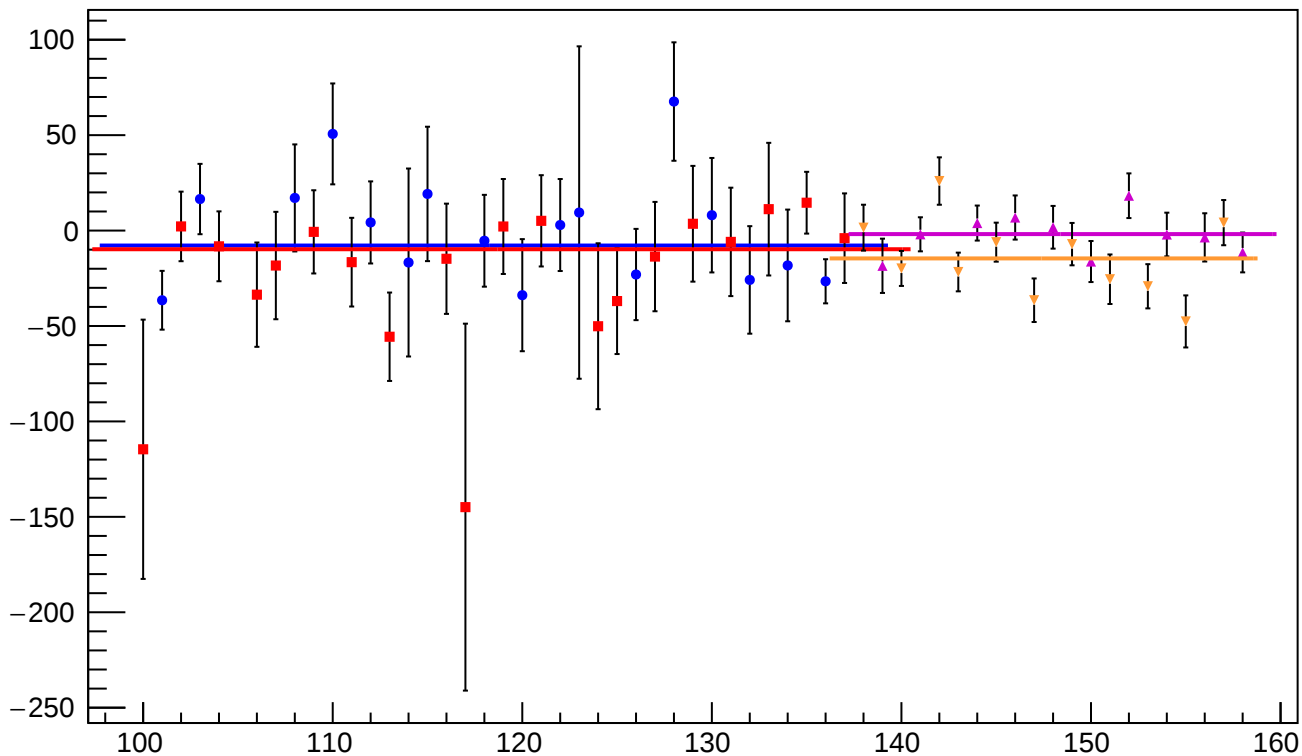


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

$\chi^2/\text{NDF}: 22.6/16$

-12.774 ± 2.910

$\chi^2/\text{NDF}: 52.5/27$

Left Out: -14.591 ± 3.404

$\chi^2/\text{NDF}: 28.8/10$

Right Out: -9.781 ± 5.667

$\chi^2/\text{NDF}: 15.2/19$

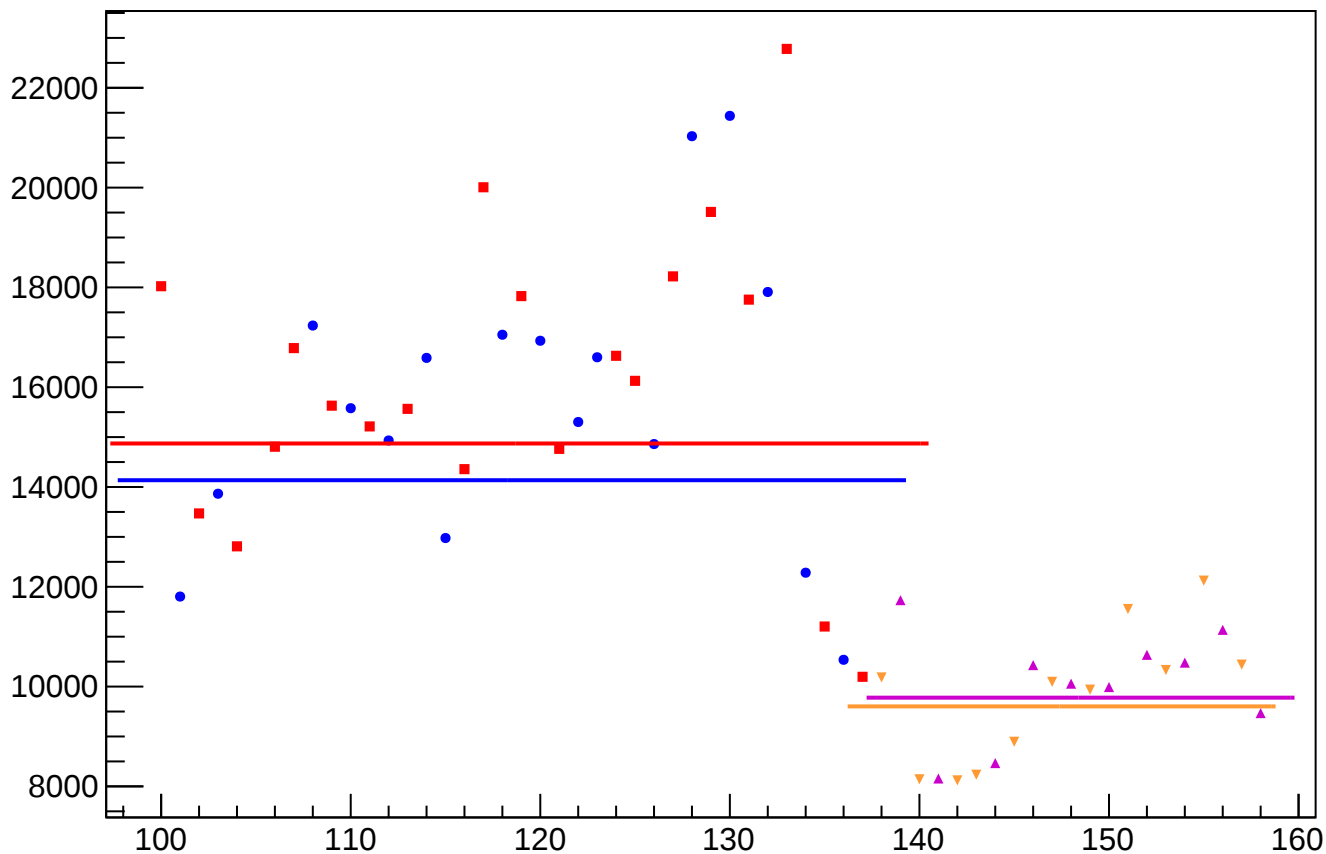
-3.993 ± 2.949

$\chi^2/\text{NDF}: 24.7/29$

Left In: -1.844 ± 3.453

$\chi^2/\text{NDF}: 8.0/9$

diff_bpm4aX_rms vs Slug



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

Left Out: 9602.822+/-2.407 χ^2/NDF : 267014.7/10

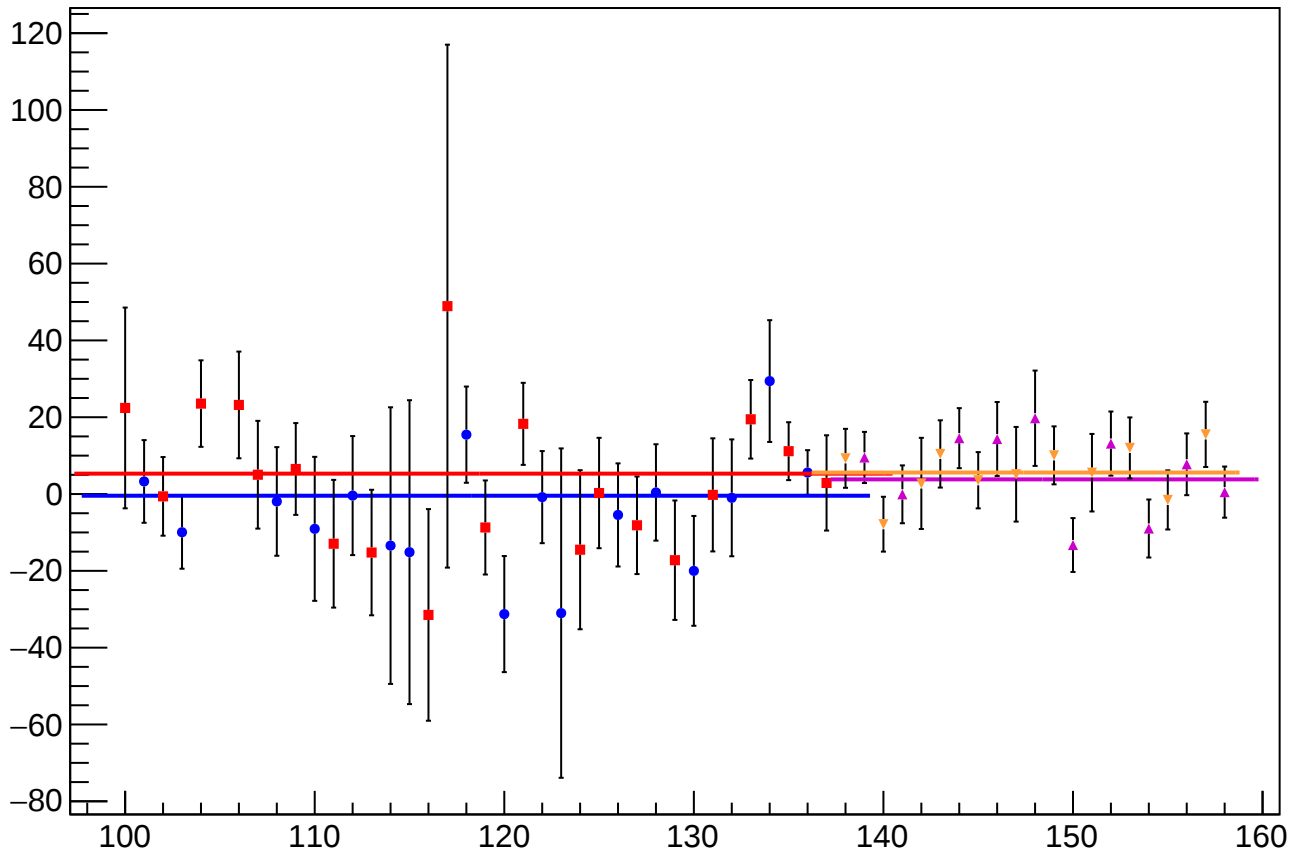
Right Out: 14871.940+/-4.007 χ^2/NDF : 477742.9/19

Left In: 9777.940+/-2.442 χ^2/NDF : 196138.2/9

10823.375+/-2.058 χ^2/NDF : 1818954.3/27

11156.936+/-2.085 χ^2/NDF : 1852274.1/29

diff_bpm4aY_mean vs Slug



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

Left Out: 5.594 ± 2.532 χ^2/NDF : 7.5/10

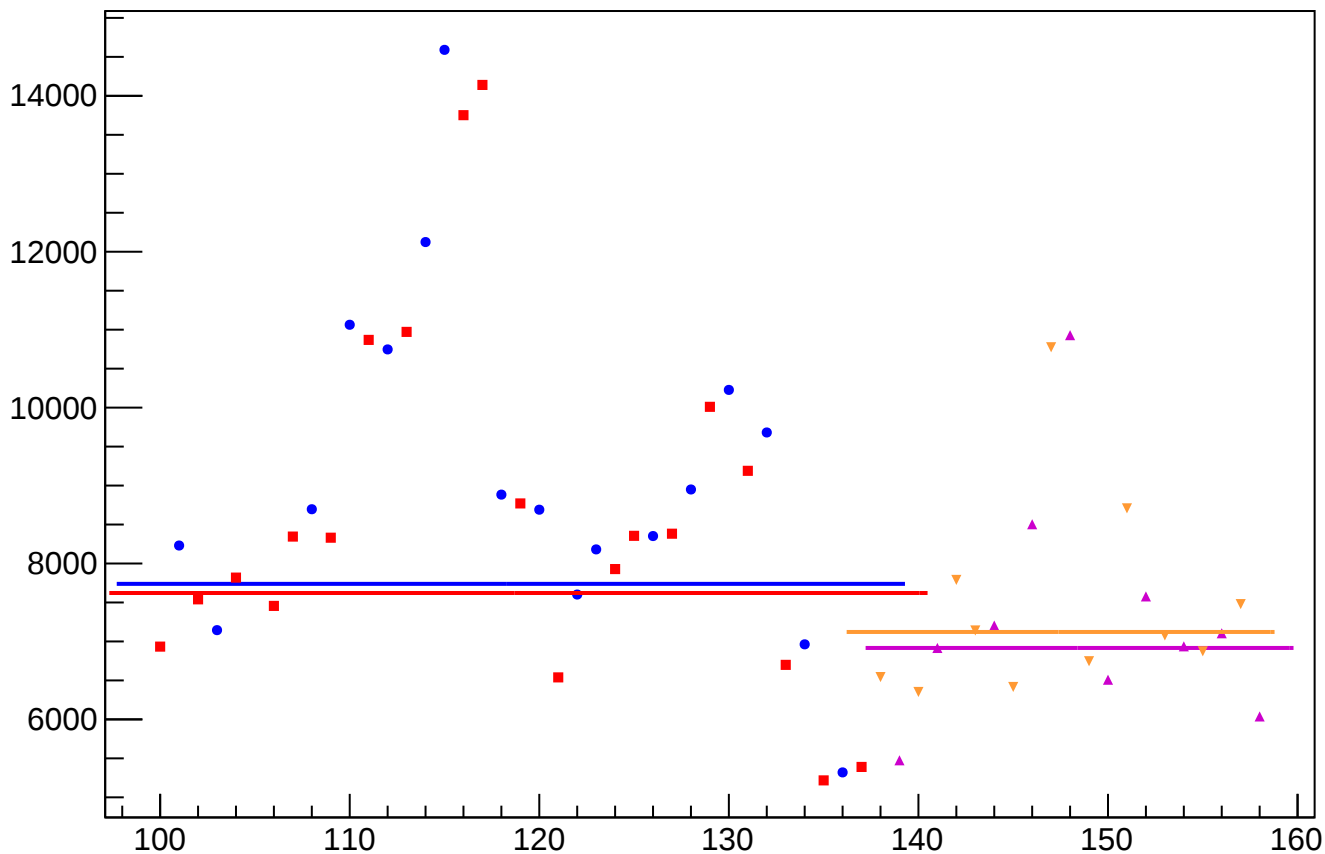
Right Out: 5.310 ± 2.933 χ^2/NDF : 19.8/19

Left In: 3.814 ± 2.469 χ^2/NDF : 16.3/9

3.152 ± 1.954 χ^2/NDF : 24.3/27

4.435 ± 1.889 χ^2/NDF : 36.2/29

diff_bpm4aY_rms vs Slug



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

Left Out: 7121.709 $\pm$ 1.791 χ^2 /NDF:295188.2/10

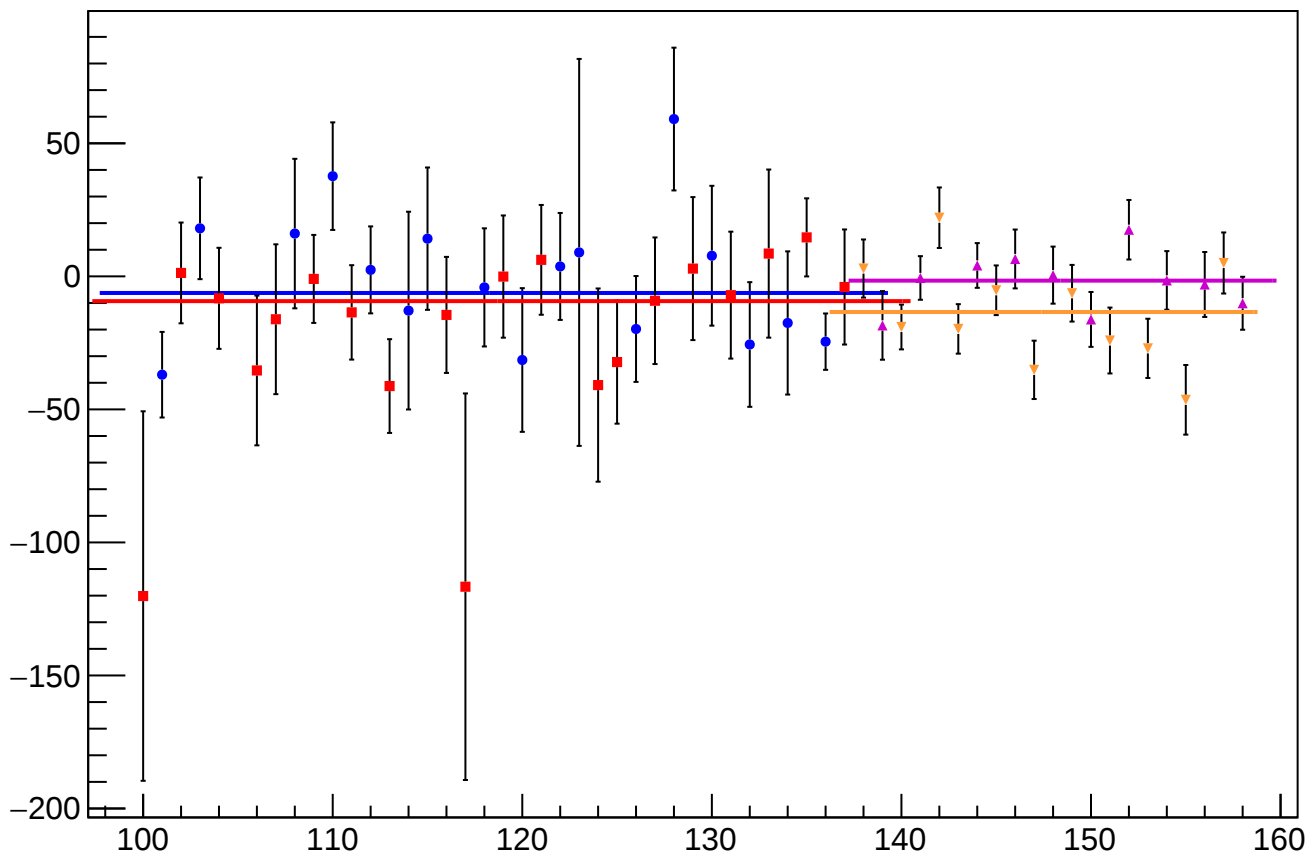
Right Out: 7621.652 $\pm$ 2.074 χ^2 /NDF: 697548.6/19

Left In: 6916.563 $\pm$ 1.746 χ^2 /NDF:414878.1/9

7371.493 $\pm$ 1.381 χ^2 /NDF: 1084108.8/27

7208.994 $\pm$ 1.336 χ^2 /NDF: 1180068.0/29

diff_bpm4eX_mean vs Slug



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

Left Out: -13.398 ± 3.187 χ^2/NDF : 29.2/10

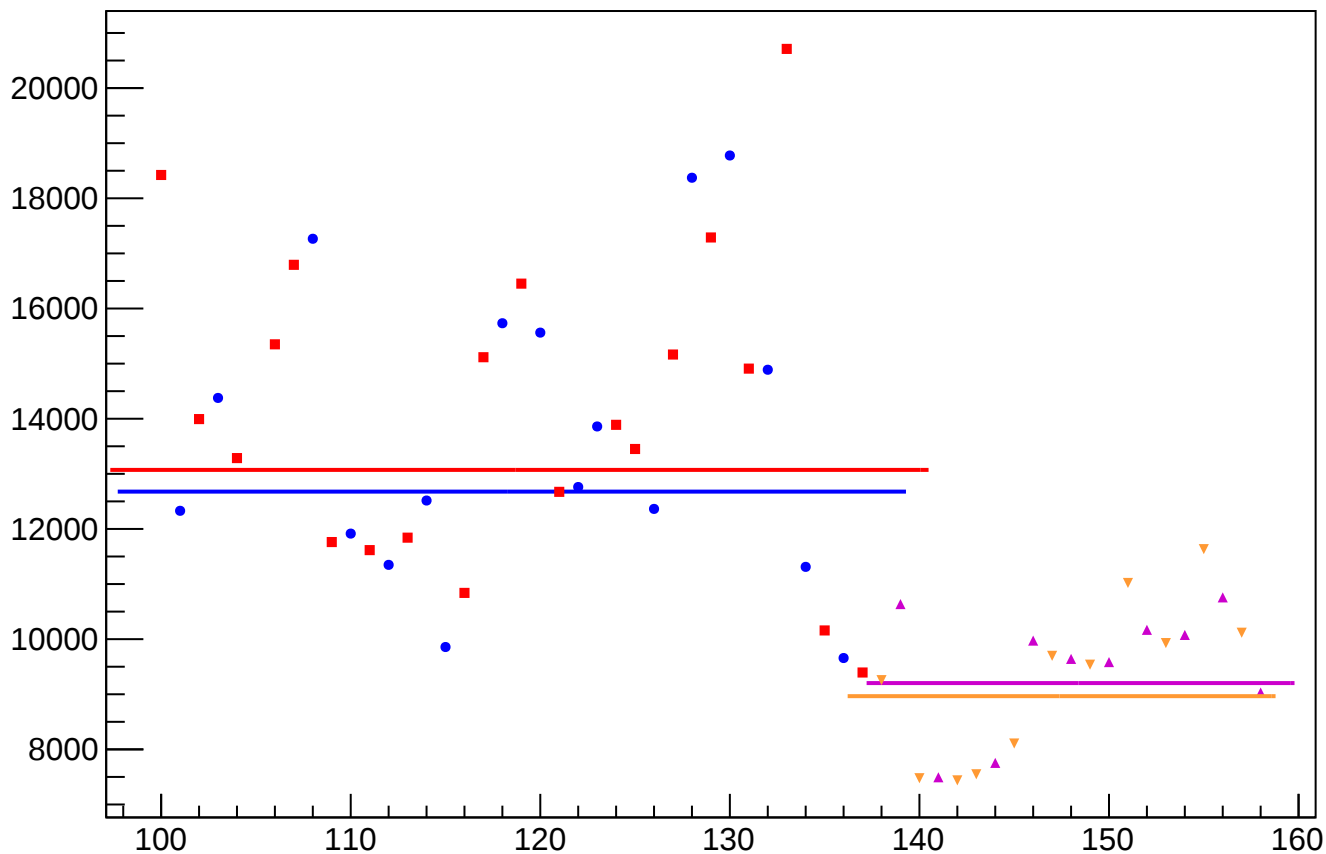
Right Out: -9.310 ± 4.987 χ^2/NDF : 15.3/19

Left In: -1.608 ± 3.255 χ^2/NDF : 8.4/9

-11.341 ± 2.690 χ^2/NDF : 53.8/27

-3.908 ± 2.726 χ^2/NDF : 25.4/29

diff_bpm4eX_rms vs Slug



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

Left Out: 8965.555+/-2.254 χ^2/NDF : 351441.8/10

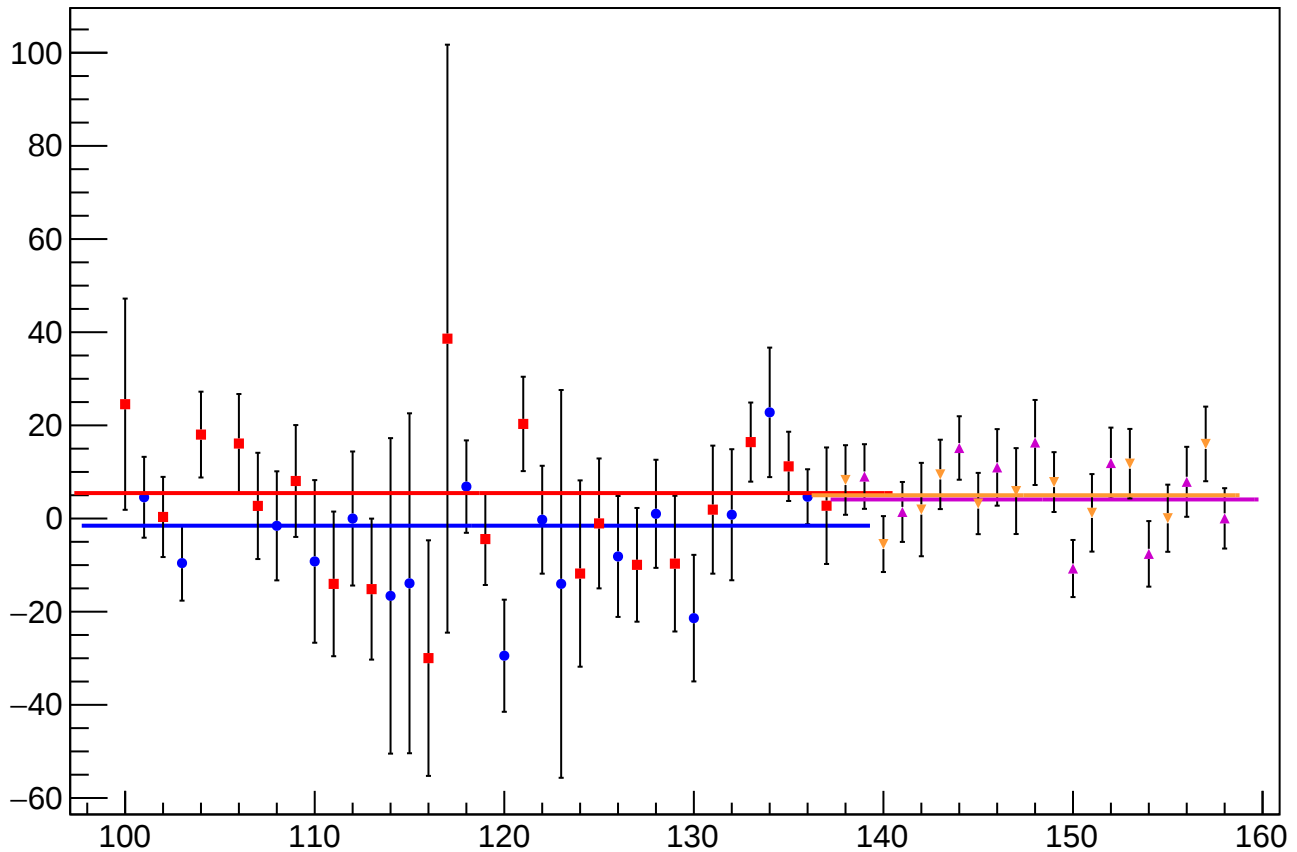
Right Out: 13071.522+/-3.527 χ^2/NDF : 499021.5/19

Left In: 9203.067+/-2.302 χ^2/NDF : 247524.1/9

10032.877+/-1.902 χ^2/NDF : 1684969.2/27

10358.502+/-1.927 χ^2/NDF : 1590377.4/29

diff_bpm4eY_mean vs Slug



Right In: -1.538 $\pm$ 2.790 χ^2 /NDF: 14.8/16

Left Out: 4.998 $\pm$ 2.236 χ^2 /NDF: 7.4/10

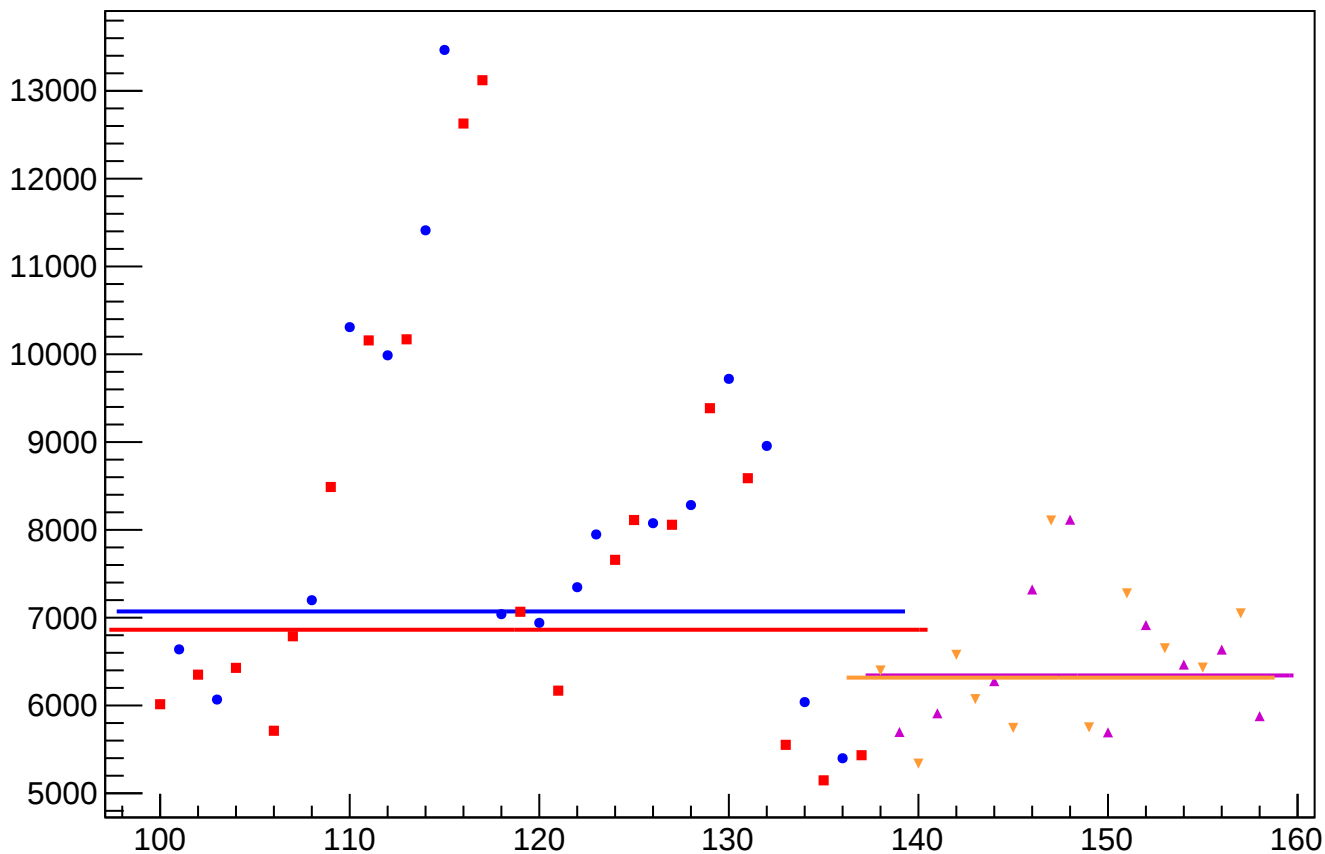
Right Out: 5.463 $\pm$ 2.637 χ^2 /NDF: 18.9/19

Left In: 4.093 $\pm$ 2.242 χ^2 /NDF: 16.1/9

2.442 $\pm$ 1.745 χ^2 /NDF: 25.5/27

4.668 $\pm$ 1.708 χ^2 /NDF: 35.1/29

diff_bpm4eY_rms vs Slug



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

Left Out: 6317.165 ± 1.581 χ^2/NDF : 210868.6/10

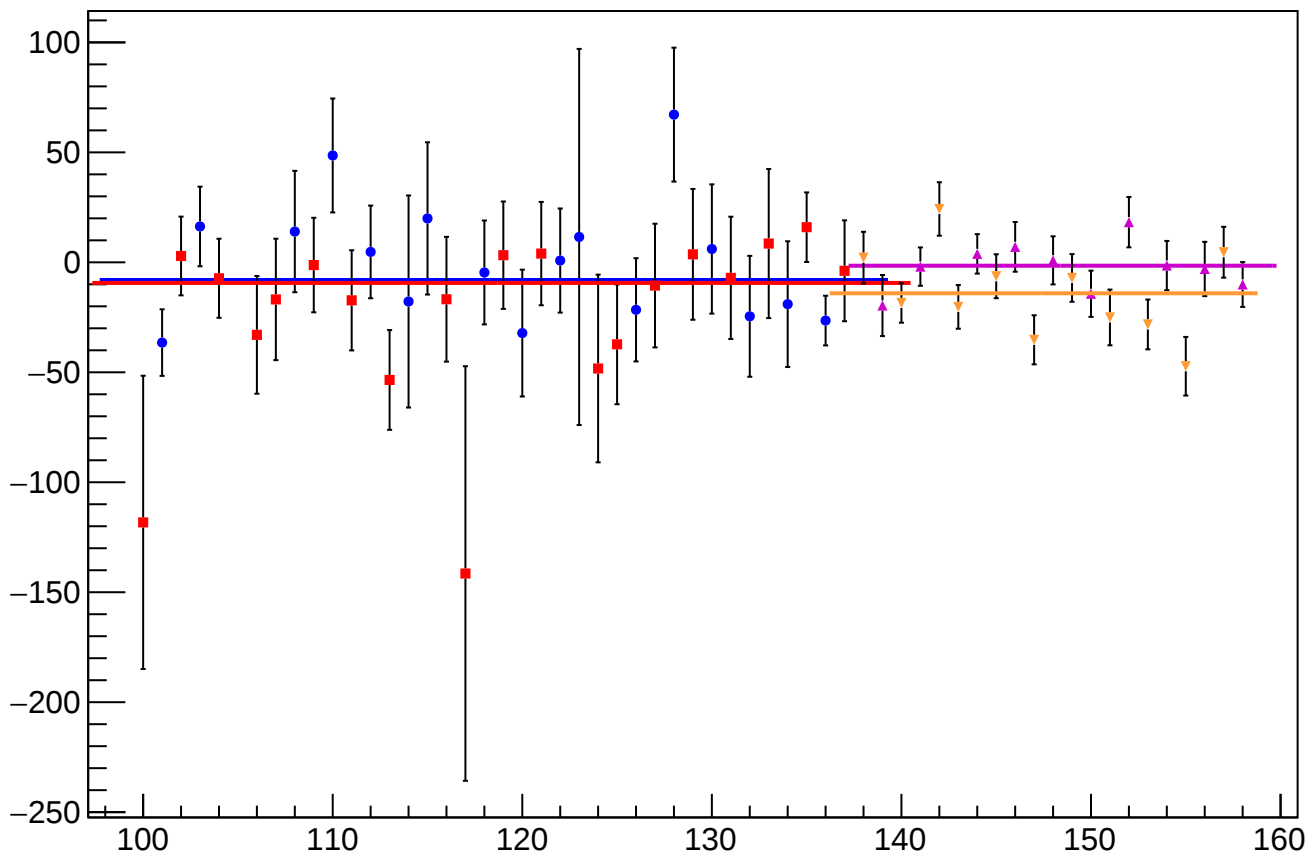
Right Out: 6862.551 ± 1.865 χ^2/NDF : 704099.3/19

Left In: 6342.059 ± 1.586 χ^2/NDF : 177998.2/9

6611.946 ± 1.234 χ^2/NDF : 900518.6/27

6560.453 ± 1.208 χ^2/NDF : 927310.8/29

diff_bpm4acX_mean vs Slug



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

Left Out: -14.076 ± 3.328 χ^2/NDF : 28.2/10

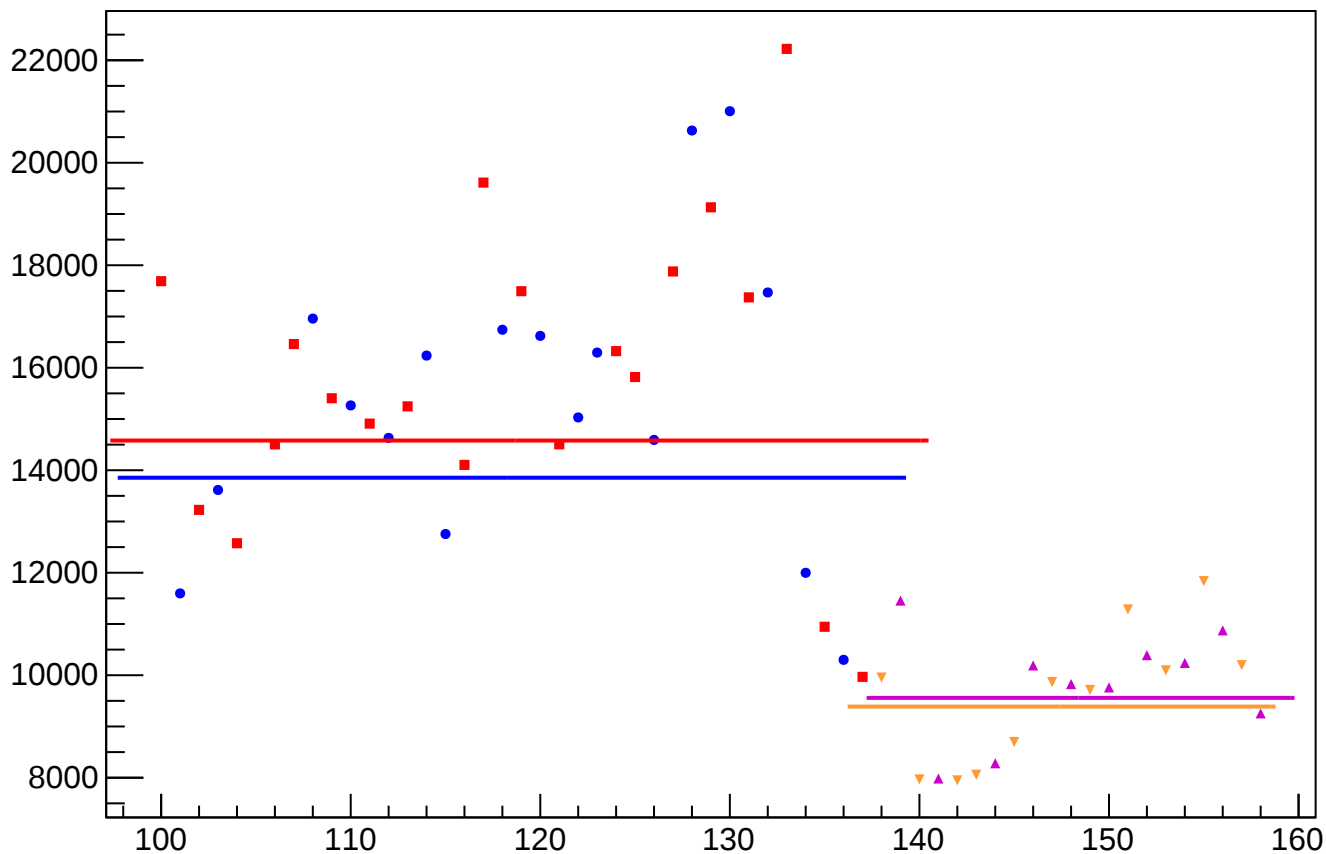
Right Out: -9.368 ± 5.556 χ^2/NDF : 15.7/19

Left In: -1.541 ± 3.375 χ^2/NDF : 7.9/9

-12.456 ± 2.847 χ^2/NDF : 51.7/27

-3.650 ± 2.884 χ^2/NDF : 25.0/29

diff_bpm4acX_rms vs Slug



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

Left Out: 9388.907+/-2.353 χ^2/NDF : 263795.9/10

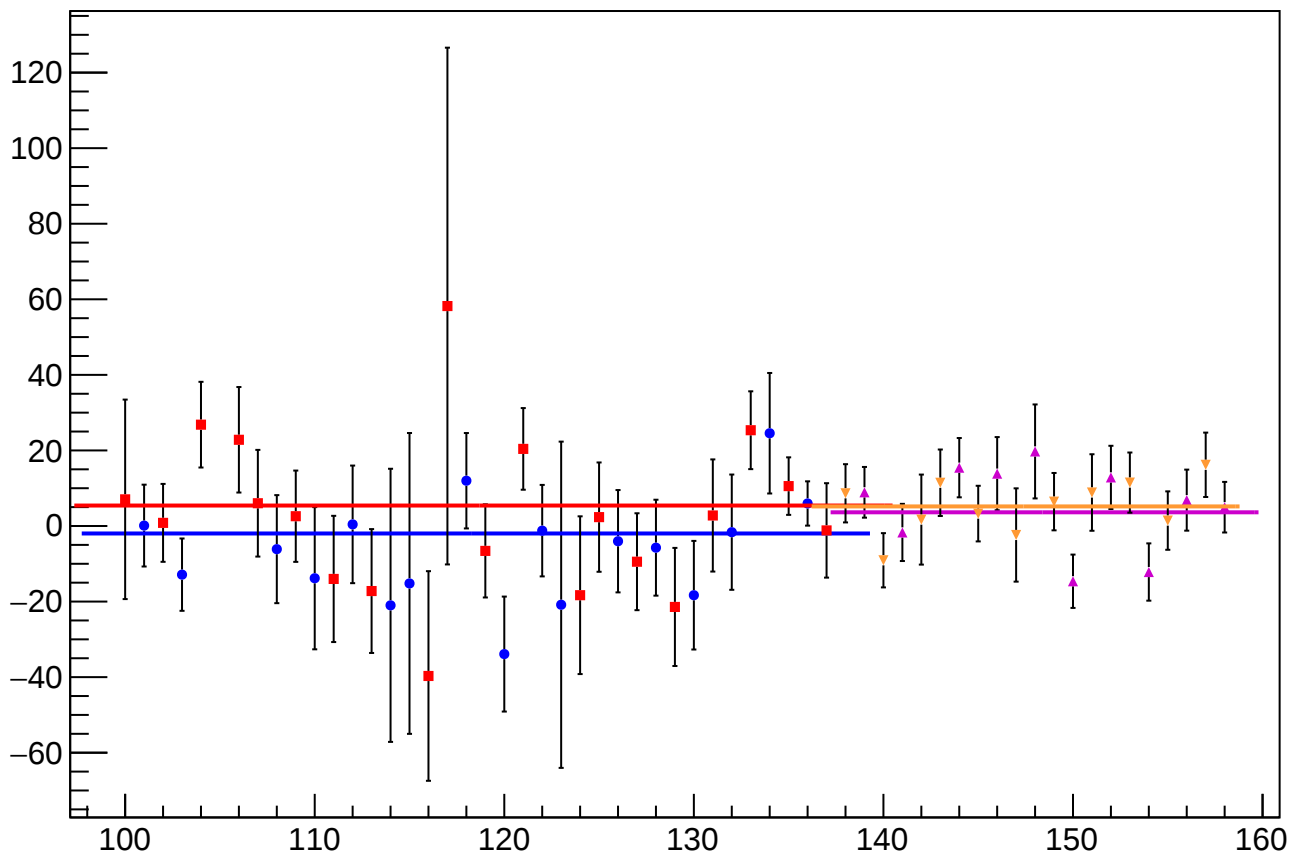
Right Out: 14579.863+/-3.929 χ^2/NDF : 480003.4/19

Left In: 9558.077+/-2.386 χ^2/NDF : 193597.7/9

10586.472+/-2.013 χ^2/NDF : 1830387.8/27

10911.388+/-2.040 χ^2/NDF : 1866966.1/29

diff_bpm4acY_mean vs Slug



Right In: -1.978 ± 3.094 $\chi^2/\text{NDF}: 14.0/16$

Left Out: 5.183 ± 2.543 $\chi^2/\text{NDF}: 7.9/10$

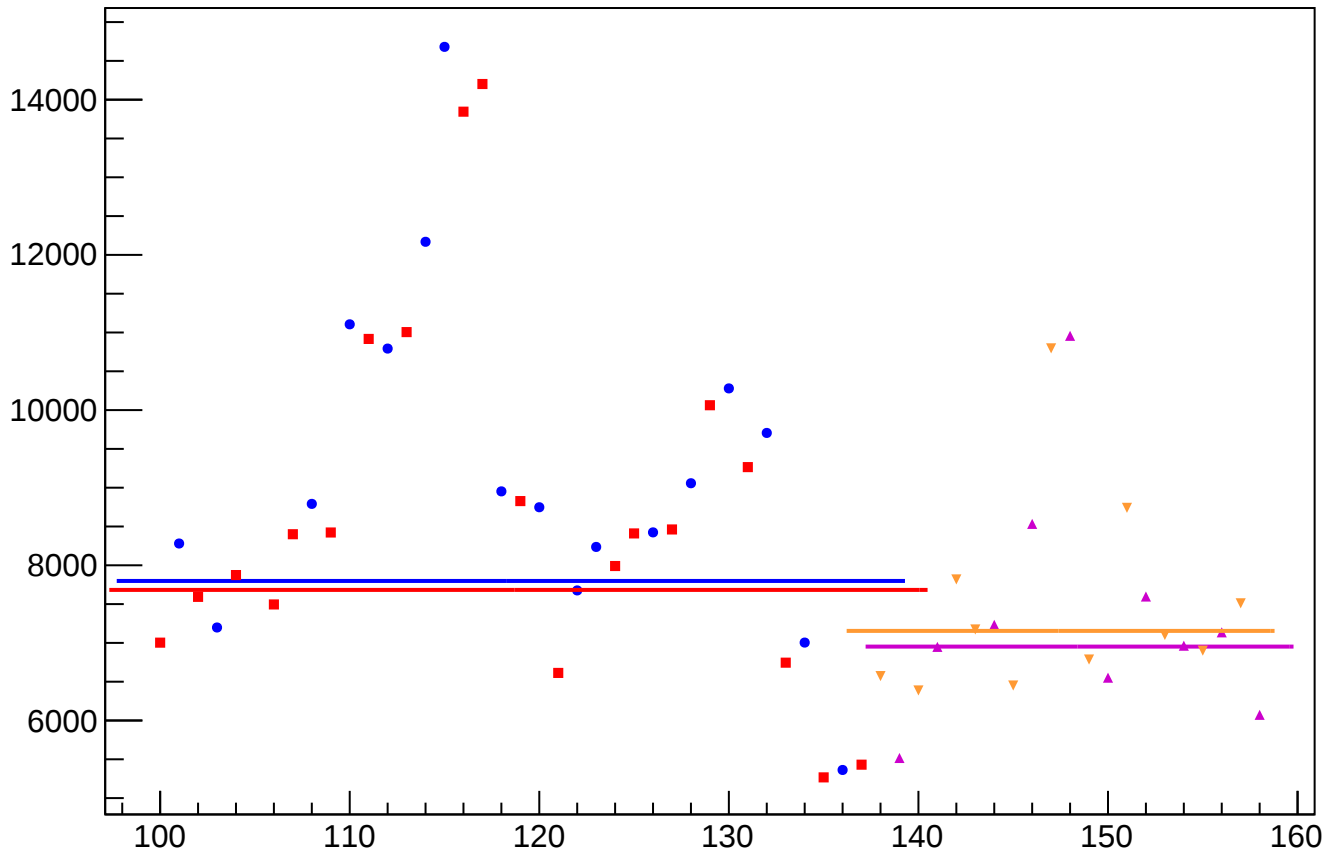
Right Out: 5.417 ± 2.956 $\chi^2/\text{NDF}: 24.9/19$

Left In: 3.625 ± 2.481 $\chi^2/\text{NDF}: 18.6/9$

2.295 ± 1.965 $\chi^2/\text{NDF}: 25.1/27$

4.366 ± 1.900 $\chi^2/\text{NDF}: 43.7/29$

diff_bpm4acY_rms vs Slug



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

Left Out: 7154.634+/-1.798 χ^2/NDF : 292163.7/10

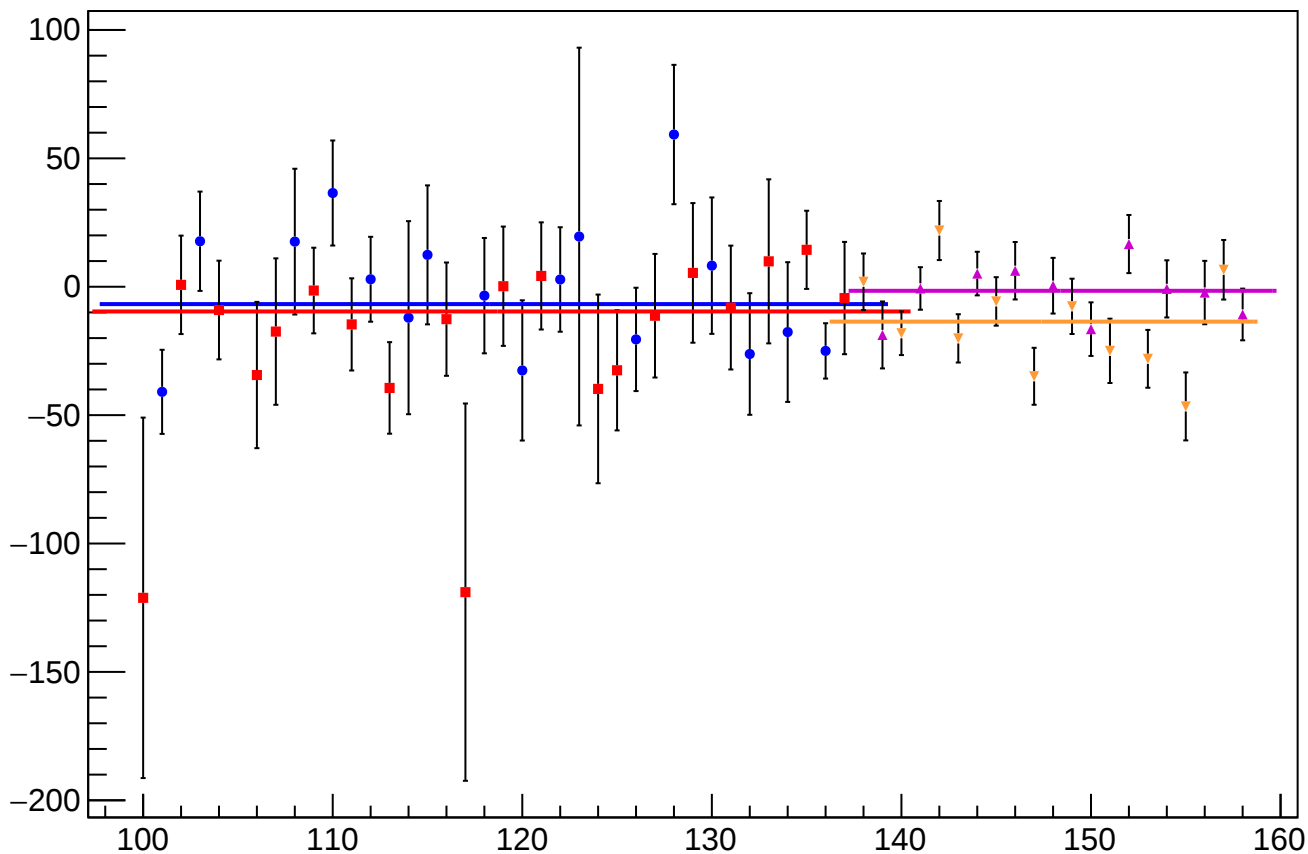
Right Out: 7682.786+/-2.090 χ^2/NDF : 690901.2/19

Left In: 6952.354+/-1.754 χ^2/NDF : 408691.4/9

7414.183+/-1.389 χ^2/NDF : 1080096.8/27

7254.295+/-1.344 χ^2/NDF : 1171243.1/29

diff_bpm4ecX_mean vs Slug



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

Left Out: -13.580 ± 3.222 $\chi^2/\text{NDF}: 28.7/10$

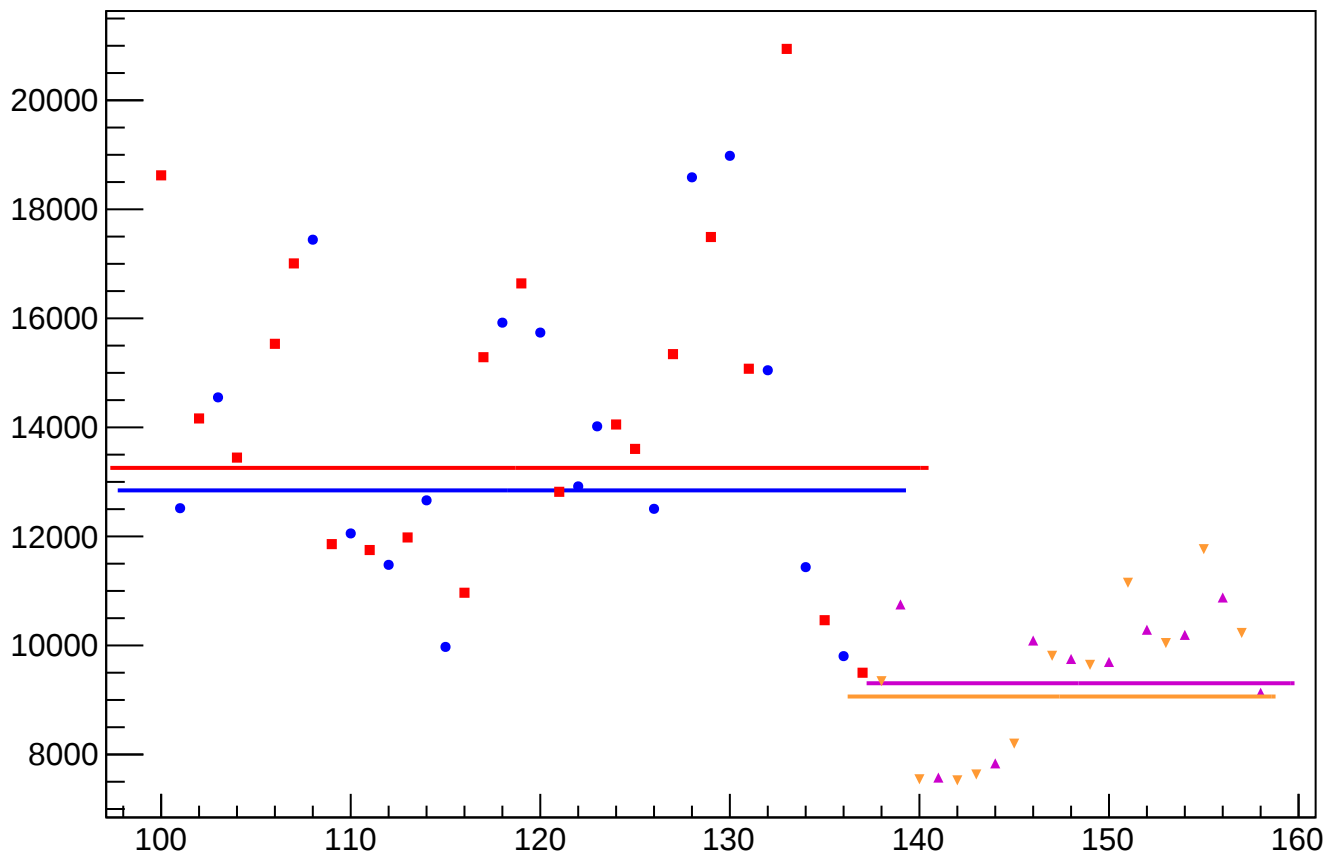
Right Out: -9.622 ± 5.058 $\chi^2/\text{NDF}: 14.5/19$

Left In: -1.580 ± 3.292 $\chi^2/\text{NDF}: 8.4/9$

-11.626 ± 2.722 $\chi^2/\text{NDF}: 53.6/27$

-3.972 ± 2.759 $\chi^2/\text{NDF}: 24.6/29$

diff_bpm4ecX_rms vs Slug



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

Left Out: 9063.185+/-2.279 χ^2/NDF : 353060.1/10

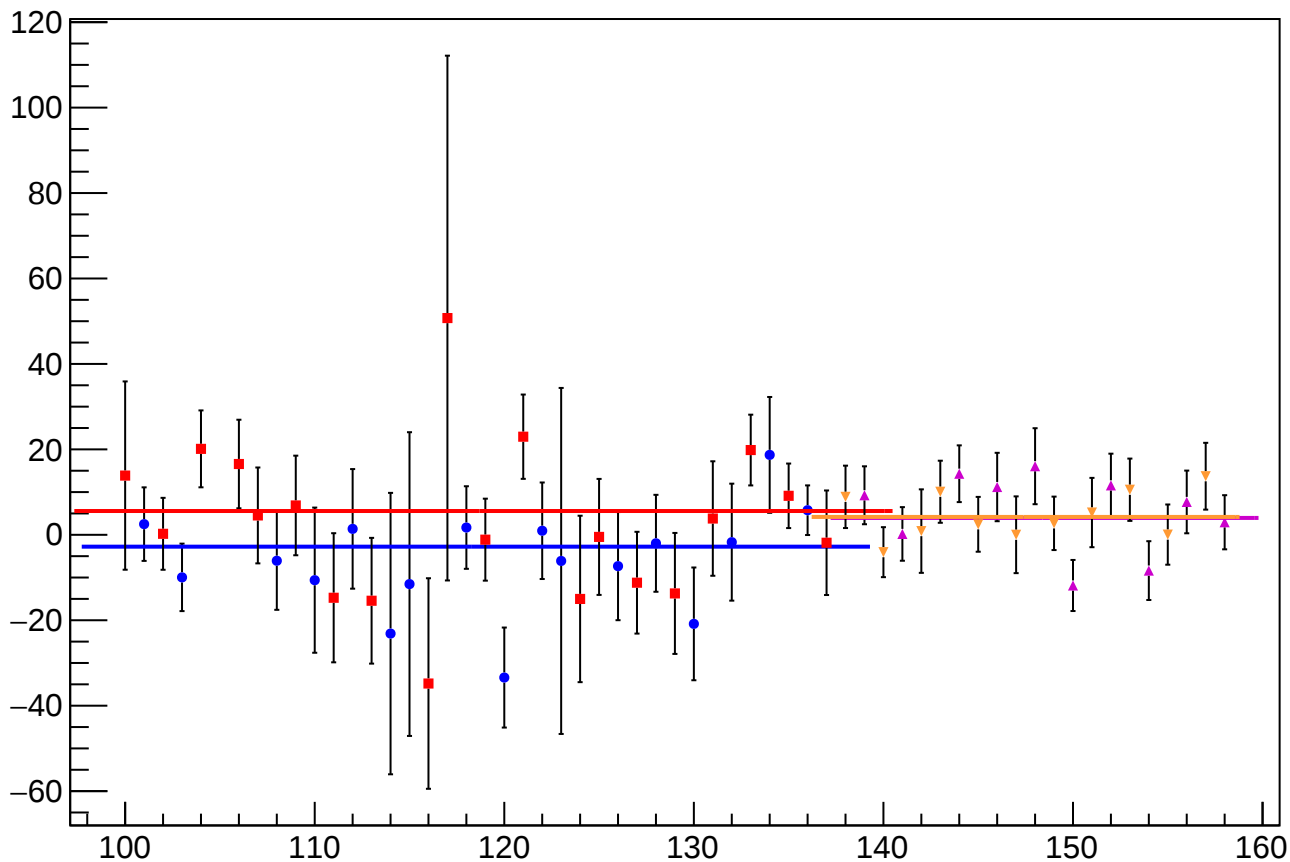
Right Out: 13256.926+/-3.577 χ^2/NDF : 487016.8/19

Left In: 9306.563+/-2.327 χ^2/NDF : 248550.4/9

10146.607+/-1.925 χ^2/NDF : 1689405.7/27

10481.648+/-1.951 χ^2/NDF : 1592487.7/29

diff_bpm4ecY_mean vs Slug



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

Left Out: 4.186 ± 2.182 χ^2/NDF : 6.1/10

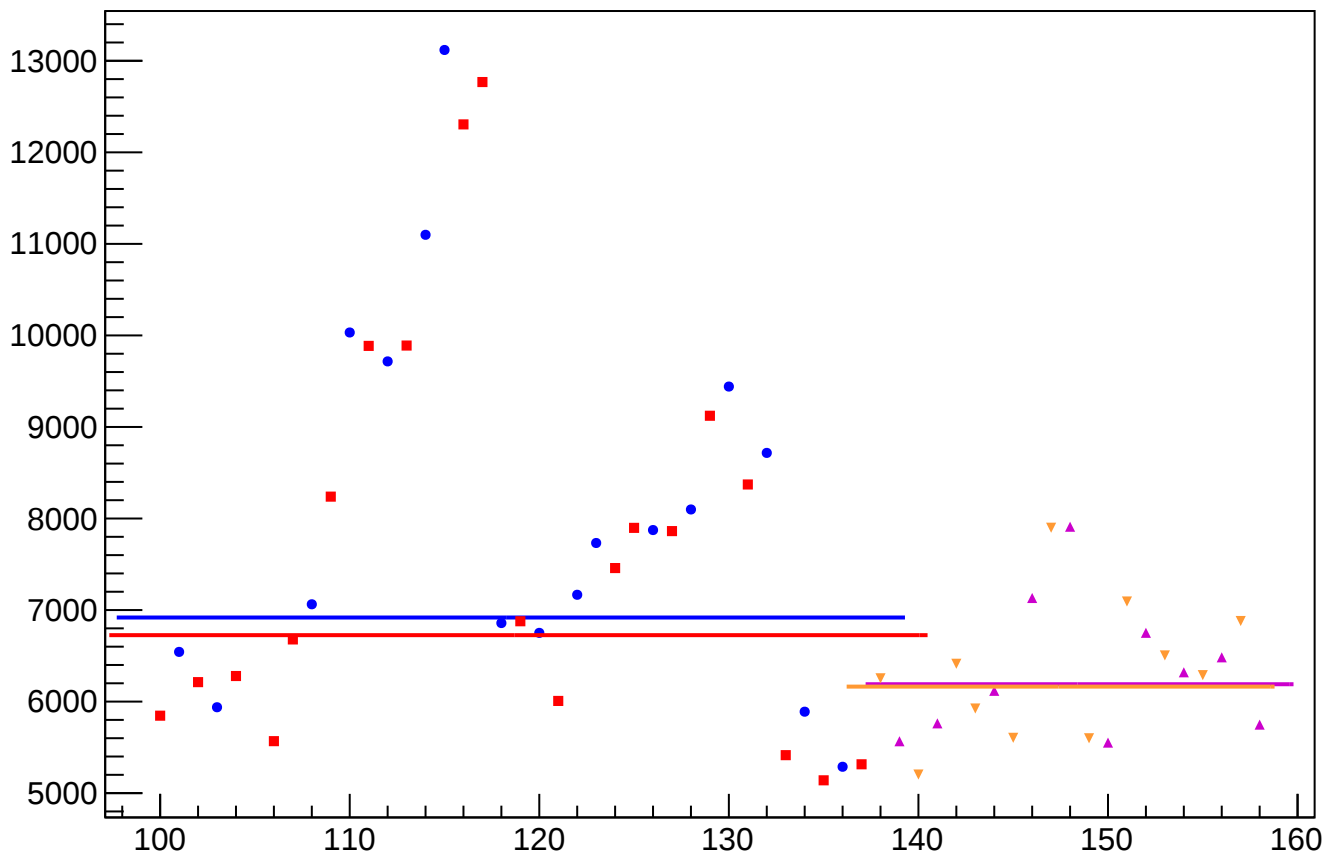
Right Out: 5.571 ± 2.585 χ^2/NDF : 23.7/19

Left In: 3.952 ± 2.188 χ^2/NDF : 17.6/9

1.475 ± 1.705 χ^2/NDF : 26.0/27

4.628 ± 1.670 χ^2/NDF : 41.5/29

diff_bpm4ecY_rms vs Slug



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

Left Out: 6163.639+/-1.543 χ^2/NDF : 211841.1/10

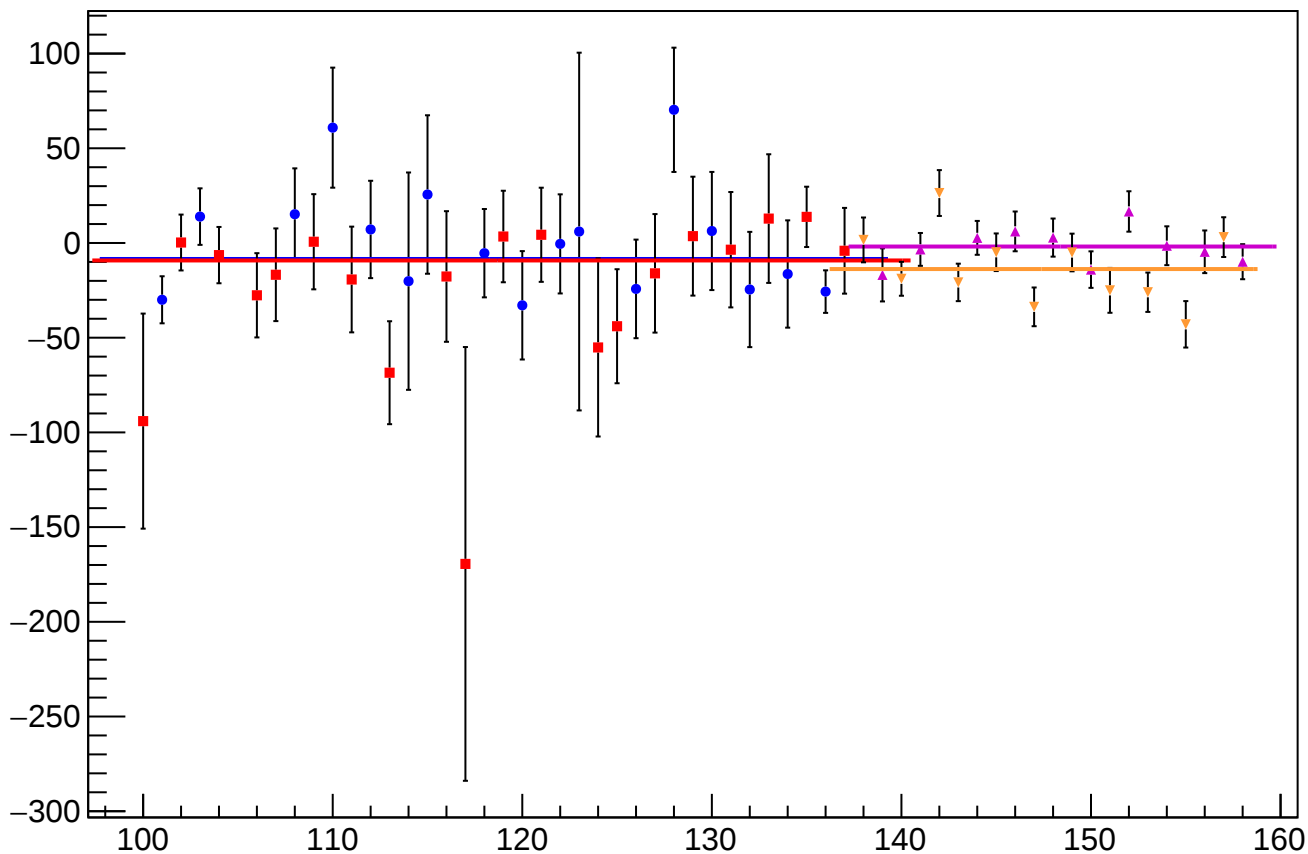
Right Out: 6725.745+/-1.828 χ^2/NDF : 675399.9/19

Left In: 6189.614+/-1.547 χ^2/NDF : 176776.0/9

6457.607+/-1.205 χ^2/NDF : 892122.1/27

6413.426+/-1.181 χ^2/NDF : 902286.5/29

diff_bpm1X_mean vs Slug



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

Left Out: -13.762 ± 3.185 χ^2/NDF : 29.4/10

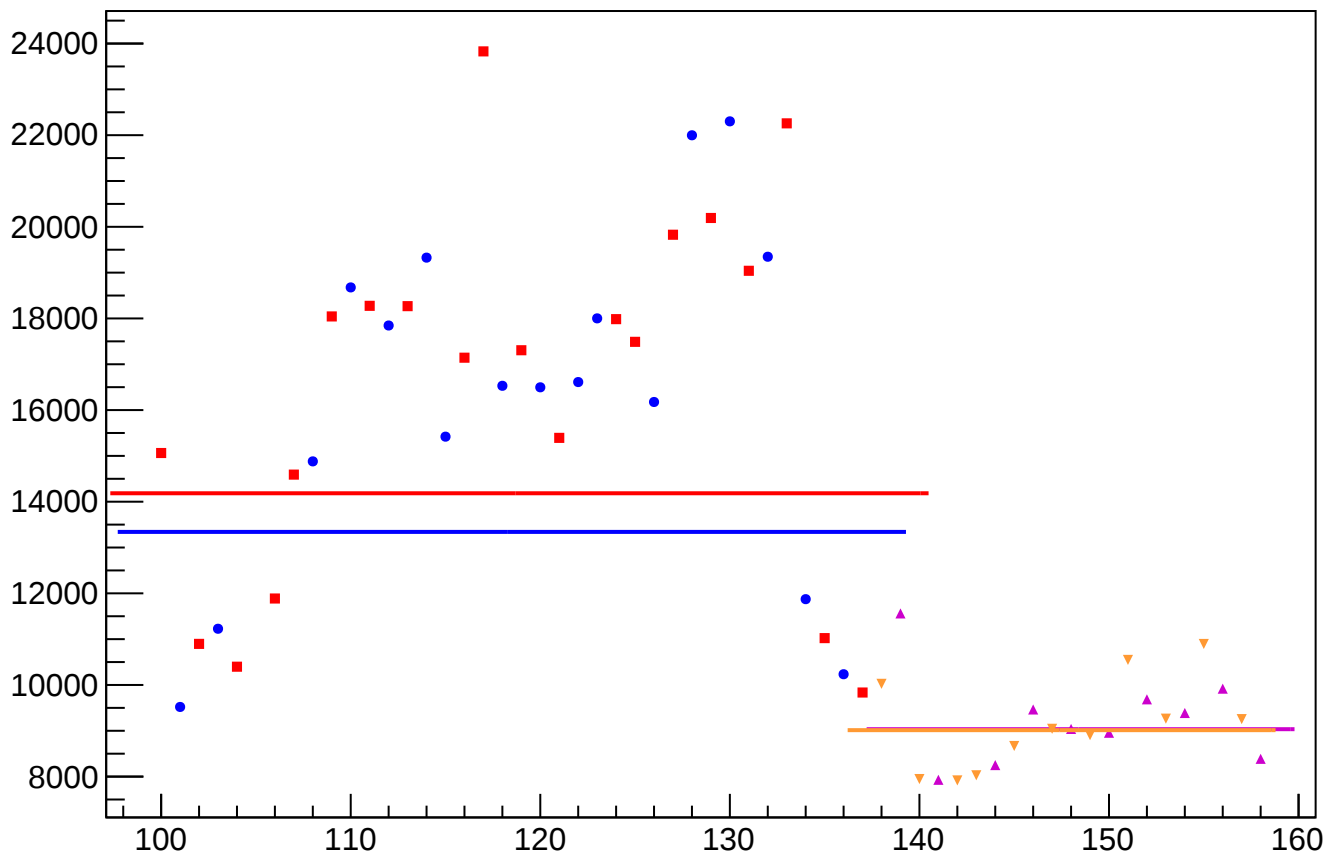
Right Out: -9.224 ± 5.502 χ^2/NDF : 16.2/19

Left In: -1.873 ± 3.186 χ^2/NDF : 7.7/9

-12.388 ± 2.742 χ^2/NDF : 52.1/27

-3.719 ± 2.757 χ^2/NDF : 25.2/29

diff_bpm1X_rms vs Slug



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

Left Out: 9013.636+/-2.252 χ^2/NDF :164780.1/10

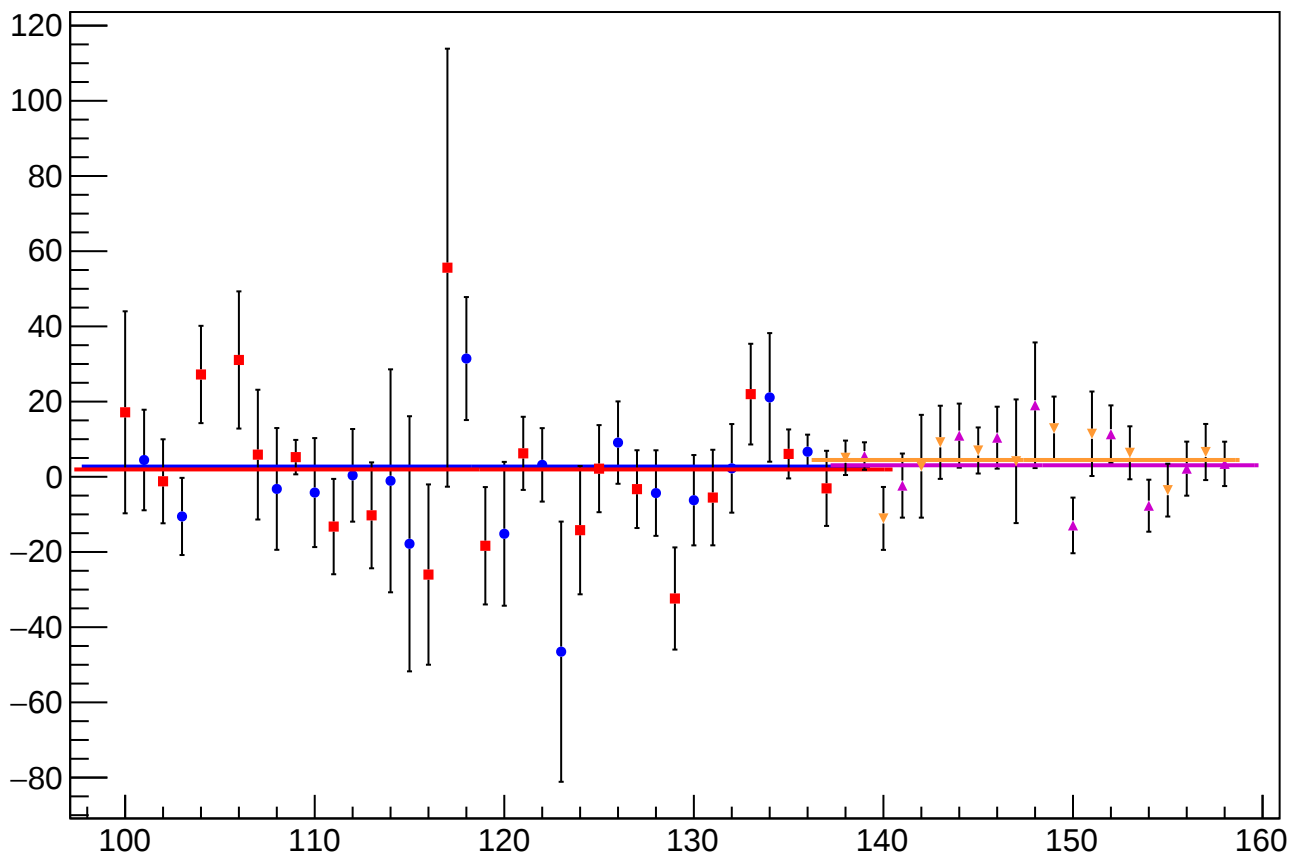
Right Out: 14184.146+/-3.891 χ^2/NDF : 946010.4/19

Left In: 9034.800+/-2.253 χ^2/NDF :148266.5/9

10132.423+/-1.939 χ^2/NDF : 2164134.1/27

10327.998+/-1.950 χ^2/NDF : 2406157.2/29

diff_bpm1Y_mean vs Slug



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

Left Out: 4.471 ± 2.303 $\chi^2/\text{NDF}: 6.7/10$

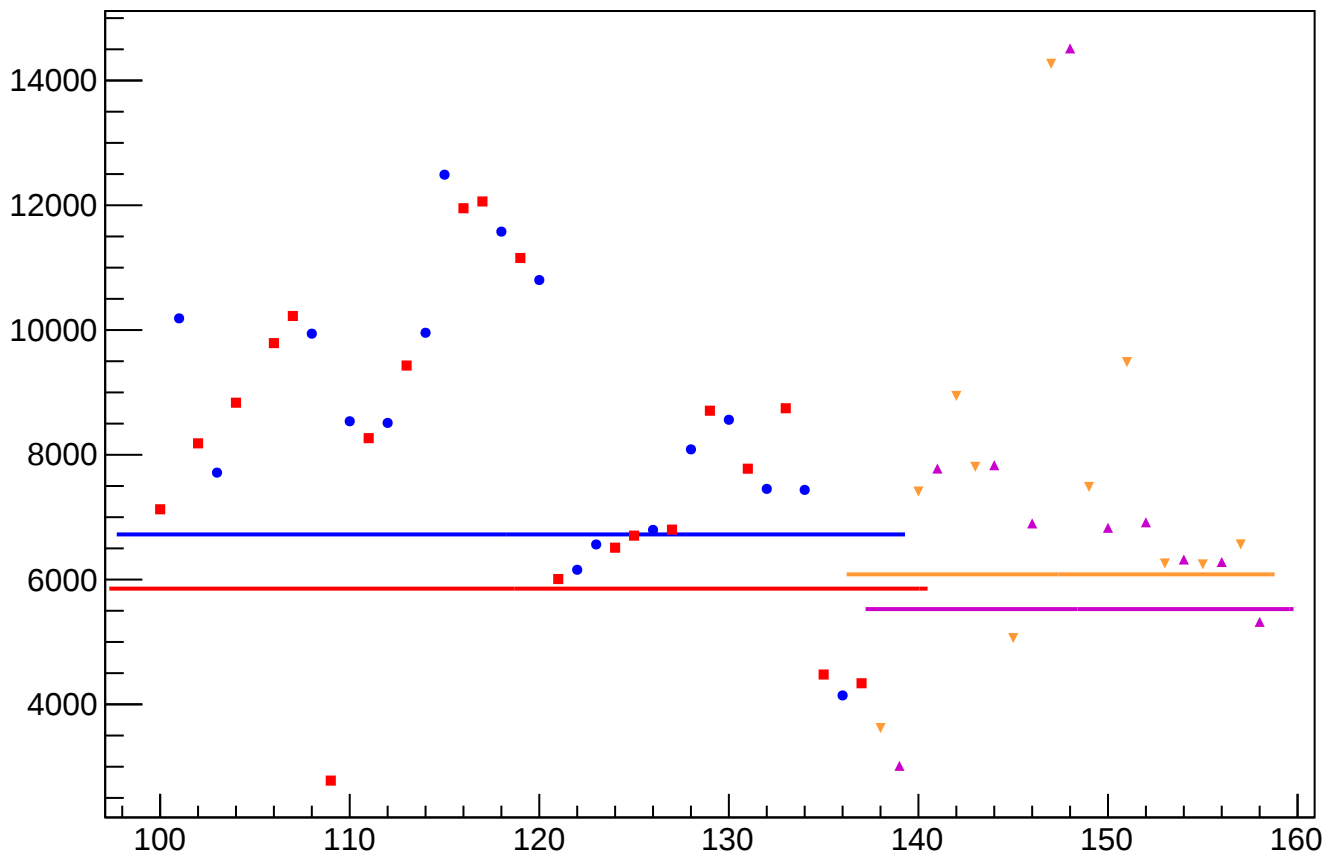
Right Out: 1.955 ± 2.437 $\chi^2/\text{NDF}: 24.4/19$

Left In: 3.063 ± 2.108 $\chi^2/\text{NDF}: 11.7/9$

3.749 ± 1.766 $\chi^2/\text{NDF}: 18.6/27$

2.589 ± 1.594 $\chi^2/\text{NDF}: 36.2/29$

diff_bpm1Y_rms vs Slug



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

Left Out: 6083.939+/-1.628 χ^2/NDF : 1579540.1/10

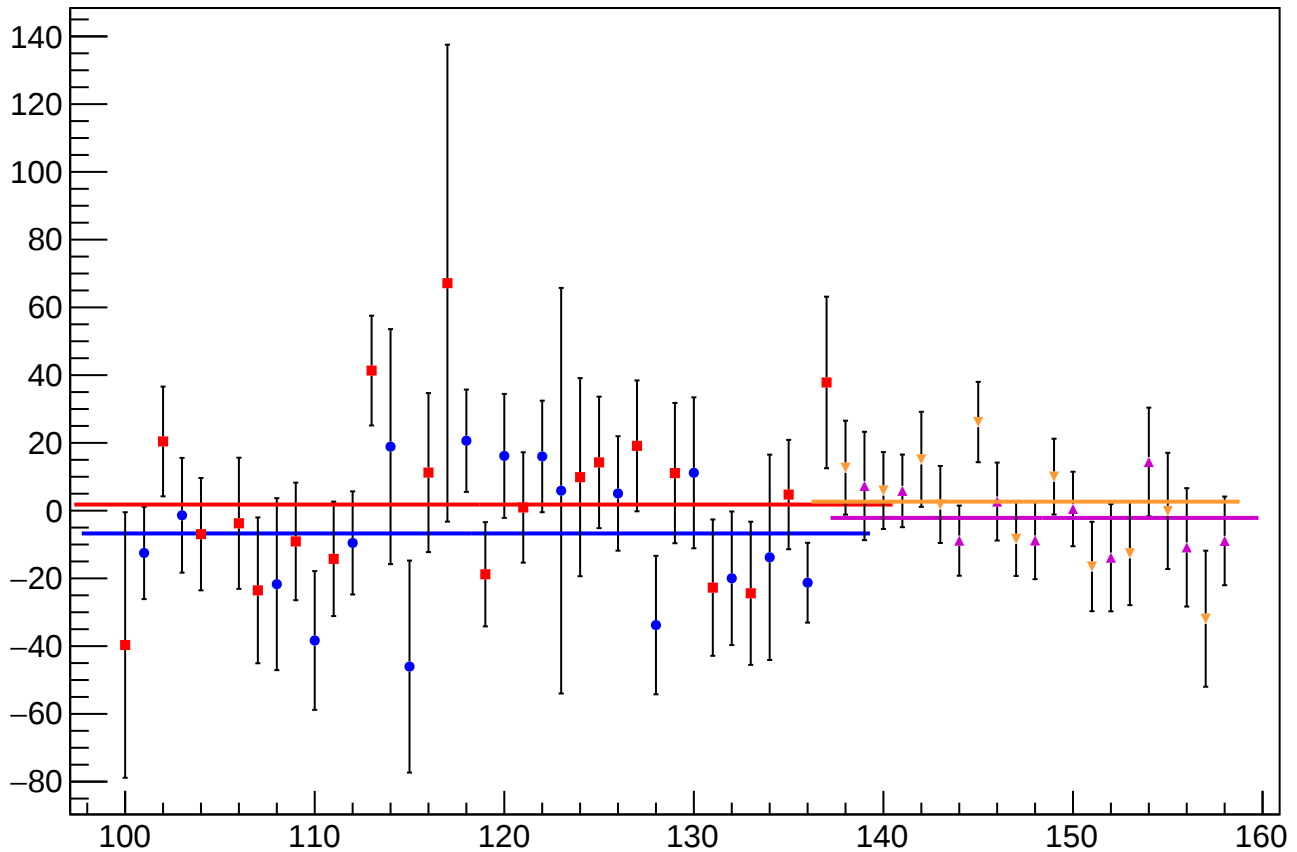
Right Out: 5854.708+/-1.723 χ^2/NDF : 2299964.9/19

Left In: 5526.899+/-1.491 χ^2/NDF : 2044540.2/9

6347.479+/-1.249 χ^2/NDF : 3035220.2/27

5667.246+/-1.127 χ^2/NDF : 4365203.6/29

diff_bpm11X_mean vs Slug



Right In: -6.736 ± 4.513 $\chi^2/\text{NDF}: 16.9/16$

Left Out: 2.650 ± 3.920 $\chi^2/\text{NDF}: 12.9/10$

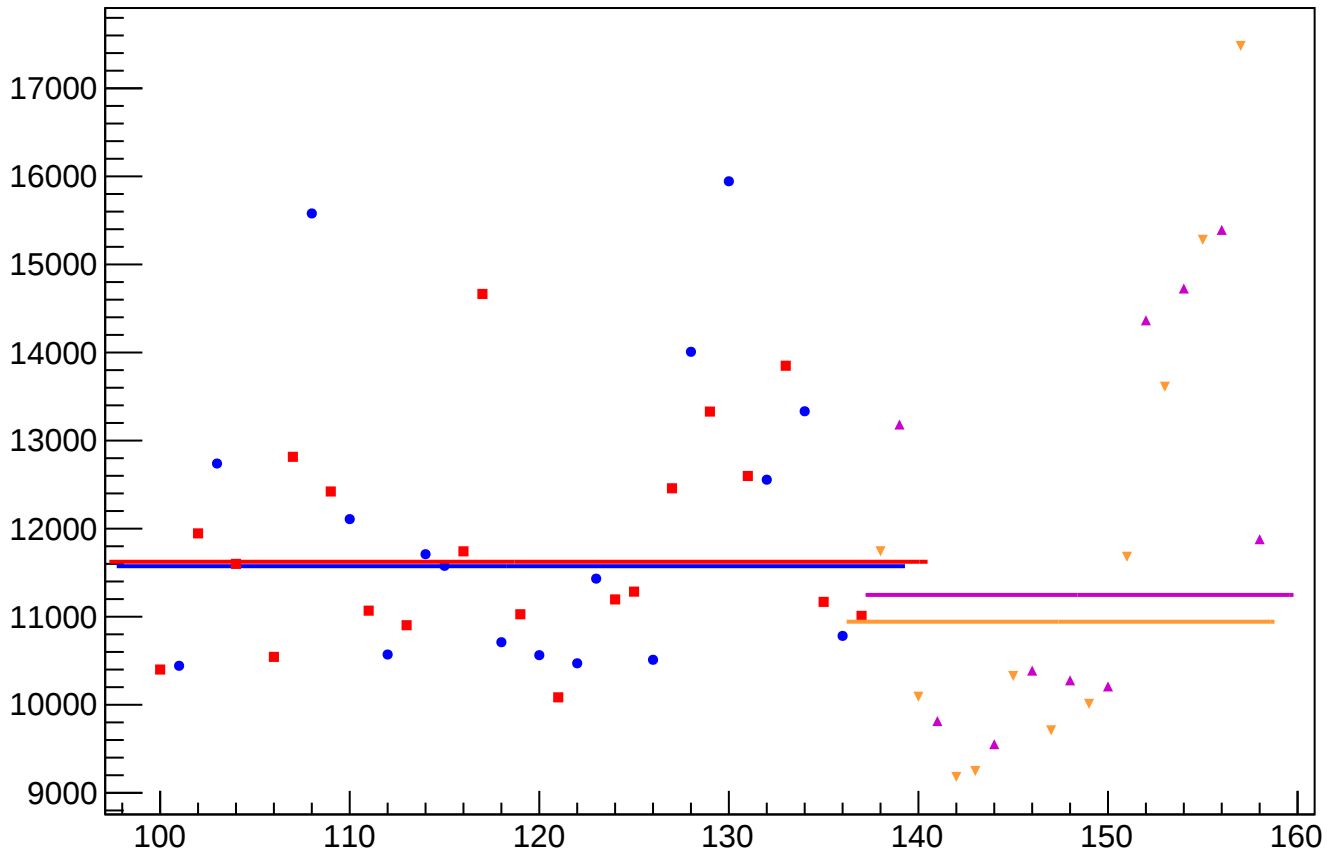
Right Out: 1.802 ± 4.364 $\chi^2/\text{NDF}: 20.8/19$

Left In: -2.148 ± 4.003 $\chi^2/\text{NDF}: 4.0/9$

-1.386 ± 2.959 $\chi^2/\text{NDF}: 32.2/27$

-0.343 ± 2.950 $\chi^2/\text{NDF}: 25.3/29$

diff_bpm11X_rms vs Slug



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

Left Out: 10943.188 ± 2.772 χ^2/NDF : 545415.5/10

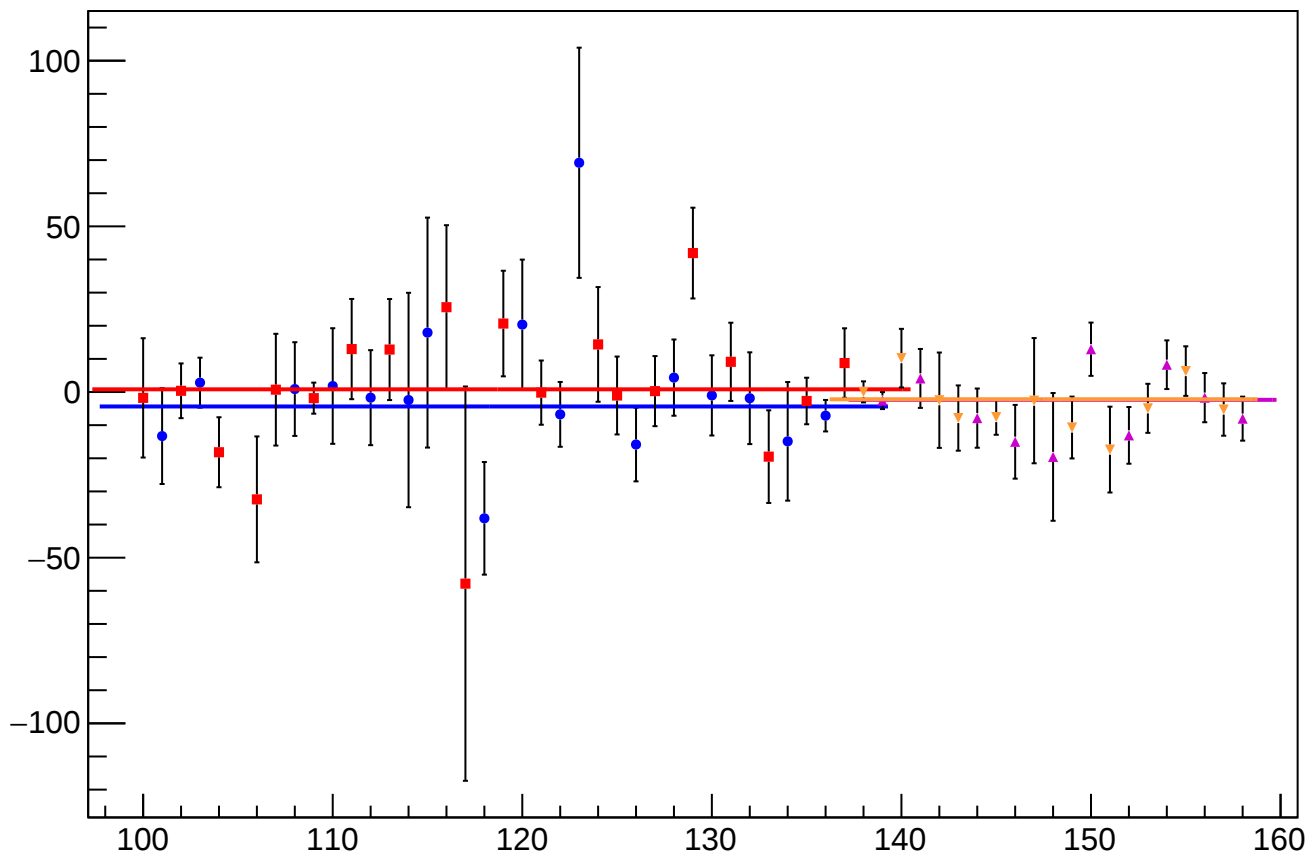
Right Out: 11623.951 ± 3.086 χ^2/NDF : 98055.0/19

Left In: 11247.596 ± 2.830 χ^2/NDF : 450901.9/9

11214.249 ± 2.093 χ^2/NDF : 806386.0/27

11419.554 ± 2.086 χ^2/NDF : 557035.6/29

diff_bpm11Y_mean vs Slug



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

Left Out: -2.206 ± 2.066 χ^2/NDF : 7.6/10

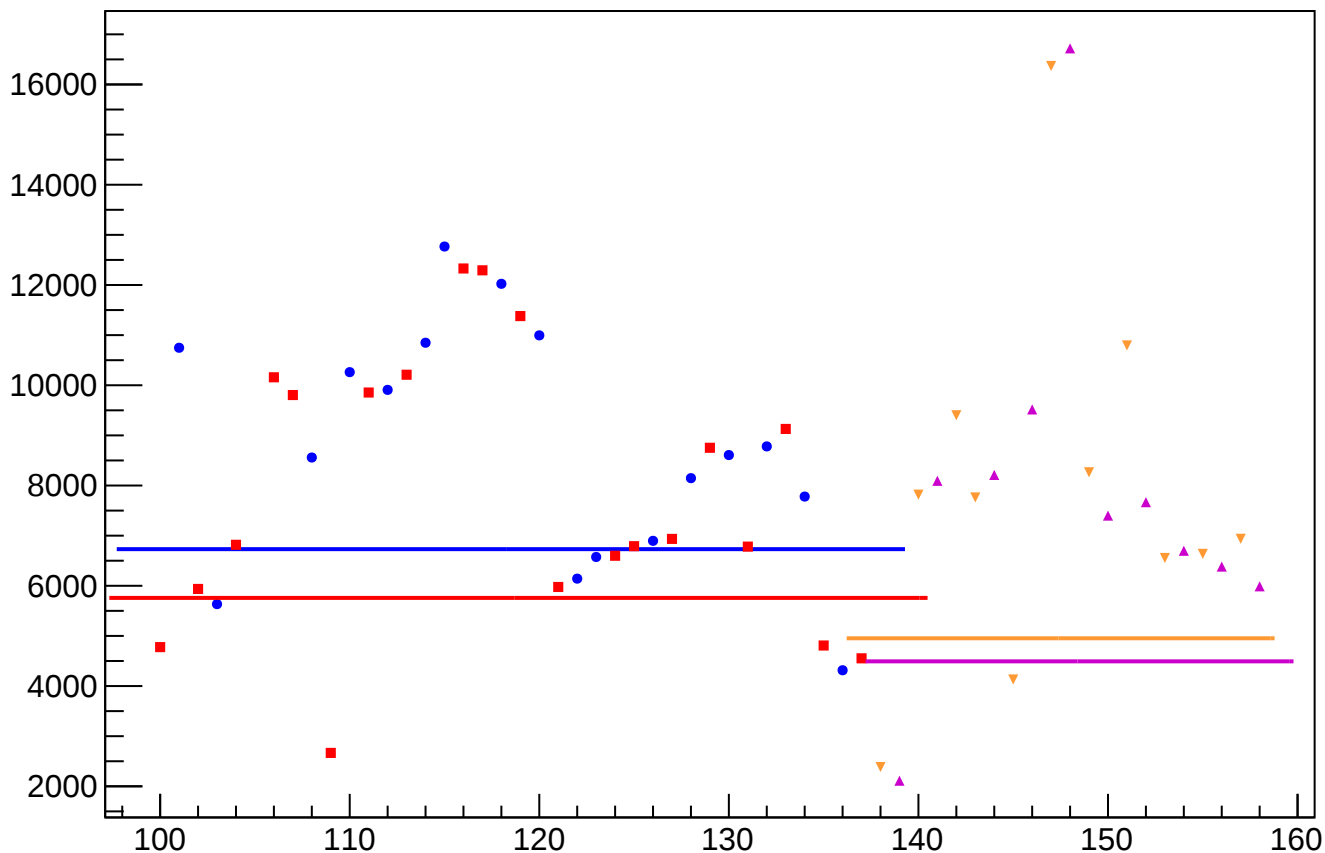
Right Out: 0.816 ± 2.424 χ^2/NDF : 24.5/19

Left In: -2.361 ± 1.900 χ^2/NDF : 11.0/9

-2.974 ± 1.658 χ^2/NDF : 22.5/27

-1.151 ± 1.496 χ^2/NDF : 36.6/29

diff_bpm11Y_rms vs Slug



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

Left Out: 4952.922+/-1.461 χ^2/NDF : 3627035.3/10

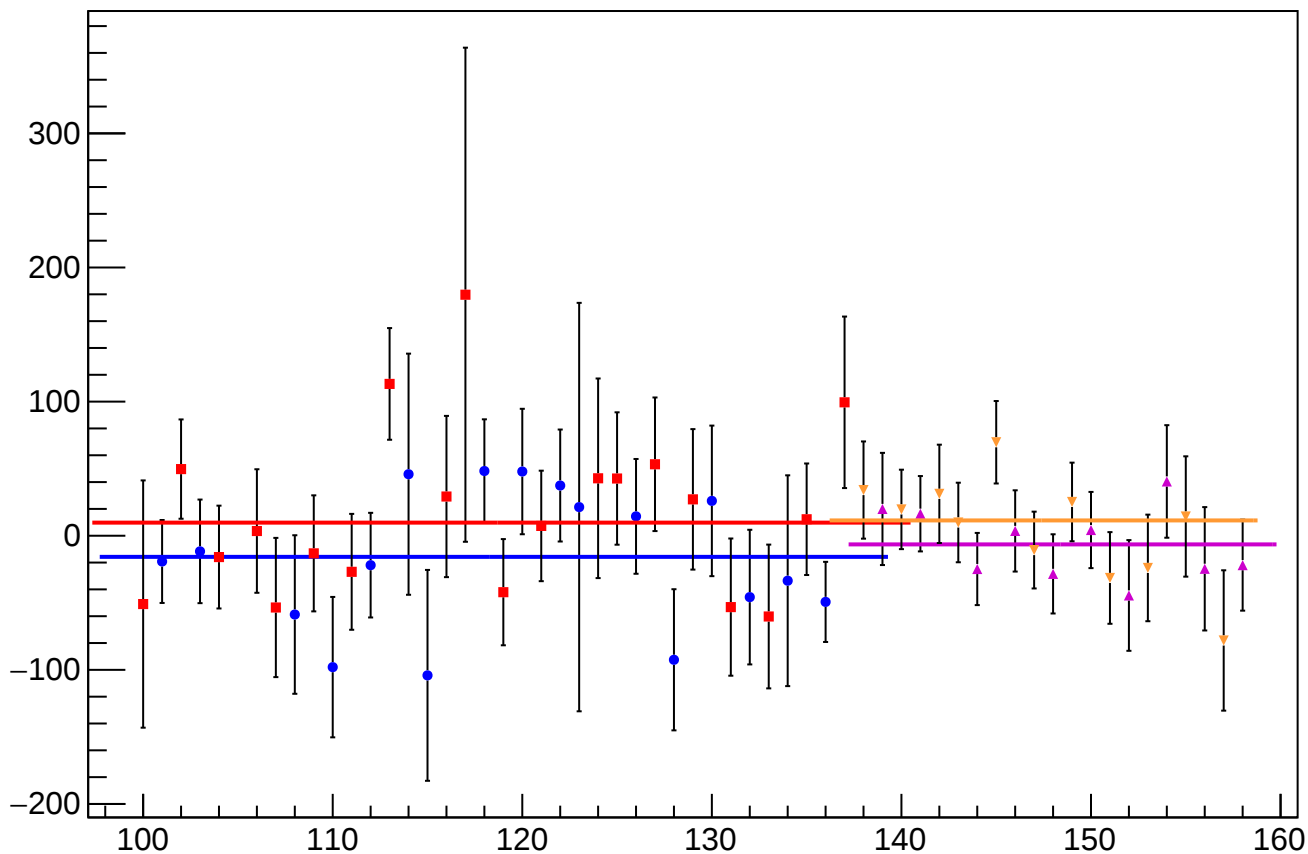
Right Out: 5758.506+/-1.714 χ^2/NDF : 2186395.0/19

Left In: 4492.831+/-1.344 χ^2/NDF : 4563542.9/9

5586.608+/-1.172 χ^2/NDF : 5600065.4/27

4974.640+/-1.058 χ^2/NDF : 7087615.0/29

diff_bpm12X_mean vs Slug



Right In: -15.751 ± 11.207 $\chi^2/\text{NDF}: 15.9/16$

Left Out: 11.411 ± 10.219 $\chi^2/\text{NDF}: 10.5/10$

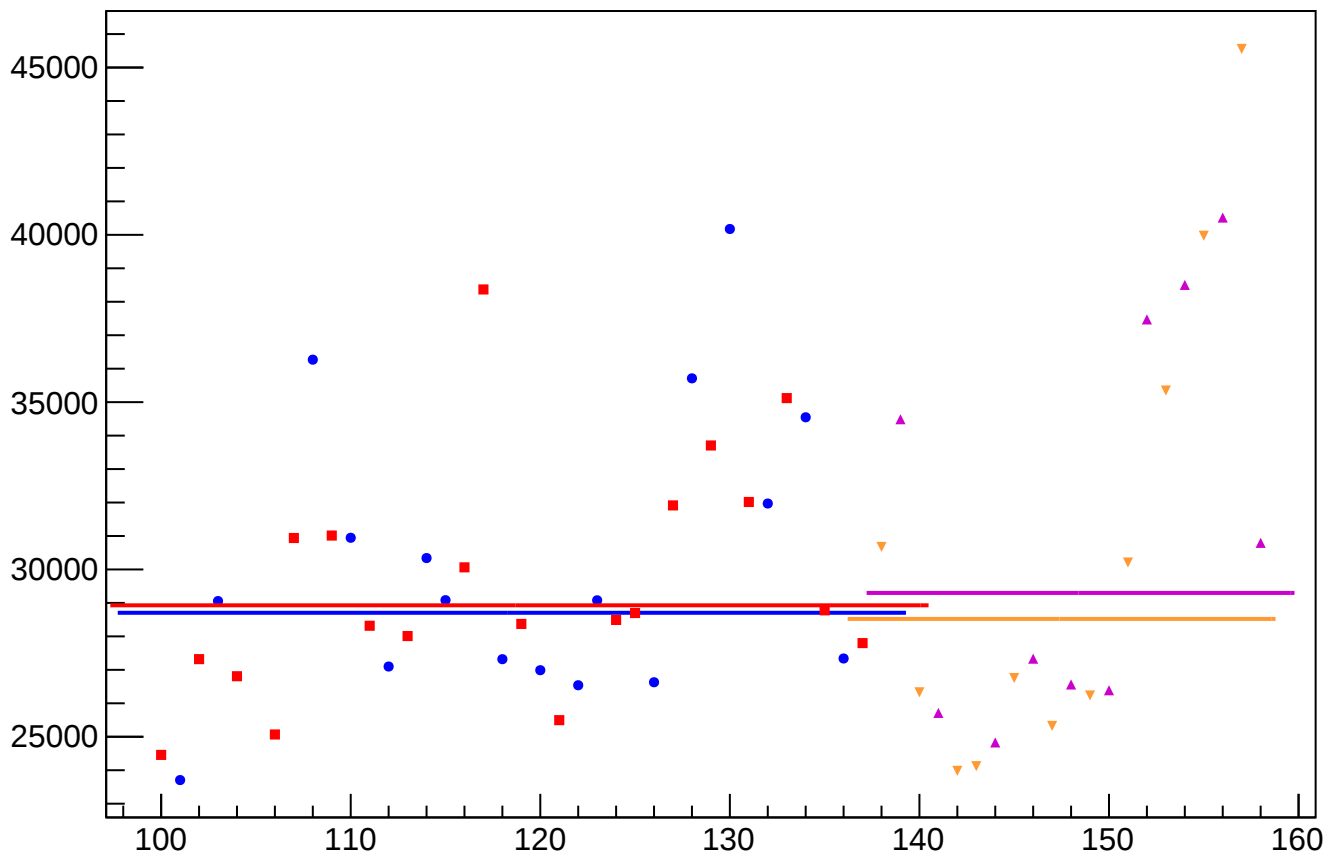
Right Out: 9.773 ± 10.870 $\chi^2/\text{NDF}: 20.1/19$

Left In: -6.457 ± 10.431 $\chi^2/\text{NDF}: 4.8/9$

-0.919 ± 7.551 $\chi^2/\text{NDF}: 29.6/27$

1.323 ± 7.526 $\chi^2/\text{NDF}: 26.1/29$

diff_bpm12X_rms vs Slug



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

Left Out: 28522.182+/-7.226 χ^2/NDF : 542608.7/10

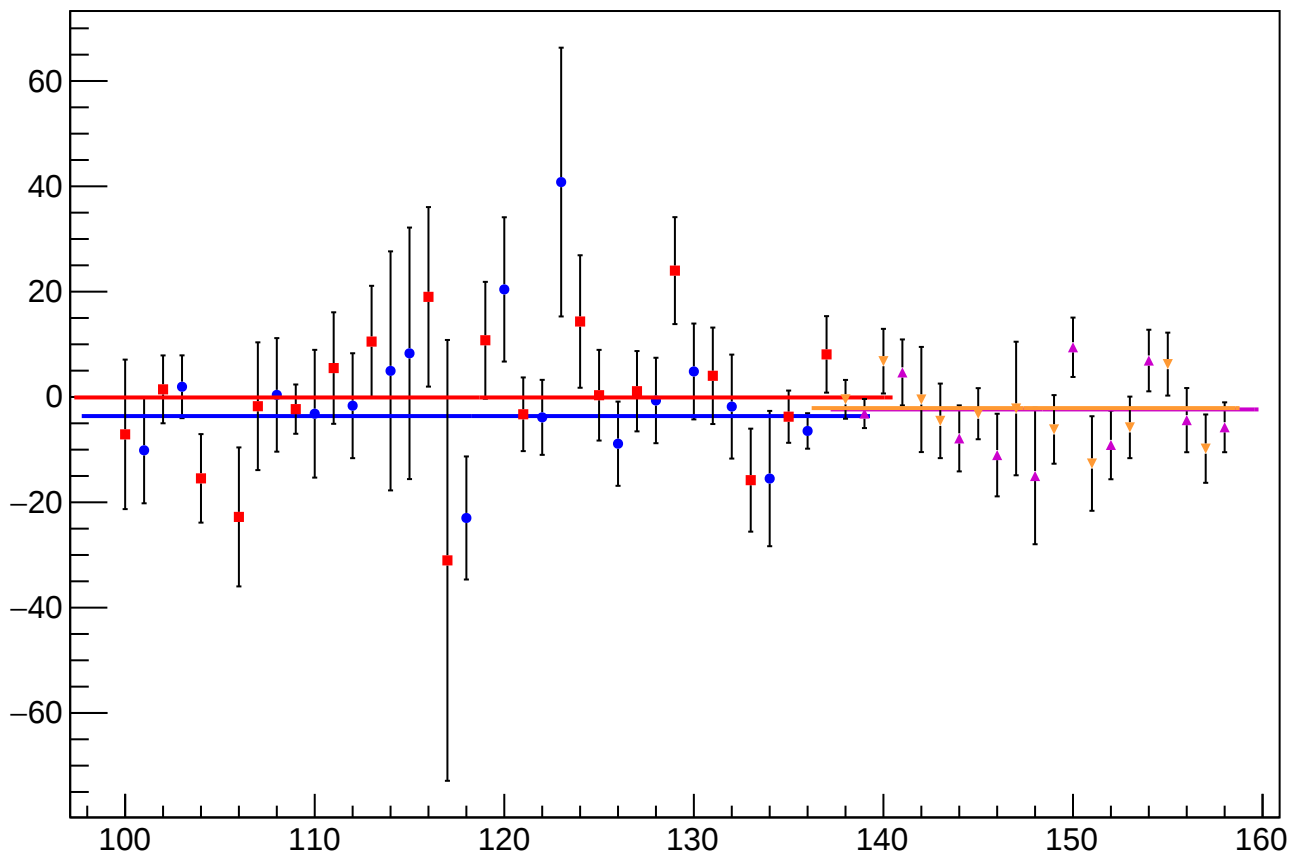
Right Out: 28928.520+/-7.686 χ^2/NDF : 116482.4/19

Left In: 29298.470+/-7.376 χ^2/NDF : 462619.6/9

28605.431+/-5.339 χ^2/NDF : 793893.6/27

29121.125+/-5.322 χ^2/NDF : 580308.1/29

diff_bpm12Y_mean vs Slug



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

Left Out: -2.112 ± 1.838 χ^2/NDF : 8.0/10

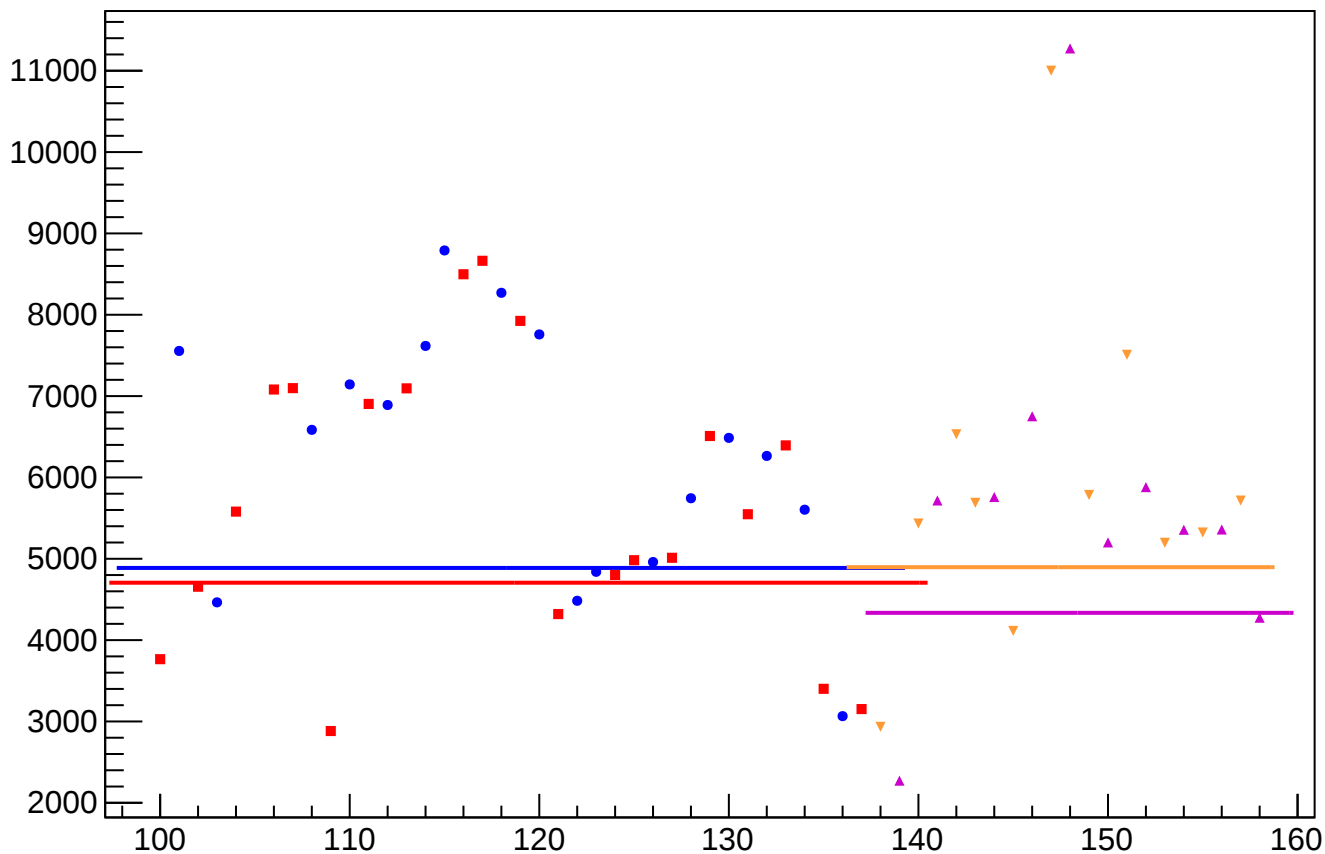
Right Out: -0.090 ± 1.888 χ^2/NDF : 22.6/19

Left In: -2.366 ± 1.666 χ^2/NDF : 12.9/9

-2.803 ± 1.355 χ^2/NDF : 22.1/27

-1.369 ± 1.249 χ^2/NDF : 36.3/29

diff_bpm12Y_rms vs Slug



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

Left Out: 4896.747+/-1.300 χ^2/NDF : 1430575.5/10

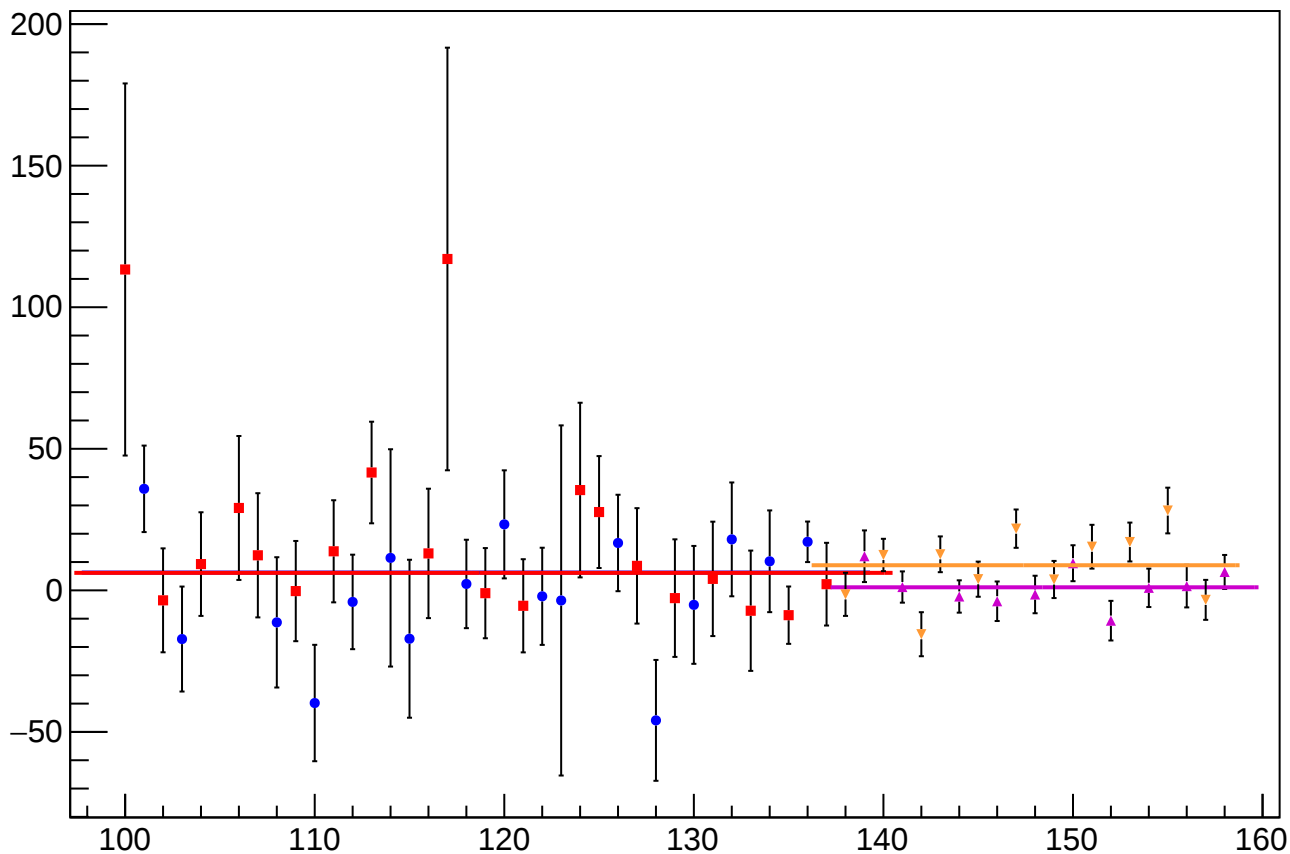
4892.533+/-0.958 χ^2/NDF : 2839895.3/27

Right Out: 4705.797+/-1.335 χ^2/NDF : 1331043.3/19

4497.609+/-0.883 χ^2/NDF : 3732510.8/29

Left In: 4335.411+/-1.178 χ^2/NDF : 2358204.0/9

diff_bpm16X_mean vs Slug



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

Left Out: 8.871 ± 2.068 $\chi^2/\text{NDF}: 28.2/10$

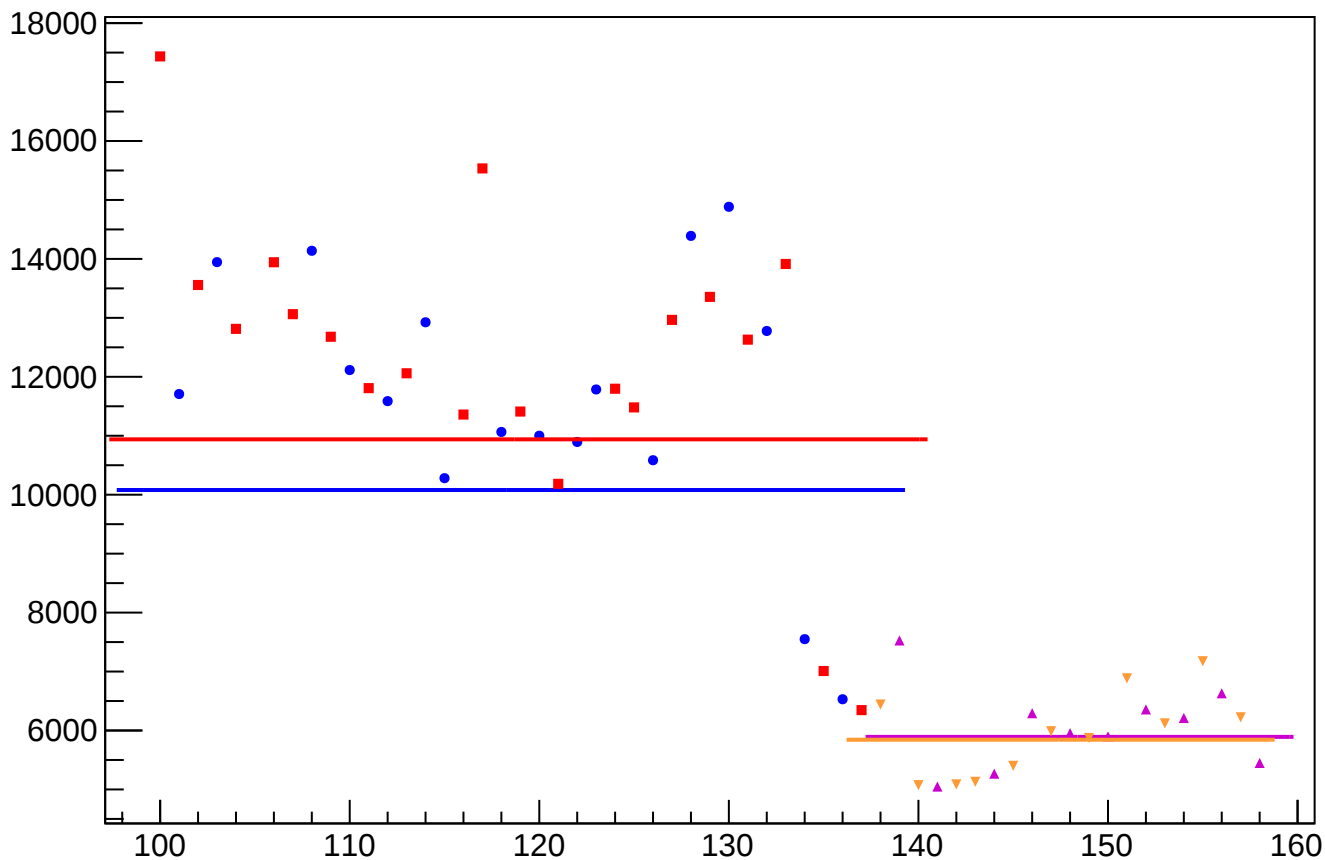
Right Out: 6.182 ± 4.212 $\chi^2/\text{NDF}: 16.0/19$

Left In: 1.083 ± 2.080 $\chi^2/\text{NDF}: 7.9/9$

8.339 ± 1.843 $\chi^2/\text{NDF}: 51.0/27$

2.082 ± 1.865 $\chi^2/\text{NDF}: 25.1/29$

diff_bpm16X_rms vs Slug



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

Left Out: 5843.375+/-1.462 χ^2/NDF : 204025.8/10

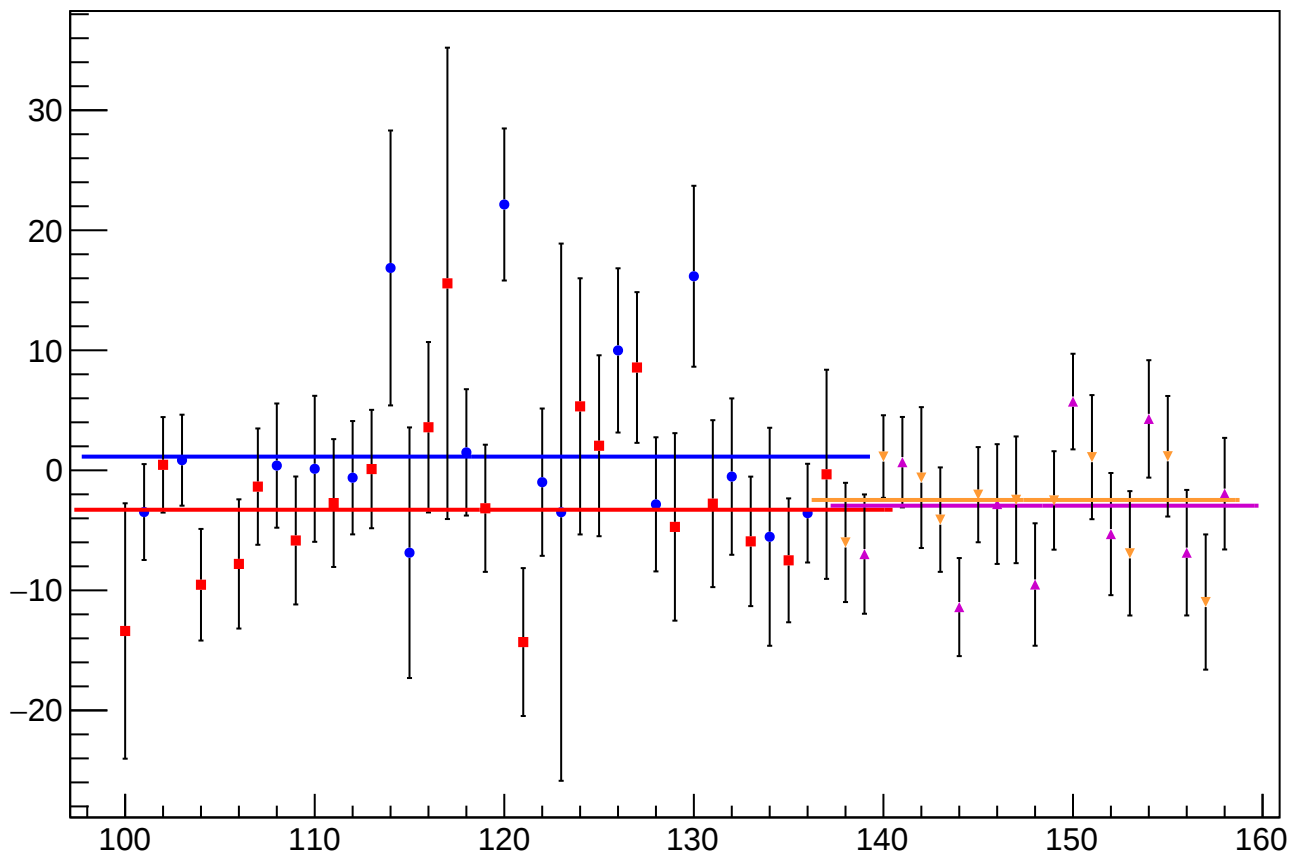
Right Out: 10939.227+/-2.979 χ^2/NDF : 776055.3/19

Left In: 5891.825+/-1.471 χ^2/NDF : 185031.4/9

6714.511+/-1.303 χ^2/NDF : 2924693.9/27

6881.240+/-1.319 χ^2/NDF : 3269733.8/29

diff_bpm16Y_mean vs Slug



Right In: 1.142 $\pm$ 1.395 χ^2 /NDF: 23.2/16

Left Out: -2.469 $\pm$ 1.398 χ^2 /NDF: 5.9/10

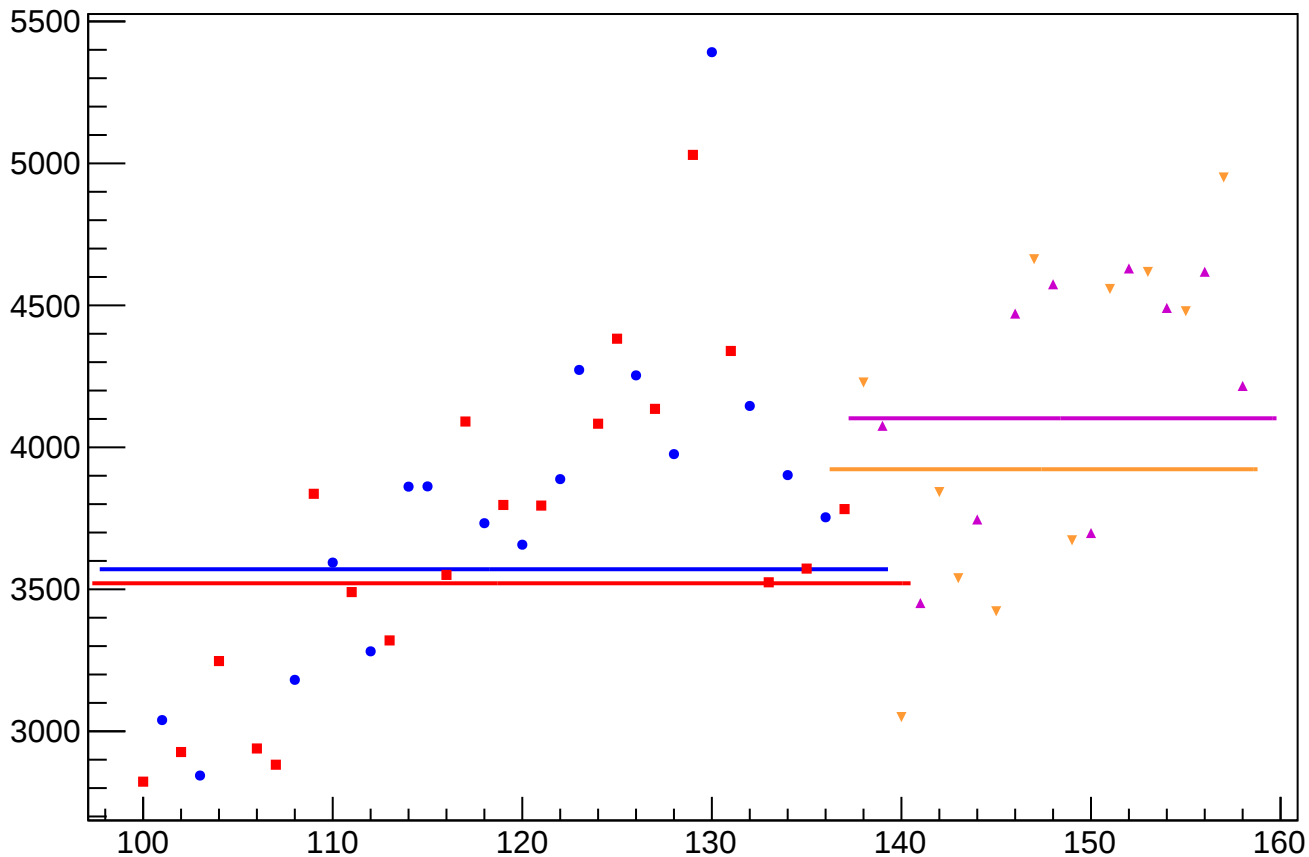
Right Out: -3.284 $\pm$ 1.330 χ^2 /NDF: 16.0/19

Left In: -2.946 $\pm$ 1.450 χ^2 /NDF: 15.3/9

-0.660 $\pm$ 0.988 χ^2 /NDF: 32.5/27

-3.130 $\pm$ 0.980 χ^2 /NDF: 31.3/29

diff_bpm16Y_rms vs Slug



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

Left Out: 3922.852 ± 0.989 χ^2/NDF : 387898.7/10

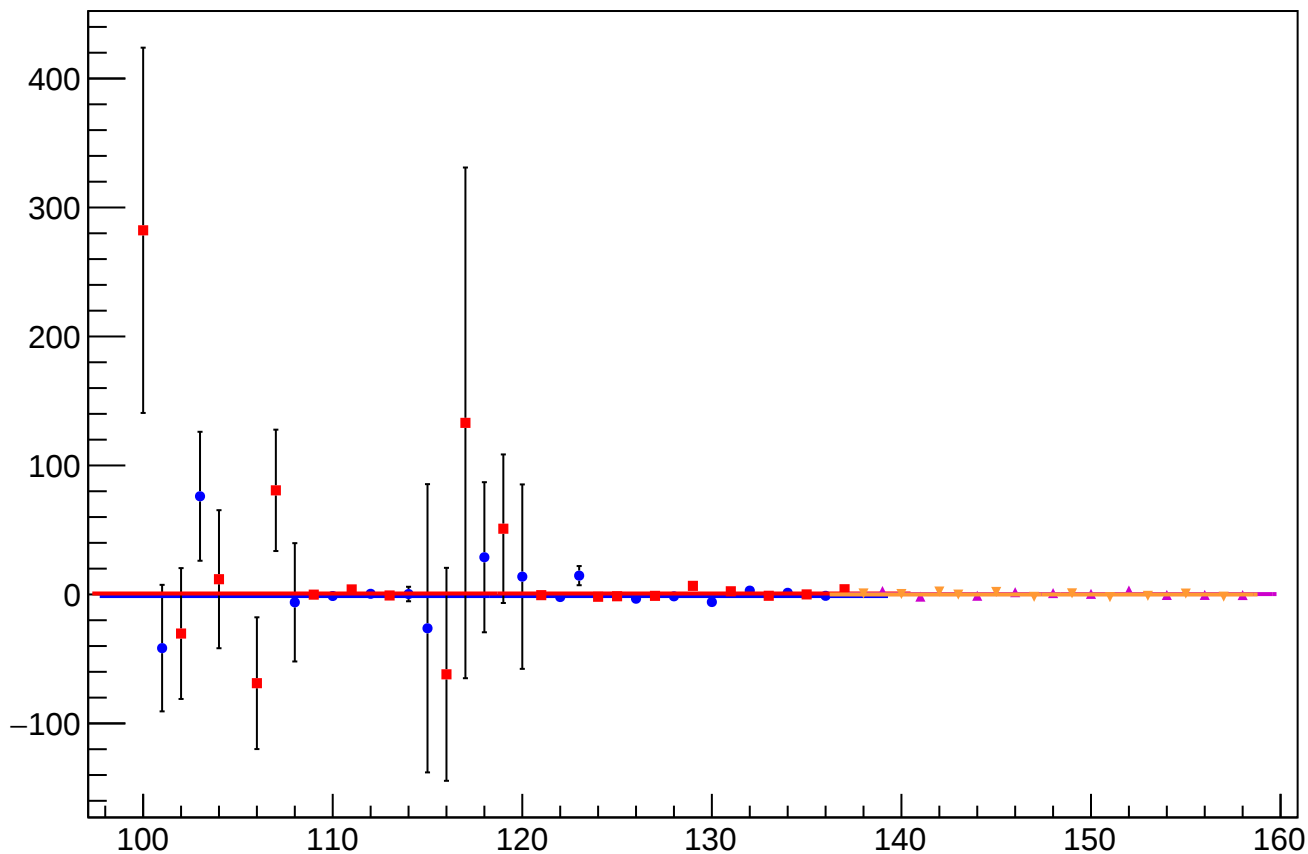
Right Out: 3521.247 ± 0.941 χ^2/NDF : 294919.2/19

Left In: 4102.311 ± 1.025 χ^2/NDF : 178395.2/9

3746.415 ± 0.698 χ^2/NDF : 761039.1/27

3786.817 ± 0.693 χ^2/NDF : 647764.9/29

diff_bpm1p02bX_mean vs Slug



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

Left Out: -0.012 ± 0.373 χ^2/NDF : 13.3/10

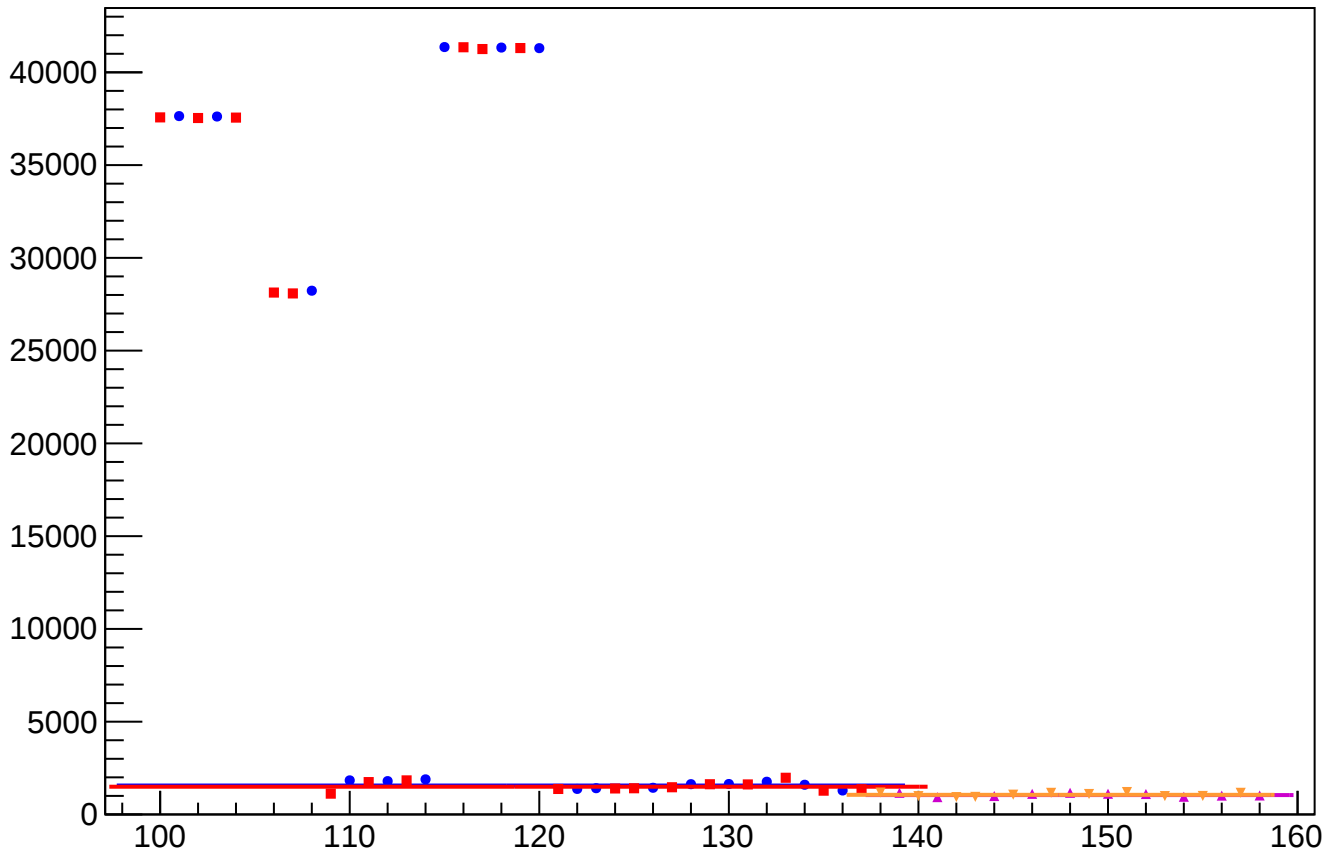
Right Out: 0.735 ± 0.710 χ^2/NDF : 22.5/19

Left In: 0.271 ± 0.368 χ^2/NDF : 16.0/9

-0.261 ± 0.334 χ^2/NDF : 31.9/27

0.369 ± 0.327 χ^2/NDF : 38.9/29

diff_bpm1p02bX_rms vs Slug



Right In: 1558.988+/-0.529 χ^2/NDF : 4753669.7/16

Left Out: 1058.129+/-0.264 χ^2/NDF :124531.9/10

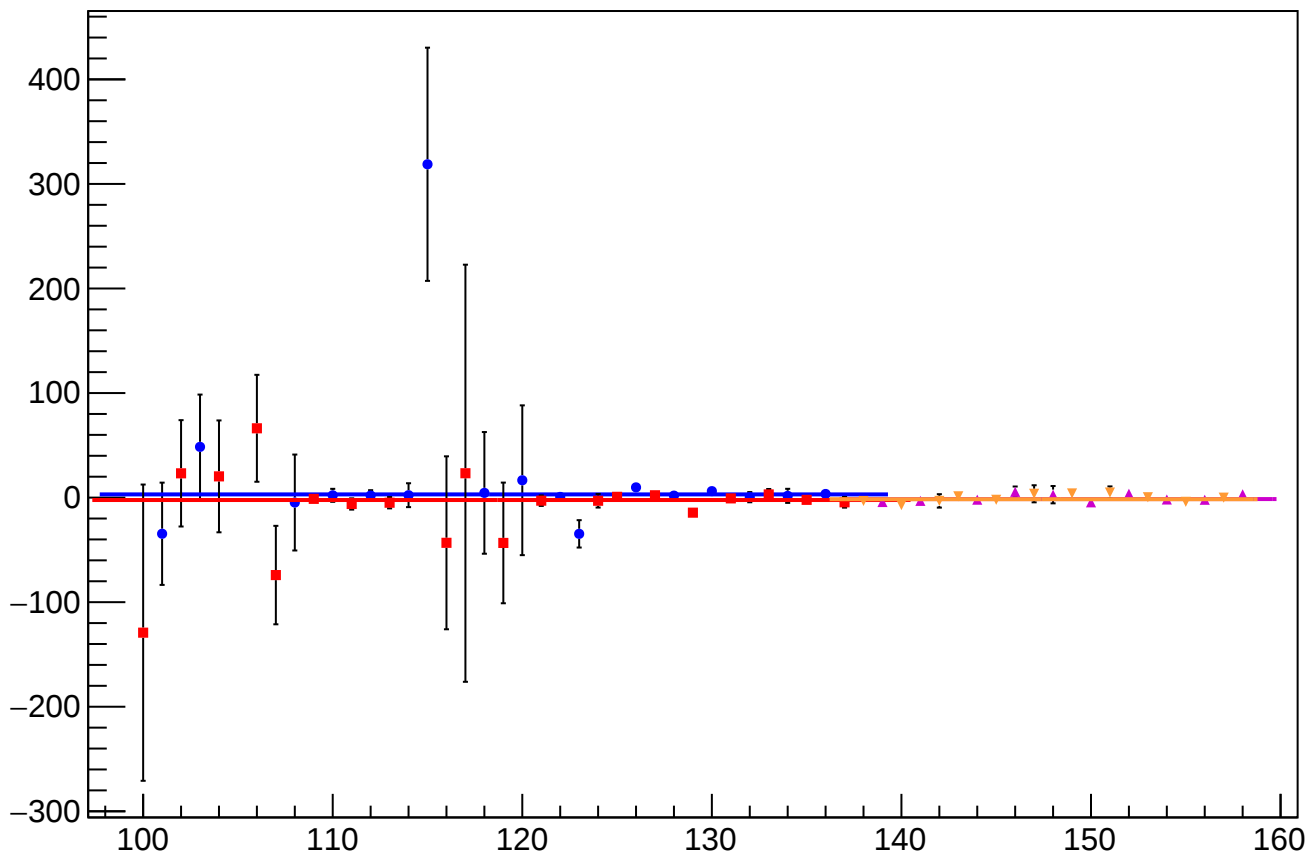
Right Out: 1495.131+/-0.502 χ^2/NDF : 4973587.9/19

Left In: 1044.419+/-0.260 χ^2/NDF :95491.3/9

1157.841+/-0.236 χ^2/NDF : 5596673.5/27

1139.760+/-0.231 χ^2/NDF : 5704031.6/29

diff_bpm1p02bY_mean vs Slug



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

Left Out: -1.529 ± 1.177 χ^2/NDF : 7.0/10

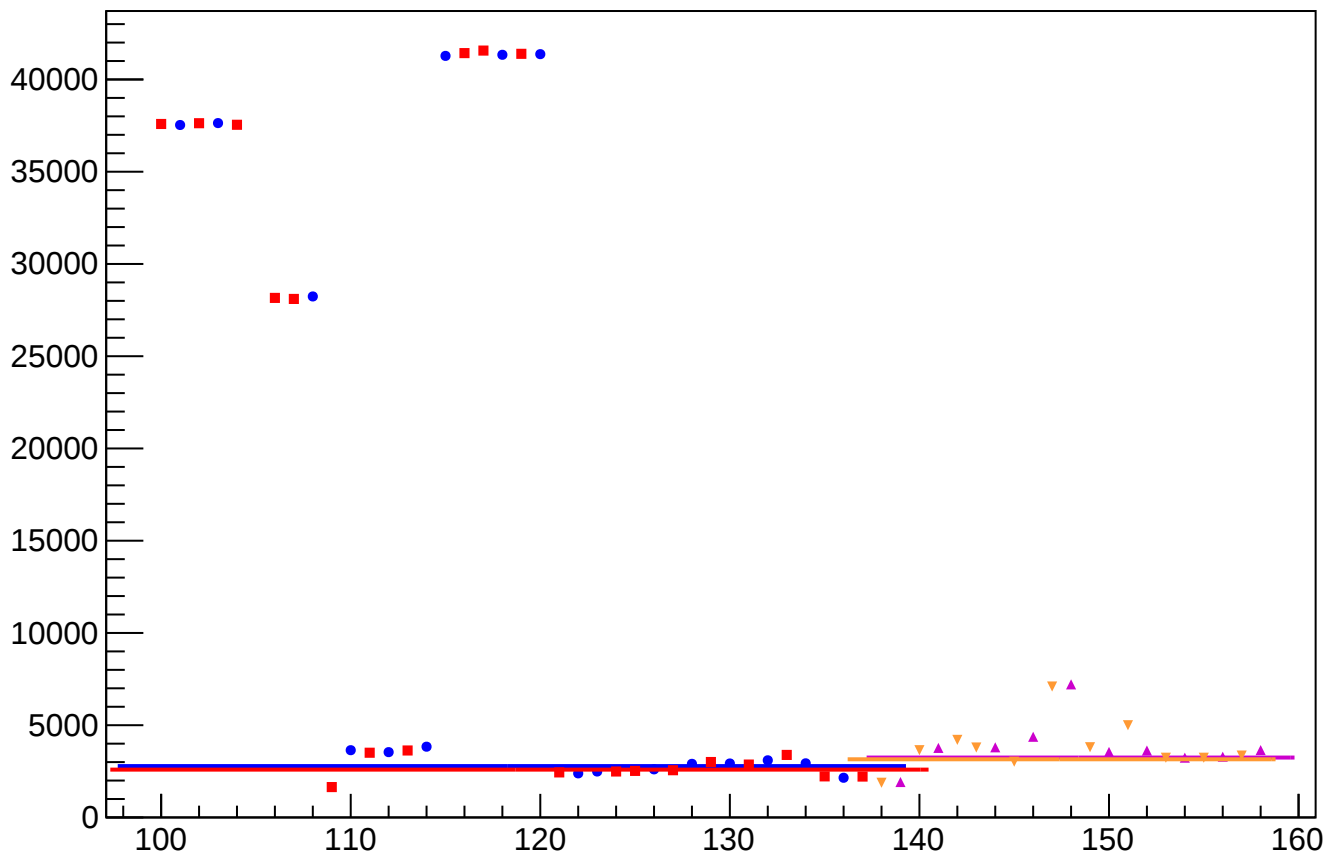
Right Out: -2.305 ± 1.235 χ^2/NDF : 16.9/19

Left In: -1.391 ± 1.203 χ^2/NDF : 7.3/9

0.504 ± 0.879 χ^2/NDF : 35.7/27

-1.836 ± 0.861 χ^2/NDF : 24.6/29

diff_bpm1p02bY_rms vs Slug



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

Left Out: 3152.841+/-0.832 χ^2 /NDF: 1472519.2/10

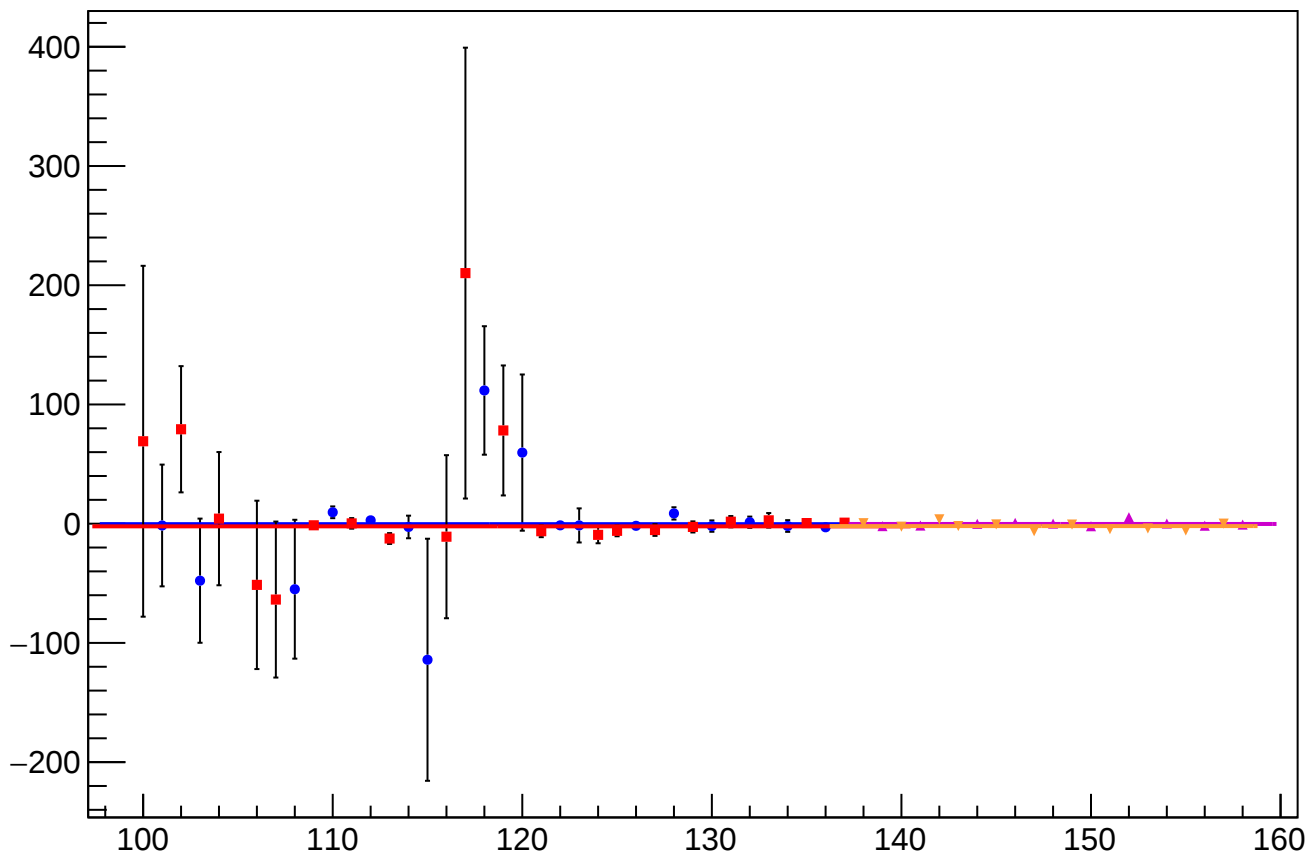
Right Out: 2592.654+/-0.873 χ^2 /NDF: 4923077.9/19

Left In: 3246.565+/-0.850 χ^2 /NDF: 1304732.9/9

2989.934+/-0.622 χ^2 /NDF: 6136713.4/27

2928.172+/-0.609 χ^2 /NDF: 6515735.5/29

diff_bpm1p03aX_mean vs Slug



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

Left Out: -2.020 ± 0.582 χ^2/NDF : 20.6/10

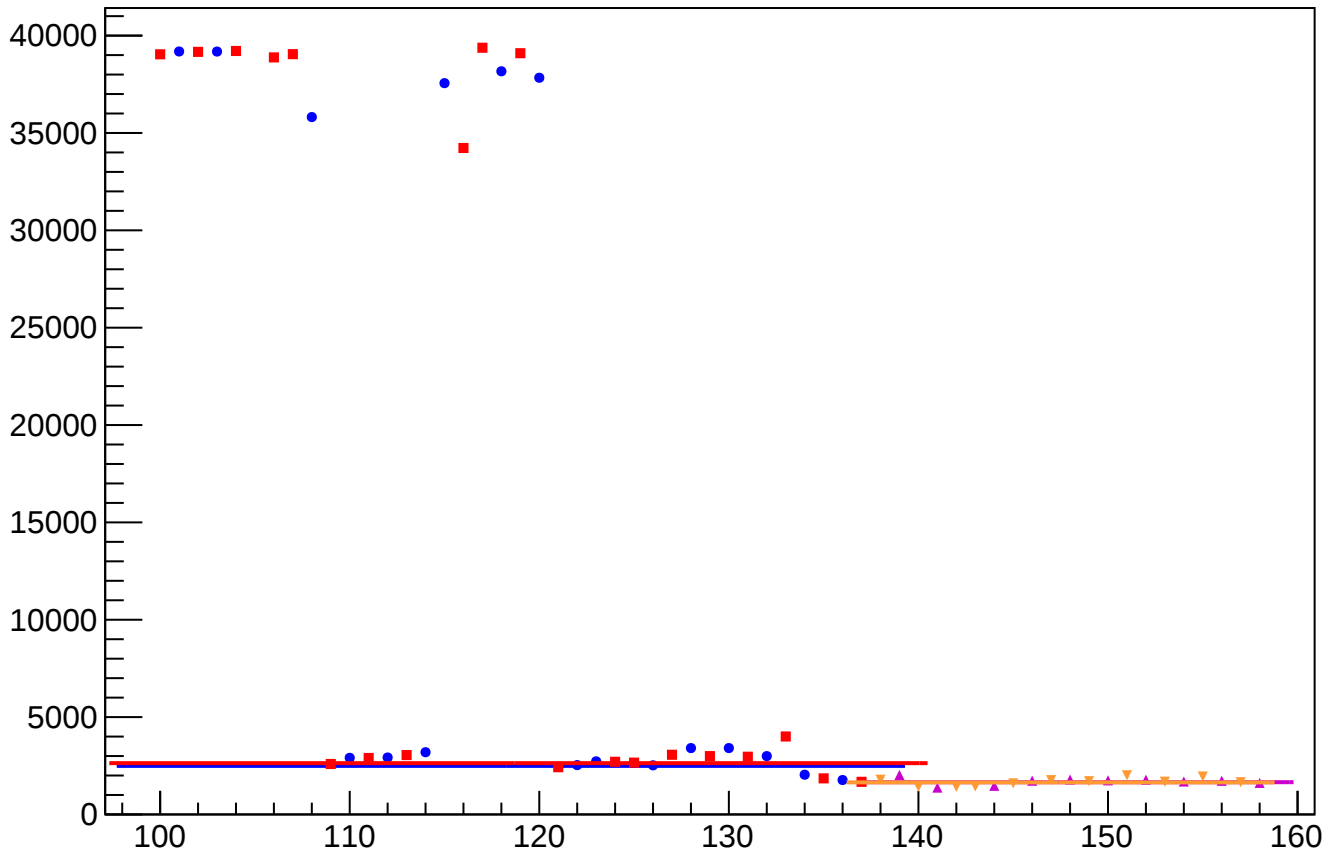
Right Out: -2.235 ± 1.246 χ^2/NDF : 18.7/19

Left In: -0.239 ± 0.585 χ^2/NDF : 11.5/9

-1.719 ± 0.525 χ^2/NDF : 40.3/27

-0.600 ± 0.530 χ^2/NDF : 32.3/29

diff_bpm1p03aX_rms vs Slug



Right In: 2495.603+/-0.861 χ^2/NDF : 4882334.6/16

Left Out: 1647.351+/-0.412 χ^2/NDF : 201853.7/10

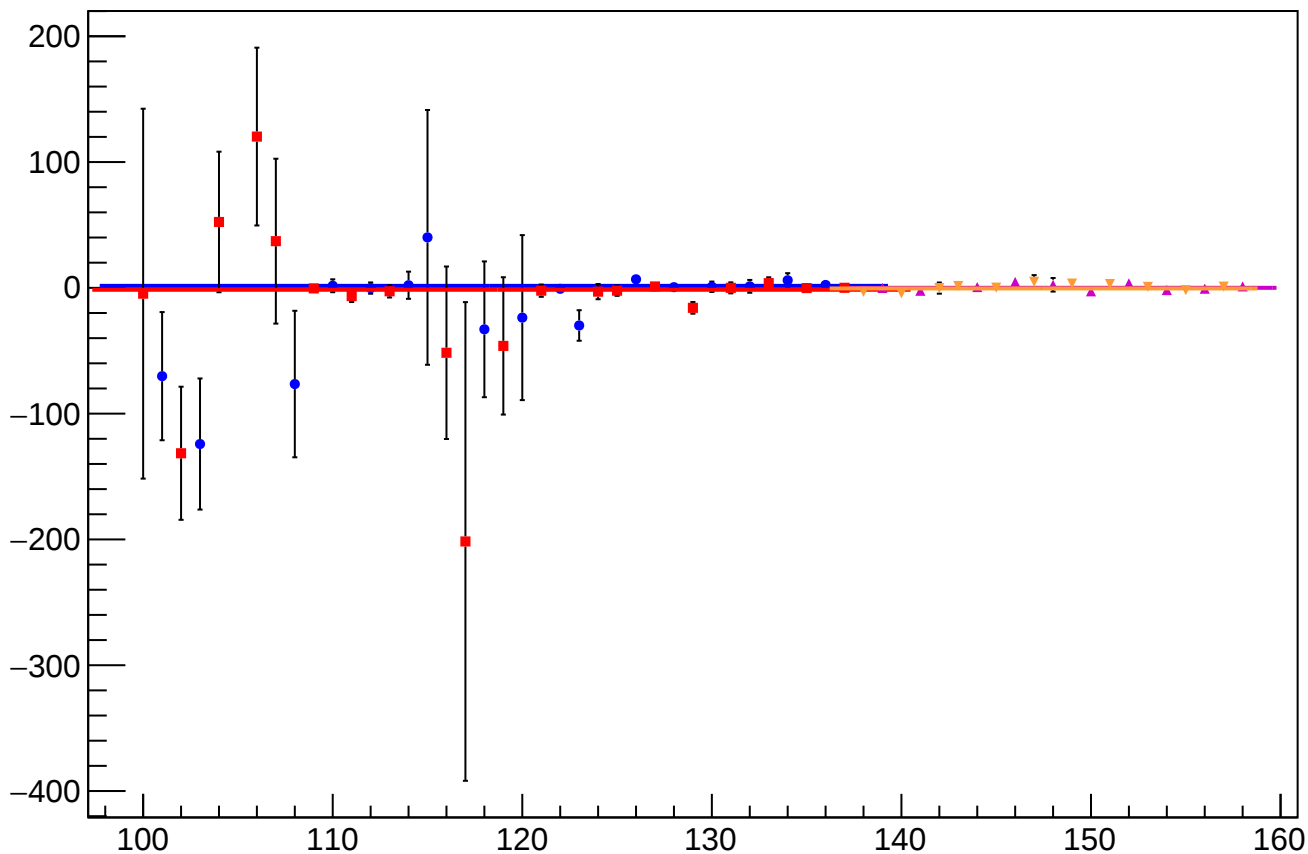
Right Out: 2634.840+/-0.881 χ^2/NDF : 4936039.0/19

Left In: 1657.005+/-0.414 χ^2/NDF : 170239.9/9

1805.187+/-0.371 χ^2/NDF : 5873943.5/27

1833.641+/-0.374 χ^2/NDF : 6115701.7/29

diff_bpm1p03aY_mean vs Slug



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

Left Out: -0.471+/-0.792 χ^2/NDF : 9.8/10

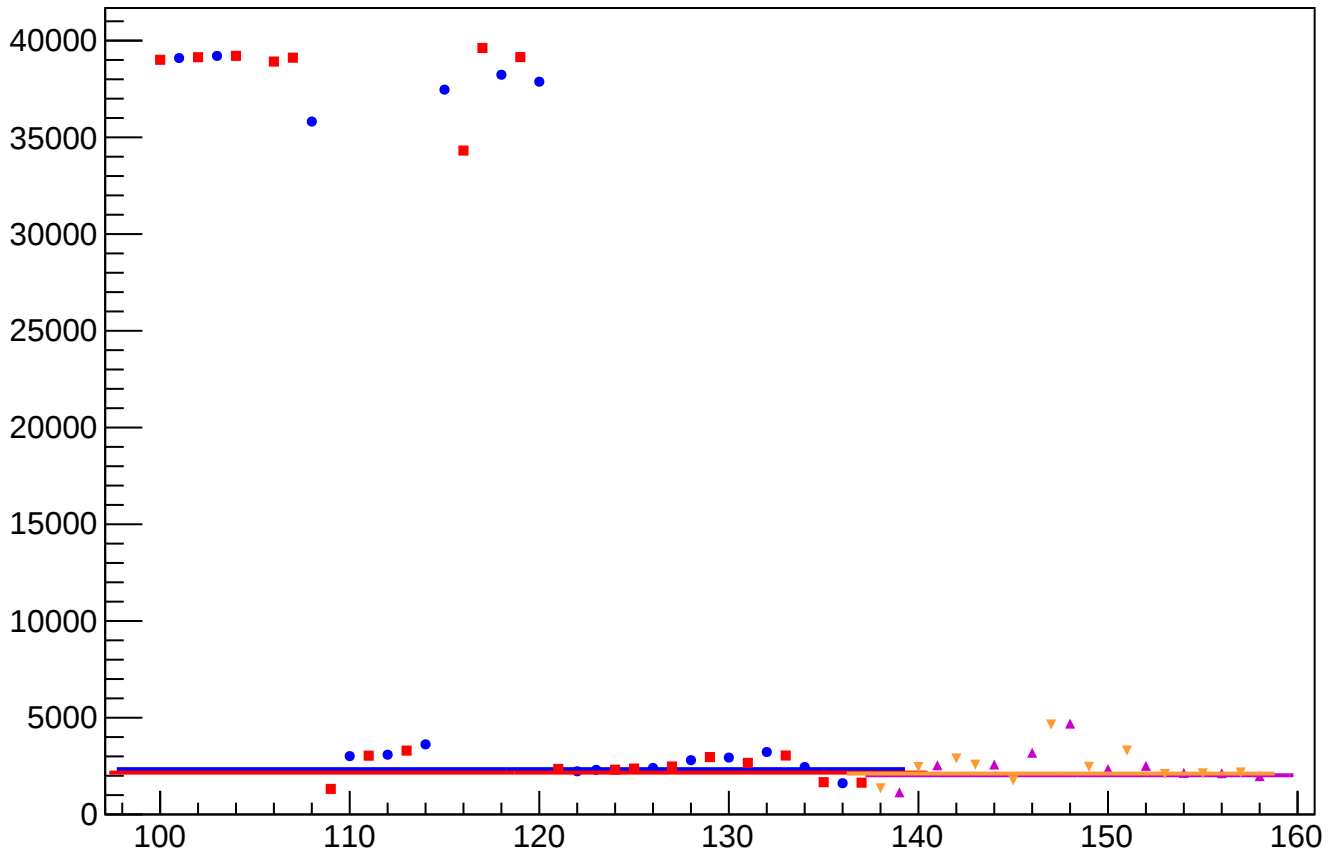
Right Out: -1.530+/-1.062 χ^2/NDF : 26.1/19

Left In: 0.023+/-0.762 χ^2/NDF : 6.3/9

0.193+/-0.651 χ^2/NDF : 32.3/27

-0.505+/-0.619 χ^2/NDF : 33.9/29

diff_bpm1p03aY_rms vs Slug



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

Left Out: 2115.267+/-0.560 χ^2/NDF :1255709.5/10

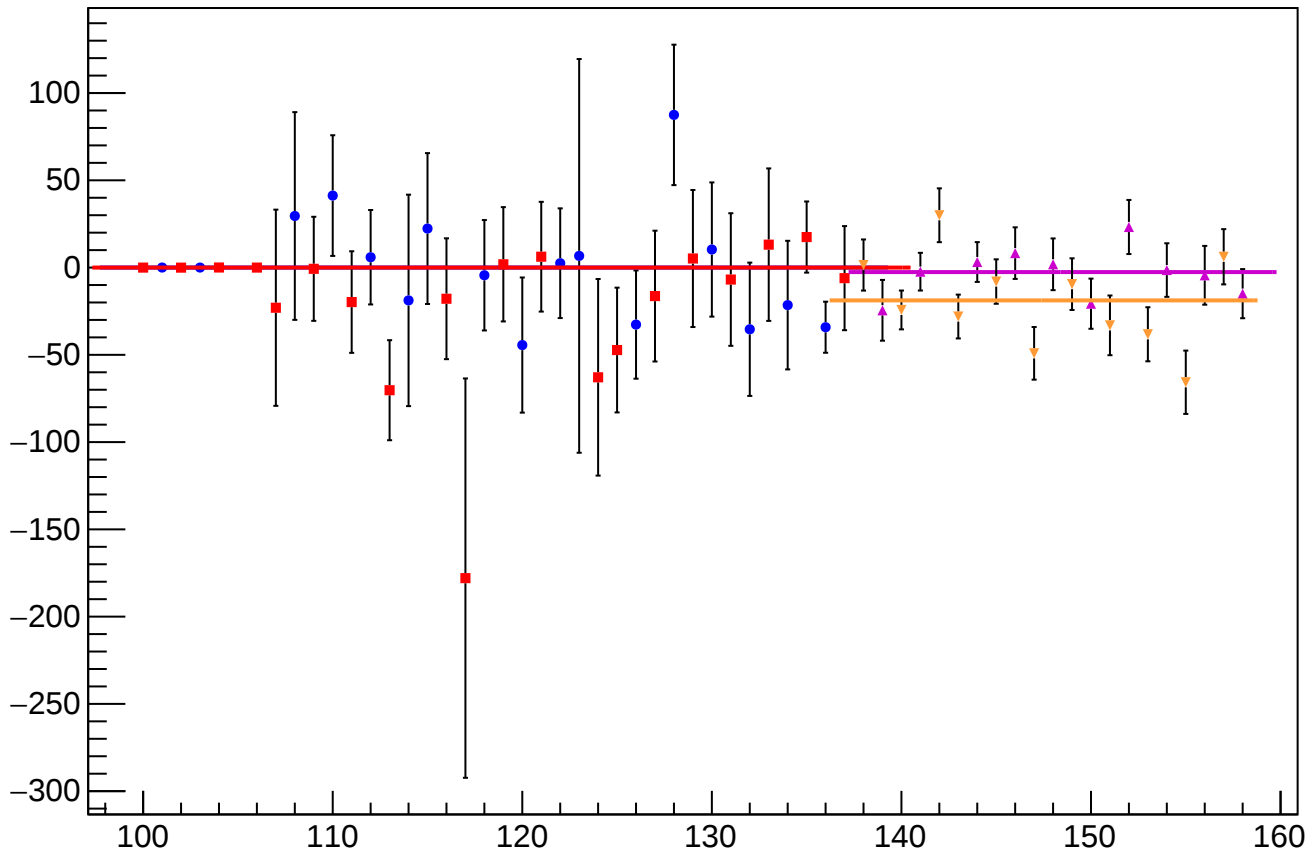
Right Out: 2162.329+/-0.751 χ^2/NDF : 5376569.5/19

Left In: 2026.478+/-0.539 χ^2/NDF :1746598.6/9

2188.507+/-0.460 χ^2/NDF : 6315350.0/27

2072.672+/-0.438 χ^2/NDF : 7144761.5/29

diff_cav4bX_mean vs Slug



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

Left Out: -18.806 ± 4.342 χ^2/NDF : 29.3/10

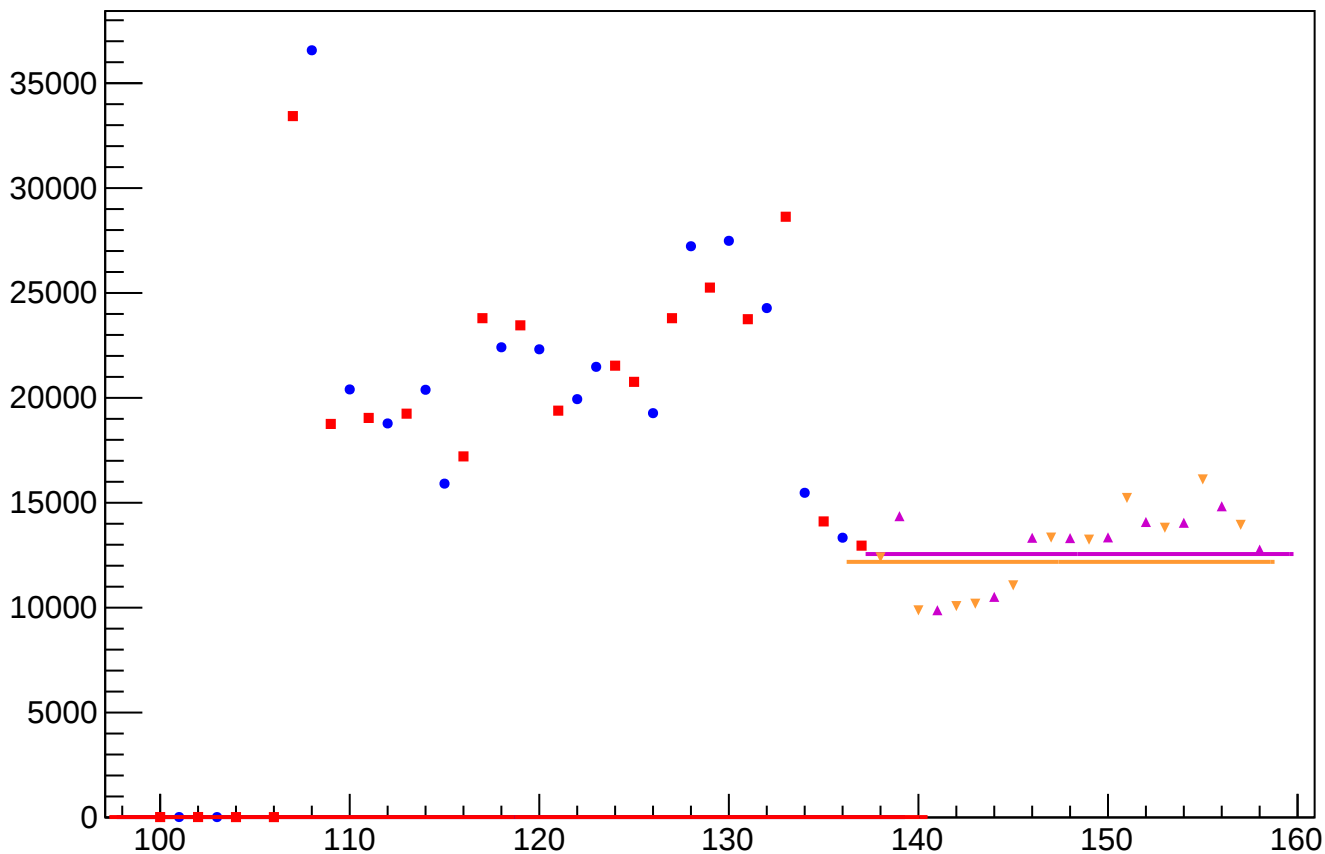
Right Out: 0.003 ± 0.016 χ^2/NDF : 18.3/19

Left In: -2.585 ± 4.450 χ^2/NDF : 7.6/9

0.013 ± 0.017 χ^2/NDF : 64.3/27

0.003 ± 0.016 χ^2/NDF : 26.3/29

diff_cav4bX_rms vs Slug



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

Left Out: 12183.091+/-3.070 χ^2 /NDF:416427.8/10

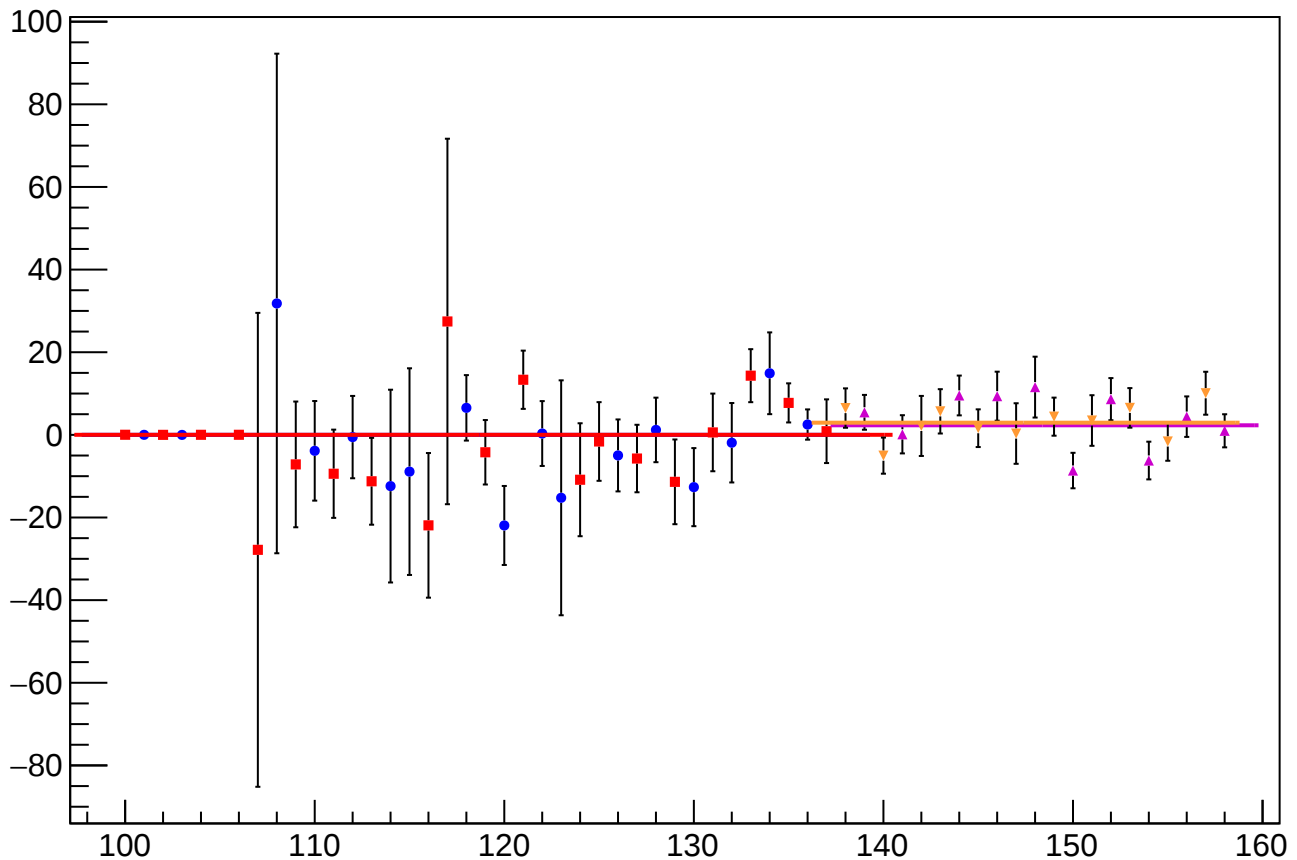
Right Out: 18.312+/-0.011 χ^2 /NDF: 11197081.8/19

Left In: 12556.218+/-3.147 χ^2 /NDF:300490.9/9

18.836+/-0.012 χ^2 /NDF: 27097606.6/27

18.475+/-0.011 χ^2 /NDF: 27374300.8/29

diff_cav4bY_mean vs Slug



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

Left Out: 2.948 $\pm$ 1.549 χ^2 /NDF: 7.9/10

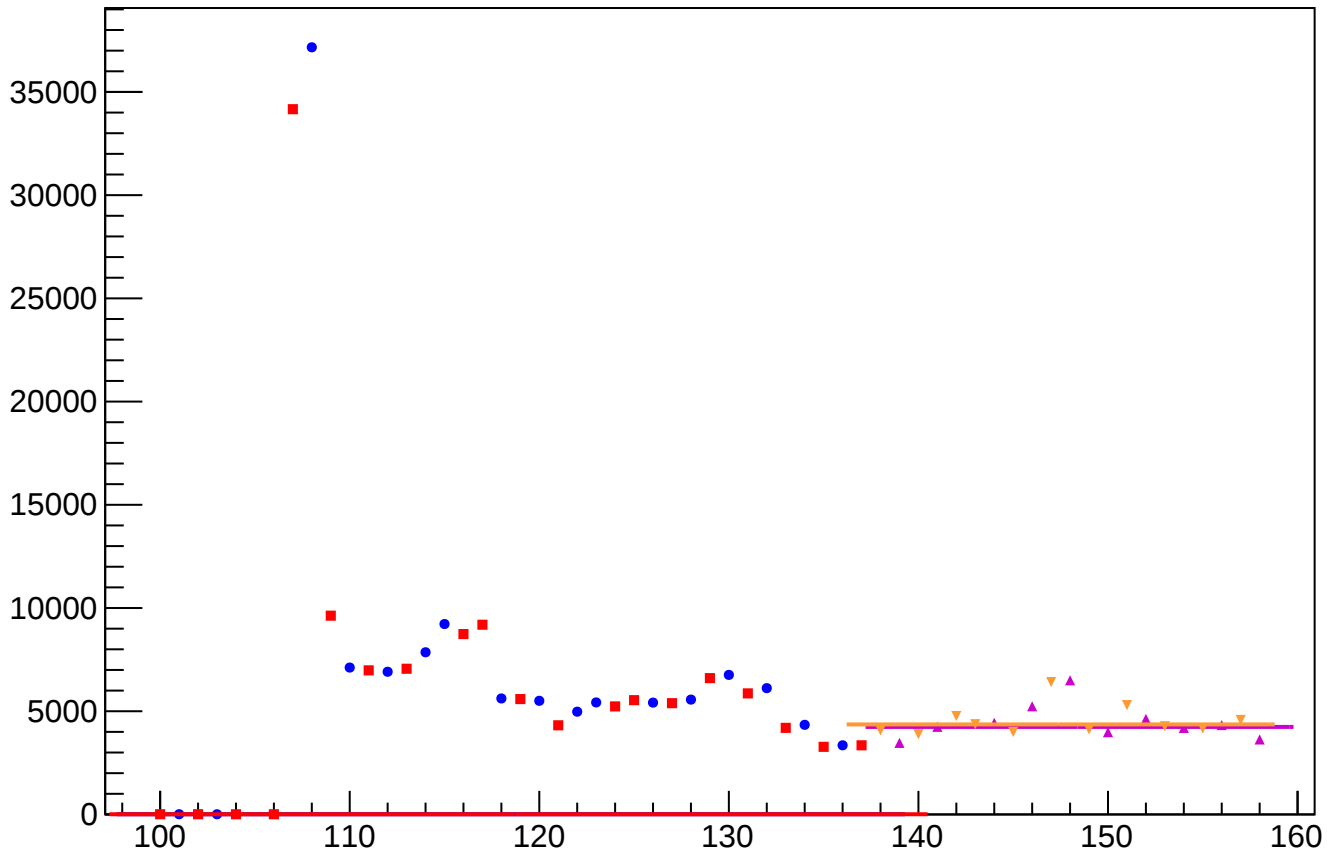
Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 19.0/19

Left In: 2.317 $\pm$ 1.511 χ^2 /NDF: 17.9/9

0.001 $\pm$ 0.009 χ^2 /NDF: 24.5/27

0.014 $\pm$ 0.009 χ^2 /NDF: 39.1/29

diff_cav4bY_rms vs Slug



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

Left Out: 4361.373+/-1.095 χ^2/NDF :266752.3/10

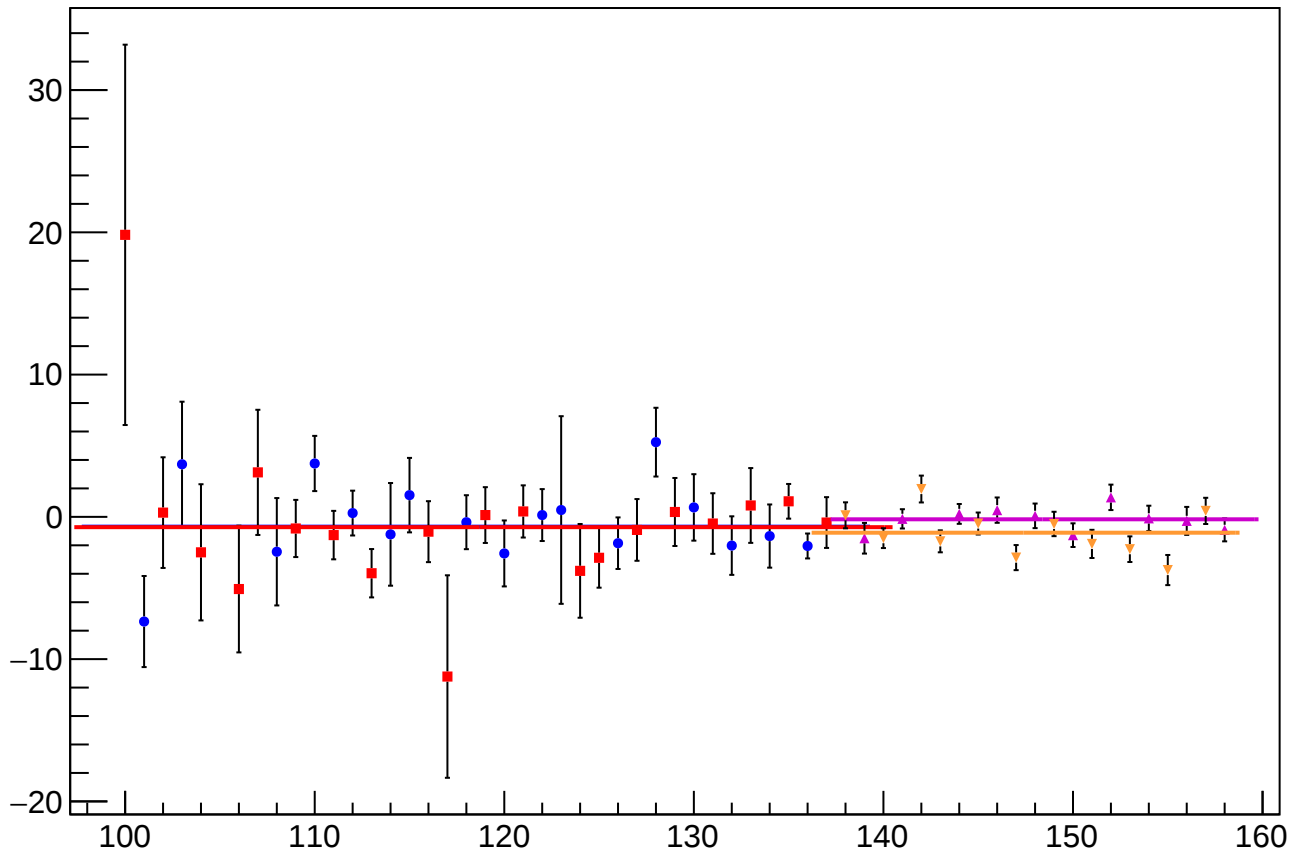
Right Out: 9.855+/-0.006 χ^2/NDF : 11246160.9/19

Left In: 4240.448+/-1.069 χ^2/NDF :380985.2/9

10.093+/-0.007 χ^2/NDF : 27173462.6/27

9.993+/-0.006 χ^2/NDF : 27298567.5/29

diff_cav4cX_mean vs Slug



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

-1.018 ± 0.229 χ^2/NDF : 52.7/27

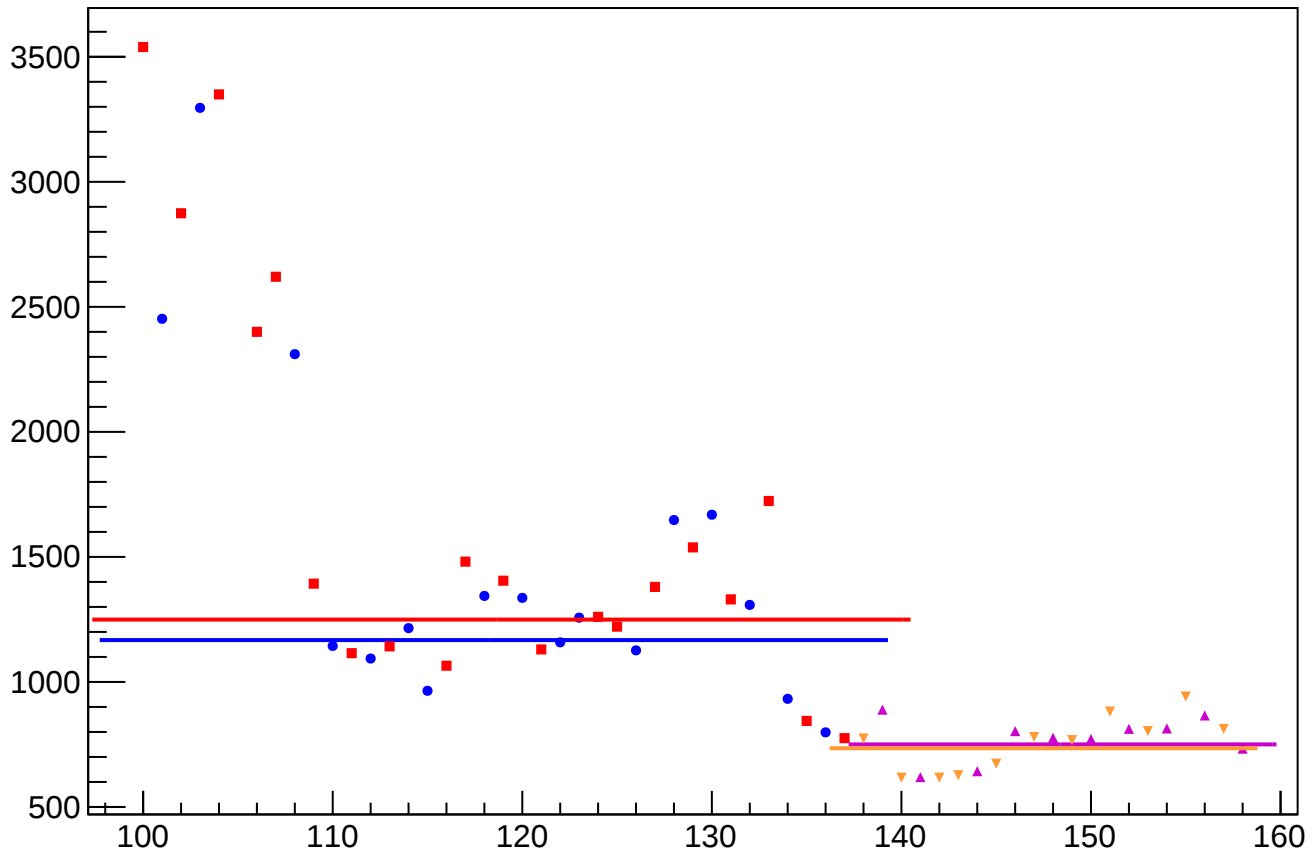
Left Out: -1.114 ± 0.261 χ^2/NDF : 29.6/10

Right Out: -0.724 ± 0.499 χ^2/NDF : 15.5/19

-0.293 ± 0.234 χ^2/NDF : 24.5/29

Left In: -0.172 ± 0.265 χ^2/NDF : 8.1/9

diff_cav4cX_rms vs Slug



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

Left Out: 734.808 $\pm$ 0.184 χ^2 /NDF: 297287.9/10

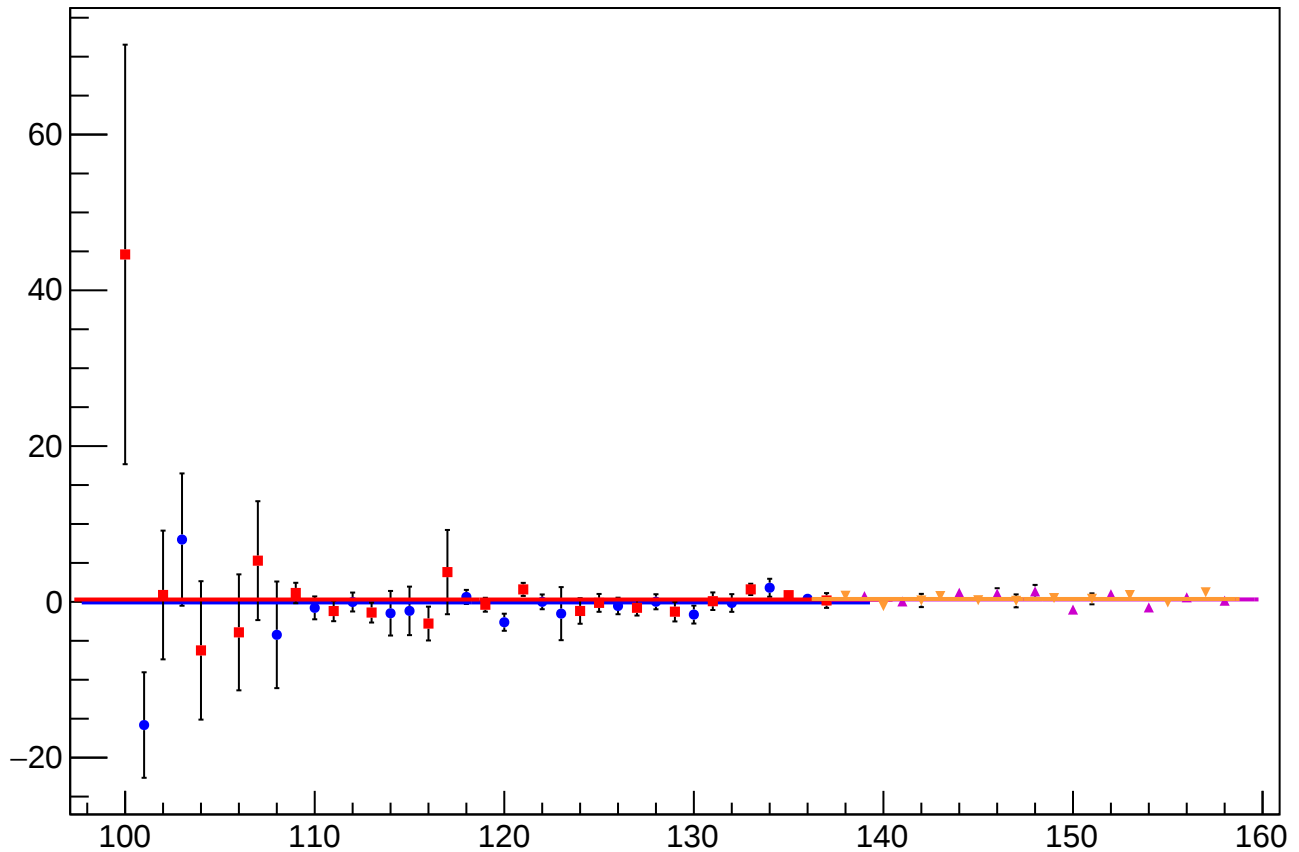
832.660 $\pm$ 0.162 χ^2 /NDF: 3120773.6/27

Right Out: 1249.388 $\pm$ 0.353 χ^2 /NDF: 1656159.5/19

859.965 $\pm$ 0.166 χ^2 /NDF: 3428773.8/29

Left In: 750.270 $\pm$ 0.187 χ^2 /NDF: 214206.8/9

diff_cav4cY_mean vs Slug



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

Left Out: 0.373 ± 0.184 χ^2/NDF : 7.5/10

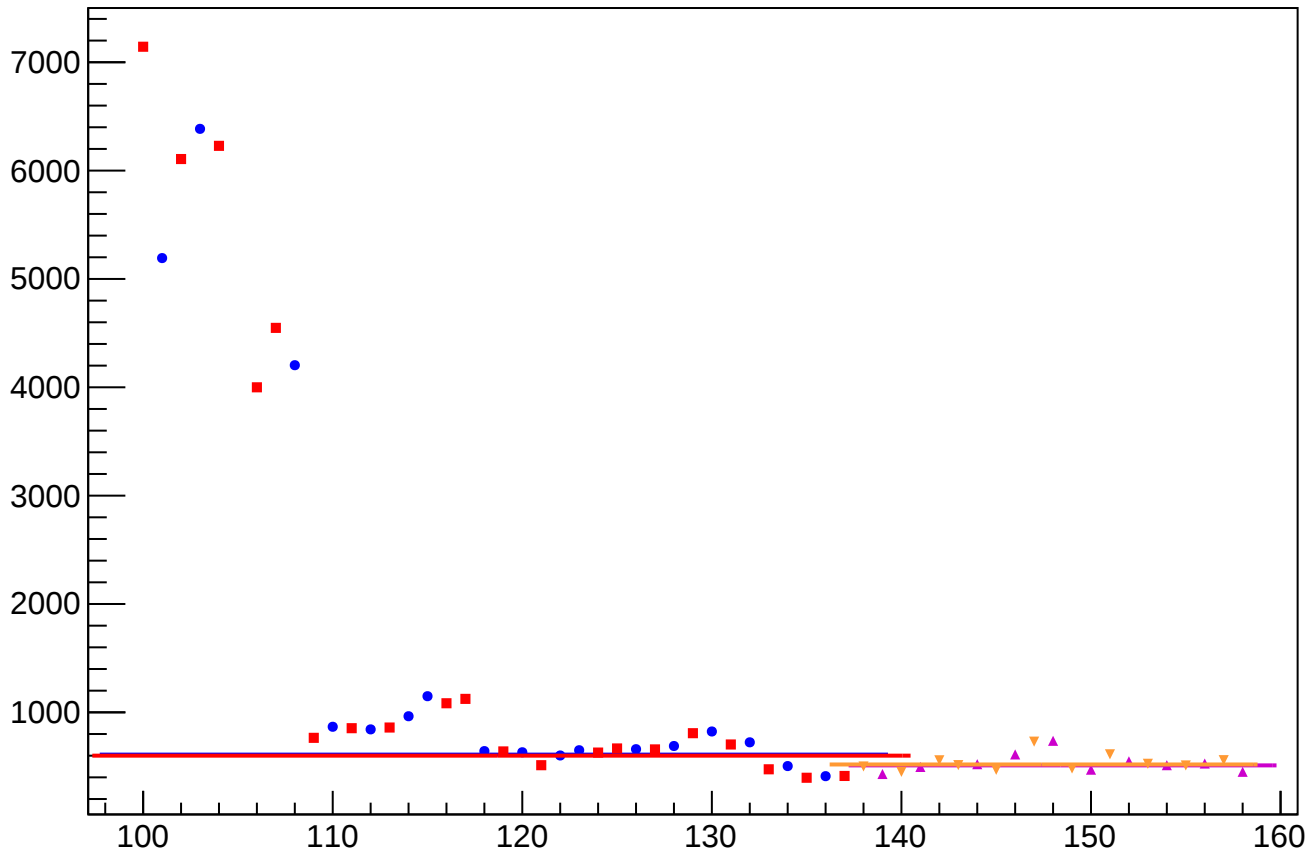
Right Out: 0.303 ± 0.264 χ^2/NDF : 20.7/19

Left In: 0.313 ± 0.181 χ^2/NDF : 17.4/9

0.231 ± 0.152 χ^2/NDF : 28.6/27

0.310 ± 0.149 χ^2/NDF : 38.1/29

diff_cav4cY_rms vs Slug



Right In: 609.780+/-0.190 χ^2/NDF : 3135978.5/16

Left Out: 518.840+/-0.130 χ^2/NDF : 241368.1/10

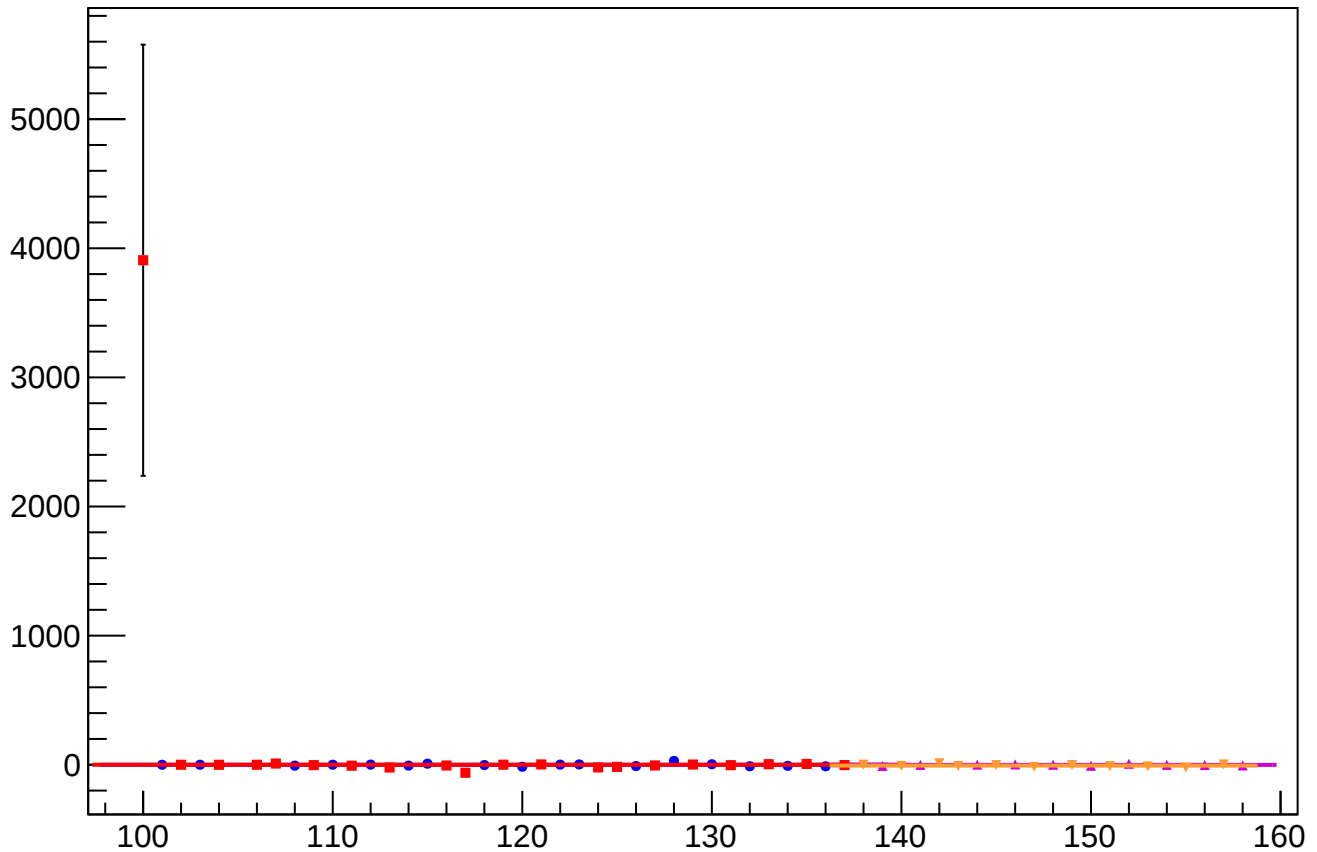
547.872+/-0.107 χ^2/NDF : 3533436.7/27

Right Out: 600.264+/-0.186 χ^2/NDF : 3571191.0/19

539.296+/-0.106 χ^2/NDF : 4017928.9/29

Left In: 510.456+/-0.128 χ^2/NDF : 289130.9/9

diff_cav4dX_mean vs Slug



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

Left Out: -6.422+/-1.515 χ^2 /NDF: 29.6/10

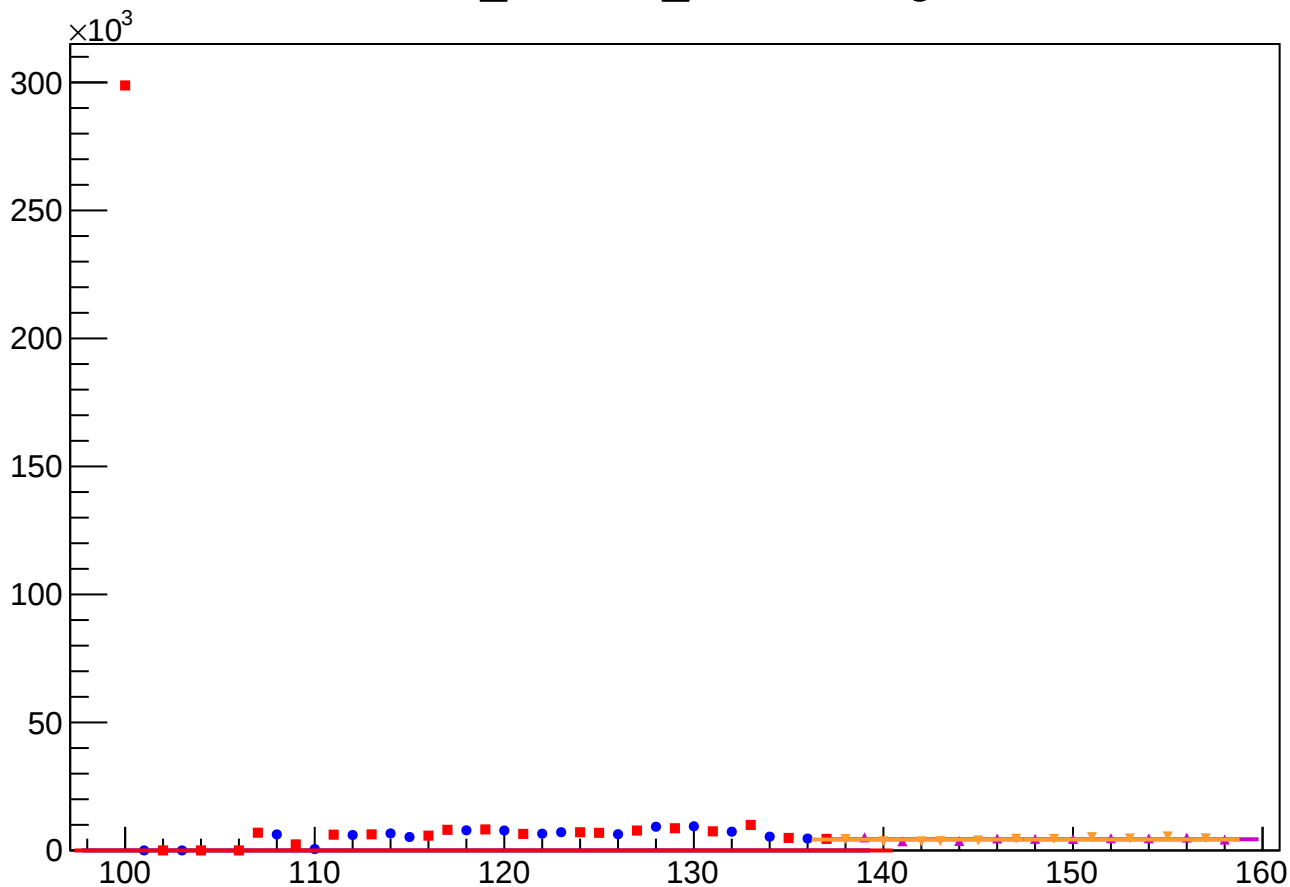
Right Out: -0.027+/-0.020 χ^2 /NDF: 20.5/19

Left In: -0.974+/-1.544 χ^2 /NDF: 7.9/9

-0.023+/-0.021 χ^2 /NDF: 63.1/27

-0.027+/-0.020 χ^2 /NDF: 28.8/29

diff_cav4dX_rms vs Slug



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

Left Out: 4266.159 $\pm$ 1.071 χ^2 /NDF: 320613.7/10

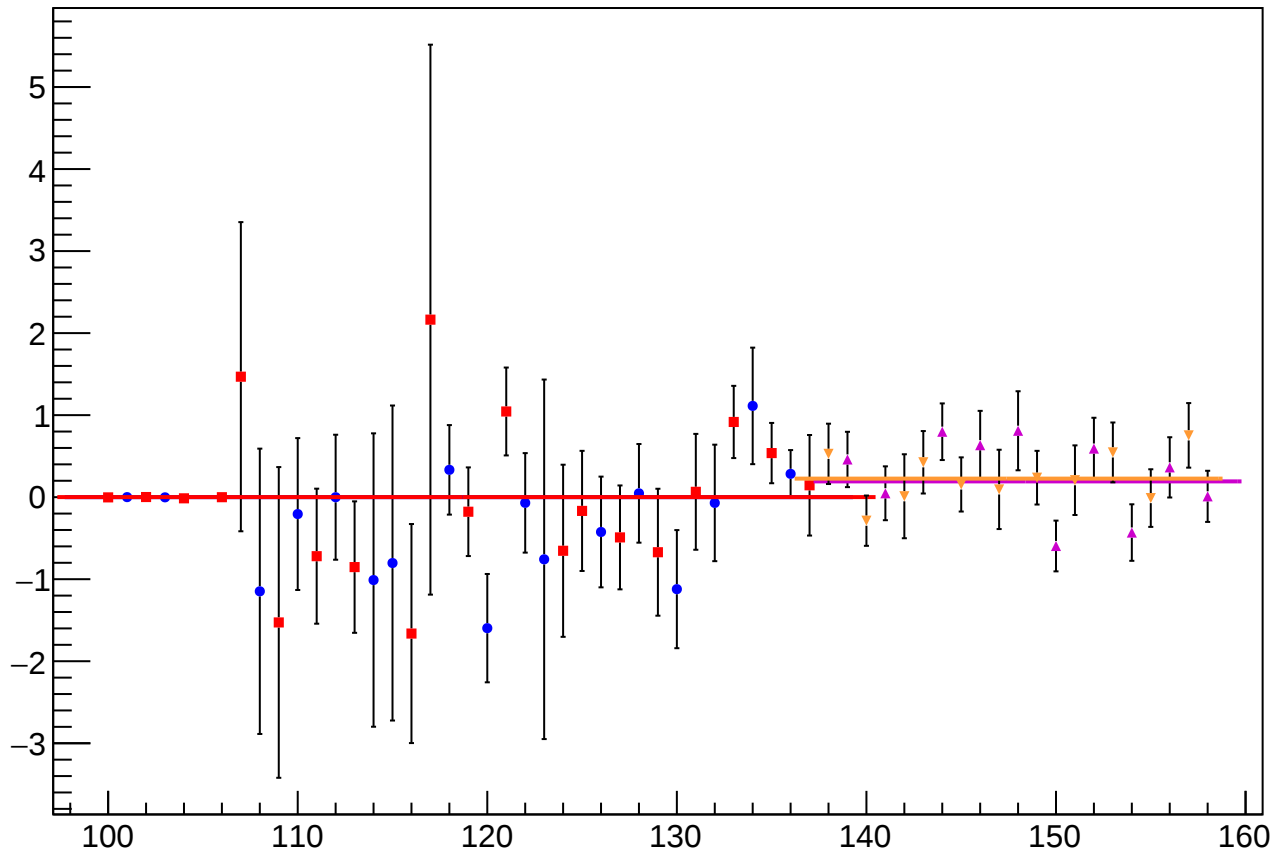
Right Out: 17.271 $\pm$ 0.014 χ^2 /NDF: 10906837.9/19

Left In: 4368.366 $\pm$ 1.092 χ^2 /NDF: 226855.8/9

18.141 $\pm$ 0.015 χ^2 /NDF: 26546396.8/27

17.985 $\pm$ 0.014 χ^2 /NDF: 27014042.1/29

diff_cav4dY_mean vs Slug



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

Left Out: 0.226+/-0.112 χ^2/NDF : 7.1/10

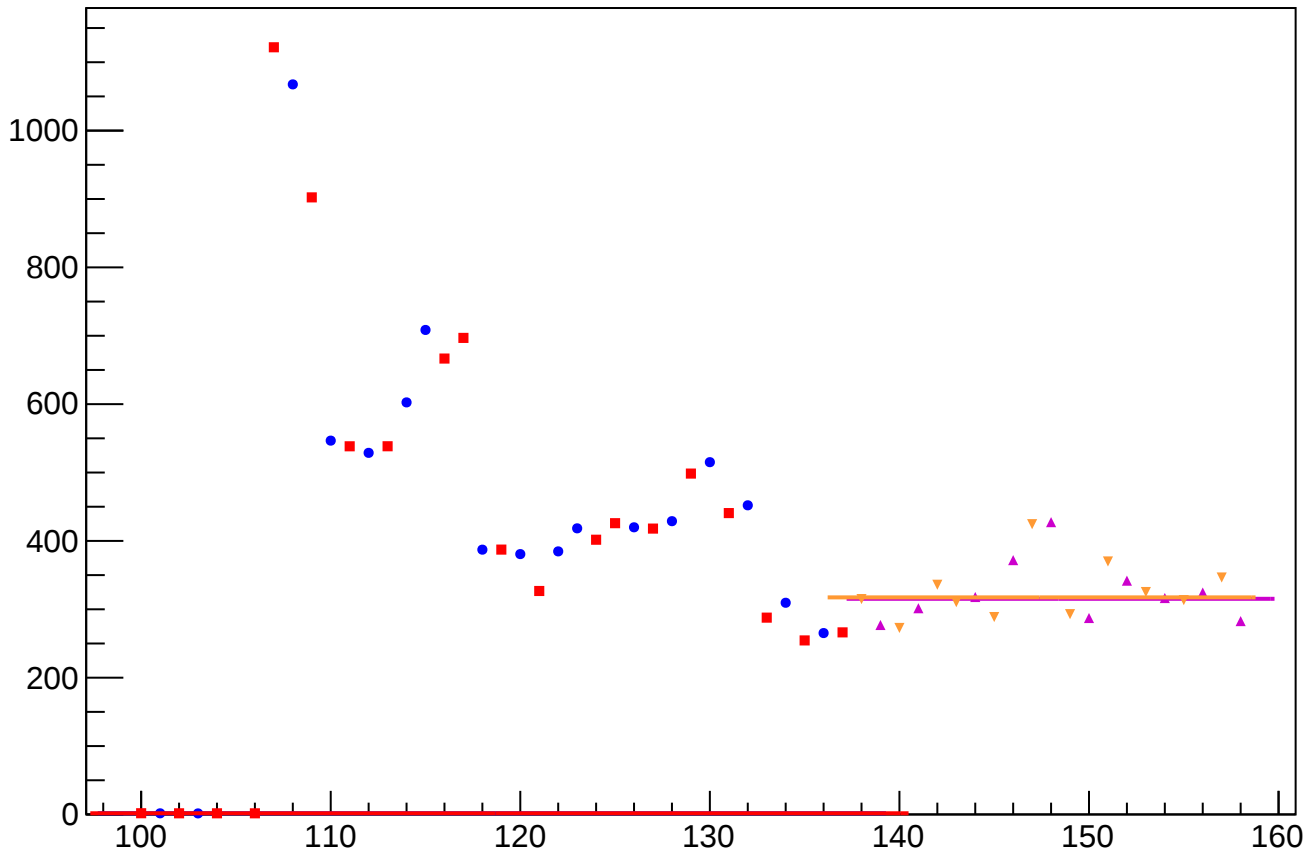
Right Out: 0.001+/-0.002 χ^2/NDF : 18.3/19

Left In: 0.192+/-0.112 χ^2/NDF : 18.1/9

0.000+/-0.002 χ^2/NDF : 24.9/27

0.001+/-0.002 χ^2/NDF : 39.4/29

diff_cav4dY_rms vs Slug



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

Left Out: 317.428+/-0.079 χ^2/NDF : 212985.6/10

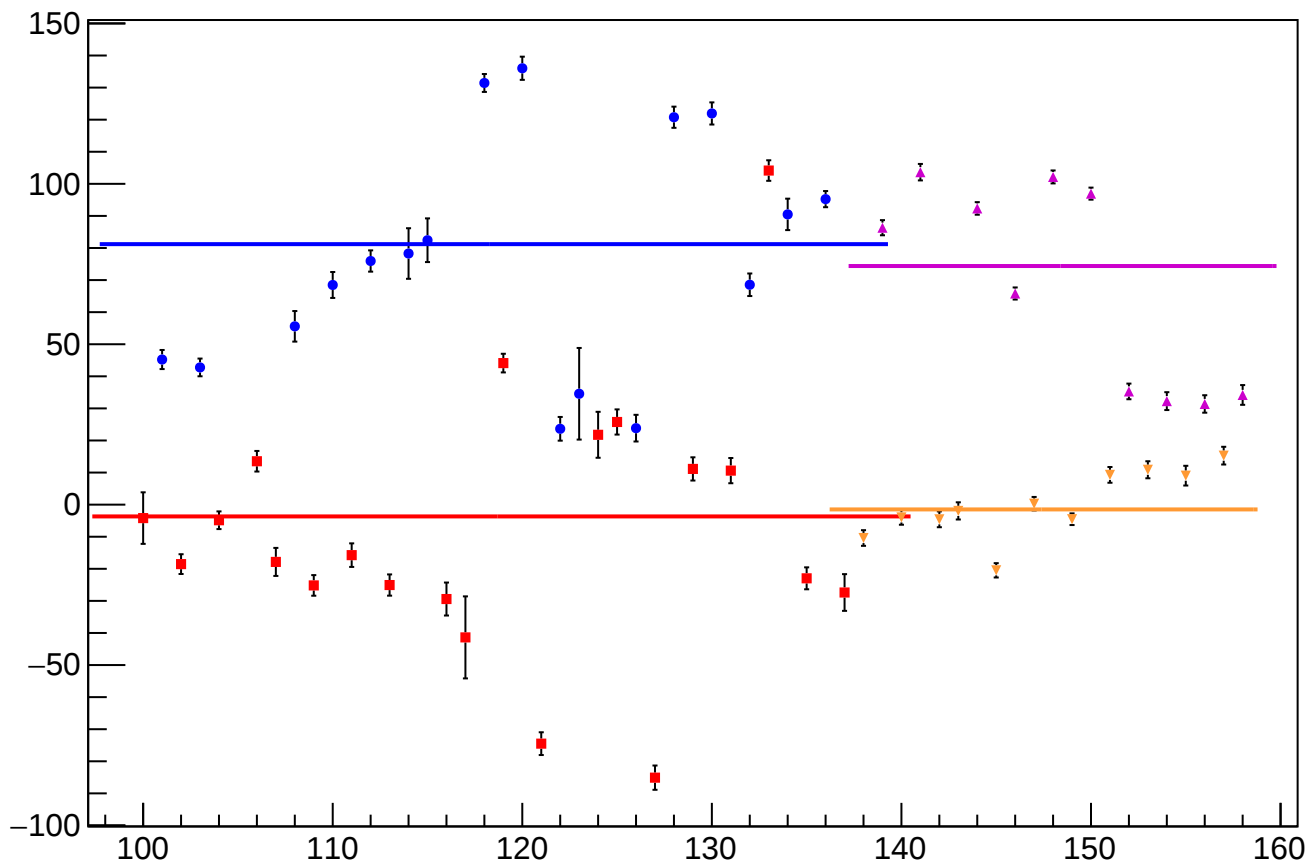
Right Out: 1.729+/-0.001 χ^2/NDF : 10829914.3/19

Left In: 315.346+/-0.079 χ^2/NDF : 223776.1/9

1.802+/-0.001 χ^2/NDF : 27044840.9/27

1.823+/-0.001 χ^2/NDF : 26812075.7/29

diff_bpm0i01X_mean vs Slug



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

Left Out: -1.491 $\pm$ 0.719 χ^2 /NDF:181.3/10

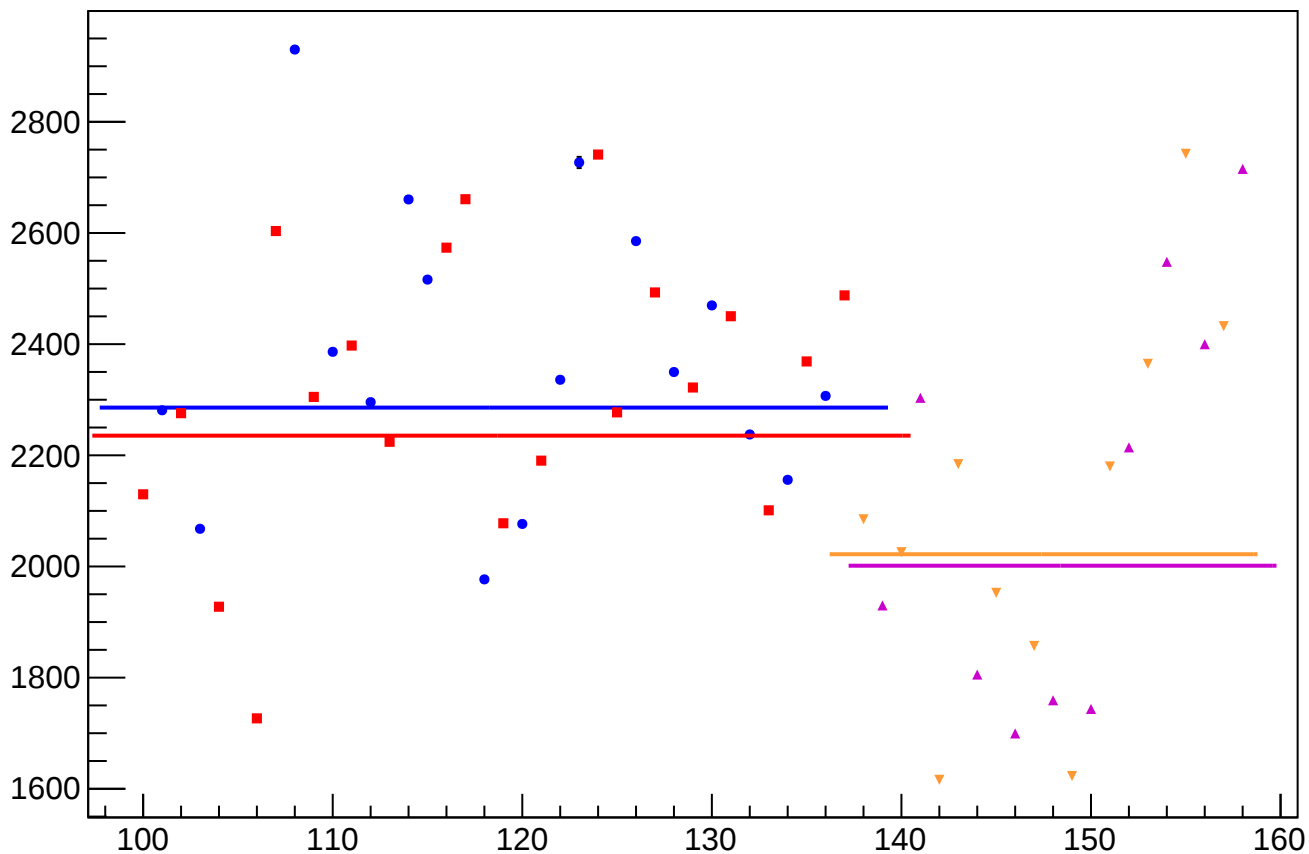
Right Out: -3.672 $\pm$ 0.841 χ^2 /NDF: 2607.8/19

Left In: 74.382 $\pm$ 0.718 χ^2 /NDF:1498.9/9

31.343 $\pm$ 0.558 χ^2 /NDF: 7146.8/27

41.456 $\pm$ 0.546 χ^2 /NDF: 9090.6/29

diff_bpm0i01X_rms vs Slug



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

Left Out: 2022.023+/-0.508 χ^2/NDF : 369028.2/10

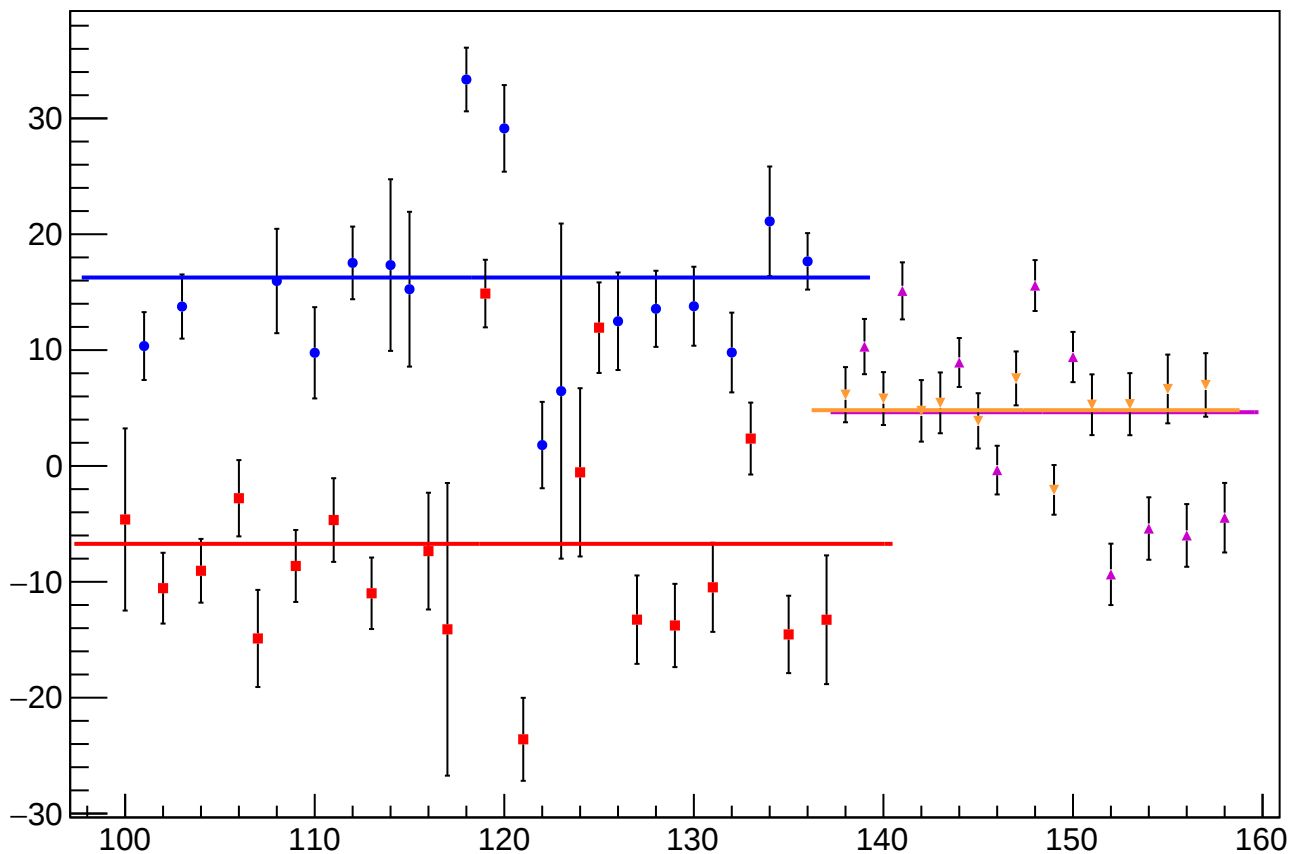
Right Out: 2235.394+/-0.594 χ^2/NDF : 149072.1/19

Left In: 2001.393+/-0.508 χ^2/NDF : 409857.8/9

2126.780+/-0.395 χ^2/NDF : 585367.5/27

2100.103+/-0.386 χ^2/NDF : 648516.1/29

diff_bpm0i01Y_mean vs Slug



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

Left Out: 4.814 $\pm$ 0.753 χ^2 /NDF:13.5/10

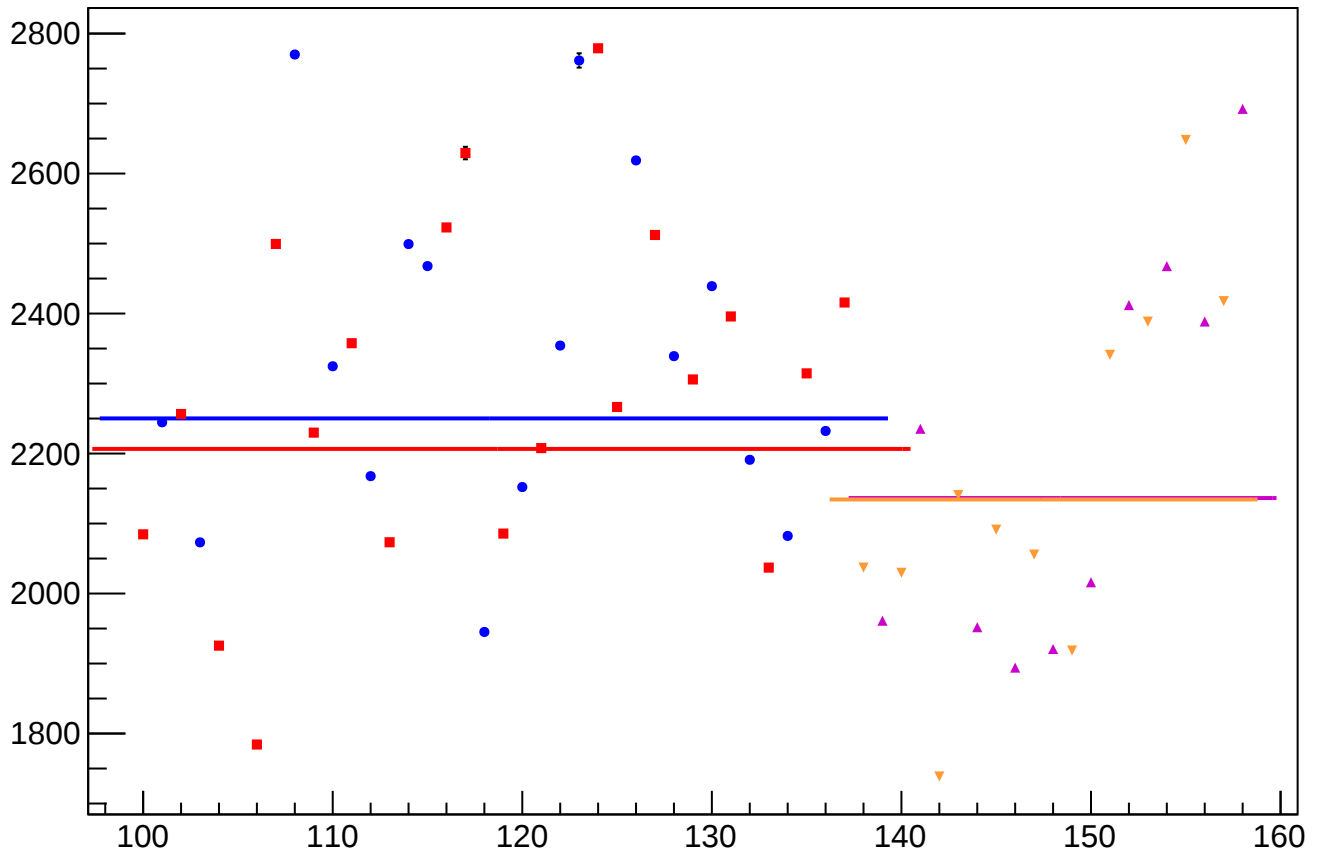
Right Out: -6.722 $\pm$ 0.829 χ^2 /NDF: 134.3/19

Left In: 4.638 $\pm$ 0.758 χ^2 /NDF:129.5/9

9.707 $\pm$ 0.570 χ^2 /NDF: 193.2/27

-0.538 $\pm$ 0.560 χ^2 /NDF: 366.0/29

diff_bpm0i01Y_rms vs Slug



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

Left Out: 2134.379 ± 0.532 χ^2/NDF : 186895.5/10

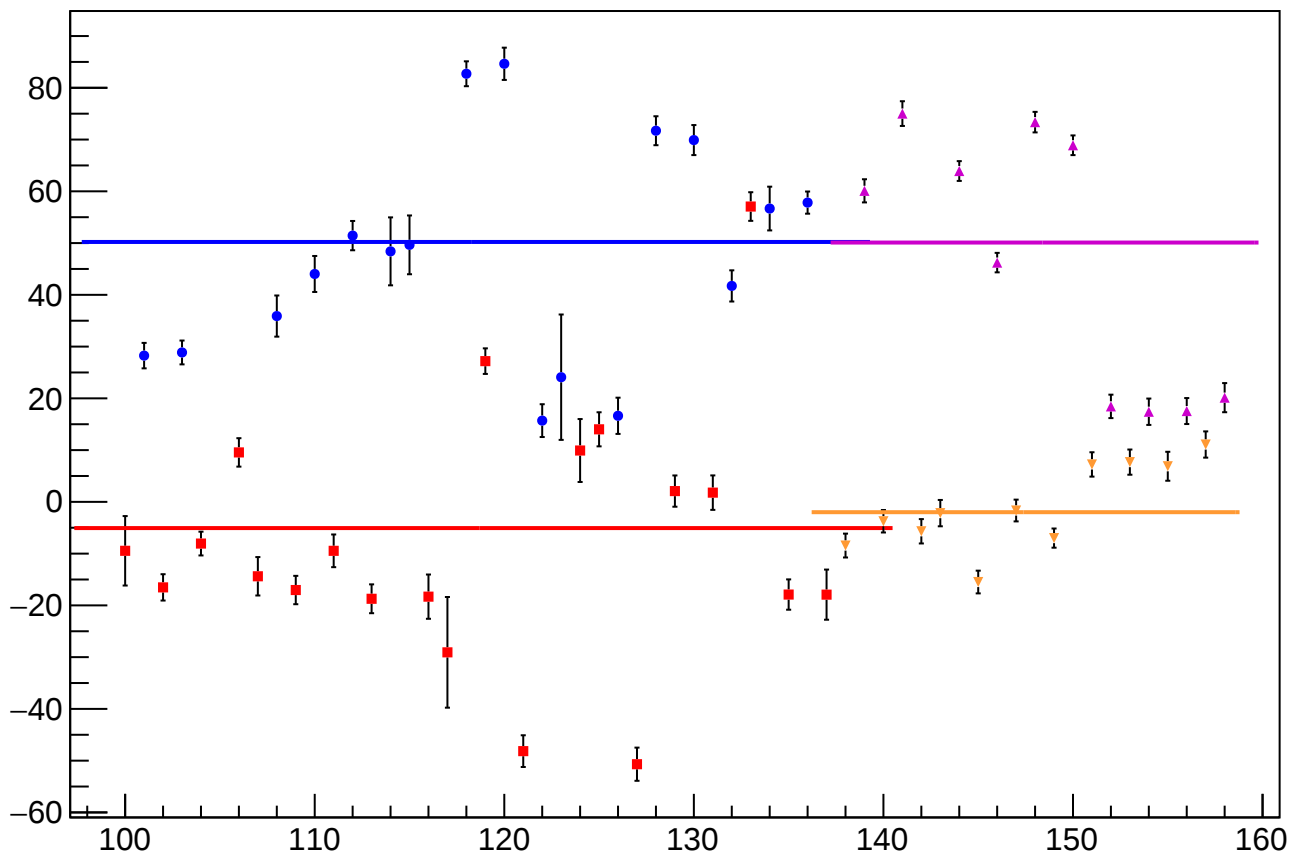
Right Out: 2206.617 ± 0.586 χ^2/NDF : 128476.5/19

Left In: 2136.401 ± 0.536 χ^2/NDF : 219108.6/9

2183.861 ± 0.403 χ^2/NDF : 304693.9/27

2168.391 ± 0.396 χ^2/NDF : 355397.0/29

diff_bpm0i01aX_mean vs Slug



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

Left Out: -1.994+/-0.691 χ^2/NDF : 123.8/10

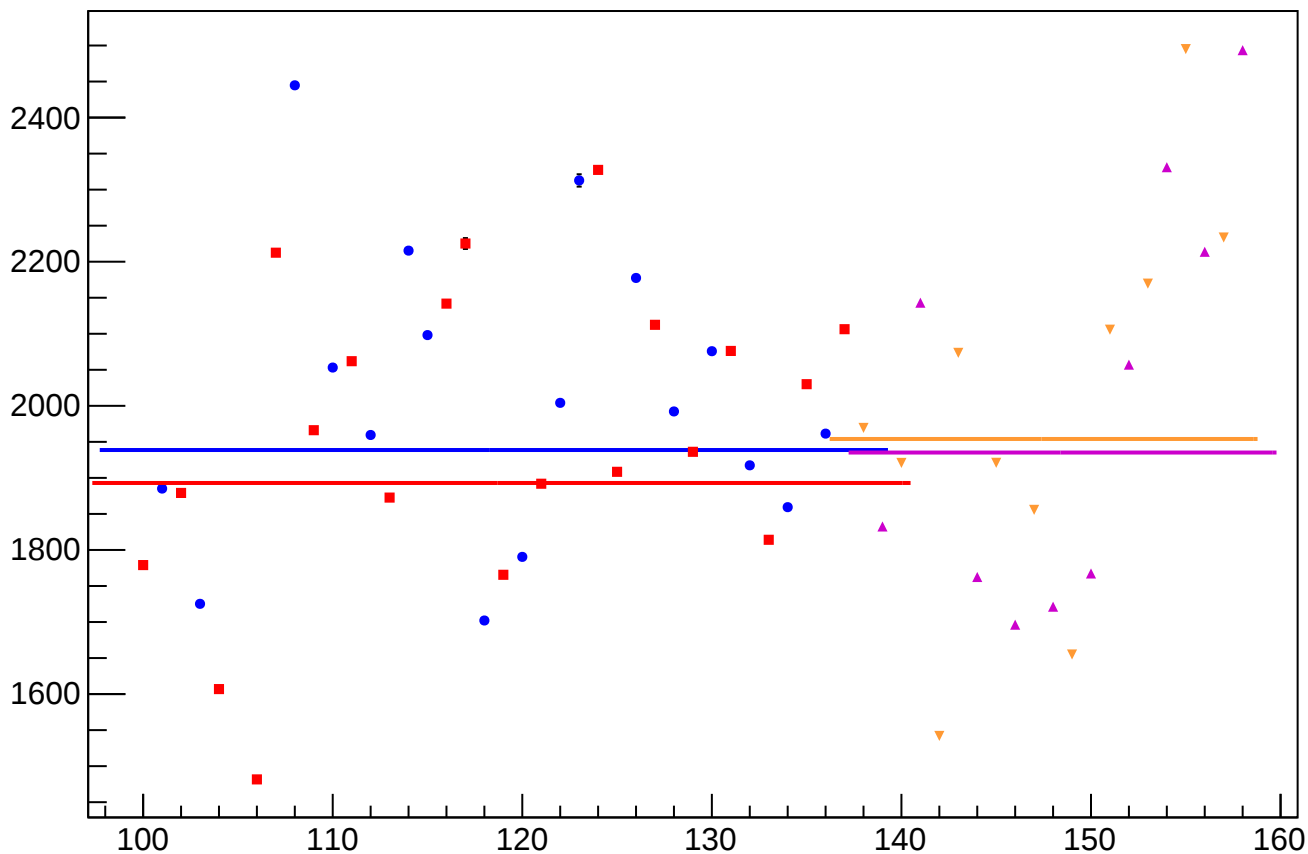
Right Out: -5.065+/-0.712 χ^2/NDF : 1267.6/19

Left In: 50.101+/-0.691 χ^2/NDF : 1062.5/9

21.955+/-0.508 χ^2/NDF : 3571.7/27

23.350+/-0.496 χ^2/NDF : 5423.9/29

diff_bpm0i01aX_rms vs Slug



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

Left Out: 1954.007+/-0.489 χ^2/NDF : 246396.6/10

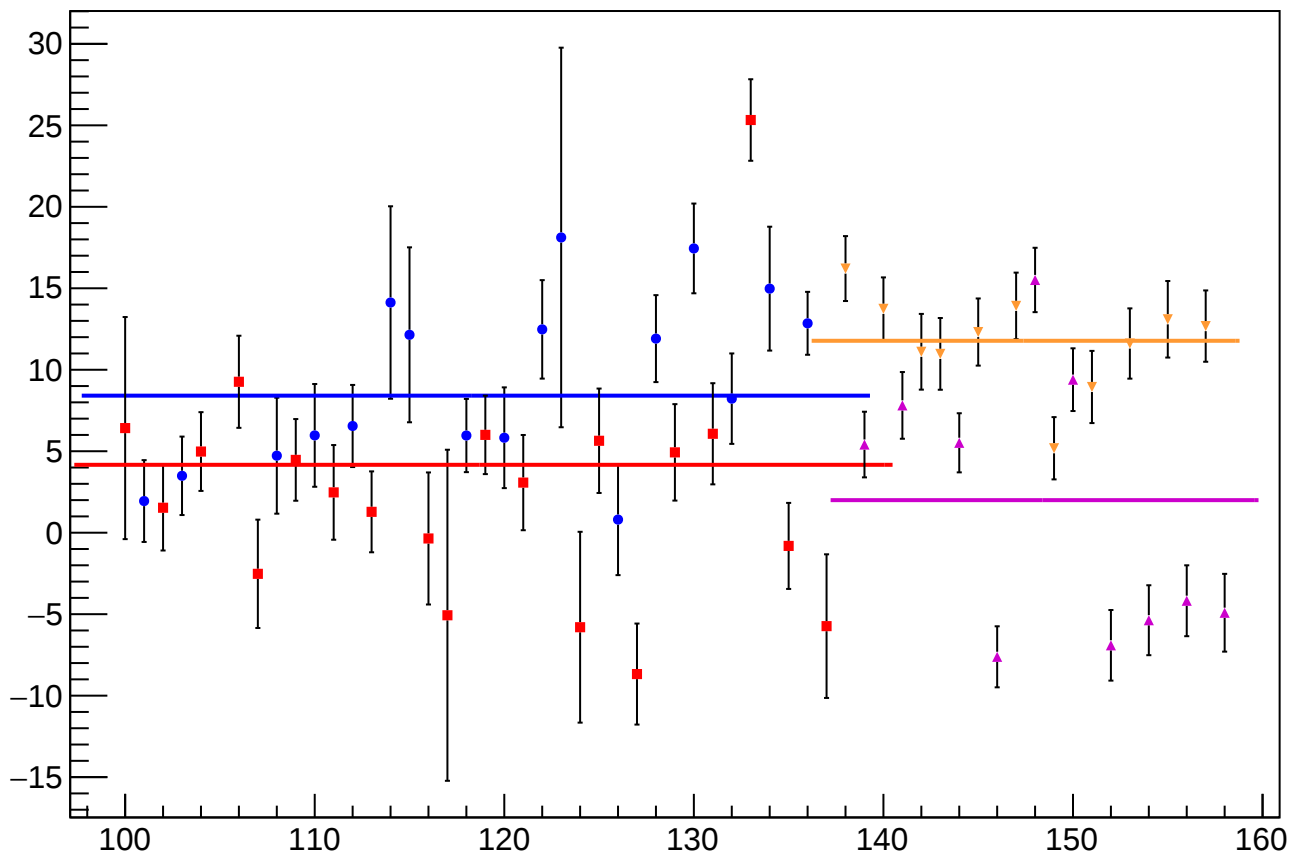
Right Out: 1892.946+/-0.503 χ^2/NDF : 148563.2/19

Left In: 1935.189+/-0.488 χ^2/NDF : 264265.8/9

1946.980+/-0.360 χ^2/NDF : 346990.4/27

1914.705+/-0.351 χ^2/NDF : 416457.1/29

diff_bpm0i01aY_mean vs Slug



Right In: 8.411 ± 0.711 $\chi^2/\text{NDF}: 44.6/16$

Left Out: 11.778 ± 0.636 $\chi^2/\text{NDF}: 21.4/10$

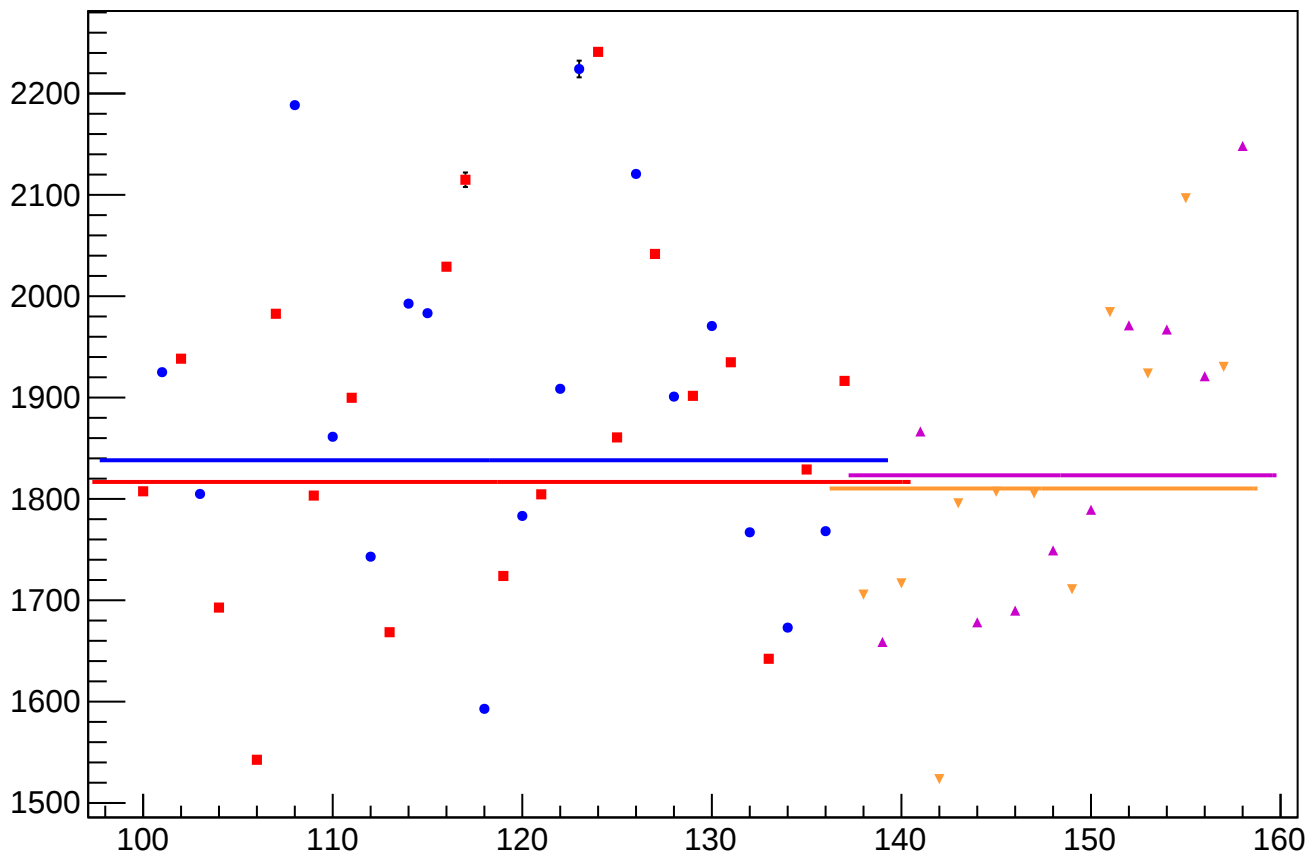
Right Out: 4.167 ± 0.681 $\chi^2/\text{NDF}: 113.9/19$

Left In: 1.998 ± 0.643 $\chi^2/\text{NDF}: 147.7/9$

10.282 ± 0.474 $\chi^2/\text{NDF}: 78.4/27$

3.021 ± 0.468 $\chi^2/\text{NDF}: 267.0/29$

diff_bpm0i01aY_rms vs Slug



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

Left Out: 1810.289 $\pm$ 0.450 χ^2 /NDF: 99831.1/10

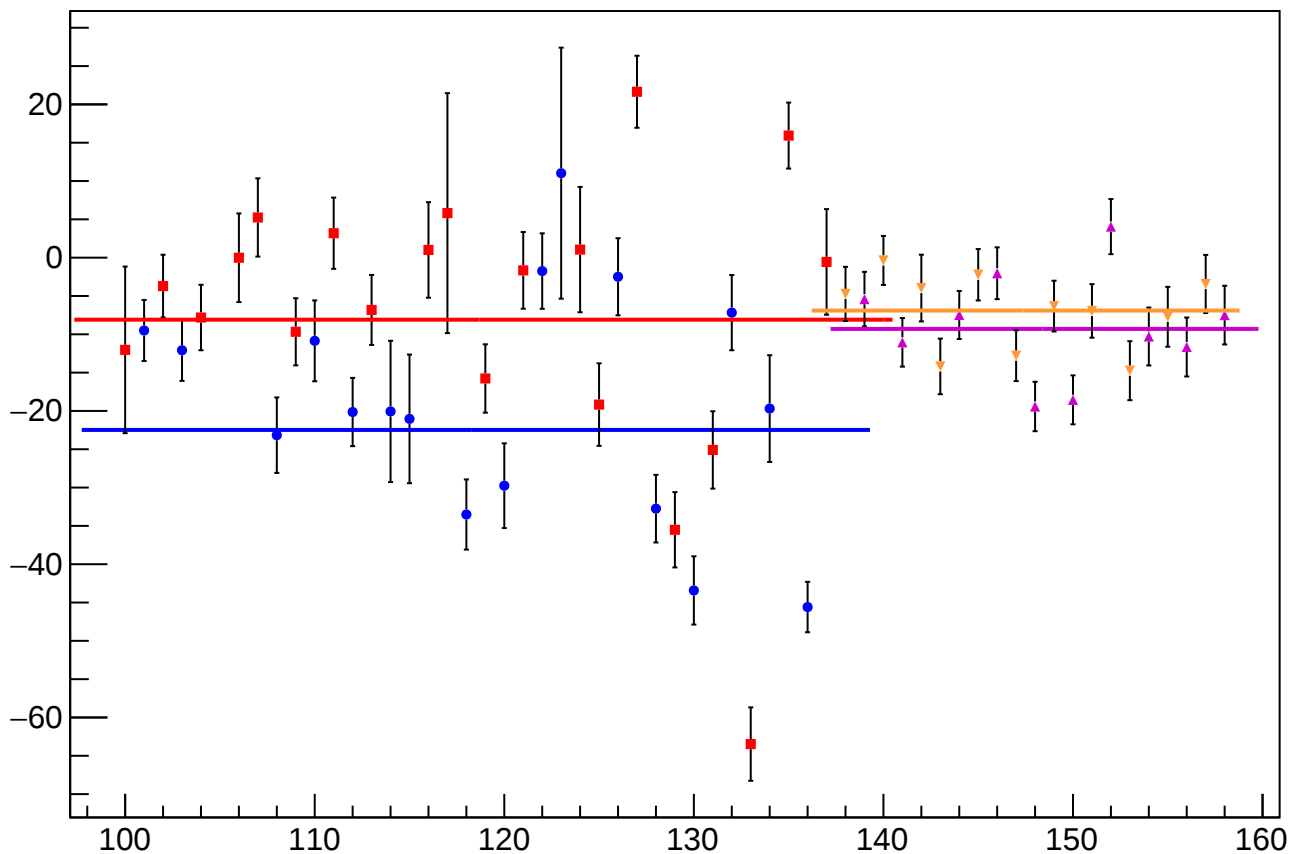
Right Out: 1816.748 $\pm$ 0.481 χ^2 /NDF: 89149.7/19

Left In: 1823.298 $\pm$ 0.455 χ^2 /NDF: 100015.0/9

1822.671 $\pm$ 0.335 χ^2 /NDF: 184413.8/27

1820.209 $\pm$ 0.331 χ^2 /NDF: 189262.5/29

diff_bpm0l01X_mean vs Slug



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

Left Out: -6.902 ± 1.077 χ^2/NDF : 19.2/10

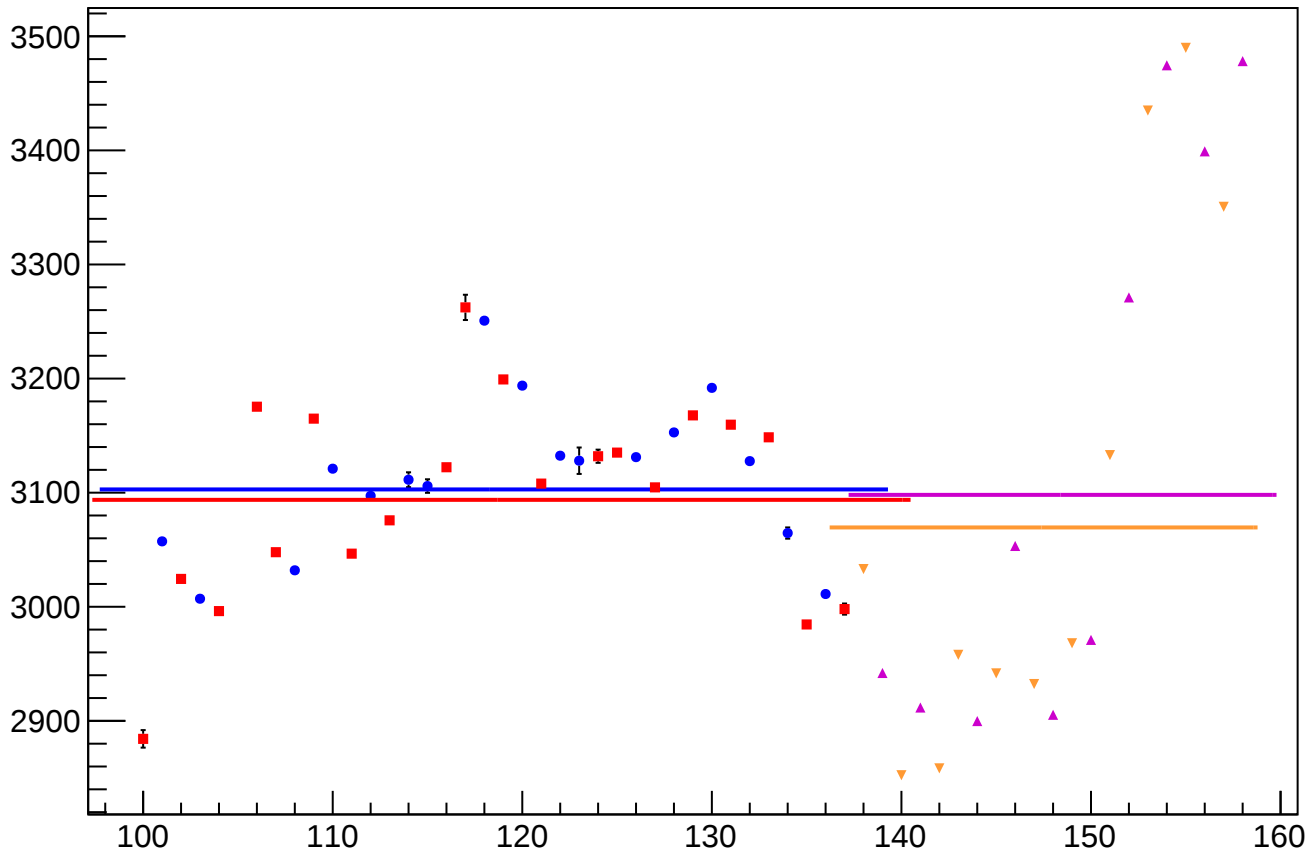
Right Out: -8.093 ± 1.153 χ^2/NDF : 277.7/19

Left In: -9.298 ± 1.088 χ^2/NDF : 39.2/9

-13.884 ± 0.800 χ^2/NDF : 267.7/27

-8.731 ± 0.791 χ^2/NDF : 317.4/29

diff_bpm0l01X_rms vs Slug



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

Left Out: 3069.522 $\pm$ 0.762 χ^2 /NDF: 77082.1/10

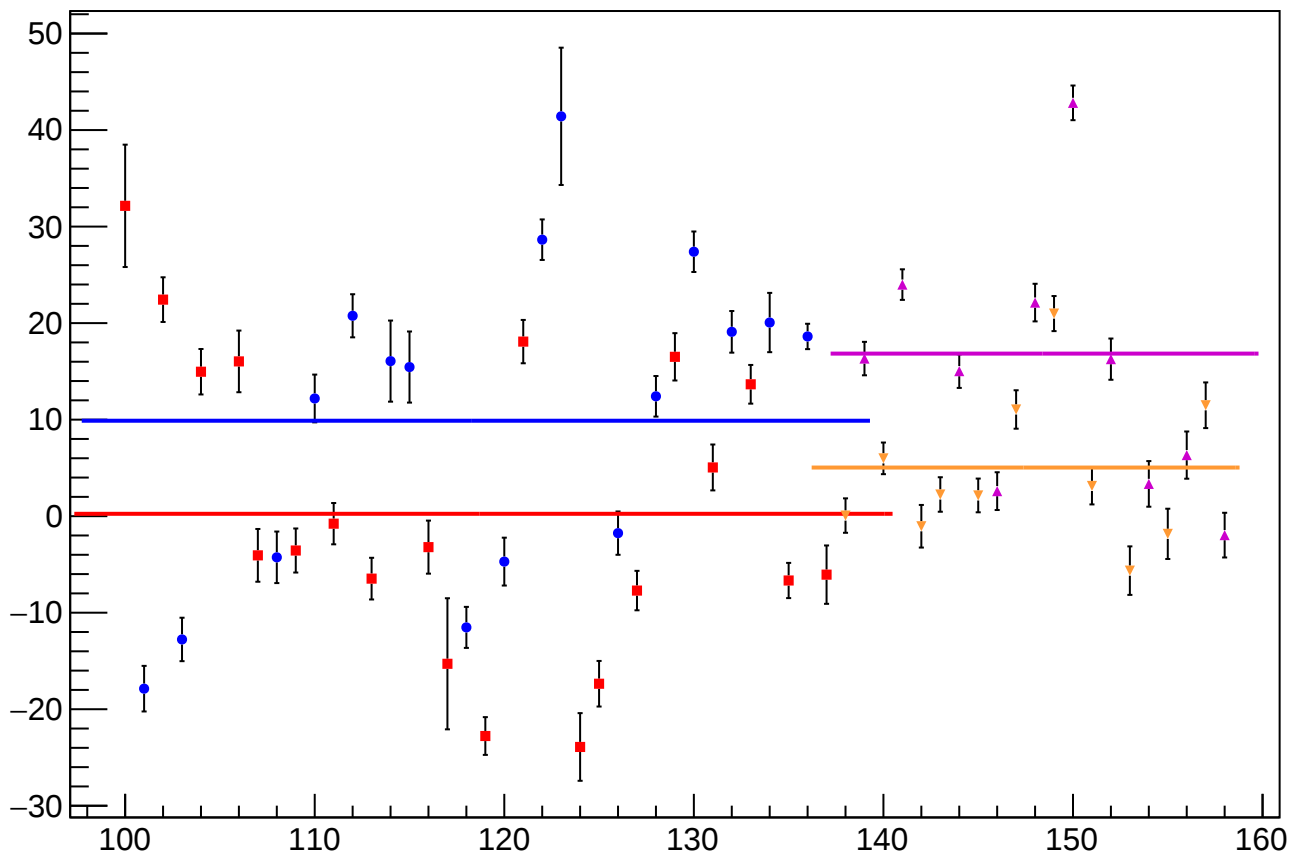
Right Out: 3093.715 $\pm$ 0.816 χ^2 /NDF: 7996.8/19

Left In: 3098.075 $\pm$ 0.769 χ^2 /NDF: 85854.3/9

3084.461 $\pm$ 0.566 χ^2 /NDF: 85285.4/27

3096.023 $\pm$ 0.560 χ^2 /NDF: 93866.3/29

diff_bpm0l01Y_mean vs Slug



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

Left Out: 5.037 ± 0.593 χ^2/NDF : 140.6/10

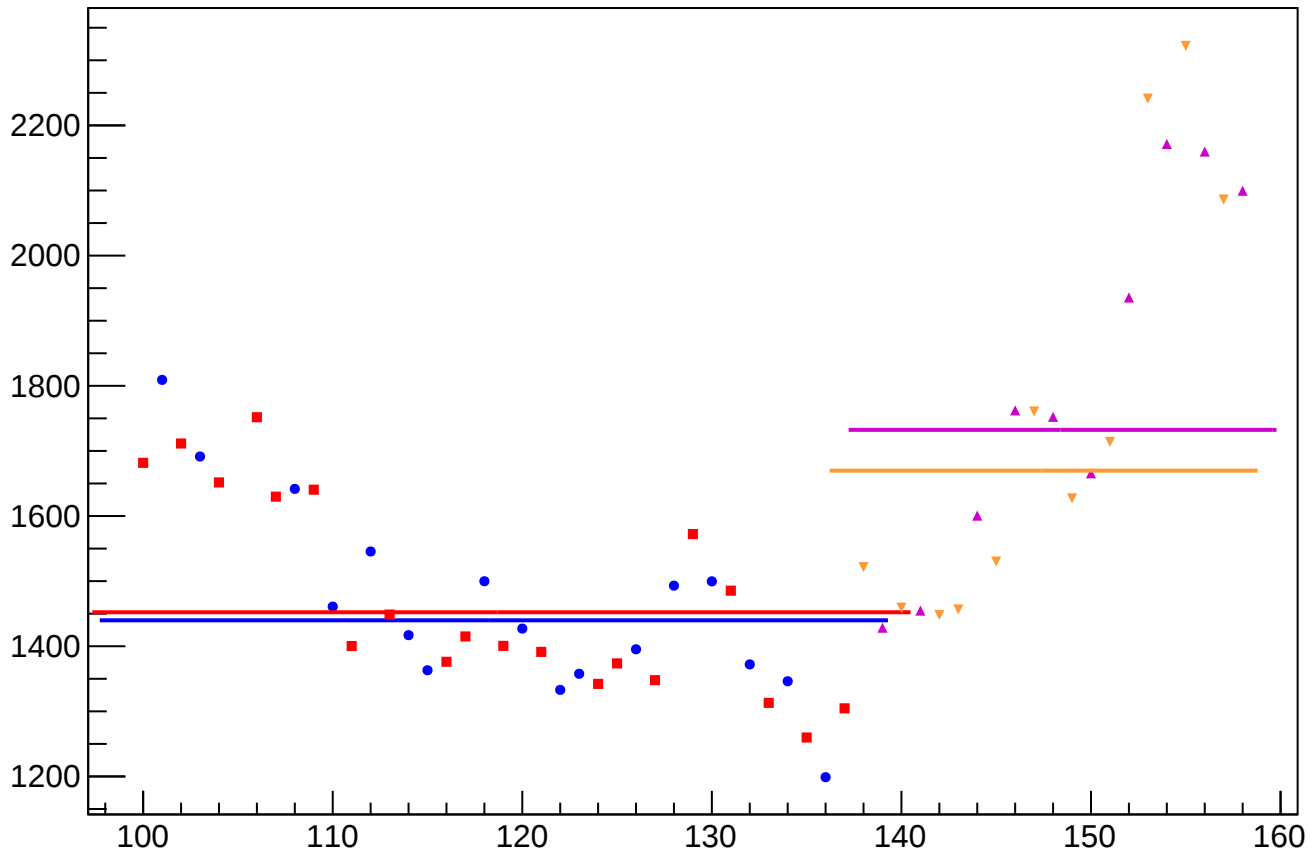
Right Out: 0.245 ± 0.545 χ^2/NDF : 634.1/19

Left In: 16.841 ± 0.614 χ^2/NDF : 408.4/9

7.603 ± 0.407 χ^2/NDF : 879.6/27

7.555 ± 0.408 χ^2/NDF : 1450.8/29

diff_bpm0l01Y_rms vs Slug



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

Left Out: 1669.757 $\pm$ 0.419 χ^2 /NDF: 405421.3/10

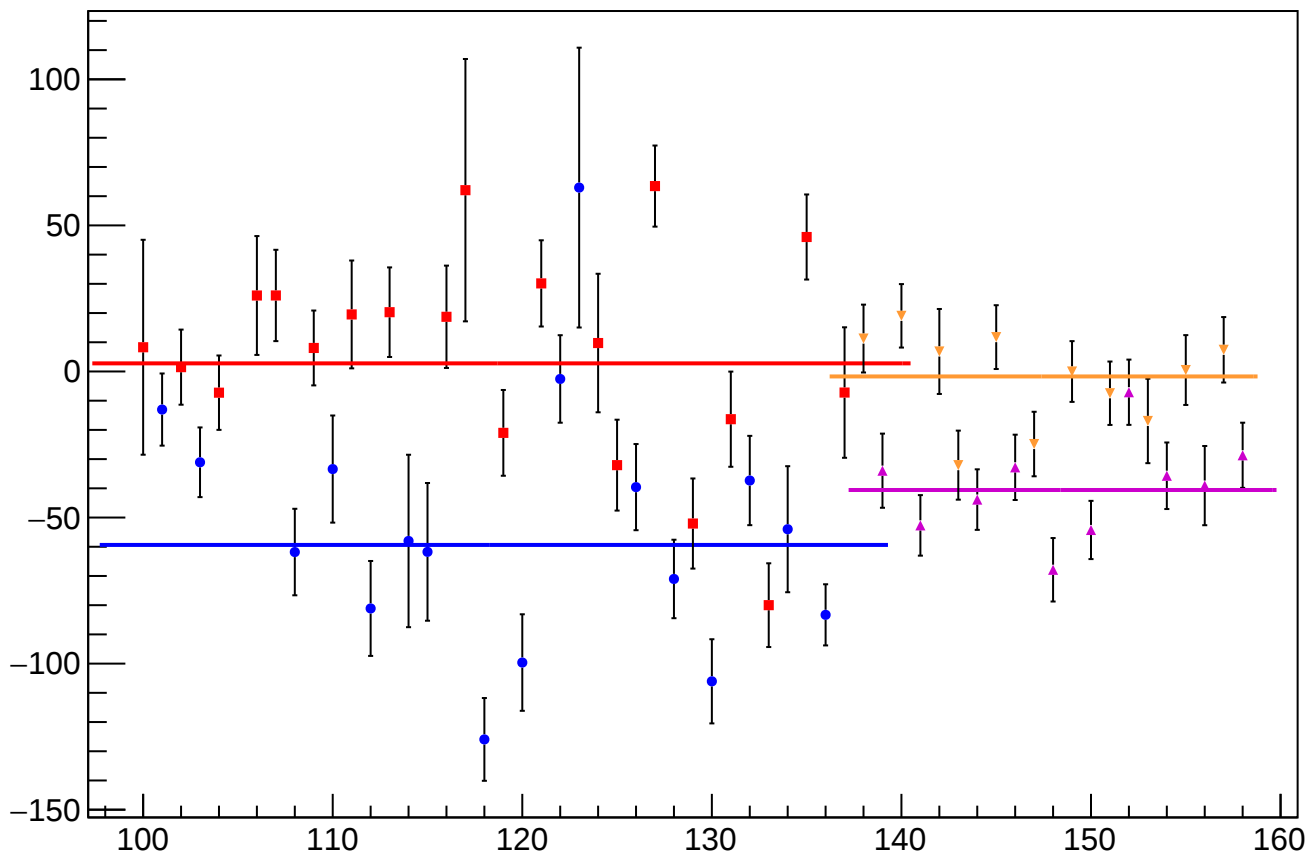
Right Out: 1452.211 $\pm$ 0.385 χ^2 /NDF: 138579.9/19

Left In: 1732.383 $\pm$ 0.434 χ^2 /NDF: 336388.0/9

1548.144 $\pm$ 0.288 χ^2 /NDF: 737376.5/27

1575.615 $\pm$ 0.288 χ^2 /NDF: 707672.6/29

diff_bpm0l02X_mean vs Slug



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

Left Out: -1.703 ± 3.495 $\chi^2/\text{NDF}: 19.9/10$

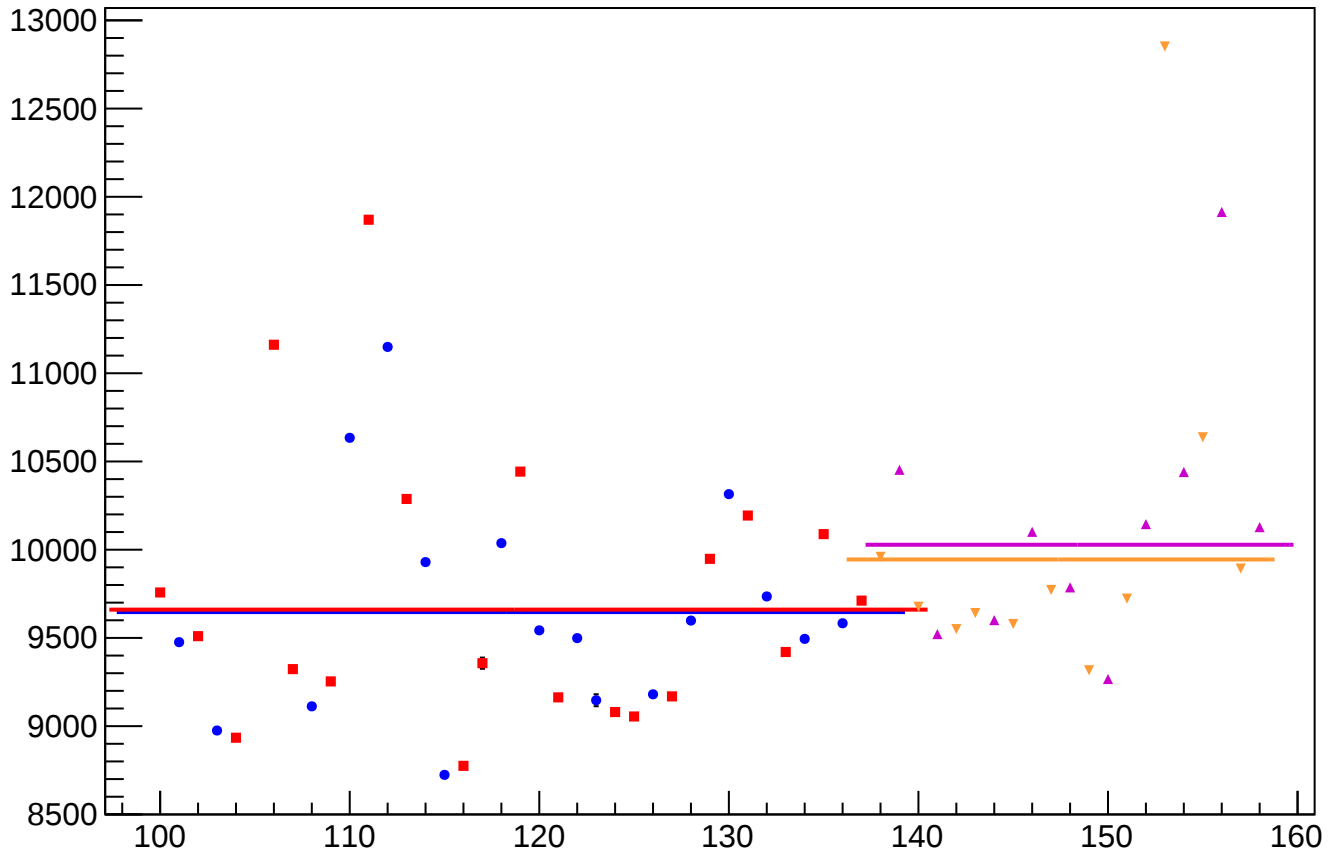
Right Out: 2.776 ± 3.618 $\chi^2/\text{NDF}: 95.7/19$

Left In: -40.571 ± 3.523 $\chi^2/\text{NDF}: 20.7/9$

-28.674 ± 2.550 $\chi^2/\text{NDF}: 240.1/27$

-19.475 ± 2.524 $\chi^2/\text{NDF}: 190.1/29$

diff_bpm0l02X_rms vs Slug



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

Left Out: 9944.556 ± 2.471 χ^2/NDF : 102616.3/10

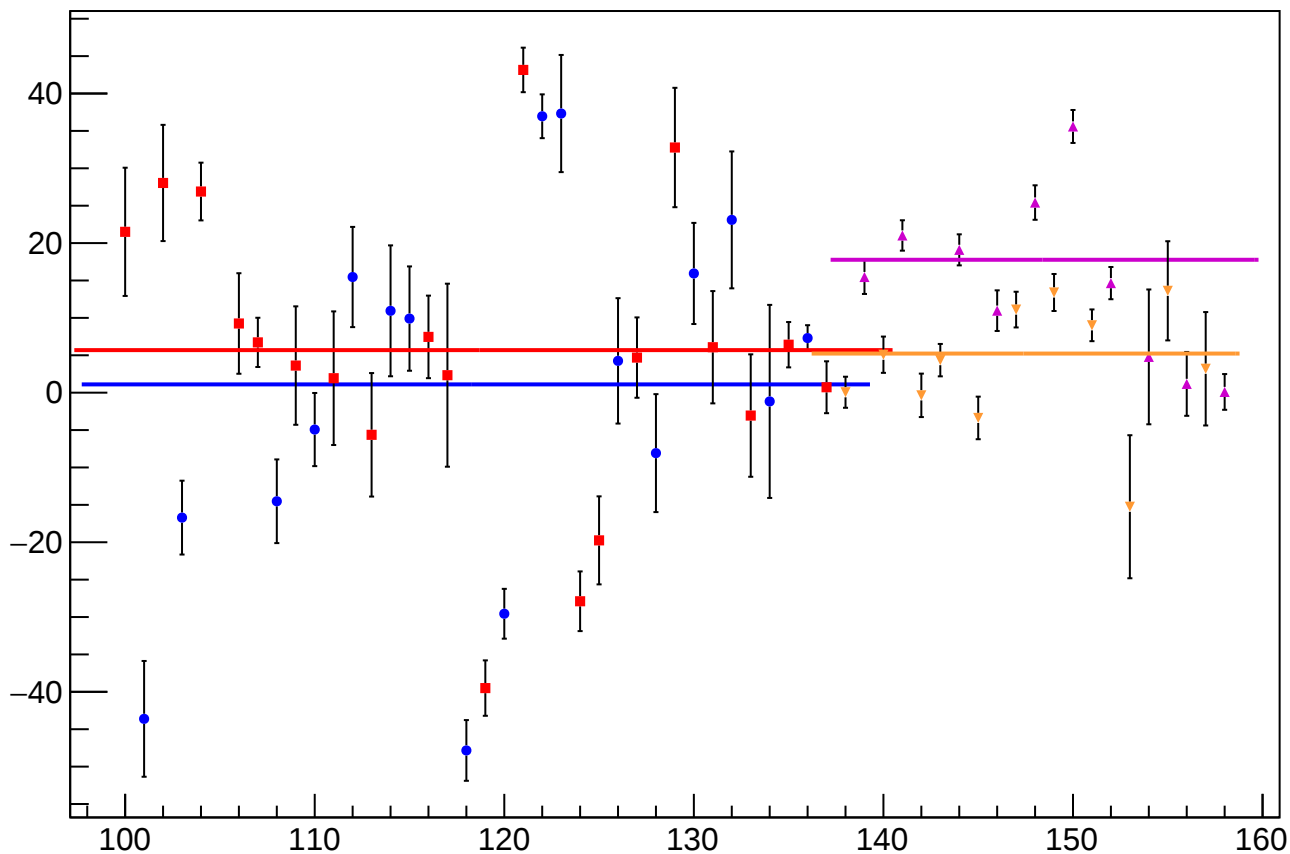
Right Out: 9660.380 ± 2.558 χ^2/NDF : 77676.0/19

Left In: 10027.965 ± 2.491 χ^2/NDF : 64847.5/9

9805.155 ± 1.803 χ^2/NDF : 153479.9/27

9849.070 ± 1.785 χ^2/NDF : 153121.7/29

diff_bpm0l02Y_mean vs Slug



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

Left Out: 5.229 ± 0.825 $\chi^2/\text{NDF}: 45.6/10$

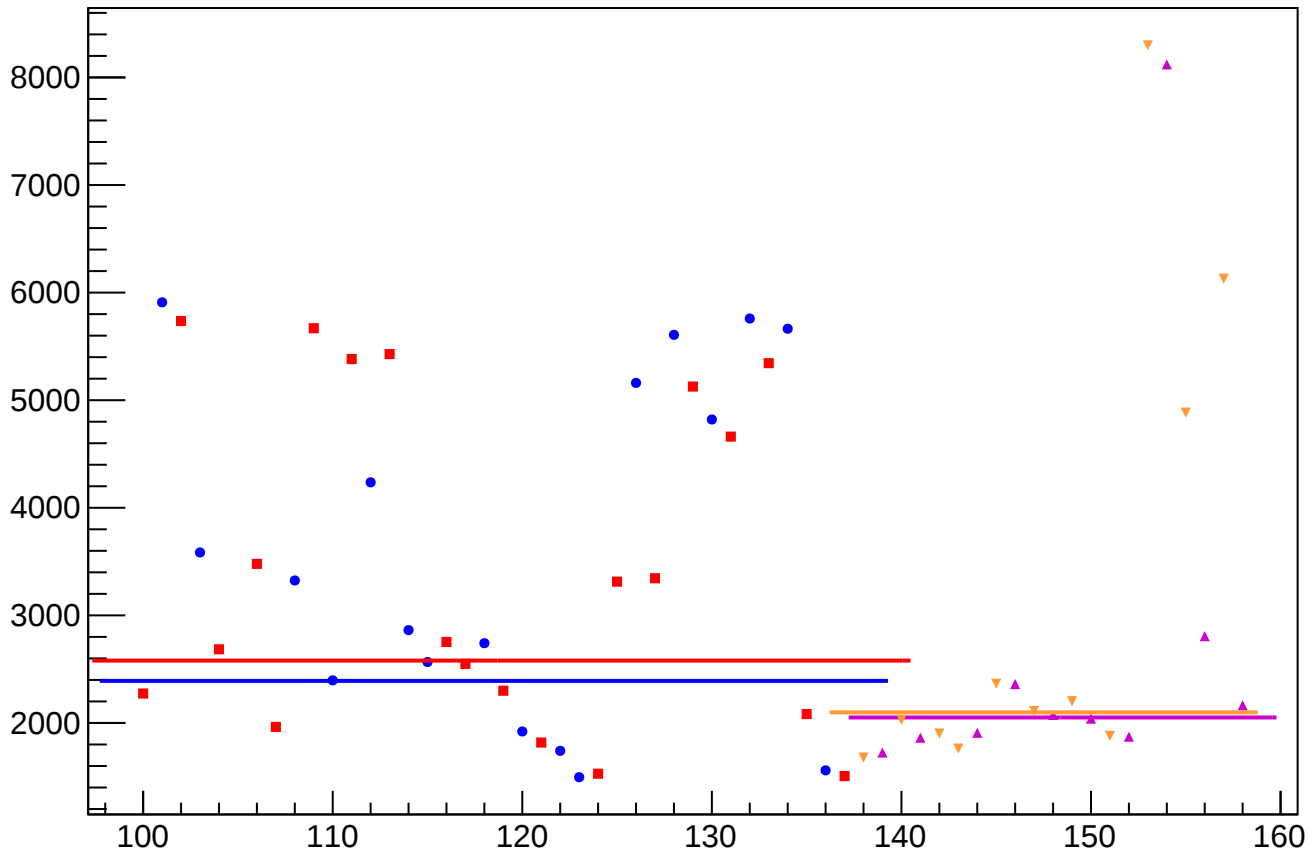
Right Out: 5.689 ± 1.087 $\chi^2/\text{NDF}: 456.0/19$

Left In: 17.770 ± 0.777 $\chi^2/\text{NDF}: 160.7/9$

3.685 ± 0.653 $\chi^2/\text{NDF}: 544.6/27$

13.683 ± 0.632 $\chi^2/\text{NDF}: 698.5/29$

diff_bpm0l02Y_rms vs Slug



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

Left Out: 2098.739 $\pm$ 0.583 χ^2 /NDF:1942148.4/10

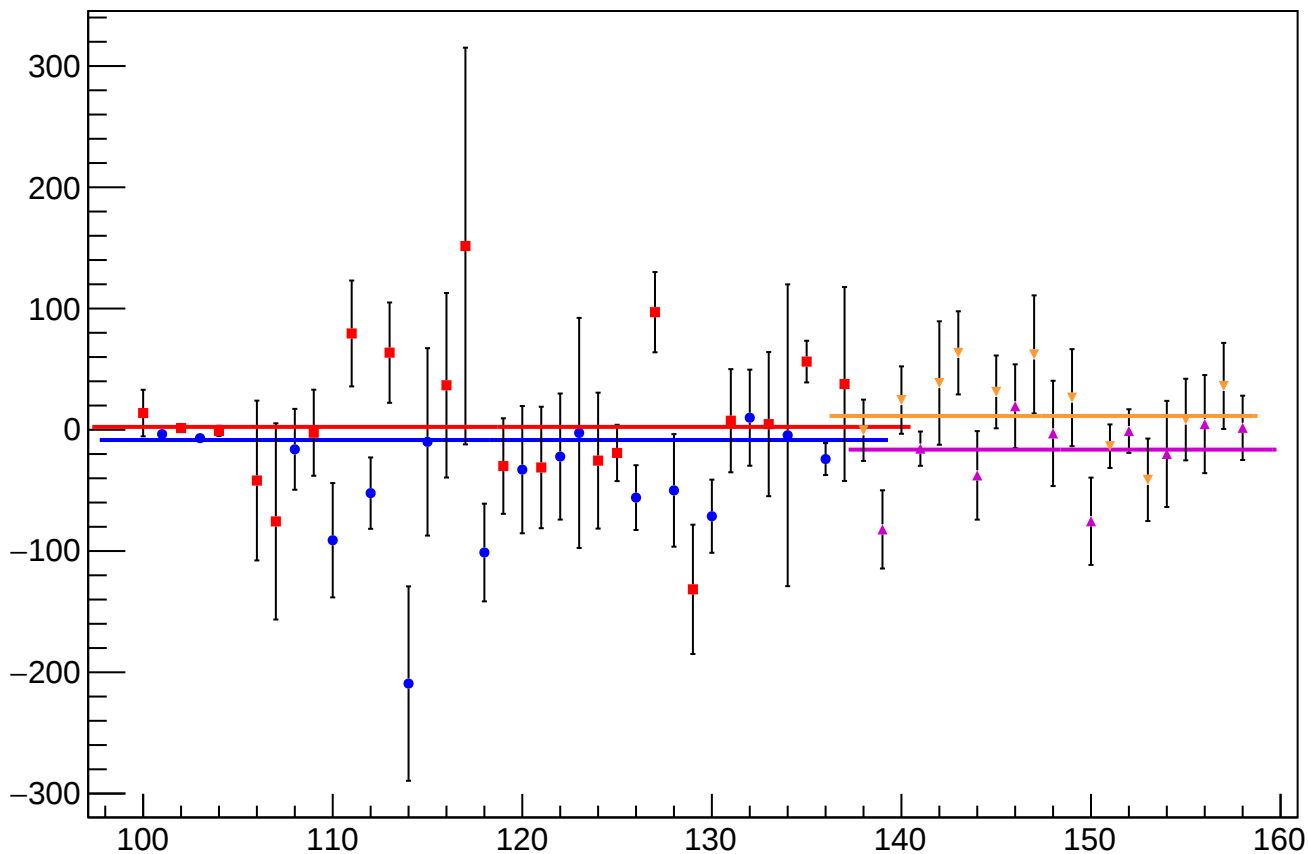
Right Out: 2579.794 $\pm$ 0.768 χ^2 /NDF: 2365284.2/19

Left In: 2051.071 $\pm$ 0.549 χ^2 /NDF:1082272.7/9

2208.228 $\pm$ 0.461 χ^2 /NDF: 4636764.5/27

2229.930 $\pm$ 0.447 χ^2 /NDF: 3760782.2/29

diff_bpm0l03X_mean vs Slug



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

Left Out: 11.425 ± 9.167 χ^2/NDF : 9.5/10

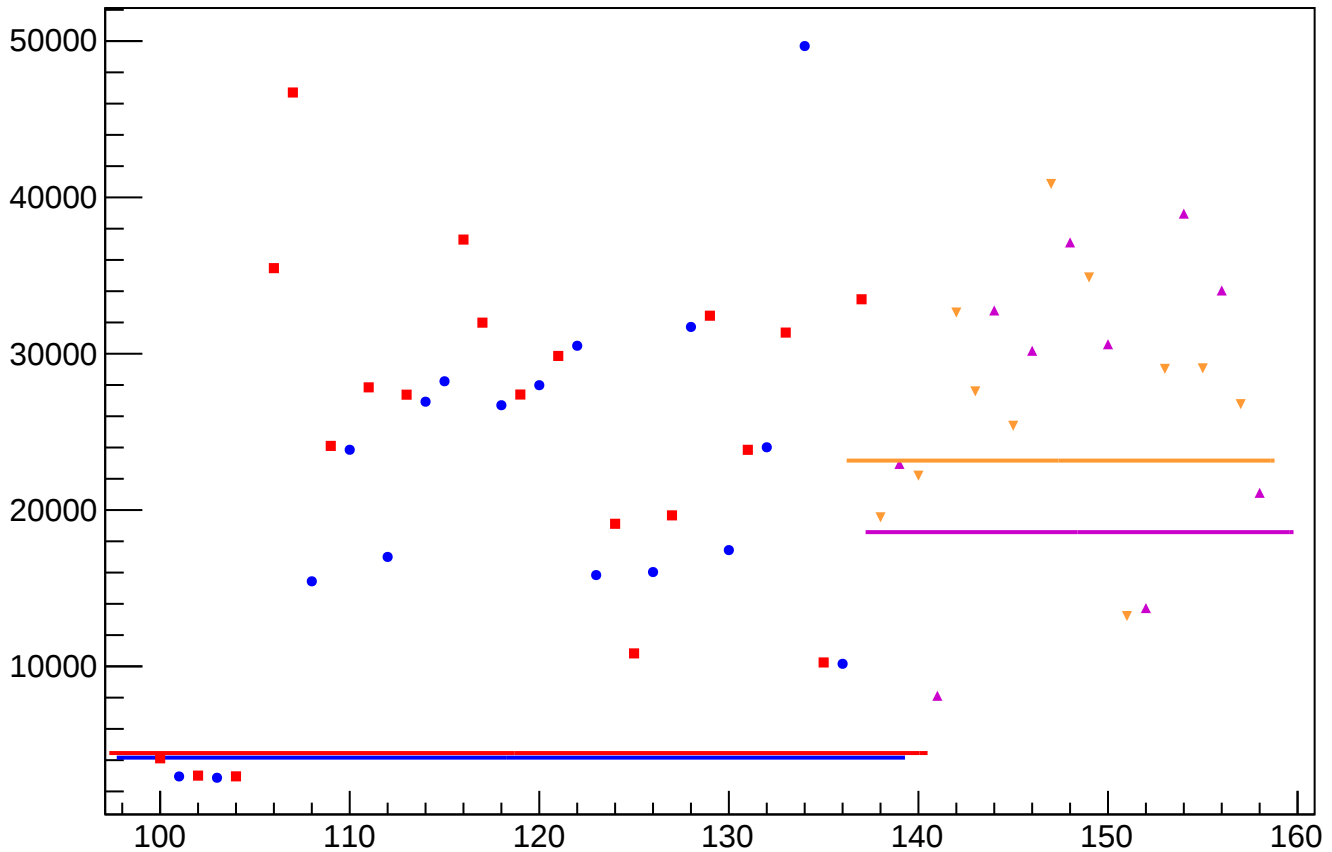
Right Out: 2.392 ± 2.786 χ^2/NDF : 35.5/19

Left In: -16.344 ± 8.307 χ^2/NDF : 9.8/9

-6.965 ± 2.490 χ^2/NDF : 42.8/27

0.497 ± 2.642 χ^2/NDF : 49.9/29

diff_bpm0l03X_rms vs Slug



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

Left Out: 23163.893+/-6.482 χ^2/NDF :1349367.0/10

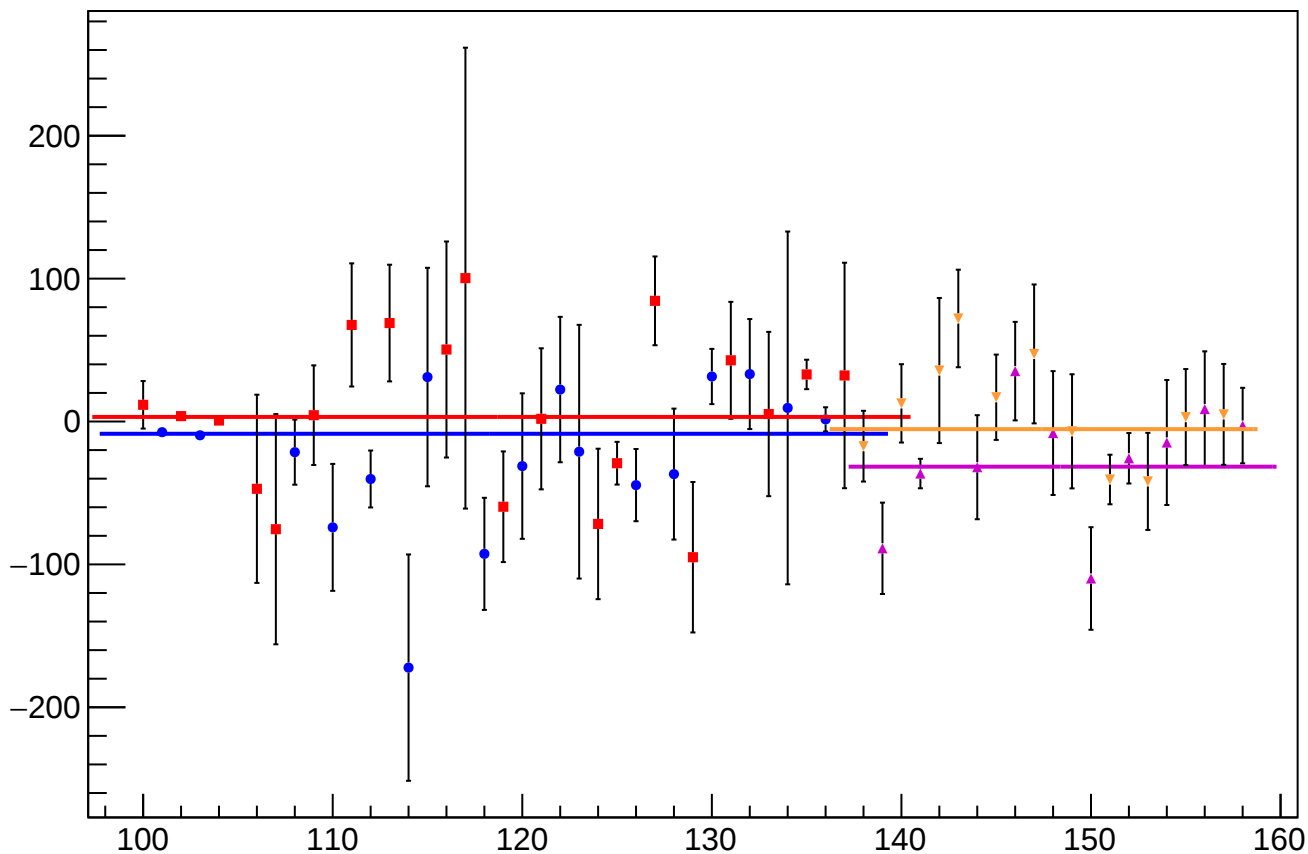
Right Out: 4455.114+/-1.970 χ^2/NDF : 7483602.5/19

Left In: 18587.150+/-5.874 χ^2/NDF :3135424.5/9

5564.547+/-1.761 χ^2/NDF : 15299262.4/27

5884.494+/-1.868 χ^2/NDF : 15822431.3/29

diff_bpm0l03Y_mean vs Slug



Right In: -8.586 ± 1.778 $\chi^2/\text{NDF}: 24.4/16$

Left Out: -5.332 ± 9.032 $\chi^2/\text{NDF}: 13.6/10$

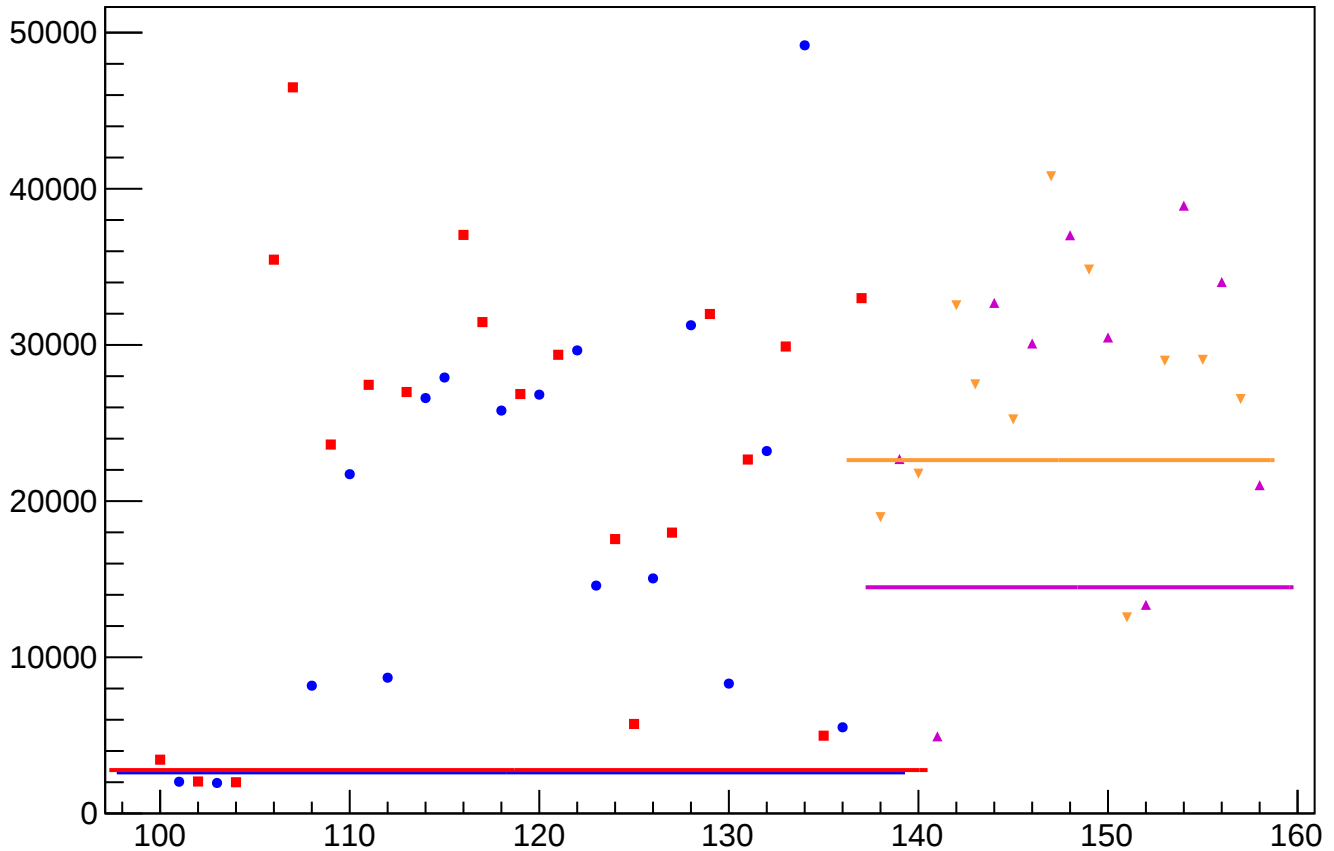
Right Out: 3.208 ± 1.922 $\chi^2/\text{NDF}: 37.2/19$

Left In: -31.607 ± 7.243 $\chi^2/\text{NDF}: 14.7/9$

-8.465 ± 1.744 $\chi^2/\text{NDF}: 38.2/27$

0.918 ± 1.858 $\chi^2/\text{NDF}: 73.5/29$

diff_bpm0l03Y_rms vs Slug



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

Left Out: 22625.191+/-6.387 χ^2/NDF :1485621.0/10

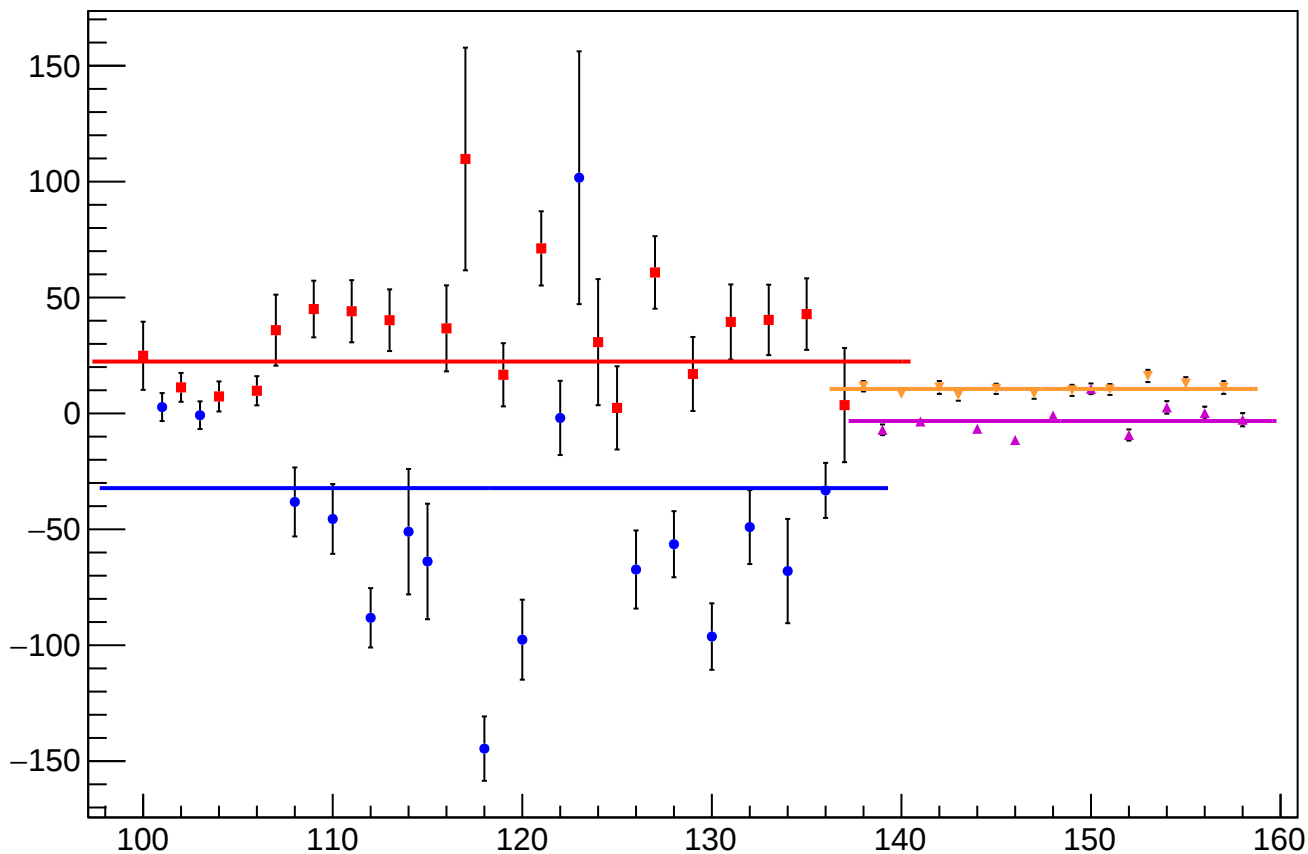
Right Out: 2777.521+/-1.359 χ^2/NDF : 7899165.0/19

Left In: 14484.145+/-5.122 χ^2/NDF :4917278.8/9

3376.215+/-1.233 χ^2/NDF : 16509710.9/27

3547.611+/-1.314 χ^2/NDF : 17696790.4/29

diff_bpm0l04X_mean vs Slug



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

Left Out: 10.565 ± 0.726 χ^2/NDF : 8.8/10

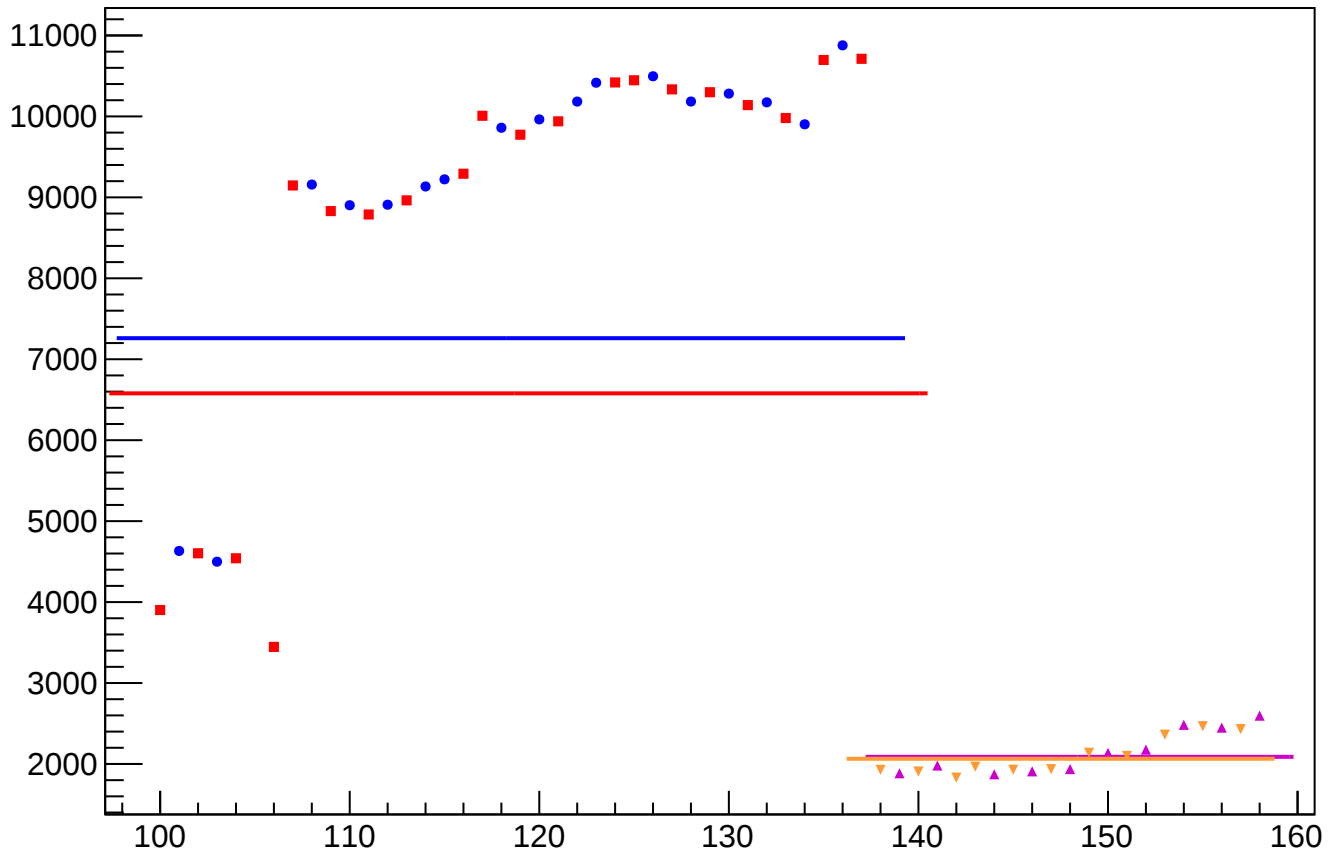
Right Out: 22.381 ± 2.665 χ^2/NDF : 47.0/19

Left In: -3.272 ± 0.737 χ^2/NDF : 71.0/9

8.168 ± 0.706 χ^2/NDF : 406.8/27

-1.451 ± 0.710 χ^2/NDF : 204.0/29

diff_bpm0l04X_rms vs Slug



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

Left Out: 2064.302+/-0.514 χ^2/NDF : 155550.6/10

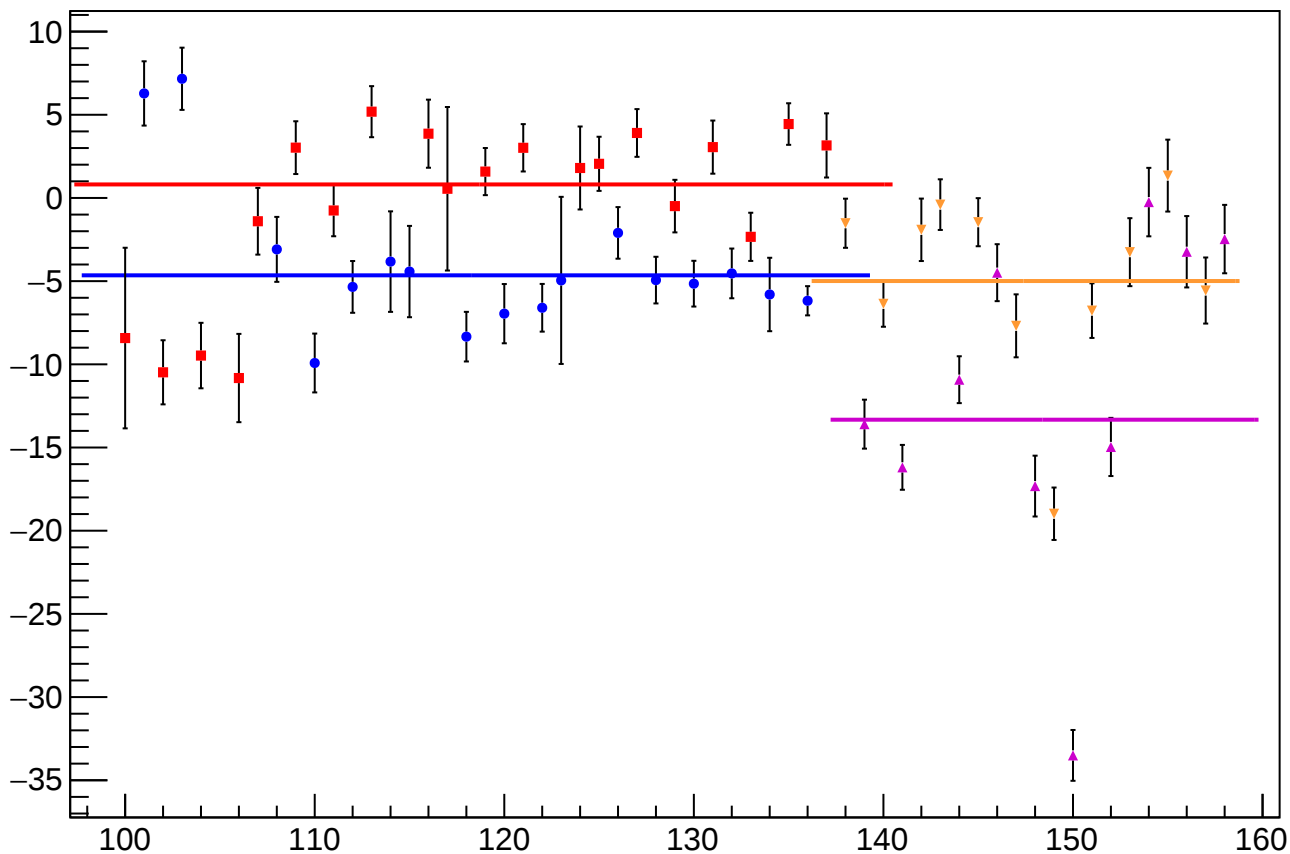
Right Out: 6578.773+/-1.885 χ^2/NDF : 2206772.9/19

Left In: 2088.350+/-0.521 χ^2/NDF : 210876.2/9

2355.407+/-0.499 χ^2/NDF : 7525831.8/27

2407.072+/-0.502 χ^2/NDF : 7692050.0/29

diff_bpm0l04Y_mean vs Slug



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

Left Out: -4.993+/-0.504 χ^2/NDF :115.7/10

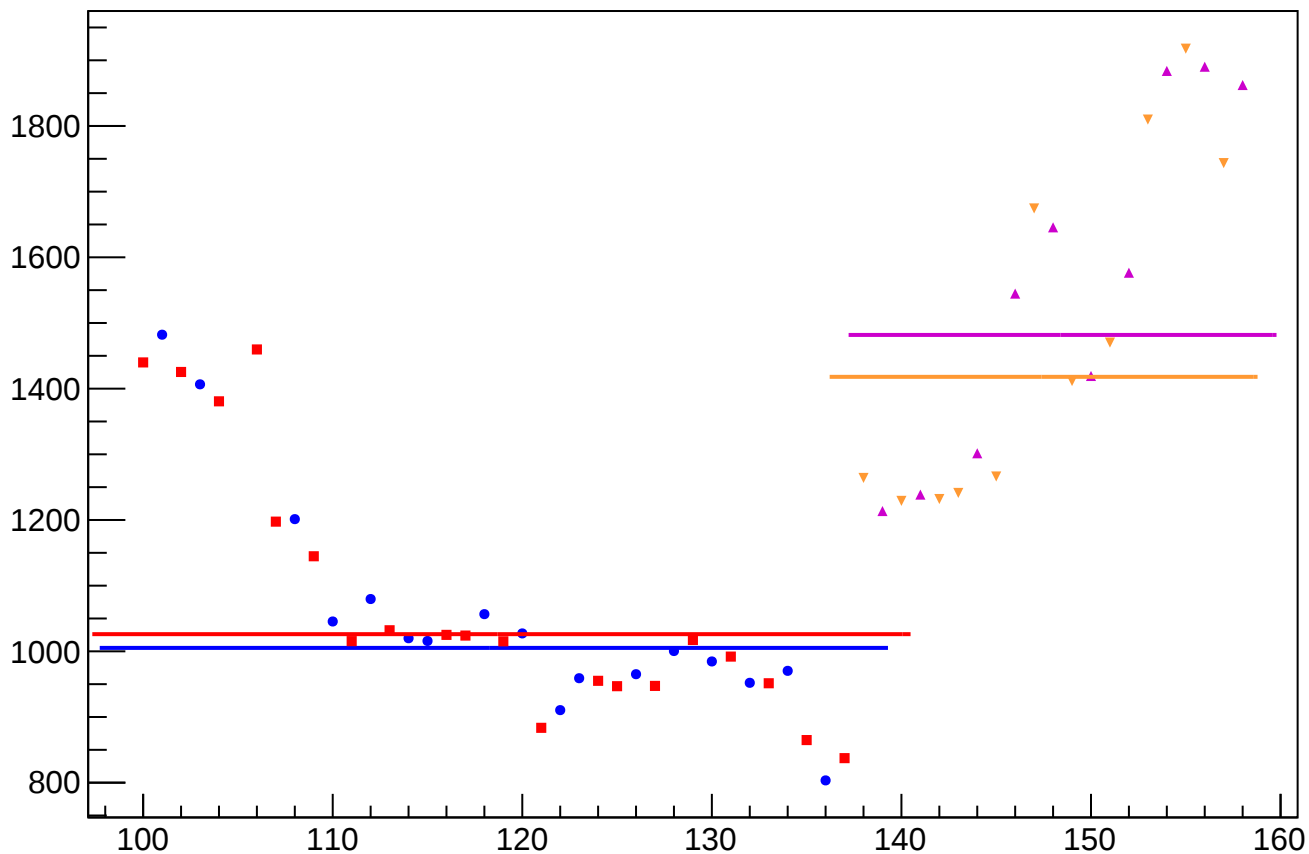
Right Out: 0.813+/-0.387 χ^2/NDF : 123.7/19

Left In: -13.328+/-0.527 χ^2/NDF :304.8/9

-4.780+/-0.310 χ^2/NDF : 213.6/27

-4.148+/-0.312 χ^2/NDF : 896.2/29

diff_bpm0l04Y_rms vs Slug



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

Left Out: 1417.992+/-0.356 χ^2/NDF : 400964.6/10

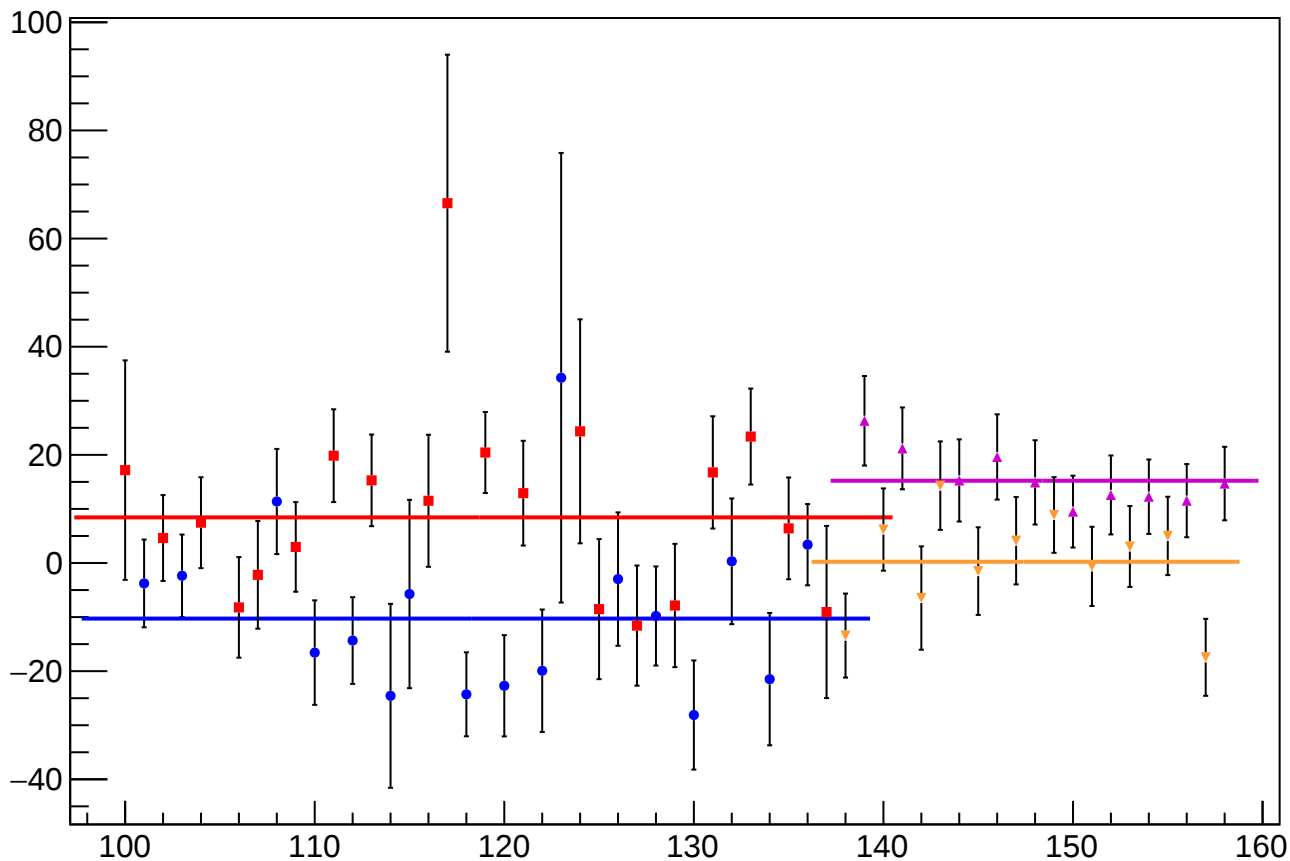
Right Out: 1026.145+/-0.274 χ^2/NDF : 333119.4/19

Left In: 1481.799+/-0.373 χ^2/NDF : 409682.6/9

1161.197+/-0.219 χ^2/NDF : 1598163.6/27

1186.008+/-0.221 χ^2/NDF : 1714067.5/29

diff_bpm0l05X_mean vs Slug



Right In: -10.277 ± 2.408 $\chi^2/\text{NDF}: 23.5/16$

Left Out: 0.232 ± 2.318 $\chi^2/\text{NDF}: 15.7/10$

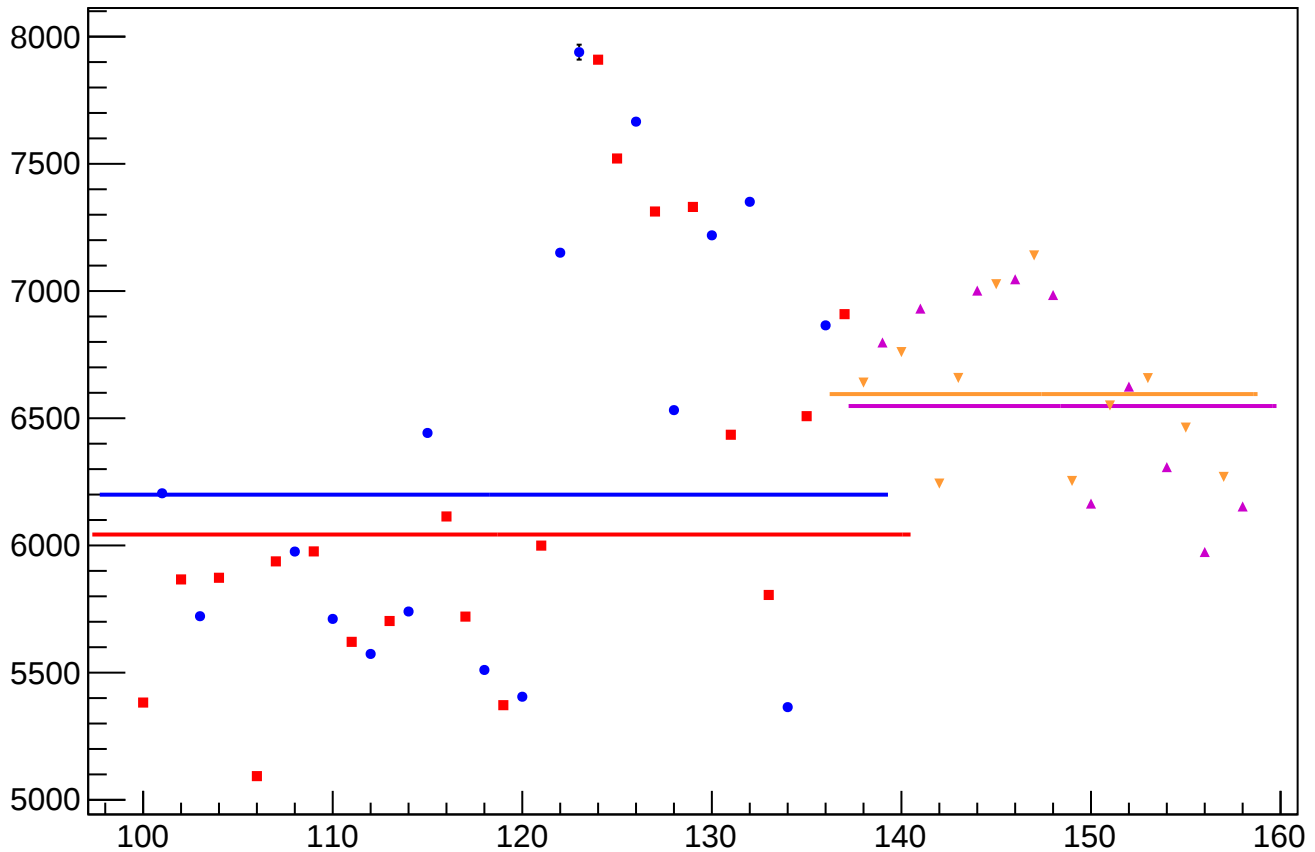
Right Out: 8.441 ± 2.271 $\chi^2/\text{NDF}: 27.3/19$

Left In: 15.217 ± 2.307 $\chi^2/\text{NDF}: 4.1/9$

-4.824 ± 1.670 $\chi^2/\text{NDF}: 49.1/27$

11.775 ± 1.618 $\chi^2/\text{NDF}: 35.7/29$

diff_bpm0l05X_rms vs Slug



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

Left Out: 6594.963 $\pm$ 1.639 χ^2 /NDF: 28455.3/10

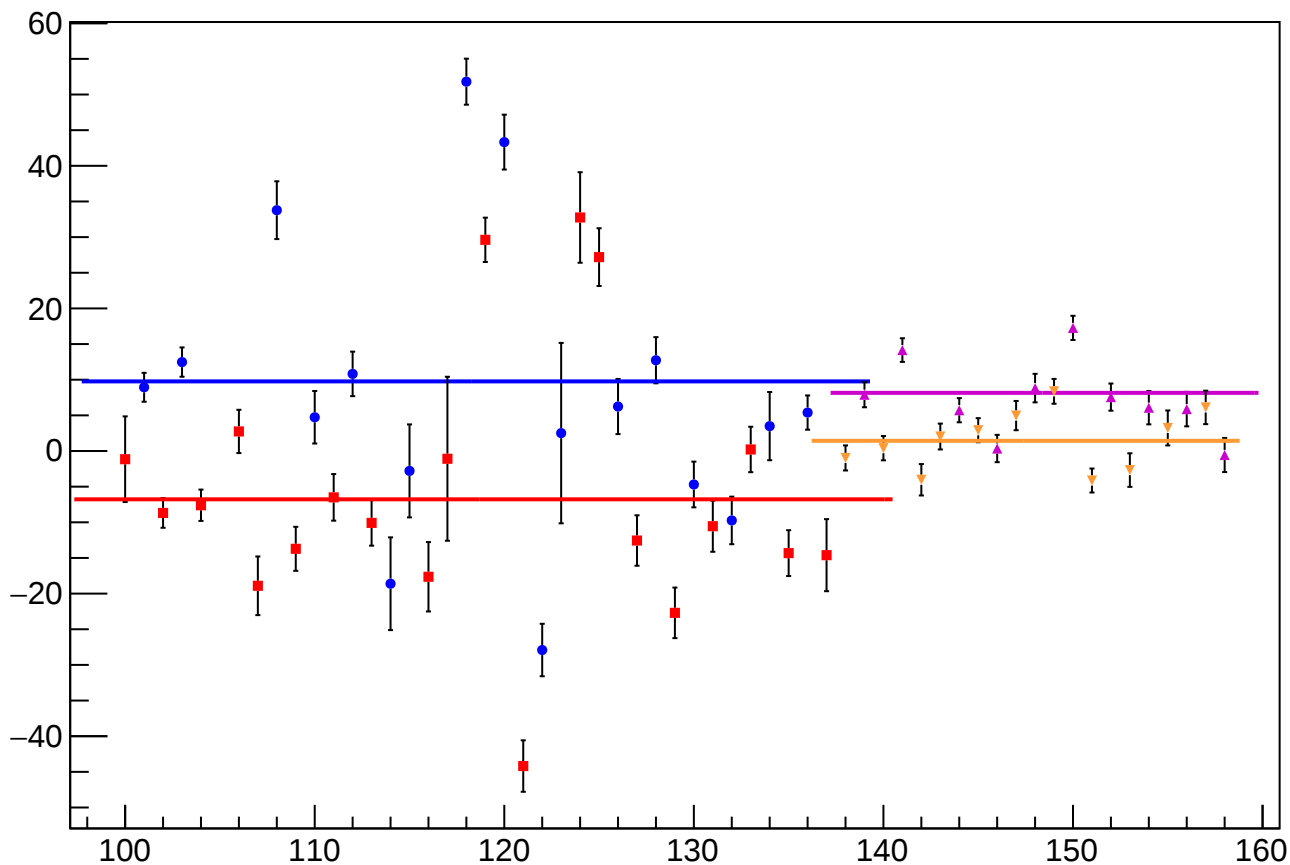
Right Out: 6042.952 $\pm$ 1.606 χ^2 /NDF: 158600.9/19

Left In: 6548.038 $\pm$ 1.631 χ^2 /NDF: 58783.9/9

6404.767 $\pm$ 1.181 χ^2 /NDF: 228194.7/27

6291.516 $\pm$ 1.144 χ^2 /NDF: 266086.7/29

diff_bpm0l05Y_mean vs Slug



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

Left Out: 1.434 ± 0.579 χ^2/NDF : 46.7/10

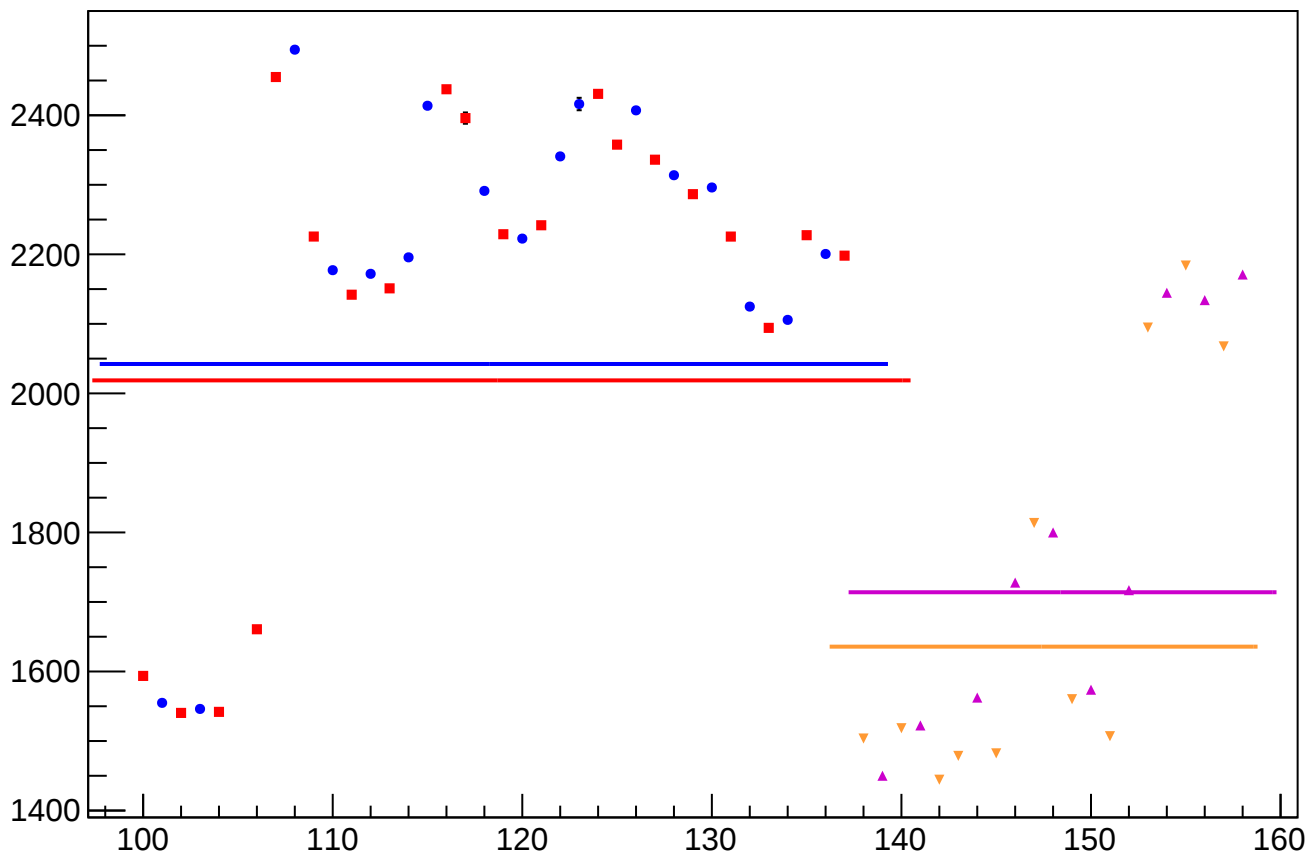
Right Out: -6.776 ± 0.763 χ^2/NDF : 422.1/19

Left In: 8.156 ± 0.607 χ^2/NDF : 75.8/9

4.316 ± 0.469 χ^2/NDF : 591.9/27

2.365 ± 0.475 χ^2/NDF : 732.3/29

diff_bpm0l05Y_rms vs Slug



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

Left Out: 1635.725+/-0.410 χ^2/NDF : 341550.6/10

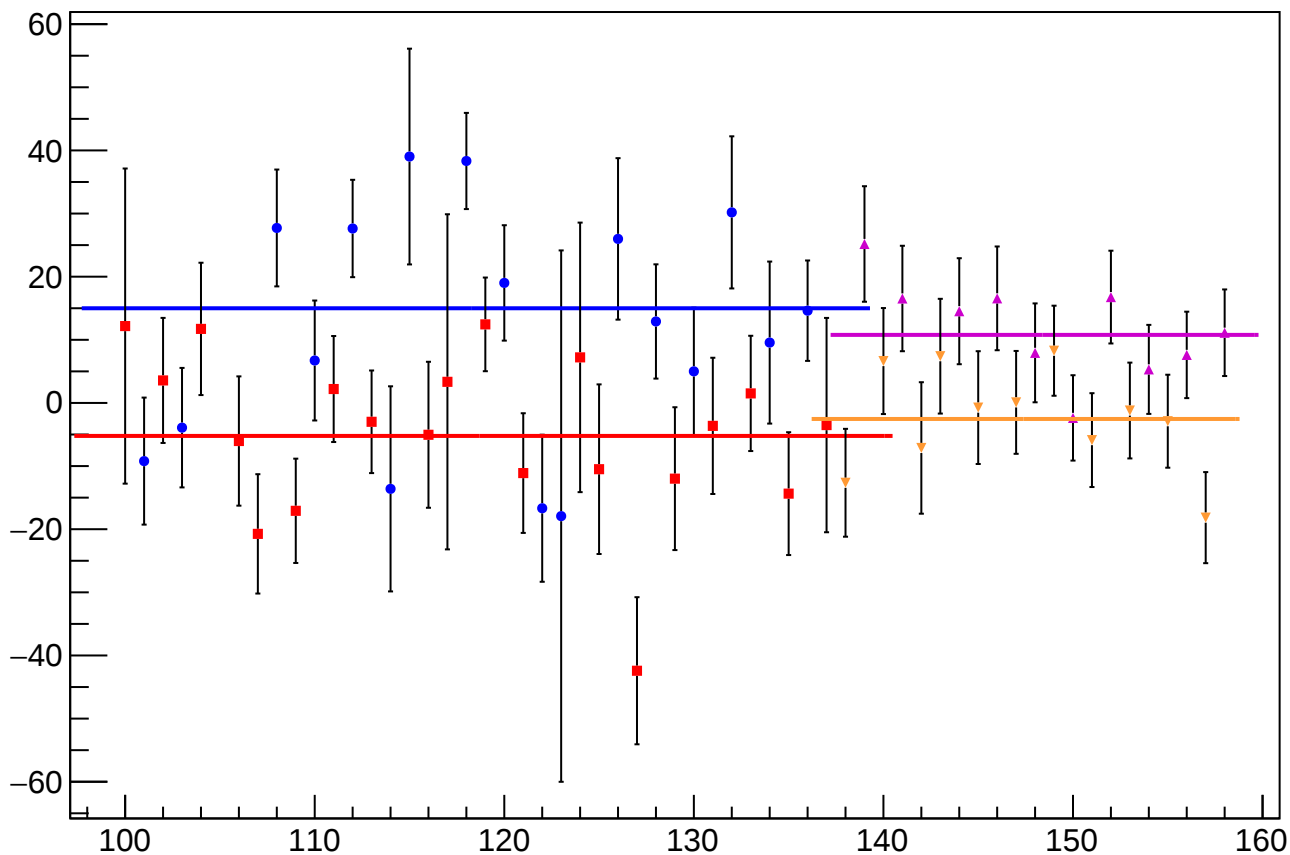
Right Out: 2018.694+/-0.540 χ^2/NDF : 377792.4/19

Left In: 1713.969+/-0.429 χ^2/NDF : 306578.8/9

1776.359+/-0.331 χ^2/NDF : 1038876.7/27

1832.144+/-0.336 χ^2/NDF : 879625.5/29

diff_bpm0l06X_mean vs Slug



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

Left Out: -2.538 $\pm$ 2.428 χ^2 /NDF: 11.4/10

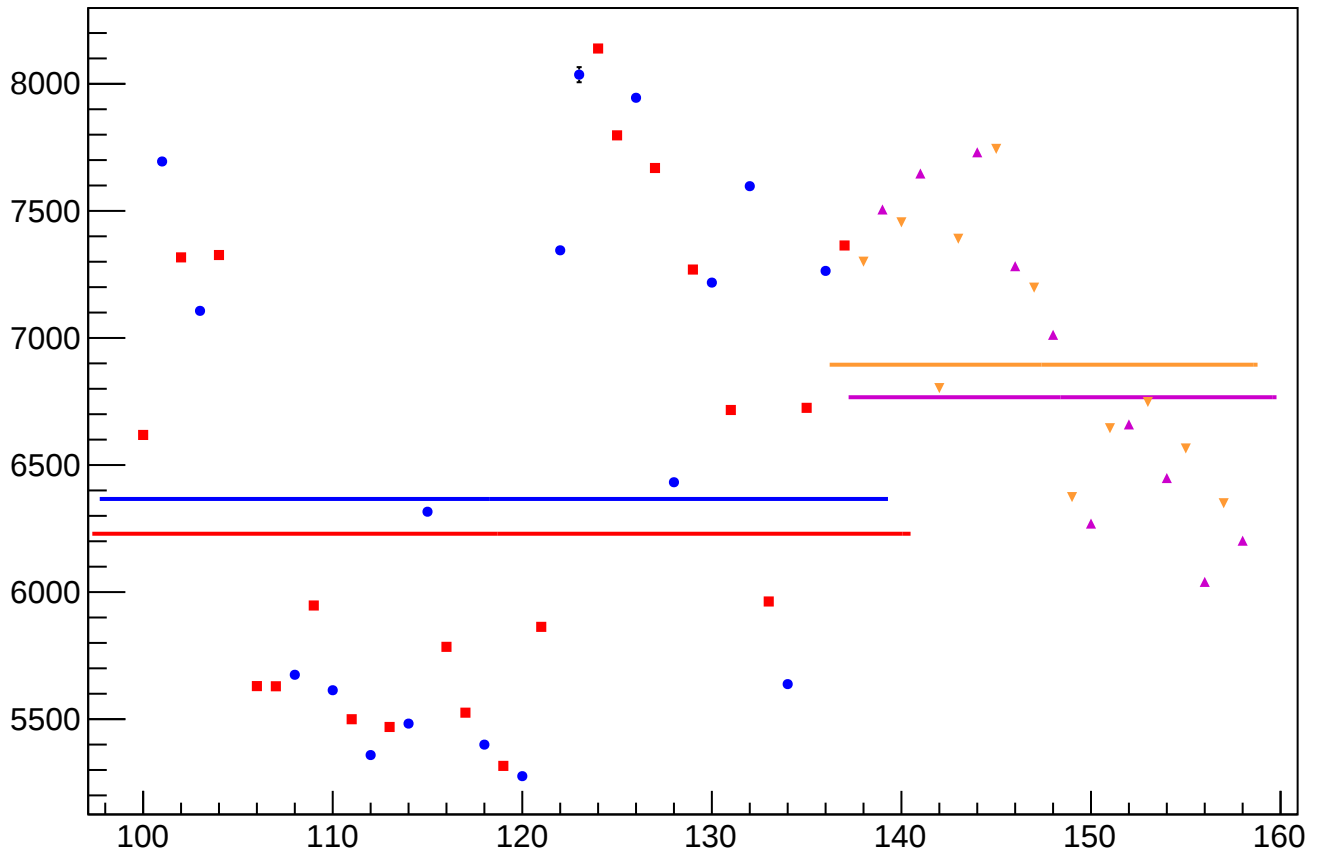
Right Out: -5.223 $\pm$ 2.348 χ^2 /NDF: 28.2/19

Left In: 10.780 $\pm$ 2.392 χ^2 /NDF: 9.0/9

6.026 $\pm$ 1.737 χ^2 /NDF: 78.1/27

2.629 $\pm$ 1.676 χ^2 /NDF: 60.0/29

diff_bpm0l06X_rms vs Slug



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

Left Out: 6894.800 ± 1.717 χ^2/NDF : 69472.2/10

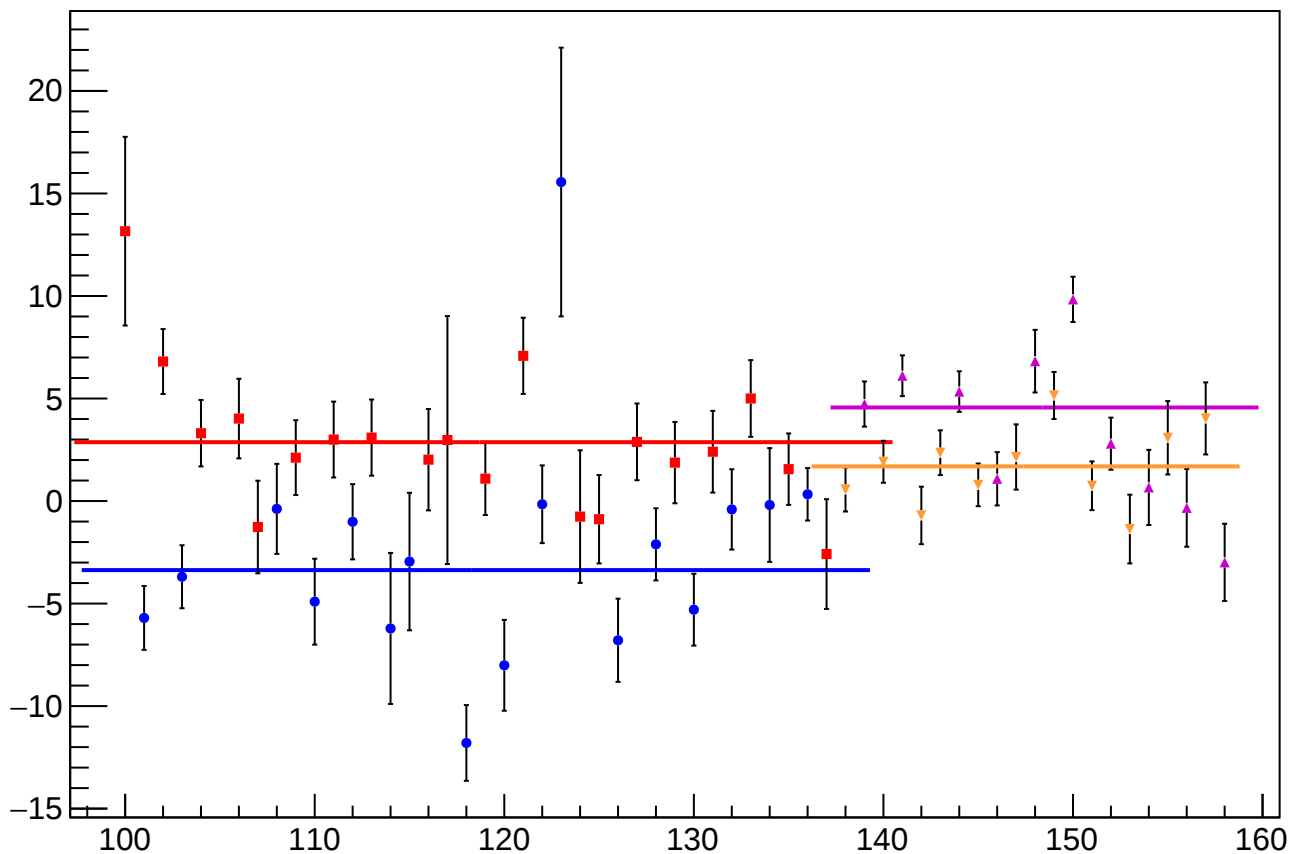
Right Out: 6229.625 ± 1.660 χ^2/NDF : 244622.7/19

Left In: 6766.804 ± 1.692 χ^2/NDF : 122854.4/9

6636.778 ± 1.228 χ^2/NDF : 402202.9/27

6493.190 ± 1.185 χ^2/NDF : 418832.6/29

diff_bpm0l06Y_mean vs Slug



Right In: -3.368 ± 0.476 $\chi^2/\text{NDF}: 59.9/16$

Left Out: 1.690 ± 0.379 $\chi^2/\text{NDF}: 20.7/10$

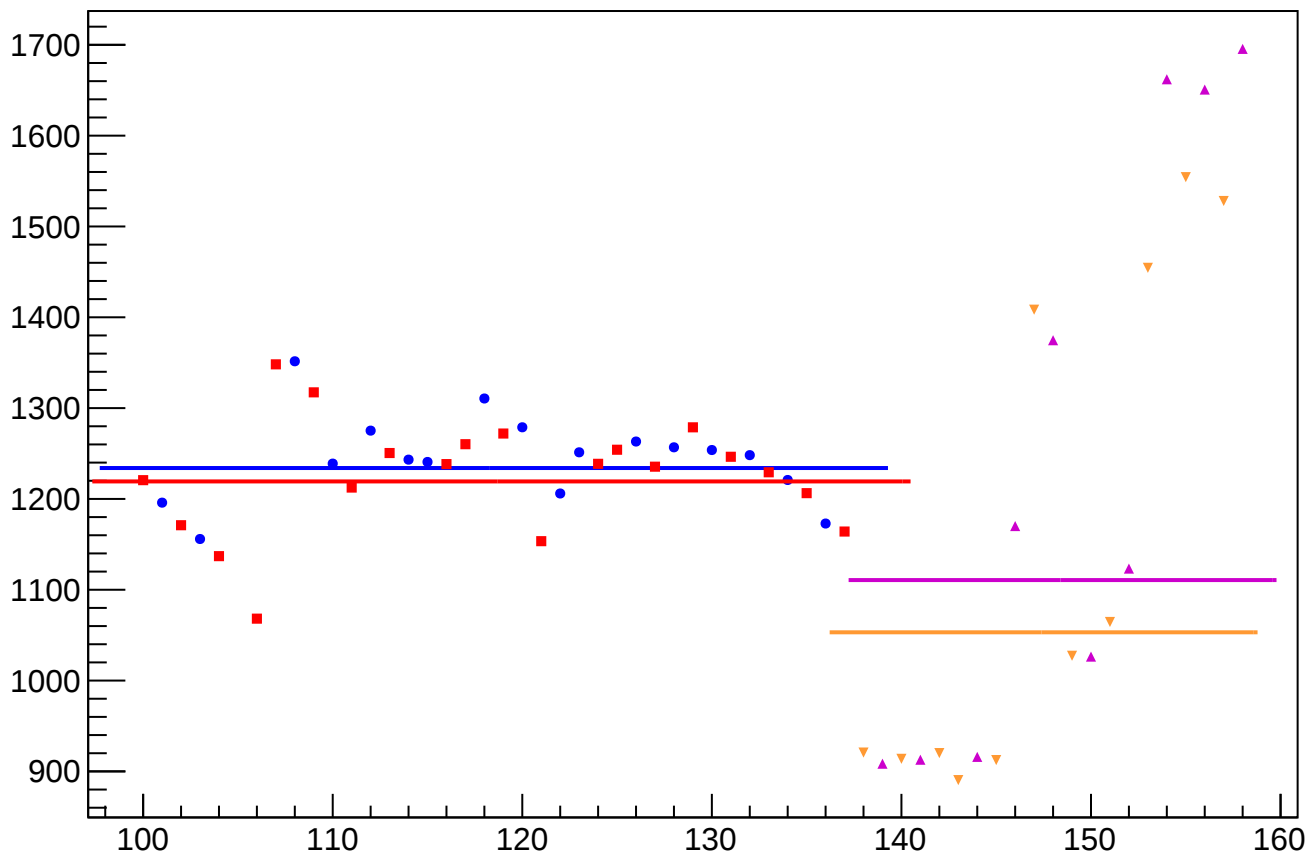
Right Out: 2.871 ± 0.455 $\chi^2/\text{NDF}: 32.0/19$

Left In: 4.562 ± 0.402 $\chi^2/\text{NDF}: 64.4/9$

-0.278 ± 0.297 $\chi^2/\text{NDF}: 149.7/27$

3.821 ± 0.301 $\chi^2/\text{NDF}: 104.2/29$

diff_bpm0l06Y_rms vs Slug



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

Left Out: 1053.137+/-0.268 χ^2/NDF : 684417.9/10

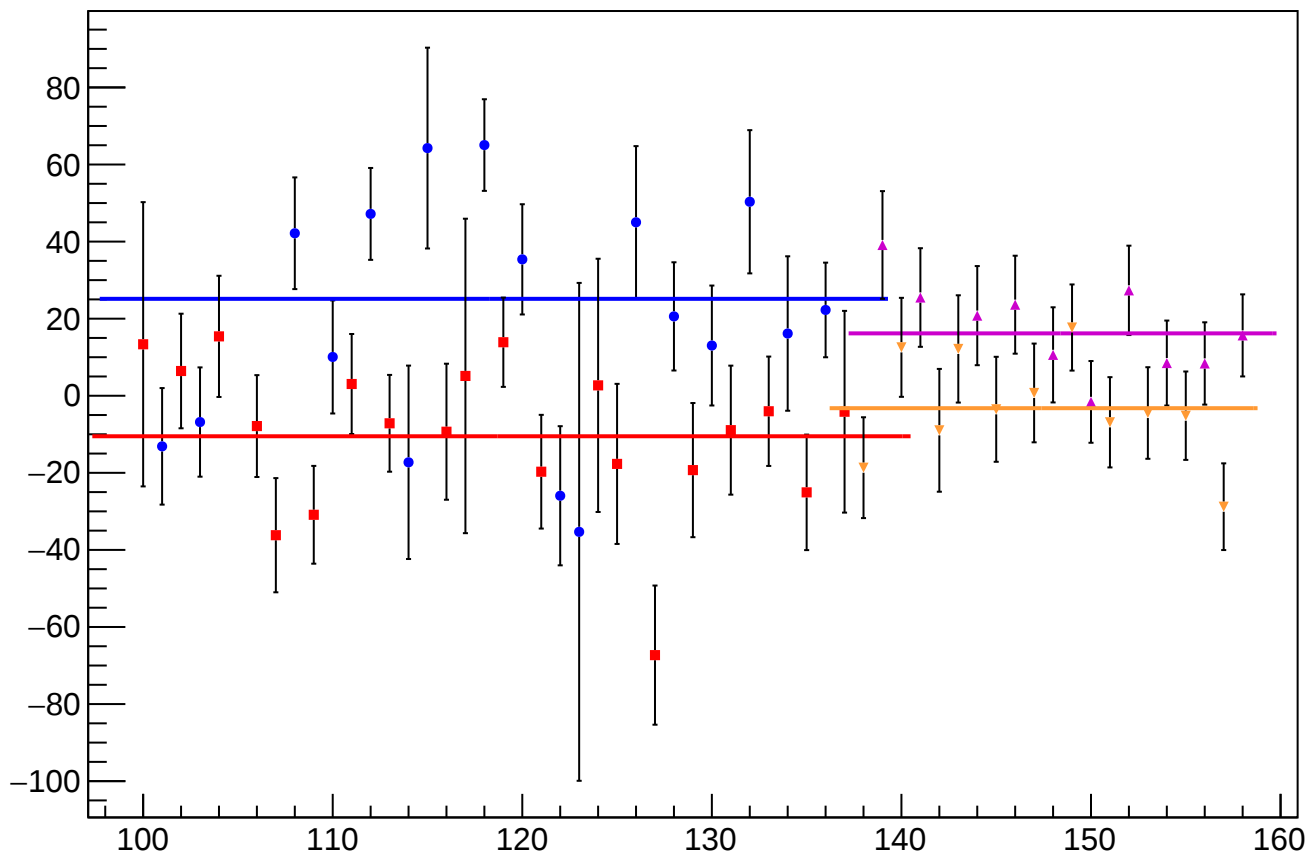
Right Out: 1219.275+/-0.322 χ^2/NDF : 40462.8/19

Left In: 1110.654+/-0.284 χ^2/NDF : 836346.4/9

1123.520+/-0.210 χ^2/NDF : 884798.1/27

1158.302+/-0.213 χ^2/NDF : 940760.5/29

diff_bpm0l07X_mean vs Slug



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

Left Out: -3.228 ± 3.770 $\chi^2/\text{NDF}: 13.2/10$

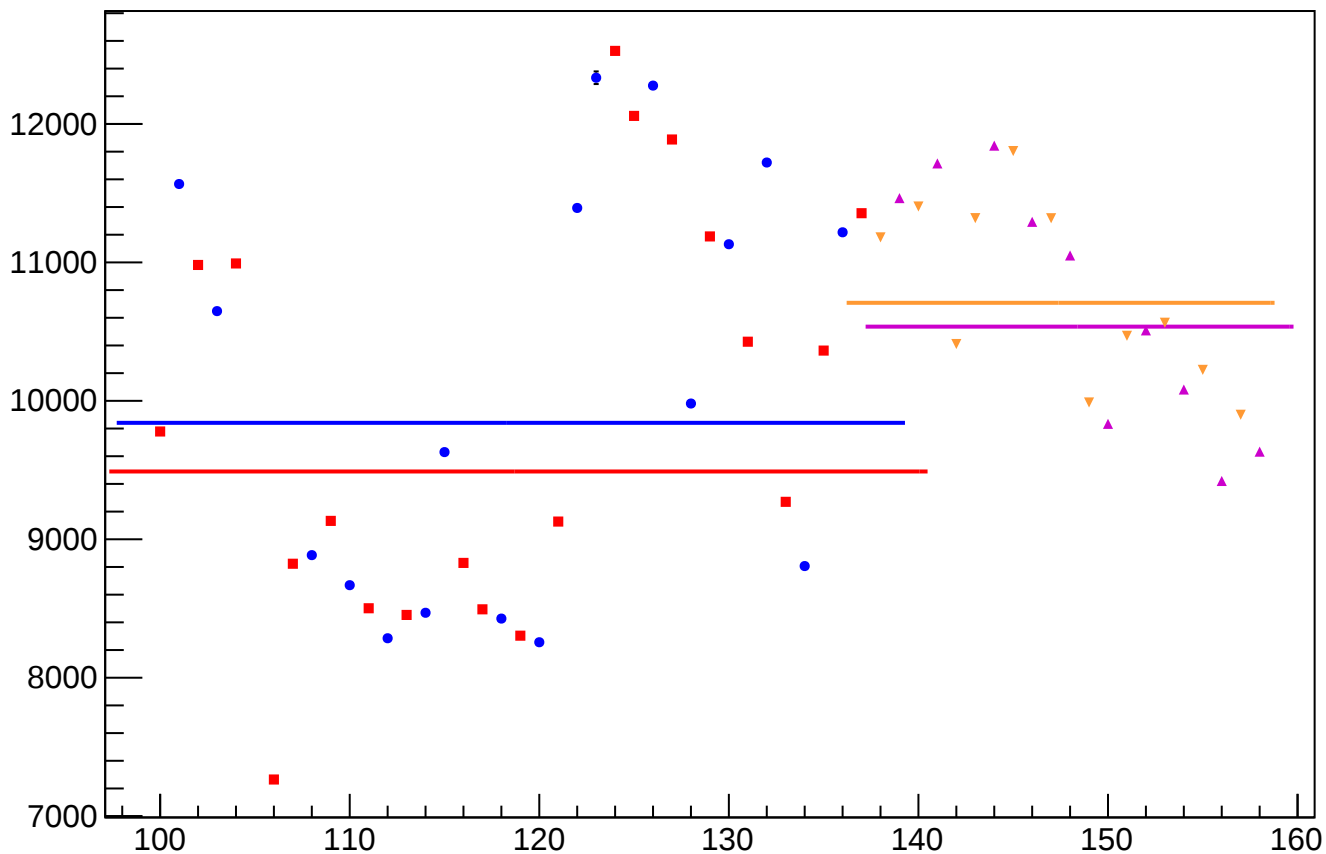
Right Out: -10.513 ± 3.581 $\chi^2/\text{NDF}: 27.8/19$

Left In: 16.186 ± 3.722 $\chi^2/\text{NDF}: 8.7/9$

10.708 ± 2.689 $\chi^2/\text{NDF}: 87.9/27$

2.320 ± 2.581 $\chi^2/\text{NDF}: 63.2/29$

diff_bpm0l07X_rms vs Slug



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

Left Out: 10708.175+/-2.665 χ^2/NDF : 53864.1/10

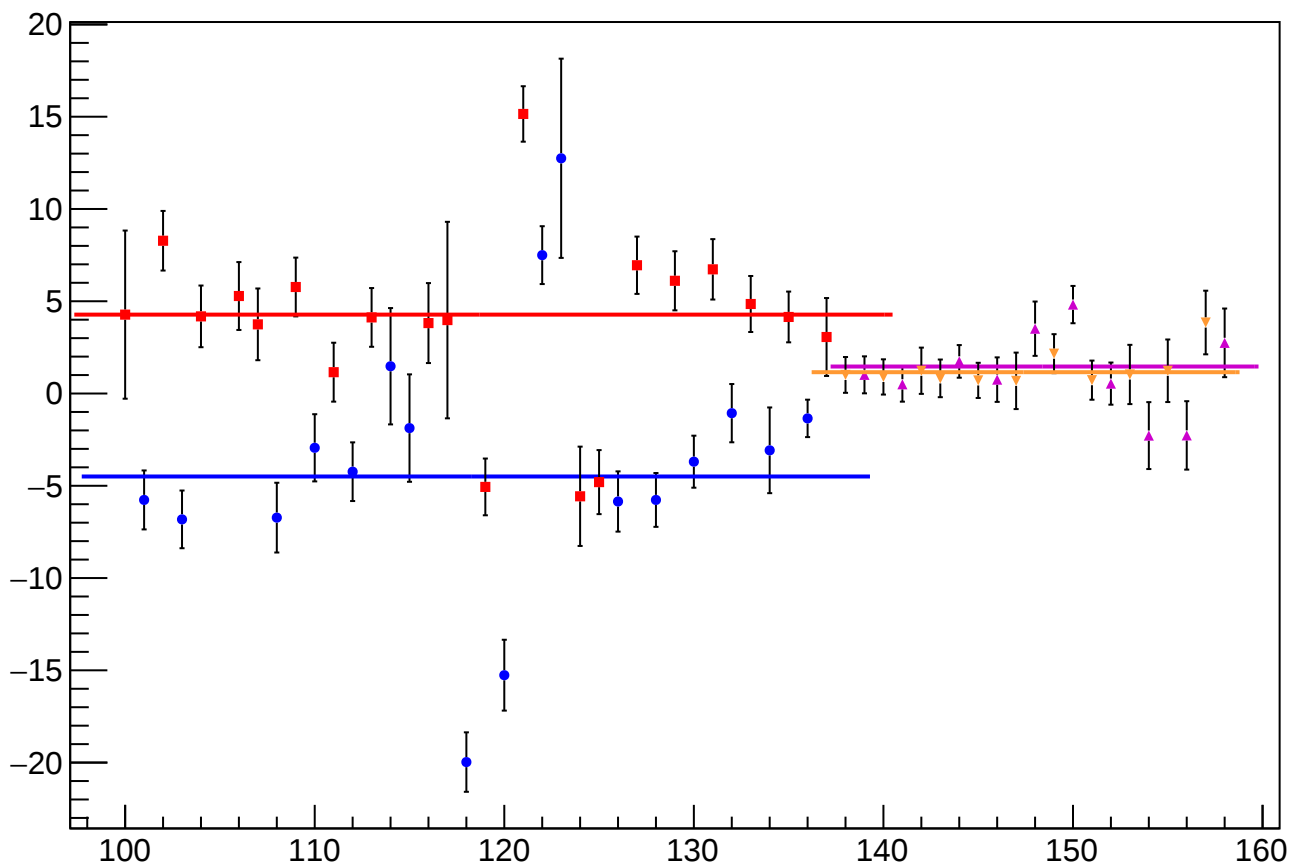
Right Out: 9489.753+/-2.532 χ^2/NDF : 277900.5/19

Left In: 10536.030+/-2.632 χ^2/NDF : 105388.2/9

10282.406+/-1.901 χ^2/NDF : 365883.9/27

9992.631+/-1.825 χ^2/NDF : 465357.9/29

diff_bpm0l07Y_mean vs Slug



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

-1.243 ± 0.266 χ^2/NDF : 332.8/27

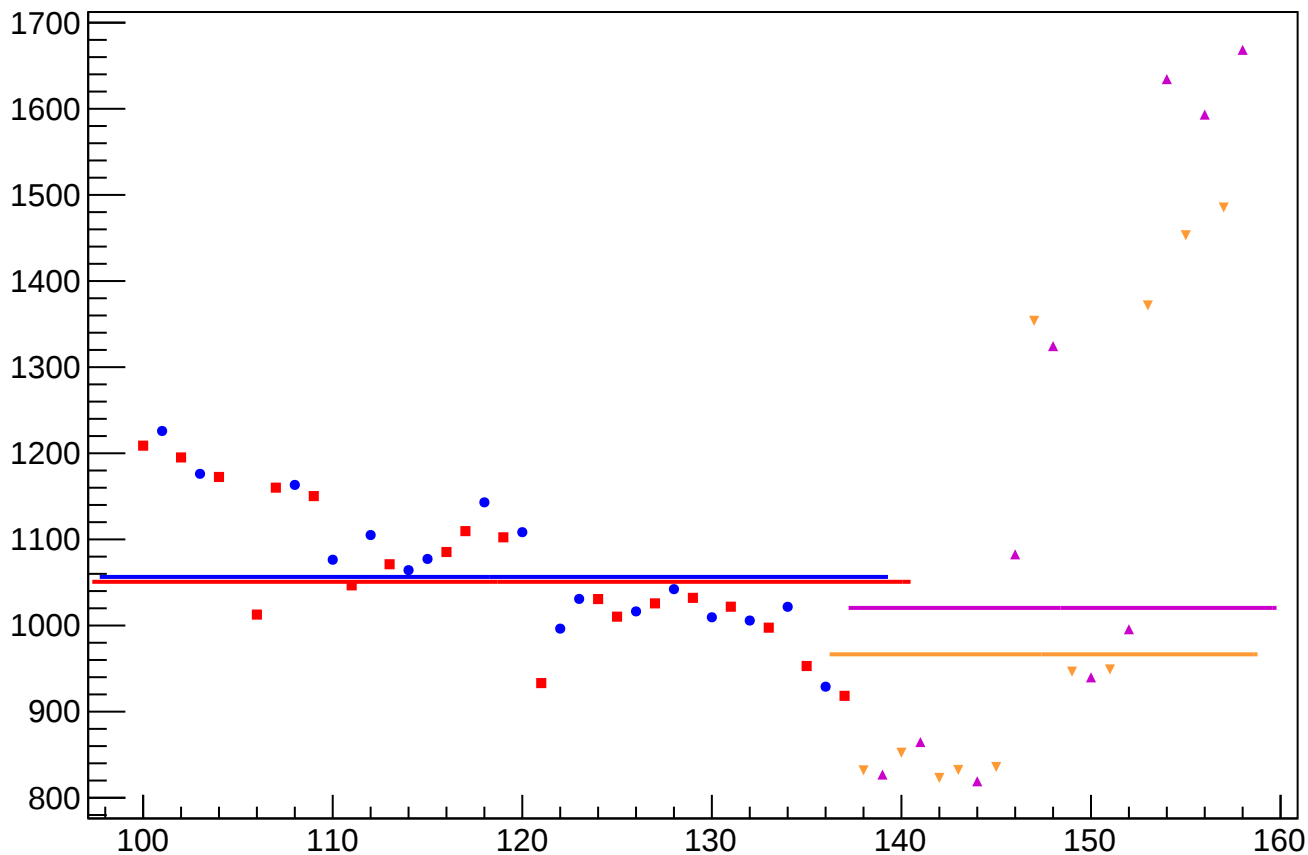
Left Out: 1.156 ± 0.350 χ^2/NDF : 4.0/10

2.796 ± 0.271 χ^2/NDF : 199.3/29

Right Out: 4.275 ± 0.393 χ^2/NDF : 148.2/19

Left In: 1.462 ± 0.373 χ^2/NDF : 24.1/9

diff_bpm0l07Y_rms vs Slug



Right In: 1056.436+/-0.289 χ^2/NDF : 90773.0/16

Left Out: 966.561+/-0.248 χ^2/NDF : 768345.7/10

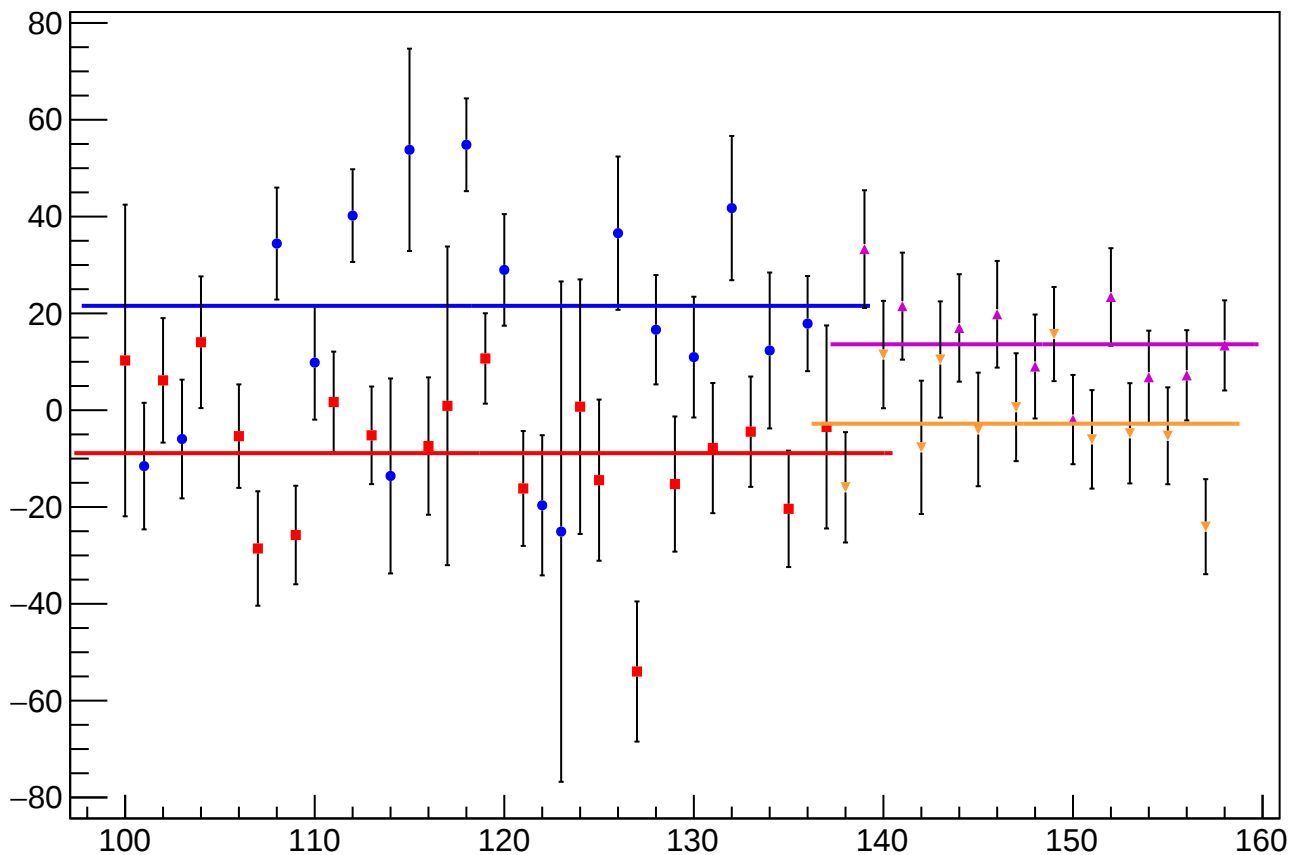
Right Out: 1050.765+/-0.278 χ^2/NDF : 82642.2/19

Left In: 1020.460+/-0.264 χ^2/NDF : 1000387.1/9

1004.700+/-0.188 χ^2/NDF : 914938.4/27

1034.833+/-0.191 χ^2/NDF : 1089286.9/29

diff_bpm0l08X_mean vs Slug



Right In: 21.561+/-3.110 χ^2 /NDF: 48.4/16

Left Out: -2.786+/-3.275 χ^2 /NDF:13.0/10

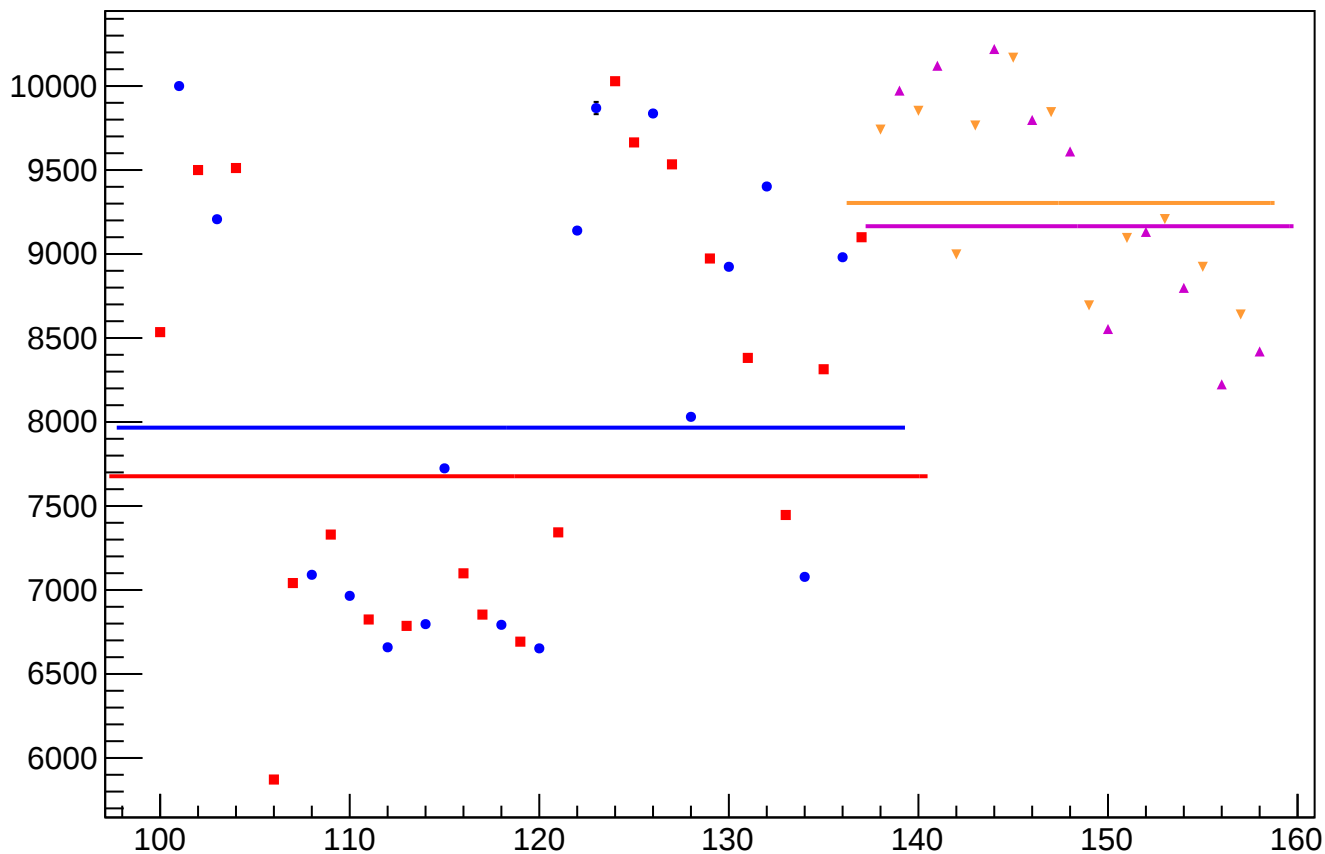
Right Out: -8.867+/-2.901 χ^2 /NDF: 27.5/19

Left In: 13.618+/-3.237 χ^2 /NDF:8.5/9

10.013+/-2.255 χ^2 /NDF: 90.4/27

1.147+/-2.160 χ^2 /NDF: 62.8/29

diff_bpm0l08X_rms vs Slug



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

Left Out: 9303.903+/-2.315 χ^2/NDF :48234.3/10

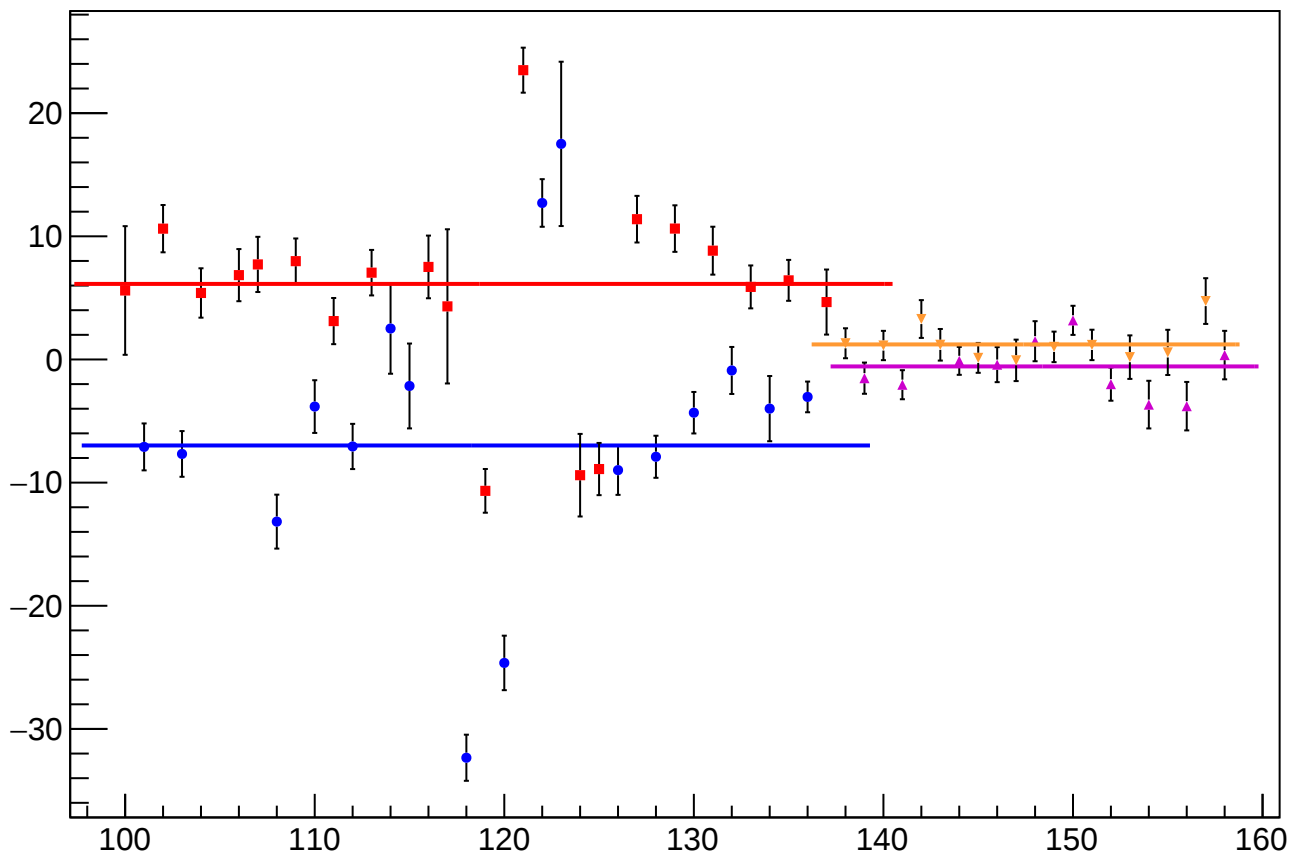
Right Out: 7677.035+/-2.051 χ^2/NDF : 316295.2/19

Left In: 9165.444+/-2.289 χ^2/NDF :96815.2/9

8600.790+/-1.595 χ^2/NDF : 520256.4/27

8339.932+/-1.527 χ^2/NDF : 647663.3/29

diff_bpm0l08Y_mean vs Slug



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

Left Out: 1.222+/-0.420 χ^2/NDF : 7.3/10

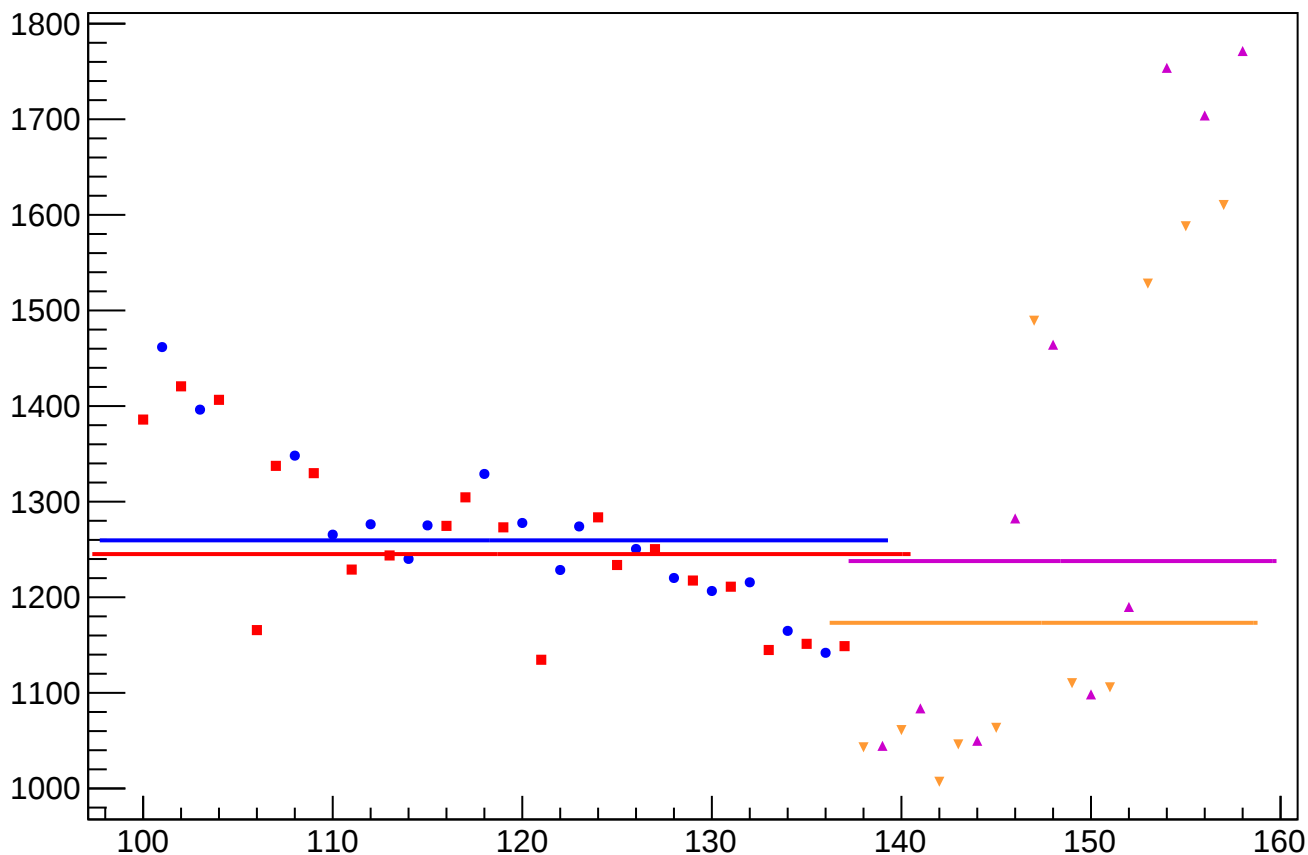
Right Out: 6.135+/-0.465 χ^2/NDF : 277.6/19

Left In: -0.565+/-0.445 χ^2/NDF : 20.6/9

-2.287+/-0.318 χ^2/NDF : 578.9/27

2.637+/-0.322 χ^2/NDF : 406.3/29

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1173.281+/-0.297 χ^2/NDF : 475624.9/10

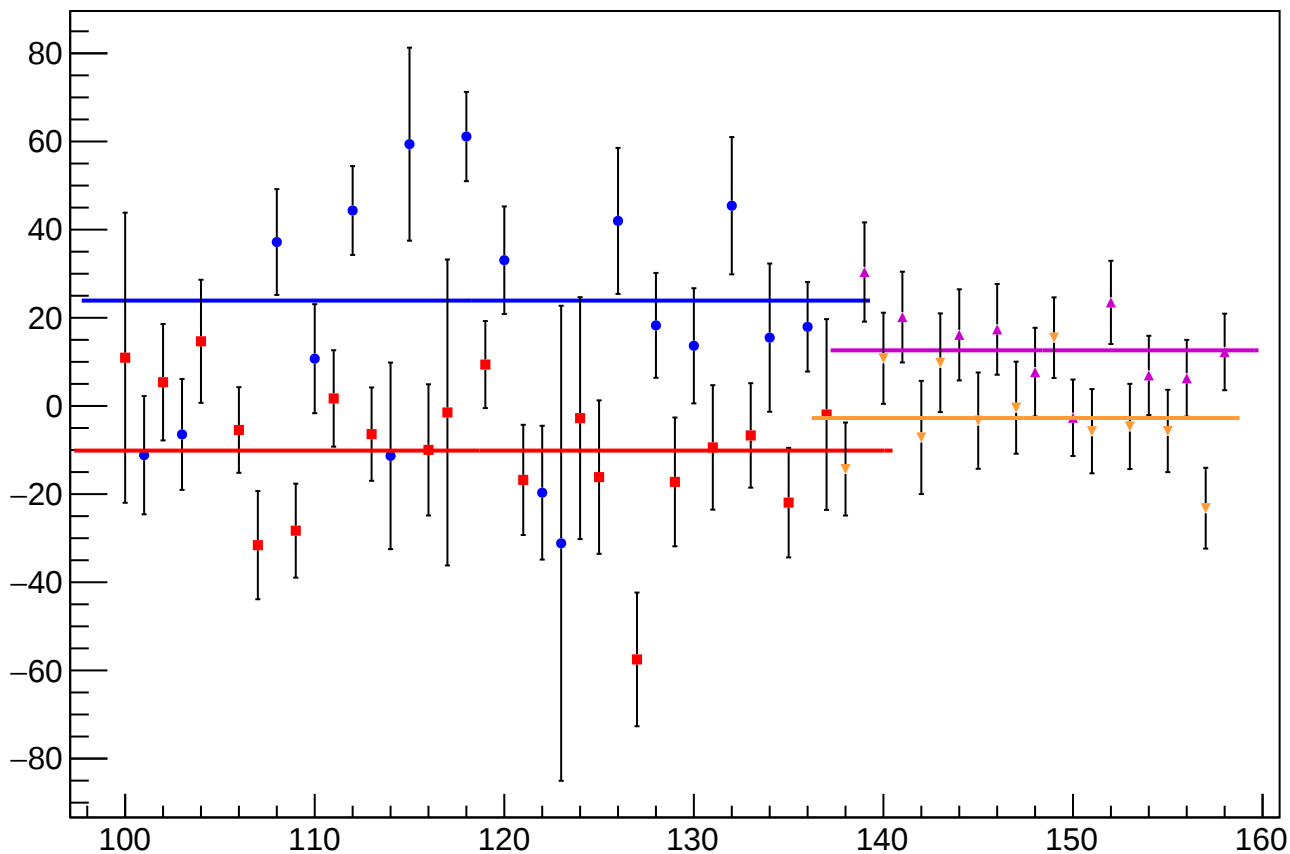
Right Out: 1245.167+/-0.329 χ^2/NDF : 67006.8/19

Left In: 1237.863+/-0.315 χ^2/NDF : 608103.8/9

1210.167+/-0.225 χ^2/NDF : 576493.9/27

1241.354+/-0.228 χ^2/NDF : 675367.8/29

diff_bpm0l09X_mean vs Slug



Right In: 23.904 ± 3.251 χ^2/NDF : 52.4/16

Left Out: -2.732 ± 3.058 χ^2/NDF : 13.5/10

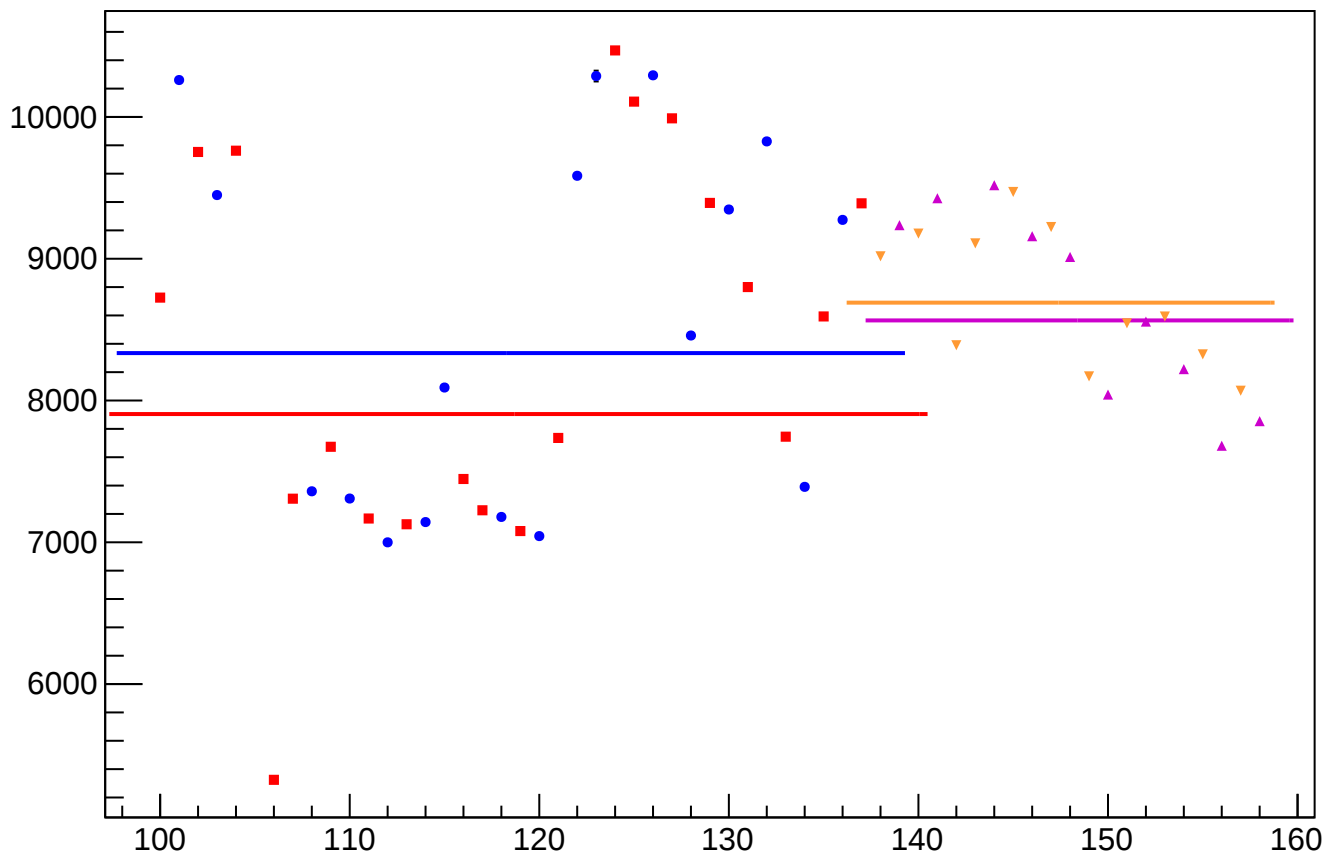
Right Out: -10.125 ± 2.994 χ^2/NDF : 28.0/19

Left In: 12.618 ± 3.024 χ^2/NDF : 9.0/9

9.774 ± 2.227 χ^2/NDF : 101.6/27

1.134 ± 2.128 χ^2/NDF : 65.5/29

diff_bpm0l09X_rms vs Slug



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

Left Out: 8690.315+/-2.162 χ^2/NDF : 45056.0/10

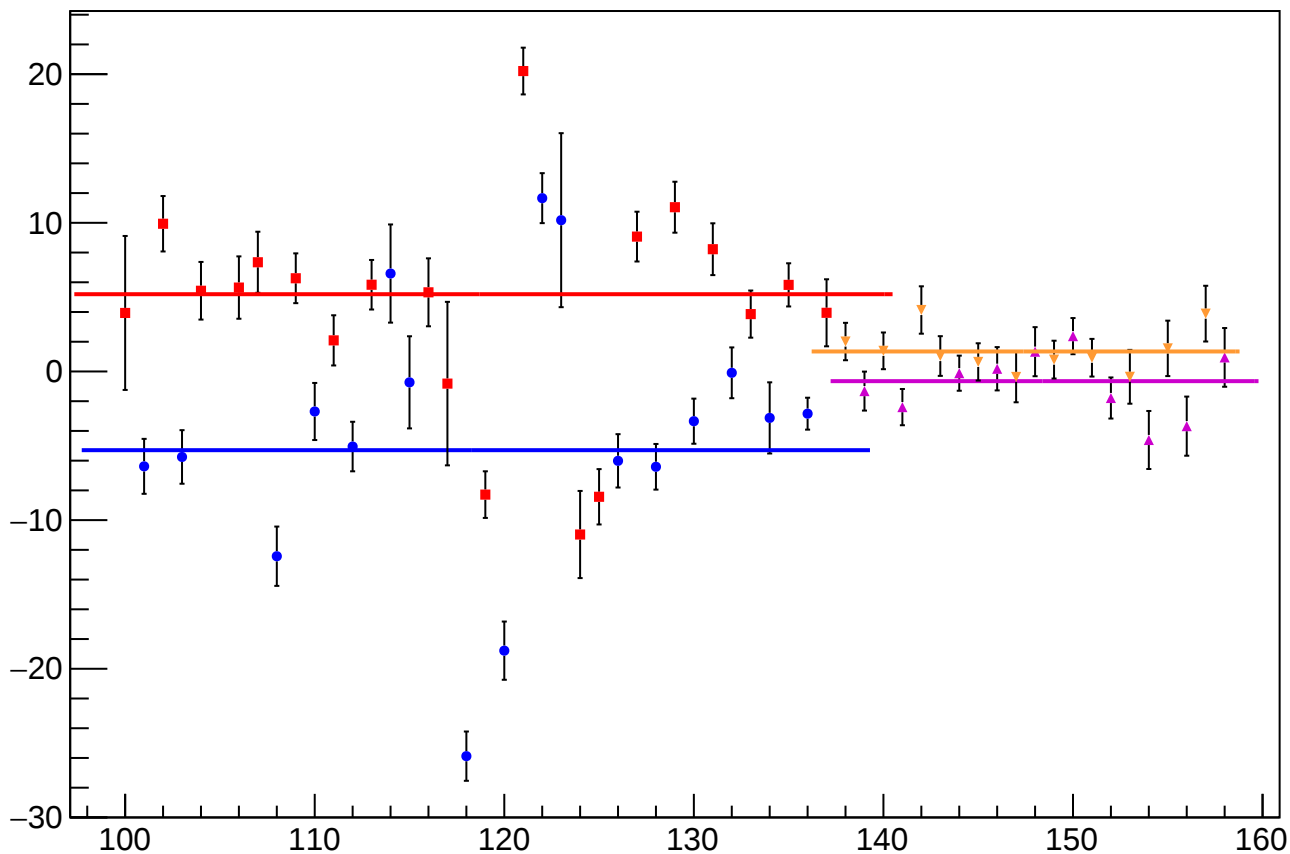
Right Out: 7904.529+/-2.117 χ^2/NDF : 391589.9/19

Left In: 8564.964+/-2.138 χ^2/NDF : 92990.9/9

8523.261+/-1.575 χ^2/NDF : 330070.7/27

8231.487+/-1.505 χ^2/NDF : 532746.8/29

diff_bpm0l09Y_mean vs Slug



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

Left Out: 1.346 ± 0.433 χ^2/NDF : 7.8/10

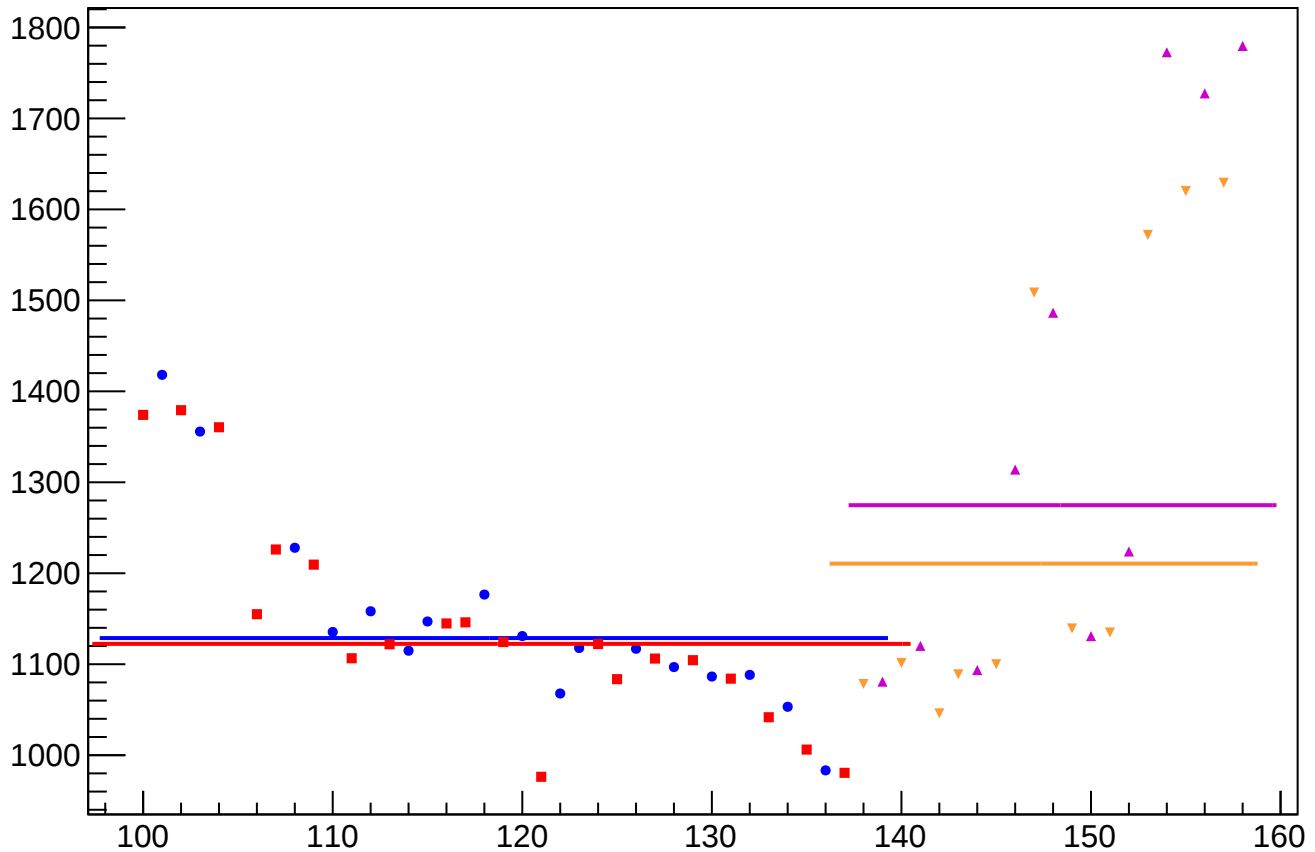
Right Out: 5.198 ± 0.420 χ^2/NDF : 283.1/19

Left In: -0.651 ± 0.457 χ^2/NDF : 18.2/9

-1.943 ± 0.307 χ^2/NDF : 482.5/27

2.519 ± 0.310 χ^2/NDF : 390.0/29

diff_bpm0l09Y_rms vs Slug



Right In: 1128.740 ± 0.309 $\chi^2/\text{NDF}: 133096.9/16$

Left Out: 1210.587 ± 0.306 $\chi^2/\text{NDF}: 441786.5/10$

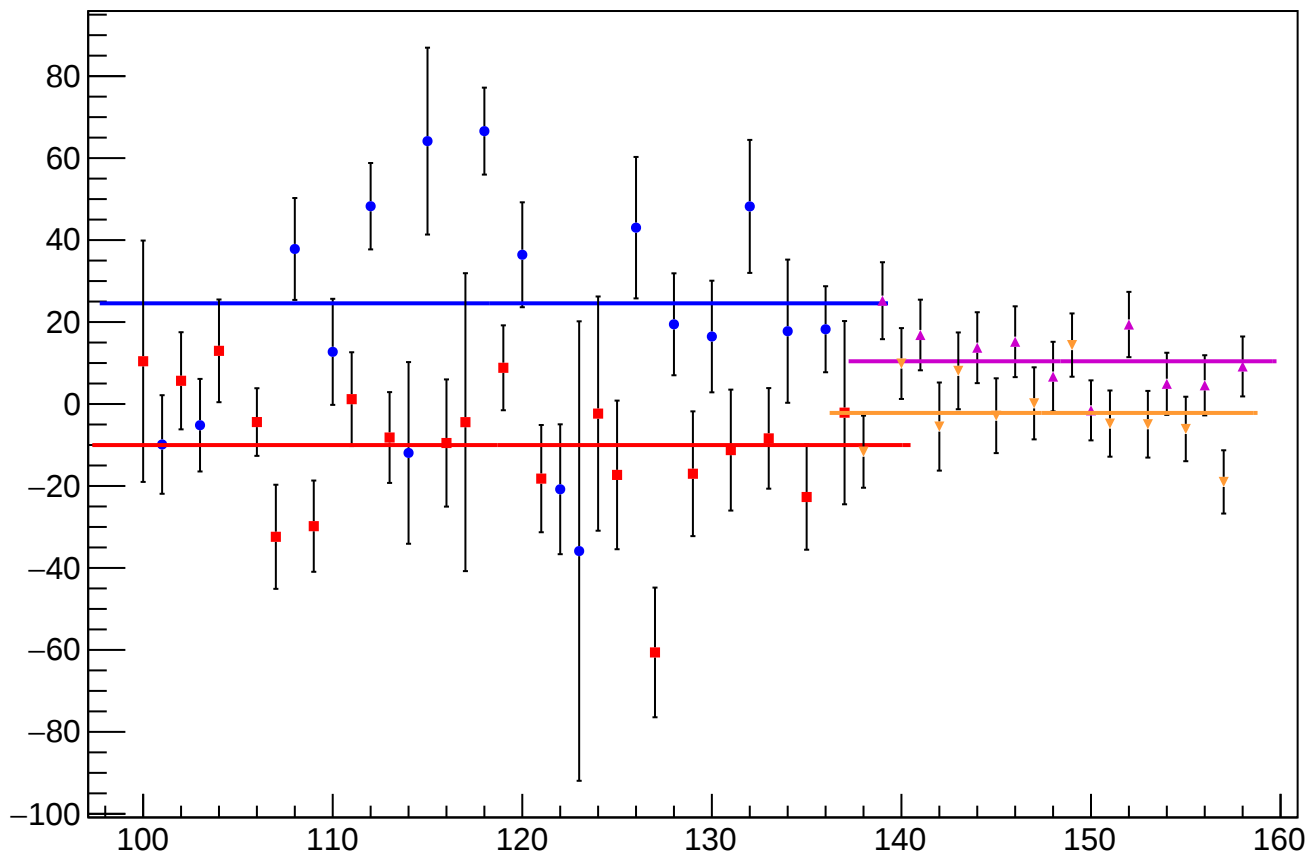
Right Out: 1122.377 ± 0.297 $\chi^2/\text{NDF}: 129638.9/19$

Left In: 1274.829 ± 0.323 $\chi^2/\text{NDF}: 552483.1/9$

1170.052 ± 0.217 $\chi^2/\text{NDF}: 610320.8/27$

1192.194 ± 0.219 $\chi^2/\text{NDF}: 802560.0/29$

diff_bpm0l10X_mean vs Slug



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

Left Out: -2.176+/-2.570 χ^2 /NDF:14.3/10

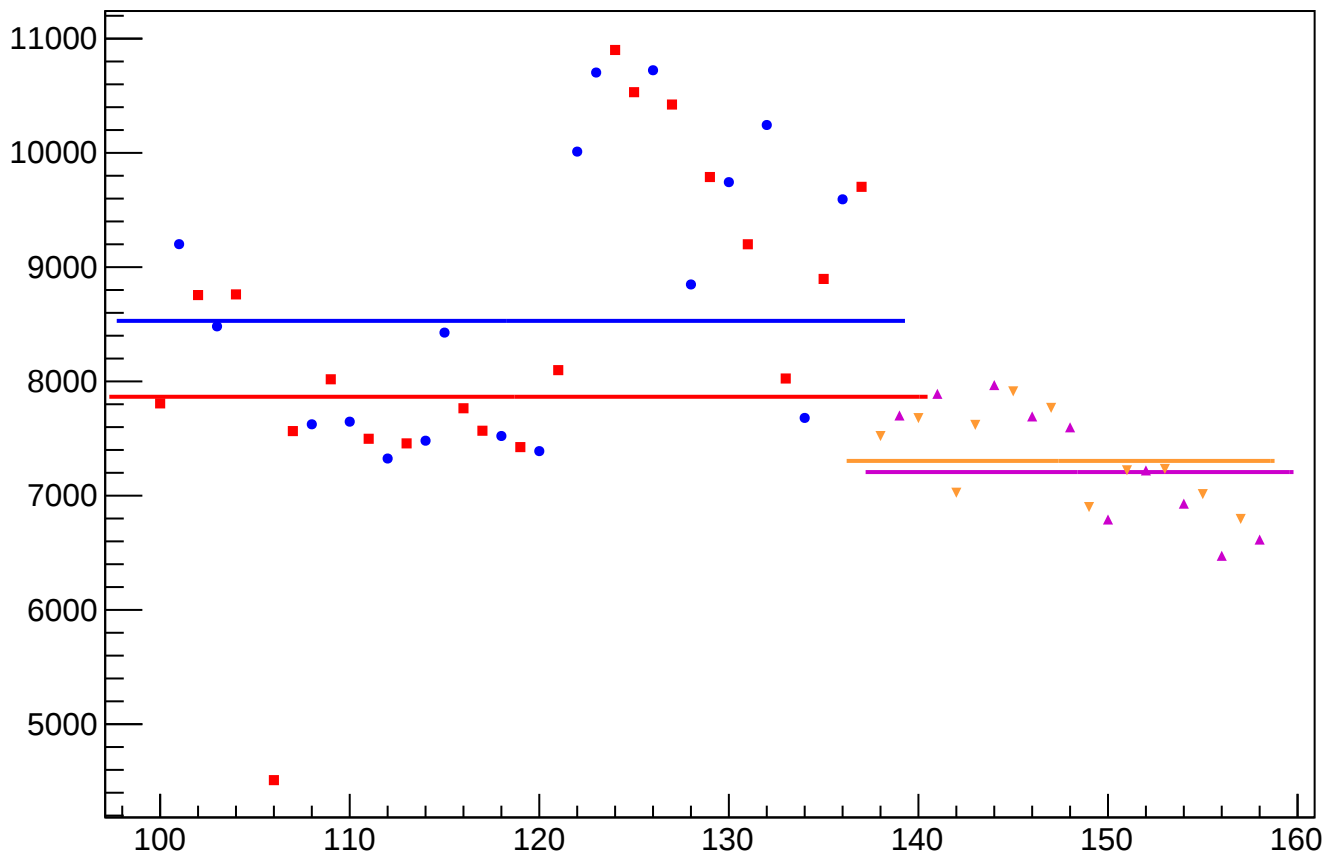
Right Out: -10.019+/-2.997 χ^2 /NDF: 28.8/19

Left In: 10.428+/-2.544 χ^2 /NDF:8.8/9

7.850+/-2.032 χ^2 /NDF: 113.0/27

1.868+/-1.939 χ^2 /NDF: 64.7/29

diff_bpm0l10X_rms vs Slug



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

Left Out: 7304.147 ± 1.817 χ^2/NDF : 40274.6/10

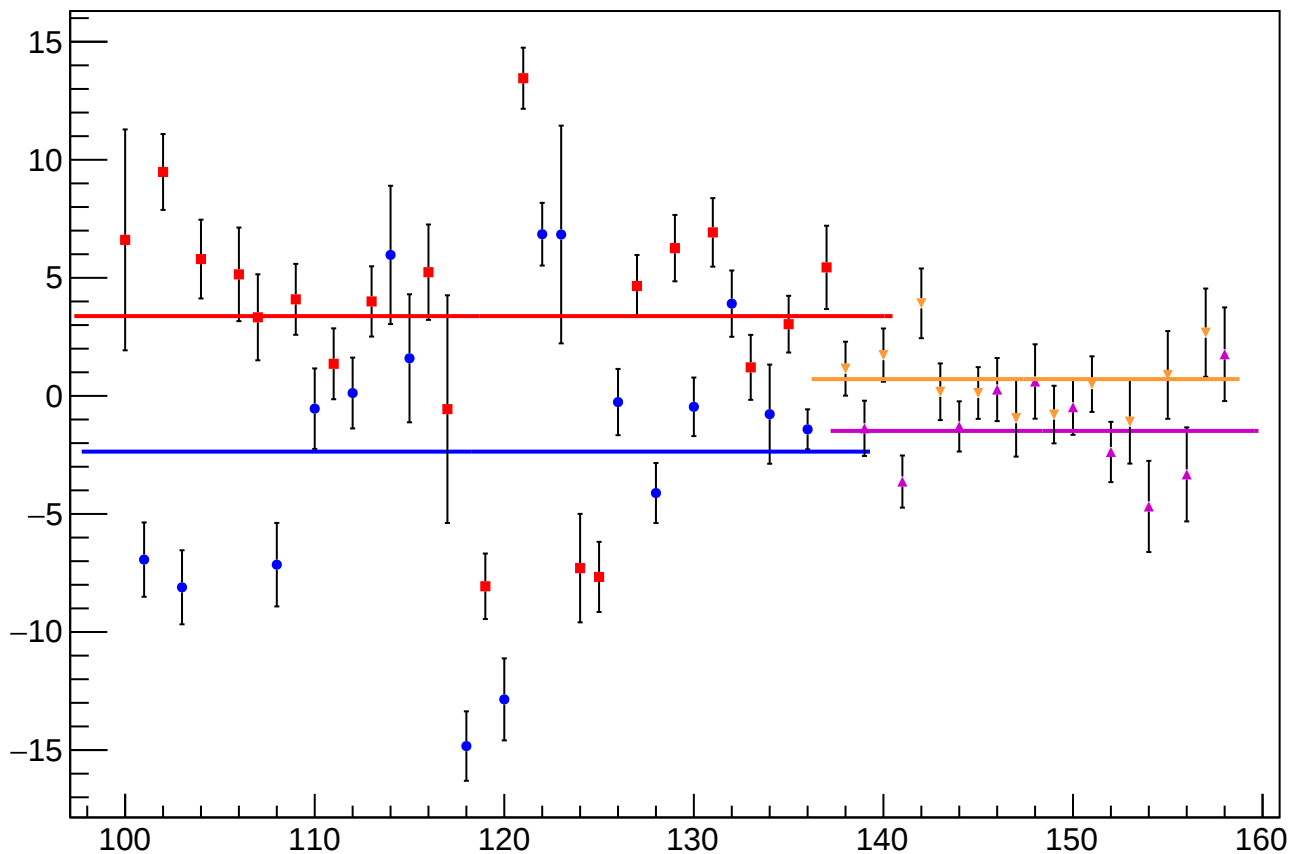
Right Out: 7865.549 ± 2.119 χ^2/NDF : 555976.4/19

Left In: 7206.531 ± 1.799 χ^2/NDF : 86403.0/9

7763.620 ± 1.437 χ^2/NDF : 419179.1/27

7482.431 ± 1.371 χ^2/NDF : 698583.5/29

diff_bpm0l10Y_mean vs Slug



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

Left Out: 0.711 ± 0.401 χ^2/NDF : 10.9/10

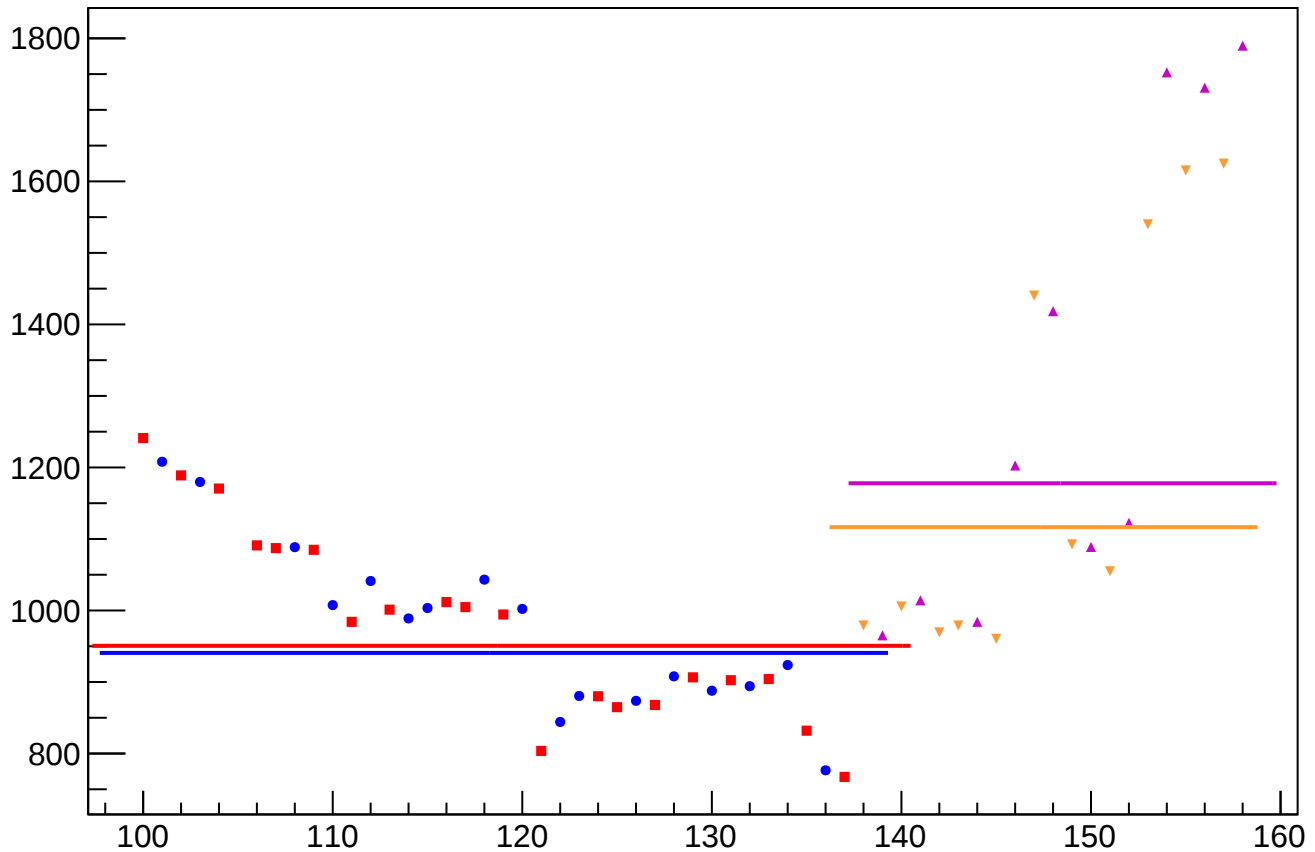
Right Out: 3.379 ± 0.357 χ^2/NDF : 242.1/19

Left In: -1.483 ± 0.426 χ^2/NDF : 14.8/9

-0.968 ± 0.270 χ^2/NDF : 274.9/27

1.371 ± 0.274 χ^2/NDF : 333.4/29

diff_bpm0l10Y_rms vs Slug



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

Left Out: 1116.517 $\pm$ 0.284 χ^2 /NDF: 626293.7/10

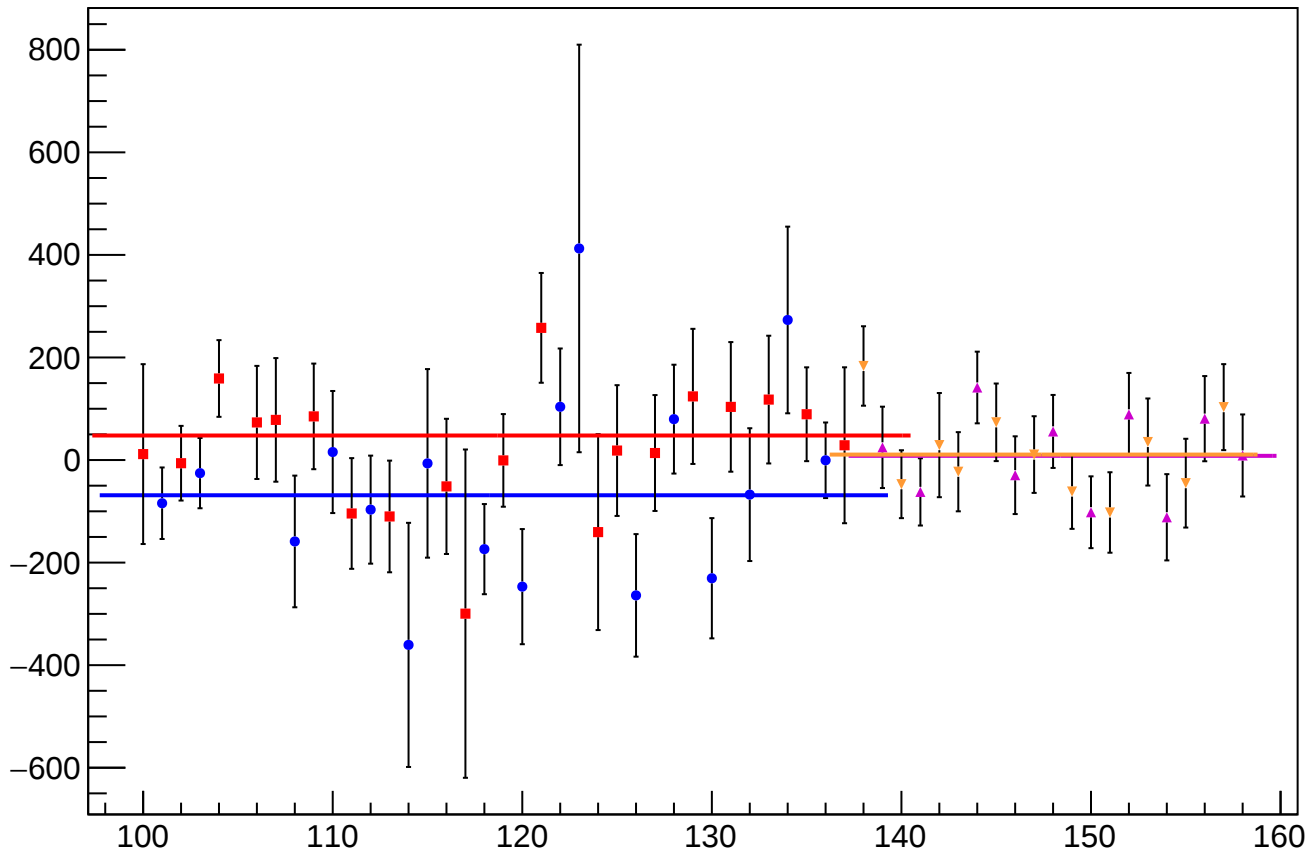
Right Out: 950.615 $\pm$ 0.253 χ^2 /NDF: 220931.3/19

Left In: 1177.872 $\pm$ 0.301 χ^2 /NDF: 760846.7/9

1020.392 $\pm$ 0.191 χ^2 /NDF: 1077834.8/27

1044.497 $\pm$ 0.194 χ^2 /NDF: 1316190.1/29

diff_bpm0r03X_mean vs Slug



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

Left Out: 10.635 ± 23.710 χ^2/NDF : 11.4/10

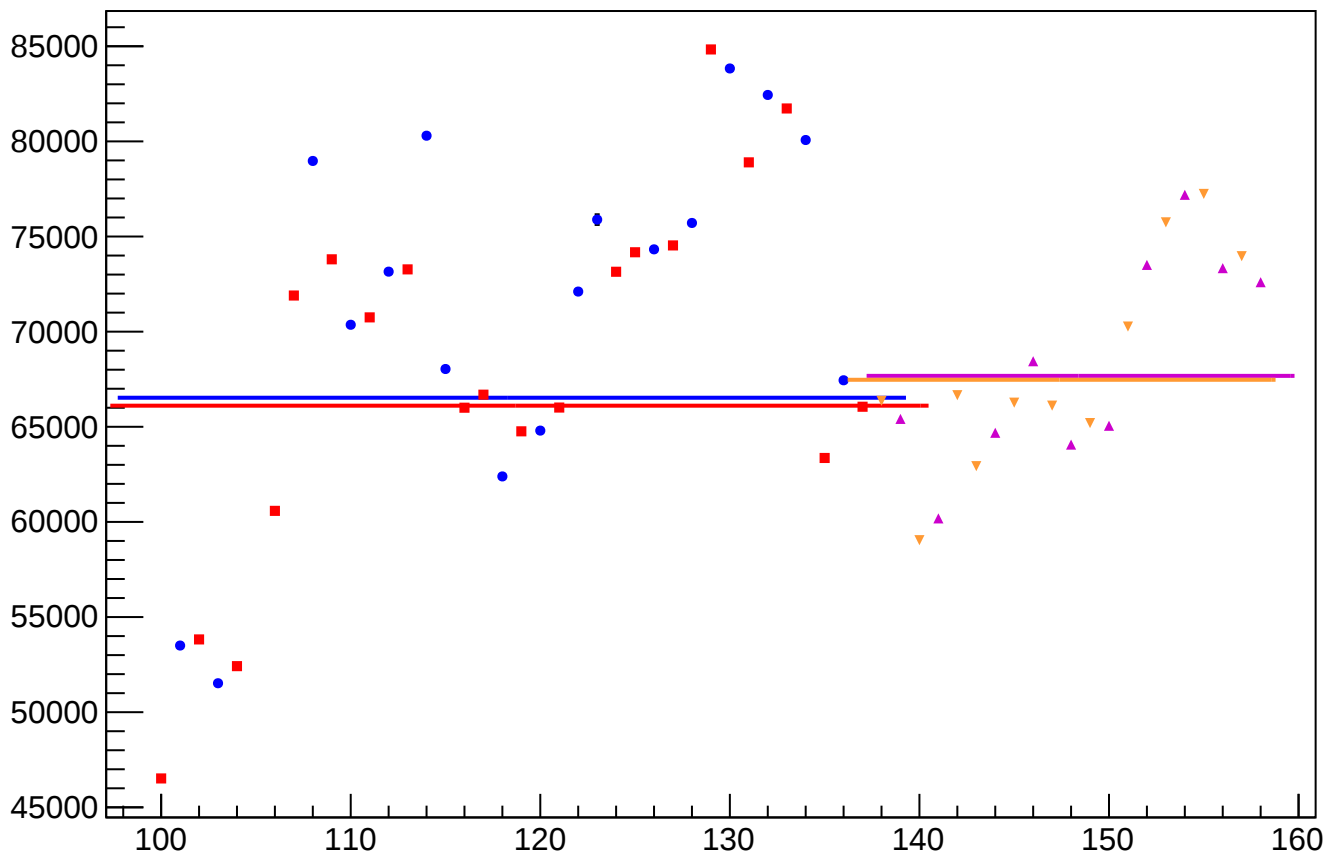
Right Out: 47.835 ± 24.944 χ^2/NDF : 15.2/19

Left In: 8.188 ± 23.787 χ^2/NDF : 11.8/9

-25.463 ± 17.503 χ^2/NDF : 38.3/27

27.071 ± 17.214 χ^2/NDF : 28.3/29

diff_bpm0r03X_rms vs Slug



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

Left Out: 67470.540+/-16.766 χ^2/NDF : 102016.1/10

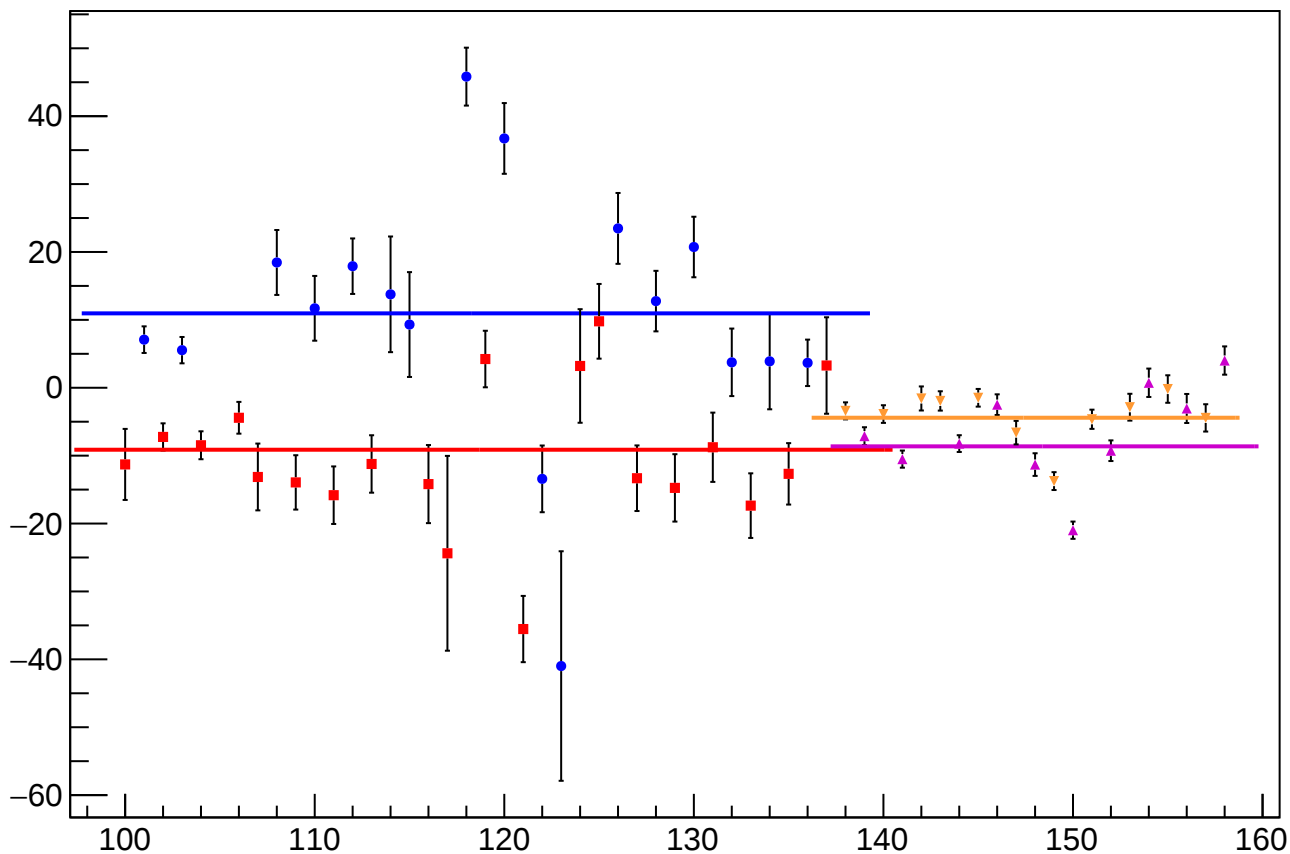
Right Out: 66109.383+/-17.638 χ^2/NDF : 298491.9/19

Left In: 67676.522+/-16.820 χ^2/NDF : 92445.6/9

67041.279+/-12.376 χ^2/NDF : 424343.9/27

66930.123+/-12.172 χ^2/NDF : 395072.1/29

diff_bpm0r03Y_mean vs Slug



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

Left Out: -4.415 ± 0.457 χ^2/NDF : 68.4/10

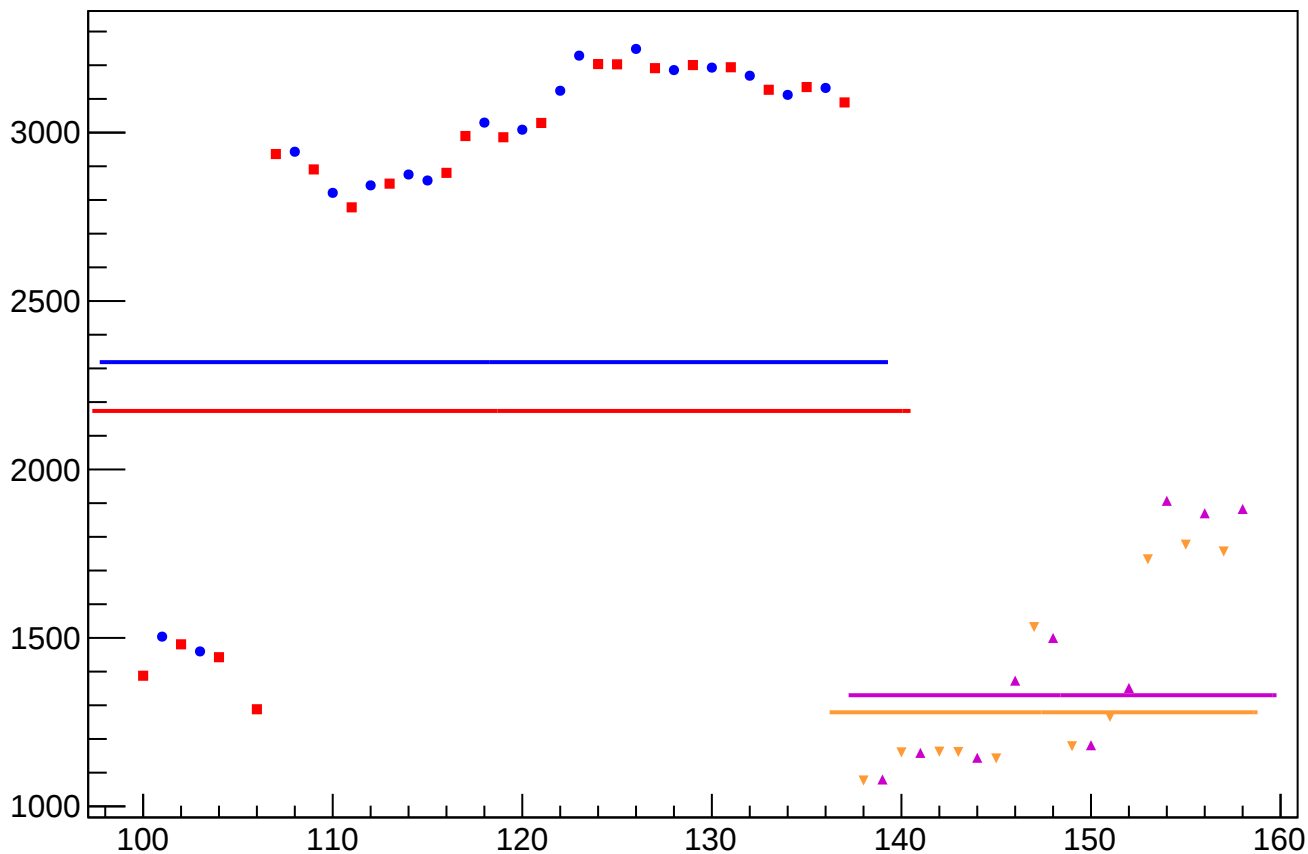
Right Out: -9.127 ± 0.865 χ^2/NDF : 74.2/19

Left In: -8.630 ± 0.477 χ^2/NDF : 180.8/9

-1.490 ± 0.411 χ^2/NDF : 444.5/27

-8.746 ± 0.418 χ^2/NDF : 255.3/29

diff_bpm0r03Y_rms vs Slug



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

Left Out: 1279.200+/-0.323 χ^2/NDF :506566.3/10

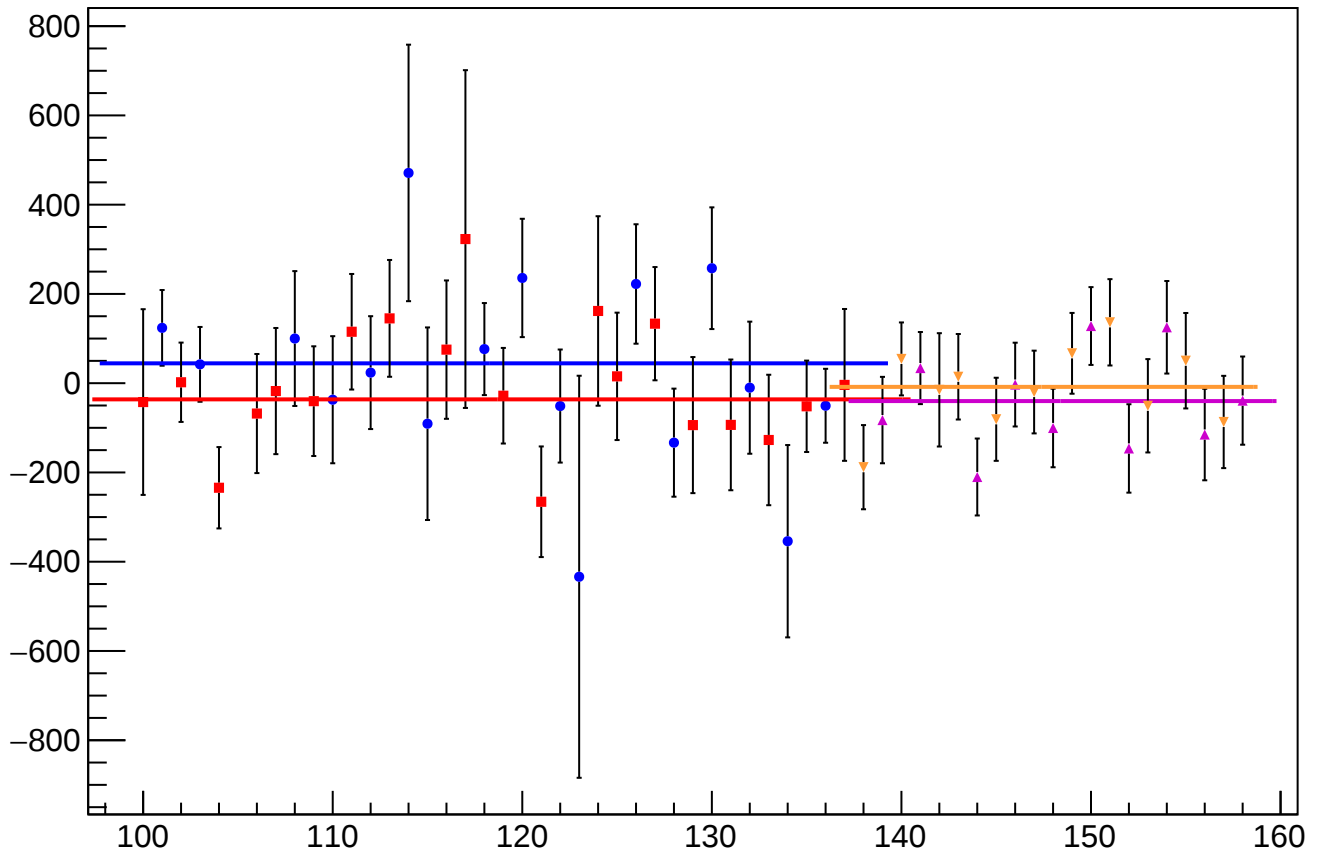
Right Out: 2173.762+/-0.611 χ^2/NDF : 1760181.2/19

Left In: 1329.882+/-0.338 χ^2/NDF :625912.1/9

1476.953+/-0.291 χ^2/NDF : 3881724.9/27

1526.978+/-0.296 χ^2/NDF : 3845817.7/29

diff_bpm0r05X_mean vs Slug



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

Left Out: -8.256+/-29.282 χ^2/NDF : 8.9/10

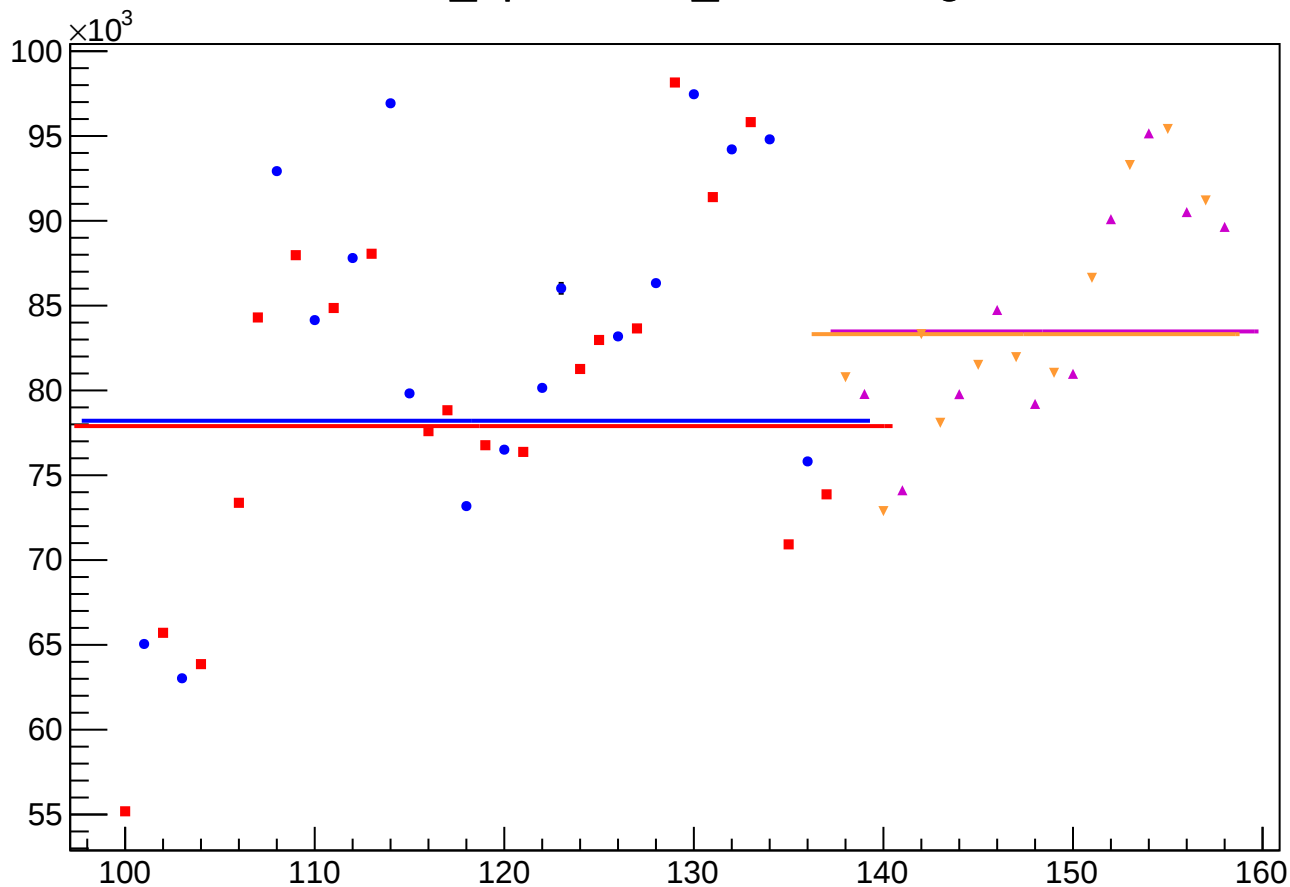
Right Out: -36.251+/-29.346 χ^2/NDF : 16.7/19

Left In: -40.083+/-29.344 χ^2/NDF : 13.5/9

17.098+/-21.100 χ^2/NDF : 29.5/27

-38.167+/-20.750 χ^2/NDF : 30.2/29

diff_bpm0r05X_rms vs Slug



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

Left Out: 83318.638 ± 20.705 χ^2/NDF : 100195.0/10

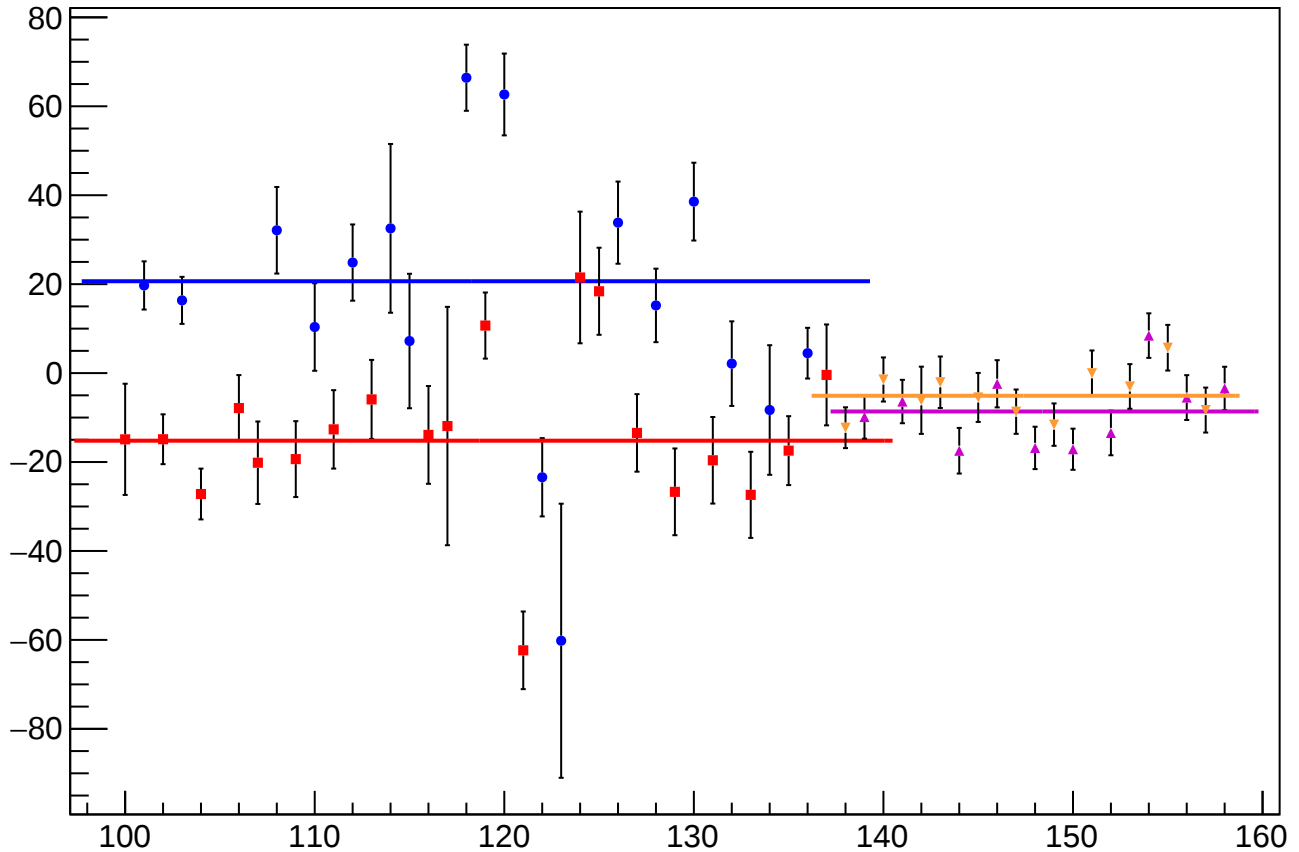
Right Out: 77897.594 ± 20.751 χ^2/NDF : 246982.5/19

Left In: 83477.903 ± 20.749 χ^2/NDF : 91684.7/9

80864.142 ± 14.920 χ^2/NDF : 380483.3/27

80687.957 ± 14.673 χ^2/NDF : 374828.2/29

diff_bpm0r05Y_mean vs Slug



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

Left Out: -5.099+/-1.566 χ^2/NDF : 11.6/10

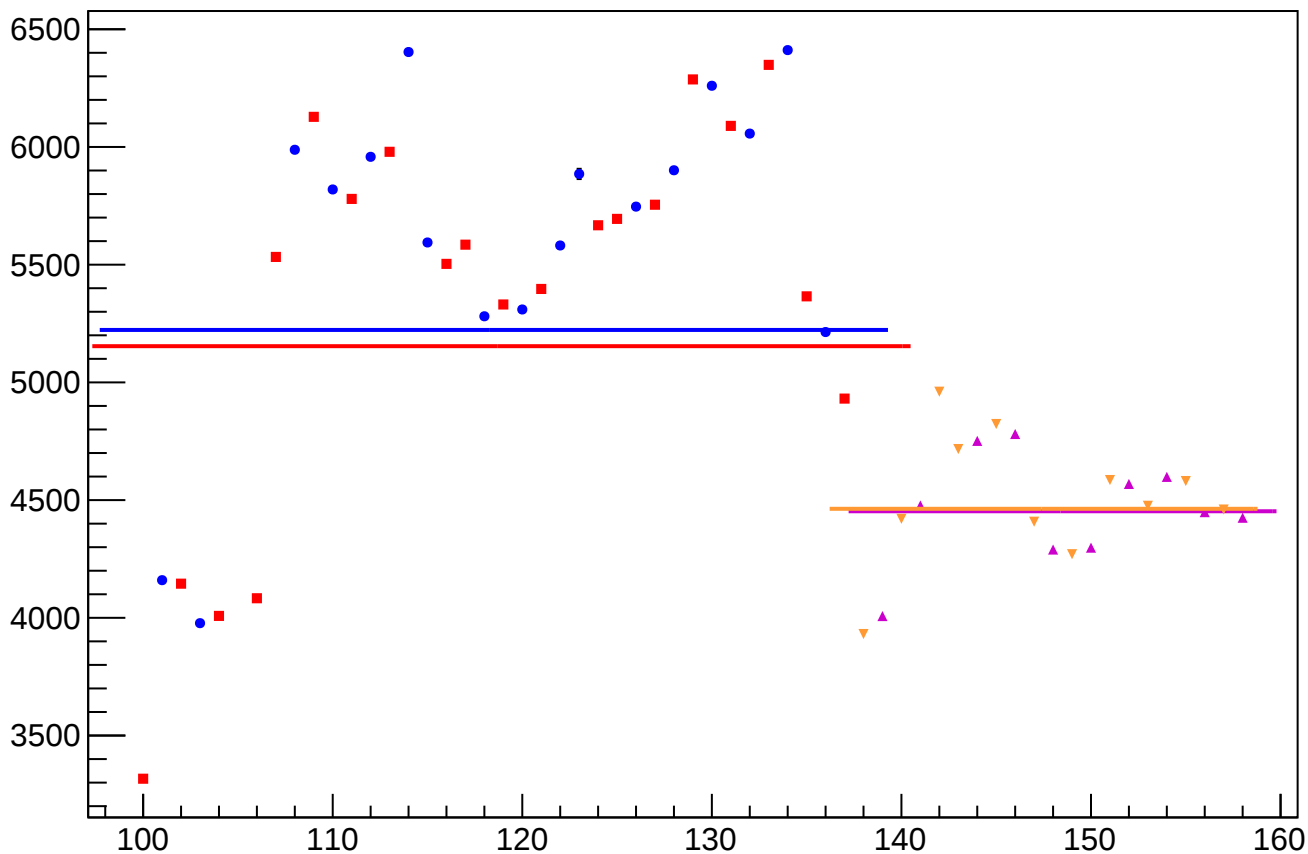
Right Out: -15.198+/-1.950 χ^2/NDF : 71.3/19

Left In: -8.632+/-1.563 χ^2/NDF : 25.0/9

4.477+/-1.241 χ^2/NDF : 229.9/27

-11.201+/-1.219 χ^2/NDF : 103.2/29

diff_bpm0r05Y_rms vs Slug



Right In: 5222.767+/-1.440 χ^2/NDF : 312497.9/16

Left Out: 4463.064+/-1.107 χ^2/NDF : 53803.9/10

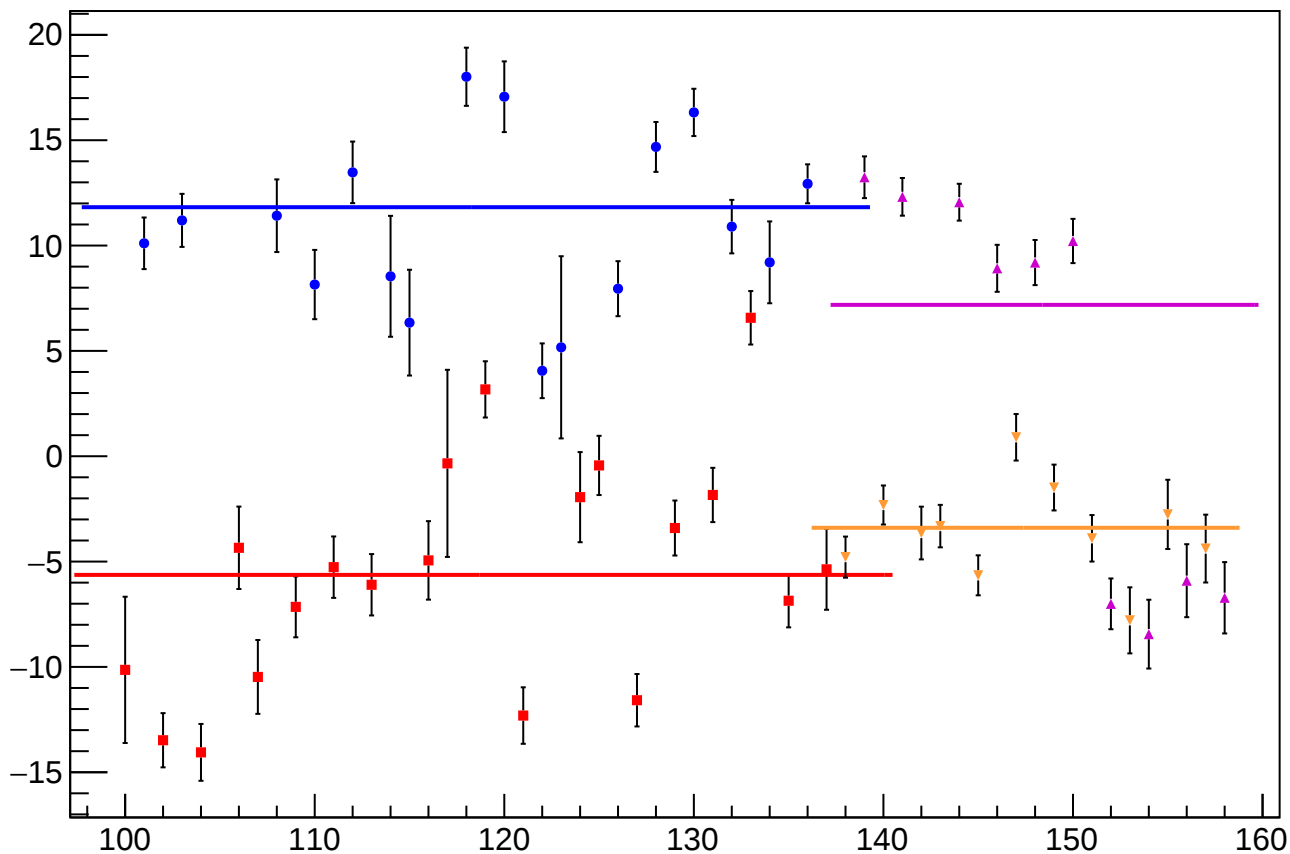
Right Out: 5153.826+/-1.379 χ^2/NDF : 388205.9/19

Left In: 4452.616+/-1.105 χ^2/NDF : 38579.5/9

4745.509+/-0.878 χ^2/NDF : 541255.6/27

4726.976+/-0.862 χ^2/NDF : 584289.2/29

diff_bpm2i01X_mean vs Slug



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

Left Out: -3.396+/-0.341 χ^2/NDF : 35.9/10

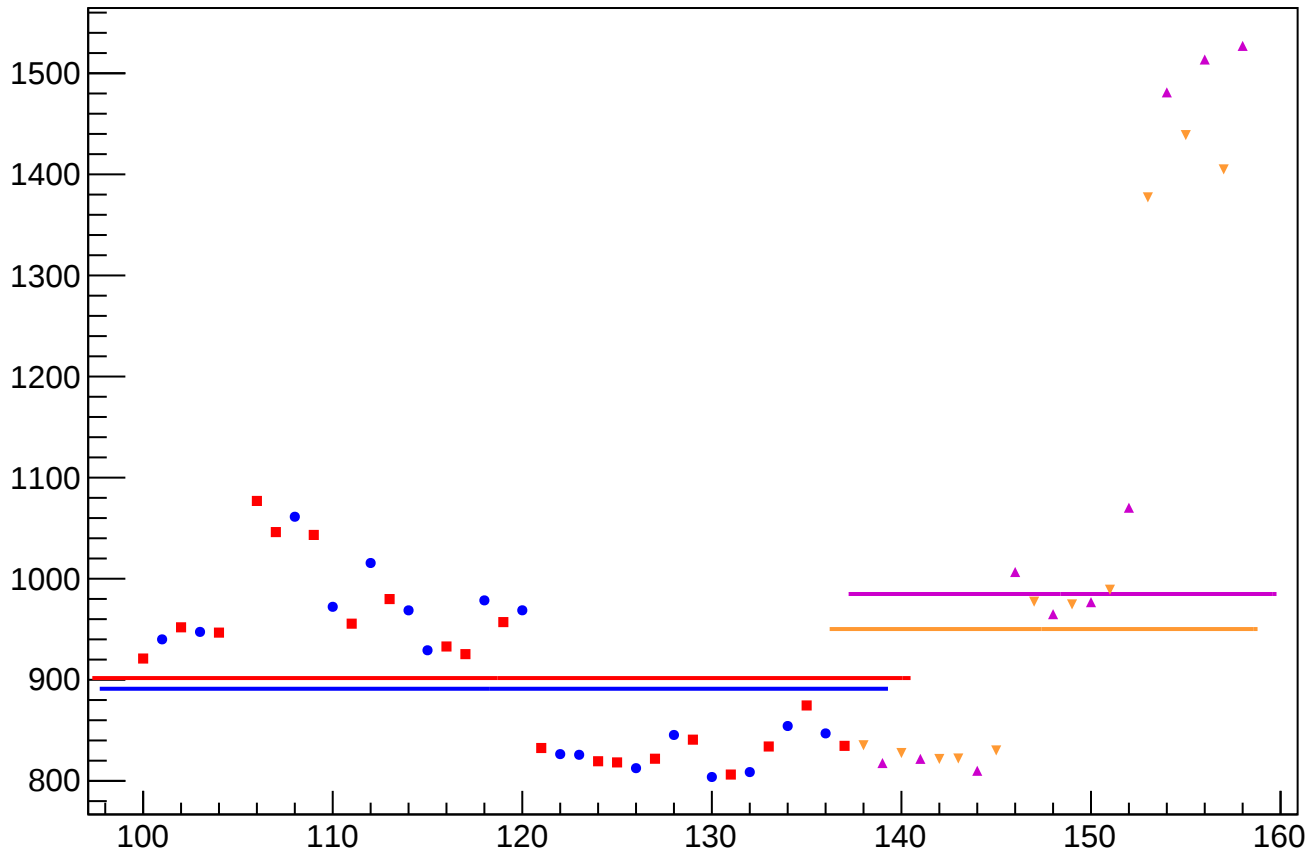
Right Out: -5.632+/-0.337 χ^2/NDF : 301.6/19

Left In: 7.185+/-0.356 χ^2/NDF : 470.5/9

4.136+/-0.242 χ^2/NDF : 1138.3/27

0.440+/-0.245 χ^2/NDF : 1455.4/29

diff_bpm2i01X_rms vs Slug



Right In: 891.149+/-0.244 χ^2/NDF : 101659.1/16

Left Out: 950.222+/-0.241 χ^2/NDF : 637593.9/10

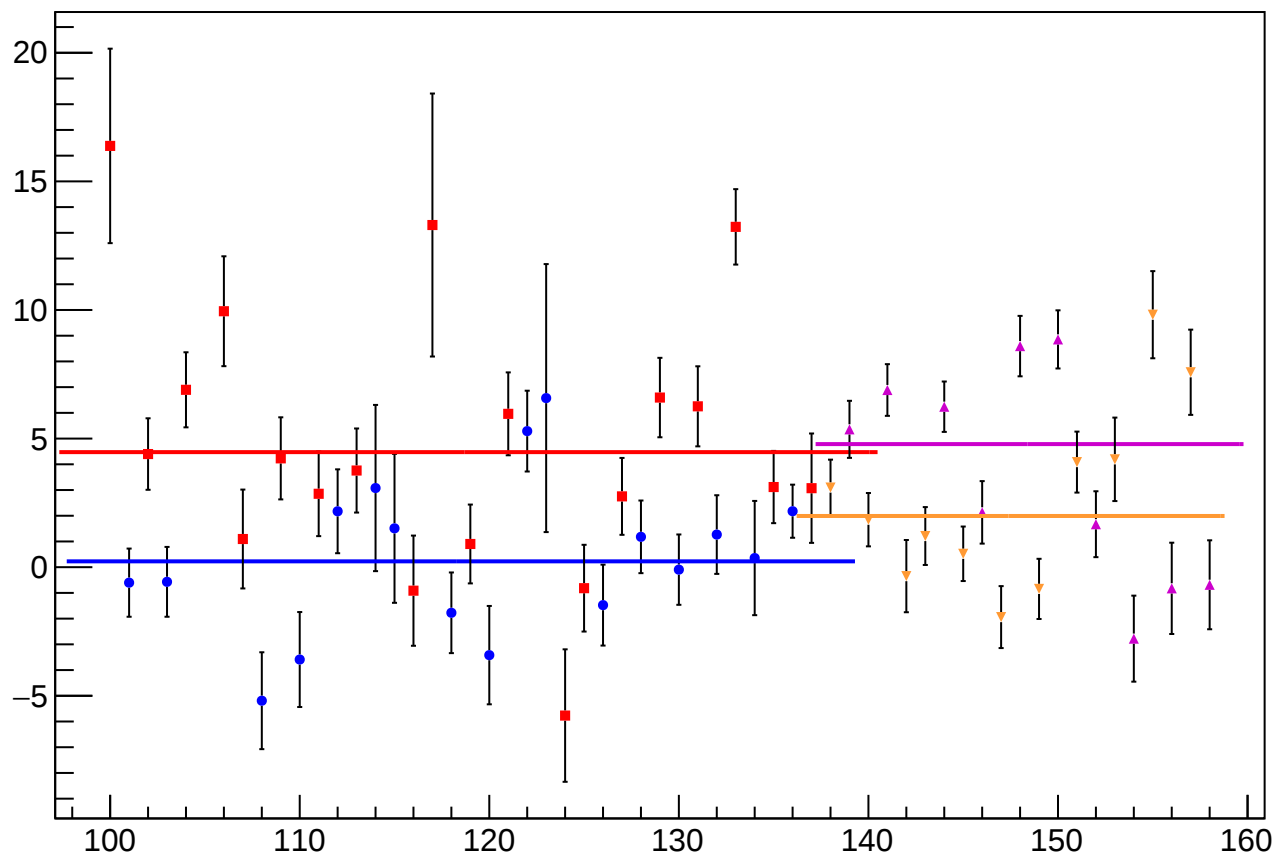
Right Out: 901.725+/-0.239 χ^2/NDF : 114648.1/19

Left In: 984.889+/-0.251 χ^2/NDF : 791263.1/9

920.983+/-0.171 χ^2/NDF : 768952.6/27

941.129+/-0.173 χ^2/NDF : 963453.1/29

diff_bpm2i01Y_mean vs Slug



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

Left Out: 1.991 ± 0.373 χ^2/NDF : 60.4/10

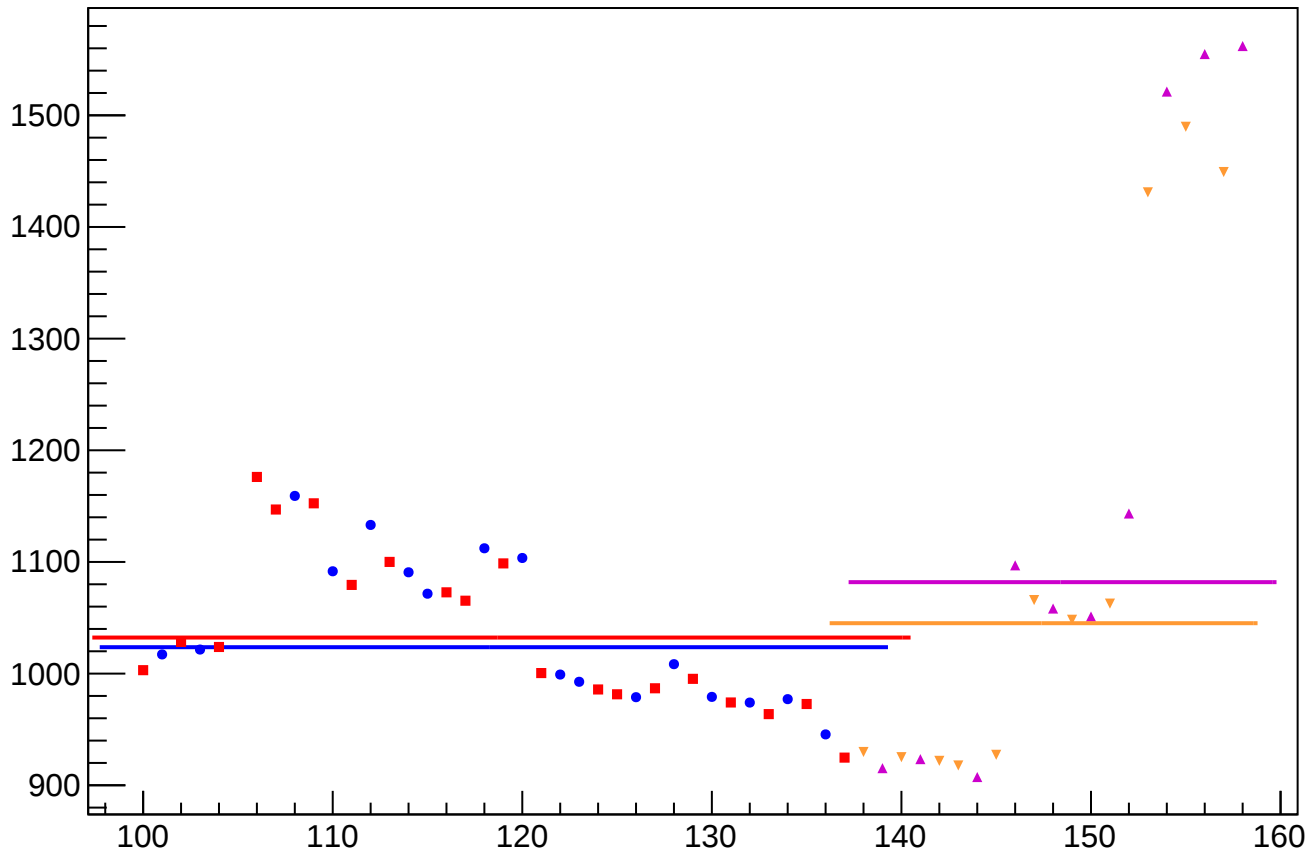
Right Out: 4.473 ± 0.386 χ^2/NDF : 106.3/19

Left In: 4.786 ± 0.388 χ^2/NDF : 81.5/9

1.160 ± 0.271 χ^2/NDF : 109.5/27

4.629 ± 0.273 χ^2/NDF : 188.1/29

diff_bpm2i01Y_rms vs Slug



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

Left Out: 1045.143+/-0.264 χ^2/NDF : 486057.0/10

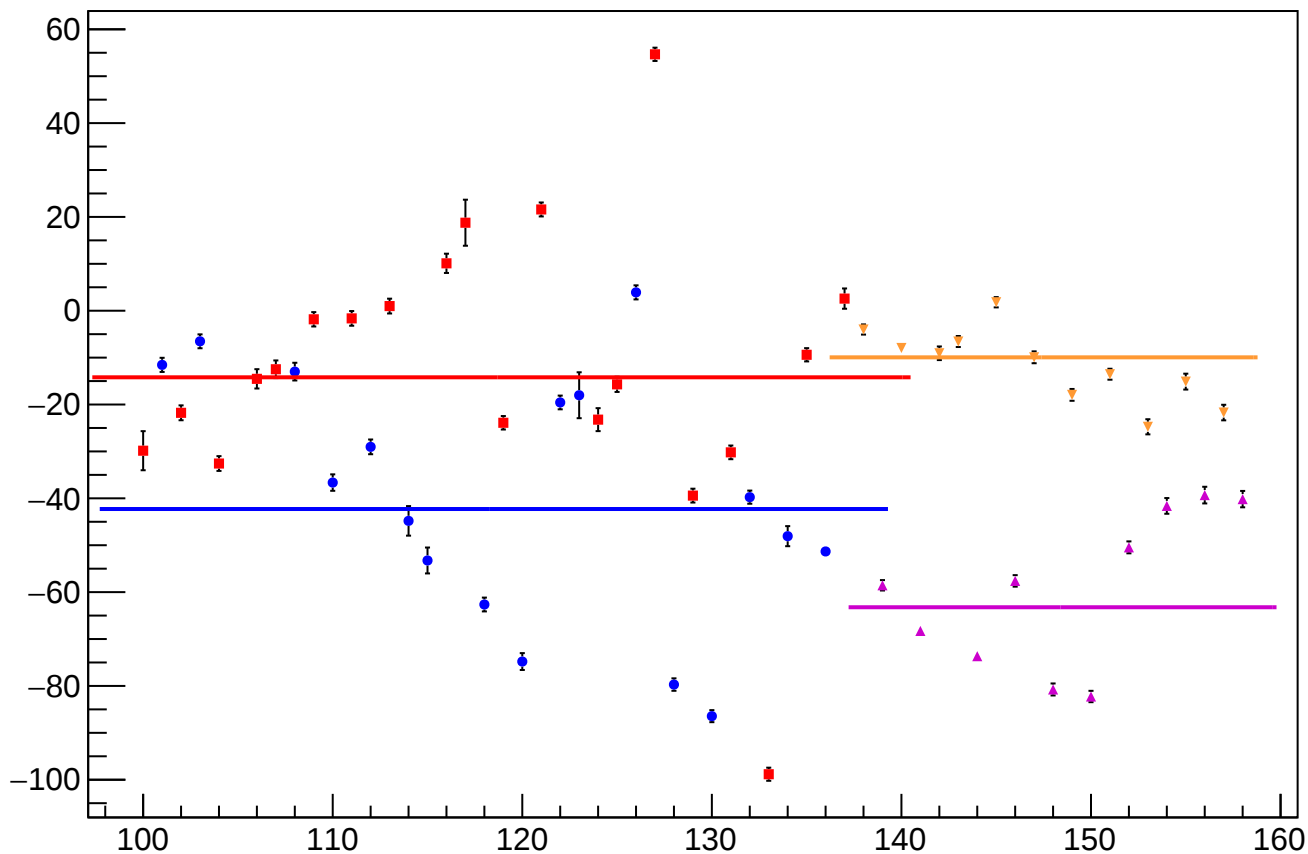
Right Out: 1032.296+/-0.273 χ^2/NDF : 59475.4/19

Left In: 1081.905+/-0.274 χ^2/NDF : 599807.9/9

1035.017+/-0.192 χ^2/NDF : 541560.6/27

1056.959+/-0.193 χ^2/NDF : 675740.0/29

diff_bpm2i02X_mean vs Slug



Right In: -42.278 ± 0.387 $\chi^2/\text{NDF}: 5126.8/16$

Left Out: -9.941 ± 0.382 $\chi^2/\text{NDF}: 350.1/10$

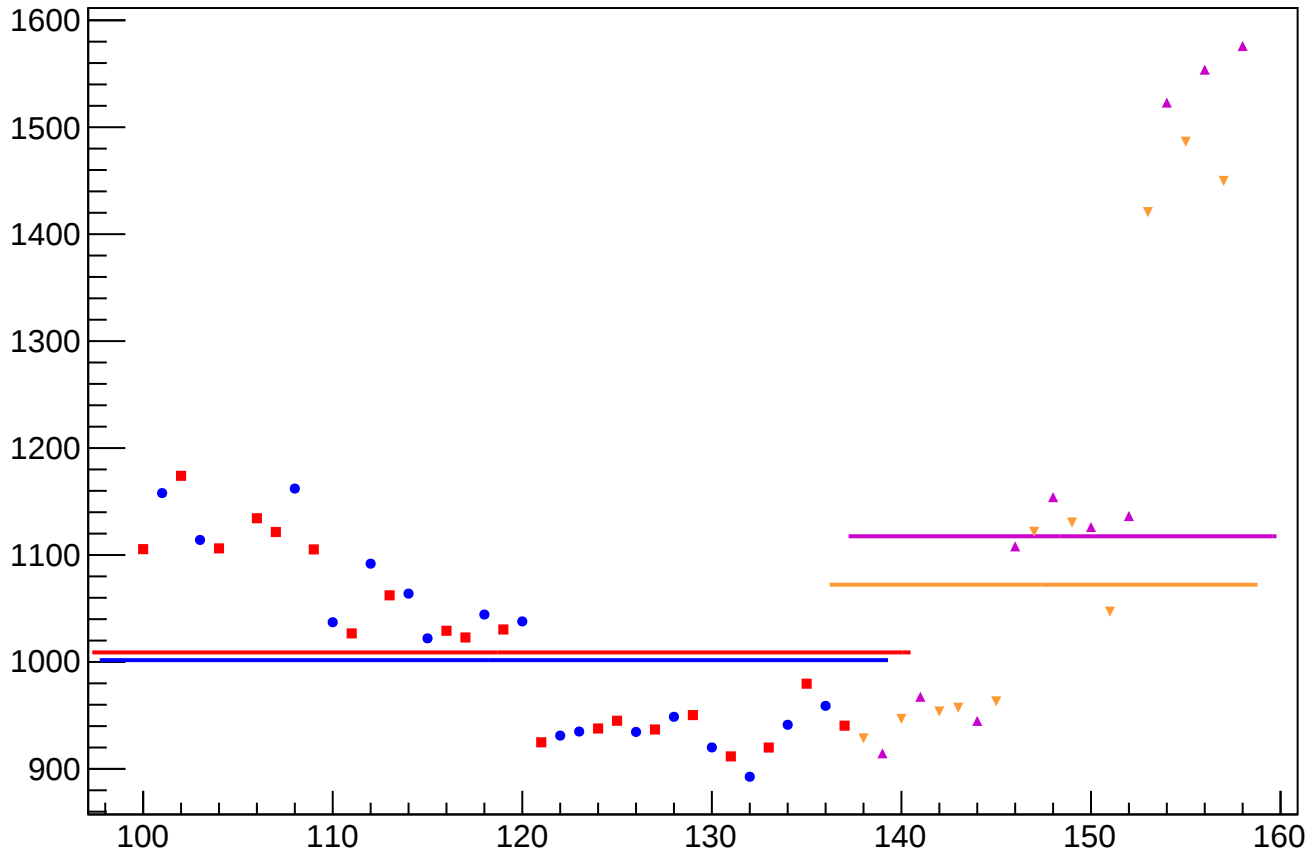
Right Out: -14.197 ± 0.377 $\chi^2/\text{NDF}: 7715.1/19$

Left In: -63.225 ± 0.400 $\chi^2/\text{NDF}: 1222.8/9$

-25.899 ± 0.272 $\chi^2/\text{NDF}: 9011.2/27$

-37.283 ± 0.274 $\chi^2/\text{NDF}: 16886.9/29$

diff_bpm2i02X_rms vs Slug



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

Left Out: 1072.236 $\pm$ 0.270 χ^2 /NDF: 439996.9/10

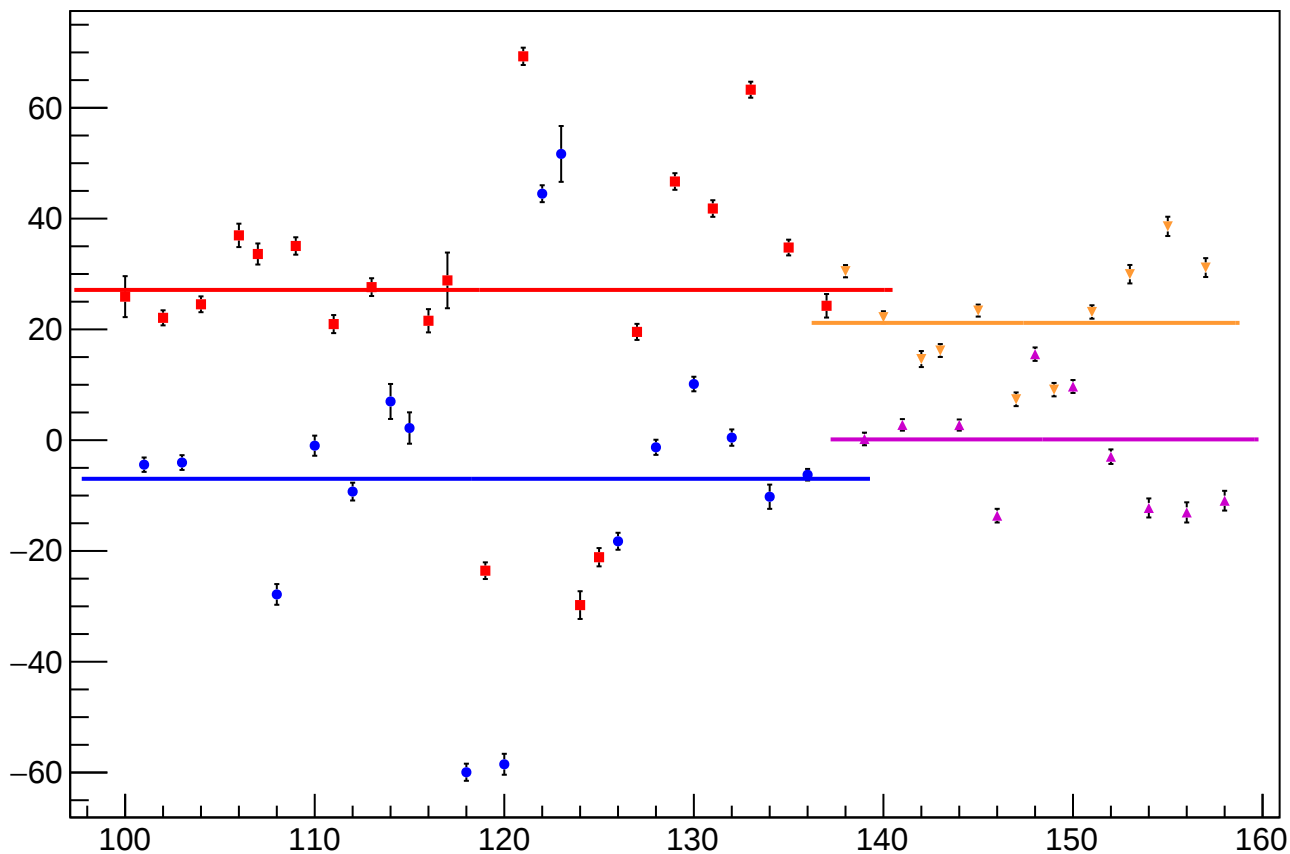
Right Out: 1008.931 $\pm$ 0.267 χ^2 /NDF: 95366.1/19

Left In: 1117.530 $\pm$ 0.283 χ^2 /NDF: 542953.0/9

1037.431 $\pm$ 0.192 χ^2 /NDF: 569102.9/27

1060.067 $\pm$ 0.194 χ^2 /NDF: 716322.9/29

diff_bpm2i02Y_mean vs Slug



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

Left Out: 21.176 ± 0.384 χ^2/NDF : 502.6/10

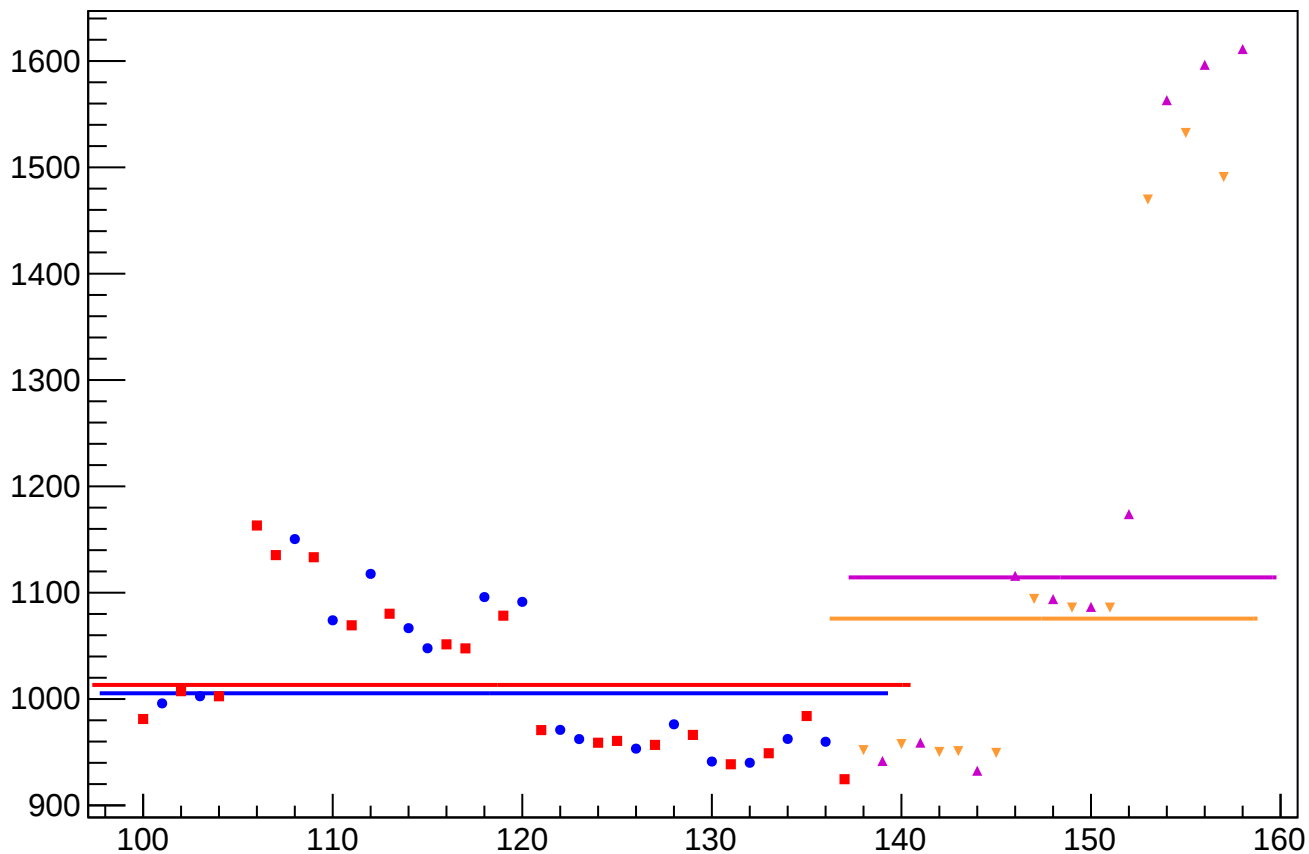
Right Out: 27.125 ± 0.379 χ^2/NDF : 4283.6/19

Left In: 0.138 ± 0.399 χ^2/NDF : 512.8/9

7.257 ± 0.273 χ^2/NDF : 6801.1/27

14.353 ± 0.275 χ^2/NDF : 7202.3/29

diff_bpm2i02Y_rms vs Slug



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

Left Out: 1075.640+/-0.271 χ^2/NDF : 482776.1/10

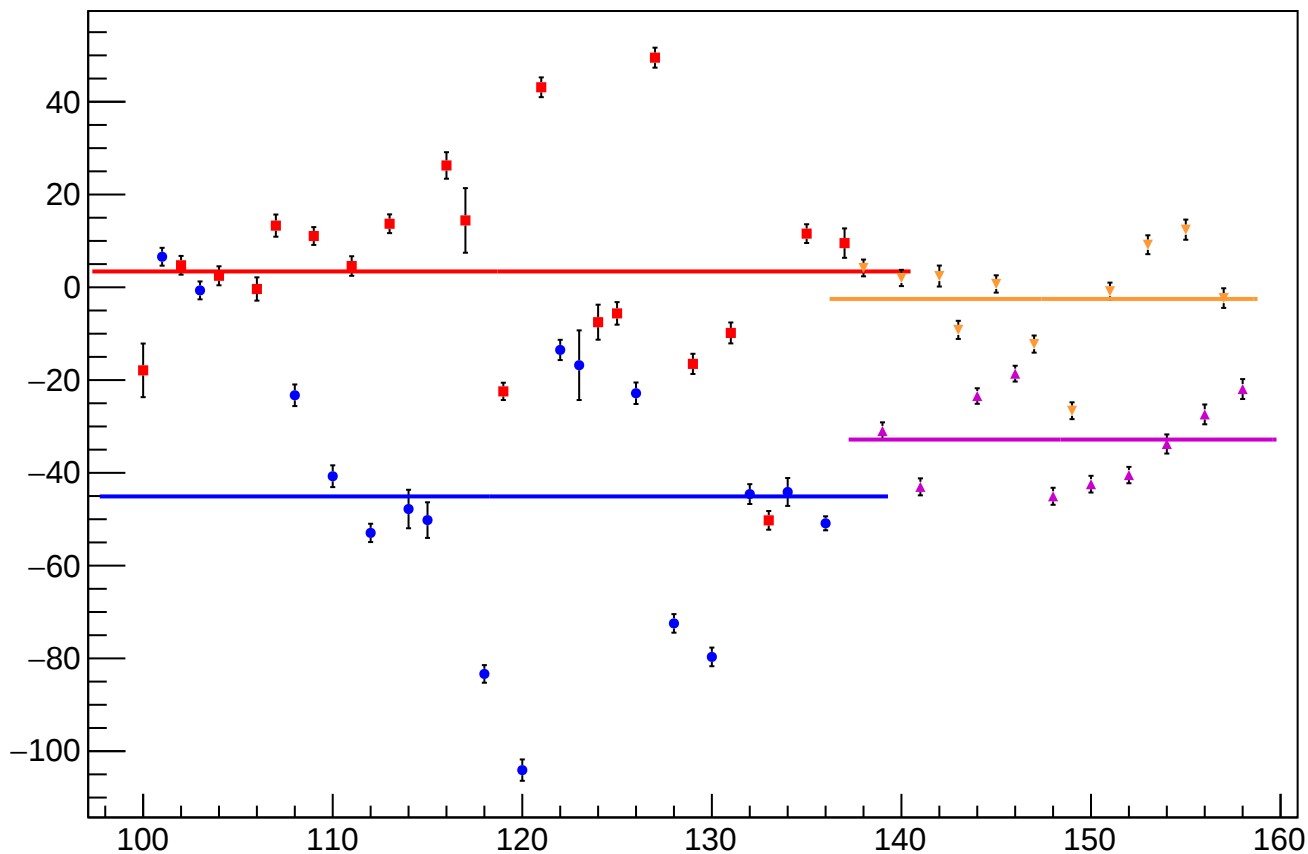
Right Out: 1013.260+/-0.268 χ^2/NDF : 63359.8/19

Left In: 1114.408+/-0.282 χ^2/NDF : 592924.3/9

1040.914+/-0.193 χ^2/NDF : 570497.3/27

1061.129+/-0.194 χ^2/NDF : 723872.9/29

diff_bpm0i02X_mean vs Slug



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

Left Out: -2.507 ± 0.583 χ^2/NDF : 324.9/10

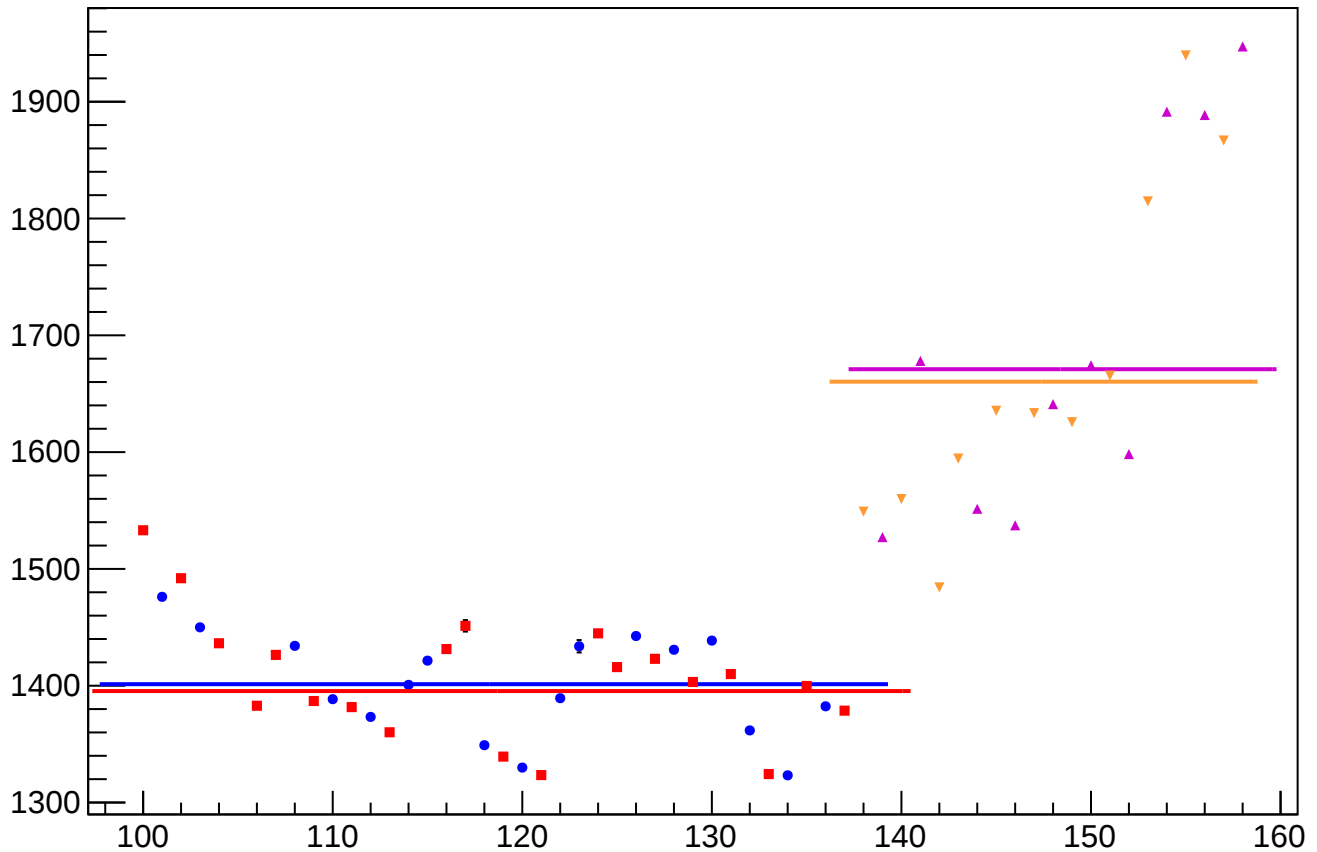
Right Out: 3.419 ± 0.520 χ^2/NDF : 2008.2/19

Left In: -32.824 ± 0.588 χ^2/NDF : 257.0/9

-25.438 ± 0.396 χ^2/NDF : 6434.2/27

-12.486 ± 0.390 χ^2/NDF : 4394.1/29

diff_bpm0i02X_rms vs Slug



Right In: 1401.307 ± 0.382 $\chi^2/\text{NDF}: 12852.1/16$

Left Out: 1660.317 ± 0.412 $\chi^2/\text{NDF}: 93763.4/10$

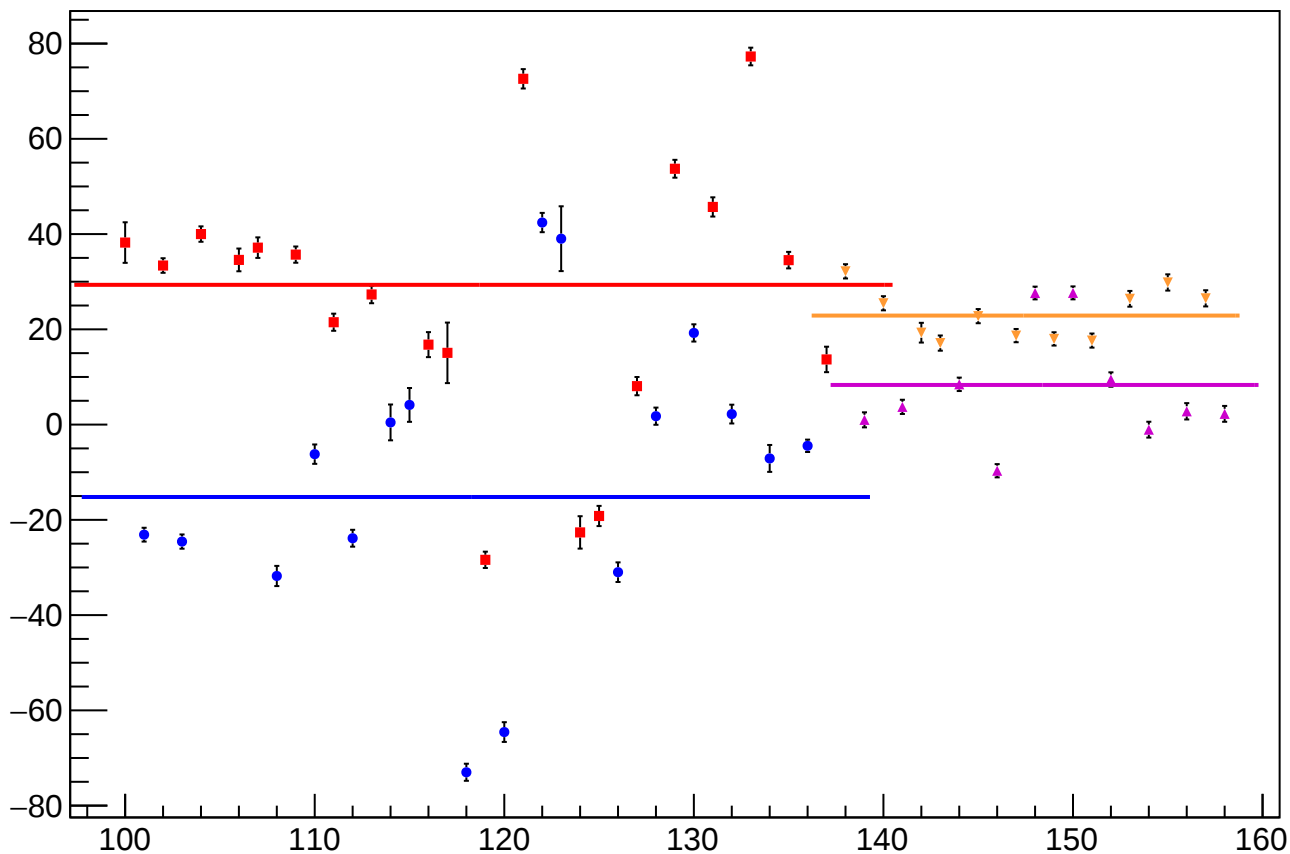
Right Out: 1395.419 ± 0.368 $\chi^2/\text{NDF}: 15649.3/19$

Left In: 1670.976 ± 0.416 $\chi^2/\text{NDF}: 115227.9/9$

1520.809 ± 0.280 $\chi^2/\text{NDF}: 319147.8/27$

1516.344 ± 0.276 $\chi^2/\text{NDF}: 377003.4/29$

diff_bpm0i02Y_mean vs Slug



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

Left Out: 22.890 ± 0.471 χ^2/NDF : 117.2/10

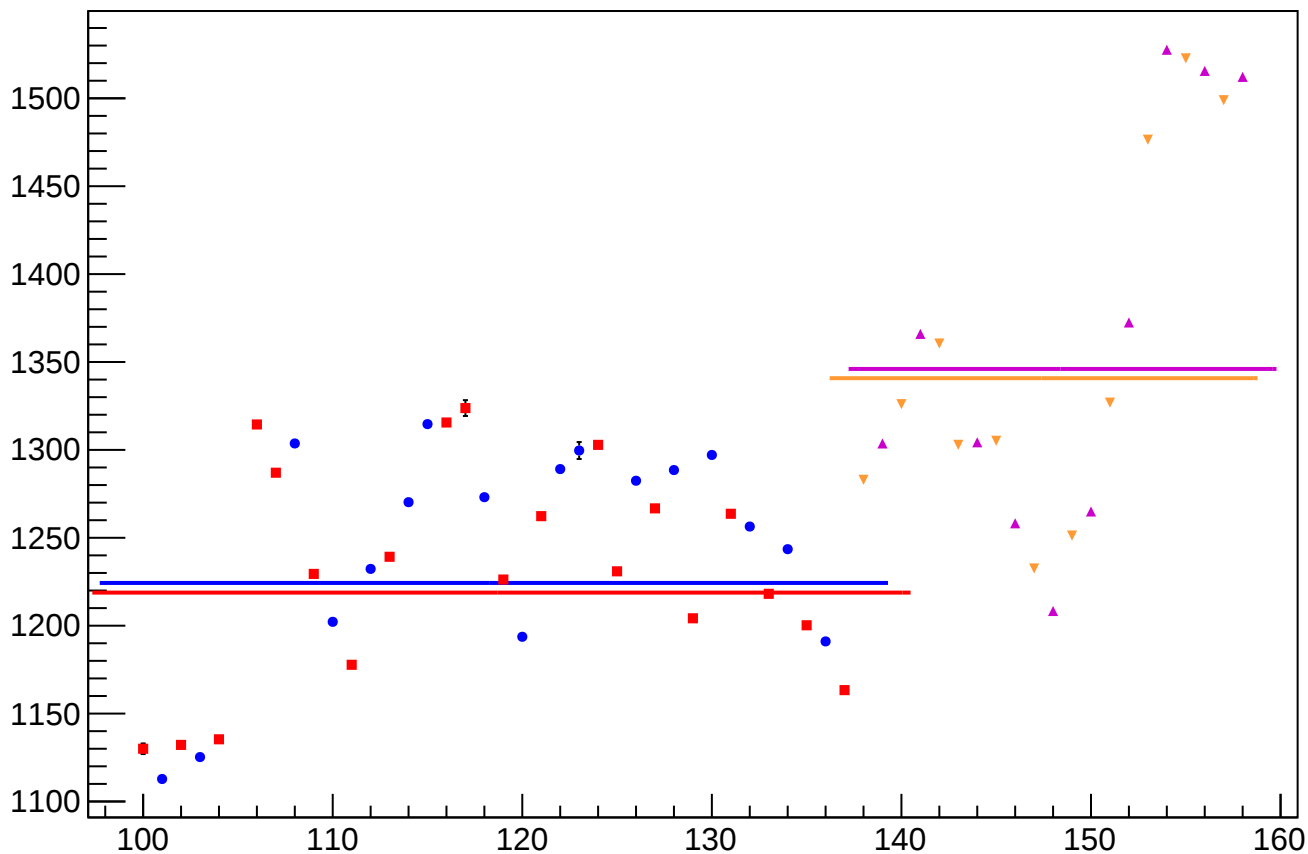
Right Out: 29.344 ± 0.455 χ^2/NDF : 3549.9/19

Left In: 8.323 ± 0.473 χ^2/NDF : 663.5/9

3.904 ± 0.333 χ^2/NDF : 6744.8/27

19.248 ± 0.328 χ^2/NDF : 5238.4/29

diff_bpm0i02Y_rms vs Slug



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

Left Out: 1340.791+/-0.333 χ^2/NDF : 79623.8/10

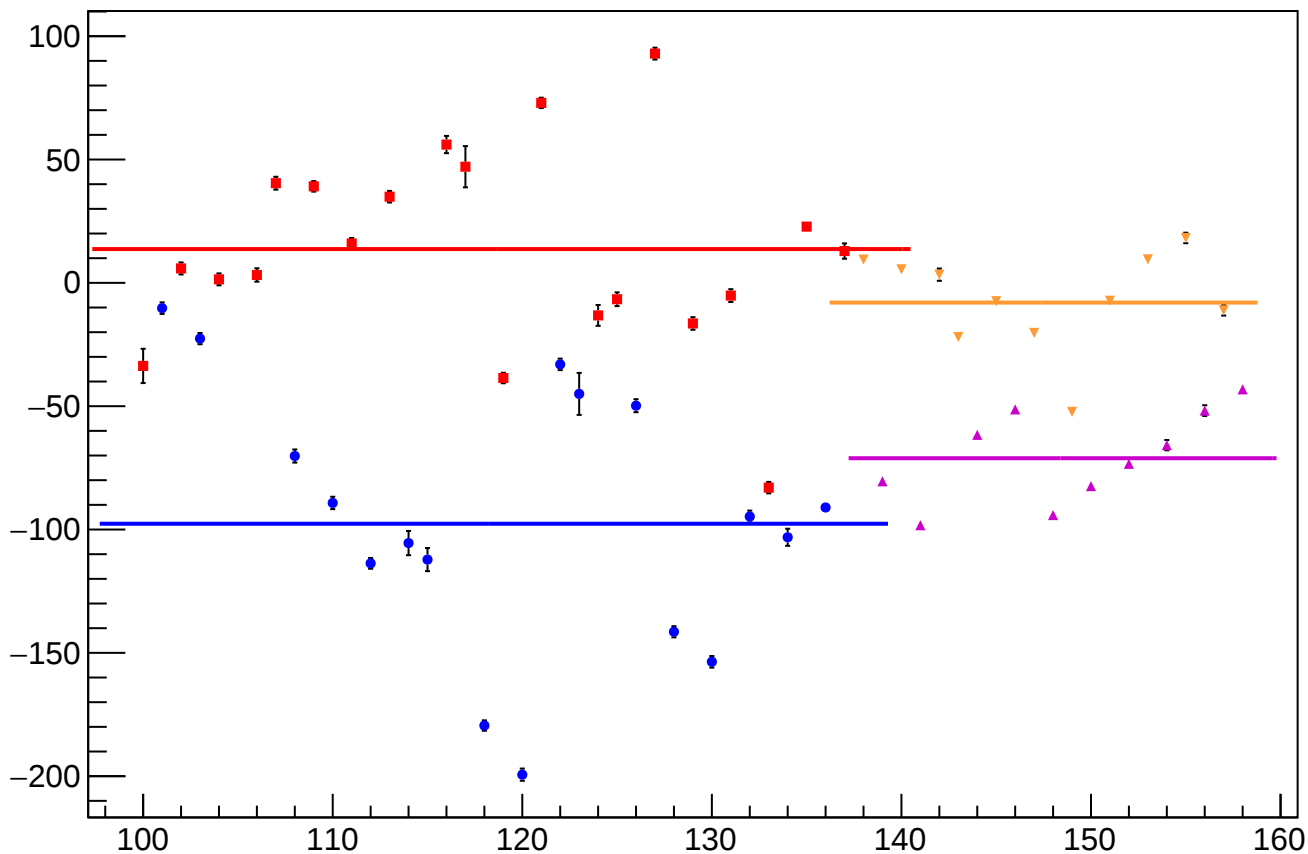
Right Out: 1218.817+/-0.322 χ^2/NDF : 28121.5/19

Left In: 1346.052+/-0.335 χ^2/NDF : 103531.0/9

1282.738+/-0.236 χ^2/NDF : 179454.7/27

1279.923+/-0.232 χ^2/NDF : 206756.1/29

diff_bpm0i02aX_mean vs Slug



Right In: -97.657 $\pm$ 0.601 χ^2 /NDF: 7936.6/16

Left Out: -7.987 $\pm$ 0.588 χ^2 /NDF:1074.9/10

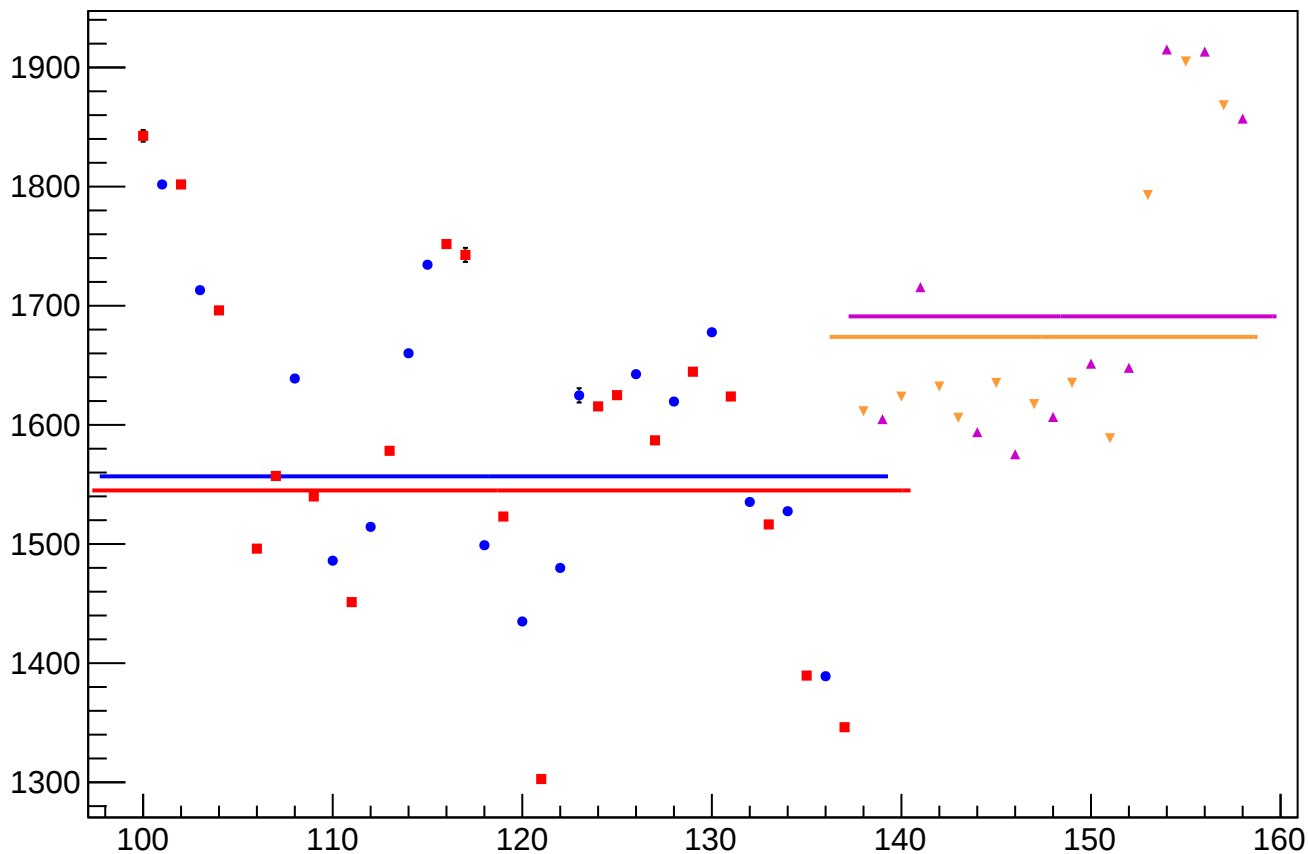
Right Out: 13.698 $\pm$ 0.578 χ^2 /NDF: 5144.2/19

Left In: -71.093 $\pm$ 0.594 χ^2 /NDF:873.2/9

-51.782 $\pm$ 0.420 χ^2 /NDF: 20388.1/27

-27.504 $\pm$ 0.414 χ^2 /NDF: 16475.1/29

diff_bpm0i02aX_rms vs Slug



Right In: 1556.799 ± 0.425 χ^2/NDF : 81549.2/16

Left Out: 1673.877 ± 0.415 χ^2/NDF : 62217.1/10

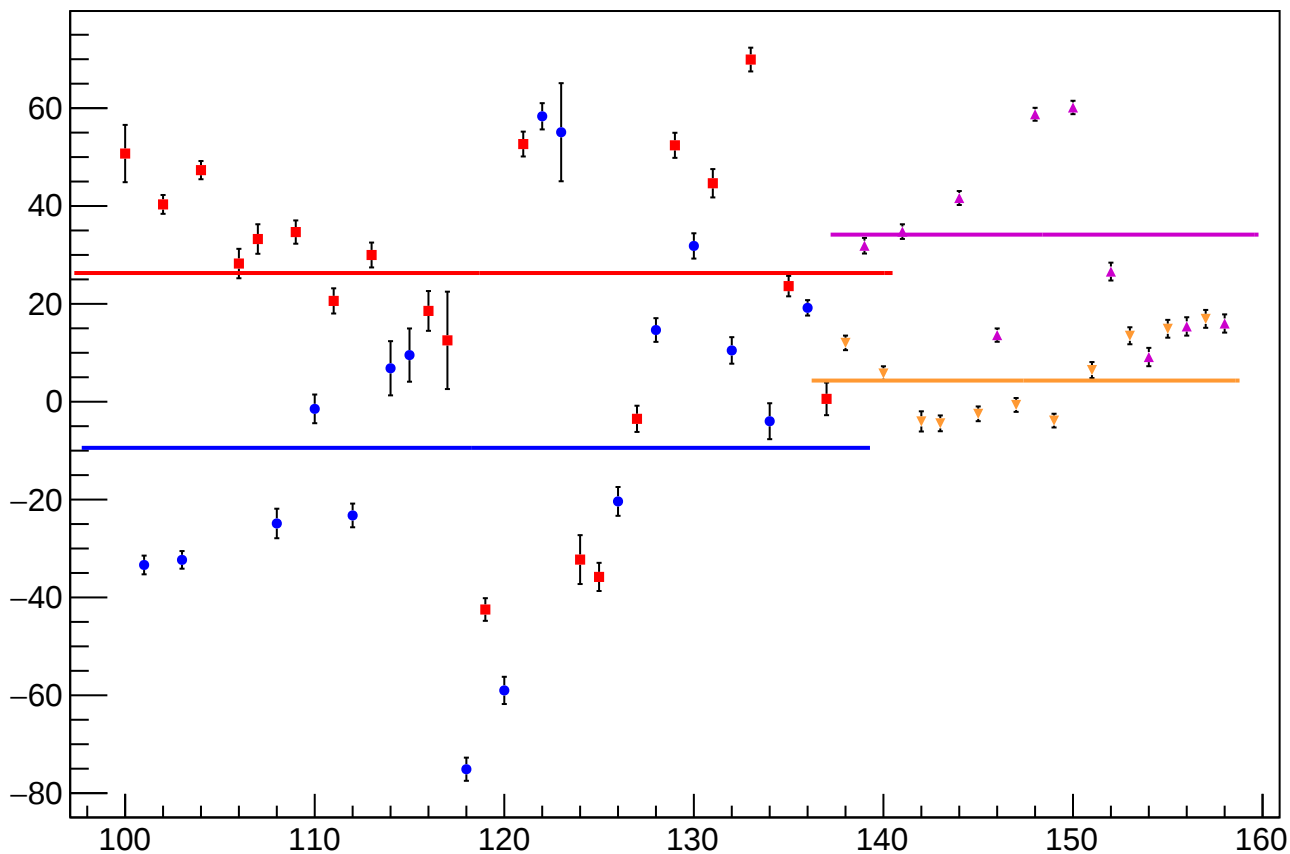
Right Out: 1544.983 ± 0.409 χ^2/NDF : 101624.6/19

Left In: 1691.071 ± 0.420 χ^2/NDF : 83331.4/9

1616.696 ± 0.297 χ^2/NDF : 182554.4/27

1615.971 ± 0.293 χ^2/NDF : 247041.7/29

diff_bpm0i02aY_mean vs Slug



Right In: -9.427 ± 0.626 χ^2/NDF : 2924.1/16

Left Out: 4.325 ± 0.483 χ^2/NDF : 251.0/10

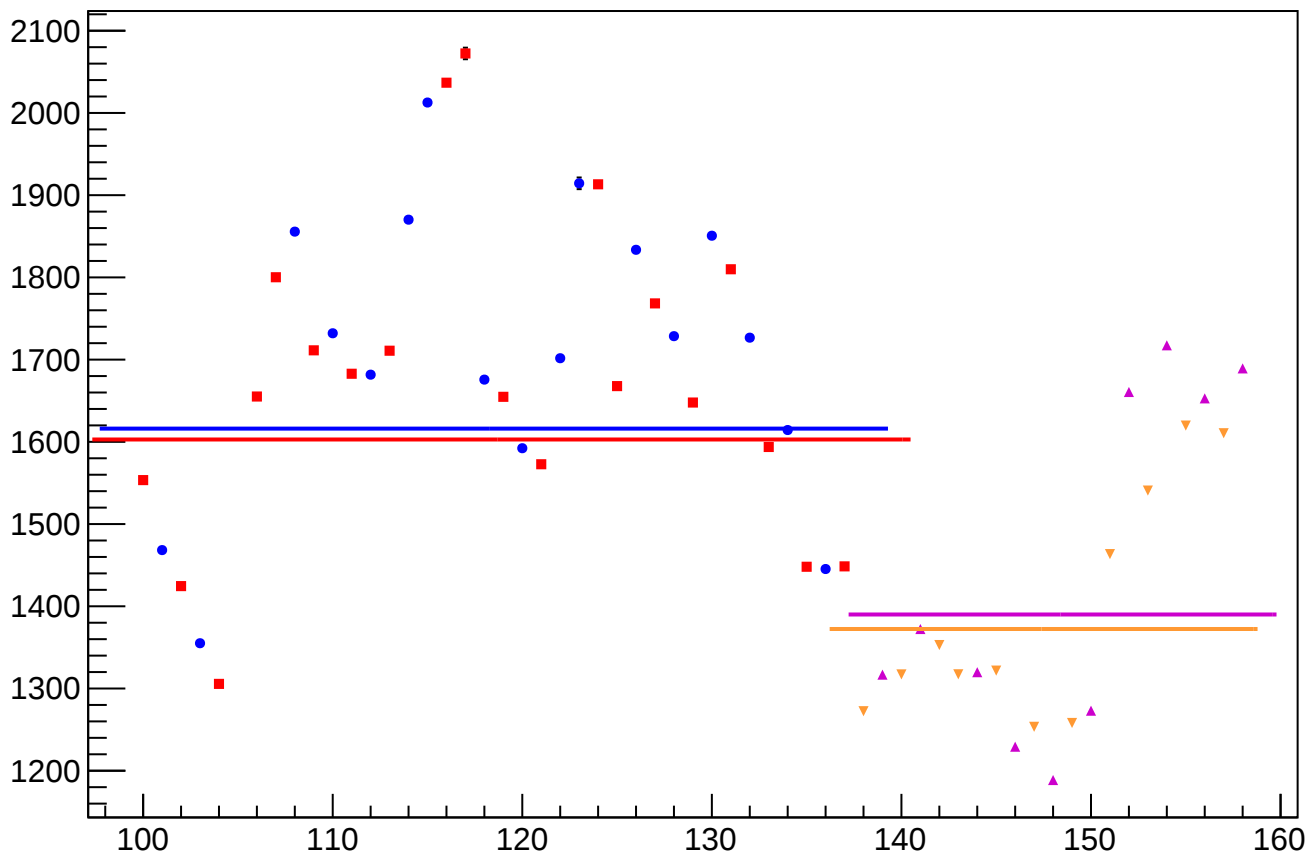
Right Out: 26.304 ± 0.602 χ^2/NDF : 2474.0/19

Left In: 34.149 ± 0.492 χ^2/NDF : 1353.8/9

-0.806 ± 0.383 χ^2/NDF : 3477.2/27

31.005 ± 0.381 χ^2/NDF : 3929.7/29

diff_bpm0i02aY_rms vs Slug



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

Left Out: 1372.381+/-0.342 χ^2/NDF :139811.5/10

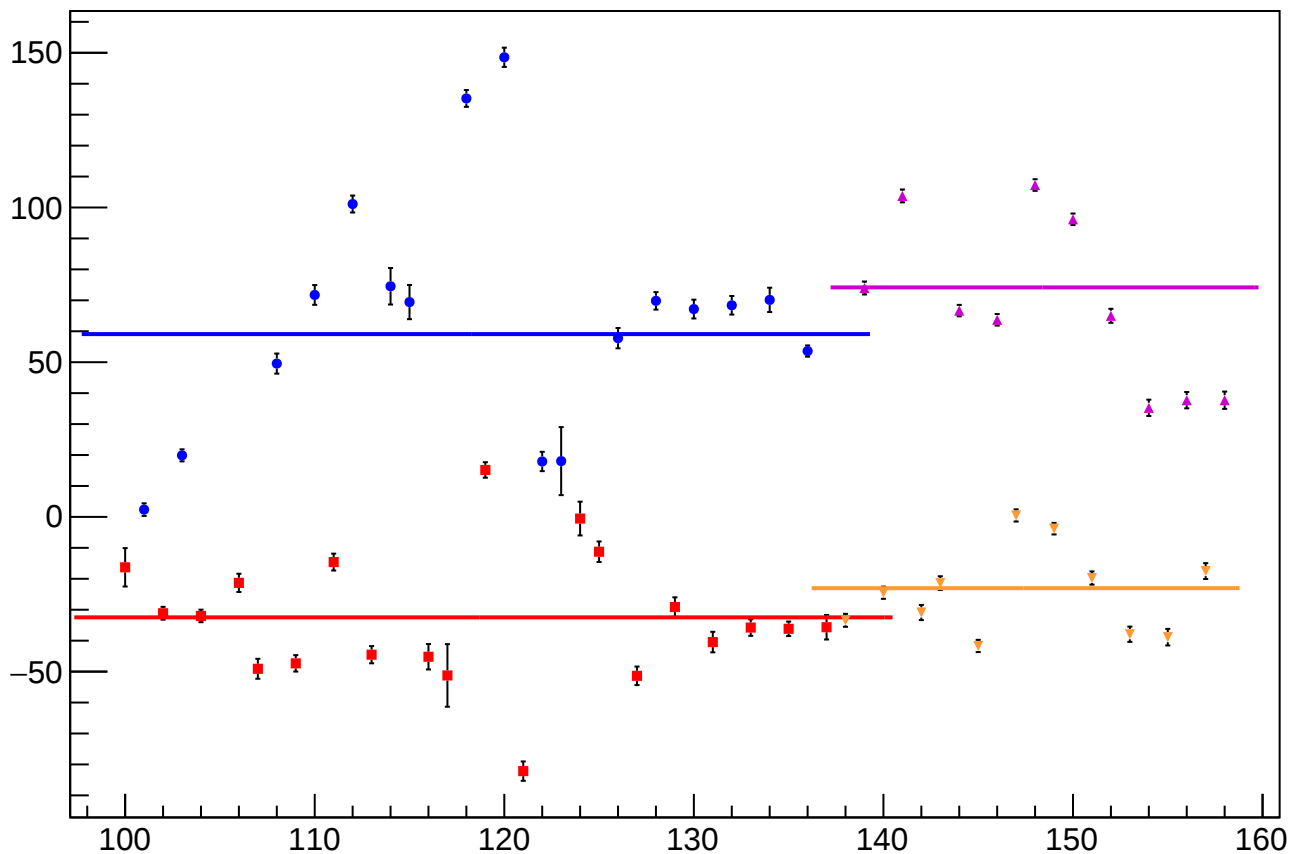
Right Out: 1602.857+/-0.425 χ^2/NDF : 158119.5/19

Left In: 1390.017+/-0.348 χ^2/NDF :294022.9/9

1463.318+/-0.271 χ^2/NDF : 479158.5/27

1475.316+/-0.269 χ^2/NDF : 602106.8/29

diff_bpm0i05X_mean vs Slug



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

Left Out: -23.039 $\pm$ 0.656 χ^2 /NDF: 451.5/10

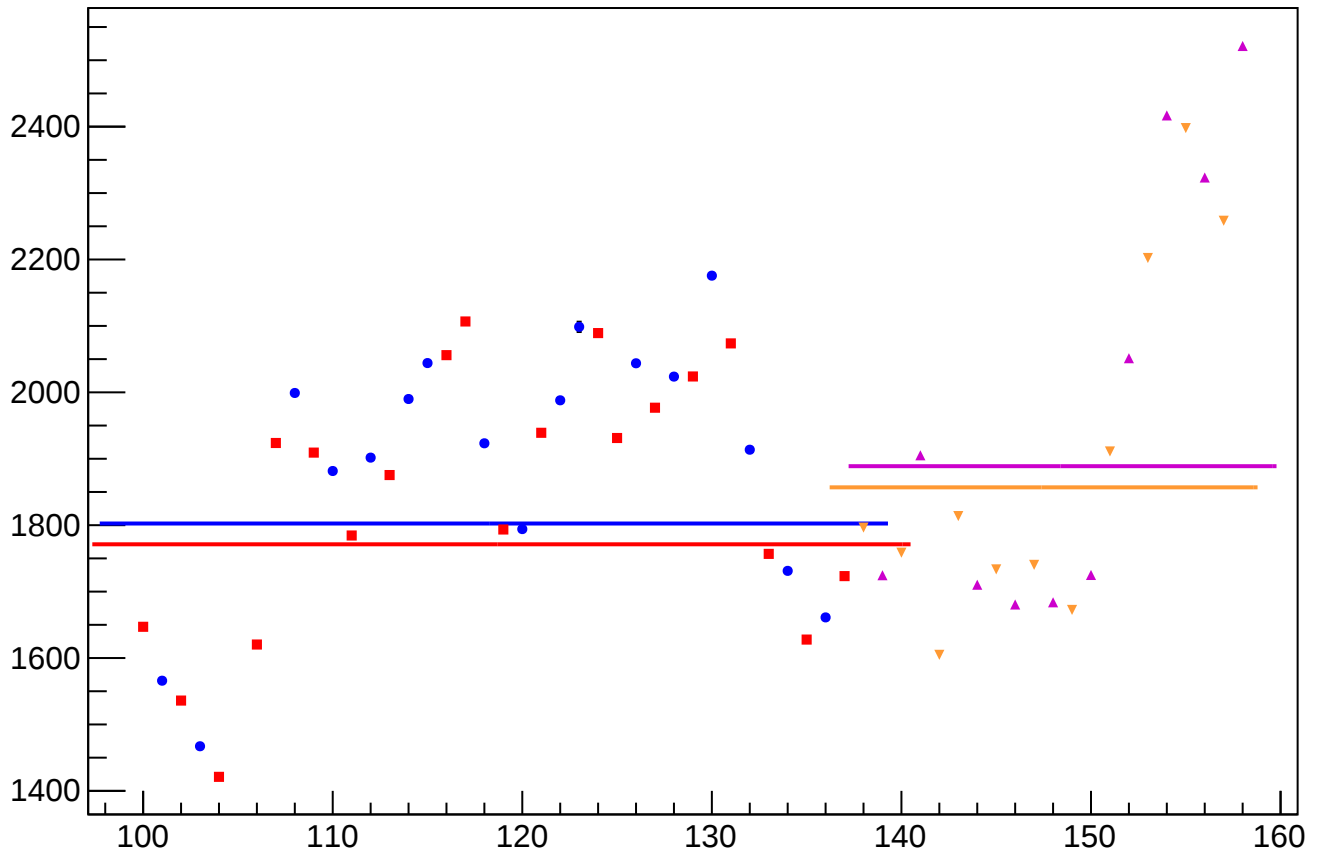
Right Out: -32.463 $\pm$ 0.665 χ^2 /NDF: 894.9/19

Left In: 74.177 $\pm$ 0.670 χ^2 /NDF: 1297.8/9

15.380 $\pm$ 0.478 χ^2 /NDF: 11080.4/27

20.442 $\pm$ 0.472 χ^2 /NDF: 14949.0/29

diff_bpm0i05X_rms vs Slug



Right In: 1802.524 ± 0.495 χ^2/NDF : 184069.0/16

Left Out: 1856.973 ± 0.464 χ^2/NDF : 233334.9/10

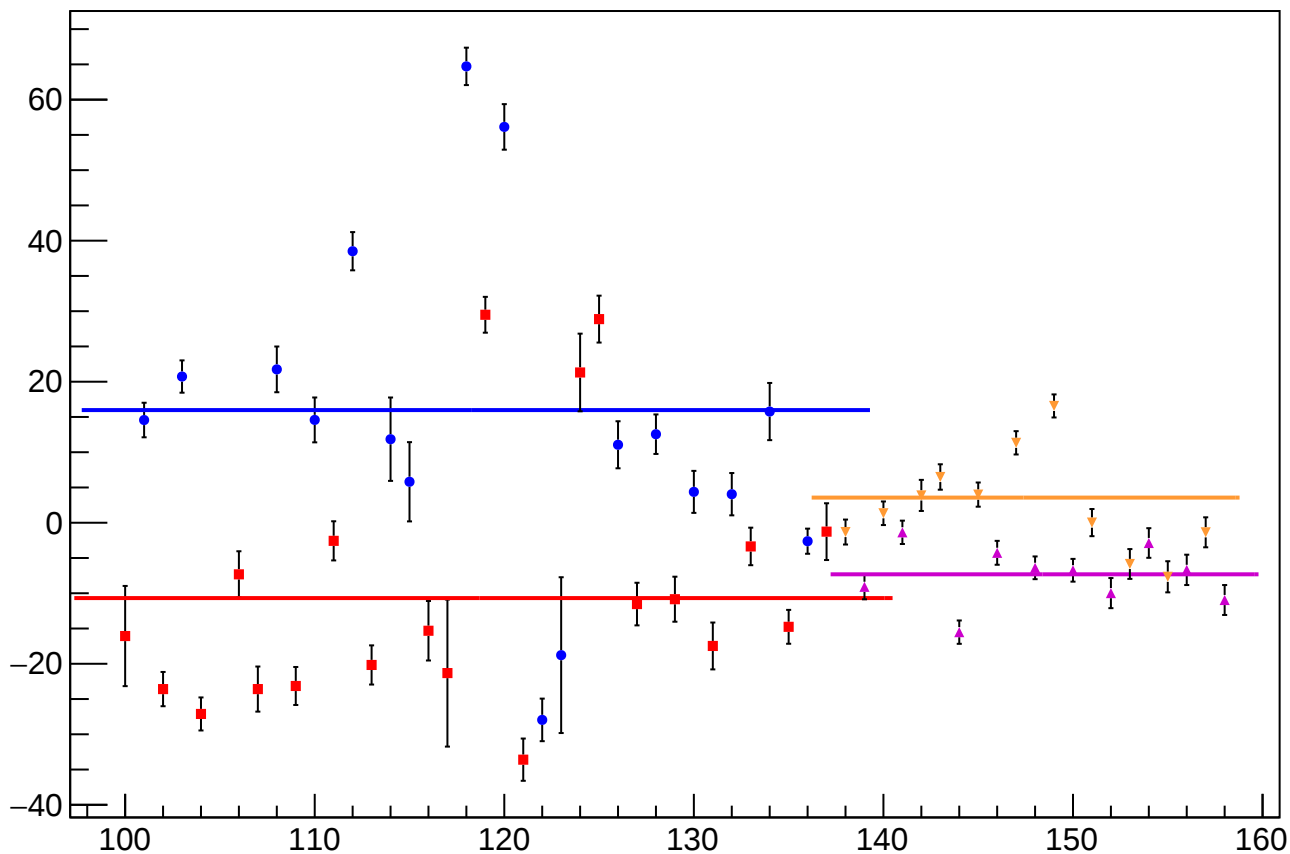
Right Out: 1771.228 ± 0.470 χ^2/NDF : 180101.6/19

Left In: 1888.835 ± 0.474 χ^2/NDF : 343274.7/9

1831.499 ± 0.338 χ^2/NDF : 423853.5/27

1829.574 ± 0.334 χ^2/NDF : 554405.5/29

diff_bpm0i05Y_mean vs Slug



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

Left Out: 3.566 ± 0.560 χ^2/NDF : 151.8/10

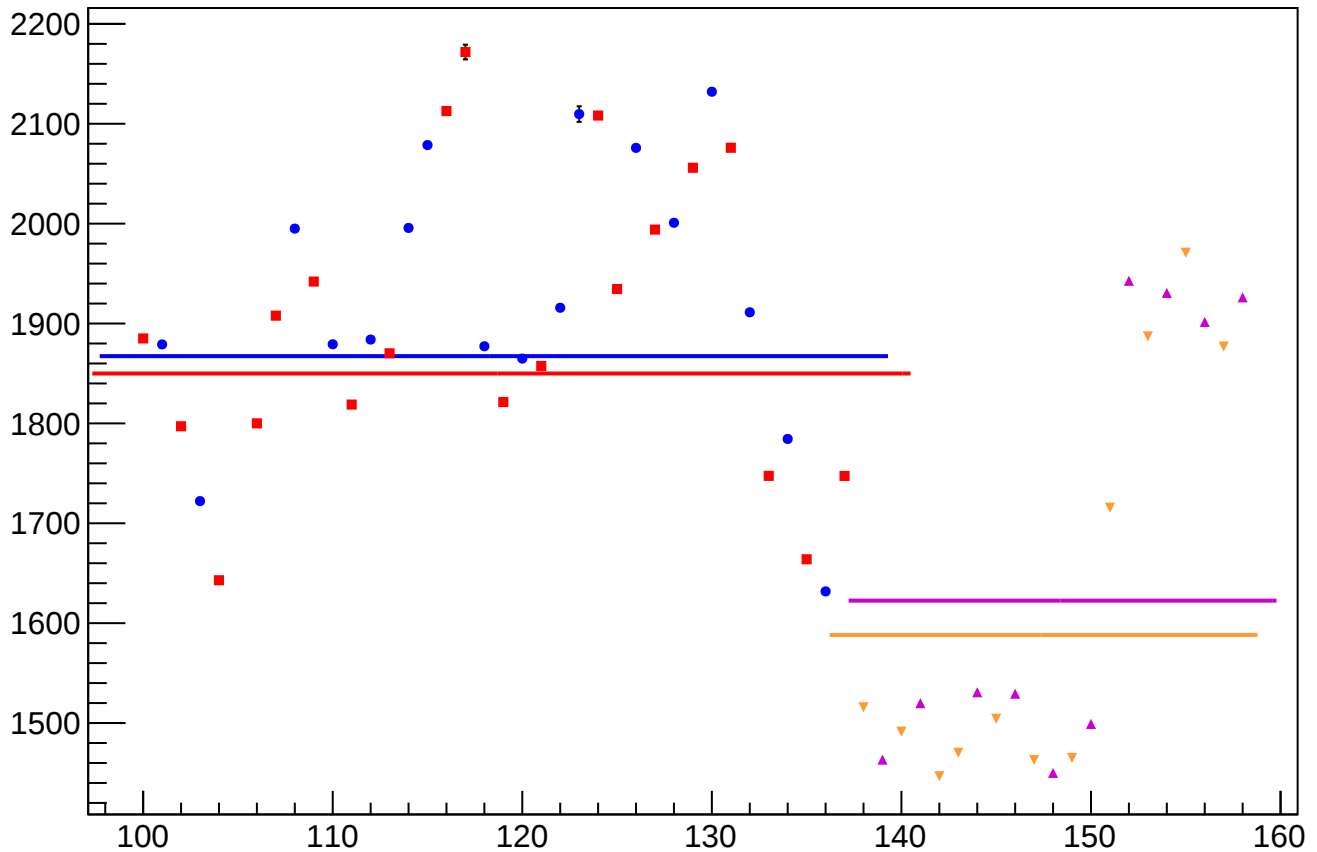
Right Out: -10.685 ± 0.692 χ^2/NDF : 643.2/19

Left In: -7.313 ± 0.573 χ^2/NDF : 51.2/9

8.229 ± 0.442 χ^2/NDF : 1274.8/27

-8.684 ± 0.441 χ^2/NDF : 708.5/29

diff_bpm0i05Y_rms vs Slug



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

Left Out: 1588.181 $\pm$ 0.396 χ^2 /NDF: 200210.6/10

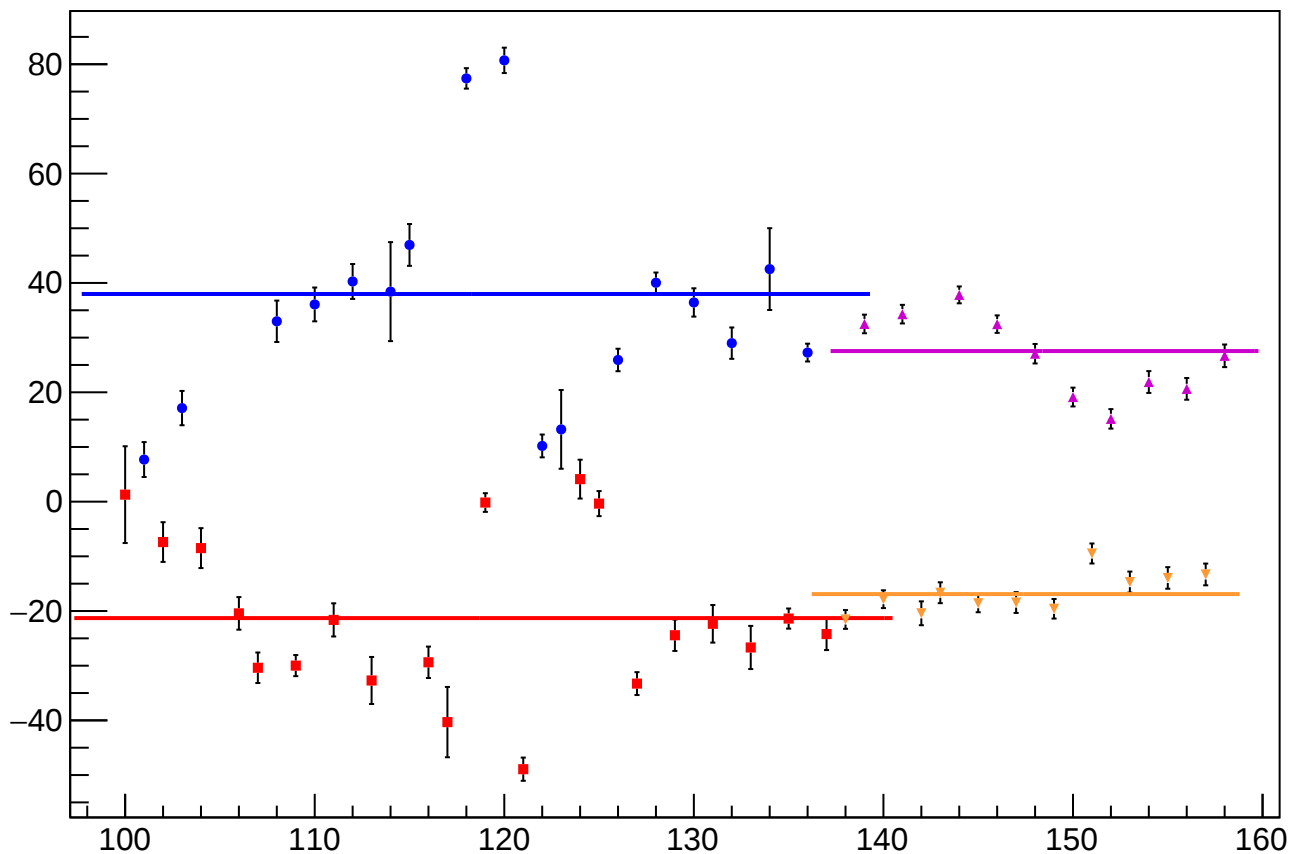
Right Out: 1849.954 $\pm$ 0.489 χ^2 /NDF: 74440.9/19

Left In: 1622.548 $\pm$ 0.405 χ^2 /NDF: 233202.5/9

1693.076 $\pm$ 0.313 χ^2 /NDF: 467980.9/27

1715.022 $\pm$ 0.312 χ^2 /NDF: 435865.8/29

diff_bpm0i07X_mean vs Slug



Right In: 37.979 ± 0.637 $\chi^2/\text{NDF}: 1204.3/16$

Left Out: -16.902 ± 0.556 $\chi^2/\text{NDF}: 37.4/10$

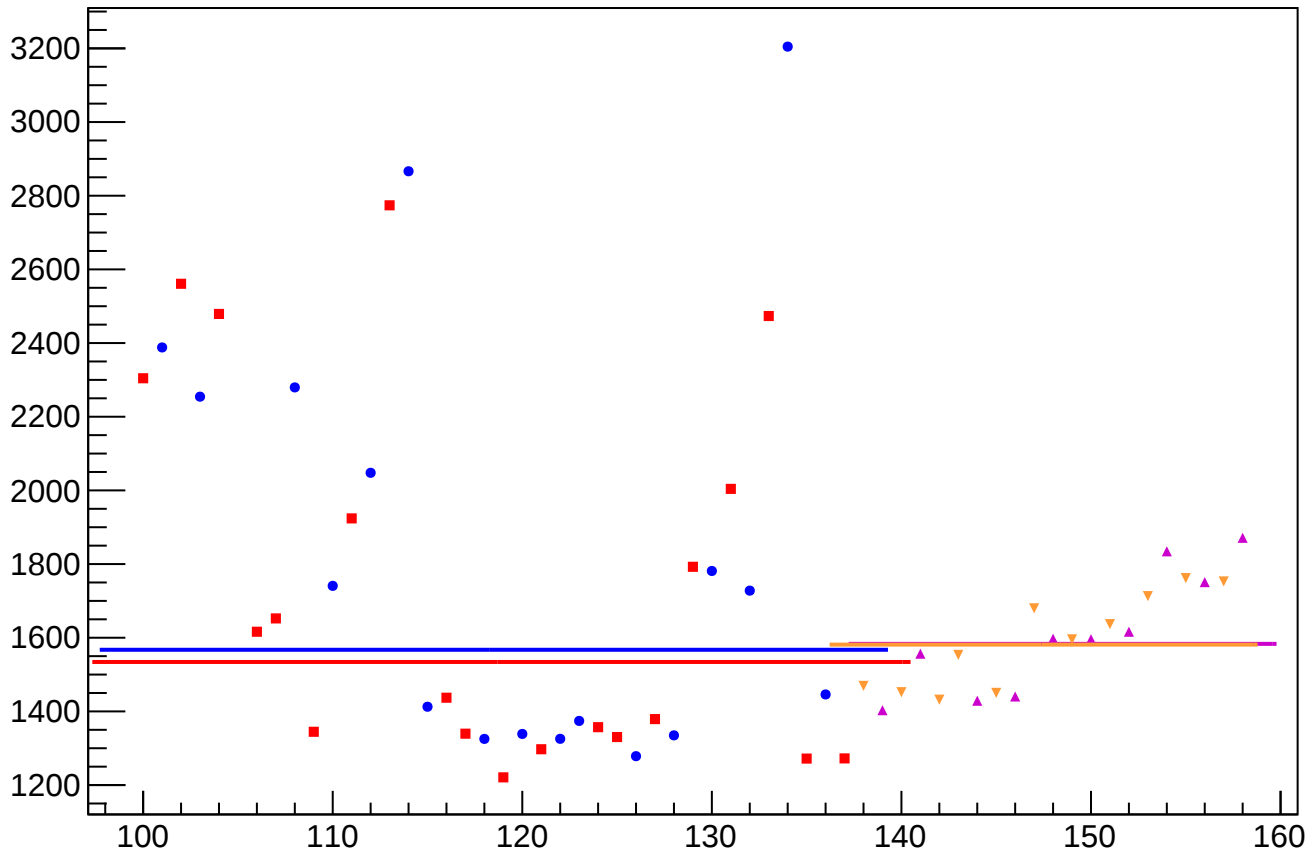
Right Out: -21.294 ± 0.606 $\chi^2/\text{NDF}: 582.5/19$

Left In: 27.543 ± 0.558 $\chi^2/\text{NDF}: 170.8/9$

6.817 ± 0.419 $\chi^2/\text{NDF}: 5451.6/27$

5.108 ± 0.410 $\chi^2/\text{NDF}: 4268.6/29$

diff_bpm0i07X_rms vs Slug



Right In: 1567.328+/-0.451 χ^2 /NDF: 673450.6/16

Left Out: 1581.345+/-0.393 χ^2 /NDF: 91772.2/10

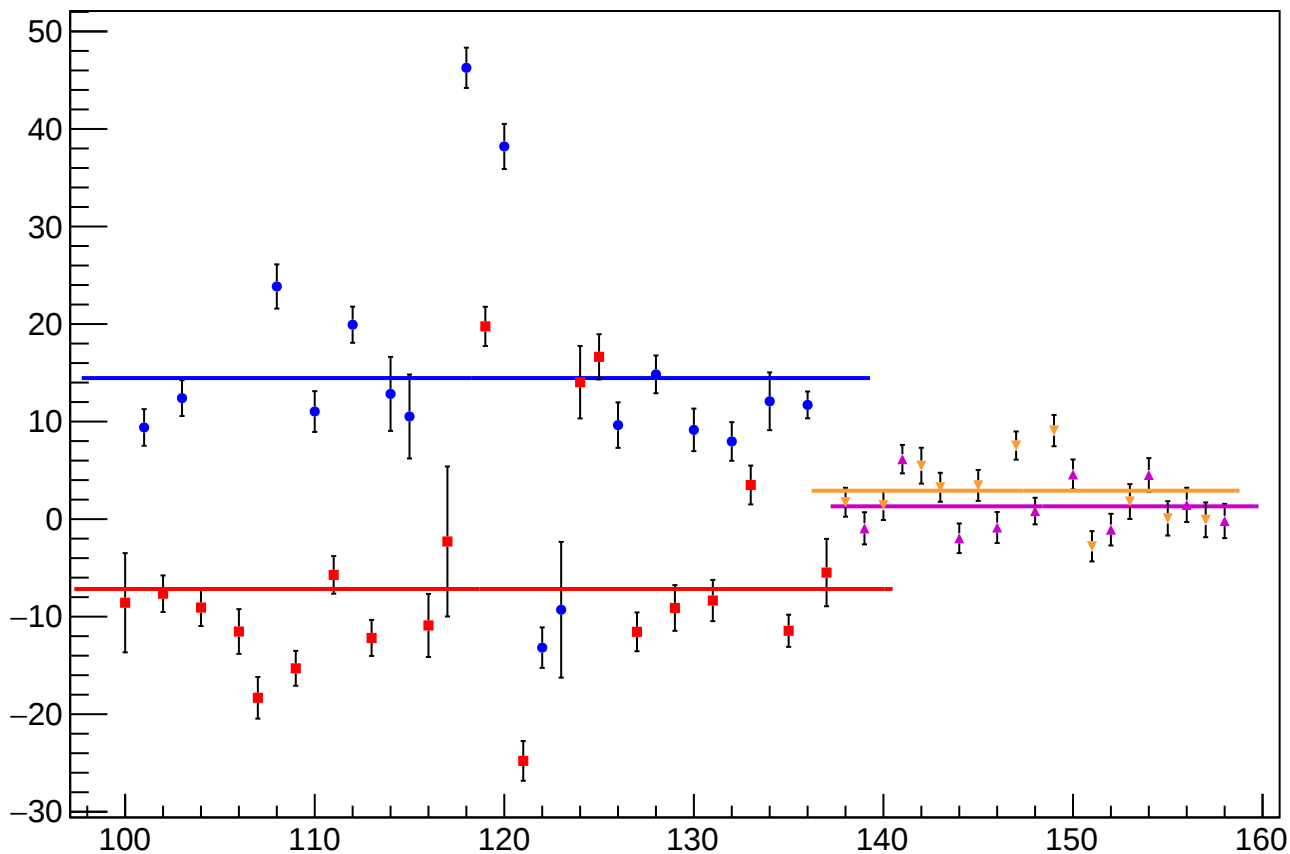
Right Out: 1534.225+/-0.428 χ^2 /NDF: 883947.6/19

Left In: 1583.362+/-0.395 χ^2 /NDF: 144436.2/9

1575.287+/-0.296 χ^2 /NDF: 765772.0/27

1560.789+/-0.290 χ^2 /NDF: 1035500.9/29

diff_bpm0i07Y_mean vs Slug



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

Left Out: 2.913 ± 0.484 $\chi^2/\text{NDF}: 48.0/10$

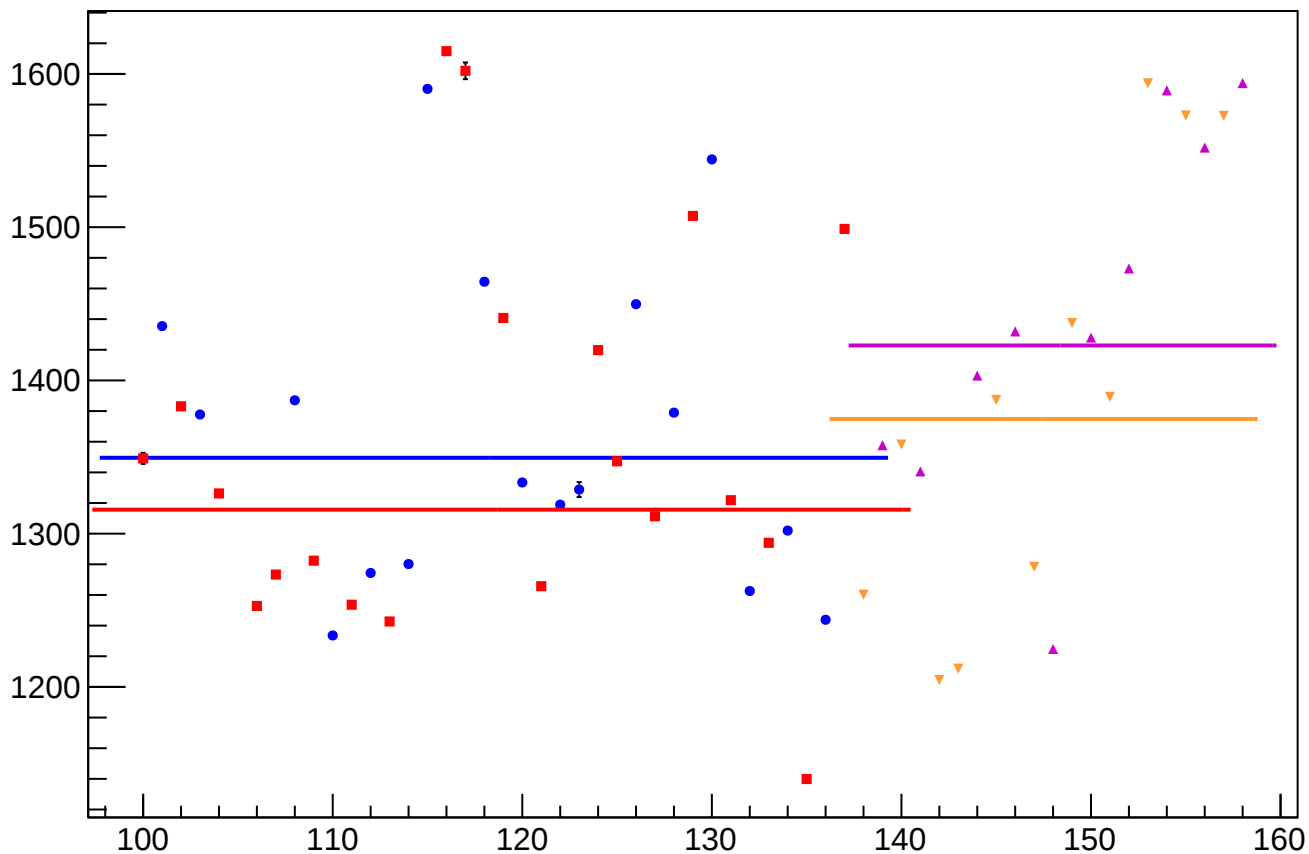
Right Out: -7.161 ± 0.493 $\chi^2/\text{NDF}: 496.1/19$

Left In: 1.312 ± 0.501 $\chi^2/\text{NDF}: 30.4/9$

8.240 ± 0.355 $\chi^2/\text{NDF}: 906.3/27$

-2.986 ± 0.351 $\chi^2/\text{NDF}: 671.7/29$

diff_bpm0i07Y_rms vs Slug



Right In: 1349.522 ± 0.370 χ^2/NDF : 64667.6/16

Left Out: 1374.858 ± 0.342 χ^2/NDF : 145674.4/10

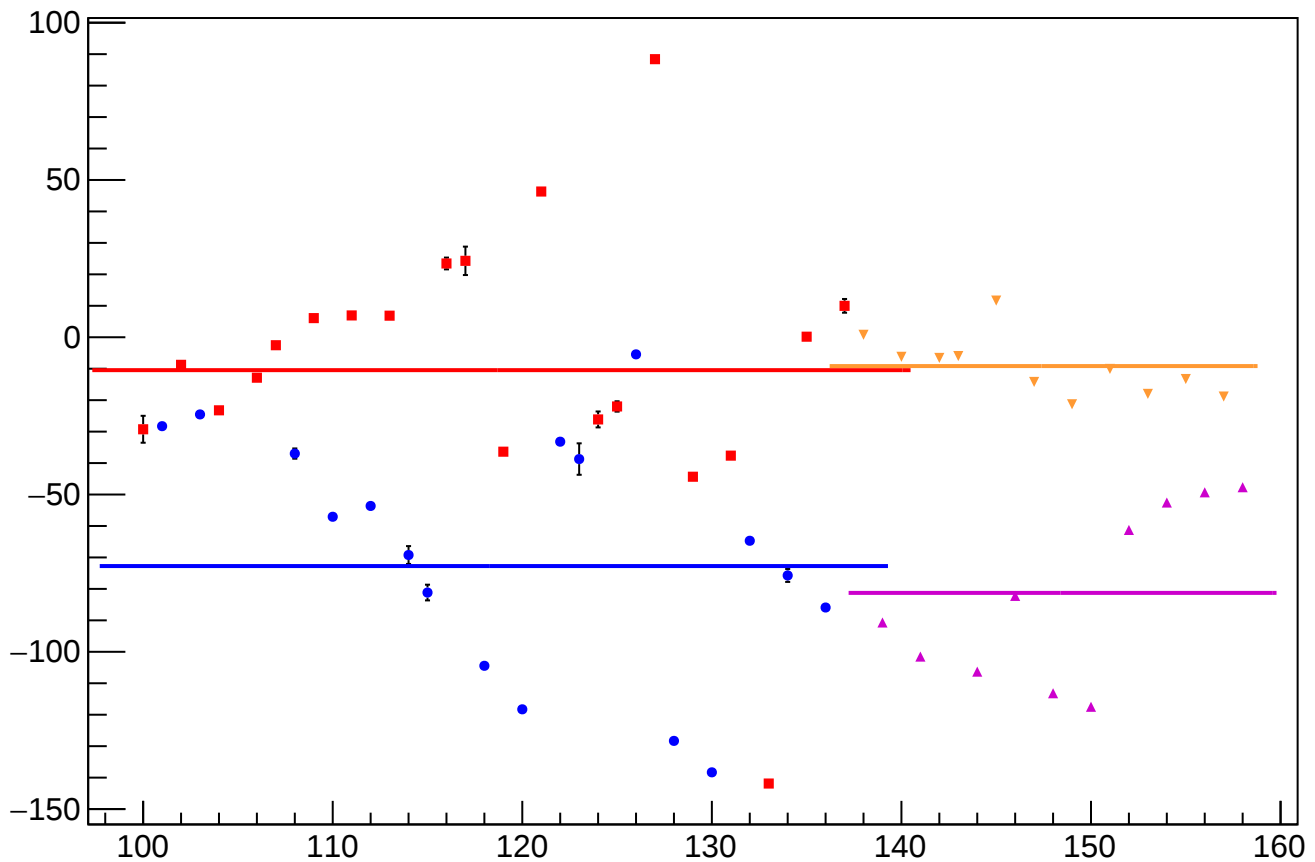
Right Out: 1315.669 ± 0.349 χ^2/NDF : 83739.0/19

Left In: 1422.808 ± 0.354 χ^2/NDF : 102450.3/9

1363.171 ± 0.251 χ^2/NDF : 212868.6/27

1368.463 ± 0.248 χ^2/NDF : 232668.7/29

diff_bpm1i02X_mean vs Slug



Right In: -72.741 ± 0.362 $\chi^2/\text{NDF}: 11690.4/16$

Left Out: -9.163 ± 0.329 $\chi^2/\text{NDF}: 784.5/10$

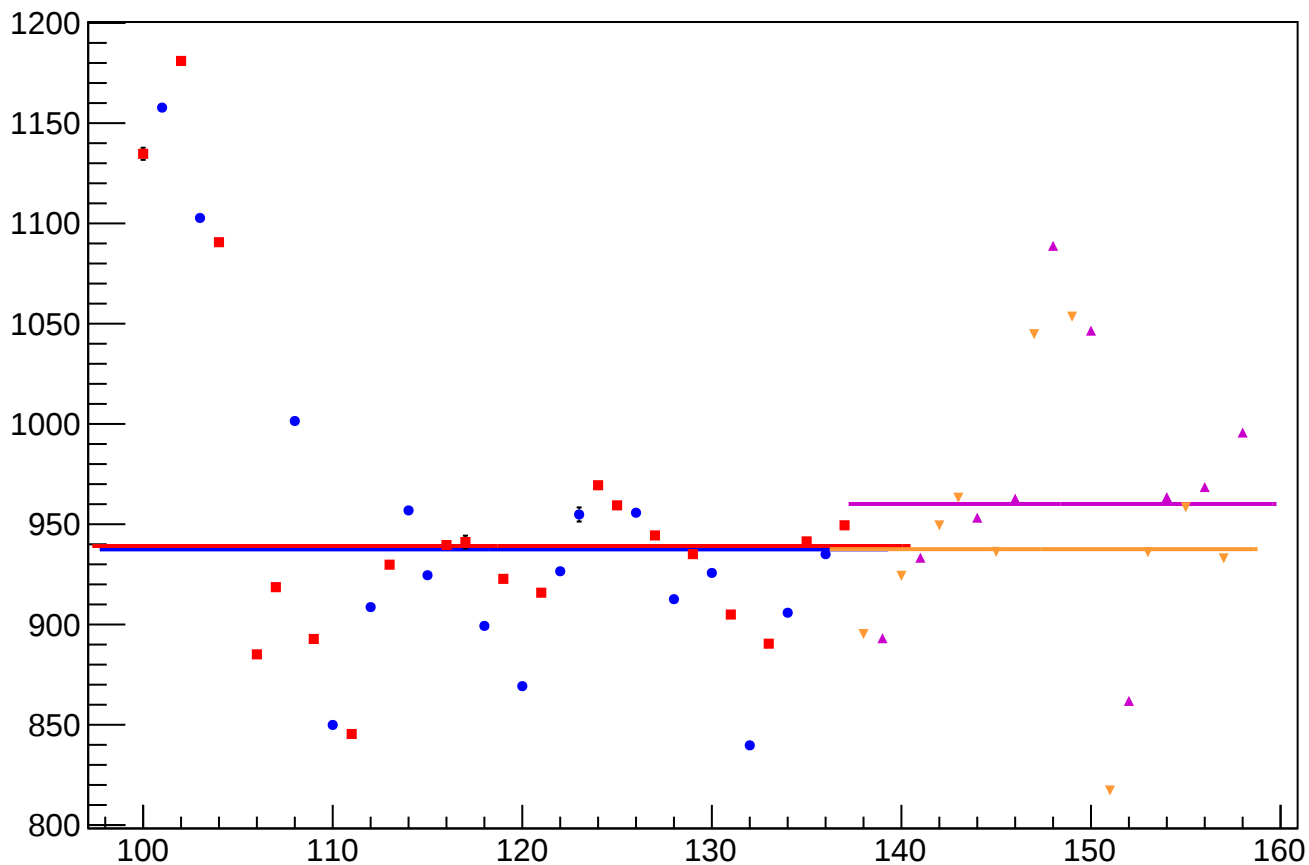
Right Out: -10.459 ± 0.351 $\chi^2/\text{NDF}: 18230.6/19$

Left In: -81.271 ± 0.337 $\chi^2/\text{NDF}: 5769.8/9$

-37.918 ± 0.244 $\chi^2/\text{NDF}: 29336.9/27$

-47.301 ± 0.243 $\chi^2/\text{NDF}: 45144.7/29$

diff_bpm1i02X_rms vs Slug



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

Left Out: 937.571 ± 0.233 χ^2/NDF : 76272.1/10

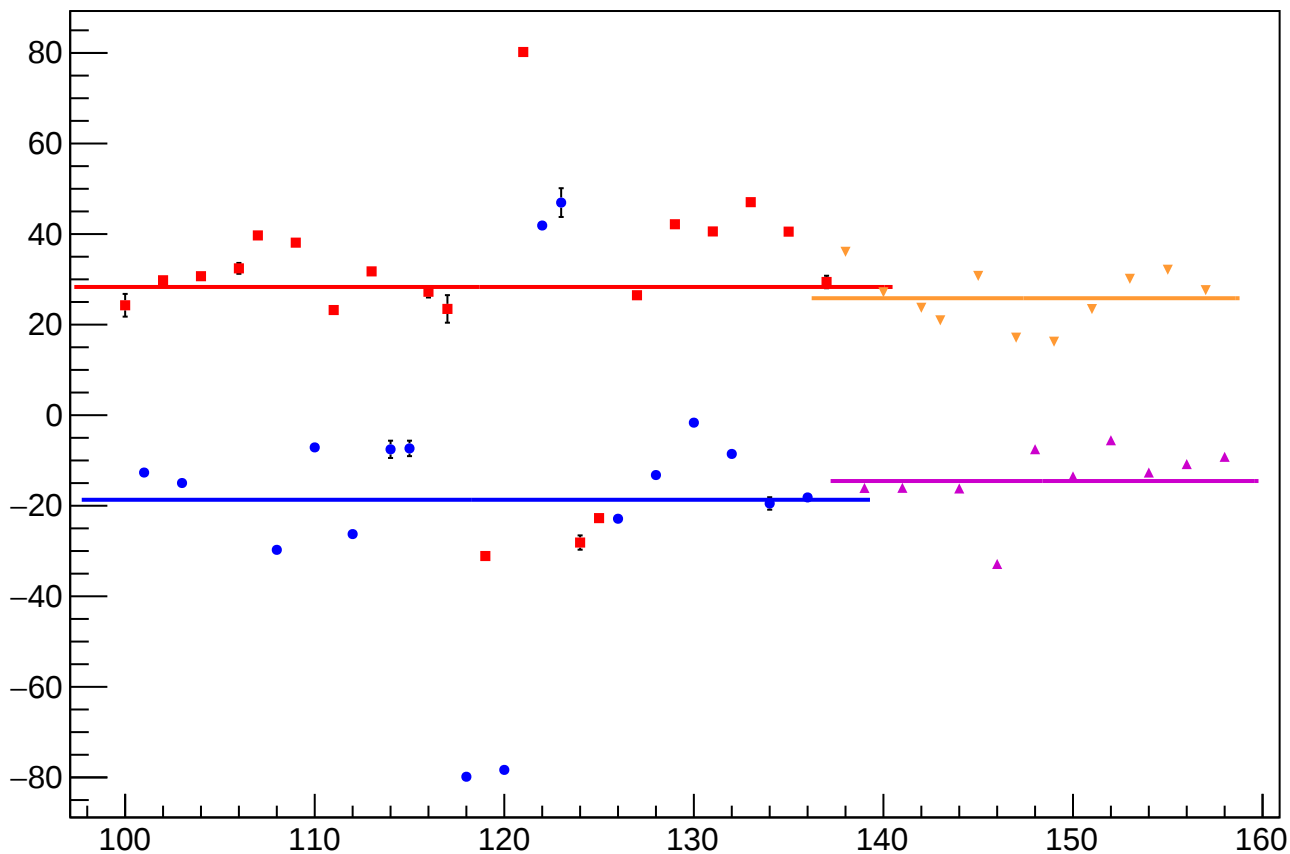
Right Out: 939.152 ± 0.248 χ^2/NDF : 90253.6/19

Left In: 960.103 ± 0.239 χ^2/NDF : 67170.3/9

937.518 ± 0.172 χ^2/NDF : 174579.8/27

950.052 ± 0.172 χ^2/NDF : 161125.6/29

diff_bpm1i02Y_mean vs Slug



Right In: -18.683 ± 0.243 $\chi^2/\text{NDF}: 13006.2/16$

Left Out: 25.832 ± 0.243 $\chi^2/\text{NDF}: 639.5/10$

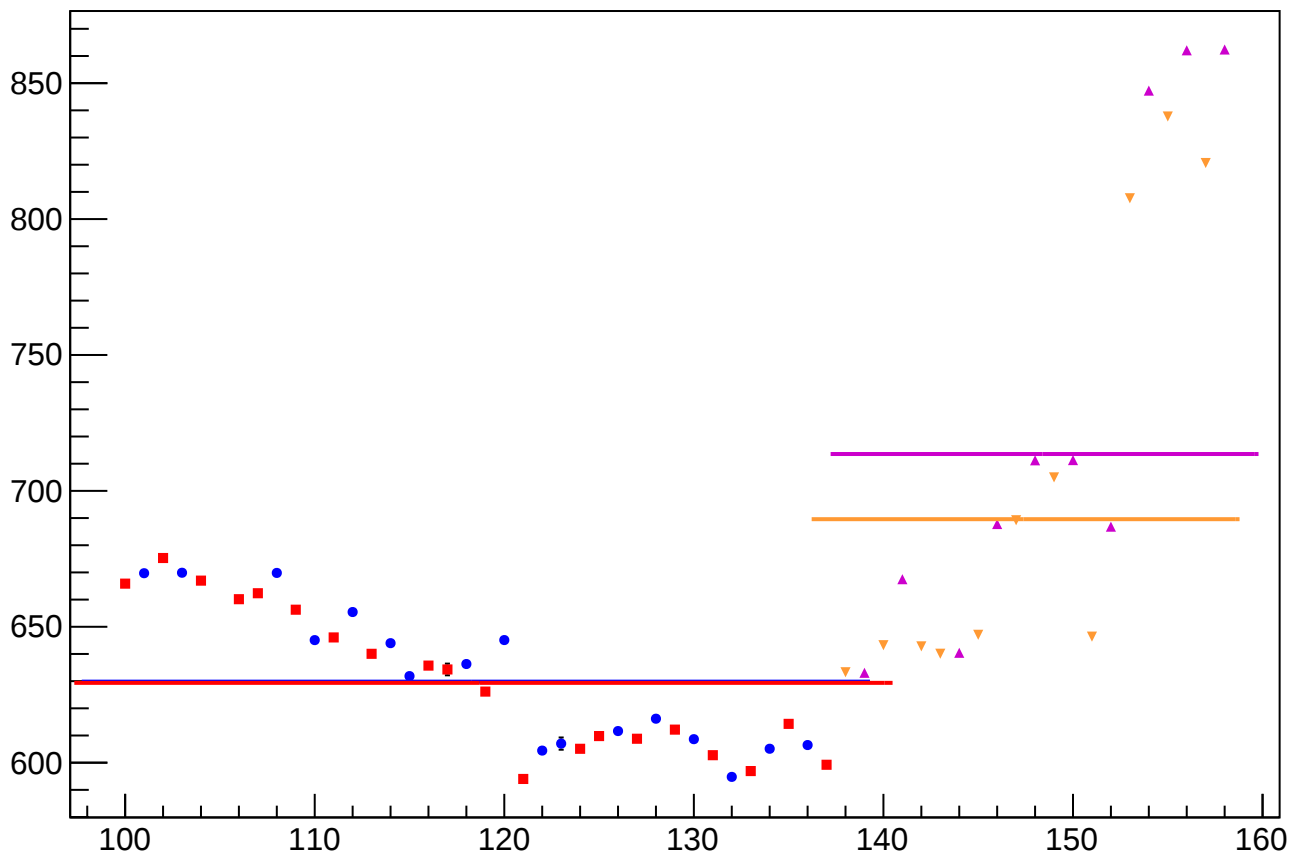
Right Out: 28.318 ± 0.235 $\chi^2/\text{NDF}: 12510.6/19$

Left In: -14.540 ± 0.252 $\chi^2/\text{NDF}: 863.7/9$

3.539 ± 0.172 $\chi^2/\text{NDF}: 30444.9/27$

8.397 ± 0.172 $\chi^2/\text{NDF}: 28866.2/29$

diff_bpm1i02Y_rms vs Slug



Right In: 629.815+/-0.172 χ^2/NDF : 23298.3/16

Left Out: 689.586+/-0.172 χ^2/NDF : 169263.6/10

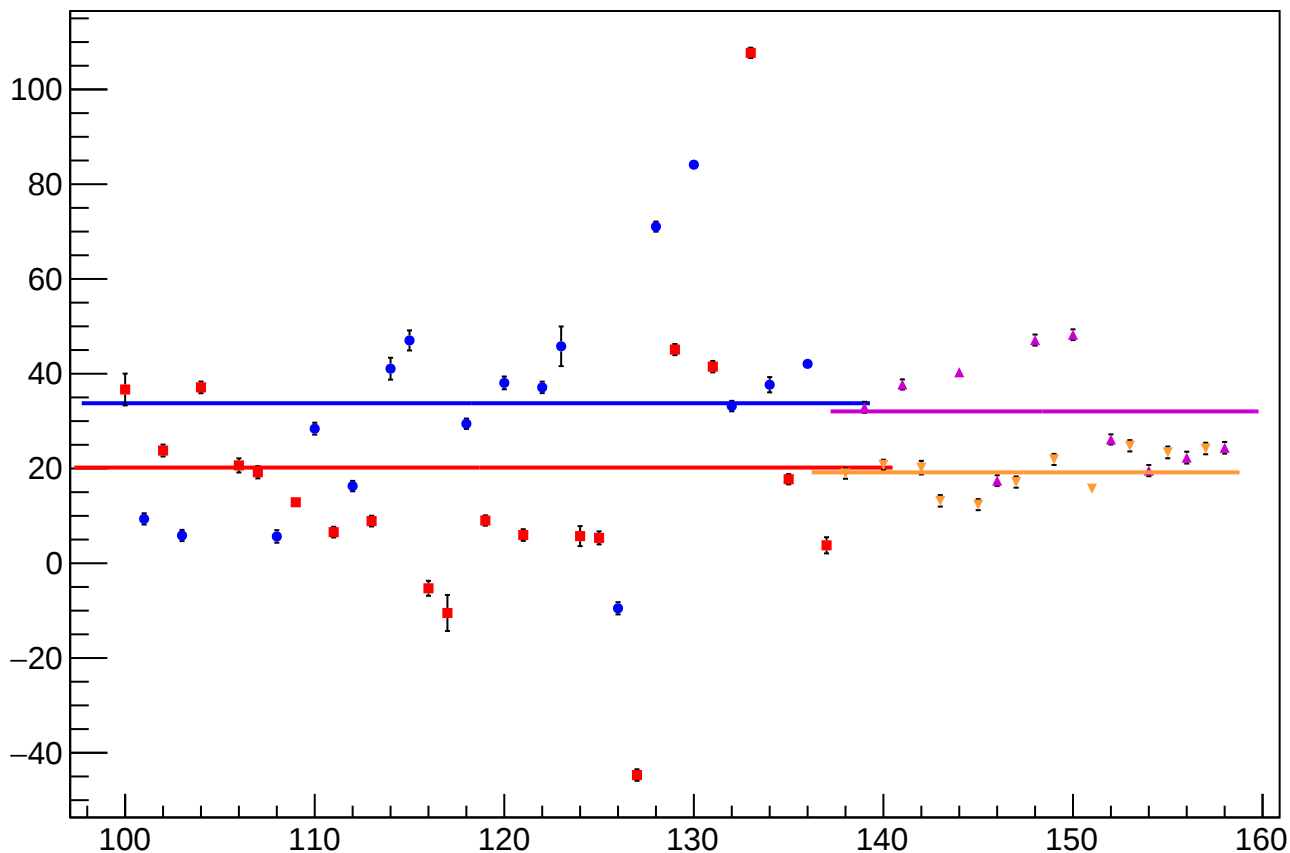
Right Out: 629.370+/-0.166 χ^2/NDF : 25543.7/19

Left In: 713.565+/-0.178 χ^2/NDF : 193827.1/9

659.653+/-0.121 χ^2/NDF : 253137.9/27

668.504+/-0.121 χ^2/NDF : 338948.0/29

diff_bpm1i04X_mean vs Slug



Right In: 33.773 ± 0.300 χ^2/NDF : 6487.9/16

Left Out: 19.184 ± 0.355 χ^2/NDF : 131.3/10

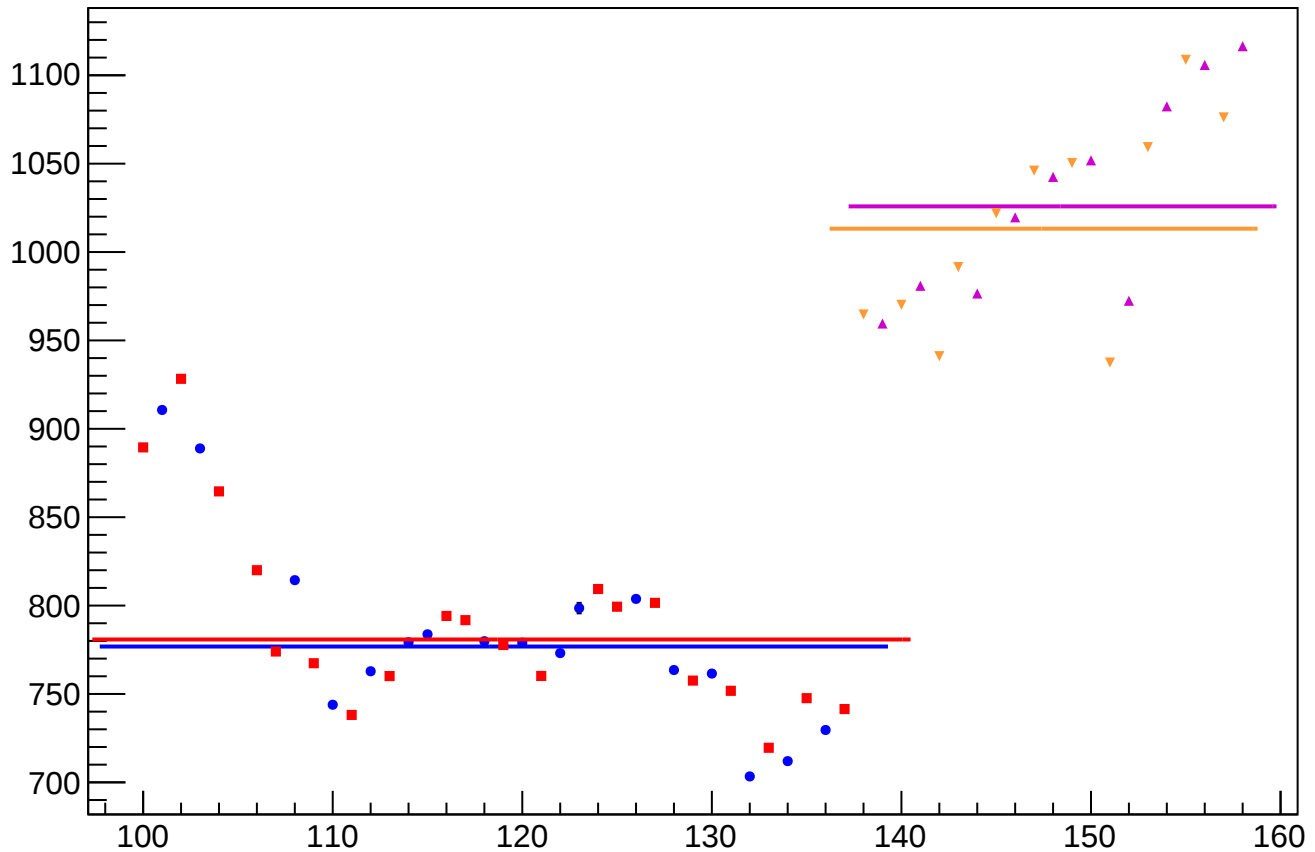
Right Out: 20.193 ± 0.292 χ^2/NDF : 11353.3/19

Left In: 32.050 ± 0.360 χ^2/NDF : 872.4/9

27.706 ± 0.229 χ^2/NDF : 7603.3/27

24.889 ± 0.227 χ^2/NDF : 12880.3/29

diff_bpm1i04X_rms vs Slug



Right In: 776.838 $\pm$ 0.212 χ^2 /NDF: 67487.1/16

Left Out: 1013.212 $\pm$ 0.251 χ^2 /NDF: 46813.9/10

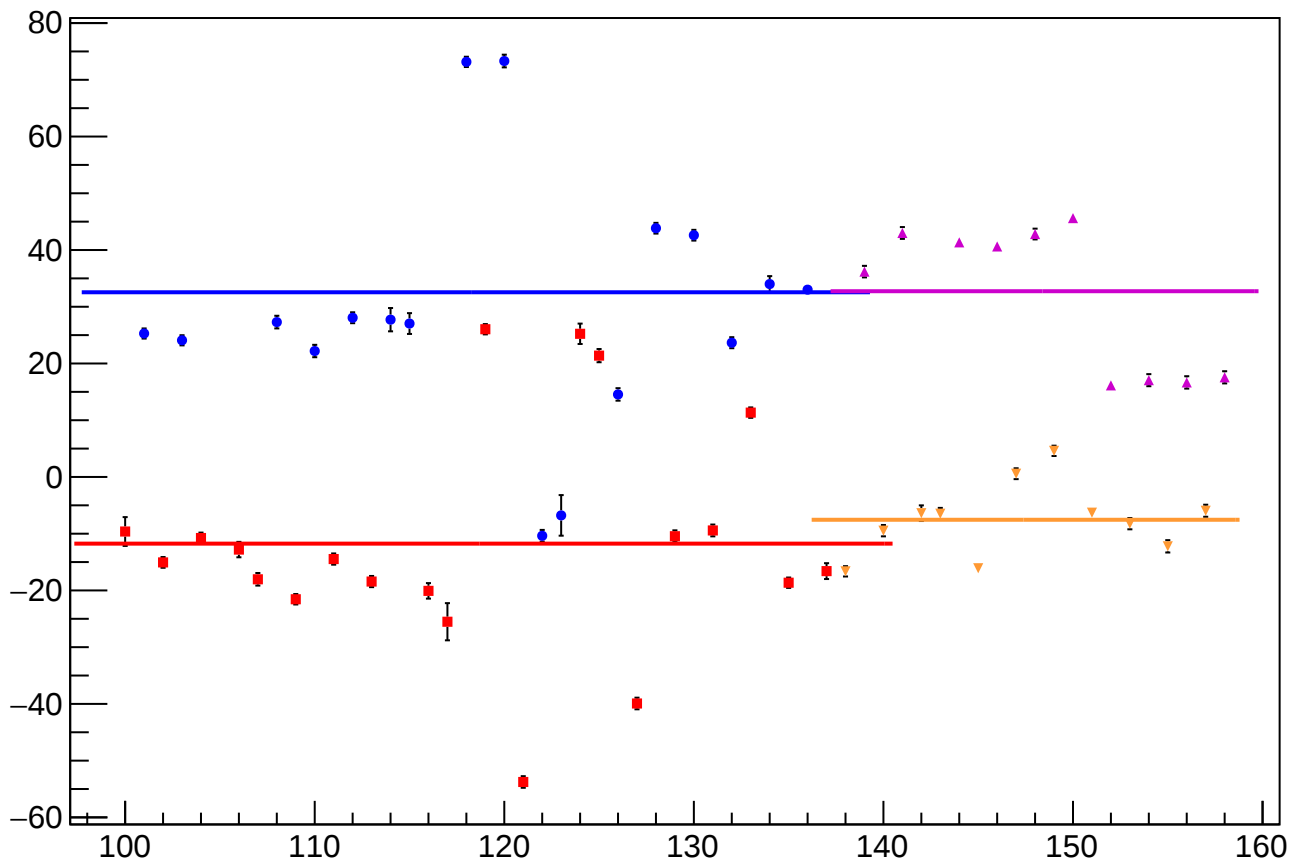
Right Out: 780.820 $\pm$ 0.206 χ^2 /NDF: 57445.6/19

Left In: 1025.834 $\pm$ 0.255 χ^2 /NDF: 44491.0/9

875.142 $\pm$ 0.162 χ^2 /NDF: 631031.5/27

877.859 $\pm$ 0.160 χ^2 /NDF: 660944.6/29

diff_bpm1i04Y_mean vs Slug



Right In: 32.552 $\pm$ 0.253 χ^2 /NDF: 6073.0/16

Left Out: -7.545 $\pm$ 0.295 χ^2 /NDF: 471.6/10

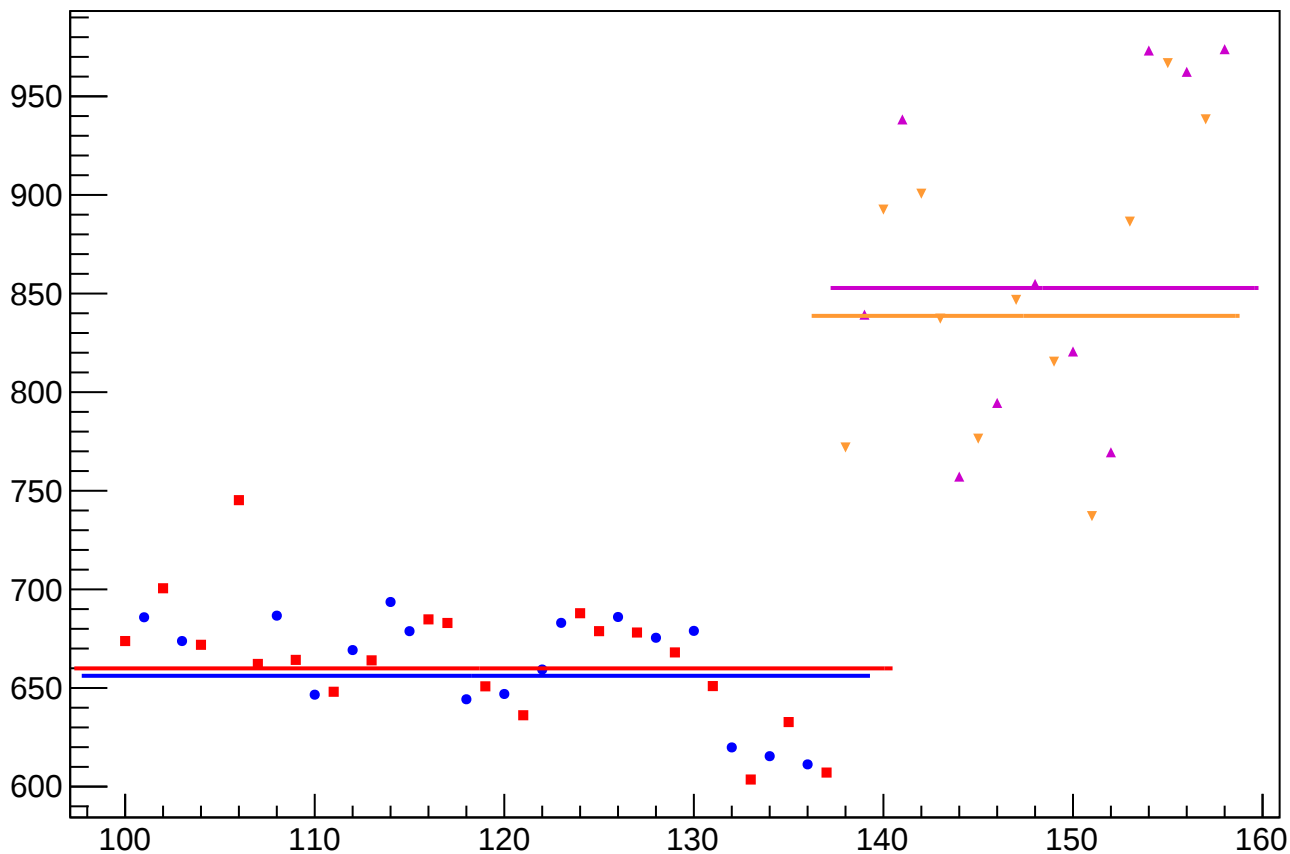
Right Out: -11.752 $\pm$ 0.246 χ^2 /NDF: 6375.4/19

Left In: 32.738 $\pm$ 0.302 χ^2 /NDF: 1634.8/9

15.598 $\pm$ 0.192 χ^2 /NDF: 17177.0/27

6.047 $\pm$ 0.191 χ^2 /NDF: 21064.4/29

diff_bpm1i04Y_rms vs Slug



Right In: 656.181 ± 0.179 $\chi^2/\text{NDF}: 23569.6/16$

Left Out: 838.687 ± 0.209 $\chi^2/\text{NDF}: 112213.2/10$

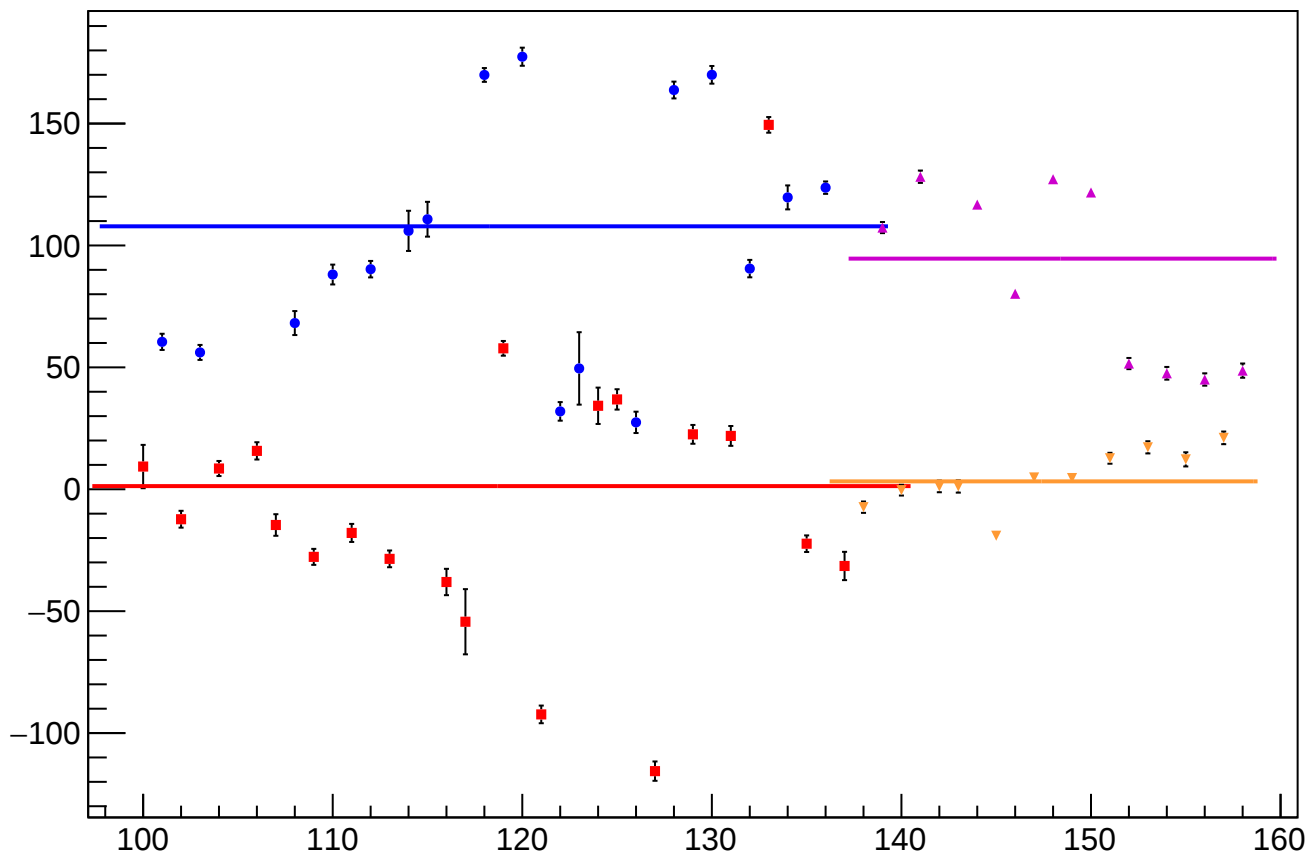
Right Out: 659.944 ± 0.174 $\chi^2/\text{NDF}: 28425.0/19$

Left In: 852.822 ± 0.213 $\chi^2/\text{NDF}: 142240.2/9$

733.350 ± 0.136 $\chi^2/\text{NDF}: 576319.0/27$

737.107 ± 0.135 $\chi^2/\text{NDF}: 661371.3/29$

diff_bpm1i06X_mean vs Slug



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

Left Out: 3.241 $\pm$ 0.669 χ^2 /NDF: 253.4/10

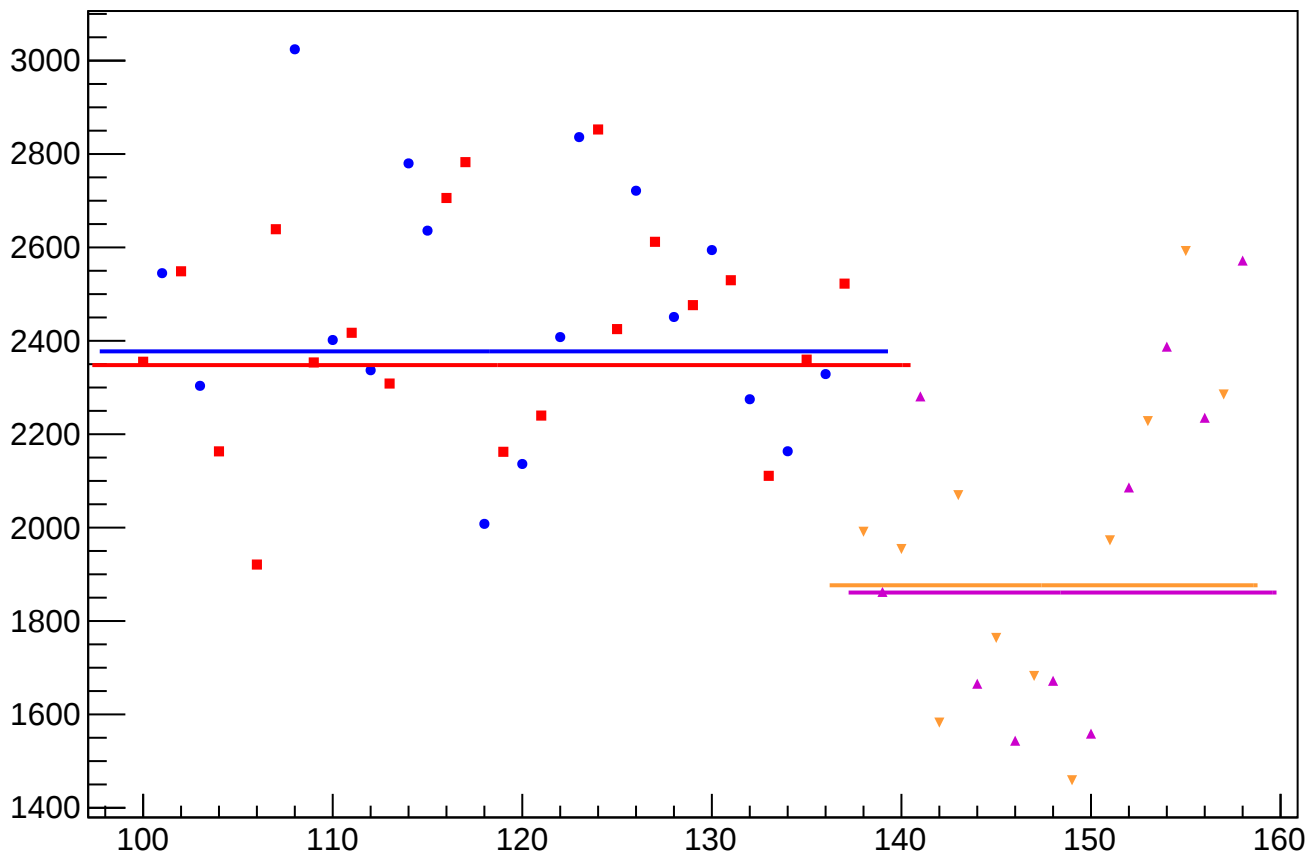
Right Out: 1.299 $\pm$ 0.881 χ^2 /NDF: 4541.1/19

Left In: 94.599 $\pm$ 0.669 χ^2 /NDF: 2288.6/9

39.335 $\pm$ 0.541 χ^2 /NDF: 11502.5/27

60.508 $\pm$ 0.533 χ^2 /NDF: 13940.7/29

diff_bpm1i06X_rms vs Slug



Right In: 2377.423+/-0.652 χ^2/NDF : 119648.6/16

Left Out: 1876.535+/-0.473 χ^2/NDF : 420111.3/10

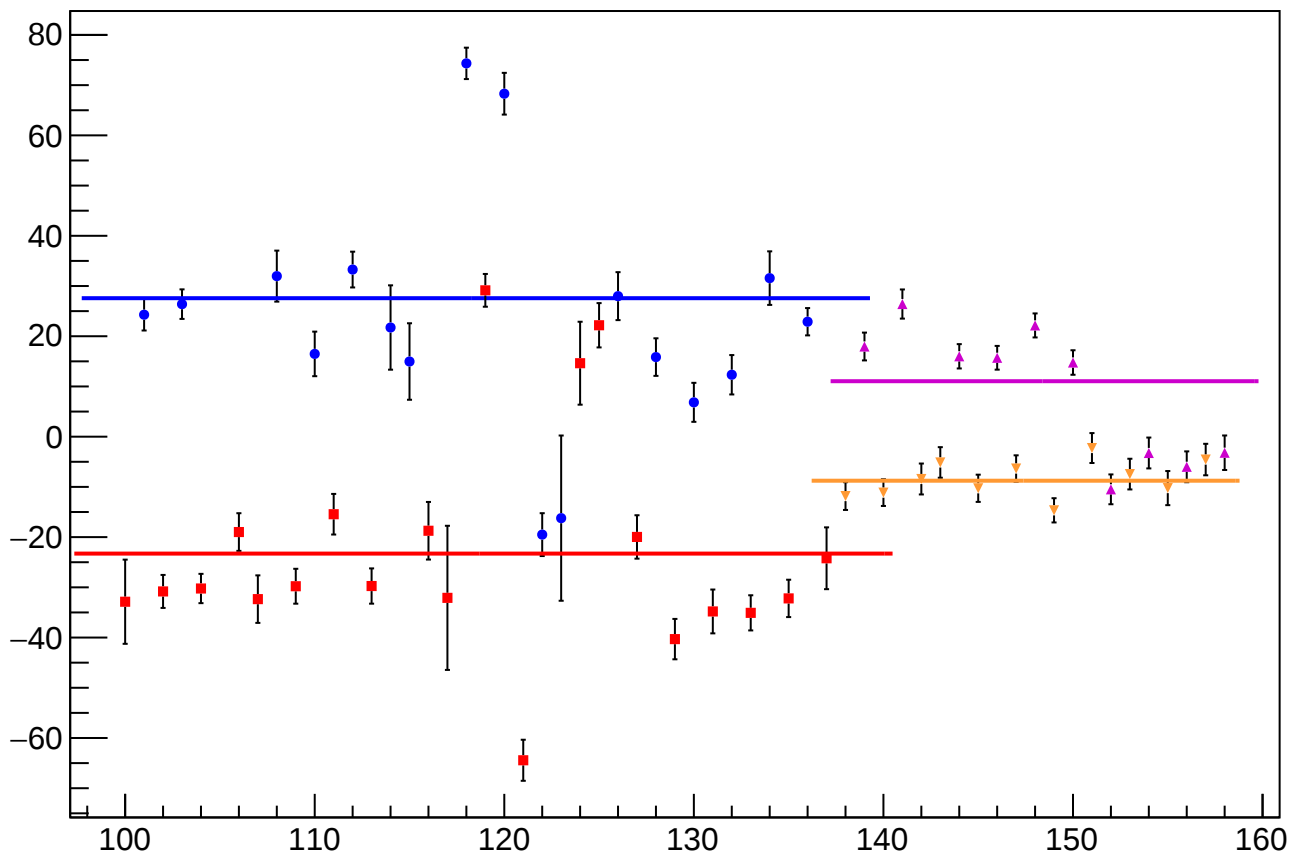
Right Out: 2348.017+/-0.623 χ^2/NDF : 110379.6/19

Left In: 1860.967+/-0.473 χ^2/NDF : 494298.9/9

2049.358+/-0.383 χ^2/NDF : 926756.3/27

2038.931+/-0.377 χ^2/NDF : 992247.2/29

diff_bpm1i06Y_mean vs Slug



Right In: 27.577 $\pm$ 0.975 χ^2 /NDF: 519.6/16

Left Out: -8.768 $\pm$ 0.862 χ^2 /NDF: 17.5/10

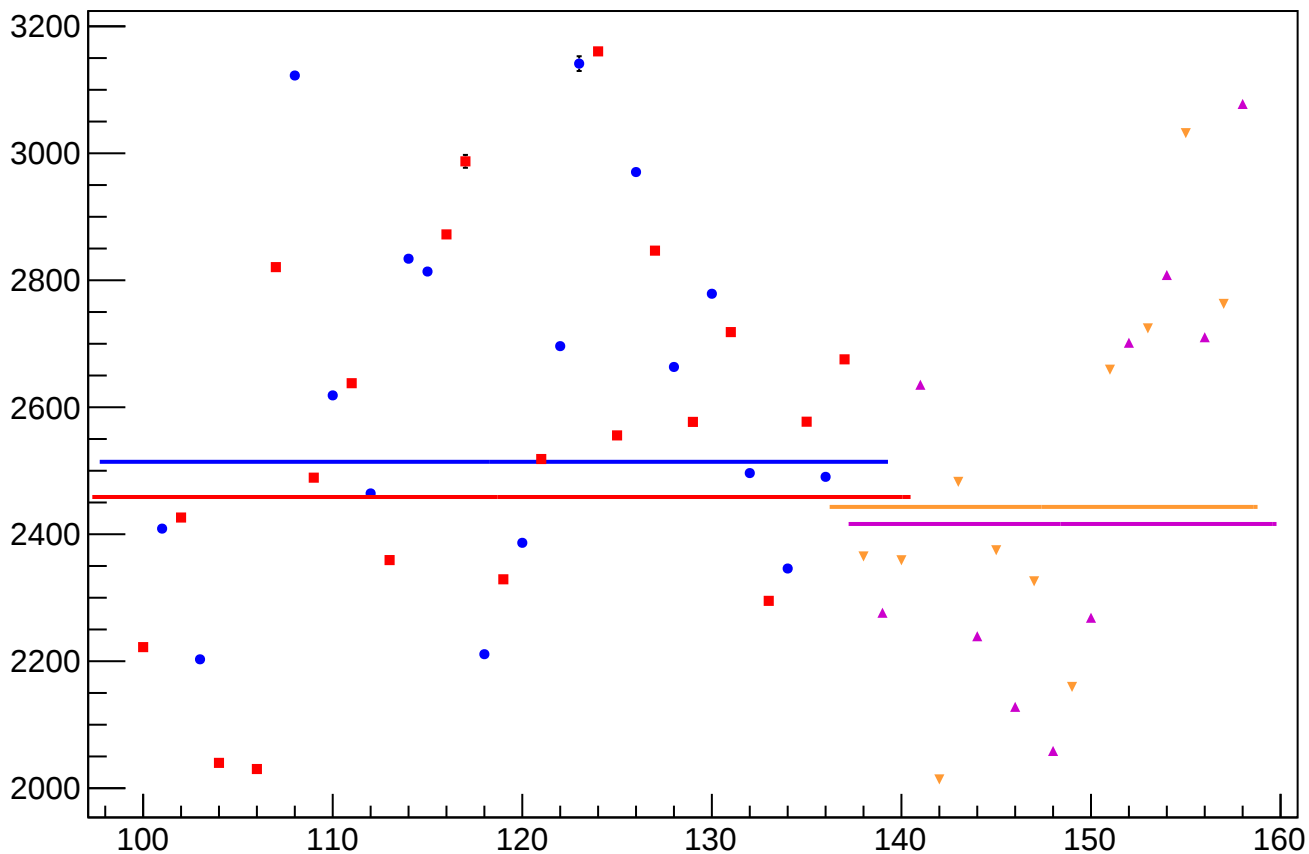
Right Out: -23.280 $\pm$ 0.925 χ^2 /NDF: 558.2/19

Left In: 11.046 $\pm$ 0.860 χ^2 /NDF: 188.5/9

7.177 $\pm$ 0.646 χ^2 /NDF: 1317.4/27

-4.871 $\pm$ 0.630 χ^2 /NDF: 1485.2/29

diff_bpm1i06Y_rms vs Slug



Right In: 2514.088 $\pm$ 0.689 χ^2 /NDF: 120961.3/16

Left Out: 2443.040 $\pm$ 0.609 χ^2 /NDF:183988.9/10

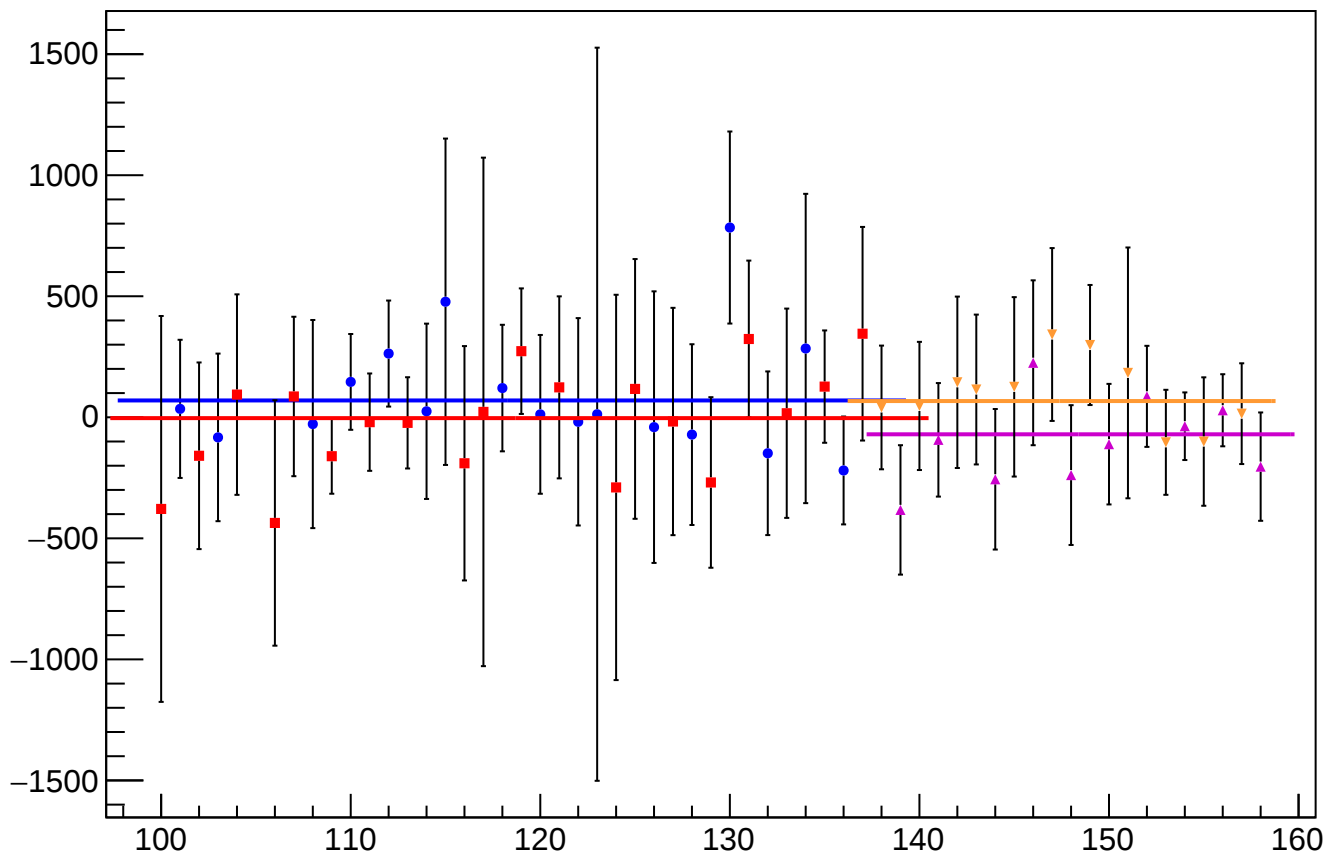
Right Out: 2458.665 $\pm$ 0.654 χ^2 /NDF: 152458.1/19

Left In: 2416.171 $\pm$ 0.608 χ^2 /NDF:252500.7/9

2474.210 $\pm$ 0.457 χ^2 /NDF: 310913.8/27

2435.875 $\pm$ 0.445 χ^2 /NDF: 407222.1/29

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 69.587 ± 79.023 $\chi^2/\text{NDF}: 7.3/16$

Left Out: 67.094 ± 84.014 $\chi^2/\text{NDF}: 2.7/10$

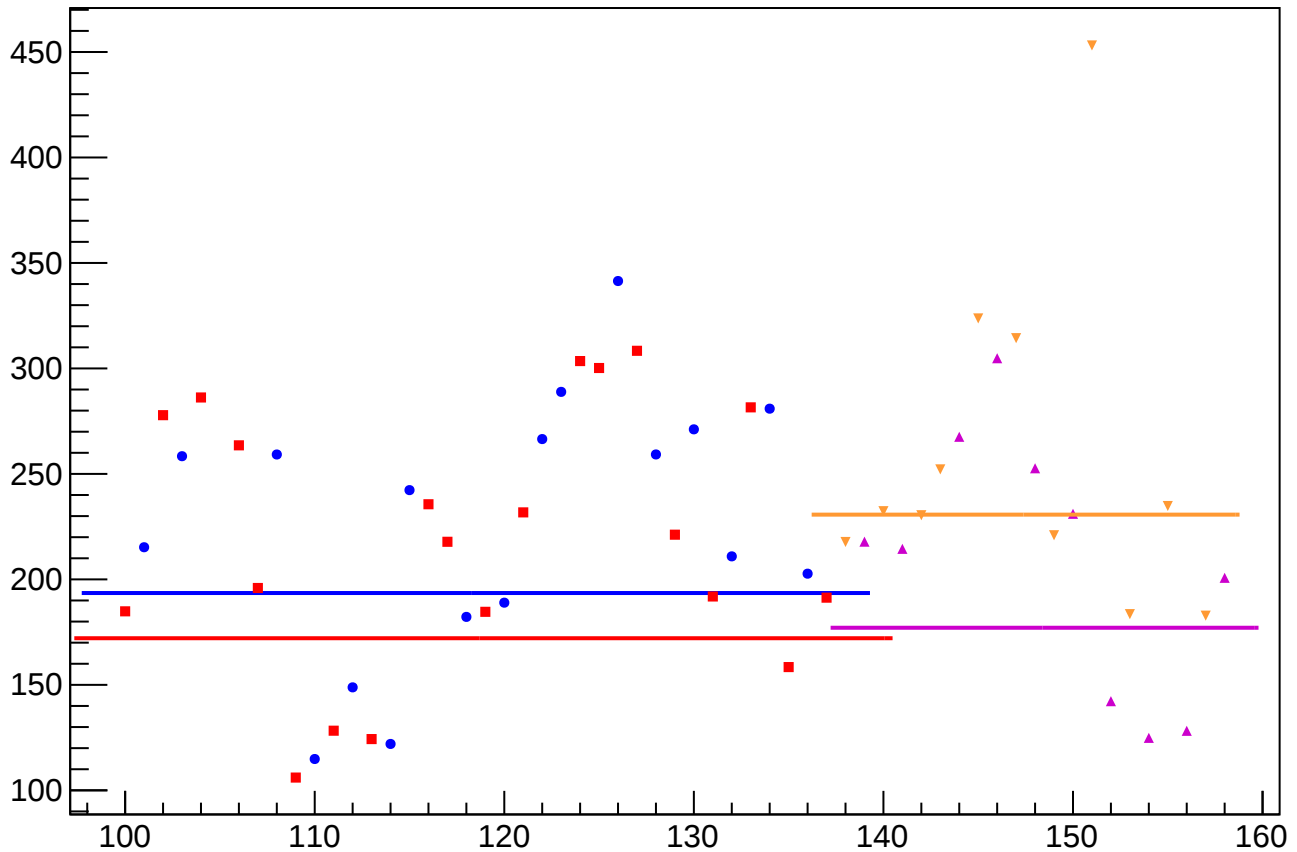
Right Out: -3.448 ± 69.825 $\chi^2/\text{NDF}: 6.4/19$

Left In: -70.244 ± 67.405 $\chi^2/\text{NDF}: 4.3/9$

68.417 ± 57.561 $\chi^2/\text{NDF}: 10.0/27$

-38.023 ± 48.496 $\chi^2/\text{NDF}: 11.2/29$

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.533+/-0.056 χ^2/NDF : 1010428.2/16

Left Out: 230.693+/-0.059 χ^2/NDF : 823433.3/10

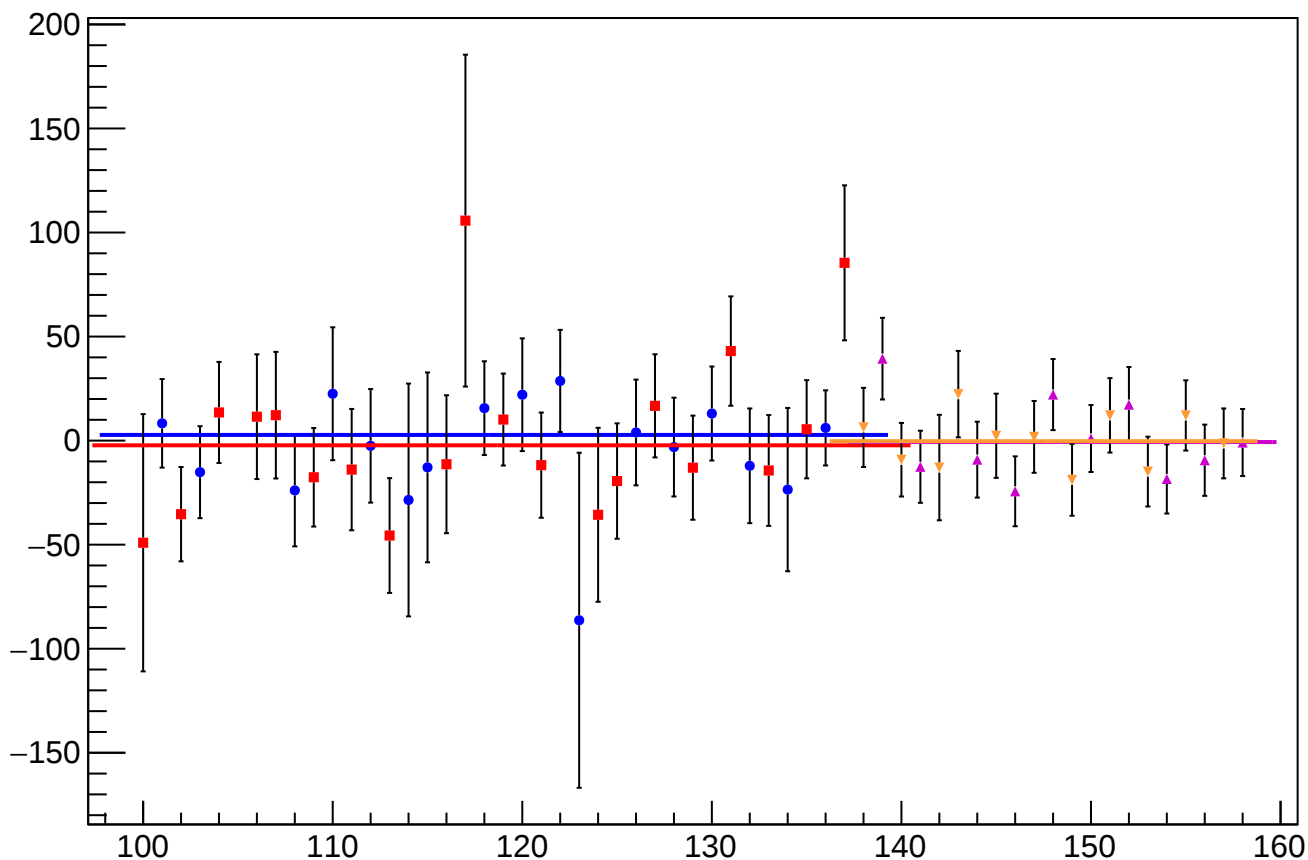
Right Out: 172.104+/-0.049 χ^2/NDF : 1580690.9/19

Left In: 177.073+/-0.048 χ^2/NDF : 1377472.4/9

210.976+/-0.041 χ^2/NDF : 2041459.2/27

174.676+/-0.034 χ^2/NDF : 2963407.2/29

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.733 $\pm$ 6.424 χ^2 /NDF: 6.8/16

Left Out: -0.274 $\pm$ 5.527 χ^2 /NDF: 4.8/10

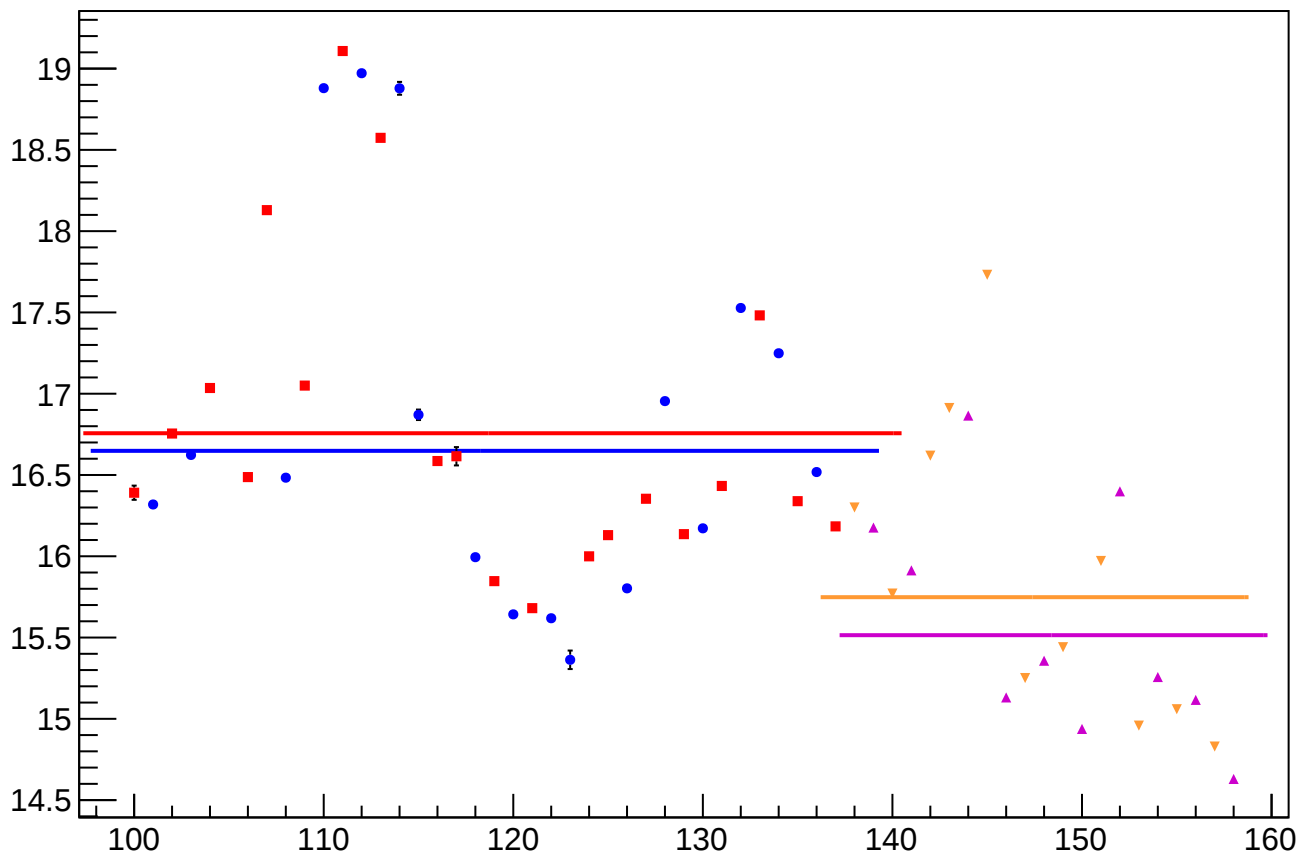
Right Out: -2.259 $\pm$ 6.259 χ^2 /NDF: 19.6/19

Left In: -0.688 $\pm$ 5.445 χ^2 /NDF: 11.0/9

1.005 $\pm$ 4.190 χ^2 /NDF: 11.7/27

-1.364 $\pm$ 4.108 χ^2 /NDF: 30.7/29

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.649+/-0.005 χ^2/NDF : 42566.9/16

Left Out: 15.748+/-0.004 χ^2/NDF : 45913.6/10

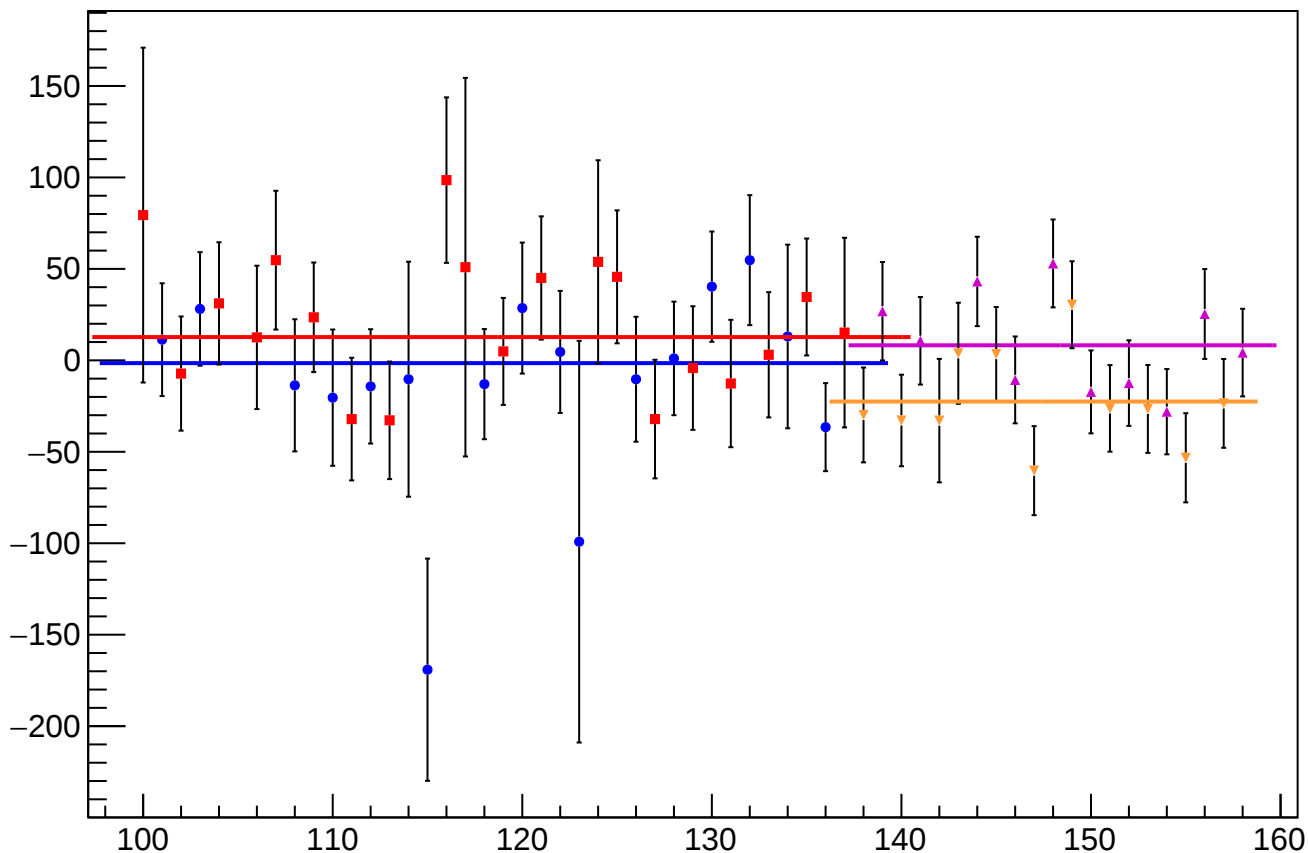
Right Out: 16.757+/-0.004 χ^2/NDF : 39957.1/19

Left In: 15.515+/-0.004 χ^2/NDF : 30471.4/9

16.131+/-0.003 χ^2/NDF : 111051.4/27

16.050+/-0.003 χ^2/NDF : 115270.1/29

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.523 ± 8.485 $\chi^2/\text{NDF}: 17.6/16$

Left Out: -22.536 ± 7.640 $\chi^2/\text{NDF}: 11.3/10$

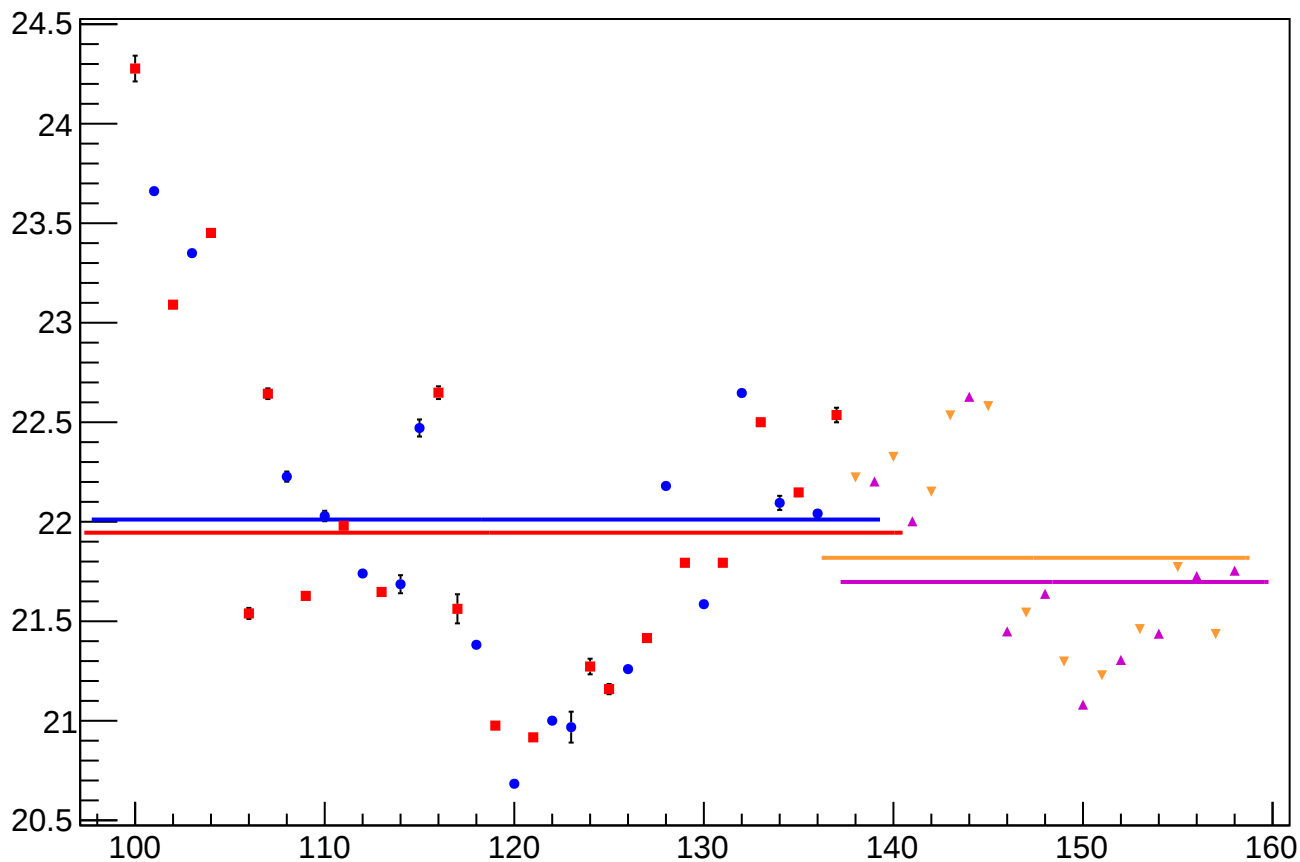
Right Out: 12.716 ± 8.185 $\chi^2/\text{NDF}: 15.7/19$

Left In: 8.216 ± 7.600 $\chi^2/\text{NDF}: 11.6/9$

-13.128 ± 5.678 $\chi^2/\text{NDF}: 32.3/27$

10.300 ± 5.569 $\chi^2/\text{NDF}: 27.5/29$

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: 21.819 $\pm$ 0.005 χ^2 /NDF:8003.5/10

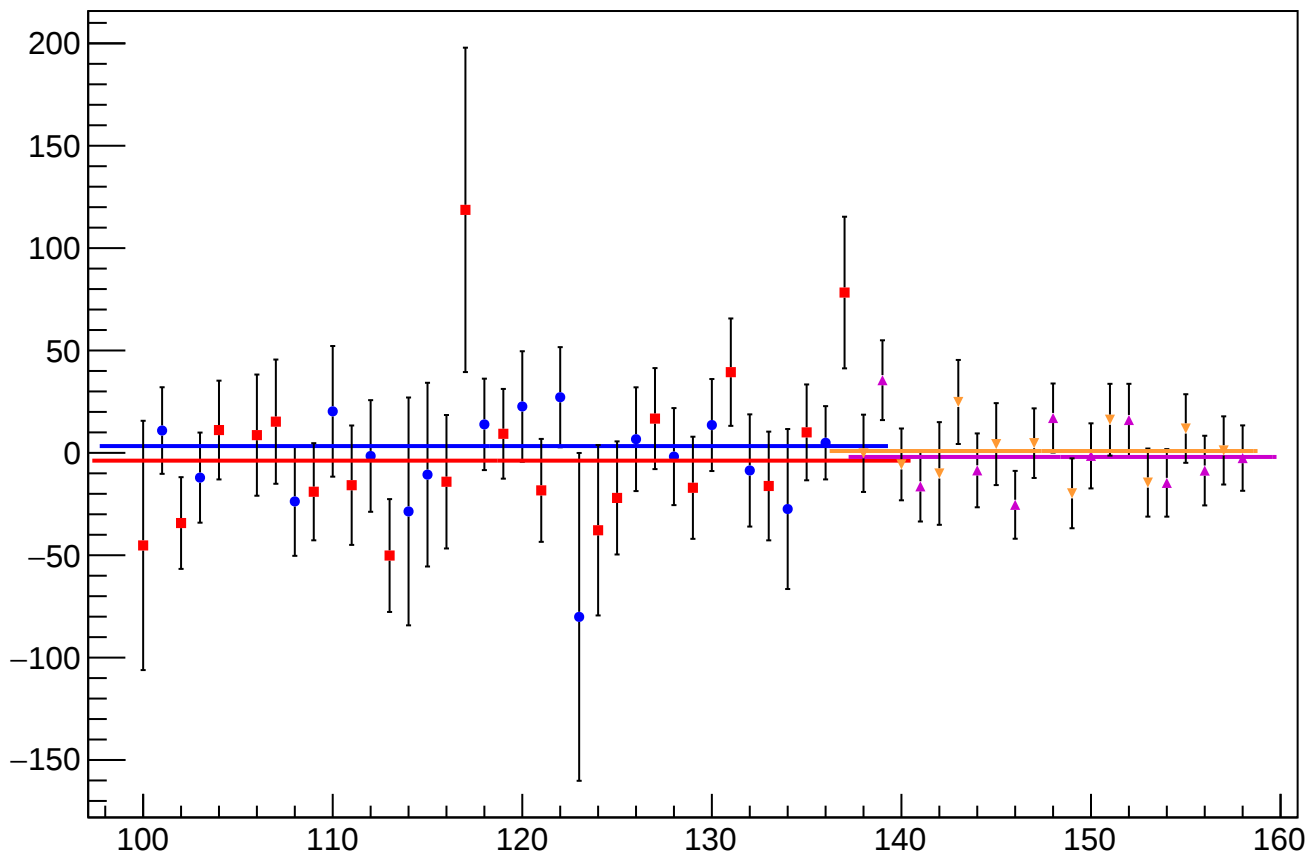
Right Out: 21.945 $\pm$ 0.006 χ^2 /NDF: 16620.2/19

Left In: 21.698 $\pm$ 0.005 χ^2 /NDF:6461.5/9

21.905 $\pm$ 0.004 χ^2 /NDF: 26117.5/27

21.812 $\pm$ 0.004 χ^2 /NDF: 24064.2/29

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.317 ± 6.388 χ^2/NDF : 6.3/16

Left Out: 0.901 ± 5.467 χ^2/NDF : 5.3/10

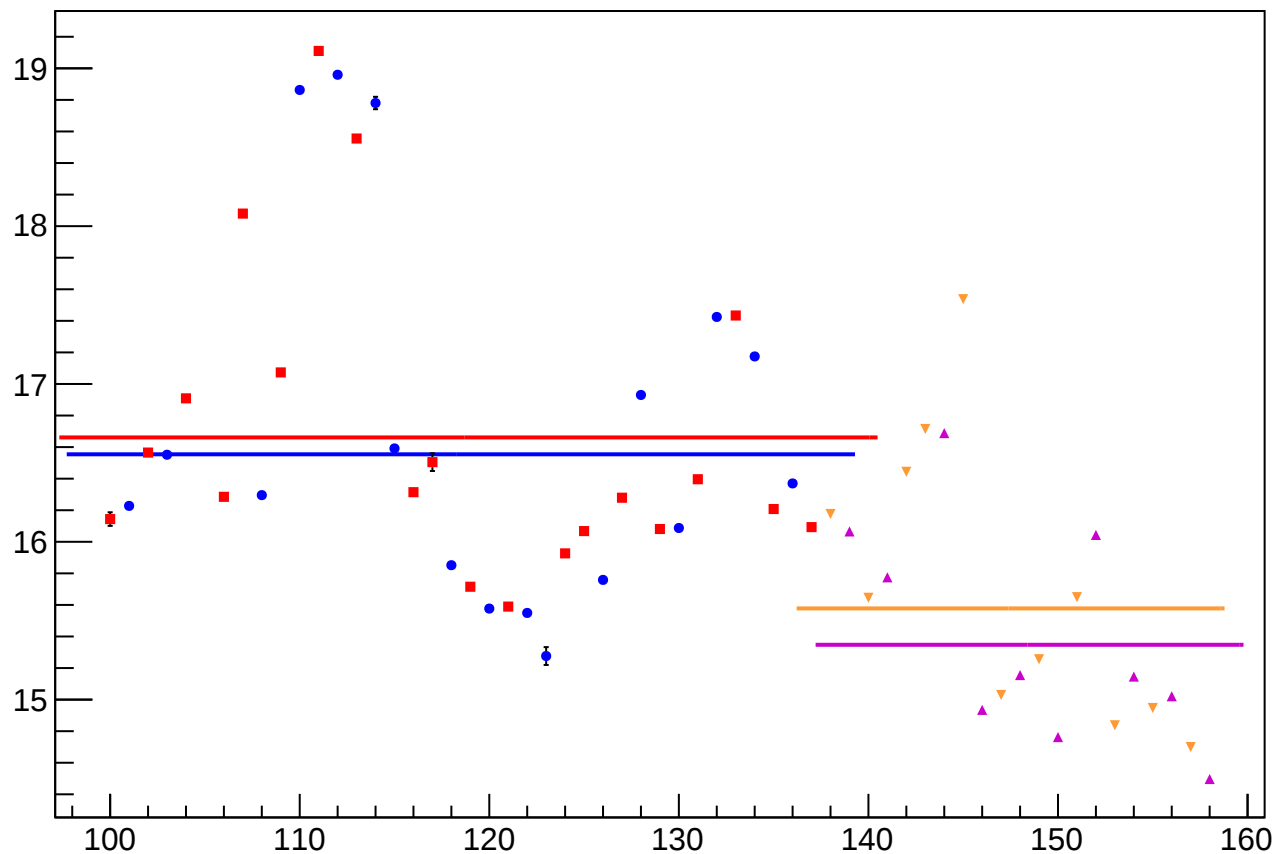
Right Out: -3.800 ± 6.224 χ^2/NDF : 20.1/19

Left In: -1.998 ± 5.386 χ^2/NDF : 9.6/9

1.922 ± 4.153 χ^2/NDF : 11.6/27

-2.770 ± 4.073 χ^2/NDF : 29.8/29

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.554 ± 0.005 χ^2/NDF : 44475.2/16

Left Out: 15.578 ± 0.004 χ^2/NDF : 44937.5/10

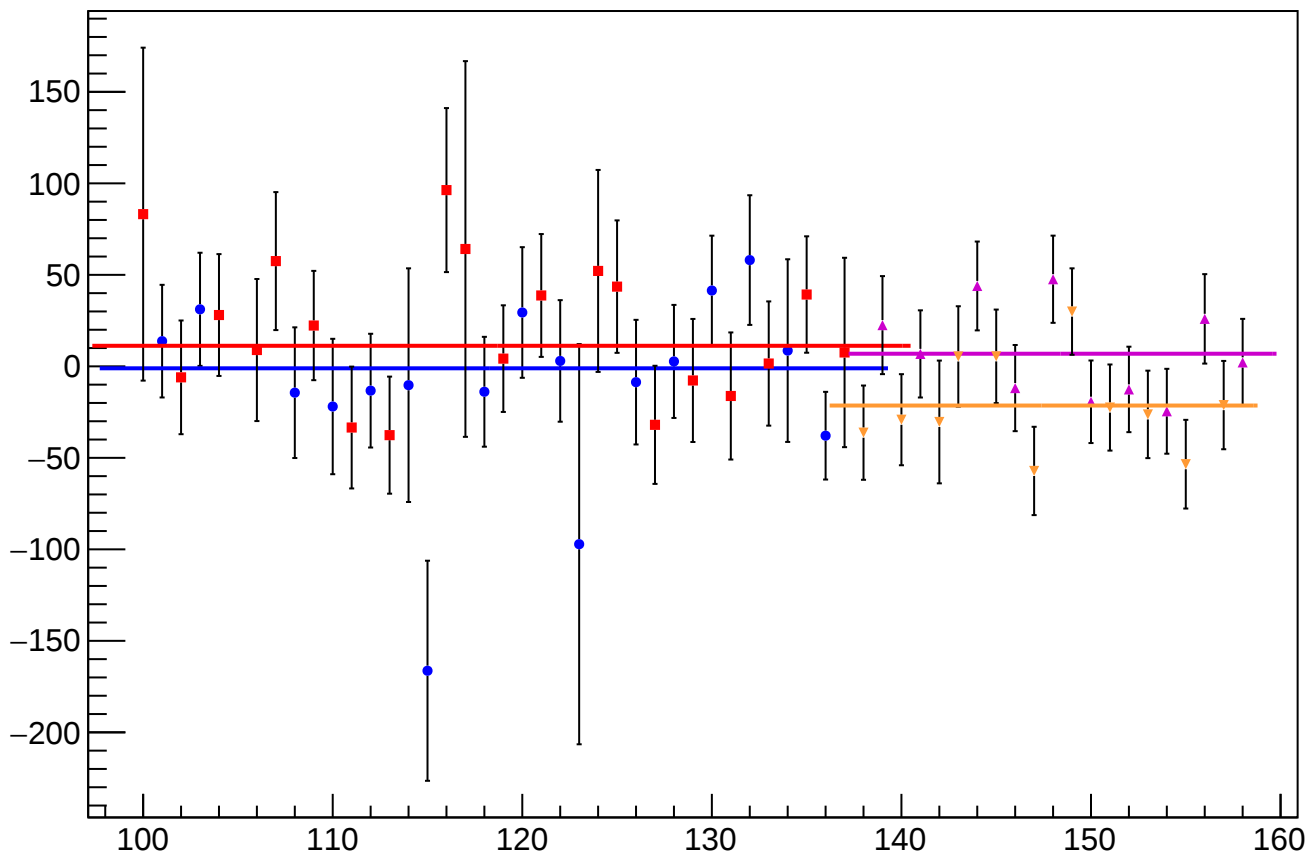
Right Out: 16.661 ± 0.004 χ^2/NDF : 43071.4/19

Left In: 15.347 ± 0.004 χ^2/NDF : 29025.7/9

15.991 ± 0.003 χ^2/NDF : 116386.1/27

15.910 ± 0.003 χ^2/NDF : 123059.3/29

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.068 $\pm$ 8.444 χ^2 /NDF: 18.5/16

Left Out: -21.411 $\pm$ 7.590 χ^2 /NDF:11.3/10

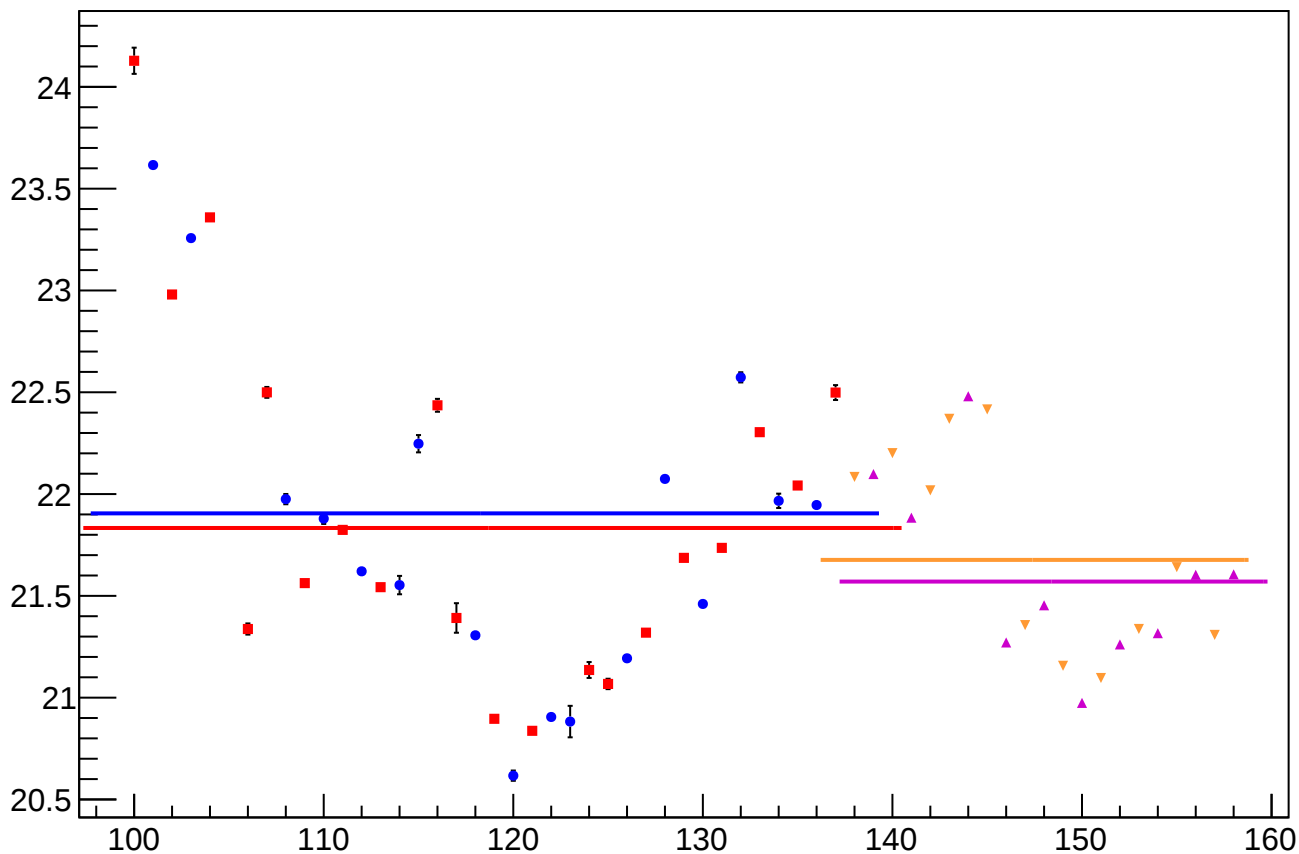
Right Out: 11.235 $\pm$ 8.143 χ^2 /NDF: 16.5/19

Left In: 6.897 $\pm$ 7.555 χ^2 /NDF:10.8/9

-12.321 $\pm$ 5.645 χ^2 /NDF: 33.0/27

8.904 $\pm$ 5.538 χ^2 /NDF: 27.4/29

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: 21.677 $\pm$ 0.005 χ^2 /NDF: 7957.2/10

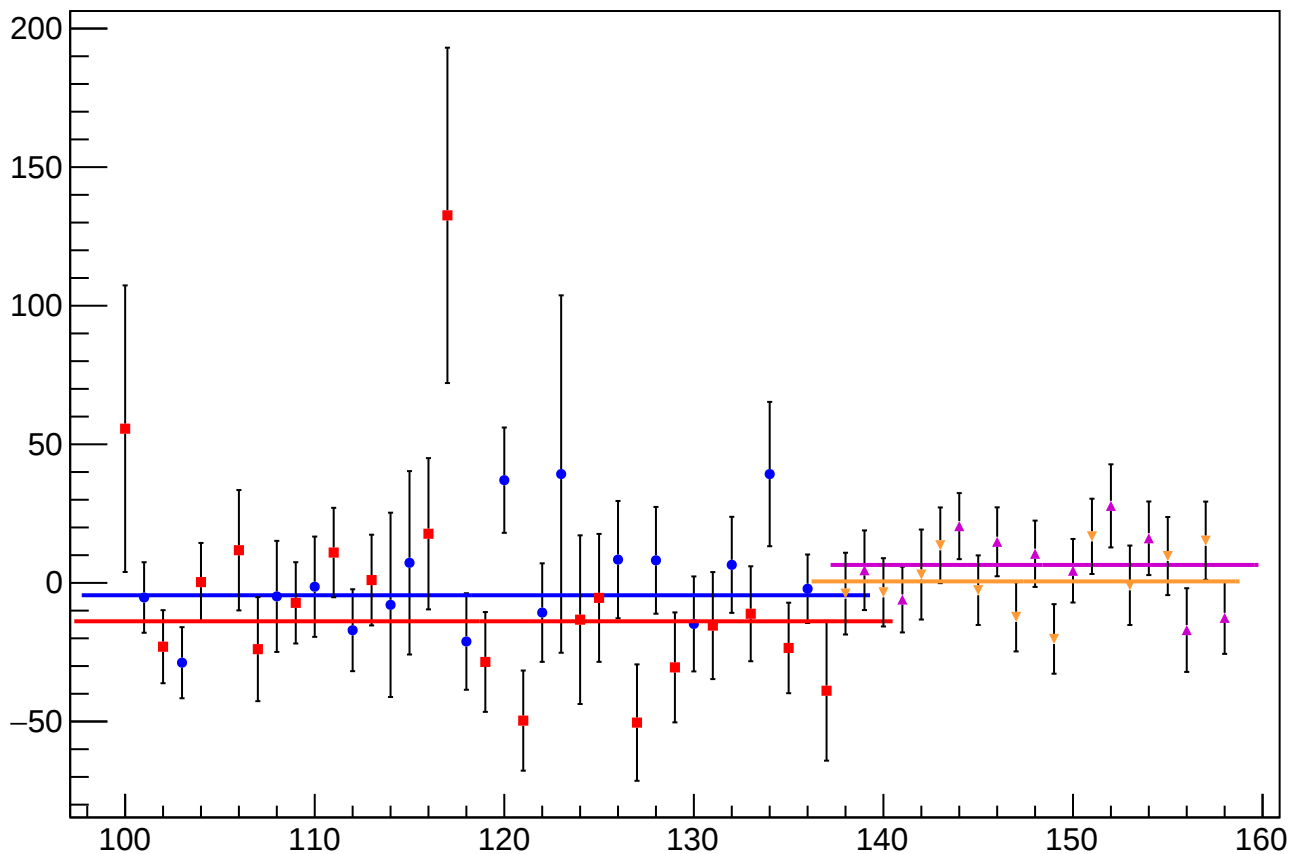
Right Out: 21.833 $\pm$ 0.006 χ^2 /NDF: 16288.5/19

Left In: 21.570 $\pm$ 0.005 χ^2 /NDF: 6300.3/9

21.779 $\pm$ 0.004 χ^2 /NDF: 26561.8/27

21.692 $\pm$ 0.004 χ^2 /NDF: 23712.1/29

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



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

-1.816 ± 2.972 $\chi^2/\text{NDF}: 23.8/27$

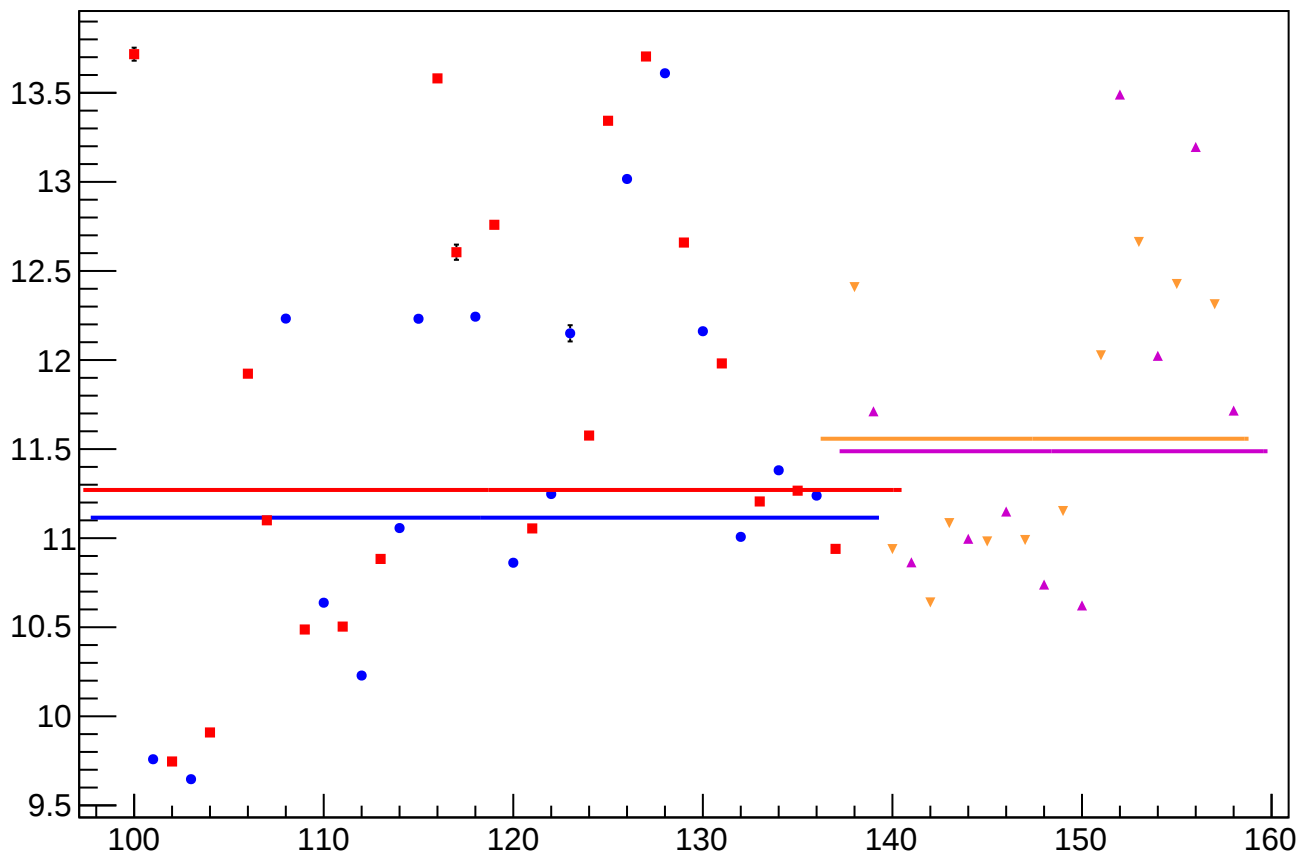
Left Out: 0.543 ± 4.089 $\chi^2/\text{NDF}: 7.9/10$

Right Out: -13.851 ± 4.253 $\chi^2/\text{NDF}: 25.4/19$

-3.228 ± 2.939 $\chi^2/\text{NDF}: 47.6/29$

Left In: 6.482 ± 4.066 $\chi^2/\text{NDF}: 10.2/9$

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: 11.558 $\pm$ 0.003 χ^2 /NDF:58586.3/10

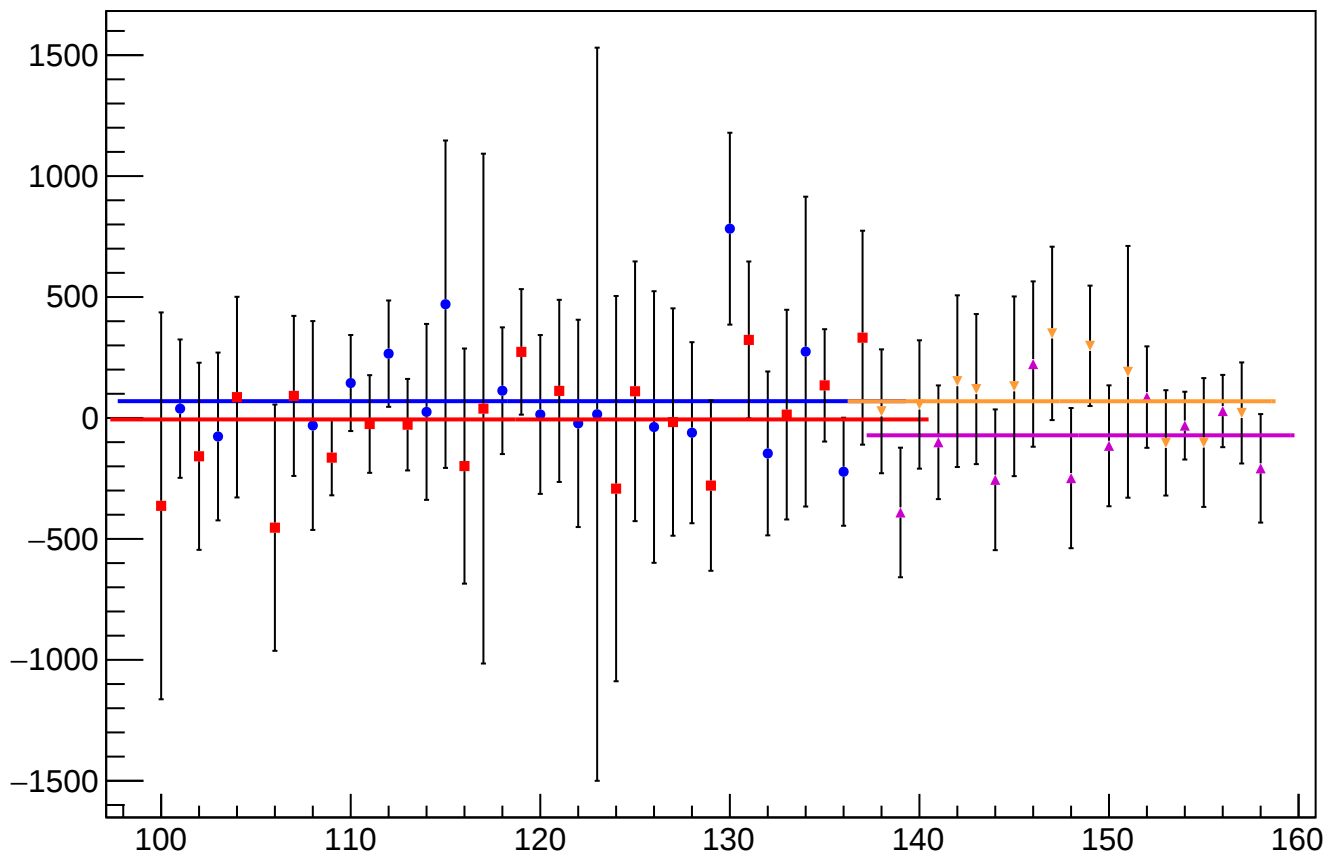
Right Out: 11.271 $\pm$ 0.003 χ^2 /NDF: 148461.6/19

Left In: 11.488 $\pm$ 0.003 χ^2 /NDF:95243.0/9

11.349 $\pm$ 0.002 χ^2 /NDF: 202723.7/27

11.384 $\pm$ 0.002 χ^2 /NDF: 246432.6/29

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 69.470 $\pm$ 79.231 χ^2 /NDF: 7.3/16

Left Out: 69.103 $\pm$ 84.291 χ^2 /NDF: 2.7/10

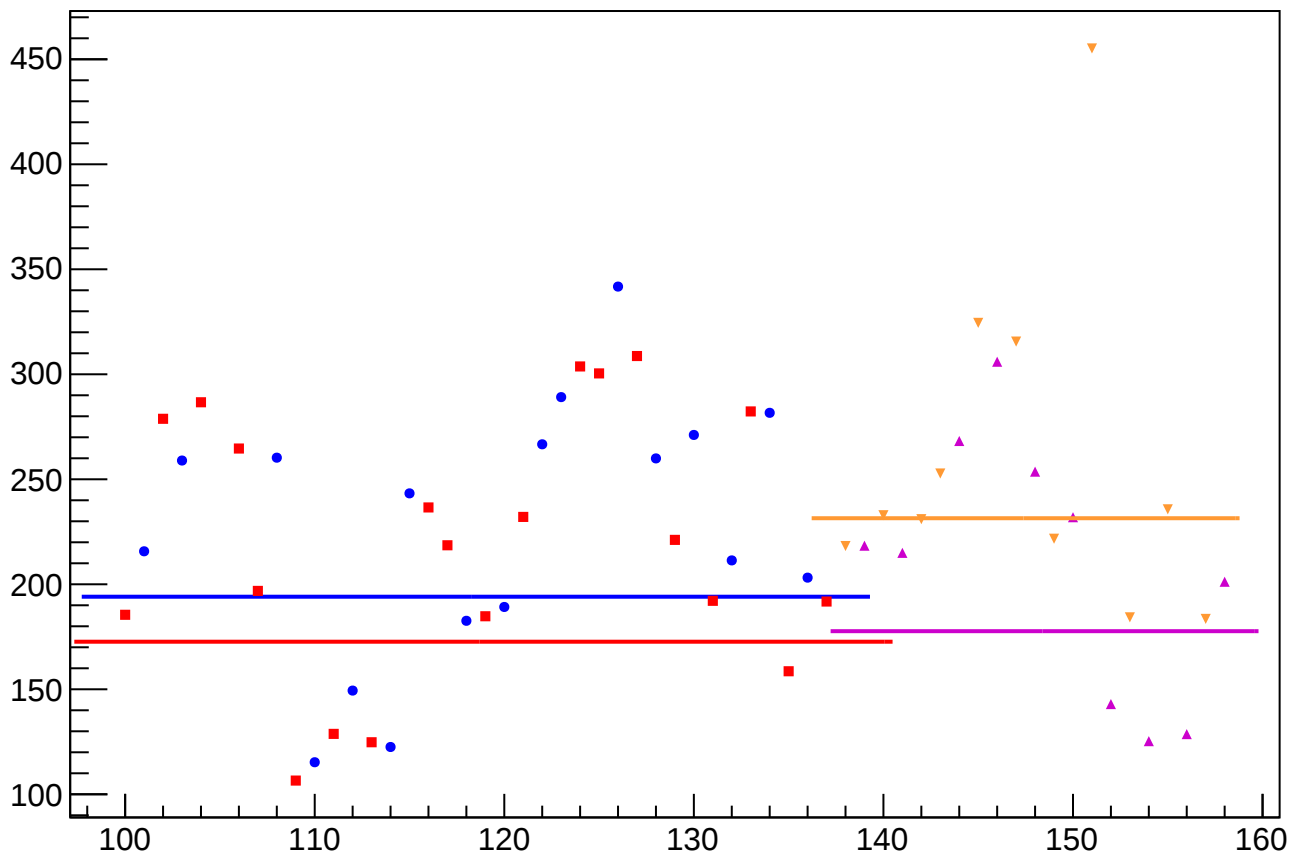
Right Out: -5.996 $\pm$ 70.027 χ^2 /NDF: 6.5/19

Left In: -71.700 $\pm$ 67.628 χ^2 /NDF: 4.4/9

69.298 $\pm$ 57.731 χ^2 /NDF: 10.0/27

-39.993 $\pm$ 48.646 χ^2 /NDF: 11.4/29

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: 231.456 $\pm$ 0.060 χ^2 /NDF: 822893.2/10

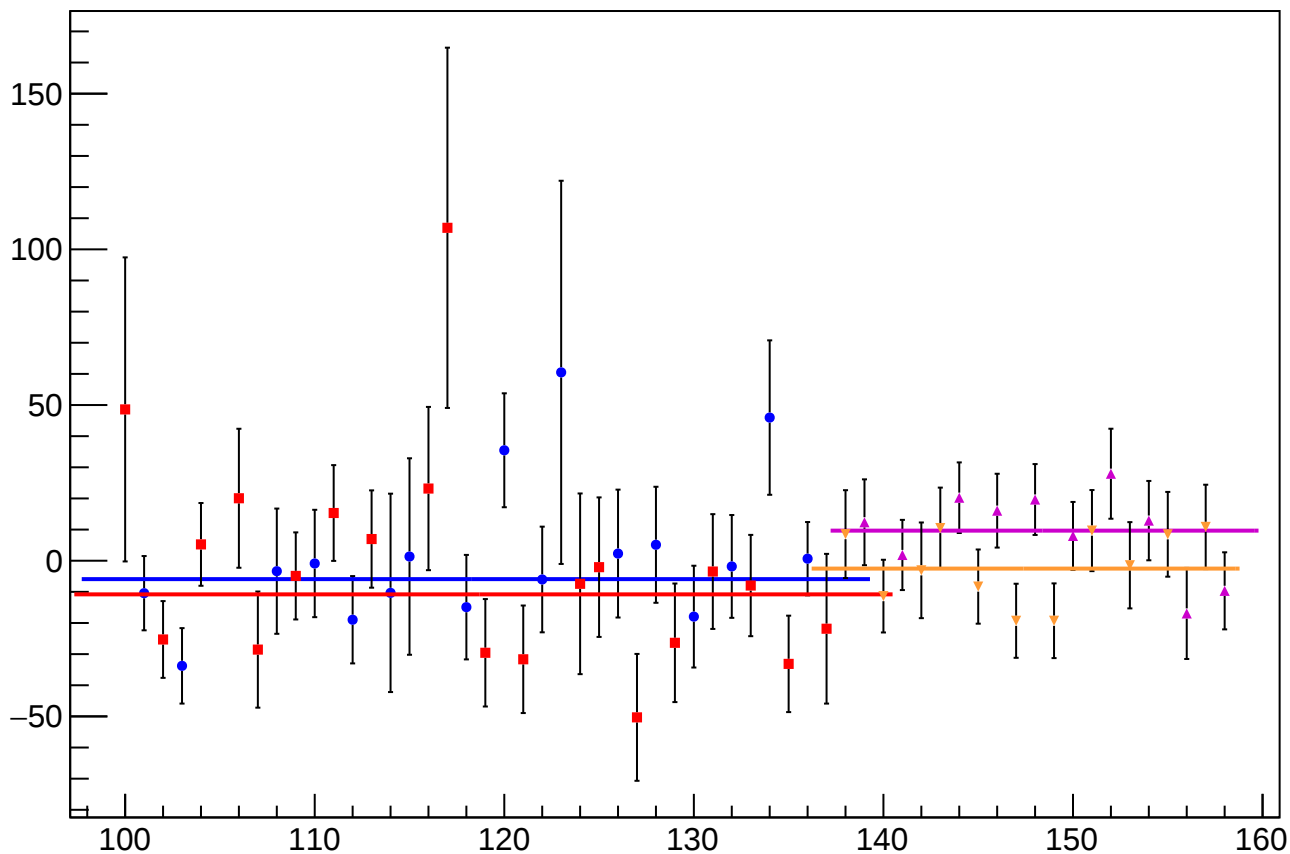
Right Out: 172.655 $\pm$ 0.050 χ^2 /NDF: 1573277.0/19

Left In: 177.670 $\pm$ 0.048 χ^2 /NDF: 1375213.7/9

211.613 $\pm$ 0.041 χ^2 /NDF: 2037044.8/27

175.250 $\pm$ 0.034 χ^2 /NDF: 2953797.0/29

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.912 ± 4.133 $\chi^2/\text{NDF}: 18.8/16$

Left Out: -2.530 ± 3.906 $\chi^2/\text{NDF}: 8.9/10$

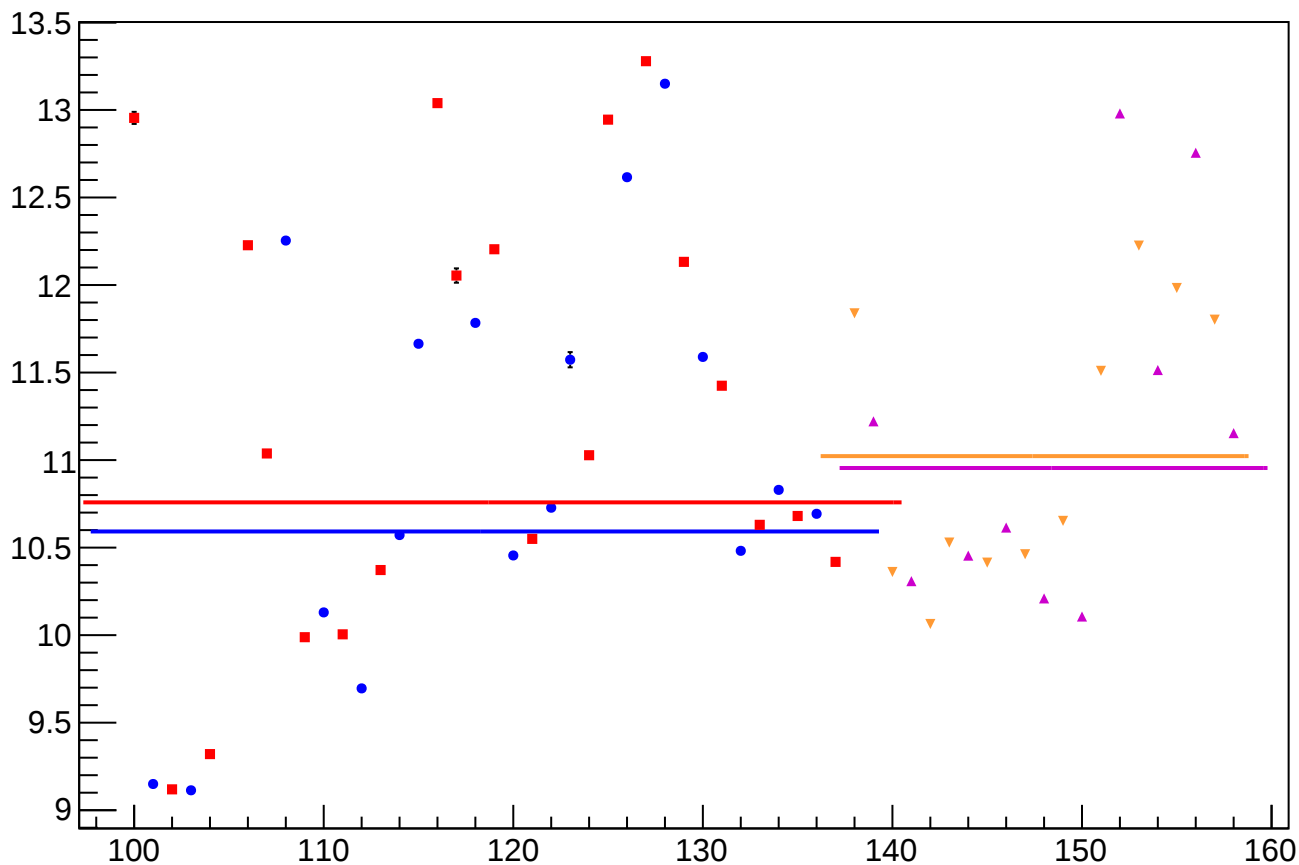
Right Out: -10.806 ± 4.068 $\chi^2/\text{NDF}: 27.0/19$

Left In: 9.660 ± 3.884 $\chi^2/\text{NDF}: 9.9/9$

-4.126 ± 2.839 $\chi^2/\text{NDF}: 28.1/27$

-0.099 ± 2.809 $\chi^2/\text{NDF}: 50.2/29$

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: 11.023 $\pm$ 0.003 χ^2 /NDF: 69793.7/10

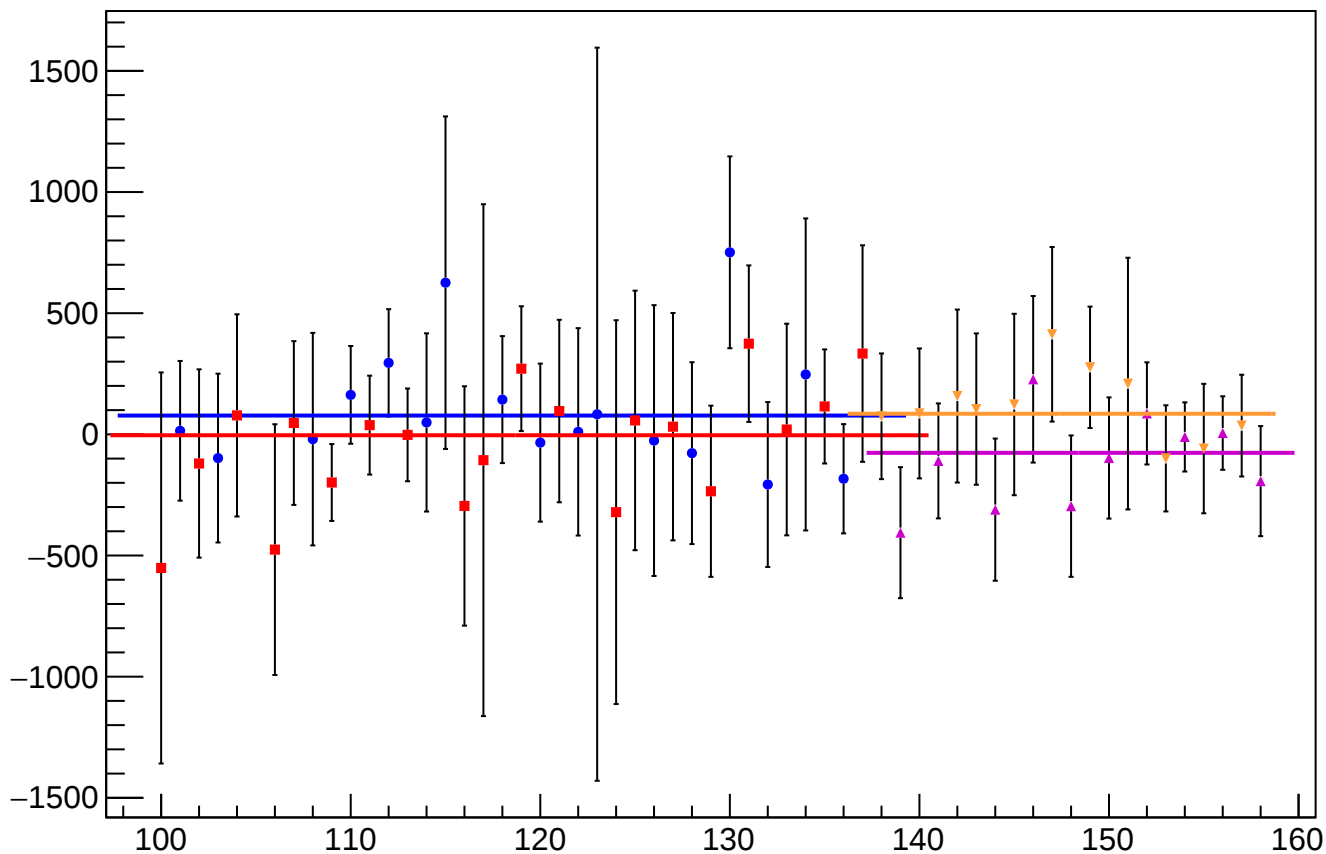
Right Out: 10.758 $\pm$ 0.003 χ^2 /NDF: 177903.3/19

Left In: 10.955 $\pm$ 0.003 χ^2 /NDF: 107482.6/9

10.820 $\pm$ 0.002 χ^2 /NDF: 241646.8/27

10.861 $\pm$ 0.002 χ^2 /NDF: 287821.8/29

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: 84.984 $\pm$ 84.853 χ^2/NDF : 2.6/10

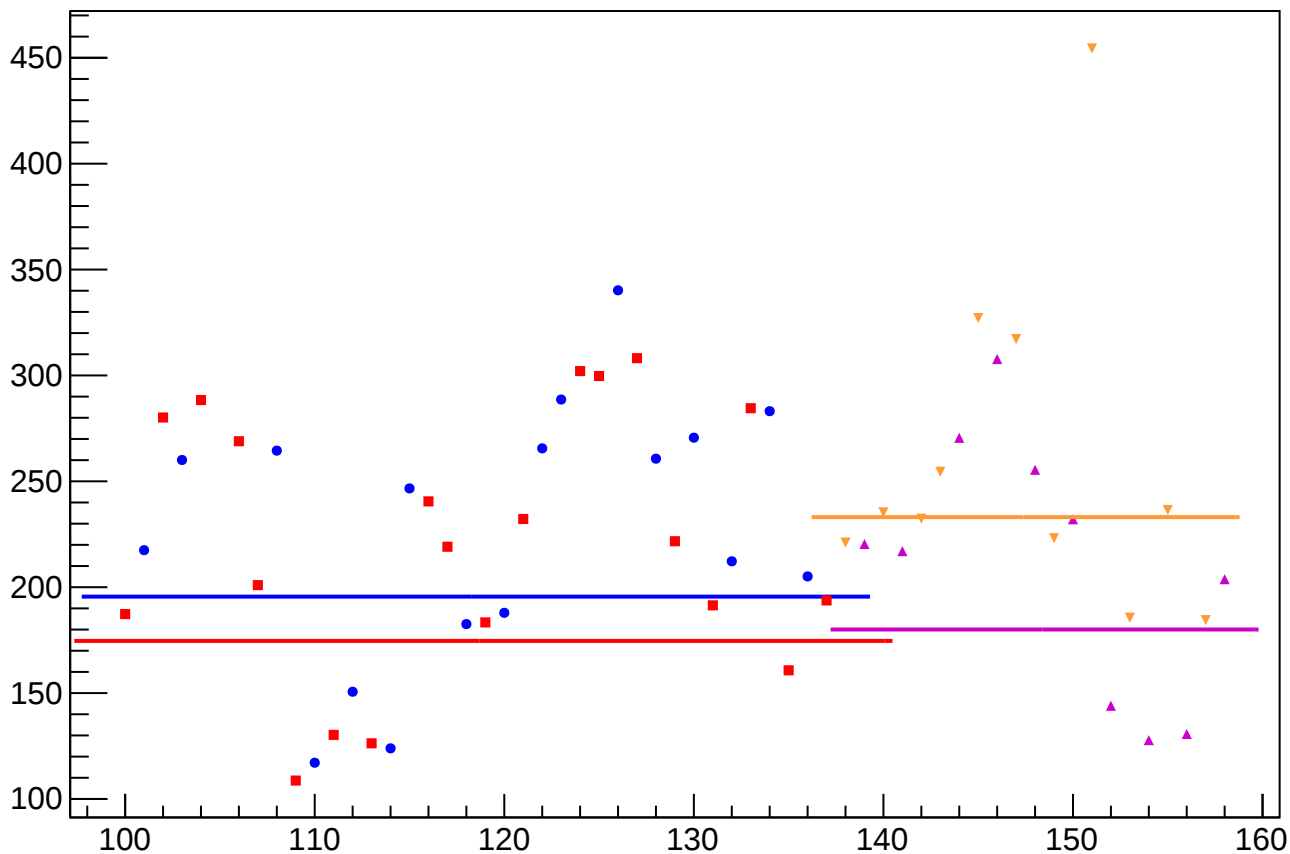
Right Out: -3.768 $\pm$ 70.696 χ^2/NDF : 7.4/19

Left In: -76.274 $\pm$ 68.399 χ^2/NDF : 4.9/9

81.057 $\pm$ 58.112 χ^2/NDF : 10.1/27

-41.217 $\pm$ 49.157 χ^2/NDF : 12.8/29

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.551 $\pm$ 0.056 χ^2 /NDF: 979937.7/16

Left Out: 233.097 $\pm$ 0.060 χ^2 /NDF: 816971.8/10

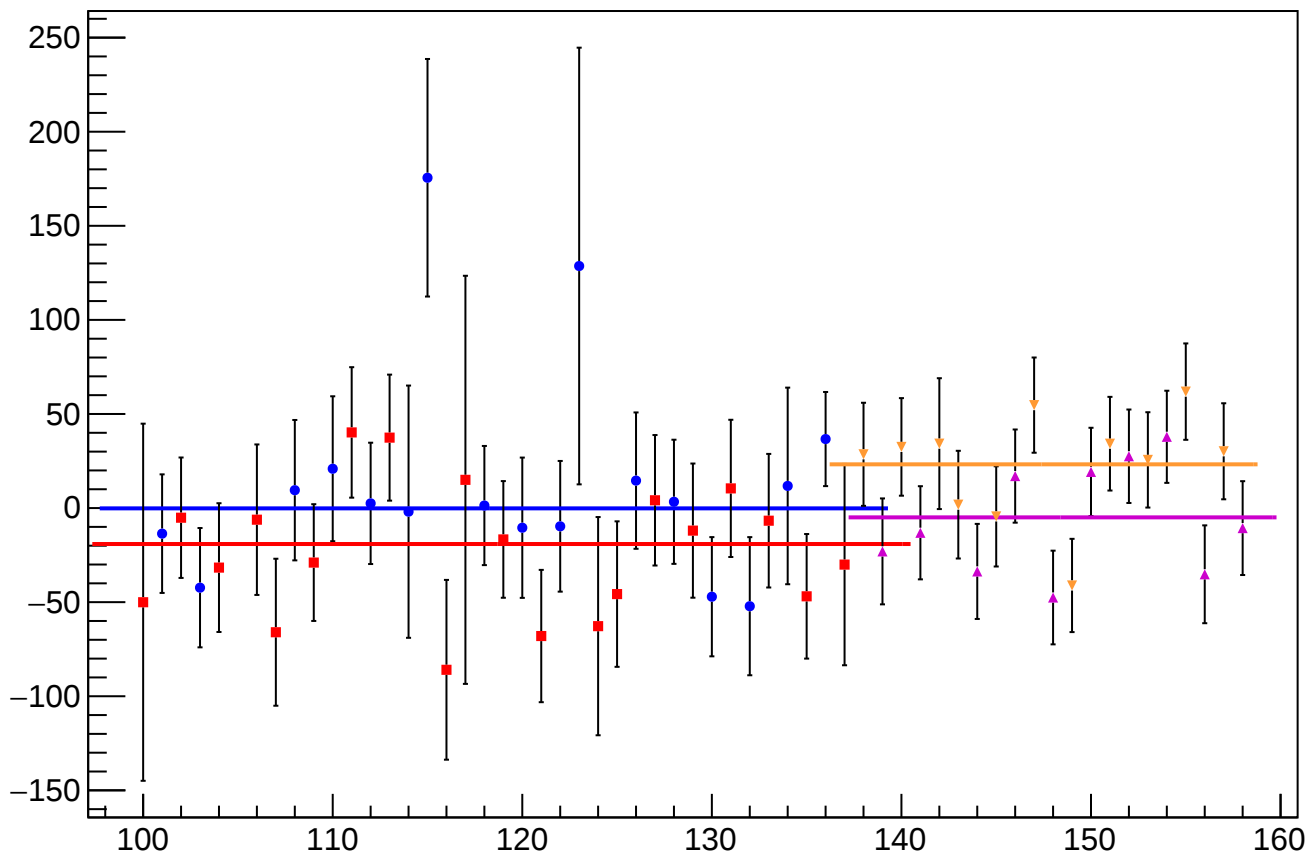
Right Out: 174.649 $\pm$ 0.050 χ^2 /NDF: 1532189.1/19

Left In: 180.028 $\pm$ 0.048 χ^2 /NDF: 1339887.5/9

213.161 $\pm$ 0.041 χ^2 /NDF: 2004831.1/27

177.427 $\pm$ 0.035 χ^2 /NDF: 2878056.0/29

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -0.158 ± 8.826 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 23.242 ± 7.980 $\chi^2/\text{NDF}: 12.8/10$

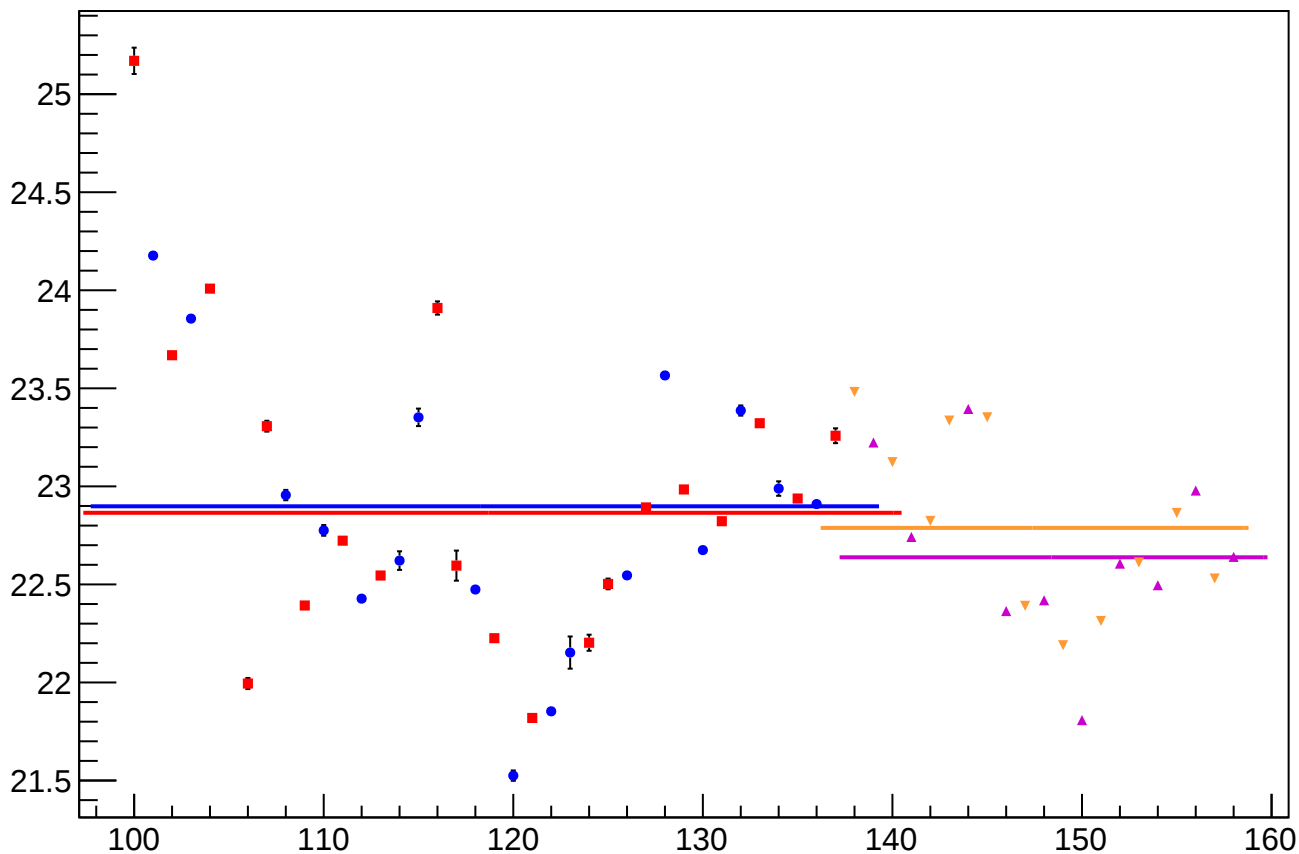
Right Out: -19.104 ± 8.527 $\chi^2/\text{NDF}: 14.9/19$

Left In: -4.943 ± 7.930 $\chi^2/\text{NDF}: 12.8/9$

12.718 ± 5.919 $\chi^2/\text{NDF}: 34.7/27$

-11.510 ± 5.807 $\chi^2/\text{NDF}: 29.2/29$

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: 22.788 $\pm$ 0.006 χ^2 /NDF: 5952.9/10

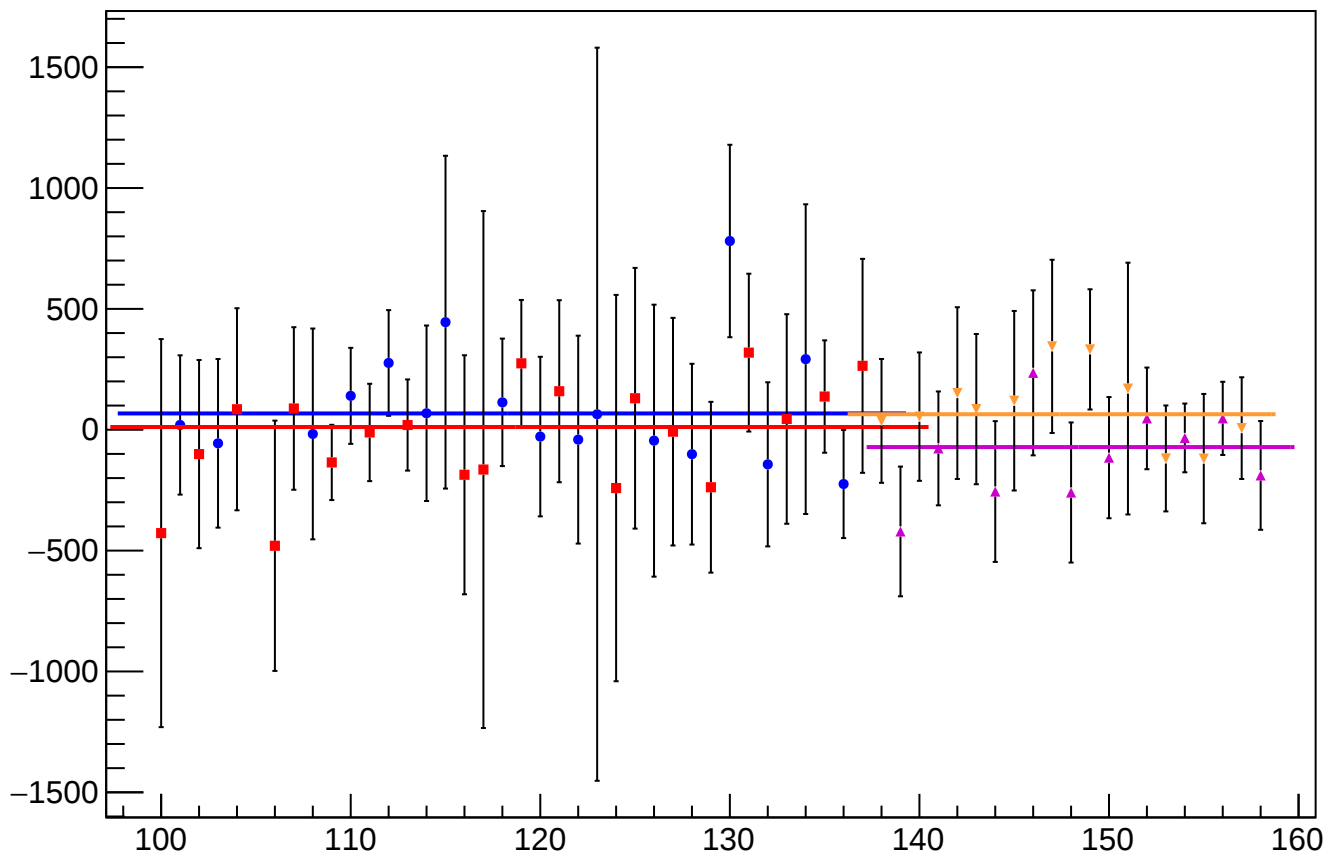
Right Out: 22.865 $\pm$ 0.006 χ^2 /NDF: 11060.8/19

Left In: 22.638 $\pm$ 0.006 χ^2 /NDF: 6014.4/9

22.838 $\pm$ 0.004 χ^2 /NDF: 18267.3/27

22.744 $\pm$ 0.004 χ^2 /NDF: 17834.9/29

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: 64.155+/-84.526 χ^2/NDF : 3.2/10

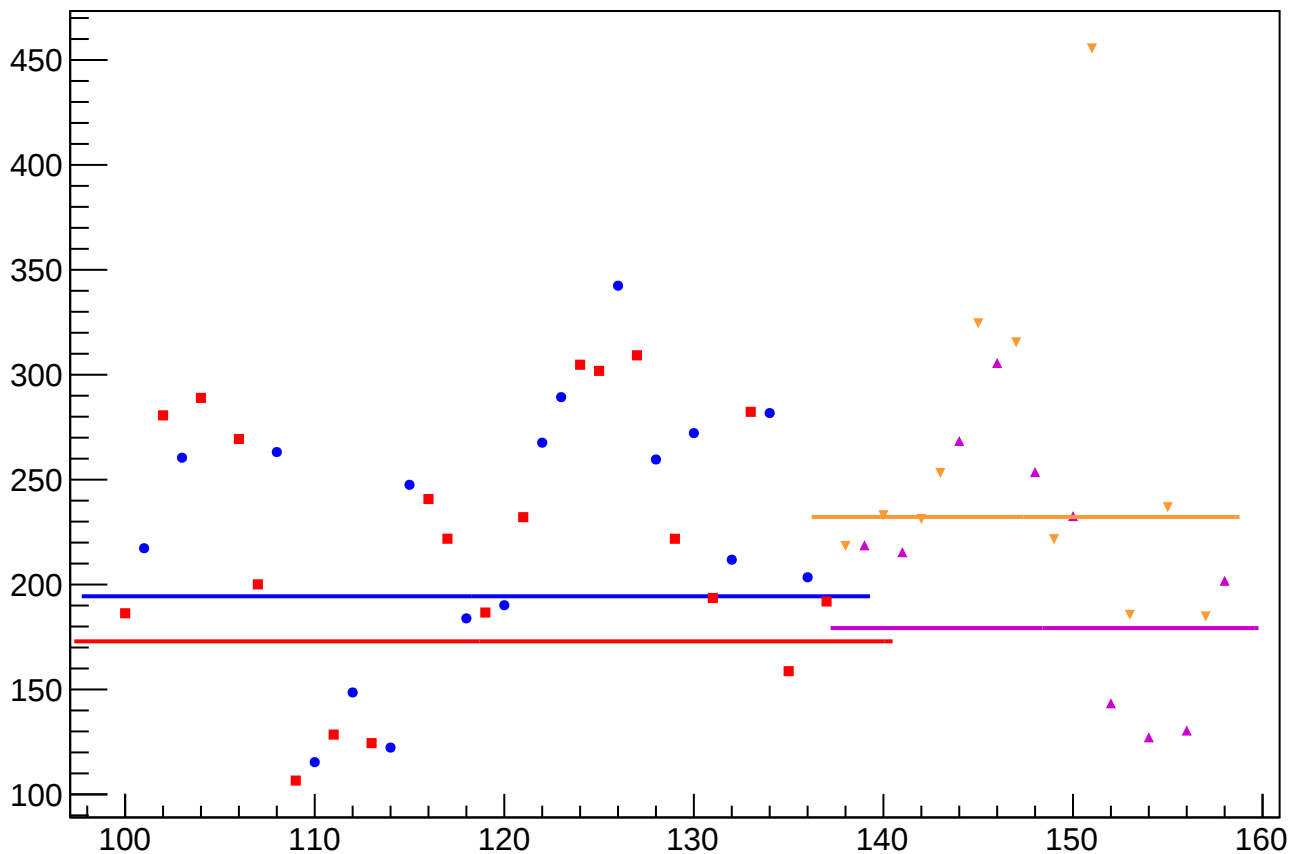
Right Out: 11.355+/-70.203 χ^2/NDF : 5.8/19

Left In: -71.675+/-68.106 χ^2/NDF : 4.6/9

65.905+/-57.873 χ^2/NDF : 10.5/27

-31.418+/-48.883 χ^2/NDF : 11.1/29

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: 232.221+/-0.060 χ^2/NDF : 810587.6/10

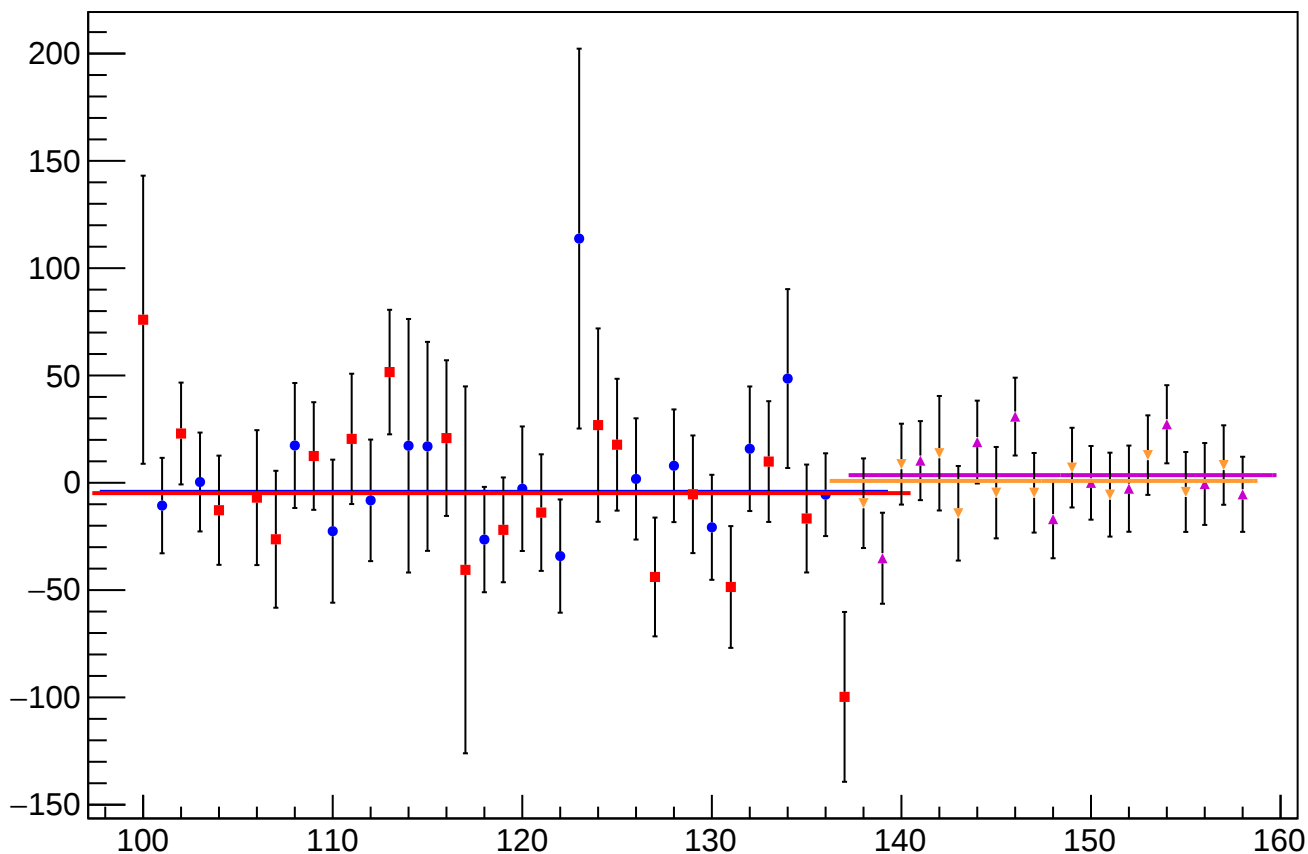
Right Out: 172.942+/-0.050 χ^2/NDF : 1600959.1/19

Left In: 179.264+/-0.048 χ^2/NDF : 1328537.8/9

212.136+/-0.041 χ^2/NDF : 2043091.3/27

176.199+/-0.035 χ^2/NDF : 2937853.5/29

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.223 ± 6.871 $\chi^2/\text{NDF}: 8.0/16$

Left Out: 0.876 ± 5.985 $\chi^2/\text{NDF}: 2.2/10$

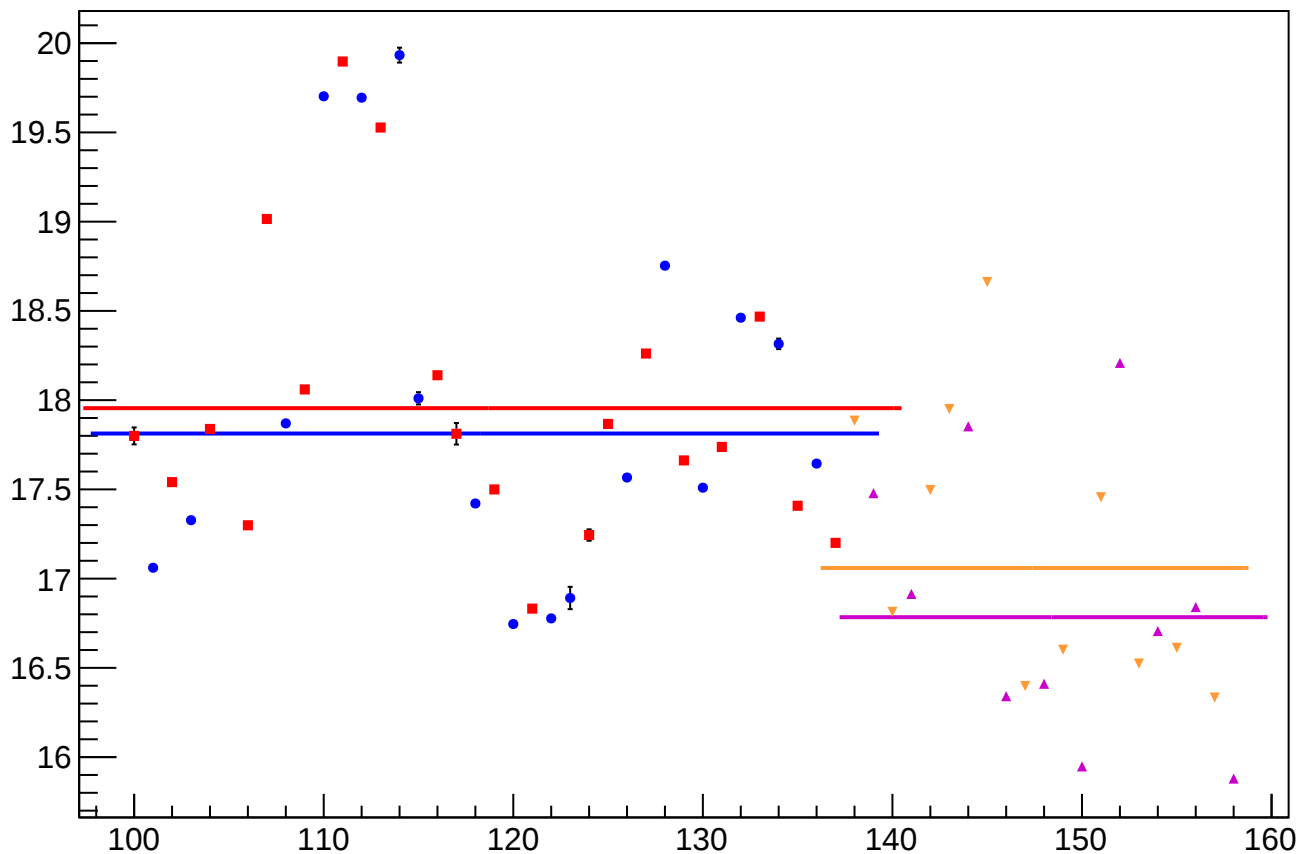
Right Out: -4.820 ± 6.704 $\chi^2/\text{NDF}: 21.3/19$

Left In: 3.563 ± 5.892 $\chi^2/\text{NDF}: 9.8/9$

-1.324 ± 4.513 $\chi^2/\text{NDF}: 10.5/27$

-0.090 ± 4.426 $\chi^2/\text{NDF}: 31.9/29$

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: 17.060 ± 0.004 χ^2/NDF : 29072.9/10

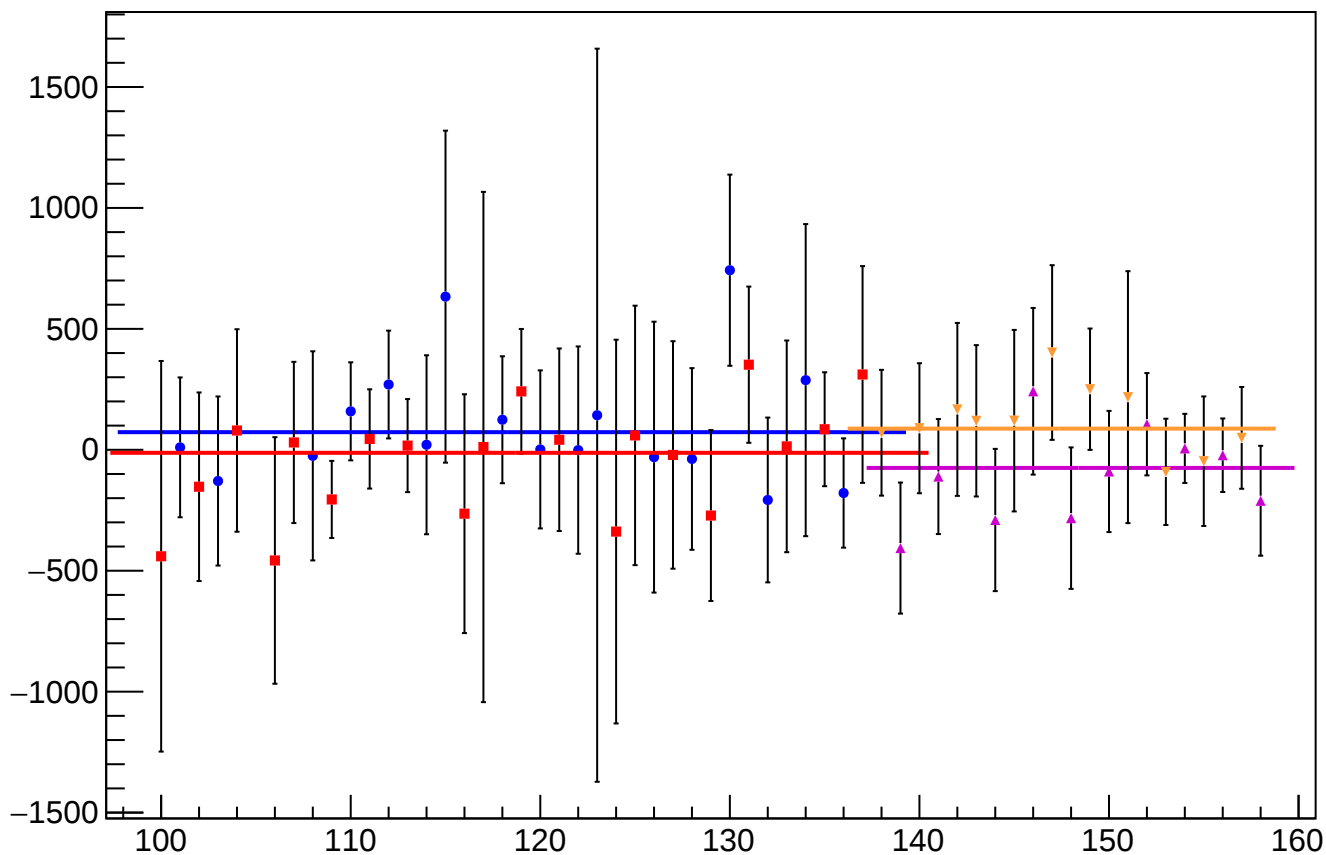
Right Out: 17.955 ± 0.005 χ^2/NDF : 25451.0/19

Left In: 16.784 ± 0.004 χ^2/NDF : 30622.8/9

17.385 ± 0.003 χ^2/NDF : 74772.2/27

17.294 ± 0.003 χ^2/NDF : 90506.1/29

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 72.888+/-79.948 χ^2/NDF : 7.2/16

Left Out: 87.514+/-85.053 χ^2/NDF : 2.3/10

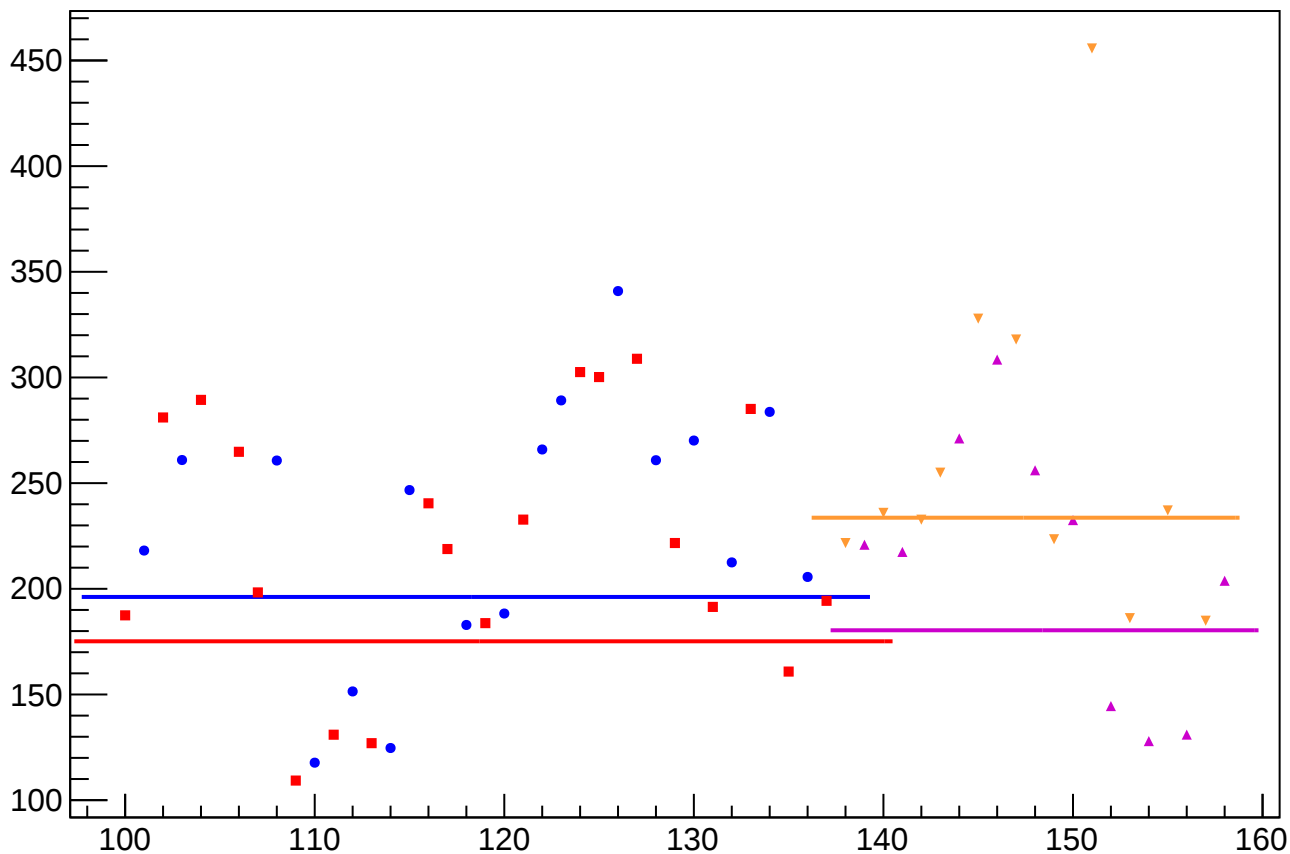
Right Out: -12.456+/-70.853 χ^2/NDF : 6.7/19

Left In: -74.916+/-68.534 χ^2/NDF : 4.9/9

79.749+/-58.253 χ^2/NDF : 9.5/27

-44.725+/-49.260 χ^2/NDF : 12.1/29

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: 233.647 $\pm$ 0.060 χ^2 /NDF: 816730.7/10

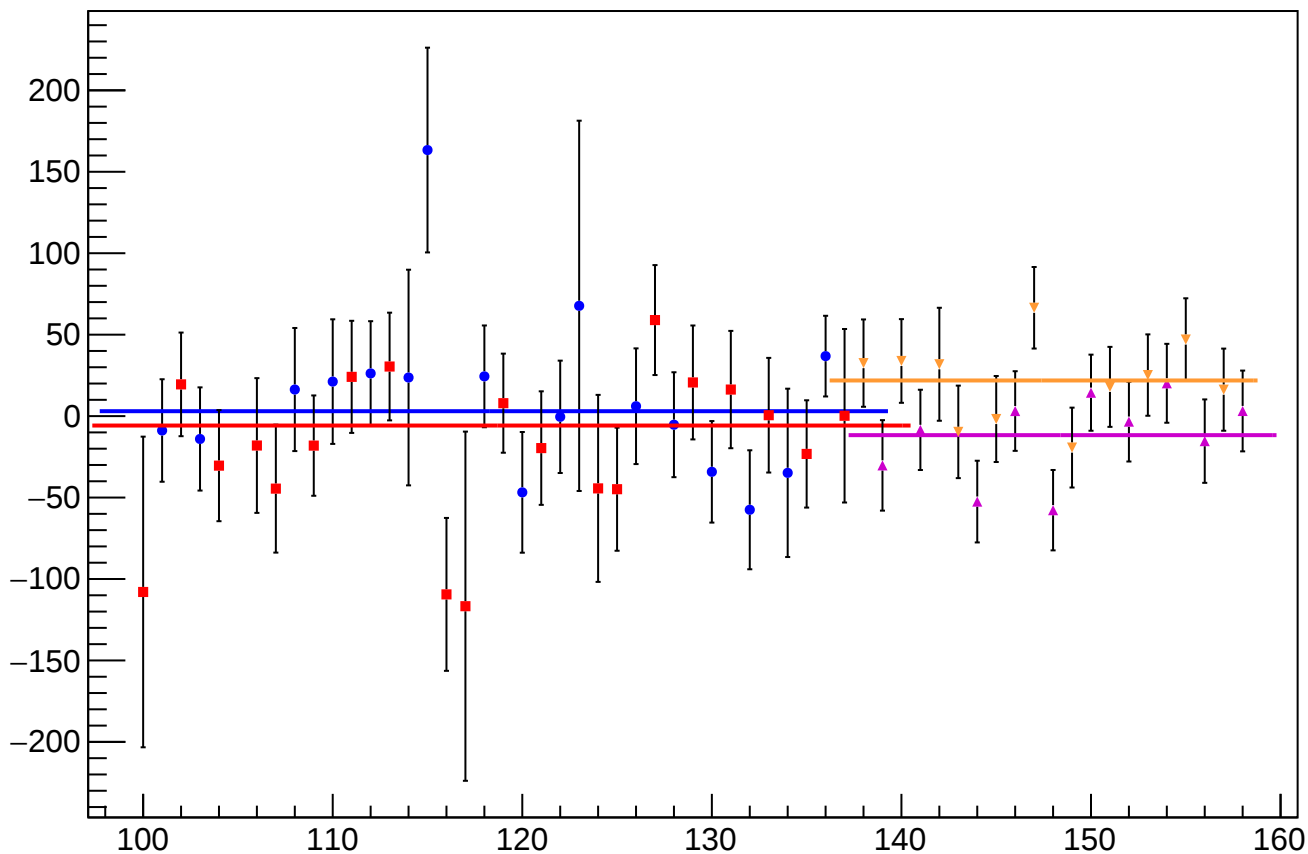
Right Out: 175.163 $\pm$ 0.050 χ^2 /NDF: 1514398.4/19

Left In: 180.379 $\pm$ 0.048 χ^2 /NDF: 1339917.3/9

213.740 $\pm$ 0.041 χ^2 /NDF: 1988098.4/27

177.858 $\pm$ 0.035 χ^2 /NDF: 2859916.4/29

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: 21.881 ± 7.889 $\chi^2/\text{NDF}: 9.6/10$

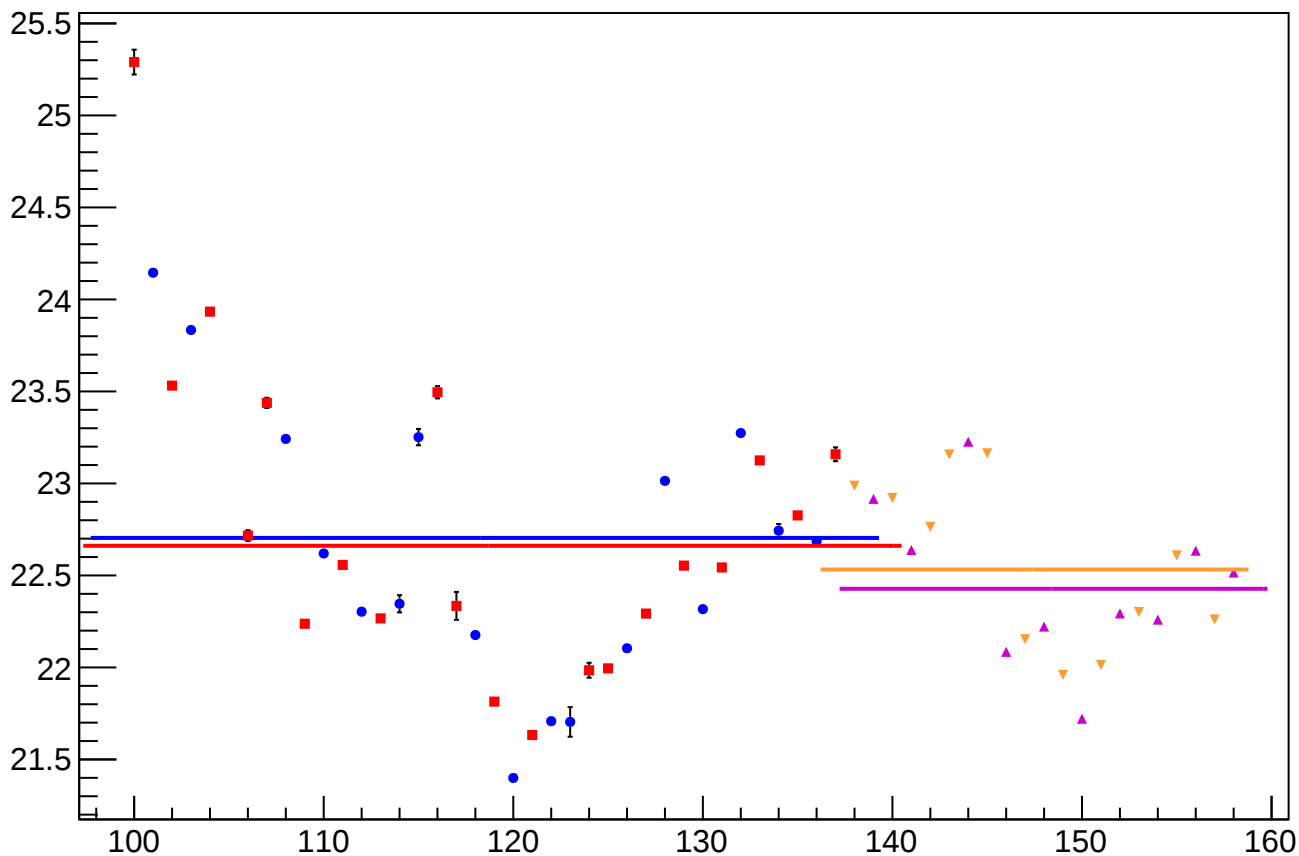
Right Out: -5.786 ± 8.451 $\chi^2/\text{NDF}: 18.3/19$

Left In: -11.688 ± 7.855 $\chi^2/\text{NDF}: 10.4/9$

13.426 ± 5.860 $\chi^2/\text{NDF}: 29.3/27$

-8.952 ± 5.754 $\chi^2/\text{NDF}: 28.9/29$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.704 ± 0.006 χ^2/NDF : 14105.8/16

Left Out: 22.532 ± 0.006 χ^2/NDF : 6101.3/10

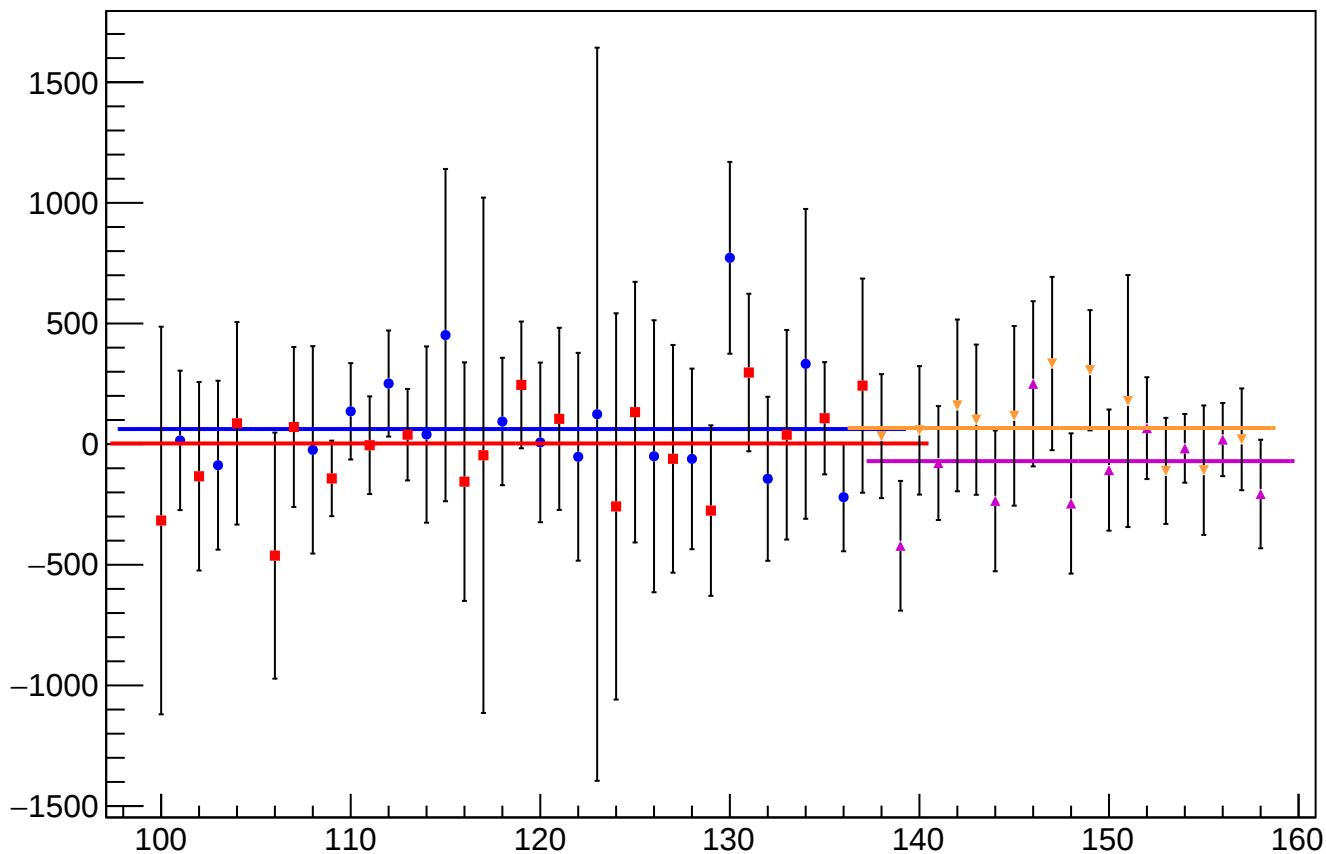
Right Out: 22.661 ± 0.006 χ^2/NDF : 12962.1/19

Left In: 22.427 ± 0.006 χ^2/NDF : 5468.6/9

22.609 ± 0.004 χ^2/NDF : 20631.6/27

22.536 ± 0.004 χ^2/NDF : 19251.1/29

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 62.573 $\pm$ 79.605 χ^2 /NDF: 7.0/16

Left Out: 66.787 $\pm$ 84.724 χ^2 /NDF: 2.8/10

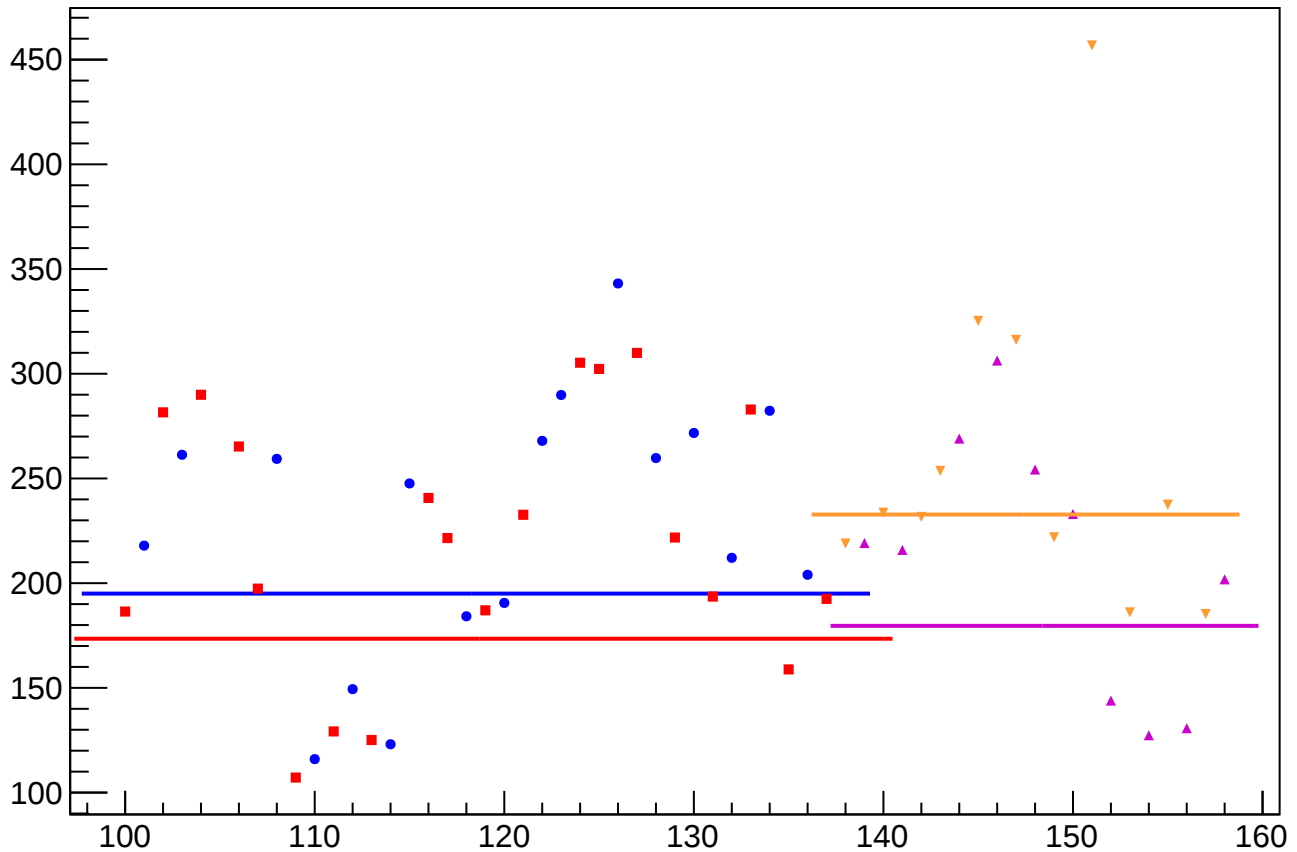
Right Out: 2.824 $\pm$ 70.364 χ^2 /NDF: 5.2/19

Left In: -70.308 $\pm$ 68.241 χ^2 /NDF: 4.6/9

64.549 $\pm$ 58.014 χ^2 /NDF: 9.8/27

-34.862 $\pm$ 48.987 χ^2 /NDF: 10.3/29

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: 232.768 $\pm$ 0.060 χ^2 /NDF: 810433.9/10

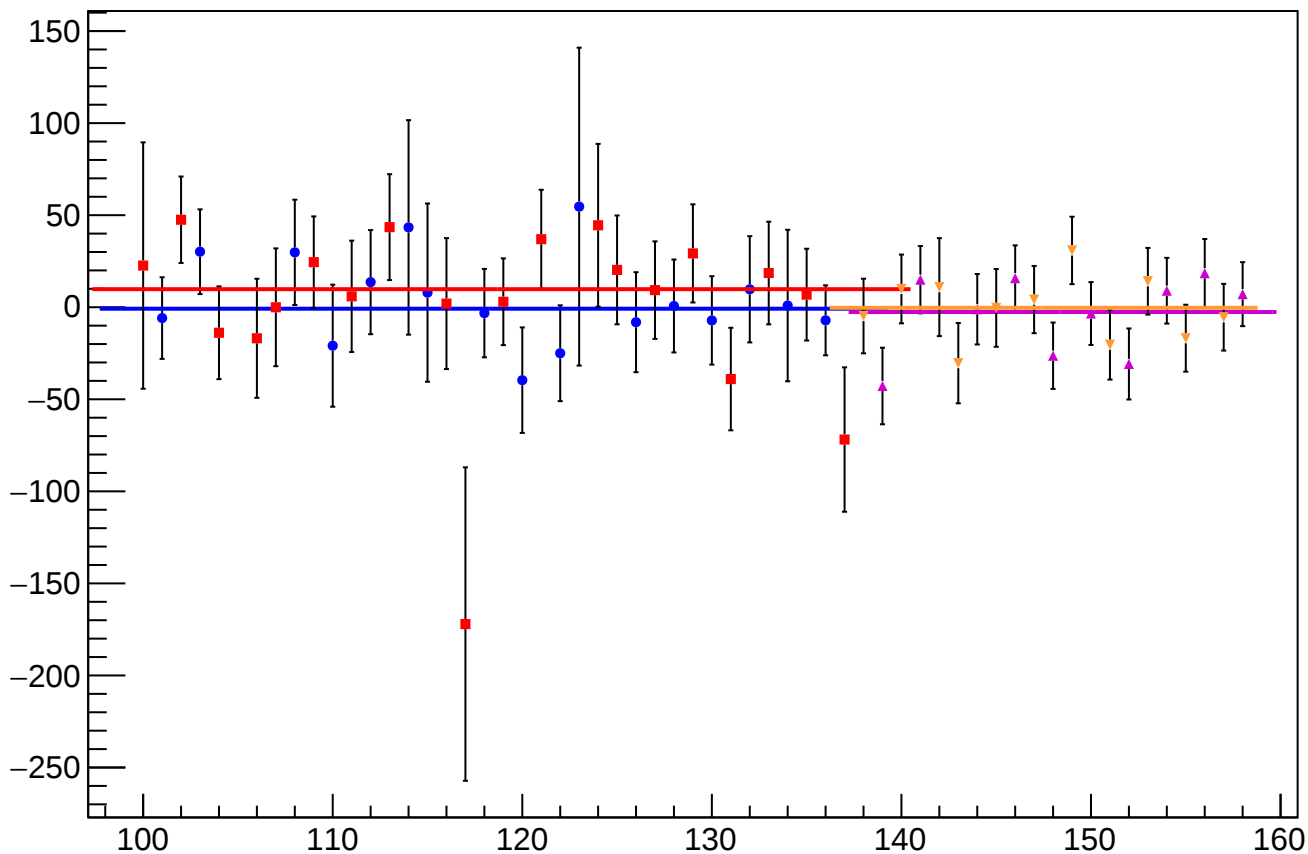
Right Out: 173.471 $\pm$ 0.050 χ^2 /NDF: 1582273.4/19

Left In: 179.615 $\pm$ 0.048 χ^2 /NDF: 1328658.4/9

212.720 $\pm$ 0.041 χ^2 /NDF: 2025559.2/27

176.637 $\pm$ 0.035 χ^2 /NDF: 2918789.0/29

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.801 ± 6.770 $\chi^2/\text{NDF}: 7.8/16$

Left Out: -0.308 ± 5.877 $\chi^2/\text{NDF}: 8.0/10$

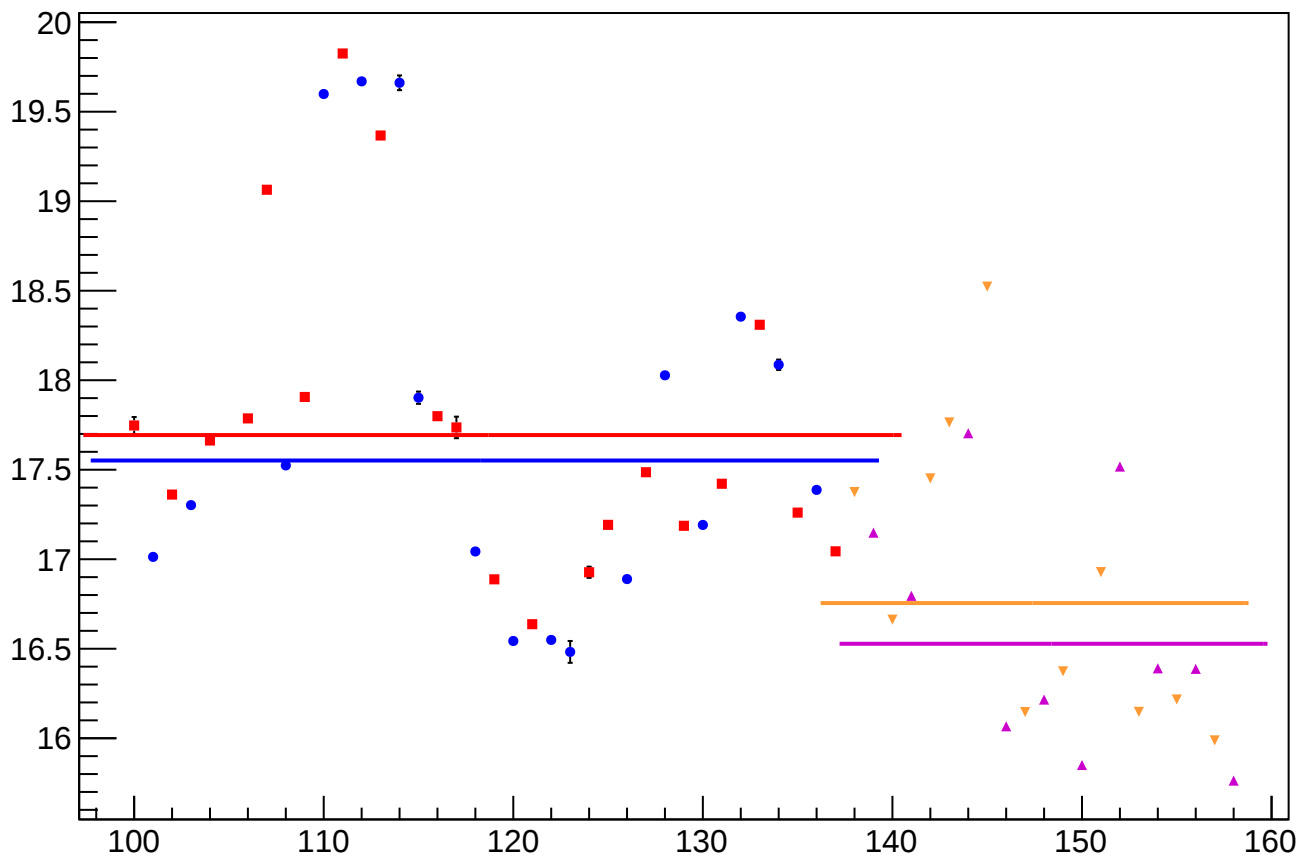
Right Out: 9.809 ± 6.606 $\chi^2/\text{NDF}: 20.5/19$

Left In: -2.605 ± 5.799 $\chi^2/\text{NDF}: 11.6/9$

-0.520 ± 4.438 $\chi^2/\text{NDF}: 15.8/27$

2.797 ± 4.358 $\chi^2/\text{NDF}: 34.2/29$

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: 16.755+/-0.004 χ^2/NDF : 32421.6/10

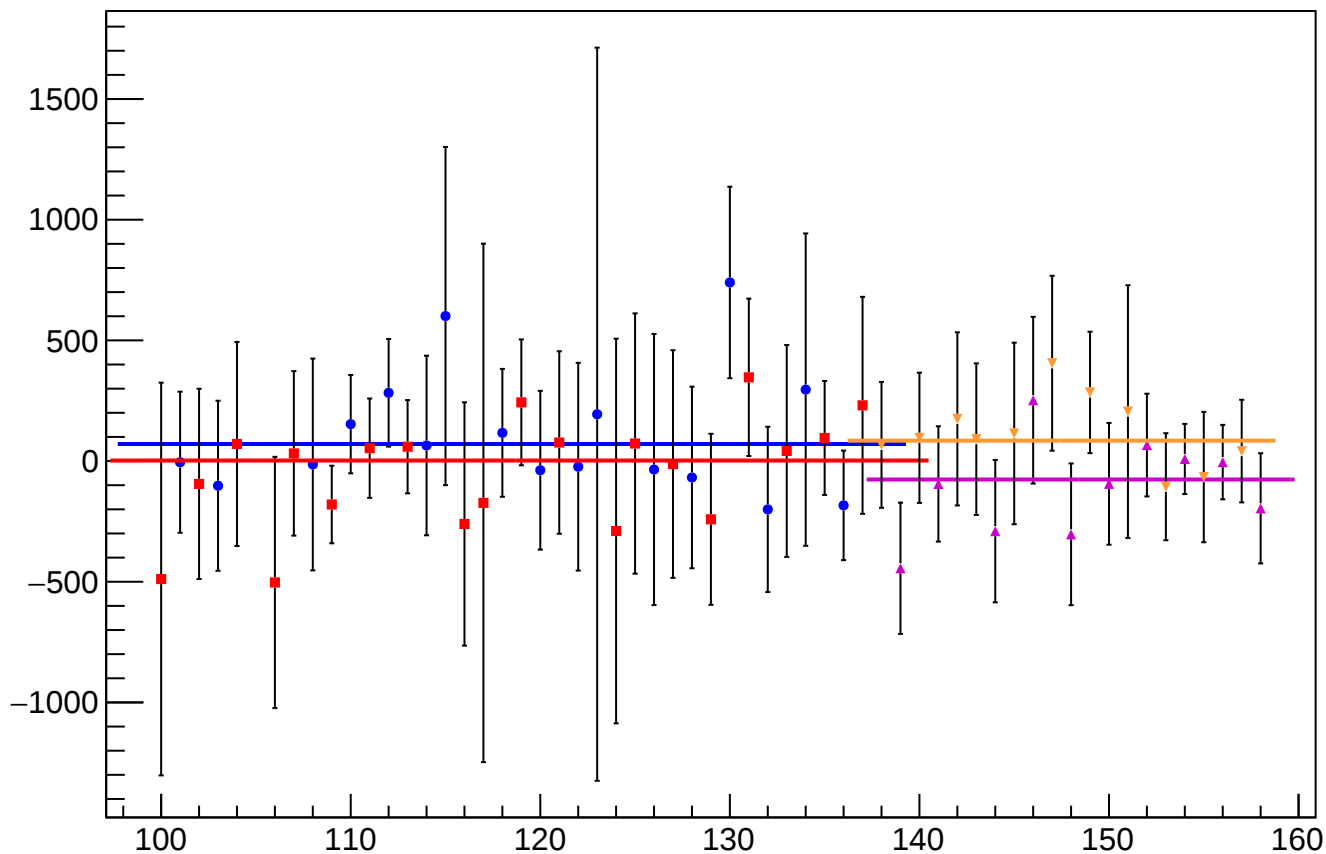
Right Out: 17.694+/-0.005 χ^2/NDF : 30742.5/19

Left In: 16.528+/-0.004 χ^2/NDF : 24225.7/9

17.097+/-0.003 χ^2/NDF : 82228.1/27

17.035+/-0.003 χ^2/NDF : 90151.6/29

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: 84.646+/-85.542 χ^2/NDF : 2.6/10

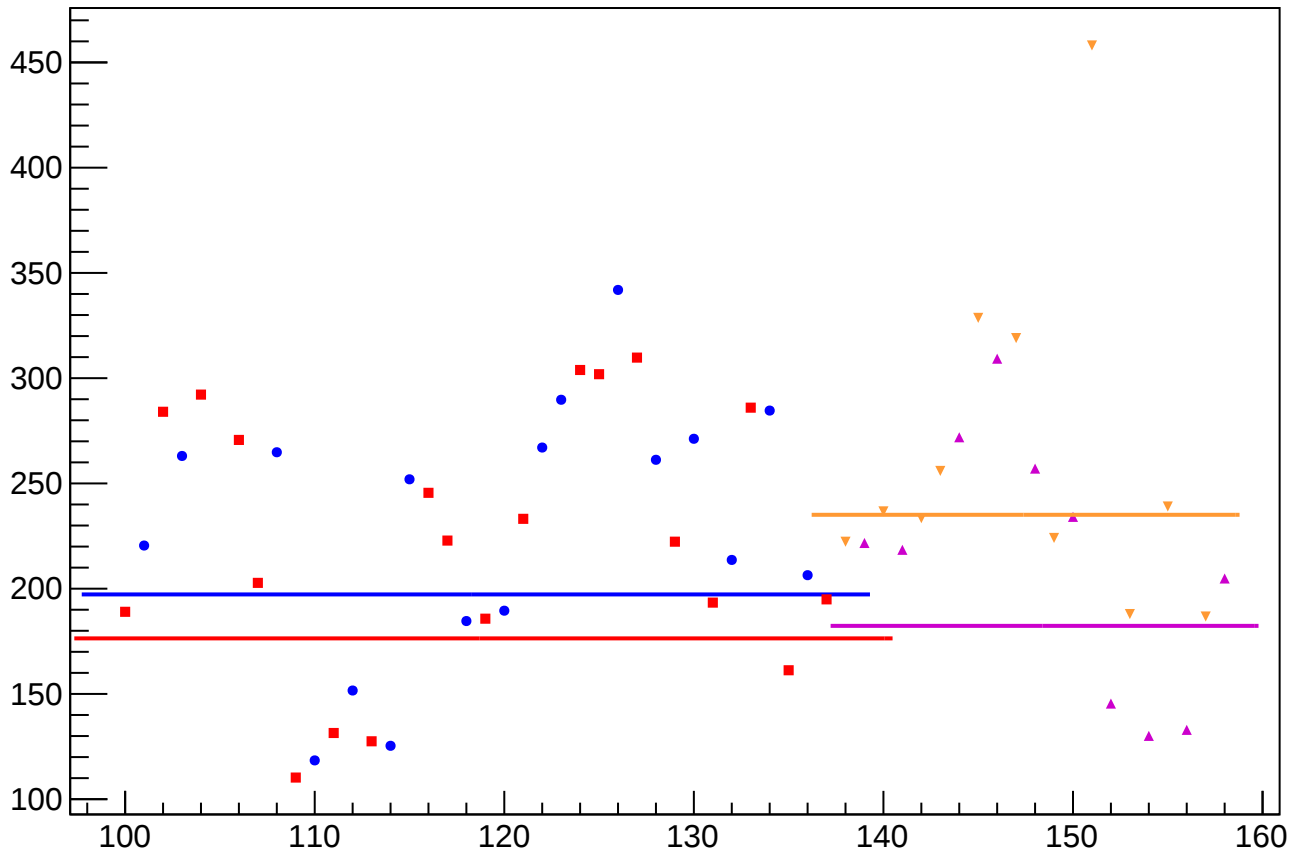
Right Out: 2.285+/-71.350 χ^2/NDF : 6.2/19

Left In: -76.337+/-69.170 χ^2/NDF : 5.2/9

77.207+/-58.588 χ^2/NDF : 9.9/27

-38.246+/-49.663 χ^2/NDF : 12.0/29

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.271+/-0.057 χ^2/NDF : 969549.7/16

Left Out: 235.098+/-0.060 χ^2/NDF : 805462.4/10

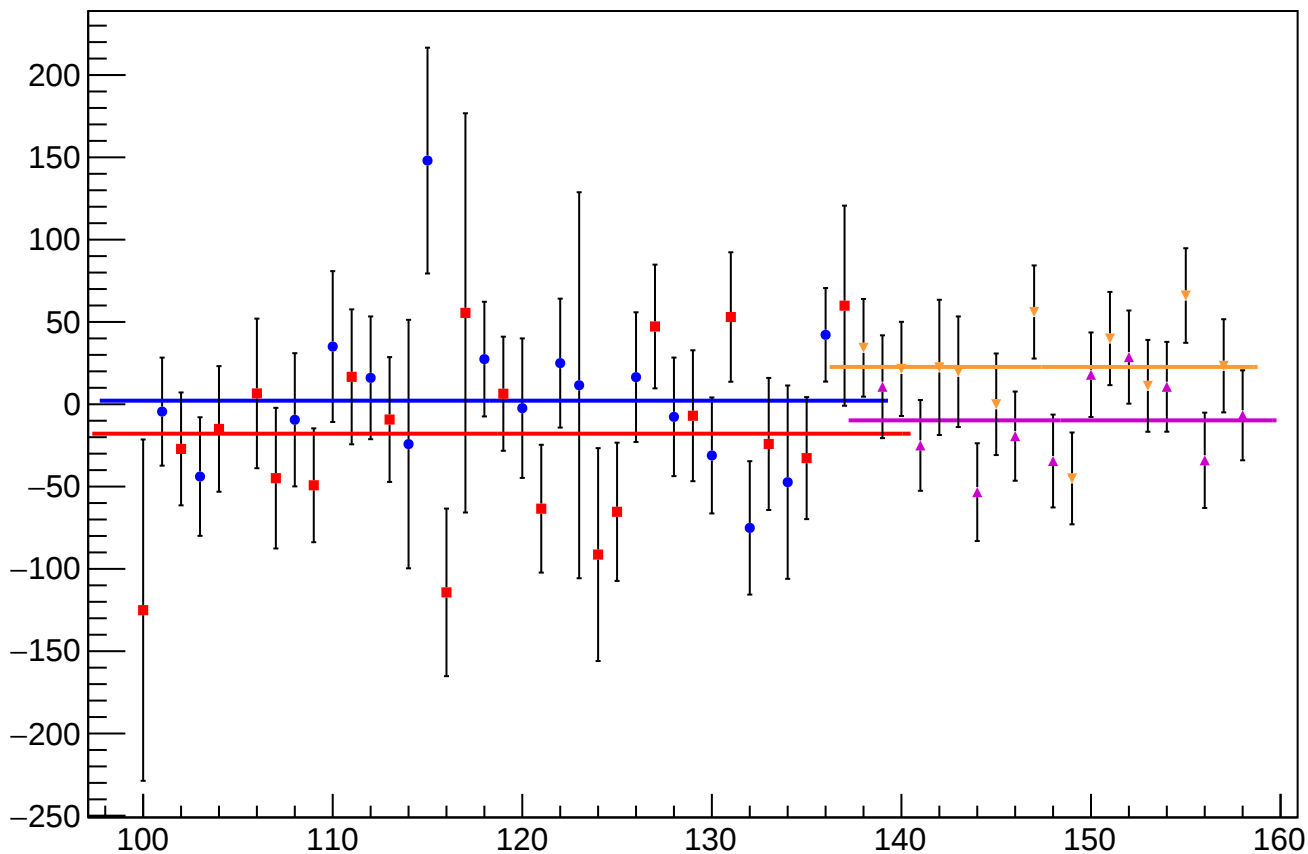
Right Out: 176.387+/-0.050 χ^2/NDF : 1523467.7/19

Left In: 182.338+/-0.049 χ^2/NDF : 1300117.9/9

215.016+/-0.041 χ^2/NDF : 1982637.1/27

179.455+/-0.035 χ^2/NDF : 2830759.1/29

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.178 ± 9.825 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 22.675 ± 8.975 $\chi^2/\text{NDF}: 10.8/10$

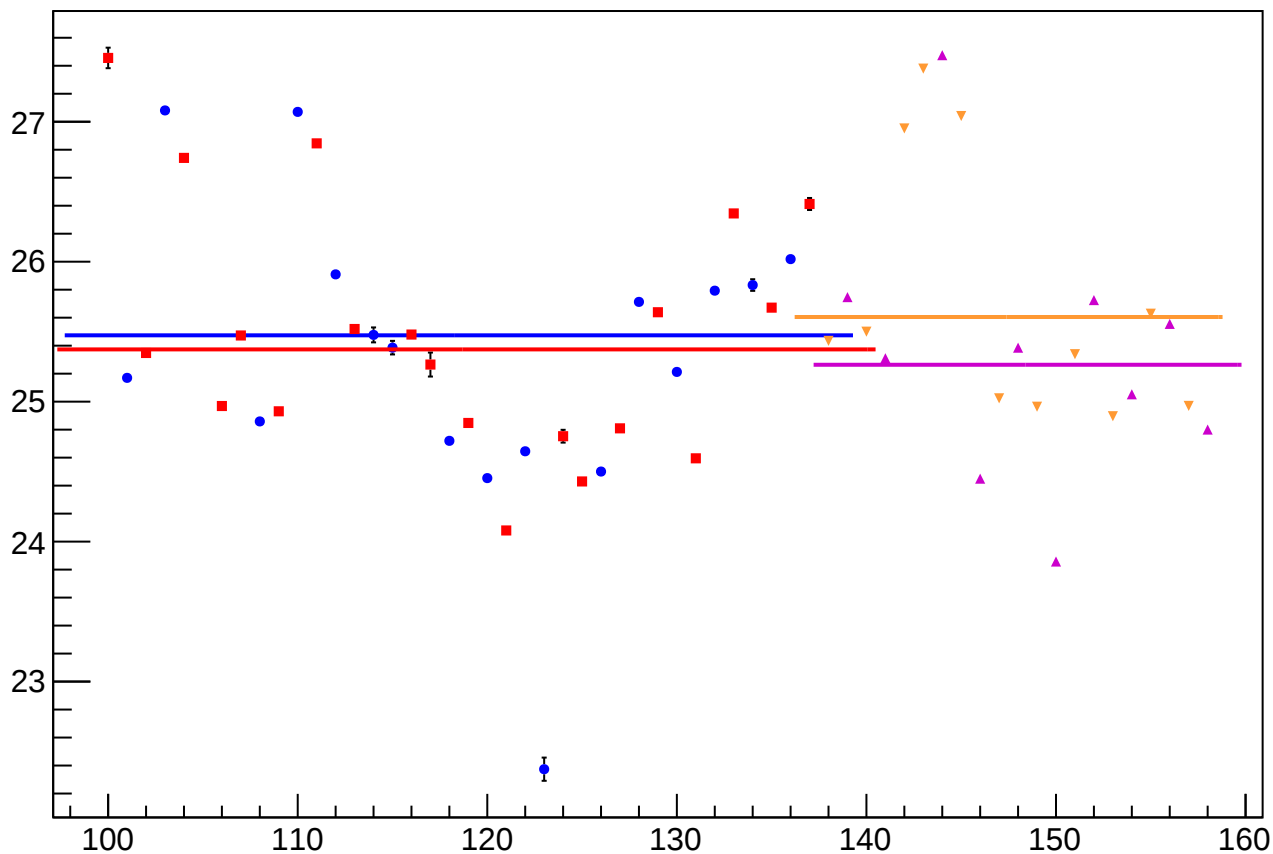
Right Out: -17.869 ± 9.468 $\chi^2/\text{NDF}: 20.0/19$

Left In: -9.777 ± 8.861 $\chi^2/\text{NDF}: 8.1/9$

13.351 ± 6.626 $\chi^2/\text{NDF}: 28.6/27$

-13.556 ± 6.470 $\chi^2/\text{NDF}: 28.4/29$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.474+/-0.007 χ^2/NDF : 14061.2/16

Left Out: 25.605+/-0.006 χ^2/NDF :16533.7/10

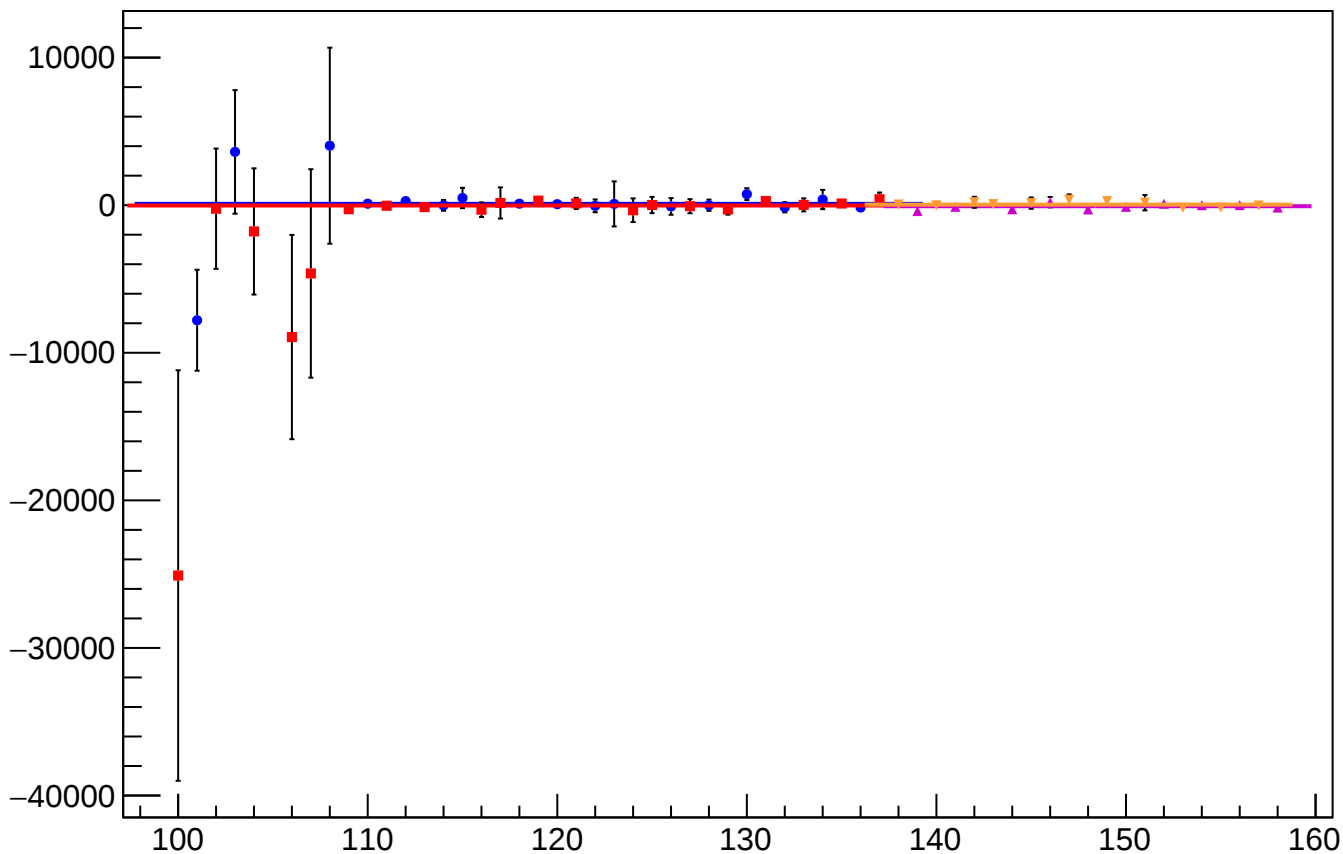
Right Out: 25.373+/-0.007 χ^2/NDF : 13582.8/19

Left In: 25.264+/-0.006 χ^2/NDF :20852.2/9

25.545+/-0.005 χ^2/NDF : 30788.4/27

25.315+/-0.005 χ^2/NDF : 34578.4/29

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: 38.191+/-87.349 χ^2/NDF : 3.4/10

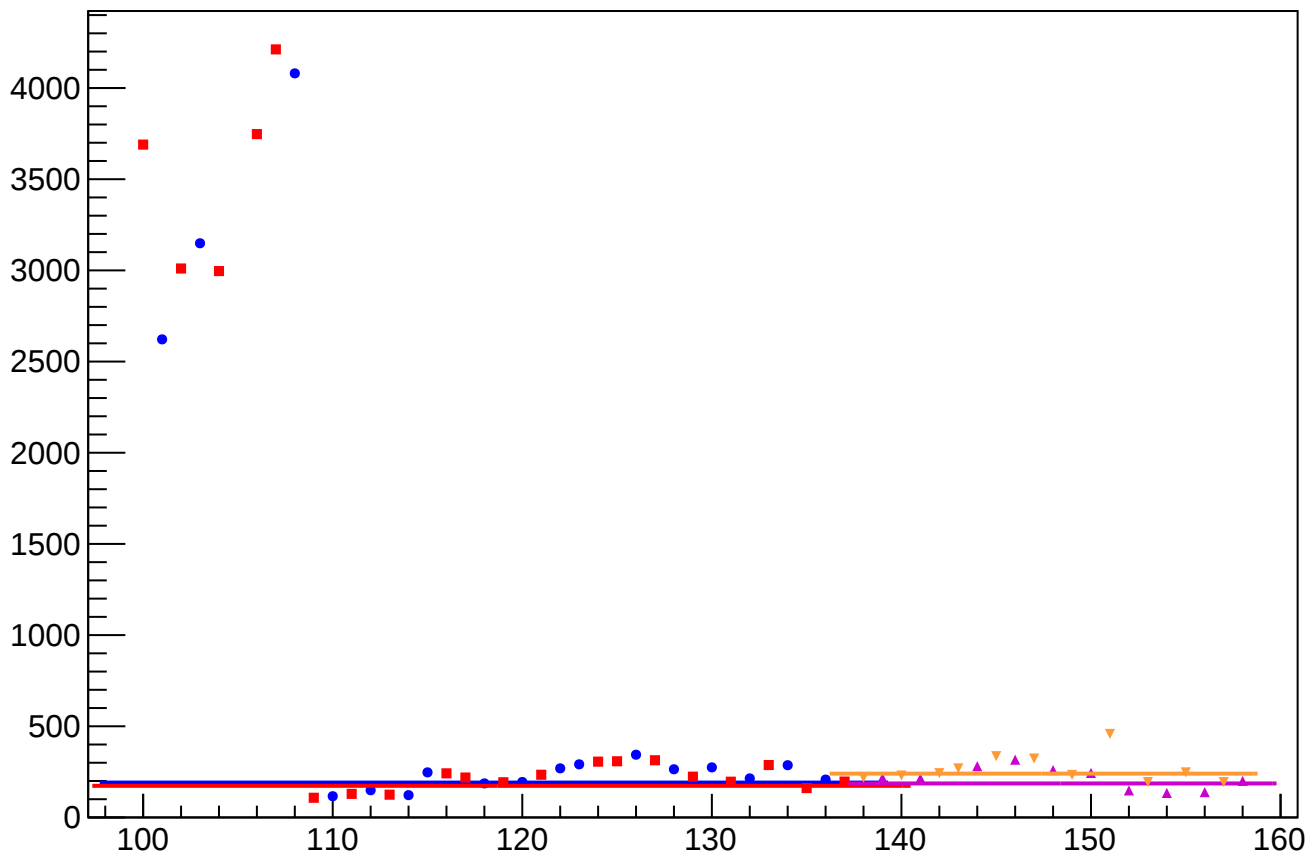
Right Out: -21.600+/-80.665 χ^2/NDF : 11.9/19

Left In: -70.438+/-70.493 χ^2/NDF : 4.4/9

63.822+/-61.864 χ^2/NDF : 15.8/27

-49.291+/-53.080 χ^2/NDF : 16.5/29

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: 240.355+/-0.062 χ^2/NDF : 778807.0/10

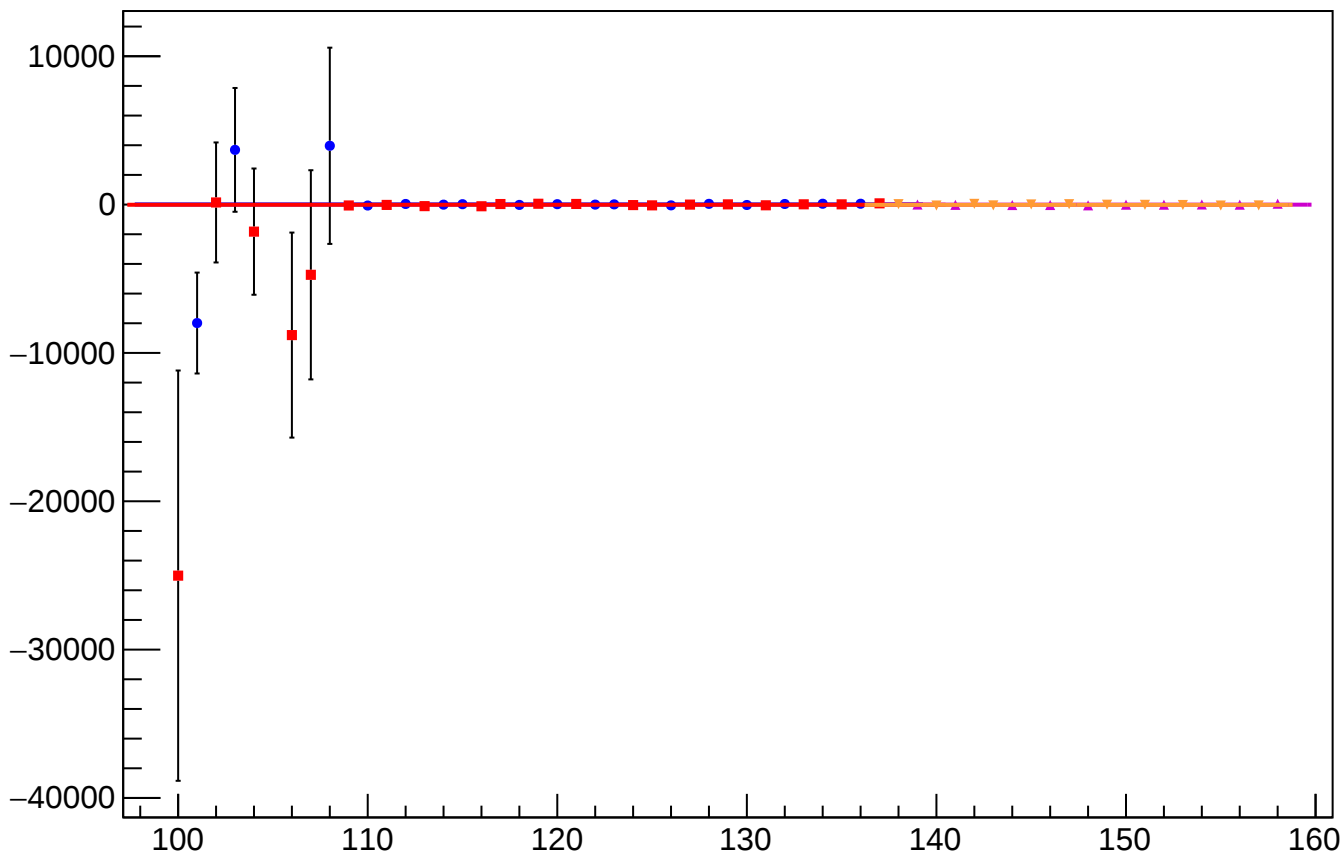
Right Out: 173.536+/-0.057 χ^2/NDF : 4210933.2/19

Left In: 186.417+/-0.050 χ^2/NDF : 1224290.1/9

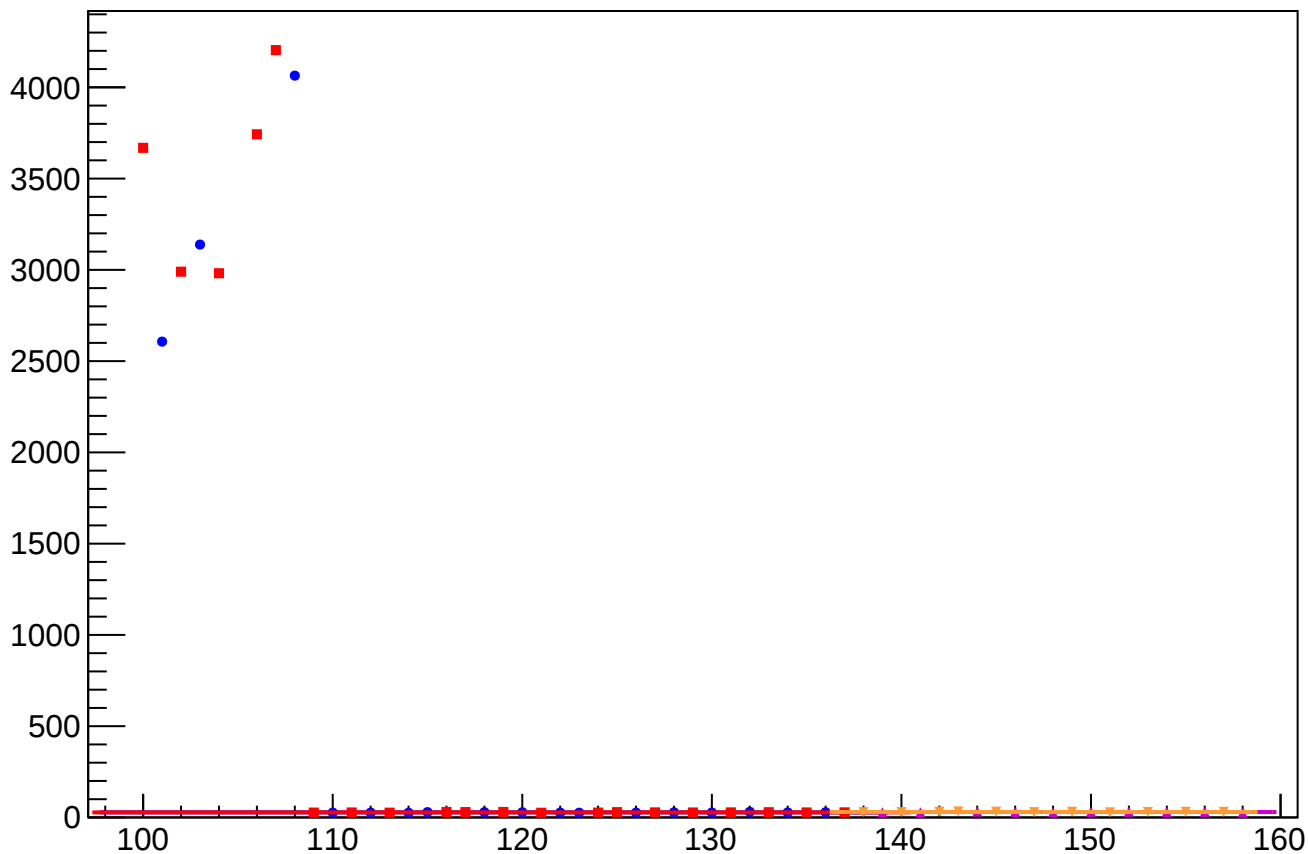
215.852+/-0.044 χ^2/NDF : 4666350.7/27

180.840+/-0.038 χ^2/NDF : 5464136.8/29

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.837+/-0.009 χ^2/NDF : 3026887.2/16

Left Out: 30.065+/-0.007 χ^2/NDF : 31308.5/10

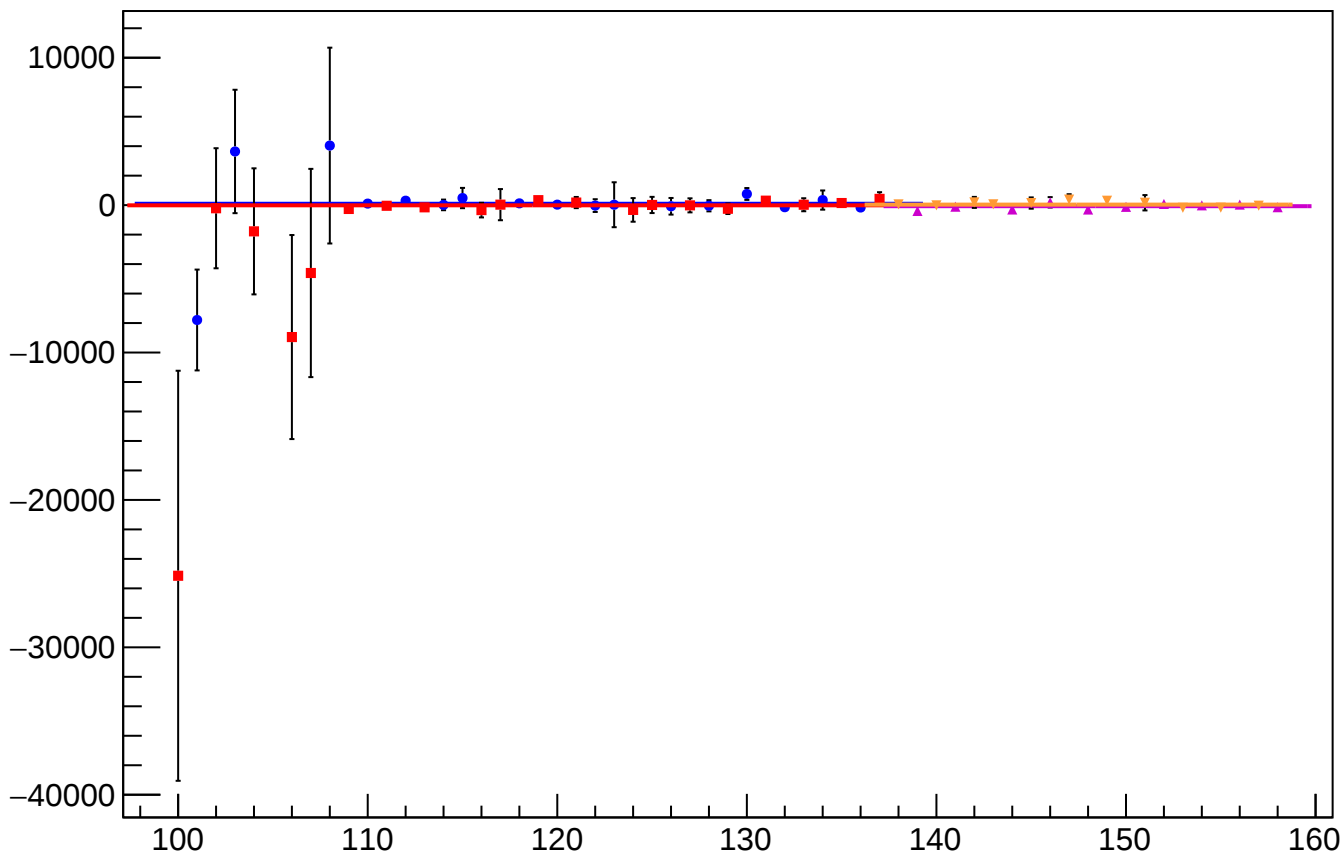
Right Out: 27.706+/-0.009 χ^2/NDF : 3477080.4/19

Left In: 29.681+/-0.007 χ^2/NDF : 57156.0/9

29.110+/-0.006 χ^2/NDF : 3096404.2/27

28.845+/-0.006 χ^2/NDF : 3564534.1/29

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: 35.437+/-87.150 χ^2/NDF : 3.8/10

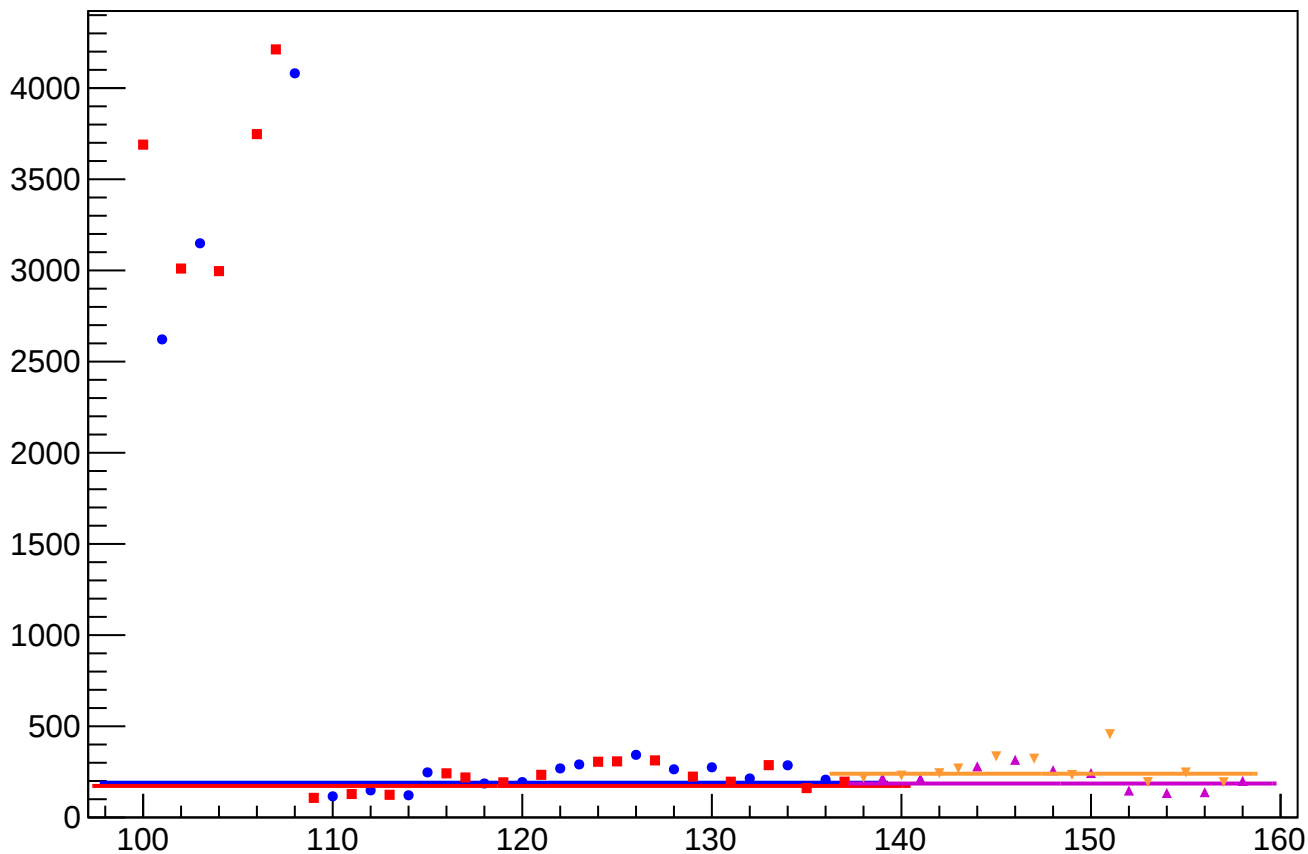
Right Out: -12.509+/-80.407 χ^2/NDF : 12.7/19

Left In: -71.864+/-70.358 χ^2/NDF : 4.4/9

64.070+/-61.698 χ^2/NDF : 16.6/27

-46.125+/-52.949 χ^2/NDF : 17.4/29

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: 239.807+/-0.062 χ^2/NDF : 778989.1/10

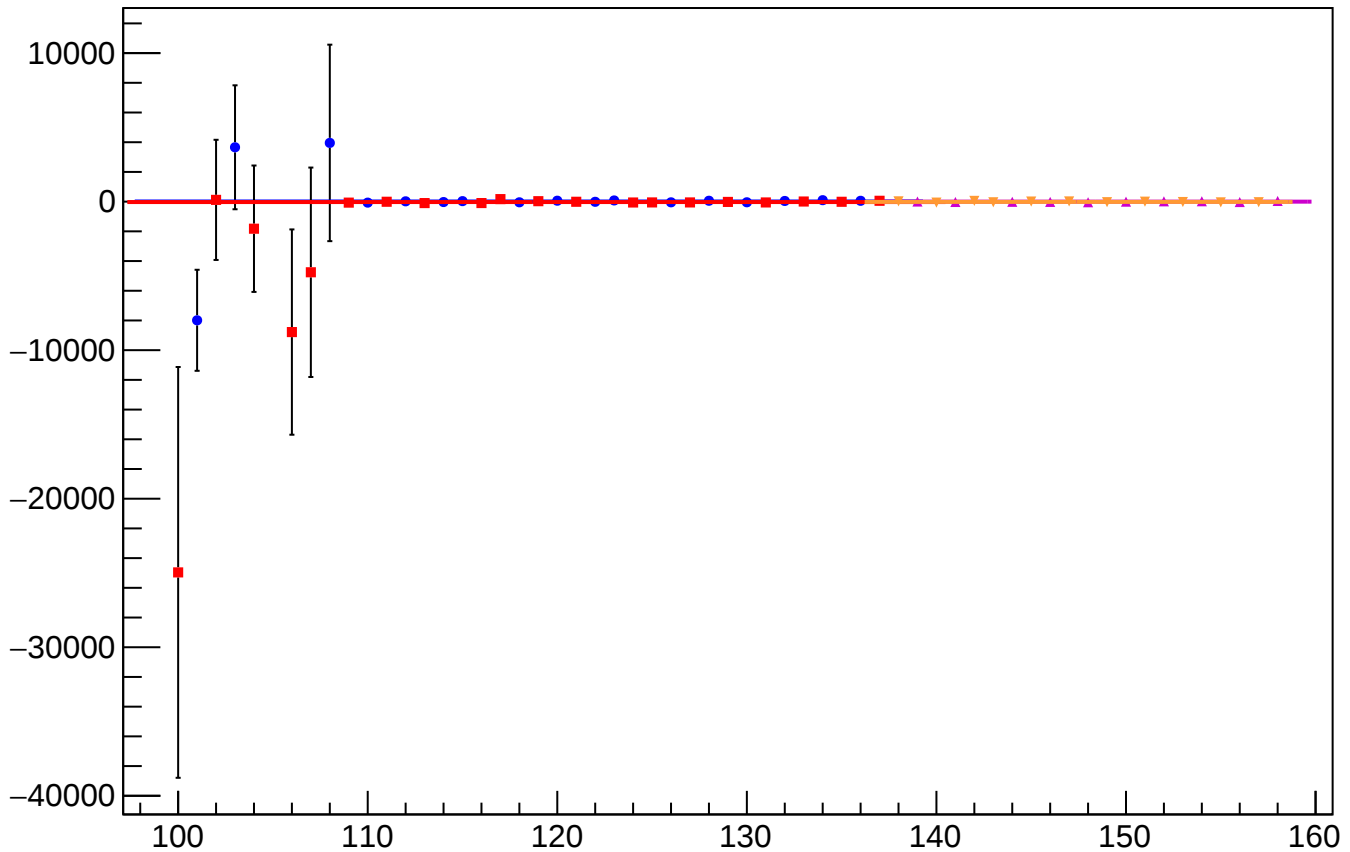
Right Out: 172.872+/-0.057 χ^2/NDF : 4222275.2/19

Left In: 186.067+/-0.050 χ^2/NDF : 1224026.9/9

215.205+/-0.044 χ^2/NDF : 4682086.0/27

180.345+/-0.037 χ^2/NDF : 5476804.0/29

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 9.600+/-12.273 χ^2 /NDF: 23.2/16

Left Out: -17.321+/-10.636 χ^2 /NDF: 8.8/10

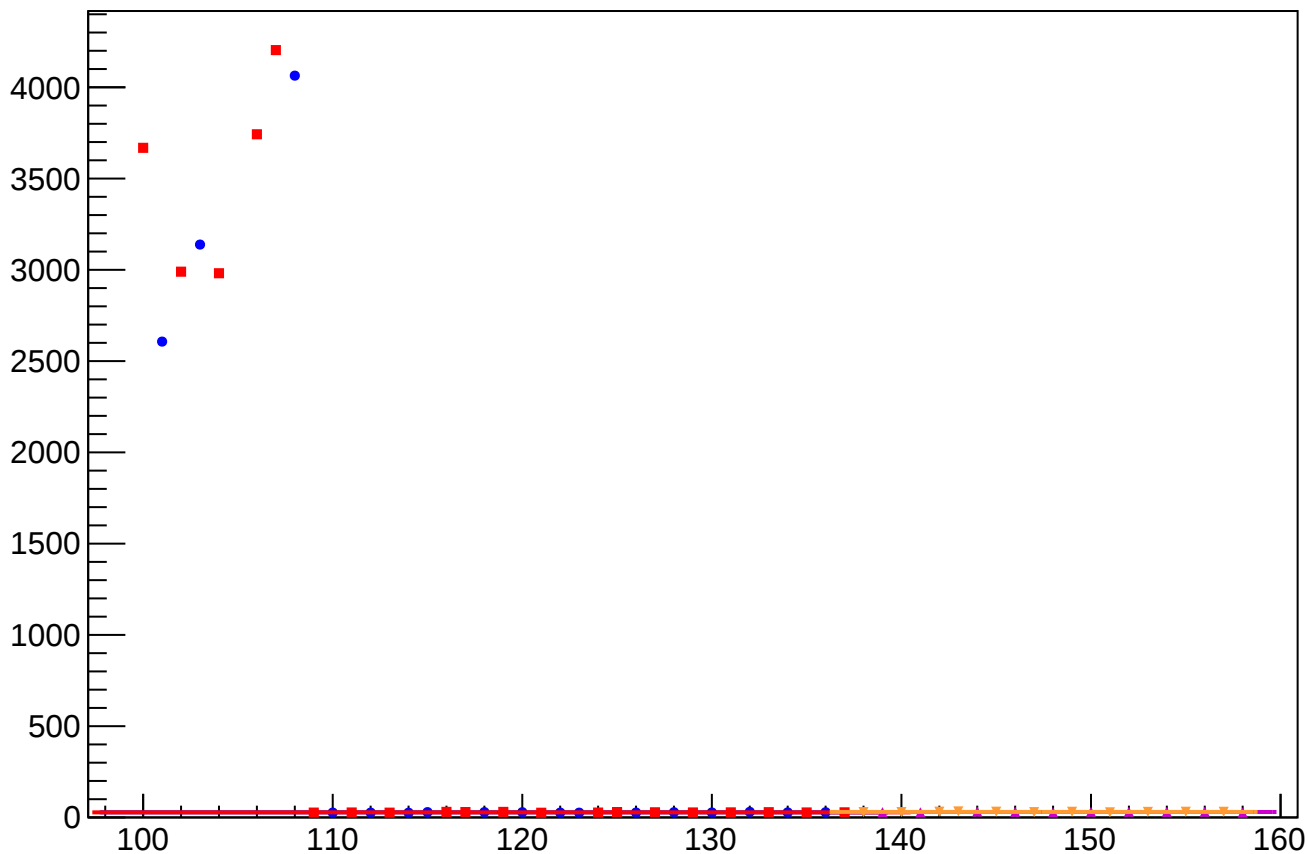
Right Out: -28.128+/-12.282 χ^2 /NDF: 18.5/19

Left In: -1.182+/-10.497 χ^2 /NDF: 6.6/9

-5.774+/-8.038 χ^2 /NDF: 34.7/27

-12.556+/-7.980 χ^2 /NDF: 27.8/29

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: 30.297+/-0.008 χ^2/NDF : 33312.8/10

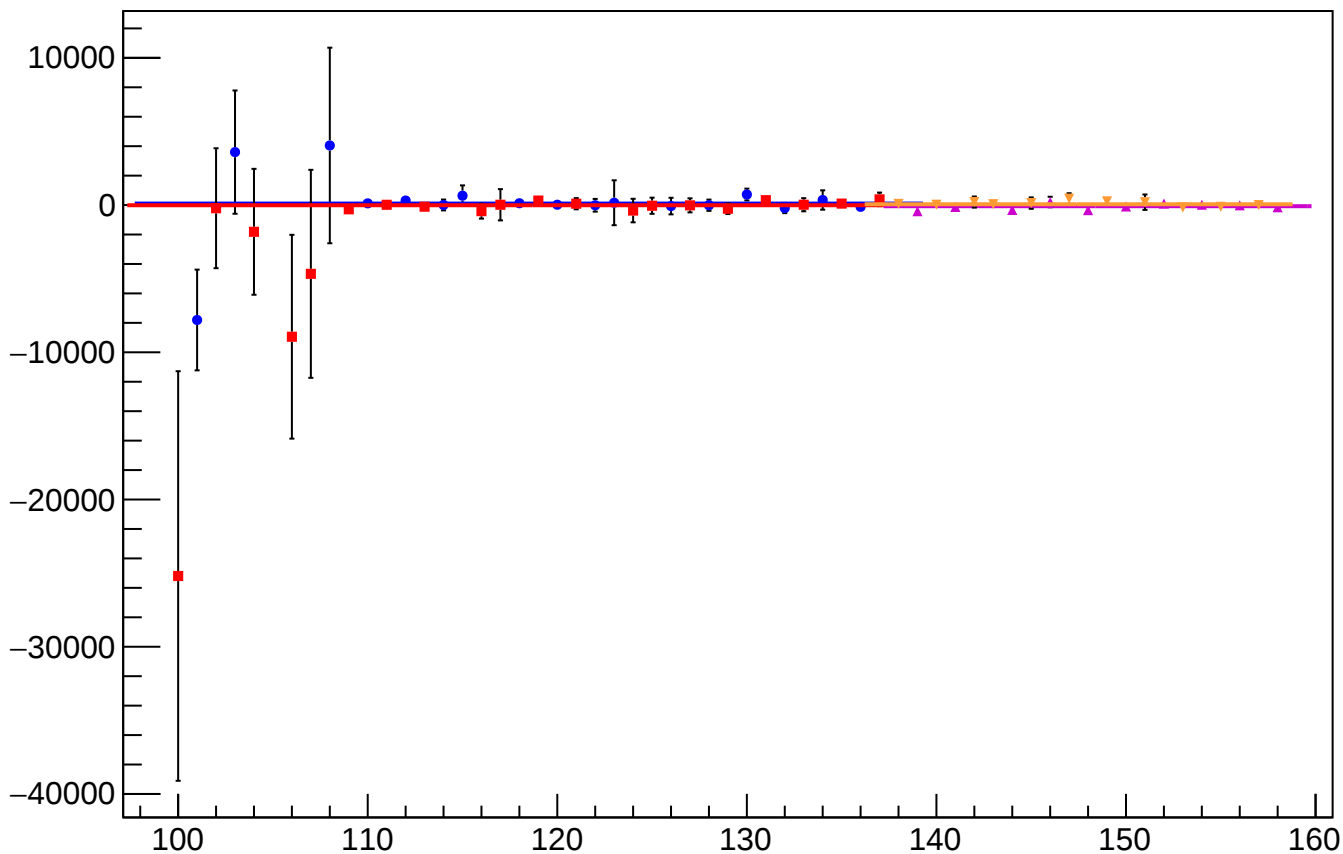
Right Out: 27.929+/-0.009 χ^2/NDF : 3479867.7/19

Left In: 29.856+/-0.007 χ^2/NDF : 58931.3/9

29.322+/-0.006 χ^2/NDF : 3099536.8/27

29.042+/-0.006 χ^2/NDF : 3567239.7/29

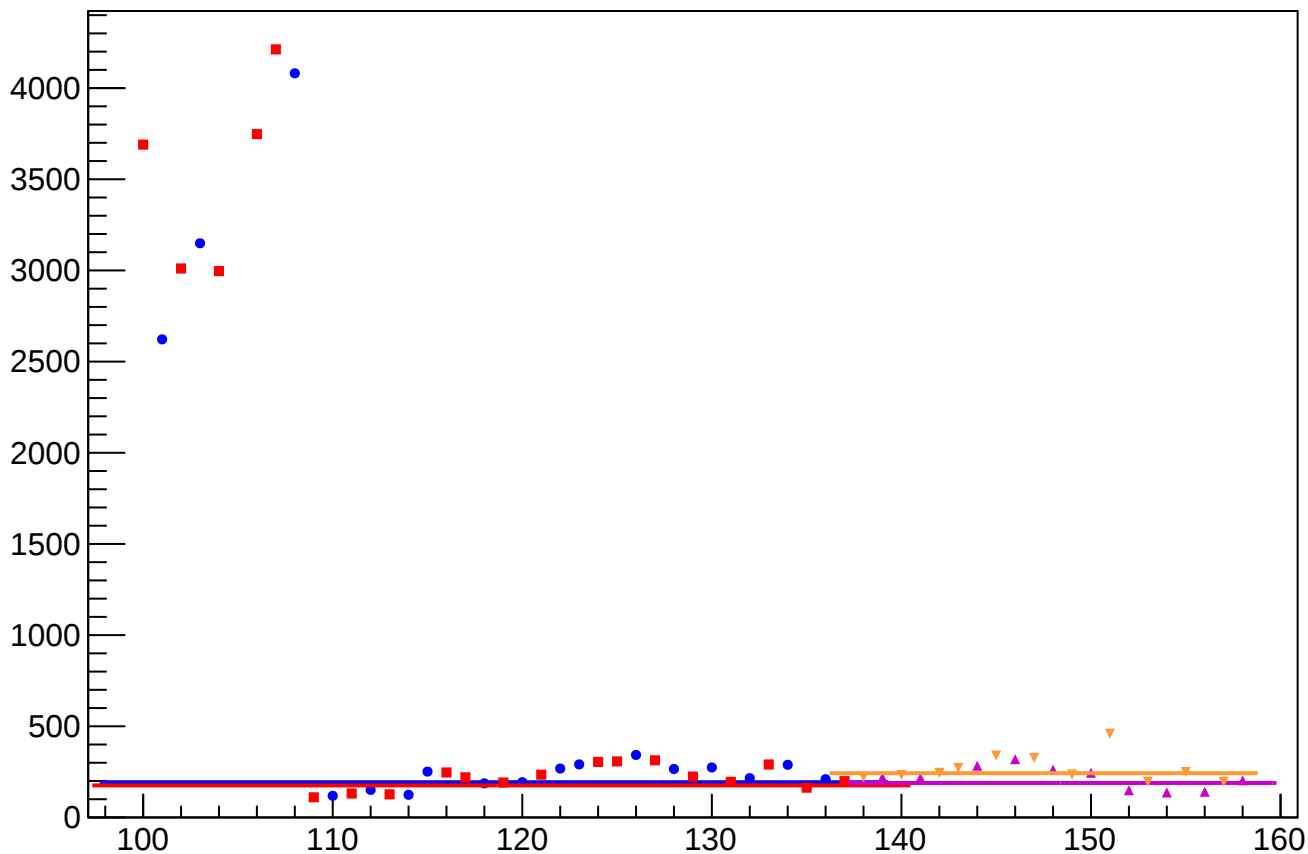
asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



78.896 ± 62.423 $\chi^2/\text{NDF}: 15.8/27$

-48.012 ± 53.709 $\chi^2/\text{NDF}: 17.7/29$

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: 242.709+/-0.062 χ^2/NDF : 772438.4/10

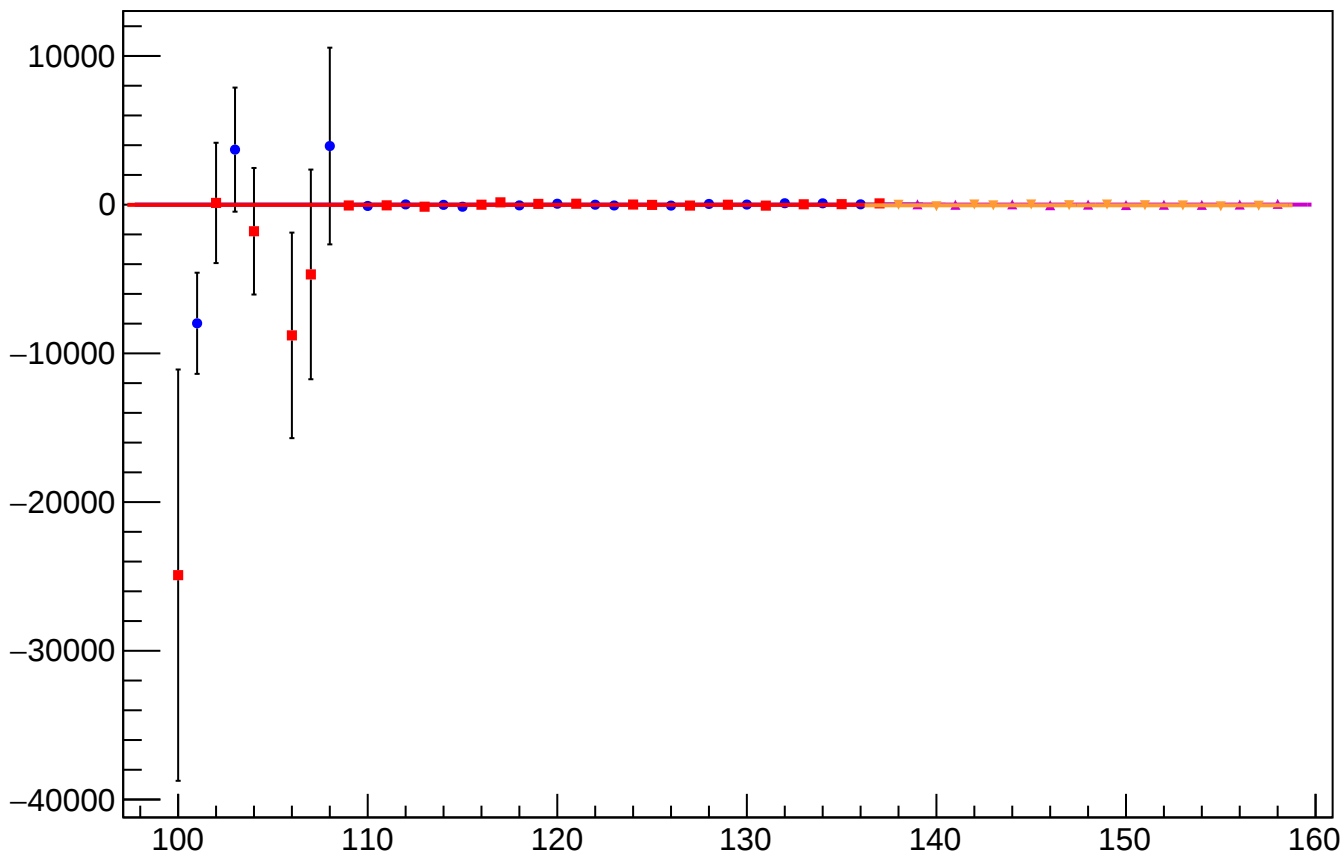
Right Out: 175.749+/-0.058 χ^2/NDF : 4168935.2/19

Left In: 189.130+/-0.050 χ^2/NDF : 1198004.8/9

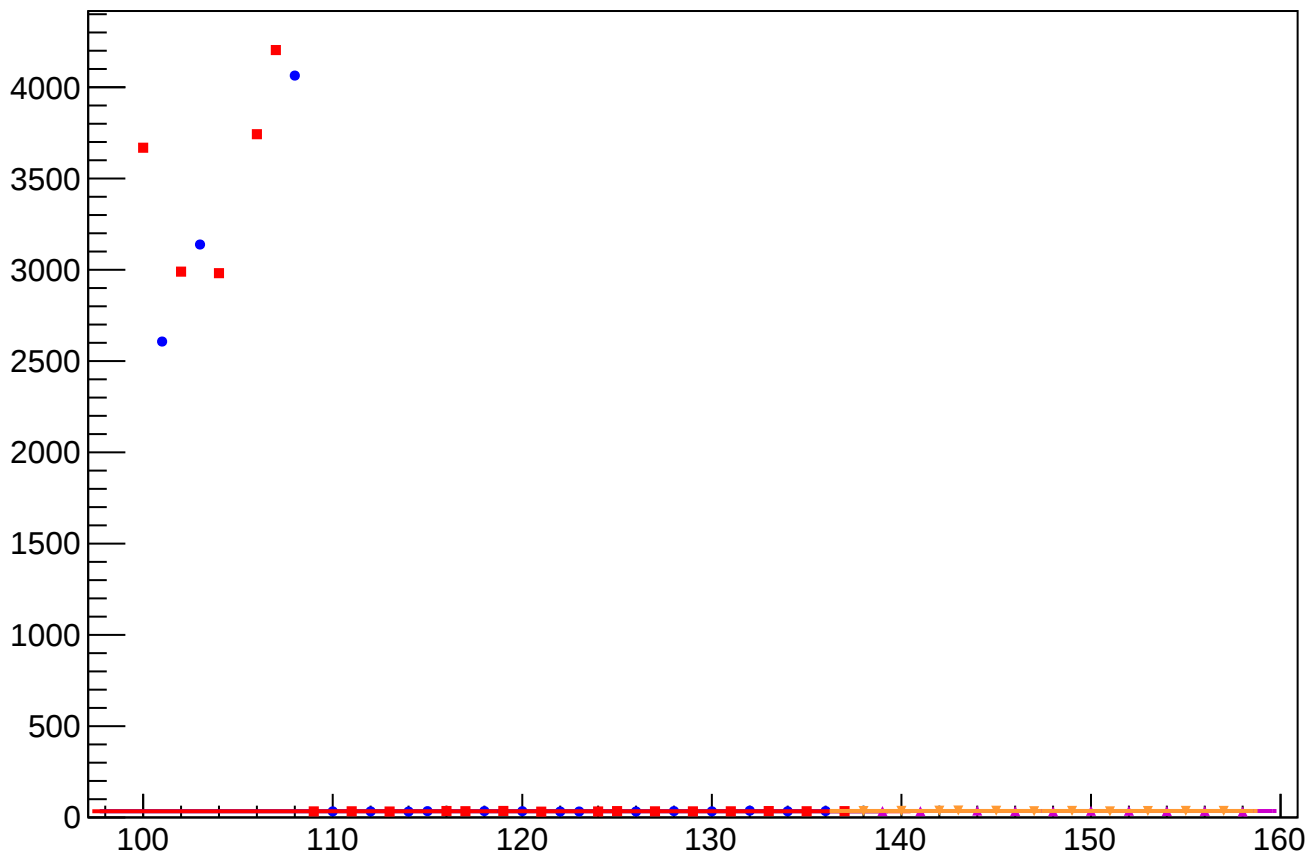
218.011+/-0.044 χ^2/NDF : 4623201.3/27

183.317+/-0.038 χ^2/NDF : 5397440.1/29

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.137+/-0.011 χ^2/NDF : 3006248.0/16

Left Out: 35.547+/-0.009 χ^2/NDF :19400.4/10

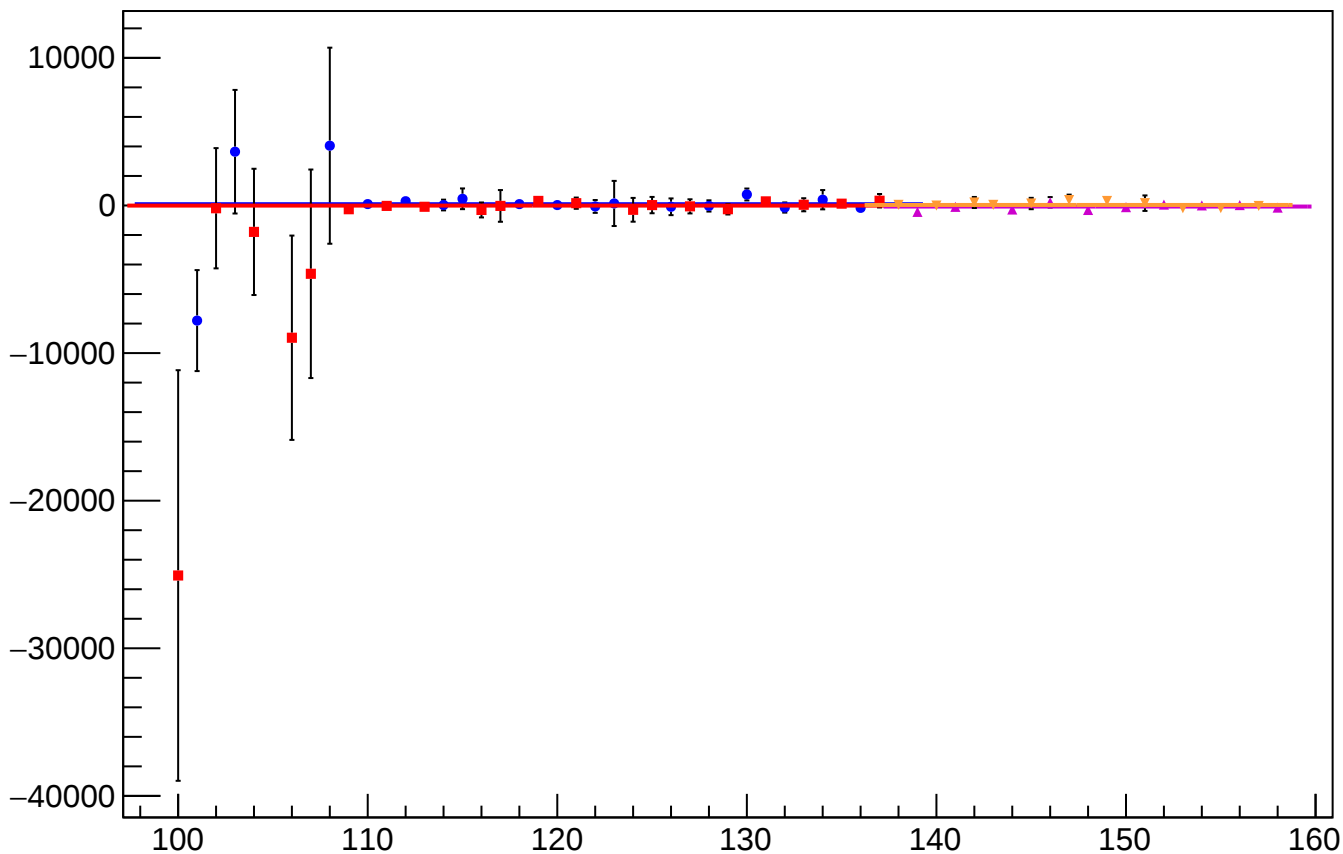
Right Out: 33.915+/-0.011 χ^2/NDF : 3451897.1/19

Left In: 35.312+/-0.009 χ^2/NDF :24666.9/9

34.968+/-0.007 χ^2/NDF : 3036156.0/27

34.740+/-0.007 χ^2/NDF : 3486956.8/29

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 86.041+/-87.947 χ^2/NDF : 12.4/16

Left Out: 35.501+/-87.828 χ^2/NDF : 3.8/10

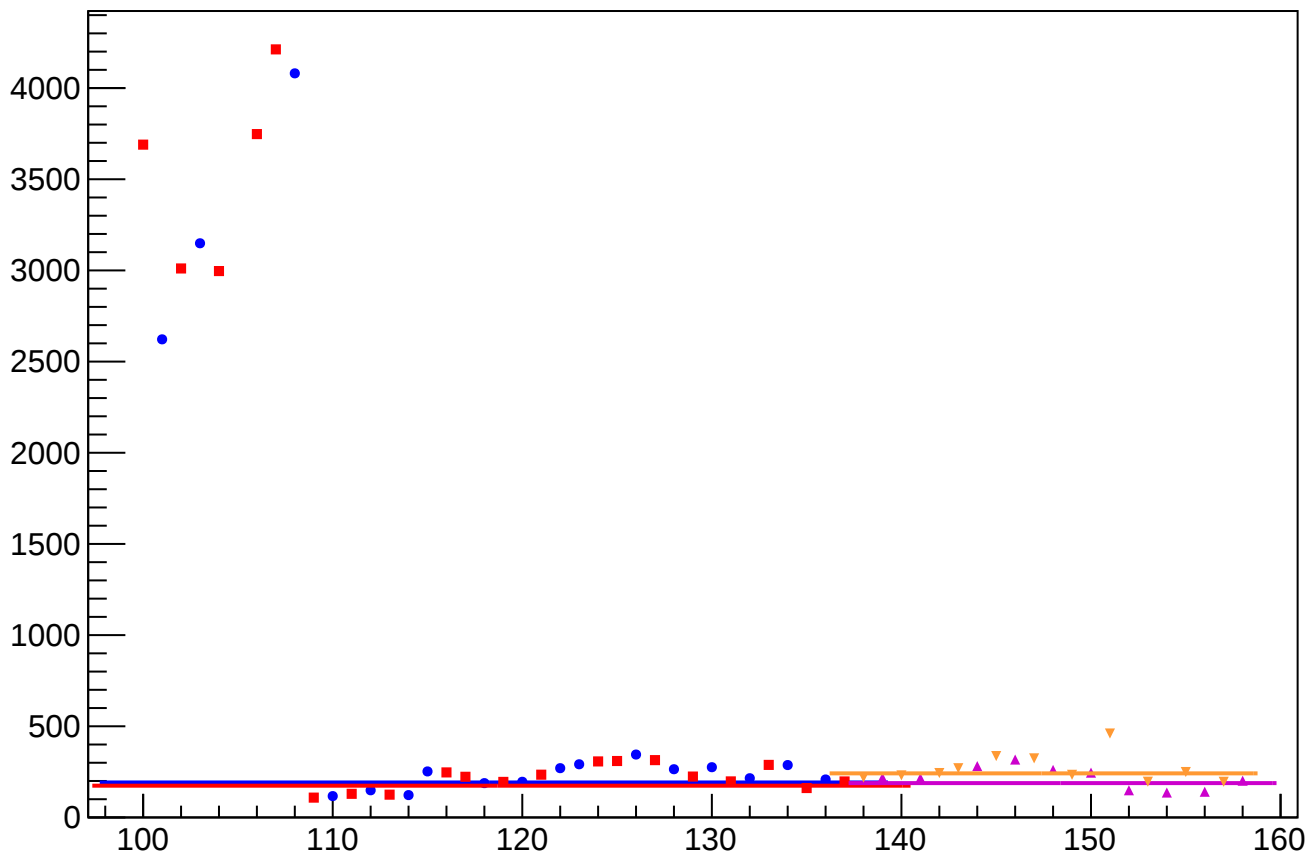
Right Out: -7.420+/-80.977 χ^2/NDF : 11.1/19

Left In: -72.271+/-71.130 χ^2/NDF : 4.6/9

60.736+/-62.146 χ^2/NDF : 16.4/27

-44.026+/-53.441 χ^2/NDF : 16.1/29

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 191.880 $\pm$ 0.062 χ^2 /NDF: 3573060.2/16

216.858 $\pm$ 0.044 χ^2 /NDF: 4664417.7/27

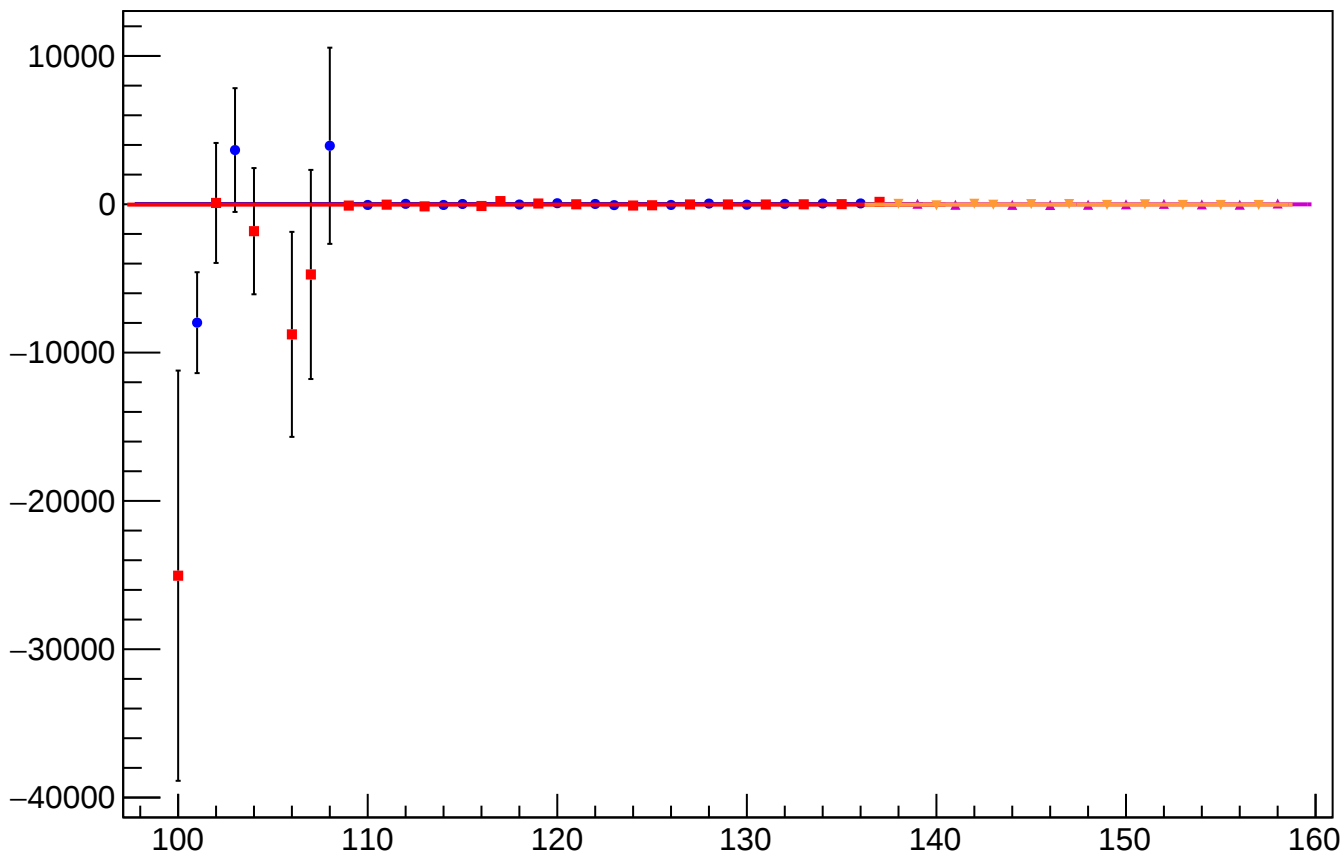
Left Out: 241.768 $\pm$ 0.062 χ^2 /NDF: 769145.0/10

Right Out: 174.207 $\pm$ 0.057 χ^2 /NDF: 4215538.3/19

182.212 $\pm$ 0.038 χ^2 /NDF: 5436220.5/29

Left In: 188.389 $\pm$ 0.050 χ^2 /NDF: 1186053.4/9

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 14.121+/-13.618 χ^2/NDF : 15.2/16

Left Out: -20.685+/-11.373 χ^2/NDF : 8.8/10

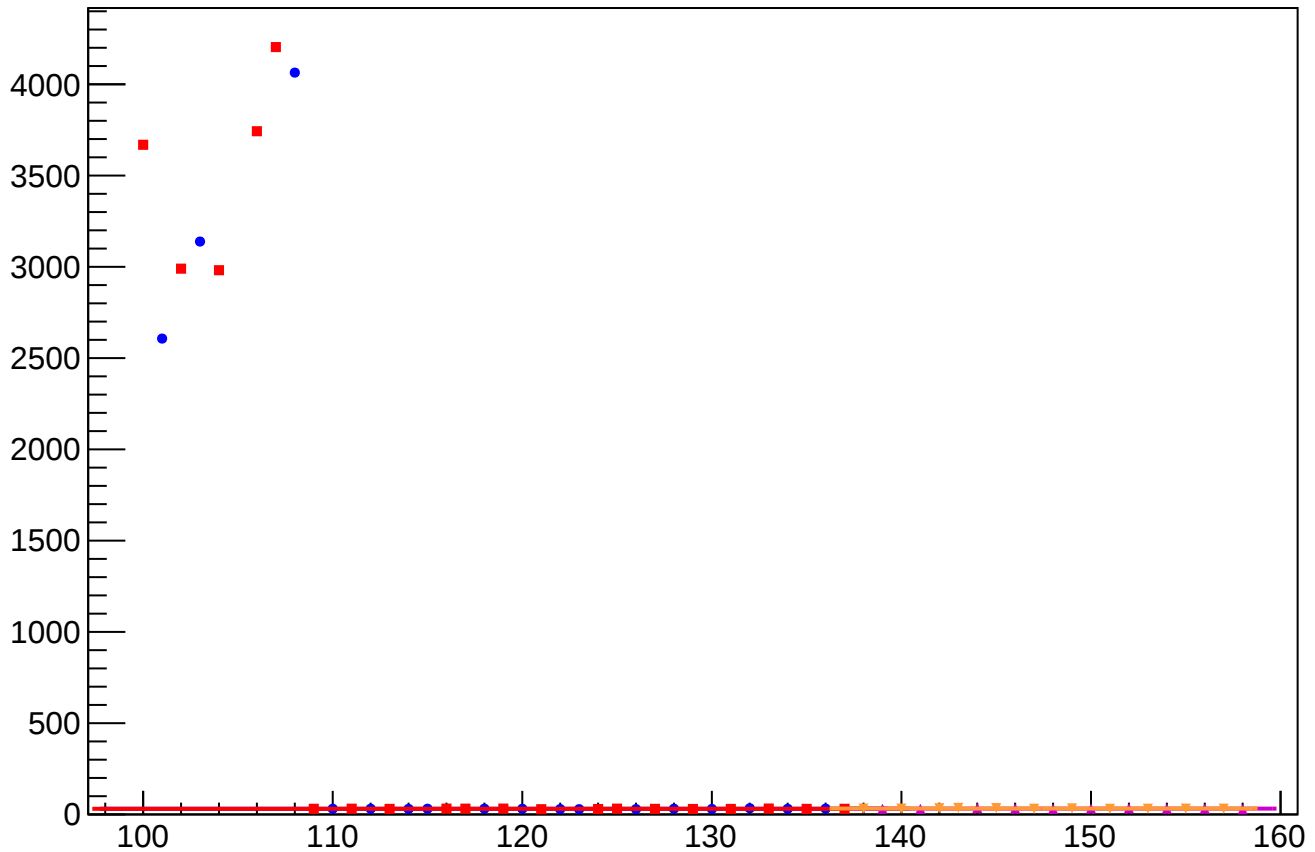
Right Out: -21.490+/-13.601 χ^2/NDF : 29.9/19

Left In: -4.859+/-11.245 χ^2/NDF : 9.1/9

-6.384+/-8.729 χ^2/NDF : 27.9/27

-11.612+/-8.667 χ^2/NDF : 39.9/29

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.127+/-0.010 χ^2/NDF : 3014425.9/16

Left Out: 32.404+/-0.008 χ^2/NDF : 32941.0/10

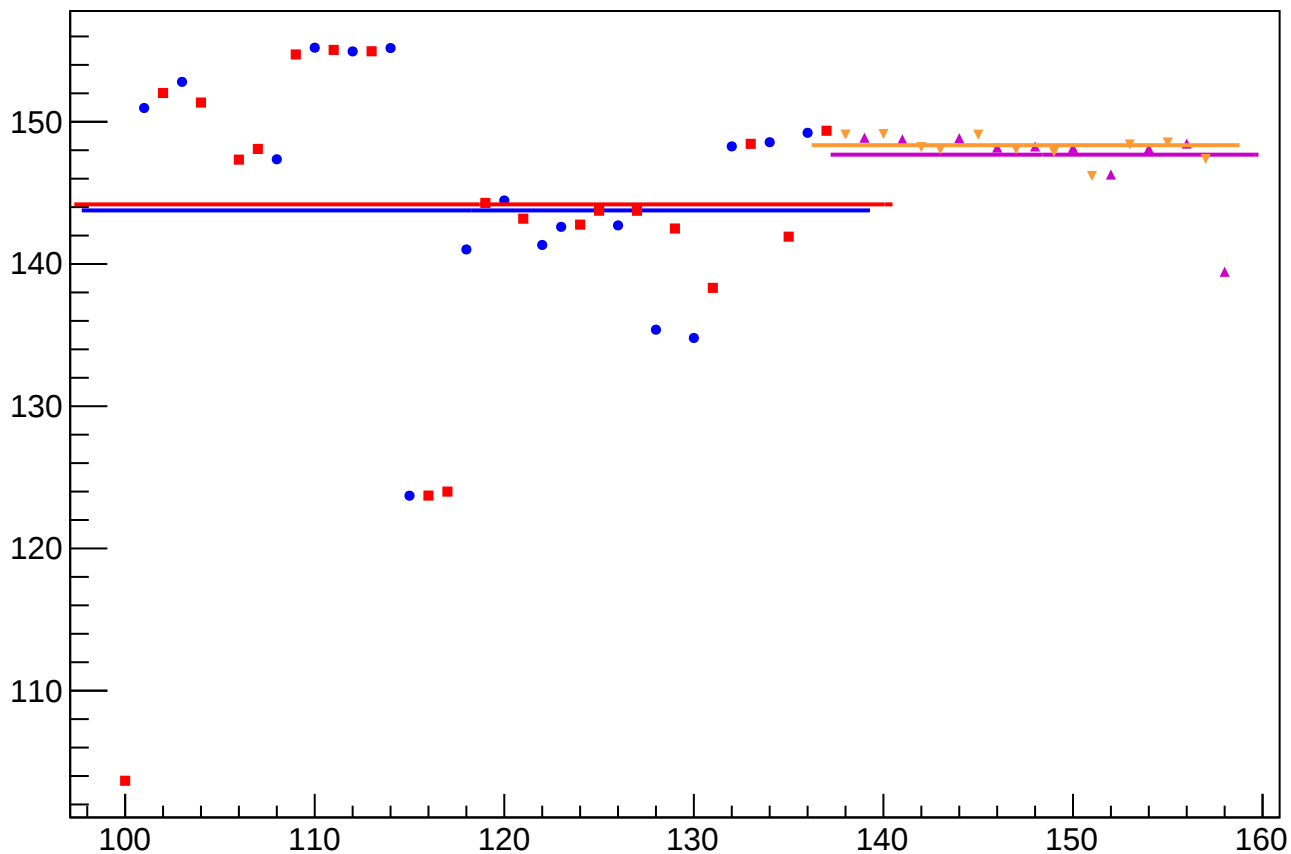
Right Out: 30.970+/-0.010 χ^2/NDF : 3459018.8/19

Left In: 31.982+/-0.008 χ^2/NDF : 53123.6/9

31.879+/-0.006 χ^2/NDF : 3057736.7/27

31.572+/-0.006 χ^2/NDF : 3518717.1/29

yield_bcm_an_ds_mean vs Slug



Right In: 143.768 $\pm$ 0.000 χ^2/NDF : 3532173868.5/16

Left Out: 148.355 $\pm$ 0.000 χ^2/NDF : 34934673.5/10

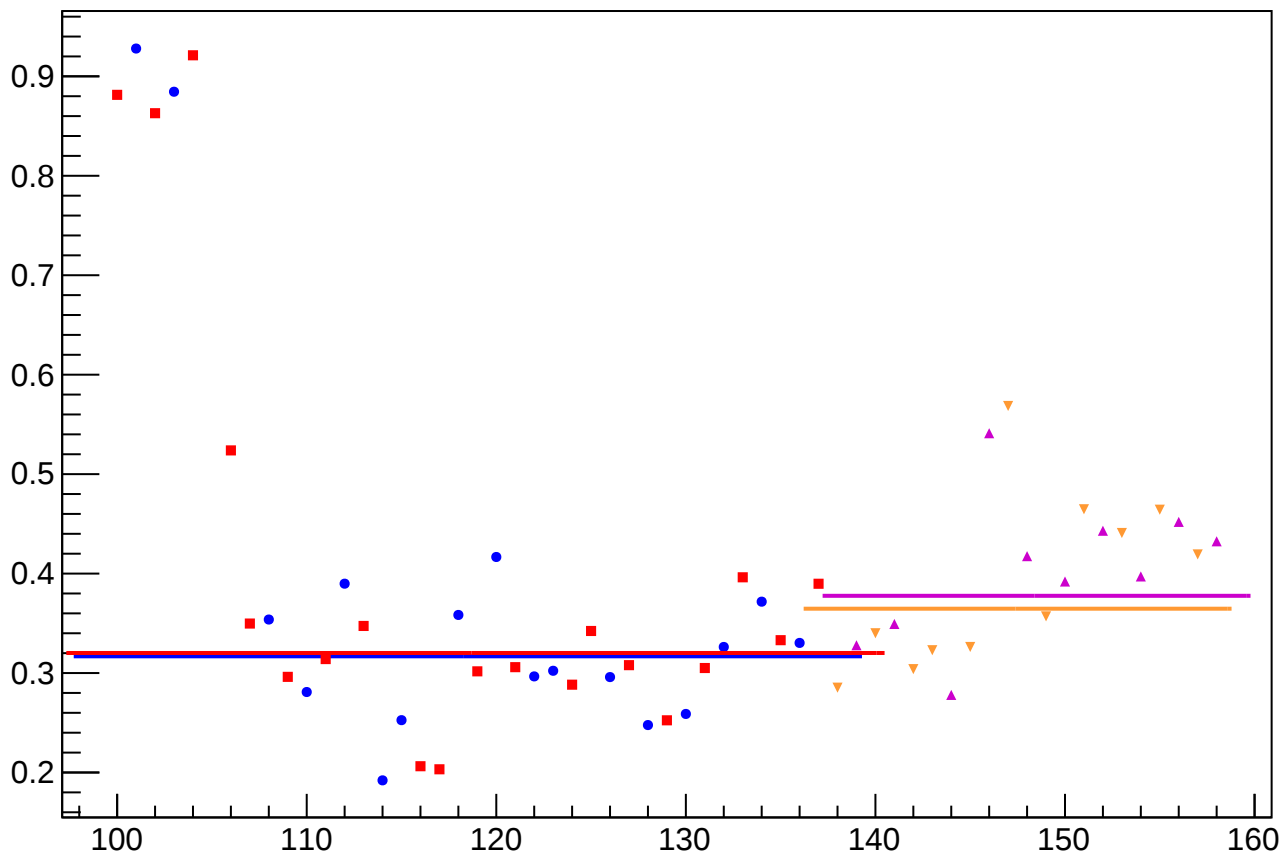
Right Out: 144.192 $\pm$ 0.000 χ^2/NDF : 4524049993.1/19

Left In: 147.687 $\pm$ 0.000 χ^2/NDF : 317231448.8/9

146.074 $\pm$ 0.000 χ^2/NDF : 4155683063.0/27

145.868 $\pm$ 0.000 χ^2/NDF : 5177444652.3/29

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1278613.2/16

Left Out: 0.365 ± 0.000 χ^2/NDF : 592881.1/10

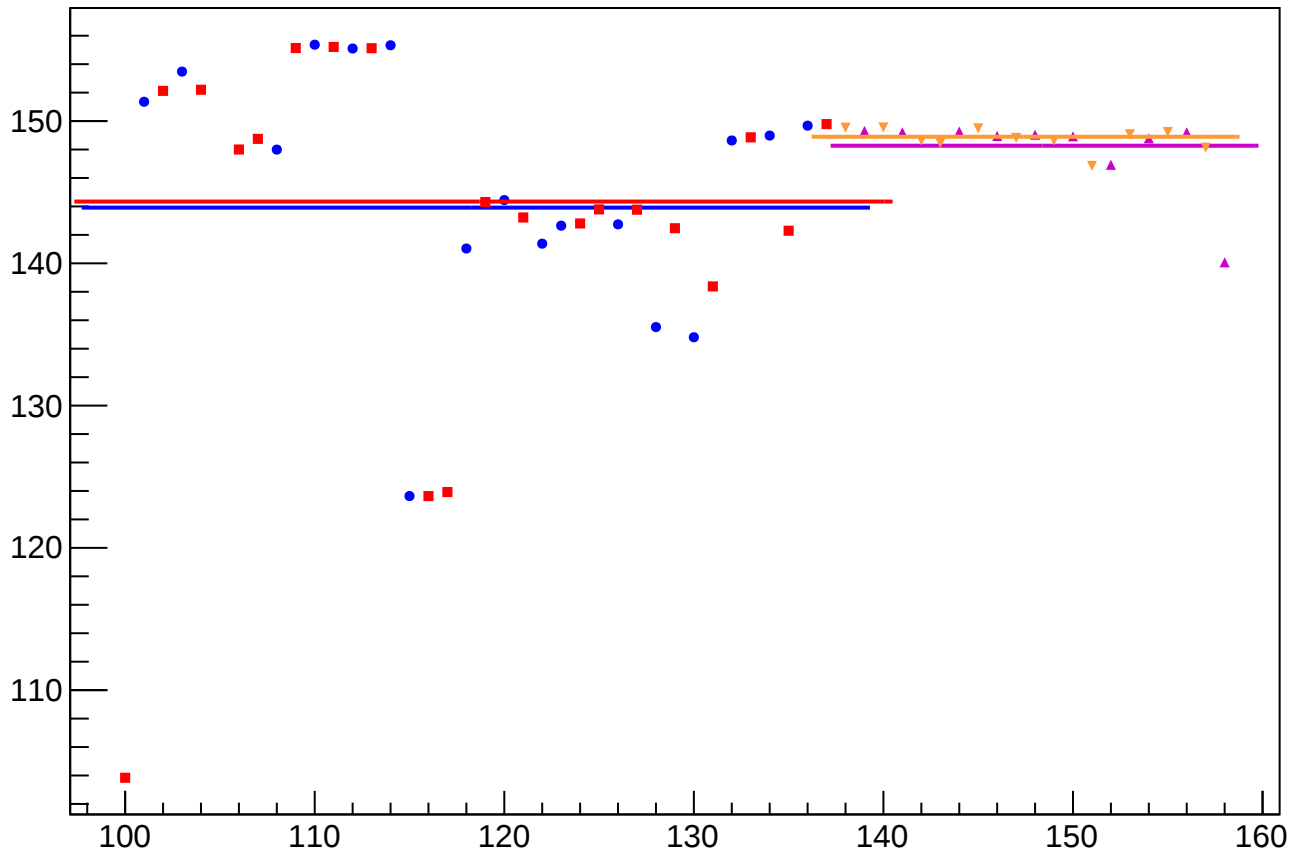
Right Out: 0.320 ± 0.000 χ^2/NDF : 1240600.2/19

Left In: 0.378 ± 0.000 χ^2/NDF : 517938.8/9

0.341 ± 0.000 χ^2/NDF : 1999727.3/27

0.348 ± 0.000 χ^2/NDF : 1940475.5/29

yield_bcm_an_ds3_mean vs Slug



Right In: 143.917 $\pm$ 0.000 χ^2 /NDF: 3584662767.5/16

Left Out: 148.898 $\pm$ 0.000 χ^2 /NDF: 27339246.5/10

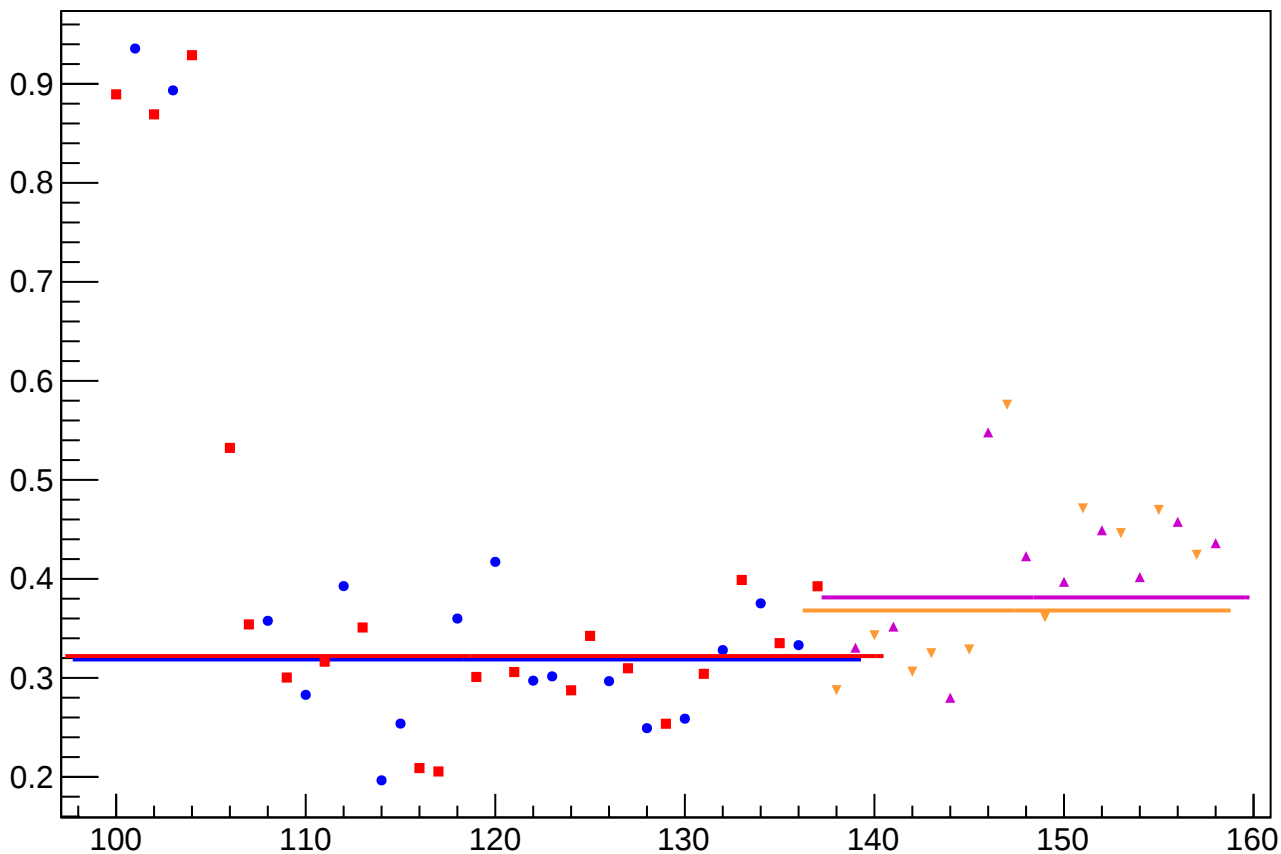
146.411 $\pm$ 0.000 χ^2 /NDF: 4295815807.5/27

Right Out: 144.342 $\pm$ 0.000 χ^2 /NDF: 4551365931.0/19

146.217 $\pm$ 0.000 χ^2 /NDF: 5274165841.6/29

Left In: 148.268 $\pm$ 0.000 χ^2 /NDF: 305353473.6/9

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319+/-0.000 χ^2/NDF : 1280748.9/16

Left Out: 0.368+/-0.000 χ^2/NDF : 604697.2/10

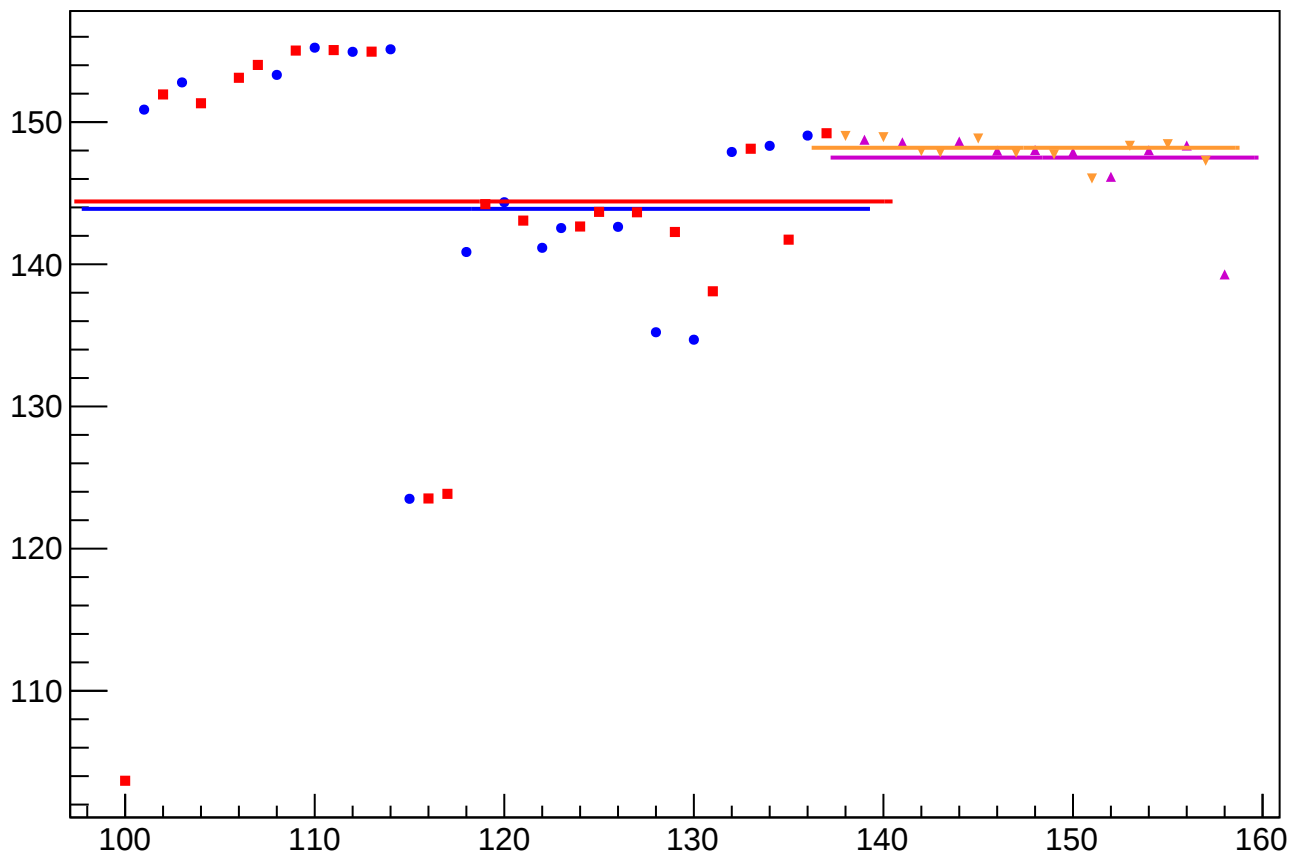
0.343+/-0.000 χ^2/NDF : 2020331.0/27

Right Out: 0.322+/-0.000 χ^2/NDF : 1243109.0/19

0.350+/-0.000 χ^2/NDF : 1962875.8/29

Left In: 0.381+/-0.000 χ^2/NDF : 529587.5/9

yield_bcm_an_us_mean vs Slug



Right In: 143.899 ± 0.000 χ^2/NDF : 3749888331.0/16

Left Out: 148.195 ± 0.000 χ^2/NDF : 34582723.3/10

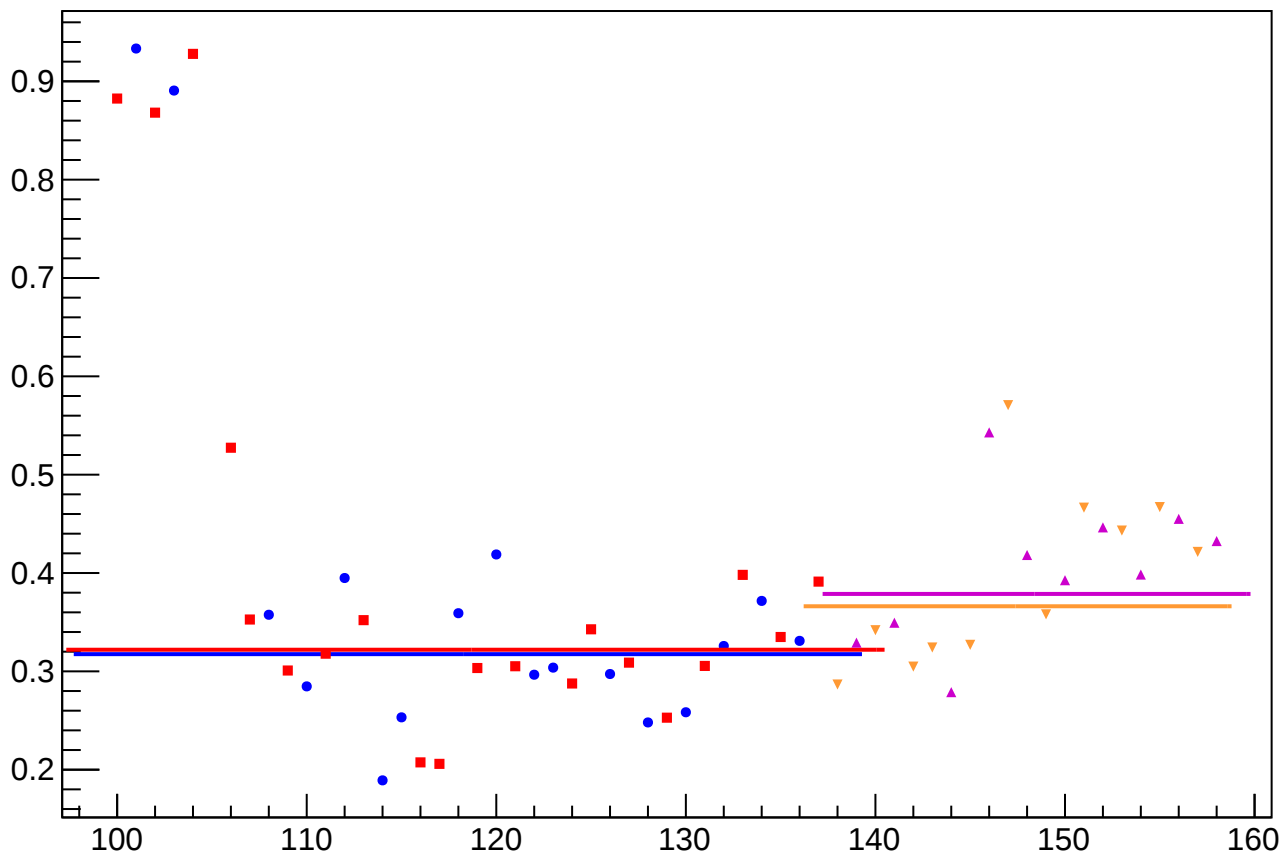
Right Out: 144.419 ± 0.000 χ^2/NDF : 4820290476.6/19

Left In: 147.504 ± 0.000 χ^2/NDF : 315427825.0/9

146.056 ± 0.000 χ^2/NDF : 4297323332.9/27

145.902 ± 0.000 χ^2/NDF : 5395504285.3/29

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1293179.2/16

Left Out: 0.366 ± 0.000 χ^2/NDF : 594797.1/10

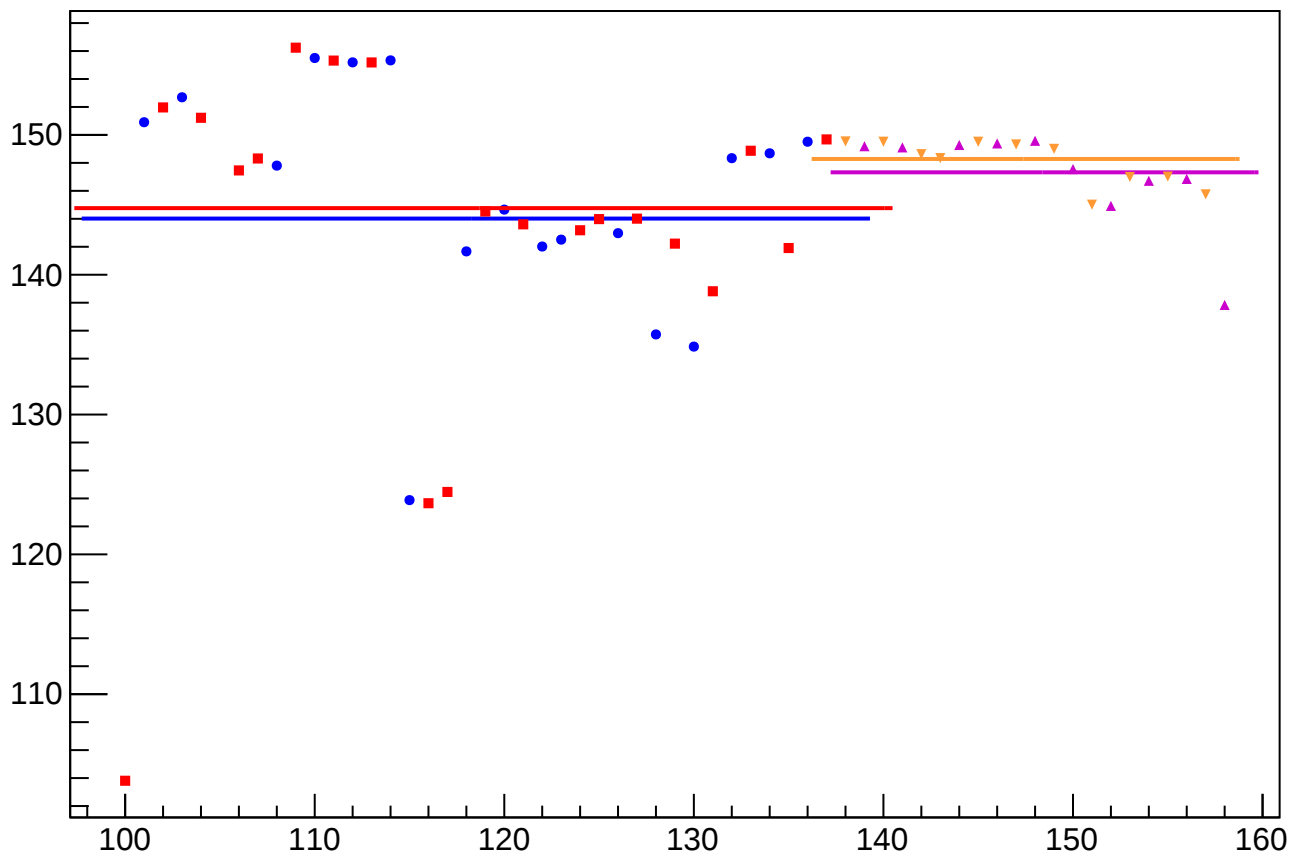
Right Out: 0.322 ± 0.000 χ^2/NDF : 1243703.4/19

Left In: 0.379 ± 0.000 χ^2/NDF : 520871.9/9

0.342 ± 0.000 χ^2/NDF : 2019692.2/27

0.349 ± 0.000 χ^2/NDF : 1940288.4/29

yield_bcm_dg_us_mean vs Slug



Right In: 144.018 ± 0.000 χ^2/NDF : 3238525527.6/16

Left Out: 148.280 ± 0.000 χ^2/NDF : 109557625.7/10

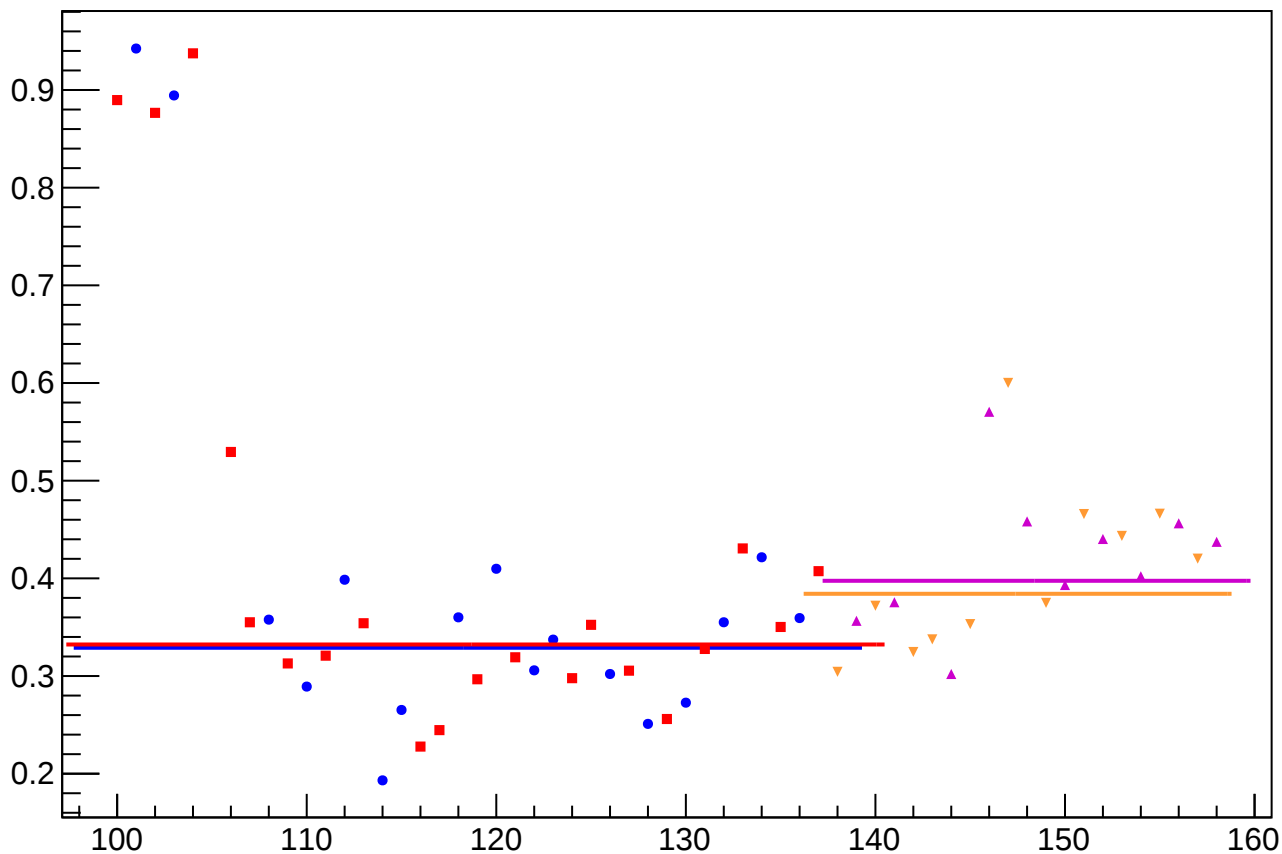
Right Out: 144.764 ± 0.000 χ^2/NDF : 4098462011.9/19

Left In: 147.325 ± 0.000 χ^2/NDF : 477934860.0/9

146.136 ± 0.000 χ^2/NDF : 3812074974.7/27

145.976 ± 0.000 χ^2/NDF : 4741983458.0/29

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.384 ± 0.000 χ^2/NDF : 482612.0/10

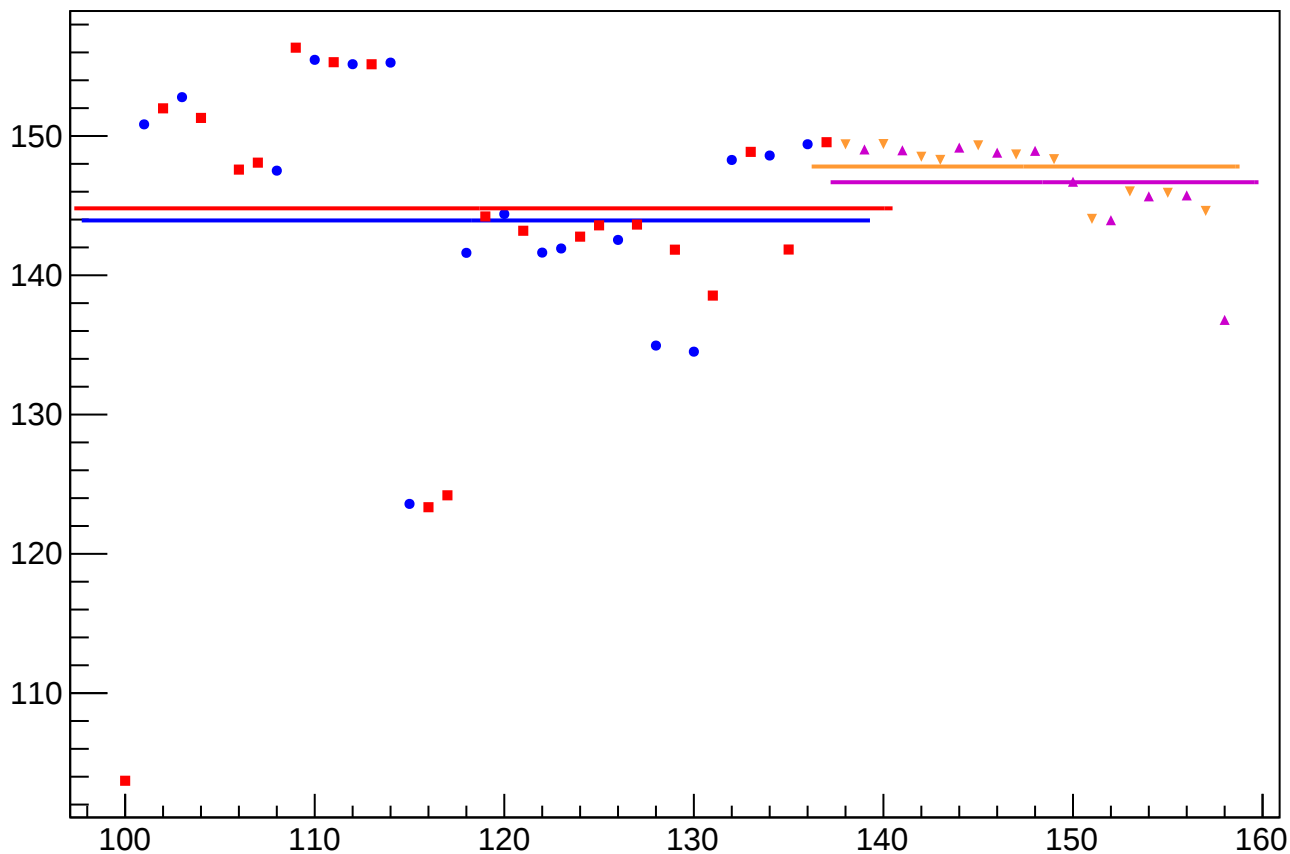
Right Out: 0.332 ± 0.000 χ^2/NDF : 1191637.2/19

Left In: 0.398 ± 0.000 χ^2/NDF : 410811.4/9

0.356 ± 0.000 χ^2/NDF : 1914555.0/27

0.363 ± 0.000 χ^2/NDF : 1817173.6/29

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937+/-0.000 χ^2/NDF : 3379203532.9/16

Left Out: 147.808+/-0.000 χ^2/NDF : 167865218.8/10

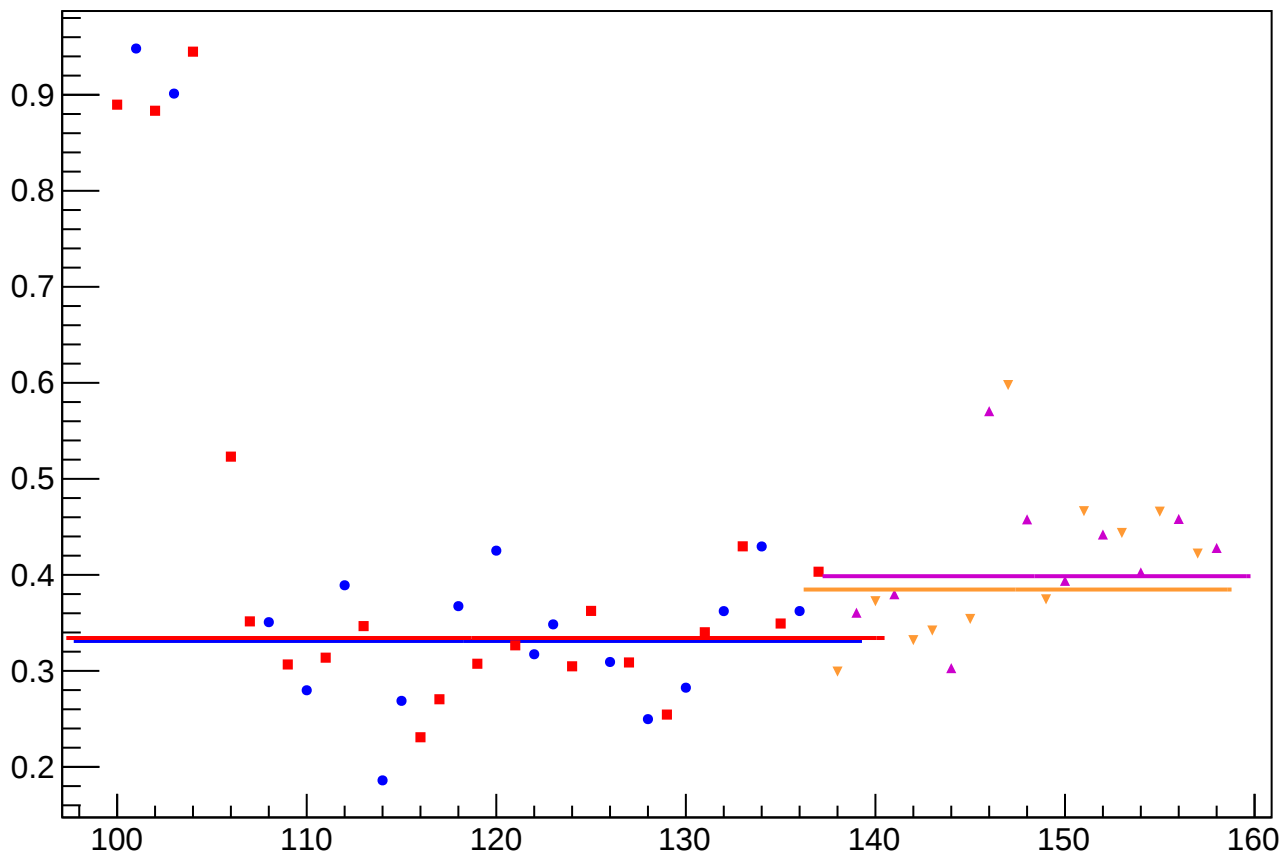
Right Out: 144.806+/-0.000 χ^2/NDF : 4139087143.3/19

Left In: 146.681+/-0.000 χ^2/NDF : 578527714.8/9

145.873+/-0.000 χ^2/NDF : 3925535376.6/27

145.696+/-0.000 χ^2/NDF : 4805489316.3/29

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331 ± 0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.385 ± 0.000 χ^2/NDF : 483178.4/10

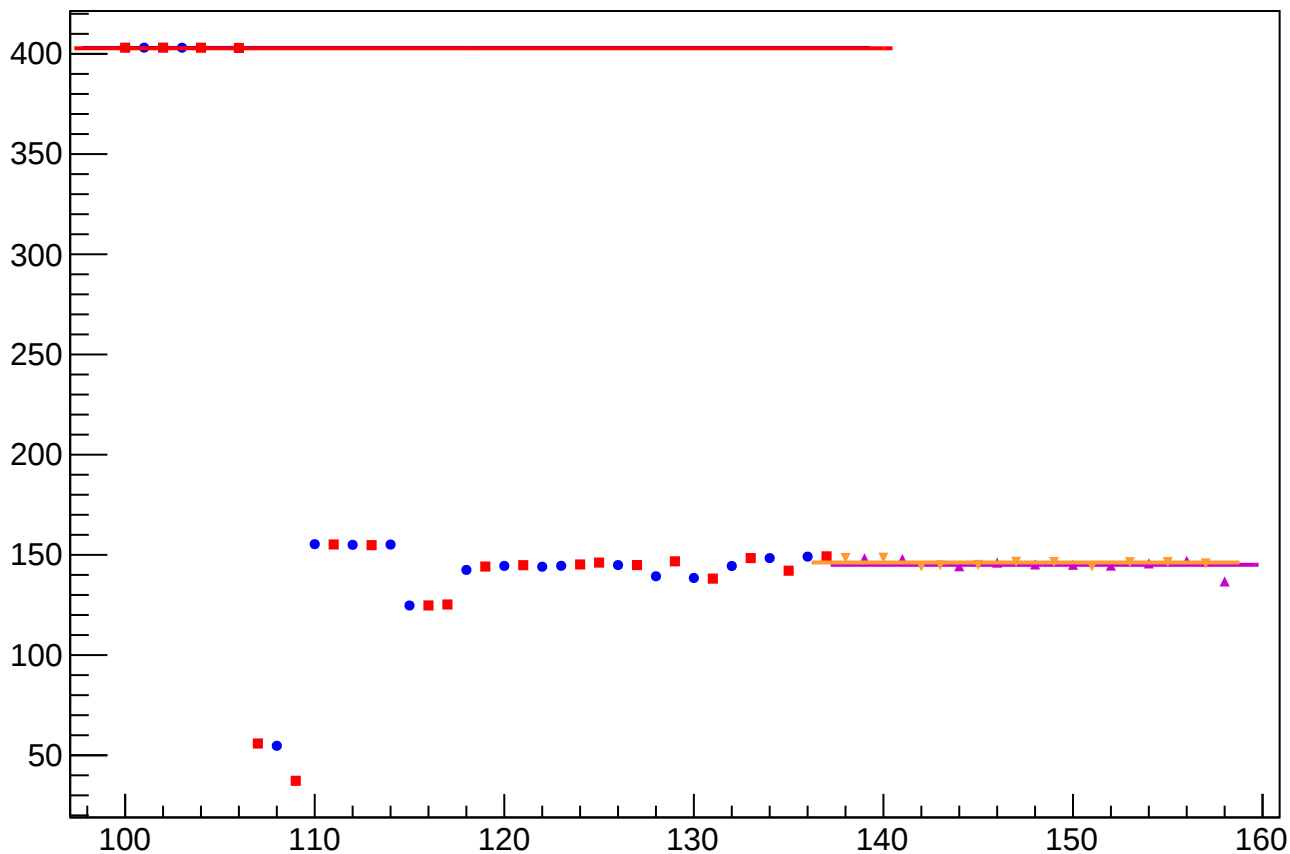
Right Out: 0.334 ± 0.000 χ^2/NDF : 1176170.4/19

Left In: 0.399 ± 0.000 χ^2/NDF : 397133.5/9

0.358 ± 0.000 χ^2/NDF : 1923777.3/27

0.365 ± 0.000 χ^2/NDF : 1780506.9/29

yield_cav4bQ_mean vs Slug



Right In: 402.957+/-0.000 χ^2/NDF : 1096710296821.6/16

Left Out: 146.199+/-0.000 χ^2/NDF : 30662235.5/10

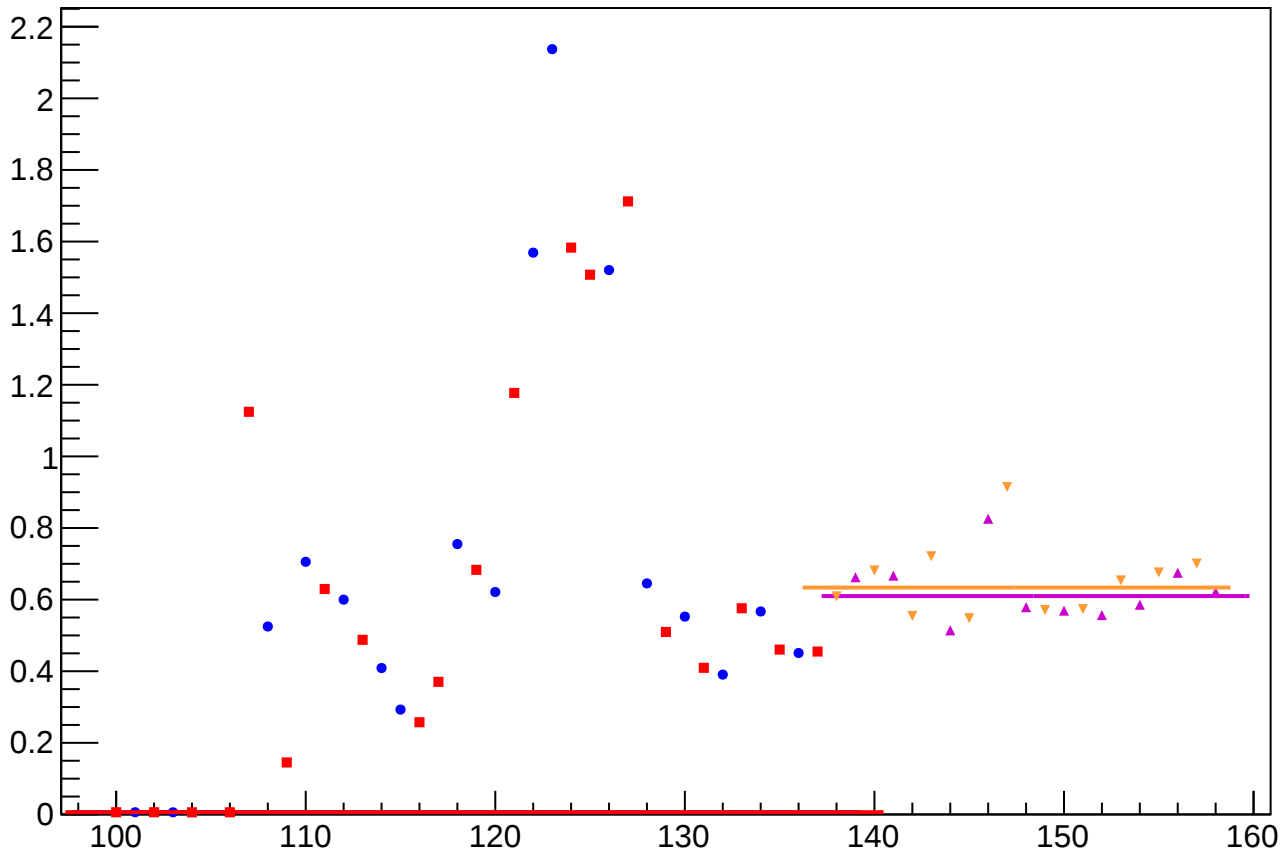
Right Out: 402.797+/-0.000 χ^2/NDF : 3122752044607.2/19

Left In: 145.052+/-0.000 χ^2/NDF : 125041541.6/9

402.849+/-0.000 χ^2/NDF : 1959625117398.1/27

402.692+/-0.000 χ^2/NDF : 4072761400058.4/29

yield_cav4bQ_rms vs Slug



Right In: 0.006 ± 0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.634 ± 0.000 χ^2/NDF : 184264.0/10

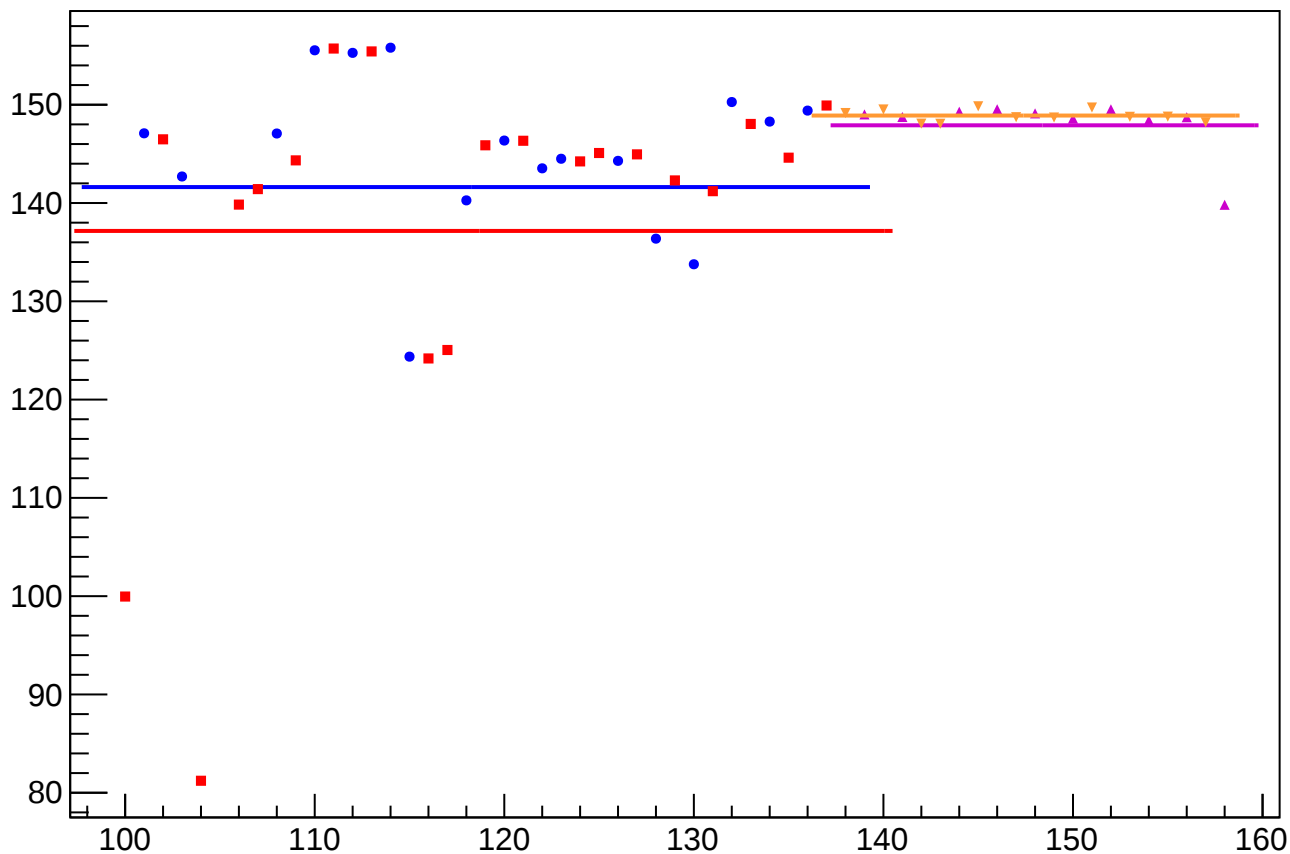
Right Out: 0.006 ± 0.000 χ^2/NDF : 9277290.2/19

Left In: 0.610 ± 0.000 χ^2/NDF : 153899.3/9

0.007 ± 0.000 χ^2/NDF : 19648170.5/27

0.007 ± 0.000 χ^2/NDF : 19848398.0/29

yield_cav4cQ_mean vs Slug



Right In: 141.622 $\pm$ 0.000 χ^2/NDF : 982037737.7/16

Left Out: 148.900 $\pm$ 0.000 χ^2/NDF : 9924920.0/10

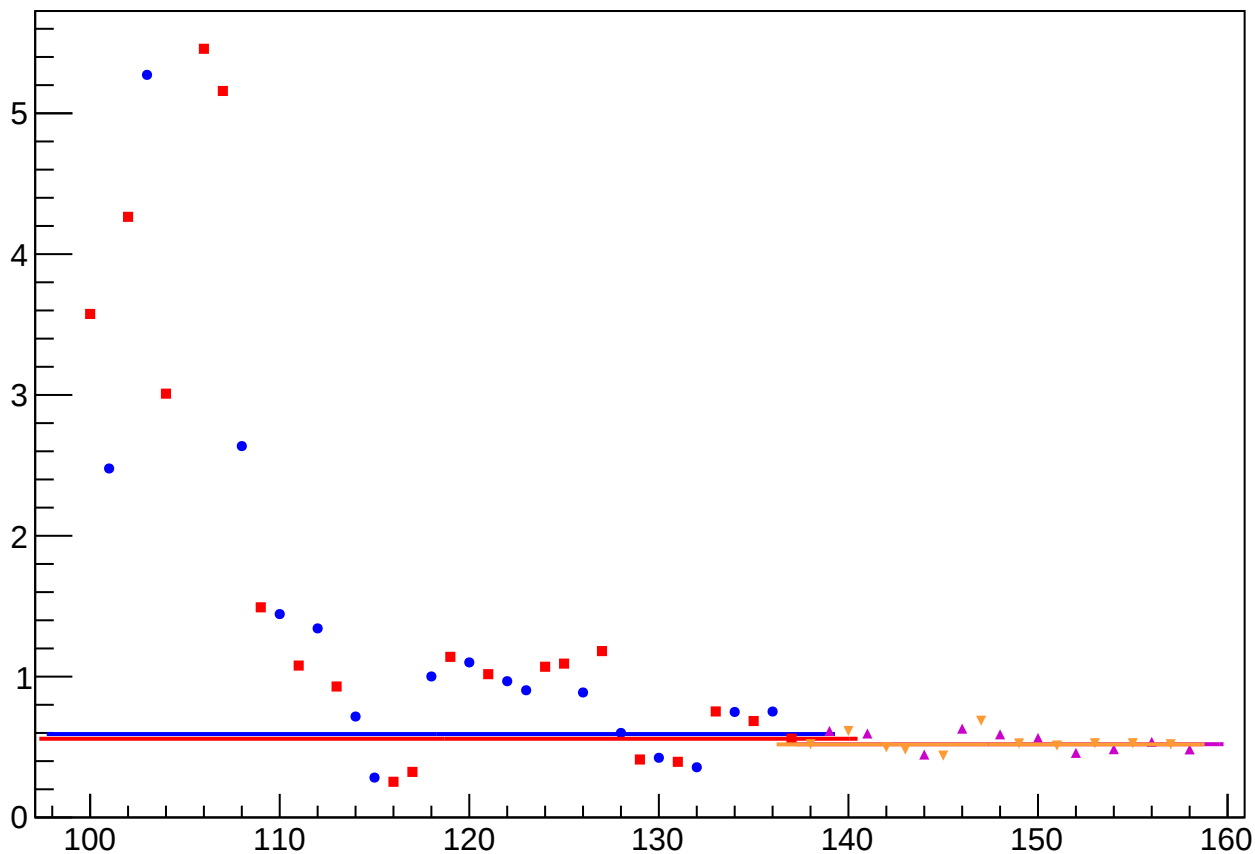
Right Out: 137.160 $\pm$ 0.000 χ^2/NDF : 1365742338.8/19

Left In: 147.906 $\pm$ 0.000 χ^2/NDF : 234007925.7/9

146.835 $\pm$ 0.000 χ^2/NDF : 1375893001.4/27

144.696 $\pm$ 0.000 χ^2/NDF : 2486657646.5/29

yield_cav4cQ_rms vs Slug



Right In: 0.592 ± 0.000 χ^2/NDF : 3521577.2/16

Left Out: 0.519 ± 0.000 χ^2/NDF : 163837.7/10

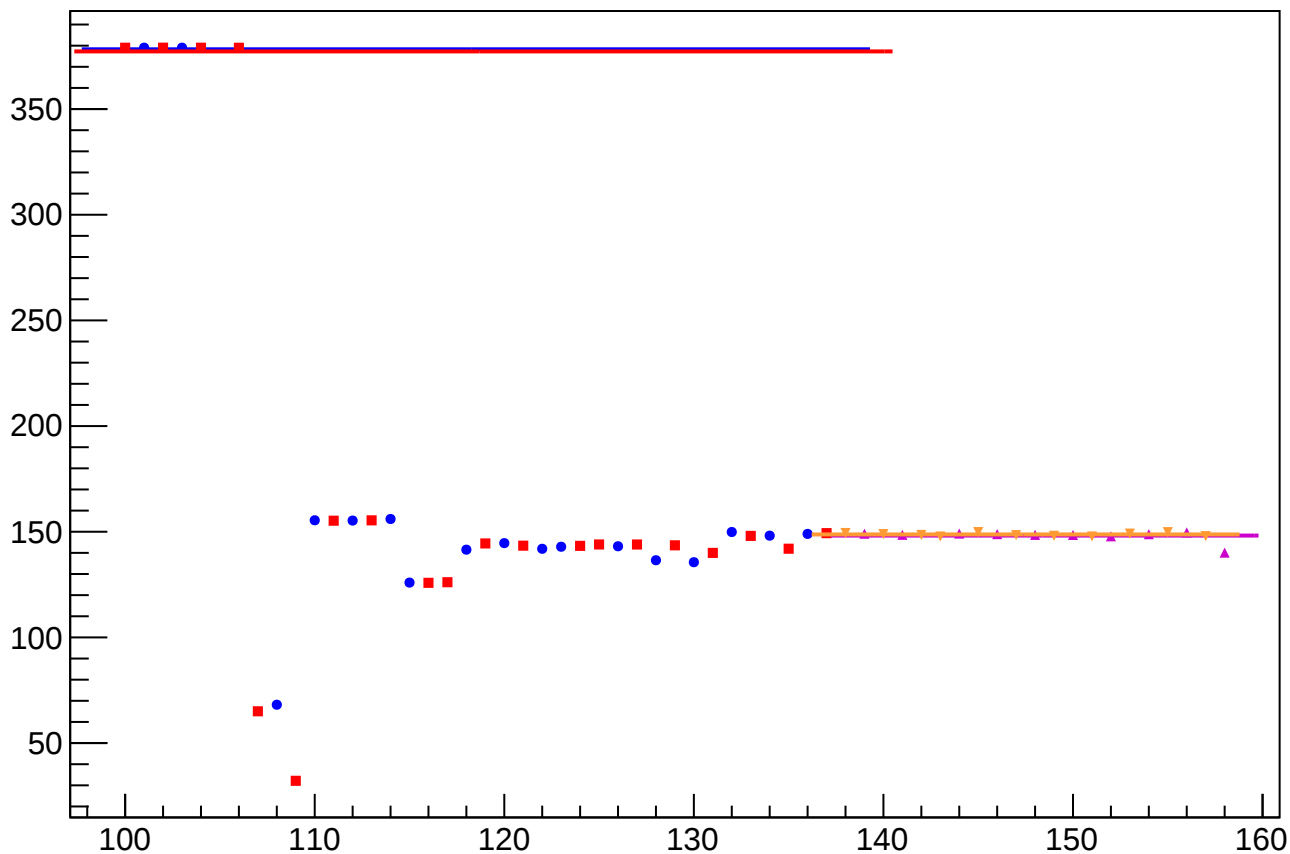
Right Out: 0.559 ± 0.000 χ^2/NDF : 4719868.1/19

Left In: 0.520 ± 0.000 χ^2/NDF : 201071.7/9

0.540 ± 0.000 χ^2/NDF : 3763519.6/27

0.532 ± 0.000 χ^2/NDF : 4943868.7/29

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16

Left Out: 148.730+/-0.000 χ^2/NDF : 25206284.0/10

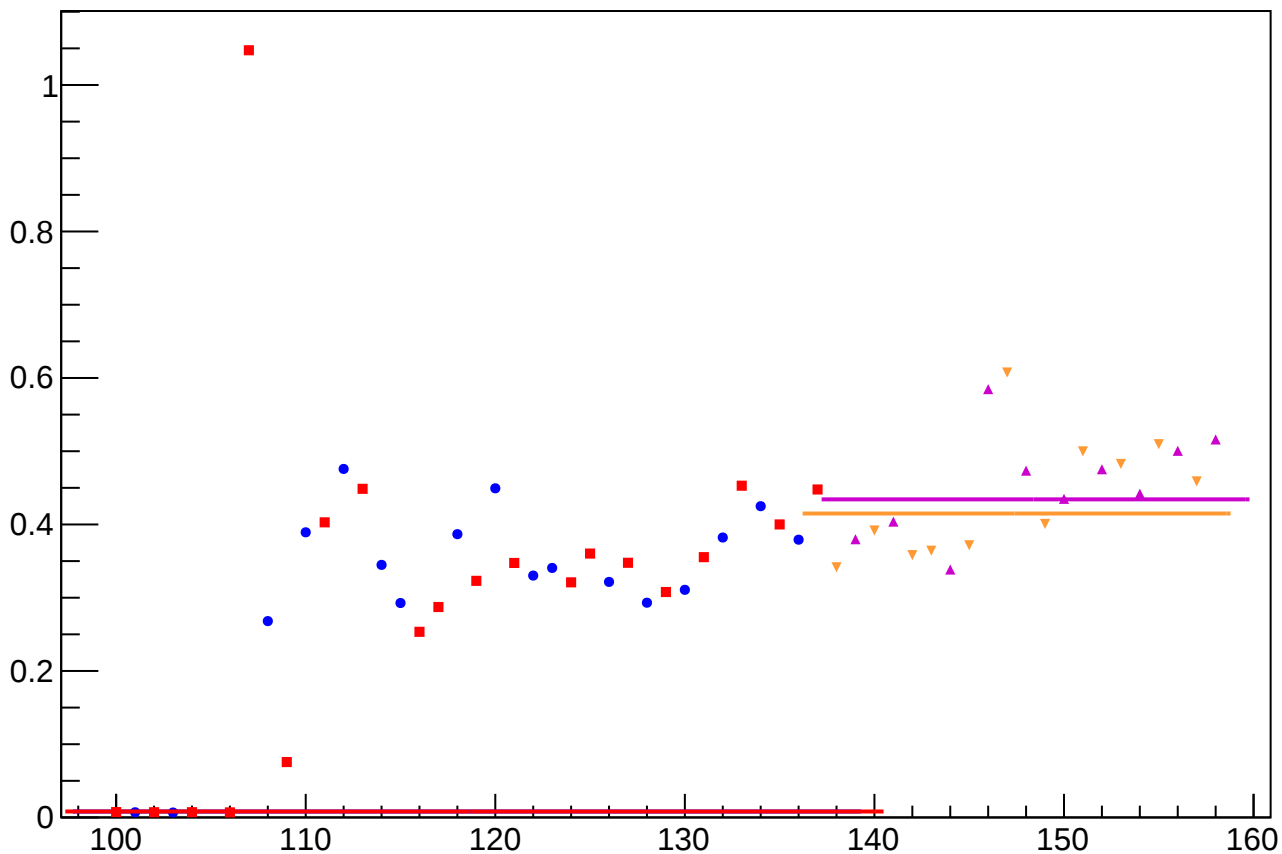
Right Out: 377.282+/-0.000 χ^2/NDF : 8306405788315.4/19

Left In: 148.189+/-0.000 χ^2/NDF : 206092159.8/9

377.523+/-0.000 χ^2/NDF : 4831830682808.3/27

376.670+/-0.000 χ^2/NDF : 10434086534677.2/27

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.415+/-0.000 χ^2/NDF : 427224.8/10

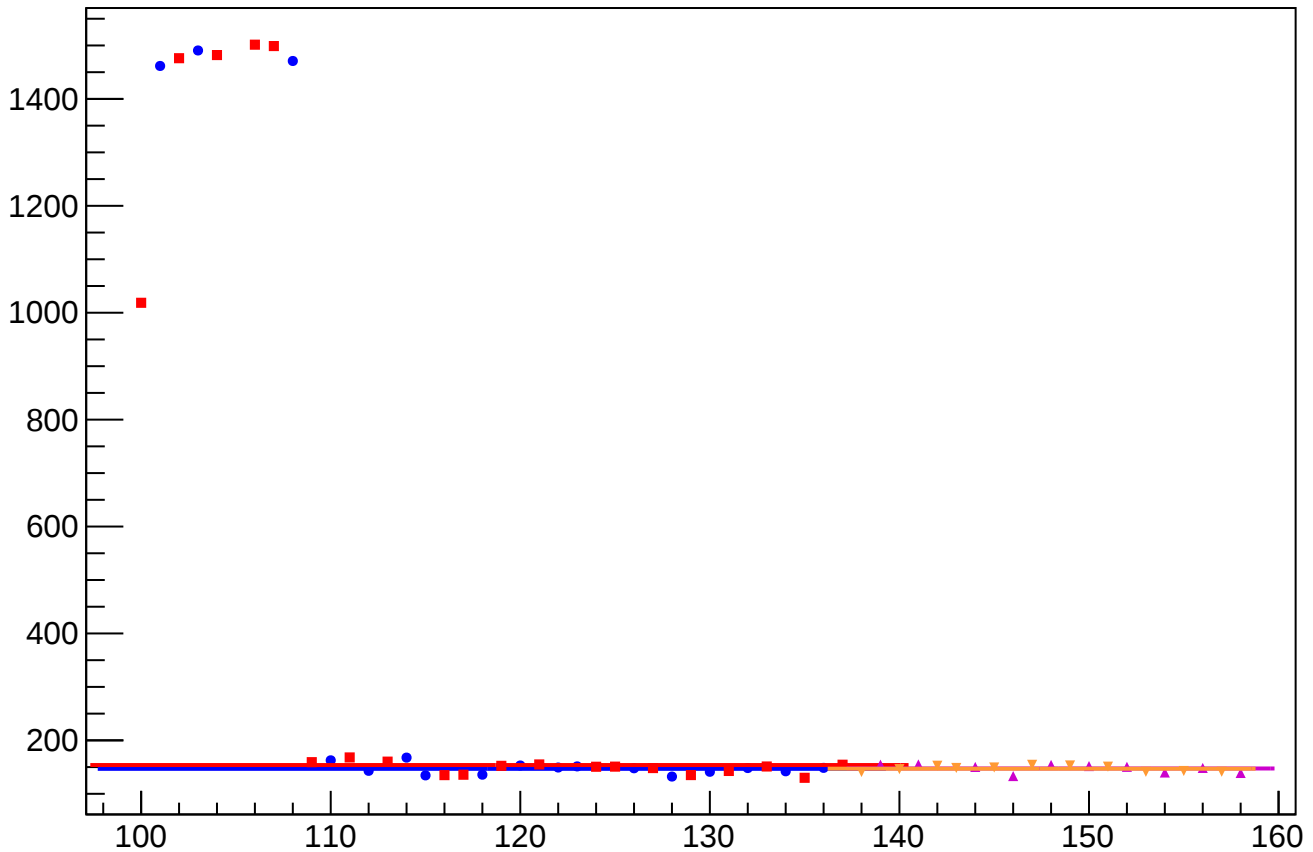
Right Out: 0.008+/-0.000 χ^2/NDF : 9601959.4/19

Left In: 0.434+/-0.000 χ^2/NDF : 363552.2/9

0.009+/-0.000 χ^2/NDF : 24884341.5/27

0.009+/-0.000 χ^2/NDF : 24687008.8/29

yield_bcm0l02_mean vs Slug



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 146.975+/-0.000 χ^2/NDF : 206160489.2/10

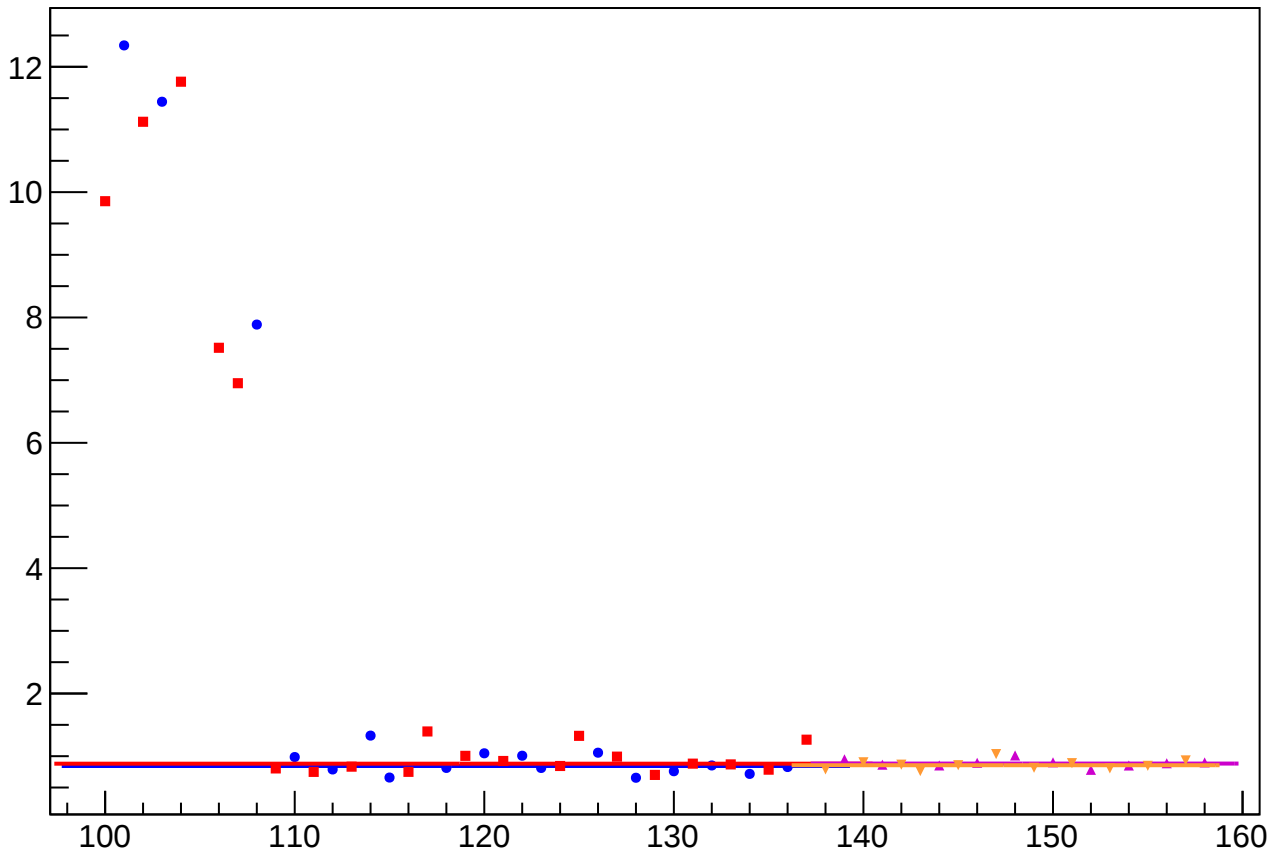
146.878+/-0.000 χ^2/NDF : 24557240044.8/27

Right Out: 153.818+/-0.000 χ^2/NDF : 33744777744.4/19

149.882+/-0.000 χ^2/NDF : 34306269505.4/29

Left In: 147.378+/-0.000 χ^2/NDF : 426868587.4/9

yield_bcm0l02_rms vs Slug



Right In: 0.844 ± 0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.856 ± 0.000 χ^2/NDF : 82798.7/10

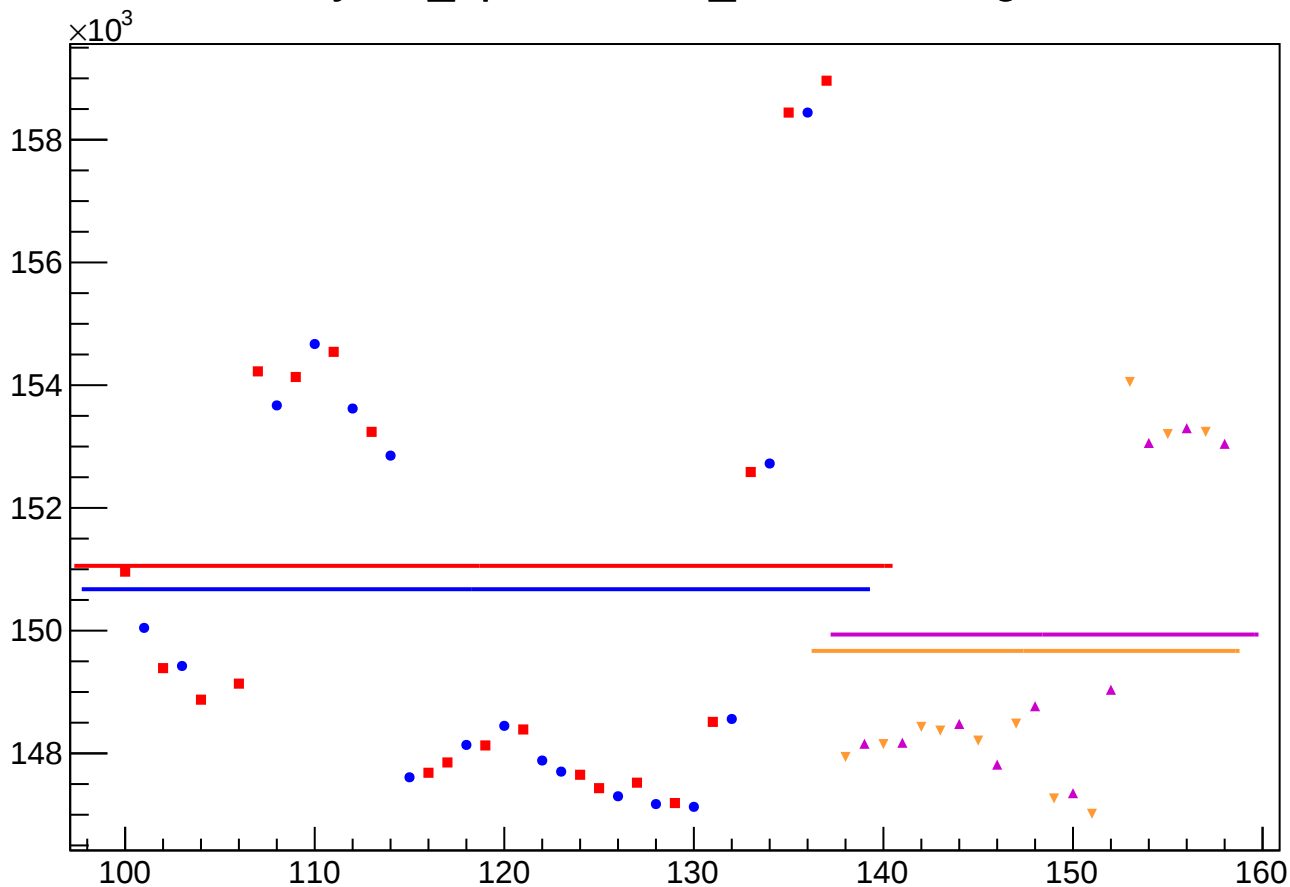
Right Out: 0.880 ± 0.000 χ^2/NDF : 2823230.1/19

Left In: 0.882 ± 0.000 χ^2/NDF : 55810.4/9

0.851 ± 0.000 χ^2/NDF : 2754245.8/27

0.881 ± 0.000 χ^2/NDF : 2879065.2/29

yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 $\pm$ 0.063 χ^2 /NDF: 3309974859.4/16

Left Out: 149670.009 $\pm$ 0.065 χ^2 /NDF: 1611933073.7/10

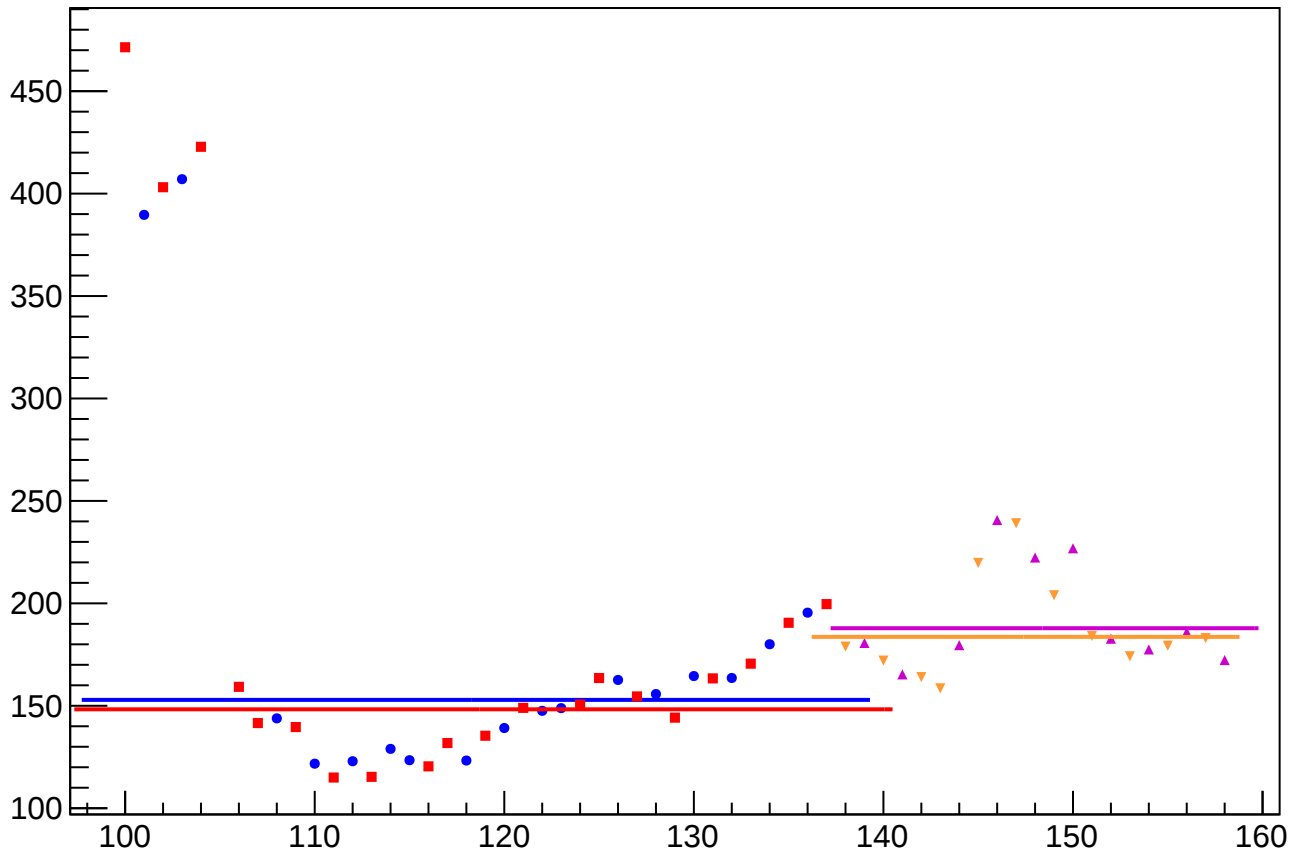
Right Out: 151056.044 $\pm$ 0.059 χ^2 /NDF: 3325519080.9/19

Left In: 149936.727 $\pm$ 0.067 χ^2 /NDF: 1202420518.6/9

150190.609 $\pm$ 0.045 χ^2 /NDF: 5044720144.6/27

150561.250 $\pm$ 0.044 χ^2 /NDF: 4684695192.8/29

yield_bpm0i01WS_rms vs Slug



Right In: 152.883 $\pm$ 0.045 χ^2 /NDF: 1154088.7/16

Left Out: 183.629 $\pm$ 0.046 χ^2 /NDF:199458.1/10

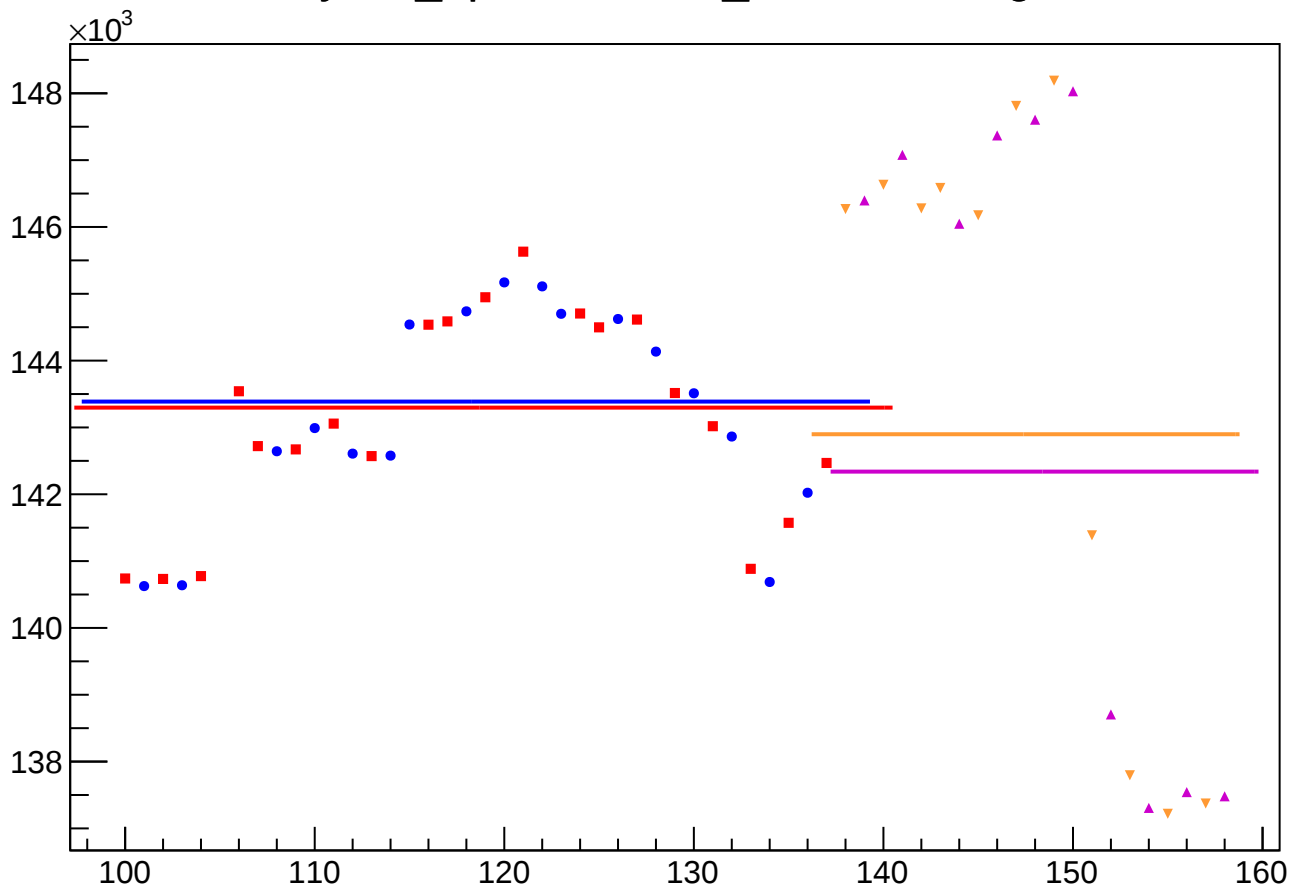
Right Out: 148.278 $\pm$ 0.042 χ^2 /NDF: 1192879.8/19

Left In: 187.868 $\pm$ 0.047 χ^2 /NDF:222271.0/9

167.703 $\pm$ 0.032 χ^2 /NDF: 1583426.0/27

165.779 $\pm$ 0.031 χ^2 /NDF: 1807357.7/29

yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099 $\pm$ 0.053 χ^2 /NDF: 521299875.7/16

Left Out: 142898.404 $\pm$ 0.062 χ^2 /NDF: 4914188778.1/10

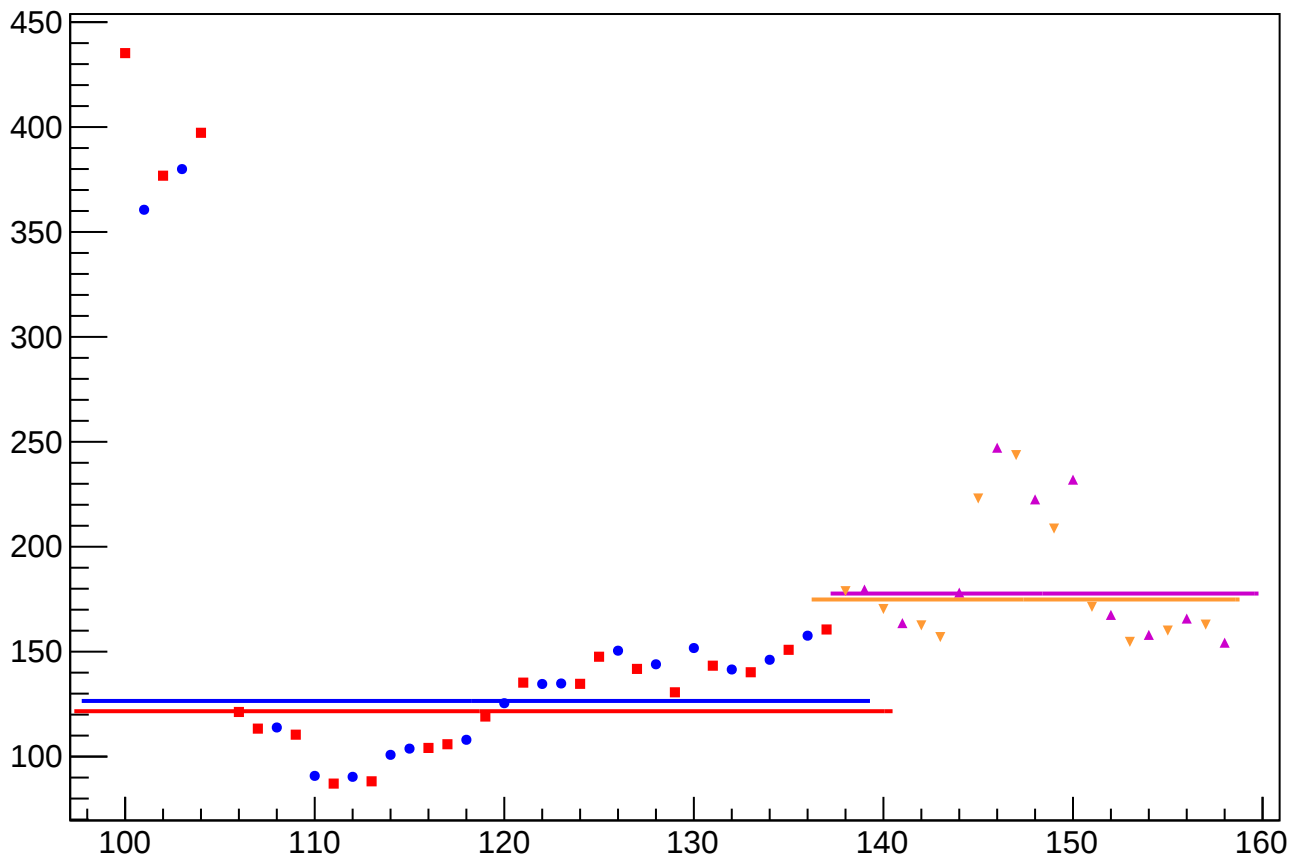
Right Out: 143296.790 $\pm$ 0.049 χ^2 /NDF: 615134284.0/19

Left In: 142339.064 $\pm$ 0.064 χ^2 /NDF: 5367311545.8/9

143183.744 $\pm$ 0.040 χ^2 /NDF: 5471238885.8/27

142940.780 $\pm$ 0.039 χ^2 /NDF: 6125189990.8/29

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 ± 0.037 χ^2/NDF : 1441685.0/16

Left Out: 174.859 ± 0.044 χ^2/NDF : 308773.7/10

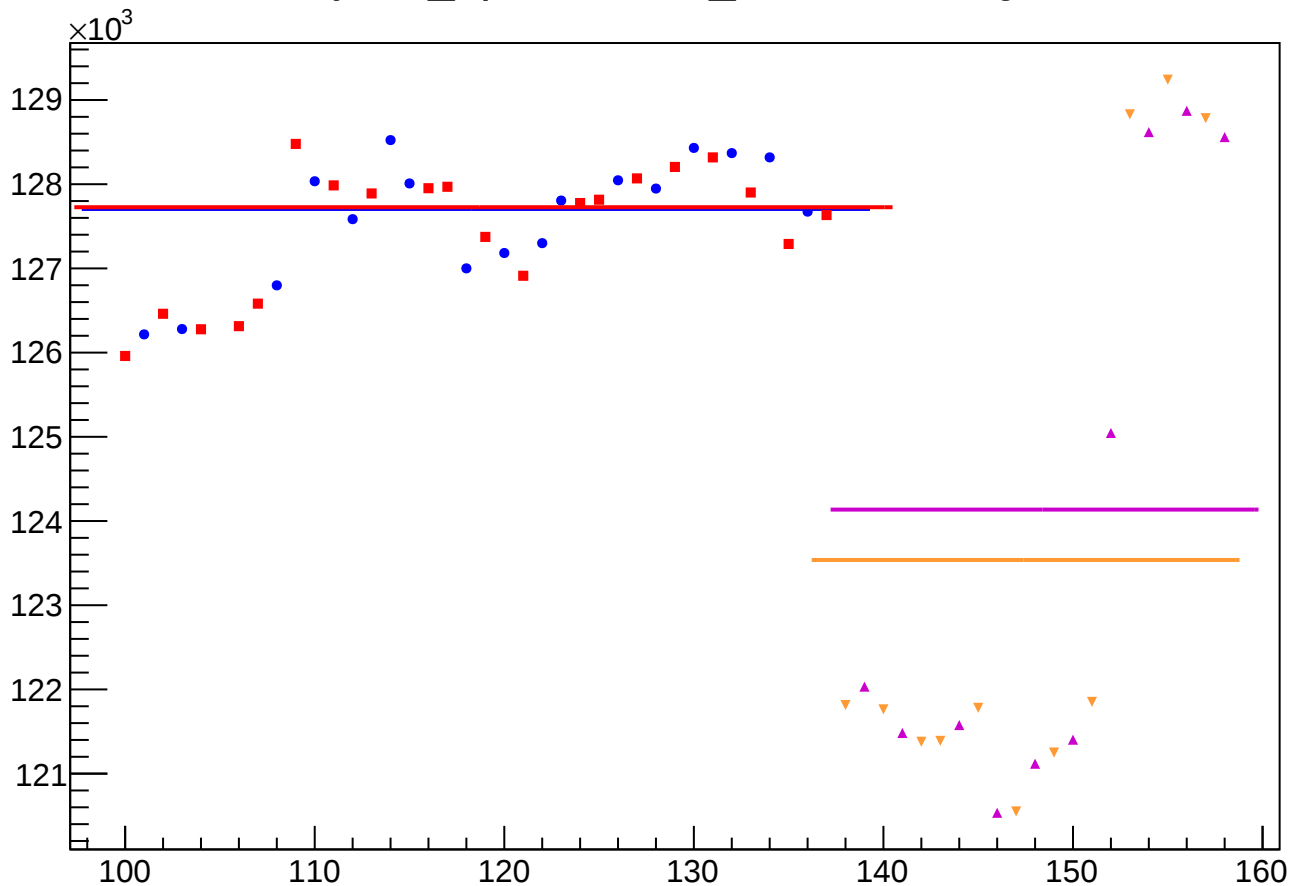
Right Out: 121.625 ± 0.035 χ^2/NDF : 1465763.8/19

Left In: 177.692 ± 0.045 χ^2/NDF : 371596.9/9

146.631 ± 0.028 χ^2/NDF : 2450192.3/27

142.467 ± 0.027 χ^2/NDF : 2815763.3/29

yield_bpm0l01WS_mean vs Slug



Right In: 127706.194 $\pm$ 0.058 χ^2 /NDF: 97860521.1/16

Left Out: 123537.337 $\pm$ 0.059 χ^2 /NDF: 3125306601.3/10

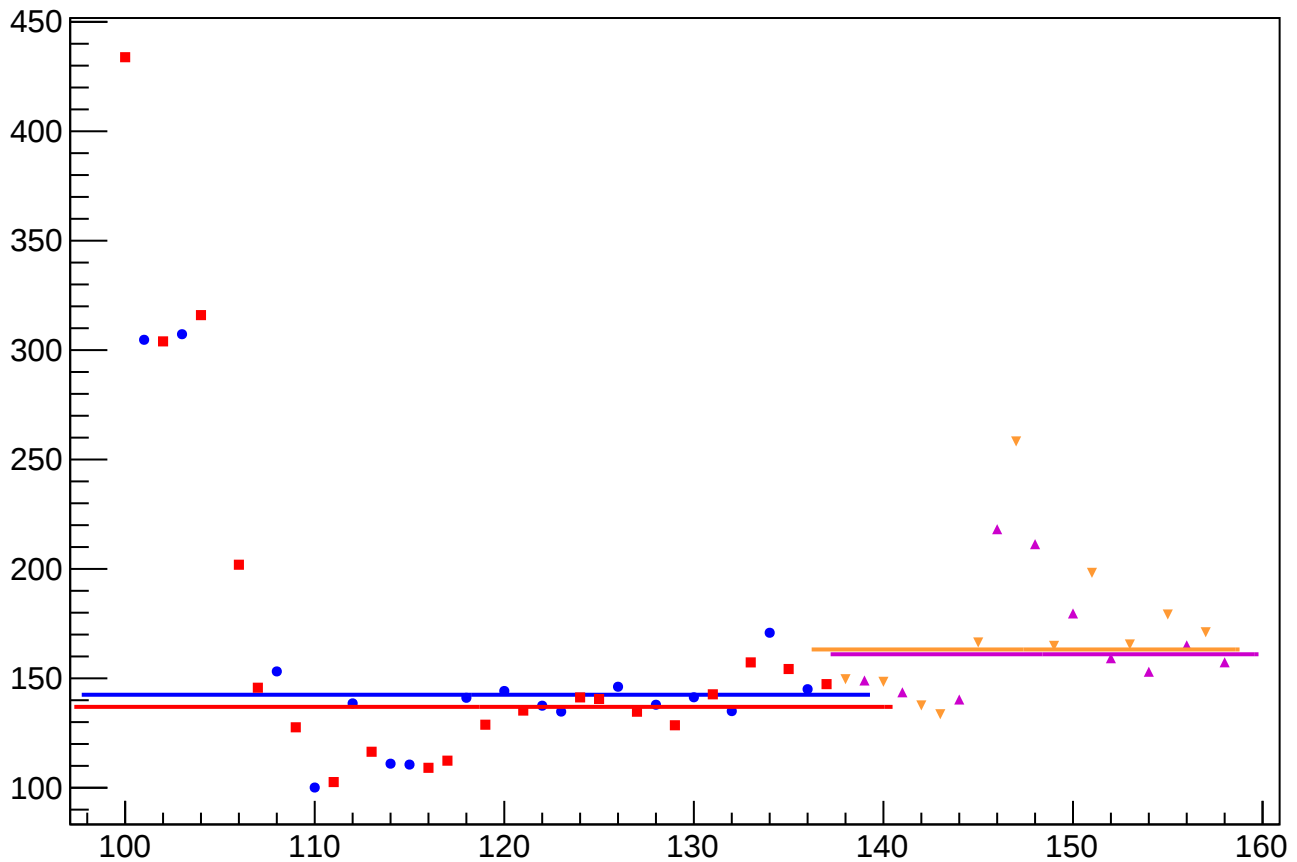
Right Out: 127726.708 $\pm$ 0.054 χ^2 /NDF: 112816704.3/19

Left In: 124135.724 $\pm$ 0.058 χ^2 /NDF: 3247624187.6/9

125654.397 $\pm$ 0.041 χ^2 /NDF: 5760679618.7/27

126044.097 $\pm$ 0.040 χ^2 /NDF: 5413206771.6/29

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 $\pm$ 0.041 χ^2/NDF : 836263.7/16

Left Out: 163.200 $\pm$ 0.042 χ^2/NDF : 391135.5/10

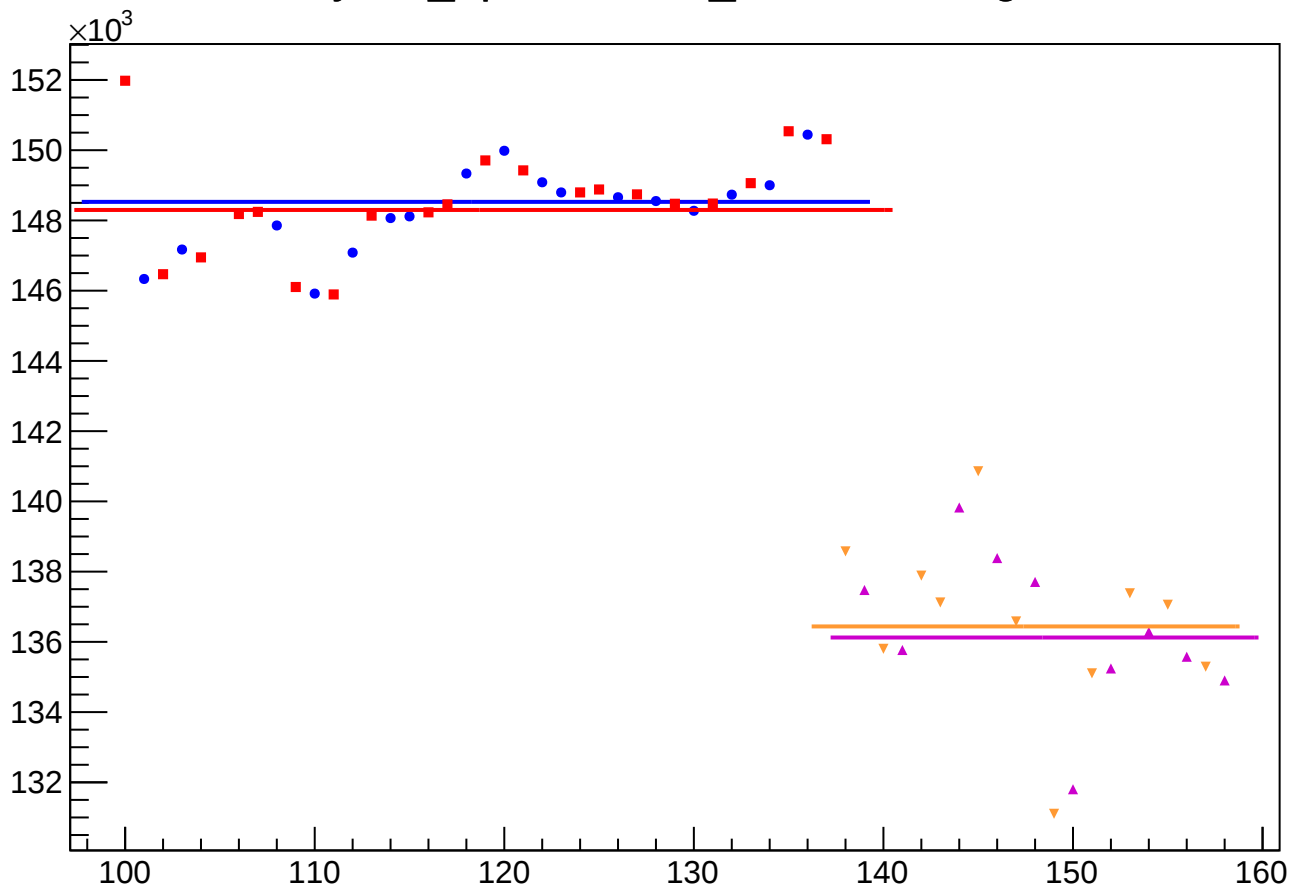
Right Out: 136.963 $\pm$ 0.038 χ^2/NDF : 961465.0/19

Left In: 161.003 $\pm$ 0.041 χ^2/NDF : 288149.8/9

152.689 $\pm$ 0.029 χ^2/NDF : 1352503.5/27

148.228 $\pm$ 0.028 χ^2/NDF : 1433612.3/29

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 $\pm$ 0.082 χ^2 /NDF: 209986594.2/16

Left Out: 136439.376 $\pm$ 0.088 χ^2 /NDF: 758494609.0/10

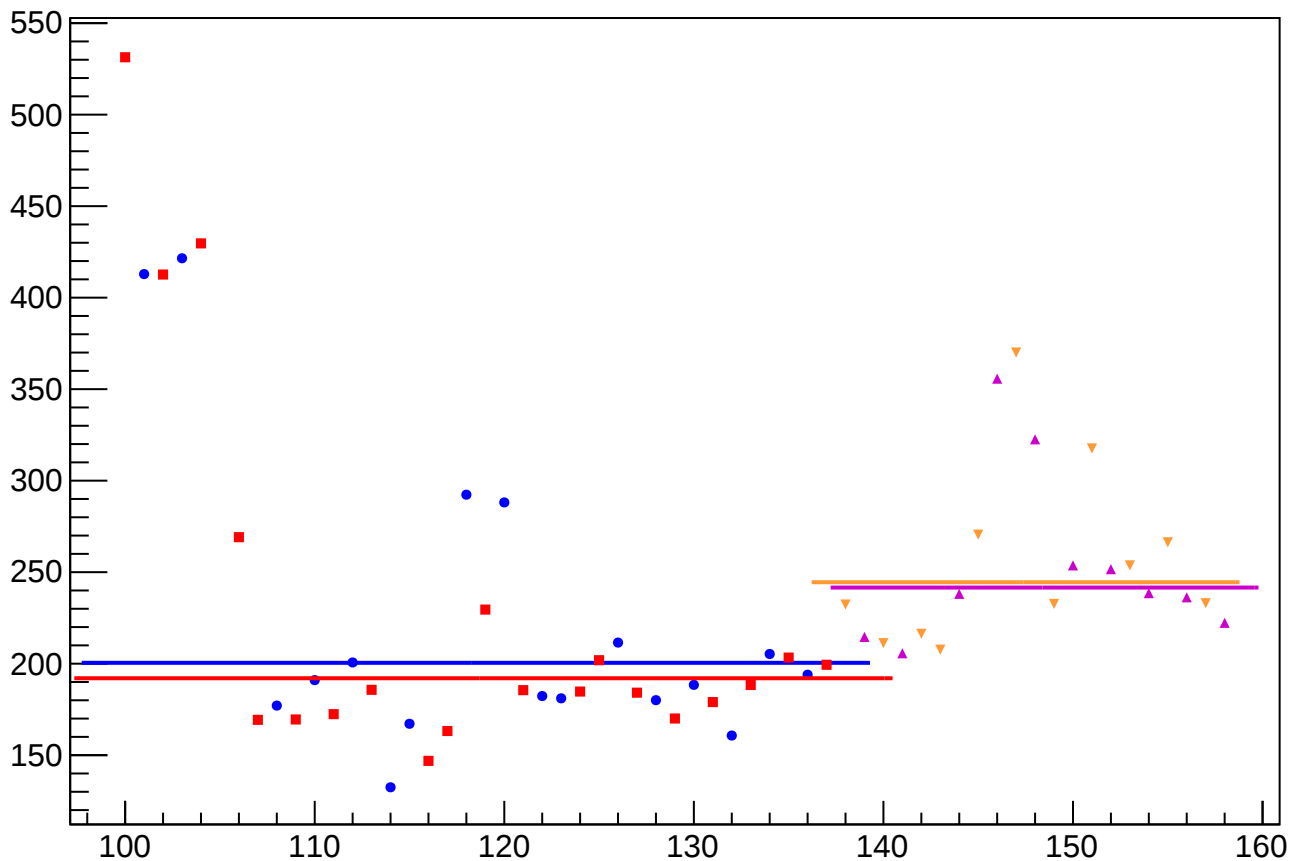
Right Out: 148298.586 $\pm$ 0.076 χ^2 /NDF: 293284830.9/19

Left In: 136124.037 $\pm$ 0.087 χ^2 /NDF: 569065268.6/9

142894.406 $\pm$ 0.060 χ^2 /NDF: 11081524081.0/2

142990.211 $\pm$ 0.057 χ^2 /NDF: 12032540686.5/2

yield_bpm0l02WS_rms vs Slug



Right In: 200.472+/-0.058 χ^2/NDF : 936547.2/16

Left Out: 244.506+/-0.062 χ^2/NDF : 390576.1/10

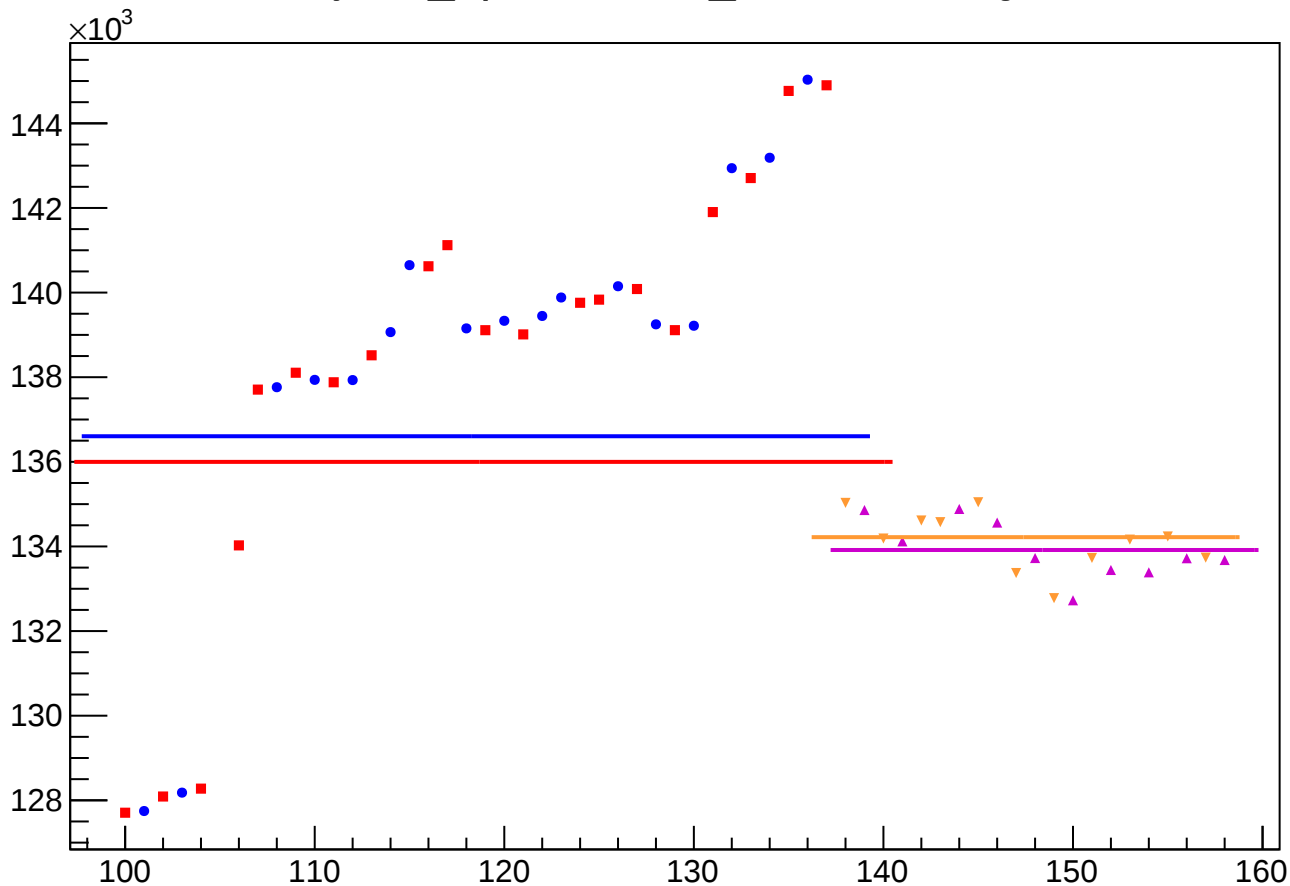
Right Out: 192.040+/-0.054 χ^2/NDF : 847133.0/19

Left In: 241.591+/-0.061 χ^2/NDF : 350119.7/9

220.995+/-0.042 χ^2/NDF : 1595456.1/27

213.645+/-0.040 χ^2/NDF : 1567320.2/29

yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16

Left Out: 134219.511 $\pm$ 0.200 χ^2 /NDF: 10621673.8/10

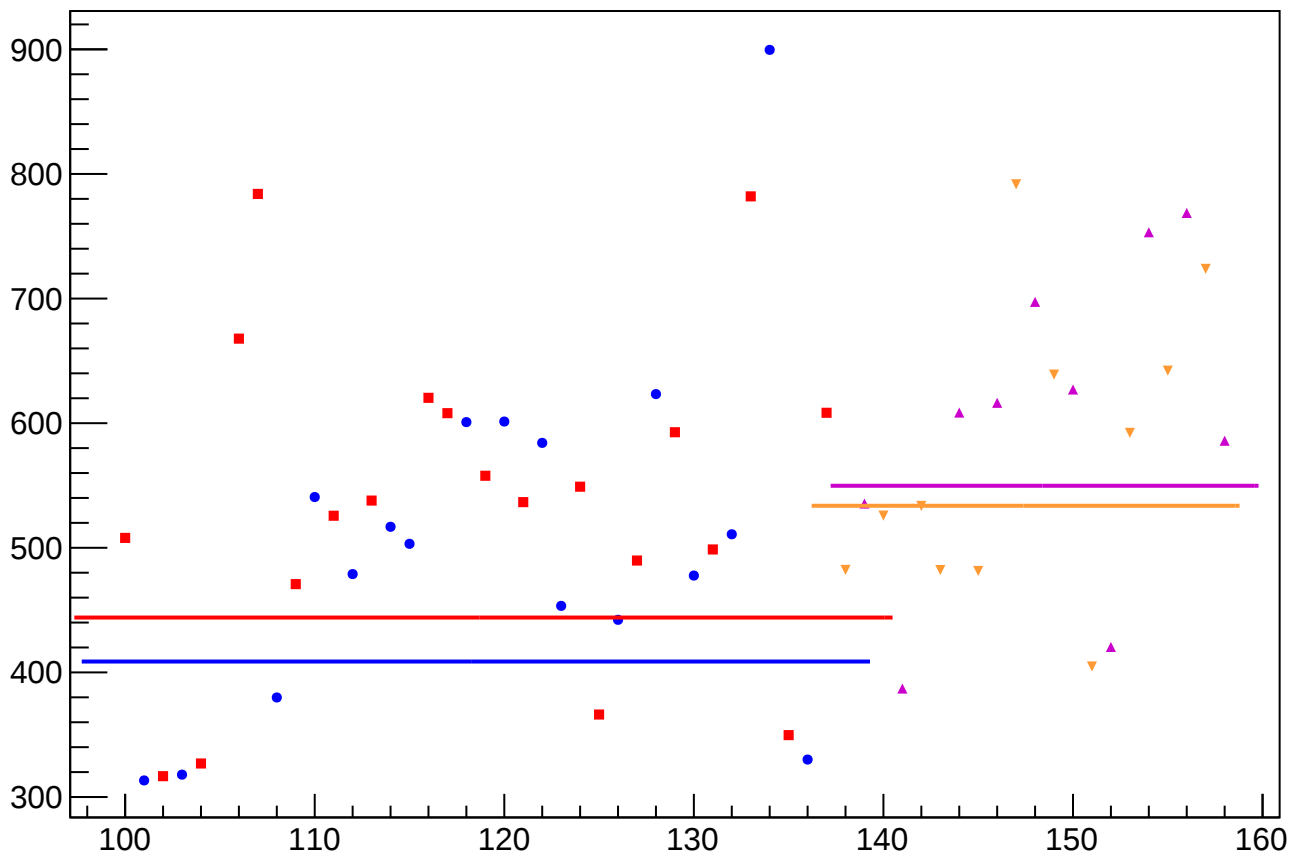
Right Out: 135998.851 $\pm$ 0.182 χ^2 /NDF: 1084895879.4/19

Left In: 133916.205 $\pm$ 0.213 χ^2 /NDF: 8831014.4/9

135594.526 $\pm$ 0.130 χ^2 /NDF: 1586947109.9/27

135118.308 $\pm$ 0.139 χ^2 /NDF: 1148848569.0/29

yield_bpm0l03WS_rms vs Slug



Right In: 408.729 ± 0.121 $\chi^2/\text{NDF}: 823262.8/16$

Left Out: 533.731 ± 0.141 $\chi^2/\text{NDF}: 521816.3/10$

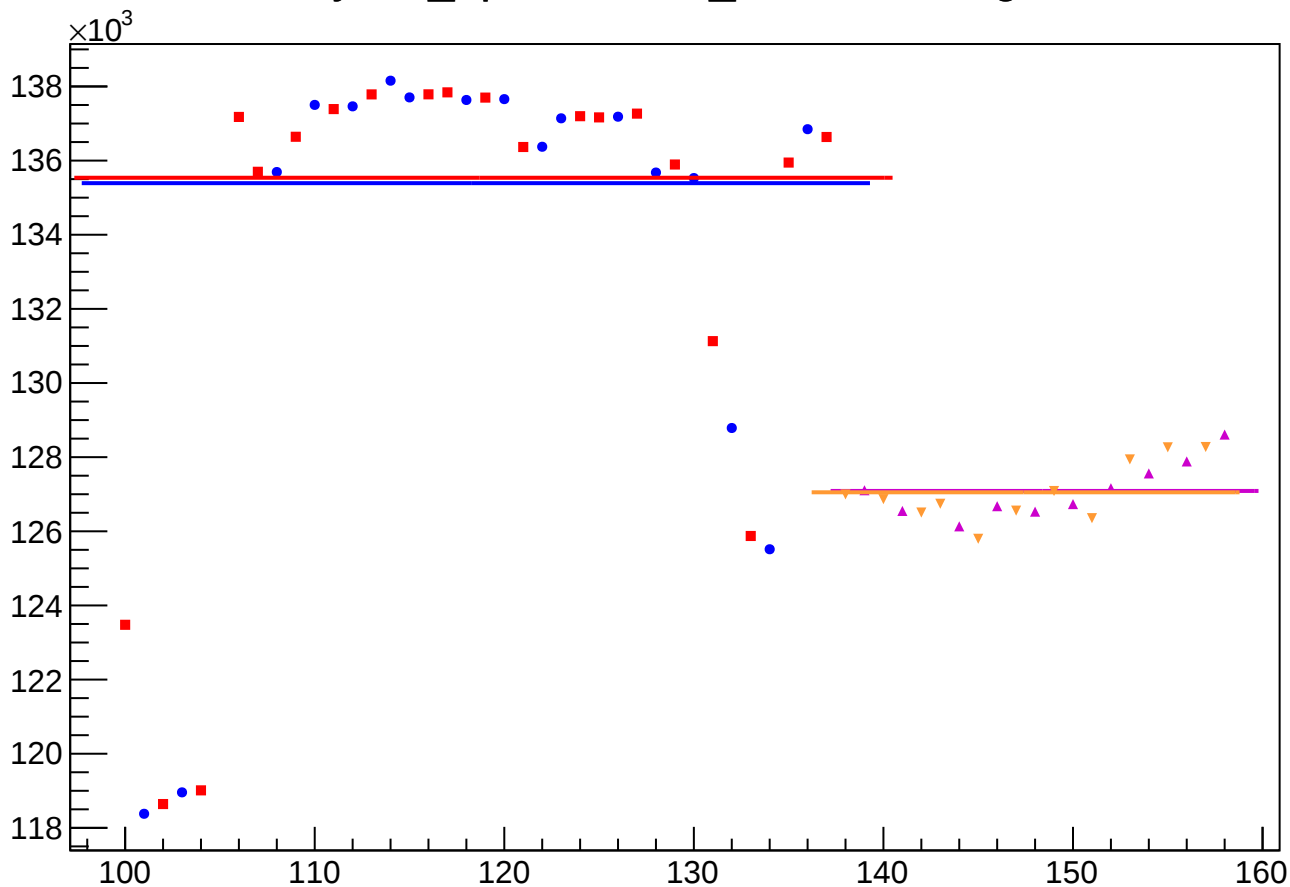
Right Out: 444.034 ± 0.129 $\chi^2/\text{NDF}: 922545.8/19$

Left In: 549.779 ± 0.151 $\chi^2/\text{NDF}: 694987.6/9$

461.668 ± 0.092 $\chi^2/\text{NDF}: 1795373.6/27$

488.743 ± 0.098 $\chi^2/\text{NDF}: 1901743.3/29$

yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16

Left Out: 127052.183 $\pm$ 0.063 χ^2 /NDF: 141090035.9/10

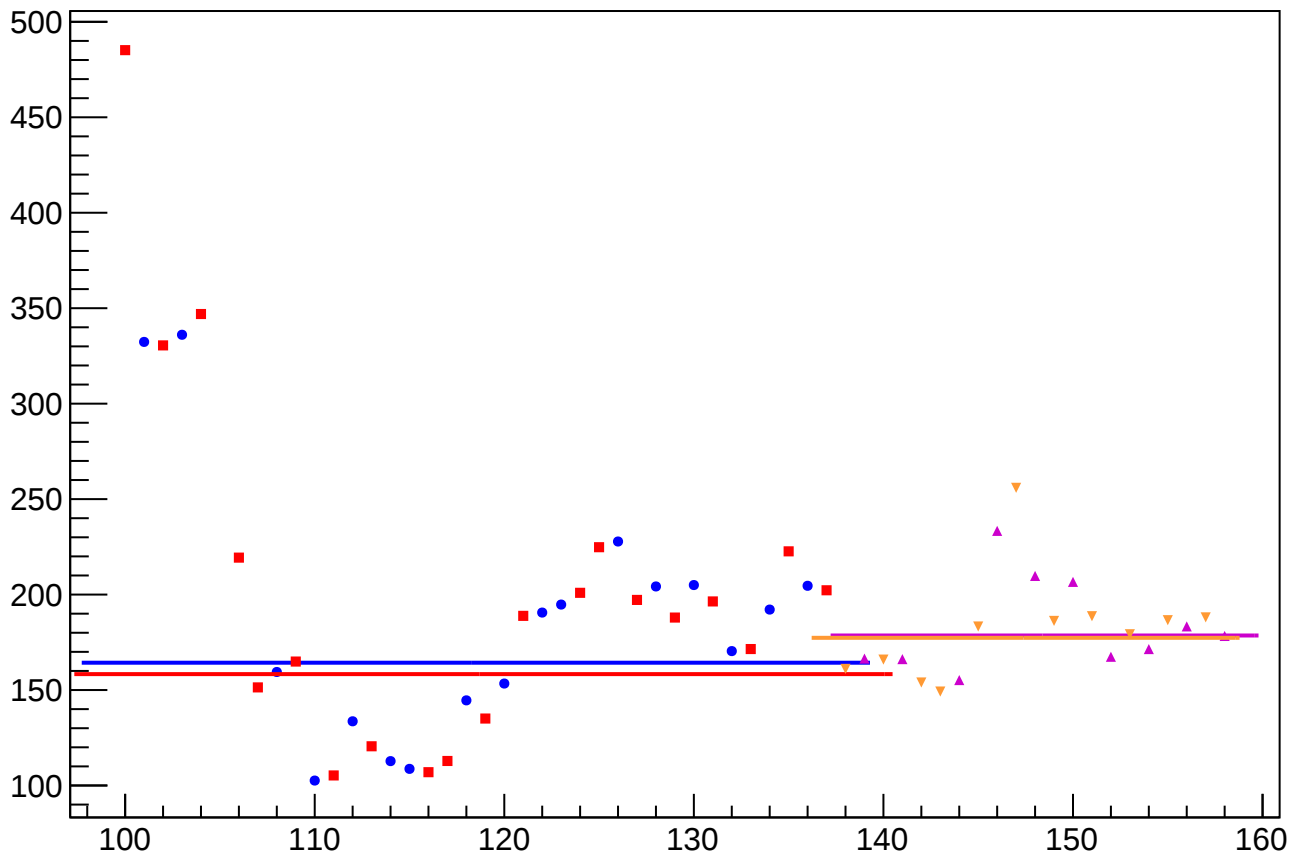
Right Out: 135537.290 $\pm$ 0.064 χ^2 /NDF: 4748951957.4/19

Left In: 127088.721 $\pm$ 0.064 χ^2 /NDF: 131349227.7/9

130913.922 $\pm$ 0.046 χ^2 /NDF: 12733953716.3/2

131294.399 $\pm$ 0.045 χ^2 /NDF: 13647673524.2/2

yield_bpm0l04WS_rms vs Slug



Right In: 164.311 ± 0.048 χ^2/NDF : 1230487.8/16

Left Out: 177.351 ± 0.045 χ^2/NDF : 253182.3/10

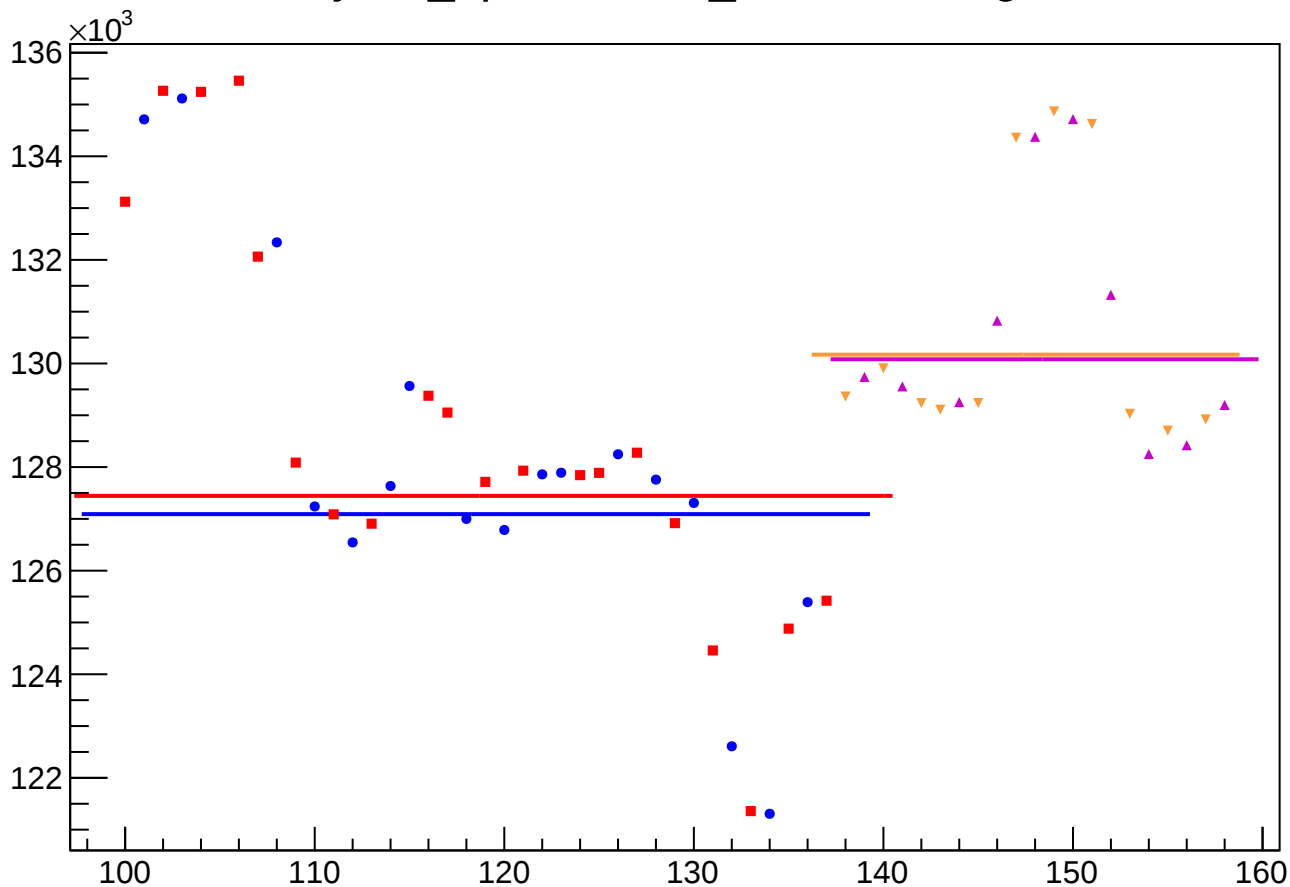
Right Out: 158.336 ± 0.045 χ^2/NDF : 1398323.7/19

Left In: 178.566 ± 0.045 χ^2/NDF : 218273.0/9

171.313 ± 0.033 χ^2/NDF : 1522852.5/27

168.496 ± 0.032 χ^2/NDF : 1717129.0/29

yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 ± 0.066 $\chi^2/\text{NDF}: 1717208780.6/16$

Left Out: 130171.211 ± 0.064 $\chi^2/\text{NDF}: 1072550364.1/10$

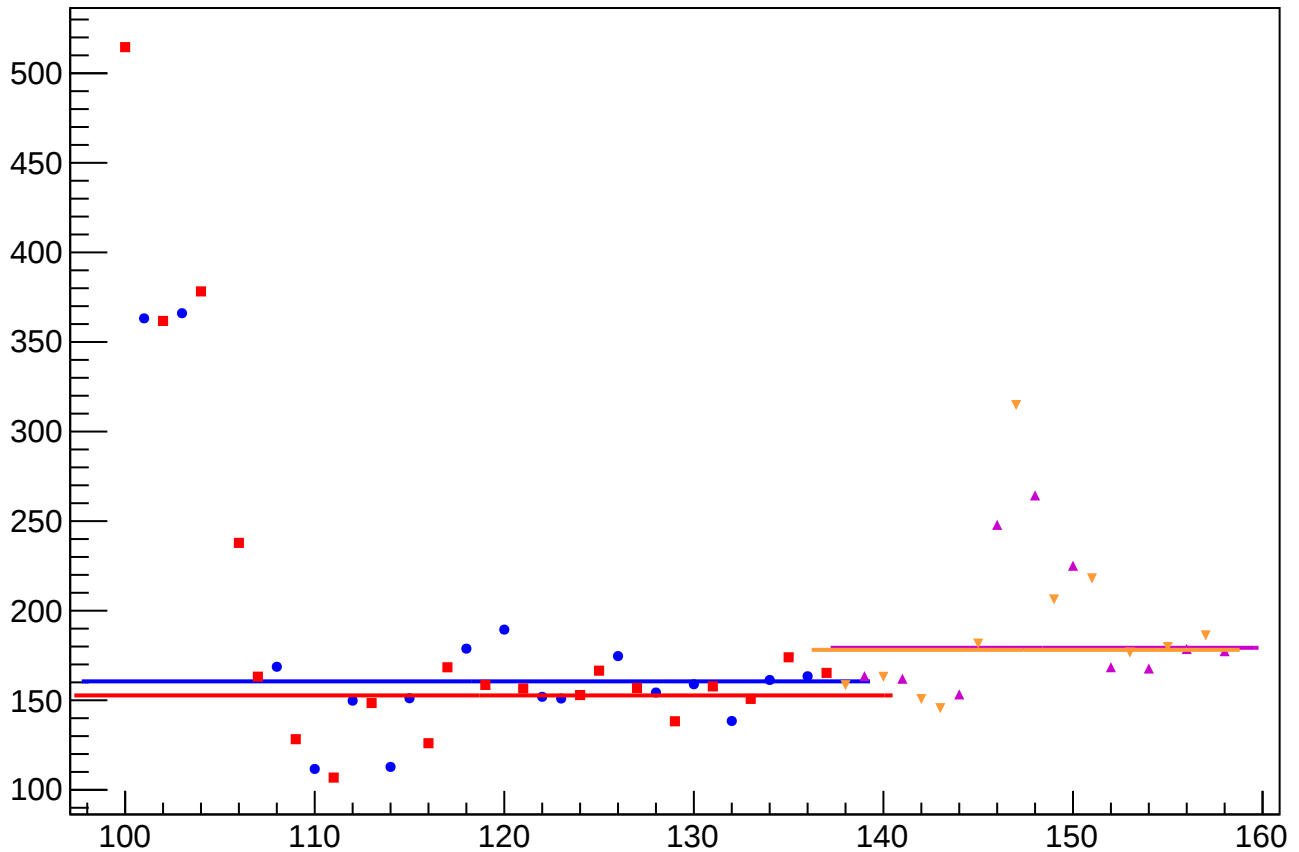
Right Out: 127444.472 ± 0.061 $\chi^2/\text{NDF}: 2082646787.7/19$

Left In: 130081.326 ± 0.064 $\chi^2/\text{NDF}: 836738491.3/9$

128675.410 ± 0.046 $\chi^2/\text{NDF}: 3899361518.4/27$

128698.628 ± 0.044 $\chi^2/\text{NDF}: 3797013992.8/29$

yield_bpm0l05WS_rms vs Slug



Right In: 160.564+/-0.047 χ^2/NDF : 942747.0/16

Left Out: 178.153+/-0.046 χ^2/NDF : 502476.9/10

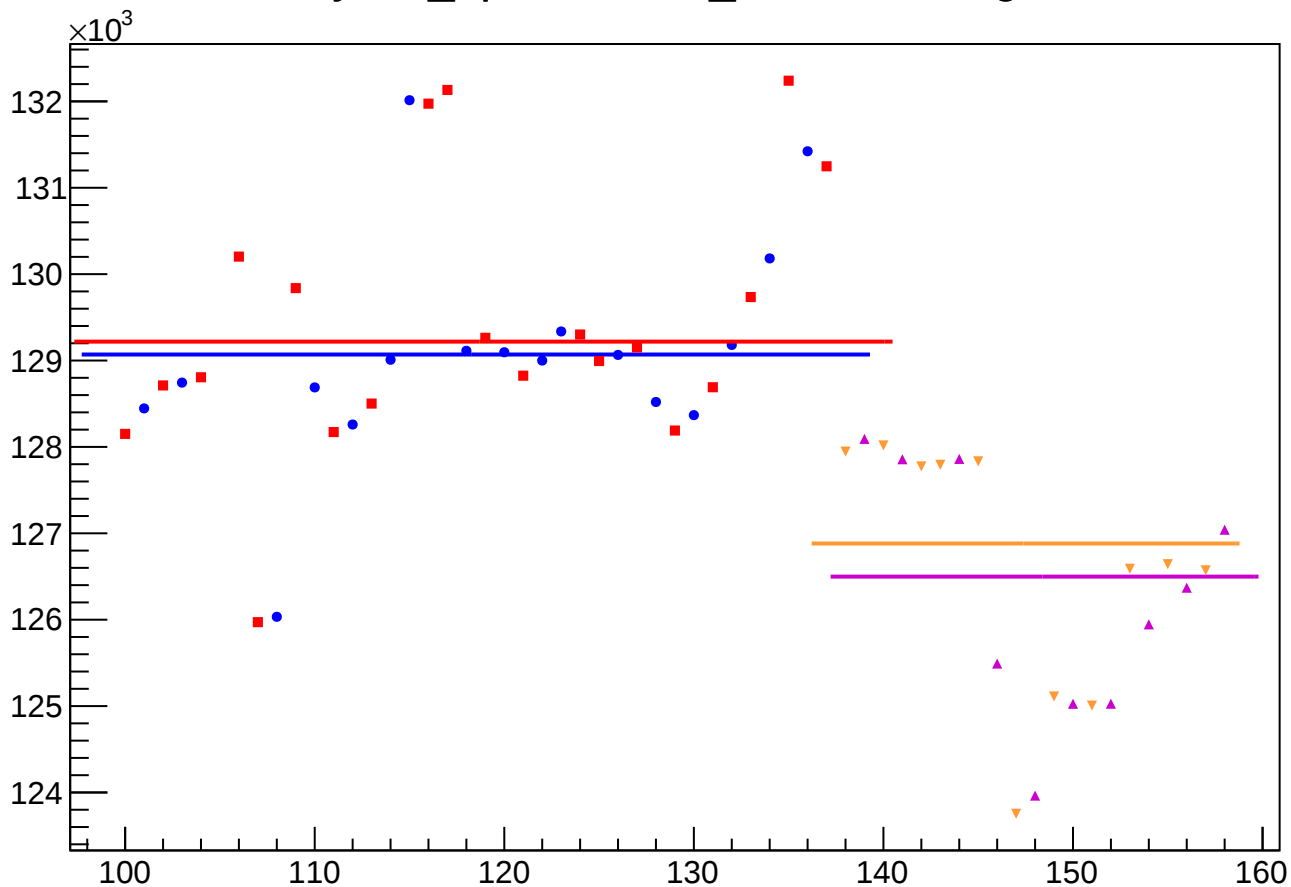
Right Out: 152.711+/-0.043 χ^2/NDF : 1087186.3/19

Left In: 179.303+/-0.046 χ^2/NDF : 446411.5/9

169.610+/-0.033 χ^2/NDF : 1517613.2/27

165.359+/-0.031 χ^2/NDF : 1712119.9/29

yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 ± 0.060 $\chi^2/\text{NDF}: 476692316.5/16$

Left Out: 126882.045 ± 0.061 $\chi^2/\text{NDF}: 404460987.1/10$

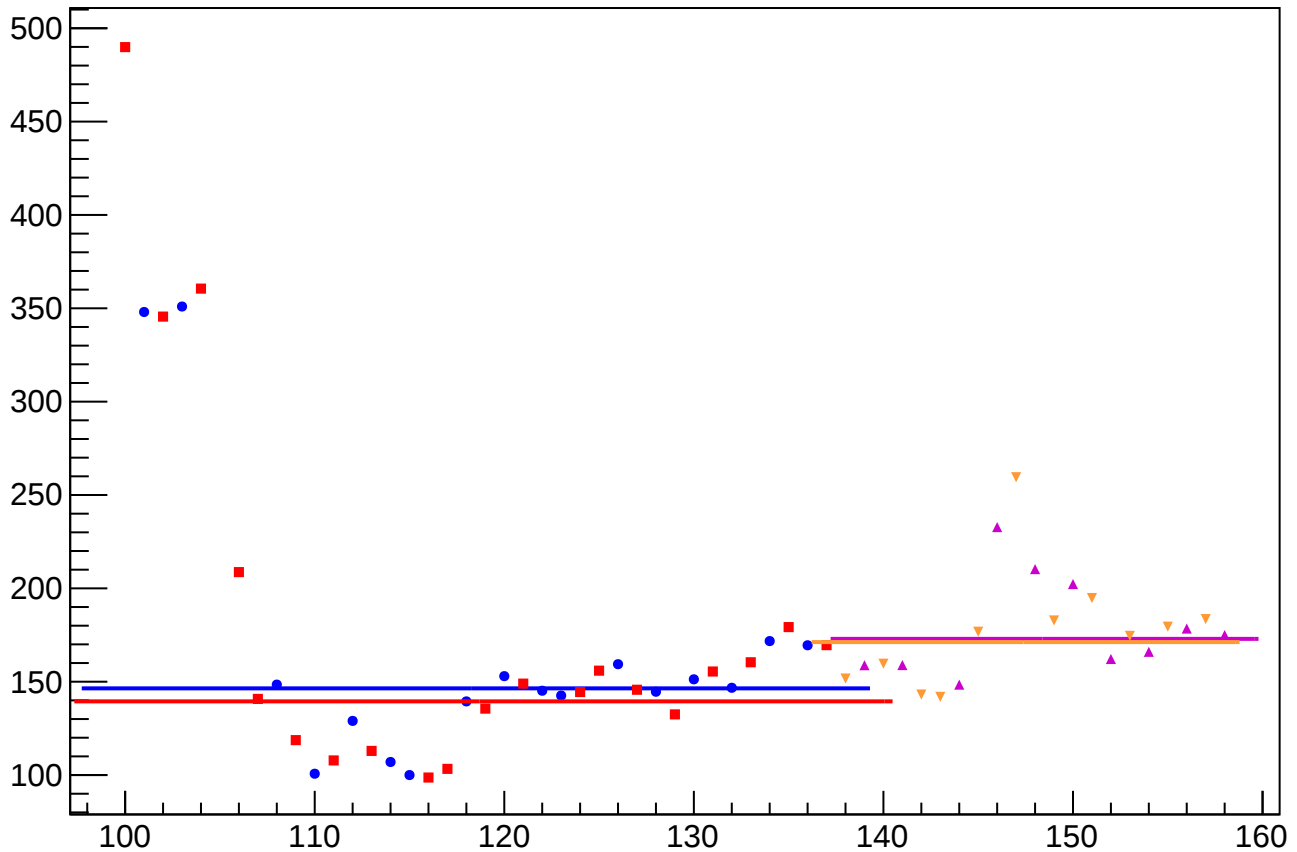
Right Out: 129219.072 ± 0.056 $\chi^2/\text{NDF}: 660468184.1/19$

Left In: 126498.672 ± 0.062 $\chi^2/\text{NDF}: 457022581.3/9$

127997.894 ± 0.043 $\chi^2/\text{NDF}: 1528765138.1/27$

127997.690 ± 0.041 $\chi^2/\text{NDF}: 2187036856.7/29$

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 ± 0.043 χ^2/NDF : 1064791.0/16

Left Out: 171.217 ± 0.043 χ^2/NDF : 340433.3/10

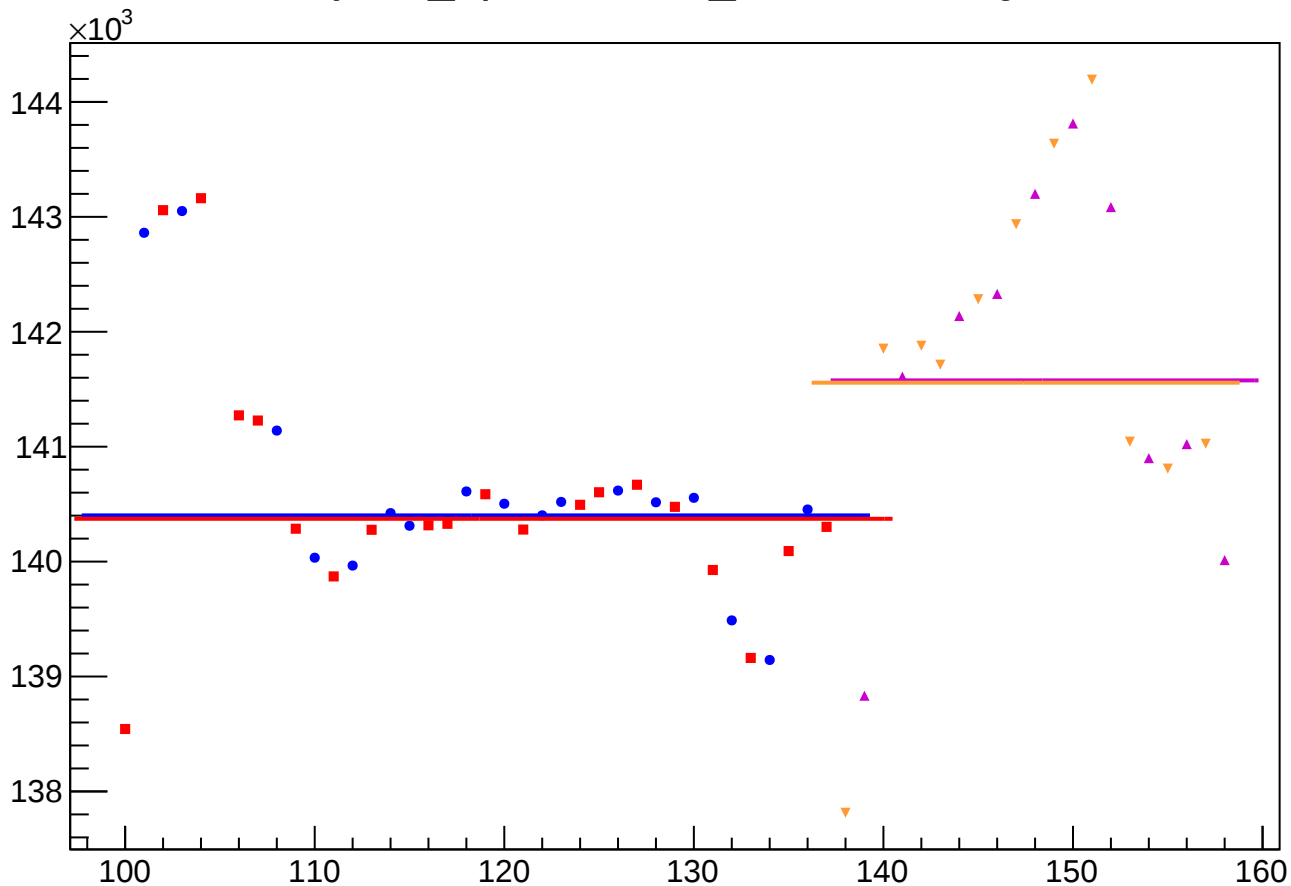
Right Out: 139.468 ± 0.039 χ^2/NDF : 1214310.8/19

Left In: 172.949 ± 0.044 χ^2/NDF : 270497.2/9

158.577 ± 0.030 χ^2/NDF : 1571406.0/27

154.500 ± 0.029 χ^2/NDF : 1808825.5/29

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 $\pm$ 0.064 χ^2 /NDF: 88071774.7/16

Left Out: 141556.980 $\pm$ 0.071 χ^2 /NDF: 556014152.0/10

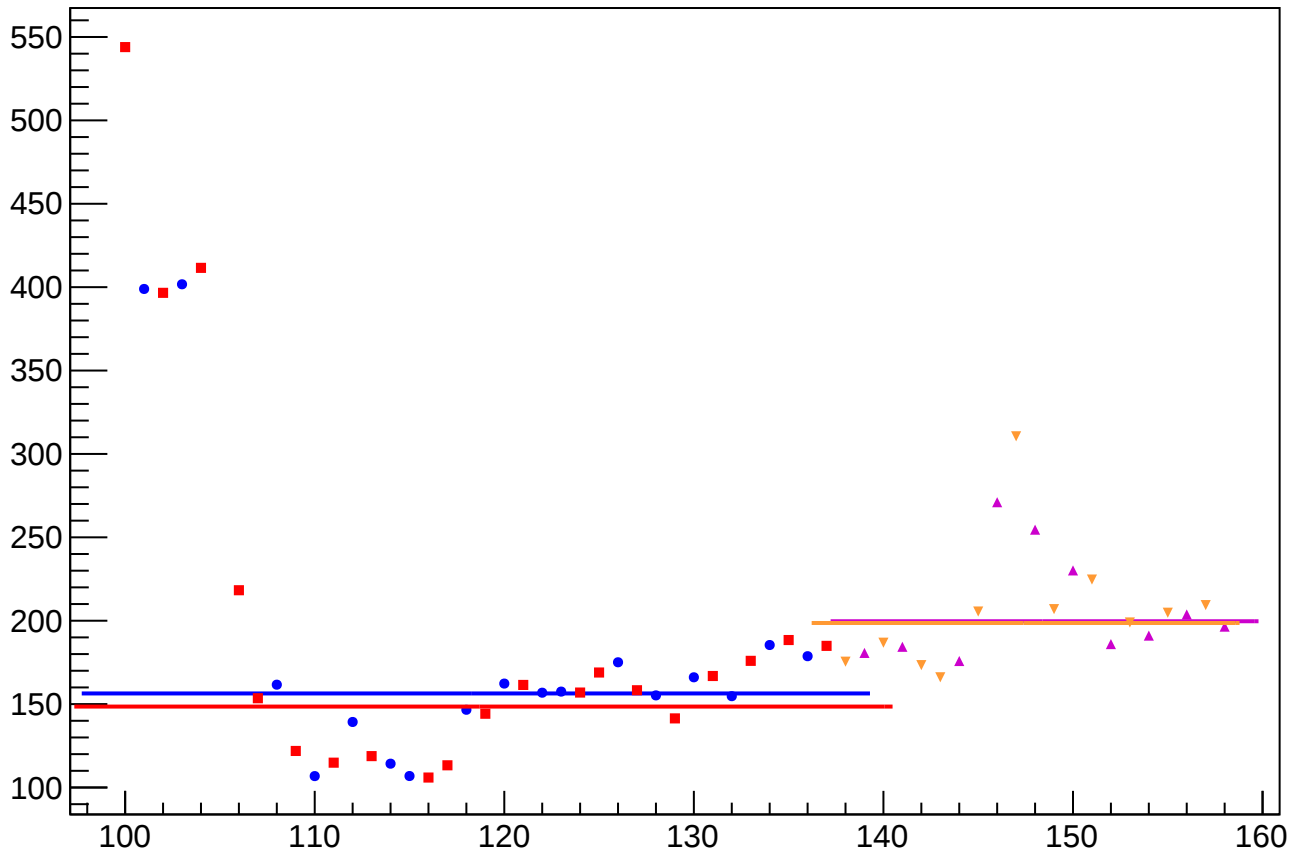
Right Out: 140372.636 $\pm$ 0.059 χ^2 /NDF: 99861038.9/19

Left In: 141576.894 $\pm$ 0.071 χ^2 /NDF: 402911130.1/9

140919.412 $\pm$ 0.048 χ^2 /NDF: 788407591.2/27

140865.903 $\pm$ 0.046 χ^2 /NDF: 670603758.9/29

yield_bpm0l07WS_rms vs Slug



Right In: 156.394+/-0.046 χ^2/NDF : 1154804.2/16

Left Out: 198.643+/-0.051 χ^2/NDF : 329985.0/10

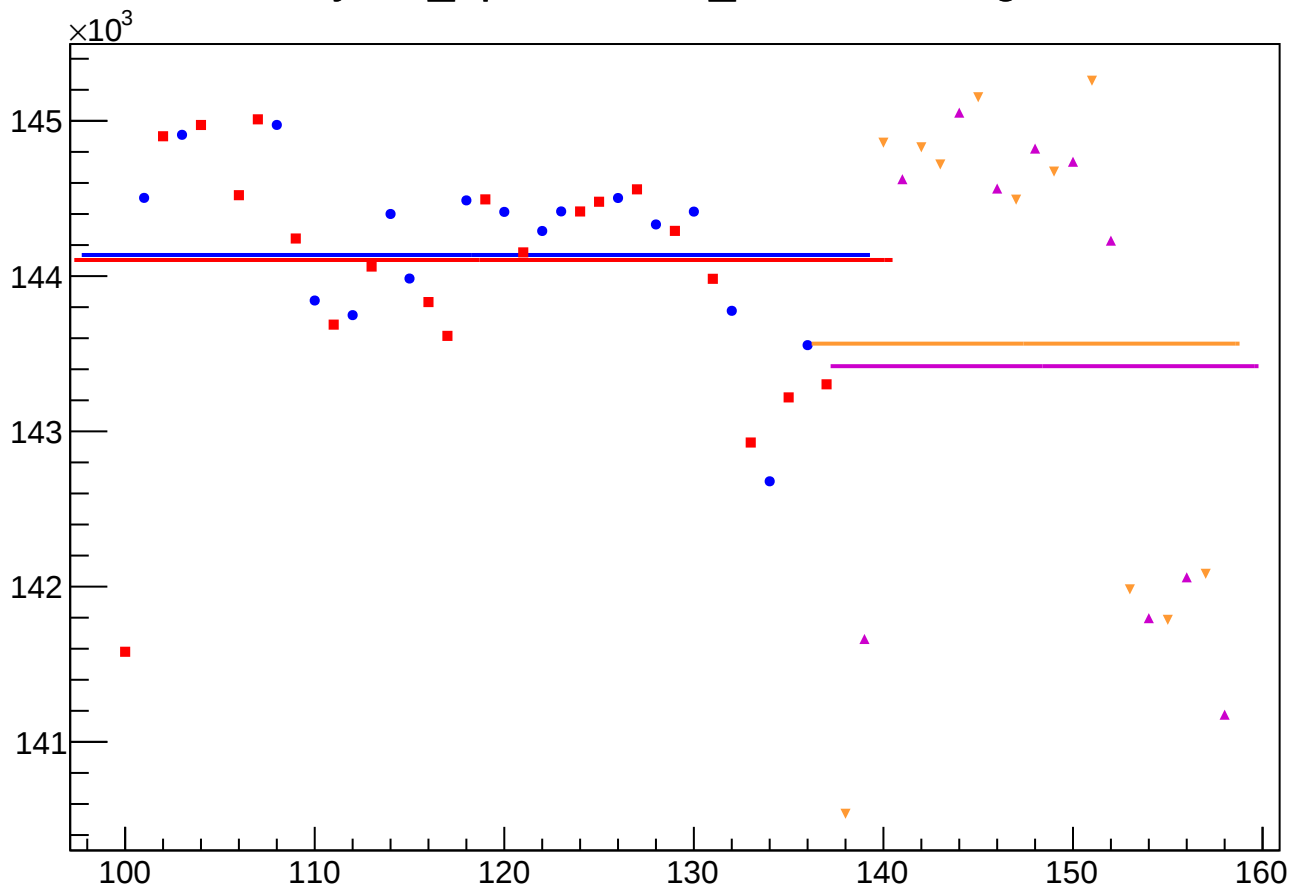
175.320+/-0.034 χ^2/NDF : 1871031.0/27

Right Out: 148.524+/-0.042 χ^2/NDF : 1316113.9/19

169.478+/-0.032 χ^2/NDF : 2203430.6/29

Left In: 199.682+/-0.051 χ^2/NDF : 281575.0/9

yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 $\pm$ 0.067 χ^2 /NDF: 47069480.3/16

Left Out: 143565.043 $\pm$ 0.071 χ^2 /NDF: 567443380.9/10

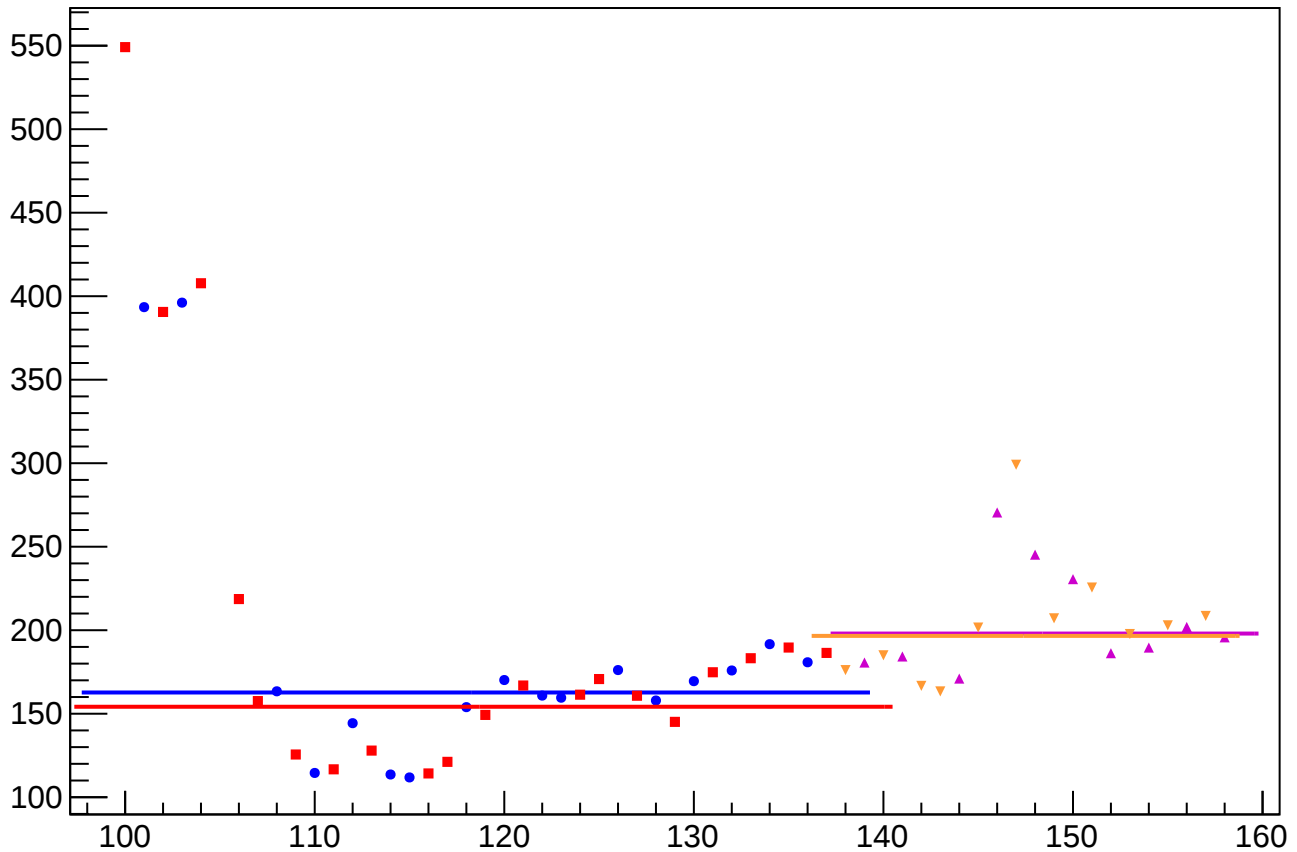
Right Out: 144103.887 $\pm$ 0.062 χ^2 /NDF: 65973087.5/19

Left In: 143419.899 $\pm$ 0.071 χ^2 /NDF: 460282447.5/9

143866.590 $\pm$ 0.049 χ^2 /NDF: 649038521.3/27

143809.735 $\pm$ 0.046 χ^2 /NDF: 579414138.6/29

yield_bpm0l08WS_rms vs Slug



Right In: 162.714 $\pm$ 0.047 χ^2/NDF : 1066482.0/16

Left Out: 196.608 $\pm$ 0.050 χ^2/NDF : 324906.6/10

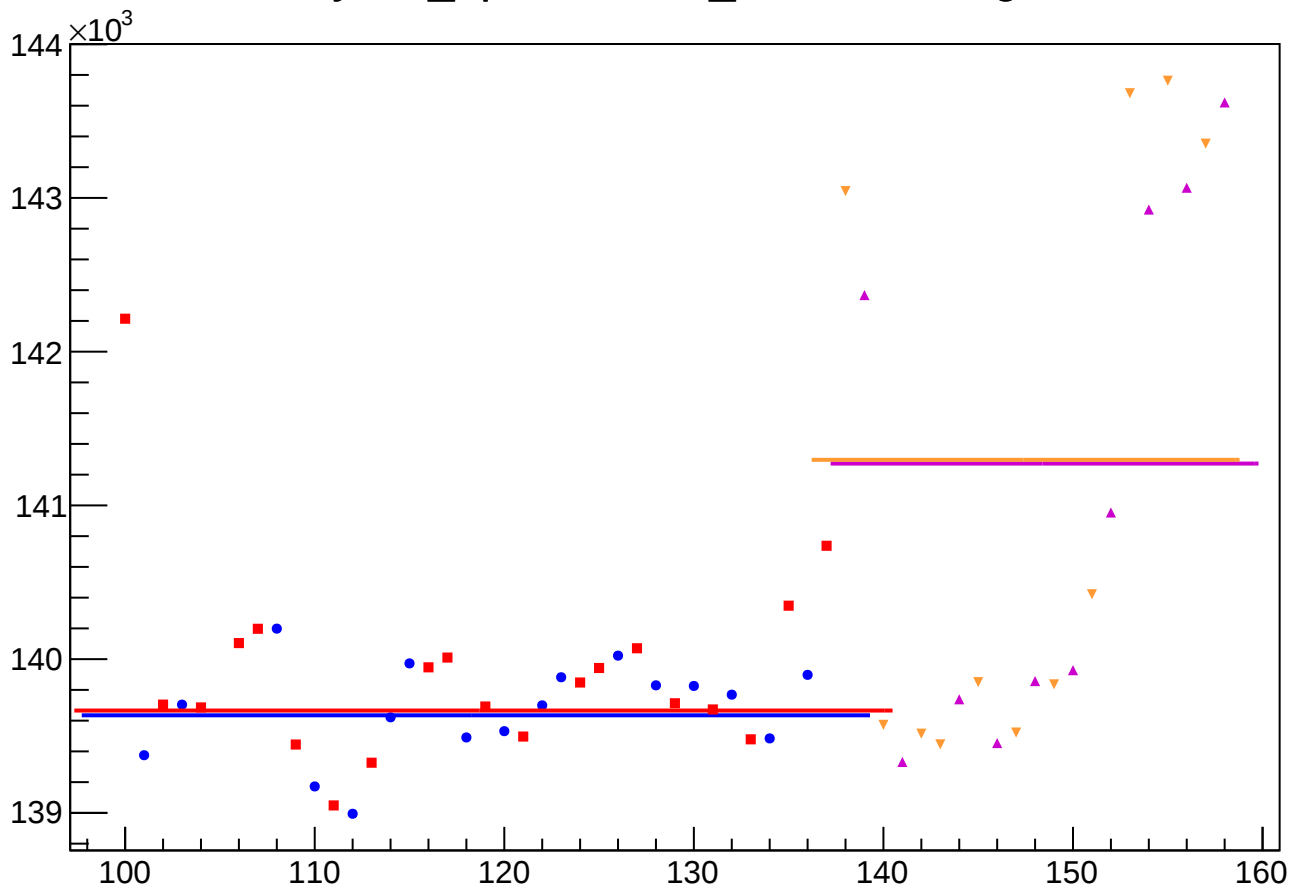
Right Out: 154.174 $\pm$ 0.044 χ^2/NDF : 1224004.2/19

Left In: 197.999 $\pm$ 0.050 χ^2/NDF : 278032.5/9

178.711 $\pm$ 0.034 χ^2/NDF : 1634627.1/27

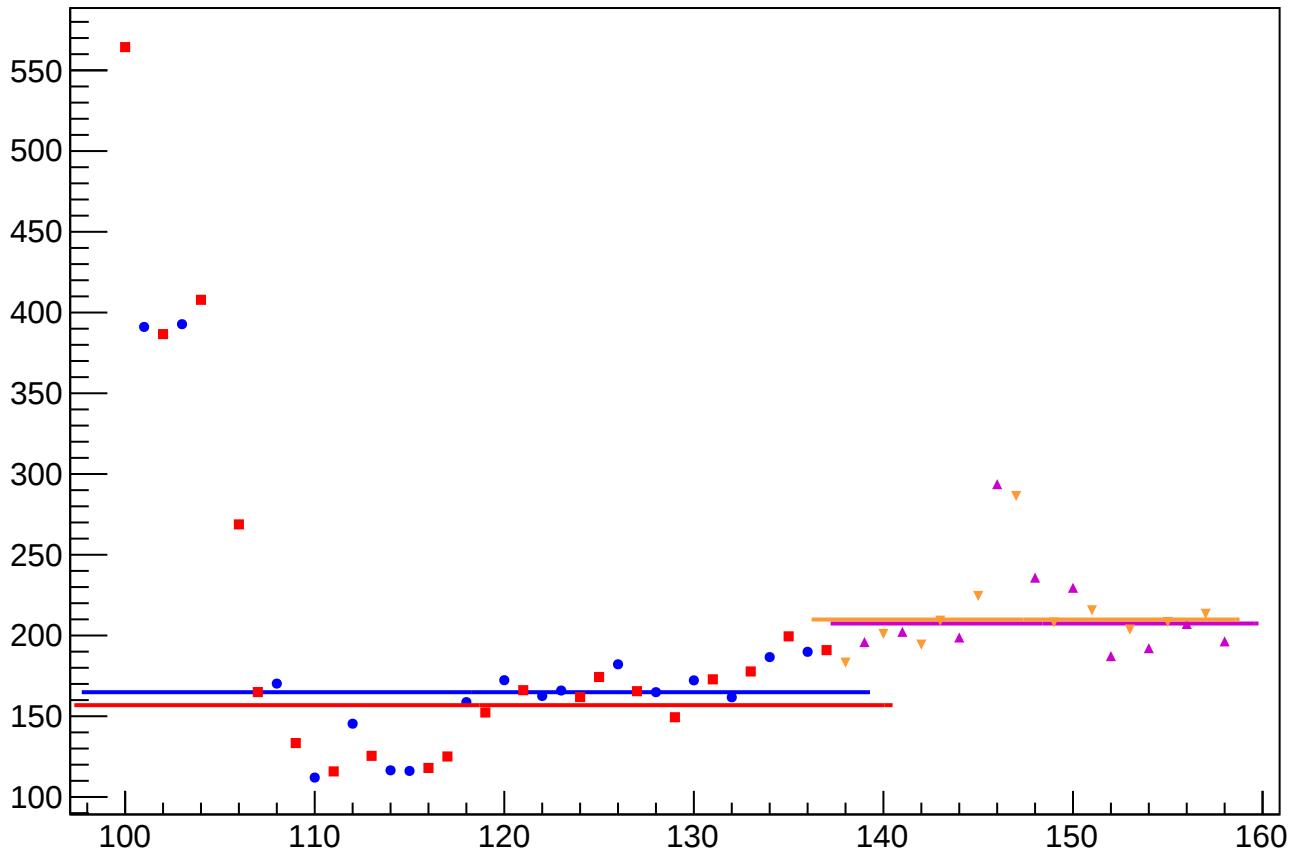
173.021 $\pm$ 0.033 χ^2/NDF : 1938508.1/29

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700 ± 0.068 χ^2/NDF : 24844912.0/16
 Left Out: 141296.611 ± 0.075 χ^2/NDF : 603070318.8/10
 Right Out: 139665.743 ± 0.063 χ^2/NDF : 38703726.2/19
 Left In: 141272.137 ± 0.074 χ^2/NDF : 470839962.3/9

yield_bpm0l09WS_rms vs Slug



Right In: 164.884+/-0.048 χ^2/NDF : 1066270.8/16

Left Out: 209.901+/-0.053 χ^2/NDF : 158979.0/10

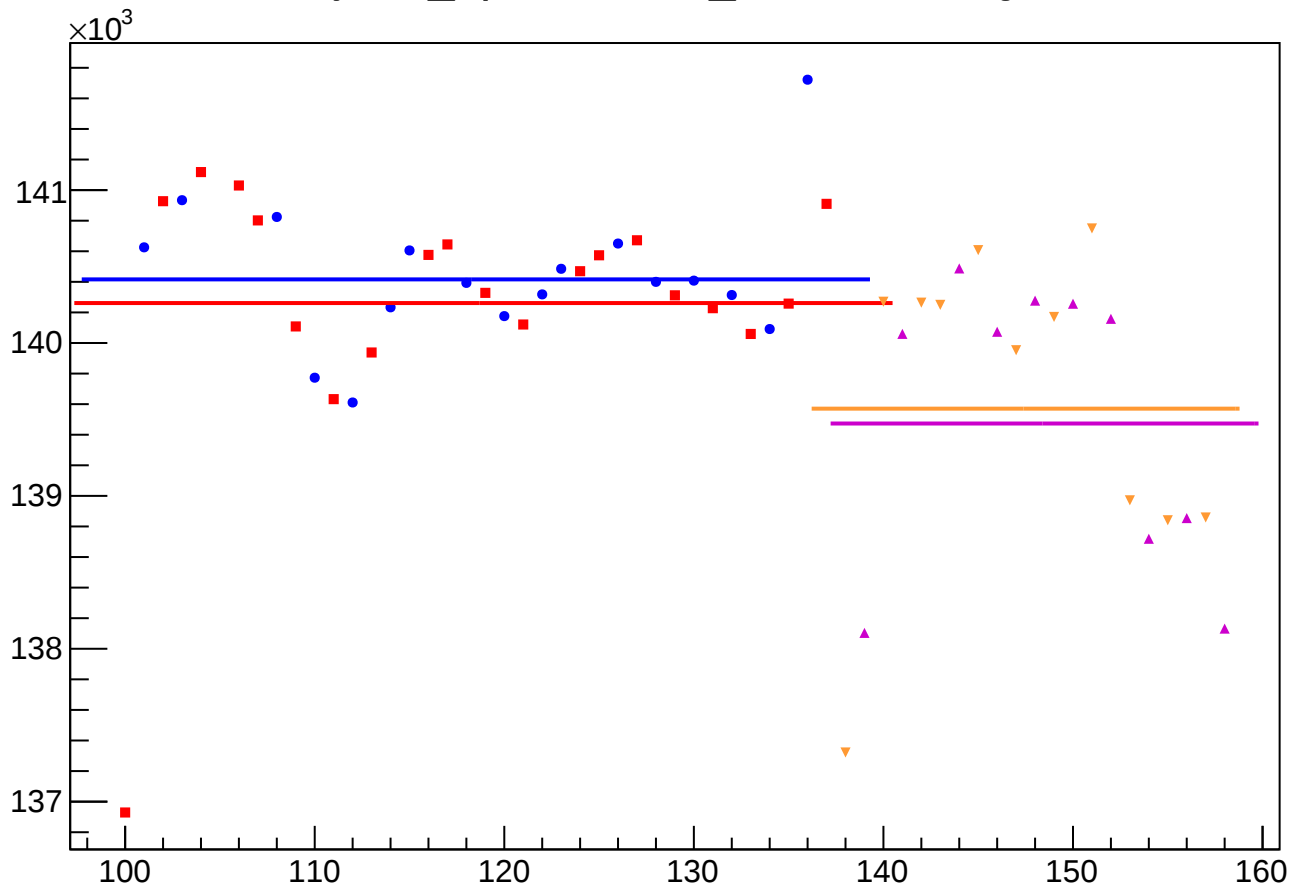
185.173+/-0.036 χ^2/NDF : 1622897.3/27

Right Out: 156.859+/-0.044 χ^2/NDF : 1250656.2/19

177.969+/-0.034 χ^2/NDF : 2009672.5/29

Left In: 207.432+/-0.052 χ^2/NDF : 215803.7/9

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 ± 0.068 $\chi^2/\text{NDF}: 69975821.3/16$

Left Out: 139570.558 ± 0.069 $\chi^2/\text{NDF}: 232589379.7/10$

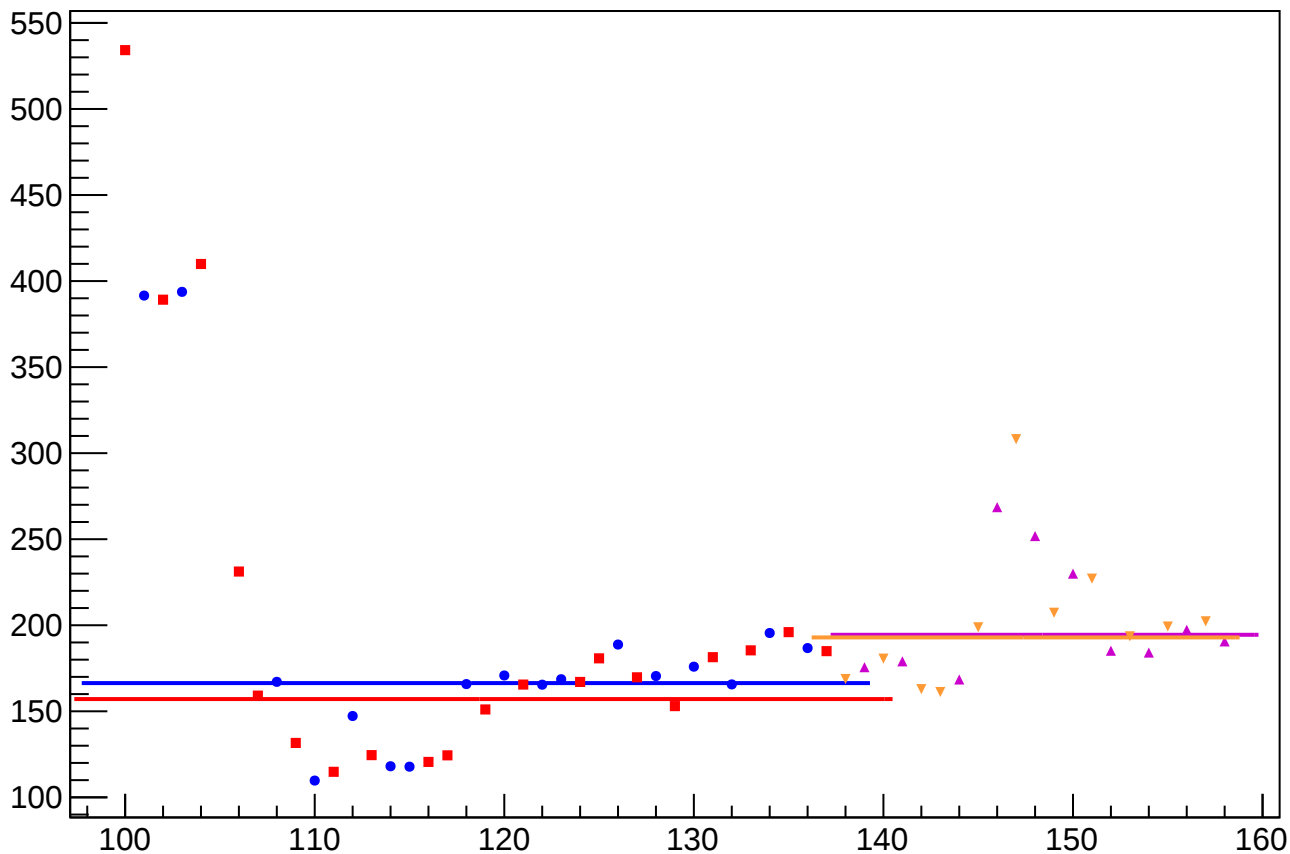
Right Out: 140261.267 ± 0.063 $\chi^2/\text{NDF}: 38479140.4/19$

Left In: 139473.374 ± 0.070 $\chi^2/\text{NDF}: 175039505.0/9$

139999.100 ± 0.049 $\chi^2/\text{NDF}: 377931958.1/27$

139907.649 ± 0.047 $\chi^2/\text{NDF}: 284176278.6/29$

yield_bpm0l10WS_rms vs Slug



Right In: 166.388 ± 0.048 χ^2/NDF : 1080964.8/16

Left Out: 192.921 ± 0.049 χ^2/NDF : 380841.3/10

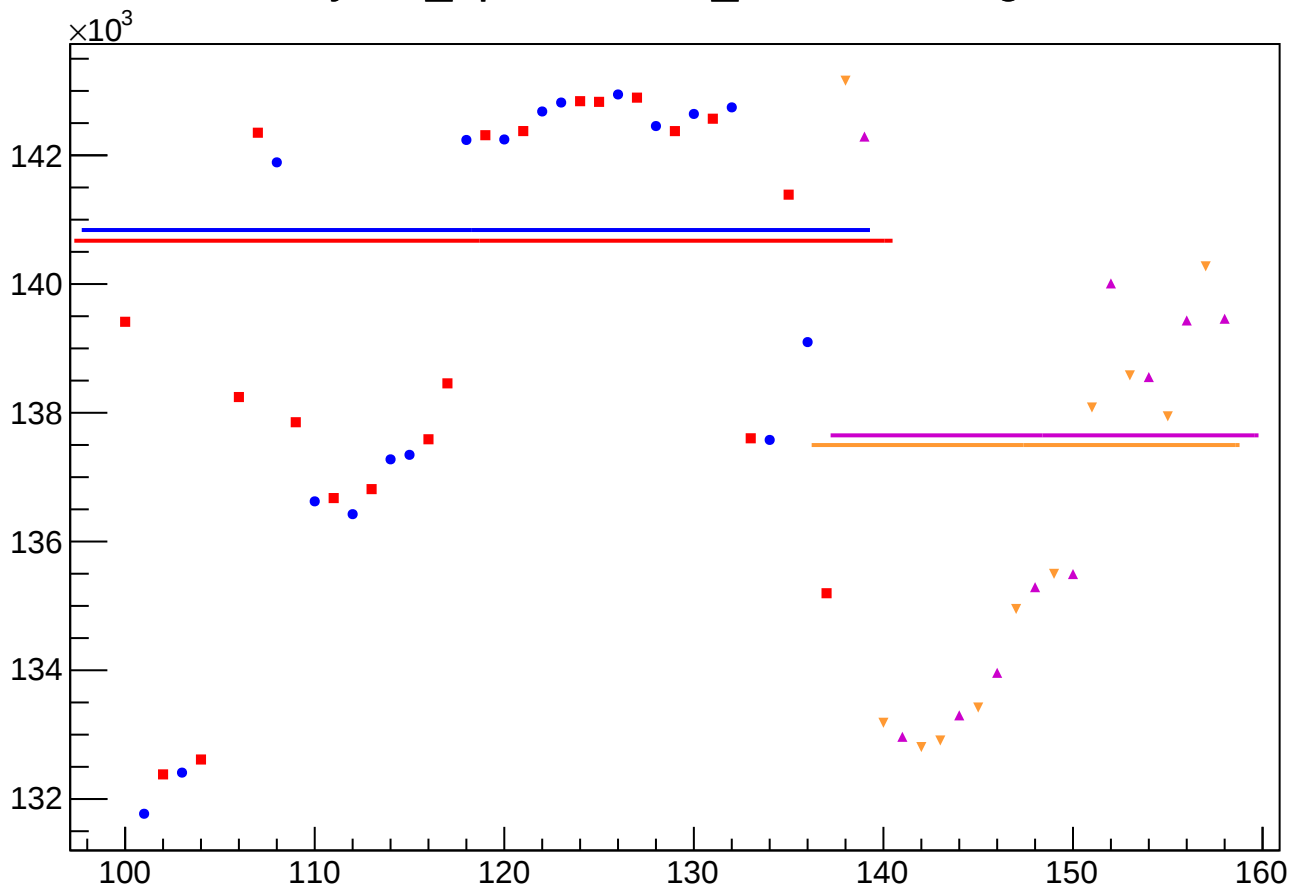
Right Out: 157.110 ± 0.044 χ^2/NDF : 1235934.7/19

Left In: 194.460 ± 0.049 χ^2/NDF : 319087.0/9

179.473 ± 0.034 χ^2/NDF : 1610245.1/27

173.873 ± 0.033 χ^2/NDF : 1872573.2/29

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 $\pm$ 0.100 χ^2 /NDF: 822682996.3/16

Left Out: 137498.935 $\pm$ 0.109 χ^2 /NDF: 1166844058.0/10

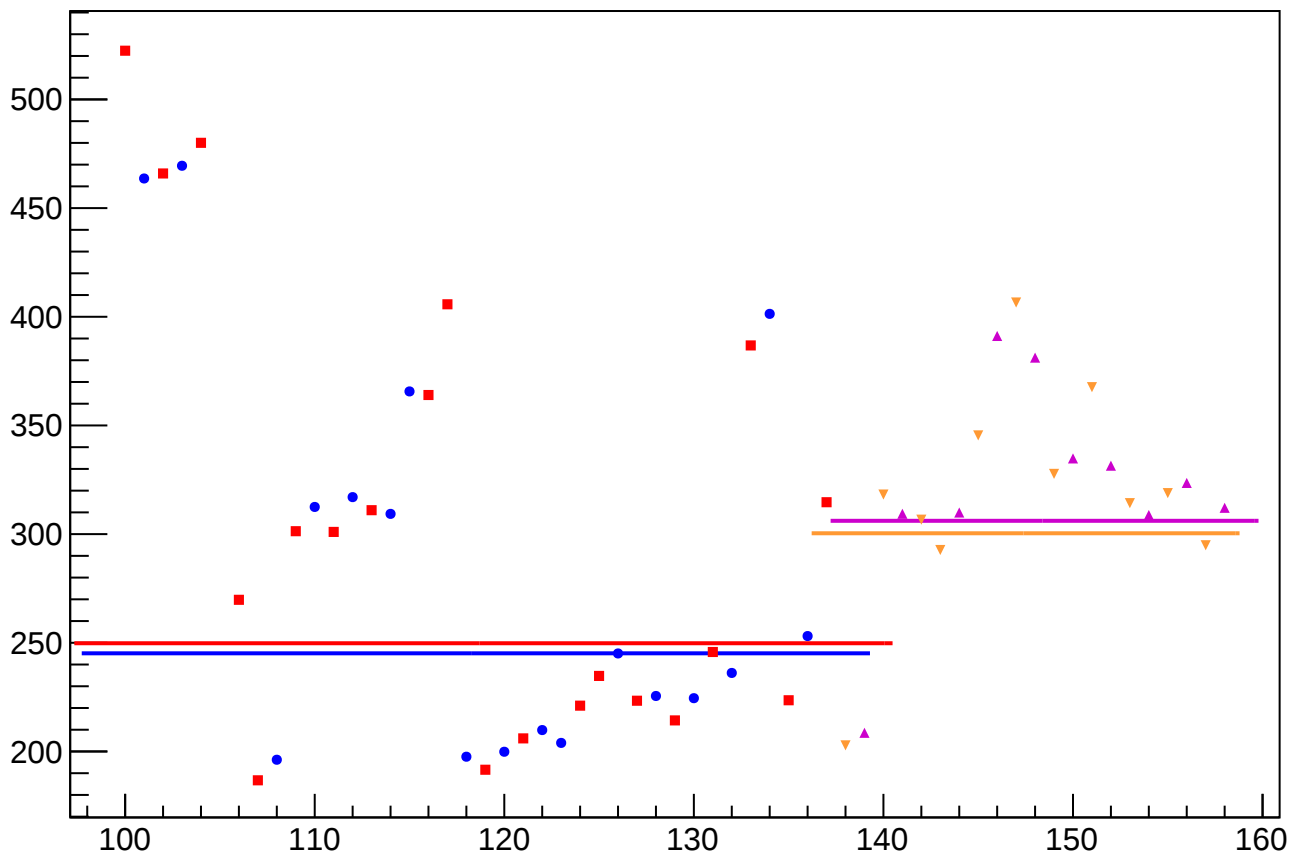
Right Out: 140672.898 $\pm$ 0.099 χ^2 /NDF: 841965357.5/19

Left In: 137649.447 $\pm$ 0.111 χ^2 /NDF: 900666138.1/9

139316.024 $\pm$ 0.074 χ^2 /NDF: 2498156558.9/27

139330.843 $\pm$ 0.074 χ^2 /NDF: 2156841468.7/29

yield_bpm0r03WS_rms vs Slug



Right In: 245.159+/-0.071 χ^2/NDF : 869491.6/16

Left Out: 300.390+/-0.077 χ^2/NDF : 532351.2/10

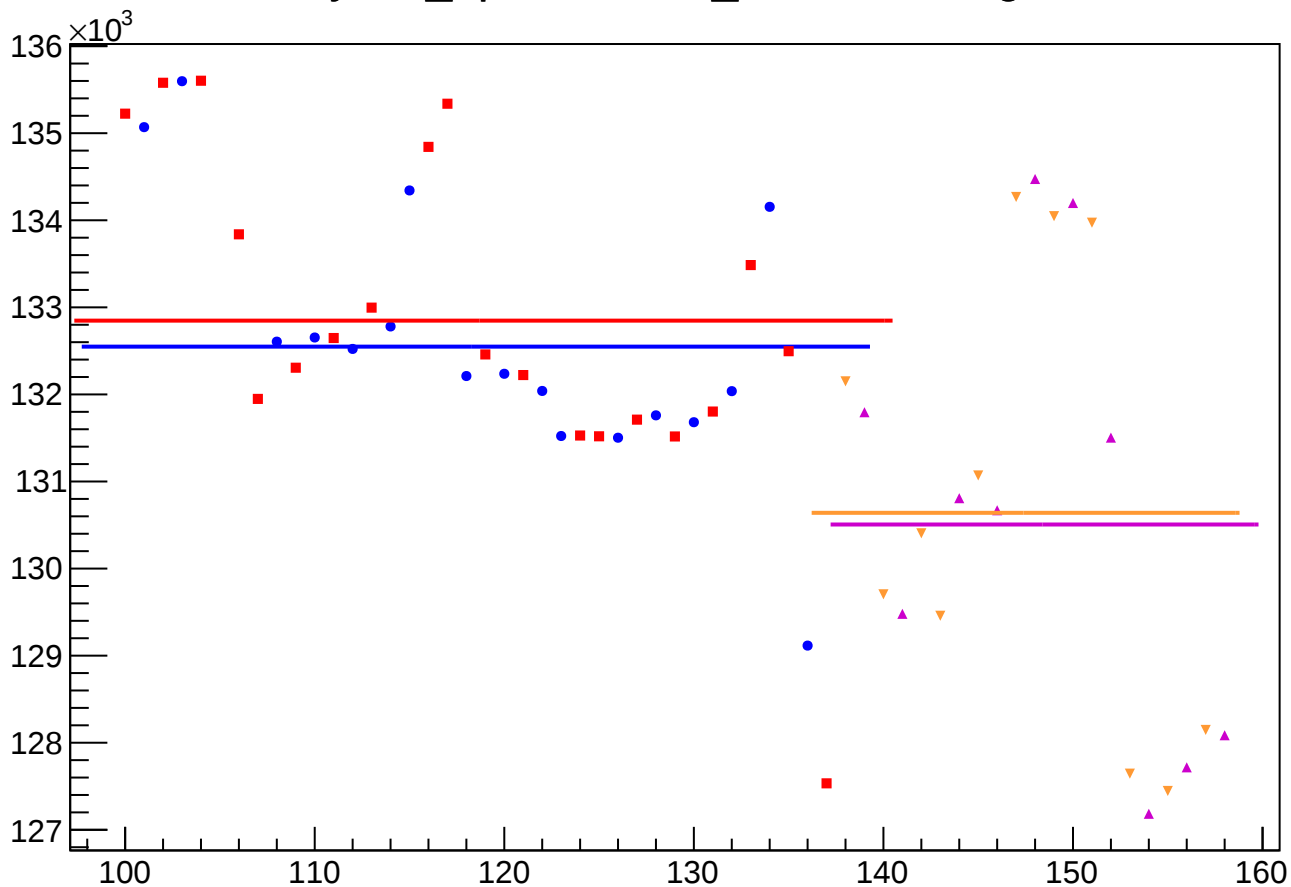
270.344+/-0.052 χ^2/NDF : 1679972.6/27

Right Out: 249.792+/-0.070 χ^2/NDF : 1022316.0/19

274.797+/-0.052 χ^2/NDF : 1754572.6/29

Left In: 306.125+/-0.078 χ^2/NDF : 444666.0/9

yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 $\pm$ 0.119 χ^2 /NDF: 161115079.9/16

Left Out: 130640.358 $\pm$ 0.087 χ^2 /NDF: 514854890.5/10

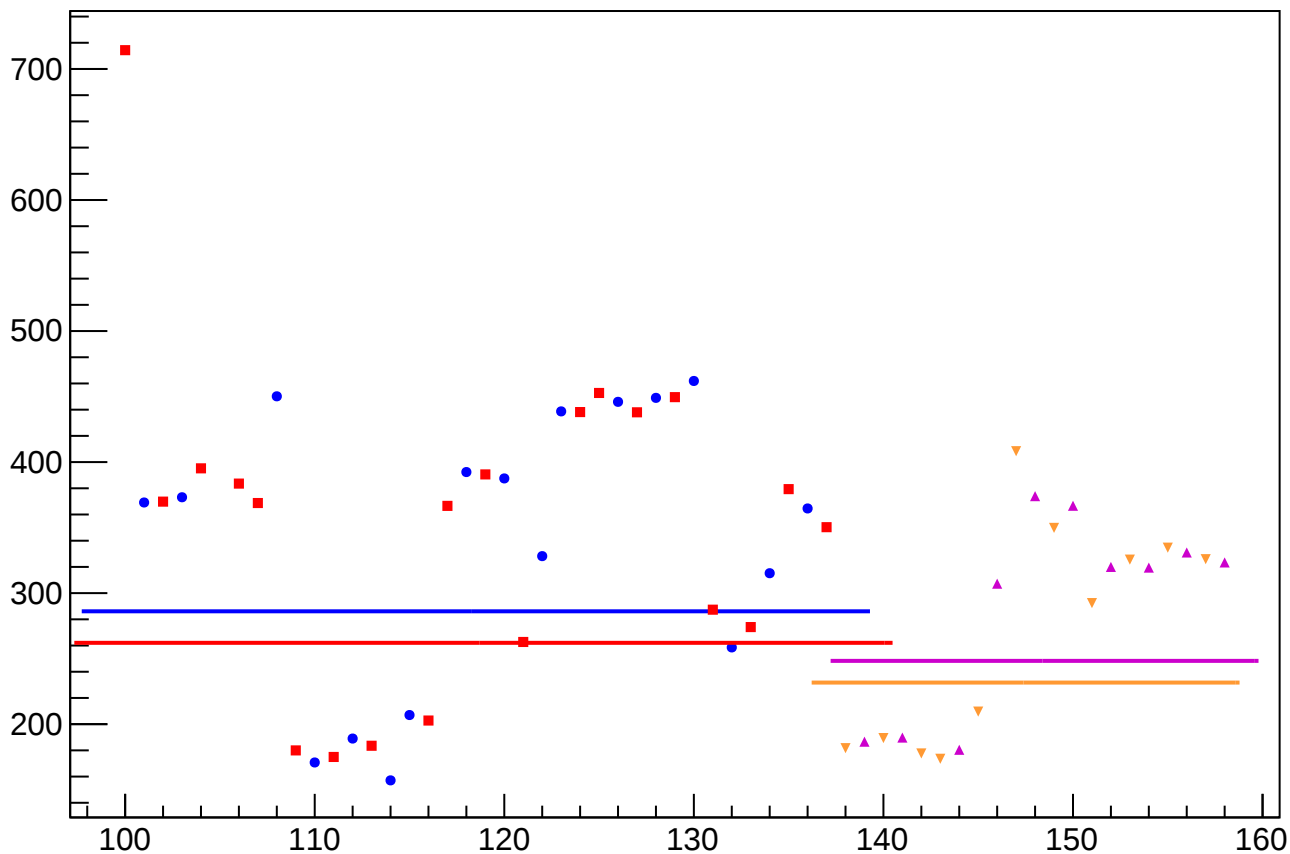
Right Out: 132847.502 $\pm$ 0.107 χ^2 /NDF: 151618589.4/19

Left In: 130506.149 $\pm$ 0.092 χ^2 /NDF: 433061939.5/9

131297.806 $\pm$ 0.070 χ^2 /NDF: 843535554.3/27

131503.388 $\pm$ 0.070 χ^2 /NDF: 860055483.4/29

yield_bpm0r05WS_rms vs Slug



Right In: 286.122+/-0.084 χ^2/NDF : 1525266.4/16

Left Out: 231.742+/-0.061 χ^2/NDF :1354344.8/10

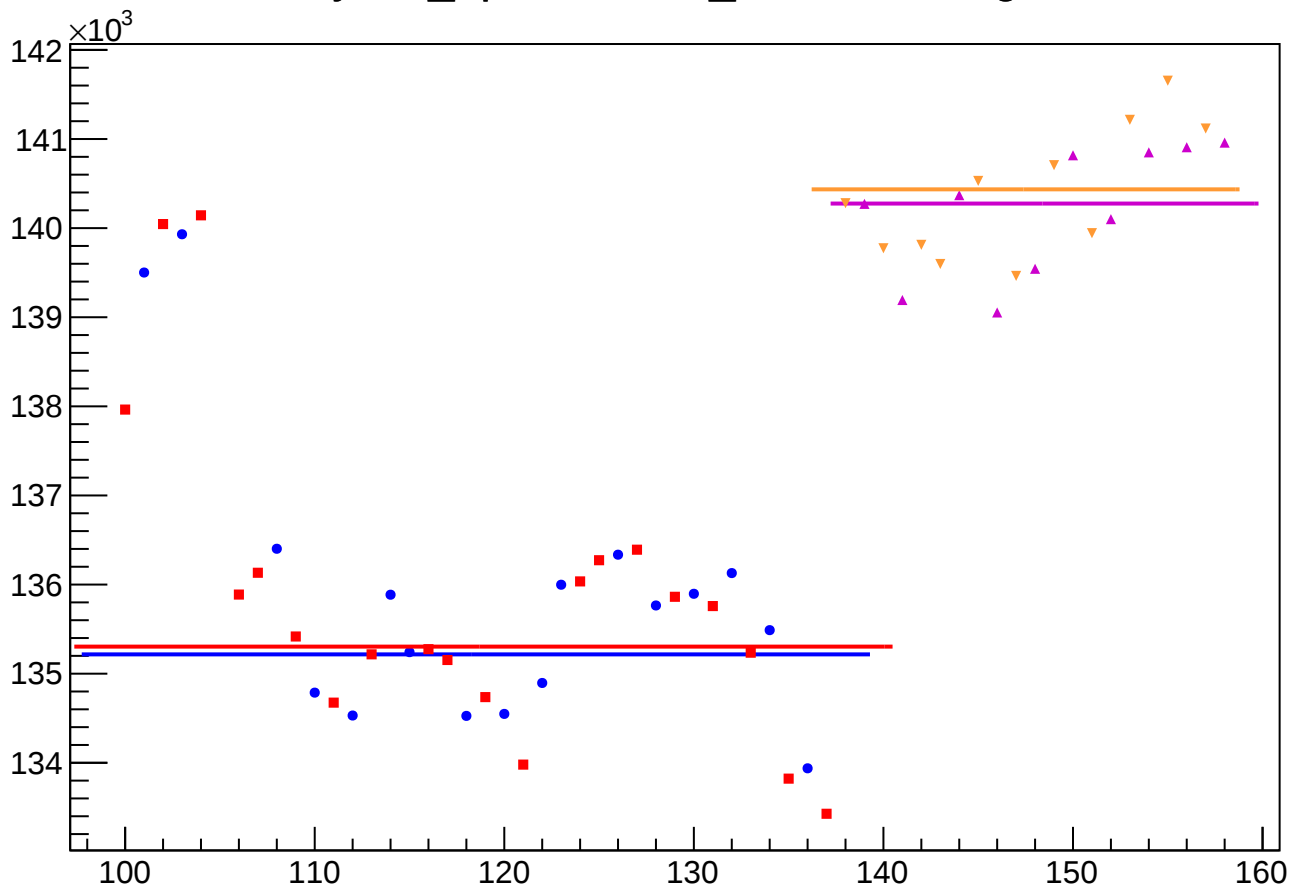
Right Out: 262.073+/-0.076 χ^2/NDF : 1630239.5/19

Left In: 248.297+/-0.065 χ^2/NDF :1296442.0/9

250.475+/-0.050 χ^2/NDF : 3151690.3/27

254.164+/-0.049 χ^2/NDF : 2945746.1/29

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 $\pm$ 0.054 χ^2 /NDF: 371347707.3/16

Left Out: 140435.147 $\pm$ 0.065 χ^2 /NDF: 117086862.1/10

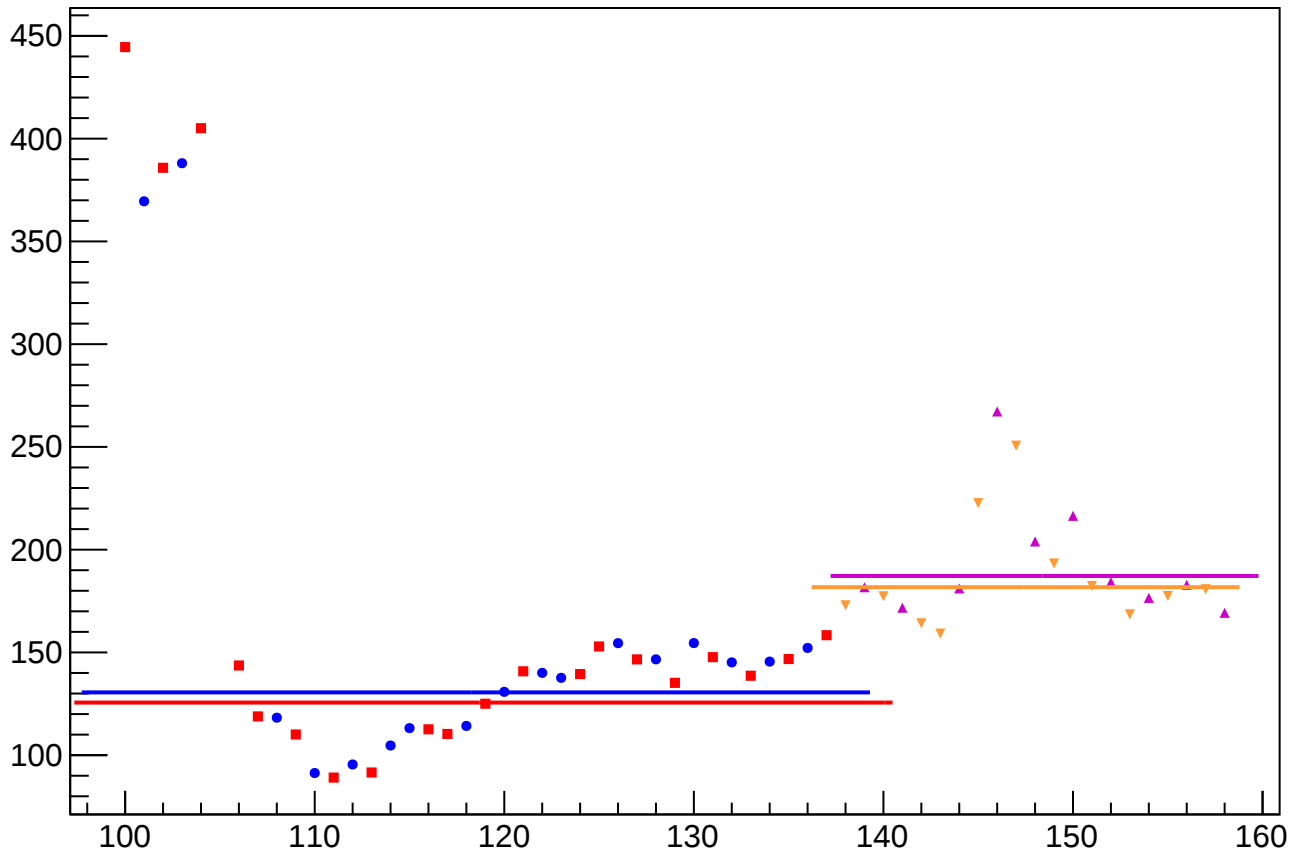
Right Out: 135303.736 $\pm$ 0.051 χ^2 /NDF: 357717935.5/19

Left In: 140275.706 $\pm$ 0.067 χ^2 /NDF: 96167135.7/9

137357.216 $\pm$ 0.042 χ^2 /NDF: 4269341701.1/27

137123.897 $\pm$ 0.041 χ^2 /NDF: 3946241768.3/29

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 ± 0.038 χ^2/NDF : 1373104.9/16

Left Out: 181.744 ± 0.046 χ^2/NDF : 217863.0/10

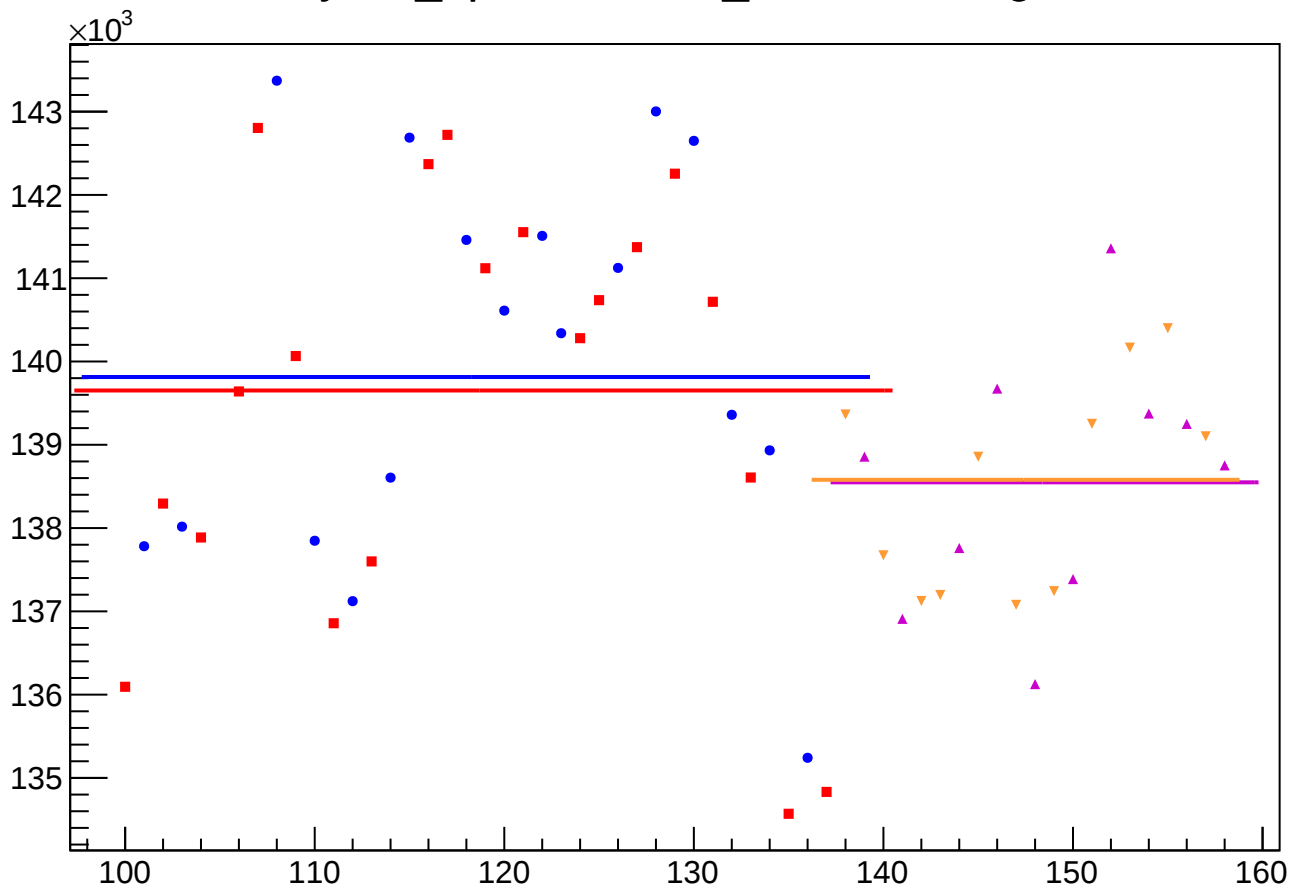
151.550 ± 0.030 χ^2/NDF : 2318630.0/27

Right Out: 125.603 ± 0.036 χ^2/NDF : 1441677.4/19

148.154 ± 0.029 χ^2/NDF : 2730161.9/29

Left In: 187.202 ± 0.047 χ^2/NDF : 216385.0/9

yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 ± 0.062 χ^2/NDF : 1689865533.6/16

Left Out: 138579.759 ± 0.067 χ^2/NDF : 323429912.3/10

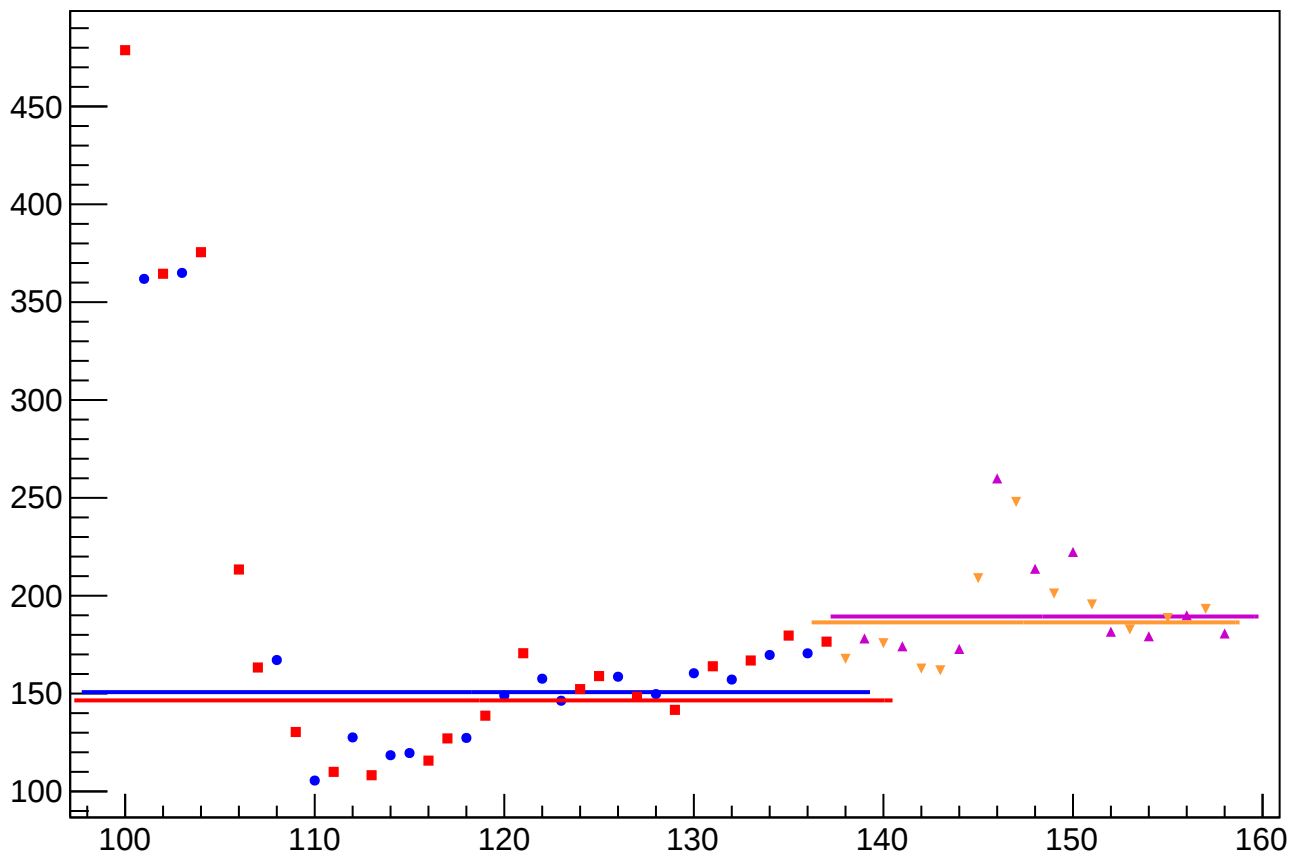
Right Out: 139651.821 ± 0.059 χ^2/NDF : 1531019137.4/19

Left In: 138549.135 ± 0.068 χ^2/NDF : 448316086.5/9

139244.775 ± 0.045 χ^2/NDF : 2196363962.8/27

139178.992 ± 0.044 χ^2/NDF : 2130402736.3/29

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733+/-0.044 χ^2/NDF : 1050071.6/16

Left Out: 186.377+/-0.047 χ^2/NDF :196090.9/10

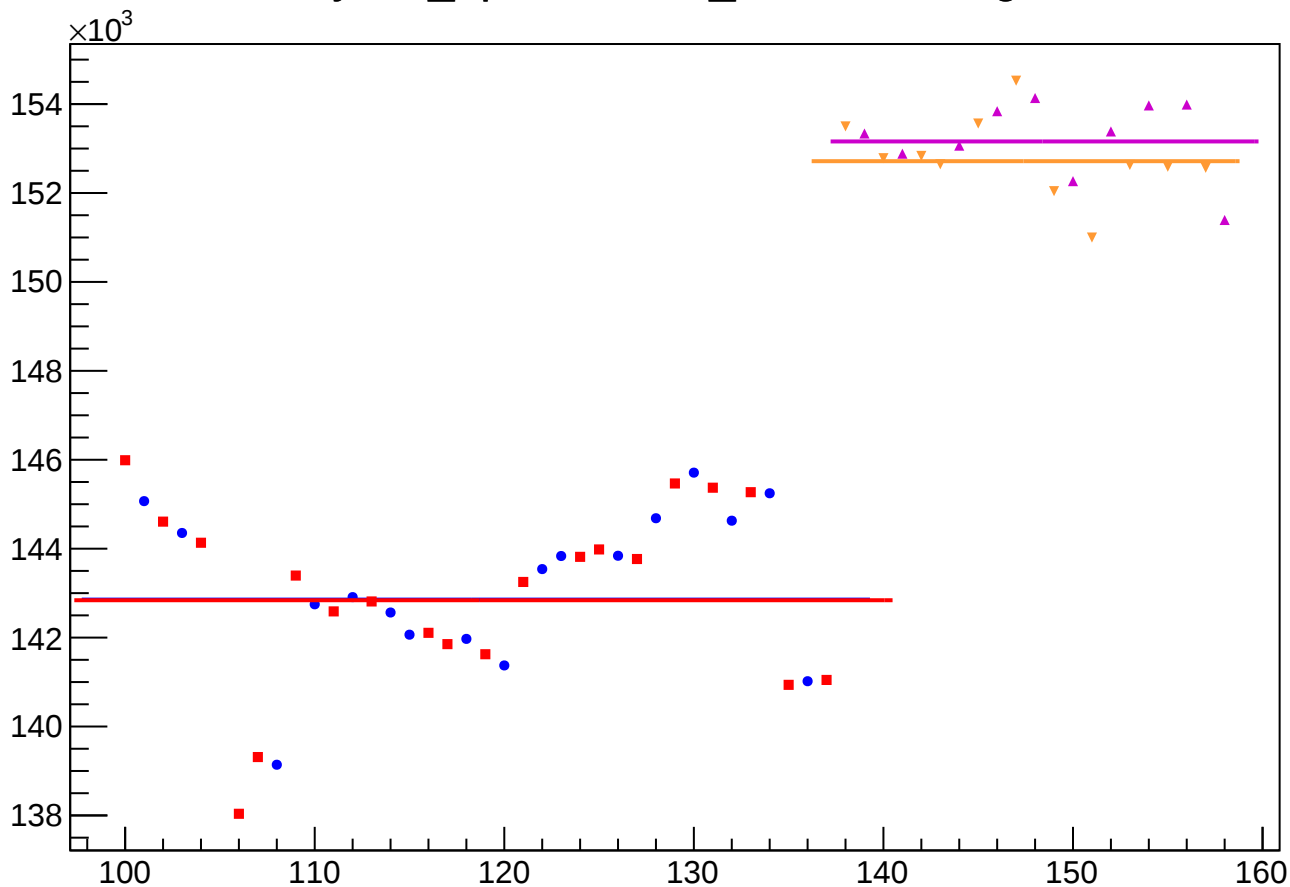
Right Out: 146.506+/-0.042 χ^2/NDF : 1205131.2/19

Left In: 189.372+/-0.048 χ^2/NDF :215200.6/9

167.166+/-0.032 χ^2/NDF : 1551685.6/27

164.887+/-0.031 χ^2/NDF : 1876926.4/29

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065 χ^2 /NDF: 740367386.5/16

Left Out: 152715.830 $\pm$ 0.067 χ^2 /NDF: 138502875.0/10

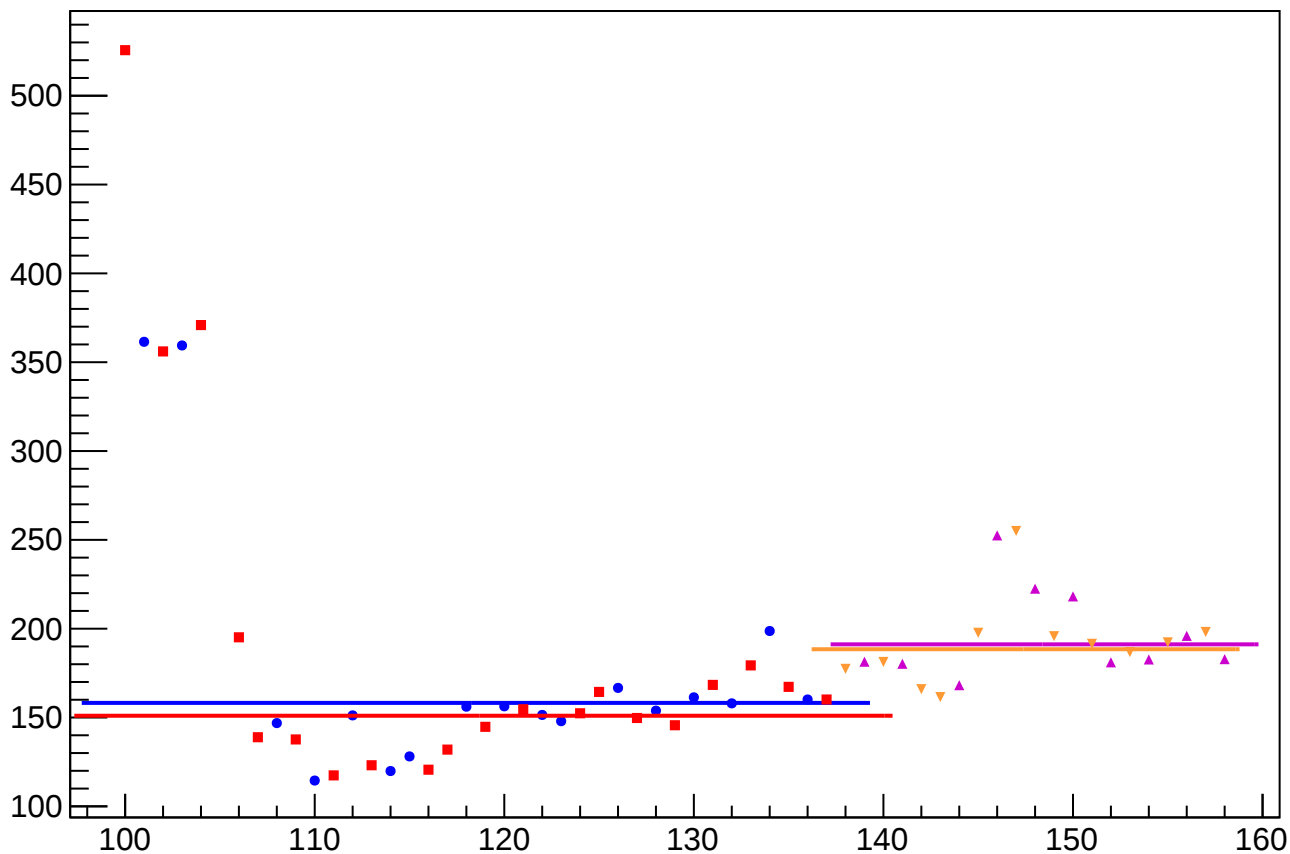
Right Out: 142840.509 $\pm$ 0.060 χ^2 /NDF: 852484333.4/19

Left In: 153159.716 $\pm$ 0.068 χ^2 /NDF: 144587325.1/9

147576.122 $\pm$ 0.047 χ^2 /NDF: 12015492470.5/2

147348.238 $\pm$ 0.045 χ^2 /NDF: 13863686672.3/2

yield_bpm0i05WS_rms vs Slug



Right In: 158.233 ± 0.046 χ^2/NDF : 883513.4/16

Left Out: 188.432 ± 0.048 χ^2/NDF : 174802.6/10

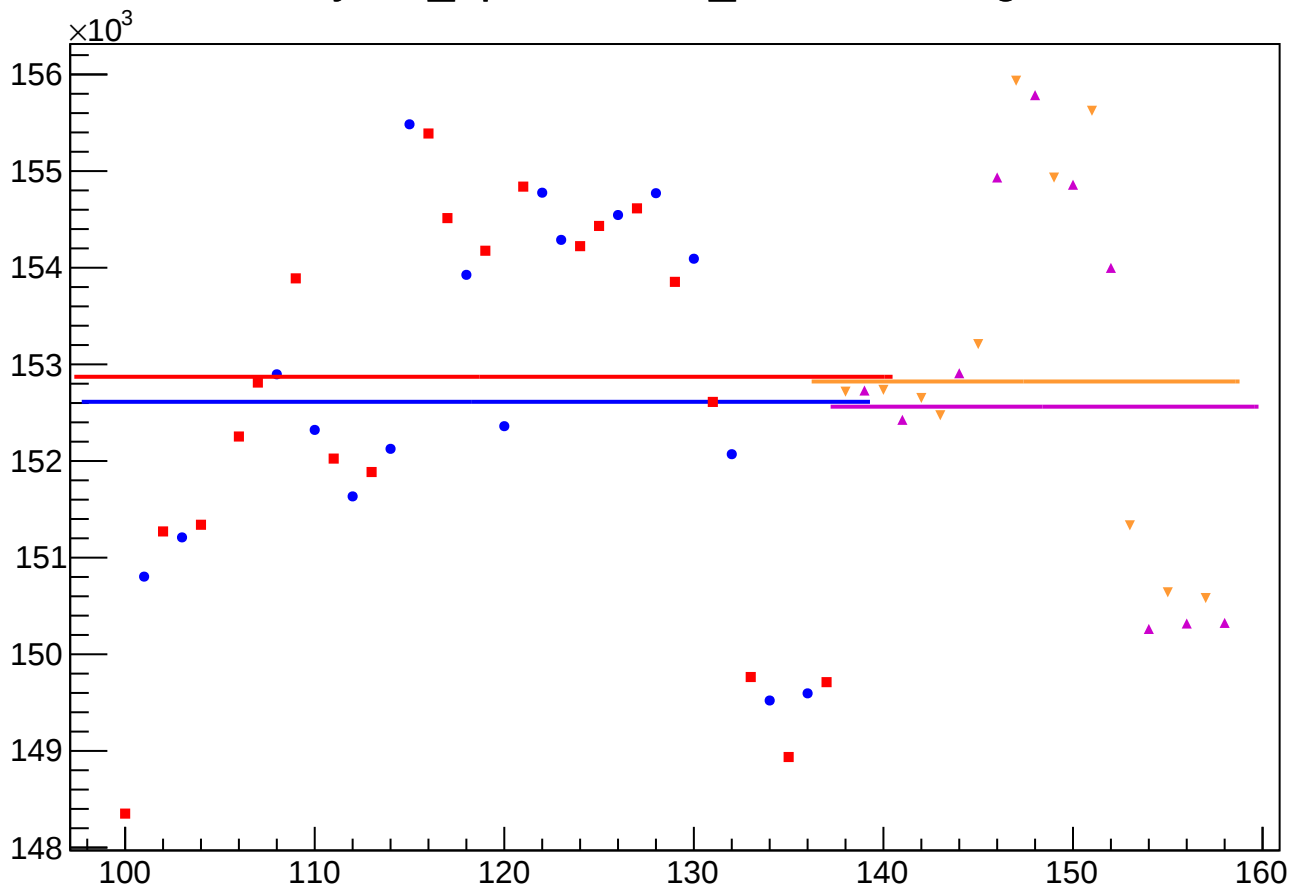
Right Out: 151.003 ± 0.043 χ^2/NDF : 1005104.9/19

Left In: 191.191 ± 0.048 χ^2/NDF : 203759.2/9

172.693 ± 0.033 χ^2/NDF : 1267196.5/27

168.559 ± 0.032 χ^2/NDF : 1599166.2/29

yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072 χ^2 /NDF: 621416187.4/16

Left Out: 152822.885 $\pm$ 0.068 χ^2 /NDF: 600682312.8/10

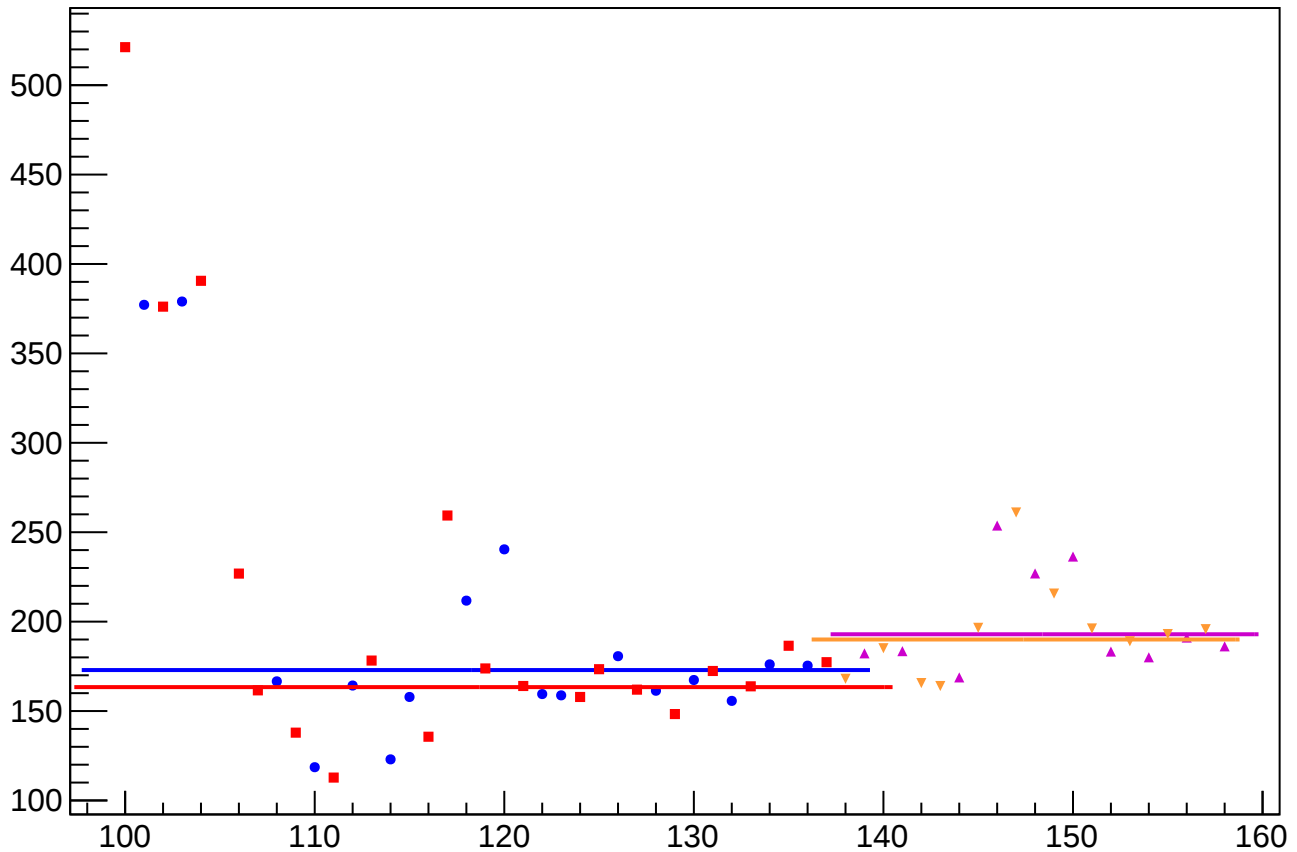
Right Out: 152871.618 $\pm$ 0.066 χ^2 /NDF: 720639345.6/19

Left In: 152562.188 $\pm$ 0.069 χ^2 /NDF: 718752062.8/9

152724.303 $\pm$ 0.049 χ^2 /NDF: 1226609746.0/27

152723.002 $\pm$ 0.048 χ^2 /NDF: 1449906057.8/29

yield_bpm0i07WS_rms vs Slug



Right In: 172.921+/-0.051 χ^2/NDF : 941954.0/16

Left Out: 190.009+/-0.048 χ^2/NDF : 218836.5/10

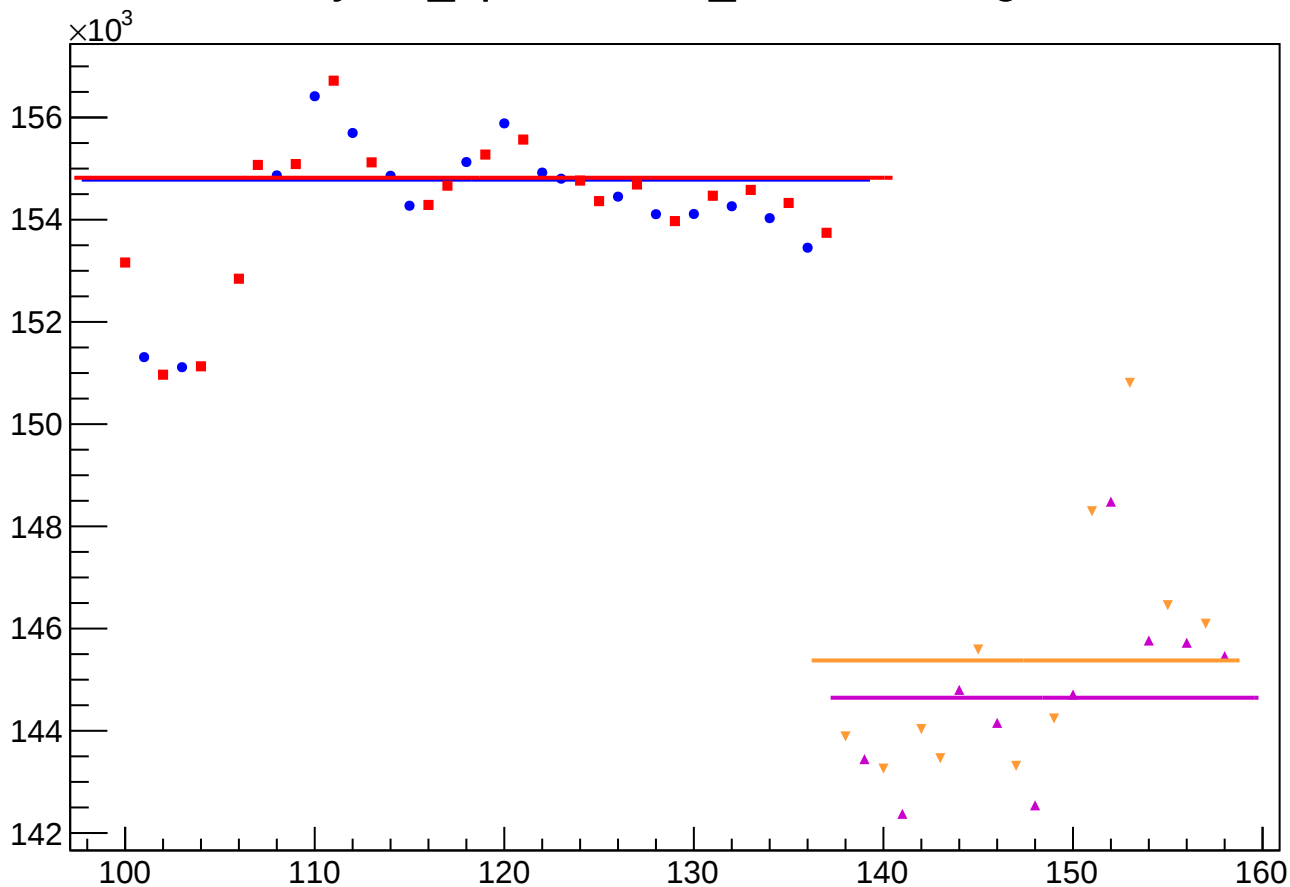
181.999+/-0.035 χ^2/NDF : 1220365.0/27

Right Out: 163.382+/-0.047 χ^2/NDF : 1044431.2/19

177.578+/-0.034 χ^2/NDF : 1478460.7/29

Left In: 192.940+/-0.049 χ^2/NDF : 242137.7/9

yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 $\pm$ 0.065 χ^2 /NDF: 265581398.0/16

Left Out: 145376.635 $\pm$ 0.062 χ^2 /NDF: 1434373811.0/10

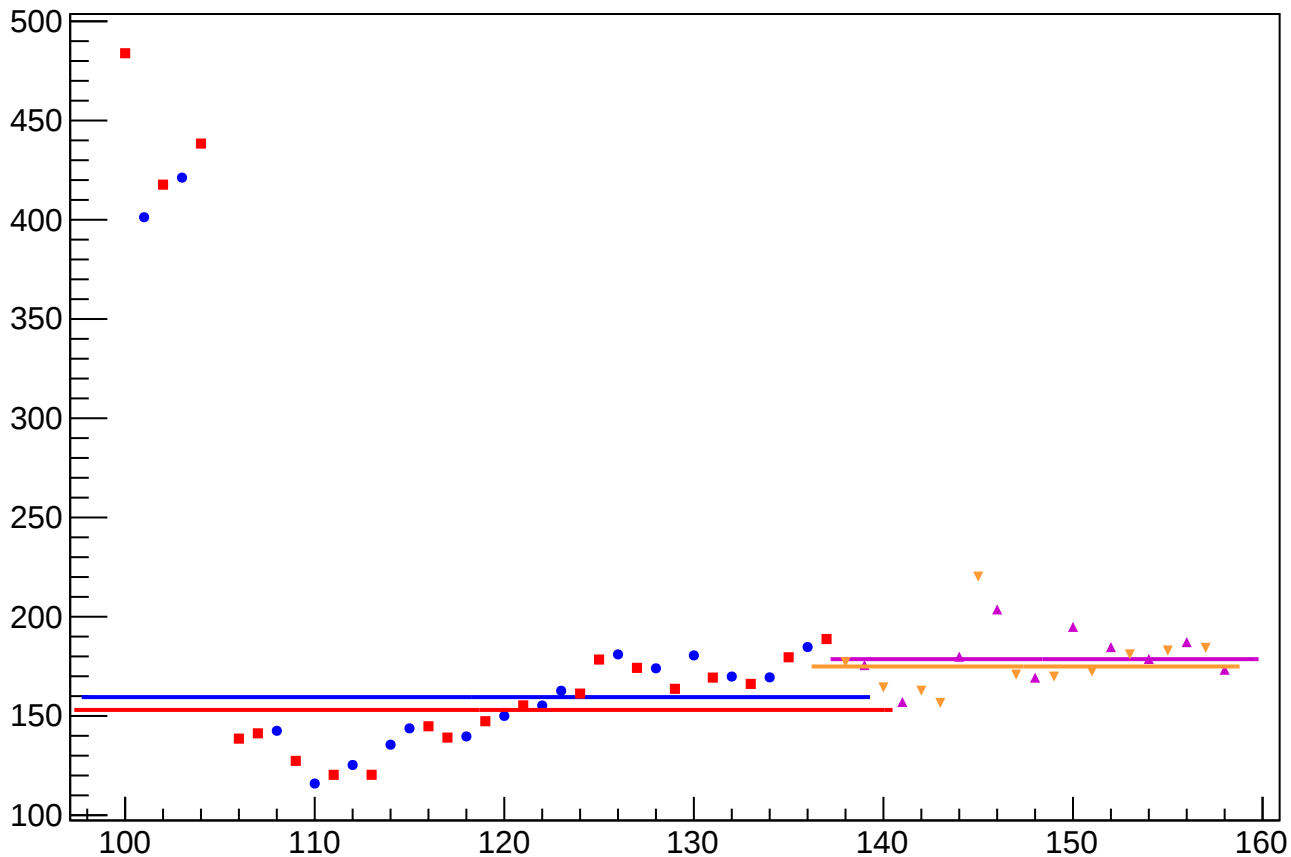
Right Out: 154820.824 $\pm$ 0.061 χ^2 /NDF: 293904936.4/19

Left In: 144646.821 $\pm$ 0.063 χ^2 /NDF: 764505363.3/9

149832.399 $\pm$ 0.045 χ^2 /NDF: 12601205062.5/2

149941.824 $\pm$ 0.044 χ^2 /NDF: 14559121182.3/2

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 ± 0.046 χ^2/NDF : 1131844.5/16

Left Out: 174.935 ± 0.044 χ^2/NDF : 105411.6/10

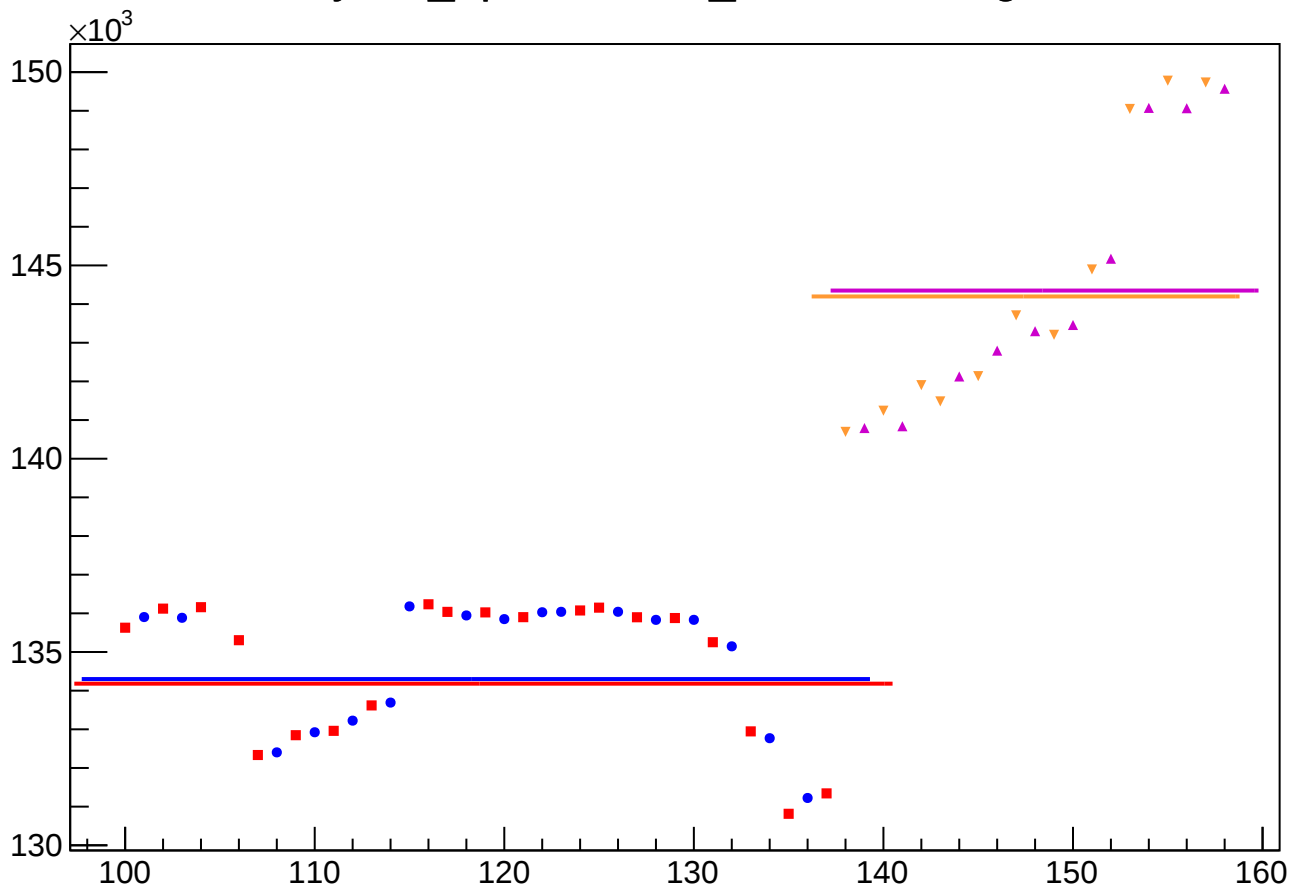
Right Out: 153.038 ± 0.043 χ^2/NDF : 1174616.4/19

Left In: 178.634 ± 0.045 χ^2/NDF : 79198.7/9

167.626 ± 0.032 χ^2/NDF : 1295919.0/27

165.312 ± 0.031 χ^2/NDF : 1424717.7/29

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 $\pm$ 0.050 χ^2 /NDF: 1149581803.2/16

Left Out: 144197.311 $\pm$ 0.062 χ^2 /NDF: 2816916559.6/10

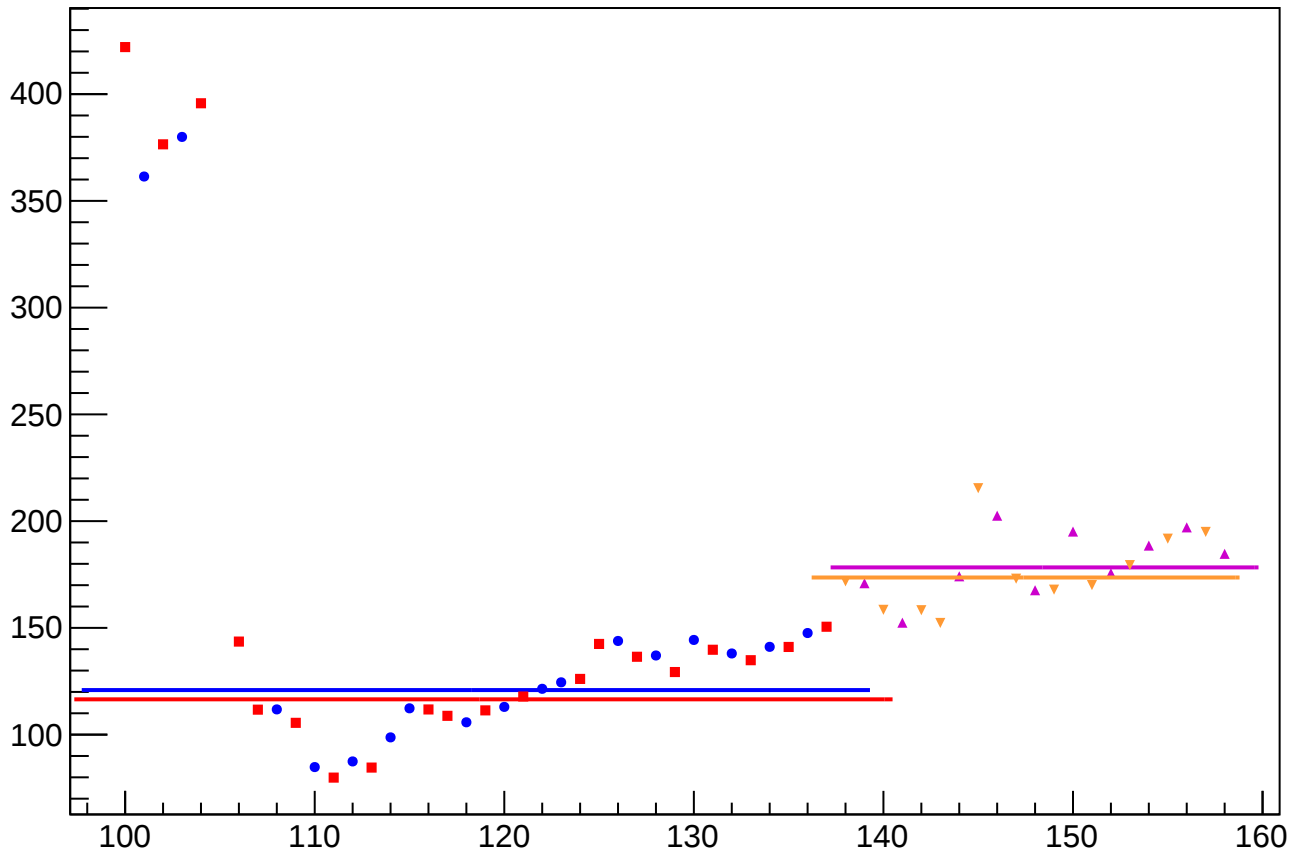
Right Out: 134180.888 $\pm$ 0.047 χ^2 /NDF: 1224202240.2/19

Left In: 144349.960 $\pm$ 0.063 χ^2 /NDF: 2599627435.8/9

138258.484 $\pm$ 0.039 χ^2 /NDF: 19425375923.2/2

137821.617 $\pm$ 0.038 χ^2 /NDF: 20442385368.9/2

yield_bpm1i04WS_rms vs Slug



Right In: 120.872+/-0.036 χ^2/NDF : 1463728.4/16

Left Out: 173.598+/-0.044 χ^2/NDF :141456.2/10

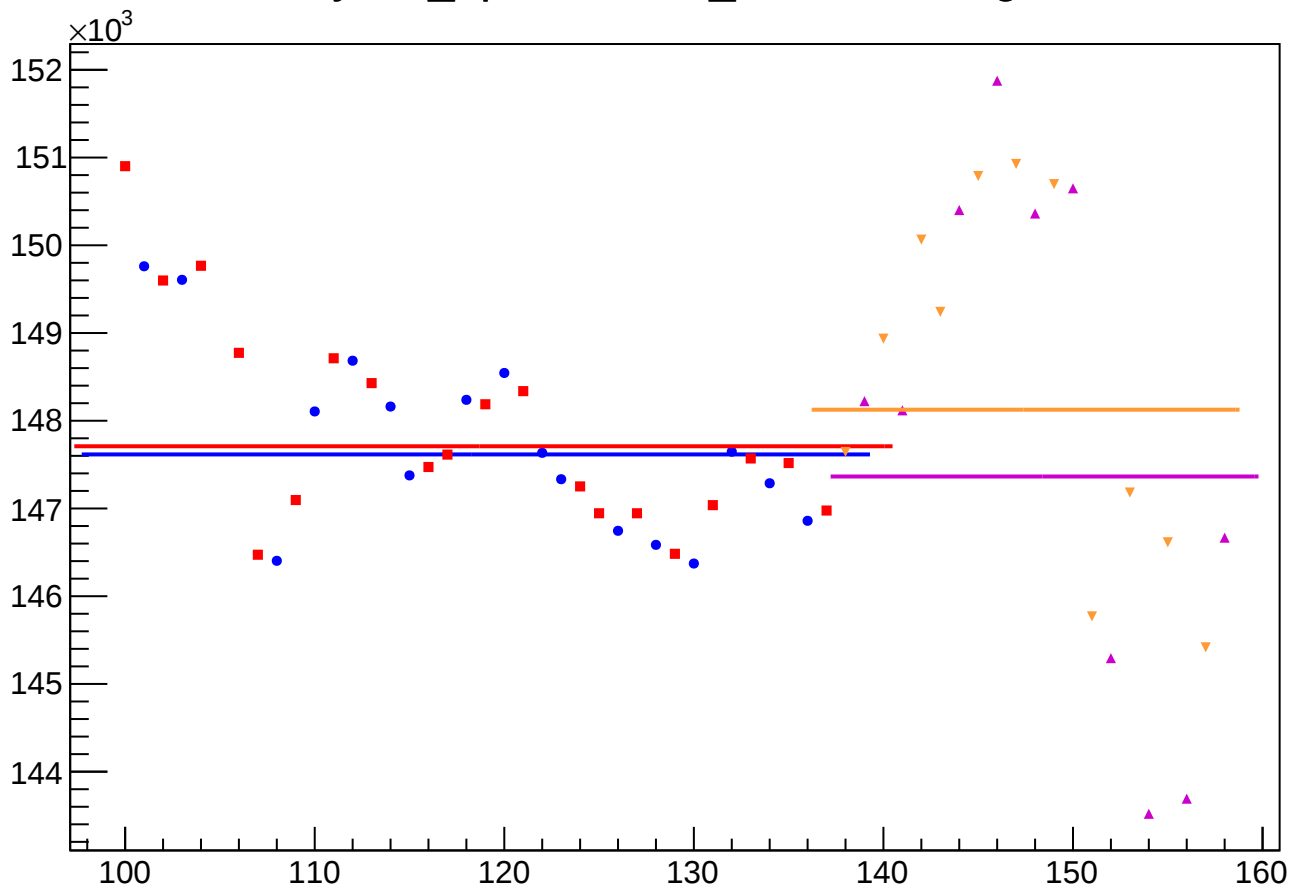
141.960+/-0.028 χ^2/NDF : 2482619.4/27

Right Out: 116.531+/-0.033 χ^2/NDF : 1541779.4/19

138.655+/-0.027 χ^2/NDF : 2883386.1/29

Left In: 178.327+/-0.045 χ^2/NDF :114227.6/9

yield_bpm1i06WS_mean vs Slug



Right In: 147616.150 $\pm$ 0.062 χ^2 /NDF: 199263428.7/16

Left Out: 148125.914 $\pm$ 0.070 χ^2 /NDF: 741183668.5/10

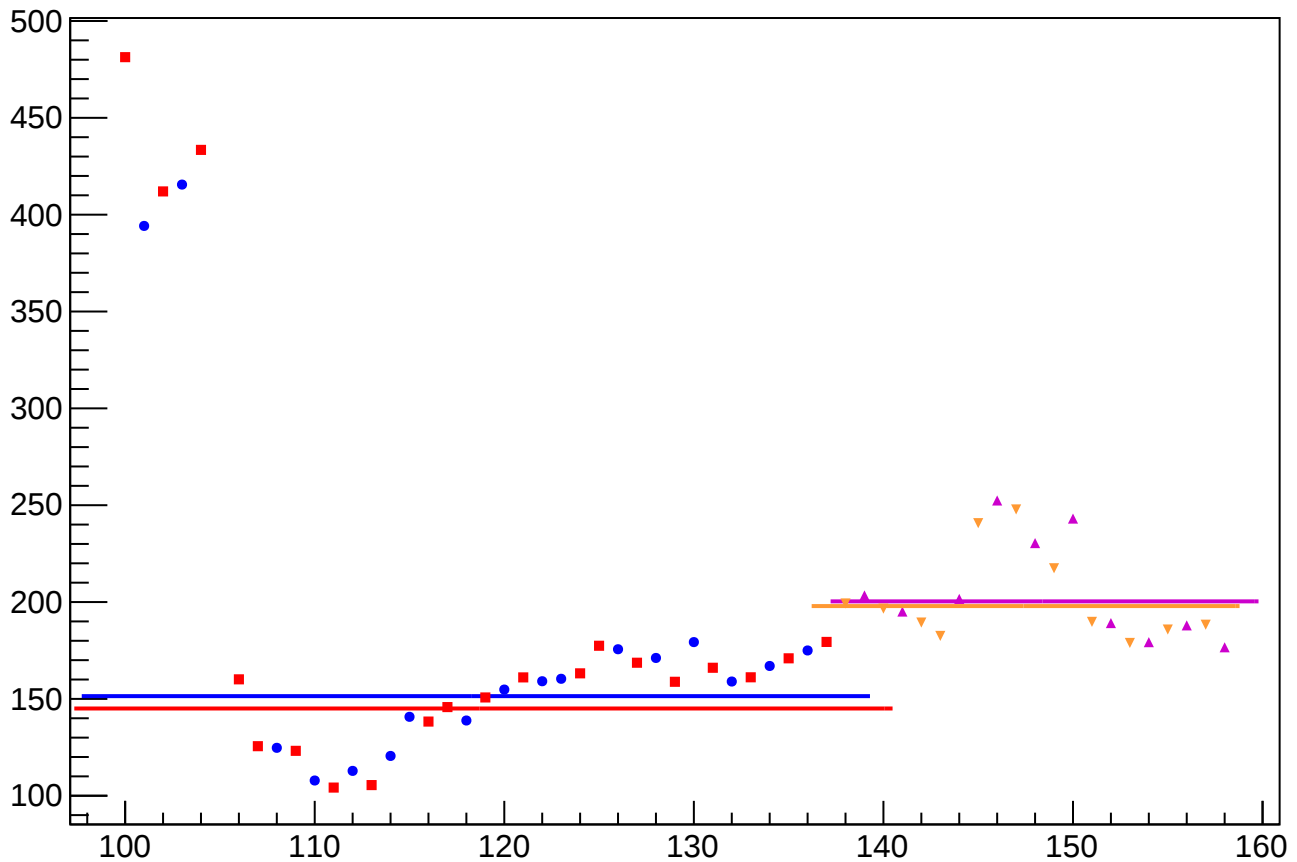
Right Out: 147709.096 $\pm$ 0.058 χ^2 /NDF: 203924272.1/19

Left In: 147364.637 $\pm$ 0.071 χ^2 /NDF: 1541378181.0/9

147840.868 $\pm$ 0.047 χ^2 /NDF: 969788170.4/27

147571.311 $\pm$ 0.045 χ^2 /NDF: 1759346008.5/29

yield_bpm1i06WS_rms vs Slug



Right In: 151.424+/-0.044 χ^2/NDF : 1257843.0/16

Left Out: 197.923+/-0.050 χ^2/NDF : 166612.6/10

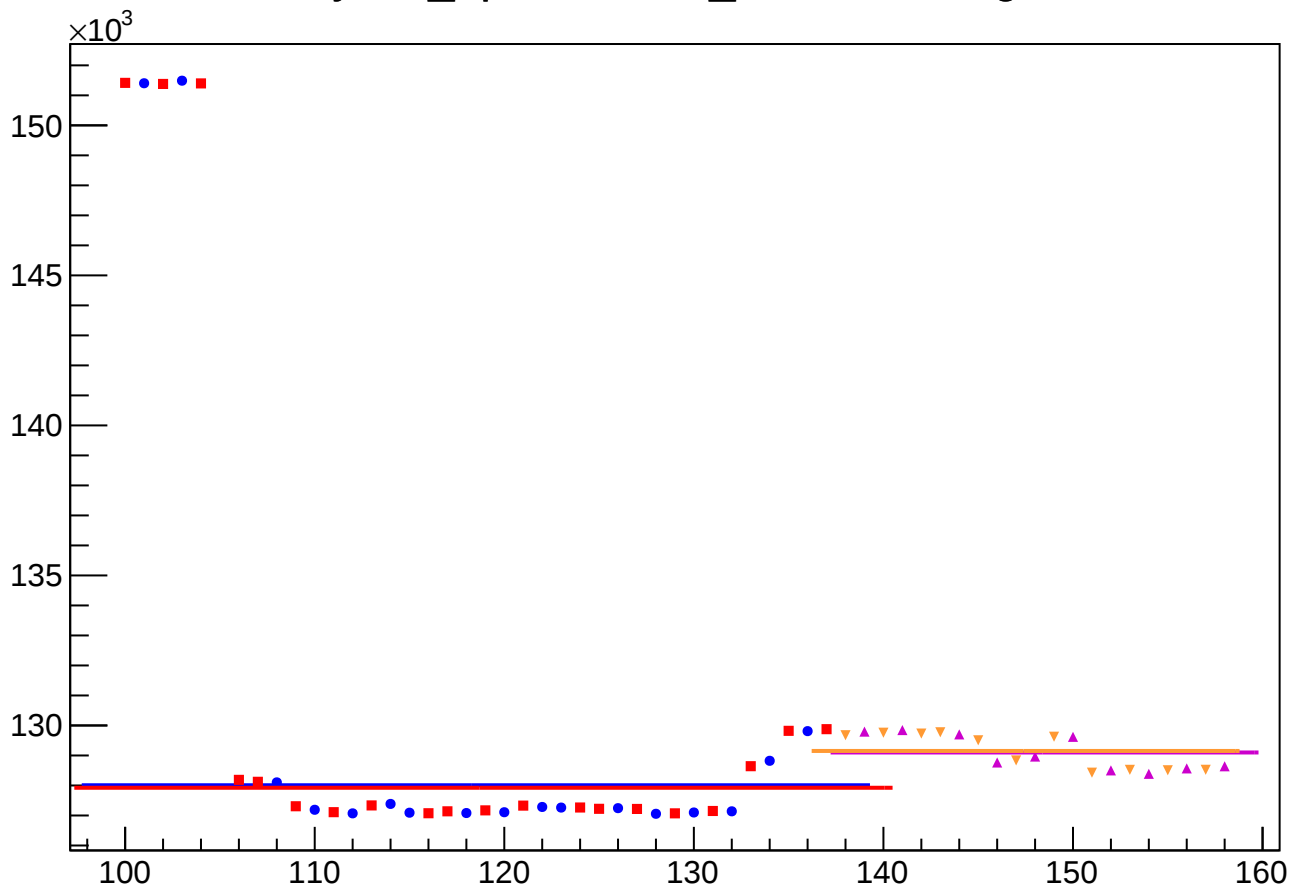
171.922+/-0.033 χ^2/NDF : 1912715.7/27

Right Out: 145.044+/-0.041 χ^2/NDF : 1375974.1/19

167.169+/-0.032 χ^2/NDF : 2314036.0/29

Left In: 200.354+/-0.050 χ^2/NDF : 213890.3/9

yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16

Left Out: 129150.627 $\pm$ 0.061 χ^2 /NDF: 89141895.1/10

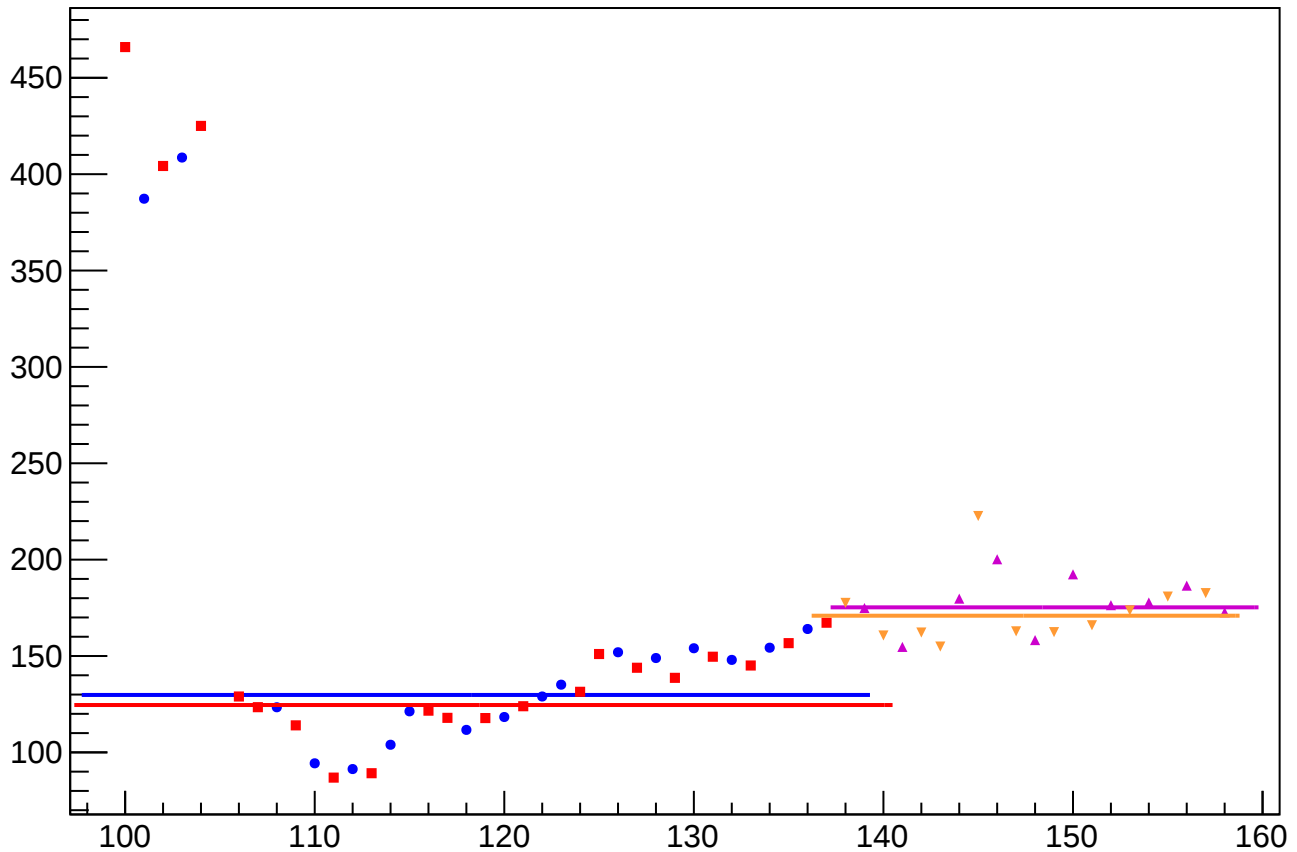
Right Out: 127923.940 $\pm$ 0.050 χ^2 /NDF: 3770107280.1/19

Left In: 129099.865 $\pm$ 0.062 χ^2 /NDF: 83378787.3/9

128514.762 $\pm$ 0.040 χ^2 /NDF: 4606952503.8/27

128389.203 $\pm$ 0.039 χ^2 /NDF: 4070733544.4/29

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 $\pm$ 0.038 χ^2 /NDF: 1485294.2/16

Left Out: 170.911 $\pm$ 0.043 χ^2 /NDF:128299.7/10

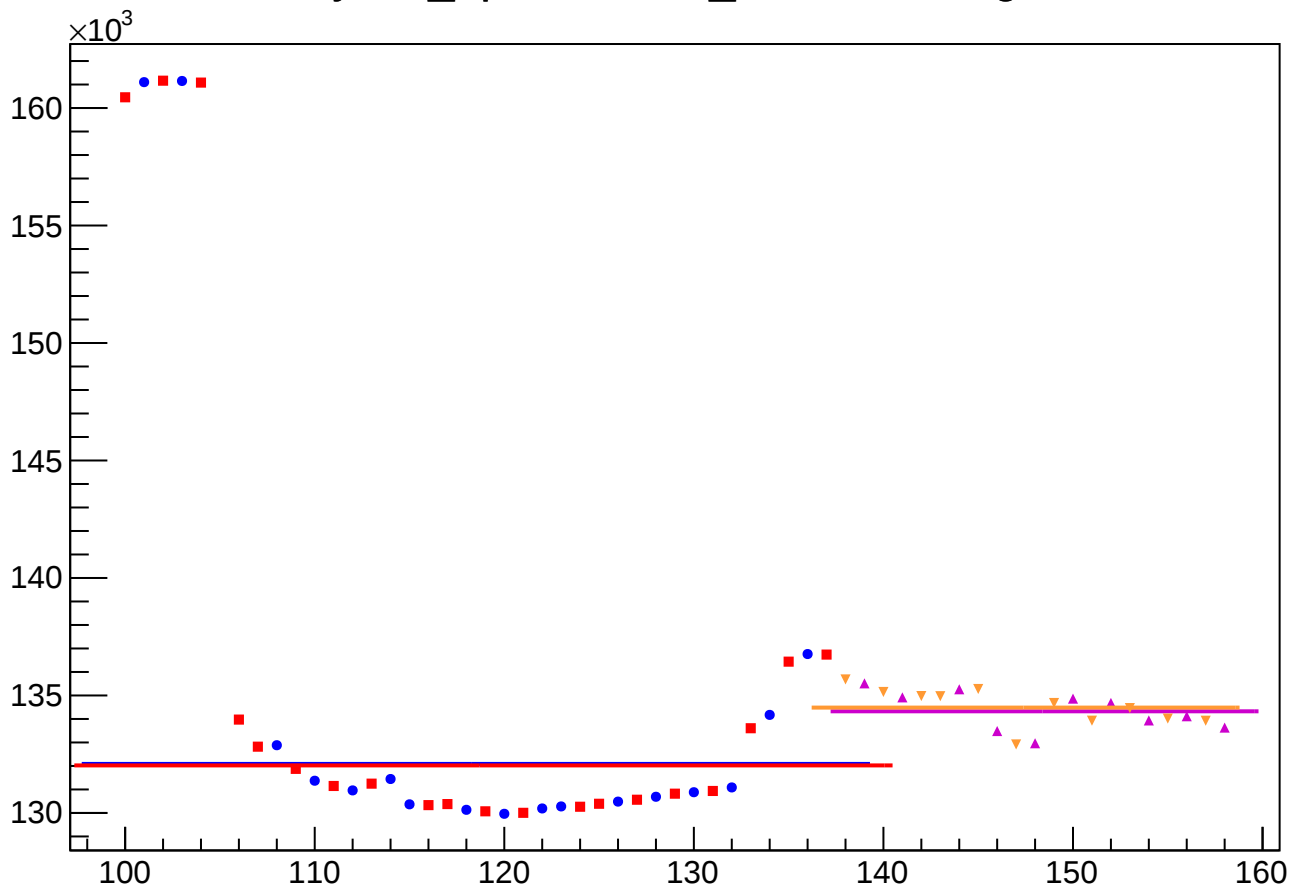
Right Out: 124.572 $\pm$ 0.035 χ^2 /NDF: 1532105.0/19

Left In: 175.248 $\pm$ 0.044 χ^2 /NDF:93260.1/9

148.043 $\pm$ 0.029 χ^2 /NDF: 2125811.6/27

144.622 $\pm$ 0.028 χ^2 /NDF: 2432283.0/29

yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16

Left Out: 134483.886 $\pm$ 0.063 χ^2 /NDF: 148005626.9/10

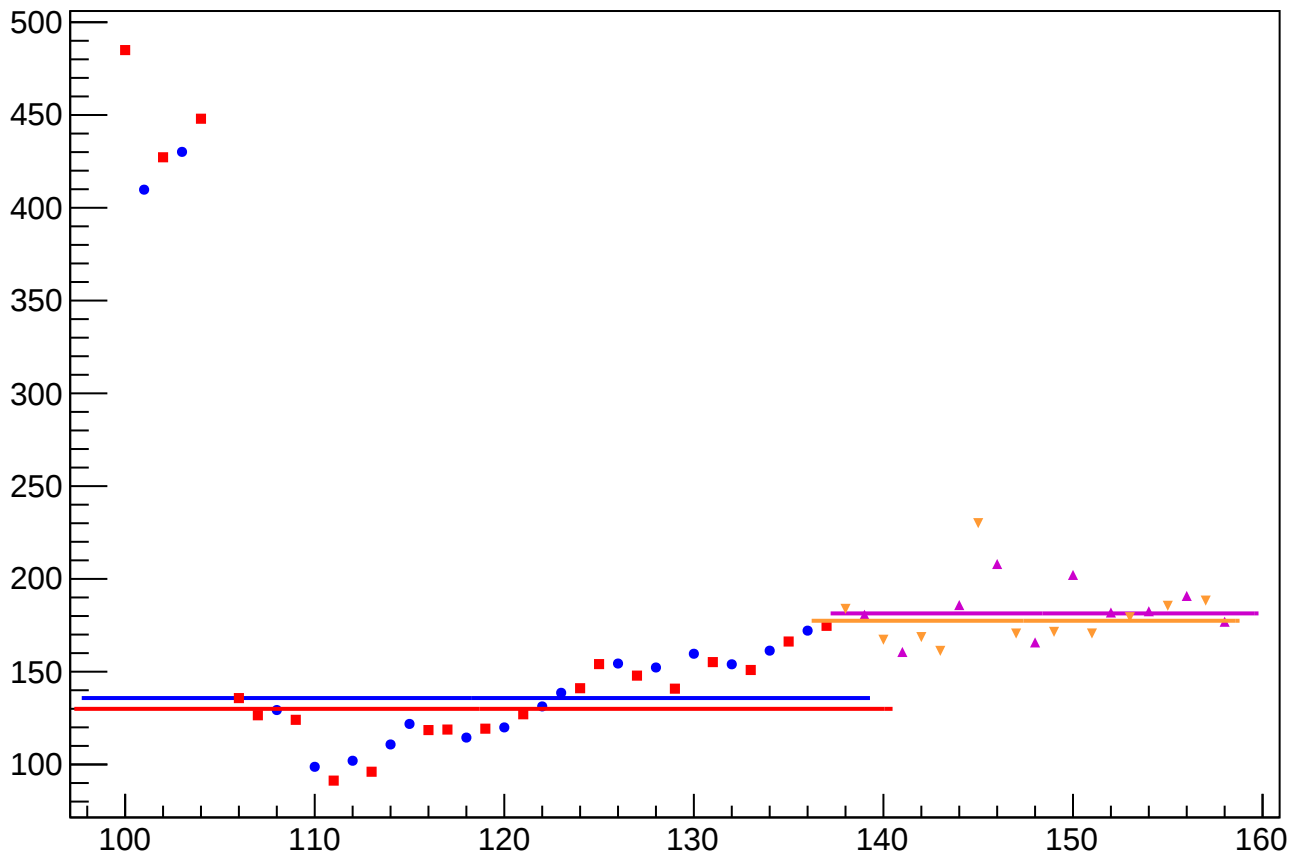
Right Out: 132023.609 $\pm$ 0.052 χ^2 /NDF: 5890492527.2/19

Left In: 134325.822 $\pm$ 0.064 χ^2 /NDF: 155517143.5/9

133158.069 $\pm$ 0.042 χ^2 /NDF: 7684950275.5/27

132942.049 $\pm$ 0.041 χ^2 /NDF: 6818777436.0/29

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 $\pm$ 0.040 χ^2/NDF : 1441904.9/16

Left Out: 177.447 $\pm$ 0.044 χ^2/NDF : 118318.6/10

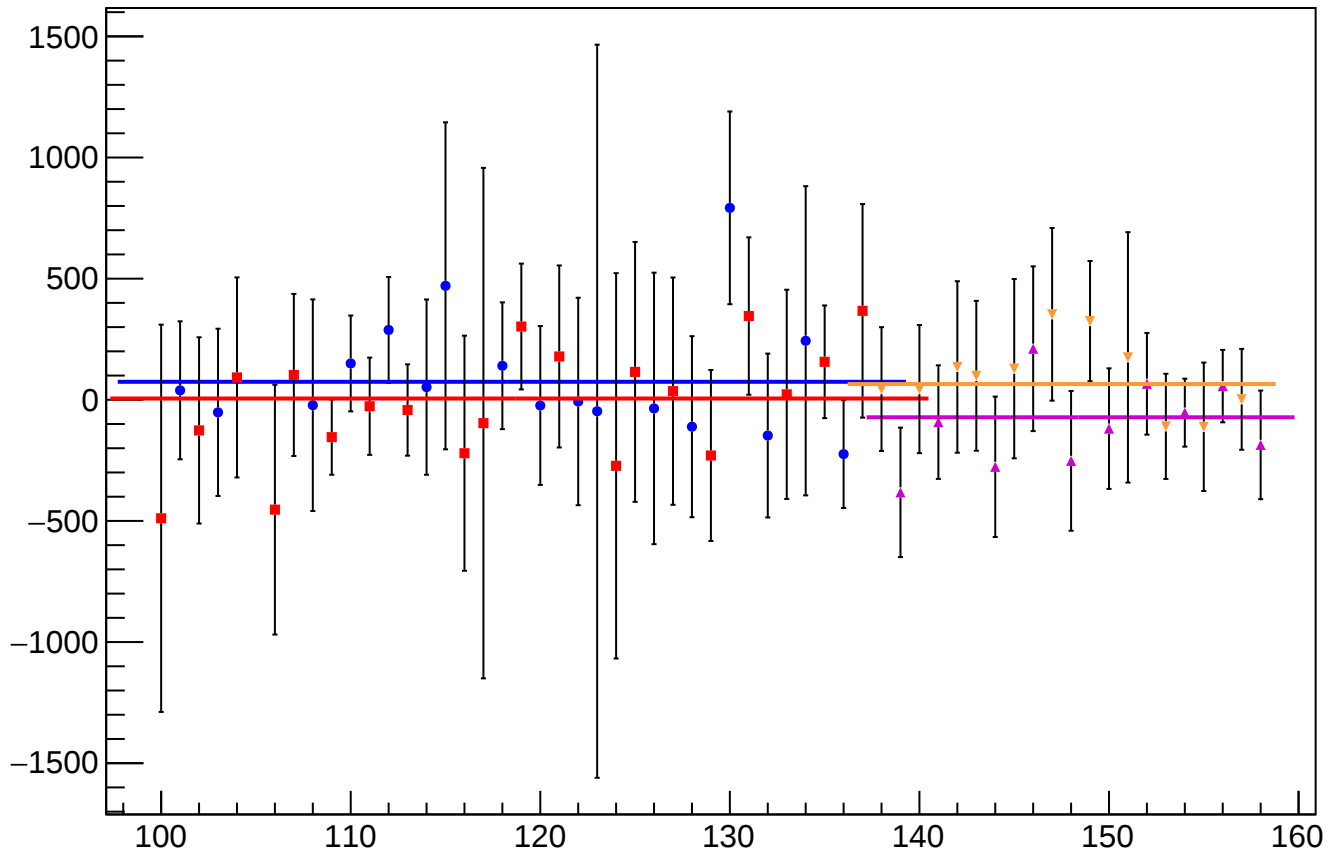
Right Out: 129.975 $\pm$ 0.037 χ^2/NDF : 1504768.0/19

Left In: 181.410 $\pm$ 0.045 χ^2/NDF : 91831.4/9

154.410 $\pm$ 0.030 χ^2/NDF : 2045516.2/27

150.494 $\pm$ 0.029 χ^2/NDF : 2368030.6/29

asym_bcm_an_ds_mean vs Slug



Right In: 74.294+/-79.018 χ^2/NDF : 7.7/16

Left Out: 64.957+/-83.981 χ^2/NDF : 3.1/10

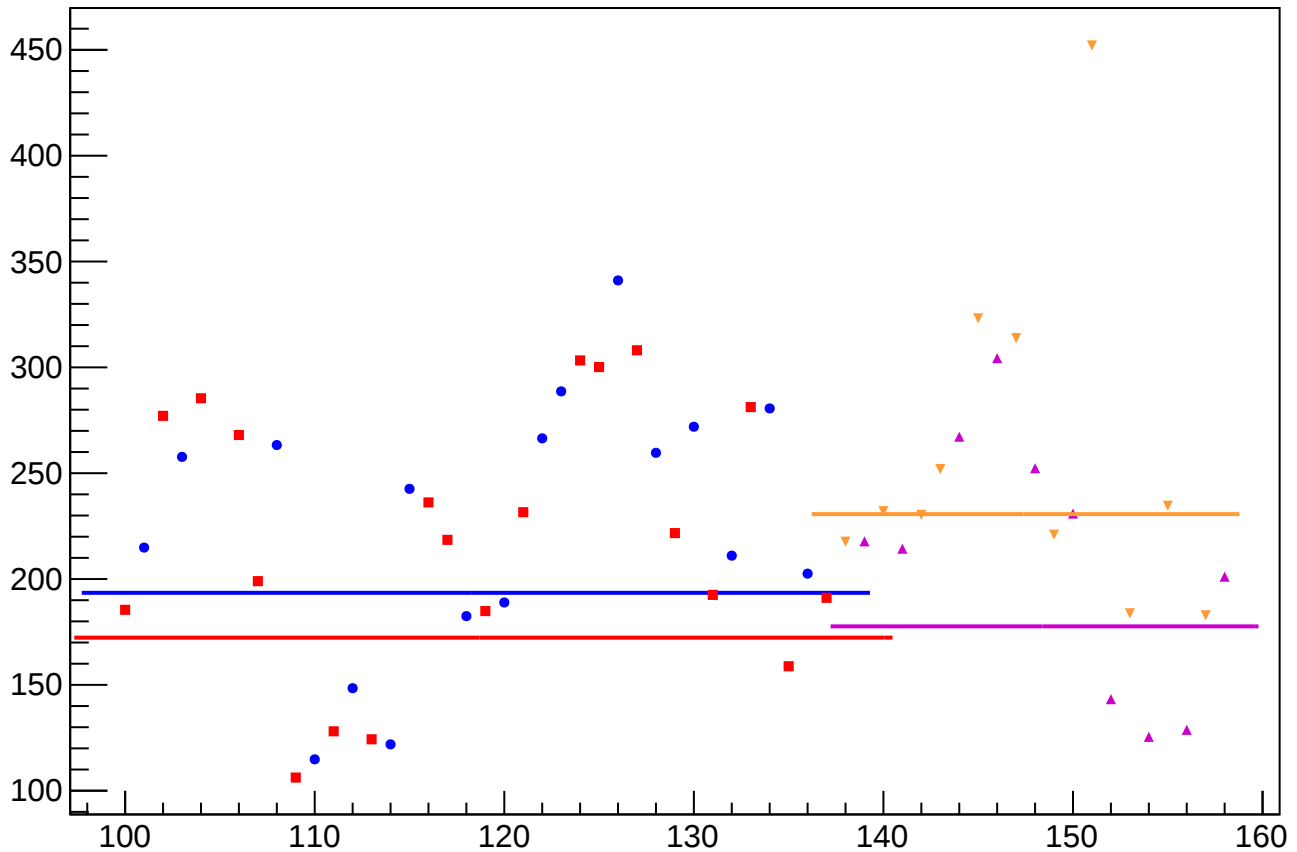
Right Out: 5.290+/-69.914 χ^2/NDF : 7.1/19

Left In: -72.224+/-67.551 χ^2/NDF : 4.4/9

69.910+/-57.549 χ^2/NDF : 10.8/27

-34.799+/-48.580 χ^2/NDF : 12.2/29

asym_bcm_an_ds_rms vs Slug



Right In: 193.488 $\pm$ 0.056 χ^2 /NDF: 1017195.7/16

Left Out: 230.665 $\pm$ 0.059 χ^2 /NDF:817877.8/10

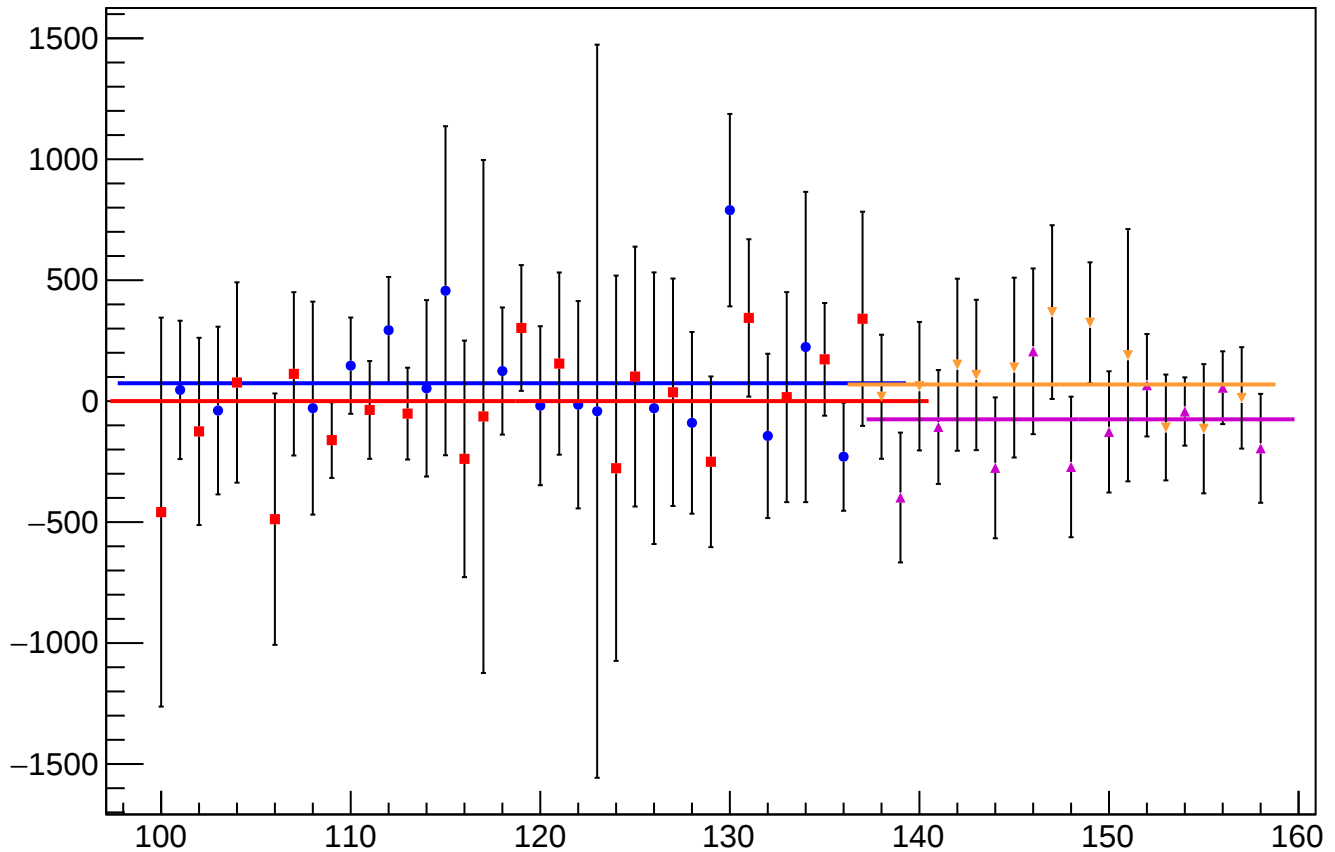
210.946 $\pm$ 0.041 χ^2 /NDF: 2042965.2/27

Right Out: 172.327 $\pm$ 0.049 χ^2 /NDF: 1583701.4/19

175.073 $\pm$ 0.034 χ^2 /NDF: 2945157.6/29

Left In: 177.636 $\pm$ 0.048 χ^2 /NDF:1355490.3/9

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098+/-79.404 χ^2/NDF : 7.6/16

Left Out: 68.994+/-84.514 χ^2/NDF : 3.1/10

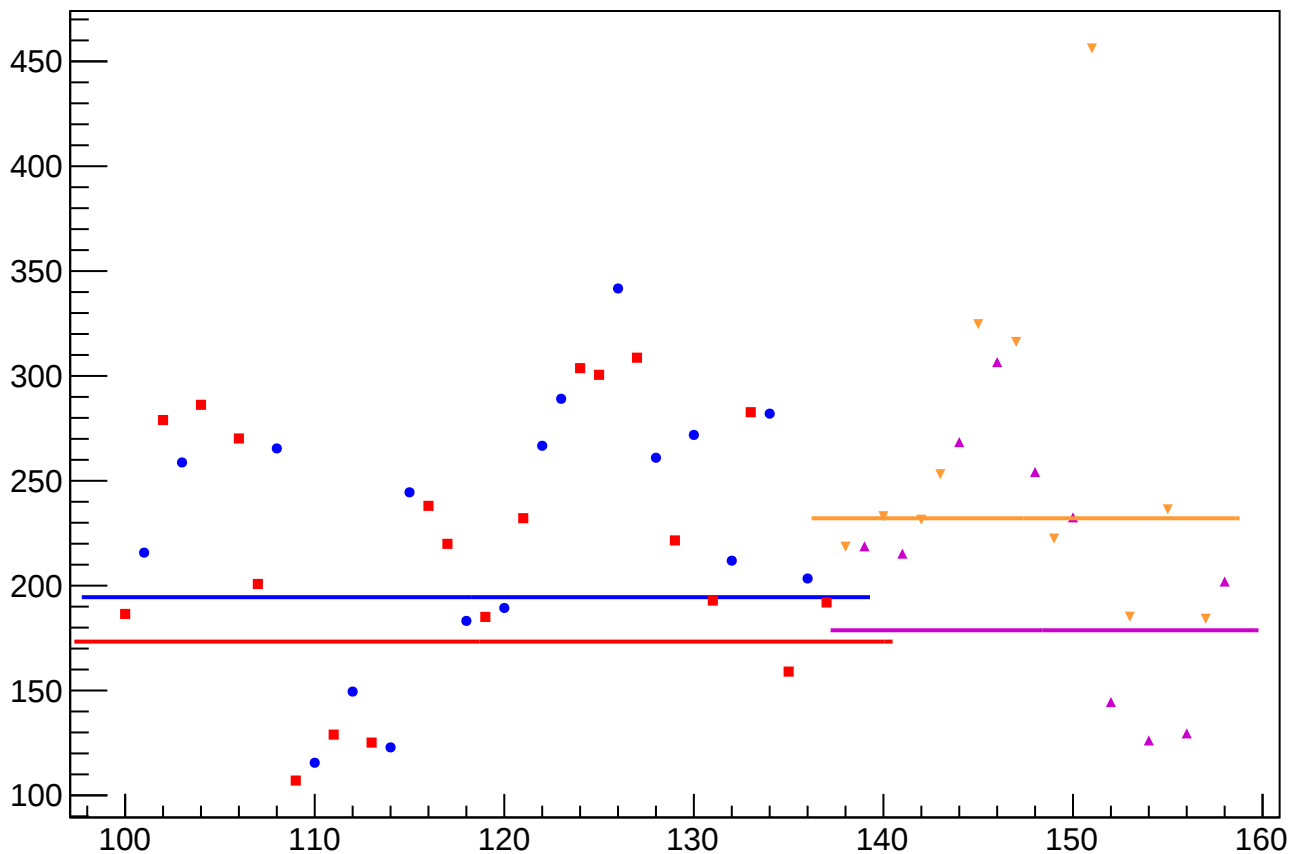
Right Out: 0.223+/-70.282 χ^2/NDF : 7.3/19

Left In: -75.114+/-67.962 χ^2/NDF : 4.7/9

71.705+/-57.869 χ^2/NDF : 10.7/27

-38.710+/-48.856 χ^2/NDF : 12.6/29

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496+/-0.056 χ^2/NDF : 1008514.7/16

Left Out: 232.127+/-0.060 χ^2/NDF : 817443.7/10

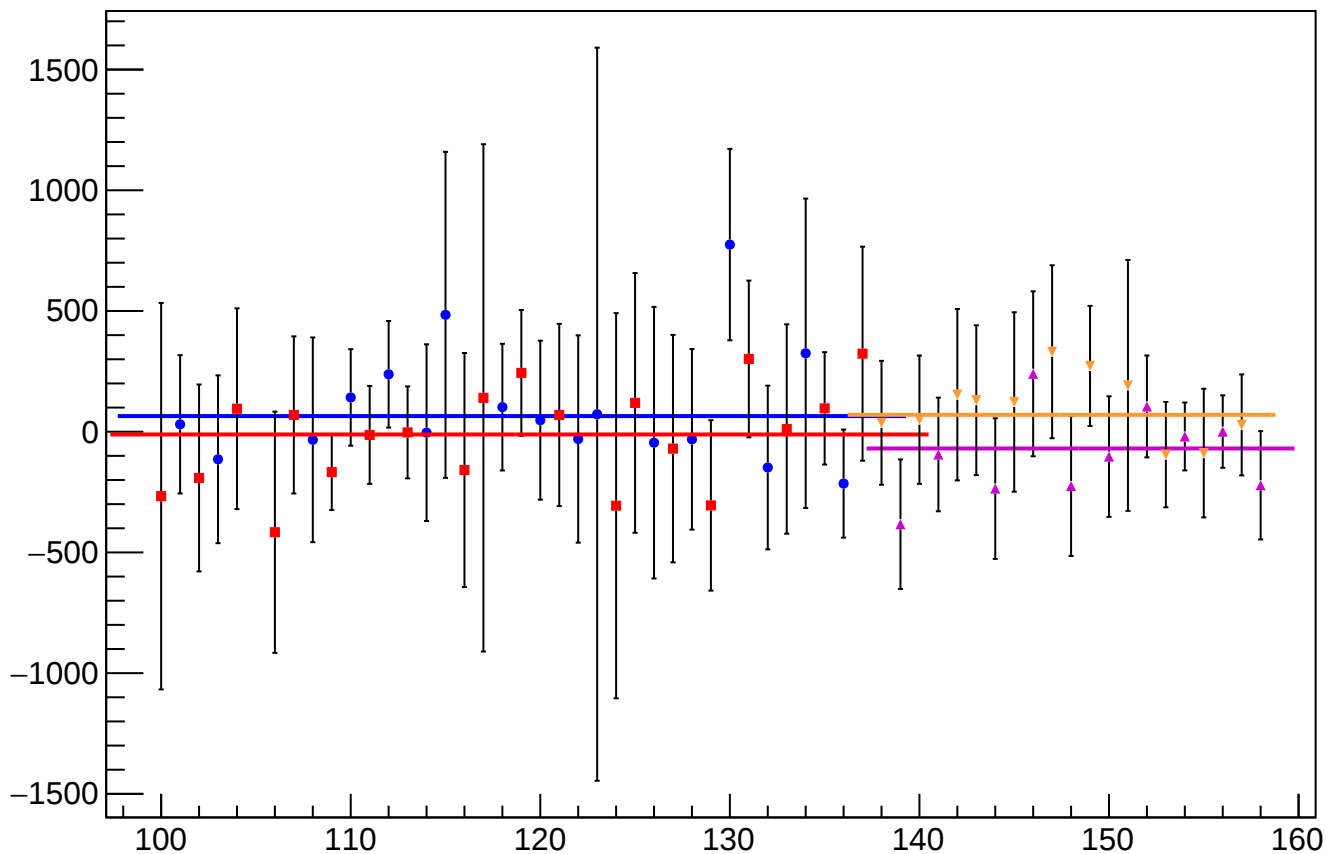
Right Out: 173.317+/-0.050 χ^2/NDF : 1571258.4/19

Left In: 178.720+/-0.048 χ^2/NDF : 1353485.2/9

212.140+/-0.041 χ^2/NDF : 2036561.3/27

176.109+/-0.035 χ^2/NDF : 2930851.5/29

asym_bcm_an_us_mean vs Slug



Right In: 64.733 ± 79.399 χ^2/NDF : 7.0/16

Left Out: 69.961 ± 84.358 χ^2/NDF : 2.4/10

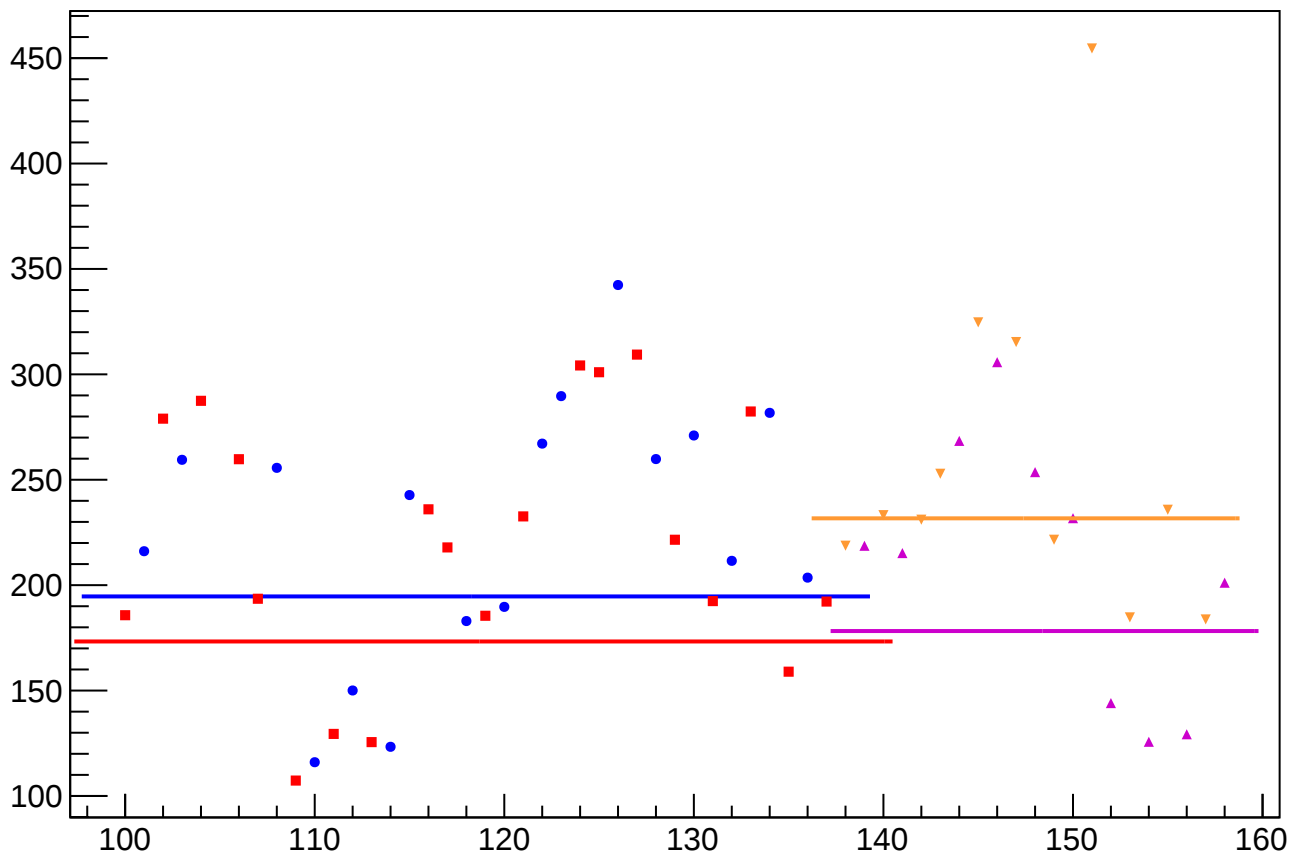
Right Out: -11.414 ± 70.204 χ^2/NDF : 5.8/19

Left In: -69.417 ± 67.788 χ^2/NDF : 4.3/9

67.189 ± 57.817 χ^2/NDF : 9.4/27

-41.430 ± 48.765 χ^2/NDF : 10.5/29

asym_bcm_an_us_rms vs Slug



Right In: 194.652+/-0.056 χ^2/NDF : 986798.9/16

Left Out: 231.697+/-0.060 χ^2/NDF : 818217.1/10

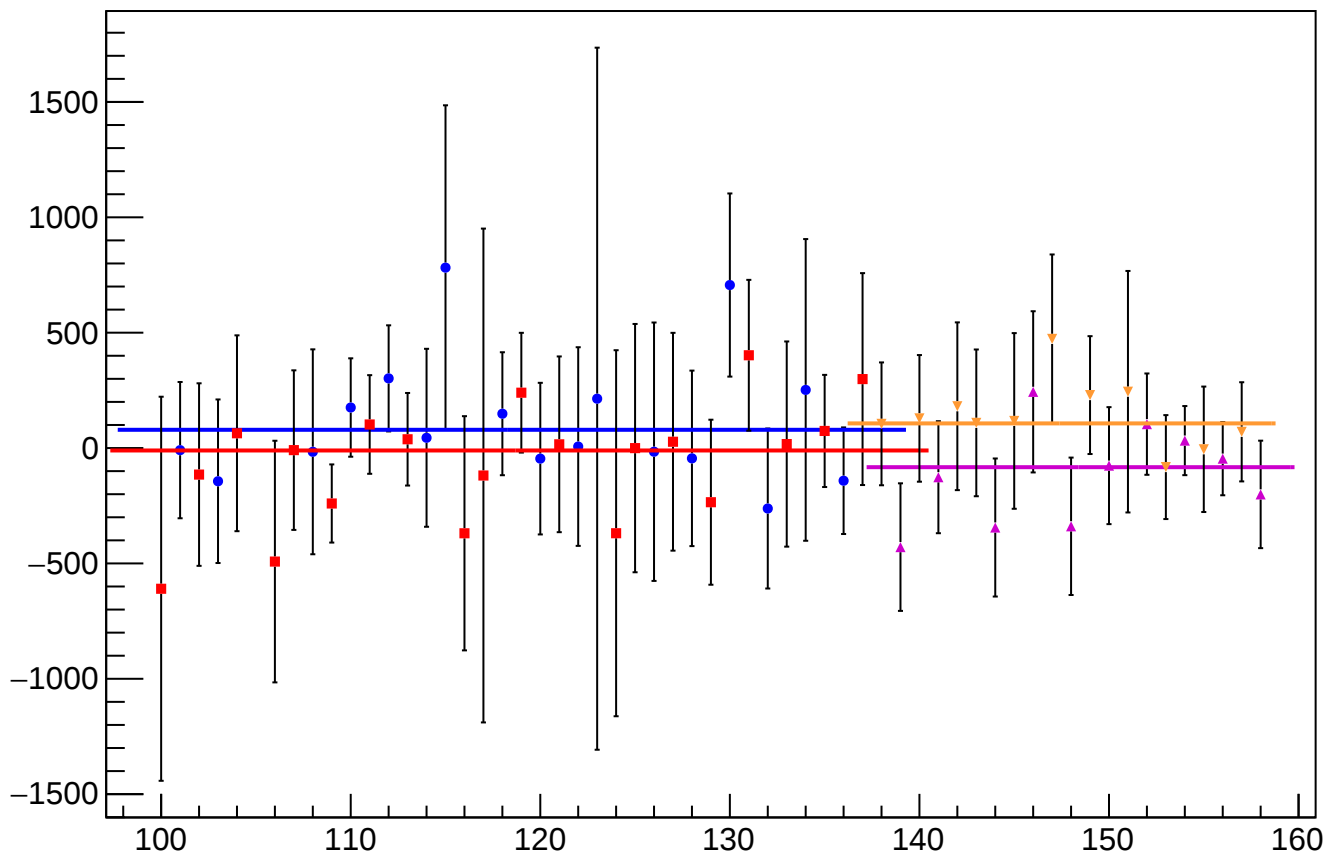
Right Out: 173.289+/-0.050 χ^2/NDF : 1548162.6/19

Left In: 178.233+/-0.048 χ^2/NDF : 1358395.0/9

212.053+/-0.041 χ^2/NDF : 2009529.5/27

175.848+/-0.034 χ^2/NDF : 2911691.0/29

asym_bcm_dg_us_mean vs Slug



Right In: 79.128+/-81.874 χ^2/NDF : 7.5/16

Left Out: 106.834+/-86.679 χ^2/NDF : 2.3/10

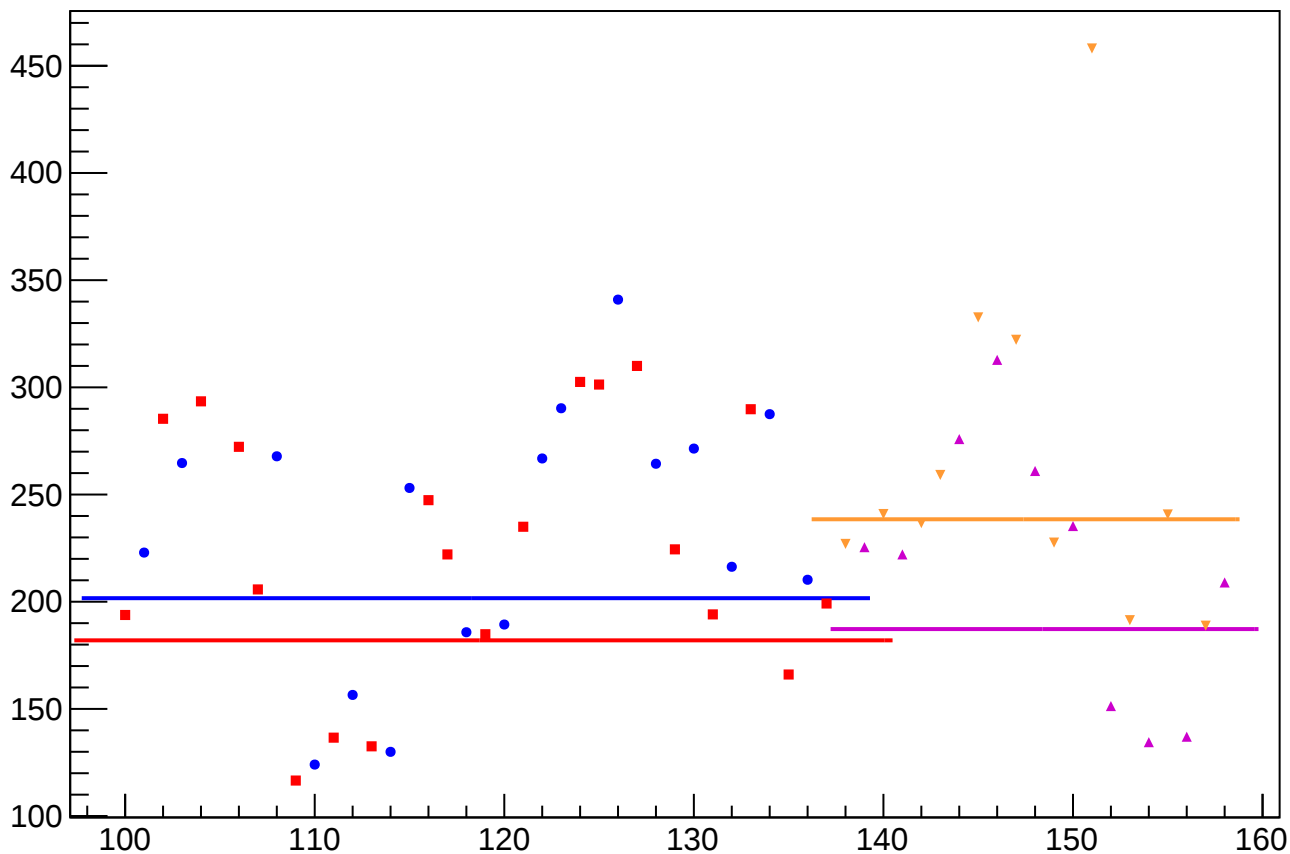
Right Out: -10.491+/-73.139 χ^2/NDF : 7.9/19

Left In: -82.911+/-70.754 χ^2/NDF : 5.6/9

92.192+/-59.520 χ^2/NDF : 9.8/27

-47.901+/-50.853 χ^2/NDF : 14.0/29

asym_bcm_dg_us_rms vs Slug



Right In: 201.654 $\pm$ 0.058 χ^2 /NDF: 883179.7/16

Left Out: 238.460 $\pm$ 0.061 χ^2 /NDF:789581.2/10

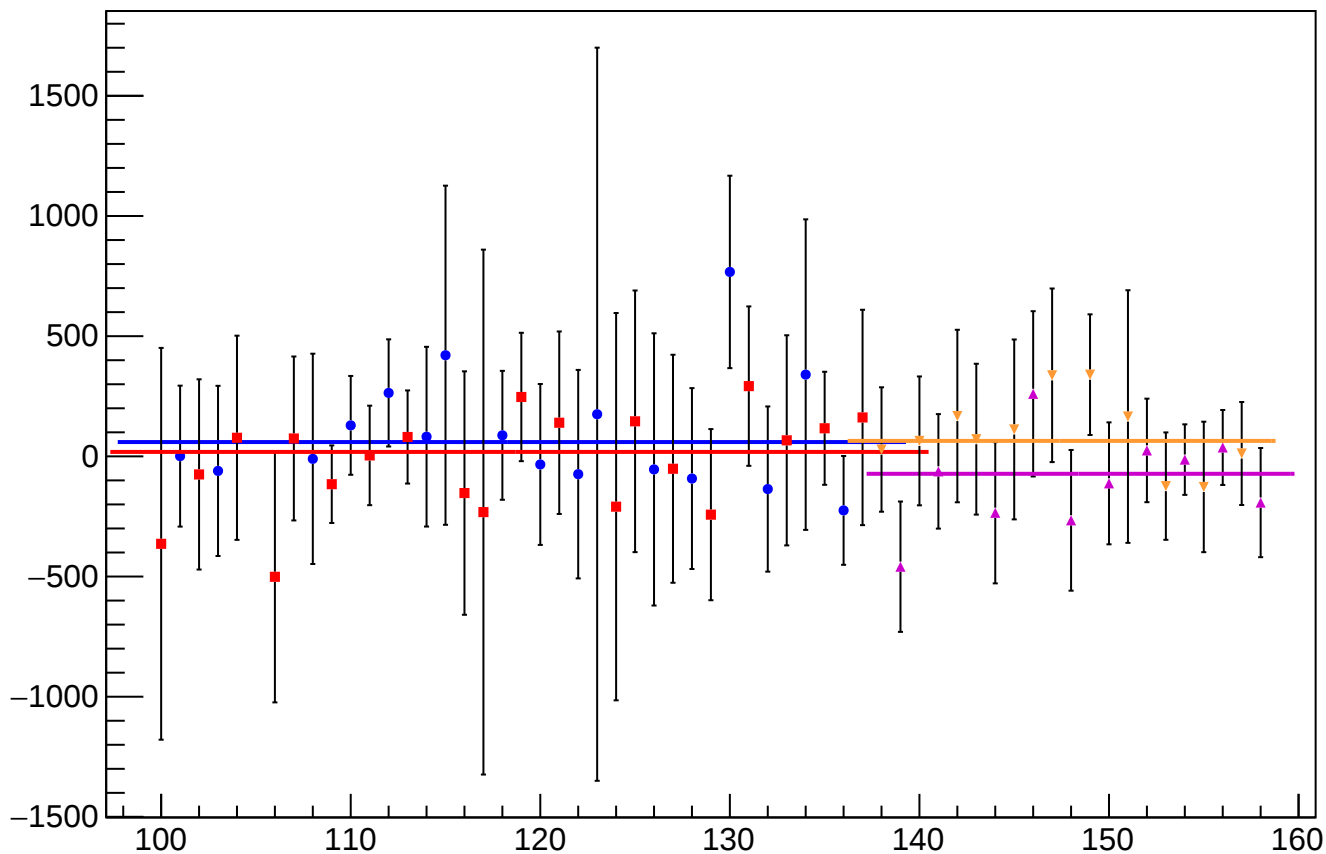
219.009 $\pm$ 0.042 χ^2 /NDF: 1863331.2/27

Right Out: 181.986 $\pm$ 0.052 χ^2 /NDF: 1380269.0/19

184.702 $\pm$ 0.036 χ^2 /NDF: 2613034.0/29

Left In: 187.244 $\pm$ 0.050 χ^2 /NDF:1227424.4/9

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496 $\pm$ 80.808 χ^2 /NDF: 7.0/16

Left Out: 64.348 $\pm$ 85.601 χ^2 /NDF: 3.2/10

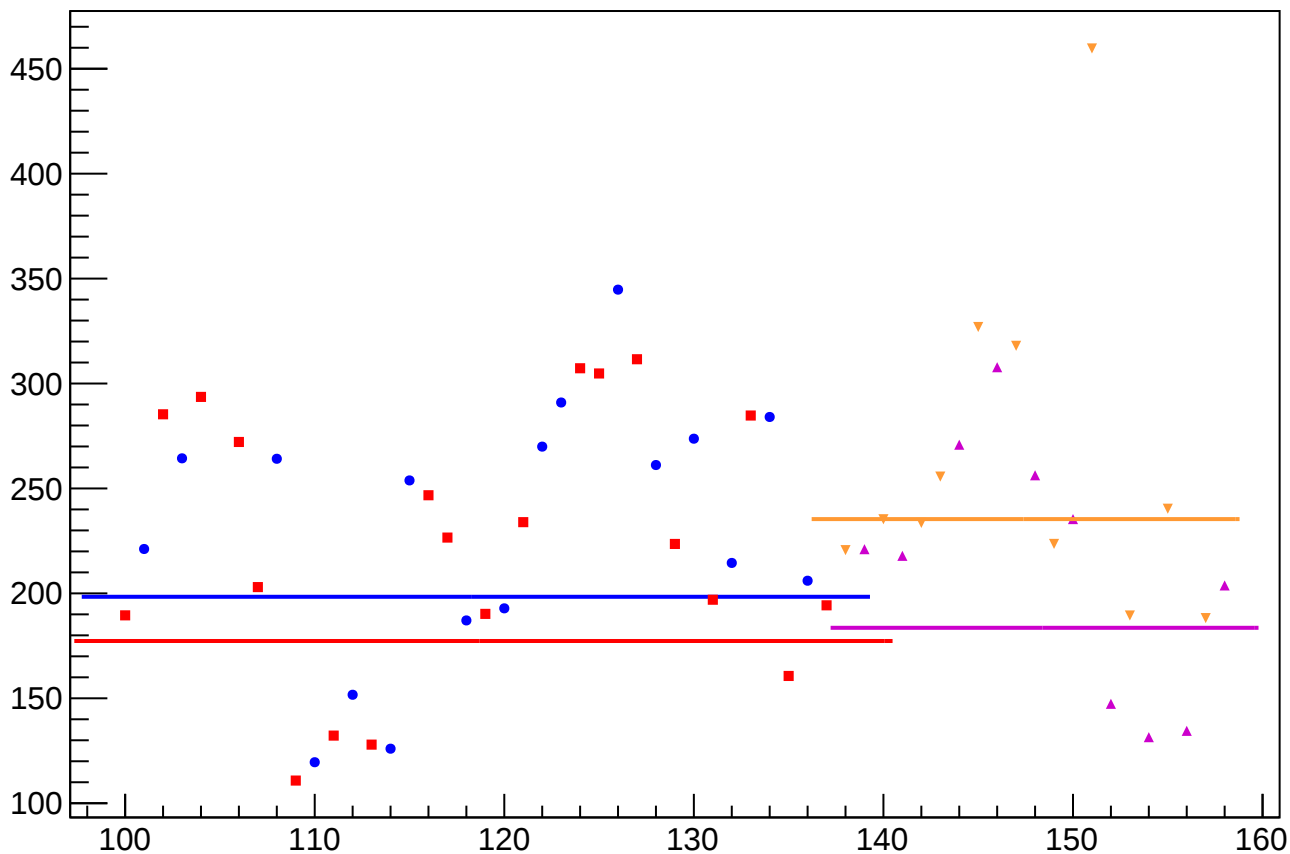
Right Out: 18.457 $\pm$ 71.711 χ^2 /NDF: 4.8/19

Left In: -72.519 $\pm$ 69.505 χ^2 /NDF: 4.9/9

61.782 $\pm$ 58.761 χ^2 /NDF: 10.2/27

-28.452 $\pm$ 49.909 χ^2 /NDF: 10.5/29

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378+/-0.057 χ^2/NDF : 963672.6/16

Left Out: 235.395+/-0.061 χ^2/NDF : 790072.2/10

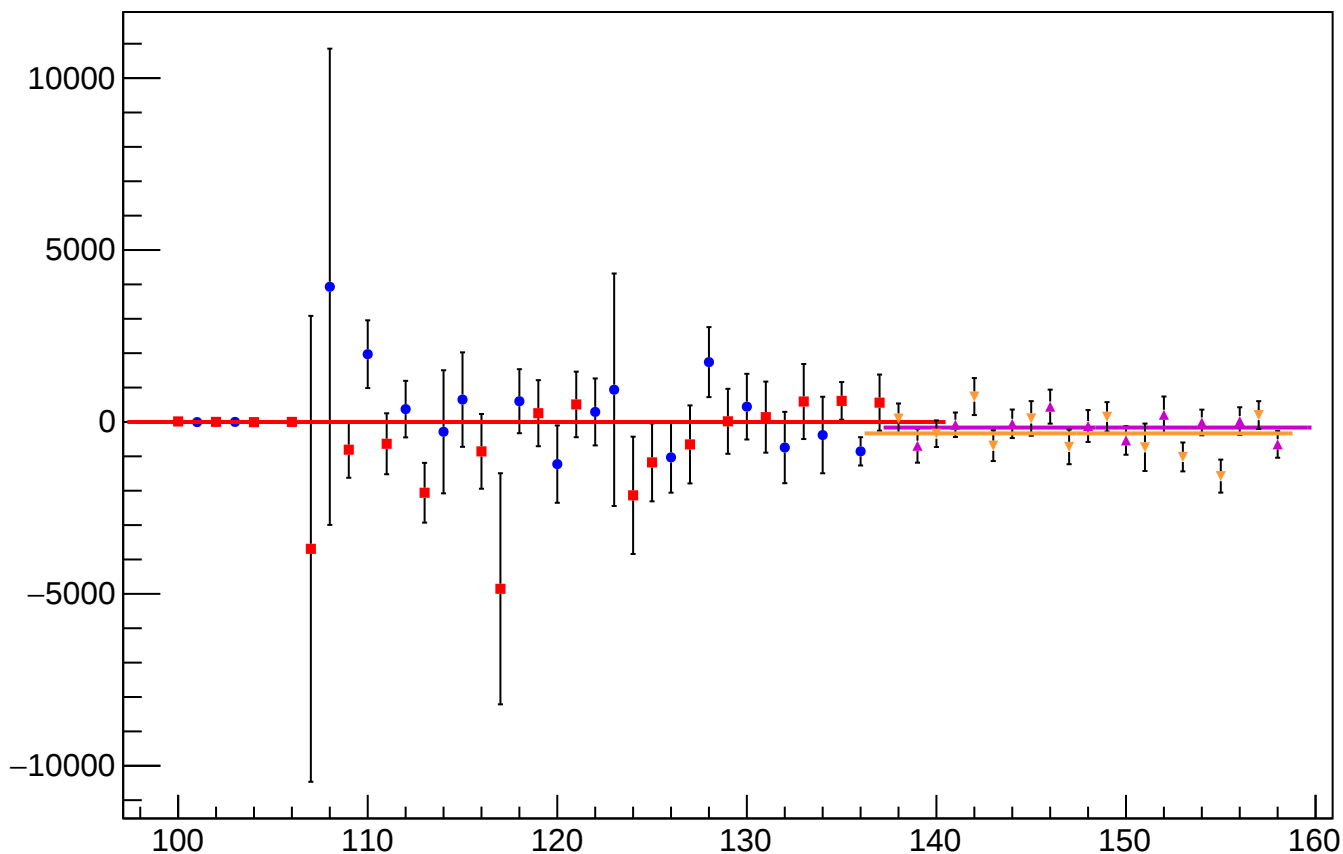
Right Out: 177.309+/-0.051 χ^2/NDF : 1528855.2/19

Left In: 183.597+/-0.049 χ^2/NDF : 1246674.9/9

215.821+/-0.042 χ^2/NDF : 1951508.0/27

180.551+/-0.035 χ^2/NDF : 2783457.9/29

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -333.259 ± 138.748 χ^2/NDF : 19.6/10

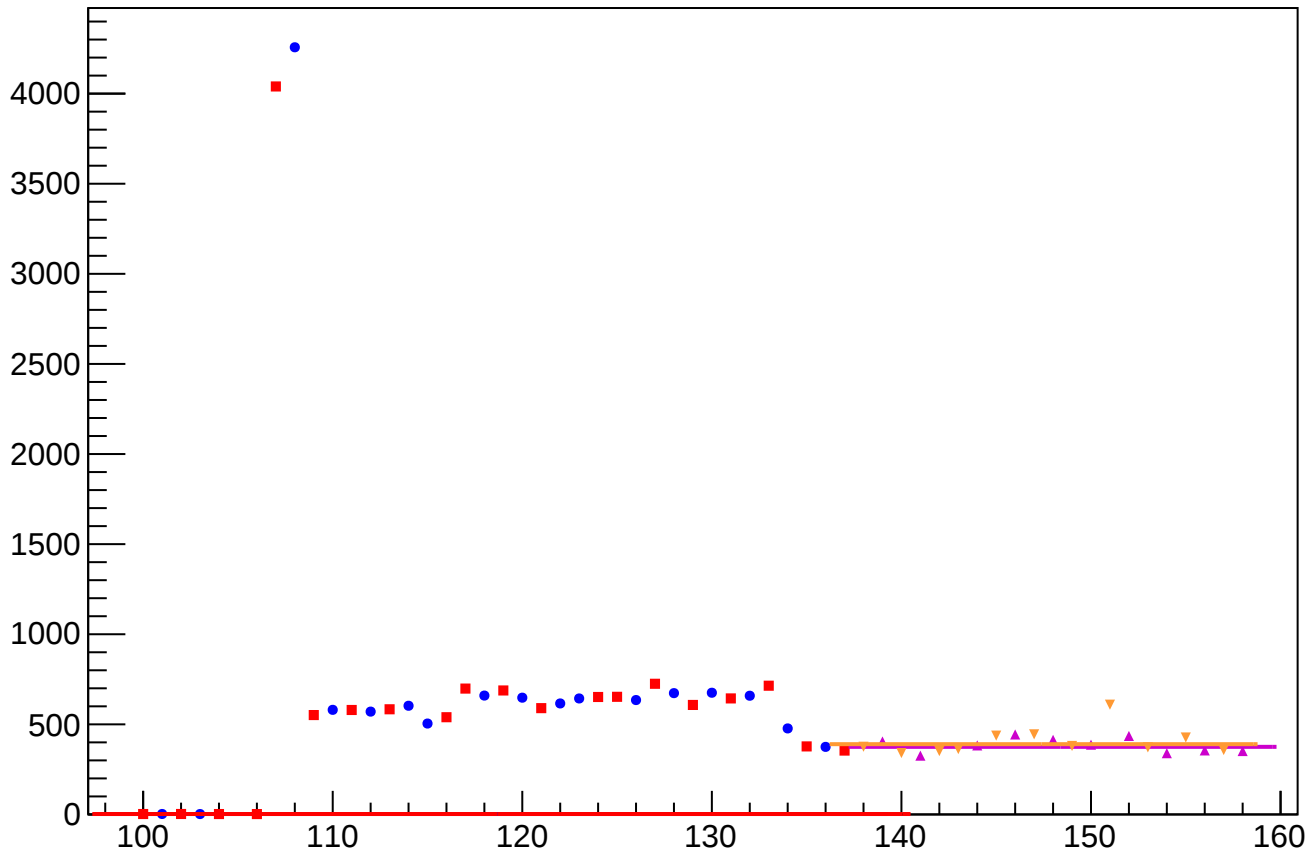
Right Out: -0.728 ± 2.111 χ^2/NDF : 21.4/19

Left In: -163.781 ± 133.970 χ^2/NDF : 6.0/9

-1.617 ± 2.251 χ^2/NDF : 42.3/27

-0.769 ± 2.111 χ^2/NDF : 28.9/29

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 390.004+/-0.098 χ^2/NDF :324793.9/10

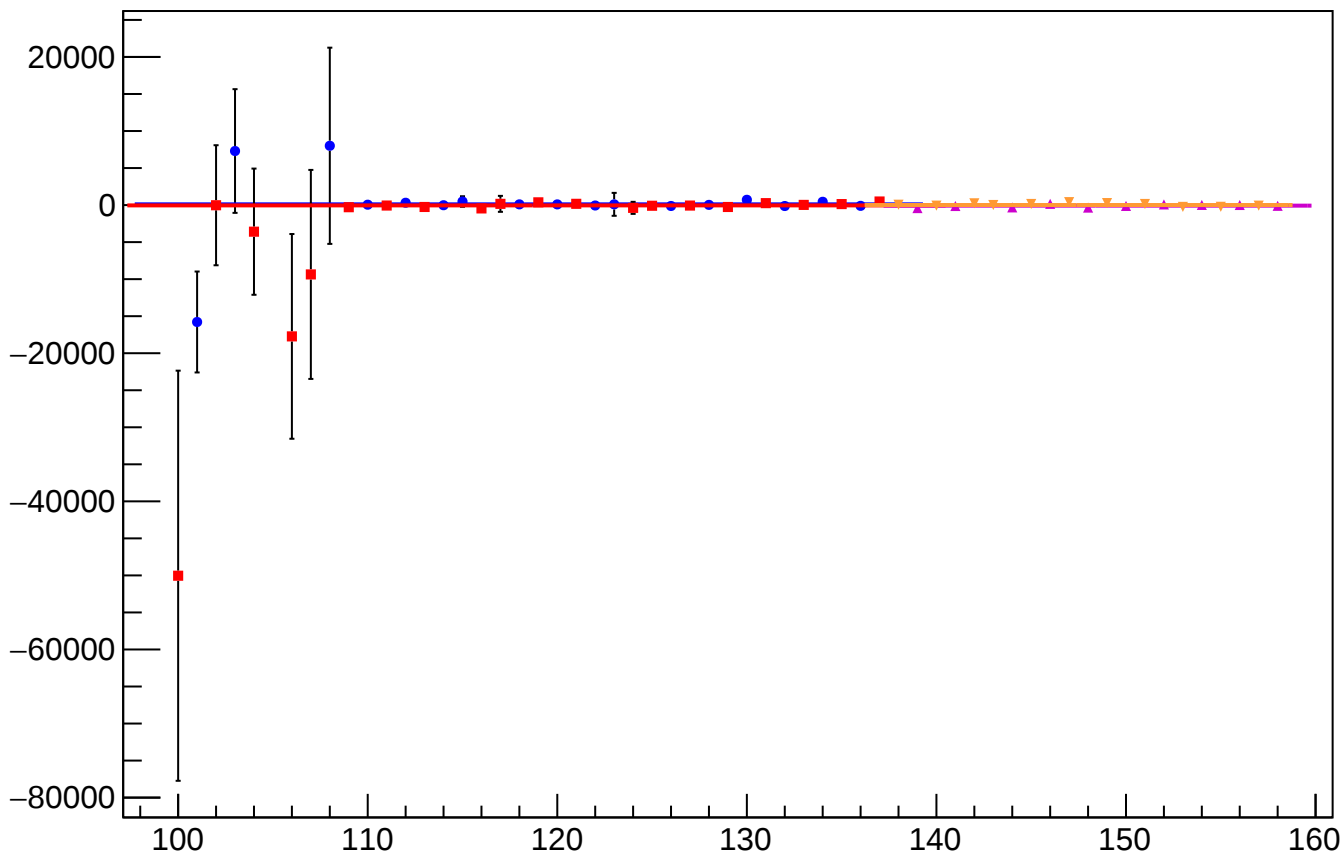
Right Out: 2.437+/-0.001 χ^2/NDF : 11233207.9/19

Left In: 375.200+/-0.095 χ^2/NDF :155780.5/9

2.559+/-0.002 χ^2/NDF : 26772204.2/27

2.530+/-0.001 χ^2/NDF : 26869105.7/29

asym_cav4cQ_mean vs Slug



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: 7.568+/-91.487 χ^2/NDF : 4.5/10

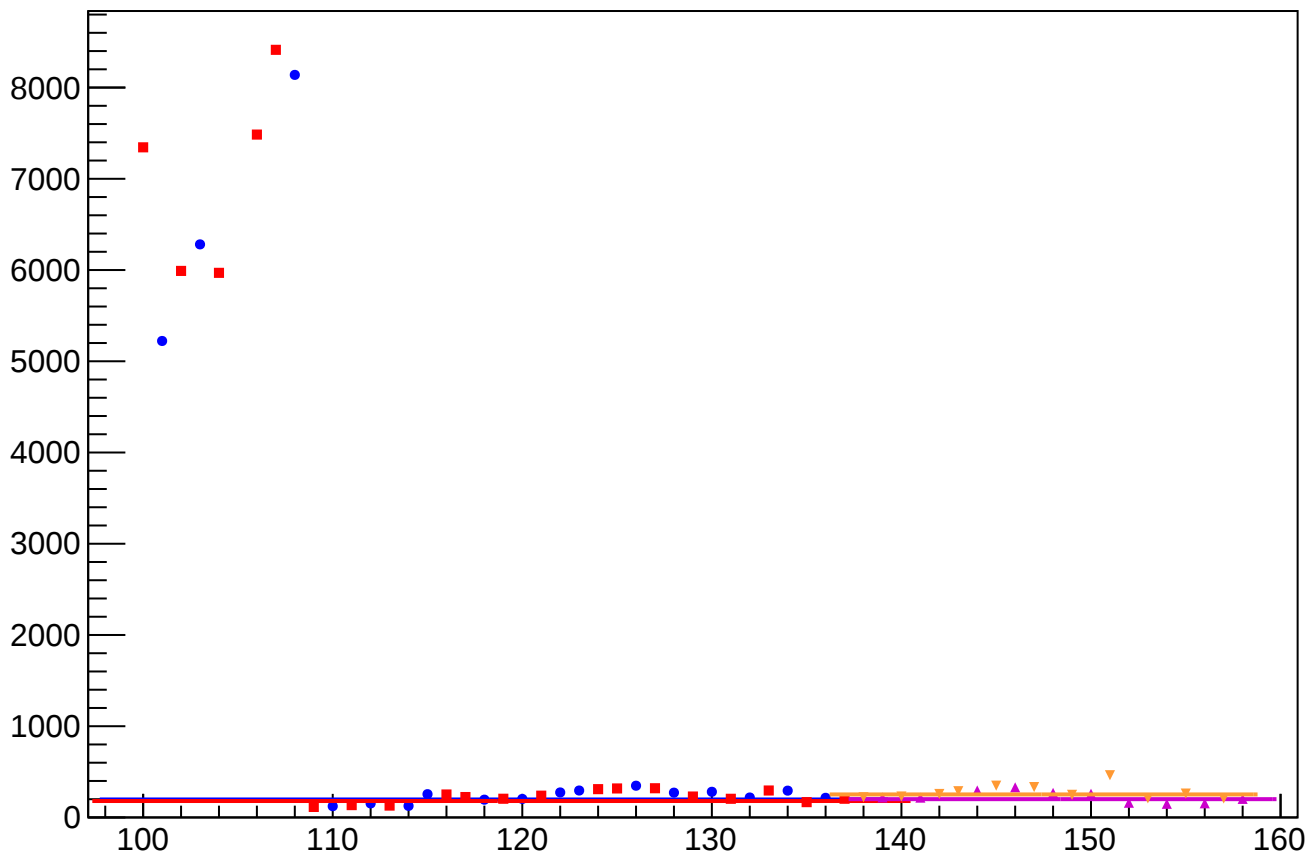
Right Out: -41.024+/-84.237 χ^2/NDF : 13.9/19

Left In: -75.817+/-75.086 χ^2/NDF : 4.4/9

53.419+/-64.468 χ^2/NDF : 16.8/27

-60.412+/-56.051 χ^2/NDF : 18.4/29

asym_cav4cQ_rms vs Slug



Right In: 197.086+/-0.064 χ^2/NDF : 3693614.0/16

Left Out: 252.358+/-0.065 χ^2/NDF : 726053.4/10

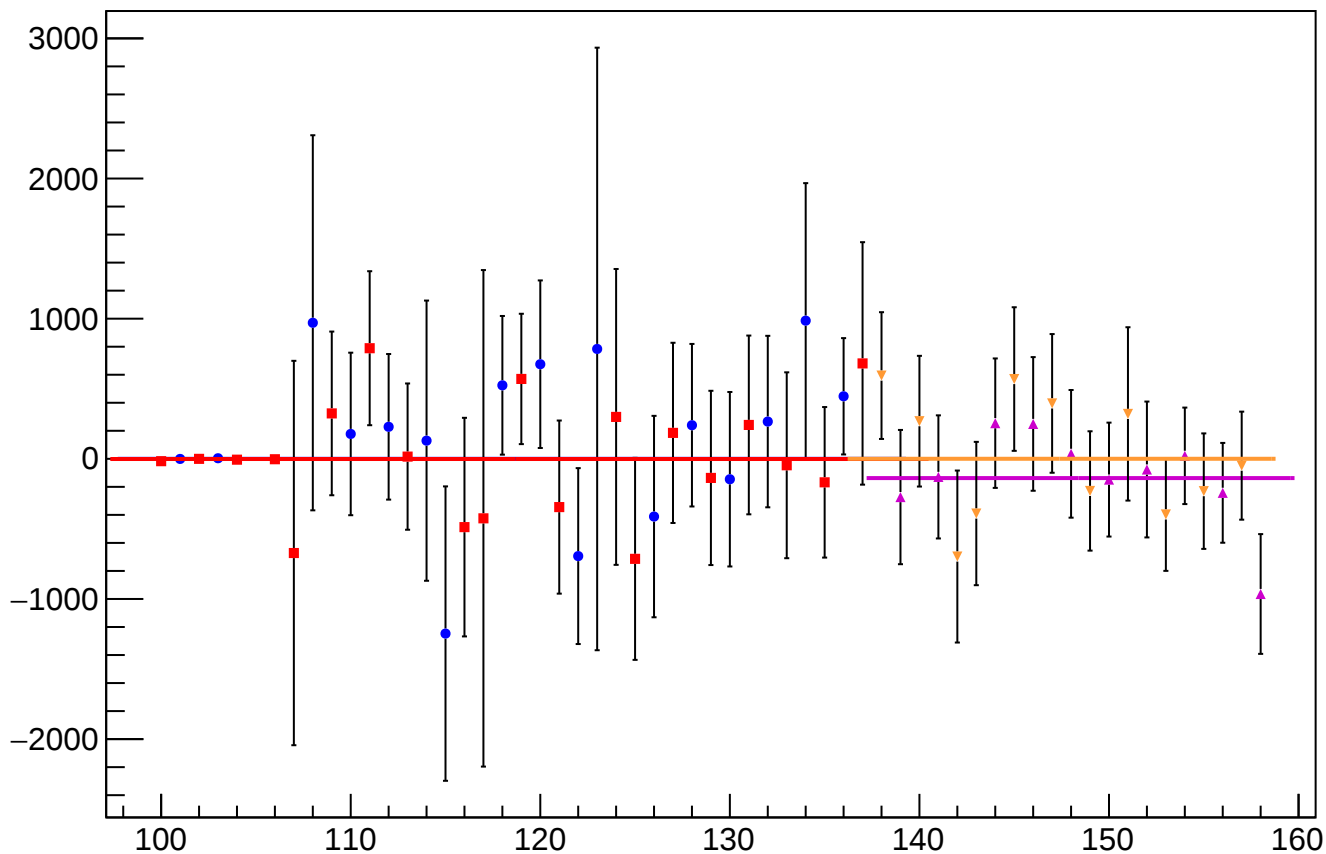
Right Out: 180.217+/-0.060 χ^2/NDF : 4324457.3/19

Left In: 200.528+/-0.053 χ^2/NDF : 1005752.1/9

224.532+/-0.046 χ^2/NDF : 4787186.9/27

191.535+/-0.040 χ^2/NDF : 5395000.3/29

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: 0.333 ± 140.326 χ^2/NDF : 7.7/10

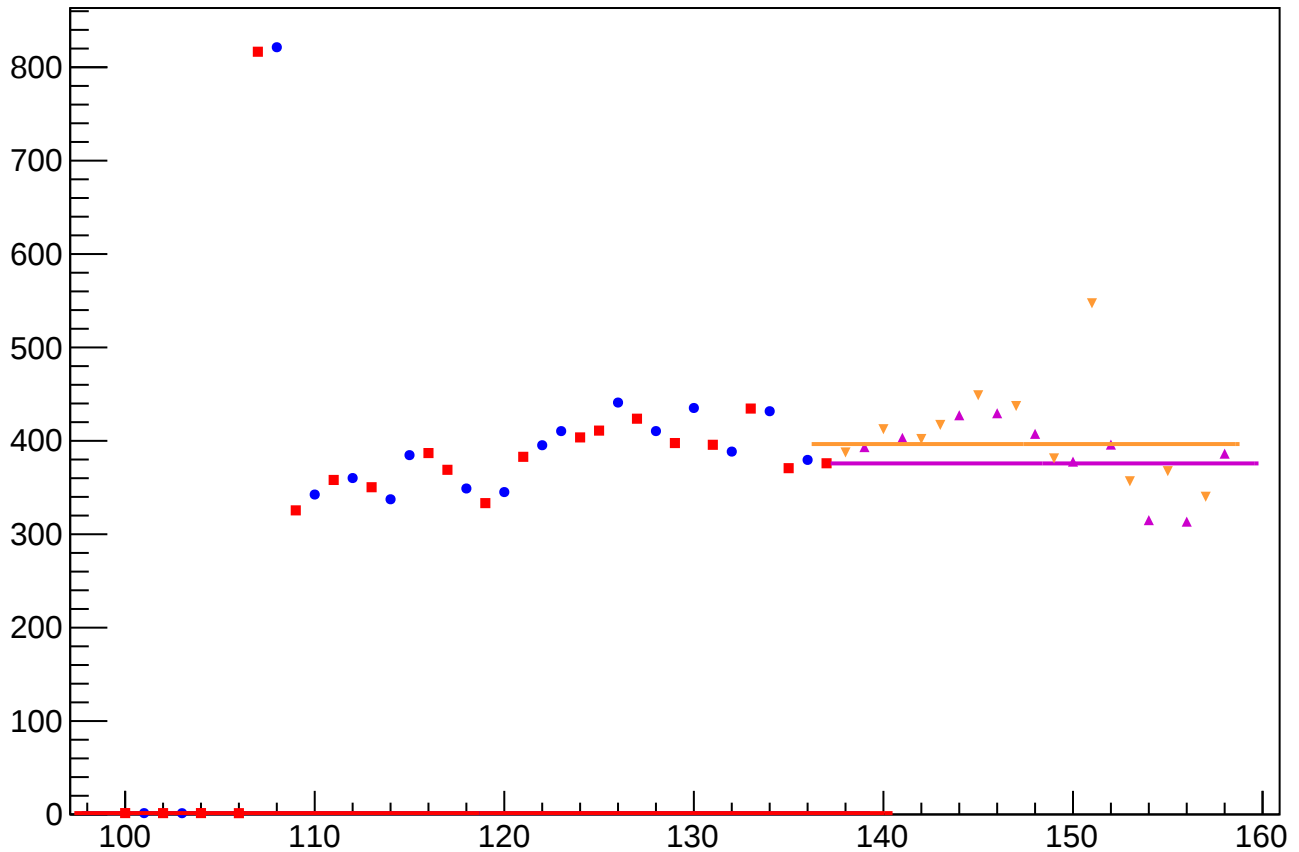
Right Out: -1.324 ± 1.623 χ^2/NDF : 9.7/19

Left In: -137.456 ± 134.160 χ^2/NDF : 5.7/9

-0.138 ± 1.736 χ^2/NDF : 17.4/27

-1.344 ± 1.622 χ^2/NDF : 16.4/29

asym_cav4dQ_rms vs Slug



Right In: 1.453 ± 0.001 χ^2/NDF : 10957986.8/16

Left Out: 396.562 ± 0.099 χ^2/NDF : 234521.3/10

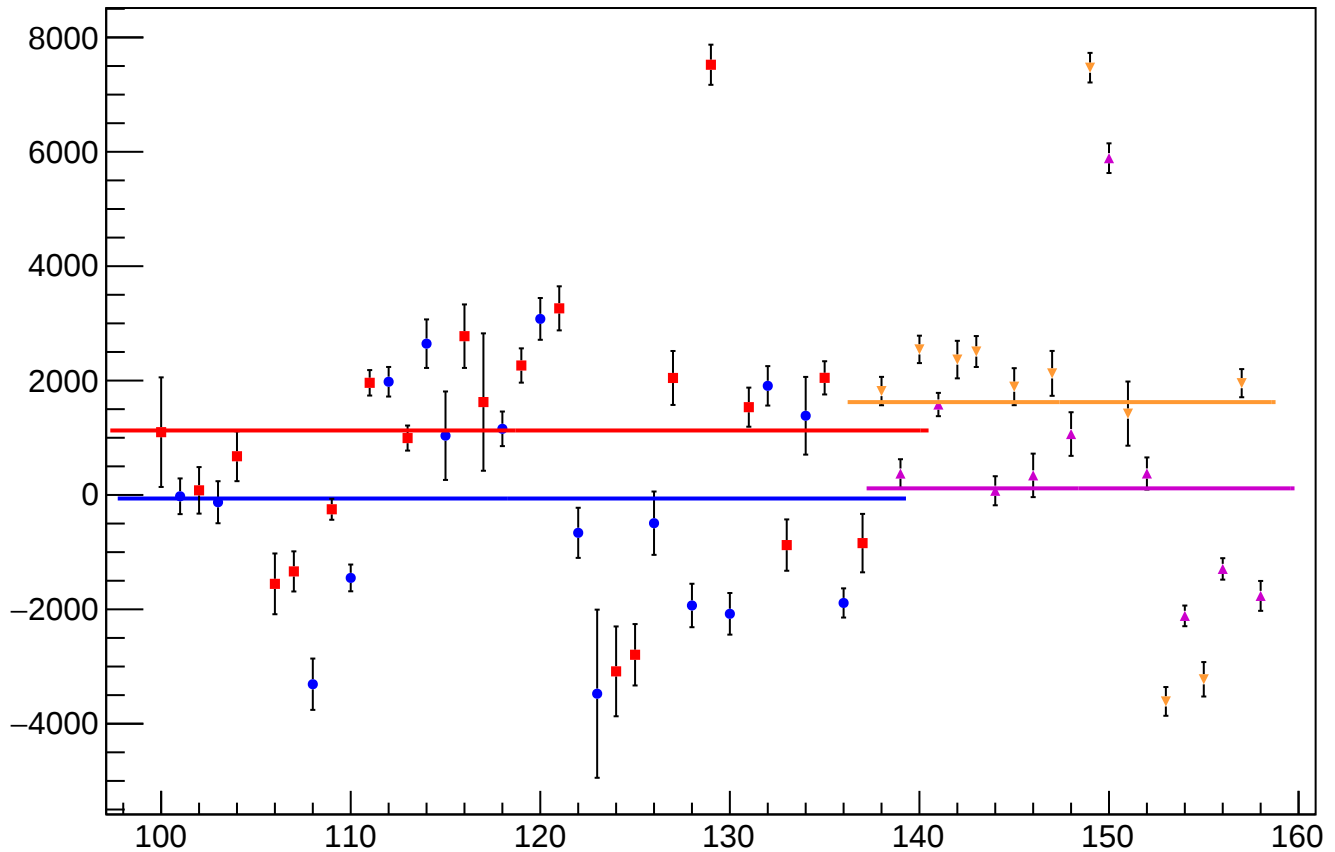
Right Out: 1.451 ± 0.001 χ^2/NDF : 10966832.6/19

Left In: 375.834 ± 0.095 χ^2/NDF : 198629.2/9

1.513 ± 0.001 χ^2/NDF : 27045935.4/27

1.506 ± 0.001 χ^2/NDF : 26737749.0/29

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 χ^2/NDF : 433.9/16

Left Out: 1623.506 ± 86.349 χ^2/NDF : 1238.3/10

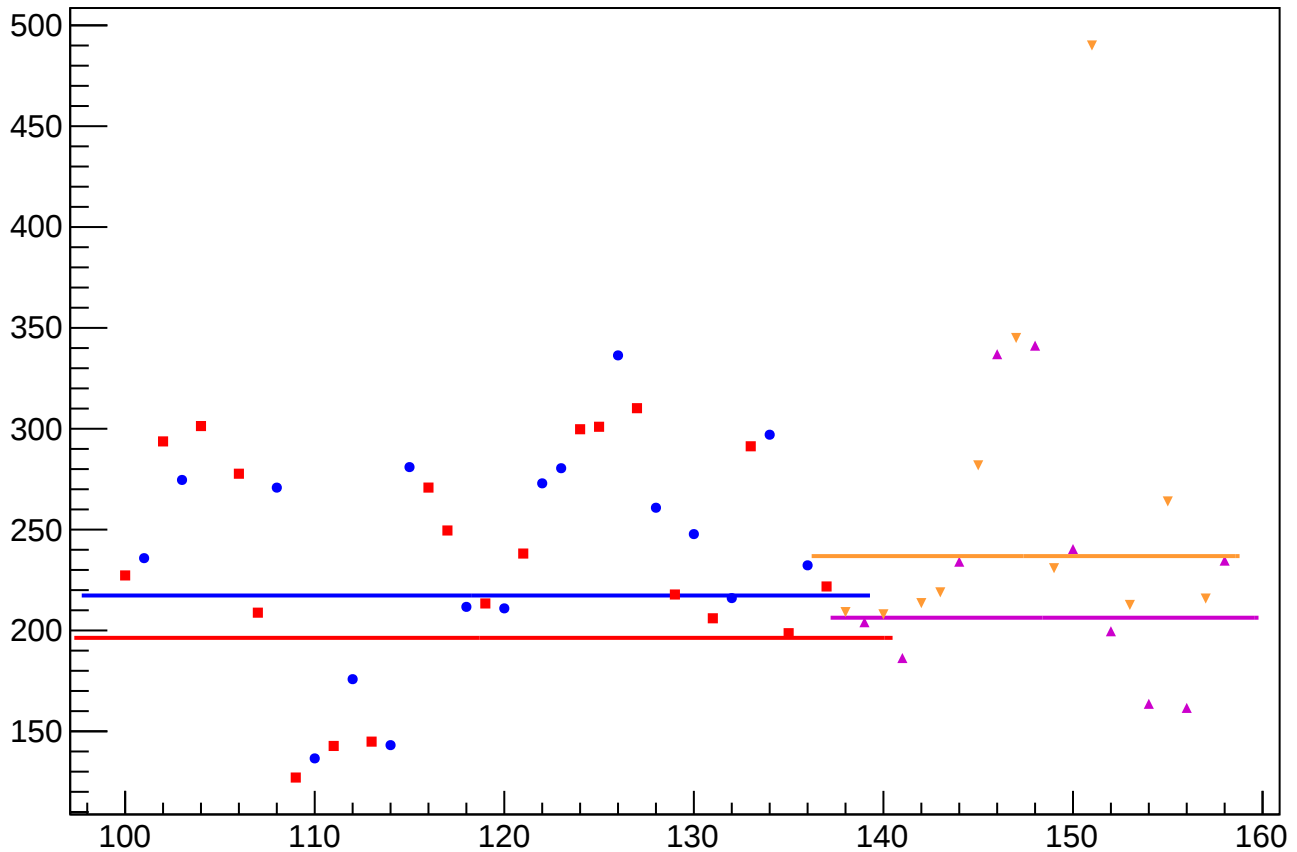
Right Out: 1127.552 ± 78.203 χ^2/NDF : 671.4/19

Left In: 115.346 ± 76.559 χ^2/NDF : 816.0/9

791.098 ± 61.434 χ^2/NDF : 1860.4/27

610.696 ± 54.707 χ^2/NDF : 1572.9/29

asym_bcm0l02_rms vs Slug



Right In: 217.330 ± 0.062 χ^2/NDF : 652722.5/16

Left Out: 236.861 ± 0.061 χ^2/NDF : 721148.6/10

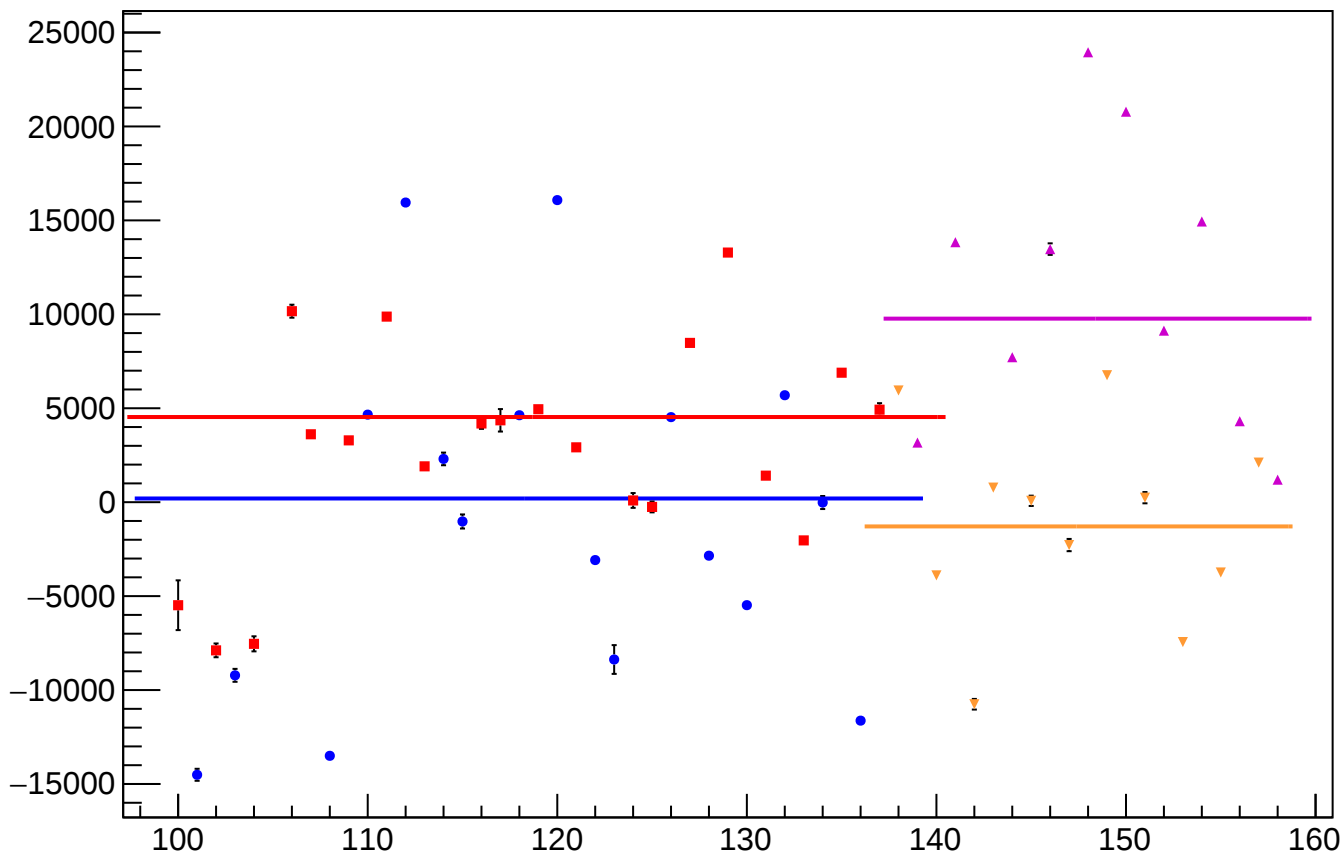
Right Out: 196.332 ± 0.055 χ^2/NDF : 1194678.0/19

Left In: 206.314 ± 0.054 χ^2/NDF : 813986.7/9

227.216 ± 0.043 χ^2/NDF : 1424397.9/27

201.429 ± 0.039 χ^2/NDF : 2025303.6/29

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 ± 54.799 χ^2/NDF : 30658.3/16

Left Out: -1290.533 ± 62.347 χ^2/NDF : 6470.0/10

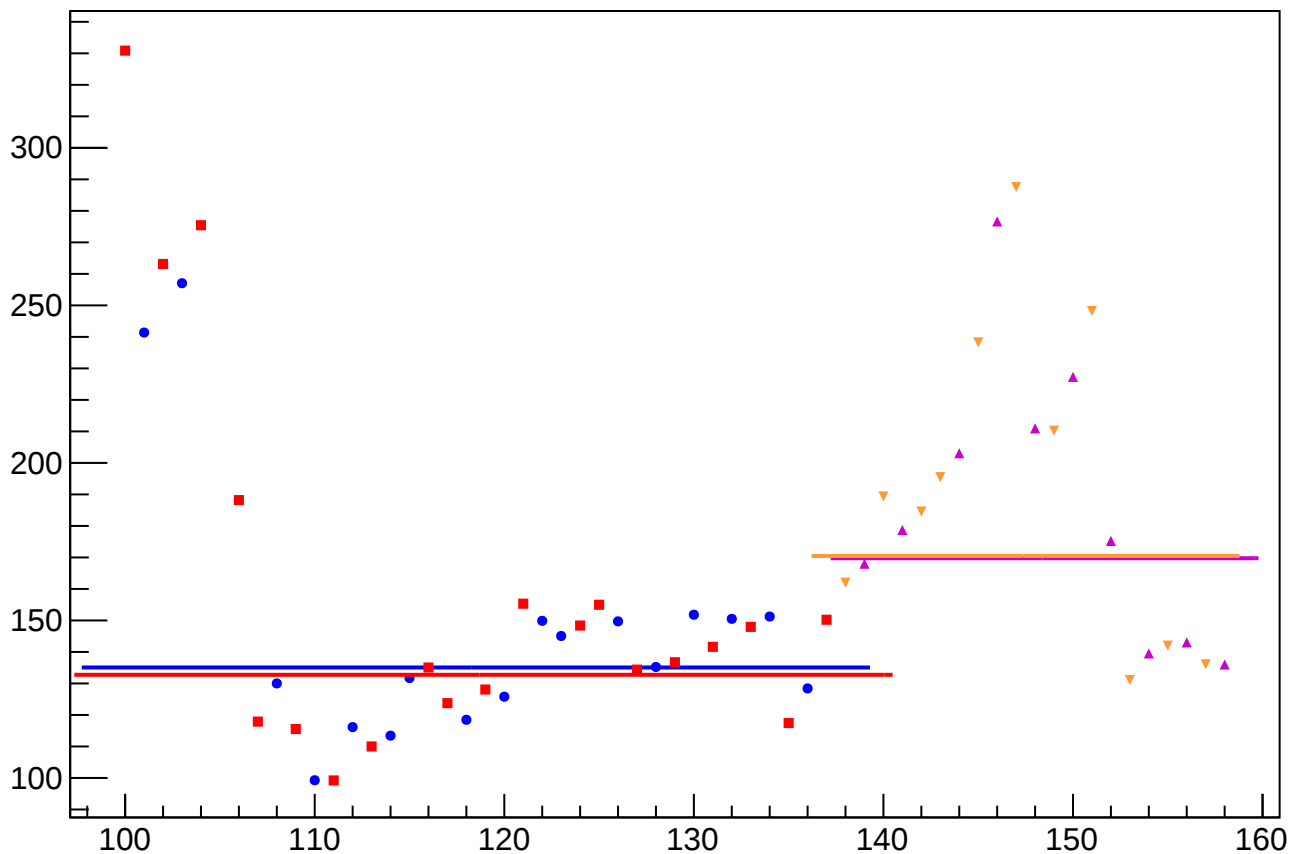
Right Out: 4532.856 ± 52.261 χ^2/NDF : 7477.3/19

Left In: 9770.111 ± 62.433 χ^2/NDF : 12539.8/9

-451.306 ± 41.160 χ^2/NDF : 37449.5/27

6690.616 ± 40.074 χ^2/NDF : 24154.8/29

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 ± 0.039 χ^2/NDF : 658703.5/16

Left Out: 170.471 ± 0.044 χ^2/NDF : 921328.1/10

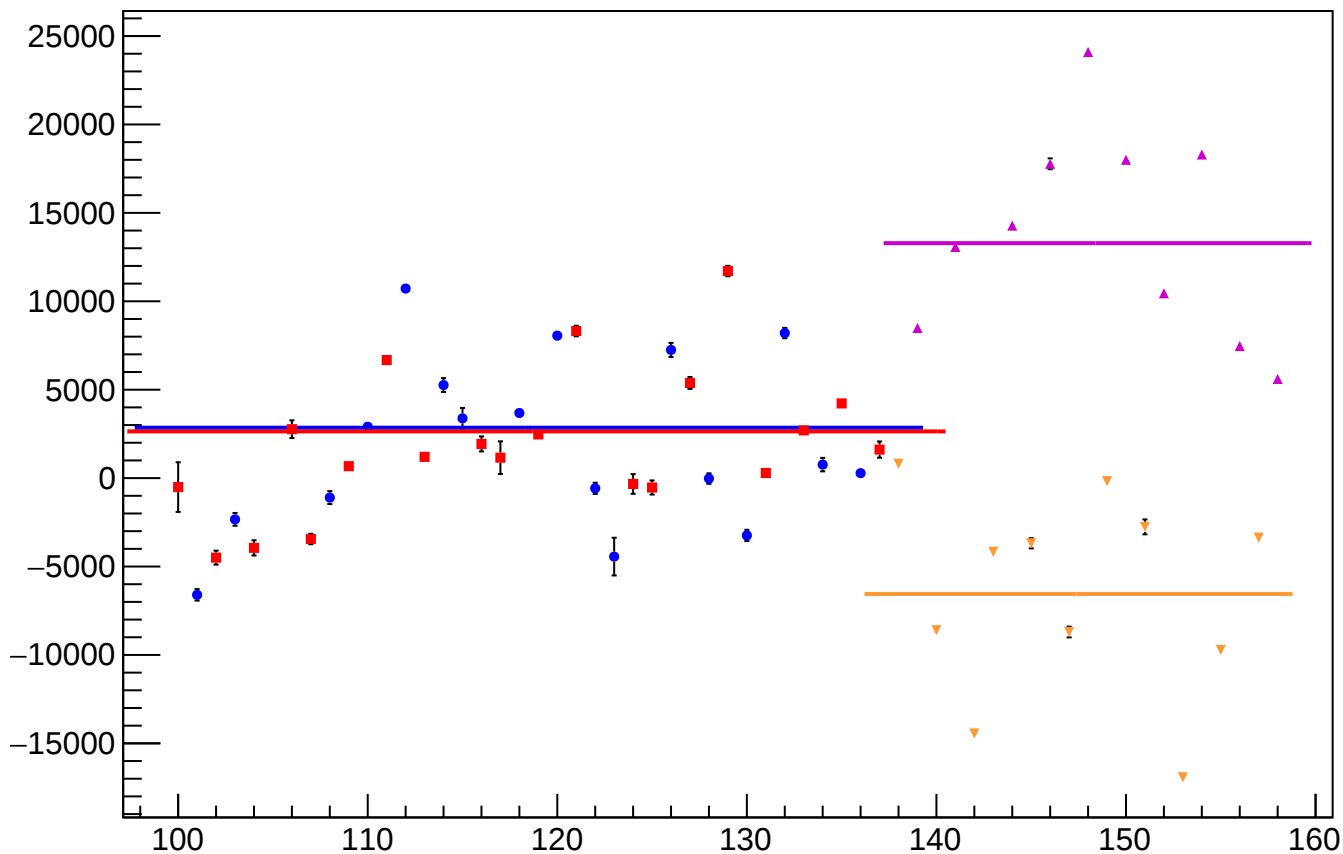
Right Out: 132.747 ± 0.037 χ^2/NDF : 831647.2/19

Left In: 169.747 ± 0.044 χ^2/NDF : 691197.7/9

150.500 ± 0.029 χ^2/NDF : 1943773.0/27

147.991 ± 0.028 χ^2/NDF : 1935870.6/29

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -6551.512+/-71.498 χ^2/NDF : 6586.4/10

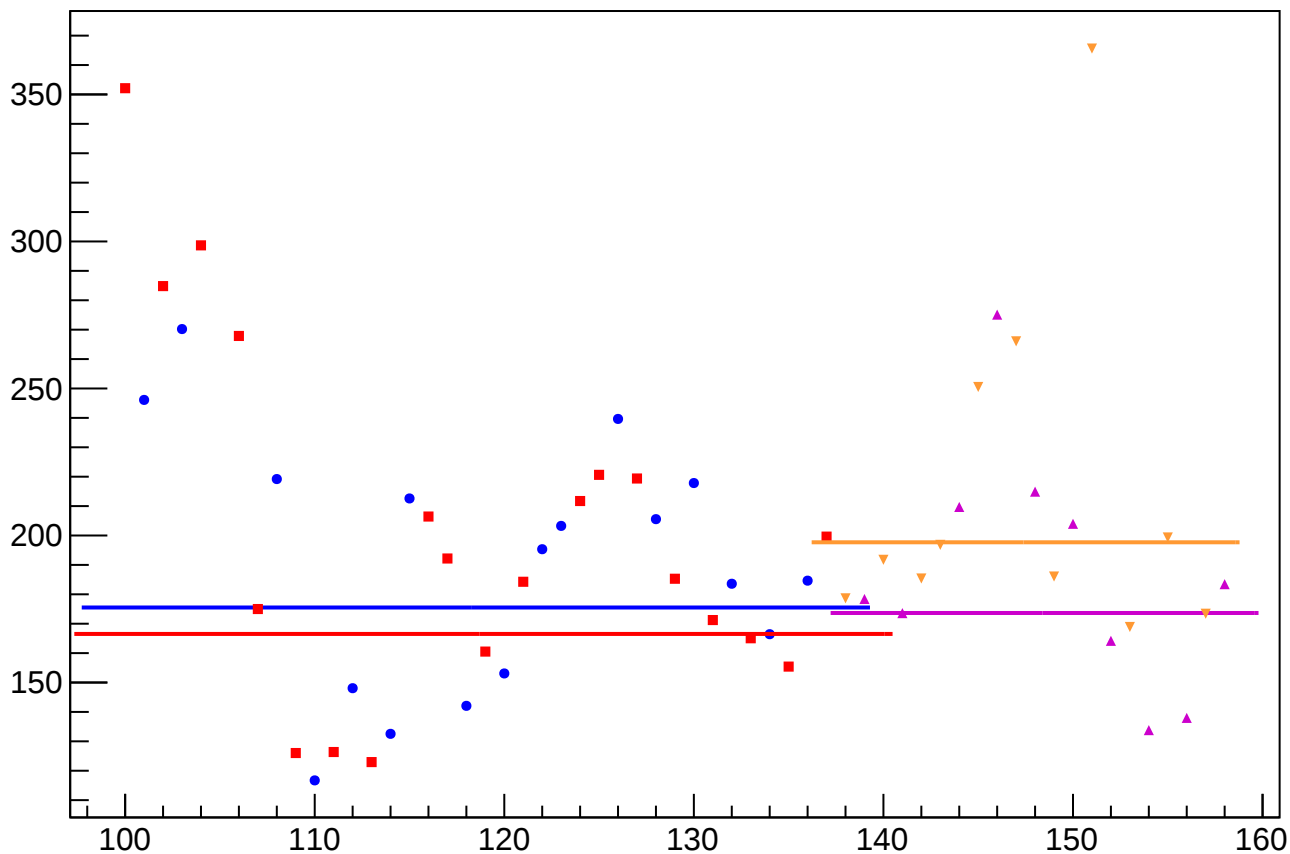
Right Out: 2641.642+/-65.566 χ^2/NDF : 3178.3/19

Left In: 13287.354+/-63.899 χ^2/NDF : 7196.0/9

-1800.802+/-50.291 χ^2/NDF : 19502.9/27

8101.525+/-45.761 χ^2/NDF : 23895.2/29

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514+/-0.050 χ^2/NDF : 689642.3/16

Left Out: 197.690+/-0.051 χ^2/NDF : 587347.3/10

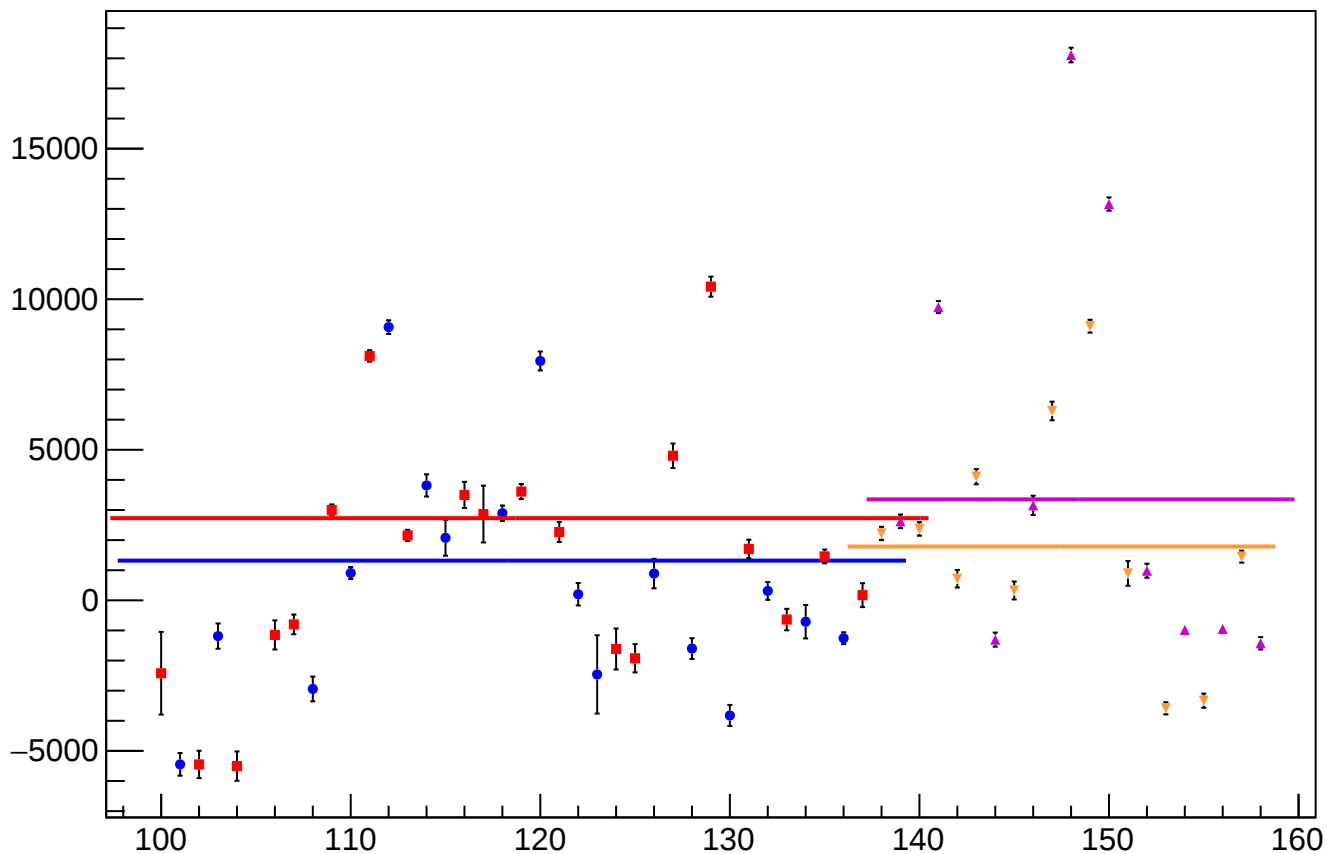
Right Out: 166.522+/-0.046 χ^2/NDF : 931079.9/19

Left In: 173.648+/-0.045 χ^2/NDF : 619331.0/9

186.486+/-0.036 χ^2/NDF : 1374192.3/27

170.177+/-0.032 χ^2/NDF : 1562525.3/29

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009 ± 77.146 χ^2/NDF : 2667.0/16

Left Out: 1787.827 ± 73.578 χ^2/NDF : 2702.4/10

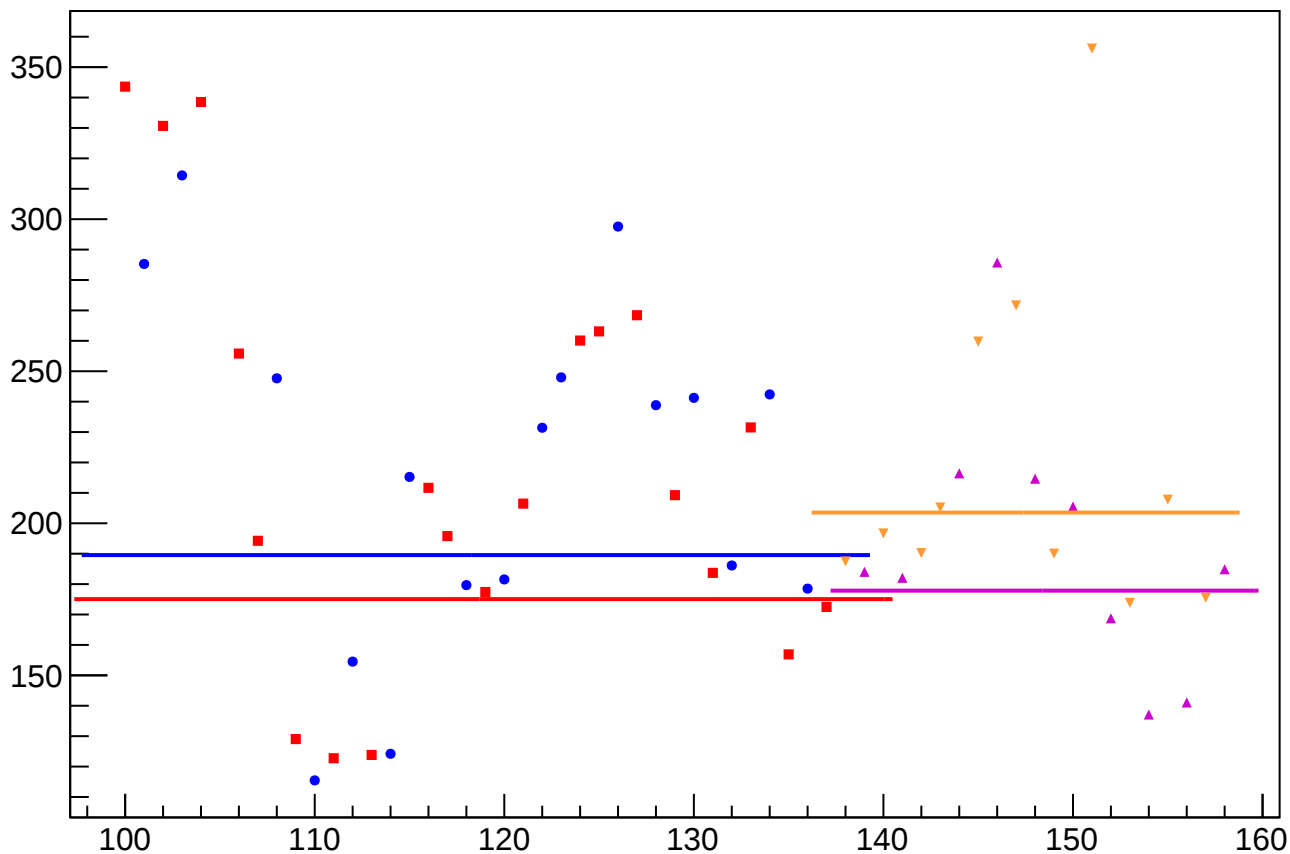
Right Out: 2728.550 ± 69.837 χ^2/NDF : 2495.9/19

Left In: 3352.916 ± 65.484 χ^2/NDF : 9205.6/9

1564.510 ± 53.244 χ^2/NDF : 5388.7/27

3060.797 ± 47.769 χ^2/NDF : 11744.1/29

asym_bpm0i05WS_rms vs Slug



Right In: 189.544+/-0.055 χ^2/NDF : 980744.6/16

Left Out: 203.529+/-0.052 χ^2/NDF : 550364.3/10

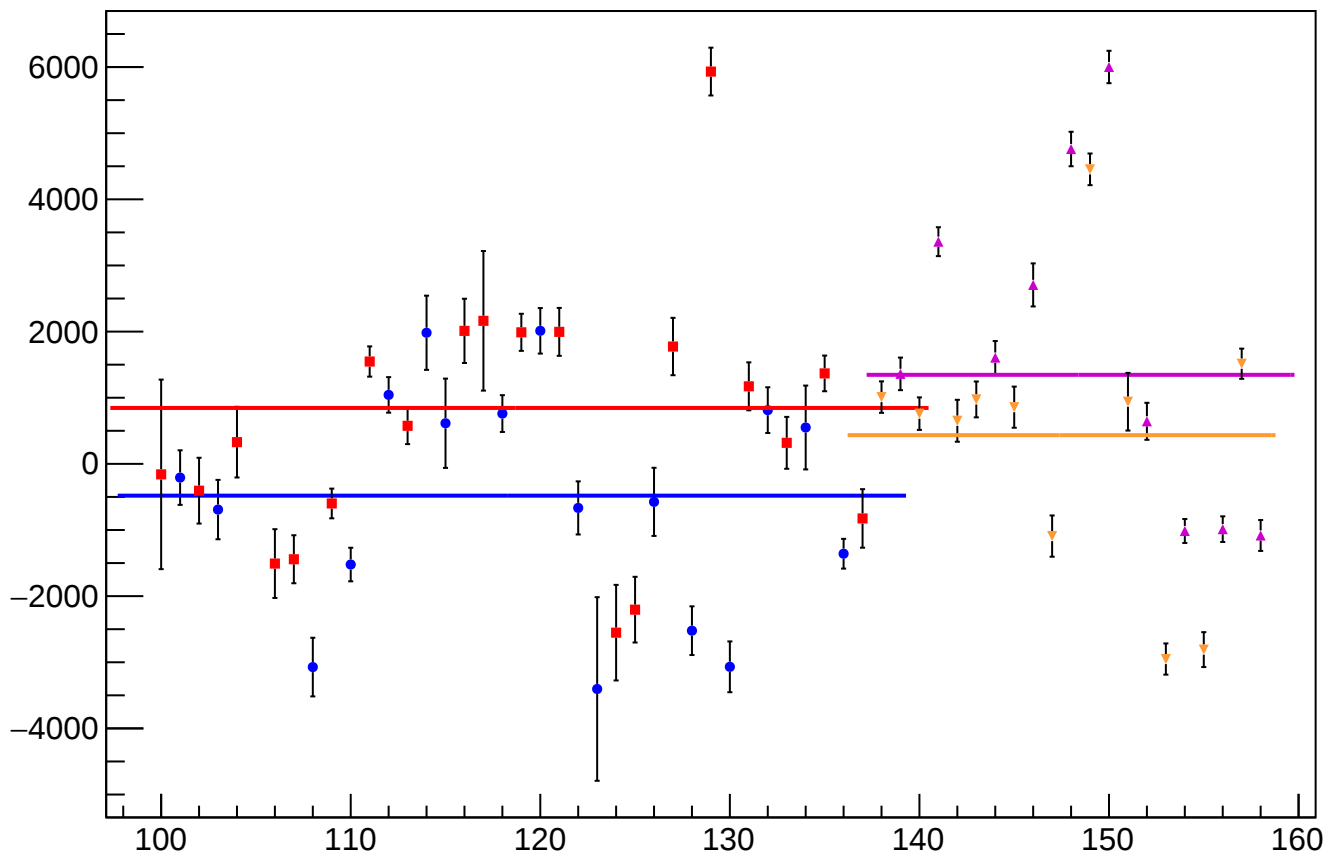
Right Out: 175.058+/-0.049 χ^2/NDF : 1298079.7/19

Left In: 177.852+/-0.046 χ^2/NDF : 613036.1/9

196.868+/-0.038 χ^2/NDF : 1565523.9/27

176.545+/-0.034 χ^2/NDF : 1912819.1/29

asym_bpm0i07WS_mean vs Slug



Right In: -480.578+/-88.640 χ^2/NDF : 290.7/16

Left Out: 434.203+/-80.952 χ^2/NDF : 700.4/10

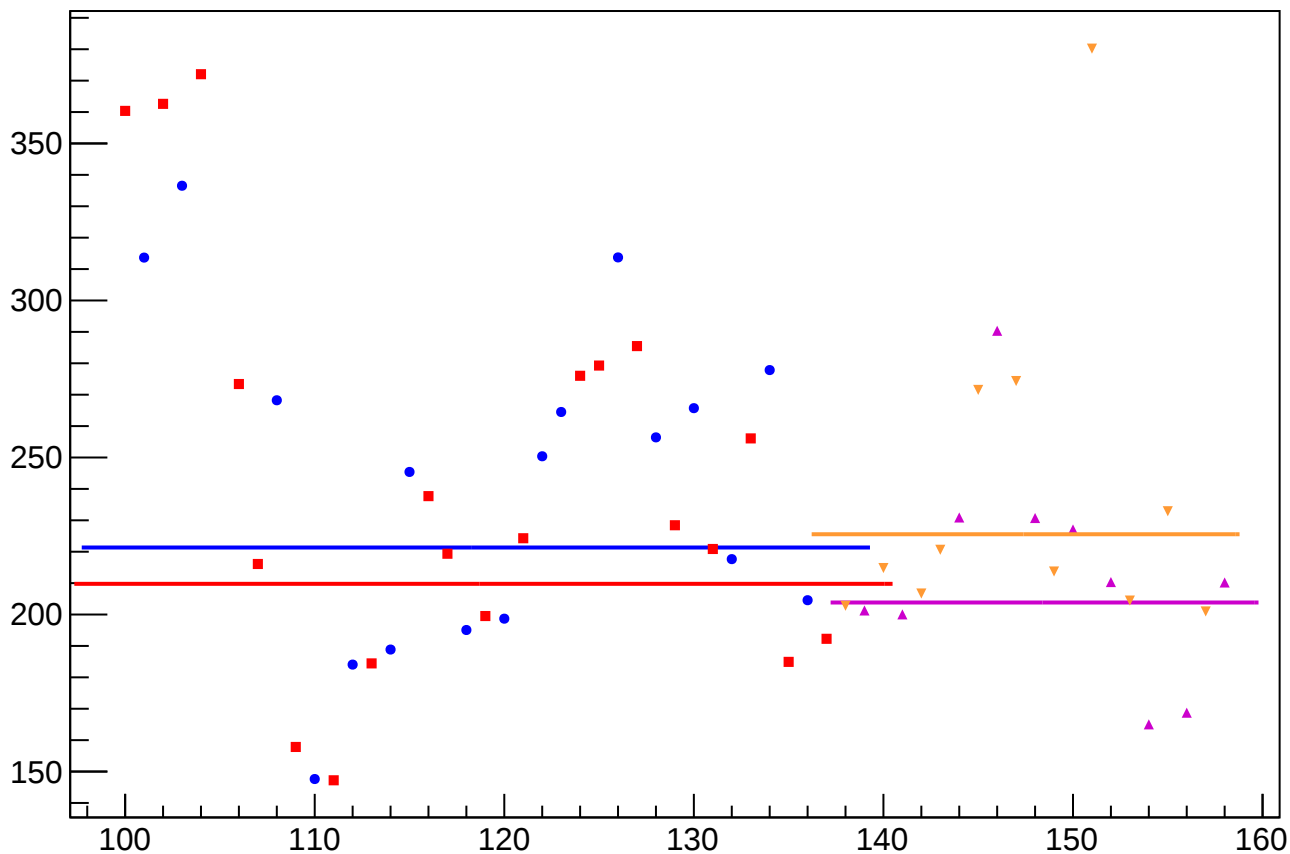
Right Out: 845.444+/-81.995 χ^2/NDF : 436.9/19

Left In: 1346.330+/-74.059 χ^2/NDF : 1065.0/9

18.201+/-59.775 χ^2/NDF : 1049.2/27

1121.291+/-54.960 χ^2/NDF : 1522.4/29

asym_bpm0i07WS_rms vs Slug



Right In: 221.342+/-0.063 χ^2/NDF : 645688.1/16

Left Out: 225.564+/-0.057 χ^2/NDF : 419352.1/10

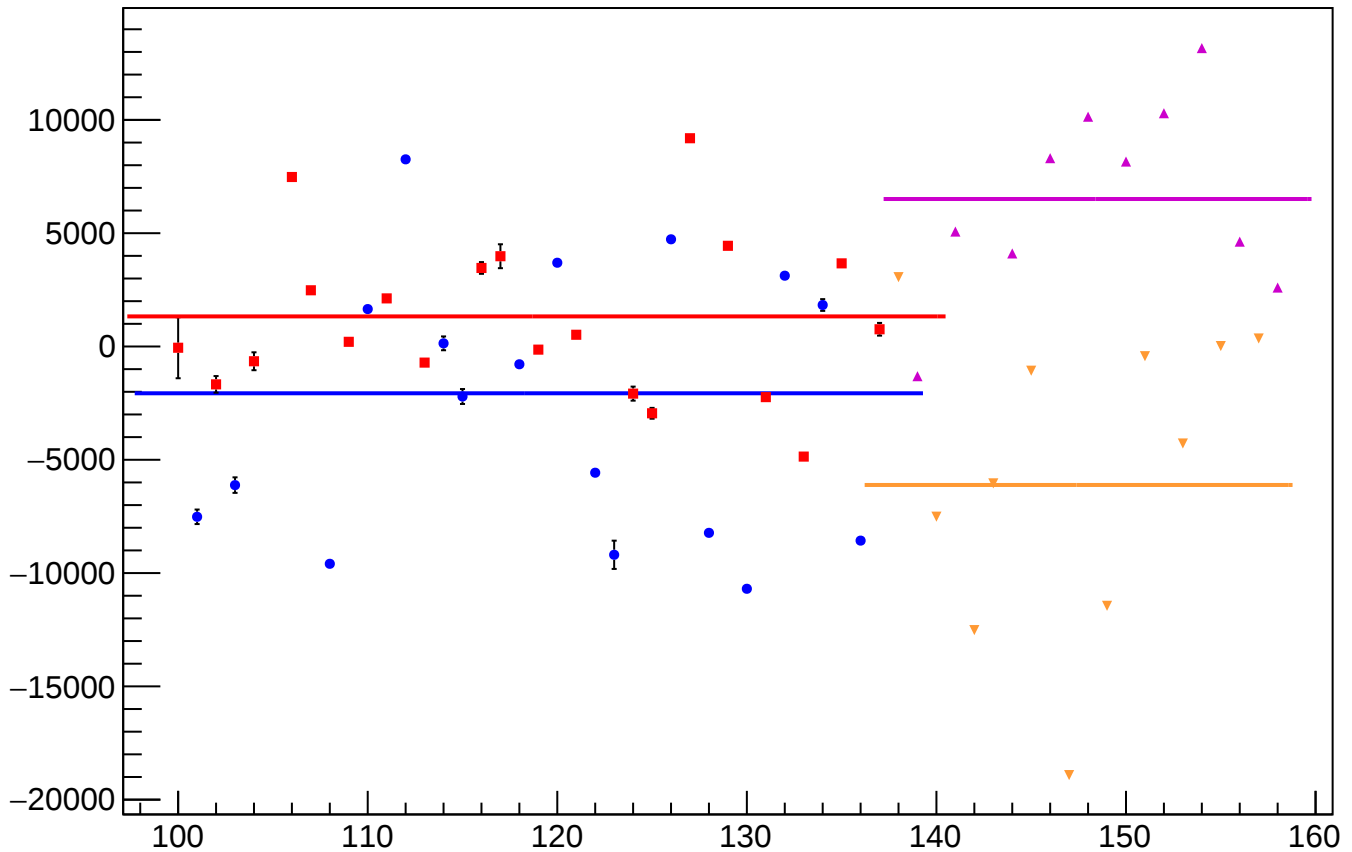
Right Out: 209.775+/-0.058 χ^2/NDF : 884083.7/19

Left In: 203.829+/-0.052 χ^2/NDF : 364490.9/9

223.644+/-0.042 χ^2/NDF : 1067513.9/27

206.500+/-0.039 χ^2/NDF : 1254366.6/29

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -6111.595 ± 41.332 $\chi^2/\text{NDF}: 26199.5/10$

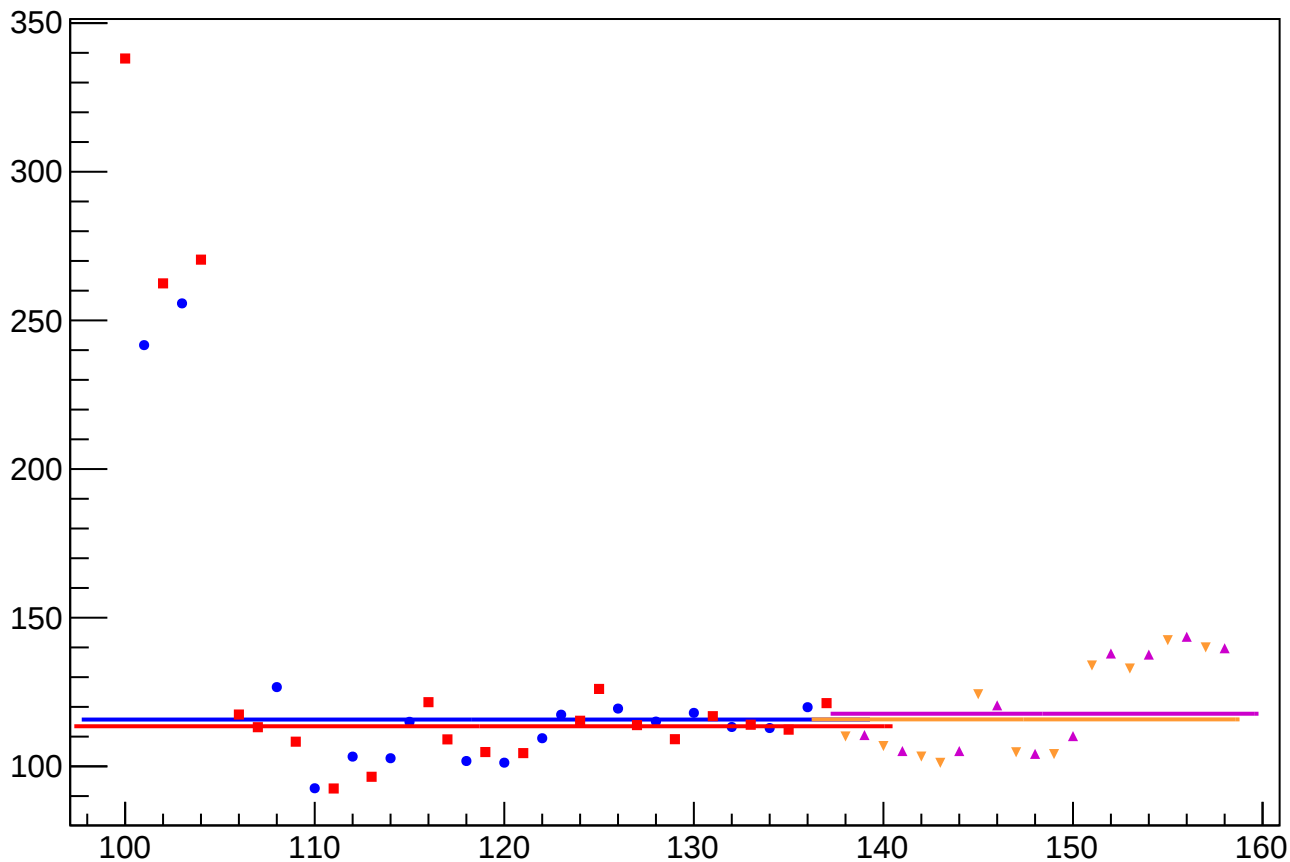
Right Out: 1327.819 ± 44.838 $\chi^2/\text{NDF}: 5919.9/19$

Left In: 6509.028 ± 41.987 $\chi^2/\text{NDF}: 8507.5/9$

-4360.518 ± 31.130 $\chi^2/\text{NDF}: 46880.4/27$

4088.368 ± 30.648 $\chi^2/\text{NDF}: 21541.6/29$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 ± 0.033 χ^2/NDF : 744017.7/16

Left Out: 115.796 ± 0.029 χ^2/NDF : 254449.8/10

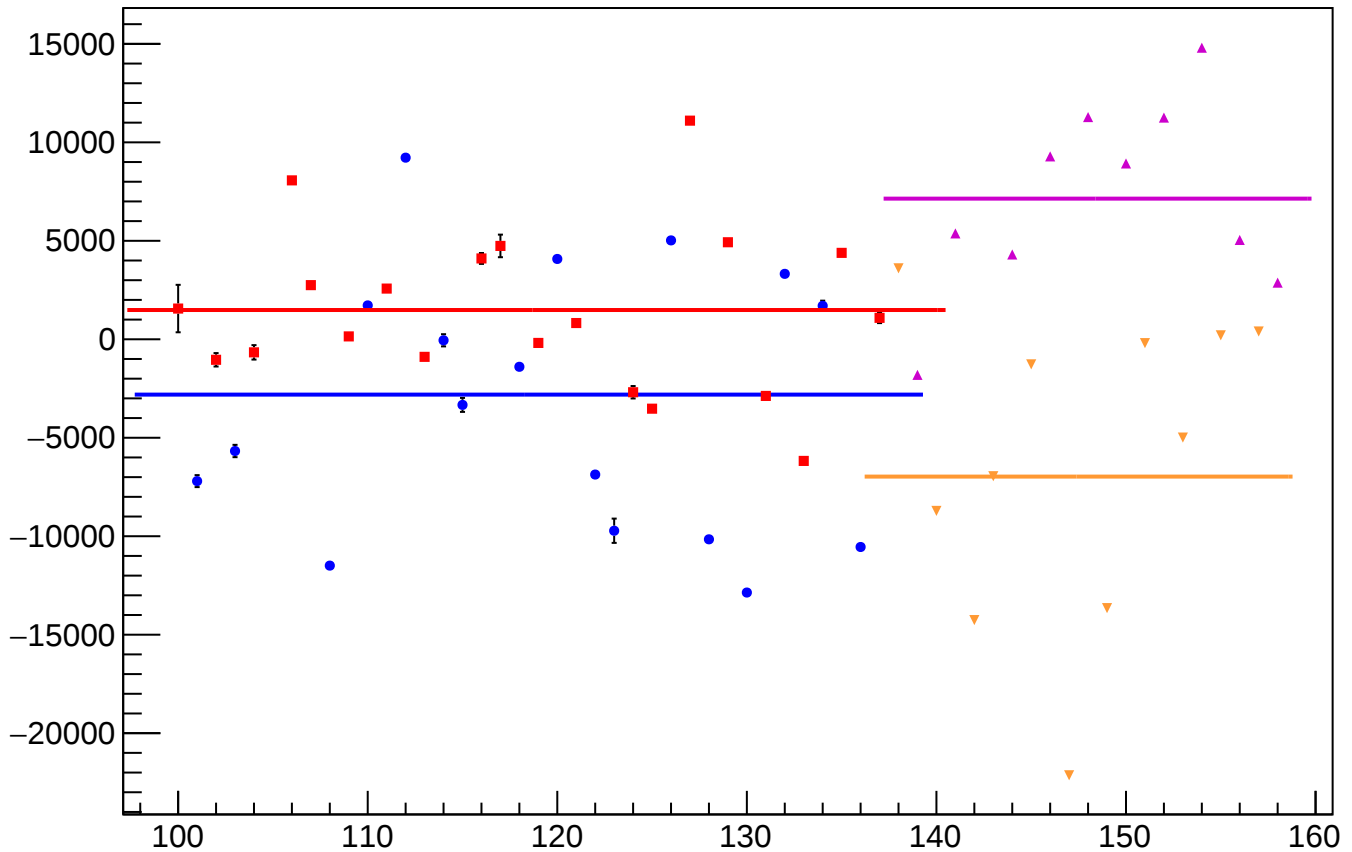
Right Out: 113.487 ± 0.032 χ^2/NDF : 796781.7/19

Left In: 117.699 ± 0.030 χ^2/NDF : 248602.3/9

115.772 ± 0.022 χ^2/NDF : 998469.0/27

115.731 ± 0.022 χ^2/NDF : 1054788.4/29

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101 $\pm$ 48.284 χ^2/NDF : 21263.1/16

Left Out: -6971.853 $\pm$ 44.129 χ^2/NDF : 31482.1/10

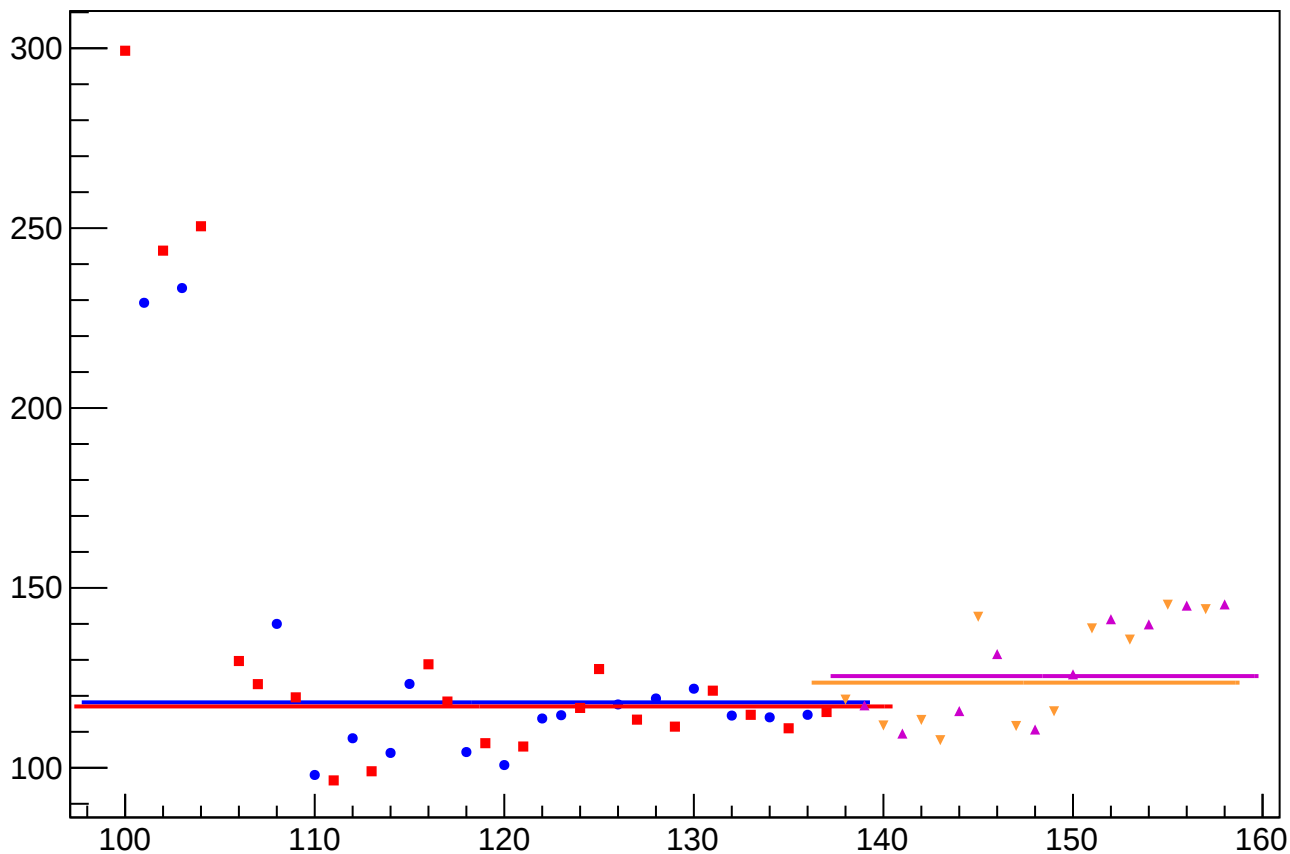
Right Out: 1486.369 $\pm$ 46.243 χ^2/NDF : 8037.1/19

Left In: 7141.926 $\pm$ 44.727 χ^2/NDF : 10000.1/9

-5077.279 $\pm$ 32.574 χ^2/NDF : 56795.1/27

4408.387 $\pm$ 32.149 χ^2/NDF : 25765.1/29

asym_bpm2i01WS_rms vs Slug



Right In: 118.188 ± 0.034 χ^2/NDF : 636252.0/16

Left Out: 123.672 ± 0.031 χ^2/NDF : 201558.8/10

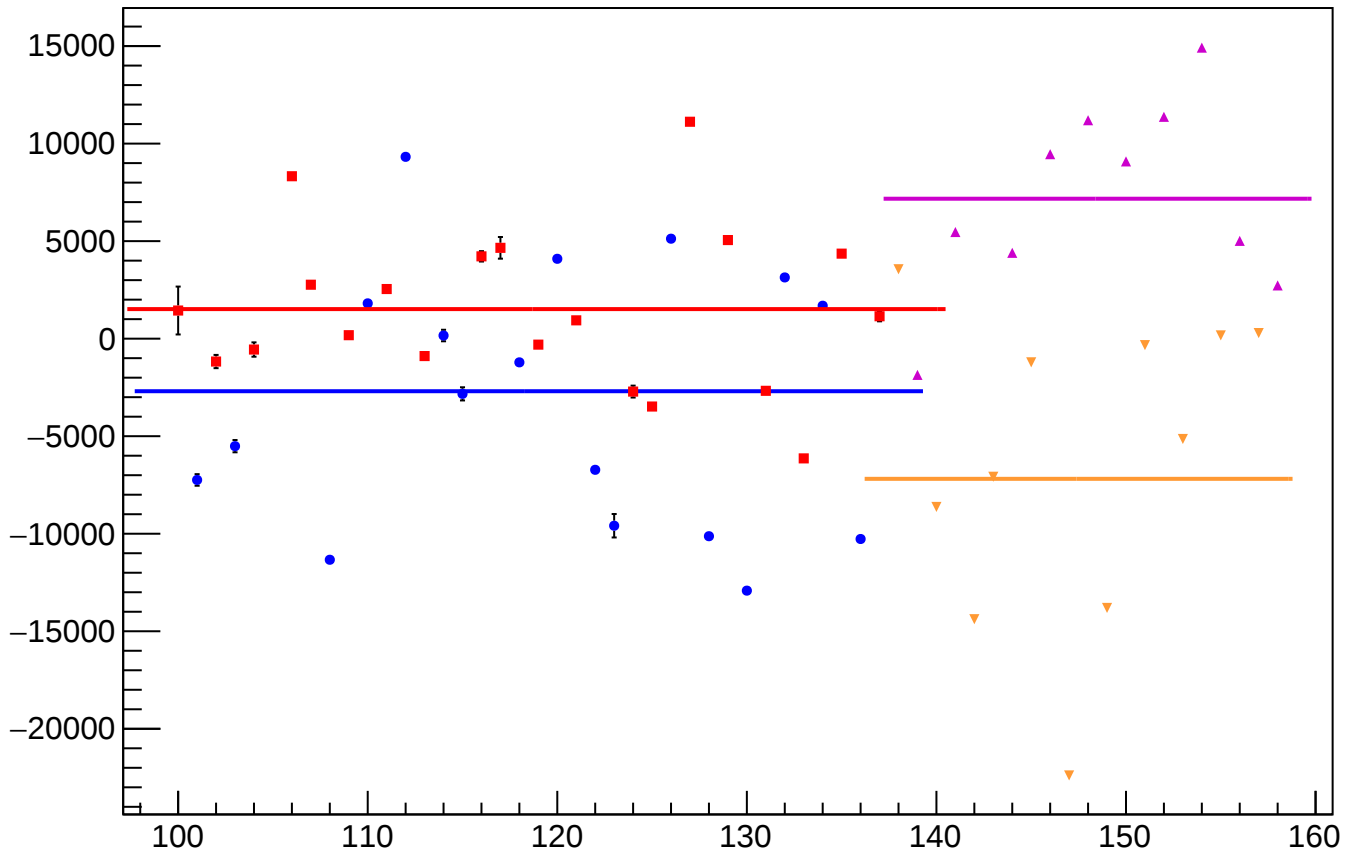
Right Out: 117.054 ± 0.033 χ^2/NDF : 690646.8/19

Left In: 125.493 ± 0.032 χ^2/NDF : 181122.0/9

121.176 ± 0.023 χ^2/NDF : 851868.9/27

121.414 ± 0.023 χ^2/NDF : 906178.0/29

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 ± 46.347 $\chi^2/\text{NDF}: 22860.3/16$

Left Out: -7185.532 ± 42.897 $\chi^2/\text{NDF}: 34409.7/10$

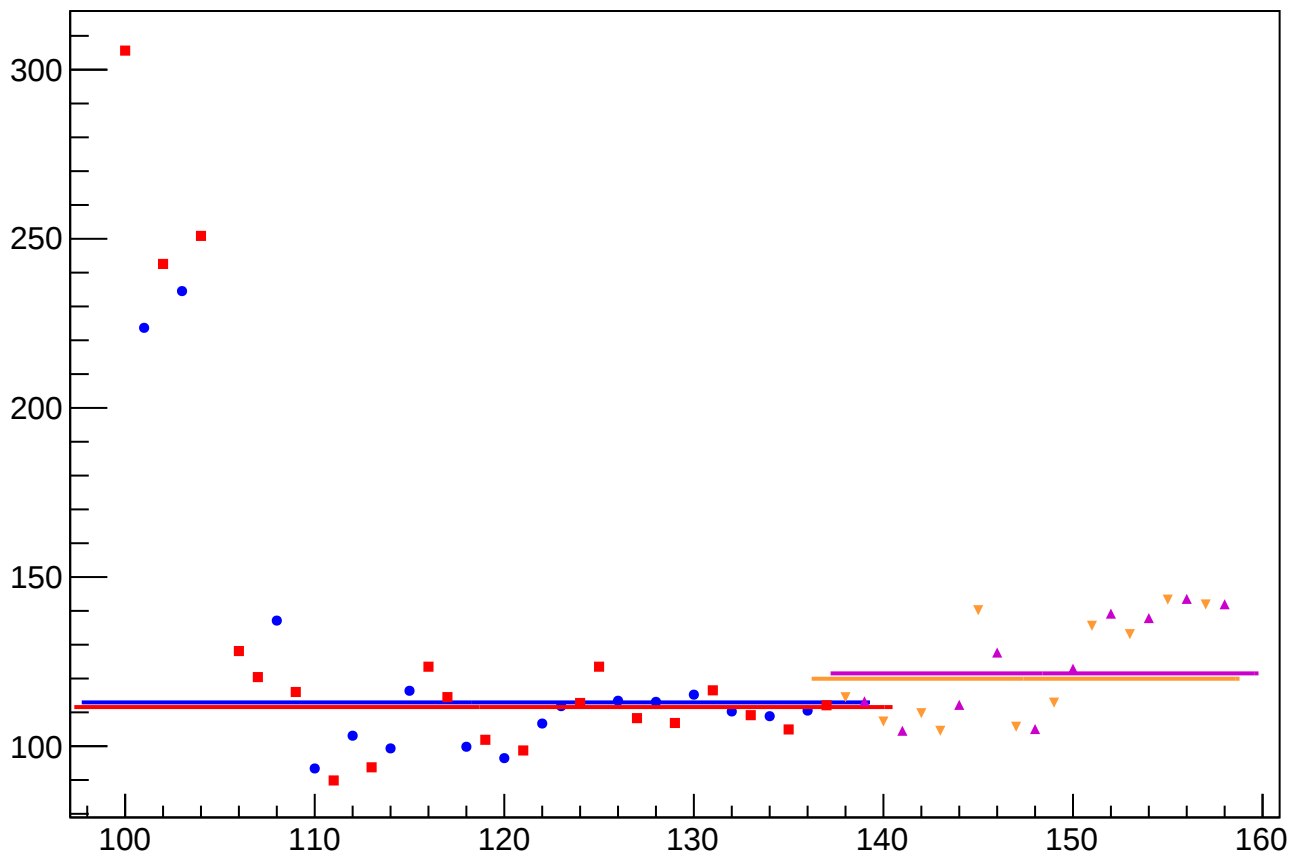
Right Out: 1515.863 ± 44.303 $\chi^2/\text{NDF}: 8749.3/19$

Left In: 7174.359 ± 43.424 $\chi^2/\text{NDF}: 10763.3/9$

-5113.271 ± 31.482 $\chi^2/\text{NDF}: 62327.8/27$

4401.816 ± 31.011 $\chi^2/\text{NDF}: 27832.6/29$

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 119.939 $\pm$ 0.030 χ^2 /NDF:238710.0/10

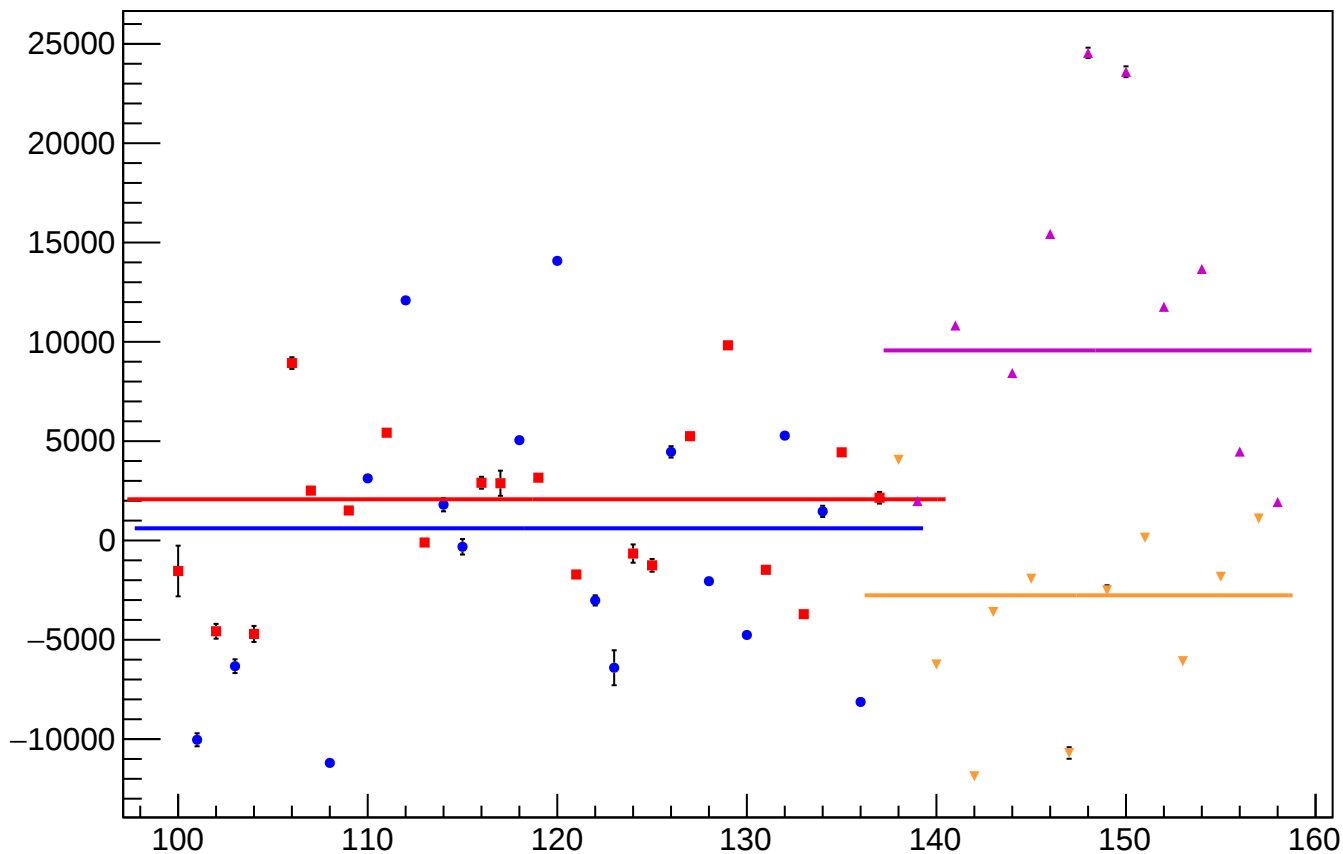
Right Out: 111.562 $\pm$ 0.031 χ^2 /NDF: 765559.1/19

Left In: 121.520 $\pm$ 0.031 χ^2 /NDF:223040.0/9

116.710 $\pm$ 0.022 χ^2 /NDF: 943556.0/27

116.641 $\pm$ 0.022 χ^2 /NDF: 1040124.9/29

asym_bpm0i01WS_mean vs Slug



Right In: 612.621+/-56.062 χ^2/NDF : 18243.4/16

Left Out: -2761.443+/-55.160 χ^2/NDF : 6010.2/10

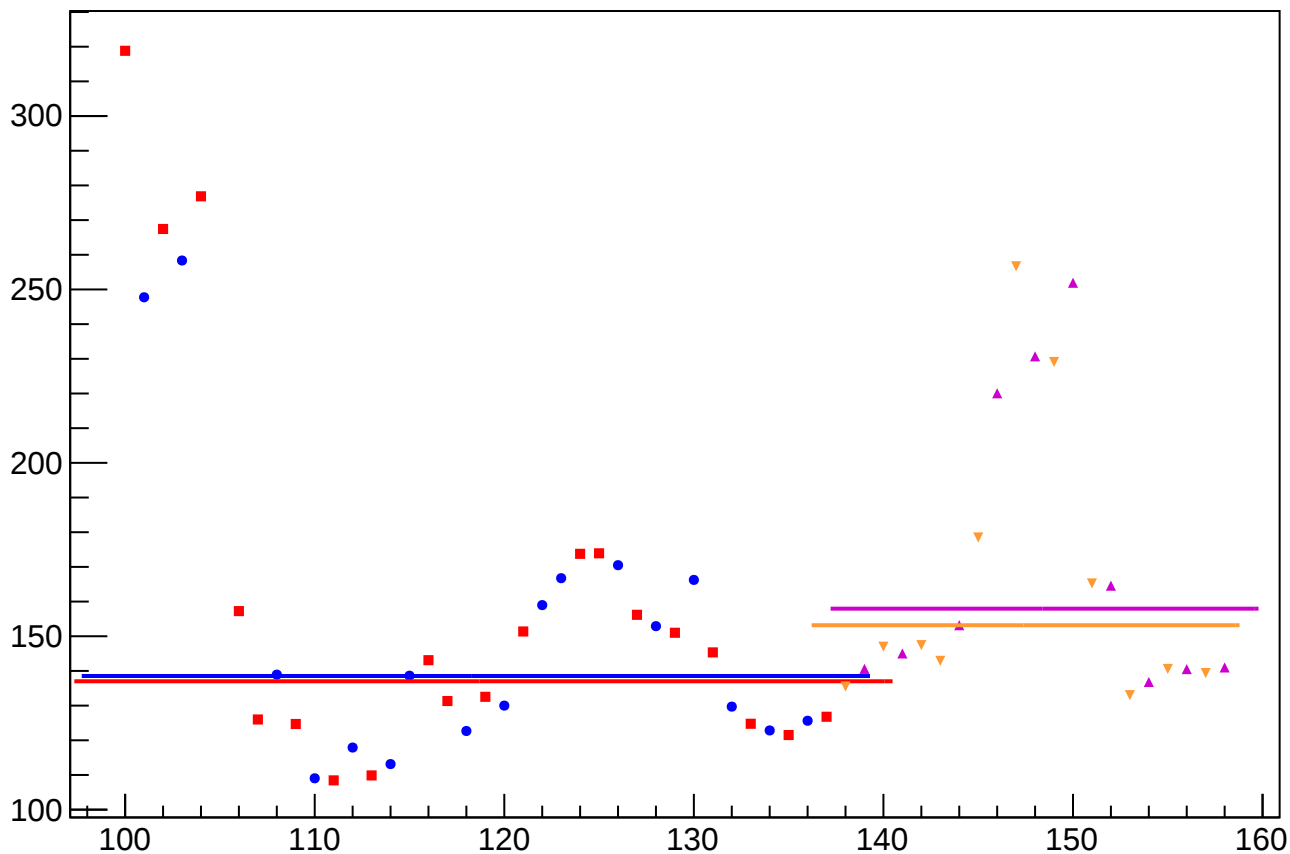
Right Out: 2073.278+/-53.736 χ^2/NDF : 4644.3/19

Left In: 9568.255+/-57.158 χ^2/NDF : 12794.6/9

-1101.774+/-39.319 χ^2/NDF : 26094.0/27

5589.707+/-39.151 χ^2/NDF : 26566.2/29

asym_bpm0i01WS_rms vs Slug



Right In: 138.542+/-0.040 χ^2/NDF : 668941.7/16

Left Out: 153.177+/-0.039 χ^2/NDF : 566069.3/10

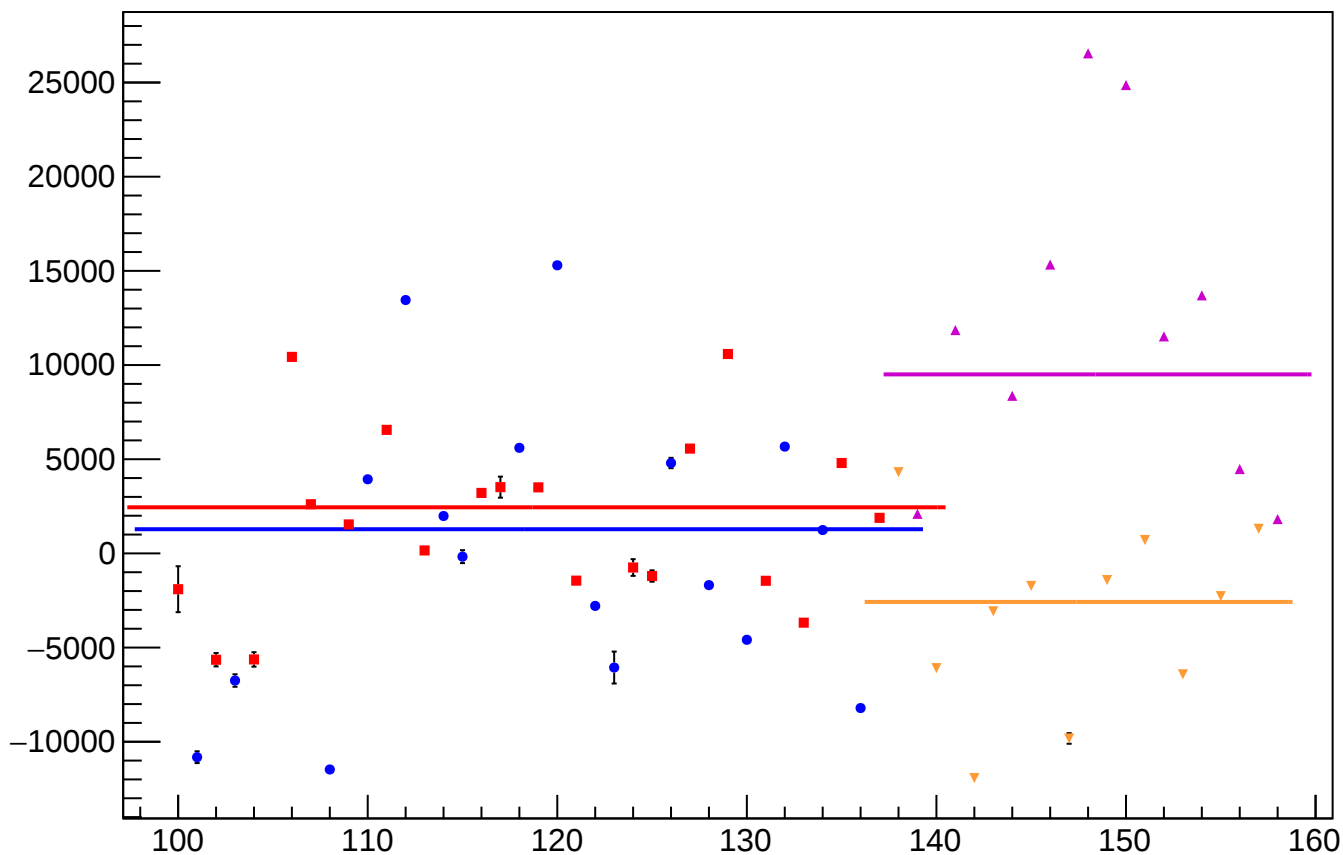
Right Out: 137.019+/-0.038 χ^2/NDF : 755655.0/19

Left In: 157.954+/-0.040 χ^2/NDF : 647534.8/9

145.978+/-0.028 χ^2/NDF : 1304268.3/27

146.841+/-0.028 χ^2/NDF : 1545608.4/29

asym_bpm0i01aWS_mean vs Slug



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -2577.203+/-48.897 χ^2/NDF :8042.8/10

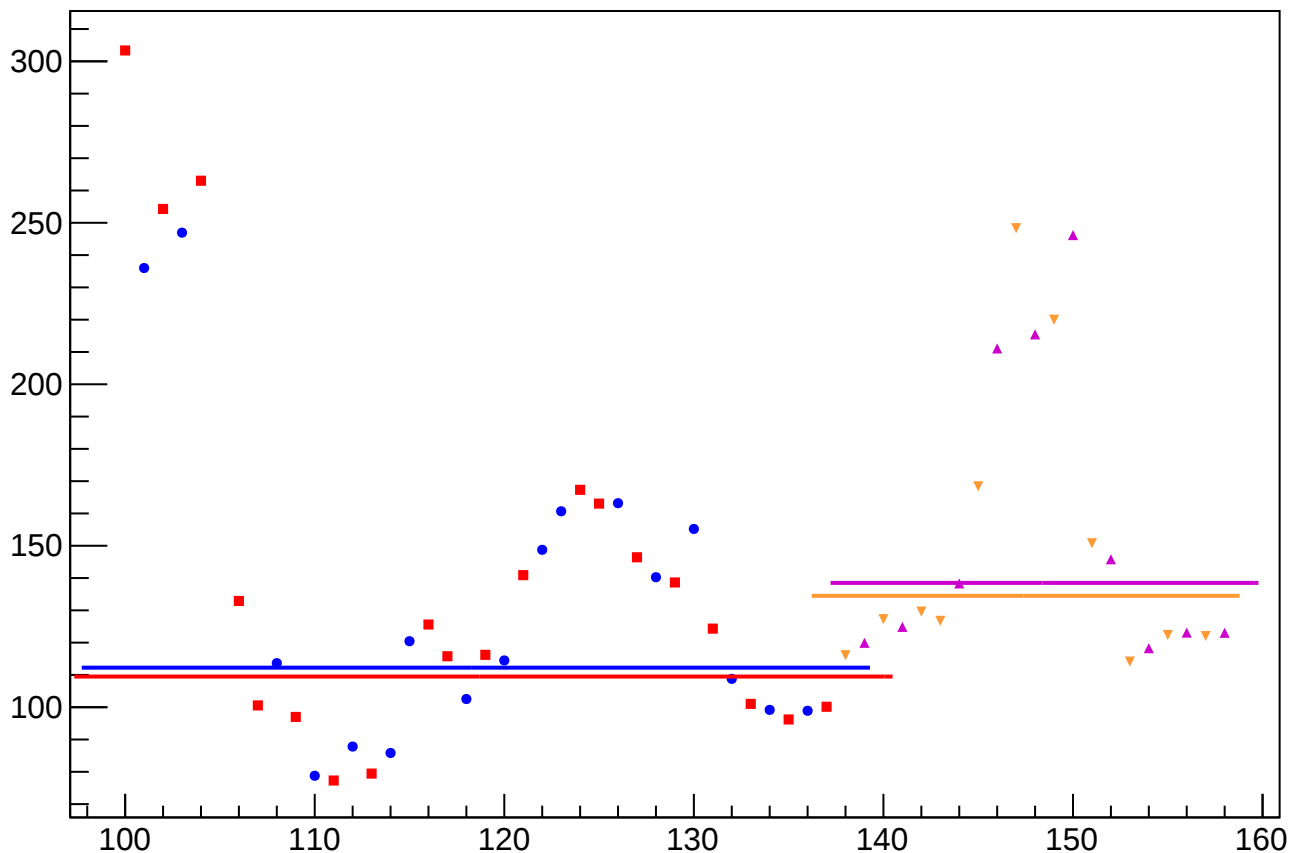
Right Out: 2446.970+/-44.148 χ^2/NDF : 7681.2/19

Left In: 9503.853+/-50.712 χ^2/NDF :17150.1/9

-553.152+/-33.724 χ^2/NDF : 41851.4/27

5489.383+/-33.298 χ^2/NDF : 35847.0/29

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 134.499+/-0.035 χ^2/NDF : 774005.0/10

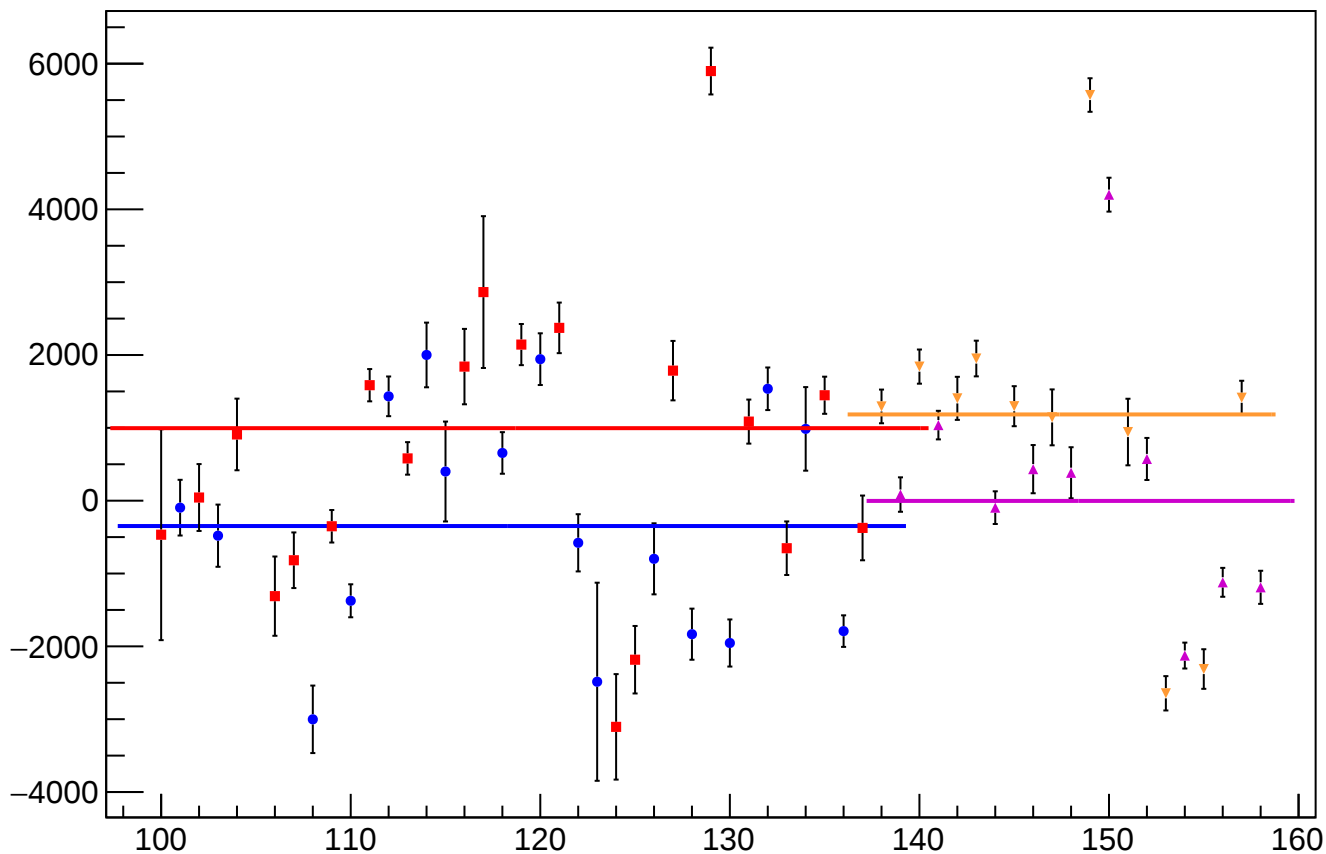
Right Out: 109.500+/-0.031 χ^2/NDF : 1269887.8/19

Left In: 138.499+/-0.036 χ^2/NDF : 867881.0/9

122.833+/-0.024 χ^2/NDF : 2116649.0/27

122.002+/-0.024 χ^2/NDF : 2509807.3/29

asym_bpm0l01WS_mean vs Slug



Right In: -348.055 ± 83.826 χ^2/NDF : 317.3/16

Left Out: 1184.176 ± 79.391 χ^2/NDF : 811.8/10

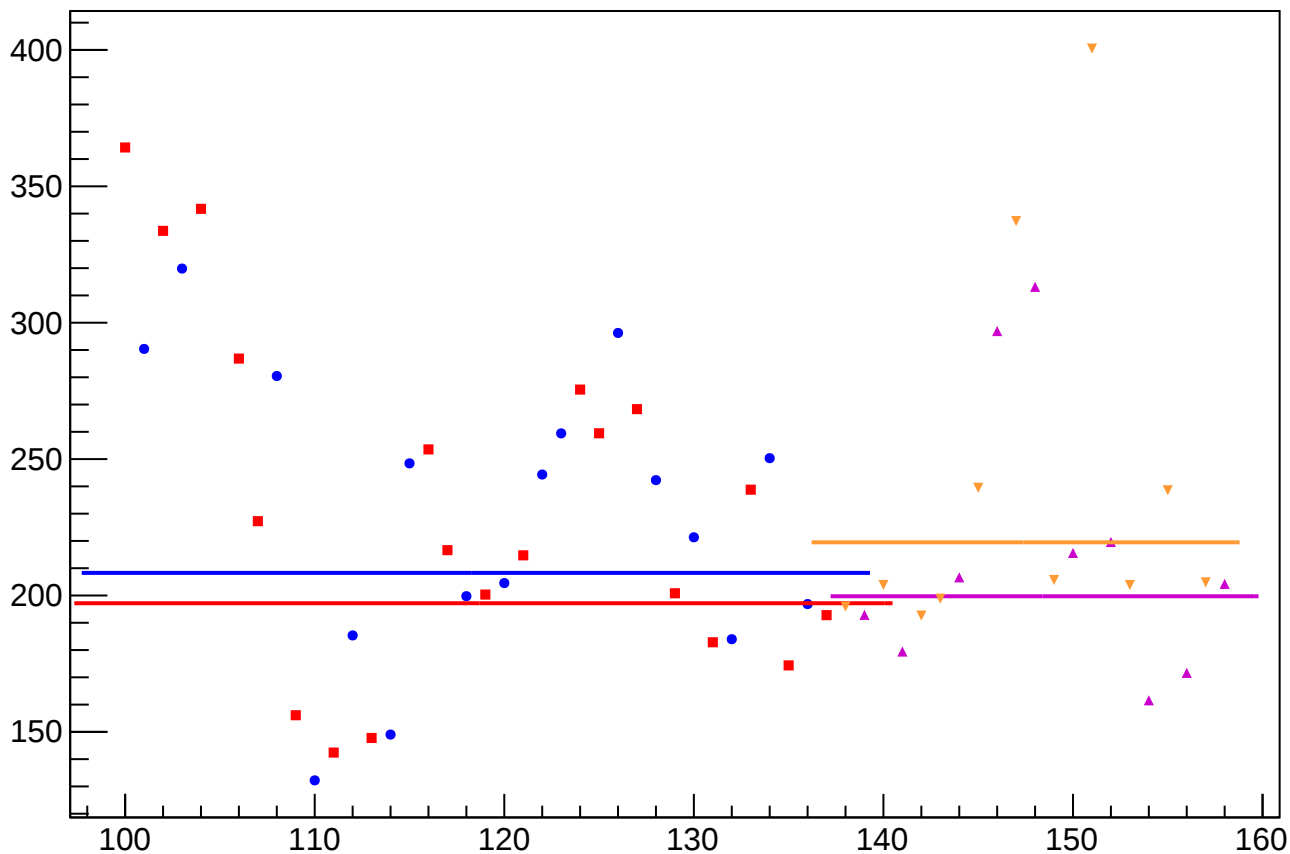
Right Out: 995.622 ± 77.468 χ^2/NDF : 479.8/19

Left In: -3.232 ± 72.959 χ^2/NDF : 563.6/9

459.668 ± 57.642 χ^2/NDF : 1305.2/27

466.281 ± 53.112 χ^2/NDF : 1131.5/29

asym_bpm0l01WS_rms vs Slug



Right In: 208.288 $\pm$ 0.059 χ^2/NDF : 698491.0/16

Left Out: 219.492 $\pm$ 0.056 χ^2/NDF : 606845.5/10

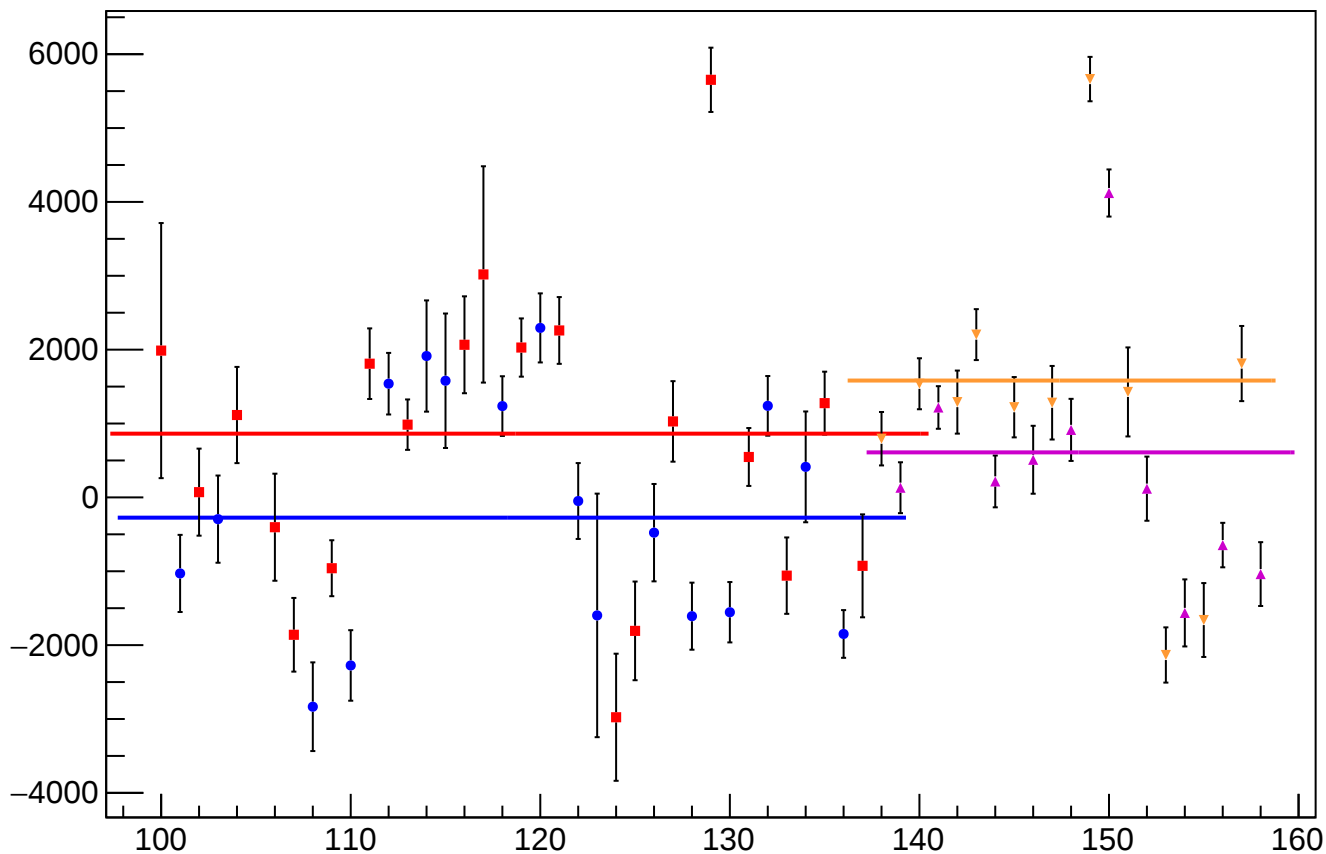
Right Out: 197.159 $\pm$ 0.055 χ^2/NDF : 927487.8/19

Left In: 199.721 $\pm$ 0.052 χ^2/NDF : 558751.4/9

214.194 $\pm$ 0.041 χ^2/NDF : 1324174.3/27

198.517 $\pm$ 0.038 χ^2/NDF : 1487398.0/29

asym_bpm0l02WS_mean vs Slug



Right In: -274.260 ± 121.326 $\chi^2/\text{NDF}: 171.6/16$

Left Out: 1581.867 ± 120.552 $\chi^2/\text{NDF}: 335.1/10$

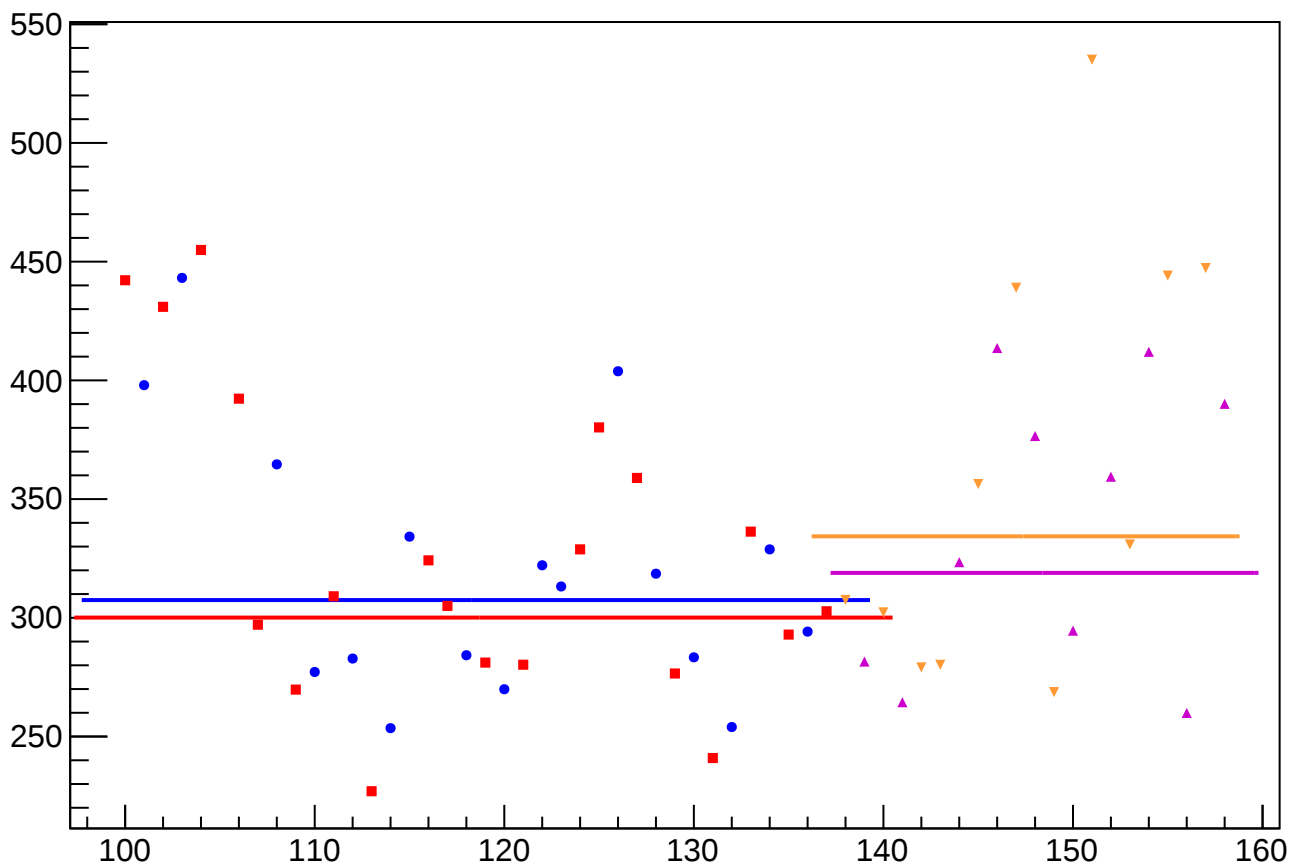
Right Out: 862.791 ± 114.993 $\chi^2/\text{NDF}: 265.4/19$

Left In: 609.412 ± 115.209 $\chi^2/\text{NDF}: 185.4/9$

659.743 ± 85.515 $\chi^2/\text{NDF}: 624.4/27$

736.340 ± 81.389 $\chi^2/\text{NDF}: 453.3/29$

asym_bpm0l02WS_rms vs Slug



Right In: 307.468 ± 0.086 χ^2/NDF : 323096.7/16

Left Out: 334.309 ± 0.085 χ^2/NDF : 717602.1/10

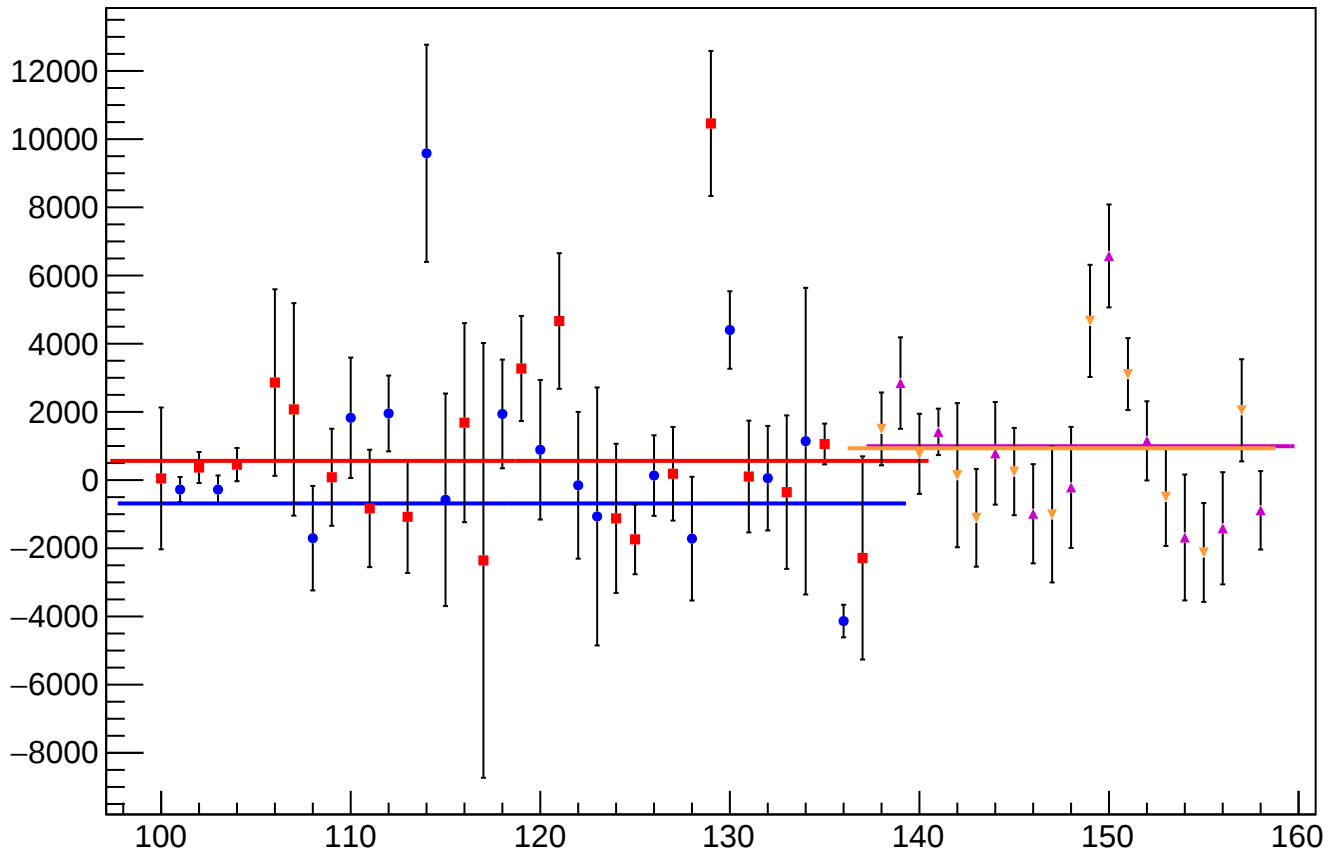
Right Out: 300.100 ± 0.081 χ^2/NDF : 490421.6/19

Left In: 318.923 ± 0.081 χ^2/NDF : 461918.1/9

320.974 ± 0.060 χ^2/NDF : 1089956.1/27

309.494 ± 0.058 χ^2/NDF : 979083.0/29

asym_bpm0l03WS_mean vs Slug



Right In: -685.056+/-210.341 χ^2/NDF : 97.4/16

Left Out: 932.855+/-413.800 χ^2/NDF : 19.1/10

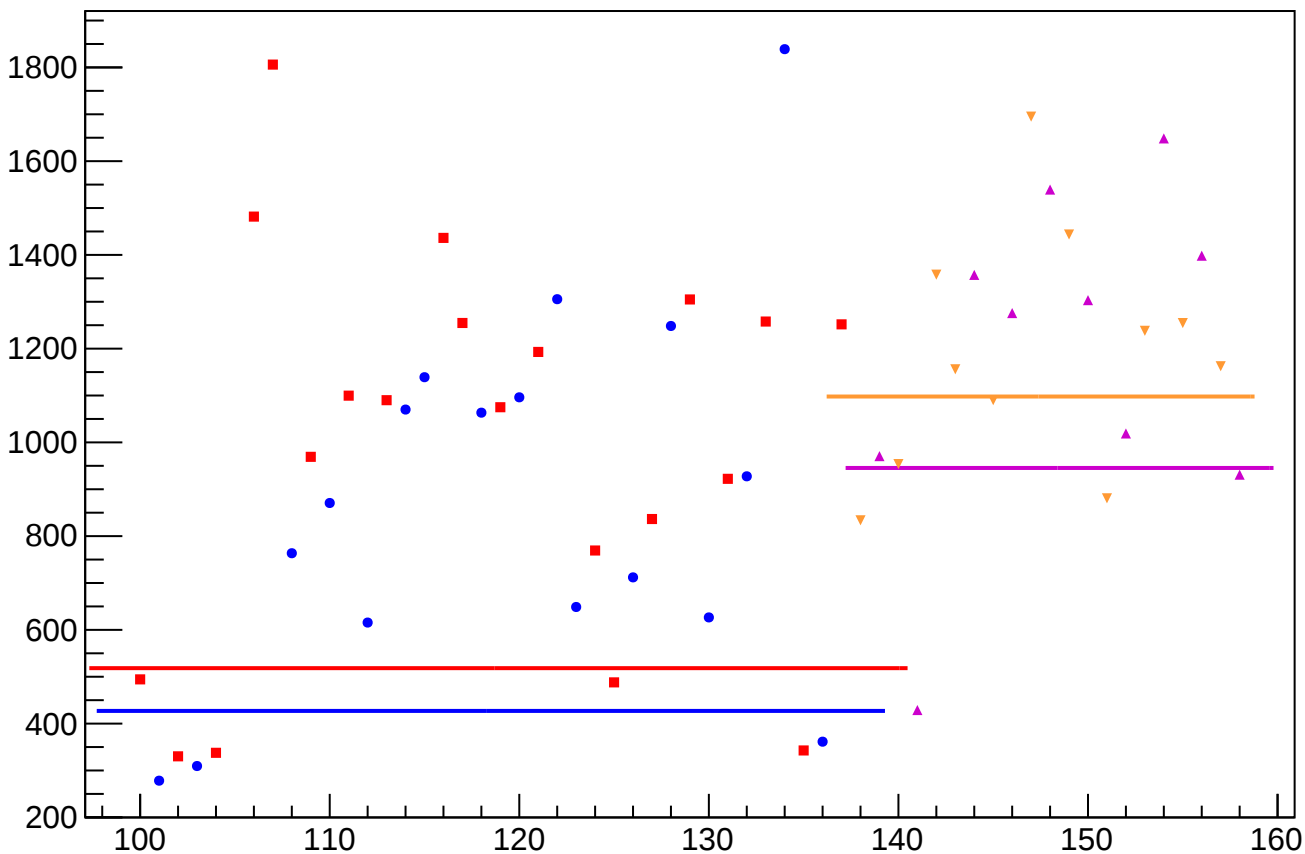
Right Out: 564.400+/-243.074 χ^2/NDF : 39.9/19

Left In: 993.414+/-390.880 χ^2/NDF : 25.2/9

-352.851+/-187.507 χ^2/NDF : 128.6/27

684.040+/-206.417 χ^2/NDF : 66.0/29

asym_bpm0l03WS_rms vs Slug



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 1097.849+/-0.293 χ^2/NDF : 584103.1/10

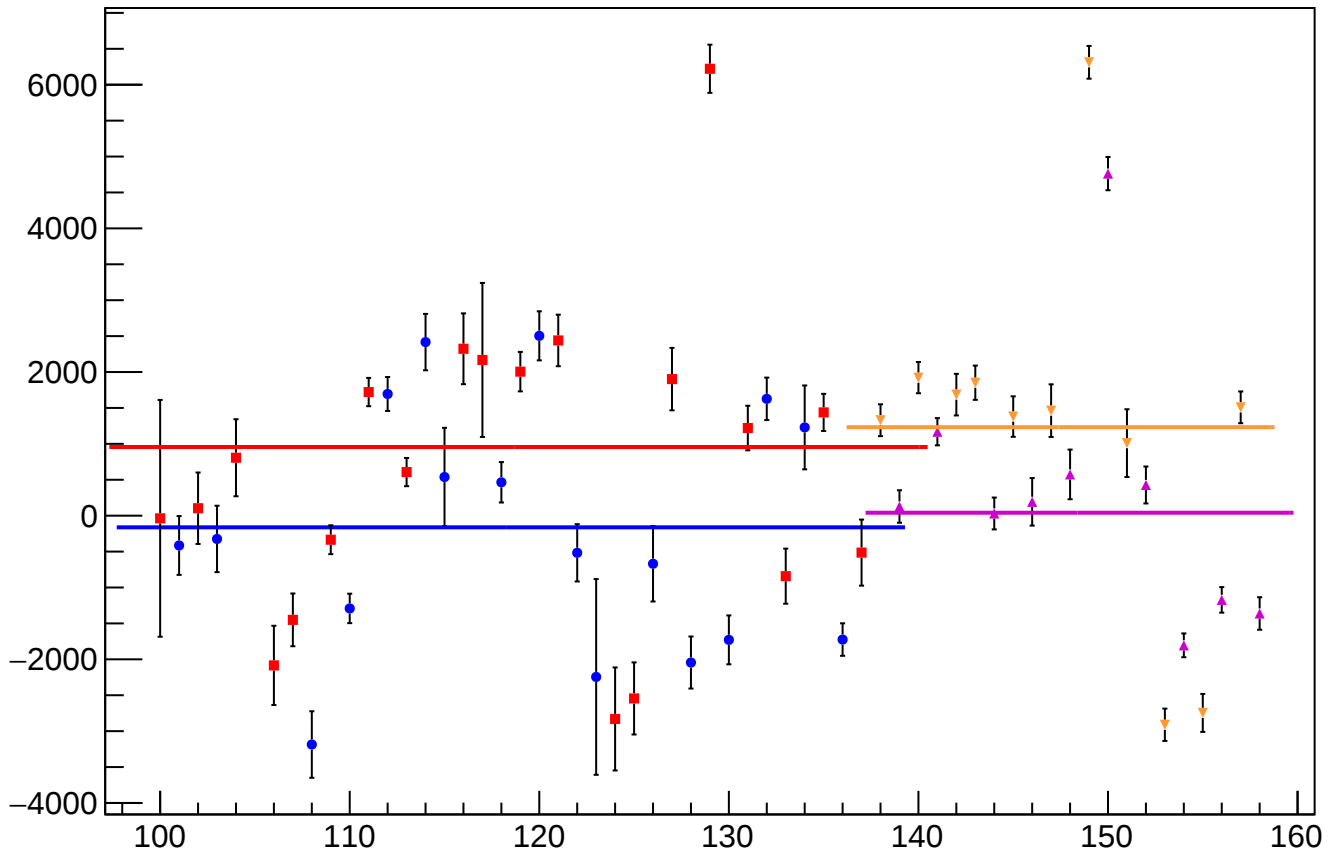
Right Out: 518.306+/-0.172 χ^2/NDF : 3631833.9/19

Left In: 945.439+/-0.276 χ^2/NDF : 2192064.0/9

564.808+/-0.133 χ^2/NDF : 7625987.7/27

637.421+/-0.146 χ^2/NDF : 7546089.1/29

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 $\chi^2/\text{NDF}: 387.6/16$

Left Out: 1231.903 ± 76.877 $\chi^2/\text{NDF}: 1083.9/10$

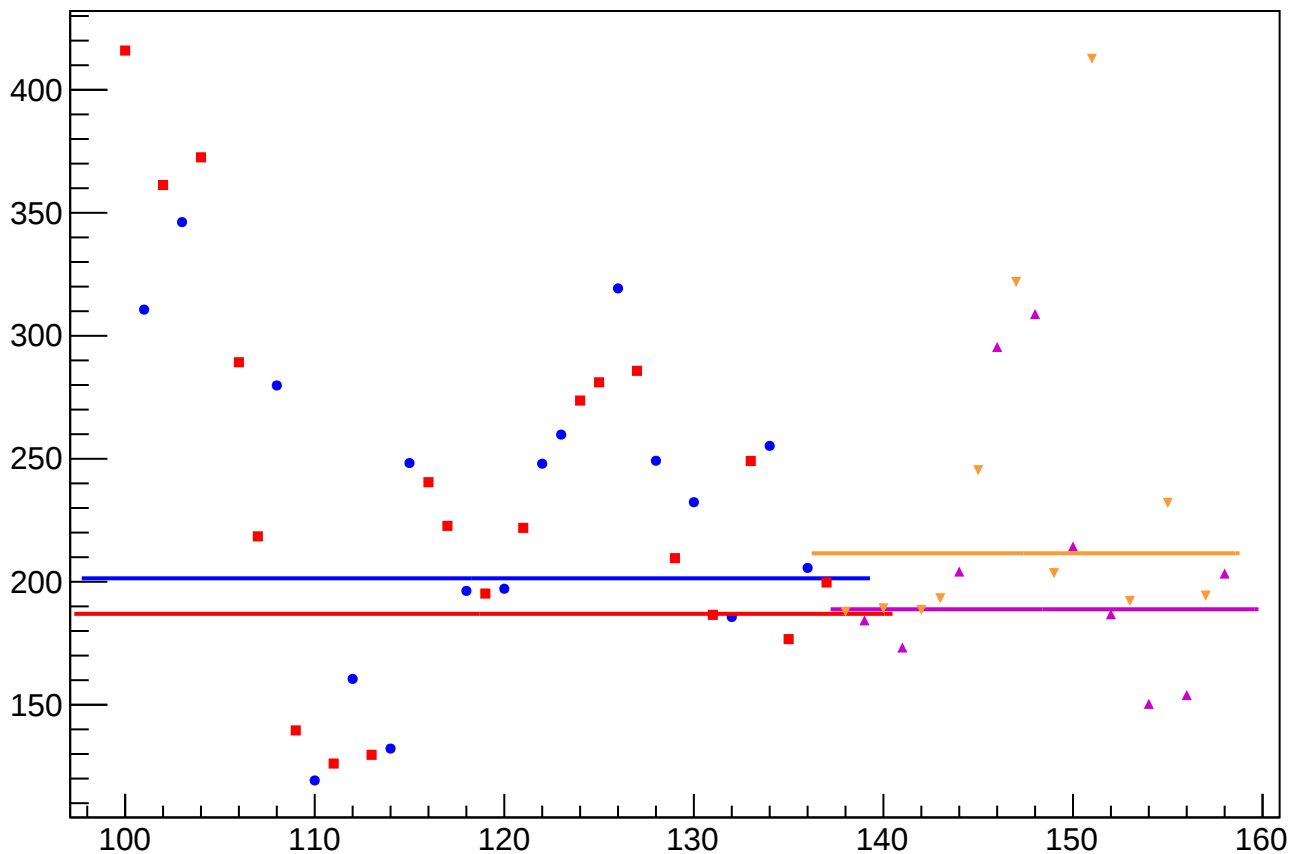
Right Out: 956.044 ± 74.949 $\chi^2/\text{NDF}: 541.1/19$

Left In: 40.961 ± 69.600 $\chi^2/\text{NDF}: 665.5/9$

582.656 ± 56.195 $\chi^2/\text{NDF}: 1624.6/27$

464.685 ± 51.001 $\chi^2/\text{NDF}: 1286.6/29$

asym_bpm0l04WS_rms vs Slug



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 211.590 $\pm$ 0.054 χ^2 /NDF:682837.3/10

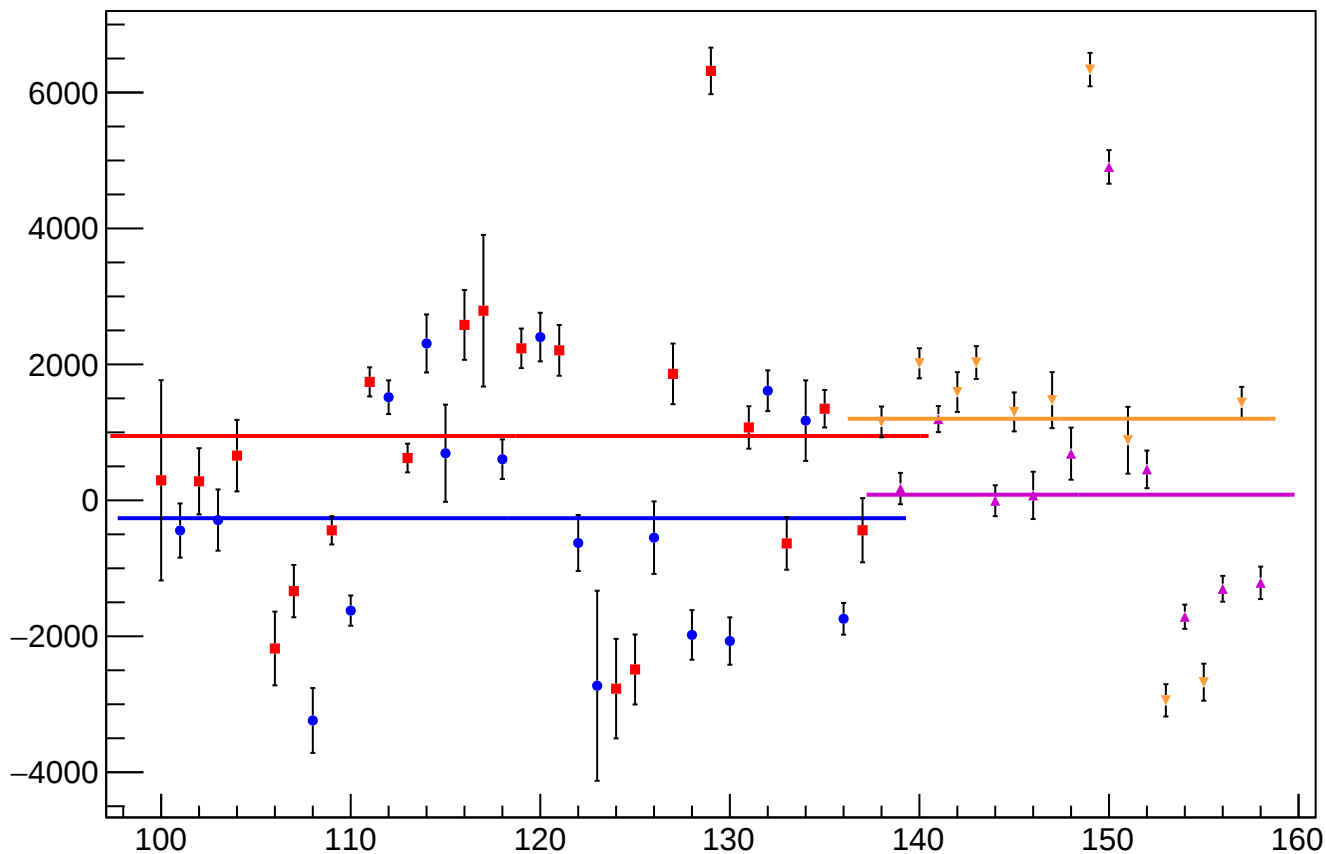
Right Out: 186.973 $\pm$ 0.053 χ^2 /NDF: 1395397.8/19

Left In: 188.834 $\pm$ 0.049 χ^2 /NDF:689691.4/9

206.849 $\pm$ 0.040 χ^2 /NDF: 1755193.7/27

187.972 $\pm$ 0.036 χ^2 /NDF: 2085751.0/29

asym_bpm0l05WS_mean vs Slug



Right In: -262.324+/-85.433 χ^2/NDF : 368.7/16

Left Out: 1200.425+/-79.738 χ^2/NDF : 973.0/10

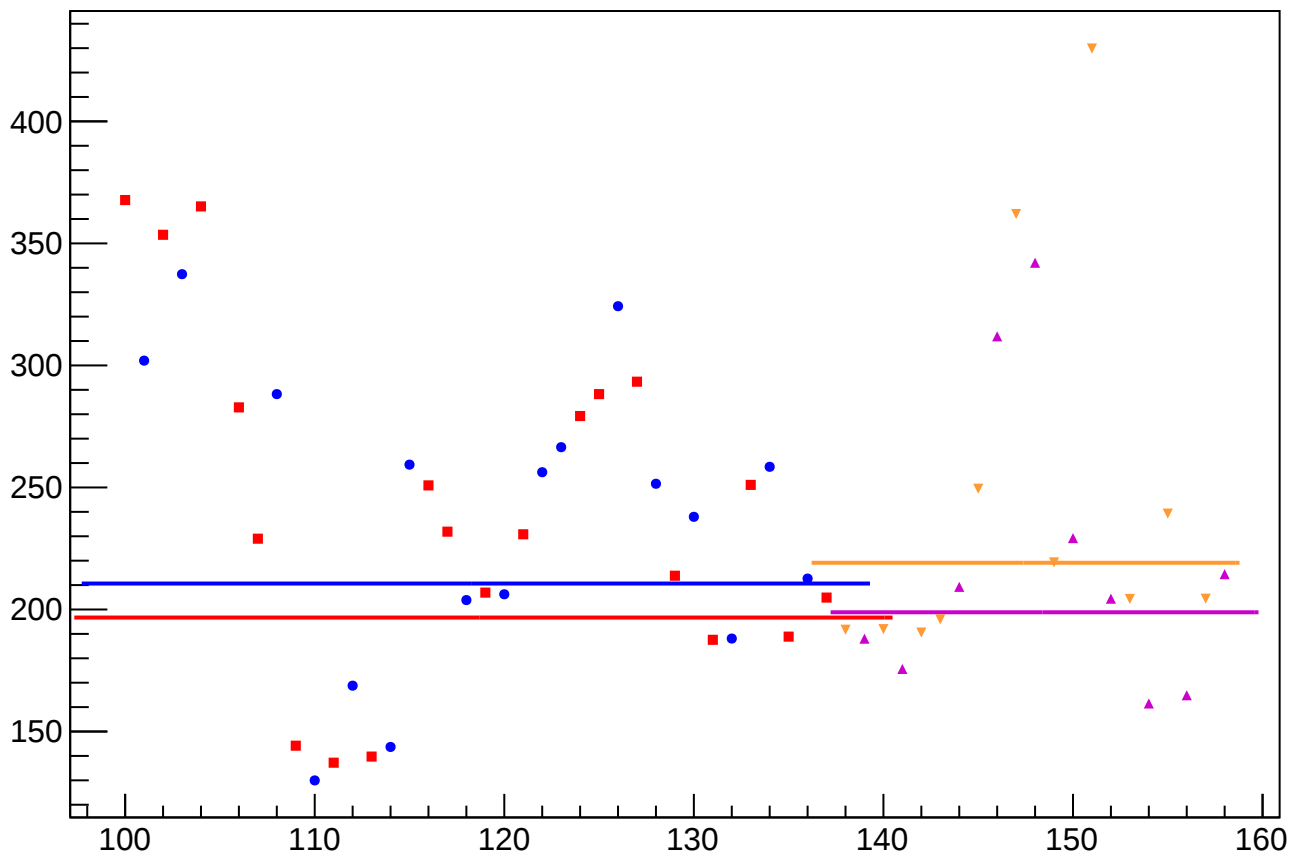
Right Out: 946.785+/-78.241 χ^2/NDF : 524.6/19

Left In: 83.065+/-73.211 χ^2/NDF : 602.4/9

519.430+/-58.293 χ^2/NDF : 1498.4/27

486.272+/-53.458 χ^2/NDF : 1192.1/29

asym_bpm0l05WS_rms vs Slug



Right In: 210.636+/-0.060 χ^2/NDF : 875776.4/16

Left Out: 219.143+/-0.056 χ^2/NDF : 754580.9/10

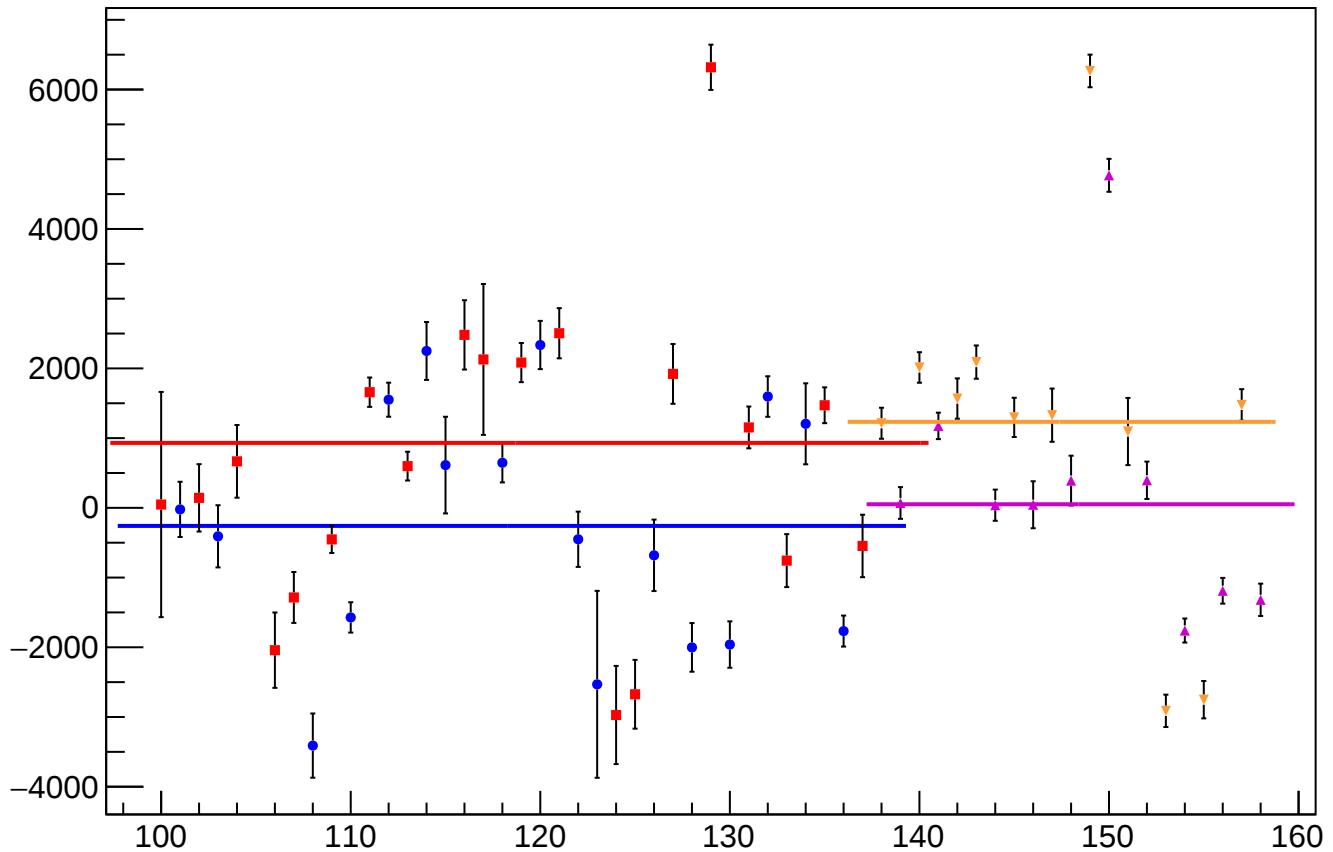
Right Out: 196.702+/-0.055 χ^2/NDF : 1207089.6/19

Left In: 198.857+/-0.052 χ^2/NDF : 720201.0/9

215.183+/-0.041 χ^2/NDF : 1640956.7/27

197.851+/-0.038 χ^2/NDF : 1928099.7/29

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 χ^2/NDF : 391.2/16

Left Out: 1233.514 ± 77.914 χ^2/NDF : 1031.4/10

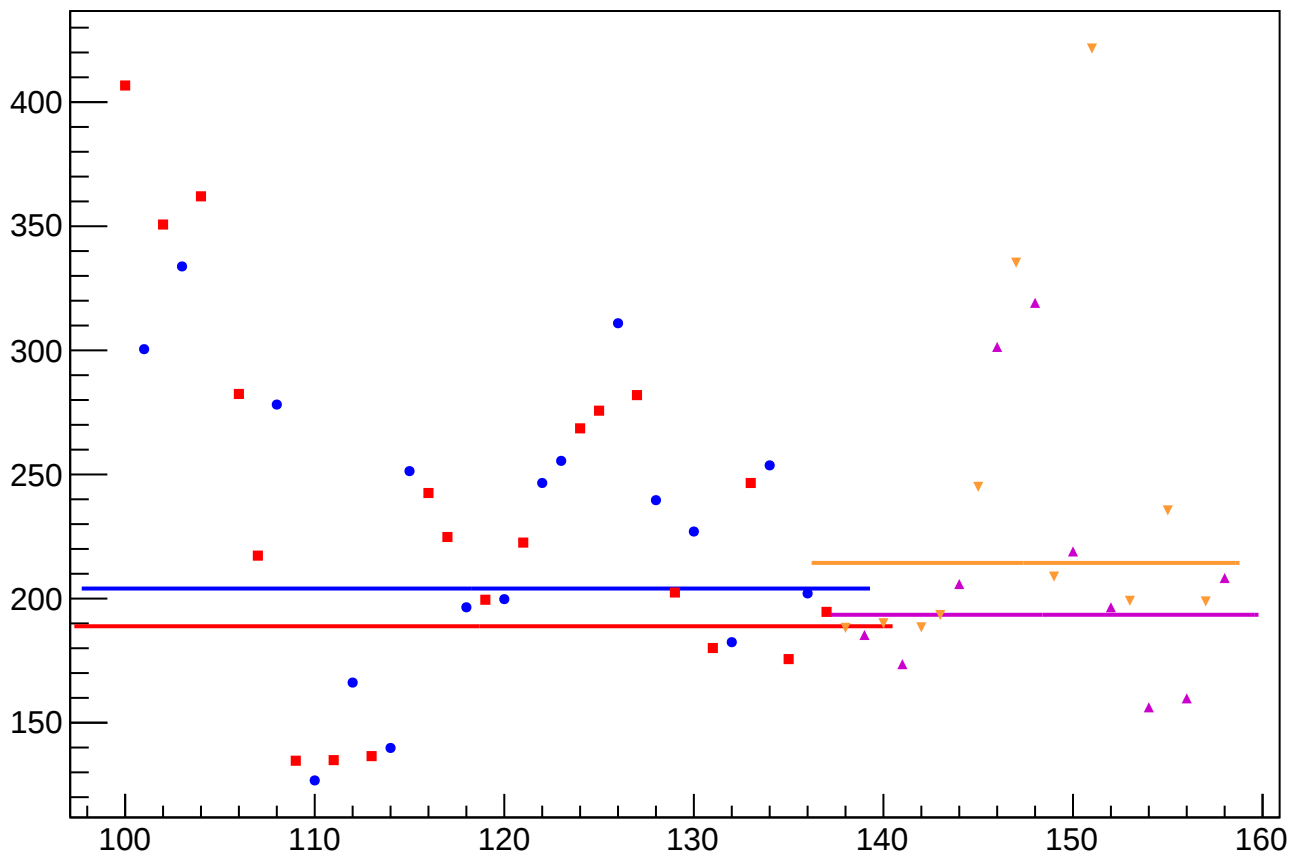
Right Out: 931.363 ± 75.320 χ^2/NDF : 583.1/19

Left In: 51.445 ± 71.198 χ^2/NDF : 626.9/9

532.541 ± 56.743 χ^2/NDF : 1594.9/27

466.667 ± 51.740 χ^2/NDF : 1282.0/29

asym_bpm0l06WS_rms vs Slug



Right In: 204.051+/-0.059 χ^2/NDF : 868423.0/16

Left Out: 214.374+/-0.055 χ^2/NDF : 709665.5/10

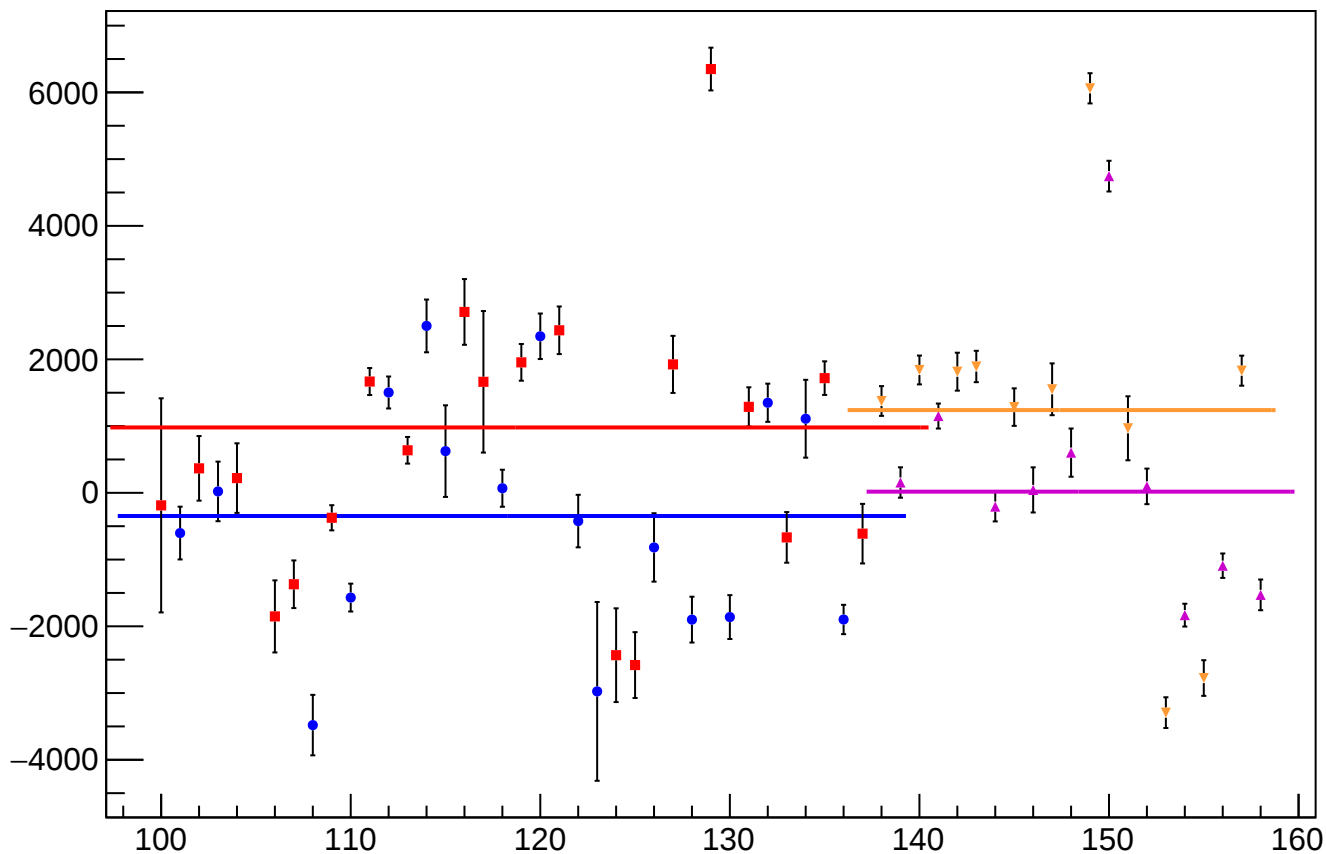
Right Out: 188.856+/-0.053 χ^2/NDF : 1253327.1/19

Left In: 193.477+/-0.050 χ^2/NDF : 675190.9/9

209.526+/-0.040 χ^2/NDF : 1594575.3/27

191.296+/-0.037 χ^2/NDF : 1932494.2/29

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 ± 81.318 χ^2/NDF : 399.1/16

Left Out: 1239.622 ± 77.206 χ^2/NDF : 1094.1/10

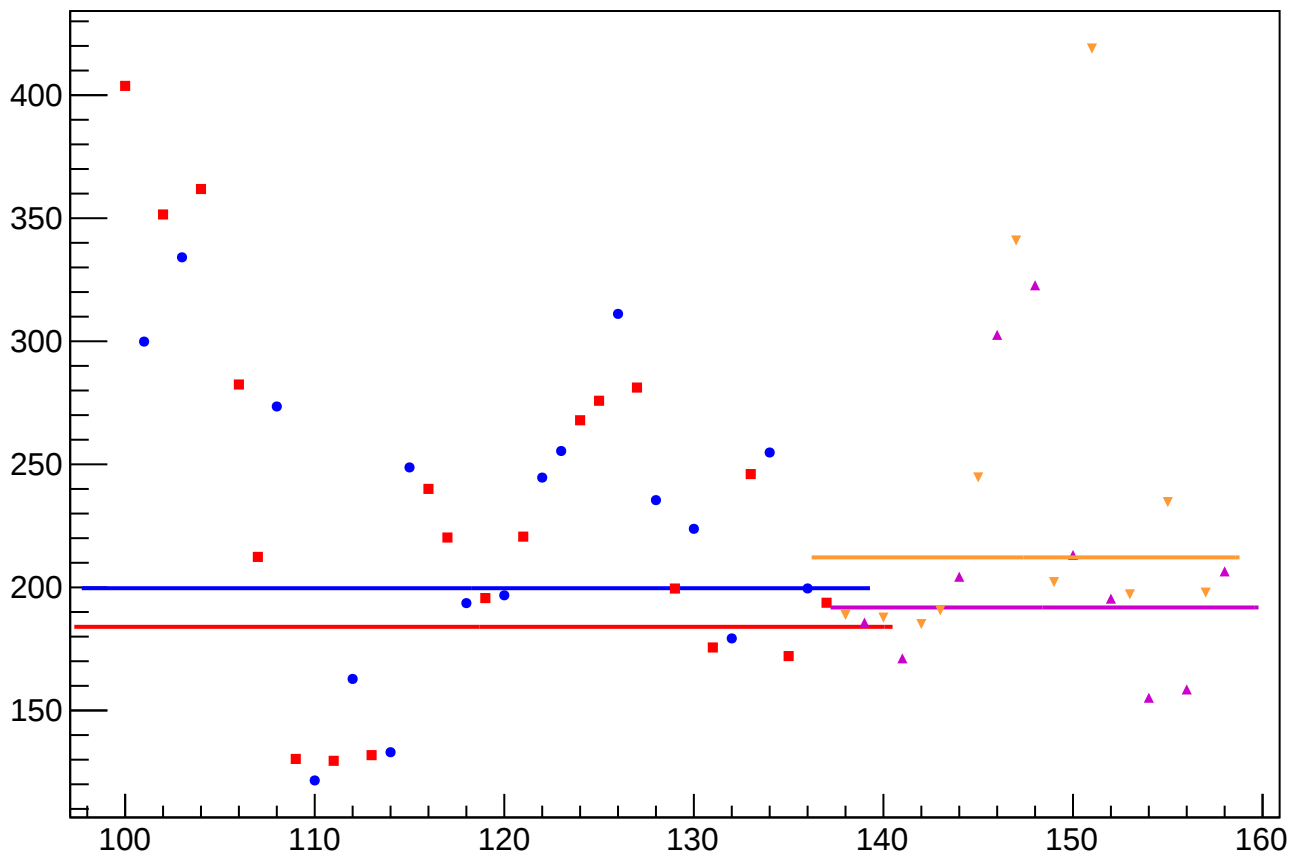
Right Out: 979.606 ± 73.710 χ^2/NDF : 586.1/19

Left In: 17.572 ± 70.649 χ^2/NDF : 661.7/9

487.324 ± 55.990 χ^2/NDF : 1693.4/27

478.200 ± 51.004 χ^2/NDF : 1336.6/29

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 $\pm$ 0.058 χ^2 /NDF: 943155.1/16

Left Out: 212.186 $\pm$ 0.055 χ^2 /NDF: 736172.4/10

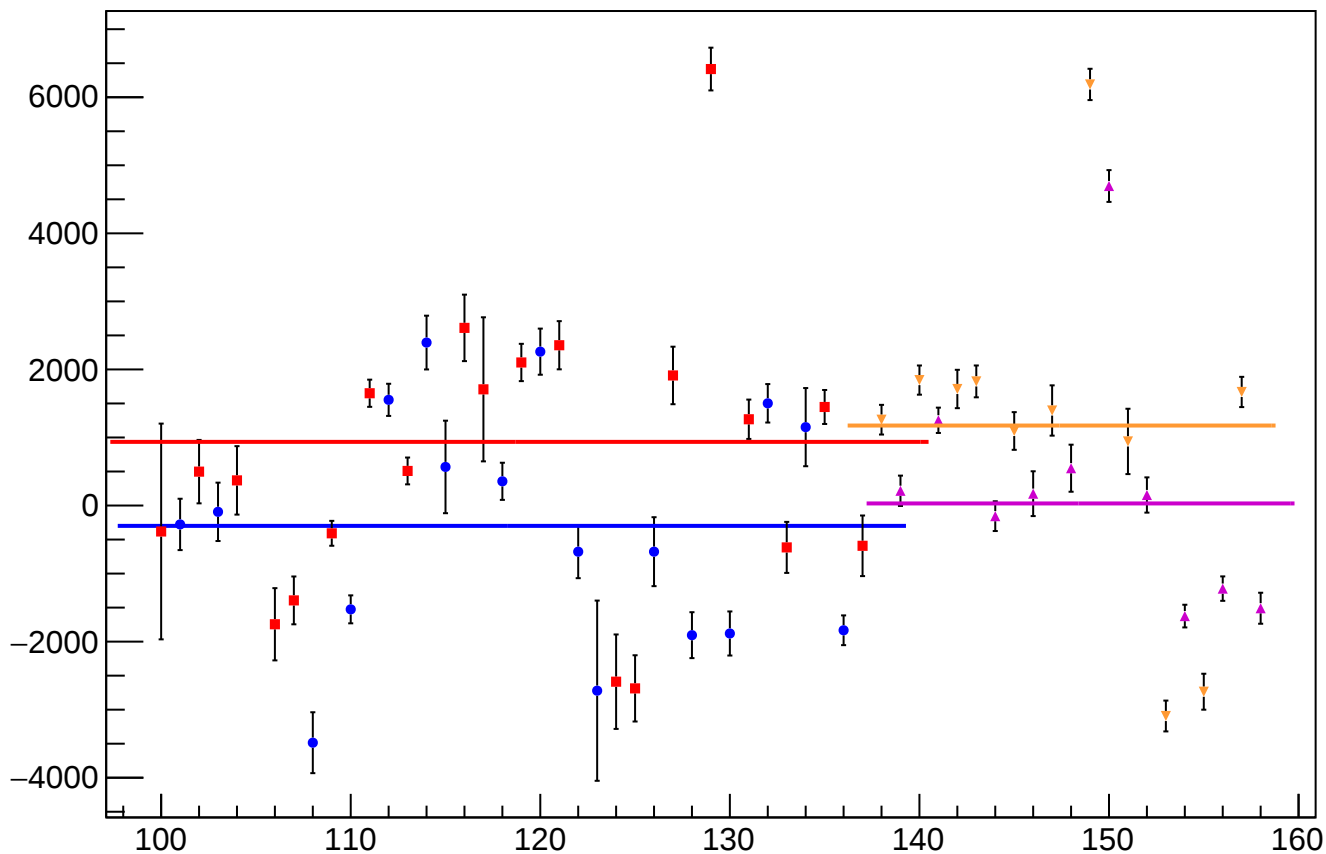
Right Out: 183.984 $\pm$ 0.052 χ^2 /NDF: 1351978.1/19

Left In: 191.843 $\pm$ 0.050 χ^2 /NDF: 692956.3/9

206.252 $\pm$ 0.040 χ^2 /NDF: 1704249.2/27

188.080 $\pm$ 0.036 χ^2 /NDF: 2056782.7/29

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 1175.551 ± 76.409 χ^2/NDF : 1076.3/10

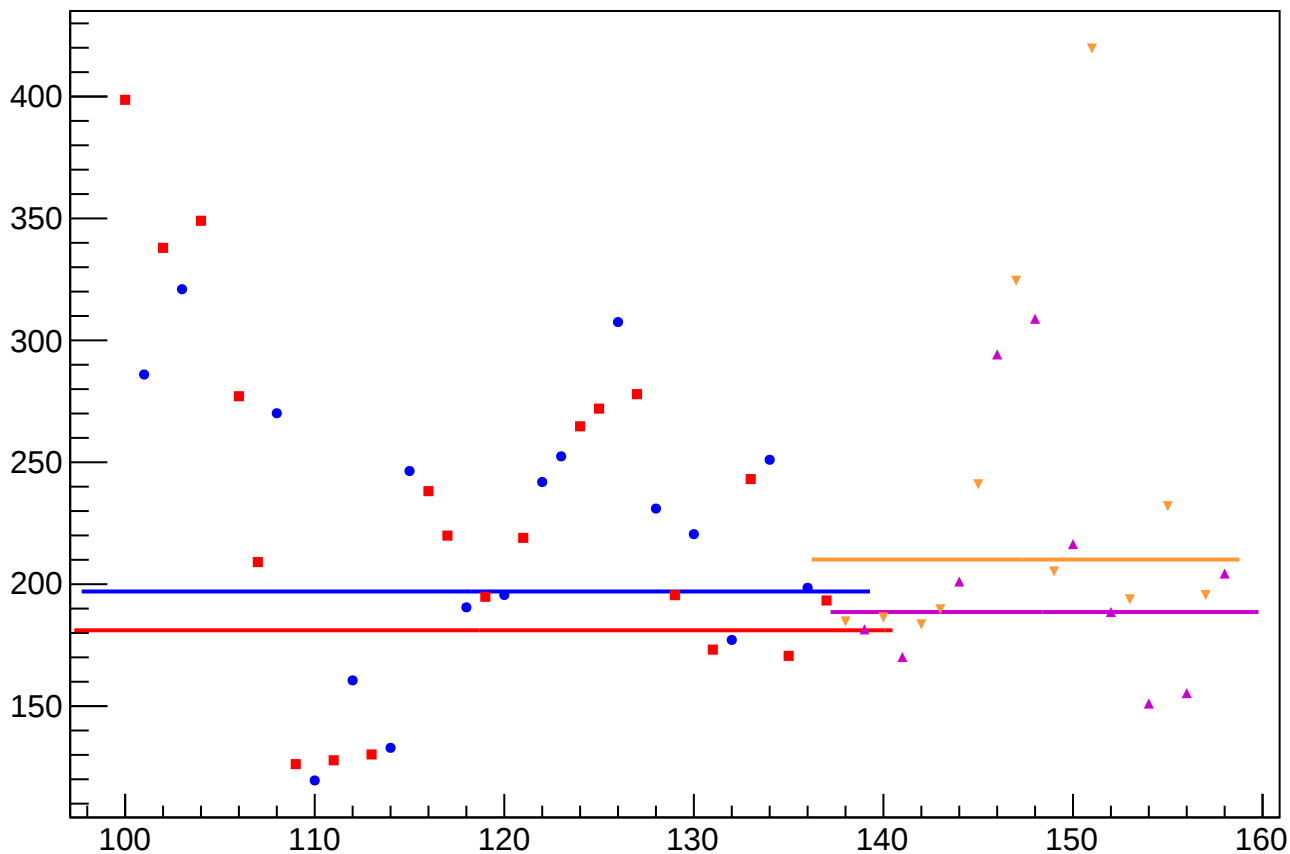
Right Out: 935.490 ± 72.580 χ^2/NDF : 615.3/19

Left In: 30.674 ± 69.492 χ^2/NDF : 638.9/9

473.621 ± 55.308 χ^2/NDF : 1660.1/27

463.428 ± 50.194 χ^2/NDF : 1335.3/29

asym_bpm0l08WS_rms vs Slug



Right In: 197.013+/-0.057 χ^2/NDF : 911923.5/16

Left Out: 210.111+/-0.054 χ^2/NDF : 715832.7/10

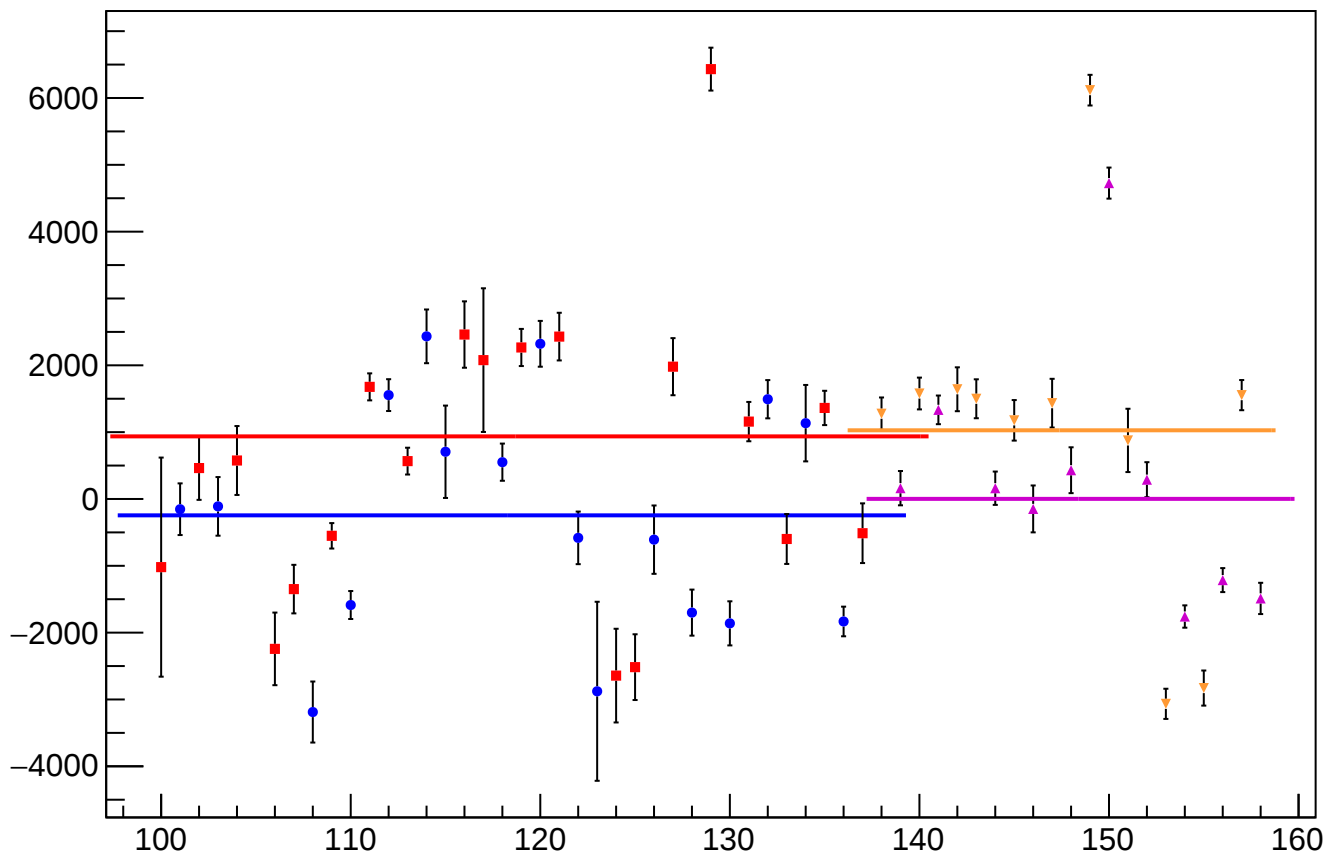
Right Out: 181.089+/-0.051 χ^2/NDF : 1348390.5/19

Left In: 188.587+/-0.049 χ^2/NDF : 684263.4/9

203.876+/-0.039 χ^2/NDF : 1655733.8/27

185.001+/-0.035 χ^2/NDF : 2043788.5/29

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 ± 81.395 χ^2/NDF : 391.4/16

Left Out: 1027.667 ± 81.299 χ^2/NDF : 1056.3/10

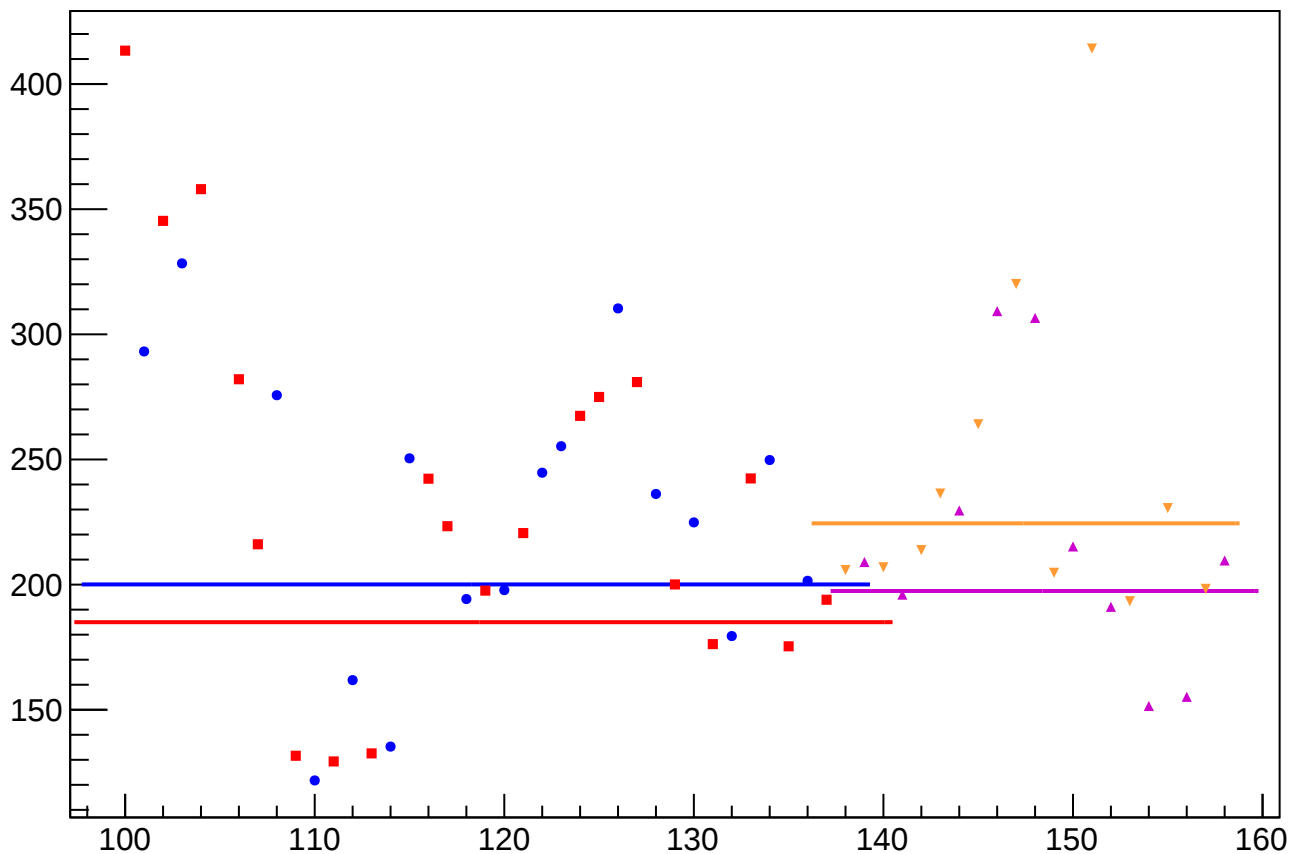
Right Out: 936.709 ± 74.030 χ^2/NDF : 610.9/19

Left In: 1.596 ± 72.948 χ^2/NDF : 653.2/9

392.119 ± 57.521 χ^2/NDF : 1570.0/27

462.273 ± 51.960 χ^2/NDF : 1345.0/29

asym_bpm0l09WS_rms vs Slug



Right In: 200.078+/-0.058 χ^2/NDF : 918309.2/16

Left Out: 224.480+/-0.057 χ^2/NDF : 601511.3/10

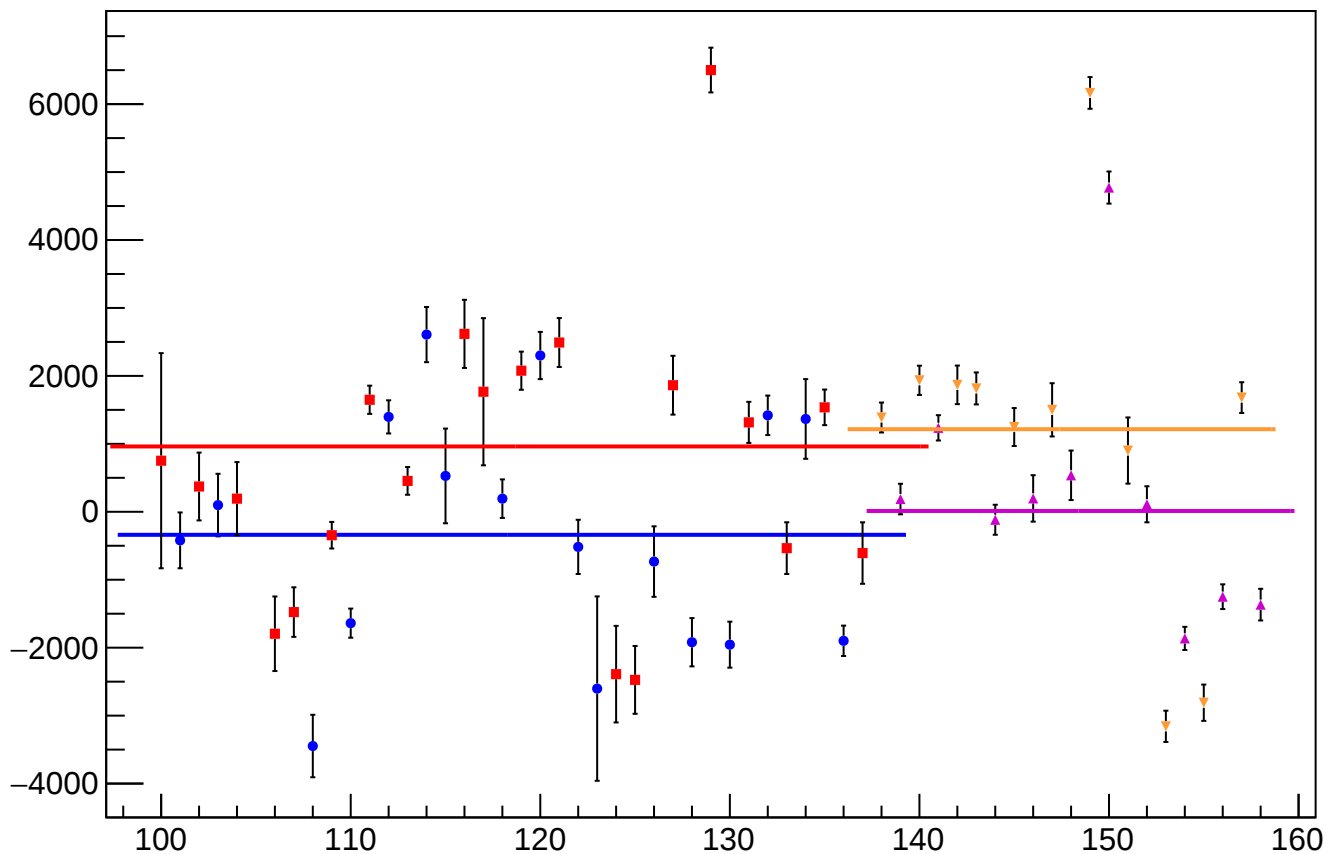
Right Out: 184.990+/-0.052 χ^2/NDF : 1320825.4/19

Left In: 197.449+/-0.052 χ^2/NDF : 723593.6/9

212.294+/-0.041 χ^2/NDF : 1609804.5/27

191.311+/-0.037 χ^2/NDF : 2073157.7/29

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 $\chi^2/\text{NDF}: 389.5/16$

Left Out: 1215.538 ± 77.353 $\chi^2/\text{NDF}: 1067.4/10$

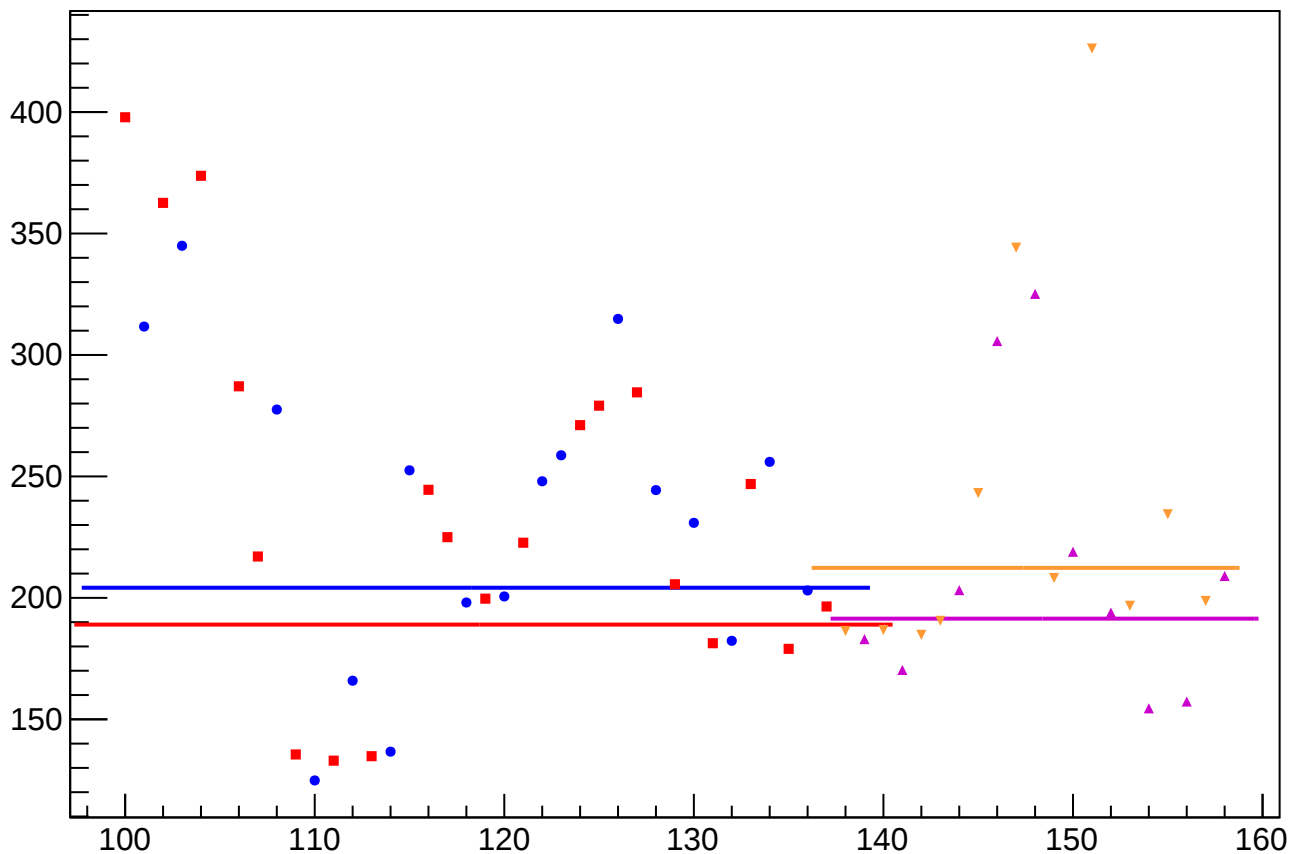
Right Out: 961.556 ± 75.564 $\chi^2/\text{NDF}: 570.9/19$

Left In: 11.995 ± 70.628 $\chi^2/\text{NDF}: 656.5/9$

494.106 ± 56.627 $\chi^2/\text{NDF}: 1644.3/27$

454.753 ± 51.598 $\chi^2/\text{NDF}: 1311.7/29$

asym_bpm0l10WS_rms vs Slug



Right In: 204.175+/-0.059 χ^2/NDF : 947438.5/16

Left Out: 212.350+/-0.055 χ^2/NDF : 758557.2/10

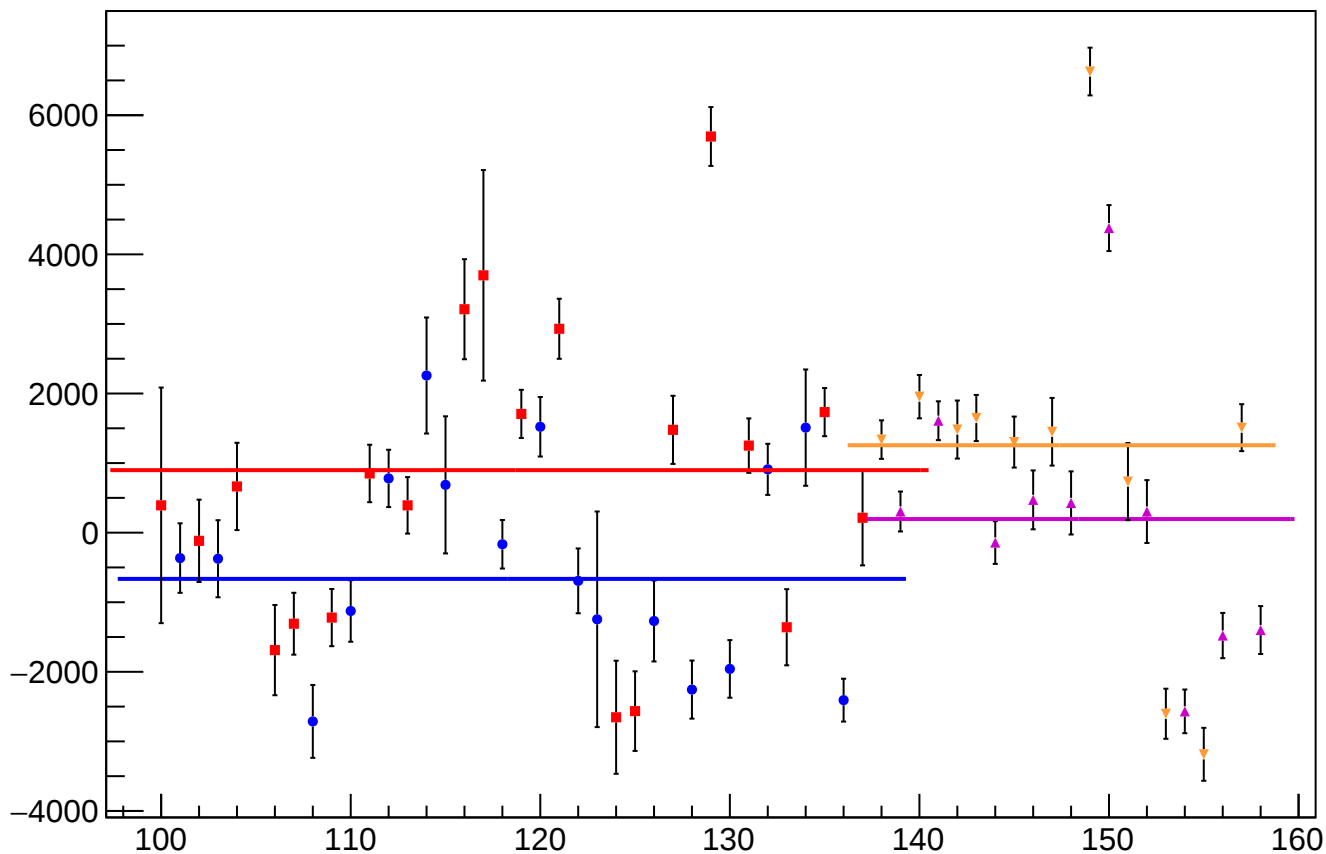
Right Out: 188.997+/-0.053 χ^2/NDF : 1317112.1/19

Left In: 191.446+/-0.050 χ^2/NDF : 730393.7/9

208.556+/-0.040 χ^2/NDF : 1716363.8/27

190.304+/-0.036 χ^2/NDF : 2048627.1/29

asym_bpm0r03WS_mean vs Slug



Right In: -664.383 ± 113.949 $\chi^2/\text{NDF}: 154.3/16$

Left Out: 1256.495 ± 108.448 $\chi^2/\text{NDF}: 505.1/10$

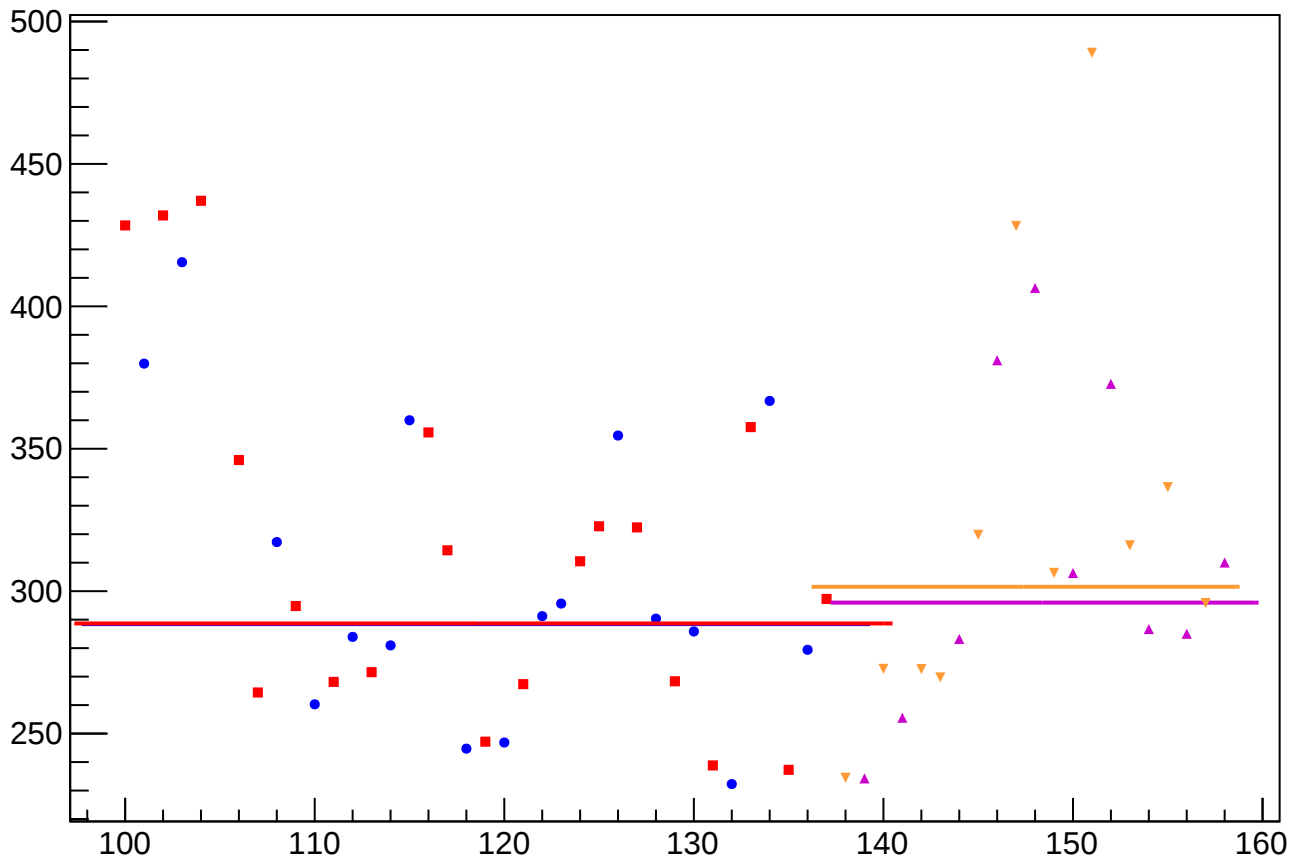
Right Out: 898.290 ± 110.578 $\chi^2/\text{NDF}: 323.5/19$

Left In: 195.784 ± 106.534 $\chi^2/\text{NDF}: 313.4/9$

343.535 ± 78.557 $\chi^2/\text{NDF}: 808.5/27$

533.955 ± 76.721 $\chi^2/\text{NDF}: 657.8/29$

asym_bpm0r03WS_rms vs Slug



Right In: 288.428 $\pm$ 0.081 χ^2 /NDF: 339820.0/16

Left Out: 301.532 $\pm$ 0.077 χ^2 /NDF:552700.8/10

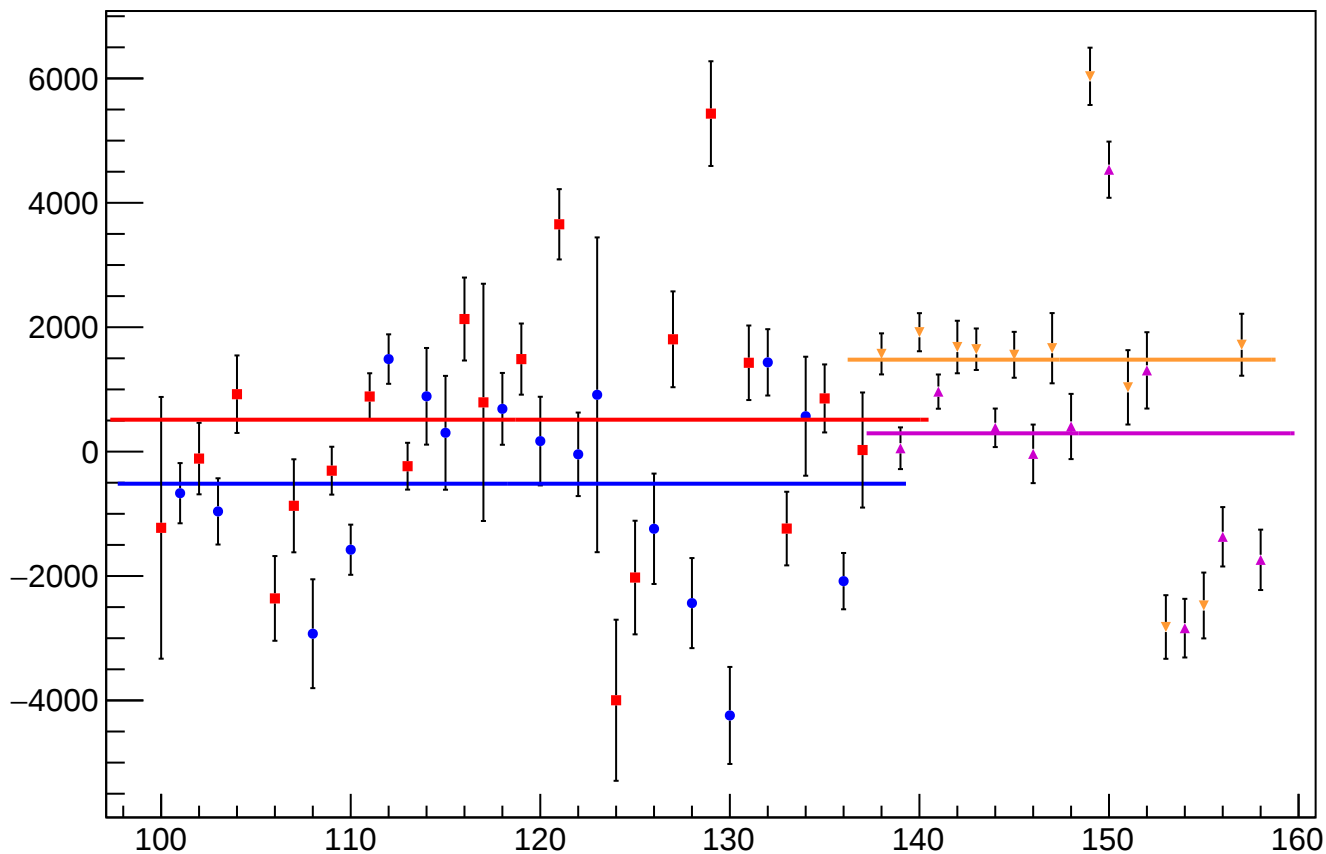
Right Out: 288.660 $\pm$ 0.078 χ^2 /NDF: 455989.7/19

Left In: 295.978 $\pm$ 0.075 χ^2 /NDF:404425.0/9

295.304 $\pm$ 0.056 χ^2 /NDF: 906399.2/27

292.455 $\pm$ 0.054 χ^2 /NDF: 864957.7/29

asym_bpm0r05WS_mean vs Slug



Right In: -515.894 ± 147.326 $\chi^2/\text{NDF}: 108.0/16$

Left Out: 1478.388 ± 125.154 $\chi^2/\text{NDF}: 227.8/10$

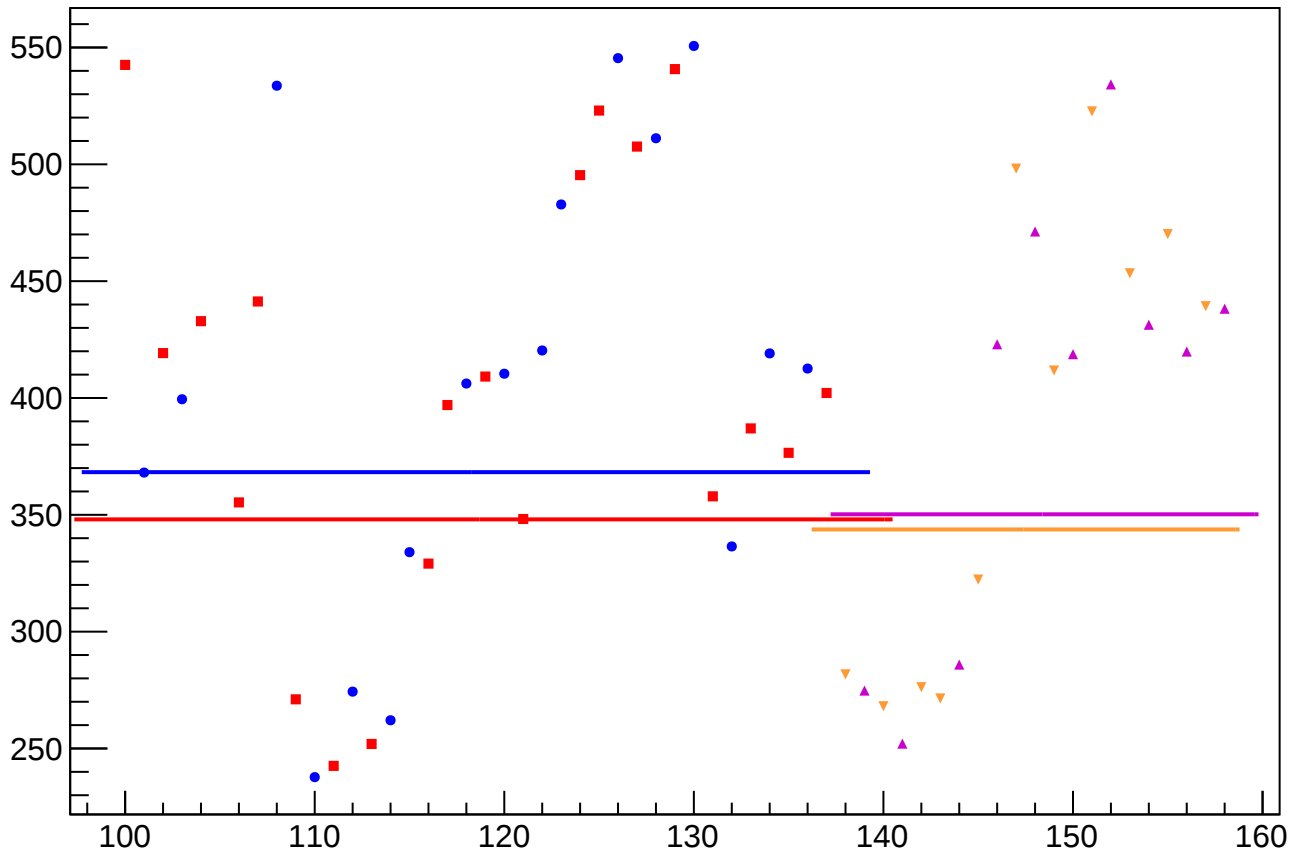
Right Out: 513.264 ± 135.456 $\chi^2/\text{NDF}: 141.3/19$

Left In: 294.165 ± 127.667 $\chi^2/\text{NDF}: 171.7/9$

642.456 ± 95.383 $\chi^2/\text{NDF}: 442.2/27$

397.235 ± 92.906 $\chi^2/\text{NDF}: 314.4/29$

asym_bpm0r05WS_rms vs Slug



Right In: 368.264+/-0.104 χ^2/NDF : 770116.6/16

Left Out: 343.737+/-0.088 χ^2/NDF : 996371.3/10

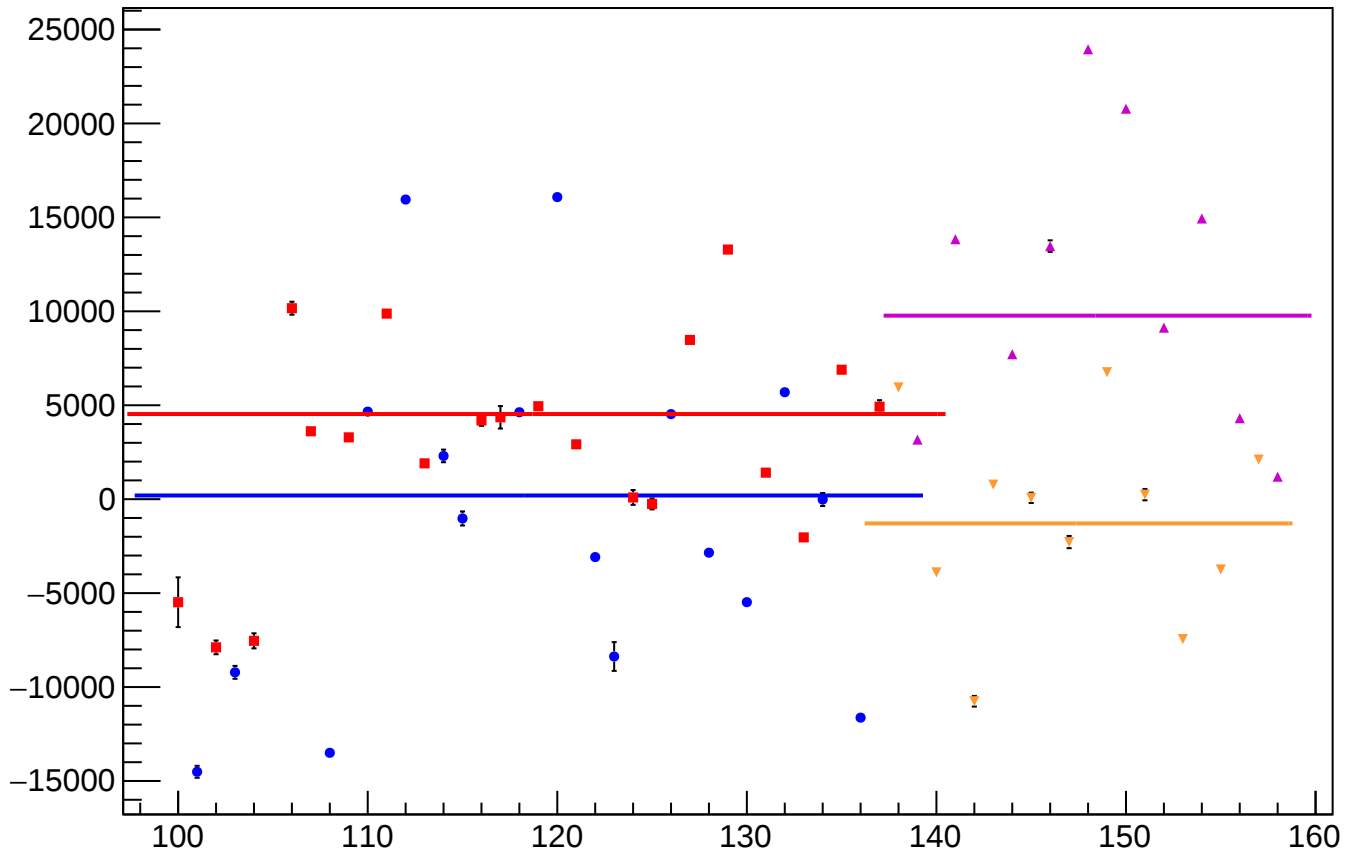
Right Out: 348.050+/-0.096 χ^2/NDF : 823186.4/19

Left In: 350.223+/-0.090 χ^2/NDF : 989467.1/9

354.018+/-0.067 χ^2/NDF : 1798685.7/27

349.201+/-0.066 χ^2/NDF : 1812925.9/29

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 ± 54.799 $\chi^2/\text{NDF}: 30658.3/16$

Left Out: -1290.533 ± 62.347 $\chi^2/\text{NDF}: 6470.0/10$

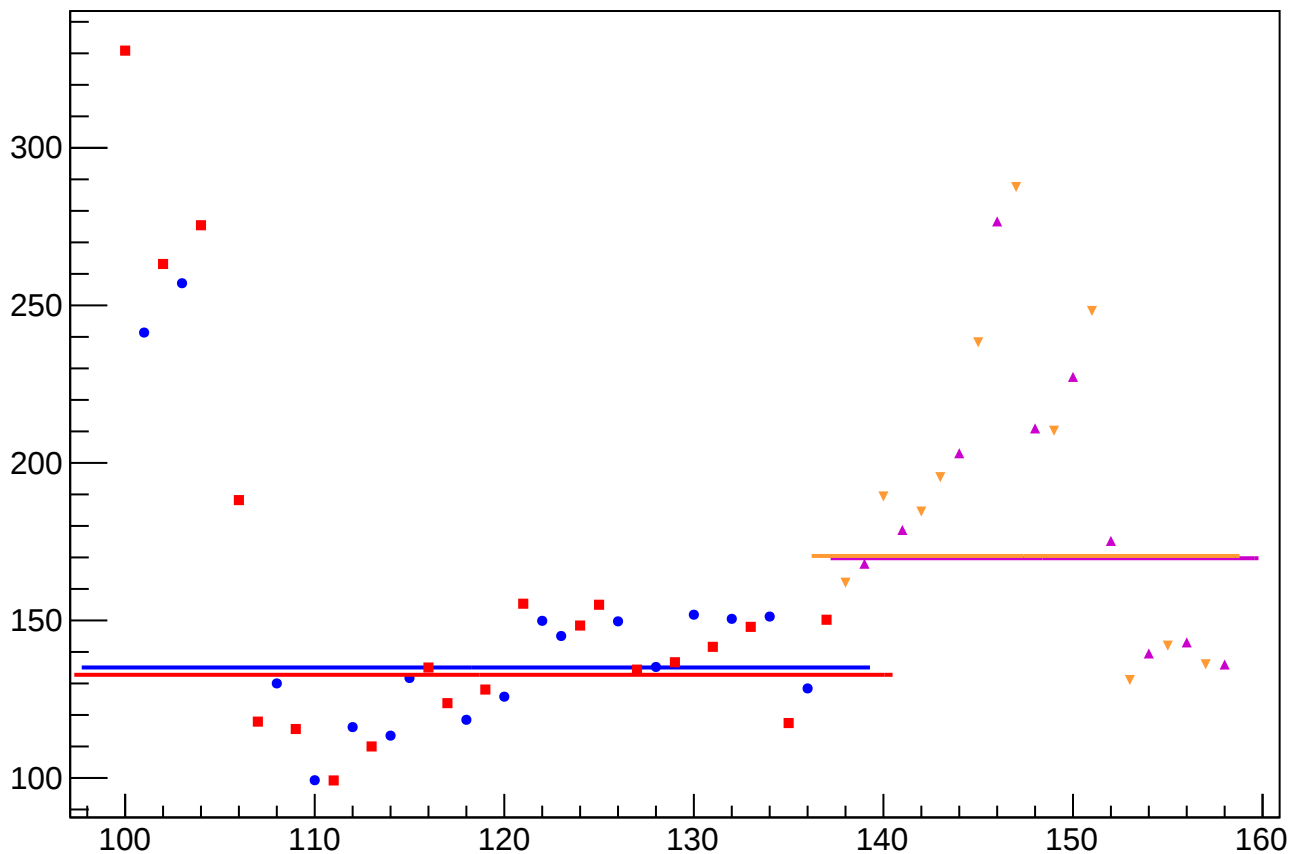
Right Out: 4532.856 ± 52.261 $\chi^2/\text{NDF}: 7477.3/19$

Left In: 9770.111 ± 62.433 $\chi^2/\text{NDF}: 12539.8/9$

-451.306 ± 41.160 $\chi^2/\text{NDF}: 37449.5/27$

6690.616 ± 40.074 $\chi^2/\text{NDF}: 24154.8/29$

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 ± 0.039 χ^2/NDF : 658703.5/16

Left Out: 170.471 ± 0.044 χ^2/NDF : 921328.1/10

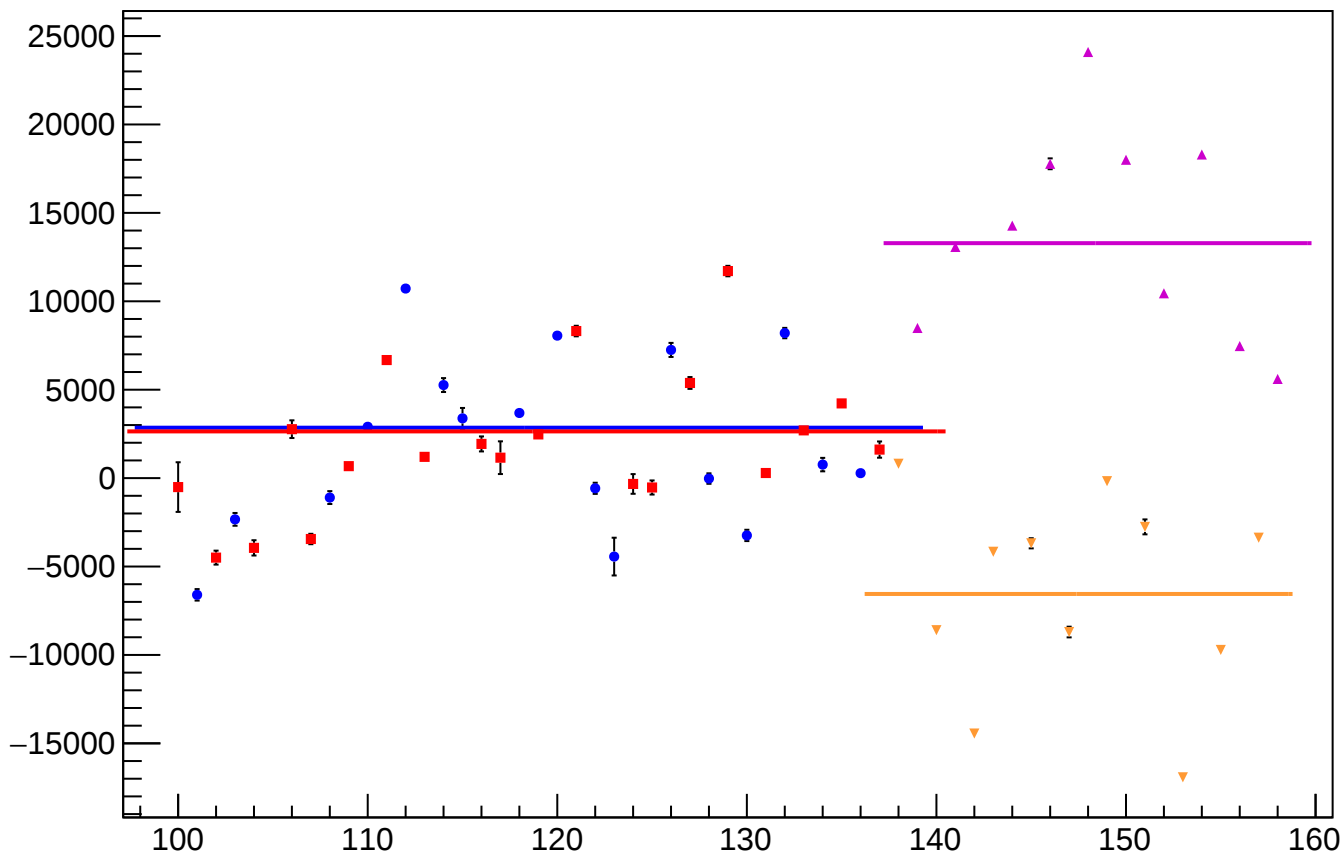
Right Out: 132.747 ± 0.037 χ^2/NDF : 831647.2/19

Left In: 169.747 ± 0.044 χ^2/NDF : 691197.7/9

150.500 ± 0.029 χ^2/NDF : 1943773.0/27

147.991 ± 0.028 χ^2/NDF : 1935870.6/29

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -6551.512+/-71.498 χ^2/NDF : 6586.4/10

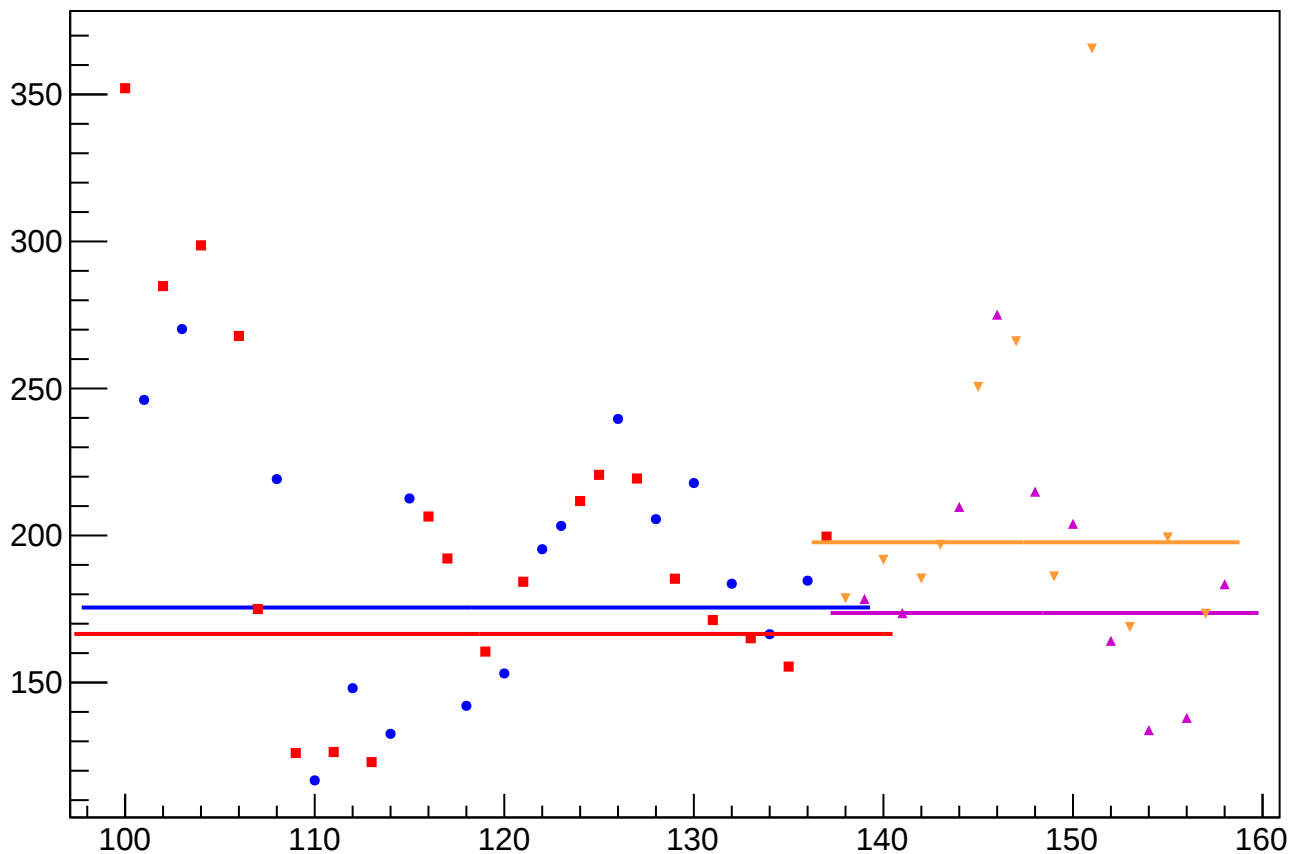
Right Out: 2641.642+/-65.566 χ^2/NDF : 3178.3/19

Left In: 13287.354+/-63.899 χ^2/NDF : 7196.0/9

-1800.802+/-50.291 χ^2/NDF : 19502.9/27

8101.525+/-45.761 χ^2/NDF : 23895.2/29

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514+/-0.050 χ^2/NDF : 689642.3/16

Left Out: 197.690+/-0.051 χ^2/NDF : 587347.3/10

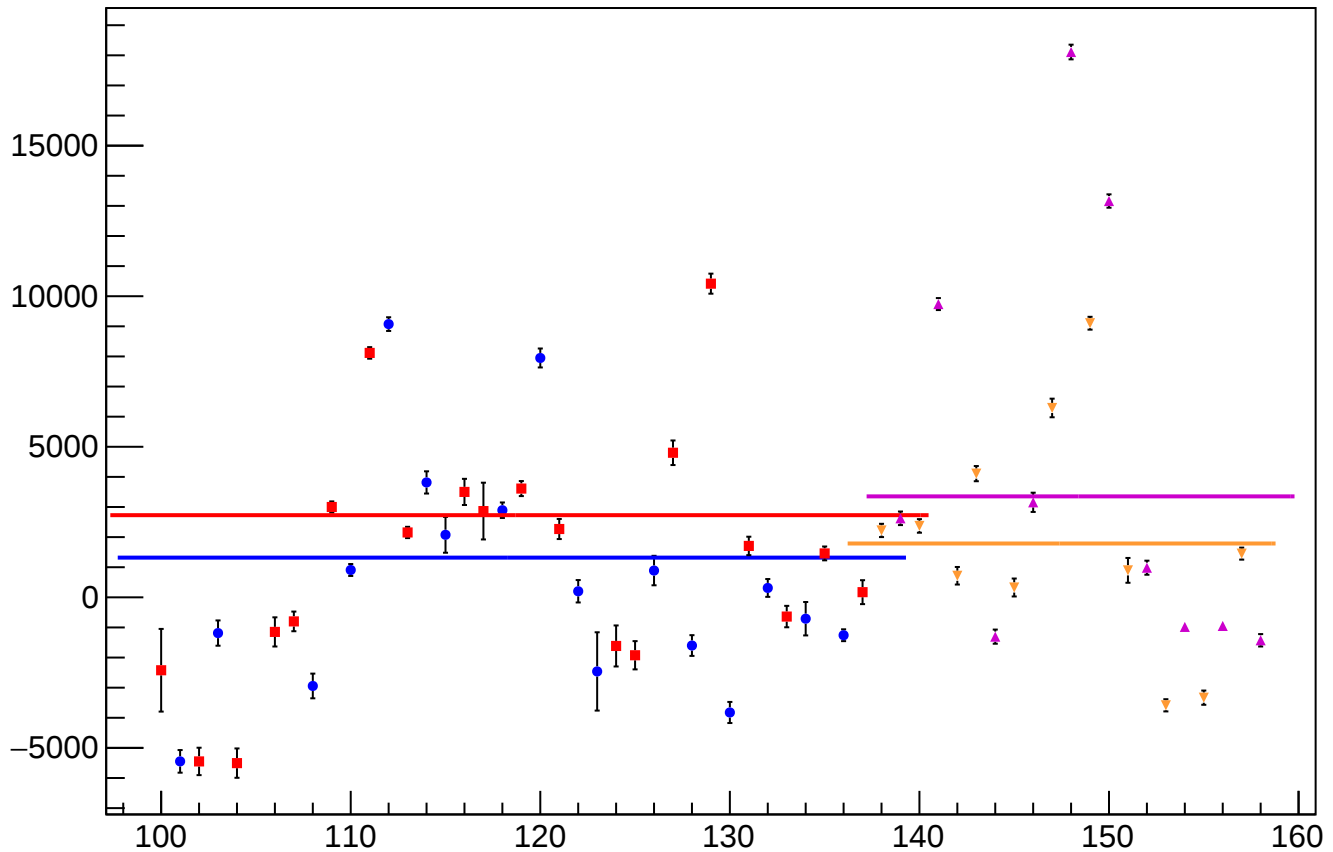
Right Out: 166.522+/-0.046 χ^2/NDF : 931079.9/19

Left In: 173.648+/-0.045 χ^2/NDF : 619331.0/9

186.486+/-0.036 χ^2/NDF : 1374192.3/27

170.177+/-0.032 χ^2/NDF : 1562525.3/29

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1787.827+/-73.578 χ^2/NDF : 2702.4/10

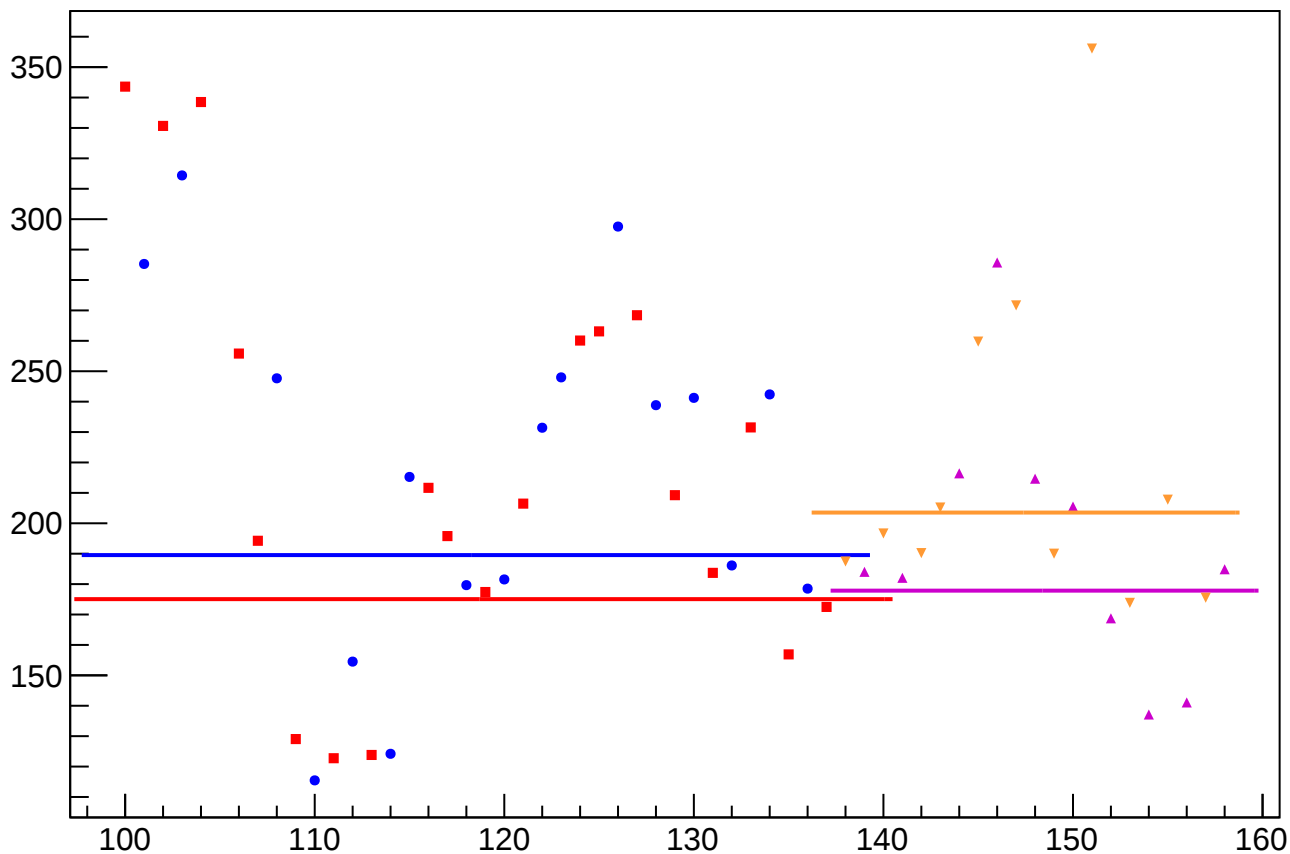
Right Out: 2728.550+/-69.837 χ^2/NDF : 2495.9/19

Left In: 3352.916+/-65.484 χ^2/NDF : 9205.6/9

1564.510+/-53.244 χ^2/NDF : 5388.7/27

3060.797+/-47.769 χ^2/NDF : 11744.1/29

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 ± 0.055 χ^2/NDF : 980744.6/16

Left Out: 203.529 ± 0.052 χ^2/NDF : 550364.3/10

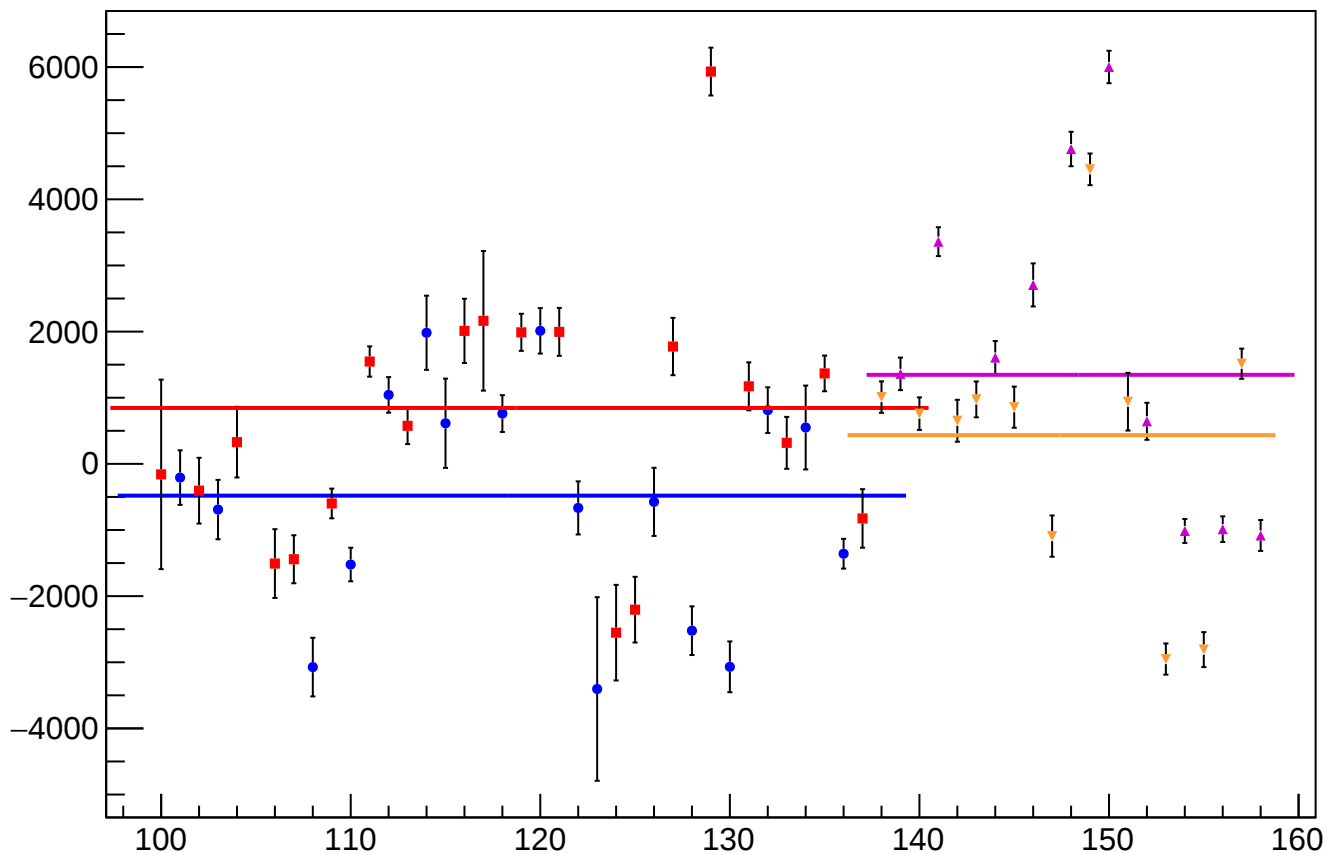
Right Out: 175.058 ± 0.049 χ^2/NDF : 1298079.7/19

Left In: 177.852 ± 0.046 χ^2/NDF : 613036.1/9

196.868 ± 0.038 χ^2/NDF : 1565523.9/27

176.545 ± 0.034 χ^2/NDF : 1912819.1/29

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 434.203 ± 80.952 χ^2/NDF : 700.4/10

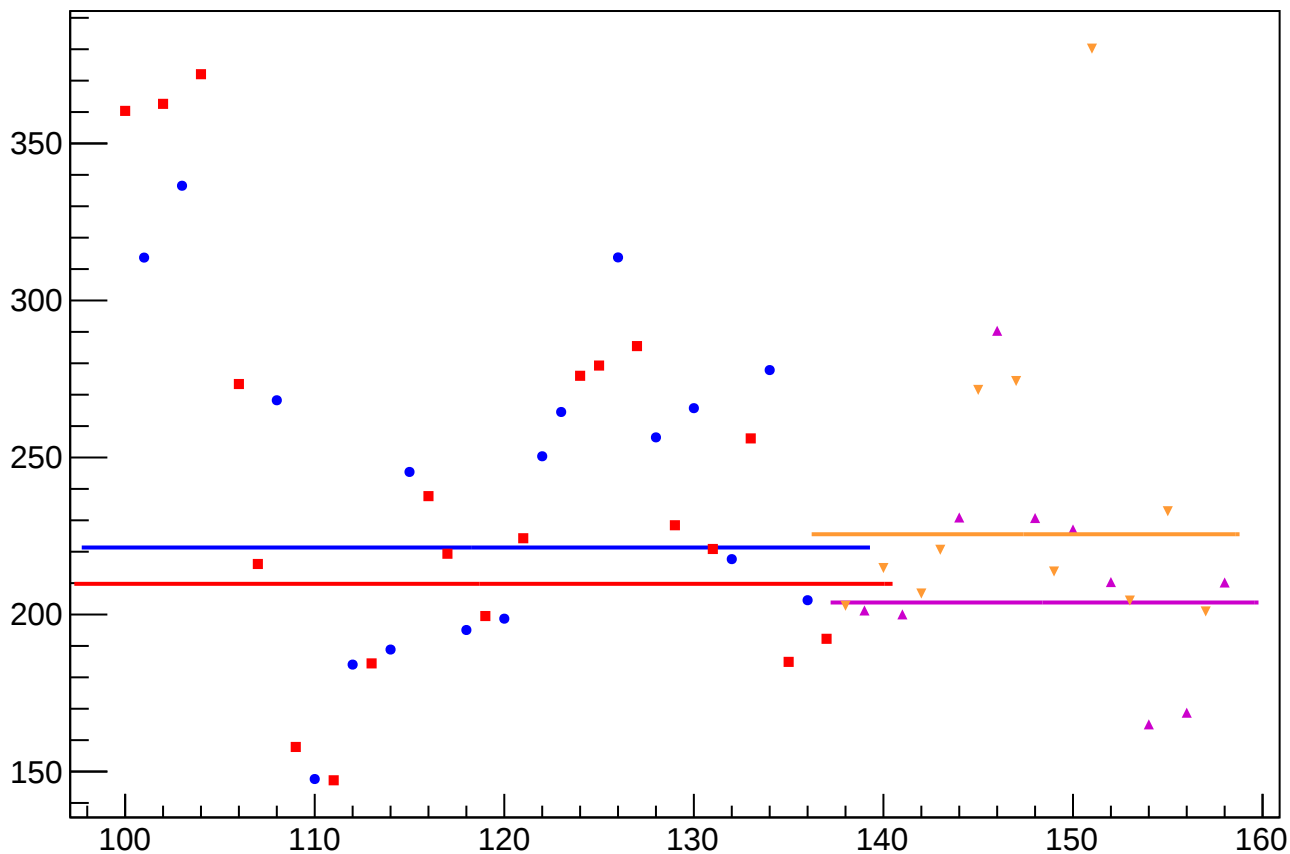
Right Out: 845.444 ± 81.995 χ^2/NDF : 436.9/19

Left In: 1346.330 ± 74.059 χ^2/NDF : 1065.0/9

18.201 ± 59.775 χ^2/NDF : 1049.2/27

1121.291 ± 54.960 χ^2/NDF : 1522.4/29

asym_bpm0i07WS_rms vs Slug



Right In: 221.342+/-0.063 χ^2/NDF : 645688.1/16

Left Out: 225.564+/-0.057 χ^2/NDF : 419352.1/10

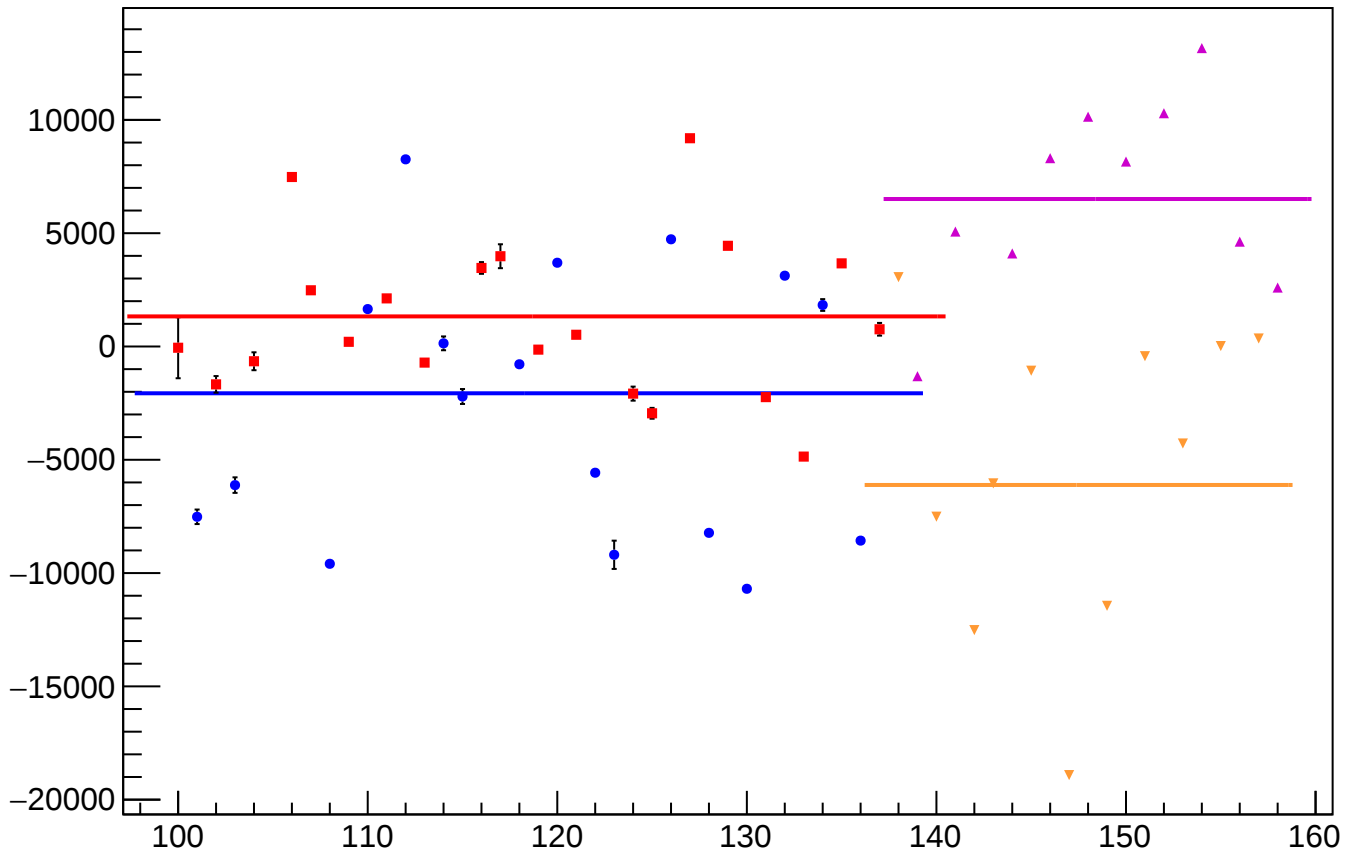
Right Out: 209.775+/-0.058 χ^2/NDF : 884083.7/19

Left In: 203.829+/-0.052 χ^2/NDF : 364490.9/9

223.644+/-0.042 χ^2/NDF : 1067513.9/27

206.500+/-0.039 χ^2/NDF : 1254366.6/29

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -6111.595 ± 41.332 $\chi^2/\text{NDF}: 26199.5/10$

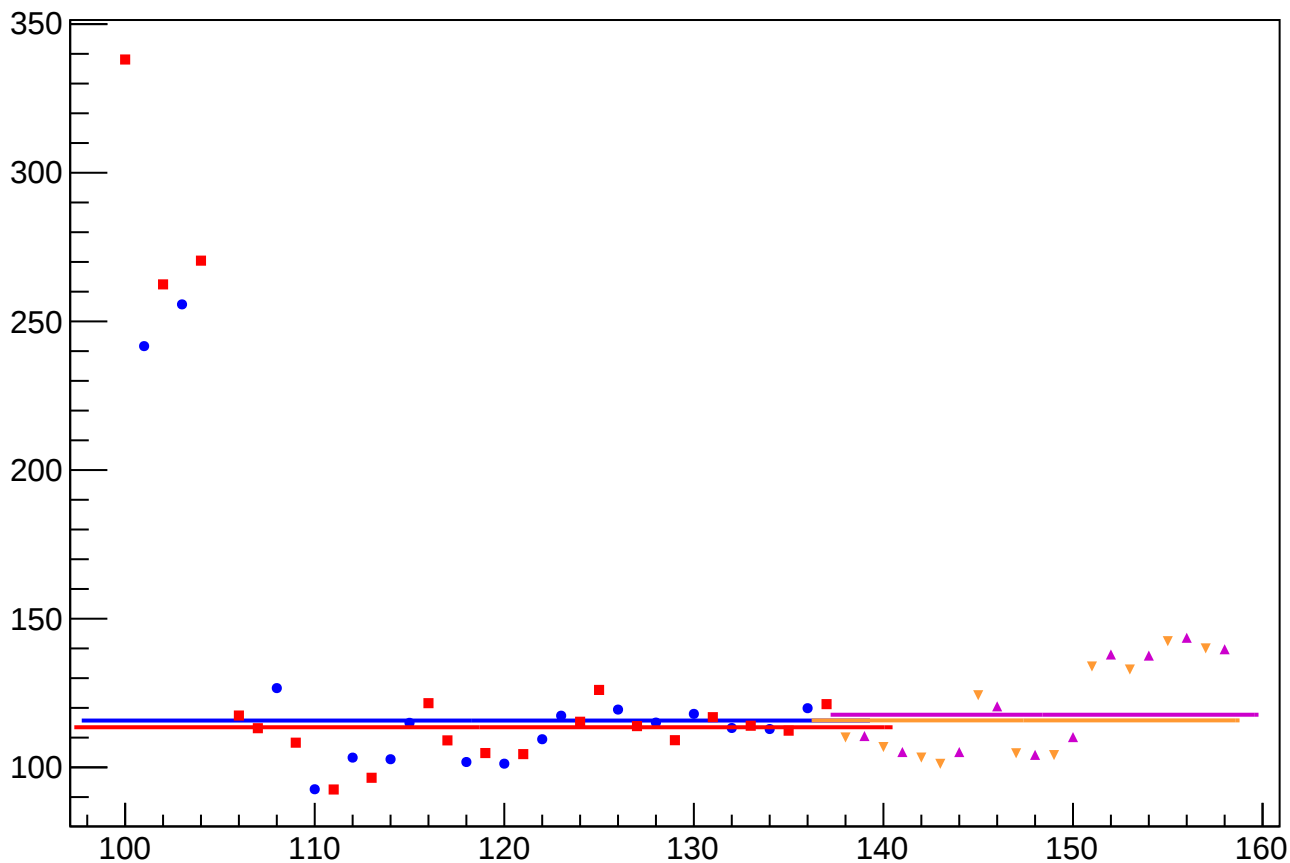
Right Out: 1327.819 ± 44.838 $\chi^2/\text{NDF}: 5919.9/19$

Left In: 6509.028 ± 41.987 $\chi^2/\text{NDF}: 8507.5/9$

-4360.518 ± 31.130 $\chi^2/\text{NDF}: 46880.4/27$

4088.368 ± 30.648 $\chi^2/\text{NDF}: 21541.6/29$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 115.796+/-0.029 χ^2/NDF : 254449.8/10

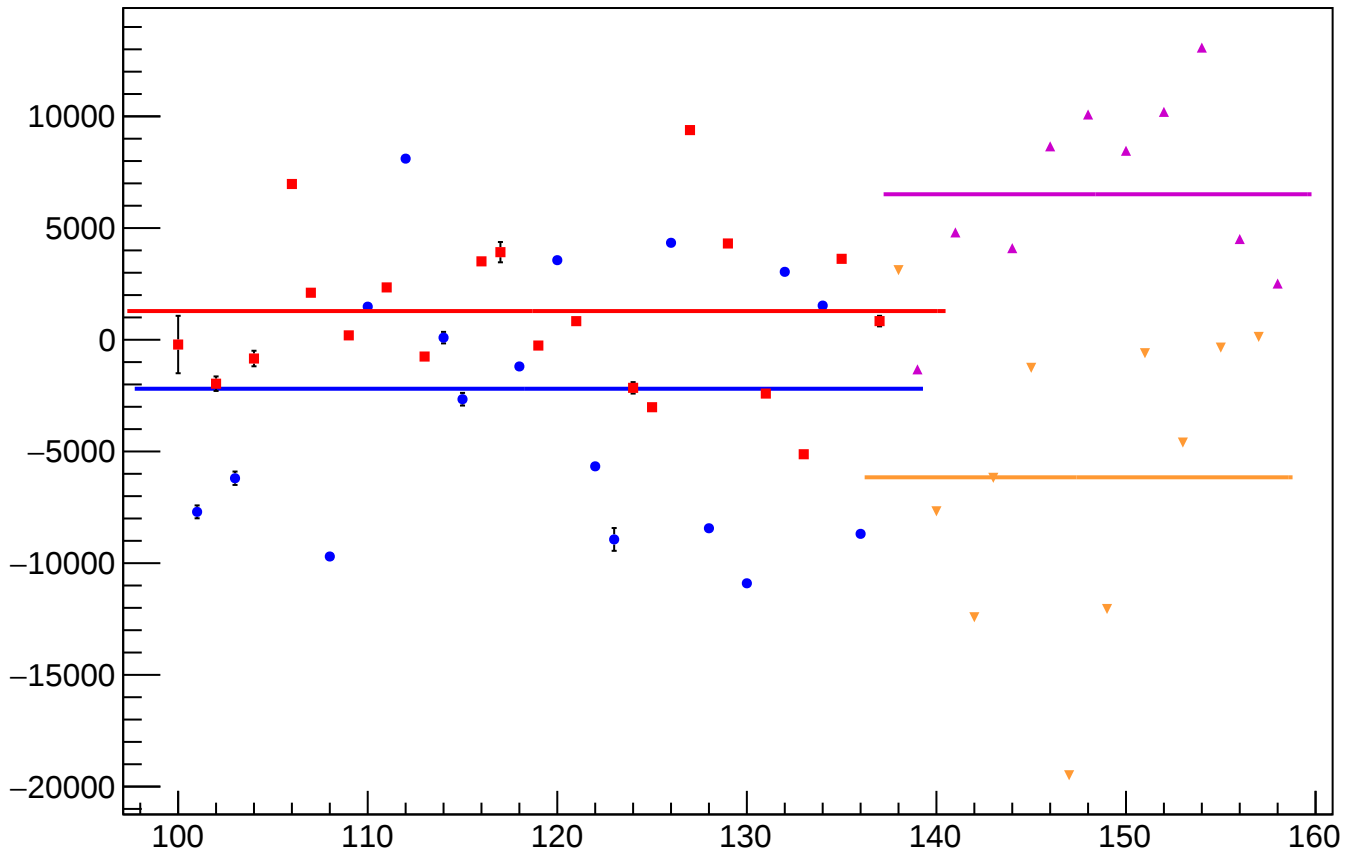
Right Out: 113.487+/-0.032 χ^2/NDF : 796781.7/19

Left In: 117.699+/-0.030 χ^2/NDF : 248602.3/9

115.772+/-0.022 χ^2/NDF : 998469.0/27

115.731+/-0.022 χ^2/NDF : 1054788.4/29

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327 ± 39.944 χ^2/NDF : 22813.5/16

Left Out: -6156.743 ± 37.547 χ^2/NDF : 31732.2/10

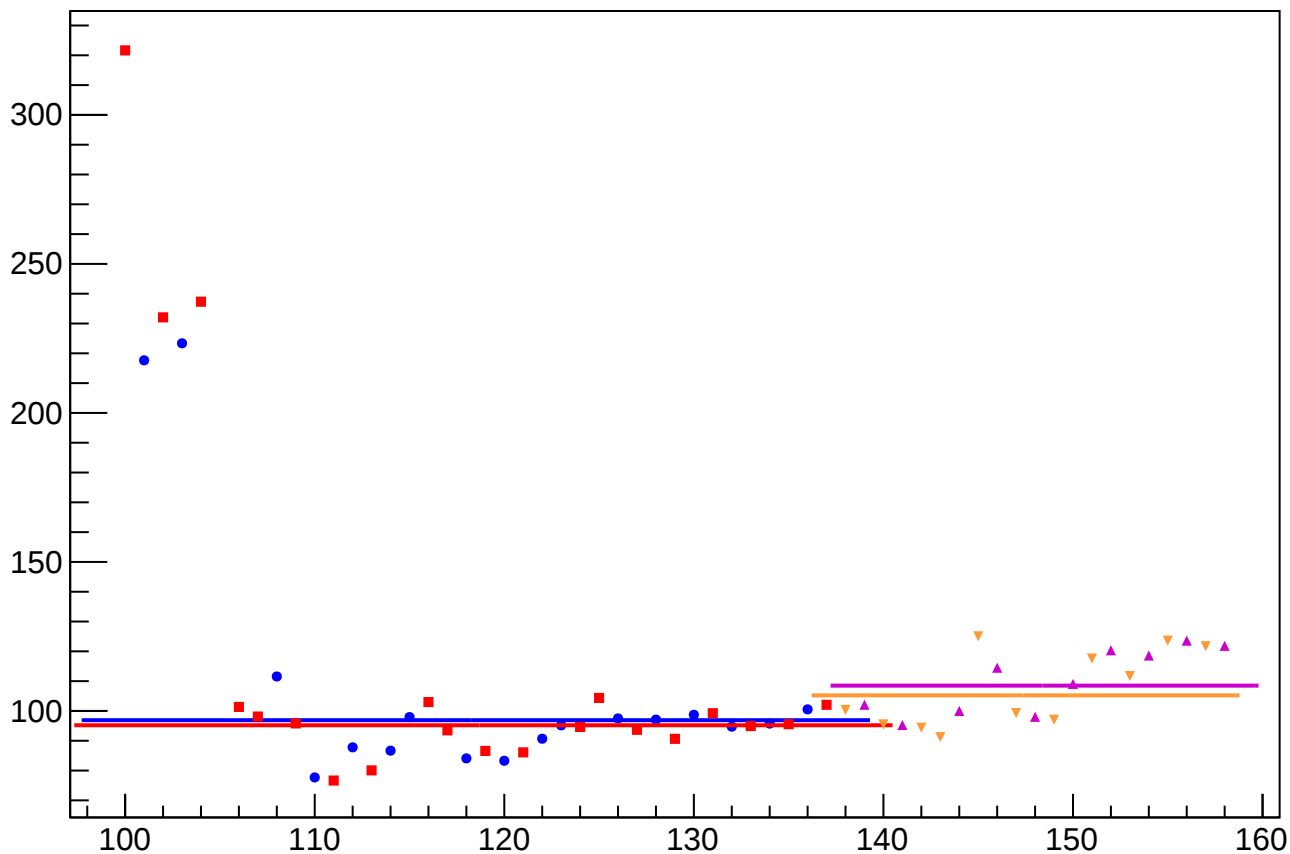
Right Out: 1284.692 ± 37.915 χ^2/NDF : 8584.4/19

Left In: 6512.944 ± 38.620 χ^2/NDF : 10546.2/9

-4297.032 ± 27.358 χ^2/NDF : 59775.3/27

3850.702 ± 27.056 χ^2/NDF : 28462.9/29

asym_bpm1i04WS_rms vs Slug



Right In: 96.894 ± 0.028 χ^2/NDF : 817229.9/16

Left Out: 105.227 ± 0.027 χ^2/NDF : 200163.2/10

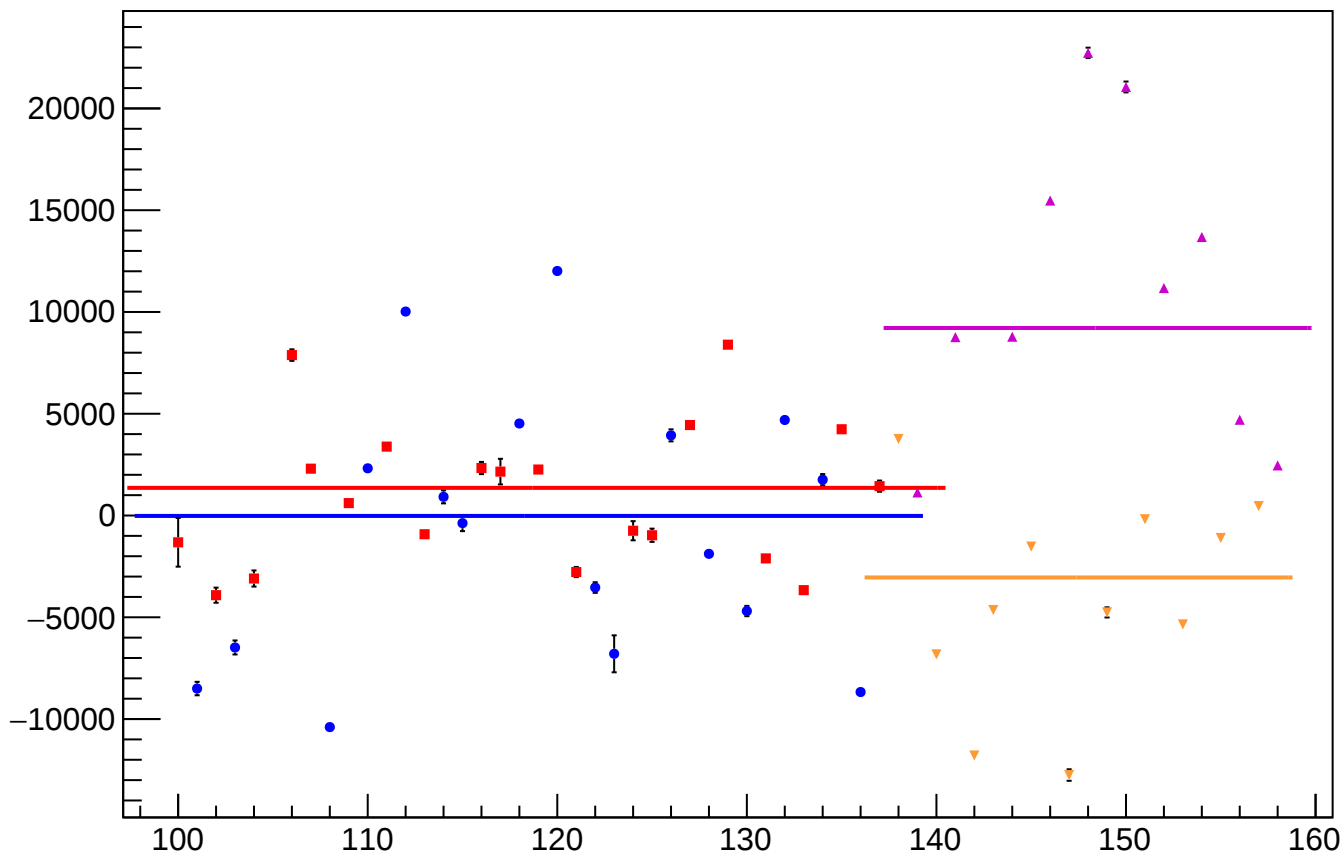
Right Out: 95.201 ± 0.027 χ^2/NDF : 859838.2/19

Left In: 108.497 ± 0.027 χ^2/NDF : 141305.3/9

101.318 ± 0.019 χ^2/NDF : 1063603.3/27

101.727 ± 0.019 χ^2/NDF : 1121837.7/29

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 χ^2/NDF : 16361.0/16

Left Out: -3043.624 ± 55.905 χ^2/NDF : 6170.4/10

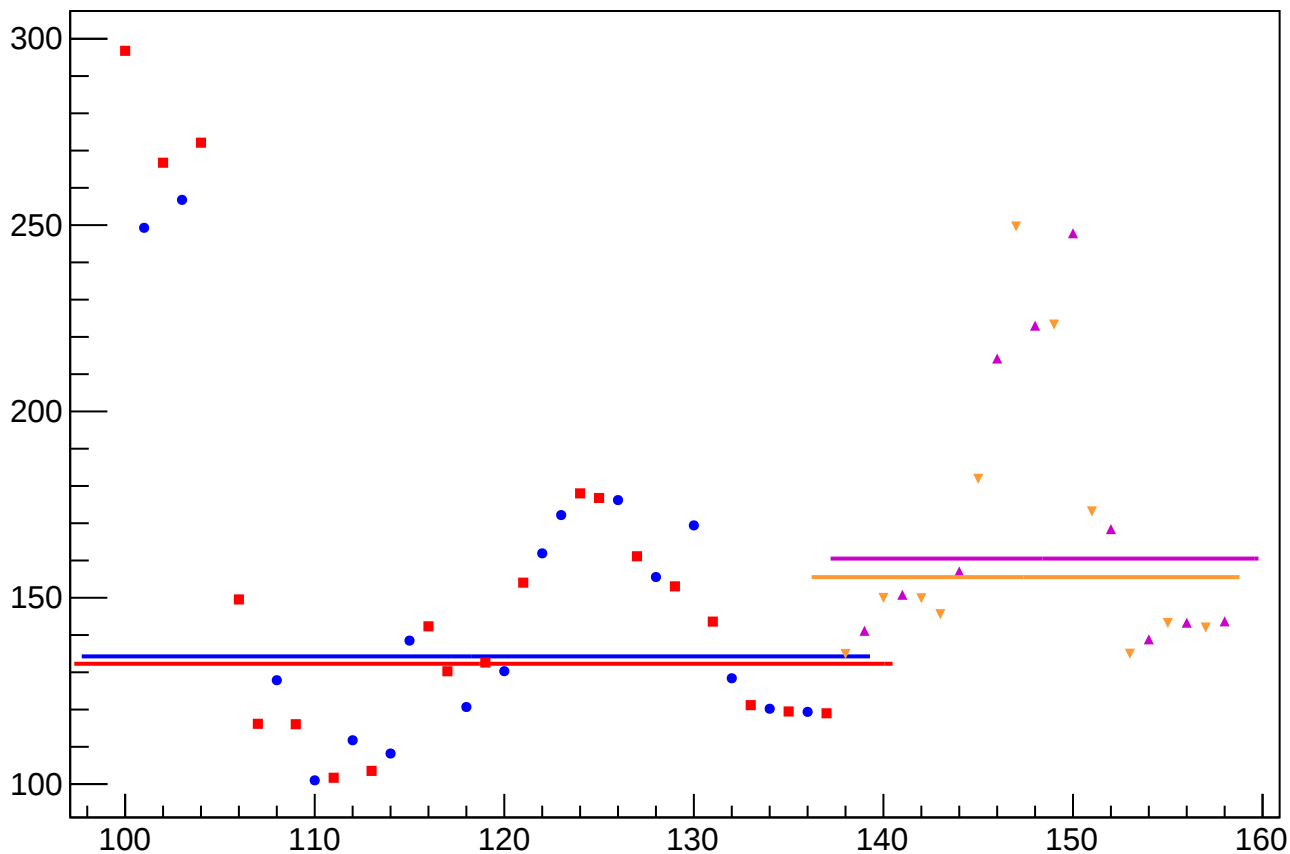
Right Out: 1359.001 ± 52.186 χ^2/NDF : 3838.8/19

Left In: 9213.302 ± 57.945 χ^2/NDF : 11161.2/9

-1497.311 ± 39.077 χ^2/NDF : 24027.4/27

4876.572 ± 38.778 χ^2/NDF : 25144.8/29

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 ± 0.039 $\chi^2/\text{NDF}: 788647.0/16$

Left Out: 155.539 ± 0.040 $\chi^2/\text{NDF}: 521389.0/10$

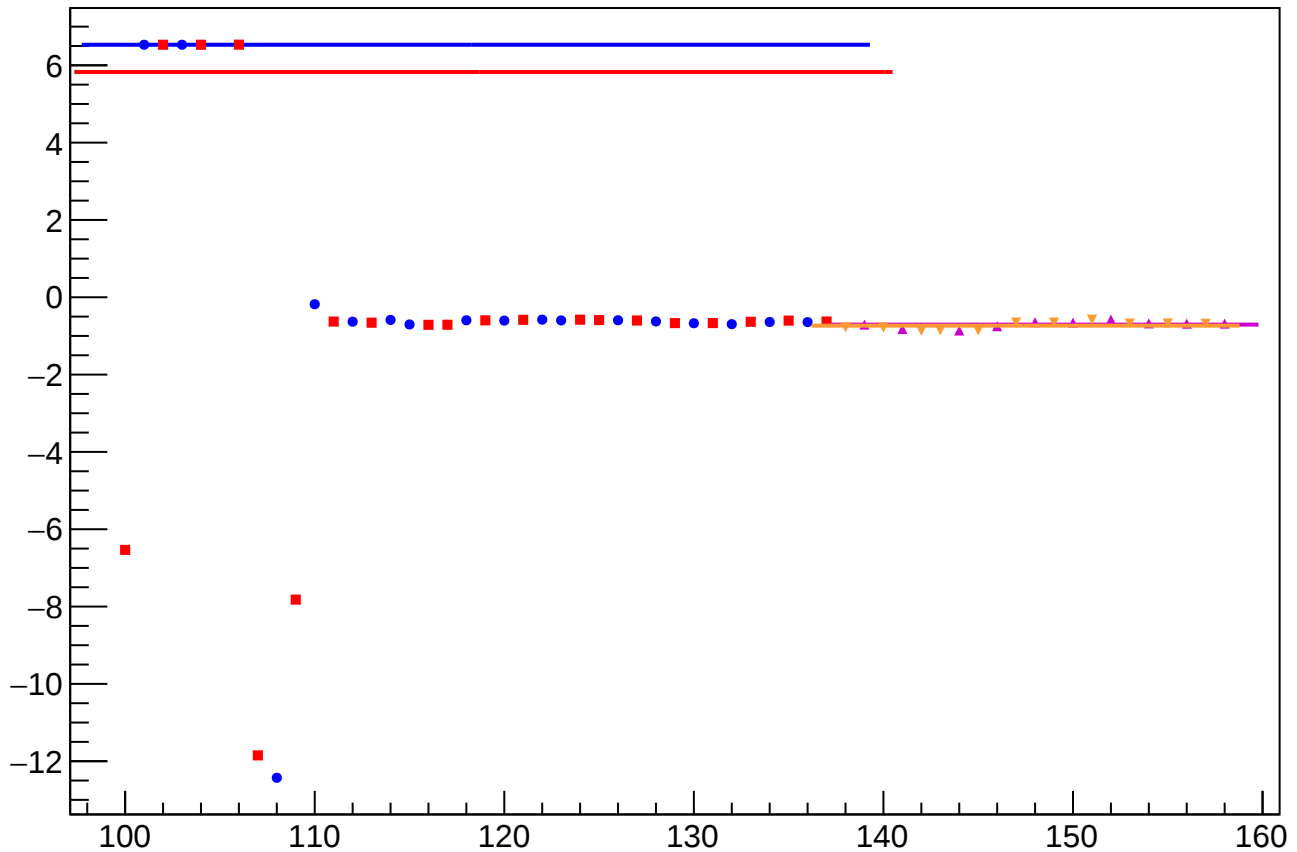
Right Out: 132.288 ± 0.037 $\chi^2/\text{NDF}: 869913.4/19$

Left In: 160.516 ± 0.041 $\chi^2/\text{NDF}: 557425.8/9$

144.661 ± 0.028 $\chi^2/\text{NDF}: 1458117.9/27$

144.930 ± 0.027 $\chi^2/\text{NDF}: 1689399.9/29$

yield_cav4bX_mean vs Slug



Right In: 6.532 ± 0.000 χ^2/NDF : 127906780672.7/16

Left Out: -0.734 ± 0.000 χ^2/NDF : 70509351.5/10

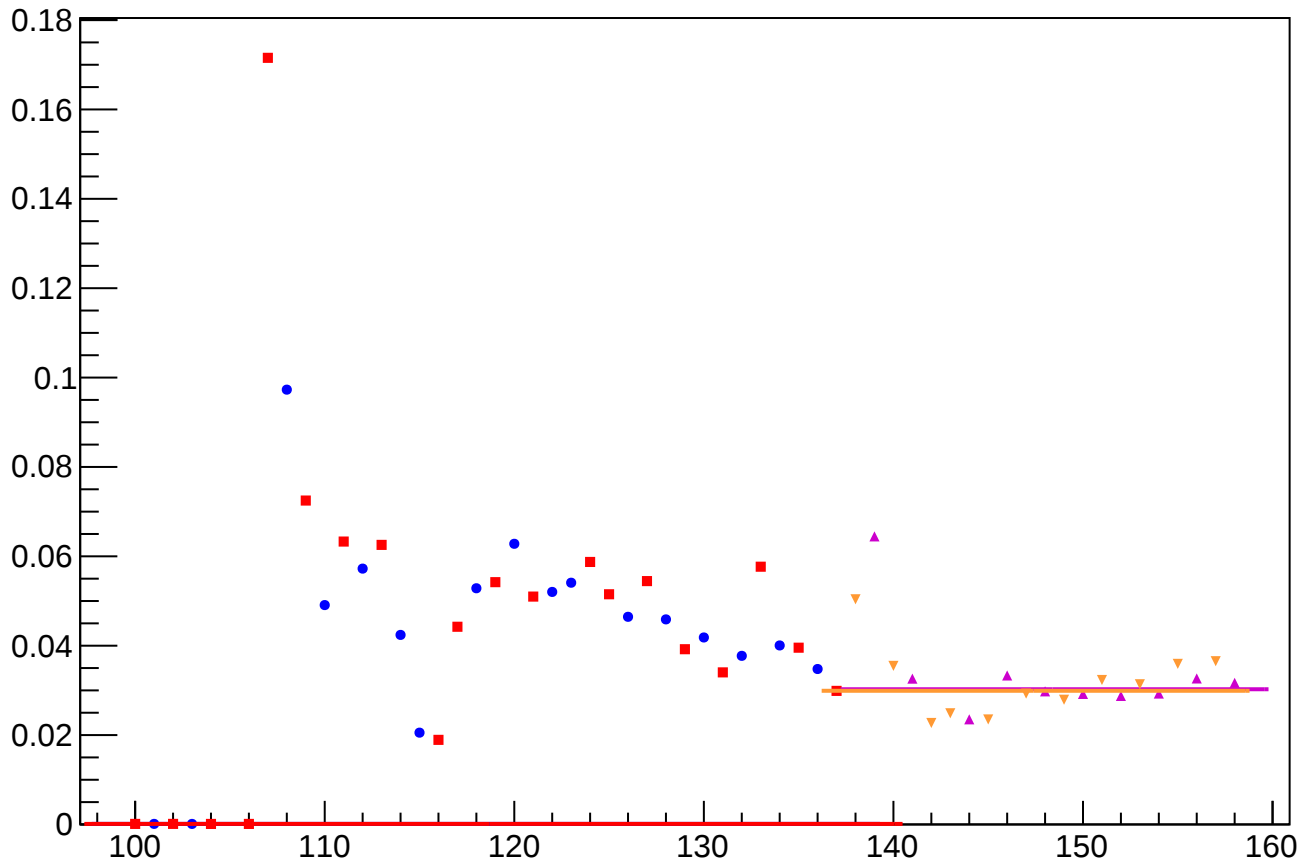
6.531 ± 0.000 χ^2/NDF : 497926660372.0/27

Right Out: 5.827 ± 0.000 χ^2/NDF : 755949520765363.8/19

5.827 ± 0.000 χ^2/NDF : 756247472421449.5/29

Left In: -0.707 ± 0.000 χ^2/NDF : 54599411.5/9

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.030+/-0.000 χ^2/NDF :506710.2/10

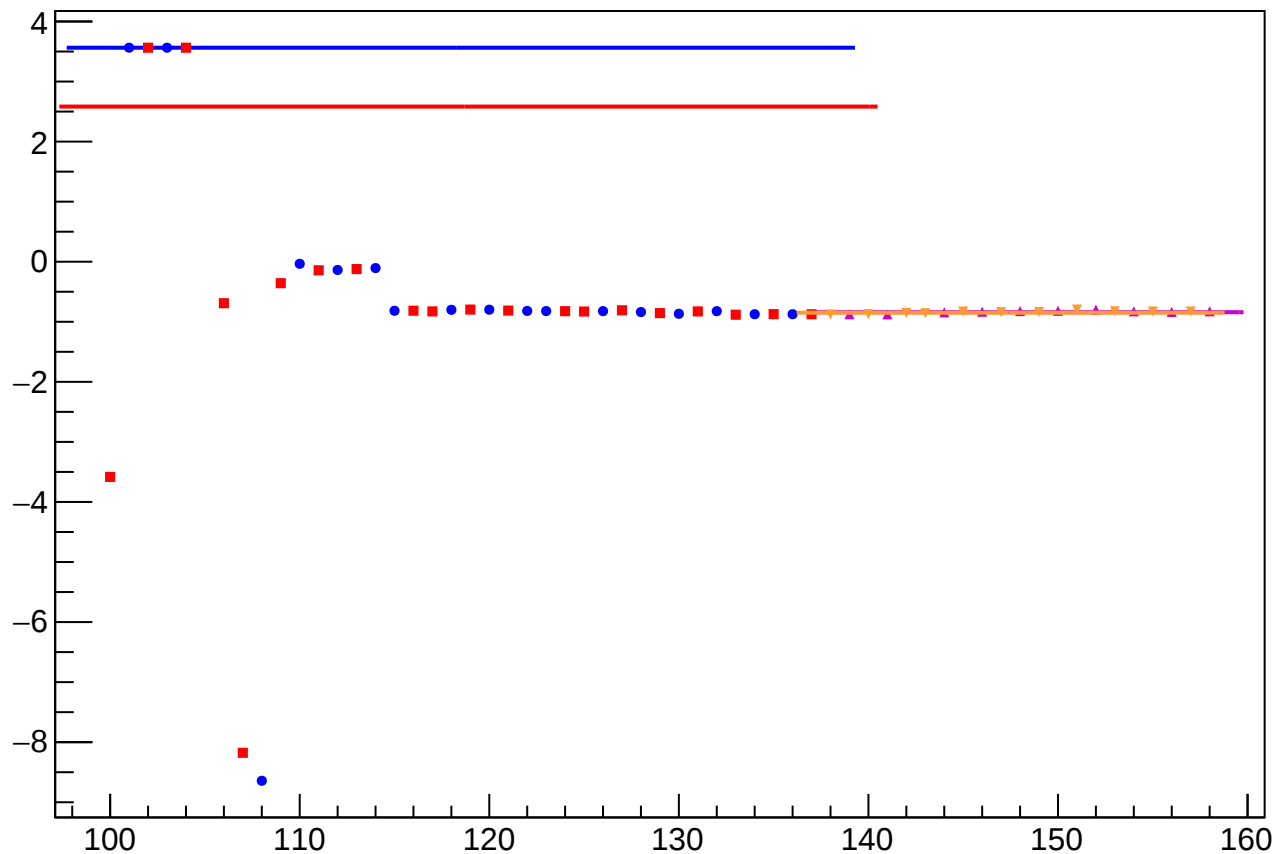
Right Out: 0.000+/-0.000 χ^2/NDF : 9453181.1/19

Left In: 0.030+/-0.000 χ^2/NDF :506545.3/9

0.000+/-0.000 χ^2/NDF : 21972601.0/27

0.000+/-0.000 χ^2/NDF : 22628358.3/29

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.848+/-0.000 χ^2/NDF : 36069700.0/10

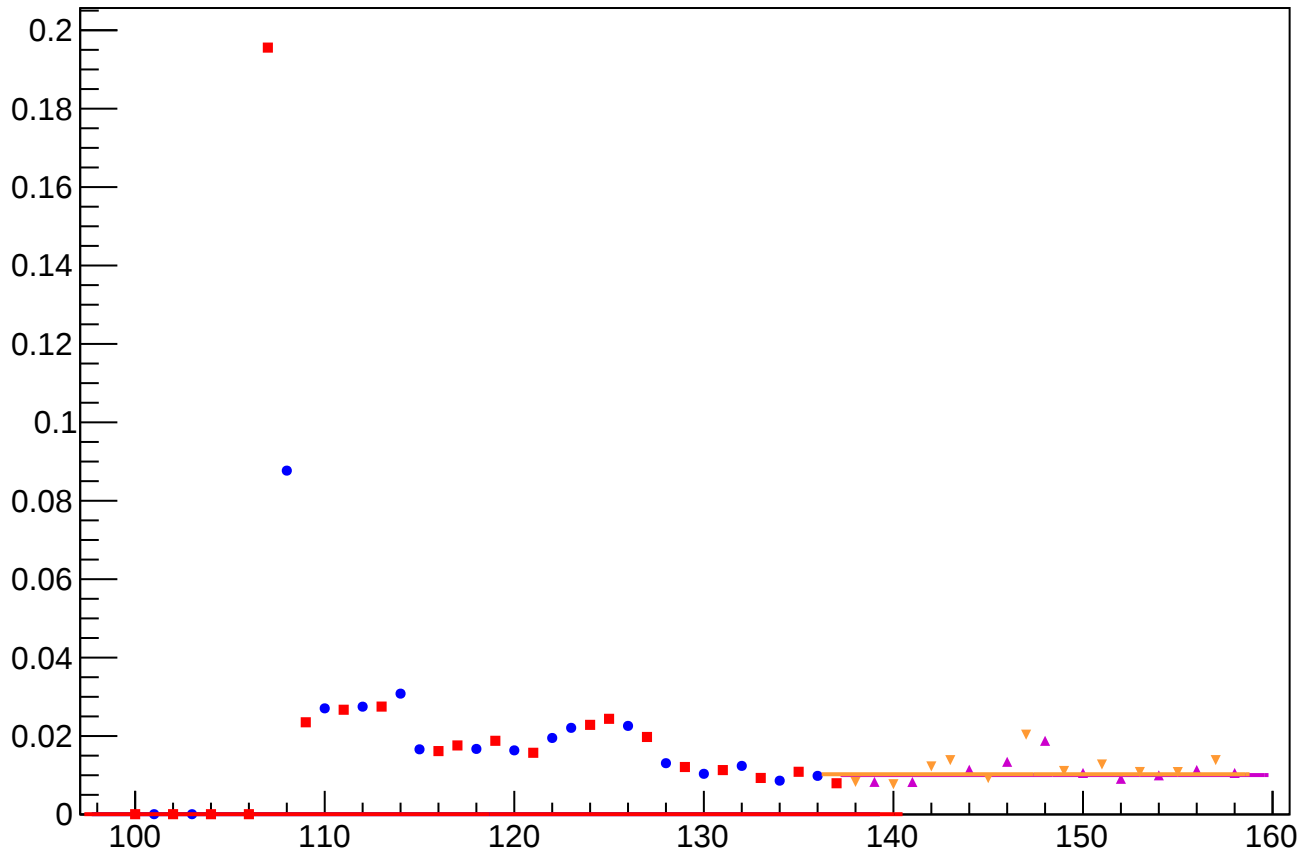
Right Out: 2.583+/-0.000 χ^2/NDF : 1253506756008351.0/19

Left In: -0.841+/-0.000 χ^2/NDF : 48000139.2/9

3.562+/-0.000 χ^2/NDF : 1604181594553.1/27

2.583+/-0.000 χ^2/NDF : 1254223991781038.2/27

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 :803757.0/10

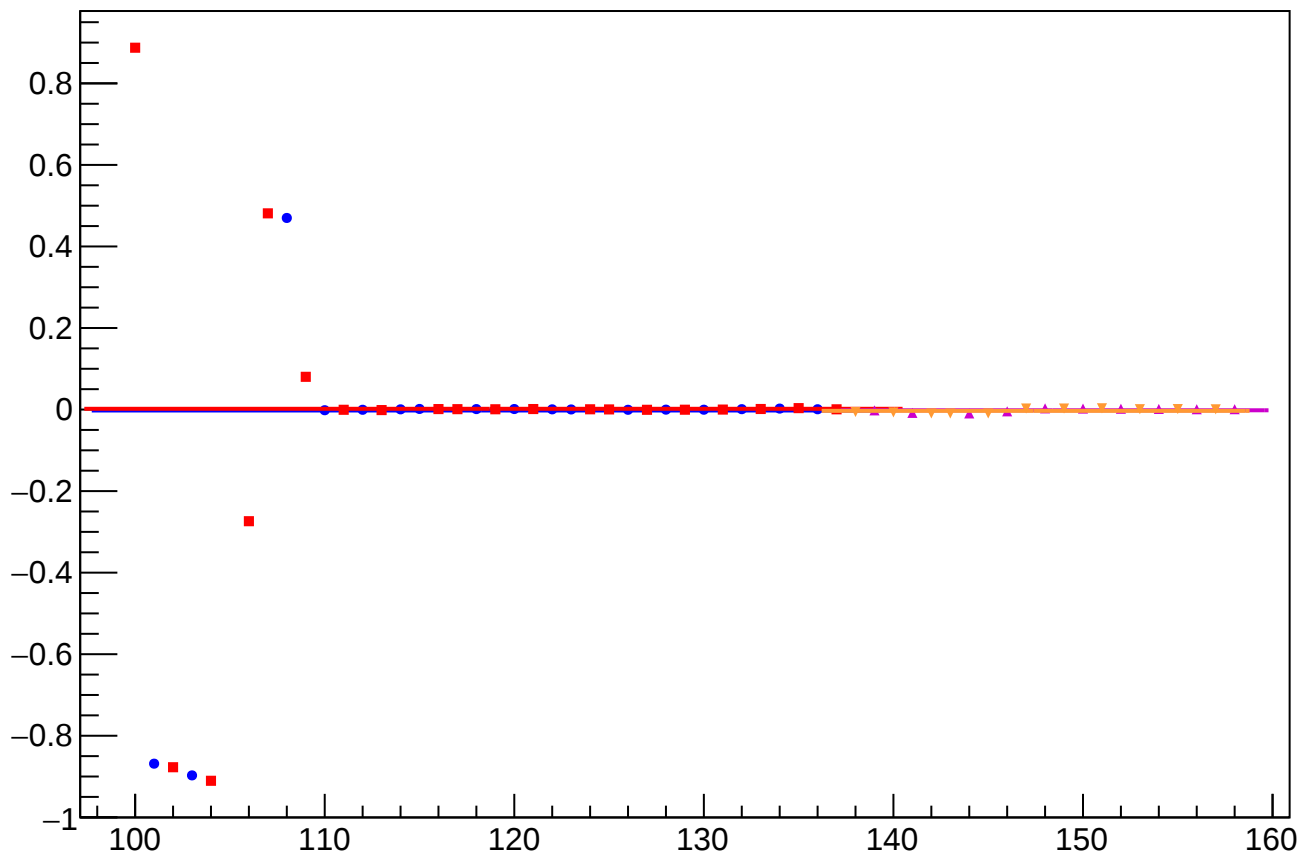
Right Out: 0.000+/-0.000 χ^2/NDF : 9955781.5/19

Left In: 0.010+/-0.000 χ^2/NDF :553607.8/9

0.000+/-0.000 χ^2/NDF : 22570138.5/27

0.000+/-0.000 χ^2/NDF : 22689445.6/29

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9795424036.3/16

Left Out: -0.003 ± 0.000 χ^2/NDF : 75136845.3/10

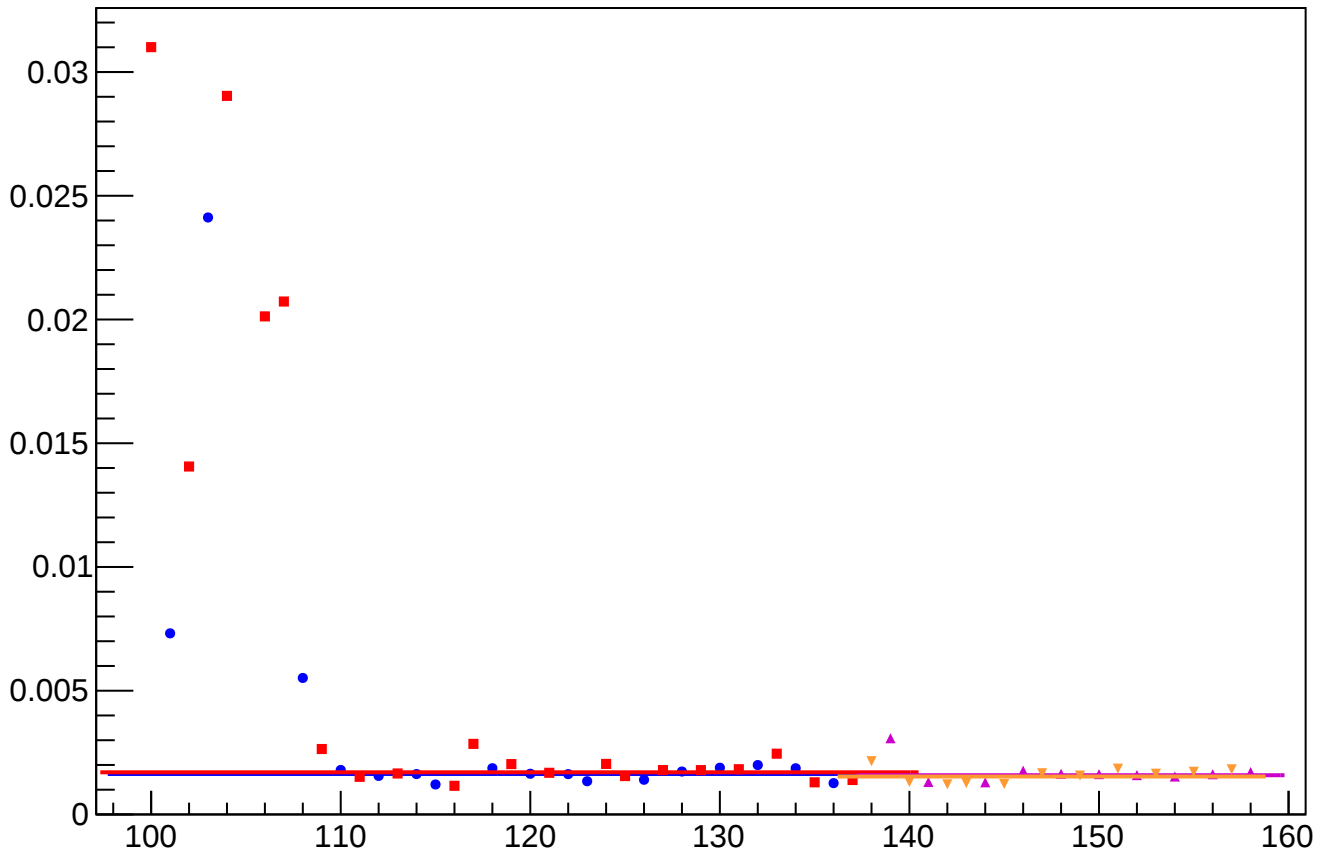
Right Out: 0.002 ± 0.000 χ^2/NDF : 3041335141.0/19

Left In: -0.002 ± 0.000 χ^2/NDF : 57300127.3/9

-0.003 ± 0.000 χ^2/NDF : 9871354965.8/27

-0.000 ± 0.000 χ^2/NDF : 3111312669.7/29

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1919127.9/16

Left Out: 0.002+/-0.000 χ^2/NDF :376180.2/10

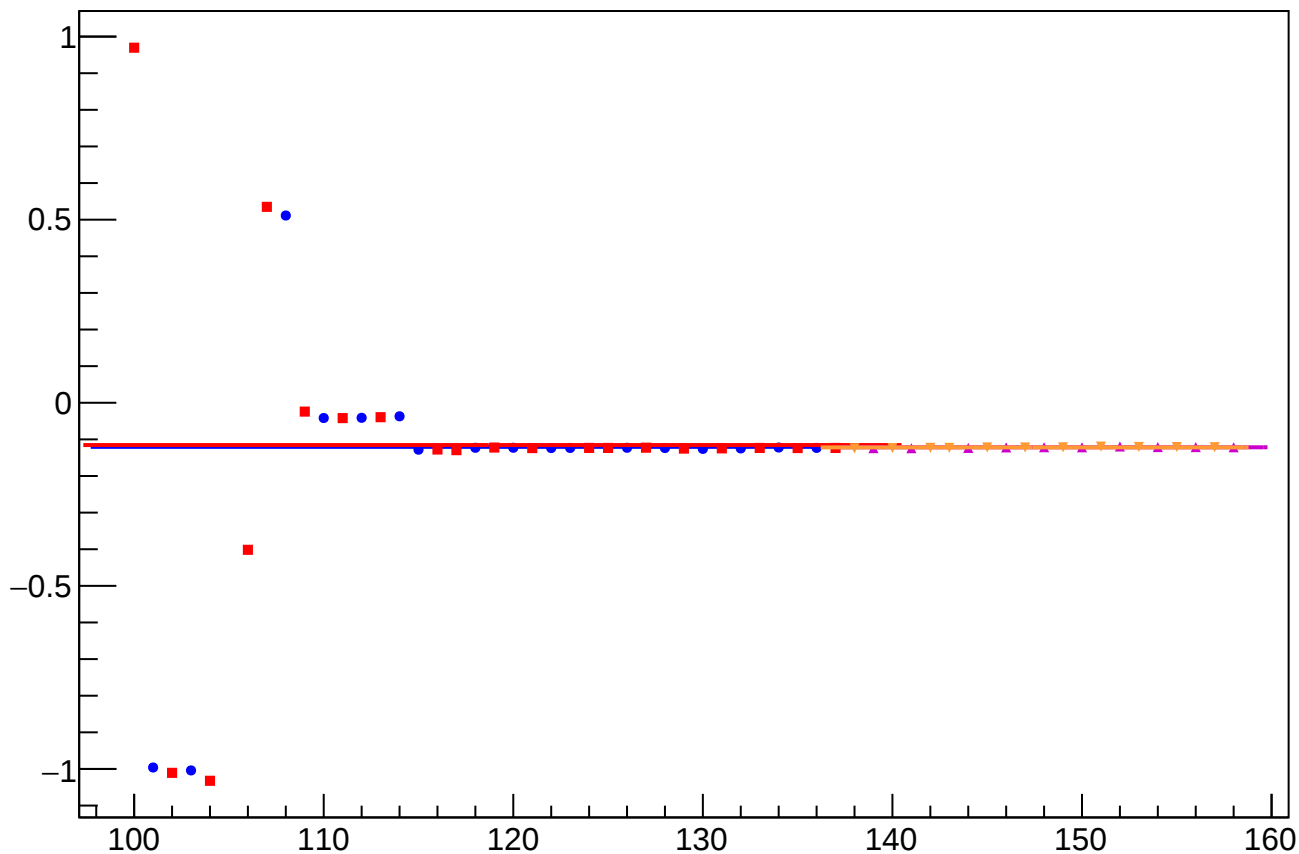
0.002+/-0.000 χ^2/NDF : 2316986.3/27

Right Out: 0.002+/-0.000 χ^2/NDF : 3038397.4/19

0.002+/-0.000 χ^2/NDF : 3520728.3/29

Left In: 0.002+/-0.000 χ^2/NDF :455406.5/9

yield_cav4cY_mean vs Slug



Right In: -0.120 ± 0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.122 ± 0.000 χ^2/NDF : 9629461.4/10

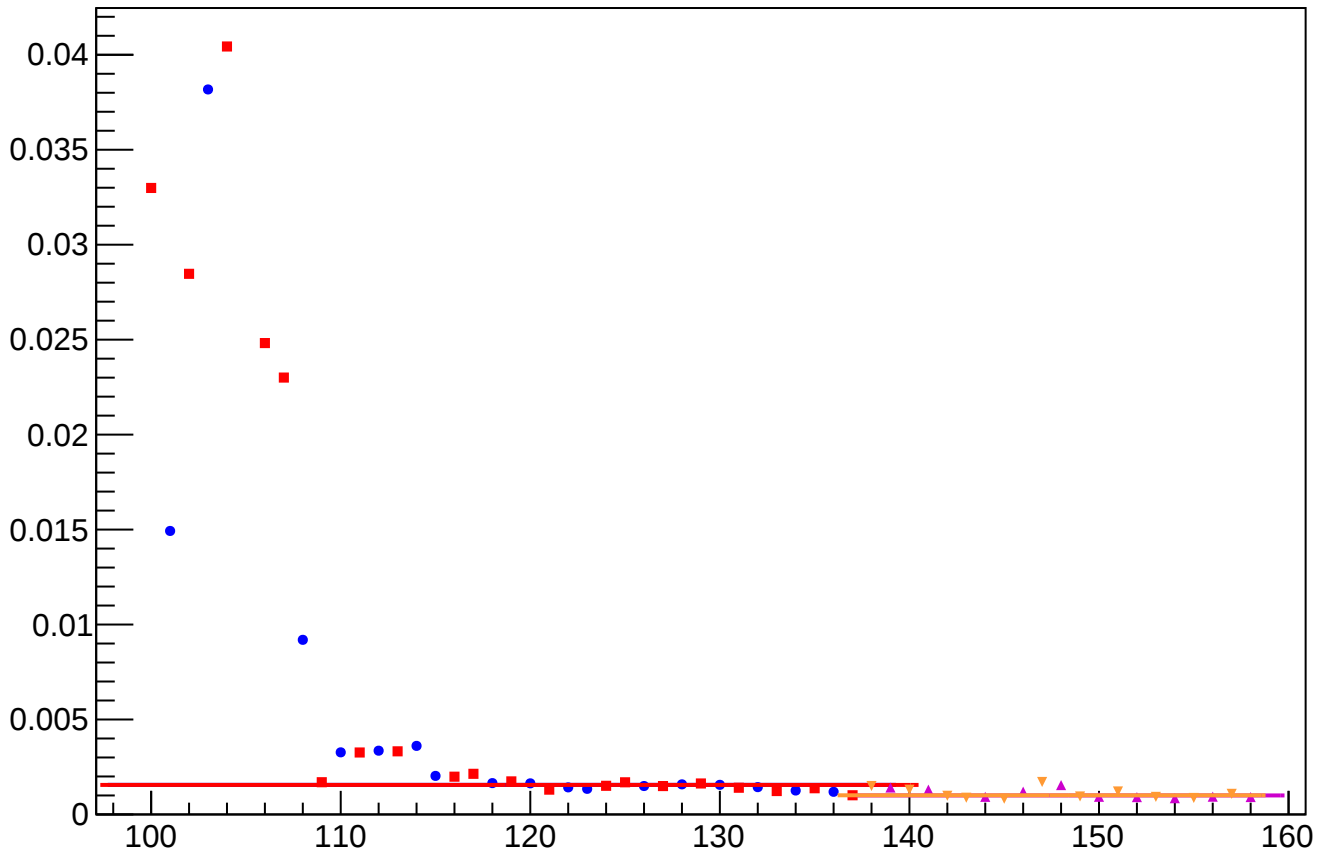
Right Out: -0.115 ± 0.000 χ^2/NDF : 2458720596.9/19

Left In: -0.122 ± 0.000 χ^2/NDF : 12463602.0/9

-0.122 ± 0.000 χ^2/NDF : 3945253211.8/27

-0.120 ± 0.000 χ^2/NDF : 2527121958.2/29

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2903607.4/16

Left Out: 0.001+/-0.000 χ^2/NDF : 662520.4/10

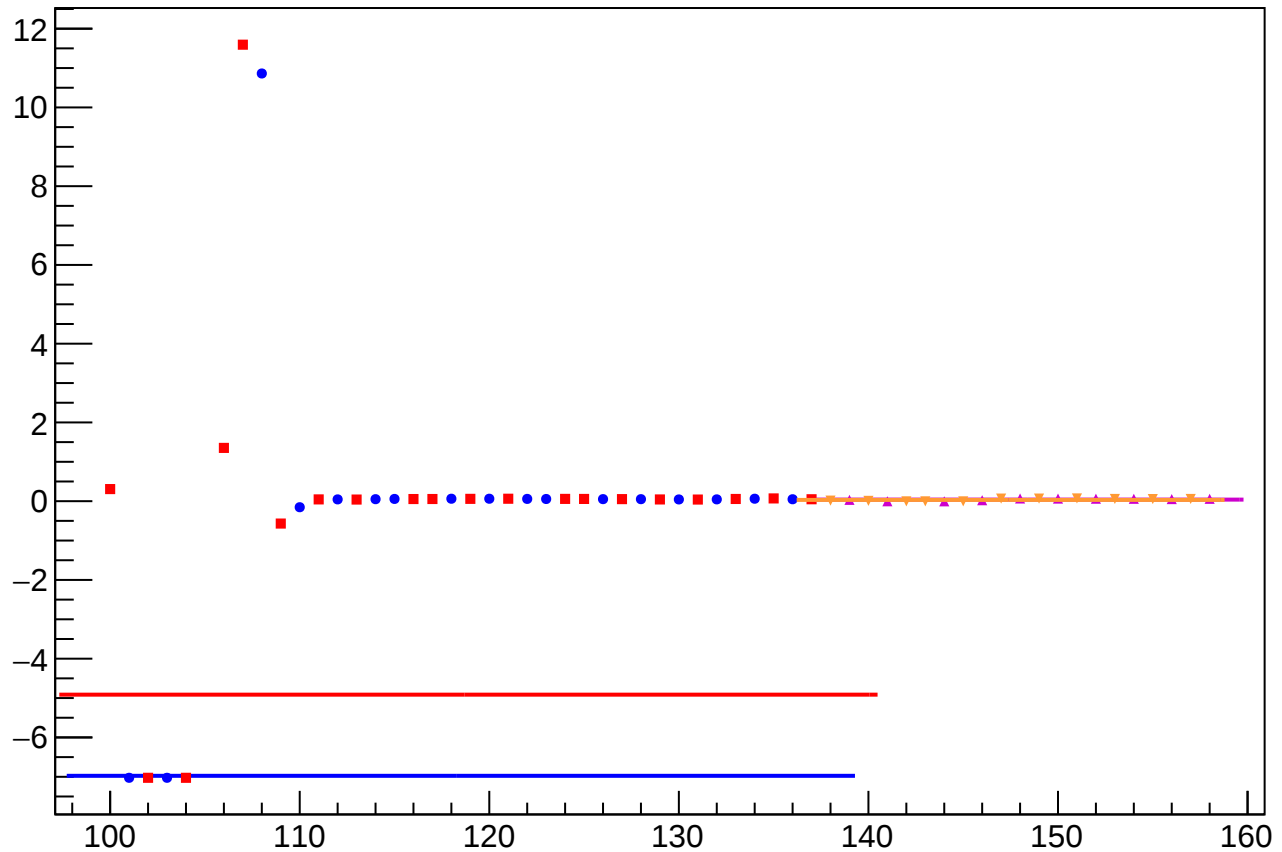
0.001+/-0.000 χ^2/NDF : 4471926.2/27

Right Out: 0.002+/-0.000 χ^2/NDF : 3544377.2/19

0.001+/-0.000 χ^2/NDF : 4989551.1/29

Left In: 0.001+/-0.000 χ^2/NDF : 516470.3/9

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.032+/-0.000 χ^2/NDF : 74584545.0/10

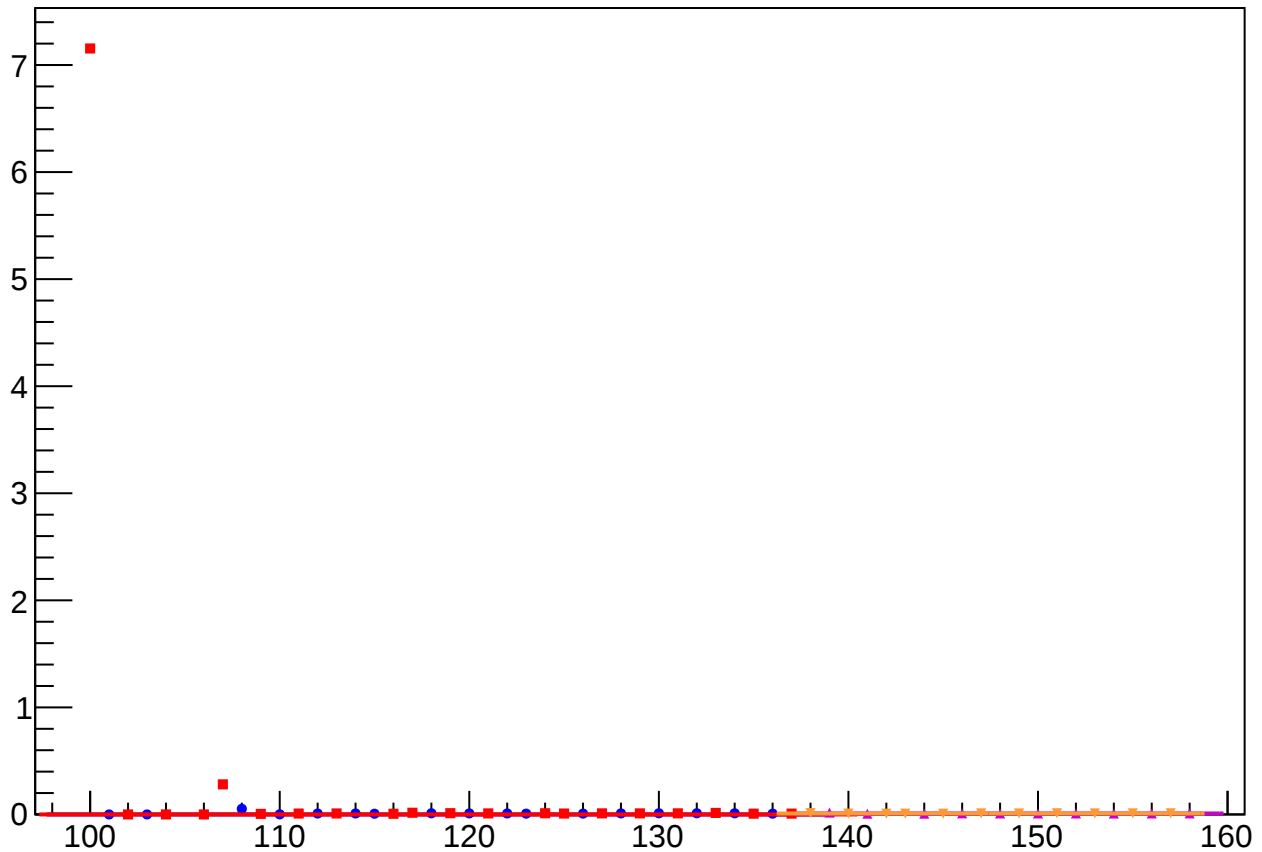
Right Out: -4.914+/-0.000 χ^2/NDF : 365366243956054.8/19

Left In: 0.040+/-0.000 χ^2/NDF : 62746530.5/9

-6.954+/-0.000 χ^2/NDF : 12531368357261.9/27

-4.900+/-0.000 χ^2/NDF : 367184011649626.3/2

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 : 374947.8/10

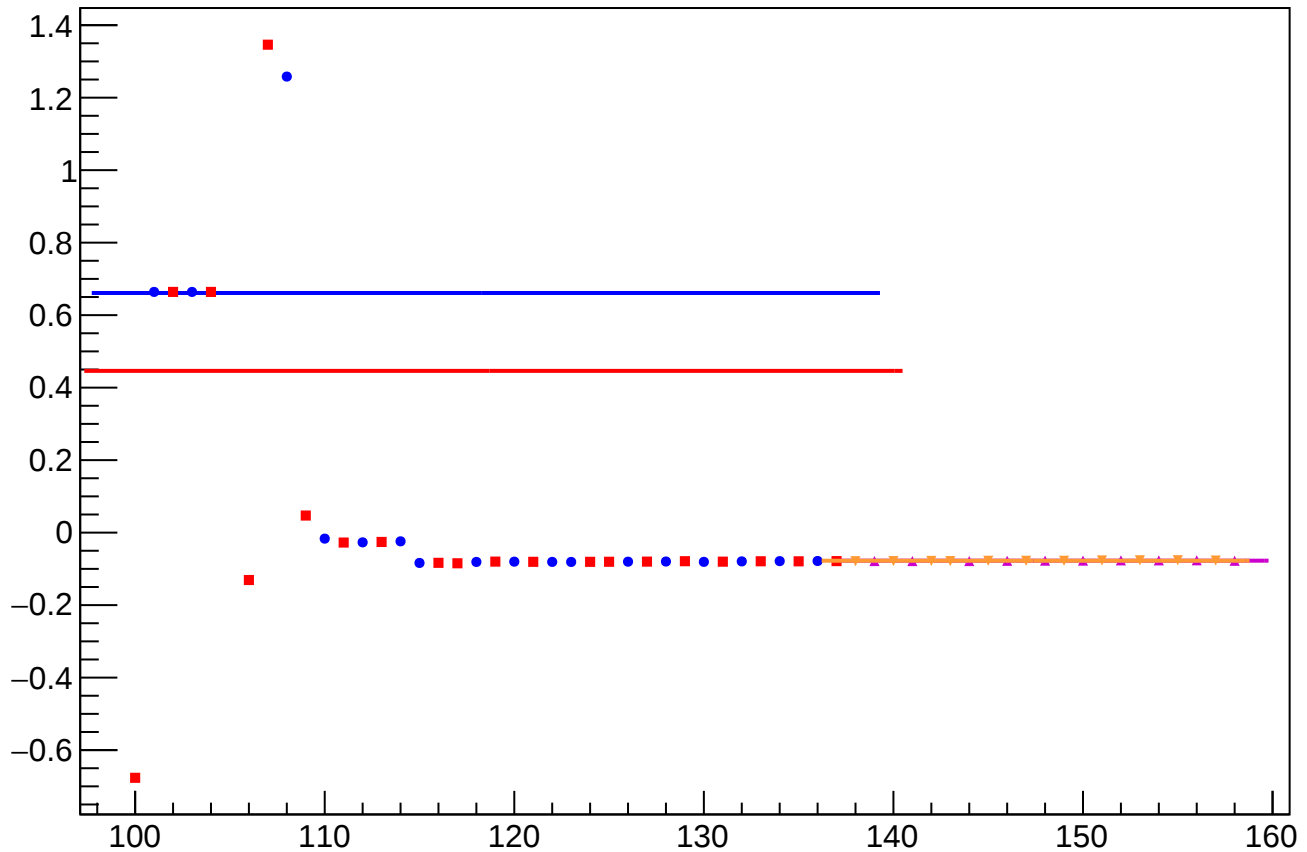
Right Out: 0.000+/-0.000 χ^2/NDF : 8880914.4/19

Left In: 0.009+/-0.000 χ^2/NDF : 457686.5/9

0.000+/-0.000 χ^2/NDF : 20688051.1/27

0.000+/-0.000 χ^2/NDF : 21611088.1/29

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5678332616622.1/16

Left Out: -0.078+/-0.000 χ^2/NDF : 19007144.8/10

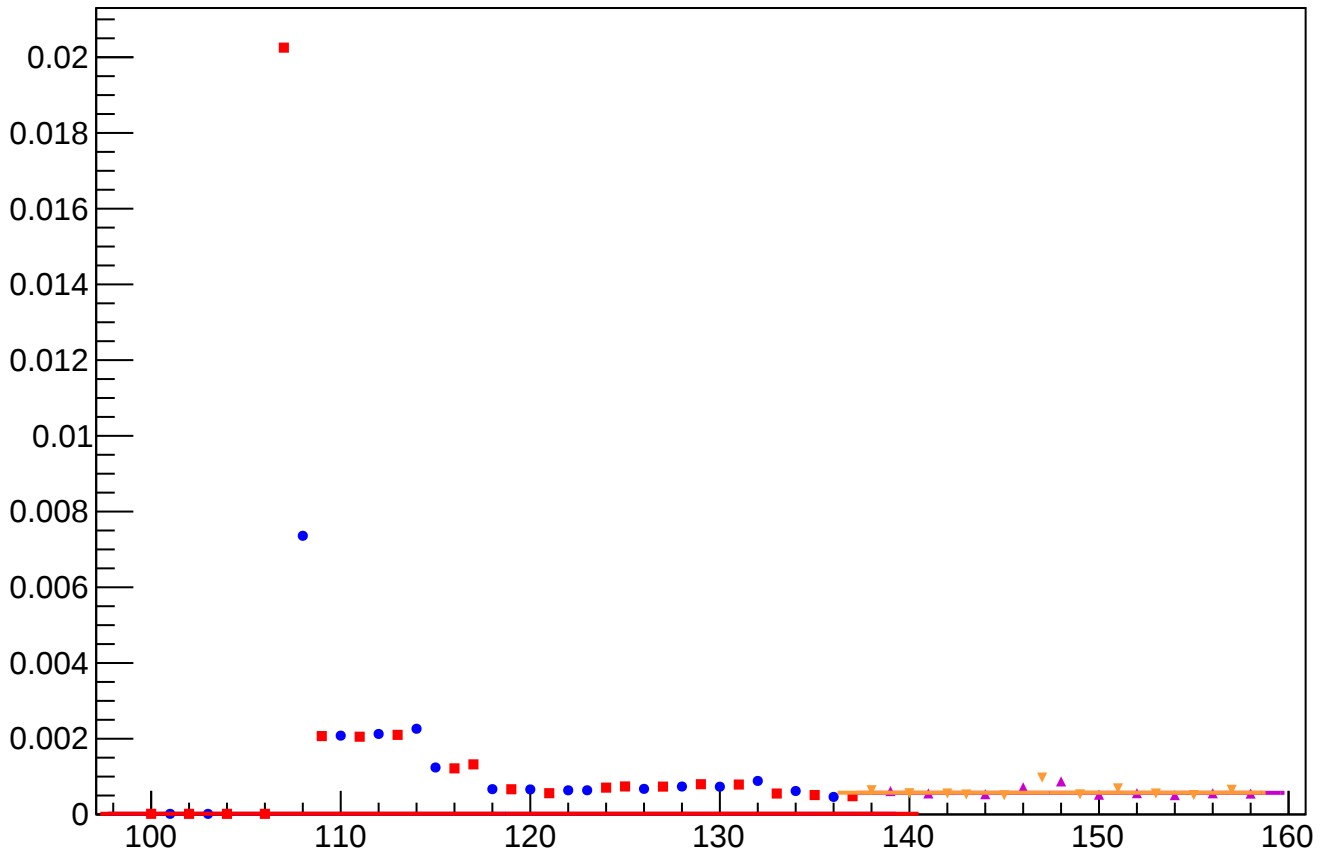
Right Out: 0.446+/-0.000 χ^2/NDF : 405434749783850.4/19

Left In: -0.077+/-0.000 χ^2/NDF : 14843415.5/9

0.655+/-0.000 χ^2/NDF : 18037510531469.2/27

0.442+/-0.000 χ^2/NDF : 411874310459907.0/29

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 : 400543.5/10

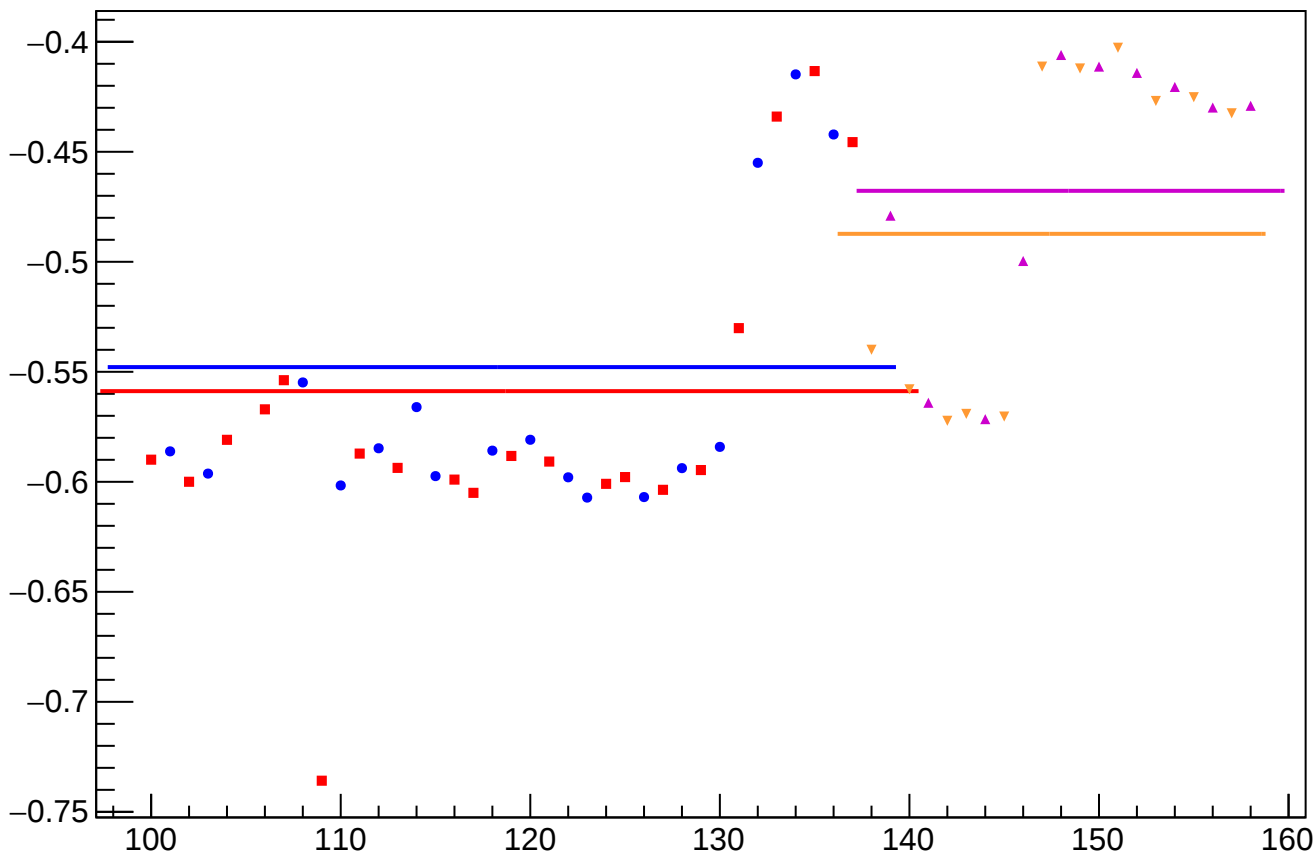
Right Out: 0.000+/-0.000 χ^2/NDF : 9575039.3/19

Left In: 0.001+/-0.000 χ^2/NDF : 303644.8/9

0.000+/-0.000 χ^2/NDF : 24437995.4/27

0.000+/-0.000 χ^2/NDF : 24213995.1/29

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.487+/-0.000 χ^2/NDF : 84229461.1/10

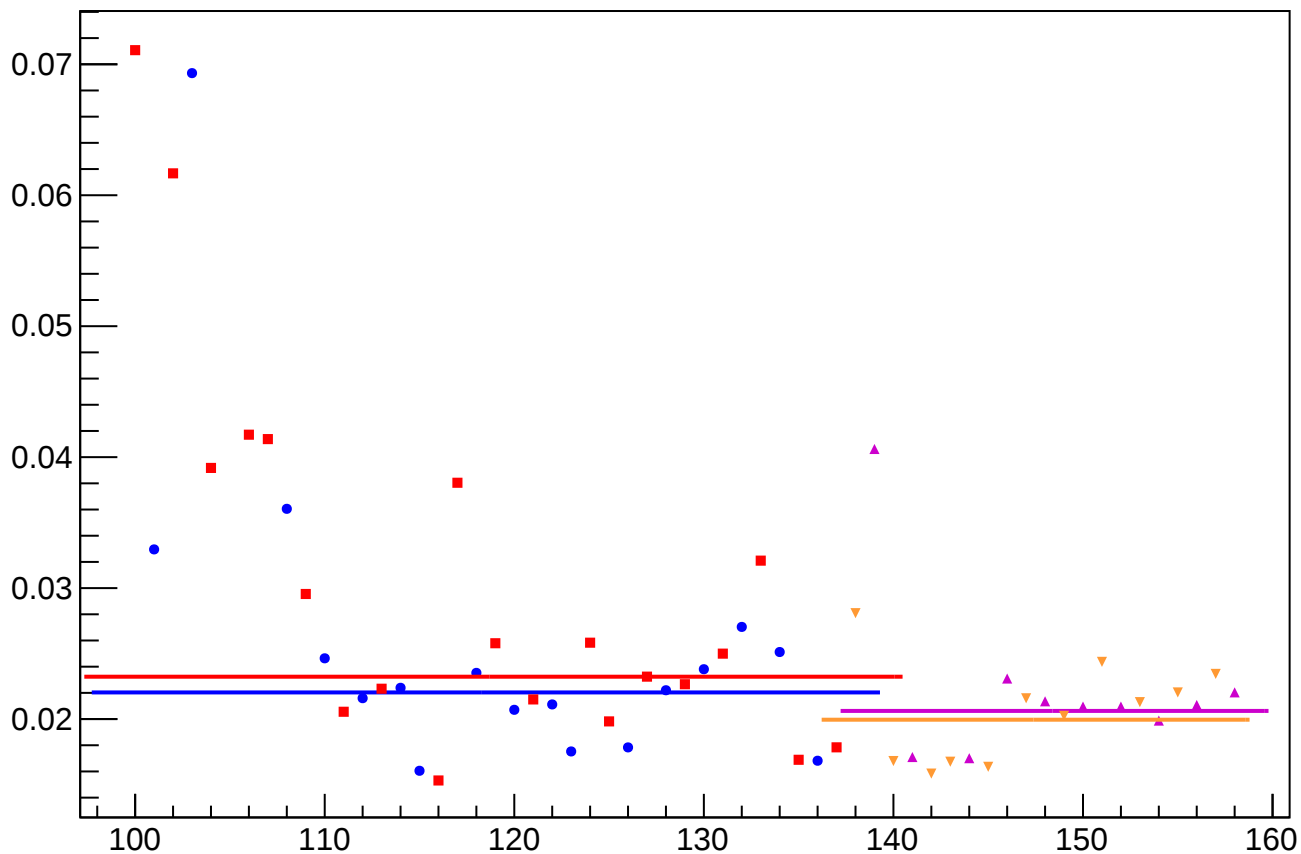
Right Out: -0.559+/-0.000 χ^2/NDF : 65741796.4/19

Left In: -0.468+/-0.000 χ^2/NDF : 66038802.5/9

-0.512+/-0.000 χ^2/NDF : 155861388.1/27

-0.504+/-0.000 χ^2/NDF : 181356073.6/29

yield_bpm4aX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 958966.6/16

Left Out: 0.020+/-0.000 χ^2/NDF : 359397.9/10

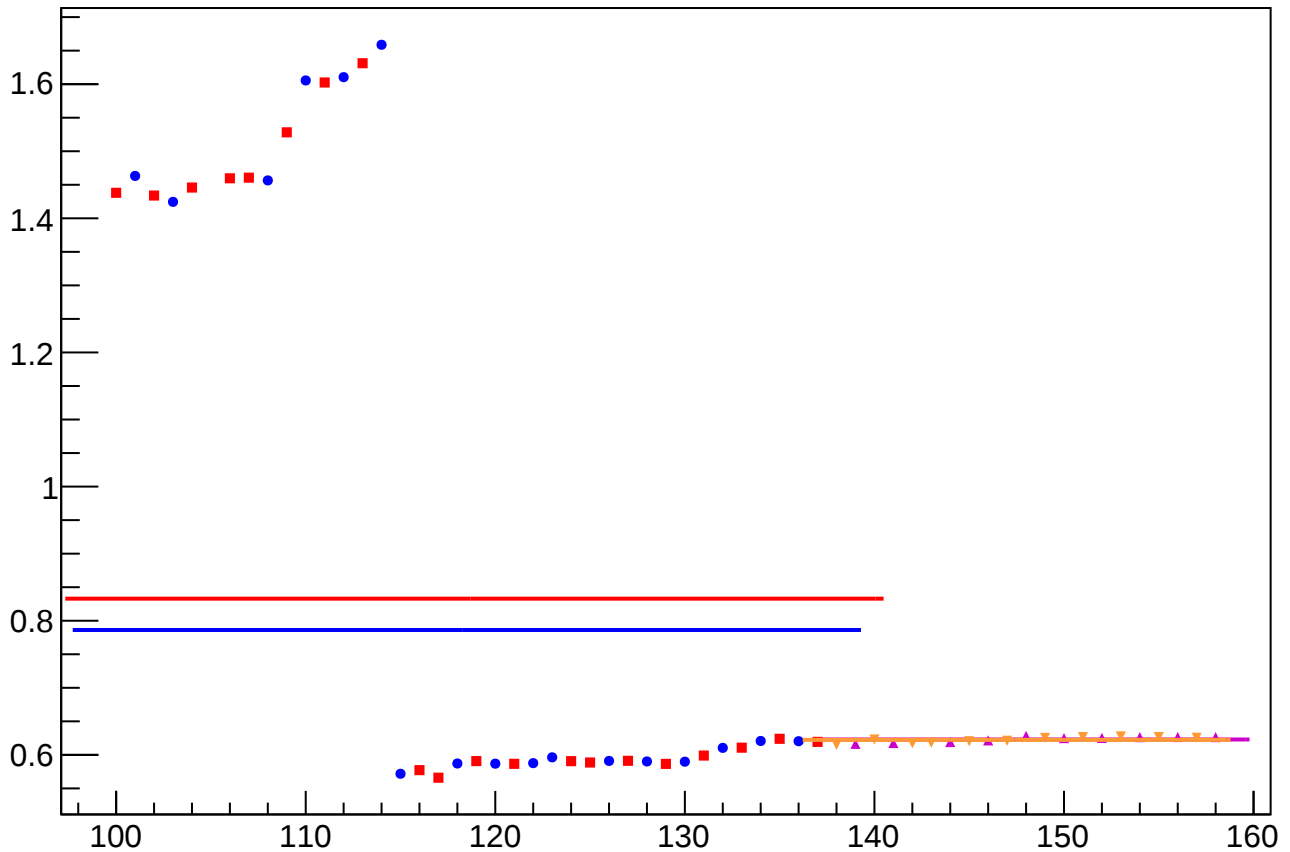
Right Out: 0.023+/-0.000 χ^2/NDF : 1169205.3/19

Left In: 0.021+/-0.000 χ^2/NDF : 458367.0/9

0.021+/-0.000 χ^2/NDF : 1372873.8/27

0.022+/-0.000 χ^2/NDF : 1709242.6/29

yield_bpm4aY_mean vs Slug



Right In: 0.786+/-0.000 χ^2/NDF : 3590113316.1/16

Left Out: 0.622+/-0.000 χ^2/NDF : 813433.3/10

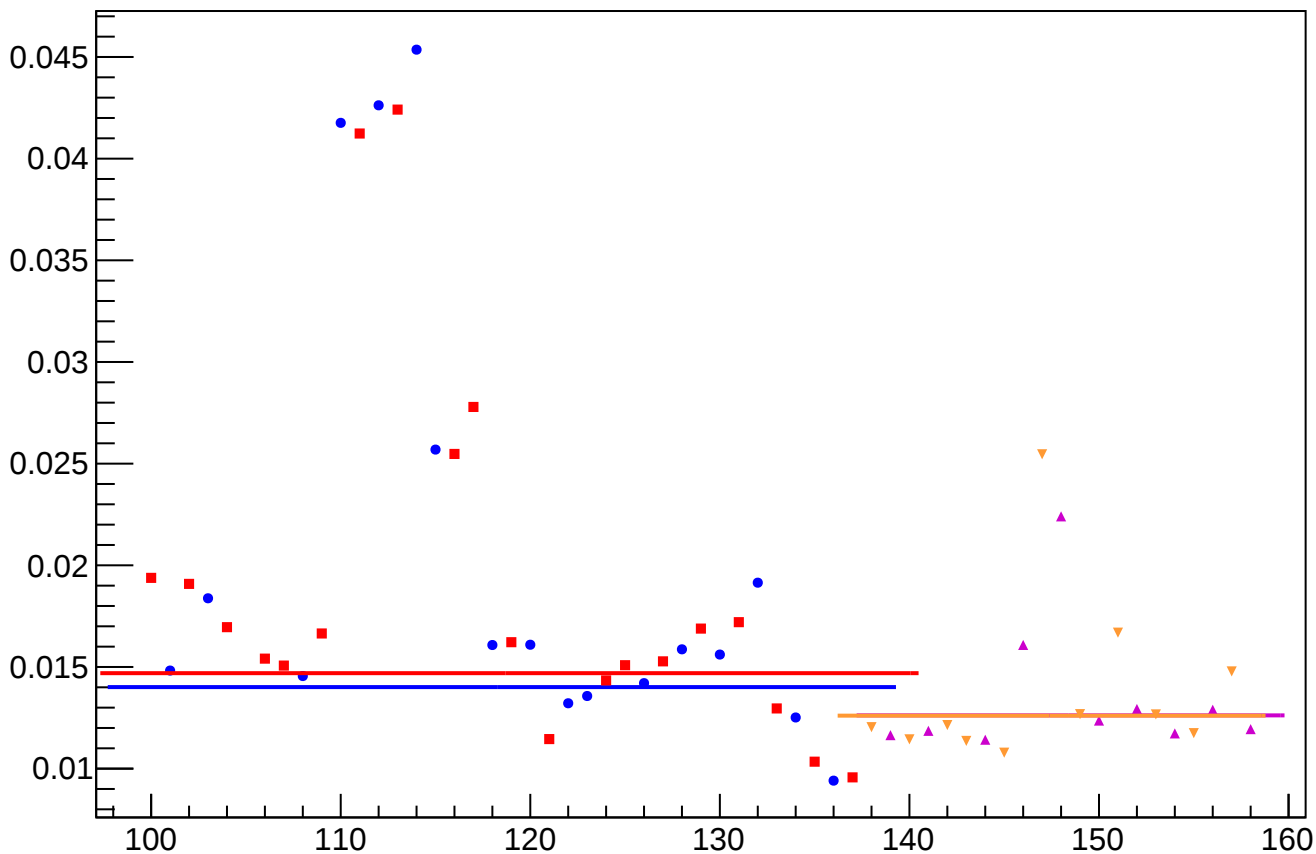
0.685+/-0.000 χ^2/NDF : 4072581626.4/27

Right Out: 0.833+/-0.000 χ^2/NDF : 4160348649.7/19

0.700+/-0.000 χ^2/NDF : 4942080363.5/29

Left In: 0.623+/-0.000 χ^2/NDF : 773576.2/9

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1404865.3/16

Left Out: 0.013+/-0.000 χ^2/NDF : 582543.4/10

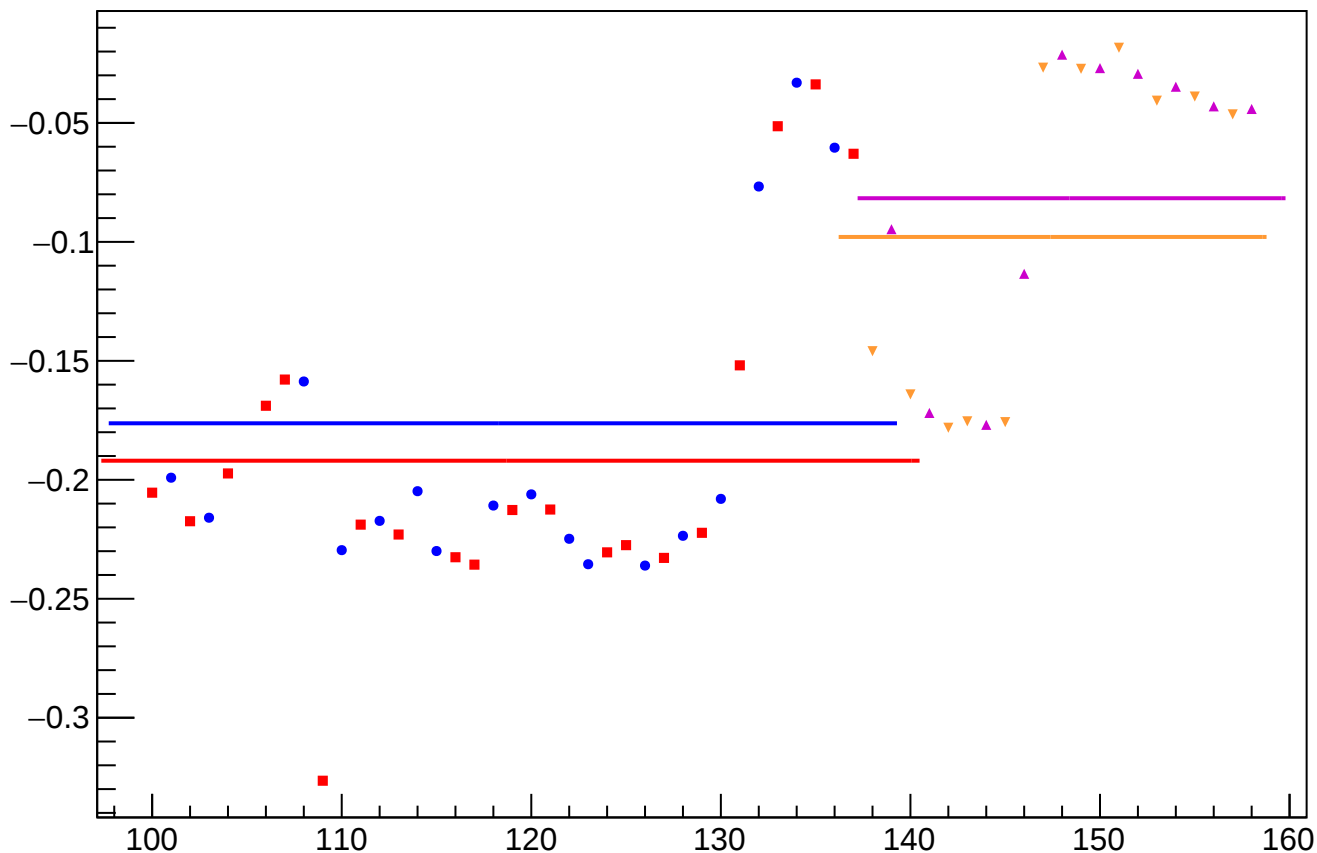
0.013+/-0.000 χ^2/NDF : 2058275.9/27

Right Out: 0.015+/-0.000 χ^2/NDF : 1280473.4/19

0.013+/-0.000 χ^2/NDF : 1841786.7/29

Left In: 0.013+/-0.000 χ^2/NDF : 408706.2/9

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.098+/-0.000 χ^2/NDF : 81697352.0/10

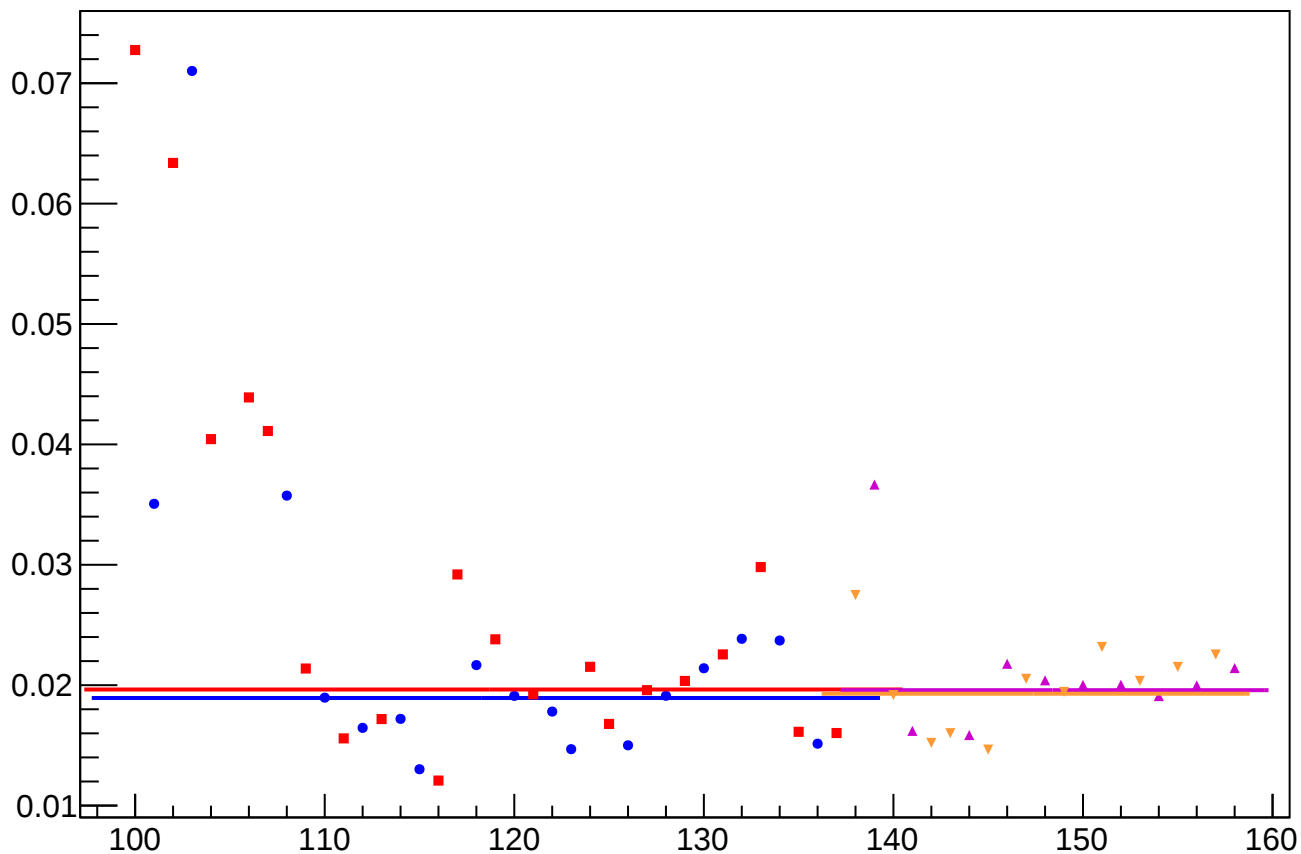
Right Out: -0.192+/-0.000 χ^2/NDF : 83899255.4/19

Left In: -0.082+/-0.000 χ^2/NDF : 67062946.5/9

-0.133+/-0.000 χ^2/NDF : 198799843.1/27

-0.131+/-0.000 χ^2/NDF : 242172250.8/29

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.019+/-0.000 χ^2/NDF : 387743.7/10

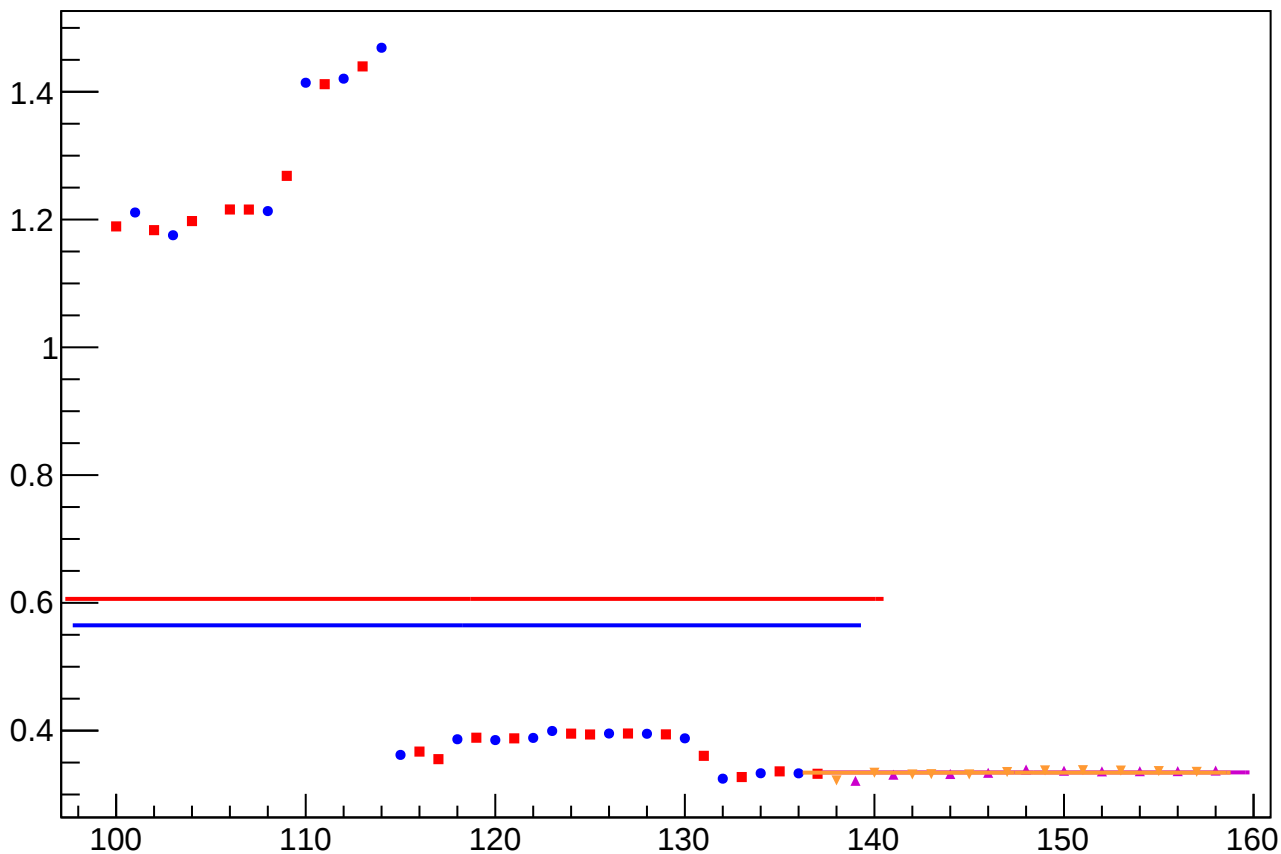
Right Out: 0.020+/-0.000 χ^2/NDF : 1466285.9/19

Left In: 0.020+/-0.000 χ^2/NDF : 442482.2/9

0.019+/-0.000 χ^2/NDF : 1595532.2/27

0.020+/-0.000 χ^2/NDF : 1908817.2/29

yield_bpm4eY_mean vs Slug



Right In: 0.565+/-0.000 χ^2/NDF : 5030969499.3/16

Left Out: 0.334+/-0.000 χ^2/NDF :968504.1/10

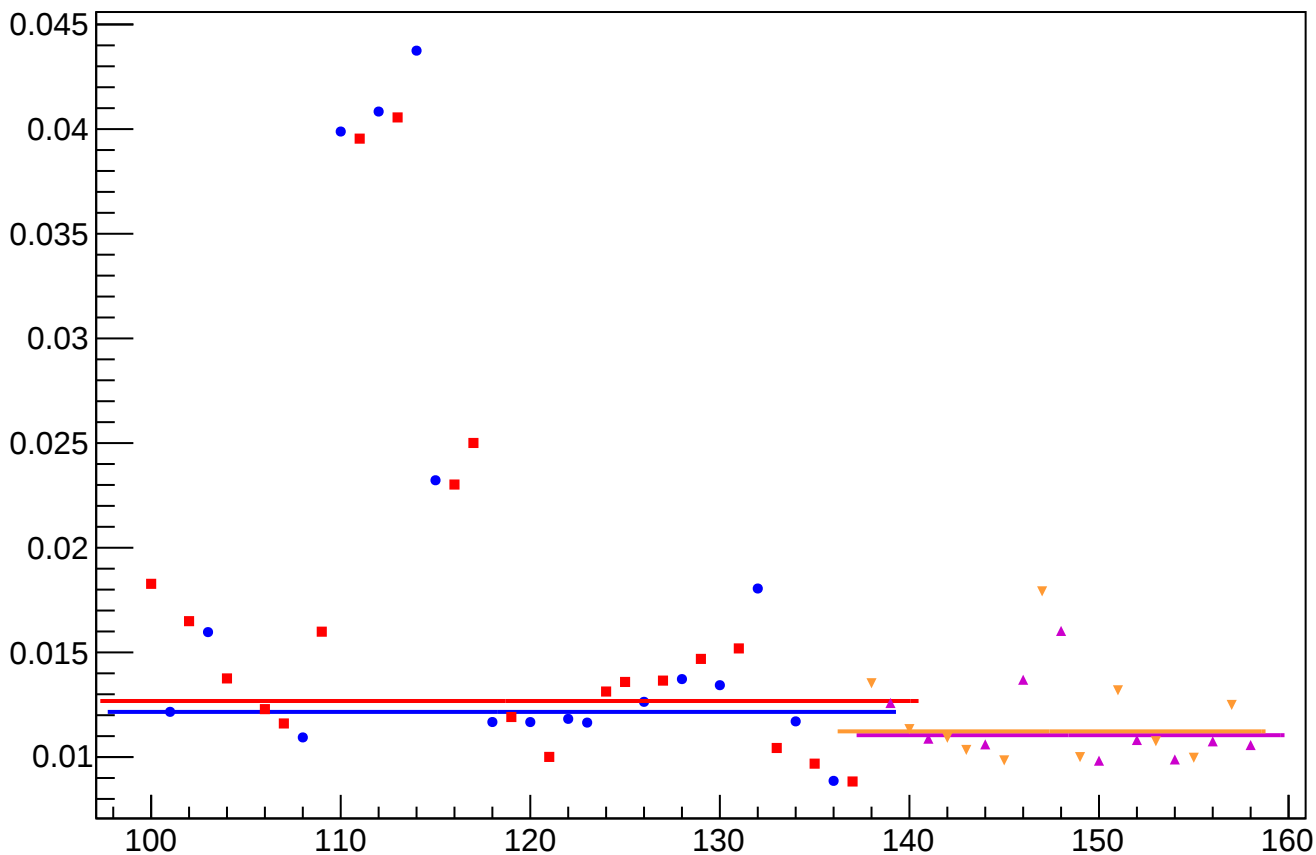
Right Out: 0.606+/-0.000 χ^2/NDF : 5517630064.2/19

Left In: 0.335+/-0.000 χ^2/NDF :1111367.7/9

0.424+/-0.000 χ^2/NDF : 6276341463.4/27

0.434+/-0.000 χ^2/NDF : 7236752802.1/29

yield_bpm4eY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1309888.8/16

Left Out: 0.011+/-0.000 χ^2/NDF : 387317.0/10

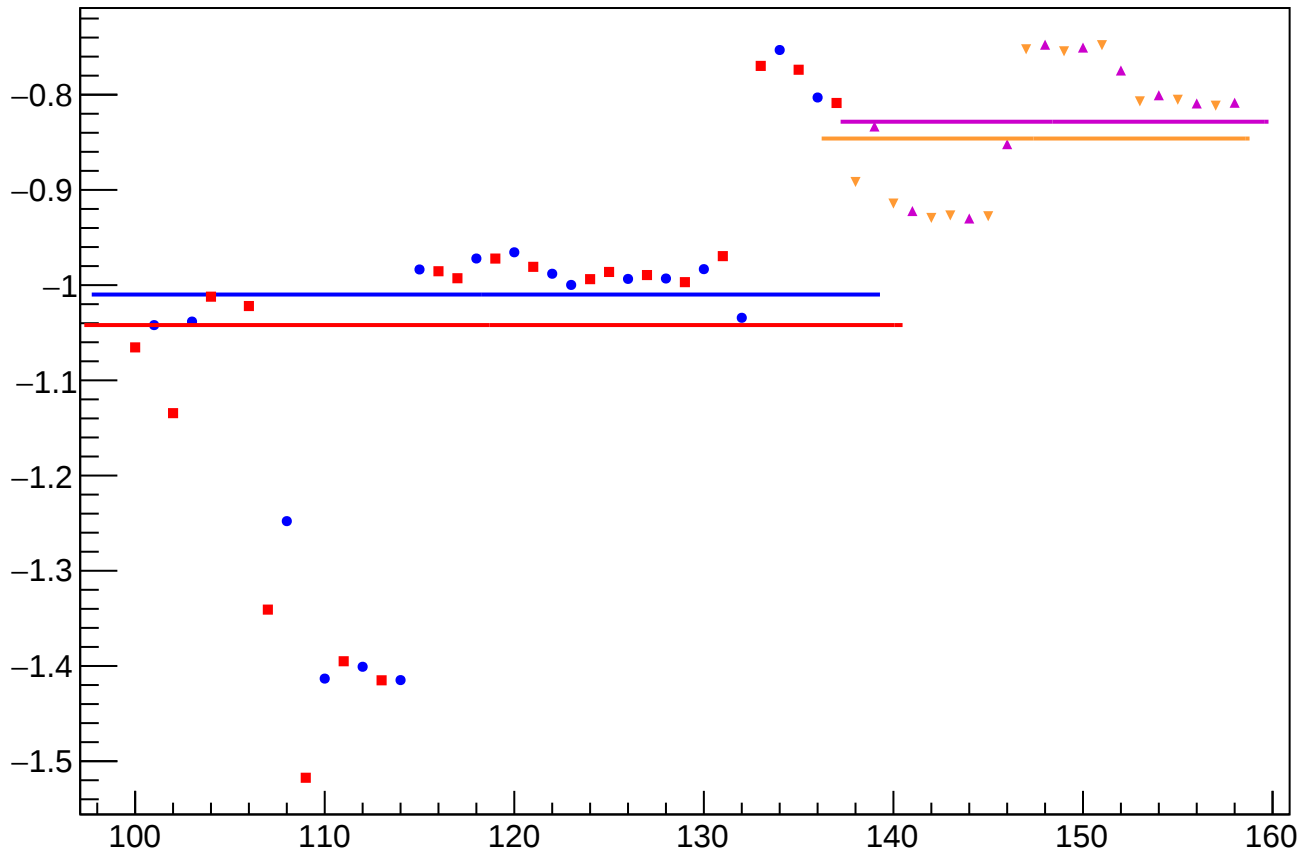
Right Out: 0.013+/-0.000 χ^2/NDF : 1289415.7/19

Left In: 0.011+/-0.000 χ^2/NDF : 281640.3/9

0.012+/-0.000 χ^2/NDF : 1737646.3/27

0.012+/-0.000 χ^2/NDF : 1695306.4/29

yield_bpm4acX_mean vs Slug



Right In: -1.010+/-0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.846+/-0.000 χ^2/NDF : 89613842.7/10

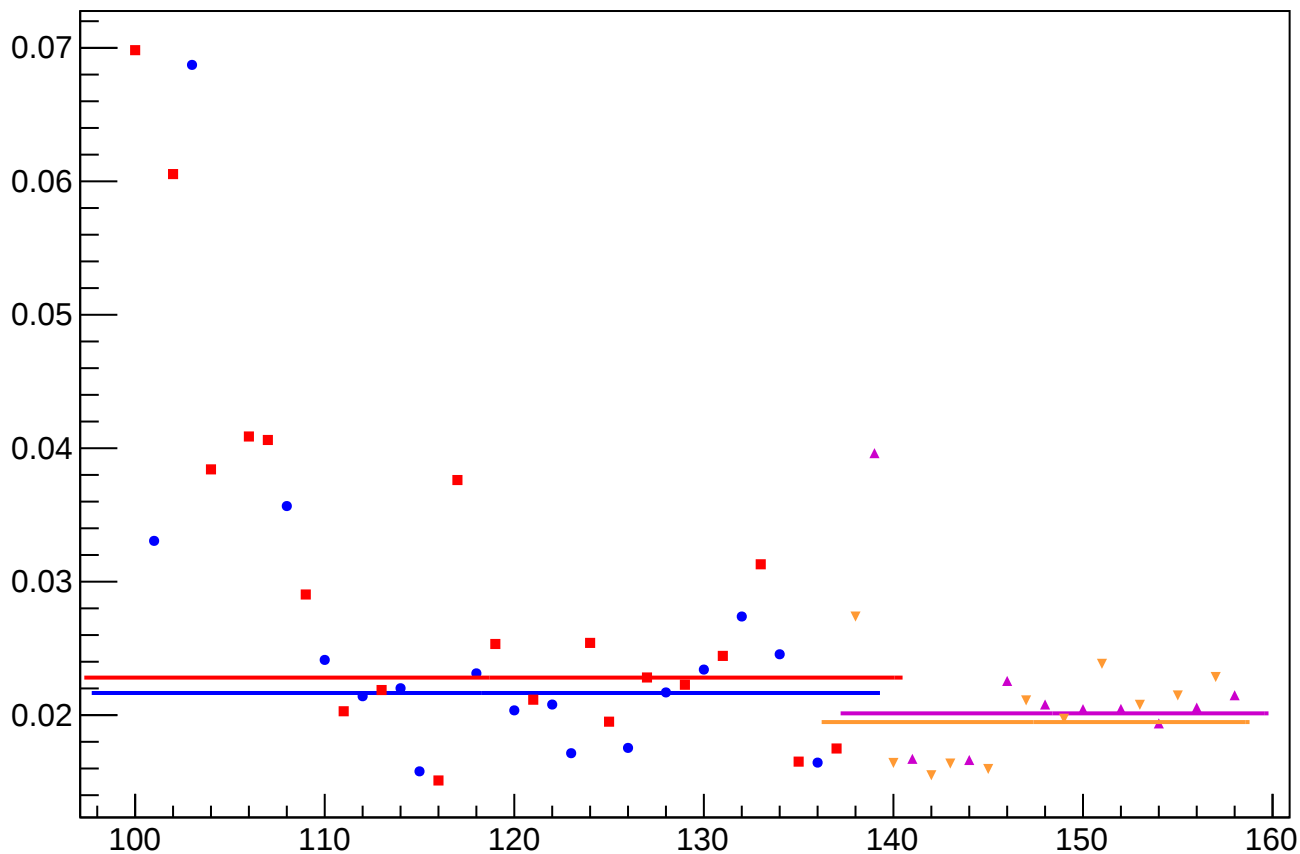
Right Out: -1.042+/-0.000 χ^2/NDF : 530175104.2/19

Left In: -0.828+/-0.000 χ^2/NDF : 69852034.9/9

-0.911+/-0.000 χ^2/NDF : 652632229.5/27

-0.913+/-0.000 χ^2/NDF : 883963043.1/29

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 $\chi^2/\text{NDF}: 983499.8/16$

Left Out: 0.019 ± 0.000 $\chi^2/\text{NDF}: 357325.1/10$

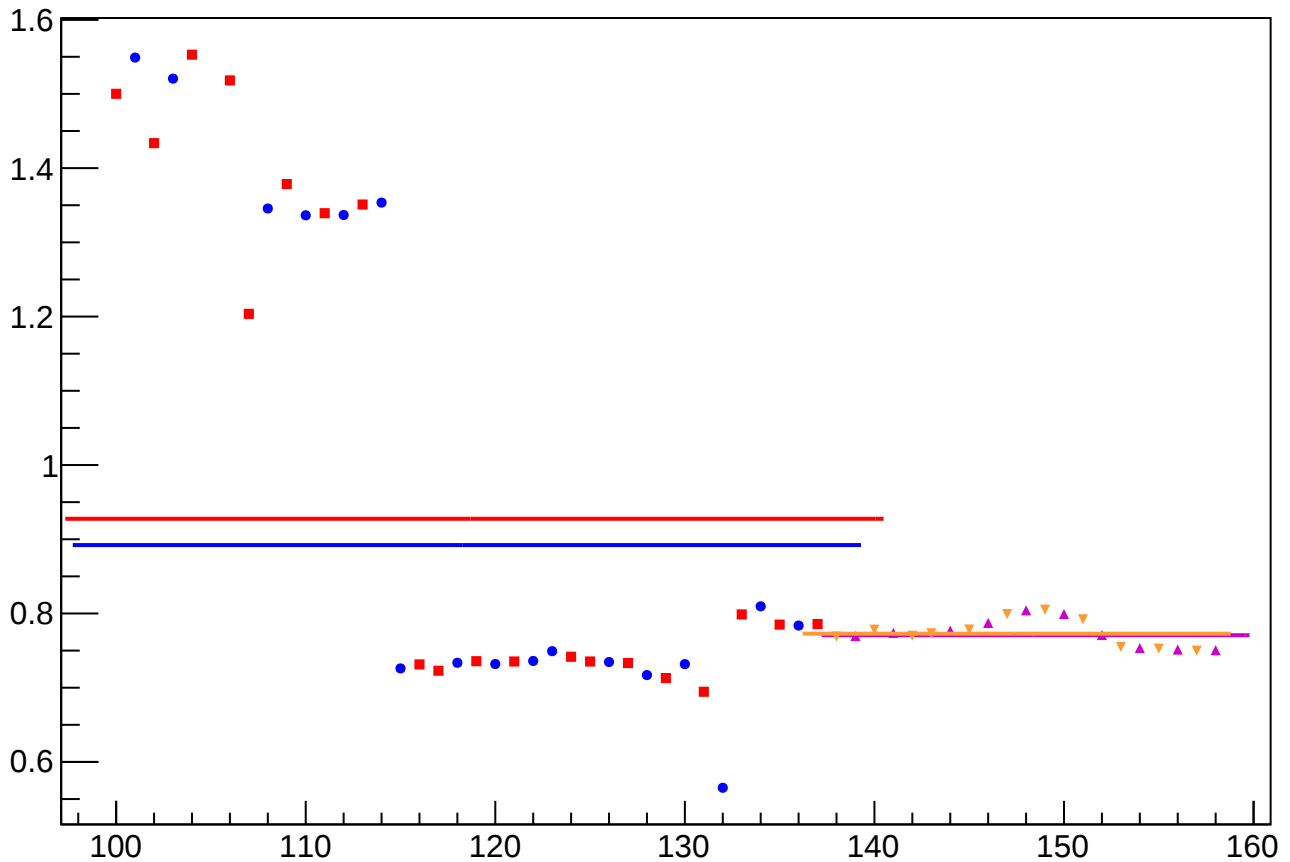
Right Out: 0.023 ± 0.000 $\chi^2/\text{NDF}: 1165116.5/19$

Left In: 0.020 ± 0.000 $\chi^2/\text{NDF}: 455753.5/9$

0.020 ± 0.000 $\chi^2/\text{NDF}: 1402831.4/27$

0.021 ± 0.000 $\chi^2/\text{NDF}: 1710261.0/29$

yield_bpm4acY_mean vs Slug



Right In: 0.892+/-0.000 χ^2/NDF : 2413732173.6/16

Left Out: 0.773+/-0.000 χ^2/NDF :12961255.0/10

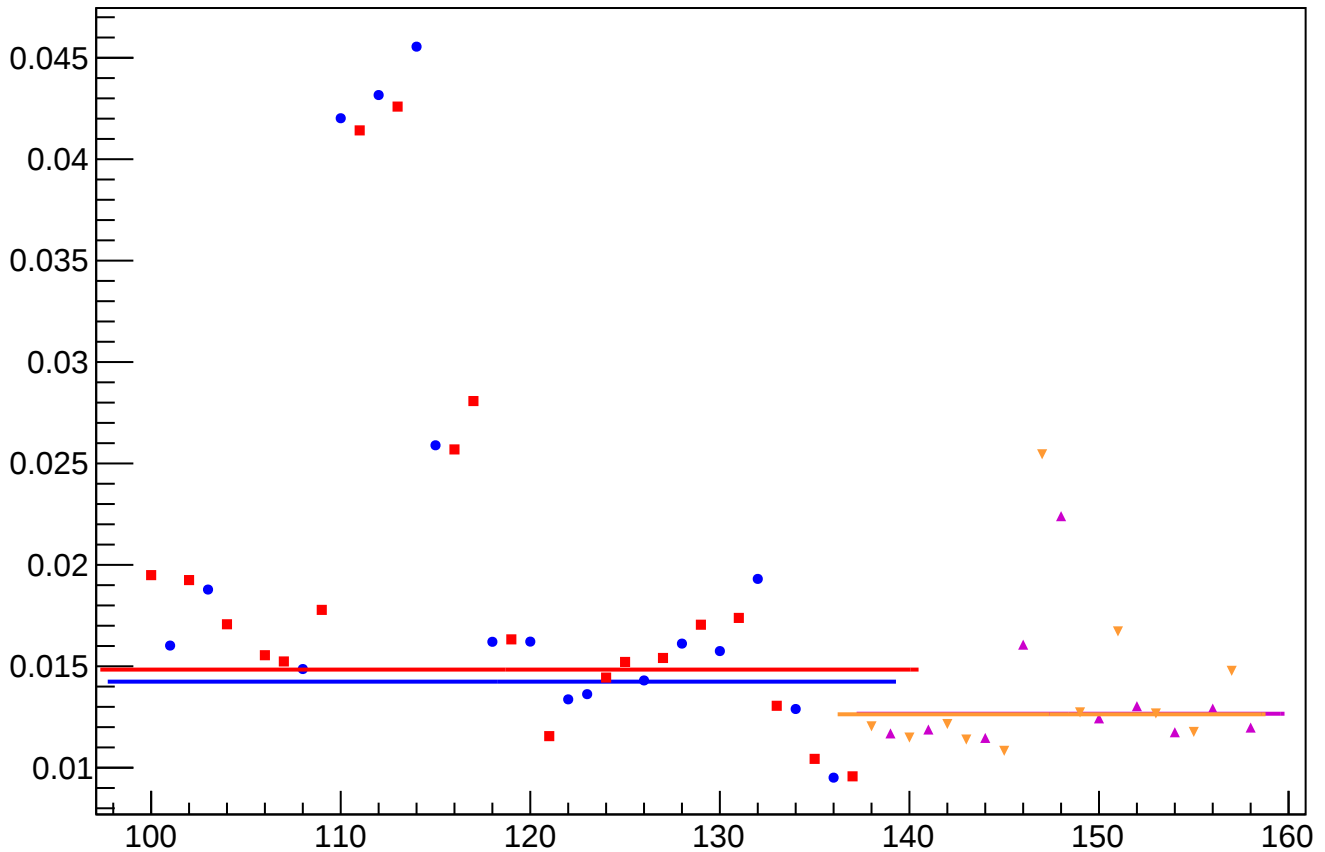
0.817+/-0.000 χ^2/NDF : 2676136830.5/27

Right Out: 0.928+/-0.000 χ^2/NDF : 2439574936.7/19

0.828+/-0.000 χ^2/NDF : 2881033056.7/29

Left In: 0.771+/-0.000 χ^2/NDF :13150018.2/9

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1415681.3/16

Left Out: 0.013+/-0.000 χ^2/NDF : 578000.4/10

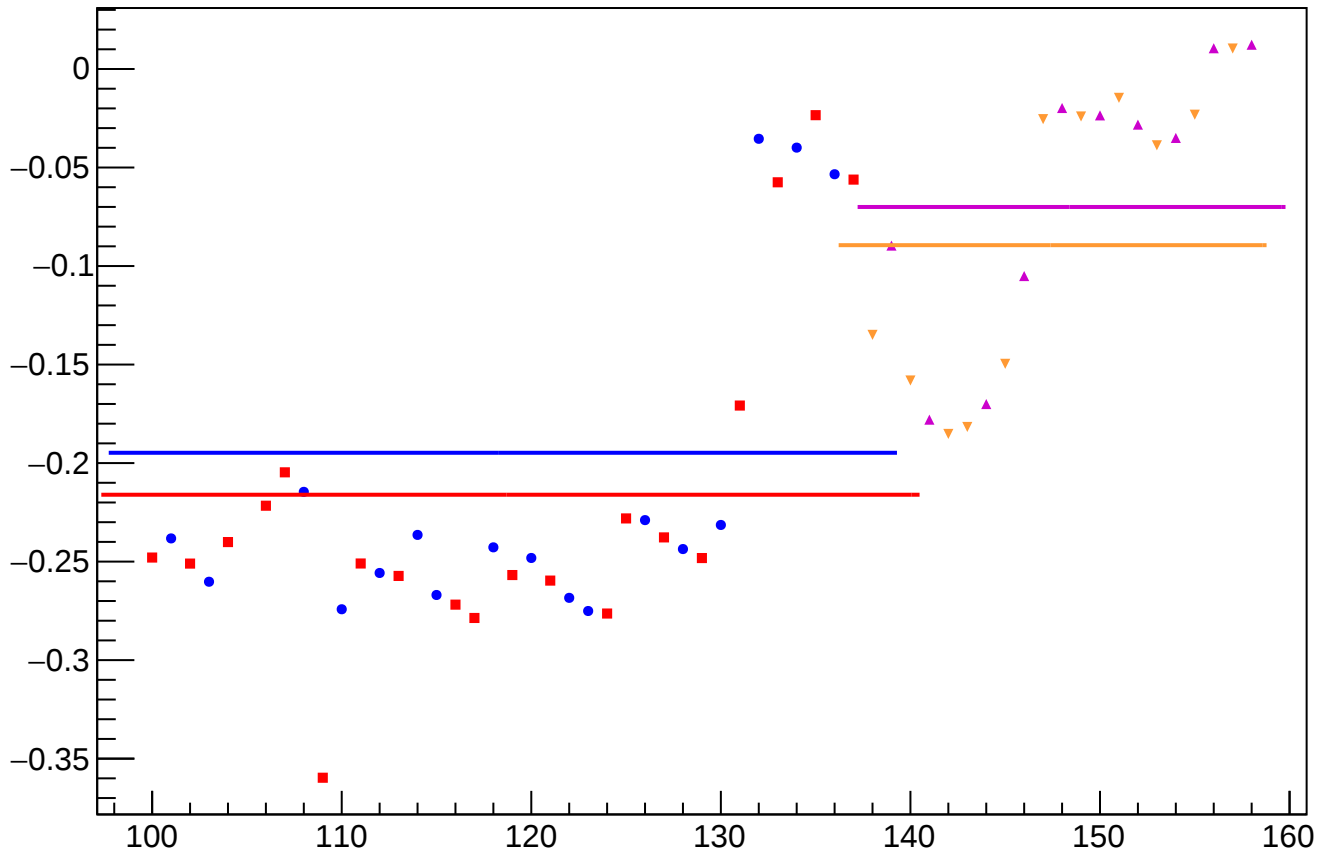
0.013+/-0.000 χ^2/NDF : 2084389.5/27

Right Out: 0.015+/-0.000 χ^2/NDF : 1291174.0/19

0.013+/-0.000 χ^2/NDF : 1860616.6/29

Left In: 0.013+/-0.000 χ^2/NDF : 404518.7/9

yield_bpm4ecX_mean vs Slug



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.089+/-0.000 χ^2/NDF : 90079912.9/10

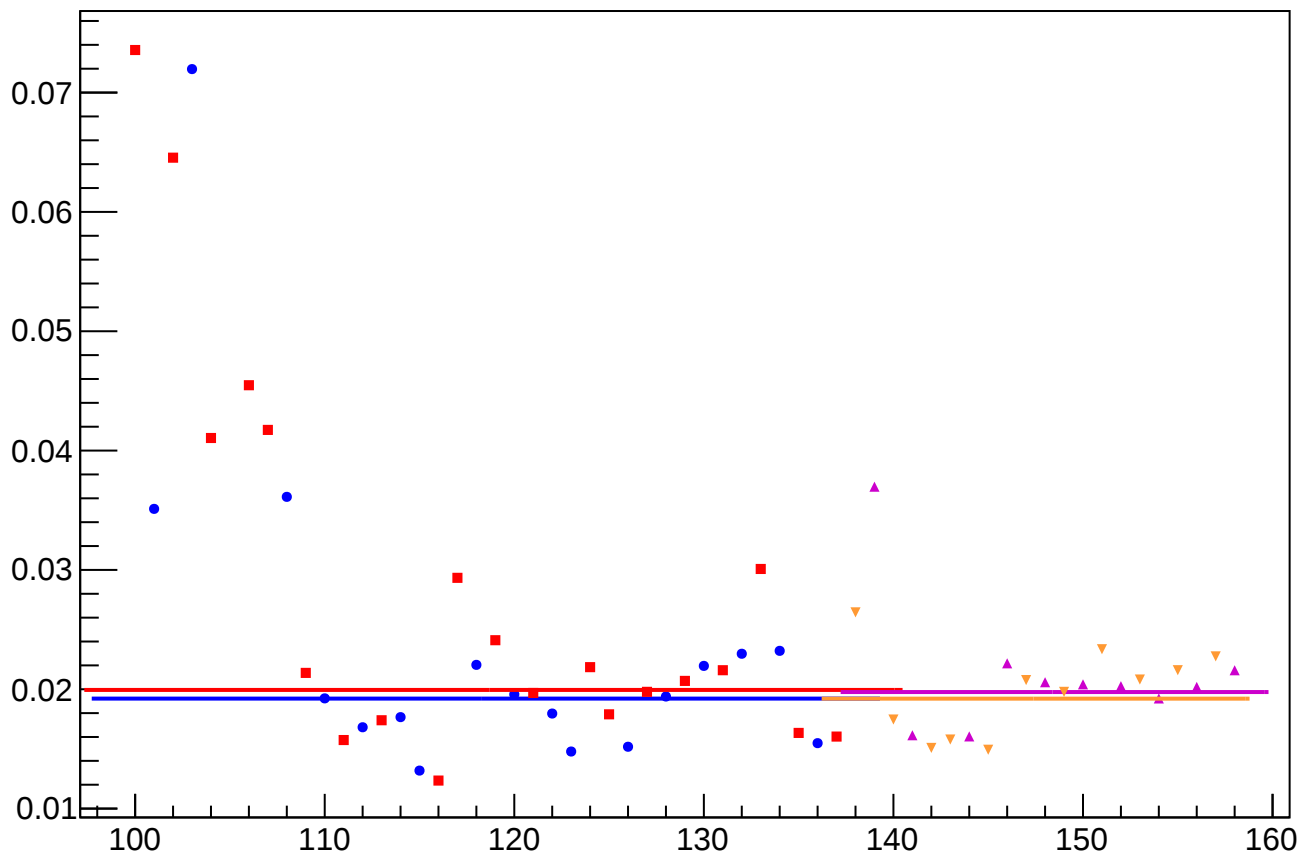
Right Out: -0.216+/-0.000 χ^2/NDF : 112167032.2/19

Left In: -0.070+/-0.000 χ^2/NDF : 86035390.9/9

-0.136+/-0.000 χ^2/NDF : 282435089.6/27

-0.135+/-0.000 χ^2/NDF : 353913835.5/29

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 : 384760.5/10

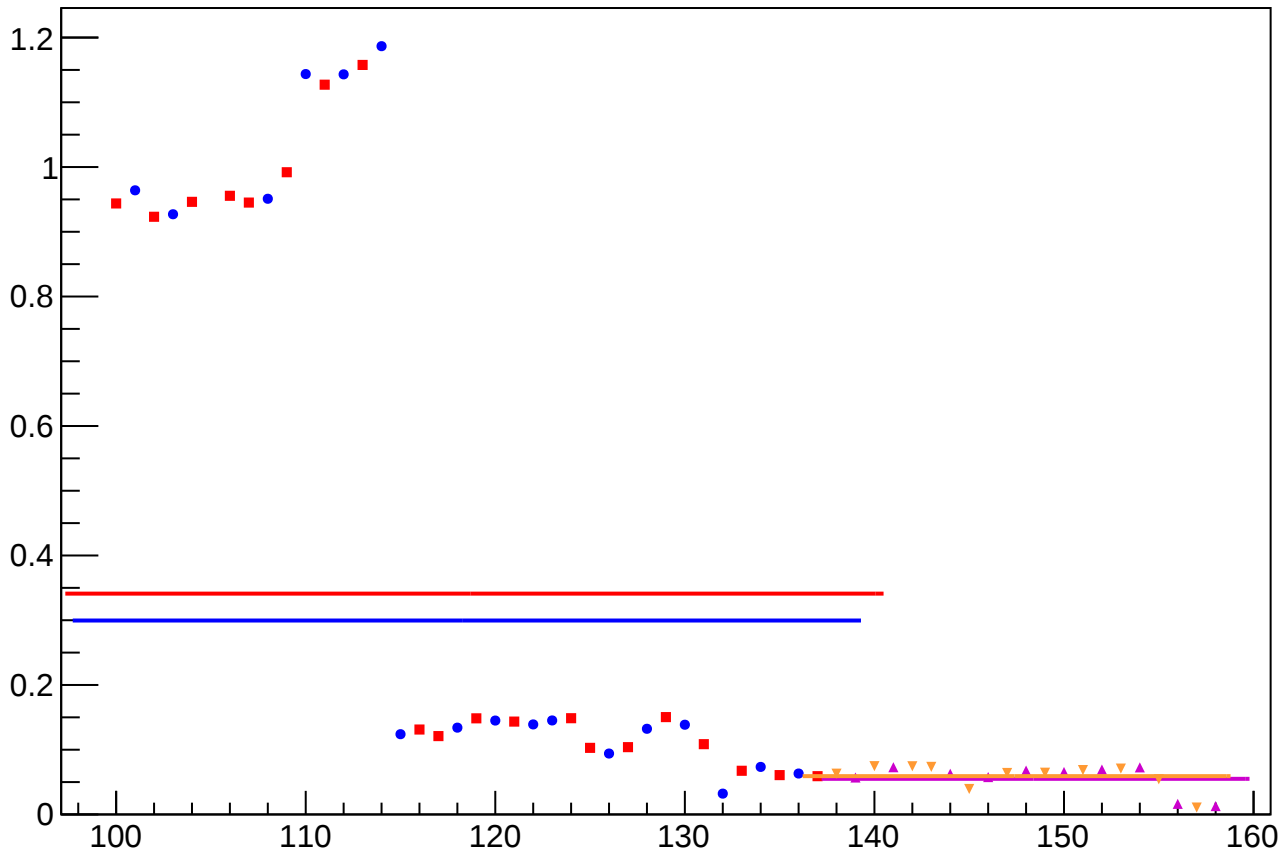
Right Out: 0.020+/-0.000 χ^2/NDF : 1455211.7/19

Left In: 0.020+/-0.000 χ^2/NDF : 450502.0/9

0.019+/-0.000 χ^2/NDF : 1561846.2/27

0.020+/-0.000 χ^2/NDF : 1906170.3/29

yield_bpm4ecY_mean vs Slug



Right In: 0.300+/-0.000 χ^2/NDF : 5165052137.6/16

Left Out: 0.059+/-0.000 χ^2/NDF : 20165026.6/10

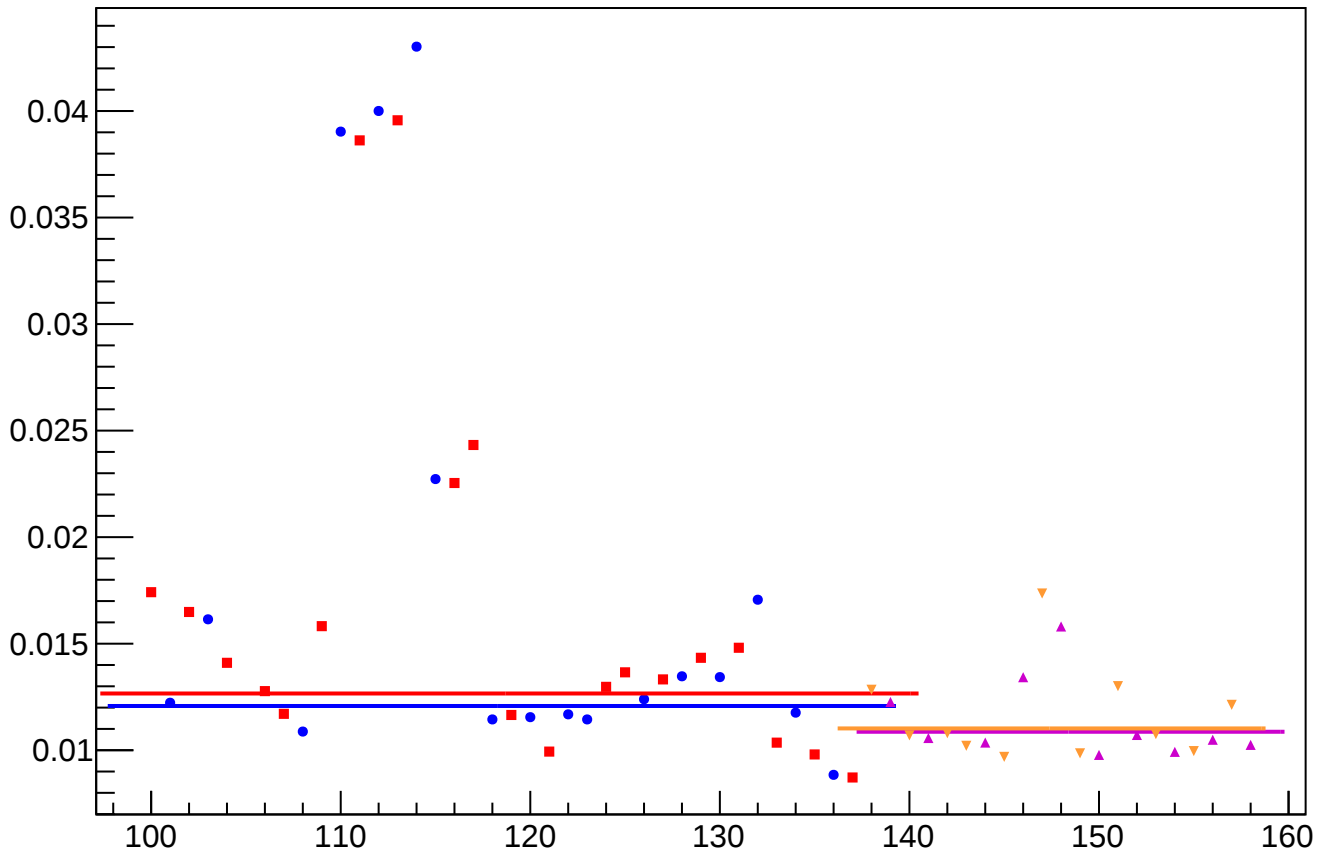
0.151+/-0.000 χ^2/NDF : 6569877941.0/27

Right Out: 0.341+/-0.000 χ^2/NDF : 5453748737.7/19

0.158+/-0.000 χ^2/NDF : 7418874872.1/29

Left In: 0.055+/-0.000 χ^2/NDF : 32440875.8/9

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: 352175.8/10

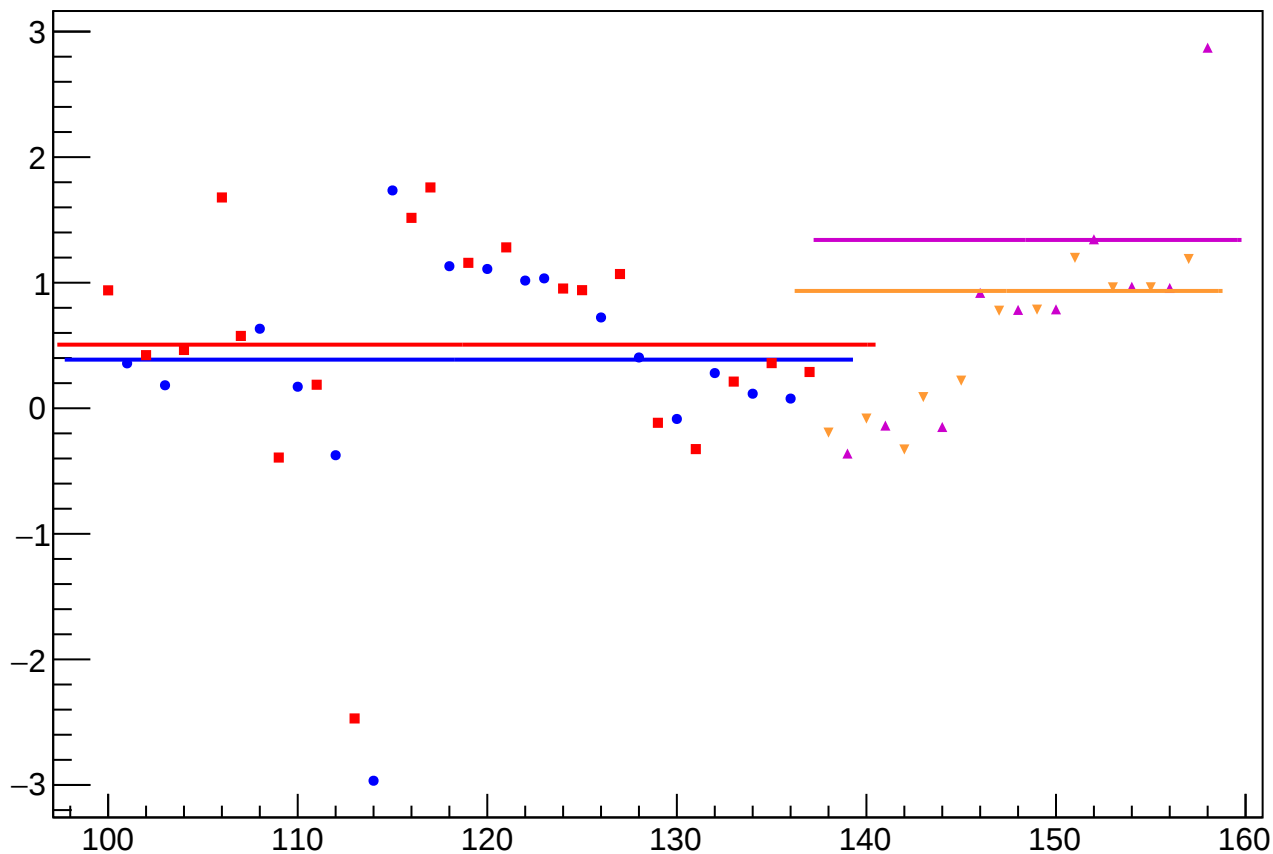
0.011 $\pm$ 0.000 χ^2 /NDF: 1687418.7/27

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1255391.1/19

0.012 $\pm$ 0.000 χ^2 /NDF: 1679359.2/29

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 271616.4/9

yield_bpm1X_mean vs Slug



Right In: 0.387 ± 0.000 χ^2/NDF : 247912593.5/16

Left Out: 0.934 ± 0.000 χ^2/NDF : 862154884.2/10

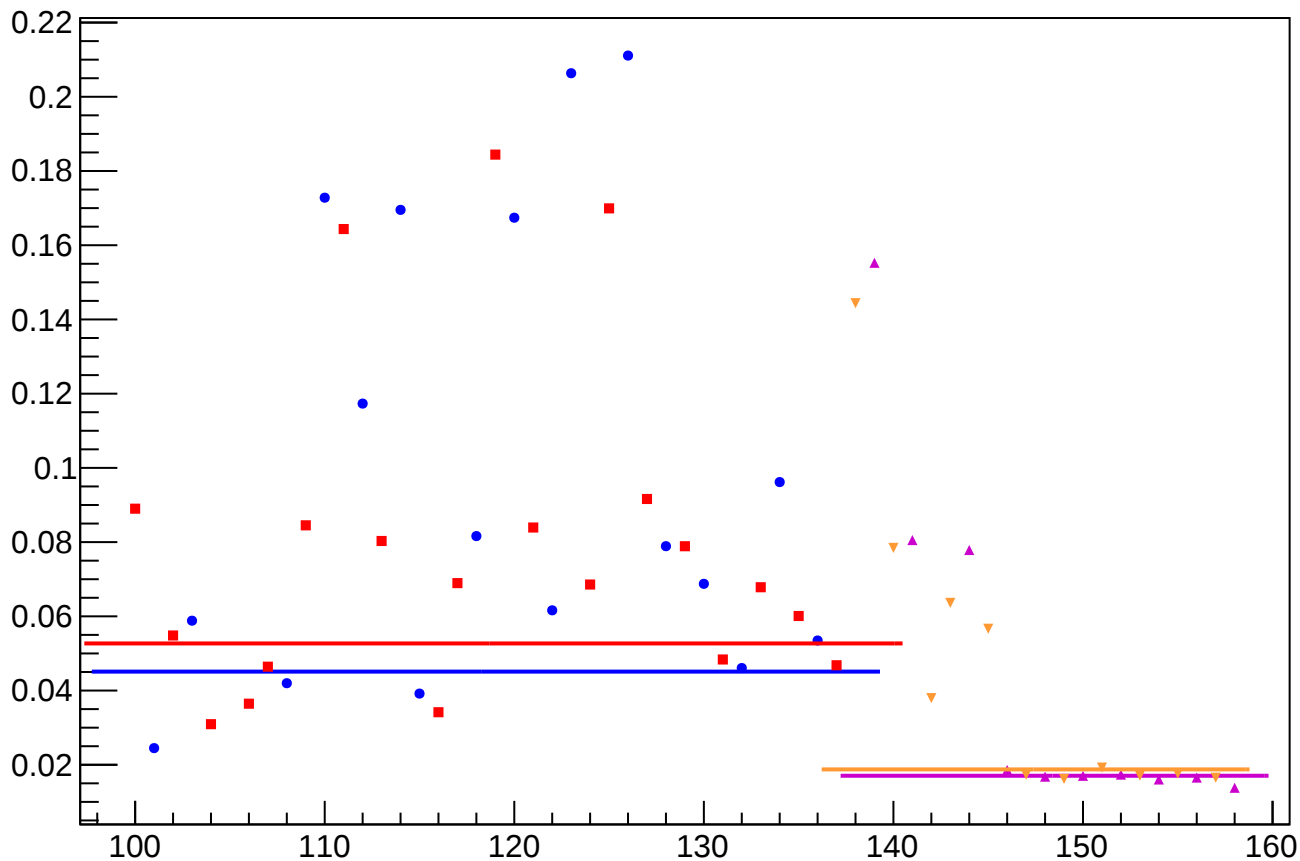
Right Out: 0.507 ± 0.000 χ^2/NDF : 995347030.4/19

Left In: 1.341 ± 0.000 χ^2/NDF : 11970455033.0/9

0.875 ± 0.000 χ^2/NDF : 1576896985.8/27

1.278 ± 0.000 χ^2/NDF : 13930842697.1/29

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2846218.9/16

Left Out: 0.019+/-0.000 χ^2/NDF : 2558309.5/10

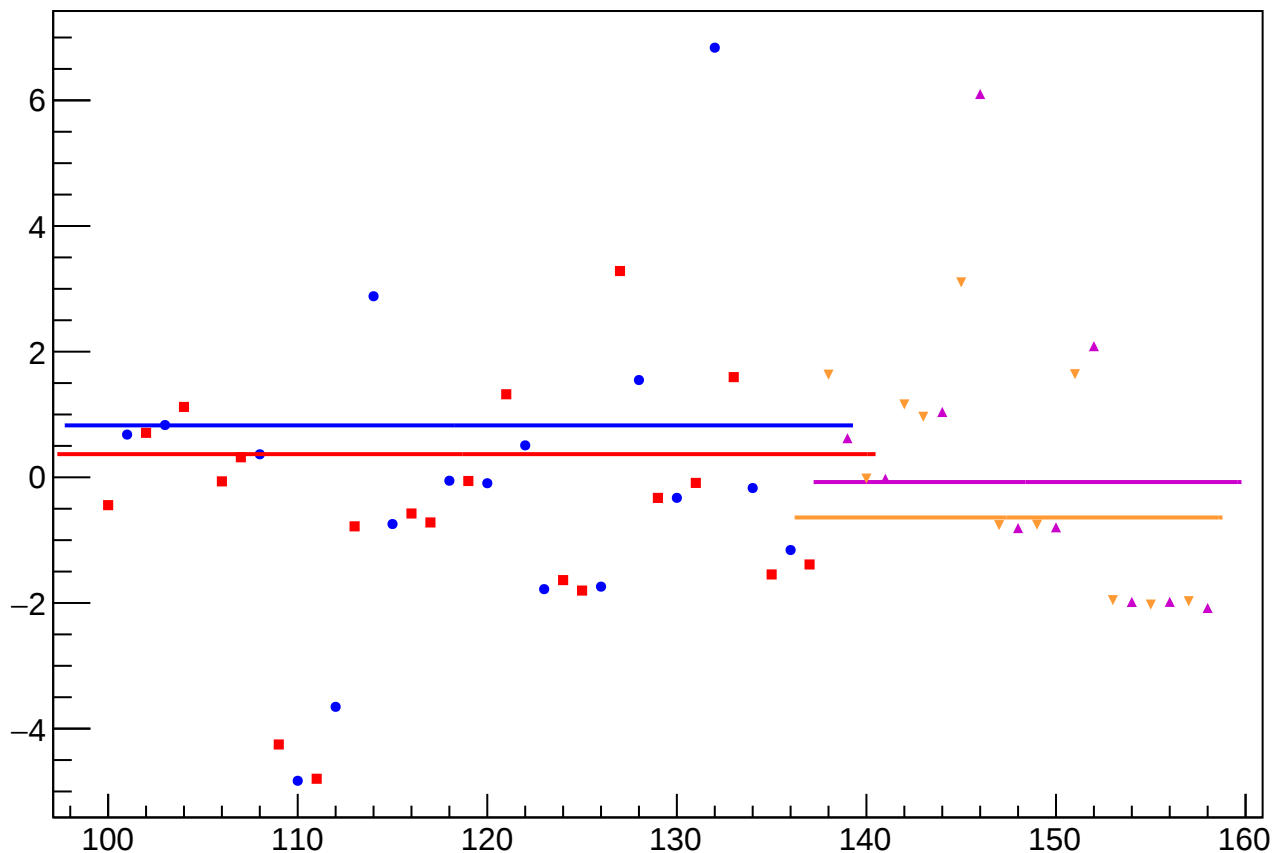
Right Out: 0.053+/-0.000 χ^2/NDF : 2194555.4/19

Left In: 0.017+/-0.000 χ^2/NDF : 2281246.0/9

0.022+/-0.000 χ^2/NDF : 7570804.8/27

0.020+/-0.000 χ^2/NDF : 8003968.3/29

yield_bpm1Y_mean vs Slug



Right In: 0.827 ± 0.000 χ^2/NDF : 10936458870.4/16

Left Out: -0.639 ± 0.000 χ^2/NDF : 70913336144.2/10

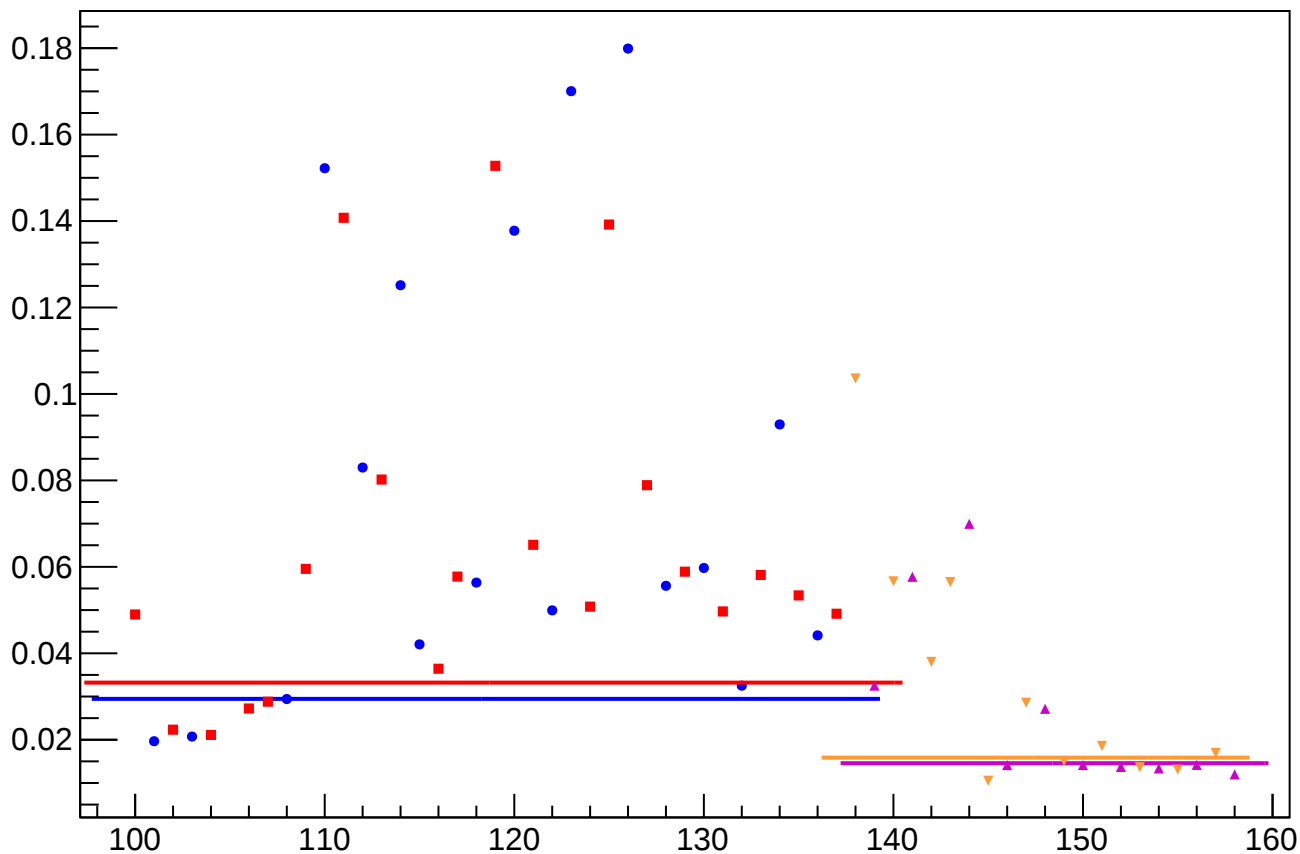
Right Out: 0.369 ± 0.000 χ^2/NDF : 4985860510.0/19

Left In: -0.075 ± 0.000 χ^2/NDF : 207585826188.8/9

-0.408 ± 0.000 χ^2/NDF : 88971092493.6/27

-0.025 ± 0.000 χ^2/NDF : 213185263258.4/29

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.016+/-0.000 χ^2/NDF :2525373.2/10

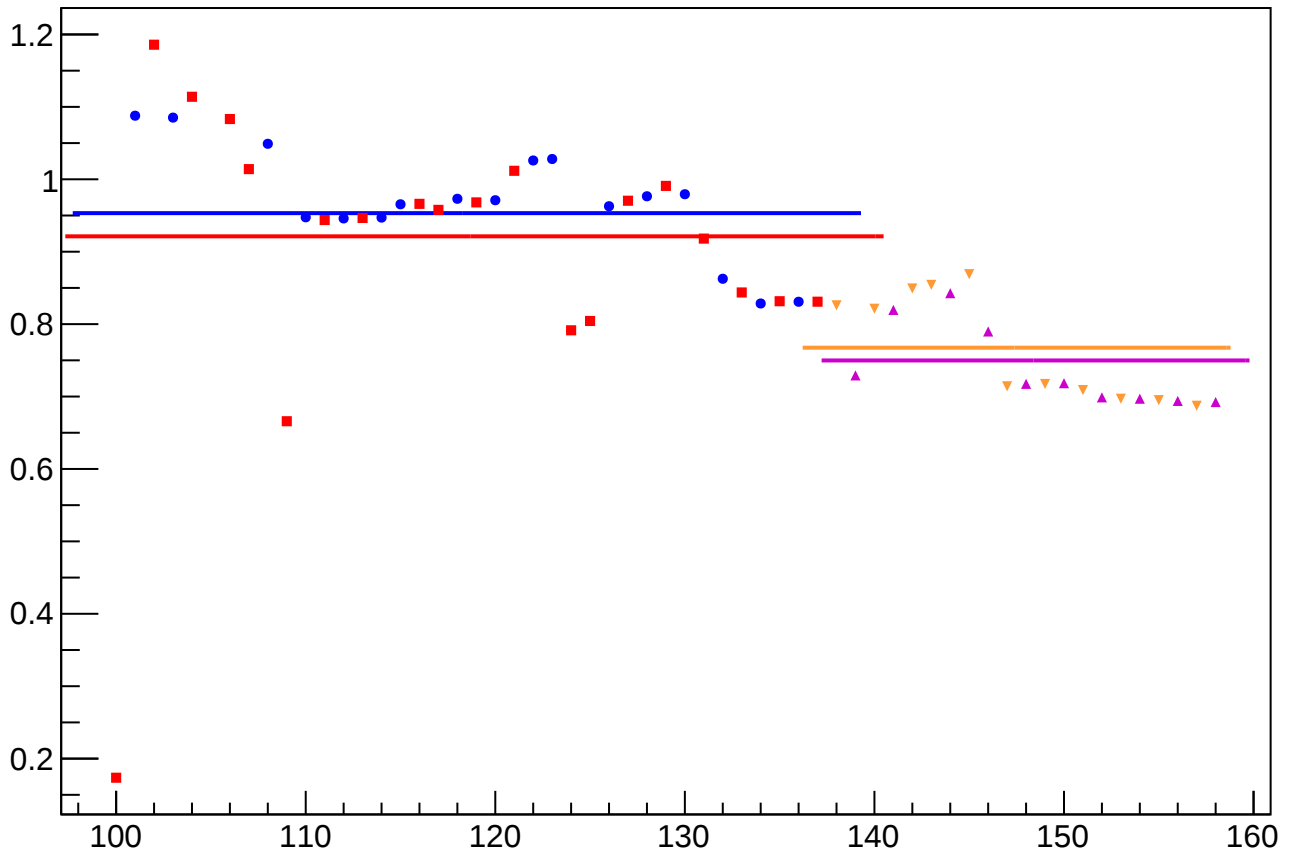
Right Out: 0.033+/-0.000 χ^2/NDF : 3110014.7/19

Left In: 0.015+/-0.000 χ^2/NDF :1753219.4/9

0.018+/-0.000 χ^2/NDF : 6803622.6/27

0.017+/-0.000 χ^2/NDF : 7024696.6/29

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175396553.4/16

Left Out: 0.767 $\pm$ 0.000 χ^2 /NDF: 200308036.7/10

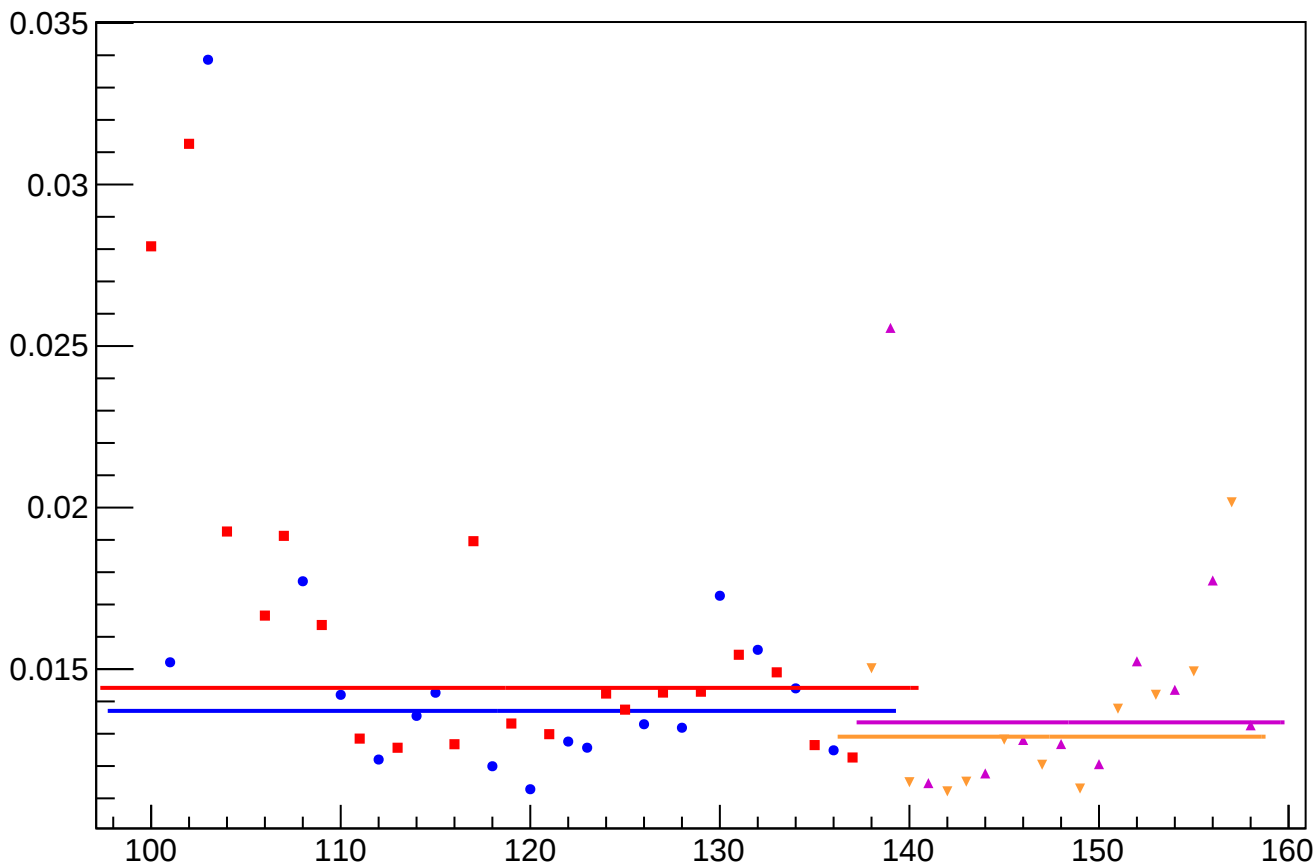
Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374376205.4/19

Left In: 0.750 $\pm$ 0.000 χ^2 /NDF: 130887122.7/9

0.847 $\pm$ 0.000 χ^2 /NDF: 985893706.6/27

0.823 $\pm$ 0.000 χ^2 /NDF: 1001917135.4/29

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 546317.6/16

Left Out: 0.013+/-0.000 χ^2/NDF :311133.3/10

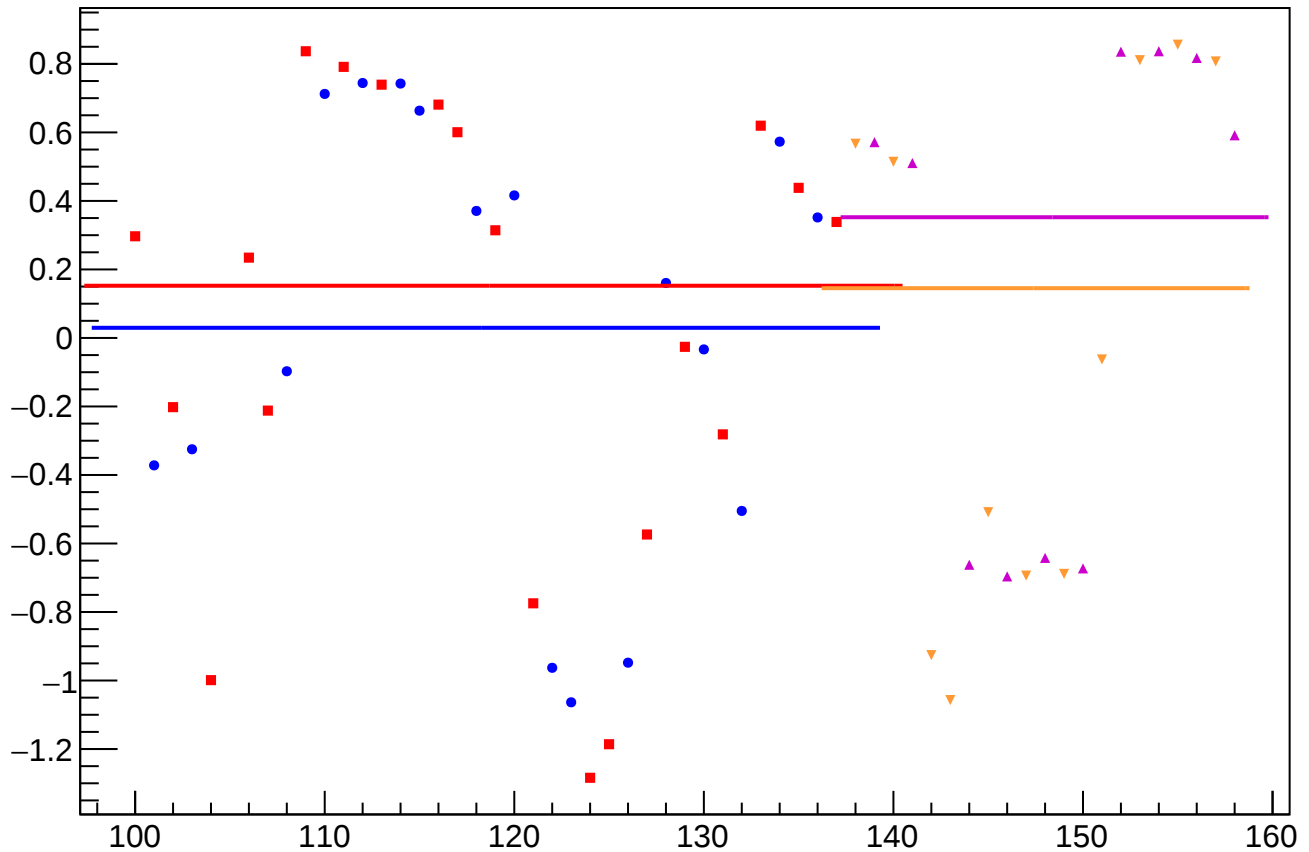
Right Out: 0.014+/-0.000 χ^2/NDF : 506553.4/19

Left In: 0.013+/-0.000 χ^2/NDF :504145.8/9

0.013+/-0.000 χ^2/NDF : 879979.9/27

0.014+/-0.000 χ^2/NDF : 1049223.5/29

yield_bpm11Y_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 6294824795.0/16

Left Out: 0.145+/-0.000 χ^2/NDF :22389861004.5/10

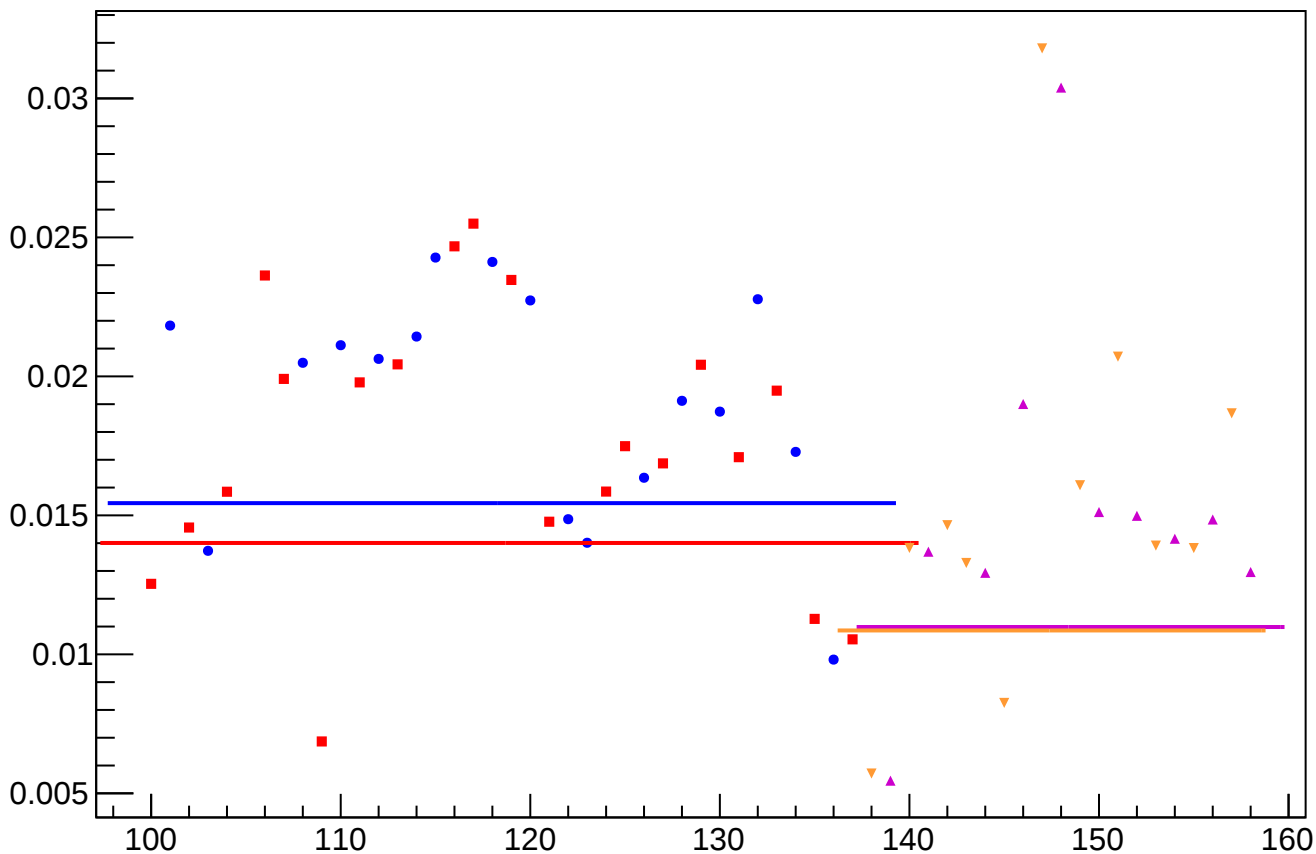
0.109+/-0.000 χ^2/NDF : 28902288539.5/27

Right Out: 0.152+/-0.000 χ^2/NDF : 12673501089.9/19

0.282+/-0.000 χ^2/NDF : 29278032117.4/29

Left In: 0.352+/-0.000 χ^2/NDF :15862429313.0/9

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 : 2778546.1/10

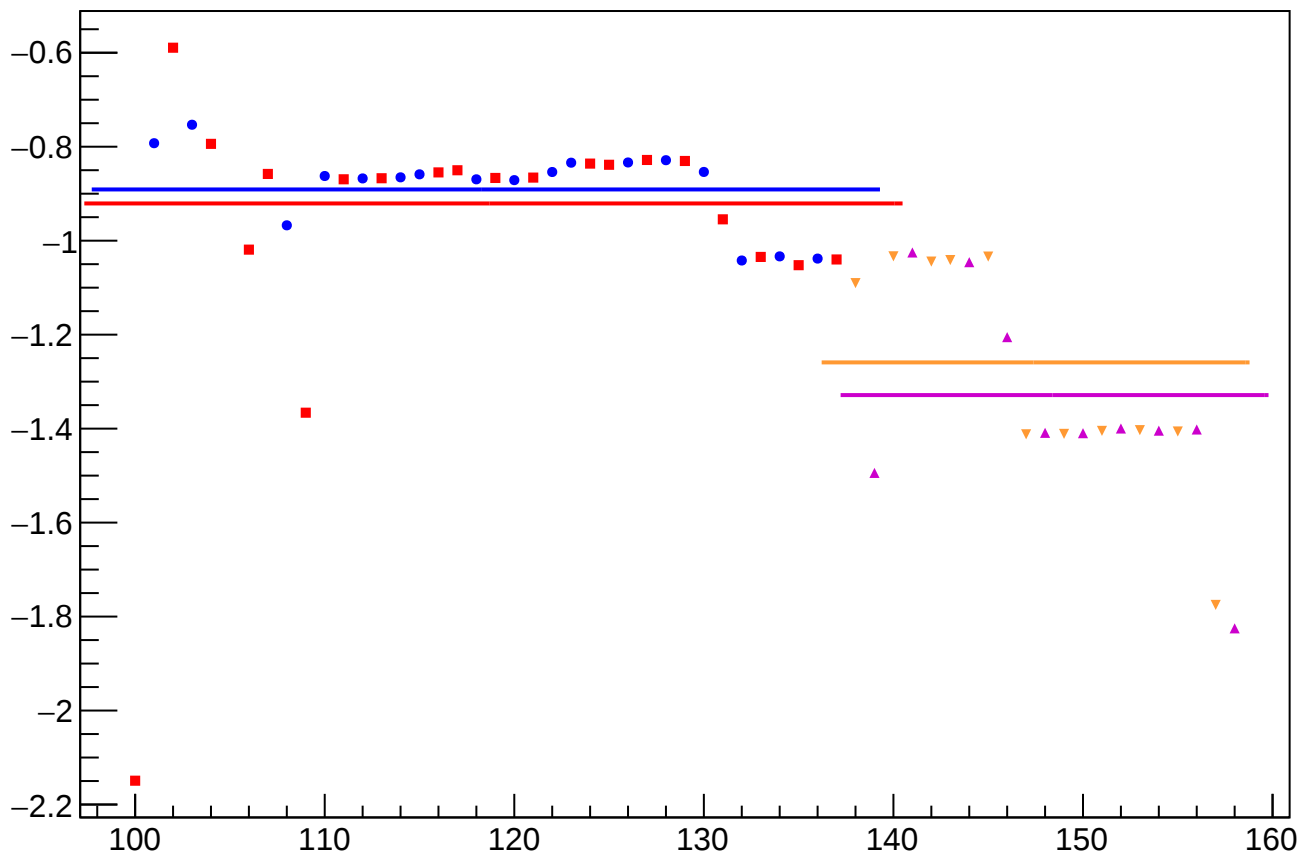
Right Out: 0.014+/-0.000 χ^2/NDF : 1576149.9/19

Left In: 0.011+/-0.000 χ^2/NDF : 2727193.0/9

0.012+/-0.000 χ^2/NDF : 4623825.0/27

0.012+/-0.000 χ^2/NDF : 4642631.5/29

yield_bpm12X_mean vs Slug



Right In: -0.891 ± 0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.259 ± 0.000 χ^2/NDF : 260879242.2/10

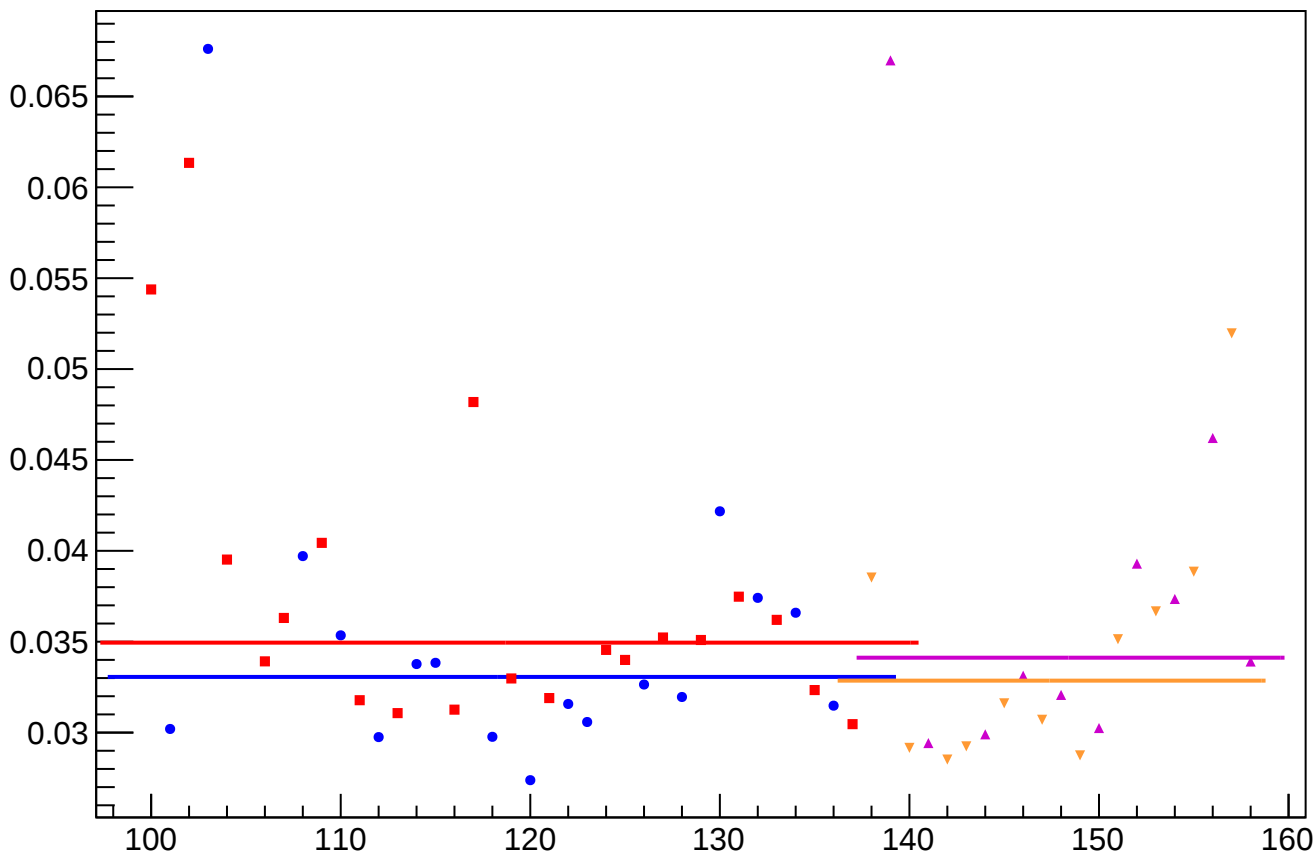
Right Out: -0.921 ± 0.000 χ^2/NDF : 131271770.4/19

Left In: -1.329 ± 0.000 χ^2/NDF : 331022410.9/9

-1.090 ± 0.000 χ^2/NDF : 693214789.9/27

-1.142 ± 0.000 χ^2/NDF : 920456680.9/29

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 409286.7/16

Left Out: 0.033+/-0.000 χ^2/NDF :334088.0/10

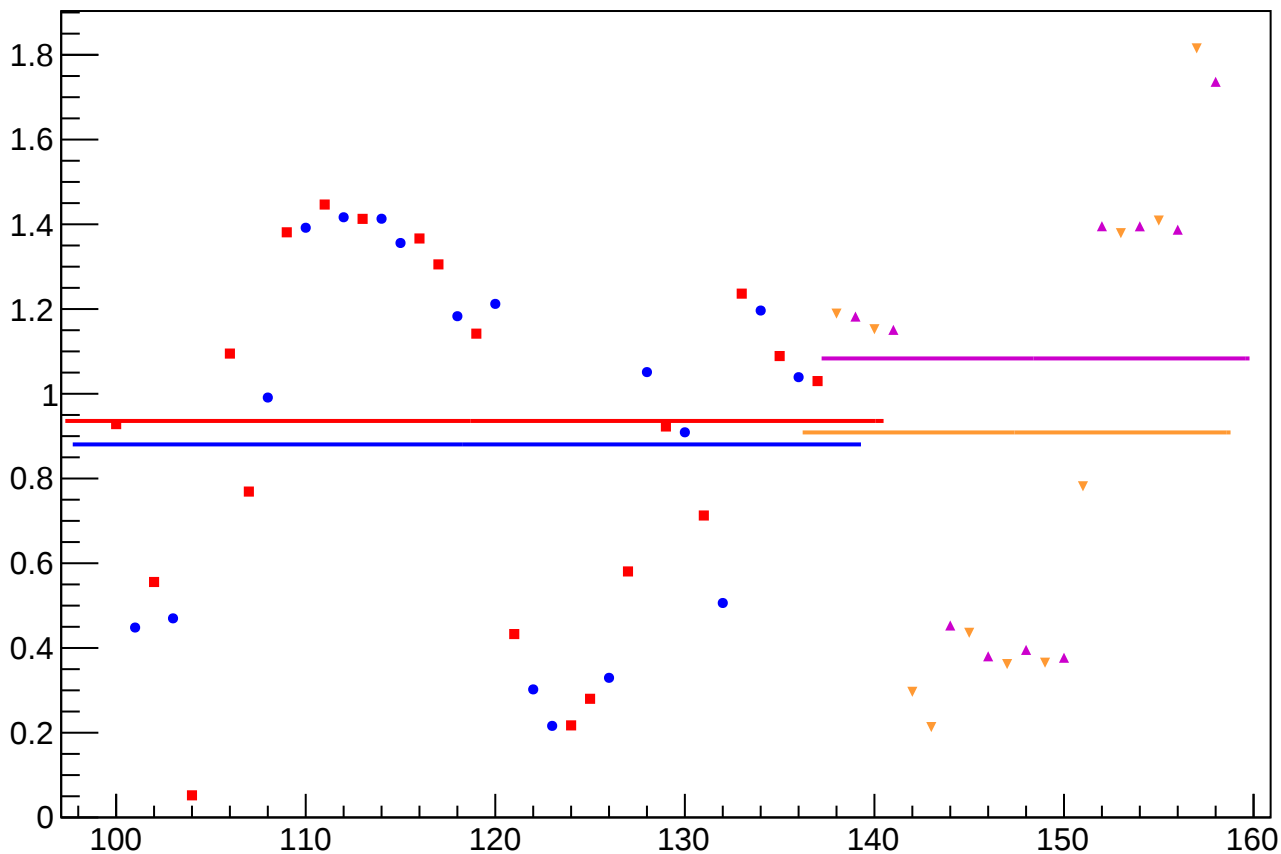
Right Out: 0.035+/-0.000 χ^2/NDF : 280500.4/19

Left In: 0.034+/-0.000 χ^2/NDF :544579.9/9

0.033+/-0.000 χ^2/NDF : 743617.1/27

0.034+/-0.000 χ^2/NDF : 828857.1/29

yield_bpm12Y_mean vs Slug



Right In: 0.880 ± 0.000 χ^2/NDF : 6400108121.4/16

Left Out: 0.909 ± 0.000 χ^2/NDF : 21429558389.7/10

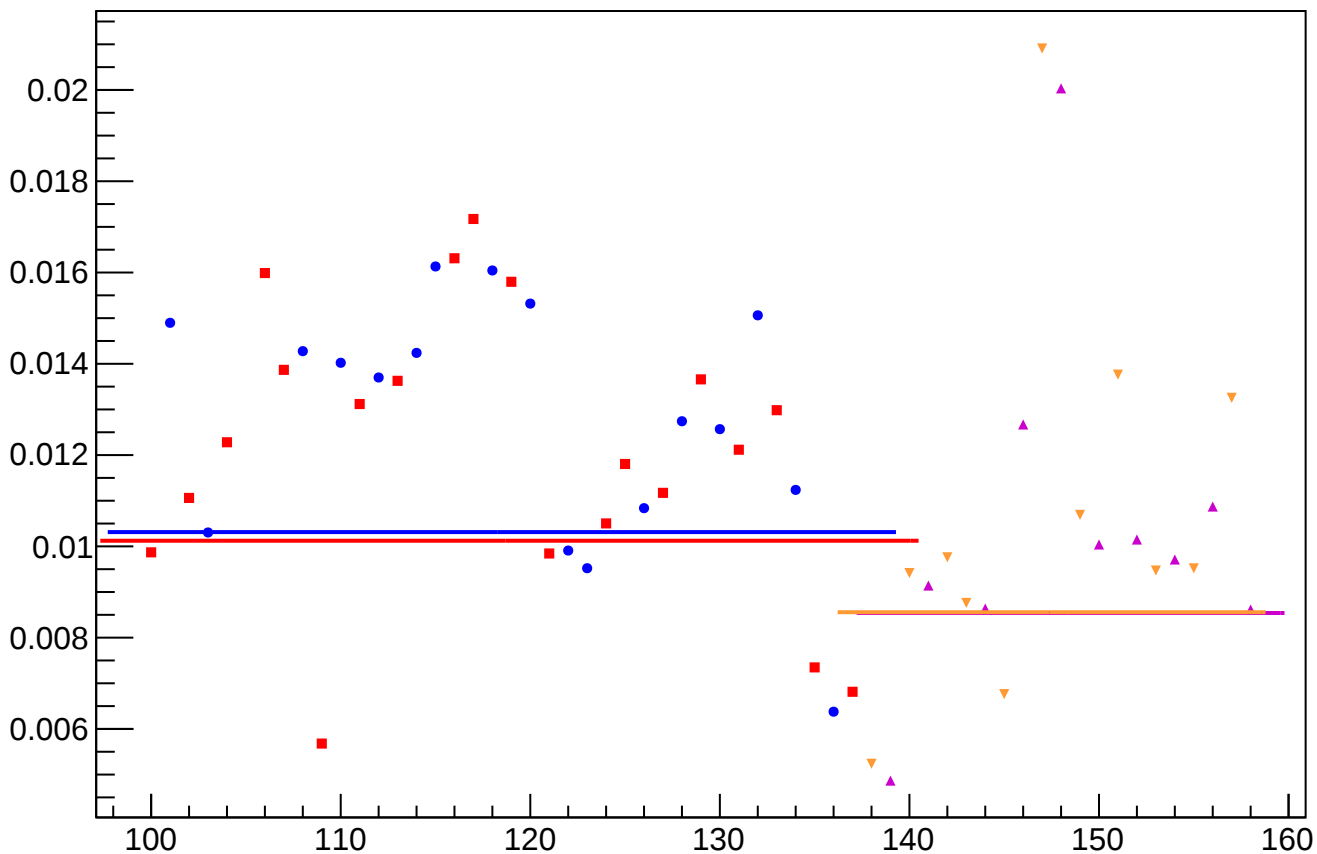
Right Out: 0.936 ± 0.000 χ^2/NDF : 9851303698.9/19

Left In: 1.083 ± 0.000 χ^2/NDF : 18790429215.2/9

0.899 ± 0.000 χ^2/NDF : 27856602499.5/27

1.028 ± 0.000 χ^2/NDF : 29421824386.0/29

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: 1651627.6/10

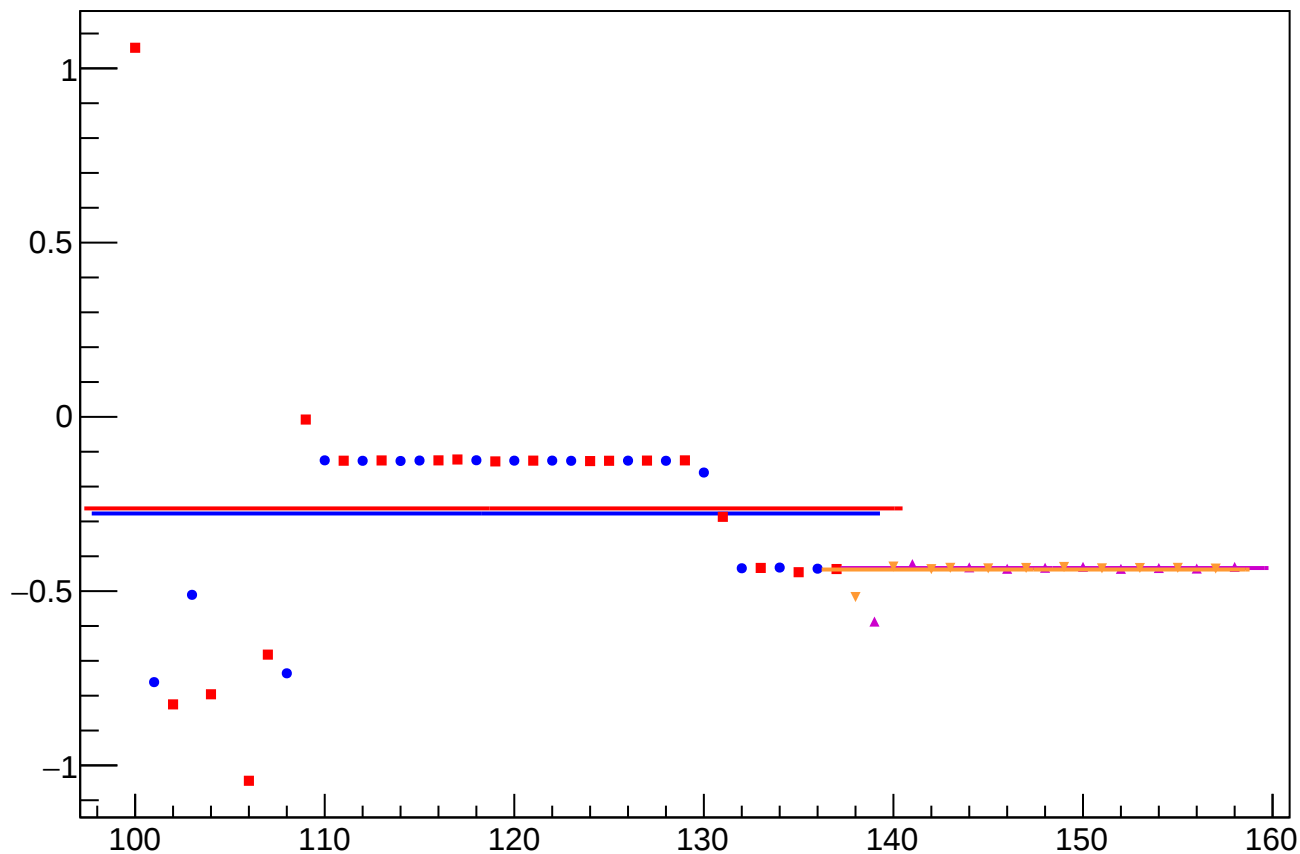
Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1191429.9/19

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1552986.0/9

0.009 $\pm$ 0.000 χ^2 /NDF: 3090538.2/27

0.009 $\pm$ 0.000 χ^2 /NDF: 2924134.2/29

yield_bpm16X_mean vs Slug



Right In: -0.277 ± 0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.438 ± 0.000 χ^2/NDF : 24178775.1/10

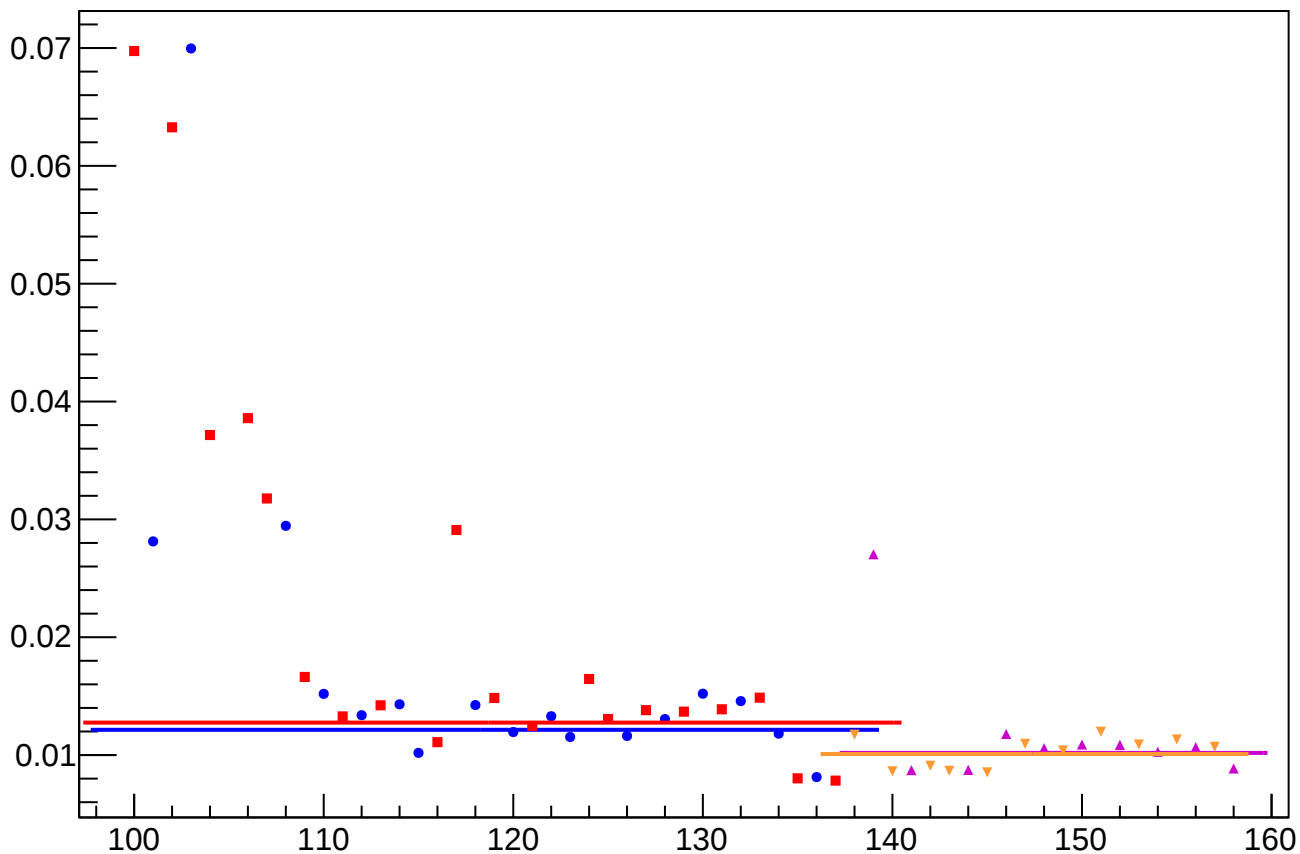
Right Out: -0.263 ± 0.000 χ^2/NDF : 1009303829.9/19

Left In: -0.434 ± 0.000 χ^2/NDF : 22796822.0/9

-0.384 ± 0.000 χ^2/NDF : 1516379754.2/27

-0.379 ± 0.000 χ^2/NDF : 1626973381.2/29

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 :199684.2/10

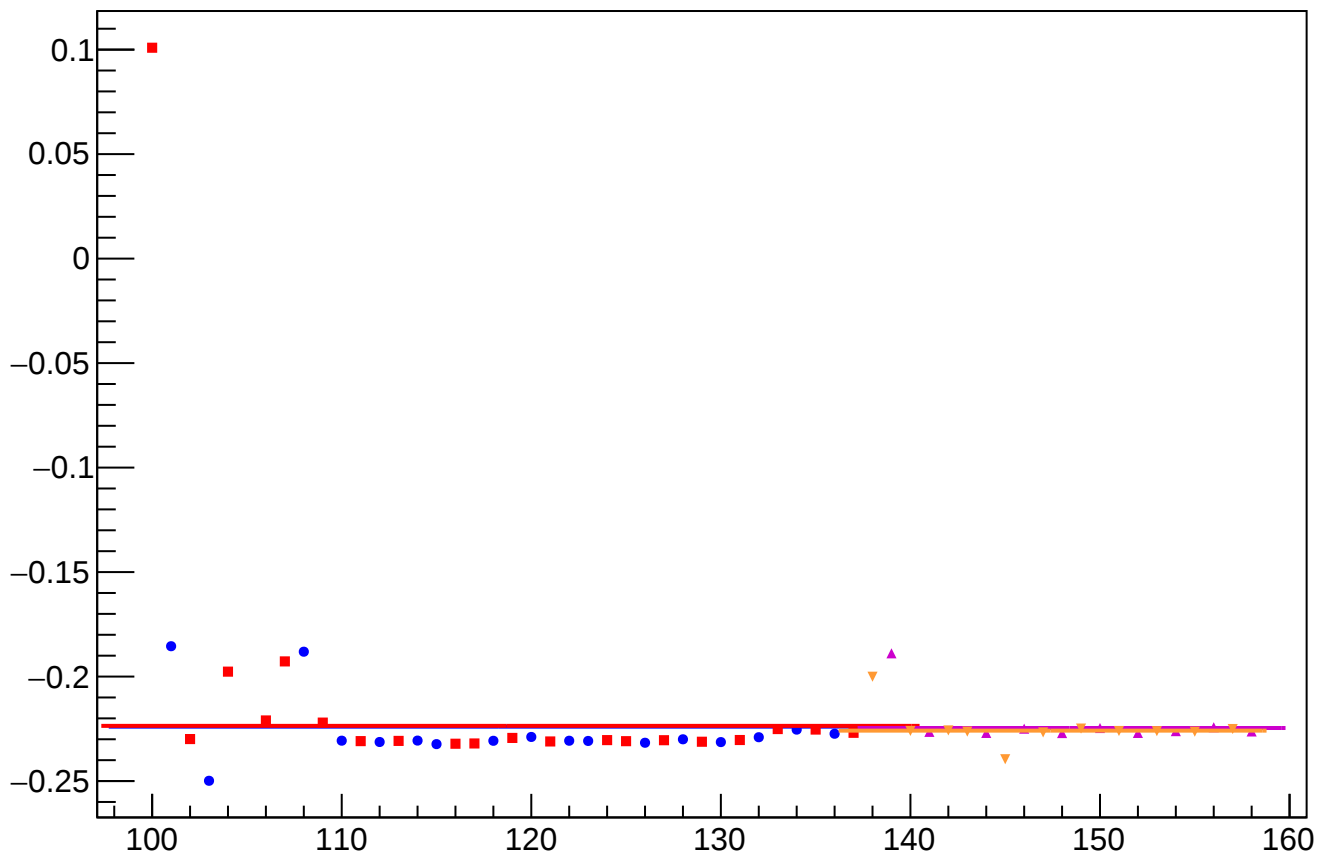
Right Out: 0.013+/-0.000 χ^2/NDF : 1993726.2/19

Left In: 0.010+/-0.000 χ^2/NDF :662457.5/9

0.011+/-0.000 χ^2/NDF : 2107230.6/27

0.011+/-0.000 χ^2/NDF : 2924851.2/29

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 : 20532808.2/10

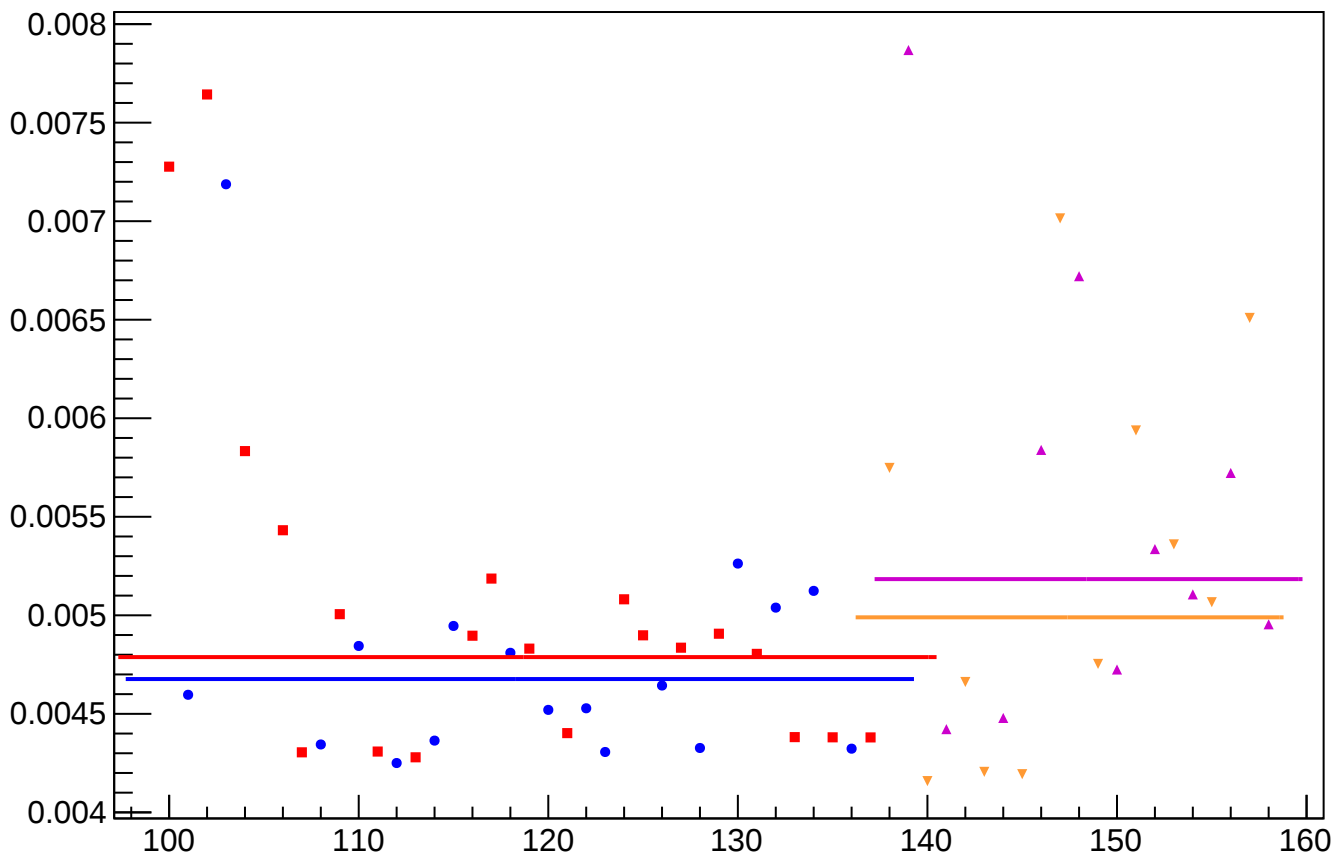
Right Out: -0.224+/-0.000 χ^2/NDF : 168231258.4/19

Left In: -0.225+/-0.000 χ^2/NDF : 14018108.6/9

-0.225+/-0.000 χ^2/NDF : 95763891.4/27

-0.224+/-0.000 χ^2/NDF : 182395528.2/29

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 : 424085.9/10

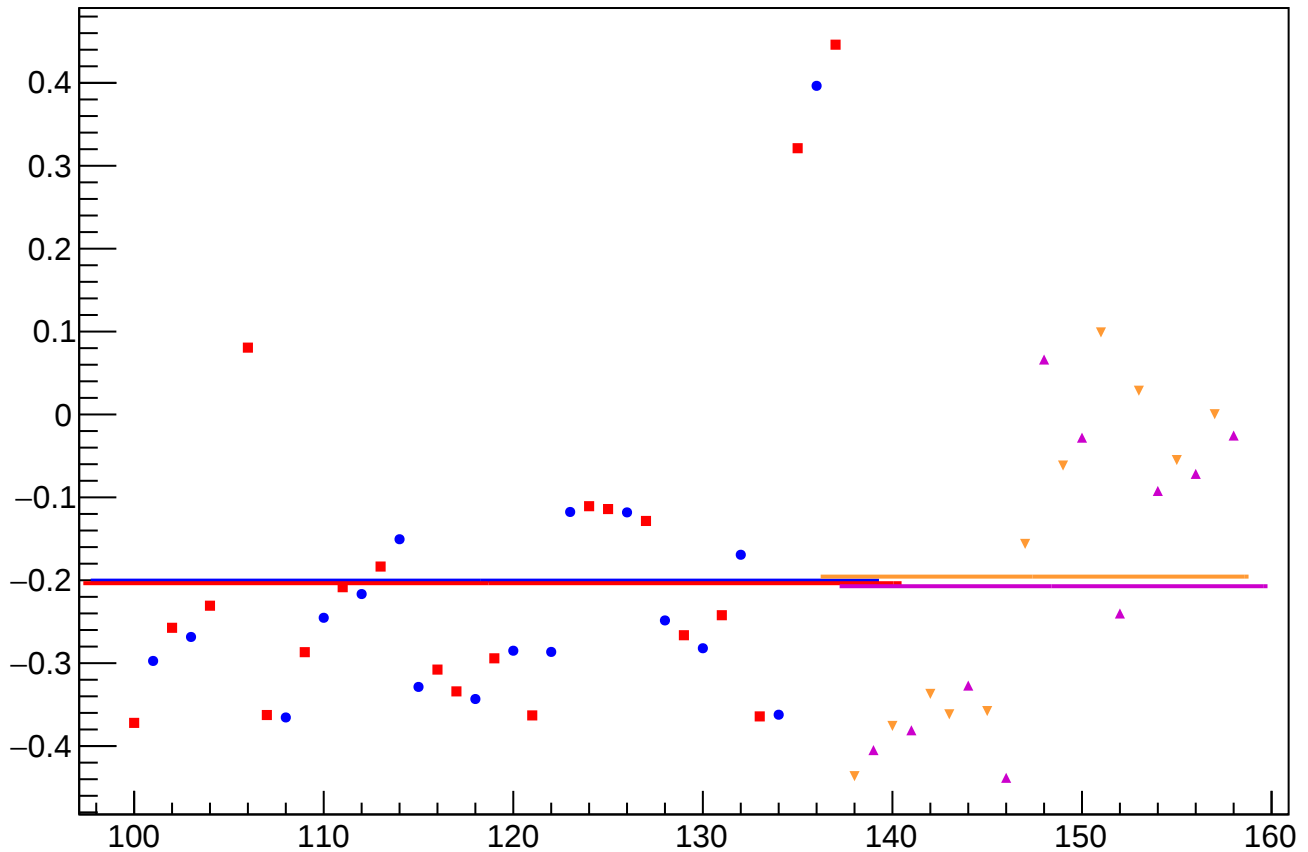
Right Out: 0.005+/-0.000 χ^2/NDF : 248668.3/19

Left In: 0.005+/-0.000 χ^2/NDF : 366177.5/9

0.005+/-0.000 χ^2/NDF : 633360.4/27

0.005+/-0.000 χ^2/NDF : 658683.6/29

yield_bpm0i02X_mean vs Slug



Right In: -0.200+/-0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.196+/-0.000 χ^2/NDF : 9243083144.4/10

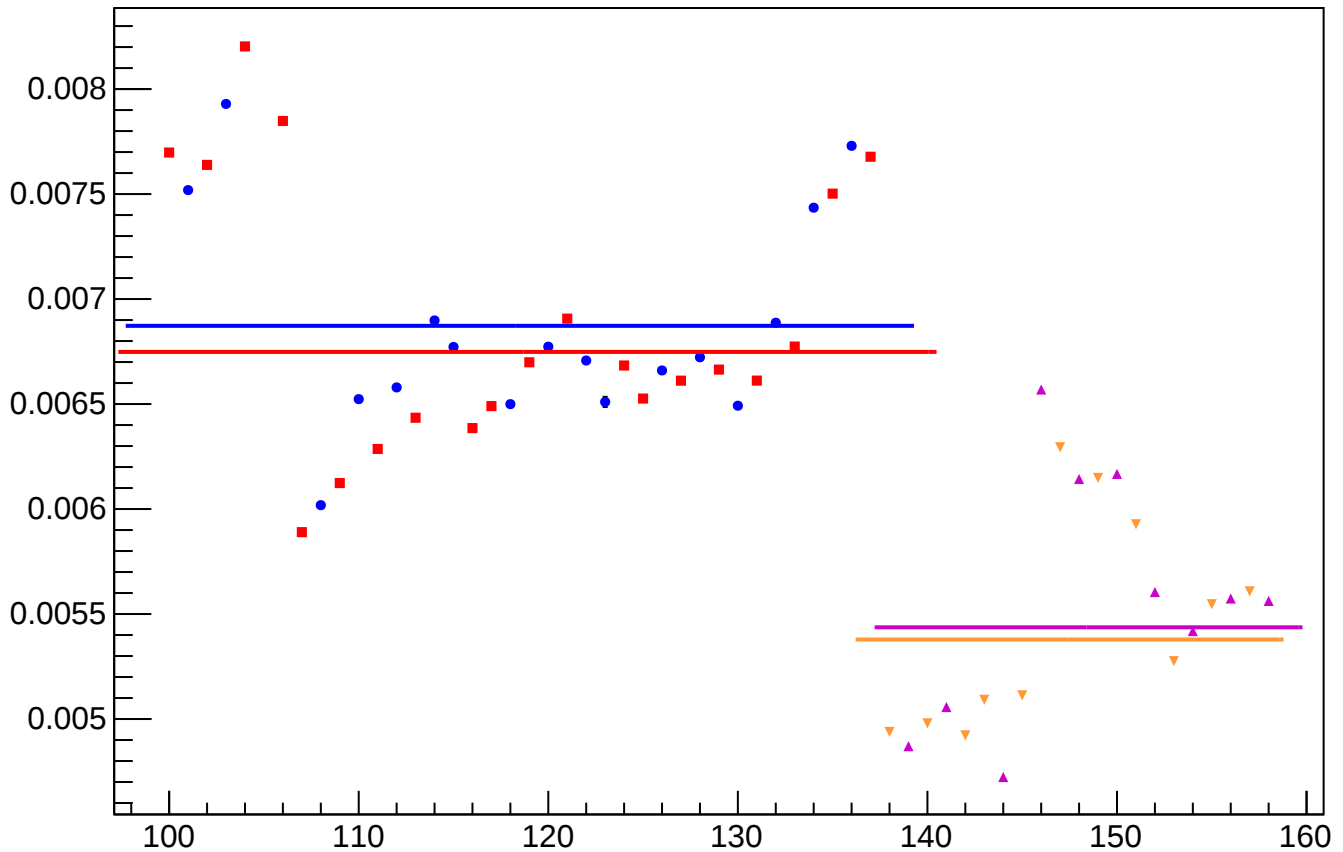
Right Out: -0.204+/-0.000 χ^2/NDF : 5045878528.0/19

Left In: -0.207+/-0.000 χ^2/NDF : 7024768180.0/9

-0.197+/-0.000 χ^2/NDF : 15218754151.0/27

-0.206+/-0.000 χ^2/NDF : 12071903214.8/29

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 :102009.0/10

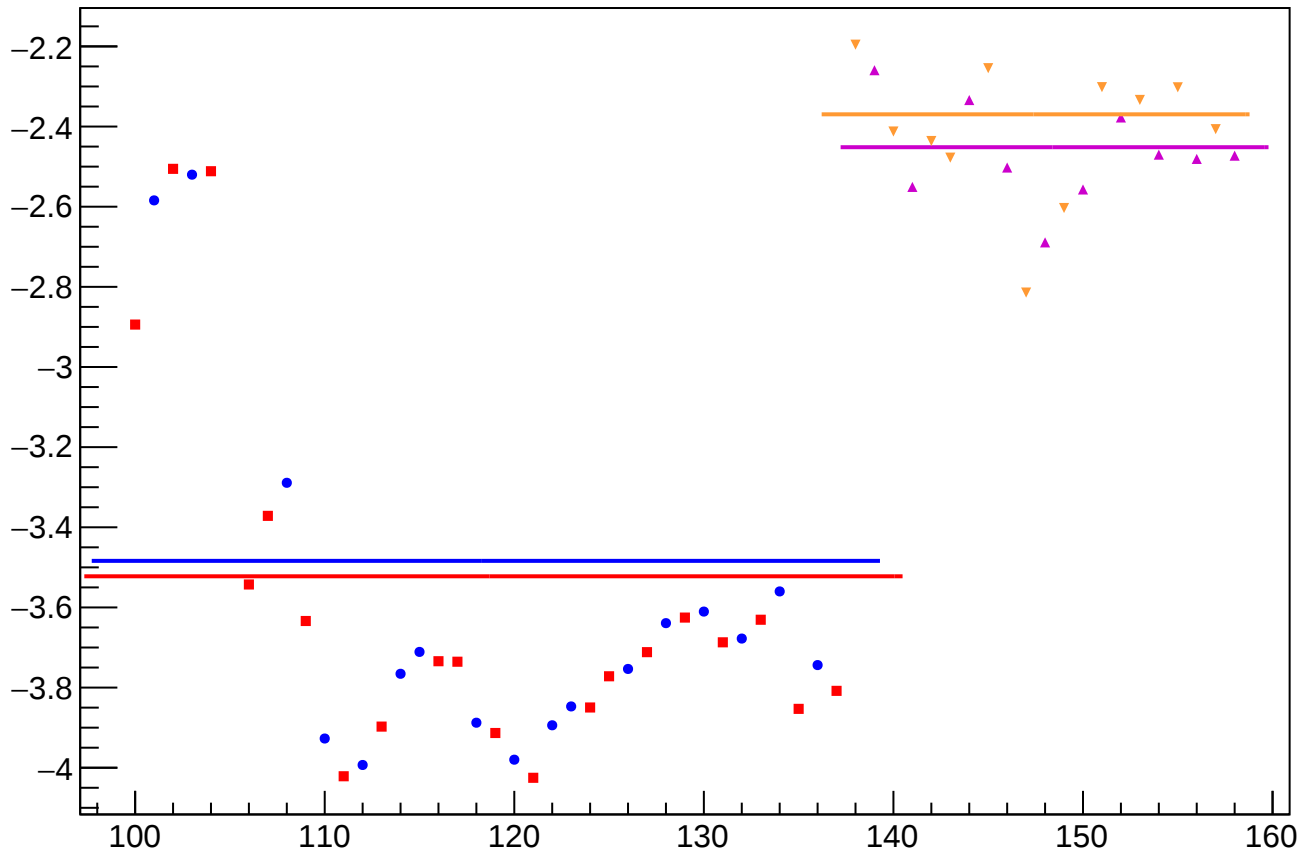
Right Out: 0.007+/-0.000 χ^2/NDF : 105262.1/19

Left In: 0.005+/-0.000 χ^2/NDF :143594.0/9

0.006+/-0.000 χ^2/NDF : 583973.1/27

0.006+/-0.000 χ^2/NDF : 574262.5/29

yield_bpm0i02Y_mean vs Slug



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.369+/-0.000 χ^2/NDF : 1479186437.6/10

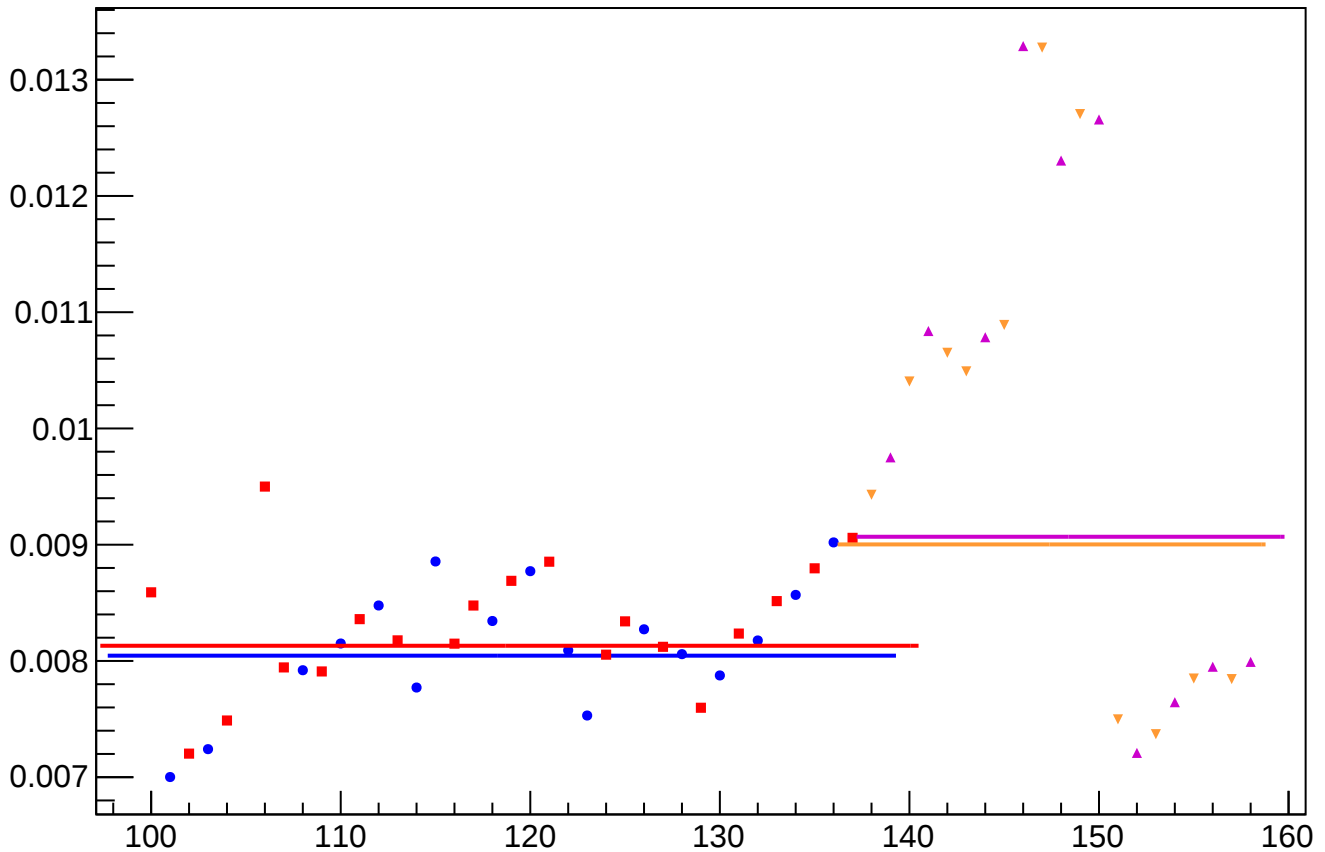
-2.961+/-0.000 χ^2/NDF : 87246885007.4/27

Right Out: -3.522+/-0.000 χ^2/NDF : 26497611752.4/19

-3.030+/-0.000 χ^2/NDF : 81717318580.8/29

Left In: -2.452+/-0.000 χ^2/NDF : 848507161.6/9

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 :554013.0/10

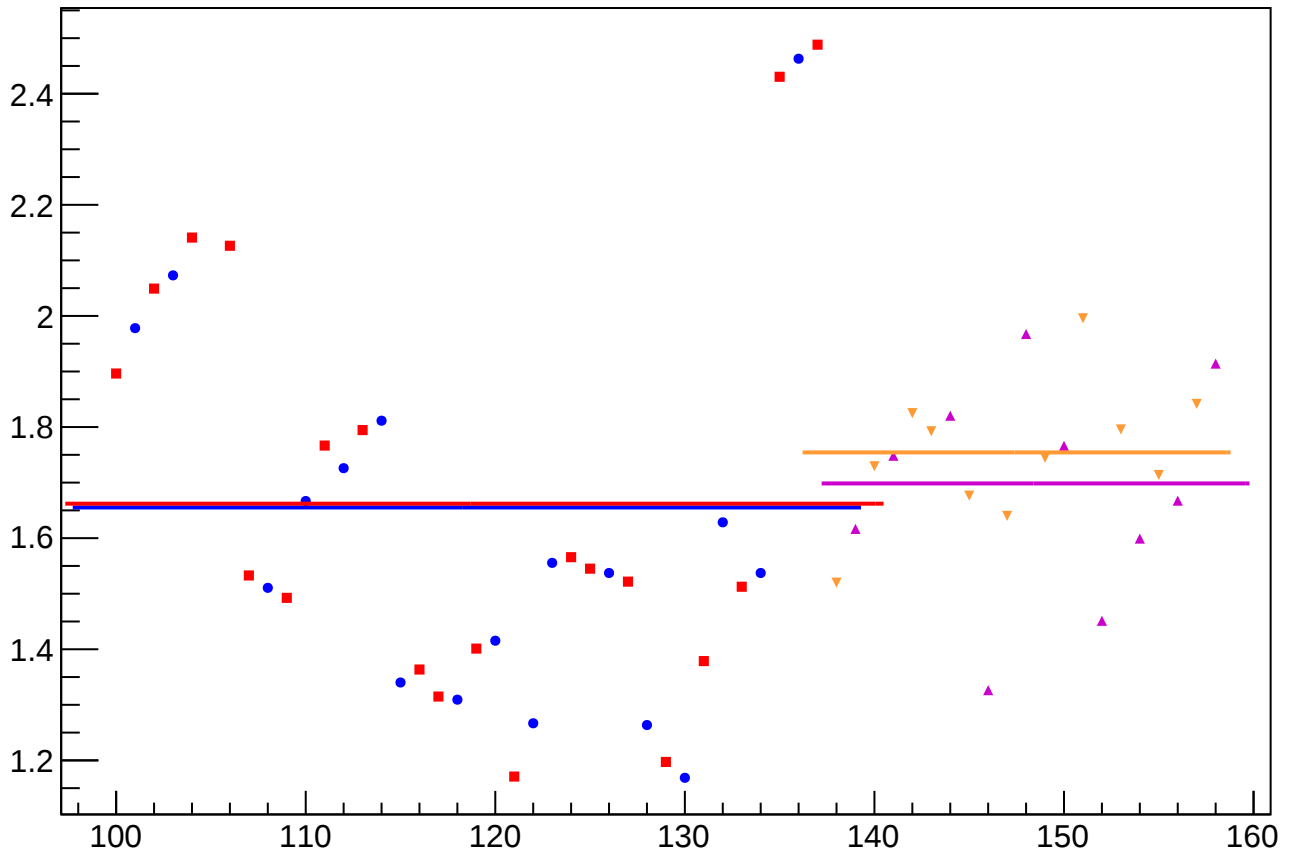
Right Out: 0.008+/-0.000 χ^2/NDF : 57613.2/19

Left In: 0.009+/-0.000 χ^2/NDF :651070.7/9

0.008+/-0.000 χ^2/NDF : 712450.3/27

0.009+/-0.000 χ^2/NDF : 792074.6/29

yield_bpm0i02aX_mean vs Slug



Right In: 1.655+/-0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.754+/-0.000 χ^2/NDF : 921393711.8/10

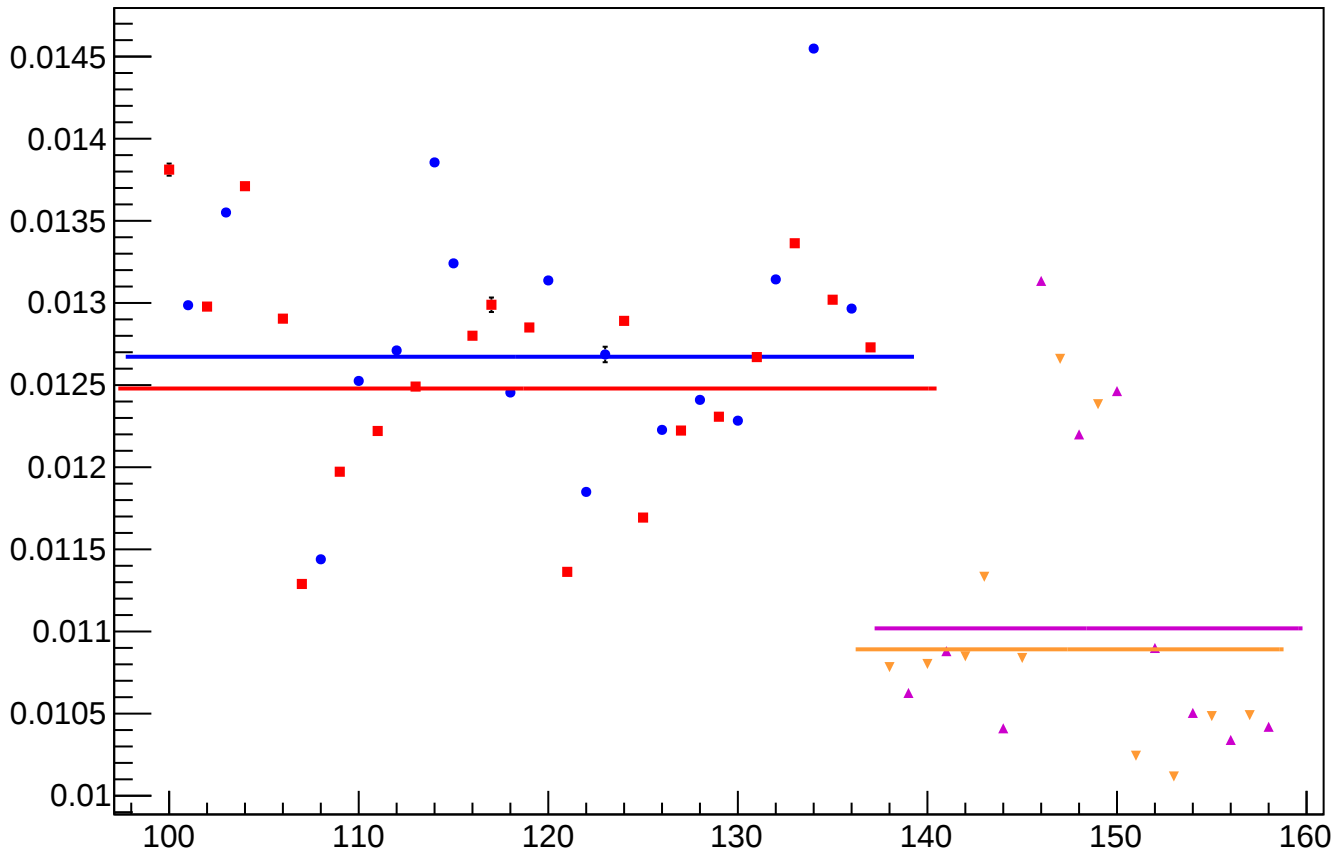
Right Out: 1.662+/-0.000 χ^2/NDF : 5975345573.0/19

Left In: 1.698+/-0.000 χ^2/NDF : 1913436244.1/9

1.716+/-0.000 χ^2/NDF : 7643624818.2/27

1.683+/-0.000 χ^2/NDF : 7923313375.0/29

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 31801.3/16

Left Out: 0.011+/-0.000 χ^2/NDF : 70879.9/10

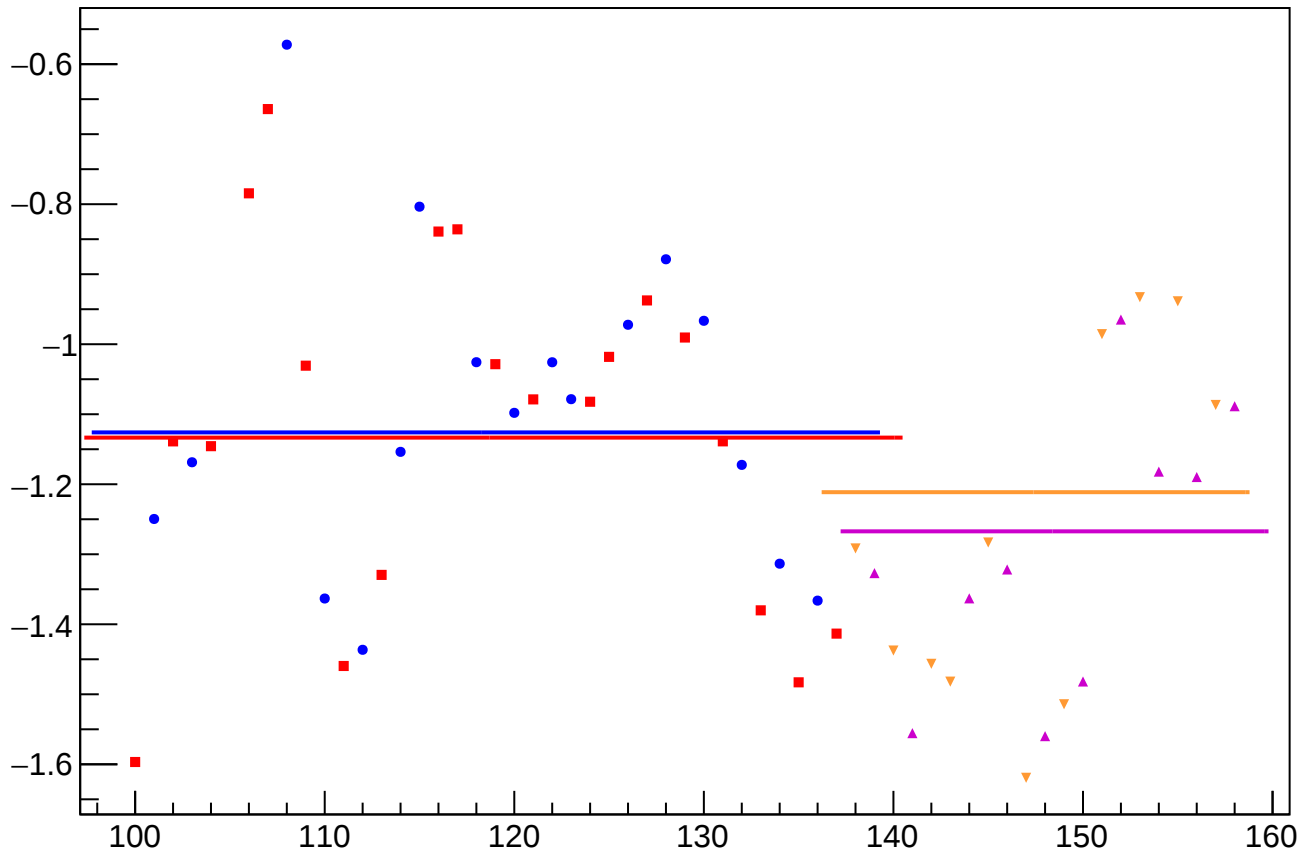
Right Out: 0.012+/-0.000 χ^2/NDF : 39268.9/19

Left In: 0.011+/-0.000 χ^2/NDF : 94595.6/9

0.012+/-0.000 χ^2/NDF : 261491.9/27

0.012+/-0.000 χ^2/NDF : 244820.7/29

yield_bpm0i02aY_mean vs Slug



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.211+/-0.000 χ^2/NDF : 6075273100.2/10

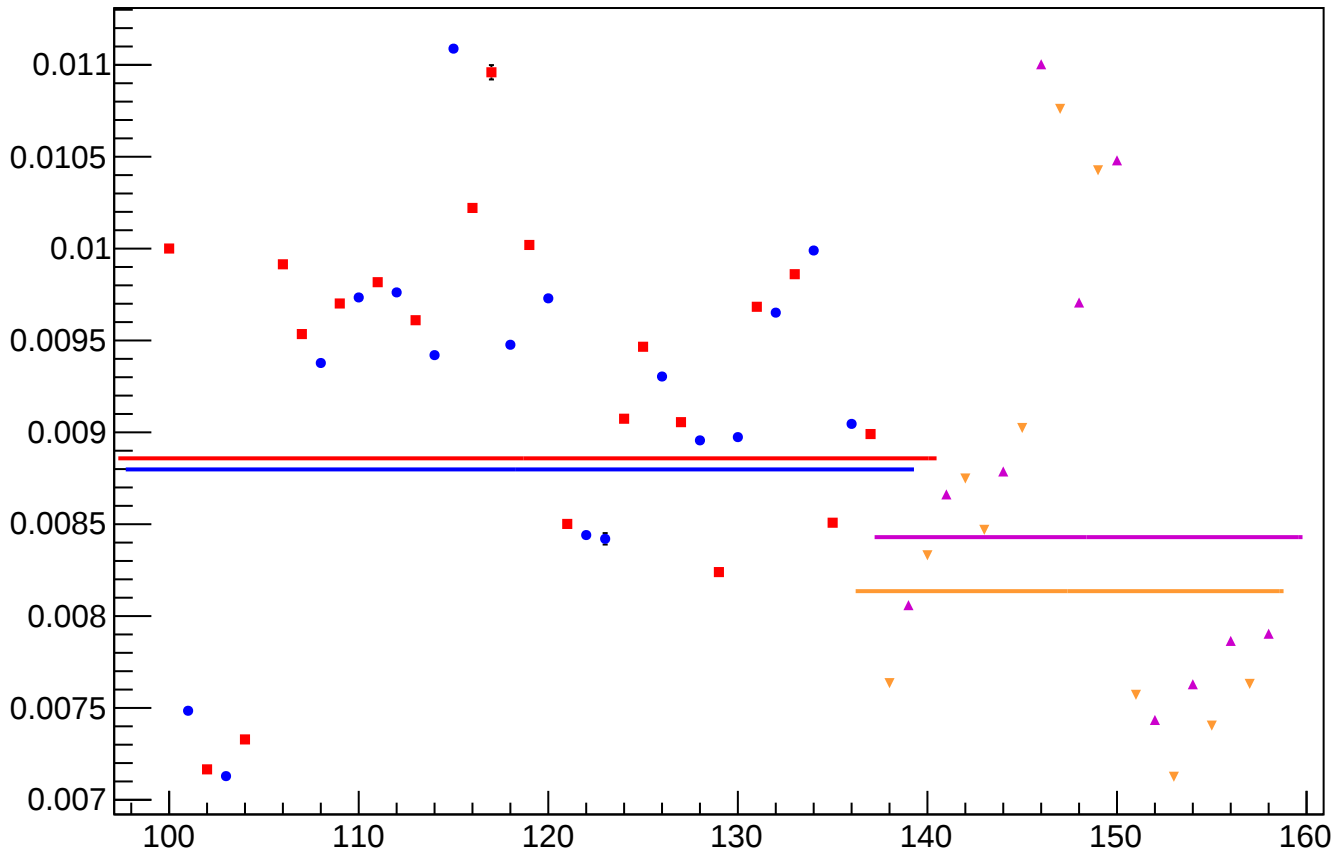
-1.175+/-0.000 χ^2/NDF : 9992580664.3/27

Right Out: -1.133+/-0.000 χ^2/NDF : 3706528266.7/19

-1.207+/-0.000 χ^2/NDF : 8391210022.7/29

Left In: -1.267+/-0.000 χ^2/NDF : 3849054346.0/9

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 151586.8/16

Left Out: 0.008+/-0.000 χ^2/NDF :222994.5/10

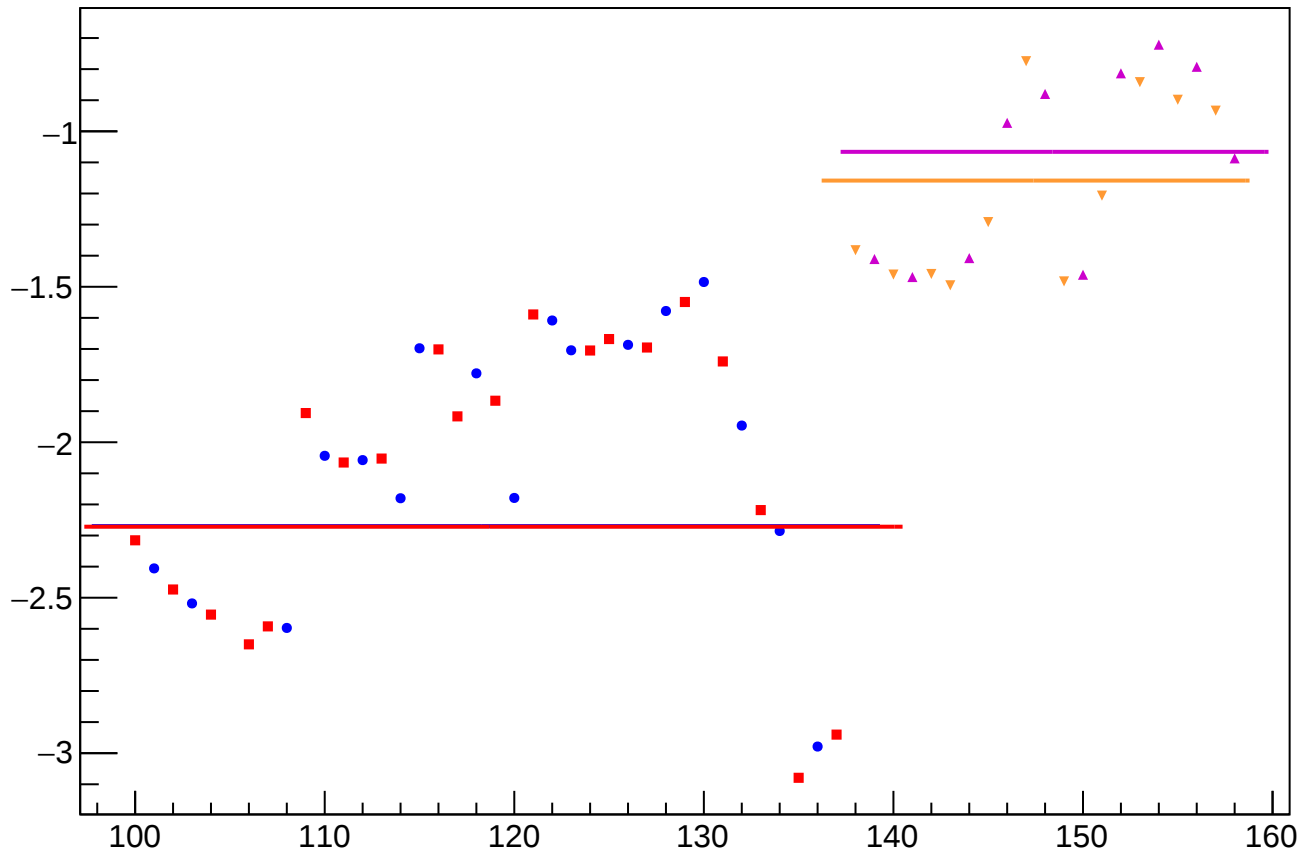
Right Out: 0.009+/-0.000 χ^2/NDF : 176858.0/19

Left In: 0.008+/-0.000 χ^2/NDF :213980.4/9

0.008+/-0.000 χ^2/NDF : 415832.6/27

0.009+/-0.000 χ^2/NDF : 407989.2/29

yield_bpm0i05X_mean vs Slug



Right In: -2.270+/-0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.158+/-0.000 χ^2/NDF : 11146702977.7/10

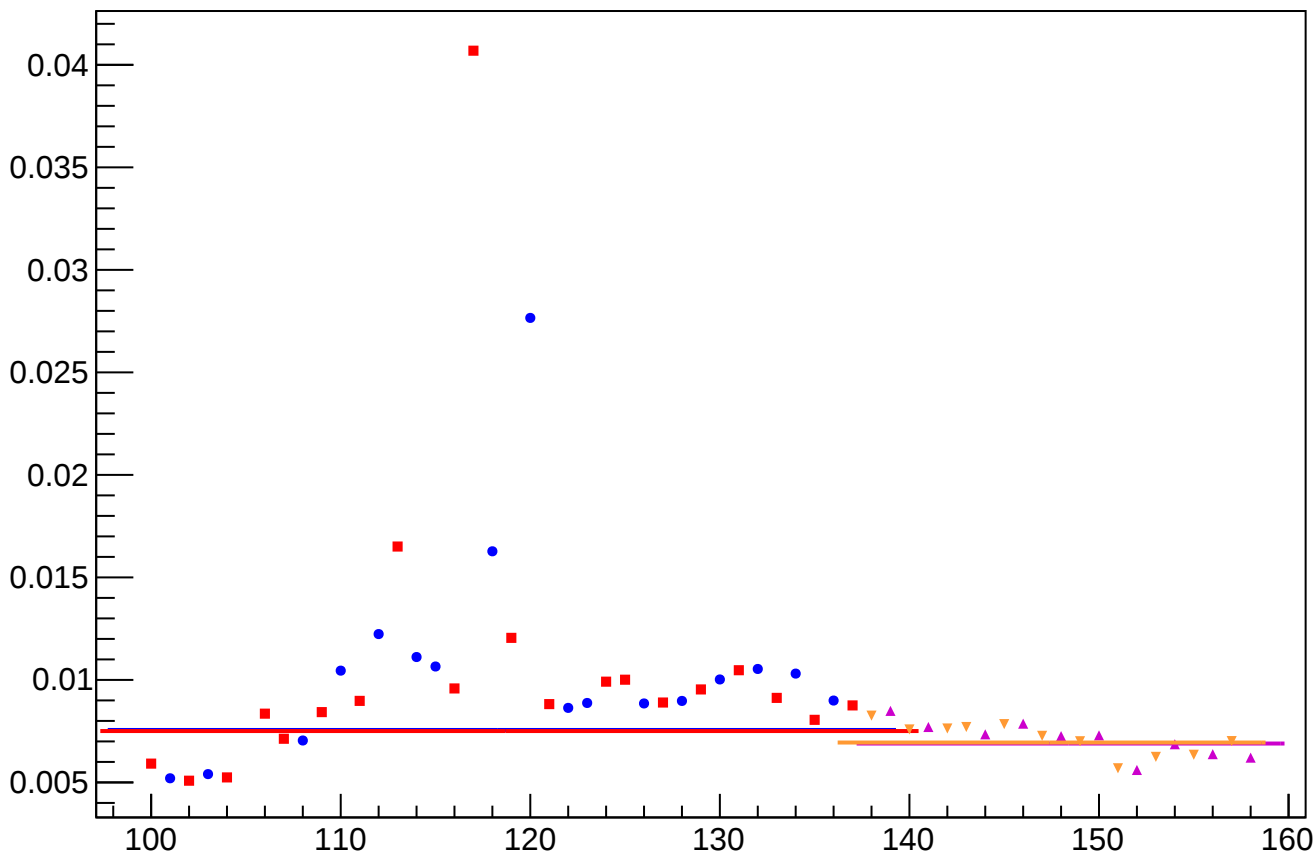
-1.567+/-0.000 χ^2/NDF : 97296086758.5/27

Right Out: -2.272+/-0.000 χ^2/NDF : 19012236430.2/19

-1.535+/-0.000 χ^2/NDF : 120239064651.1/29

Left In: -1.066+/-0.000 χ^2/NDF : 12773991463.4/9

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1221004.0/16

Left Out: 0.007+/-0.000 χ^2/NDF :178954.6/10

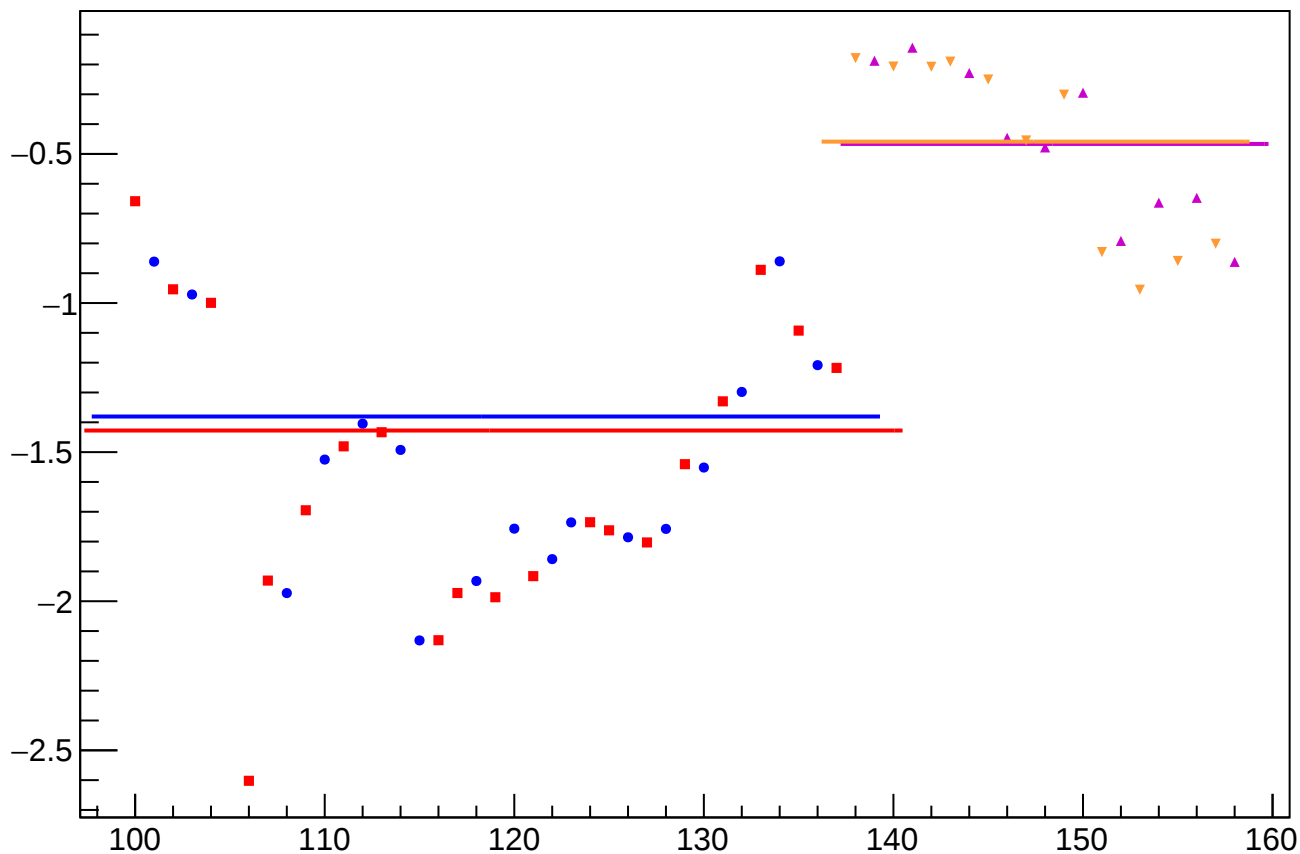
Right Out: 0.008+/-0.000 χ^2/NDF : 984811.6/19

Left In: 0.007+/-0.000 χ^2/NDF :208006.2/9

0.007+/-0.000 χ^2/NDF : 1441664.9/27

0.007+/-0.000 χ^2/NDF : 1237947.9/29

yield_bpm0i05Y_mean vs Slug



Right In: -1.381+/-0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.459+/-0.000 χ^2/NDF : 36955106114.5/10

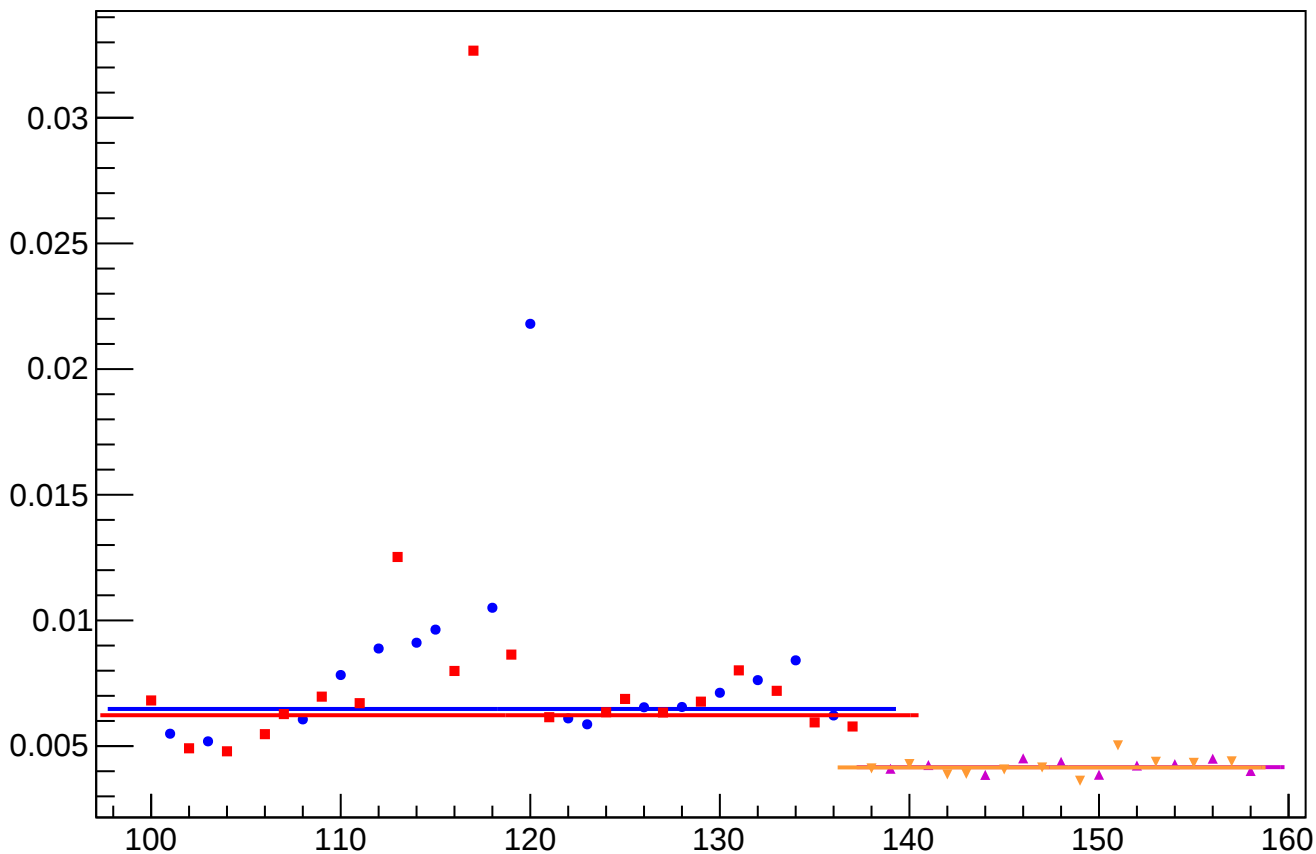
Right Out: -1.428+/-0.000 χ^2/NDF : 29626603581.6/19

Left In: -0.466+/-0.000 χ^2/NDF : 26763169302.9/9

-0.678+/-0.000 χ^2/NDF : 141080317063.5/27

-0.722+/-0.000 χ^2/NDF : 159496256431.6/29

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 : 87221.4/10

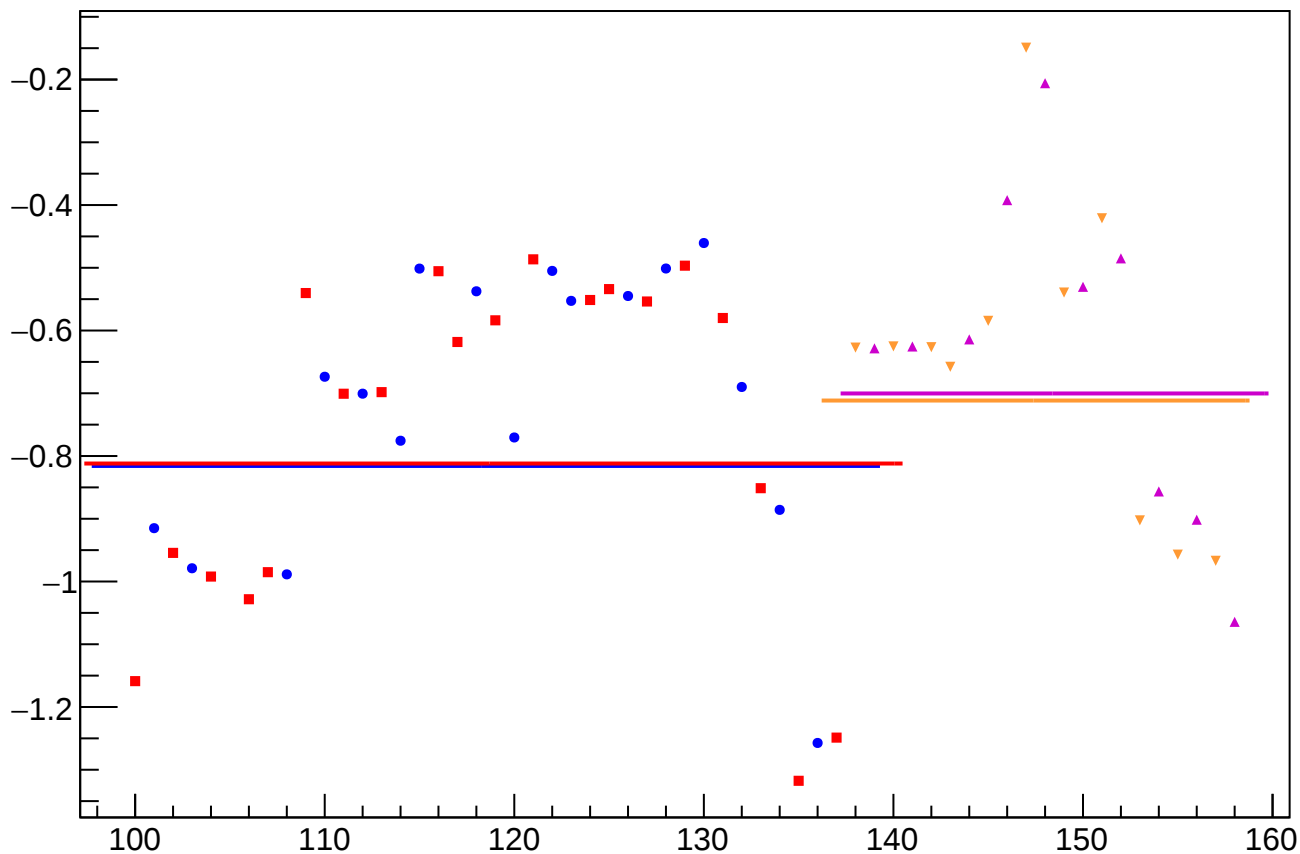
Right Out: 0.006+/-0.000 χ^2/NDF : 472534.6/19

Left In: 0.004+/-0.000 χ^2/NDF : 43091.0/9

0.005+/-0.000 χ^2/NDF : 1731228.6/27

0.005+/-0.000 χ^2/NDF : 1468431.5/29

yield_bpm0i07X_mean vs Slug



Right In: -0.816 ± 0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.712 ± 0.000 χ^2/NDF : 19935846916.1/10

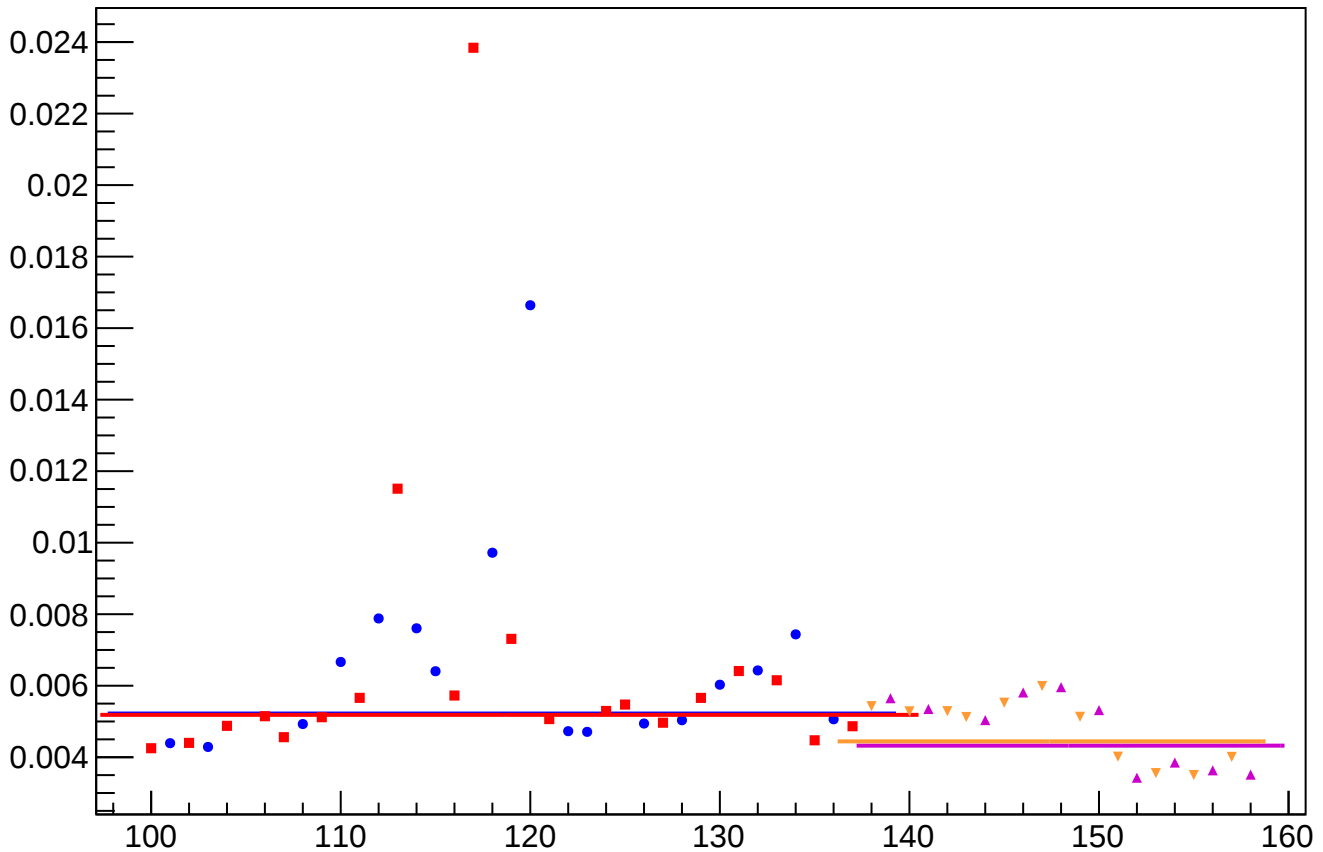
Right Out: -0.812 ± 0.000 χ^2/NDF : 16818378599.3/19

Left In: -0.700 ± 0.000 χ^2/NDF : 23260619401.2/9

-0.748 ± 0.000 χ^2/NDF : 35486797982.8/27

-0.741 ± 0.000 χ^2/NDF : 41831310928.1/29

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 : 528410.8/10

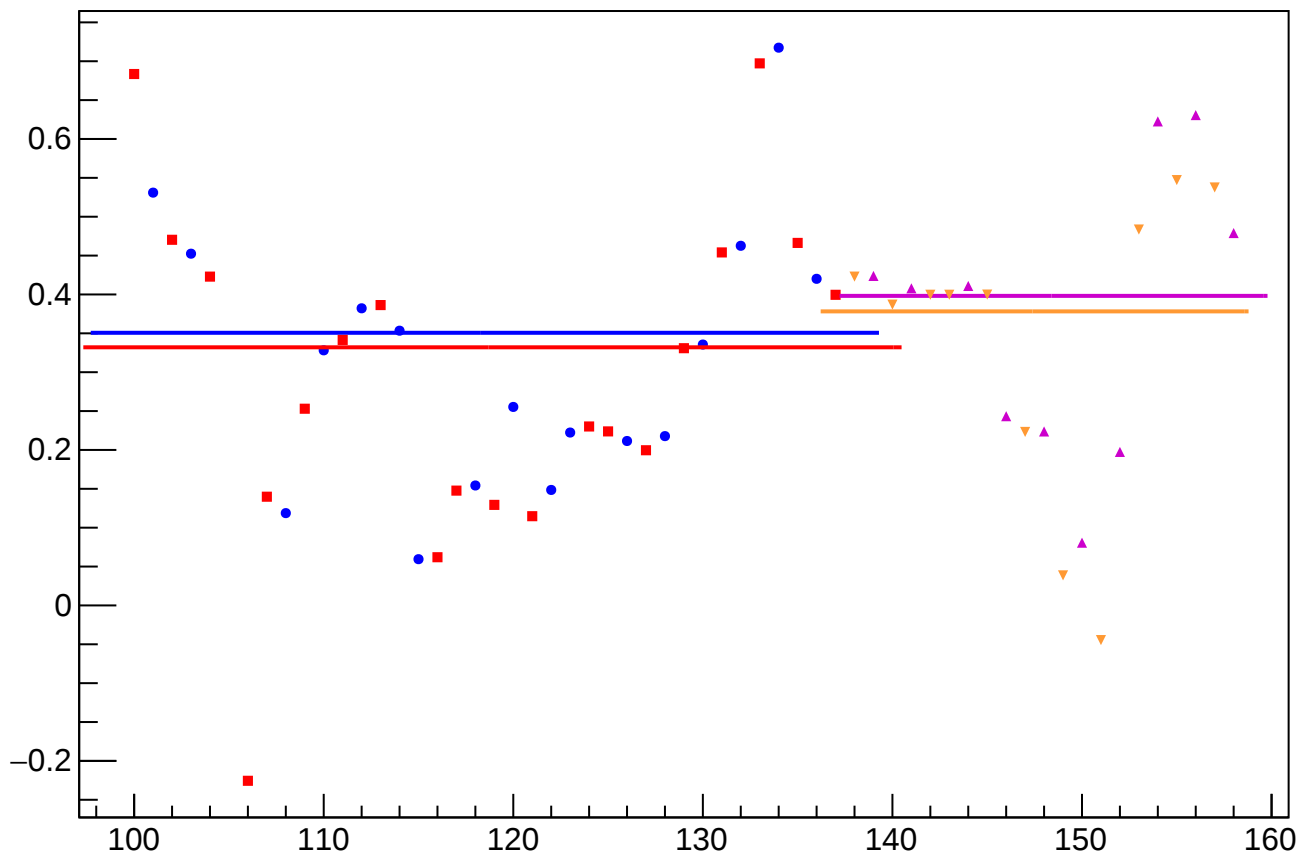
Right Out: 0.005+/-0.000 χ^2/NDF : 410640.5/19

Left In: 0.004+/-0.000 χ^2/NDF : 683859.9/9

0.005+/-0.000 χ^2/NDF : 1346304.6/27

0.005+/-0.000 χ^2/NDF : 1302868.2/29

yield_bpm0i07Y_mean vs Slug



Right In: 0.351+/-0.000 χ^2/NDF : 7410859446.3/16

Left Out: 0.378+/-0.000 χ^2/NDF :15851899529.0/10

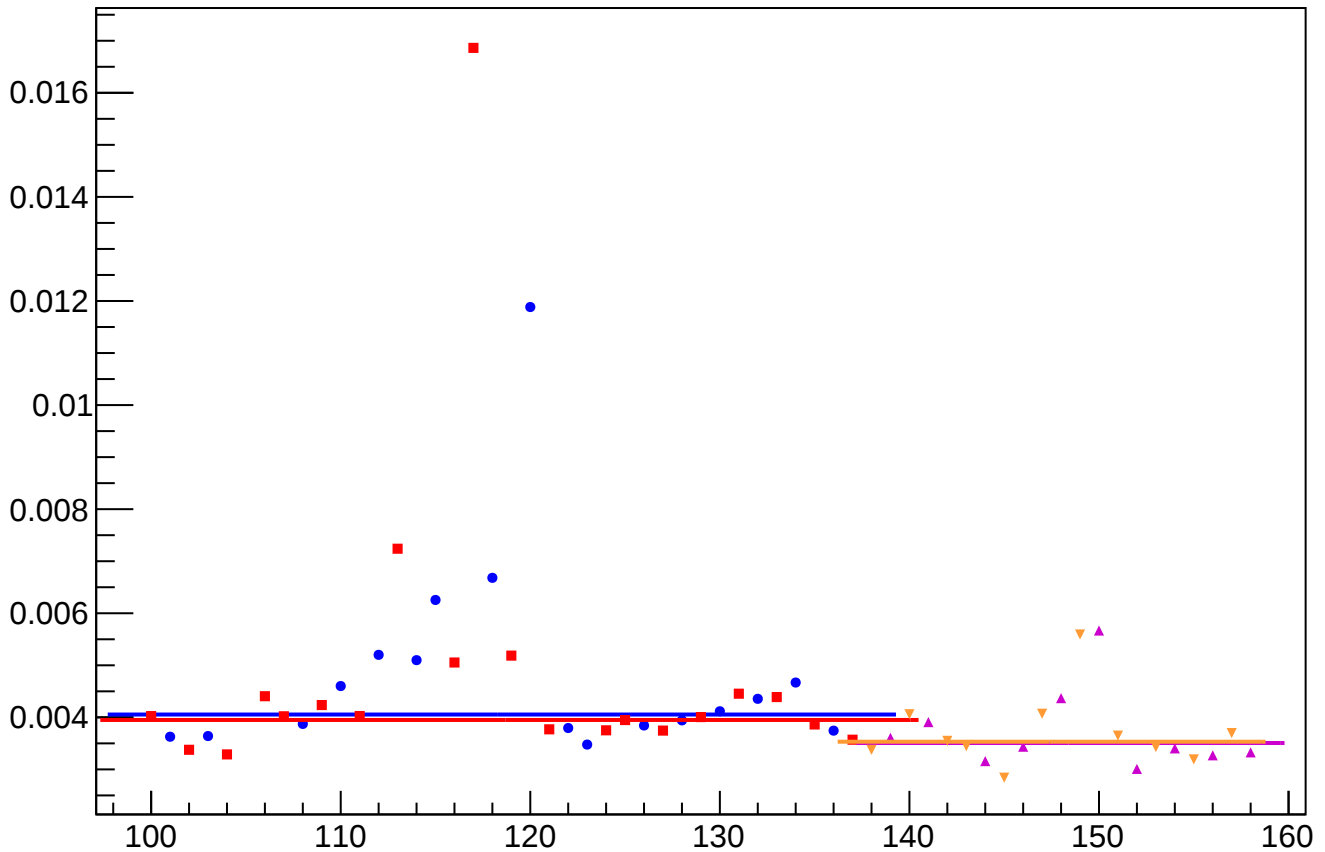
0.367+/-0.000 χ^2/NDF : 23422799904.2/27

Right Out: 0.332+/-0.000 χ^2/NDF : 11800695210.2/19

0.371+/-0.000 χ^2/NDF : 28264450423.5/29

Left In: 0.398+/-0.000 χ^2/NDF :15451728842.1/9

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 455318.3/16

Left Out: 0.004+/-0.000 χ^2/NDF : 334802.6/10

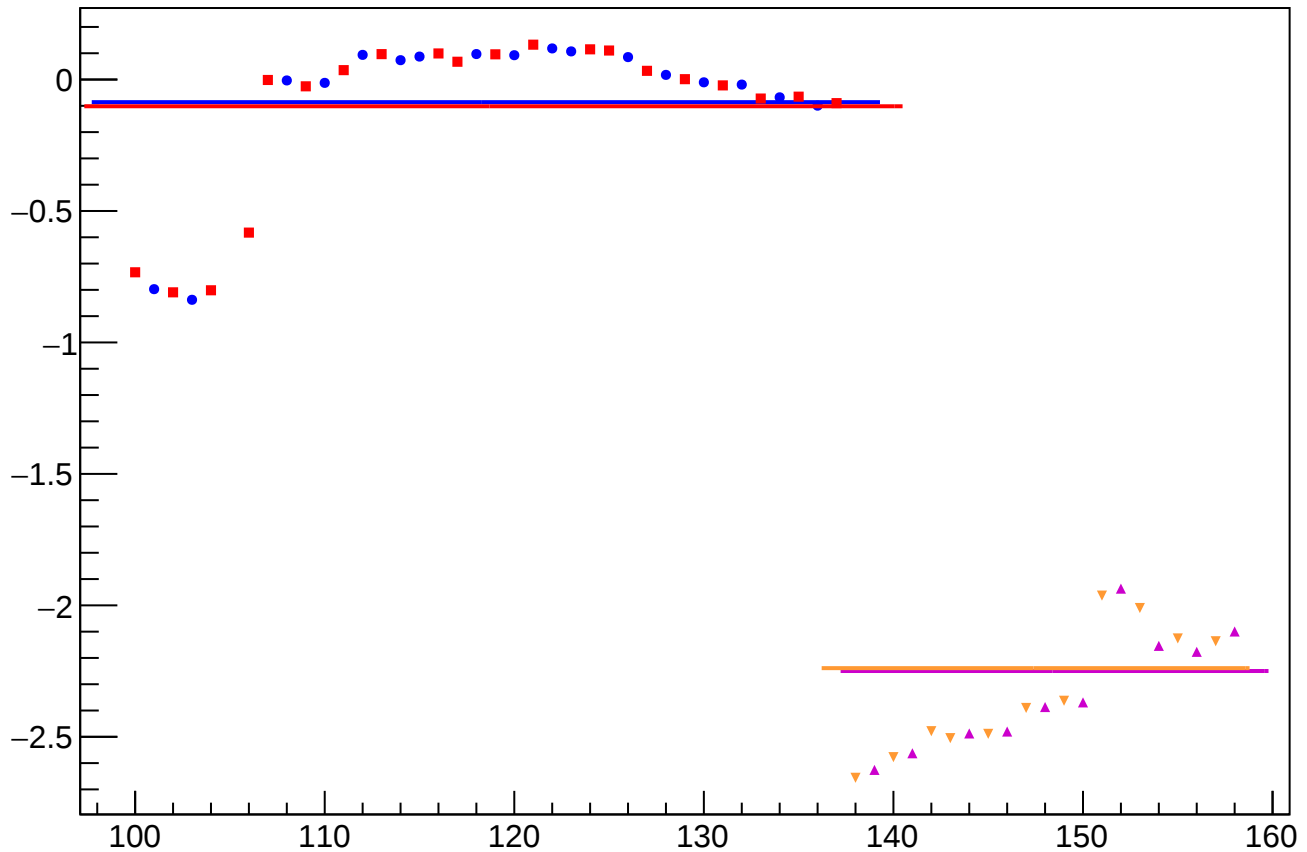
Right Out: 0.004+/-0.000 χ^2/NDF : 304954.7/19

Left In: 0.004+/-0.000 χ^2/NDF : 358994.3/9

0.004+/-0.000 χ^2/NDF : 905264.6/27

0.004+/-0.000 χ^2/NDF : 754579.8/29

yield_bpm1i02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.239+/-0.000 χ^2/NDF : 3251888046.4/10

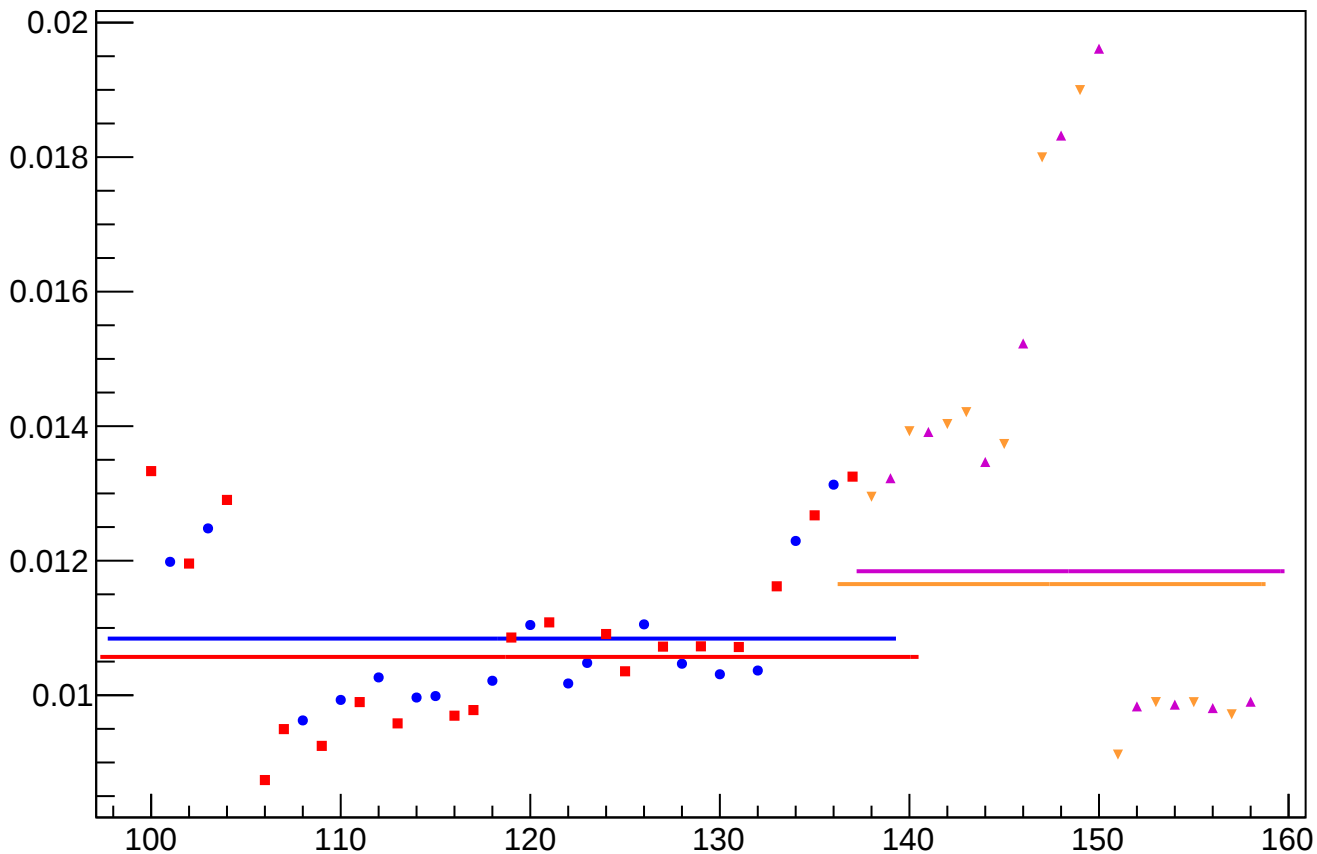
-1.161+/-0.000 χ^2/NDF : 138939577874.7/27

Right Out: -0.102+/-0.000 χ^2/NDF : 5566142794.2/19

-1.097+/-0.000 χ^2/NDF : 143238616465.4/29

Left In: -2.250+/-0.000 χ^2/NDF : 2644633807.1/9

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.012+/-0.000 χ^2/NDF : 873914.6/10

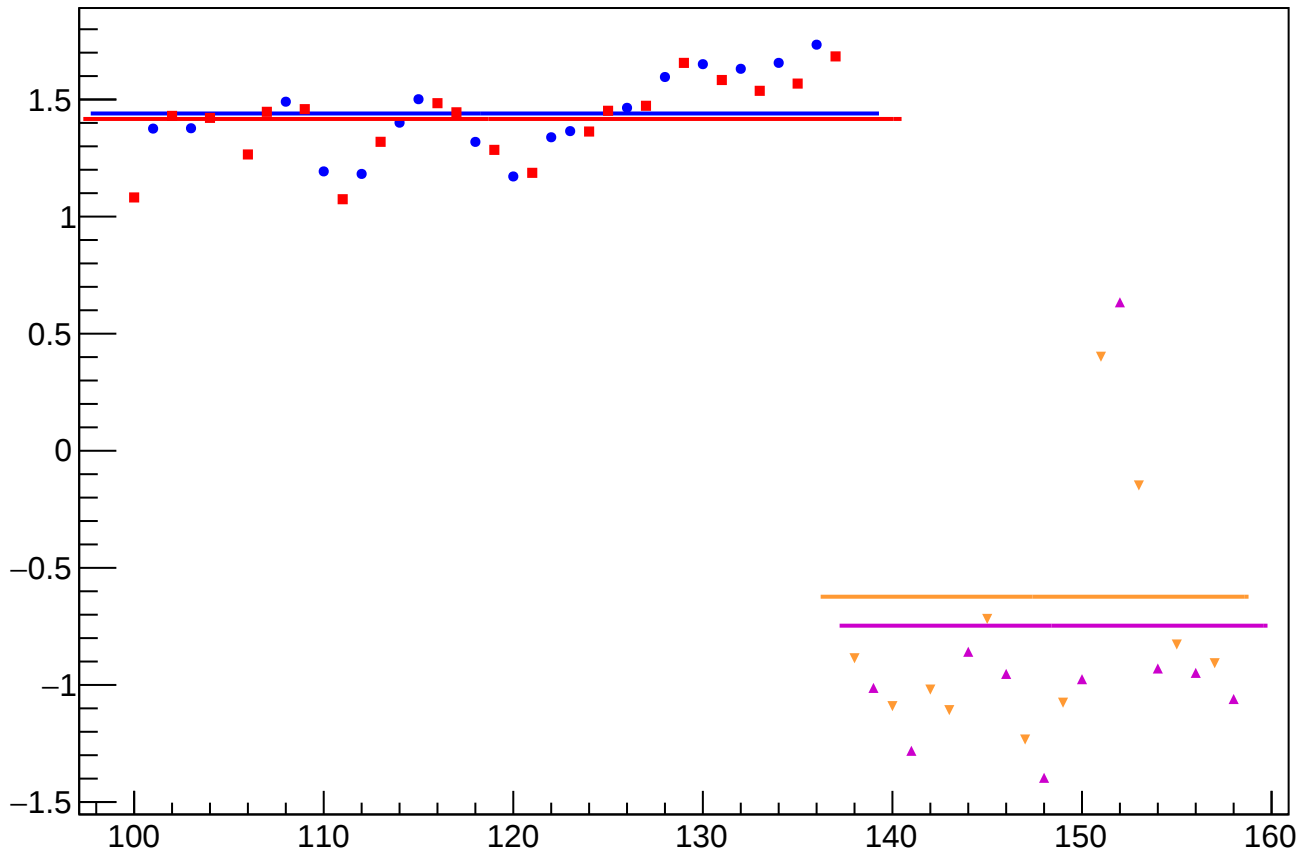
Right Out: 0.011+/-0.000 χ^2/NDF : 179537.7/19

Left In: 0.012+/-0.000 χ^2/NDF : 893858.9/9

0.011+/-0.000 χ^2/NDF : 1035204.0/27

0.011+/-0.000 χ^2/NDF : 1168357.9/29

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.623 $\pm$ 0.000 χ^2 /NDF: 28327393205.9/10

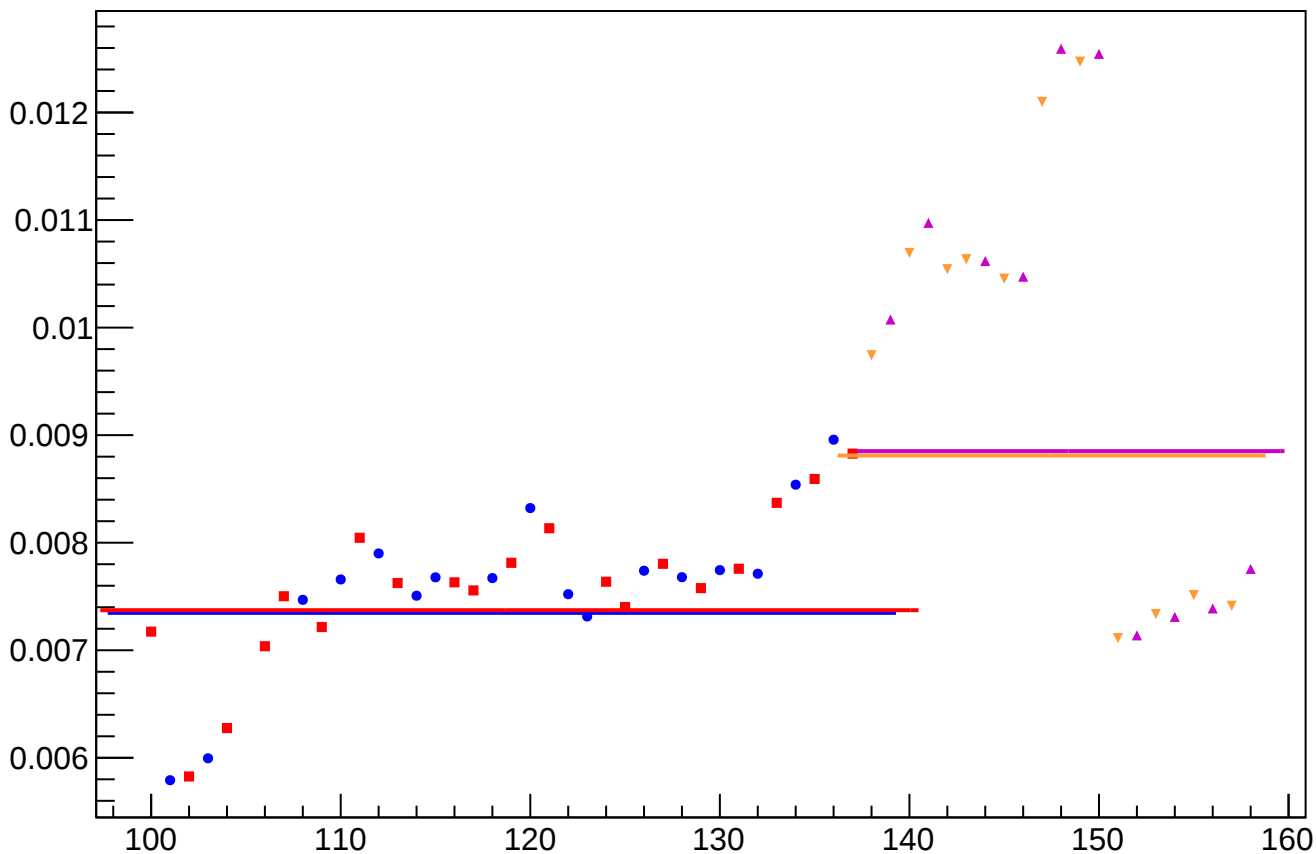
Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674679406.4/19

Left In: -0.747 $\pm$ 0.000 χ^2 /NDF: 38651145831.2/9

0.511 $\pm$ 0.000 χ^2 /NDF: 265787110586.4/27

0.482 $\pm$ 0.000 χ^2 /NDF: 304134223423.9/29

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 : 670825.7/10

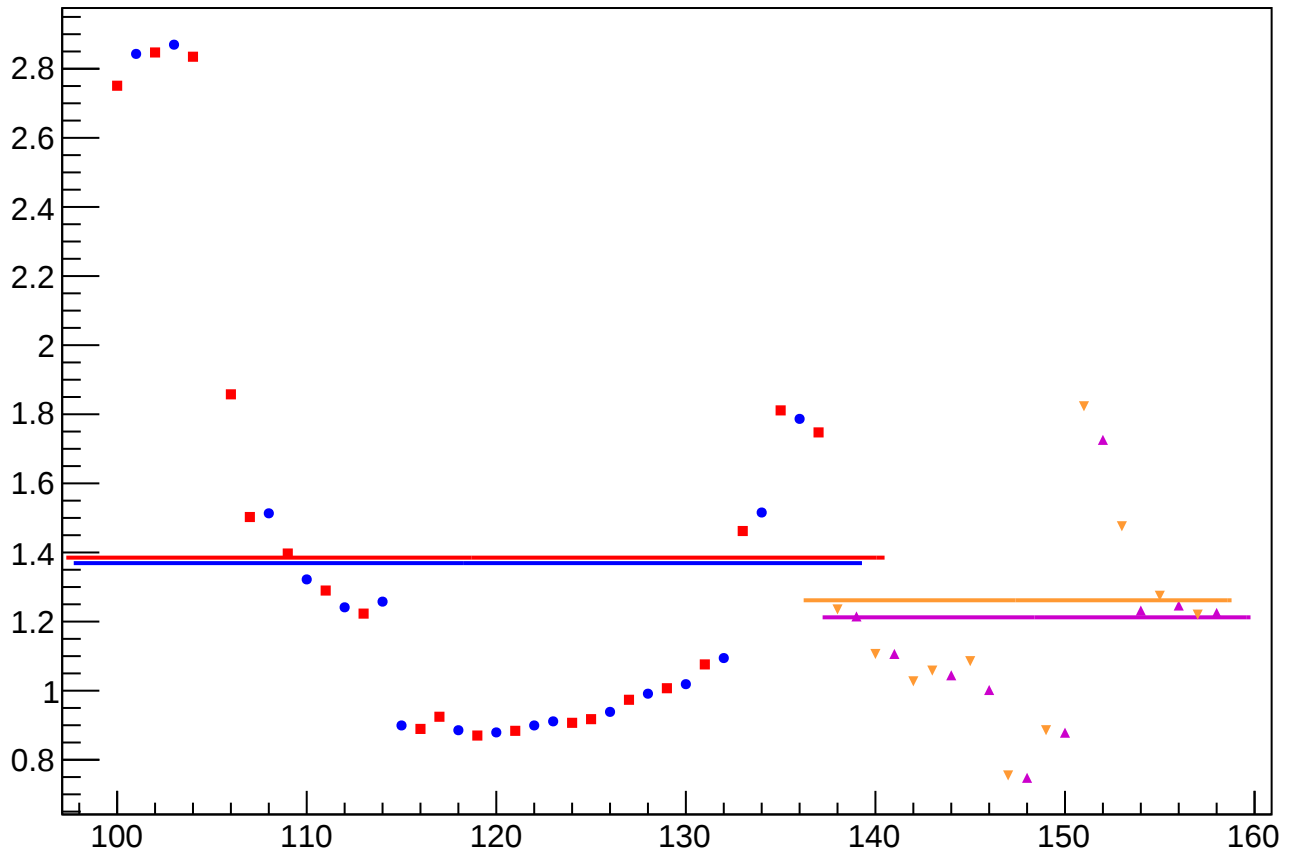
Right Out: 0.007+/-0.000 χ^2/NDF : 172741.0/19

Left In: 0.009+/-0.000 χ^2/NDF : 723399.0/9

0.008+/-0.000 χ^2/NDF : 1134207.1/27

0.008+/-0.000 χ^2/NDF : 1141789.6/29

yield_bpm1i04X_mean vs Slug



Right In: 1.369+/-0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.262+/-0.000 χ^2/NDF : 8721843705.6/10

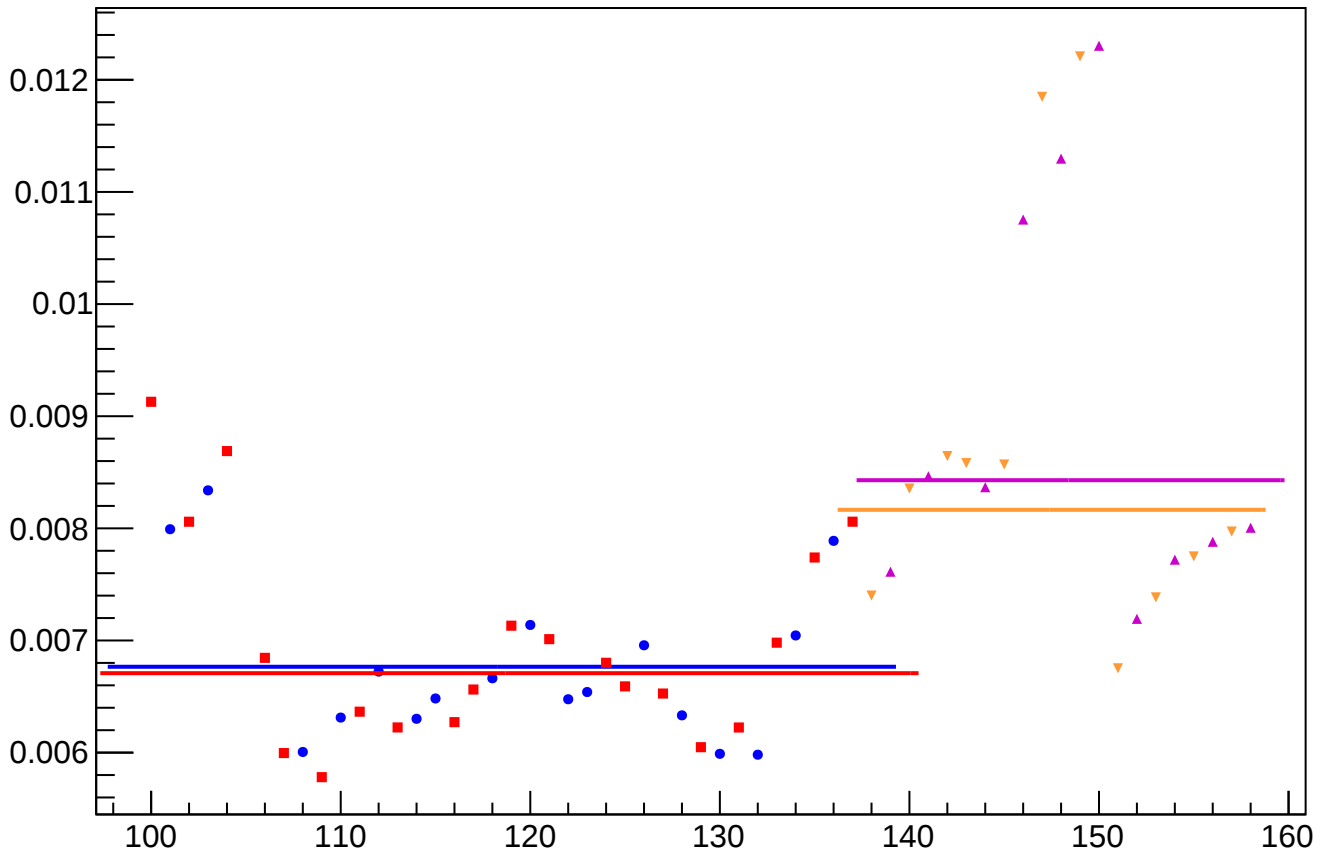
1.322+/-0.000 χ^2/NDF : 63663119405.3/27

Right Out: 1.385+/-0.000 χ^2/NDF : 50114562617.6/19

1.315+/-0.000 χ^2/NDF : 58840579170.5/29

Left In: 1.212+/-0.000 χ^2/NDF : 6821298659.0/9

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 159554.9/16

Left Out: 0.008+/-0.000 χ^2/NDF : 405234.8/10

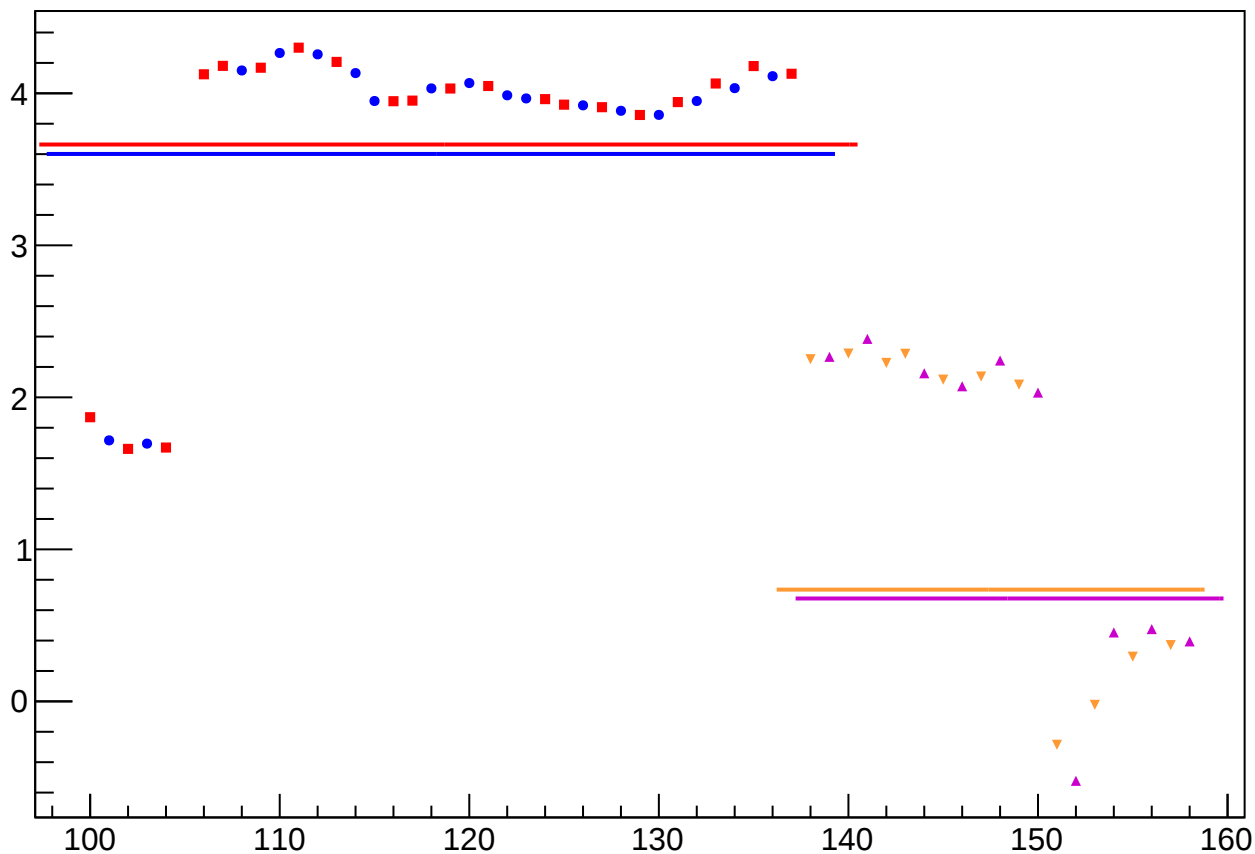
Right Out: 0.007+/-0.000 χ^2/NDF : 187869.7/19

Left In: 0.008+/-0.000 χ^2/NDF : 412850.1/9

0.007+/-0.000 χ^2/NDF : 813917.9/27

0.007+/-0.000 χ^2/NDF : 978745.2/29

yield_bpm1i04Y_mean vs Slug



Right In: 3.601+/-0.000 χ^2/NDF : 185806937655.3/16

Left Out: 0.735+/-0.000 χ^2/NDF : 244666972148.5/10

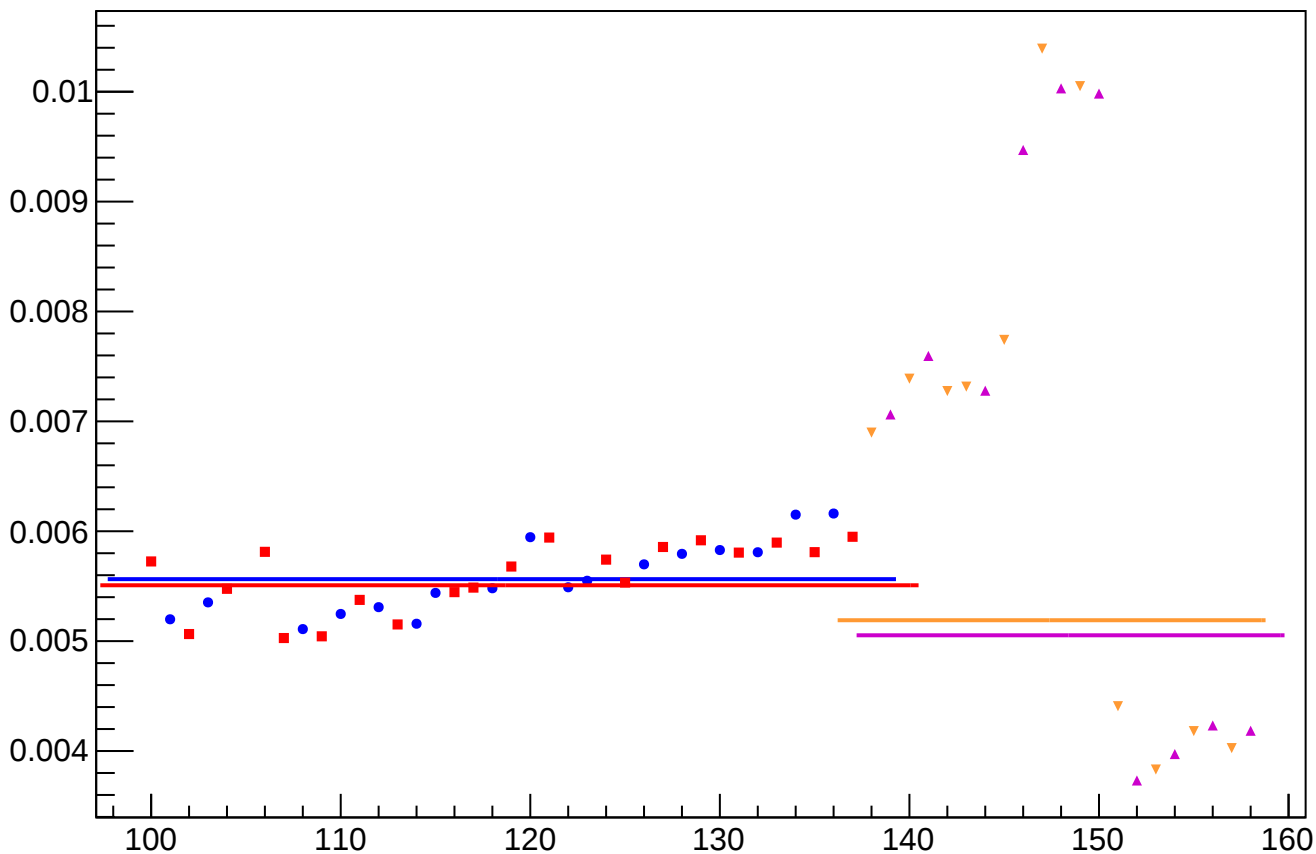
Right Out: 3.663+/-0.000 χ^2/NDF : 192640409625.9/19

Left In: 0.677+/-0.000 χ^2/NDF : 249152589086.0/9

2.056+/-0.000 χ^2/NDF : 1386481542058.2/27

2.066+/-0.000 χ^2/NDF : 1542458757875.6/29

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 : 1692265.1/10

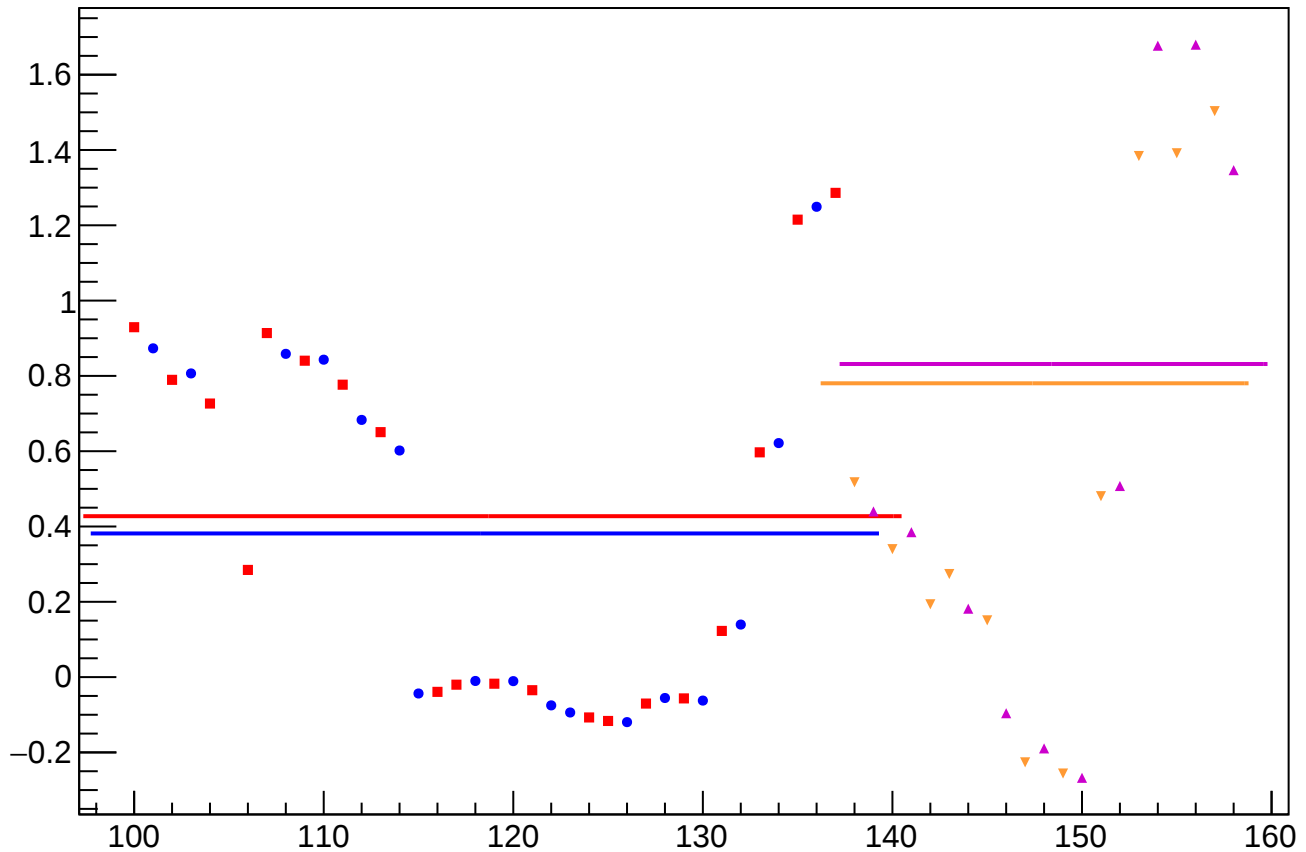
Right Out: 0.006+/-0.000 χ^2/NDF : 52636.1/19

Left In: 0.005+/-0.000 χ^2/NDF : 1943933.6/9

0.005+/-0.000 χ^2/NDF : 1772400.8/27

0.005+/-0.000 χ^2/NDF : 2047722.8/29

yield_bpm1i06X_mean vs Slug



Right In: 0.382+/-0.000 χ^2/NDF : 7124759123.1/16

Left Out: 0.780+/-0.000 χ^2/NDF : 18314074759.4/10

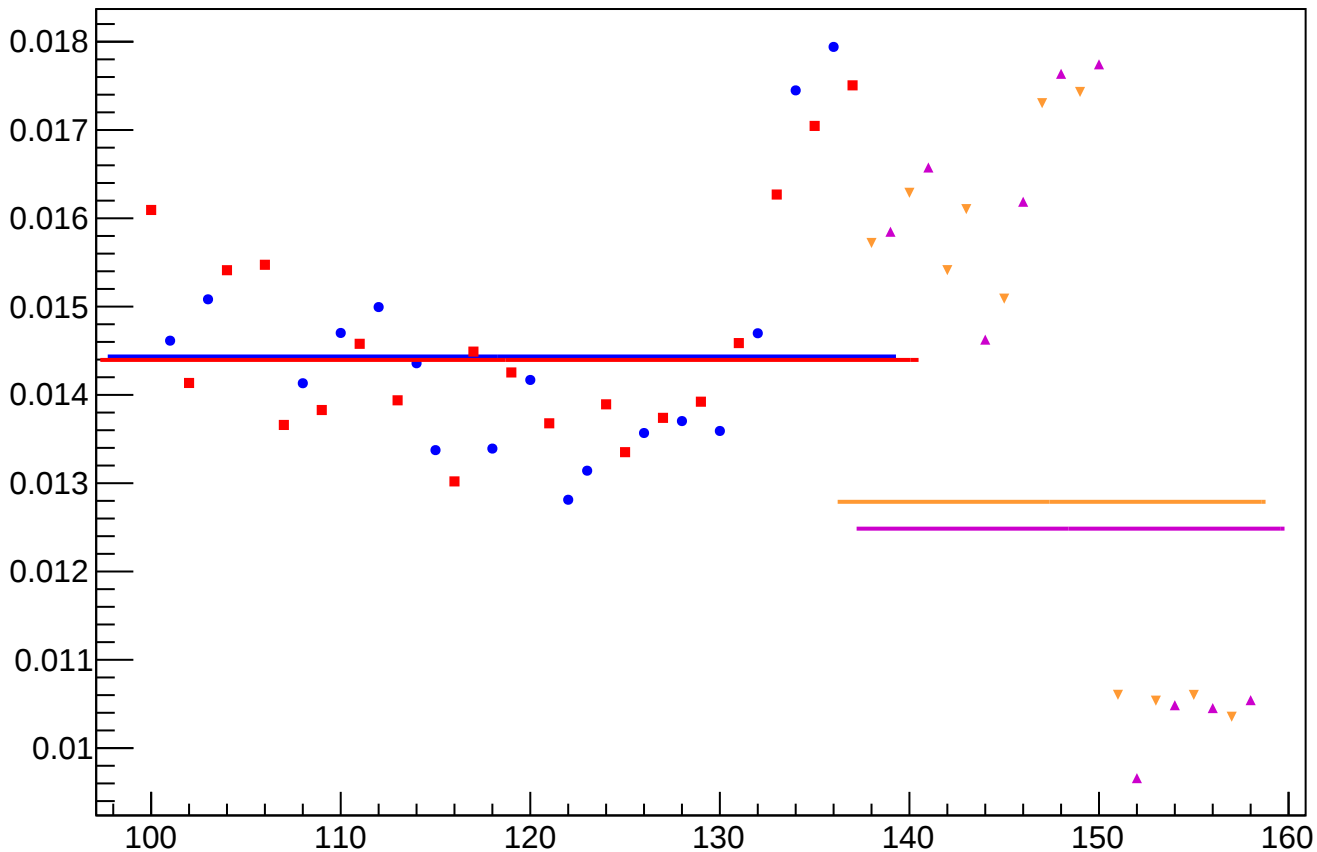
Right Out: 0.427+/-0.000 χ^2/NDF : 6716521382.4/19

Left In: 0.832+/-0.000 χ^2/NDF : 24618248452.4/9

0.619+/-0.000 χ^2/NDF : 28445868804.6/27

0.666+/-0.000 χ^2/NDF : 34591711518.4/29

yield_bpm1i06X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 110224.4/16

Left Out: 0.013+/-0.000 χ^2/NDF : 743131.9/10

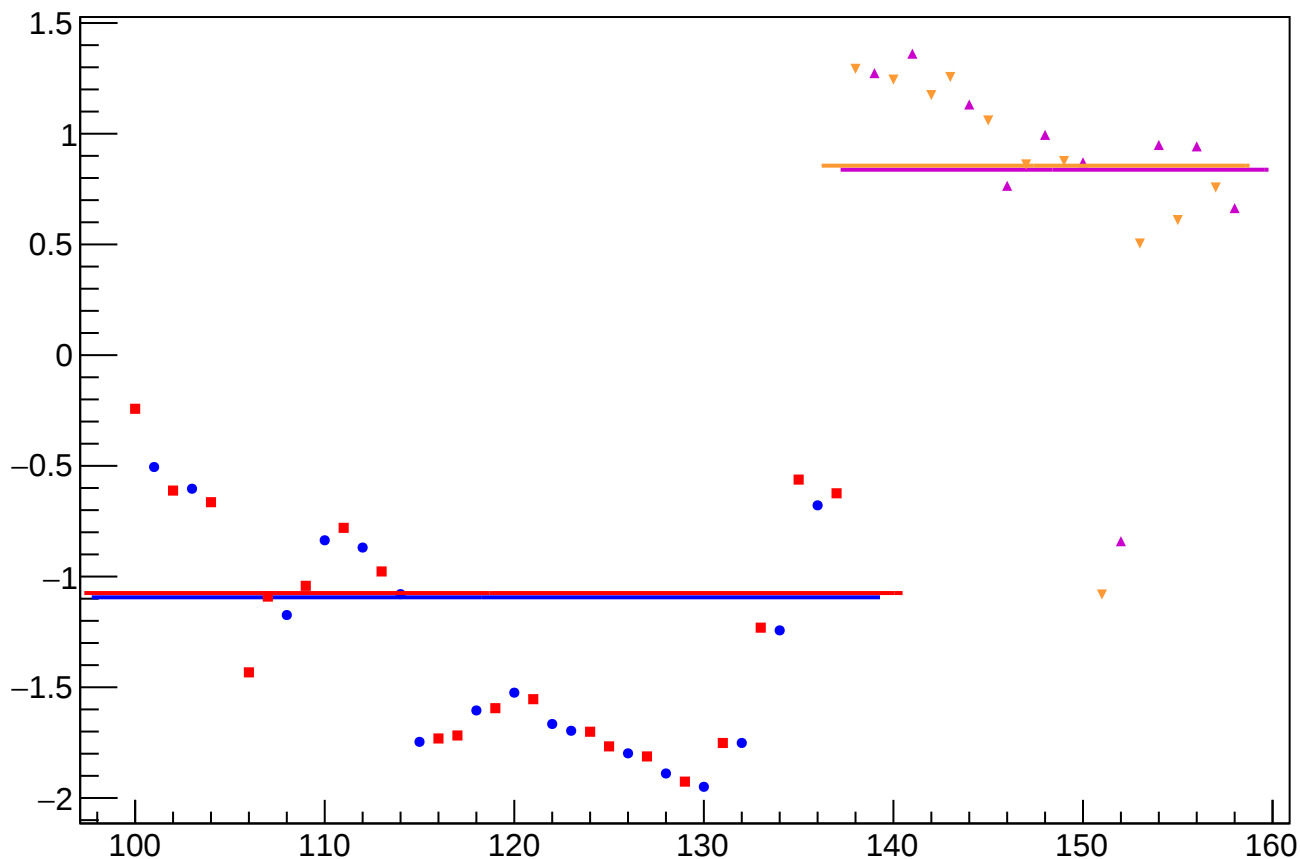
Right Out: 0.014+/-0.000 χ^2/NDF : 74535.1/19

Left In: 0.012+/-0.000 χ^2/NDF : 882281.0/9

0.013+/-0.000 χ^2/NDF : 955756.4/27

0.013+/-0.000 χ^2/NDF : 1102414.7/29

yield_bpm1i06Y_mean vs Slug



Right In: -1.094+/-0.000 χ^2/NDF : 55960104370.4/16

Left Out: 0.856+/-0.000 χ^2/NDF : 120720036970.9/10

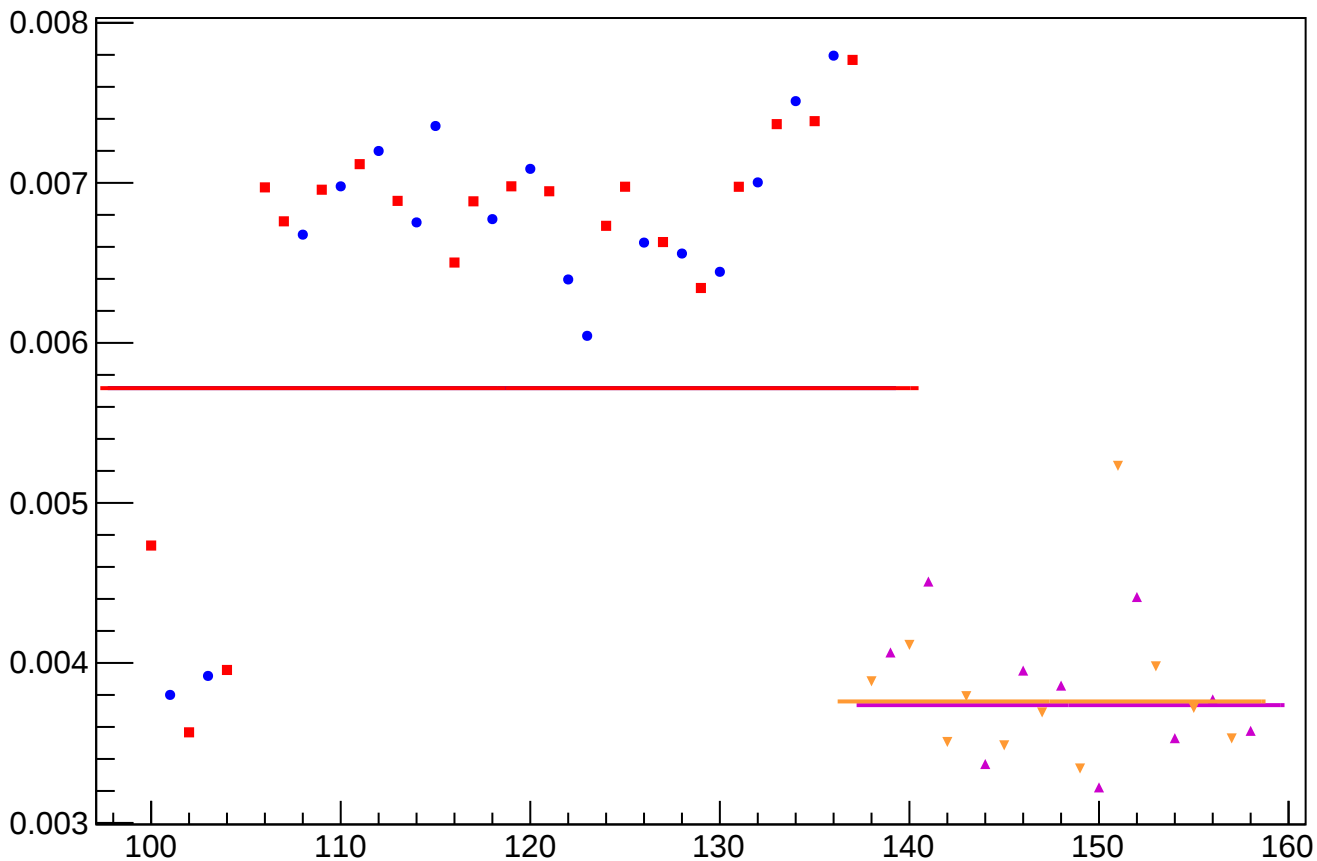
Right Out: -1.074+/-0.000 χ^2/NDF : 47208439320.8/19

Left In: 0.837+/-0.000 χ^2/NDF : 140862504469.0/9

0.340+/-0.000 χ^2/NDF : 684390138144.6/27

0.321+/-0.000 χ^2/NDF : 694127683812.2/29

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 837775.0/16

Left Out: 0.004+/-0.000 χ^2/NDF :153234.6/10

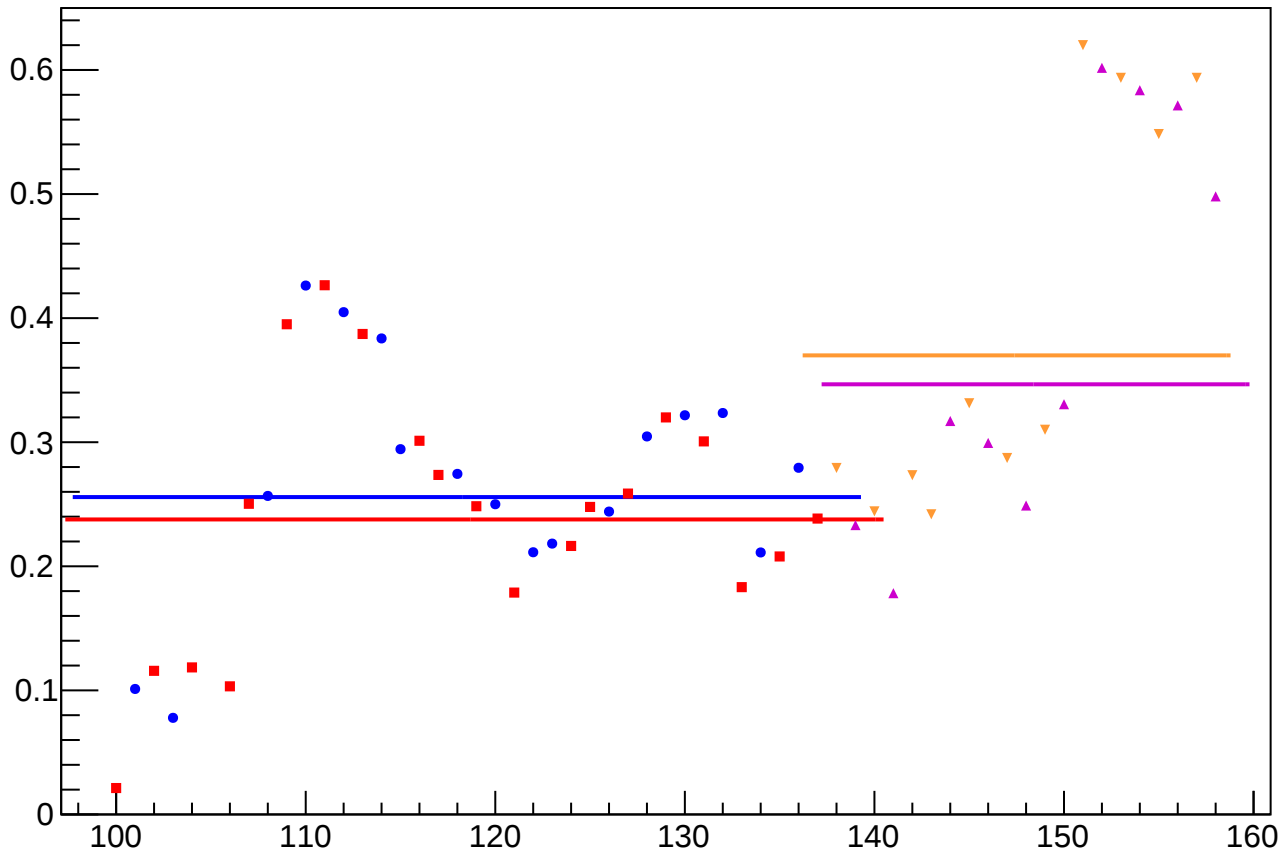
Right Out: 0.006+/-0.000 χ^2/NDF : 925957.4/19

Left In: 0.004+/-0.000 χ^2/NDF :161707.4/9

0.004+/-0.000 χ^2/NDF : 2015533.3/27

0.004+/-0.000 χ^2/NDF : 2174026.3/29

yield_bpm2i01X_mean vs Slug



Right In: 0.256 ± 0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.370 ± 0.000 χ^2/NDF : 50562906344.8/10

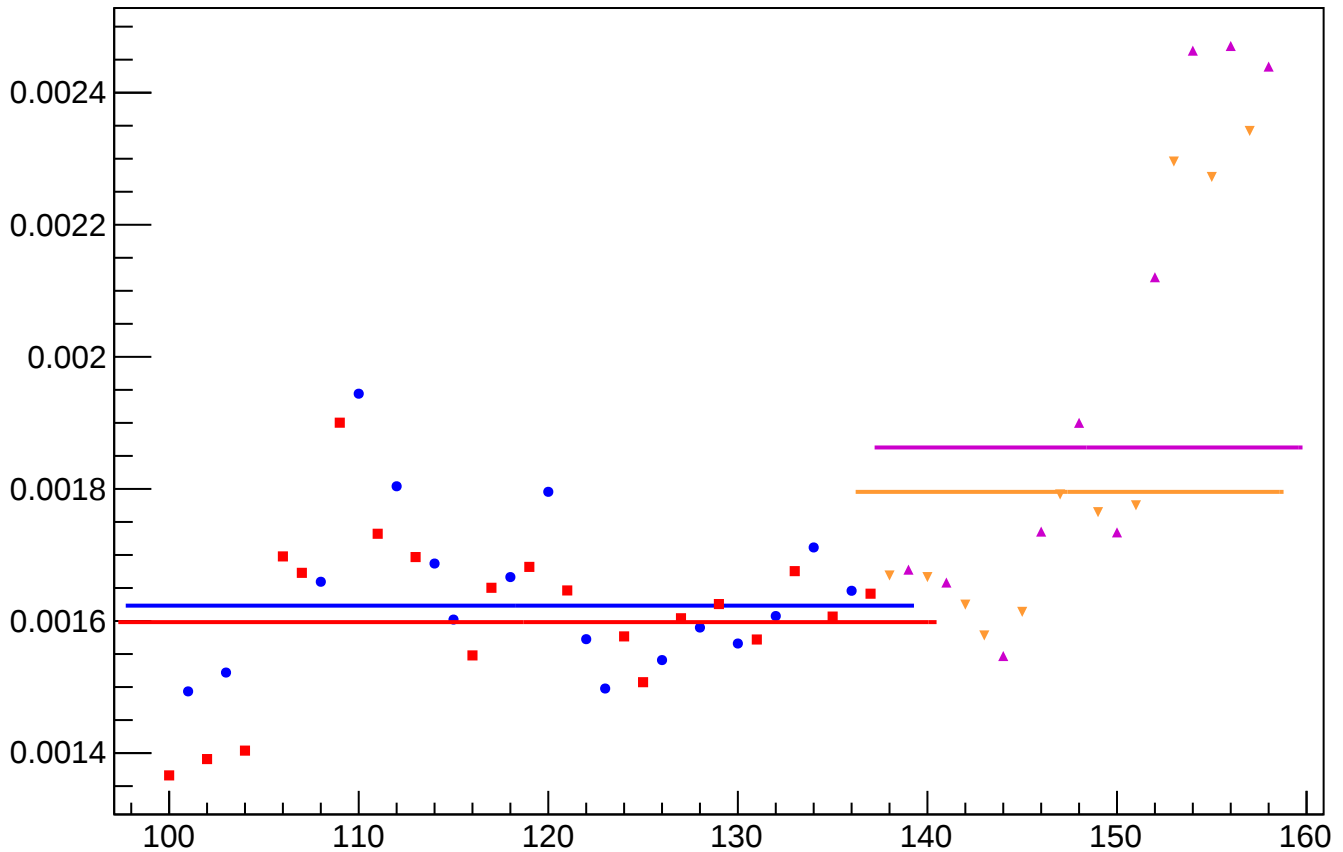
Right Out: 0.238 ± 0.000 χ^2/NDF : 26077768189.7/19

Left In: 0.347 ± 0.000 χ^2/NDF : 43337158182.6/9

0.313 ± 0.000 χ^2/NDF : 87881415202.0/27

0.287 ± 0.000 χ^2/NDF : 83983877540.7/29

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 : 298710.2/10

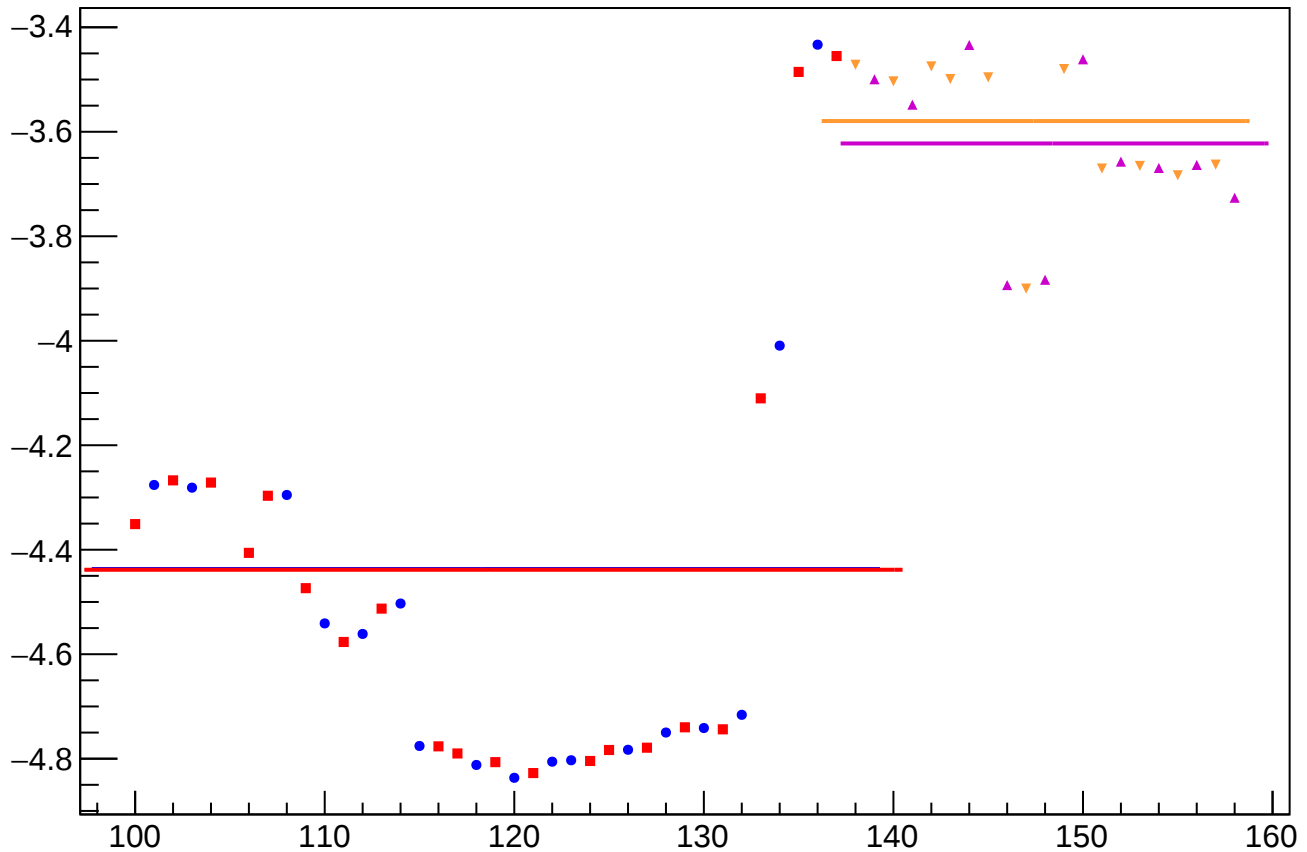
Right Out: 0.002+/-0.000 χ^2/NDF : 90764.4/19

Left In: 0.002+/-0.000 χ^2/NDF : 436237.0/9

0.002+/-0.000 χ^2/NDF : 423789.5/27

0.002+/-0.000 χ^2/NDF : 698764.1/29

yield_bpm2i01Y_mean vs Slug



Right In: -4.437+/-0.000 χ^2 /NDF: 392812415429.0/16

Left Out: -3.579+/-0.000 χ^2 /NDF: 28463756435.5/10

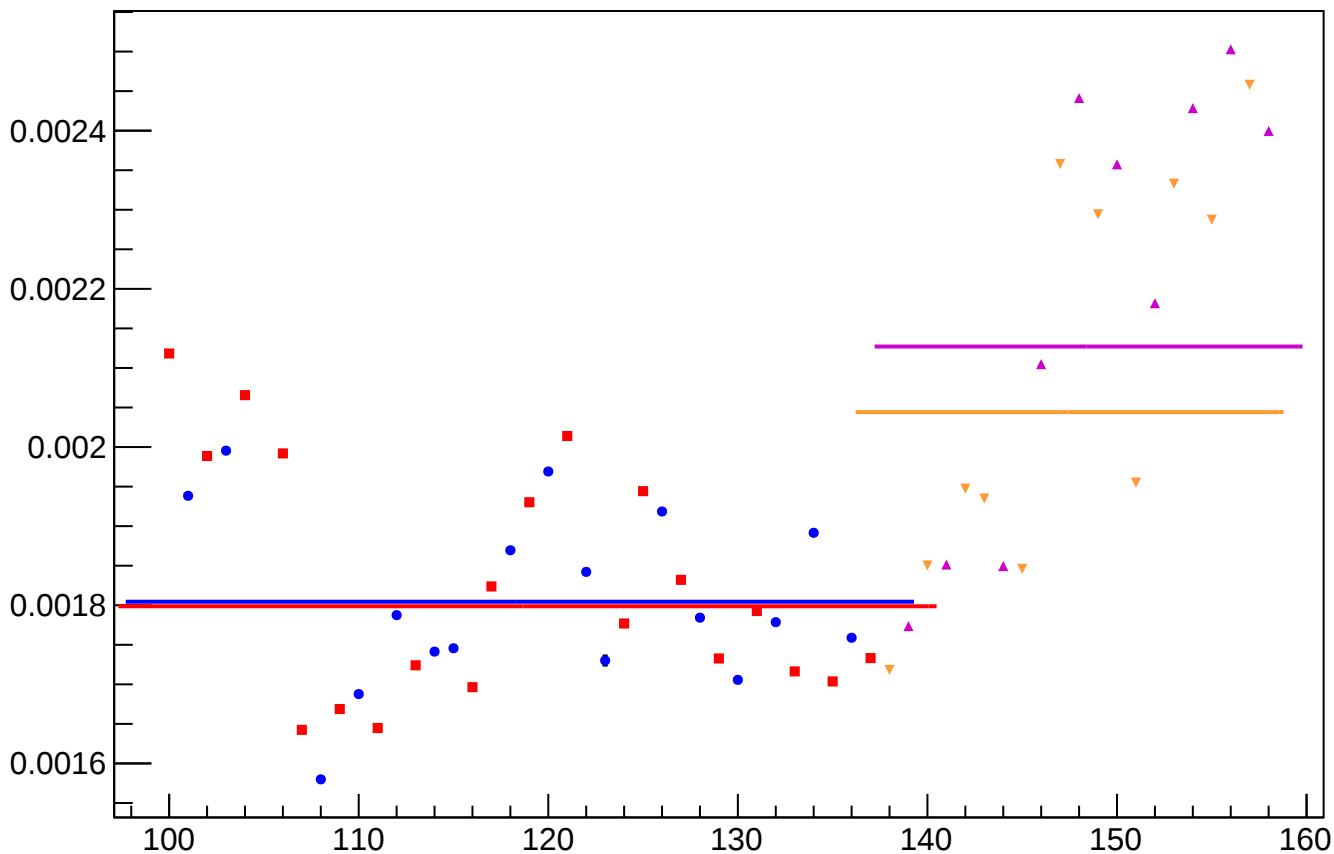
-4.023+/-0.000 χ^2 /NDF: 1130685521868.7/27

Right Out: -4.438+/-0.000 χ^2 /NDF: 326800745779.7/19

-4.073+/-0.000 χ^2 /NDF: 1004644655126.6/29

Left In: -3.622+/-0.000 χ^2 /NDF: 41284578303.8/9

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 :223104.8/10

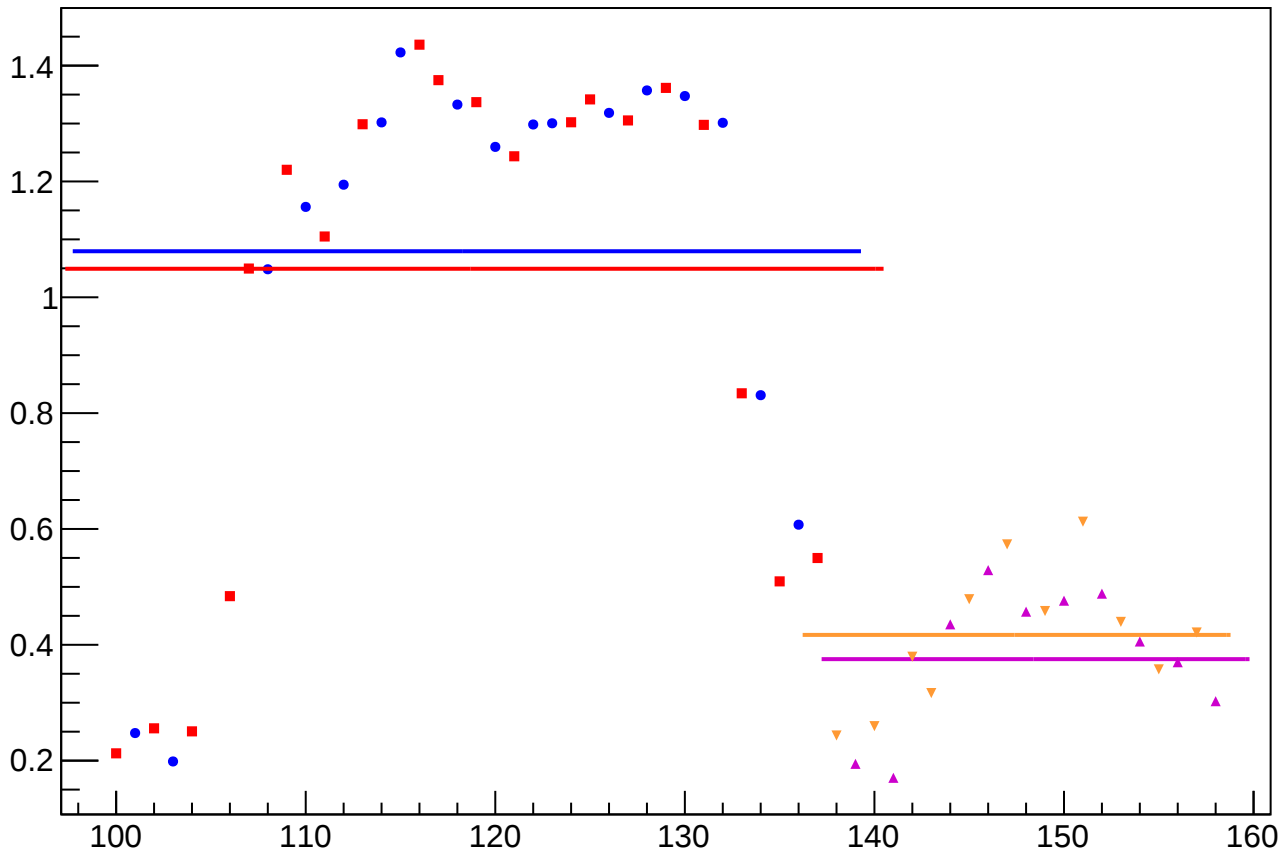
Right Out: 0.002+/-0.000 χ^2/NDF : 81037.5/19

Left In: 0.002+/-0.000 χ^2/NDF :251870.6/9

0.002+/-0.000 χ^2/NDF : 383092.0/27

0.002+/-0.000 χ^2/NDF : 539144.4/29

yield_bpm2i02X_mean vs Slug



Right In: 1.080 ± 0.000 χ^2/NDF : 17533321220.5/16

Left Out: 0.417 ± 0.000 χ^2/NDF : 1161513699.9/10

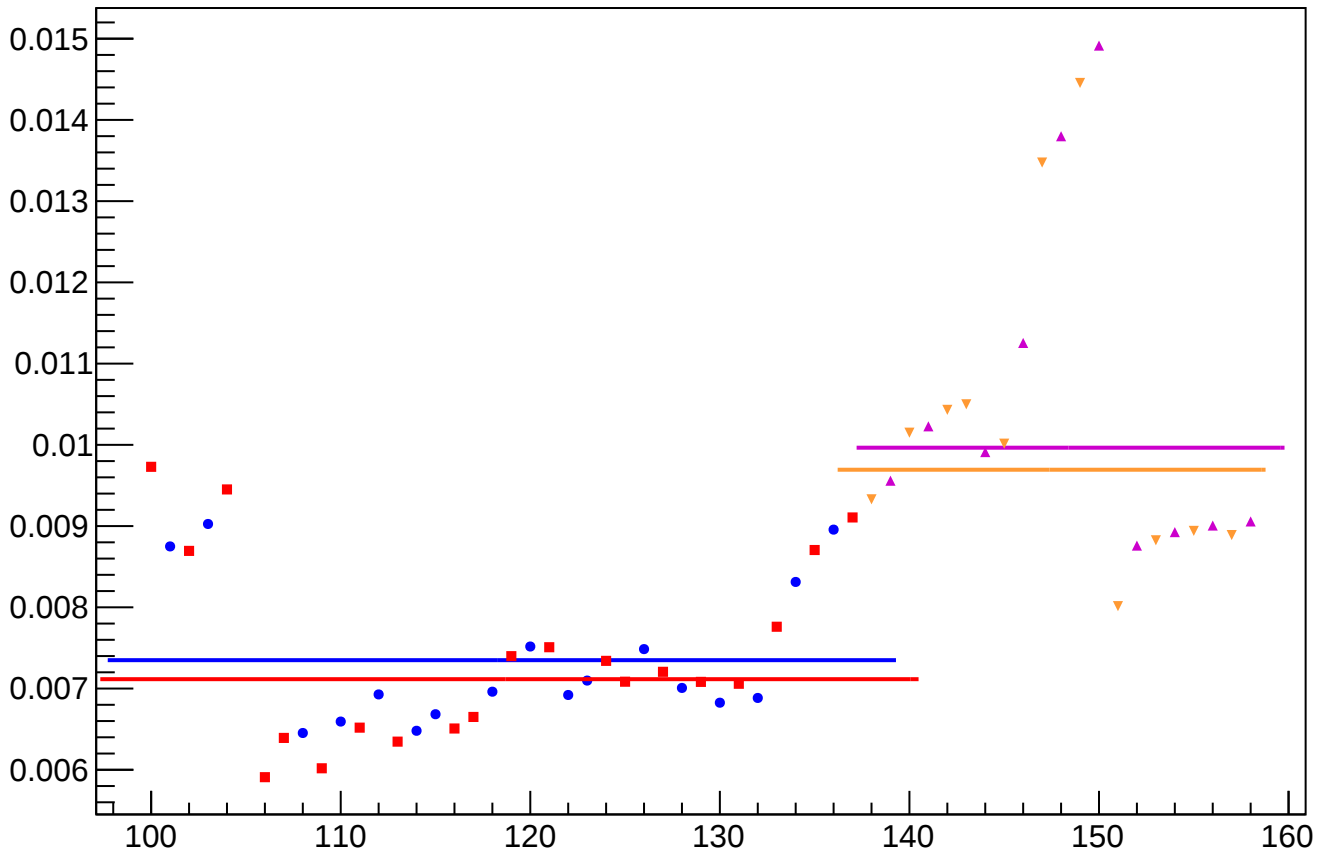
Right Out: 1.049 ± 0.000 χ^2/NDF : 19787986428.4/19

Left In: 0.375 ± 0.000 χ^2/NDF : 1029175961.3/9

0.810 ± 0.000 χ^2/NDF : 40532322519.4/27

0.804 ± 0.000 χ^2/NDF : 43752909348.5/29

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 180818.7/16

Left Out: 0.010+/-0.000 χ^2/NDF : 423926.8/10

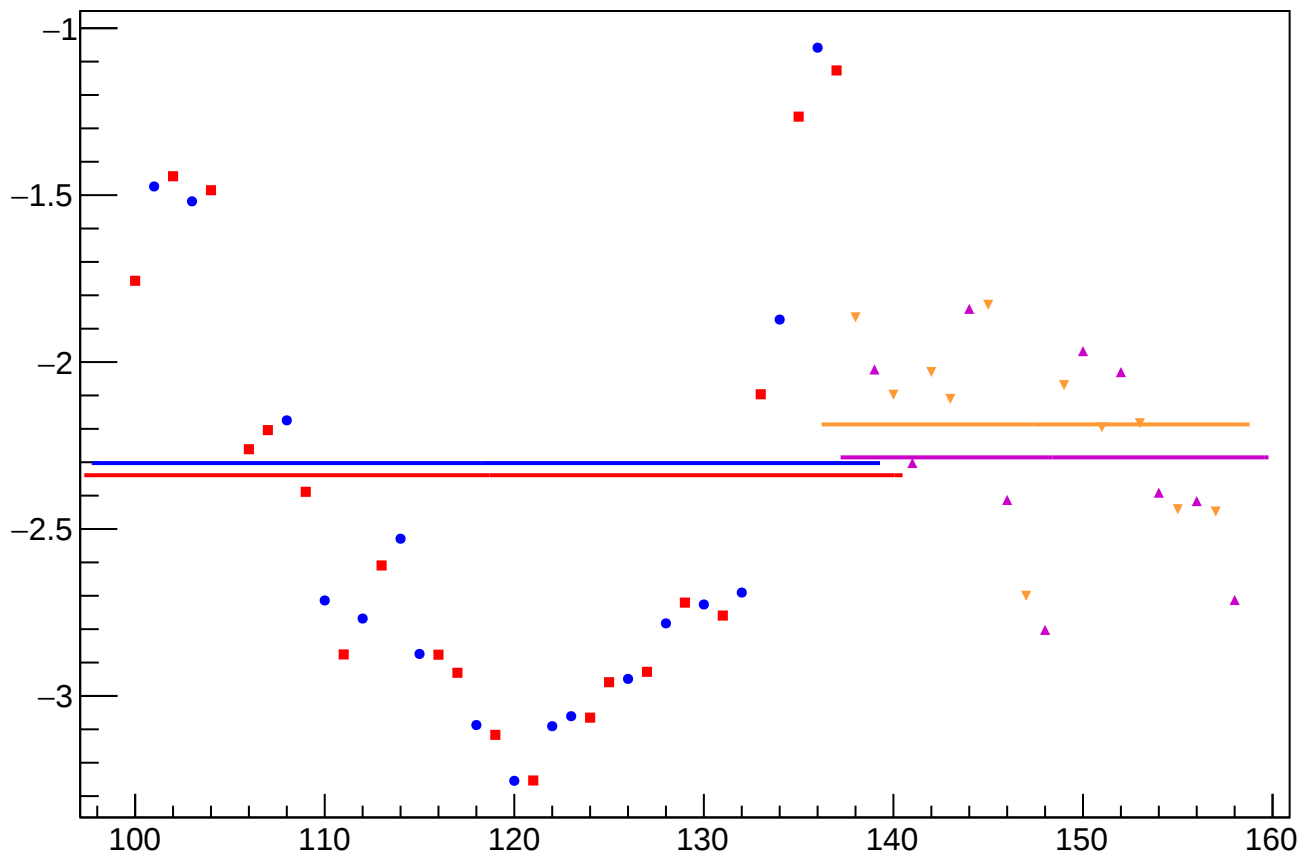
Right Out: 0.007+/-0.000 χ^2/NDF : 259539.3/19

Left In: 0.010+/-0.000 χ^2/NDF : 425996.4/9

0.008+/-0.000 χ^2/NDF : 1151785.7/27

0.008+/-0.000 χ^2/NDF : 1505402.2/29

yield_bpm2i02Y_mean vs Slug



Right In: -2.303+/-0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.187+/-0.000 χ^2/NDF : 5908478626.3/10

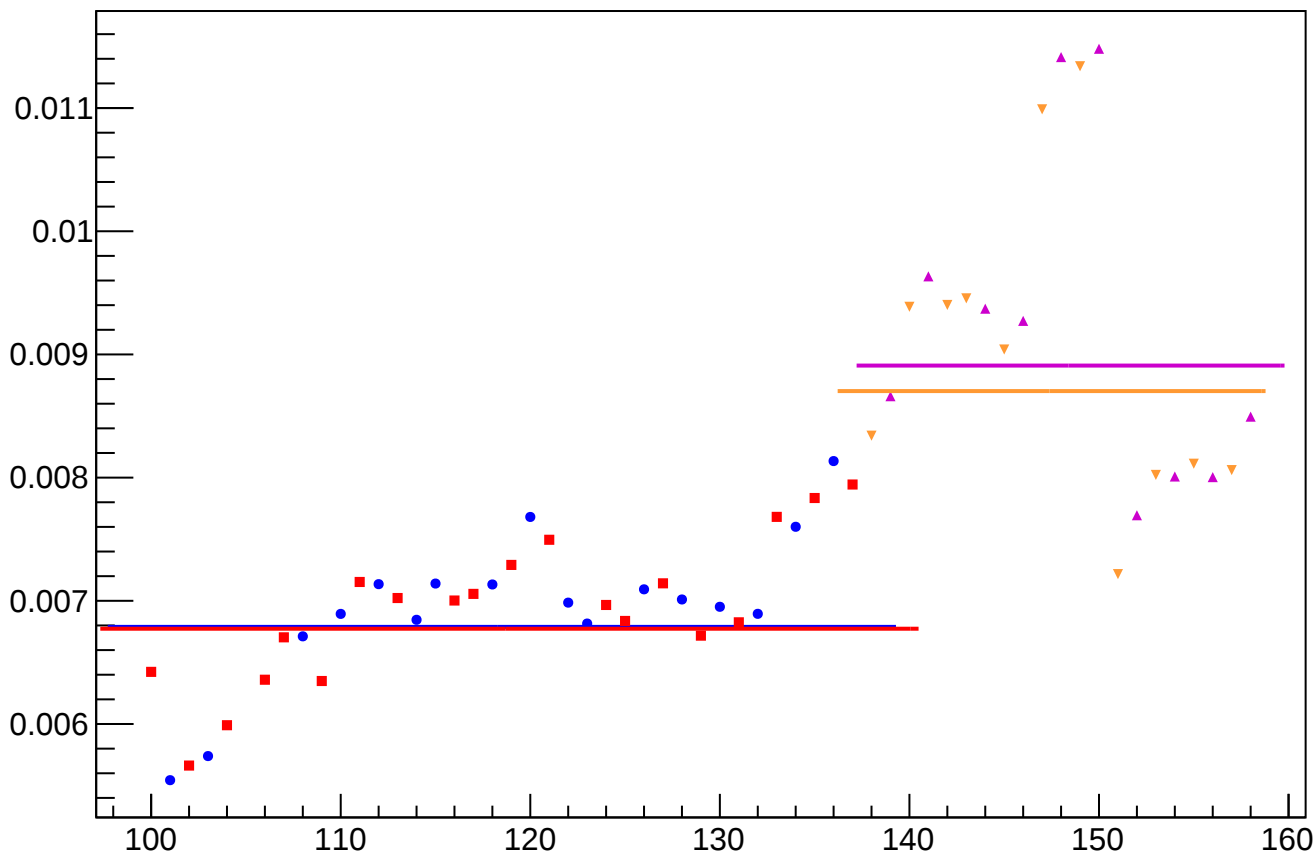
Right Out: -2.339+/-0.000 χ^2/NDF : 64804828308.5/19

Left In: -2.285+/-0.000 χ^2/NDF : 8364082340.2/9

-2.254+/-0.000 χ^2/NDF : 80482431196.5/27

-2.318+/-0.000 χ^2/NDF : 73343476425.4/29

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 165199.2/16

Left Out: 0.009+/-0.000 χ^2/NDF : 277627.3/10

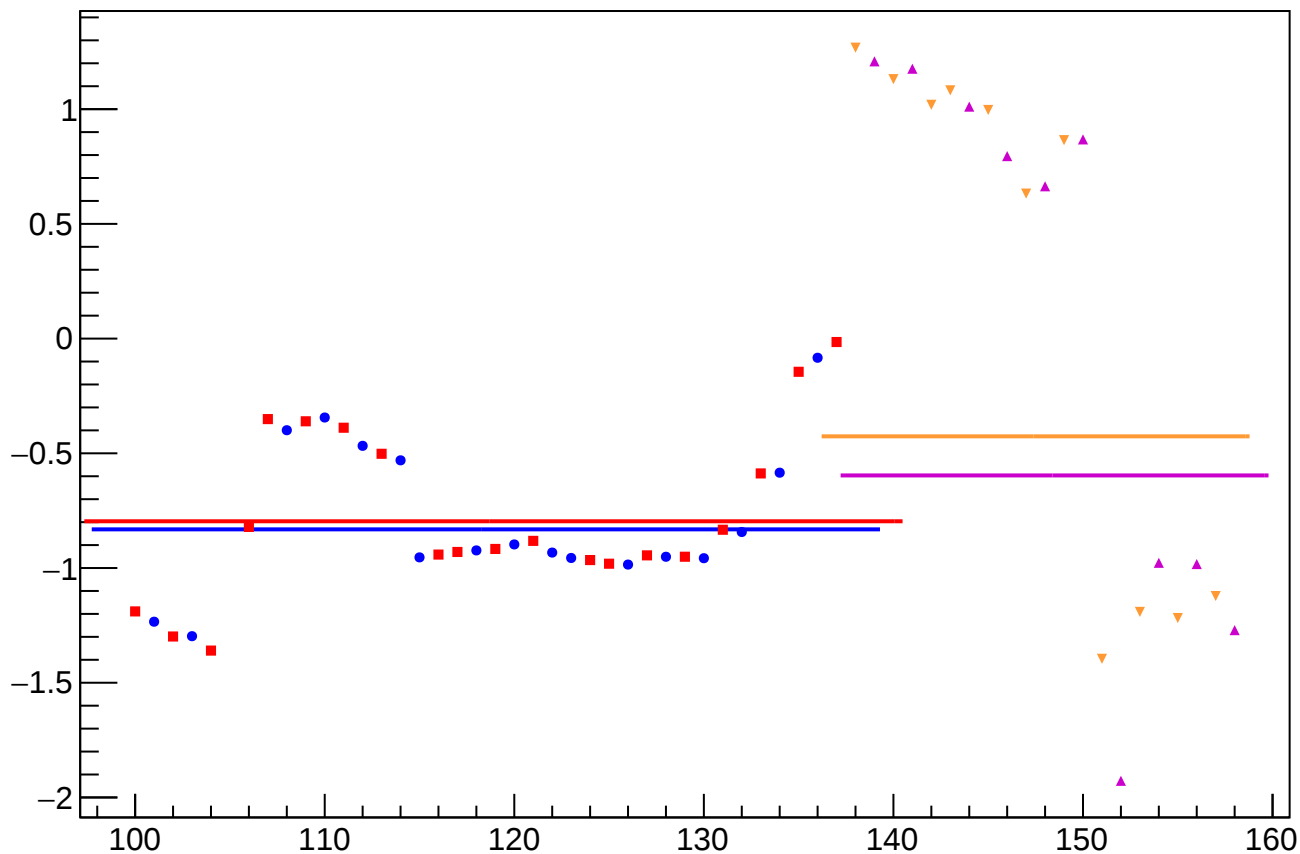
Right Out: 0.007+/-0.000 χ^2/NDF : 123383.6/19

Left In: 0.009+/-0.000 χ^2/NDF : 267421.7/9

0.008+/-0.000 χ^2/NDF : 889071.4/27

0.008+/-0.000 χ^2/NDF : 947365.8/29

yield_bpm0i01X_mean vs Slug



Right In: -0.831+/-0.000 χ^2/NDF : 6692170860.9/16

Left Out: -0.426+/-0.000 χ^2/NDF : 99667316572.9/10

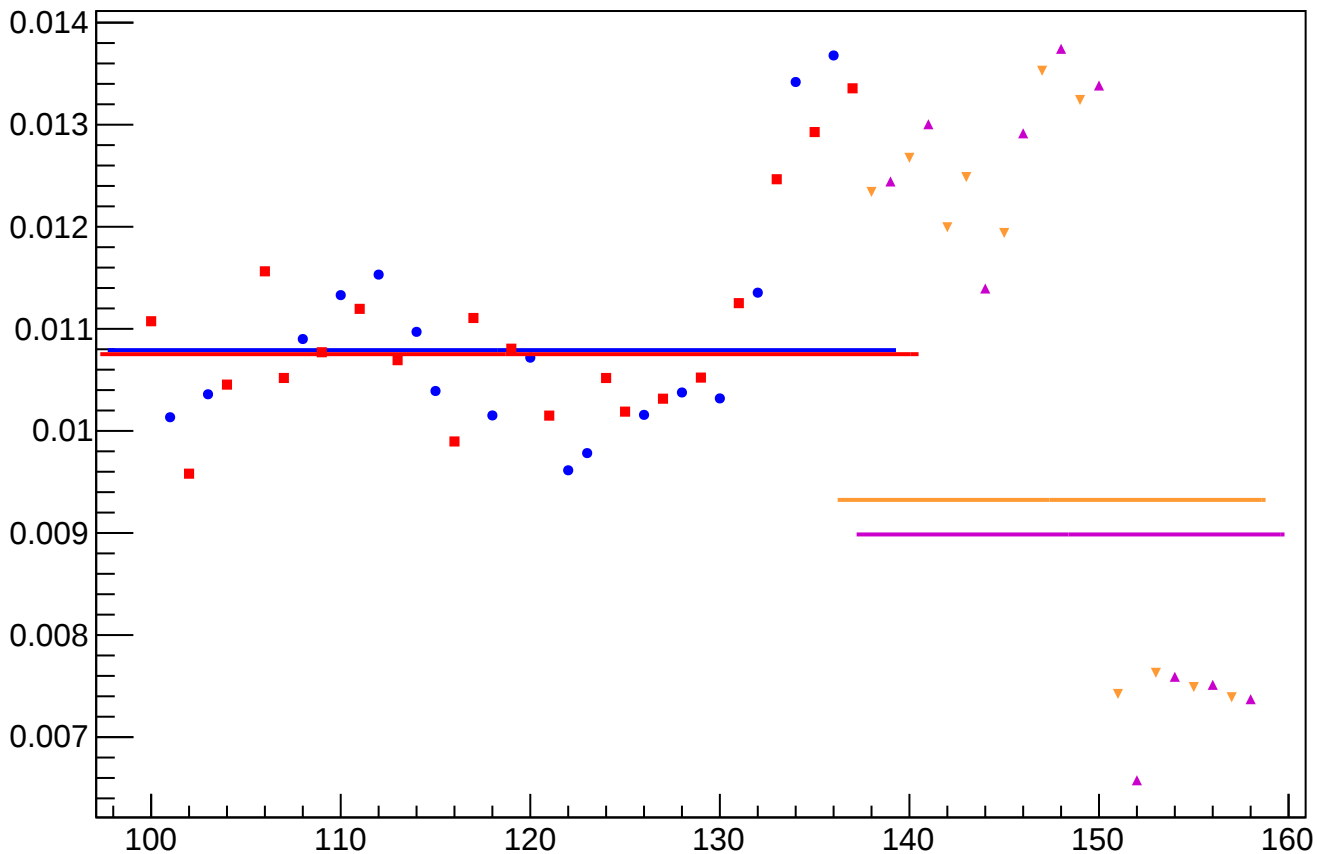
Right Out: -0.796+/-0.000 χ^2/NDF : 7827622544.3/19

Left In: -0.596+/-0.000 χ^2/NDF : 116096216547.8/9

-0.588+/-0.000 χ^2/NDF : 111937935059.5/27

-0.676+/-0.000 χ^2/NDF : 125366701977.9/29

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 125802.4/16

Left Out: 0.009+/-0.000 χ^2/NDF : 1047762.4/10

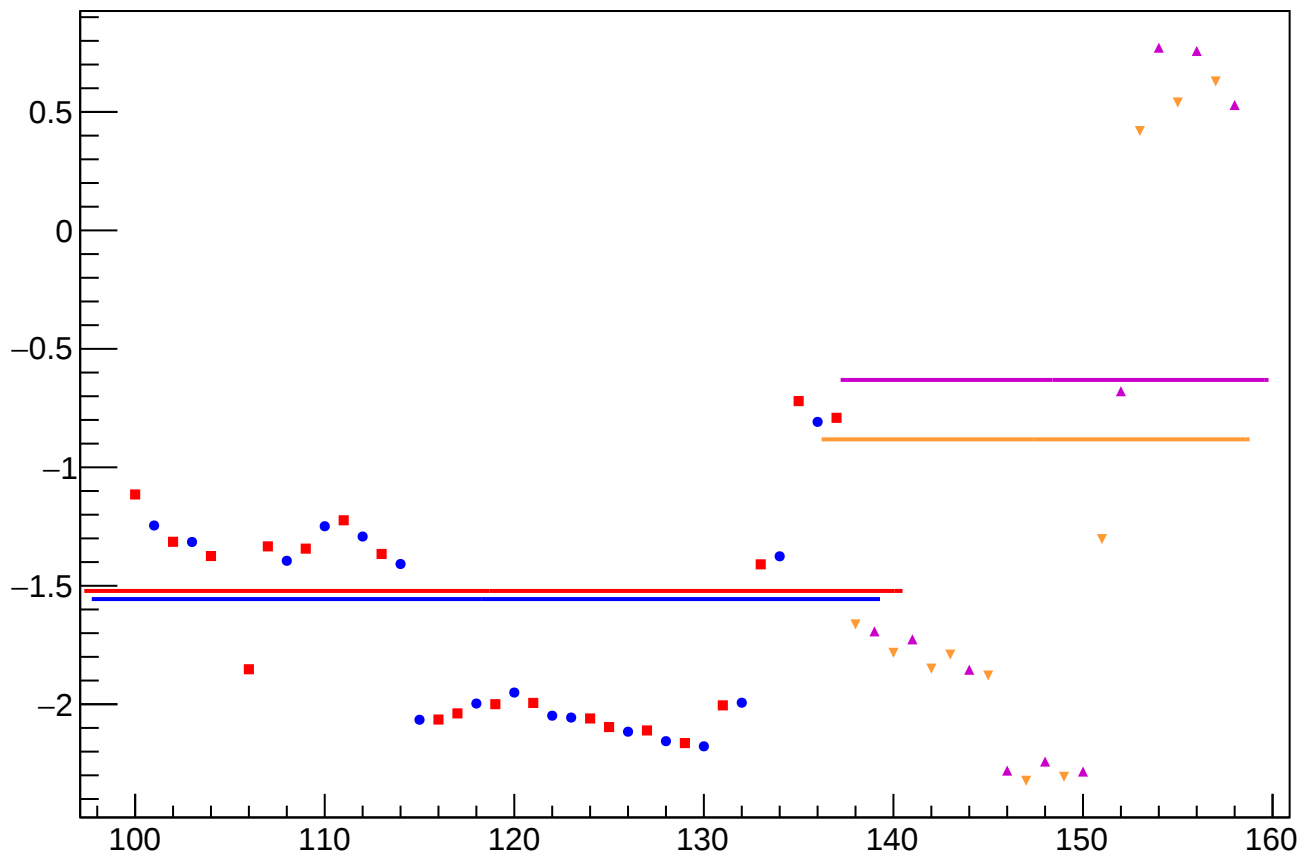
Right Out: 0.011+/-0.000 χ^2/NDF : 90303.3/19

Left In: 0.009+/-0.000 χ^2/NDF : 1259796.8/9

0.010+/-0.000 χ^2/NDF : 1319701.5/27

0.010+/-0.000 χ^2/NDF : 1575516.0/29

yield_bpm0i01Y_mean vs Slug



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: -0.882+/-0.000 χ^2/NDF : 1055233990692.6/10

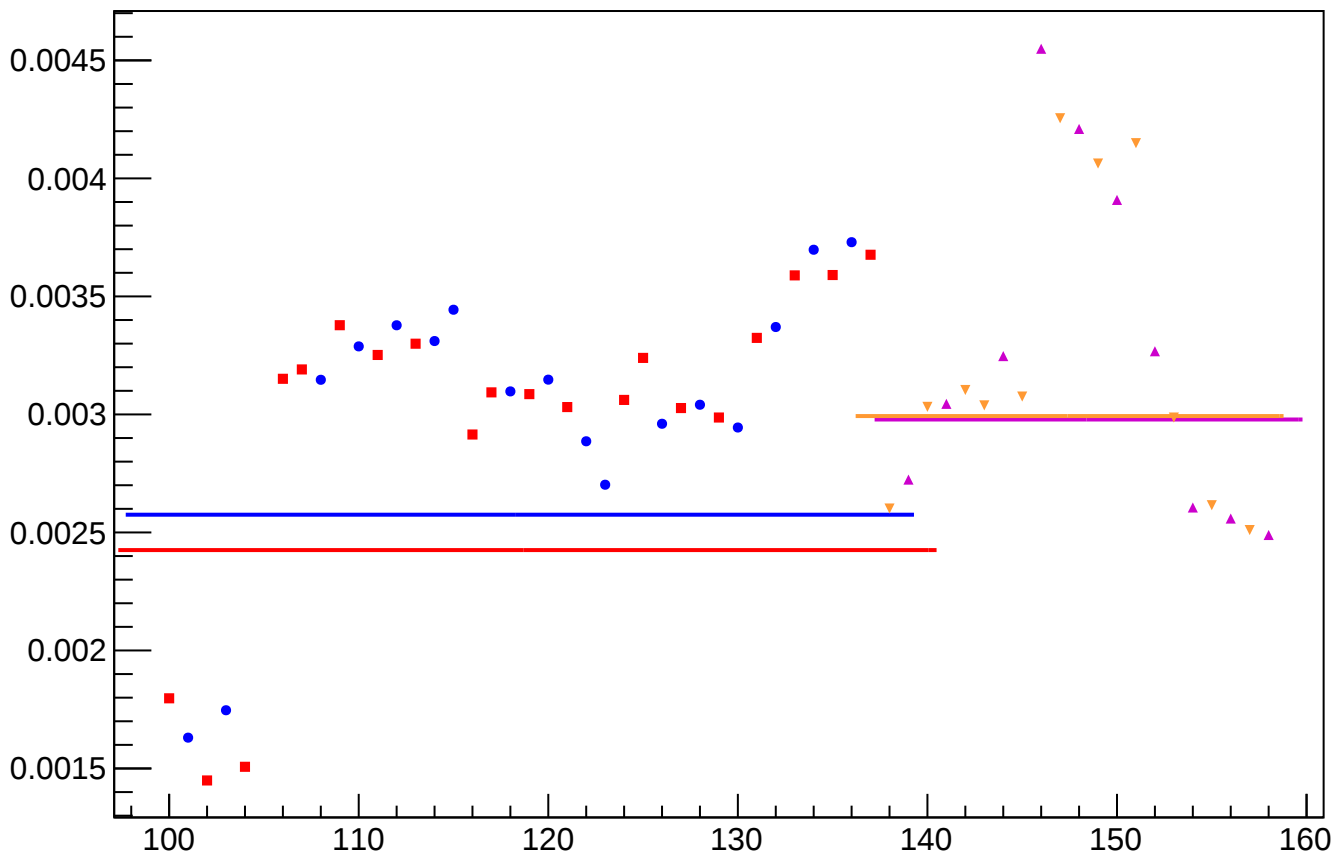
Right Out: -1.522+/-0.000 χ^2/NDF : 139385229659.4/19

Left In: -0.631+/-0.000 χ^2/NDF : 1194636022087.3/9

-1.237+/-0.000 χ^2/NDF : 1393979875662.2/27

-1.127+/-0.000 χ^2/NDF : 1675084903383.4/29

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 : 396599.0/10

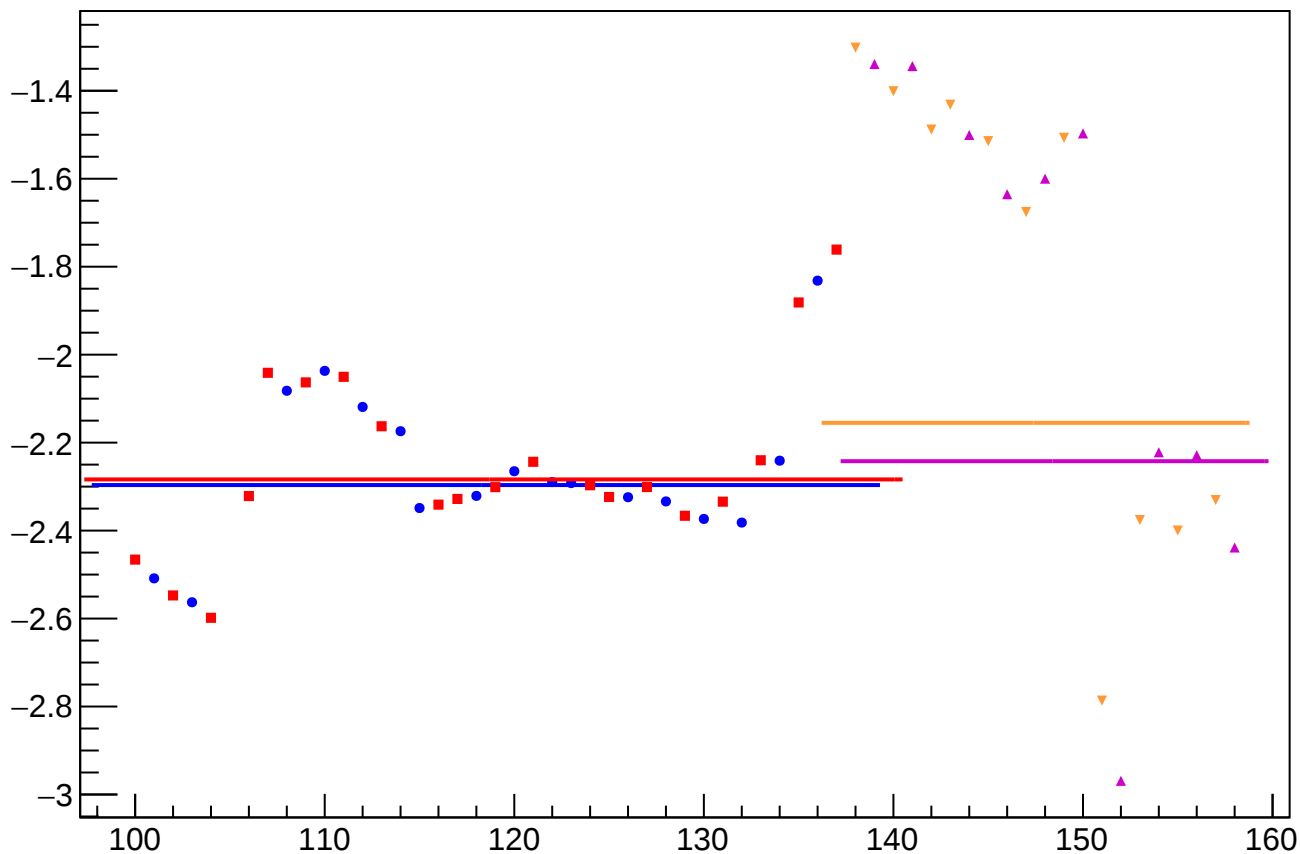
Right Out: 0.002+/-0.000 χ^2/NDF : 1493210.7/19

Left In: 0.003+/-0.000 χ^2/NDF : 471027.8/9

0.003+/-0.000 χ^2/NDF : 1551647.1/27

0.003+/-0.000 χ^2/NDF : 2227377.5/29

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -2.155+/-0.000 χ^2/NDF :48657648130.4/10

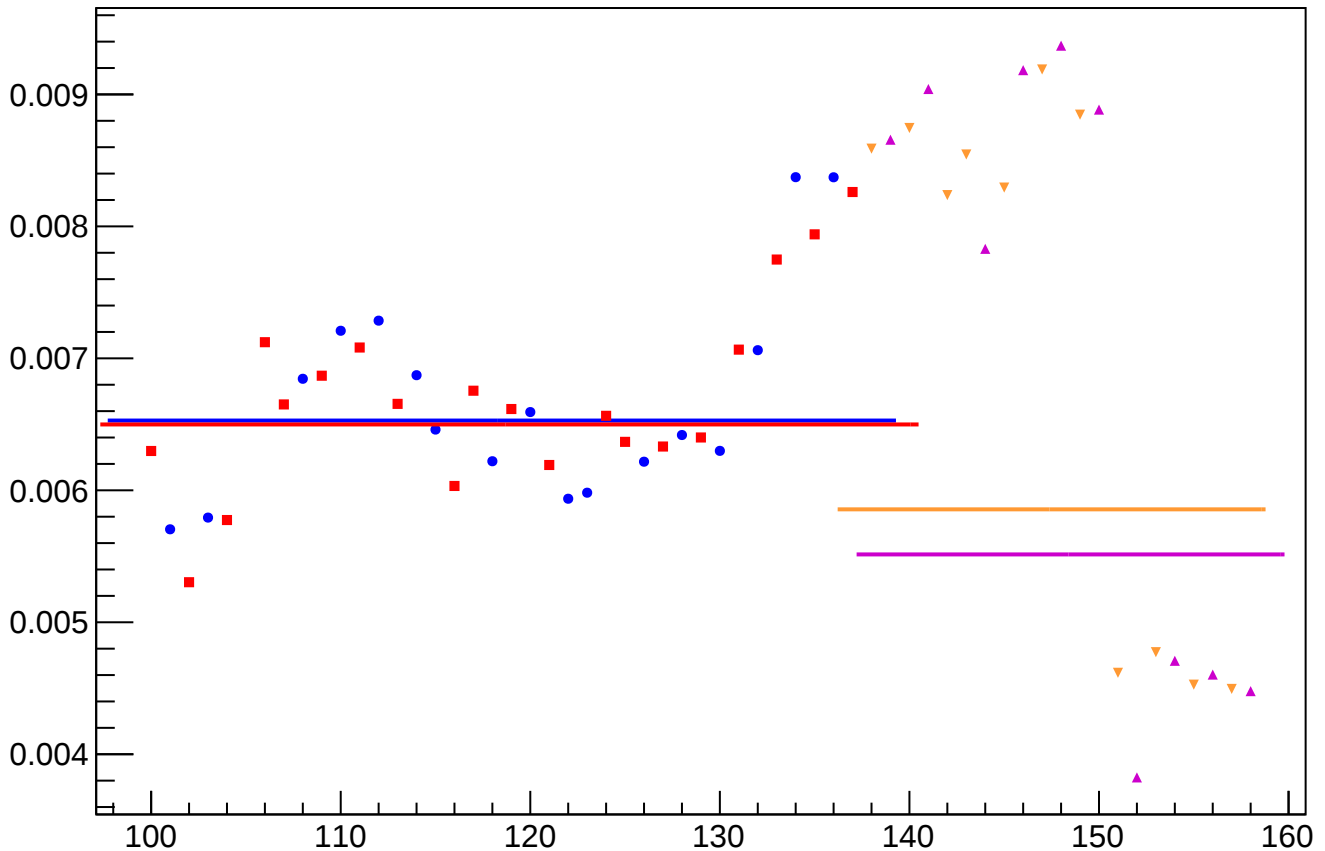
Right Out: -2.284+/-0.000 χ^2/NDF : 6550363990.6/19

Left In: -2.242+/-0.000 χ^2/NDF :65501199603.1/9

-2.215+/-0.000 χ^2/NDF : 56187286217.2/27

-2.259+/-0.000 χ^2/NDF : 72213901714.2/29

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 176467.7/16

Left Out: 0.006+/-0.000 χ^2/NDF :1453876.5/10

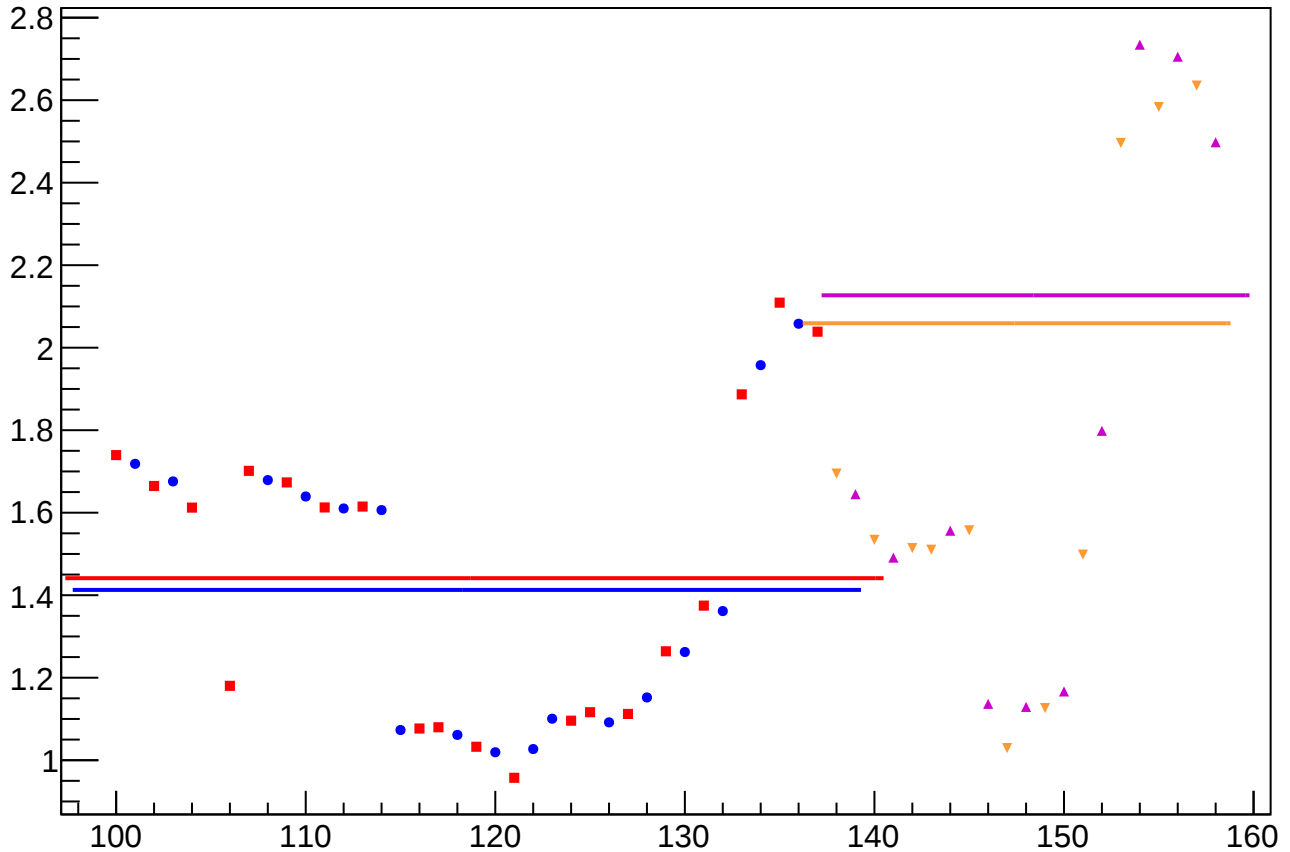
Right Out: 0.006+/-0.000 χ^2/NDF : 164253.8/19

Left In: 0.006+/-0.000 χ^2/NDF :1796893.7/9

0.006+/-0.000 χ^2/NDF : 1709367.8/27

0.006+/-0.000 χ^2/NDF : 2144215.9/29

yield_bpm0i01aY_mean vs Slug



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 2.059+/-0.000 χ^2/NDF :123624891562.6/10

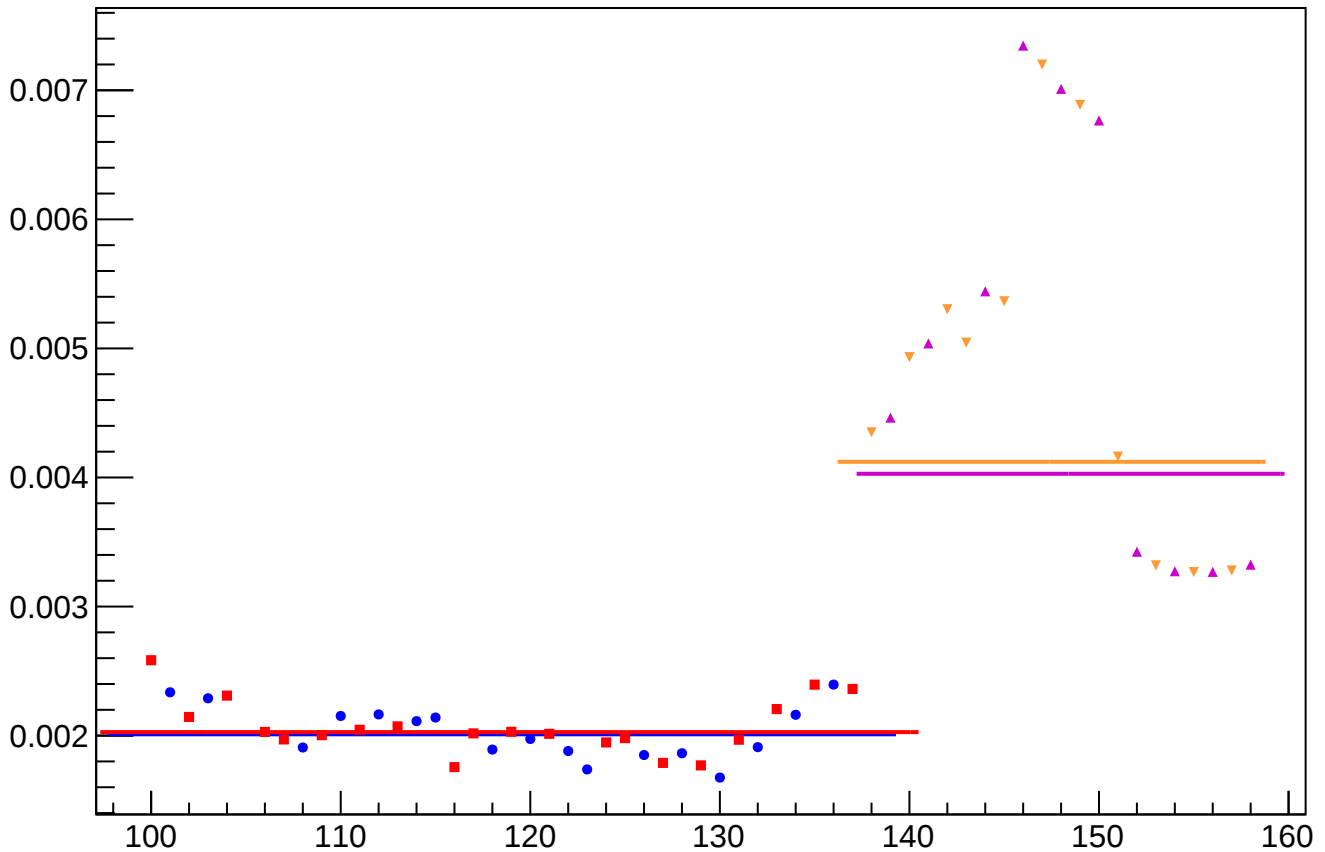
1.549+/-0.000 χ^2/NDF : 430516530464.9/27

Right Out: 1.441+/-0.000 χ^2/NDF : 174346888744.4/19

1.585+/-0.000 χ^2/NDF : 466937465083.3/29

Left In: 2.127+/-0.000 χ^2/NDF :136511915781.8/9

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 : 919578.1/10

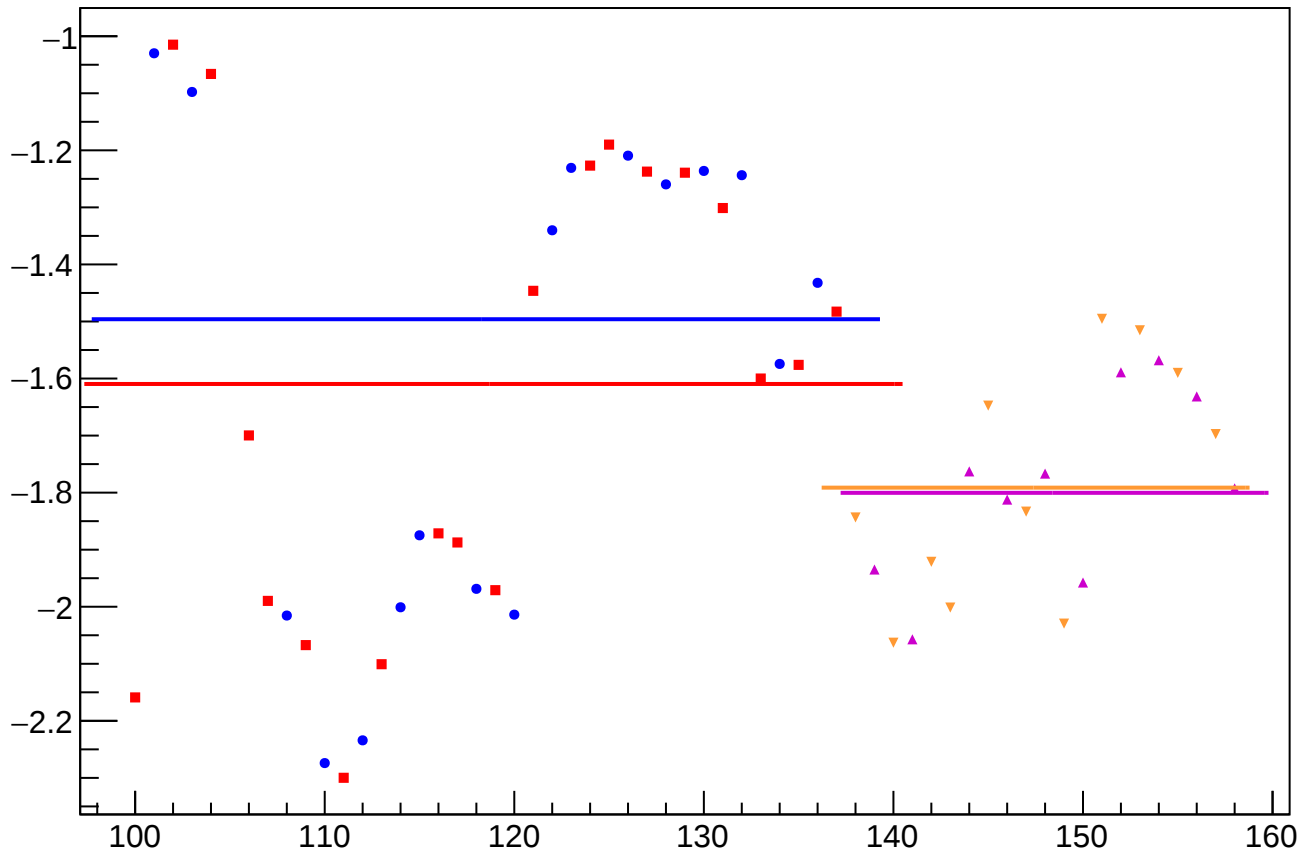
Right Out: 0.002+/-0.000 χ^2/NDF : 103927.8/19

Left In: 0.004+/-0.000 χ^2/NDF : 1175584.4/9

0.002+/-0.000 χ^2/NDF : 3938372.9/27

0.002+/-0.000 χ^2/NDF : 3938961.4/29

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.791+/-0.000 χ^2/NDF : 8684830758.0/10

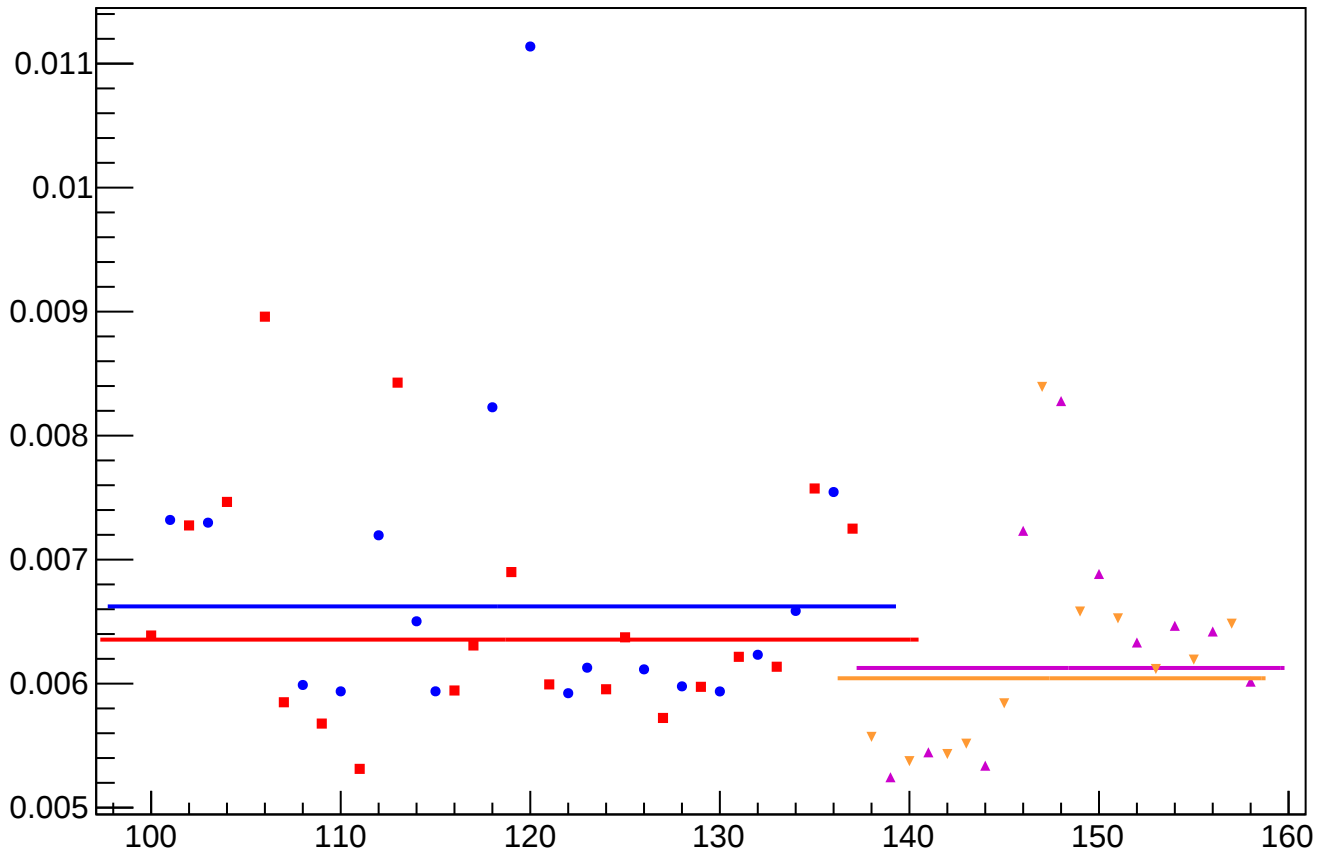
Right Out: -1.610+/-0.000 χ^2/NDF : 27919840690.9/19

Left In: -1.800+/-0.000 χ^2/NDF : 5146940146.9/9

-1.673+/-0.000 χ^2/NDF : 38463099660.8/27

-1.714+/-0.000 χ^2/NDF : 36347002844.8/29

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 :193279.3/10

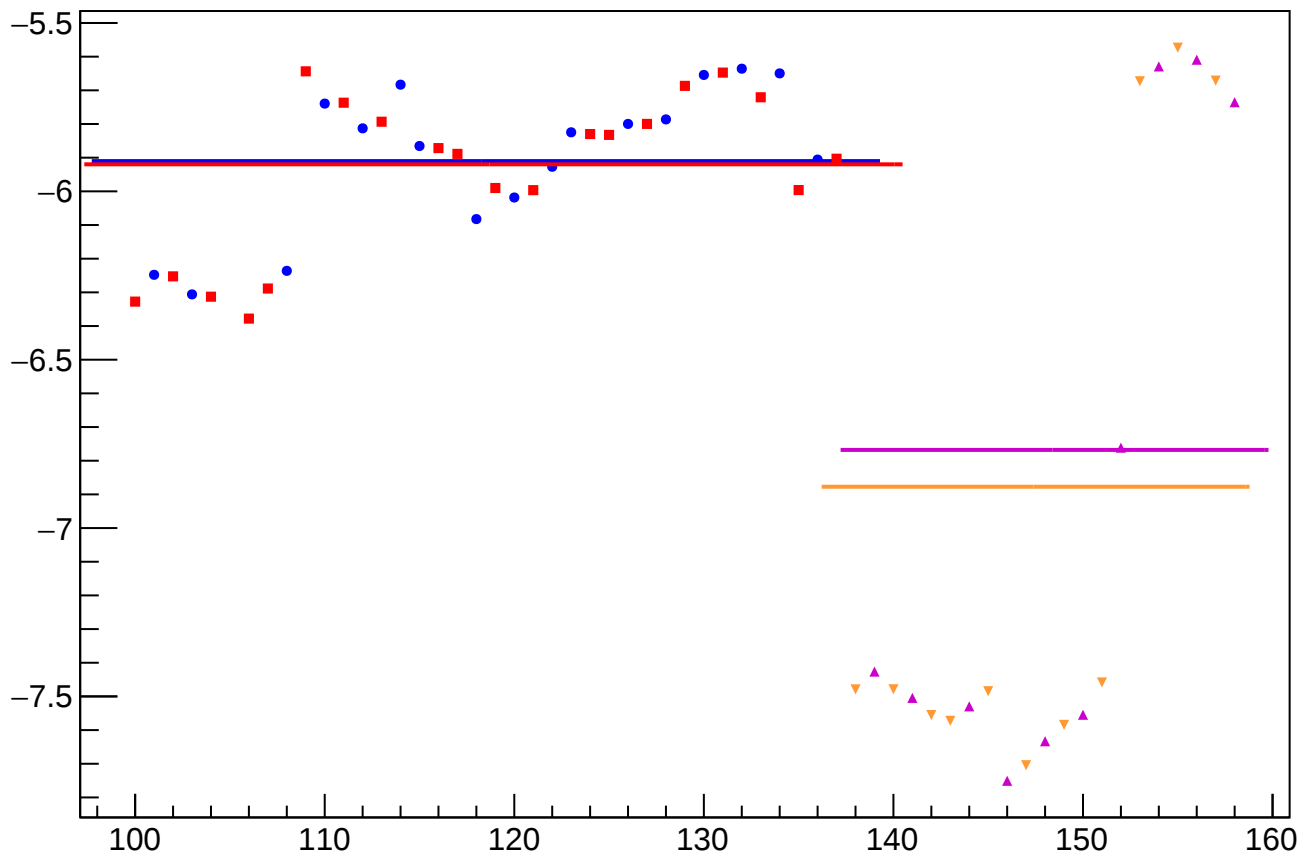
Right Out: 0.006+/-0.000 χ^2/NDF : 227865.9/19

Left In: 0.006+/-0.000 χ^2/NDF :257135.3/9

0.006+/-0.000 χ^2/NDF : 481819.4/27

0.006+/-0.000 χ^2/NDF : 494424.9/29

yield_bpm0l01Y_mean vs Slug



Right In: -5.910+/-0.000 χ^2/NDF : 11154434512.7/16

Left Out: -6.877+/-0.000 χ^2/NDF : 85285771319.1/10

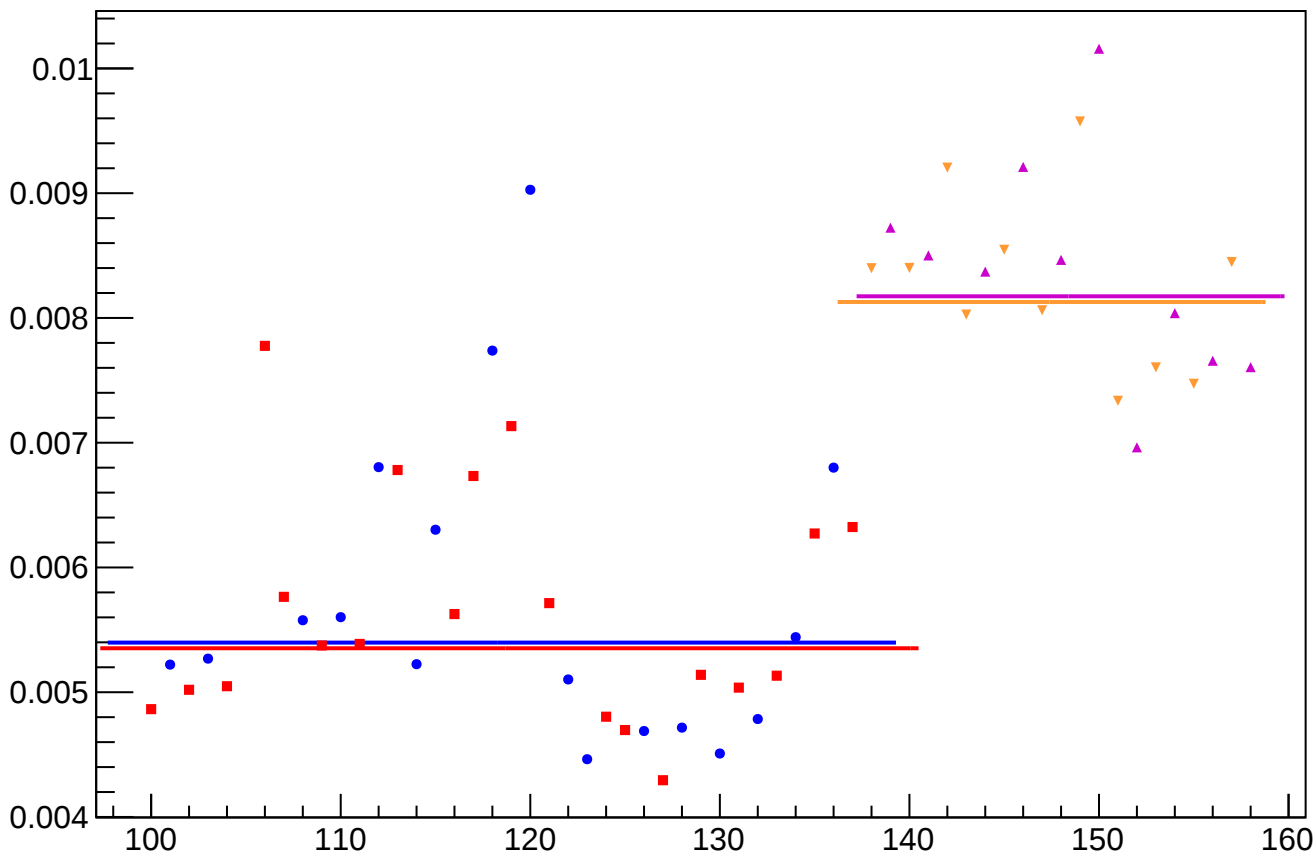
Right Out: -5.920+/-0.000 χ^2/NDF : 12786449843.6/19

Left In: -6.768+/-0.000 χ^2/NDF : 79756424636.2/9

-6.237+/-0.000 χ^2/NDF : 160598610055.2/27

-6.191+/-0.000 χ^2/NDF : 143993461504.9/29

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 371347.4/16

Left Out: 0.008+/-0.000 χ^2/NDF :82207.5/10

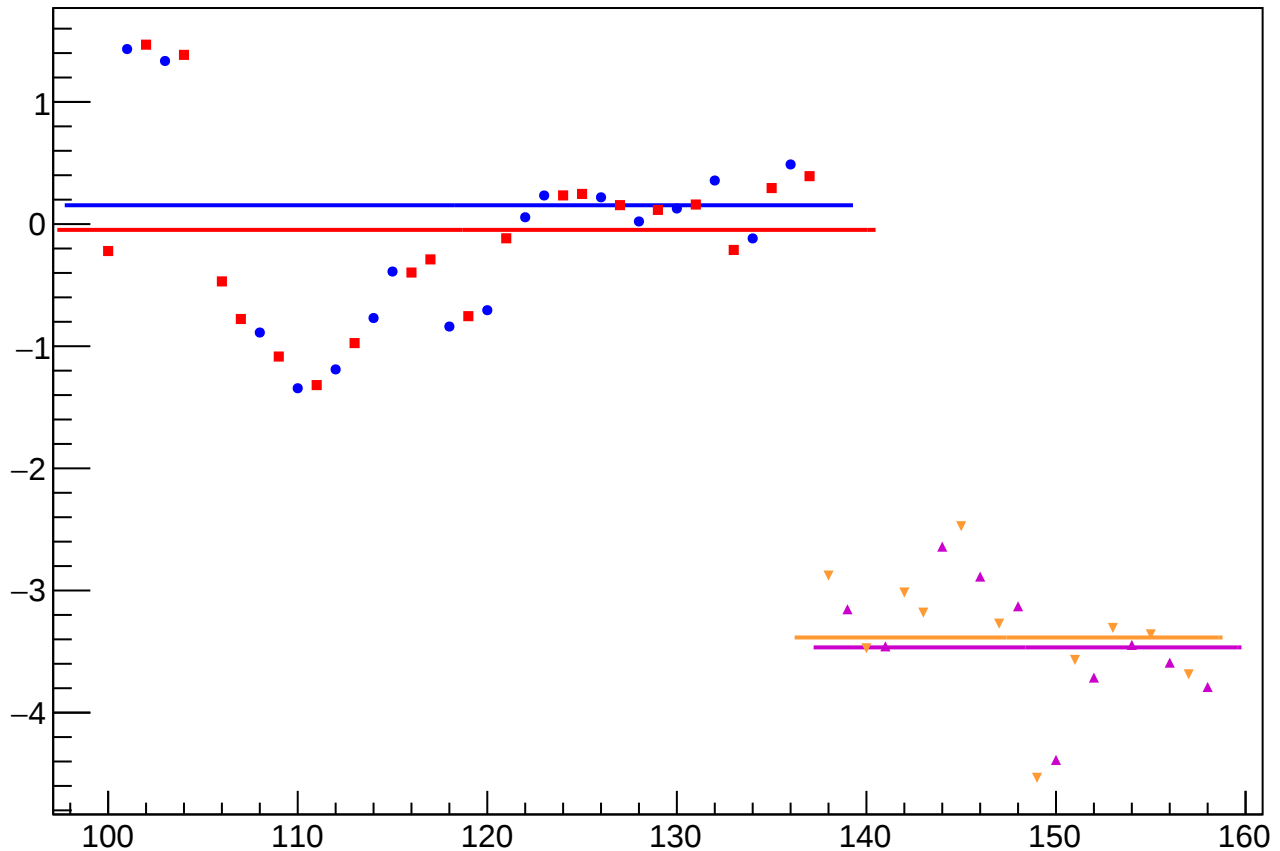
Right Out: 0.005+/-0.000 χ^2/NDF : 252664.1/19

Left In: 0.008+/-0.000 χ^2/NDF :140904.6/9

0.006+/-0.000 χ^2/NDF : 1476294.5/27

0.006+/-0.000 χ^2/NDF : 1532144.7/29

yield_bpm0l02X_mean vs Slug



Right In: 0.154+/-0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.385+/-0.000 χ^2/NDF : 6910870901.0/10

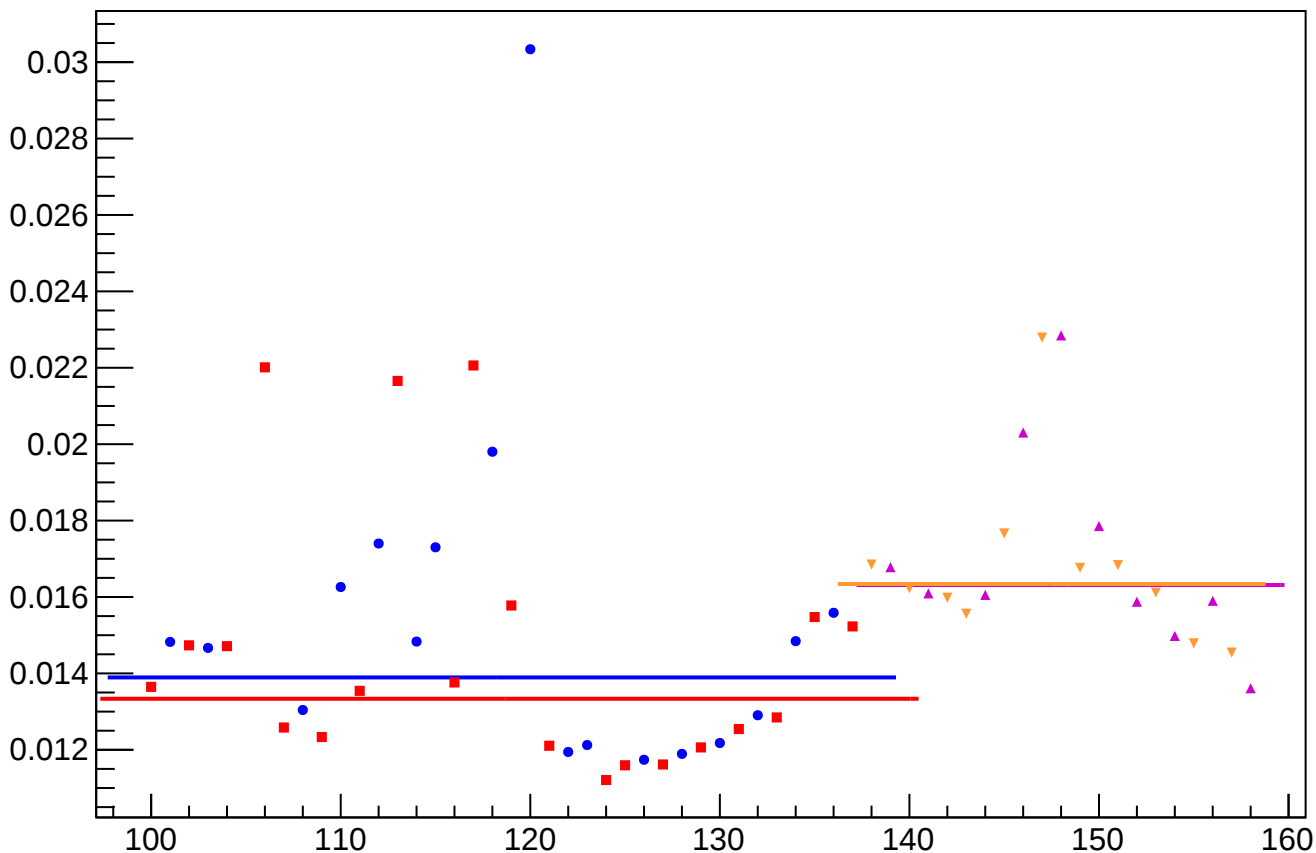
-1.555+/-0.000 χ^2/NDF : 209375446763.3/27

Right Out: -0.047+/-0.000 χ^2/NDF : 21216074494.2/19

-1.545+/-0.000 χ^2/NDF : 214110085554.2/29

Left In: -3.466+/-0.000 χ^2/NDF : 5958224424.9/9

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 :168487.4/10

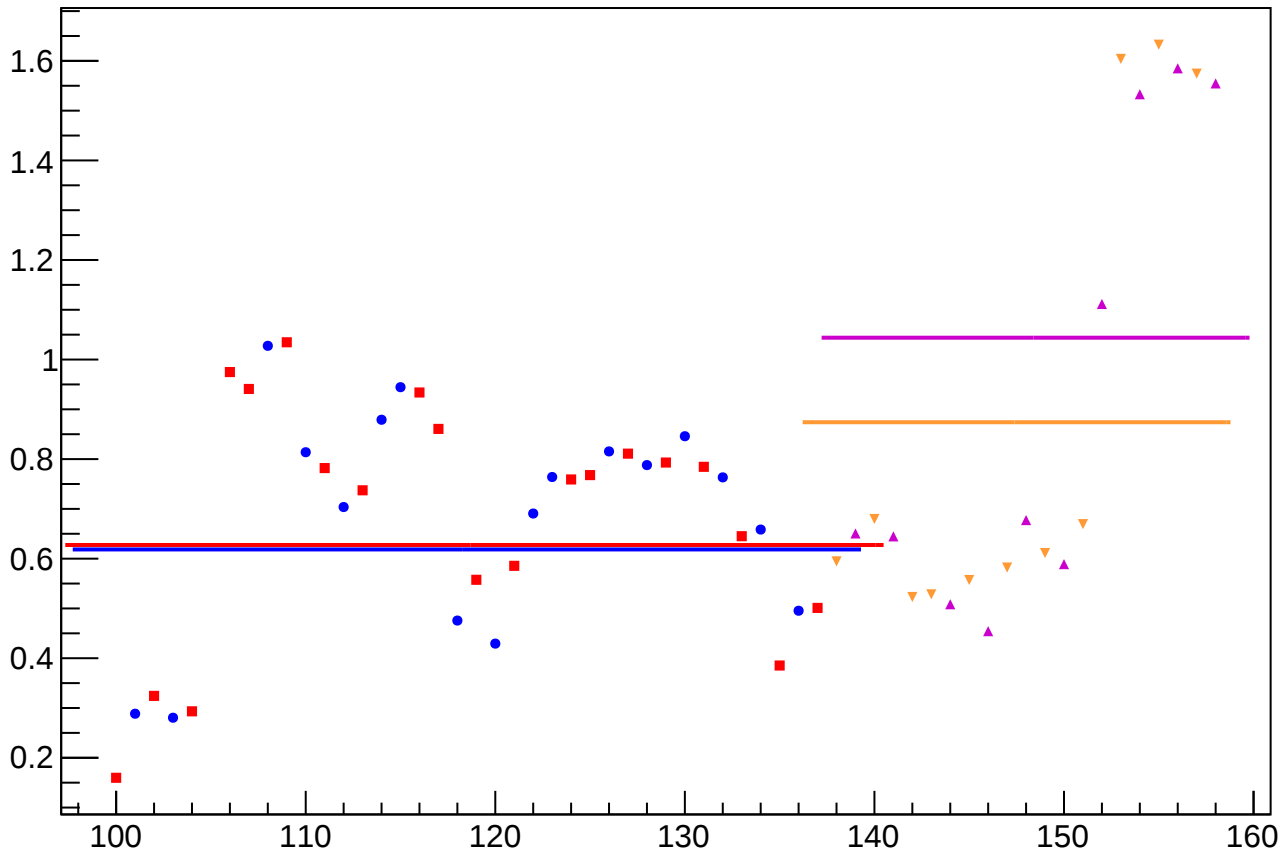
Right Out: 0.013+/-0.000 χ^2/NDF : 303459.9/19

Left In: 0.016+/-0.000 χ^2/NDF :265634.6/9

0.015+/-0.000 χ^2/NDF : 746233.0/27

0.015+/-0.000 χ^2/NDF : 852730.9/29

yield_bpm0l02Y_mean vs Slug



Right In: 0.619+/-0.000 χ^2/NDF : 5416939288.1/16

Left Out: 0.874+/-0.000 χ^2/NDF : 26045736317.6/10

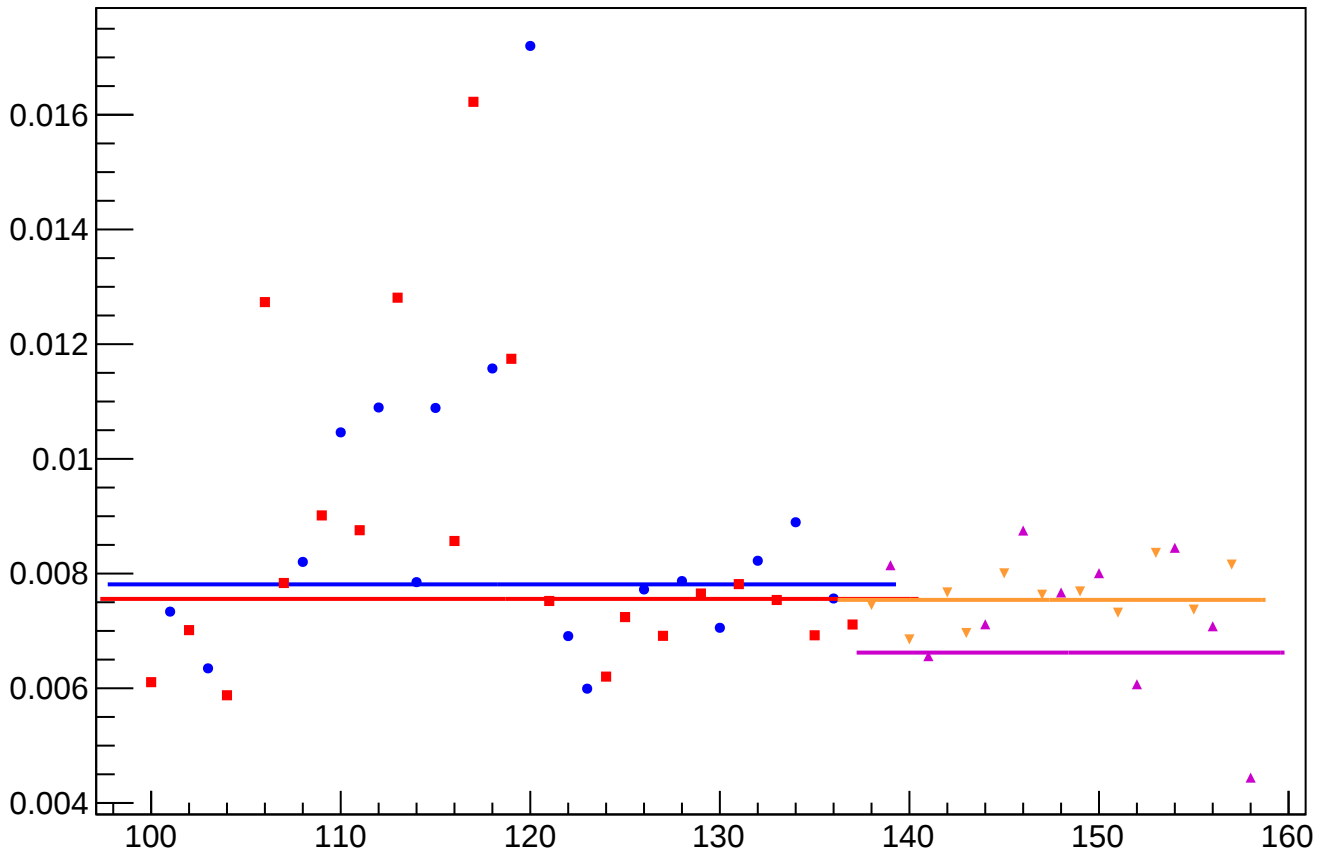
Right Out: 0.627+/-0.000 χ^2/NDF : 6345684740.0/19

Left In: 1.044+/-0.000 χ^2/NDF : 33676180469.0/9

0.766+/-0.000 χ^2/NDF : 35047127843.7/27

0.878+/-0.000 χ^2/NDF : 51362941074.8/29

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 466827.3/16

Left Out: 0.008+/-0.000 χ^2/NDF :53971.6/10

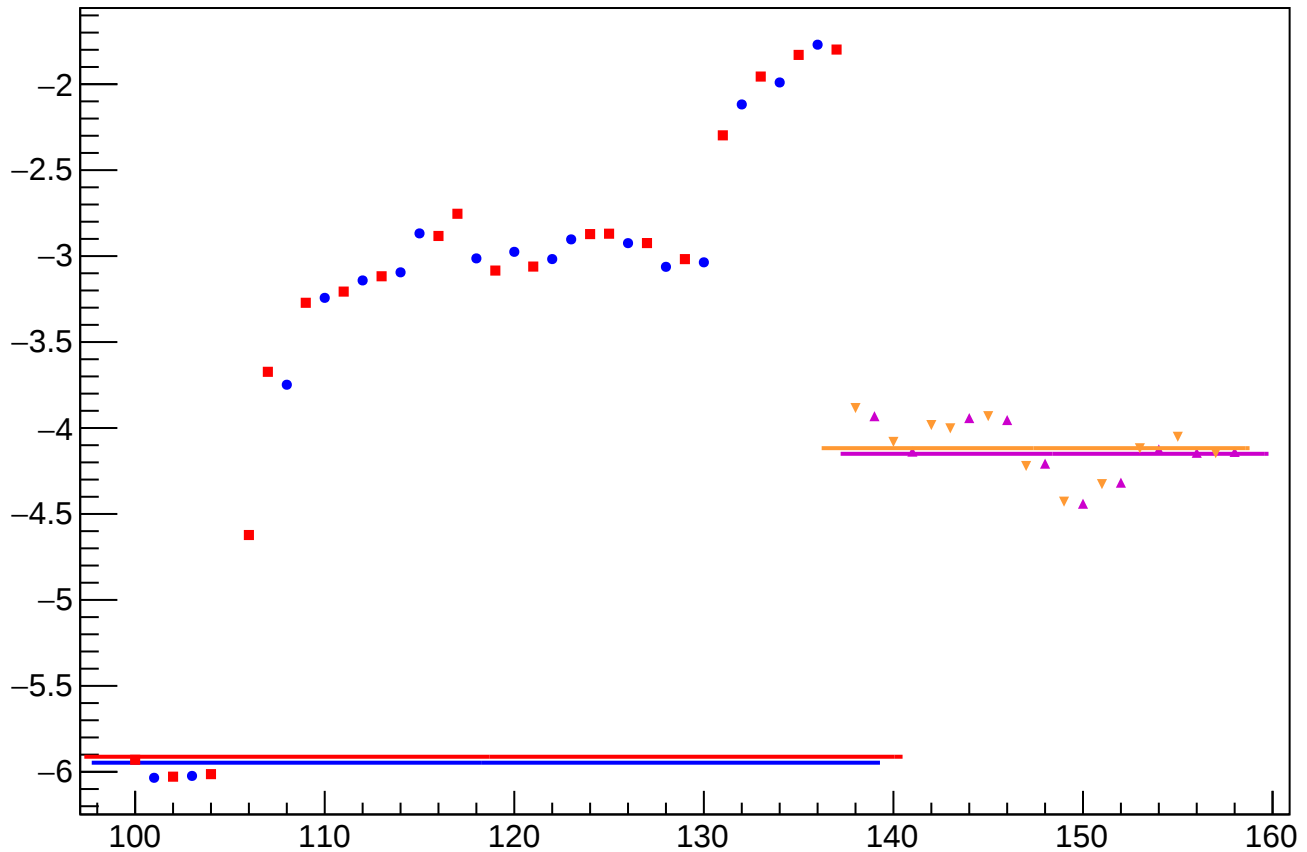
Right Out: 0.008+/-0.000 χ^2/NDF : 463232.7/19

Left In: 0.007+/-0.000 χ^2/NDF :680304.0/9

0.008+/-0.000 χ^2/NDF : 528822.5/27

0.007+/-0.000 χ^2/NDF : 1258213.3/29

yield_bpm0l03X_mean vs Slug



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -4.117+/-0.000 χ^2/NDF : 29459688.2/10

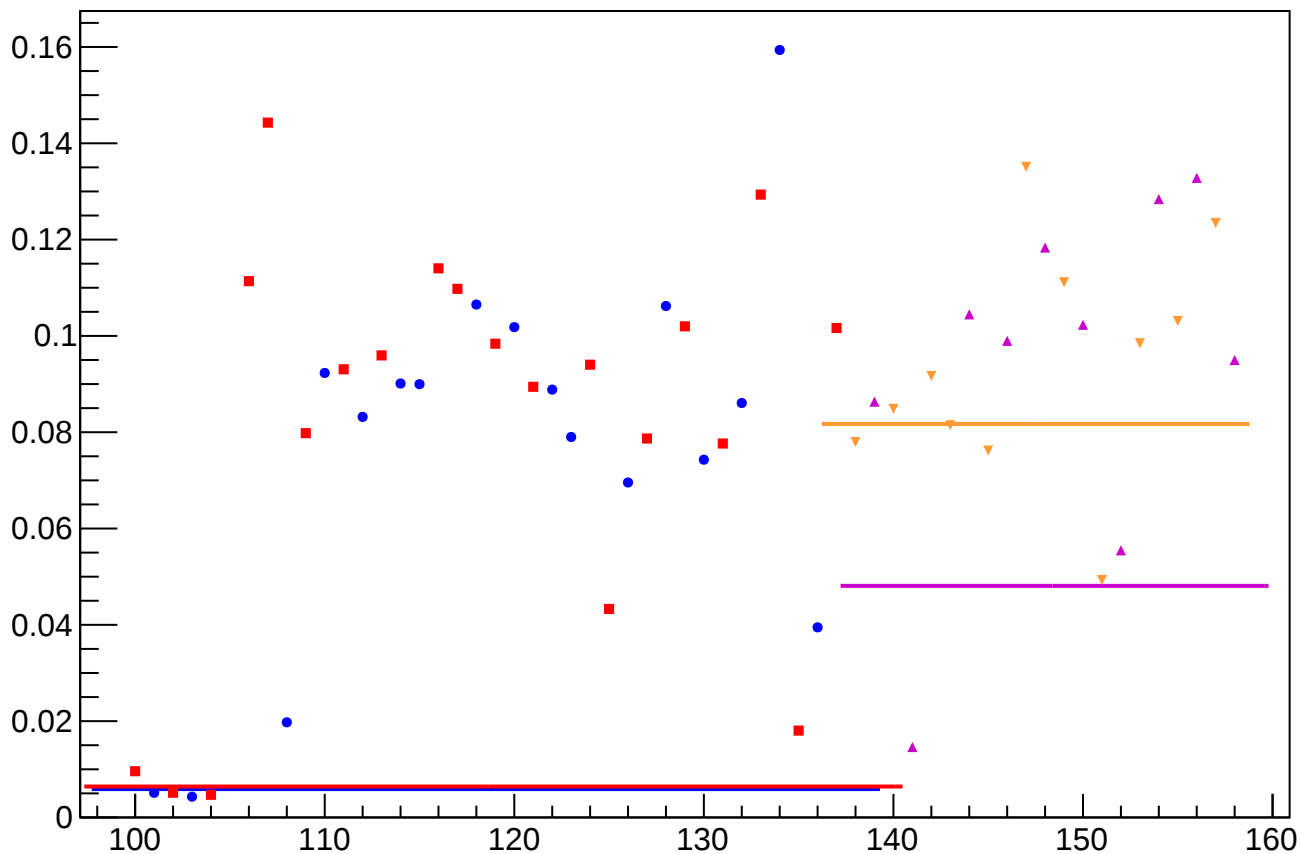
-5.910+/-0.000 χ^2/NDF : 16421265189.1/27

Right Out: -5.912+/-0.000 χ^2/NDF : 14648055548.9/19

-5.843+/-0.000 χ^2/NDF : 19337885913.1/29

Left In: -4.150+/-0.000 χ^2/NDF : 20969250.4/9

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 7934545.2/16

Left Out: 0.082+/-0.000 χ^2/NDF : 1077611.1/10

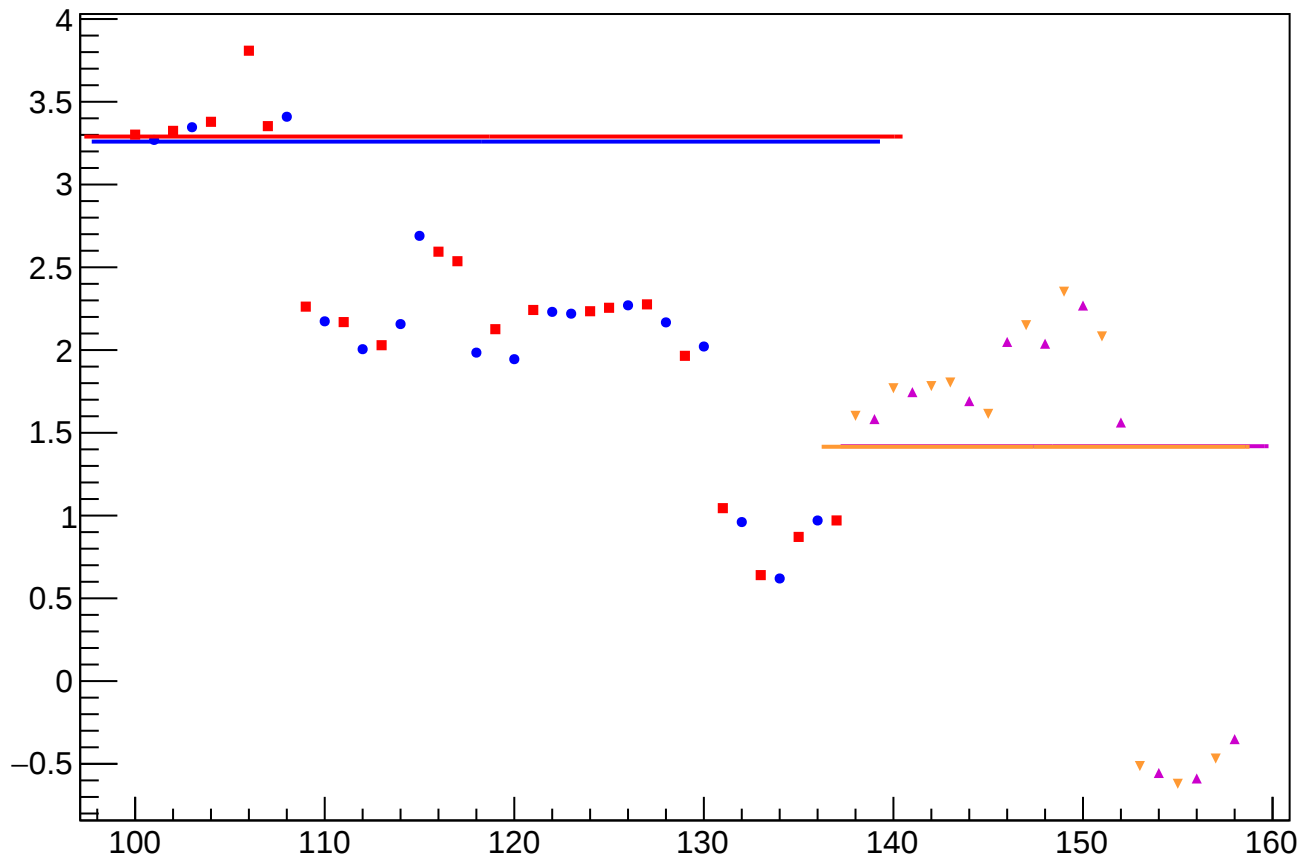
Right Out: 0.006+/-0.000 χ^2/NDF : 8558731.2/19

Left In: 0.048+/-0.000 χ^2/NDF : 5330873.0/9

0.007+/-0.000 χ^2/NDF : 20093467.9/27

0.008+/-0.000 χ^2/NDF : 19111350.8/29

yield_bpm0l03Y_mean vs Slug



Right In: 3.259+/-0.000 χ^2/NDF : 2921931976.8/16

Left Out: 1.416+/-0.000 χ^2/NDF : 869327861.8/10

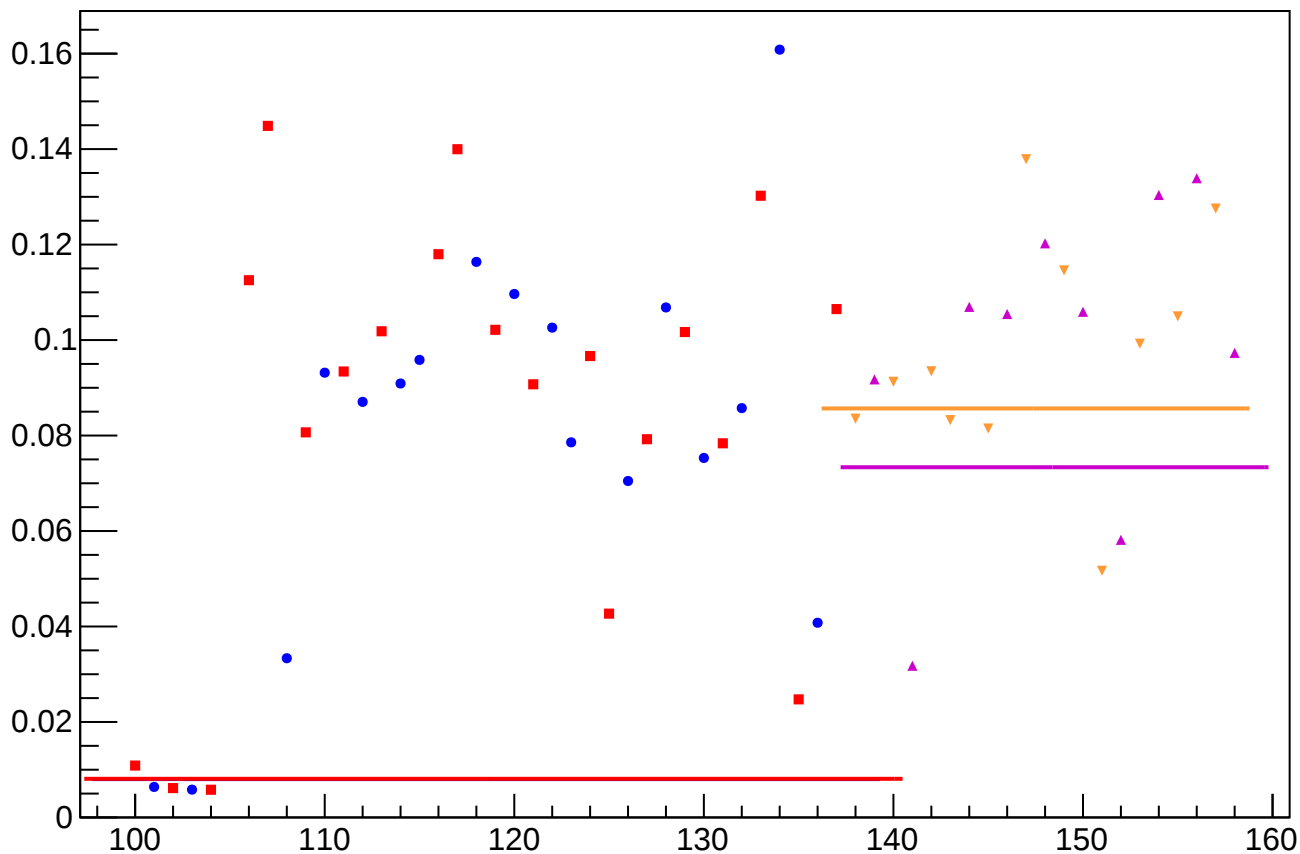
Right Out: 3.290+/-0.000 χ^2/NDF : 3263300926.6/19

Left In: 1.419+/-0.000 χ^2/NDF : 673961111.4/9

3.203+/-0.000 χ^2/NDF : 6761873266.2/27

3.224+/-0.000 χ^2/NDF : 7197411904.2/29

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7742048.1/16

Left Out: 0.086 $\pm$ 0.000 χ^2 /NDF:1002485.3/10

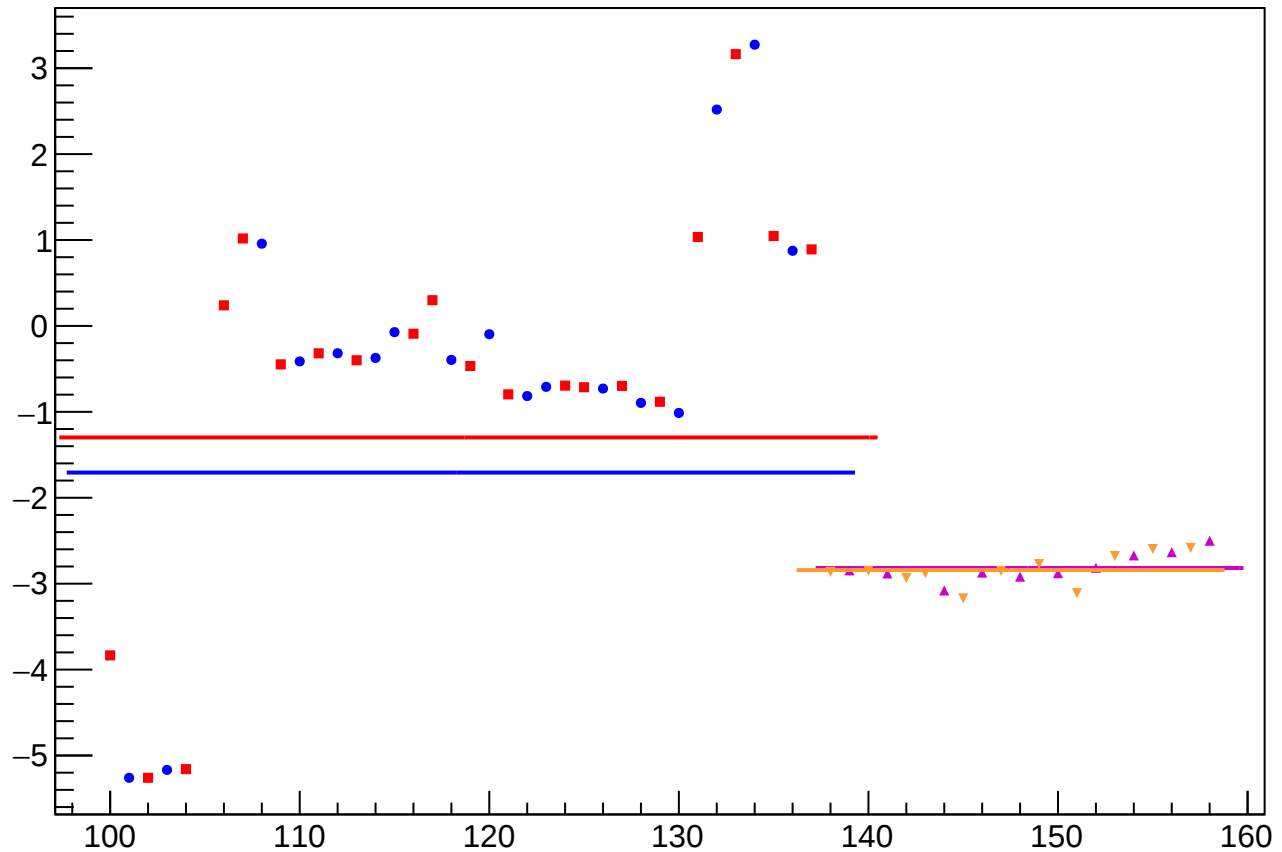
Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8375005.0/19

Left In: 0.073 $\pm$ 0.000 χ^2 /NDF:2494042.1/9

0.010 $\pm$ 0.000 χ^2 /NDF: 19279116.4/27

0.010 $\pm$ 0.000 χ^2 /NDF: 18805324.3/29

yield_bpm0l04X_mean vs Slug



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.842+/-0.000 χ^2/NDF : 4115804592.2/10

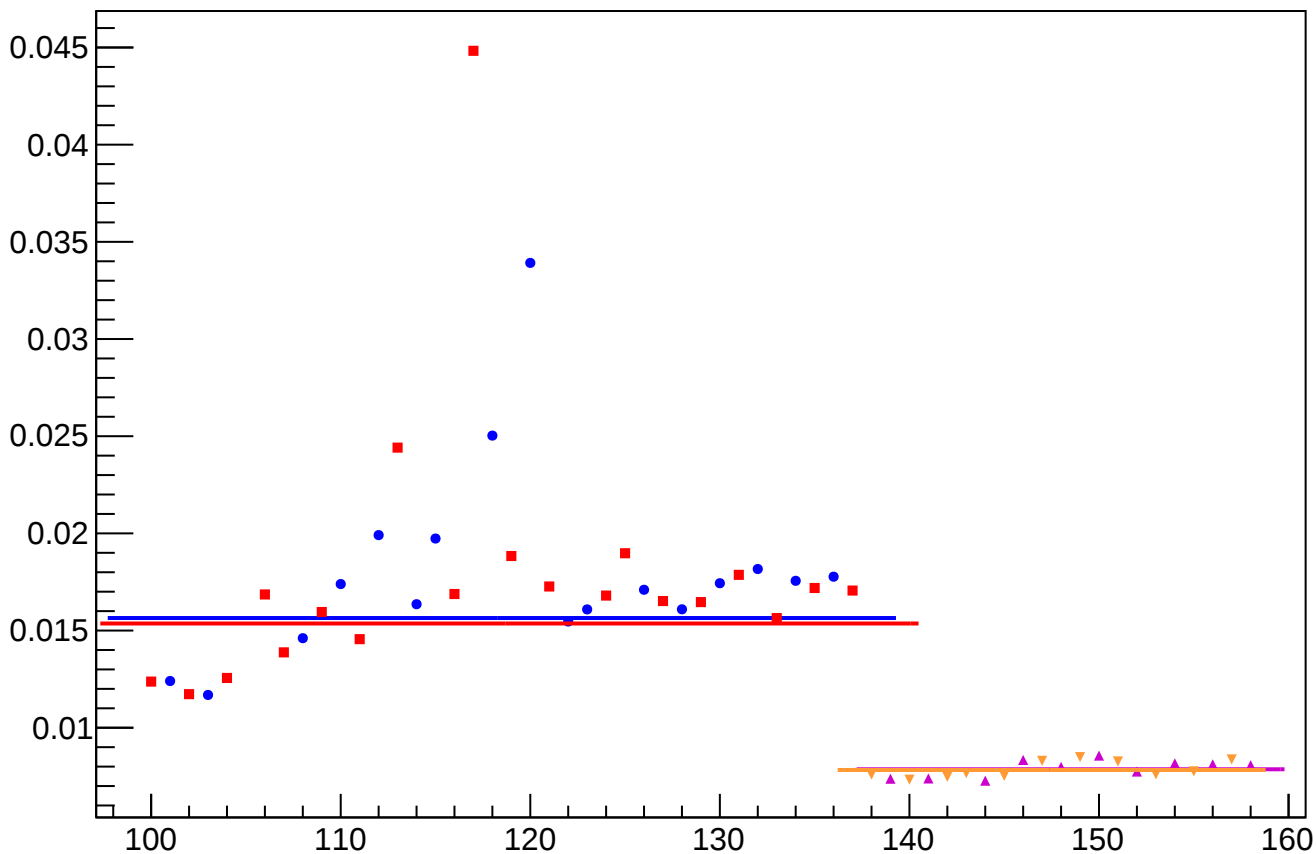
-2.668+/-0.000 χ^2/NDF : 195219847903.9/27

Right Out: -1.298+/-0.000 χ^2/NDF : 178085926993.4/19

-2.555+/-0.000 χ^2/NDF : 231602655541.3/29

Left In: -2.818+/-0.000 χ^2/NDF : 3197098185.5/9

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 578244.3/16

Left Out: 0.008+/-0.000 χ^2/NDF : 39076.1/10

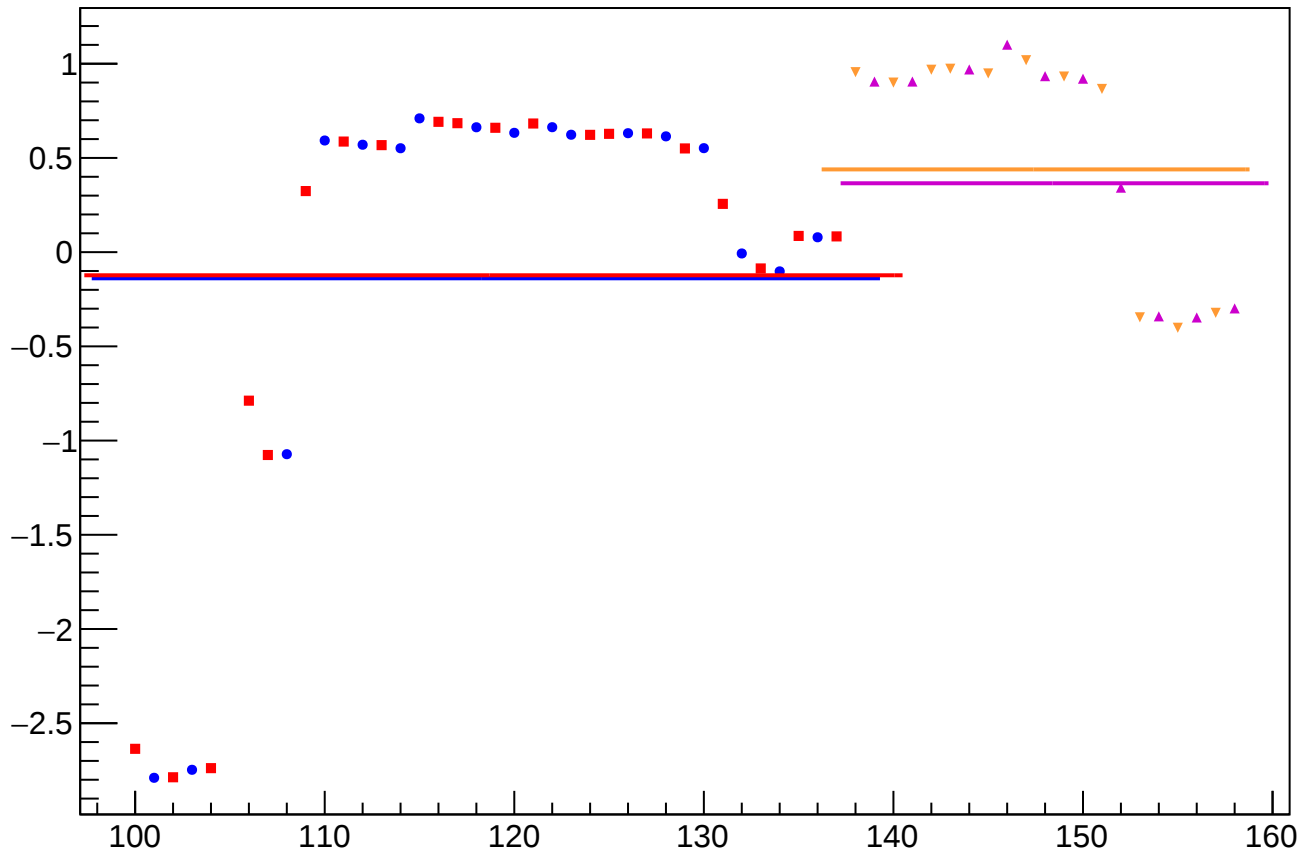
Right Out: 0.015+/-0.000 χ^2/NDF : 387283.2/19

Left In: 0.008+/-0.000 χ^2/NDF : 45013.8/9

0.009+/-0.000 χ^2/NDF : 2987736.1/27

0.009+/-0.000 χ^2/NDF : 2883621.5/29

yield_bpm0l04Y_mean vs Slug



Right In: -0.139+/-0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.439+/-0.000 χ^2/NDF : 70341006036.3/10

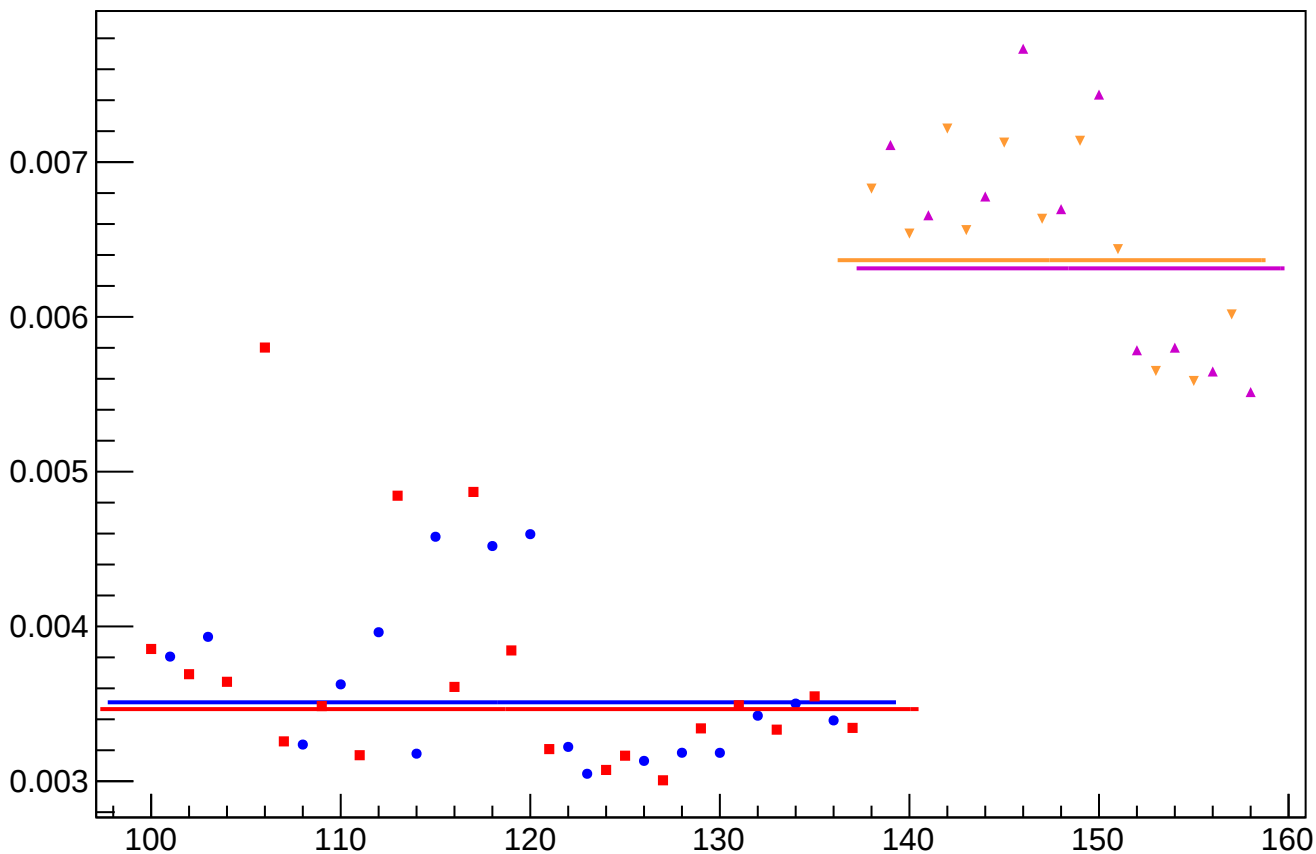
0.008+/-0.000 χ^2/NDF : 828894506742.0/27

Right Out: -0.123+/-0.000 χ^2/NDF : 762580598699.5/19

-0.004+/-0.000 χ^2/NDF : 859776827322.5/29

Left In: 0.366+/-0.000 χ^2/NDF : 64518678514.0/9

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 :110208.3/10

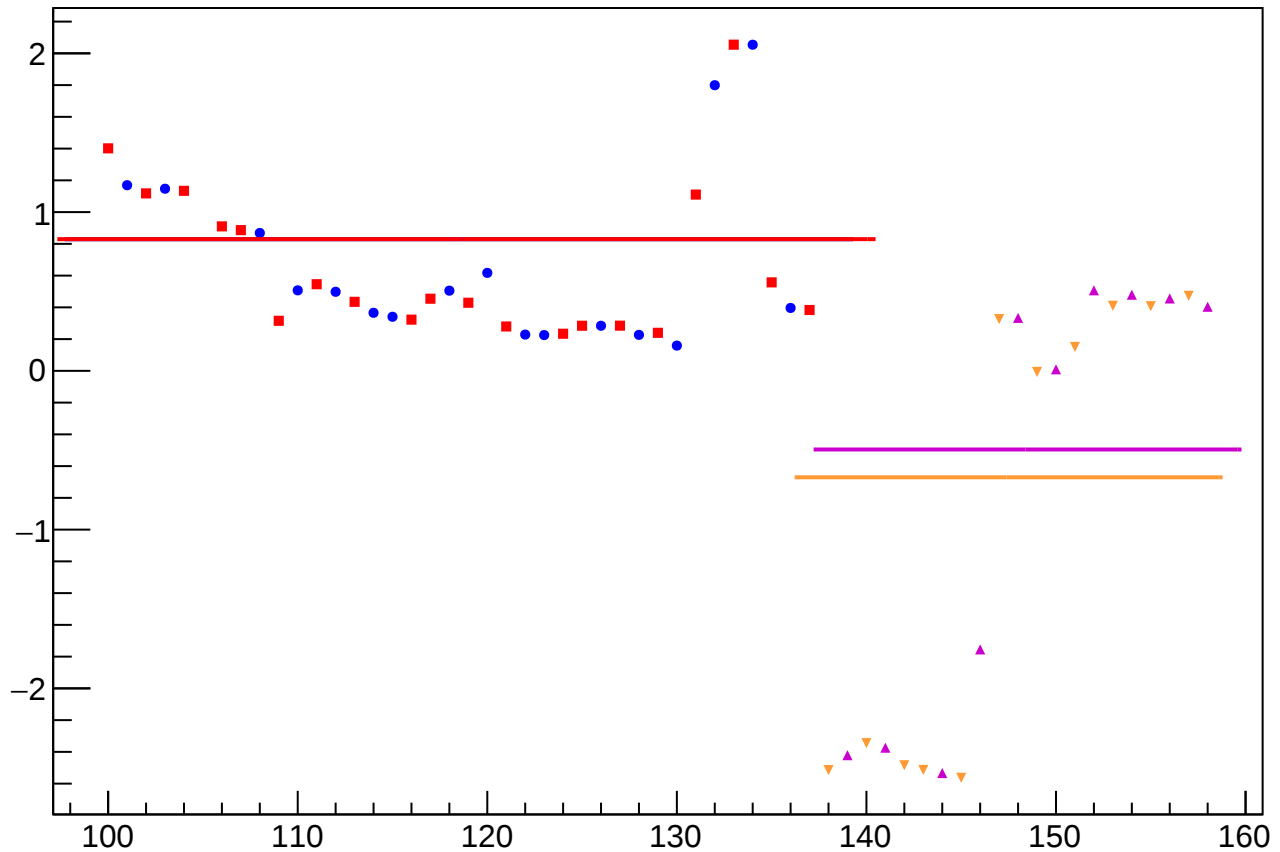
Right Out: 0.003+/-0.000 χ^2/NDF : 222524.1/19

Left In: 0.006+/-0.000 χ^2/NDF :186448.1/9

0.004+/-0.000 χ^2/NDF : 2407382.6/27

0.004+/-0.000 χ^2/NDF : 2631767.0/29

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000 χ^2/NDF : 31718573821.2/16

Left Out: -0.671+/-0.000 χ^2/NDF : 369253925345.4/10

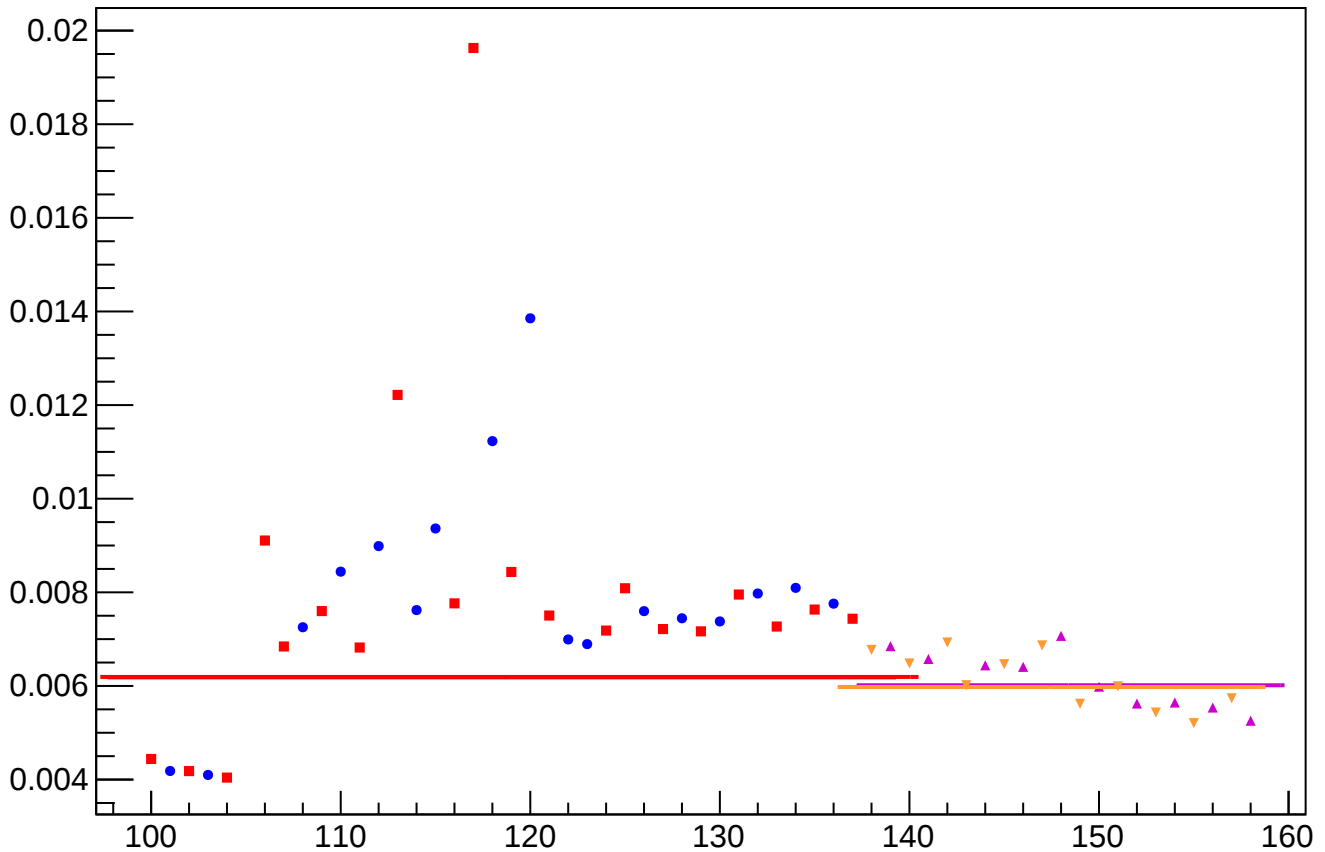
-0.070+/-0.000 χ^2/NDF : 588334233254.1/27

Right Out: 0.830+/-0.000 χ^2/NDF : 33349713412.0/19

0.064+/-0.000 χ^2/NDF : 518315549304.7/29

Left In: -0.495+/-0.000 χ^2/NDF : 330723224001.9/9

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 :131184.5/10

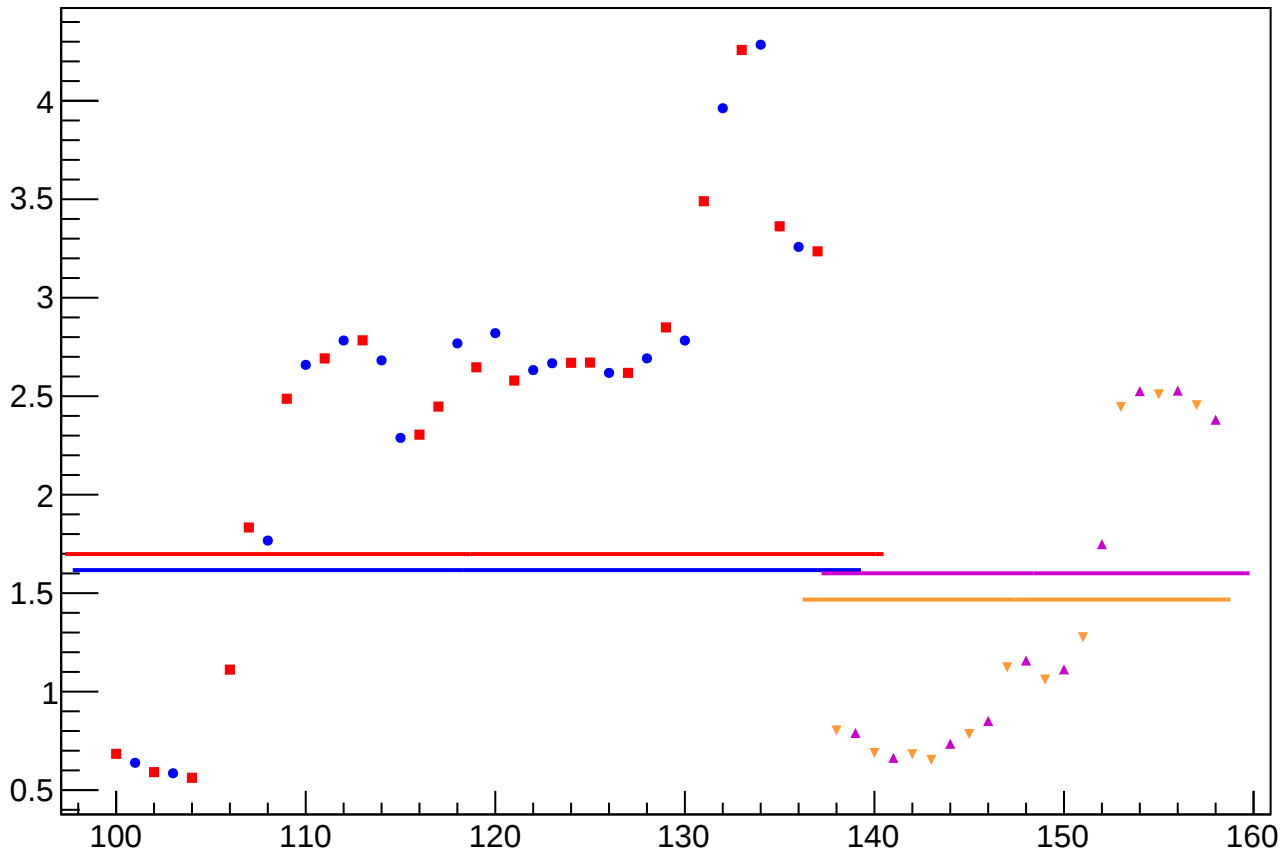
0.006+/-0.000 χ^2/NDF : 1367326.7/27

Right Out: 0.006+/-0.000 χ^2/NDF : 1062886.2/19

0.006+/-0.000 χ^2/NDF : 1202352.9/29

Left In: 0.006+/-0.000 χ^2/NDF :133917.7/9

yield_bpm0l05Y_mean vs Slug



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 1.467+/-0.000 χ^2/NDF :123698284928.4/10

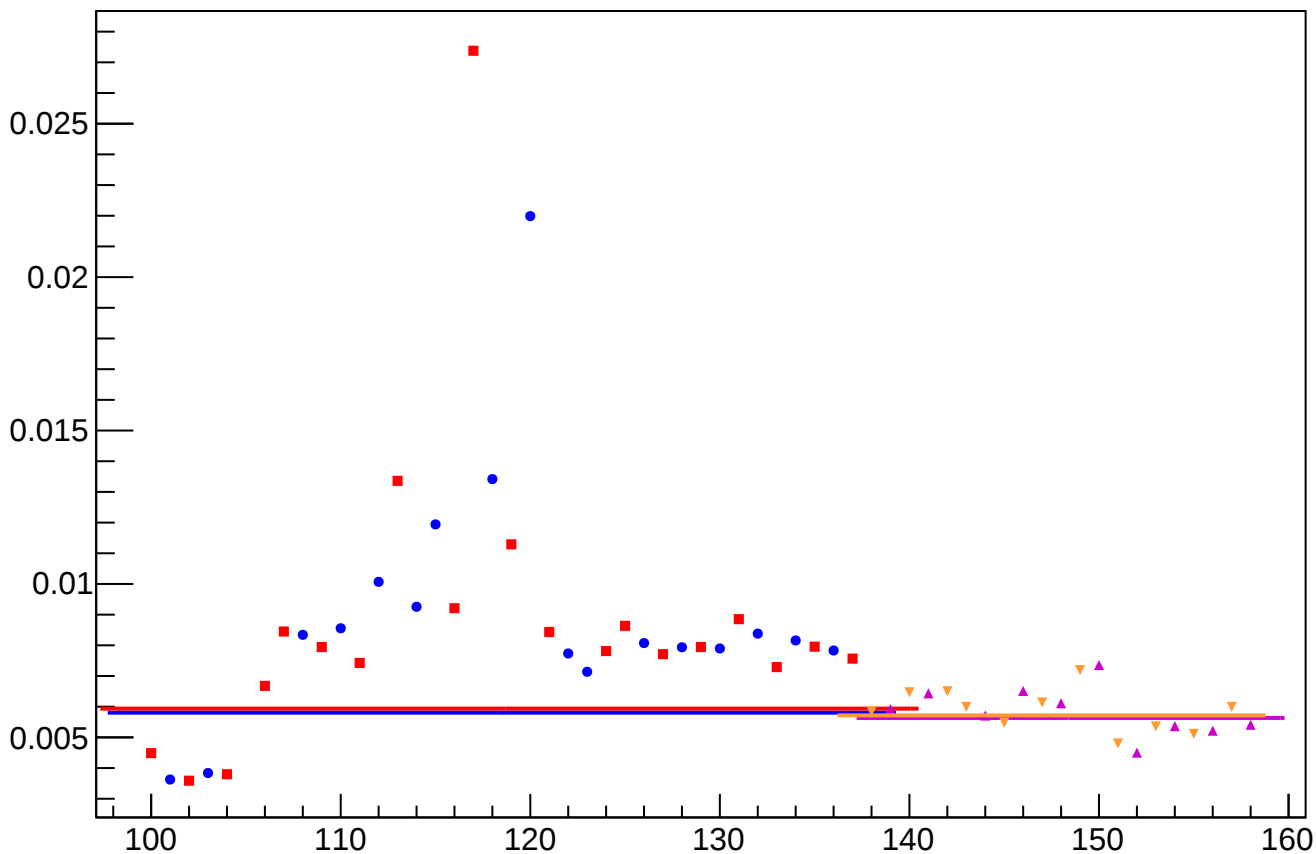
1.528+/-0.000 χ^2/NDF : 328491744559.7/27

Right Out: 1.698+/-0.000 χ^2/NDF : 227436227264.4/19

1.641+/-0.000 χ^2/NDF : 350827154196.9/29

Left In: 1.601+/-0.000 χ^2/NDF :122532742439.5/9

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1917989.1/16

Left Out: 0.006+/-0.000 χ^2/NDF :172780.9/10

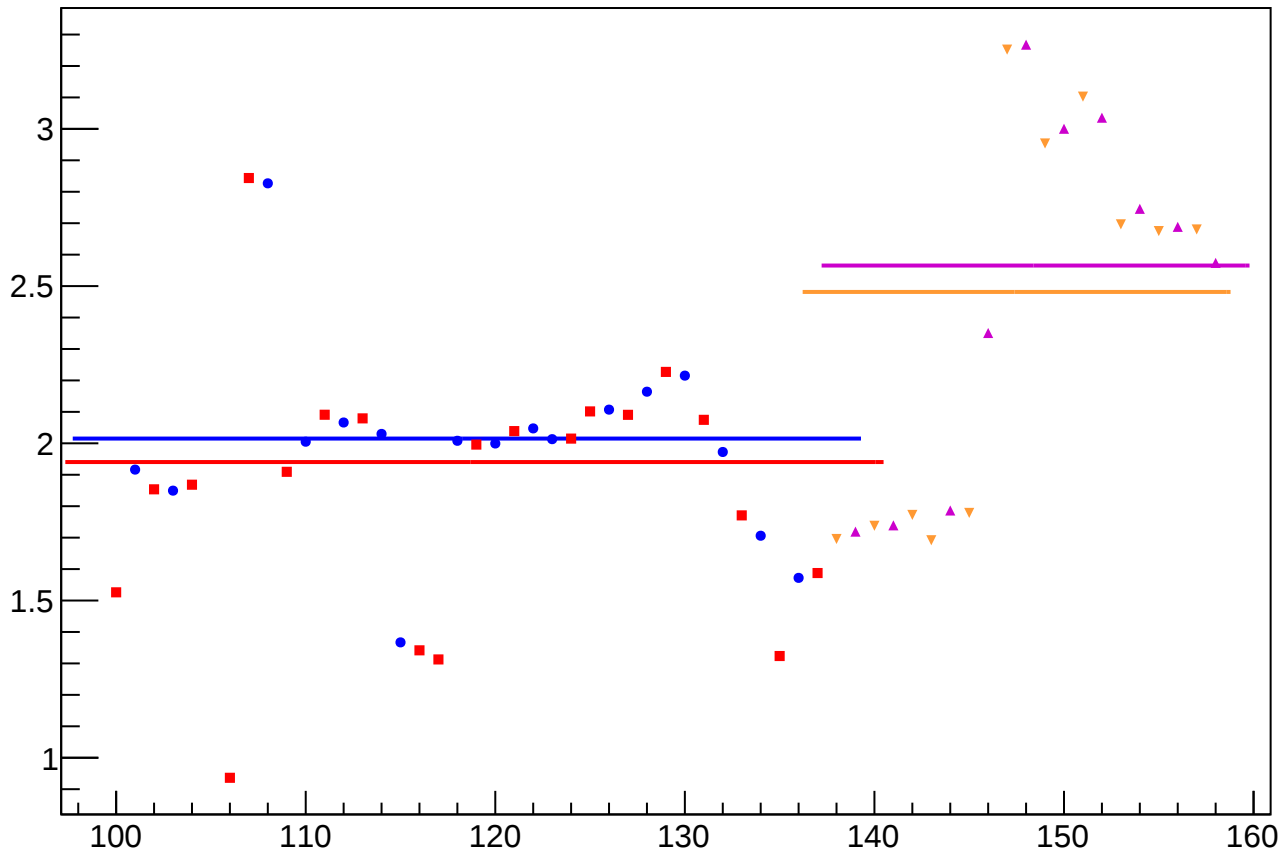
0.006+/-0.000 χ^2/NDF : 2092116.3/27

Right Out: 0.006+/-0.000 χ^2/NDF : 1731283.0/19

0.006+/-0.000 χ^2/NDF : 1994948.3/29

Left In: 0.006+/-0.000 χ^2/NDF :247046.1/9

yield_bpm0l06X_mean vs Slug



Right In: 2.015+/-0.000 χ^2/NDF : 12228403202.6/16

Left Out: 2.481+/-0.000 χ^2/NDF : 44806608050.0/10

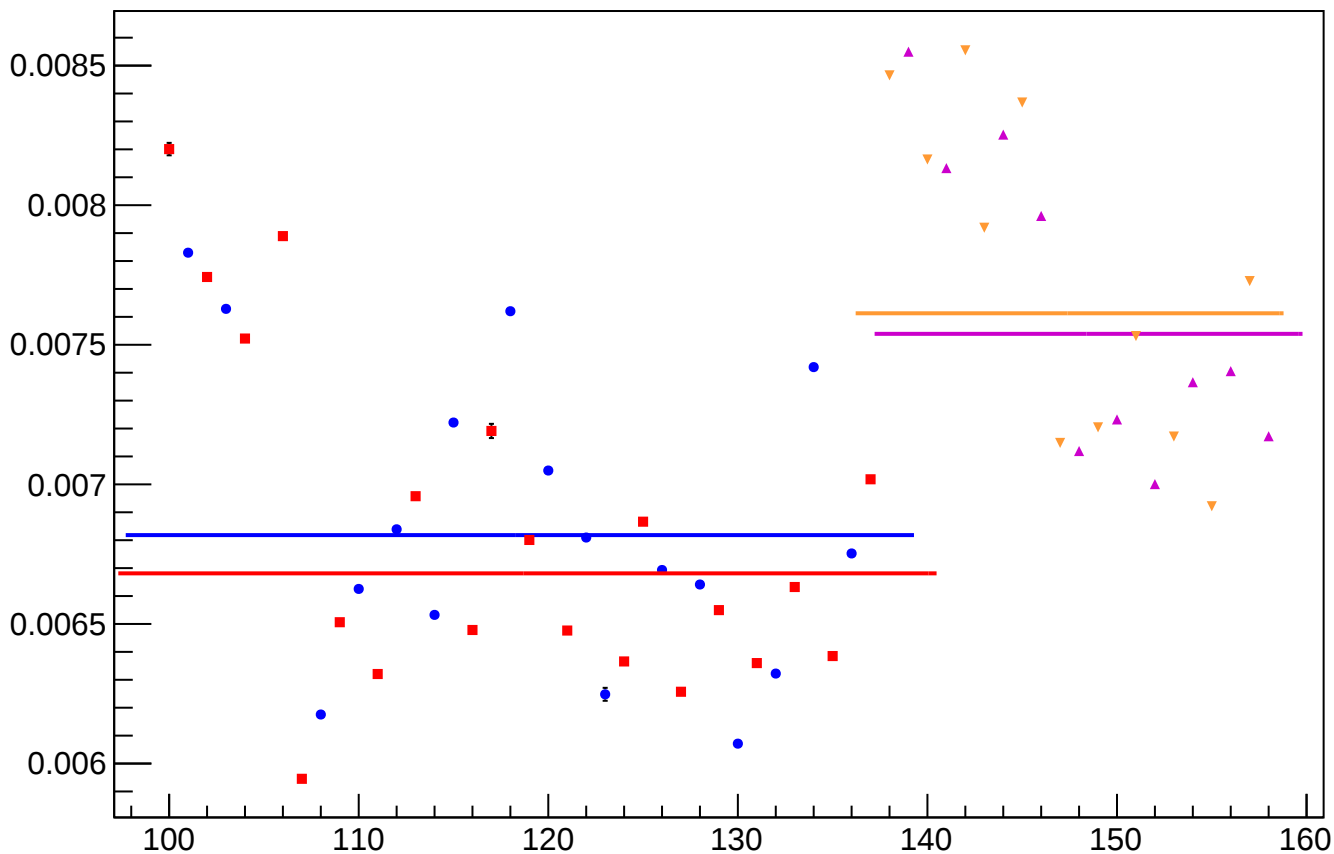
2.244+/-0.000 χ^2/NDF : 71638965577.7/27

Right Out: 1.940+/-0.000 χ^2/NDF : 21732099424.5/19

2.235+/-0.000 χ^2/NDF : 87382778336.3/29

Left In: 2.565+/-0.000 χ^2/NDF : 37473903247.2/9

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 75813.9/16

Left Out: 0.008+/-0.000 χ^2/NDF : 76861.4/10

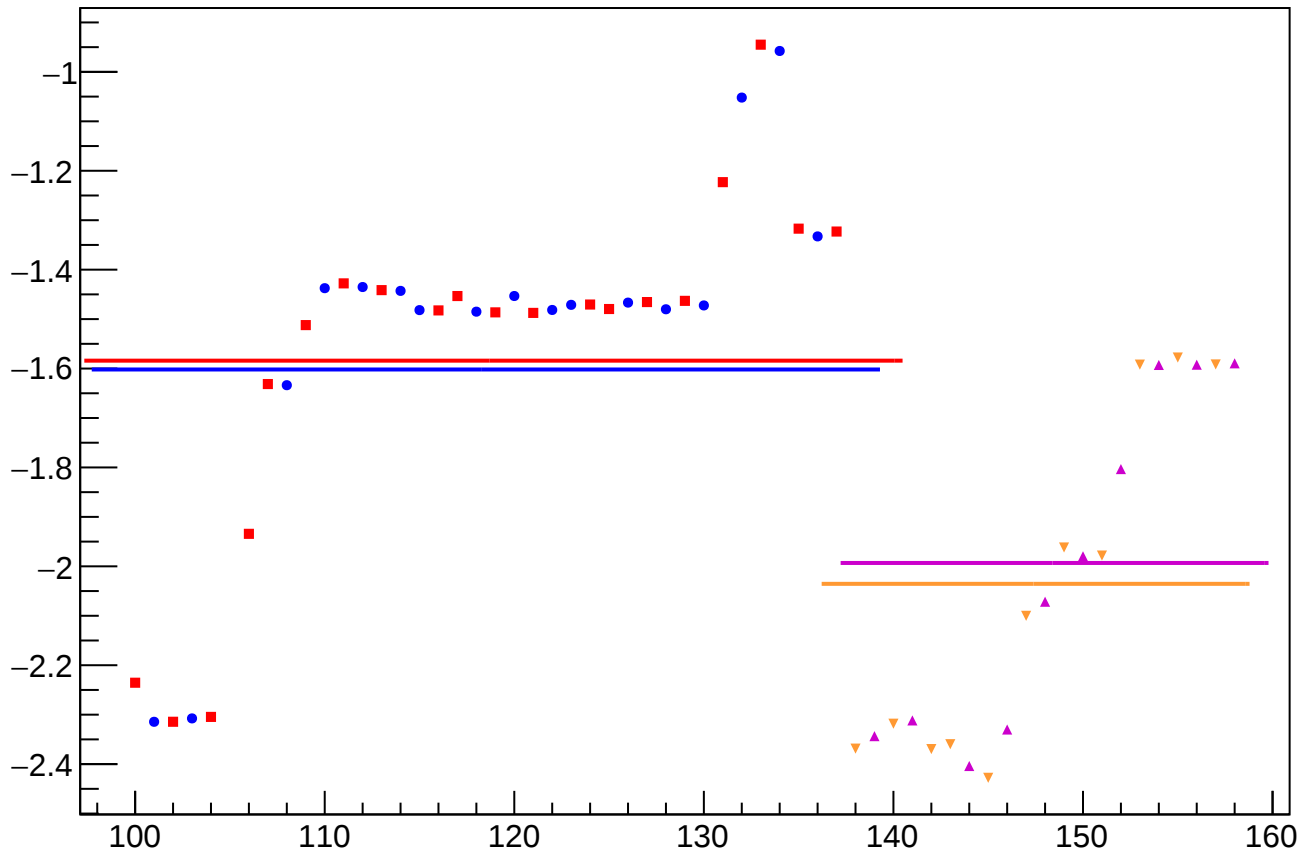
Right Out: 0.007+/-0.000 χ^2/NDF : 76121.2/19

Left In: 0.008+/-0.000 χ^2/NDF : 66667.9/9

0.007+/-0.000 χ^2/NDF : 237465.3/27

0.007+/-0.000 χ^2/NDF : 248990.8/29

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -2.035+/-0.000 χ^2/NDF : 97381110965.0/10

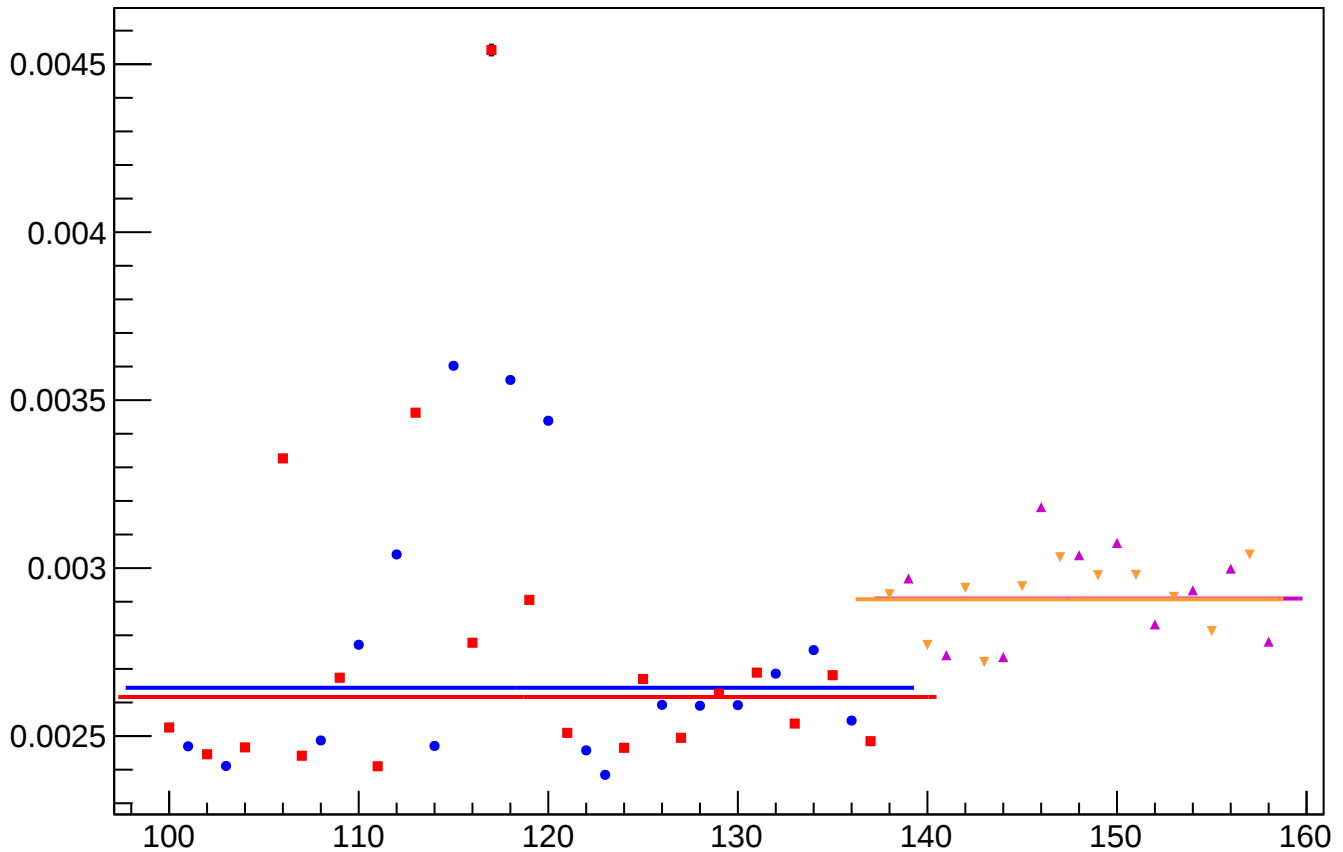
-1.818+/-0.000 χ^2/NDF : 321599544607.7/27

Right Out: -1.584+/-0.000 χ^2/NDF : 143612120137.8/19

-1.780+/-0.000 χ^2/NDF : 317912810185.1/29

Left In: -1.993+/-0.000 χ^2/NDF : 95563102679.4/9

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 :18407.8/10

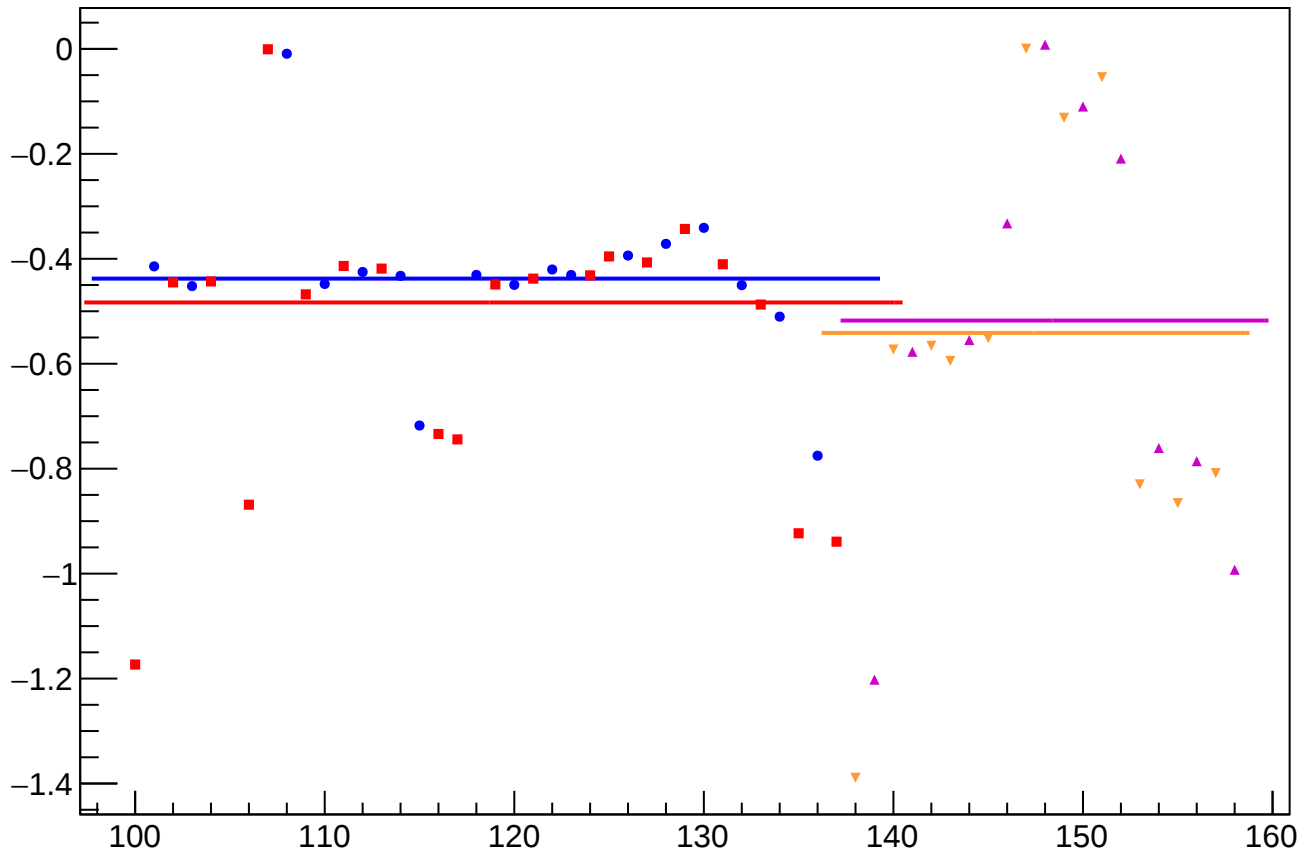
Right Out: 0.003+/-0.000 χ^2/NDF : 119852.1/19

Left In: 0.003+/-0.000 χ^2/NDF :36880.1/9

0.003+/-0.000 χ^2/NDF : 231914.3/27

0.003+/-0.000 χ^2/NDF : 237482.3/29

yield_bpm0l07X_mean vs Slug



Right In: -0.438+/-0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.541+/-0.000 χ^2/NDF : 7316915297.5/10

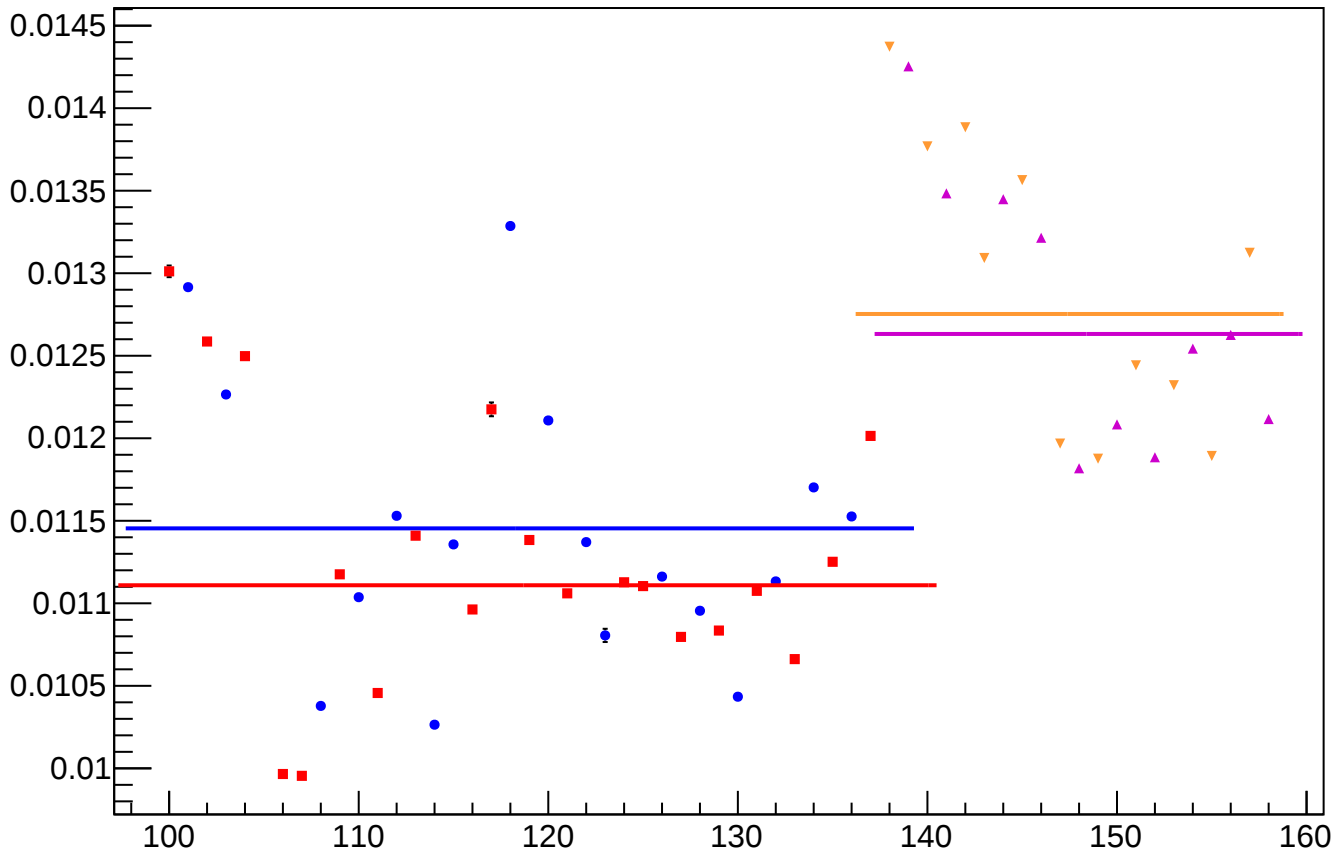
-0.488+/-0.000 χ^2/NDF : 9038034109.0/27

Right Out: -0.483+/-0.000 χ^2/NDF : 2714164016.2/19

-0.499+/-0.000 χ^2/NDF : 9290799869.7/29

Left In: -0.518+/-0.000 χ^2/NDF : 6545663785.5/9

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 : 63356.1/10

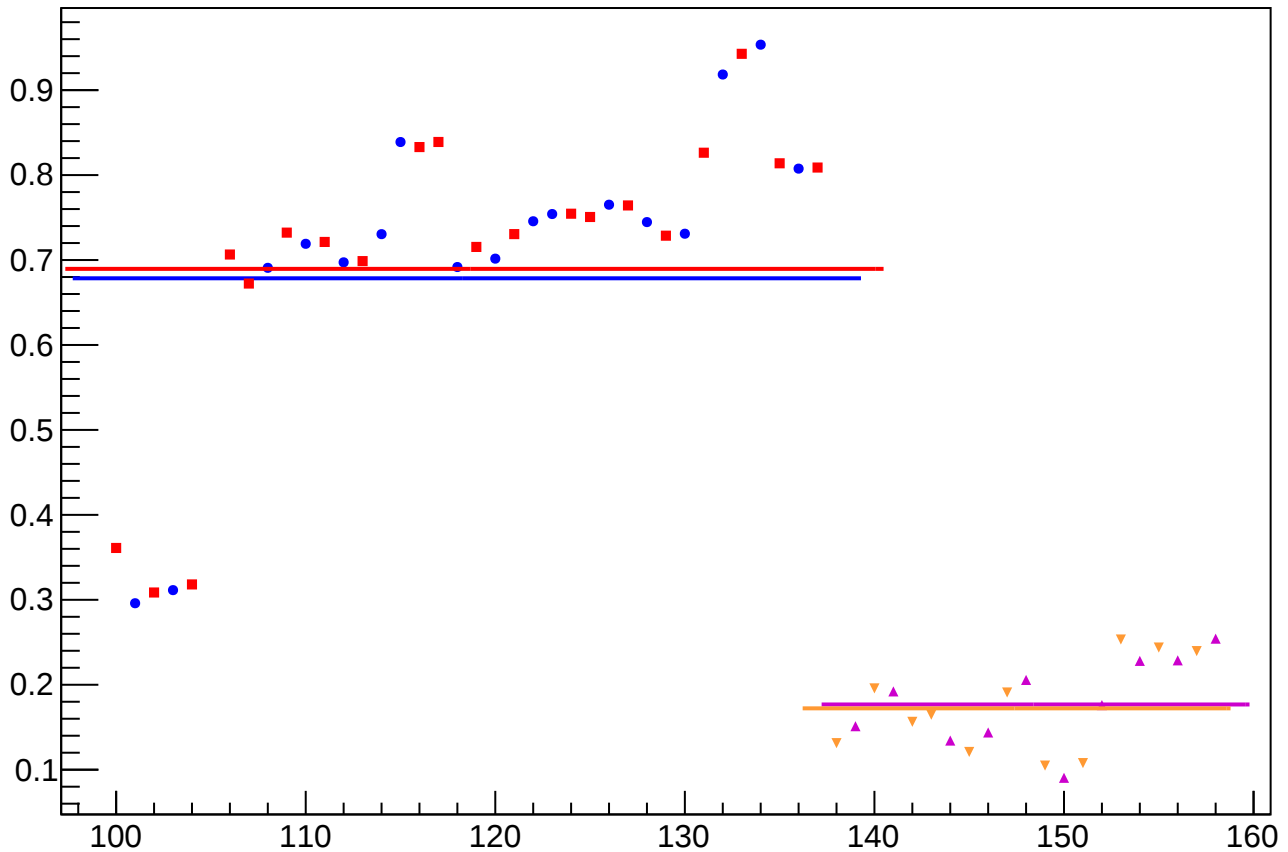
Right Out: 0.011+/-0.000 χ^2/NDF : 56696.9/19

Left In: 0.013+/-0.000 χ^2/NDF : 52097.3/9

0.012+/-0.000 χ^2/NDF : 209466.6/27

0.012+/-0.000 χ^2/NDF : 229760.5/29

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38506442638.3/16

Left Out: 0.172 $\pm$ 0.000 χ^2 /NDF: 4470882257.0/10

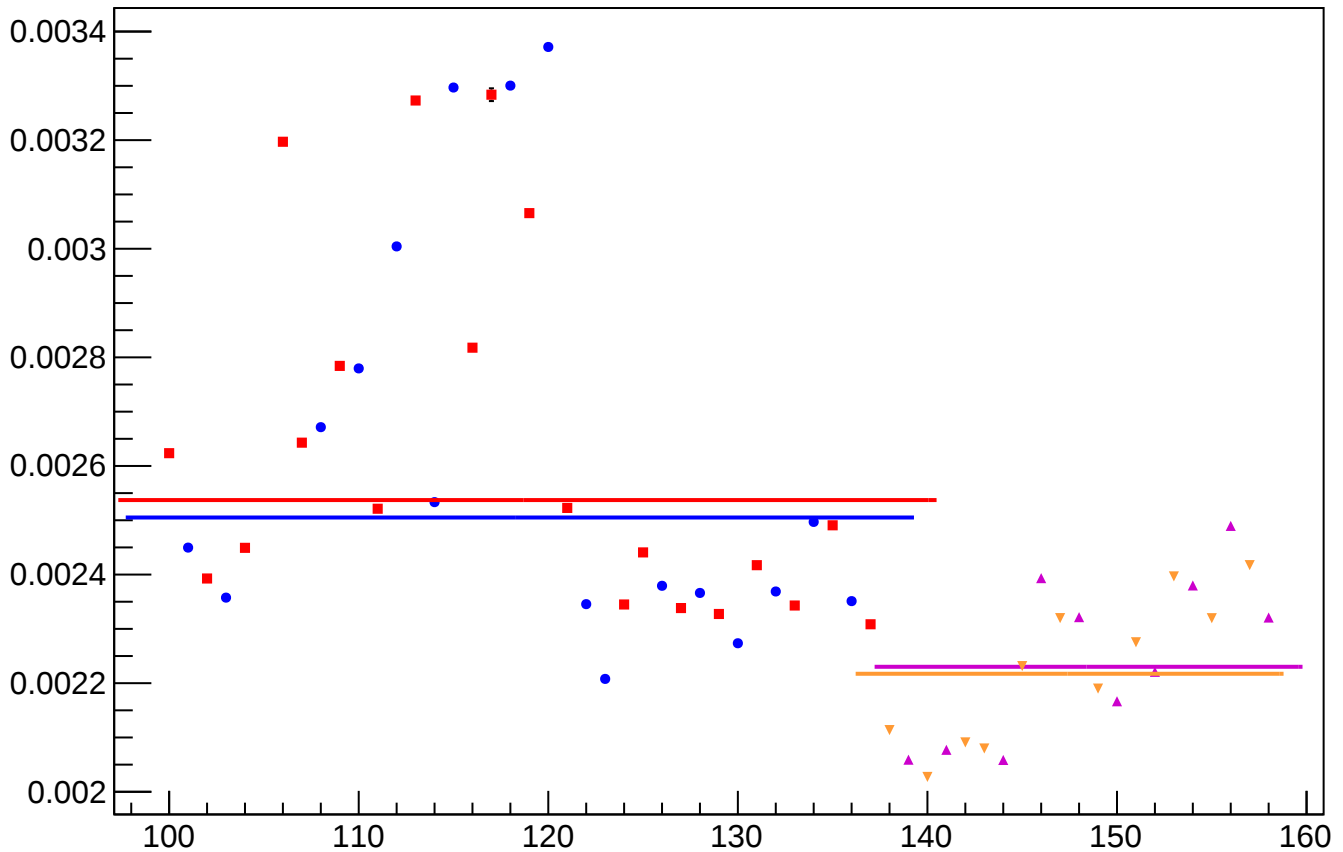
0.367 $\pm$ 0.000 χ^2 /NDF: 203250370123.5/27

Right Out: 0.690 $\pm$ 0.000 χ^2 /NDF: 35439496983.3/19

0.379 $\pm$ 0.000 χ^2 /NDF: 206129280009.1/29

Left In: 0.177 $\pm$ 0.000 χ^2 /NDF: 3792938227.5/9

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 175524.0/16

Left Out: 0.002+/-0.000 χ^2/NDF : 53003.8/10

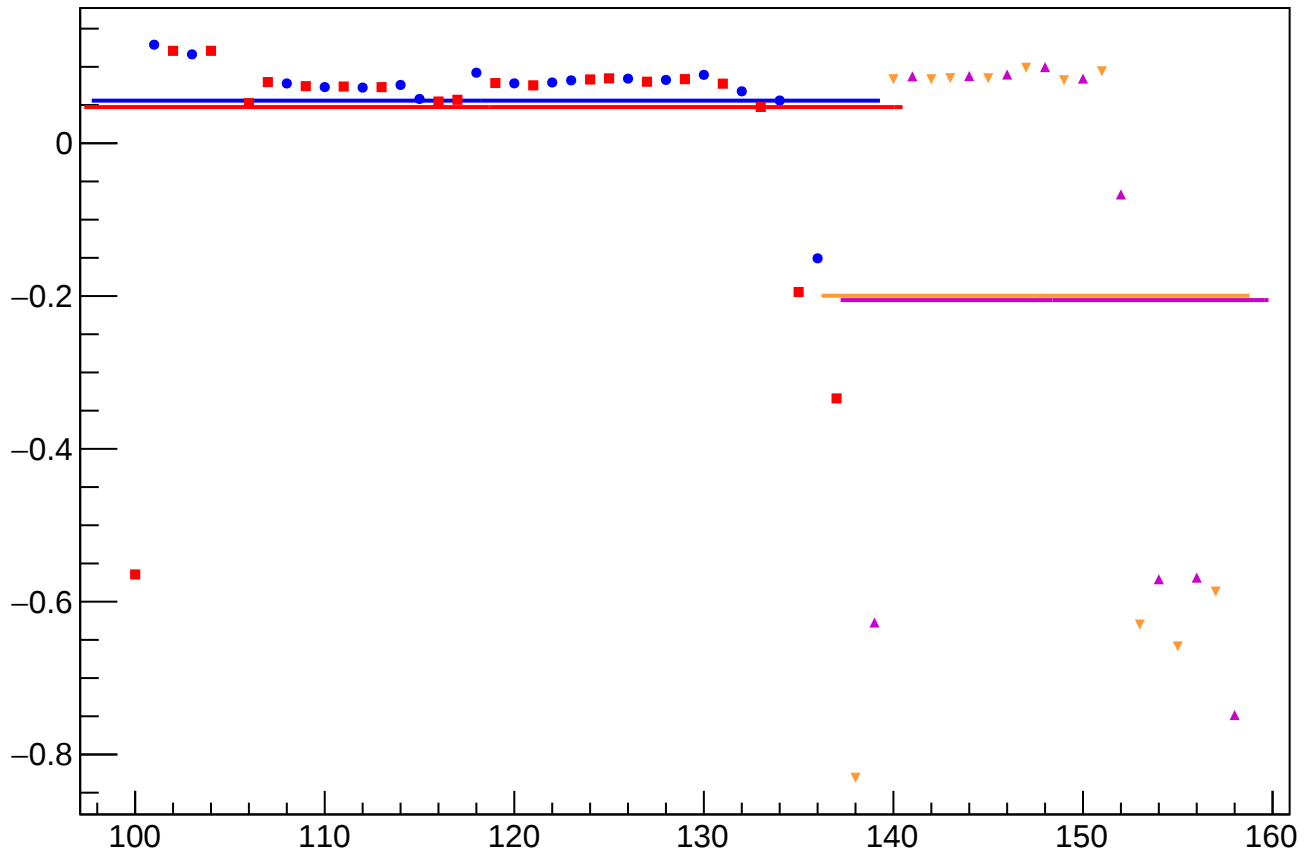
Right Out: 0.003+/-0.000 χ^2/NDF : 135649.7/19

Left In: 0.002+/-0.000 χ^2/NDF : 67554.7/9

0.002+/-0.000 χ^2/NDF : 332090.0/27

0.002+/-0.000 χ^2/NDF : 322836.2/29

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.200+/-0.000 χ^2/NDF : 7888458488.1/10

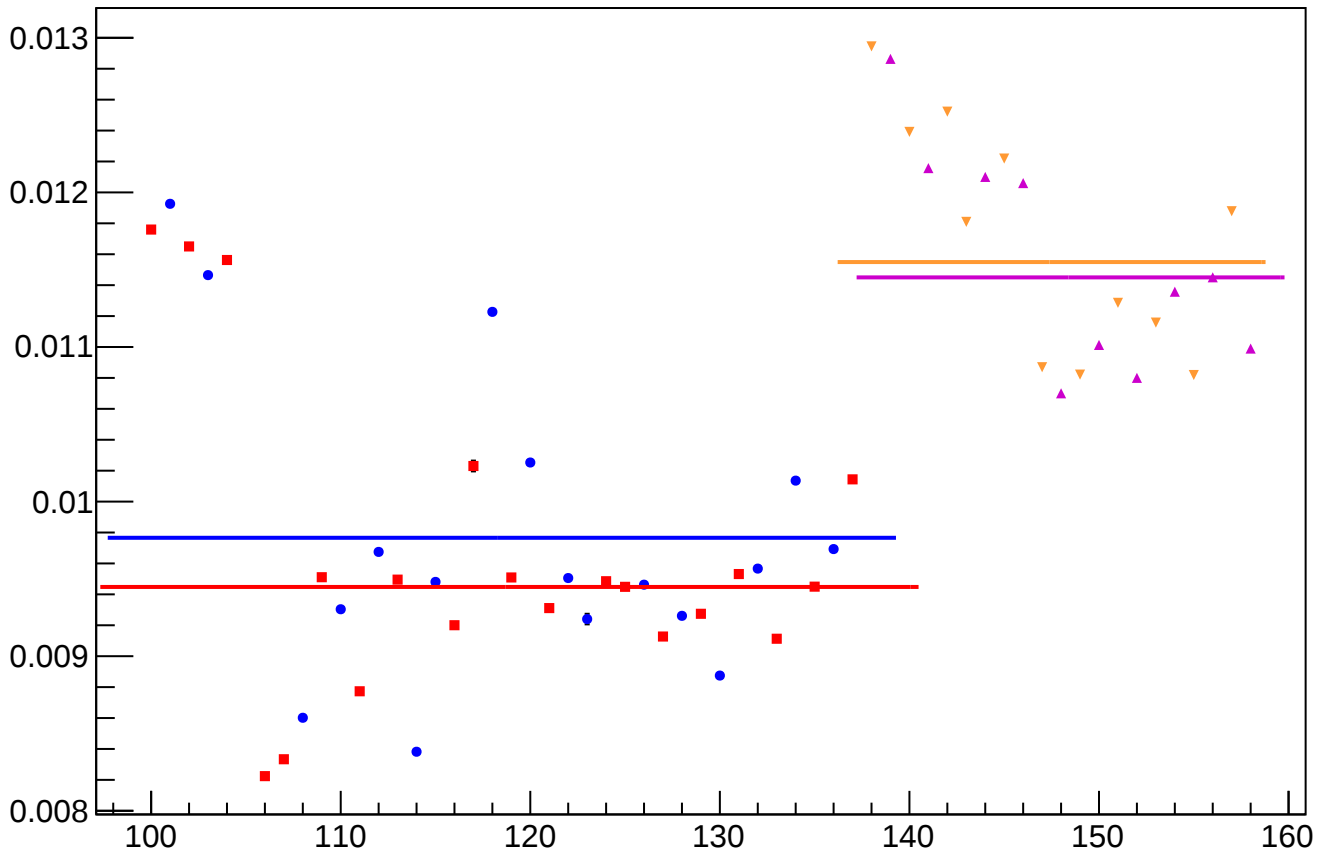
Right Out: 0.047+/-0.000 χ^2/NDF : 819626031.7/19

Left In: -0.205+/-0.000 χ^2/NDF : 6970421946.7/9

-0.062+/-0.000 χ^2/NDF : 10338818749.8/27

-0.062+/-0.000 χ^2/NDF : 9929398649.0/29

yield_bpm0l08X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 116638.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:56035.5/10

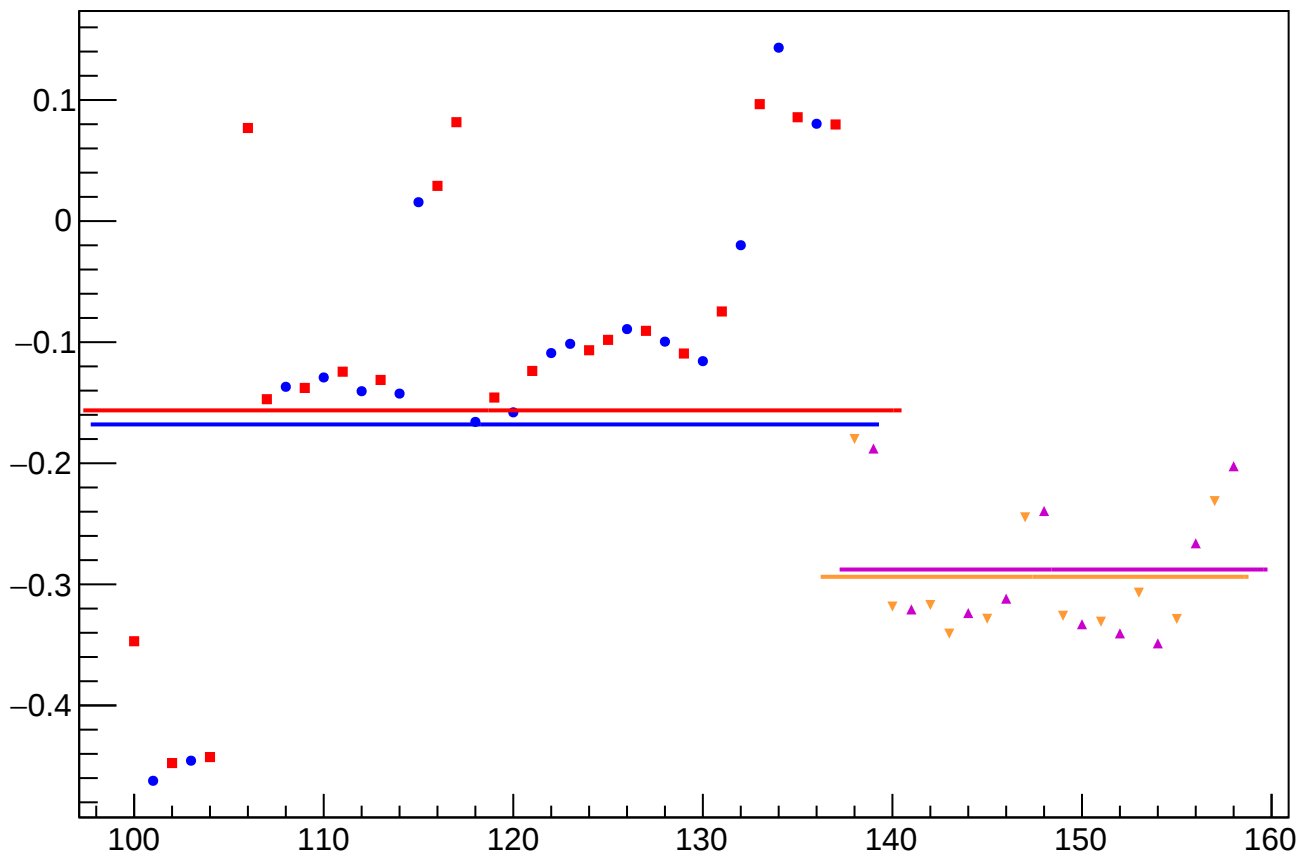
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 111197.0/19

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:48488.3/9

0.011 $\pm$ 0.000 χ^2 /NDF: 370526.4/27

0.010 $\pm$ 0.000 χ^2 /NDF: 428611.5/29

yield_bpm0l08Y_mean vs Slug



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.294+/-0.000 χ^2/NDF : 2389379083.9/10

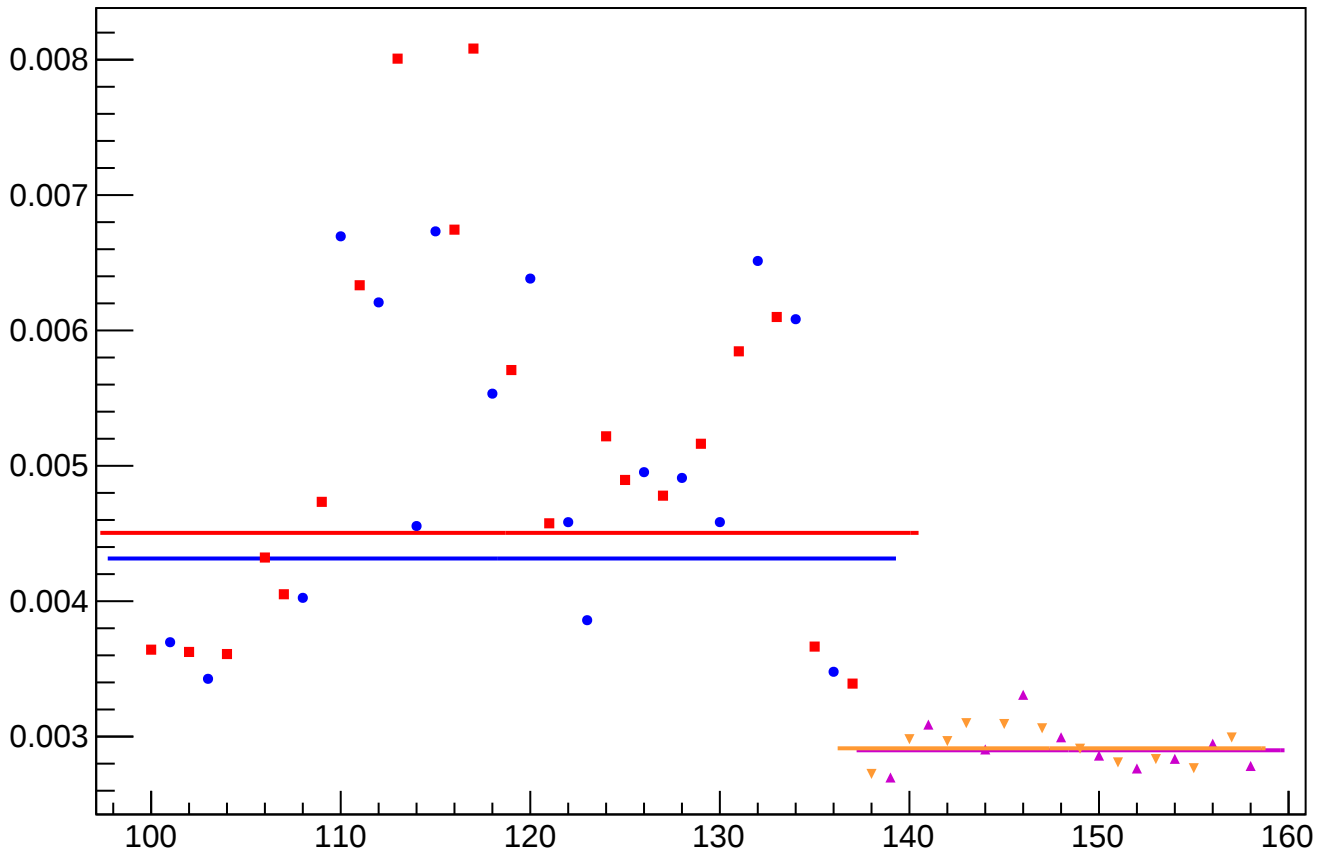
-0.261+/-0.000 χ^2/NDF : 18389674202.6/27

Right Out: -0.156+/-0.000 χ^2/NDF : 11061140252.3/19

-0.255+/-0.000 χ^2/NDF : 18073728775.3/29

Left In: -0.288+/-0.000 χ^2/NDF : 3031574365.3/9

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 : 28988.4/10

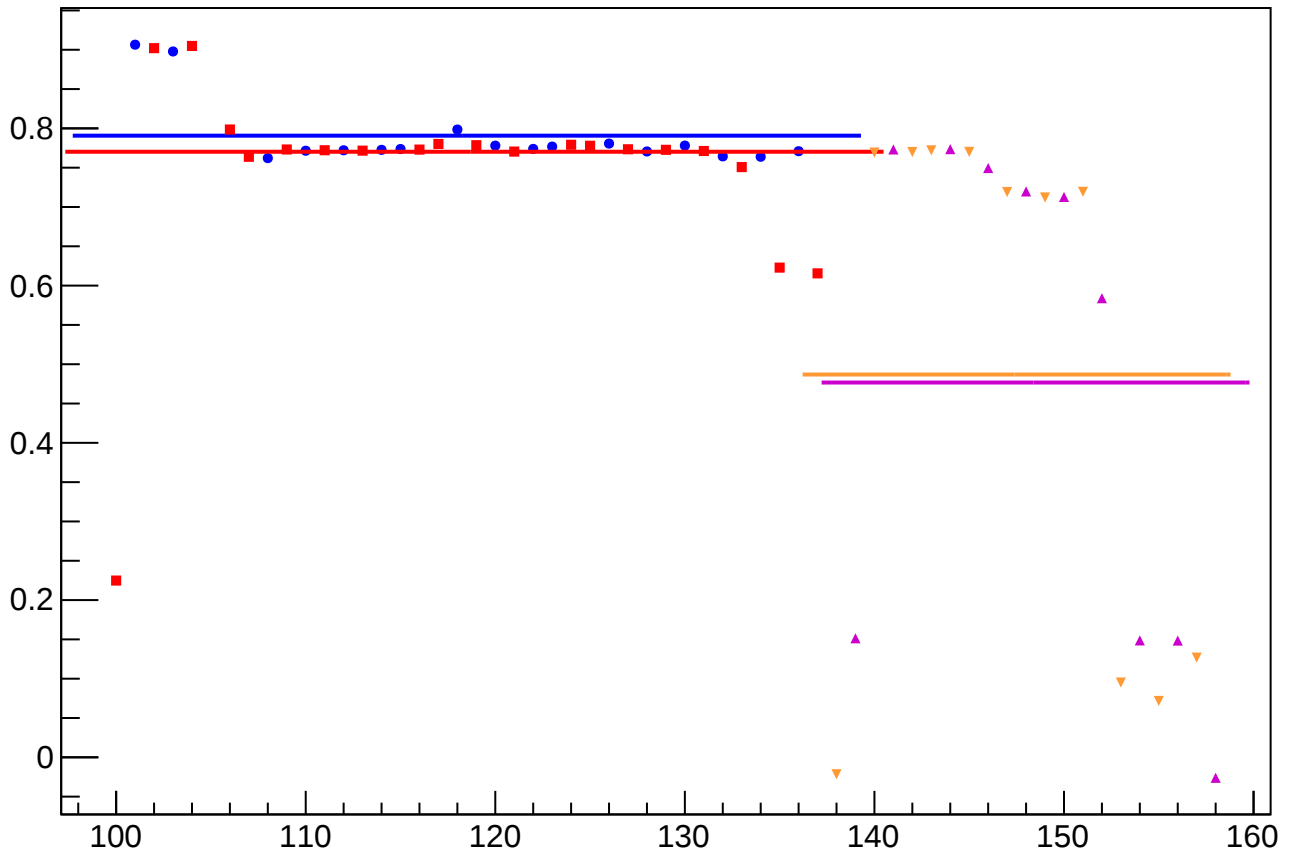
Right Out: 0.005+/-0.000 χ^2/NDF : 665152.6/19

Left In: 0.003+/-0.000 χ^2/NDF : 44536.2/9

0.003+/-0.000 χ^2/NDF : 1559792.8/27

0.003+/-0.000 χ^2/NDF : 1898796.6/29

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106705767.1/16

Left Out: 0.487 $\pm$ 0.000 χ^2 /NDF: 6517368177.3/10

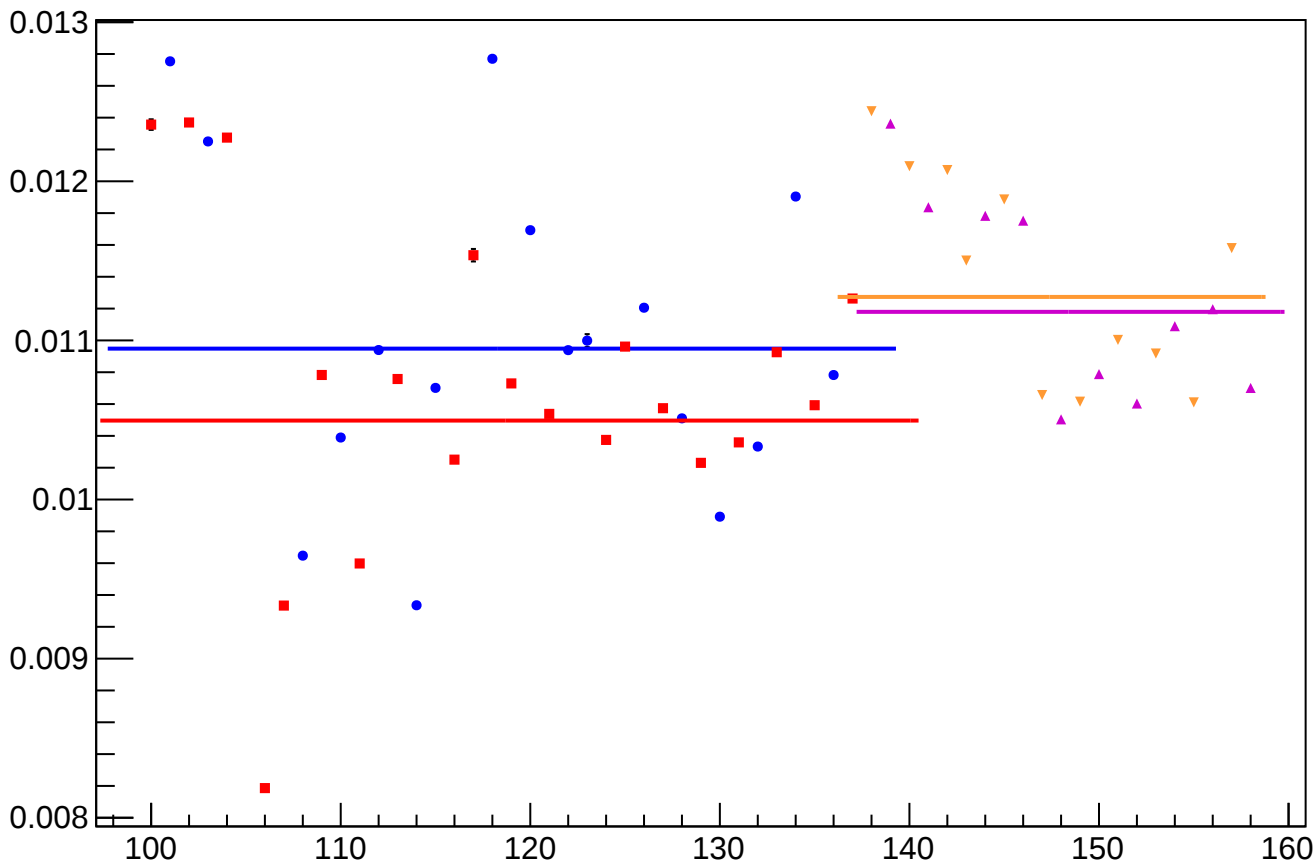
Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375473971.0/19

Left In: 0.477 $\pm$ 0.000 χ^2 /NDF: 5913011500.2/9

0.629 $\pm$ 0.000 χ^2 /NDF: 9262271178.3/27

0.624 $\pm$ 0.000 χ^2 /NDF: 8987478490.8/29

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 98551.4/16

Left Out: 0.011+/-0.000 χ^2/NDF : 47417.2/10

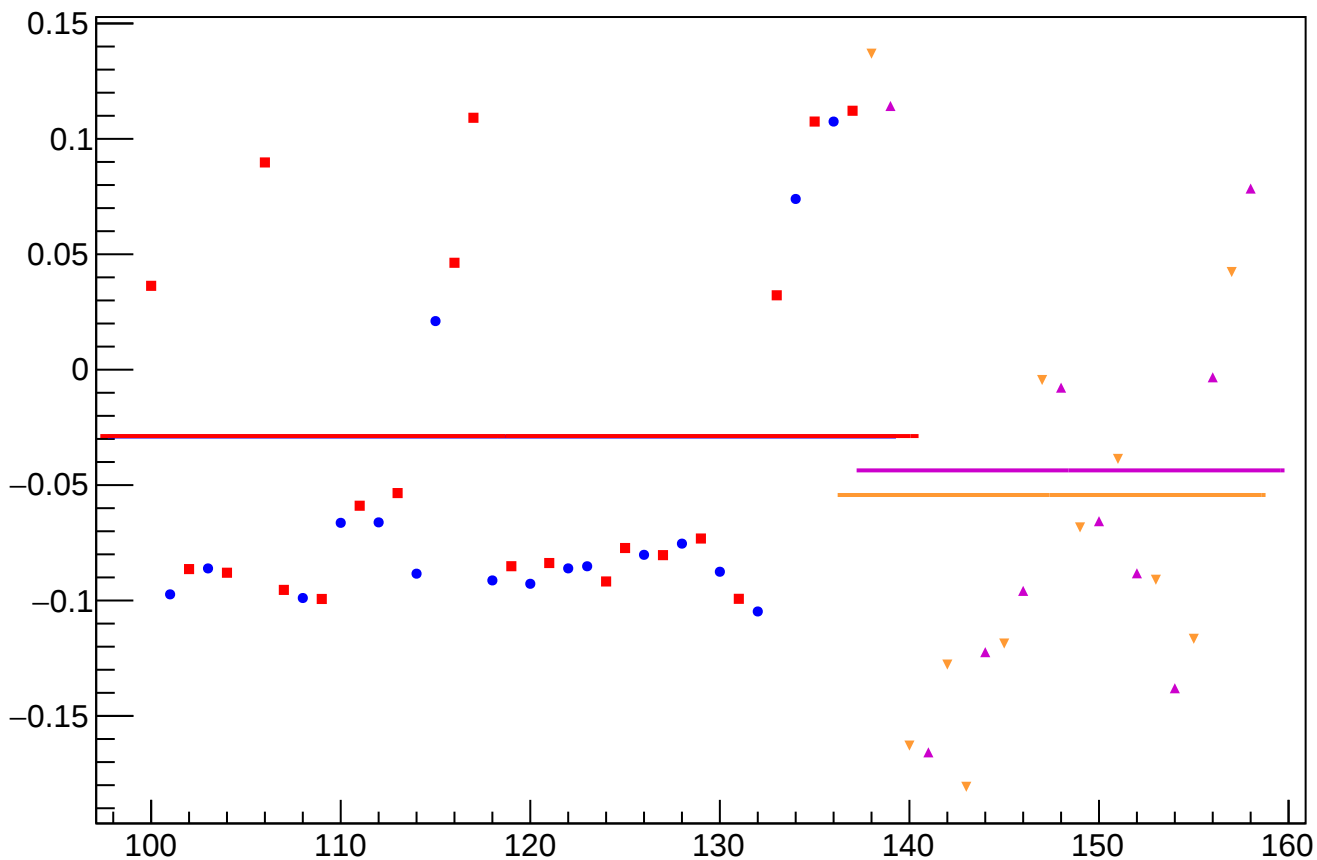
Right Out: 0.010+/-0.000 χ^2/NDF : 120120.6/19

Left In: 0.011+/-0.000 χ^2/NDF : 41509.3/9

0.011+/-0.000 χ^2/NDF : 152003.1/27

0.011+/-0.000 χ^2/NDF : 190873.8/29

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.054+/-0.000 χ^2/NDF : 5954279605.6/10

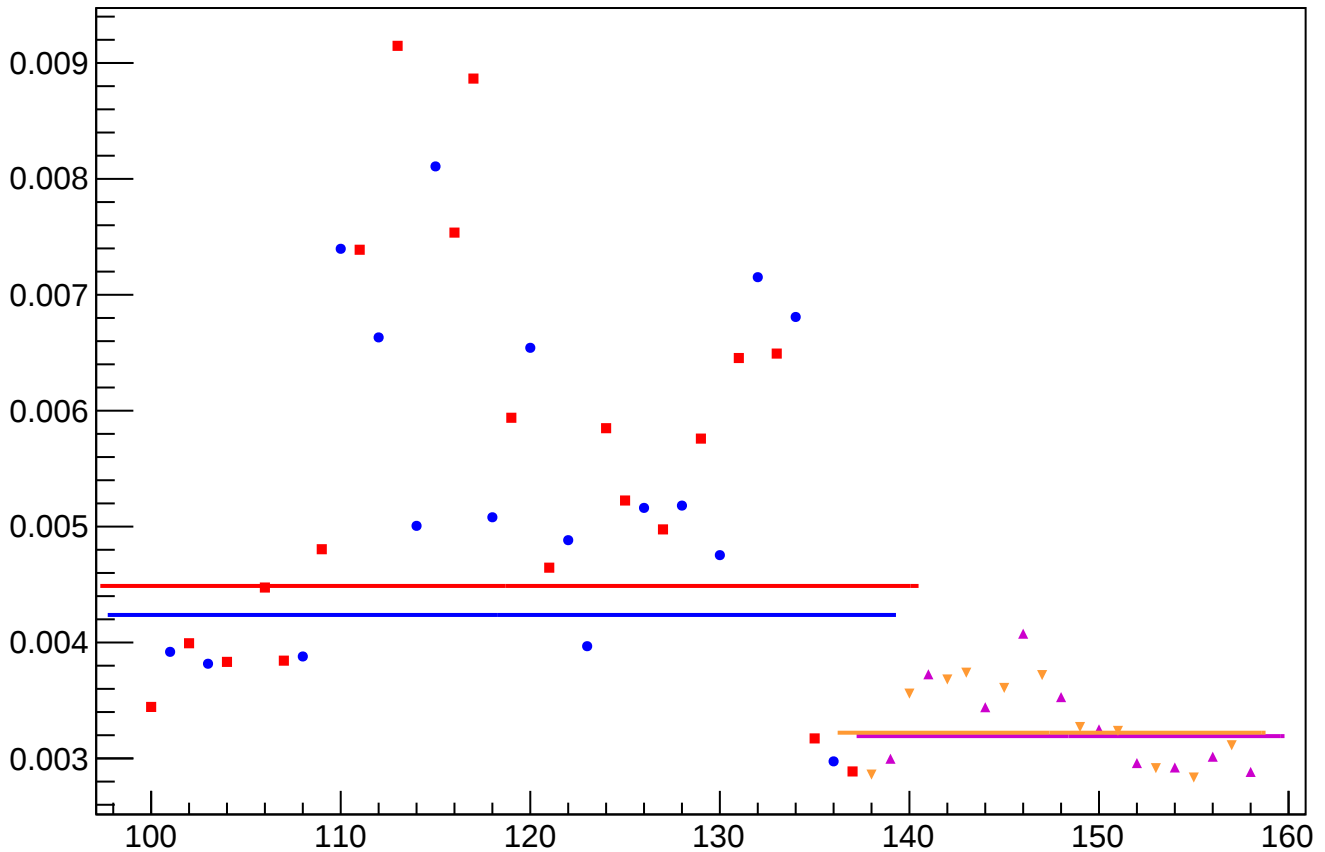
-0.047+/-0.000 χ^2/NDF : 8537305690.0/27

Right Out: -0.029+/-0.000 χ^2/NDF : 2122918772.1/19

-0.039+/-0.000 χ^2/NDF : 7977911841.4/29

Left In: -0.044+/-0.000 χ^2/NDF : 5808899811.2/9

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 881584.1/16

Left Out: 0.003+/-0.000 χ^2/NDF :156671.9/10

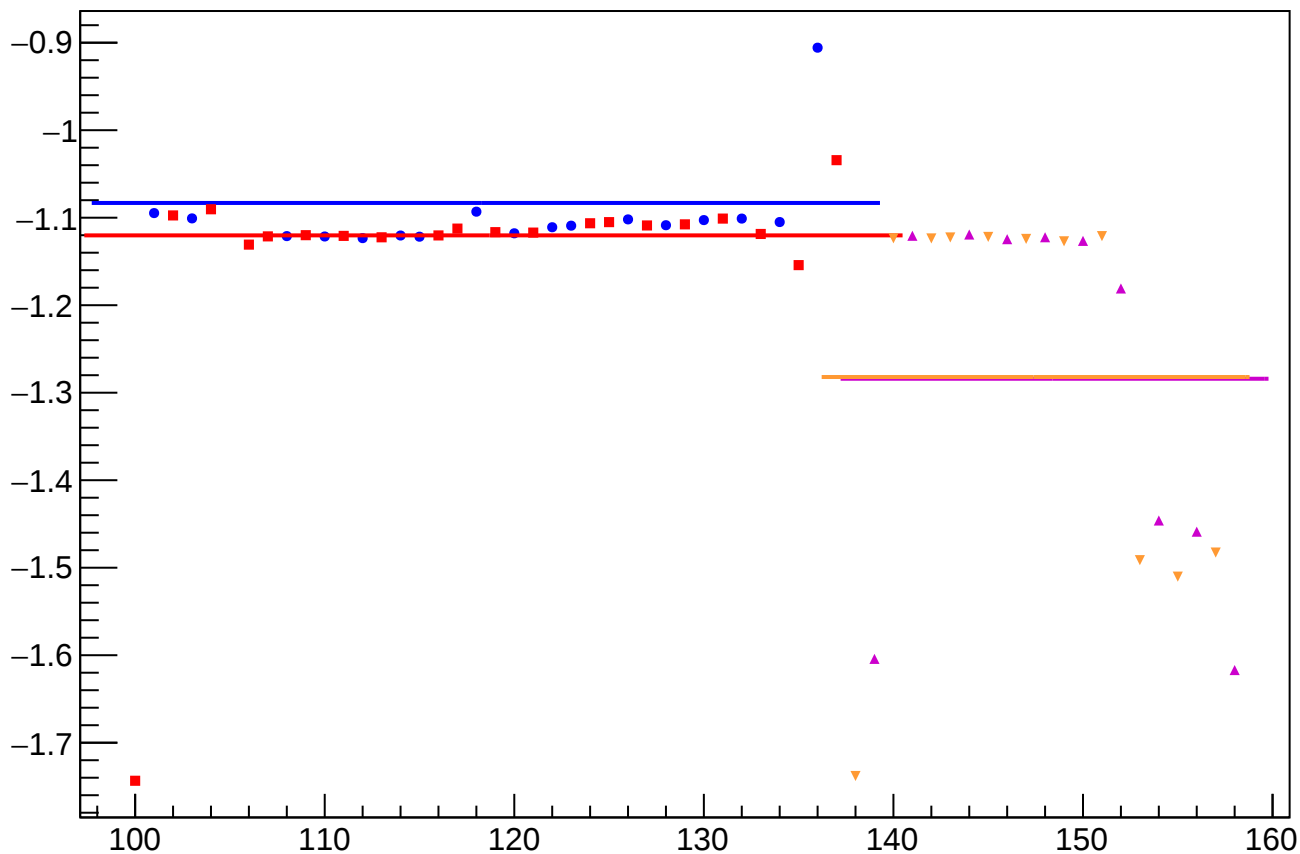
Right Out: 0.004+/-0.000 χ^2/NDF : 1003473.4/19

Left In: 0.003+/-0.000 χ^2/NDF :168337.7/9

0.004+/-0.000 χ^2/NDF : 1478629.2/27

0.004+/-0.000 χ^2/NDF : 1871438.9/29

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2/NDF : 202920901.6/16

Left Out: -1.282+/-0.000 χ^2/NDF : 3394153519.2/10

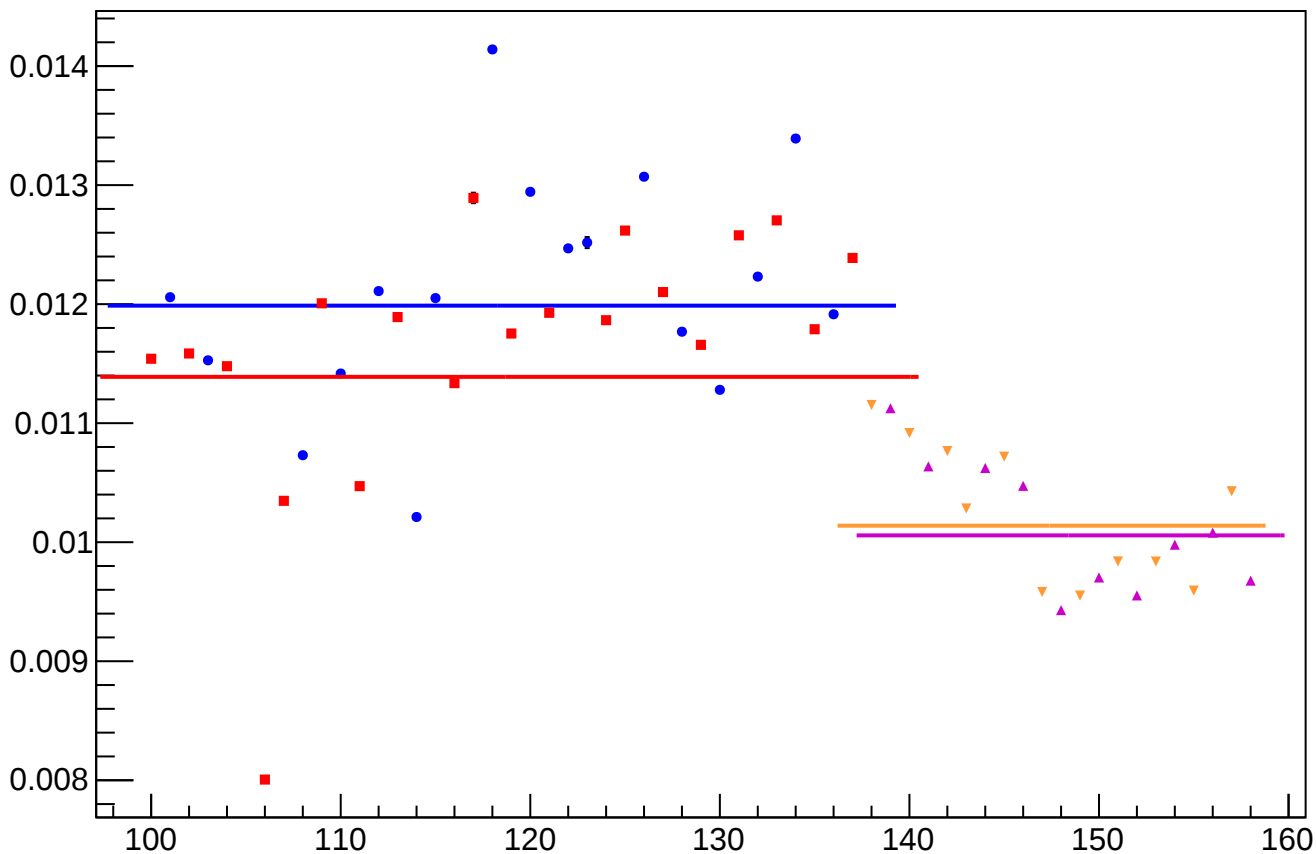
Right Out: -1.120+/-0.000 χ^2/NDF : 220586820.0/19

Left In: -1.284+/-0.000 χ^2/NDF : 3052765866.6/9

-1.208+/-0.000 χ^2/NDF : 4711654543.7/27

-1.217+/-0.000 χ^2/NDF : 4118849650.3/29

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 60402.0/16

Left Out: 0.010+/-0.000 χ^2/NDF :46342.4/10

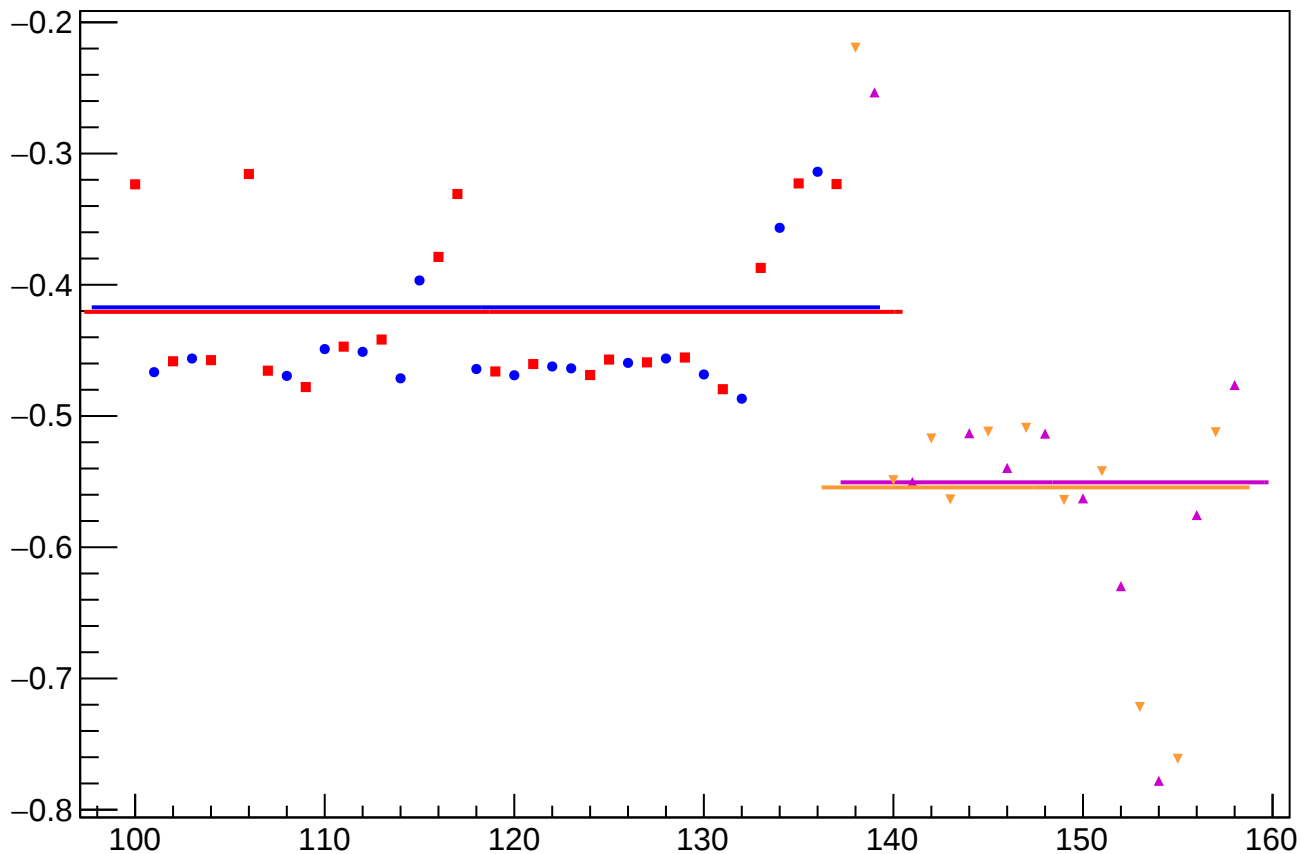
Right Out: 0.011+/-0.000 χ^2/NDF : 155700.3/19

Left In: 0.010+/-0.000 χ^2/NDF :40303.1/9

0.011+/-0.000 χ^2/NDF : 299232.1/27

0.011+/-0.000 χ^2/NDF : 307757.1/29

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.554+/-0.000 χ^2/NDF : 12443858987.0/10

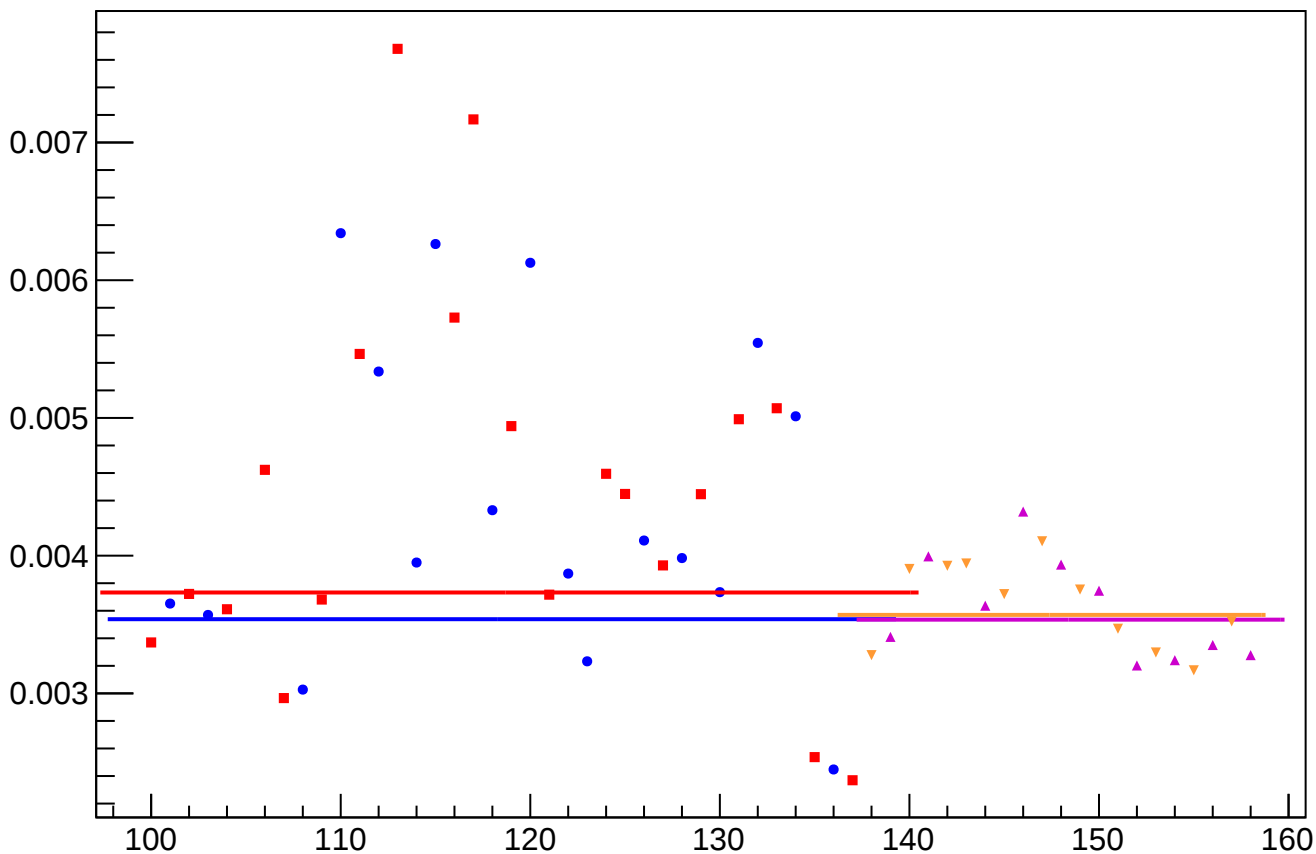
Right Out: -0.421+/-0.000 χ^2/NDF : 1652792044.5/19

Left In: -0.551+/-0.000 χ^2/NDF : 9899300716.2/9

-0.496+/-0.000 χ^2/NDF : 19155050383.3/27

-0.496+/-0.000 χ^2/NDF : 15715274846.5/29

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 836154.0/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:104097.4/10

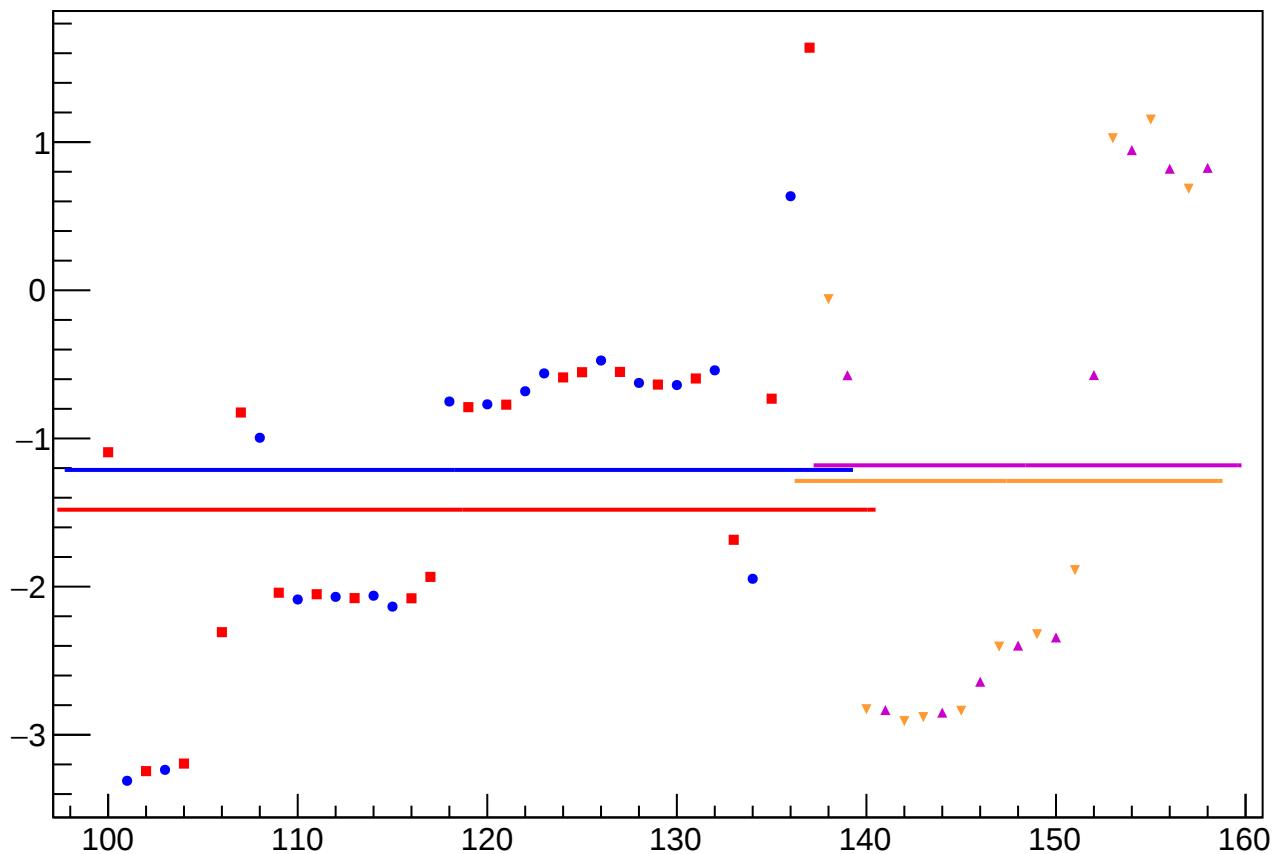
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 916963.6/19

Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:131034.8/9

0.004 $\pm$ 0.000 χ^2 /NDF: 940736.1/27

0.004 $\pm$ 0.000 χ^2 /NDF: 1067195.8/29

yield_bpm0r03X_mean vs Slug



Right In: -1.212+/-0.000 χ^2/NDF : 1992853443.9/16

Left Out: -1.287+/-0.000 χ^2/NDF : 3752391339.3/10

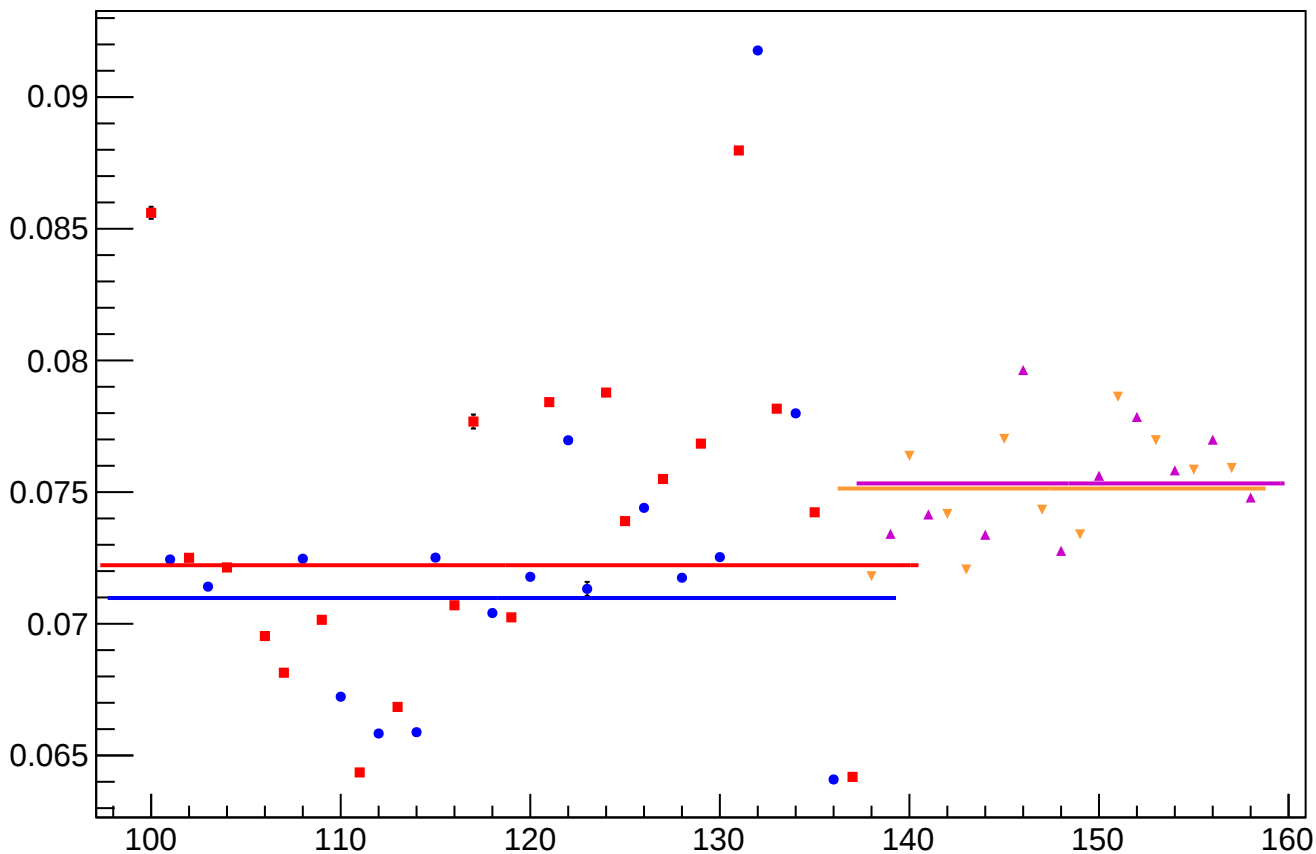
Right Out: -1.481+/-0.000 χ^2/NDF : 1579722113.8/19

Left In: -1.181+/-0.000 χ^2/NDF : 3371555557.3/9

-1.251+/-0.000 χ^2/NDF : 5748976111.4/27

-1.328+/-0.000 χ^2/NDF : 5012712388.0/29

yield_bpm0r03X_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF : 77589.5/16

Left Out: 0.075+/-0.000 χ^2/NDF :12244.6/10

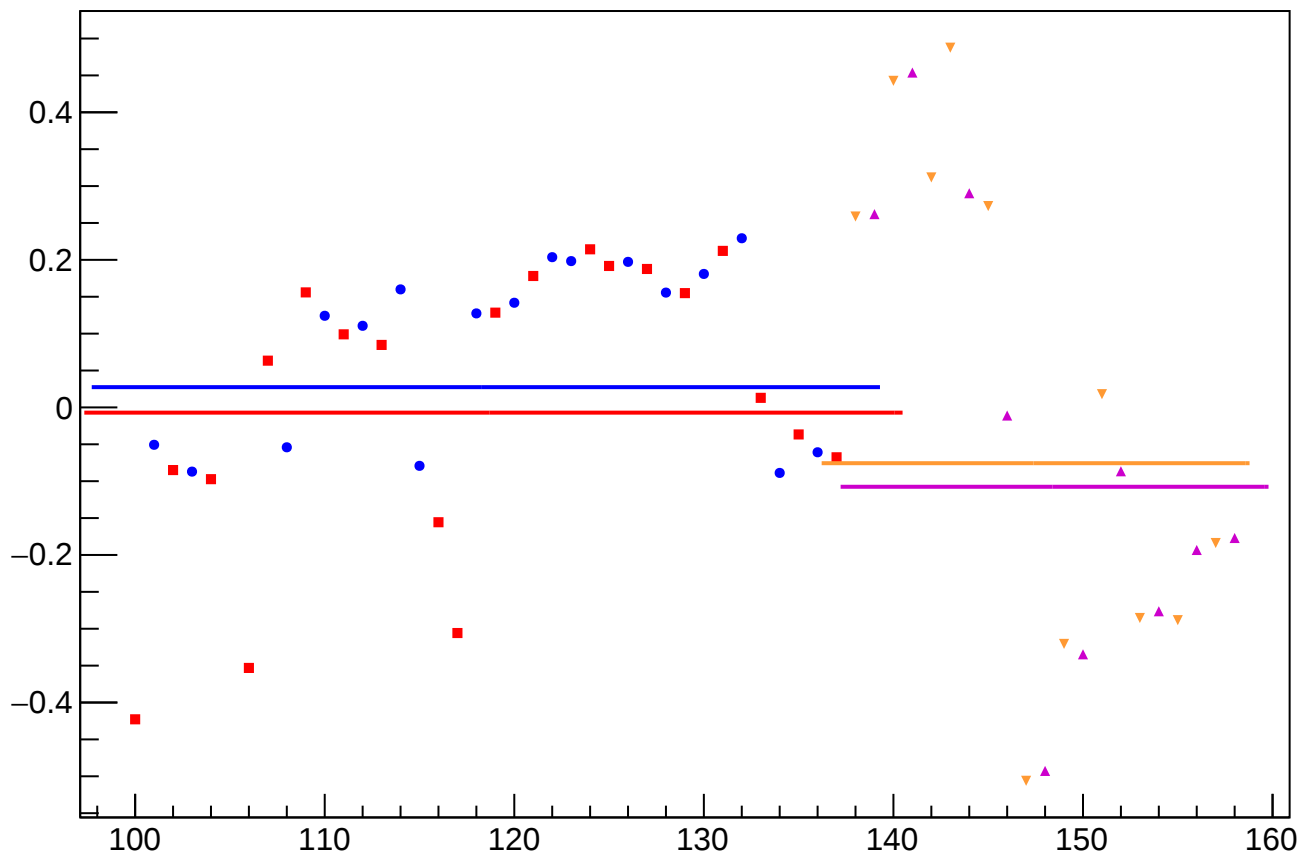
Right Out: 0.072+/-0.000 χ^2/NDF : 73650.9/19

Left In: 0.075+/-0.000 χ^2/NDF :11382.5/9

0.073+/-0.000 χ^2/NDF : 113251.6/27

0.074+/-0.000 χ^2/NDF : 98243.6/29

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562337631.4/16

Left Out: -0.076+/-0.000 χ^2/NDF : 12719367875.0/10

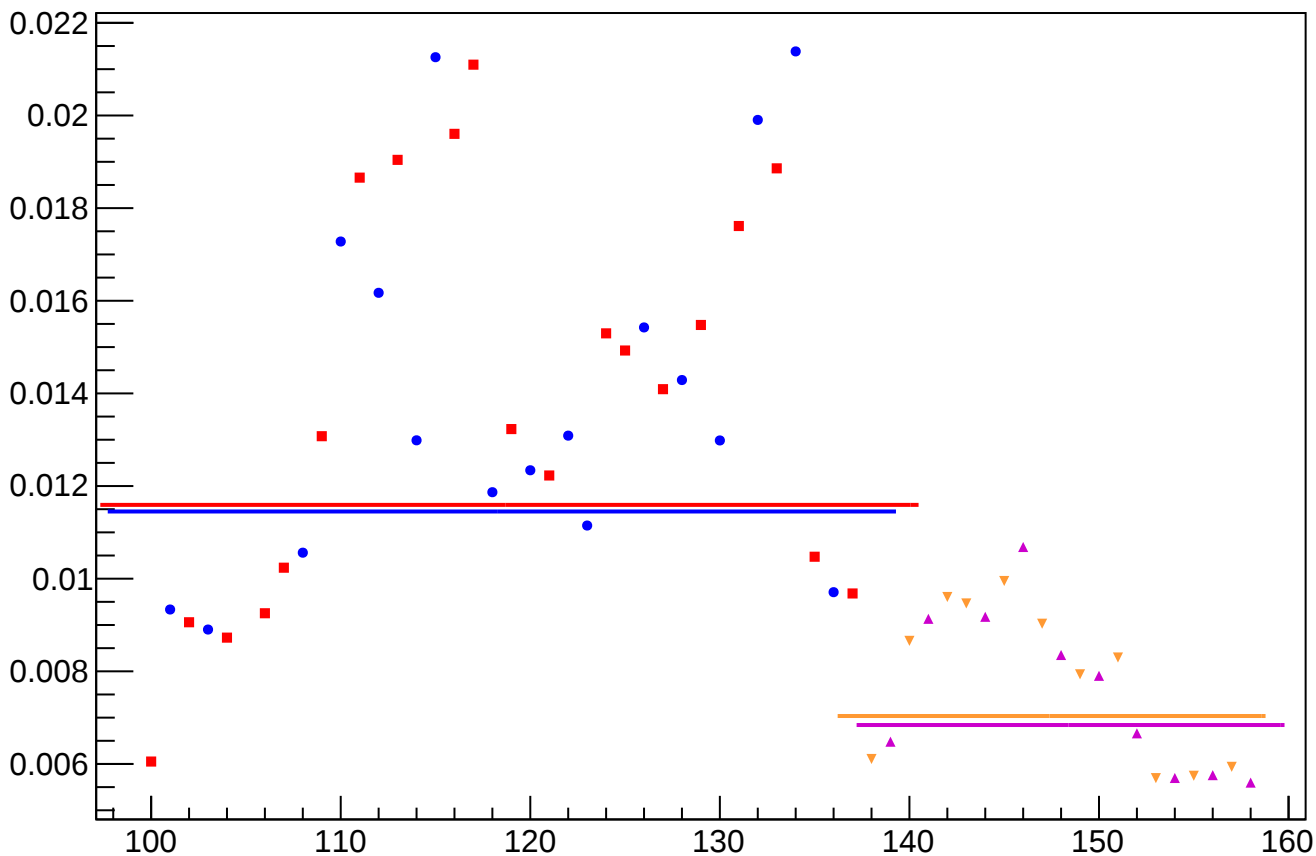
Right Out: -0.007+/-0.000 χ^2/NDF : 1207003891.2/19

Left In: -0.108+/-0.000 χ^2/NDF : 9713806623.9/9

-0.052+/-0.000 χ^2/NDF : 13639269409.0/27

-0.085+/-0.000 χ^2/NDF : 11269044094.0/29

yield_bpm0r03Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 679628.0/16

Left Out: 0.007+/-0.000 χ^2/NDF : 664768.7/10

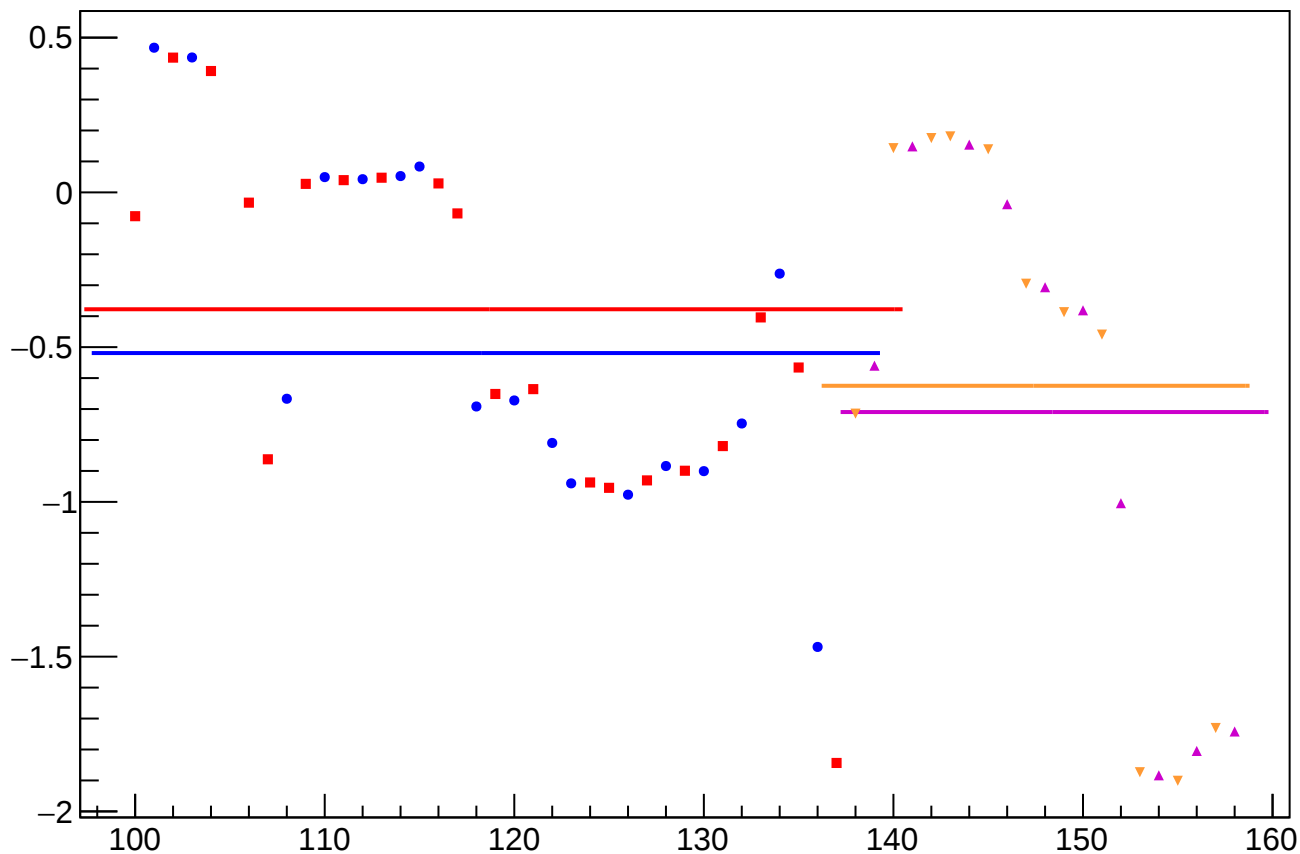
Right Out: 0.012+/-0.000 χ^2/NDF : 1012799.2/19

Left In: 0.007+/-0.000 χ^2/NDF : 650583.5/9

0.008+/-0.000 χ^2/NDF : 2656689.7/27

0.008+/-0.000 χ^2/NDF : 3221580.9/29

yield_bpm0r05X_mean vs Slug



Right In: -0.519+/-0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.625+/-0.000 χ^2/NDF : 662685805.4/10

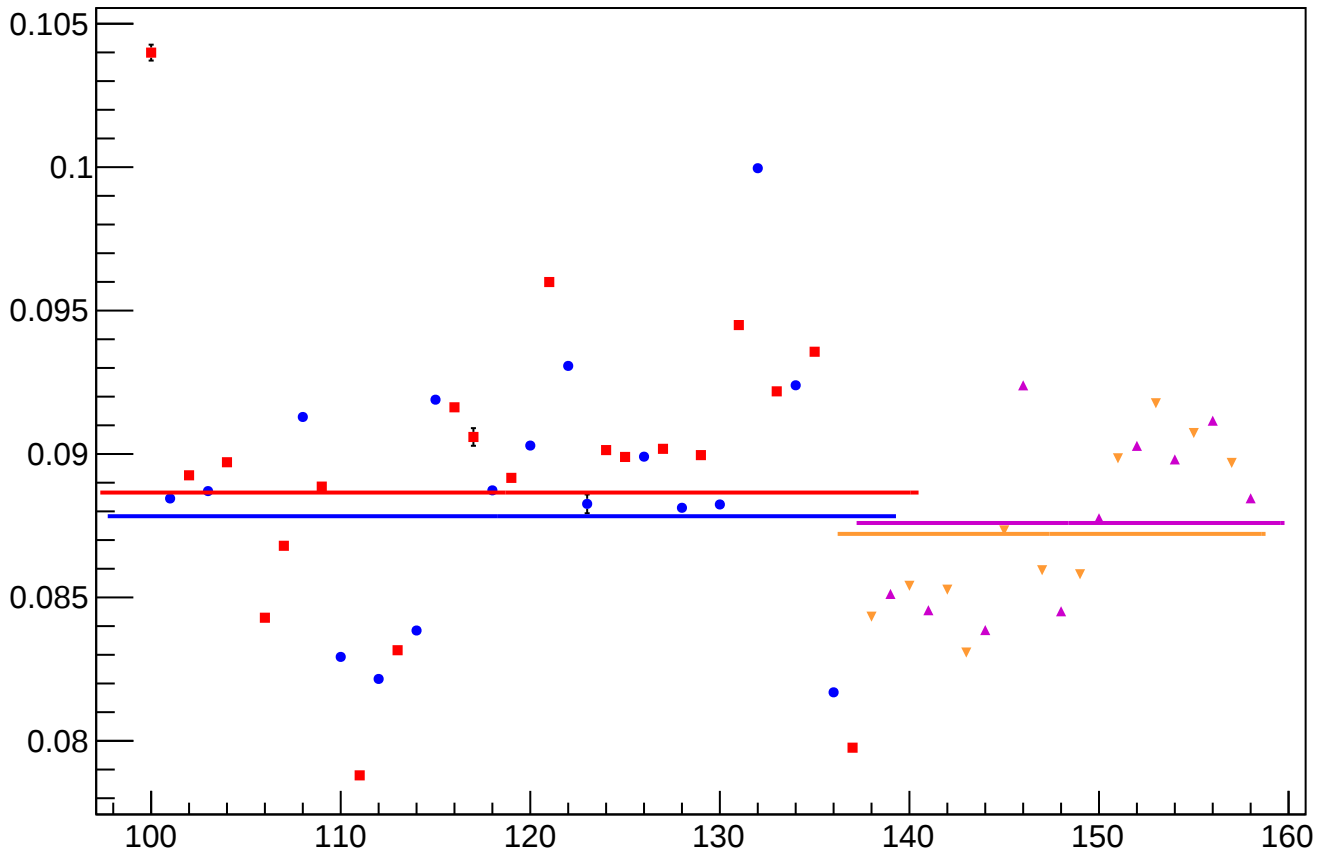
Right Out: -0.378+/-0.000 χ^2/NDF : 269130827.6/19

Left In: -0.710+/-0.000 χ^2/NDF : 625577005.4/9

-0.577+/-0.000 χ^2/NDF : 1007406750.2/27

-0.556+/-0.000 χ^2/NDF : 948419742.2/29

yield_bpm0r05X_rms vs Slug



Right In: 0.088+/-0.000 χ^2/NDF : 34954.4/16

Left Out: 0.087+/-0.000 χ^2/NDF : 15717.1/10

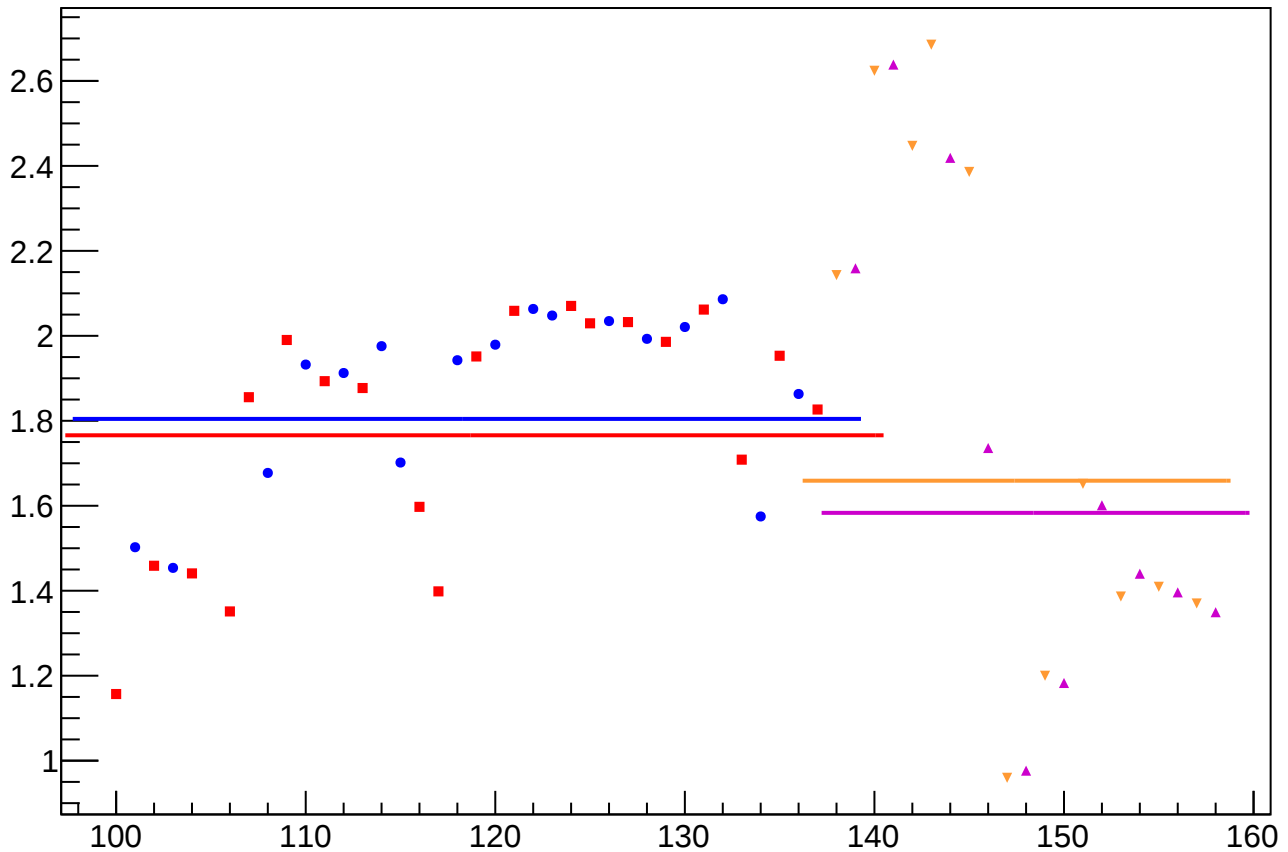
Right Out: 0.089+/-0.000 χ^2/NDF : 39762.8/19

Left In: 0.088+/-0.000 χ^2/NDF : 18043.5/9

0.087+/-0.000 χ^2/NDF : 51034.0/27

0.088+/-0.000 χ^2/NDF : 58902.3/29

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156747883.2/16

Left Out: 1.659 $\pm$ 0.000 χ^2 /NDF: 20994908894.8/10

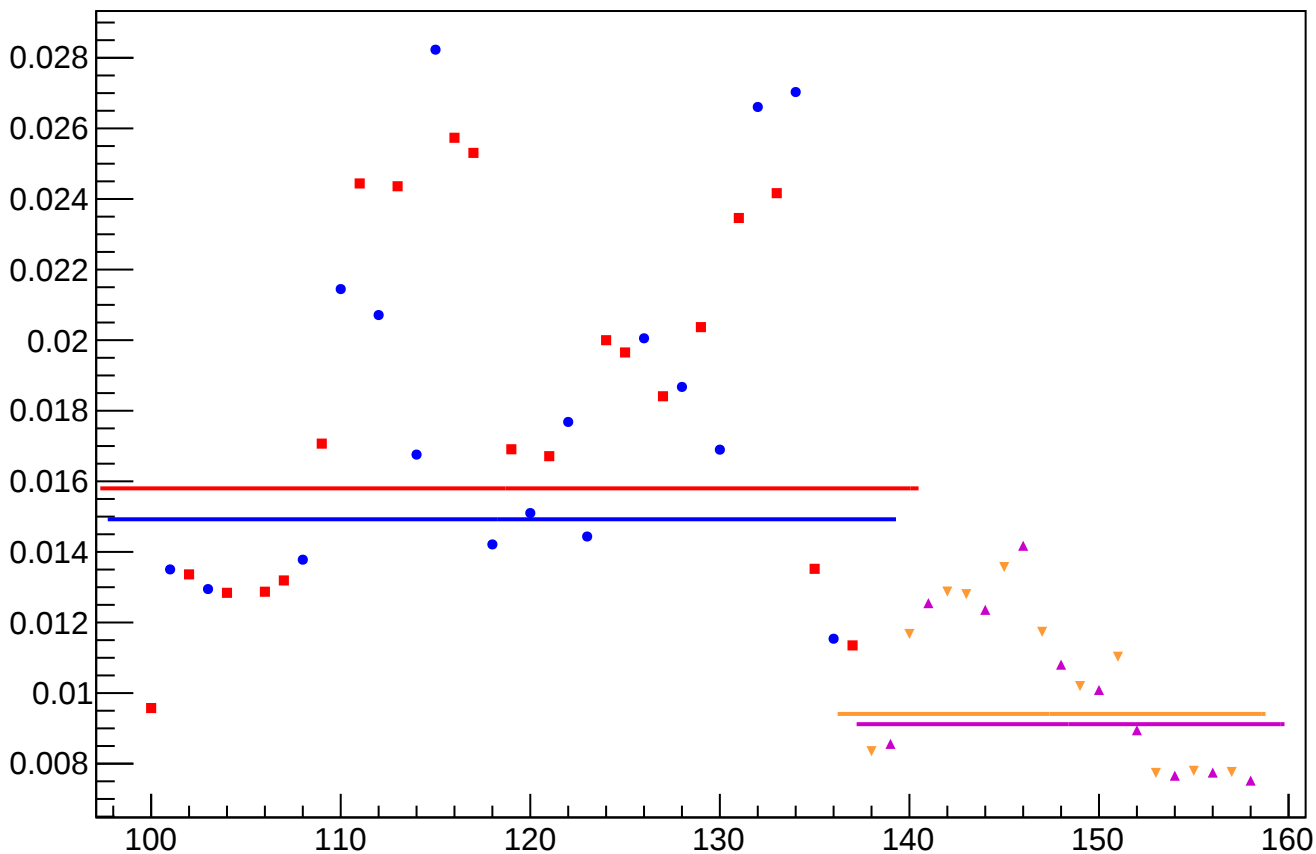
Right Out: 1.766 $\pm$ 0.000 χ^2 /NDF: 1717275187.7/19

Left In: 1.583 $\pm$ 0.000 χ^2 /NDF: 17097066444.5/9

1.694 $\pm$ 0.000 χ^2 /NDF: 22567506350.1/27

1.623 $\pm$ 0.000 χ^2 /NDF: 19449282224.0/29

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 : 645887.3/10

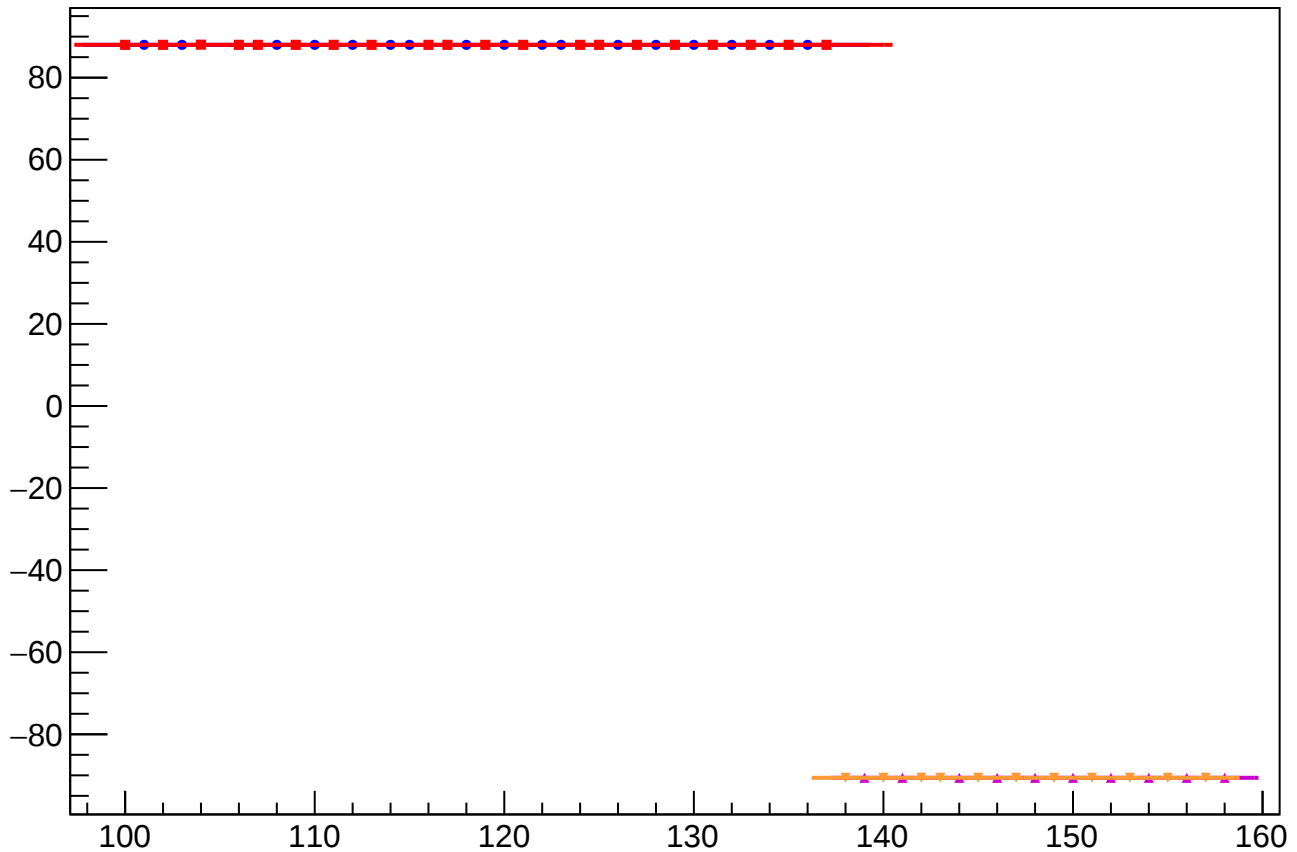
Right Out: 0.016+/-0.000 χ^2/NDF : 796839.8/19

Left In: 0.009+/-0.000 χ^2/NDF : 629534.3/9

0.011+/-0.000 χ^2/NDF : 2485387.1/27

0.011+/-0.000 χ^2/NDF : 3126851.8/29

epics_VWienAngles_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 1852068.7/16

Left Out: -90.599+/-0.000 χ^2/NDF : 3538337.8/10

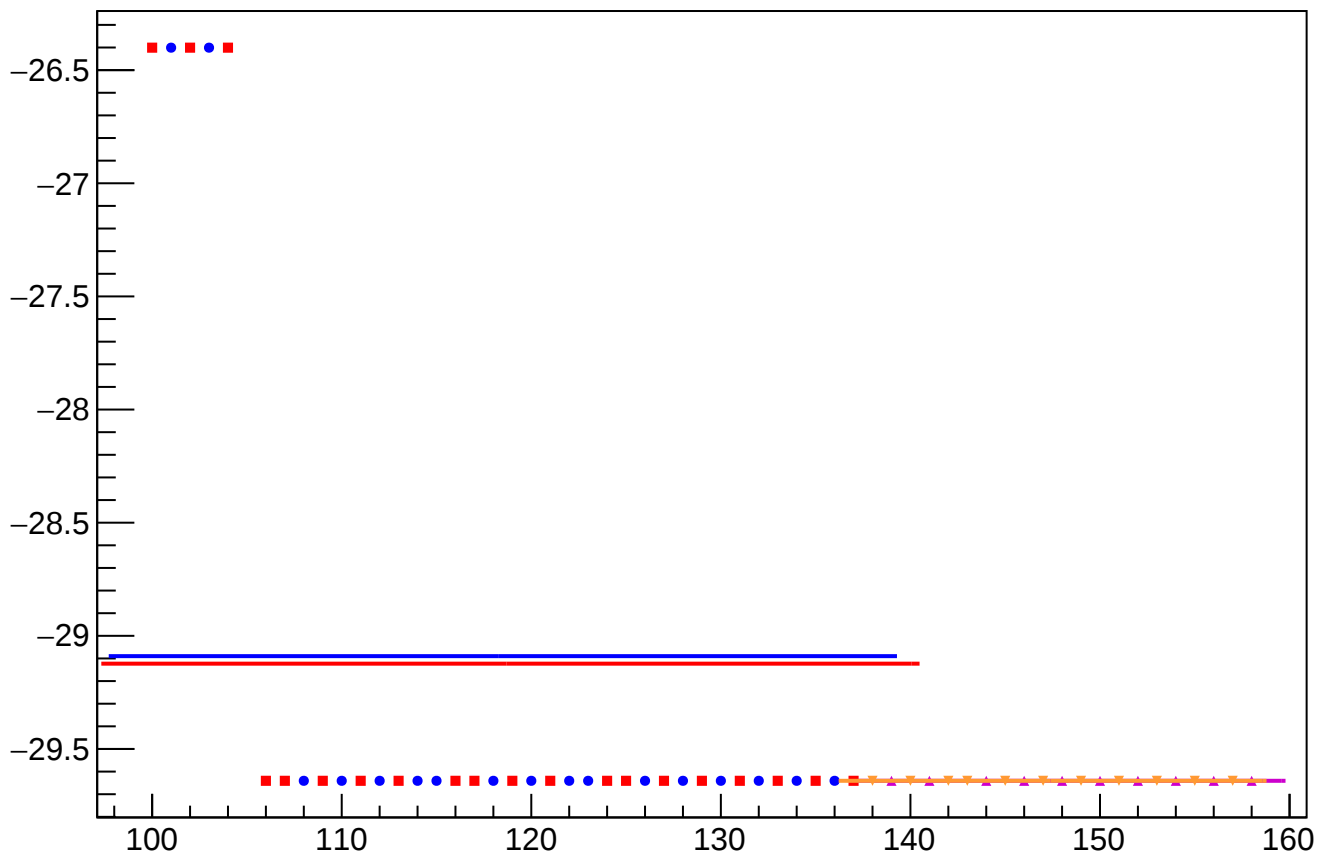
Right Out: 88.004+/-0.000 χ^2/NDF : 77578366411928007427611426816.0/19

Left In: -90.599+/-0.000 χ^2/NDF : 1004895.2/9

-9.640+/-0.000 χ^2/NDF : 121024318803918892

-7.904+/-0.000 χ^2/NDF : 124359619416985378

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 :175556.3/10

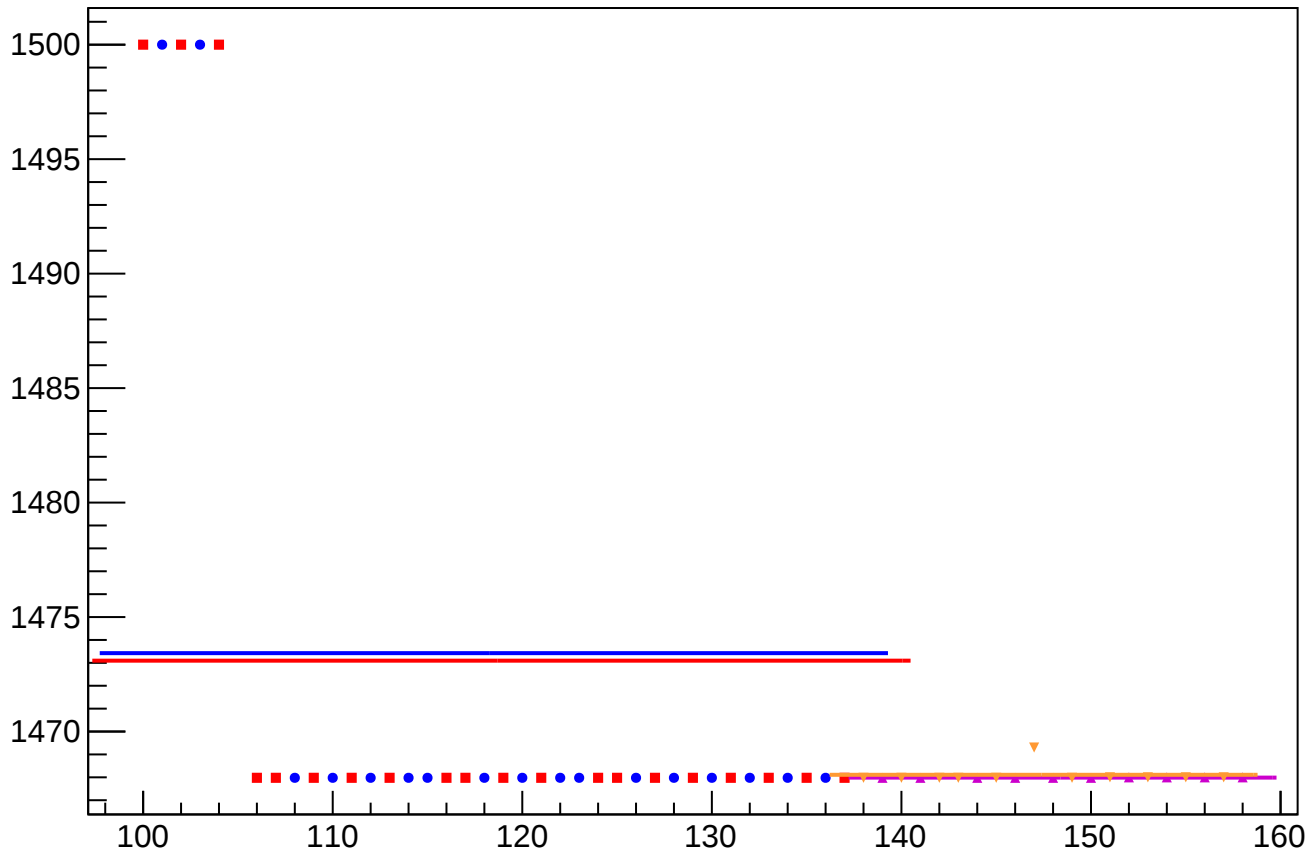
Right Out: -29.123+/-0.000 χ^2/NDF : 1023154512396702254583444720844800.0/19

Left In: -29.641+/-0.000 χ^2/NDF :62465.2/9

-29.391+/-0.000 χ^2/NDF : 11432441792292536

-29.401+/-0.000 χ^2/NDF : 11276350530612066

epics_psub_pl_poss_mean vs Slug



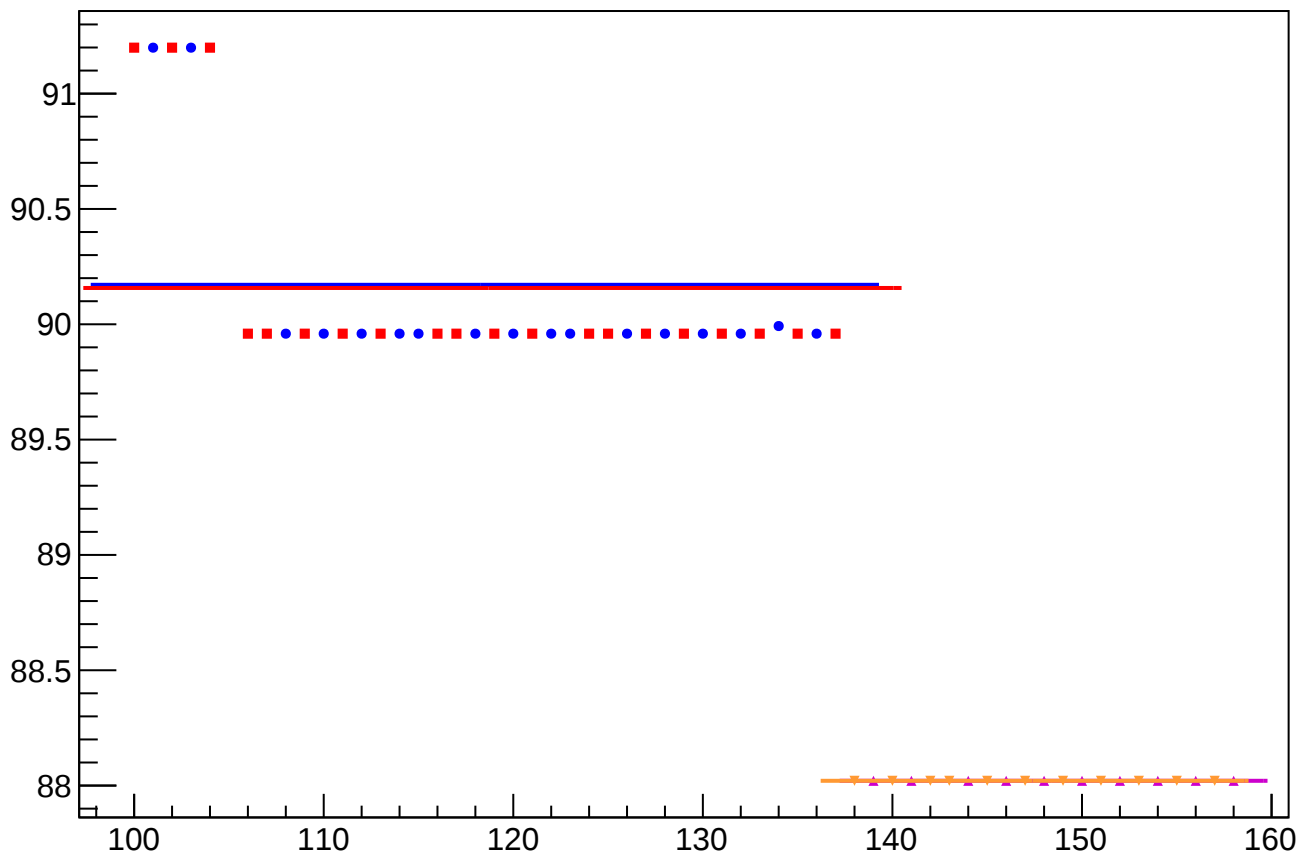
Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1468.110+/-0.000 χ^2/NDF : 122153489690230065868803323985920.0/10

Right Out: 1473.096+/-0.000 χ^2/NDF : 99938310777099611815298348687032320.0/19

Left In: 1467.987+/-0.000 χ^2/NDF : 81159619928364101572610752512.0/9

epics_Phi_FGs_mean vs Slug



Right In: 90.171+/-0.000 χ^2/NDF : 150316905454500935857801185460224.0/16

Left Out: 88.021+/-0.000 χ^2/NDF : 2908662.7/10

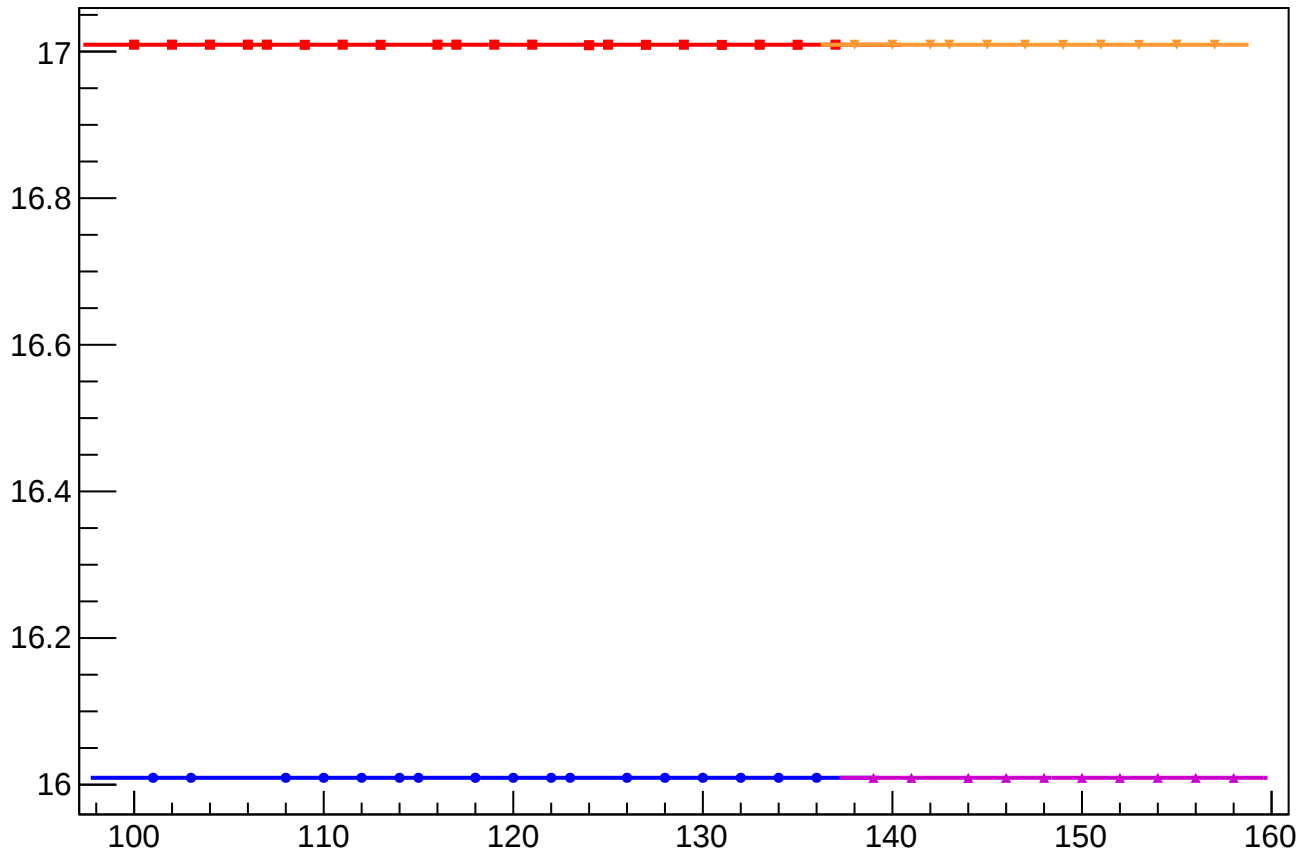
Right Out: 90.157+/-0.000 χ^2/NDF : 149863052341628336344772108091392.0/19

Left In: 88.021+/-0.000 χ^2/NDF : 1143633.7/9

88.995+/-0.000 χ^2/NDF : 190484435698409109

89.010+/-0.000 χ^2/NDF : 192977318659384796

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 : 10172081769806569953820672.0/10

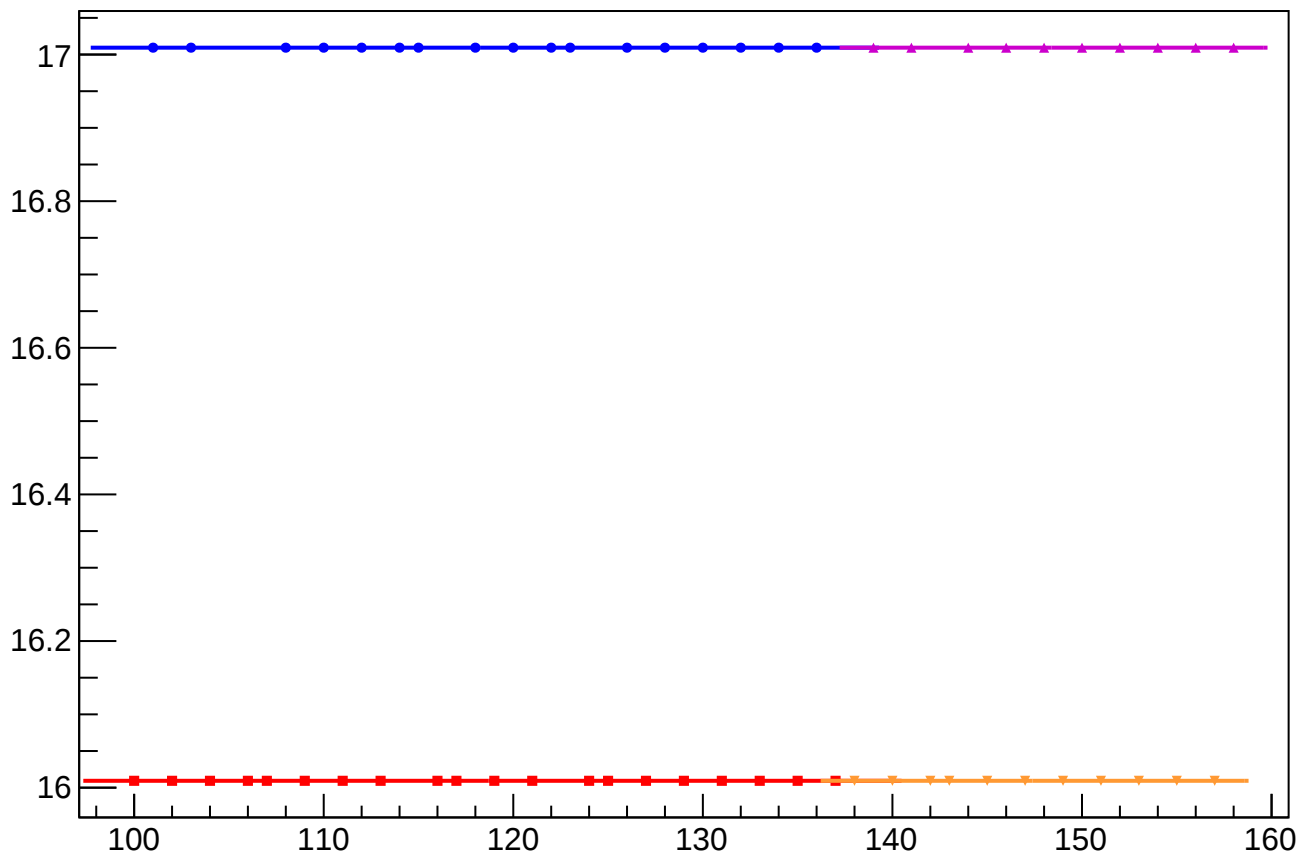
Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 12548783366686740957888512.0/19

Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 32816.6/9

16.539 $\pm$ 0.000 χ^2/NDF : 350415686044788180

16.463 $\pm$ 0.000 χ^2/NDF : 359133258227163675

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 : 27932.0/10

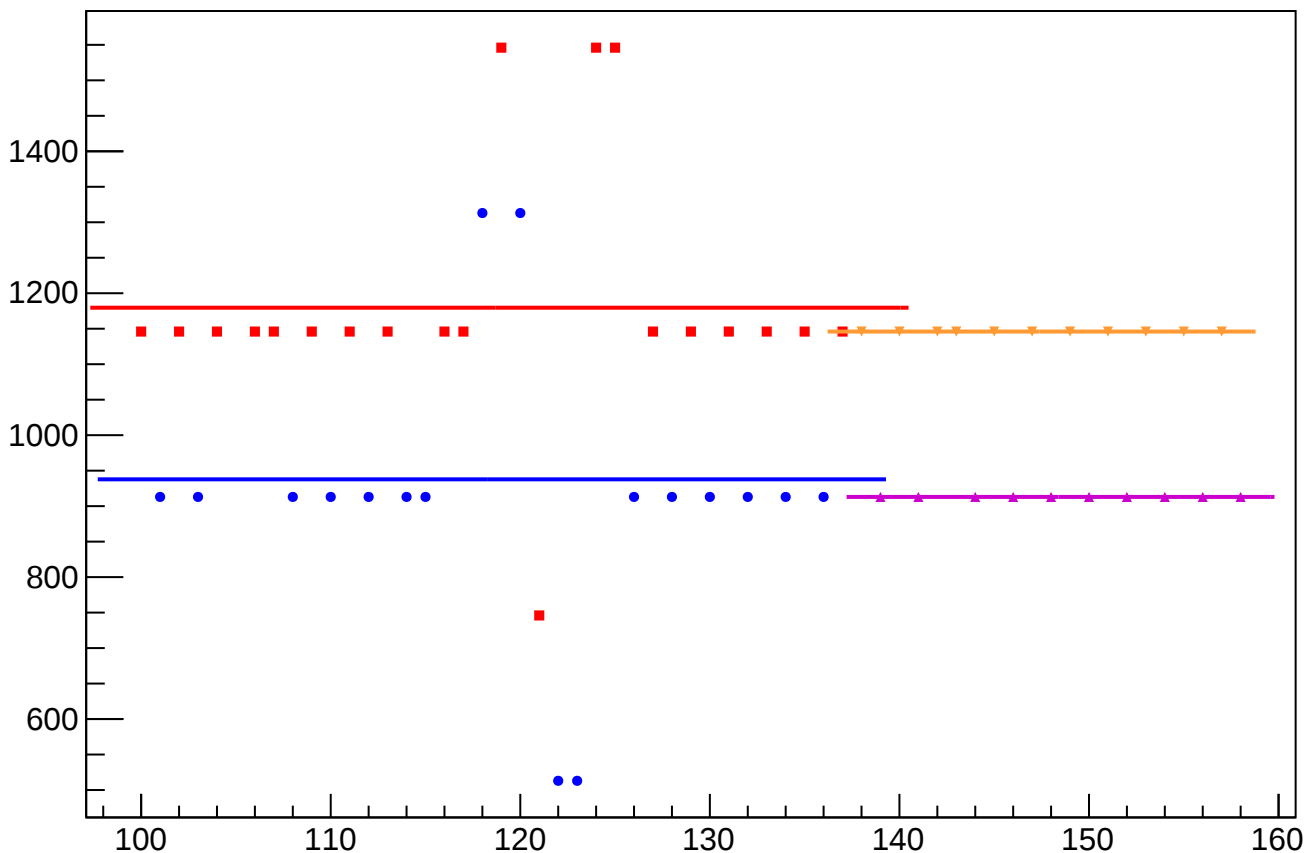
Right Out: 16.009+/-0.000 χ^2/NDF : 42750.0/19

Left In: 17.009+/-0.000 χ^2/NDF : 11044.1/9

16.453+/-0.000 χ^2/NDF : 36807377598926353

16.549+/-0.000 χ^2/NDF : 38782703395255974

epics_RTPAPOSUCNTs_mean vs Slug



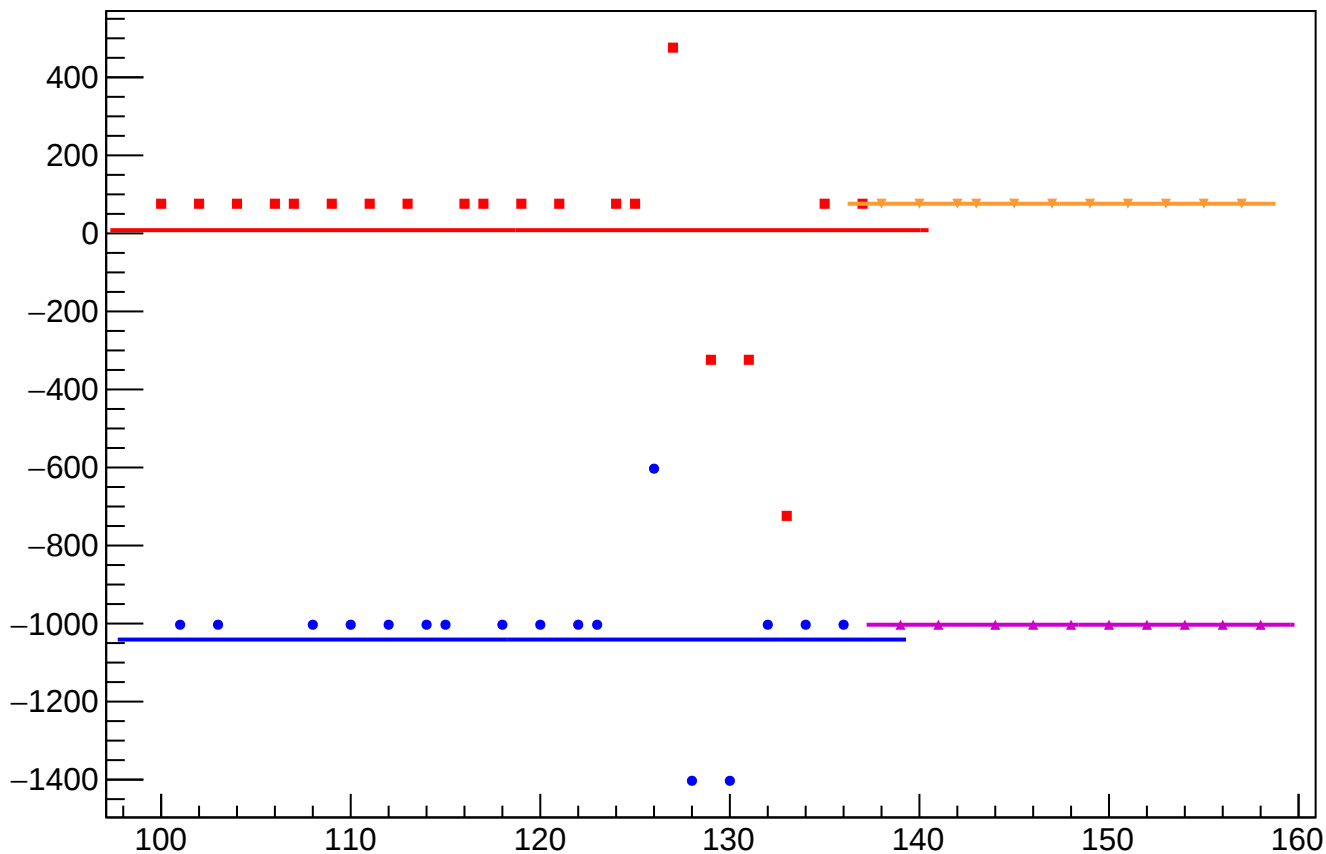
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.011+/-0.000 χ^2/NDF : 2623352773148546429651779584.0/10

Right Out: 1179.619+/-0.000 χ^2/NDF : 21420659731738679306829480097874968576.0/19

Left In: 912.994+/-0.000 χ^2/NDF : 10835086625686178227388678144.0/9

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1041.030+/-0.000 χ^2/NDF : 22675401109943882512554797113855180800.0/16

Left Out: 76.010+/-0.000 χ^2/NDF : 3100202528385717249555562496.0/10

Right Out: 8.240+/-0.000 χ^2/NDF : 43865391744972338137265798243810279424.0/19

Left In: -1002.990+/-0.000 χ^2/NDF : 1205031662171309616817766400.0/9