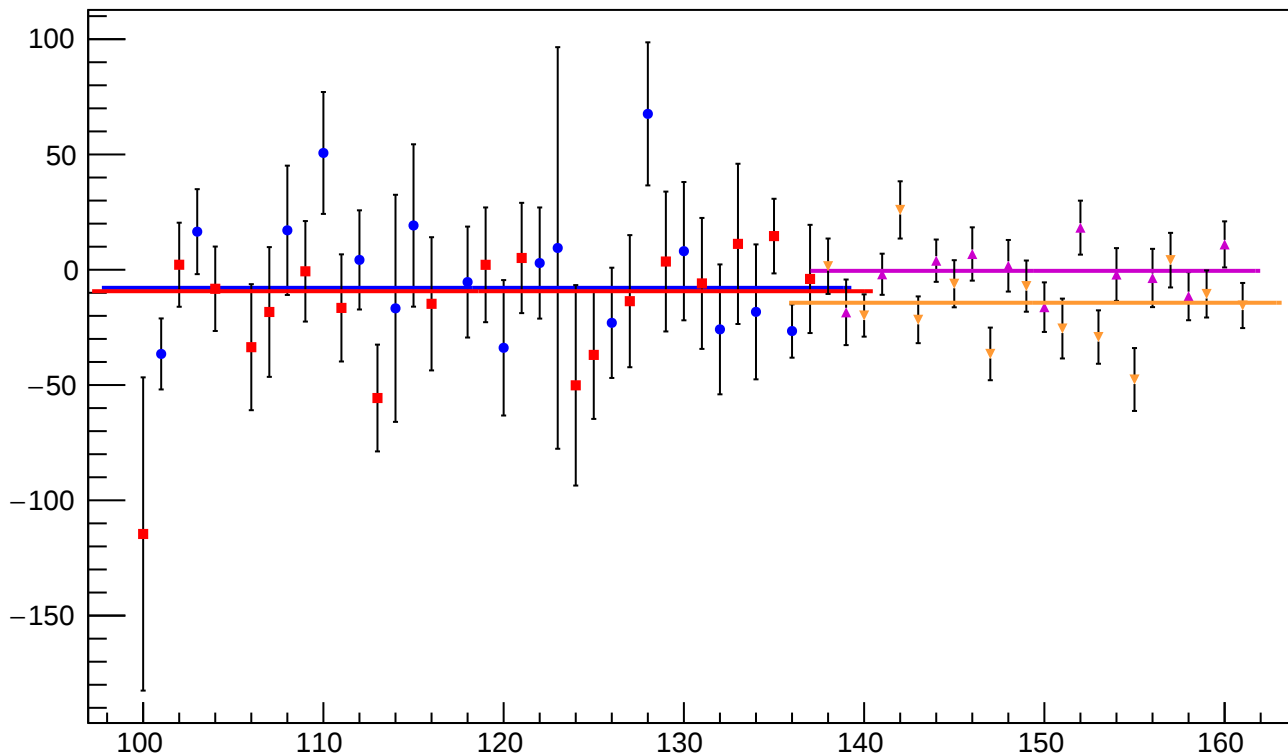


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

χ^2/NDF : 22.6/16

Left Out: -14.313 ± 3.067

χ^2/NDF : 28.9/12

Right Out: -9.309 ± 5.677

χ^2/NDF : 13.2/18

Left In: -0.476 ± 3.264

χ^2/NDF : 9.5/10

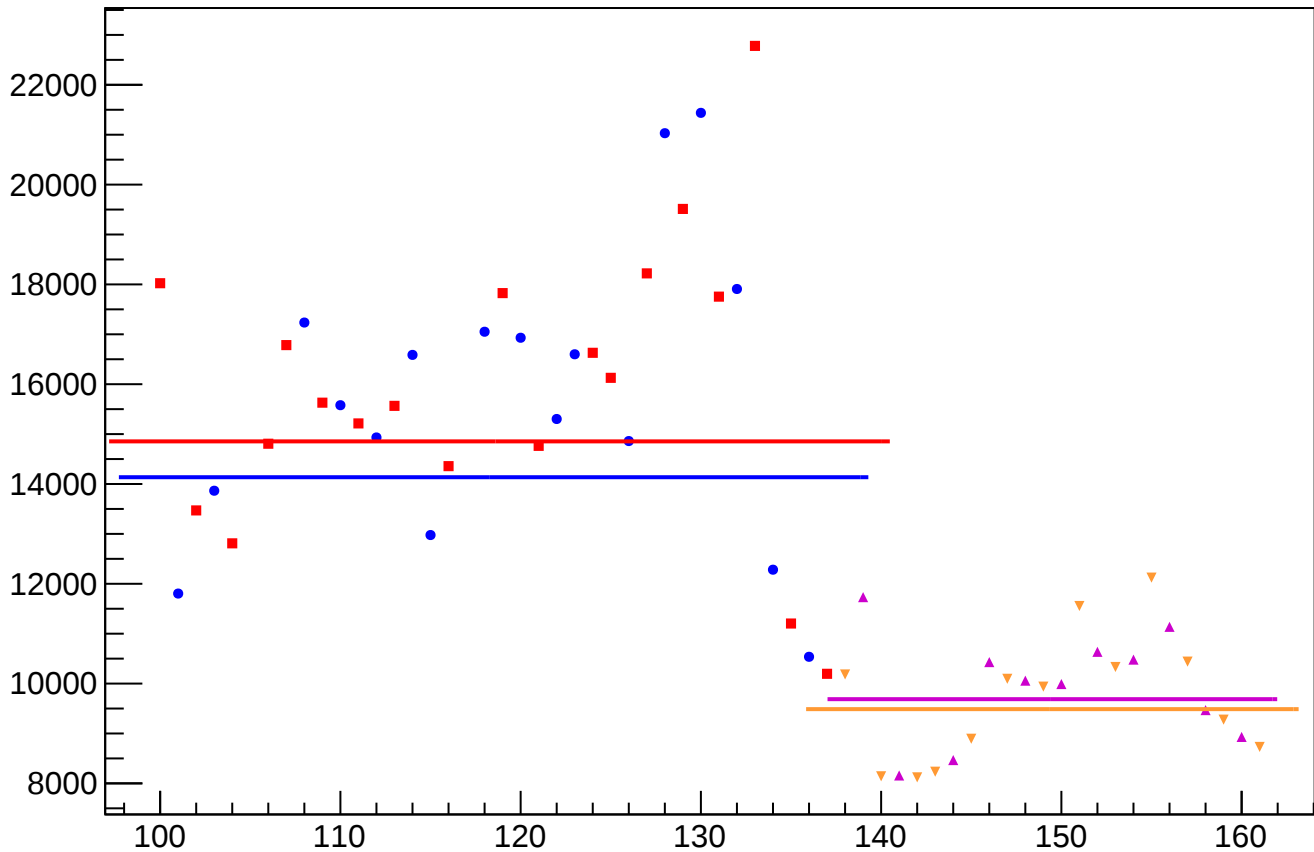
-12.823 ± 2.691

χ^2/NDF : 52.6/29

-2.670 ± 2.830

χ^2/NDF : 24.6/29

diff_bpm4aX_rms vs Slug



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

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

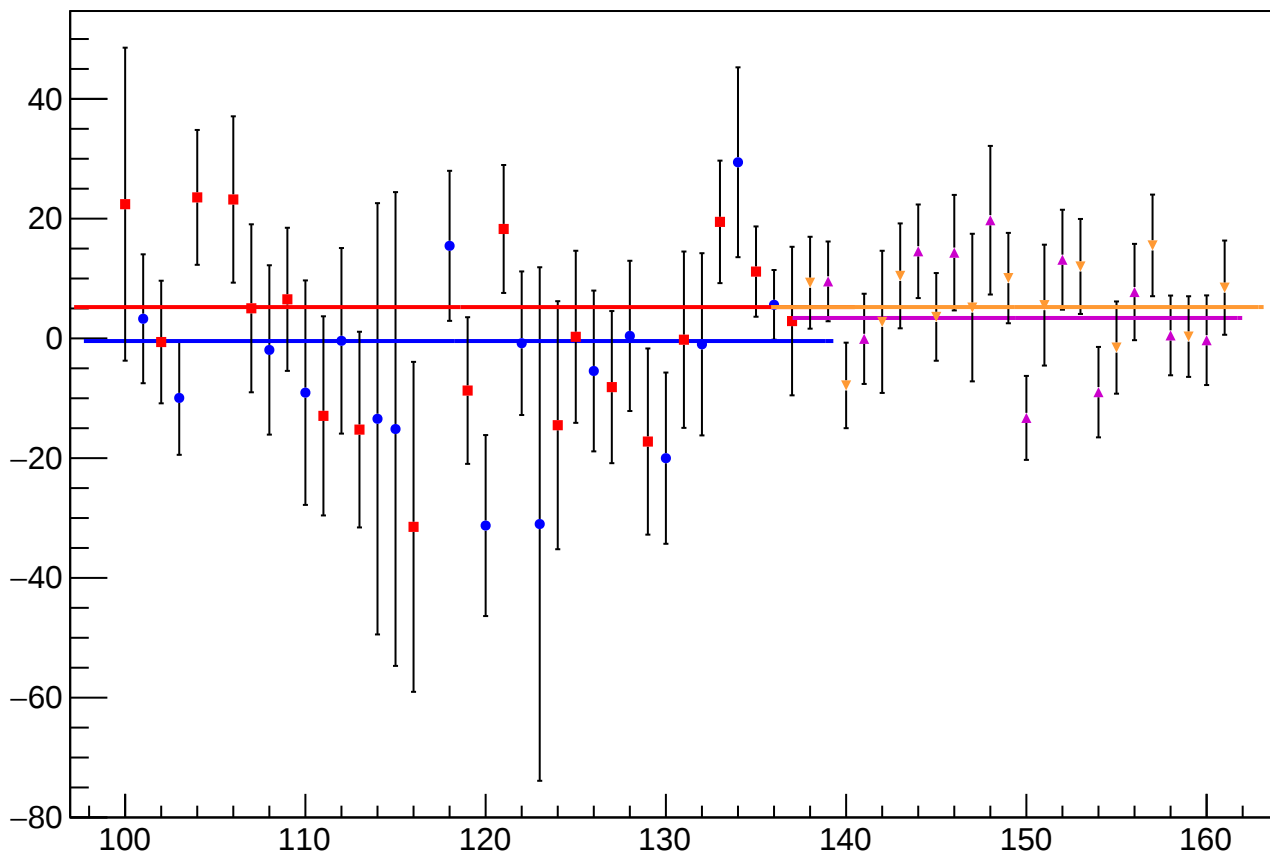
10557.883+/-1.903 χ^2/NDF : 1936740.6/29

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

10971.013+/-2.001 χ^2/NDF : 1925811.7/29

Left In: 9687.701+/-2.308 χ^2/NDF : 208958.6/10

diff_bpm4aY_mean vs Slug



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

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

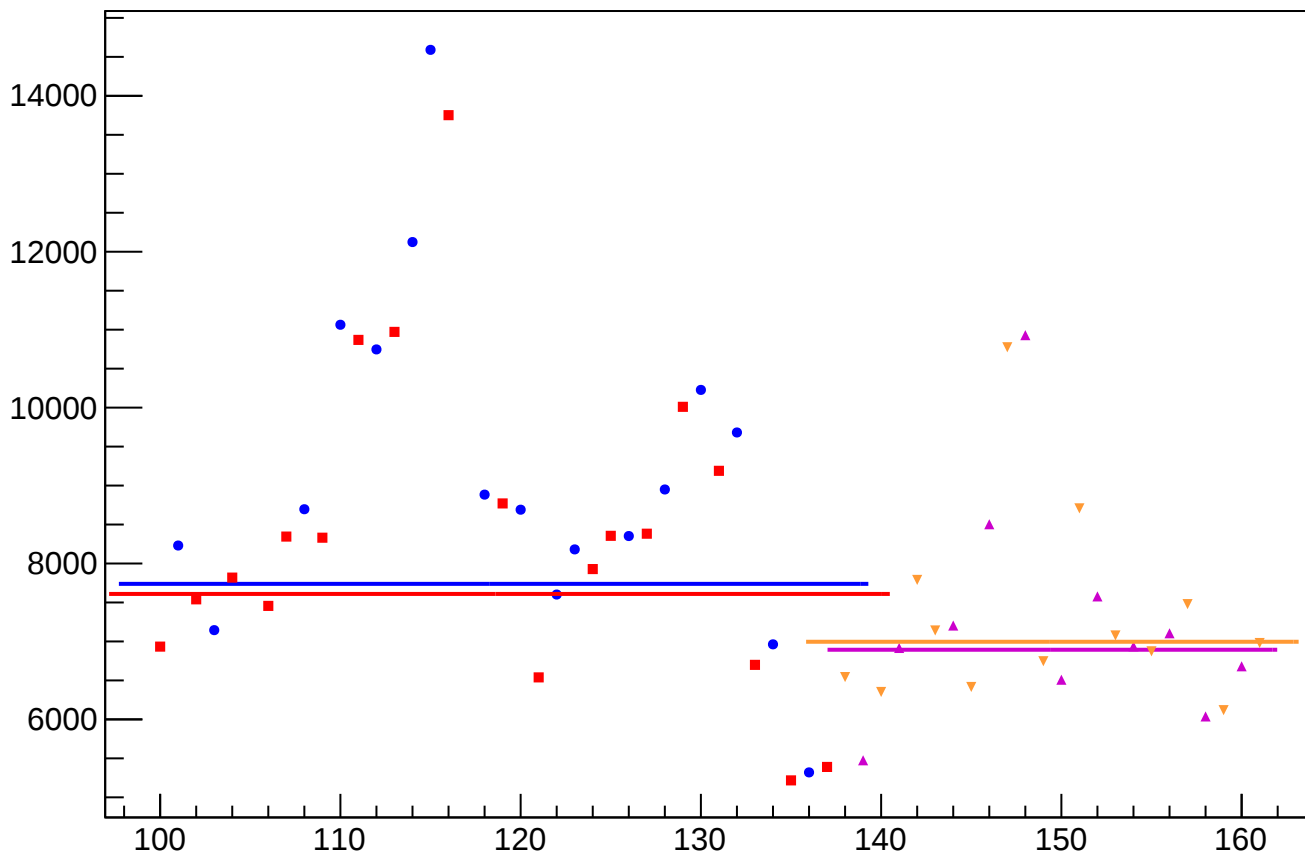
Right Out: 5.229 ± 2.936 χ^2/NDF : 19.4/18

Left In: 3.410 ± 2.345 χ^2/NDF : 16.5/10

3.229 ± 1.825 χ^2/NDF : 24.9/29

4.119 ± 1.832 χ^2/NDF : 36.1/29

diff_bpm4aY_rms vs Slug



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

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

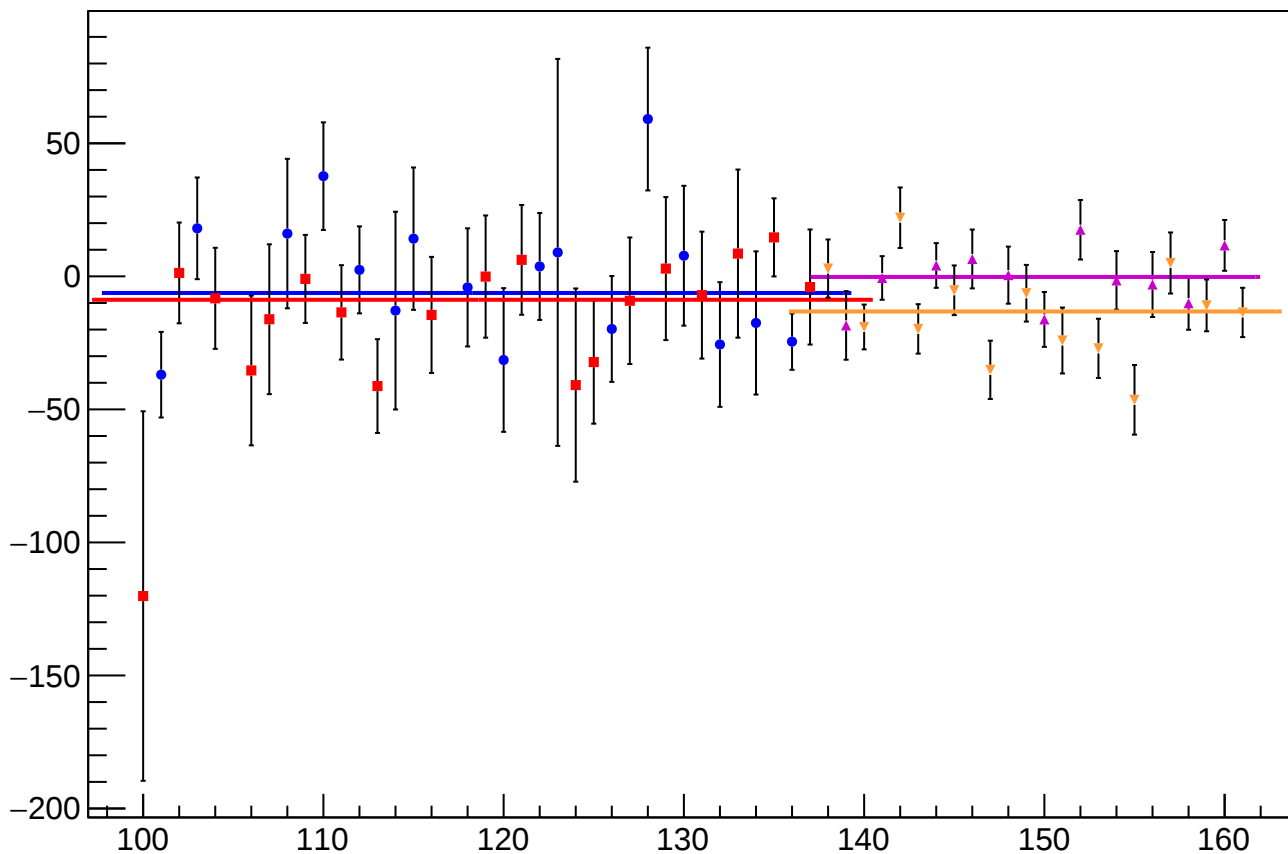
Right Out: 7609.531+/-2.076 χ^2 /NDF: 679180.7/18

Left In: 6893.481+/-1.658 χ^2 /NDF:416659.8/10

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

7172.368+/-1.296 χ^2 /NDF: 1168477.3/29

diff_bpm4eX_mean vs Slug



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

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

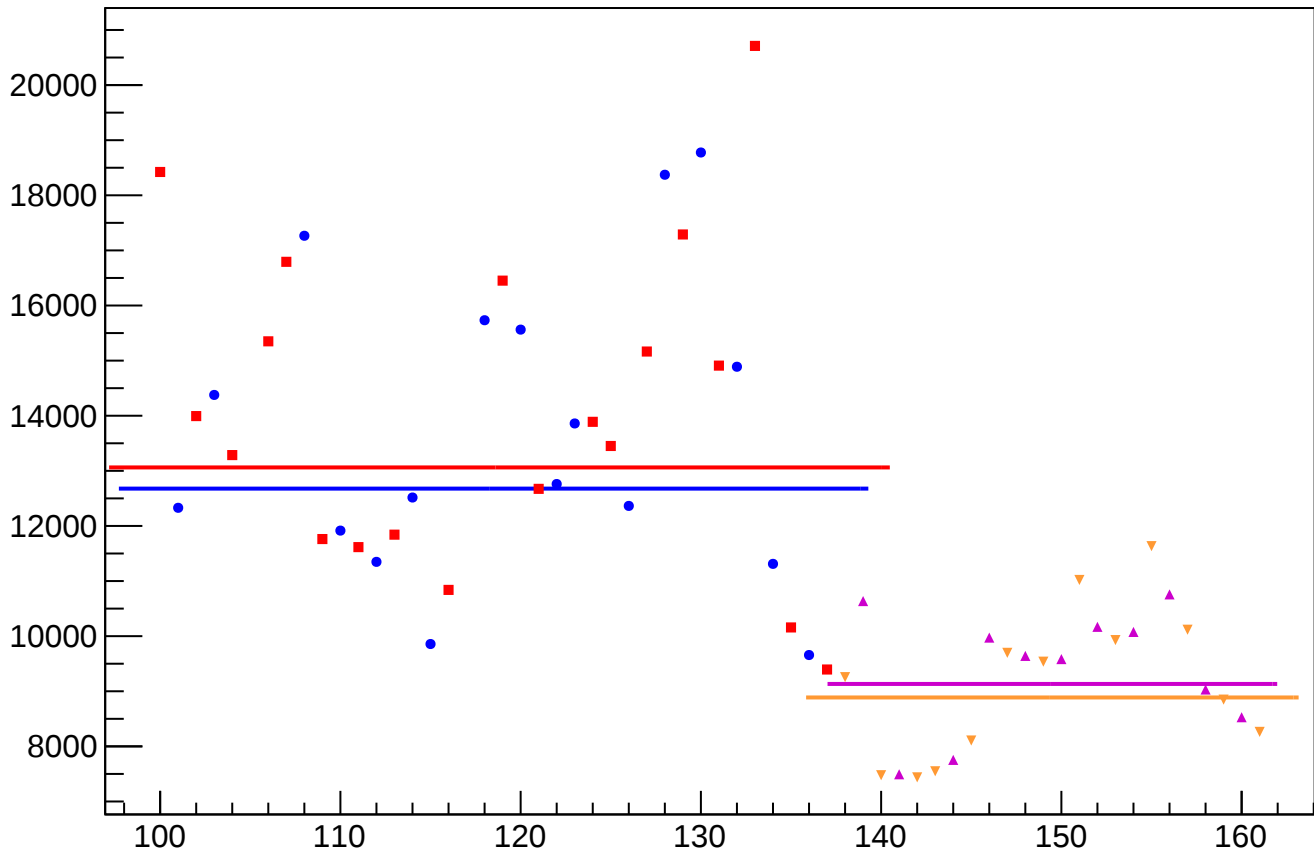
Right Out: -8.802 ± 4.999 χ^2/NDF : 13.1/18

Left In: -0.229 ± 3.081 χ^2/NDF : 10.1/10

-11.474 ± 2.497 χ^2/NDF : 53.9/29

-2.589 ± 2.623 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: 8887.499+/-2.036 χ^2/NDF : 361754.7/12

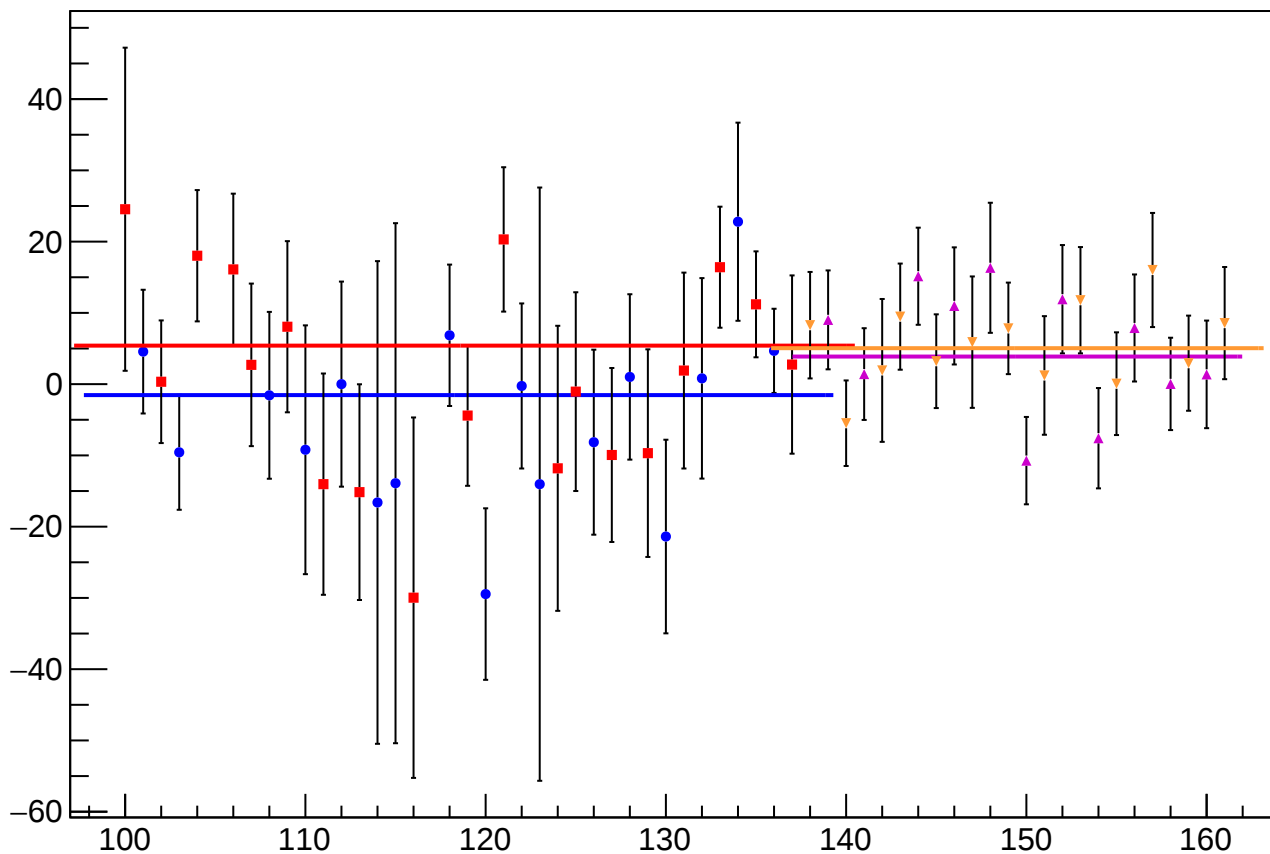
9826.471+/-1.766 χ^2/NDF : 1773833.0/29

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

10214.258+/-1.855 χ^2/NDF : 1649180.3/29

Left In: 9132.887+/-2.178 χ^2/NDF : 256456.0/10

diff_bpm4eY_mean vs Slug



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

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

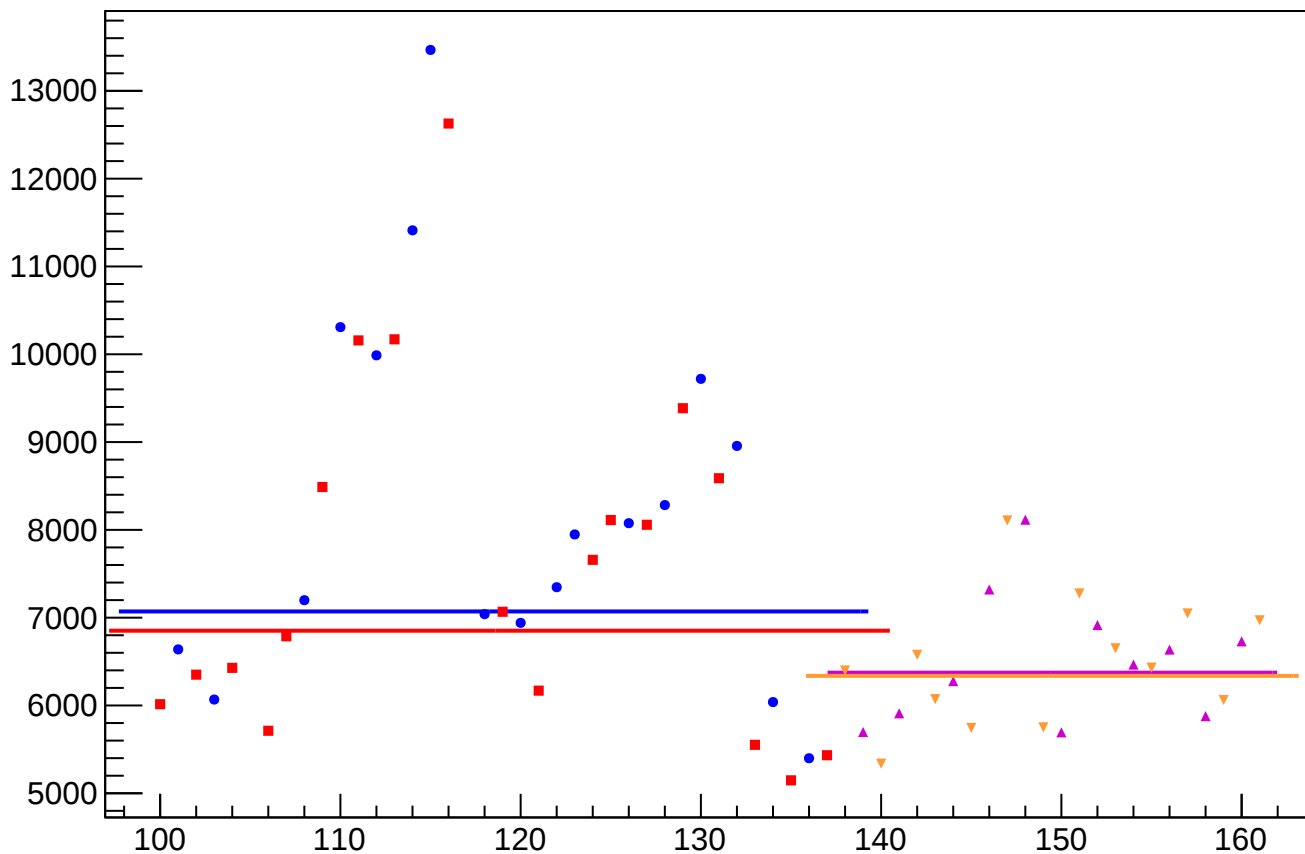
Right Out: 5.405 ± 2.640 χ^2/NDF : 18.6/18

Left In: 3.872 ± 2.150 χ^2/NDF : 16.2/10

2.742 ± 1.651 χ^2/NDF : 26.1/29

4.483 ± 1.667 χ^2/NDF : 35.0/29

diff_bpm4eY_rms vs Slug



Right In: 7071.043 $\pm$ 1.973 χ^2 /NDF: 600748.1/16

Left Out: 6337.359 $\pm$ 1.448 χ^2 /NDF:227347.2/12

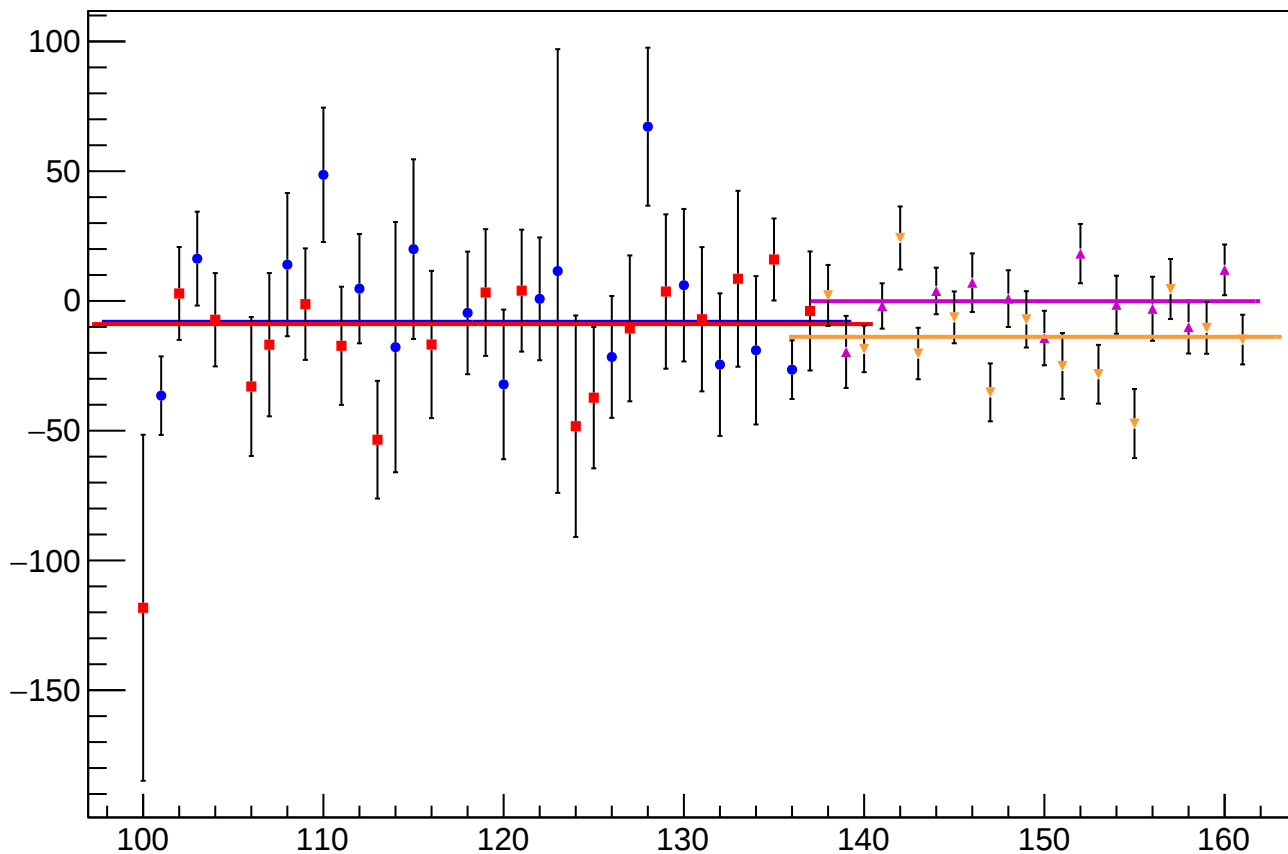
Right Out: 6851.604 $\pm$ 1.866 χ^2 /NDF: 684398.7/18

Left In: 6373.548 $\pm$ 1.520 χ^2 /NDF:182863.7/10

6594.089 $\pm$ 1.167 χ^2 /NDF: 917981.0/29

6564.167 $\pm$ 1.179 χ^2 /NDF: 906705.1/29

diff_bpm4acX_mean vs Slug



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

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

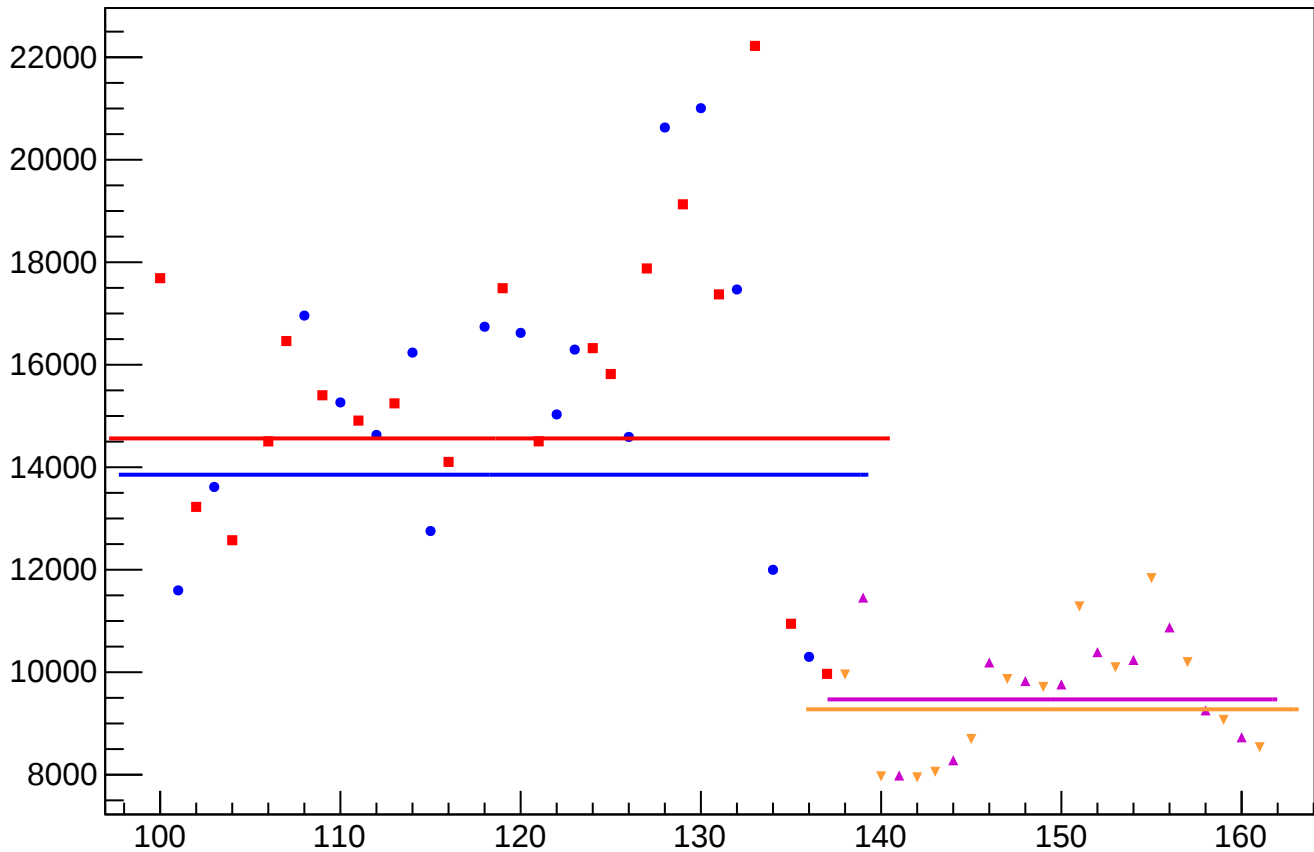
Right Out: -8.907 ± 5.566 χ^2/NDF : 13.7/18

Left In: -0.101 ± 3.190 χ^2/NDF : 9.6/10

-12.496 ± 2.632 χ^2/NDF : 51.8/29

-2.278 ± 2.768 χ^2/NDF : 25.1/29

diff_bpm4acX_rms vs Slug



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

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

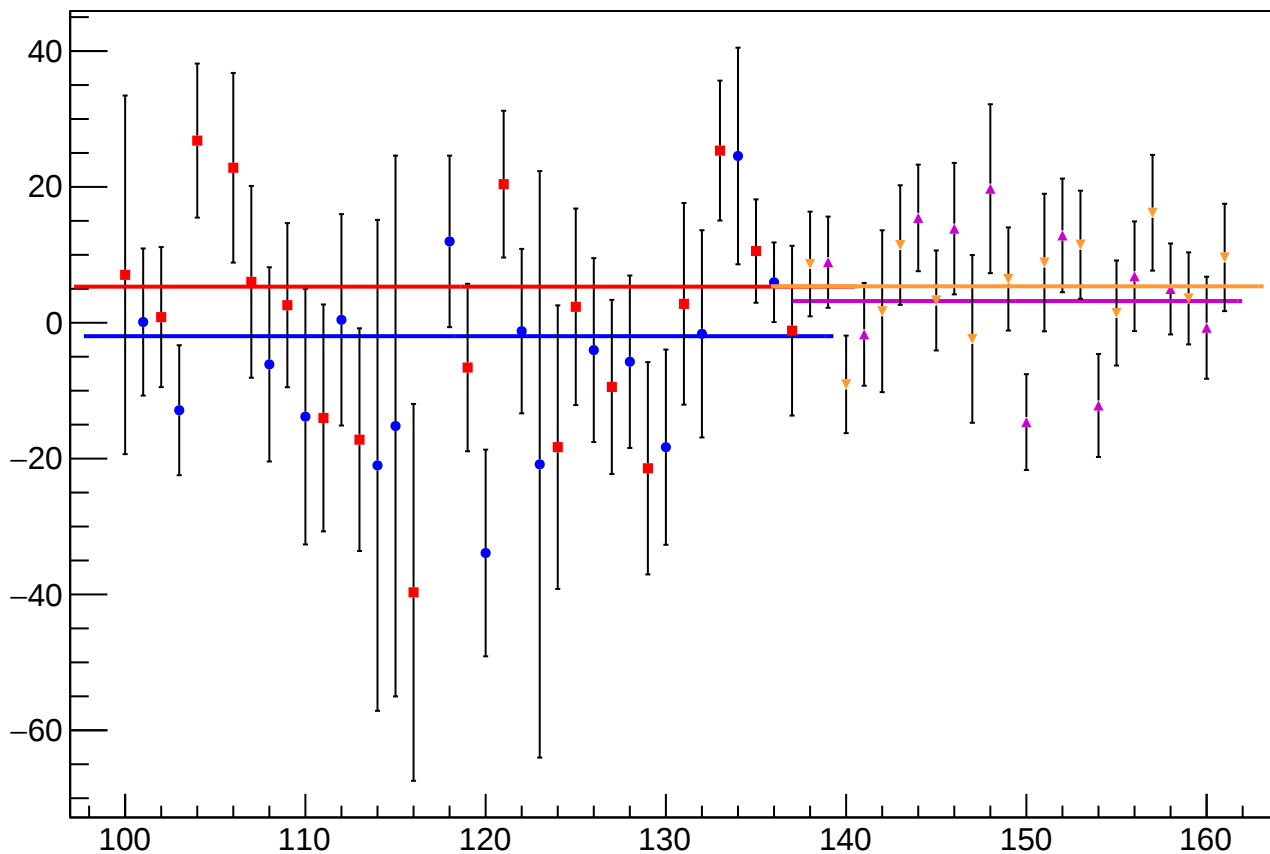
Right Out: 14562.308+/-3.936 χ^2/NDF : 474279.5/18

Left In: 9469.948+/-2.256 χ^2/NDF : 206401.3/10

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

10729.035+/-1.957 χ^2/NDF : 1940784.5/29

diff_bpm4acY_mean vs Slug



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

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

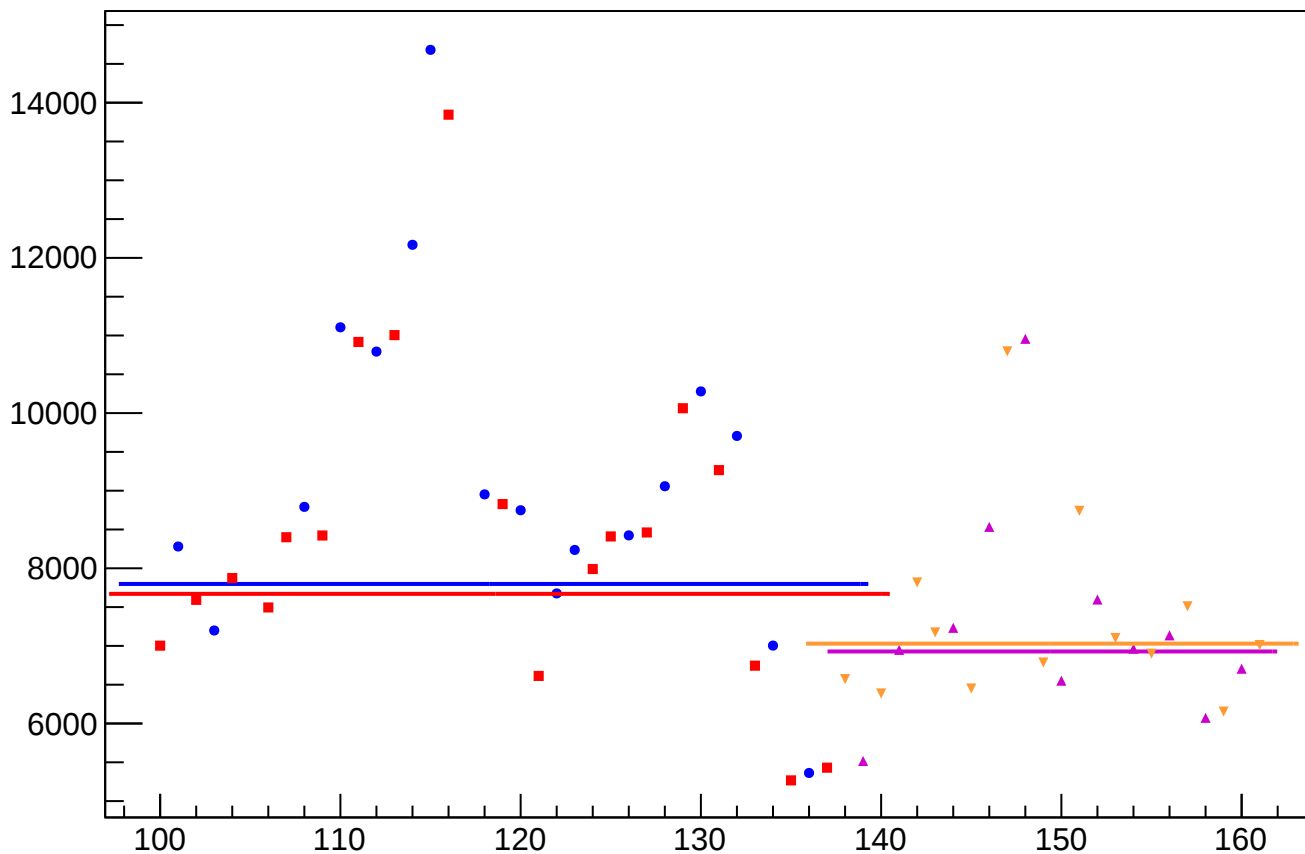
Right Out: 5.318 ± 2.959 χ^2/NDF : 24.3/18

Left In: 3.196 ± 2.356 χ^2/NDF : 18.9/10

2.785 ± 1.835 χ^2/NDF : 25.9/29

4.020 ± 1.843 χ^2/NDF : 43.5/29

diff_bpm4acY_rms vs Slug



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

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

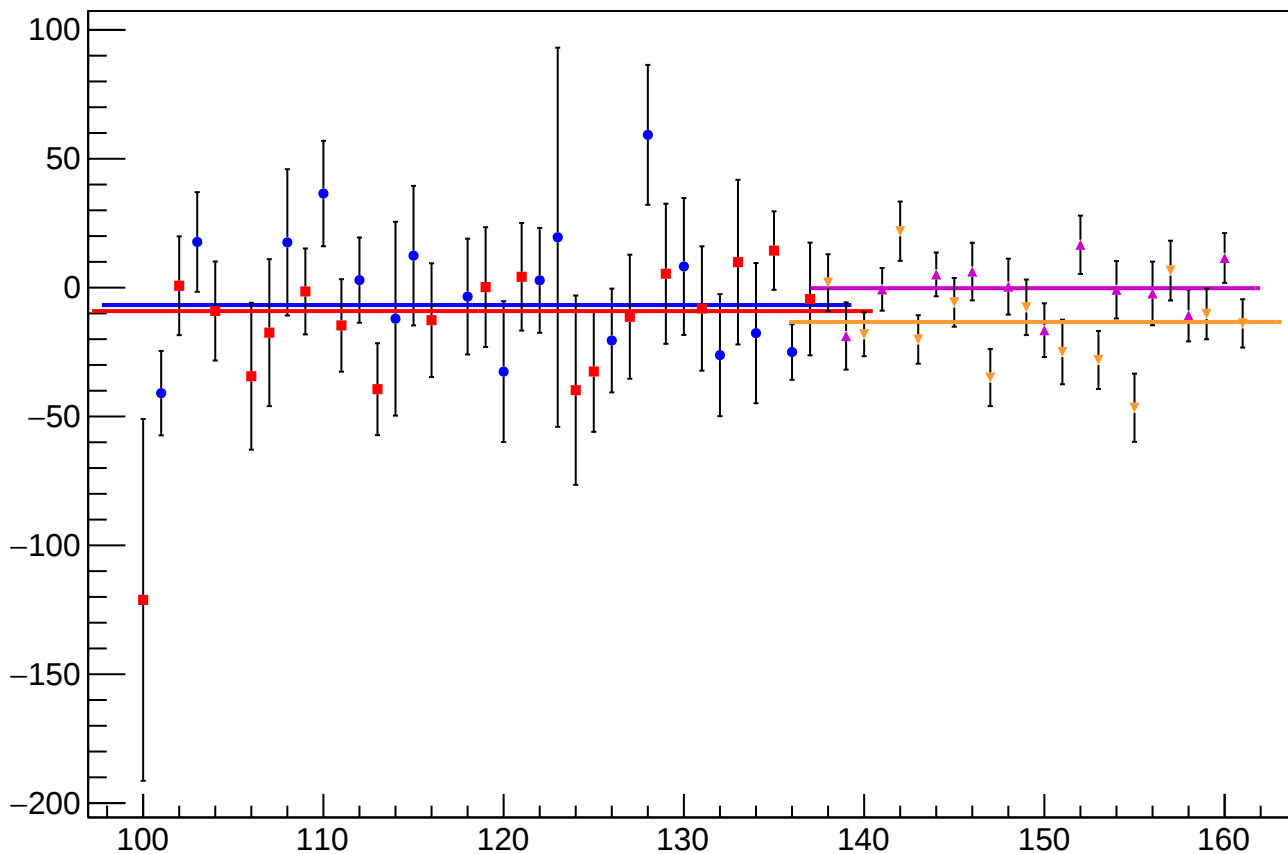
Right Out: 7670.584 ± 2.092 χ^2/NDF : 672691.0/18

Left In: 6928.145 ± 1.666 χ^2/NDF : 410628.3/10

7299.879 ± 1.298 χ^2/NDF : 1146835.0/29

7216.271 ± 1.303 χ^2/NDF : 1160392.4/29

diff_bpm4ecX_mean vs Slug



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

Left Out: -13.312 ± 2.911 $\chi^2/\text{NDF}: 28.8/12$

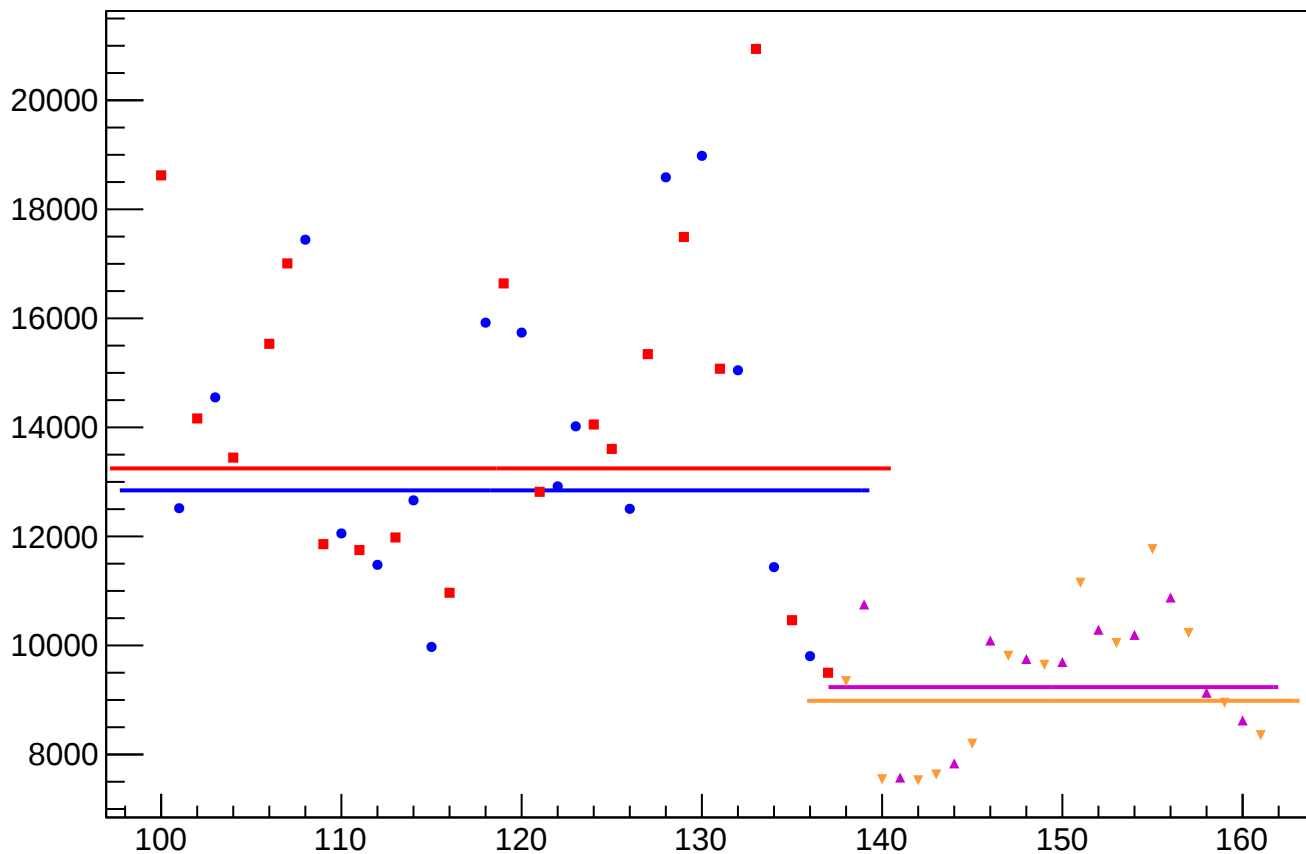
Right Out: -9.102 ± 5.070 $\chi^2/\text{NDF}: 12.2/18$

Left In: -0.217 ± 3.115 $\chi^2/\text{NDF}: 10.0/10$

-11.694 ± 2.526 $\chi^2/\text{NDF}: 53.7/29$

-2.652 ± 2.654 $\chi^2/\text{NDF}: 24.5/29$

diff_bpm4ecX_rms vs Slug



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

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

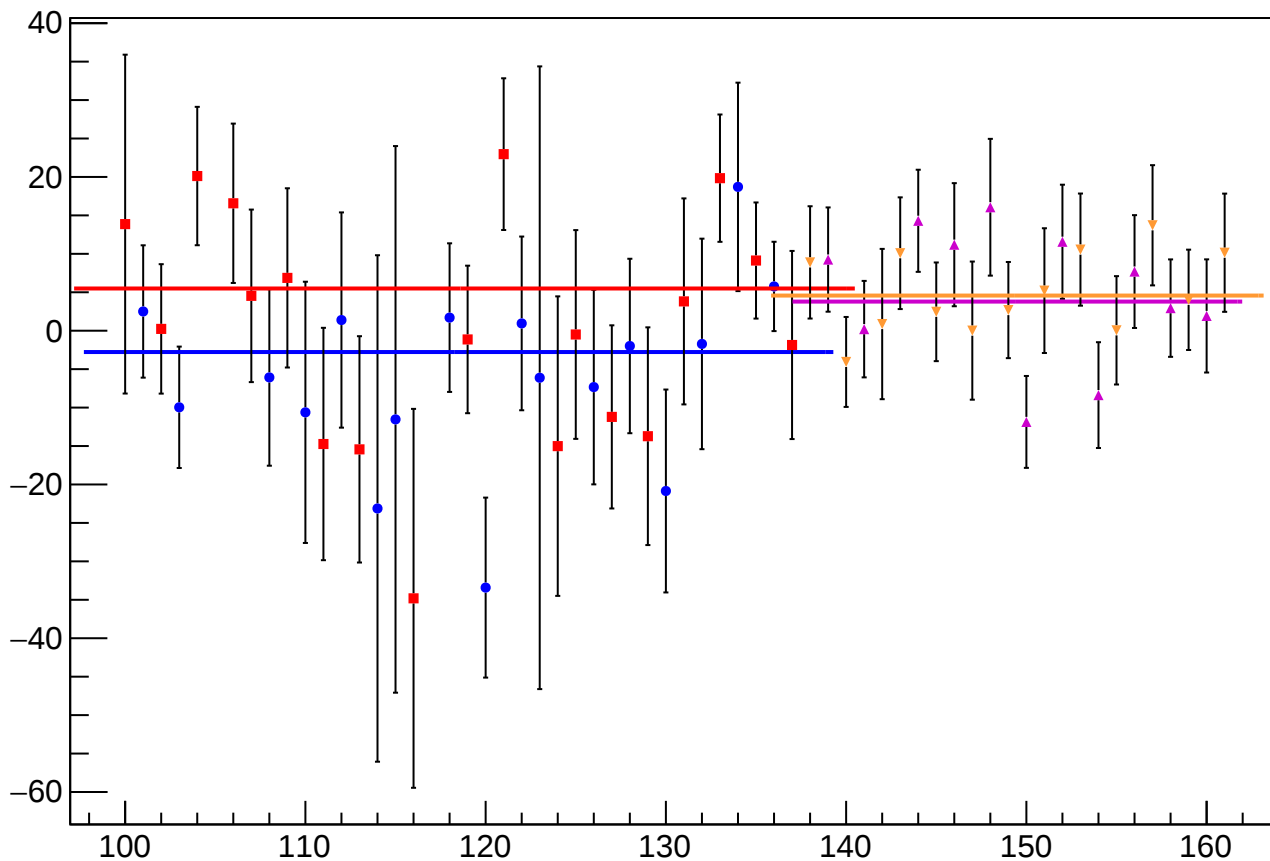
Right Out: 13247.253+/-3.585 χ^2/NDF : 485481.6/18

Left In: 9235.589+/-2.203 χ^2/NDF :257482.5/10

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

10335.043+/-1.877 χ^2/NDF : 1651790.0/29

diff_bpm4ecY_mean vs Slug



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

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

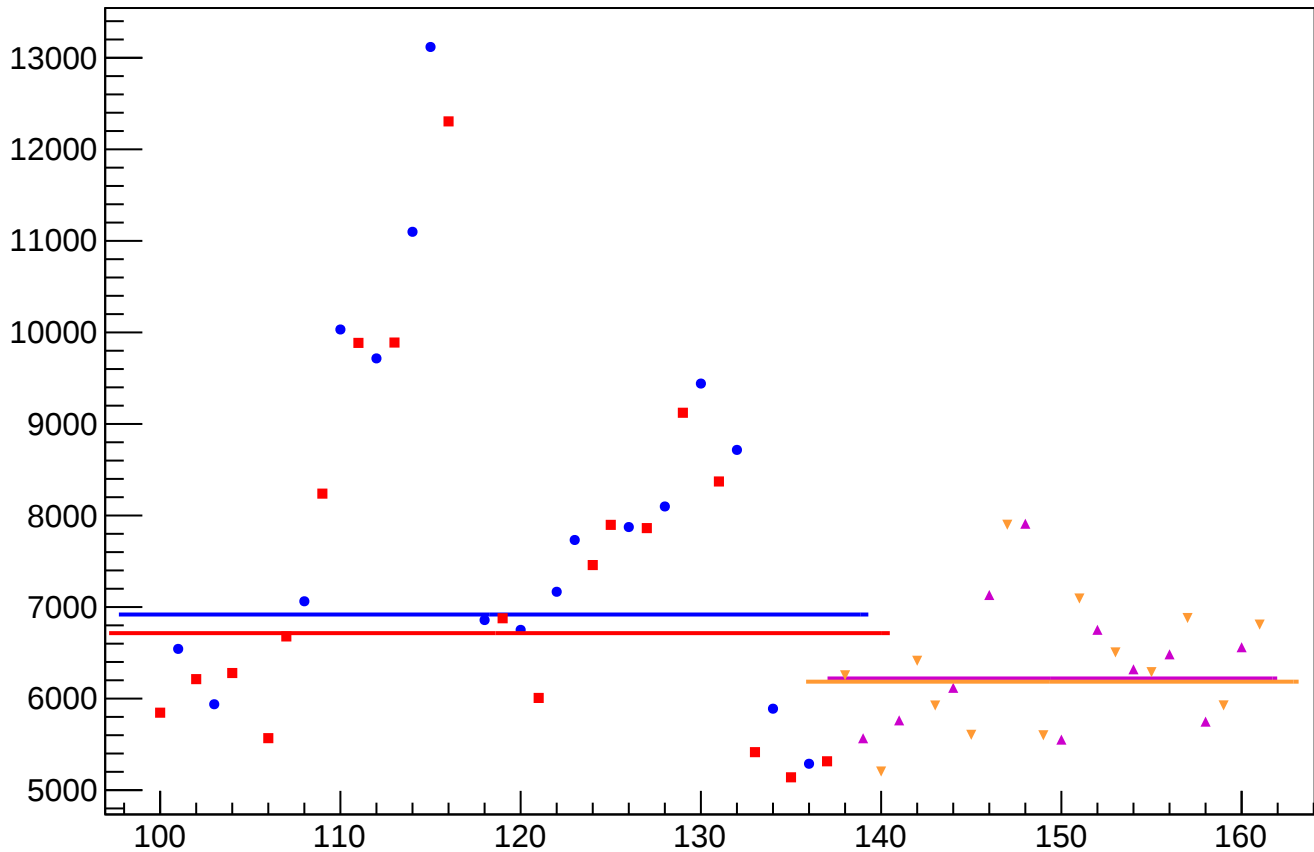
Right Out: 5.491 ± 2.587 χ^2/NDF : 23.2/18

Left In: 3.787 ± 2.098 χ^2/NDF : 17.7/10

2.012 ± 1.613 χ^2/NDF : 27.3/29

4.463 ± 1.629 χ^2/NDF : 41.1/29

diff_bpm4ecY_rms vs Slug



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

Left Out: 6184.864 $\pm$ 1.413 χ^2 /NDF:228337.5/12

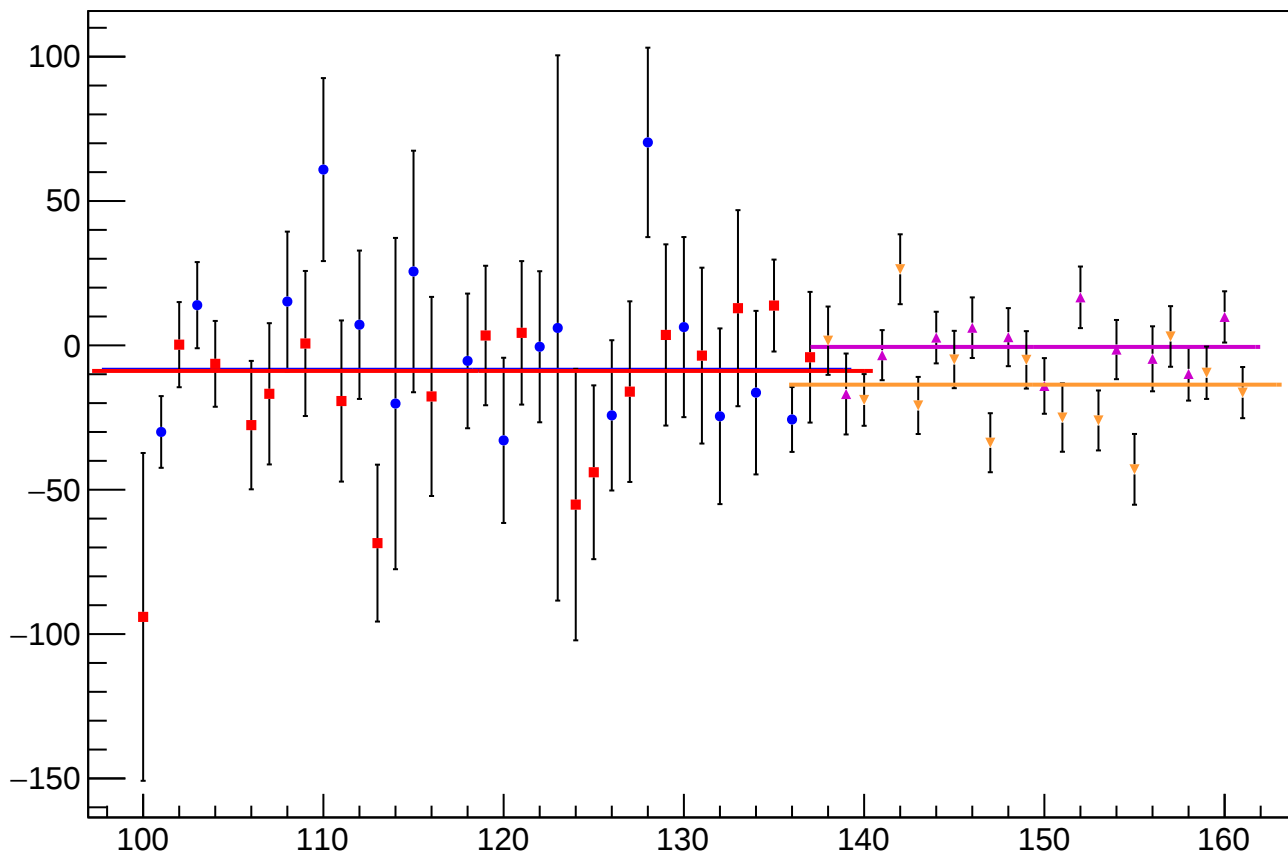
Right Out: 6715.022 $\pm$ 1.830 χ^2 /NDF: 656010.3/18

Left In: 6219.795 $\pm$ 1.483 χ^2 /NDF:181458.9/10

6440.545 $\pm$ 1.140 χ^2 /NDF: 909351.4/29

6416.195 $\pm$ 1.152 χ^2 /NDF: 881678.7/29

diff_bpm1X_mean vs Slug



Right In: -8.448 ± 5.393 $\chi^2/\text{NDF}: 22.0/16$

-12.485 ± 2.517 $\chi^2/\text{NDF}: 52.4/29$

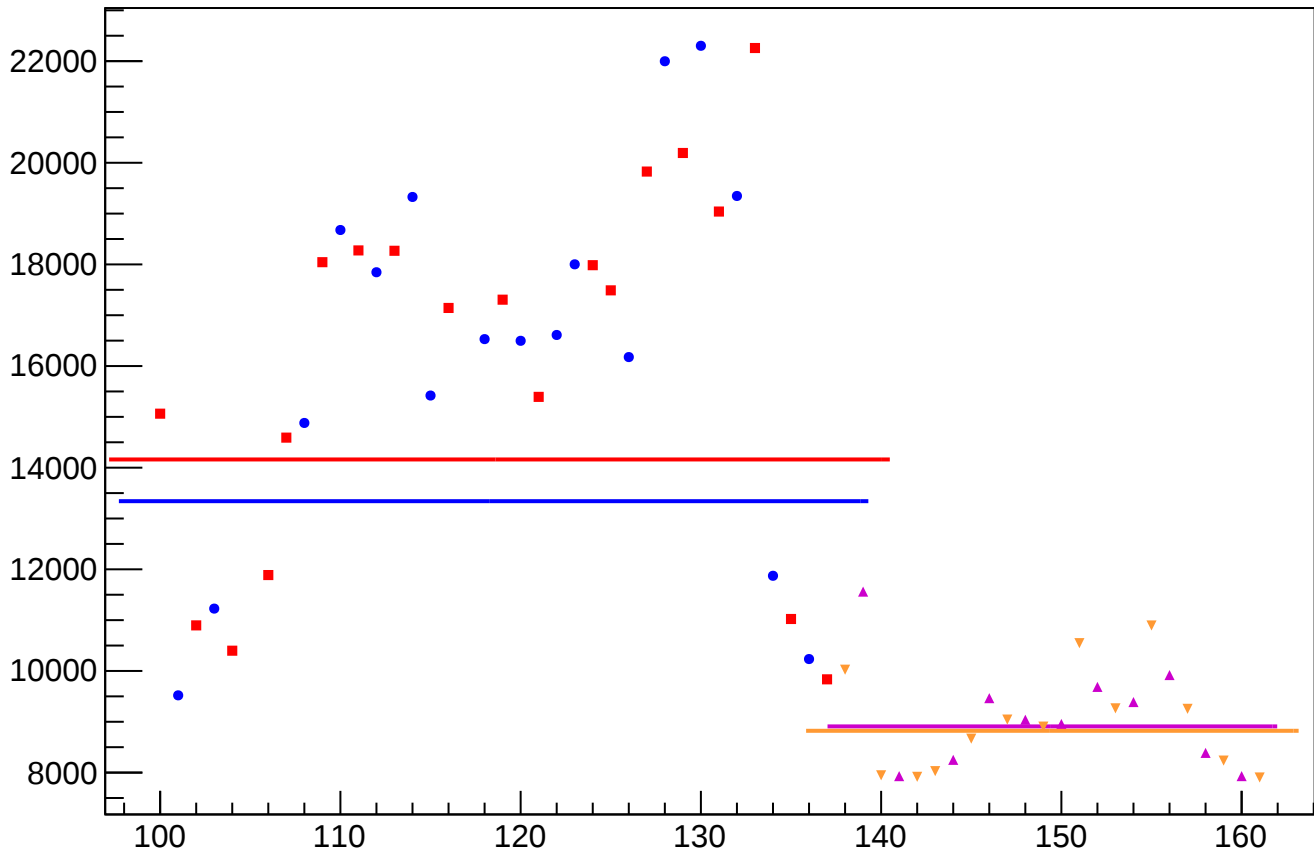
Left Out: -13.608 ± 2.845 $\chi^2/\text{NDF}: 29.7/12$

Right Out: -8.854 ± 5.508 $\chi^2/\text{NDF}: 14.2/18$

-2.437 ± 2.634 $\chi^2/\text{NDF}: 25.2/29$

Left In: -0.535 ± 2.999 $\chi^2/\text{NDF}: 9.2/10$

diff_bpm1X_rms vs Slug



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

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

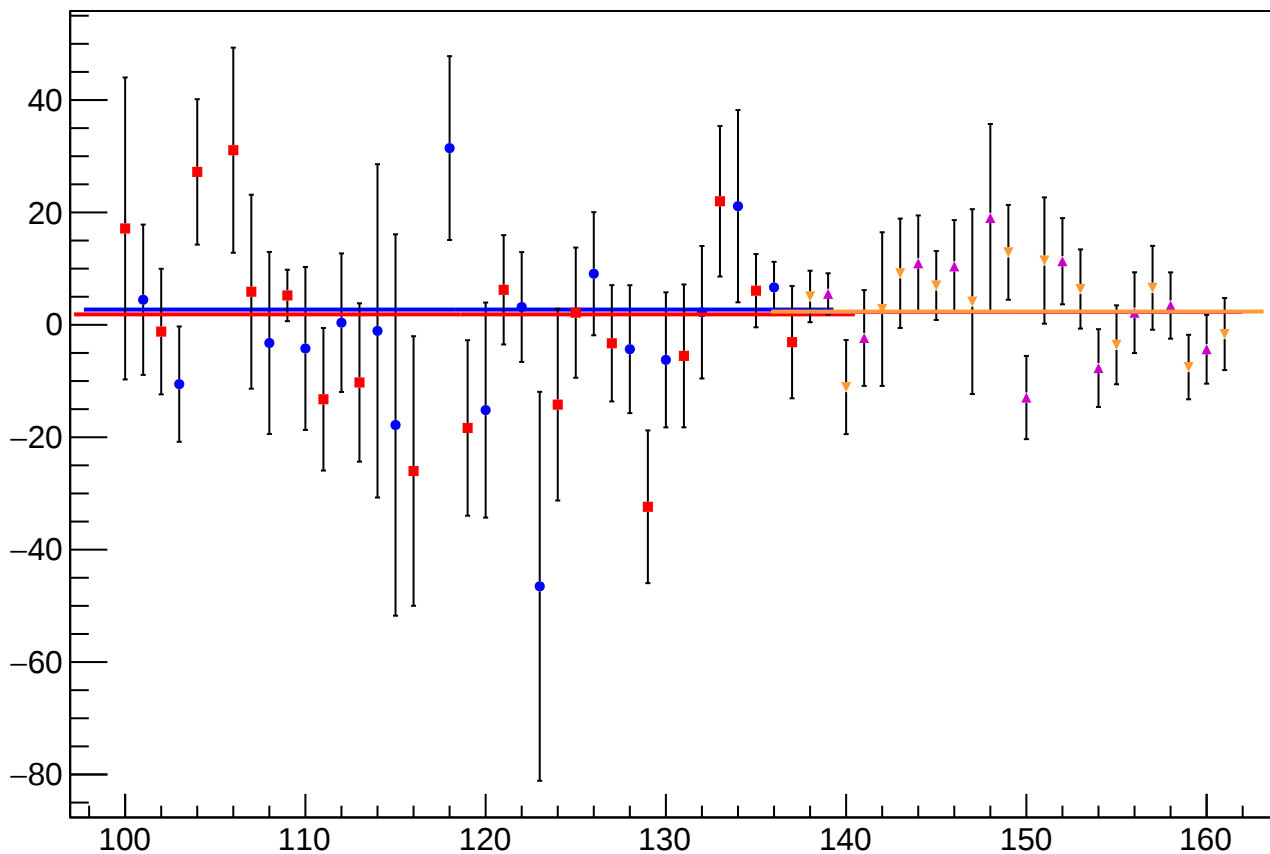
9806.534+/-1.780 χ^2/NDF : 2344608.3/29

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

10109.904+/-1.862 χ^2/NDF : 2510427.1/29

Left In: 8908.849+/-2.121 χ^2/NDF : 175661.3/10

diff_bpm1Y_mean vs Slug



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

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

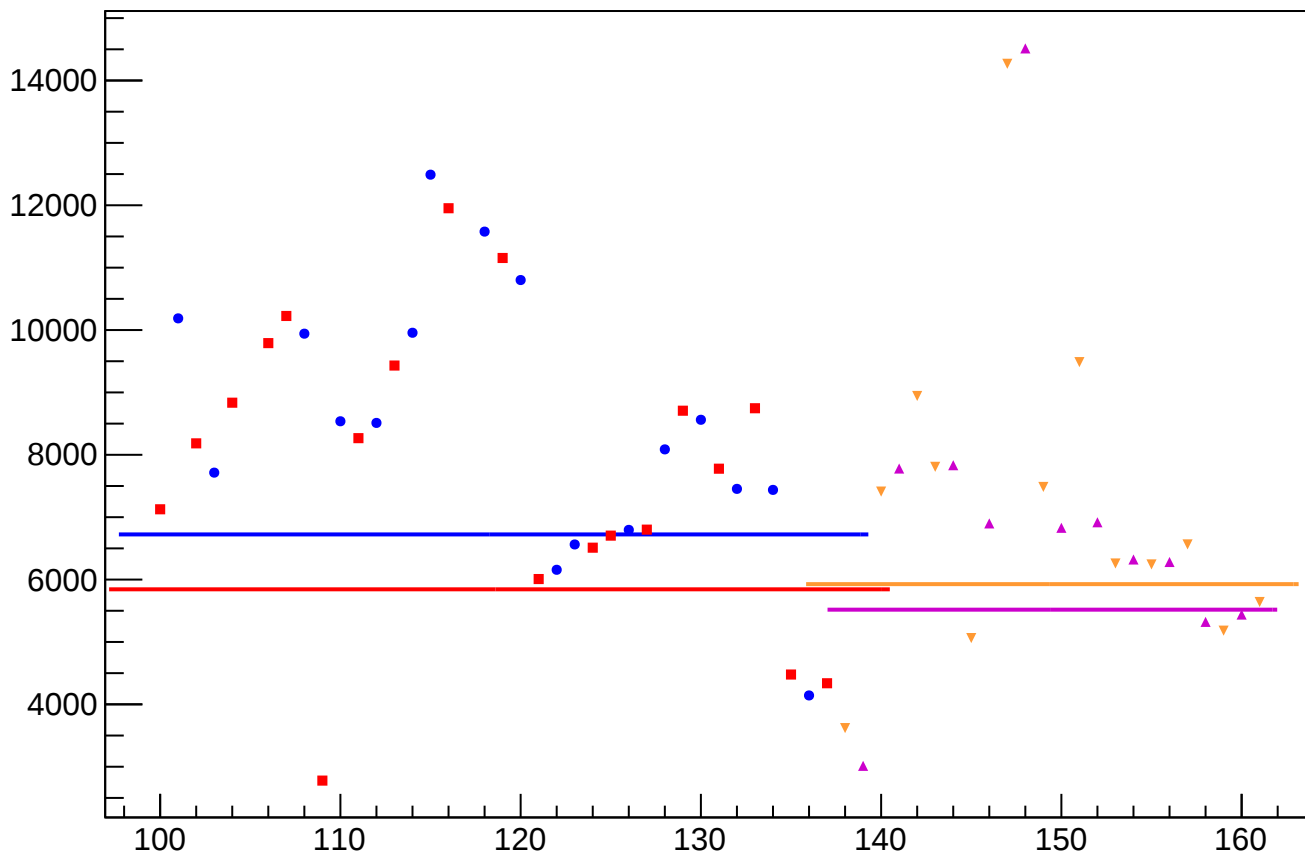
Right Out: 1.861 ± 2.439 χ^2/NDF : 23.5/18

Left In: 2.279 ± 1.994 χ^2/NDF : 13.0/10

2.489 ± 1.632 χ^2/NDF : 22.6/29

2.112 ± 1.544 χ^2/NDF : 36.5/29

diff_bpm1Y_rms vs Slug



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

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

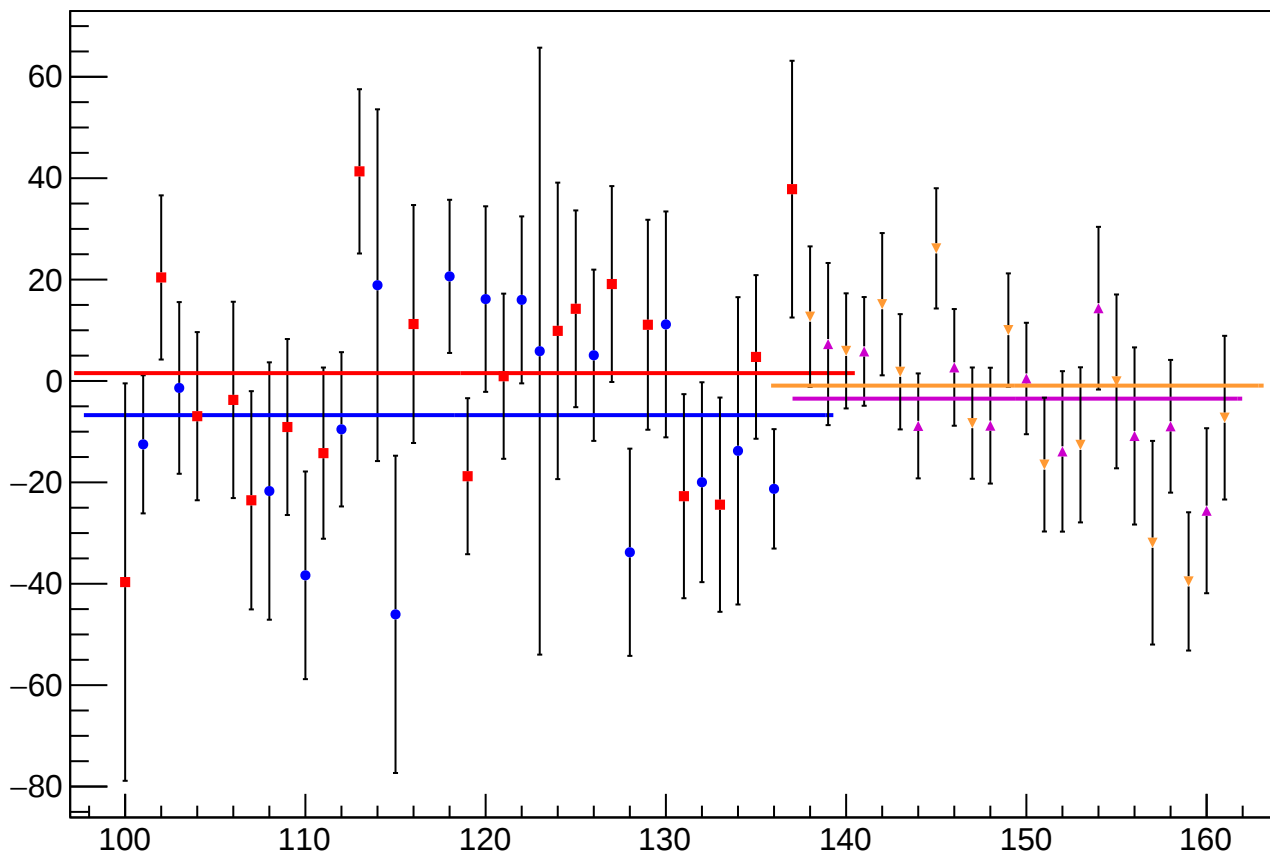
Right Out: 5843.829+/-1.725 χ^2/NDF : 2277223.8/18

Left In: 5517.617+/-1.410 χ^2/NDF : 2044906.1/10

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

5648.280+/-1.091 χ^2/NDF : 4343578.6/29

diff_bpm11X_mean vs Slug



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

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

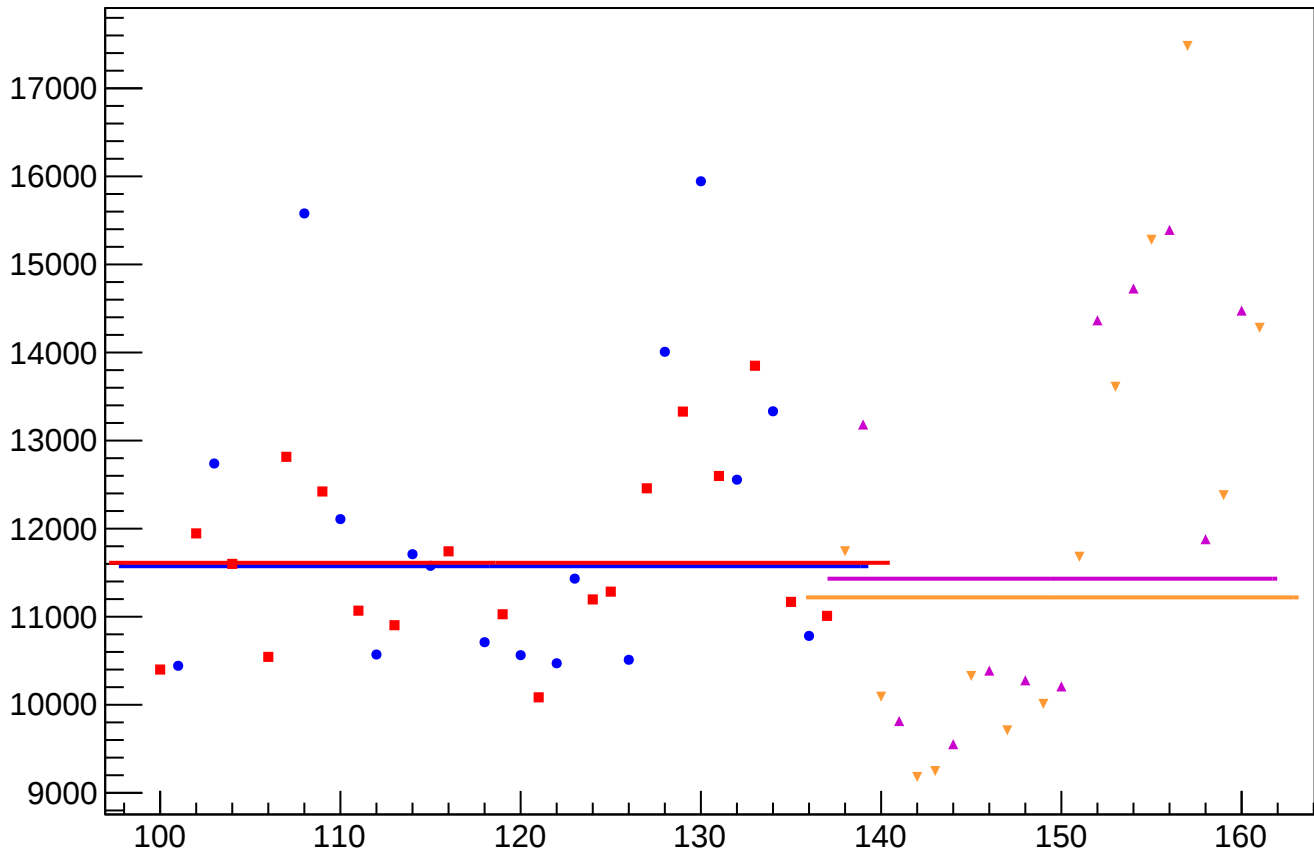
Right Out: 1.549 ± 4.372 χ^2/NDF : 20.0/18

Left In: -3.485 ± 3.887 χ^2/NDF : 6.0/10

-3.231 ± 2.847 χ^2/NDF : 39.7/29

-1.263 ± 2.905 χ^2/NDF : 26.7/29

diff_bpm11X_rms vs Slug



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

Left Out: 11219.536 ± 2.594 χ^2/NDF : 641740.7/12

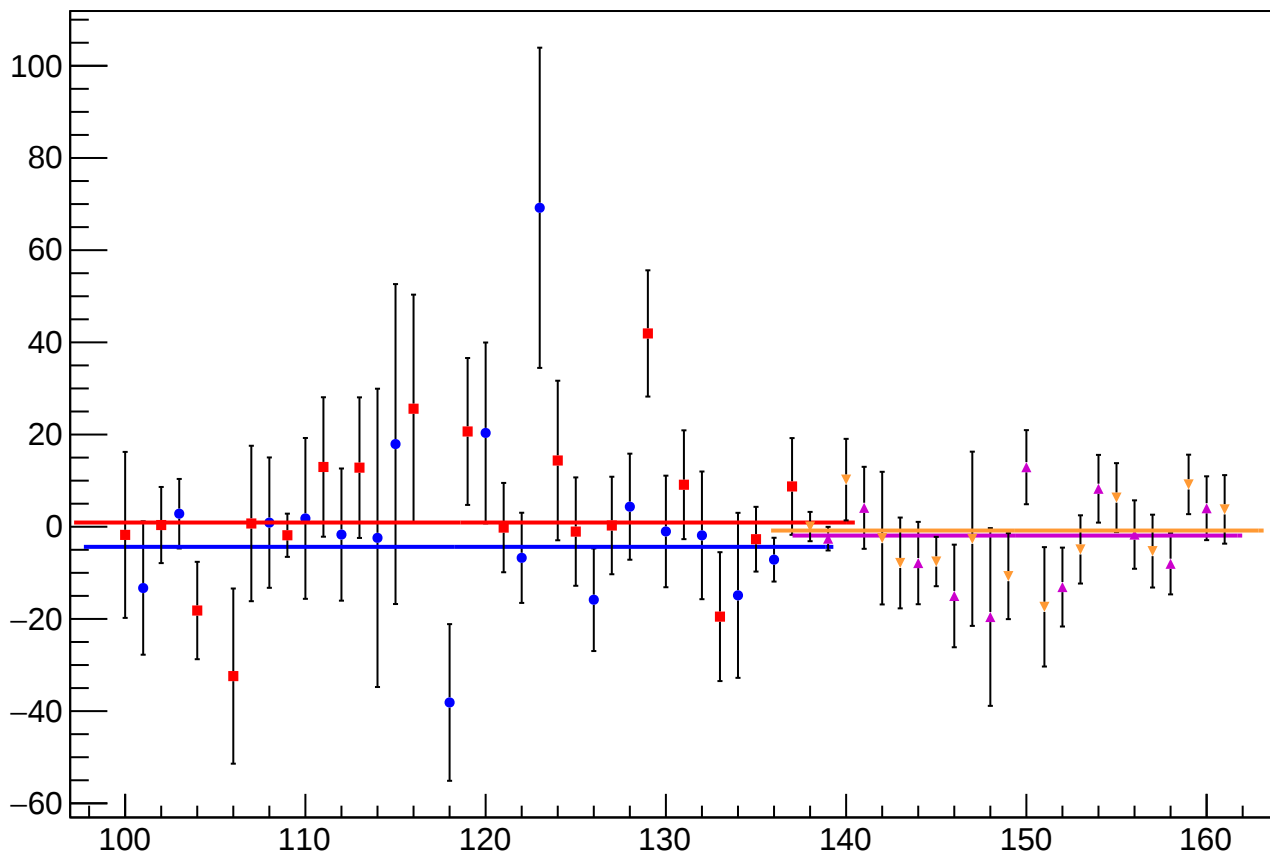
Right Out: 11612.220 ± 3.092 χ^2/NDF : 94308.1/18

Left In: 11431.779 ± 2.748 χ^2/NDF : 525136.4/10

11360.388 ± 2.013 χ^2/NDF : 887882.6/29

11511.429 ± 2.054 χ^2/NDF : 621347.1/29

diff_bpm11Y_mean vs Slug



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

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

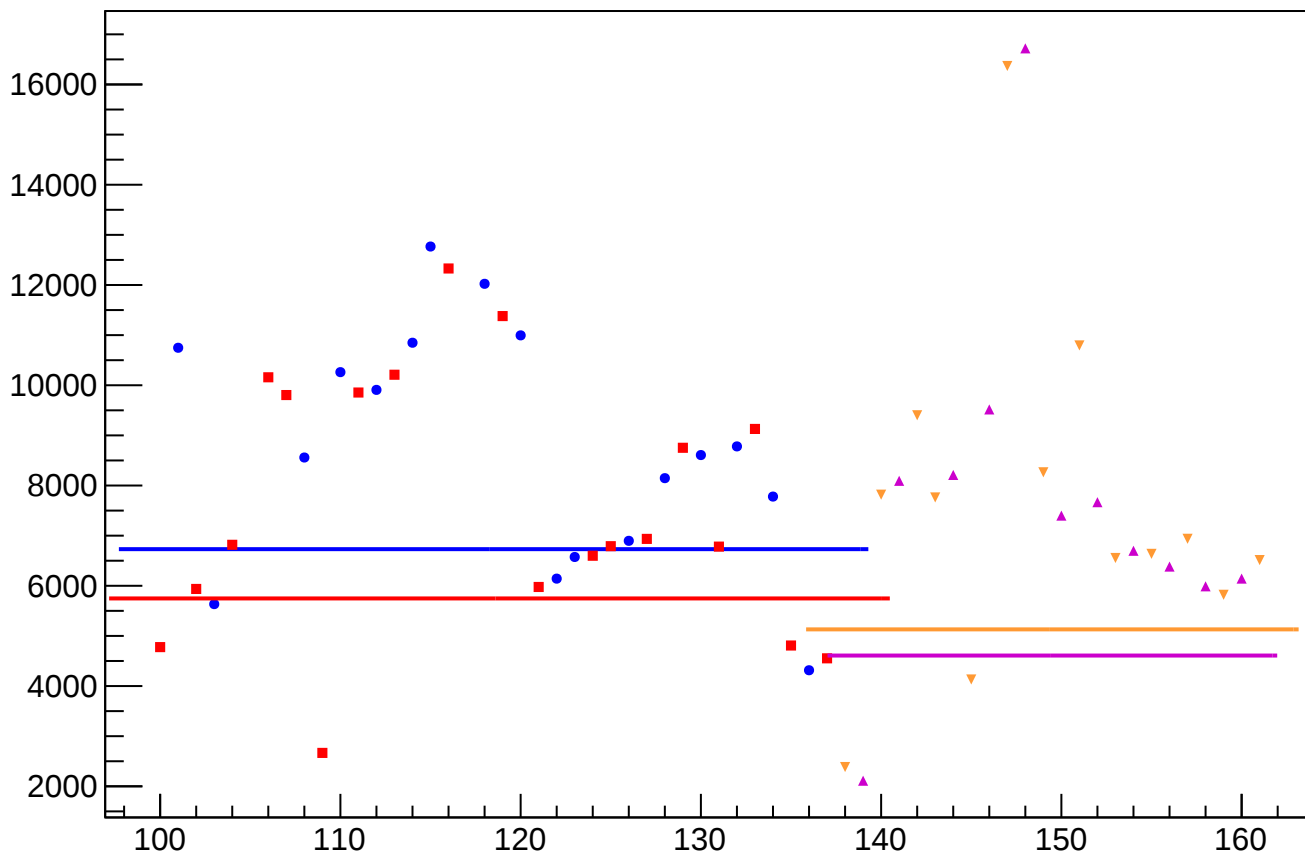
Right Out: 0.914 ± 2.426 χ^2/NDF : 23.5/18

Left In: -1.914 ± 1.833 χ^2/NDF : 11.8/10

-1.955 ± 1.569 χ^2/NDF : 26.4/29

-0.887 ± 1.462 χ^2/NDF : 36.2/29

diff_bpm11Y_rms vs Slug



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

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

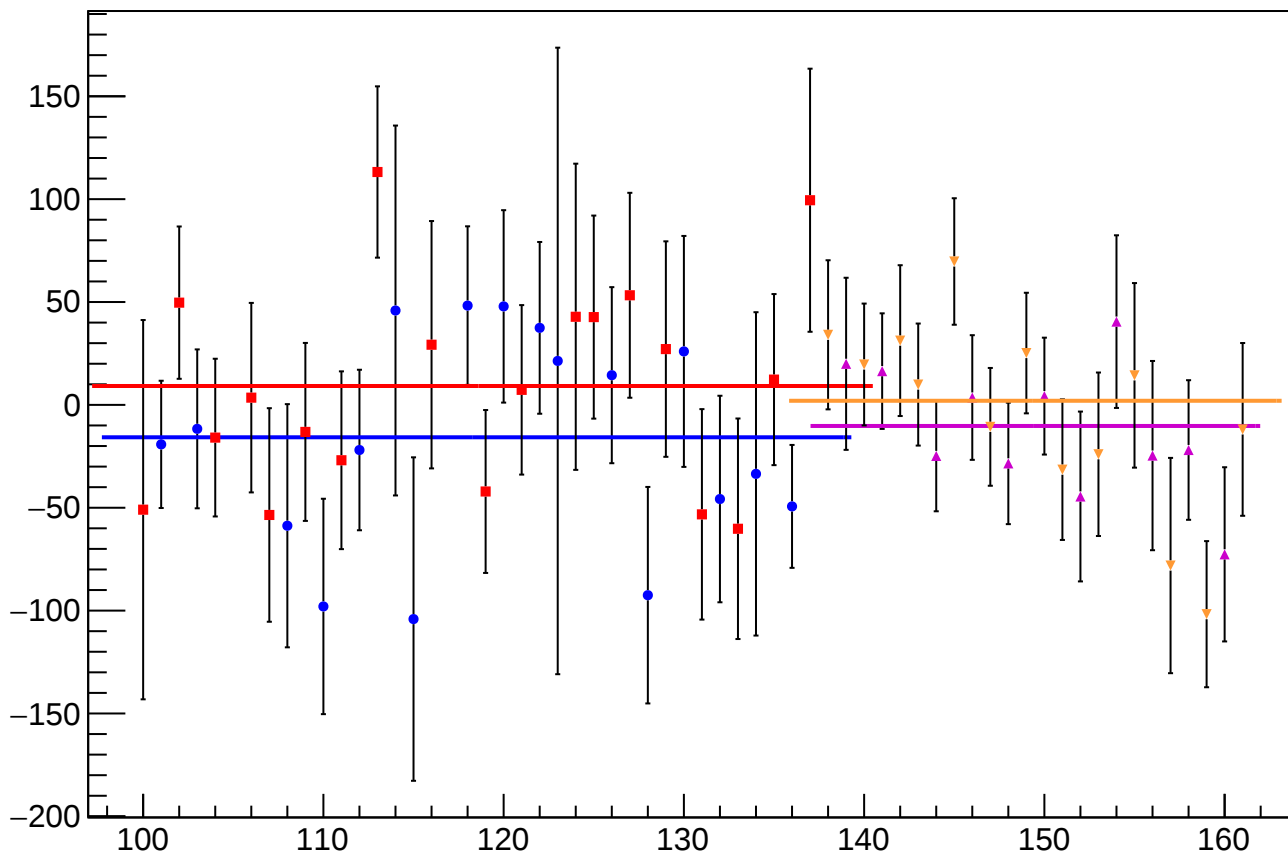
Right Out: 5747.643+/-1.716 χ^2/NDF : 2162236.7/18

Left In: 4608.516+/-1.296 χ^2/NDF :4669286.6/10

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

5022.377+/-1.034 χ^2/NDF : 7112251.6/29

diff_bpm12X_mean vs Slug



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

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

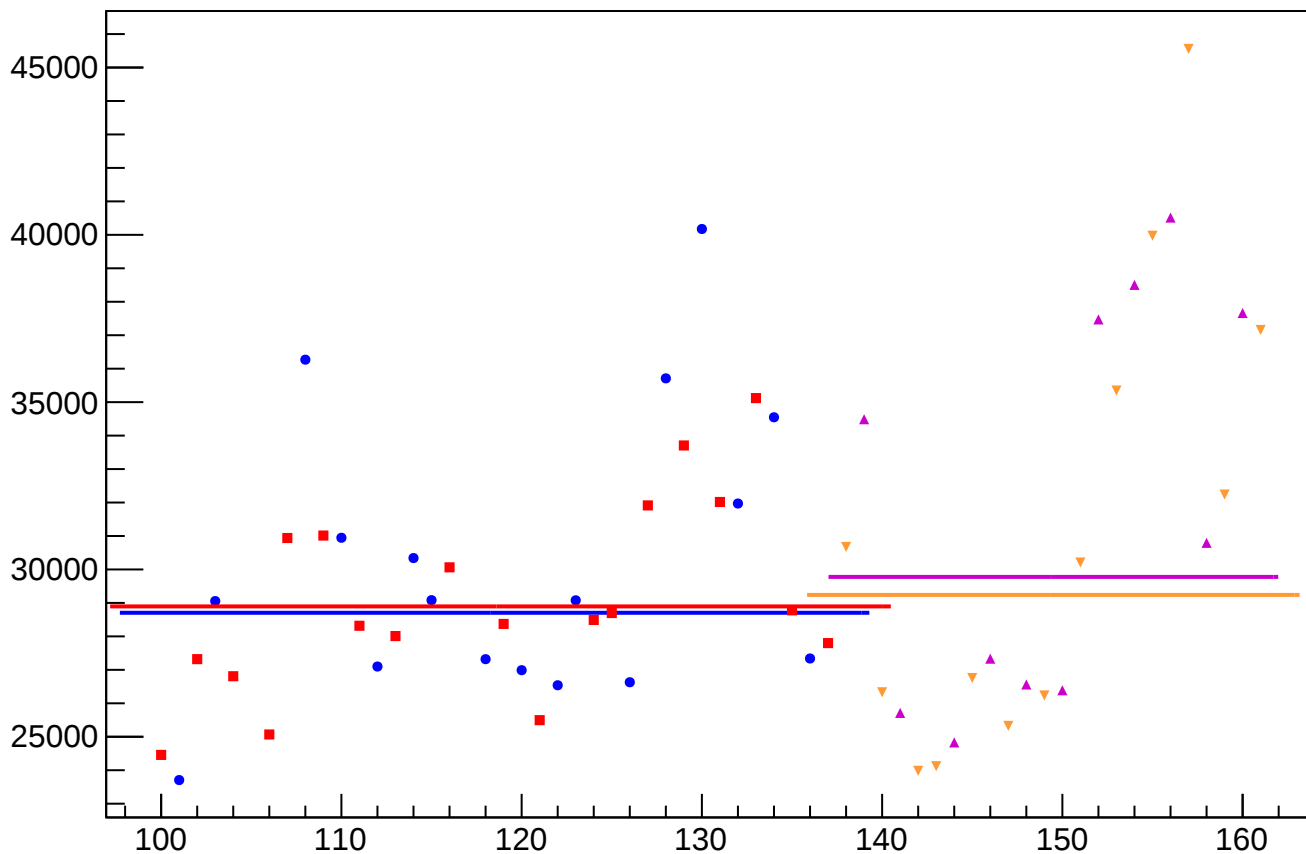
Right Out: 9.179 ± 10.889 χ^2/NDF : 19.3/18

Left In: -10.245 ± 10.128 χ^2/NDF : 7.1/10

-5.478 ± 7.274 χ^2/NDF : 37.3/29

-1.236 ± 7.416 χ^2/NDF : 28.1/29

diff_bpm12X_rms vs Slug



Right In: 28705.569 ± 7.925 $\chi^2/\text{NDF}: 250992.5/16$

Left Out: 29239.397 ± 6.762 $\chi^2/\text{NDF}: 637838.0/12$

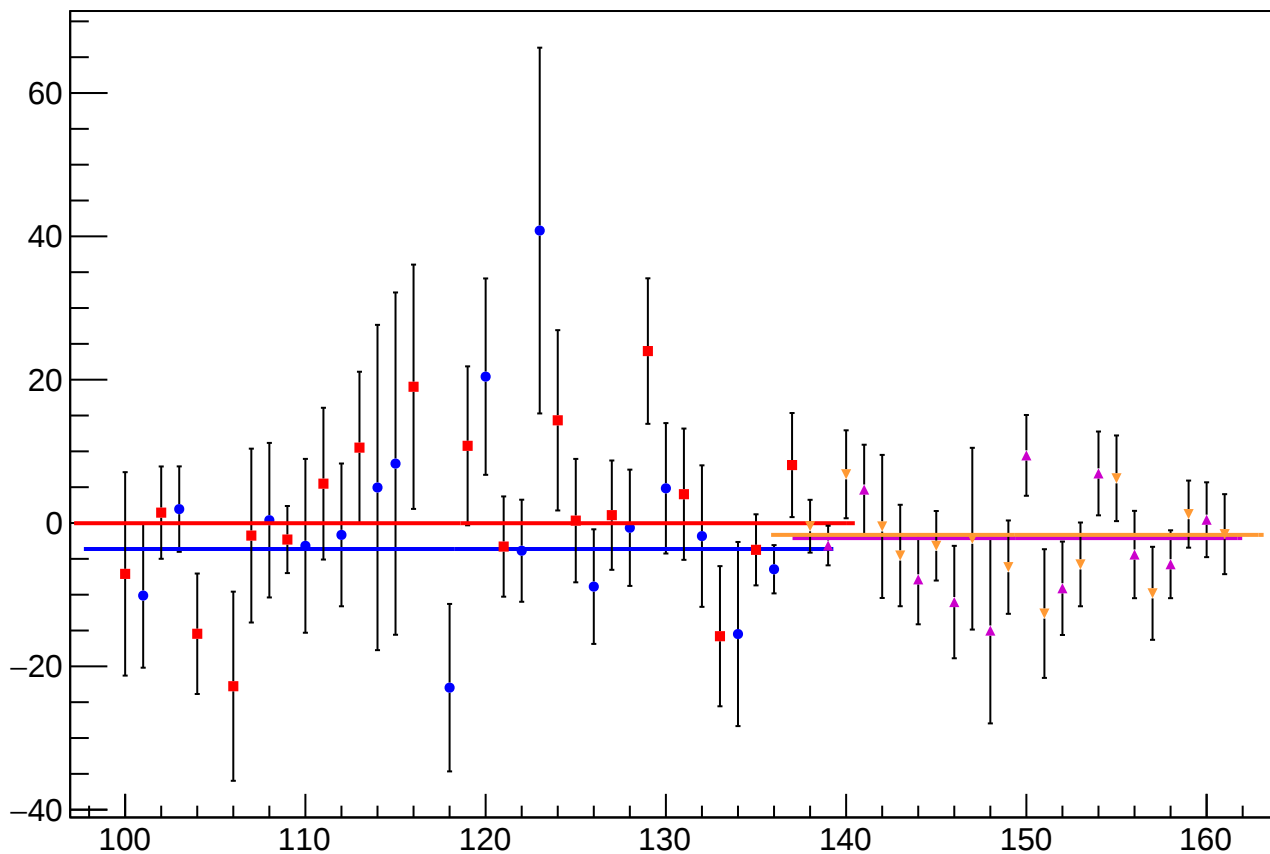
Right Out: 28895.535 ± 7.700 $\chi^2/\text{NDF}: 111212.6/18$

Left In: 29777.235 ± 7.161 $\chi^2/\text{NDF}: 536244.5/10$

29014.503 ± 5.144 $\chi^2/\text{NDF}: 891456.5/29$

29368.285 ± 5.244 $\chi^2/\text{NDF}: 654487.7/29$

diff_bpm12Y_mean vs Slug



Right In: -3.625 ± 2.006 $\chi^2/\text{NDF}: 13.7/16$

Left Out: -1.654 ± 1.636 $\chi^2/\text{NDF}: 8.5/12$

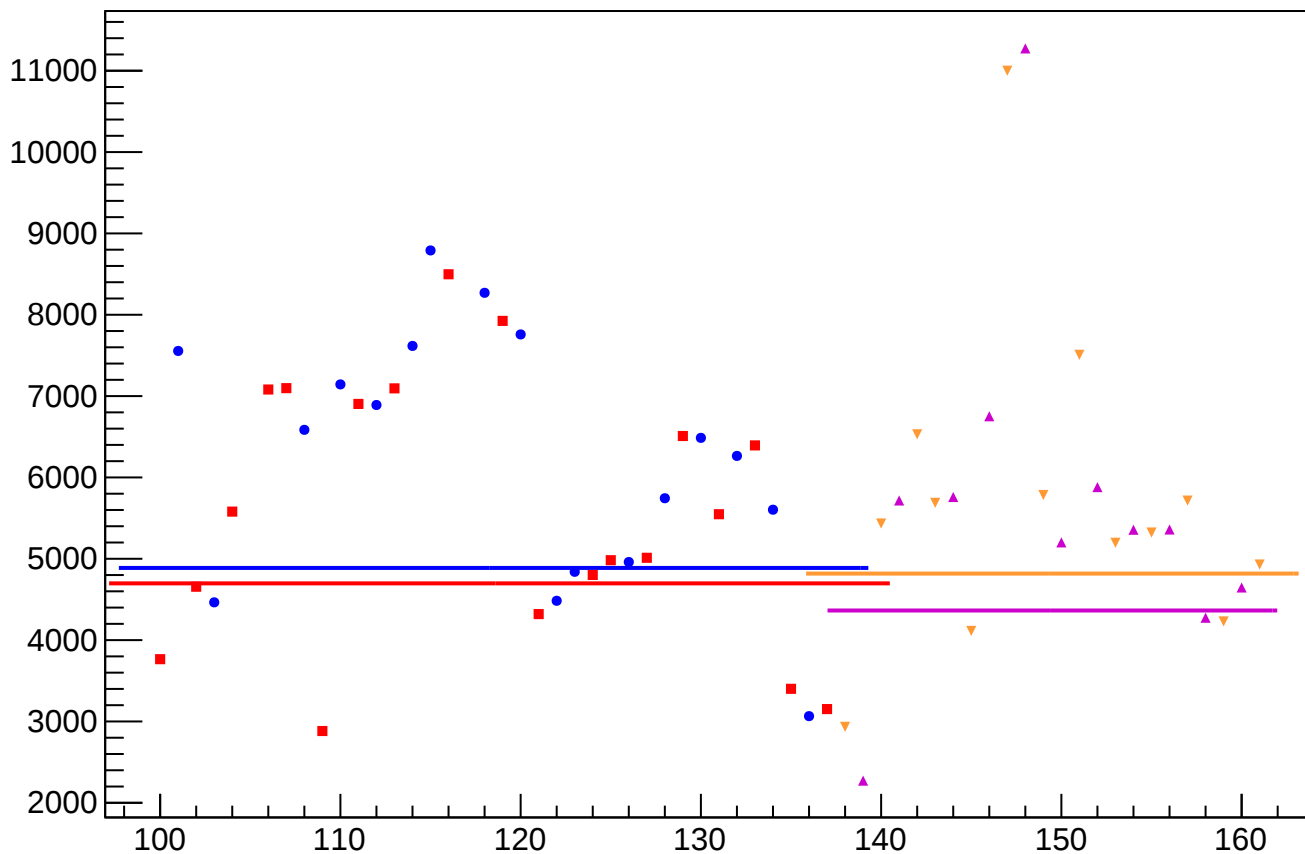
Right Out: -0.027 ± 1.890 $\chi^2/\text{NDF}: 22.1/18$

Left In: -2.105 ± 1.588 $\chi^2/\text{NDF}: 13.1/10$

-2.441 ± 1.268 $\chi^2/\text{NDF}: 22.8/29$

-1.245 ± 1.216 $\chi^2/\text{NDF}: 36.0/29$

diff_bpm12Y_rms vs Slug



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

Left Out: 4818.078+/-1.157 χ^2/NDF : 1466638.1/12

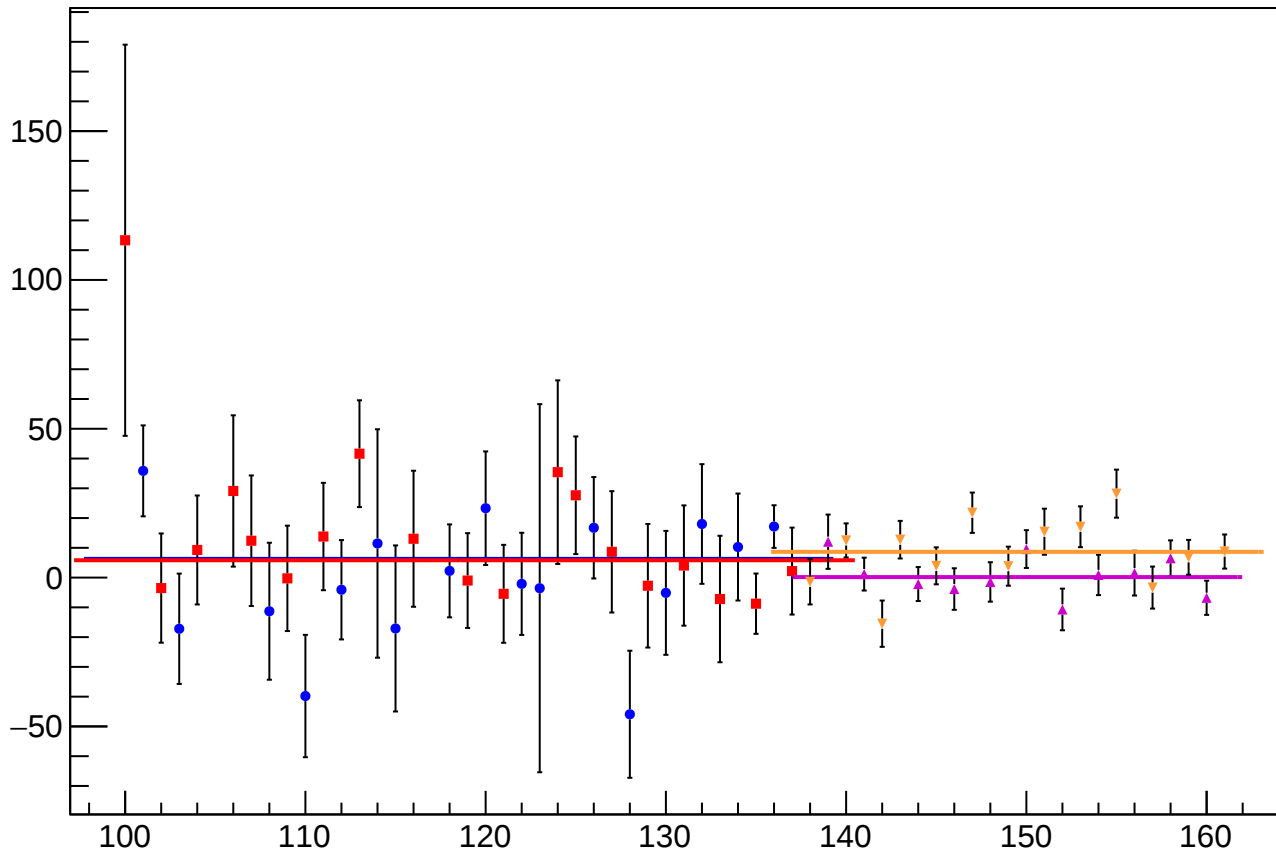
Right Out: 4697.726+/-1.336 χ^2/NDF : 1313121.0/18

Left In: 4364.244+/-1.123 χ^2/NDF : 2364678.0/10

4845.811+/-0.896 χ^2/NDF : 2877374.1/29

4502.205+/-0.860 χ^2/NDF : 3714307.4/29

diff_bpm16X_mean vs Slug



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

Left Out: 8.654 ± 1.846 χ^2/NDF : 28.3/12

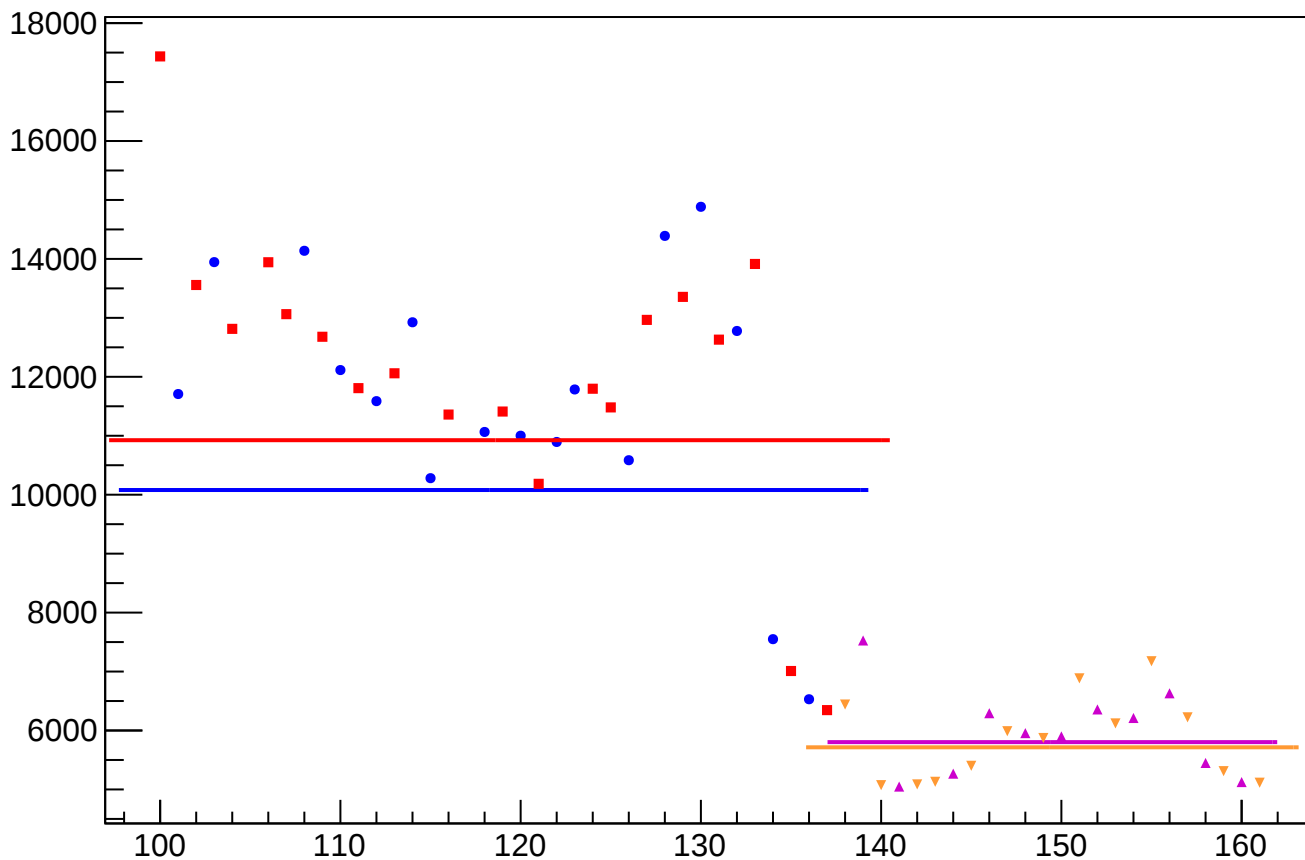
Right Out: 5.828 ± 4.219 χ^2/NDF : 13.8/18

Left In: 0.169 ± 1.955 χ^2/NDF : 9.5/10

8.249 ± 1.681 χ^2/NDF : 51.1/29

1.169 ± 1.774 χ^2/NDF : 24.8/29

diff_bpm16X_rms vs Slug



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

Left Out: 5714.698 ± 1.305 χ^2/NDF : 243262.5/12

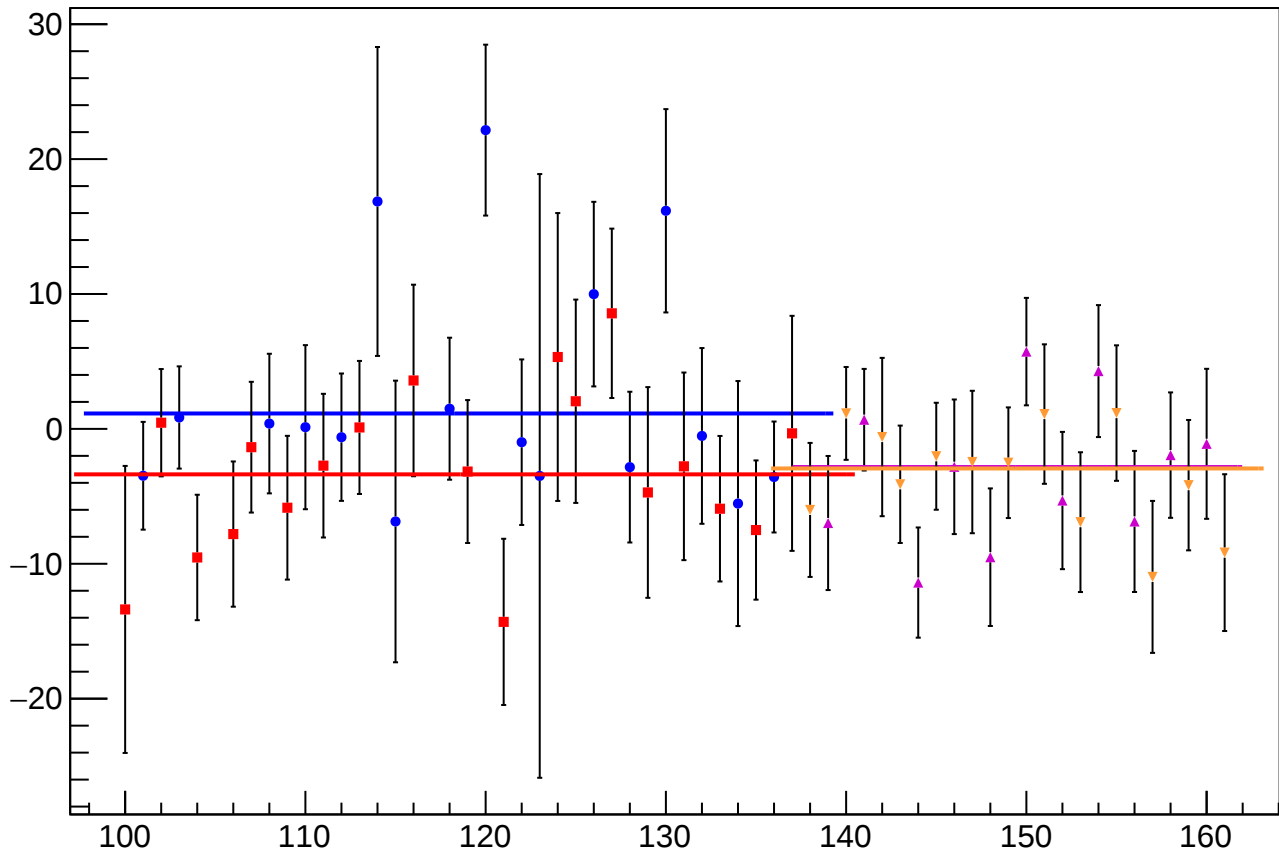
Right Out: 10924.541 ± 2.983 χ^2/NDF : 768447.5/18

Left In: 5802.781 ± 1.383 χ^2/NDF : 216588.7/10

6461.017 ± 1.188 χ^2/NDF : 3150334.7/29

6708.453 ± 1.255 χ^2/NDF : 3411210.9/29

diff_bpm16Y_mean vs Slug



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

Left Out: -2.934 $\pm$ 1.309 χ^2 /NDF: 7.2/12

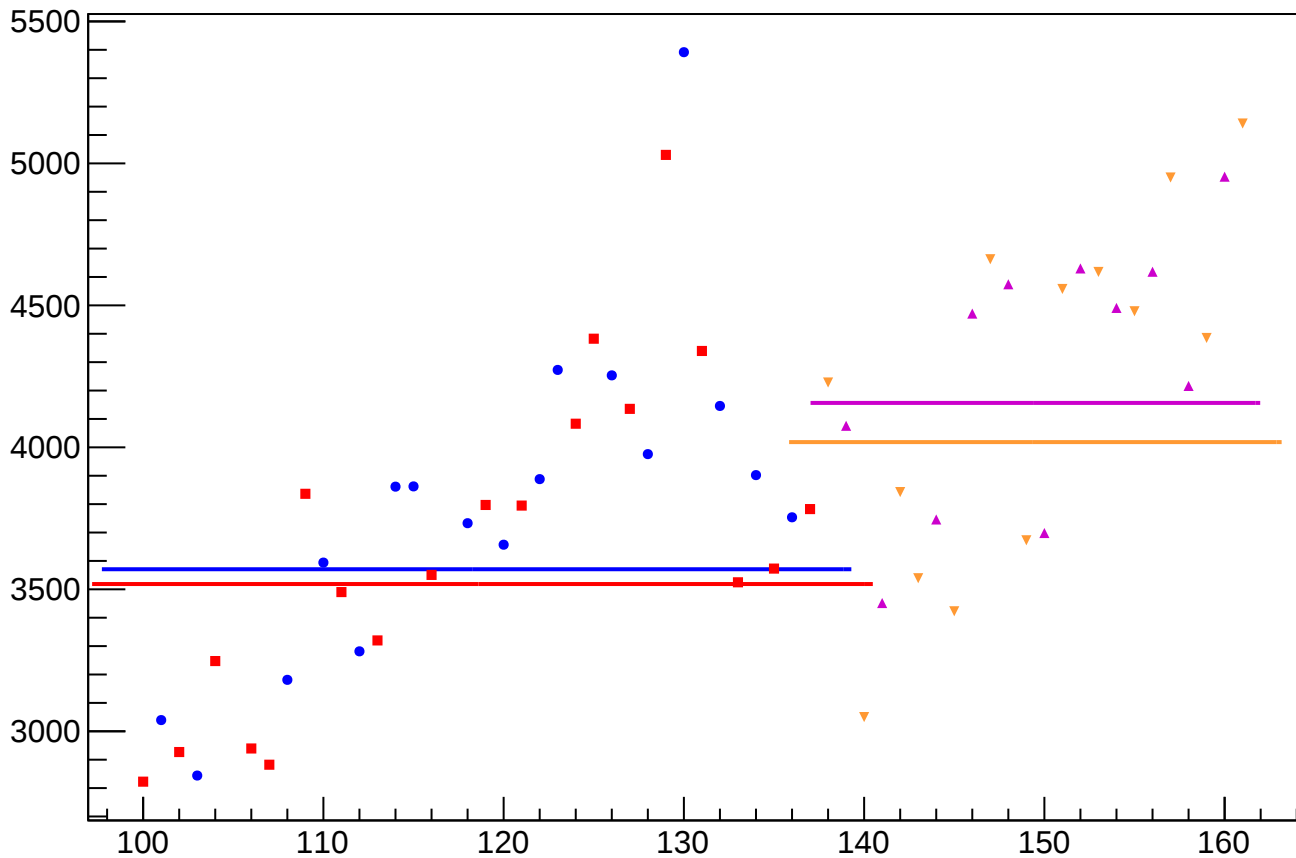
Right Out: -3.371 $\pm$ 1.333 χ^2 /NDF: 15.1/18

Left In: -2.829 $\pm$ 1.403 χ^2 /NDF: 15.4/10

-1.026 $\pm$ 0.954 χ^2 /NDF: 35.0/29

-3.114 $\pm$ 0.966 χ^2 /NDF: 30.5/29

diff_bpm16Y_rms vs Slug



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

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

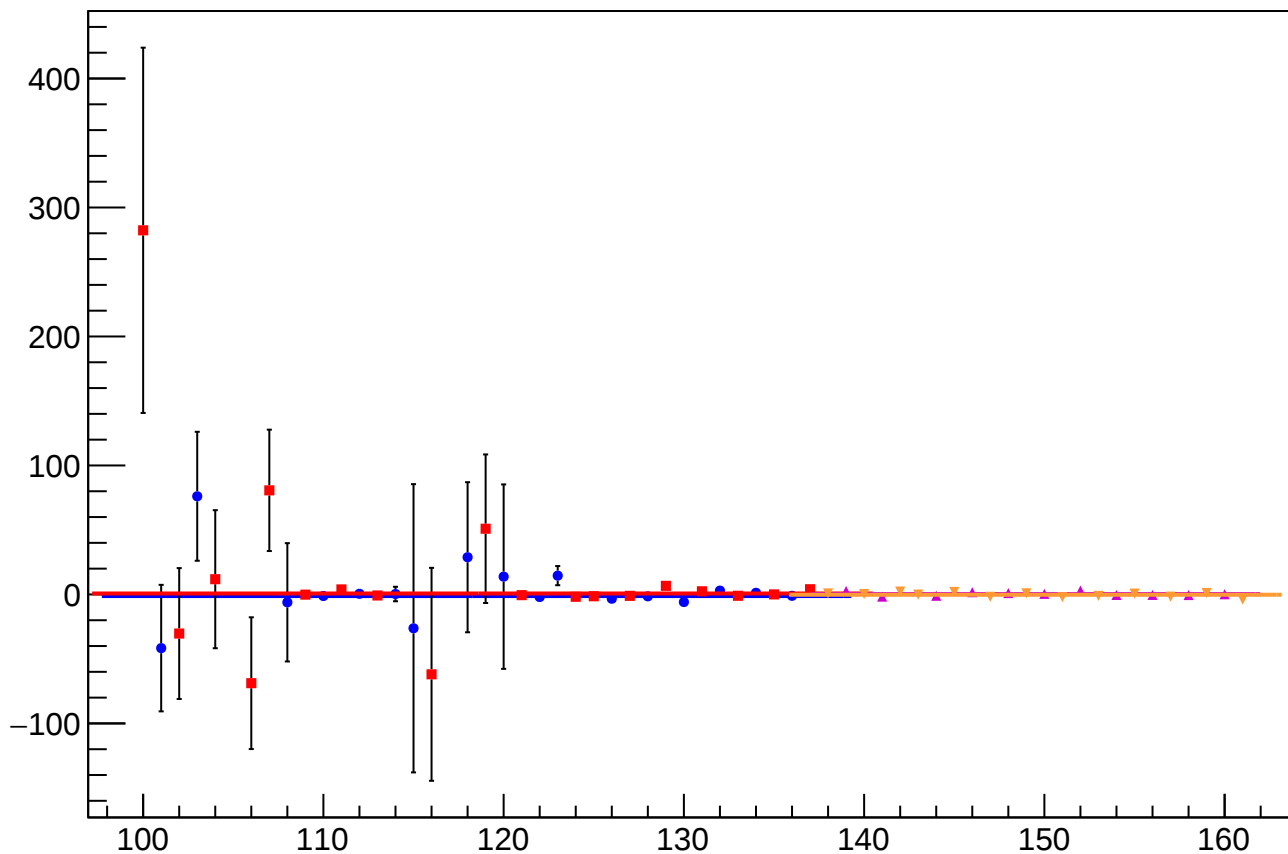
Right Out: 3518.621+/-0.943 χ^2/NDF : 293227.8/18

Left In: 4156.464+/-0.992 χ^2/NDF : 222246.6/10

3808.926+/-0.675 χ^2/NDF : 902474.6/29

3821.305+/-0.683 χ^2/NDF : 732732.9/29

diff_bpm1p02bX_mean vs Slug



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

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

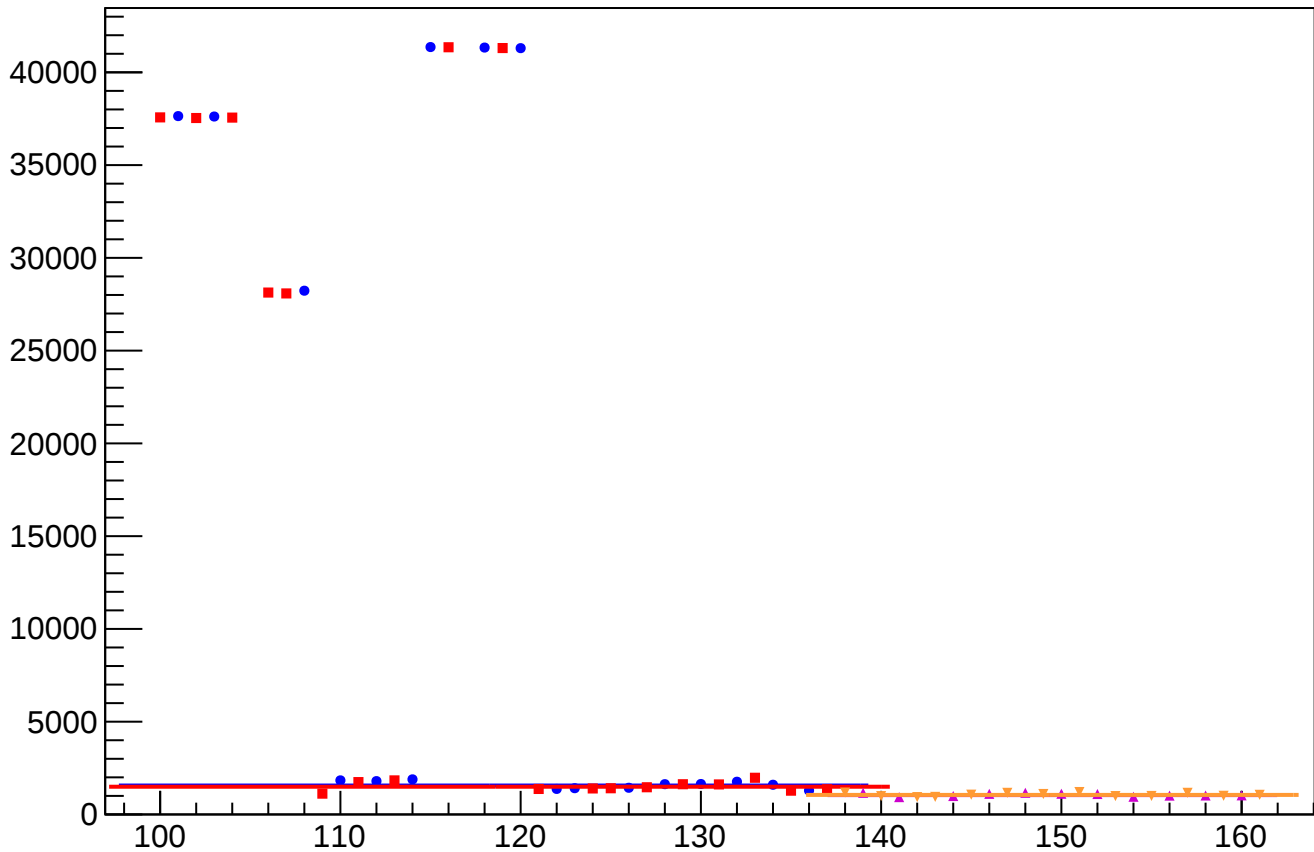
Right Out: 0.733 ± 0.710 χ^2/NDF : 22.1/18

Left In: 0.260 ± 0.350 χ^2/NDF : 16.0/10

-0.407 ± 0.308 χ^2/NDF : 43.2/29

0.352 ± 0.314 χ^2/NDF : 38.5/29

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1053.253+/-0.239 χ^2/NDF : 128565.1/12

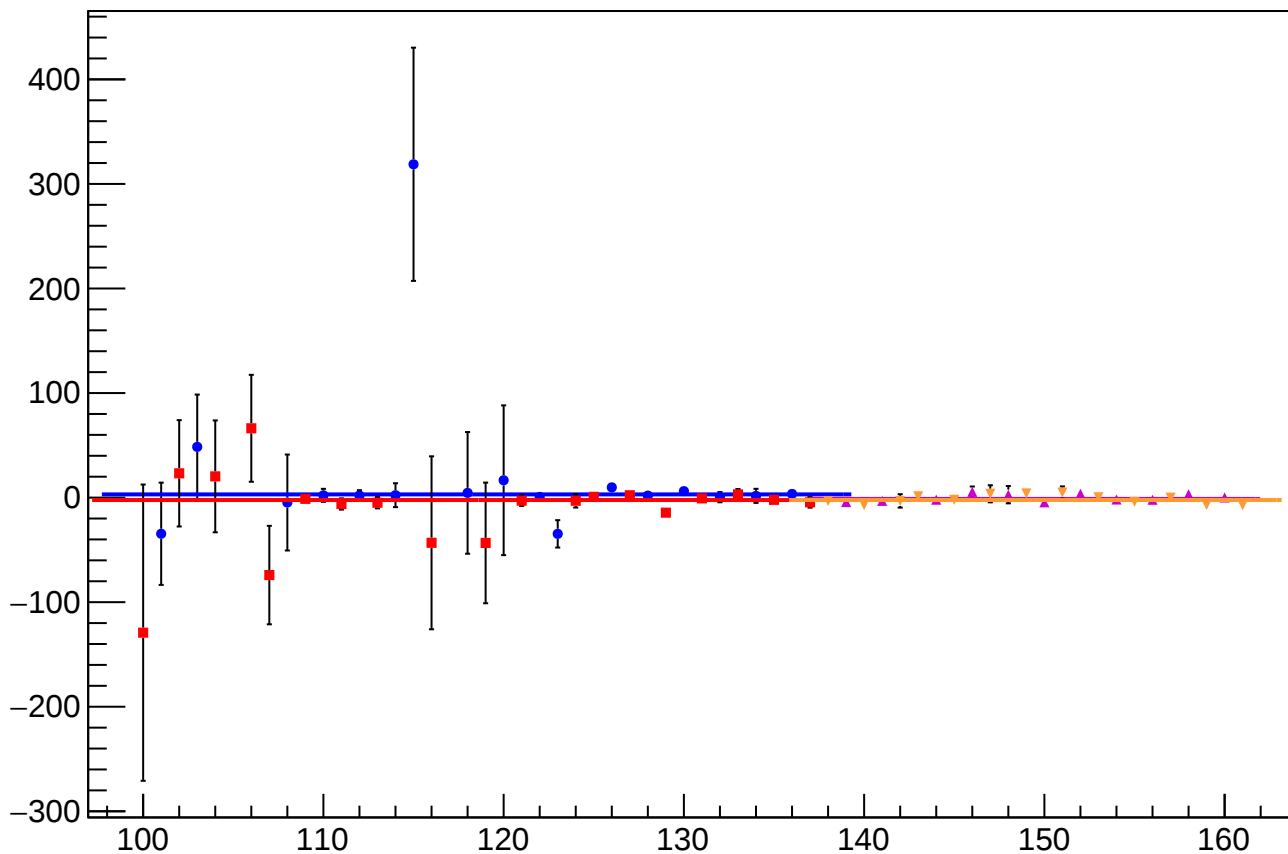
1139.306+/-0.218 χ^2/NDF : 5641221.9/29

Right Out: 1494.619+/-0.502 χ^2/NDF : 4892920.0/18

1131.468+/-0.222 χ^2/NDF : 5638791.0/29

Left In: 1043.049+/-0.248 χ^2/NDF : 95791.0/10

diff_bpm1p02bY_mean vs Slug



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

Left Out: -2.291 ± 1.093 χ^2/NDF : 10.1/12

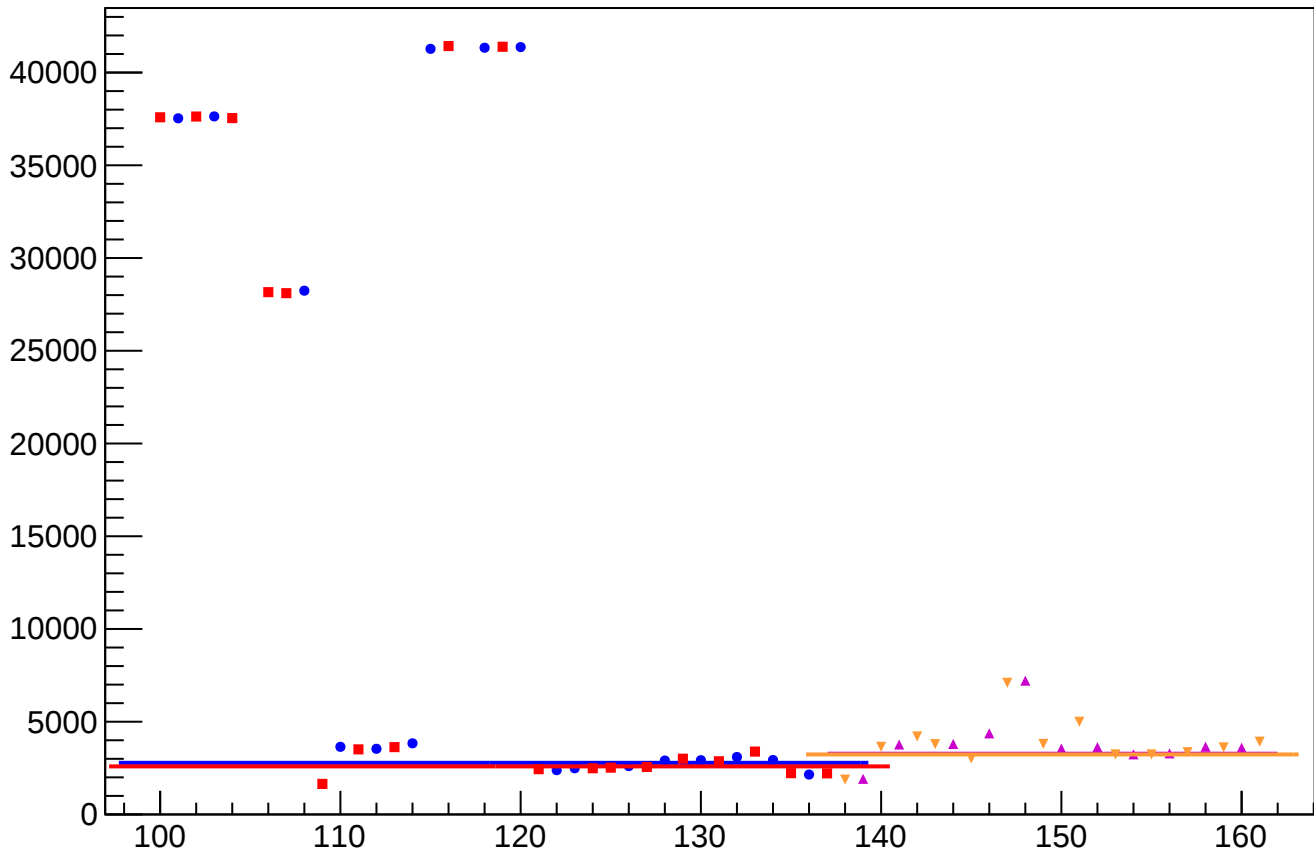
Right Out: -2.306 ± 1.235 χ^2/NDF : 16.9/18

Left In: -1.267 ± 1.152 χ^2/NDF : 7.5/10

-0.114 ± 0.843 χ^2/NDF : 41.7/29

-1.750 ± 0.842 χ^2/NDF : 24.8/29

diff_bpm1p02bY_rms vs Slug



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

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

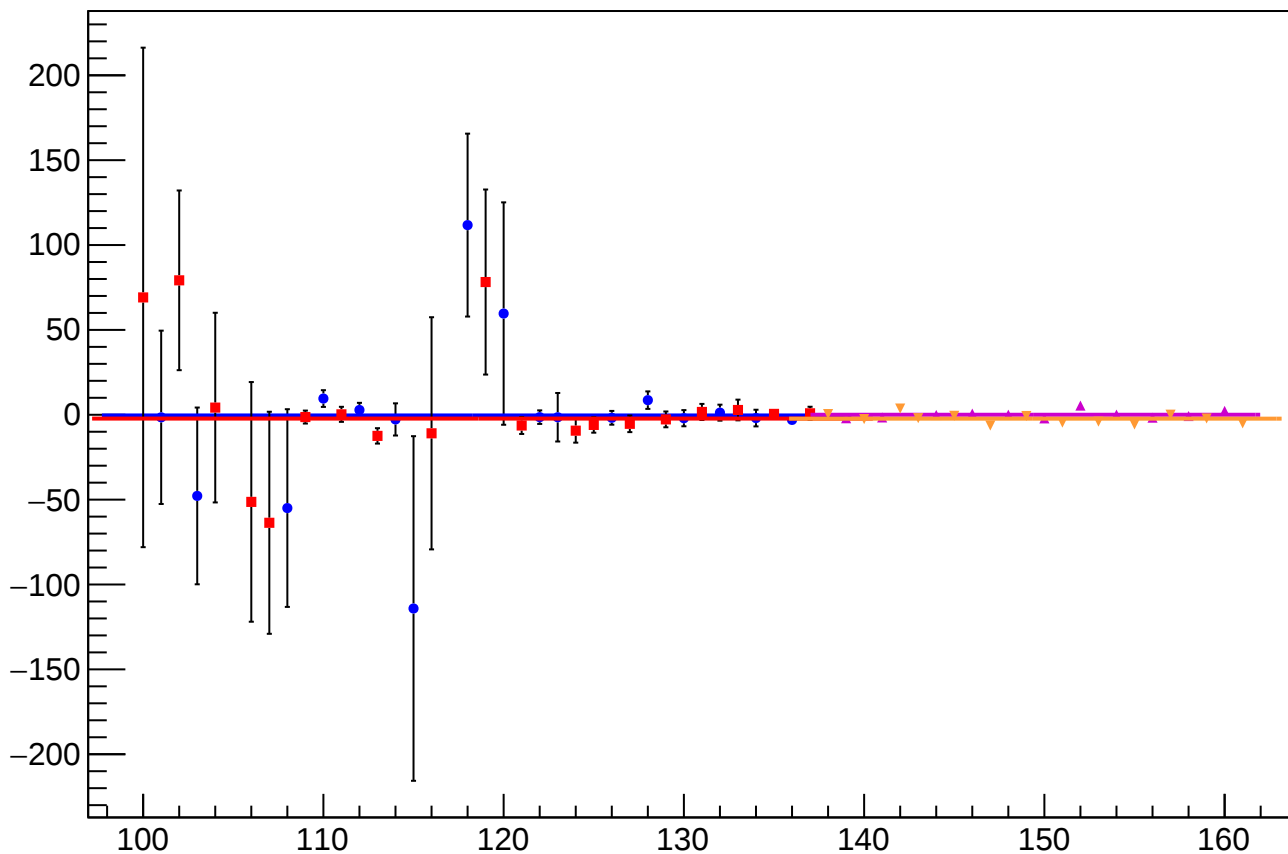
Right Out: 2591.161+/-0.873 χ^2 /NDF: 4846722.1/18

Left In: 3275.348+/-0.815 χ^2 /NDF: 1318734.3/10

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

2956.787+/-0.596 χ^2 /NDF: 6493732.5/29

diff_bpm1p03aX_mean vs Slug



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

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

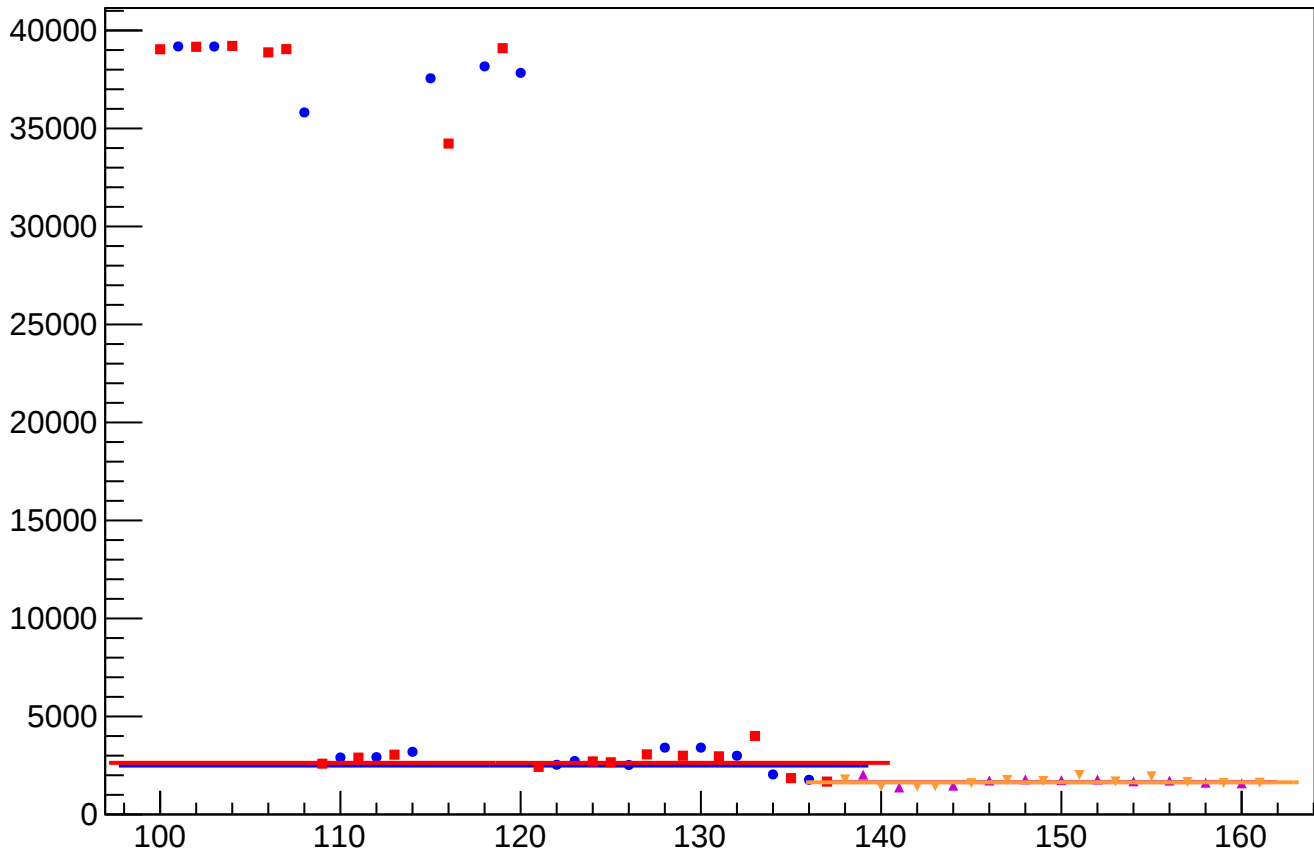
Right Out: -2.245+/-1.246 χ^2/NDF : 17.4/18

Left In: 0.008+/-0.556 χ^2/NDF : 13.4/10

-1.993+/-0.485 χ^2/NDF : 43.5/29

-0.366+/-0.508 χ^2/NDF : 33.5/29

diff_bpm1p03aX_rms vs Slug



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

Left Out: 1640.593+/-0.374 χ^2 /NDF: 203464.9/12

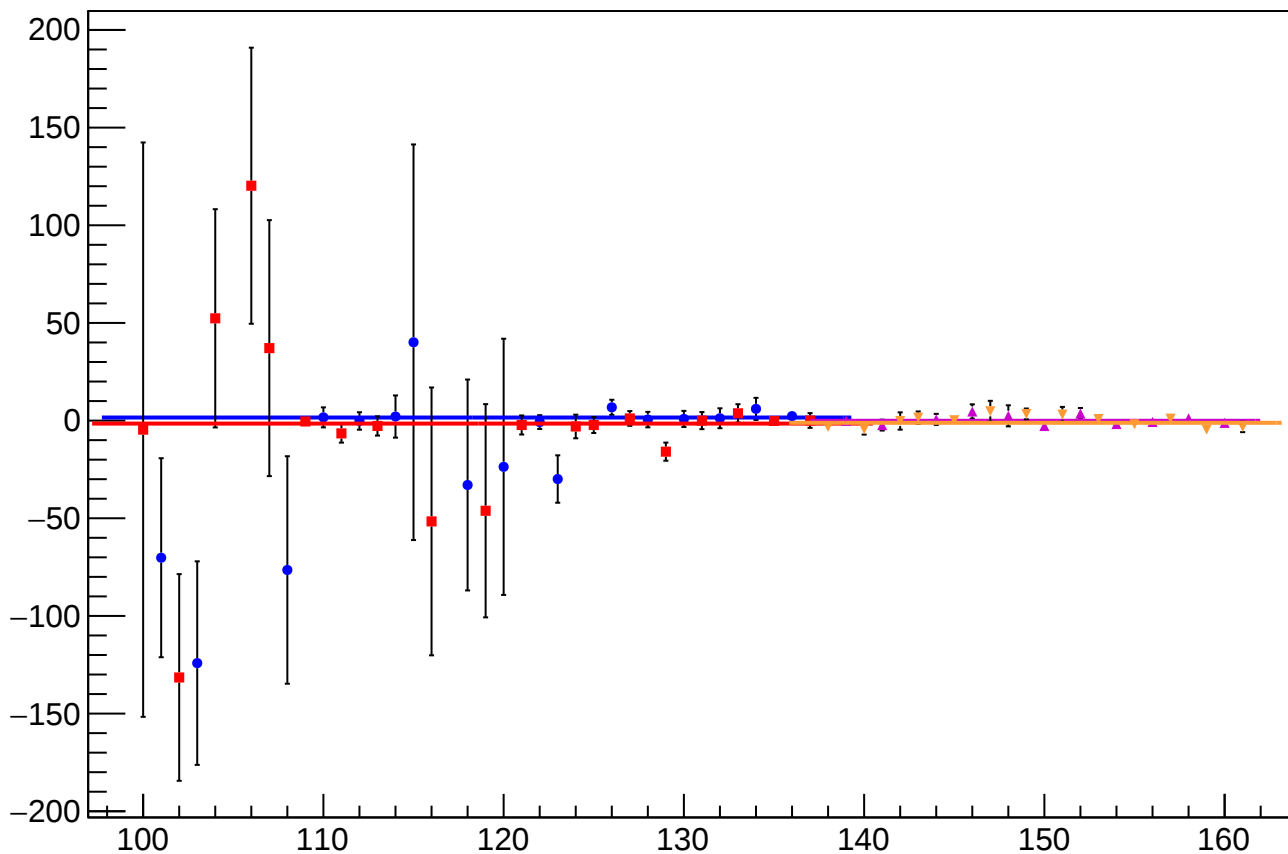
Right Out: 2633.244+/-0.881 χ^2 /NDF: 4860512.6/18

Left In: 1650.379+/-0.393 χ^2 /NDF: 172869.8/10

1776.239+/-0.343 χ^2 /NDF: 5915223.0/29

1813.471+/-0.359 χ^2 /NDF: 6071476.4/29

diff_bpm1p03aY_mean vs Slug



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

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

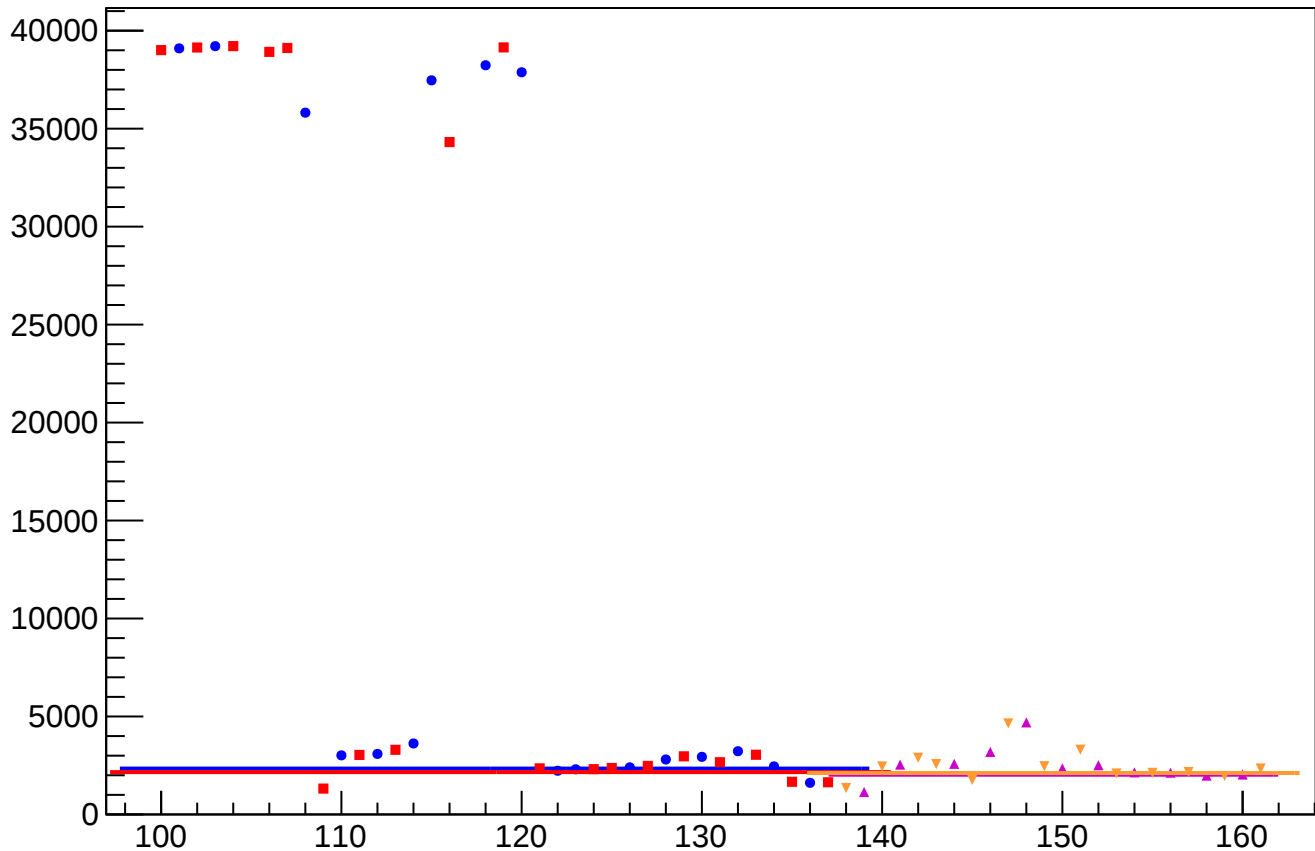
Right Out: -1.524 ± 1.062 χ^2/NDF : 25.0/18

Left In: -0.097 ± 0.723 χ^2/NDF : 6.5/10

-0.362 ± 0.607 χ^2/NDF : 38.1/29

-0.548 ± 0.598 χ^2/NDF : 32.8/29

diff_bpm1p03aY_rms vs Slug



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

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

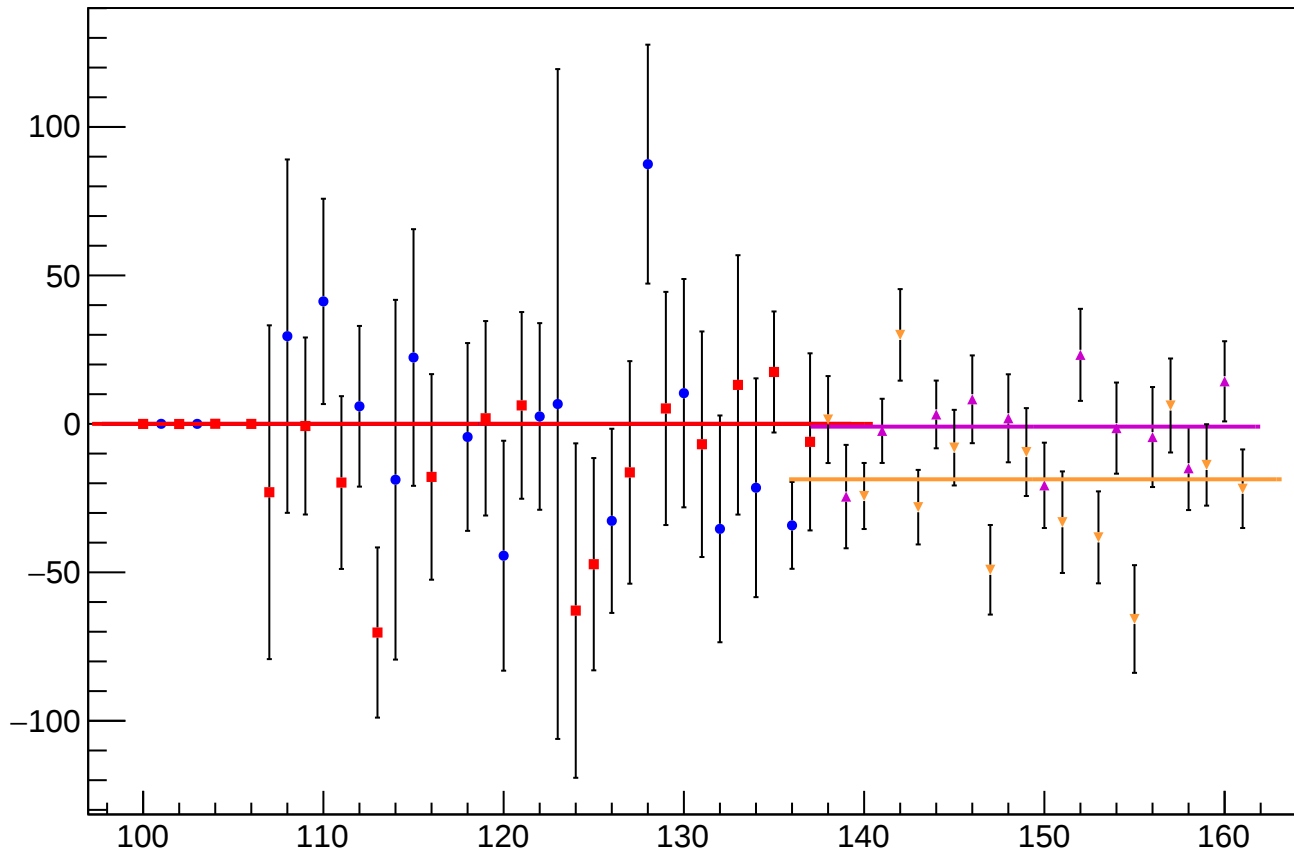
Right Out: 2161.162+/-0.751 χ^2 /NDF: 5299050.1/18

Left In: 2027.521+/-0.511 χ^2 /NDF:1746635.8/10

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

2069.844+/-0.423 χ^2 /NDF: 7067320.8/29

diff_cav4bX_mean vs Slug



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

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

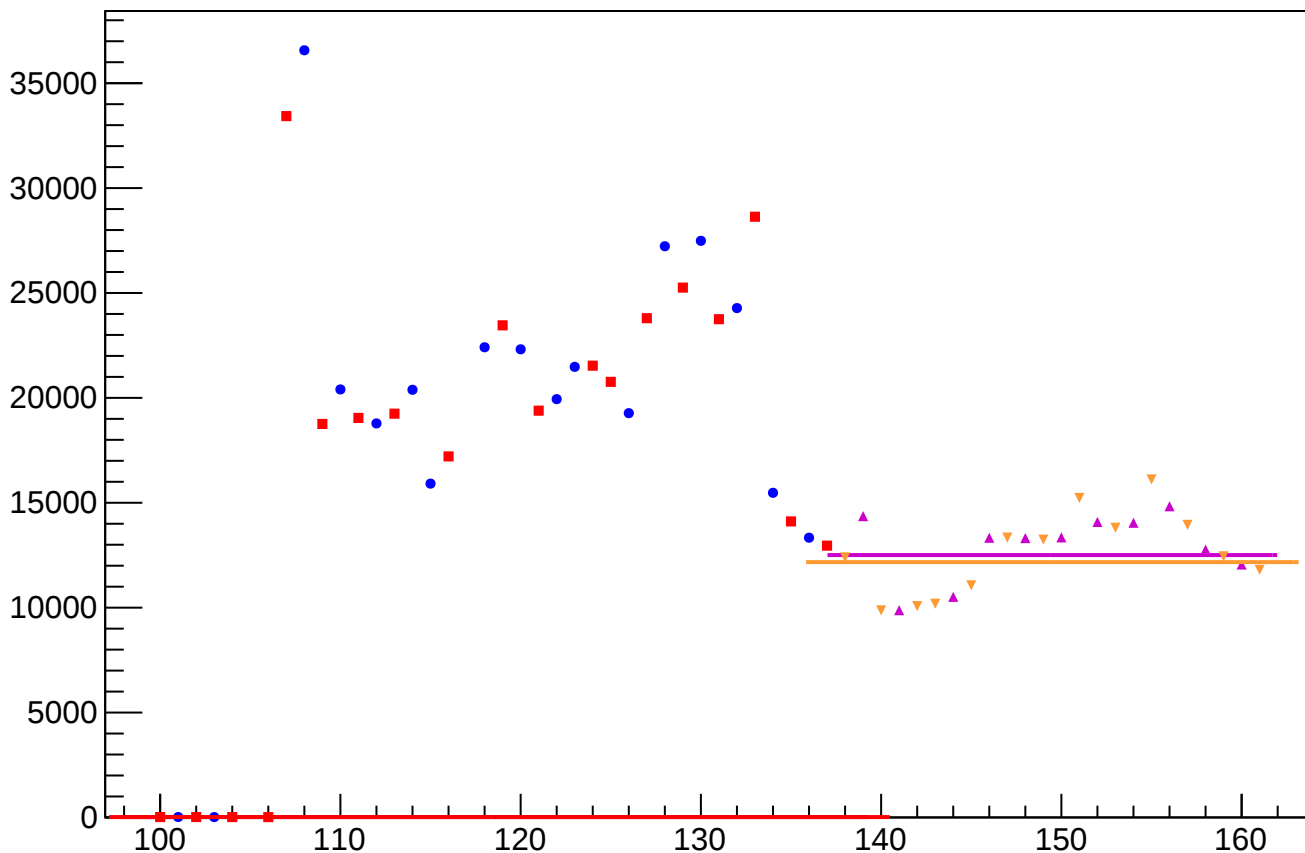
Right Out: 0.003 ± 0.016 χ^2/NDF : 15.9/18

Left In: -0.927 ± 4.226 χ^2/NDF : 9.0/10

0.013 ± 0.017 χ^2/NDF : 68.0/29

0.003 ± 0.016 χ^2/NDF : 25.0/29

diff_cav4bX_rms vs Slug



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

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

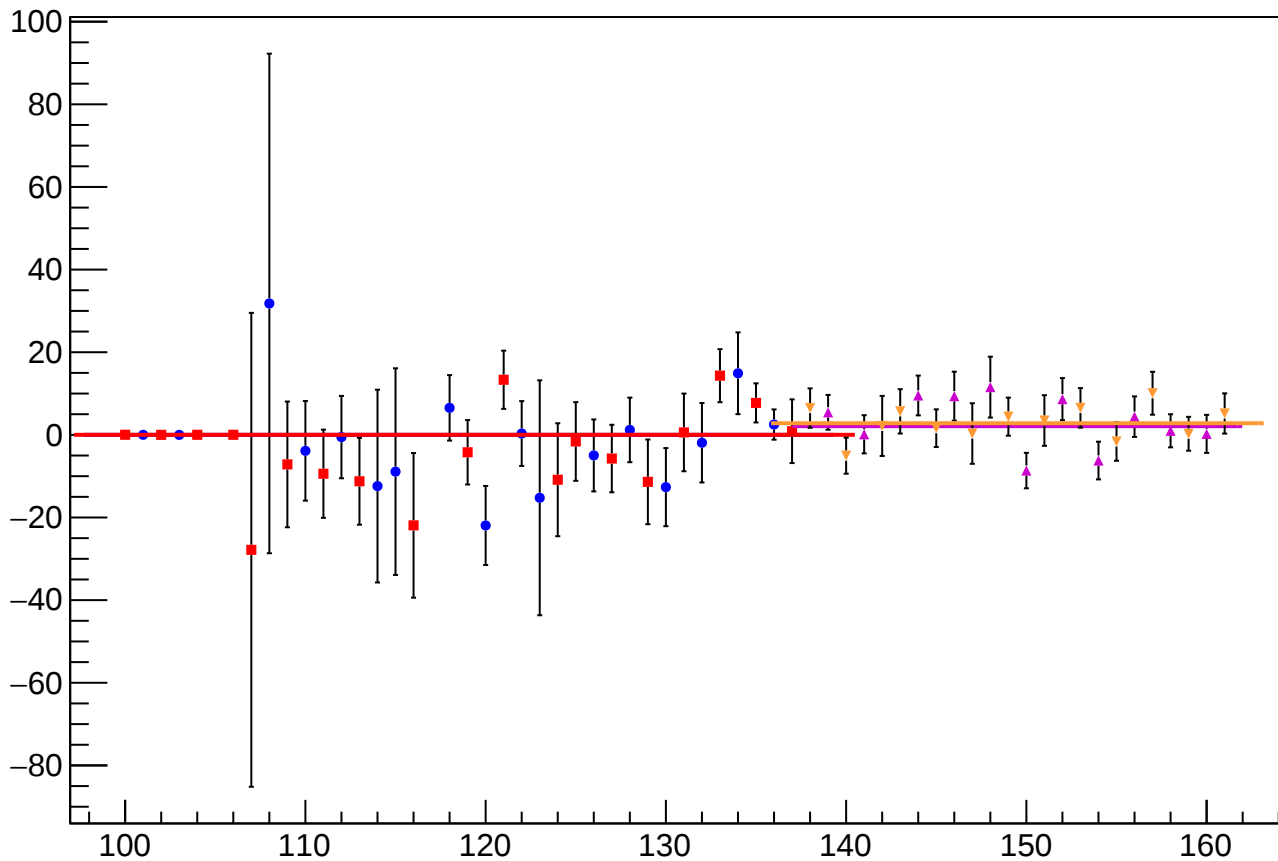
Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11110665.6/18

Left In: 12507.285 $\pm$ 2.988 χ^2 /NDF: 302959.3/10

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

18.492 $\pm$ 0.011 χ^2 /NDF: 28877558.8/29

diff_cav4bY_mean vs Slug



Right In: 0.001+/-0.009 χ^2/NDF : 13.0/16

Left Out: 2.821+/-1.388 χ^2/NDF : 8.5/12

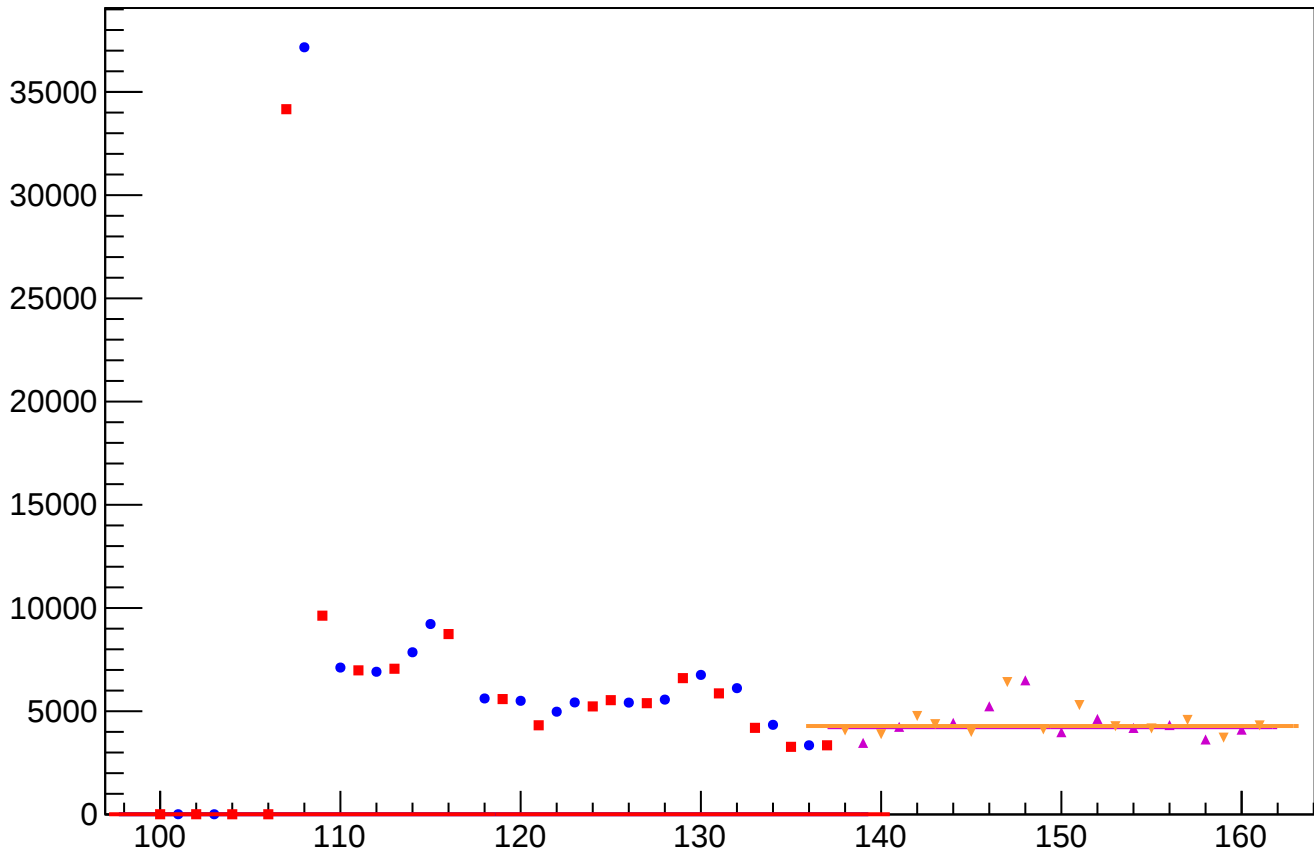
Right Out: 0.014+/-0.009 χ^2/NDF : 18.6/18

Left In: 2.115+/-1.436 χ^2/NDF : 18.0/10

0.001+/-0.009 χ^2/NDF : 25.6/29

0.014+/-0.009 χ^2/NDF : 38.7/29

diff_cav4bY_rms vs Slug



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

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

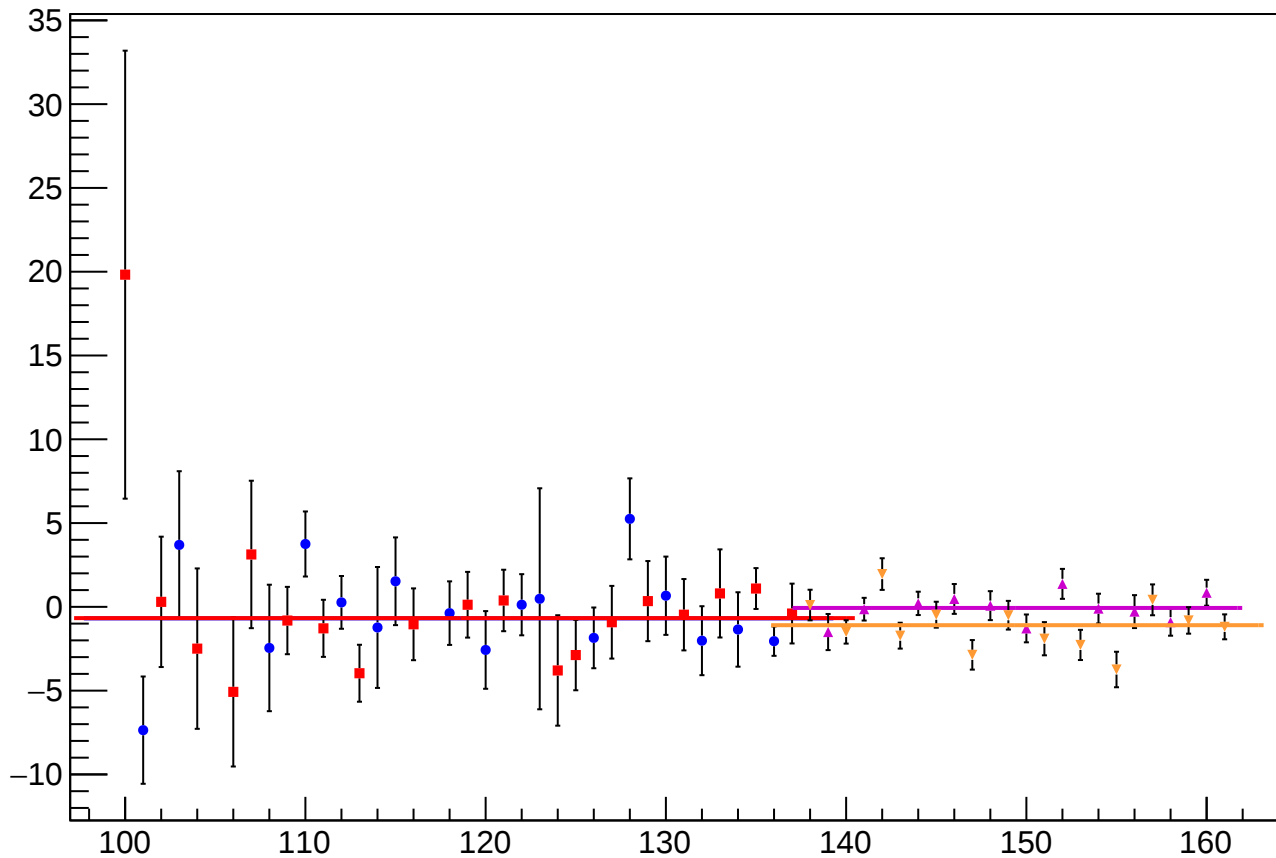
Right Out: 9.854+/-0.006 χ^2/NDF : 11159992.3/18

Left In: 4227.622+/-1.015 χ^2/NDF : 382466.6/10

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

10.007+/-0.006 χ^2/NDF : 28796885.5/29

diff_cav4cX_mean vs Slug



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

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

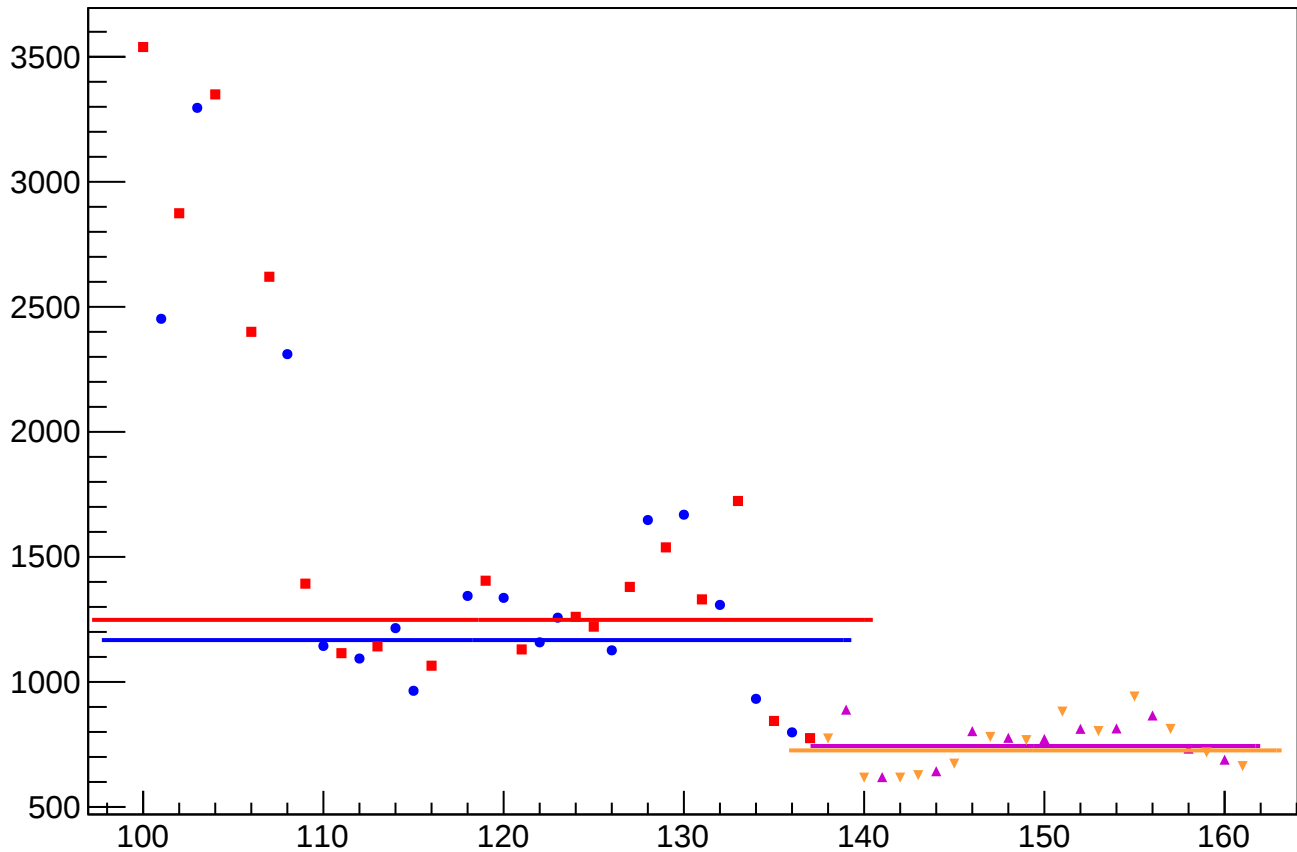
Right Out: -0.672 ± 0.501 χ^2/NDF : 13.3/18

Left In: -0.065 ± 0.251 χ^2/NDF : 9.6/10

-1.017 ± 0.211 χ^2/NDF : 52.9/29

-0.187 ± 0.224 χ^2/NDF : 24.1/29

diff_cav4cX_rms vs Slug



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

Left Out: 726.192 $\pm$ 0.166 χ^2 /NDF: 313980.8/12

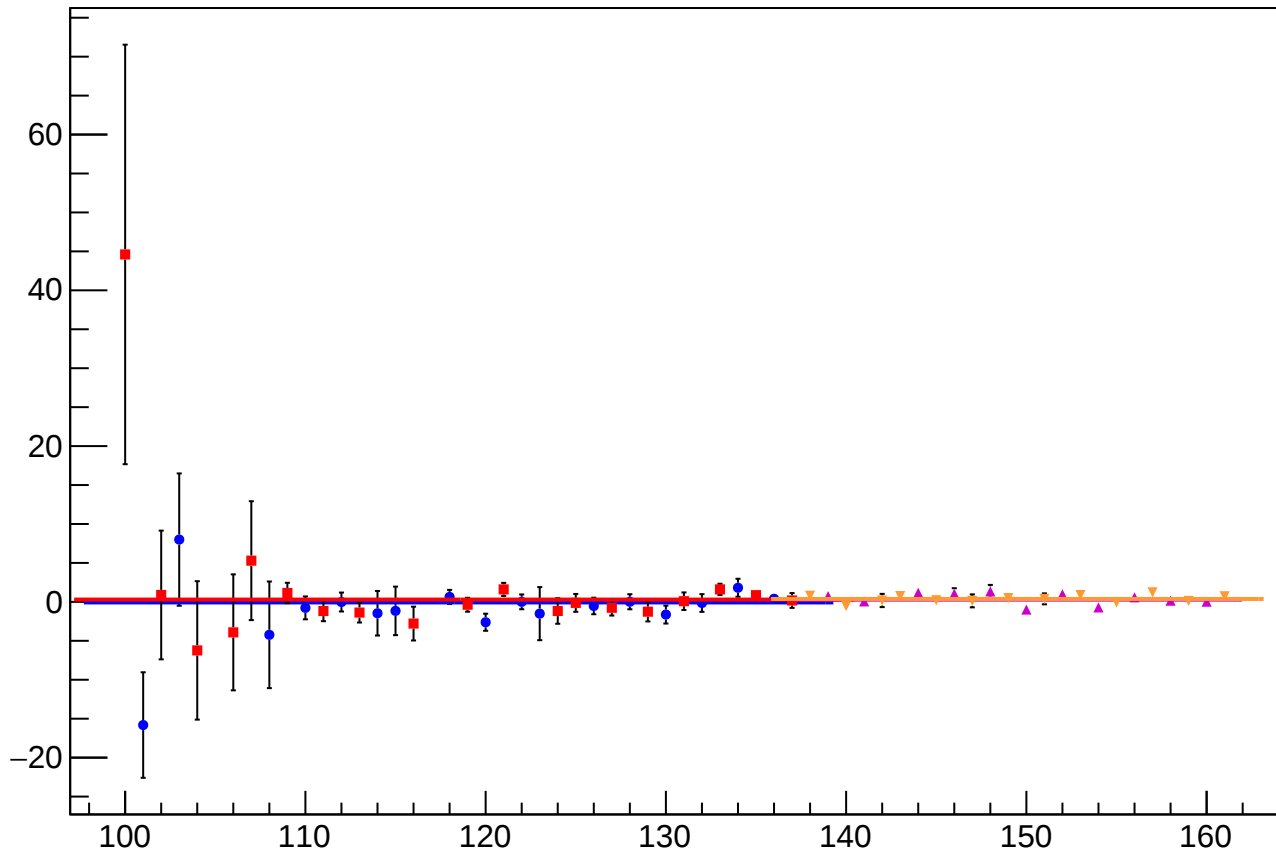
810.821 $\pm$ 0.149 χ^2 /NDF: 3245123.5/29

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

844.936 $\pm$ 0.159 χ^2 /NDF: 3502506.4/29

Left In: 743.824 $\pm$ 0.177 χ^2 /NDF: 225411.6/10

diff_cav4cY_mean vs Slug



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

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

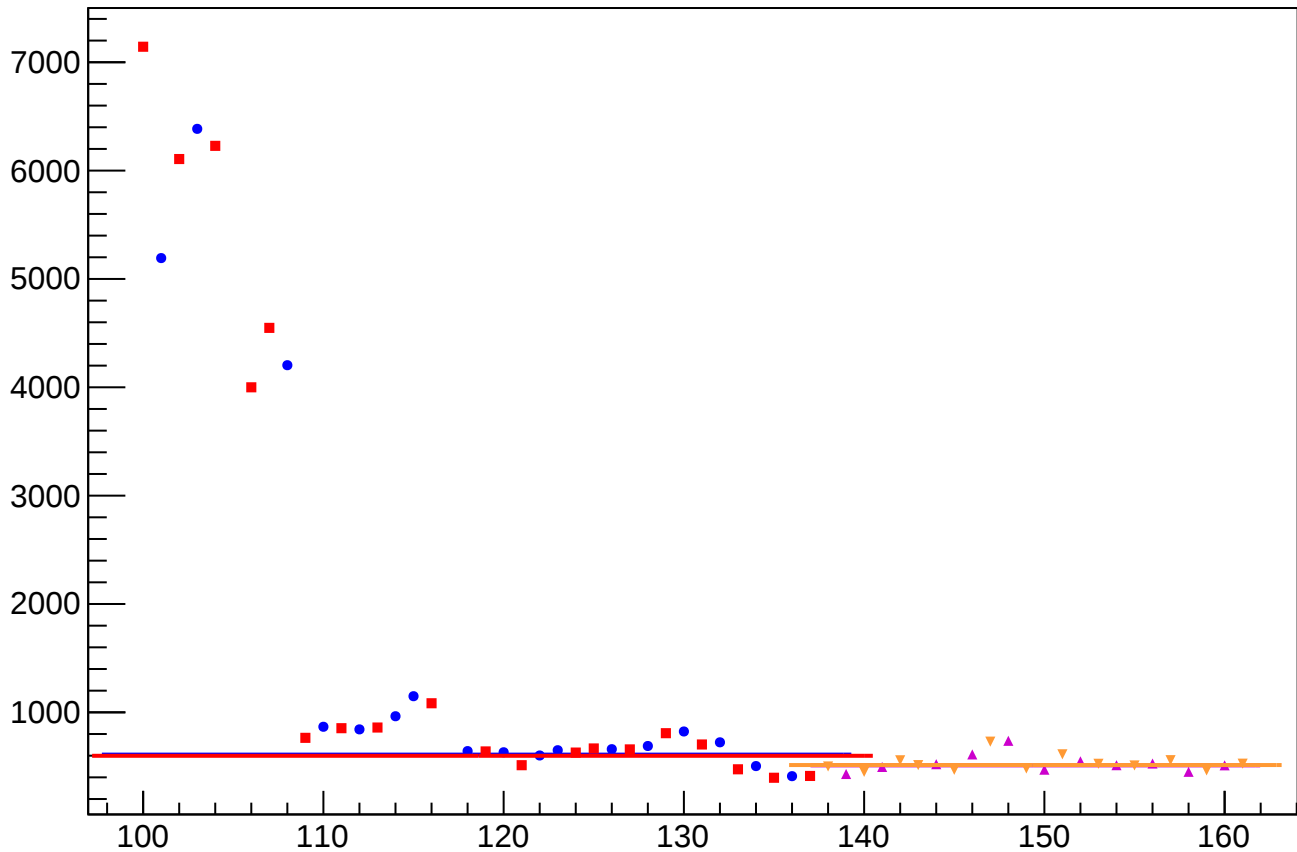
Right Out: 0.294 ± 0.264 χ^2/NDF : 20.2/18

Left In: 0.287 ± 0.173 χ^2/NDF : 17.6/10

0.250 ± 0.141 χ^2/NDF : 29.3/29

0.289 ± 0.145 χ^2/NDF : 37.9/29

diff_cav4cY_rms vs Slug



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

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

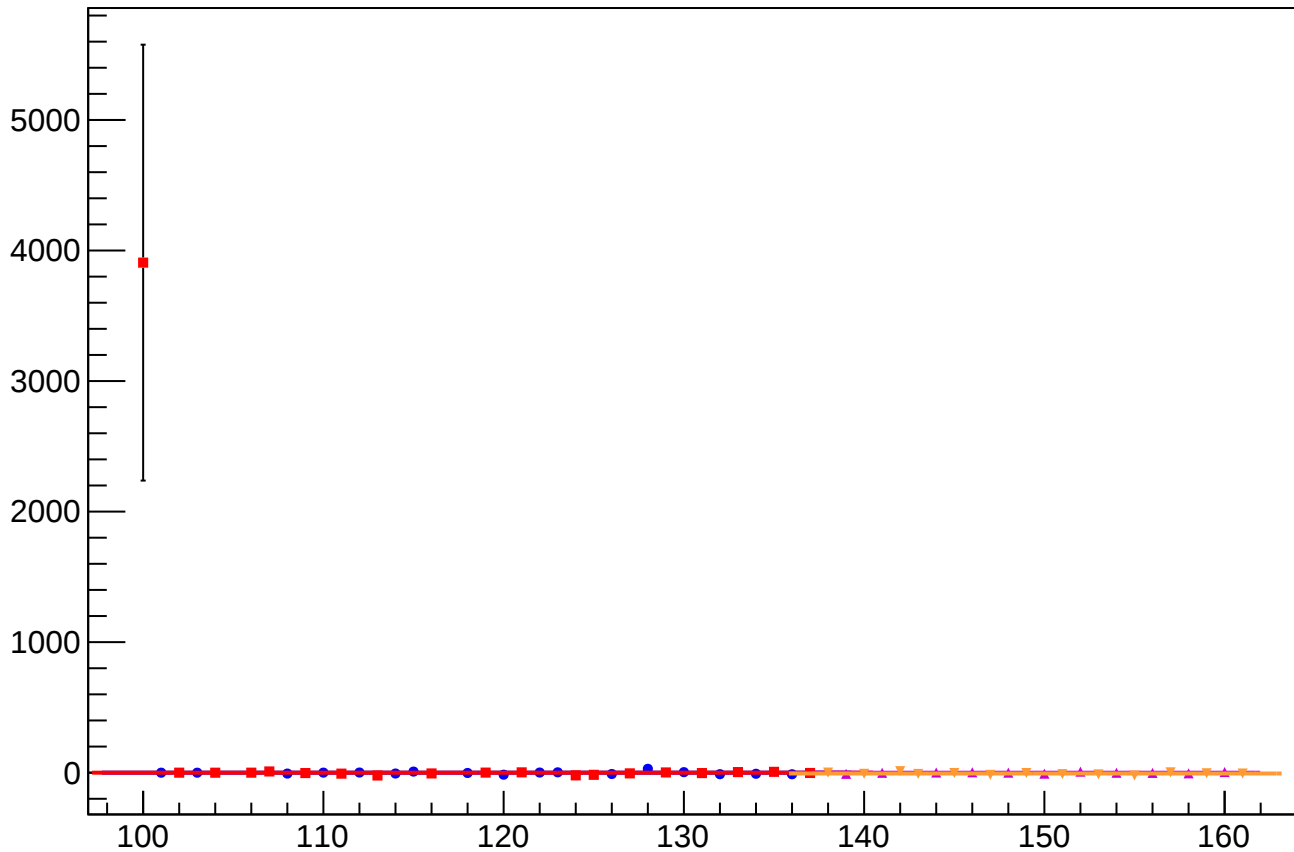
540.210 $\pm$ 0.100 χ^2 /NDF: 3584446.0/29

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

537.074 $\pm$ 0.102 χ^2 /NDF: 3998966.6/29

Left In: 510.503 $\pm$ 0.122 χ^2 /NDF: 289132.4/10

diff_cav4dX_mean vs Slug



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

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

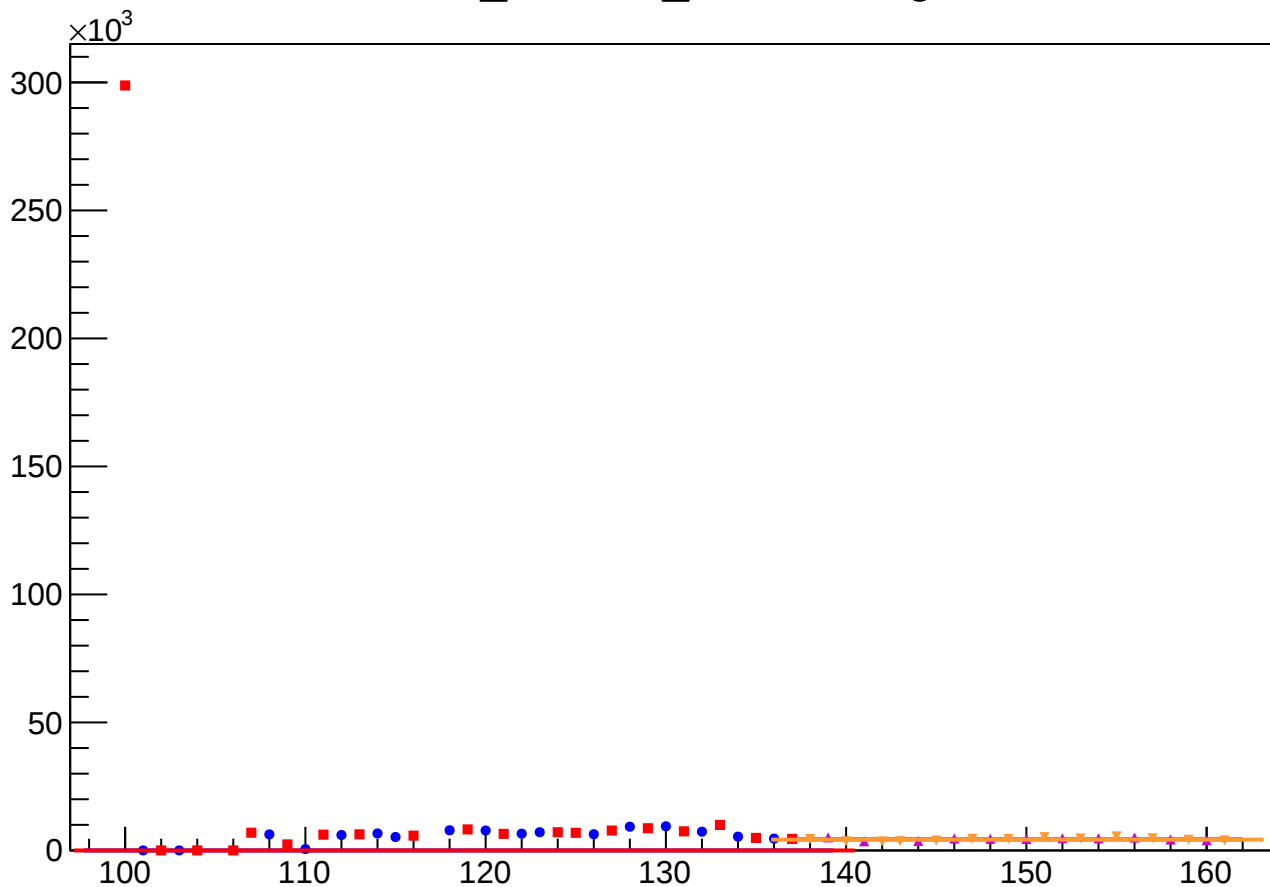
Right Out: -0.027+/-0.020 χ^2 /NDF: 17.9/18

Left In: -0.340+/-1.461 χ^2 /NDF: 9.5/10

-0.023+/-0.021 χ^2 /NDF: 66.4/29

-0.027+/-0.020 χ^2 /NDF: 27.5/29

diff_cav4dX_rms vs Slug



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

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

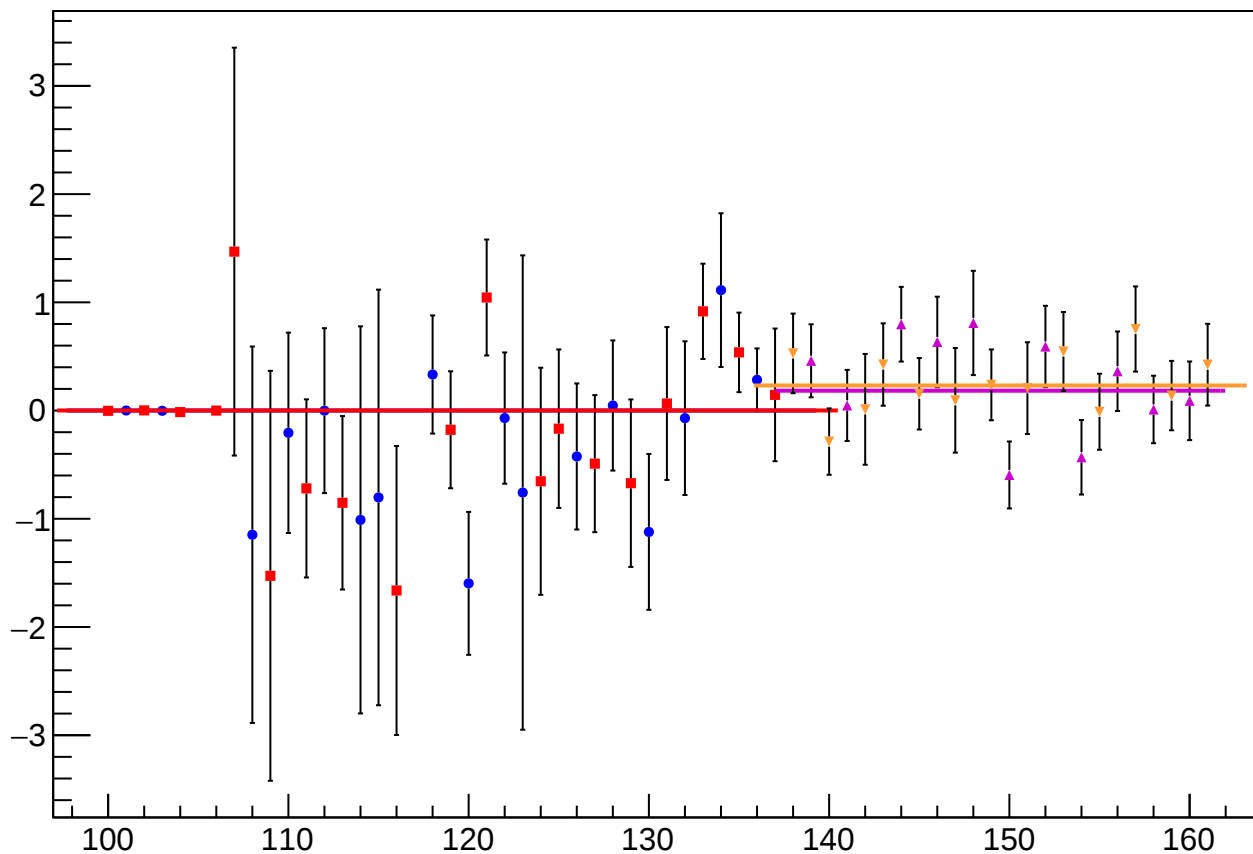
Right Out: 17.269 $\pm$ 0.014 χ^2 /NDF: 10820611.7/18

Left In: 4332.031 $\pm$ 1.033 χ^2 /NDF: 237386.9/10

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

18.060 $\pm$ 0.014 χ^2 /NDF: 28509295.5/29

diff_cav4dY_mean vs Slug



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

Left Out: 0.232 $\pm$ 0.102 χ^2 /NDF: 7.4/12

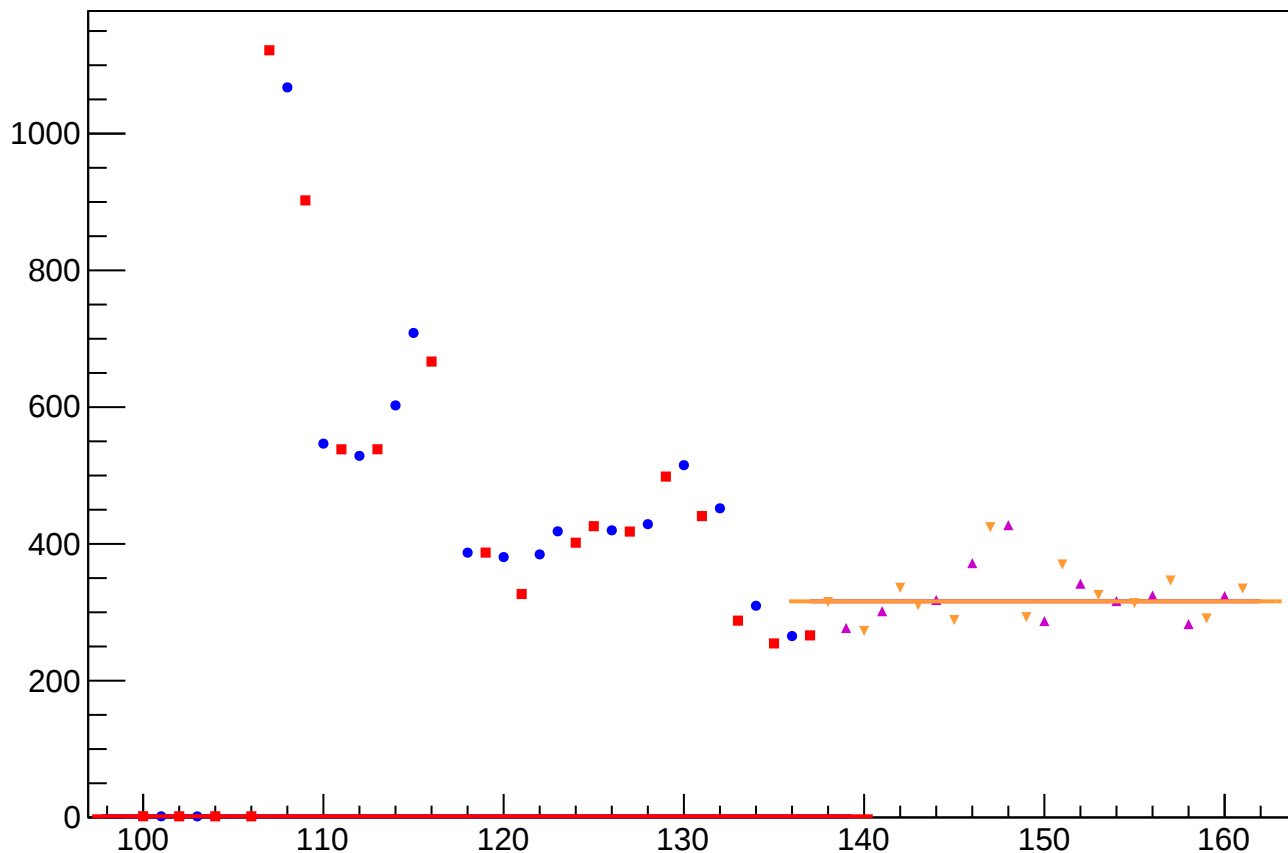
Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 17.9/18

Left In: 0.183 $\pm$ 0.107 χ^2 /NDF: 18.2/10

0.000 $\pm$ 0.002 χ^2 /NDF: 26.3/29

0.001 $\pm$ 0.002 χ^2 /NDF: 39.0/29

diff_cav4dY_rms vs Slug



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

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

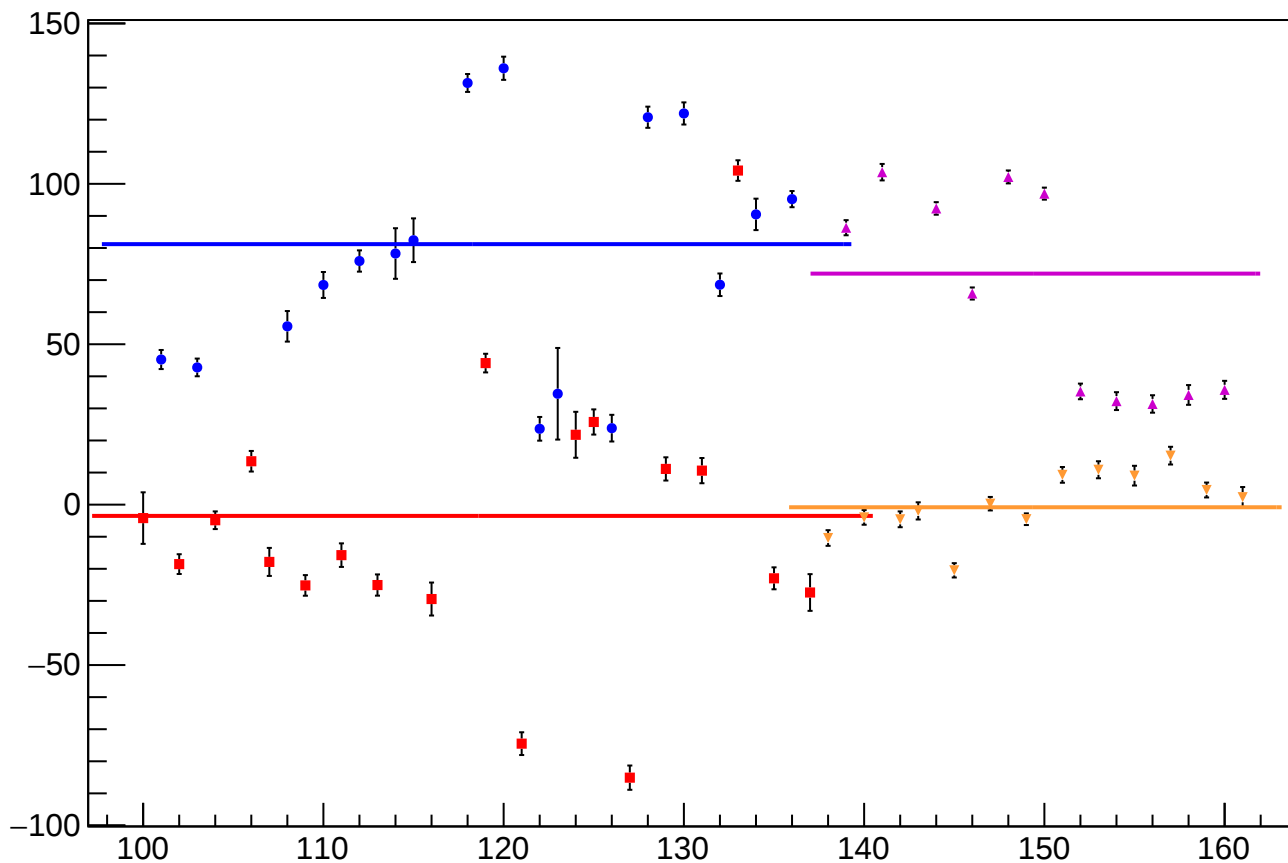
Right Out: 1.728+/-0.001 χ^2/NDF : 10743910.0/18

Left In: 316.074+/-0.075 χ^2/NDF : 224758.7/10

1.823+/-0.001 χ^2/NDF : 30227358.7/29

1.832+/-0.001 χ^2/NDF : 28298116.7/29

diff_bpm0i01X_mean vs Slug



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

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

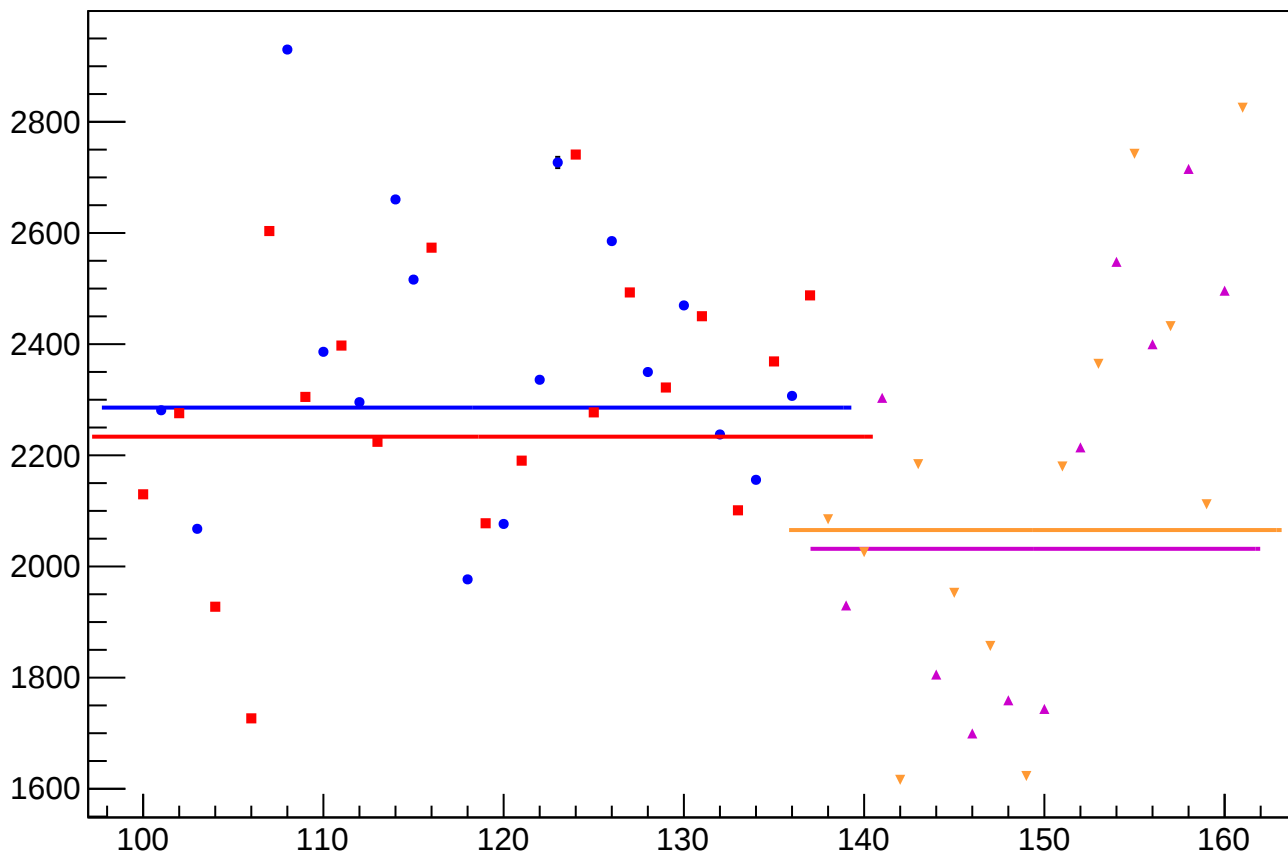
Right Out: -3.508 $\pm$ 0.843 χ^2 /NDF: 2599.0/18

Left In: 72.013 $\pm$ 0.696 χ^2 /NDF: 1676.3/10

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

41.395 $\pm$ 0.536 χ^2 /NDF: 9052.6/29

diff_bpm0i01X_rms vs Slug



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

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

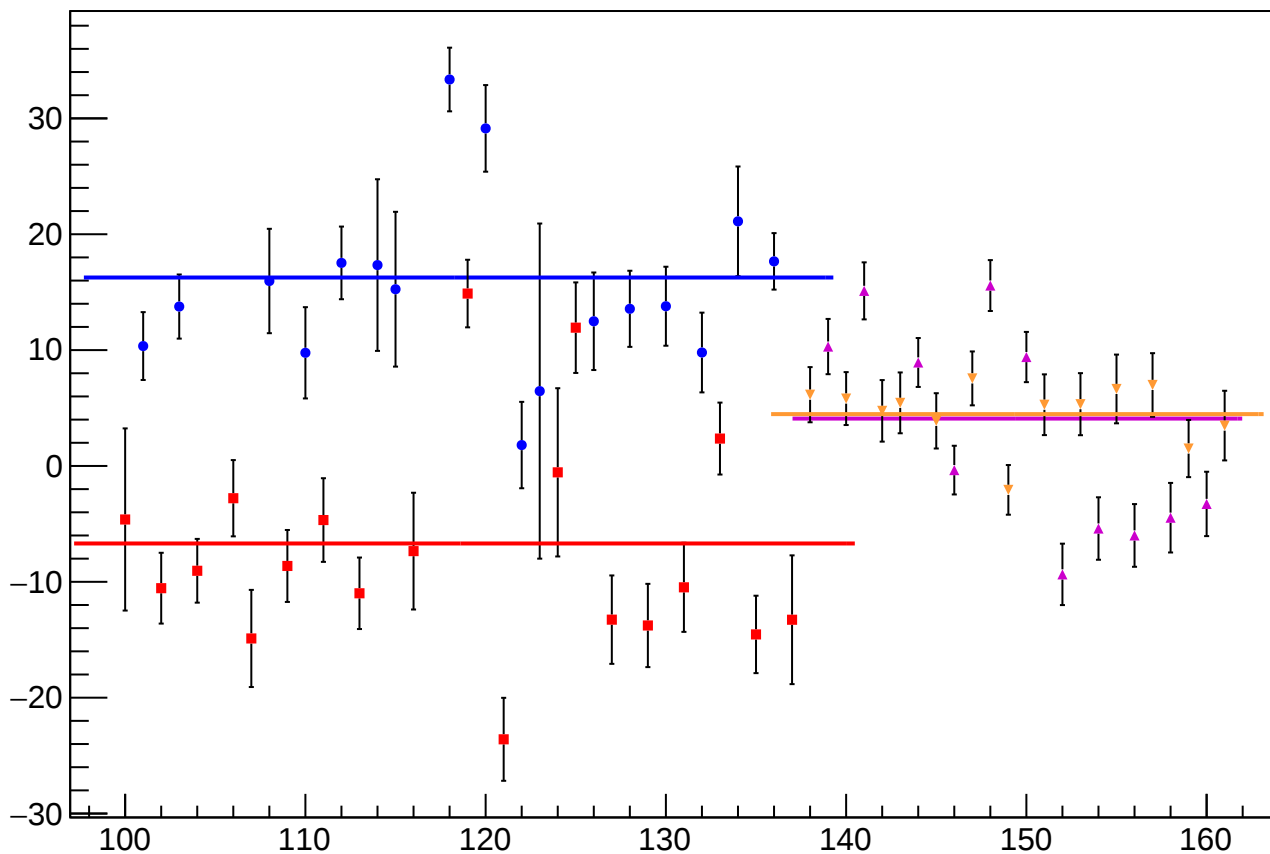
Right Out: 2233.547+/-0.596 χ^2/NDF : 146848.5/18

Left In: 2031.767+/-0.492 χ^2/NDF : 468150.7/10

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

2113.573+/-0.379 χ^2/NDF : 683207.6/29

diff_bpm0i01Y_mean vs Slug



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

Left Out: 4.475 $\pm$ 0.700 χ^2 /NDF:15.2/12

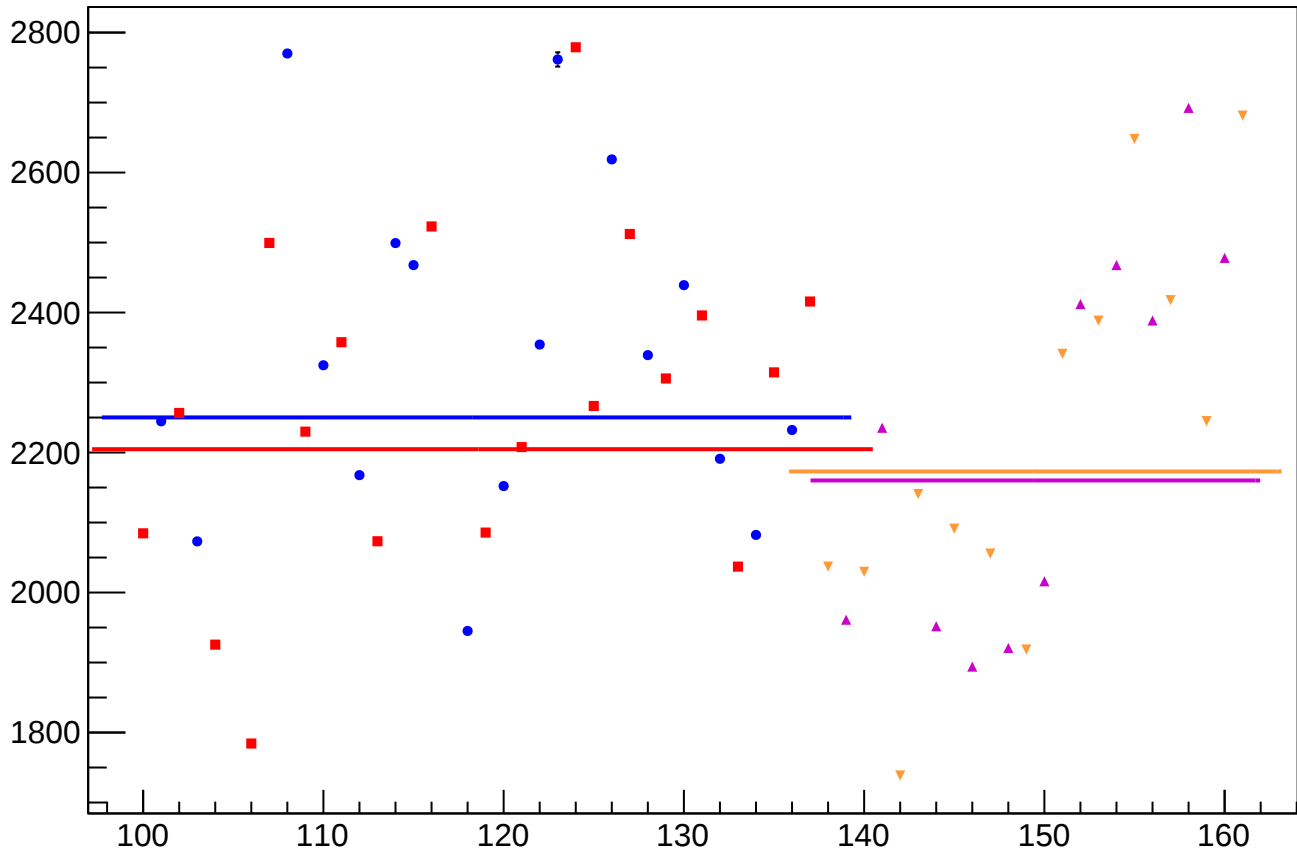
Right Out: -6.690 $\pm$ 0.831 χ^2 /NDF: 134.0/18

Left In: 4.089 $\pm$ 0.732 χ^2 /NDF:137.1/10

9.101 $\pm$ 0.546 χ^2 /NDF: 207.3/29

-0.619 $\pm$ 0.549 χ^2 /NDF: 365.8/29

diff_bpm0i01Y_rms vs Slug



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

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

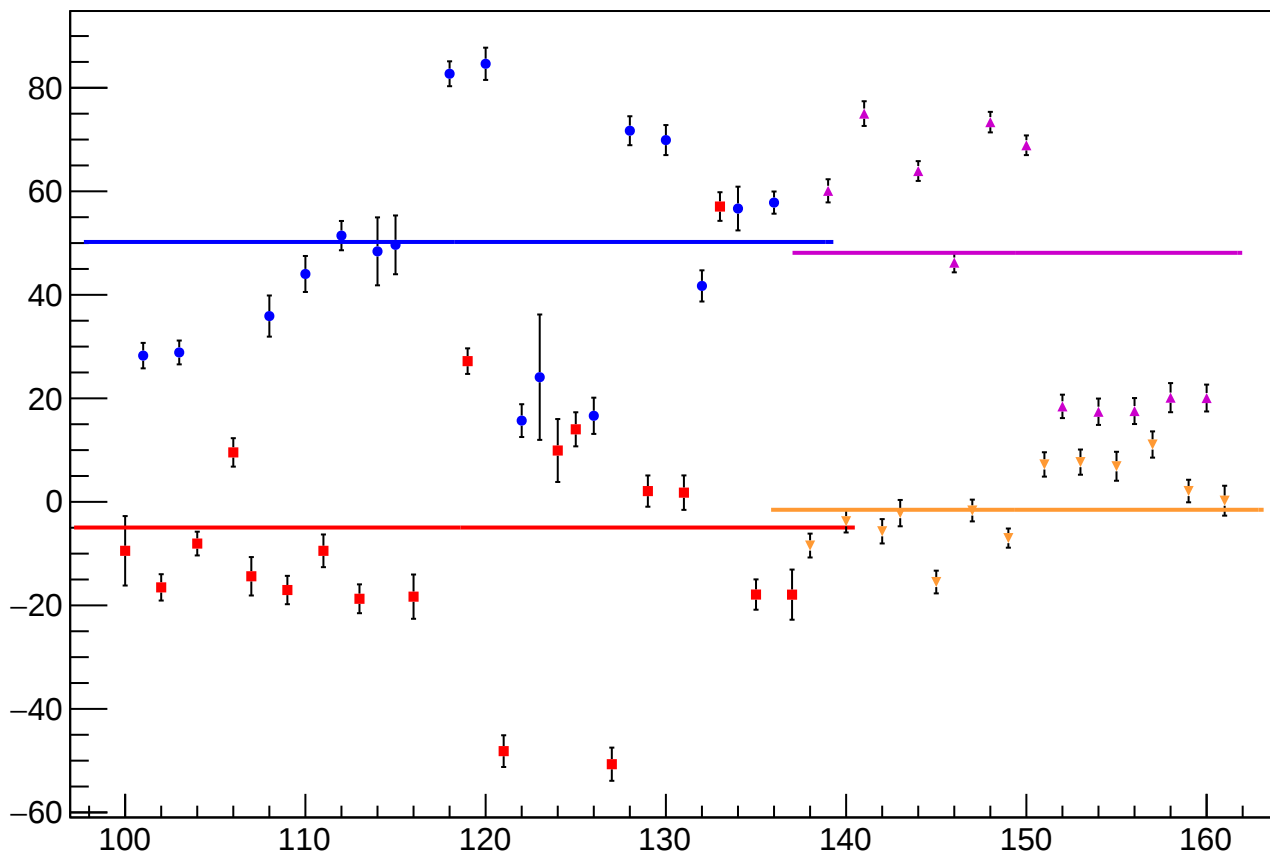
Right Out: 2204.789+/-0.587 χ^2/NDF : 126227.4/18

Left In: 2160.100+/-0.517 χ^2/NDF : 247269.5/10

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

2179.619+/-0.388 χ^2/NDF : 376756.6/29

diff_bpm0i01aX_mean vs Slug



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

Left Out: -1.529+/-0.642 χ^2/NDF : 127.4/12

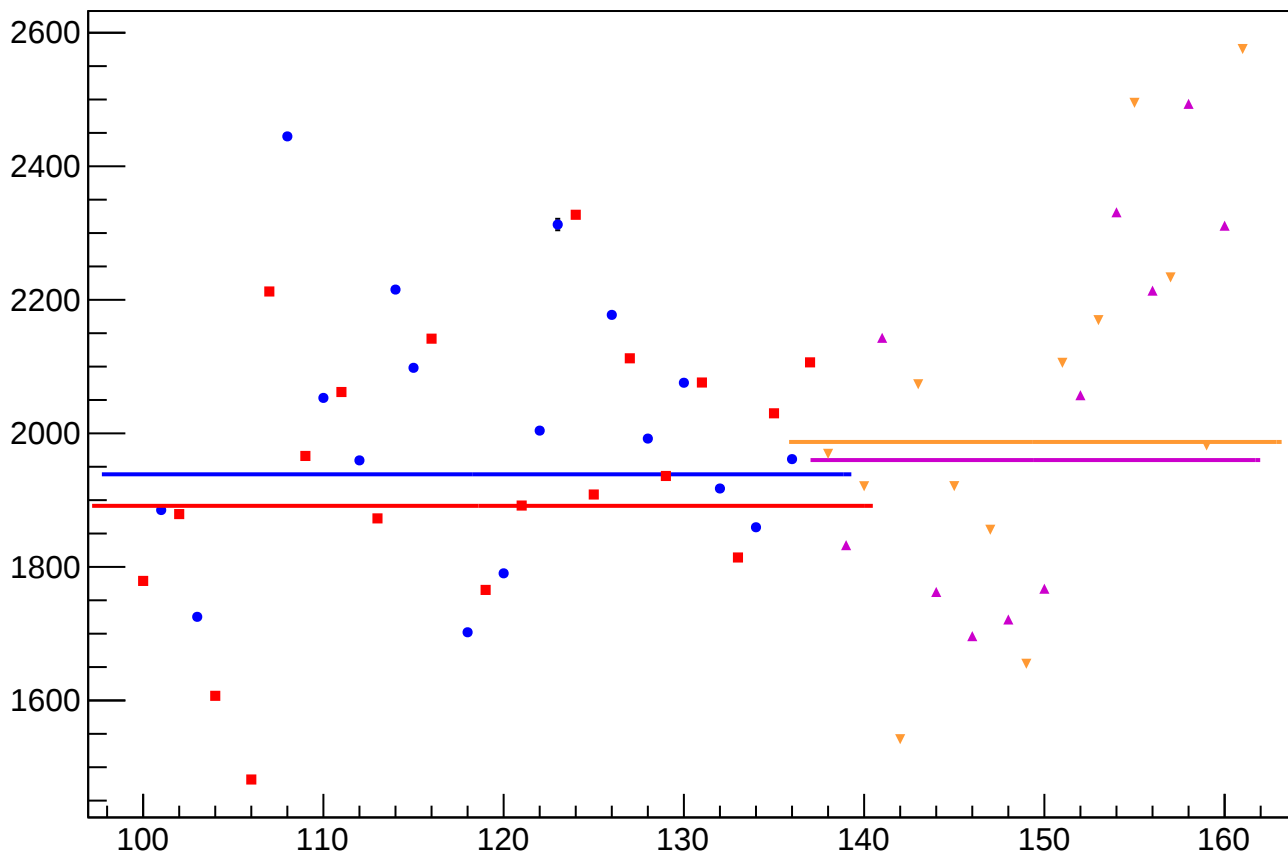
Right Out: -4.958+/-0.713 χ^2/NDF : 1262.6/18

Left In: 48.116+/-0.667 χ^2/NDF : 1187.5/10

20.339+/-0.488 χ^2/NDF : 3700.3/29

23.343+/-0.487 χ^2/NDF : 5401.5/29

diff_bpm0i01aX_rms vs Slug



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

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

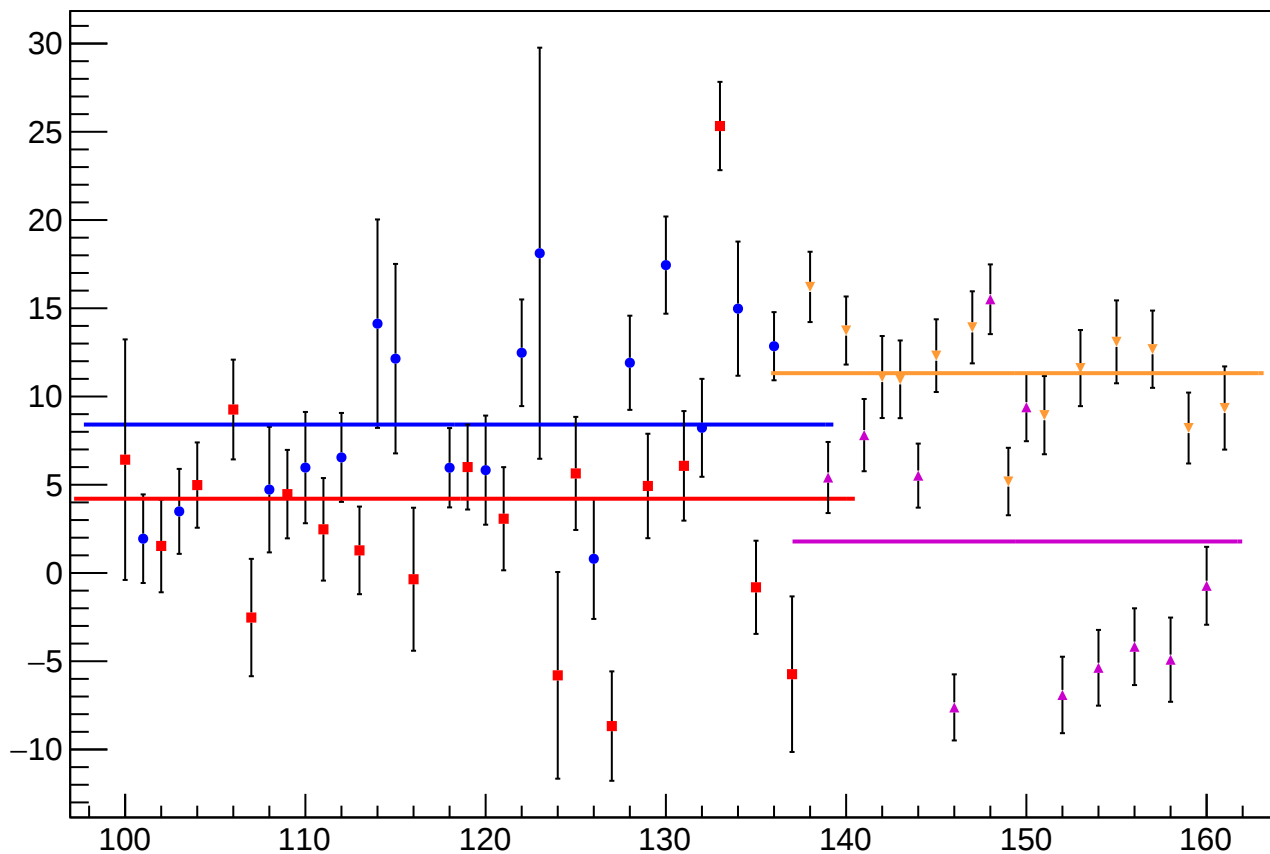
Right Out: 1891.466 $\pm$ 0.504 χ^2 /NDF: 146622.8/18

Left In: 1960.028 $\pm$ 0.472 χ^2 /NDF: 303408.3/10

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

1928.026 $\pm$ 0.345 χ^2 /NDF: 459881.1/29

diff_bpm0i01aY_mean vs Slug



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

Left Out: 11.323 ± 0.587 χ^2/NDF : 25.0/12

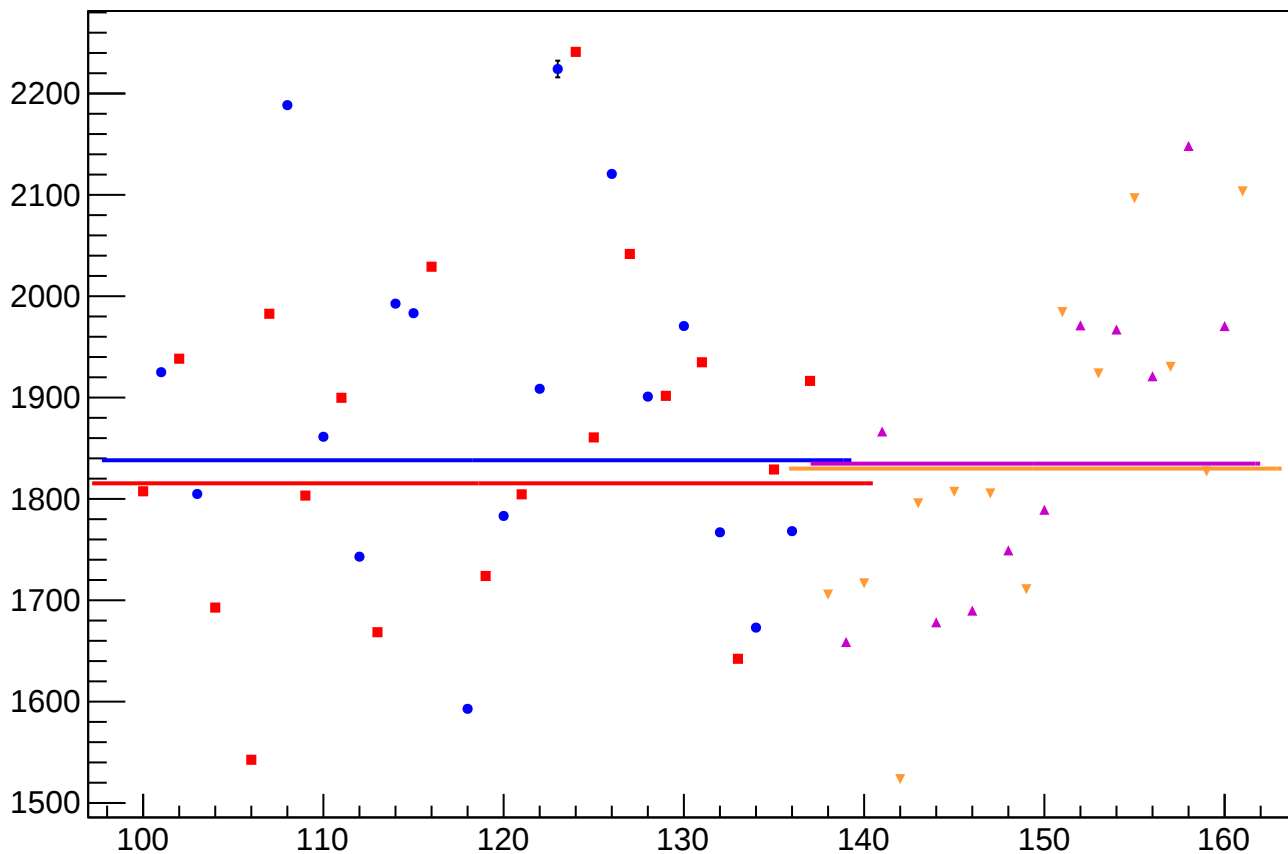
Right Out: 4.208 ± 0.682 χ^2/NDF : 113.1/18

Left In: 1.785 ± 0.618 χ^2/NDF : 149.1/10

10.142 ± 0.453 χ^2/NDF : 79.6/29

2.876 ± 0.458 χ^2/NDF : 269.1/29

diff_bpm0i01aY_rms vs Slug



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

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

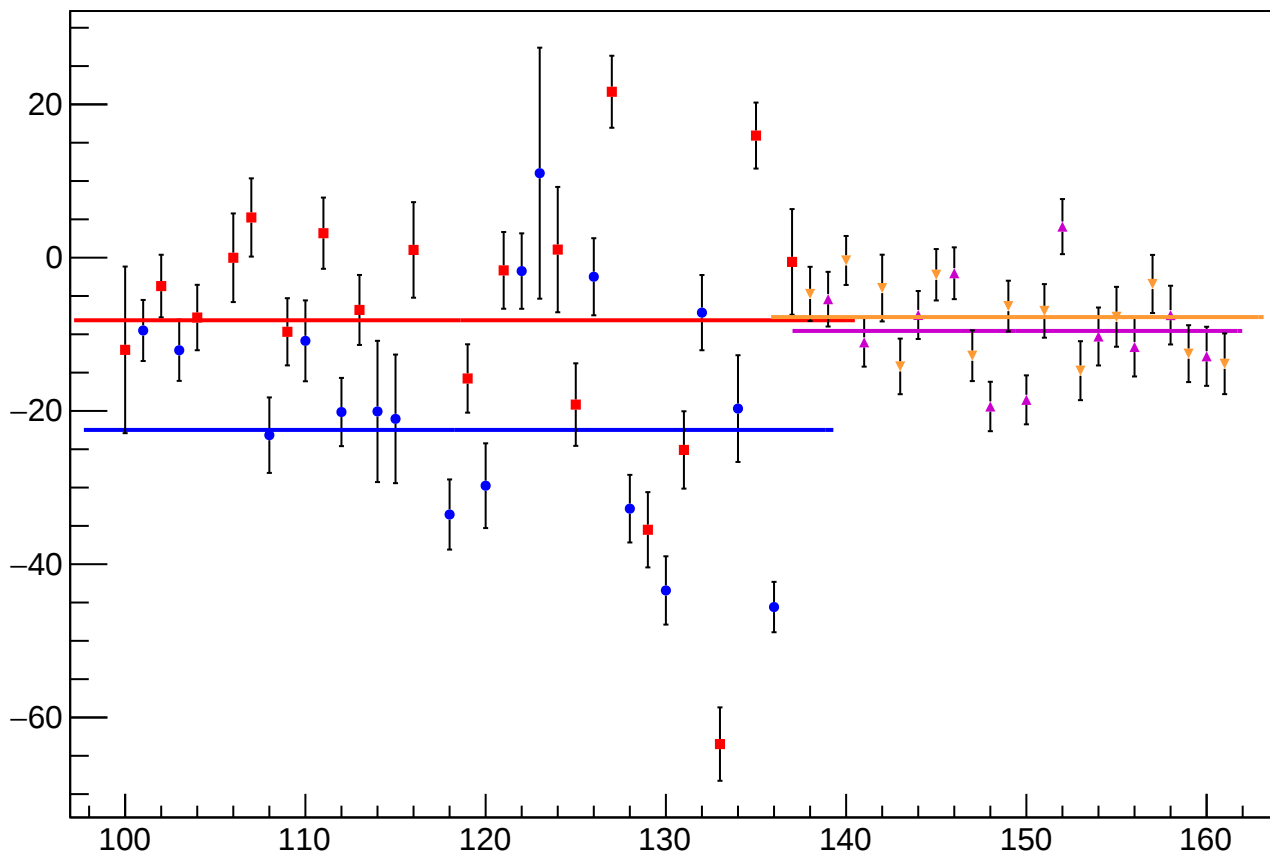
Right Out: 1815.403 $\pm$ 0.483 χ^2 /NDF: 87419.0/18

Left In: 1834.822 $\pm$ 0.437 χ^2 /NDF:108219.9/10

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

1826.079 $\pm$ 0.324 χ^2 /NDF: 196529.3/29

diff_bpm0l01X_mean vs Slug



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

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

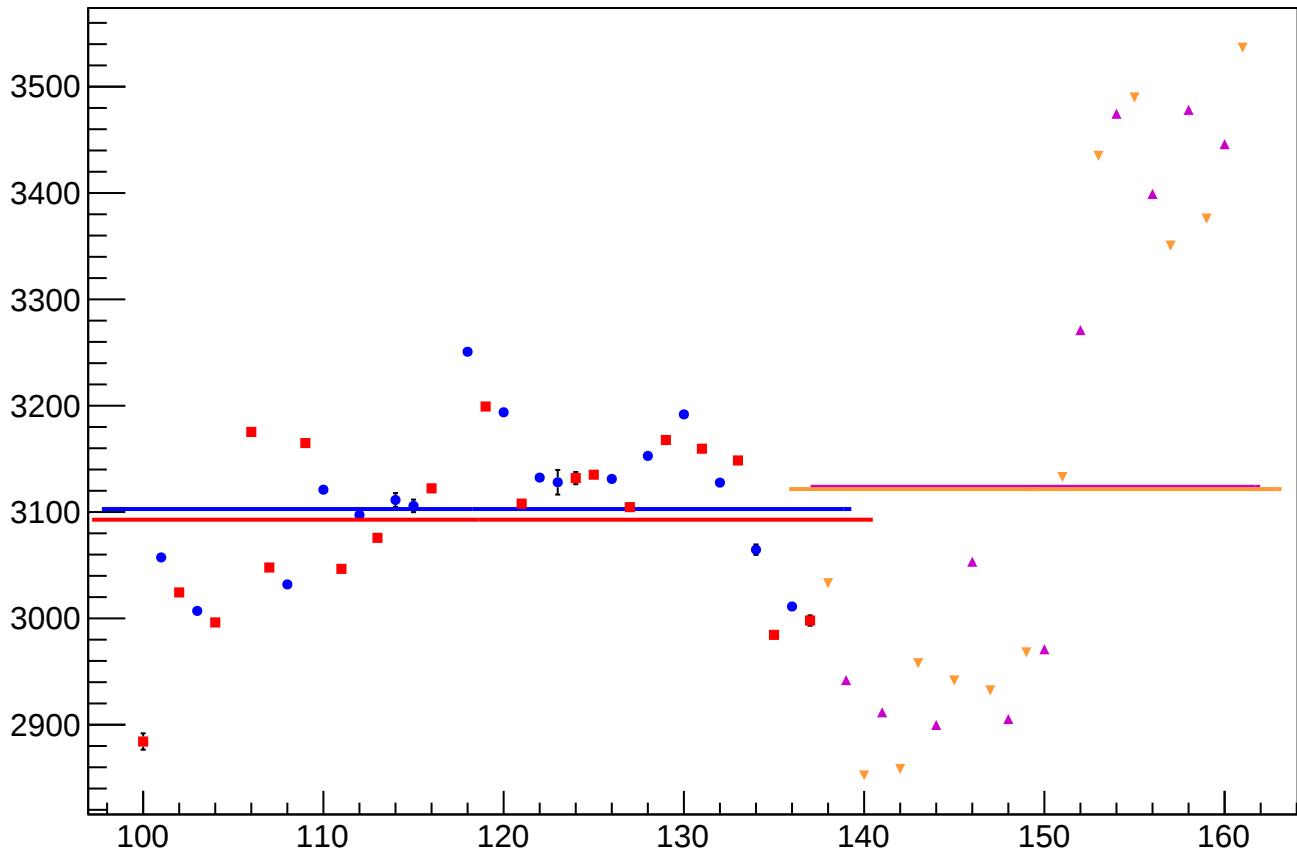
Right Out: -8.169 ± 1.157 χ^2/NDF : 276.9/18

Left In: -9.561 ± 1.047 χ^2/NDF : 39.9/10

-13.825 ± 0.767 χ^2/NDF : 267.8/29

-8.934 ± 0.776 χ^2/NDF : 317.7/29

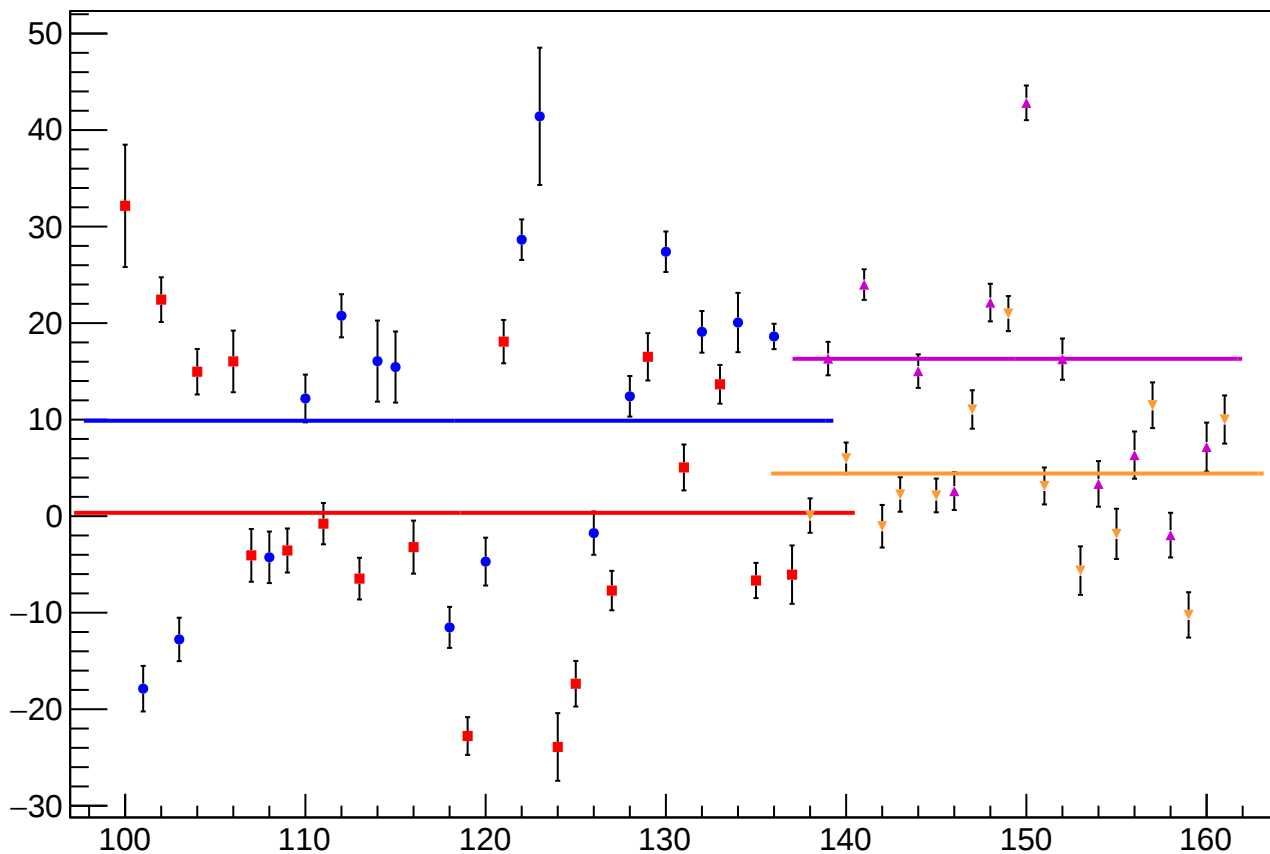
diff_bpm0l01X_rms vs Slug



Right In: 3102.846 ± 0.845 $\chi^2/\text{NDF}: 7344.9/16$
Left Out: 3121.614 ± 0.708 $\chi^2/\text{NDF}: 113109.2/12$
Right Out: 3092.795 ± 0.818 $\chi^2/\text{NDF}: 7763.4/18$
Left In: 3123.731 ± 0.740 $\chi^2/\text{NDF}: 100940.4/10$

3113.875 ± 0.542 $\chi^2/\text{NDF}: 120744.2/29$
 3109.798 ± 0.549 $\chi^2/\text{NDF}: 109490.3/29$

diff_bpm0l01Y_mean vs Slug



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

Left Out: 4.421 $\pm$ 0.560 χ^2 /NDF:185.6/12

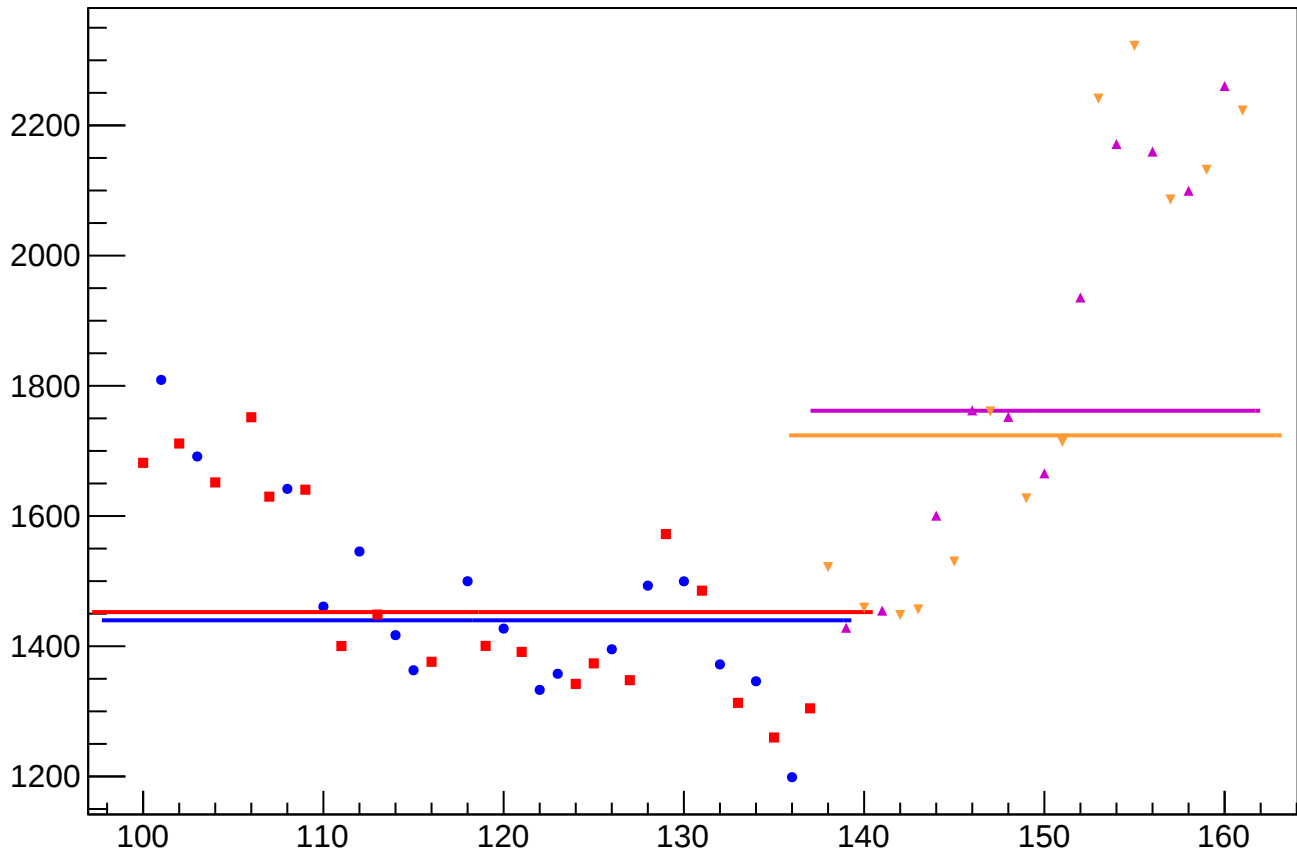
Right Out: 0.346 $\pm$ 0.547 χ^2 /NDF: 628.9/18

Left In: 16.304 $\pm$ 0.597 χ^2 /NDF:422.2/10

7.157 $\pm$ 0.396 χ^2 /NDF: 936.9/29

7.626 $\pm$ 0.403 χ^2 /NDF: 1439.5/29

diff_bpm0l01Y_rms vs Slug



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

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

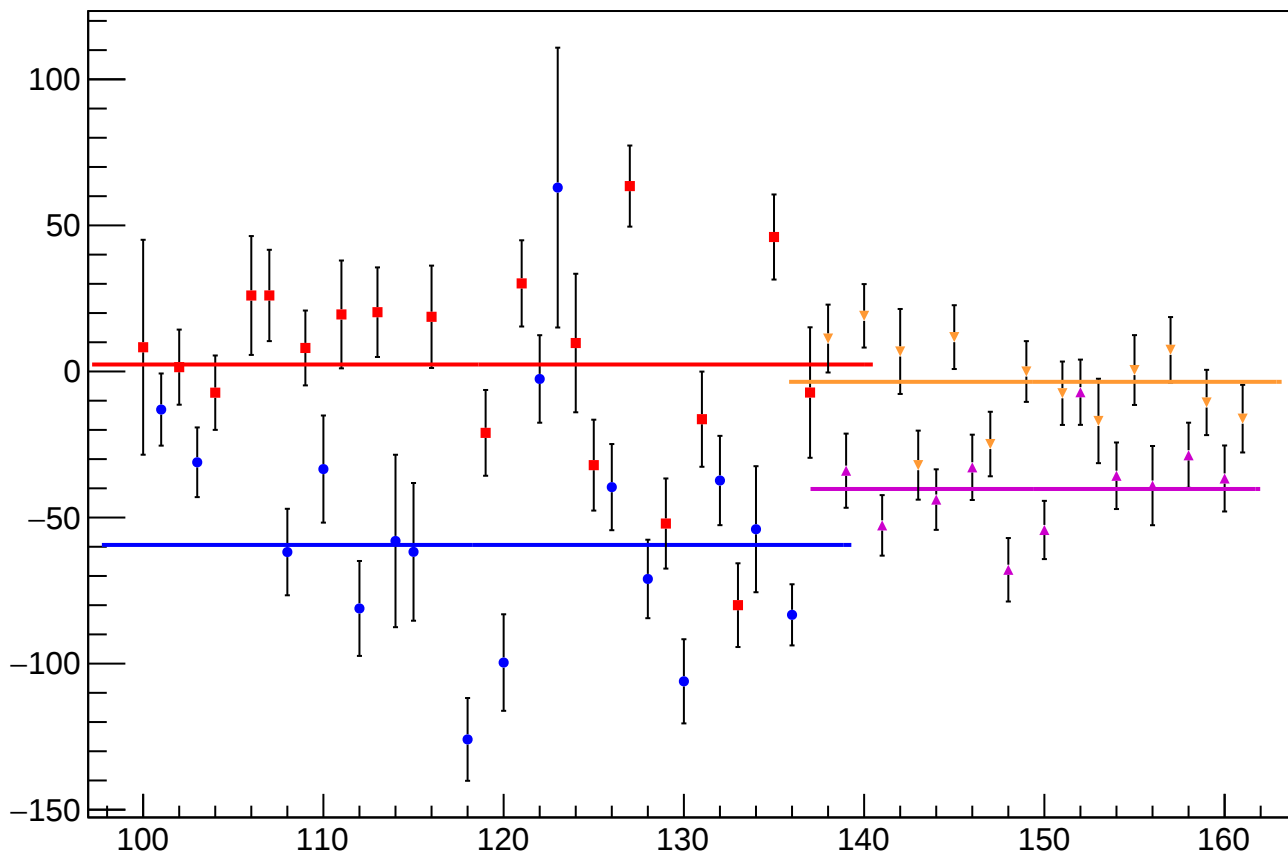
Right Out: 1452.452 $\pm$ 0.387 χ^2 /NDF: 138519.7/18

Left In: 1761.706 $\pm$ 0.422 χ^2 /NDF: 418435.4/10

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

1593.528 $\pm$ 0.285 χ^2 /NDF: 848707.3/29

diff_bpm0l02X_mean vs Slug



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

Left Out: -3.543 ± 3.205 $\chi^2/\text{NDF}: 21.7/12$

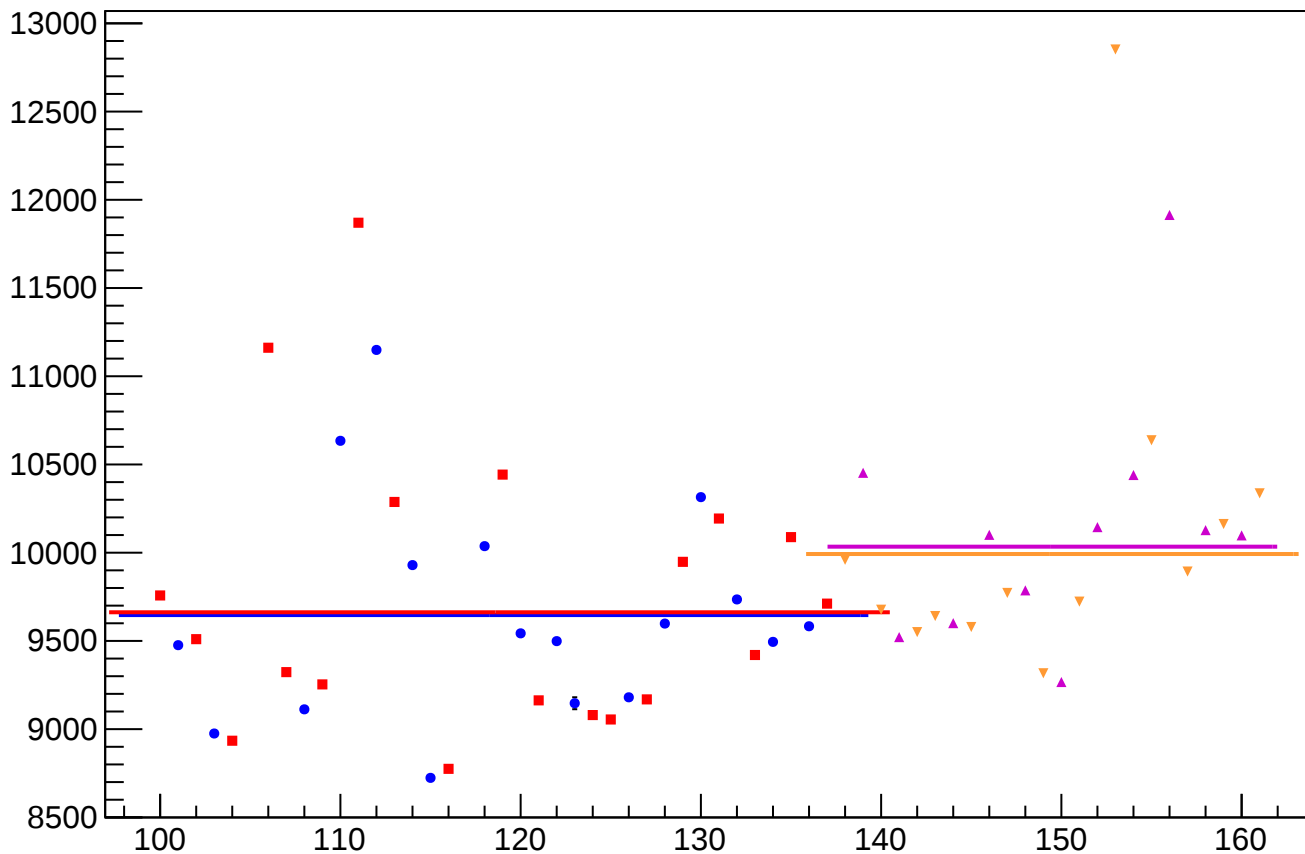
Right Out: 2.388 ± 3.630 $\chi^2/\text{NDF}: 93.9/18$

Left In: -40.221 ± 3.363 $\chi^2/\text{NDF}: 20.8/10$

-27.267 ± 2.431 $\chi^2/\text{NDF}: 243.6/29$

-20.539 ± 2.467 $\chi^2/\text{NDF}: 188.9/29$

diff_bpm0l02X_rms vs Slug



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

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

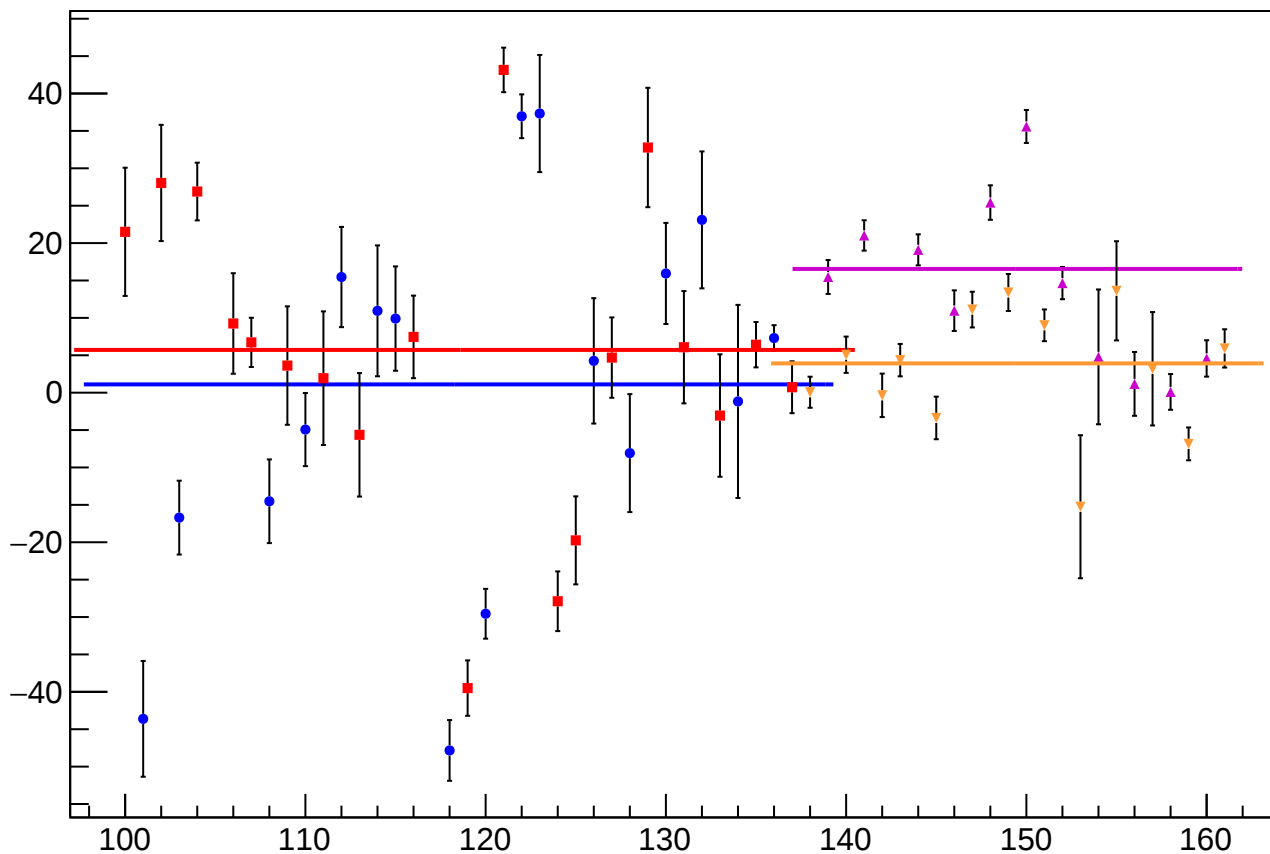
Right Out: 9662.363+/-2.567 χ^2/NDF : 77584.0/18

Left In: 10034.181+/-2.378 χ^2/NDF : 64917.7/10

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

9862.432+/-1.744 χ^2/NDF : 153794.6/29

diff_bpm0l02Y_mean vs Slug



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

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

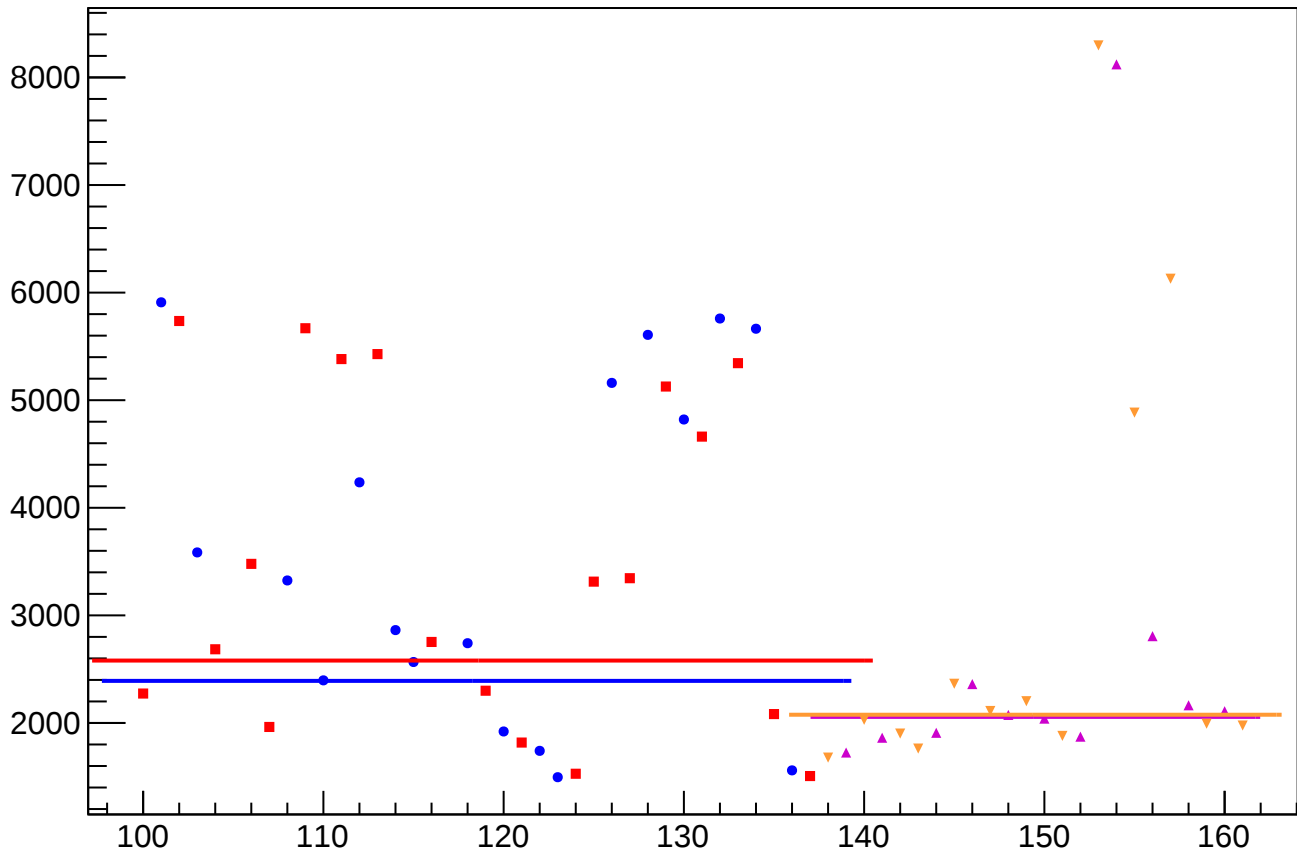
Right Out: 5.716 ± 1.091 $\chi^2/\text{NDF}: 456.0/18$

Left In: 16.547 ± 0.740 $\chi^2/\text{NDF}: 187.4/10$

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

13.134 ± 0.613 $\chi^2/\text{NDF}: 710.9/29$

diff_bpm0l02Y_rms vs Slug



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

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

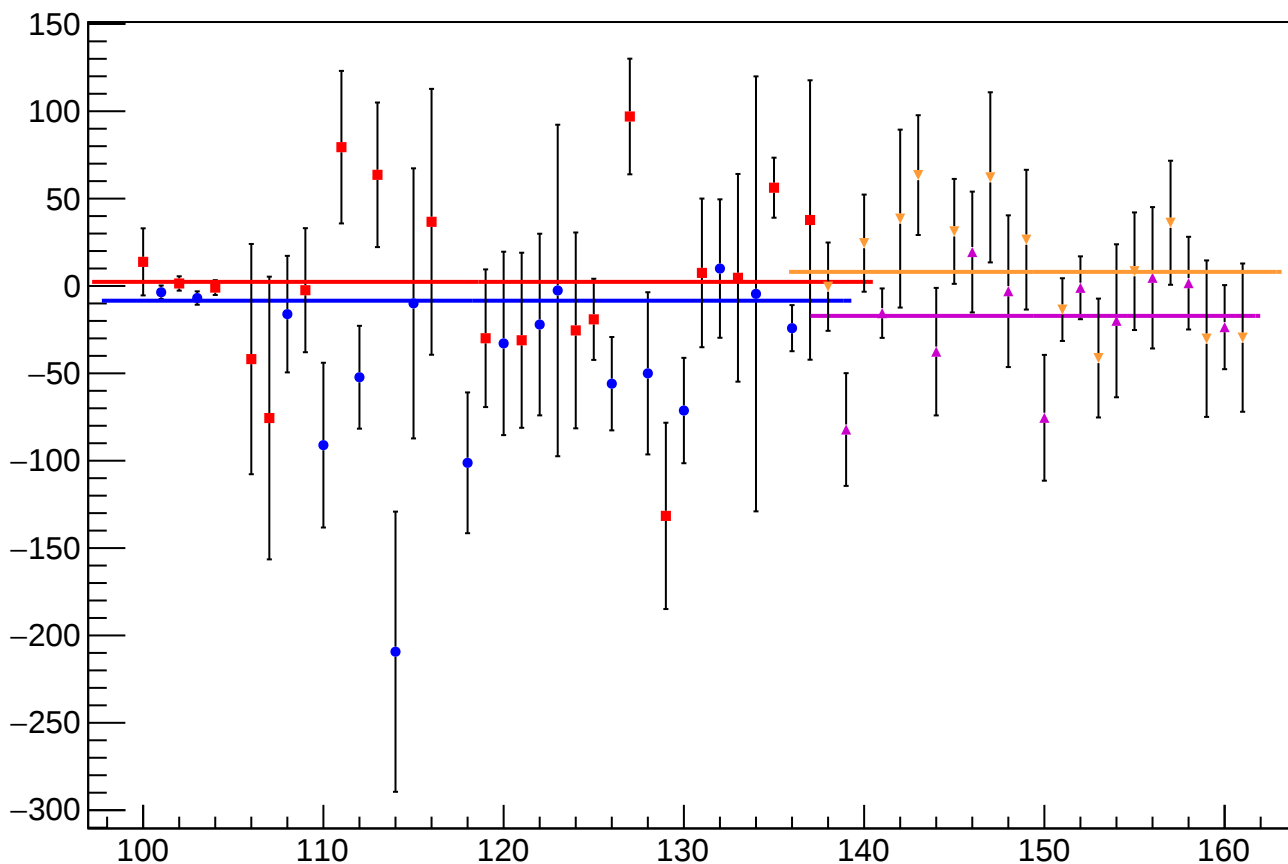
2178.680+/-0.430 χ^2/NDF : 4667673.7/29

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

2221.481+/-0.433 χ^2/NDF : 3763957.9/29

Left In: 2056.474+/-0.523 χ^2/NDF :1083316.1/10

diff_bpm0l03X_mean vs Slug



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

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

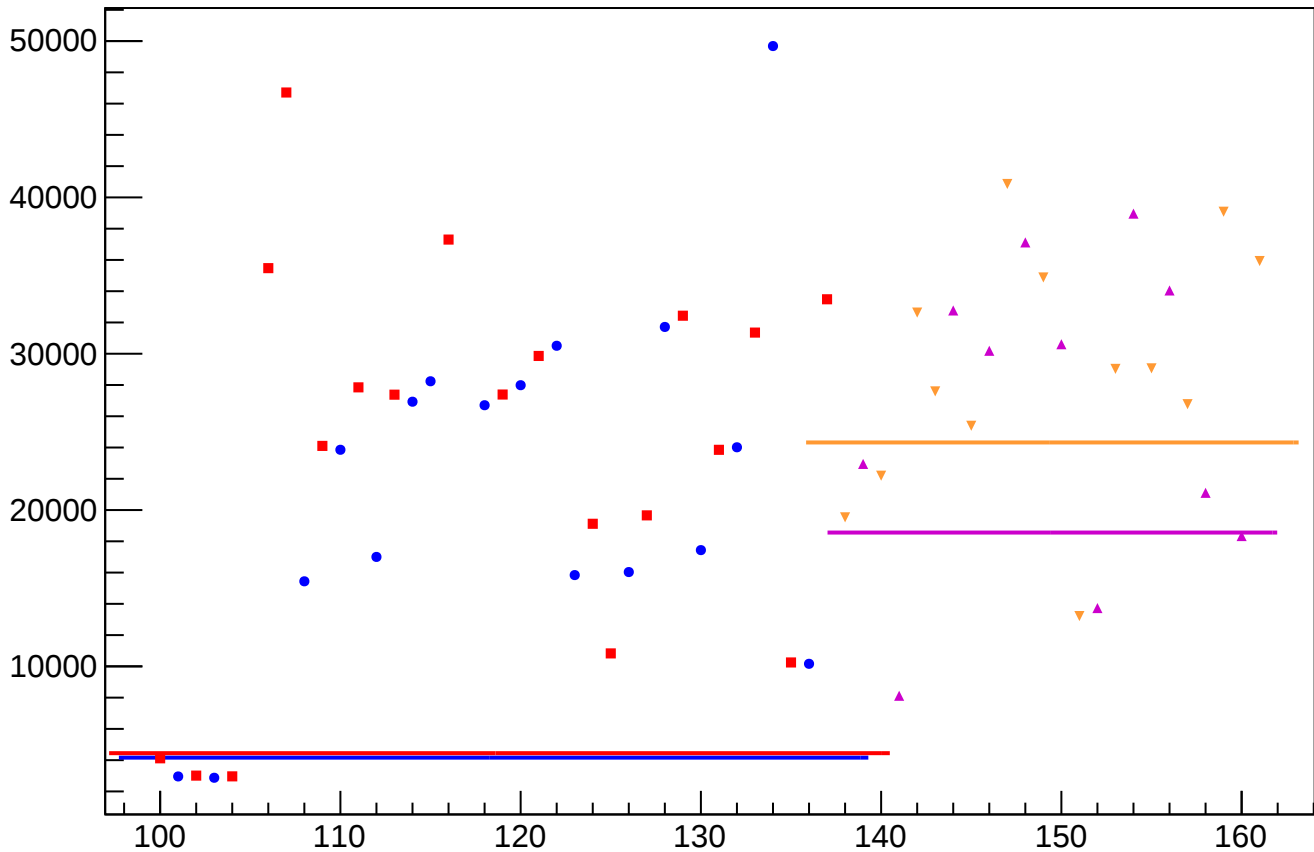
Right Out: 2.348 ± 2.787 χ^2/NDF : 34.7/18

Left In: -17.113 ± 7.852 χ^2/NDF : 9.9/10

-7.114 ± 2.482 χ^2/NDF : 43.3/29

0.171 ± 2.626 χ^2/NDF : 50.0/29

diff_bpm0l03X_rms vs Slug



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

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

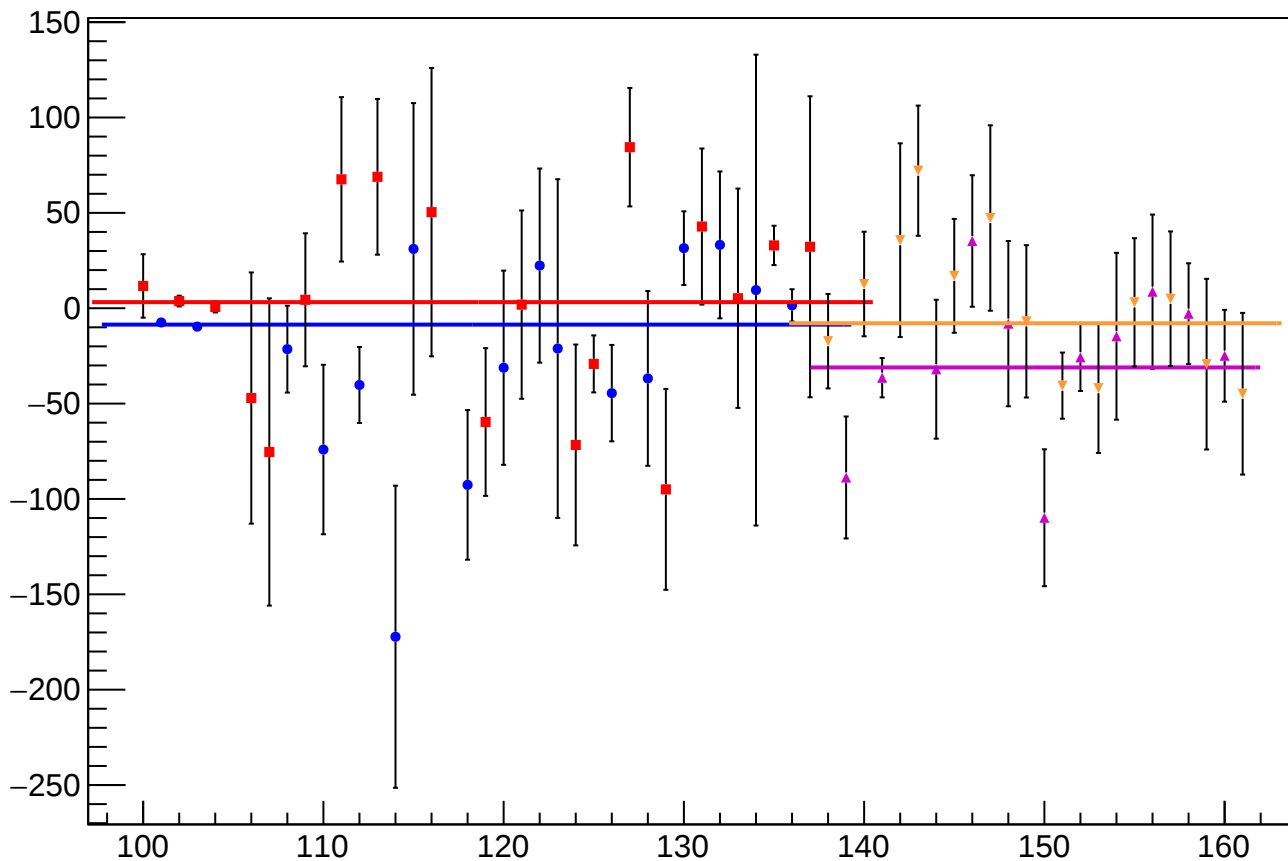
Right Out: 4447.123+/-1.971 χ^2/NDF : 7426930.4/18

Left In: 18560.459+/-5.552 χ^2/NDF : 3135618.4/10

5771.448+/-1.755 χ^2/NDF : 17430523.8/29

6026.190+/-1.857 χ^2/NDF : 16301586.7/29

diff_bpm0l03Y_mean vs Slug



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

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

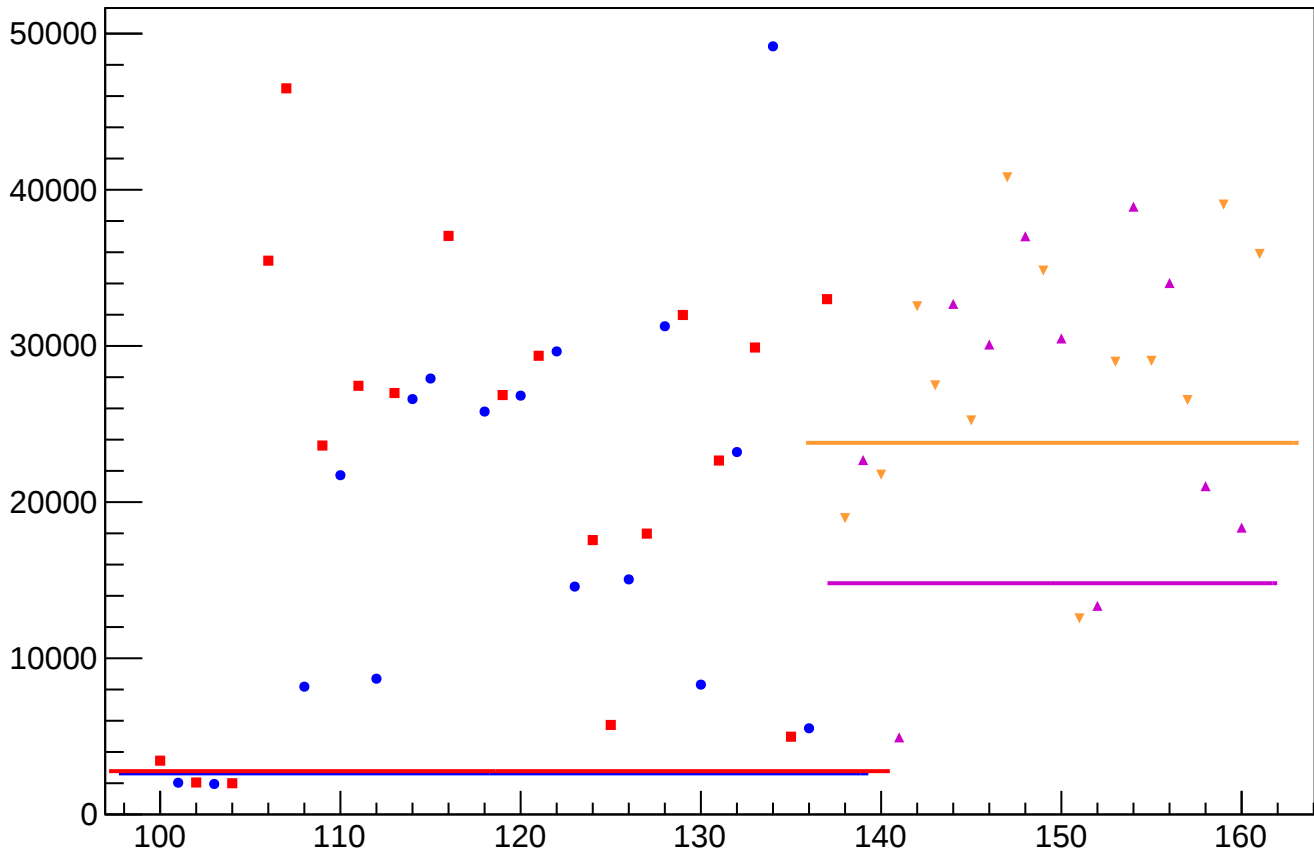
Right Out: 3.194 ± 1.922 χ^2/NDF : 36.9/18

Left In: -31.051 ± 6.936 χ^2/NDF : 14.7/10

-8.558 ± 1.741 χ^2/NDF : 39.1/29

0.751 ± 1.852 χ^2/NDF : 74.2/29

diff_bpm0l03Y_rms vs Slug



Right In: 2630.547 $\pm$ 1.257 χ^2 /NDF: 5588981.6/16

Left Out: 23796.106 $\pm$ 6.128 χ^2 /NDF: 1914597.0/12

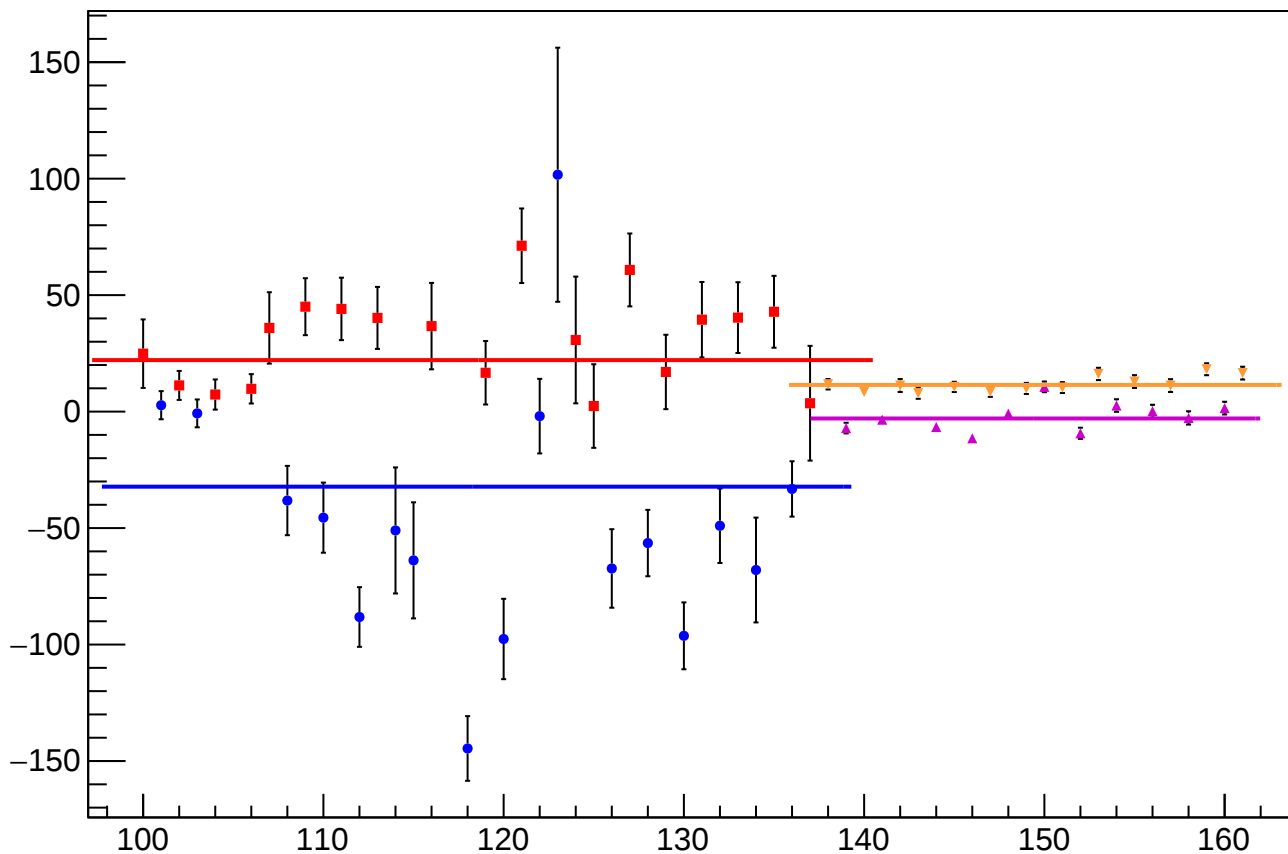
Right Out: 2773.446 $\pm$ 1.359 χ^2 /NDF: 7835878.7/18

Left In: 14806.842 $\pm$ 4.905 χ^2 /NDF: 4965067.2/10

3485.144 $\pm$ 1.231 χ^2 /NDF: 18950226.3/29

3631.738 $\pm$ 1.310 χ^2 /NDF: 18391301.5/29

diff_bpm0l04X_mean vs Slug



Right In: -32.222 $\pm$ 2.981 χ^2 /NDF: 203.7/16

Left Out: 11.452 $\pm$ 0.678 χ^2 /NDF: 20.4/12

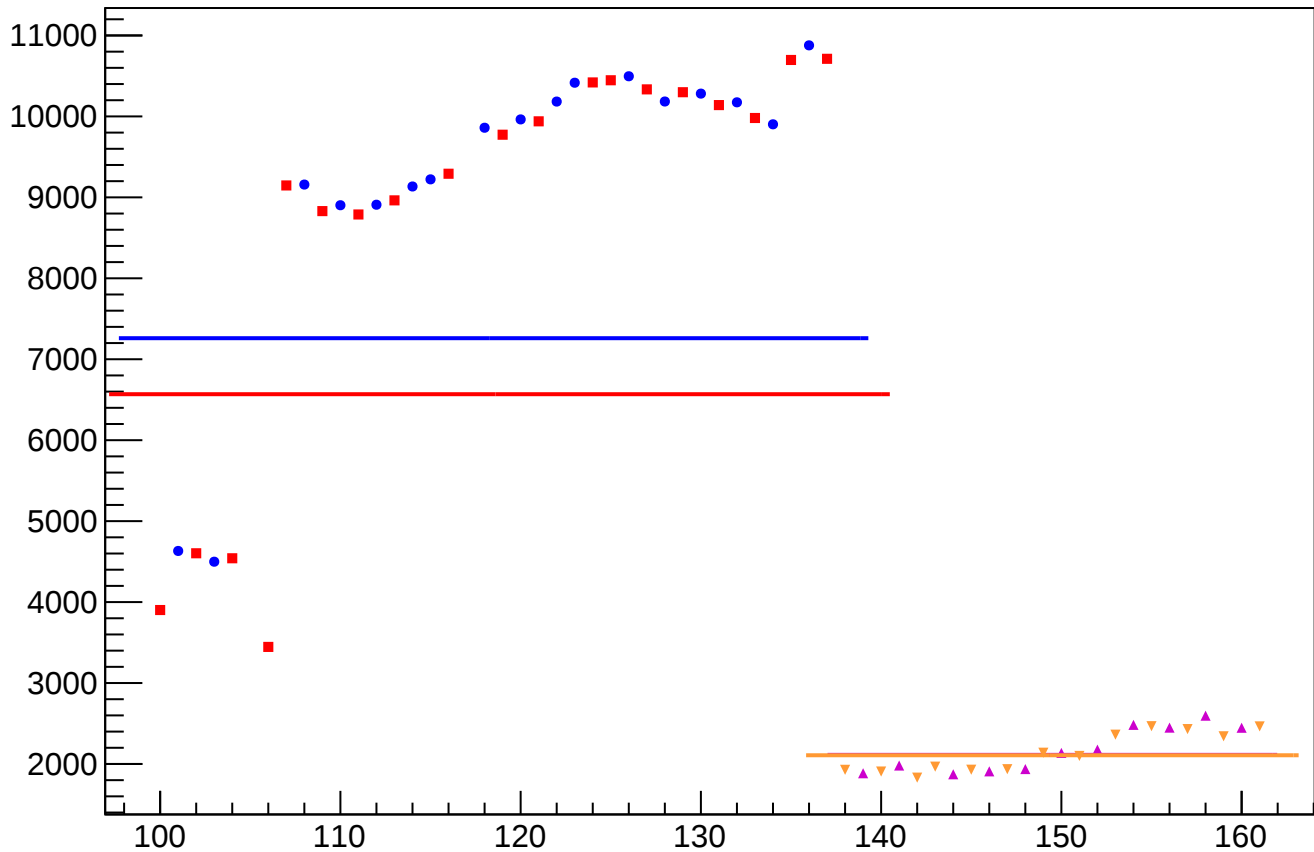
Right Out: 22.111 $\pm$ 2.669 χ^2 /NDF: 43.7/18

Left In: -2.950 $\pm$ 0.711 χ^2 /NDF: 73.8/10

9.306 $\pm$ 0.661 χ^2 /NDF: 428.1/29

-1.288 $\pm$ 0.687 χ^2 /NDF: 199.8/29

diff_bpm0l04X_rms vs Slug



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

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

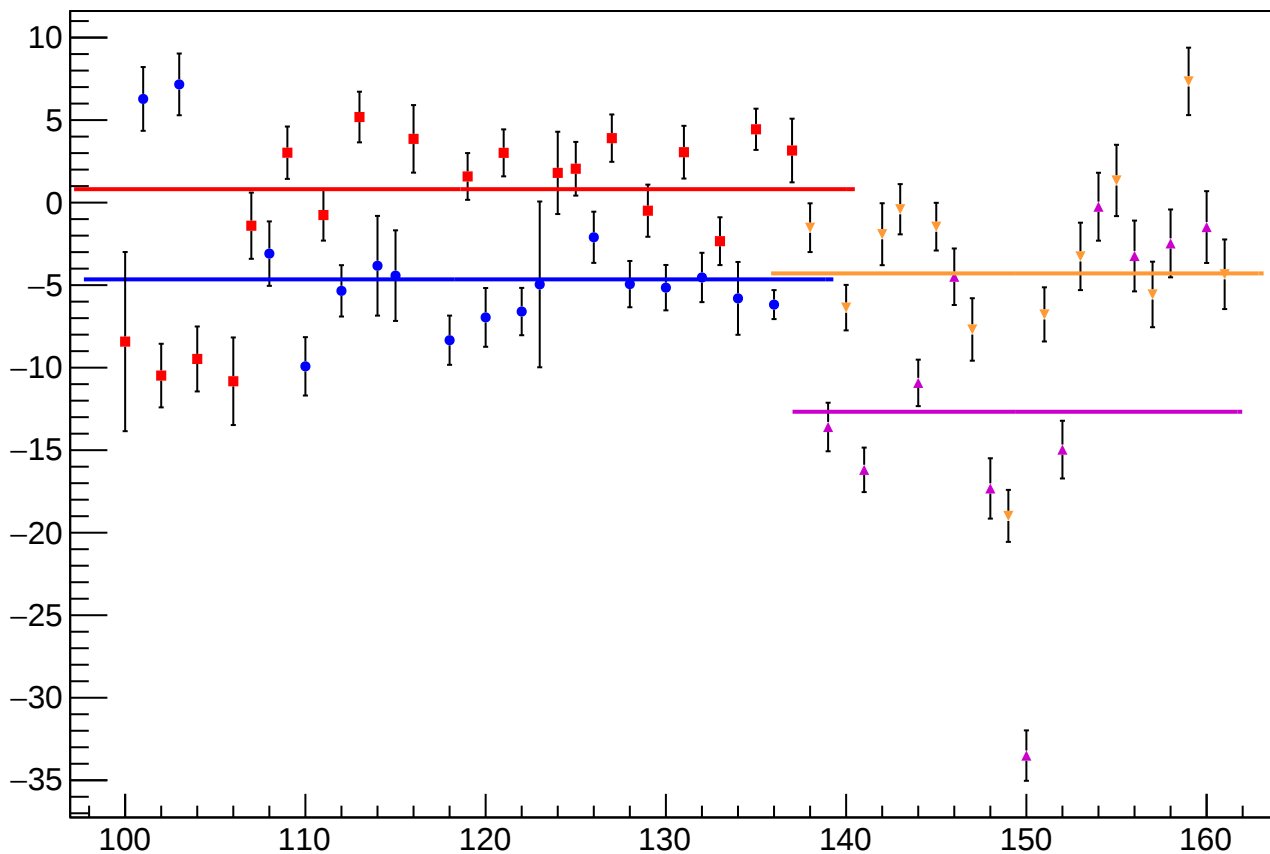
Right Out: 6568.180 $\pm$ 1.887 χ^2 /NDF: 2196546.0/18

Left In: 2112.585 $\pm$ 0.503 χ^2 /NDF: 242960.4/10

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

2408.066 $\pm$ 0.486 χ^2 /NDF: 7642392.0/29

diff_bpm0l04Y_mean vs Slug



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

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

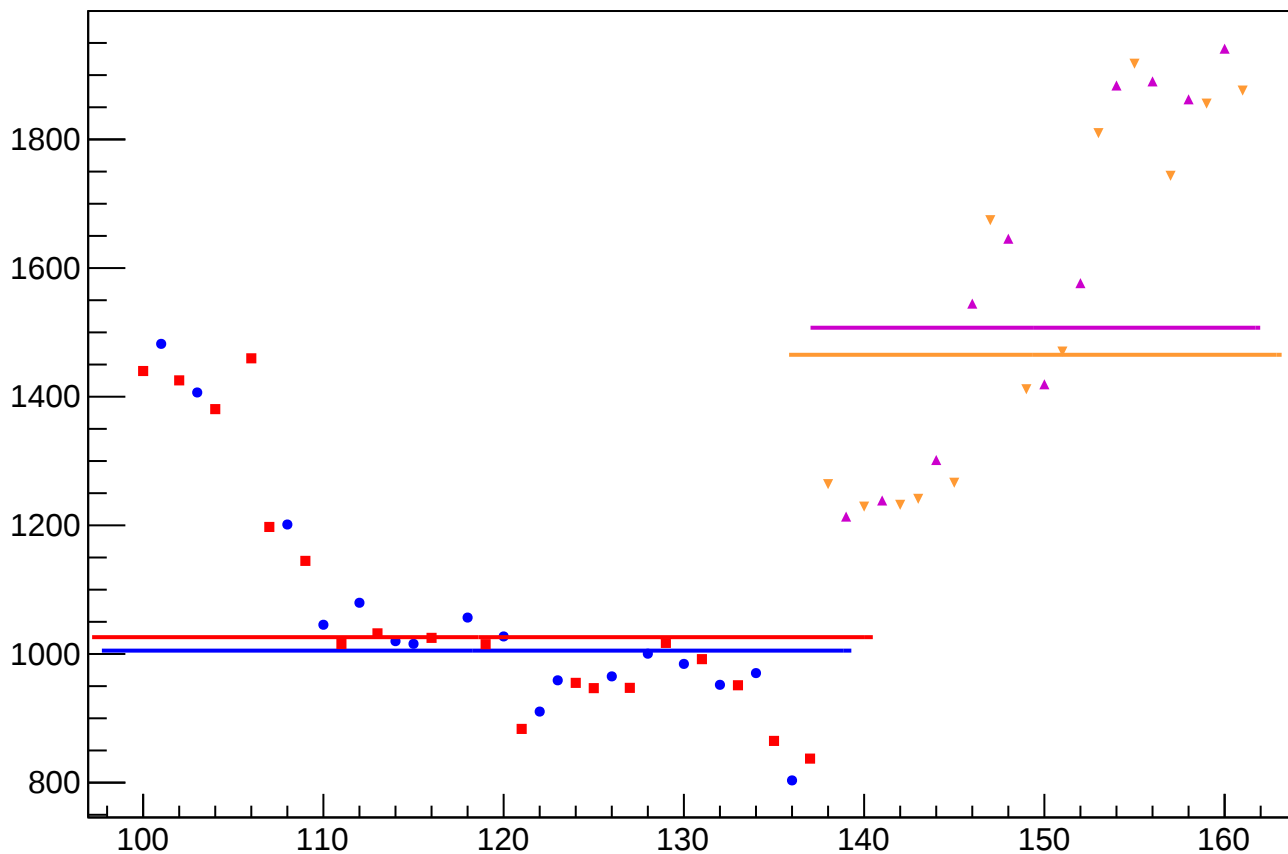
Right Out: 0.814 ± 0.388 χ^2/NDF : 123.7/18

Left In: -12.672 ± 0.512 χ^2/NDF : 332.8/10

-4.504 ± 0.303 χ^2/NDF : 248.0/29

-4.113 ± 0.309 χ^2/NDF : 896.8/29

diff_bpm0l04Y_rms vs Slug



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

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

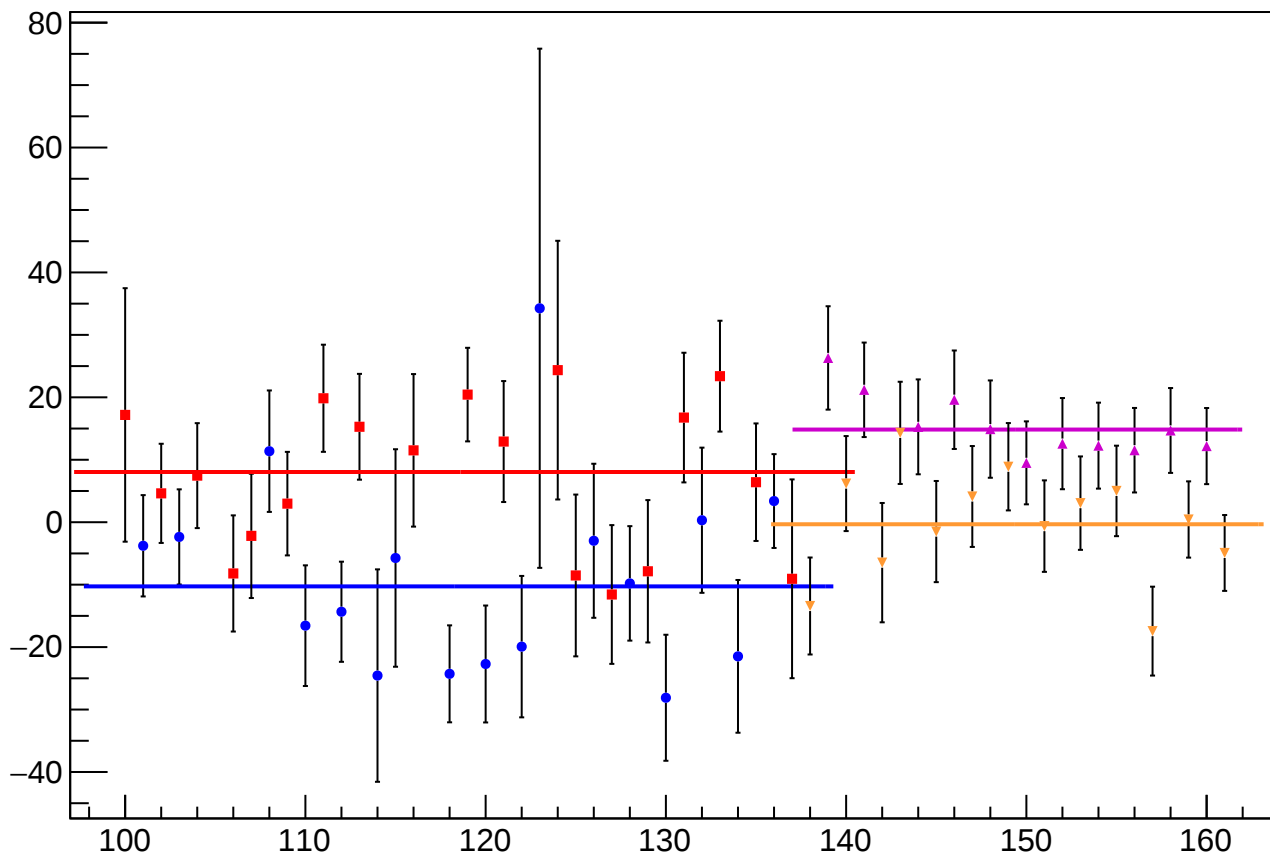
Right Out: 1026.158+/-0.275 χ^2/NDF : 333119.0/18

Left In: 1507.247+/-0.362 χ^2/NDF : 493914.3/10

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

1201.936+/-0.219 χ^2/NDF : 1947598.8/29

diff_bpm0l05X_mean vs Slug



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

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

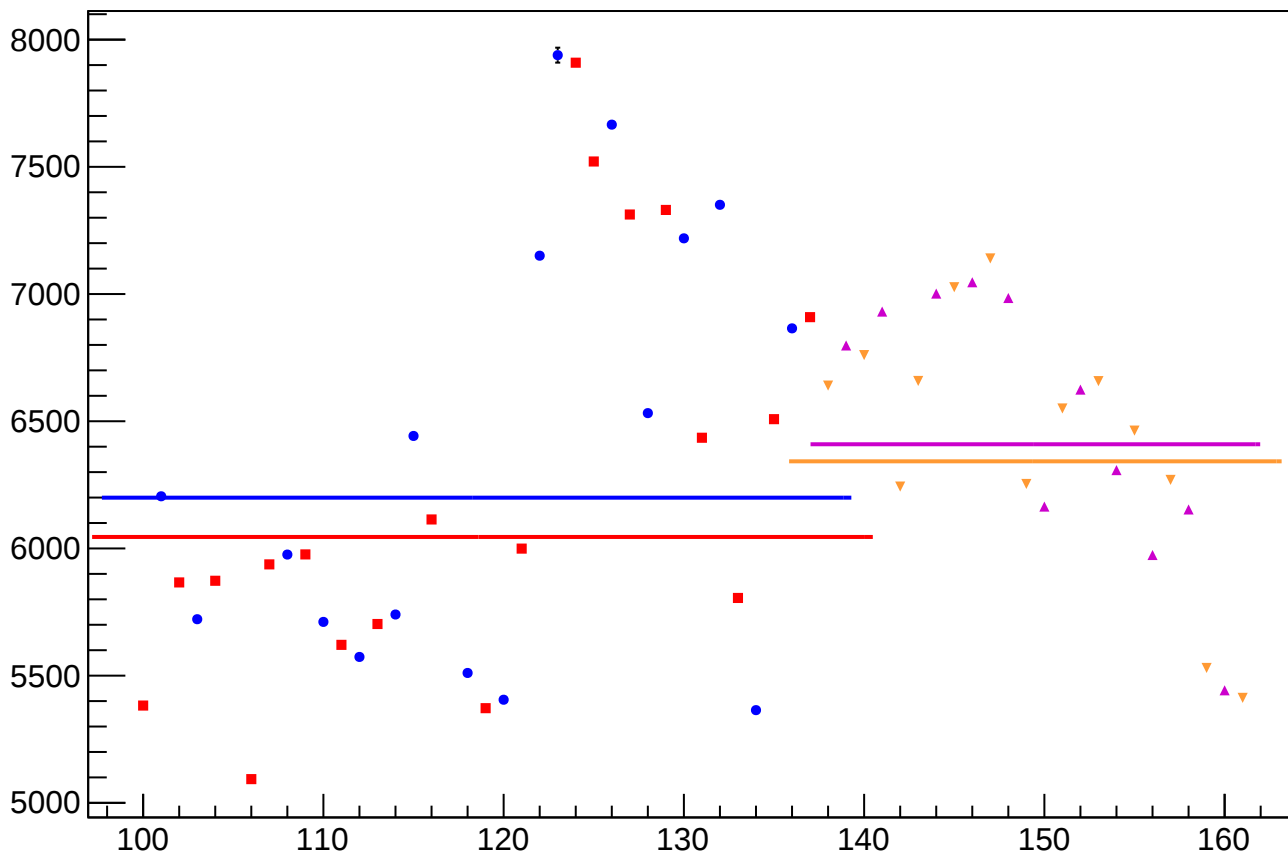
Right Out: 8.041 ± 2.278 χ^2/NDF : 22.8/18

Left In: 14.838 ± 2.157 χ^2/NDF : 4.3/10

-4.488 ± 1.557 χ^2/NDF : 49.8/29

11.625 ± 1.567 χ^2/NDF : 31.8/29

diff_bpm0l05X_rms vs Slug



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

Left Out: 6342.460 $\pm$ 1.443 χ^2 /NDF:134413.2/12

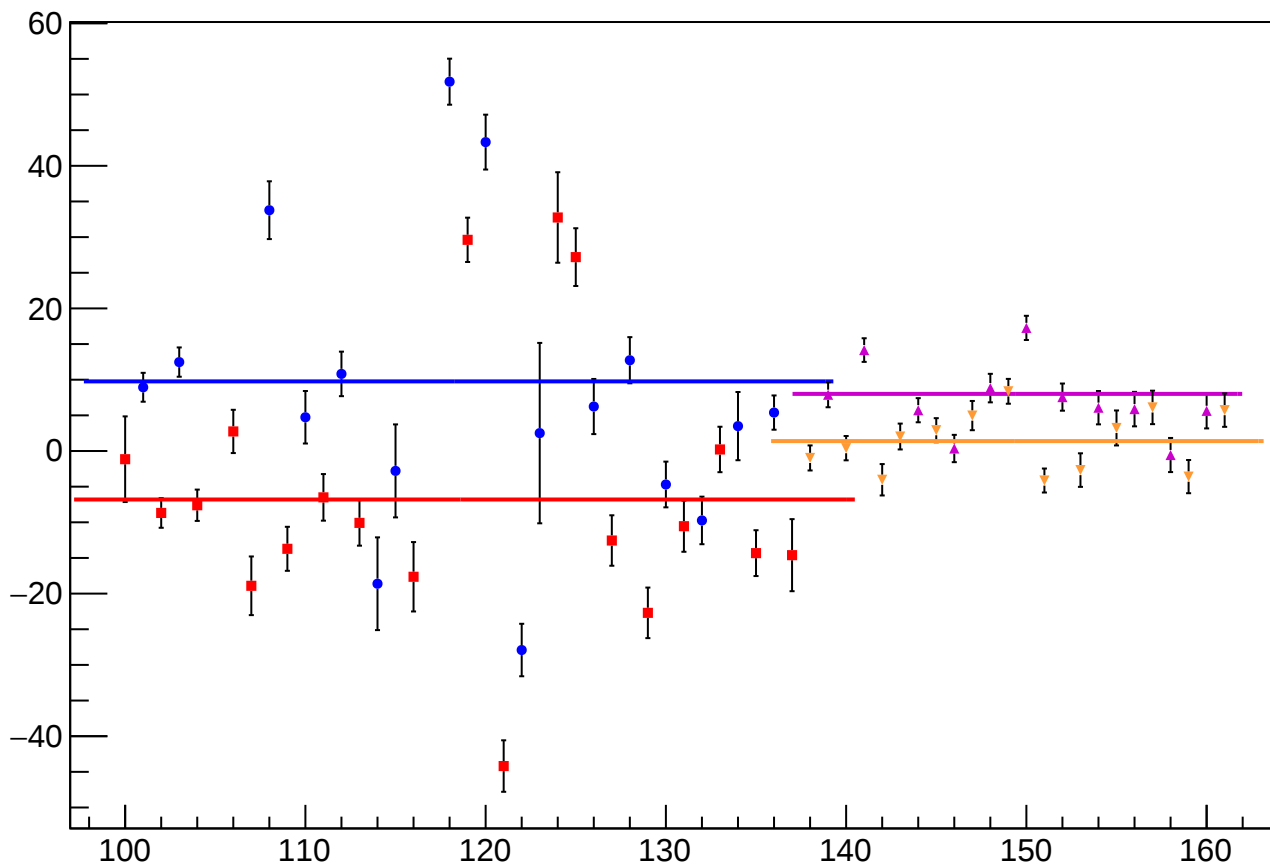
Right Out: 6045.172 $\pm$ 1.611 χ^2 /NDF: 158323.0/18

Left In: 6409.523 $\pm$ 1.525 χ^2 /NDF:116349.7/10

6282.723 $\pm$ 1.101 χ^2 /NDF: 310268.8/29

6237.284 $\pm$ 1.108 χ^2 /NDF: 301639.9/29

diff_bpm0l05Y_mean vs Slug



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

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

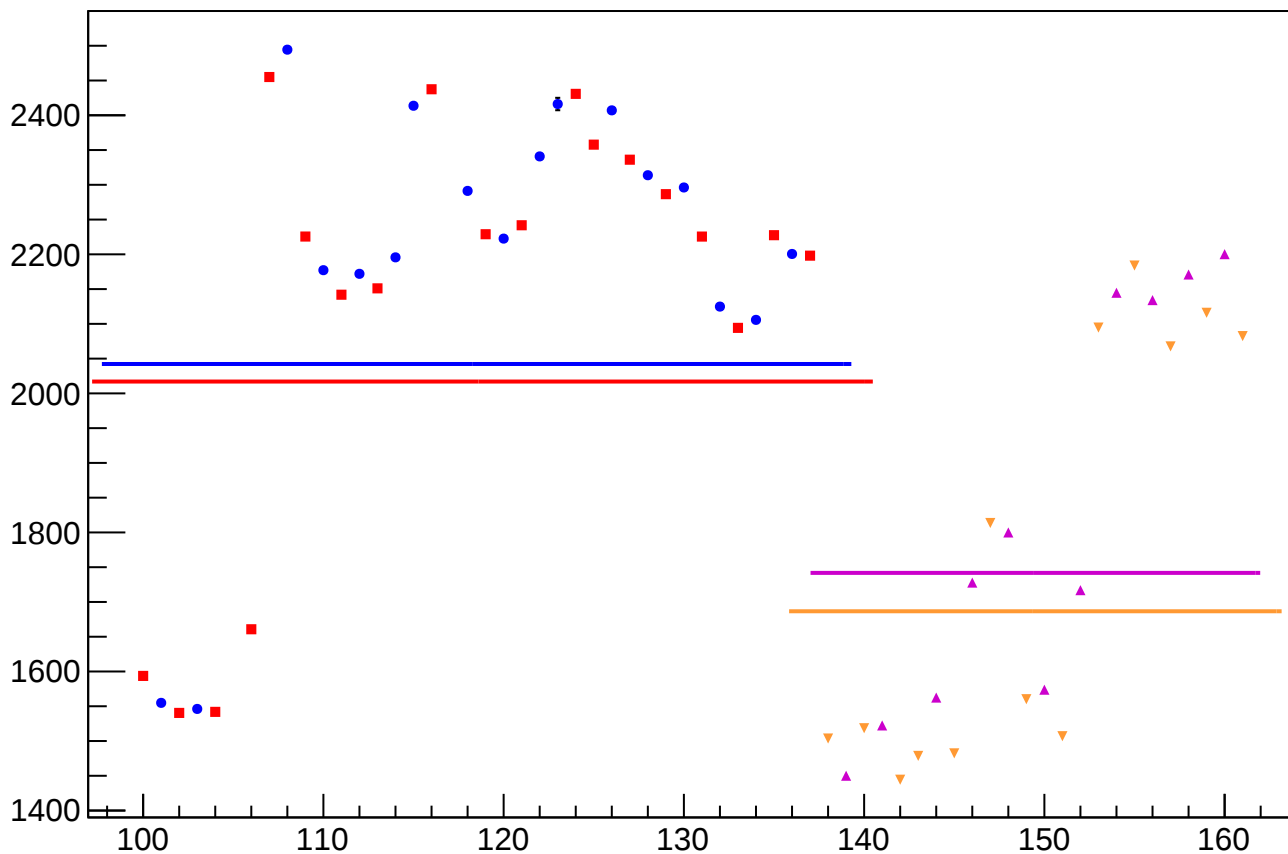
Right Out: -6.801 ± 0.765 χ^2/NDF : 421.8/18

Left In: 8.012 ± 0.590 χ^2/NDF : 76.8/10

4.072 ± 0.451 χ^2/NDF : 603.5/29

2.488 ± 0.467 χ^2/NDF : 733.9/29

diff_bpm0l05Y_rms vs Slug



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

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

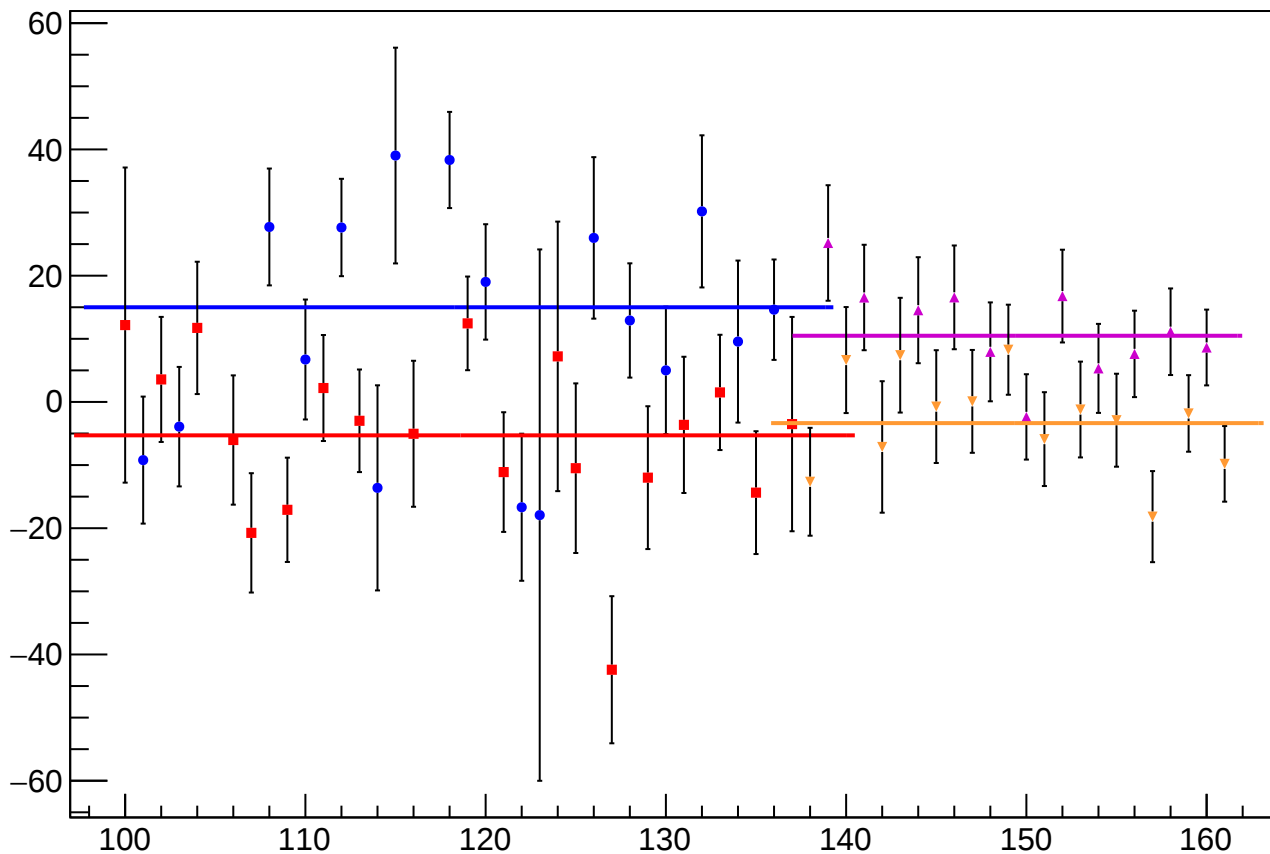
Right Out: 2017.026+/-0.541 χ^2/NDF : 375630.3/18

Left In: 1741.824+/-0.417 χ^2/NDF : 380021.6/10

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

1844.438+/-0.330 χ^2/NDF : 918072.7/29

diff_bpm0l06X_mean vs Slug



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

Left Out: -3.353 $\pm$ 2.110 χ^2 /NDF:12.7/12

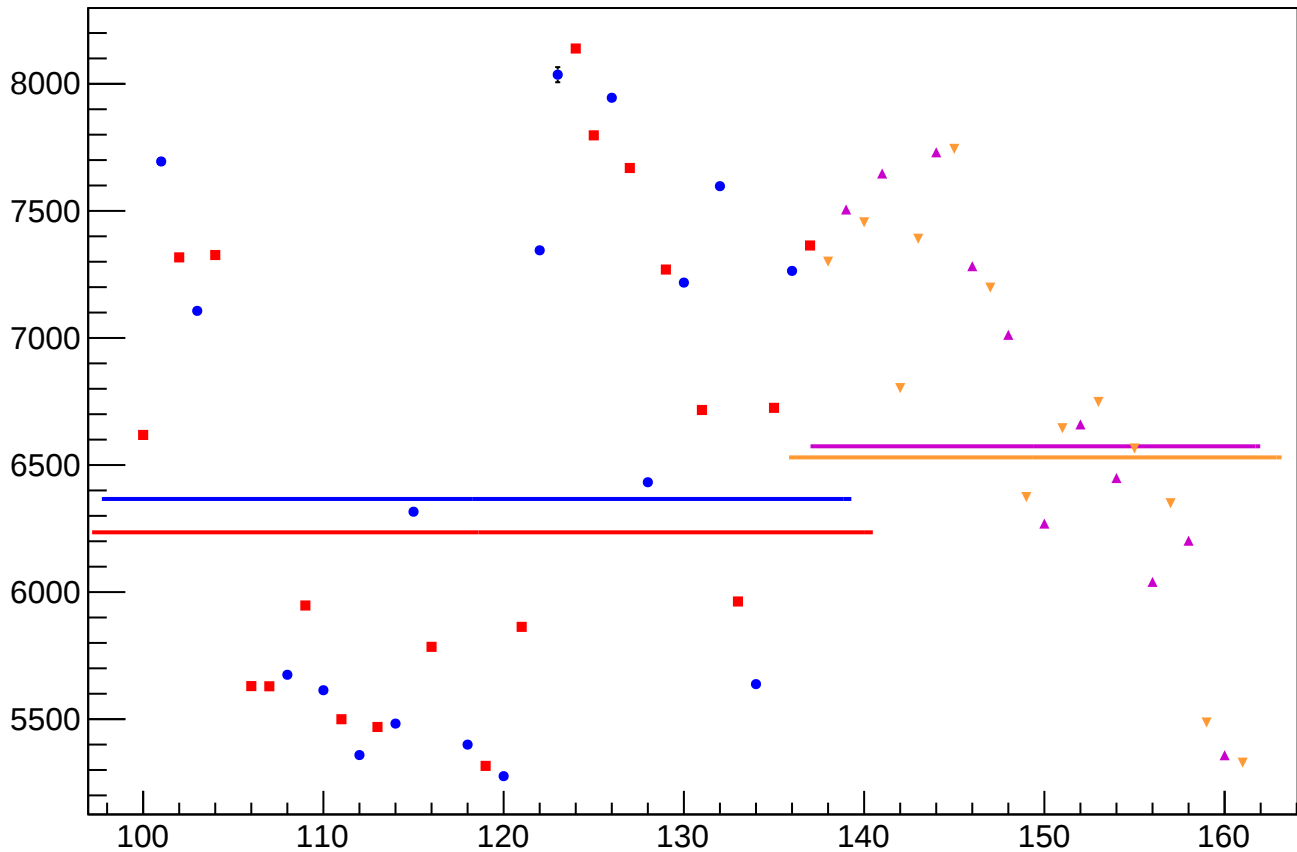
Right Out: -5.291 $\pm$ 2.357 χ^2 /NDF: 28.1/18

Left In: 10.485 $\pm$ 2.222 χ^2 /NDF:9.2/10

4.332 $\pm$ 1.608 χ^2 /NDF: 85.7/29

3.061 $\pm$ 1.617 χ^2 /NDF: 60.9/29

diff_bpm0l06X_rms vs Slug



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

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

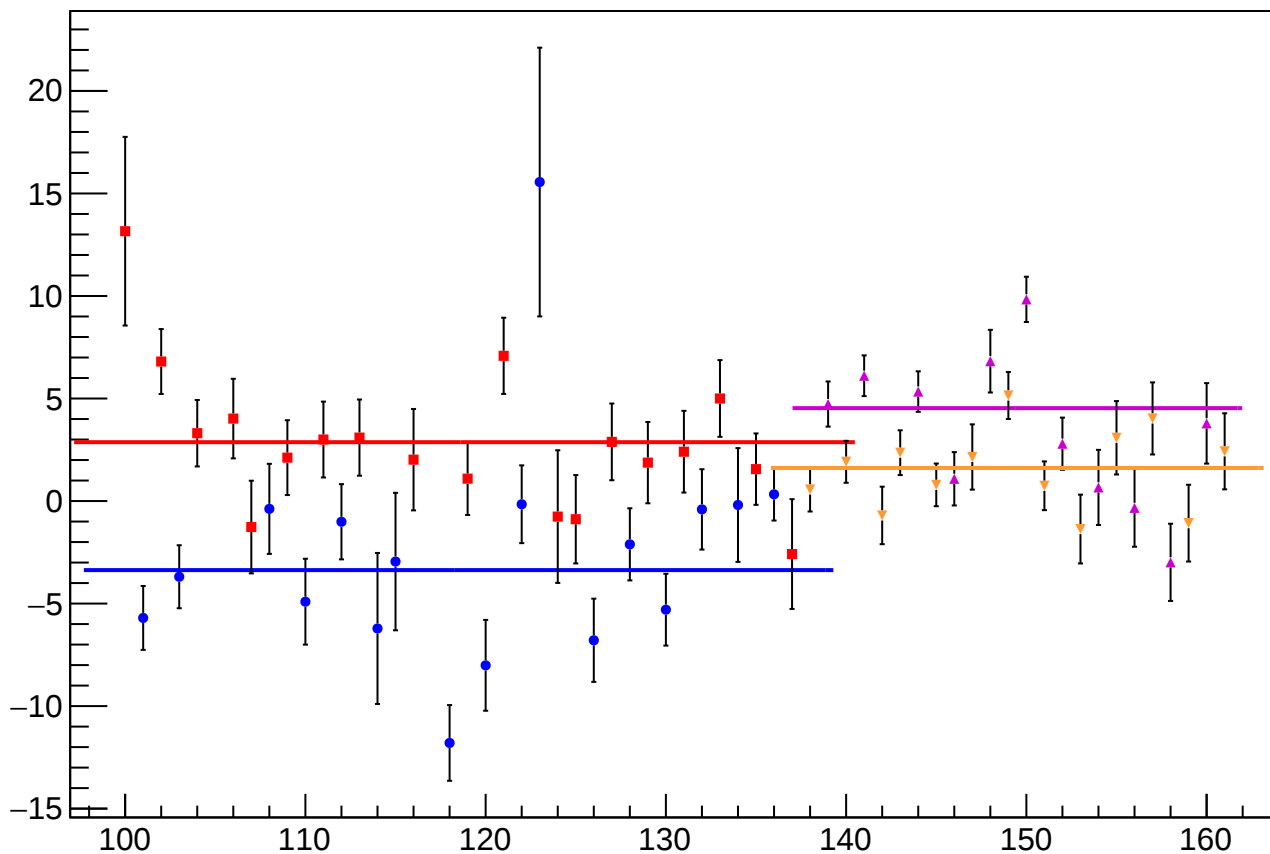
Right Out: 6235.179 ± 1.667 $\chi^2/\text{NDF}: 243204.0/18$

Left In: 6573.680 ± 1.572 $\chi^2/\text{NDF}: 217912.8/10$

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

6414.394 ± 1.143 $\chi^2/\text{NDF}: 482949.2/29$

diff_bpm0l06Y_mean vs Slug



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

Left Out: 1.614 ± 0.365 $\chi^2/\text{NDF}: 23.0/12$

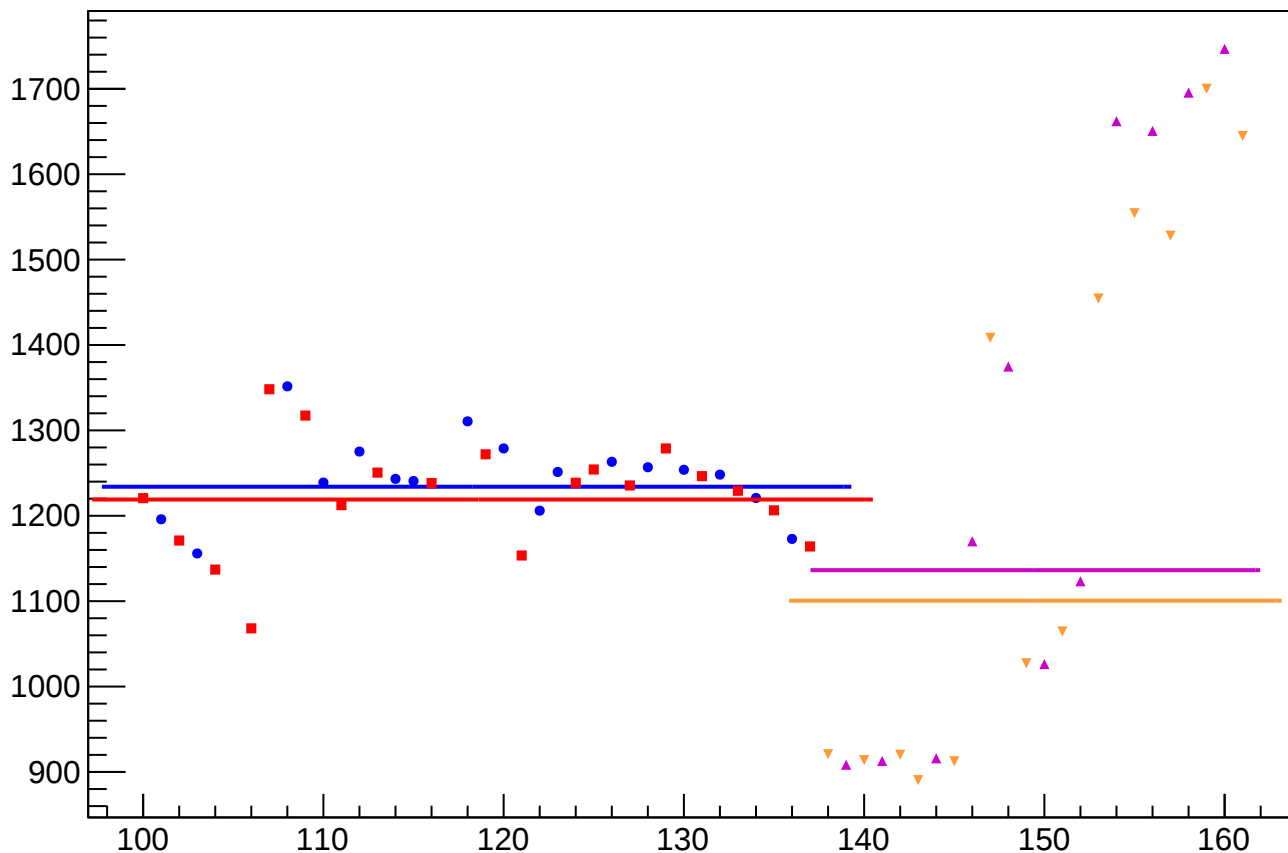
Right Out: 2.871 ± 0.456 $\chi^2/\text{NDF}: 32.0/18$

Left In: 4.531 ± 0.394 $\chi^2/\text{NDF}: 64.6/10$

-0.231 ± 0.289 $\chi^2/\text{NDF}: 152.0/29$

3.822 ± 0.298 $\chi^2/\text{NDF}: 104.2/29$

diff_bpm0l06Y_rms vs Slug



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

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

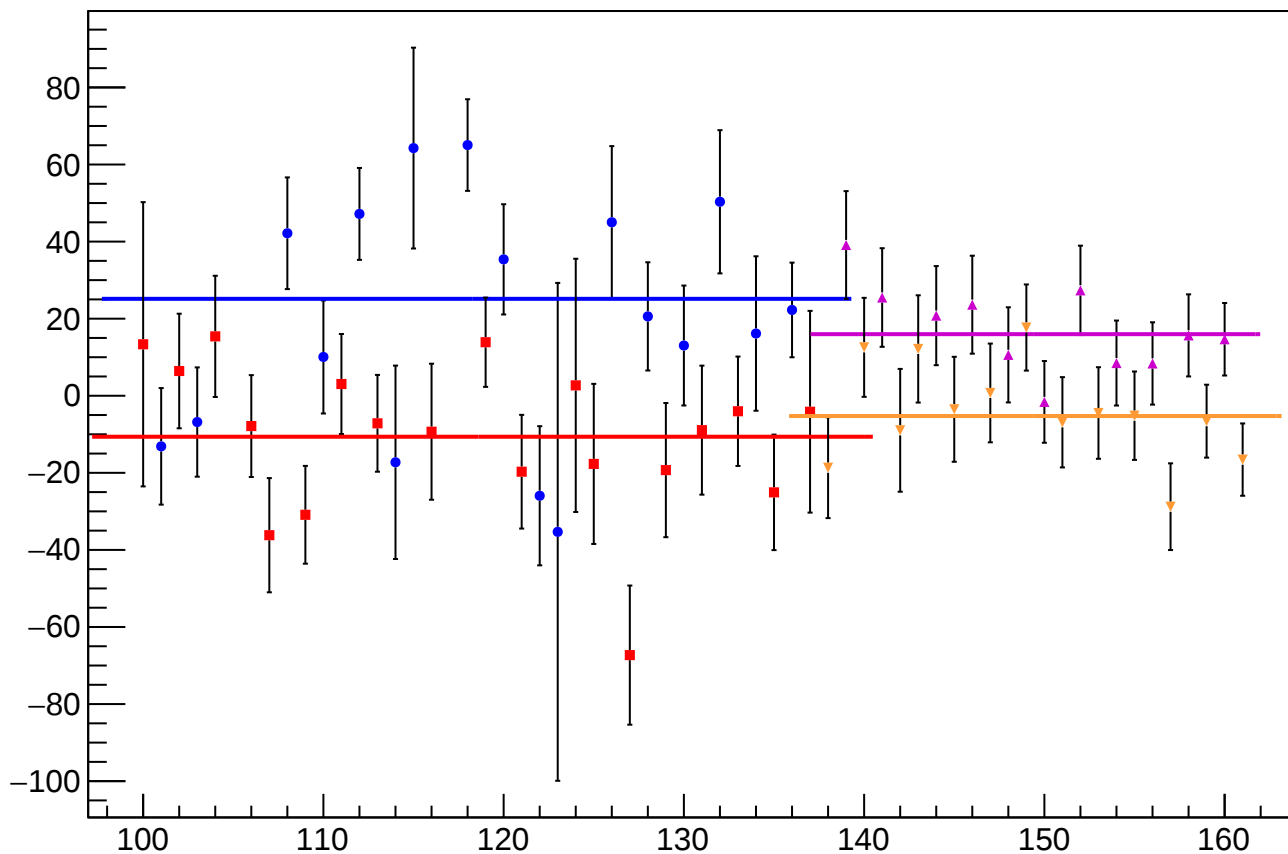
Right Out: 1219.041+/-0.323 χ^2/NDF : 40370.4/18

Left In: 1136.306+/-0.279 χ^2/NDF : 1037982.8/10

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

1171.648+/-0.211 χ^2/NDF : 1116001.5/29

diff_bpm0l07X_mean vs Slug



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

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

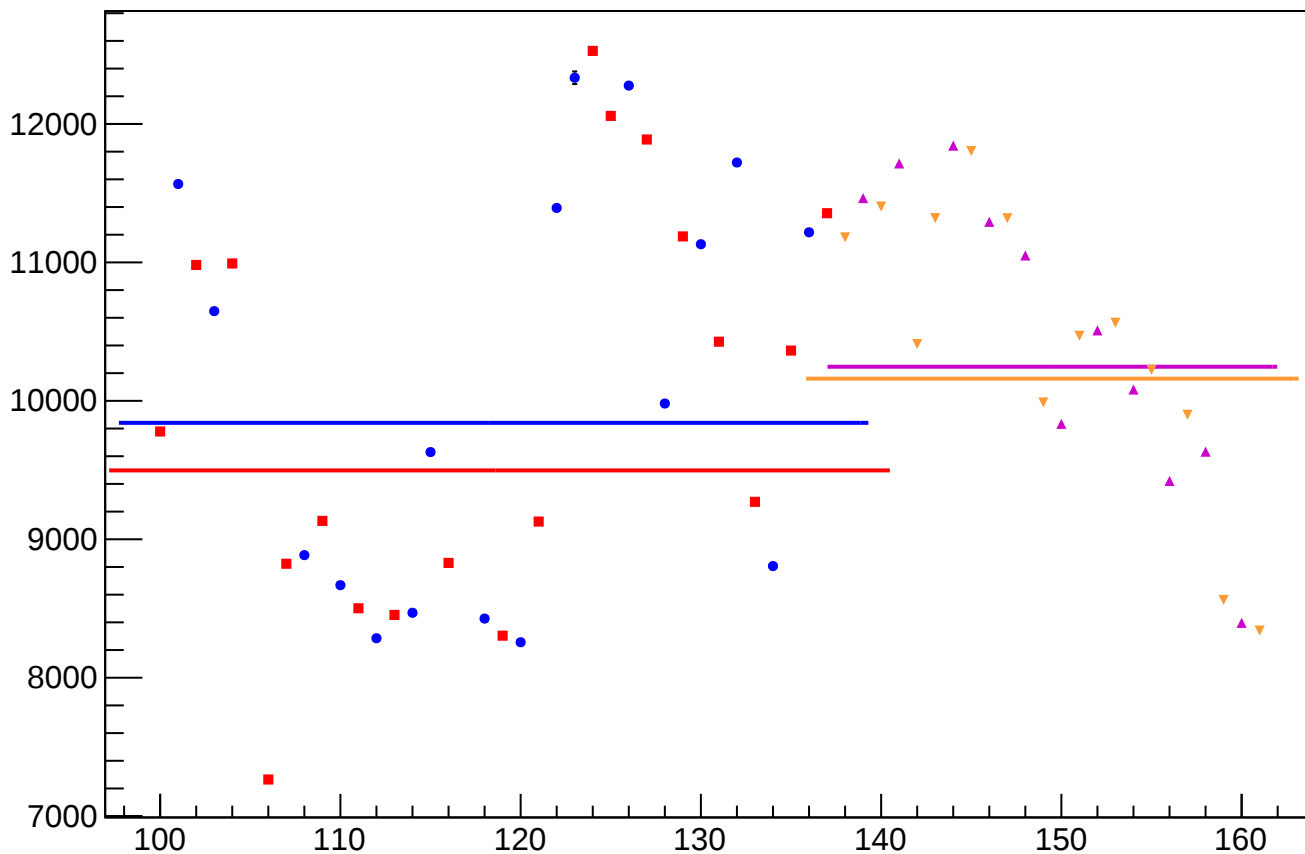
Right Out: -10.634 ± 3.595 χ^2/NDF : 27.7/18

Left In: 15.980 ± 3.461 χ^2/NDF : 8.7/10

7.578 ± 2.494 χ^2/NDF : 98.2/29

3.176 ± 2.493 χ^2/NDF : 64.8/29

diff_bpm0l07X_rms vs Slug



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

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

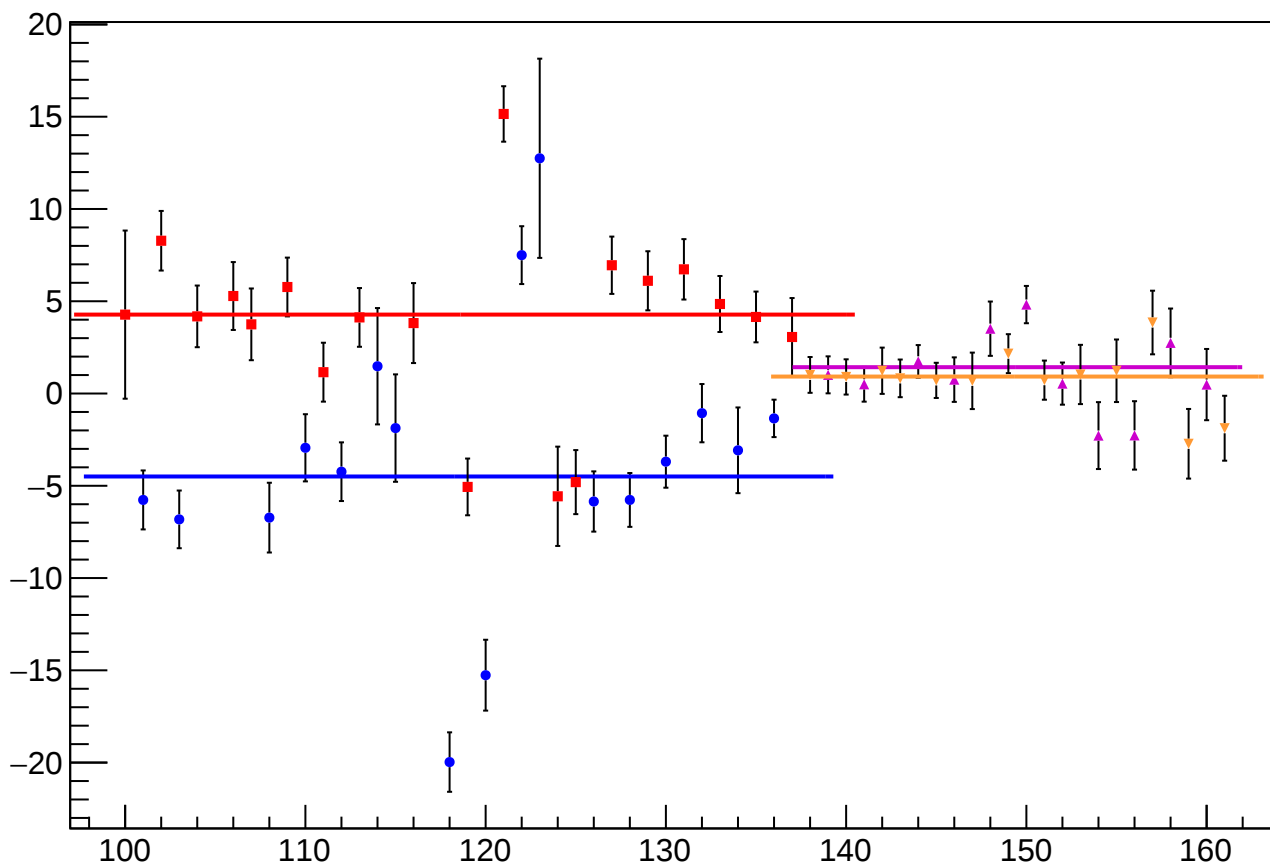
Right Out: 9497.483+/-2.542 χ^2/NDF : 276700.1/18

Left In: 10246.439+/-2.447 χ^2/NDF : 194819.3/10

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

9886.124+/-1.763 χ^2/NDF : 516571.8/29

diff_bpm0l07Y_mean vs Slug



Right In: -4.497 $\pm$ 0.408 χ^2/NDF : 218.4/16

Left Out: 0.919 $\pm$ 0.338 χ^2/NDF : 10.7/12

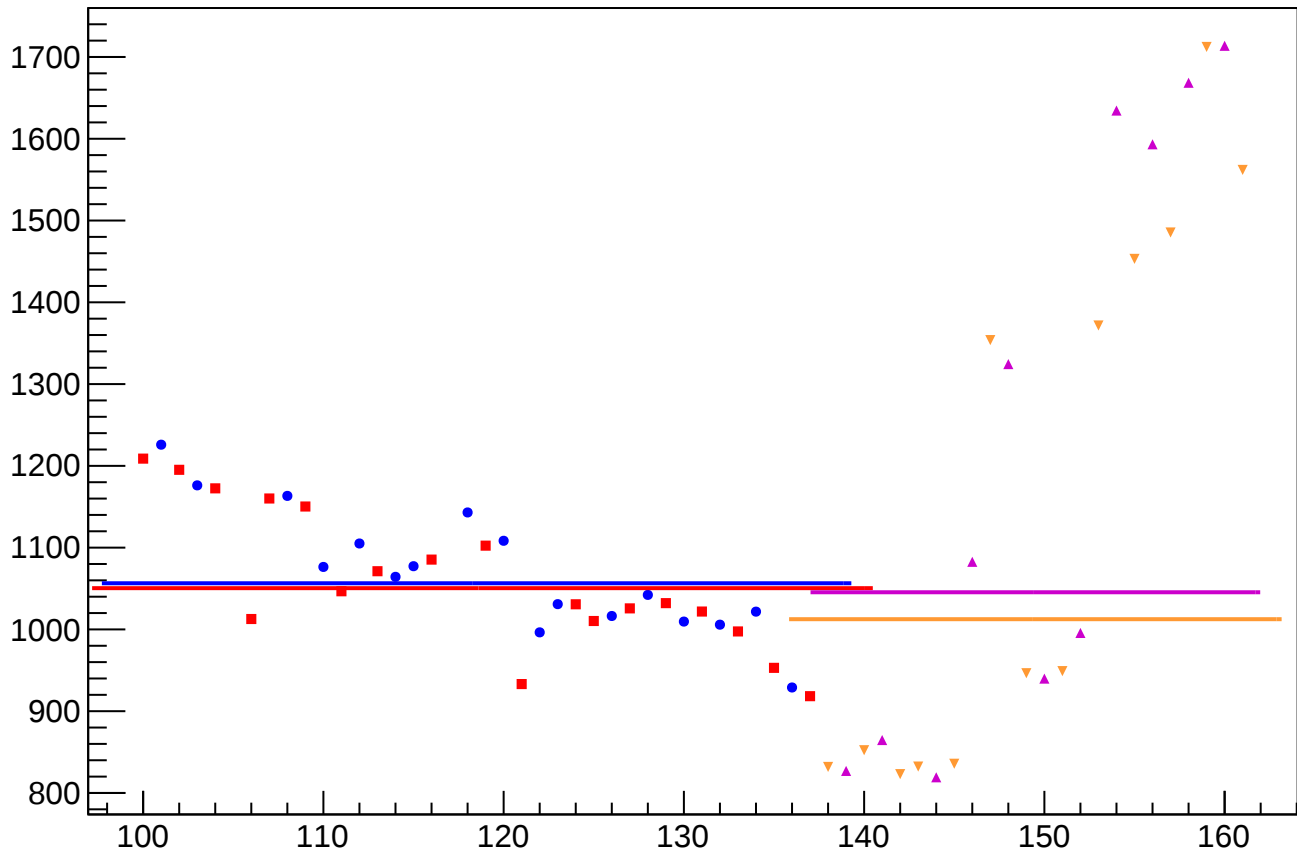
Right Out: 4.277 $\pm$ 0.394 χ^2/NDF : 148.2/18

Left In: 1.427 $\pm$ 0.366 χ^2/NDF : 24.4/10

-1.285 $\pm$ 0.260 χ^2/NDF : 333.5/29

2.749 $\pm$ 0.268 χ^2/NDF : 200.7/29

diff_bpm0l07Y_rms vs Slug



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

Left Out: 1012.497+/-0.239 χ^2/NDF :1272772.0/12

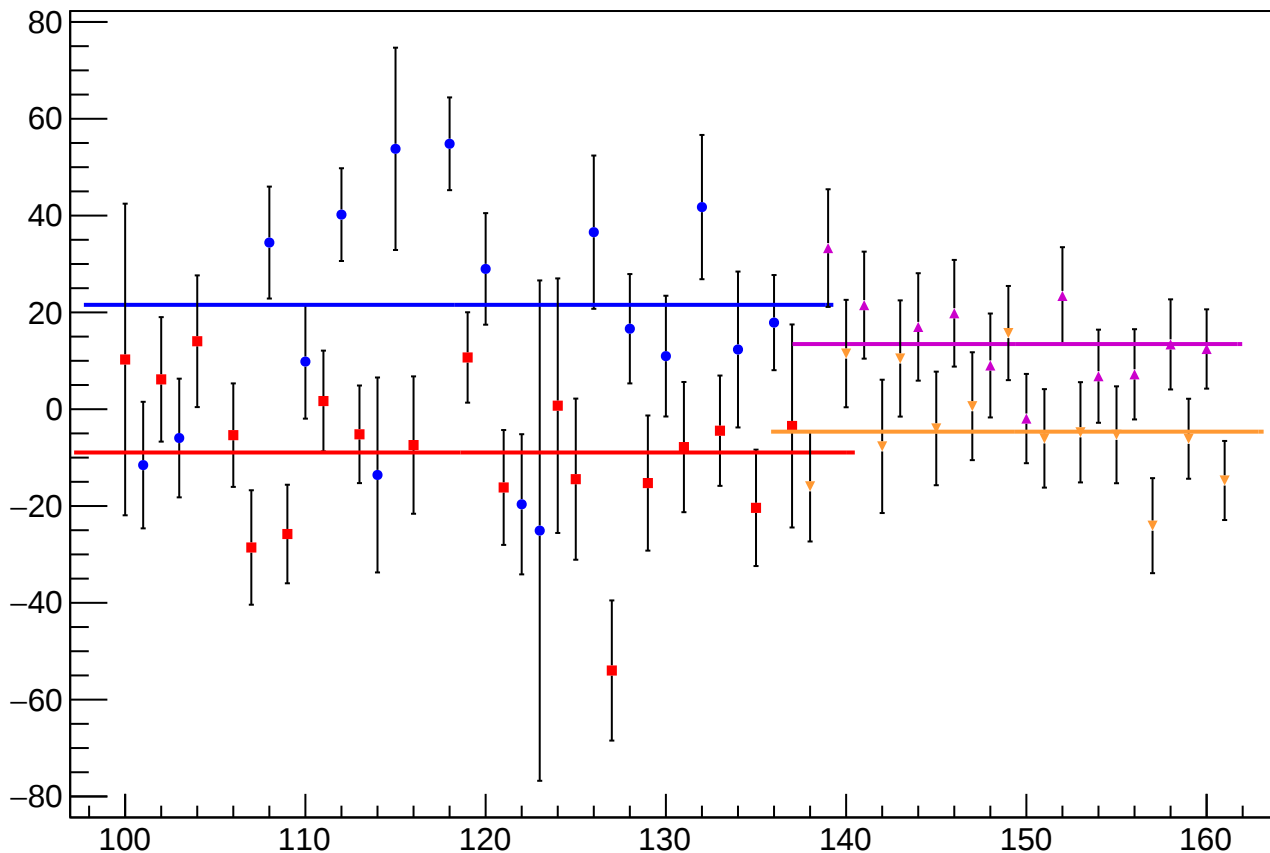
Right Out: 1050.443+/-0.279 χ^2/NDF : 82396.5/18

Left In: 1045.428+/-0.259 χ^2/NDF :1249042.2/10

1030.379+/-0.184 χ^2/NDF : 1377289.4/29

1047.754+/-0.190 χ^2/NDF : 1331612.6/29

diff_bpm0l08X_mean vs Slug



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

Left Out: -4.638+/-2.853 χ^2/NDF : 14.8/12

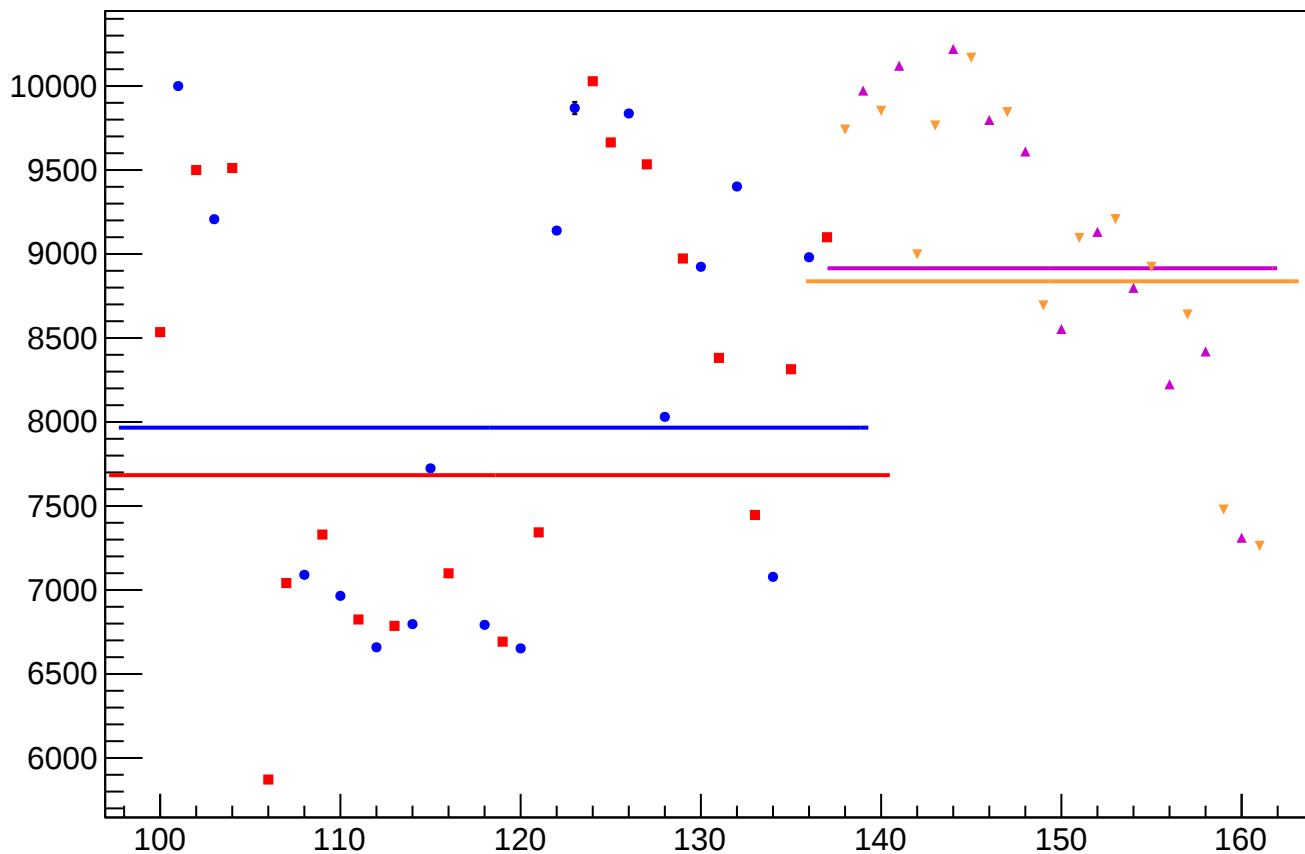
Right Out: -8.943+/-2.912 χ^2/NDF : 27.4/18

Left In: 13.459+/-3.010 χ^2/NDF : 8.5/10

7.331+/-2.102 χ^2/NDF : 101.8/29

1.886+/-2.093 χ^2/NDF : 64.5/29

diff_bpm0l08X_rms vs Slug



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

Left Out: 8837.516 $\pm$ 2.017 χ^2 /NDF: 217189.9/12

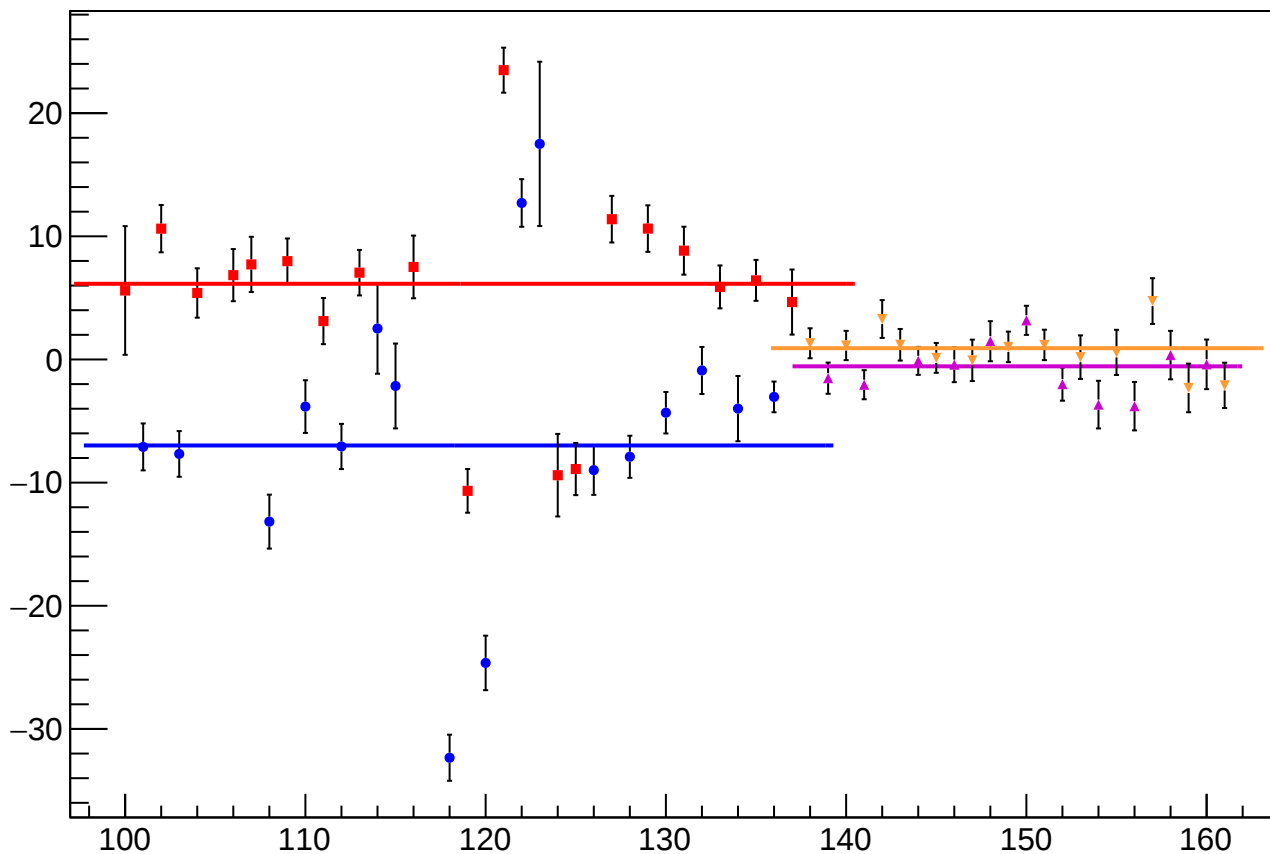
Right Out: 7683.479 $\pm$ 2.059 χ^2 /NDF: 315033.7/18

Left In: 8915.014 $\pm$ 2.129 χ^2 /NDF: 185458.9/10

8439.554 $\pm$ 1.487 χ^2 /NDF: 599009.3/29

8278.781 $\pm$ 1.480 χ^2 /NDF: 673423.0/29

diff_bpm0l08Y_mean vs Slug



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

Left Out: 0.918 ± 0.401 χ^2/NDF : 13.2/12

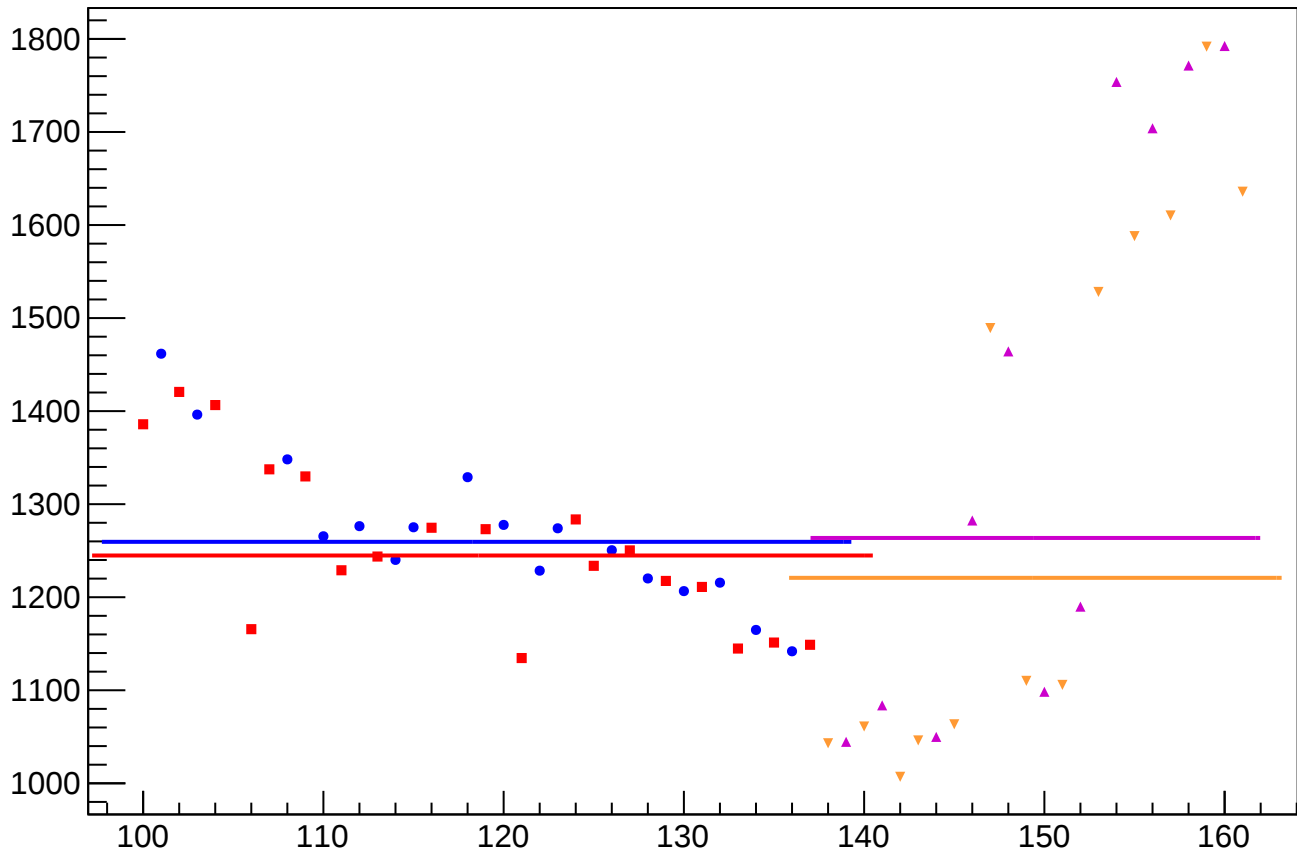
Right Out: 6.145 ± 0.467 χ^2/NDF : 277.5/18

Left In: -0.557 ± 0.435 χ^2/NDF : 20.6/10

-2.283 ± 0.309 χ^2/NDF : 578.9/29

2.558 ± 0.318 χ^2/NDF : 408.5/29

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1220.831+/-0.284 χ^2/NDF : 770401.3/12

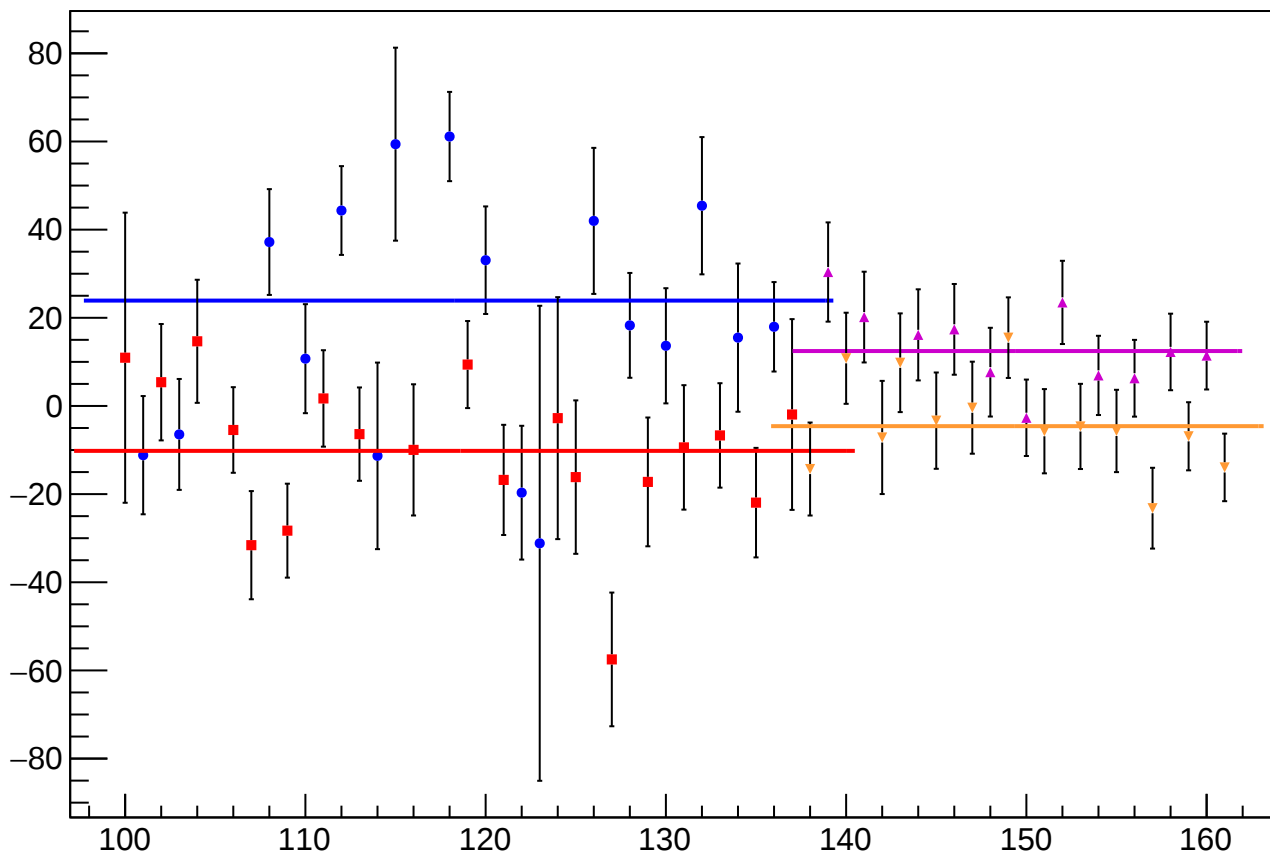
Right Out: 1244.837+/-0.330 χ^2/NDF : 66826.0/18

Left In: 1263.690+/-0.307 χ^2/NDF : 752548.9/10

1236.507+/-0.219 χ^2/NDF : 842785.0/29

1254.928+/-0.225 χ^2/NDF : 821122.3/29

diff_bpm0l09X_mean vs Slug



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

Left Out: -4.583 $\pm$ 2.666 χ^2 /NDF:15.5/12

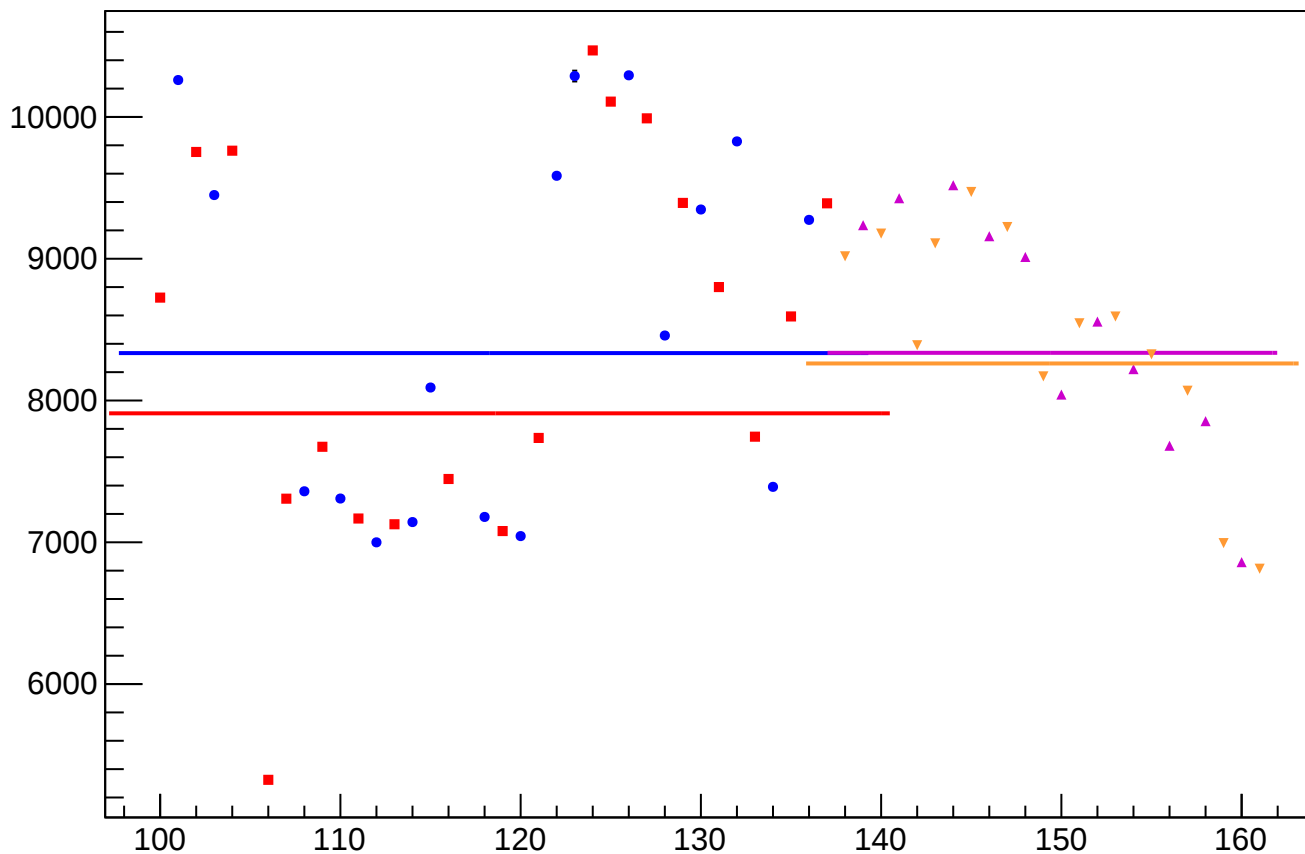
Right Out: -10.190 $\pm$ 3.006 χ^2 /NDF: 27.9/18

Left In: 12.458 $\pm$ 2.814 χ^2 /NDF:9.0/10

6.873 $\pm$ 2.061 χ^2 /NDF: 113.8/29

1.879 $\pm$ 2.054 χ^2 /NDF: 67.2/29

diff_bpm0l09X_rms vs Slug



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

Left Out: 8261.319 $\pm$ 1.885 χ^2 /NDF: 209576.4/12

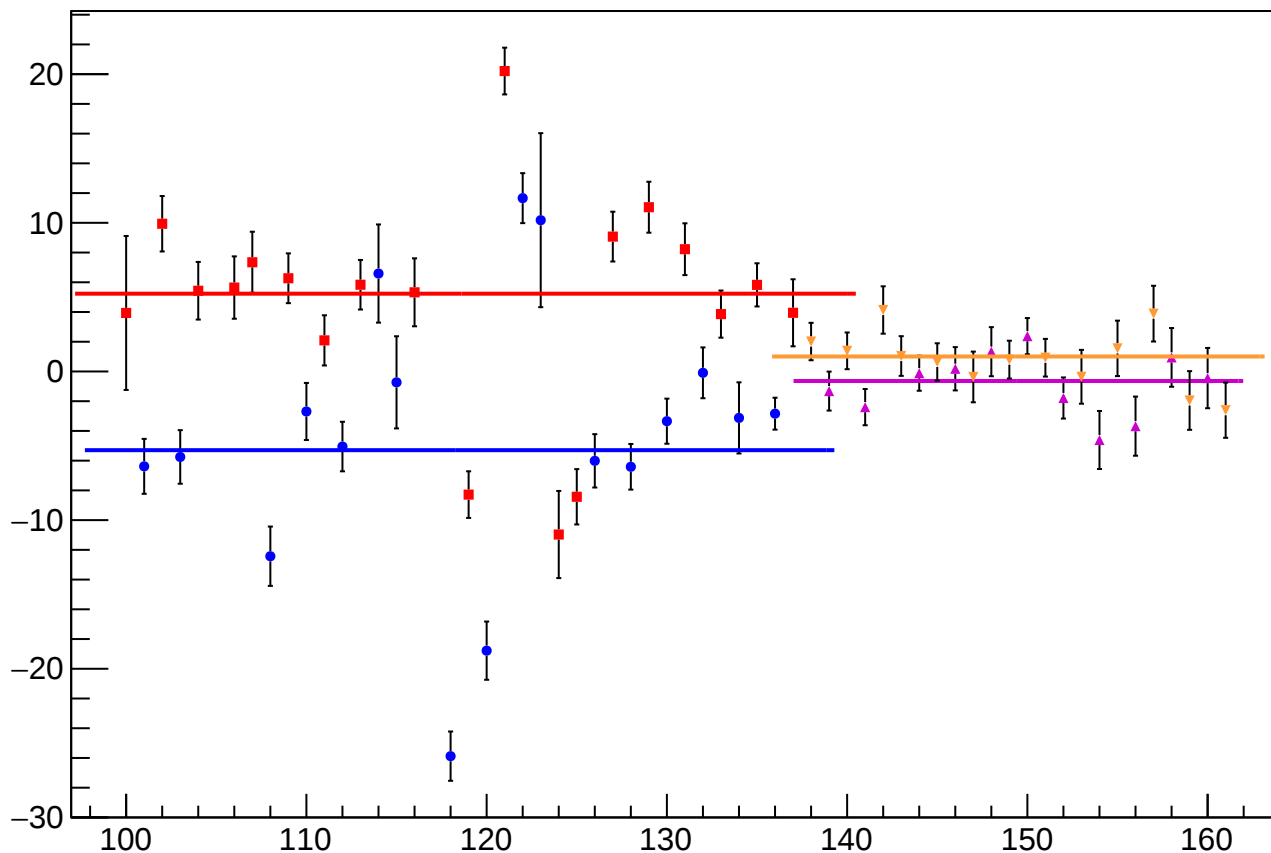
Right Out: 7909.620 $\pm$ 2.125 χ^2 /NDF: 390819.3/18

Left In: 8336.375 $\pm$ 1.990 χ^2 /NDF: 178229.0/10

8290.750 $\pm$ 1.458 χ^2 /NDF: 482485.1/29

8137.026 $\pm$ 1.453 χ^2 /NDF: 590534.2/29

diff_bpm0l09Y_mean vs Slug



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

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

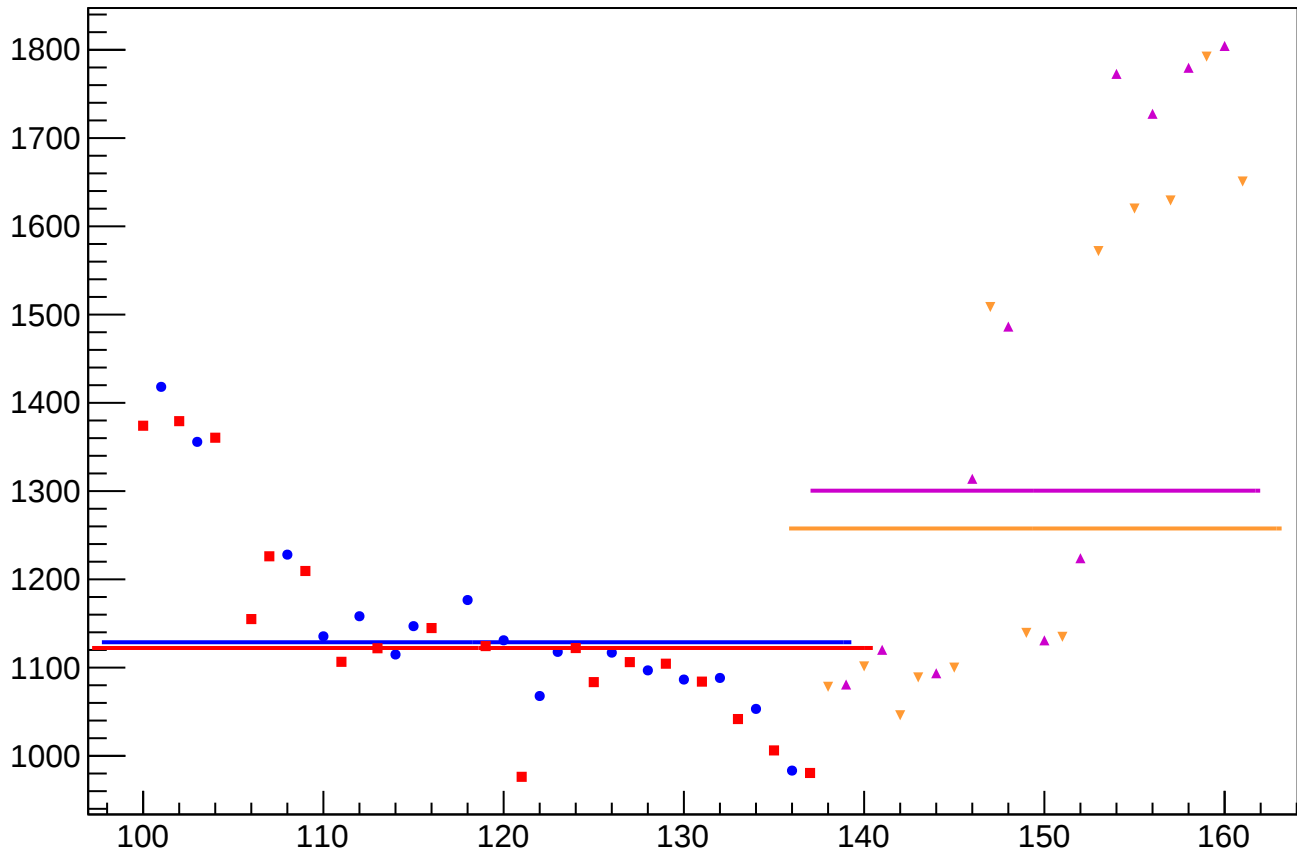
Right Out: 5.233 ± 0.422 χ^2/NDF : 281.9/18

Left In: -0.641 ± 0.446 χ^2/NDF : 18.3/10

-1.961 ± 0.300 χ^2/NDF : 482.7/29

2.462 ± 0.306 χ^2/NDF : 391.7/29

diff_bpm0l09Y_rms vs Slug



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

Left Out: 1257.646+/-0.291 χ^2/NDF : 701917.6/12

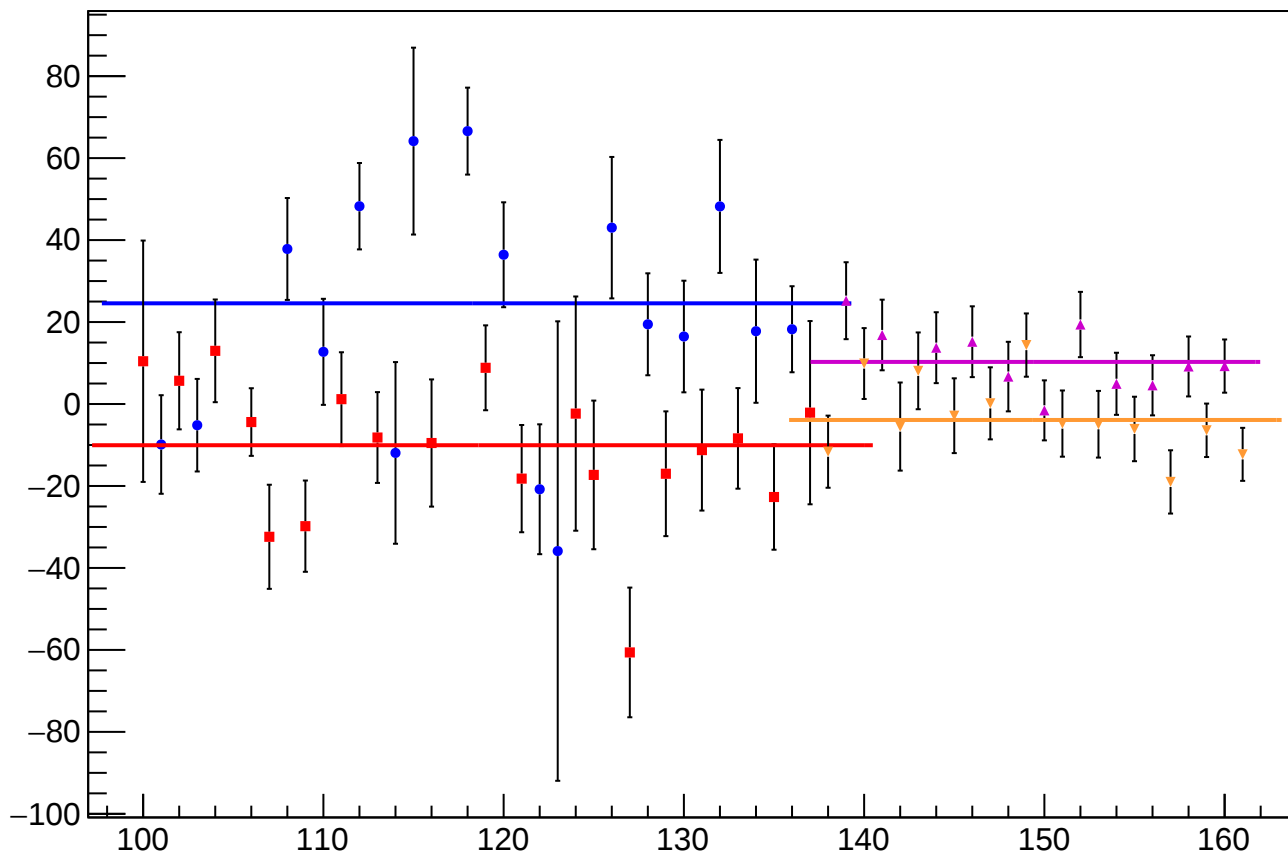
Right Out: 1122.238+/-0.298 χ^2/NDF : 129601.6/18

Left In: 1300.471+/-0.315 χ^2/NDF : 682306.1/10

1196.942+/-0.212 χ^2/NDF : 927155.8/29

1206.323+/-0.217 χ^2/NDF : 980495.5/29

diff_bpm0l10X_mean vs Slug



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

Left Out: -3.892+/-2.242 χ^2/NDF : 16.6/12

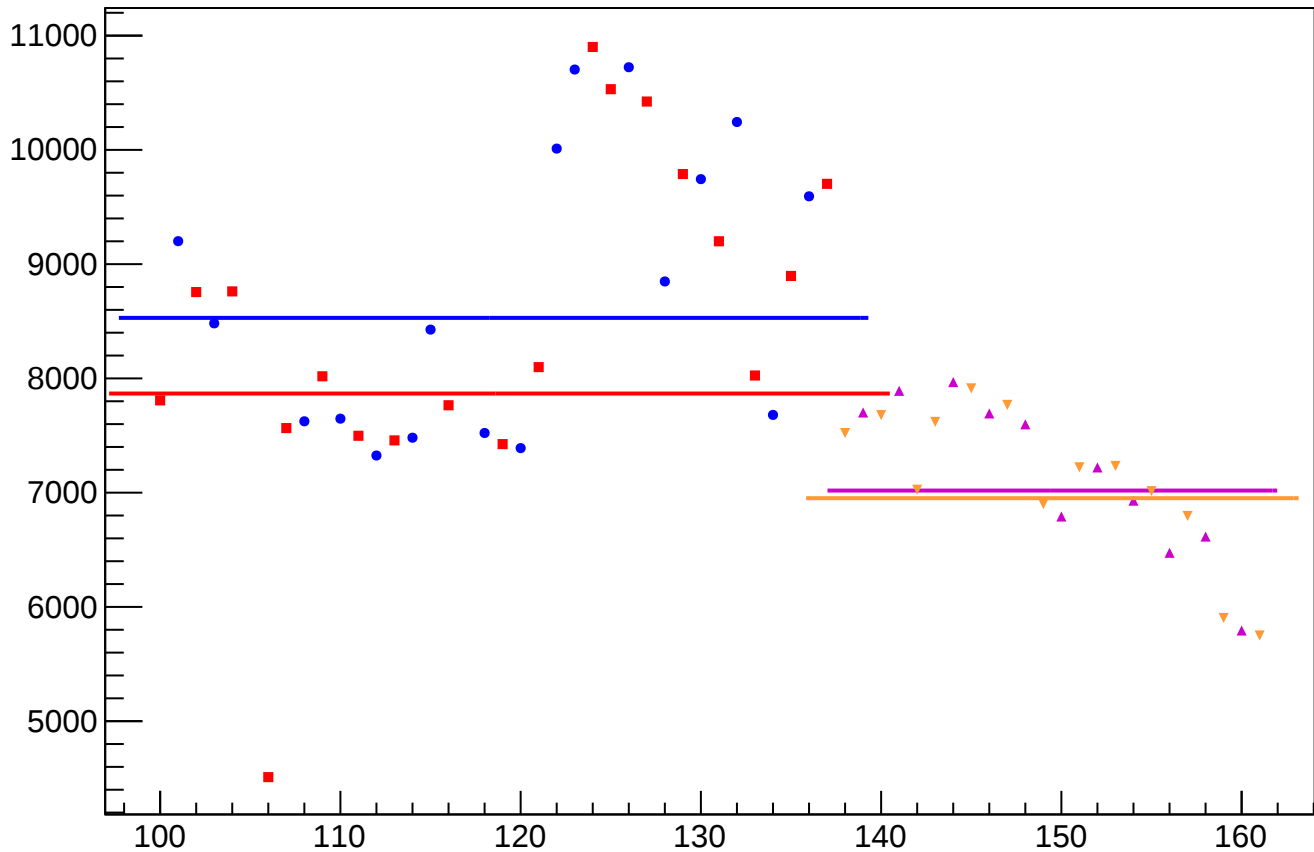
Right Out: -10.057+/-3.008 χ^2/NDF : 28.8/18

Left In: 10.272+/-2.368 χ^2/NDF : 8.8/10

5.030+/-1.858 χ^2/NDF : 125.2/29

2.492+/-1.861 χ^2/NDF : 65.9/29

diff_bpm0l10X_rms vs Slug



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

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

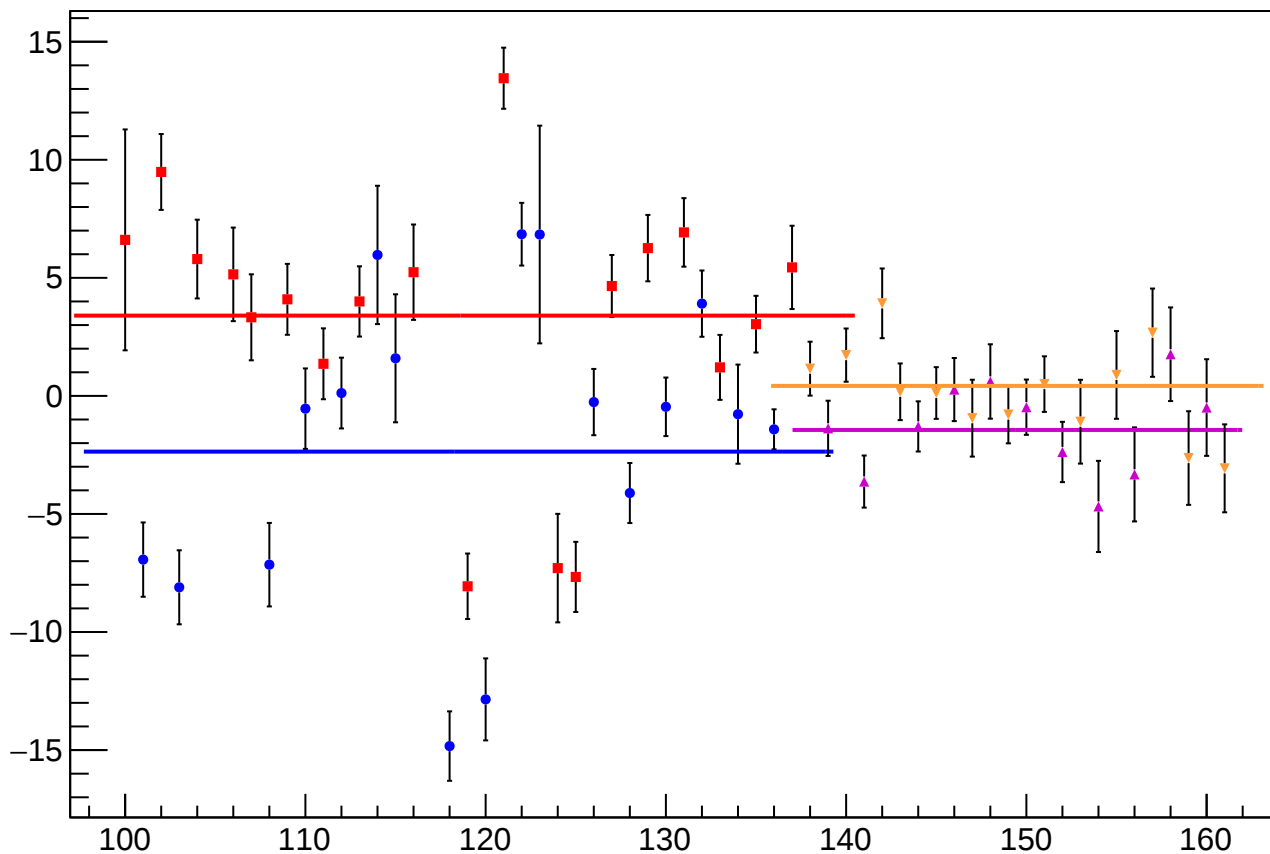
Right Out: 7867.584+/-2.127 χ^2/NDF : 555841.7/18

Left In: 7018.426+/-1.675 χ^2/NDF : 168560.6/10

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

7343.421+/-1.316 χ^2/NDF : 822810.5/29

diff_bpm0l10Y_mean vs Slug



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

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

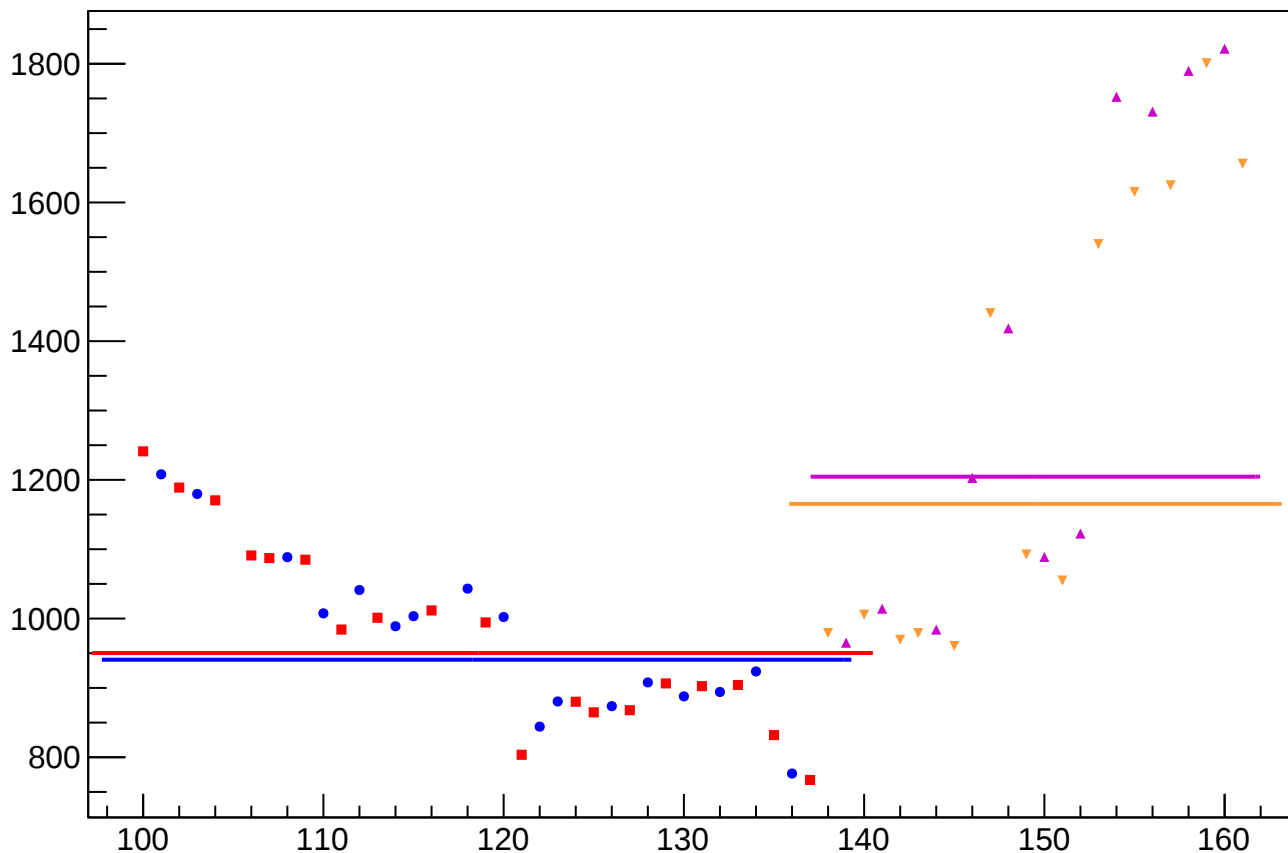
Right Out: 3.401 ± 0.358 χ^2/NDF : 241.4/18

Left In: -1.442 ± 0.417 χ^2/NDF : 15.0/10

-1.040 ± 0.265 χ^2/NDF : 276.8/29

1.344 ± 0.272 χ^2/NDF : 334.1/29

diff_bpm0l10Y_rms vs Slug



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

Left Out: 1165.332+/-0.272 χ^2/NDF :999879.6/12

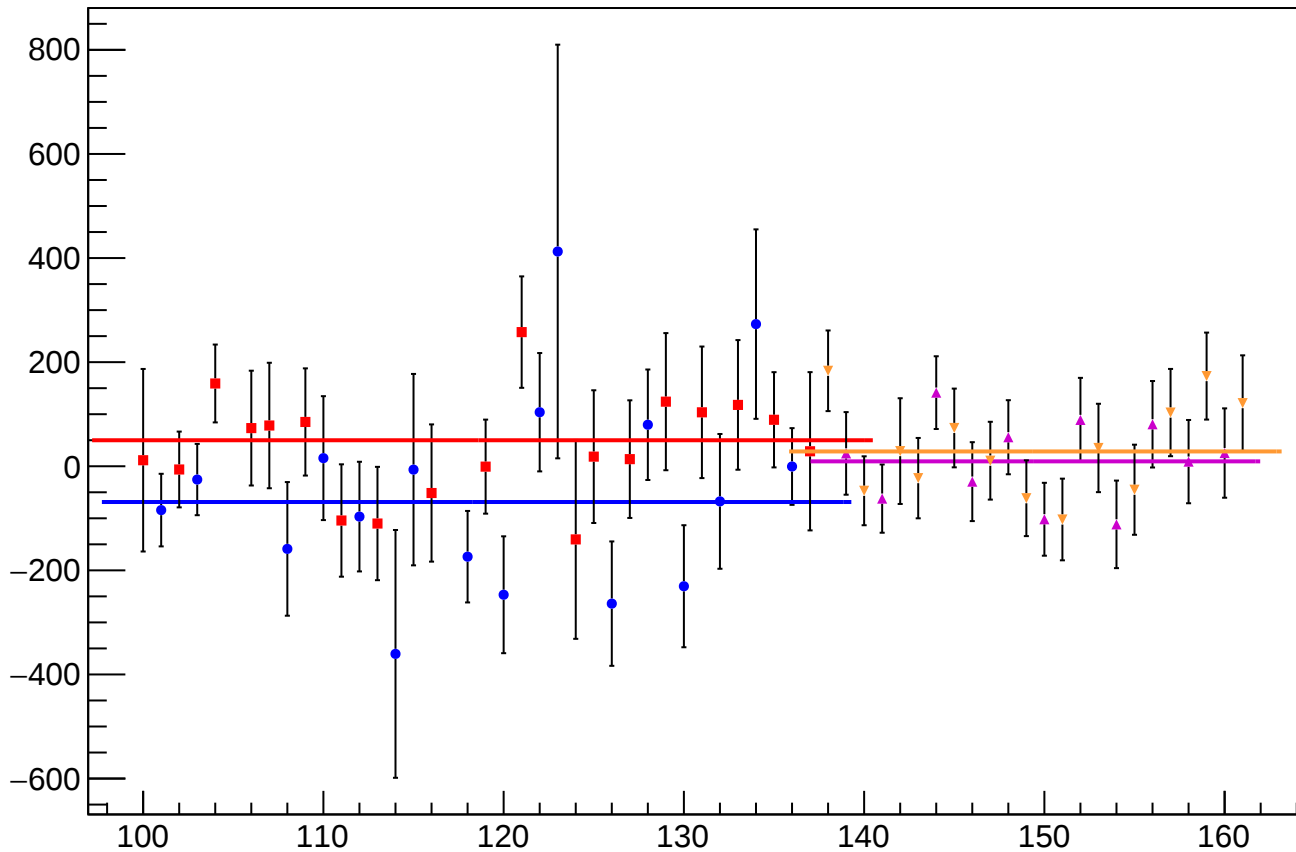
Right Out: 950.316+/-0.253 χ^2/NDF : 220678.1/18

Left In: 1204.588+/-0.295 χ^2/NDF :950638.5/10

1047.201+/-0.187 χ^2/NDF : 1599799.8/29

1058.322+/-0.192 χ^2/NDF : 1599406.4/29

diff_bpm0r03X_mean vs Slug



Right In: -68.688 ± 25.946 $\chi^2/\text{NDF}: 21.8/16$

Left Out: 28.474 ± 22.137 $\chi^2/\text{NDF}: 16.0/12$

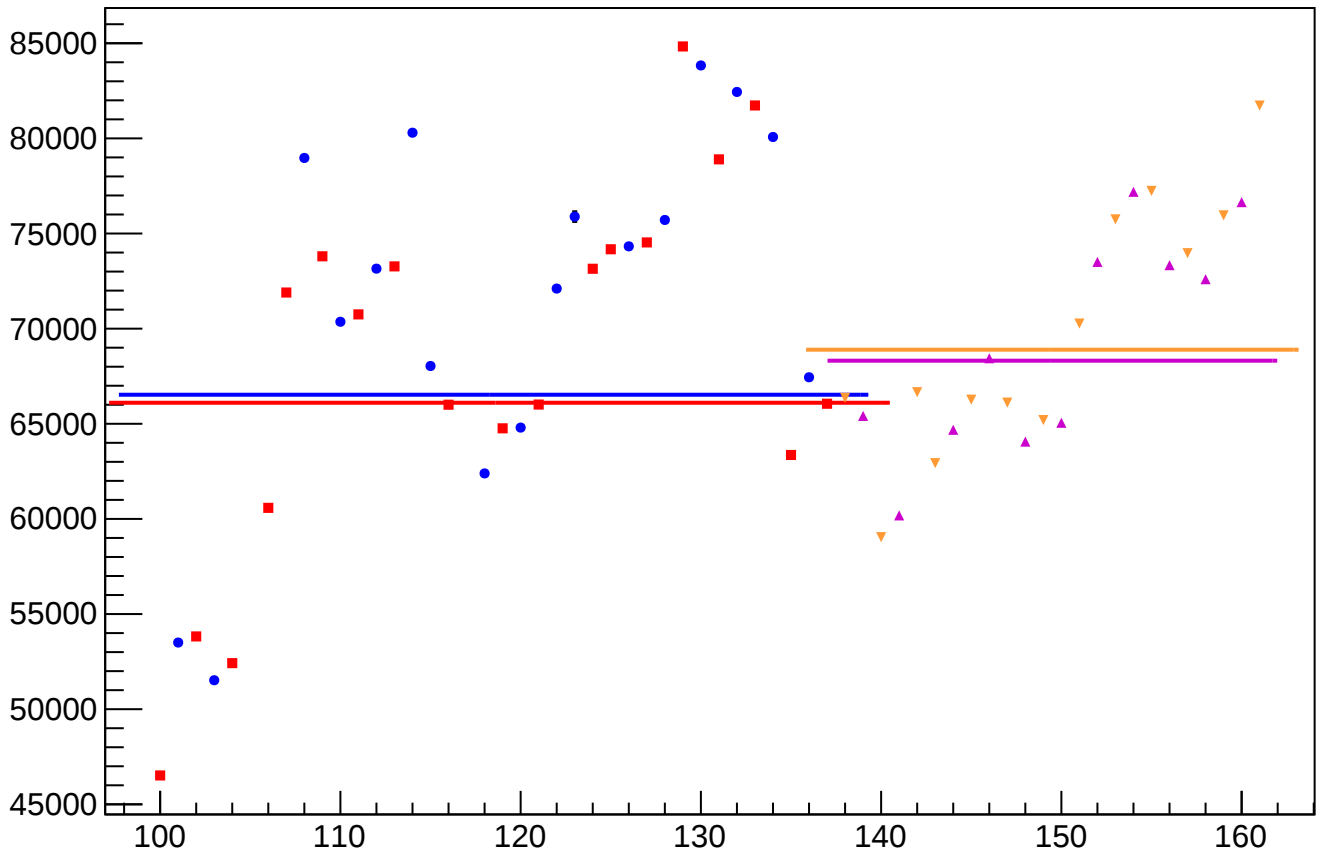
Right Out: 49.958 ± 25.020 $\chi^2/\text{NDF}: 14.0/18$

Left In: 9.414 ± 22.923 $\chi^2/\text{NDF}: 11.8/10$

-12.459 ± 16.841 $\chi^2/\text{NDF}: 45.9/29$

27.917 ± 16.902 $\chi^2/\text{NDF}: 27.3/29$

diff_bpm0r03X_rms vs Slug



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

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

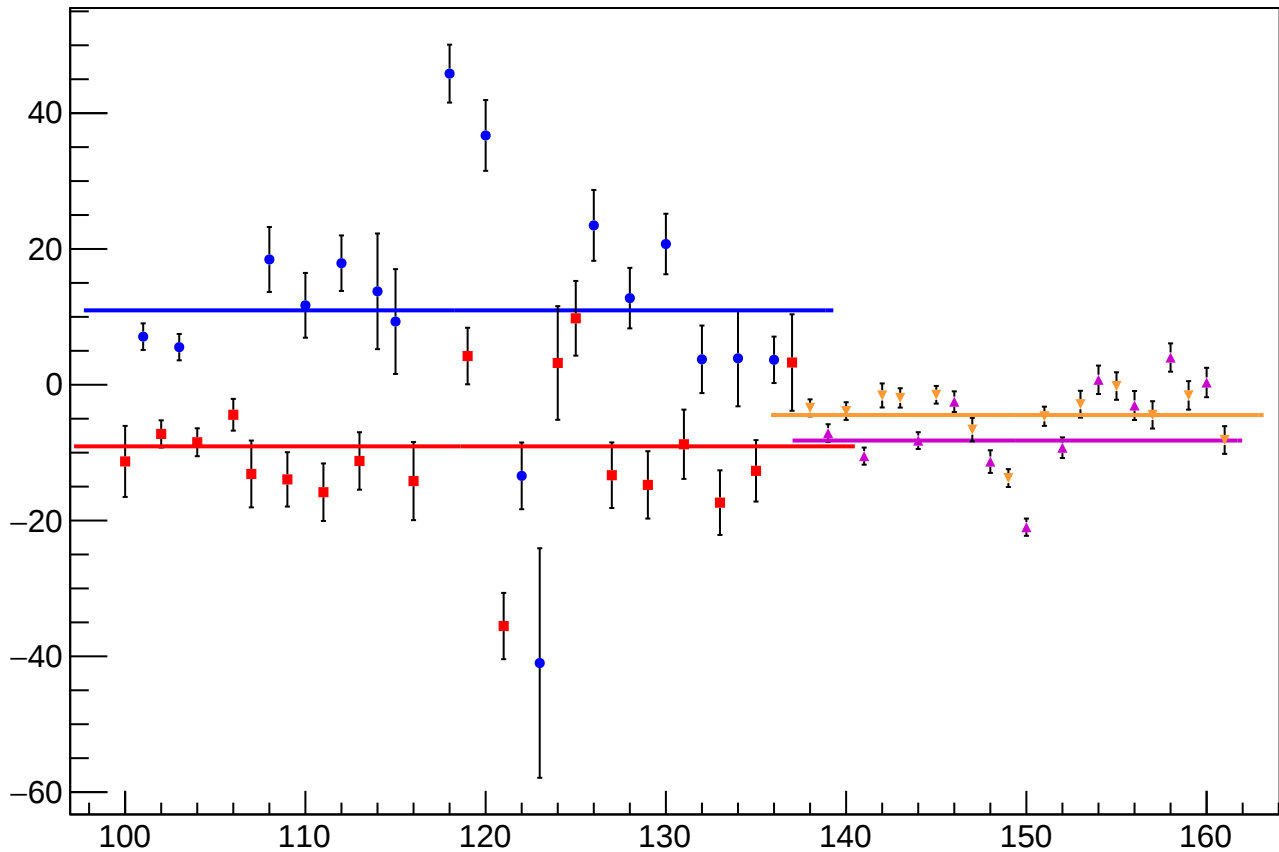
Right Out: 66105.849+/-17.692 χ^2/NDF : 298485.4/18

Left In: 68316.460+/-16.209 χ^2/NDF : 112744.0/10

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

67307.634+/-11.951 χ^2/NDF : 419717.4/29

diff_bpm0r03Y_mean vs Slug



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

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

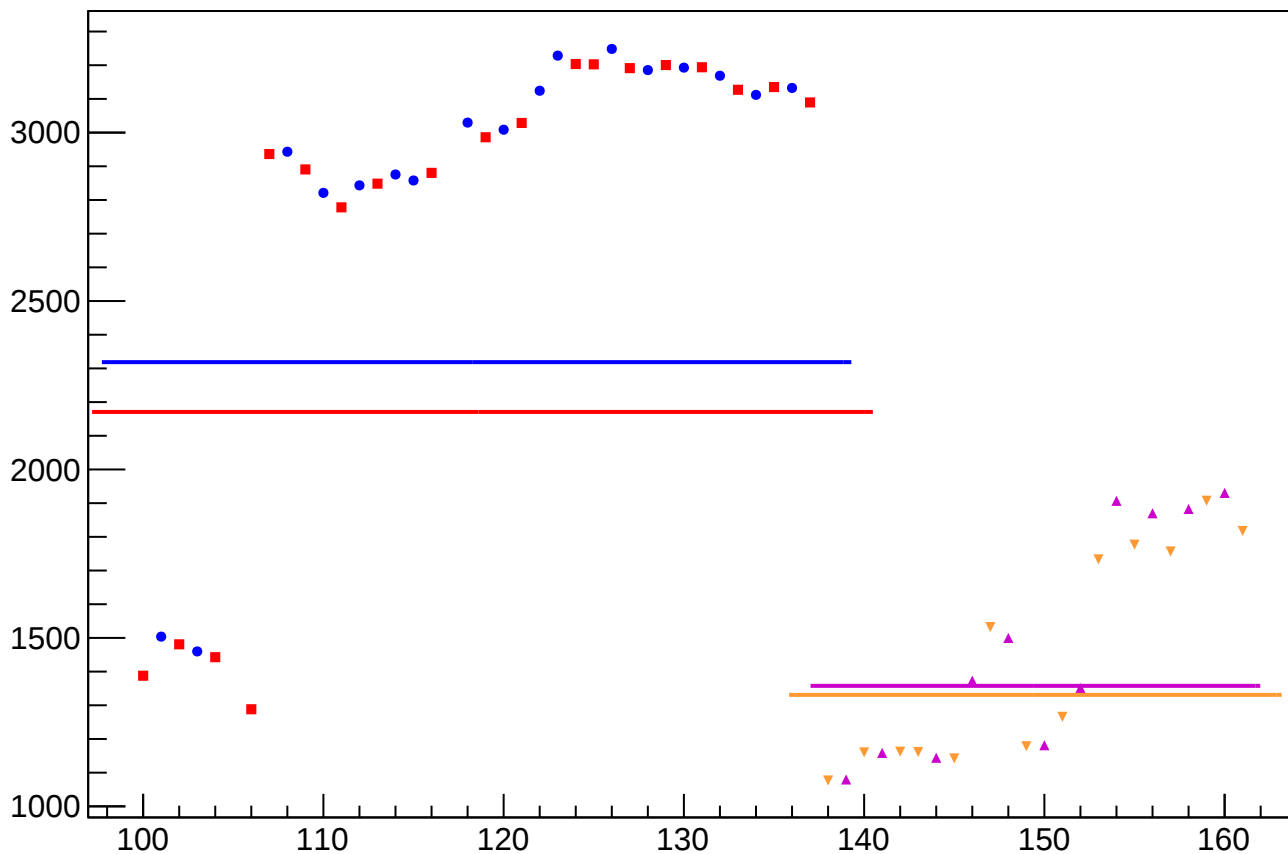
Right Out: -9.072 ± 0.866 χ^2/NDF : 73.1/18

Left In: -8.215 ± 0.466 χ^2/NDF : 197.1/10

-1.744 ± 0.396 χ^2/NDF : 454.7/29

-8.408 ± 0.411 χ^2/NDF : 271.0/29

diff_bpm0r03Y_rms vs Slug



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

Left Out: 1330.935 $\pm$ 0.309 χ^2 /NDF: 796483.4/12

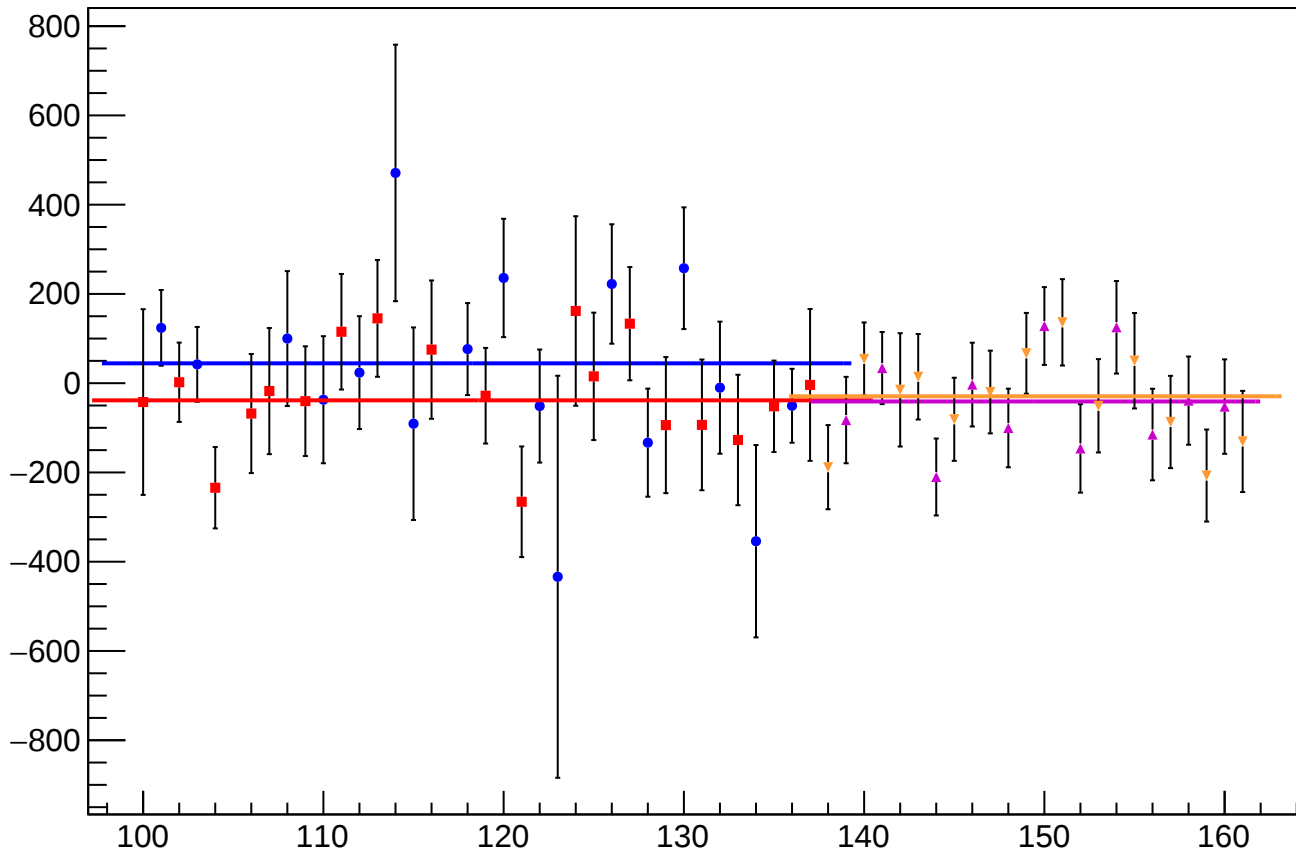
Right Out: 2170.786 $\pm$ 0.613 χ^2 /NDF: 1753687.8/18

Left In: 1357.694 $\pm$ 0.330 χ^2 /NDF: 772503.3/10

1505.083 $\pm$ 0.280 χ^2 /NDF: 4011281.9/29

1540.270 $\pm$ 0.290 χ^2 /NDF: 3892306.8/29

diff_bpm0r05X_mean vs Slug



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

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

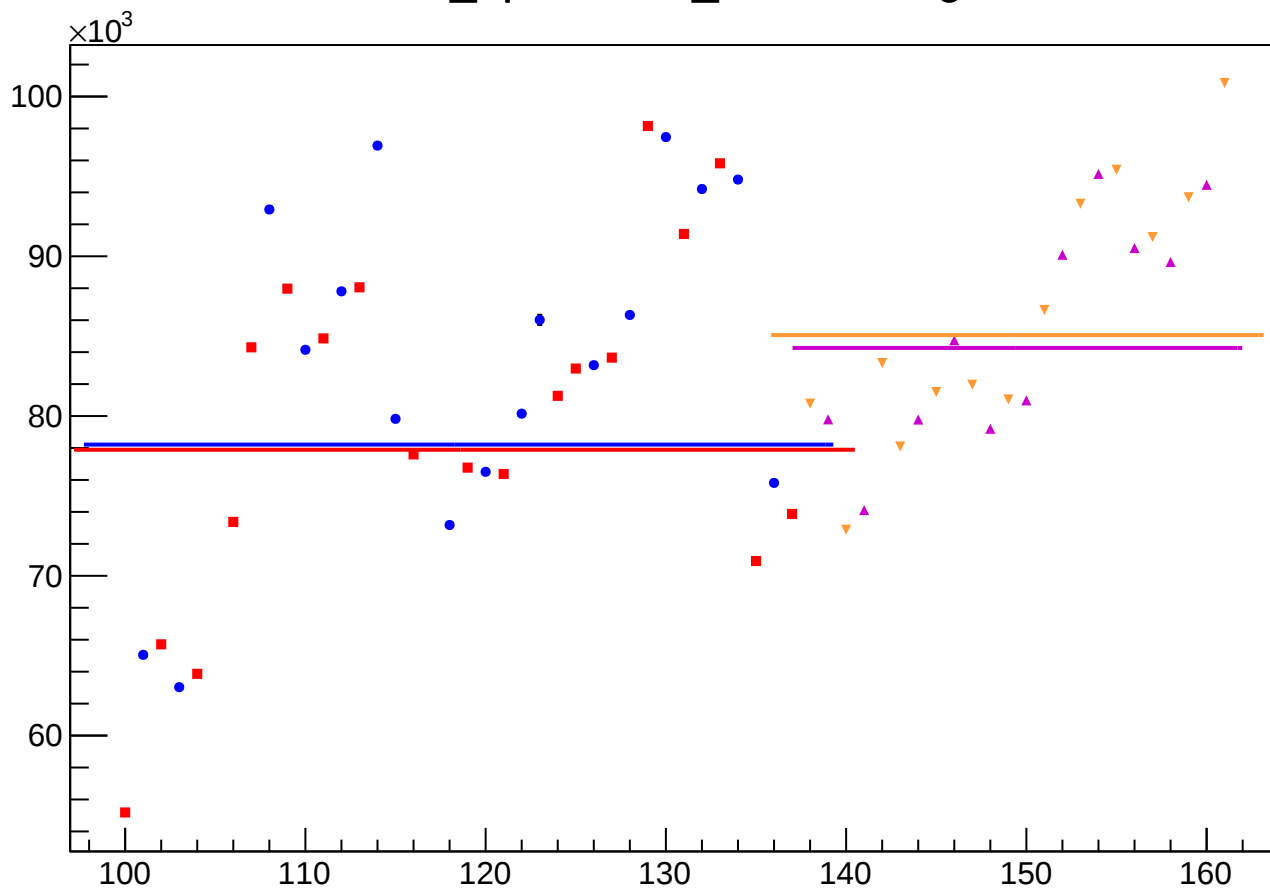
Right Out: -38.425 $\pm$ 29.435 χ^2 /NDF: 15.7/18

Left In: -40.964 $\pm$ 28.277 χ^2 /NDF:13.5/10

3.628 $\pm$ 20.336 χ^2 /NDF: 35.5/29

-39.746 $\pm$ 20.392 χ^2 /NDF: 29.3/29

diff_bpm0r05X_rms vs Slug



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

Left Out: 85067.705 ± 19.330 χ^2/NDF : 160105.0/12

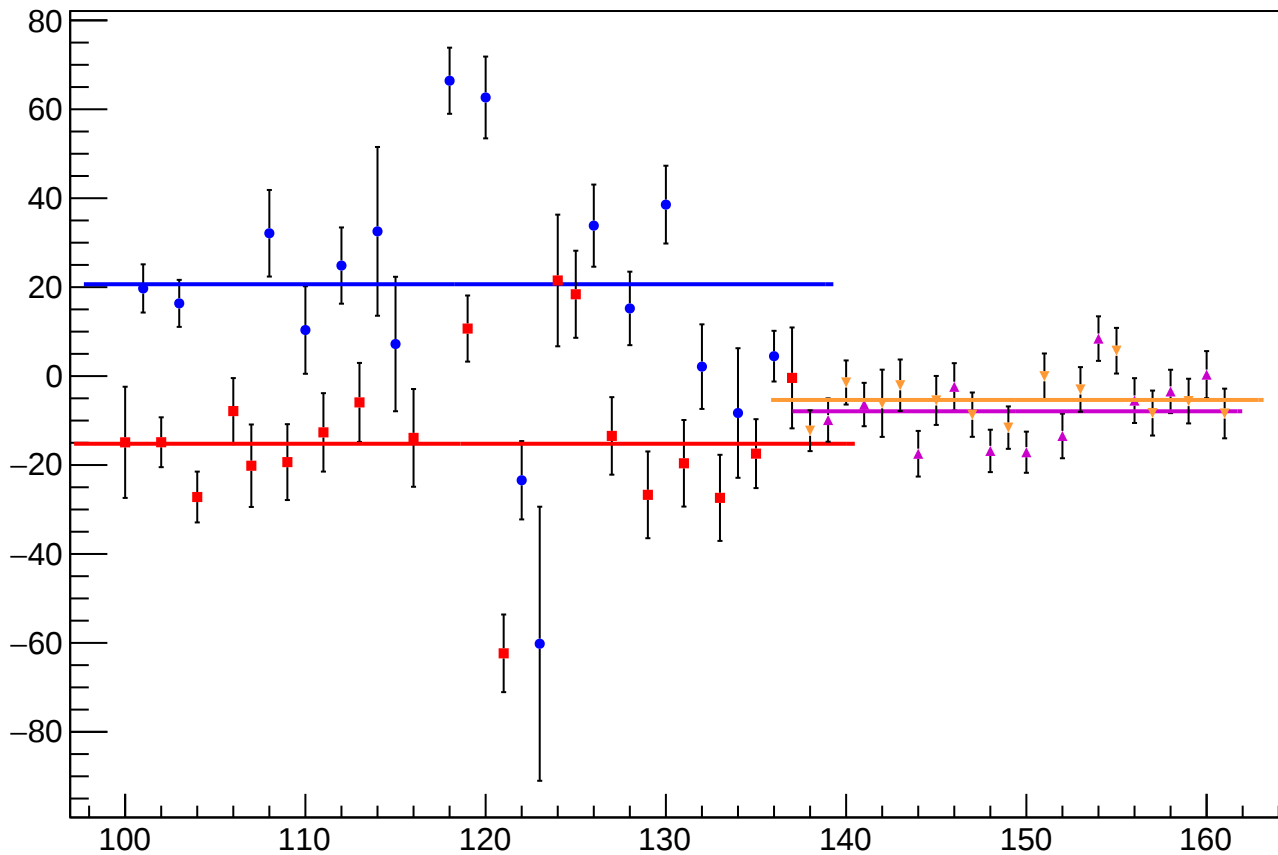
Right Out: 77891.938 ± 20.814 χ^2/NDF : 246970.2/18

Left In: 84263.272 ± 19.995 χ^2/NDF : 111744.8/10

82006.647 ± 14.380 χ^2/NDF : 467320.4/29

81205.404 ± 14.419 χ^2/NDF : 407447.1/29

diff_bpm0r05Y_mean vs Slug



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

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

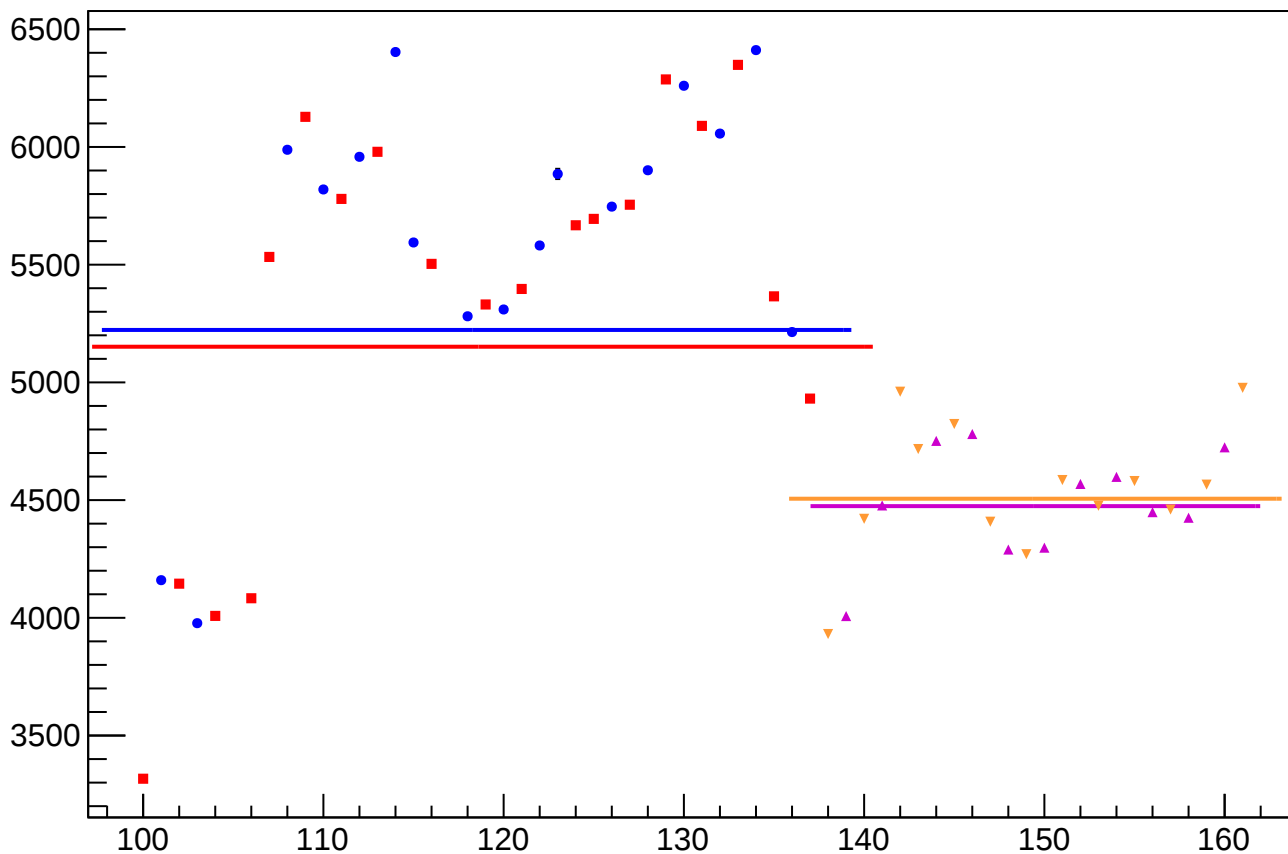
Right Out: -15.216 ± 1.955 χ^2/NDF : 71.3/18

Left In: -7.913 ± 1.499 χ^2/NDF : 27.6/10

3.348 ± 1.178 χ^2/NDF : 238.4/29

-10.617 ± 1.189 χ^2/NDF : 107.7/29

diff_bpm0r05Y_rms vs Slug



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

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

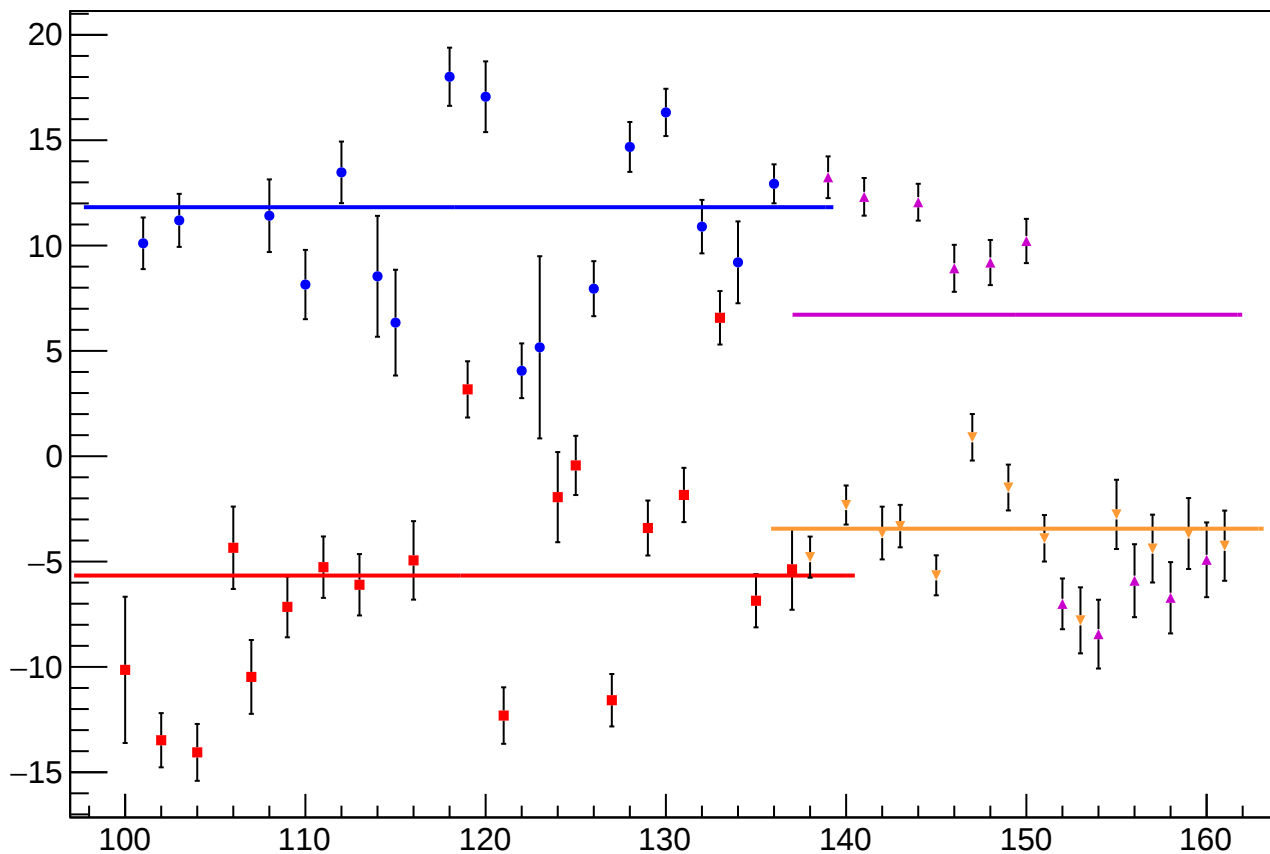
Right Out: 5151.532 $\pm$ 1.382 χ^2 /NDF: 387685.6/18

Left In: 4474.422 $\pm$ 1.060 χ^2 /NDF: 43428.2/10

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

4725.147 $\pm$ 0.841 χ^2 /NDF: 582235.5/29

diff_bpm2i01X_mean vs Slug



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

Left Out: -3.439 ± 0.328 χ^2/NDF : 36.2/12

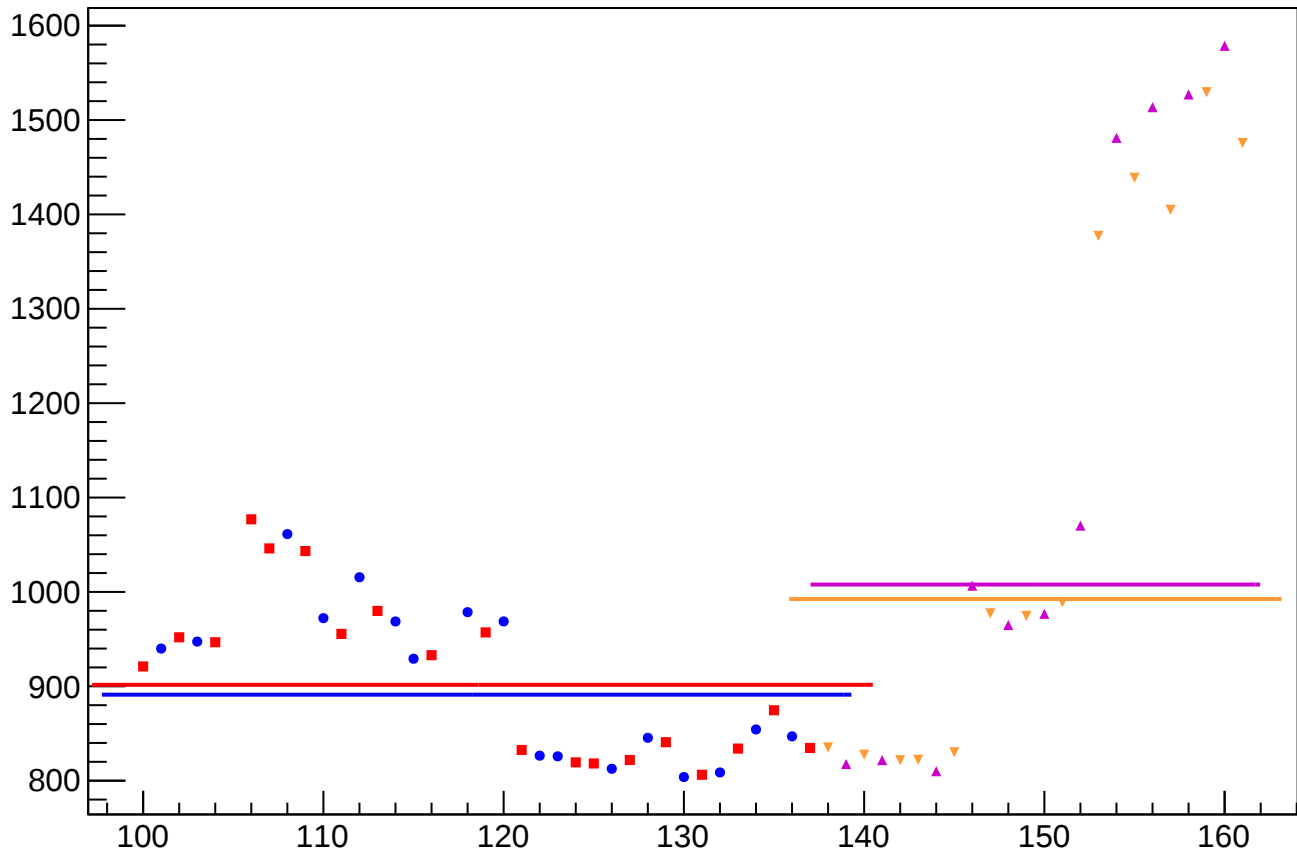
Right Out: -5.663 ± 0.338 χ^2/NDF : 300.1/18

Left In: 6.717 ± 0.349 χ^2/NDF : 515.3/10

3.810 ± 0.237 χ^2/NDF : 1183.2/29

0.342 ± 0.243 χ^2/NDF : 1464.4/29

diff_bpm2i01X_rms vs Slug



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

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

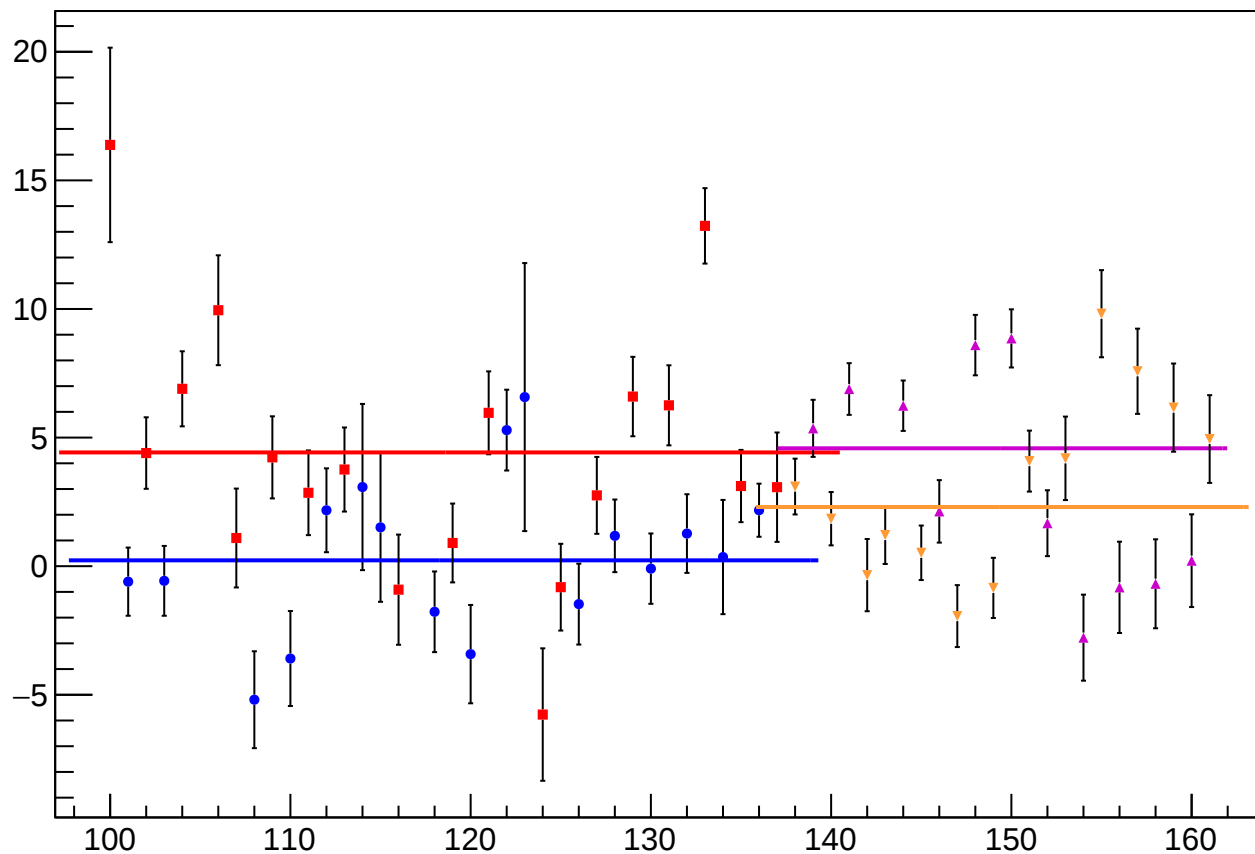
Right Out: 901.588 ± 0.239 $\chi^2/\text{NDF}: 114590.8/18$

Left In: 1007.843 ± 0.247 $\chi^2/\text{NDF}: 1006735.9/10$

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

953.131 ± 0.172 $\chi^2/\text{NDF}: 1216940.9/29$

diff_bpm2i01Y_mean vs Slug



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

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

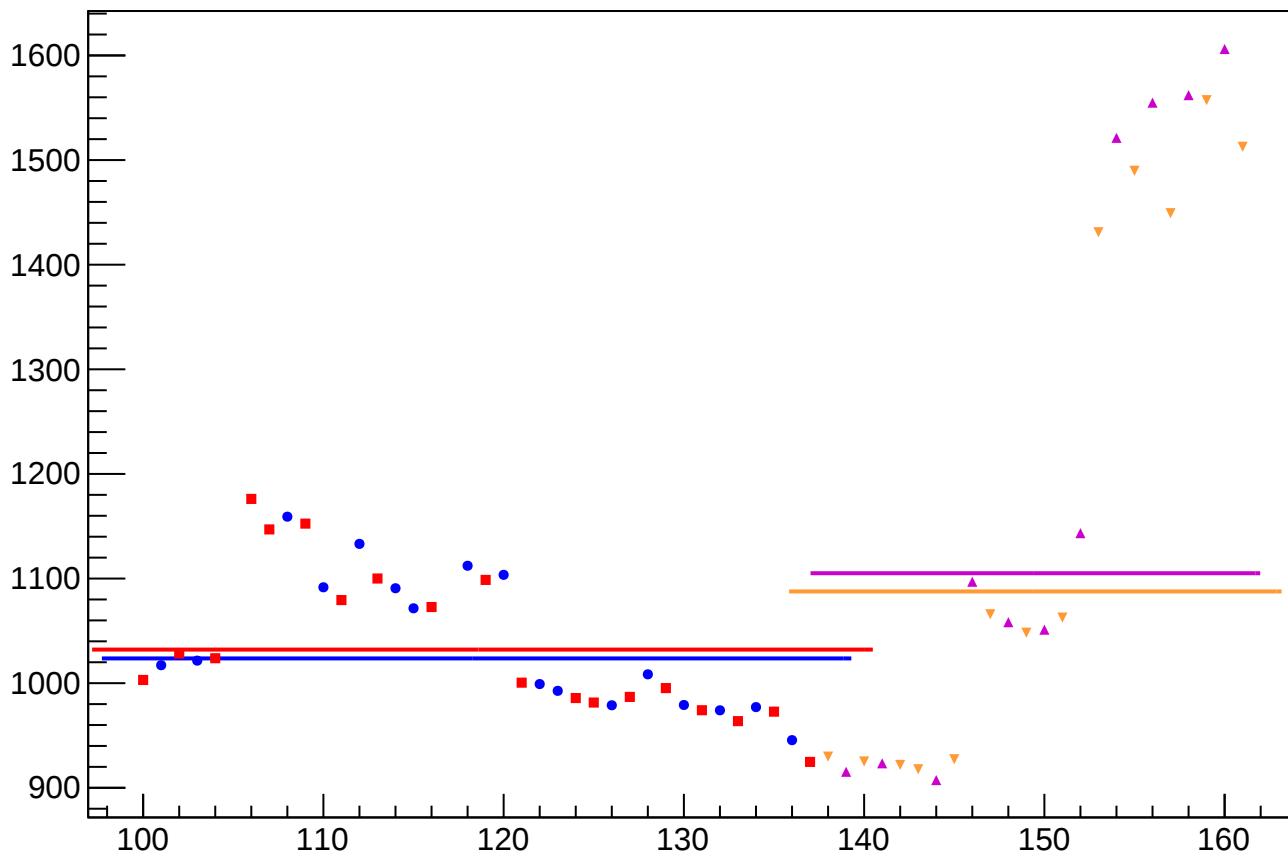
Right Out: 4.423 ± 0.387 χ^2/NDF : 103.3/18

Left In: 4.583 ± 0.379 χ^2/NDF : 87.6/10

1.370 ± 0.265 χ^2/NDF : 122.3/29

4.505 ± 0.271 χ^2/NDF : 191.0/29

diff_bpm2i01Y_rms vs Slug



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

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

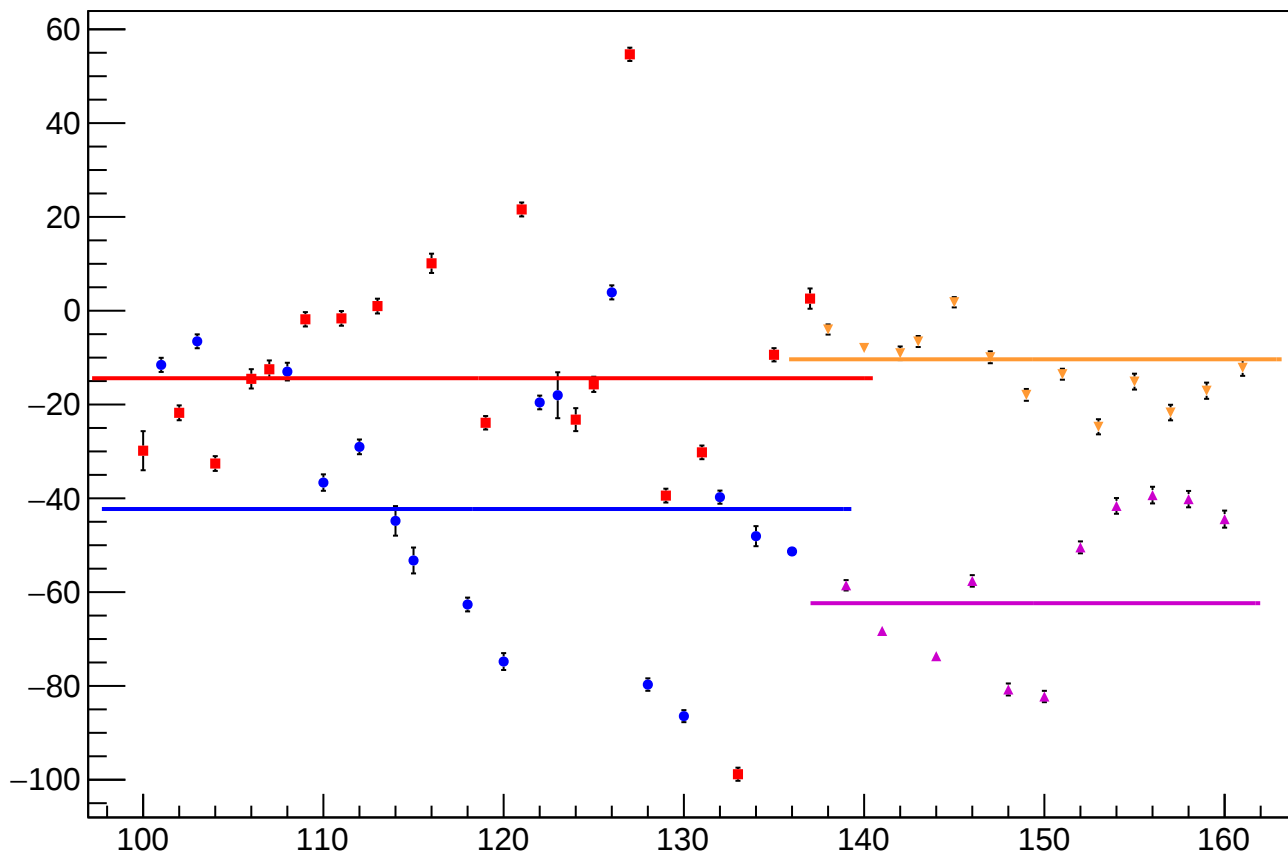
Right Out: 1032.107+/-0.273 χ^2/NDF : 59391.6/18

Left In: 1105.096+/-0.268 χ^2/NDF : 761476.1/10

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

1069.323+/-0.191 χ^2/NDF : 857195.1/29

diff_bpm2i02X_mean vs Slug



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

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

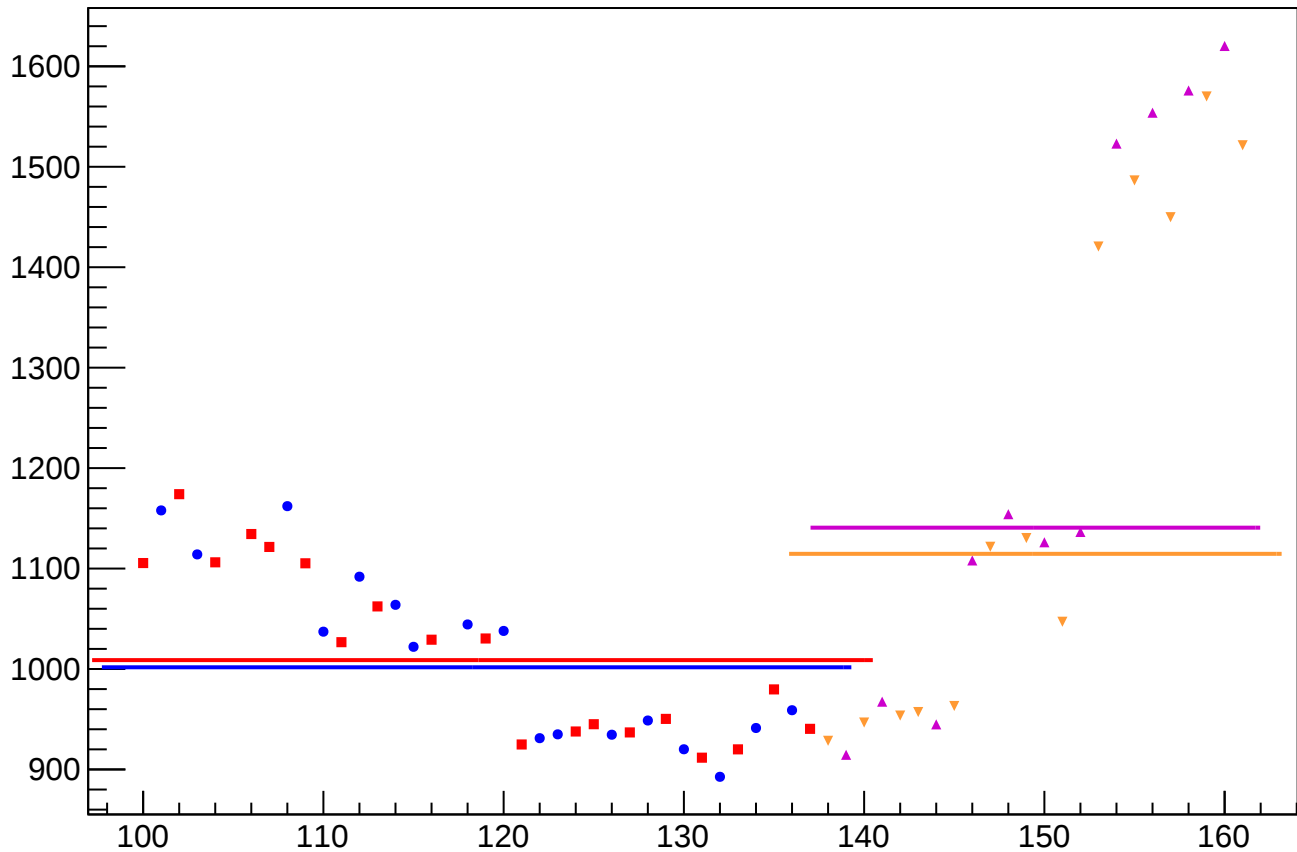
Right Out: -14.393 ± 0.378 χ^2/NDF : 7669.8/18

Left In: -62.358 ± 0.391 χ^2/NDF : 1324.6/10

-25.362 ± 0.265 χ^2/NDF : 9097.3/29

-37.614 ± 0.272 χ^2/NDF : 16770.5/29

diff_bpm2i02X_rms vs Slug



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

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

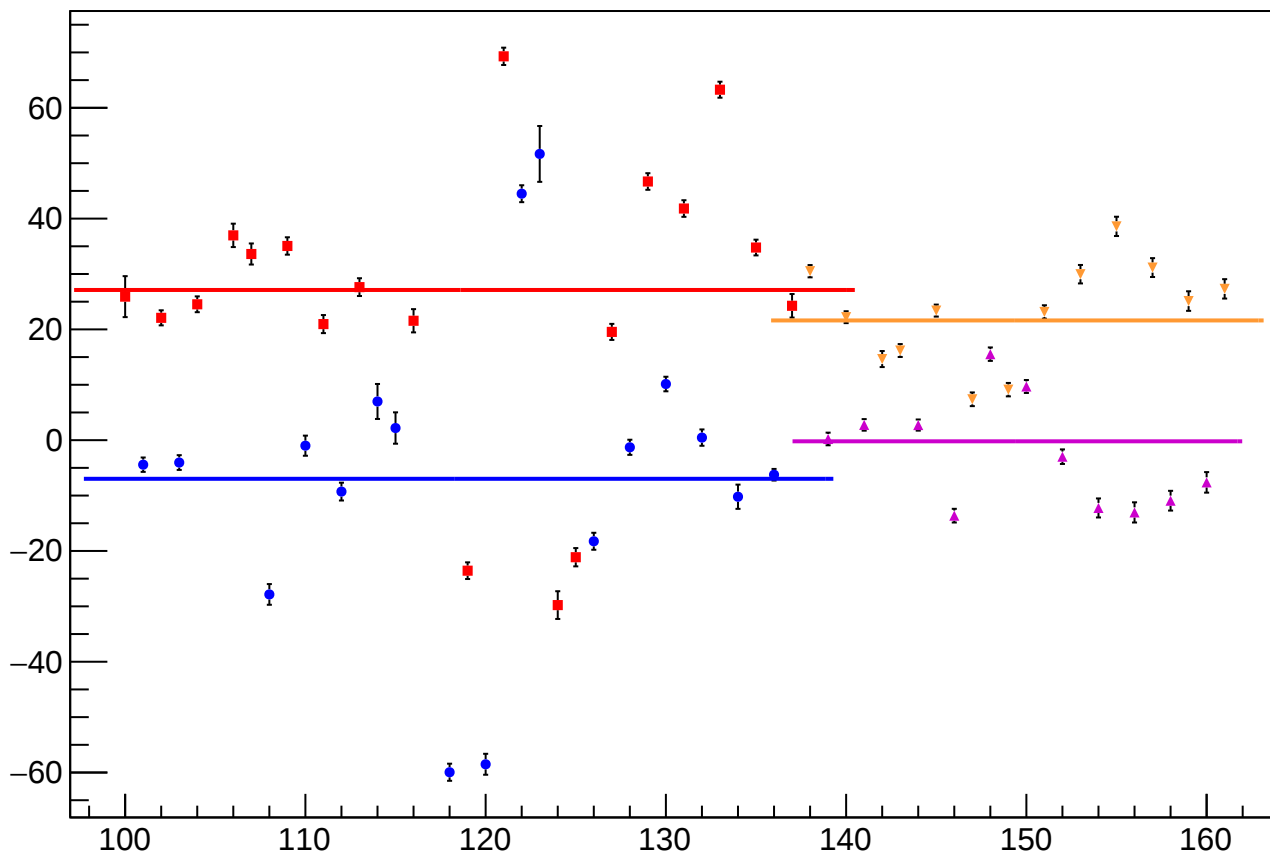
Right Out: 1008.848 $\pm$ 0.268 χ^2 /NDF: 95349.9/18

Left In: 1140.709 $\pm$ 0.276 χ^2 /NDF: 688617.9/10

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

1072.685 $\pm$ 0.192 χ^2 /NDF: 901506.0/29

diff_bpm2i02Y_mean vs Slug



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

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

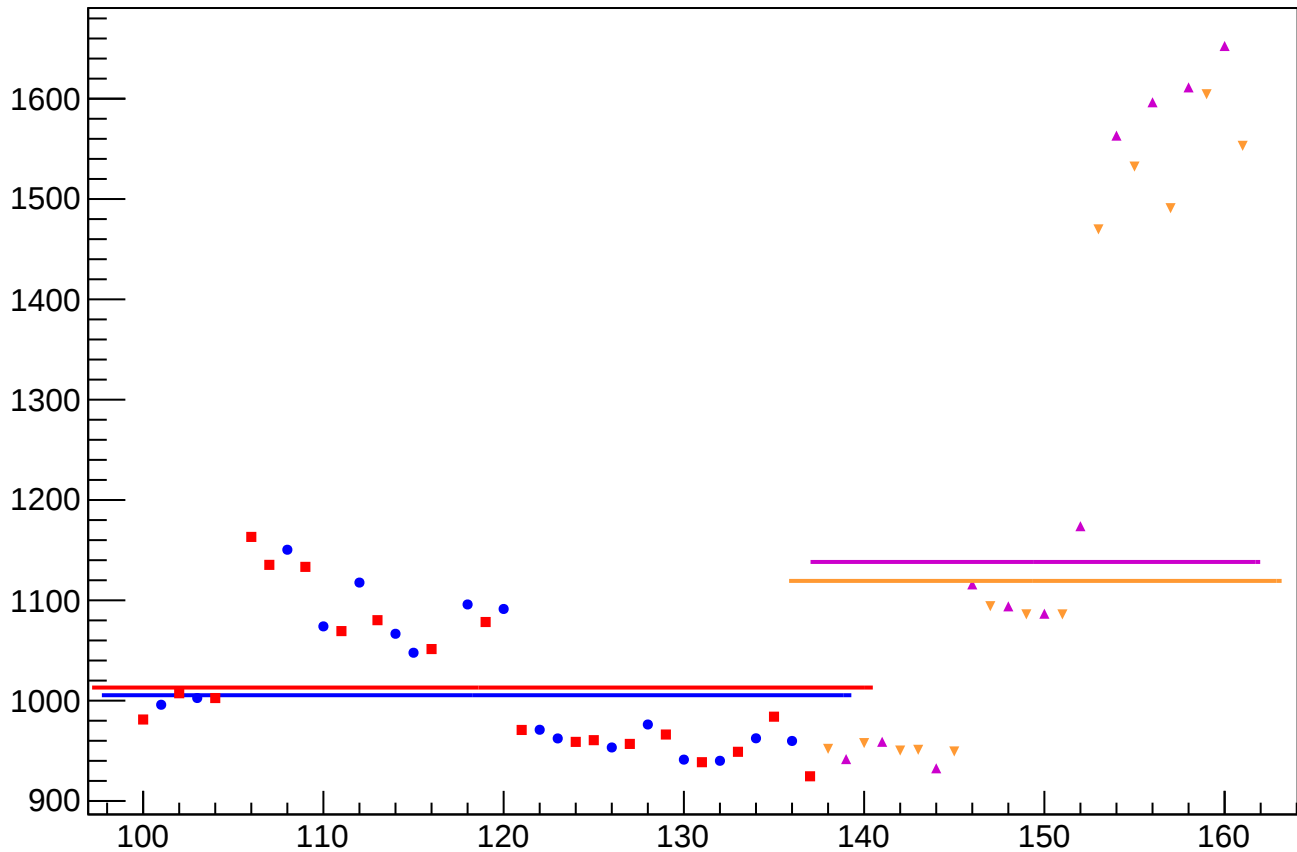
Right Out: 27.116 ± 0.380 χ^2/NDF : 4283.5/18

Left In: -0.206 ± 0.390 χ^2/NDF : 529.5/10

8.128 ± 0.266 χ^2/NDF : 7023.9/29

13.838 ± 0.272 χ^2/NDF : 7330.8/29

diff_bpm2i02Y_rms vs Slug



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

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

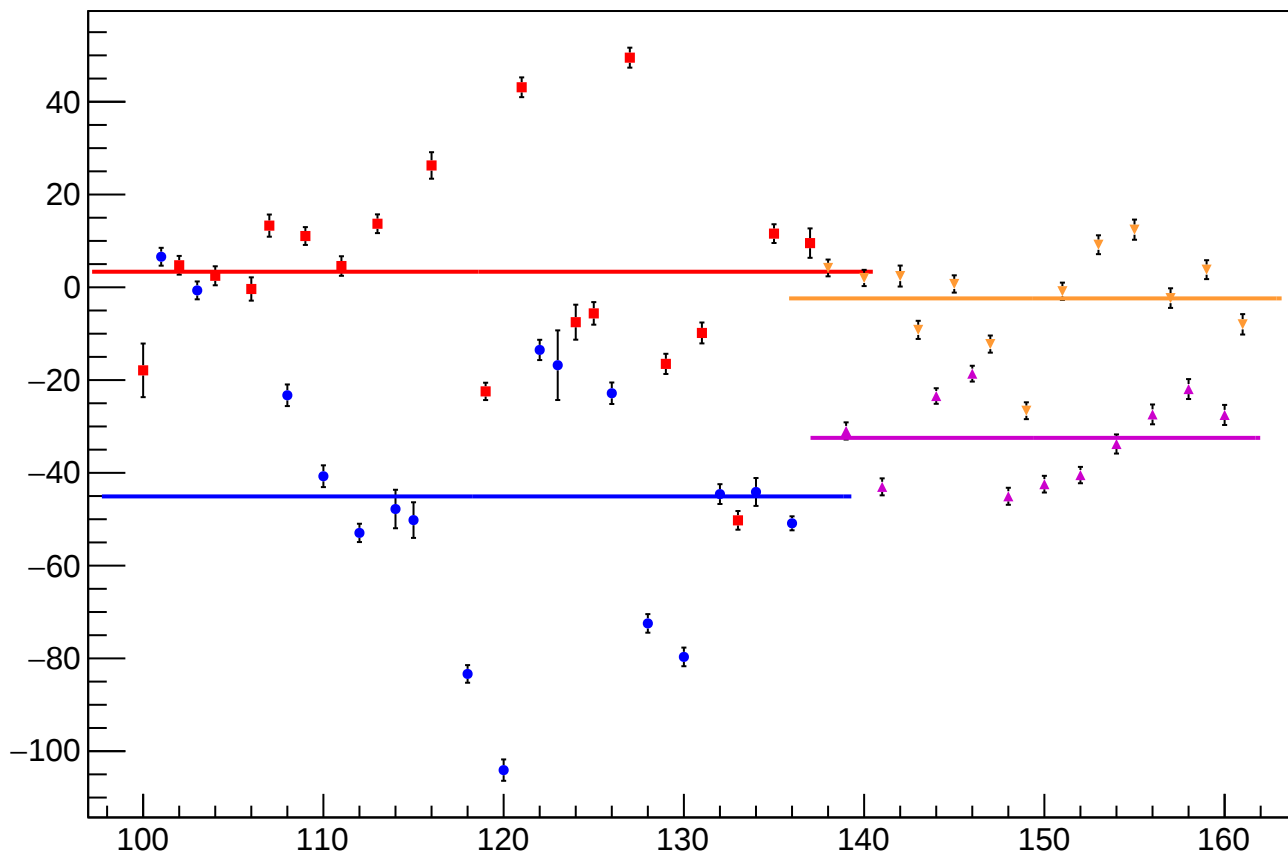
Right Out: 1013.064+/-0.268 χ^2/NDF : 63265.7/18

Left In: 1138.255+/-0.276 χ^2/NDF : 753873.0/10

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

1073.905+/-0.192 χ^2/NDF : 922861.0/29

diff_bpm0i02X_mean vs Slug



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

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

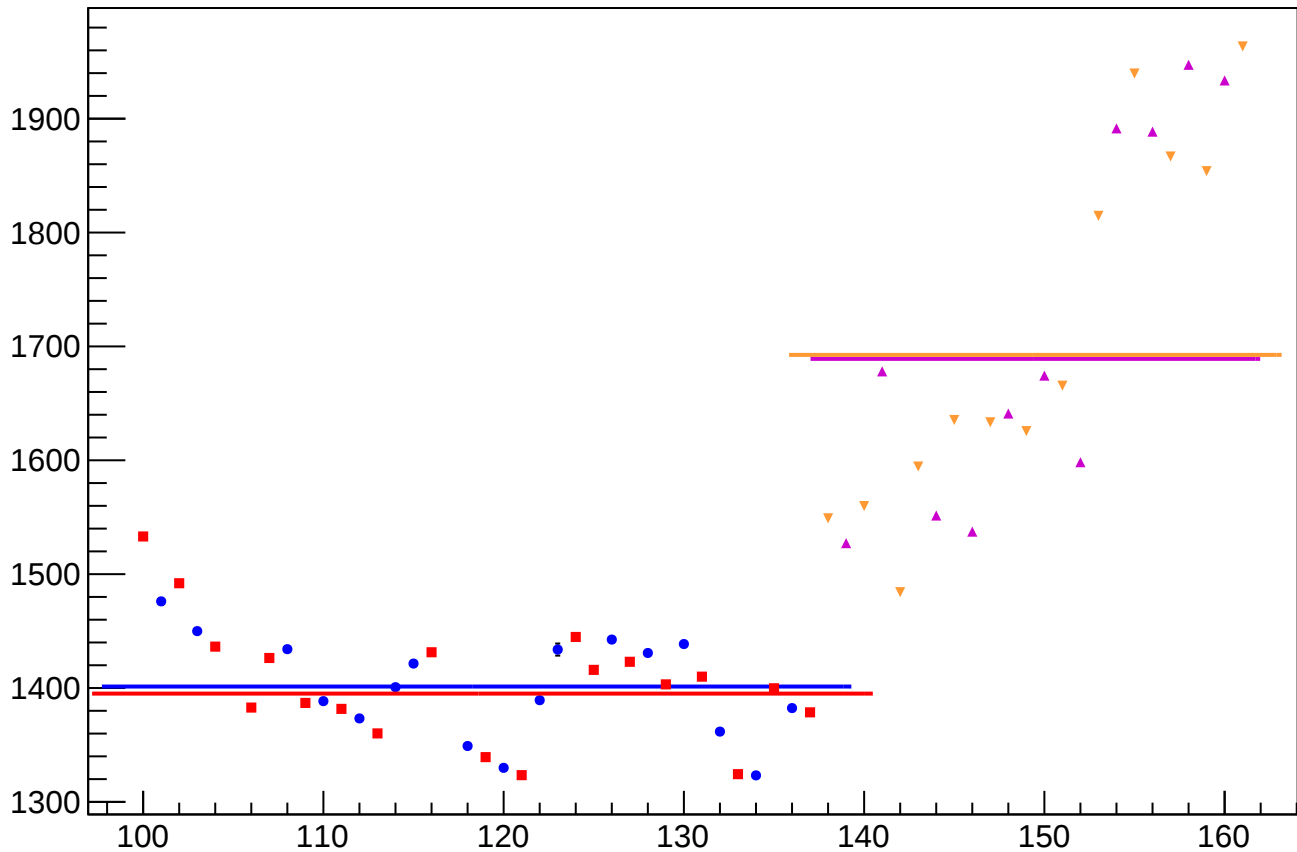
Right Out: 3.358+/-0.522 χ^2/NDF : 2005.7/18

Left In: -32.459+/-0.568 χ^2/NDF :262.6/10

-23.877+/-0.383 χ^2/NDF : 6686.3/29

-13.042+/-0.384 χ^2/NDF : 4425.4/29

diff_bpm0i02X_rms vs Slug



Right In: 1401.307 $\pm$ 0.382 χ^2 /NDF: 12852.1/16

Left Out: 1692.562 $\pm$ 0.384 χ^2 /NDF: 142745.1/12

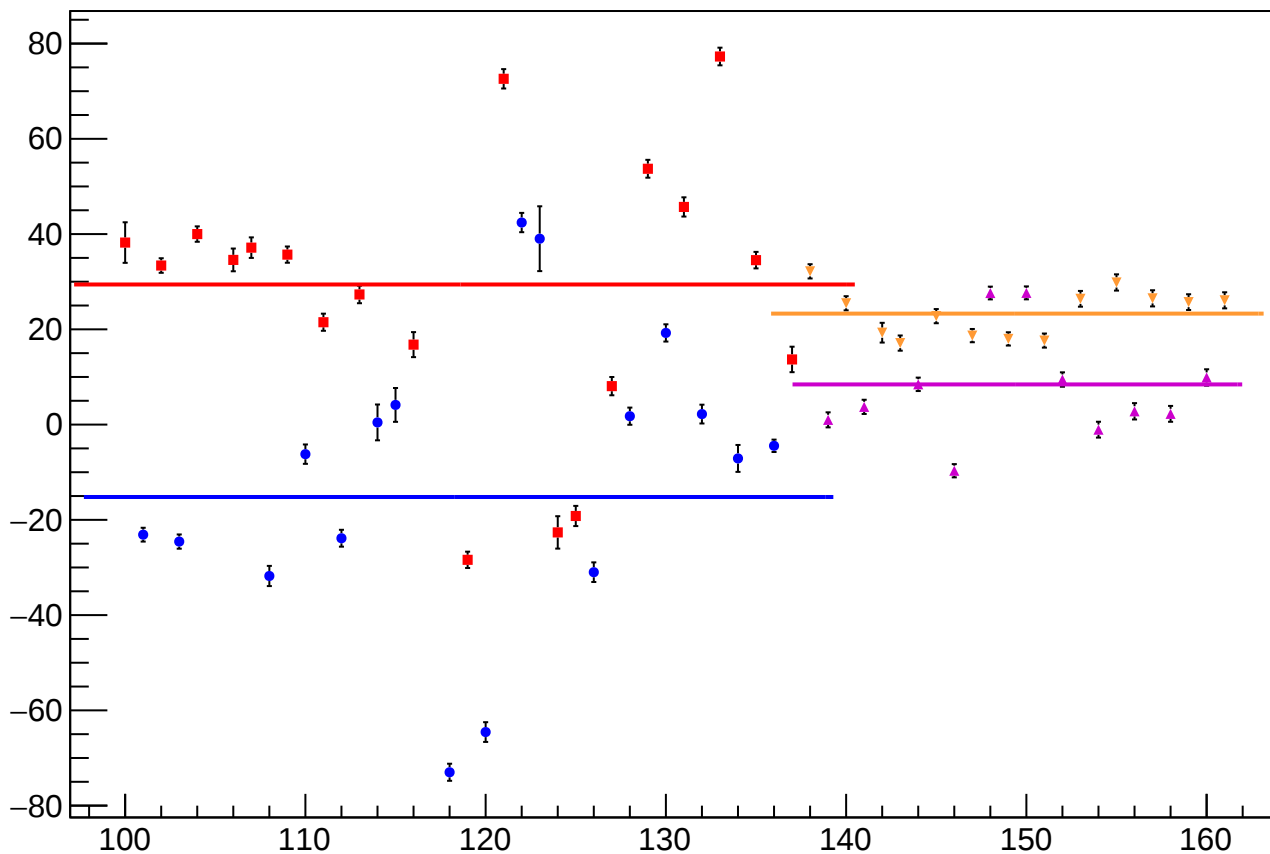
Right Out: 1395.105 $\pm$ 0.369 χ^2 /NDF: 15520.0/18

Left In: 1689.064 $\pm$ 0.401 χ^2 /NDF: 142664.7/10

1545.975 $\pm$ 0.271 χ^2 /NDF: 444918.0/29

1529.700 $\pm$ 0.272 χ^2 /NDF: 448797.3/29

diff_bpm0i02Y_mean vs Slug



Right In: -15.202 ± 0.472 $\chi^2/\text{NDF}: 3362.5/16$

Left Out: 23.302 ± 0.437 $\chi^2/\text{NDF}: 122.8/12$

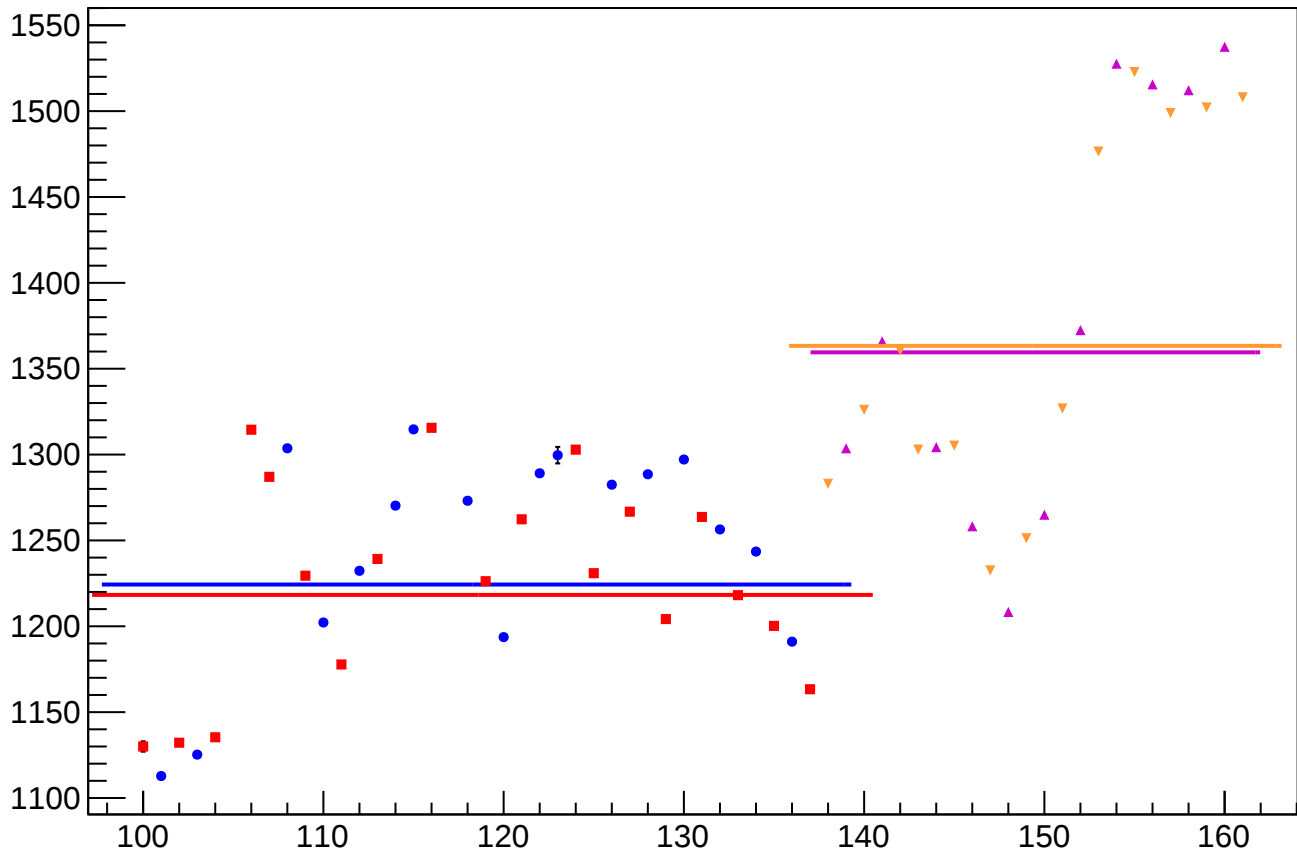
Right Out: 29.418 ± 0.456 $\chi^2/\text{NDF}: 3544.8/18$

Left In: 8.434 ± 0.456 $\chi^2/\text{NDF}: 664.3/10$

5.526 ± 0.321 $\chi^2/\text{NDF}: 7066.1/29$

18.930 ± 0.323 $\chi^2/\text{NDF}: 5266.6/29$

diff_bpm0i02Y_rms vs Slug



Right In: 1224.320 ± 0.334 $\chi^2/\text{NDF}: 38778.2/16$

Left Out: 1363.294 ± 0.309 $\chi^2/\text{NDF}: 113007.0/12$

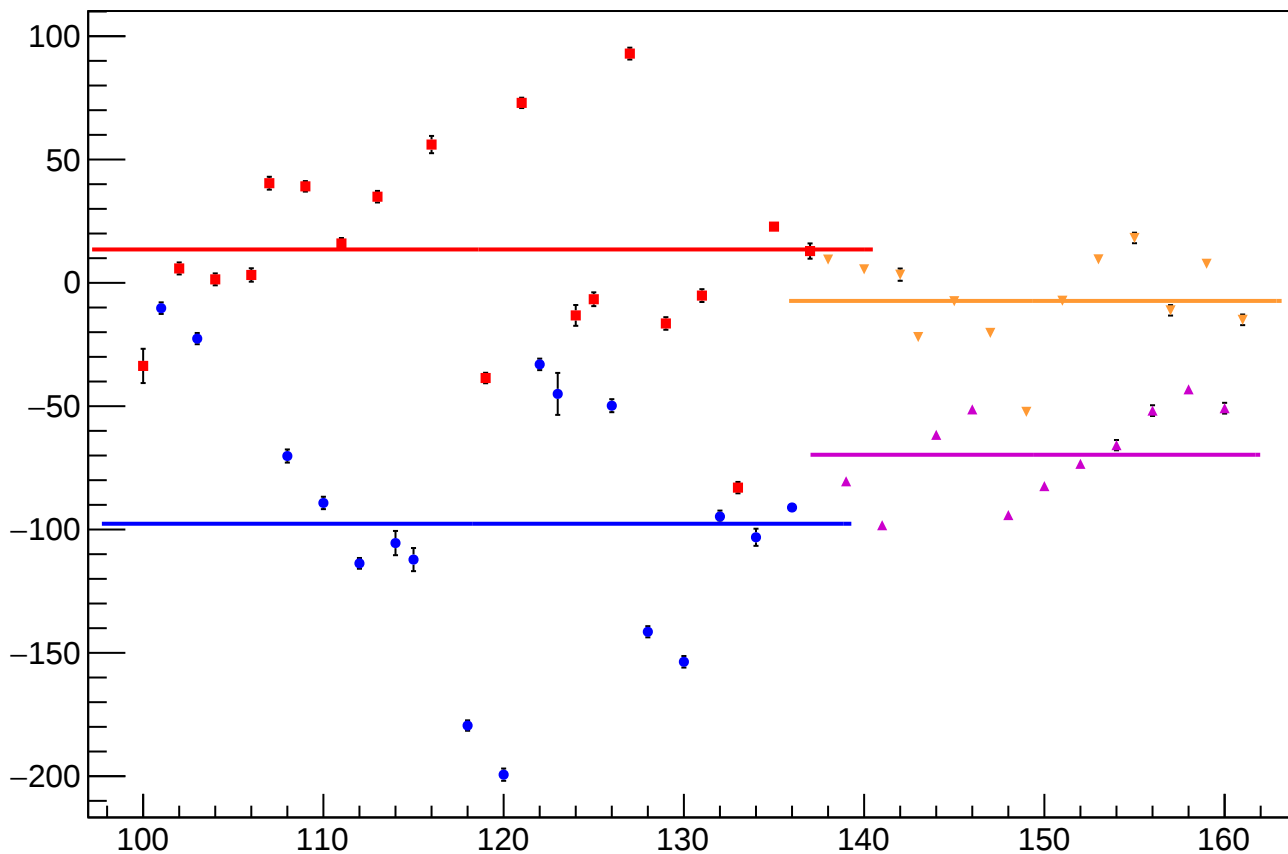
Right Out: 1218.276 ± 0.323 $\chi^2/\text{NDF}: 27572.9/18$

Left In: 1359.526 ± 0.323 $\chi^2/\text{NDF}: 126556.1/10$

1299.134 ± 0.227 $\chi^2/\text{NDF}: 245078.9/29$

1288.871 ± 0.228 $\chi^2/\text{NDF}: 249958.8/29$

diff_bpm0i02aX_mean vs Slug



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

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

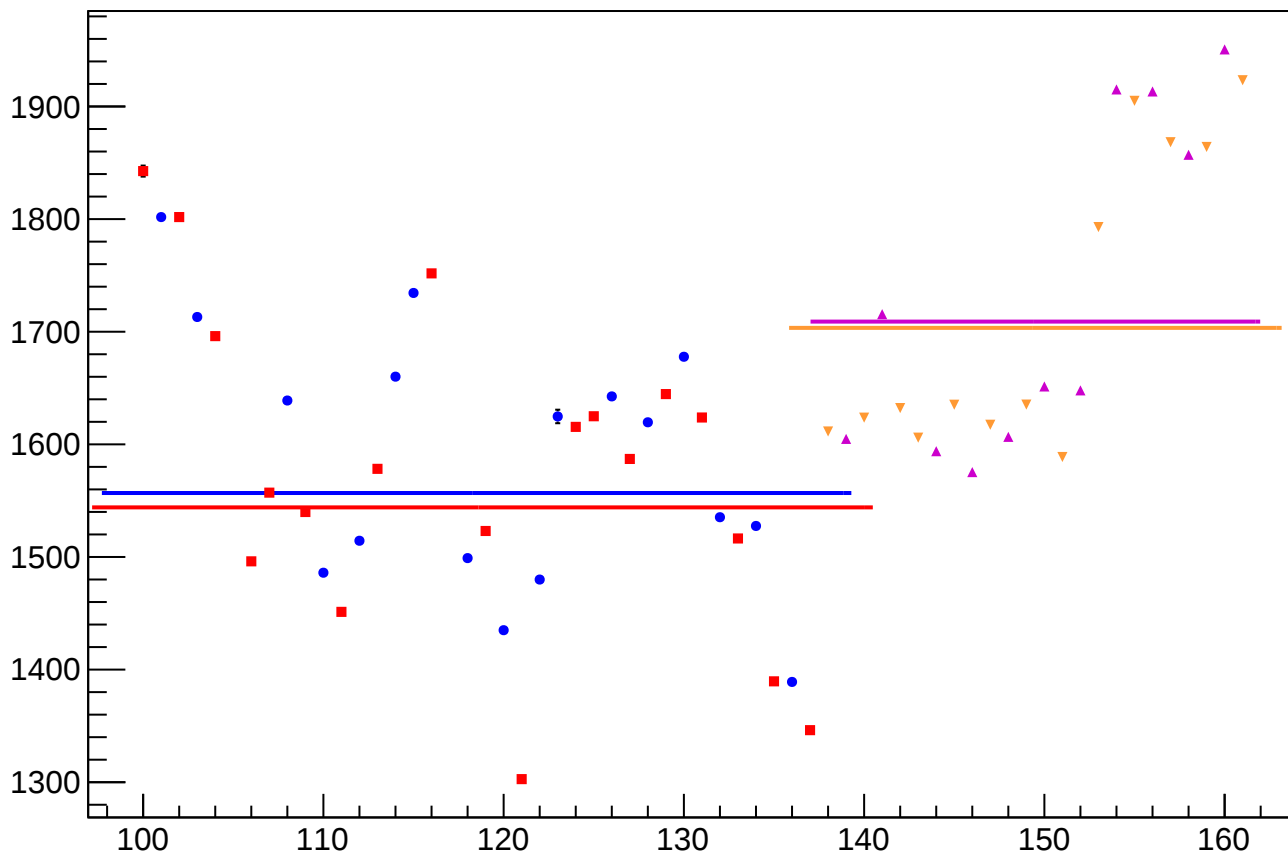
Right Out: 13.538 ± 0.579 χ^2/NDF : 5128.2/18

Left In: -69.693 ± 0.574 χ^2/NDF : 953.5/10

-48.171 ± 0.404 χ^2/NDF : 21442.7/29

-28.495 ± 0.408 χ^2/NDF : 16503.8/29

diff_bpm0i02aX_rms vs Slug



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

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

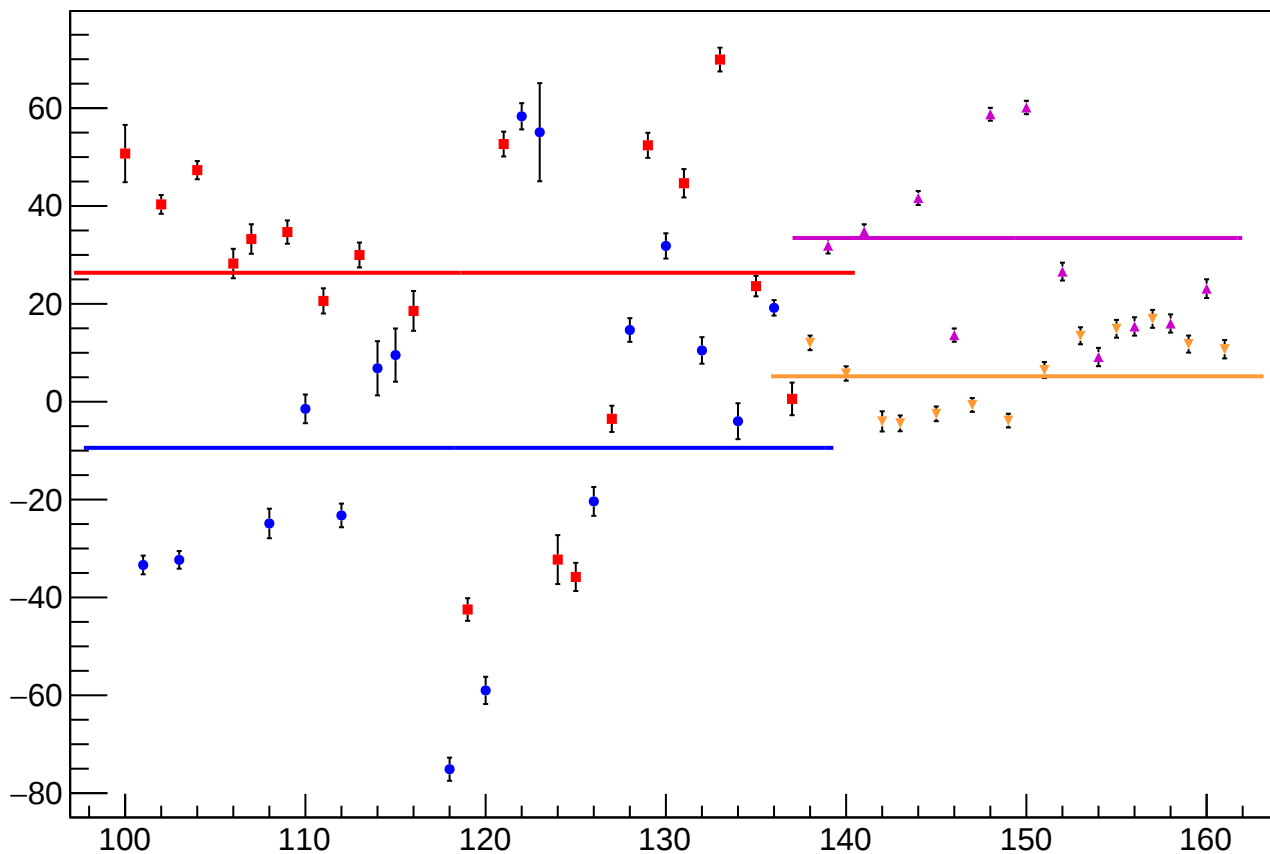
Right Out: 1544.034 $\pm$ 0.410 χ^2 /NDF: 100501.7/18

Left In: 1709.003 $\pm$ 0.406 χ^2 /NDF:109676.1/10

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

1627.346 $\pm$ 0.288 χ^2 /NDF: 292066.1/29

diff_bpm0i02aY_mean vs Slug



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

Left Out: 5.197+/-0.452 χ^2 /NDF:277.2/12

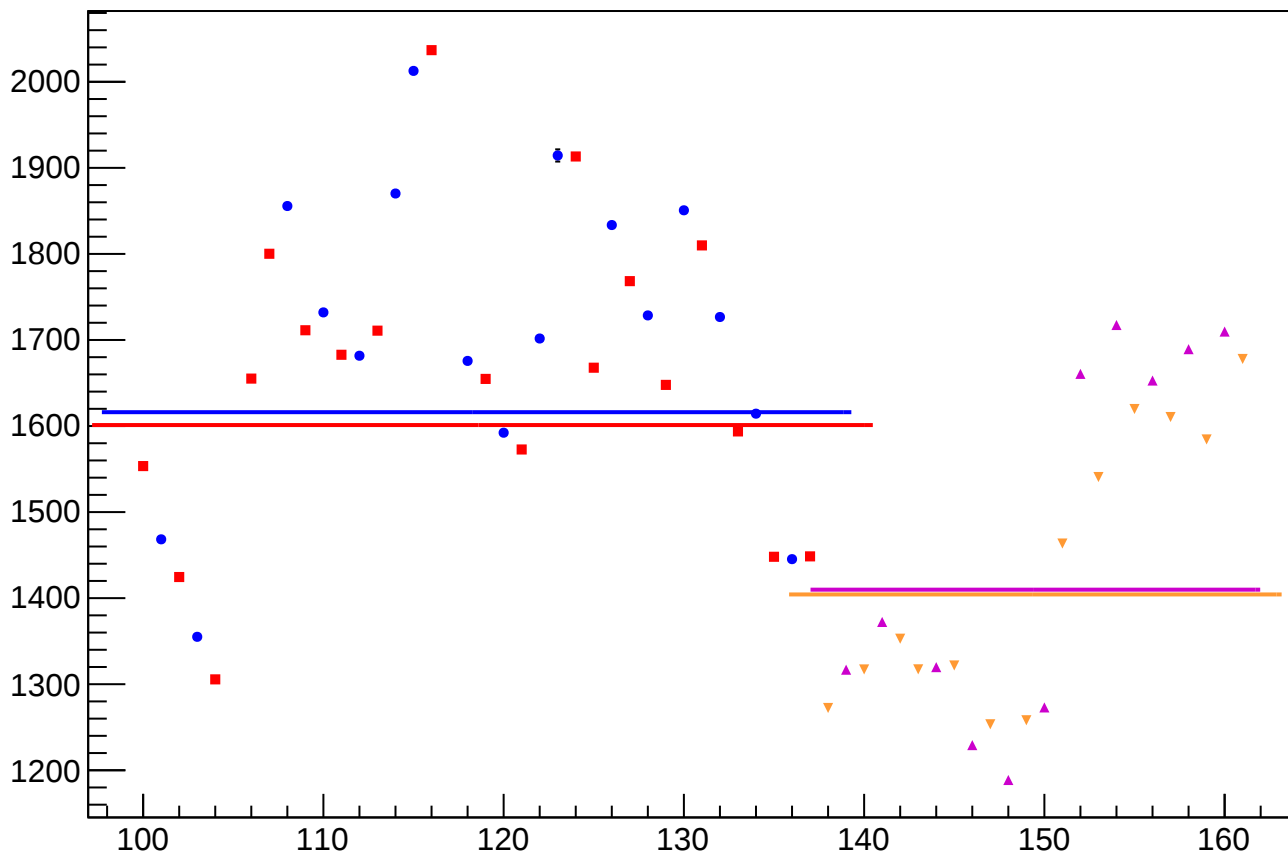
Right Out: 26.354+/-0.603 χ^2 /NDF: 2472.1/18

Left In: 33.464+/-0.477 χ^2 /NDF:1385.0/10

0.189+/-0.367 χ^2 /NDF: 3559.6/29

30.730+/-0.374 χ^2 /NDF: 3942.7/29

diff_bpm0i02aY_rms vs Slug



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

Left Out: 1404.300+/-0.320 χ^2/NDF : 212239.8/12

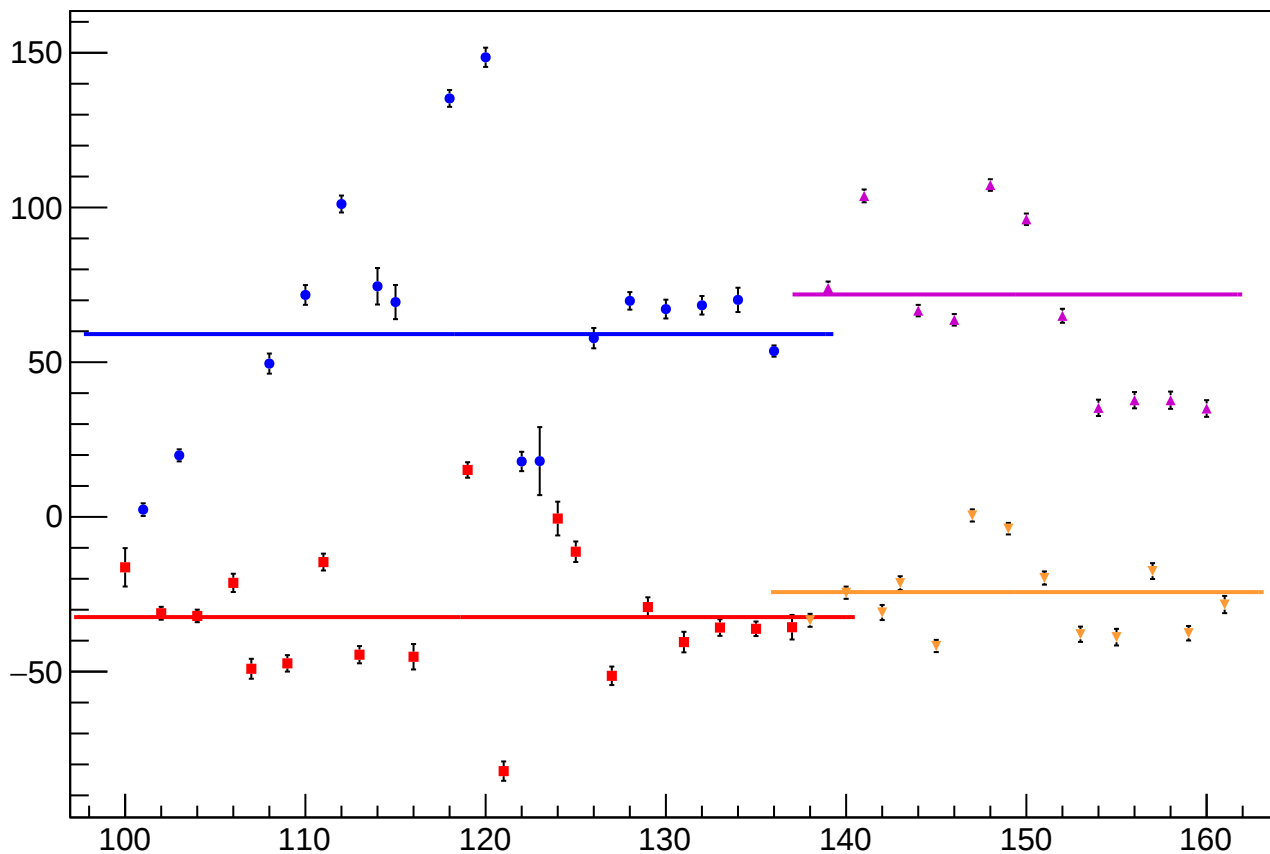
Right Out: 1601.134+/-0.426 χ^2/NDF : 153651.5/18

Left In: 1409.855+/-0.337 χ^2/NDF : 346420.2/10

1476.831+/-0.259 χ^2/NDF : 512150.0/29

1483.425+/-0.264 χ^2/NDF : 624001.4/29

diff_bpm0i05X_mean vs Slug



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

Left Out: -24.299 $\pm$ 0.616 χ^2 /NDF: 489.3/12

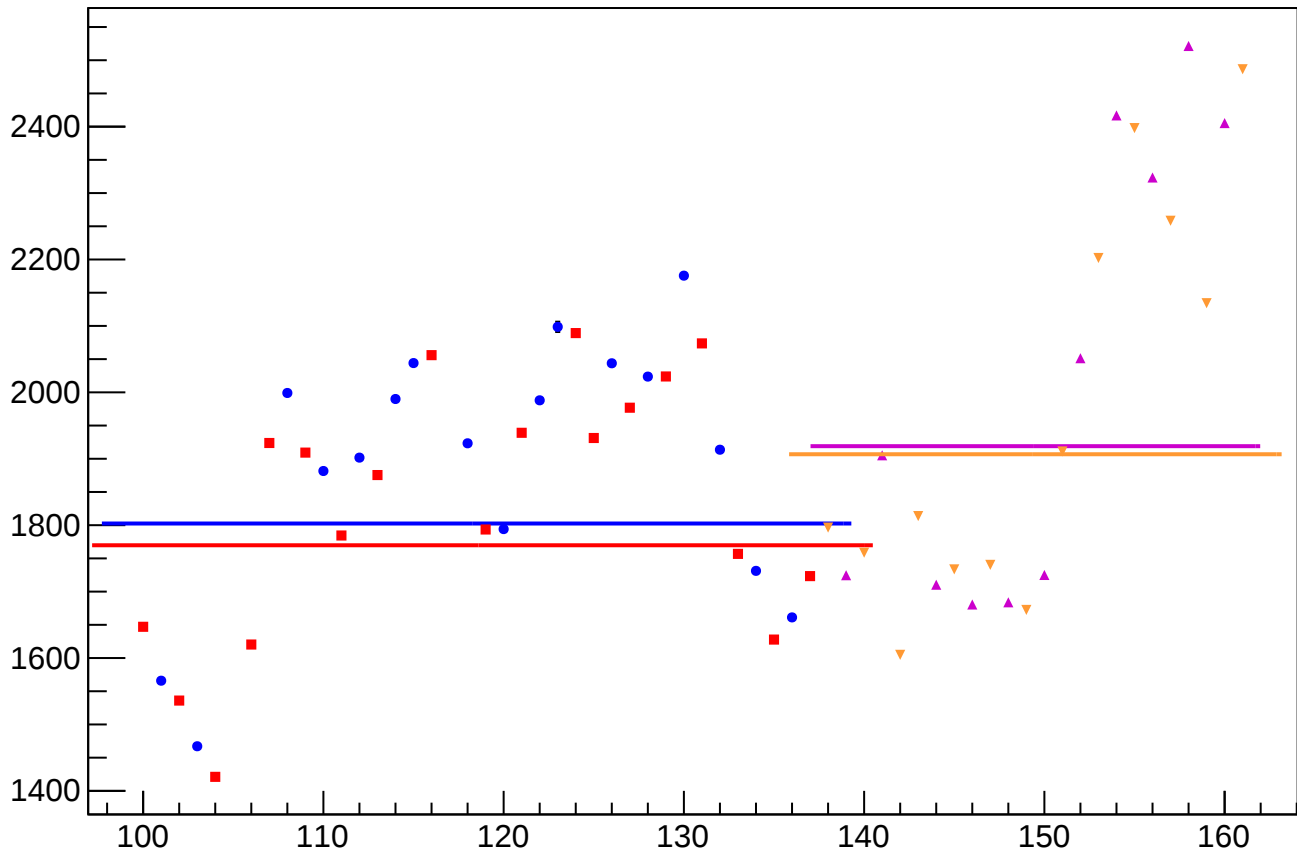
Right Out: -32.382 $\pm$ 0.666 χ^2 /NDF: 891.5/18

Left In: 71.895 $\pm$ 0.650 χ^2 /NDF: 1496.7/10

12.125 $\pm$ 0.462 χ^2 /NDF: 11785.6/29

21.030 $\pm$ 0.465 χ^2 /NDF: 14926.5/29

diff_bpm0i05X_rms vs Slug



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

Left Out: 1906.802+/-0.436 χ^2/NDF : 350132.5/12

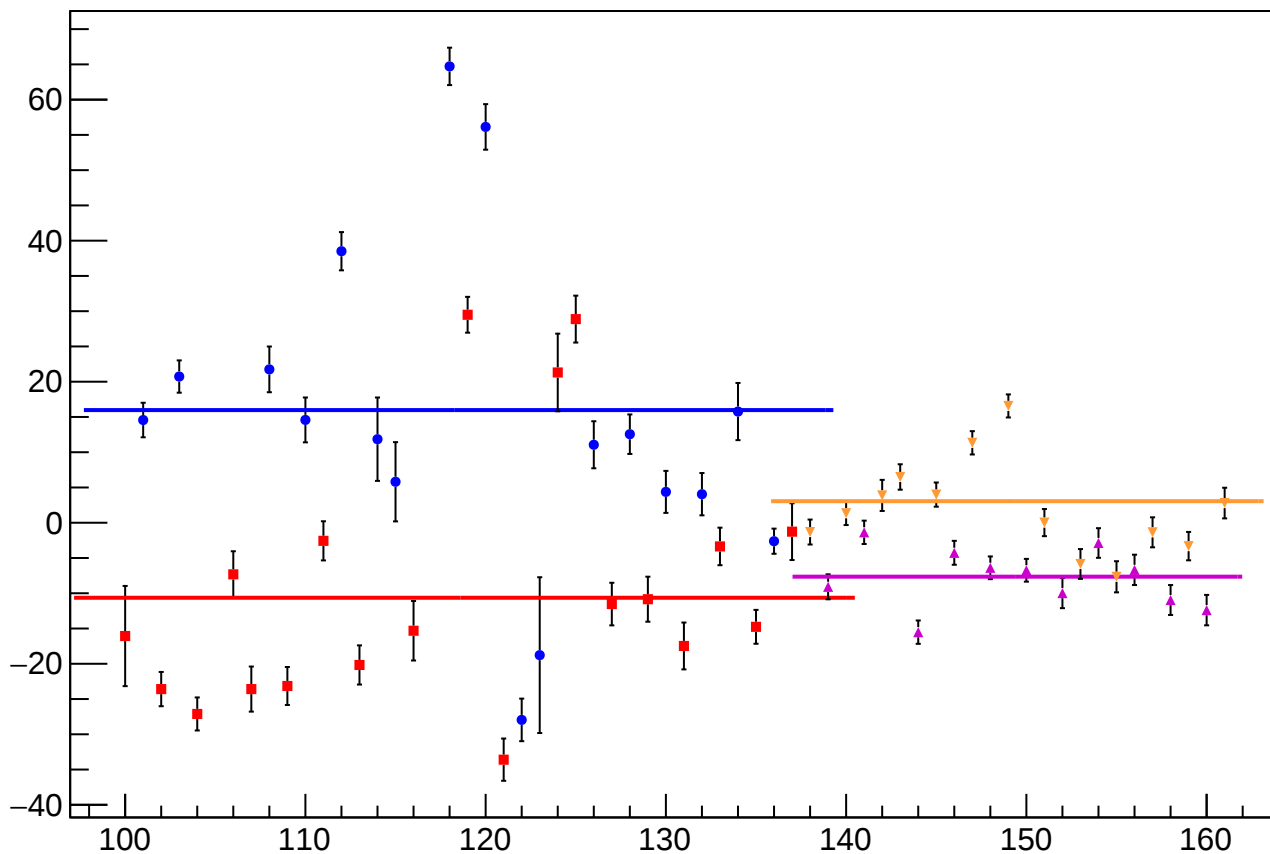
Right Out: 1769.772+/-0.471 χ^2/NDF : 177893.4/18

Left In: 1918.954+/-0.460 χ^2/NDF : 412542.8/10

1861.249+/-0.327 χ^2/NDF : 559234.9/29

1846.185+/-0.329 χ^2/NDF : 641761.4/29

diff_bpm0i05Y_mean vs Slug



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

Left Out: 3.056+/-0.524 χ^2/NDF : 162.7/12

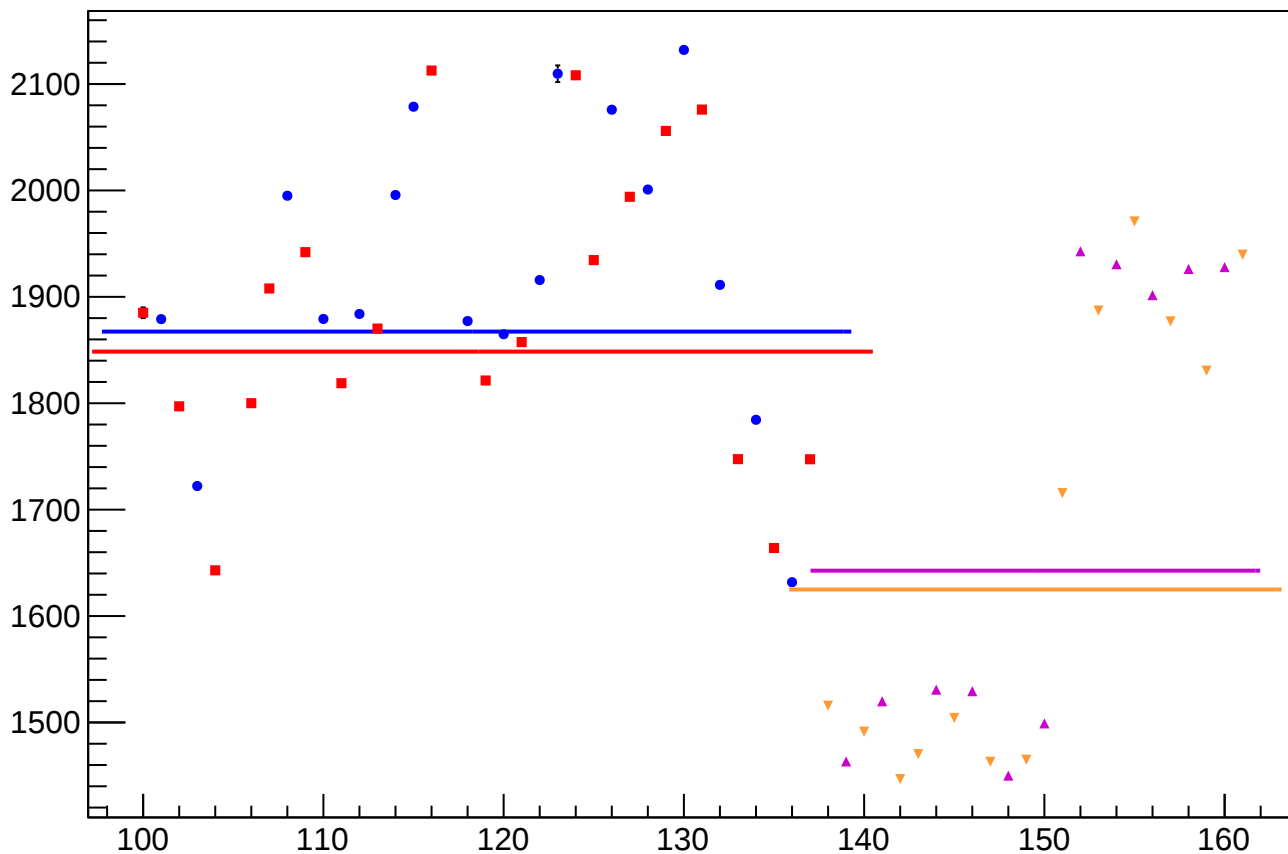
Right Out: -10.638+/-0.693 χ^2/NDF : 642.1/18

Left In: -7.647+/-0.554 χ^2/NDF : 56.4/10

7.511+/-0.424 χ^2/NDF : 1311.1/29

-8.811+/-0.433 χ^2/NDF : 709.9/29

diff_bpm0i05Y_rms vs Slug



Right In: 1867.343+/-0.510 χ^2/NDF : 80926.4/16

Left Out: 1624.973+/-0.370 χ^2/NDF : 271658.3/12

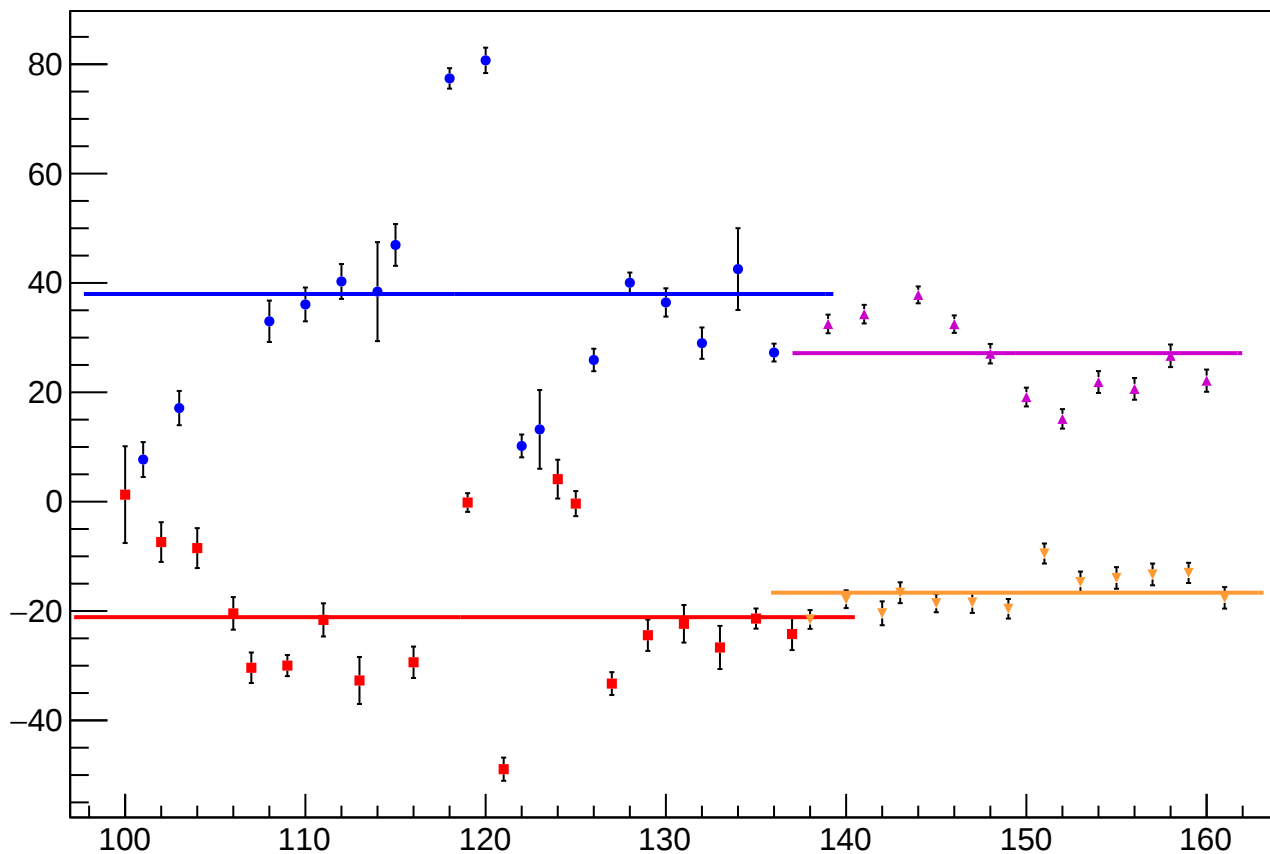
Right Out: 1848.532+/-0.490 χ^2/NDF : 72527.3/18

Left In: 1642.655+/-0.391 χ^2/NDF : 270645.3/10

1708.546+/-0.300 χ^2/NDF : 500403.4/29

1722.798+/-0.306 χ^2/NDF : 450866.4/29

diff_bpm0i07X_mean vs Slug



Right In: 37.979 $\pm$ 0.637 χ^2 /NDF: 1204.3/16

Left Out: -16.650 $\pm$ 0.514 χ^2 /NDF: 41.7/12

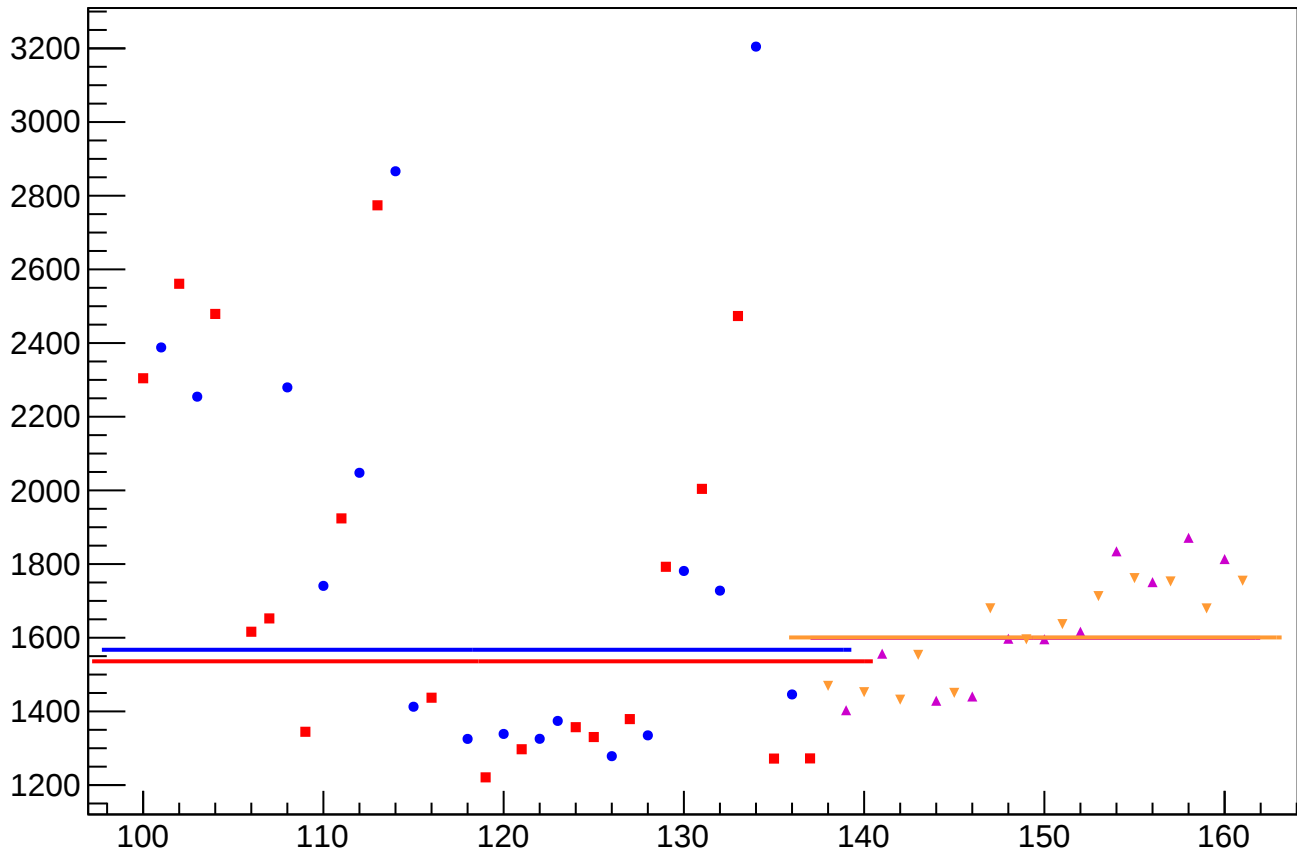
Right Out: -21.124 $\pm$ 0.608 χ^2 /NDF: 573.6/18

Left In: 27.163 $\pm$ 0.538 χ^2 /NDF: 177.4/10

4.878 $\pm$ 0.400 χ^2 /NDF: 5697.2/29

5.957 $\pm$ 0.403 χ^2 /NDF: 4284.5/29

diff_bpm0i07X_rms vs Slug



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

Left Out: 1600.776 ± 0.363 χ^2/NDF : 110102.1/12

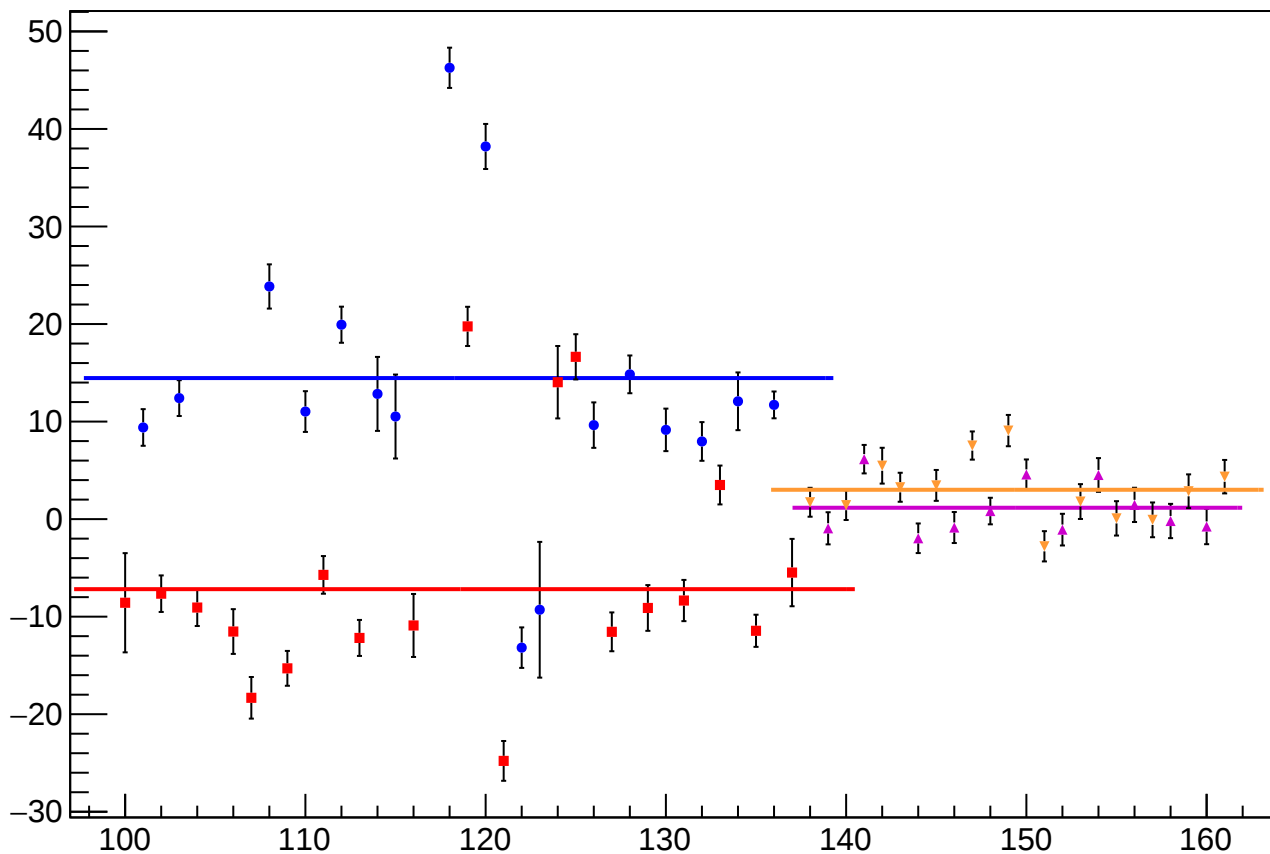
Right Out: 1535.967 ± 0.430 χ^2/NDF : 882098.2/18

Left In: 1599.542 ± 0.381 χ^2/NDF : 168340.7/10

1587.595 ± 0.283 χ^2/NDF : 786890.2/29

1571.623 ± 0.285 χ^2/NDF : 1062689.4/29

diff_bpm0i07Y_mean vs Slug



Right In: 14.461 ± 0.523 χ^2/NDF : 595.9/16

Left Out: 3.008 ± 0.450 χ^2/NDF : 48.6/12

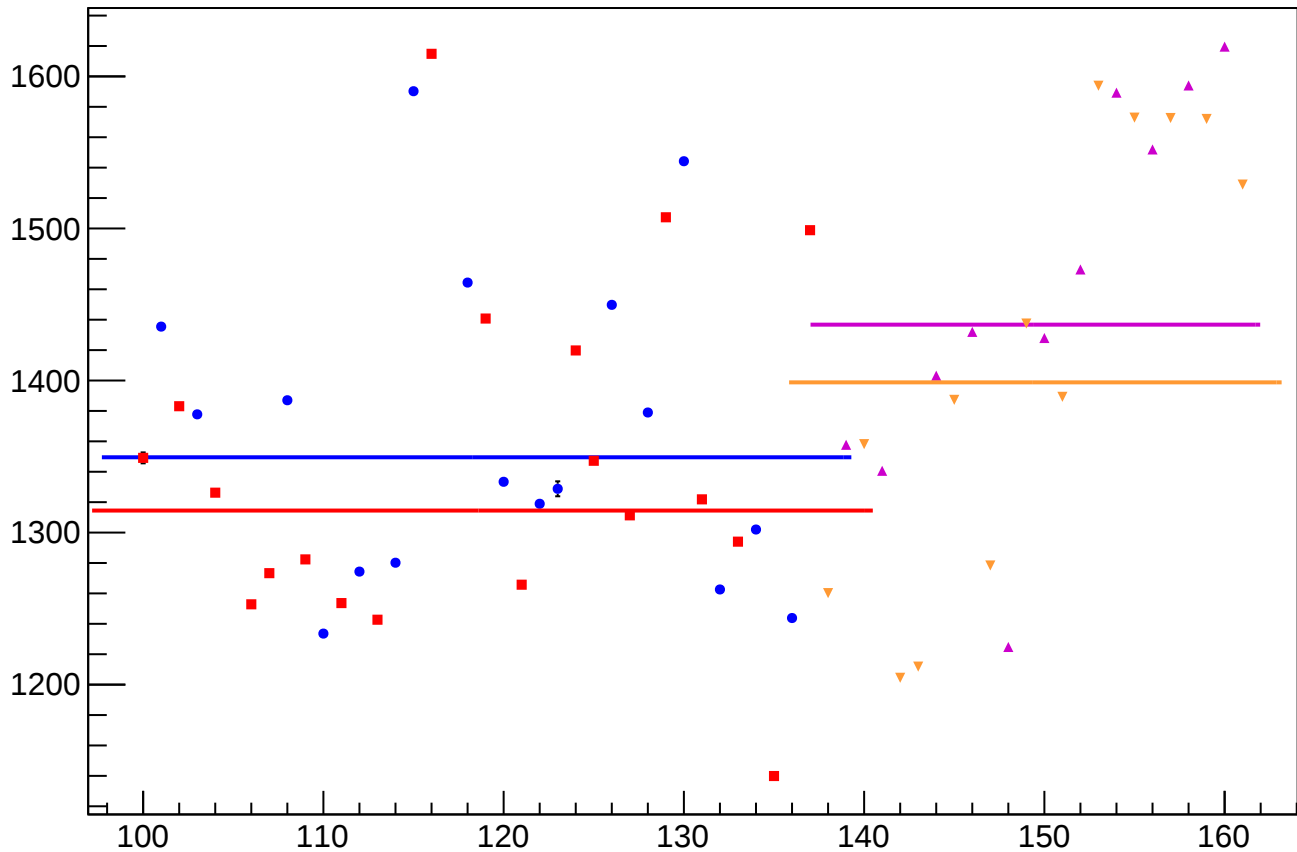
Right Out: -7.181 ± 0.494 χ^2/NDF : 495.7/18

Left In: 1.165 ± 0.482 χ^2/NDF : 31.6/10

7.877 ± 0.341 χ^2/NDF : 920.0/29

-2.906 ± 0.345 χ^2/NDF : 673.2/29

diff_bpm0i07Y_rms vs Slug



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

Left Out: 1398.790+/-0.318 χ^2/NDF :182116.2/12

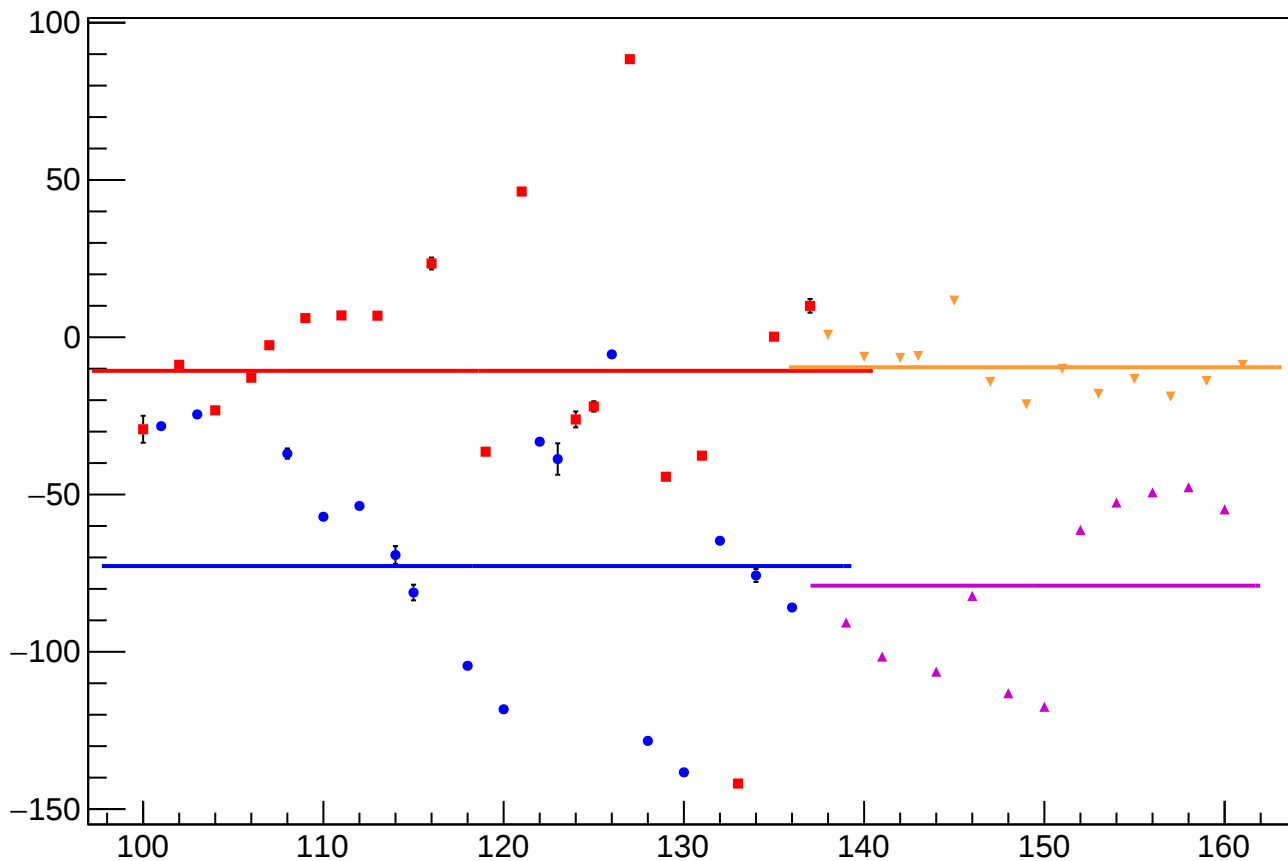
Right Out: 1314.485+/-0.350 χ^2/NDF : 80952.7/18

Left In: 1436.740+/-0.341 χ^2/NDF :124334.5/10

1377.846+/-0.241 χ^2/NDF : 256979.1/29

1377.098+/-0.244 χ^2/NDF : 267928.4/29

diff_bpm1i02X_mean vs Slug



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

Left Out: -9.521 ± 0.301 $\chi^2/\text{NDF}: 803.4/12$

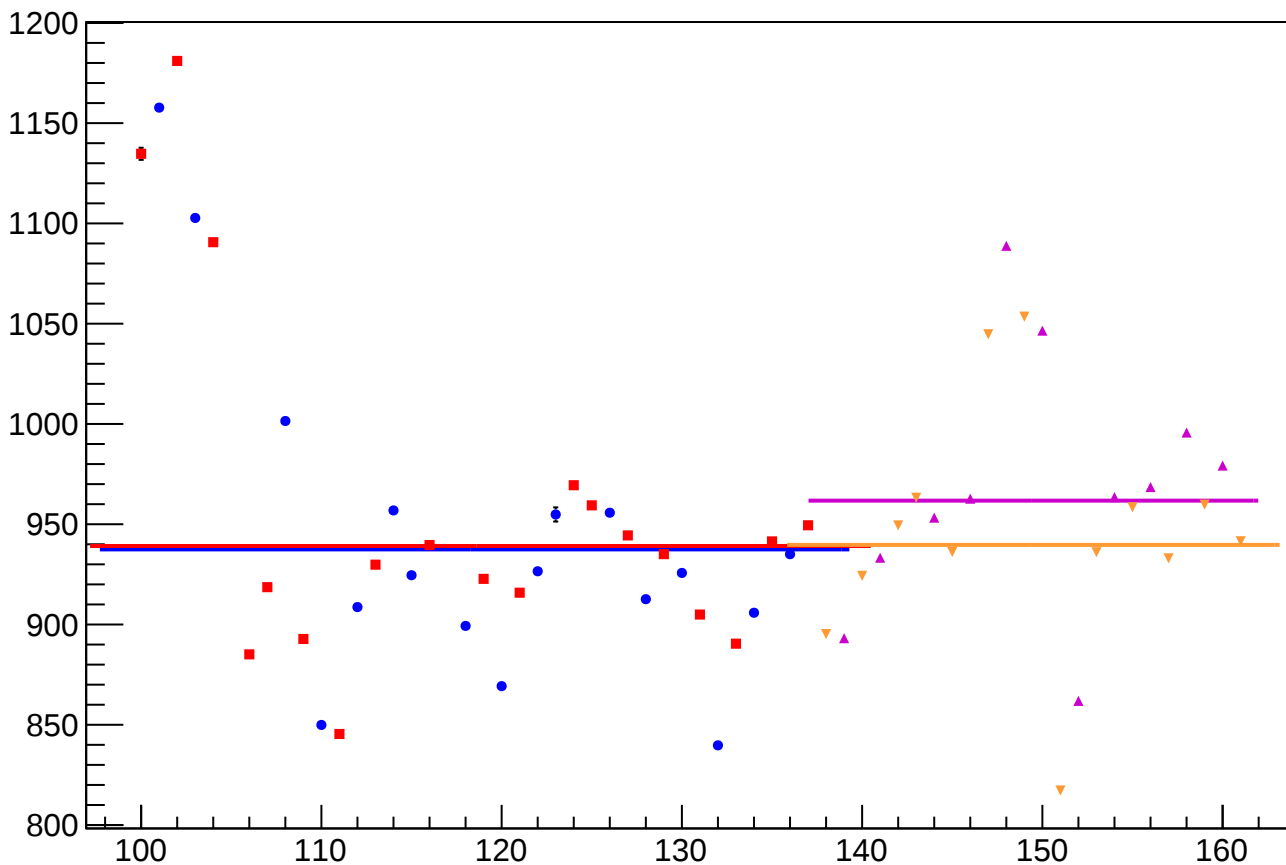
-35.362 ± 0.232 $\chi^2/\text{NDF}: 30491.3/29$

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

-47.849 ± 0.238 $\chi^2/\text{NDF}: 44933.9/29$

Left In: -78.976 ± 0.322 $\chi^2/\text{NDF}: 6305.6/10$

diff_bpm1i02X_rms vs Slug



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

Left Out: 939.701 $\pm$ 0.213 χ^2 /NDF: 77085.2/12

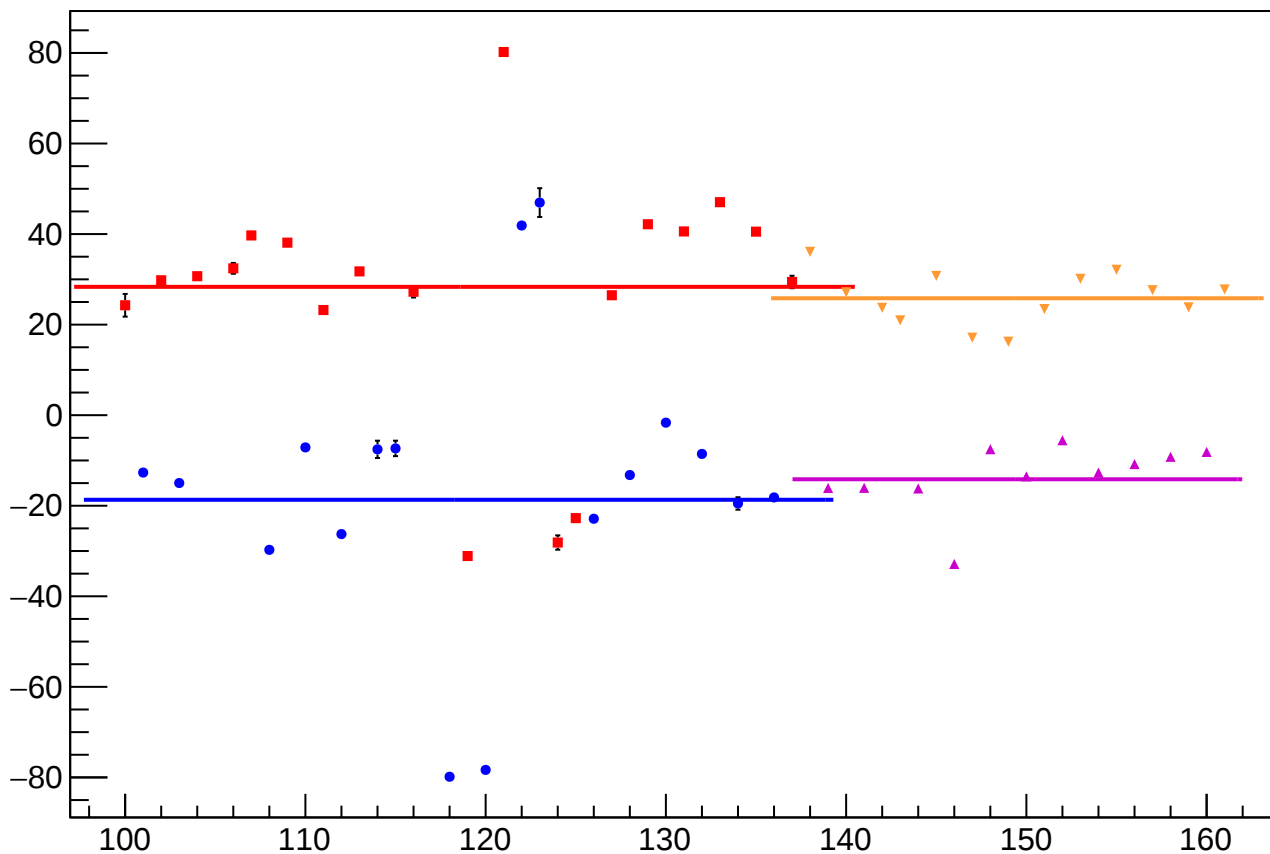
Right Out: 939.140 $\pm$ 0.249 χ^2 /NDF: 90253.2/18

Left In: 961.759 $\pm$ 0.228 χ^2 /NDF: 67727.8/10

938.782 $\pm$ 0.164 χ^2 /NDF: 175438.4/29

951.451 $\pm$ 0.168 χ^2 /NDF: 162467.6/29

diff_bpm1i02Y_mean vs Slug



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

Left Out: 25.827 ± 0.229 $\chi^2/\text{NDF}: 648.1/12$

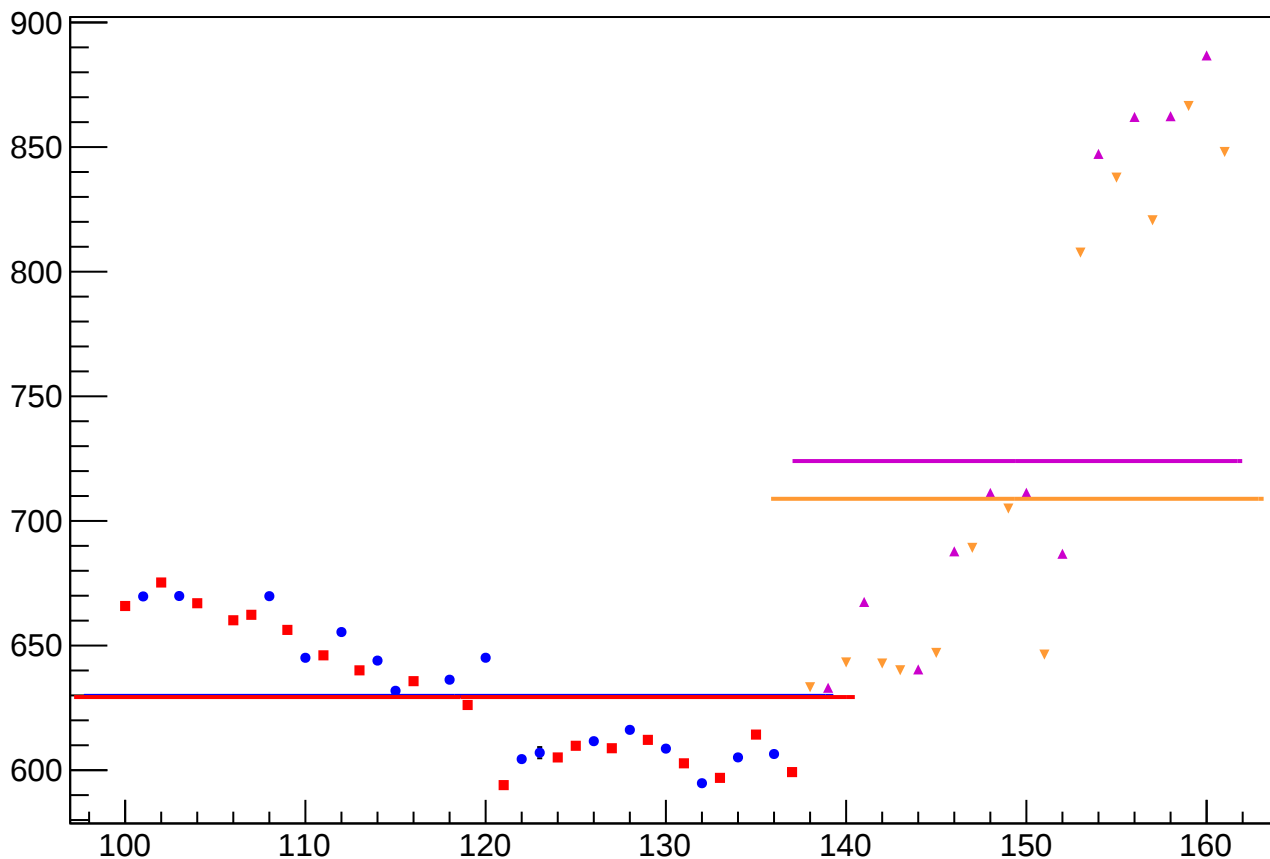
Right Out: 28.347 ± 0.235 $\chi^2/\text{NDF}: 12508.1/18$

Left In: -14.152 ± 0.244 $\chi^2/\text{NDF}: 903.0/10$

4.895 ± 0.166 $\chi^2/\text{NDF}: 31477.2/29$

7.870 ± 0.169 $\chi^2/\text{NDF}: 29108.2/29$

diff_bpm1i02Y_rms vs Slug



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

Left Out: 708.884+/-0.162 χ^2/NDF : 279184.1/12

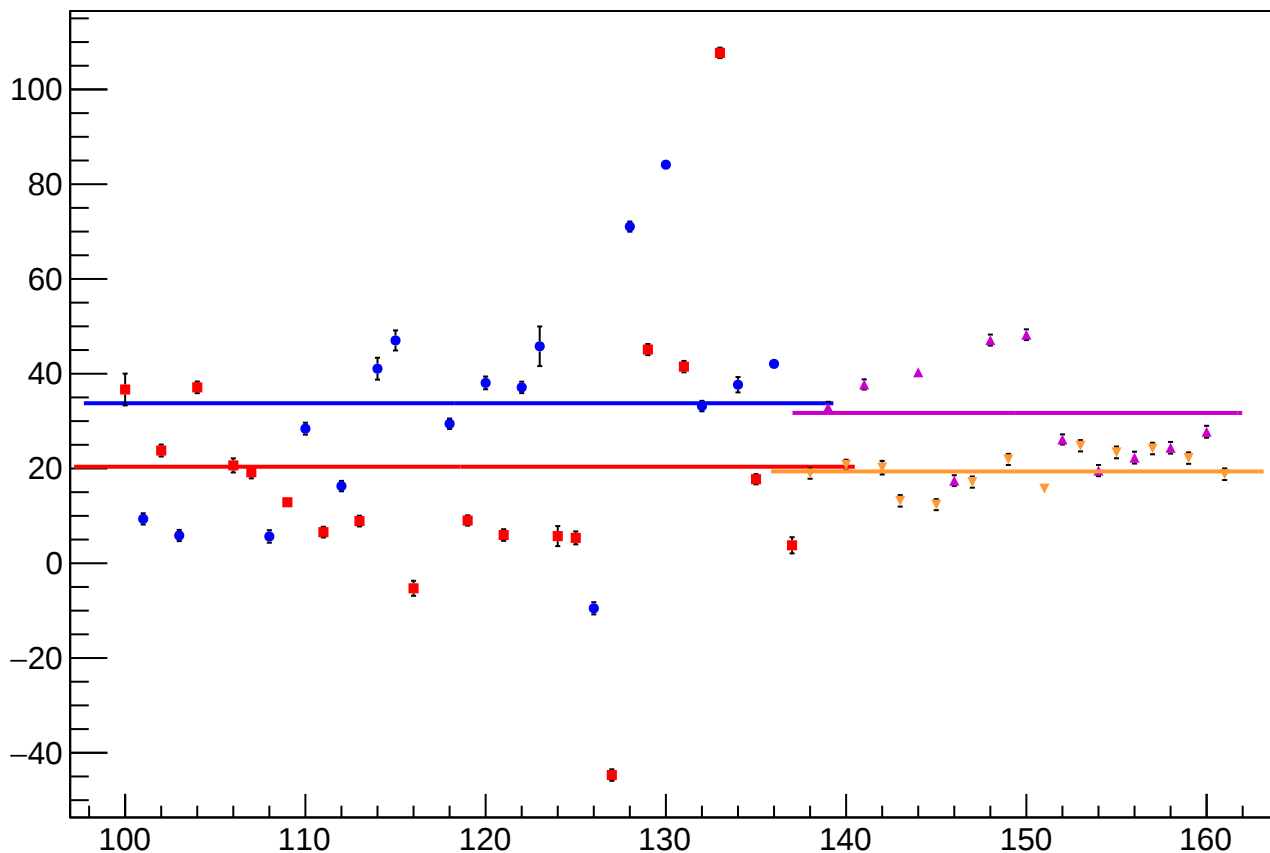
Right Out: 629.340+/-0.166 χ^2/NDF : 25538.5/18

Left In: 724.028+/-0.173 χ^2/NDF : 250946.4/10

671.700+/-0.118 χ^2/NDF : 414970.2/29

674.963+/-0.120 χ^2/NDF : 432327.4/29

diff_bpm1i04X_mean vs Slug



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

Left Out: 19.378+/-0.328 χ^2 /NDF:137.2/12

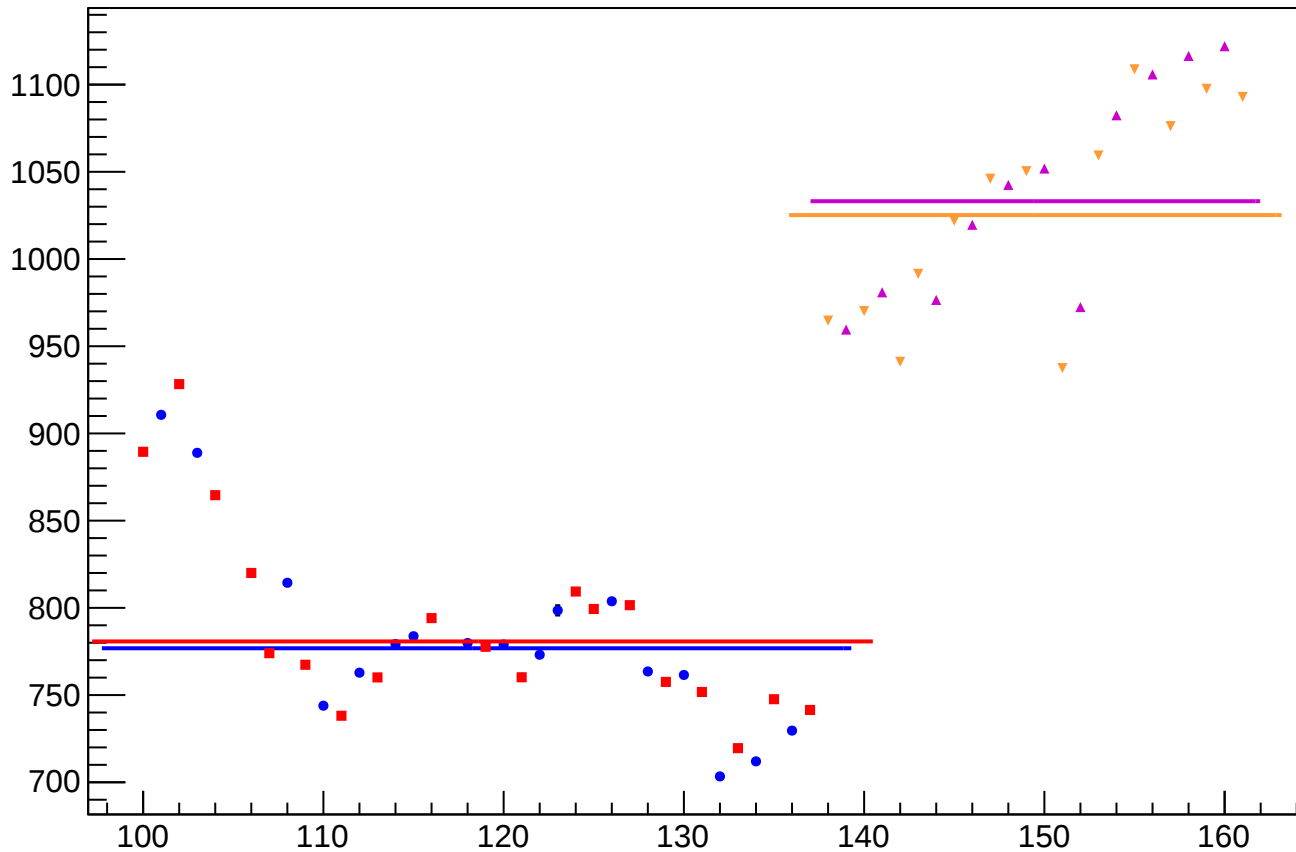
Right Out: 20.375+/-0.293 χ^2 /NDF: 11287.7/18

Left In: 31.724+/-0.346 χ^2 /NDF:883.2/10

27.229+/-0.221 χ^2 /NDF: 7672.6/29

25.102+/-0.223 χ^2 /NDF: 12797.9/29

diff_bpm1i04X_rms vs Slug



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

Left Out: 1025.186 $\pm$ 0.232 χ^2 /NDF: 62388.8/12

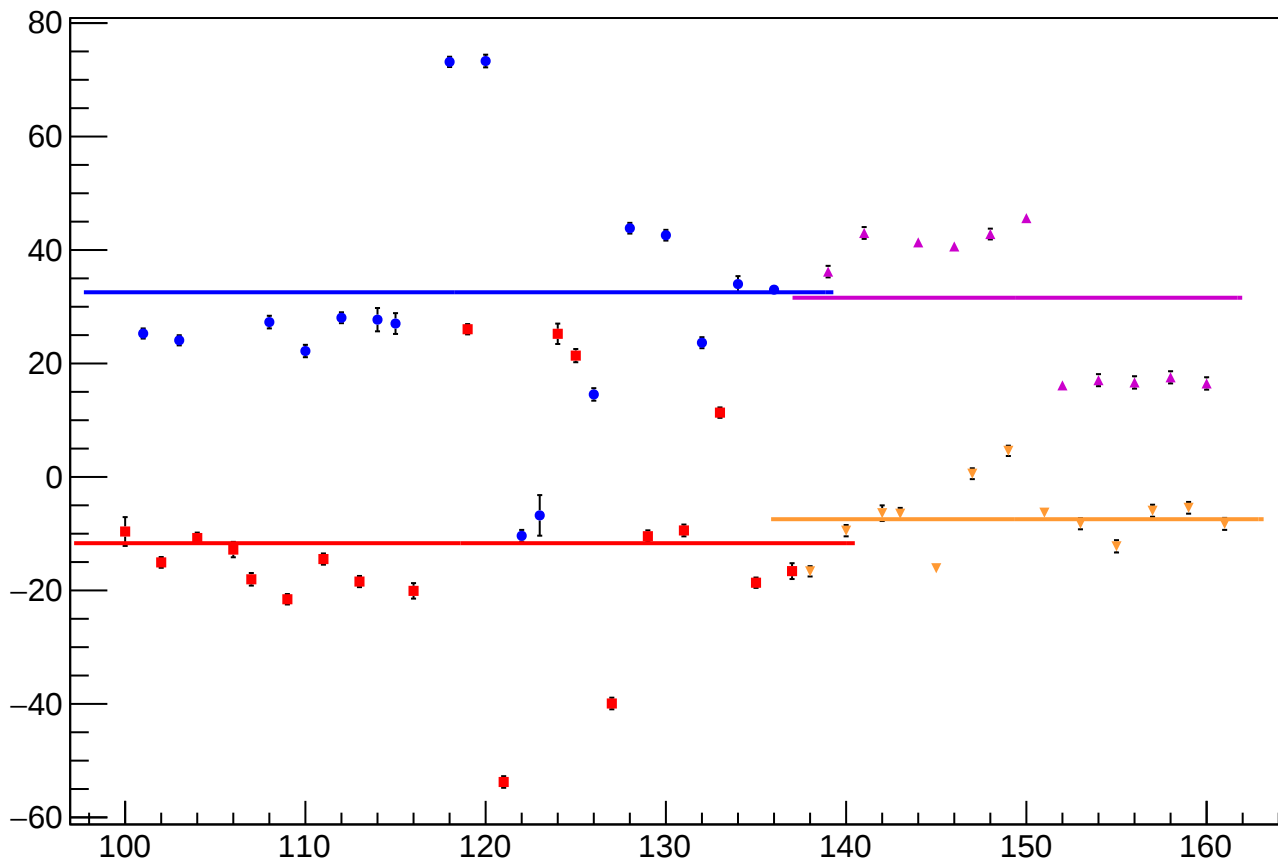
Right Out: 780.755 $\pm$ 0.207 χ^2 /NDF: 57428.9/18

Left In: 1033.146 $\pm$ 0.245 χ^2 /NDF: 55331.7/10

889.744 $\pm$ 0.157 χ^2 /NDF: 753424.9/29

885.888 $\pm$ 0.158 χ^2 /NDF: 732953.6/29

diff_bpm1i04Y_mean vs Slug



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

Left Out: -7.446 $\pm$ 0.274 χ^2 /NDF: 476.1/12

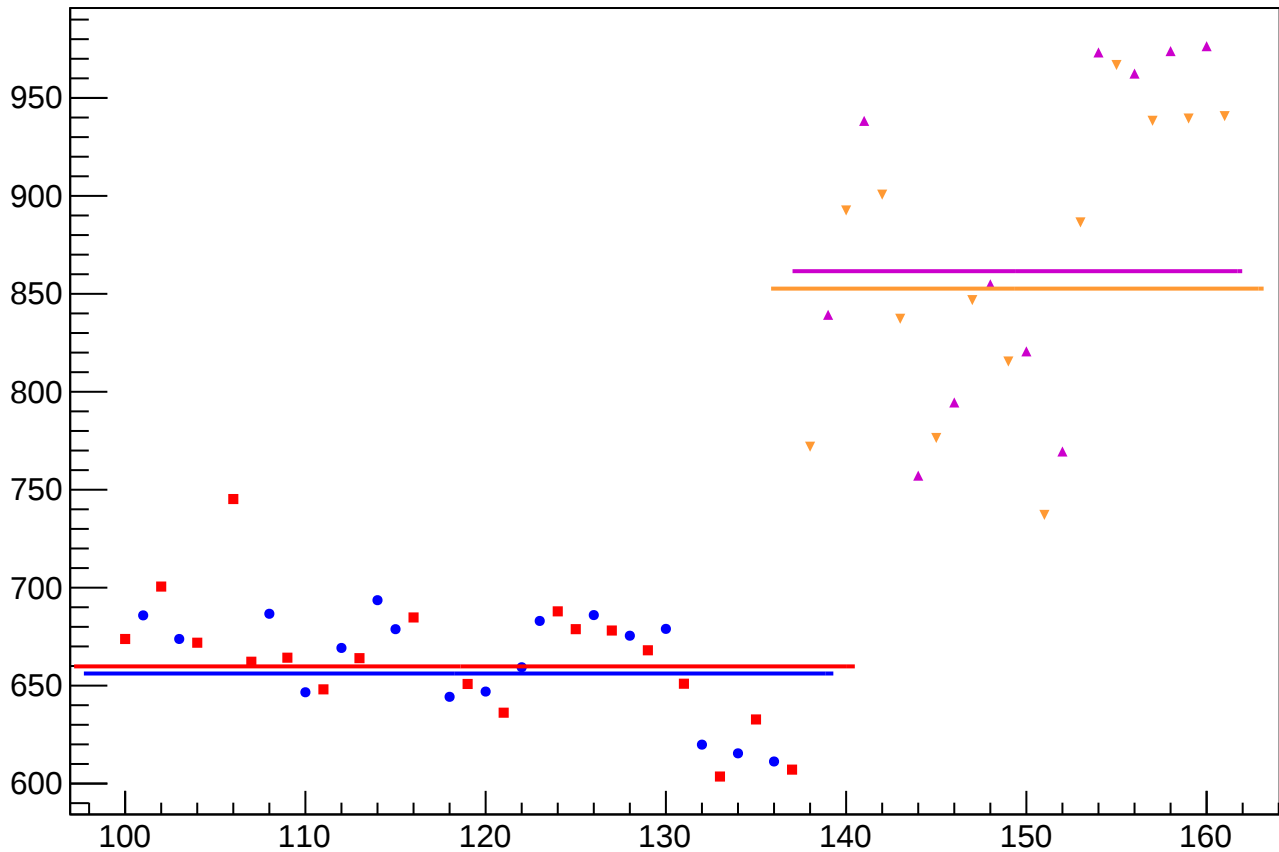
14.178 $\pm$ 0.186 χ^2 /NDF: 18043.5/29

Right Out: -11.674 $\pm$ 0.247 χ^2 /NDF: 6357.6/18

6.460 $\pm$ 0.188 χ^2 /NDF: 21058.0/29

Left In: 31.588 $\pm$ 0.291 χ^2 /NDF: 1840.3/10

diff_bpm1i04Y_rms vs Slug



Right In: 656.181 $\pm$ 0.179 χ^2 /NDF: 23569.6/16

Left Out: 852.666 $\pm$ 0.194 χ^2 /NDF:144693.0/12

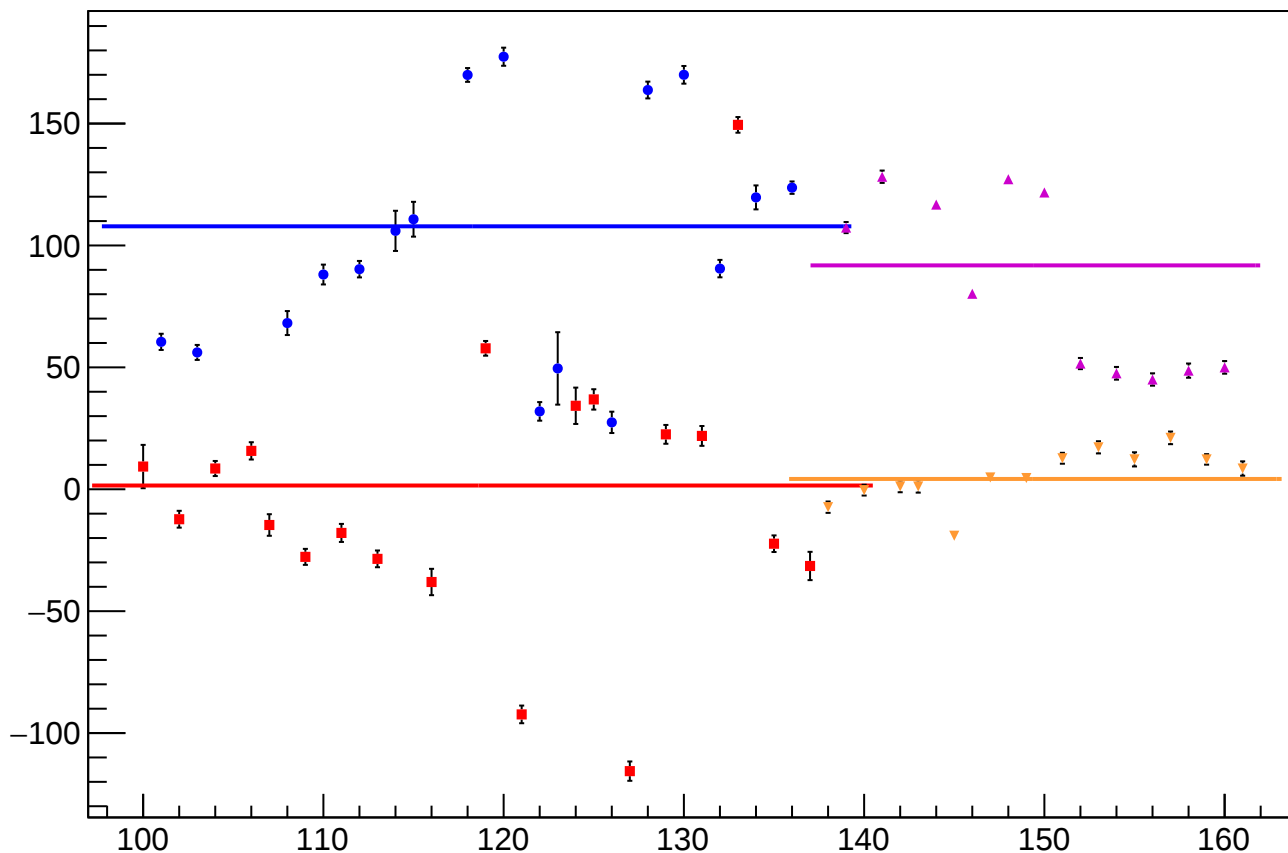
Right Out: 659.813 $\pm$ 0.175 χ^2 /NDF: 28325.7/18

Left In: 861.564 $\pm$ 0.206 χ^2 /NDF:165997.4/10

746.443 $\pm$ 0.131 χ^2 /NDF: 723009.9/29

744.381 $\pm$ 0.133 χ^2 /NDF: 753680.3/29

diff_bpm1i06X_mean vs Slug



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

Left Out: 4.233 $\pm$ 0.624 χ^2 /NDF:271.5/12

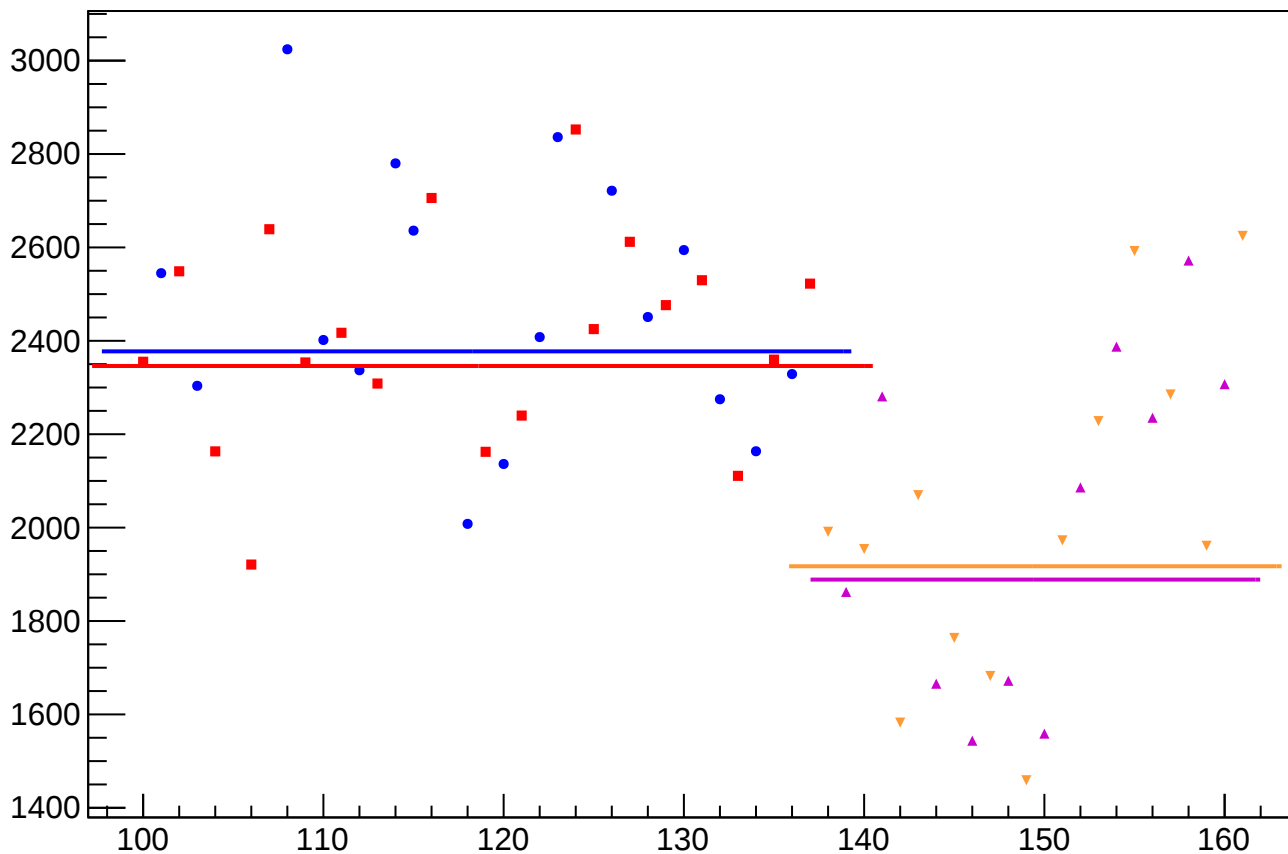
Right Out: 1.542 $\pm$ 0.883 χ^2 /NDF: 4523.8/18

Left In: 91.826 $\pm$ 0.648 χ^2 /NDF:2565.1/10

36.829 $\pm$ 0.517 χ^2 /NDF: 11746.3/29

60.258 $\pm$ 0.522 χ^2 /NDF: 13883.1/29

diff_bpm1i06X_rms vs Slug



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

Left Out: 1917.265+/-0.441 χ^2/NDF : 543816.2/12

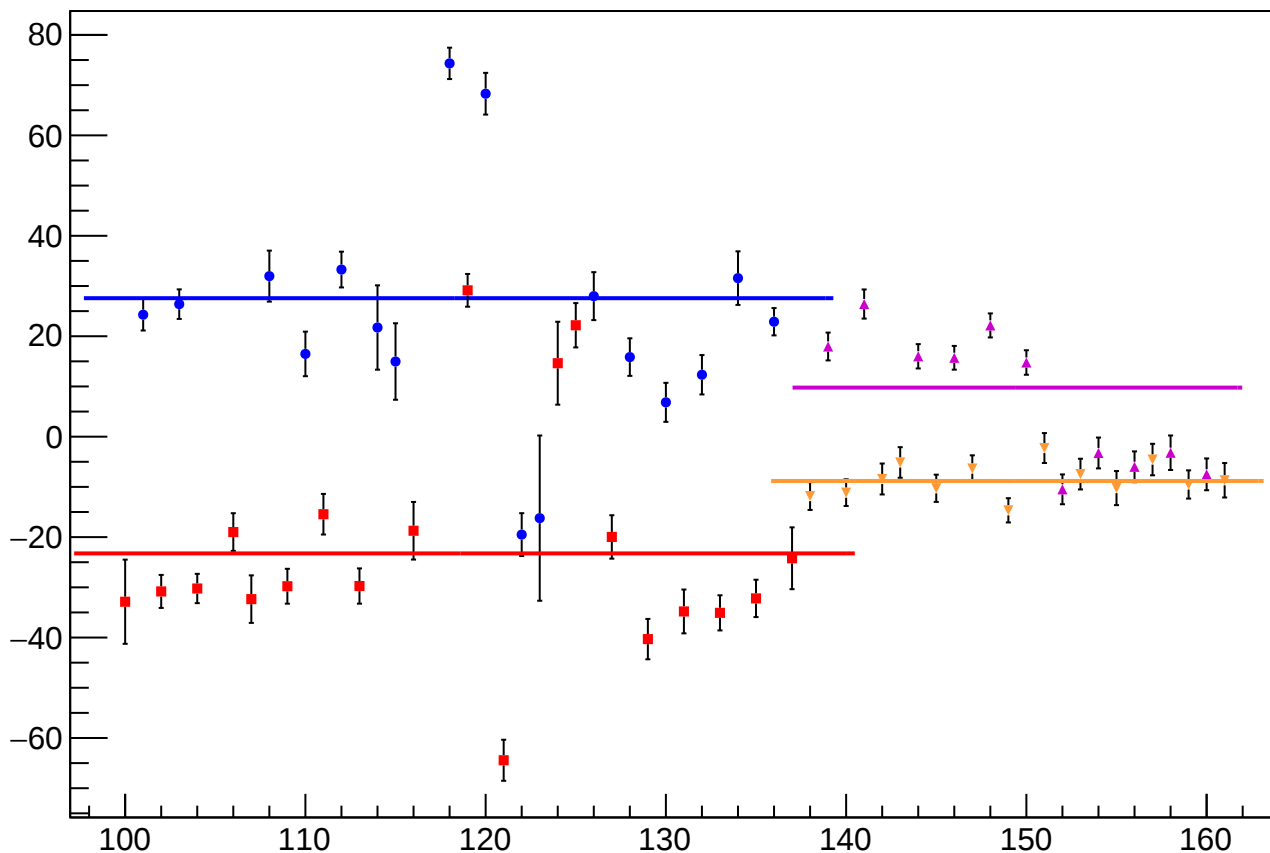
Right Out: 2346.121+/-0.625 χ^2/NDF : 108257.3/18

Left In: 1888.713+/-0.458 χ^2/NDF : 549659.0/10

2062.020+/-0.365 χ^2/NDF : 1005269.8/29

2048.645+/-0.369 χ^2/NDF : 1006702.9/29

diff_bpm1i06Y_mean vs Slug



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

Left Out: -8.824 $\pm$ 0.801 χ^2 /NDF: 17.6/12

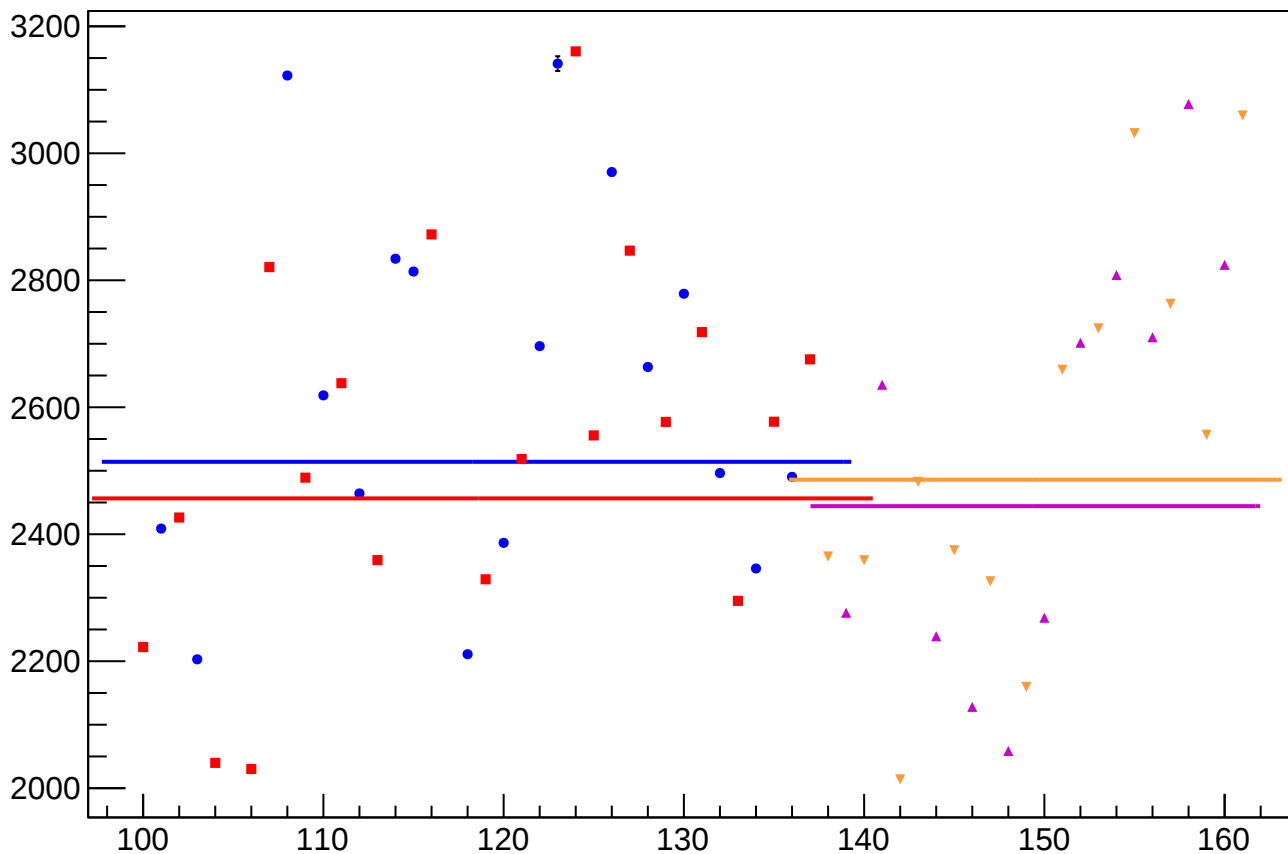
Right Out: -23.243 $\pm$ 0.927 χ^2 /NDF: 557.9/18

Left In: 9.772 $\pm$ 0.830 χ^2 /NDF: 220.4/10

5.852 $\pm$ 0.619 χ^2 /NDF: 1369.4/29

-4.921 $\pm$ 0.618 χ^2 /NDF: 1482.2/29

diff_bpm1i06Y_rms vs Slug



Right In: 2514.088+/-0.689 χ^2/NDF : 120961.3/16

Left Out: 2485.919+/-0.567 χ^2/NDF : 246179.6/12

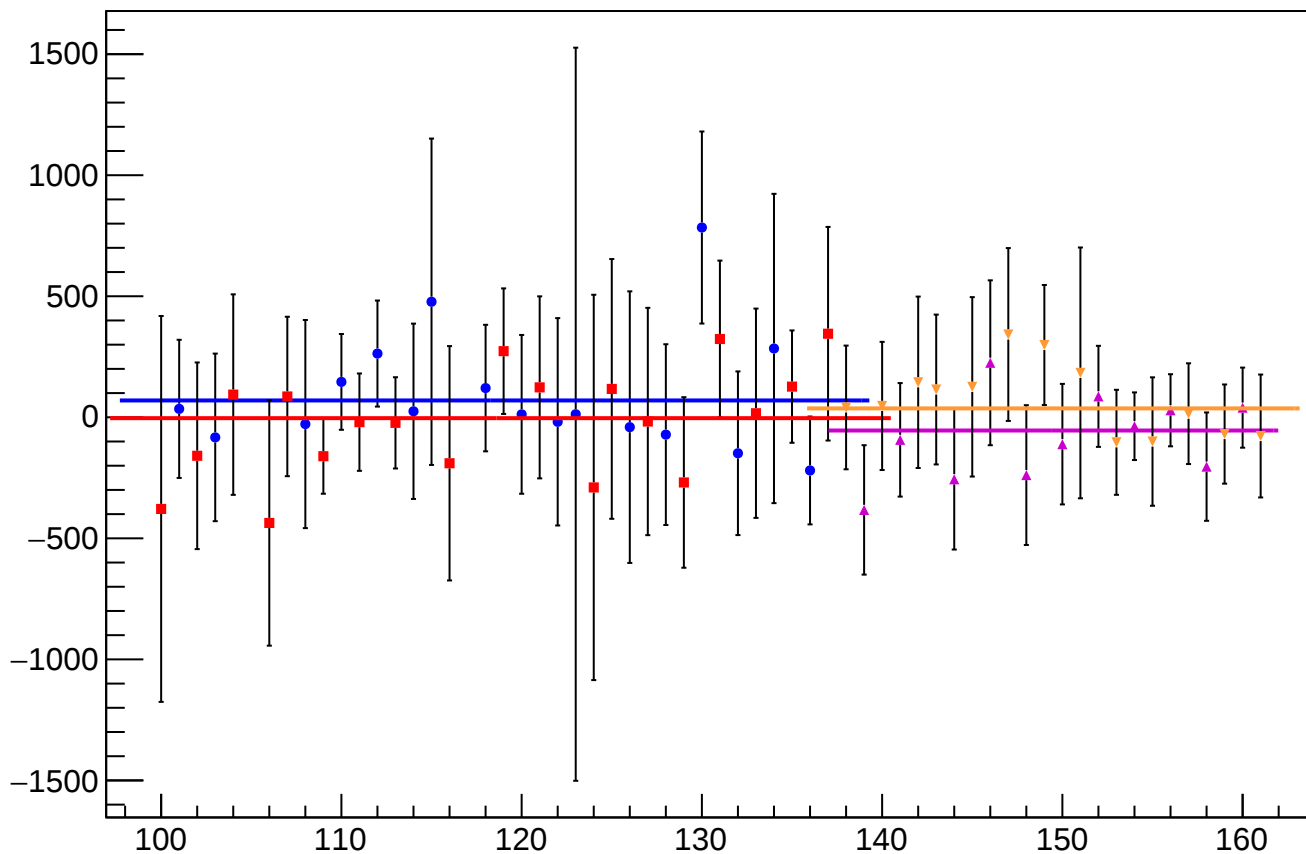
Right Out: 2456.460+/-0.655 χ^2/NDF : 149732.7/18

Left In: 2444.223+/-0.587 χ^2/NDF : 283450.6/10

2497.276+/-0.438 χ^2/NDF : 368137.7/29

2449.668+/-0.437 χ^2/NDF : 433376.8/29

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 69.587+/-79.023 χ^2/NDF : 7.3/16

Left Out: 36.768+/-74.324 χ^2/NDF : 3.3/12

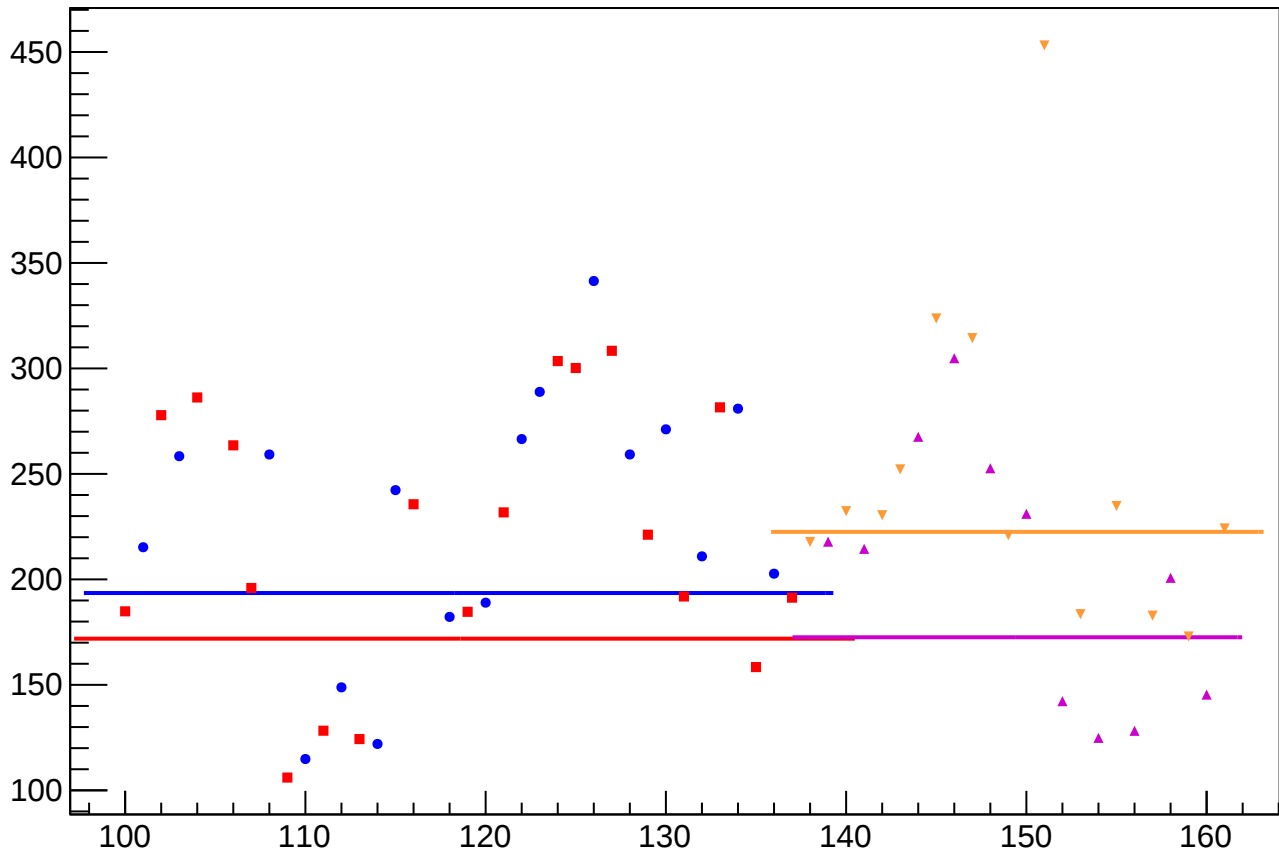
Right Out: -3.562+/-69.980 χ^2/NDF : 6.4/18

Left In: -54.561+/-62.422 χ^2/NDF : 4.7/10

52.173+/-54.140 χ^2/NDF : 10.7/29

-31.963+/-46.583 χ^2/NDF : 11.4/29

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: 222.529 +/- 0.053 χ^2/NDF : 959596.2/12

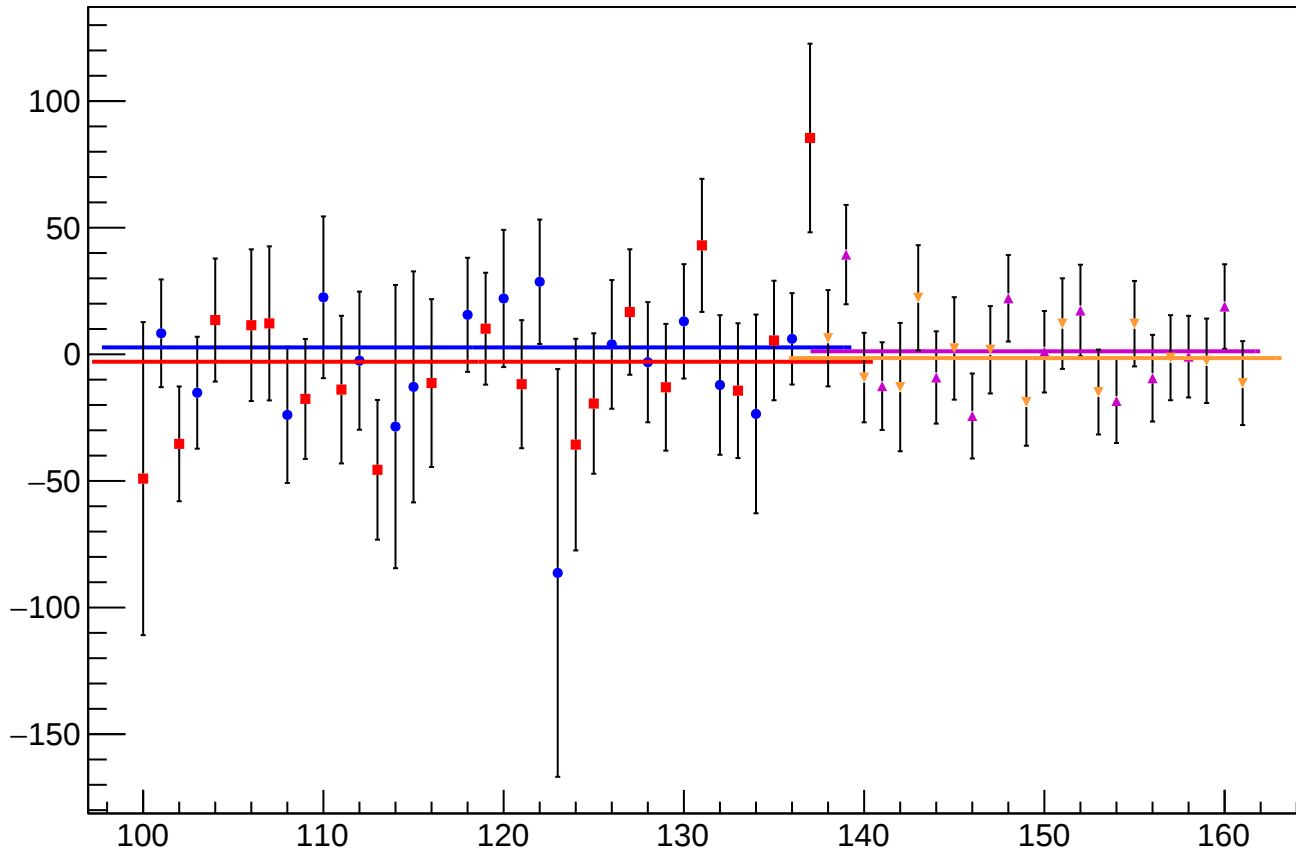
Right Out: 171.901 +/- 0.049 χ^2/NDF : 1576883.7/18

Left In: 172.561 +/- 0.044 χ^2/NDF : 1440411.4/10

208.919 +/- 0.038 χ^2/NDF : 2112907.5/29

172.268 +/- 0.033 χ^2/NDF : 3017394.2/29

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.733 ± 6.424 $\chi^2/\text{NDF}: 6.8/16$

Left Out: -1.489 ± 5.001 $\chi^2/\text{NDF}: 5.2/12$

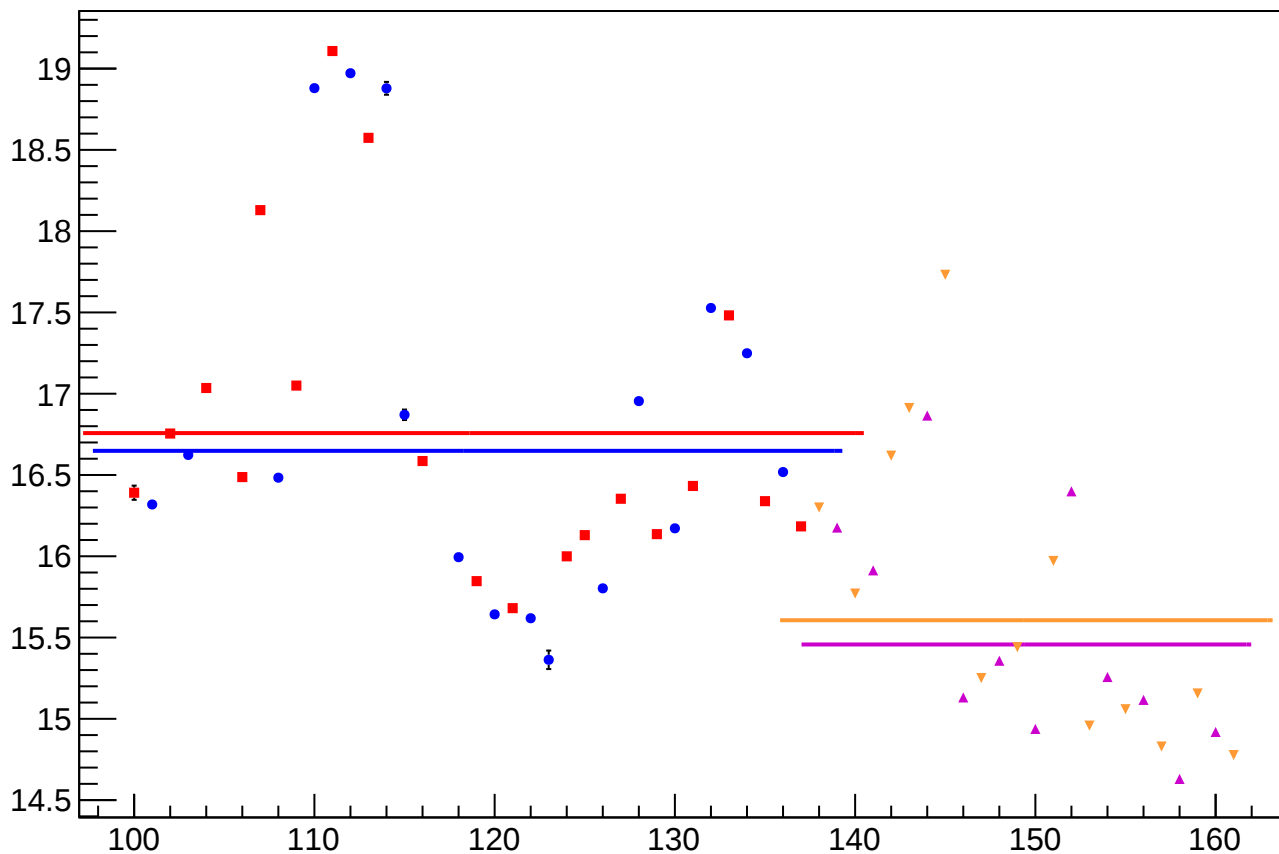
Right Out: -2.928 ± 6.279 $\chi^2/\text{NDF}: 17.8/18$

Left In: 1.193 ± 5.177 $\chi^2/\text{NDF}: 12.3/10$

0.104 ± 3.947 $\chi^2/\text{NDF}: 12.2/29$

-0.475 ± 3.994 $\chi^2/\text{NDF}: 30.3/29$

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.649 $\pm$ 0.005 χ^2 /NDF: 42566.9/16

Left Out: 15.606 $\pm$ 0.004 χ^2 /NDF: 53700.9/12

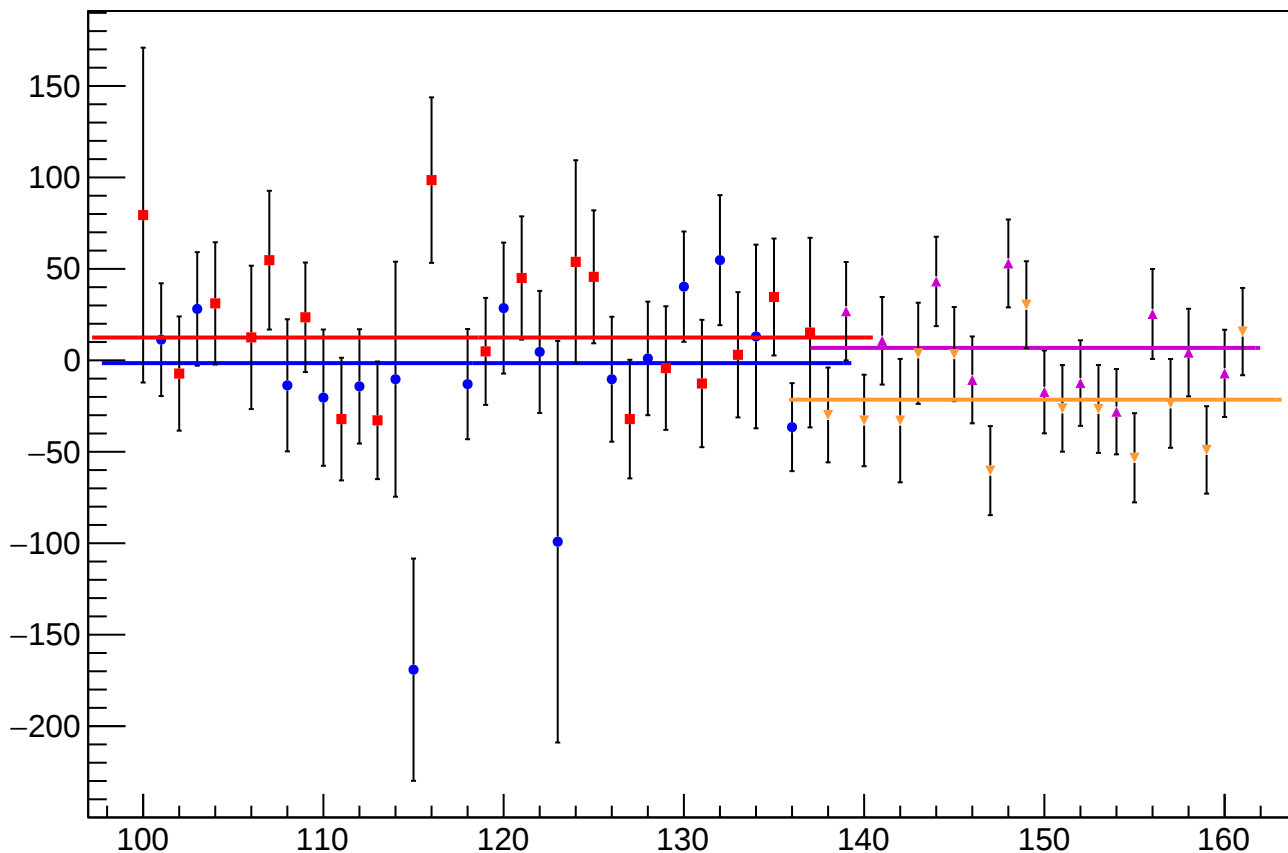
Right Out: 16.758 $\pm$ 0.004 χ^2 /NDF: 39950.7/18

Left In: 15.457 $\pm$ 0.004 χ^2 /NDF: 32769.8/10

16.000 $\pm$ 0.003 χ^2 /NDF: 129030.7/29

15.984 $\pm$ 0.003 χ^2 /NDF: 123789.9/29

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: -21.524 ± 6.961 $\chi^2/\text{NDF}: 15.1/12$

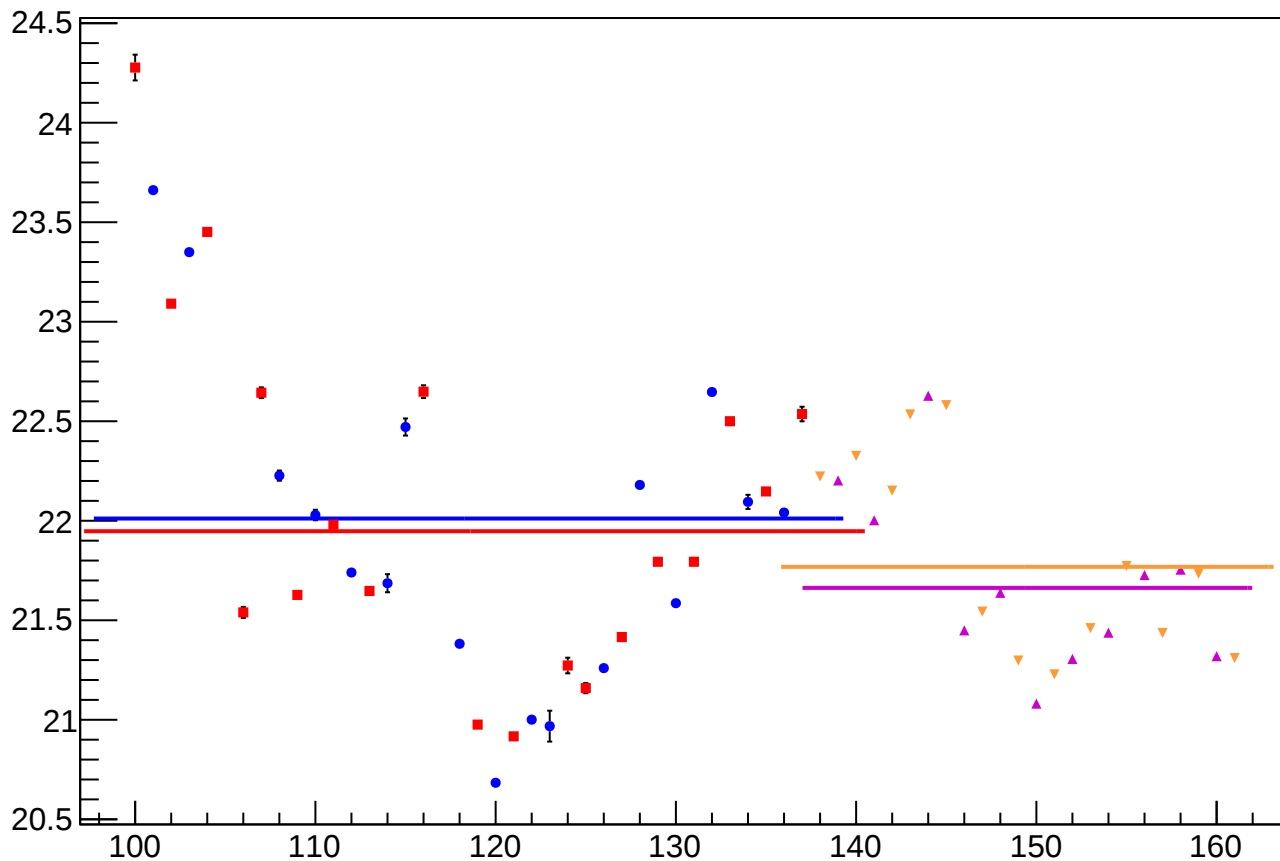
Right Out: 12.475 ± 8.210 $\chi^2/\text{NDF}: 15.6/18$

Left In: 6.802 ± 7.241 $\chi^2/\text{NDF}: 12.0/10$

-13.479 ± 5.382 $\chi^2/\text{NDF}: 36.0/29$

9.284 ± 5.431 $\chi^2/\text{NDF}: 27.9/29$

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 22.011 ± 0.006 χ^2/NDF : 17546.9/16

Left Out: 21.768 ± 0.005 χ^2/NDF : 8832.3/12

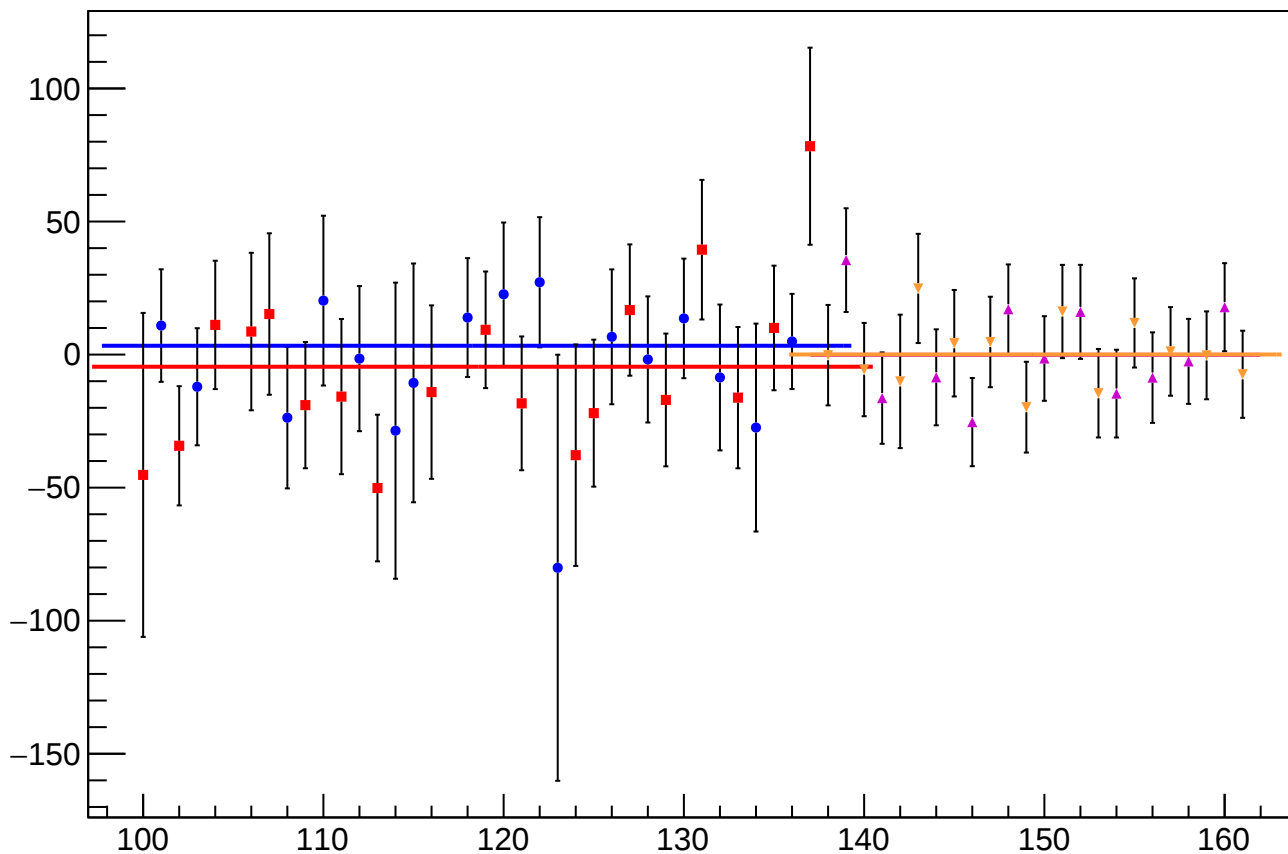
Right Out: 21.947 ± 0.006 χ^2/NDF : 16592.7/18

Left In: 21.663 ± 0.005 χ^2/NDF : 6917.5/10

21.866 ± 0.004 χ^2/NDF : 27357.4/29

21.787 ± 0.004 χ^2/NDF : 24863.9/29

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.317 ± 6.388 $\chi^2/\text{NDF}: 6.3/16$

Left Out: 0.037 ± 4.947 $\chi^2/\text{NDF}: 5.5/12$

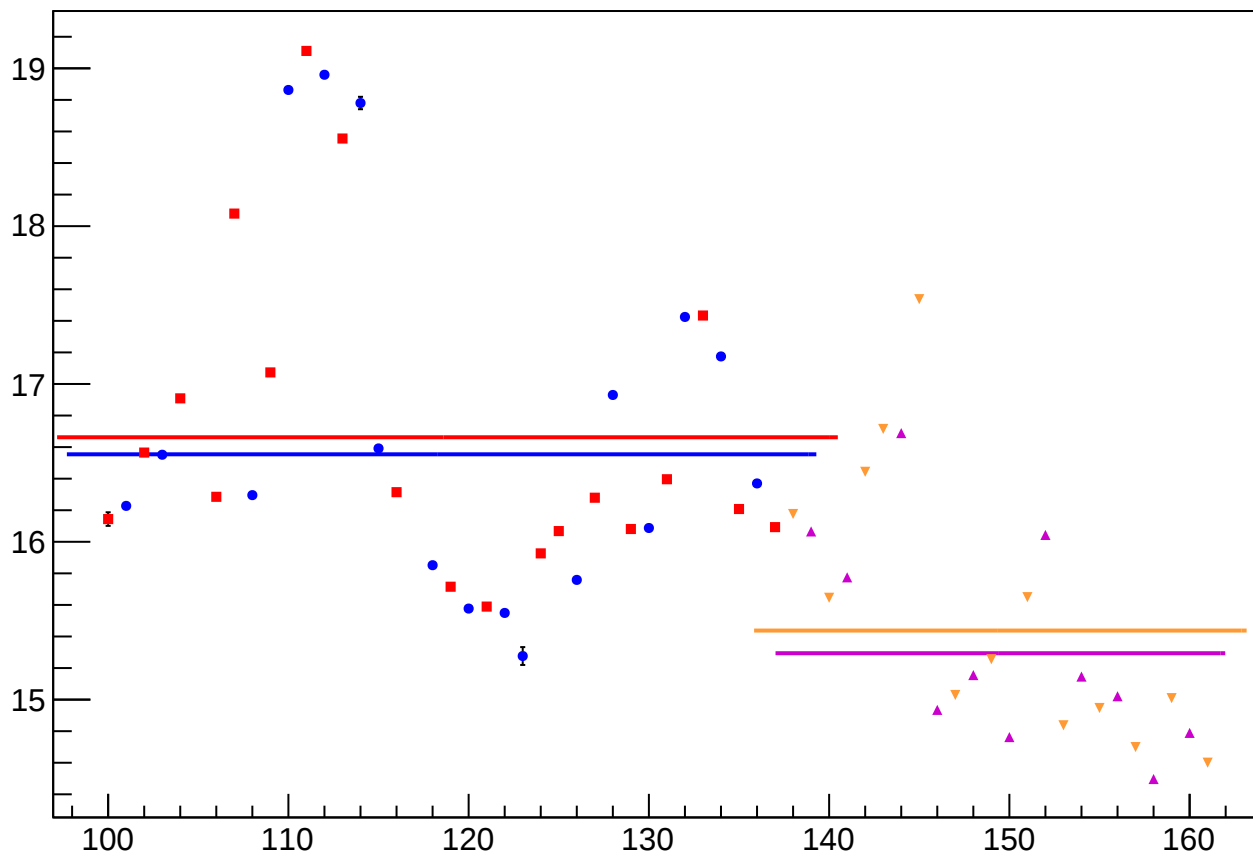
Right Out: -4.561 ± 6.244 $\chi^2/\text{NDF}: 17.7/18$

Left In: -0.103 ± 5.122 $\chi^2/\text{NDF}: 10.9/10$

1.266 ± 3.911 $\chi^2/\text{NDF}: 12.0/29$

-1.896 ± 3.960 $\chi^2/\text{NDF}: 28.9/29$

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.554 $\pm$ 0.005 χ^2/NDF : 44475.2/16

Left Out: 15.438 $\pm$ 0.003 χ^2/NDF : 52830.1/12

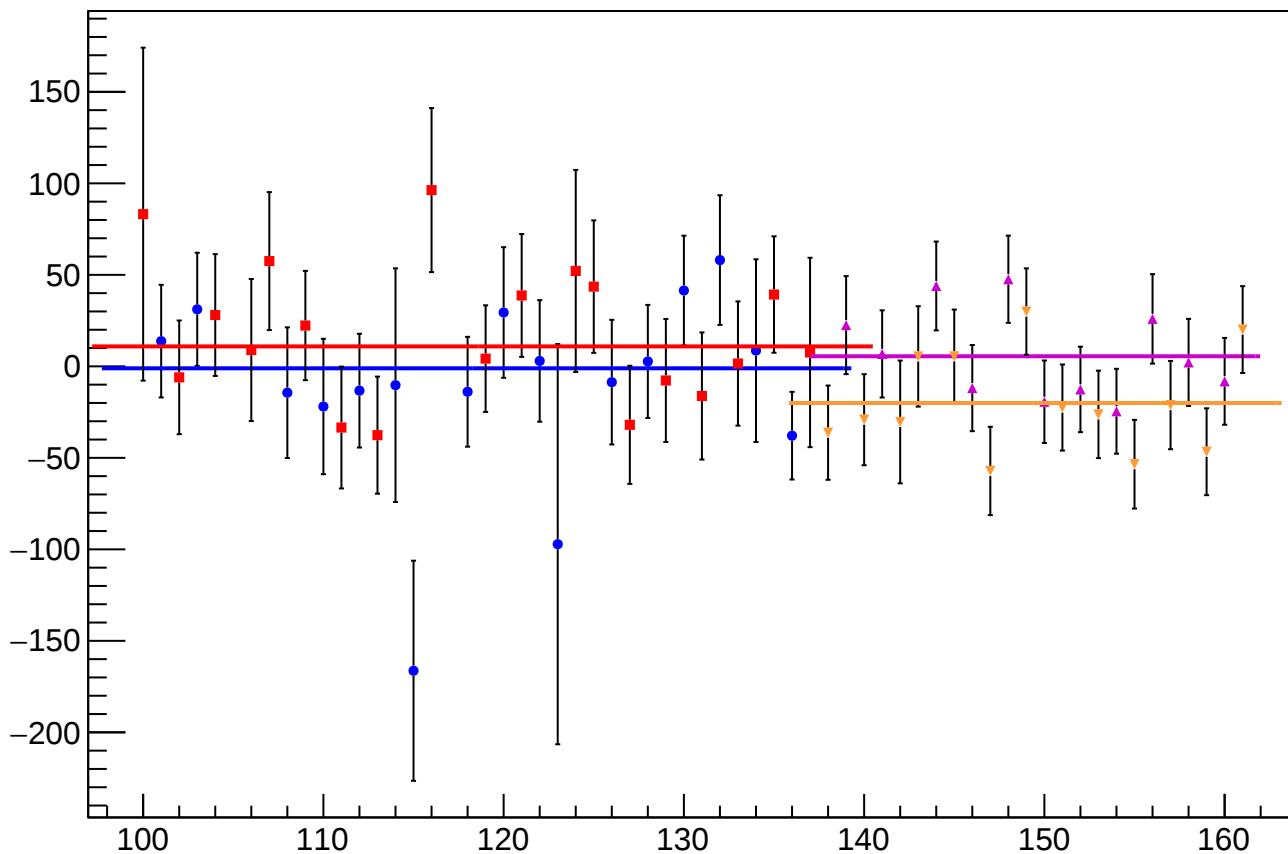
Right Out: 16.662 $\pm$ 0.004 χ^2/NDF : 43063.6/18

Left In: 15.294 $\pm$ 0.004 χ^2/NDF : 31081.8/10

15.856 $\pm$ 0.003 χ^2/NDF : 135510.2/29

15.844 $\pm$ 0.003 χ^2/NDF : 131564.8/29

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.068 ± 8.444 χ^2/NDF : 18.5/16

Left Out: -20.030 ± 6.915 χ^2/NDF : 15.4/12

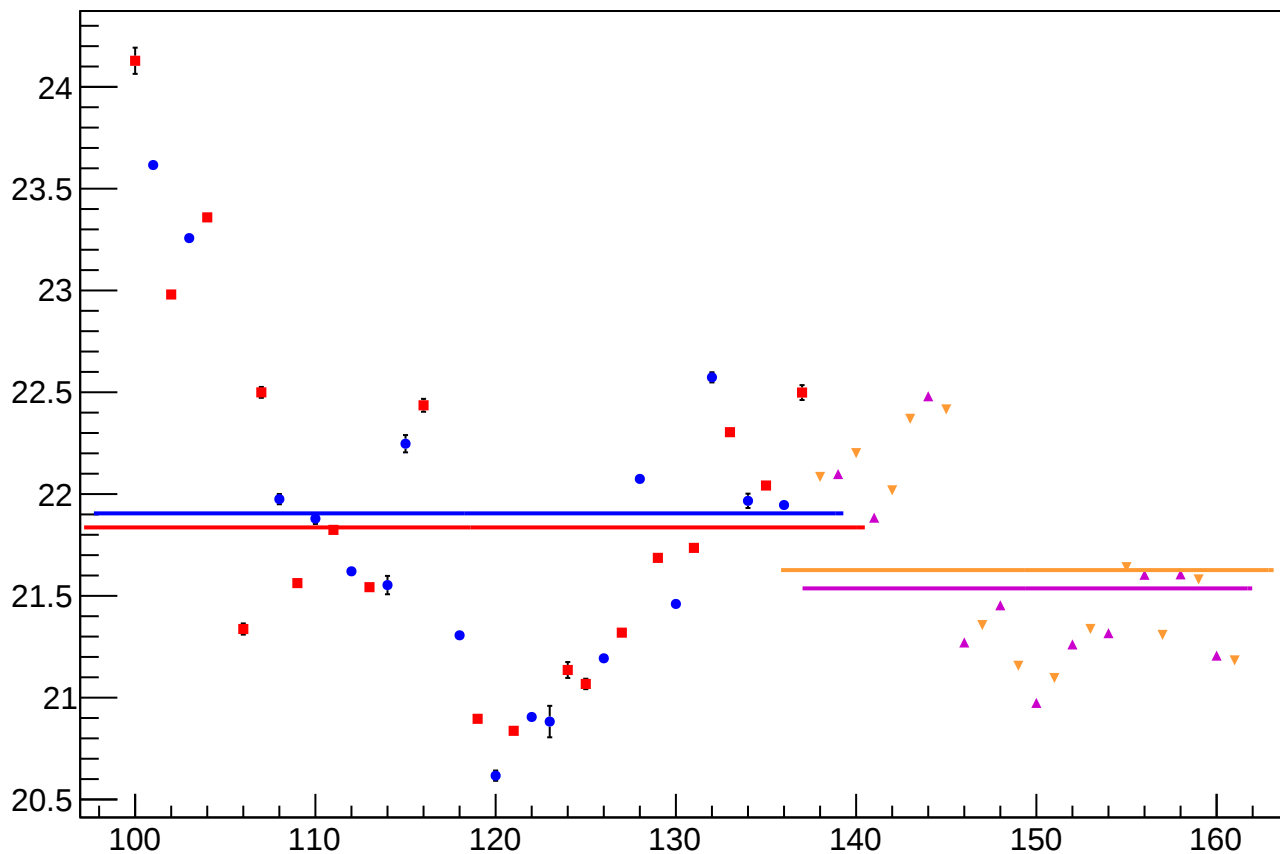
Right Out: 10.900 ± 8.169 χ^2/NDF : 16.2/18

Left In: 5.508 ± 7.199 χ^2/NDF : 11.1/10

-12.418 ± 5.350 χ^2/NDF : 36.9/29

7.865 ± 5.401 χ^2/NDF : 27.6/29

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: 21.627 $\pm$ 0.005 χ^2 /NDF:8750.9/12

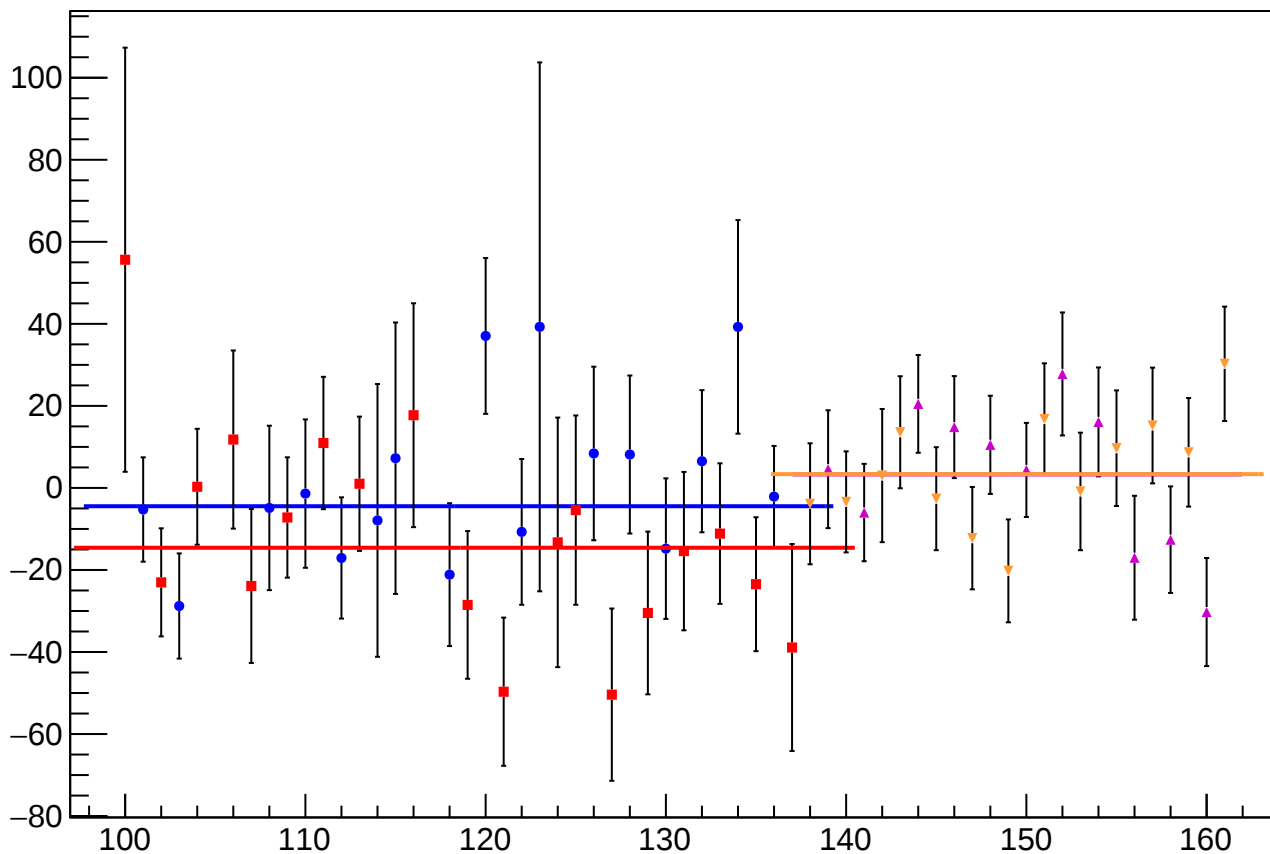
Right Out: 21.836 $\pm$ 0.006 χ^2 /NDF: 16251.2/18

Left In: 21.537 $\pm$ 0.005 χ^2 /NDF:6727.0/10

21.738 $\pm$ 0.004 χ^2 /NDF: 27848.5/29

21.668 $\pm$ 0.004 χ^2 /NDF: 24491.7/29

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.461 ± 4.329 $\chi^2/\text{NDF}: 15.2/16$

-0.003 ± 2.839 $\chi^2/\text{NDF}: 29.3/29$

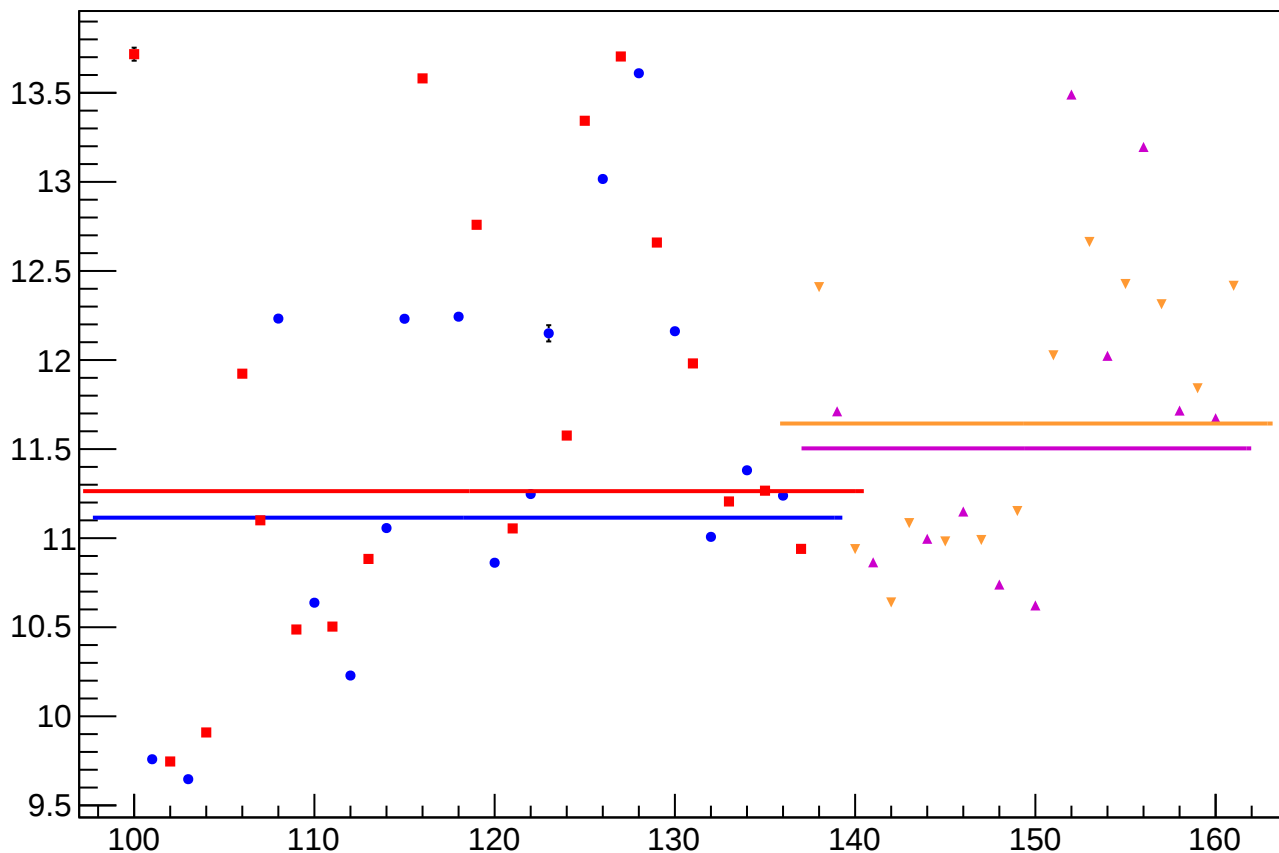
Left Out: 3.363 ± 3.762 $\chi^2/\text{NDF}: 12.3/12$

Right Out: -14.579 ± 4.264 $\chi^2/\text{NDF}: 19.5/18$

-4.818 ± 2.872 $\chi^2/\text{NDF}: 46.4/29$

Left In: 3.288 ± 3.886 $\chi^2/\text{NDF}: 17.3/10$

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: 11.644 $\pm$ 0.003 χ^2 /NDF: 66052.0/12

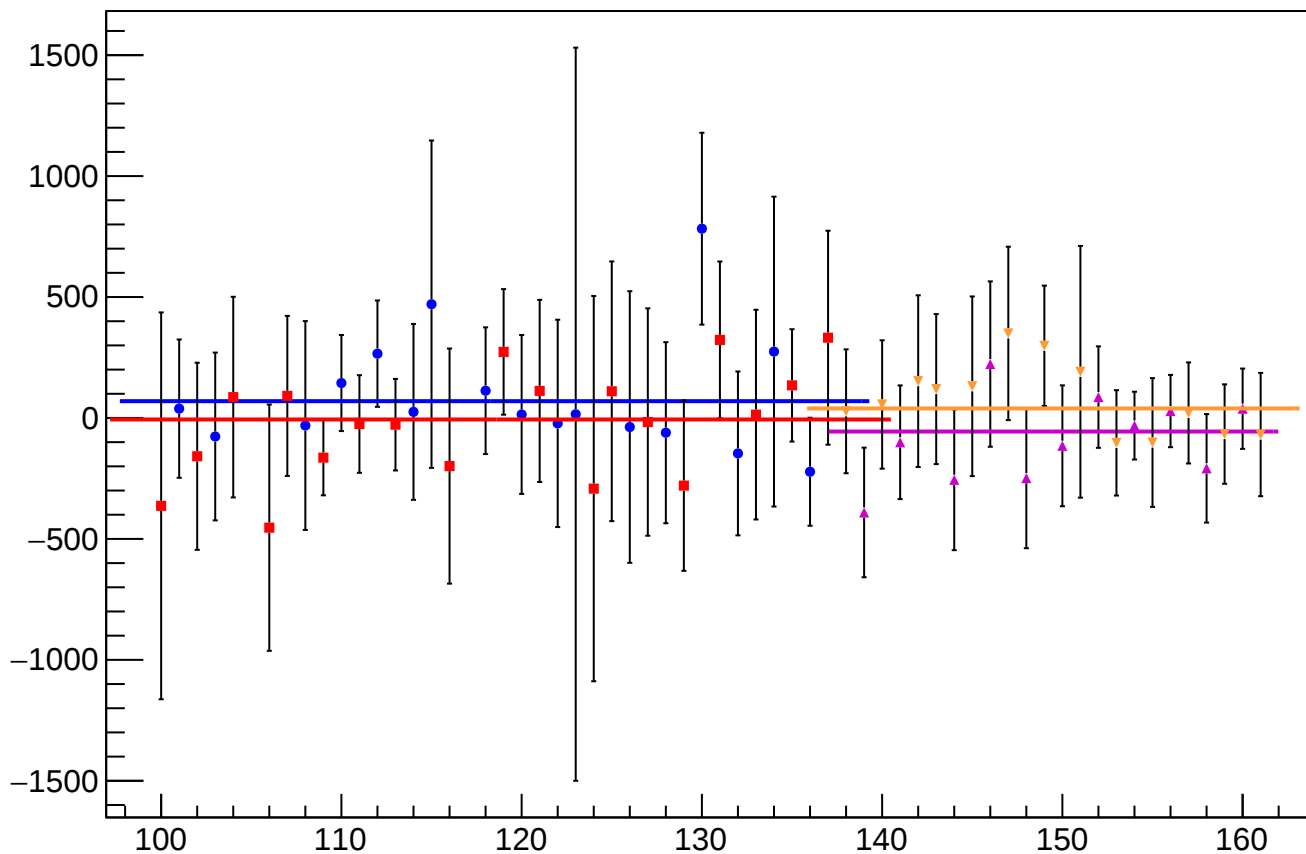
Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147483.5/18

Left In: 11.504 $\pm$ 0.003 χ^2 /NDF: 95605.1/10

11.416 $\pm$ 0.002 χ^2 /NDF: 216096.6/29

11.395 $\pm$ 0.002 χ^2 /NDF: 246552.7/29

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 69.470+/-79.231 χ^2/NDF : 7.3/16

Left Out: 39.473+/-74.576 χ^2/NDF : 3.3/12

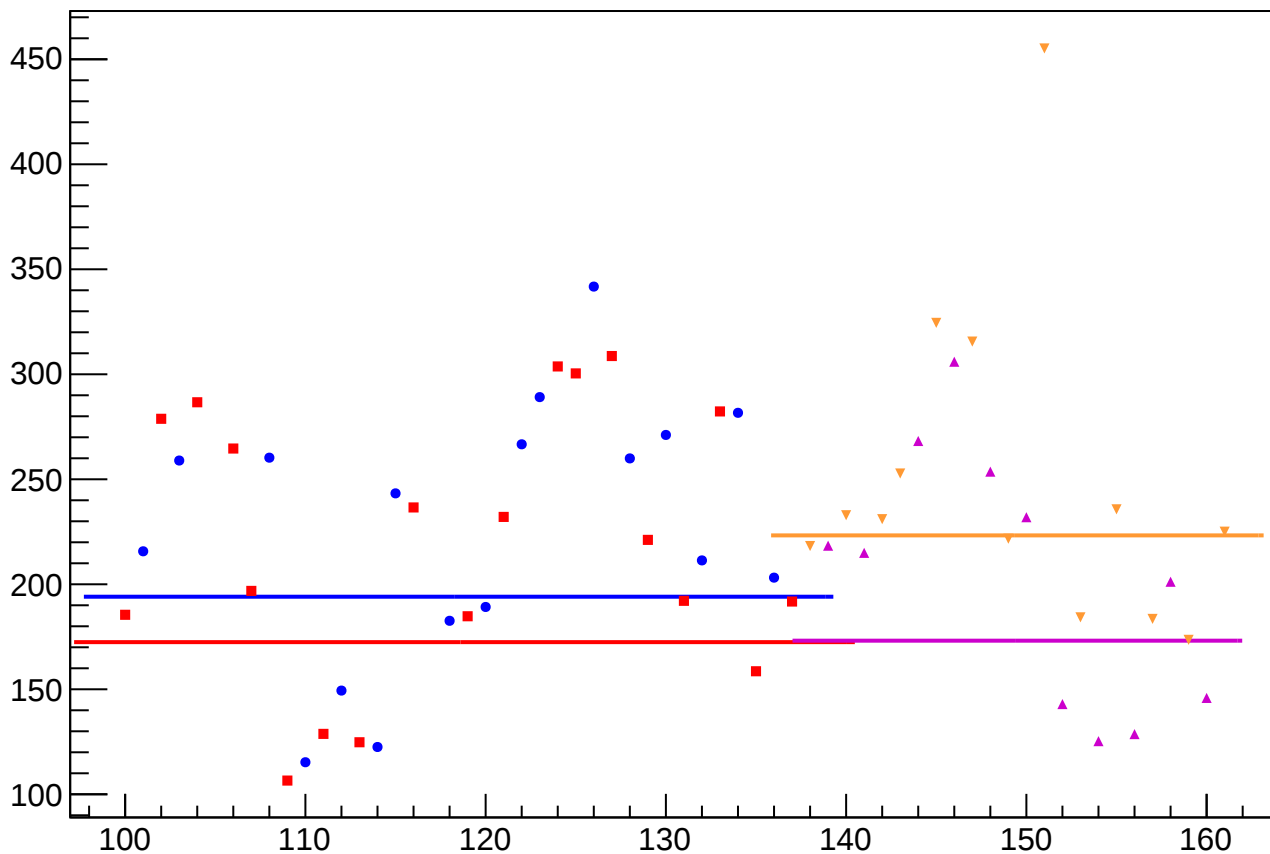
Right Out: -6.194+/-70.182 χ^2/NDF : 6.5/18

Left In: -56.042+/-62.630 χ^2/NDF : 4.8/10

53.565+/-54.304 χ^2/NDF : 10.6/29

-33.943+/-46.729 χ^2/NDF : 11.6/29

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: 223.285 $\pm$ 0.053 χ^2 /NDF:958881.8/12

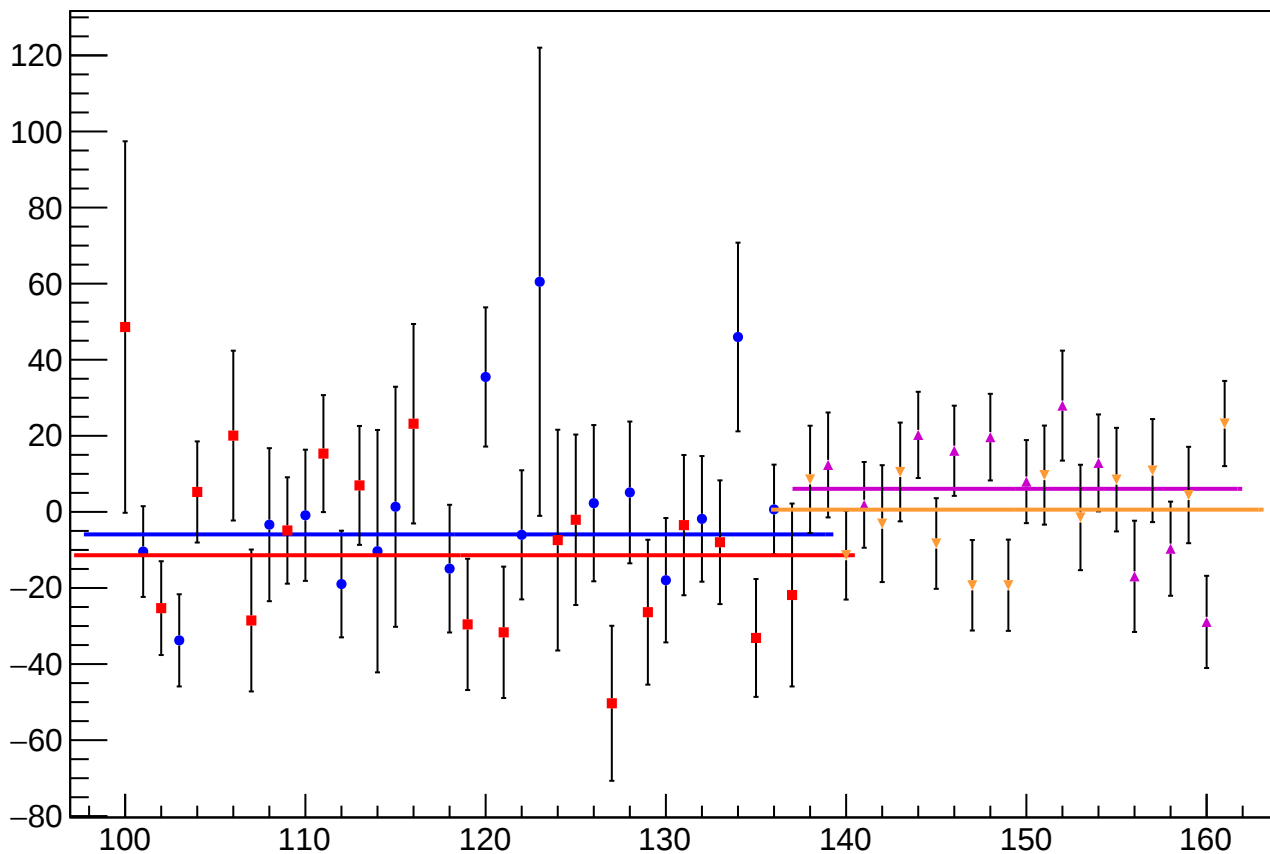
Right Out: 172.452 $\pm$ 0.050 χ^2 /NDF: 1569463.1/18

Left In: 173.146 $\pm$ 0.044 χ^2 /NDF:1438085.1/10

209.567 $\pm$ 0.038 χ^2 /NDF: 2108353.9/29

172.838 $\pm$ 0.033 χ^2 /NDF: 3007657.1/29

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.912 ± 4.133 χ^2/NDF : 18.8/16

Left Out: 0.592 ± 3.541 χ^2/NDF : 13.7/12

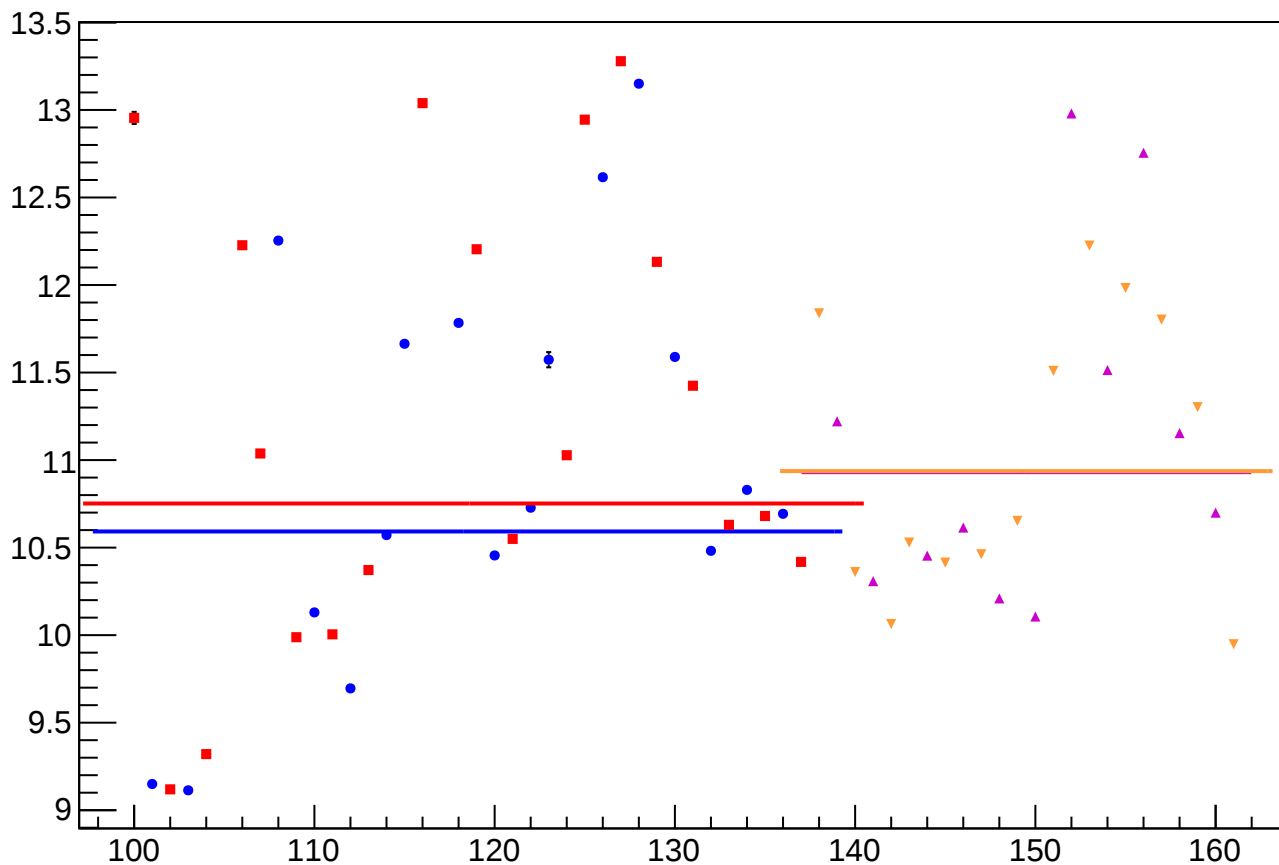
Right Out: -11.391 ± 4.079 χ^2/NDF : 22.9/18

Left In: 6.066 ± 3.699 χ^2/NDF : 19.1/10

-2.162 ± 2.689 χ^2/NDF : 34.0/29

-1.812 ± 2.740 χ^2/NDF : 52.0/29

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.592 ± 0.003 χ^2/NDF : 160397.9/16

Left Out: 10.937 ± 0.003 χ^2/NDF : 88023.2/12

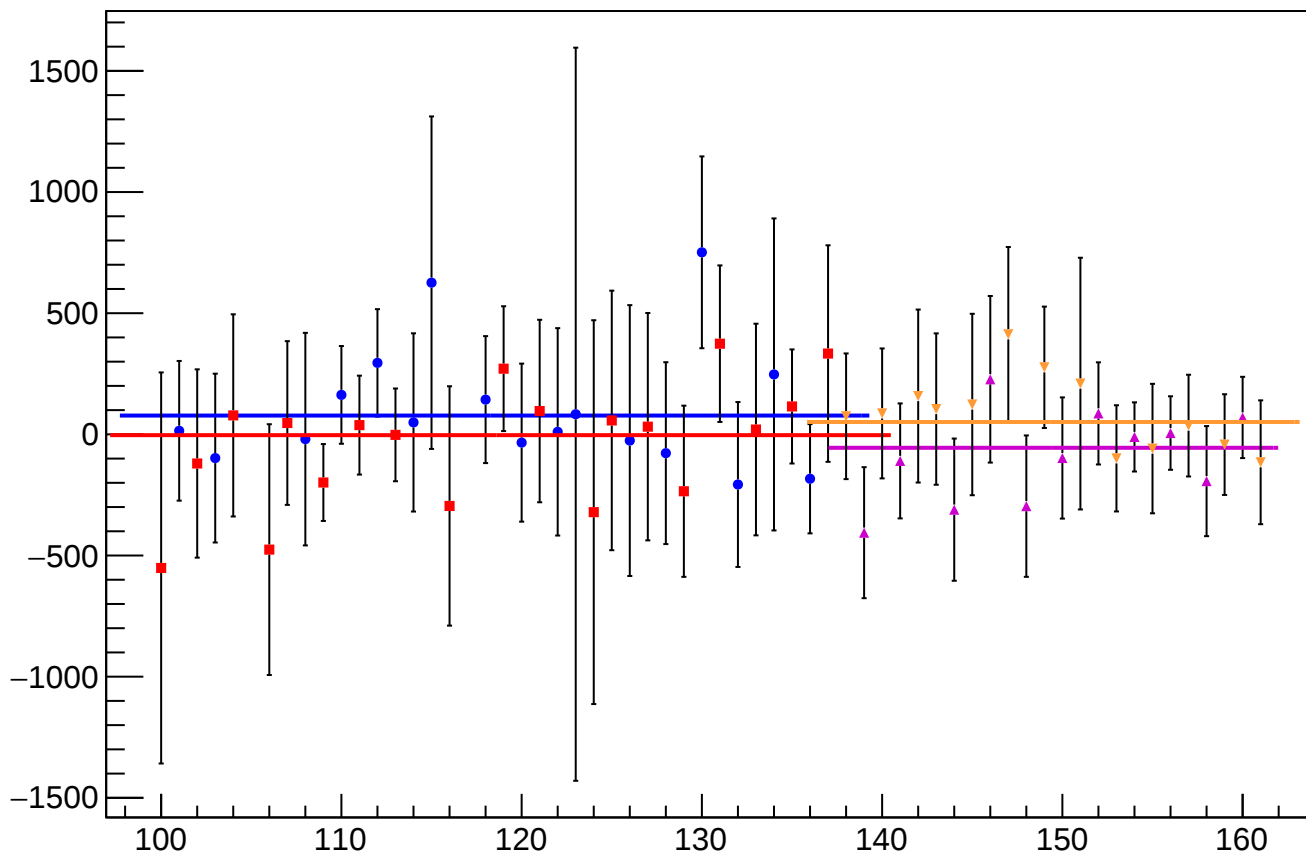
Right Out: 10.752 ± 0.003 χ^2/NDF : 176895.3/18

Left In: 10.931 ± 0.003 χ^2/NDF : 108285.0/10

10.791 ± 0.002 χ^2/NDF : 256446.3/29

10.850 ± 0.002 χ^2/NDF : 287294.0/29

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: 51.087 $\pm$ 75.089 χ^2 /NDF: 3.4/12

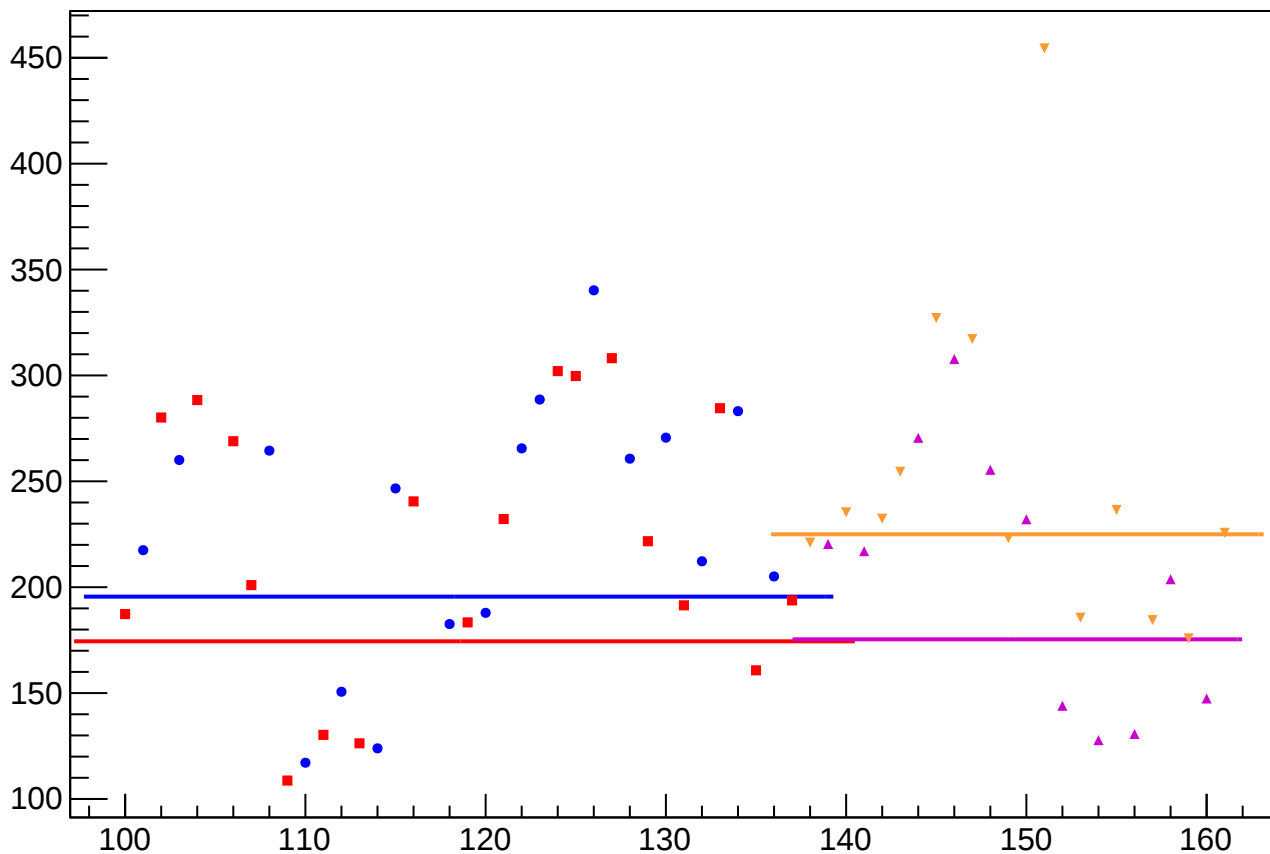
Right Out: -3.305 $\pm$ 70.855 χ^2 /NDF: 7.4/18

Left In: -55.448 $\pm$ 63.334 χ^2 /NDF: 5.5/10

63.541 $\pm$ 54.670 χ^2 /NDF: 11.0/29

-32.290 $\pm$ 47.220 χ^2 /NDF: 13.2/29

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.551+/-0.056 χ^2/NDF : 979937.7/16

Left Out: 224.981+/-0.053 χ^2/NDF : 947199.9/12

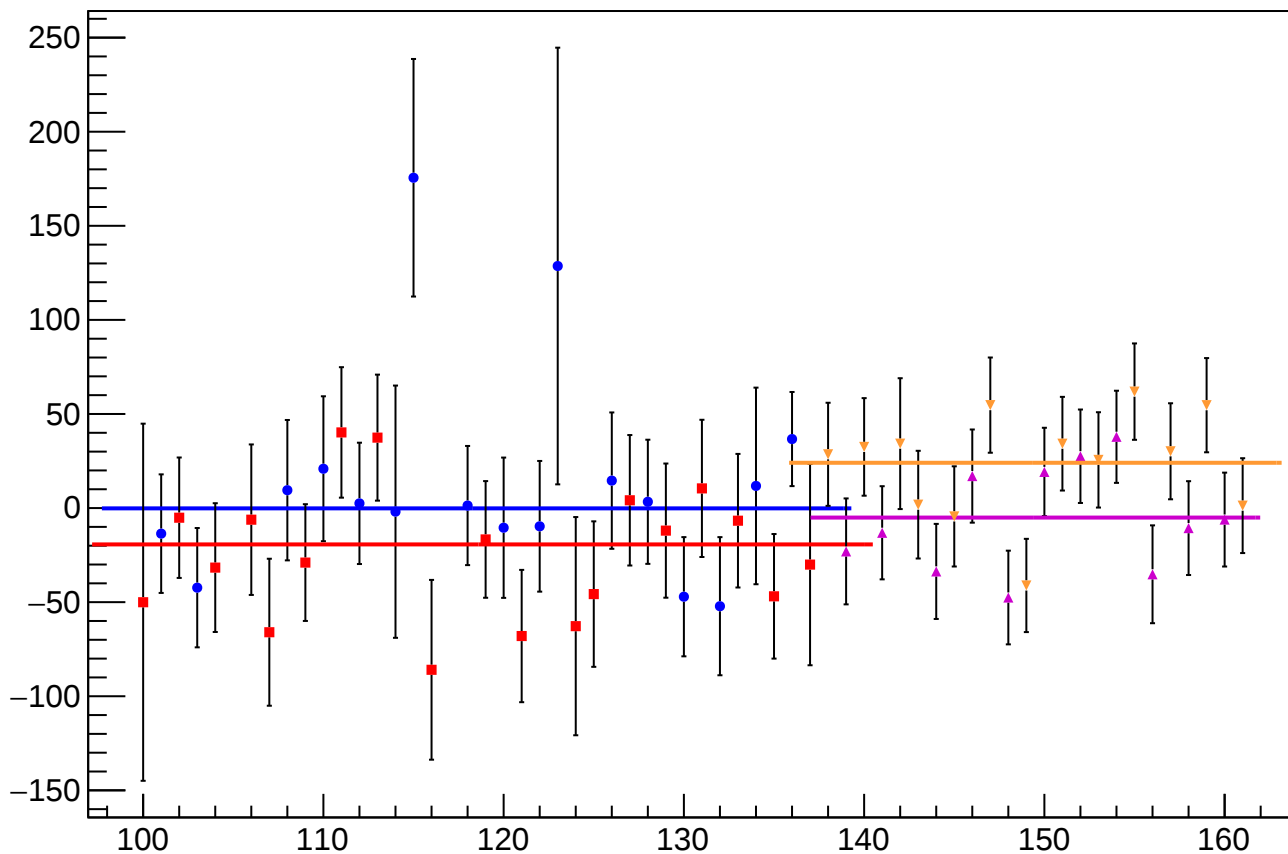
211.151+/-0.039 χ^2/NDF : 2071505.3/29

Right Out: 174.449+/-0.050 χ^2/NDF : 1528629.1/18

174.968+/-0.033 χ^2/NDF : 2933373.5/29

Left In: 175.383+/-0.045 χ^2/NDF : 1404551.2/10

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: 24.068 ± 7.279 $\chi^2/\text{NDF}: 15.1/12$

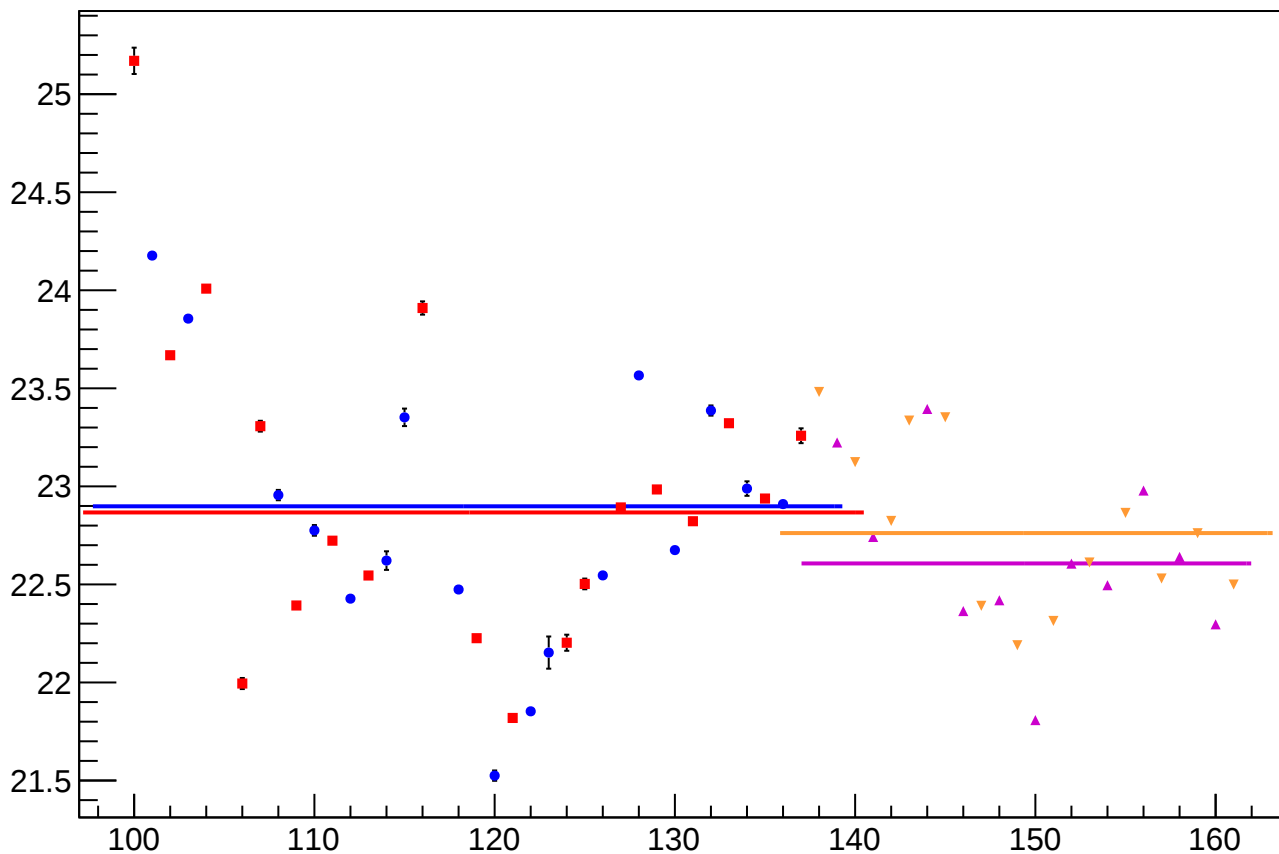
Right Out: -19.316 ± 8.554 $\chi^2/\text{NDF}: 14.8/18$

Left In: -5.050 ± 7.557 $\chi^2/\text{NDF}: 12.8/10$

14.261 ± 5.616 $\chi^2/\text{NDF}: 37.6/29$

-11.304 ± 5.663 $\chi^2/\text{NDF}: 29.1/29$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.898 ± 0.006 $\chi^2/\text{NDF}: 12143.3/16$

Left Out: 22.762 ± 0.005 $\chi^2/\text{NDF}: 6191.7/12$

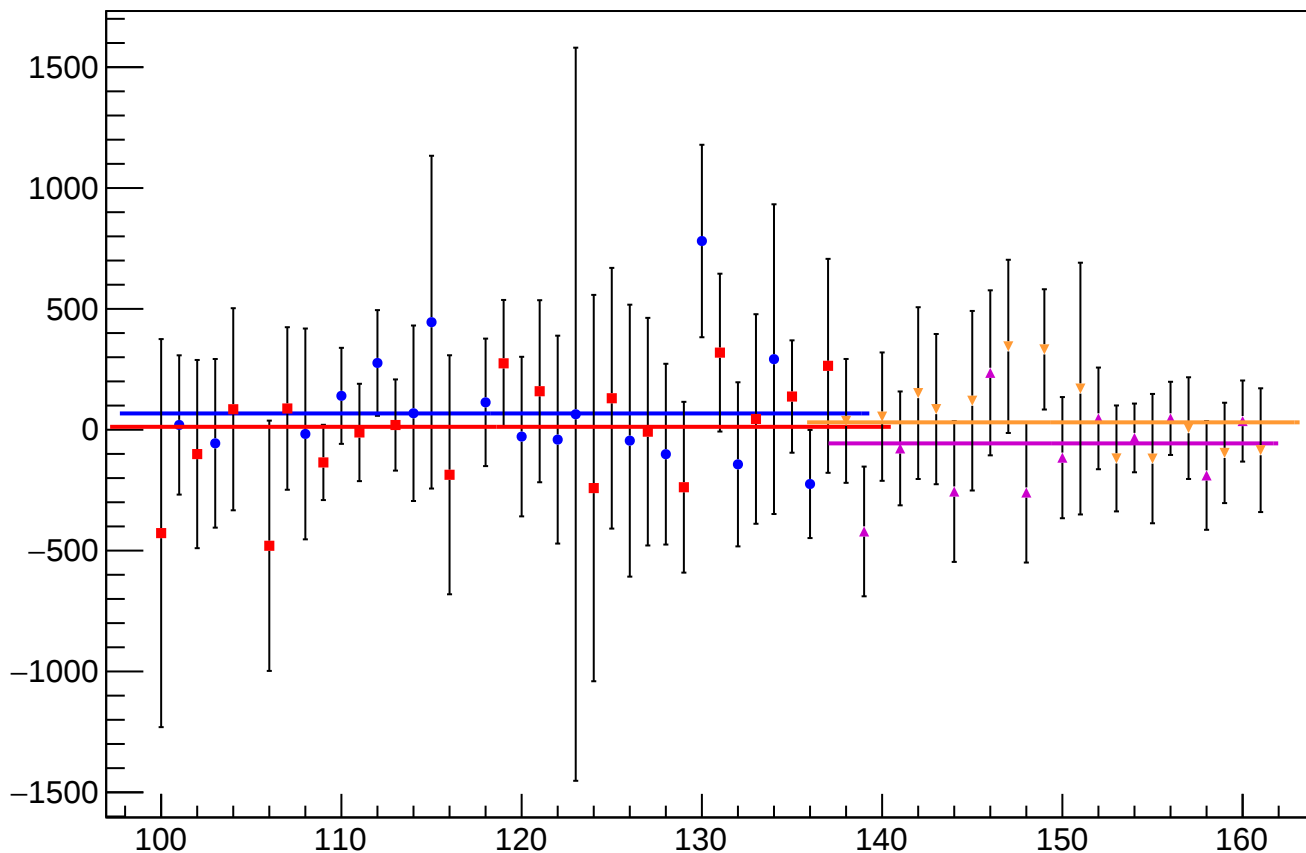
Right Out: 22.867 ± 0.006 $\chi^2/\text{NDF}: 11048.4/18$

Left In: 22.607 ± 0.005 $\chi^2/\text{NDF}: 6355.4/10$

22.817 ± 0.004 $\chi^2/\text{NDF}: 18619.6/29$

22.721 ± 0.004 $\chi^2/\text{NDF}: 18441.6/29$

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: 30.634+/-74.864 χ^2/NDF : 3.9/12

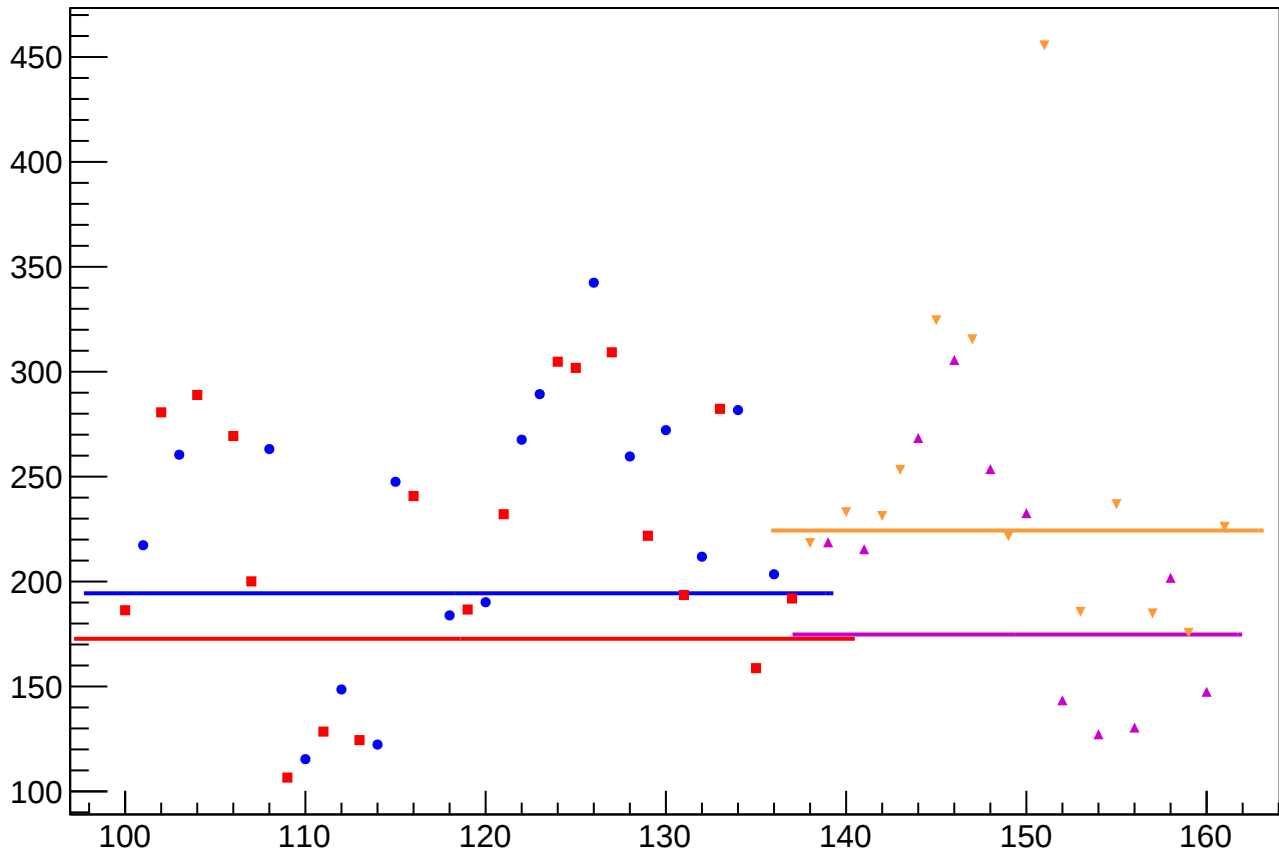
Right Out: 12.117+/-70.355 χ^2/NDF : 5.8/18

Left In: -56.444+/-63.103 χ^2/NDF : 5.0/10

47.959+/-54.471 χ^2/NDF : 11.4/29

-25.878+/-46.976 χ^2/NDF : 11.3/29

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: 224.331+/-0.053 χ^2/NDF : 938396.5/12

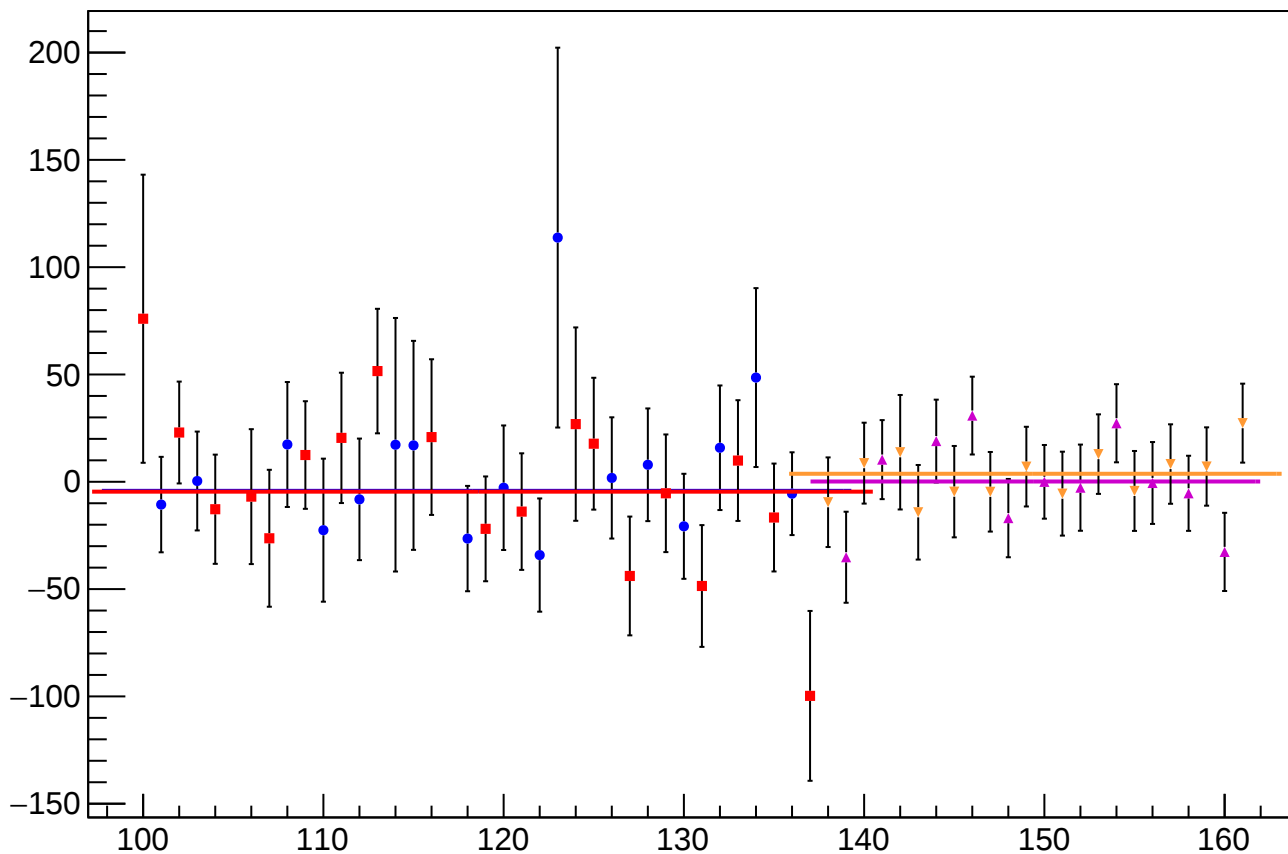
210.251+/-0.039 χ^2/NDF : 2108647.7/29

Right Out: 172.730+/-0.050 χ^2/NDF : 1596758.0/18

173.859+/-0.033 χ^2/NDF : 2987852.9/29

Left In: 174.767+/-0.045 χ^2/NDF : 1390166.0/10

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: 3.736 ± 5.434 $\chi^2/\text{NDF}: 4.1/12$

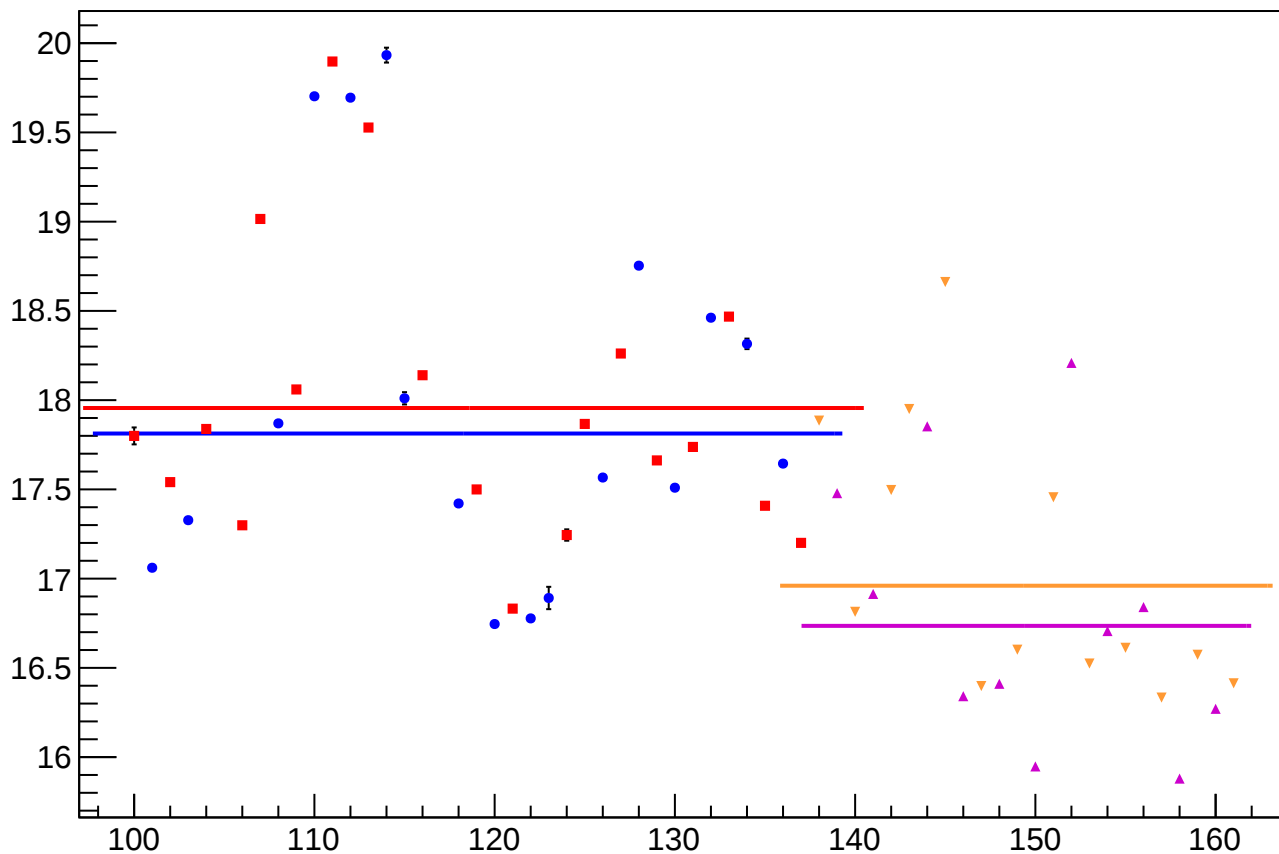
Right Out: -4.599 ± 6.725 $\chi^2/\text{NDF}: 21.1/18$

Left In: 0.132 ± 5.606 $\chi^2/\text{NDF}: 13.4/10$

0.674 ± 4.262 $\chi^2/\text{NDF}: 12.9/29$

-1.808 ± 4.306 $\chi^2/\text{NDF}: 34.7/29$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.813 ± 0.005 $\chi^2/\text{NDF}: 32034.8/16$

Left Out: 16.960 ± 0.004 $\chi^2/\text{NDF}: 32289.7/12$

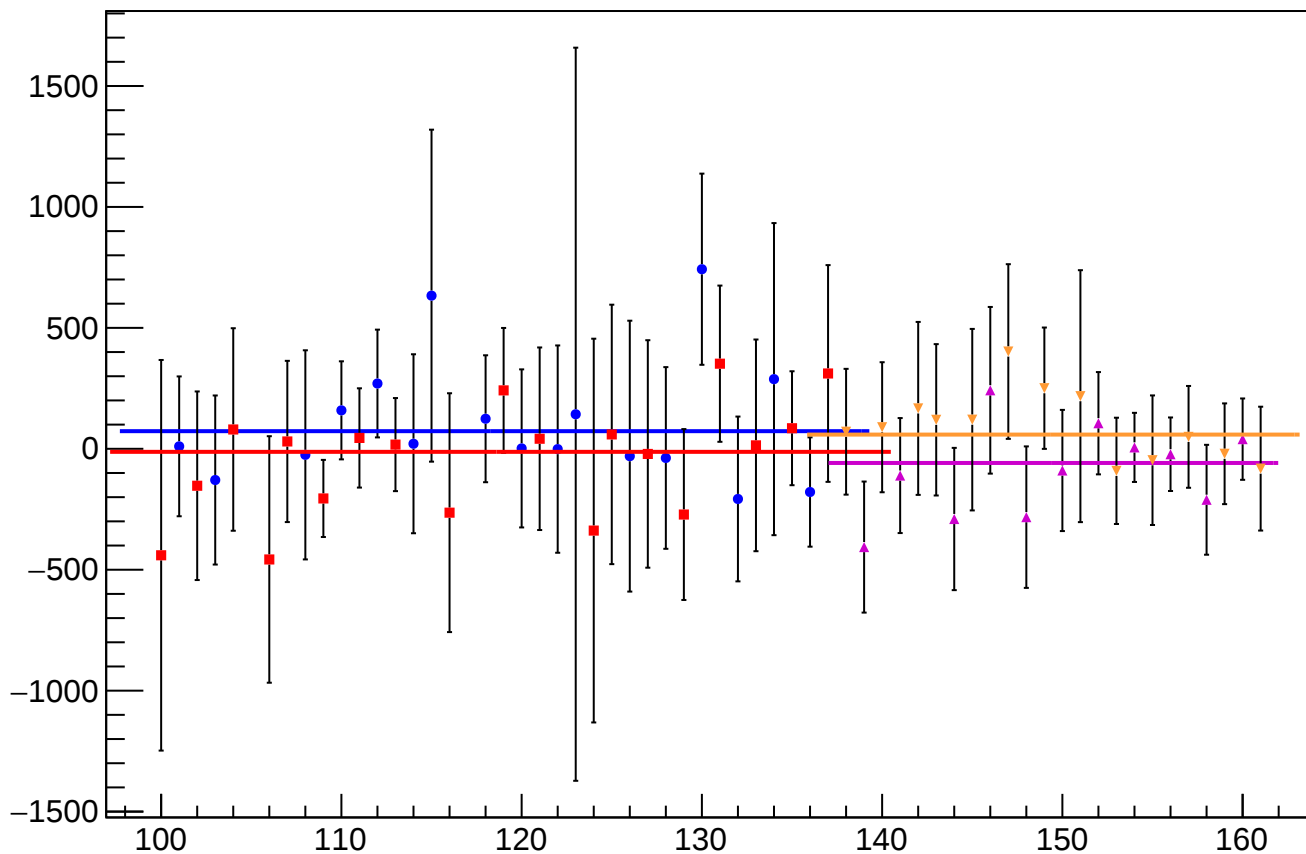
Right Out: 17.956 ± 0.005 $\chi^2/\text{NDF}: 25445.3/18$

Left In: 16.735 ± 0.004 $\chi^2/\text{NDF}: 32060.2/10$

17.288 ± 0.003 $\chi^2/\text{NDF}: 83273.6/29$

17.236 ± 0.003 $\chi^2/\text{NDF}: 96377.8/29$

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: 58.757+/-75.261 χ^2/NDF : 2.8/12

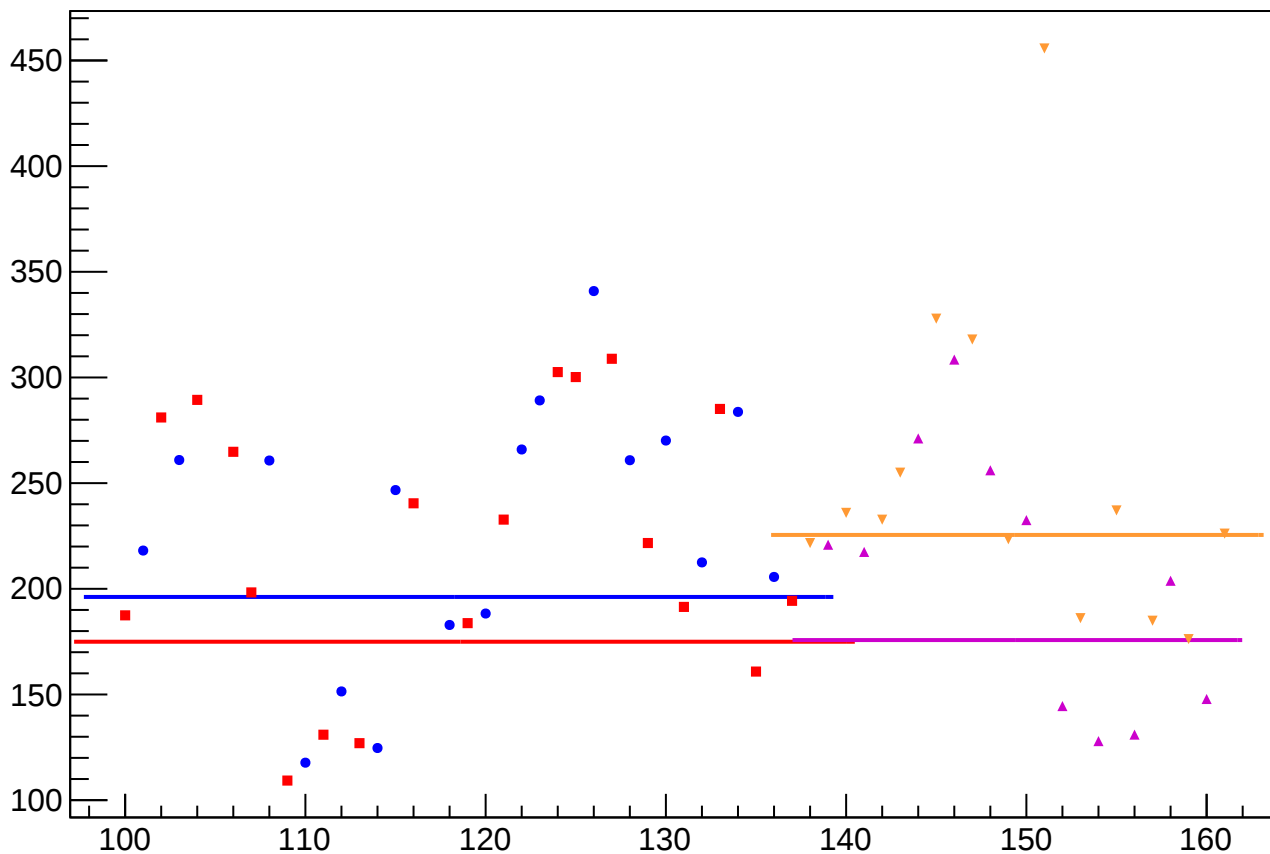
Right Out: -12.565+/-71.013 χ^2/NDF : 6.7/18

Left In: -58.559+/-63.466 χ^2/NDF : 5.3/10

65.396+/-54.800 χ^2/NDF : 10.1/29

-38.135+/-47.321 χ^2/NDF : 12.3/29

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.151+/-0.057 χ^2/NDF : 964998.4/16

Left Out: 225.495+/-0.053 χ^2/NDF : 947134.0/12

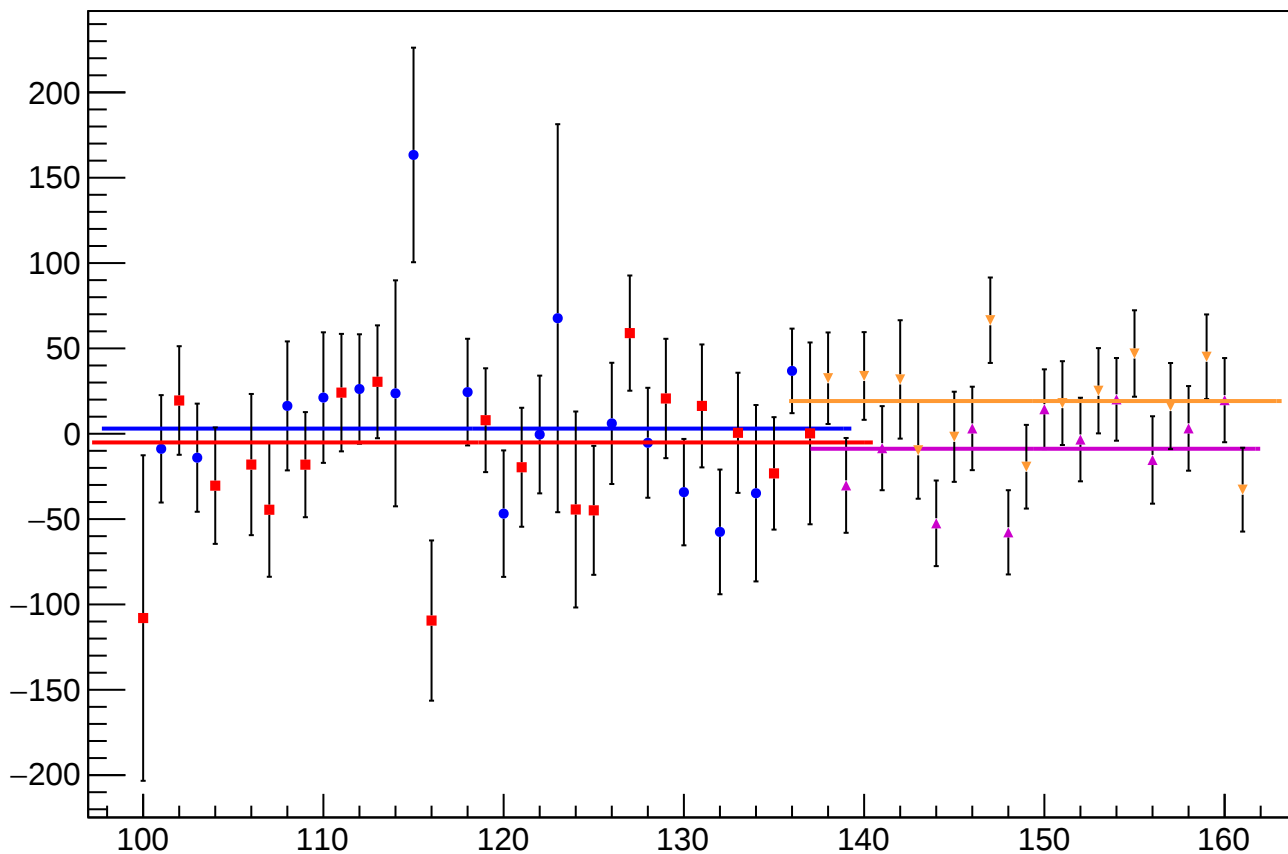
Right Out: 174.965+/-0.050 χ^2/NDF : 1510956.5/18

Left In: 175.749+/-0.045 χ^2/NDF : 1404001.9/10

211.709+/-0.039 χ^2/NDF : 2054984.2/29

175.401+/-0.033 χ^2/NDF : 2915094.1/29

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.022 ± 8.751 χ^2/NDF : 17.2/16

Left Out: 19.155 ± 7.188 χ^2/NDF : 15.3/12

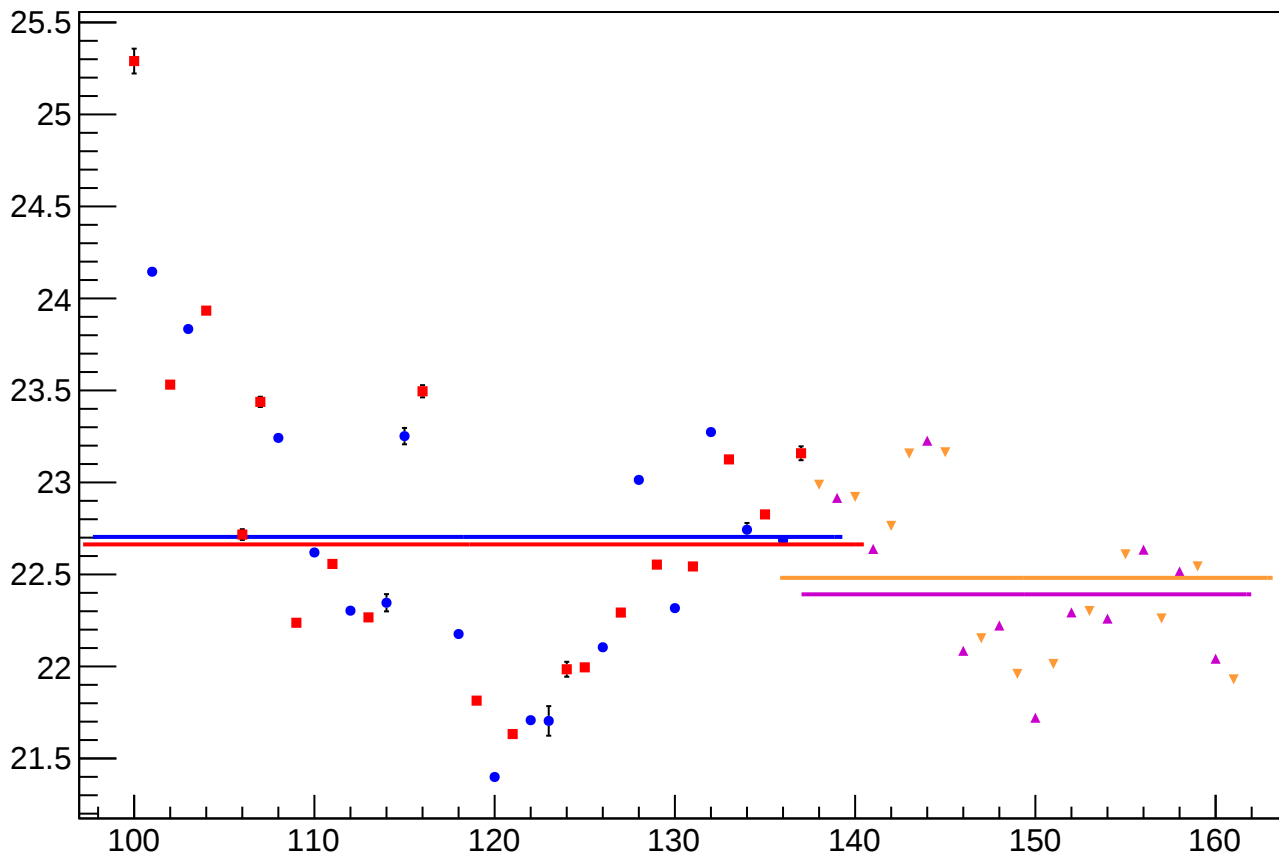
Right Out: -5.092 ± 8.477 χ^2/NDF : 17.2/18

Left In: -8.797 ± 7.485 χ^2/NDF : 11.9/10

12.655 ± 5.555 χ^2/NDF : 34.5/29

-7.174 ± 5.611 χ^2/NDF : 29.2/29

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: 22.482 ± 0.005 χ^2/NDF : 7206.1/12

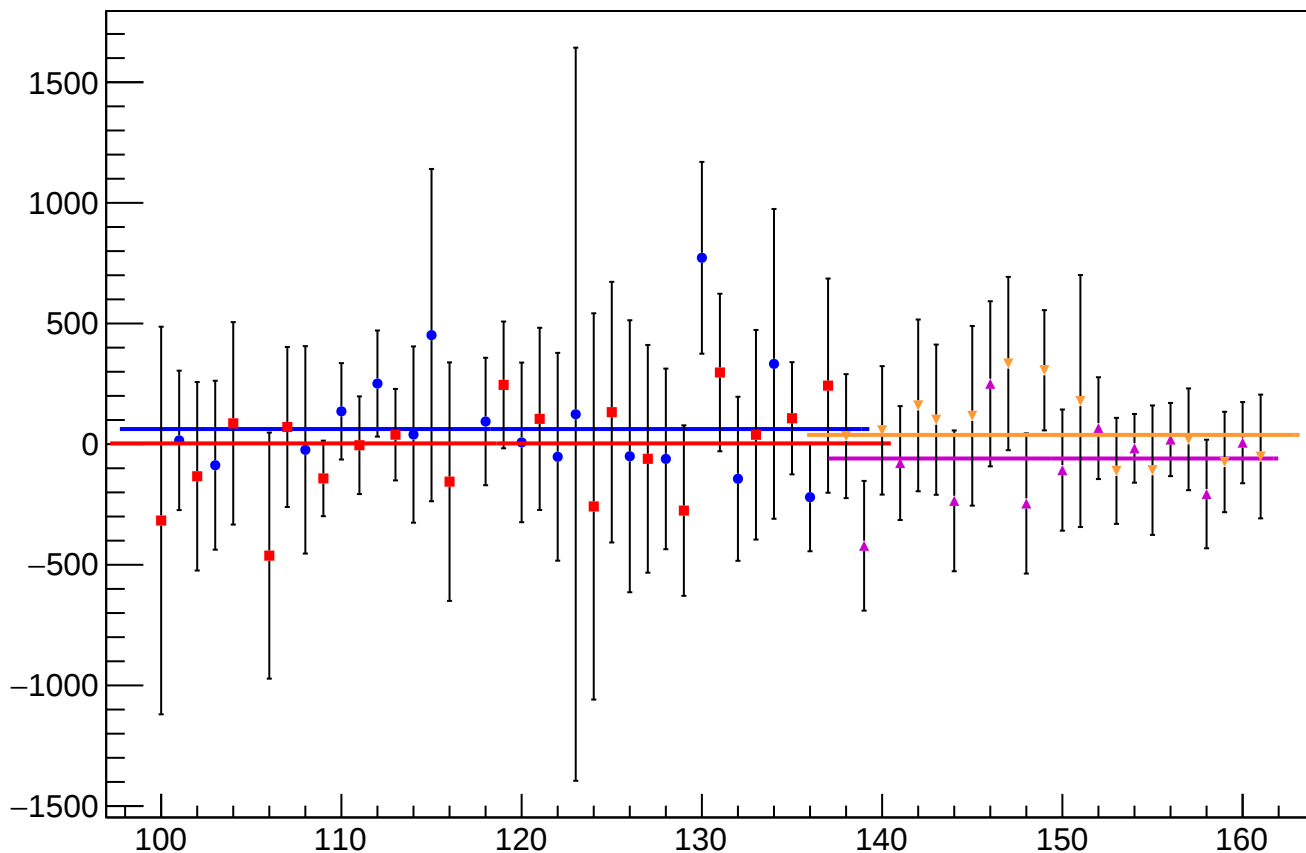
Right Out: 22.663 ± 0.006 χ^2/NDF : 12943.4/18

Left In: 22.392 ± 0.005 χ^2/NDF : 5912.2/10

22.571 ± 0.004 χ^2/NDF : 22082.6/29

22.511 ± 0.004 χ^2/NDF : 20006.1/29

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 62.573+/-79.605 χ^2/NDF : 7.0/16

Left Out: 38.385+/-75.036 χ^2/NDF : 3.3/12

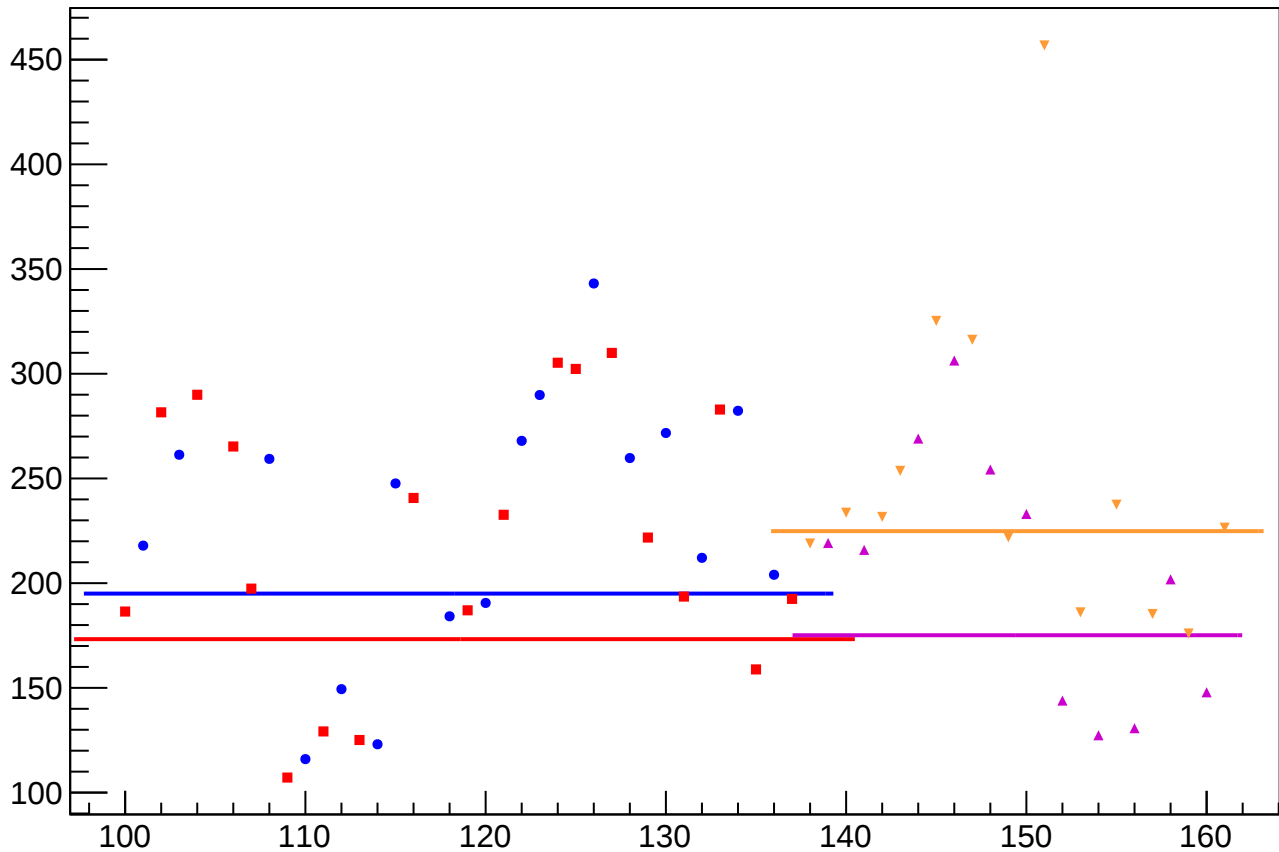
Right Out: 3.038+/-70.518 χ^2/NDF : 5.2/18

Left In: -59.503+/-63.235 χ^2/NDF : 4.7/10

49.765+/-54.602 χ^2/NDF : 10.4/29

-31.628+/-47.079 χ^2/NDF : 10.4/29

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: 224.845 $\pm$ 0.053 χ^2 /NDF:938360.9/12

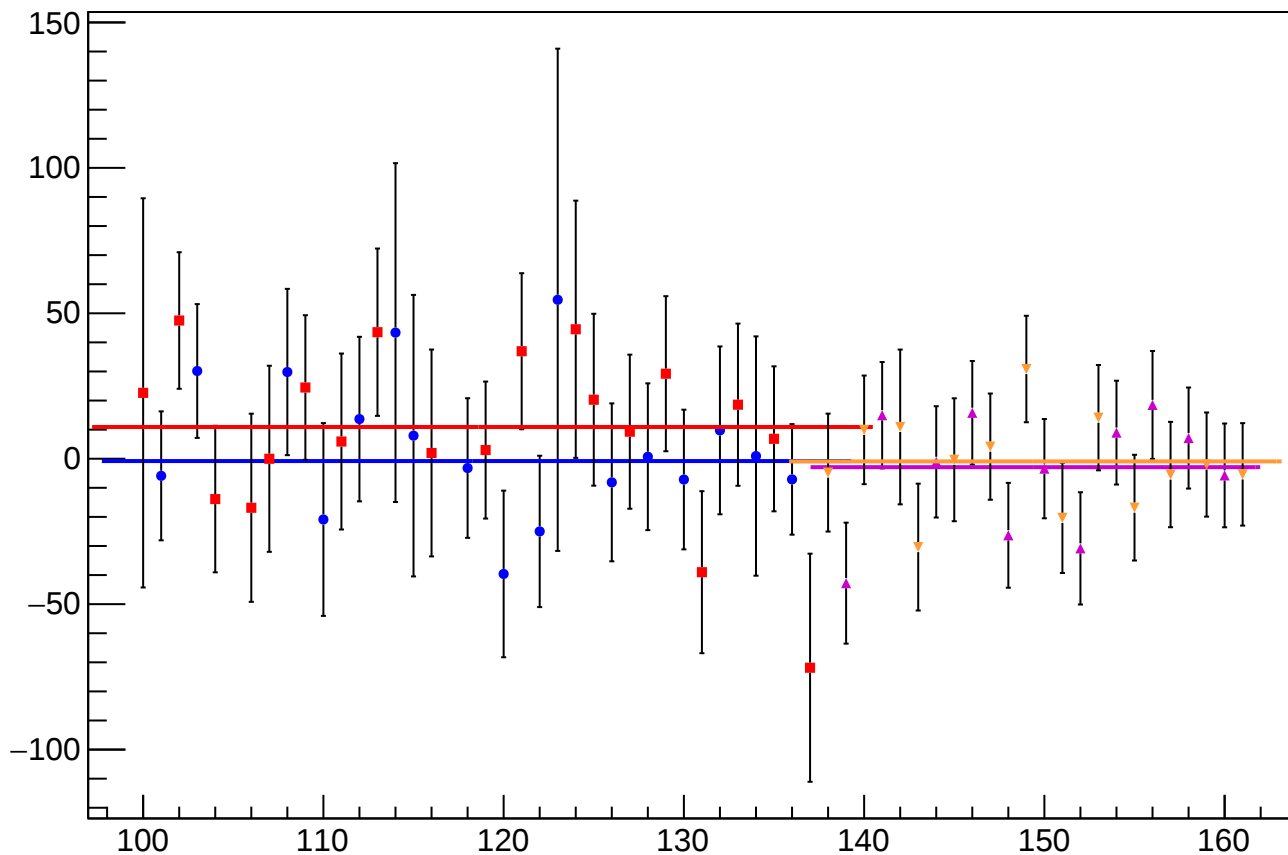
210.814 $\pm$ 0.039 χ^2 /NDF: 2091285.5/29

Right Out: 173.262 $\pm$ 0.050 χ^2 /NDF: 1578202.7/18

174.299 $\pm$ 0.033 χ^2 /NDF: 2968708.3/29

Left In: 175.132 $\pm$ 0.045 χ^2 /NDF:1389725.5/10

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: -0.921 ± 5.323 $\chi^2/\text{NDF}: 8.1/12$

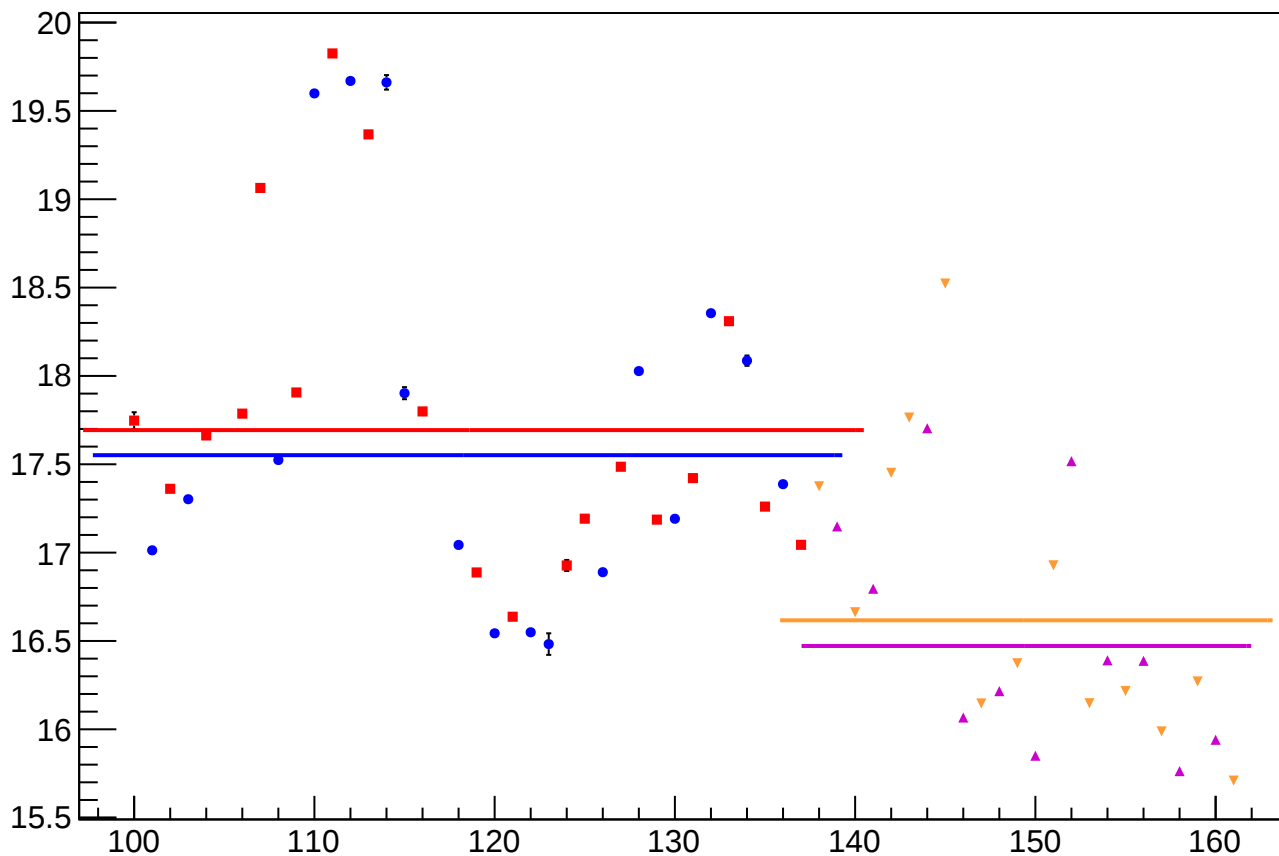
Right Out: 10.912 ± 6.626 $\chi^2/\text{NDF}: 15.9/18$

Left In: -2.904 ± 5.515 $\chi^2/\text{NDF}: 11.7/10$

-0.875 ± 4.184 $\chi^2/\text{NDF}: 15.9/29$

2.749 ± 4.239 $\chi^2/\text{NDF}: 30.2/29$

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.552 $\pm$ 0.005 χ^2 /NDF: 34027.1/16

Left Out: 16.617 $\pm$ 0.004 χ^2 /NDF:39584.2/12

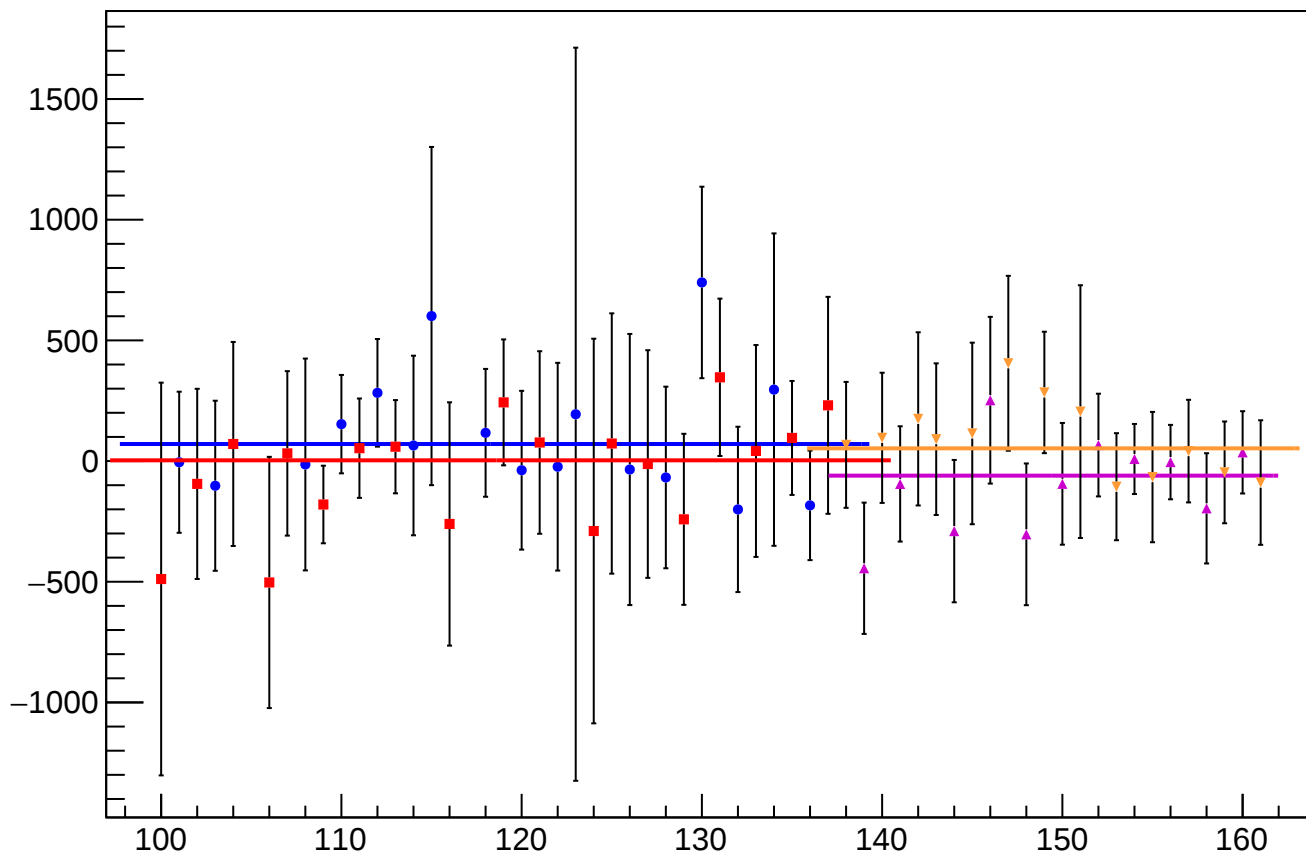
Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30742.0/18

Left In: 16.472 $\pm$ 0.004 χ^2 /NDF:26182.9/10

16.974 $\pm$ 0.003 χ^2 /NDF: 97168.3/29

16.972 $\pm$ 0.003 χ^2 /NDF: 97089.3/29

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: 52.688+/-75.772 χ^2/NDF : 3.3/12

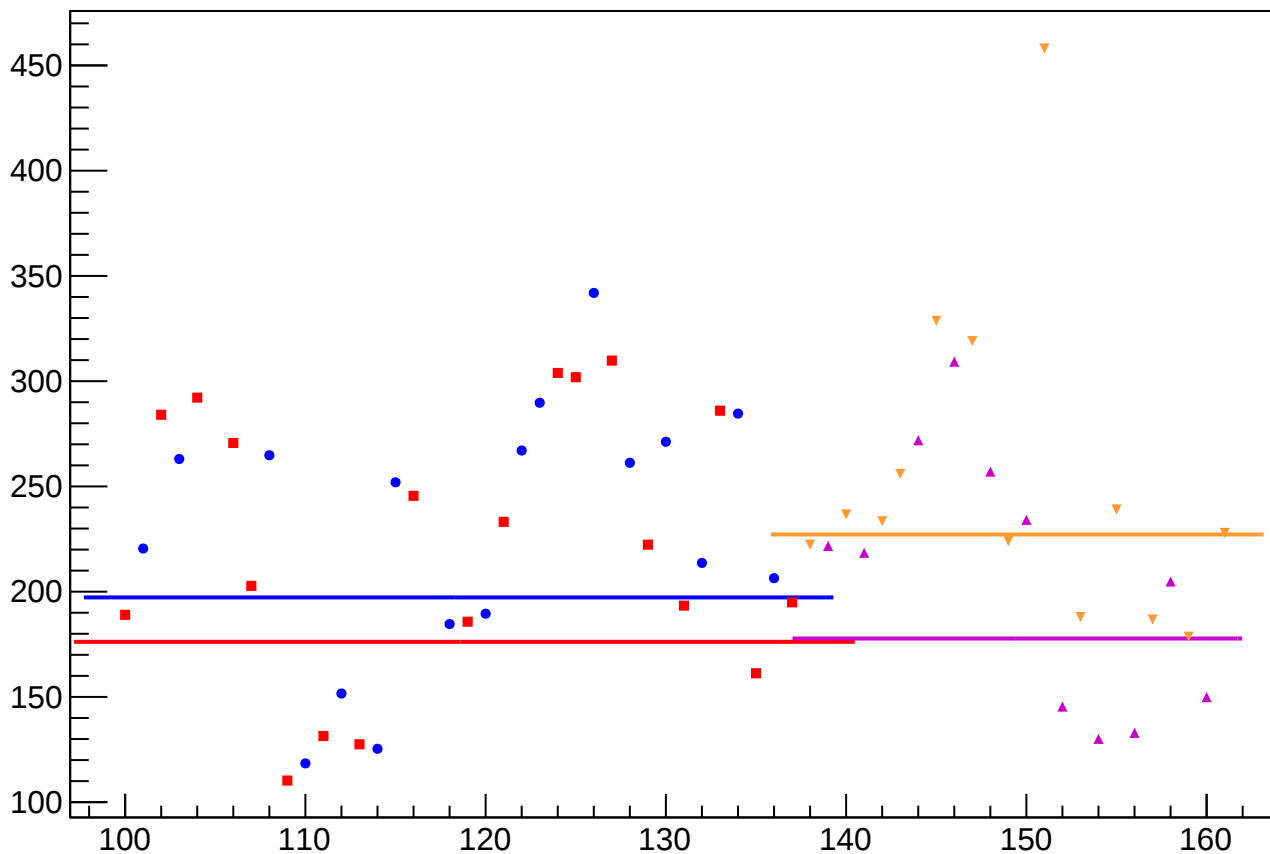
Right Out: 3.063+/-71.508 χ^2/NDF : 6.2/18

Left In: -60.430+/-64.092 χ^2/NDF : 5.5/10

61.129+/-55.145 χ^2/NDF : 10.5/29

-32.145+/-47.727 χ^2/NDF : 12.1/29

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: 227.184+/-0.054 χ^2/NDF : 928696.1/12

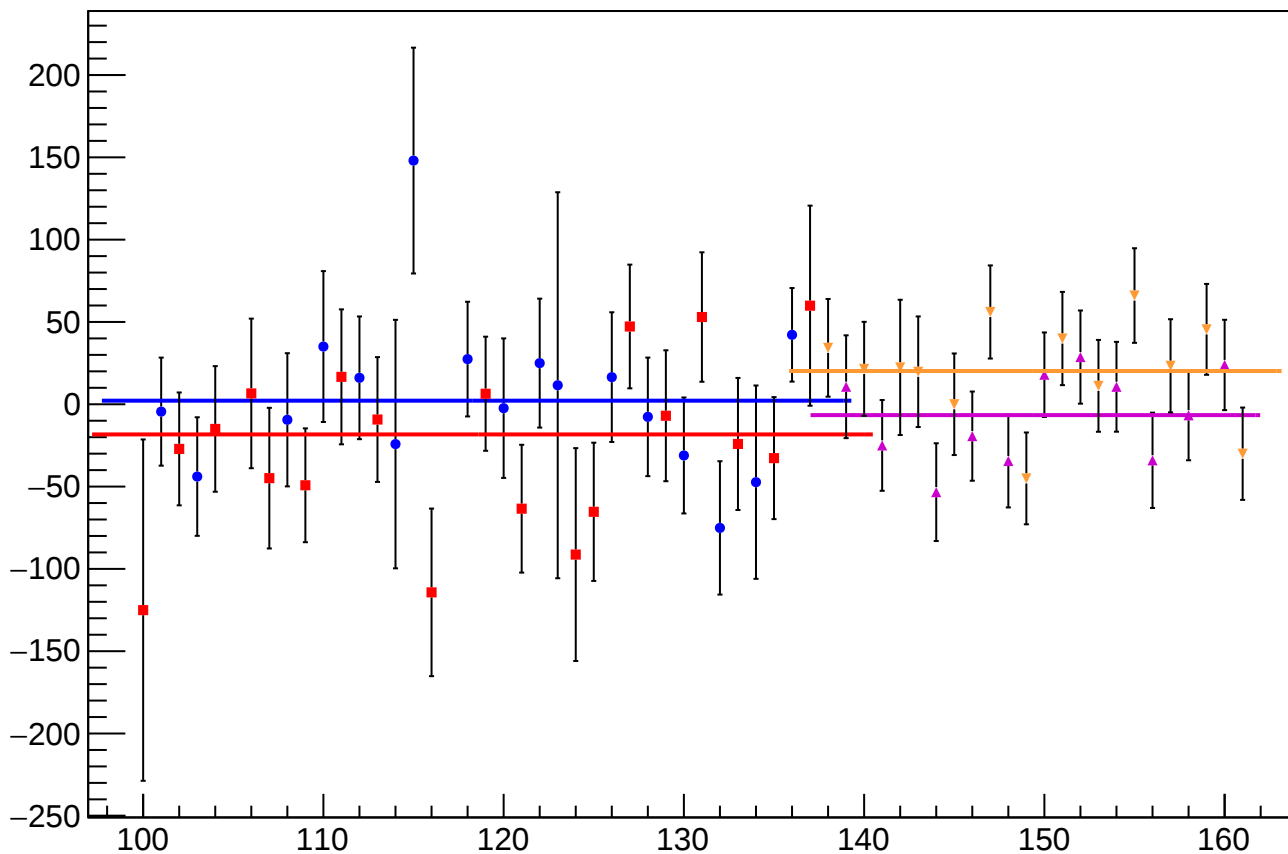
213.115+/-0.039 χ^2/NDF : 2044842.9/29

Right Out: 176.181+/-0.051 χ^2/NDF : 1519707.5/18

177.052+/-0.034 χ^2/NDF : 2882530.2/29

Left In: 177.752+/-0.045 χ^2/NDF : 1362287.1/10

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.178+/-9.825 χ^2/NDF : 15.4/16

Left Out: 20.204+/-8.166 χ^2/NDF : 14.9/12

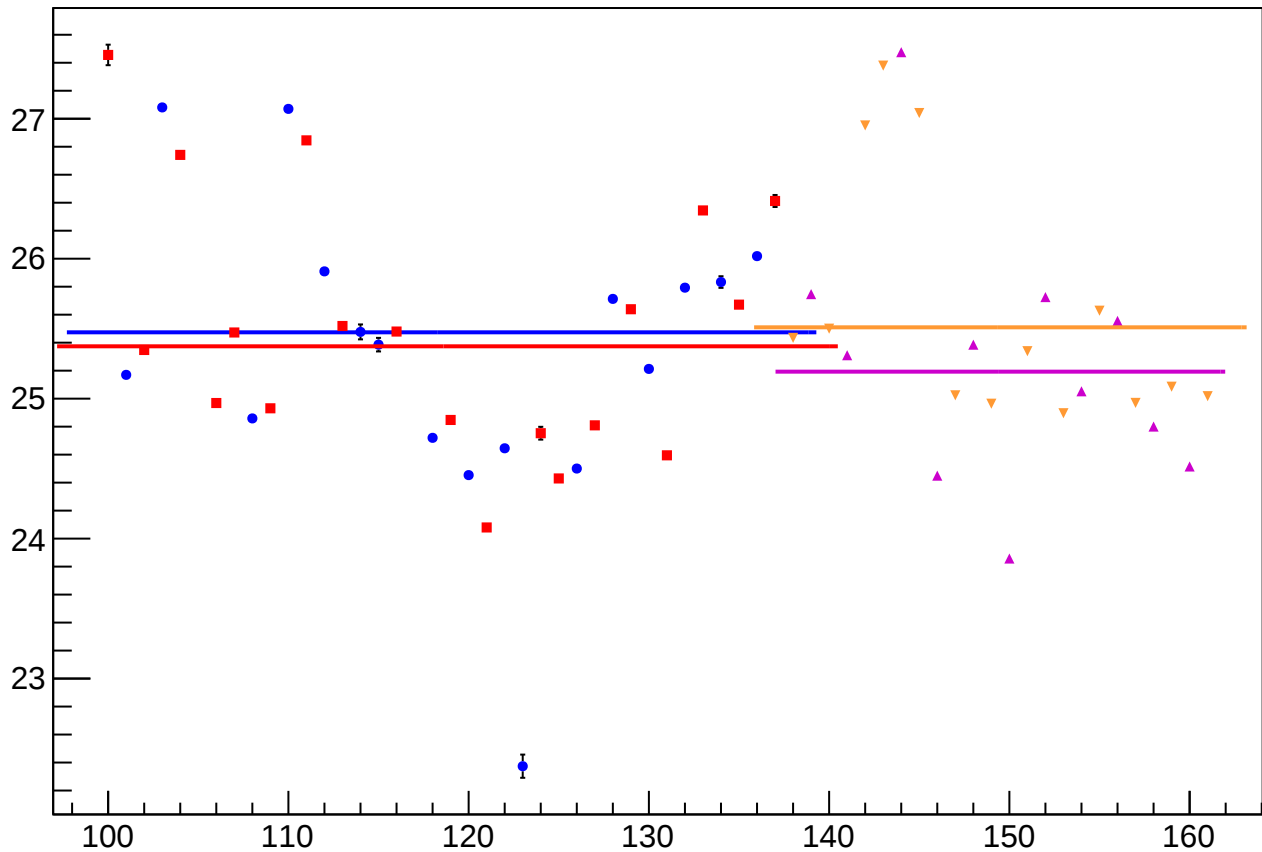
Right Out: -18.320+/-9.497 χ^2/NDF : 19.6/18

Left In: -6.599+/-8.432 χ^2/NDF : 9.4/10

12.840+/-6.280 χ^2/NDF : 32.3/29

-11.766+/-6.305 χ^2/NDF : 29.9/29

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: 25.510 ± 0.006 χ^2/NDF : 17846.5/12

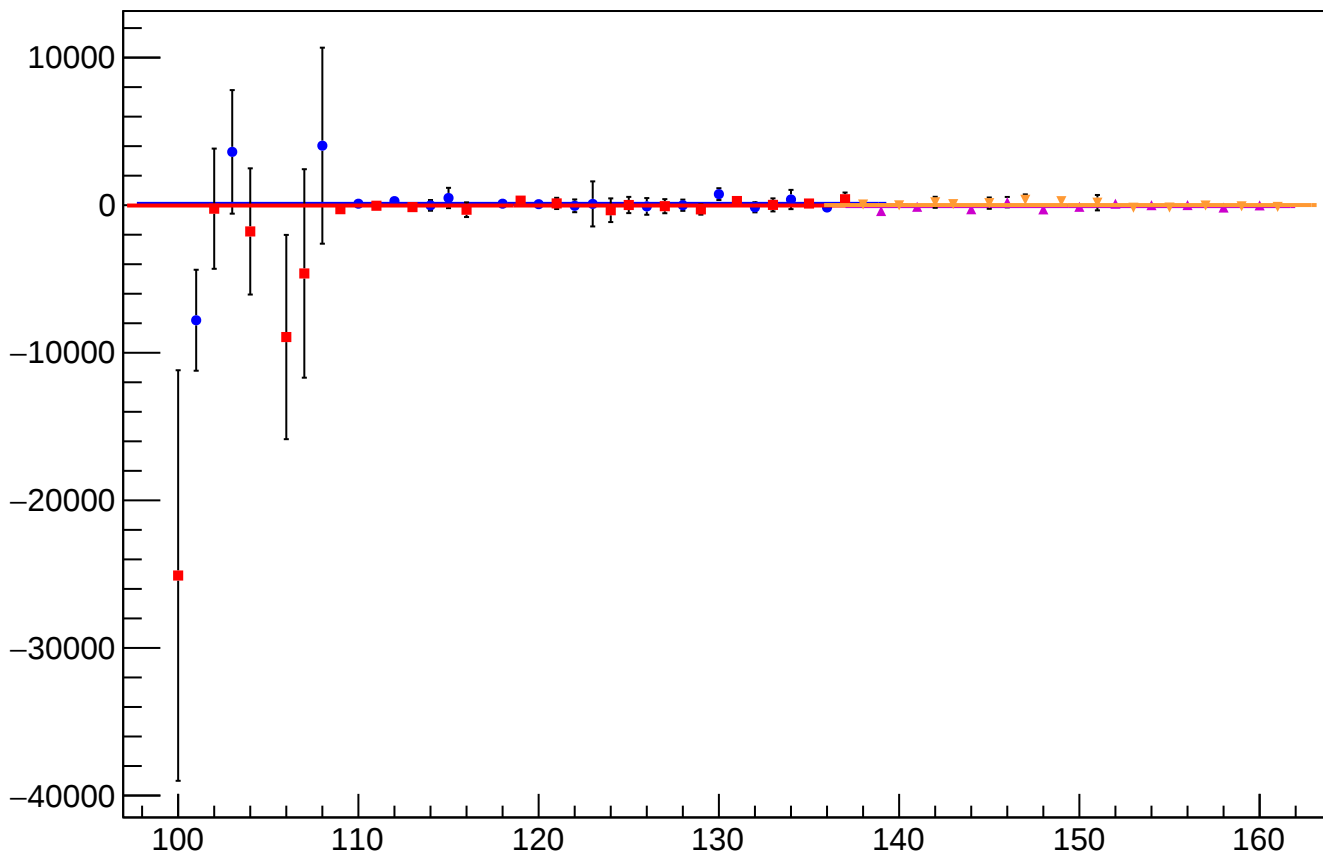
Right Out: 25.374 ± 0.007 χ^2/NDF : 13581.2/18

Left In: 25.193 ± 0.006 χ^2/NDF : 22198.4/10

25.495 ± 0.004 χ^2/NDF : 31923.3/29

25.273 ± 0.004 χ^2/NDF : 36186.3/29

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 89.619 $\pm$ 87.630 χ^2 /NDF: 12.3/16

Left Out: 9.062 $\pm$ 77.178 χ^2 /NDF: 3.9/12

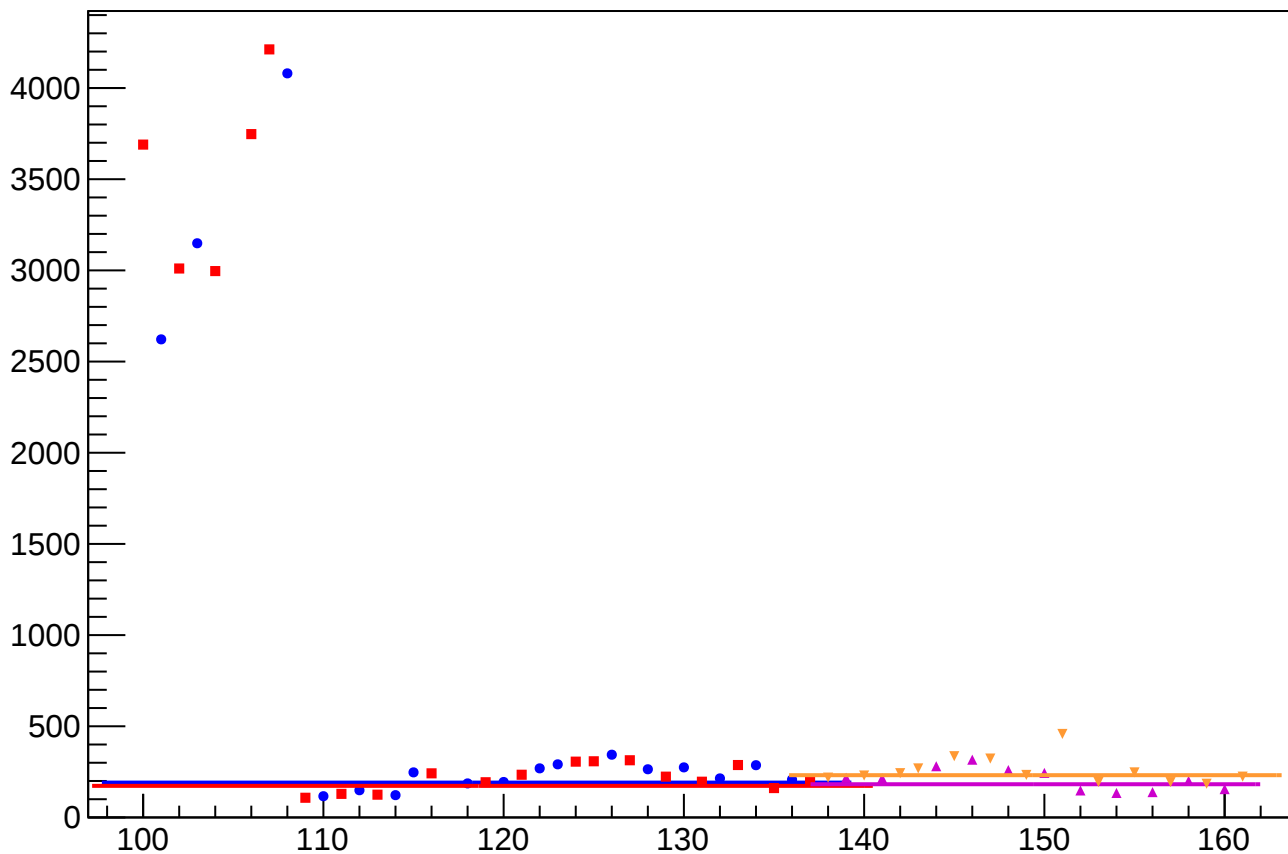
Right Out: -22.614 $\pm$ 80.902 χ^2 /NDF: 11.9/18

Left In: -62.499 $\pm$ 65.464 χ^2 /NDF: 4.4/10

44.252 $\pm$ 57.918 χ^2 /NDF: 16.7/29

-46.717 $\pm$ 50.890 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: 231.803 ± 0.055 χ^2/NDF : 893368.8/12

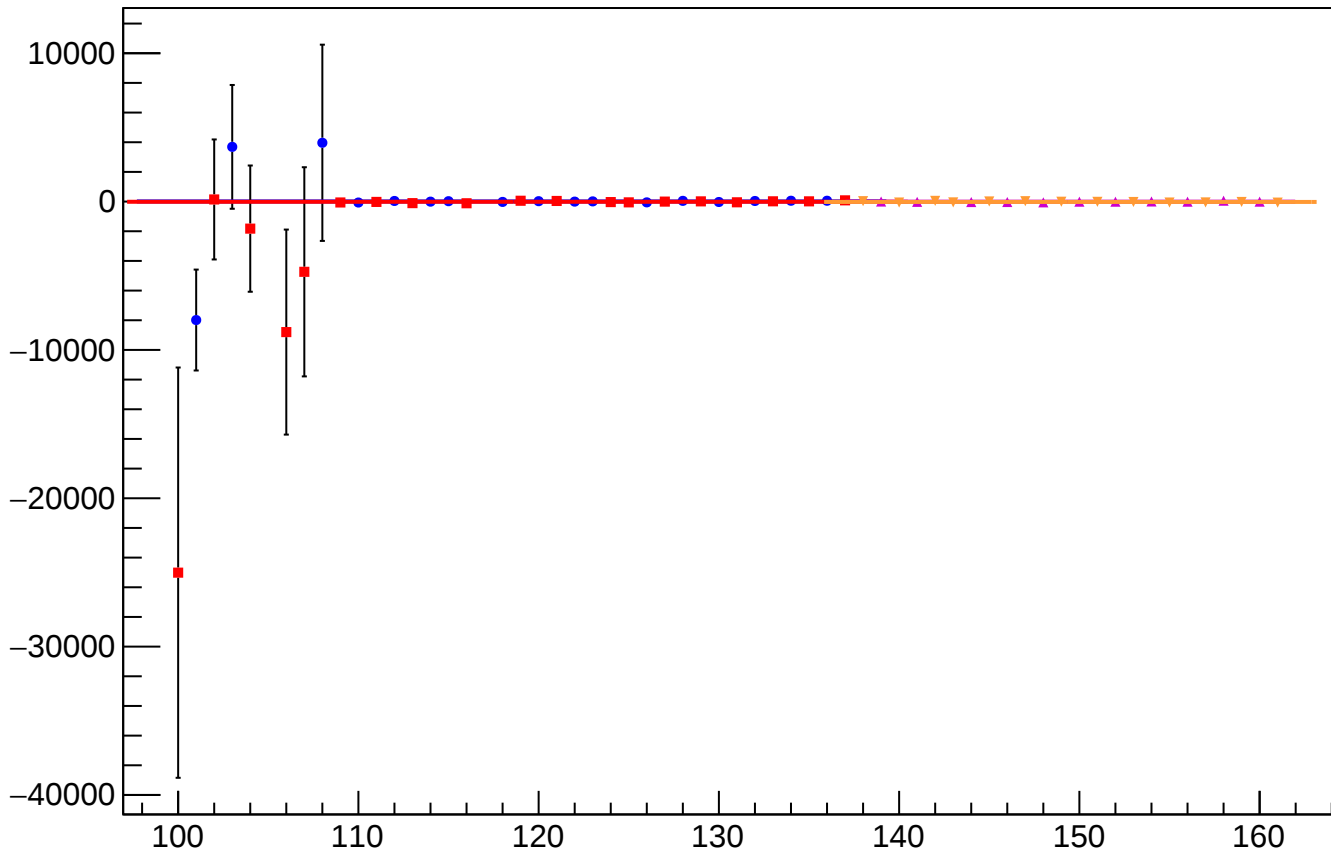
Right Out: 173.269 ± 0.057 χ^2/NDF : 4207191.5/18

Left In: 182.147 ± 0.046 χ^2/NDF : 1277624.4/10

214.062 ± 0.041 χ^2/NDF : 4707047.6/29

178.634 ± 0.036 χ^2/NDF : 5499370.8/29

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.398+/-12.190 χ^2/NDF : 18.3/16

Left Out: -24.079+/-9.522 χ^2/NDF :14.3/12

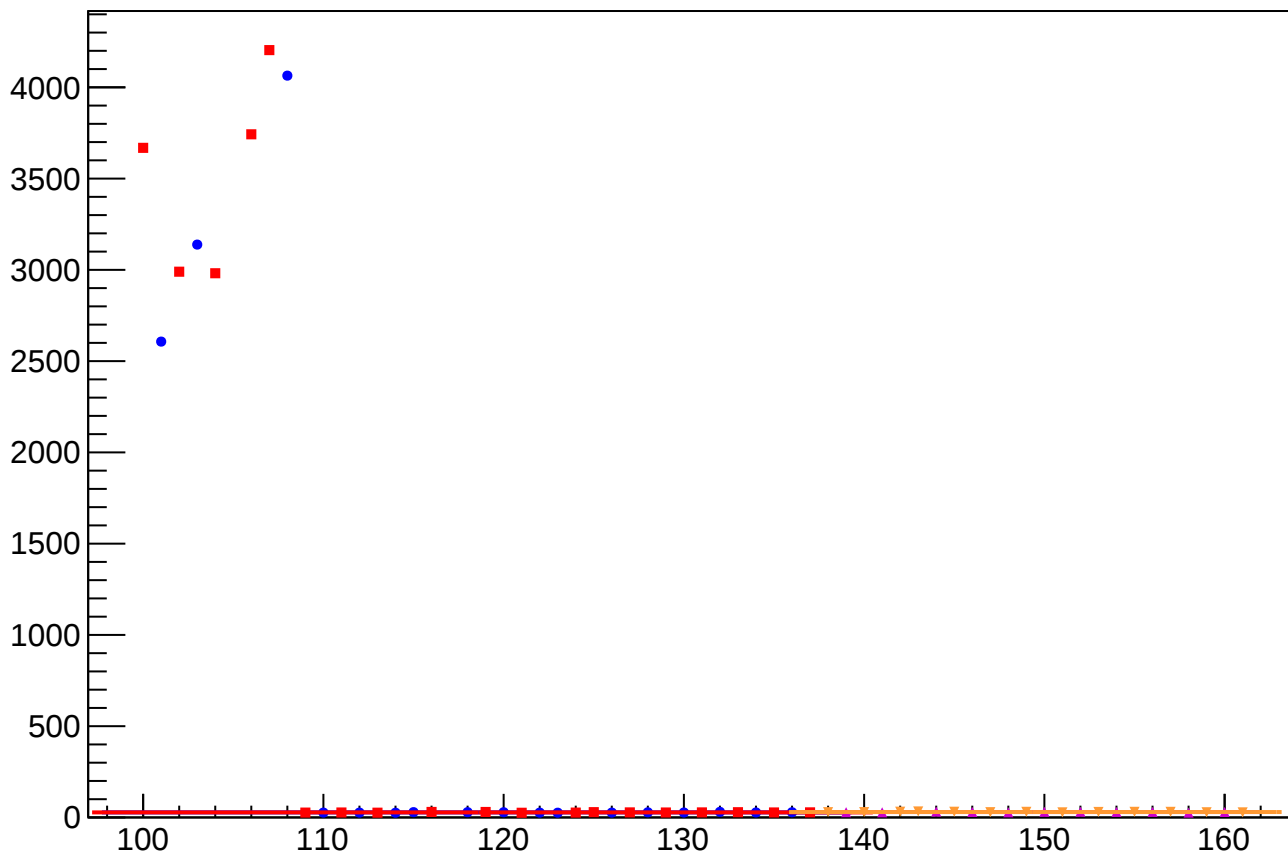
Right Out: -12.947+/-12.227 χ^2/NDF : 24.4/18

Left In: -6.220+/-9.971 χ^2/NDF :8.5/10

-11.014+/-7.504 χ^2/NDF : 37.5/29

-8.907+/-7.727 χ^2/NDF : 33.1/29

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.837 $\pm$ 0.009 χ^2 /NDF: 3026887.2/16

Left Out: 29.700 $\pm$ 0.007 χ^2 /NDF: 44526.3/12

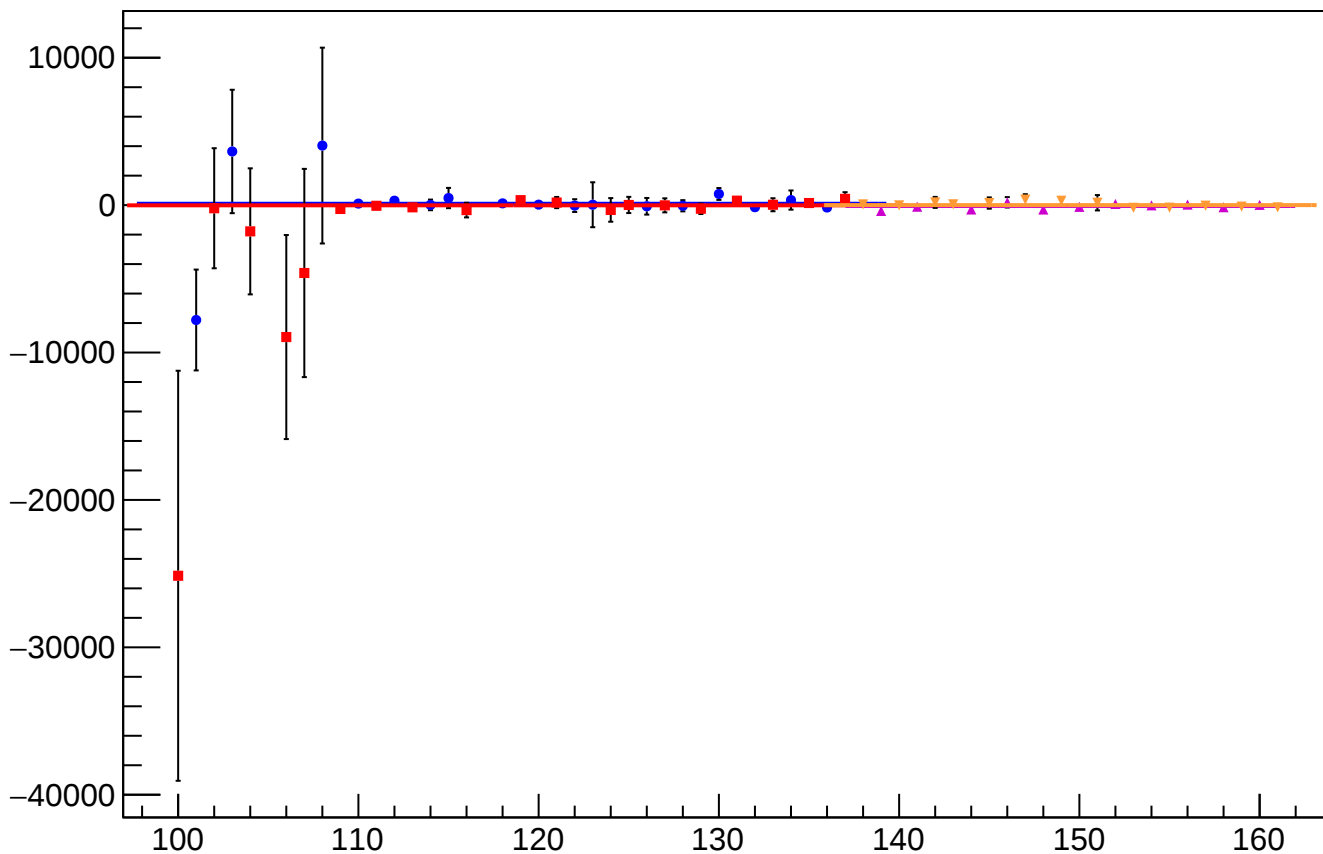
Right Out: 27.694 $\pm$ 0.009 χ^2 /NDF: 3476801.0/18

Left In: 29.721 $\pm$ 0.007 χ^2 /NDF: 57501.0/10

28.994 $\pm$ 0.005 χ^2 /NDF: 3100446.3/29

28.912 $\pm$ 0.005 χ^2 /NDF: 3567324.8/29

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 92.840 $\pm$ 87.359 χ^2 /NDF: 12.6/16

Left Out: 1.060 $\pm$ 77.006 χ^2 /NDF: 4.5/12

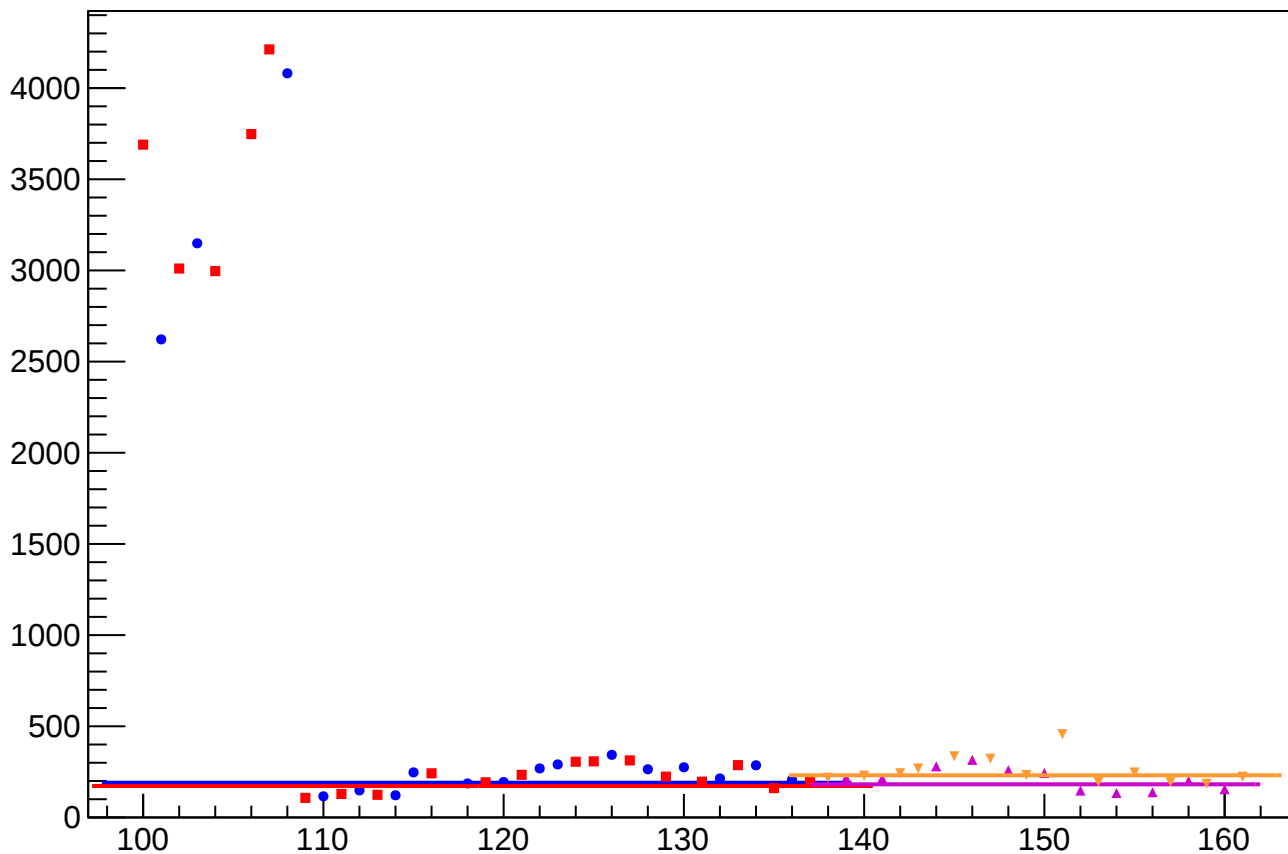
Right Out: -12.772 $\pm$ 80.640 χ^2 /NDF: 12.7/18

Left In: -59.627 $\pm$ 65.333 χ^2 /NDF: 4.6/10

41.192 $\pm$ 57.767 χ^2 /NDF: 17.7/29

-41.059 $\pm$ 50.763 χ^2 /NDF: 17.5/29

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: 231.290+/-0.054 χ^2/NDF : 893371.0/12

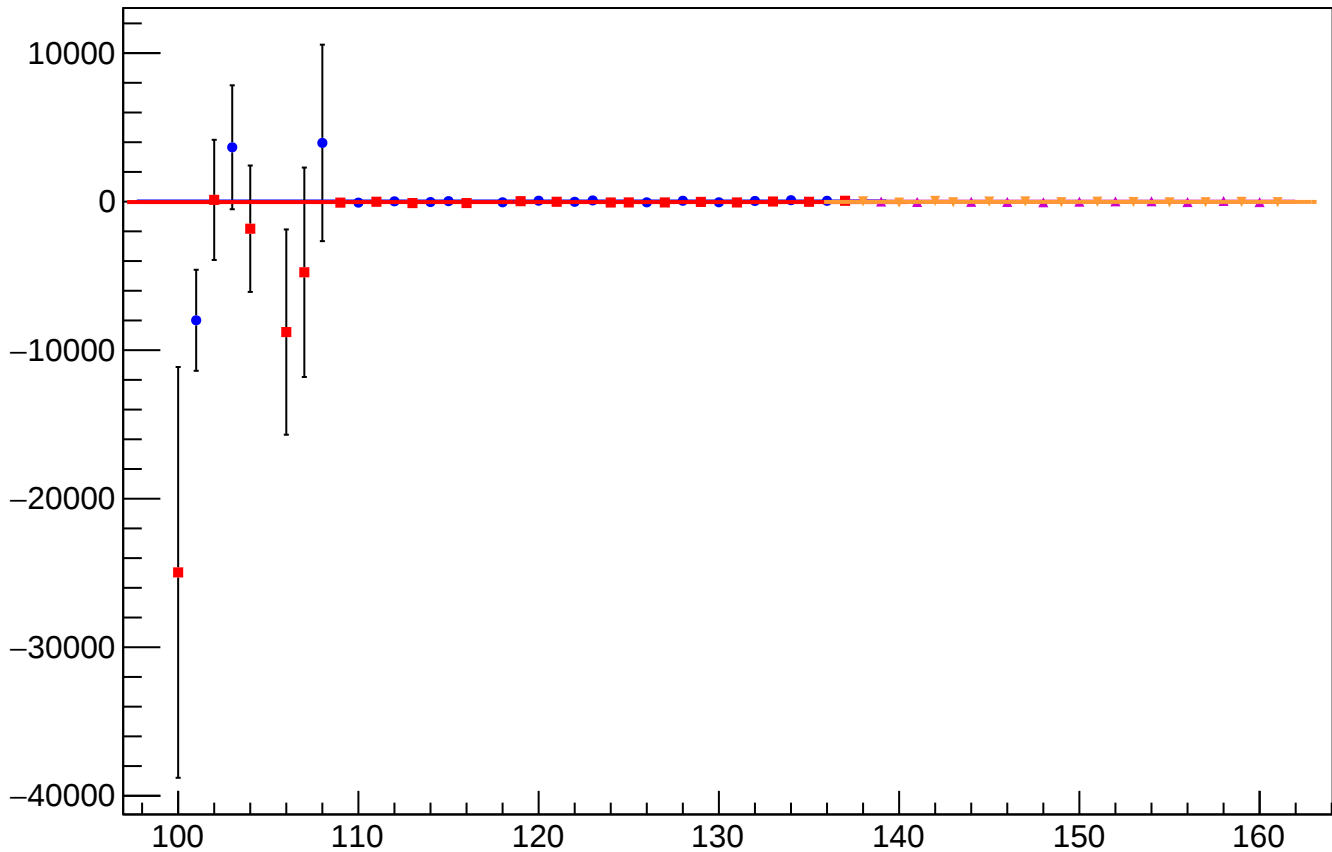
Right Out: 172.601+/-0.057 χ^2/NDF : 4218384.5/18

Left In: 181.784+/-0.046 χ^2/NDF : 1277820.9/10

213.448+/-0.041 χ^2/NDF : 4722497.7/29

178.145+/-0.036 χ^2/NDF : 5511861.7/29

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 9.600 $\pm$ 12.273 χ^2 /NDF: 23.2/16

Left Out: -18.732 $\pm$ 9.601 χ^2 /NDF: 9.1/12

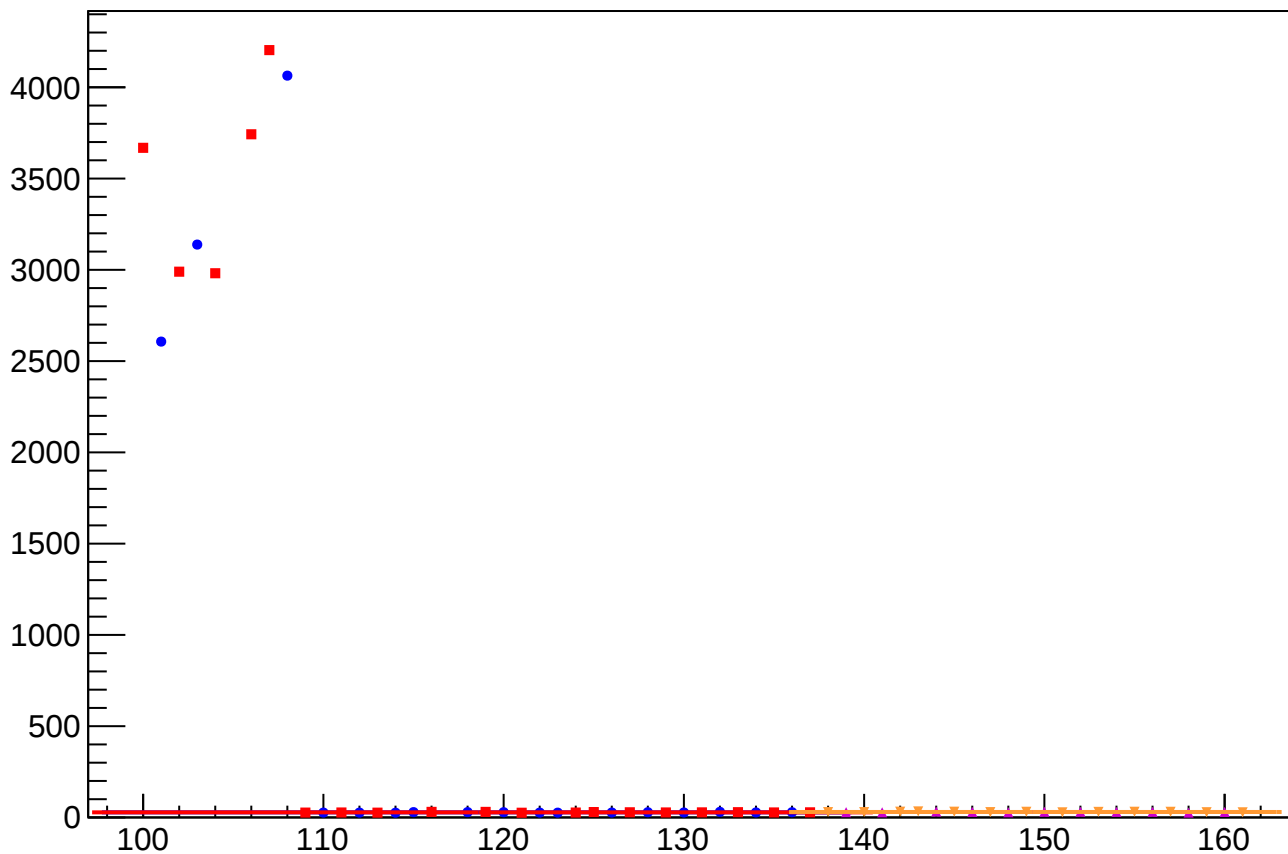
Right Out: -29.627 $\pm$ 12.328 χ^2 /NDF: 16.5/18

Left In: -3.636 $\pm$ 10.030 χ^2 /NDF: 7.2/10

-7.976 $\pm$ 7.562 χ^2 /NDF: 35.6/29

-13.988 $\pm$ 7.780 χ^2 /NDF: 26.4/29

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: 29.945+/-0.007 χ^2 /NDF: 45411.3/12

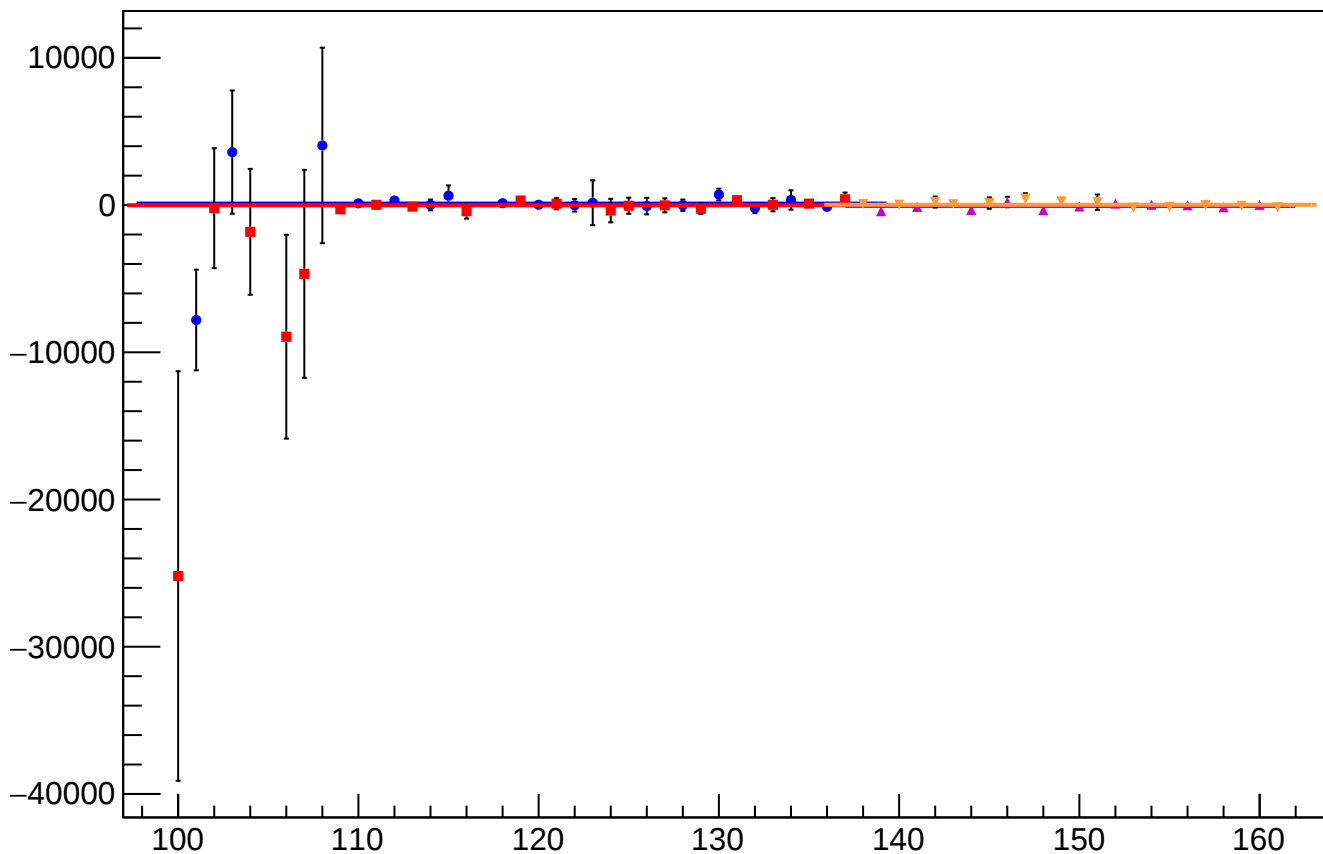
Right Out: 27.917+/-0.009 χ^2 /NDF: 3479610.6/18

Left In: 29.902+/-0.007 χ^2 /NDF: 59381.2/10

29.215+/-0.005 χ^2 /NDF: 3102840.4/29

29.111+/-0.006 χ^2 /NDF: 3570195.1/29

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 101.772 $\pm$ 88.390 χ^2 /NDF: 12.4/16

Left Out: 23.057 $\pm$ 77.914 χ^2 /NDF: 4.0/12

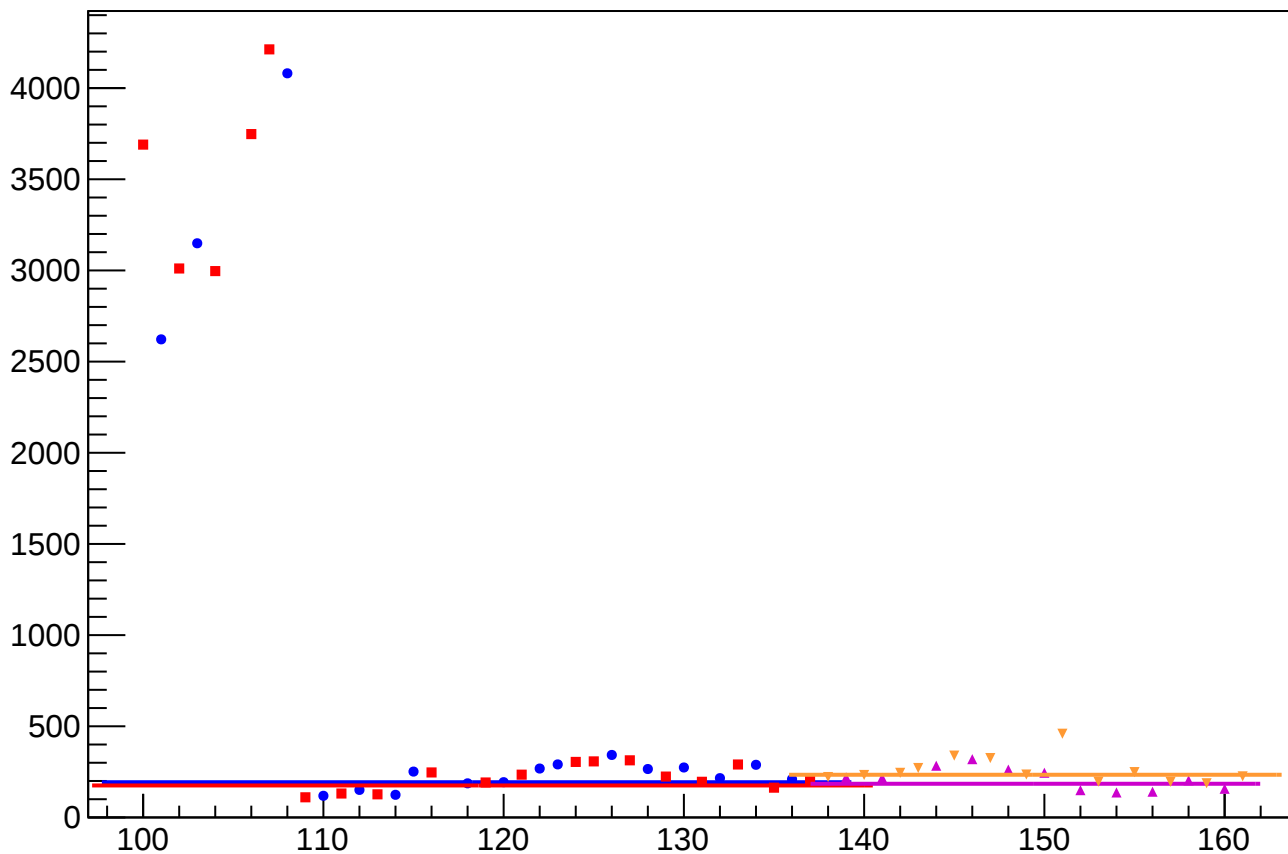
Right Out: -11.229 $\pm$ 81.728 χ^2 /NDF: 12.2/18

Left In: -63.526 $\pm$ 66.314 χ^2 /NDF: 5.3/10

57.475 $\pm$ 58.448 χ^2 /NDF: 16.9/29

-42.764 $\pm$ 51.495 χ^2 /NDF: 17.8/29

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: 234.144+/-0.055 χ^2/NDF : 883873.7/12

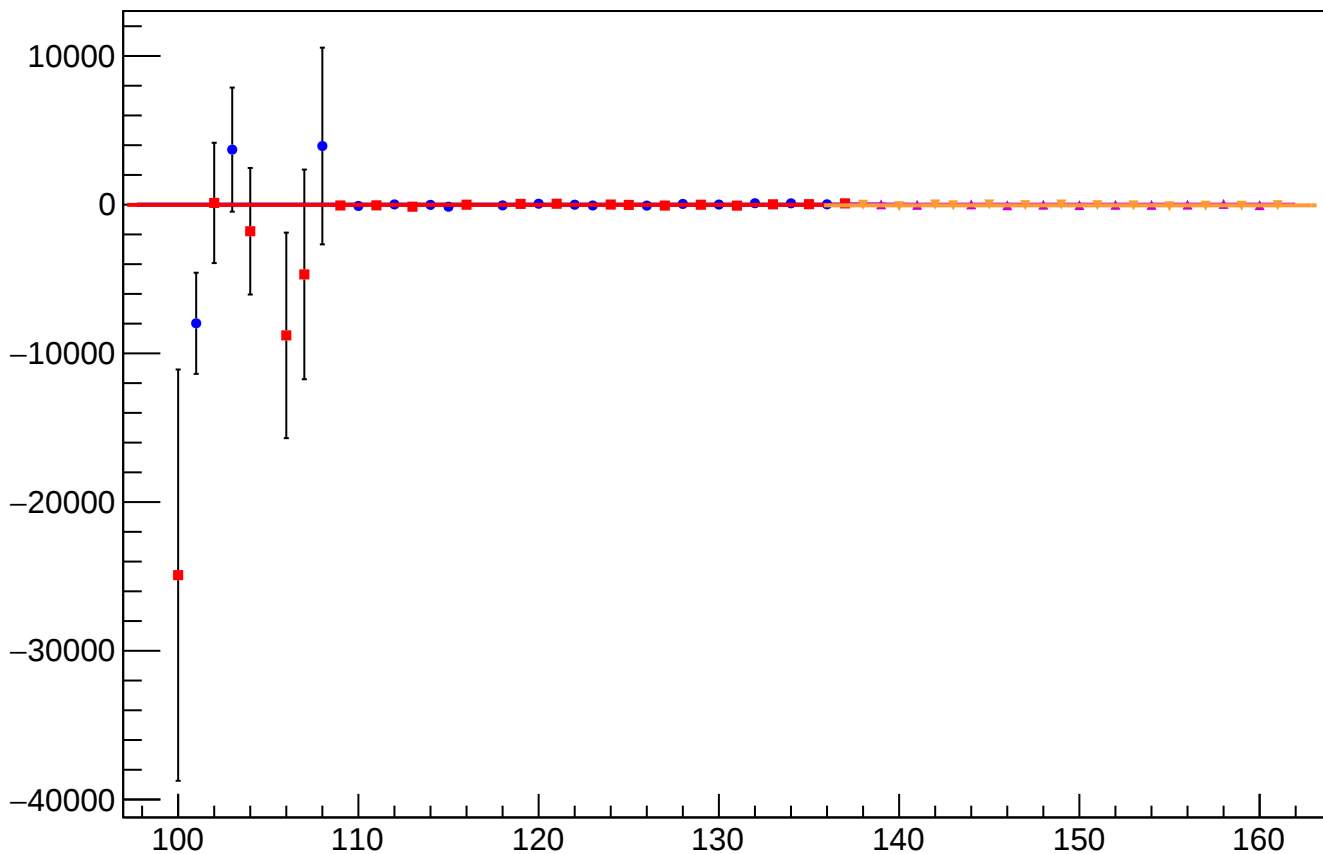
Right Out: 175.485+/-0.058 χ^2/NDF : 4165391.7/18

Left In: 184.748+/-0.047 χ^2/NDF : 1252645.1/10

216.237+/-0.041 χ^2/NDF : 4661610.2/29

181.071+/-0.036 χ^2/NDF : 5433528.4/29

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.651+/-14.935 χ^2/NDF : 20.4/16

Left Out: -45.311+/-11.280 χ^2/NDF : 11.7/12

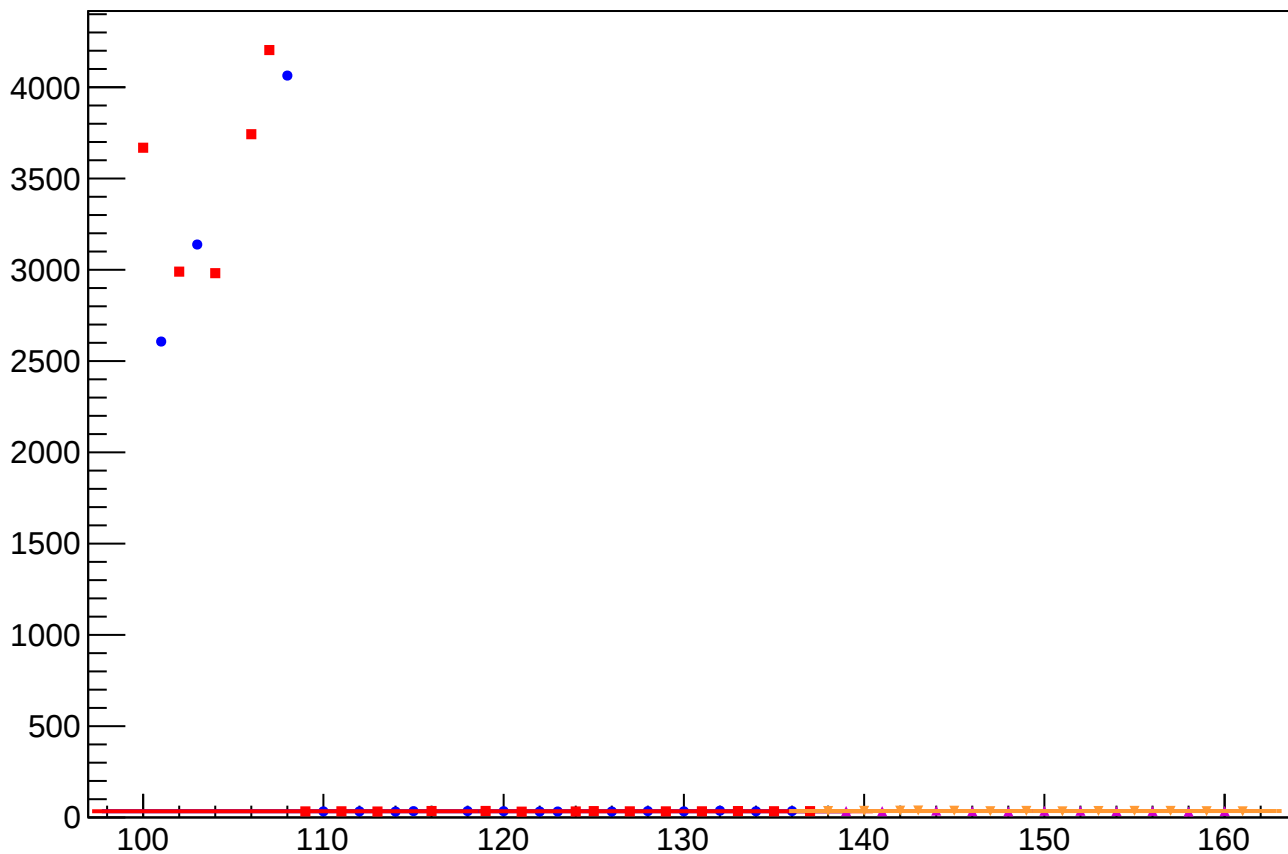
Right Out: -12.487+/-14.947 χ^2/NDF : 21.7/18

Left In: 1.869+/-11.823 χ^2/NDF : 4.9/10

-27.163+/-9.001 χ^2/NDF : 39.2/29

-3.656+/-9.273 χ^2/NDF : 27.1/29

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: 35.229+/-0.008 χ^2/NDF : 26927.3/12

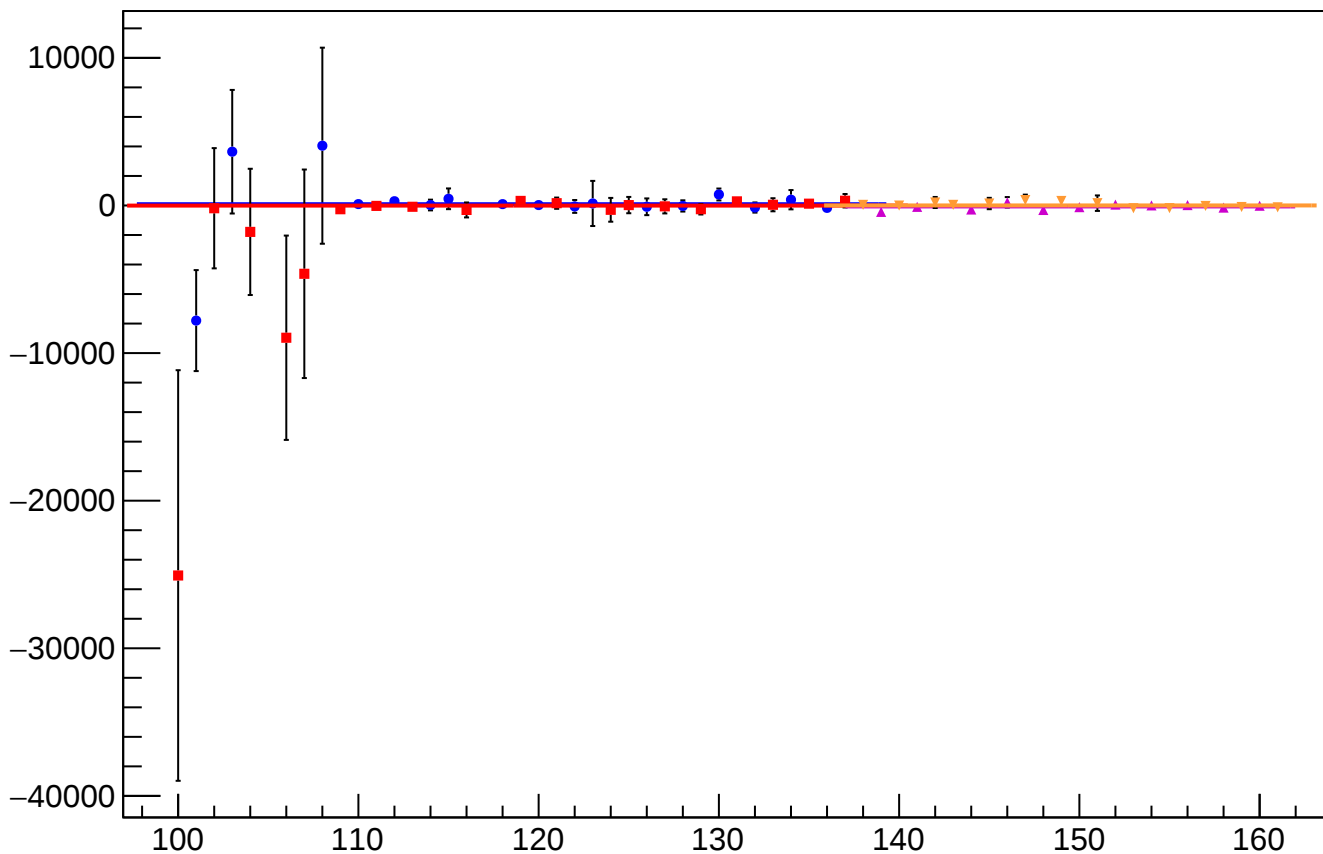
Right Out: 33.913+/-0.011 χ^2/NDF : 3451888.1/18

Left In: 35.313+/-0.008 χ^2/NDF : 24667.1/10

34.832+/-0.006 χ^2/NDF : 3039974.8/29

34.774+/-0.007 χ^2/NDF : 3487349.0/29

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: 3.332+/-77.684 χ^2/NDF : 4.4/12

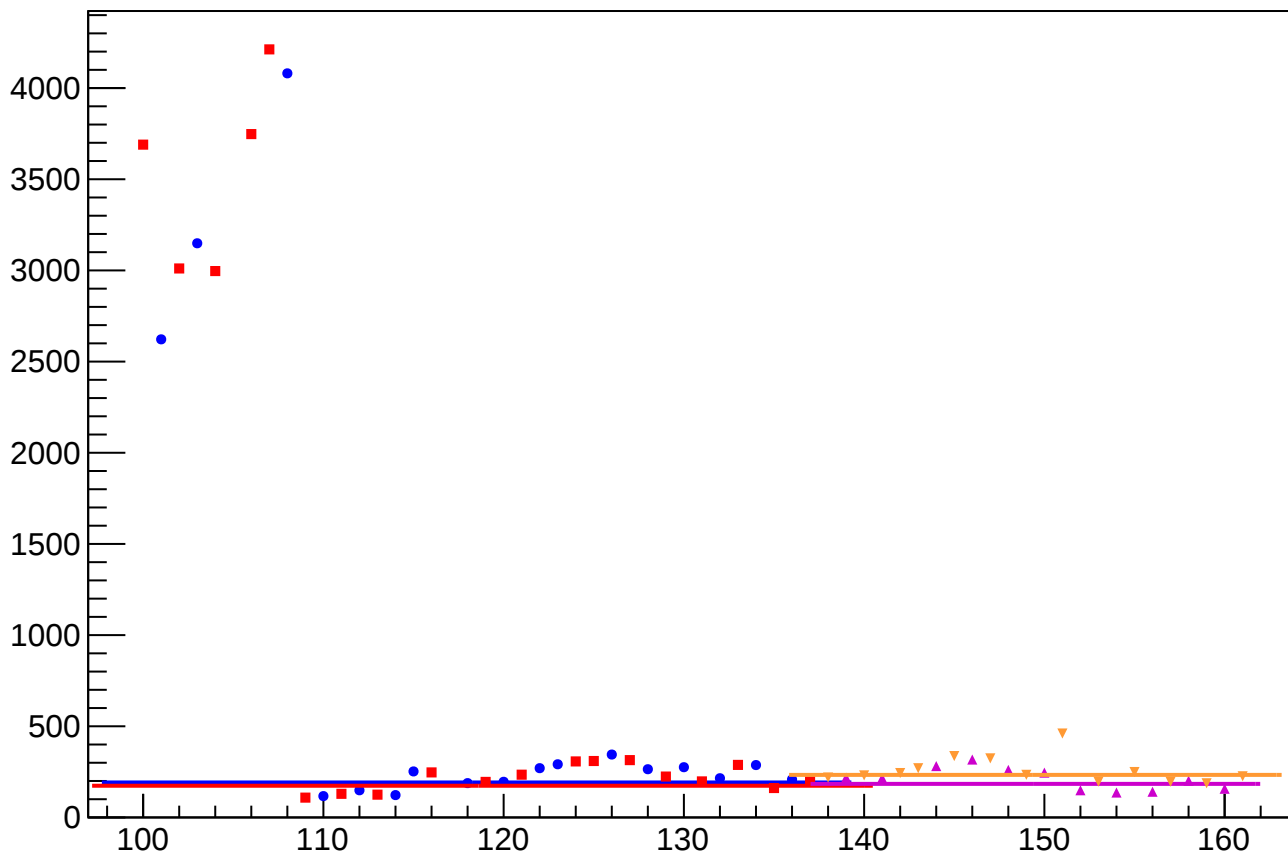
Right Out: -7.296+/-81.208 χ^2/NDF : 11.1/18

Left In: -64.705+/-66.089 χ^2/NDF : 4.7/10

39.581+/-58.223 χ^2/NDF : 17.3/29

-41.832+/-51.260 χ^2/NDF : 16.1/29

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 191.880+/-0.062 χ^2/NDF : 3573060.2/16

Left Out: 233.471+/-0.055 χ^2/NDF : 877026.6/12

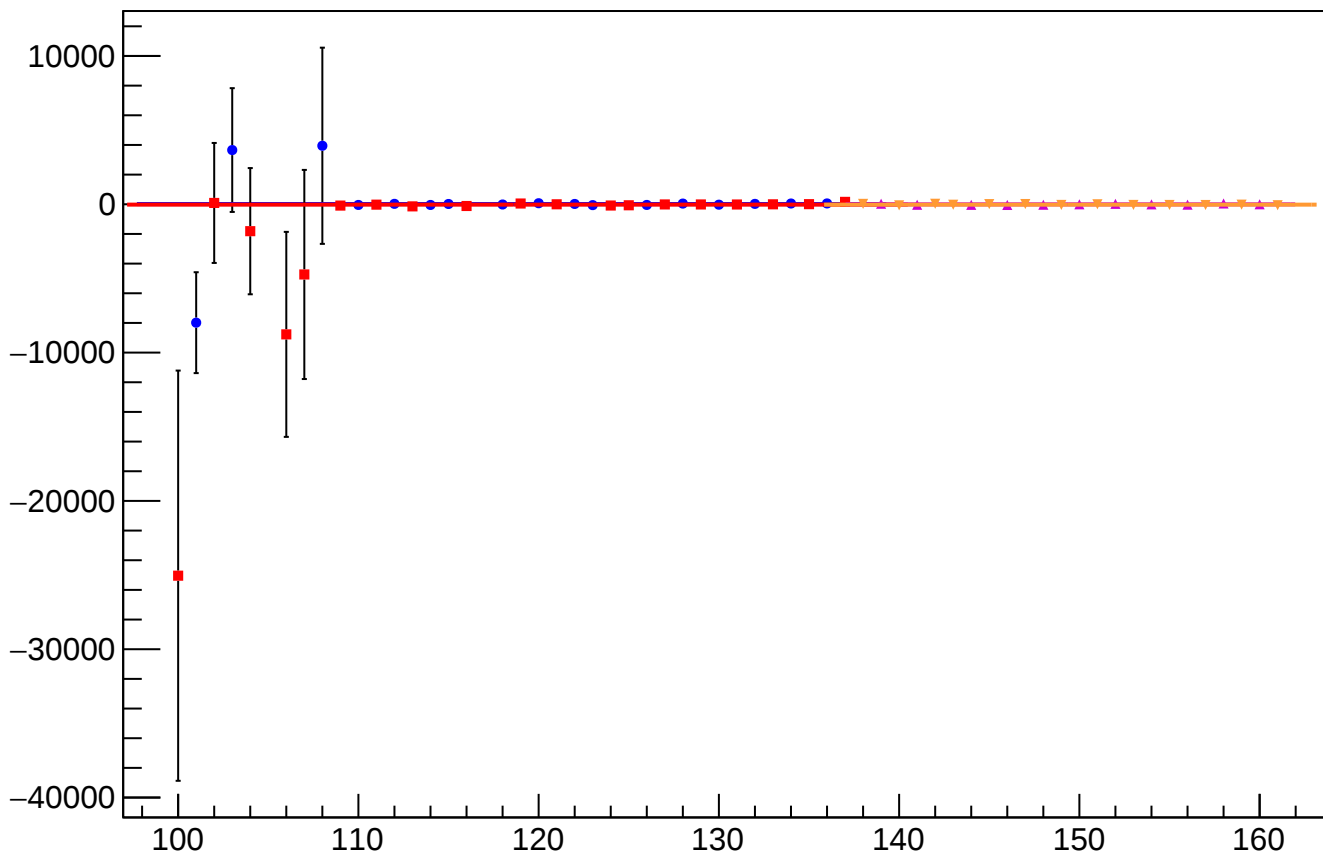
Right Out: 173.928+/-0.057 χ^2/NDF : 4211385.1/18

Left In: 184.152+/-0.047 χ^2/NDF : 1237953.2/10

215.243+/-0.041 χ^2/NDF : 4701332.5/29

180.078+/-0.036 χ^2/NDF : 5468410.1/29

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 14.121+/-13.618 χ^2/NDF : 15.2/16

Left Out: -25.169+/-10.254 χ^2/NDF : 10.3/12

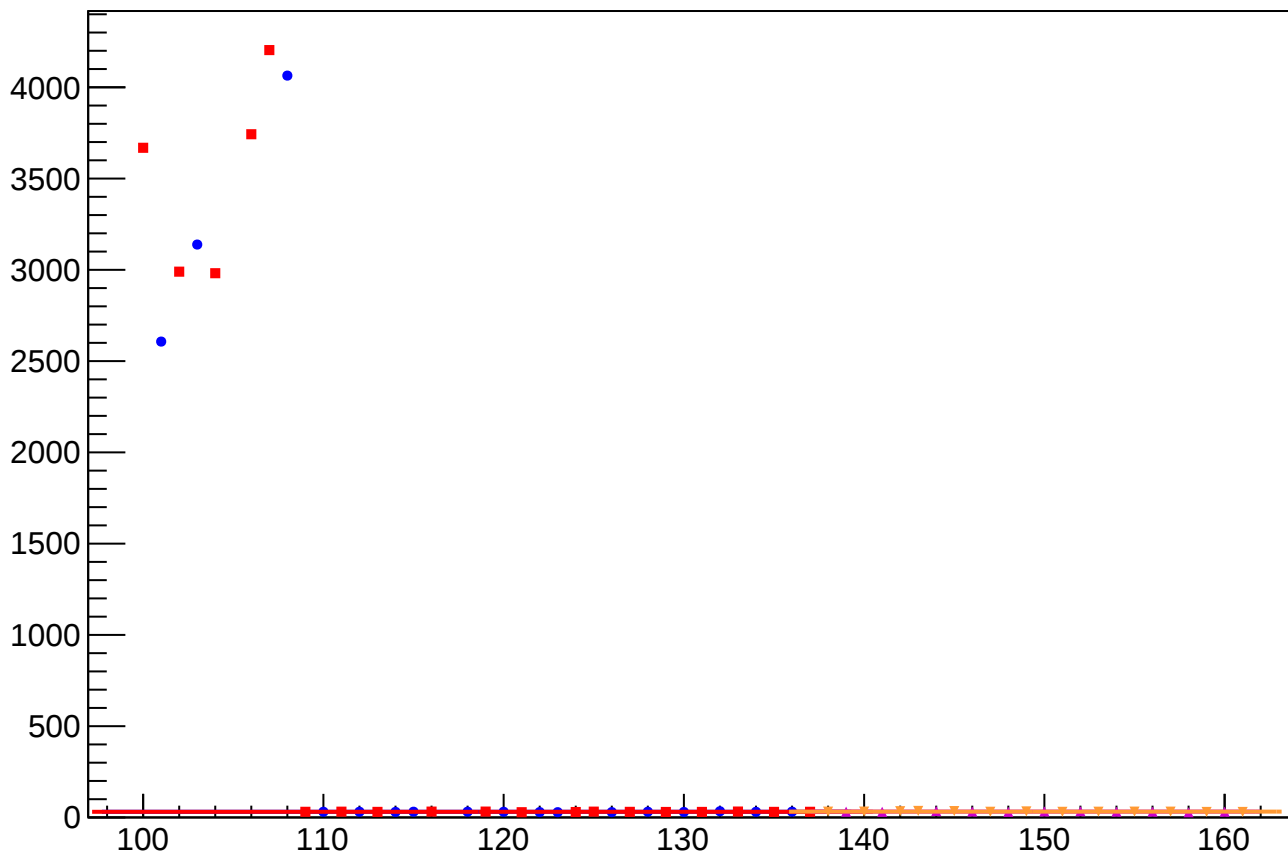
Right Out: -23.374+/-13.655 χ^2/NDF : 27.5/18

Left In: -4.417+/-10.719 χ^2/NDF : 9.1/10

-10.952+/-8.192 χ^2/NDF : 30.8/29

-11.644+/-8.432 χ^2/NDF : 37.8/29

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.127 $\pm$ 0.010 χ^2 /NDF: 3014425.9/16

Left Out: 31.991 $\pm$ 0.007 χ^2 /NDF: 47078.5/12

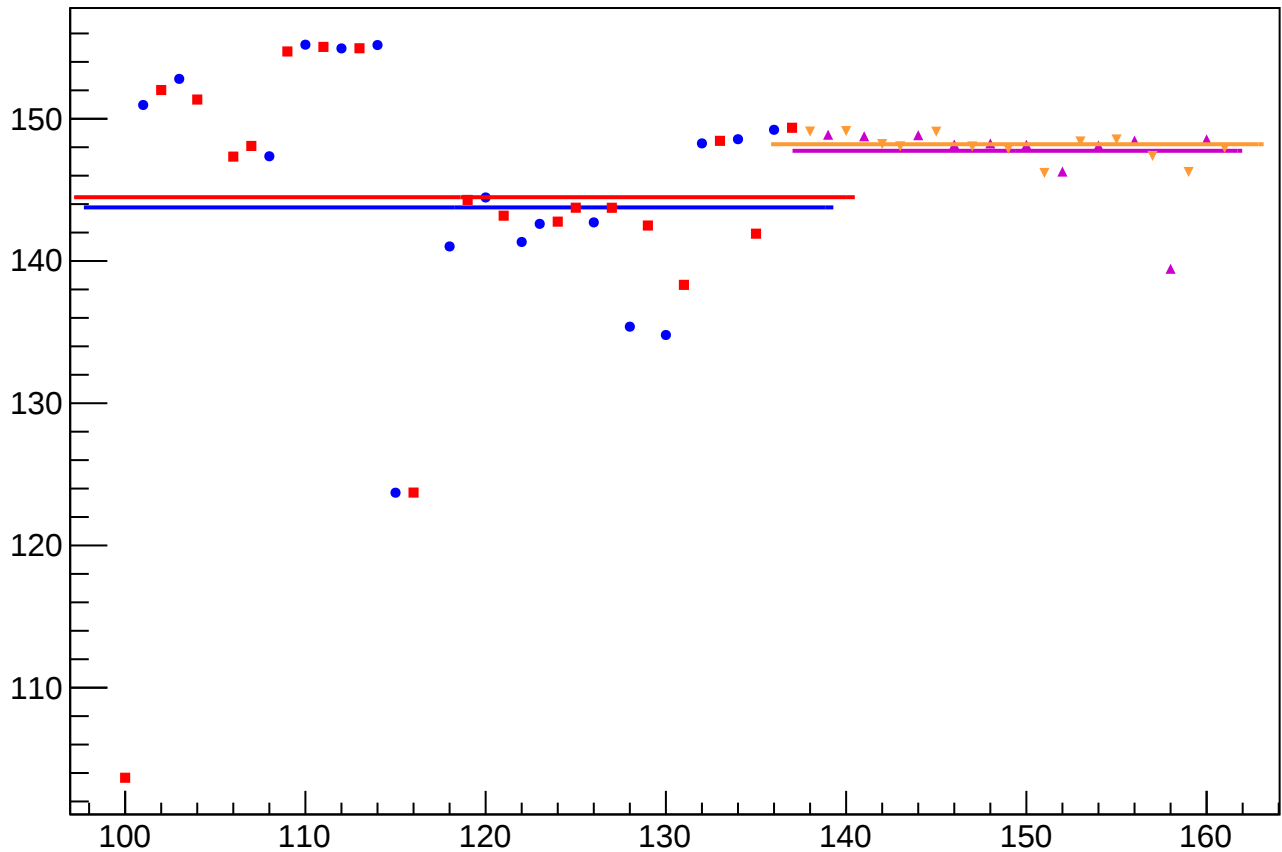
Right Out: 30.963 $\pm$ 0.010 χ^2 /NDF: 3458945.1/18

Left In: 31.954 $\pm$ 0.008 χ^2 /NDF: 53259.4/10

31.678 $\pm$ 0.006 χ^2 /NDF: 3066642.9/29

31.576 $\pm$ 0.006 χ^2 /NDF: 3518724.8/29

yield_bcm_an_ds_mean vs Slug



Right In: 143.768 $\pm$ 0.000 χ^2 /NDF: 3532173868.5/16

Left Out: 148.210 $\pm$ 0.000 χ^2 /NDF: 50597661.2/12

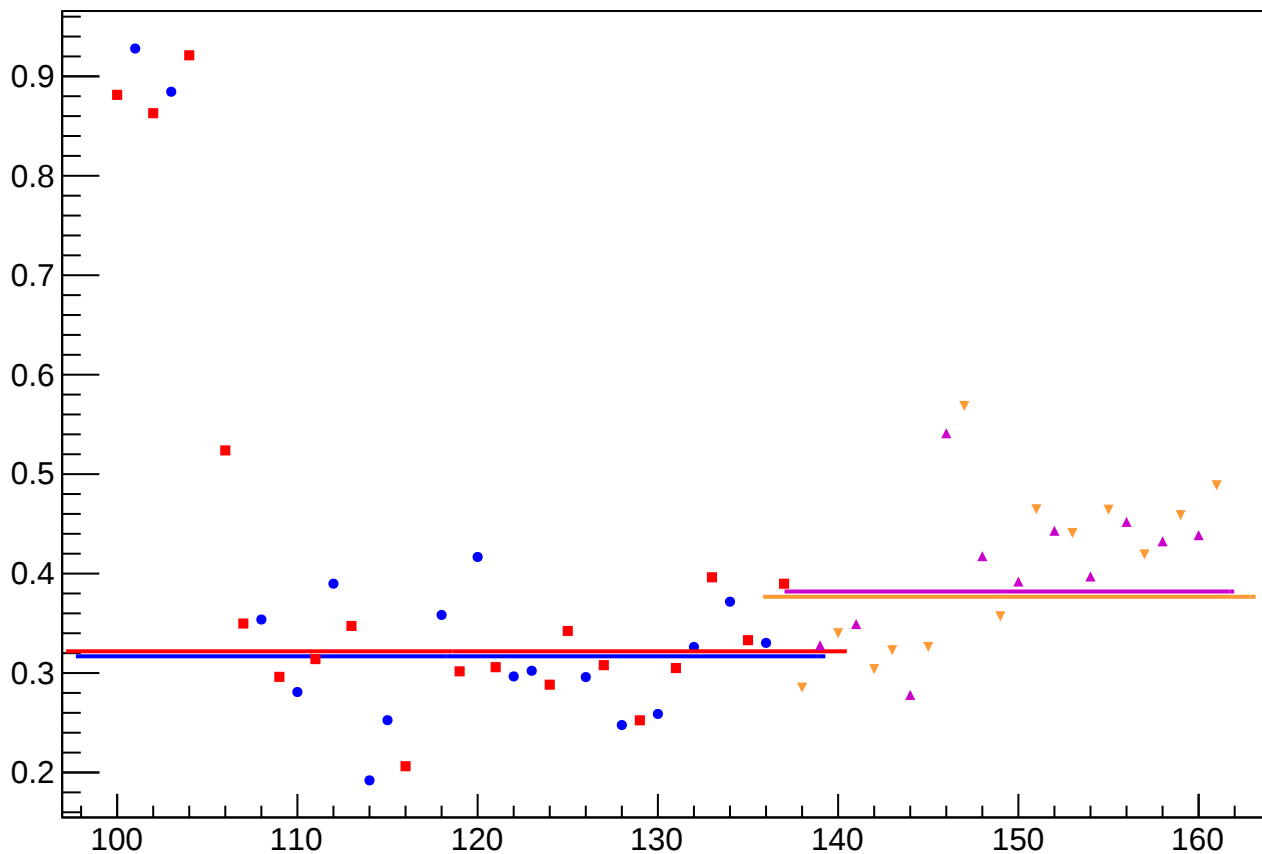
146.131 $\pm$ 0.000 χ^2 /NDF: 4166953596.6/29

Right Out: 144.486 $\pm$ 0.000 χ^2 /NDF: 4183608291.3/18

146.122 $\pm$ 0.000 χ^2 /NDF: 4805727493.7/29

Left In: 147.749 $\pm$ 0.000 χ^2 /NDF: 320051156.8/10

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1278613.2/16

Left Out: 0.377 $\pm$ 0.000 χ^2 /NDF: 741559.1/12

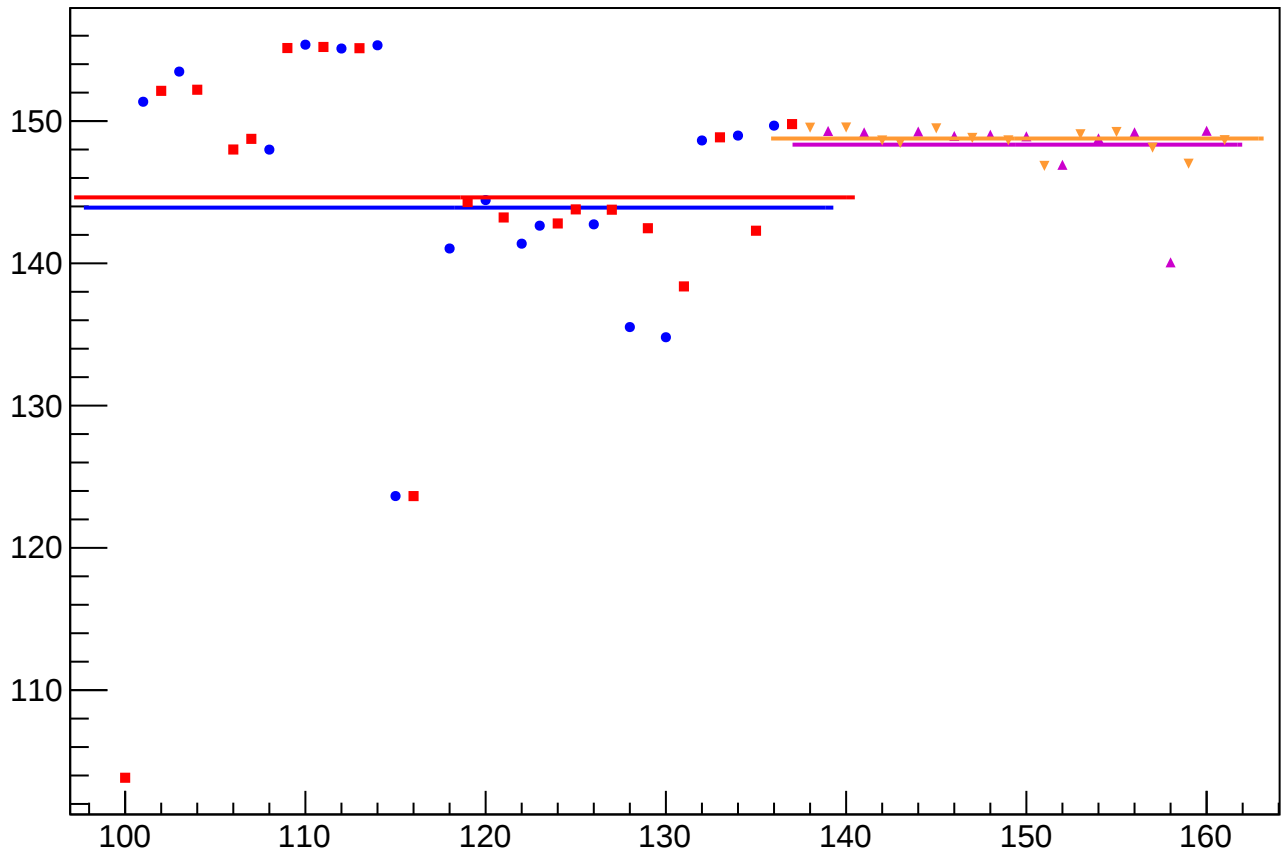
Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1217762.5/18

Left In: 0.382 $\pm$ 0.000 χ^2 /NDF: 545901.4/10

0.349 $\pm$ 0.000 χ^2 /NDF: 2232267.8/29

0.352 $\pm$ 0.000 χ^2 /NDF: 1968818.9/29

yield_bcm_an_ds3_mean vs Slug



Right In: 143.917 $\pm$ 0.000 χ^2 /NDF: 3584662767.5/16

Left Out: 148.774 $\pm$ 0.000 χ^2 /NDF: 39703204.8/12

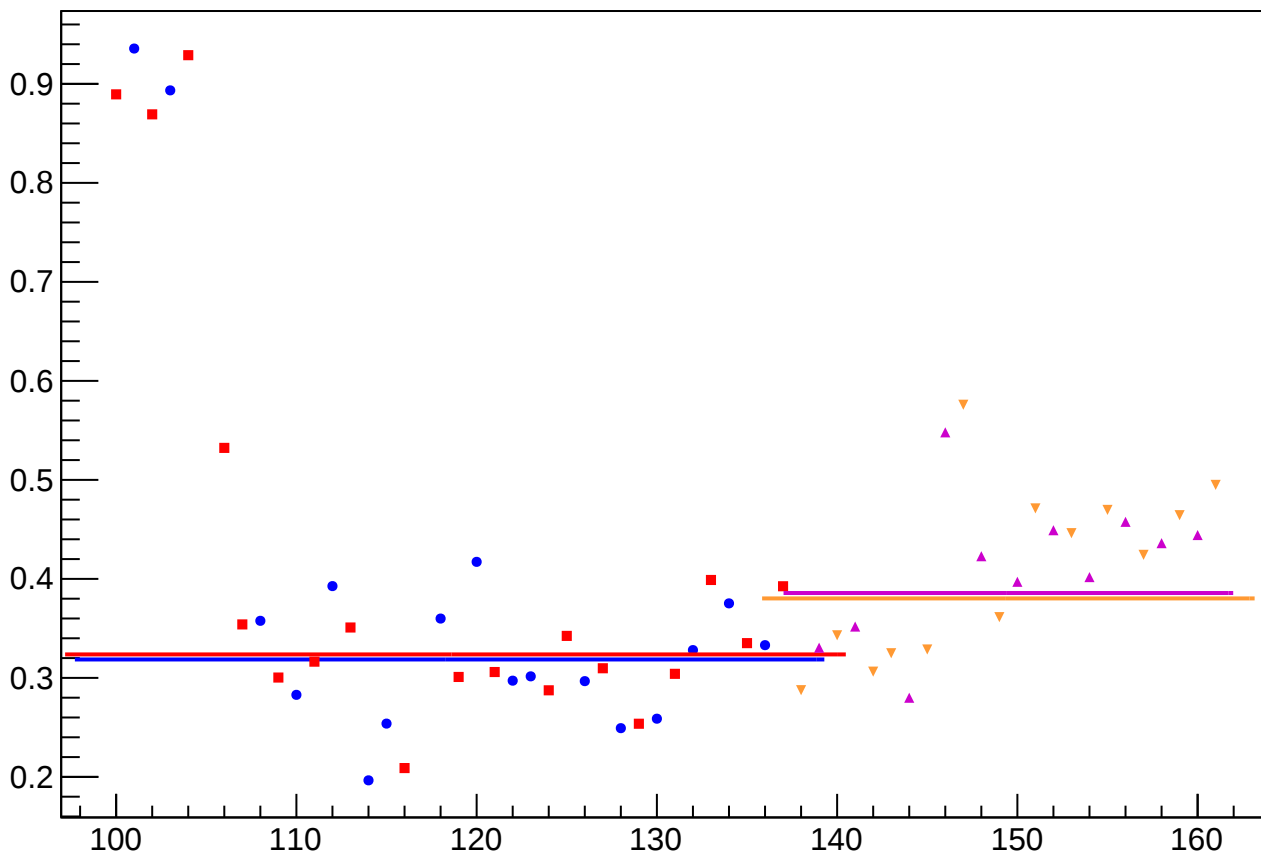
146.491 $\pm$ 0.000 χ^2 /NDF: 4312426154.9/29

Right Out: 144.637 $\pm$ 0.000 χ^2 /NDF: 4210524953.9/18

146.487 $\pm$ 0.000 χ^2 /NDF: 4903458205.8/29

Left In: 148.343 $\pm$ 0.000 χ^2 /NDF: 309406730.6/10

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 ± 0.000 χ^2/NDF : 1280748.9/16

Left Out: 0.380 ± 0.000 χ^2/NDF : 756563.9/12

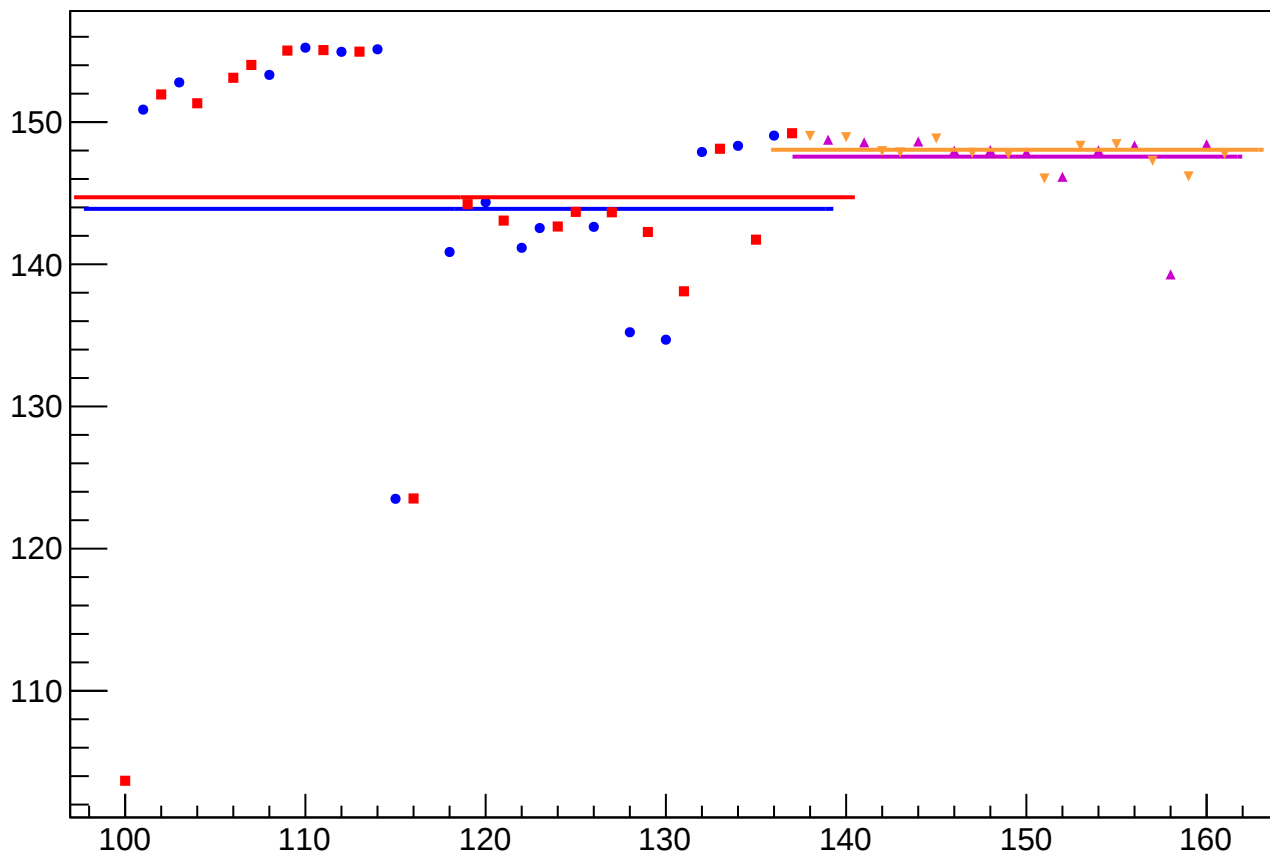
Right Out: 0.324 ± 0.000 χ^2/NDF : 1220898.3/18

Left In: 0.386 ± 0.000 χ^2/NDF : 558686.4/10

0.351 ± 0.000 χ^2/NDF : 2259065.5/29

0.355 ± 0.000 χ^2/NDF : 1994460.8/29

yield_bcm_an_us_mean vs Slug



Right In: 143.899 $\pm$ 0.000 χ^2 /NDF: 3749888331.0/16

Left Out: 148.054 $\pm$ 0.000 χ^2 /NDF: 48936298.8/12

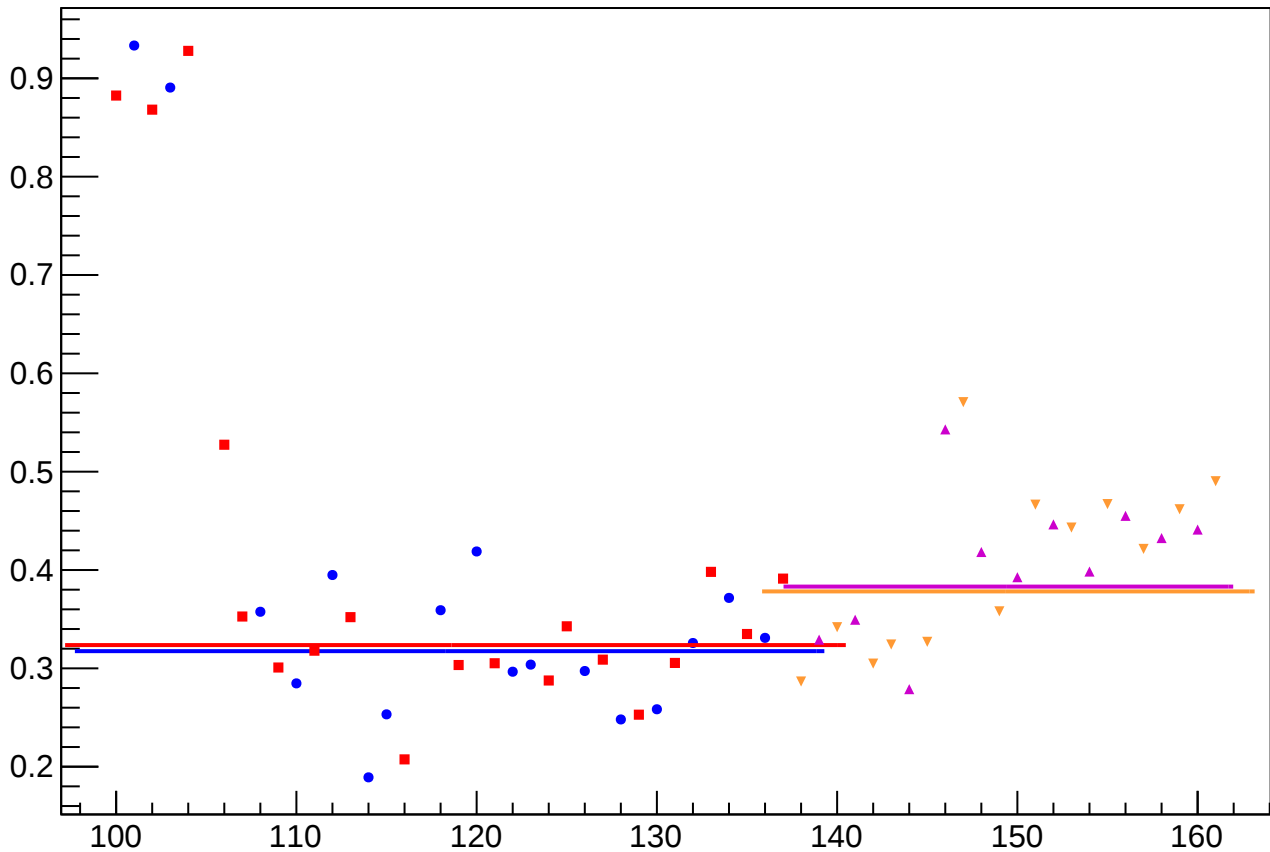
Right Out: 144.715 $\pm$ 0.000 χ^2 /NDF: 4474458988.7/18

Left In: 147.571 $\pm$ 0.000 χ^2 /NDF: 318721560.7/10

146.107 $\pm$ 0.000 χ^2 /NDF: 4306508221.0/29

146.151 $\pm$ 0.000 χ^2 /NDF: 5022561698.6/29

yield_bcm_an_us_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1293179.2/16

Left Out: 0.378 $\pm$ 0.000 χ^2 /NDF: 744105.7/12

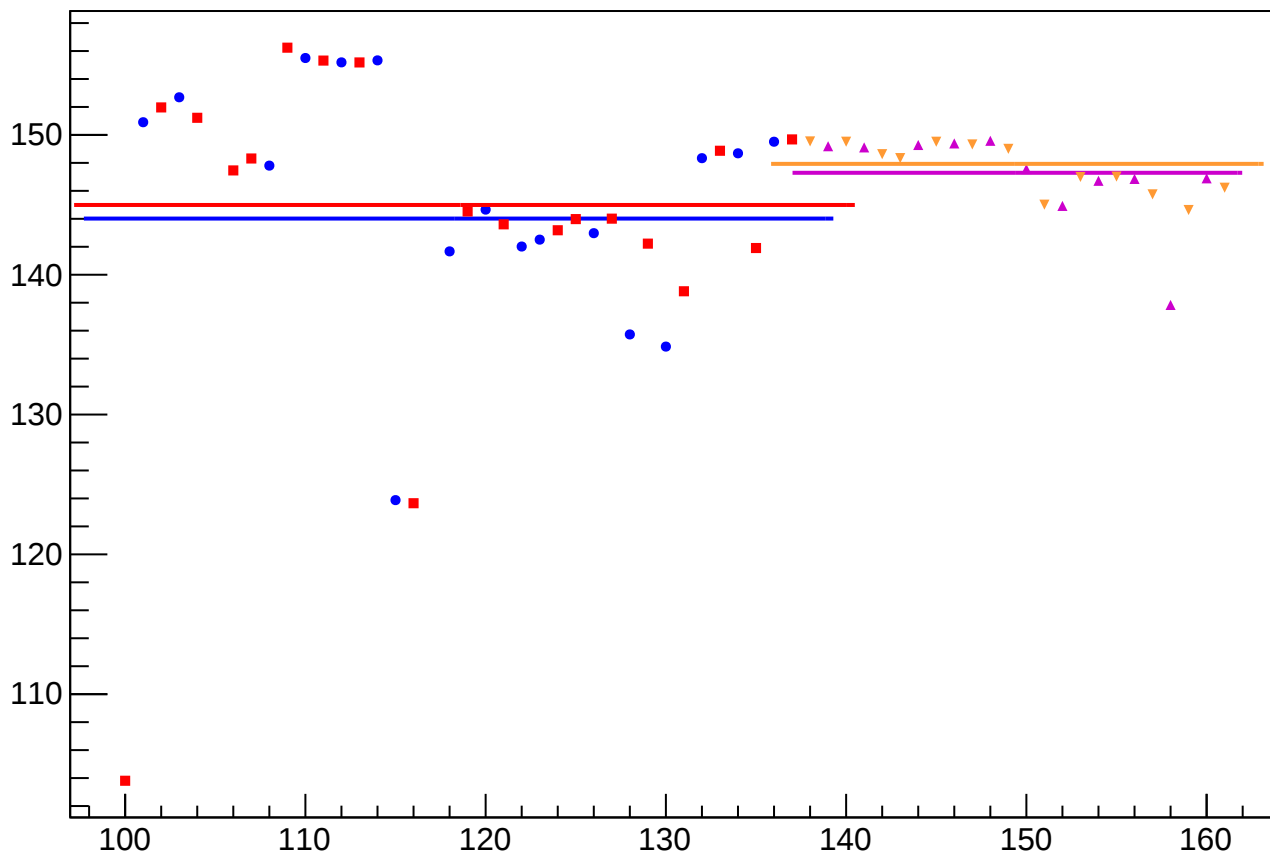
Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1221676.7/18

Left In: 0.383 $\pm$ 0.000 χ^2 /NDF: 549823.6/10

0.350 $\pm$ 0.000 χ^2 /NDF: 2254253.7/29

0.354 $\pm$ 0.000 χ^2 /NDF: 1970533.6/29

yield_bcm_dg_us_mean vs Slug



Right In: 144.018 $\pm$ 0.000 χ^2 /NDF: 3238525527.6/16

Left Out: 147.930 $\pm$ 0.000 χ^2 /NDF: 165541877.0/12

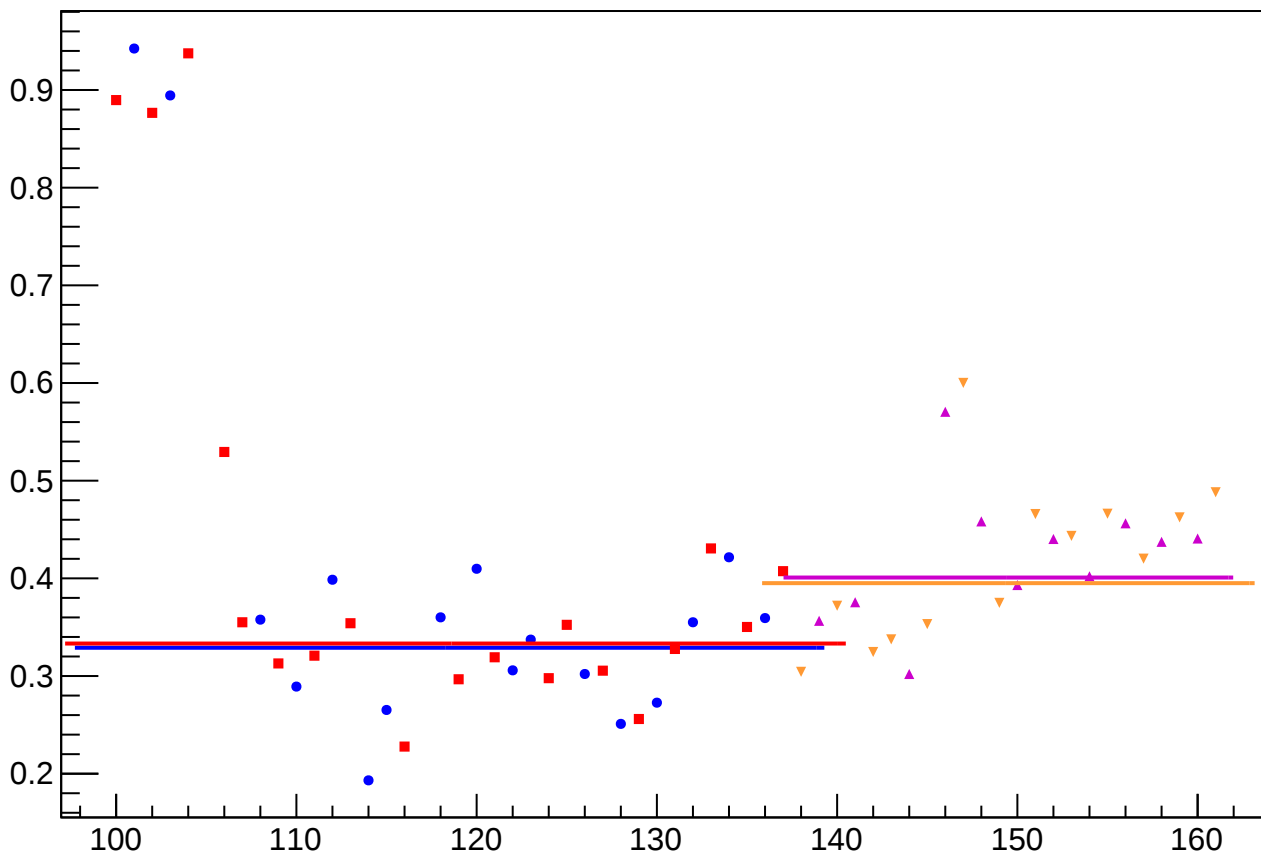
Right Out: 144.990 $\pm$ 0.000 χ^2 /NDF: 3853449012.9/18

Left In: 147.292 $\pm$ 0.000 χ^2 /NDF: 478615013.1/10

146.088 $\pm$ 0.000 χ^2 /NDF: 3820225185.4/29

146.133 $\pm$ 0.000 χ^2 /NDF: 4470687063.2/29

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.395 ± 0.000 χ^2/NDF : 584825.2/12

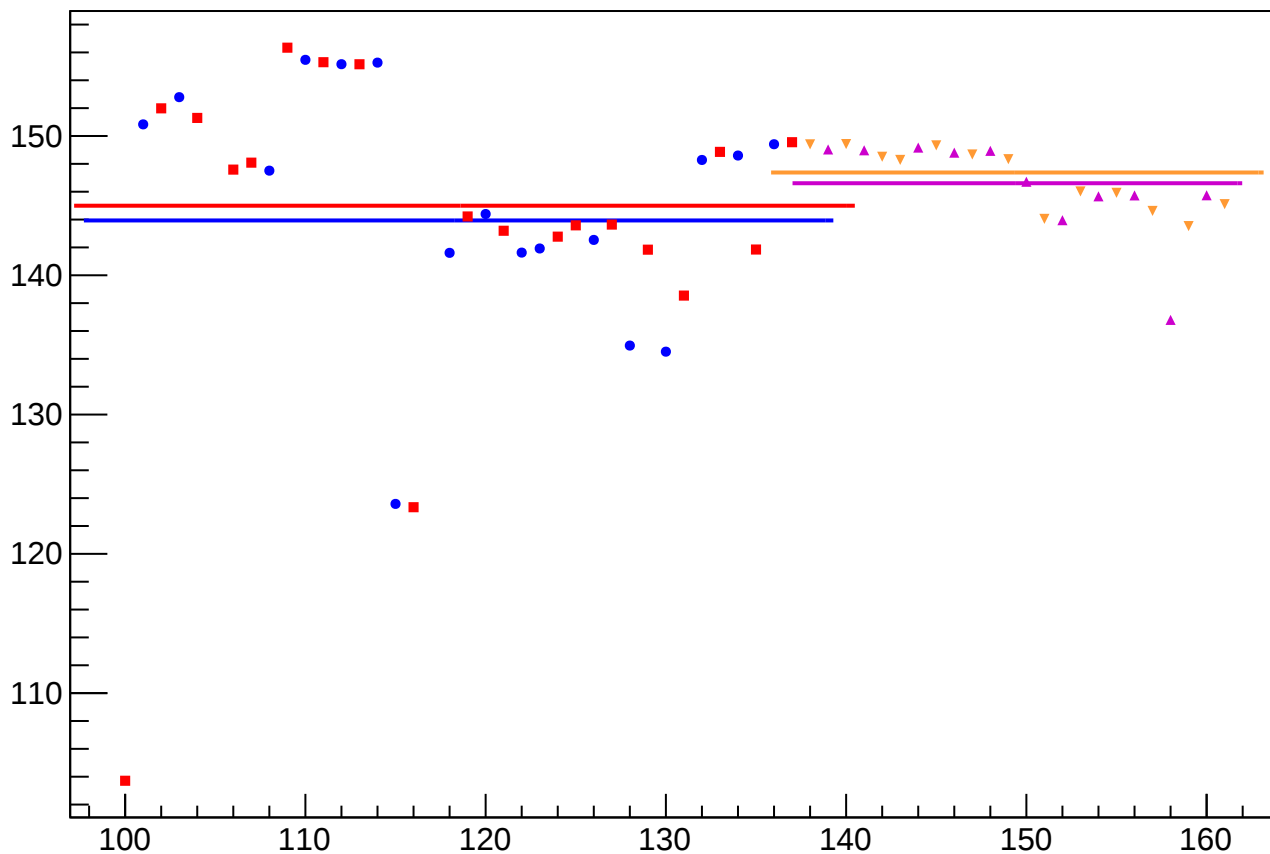
Right Out: 0.333 ± 0.000 χ^2/NDF : 1182496.7/18

Left In: 0.401 ± 0.000 χ^2/NDF : 424673.5/10

0.364 ± 0.000 χ^2/NDF : 2098748.8/29

0.367 ± 0.000 χ^2/NDF : 1846148.2/29

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 ± 0.000 χ^2/NDF : 3379203532.9/16

Left Out: 147.379 ± 0.000 χ^2/NDF : 248841149.9/12

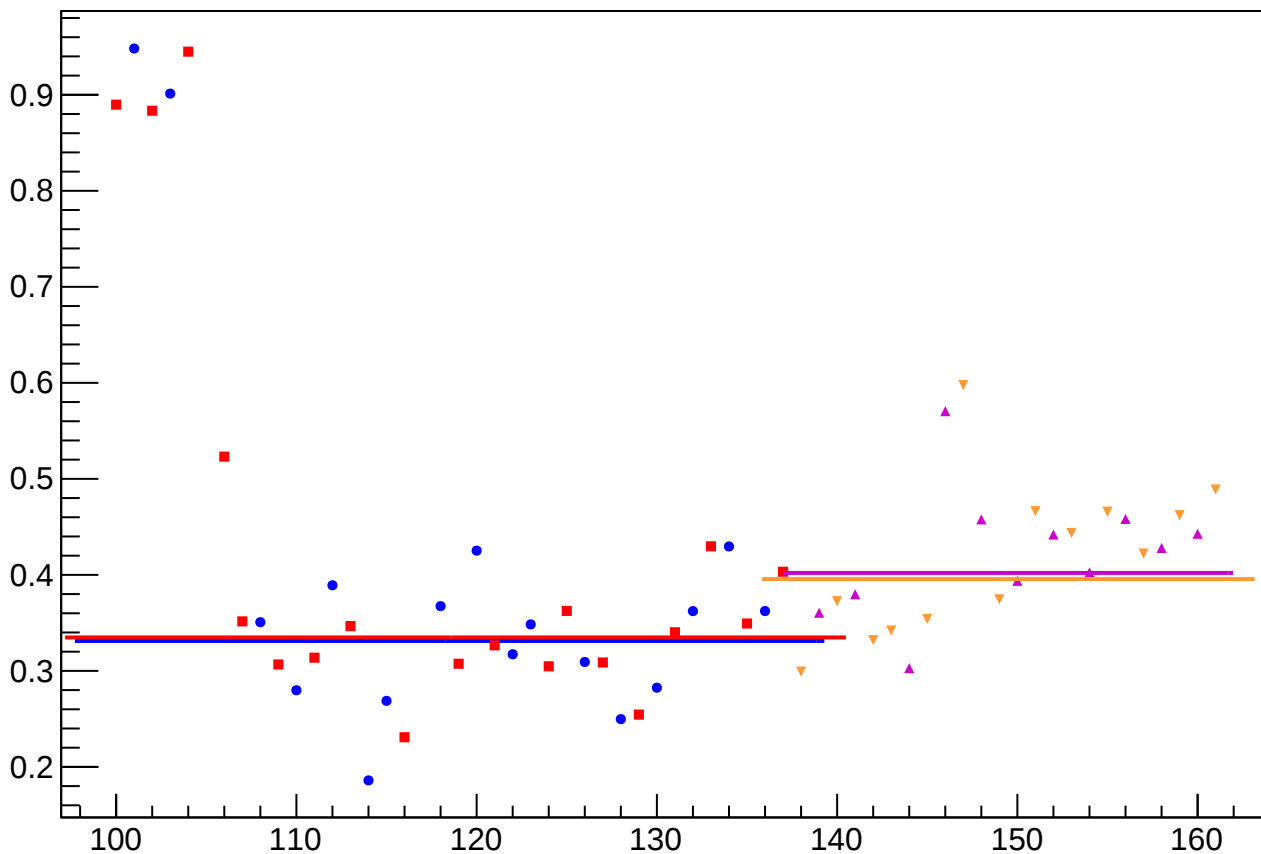
Right Out: 144.995 ± 0.000 χ^2/NDF : 3934069043.2/18

Left In: 146.609 ± 0.000 χ^2/NDF : 581741332.6/10

145.769 ± 0.000 χ^2/NDF : 3946603633.8/29

145.797 ± 0.000 χ^2/NDF : 4583339224.1/29

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331 ± 0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.396 ± 0.000 χ^2/NDF : 584735.1/12

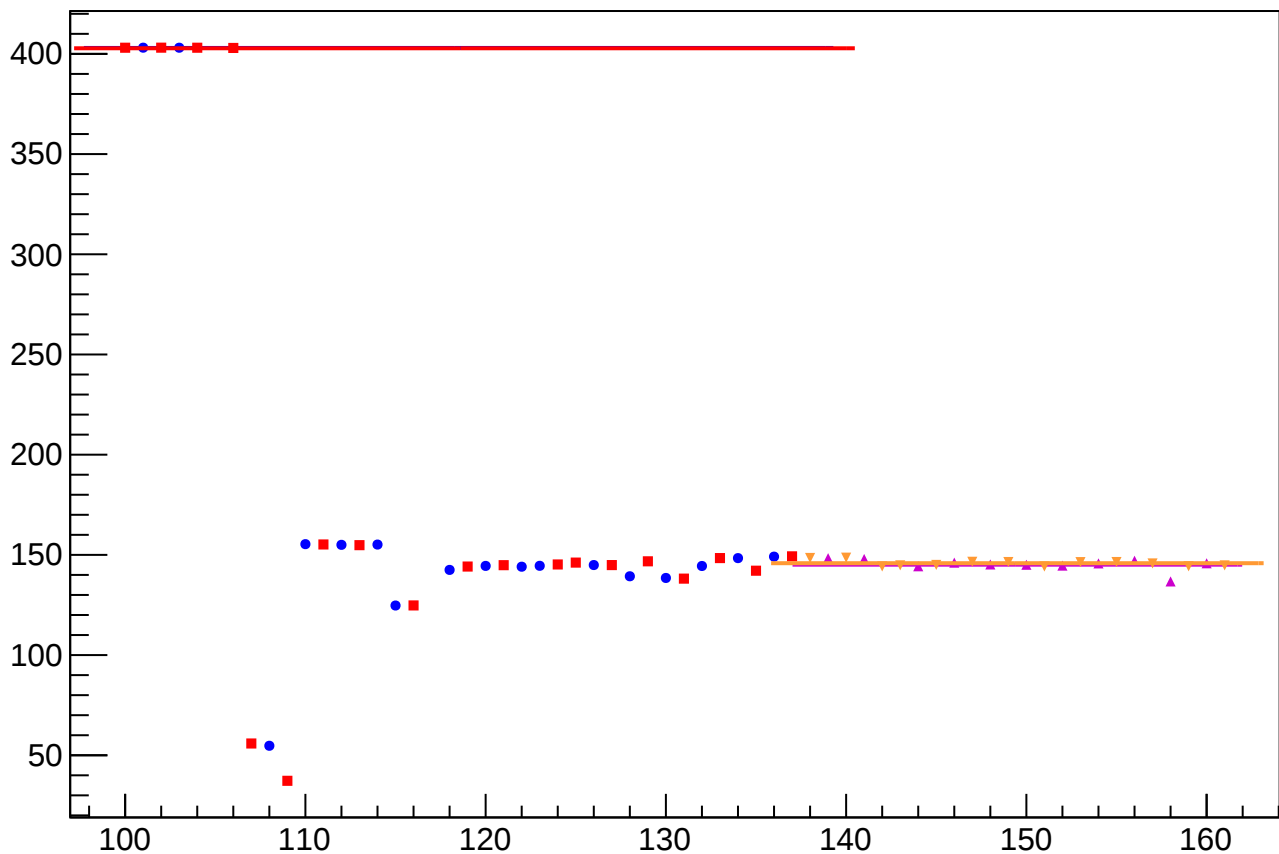
Right Out: 0.335 ± 0.000 χ^2/NDF : 1172239.8/18

Left In: 0.402 ± 0.000 χ^2/NDF : 411481.9/10

0.365 ± 0.000 χ^2/NDF : 2103826.2/29

0.368 ± 0.000 χ^2/NDF : 1817910.5/29

yield_cav4bQ_mean vs Slug



Right In: 402.957+/-0.000 χ^2/NDF : 1096710296821.6/16

Left Out: 145.847+/-0.000 χ^2/NDF : 38276033.2/12

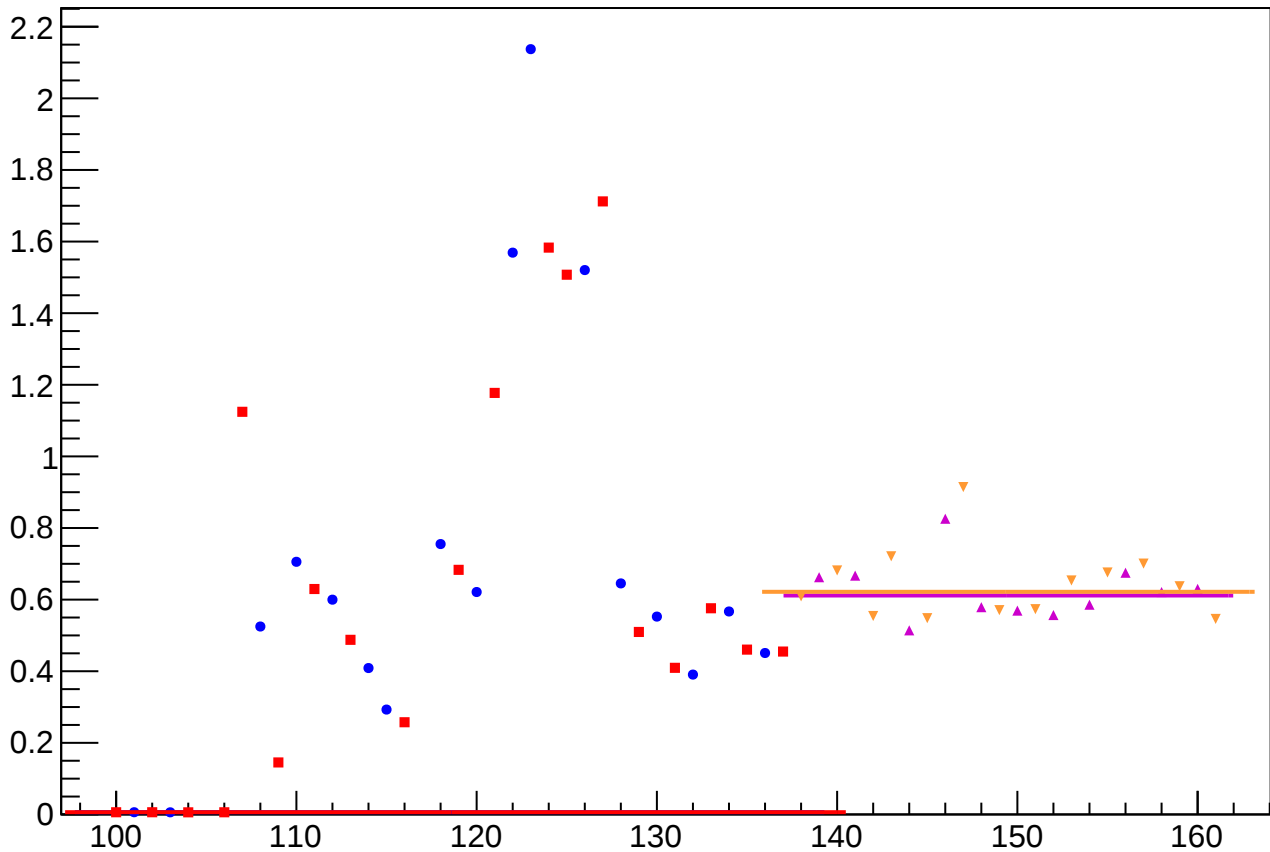
Right Out: 402.799+/-0.000 χ^2/NDF : 3103890772575.4/18

Left In: 145.114+/-0.000 χ^2/NDF : 125712545.9/10

402.819+/-0.000 χ^2/NDF : 2203808619952.9/29

402.685+/-0.000 χ^2/NDF : 4137524501881.2/29

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.622+/-0.000 χ^2/NDF :215252.9/12

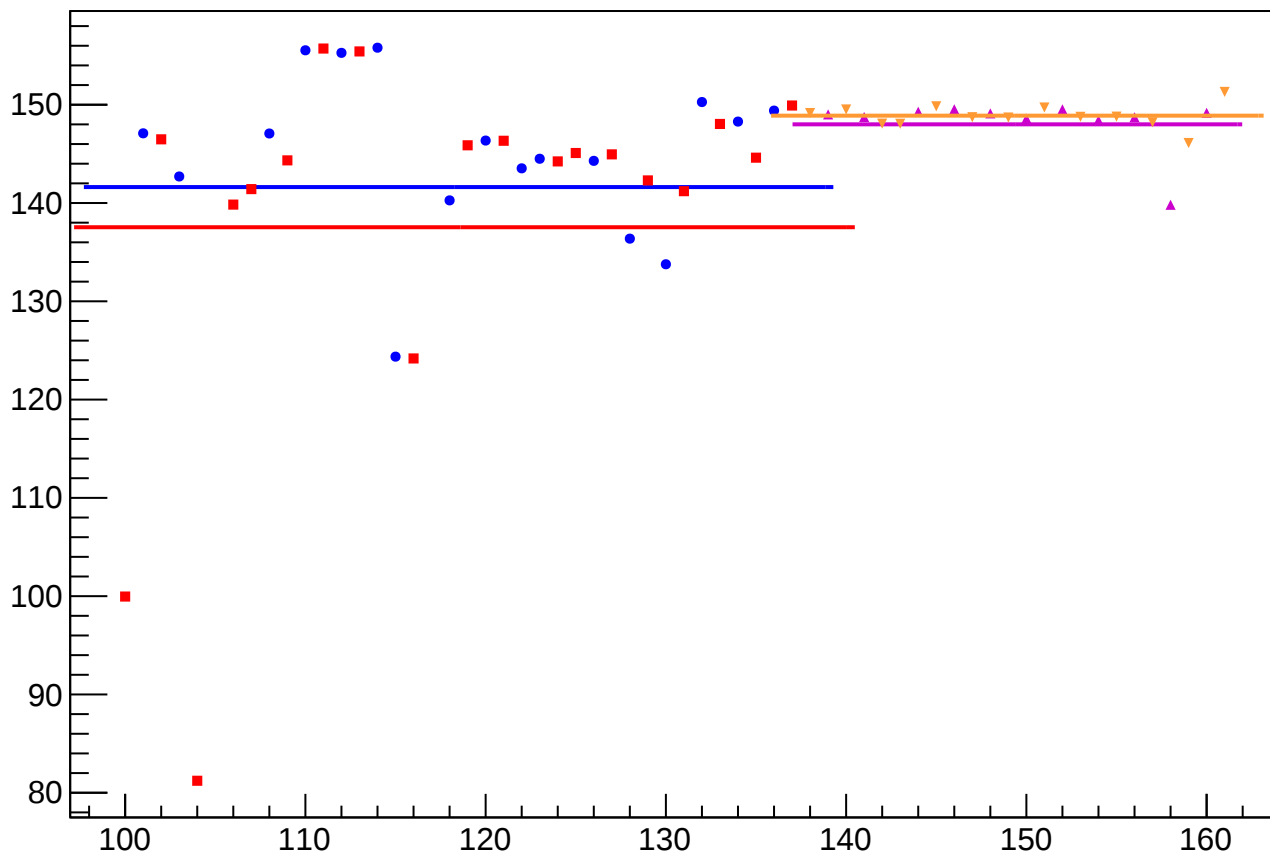
Right Out: 0.006+/-0.000 χ^2/NDF : 9212402.0/18

Left In: 0.612+/-0.000 χ^2/NDF :154845.1/10

0.007+/-0.000 χ^2/NDF : 22064732.2/29

0.007+/-0.000 χ^2/NDF : 20768616.7/29

yield_cav4cQ_mean vs Slug



Right In: 141.622 $\pm$ 0.000 χ^2 /NDF: 982037737.7/16

Left Out: 148.889 $\pm$ 0.000 χ^2 /NDF: 46854531.4/12

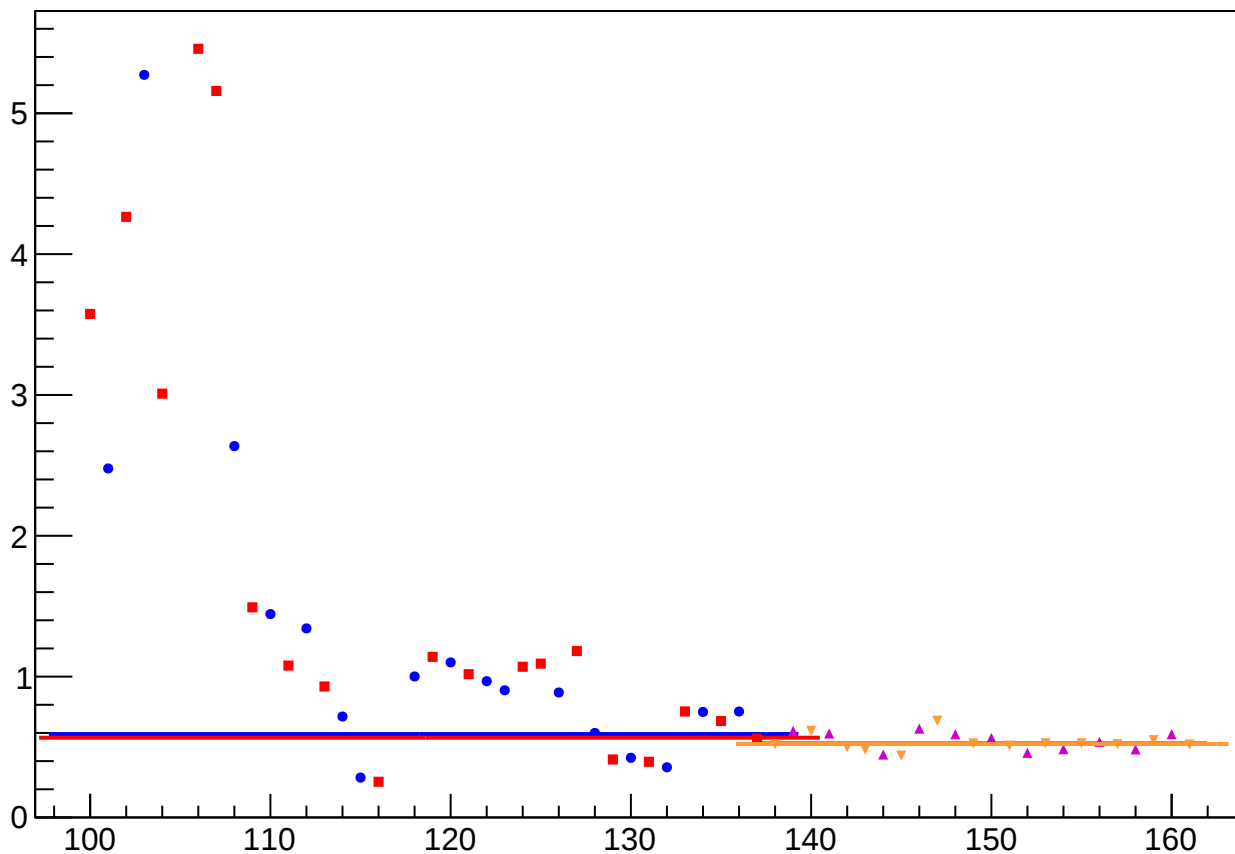
Right Out: 137.536 $\pm$ 0.000 χ^2 /NDF: 1315768553.6/18

Left In: 148.005 $\pm$ 0.000 χ^2 /NDF: 237250742.3/10

147.102 $\pm$ 0.000 χ^2 /NDF: 1431857456.4/29

145.117 $\pm$ 0.000 χ^2 /NDF: 2395856254.4/29

yield_cav4cQ_rms vs Slug



Right In: 0.592 ± 0.000 χ^2/NDF : 3521577.2/16

Left Out: 0.521 ± 0.000 χ^2/NDF : 168226.5/12

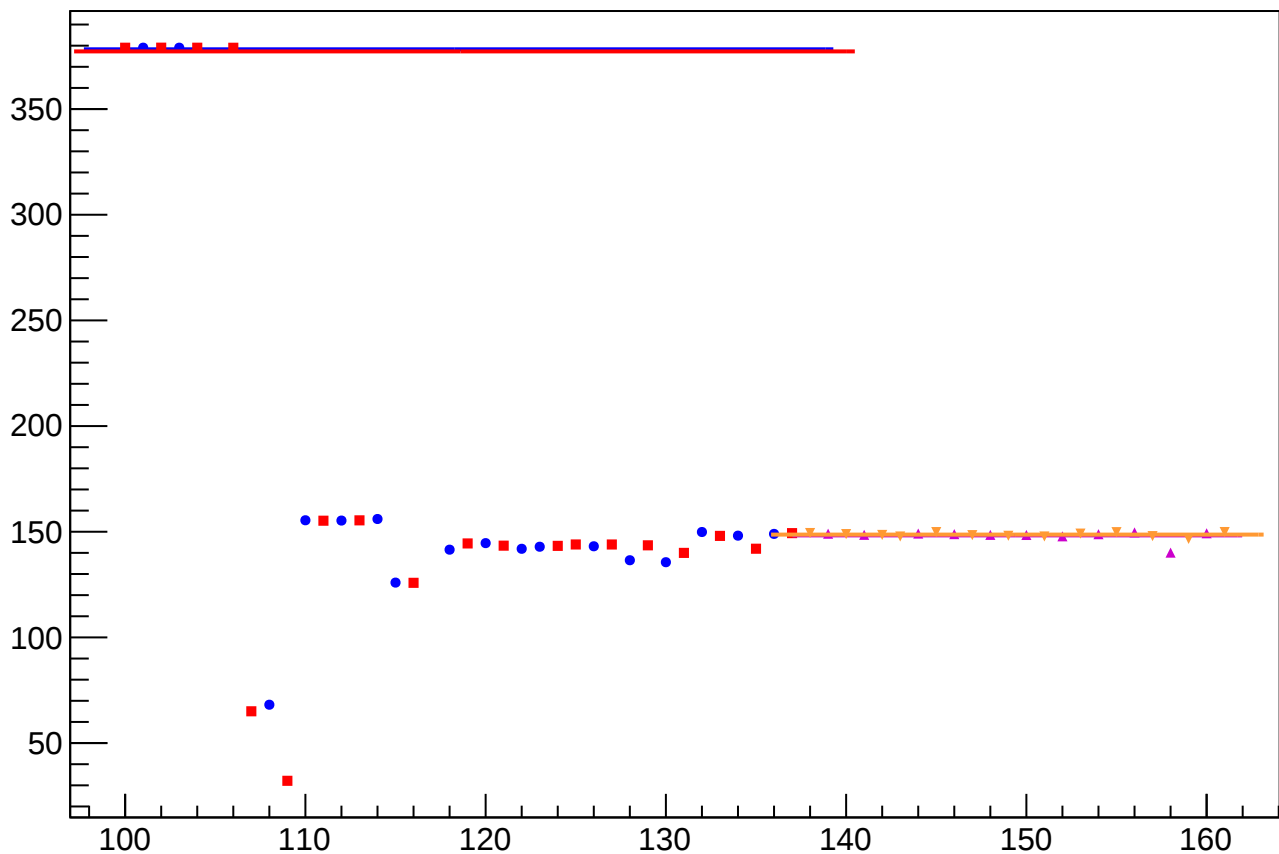
Right Out: 0.566 ± 0.000 χ^2/NDF : 4682140.9/18

Left In: 0.526 ± 0.000 χ^2/NDF : 221081.3/10

0.539 ± 0.000 χ^2/NDF : 3766681.8/29

0.537 ± 0.000 χ^2/NDF : 4928398.3/29

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16

Left Out: 148.648+/-0.000 χ^2/NDF : 43902277.9/12

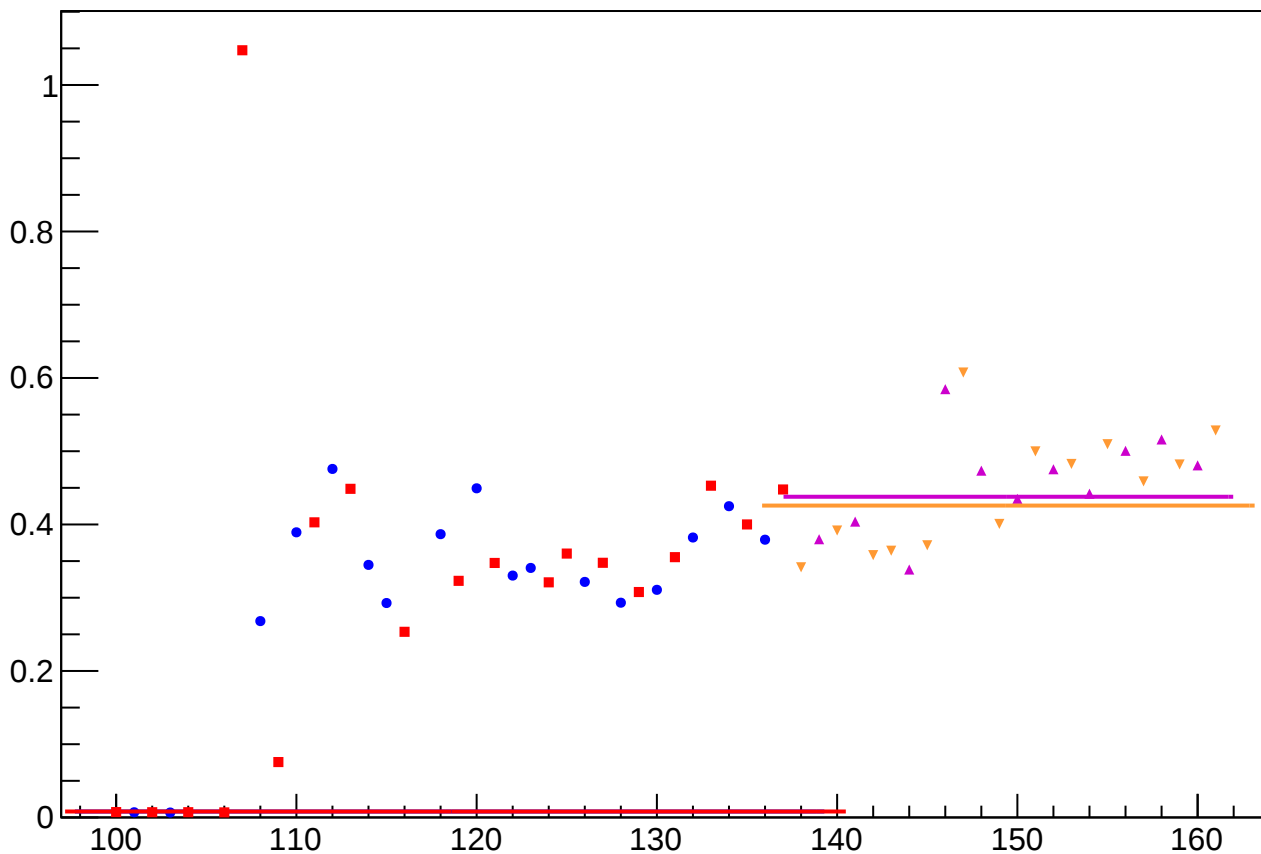
Right Out: 377.289+/-0.000 χ^2/NDF : 8279468194444.1/18

Left In: 148.273+/-0.000 χ^2/NDF : 209782939.1/10

377.416+/-0.000 χ^2/NDF : 5159072762911.2/29

376.627+/-0.000 χ^2/NDF : 10581931320014.5/29

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.426+/-0.000 χ^2/NDF : 518027.2/12

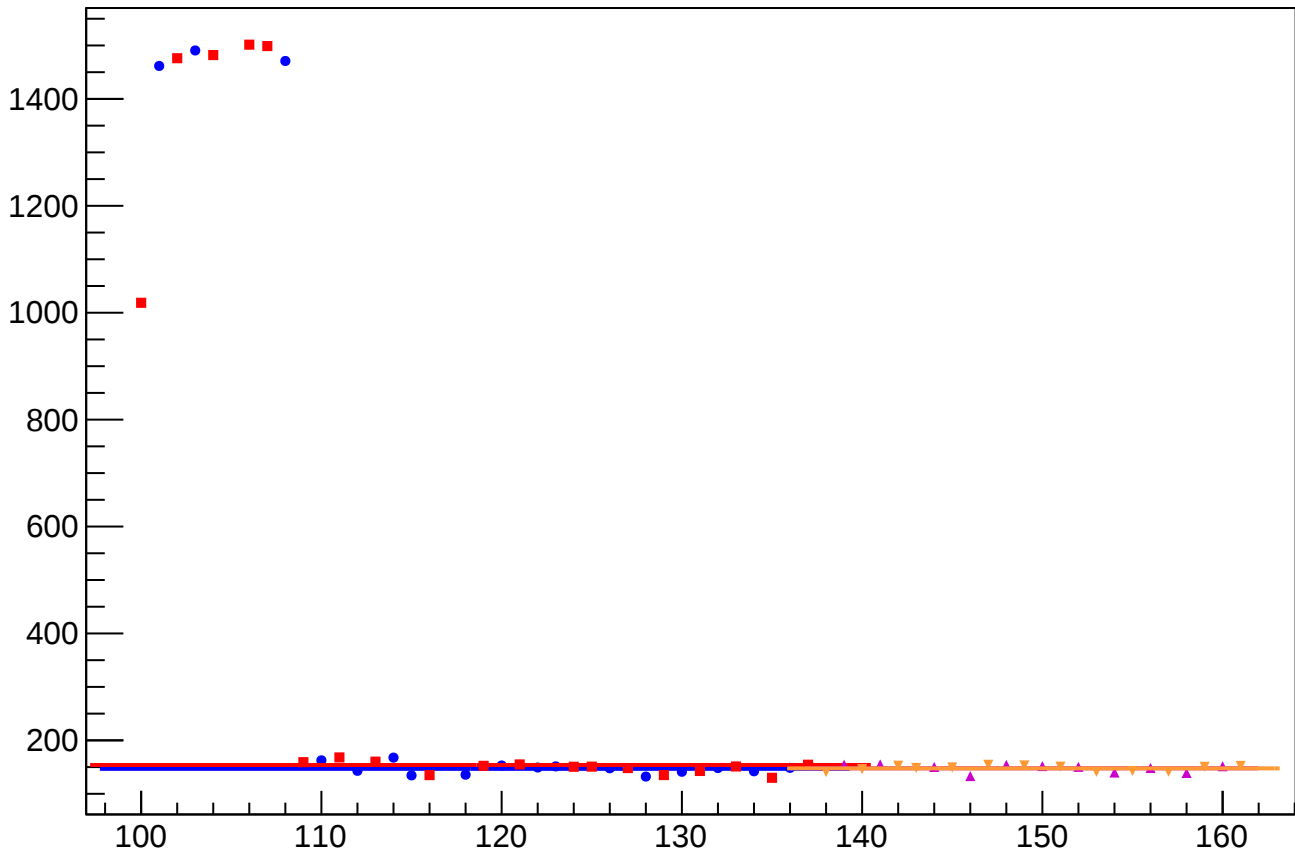
Right Out: 0.008+/-0.000 χ^2/NDF : 9535410.6/18

Left In: 0.438+/-0.000 χ^2/NDF : 377000.3/10

0.010+/-0.000 χ^2/NDF : 27916597.6/29

0.009+/-0.000 χ^2/NDF : 26122251.1/29

yield_bcm0l02_mean vs Slug



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 147.604+/-0.000 χ^2/NDF : 230051789.0/12

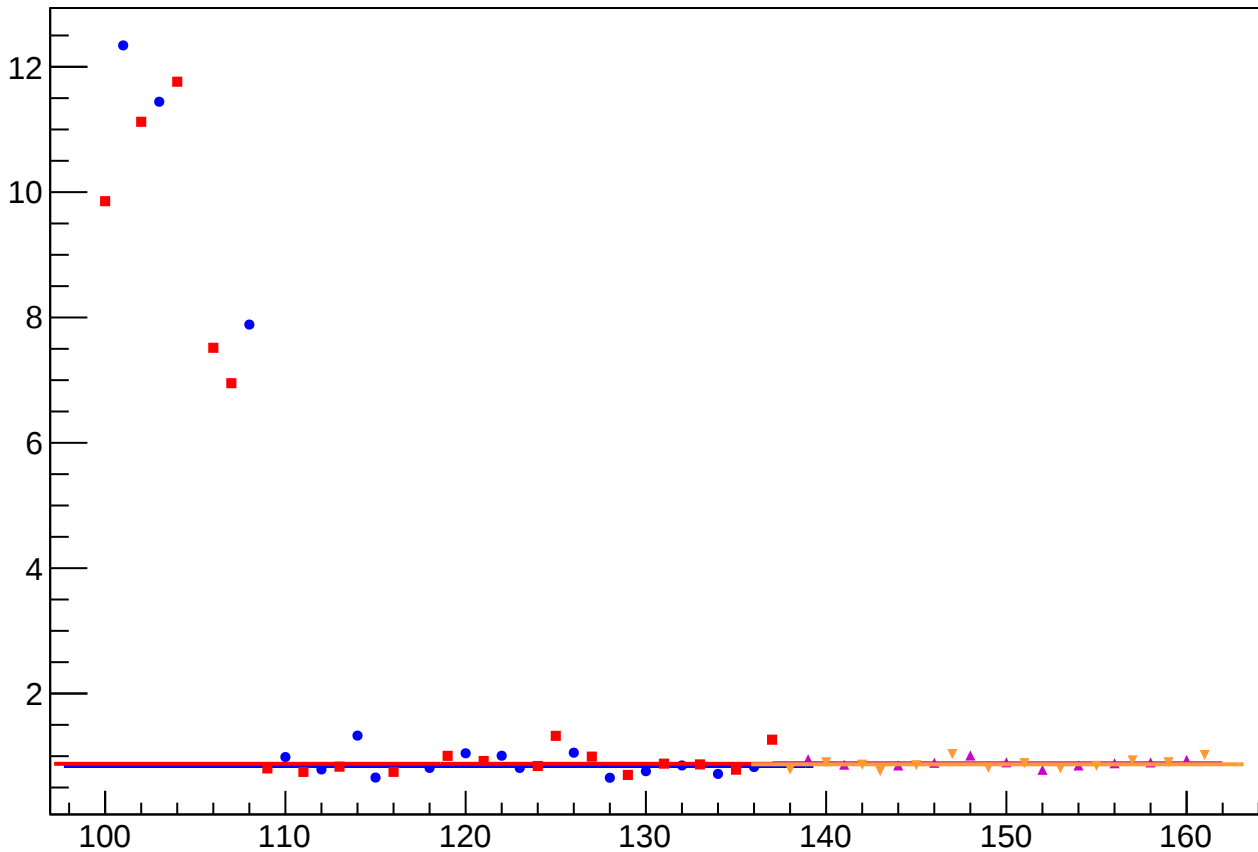
147.298+/-0.000 χ^2/NDF : 24583635080.1/29

Right Out: 153.887+/-0.000 χ^2/NDF : 33738118250.9/18

149.991+/-0.000 χ^2/NDF : 34304286852.0/29

Left In: 147.724+/-0.000 χ^2/NDF : 439136515.4/10

yield_bcm0l02_rms vs Slug



Right In: 0.844+/-0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.870+/-0.000 χ^2/NDF :117099.6/12

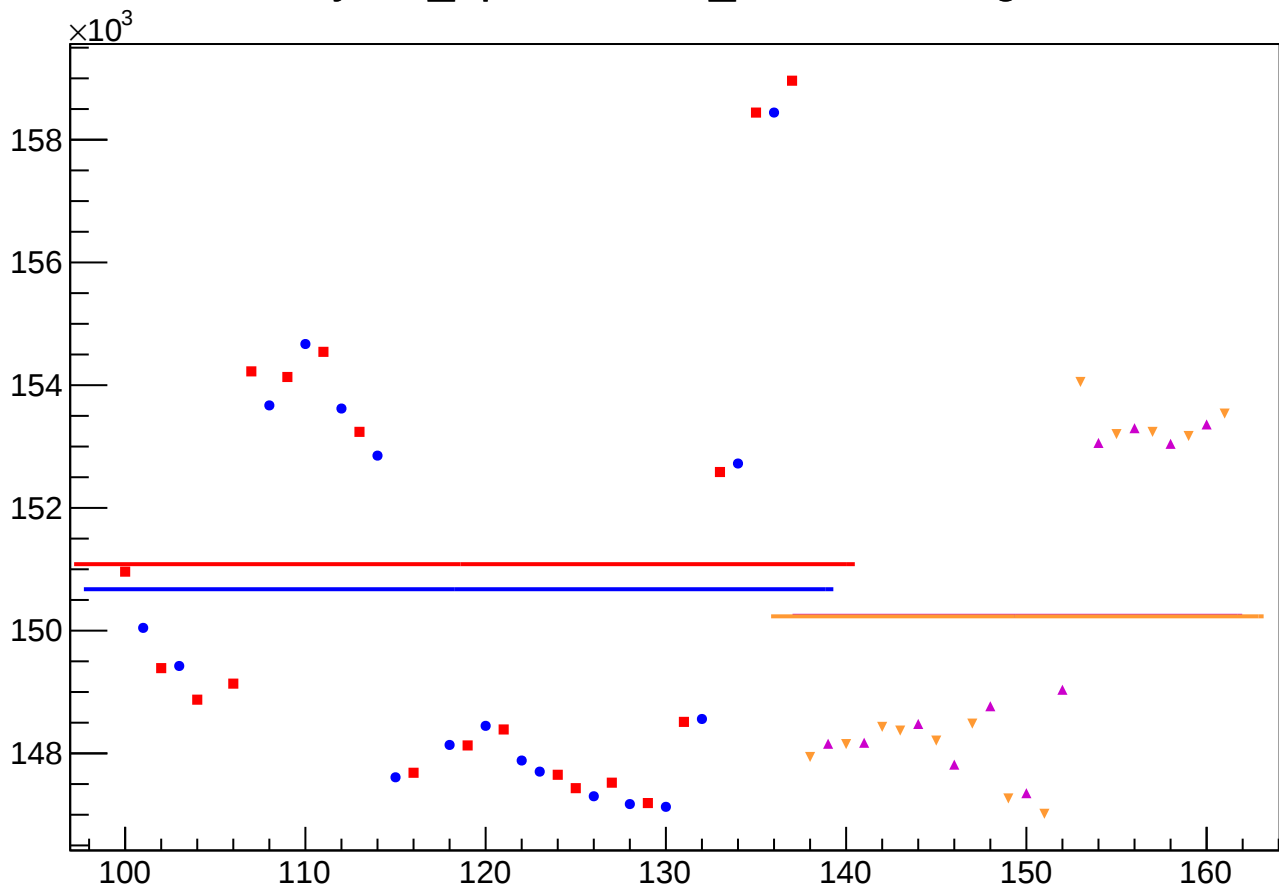
0.861+/-0.000 χ^2/NDF : 2792573.6/29

Right Out: 0.878+/-0.000 χ^2/NDF : 2812500.6/18

0.884+/-0.000 χ^2/NDF : 2873251.7/29

Left In: 0.887+/-0.000 χ^2/NDF :60259.6/10

yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 ± 0.063 $\chi^2/\text{NDF}: 3309974859.4/16$

Left Out: 150233.161 ± 0.060 $\chi^2/\text{NDF}: 2096841185.7/12$

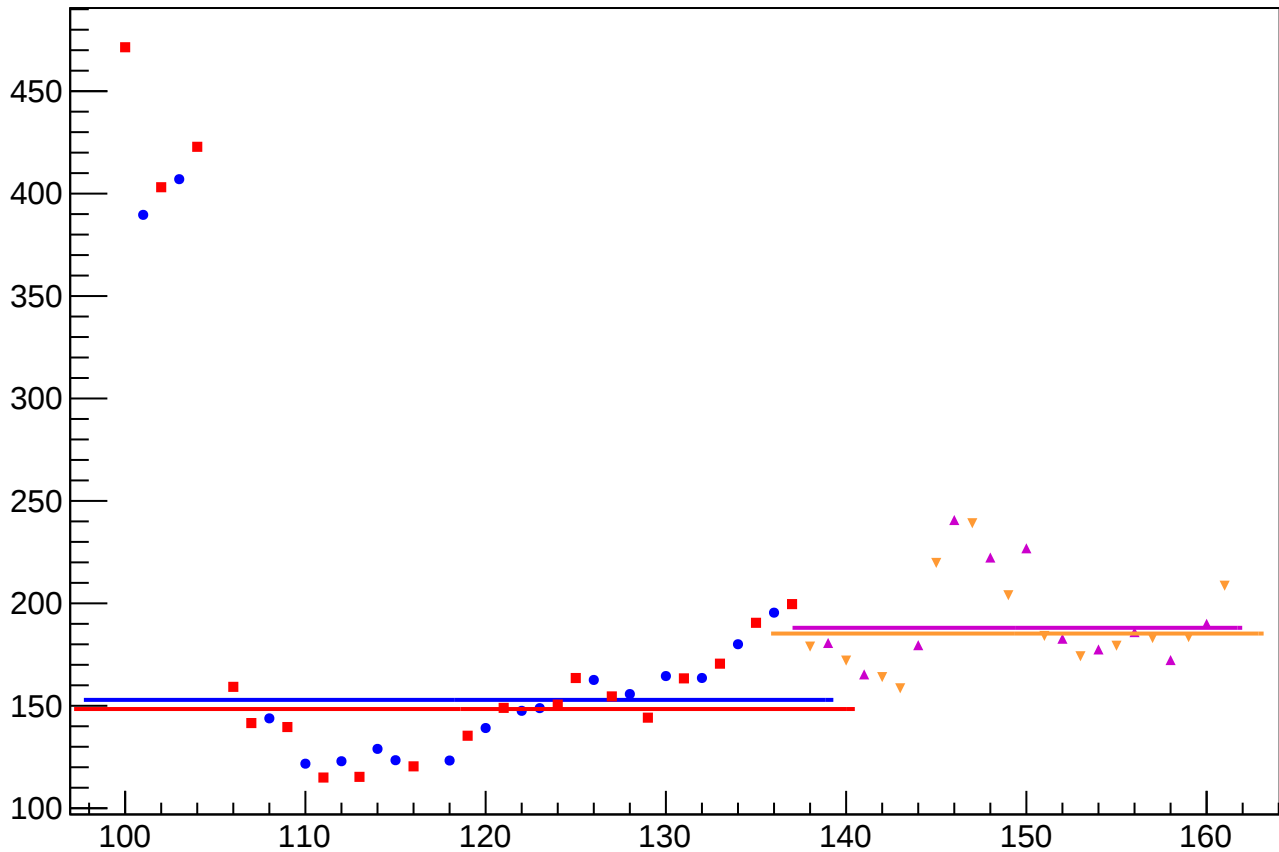
Right Out: 151083.268 ± 0.060 $\chi^2/\text{NDF}: 3300830370.5/18$

Left In: 150242.120 ± 0.064 $\chi^2/\text{NDF}: 1436892948.0/10$

150443.591 ± 0.043 $\chi^2/\text{NDF}: 5432612931.1/29$

150690.193 ± 0.044 $\chi^2/\text{NDF}: 4830516982.5/29$

yield_bpm0i01WS_rms vs Slug



Right In: 152.883 ± 0.045 χ^2/NDF : 1154088.7/16

Left Out: 185.258 ± 0.042 χ^2/NDF : 220730.7/12

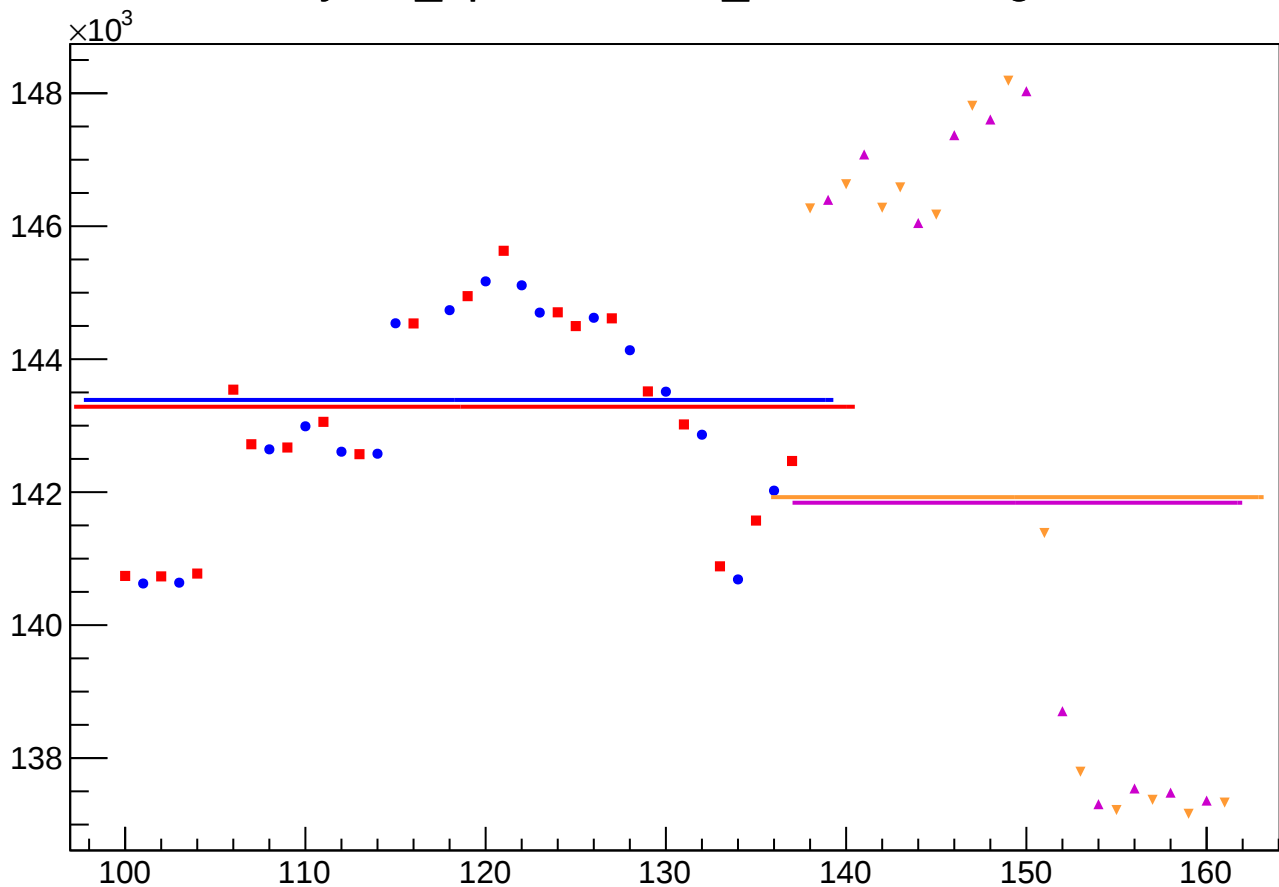
Right Out: 148.418 ± 0.042 χ^2/NDF : 1191577.6/18

Left In: 188.061 ± 0.045 χ^2/NDF : 222457.2/10

169.840 ± 0.031 χ^2/NDF : 1651793.4/29

166.943 ± 0.031 χ^2/NDF : 1826252.5/29

yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099 ± 0.053 χ^2/NDF : 521299875.7/16

Left Out: 141924.913 ± 0.057 χ^2/NDF : 6328151269.5/12

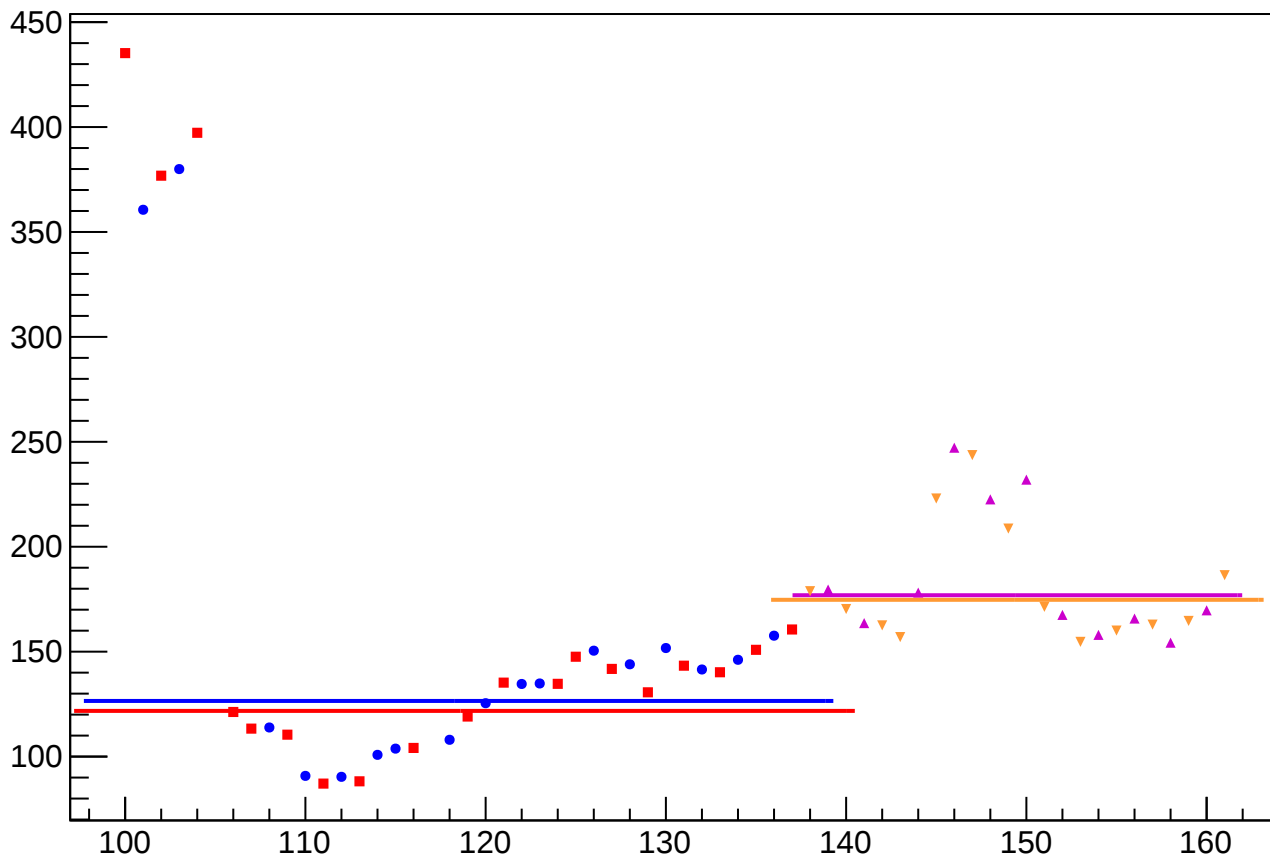
Right Out: 142710.786 ± 0.039 χ^2/NDF : 7205193970.5/29

Left In: 141840.963 ± 0.060 χ^2/NDF : 5981500799.5/10

142710.786 ± 0.039 χ^2/NDF : 7205193970.5/29

142708.851 ± 0.038 χ^2/NDF : 6935026310.0/29

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 ± 0.037 χ^2/NDF : 1441685.0/16

Left Out: 174.712 ± 0.040 χ^2/NDF : 321221.8/12

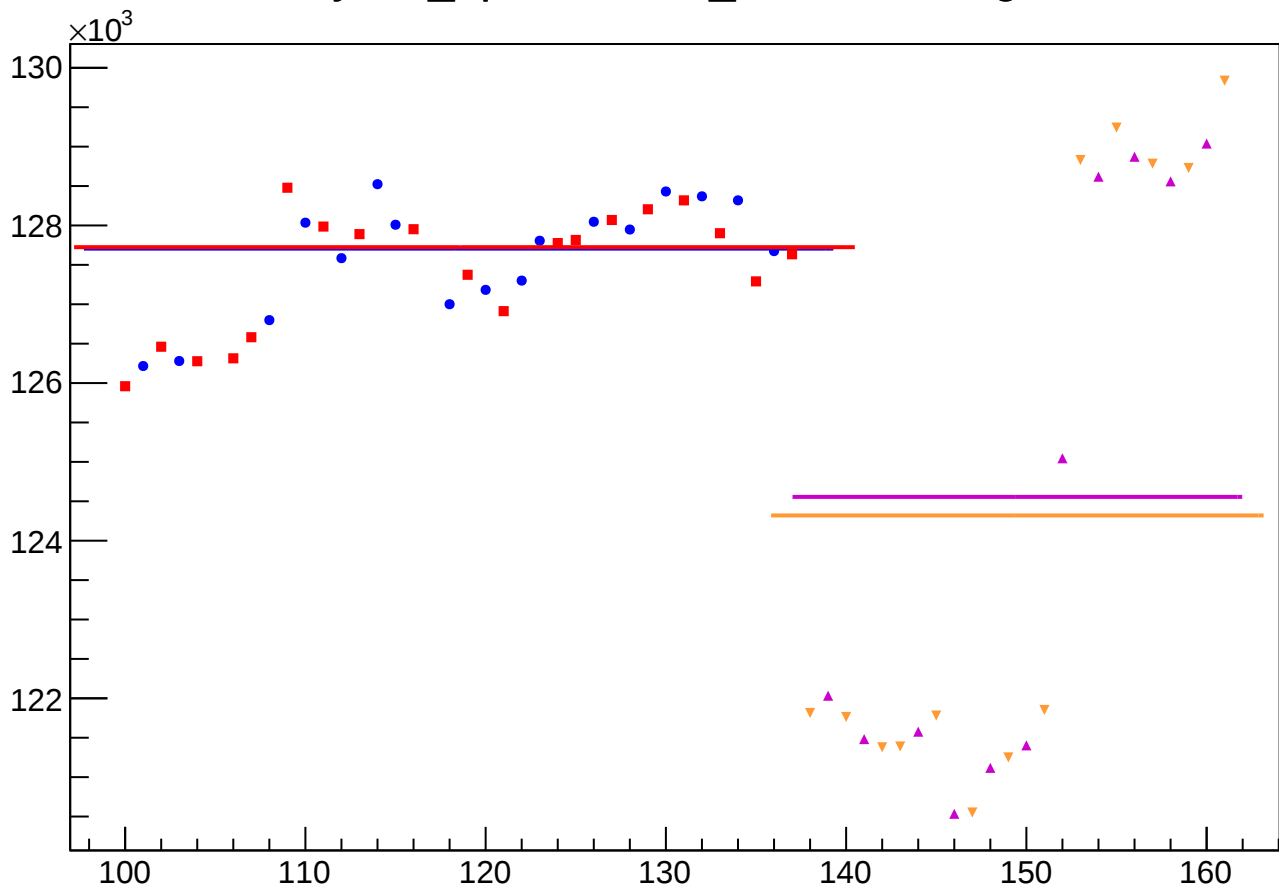
Right Out: 121.772 ± 0.035 χ^2/NDF : 1463829.4/18

Left In: 176.893 ± 0.043 χ^2/NDF : 374760.6/10

148.807 ± 0.027 χ^2/NDF : 2535977.3/29

143.759 ± 0.027 χ^2/NDF : 2843966.9/29

yield_bpm0l01WS_mean vs Slug



Right In: 127706.194 $\pm$ 0.058 χ^2 /NDF: 97860521.1/16

Left Out: 124320.296 $\pm$ 0.055 χ^2 /NDF: 4410888771.7/12

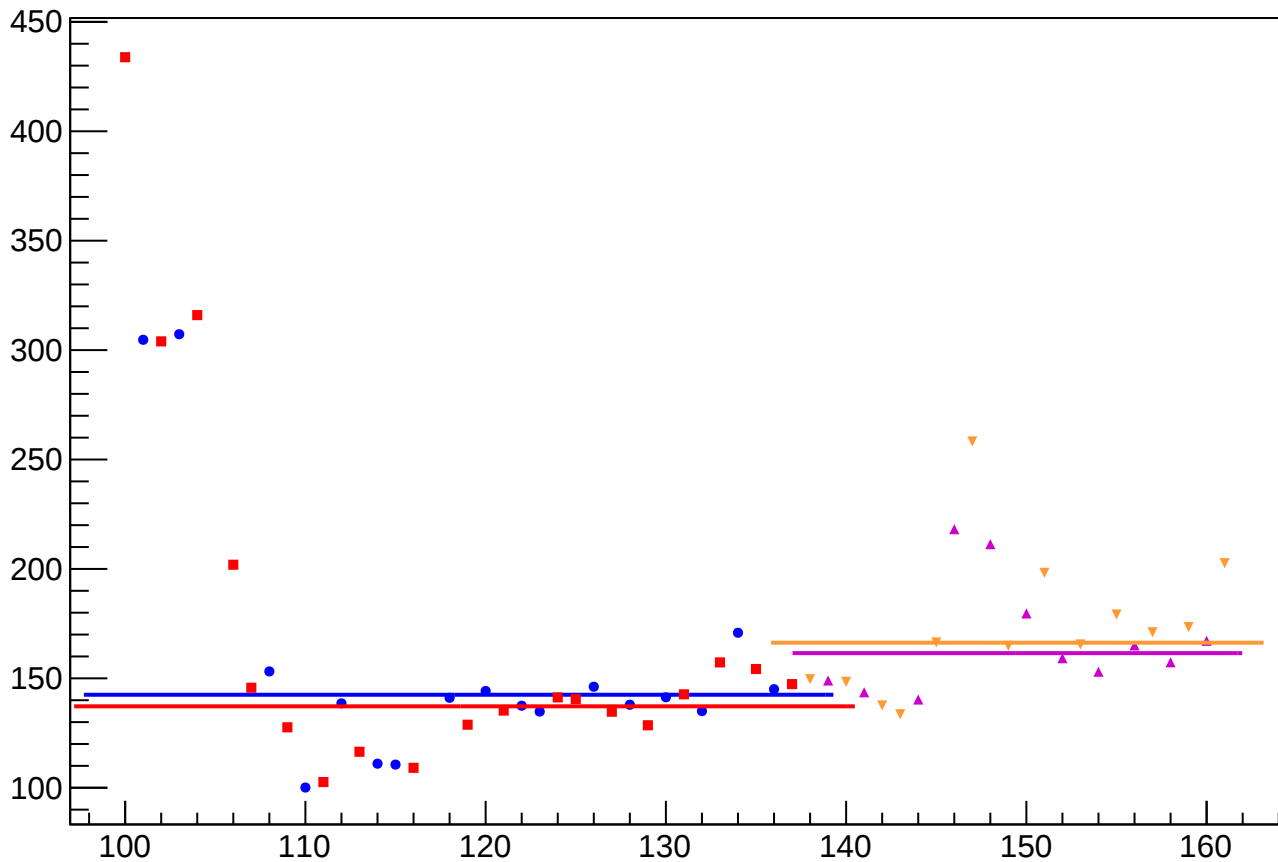
Right Out: 127724.256 $\pm$ 0.055 χ^2 /NDF: 112614317.2/18

Left In: 124555.721 $\pm$ 0.055 χ^2 /NDF: 3864520929.4/10

125913.592 $\pm$ 0.040 χ^2 /NDF: 6309338255.7/29

126160.828 $\pm$ 0.039 χ^2 /NDF: 5643285117.2/29

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 $\pm$ 0.041 χ^2 /NDF: 836263.7/16

Left Out: 166.290 $\pm$ 0.039 χ^2 /NDF: 449875.2/12

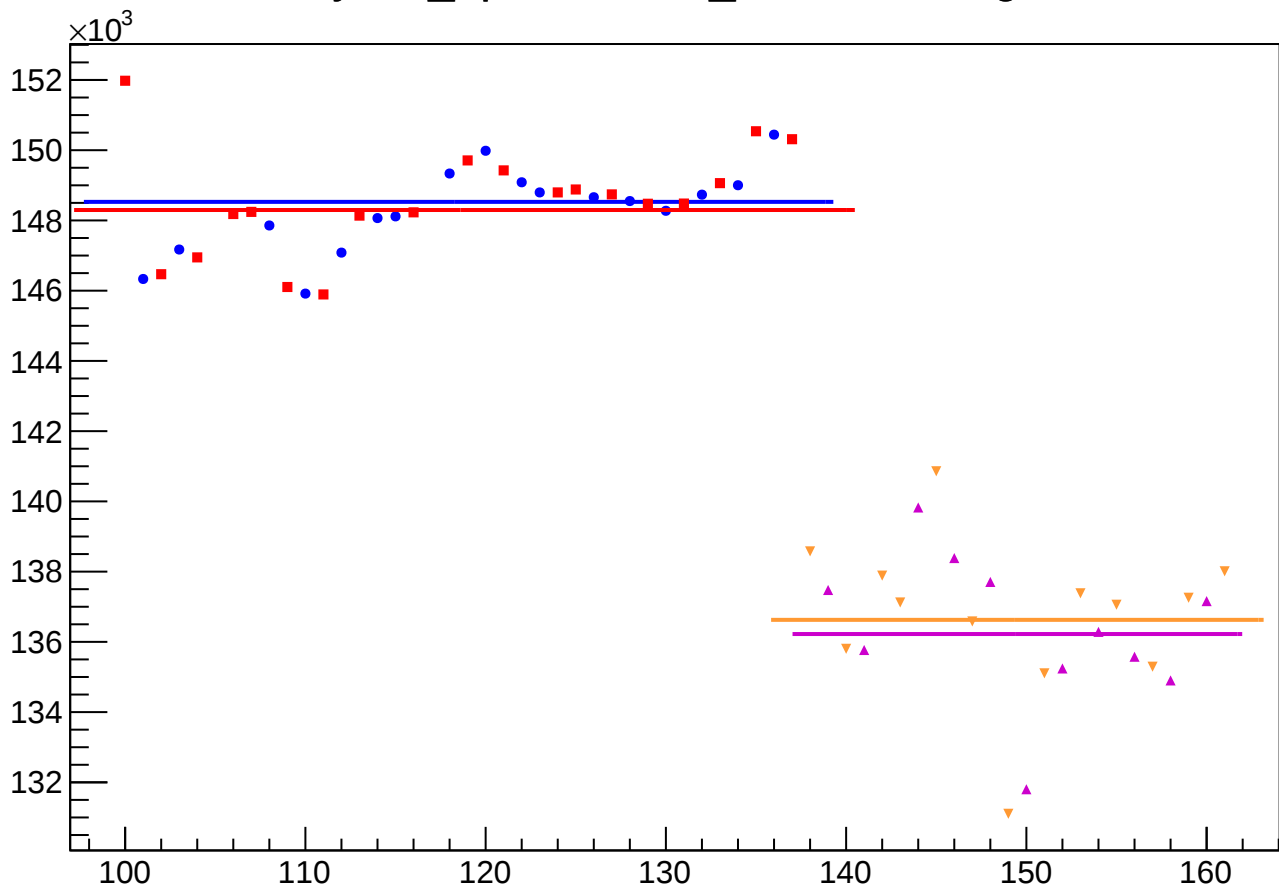
Right Out: 137.211 $\pm$ 0.039 χ^2 /NDF: 957317.1/18

Left In: 161.530 $\pm$ 0.039 χ^2 /NDF: 290090.1/10

155.096 $\pm$ 0.028 χ^2 /NDF: 1463896.8/29

149.211 $\pm$ 0.027 χ^2 /NDF: 1443697.2/29

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 $\pm$ 0.082 χ^2 /NDF: 209986594.2/16

Left Out: 136626.968 $\pm$ 0.080 χ^2 /NDF: 790231438.0/12

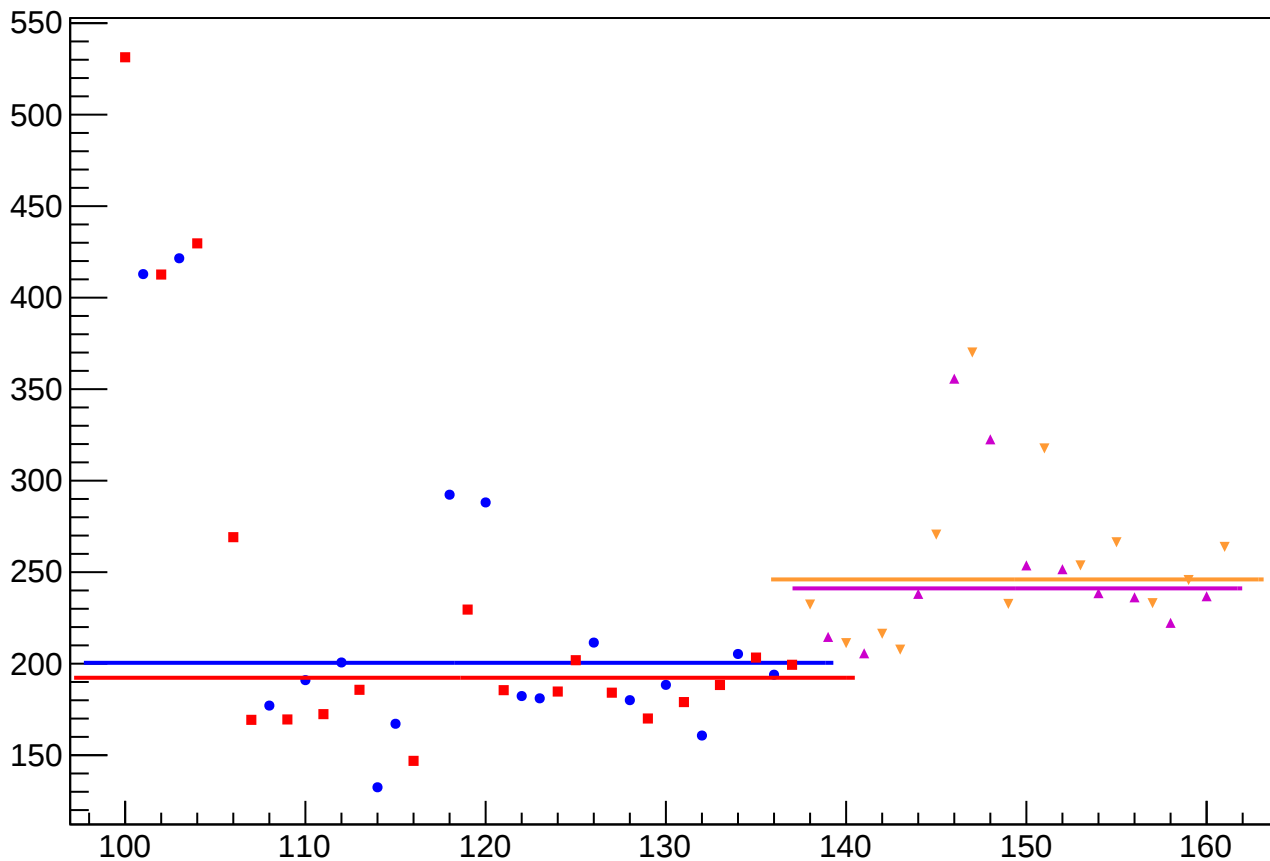
Right Out: 148297.126 $\pm$ 0.076 χ^2 /NDF: 293244556.5/18

Left In: 136223.140 $\pm$ 0.082 χ^2 /NDF: 582792040.5/10

142458.068 $\pm$ 0.057 χ^2 /NDF: 11727350666.8/2

142705.203 $\pm$ 0.056 χ^2 /NDF: 12439839651.7/2

yield_bpm0l02WS_rms vs Slug



Right In: 200.472+/-0.058 χ^2/NDF : 936547.2/16

Left Out: 246.036+/-0.057 χ^2/NDF : 398391.8/12

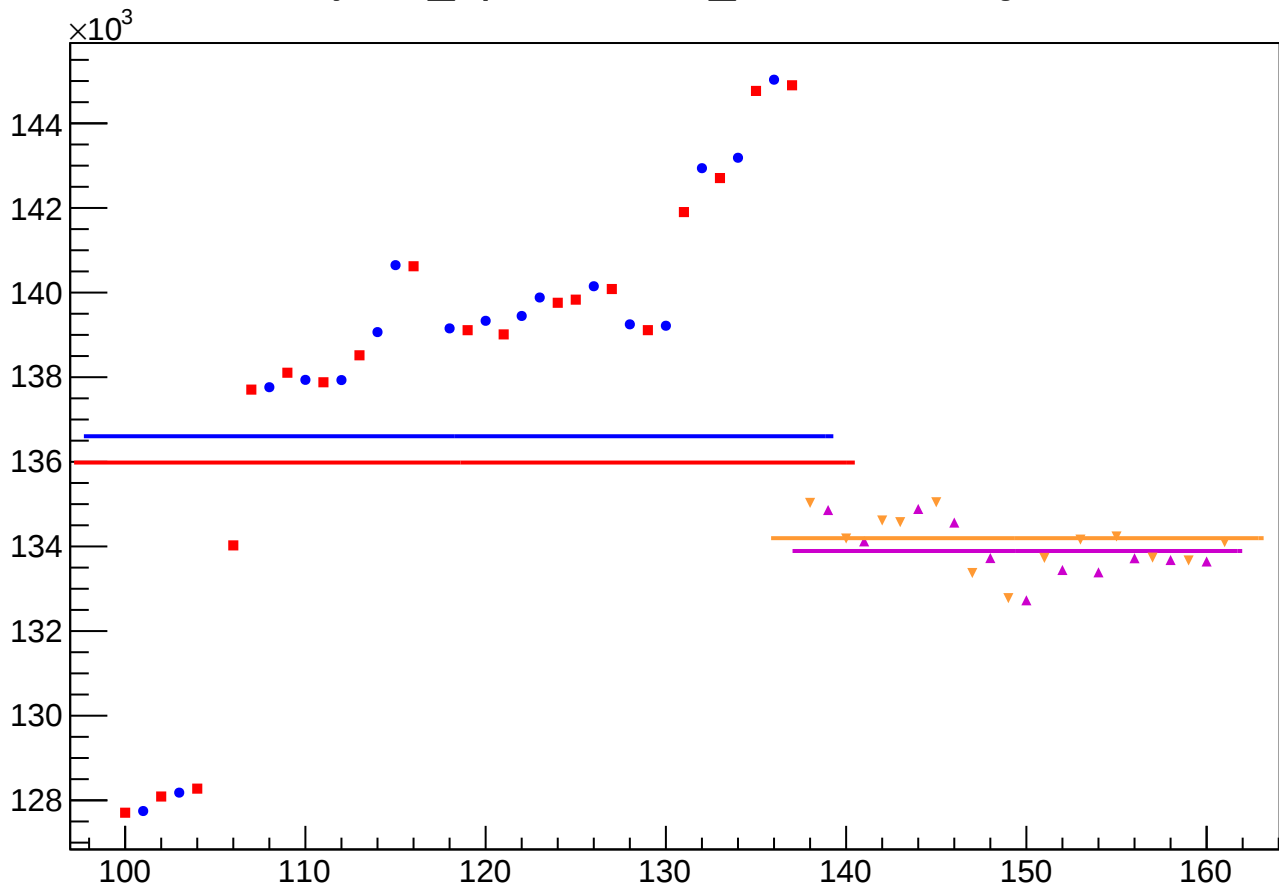
Right Out: 192.304+/-0.054 χ^2/NDF : 844504.1/18

Left In: 241.138+/-0.058 χ^2/NDF : 350693.9/10

223.713+/-0.041 χ^2/NDF : 1649369.7/29

214.921+/-0.040 χ^2/NDF : 1573522.0/29

yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 ± 0.171 χ^2/NDF : 1494354557.3/16

Left Out: 134195.608 ± 0.191 χ^2/NDF : 10892839.6/12

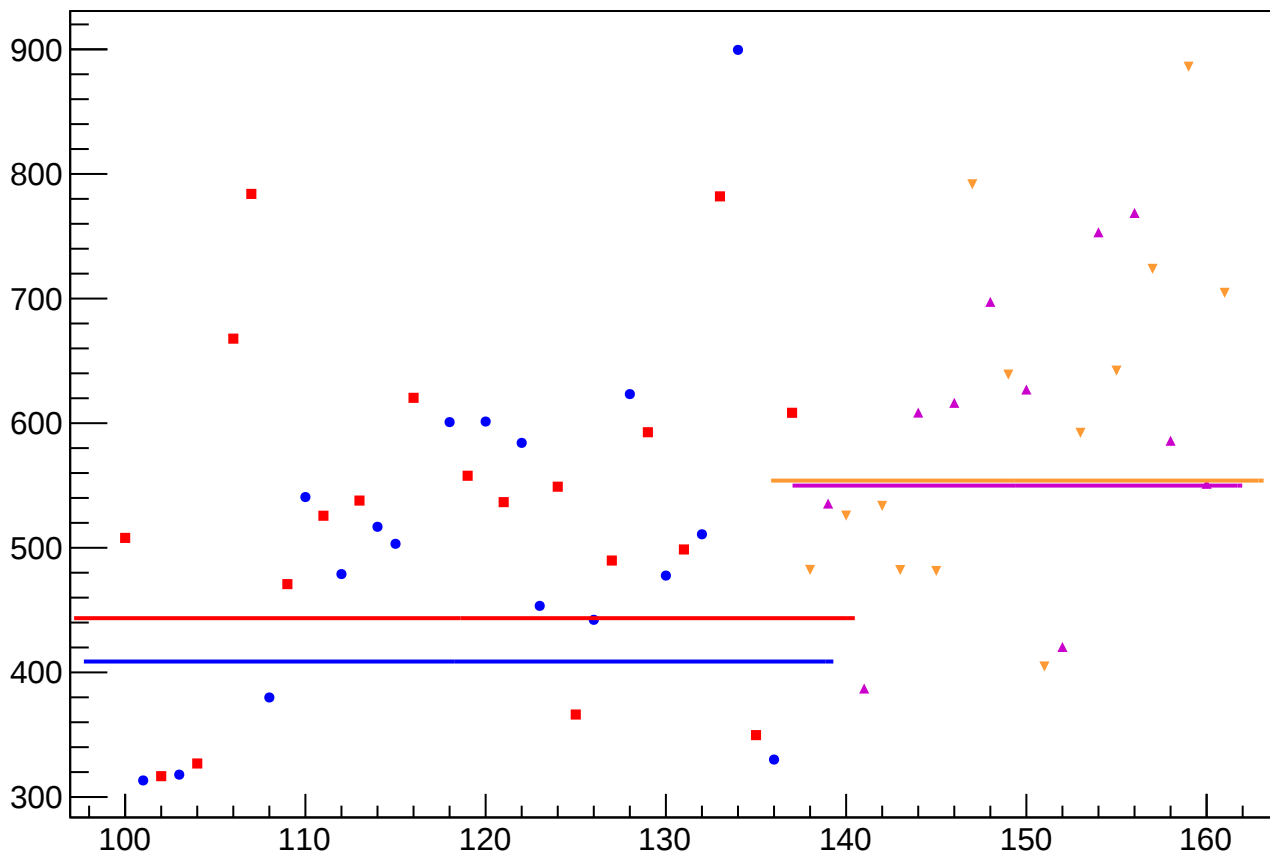
Right Out: 135982.842 ± 0.183 χ^2/NDF : 1082431147.9/18

Left In: 133892.519 ± 0.204 χ^2/NDF : 8972458.9/10

135532.500 ± 0.128 χ^2/NDF : 1593123701.2/29

135050.529 ± 0.136 χ^2/NDF : 1149798702.5/29

yield_bpm0l03WS_rms vs Slug



Right In: 408.729 $\pm$ 0.121 χ^2 /NDF: 823262.8/16

Left Out: 553.930 $\pm$ 0.135 χ^2 /NDF:800400.7/12

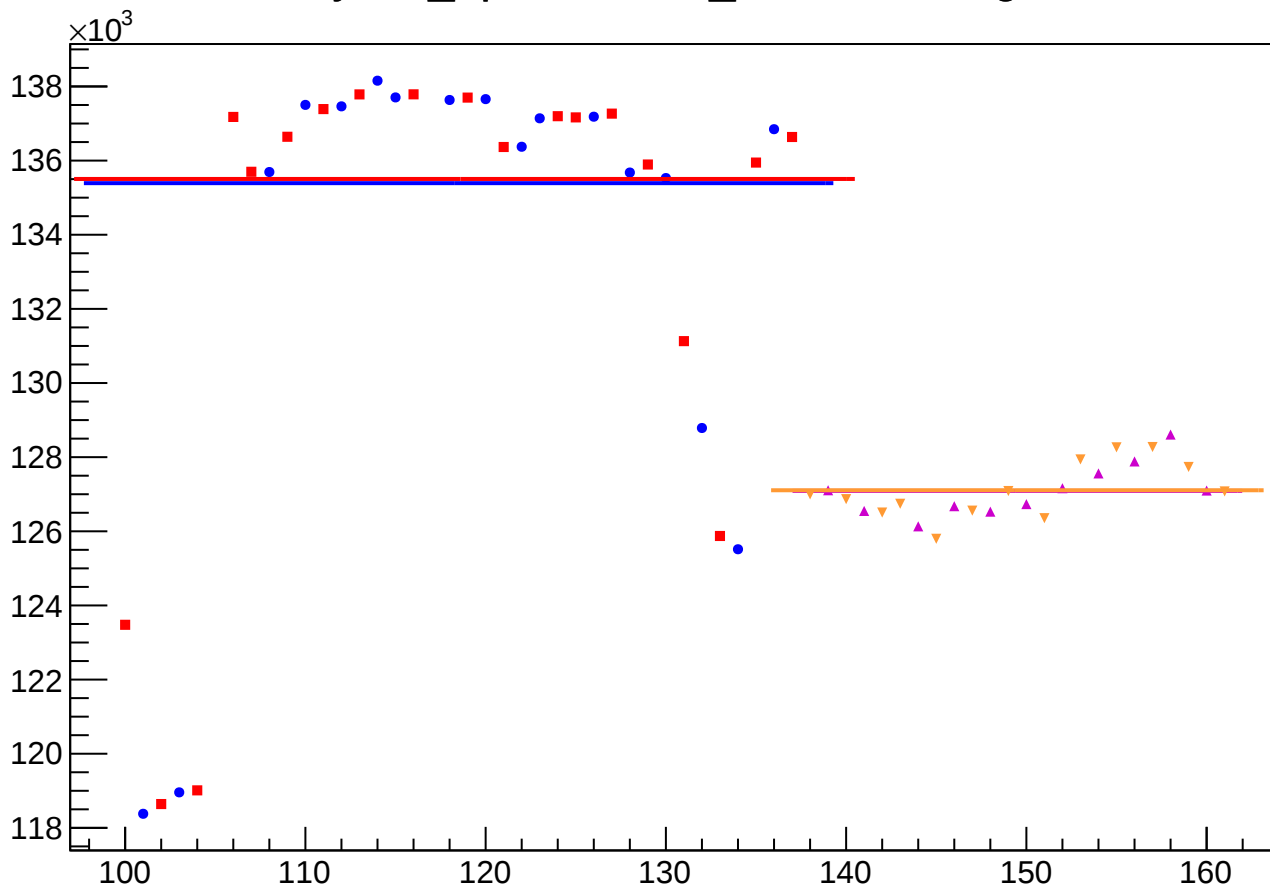
Right Out: 443.521 $\pm$ 0.129 χ^2 /NDF: 917492.4/18

Left In: 549.917 $\pm$ 0.144 χ^2 /NDF:694997.3/10

473.351 $\pm$ 0.090 χ^2 /NDF: 2262160.7/29

490.975 $\pm$ 0.096 χ^2 /NDF: 1915063.7/29

yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16

Left Out: 127107.143 $\pm$ 0.059 χ^2 /NDF: 150826182.7/12

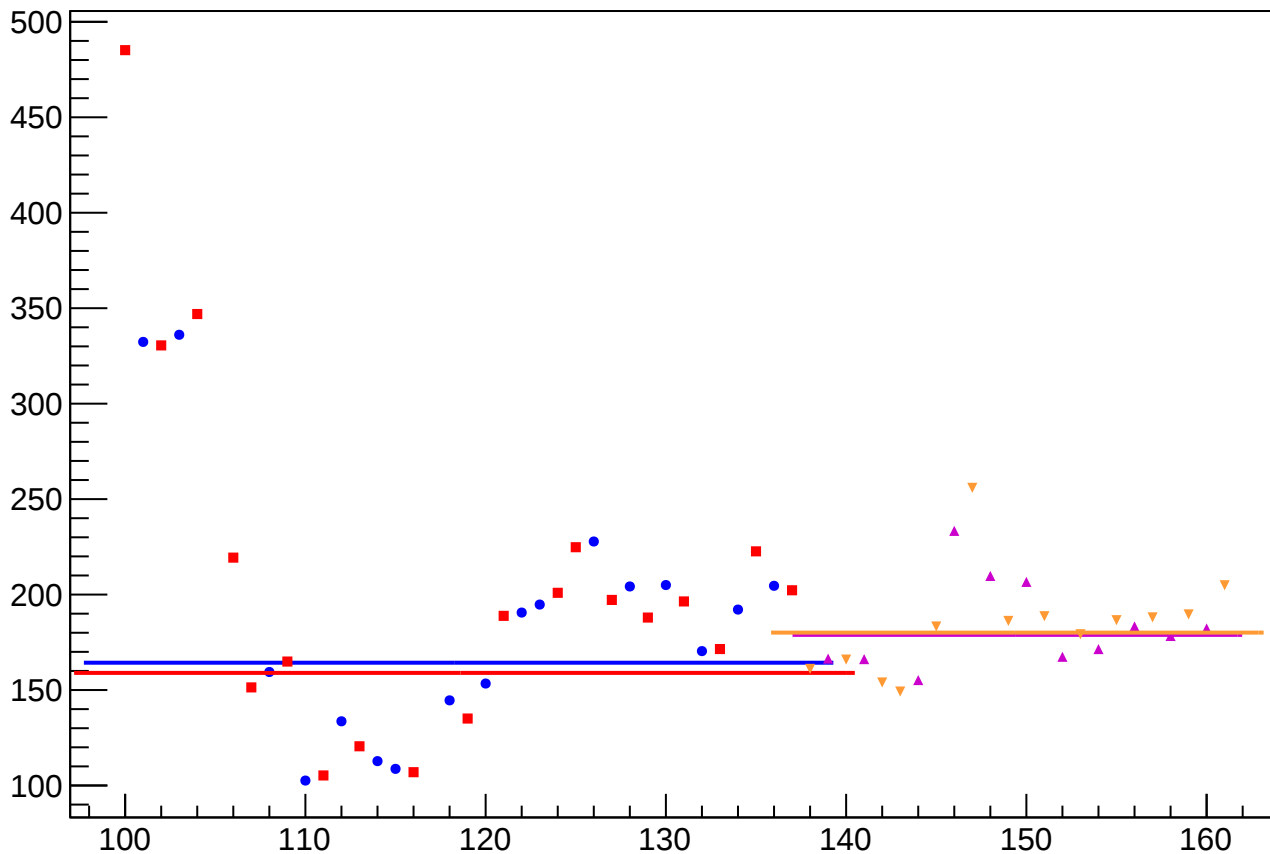
Right Out: 135504.836 $\pm$ 0.064 χ^2 /NDF: 4730667469.8/18

Left In: 127089.666 $\pm$ 0.061 χ^2 /NDF: 131351746.2/10

130628.725 $\pm$ 0.045 χ^2 /NDF: 13197897330.2/2

131056.816 $\pm$ 0.044 χ^2 /NDF: 13889735192.7/2

yield_bpm0l04WS_rms vs Slug



Right In: 164.311 ± 0.048 χ^2/NDF : 1230487.8/16

Left Out: 180.086 ± 0.042 χ^2/NDF : 284050.6/12

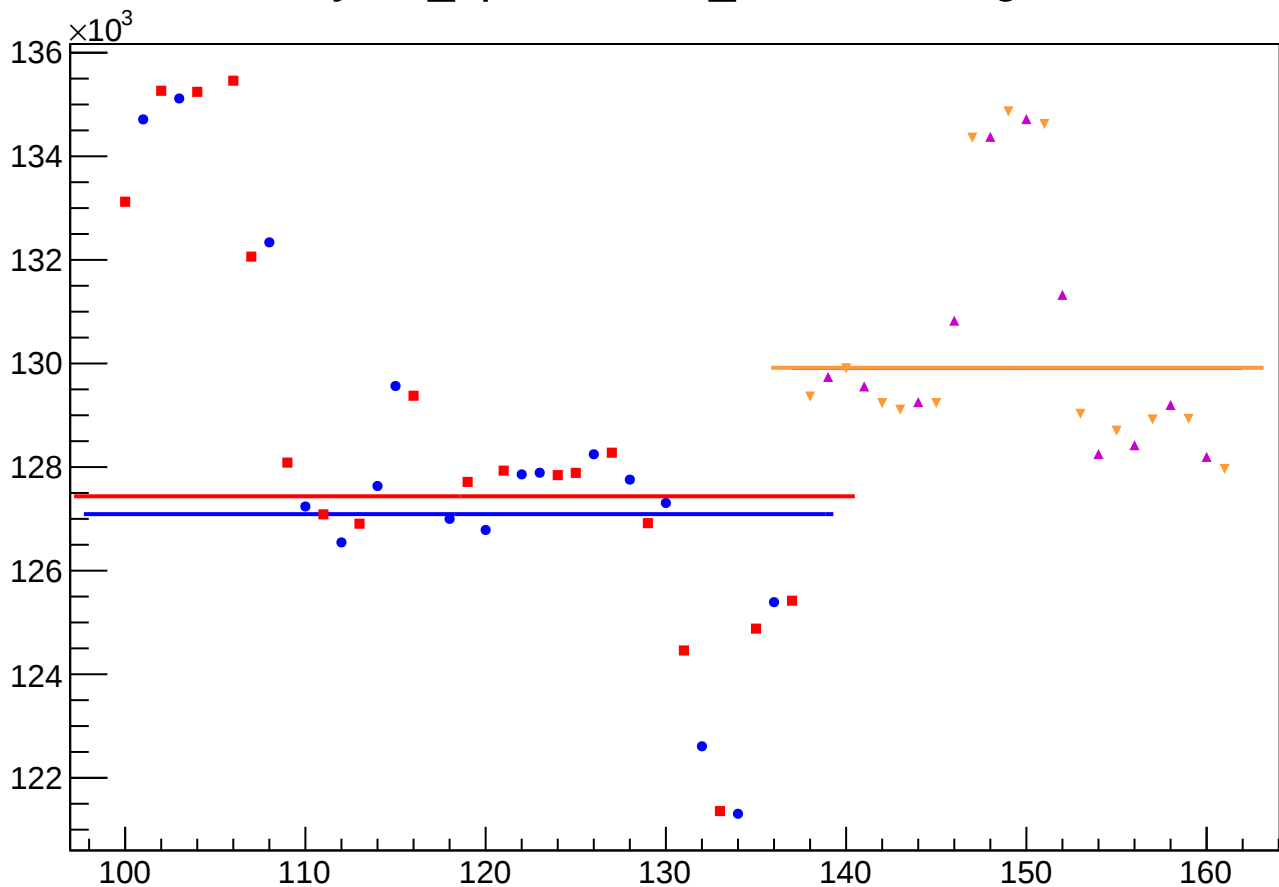
Right Out: 158.977 ± 0.046 χ^2/NDF : 1384059.2/18

Left In: 178.889 ± 0.043 χ^2/NDF : 218860.9/10

173.380 ± 0.031 χ^2/NDF : 1575940.1/29

169.502 ± 0.031 χ^2/NDF : 1704005.9/29

yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 $\pm$ 0.066 χ^2 /NDF: 1717208780.6/16

Left Out: 129917.510 $\pm$ 0.059 χ^2 /NDF: 1186138153.1/12

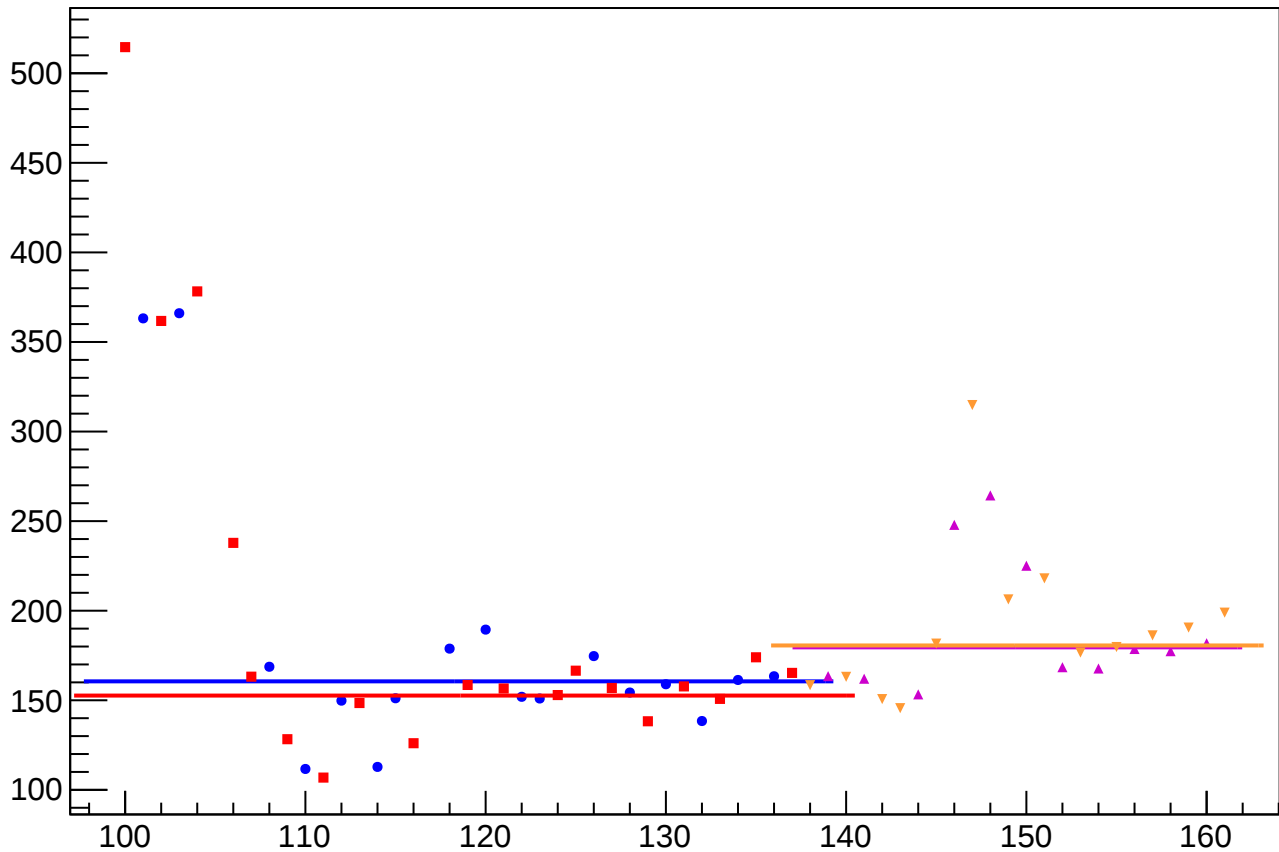
Right Out: 127436.101 $\pm$ 0.062 χ^2 /NDF: 2079075713.9/18

Left In: 129911.897 $\pm$ 0.061 χ^2 /NDF: 913584439.4/10

128658.711 $\pm$ 0.044 χ^2 /NDF: 3910807538.1/29

128675.139 $\pm$ 0.043 χ^2 /NDF: 3802533233.9/29

yield_bpm0l05WS_rms vs Slug



Right In: 160.564 $\pm$ 0.047 χ^2 /NDF: 942747.0/16

Left Out: 180.600 $\pm$ 0.042 χ^2 /NDF: 523235.2/12

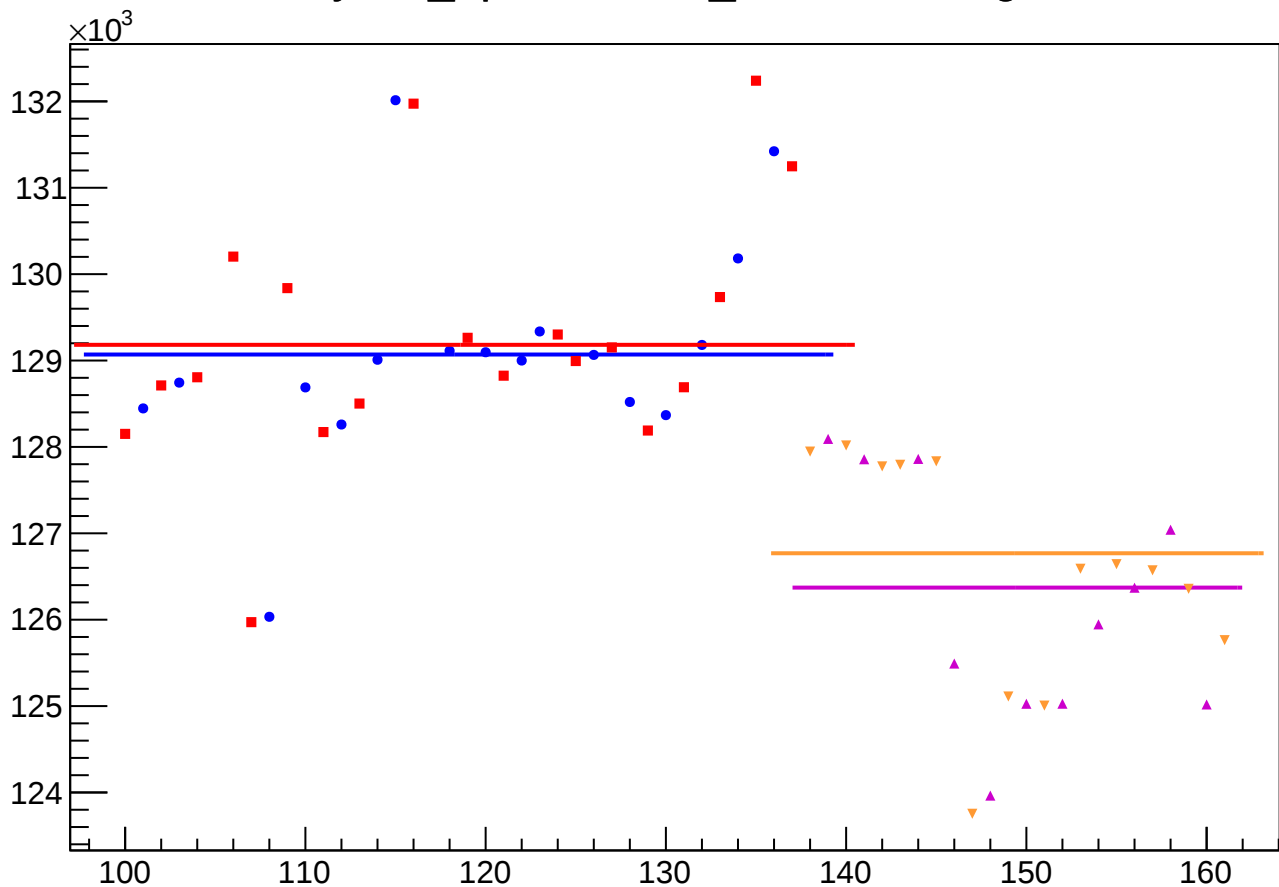
171.675 $\pm$ 0.031 χ^2 /NDF: 1567264.7/29

Right Out: 152.629 $\pm$ 0.044 χ^2 /NDF: 1086504.4/18

166.093 $\pm$ 0.031 χ^2 /NDF: 1724477.3/29

Left In: 179.533 $\pm$ 0.043 χ^2 /NDF: 446694.8/10

yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 ± 0.060 $\chi^2/\text{NDF}: 476692316.5/16$

Left Out: 126769.059 ± 0.057 $\chi^2/\text{NDF}: 432286586.8/12$

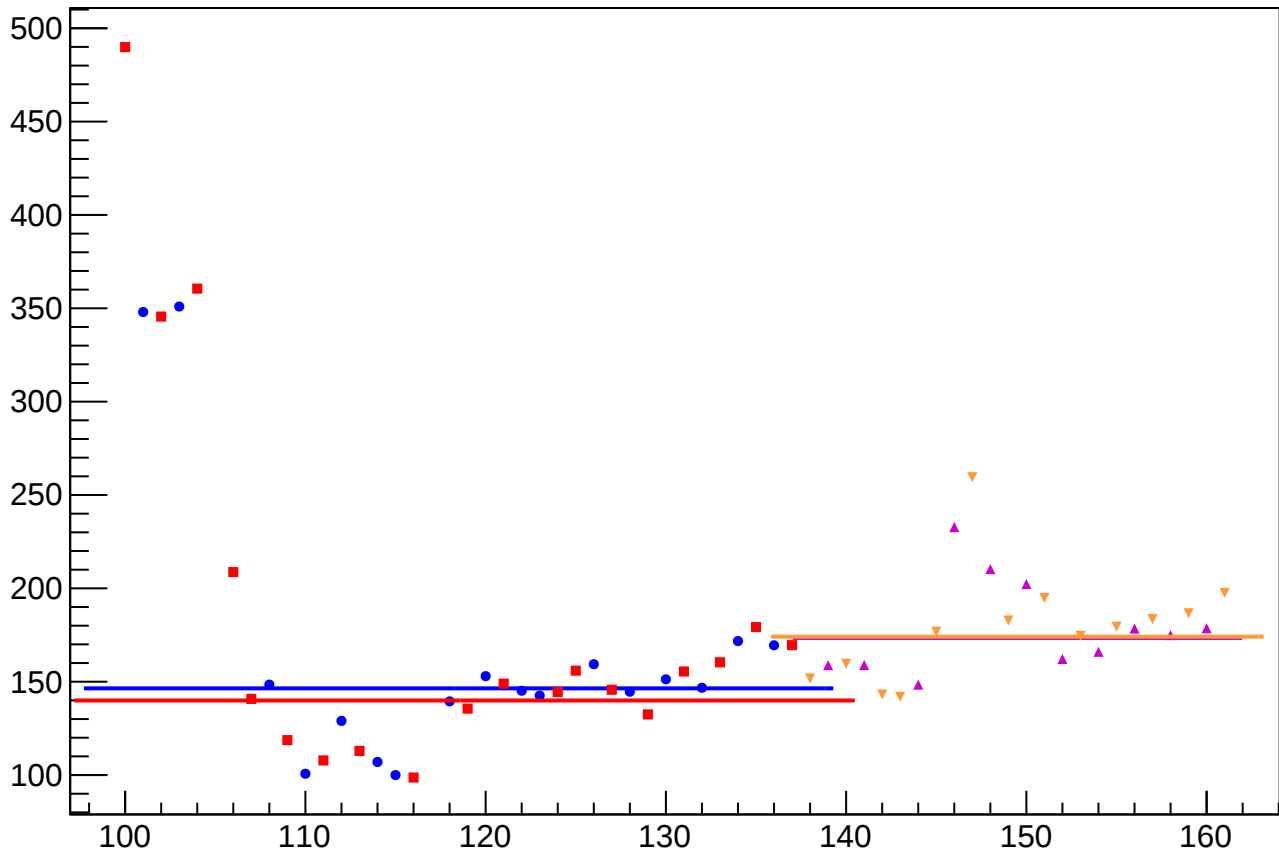
Right Out: 129181.887 ± 0.056 $\chi^2/\text{NDF}: 625597399.6/18$

Left In: 126371.511 ± 0.059 $\chi^2/\text{NDF}: 506372064.2/10$

127855.088 ± 0.041 $\chi^2/\text{NDF}: 1680784784.2/29$

127848.503 ± 0.041 $\chi^2/\text{NDF}: 2323010365.5/29$

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 $\pm$ 0.043 χ^2 /NDF: 1064791.0/16

Left Out: 174.113 $\pm$ 0.040 χ^2 /NDF: 374561.5/12

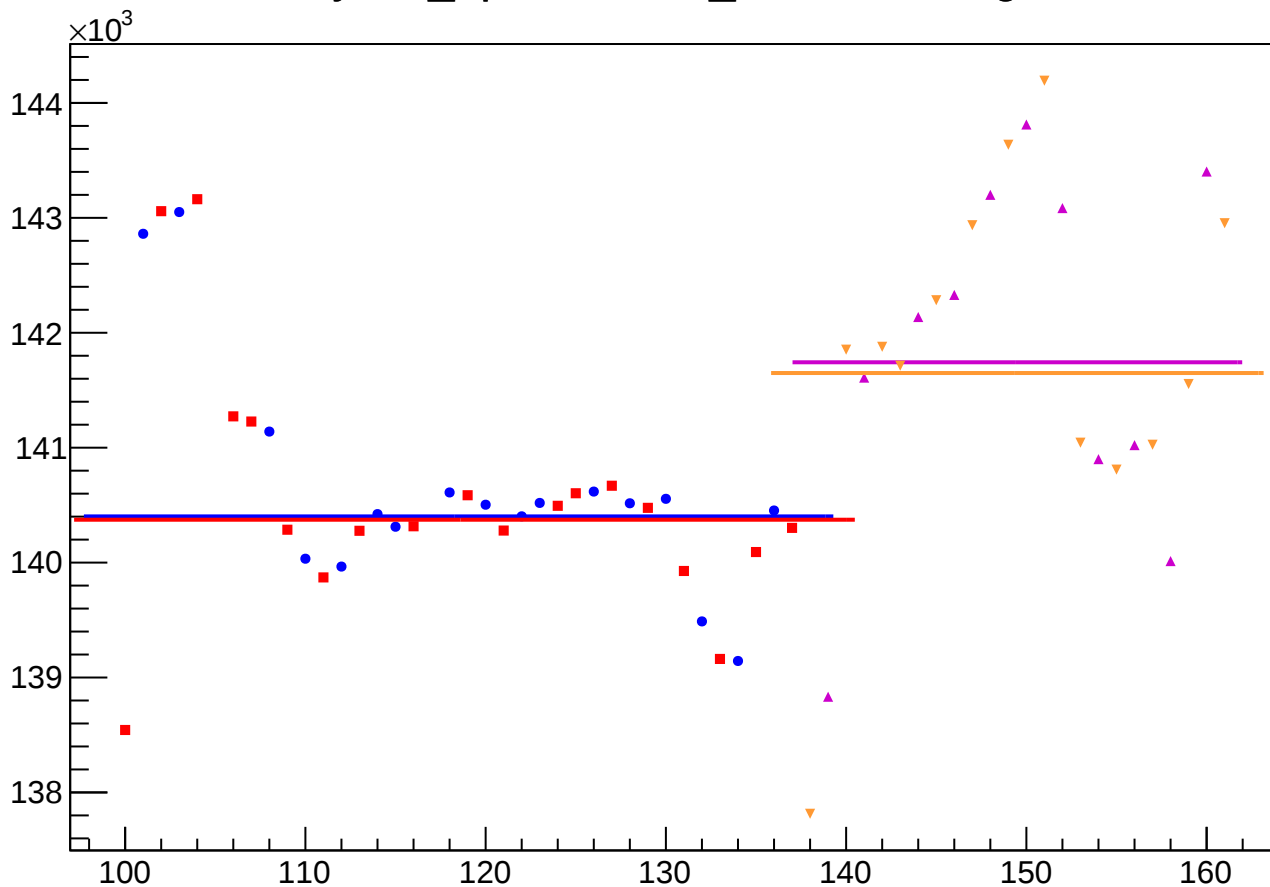
Right Out: 139.929 $\pm$ 0.040 χ^2 /NDF: 1203570.9/18

Left In: 173.435 $\pm$ 0.042 χ^2 /NDF: 271938.9/10

161.049 $\pm$ 0.029 χ^2 /NDF: 1662739.4/29

155.826 $\pm$ 0.029 χ^2 /NDF: 1814095.8/29

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 $\pm$ 0.064 χ^2 /NDF: 88071774.7/16

Left Out: 141649.713 $\pm$ 0.066 χ^2 /NDF: 583816440.8/12

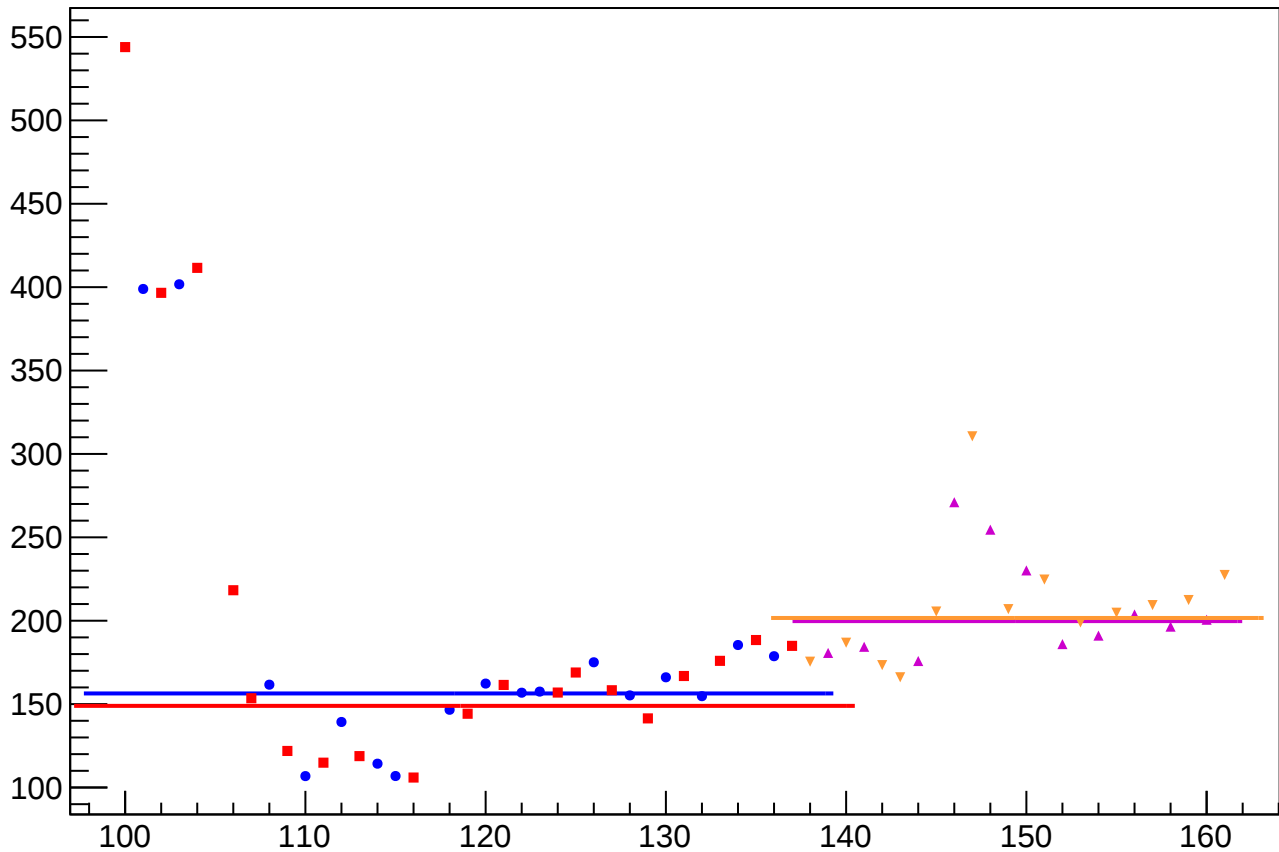
Right Out: 140373.163 $\pm$ 0.060 χ^2 /NDF: 99854533.3/18

Left In: 141743.141 $\pm$ 0.068 χ^2 /NDF: 462422764.2/10

141009.813 $\pm$ 0.046 χ^2 /NDF: 855038405.8/29

140970.222 $\pm$ 0.045 χ^2 /NDF: 790621231.1/29

yield_bpm0l07WS_rms vs Slug



Right In: 156.394+/-0.046 χ^2/NDF : 1154804.2/16

Left Out: 201.648+/-0.047 χ^2/NDF : 358033.4/12

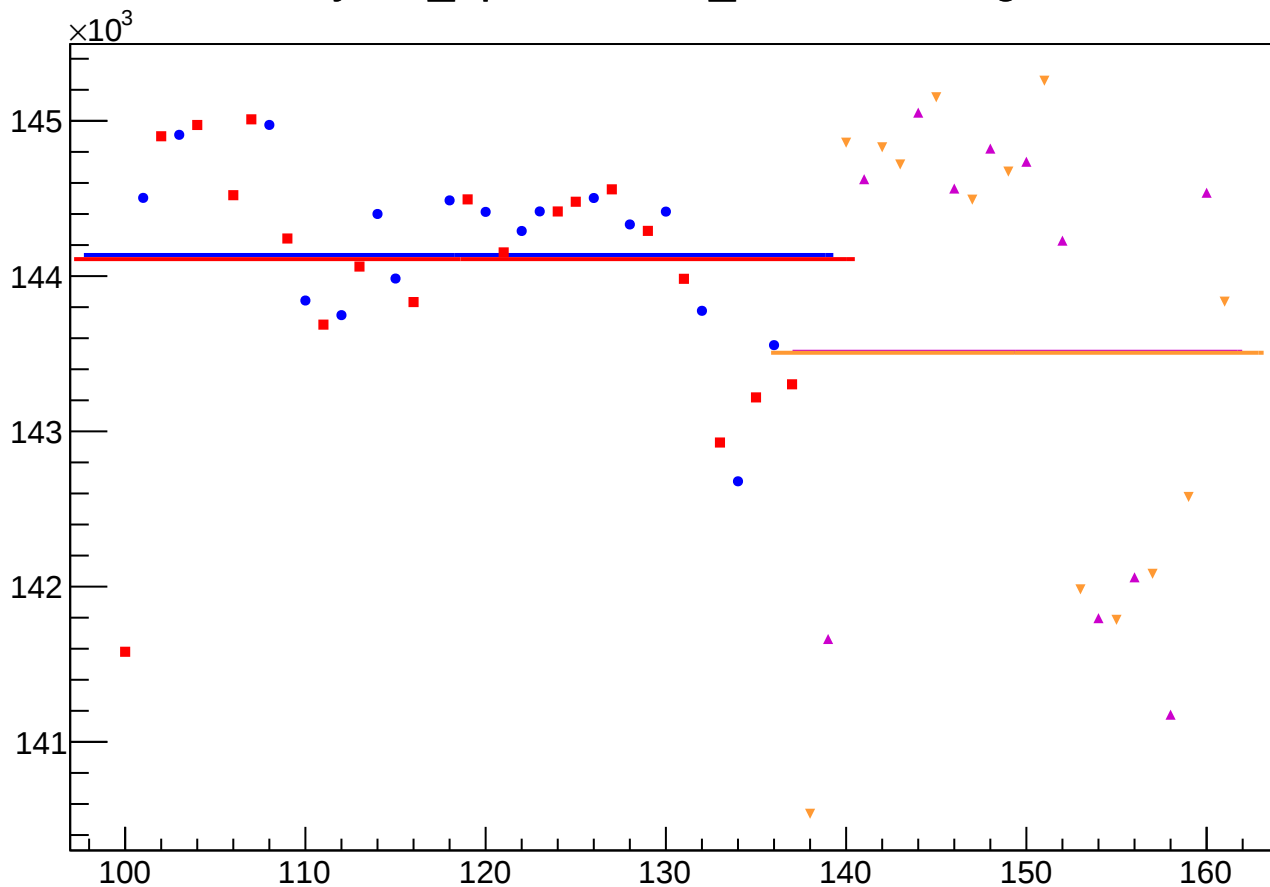
178.439+/-0.033 χ^2/NDF : 1994709.1/29

Right Out: 148.949+/-0.042 χ^2/NDF : 1307651.5/18

171.096+/-0.032 χ^2/NDF : 2217584.9/29

Left In: 199.765+/-0.048 χ^2/NDF : 281604.8/10

yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 $\pm$ 0.067 χ^2 /NDF: 47069480.3/16

Left Out: 143506.342 $\pm$ 0.065 χ^2 /NDF: 585370511.3/12

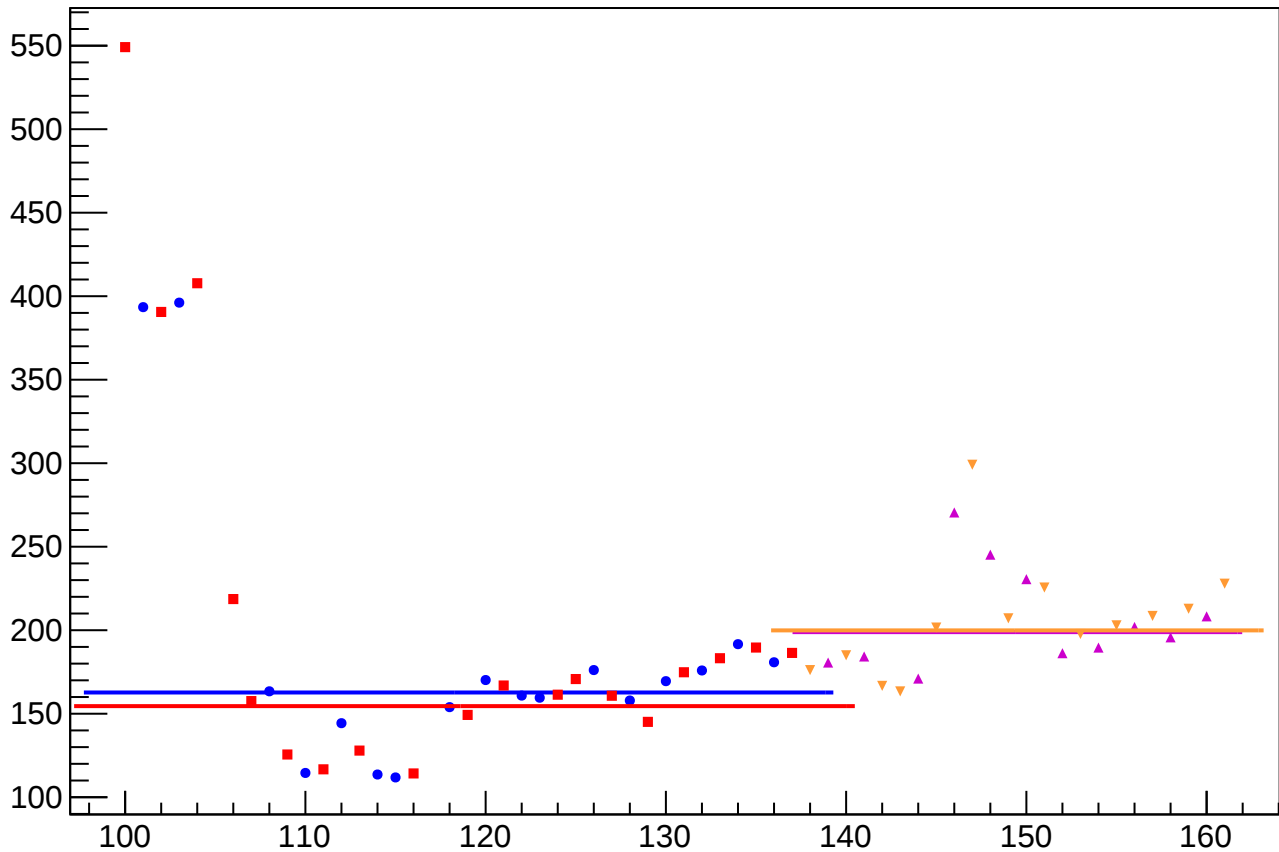
Right Out: 144109.419 $\pm$ 0.062 χ^2 /NDF: 65258627.2/18

Left In: 143512.792 $\pm$ 0.068 χ^2 /NDF: 480971458.7/10

143814.714 $\pm$ 0.047 χ^2 /NDF: 677842897.0/29

143838.408 $\pm$ 0.046 χ^2 /NDF: 588473082.0/29

yield_bpm0l08WS_rms vs Slug



Right In: 162.714+/-0.047 χ^2/NDF : 1066482.0/16

181.692+/-0.033 χ^2/NDF : 1742203.2/29

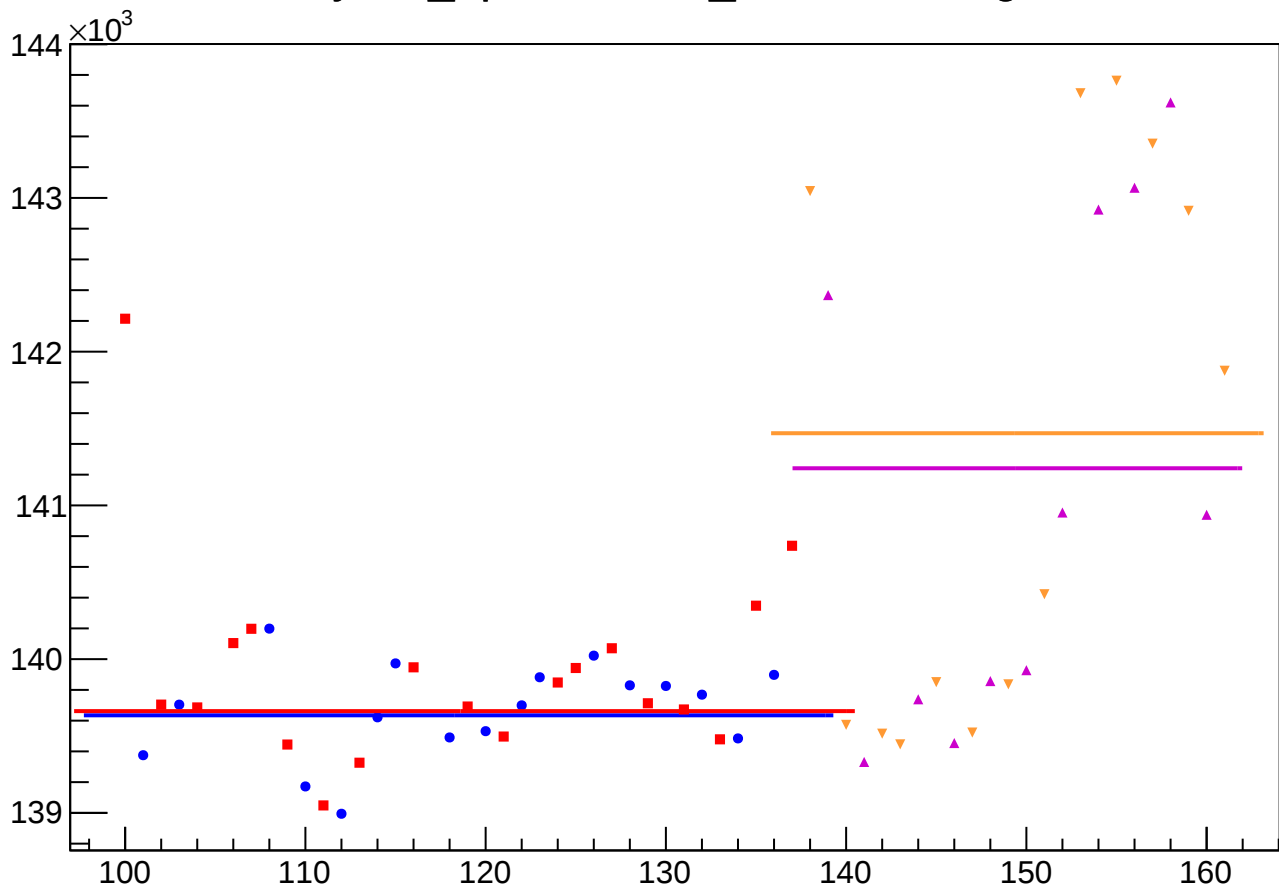
Left Out: 199.900+/-0.046 χ^2/NDF : 359134.8/12

Right Out: 154.547+/-0.044 χ^2/NDF : 1217495.9/18

174.674+/-0.032 χ^2/NDF : 1965026.3/29

Left In: 198.856+/-0.048 χ^2/NDF : 281554.8/10

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700 ± 0.068 χ^2/NDF : 24844912.0/16

Left Out: 141469.507 ± 0.069 χ^2/NDF : 646682243.9/12

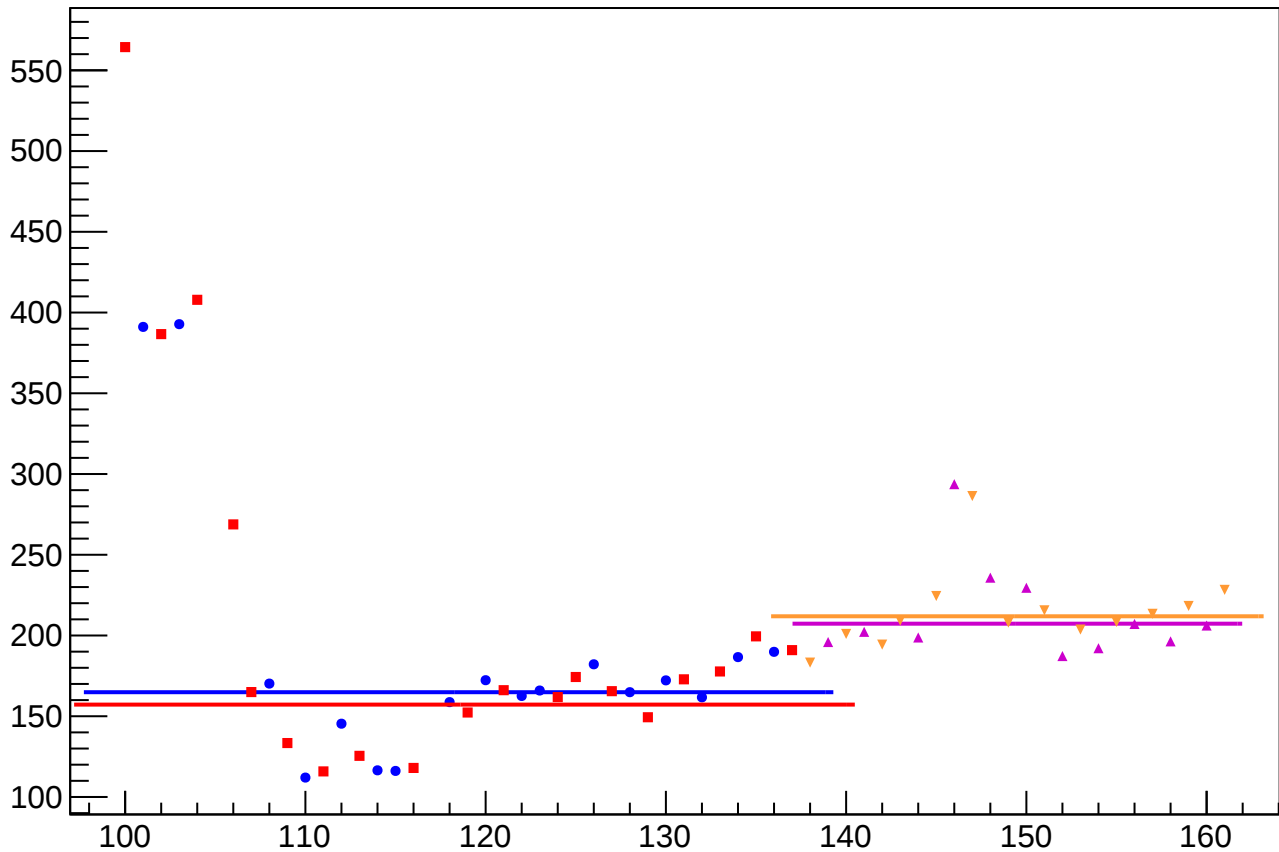
Right Out: 139661.970 ± 0.063 χ^2/NDF : 38372985.0/18

Left In: 141241.588 ± 0.071 χ^2/NDF : 472694208.8/10

140537.428 ± 0.048 χ^2/NDF : 1032099627.1/29

140362.784 ± 0.047 χ^2/NDF : 789661528.1/29

yield_bpm0l09WS_rms vs Slug



Right In: 164.884+/-0.048 χ^2/NDF : 1066270.8/16

Left Out: 211.901+/-0.049 χ^2/NDF : 169911.5/12

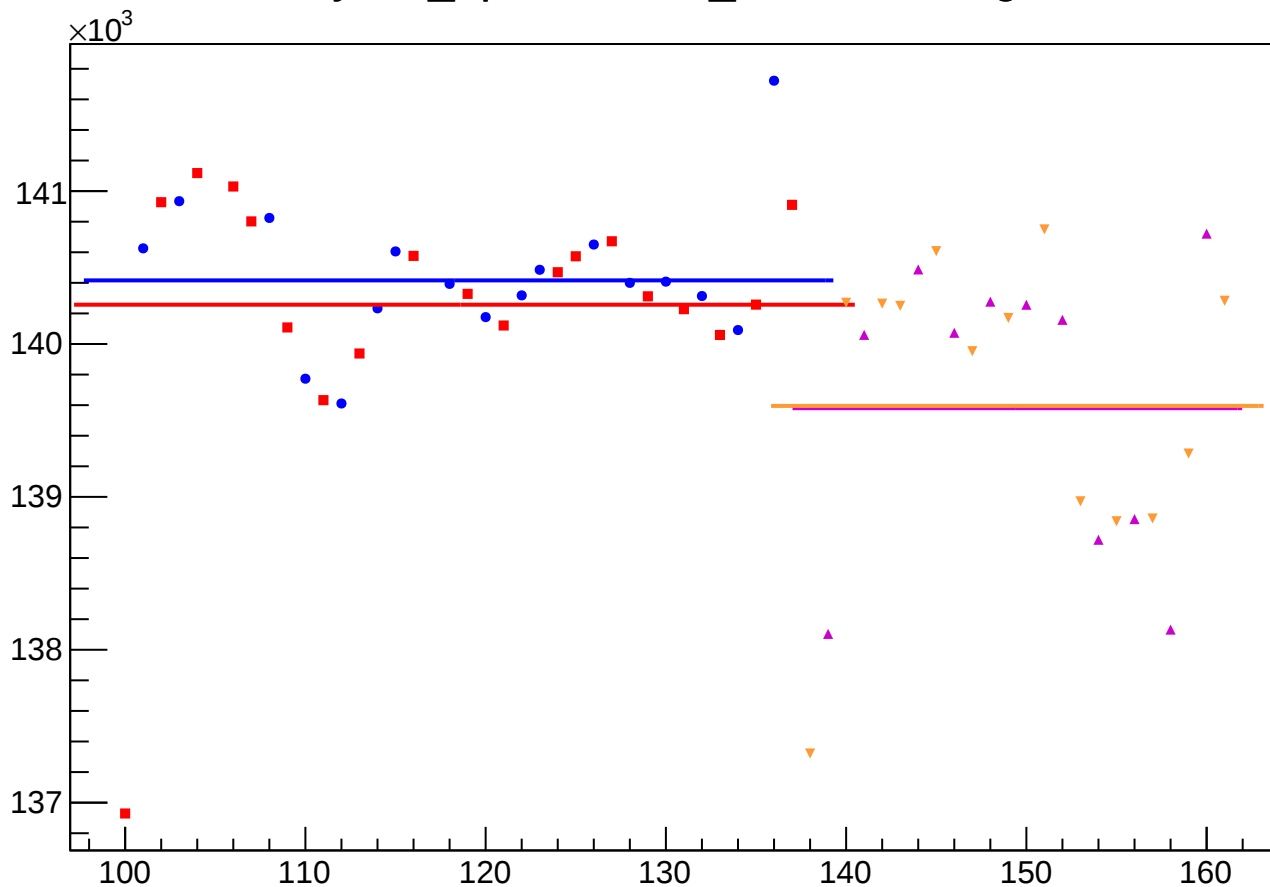
188.016+/-0.034 χ^2/NDF : 1709702.2/29

Right Out: 157.207+/-0.045 χ^2/NDF : 1245030.9/18

179.439+/-0.033 χ^2/NDF : 2021600.0/29

Left In: 207.317+/-0.050 χ^2/NDF : 215856.5/10

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 ± 0.068 $\chi^2/\text{NDF}: 69975821.3/16$

Left Out: 139595.084 ± 0.064 $\chi^2/\text{NDF}: 242196938.6/12$

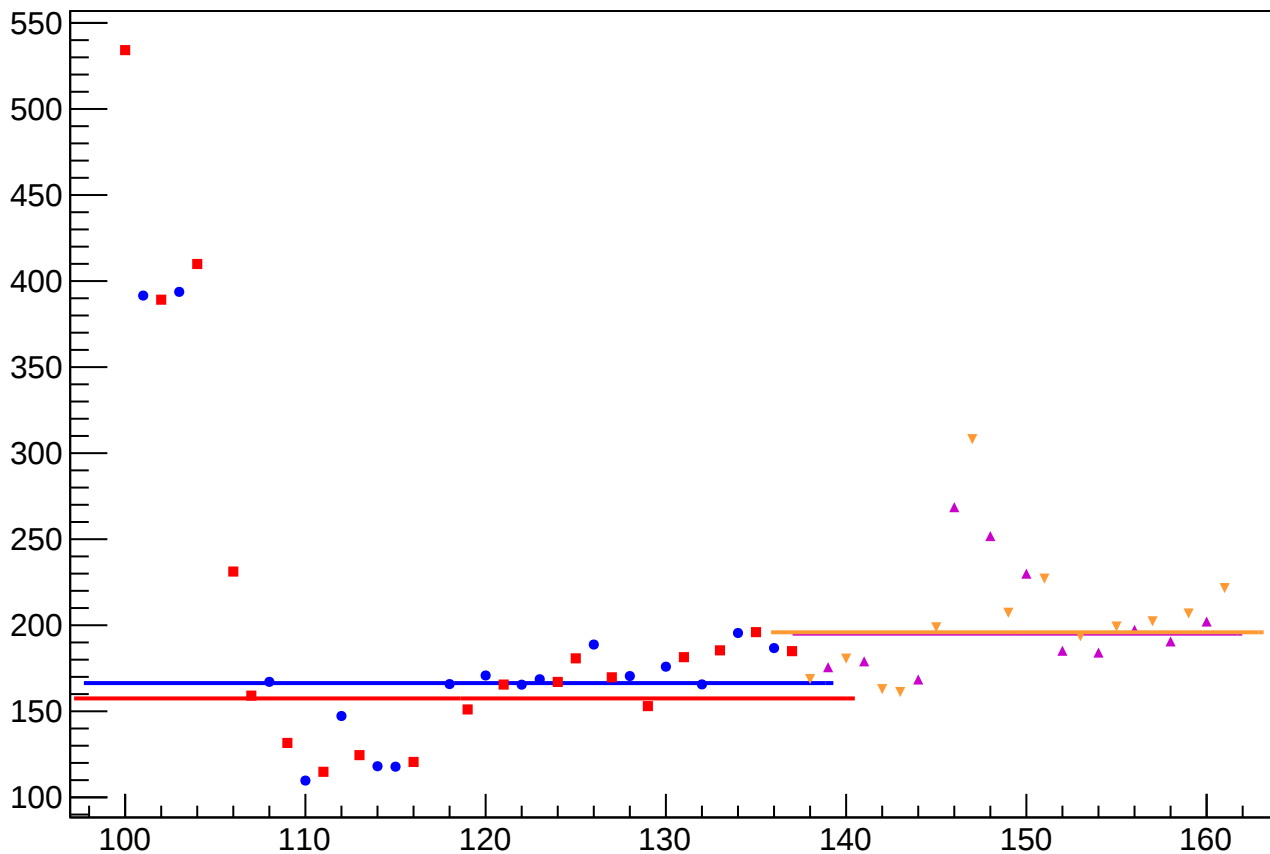
Right Out: 140256.992 ± 0.063 $\chi^2/\text{NDF}: 38063371.4/18$

Left In: 139579.948 ± 0.067 $\chi^2/\text{NDF}: 202517256.7/10$

139979.075 ± 0.047 $\chi^2/\text{NDF}: 388867753.7/29$

139936.252 ± 0.046 $\chi^2/\text{NDF}: 295045031.0/29$

yield_bpm0l10WS_rms vs Slug



Right In: 166.388+/-0.048 χ^2/NDF : 1080964.8/16

Left Out: 195.915+/-0.045 χ^2/NDF : 410386.6/12

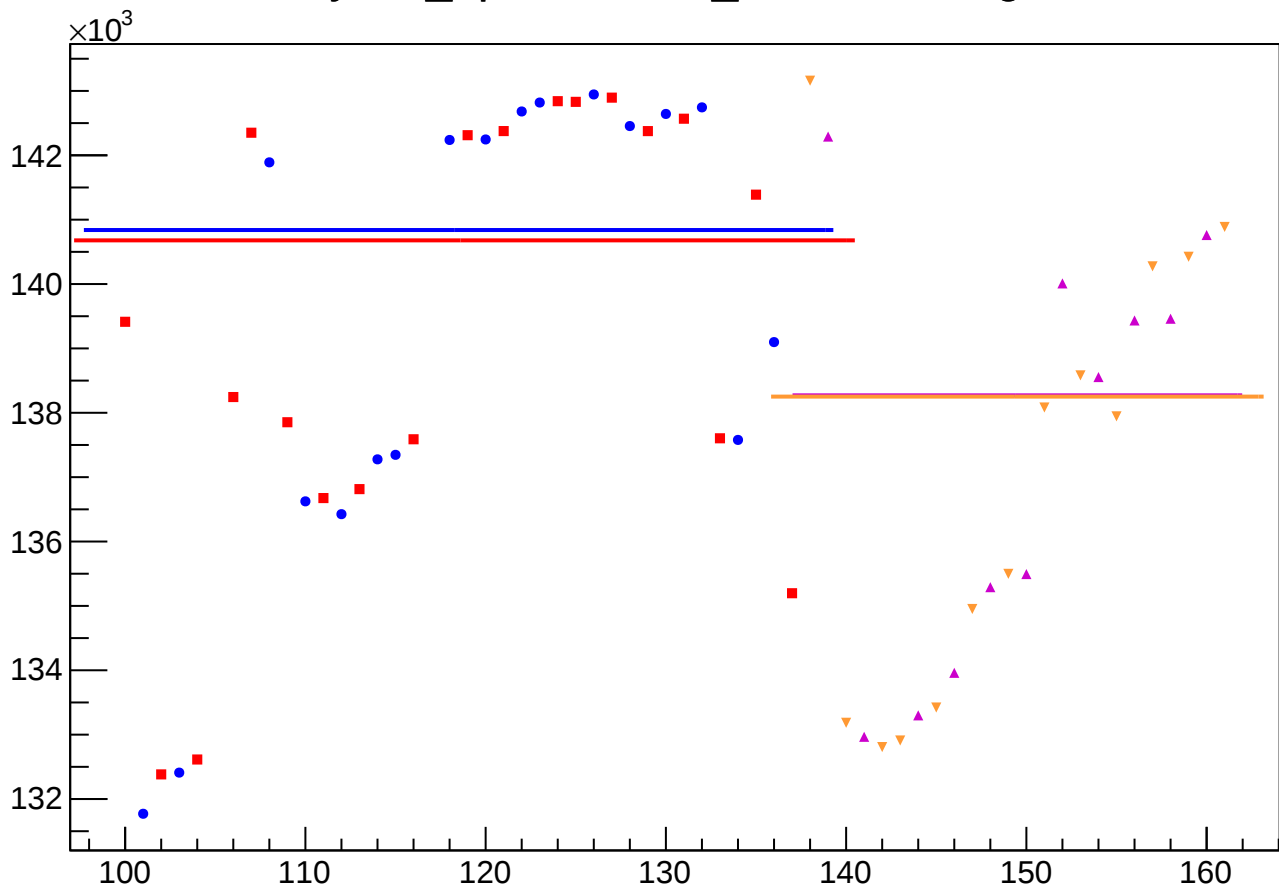
Right Out: 157.475+/-0.045 χ^2/NDF : 1229886.8/18

Left In: 195.118+/-0.047 χ^2/NDF : 321184.0/10

182.105+/-0.033 χ^2/NDF : 1689772.5/29

175.308+/-0.032 χ^2/NDF : 1887794.2/29

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 $\pm$ 0.100 χ^2 /NDF: 822682996.3/16

Left Out: 138251.398 $\pm$ 0.096 χ^2 /NDF: 1370132296.1/12

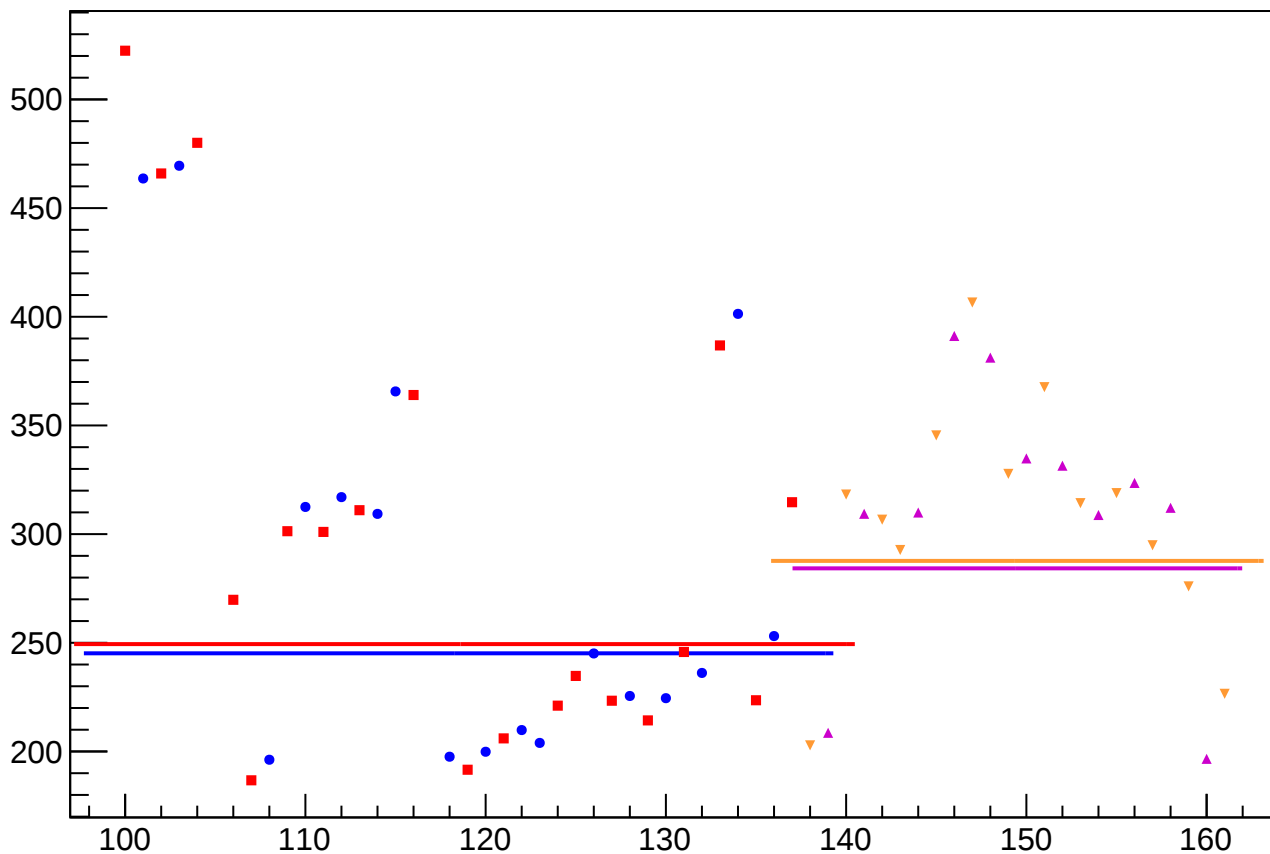
Right Out: 140678.513 $\pm$ 0.099 χ^2 /NDF: 840695274.4/18

Left In: 138271.175 $\pm$ 0.099 χ^2 /NDF: 1058324388.5/10

139486.232 $\pm$ 0.069 χ^2 /NDF: 2542828312.7/29

139474.865 $\pm$ 0.070 χ^2 /NDF: 2194062346.9/29

yield_bpm0r03WS_rms vs Slug



Right In: 245.159 ± 0.071 χ^2/NDF : 869491.6/16

Left Out: 287.682 ± 0.068 χ^2/NDF : 677716.1/12

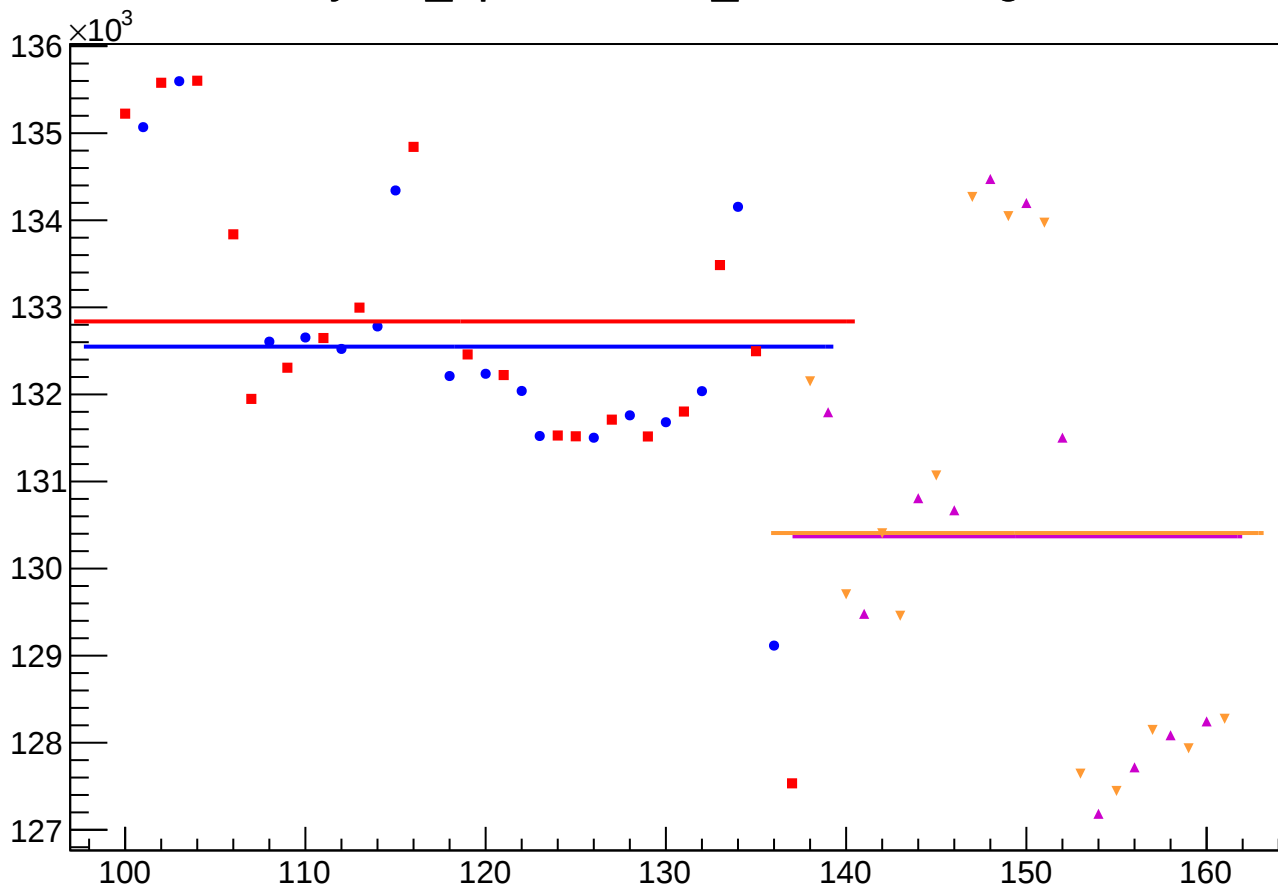
Right Out: 249.397 ± 0.070 χ^2/NDF : 1009731.2/18

Left In: 284.248 ± 0.070 χ^2/NDF : 835091.8/10

267.391 ± 0.049 χ^2/NDF : 1736236.0/29

266.822 ± 0.050 χ^2/NDF : 1968495.6/29

yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 $\pm$ 0.119 χ^2 /NDF: 161115079.9/16

Left Out: 130408.183 $\pm$ 0.082 χ^2 /NDF: 594243715.4/12

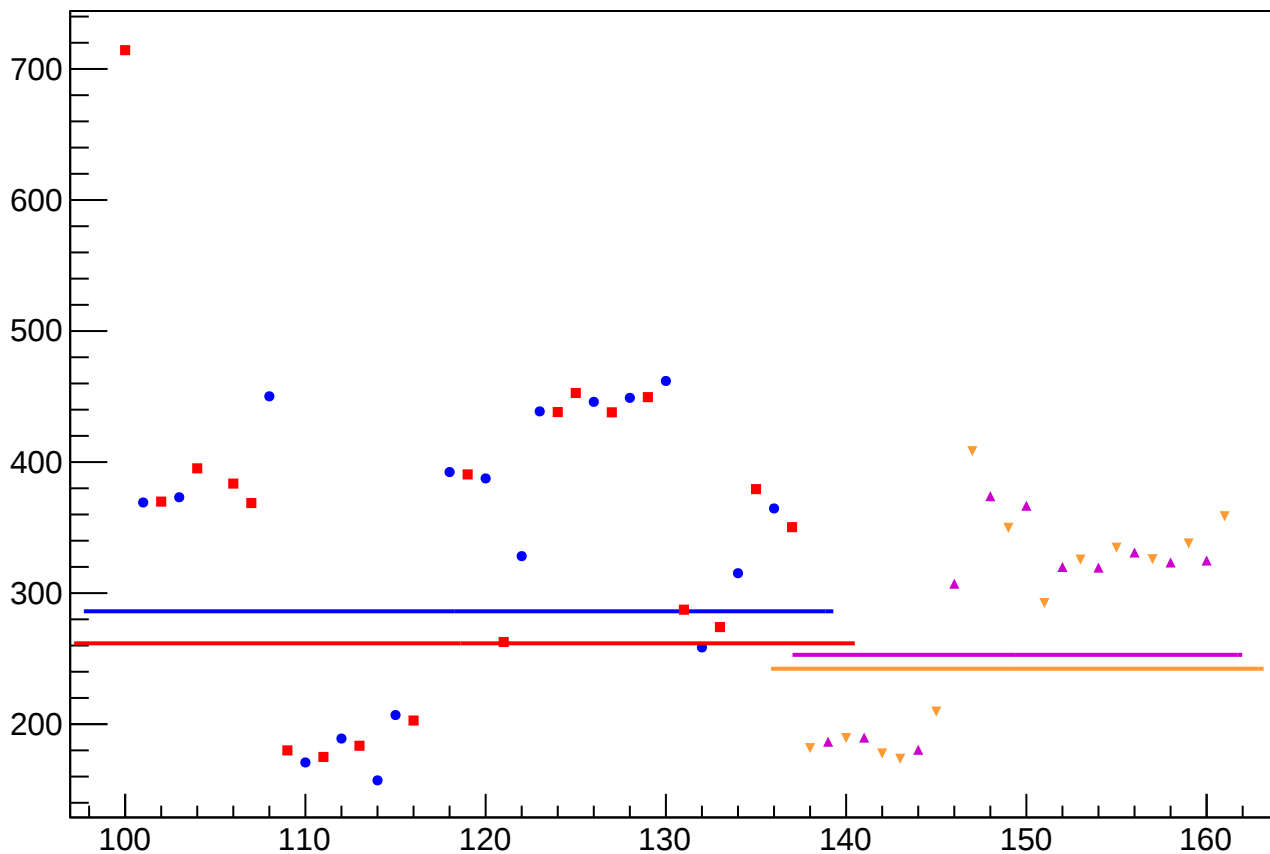
Right Out: 132838.294 $\pm$ 0.107 χ^2 /NDF: 149611447.6/18

Left In: 130370.198 $\pm$ 0.089 χ^2 /NDF: 469315688.5/10

131100.138 $\pm$ 0.068 χ^2 /NDF: 973004699.7/29

131381.977 $\pm$ 0.069 χ^2 /NDF: 932282166.0/29

yield_bpm0r05WS_rms vs Slug



Right In: 286.122 ± 0.084 $\chi^2/\text{NDF}: 1525266.4/16$

Left Out: 242.288 ± 0.058 $\chi^2/\text{NDF}: 1683192.6/12$

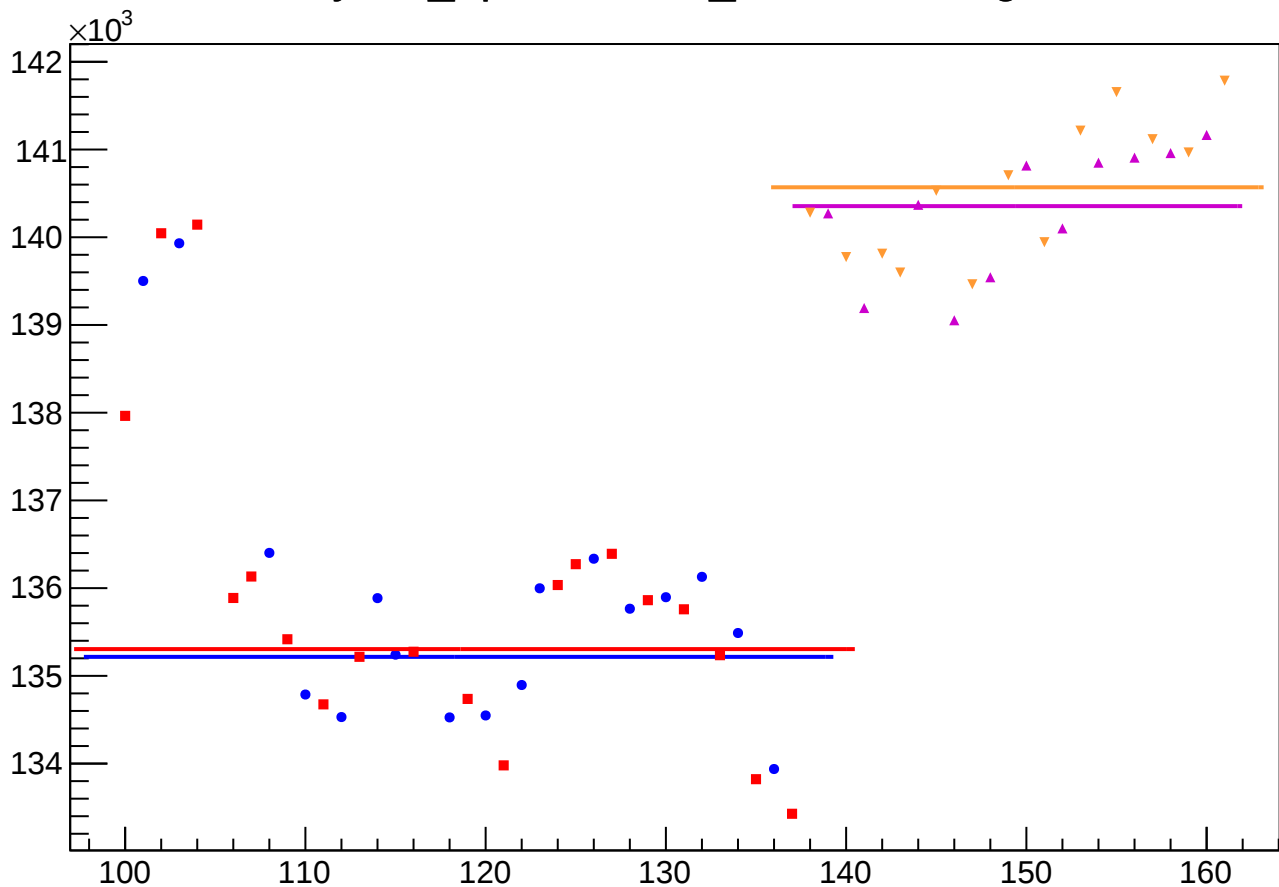
Right Out: 261.686 ± 0.076 $\chi^2/\text{NDF}: 1623174.1/18$

Left In: 252.903 ± 0.063 $\chi^2/\text{NDF}: 1379665.9/10$

256.457 ± 0.048 $\chi^2/\text{NDF}: 3390973.7/29$

256.504 ± 0.048 $\chi^2/\text{NDF}: 3010776.8/29$

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 ± 0.054 χ^2/NDF : 371347707.3/16

Left Out: 140569.511 ± 0.060 χ^2/NDF : 151618371.3/12

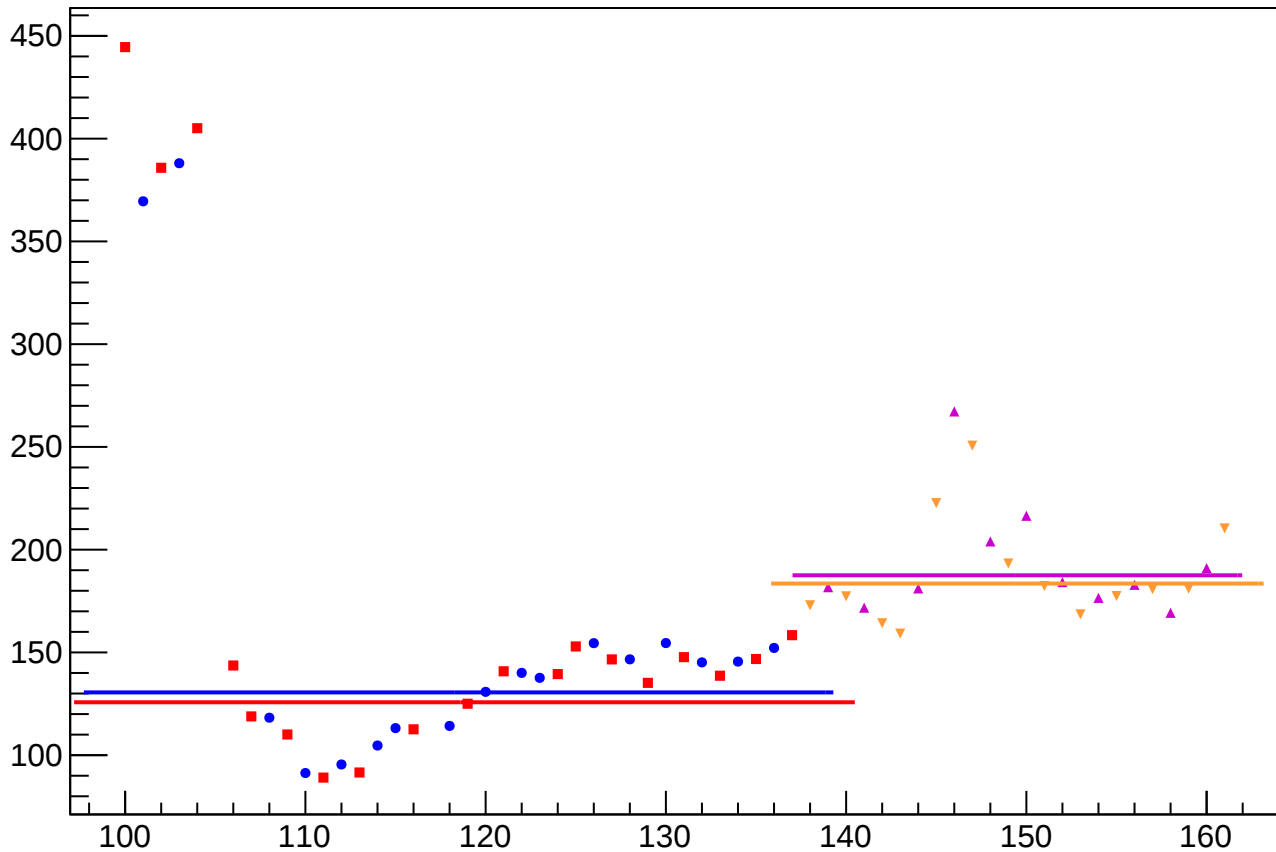
Right Out: 135305.135 ± 0.051 χ^2/NDF : 357636841.6/18

Left In: 140354.812 ± 0.064 χ^2/NDF : 111867190.0/10

137632.047 ± 0.040 χ^2/NDF : 4899144174.9/29

137275.178 ± 0.040 χ^2/NDF : 4273087730.1/29

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 ± 0.038 χ^2/NDF : 1373104.9/16

Left Out: 183.513 ± 0.042 χ^2/NDF : 245297.6/12

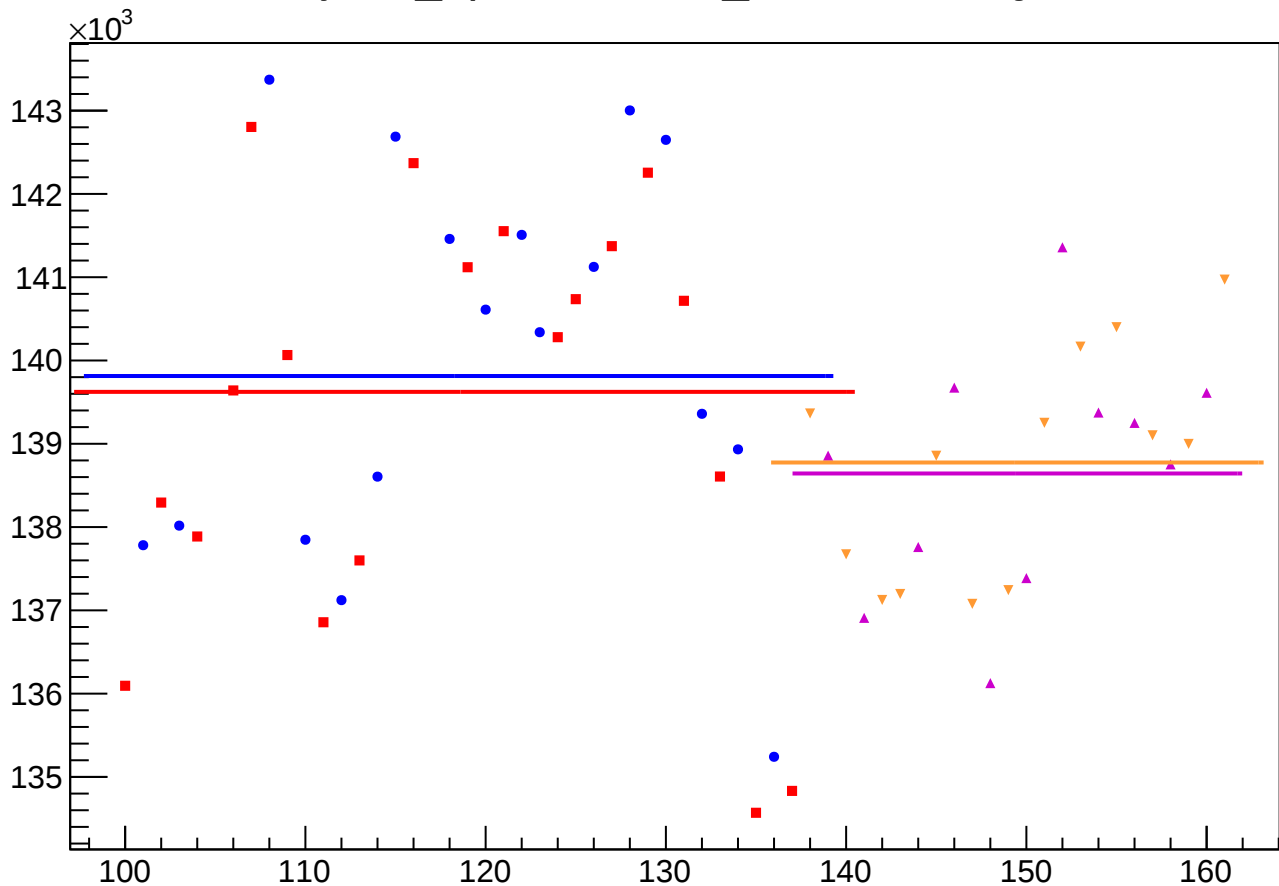
Right Out: 125.746 ± 0.036 χ^2/NDF : 1440002.5/18

Left In: 187.541 ± 0.045 χ^2/NDF : 216962.1/10

154.450 ± 0.028 χ^2/NDF : 2475169.2/29

149.854 ± 0.028 χ^2/NDF : 2796196.6/29

yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 $\pm$ 0.062 χ^2 /NDF: 1689865533.6/16

Left Out: 138775.294 $\pm$ 0.062 χ^2 /NDF: 418366498.4/12

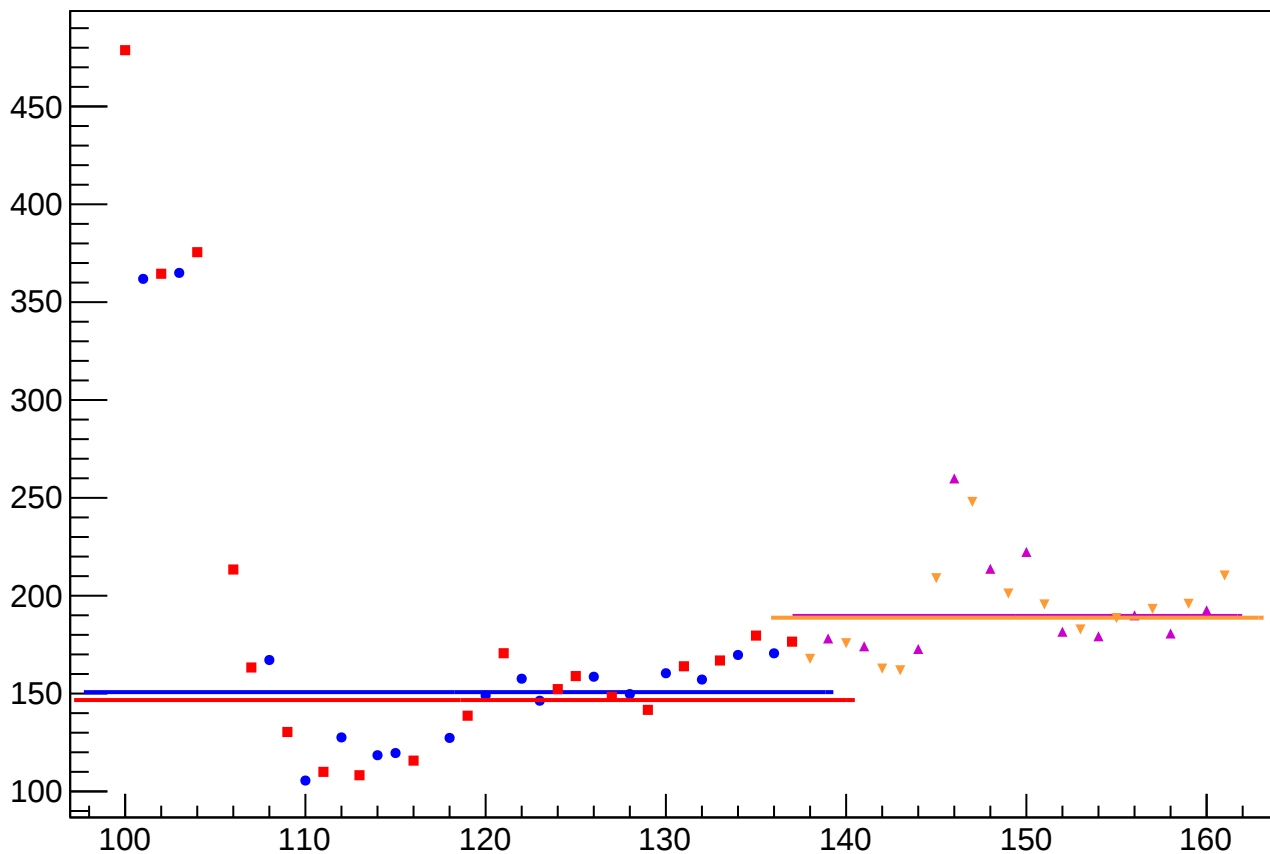
Right Out: 139623.387 $\pm$ 0.059 χ^2 /NDF: 1505731109.1/18

Left In: 138643.408 $\pm$ 0.065 χ^2 /NDF: 470122417.1/10

139293.167 $\pm$ 0.044 χ^2 /NDF: 2249185299.9/29

139178.522 $\pm$ 0.044 χ^2 /NDF: 2101010369.3/29

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733+/-0.044 χ^2/NDF : 1050071.6/16

Left Out: 188.766+/-0.044 χ^2/NDF : 217256.4/12

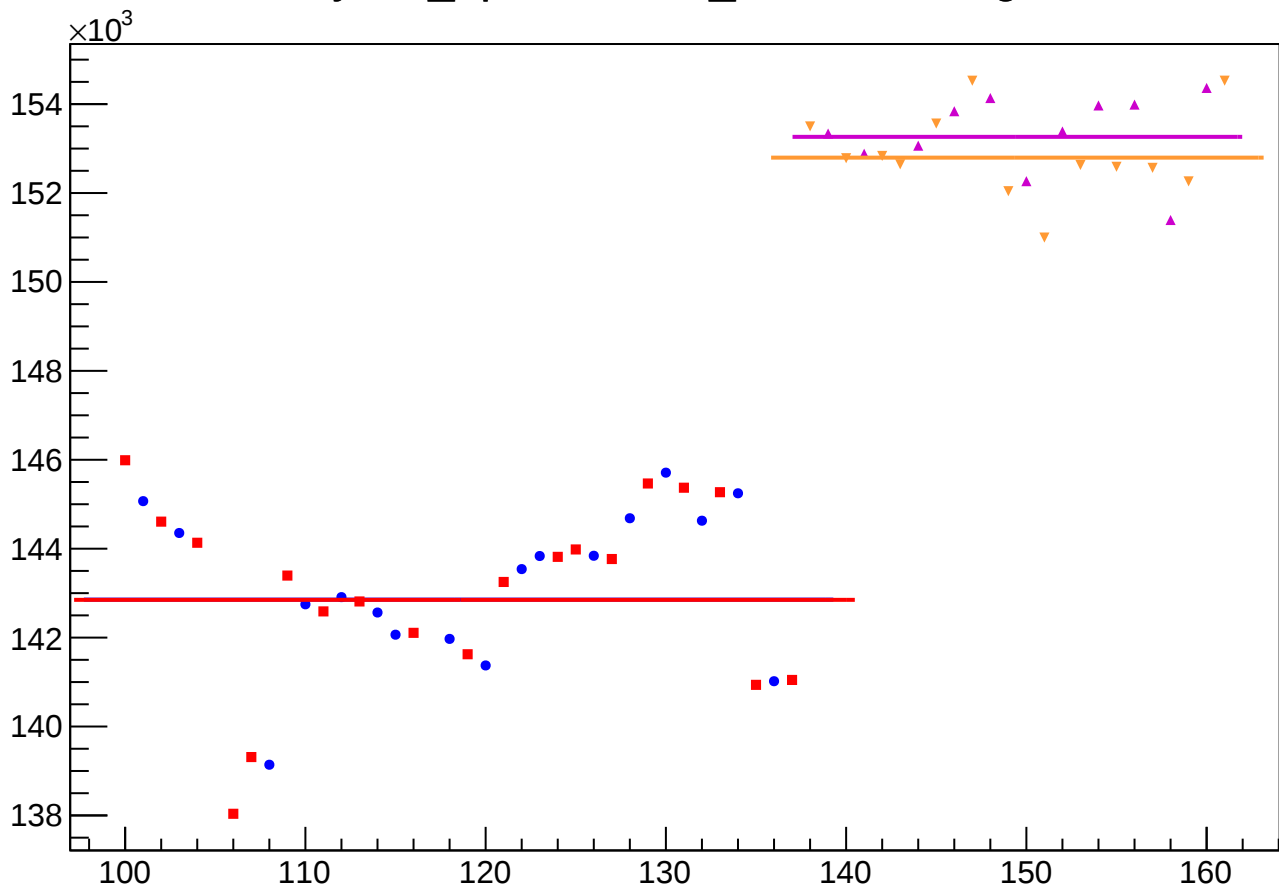
Right Out: 146.686+/-0.042 χ^2/NDF : 1203106.6/18

Left In: 189.653+/-0.046 χ^2/NDF : 215587.8/10

169.798+/-0.031 χ^2/NDF : 1645533.9/29

166.191+/-0.031 χ^2/NDF : 1899899.0/29

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065 χ^2 /NDF: 740367386.5/16

Left Out: 152796.254 $\pm$ 0.062 χ^2 /NDF: 195241989.1/12

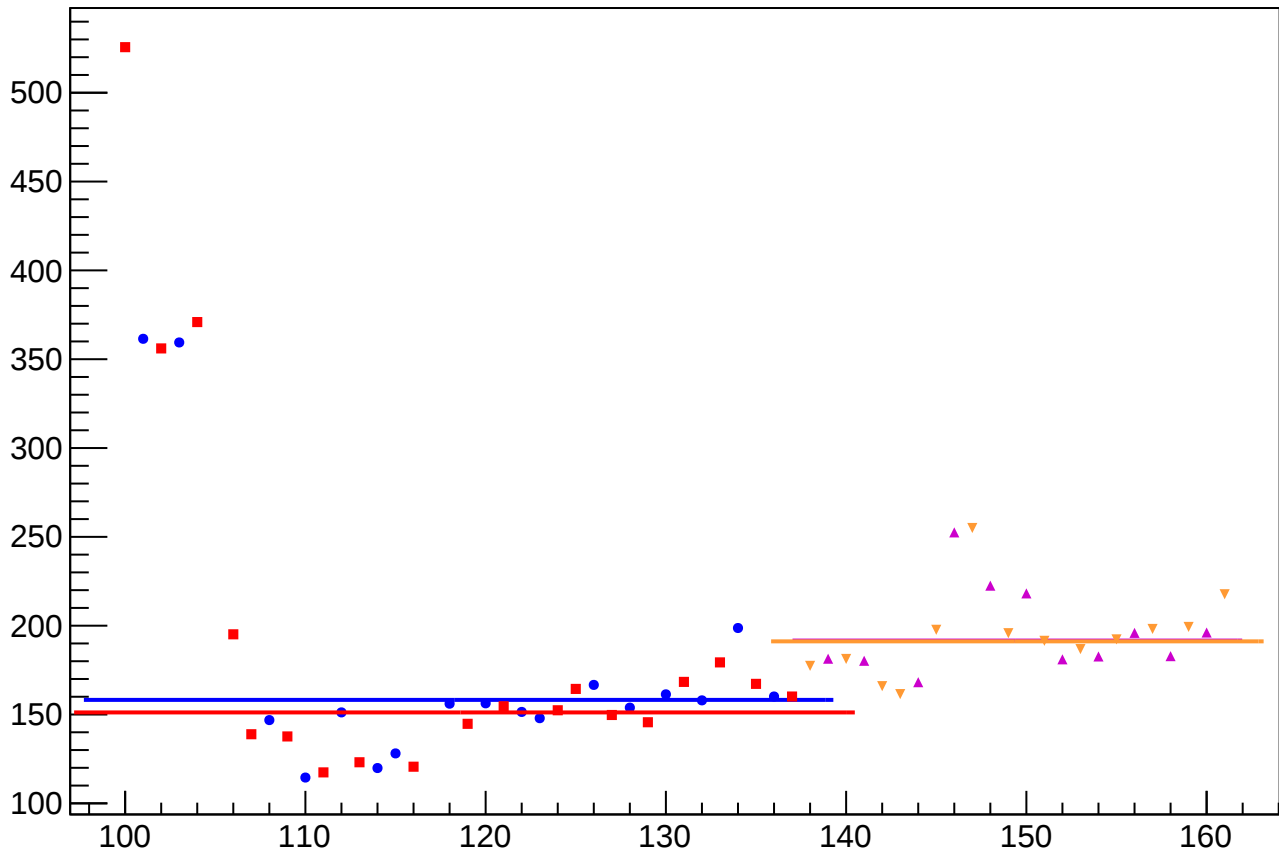
Right Out: 142849.362 $\pm$ 0.060 χ^2 /NDF: 850066807.5/18

Left In: 153263.748 $\pm$ 0.065 χ^2 /NDF: 171475002.2/10

148000.931 $\pm$ 0.045 χ^2 /NDF: 13173150526.8/2

147654.330 $\pm$ 0.044 χ^2 /NDF: 14740082262.7/2

yield_bpm0i05WS_rms vs Slug



Right In: 158.233+/-0.046 χ^2/NDF : 883513.4/16

Left Out: 191.181+/-0.044 χ^2/NDF : 204041.1/12

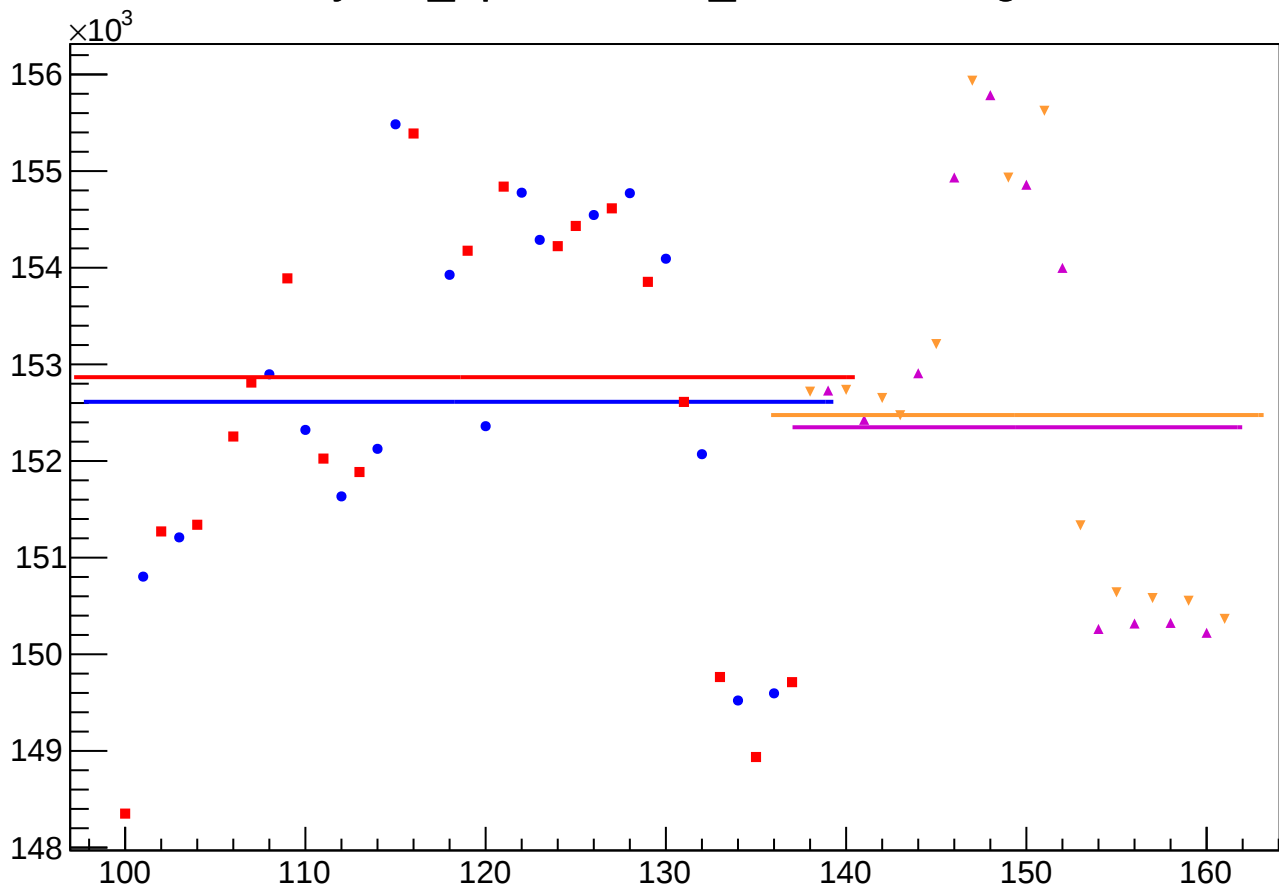
175.289+/-0.032 χ^2/NDF : 1356372.5/29

Right Out: 151.174+/-0.043 χ^2/NDF : 1003301.6/18

169.835+/-0.031 χ^2/NDF : 1621803.7/29

Left In: 191.620+/-0.046 χ^2/NDF : 204672.3/10

yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 ± 0.072 $\chi^2/\text{NDF}: 621416187.4/16$

Left Out: 152475.537 ± 0.063 $\chi^2/\text{NDF}: 779150577.4/12$

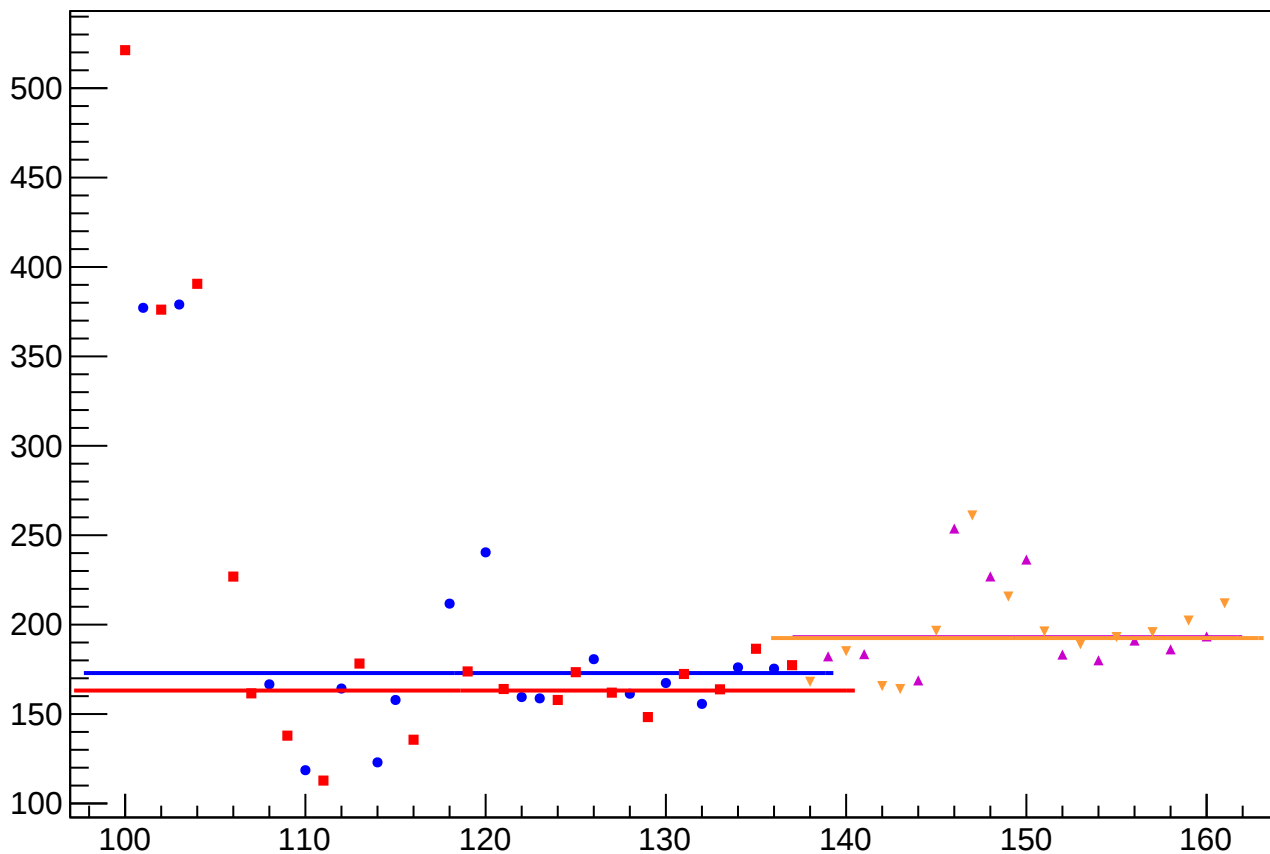
Right Out: 152867.453 ± 0.066 $\chi^2/\text{NDF}: 719075986.4/18$

Left In: 152349.244 ± 0.066 $\chi^2/\text{NDF}: 824023171.7/10$

152534.378 ± 0.047 $\chi^2/\text{NDF}: 1402624833.6/29$

152605.878 ± 0.047 $\chi^2/\text{NDF}: 1574014333.8/29$

yield_bpm0i07WS_rms vs Slug



Right In: 172.921+/-0.051 χ^2/NDF : 941954.0/16

Left Out: 192.481+/-0.044 χ^2/NDF : 238607.0/12

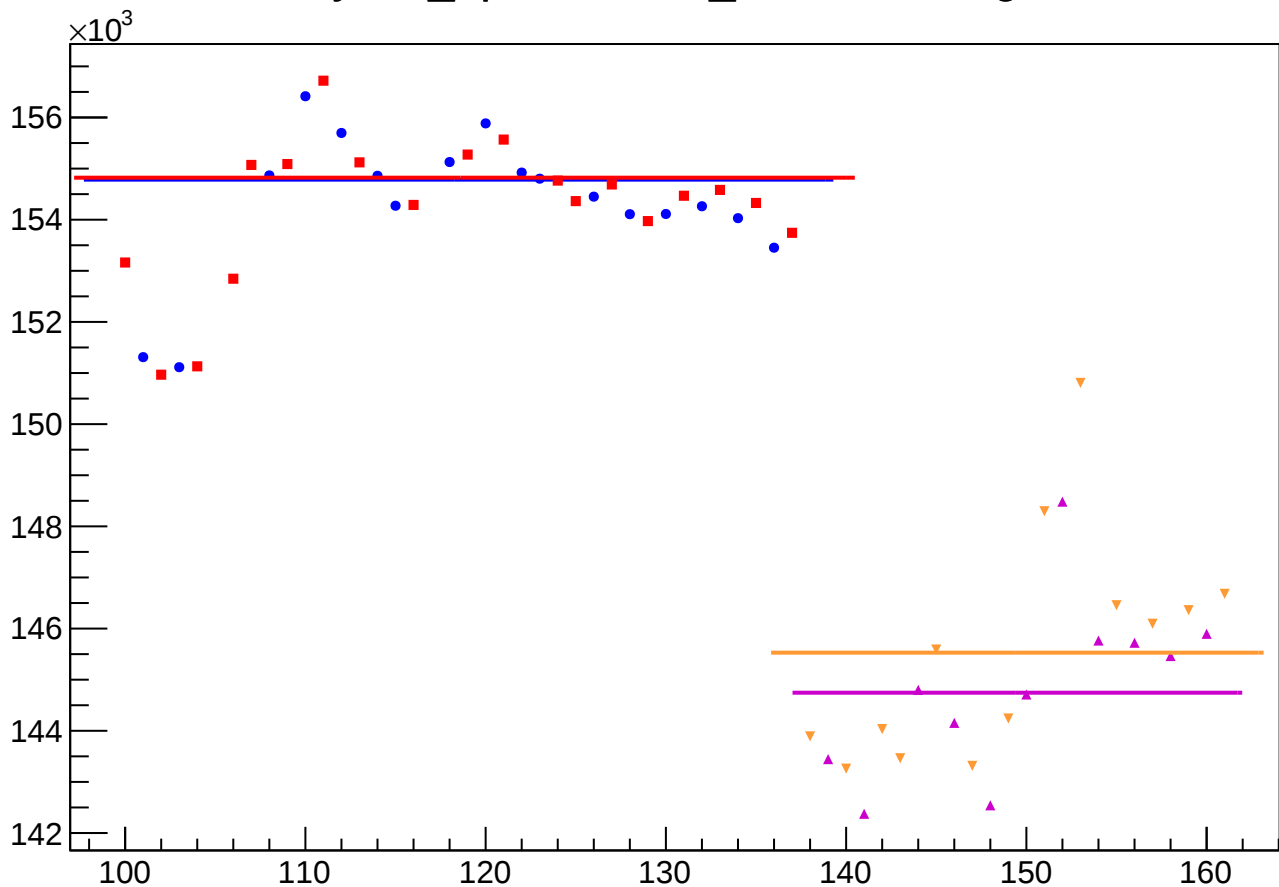
Right Out: 163.138+/-0.047 χ^2/NDF : 1033751.2/18

Left In: 192.982+/-0.046 χ^2/NDF : 242146.1/10

184.083+/-0.033 χ^2/NDF : 1264406.1/29

178.202+/-0.033 χ^2/NDF : 1480968.2/29

yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 $\pm$ 0.065 χ^2 /NDF: 265581398.0/16

Left Out: 145528.616 $\pm$ 0.058 χ^2 /NDF: 1479657826.7/12

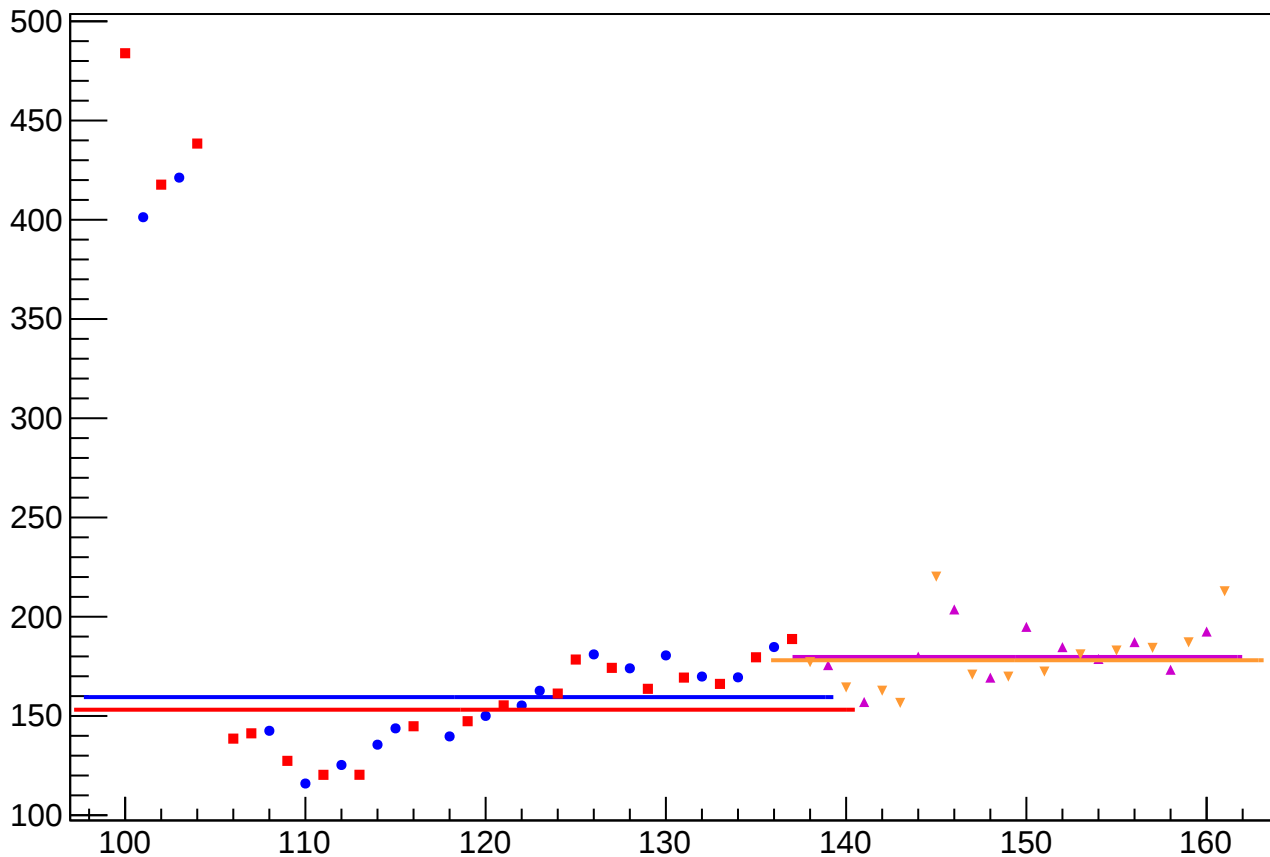
Right Out: 154822.113 $\pm$ 0.061 χ^2 /NDF: 293850525.9/18

Left In: 144745.341 $\pm$ 0.061 χ^2 /NDF: 795400435.3/10

149577.750 $\pm$ 0.043 χ^2 /NDF: 13021948992.5/2

149762.416 $\pm$ 0.043 χ^2 /NDF: 14841872074.8/2

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 ± 0.046 χ^2/NDF : 1131844.5/16

Left Out: 178.072 ± 0.041 χ^2/NDF : 156348.7/12

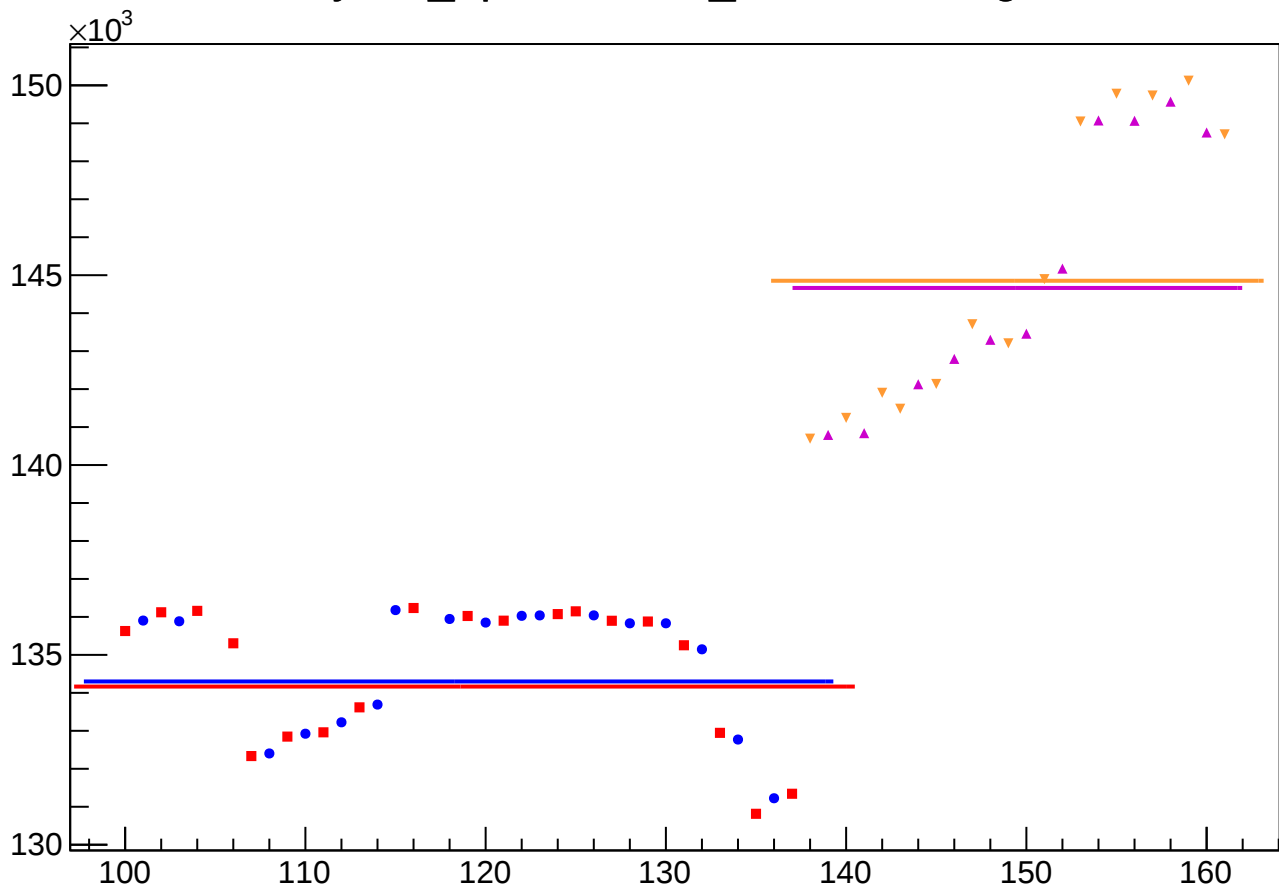
Right Out: 153.153 ± 0.043 χ^2/NDF : 1173739.7/18

Left In: 179.728 ± 0.043 χ^2/NDF : 86825.7/10

169.948 ± 0.031 χ^2/NDF : 1378968.7/29

166.497 ± 0.030 χ^2/NDF : 1451865.5/29

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 $\pm$ 0.050 χ^2 /NDF: 1149581803.2/16

Left Out: 144853.378 $\pm$ 0.058 χ^2 /NDF: 3750643367.1/12

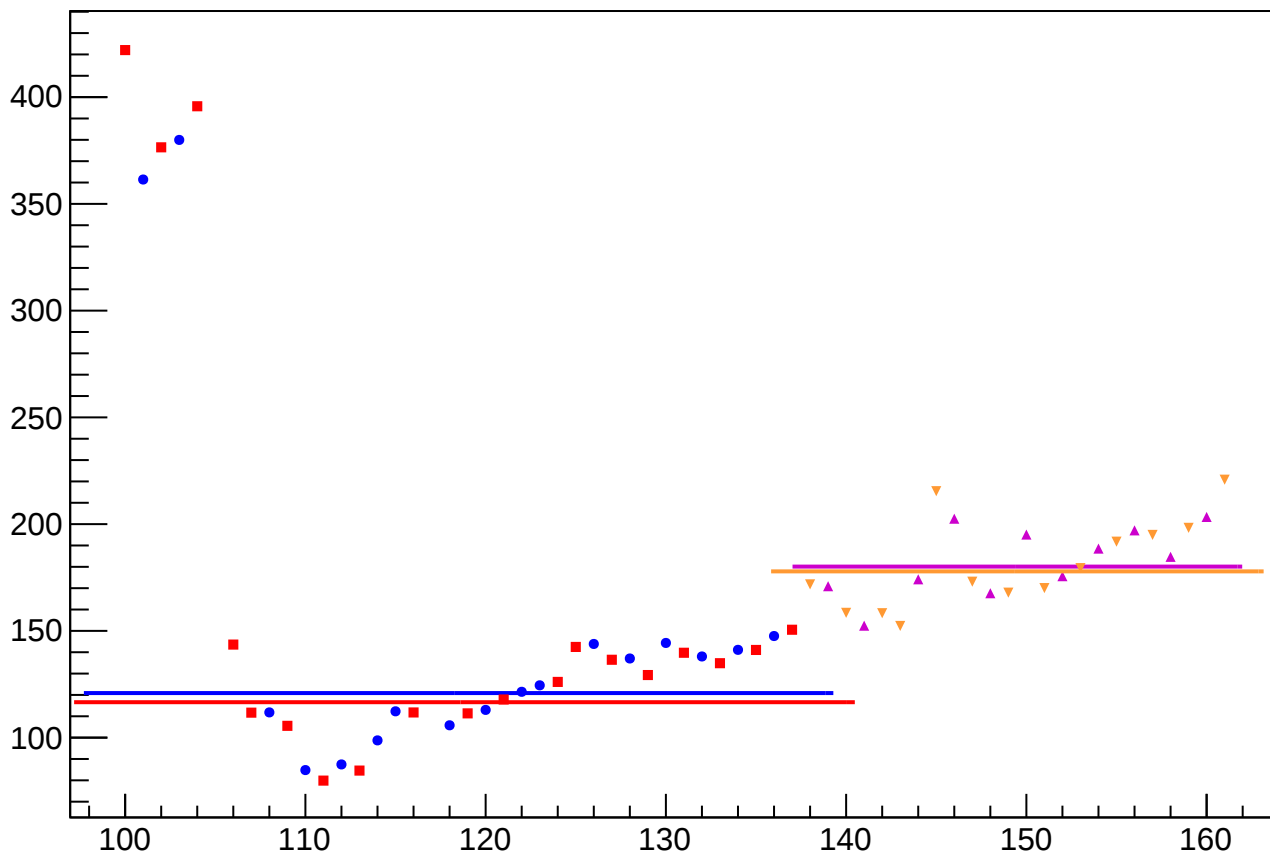
Right Out: 134165.615 $\pm$ 0.047 χ^2 /NDF: 1211471052.4/18

Left In: 144663.820 $\pm$ 0.061 χ^2 /NDF: 2945998100.0/10

138859.163 $\pm$ 0.038 χ^2 /NDF: 23885152595.3/2

138124.370 $\pm$ 0.037 χ^2 /NDF: 22660379982.0/2

yield_bpm1i04WS_rms vs Slug



Right In: 120.872 $\pm$ 0.036 χ^2 /NDF: 1463728.4/16

Left Out: 177.871 $\pm$ 0.041 χ^2 /NDF: 228439.1/12

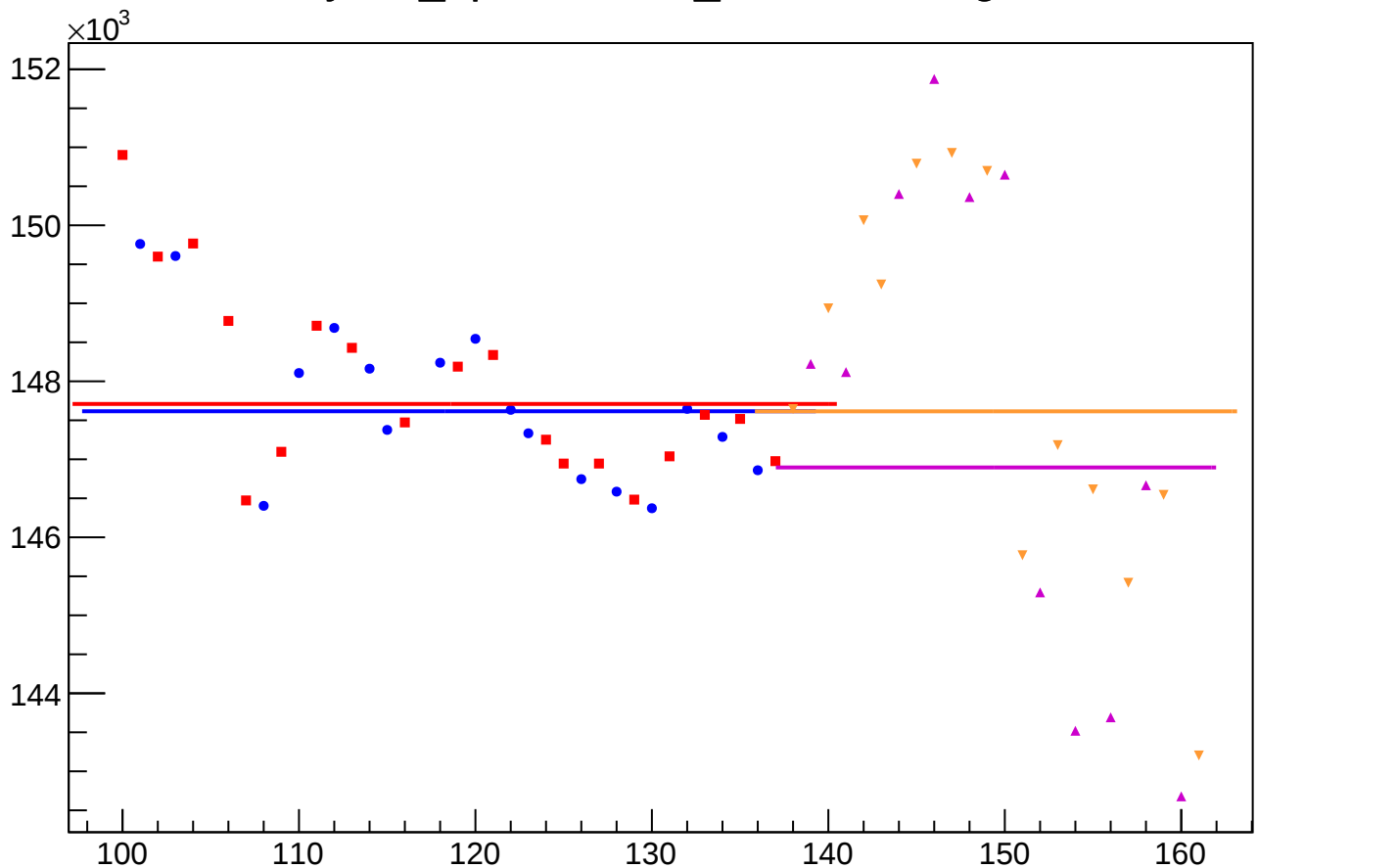
Right Out: 116.595 $\pm$ 0.034 χ^2 /NDF: 1541338.5/18

Left In: 180.110 $\pm$ 0.043 χ^2 /NDF: 136582.1/10

145.496 $\pm$ 0.027 χ^2 /NDF: 2799788.0/29

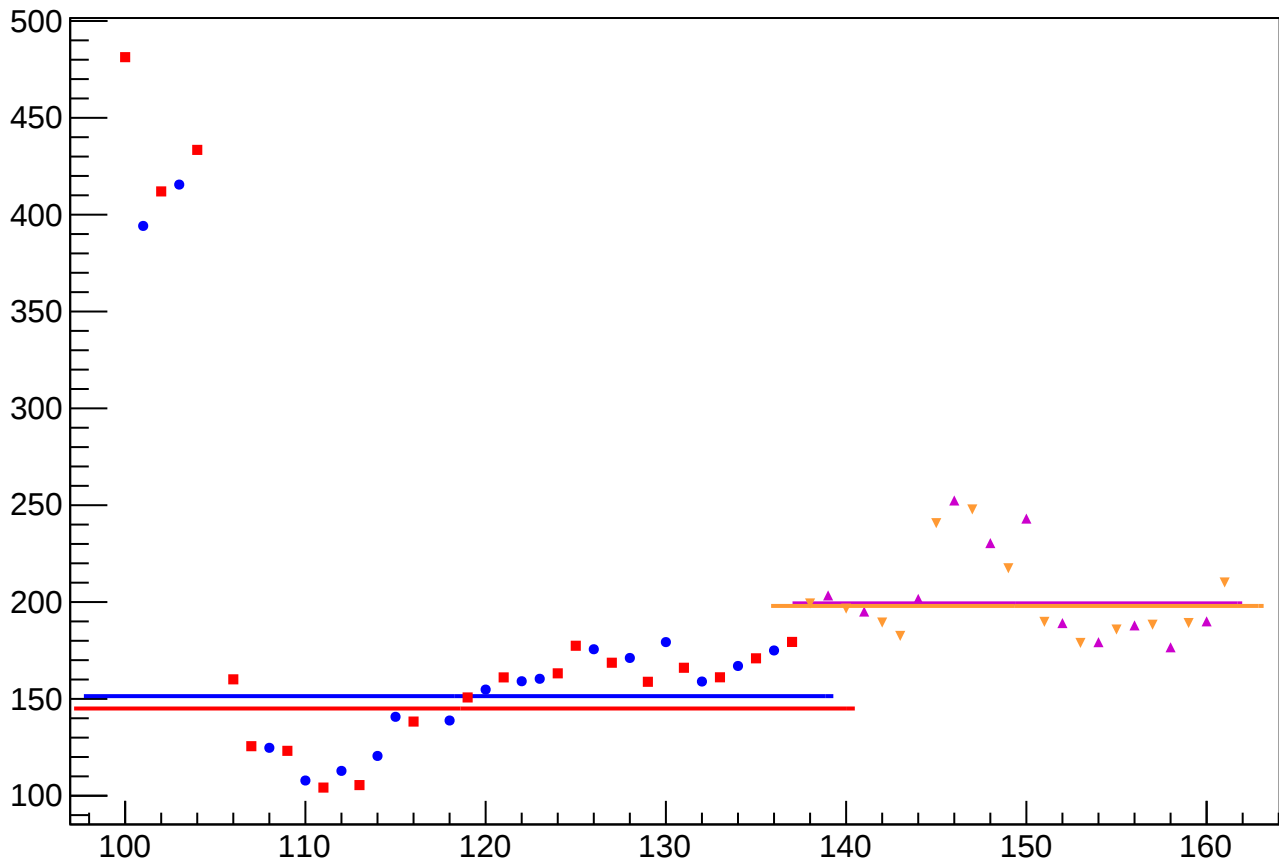
140.545 $\pm$ 0.026 χ^2 /NDF: 3032470.7/29

yield_bpm1i06WS_mean vs Slug



Right In: 147616.150 ± 0.062 χ^2/NDF : 199263428.7/16
 Left Out: 147615.119 ± 0.064 χ^2/NDF : 1167357270.2/12
 Right Out: 147709.723 ± 0.058 χ^2/NDF : 203906685.9/18
 Left In: 146895.463 ± 0.068 χ^2/NDF : 1975037976.9/10

yield_bpm1i06WS_rms vs Slug



Right In: 151.424 $\pm$ 0.044 χ^2 /NDF: 1257843.0/16

Left Out: 197.997 $\pm$ 0.045 χ^2 /NDF:175405.7/12

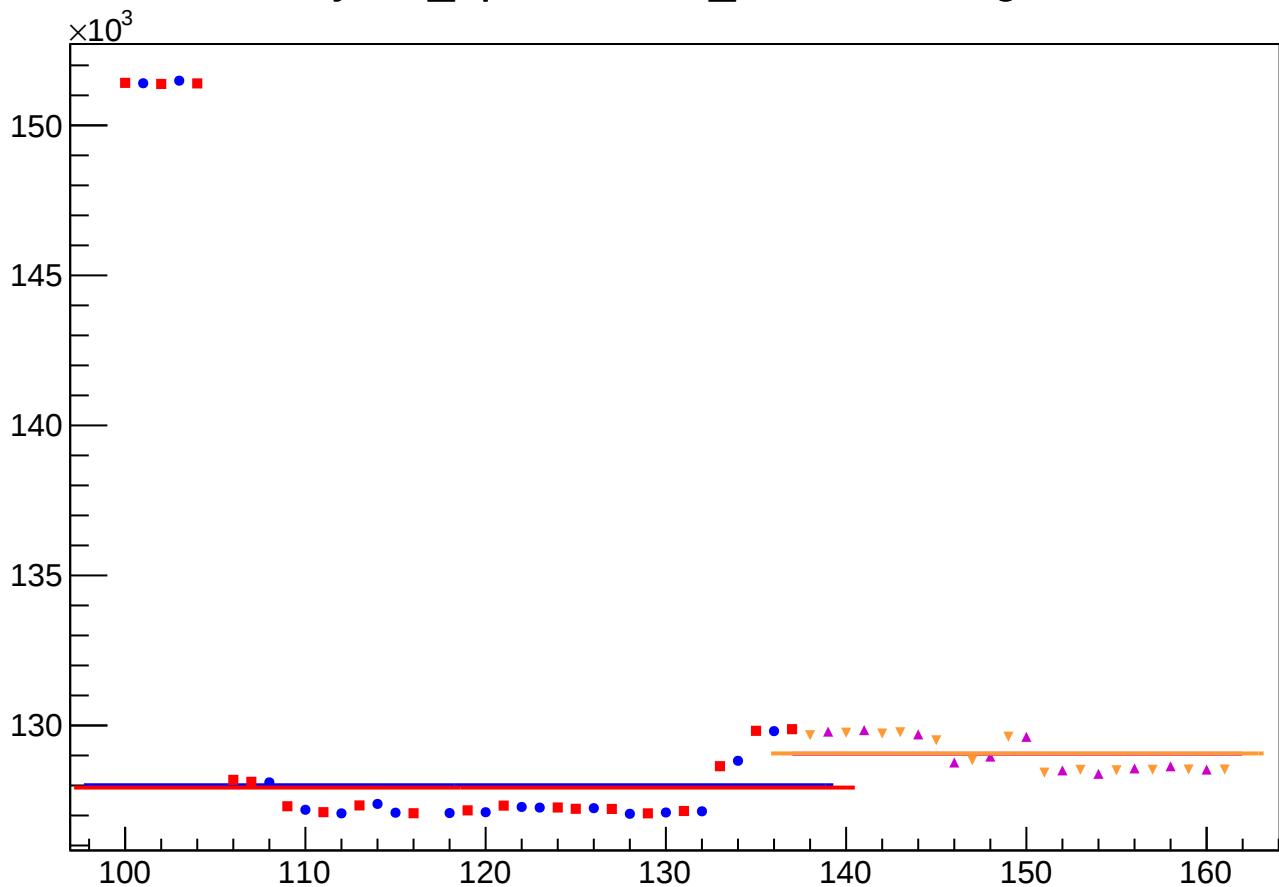
Right Out: 145.039 $\pm$ 0.041 χ^2 /NDF: 1375972.0/18

Left In: 199.322 $\pm$ 0.048 χ^2 /NDF:218091.2/10

174.077 $\pm$ 0.032 χ^2 /NDF: 1973693.1/29

168.228 $\pm$ 0.031 χ^2 /NDF: 2334075.3/29

yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 ± 0.054 χ^2/NDF : 4319785674.5/16

Left Out: 129067.515 ± 0.056 χ^2/NDF : 103157137.7/12

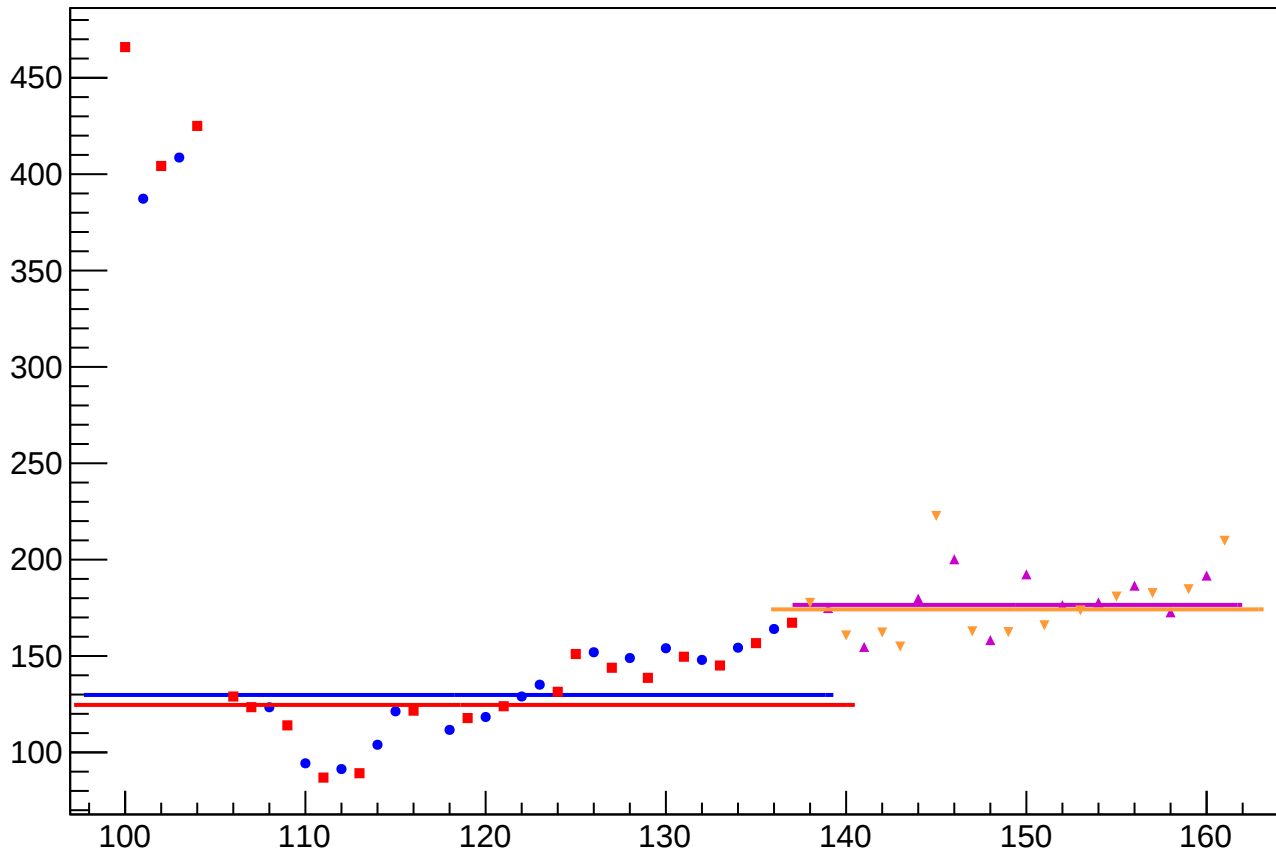
Right Out: 127930.136 ± 0.050 χ^2/NDF : 3768176193.0/18

Left In: 129056.210 ± 0.060 χ^2/NDF : 89839220.1/10

128515.844 ± 0.039 χ^2/NDF : 4606963698.6/29

128399.478 ± 0.038 χ^2/NDF : 4066233542.9/29

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 $\pm$ 0.038 χ^2 /NDF: 1485294.2/16

Left Out: 174.196 $\pm$ 0.040 χ^2 /NDF:185152.1/12

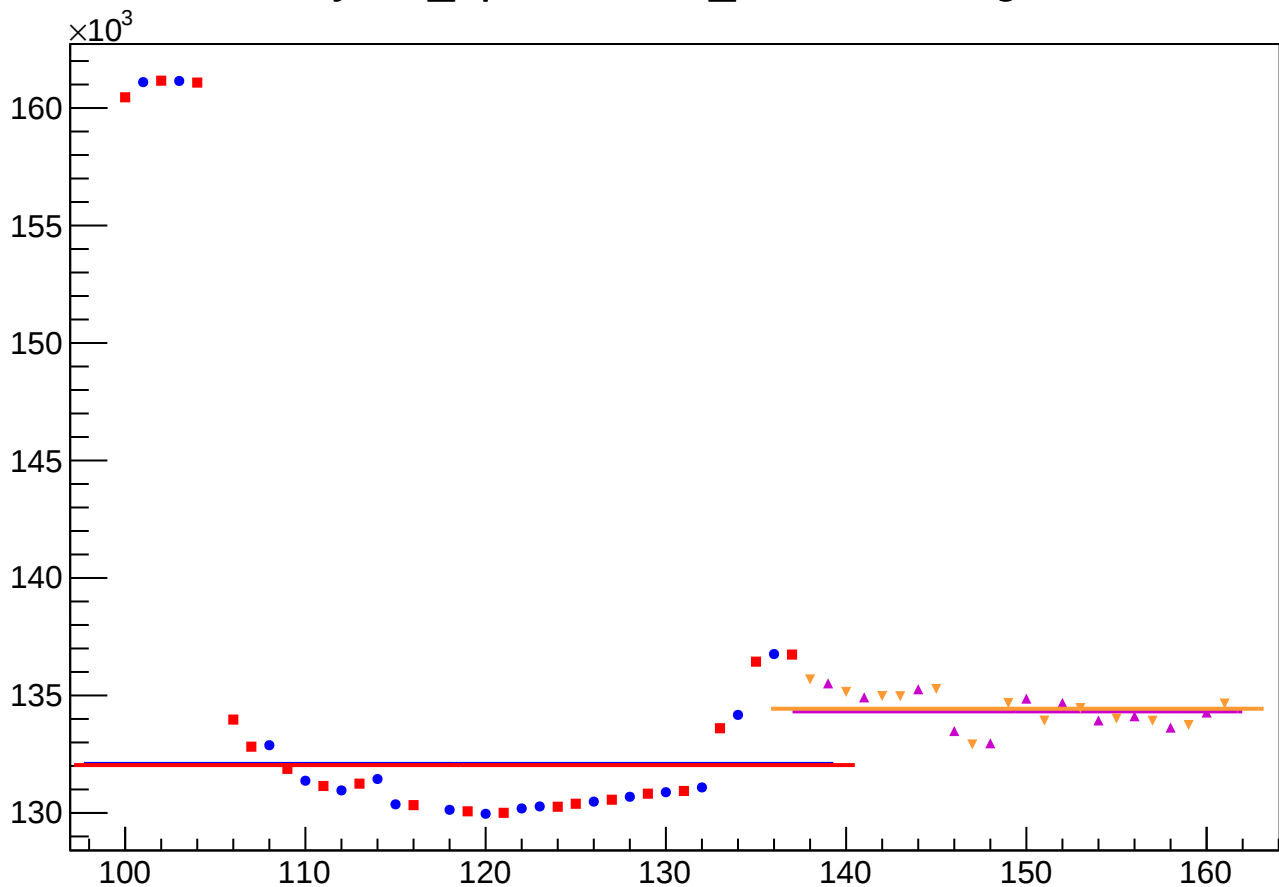
151.091 $\pm$ 0.028 χ^2 /NDF: 2315979.9/29

Right Out: 124.625 $\pm$ 0.036 χ^2 /NDF: 1531827.4/18

146.251 $\pm$ 0.027 χ^2 /NDF: 2520115.9/29

Left In: 176.512 $\pm$ 0.042 χ^2 /NDF:104099.2/10

yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16

Left Out: 134435.701 $\pm$ 0.058 χ^2 /NDF:160475322.8/12

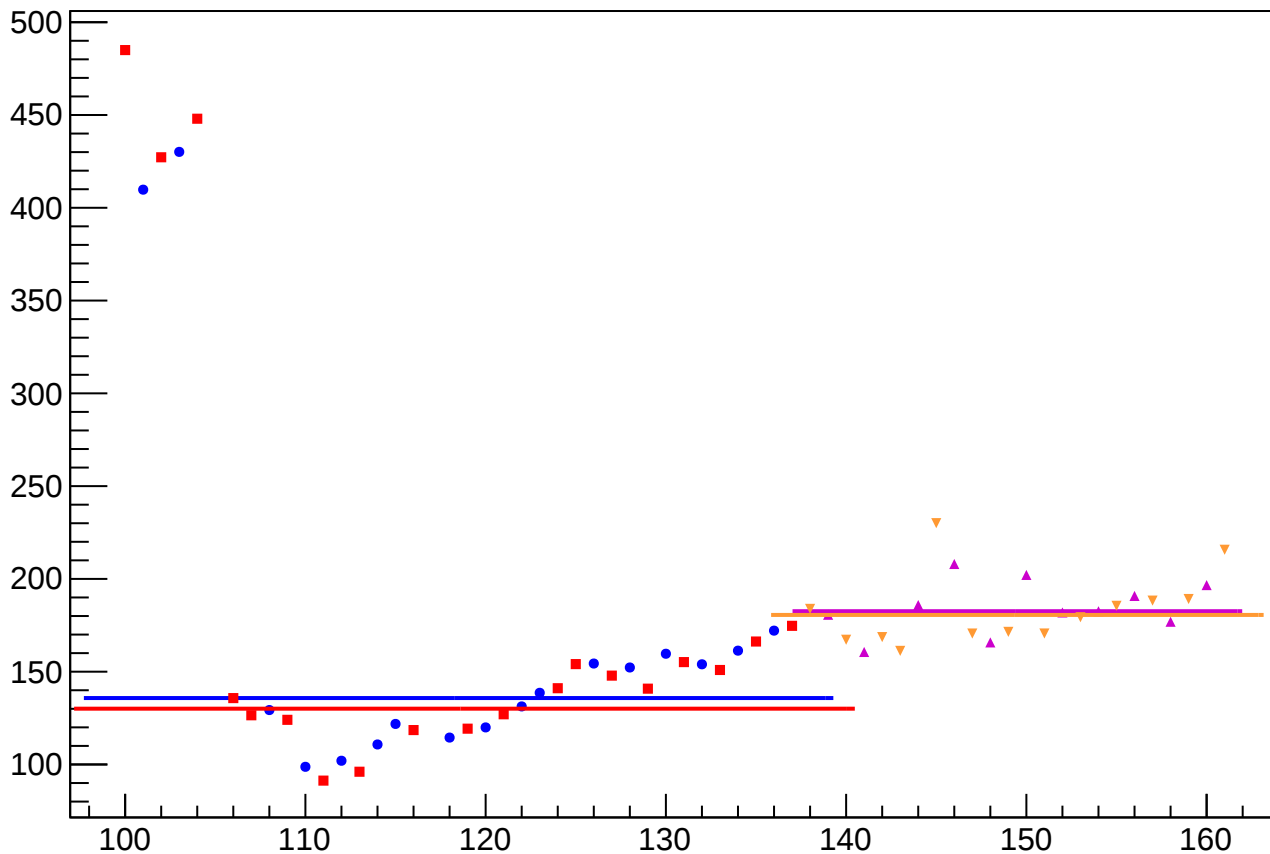
Right Out: 132037.539 $\pm$ 0.053 χ^2 /NDF: 5882115872.9/18

Left In: 134321.837 $\pm$ 0.062 χ^2 /NDF:155566544.9/10

133222.309 $\pm$ 0.041 χ^2 /NDF: 7728491215.7/29

132998.341 $\pm$ 0.040 χ^2 /NDF: 6833069595.7/29

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 $\pm$ 0.040 χ^2/NDF : 1441904.9/16

Left Out: 180.588 $\pm$ 0.041 χ^2/NDF : 168642.8/12

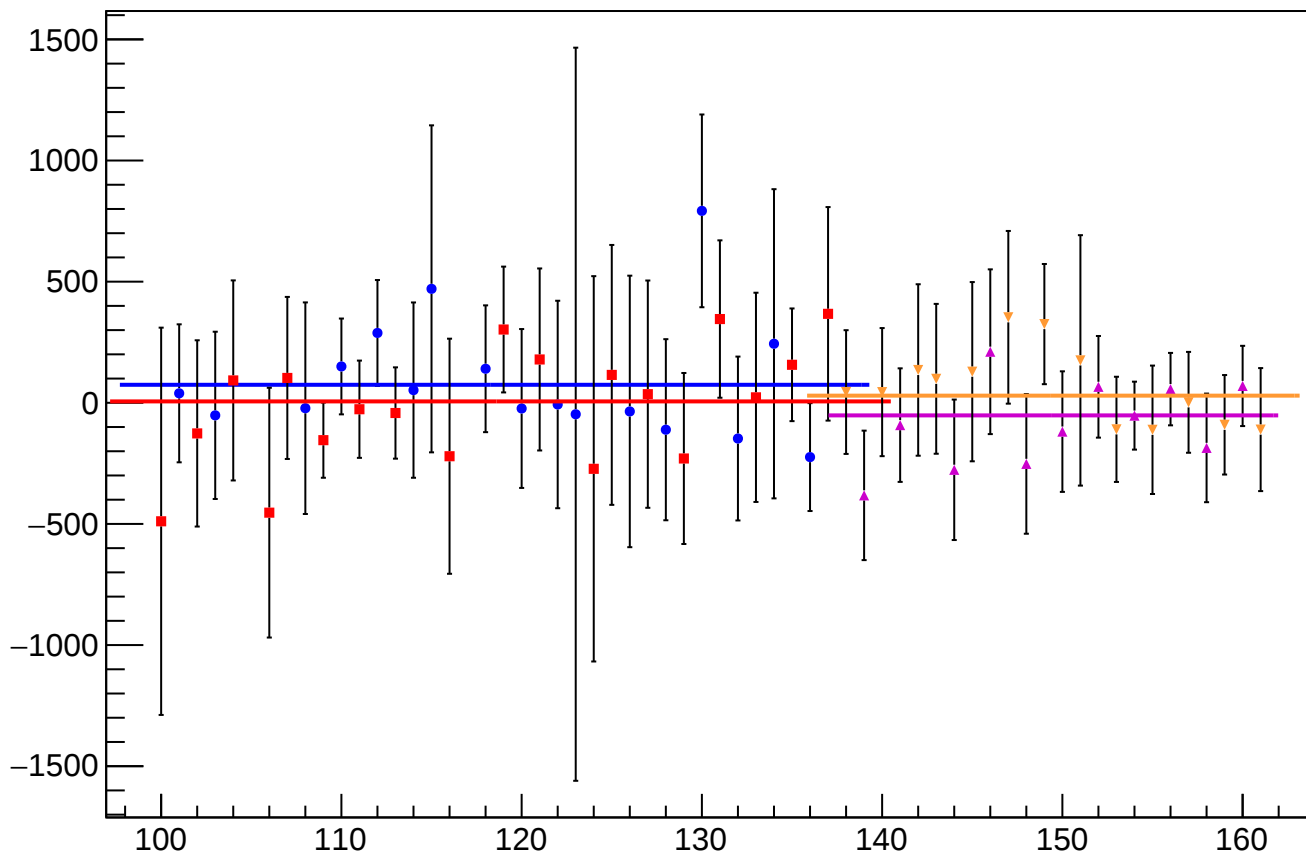
157.450 $\pm$ 0.029 χ^2/NDF : 2217671.3/29

Right Out: 130.070 $\pm$ 0.037 χ^2/NDF : 1503997.6/18

152.164 $\pm$ 0.028 χ^2/NDF : 2445871.5/29

Left In: 182.599 $\pm$ 0.044 χ^2/NDF : 100638.9/10

asym_bcm_an_ds_mean vs Slug



Right In: 74.294+/-79.018 χ^2/NDF : 7.7/16

Left Out: 29.504+/-74.326 χ^2/NDF : 3.9/12

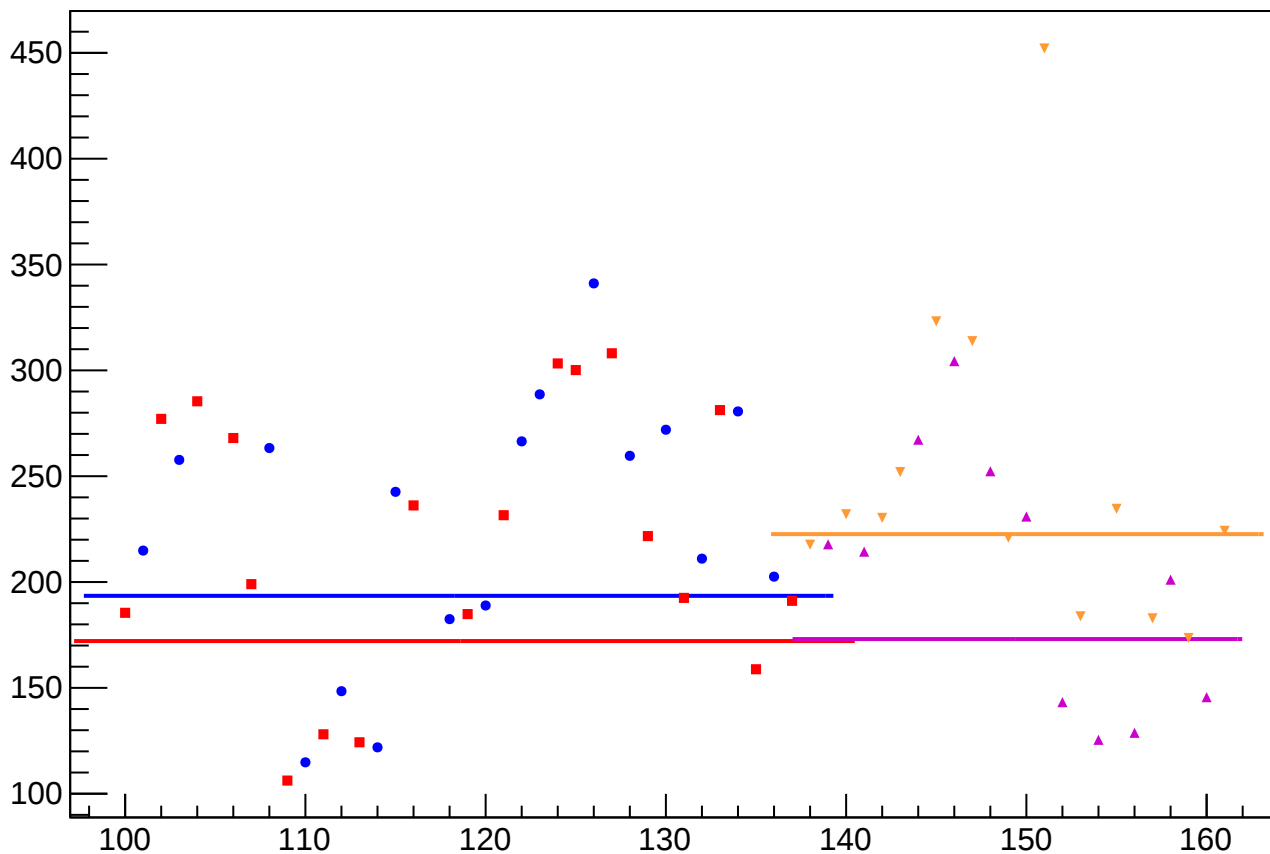
Right Out: 5.739+/-70.069 χ^2/NDF : 7.1/18

Left In: -52.008+/-62.549 χ^2/NDF : 5.0/10

50.530+/-54.139 χ^2/NDF : 11.8/29

-26.398+/-46.662 χ^2/NDF : 12.5/29

asym_bcm_an_ds_rms vs Slug



Right In: 193.488+/-0.056 χ^2/NDF : 1017195.7/16

Left Out: 222.631+/-0.053 χ^2/NDF :950393.4/12

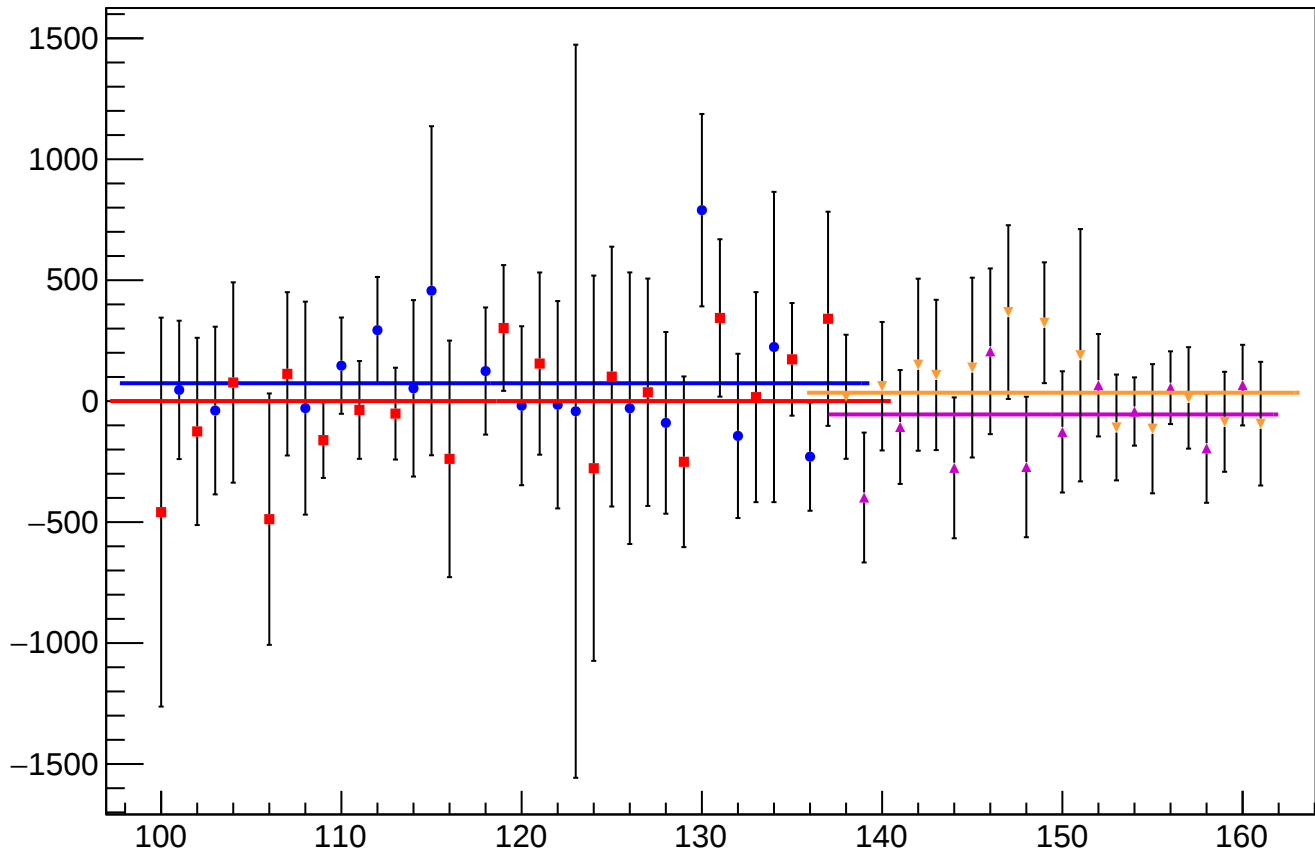
Right Out: 172.122+/-0.050 χ^2/NDF : 1579840.2/18

Left In: 173.066+/-0.044 χ^2/NDF :1419668.7/10

208.951+/-0.038 χ^2/NDF : 2111933.8/29

172.648+/-0.033 χ^2/NDF : 2999711.0/29

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098+/-79.404 χ^2/NDF : 7.6/16

Left Out: 34.911+/-74.803 χ^2/NDF : 3.9/12

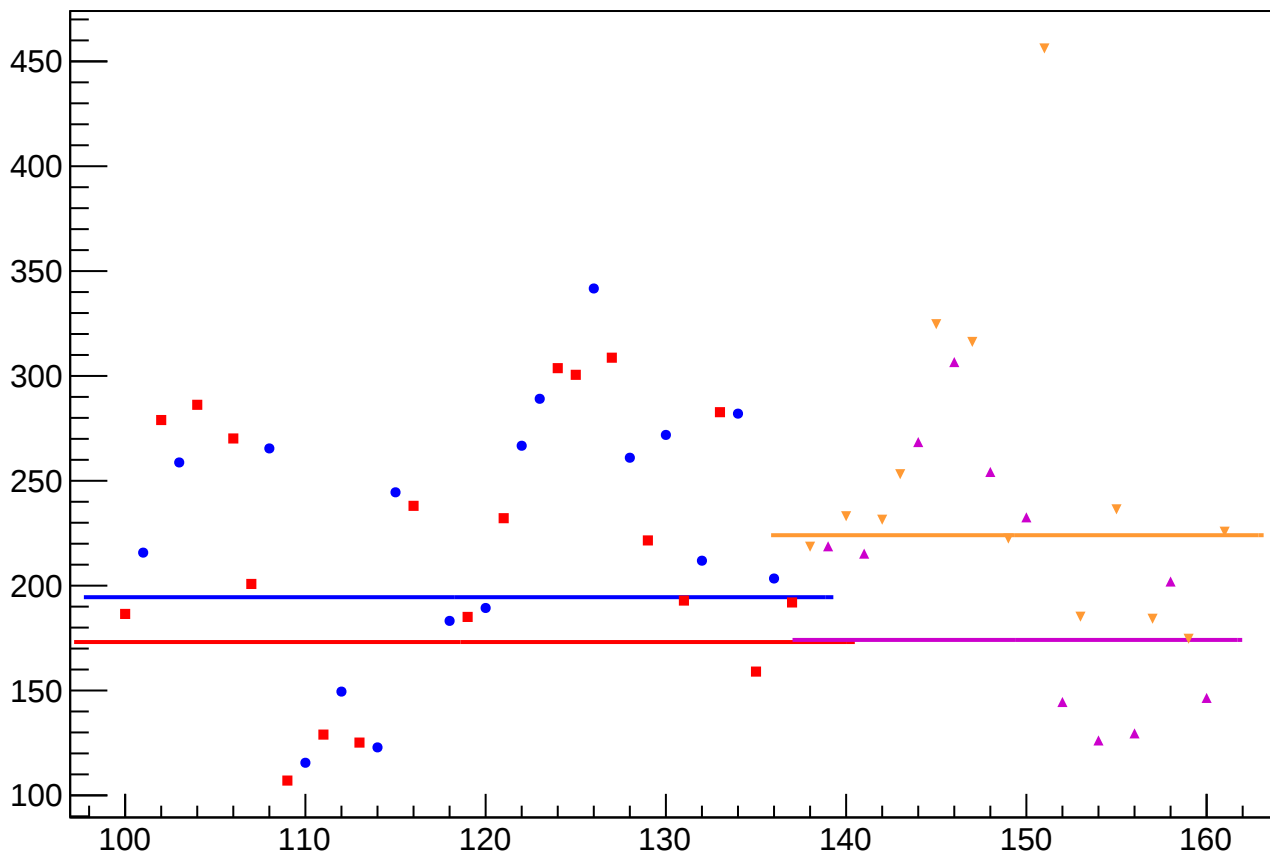
Right Out: 0.503+/-70.437 χ^2/NDF : 7.3/18

Left In: -54.942+/-62.929 χ^2/NDF : 5.3/10

53.336+/-54.447 χ^2/NDF : 11.6/29

-30.331+/-46.928 χ^2/NDF : 12.9/29

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496+/-0.056 χ^2/NDF : 1008514.7/16

Left Out: 224.054+/-0.053 χ^2/NDF : 949922.6/12

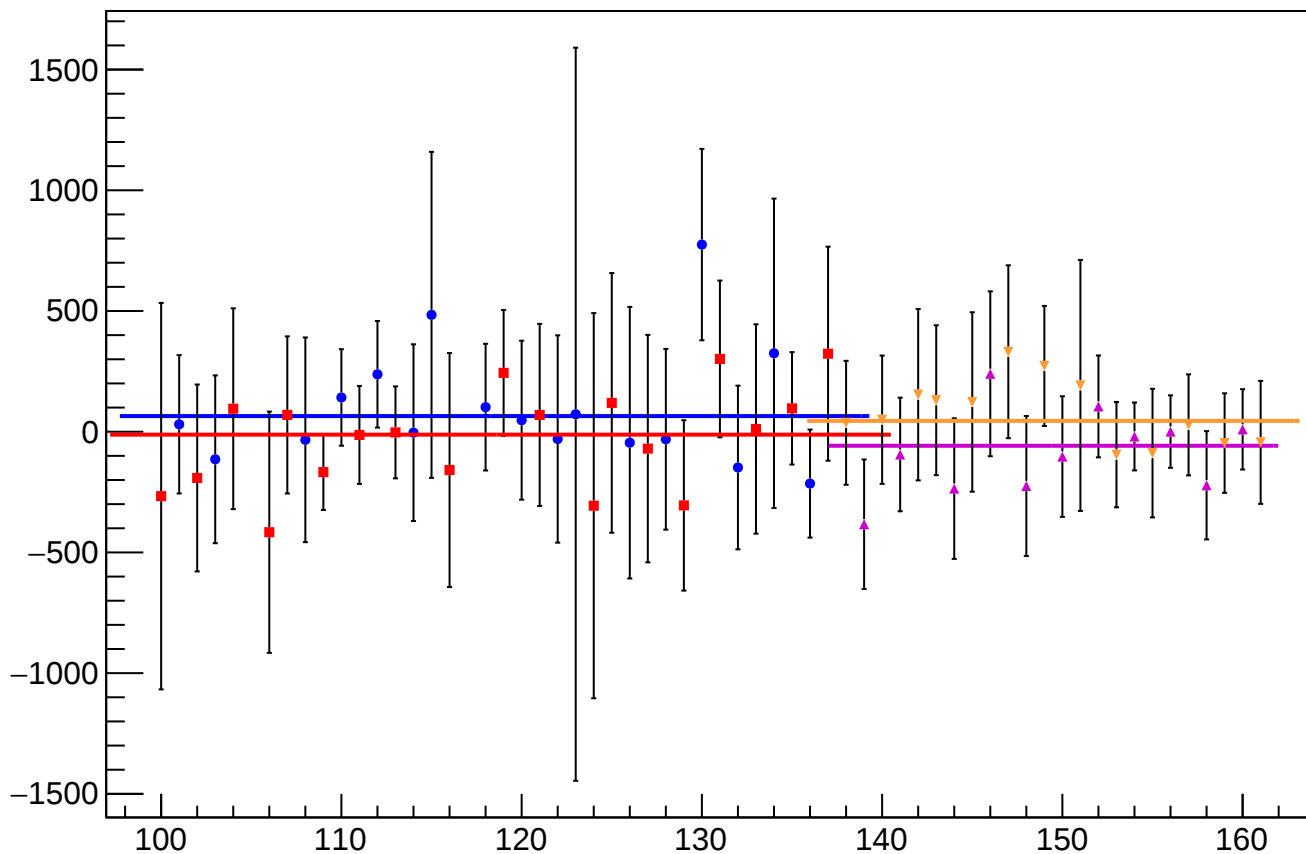
Right Out: 173.111+/-0.050 χ^2/NDF : 1567374.3/18

Left In: 174.120+/-0.044 χ^2/NDF : 1417711.9/10

210.156+/-0.039 χ^2/NDF : 2105264.2/29

173.672+/-0.033 χ^2/NDF : 2985314.5/29

asym_bcm_an_us_mean vs Slug



Right In: 64.733 ± 79.399 χ^2/NDF : 7.0/16

Left Out: 44.825 ± 74.647 χ^2/NDF : 2.8/12

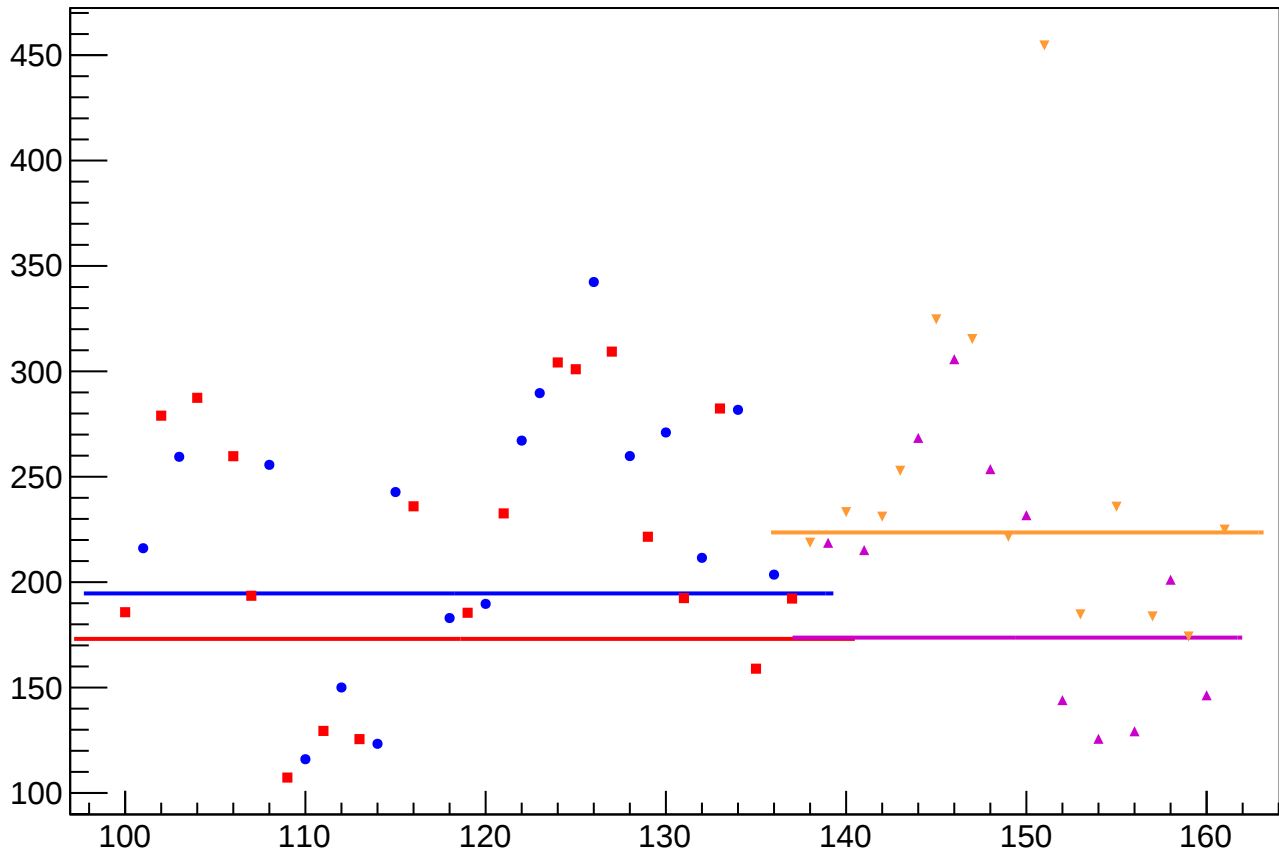
Right Out: -12.094 ± 70.361 χ^2/NDF : 5.8/18

Left In: -58.148 ± 62.783 χ^2/NDF : 4.5/10

54.165 ± 54.386 χ^2/NDF : 9.8/29

-37.734 ± 46.845 χ^2/NDF : 10.6/29

asym_bcm_an_us_rms vs Slug



Right In: 194.652+/-0.056 χ^2/NDF : 986798.9/16

Left Out: 223.579+/-0.053 χ^2/NDF : 951446.7/12

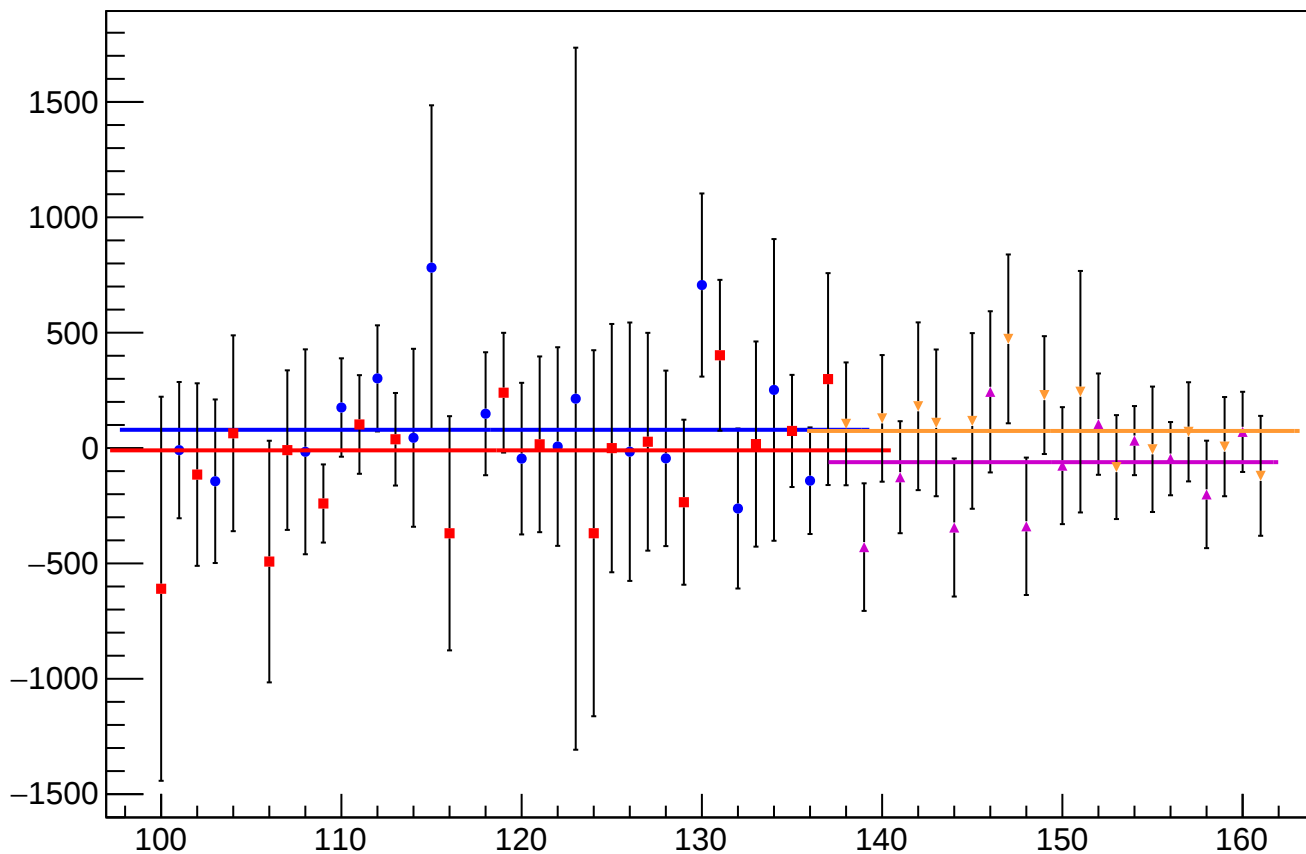
210.007+/-0.038 χ^2/NDF : 2079158.5/29

Right Out: 173.089+/-0.050 χ^2/NDF : 1544540.9/18

173.428+/-0.033 χ^2/NDF : 2965977.9/29

Left In: 173.697+/-0.044 χ^2/NDF : 1421353.7/10

asym_bcm_dg_us_mean vs Slug



Right In: 79.128 ± 81.874 χ^2/NDF : 7.5/16

Left Out: 74.137 ± 76.800 χ^2/NDF : 3.1/12

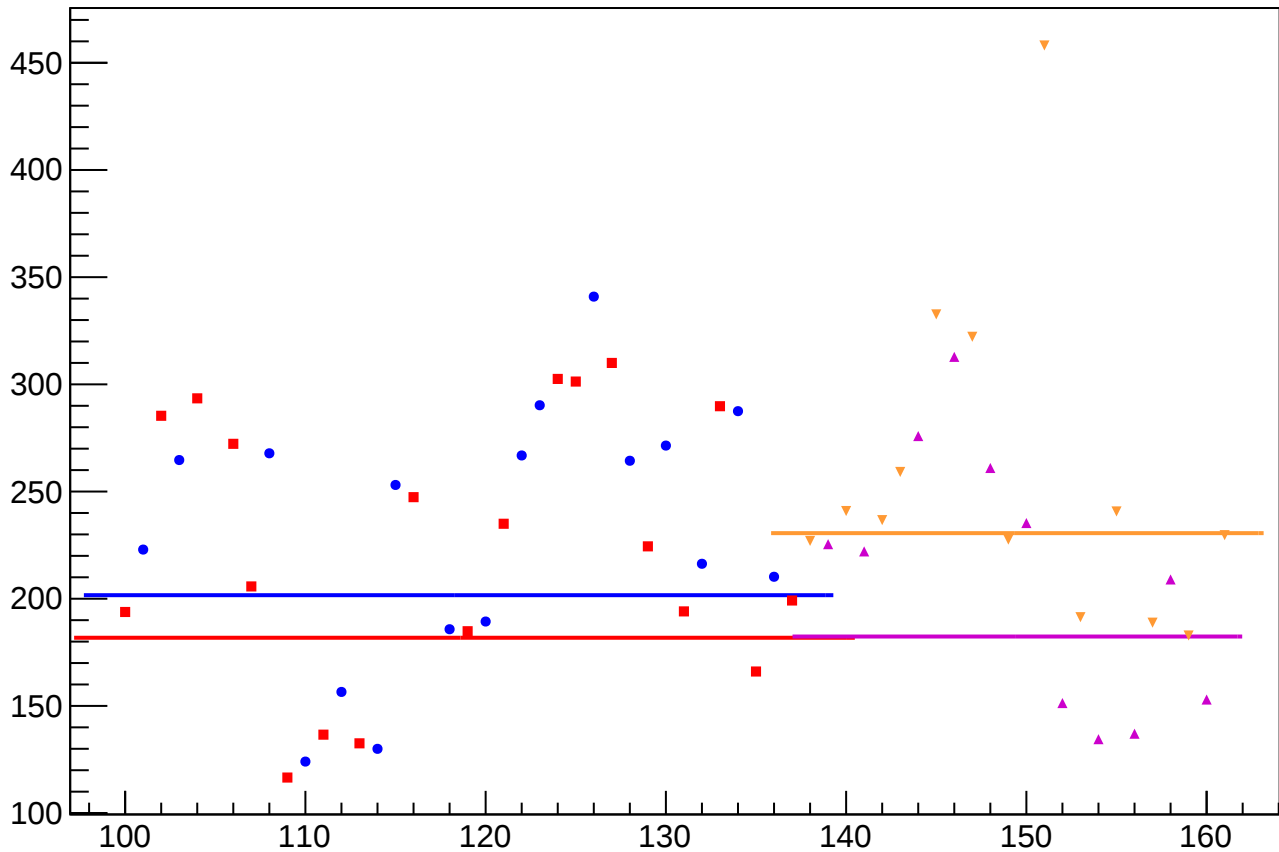
Right Out: -9.982 ± 73.310 χ^2/NDF : 7.9/18

Left In: -61.149 ± 65.530 χ^2/NDF : 6.3/10

76.473 ± 56.014 χ^2/NDF : 10.6/29

-38.424 ± 48.856 χ^2/NDF : 14.4/29

asym_bcm_dg_us_rms vs Slug



Right In: 201.654+/-0.058 χ^2/NDF : 883179.7/16

Left Out: 230.594+/-0.054 χ^2/NDF : 904693.5/12

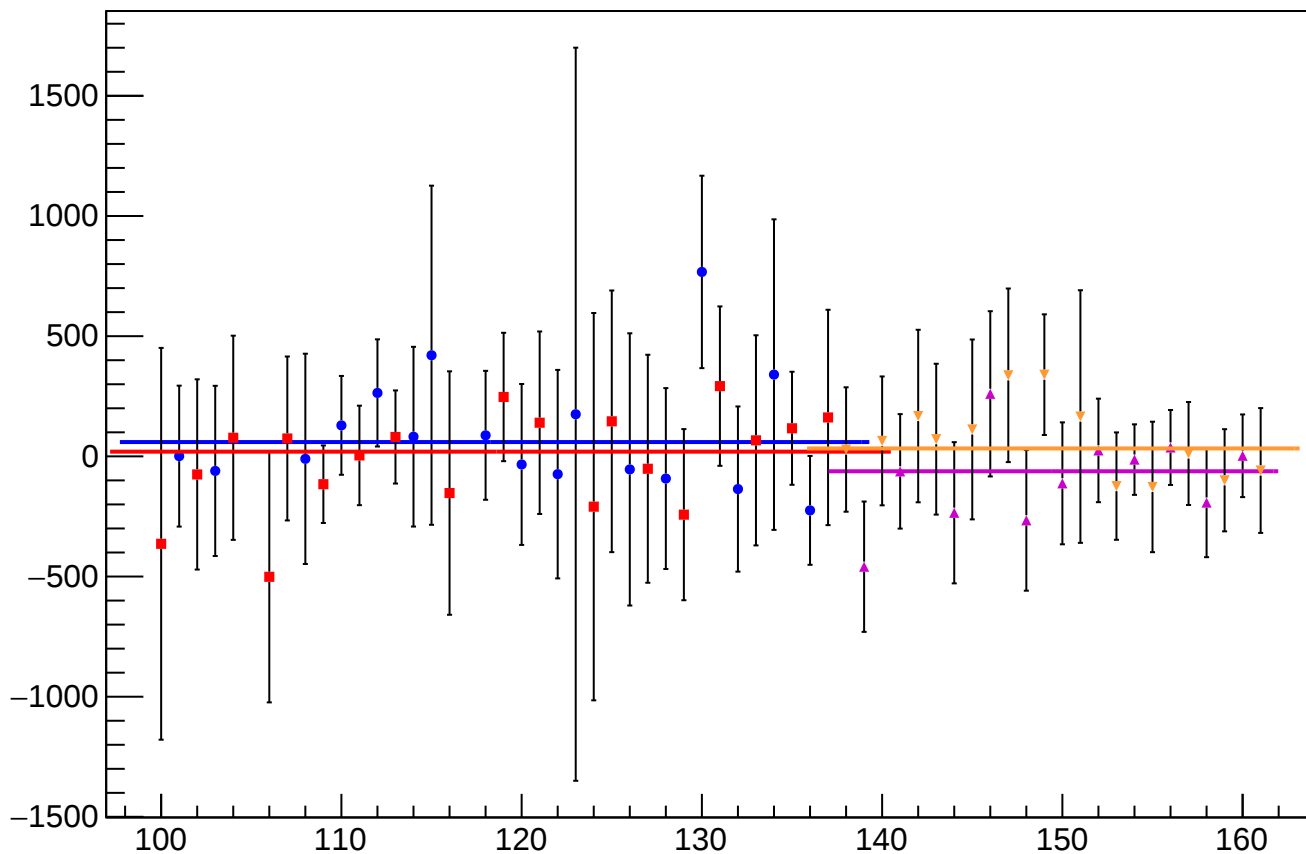
Right Out: 181.797+/-0.052 χ^2/NDF : 1377449.9/18

Left In: 182.370+/-0.046 χ^2/NDF : 1294146.9/10

217.049+/-0.040 χ^2/NDF : 1920797.7/29

182.116+/-0.035 χ^2/NDF : 2671664.7/29

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496+/-80.808 χ^2/NDF : 7.0/16

Left Out: 32.905+/-75.932 χ^2/NDF : 3.8/12

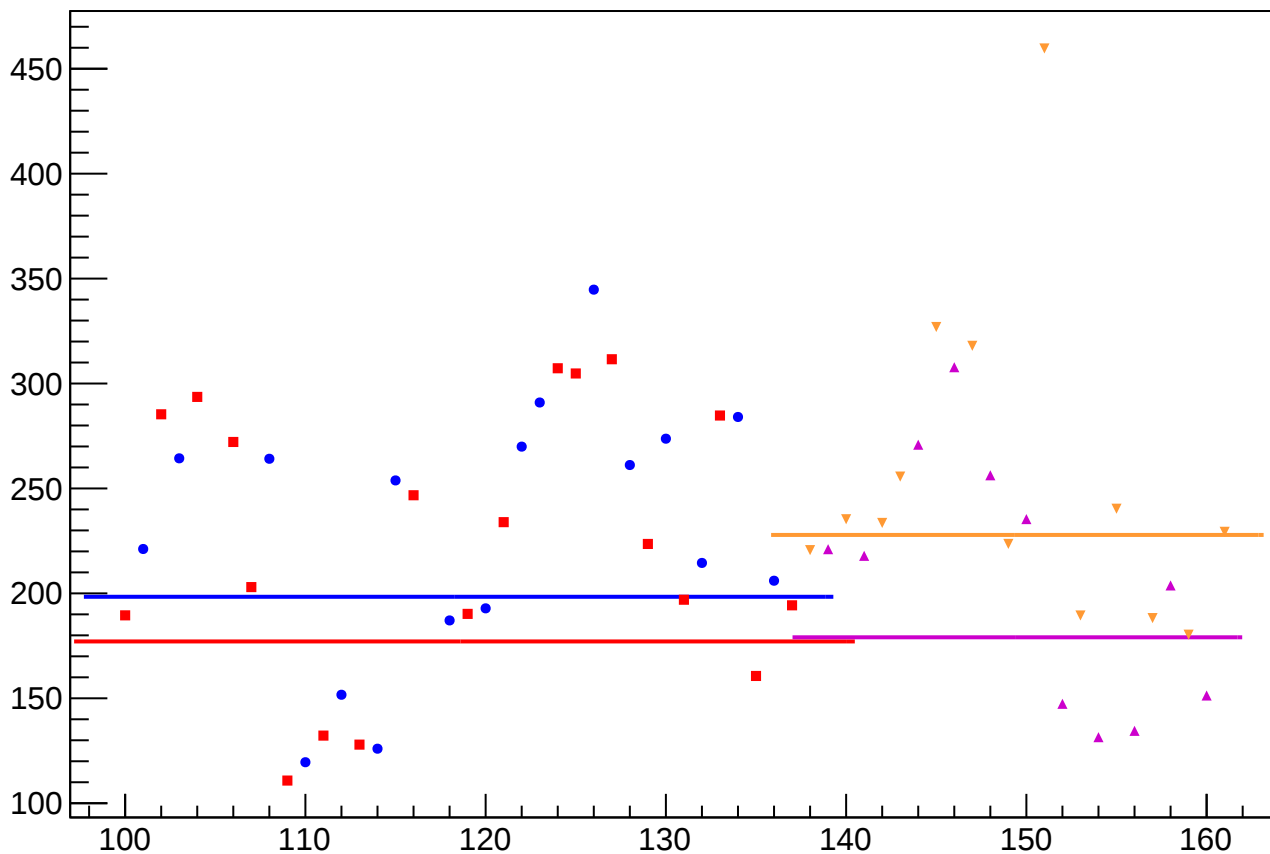
Right Out: 19.541+/-71.866 χ^2/NDF : 4.7/18

Left In: -62.003+/-64.442 χ^2/NDF : 5.0/10

45.374+/-55.336 χ^2/NDF : 10.9/29

-25.659+/-47.978 χ^2/NDF : 10.5/29

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378 $\pm$ 0.057 χ^2 /NDF: 963672.6/16

Left Out: 227.848 $\pm$ 0.054 χ^2 /NDF: 905695.3/12

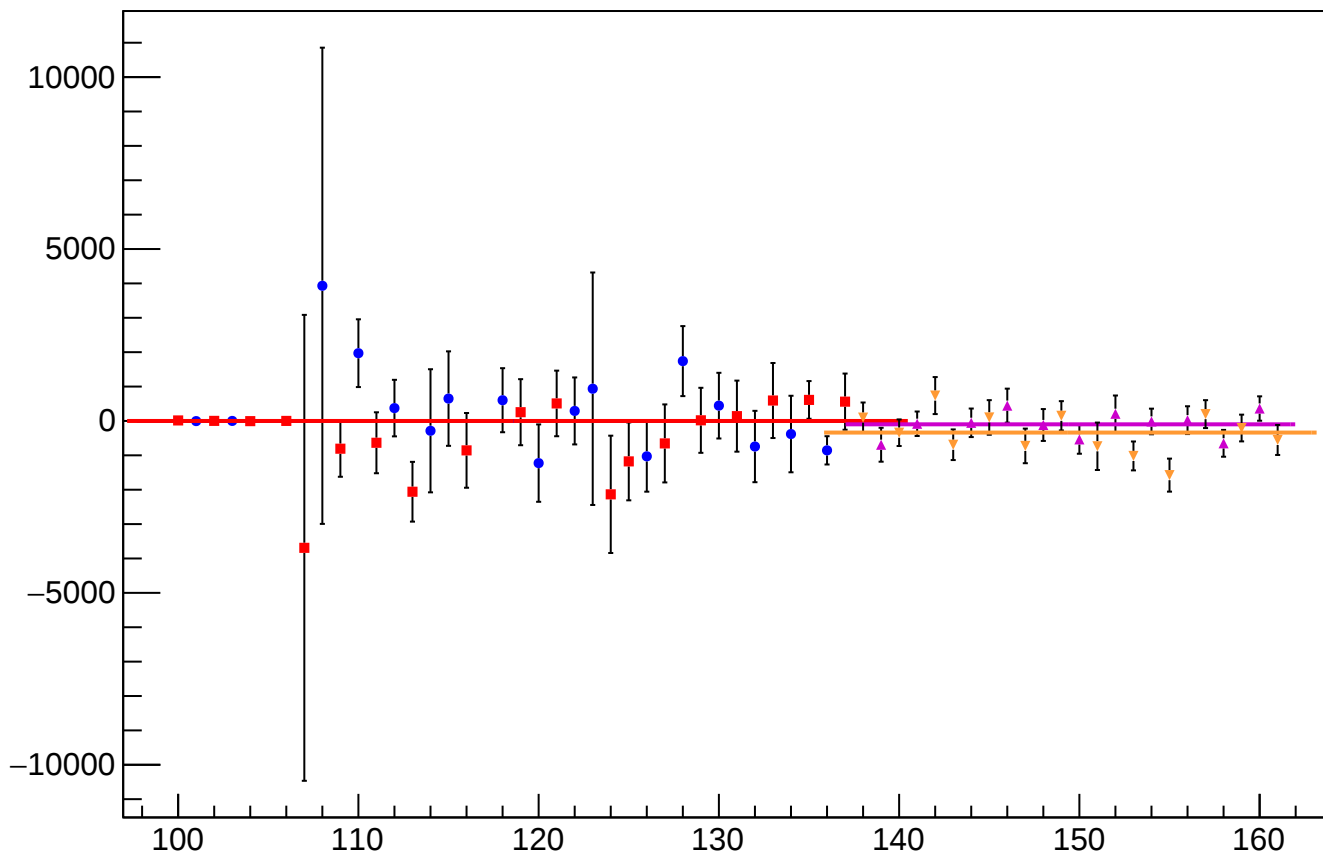
Right Out: 177.096 $\pm$ 0.051 χ^2 /NDF: 1524763.6/18

Left In: 179.068 $\pm$ 0.046 χ^2 /NDF: 1307165.0/10

214.029 $\pm$ 0.039 χ^2 /NDF: 2010628.4/29

178.189 $\pm$ 0.034 χ^2 /NDF: 2832763.5/29

asym_cav4bQ_mean vs Slug



Right In: -1.529+/-2.251 χ^2/NDF : 17.0/16

Left Out: -338.063+/-125.199 χ^2/NDF : 20.0/12

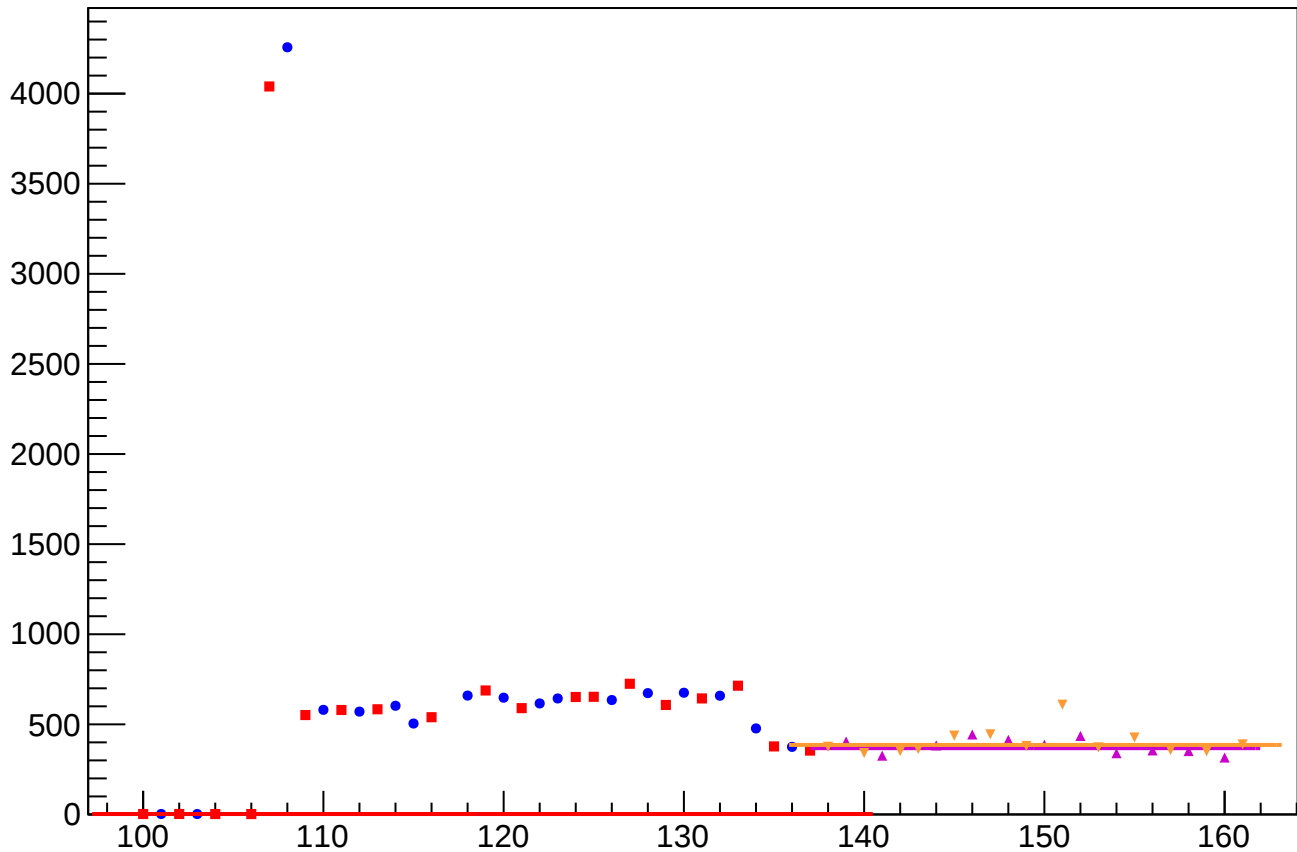
Right Out: -0.727+/-2.111 χ^2/NDF : 19.3/18

Left In: -98.247+/-125.327 χ^2/NDF : 7.9/10

-1.638+/-2.251 χ^2/NDF : 44.2/29

-0.754+/-2.111 χ^2/NDF : 27.8/29

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 385.786+/-0.089 χ^2/NDF : 343429.6/12

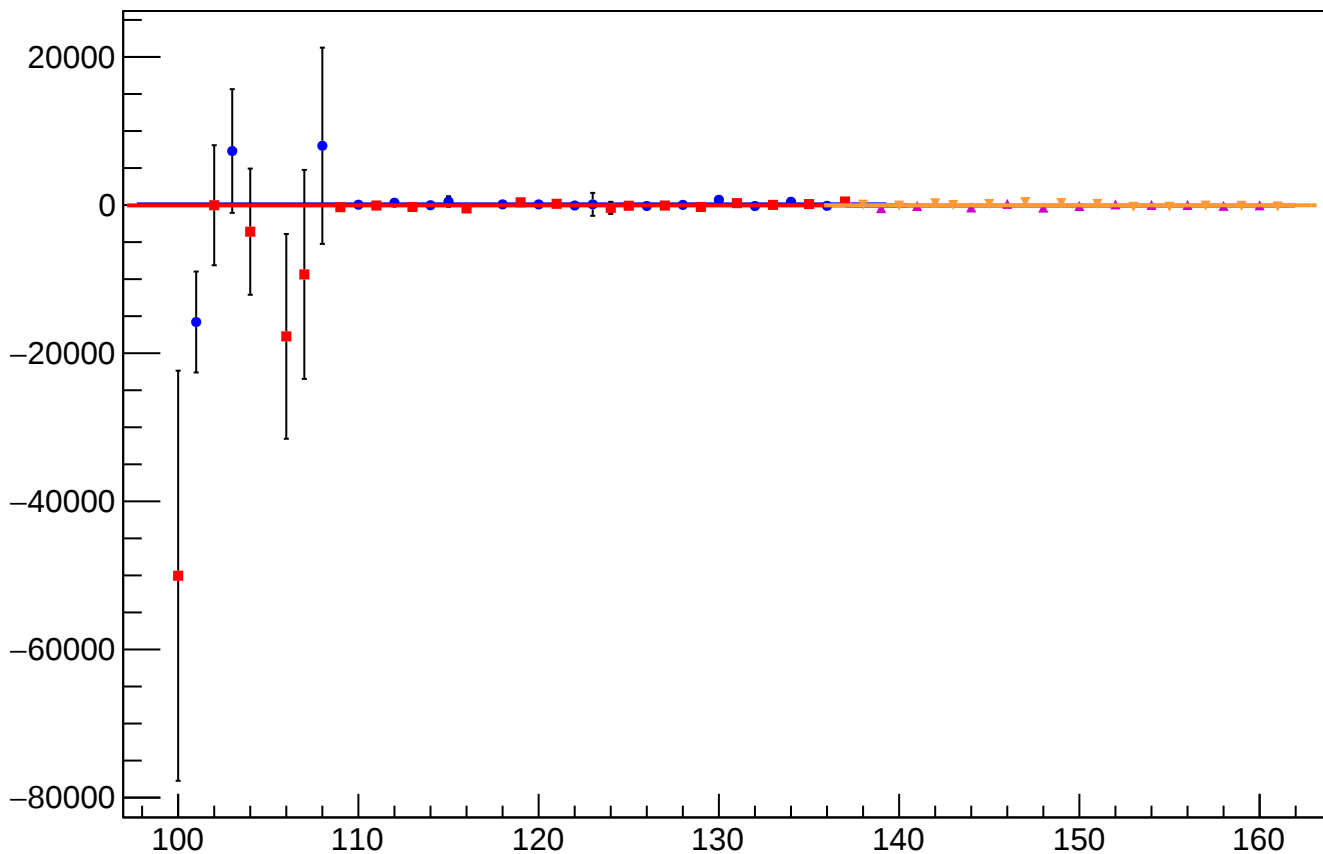
Right Out: 2.437+/-0.001 χ^2/NDF : 11147393.9/18

Left In: 367.801+/-0.089 χ^2/NDF : 204645.9/10

2.581+/-0.002 χ^2/NDF : 29934000.1/29

2.540+/-0.001 χ^2/NDF : 28344938.2/29

asym_cav4cQ_mean vs Slug



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: -26.120+/-80.829 χ^2/NDF : 5.1/12

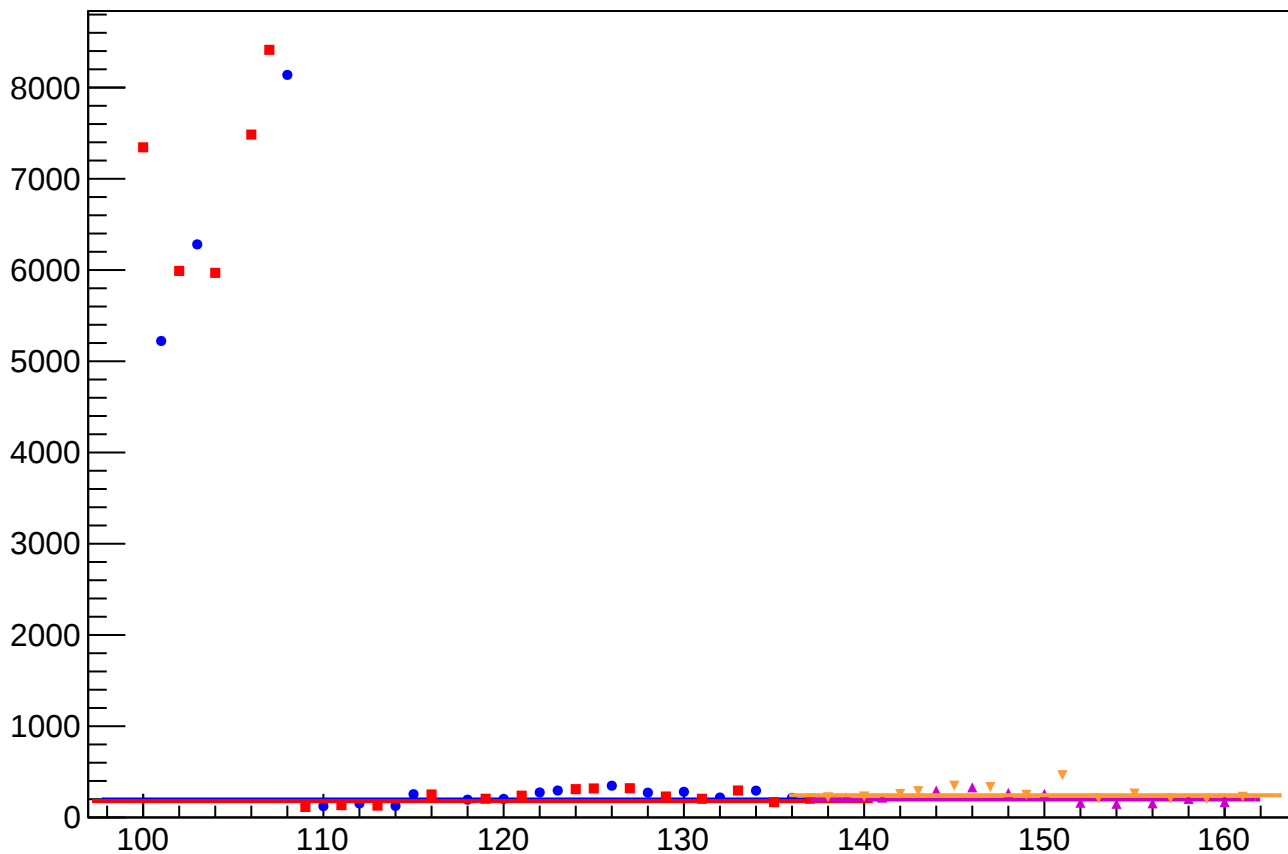
Right Out: -42.302+/-84.496 χ^2/NDF : 13.9/18

Left In: -69.850+/-69.950 χ^2/NDF : 4.4/10

28.997+/-60.391 χ^2/NDF : 18.0/29

-58.648+/-53.882 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: 243.672+/-0.057 χ^2/NDF : 817954.2/12

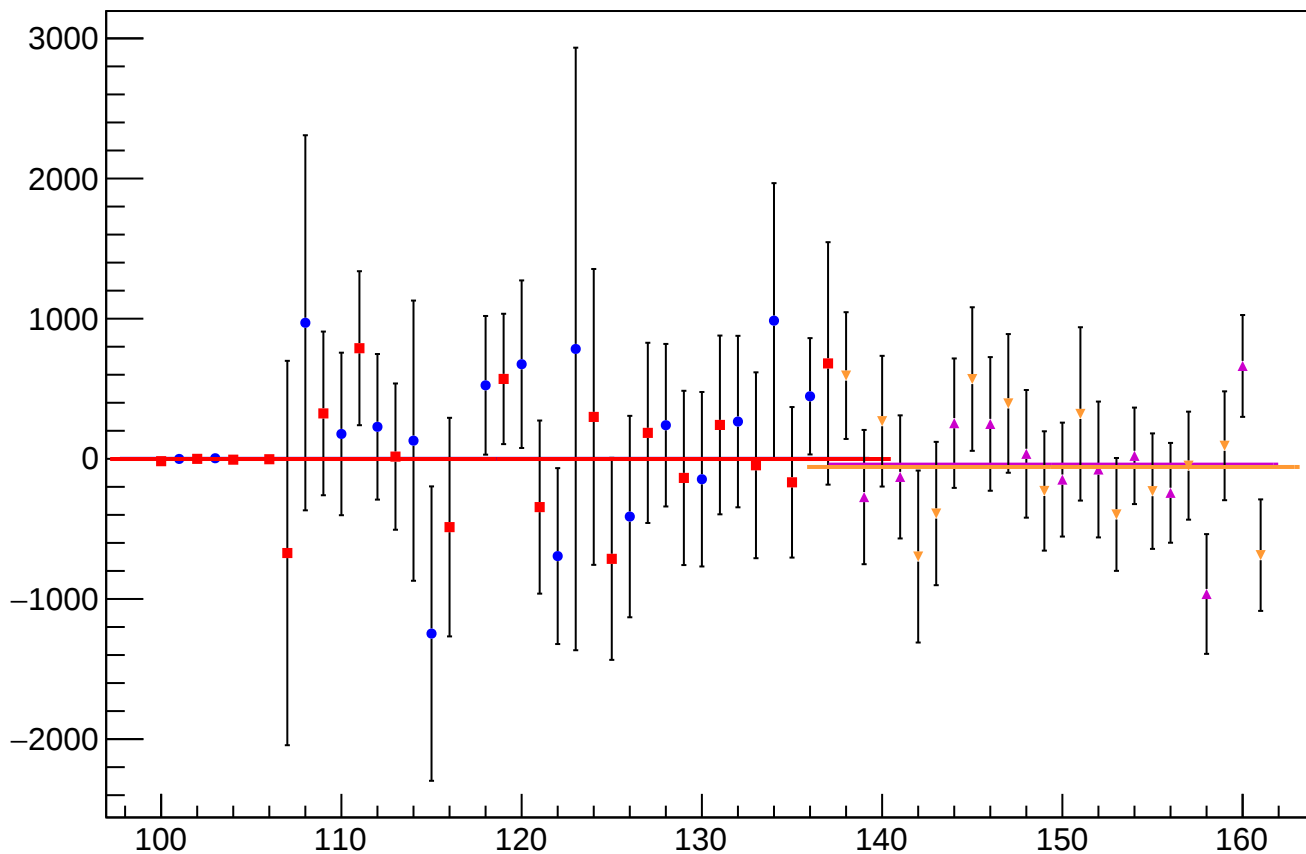
Right Out: 179.949+/-0.060 χ^2/NDF : 4321173.8/18

Left In: 196.472+/-0.049 χ^2/NDF : 1049904.0/10

223.091+/-0.043 χ^2/NDF : 4805076.8/29

189.753+/-0.038 χ^2/NDF : 5416456.3/29

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: -58.165 ± 125.266 χ^2/NDF : 10.5/12

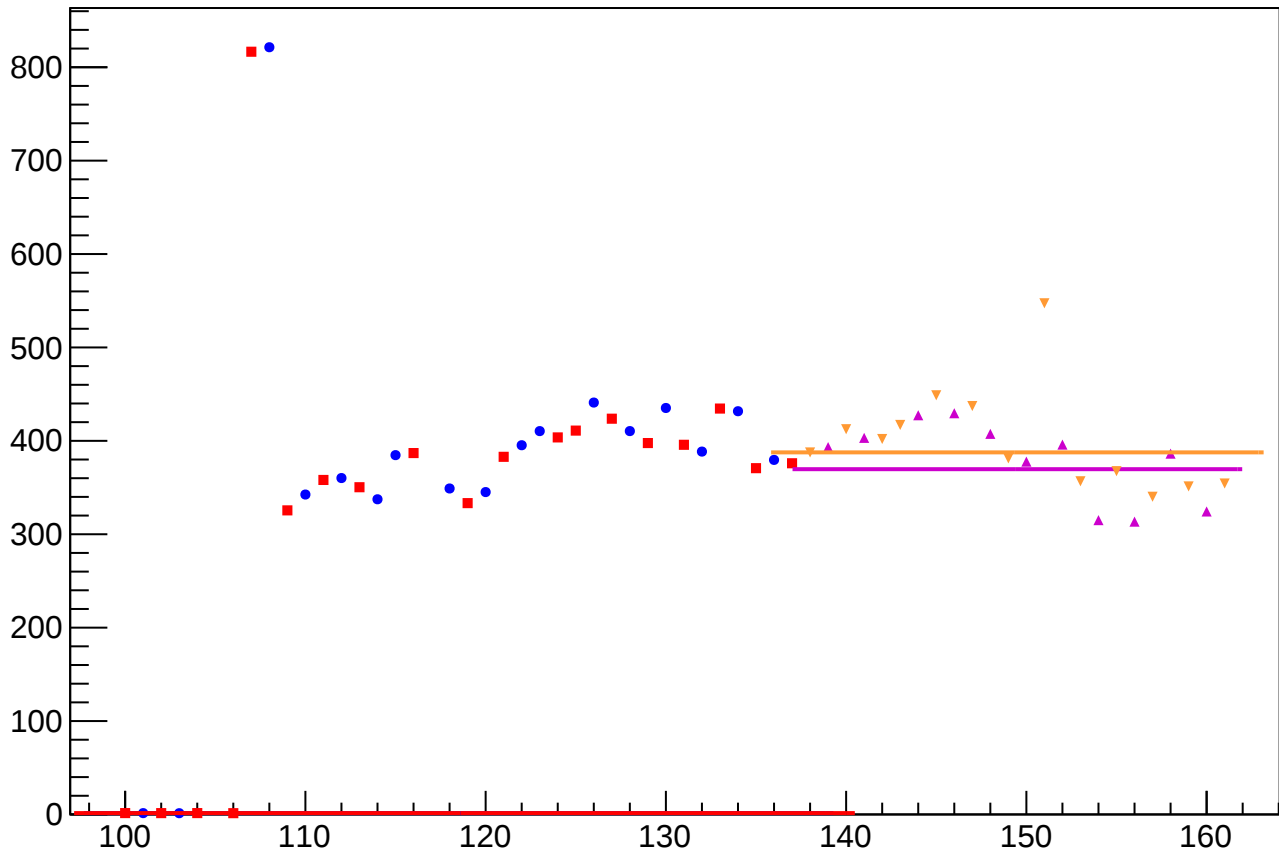
Right Out: -1.323 ± 1.623 χ^2/NDF : 9.6/18

Left In: -41.455 ± 125.855 χ^2/NDF : 9.9/10

-0.149 ± 1.736 χ^2/NDF : 20.4/29

-1.330 ± 1.622 χ^2/NDF : 19.6/29

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 387.659+/-0.089 χ^2/NDF :274219.9/12

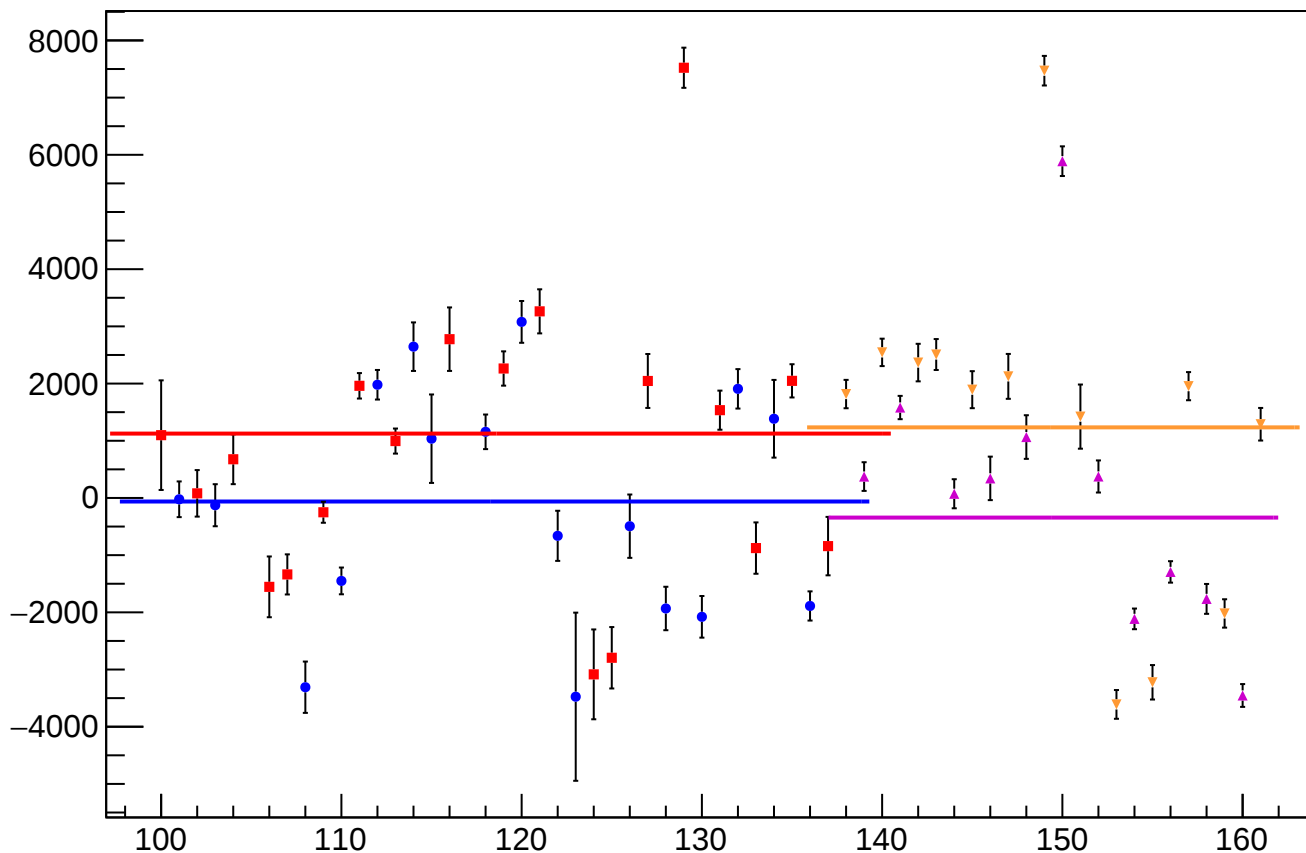
Right Out: 1.451+/-0.001 χ^2/NDF : 10880737.7/18

Left In: 369.662+/-0.089 χ^2/NDF :233915.2/10

1.527+/-0.001 χ^2/NDF : 30239485.1/29

1.512+/-0.001 χ^2/NDF : 28230980.1/29

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 χ^2/NDF : 433.9/16

Left Out: 1234.177 ± 78.402 χ^2/NDF : 1430.7/12

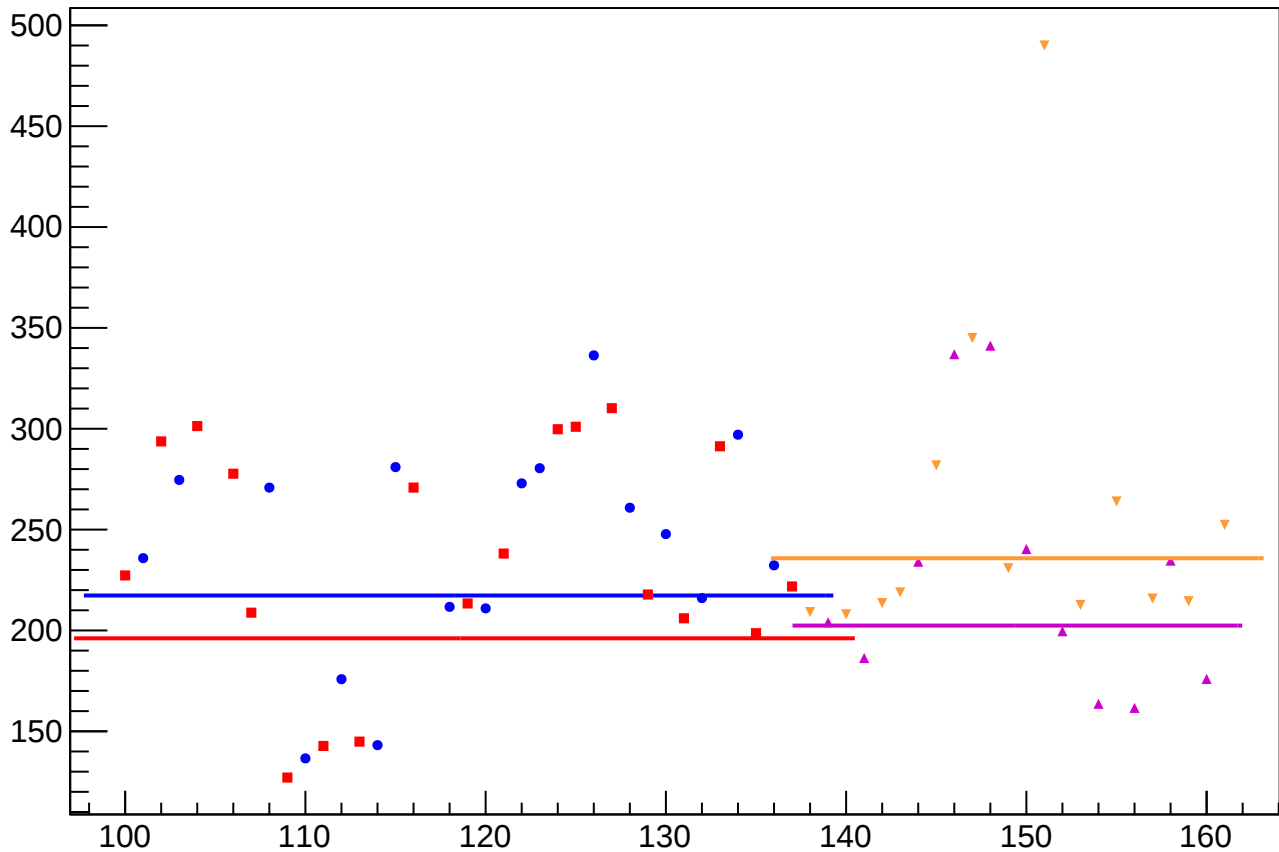
Right Out: 1125.437 ± 78.370 χ^2/NDF : 671.2/18

Left In: -343.216 ± 71.472 χ^2/NDF : 1095.2/10

656.327 ± 58.368 χ^2/NDF : 1986.5/29

323.645 ± 52.809 χ^2/NDF : 1958.2/29

asym_bcm0l02_rms vs Slug



Right In: 217.330+/-0.062 χ^2/NDF : 652722.5/16

Left Out: 235.801+/-0.055 χ^2/NDF : 742940.2/12

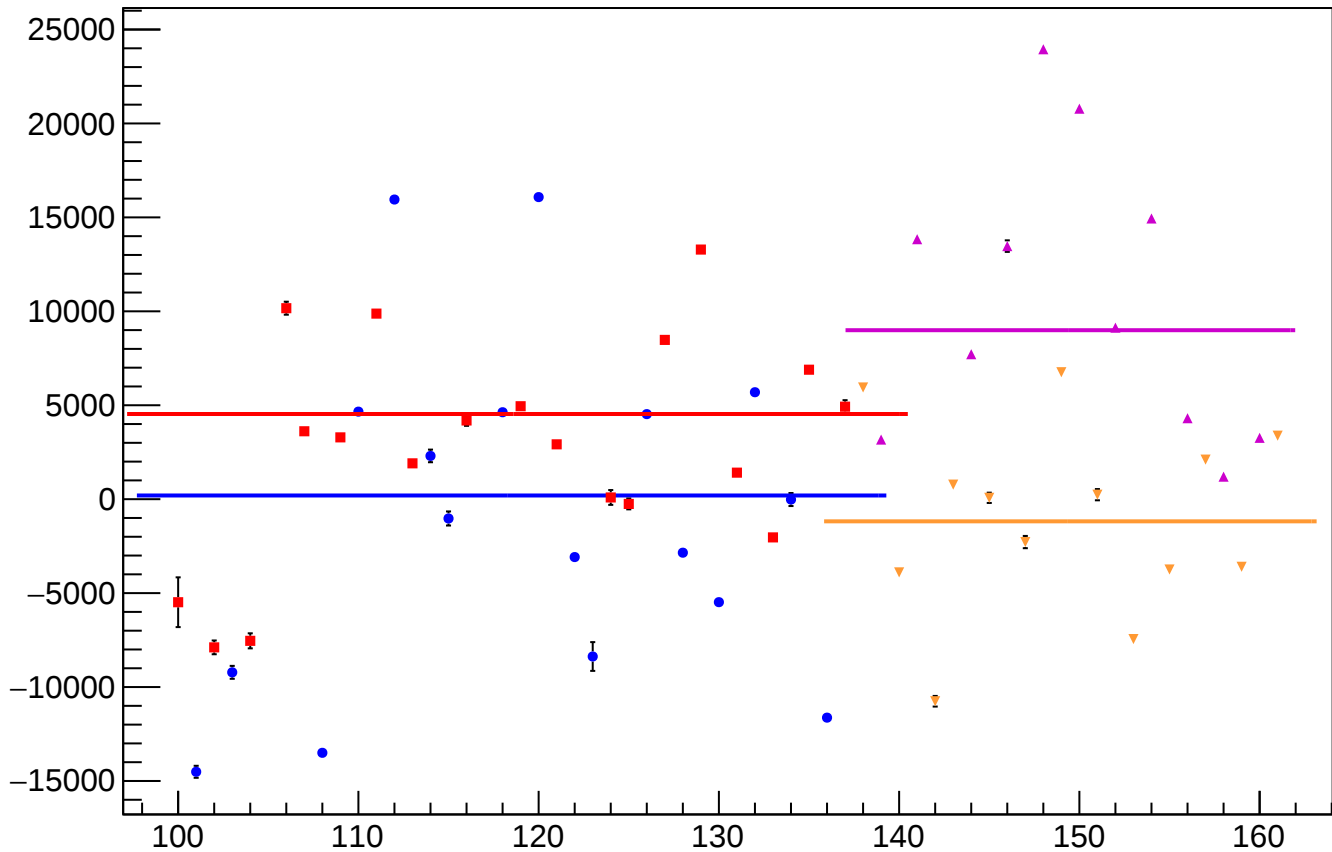
227.568+/-0.041 χ^2/NDF : 1445147.5/29

Right Out: 196.105+/-0.055 χ^2/NDF : 1190733.6/18

199.551+/-0.037 χ^2/NDF : 2052149.0/29

Left In: 202.416+/-0.051 χ^2/NDF : 854335.0/10

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 ± 54.799 $\chi^2/\text{NDF}: 30658.3/16$

Left Out: -1179.044 ± 55.268 $\chi^2/\text{NDF}: 7308.1/12$

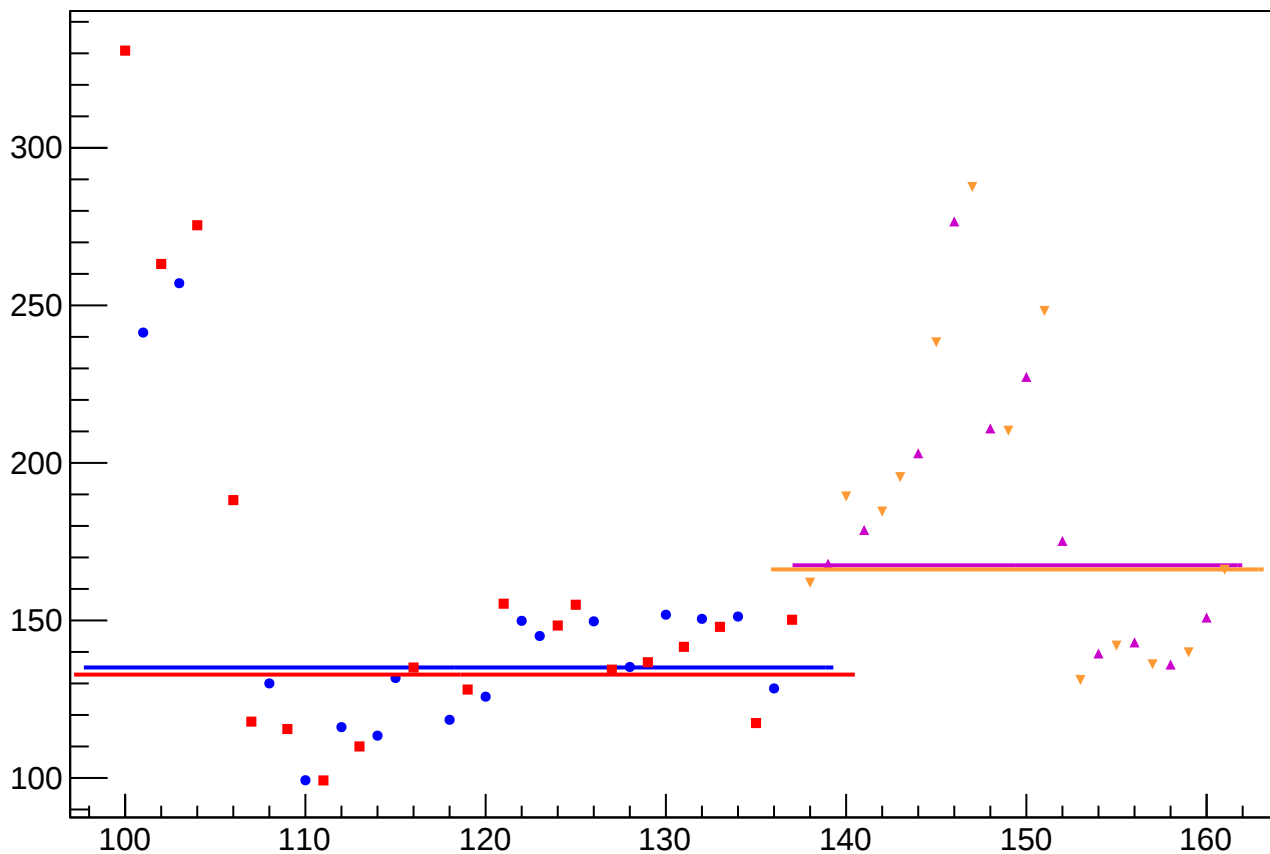
Right Out: 4534.200 ± 52.462 $\chi^2/\text{NDF}: 7477.2/18$

Left In: 8994.802 ± 58.594 $\chi^2/\text{NDF}: 13833.4/10$

-485.148 ± 38.913 $\chi^2/\text{NDF}: 38278.9/29$

6518.943 ± 39.085 $\chi^2/\text{NDF}: 24527.4/29$

asym_bpm0i02WS_rms vs Slug



Right In: 135.072+/-0.039 χ^2/NDF : 658703.5/16

Left Out: 166.193+/-0.039 χ^2/NDF : 988562.8/12

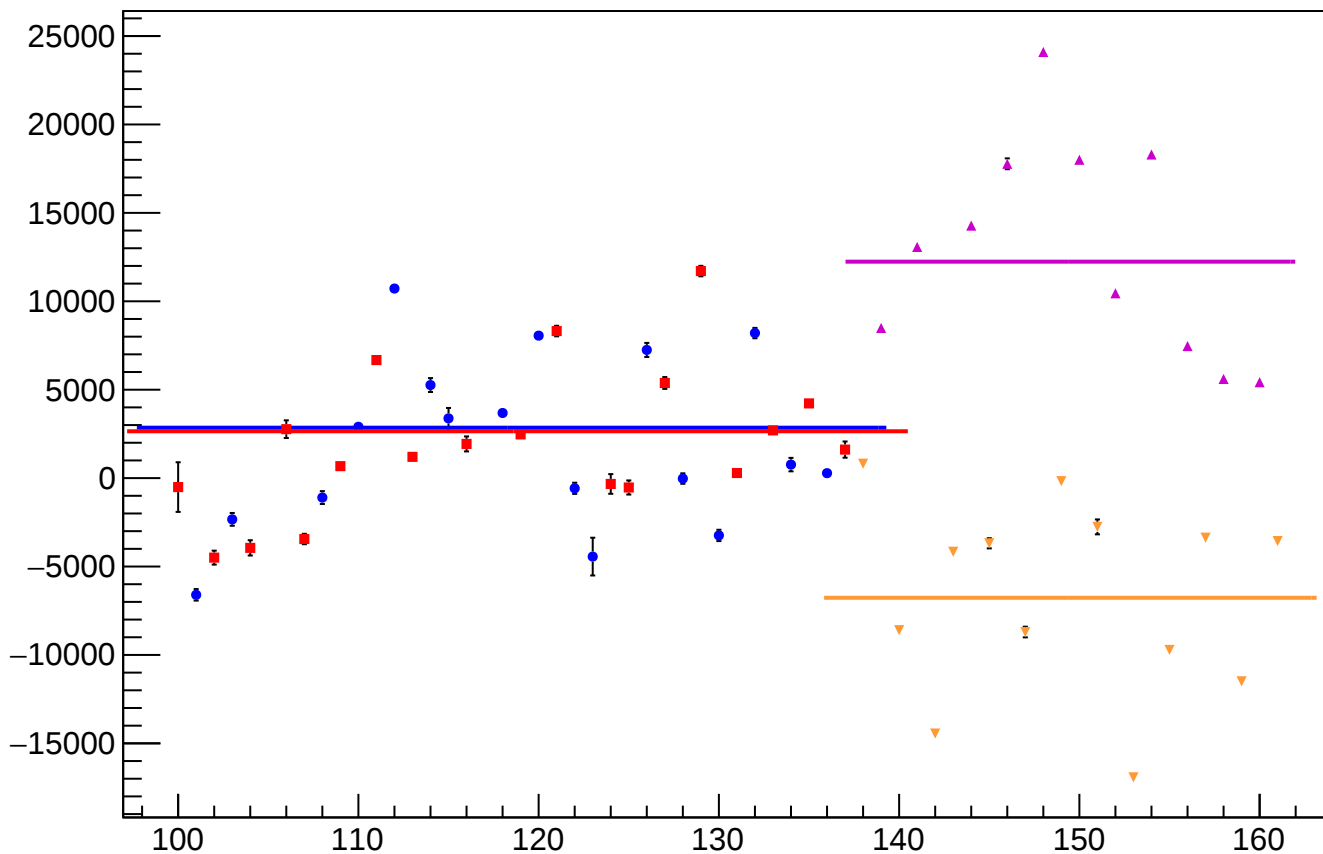
Right Out: 132.816+/-0.037 χ^2/NDF : 831191.5/18

Left In: 167.504+/-0.041 χ^2/NDF : 712852.1/10

150.500+/-0.028 χ^2/NDF : 1967049.0/29

148.251+/-0.028 χ^2/NDF : 1933098.8/29

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -6767.050+/-63.934 χ^2/NDF : 7402.4/12

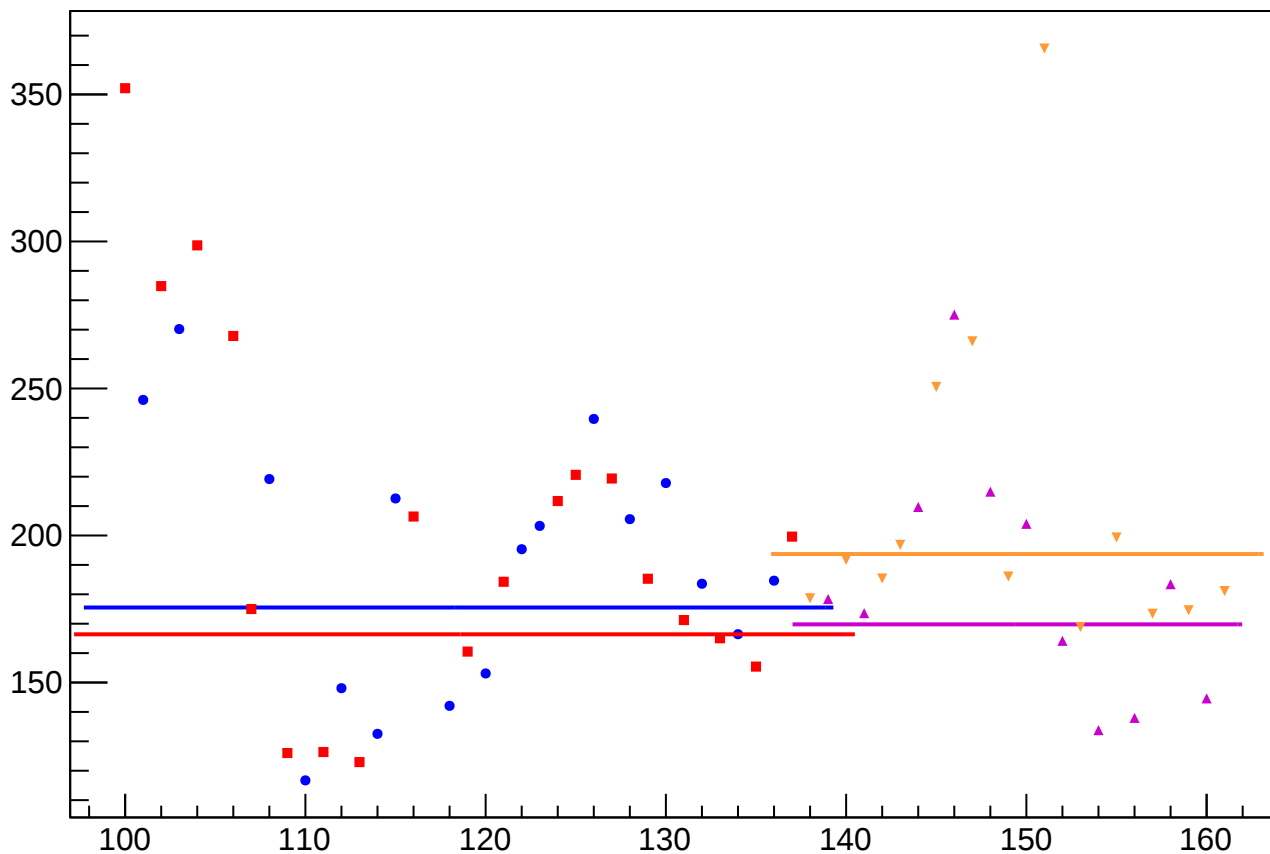
Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

Left In: 12240.836+/-59.495 χ^2/NDF : 9211.5/10

-2443.581+/-47.436 χ^2/NDF : 21754.3/29

7921.425+/-44.110 χ^2/NDF : 24091.8/29

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514+/-0.050 χ^2/NDF : 689642.3/16

Left Out: 193.695+/-0.045 χ^2/NDF : 619544.0/12

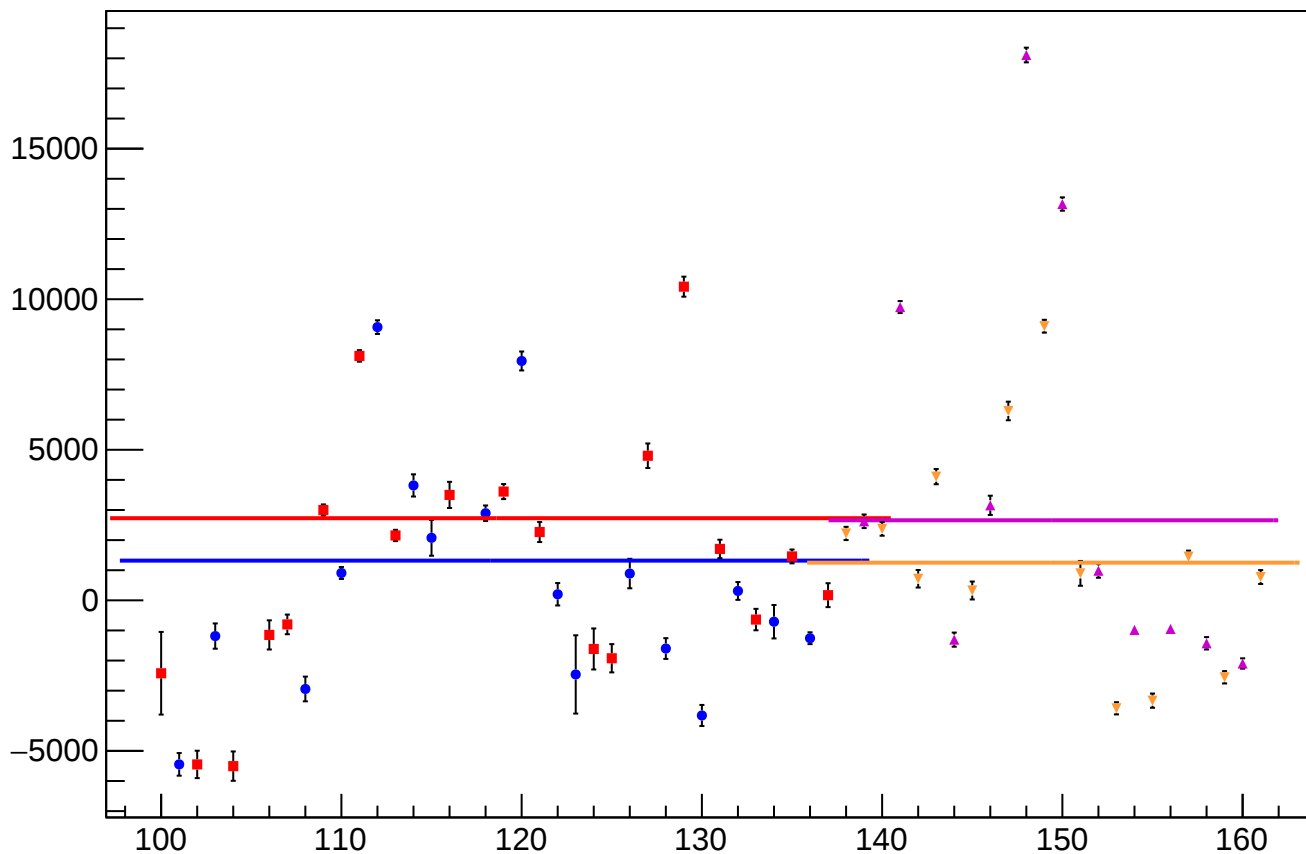
Right Out: 166.393+/-0.046 χ^2/NDF : 929534.5/18

Left In: 169.783+/-0.042 χ^2/NDF : 674315.8/10

185.523+/-0.034 χ^2/NDF : 1381883.4/29

168.256+/-0.031 χ^2/NDF : 1606774.0/29

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1250.896+/-66.362 χ^2/NDF : 3103.5/12

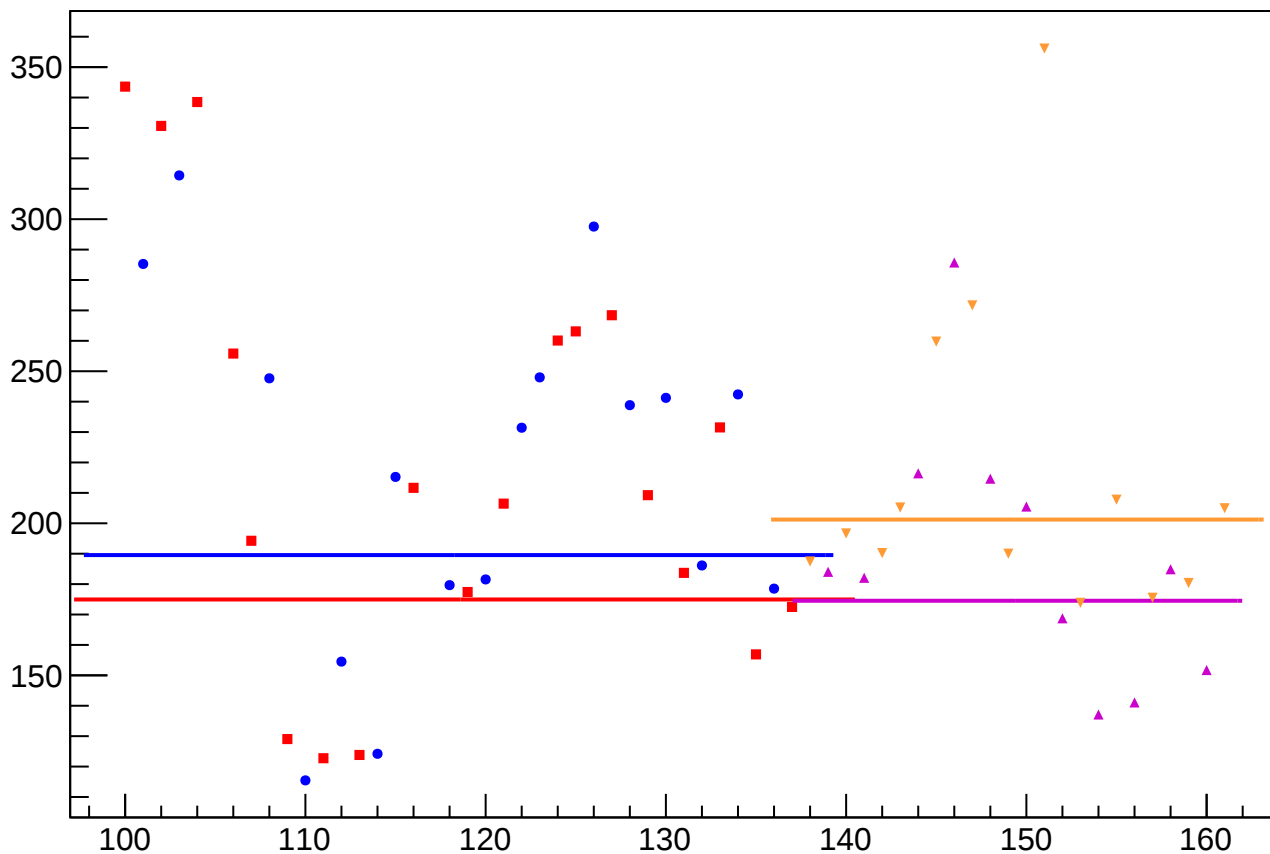
Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

Left In: 2658.609+/-61.171 χ^2/NDF : 10088.1/10

1279.863+/-50.309 χ^2/NDF : 5771.0/29

2688.553+/-46.070 χ^2/NDF : 12584.6/29

asym_bpm0i05WS_rms vs Slug



Right In: 189.544+/-0.055 χ^2/NDF : 980744.6/16

Left Out: 201.227+/-0.047 χ^2/NDF : 573454.3/12

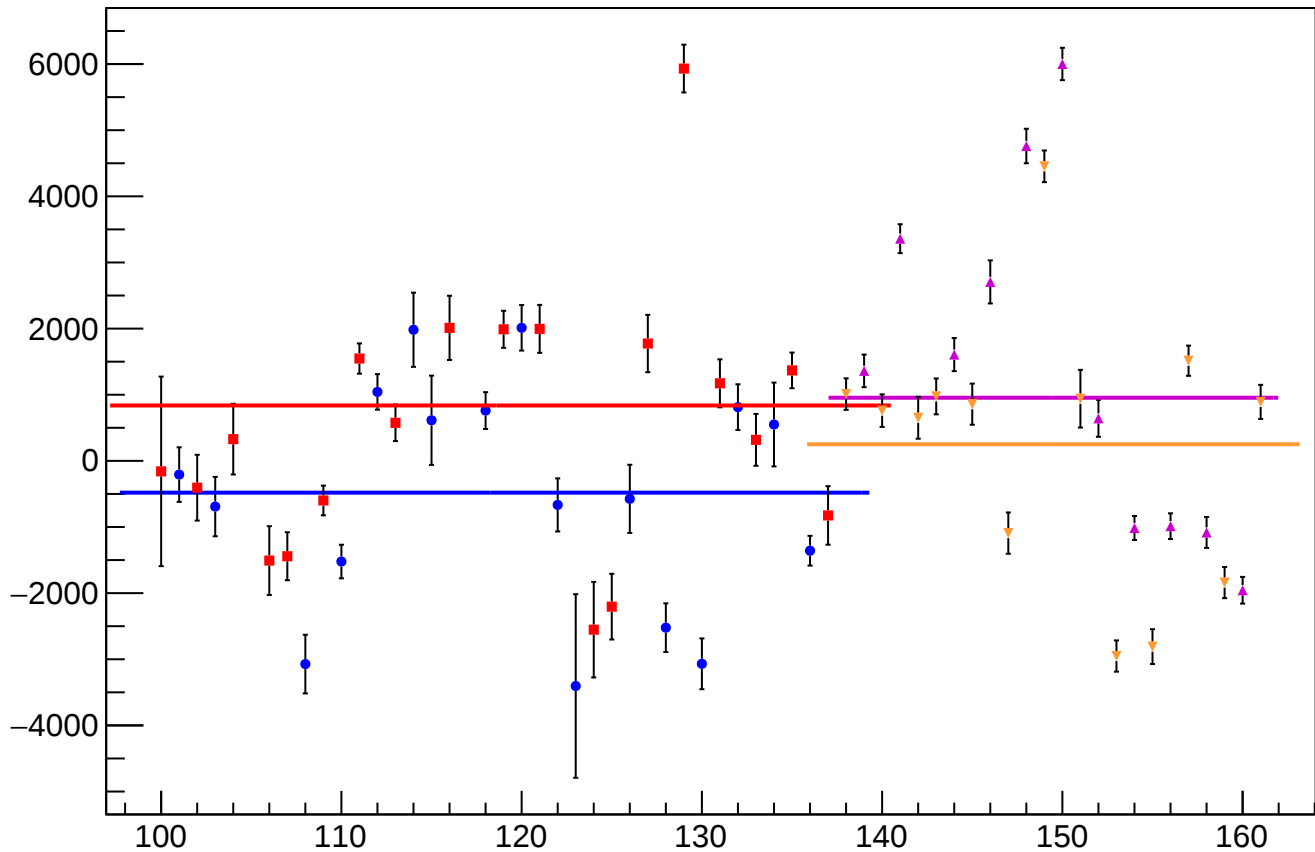
Right Out: 174.944+/-0.050 χ^2/NDF : 1297106.6/18

Left In: 174.526+/-0.043 χ^2/NDF : 653551.1/10

196.259+/-0.036 χ^2/NDF : 1580560.0/29

174.706+/-0.033 χ^2/NDF : 1950698.2/29

asym_bpm0i07WS_mean vs Slug



Right In: -480.578+/-88.640 χ^2/NDF : 290.7/16

Left Out: 250.995+/-73.401 χ^2/NDF : 790.3/12

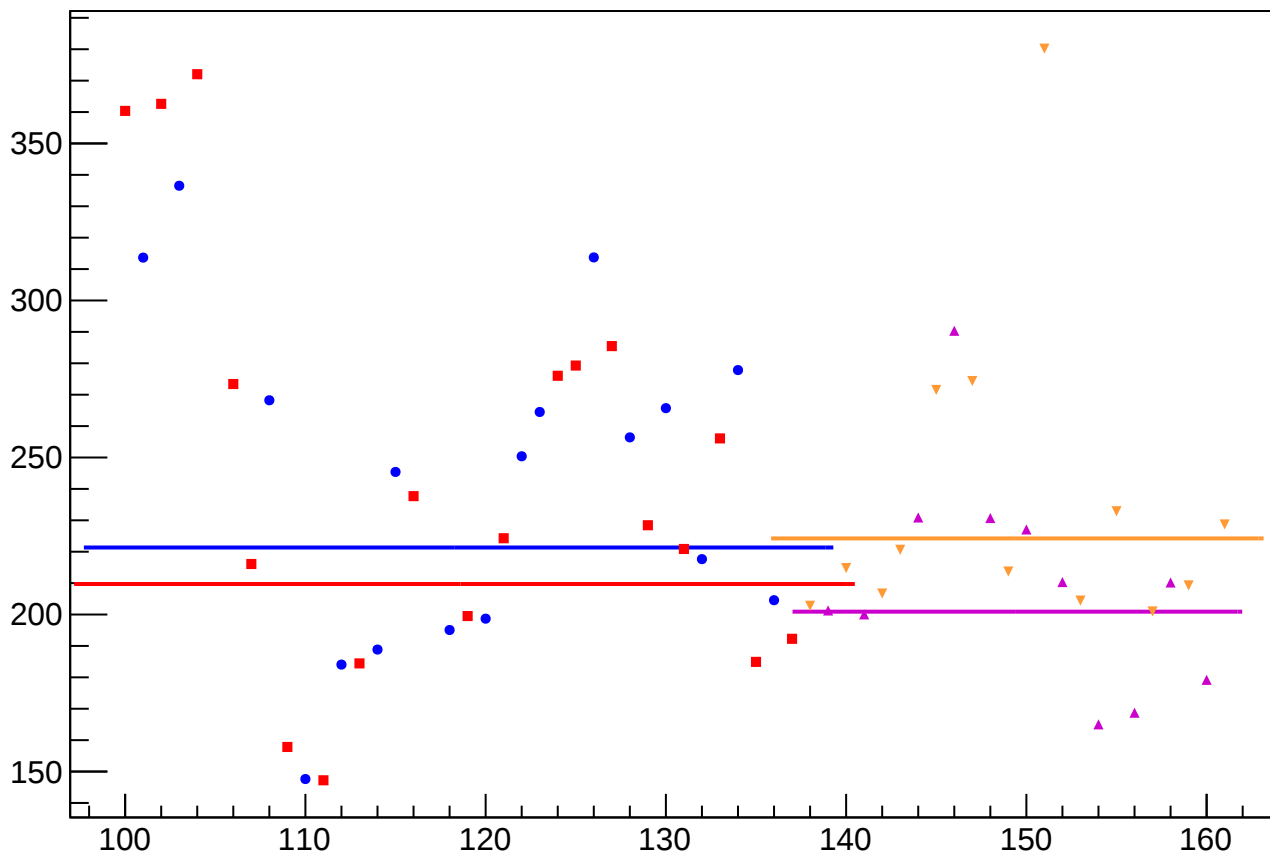
Right Out: 837.442+/-82.243 χ^2/NDF : 435.3/18

Left In: 954.509+/-69.527 χ^2/NDF : 1300.9/10

-46.594+/-56.534 χ^2/NDF : 1121.4/29

905.716+/-53.096 χ^2/NDF : 1737.4/29

asym_bpm0i07WS_rms vs Slug



Right In: 221.342+/-0.063 χ^2/NDF : 645688.1/16

Left Out: 224.239+/-0.052 χ^2/NDF : 428532.6/12

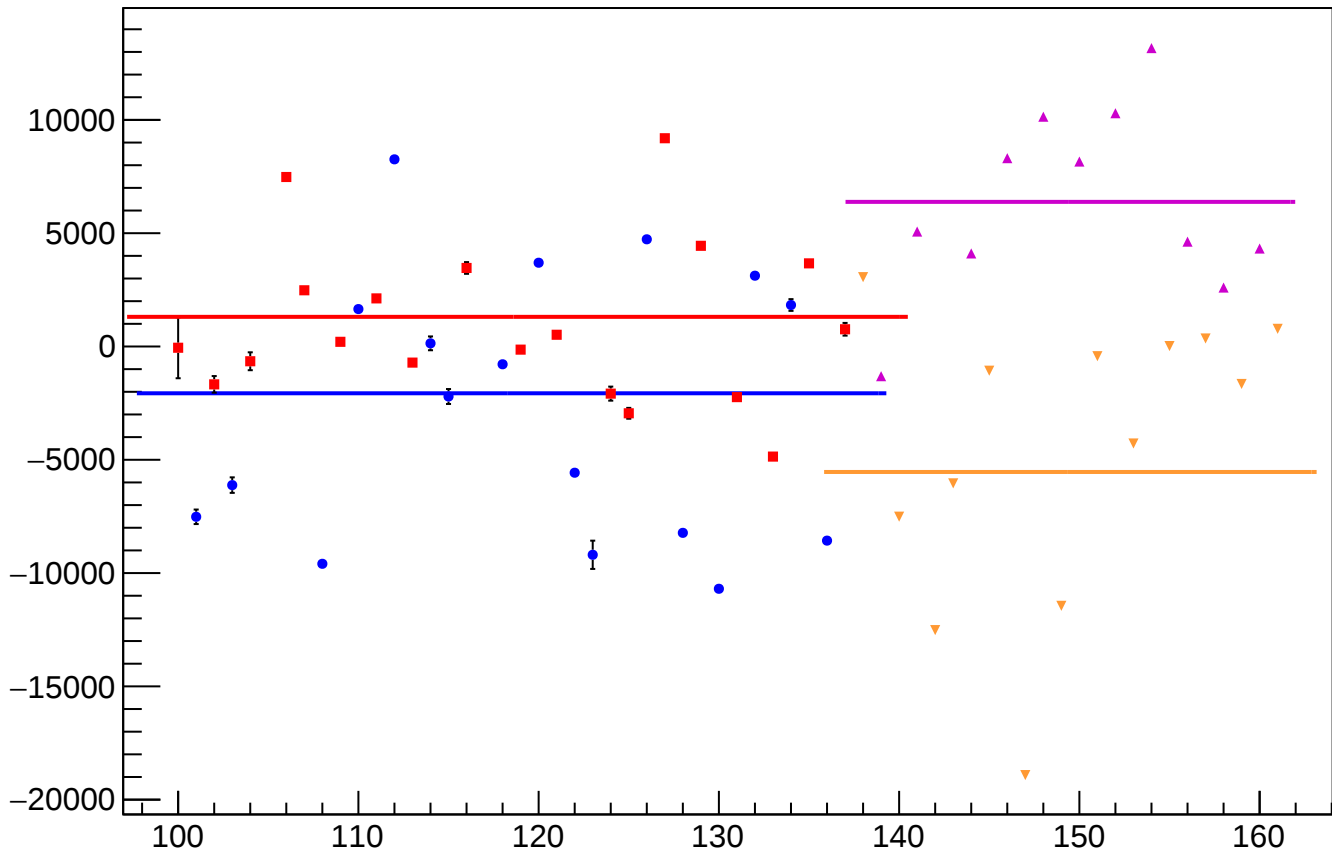
Right Out: 209.717+/-0.058 χ^2/NDF : 883917.7/18

Left In: 200.908+/-0.049 χ^2/NDF : 390712.8/10

223.061+/-0.040 χ^2/NDF : 1075487.9/29

204.579+/-0.038 χ^2/NDF : 1288010.7/29

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -5537.962 ± 39.110 $\chi^2/\text{NDF}: 28139.2/12$

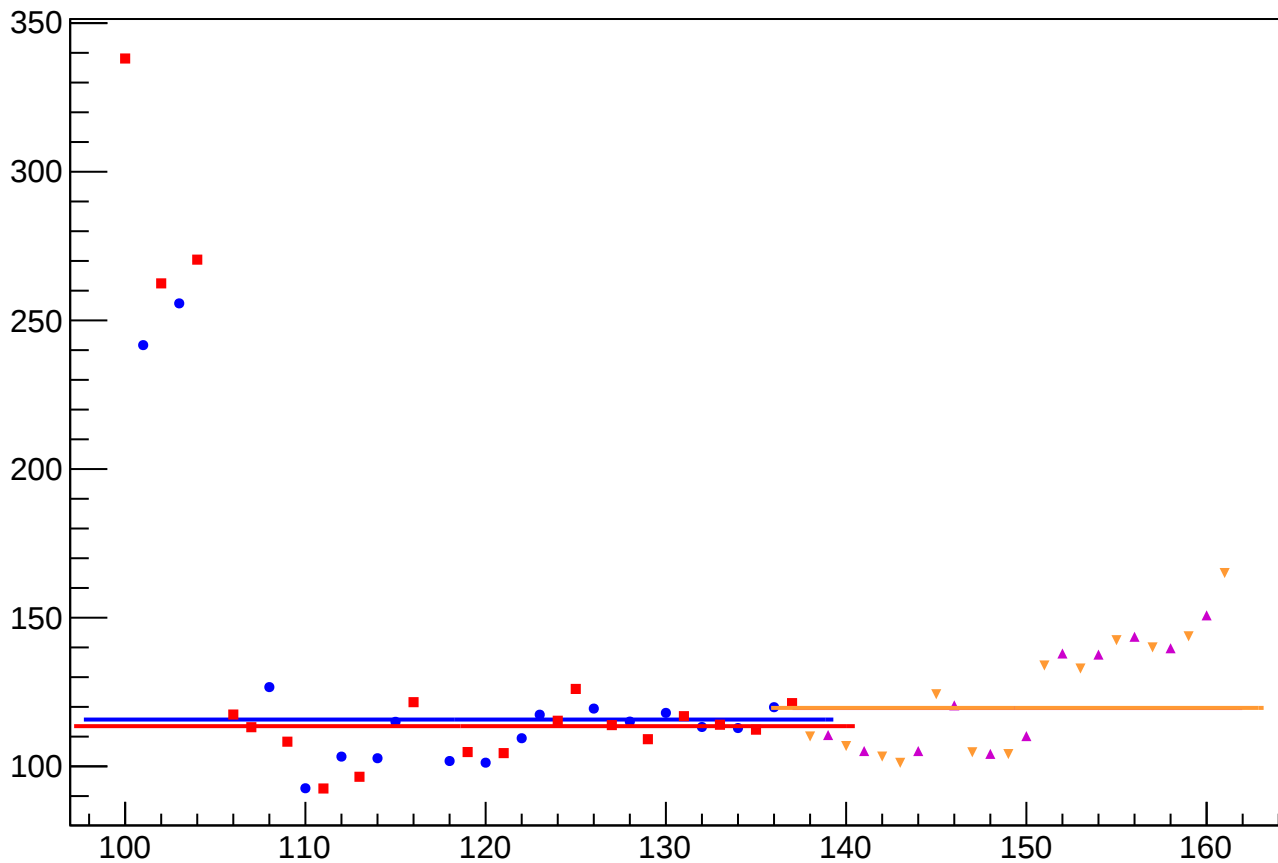
Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

Left In: 6382.594 ± 40.755 $\chi^2/\text{NDF}: 8664.2/10$

-4128.546 ± 30.147 $\chi^2/\text{NDF}: 47872.3/29$

4096.179 ± 30.208 $\chi^2/\text{NDF}: 21543.4/29$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 119.657+/-0.028 χ^2/NDF : 436390.0/12

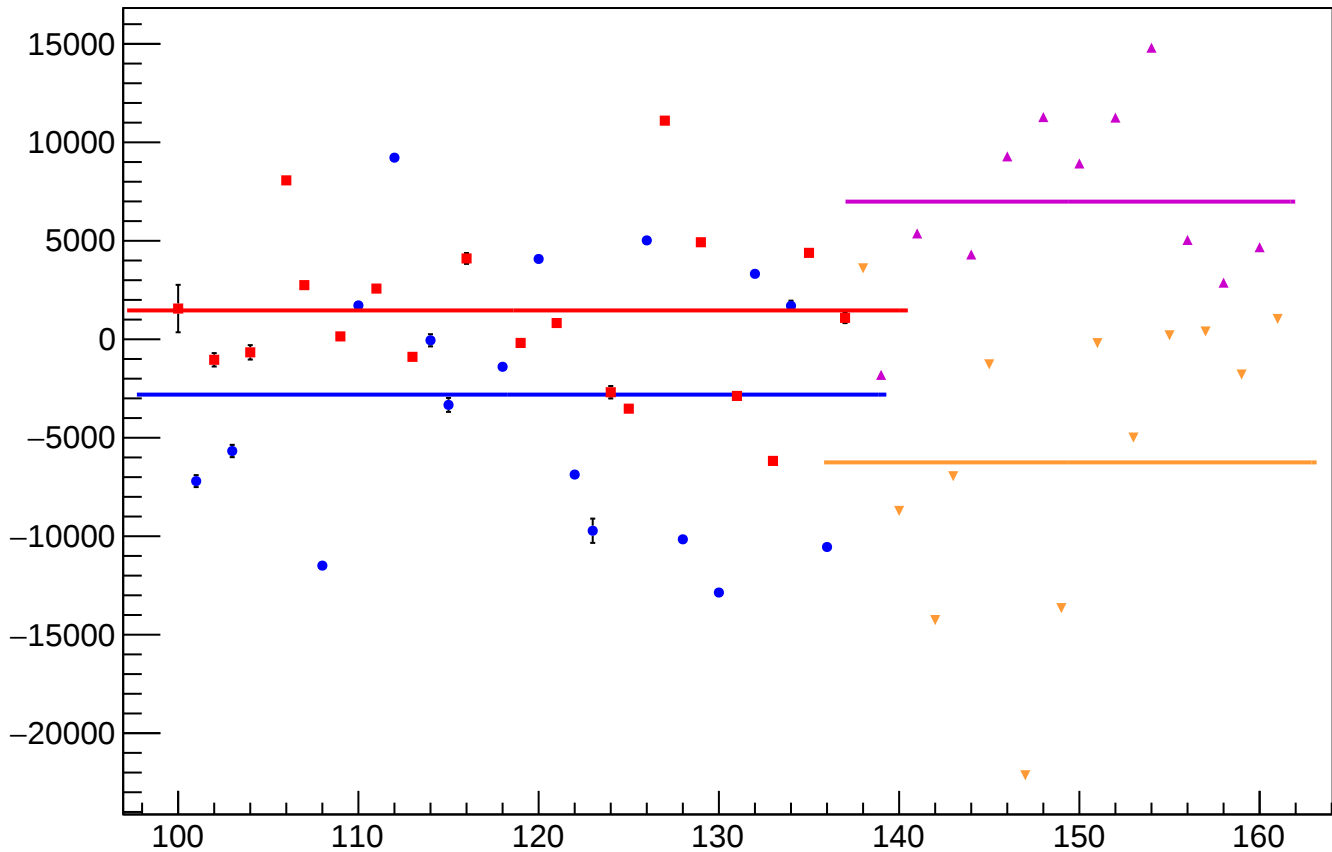
Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

Left In: 119.613+/-0.029 χ^2/NDF : 320453.7/10

118.068+/-0.021 χ^2/NDF : 1188547.6/29

116.867+/-0.021 χ^2/NDF : 1137245.9/29

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101 ± 48.284 $\chi^2/\text{NDF}: 21263.1/16$

Left Out: -6251.194 ± 41.555 $\chi^2/\text{NDF}: 33963.7/12$

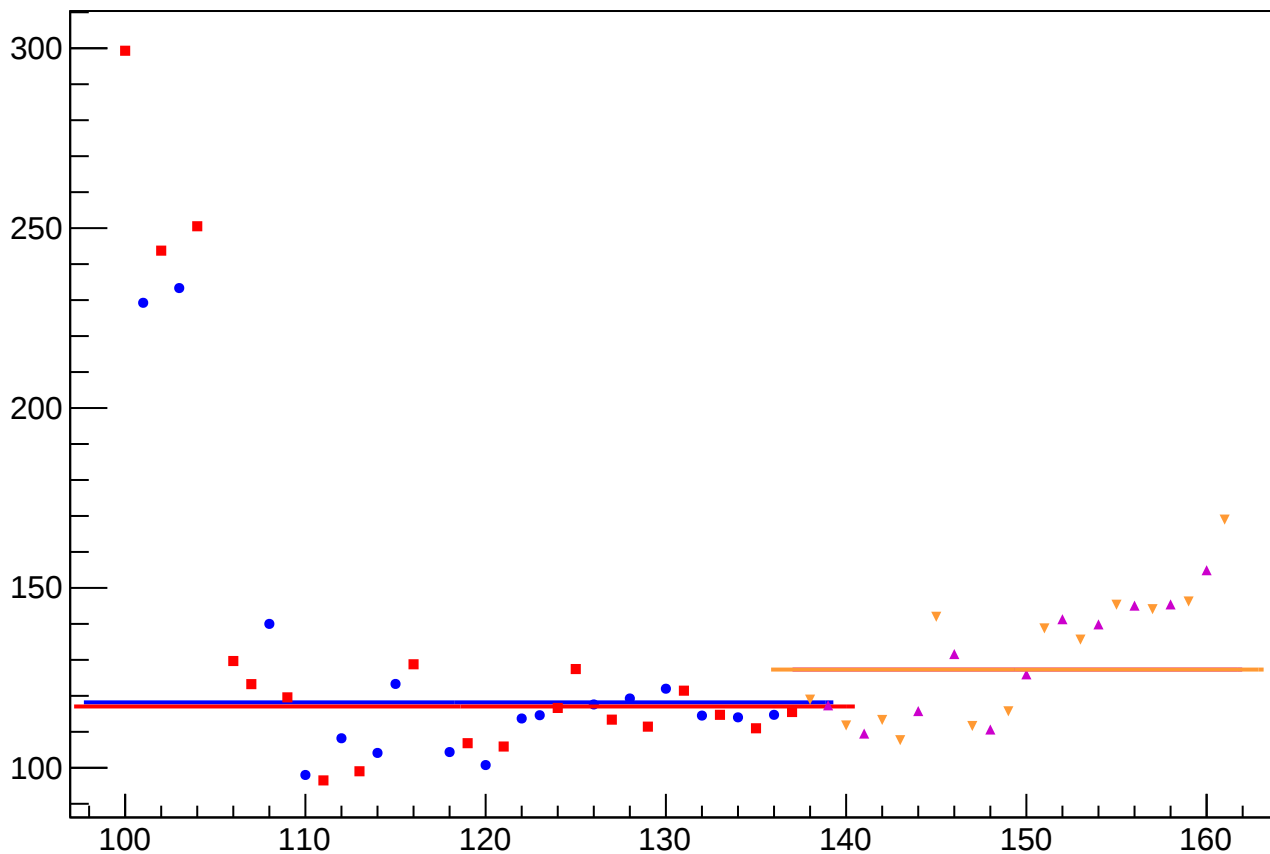
Right Out: 1465.074 ± 46.394 $\chi^2/\text{NDF}: 8004.7/18$

Left In: 6989.914 ± 43.327 $\chi^2/\text{NDF}: 10187.5/10$

-4786.544 ± 31.497 $\chi^2/\text{NDF}: 58146.4/29$

4416.184 ± 31.666 $\chi^2/\text{NDF}: 25767.0/29$

asym_bpm2i01WS_rms vs Slug



Right In: 118.188+/-0.034 χ^2/NDF : 636252.0/16

Left Out: 127.305+/-0.029 χ^2/NDF : 337748.8/12

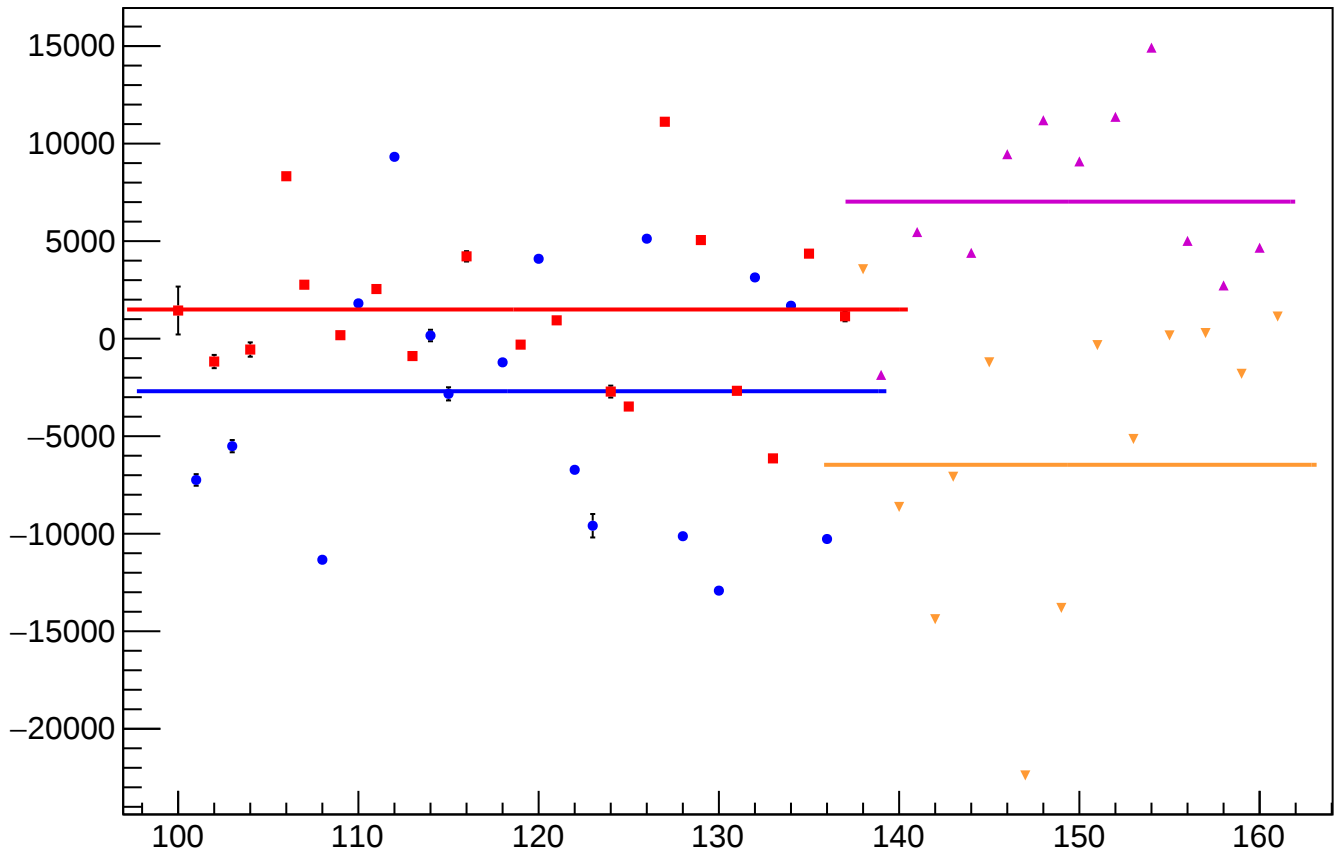
Right Out: 117.046+/-0.033 χ^2/NDF : 690635.5/18

Left In: 127.307+/-0.031 χ^2/NDF : 234487.1/10

123.426+/-0.022 χ^2/NDF : 1014962.5/29

122.527+/-0.022 χ^2/NDF : 977383.8/29

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 ± 46.347 $\chi^2/\text{NDF}: 22860.3/16$

Left Out: -6466.227 ± 40.489 $\chi^2/\text{NDF}: 37125.2/12$

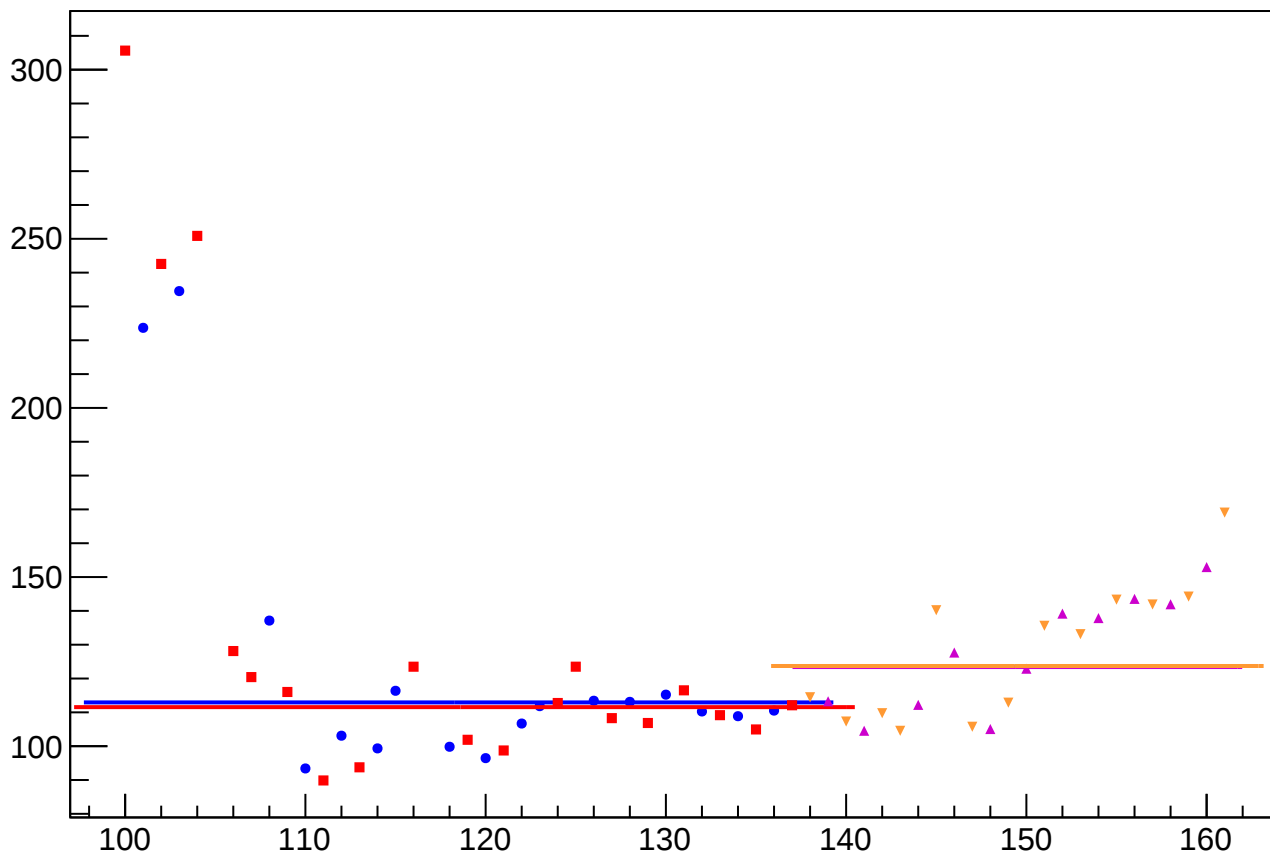
Right Out: 1495.744 ± 44.445 $\chi^2/\text{NDF}: 8717.2/18$

Left In: 7024.608 ± 42.109 $\chi^2/\text{NDF}: 10962.7/10$

-4833.566 ± 30.492 $\chi^2/\text{NDF}: 63742.1/29$

4409.263 ± 30.568 $\chi^2/\text{NDF}: 27834.7/29$

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 ± 0.033 χ^2/NDF : 680283.1/16

Left Out: 123.704 ± 0.029 χ^2/NDF : 399782.0/12

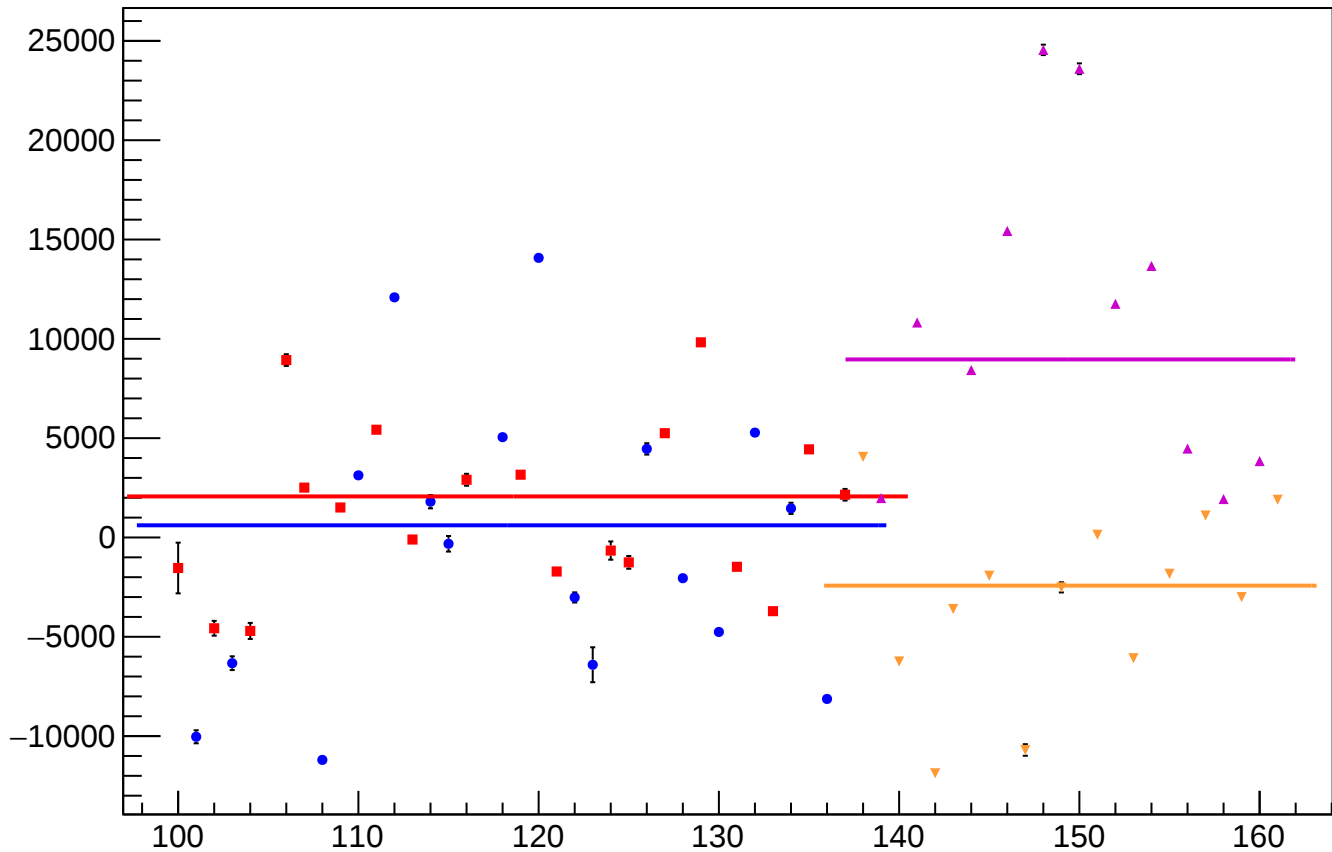
Right Out: 111.544 ± 0.031 χ^2/NDF : 765502.6/18

Left In: 123.394 ± 0.030 χ^2/NDF : 285539.0/10

119.045 ± 0.022 χ^2/NDF : 1141247.0/29

117.788 ± 0.022 χ^2/NDF : 1125971.6/29

asym_bpm0i01WS_mean vs Slug



Right In: 612.621 ± 56.062 χ^2/NDF : 18243.4/16

Left Out: -2425.073 ± 49.976 χ^2/NDF : 6640.8/12

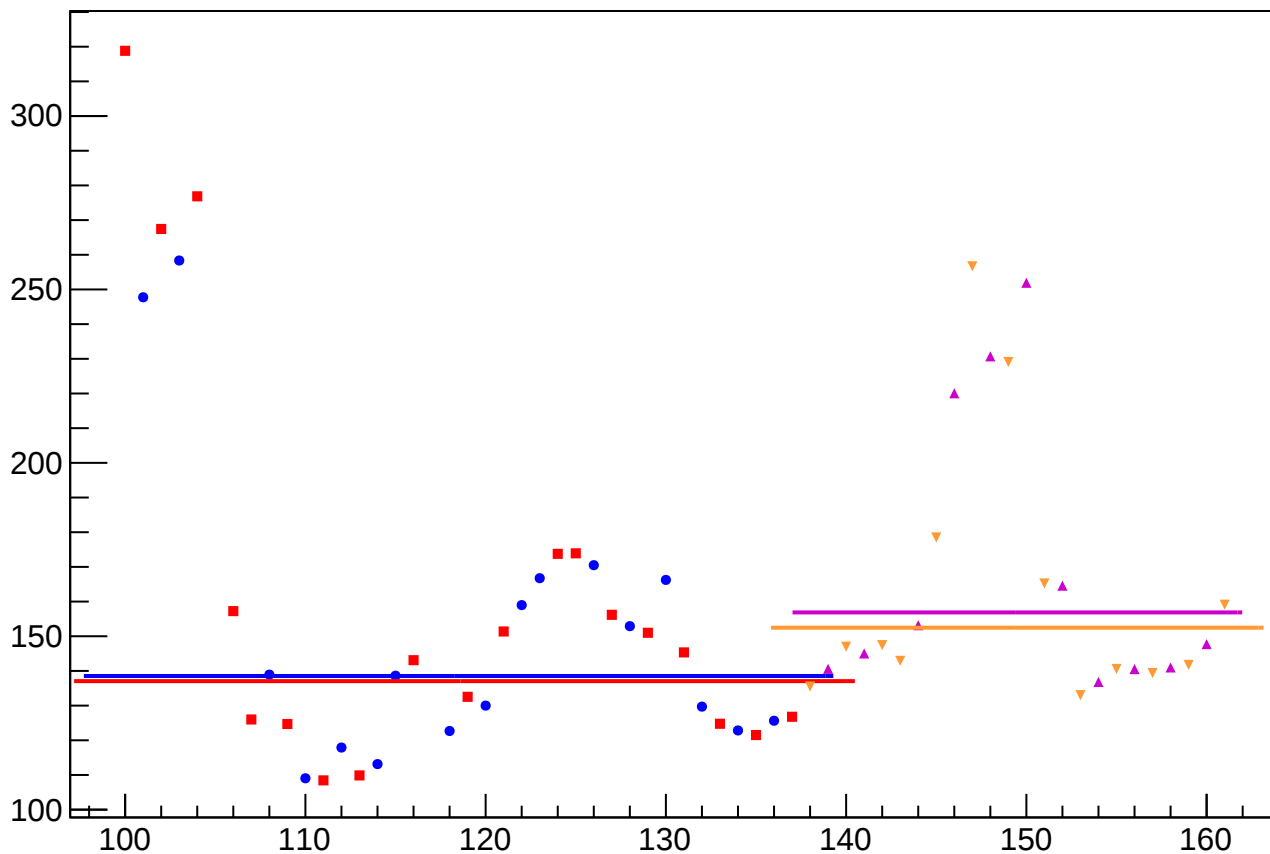
Right Out: 2067.410 ± 53.931 χ^2/NDF : 4642.7/18

Left In: 8963.170 ± 54.051 χ^2/NDF : 13854.2/10

-1079.983 ± 37.305 χ^2/NDF : 26520.2/29

5507.615 ± 38.177 χ^2/NDF : 26653.2/29

asym_bpm0i01WS_rms vs Slug



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 152.472 $\pm$ 0.035 χ^2 /NDF: 578515.4/12

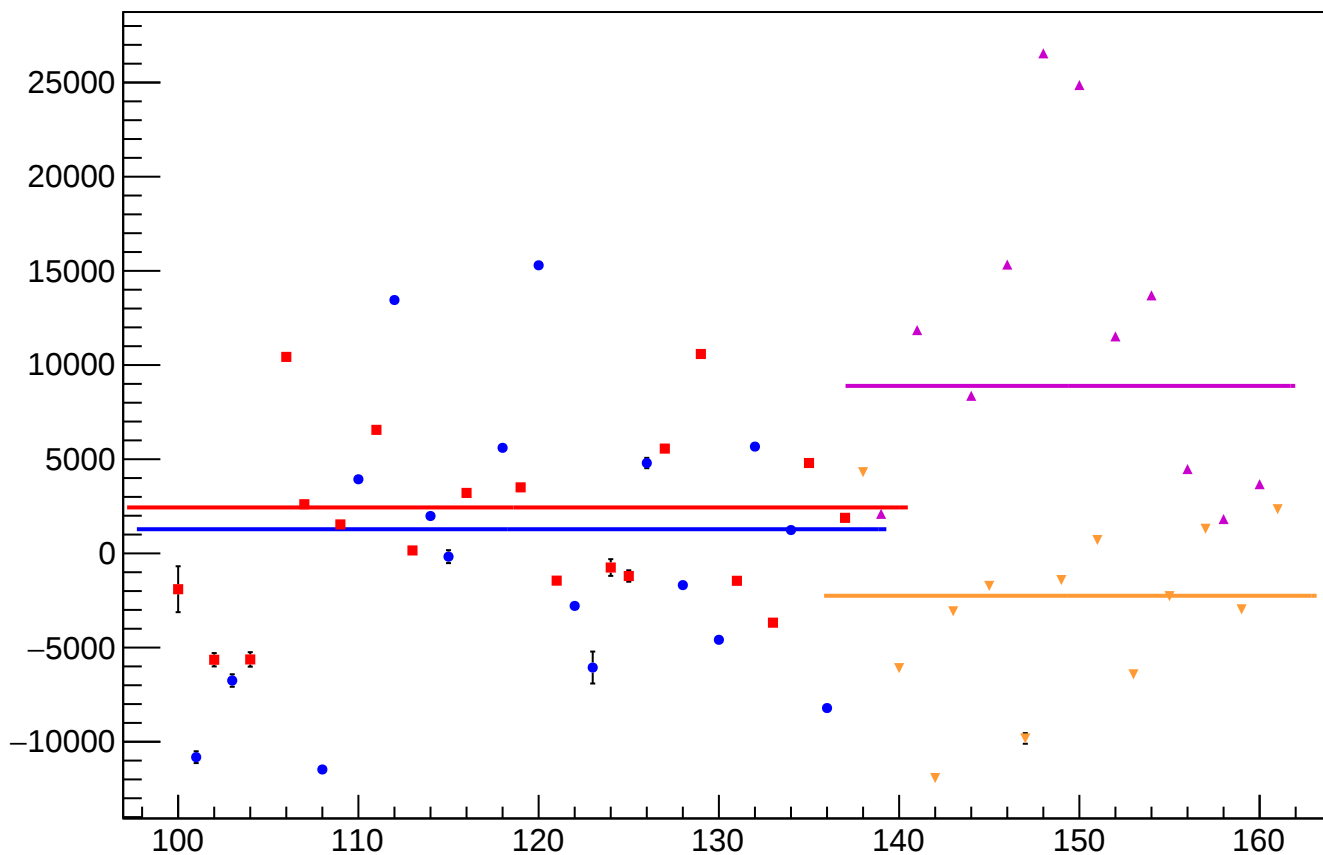
Right Out: 137.061 $\pm$ 0.038 χ^2 /NDF: 755491.9/18

Left In: 156.873 $\pm$ 0.038 χ^2 /NDF: 654300.3/10

146.304 $\pm$ 0.026 χ^2 /NDF: 1316262.0/29

146.945 $\pm$ 0.027 χ^2 /NDF: 1544449.0/29

asym_bpm0i01aWS_mean vs Slug



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -2249.180+/-44.306 χ^2/NDF : 8921.2/12

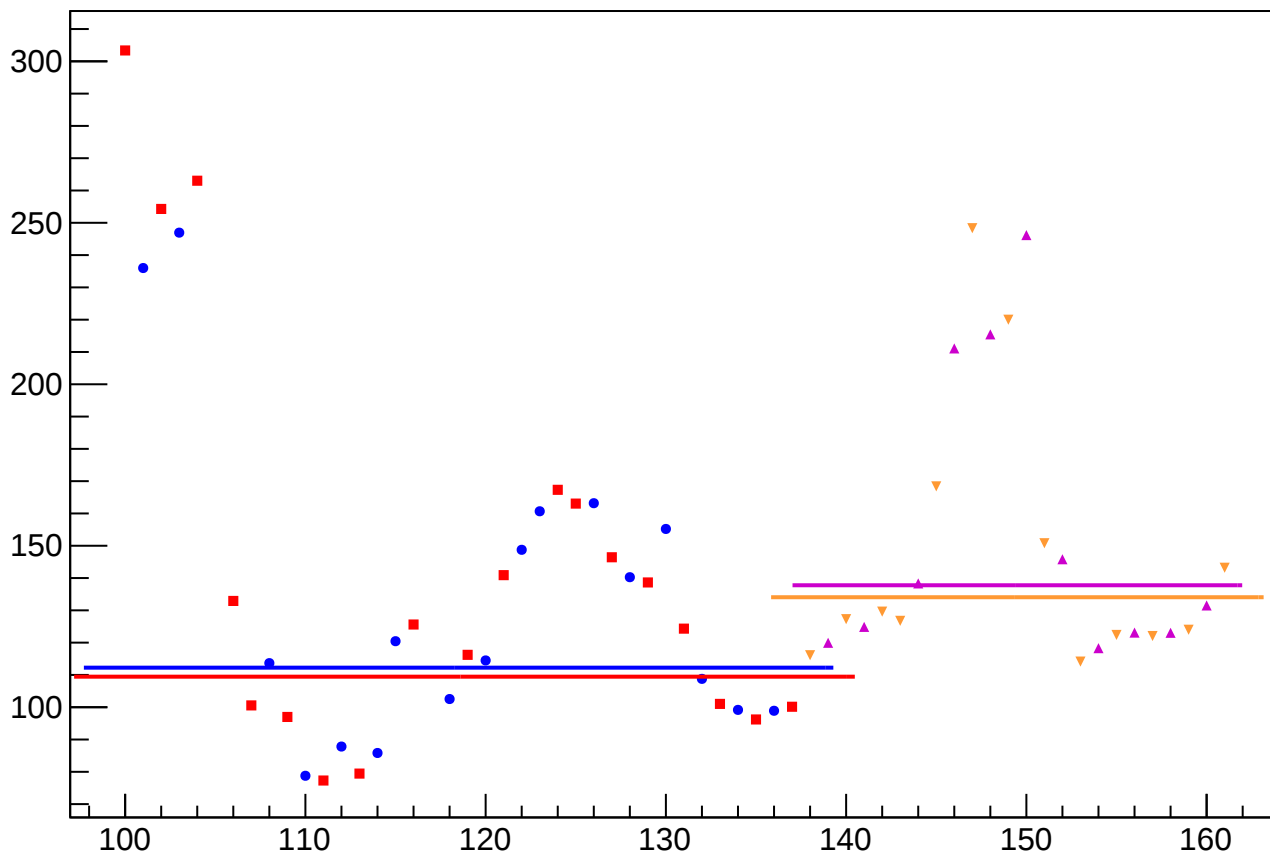
Right Out: 2440.256+/-44.286 χ^2/NDF : 7677.5/18

Left In: 8893.270+/-47.983 χ^2/NDF : 18533.9/10

-571.113+/-32.100 χ^2/NDF : 42481.4/29

5408.643+/-32.543 χ^2/NDF : 35978.2/29

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251 ± 0.033 χ^2/NDF : 1125537.4/16

Left Out: 134.058 ± 0.031 χ^2/NDF : 791273.5/12

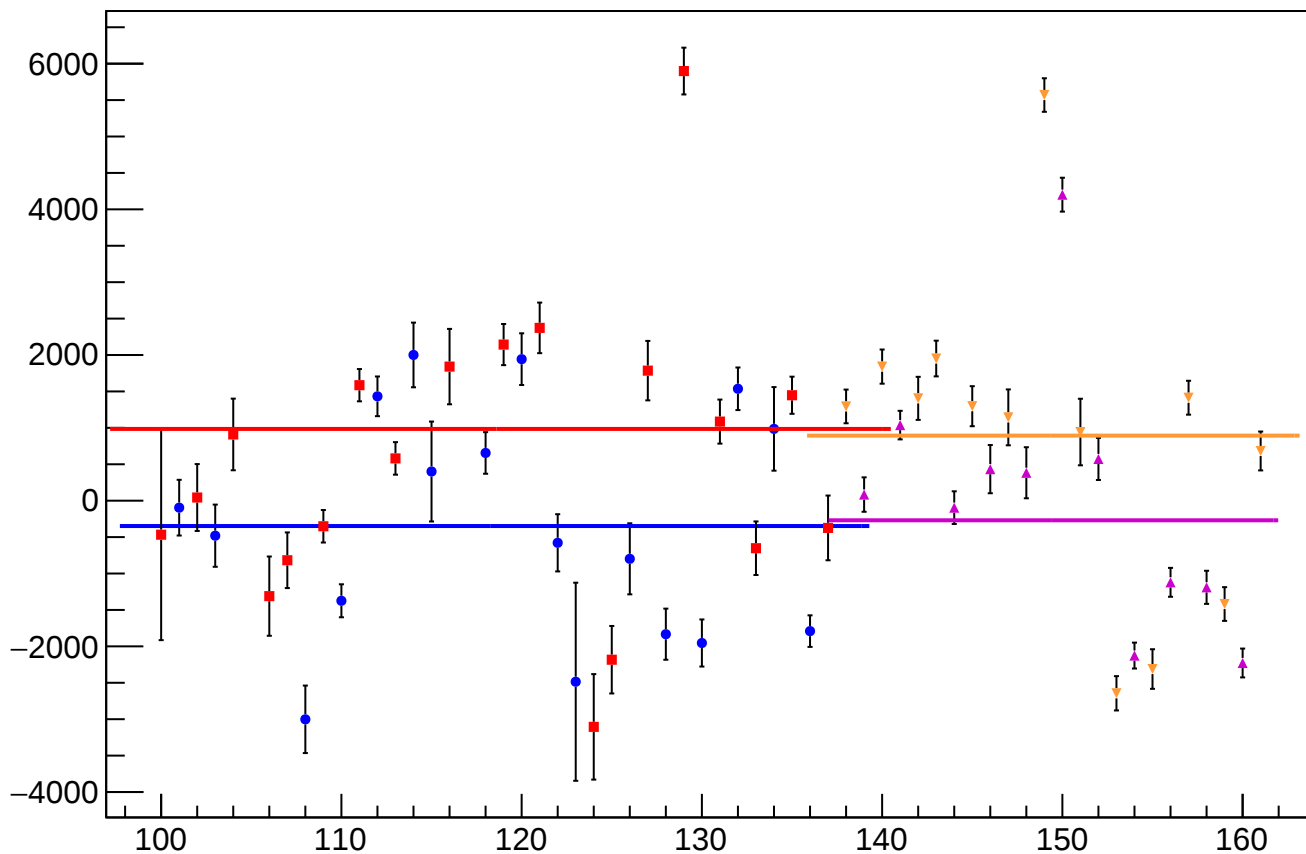
Right Out: 109.460 ± 0.031 χ^2/NDF : 1269633.4/18

Left In: 137.767 ± 0.034 χ^2/NDF : 871859.4/10

123.698 ± 0.023 χ^2/NDF : 2146987.1/29

122.481 ± 0.023 χ^2/NDF : 2517353.9/29

asym_bpm0l01WS_mean vs Slug



Right In: -348.055 ± 83.826 χ^2/NDF : 317.3/16

Left Out: 893.477 ± 72.291 χ^2/NDF : 925.6/12

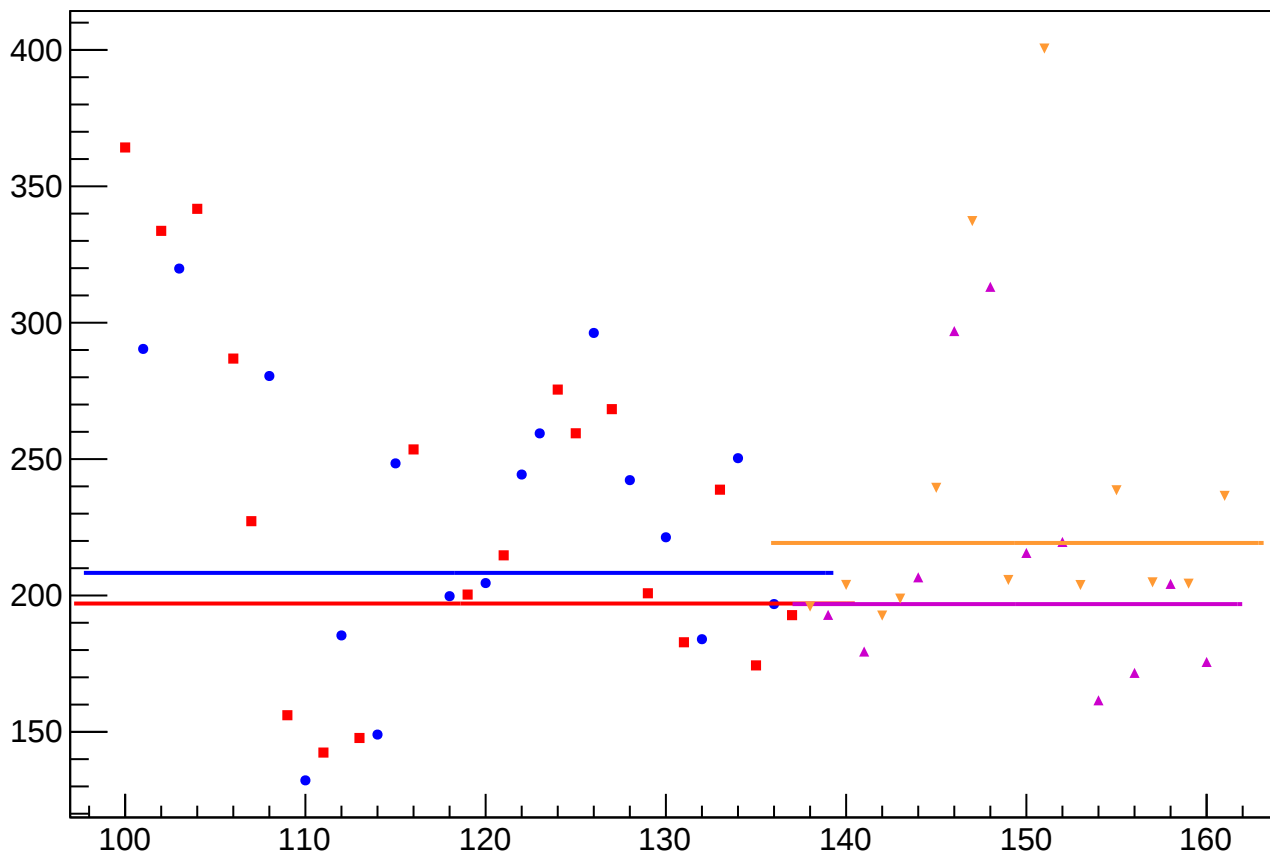
Right Out: 985.242 ± 77.683 χ^2/NDF : 476.6/18

Left In: -269.155 ± 68.461 χ^2/NDF : 674.8/10

363.950 ± 54.745 χ^2/NDF : 1368.7/29

279.201 ± 51.362 χ^2/NDF : 1298.1/29

asym_bpm0l01WS_rms vs Slug



Right In: 208.288+/-0.059 χ^2/NDF : 698491.0/16

Left Out: 219.261+/-0.051 χ^2/NDF : 623545.0/12

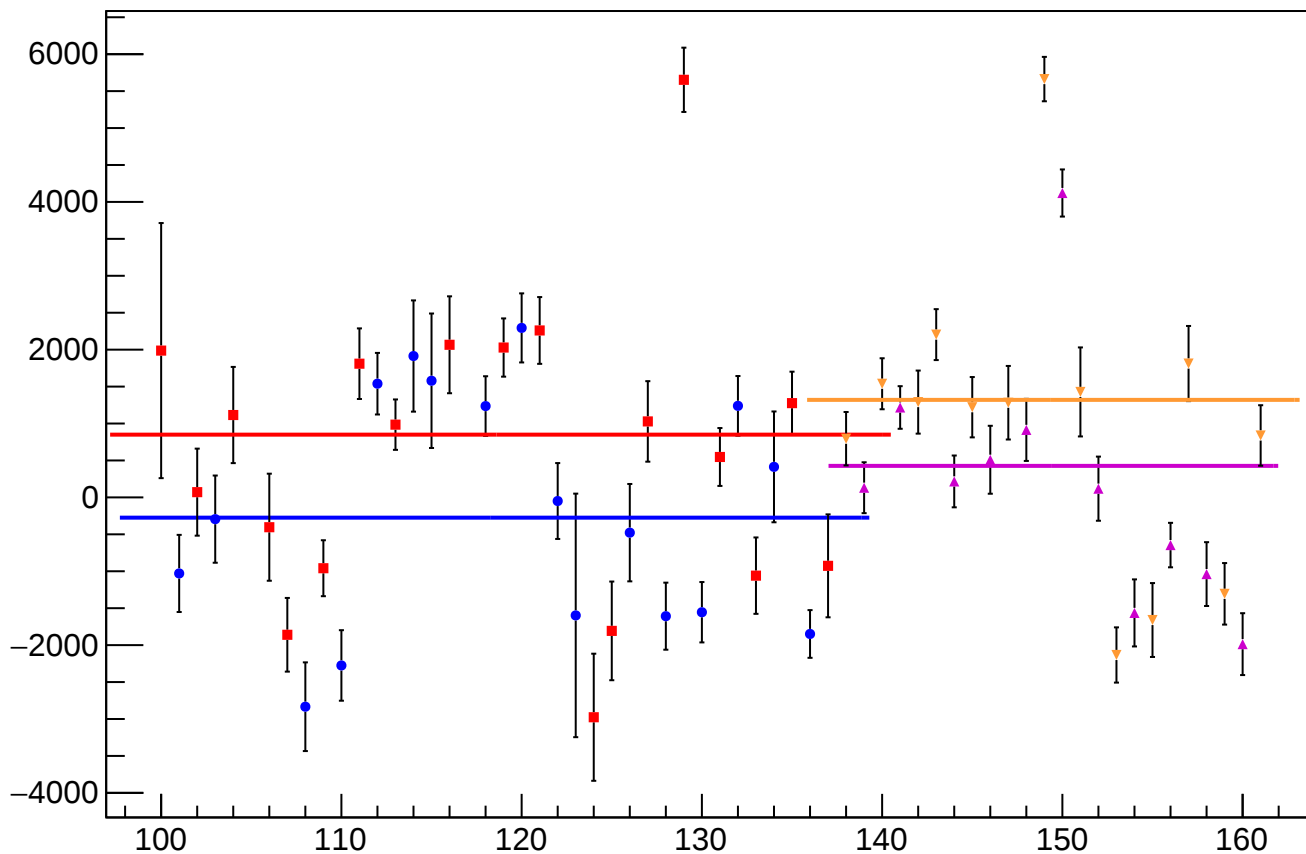
Right Out: 197.051+/-0.055 χ^2/NDF : 926786.6/18

Left In: 196.843+/-0.048 χ^2/NDF : 584793.3/10

214.581+/-0.039 χ^2/NDF : 1341692.7/29

196.934+/-0.036 χ^2/NDF : 1511588.0/29

asym_bpm0l02WS_mean vs Slug



Right In: -274.260 ± 121.326 $\chi^2/\text{NDF}: 171.6/16$

Left Out: 1320.163 ± 111.433 $\chi^2/\text{NDF}: 380.9/12$

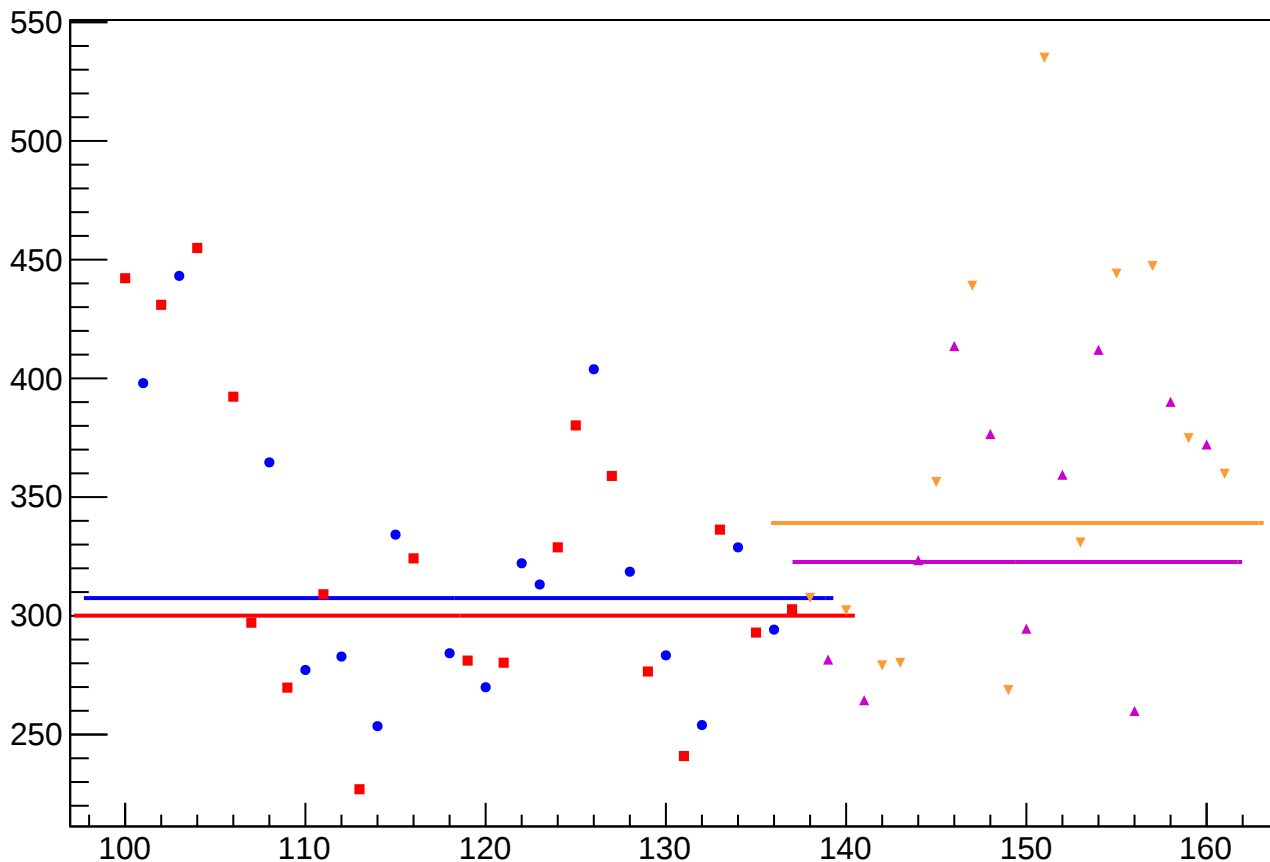
Right Out: 849.413 ± 115.349 $\chi^2/\text{NDF}: 263.3/18$

Left In: 426.726 ± 111.082 $\chi^2/\text{NDF}: 221.2/10$

590.597 ± 82.070 $\chi^2/\text{NDF}: 646.2/29$

630.107 ± 80.013 $\chi^2/\text{NDF}: 491.4/29$

asym_bpm0l02WS_rms vs Slug



Right In: 307.468 ± 0.086 χ^2/NDF : 323096.7/16

Left Out: 339.094 ± 0.079 χ^2/NDF : 740566.3/12

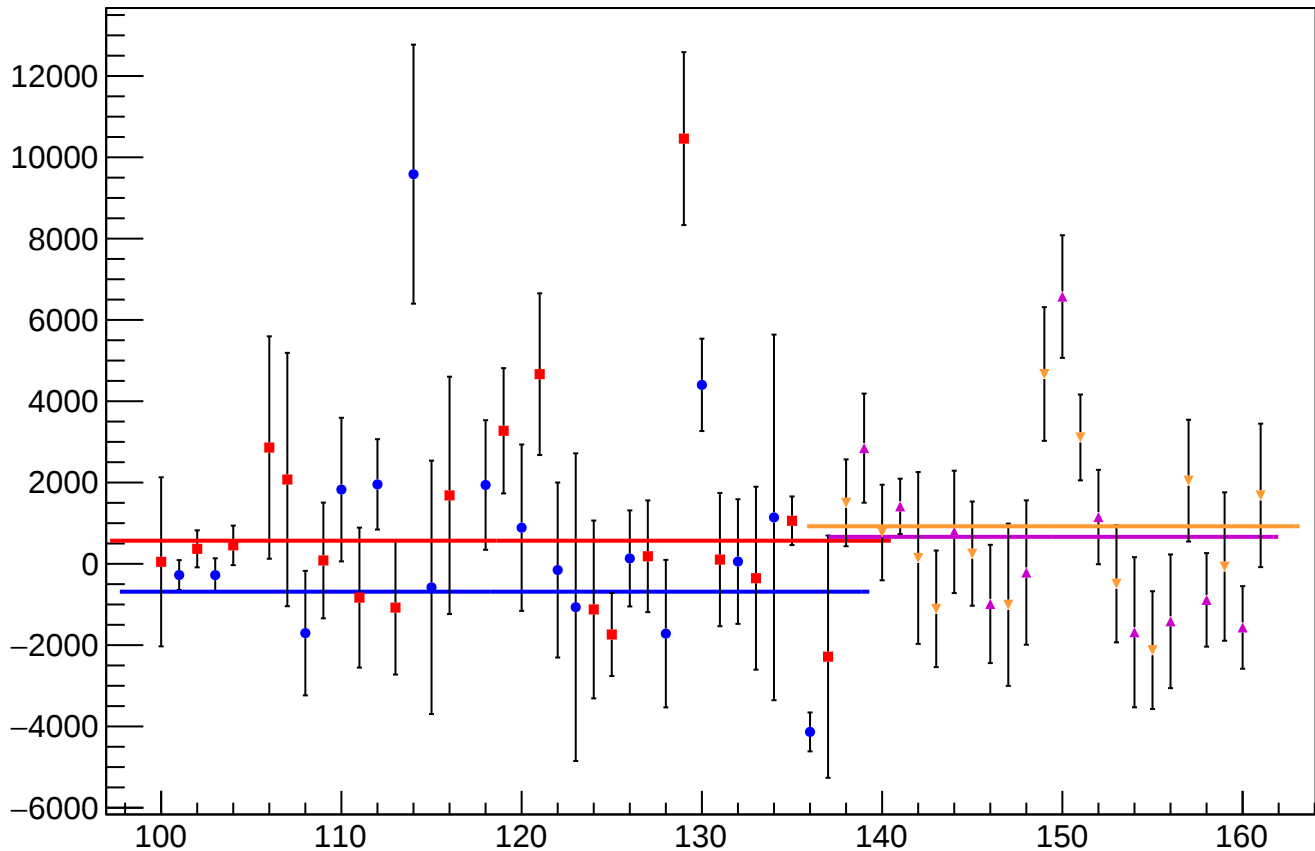
Right Out: 300.069 ± 0.082 χ^2/NDF : 490398.9/18

Left In: 322.670 ± 0.079 χ^2/NDF : 491982.6/10

324.623 ± 0.058 χ^2/NDF : 1137378.0/29

311.796 ± 0.057 χ^2/NDF : 1022217.3/29

asym_bpm0l03WS_mean vs Slug



Right In: -685.056+/-210.341 χ^2/NDF : 97.4/16

Left Out: 923.705+/-393.399 χ^2/NDF : 19.6/12

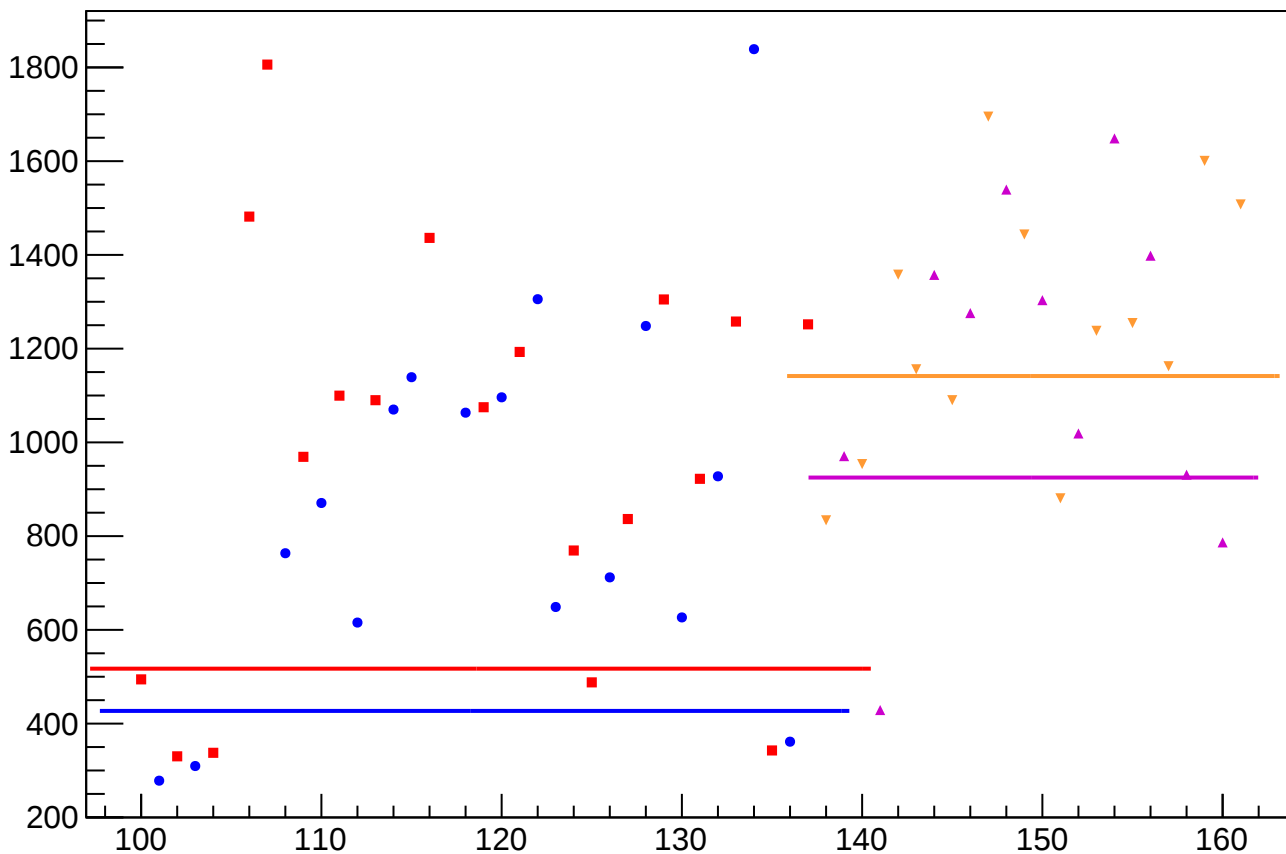
Right Out: 568.651+/-243.251 χ^2/NDF : 39.7/18

Left In: 663.600+/-364.812 χ^2/NDF : 30.8/10

-327.395+/-185.491 χ^2/NDF : 129.9/29

597.873+/-202.386 χ^2/NDF : 70.5/29

asym_bpm0l03WS_rms vs Slug



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 1141.584+/-0.278 χ^2/NDF : 819077.9/12

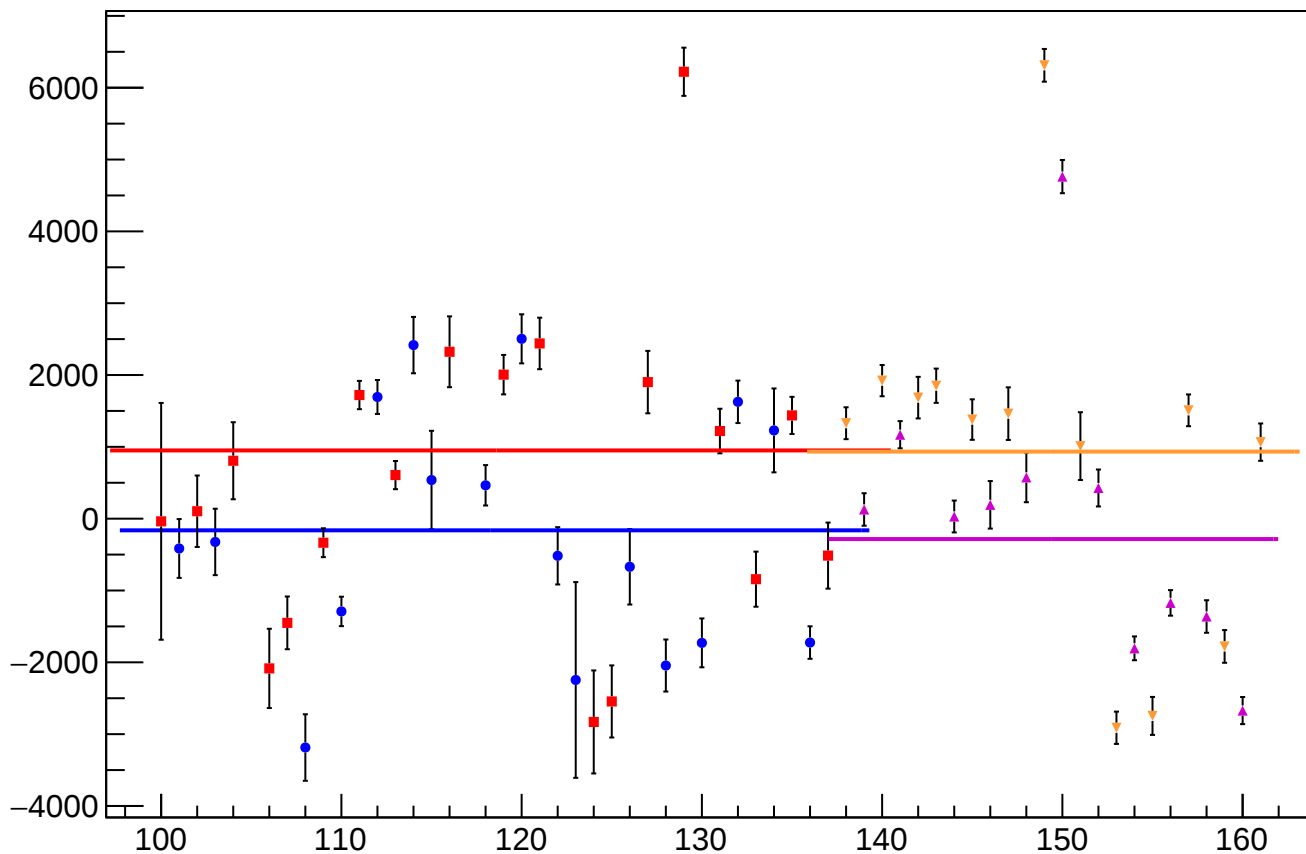
Right Out: 517.234+/-0.172 χ^2/NDF : 3605111.9/18

Left In: 924.965+/-0.258 χ^2/NDF : 2234623.4/10

585.928+/-0.131 χ^2/NDF : 8815416.4/29

642.721+/-0.143 χ^2/NDF : 7569110.9/29

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 χ^2/NDF : 387.6/16

Left Out: 933.880 ± 70.133 χ^2/NDF : 1241.3/12

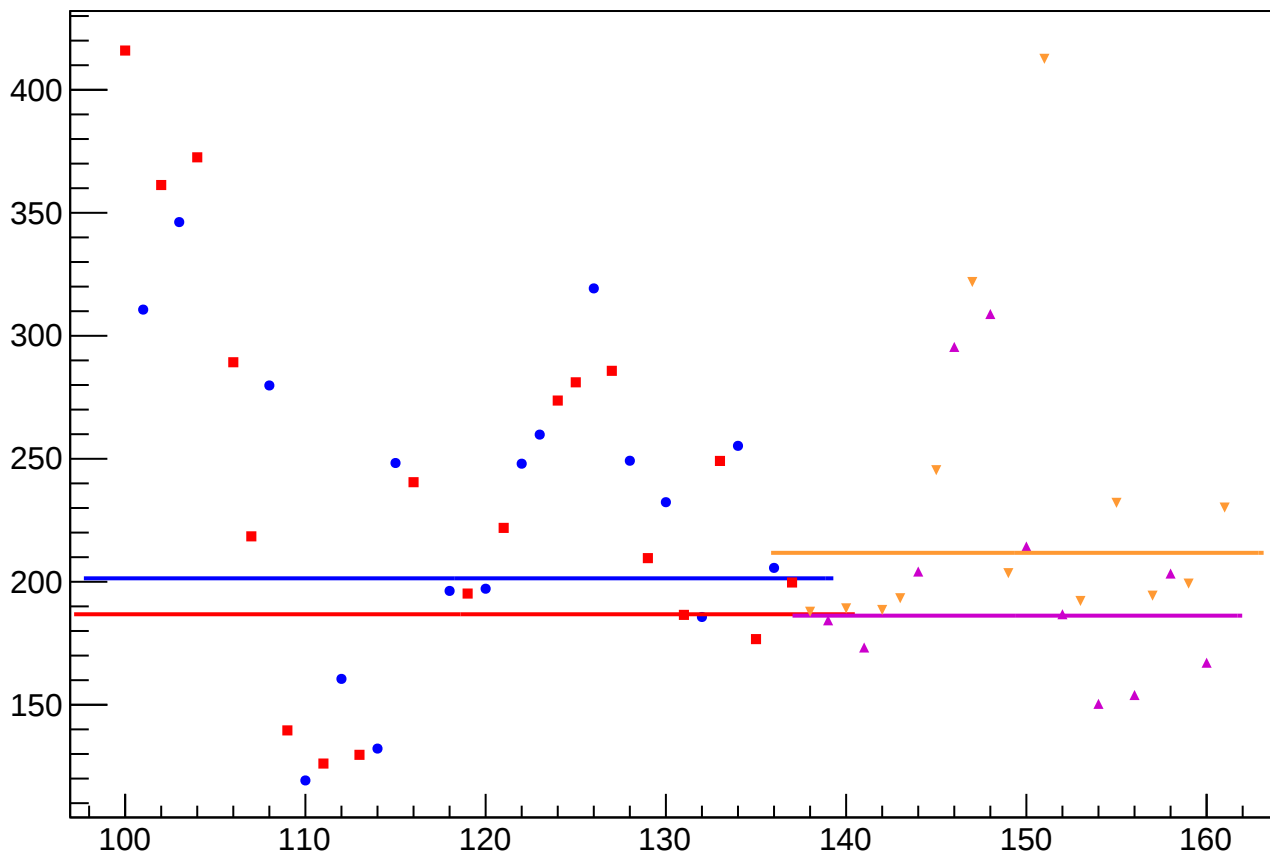
Right Out: 950.093 ± 75.133 χ^2/NDF : 539.8/18

Left In: -283.616 ± 65.304 χ^2/NDF : 847.3/10

473.046 ± 53.394 χ^2/NDF : 1731.5/29

247.309 ± 49.288 χ^2/NDF : 1540.7/29

asym_bpm0l04WS_rms vs Slug



Right In: 201.409+/-0.058 χ^2/NDF : 1056022.1/16

Left Out: 211.773+/-0.050 χ^2/NDF : 698911.5/12

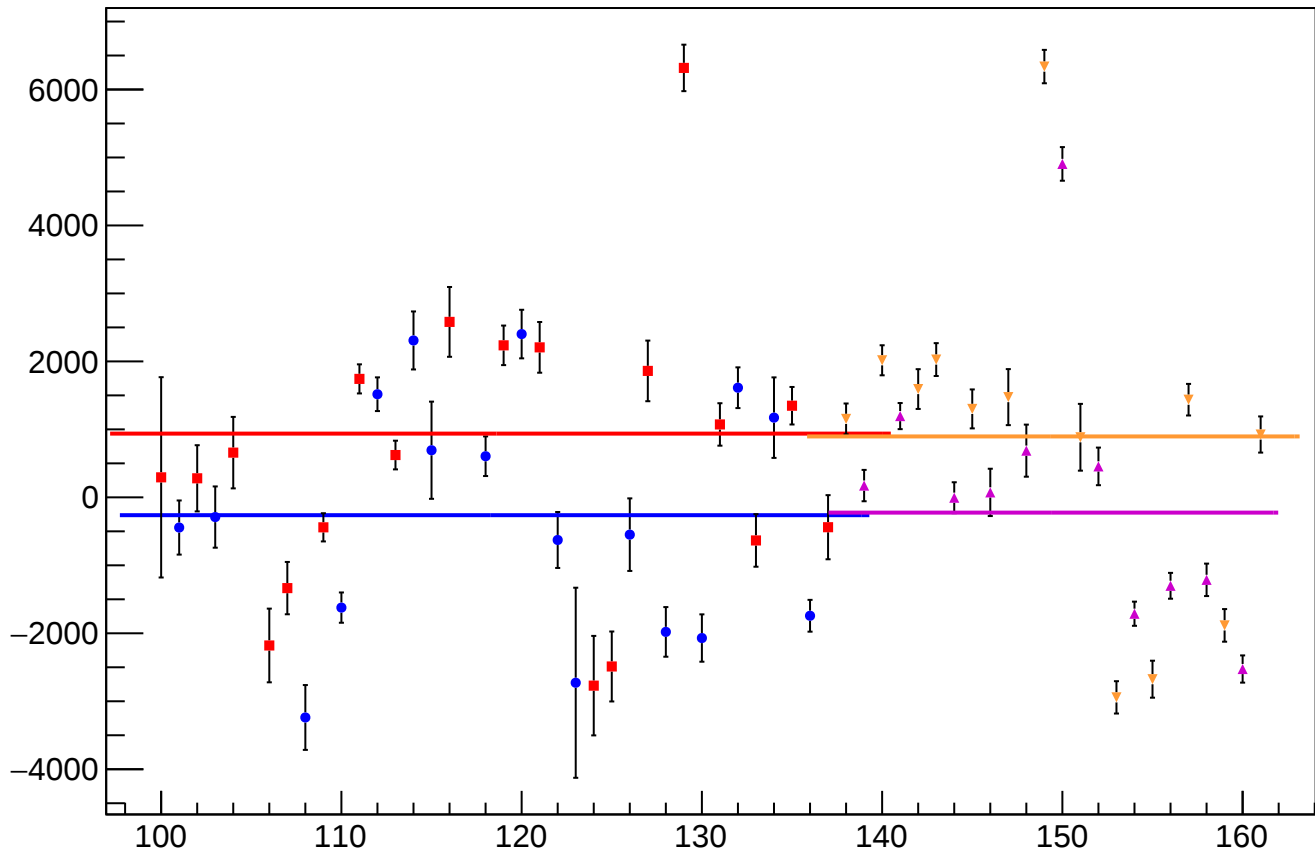
Right Out: 186.797+/-0.053 χ^2/NDF : 1393162.0/18

Left In: 186.234+/-0.046 χ^2/NDF : 713007.1/10

207.416+/-0.038 χ^2/NDF : 1773292.2/29

186.477+/-0.035 χ^2/NDF : 2106233.0/29

asym_bpm0l05WS_mean vs Slug



Right In: -262.324 ± 85.433 χ^2/NDF : 368.7/16

Left Out: 896.094 ± 72.784 χ^2/NDF : 1121.7/12

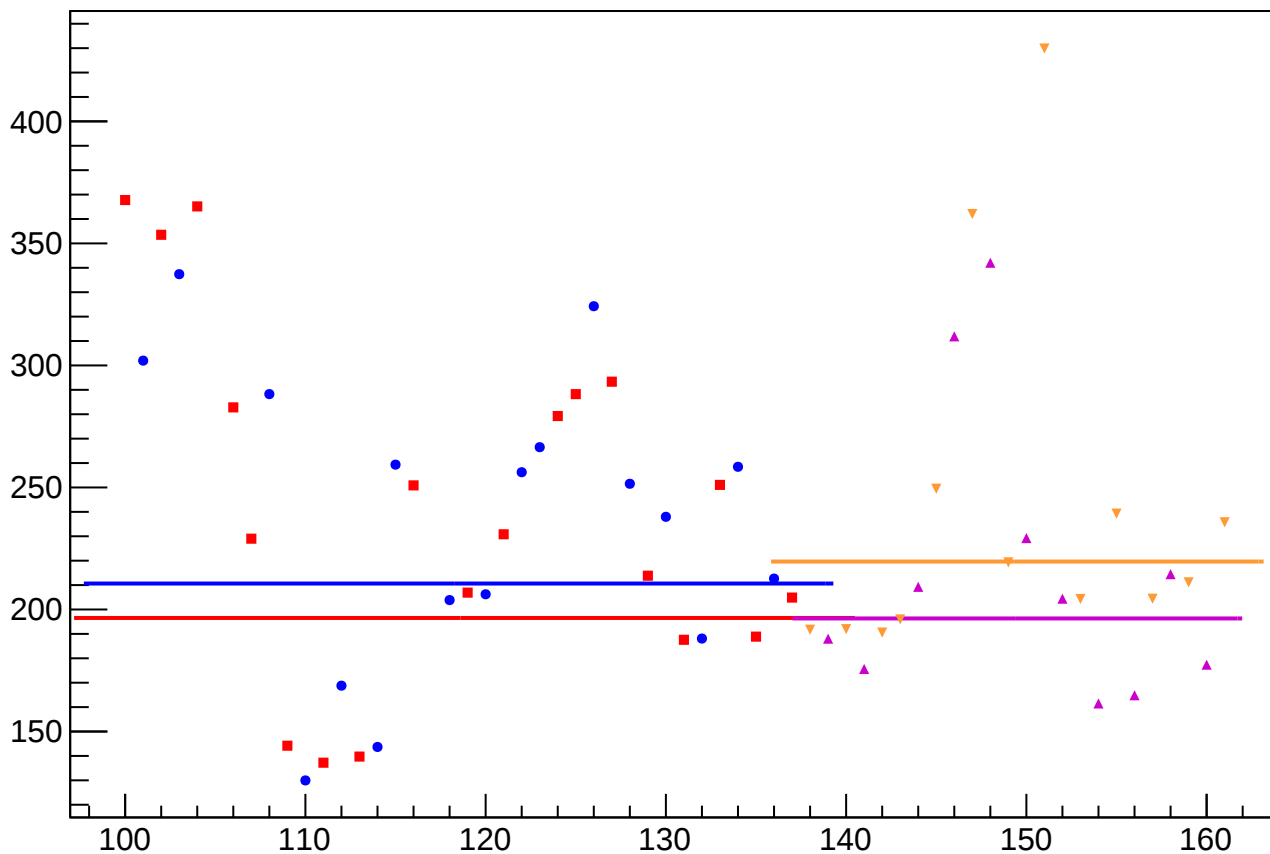
Right Out: 937.678 ± 78.434 χ^2/NDF : 521.9/18

Left In: -224.652 ± 68.758 χ^2/NDF : 752.2/10

408.915 ± 55.404 χ^2/NDF : 1597.0/29

280.432 ± 51.704 χ^2/NDF : 1398.3/29

asym_bpm0l05WS_rms vs Slug



Right In: 210.636+/-0.060 χ^2/NDF : 875776.4/16

Left Out: 219.647+/-0.051 χ^2/NDF : 764494.3/12

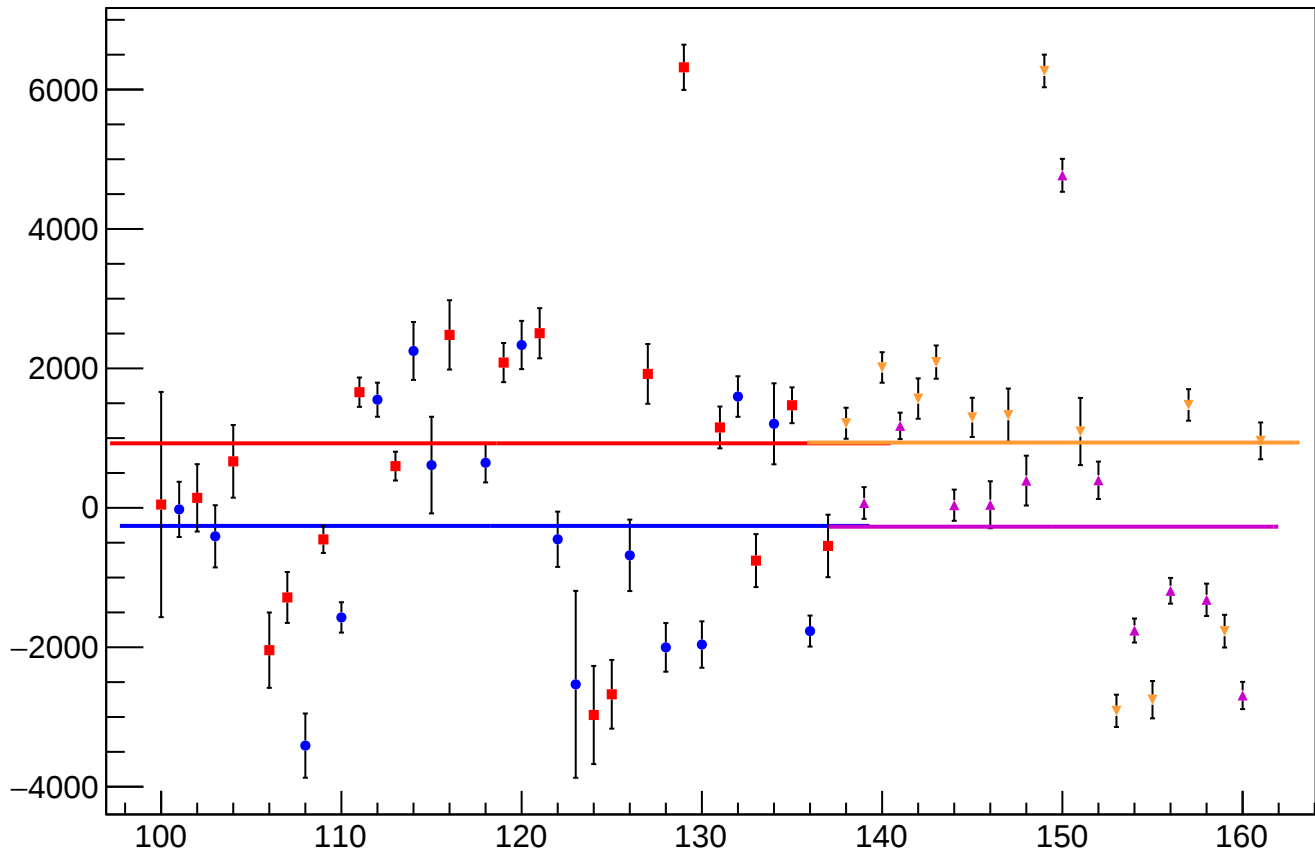
Right Out: 196.528+/-0.055 χ^2/NDF : 1205091.0/18

Left In: 196.325+/-0.049 χ^2/NDF : 740484.2/10

215.857+/-0.039 χ^2/NDF : 1653162.9/29

196.413+/-0.037 χ^2/NDF : 1945582.8/29

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 $\chi^2/\text{NDF}: 391.2/16$

Left Out: 936.460 ± 71.198 $\chi^2/\text{NDF}: 1179.2/12$

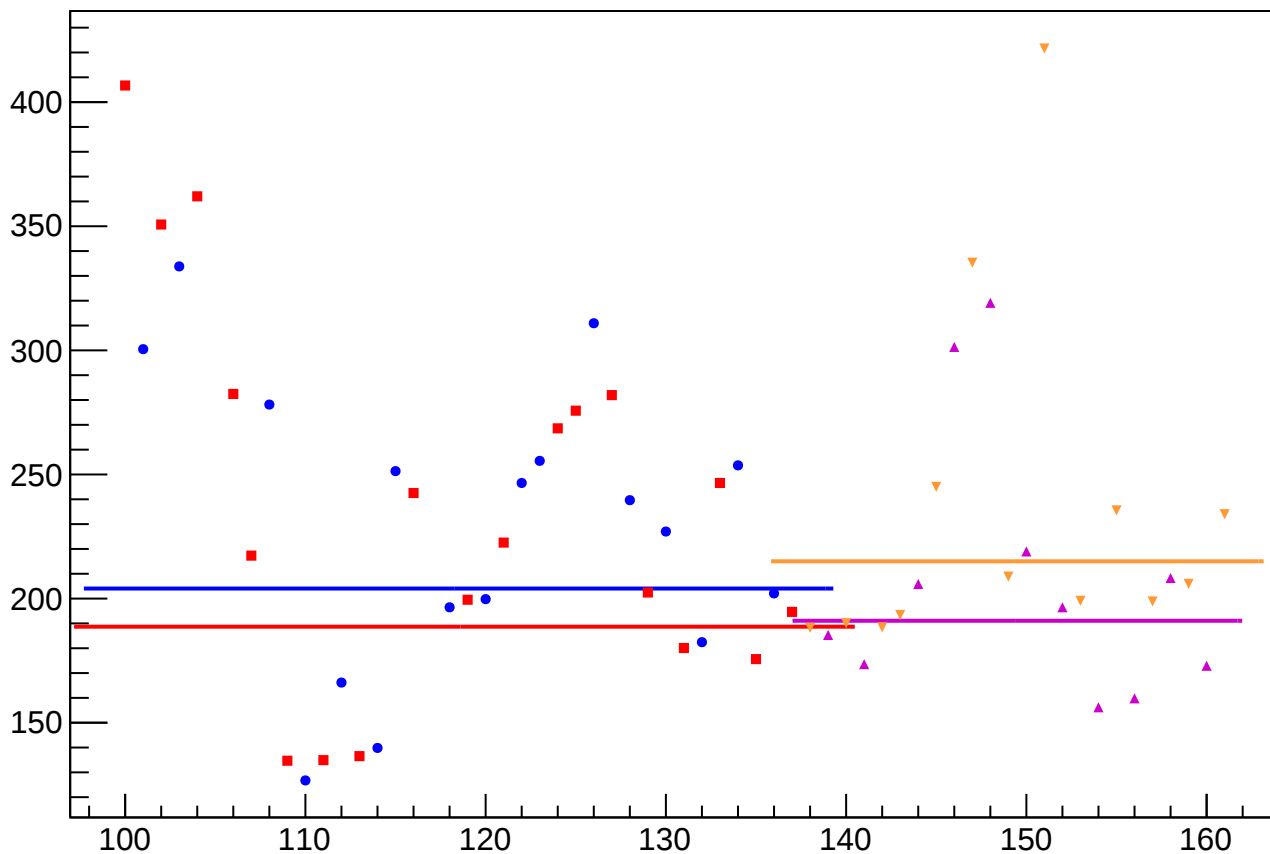
Right Out: 925.534 ± 75.503 $\chi^2/\text{NDF}: 581.9/18$

Left In: -270.400 ± 66.890 $\chi^2/\text{NDF}: 801.0/10$

428.243 ± 53.985 $\chi^2/\text{NDF}: 1690.3/29$

255.491 ± 50.068 $\chi^2/\text{NDF}: 1523.4/29$

asym_bpm0l06WS_rms vs Slug



Right In: 204.051 $\pm$ 0.059 χ^2 /NDF: 868423.0/16

Left Out: 215.020 $\pm$ 0.050 χ^2 /NDF: 723126.7/12

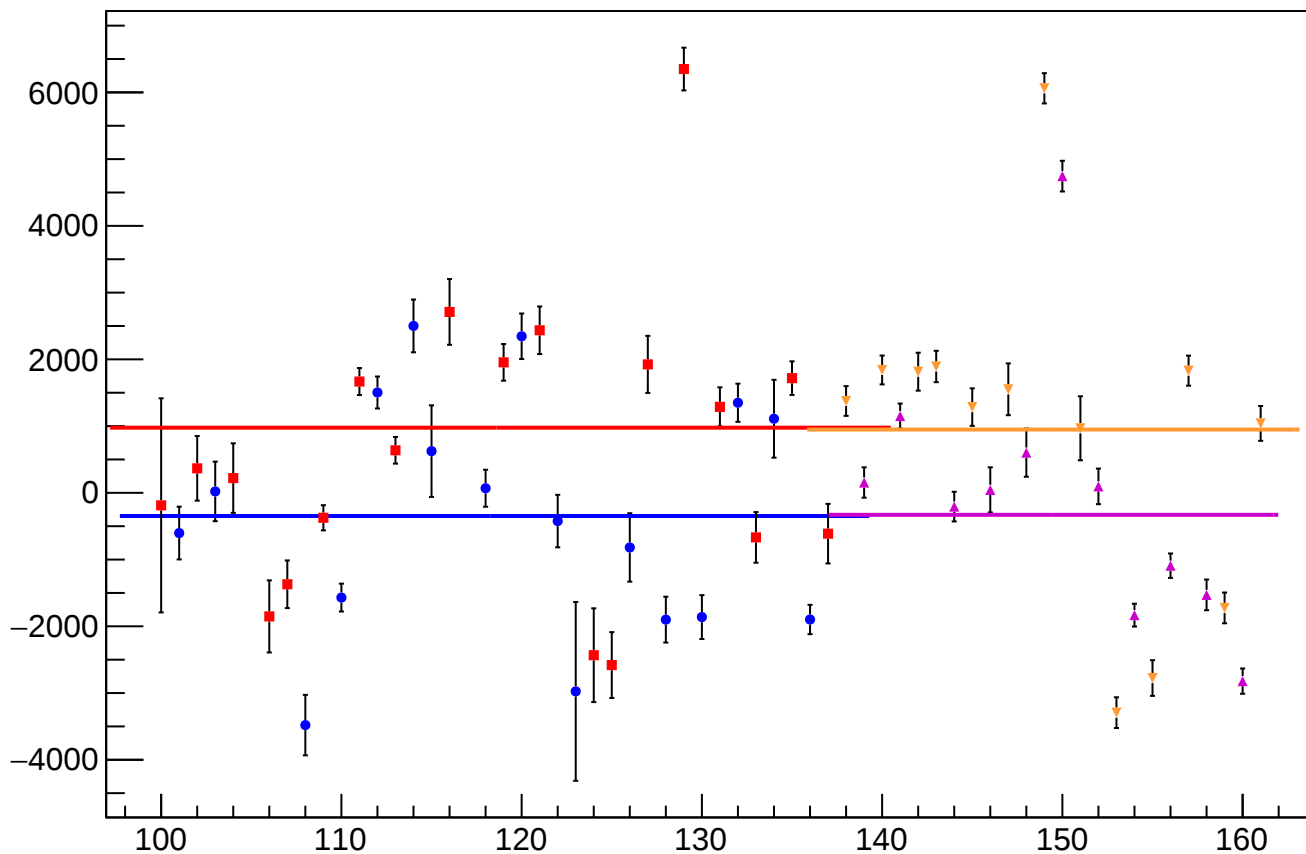
Right Out: 188.681 $\pm$ 0.053 χ^2 /NDF: 1251107.4/18

Left In: 191.067 $\pm$ 0.047 χ^2 /NDF: 694714.1/10

210.358 $\pm$ 0.038 χ^2 /NDF: 1611729.4/29

190.018 $\pm$ 0.035 χ^2 /NDF: 1946941.3/29

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 ± 81.318 χ^2/NDF : 399.1/16

Left Out: 948.153 ± 70.488 χ^2/NDF : 1242.7/12

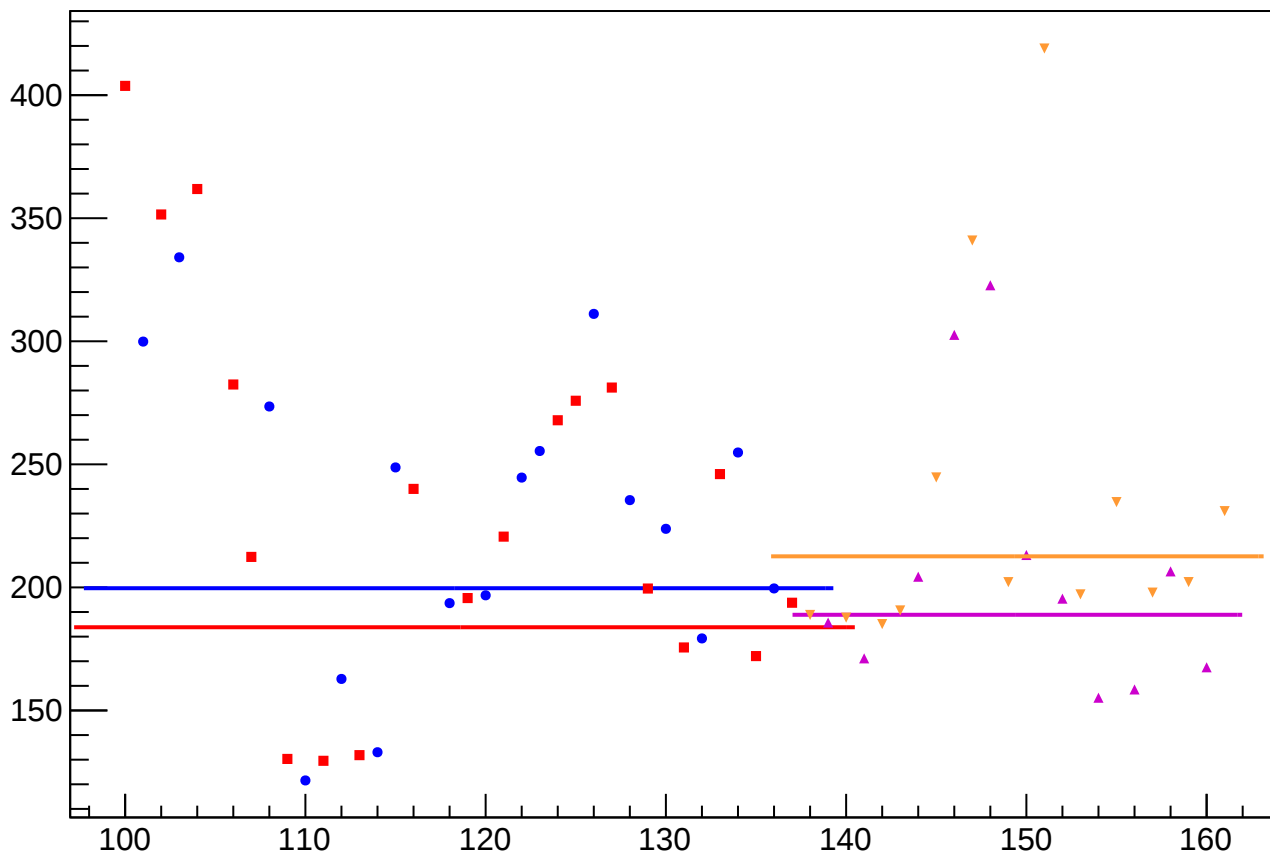
Right Out: 976.286 ± 73.889 χ^2/NDF : 585.7/18

Left In: -329.496 ± 66.190 χ^2/NDF : 859.1/10

392.401 ± 53.263 χ^2/NDF : 1786.7/29

251.843 ± 49.301 χ^2/NDF : 1618.1/29

asym_bpm0l07WS_rms vs Slug



Right In: 199.669+/-0.058 χ^2/NDF : 943155.1/16

Left Out: 212.622+/-0.050 χ^2/NDF : 750267.9/12

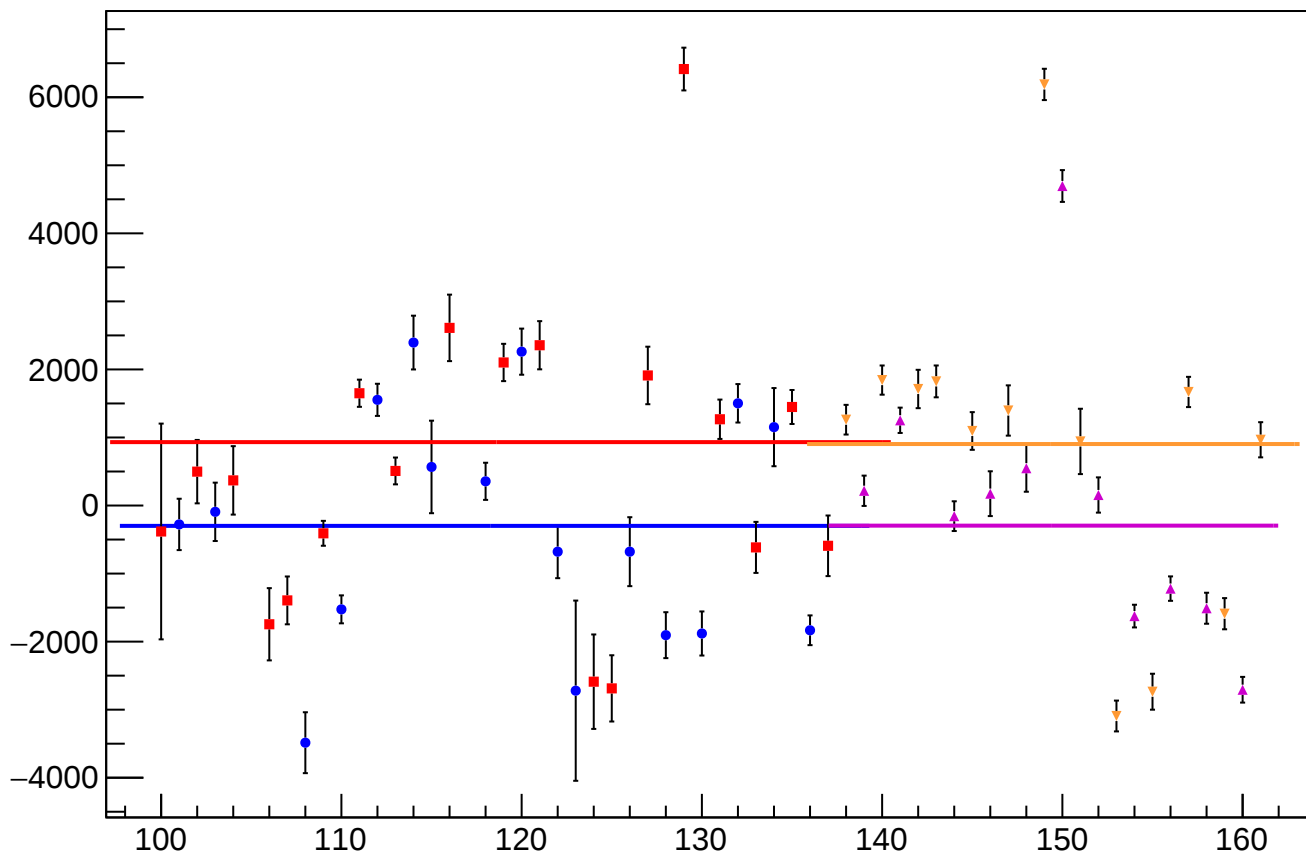
Right Out: 183.808+/-0.052 χ^2/NDF : 1349625.1/18

Left In: 188.873+/-0.047 χ^2/NDF : 721874.6/10

207.065+/-0.038 χ^2/NDF : 1722397.9/29

186.618+/-0.035 χ^2/NDF : 2076712.2/29

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 903.717 ± 69.791 χ^2/NDF : 1207.4/12

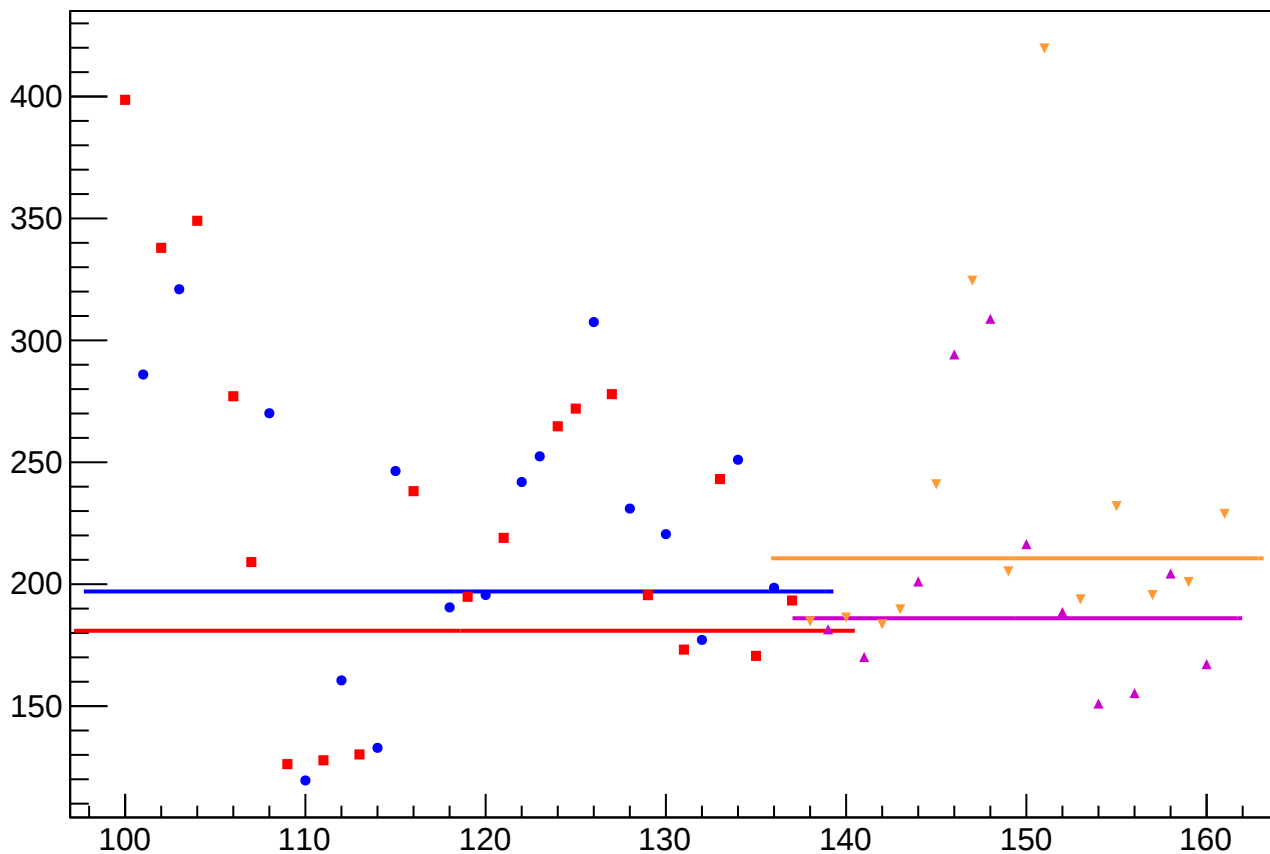
Right Out: 931.843 ± 72.751 χ^2/NDF : 614.8/18

Left In: -295.534 ± 65.221 χ^2/NDF : 823.8/10

385.158 ± 52.637 χ^2/NDF : 1742.0/29

251.369 ± 48.563 χ^2/NDF : 1596.4/29

asym_bpm0l08WS_rms vs Slug



Right In: 197.013 ± 0.057 χ^2/NDF : 911923.5/16

Left Out: 210.621 ± 0.049 χ^2/NDF : 729446.1/12

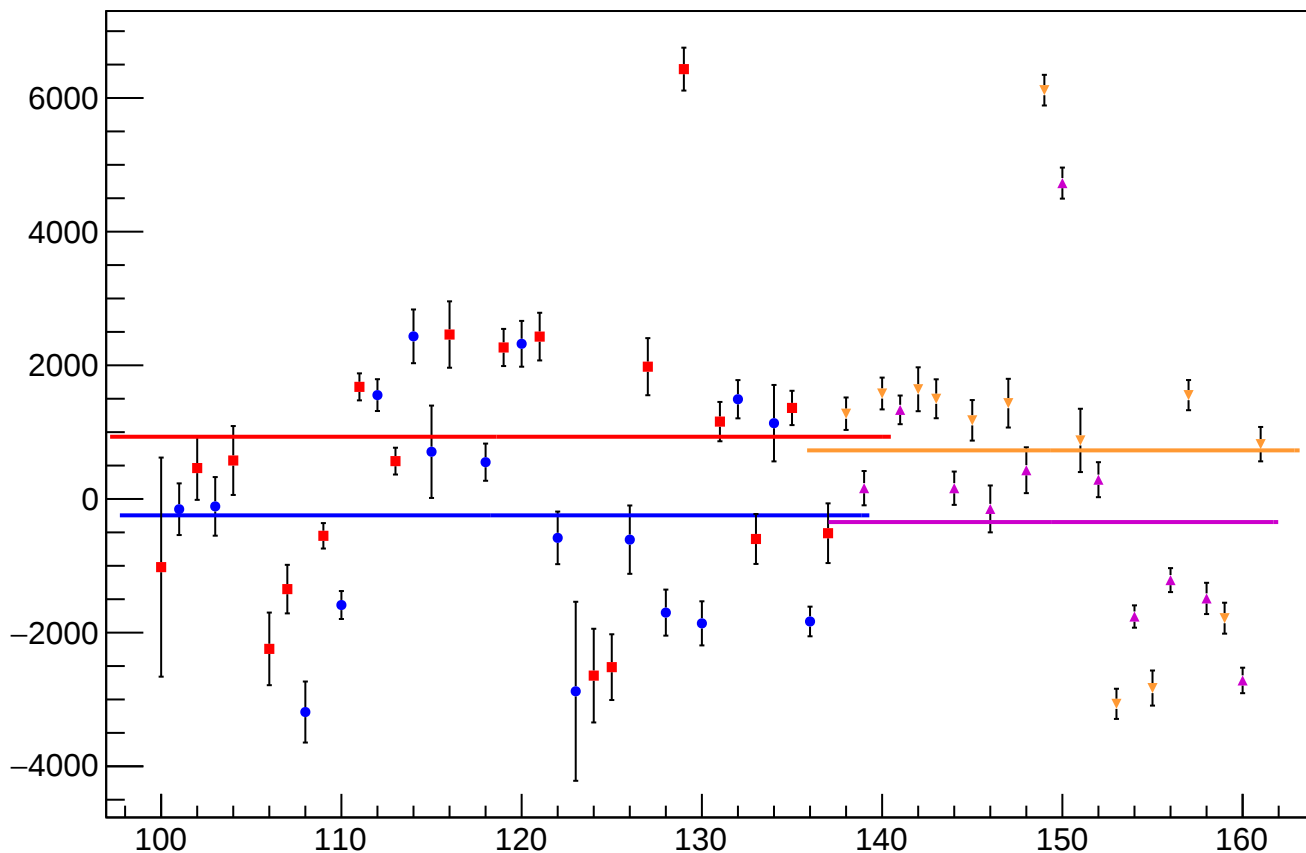
Right Out: 180.906 ± 0.051 χ^2/NDF : 1345685.7/18

Left In: 186.042 ± 0.046 χ^2/NDF : 706770.7/10

204.754 ± 0.037 χ^2/NDF : 1674153.7/29

183.754 ± 0.034 χ^2/NDF : 2057983.3/29

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 ± 81.395 χ^2/NDF : 391.4/16

Left Out: 727.149 ± 73.506 χ^2/NDF : 1187.8/12

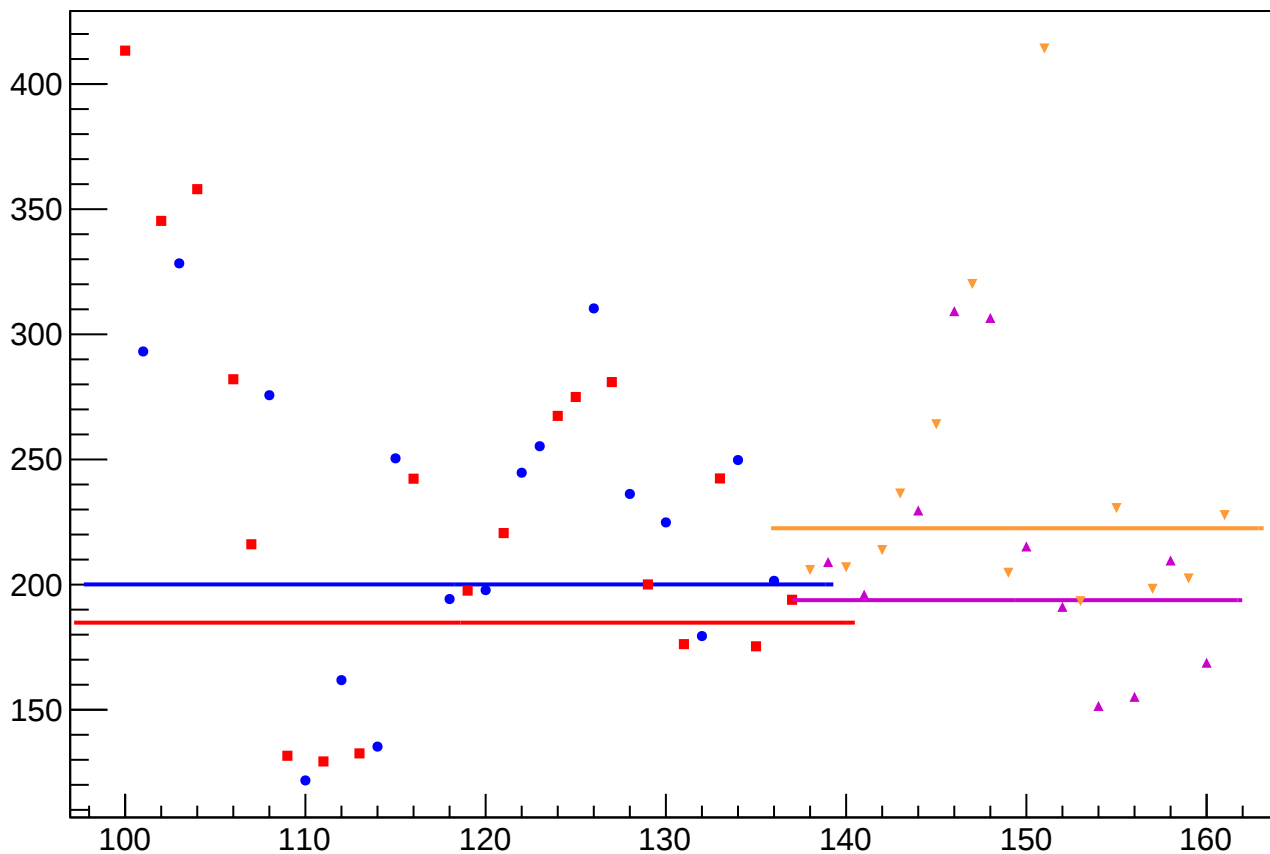
Right Out: 931.272 ± 74.206 χ^2/NDF : 609.7/18

Left In: -345.357 ± 68.131 χ^2/NDF : 830.4/10

290.492 ± 54.553 χ^2/NDF : 1657.7/29

238.576 ± 50.186 χ^2/NDF : 1600.7/29

asym_bpm0l09WS_rms vs Slug



Right In: 200.078 ± 0.058 χ^2/NDF : 918309.2/16

Left Out: 222.527 ± 0.052 χ^2/NDF : 618533.5/12

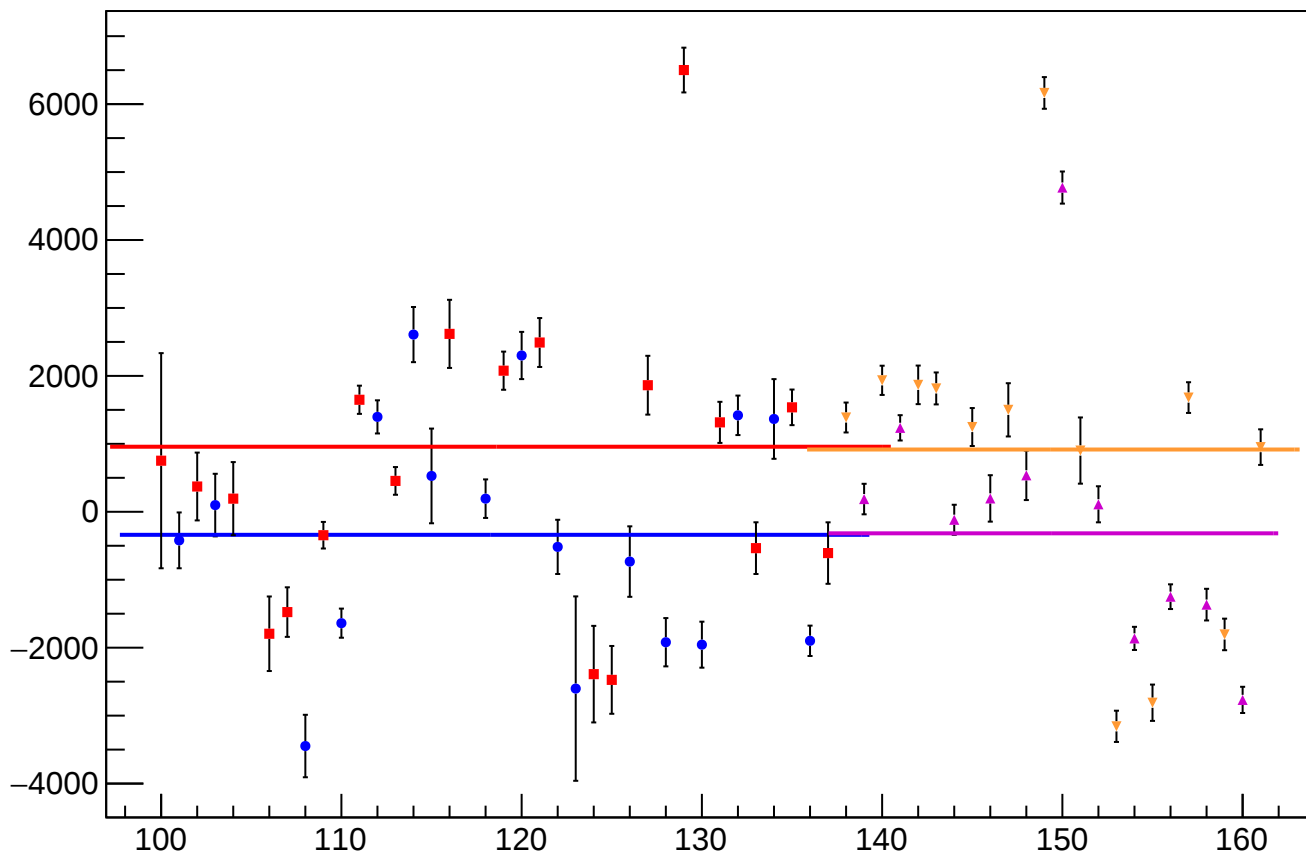
Right Out: 184.807 ± 0.052 χ^2/NDF : 1318267.6/18

Left In: 193.791 ± 0.048 χ^2/NDF : 762973.5/10

212.443 ± 0.039 χ^2/NDF : 1620637.1/29

189.682 ± 0.035 χ^2/NDF : 2097145.4/29

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 $\chi^2/\text{NDF}: 389.5/16$

Left Out: 916.588 ± 70.668 $\chi^2/\text{NDF}: 1219.7/12$

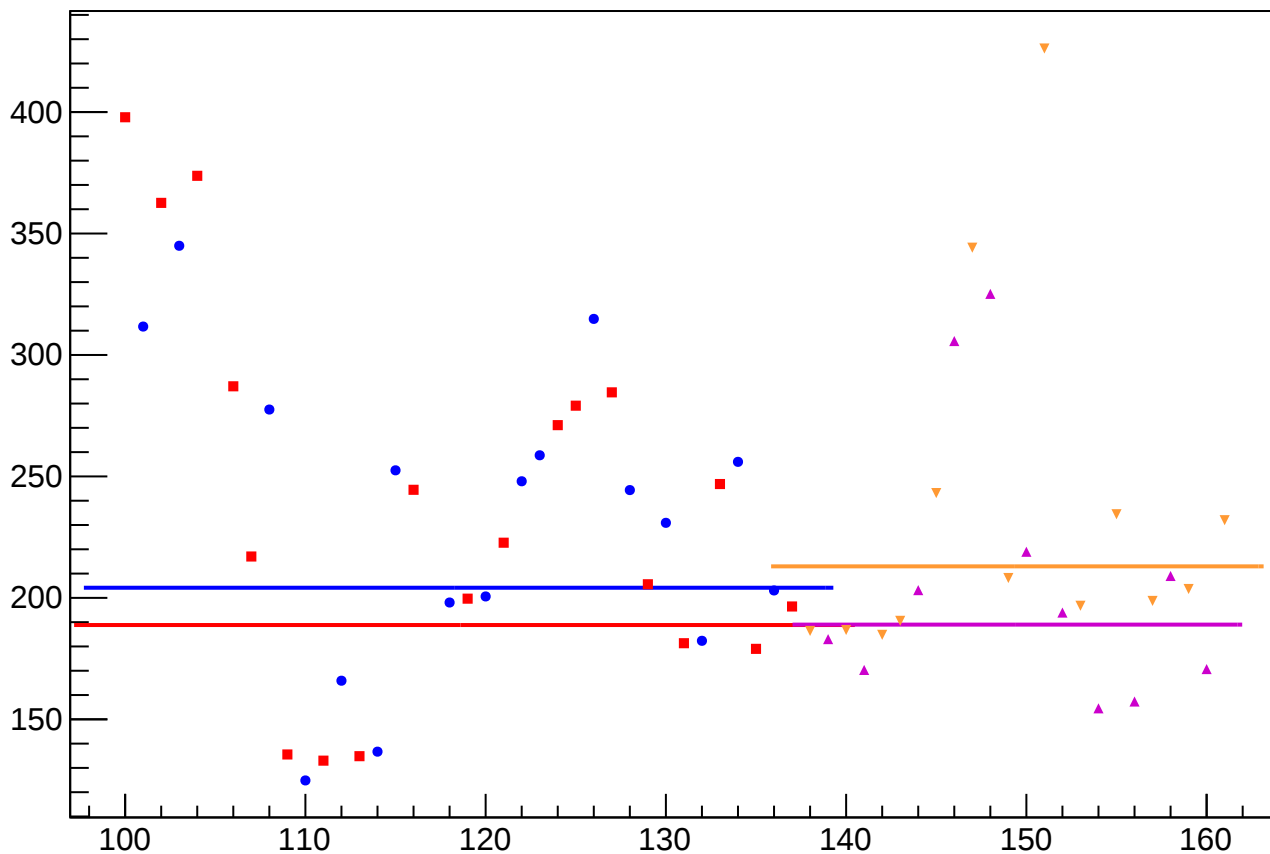
Right Out: 957.615 ± 75.749 $\chi^2/\text{NDF}: 570.3/18$

Left In: -316.926 ± 66.319 $\chi^2/\text{NDF}: 839.8/10$

389.830 ± 53.840 $\chi^2/\text{NDF}: 1741.6/29$

236.120 ± 49.898 $\chi^2/\text{NDF}: 1570.4/29$

asym_bpm0l10WS_rms vs Slug



Right In: 204.175 $\pm$ 0.059 χ^2 /NDF: 947438.5/16

Left Out: 212.973 $\pm$ 0.050 χ^2 /NDF: 772431.9/12

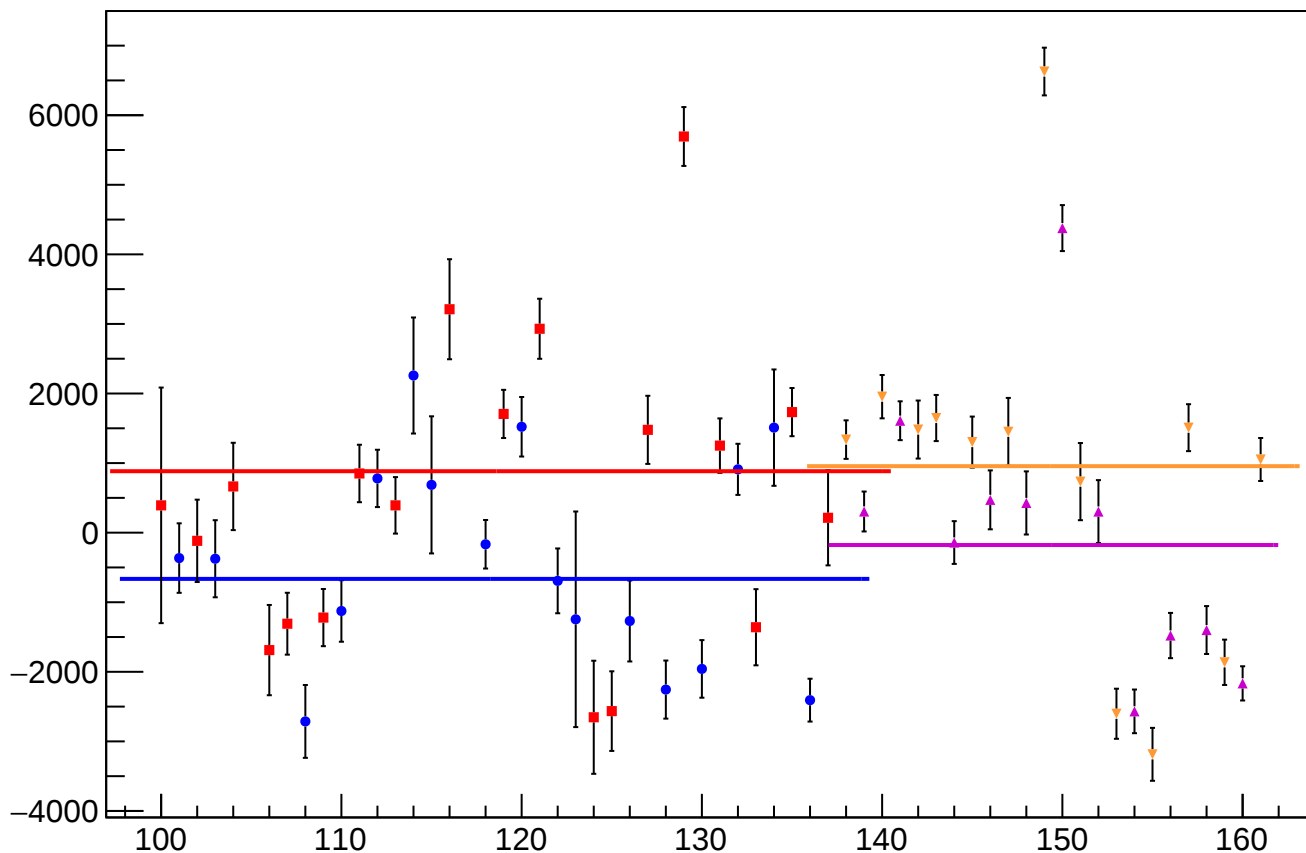
Right Out: 188.821 $\pm$ 0.054 χ^2 /NDF: 1314891.2/18

Left In: 188.991 $\pm$ 0.047 χ^2 /NDF: 750827.4/10

209.282 $\pm$ 0.038 χ^2 /NDF: 1732876.3/29

188.917 $\pm$ 0.035 χ^2 /NDF: 2065724.3/29

asym_bpm0r03WS_mean vs Slug



Right In: -664.383+/-113.949 χ^2/NDF : 154.3/16

Left Out: 955.790+/-97.624 χ^2/NDF : 587.8/12

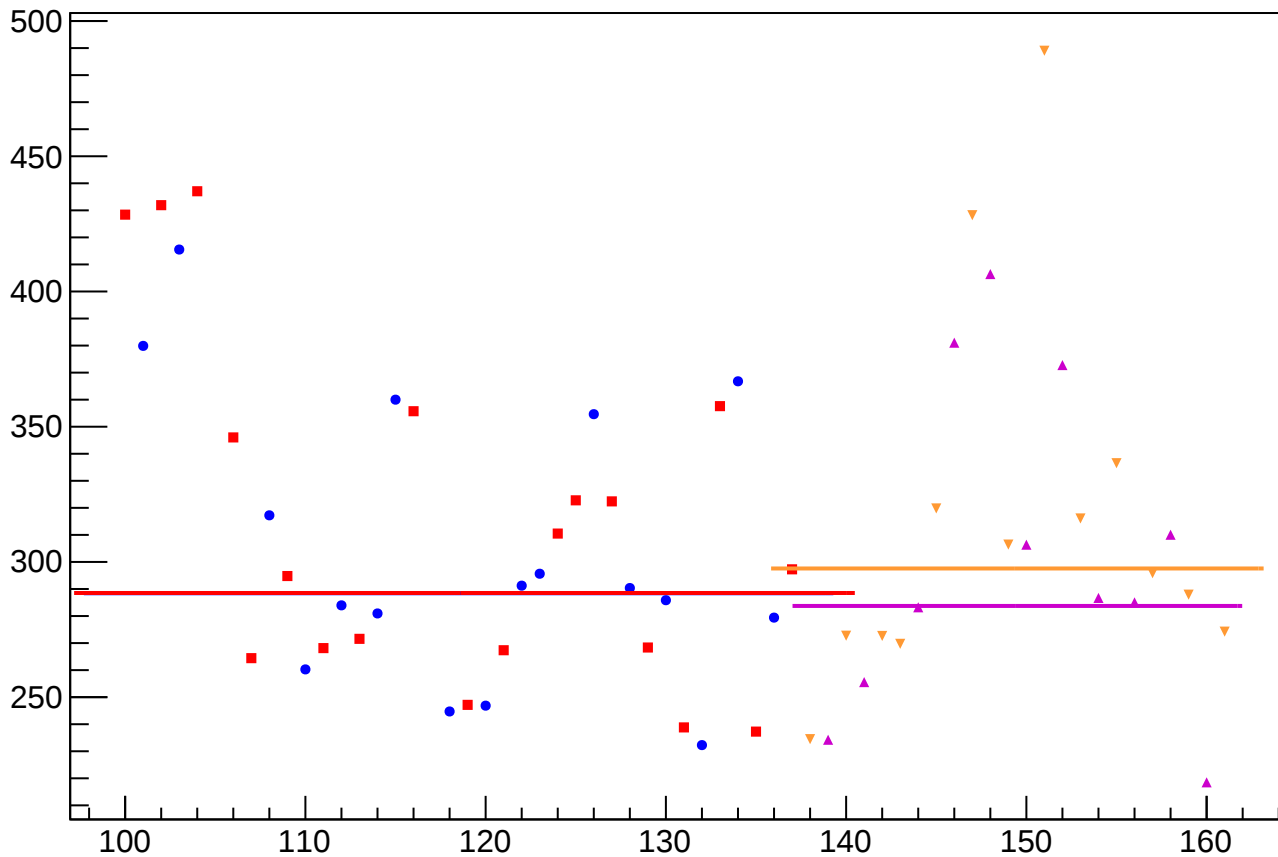
Right Out: 883.255+/-110.875 χ^2/NDF : 320.1/18

Left In: -177.628+/-97.751 χ^2/NDF : 391.1/10

269.975+/-74.136 χ^2/NDF : 858.7/29

286.342+/-73.324 χ^2/NDF : 762.7/29

asym_bpm0r03WS_rms vs Slug



Right In: 288.428 $\pm$ 0.081 χ^2 /NDF: 339820.0/16

Left Out: 297.583 $\pm$ 0.069 χ^2 /NDF: 568542.8/12

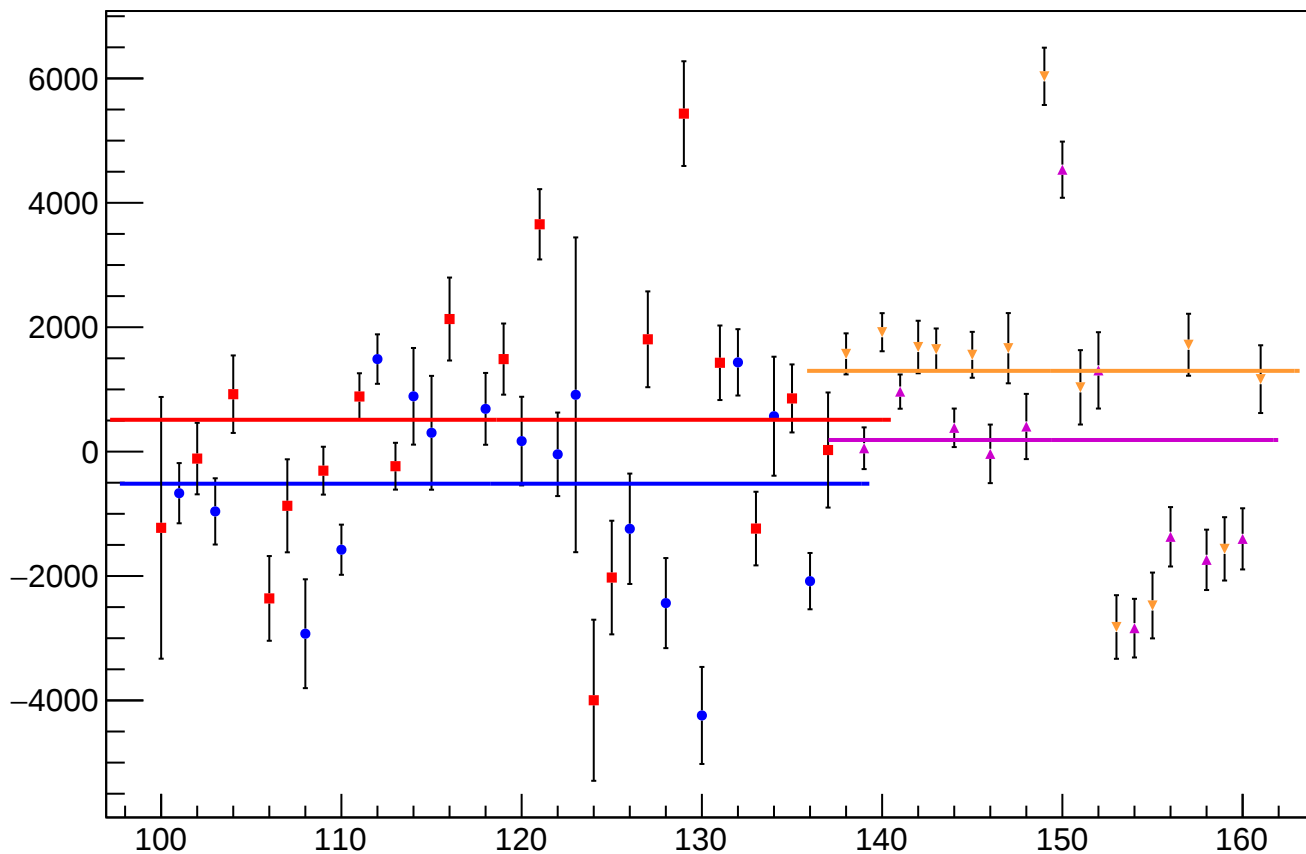
Right Out: 288.522 $\pm$ 0.078 χ^2 /NDF: 455410.1/18

Left In: 283.732 $\pm$ 0.069 χ^2 /NDF: 571589.0/10

293.708 $\pm$ 0.052 χ^2 /NDF: 915807.1/29

285.827 $\pm$ 0.052 χ^2 /NDF: 1029099.1/29

asym_bpm0r05WS_mean vs Slug



Right In: -515.894 ± 147.326 $\chi^2/\text{NDF}: 108.0/16$

Left Out: 1298.480 ± 118.622 $\chi^2/\text{NDF}: 261.5/12$

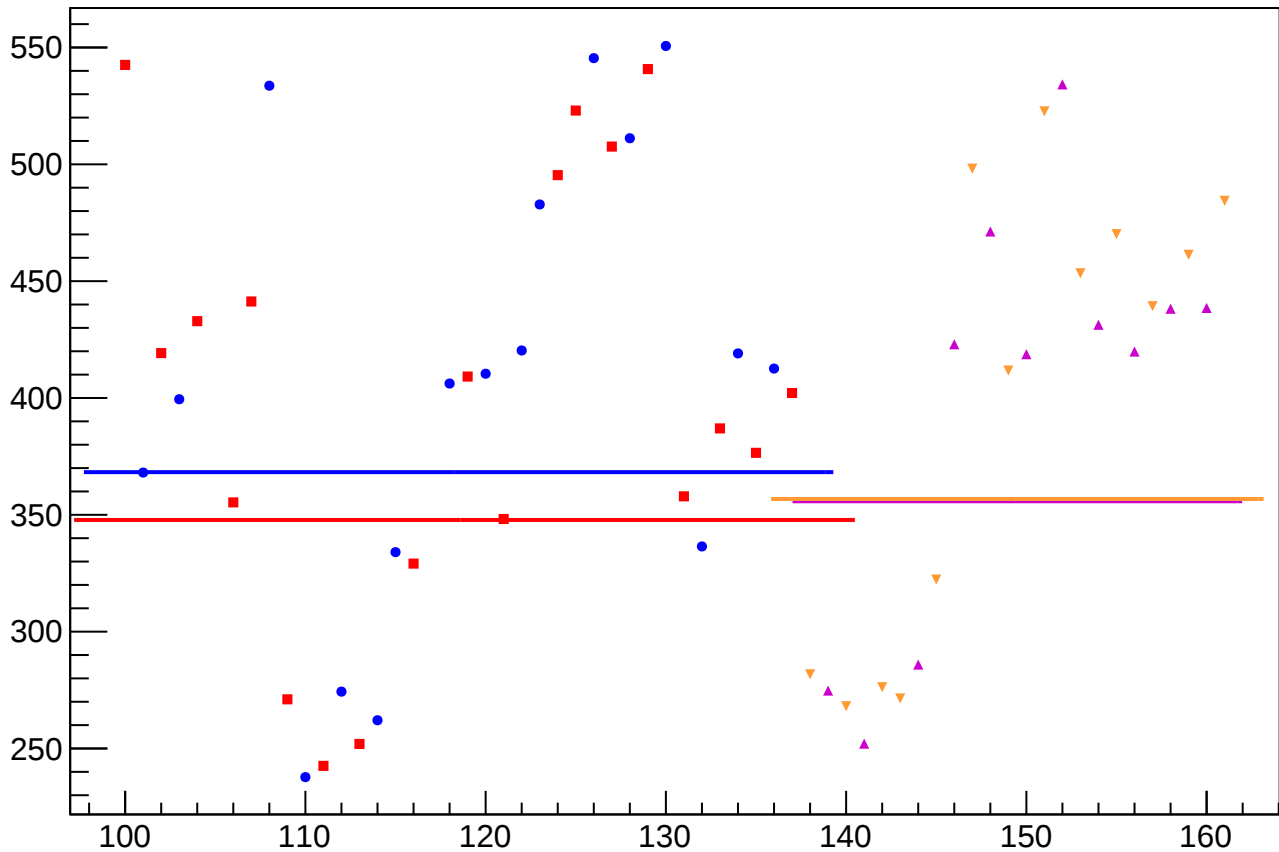
Right Out: 511.851 ± 135.798 $\chi^2/\text{NDF}: 141.3/18$

Left In: 186.983 ± 123.569 $\chi^2/\text{NDF}: 182.8/10$

584.870 ± 92.395 $\chi^2/\text{NDF}: 461.5/29$

334.133 ± 91.395 $\chi^2/\text{NDF}: 327.2/29$

asym_bpm0r05WS_rms vs Slug



Right In: 368.264 ± 0.104 χ^2/NDF : 770116.6/16

Left Out: 356.784 ± 0.084 χ^2/NDF : 1212083.6/12

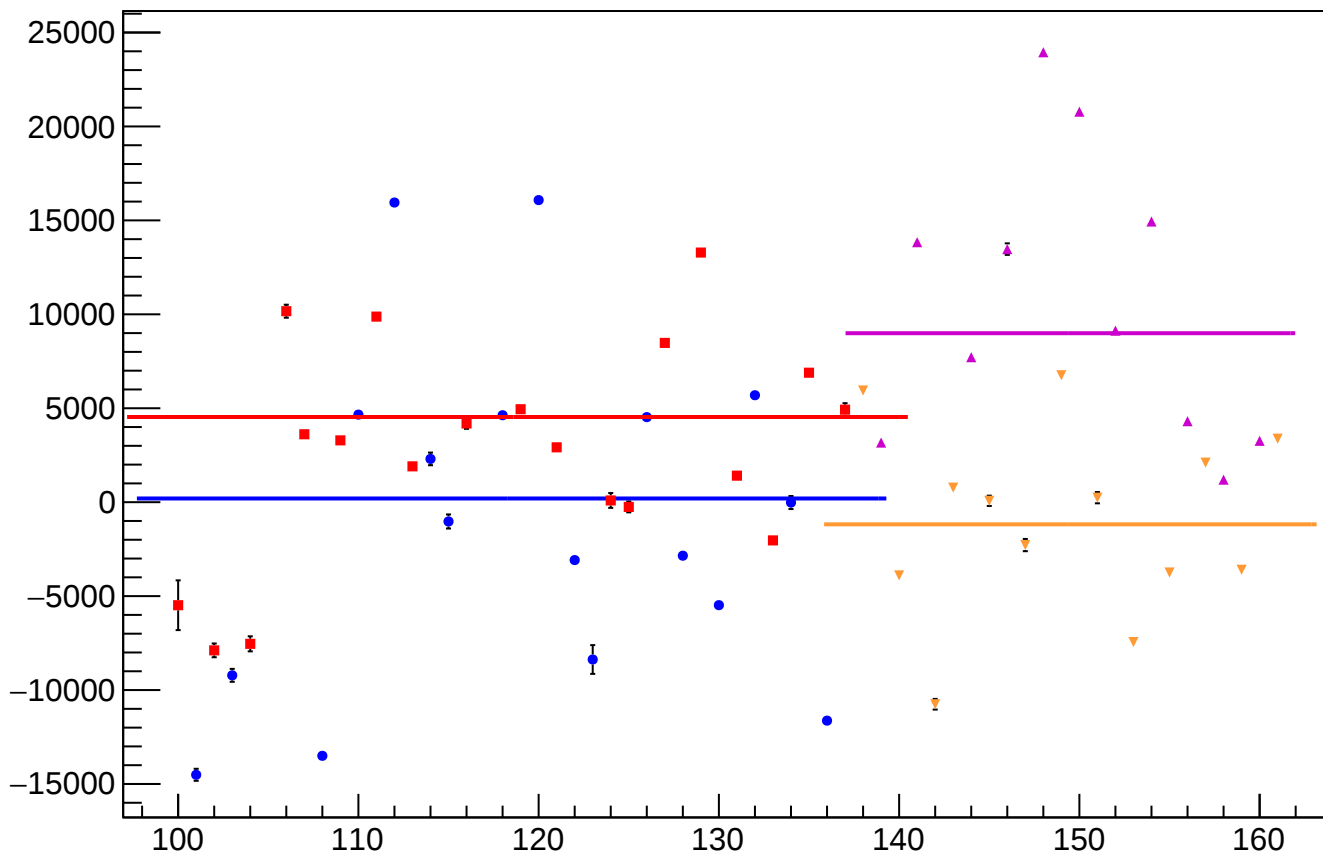
Right Out: 347.802 ± 0.096 χ^2/NDF : 821862.5/18

Left In: 355.801 ± 0.087 χ^2/NDF : 1049918.2/10

361.299 ± 0.065 χ^2/NDF : 1989567.6/29

352.178 ± 0.065 χ^2/NDF : 1875576.9/29

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 ± 54.799 $\chi^2/\text{NDF}: 30658.3/16$

Left Out: -1179.044 ± 55.268 $\chi^2/\text{NDF}: 7308.1/12$

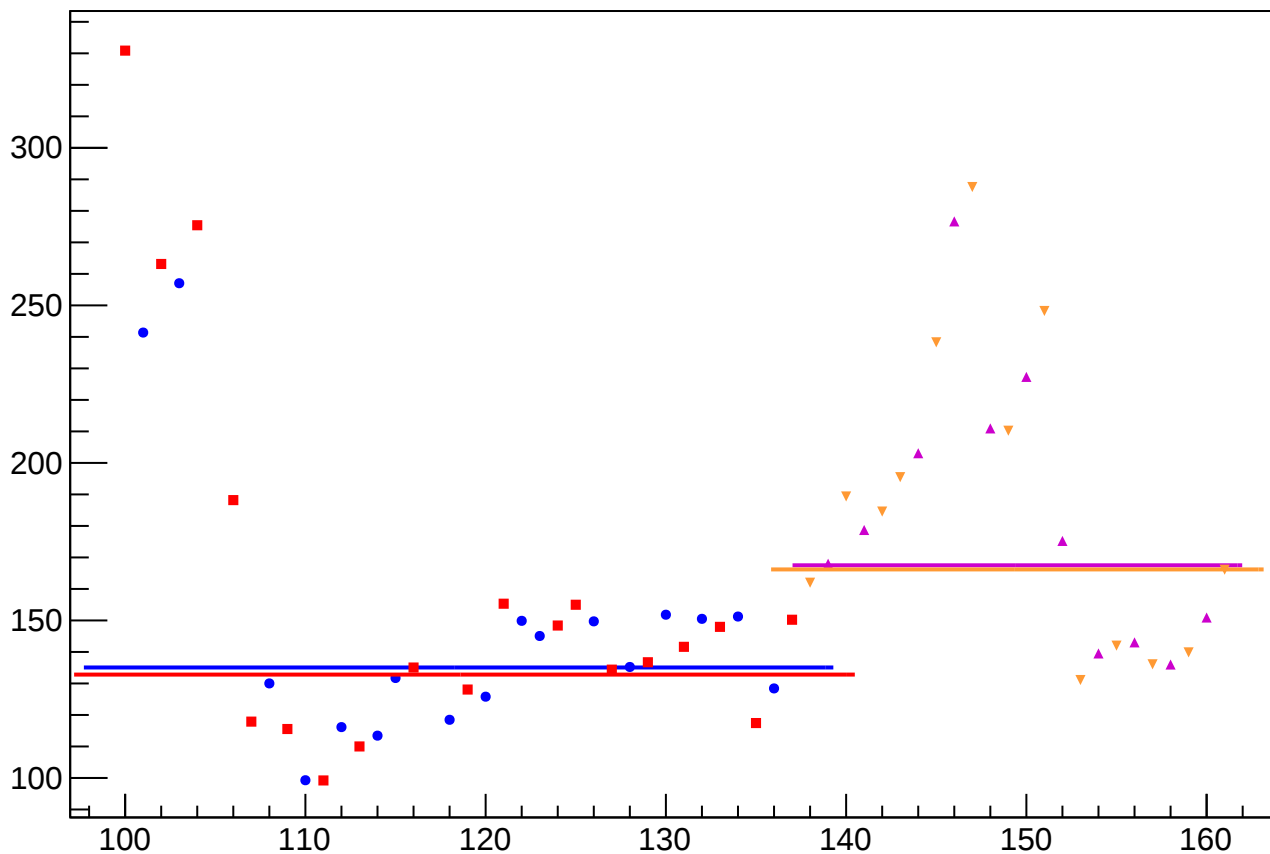
Right Out: 4534.200 ± 52.462 $\chi^2/\text{NDF}: 7477.2/18$

Left In: 8994.802 ± 58.594 $\chi^2/\text{NDF}: 13833.4/10$

-485.148 ± 38.913 $\chi^2/\text{NDF}: 38278.9/29$

6518.943 ± 39.085 $\chi^2/\text{NDF}: 24527.4/29$

asym_bpm0i02WS_rms vs Slug



Right In: 135.072+/-0.039 χ^2/NDF : 658703.5/16

Left Out: 166.193+/-0.039 χ^2/NDF : 988562.8/12

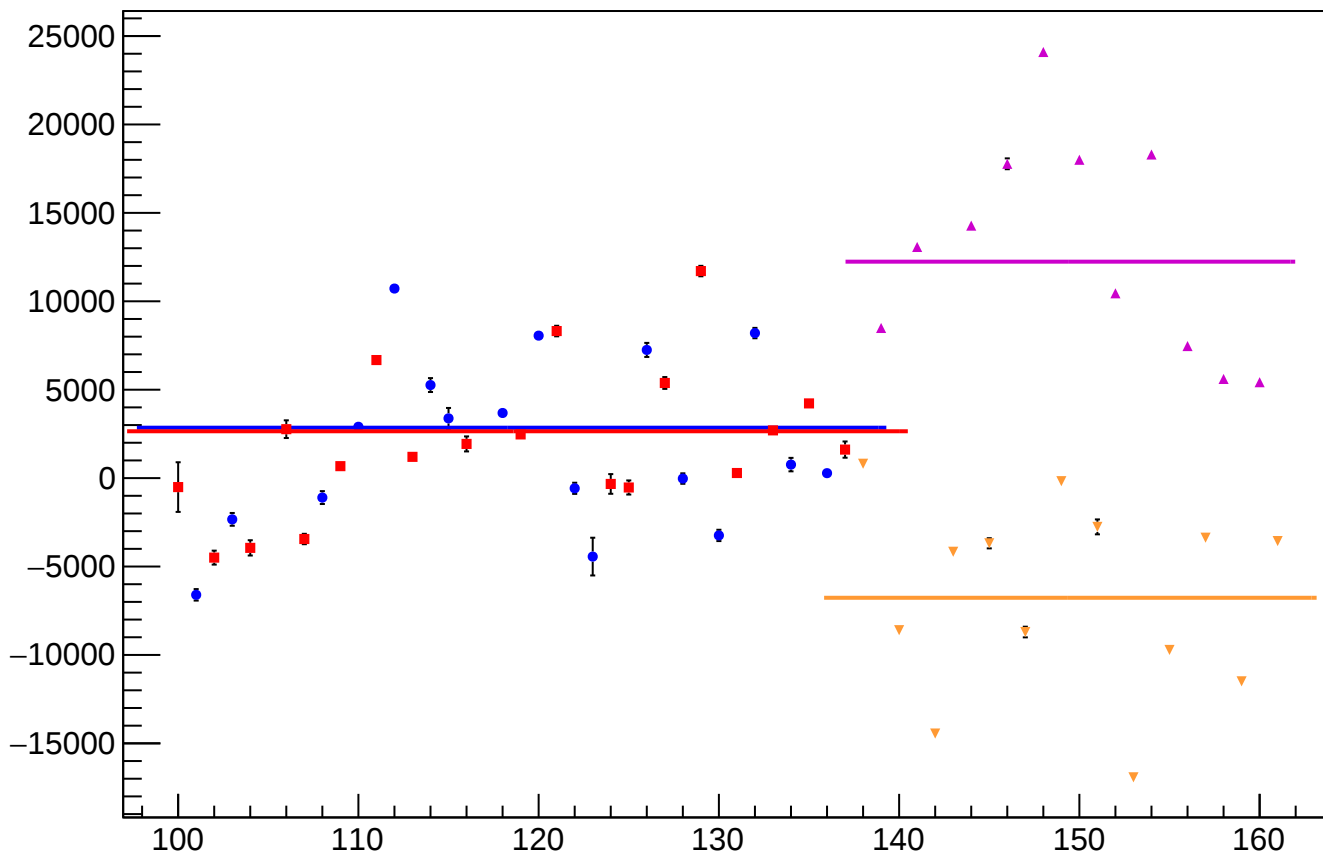
Right Out: 132.816+/-0.037 χ^2/NDF : 831191.5/18

Left In: 167.504+/-0.041 χ^2/NDF : 712852.1/10

150.500+/-0.028 χ^2/NDF : 1967049.0/29

148.251+/-0.028 χ^2/NDF : 1933098.8/29

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437 +/- 70.753 χ^2/NDF : 4178.1/16

Left Out: -6767.050 +/- 63.934 χ^2/NDF : 7402.4/12

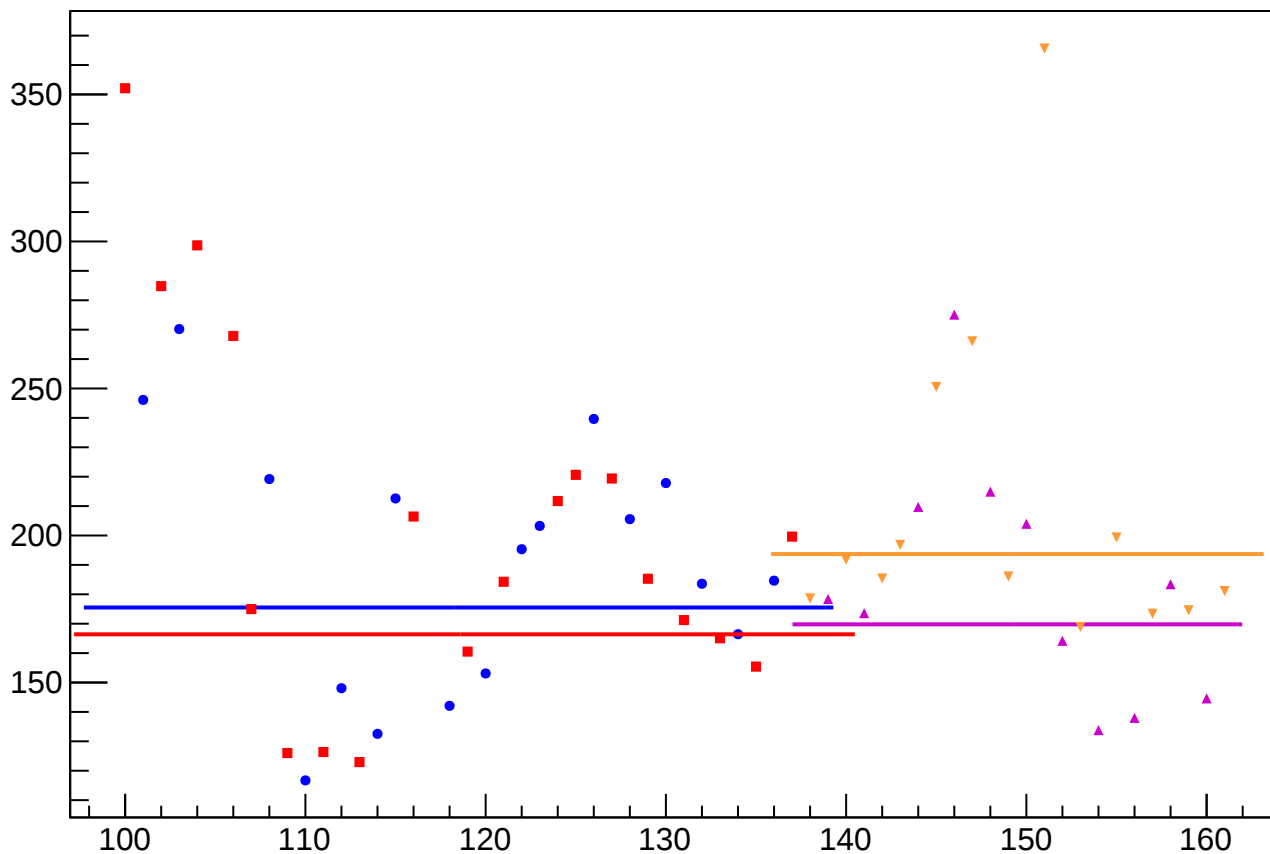
Right Out: 2649.142 +/- 65.731 χ^2/NDF : 3175.7/18

Left In: 12240.836 +/- 59.495 χ^2/NDF : 9211.5/10

-2443.581 +/- 47.436 χ^2/NDF : 21754.3/29

7921.425 +/- 44.110 χ^2/NDF : 24091.8/29

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514+/-0.050 χ^2/NDF : 689642.3/16

Left Out: 193.695+/-0.045 χ^2/NDF : 619544.0/12

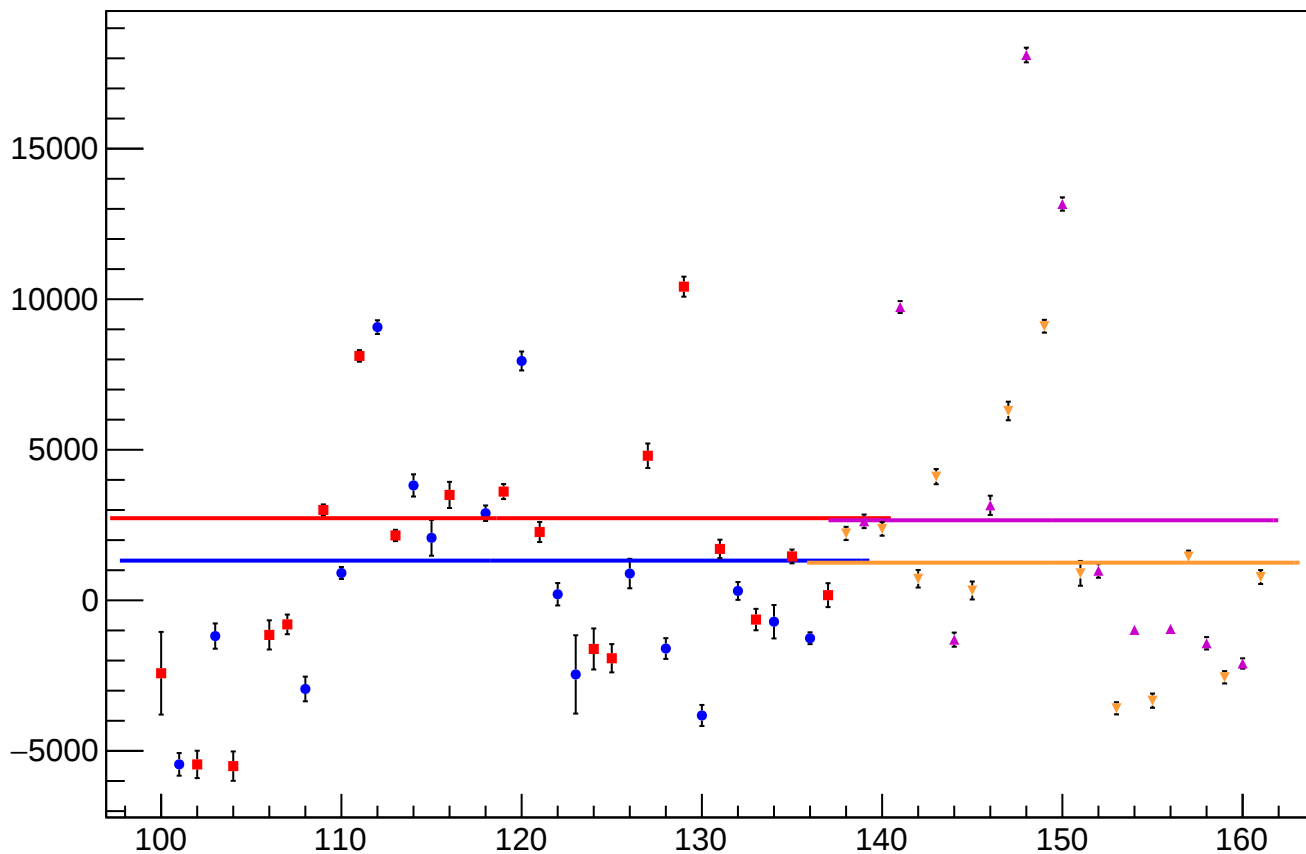
Right Out: 166.393+/-0.046 χ^2/NDF : 929534.5/18

Left In: 169.783+/-0.042 χ^2/NDF : 674315.8/10

185.523+/-0.034 χ^2/NDF : 1381883.4/29

168.256+/-0.031 χ^2/NDF : 1606774.0/29

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1250.896+/-66.362 χ^2/NDF : 3103.5/12

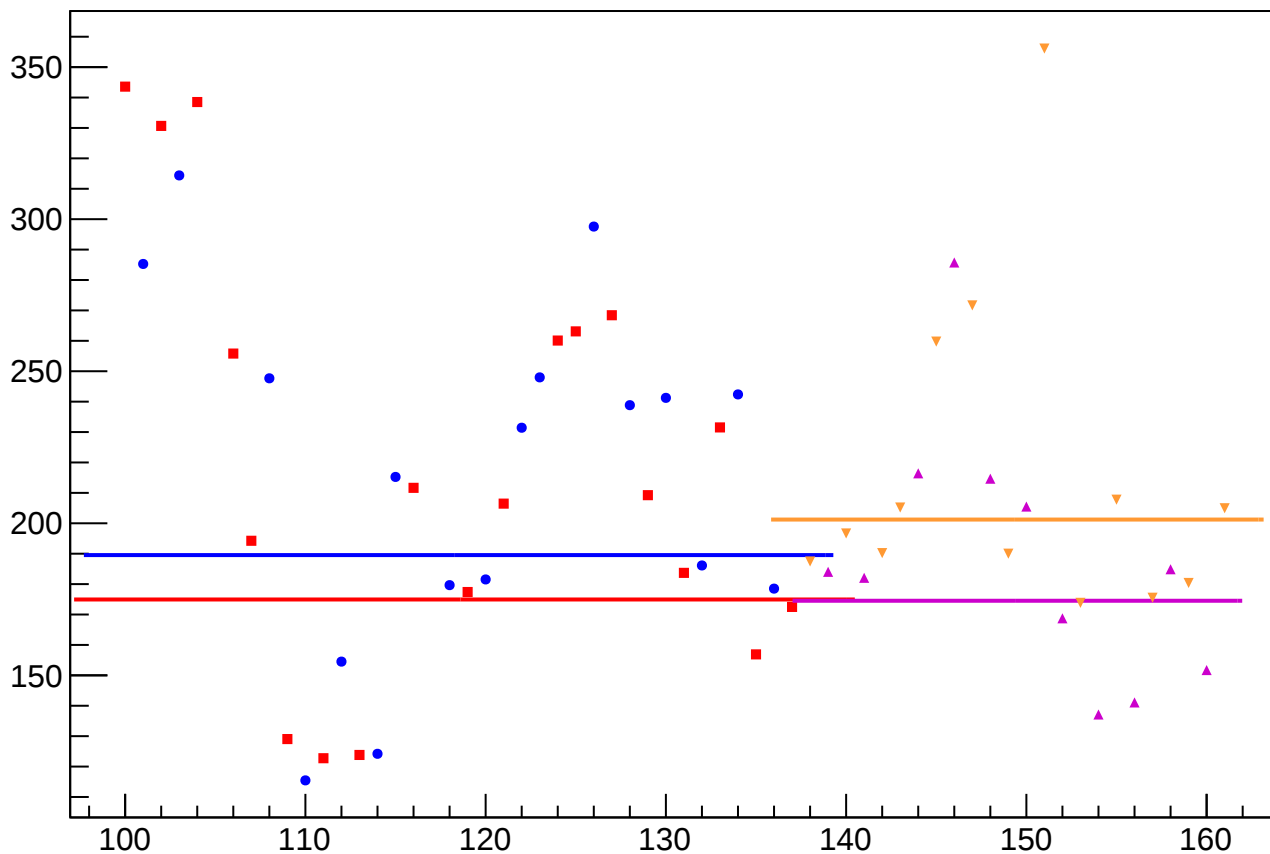
Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

Left In: 2658.609+/-61.171 χ^2/NDF : 10088.1/10

1279.863+/-50.309 χ^2/NDF : 5771.0/29

2688.553+/-46.070 χ^2/NDF : 12584.6/29

asym_bpm0i05WS_rms vs Slug



Right In: 189.544+/-0.055 χ^2/NDF : 980744.6/16

Left Out: 201.227+/-0.047 χ^2/NDF : 573454.3/12

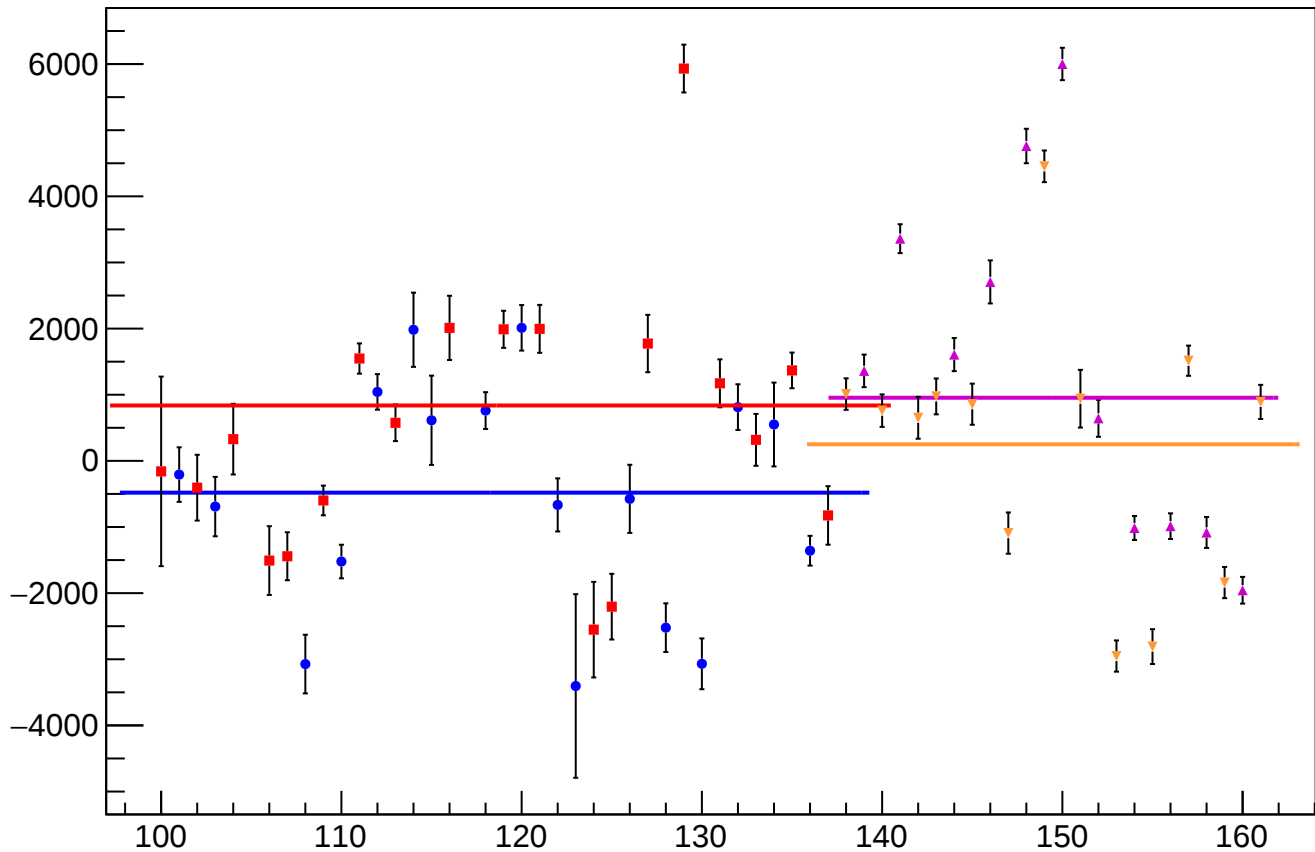
Right Out: 174.944+/-0.050 χ^2/NDF : 1297106.6/18

Left In: 174.526+/-0.043 χ^2/NDF : 653551.1/10

196.259+/-0.036 χ^2/NDF : 1580560.0/29

174.706+/-0.033 χ^2/NDF : 1950698.2/29

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 250.995 ± 73.401 χ^2/NDF : 790.3/12

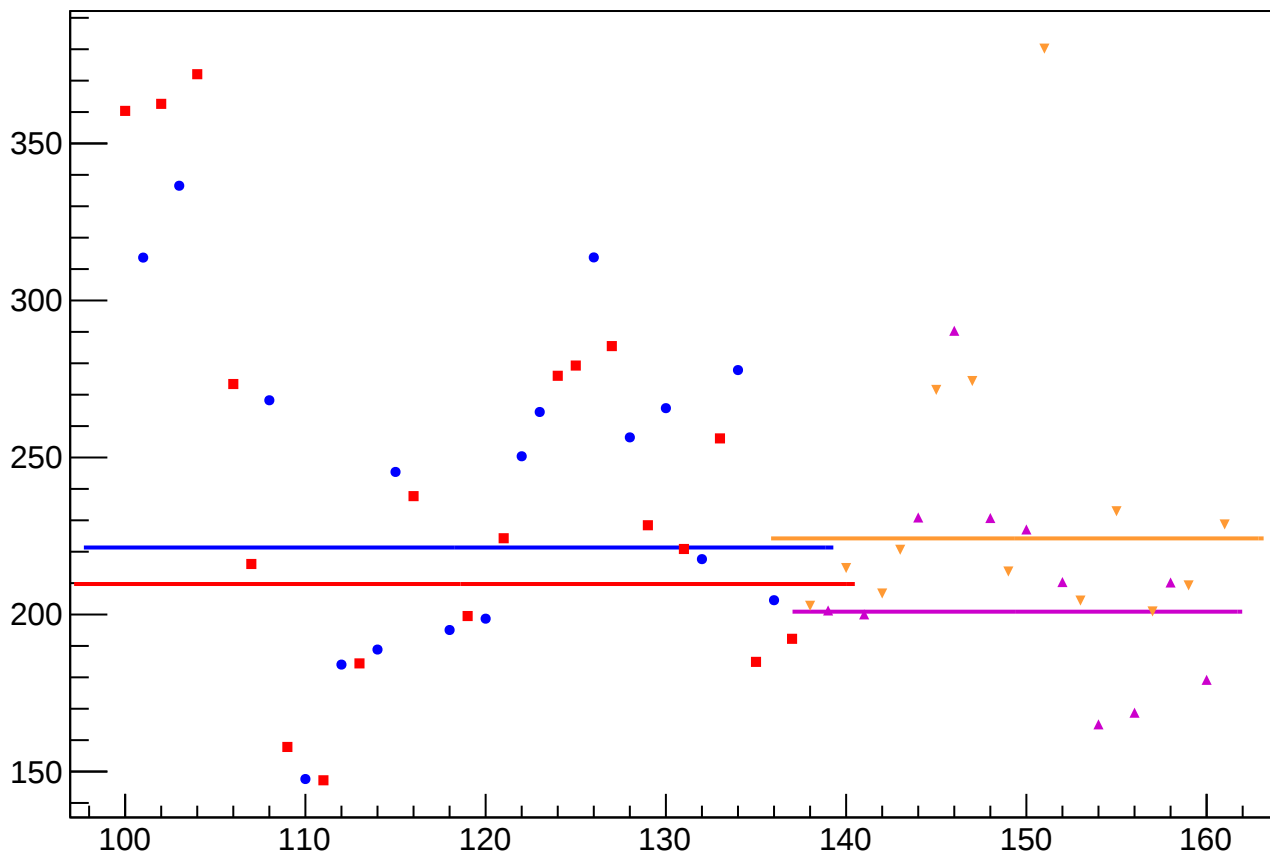
Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

Left In: 954.509 ± 69.527 χ^2/NDF : 1300.9/10

-46.594 ± 56.534 χ^2/NDF : 1121.4/29

905.716 ± 53.096 χ^2/NDF : 1737.4/29

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 224.239 $\pm$ 0.052 χ^2 /NDF: 428532.6/12

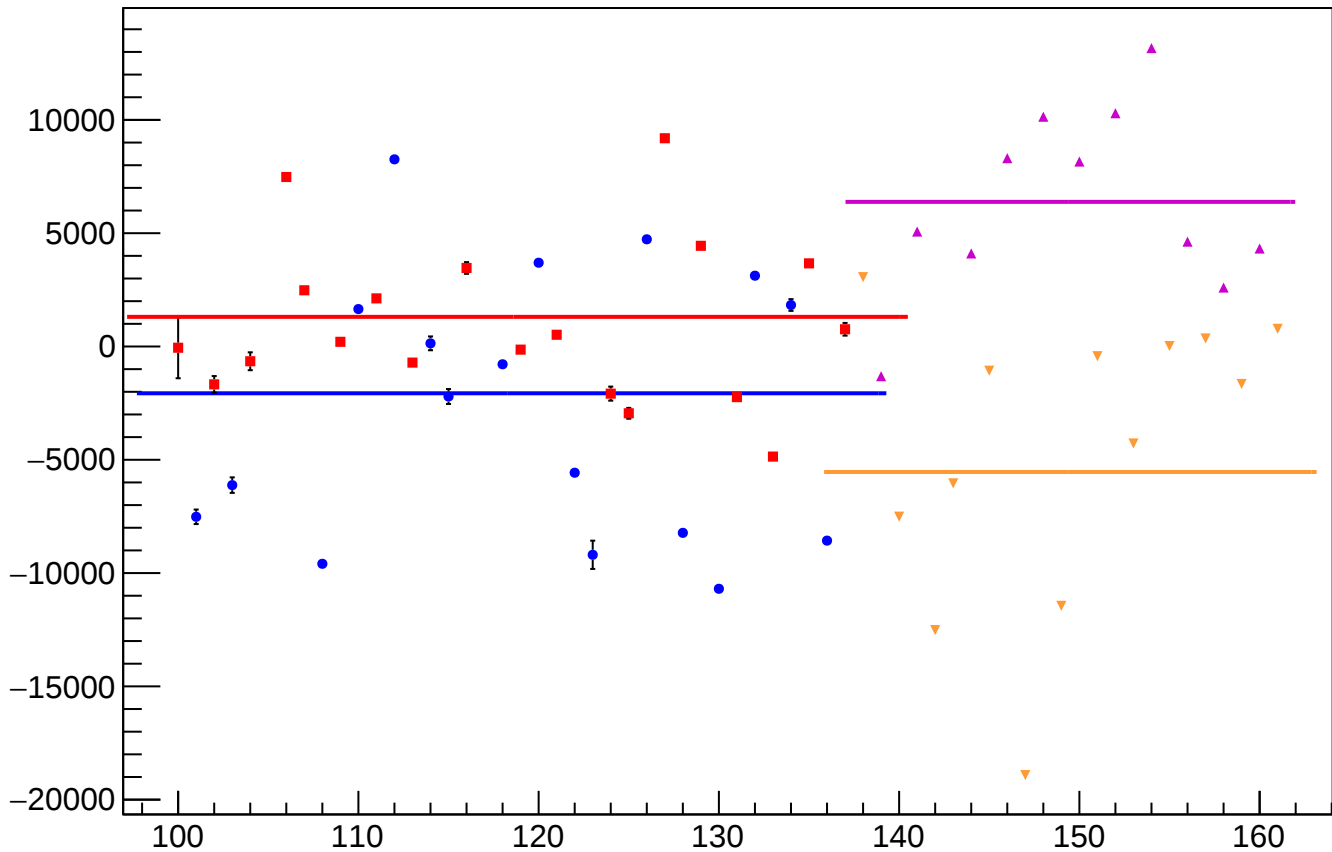
Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

Left In: 200.908 $\pm$ 0.049 χ^2 /NDF: 390712.8/10

223.061 $\pm$ 0.040 χ^2 /NDF: 1075487.9/29

204.579 $\pm$ 0.038 χ^2 /NDF: 1288010.7/29

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -5537.962 ± 39.110 $\chi^2/\text{NDF}: 28139.2/12$

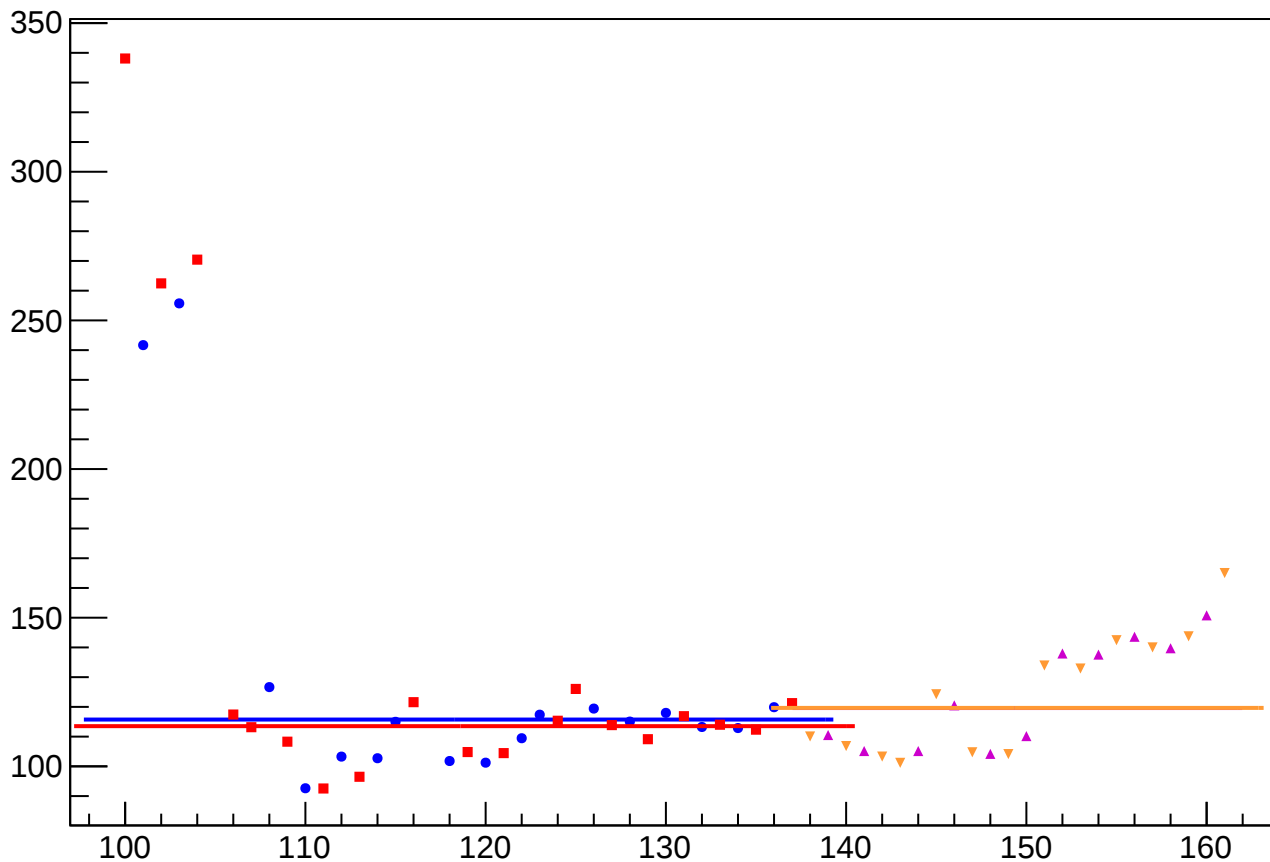
Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

Left In: 6382.594 ± 40.755 $\chi^2/\text{NDF}: 8664.2/10$

-4128.546 ± 30.147 $\chi^2/\text{NDF}: 47872.3/29$

4096.179 ± 30.208 $\chi^2/\text{NDF}: 21543.4/29$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 $\pm$ 0.033 χ^2 /NDF: 744017.7/16

Left Out: 119.657 $\pm$ 0.028 χ^2 /NDF: 436390.0/12

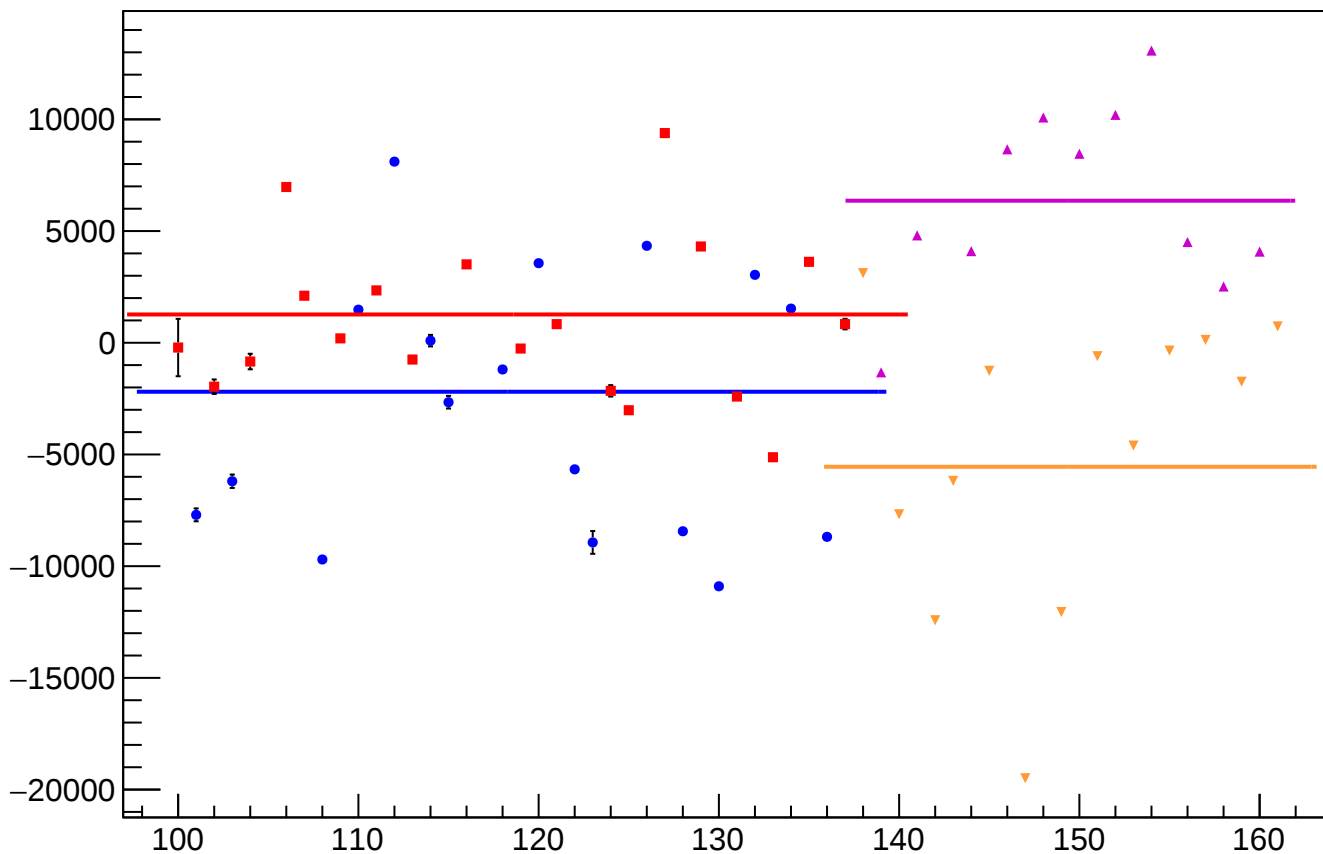
Right Out: 113.519 $\pm$ 0.032 χ^2 /NDF: 796640.6/18

Left In: 119.613 $\pm$ 0.029 χ^2 /NDF: 320453.7/10

118.068 $\pm$ 0.021 χ^2 /NDF: 1188547.6/29

116.867 $\pm$ 0.021 χ^2 /NDF: 1137245.9/29

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327 $\pm$ 39.944 χ^2/NDF : 22813.5/16

Left Out: -5550.625 $\pm$ 35.390 χ^2/NDF : 34199.5/12

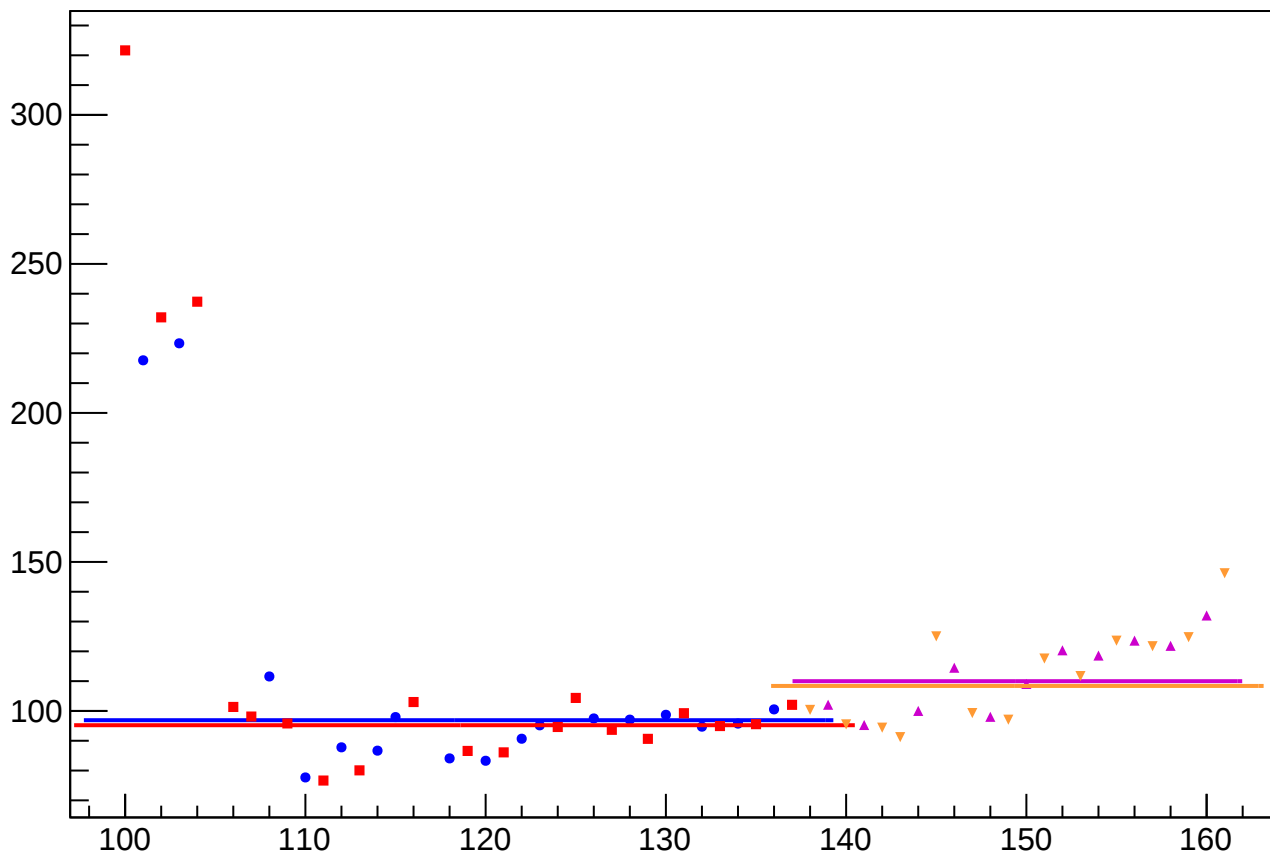
Right Out: 1266.189 $\pm$ 38.048 χ^2/NDF : 8550.5/18

Left In: 6358.844 $\pm$ 37.377 χ^2/NDF : 10797.6/10

-4073.732 $\pm$ 26.489 χ^2/NDF : 60973.1/29

3857.840 $\pm$ 26.664 χ^2/NDF : 28465.1/29

asym_bpm1i04WS_rms vs Slug



Right In: 96.894+/-0.028 χ^2/NDF : 817229.9/16

Left Out: 108.391+/-0.025 χ^2/NDF : 347273.1/12

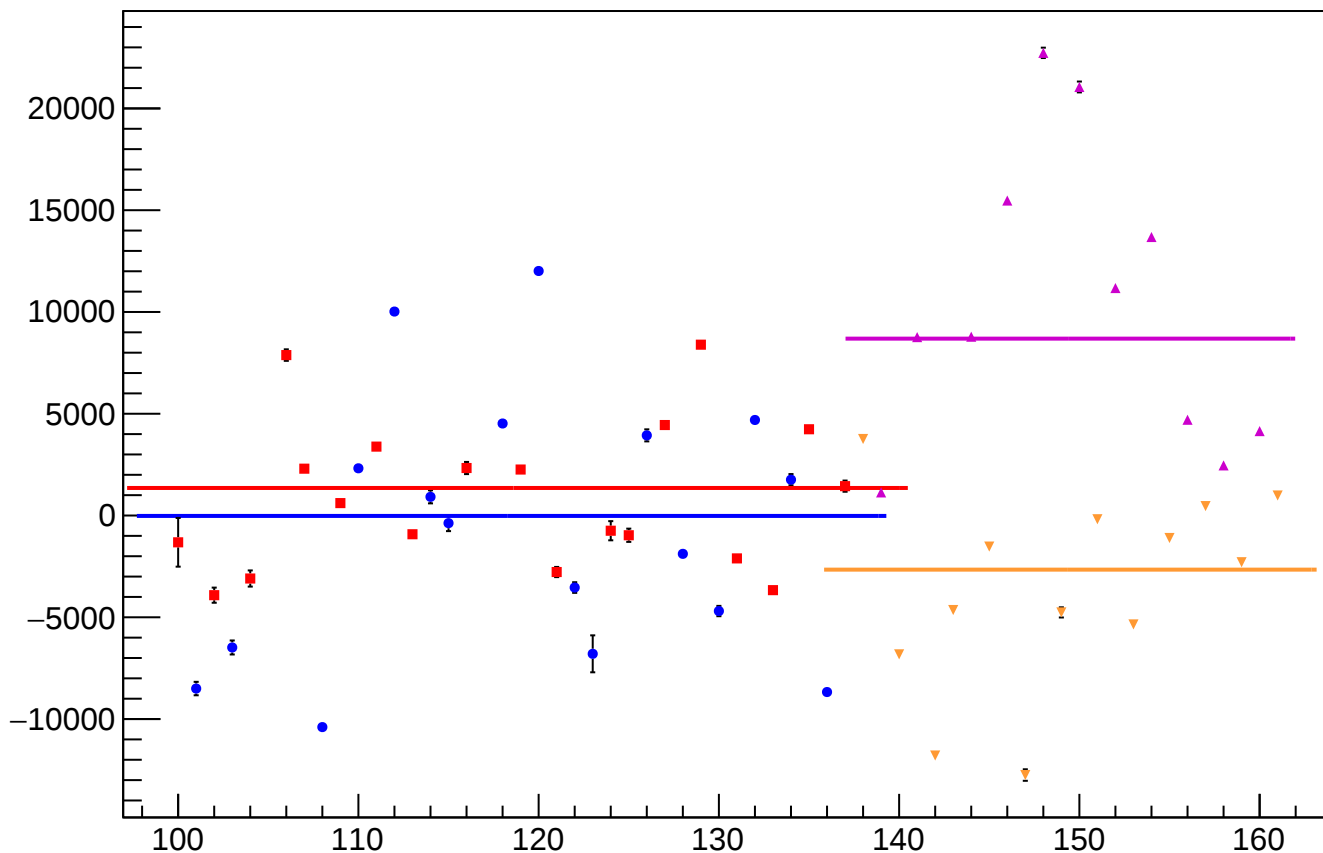
Right Out: 95.213+/-0.027 χ^2/NDF : 859809.7/18

Left In: 109.987+/-0.026 χ^2/NDF : 188340.0/10

103.335+/-0.019 χ^2/NDF : 1257324.6/29

102.732+/-0.019 χ^2/NDF : 1201599.6/29

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 χ^2/NDF : 16361.0/16

Left Out: -2658.788 ± 50.707 χ^2/NDF : 6619.7/12

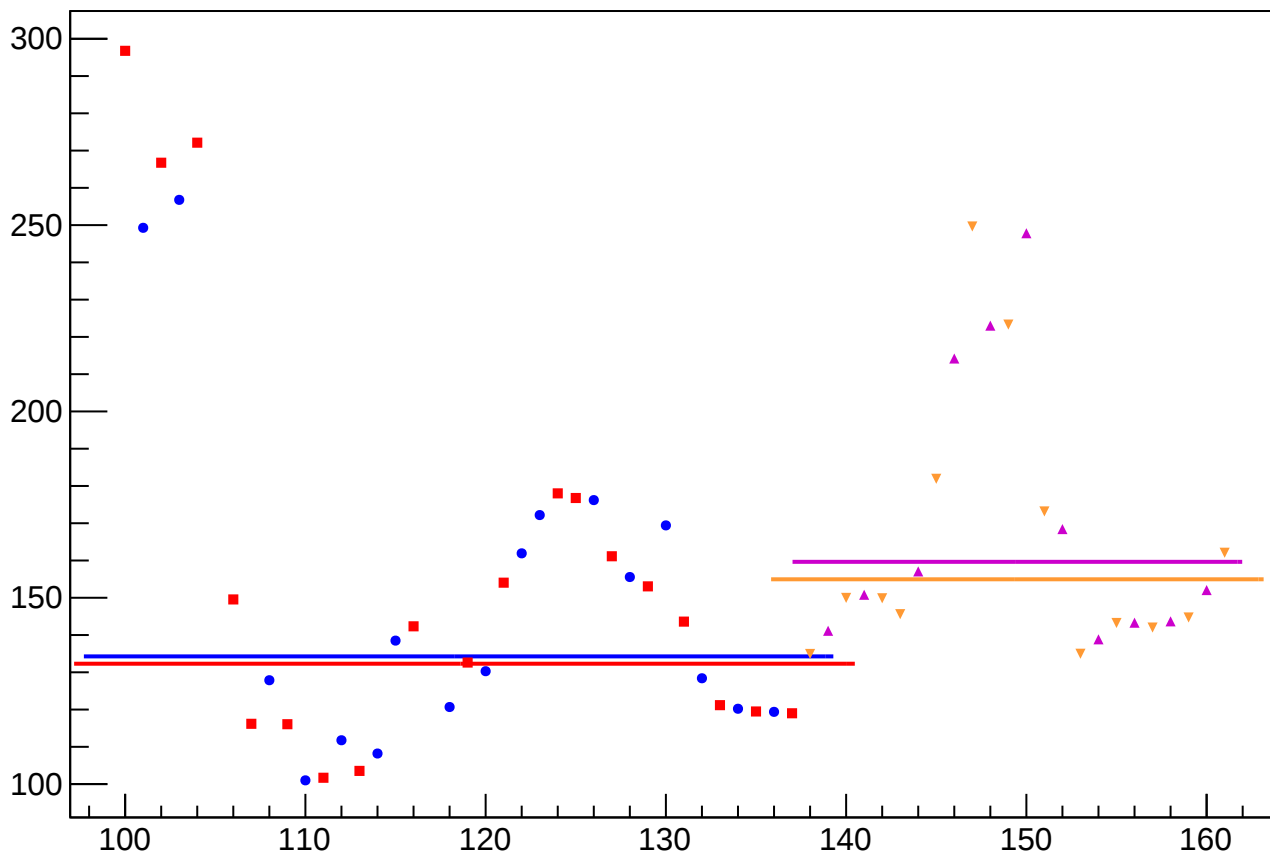
Right Out: 1353.461 ± 52.367 χ^2/NDF : 3837.2/18

Left In: 8690.343 ± 54.872 χ^2/NDF : 11950.2/10

-1437.851 ± 37.169 χ^2/NDF : 24233.7/29

4850.568 ± 37.884 χ^2/NDF : 25143.8/29

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 $\pm$ 0.039 χ^2 /NDF: 788647.0/16

Left Out: 154.955 $\pm$ 0.036 χ^2 /NDF: 532841.8/12

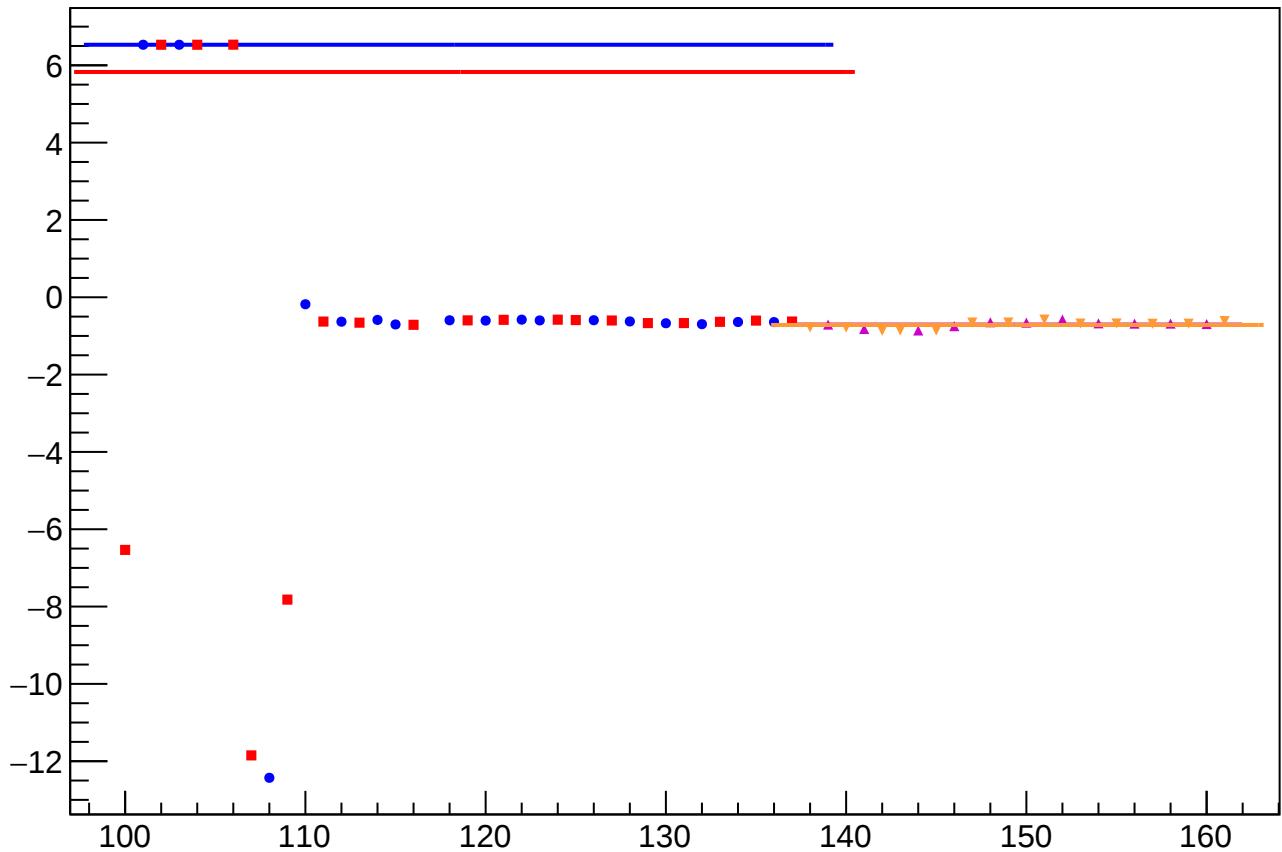
Right Out: 132.302 $\pm$ 0.037 χ^2 /NDF: 869892.7/18

Left In: 159.643 $\pm$ 0.039 χ^2 /NDF: 561815.8/10

145.383 $\pm$ 0.026 χ^2 /NDF: 1475512.0/29

145.334 $\pm$ 0.027 χ^2 /NDF: 1691576.6/29

yield_cav4bX_mean vs Slug



Right In: 6.532 ± 0.000 χ^2/NDF : 127906780672.7/16

Left Out: -0.716 ± 0.000 χ^2/NDF : 83243006.1/12

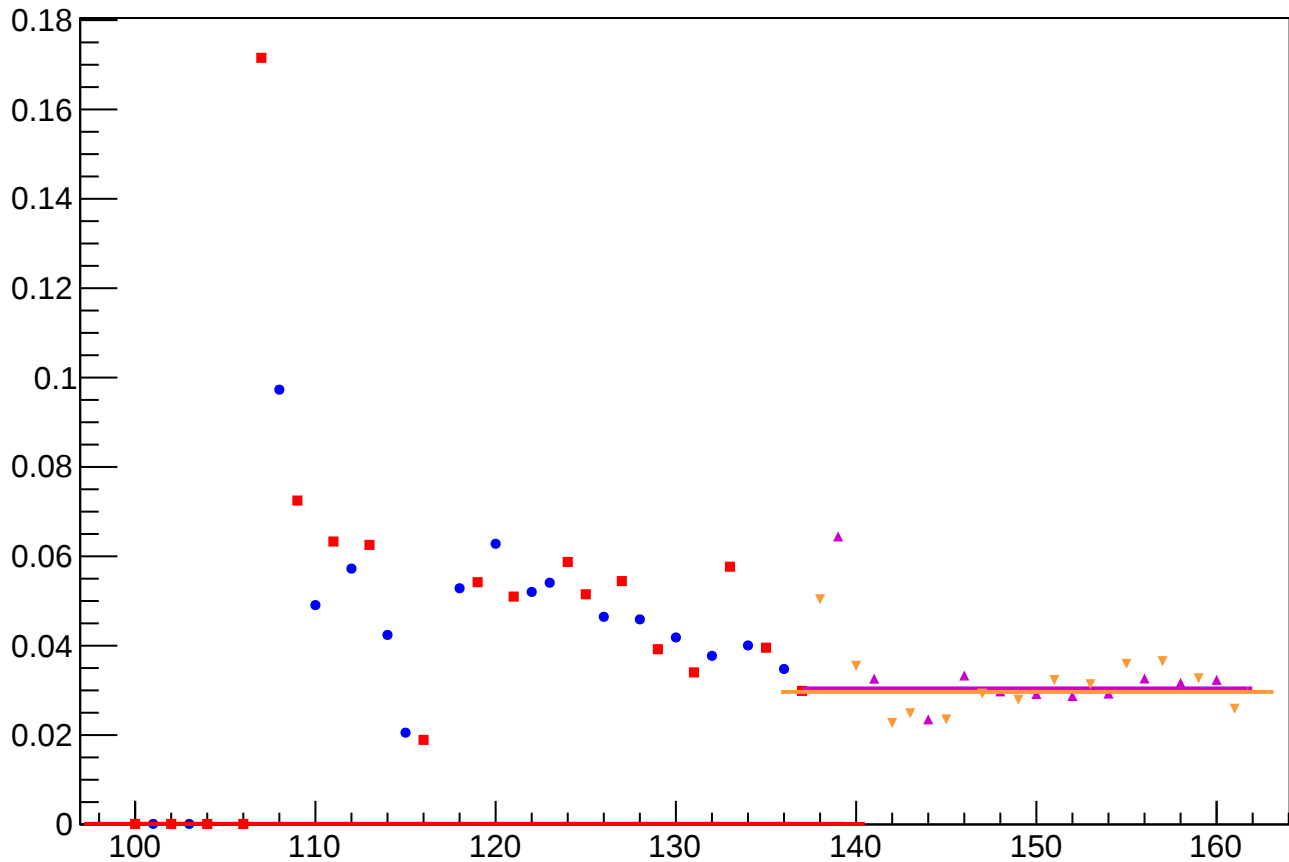
6.531 ± 0.000 χ^2/NDF : 583424317412.9/29

Right Out: 5.827 ± 0.000 χ^2/NDF : 755948646460090.5/18

5.827 ± 0.000 χ^2/NDF : 756274764389307.6/29

Left In: -0.706 ± 0.000 χ^2/NDF : 54749324.5/10

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.030+/-0.000 χ^2/NDF :548336.8/12

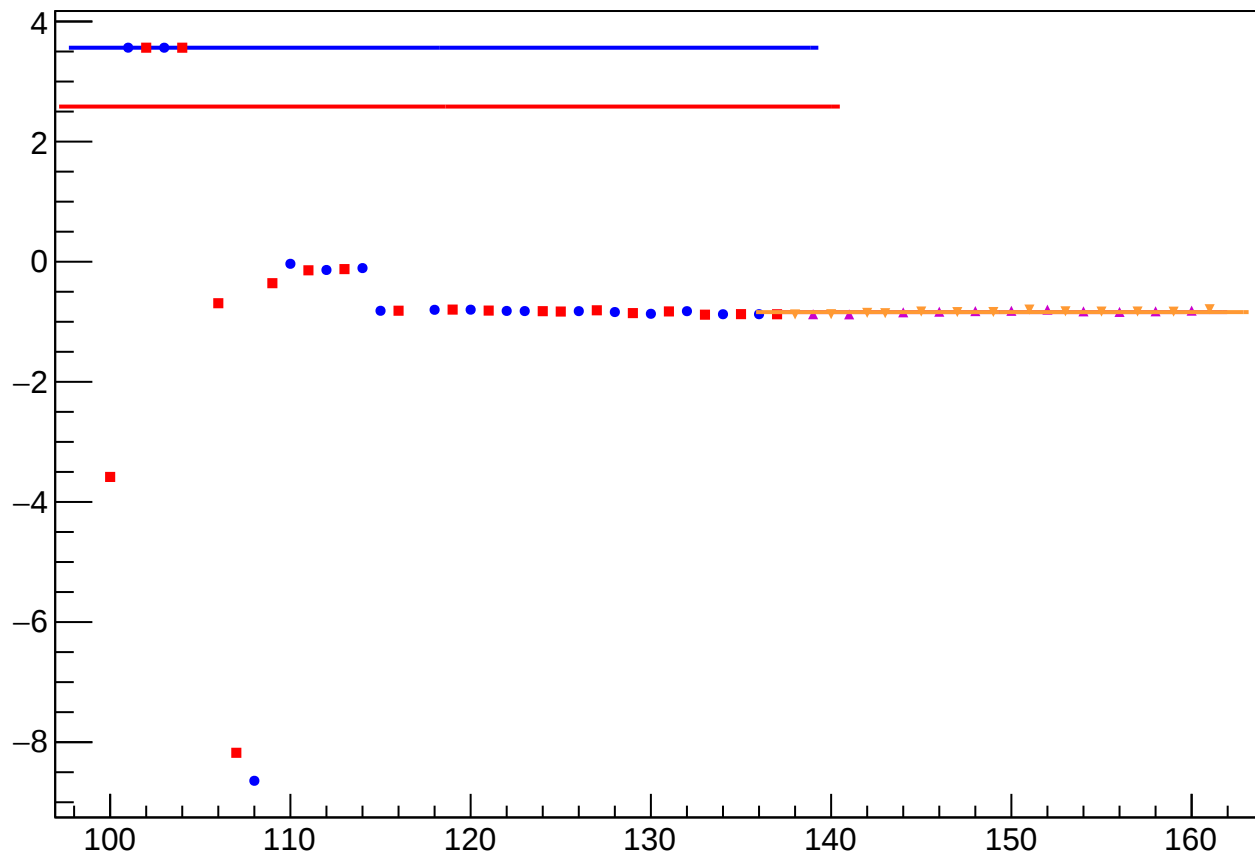
Right Out: 0.000+/-0.000 χ^2/NDF : 9373556.8/18

Left In: 0.030+/-0.000 χ^2/NDF :511918.7/10

0.000+/-0.000 χ^2/NDF : 24702466.1/29

0.000+/-0.000 χ^2/NDF : 23926543.8/29

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.839+/-0.000 χ^2/NDF : 64897758.4/12

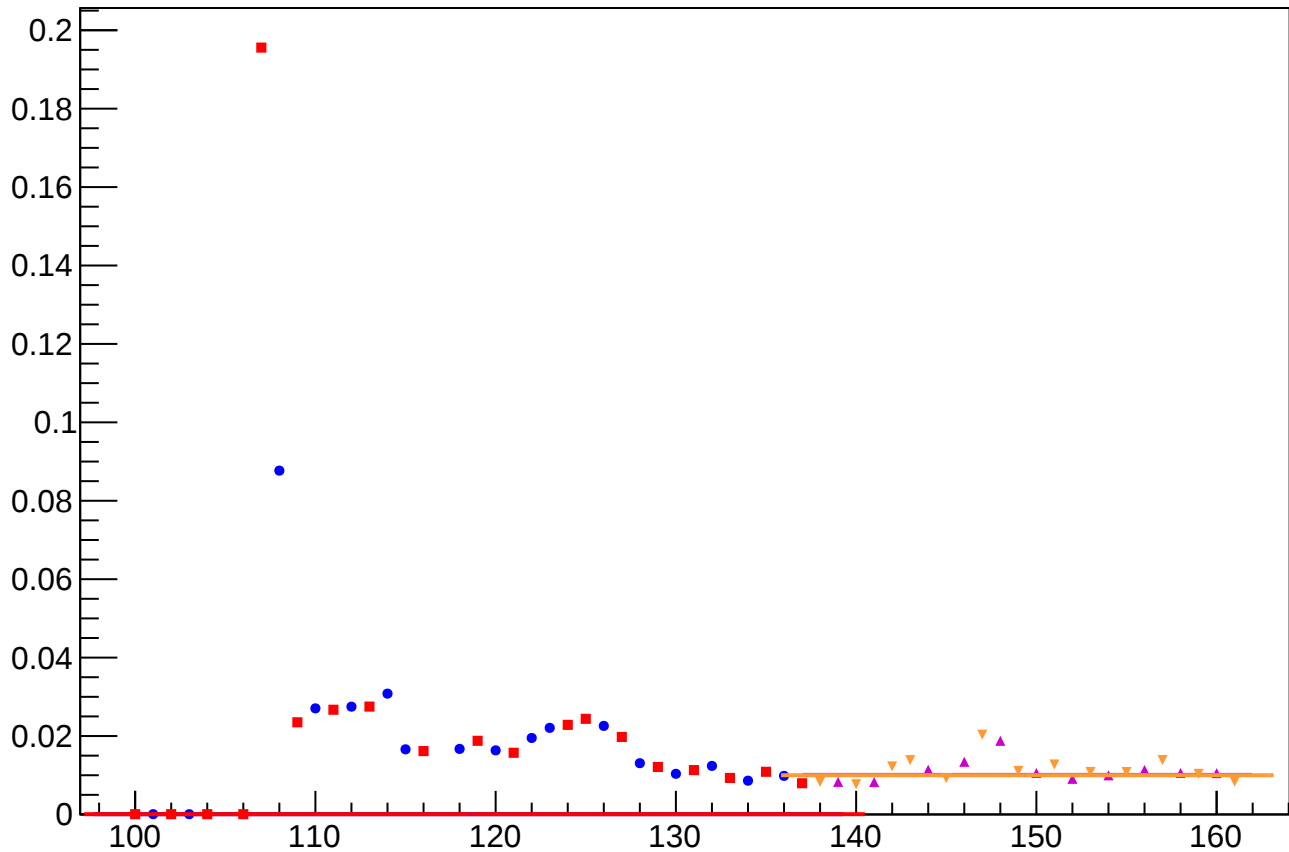
Right Out: 2.583+/-0.000 χ^2/NDF : 1253505323583154.2/18

Left In: -0.839+/-0.000 χ^2/NDF : 51146100.7/10

3.562+/-0.000 χ^2/NDF : 1907599703604.7/29

2.583+/-0.000 χ^2/NDF : 1254281086374208.0/29

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9848258.0/16

Left Out: 0.010+/-0.000 χ^2/NDF : 868018.3/12

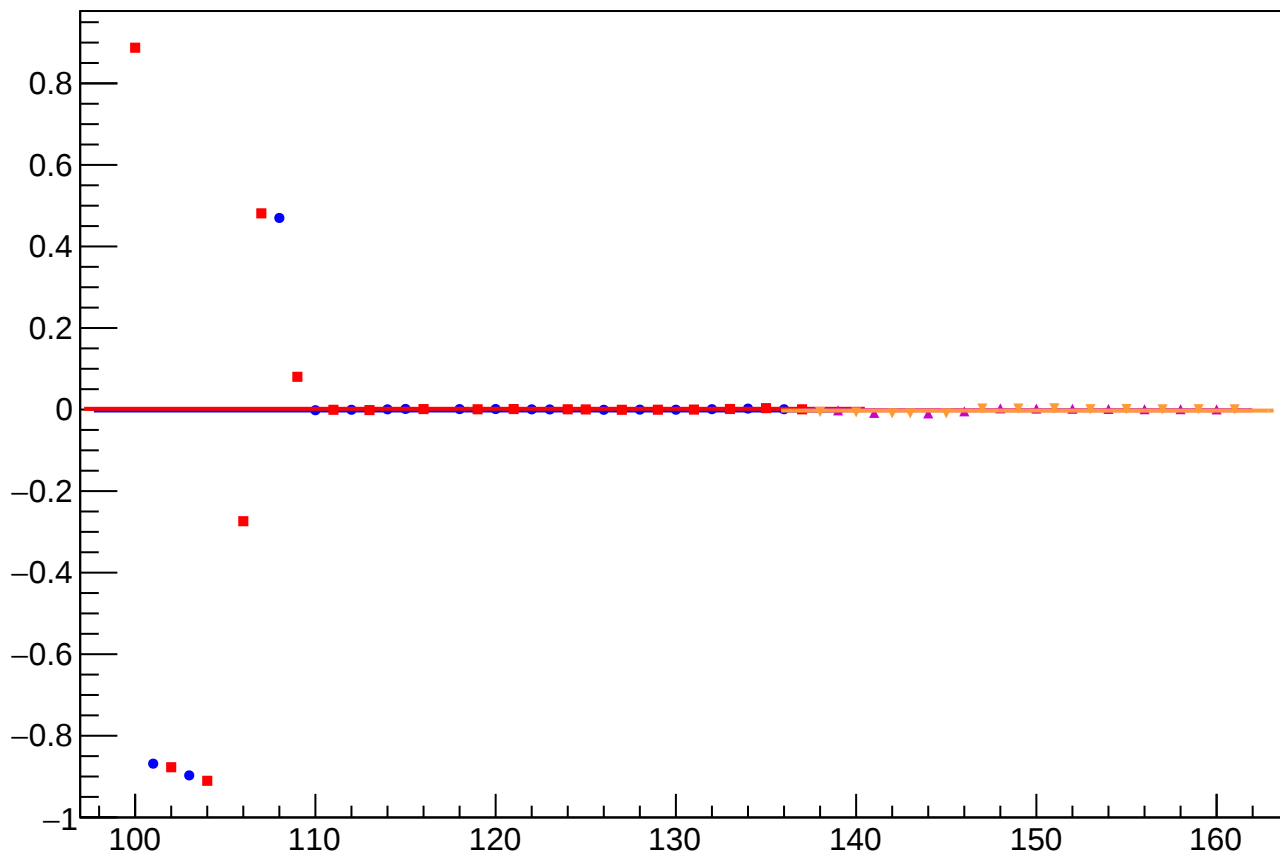
Right Out: 0.000+/-0.000 χ^2/NDF : 9880078.9/18

Left In: 0.010+/-0.000 χ^2/NDF : 555955.3/10

0.000+/-0.000 χ^2/NDF : 25172181.8/29

0.000+/-0.000 χ^2/NDF : 23726785.8/29

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9795424036.3/16

Left Out: -0.002+/-0.000 χ^2/NDF : 81859088.3/12

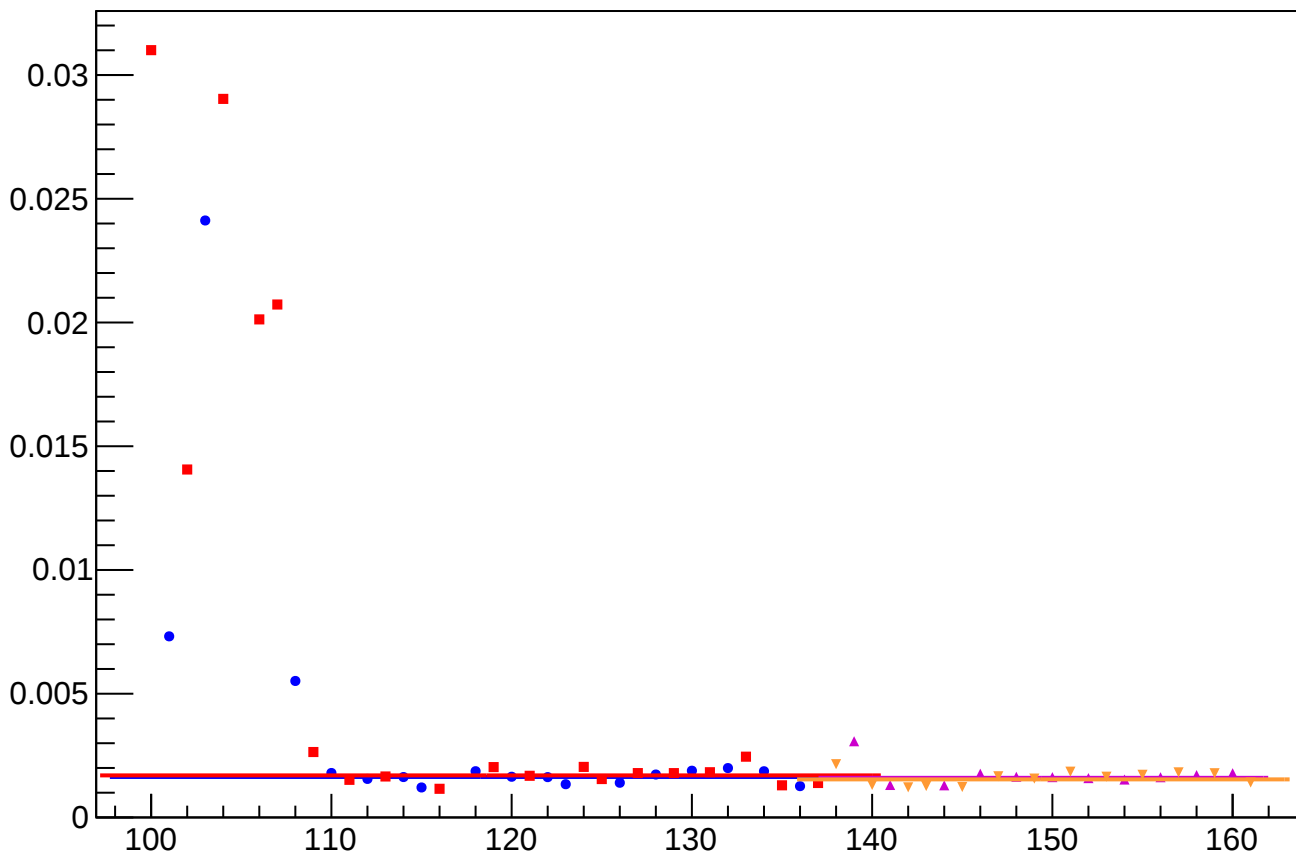
Right Out: 0.002+/-0.000 χ^2/NDF : 3041331104.7/18

Left In: -0.002+/-0.000 χ^2/NDF : 58231389.3/10

-0.002+/-0.000 χ^2/NDF : 9877333480.7/29

-0.000+/-0.000 χ^2/NDF : 3111431714.4/29

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 : 414197.3/12

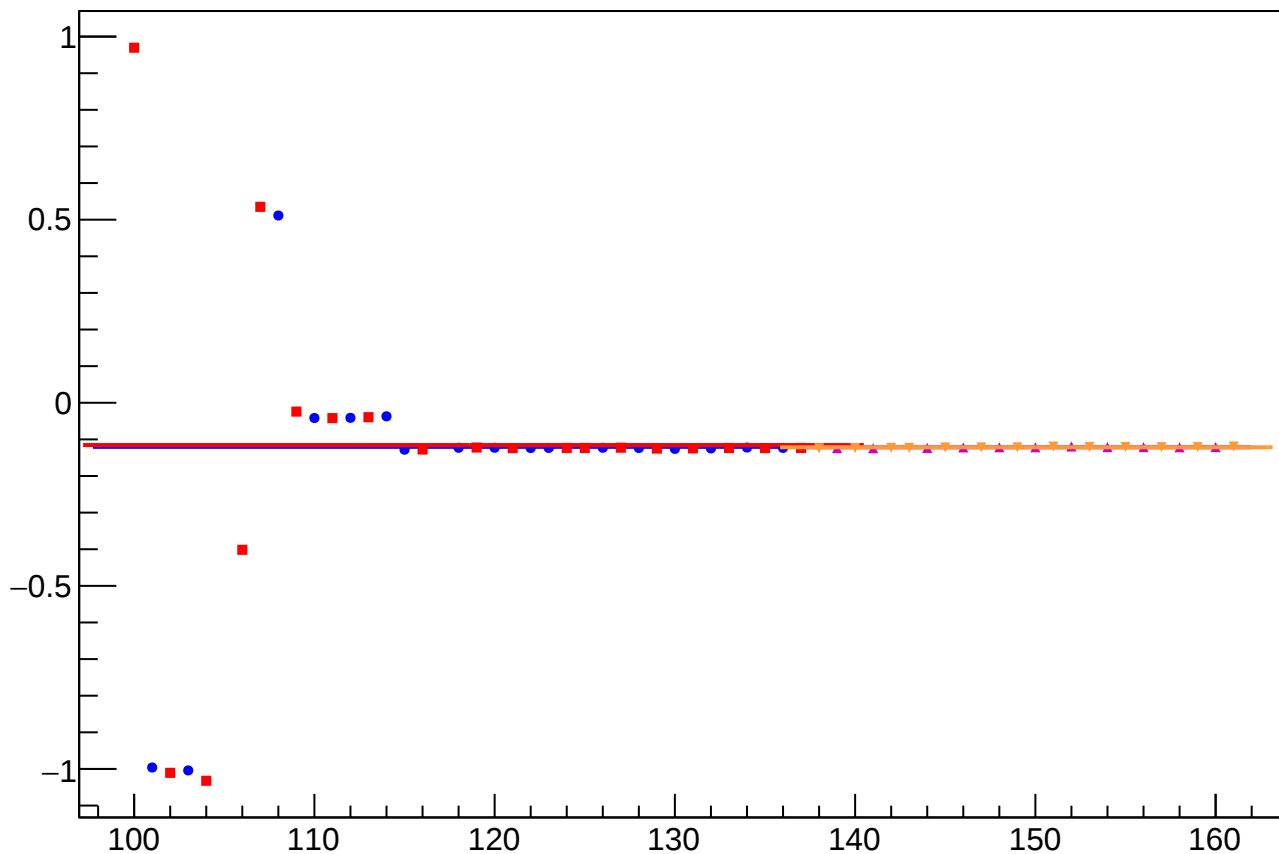
Right Out: 0.002+/-0.000 χ^2/NDF : 3025332.9/18

Left In: 0.002+/-0.000 χ^2/NDF : 471734.6/10

0.002+/-0.000 χ^2/NDF : 2354493.6/29

0.002+/-0.000 χ^2/NDF : 3516365.7/29

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.122+/-0.000 χ^2/NDF : 14173838.8/12

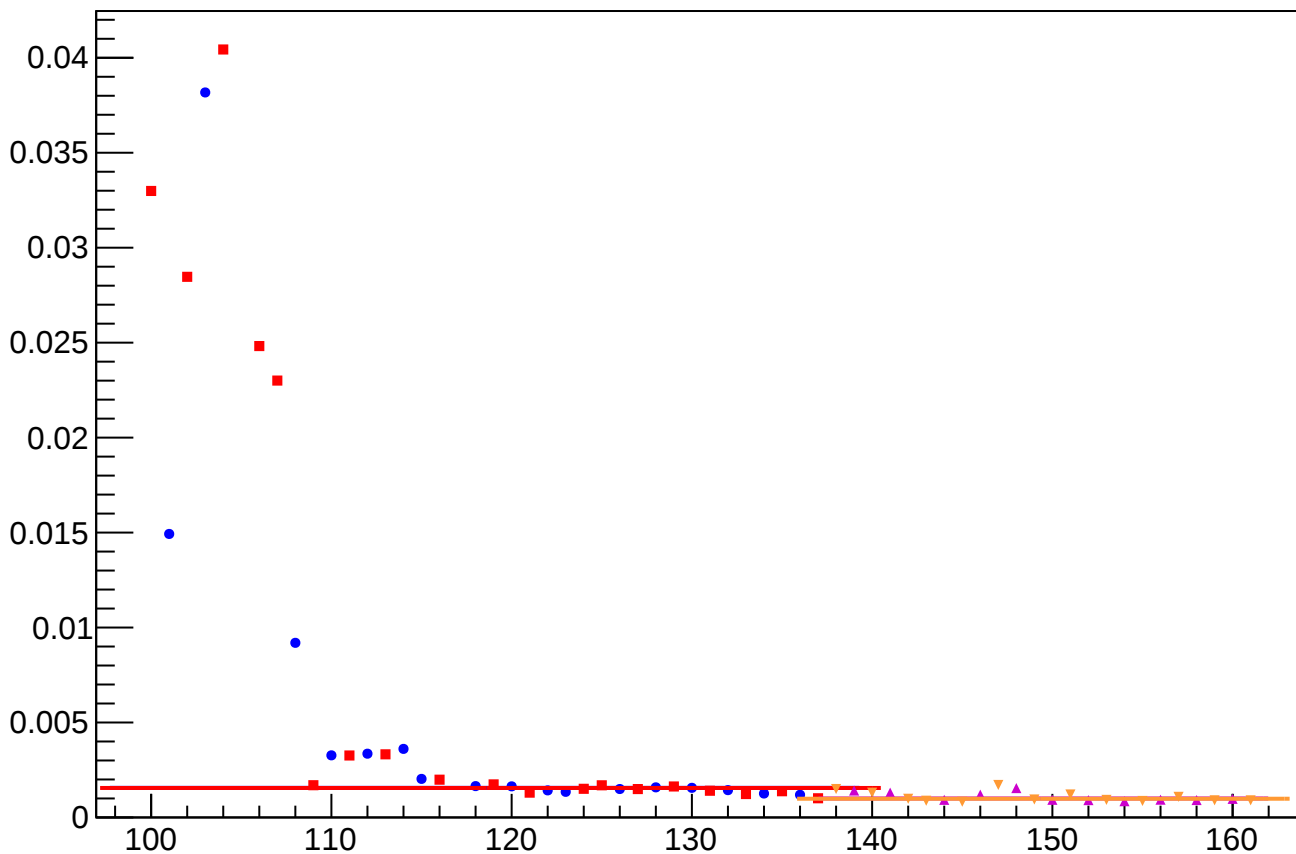
-0.121+/-0.000 χ^2/NDF : 3948628031.5/29

Right Out: -0.115+/-0.000 χ^2/NDF : 2457092455.9/18

-0.120+/-0.000 χ^2/NDF : 2526737715.5/29

Left In: -0.122+/-0.000 χ^2/NDF : 12734725.9/10

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 : 697830.9/12

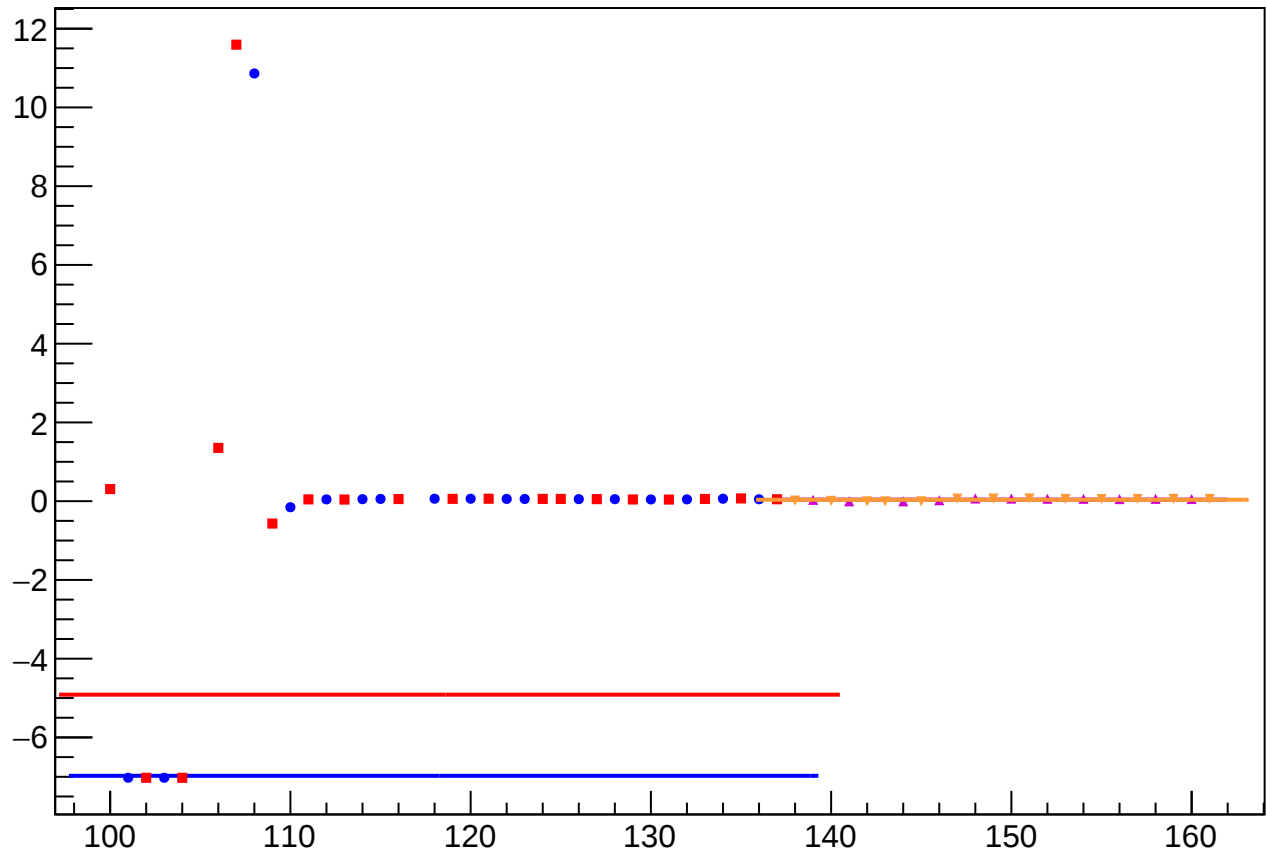
Right Out: 0.002+/-0.000 χ^2/NDF : 3538622.3/18

Left In: 0.001+/-0.000 χ^2/NDF : 517162.3/10

0.001+/-0.000 χ^2/NDF : 4630736.9/29

0.001+/-0.000 χ^2/NDF : 4998640.1/29

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.036+/-0.000 χ^2/NDF : 82854358.1/12

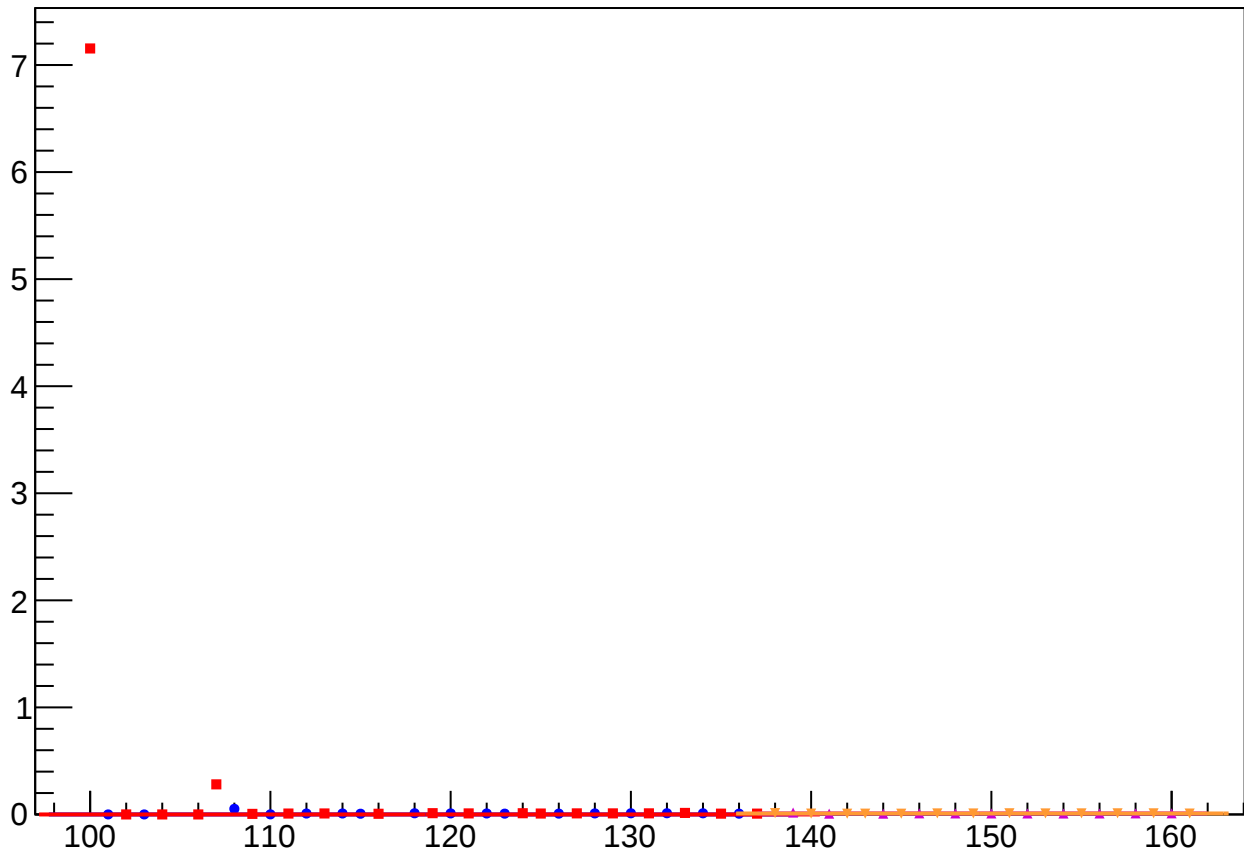
Right Out: -4.914+/-0.000 χ^2/NDF : 365362215369689.4/18

Left In: 0.041+/-0.000 χ^2/NDF : 64131441.9/10

-6.949+/-0.000 χ^2/NDF : 13308827586024.4/29

-4.899+/-0.000 χ^2/NDF : 367333451711507.2/2

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 : 408073.7/12

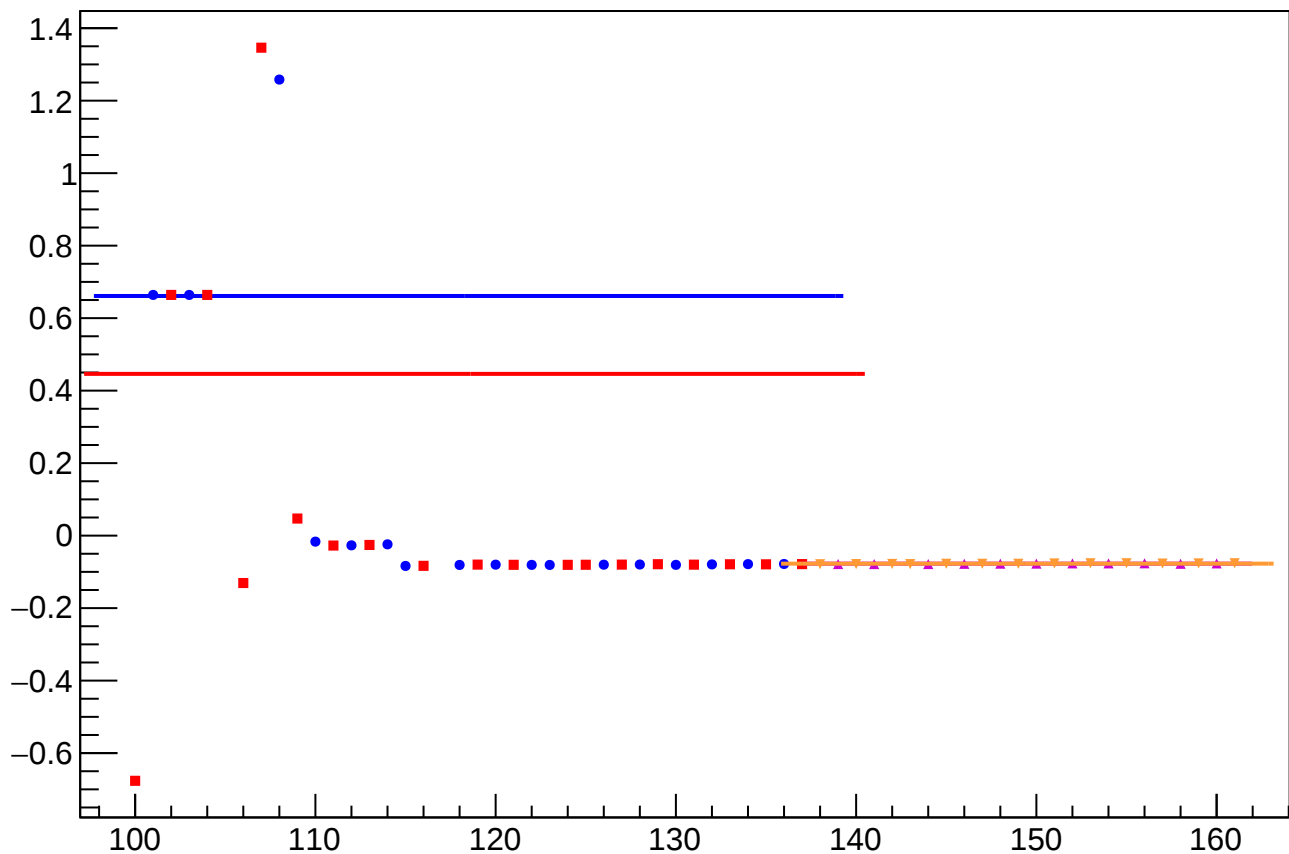
Right Out: 0.000+/-0.000 χ^2/NDF : 8802124.3/18

Left In: 0.009+/-0.000 χ^2/NDF : 475385.3/10

0.000+/-0.000 χ^2/NDF : 23316152.2/29

0.000+/-0.000 χ^2/NDF : 22862359.4/29

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5678332616622.1/16

Left Out: -0.077 $\pm$ 0.000 χ^2 /NDF: 23964148.7/12

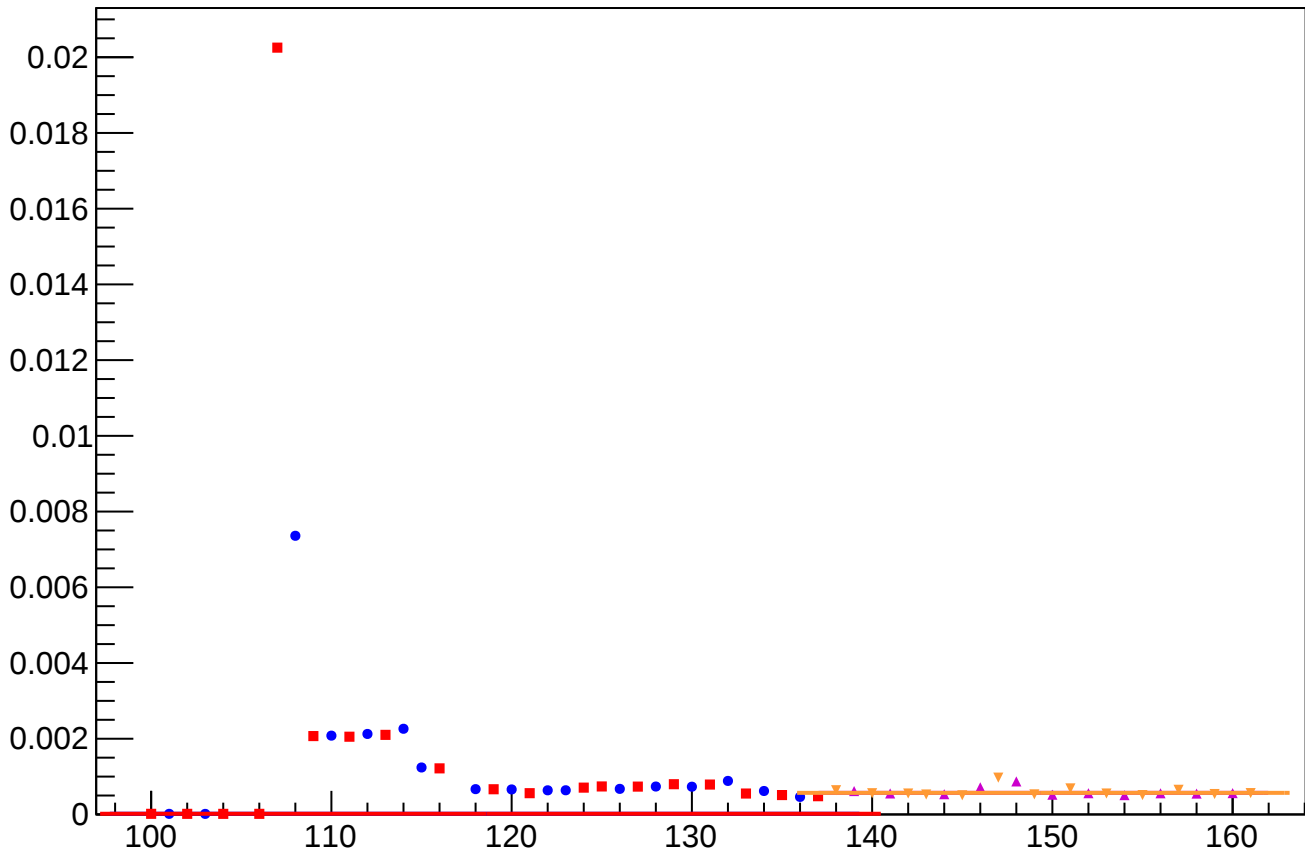
Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405428604683882.5/18

Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 16349622.8/10

0.653 $\pm$ 0.000 χ^2 /NDF: 20840356490445.8/29

0.441 $\pm$ 0.000 χ^2 /NDF: 412535007155088.4/29

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 : 407002.5/12

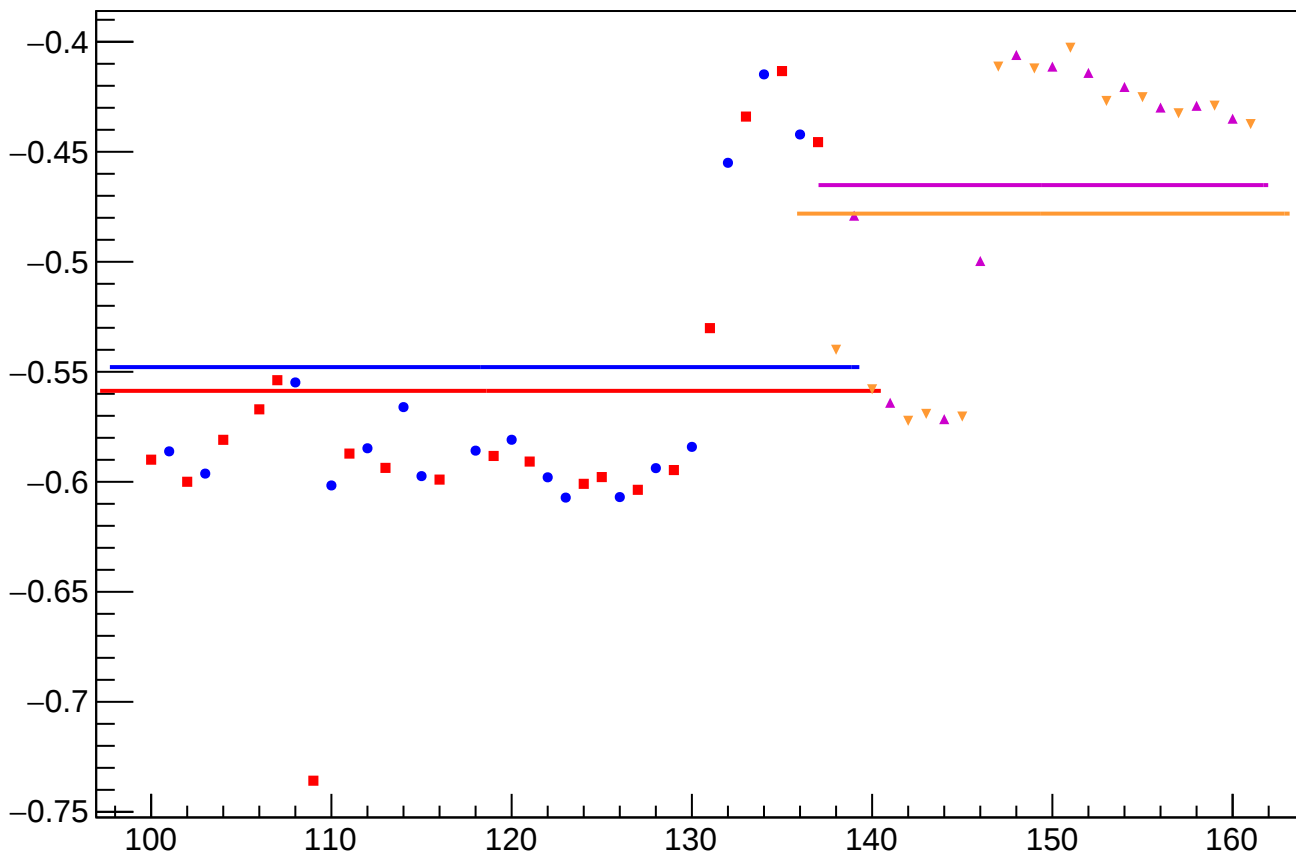
Right Out: 0.000+/-0.000 χ^2/NDF : 9500798.4/18

Left In: 0.001+/-0.000 χ^2/NDF : 303881.2/10

0.000+/-0.000 χ^2/NDF : 27360868.9/29

0.000+/-0.000 χ^2/NDF : 25590093.5/29

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.478+/-0.000 χ^2/NDF : 91927769.6/12

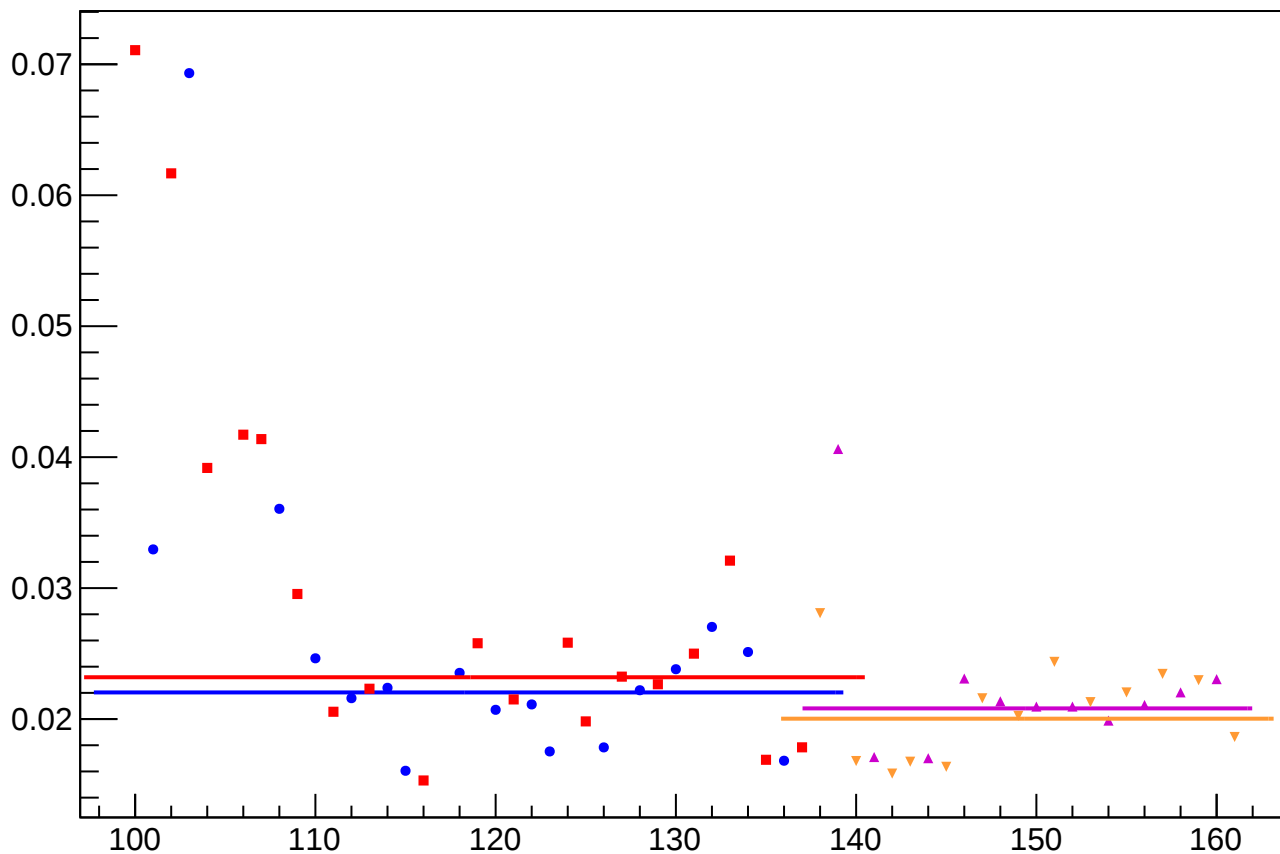
Right Out: -0.559+/-0.000 χ^2/NDF : 65682293.5/18

Left In: -0.465+/-0.000 χ^2/NDF : 67319473.3/10

-0.503+/-0.000 χ^2/NDF : 173364477.2/29

-0.501+/-0.000 χ^2/NDF : 186923050.7/29

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 : 390050.5/12

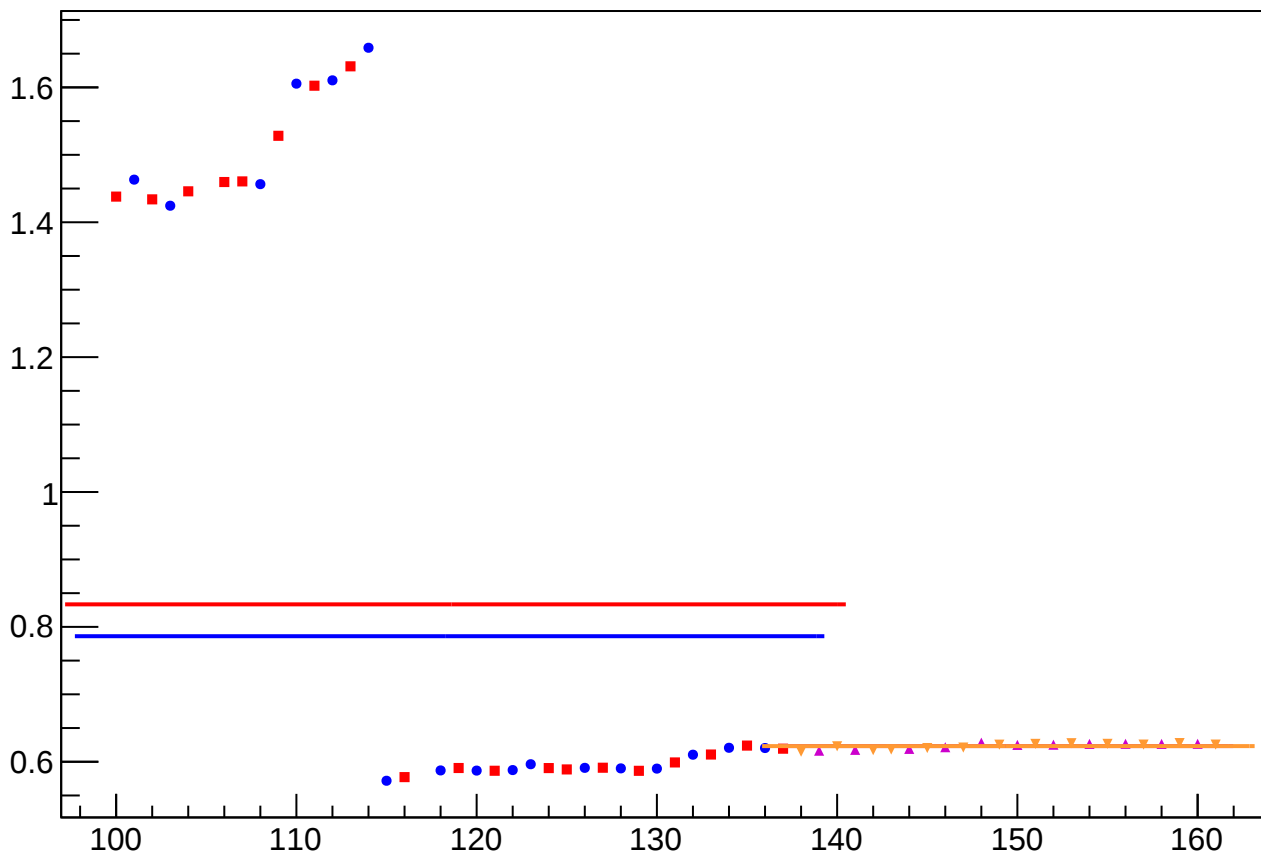
Right Out: 0.023+/-0.000 χ^2/NDF : 1156989.7/18

Left In: 0.021+/-0.000 χ^2/NDF : 472405.4/10

0.021+/-0.000 χ^2/NDF : 1403257.4/29

0.022+/-0.000 χ^2/NDF : 1699173.3/29

yield_bpm4aY_mean vs Slug



Right In: 0.786 $\pm$ 0.000 χ^2/NDF : 3590113316.1/16

Left Out: 0.623 $\pm$ 0.000 χ^2/NDF : 986855.6/12

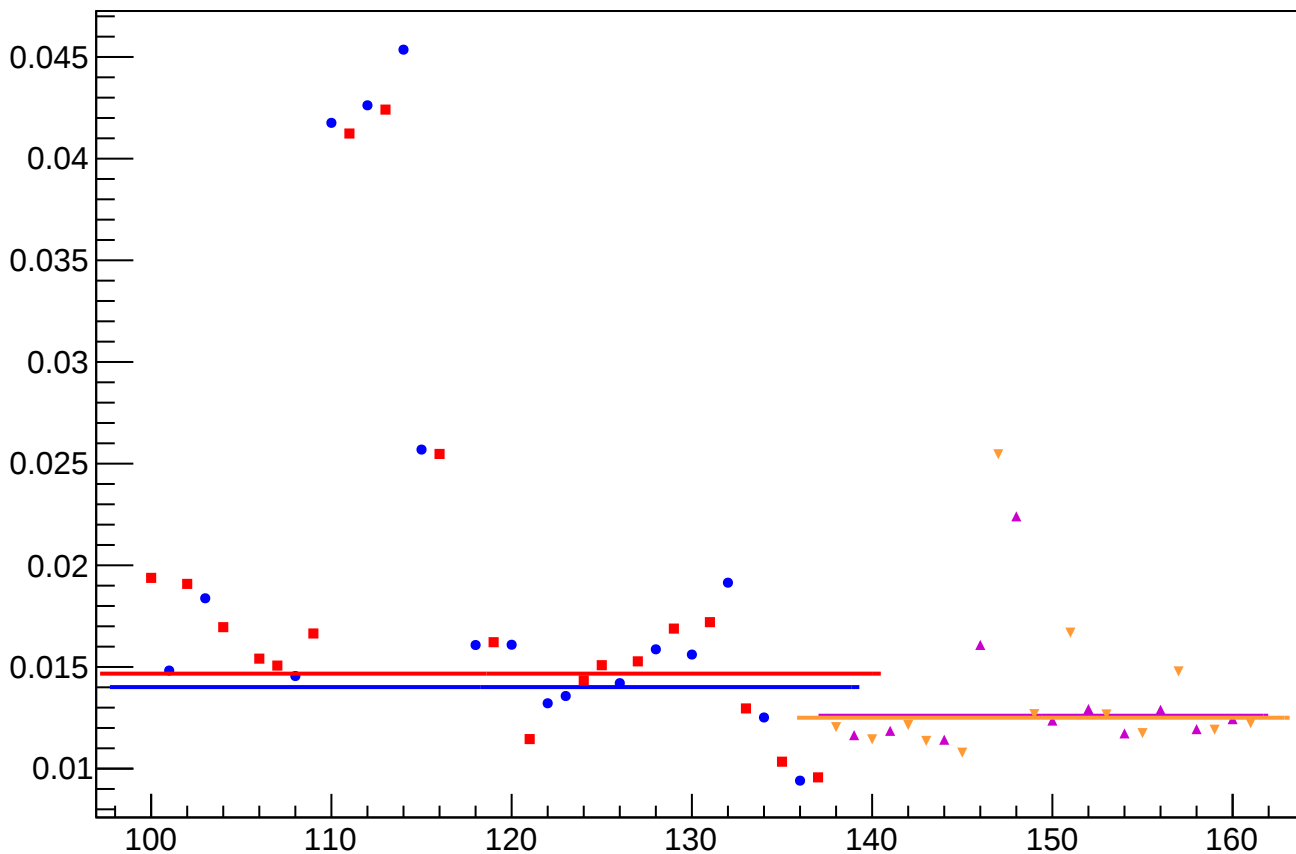
Right Out: 0.833 $\pm$ 0.000 χ^2/NDF : 4156812252.4/18

Left In: 0.623 $\pm$ 0.000 χ^2/NDF : 837207.3/10

0.677 $\pm$ 0.000 χ^2/NDF : 4104927909.8/29

0.695 $\pm$ 0.000 χ^2/NDF : 4967137655.0/29

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 : 588310.1/12

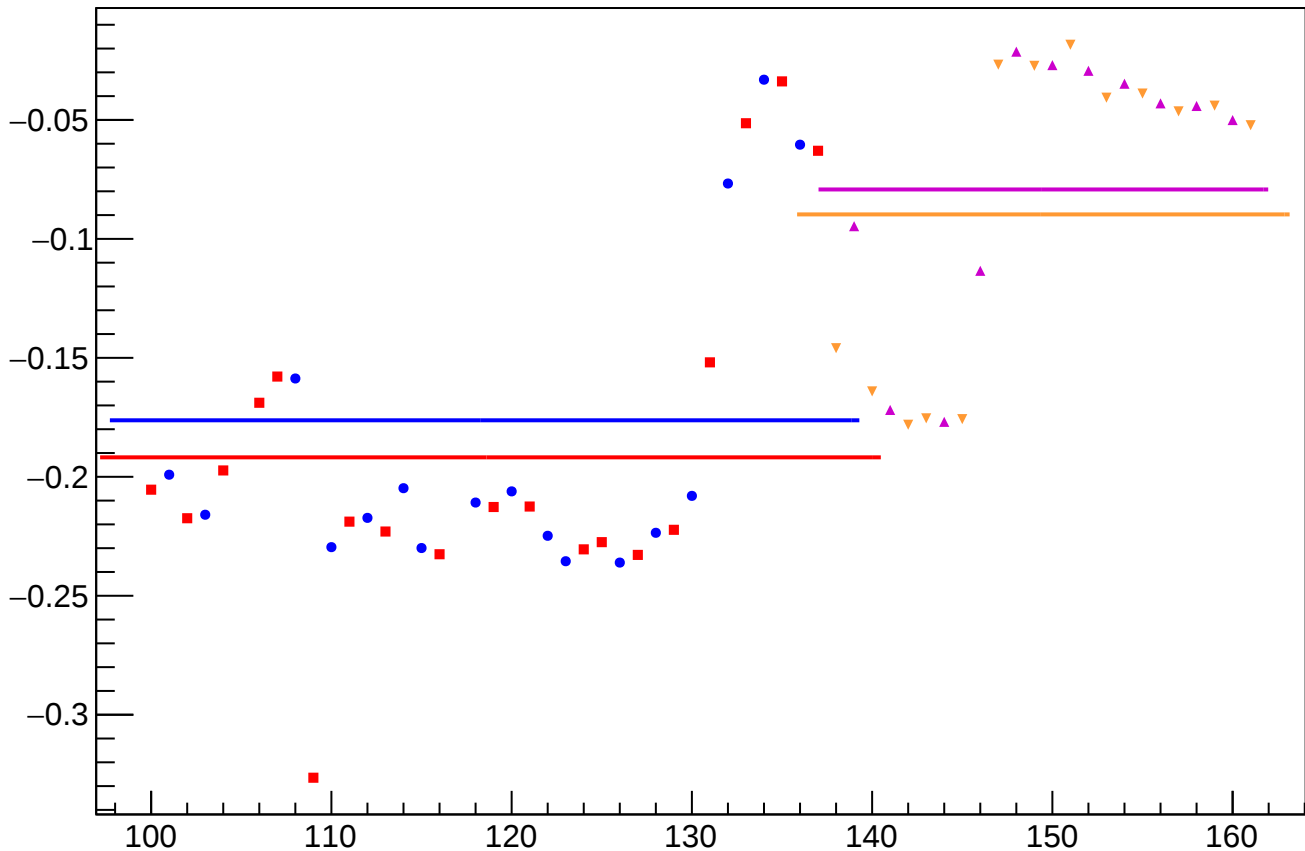
0.013+/-0.000 χ^2/NDF : 2081013.4/29

Right Out: 0.015+/-0.000 χ^2/NDF : 1263462.0/18

0.013+/-0.000 χ^2/NDF : 1829681.4/29

Left In: 0.013+/-0.000 χ^2/NDF : 409026.7/10

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.090+/-0.000 χ^2/NDF : 88594803.5/12

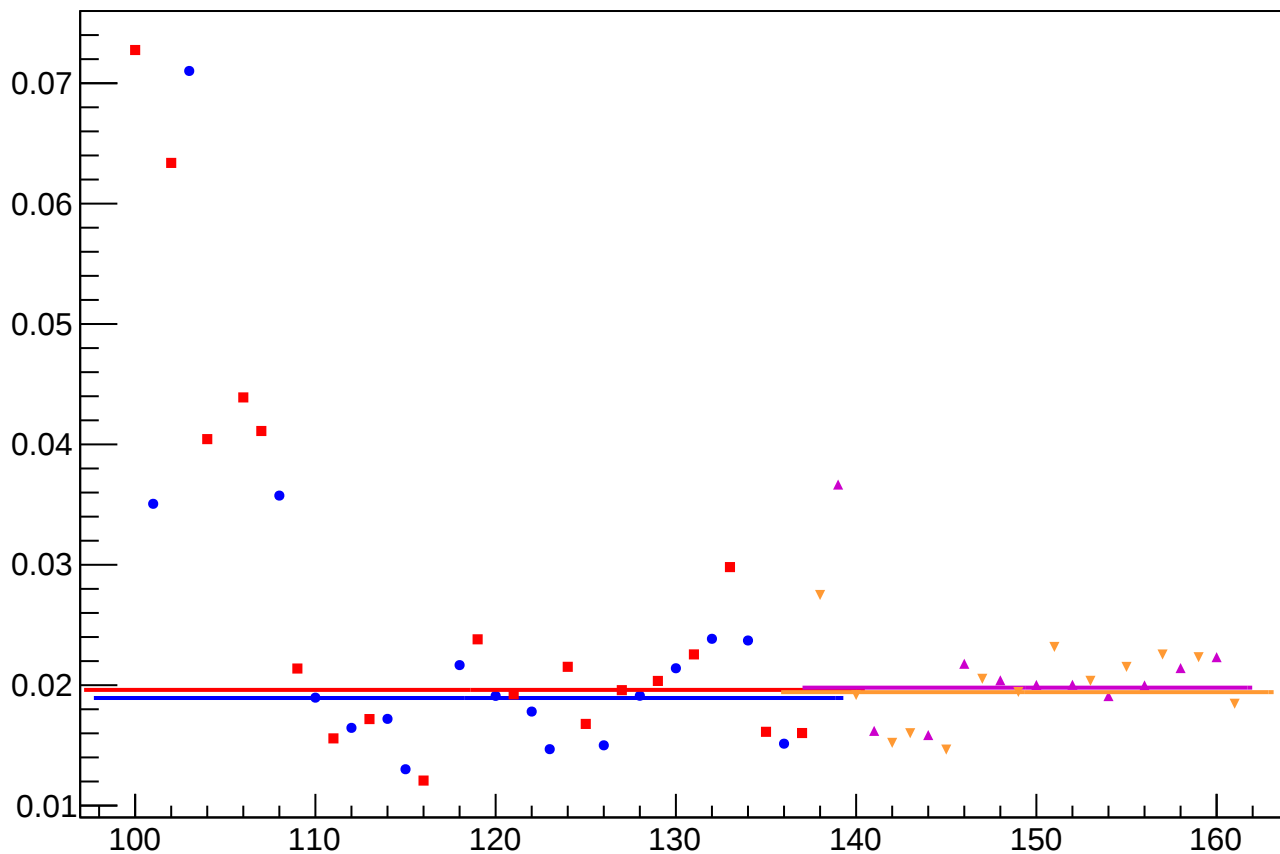
Right Out: -0.192+/-0.000 χ^2/NDF : 83809115.6/18

Left In: -0.079+/-0.000 χ^2/NDF : 68345232.0/10

-0.125+/-0.000 χ^2/NDF : 220758335.4/29

-0.127+/-0.000 χ^2/NDF : 250333111.2/29

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 : 415978.7/12

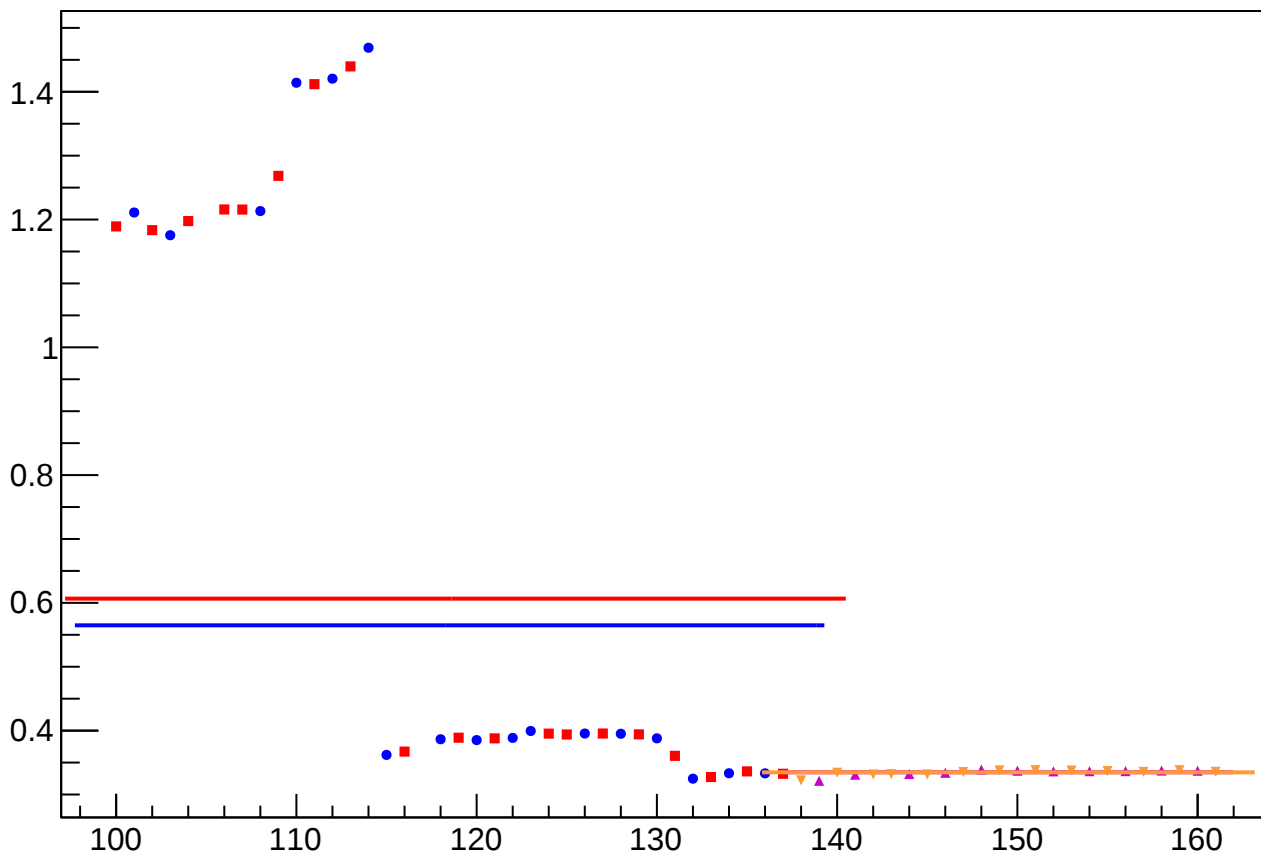
Right Out: 0.020+/-0.000 χ^2/NDF : 1457660.9/18

Left In: 0.020+/-0.000 χ^2/NDF : 461810.7/10

0.019+/-0.000 χ^2/NDF : 1625759.2/29

0.020+/-0.000 χ^2/NDF : 1920009.2/29

yield_bpm4eY_mean vs Slug



Right In: 0.565+/-0.000 χ^2/NDF : 5030969499.3/16

Left Out: 0.335+/-0.000 χ^2/NDF : 1065647.5/12

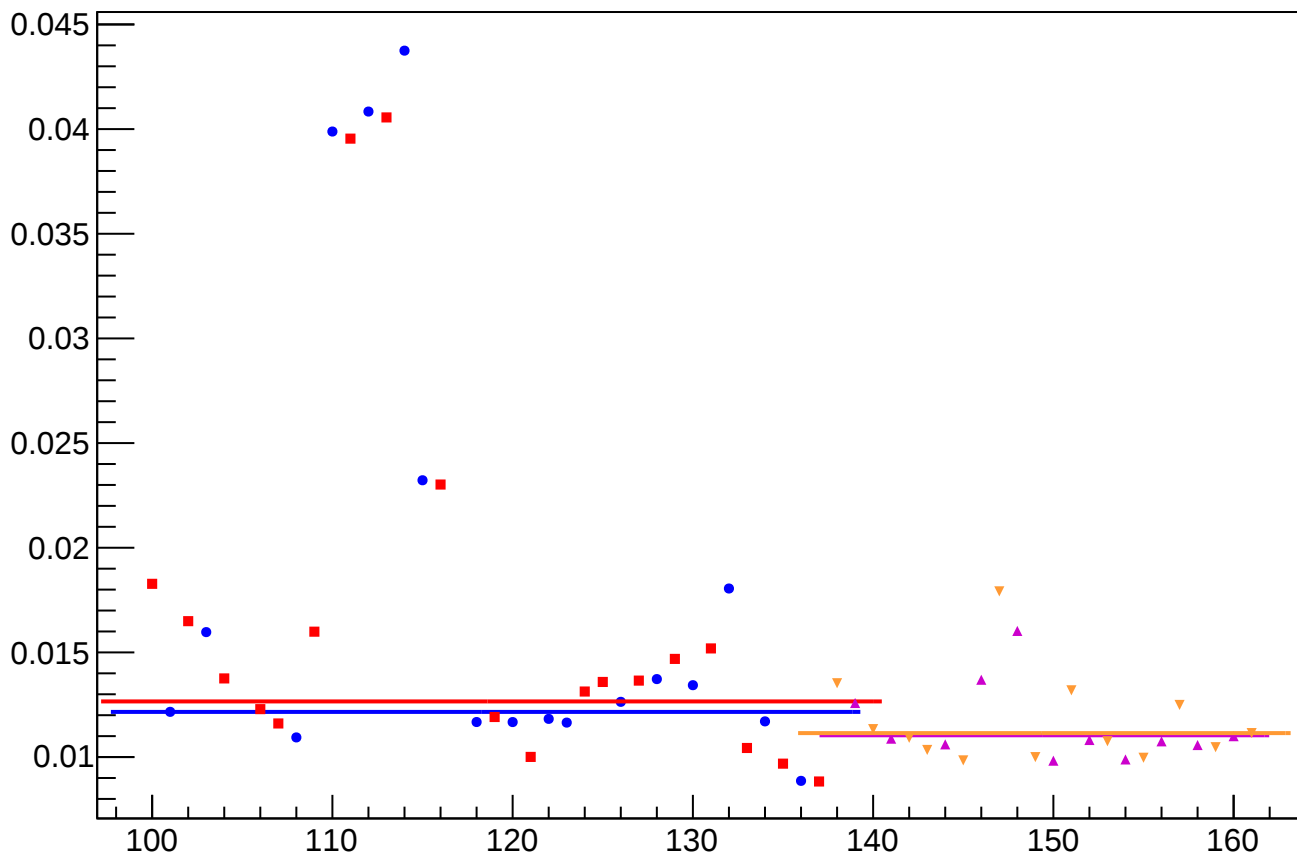
Right Out: 0.607+/-0.000 χ^2/NDF : 5513752213.8/18

Left In: 0.335+/-0.000 χ^2/NDF : 1153404.7/10

0.413+/-0.000 χ^2/NDF : 6367782234.9/29

0.429+/-0.000 χ^2/NDF : 7294175473.3/29

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1309888.8/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 394865.2/12

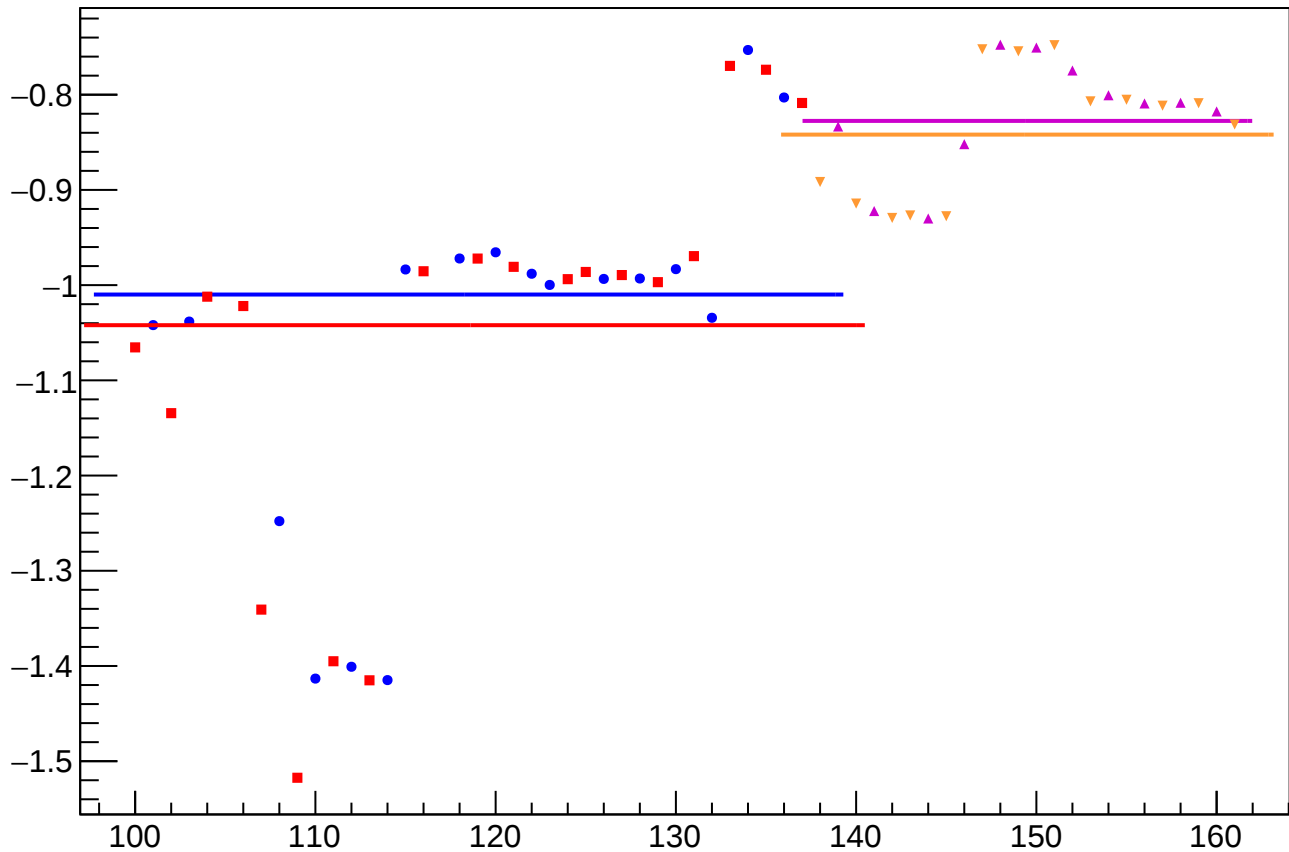
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1270689.5/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 281667.9/10

0.011 $\pm$ 0.000 χ^2 /NDF: 1756485.0/29

0.012 $\pm$ 0.000 χ^2 /NDF: 1678353.4/29

yield_bpm4acX_mean vs Slug



Right In: -1.010 $\pm$ 0.000 χ^2 /NDF: 387650332.0/16

Left Out: -0.842 $\pm$ 0.000 χ^2 /NDF: 91637790.9/12

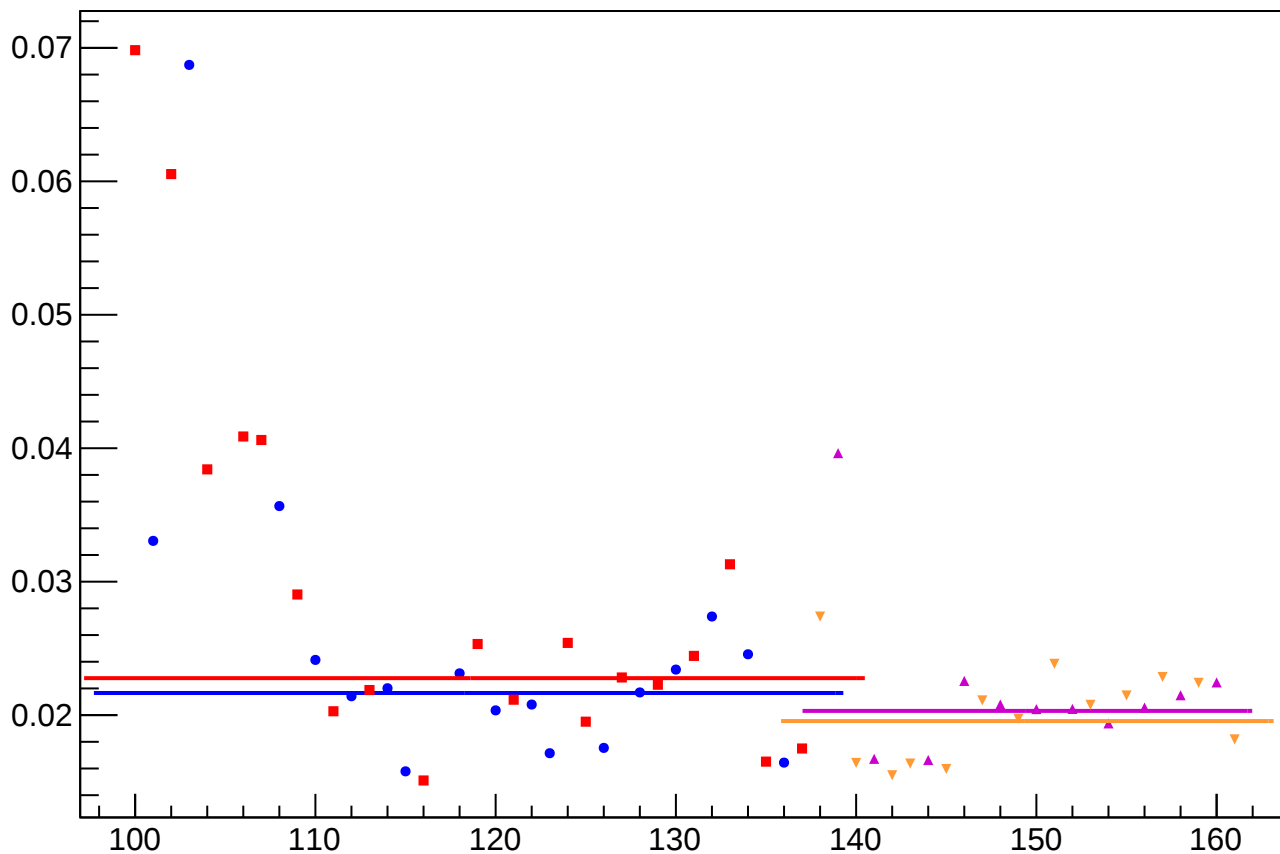
Right Out: -1.042 $\pm$ 0.000 χ^2 /NDF: 530106141.8/18

Left In: -0.828 $\pm$ 0.000 χ^2 /NDF: 69998514.8/10

-0.901 $\pm$ 0.000 χ^2 /NDF: 677201494.3/29

-0.908 $\pm$ 0.000 χ^2 /NDF: 895488758.5/29

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 983499.8/16

Left Out: 0.020 ± 0.000 χ^2/NDF : 388071.6/12

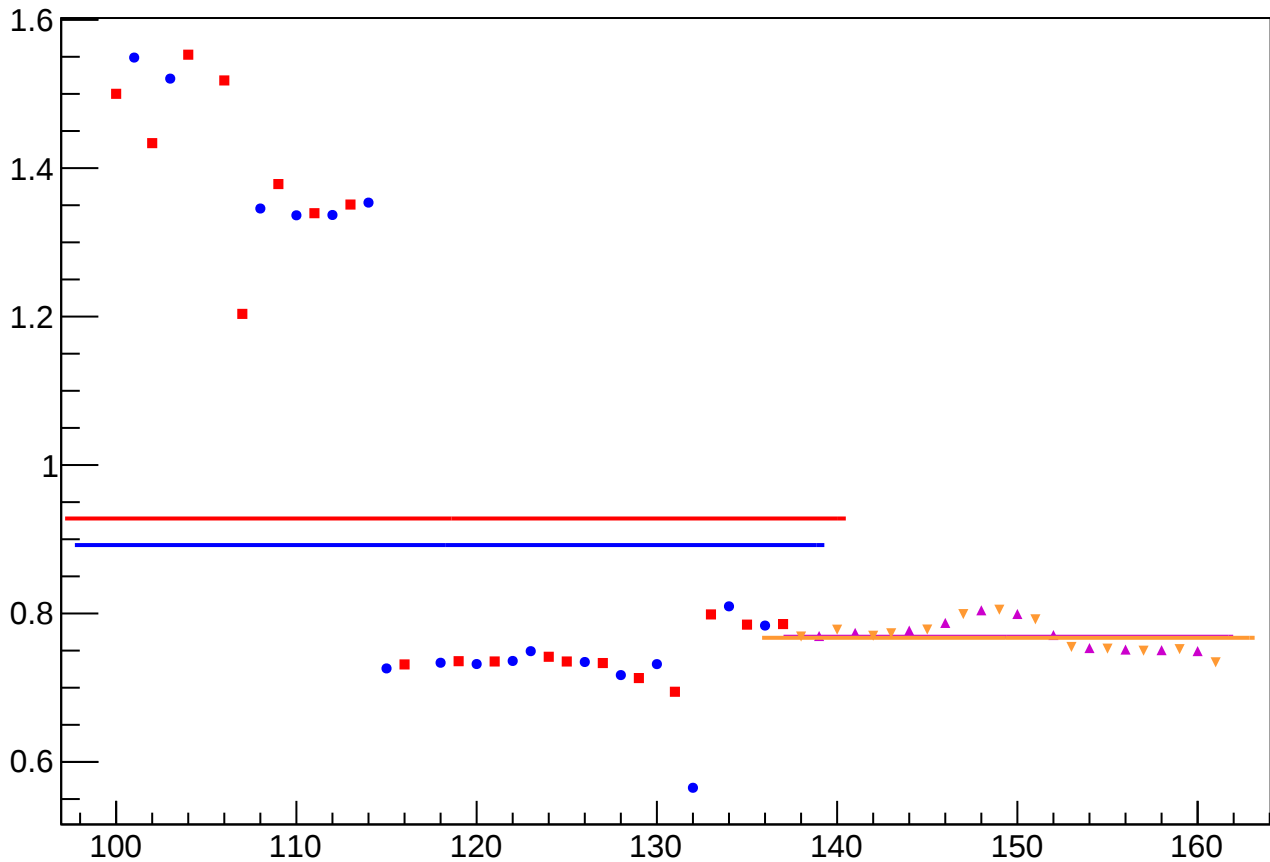
Right Out: 0.023 ± 0.000 χ^2/NDF : 1152617.8/18

Left In: 0.020 ± 0.000 χ^2/NDF : 469233.6/10

0.020 ± 0.000 χ^2/NDF : 1433635.4/29

0.021 ± 0.000 χ^2/NDF : 1699128.8/29

yield_bpm4acY_mean vs Slug



Right In: 0.892 $\pm$ 0.000 χ^2 /NDF: 2413732173.6/16

Left Out: 0.767 $\pm$ 0.000 χ^2 /NDF:21511774.8/12

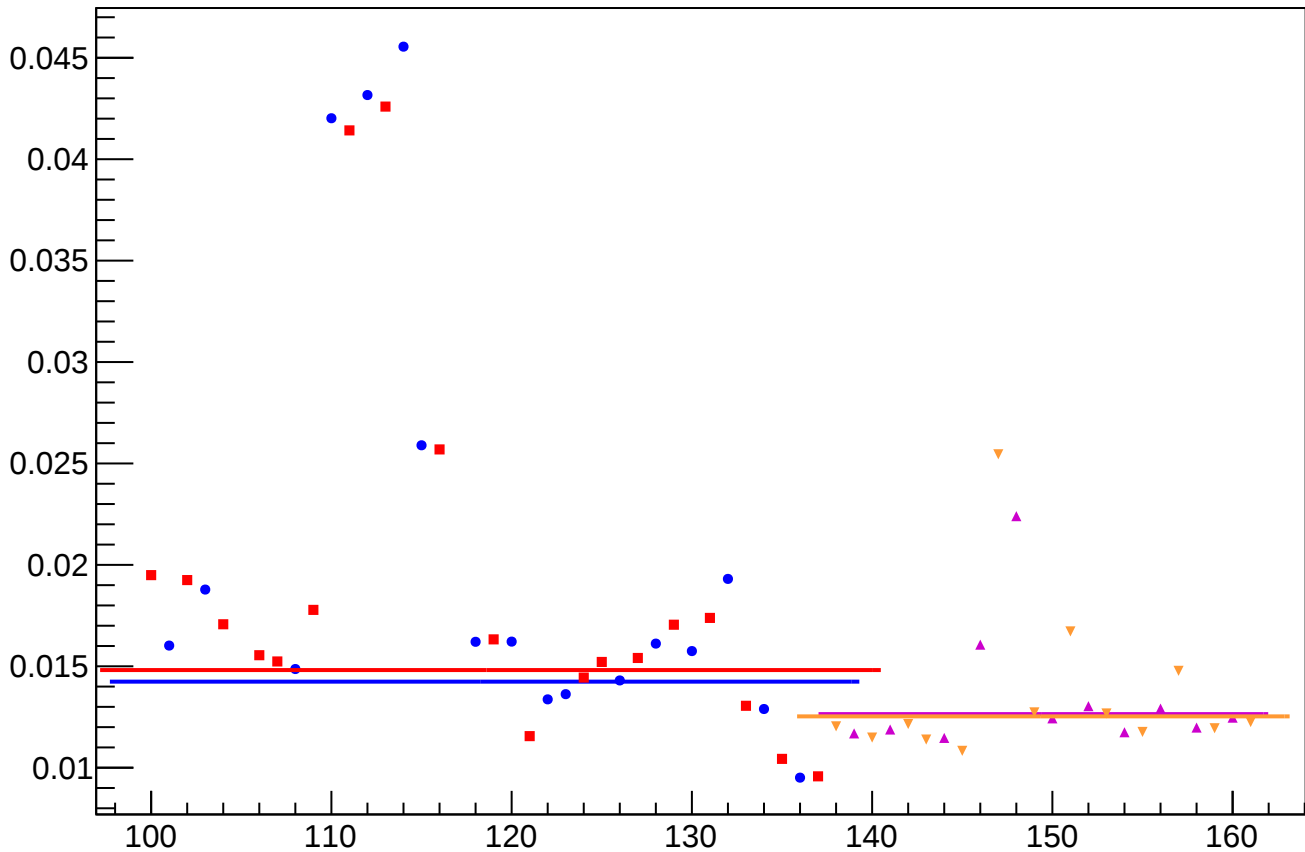
0.808 $\pm$ 0.000 χ^2 /NDF: 2729059720.1/29

Right Out: 0.928 $\pm$ 0.000 χ^2 /NDF: 2437542089.2/18

0.823 $\pm$ 0.000 χ^2 /NDF: 2909899084.7/29

Left In: 0.769 $\pm$ 0.000 χ^2 /NDF:15264687.8/10

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 : 583753.5/12

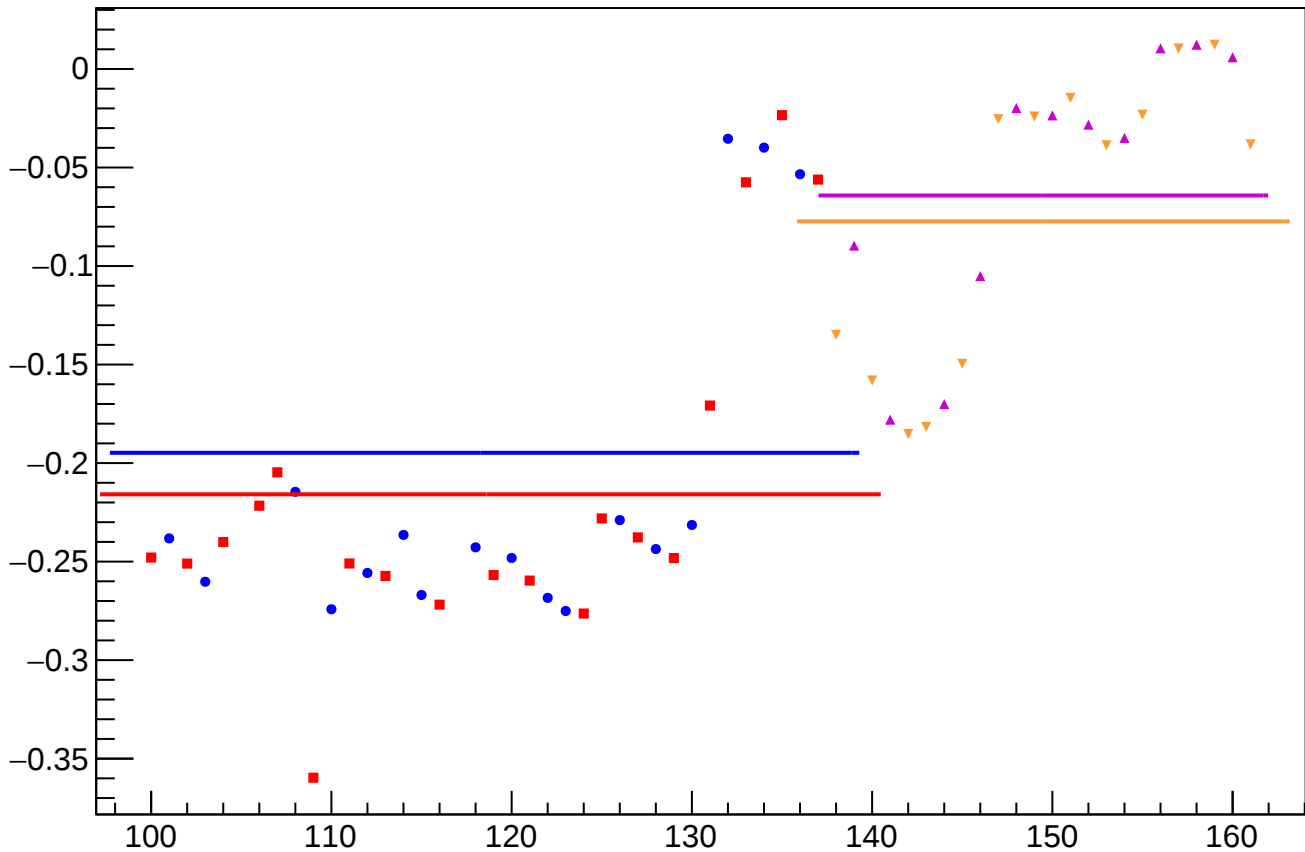
0.013+/-0.000 χ^2/NDF : 2109821.7/29

Right Out: 0.015+/-0.000 χ^2/NDF : 1274172.7/18

0.013+/-0.000 χ^2/NDF : 1848954.5/29

Left In: 0.013+/-0.000 χ^2/NDF : 404861.7/10

yield_bpm4ecX_mean vs Slug



Right In: -0.195 ± 0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.077 ± 0.000 χ^2/NDF : 106900254.2/12

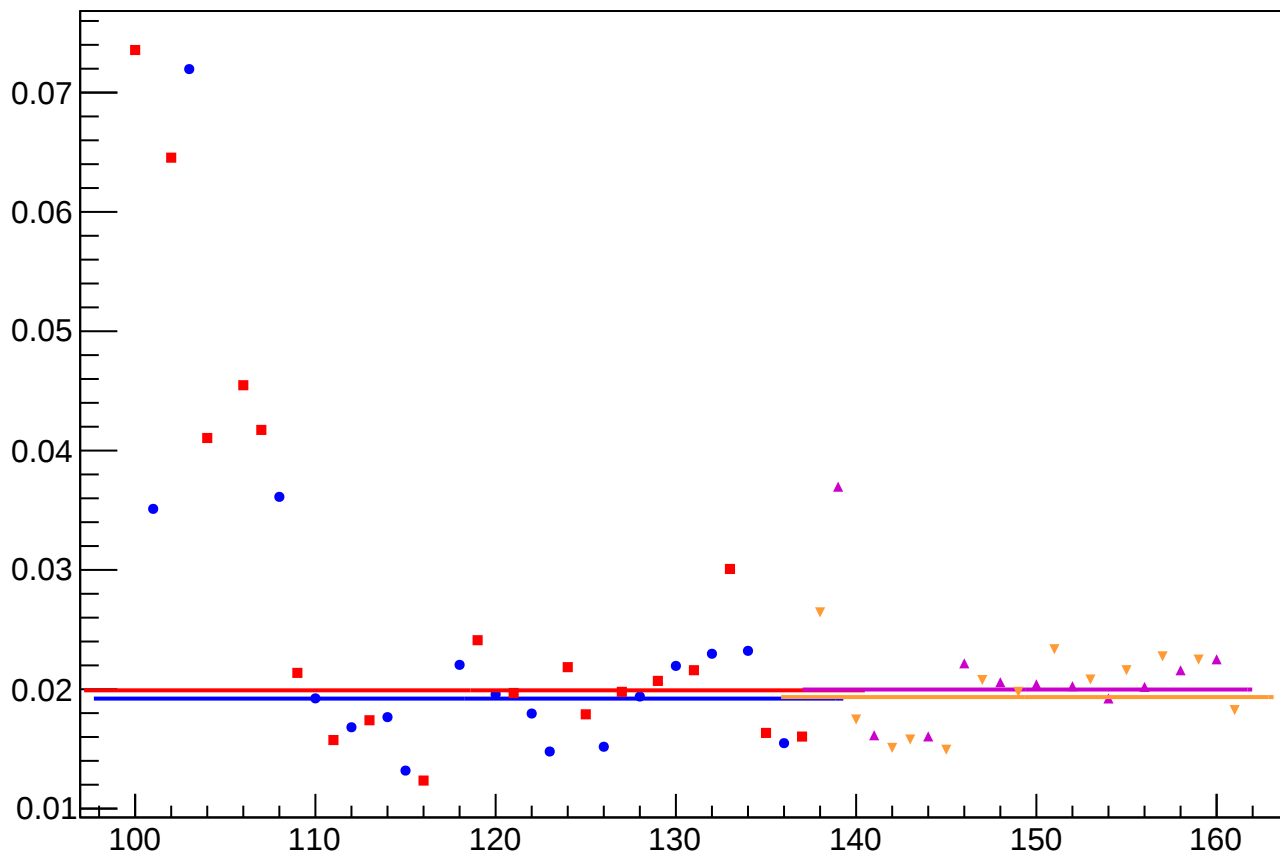
Right Out: -0.216 ± 0.000 χ^2/NDF : 111983904.6/18

Left In: -0.064 ± 0.000 χ^2/NDF : 93329657.9/10

-0.124 ± 0.000 χ^2/NDF : 327908388.1/29

-0.128 ± 0.000 χ^2/NDF : 378788226.9/29

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 : 417862.5/12

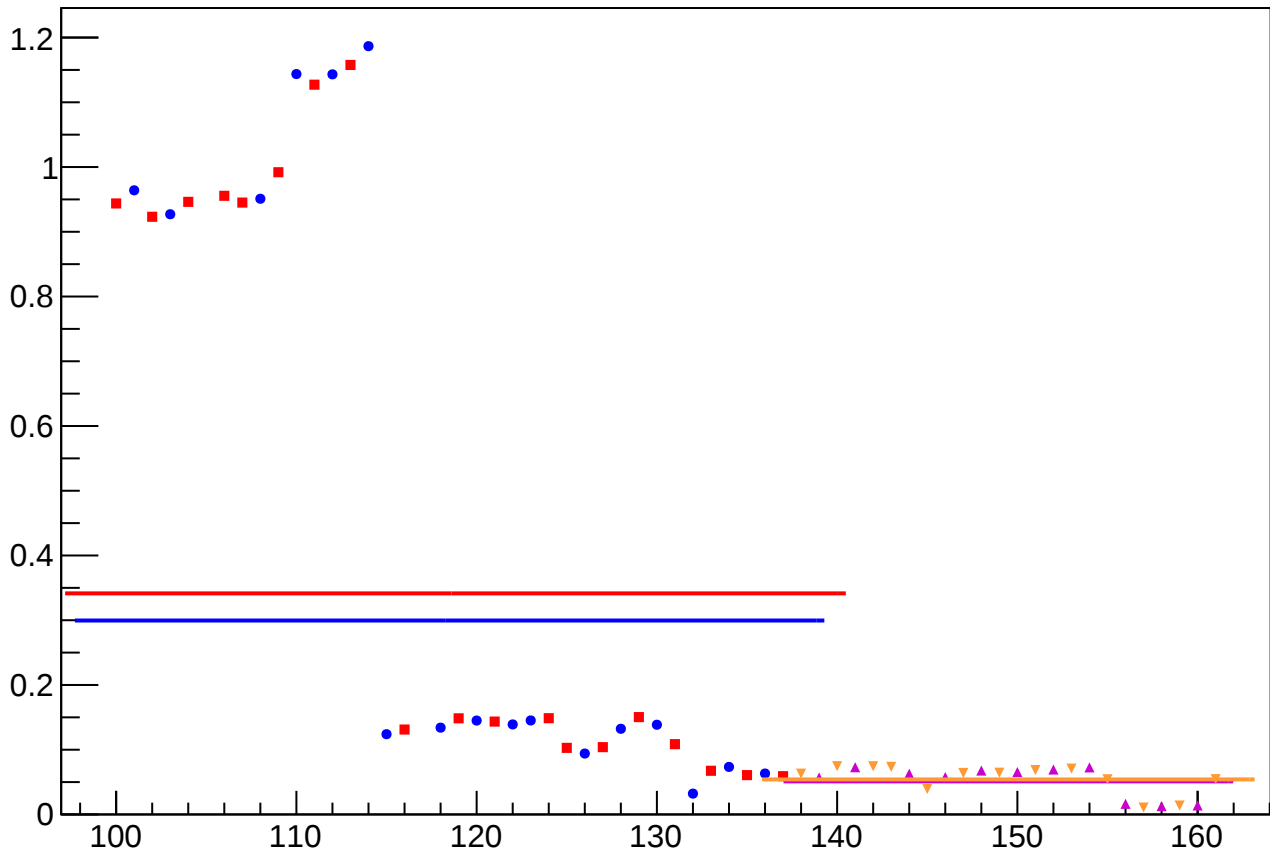
Right Out: 0.020+/-0.000 χ^2/NDF : 1446950.0/18

Left In: 0.020+/-0.000 χ^2/NDF : 469523.0/10

0.019+/-0.000 χ^2/NDF : 1595206.8/29

0.020+/-0.000 χ^2/NDF : 1916541.4/29

yield_bpm4ecY_mean vs Slug



Right In: 0.300+/-0.000 χ^2/NDF : 5165052137.6/16

Left Out: 0.054+/-0.000 χ^2/NDF : 34623961.3/12

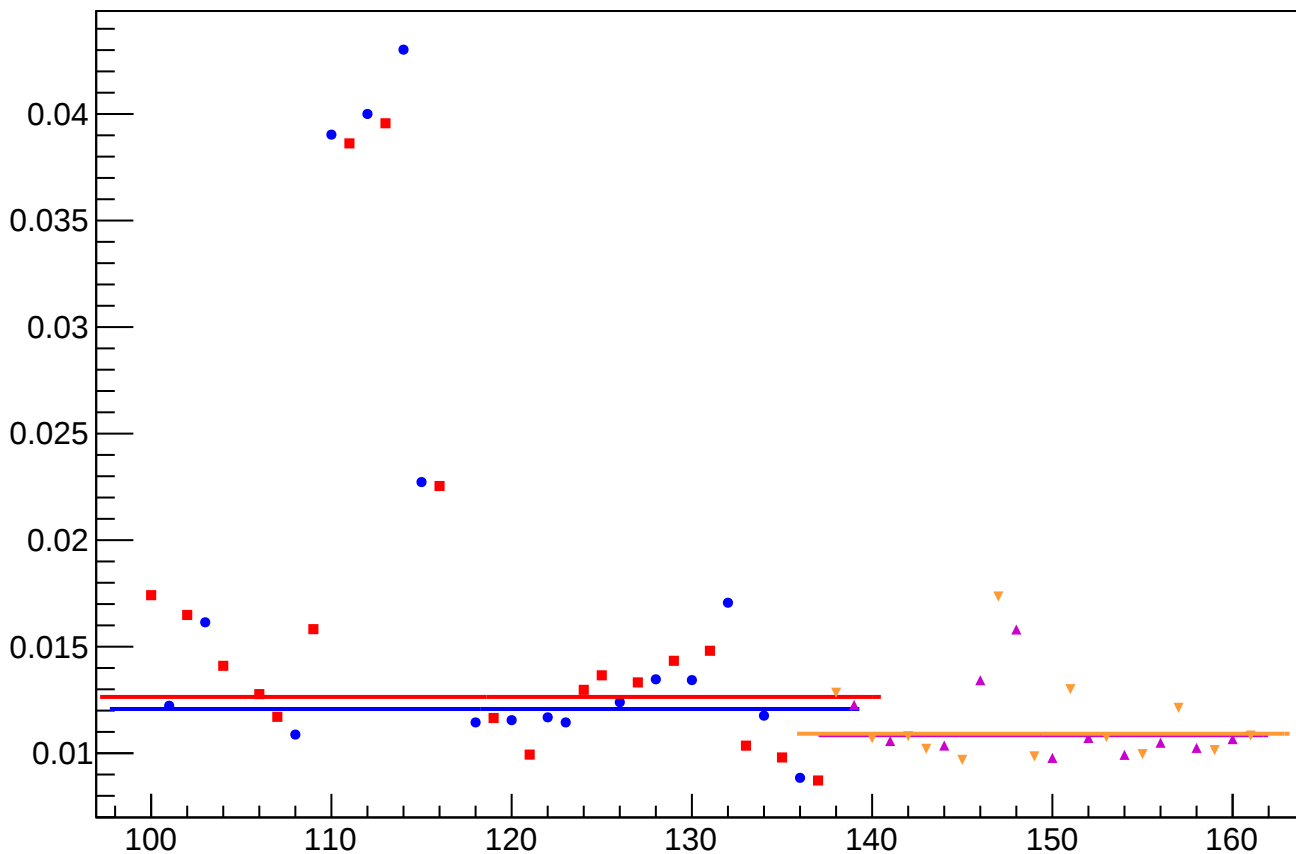
0.136+/-0.000 χ^2/NDF : 6756296228.8/29

Right Out: 0.341+/-0.000 χ^2/NDF : 5450600455.1/18

0.149+/-0.000 χ^2/NDF : 7553905186.3/29

Left In: 0.051+/-0.000 χ^2/NDF : 43040971.2/10

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1282097.7/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:363086.8/12

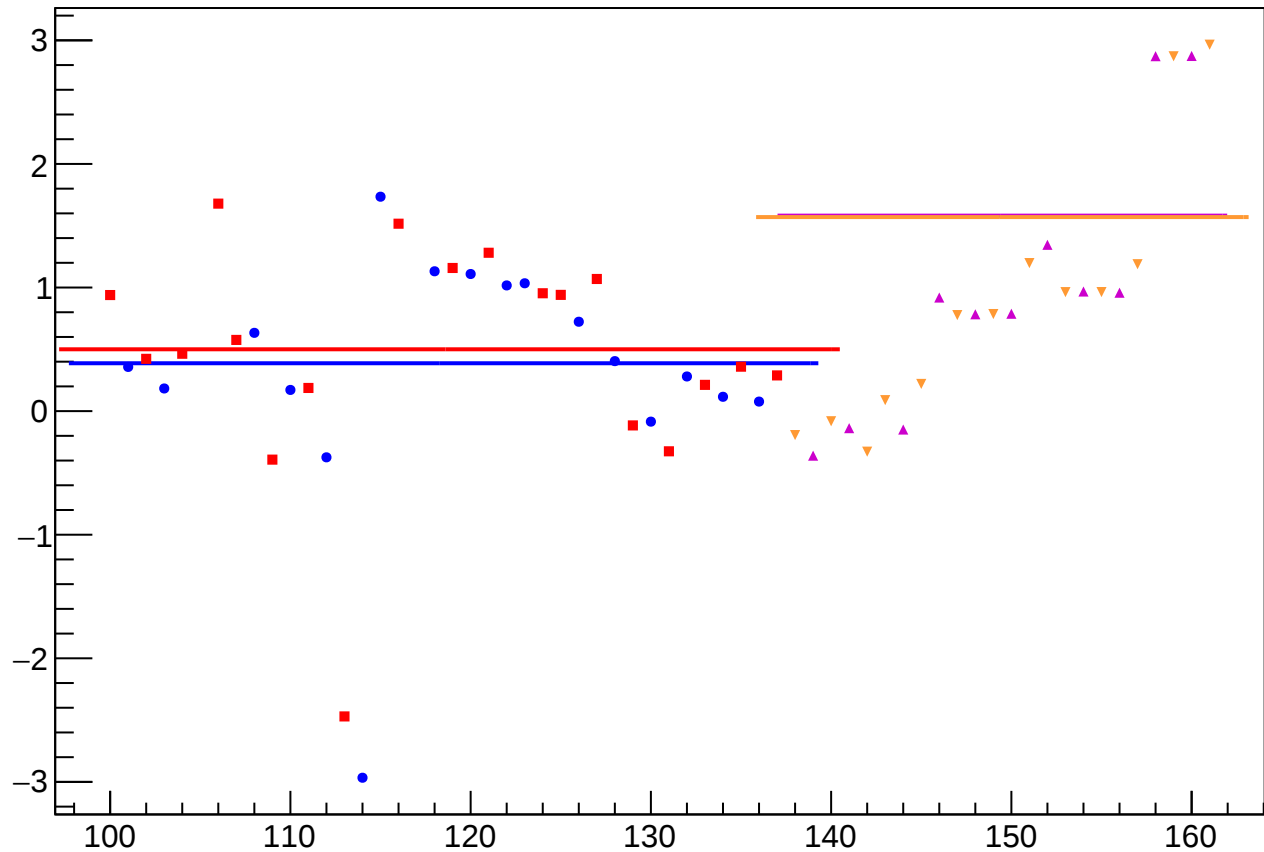
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1237706.0/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:272144.3/10

0.011 $\pm$ 0.000 χ^2 /NDF: 1714728.8/29

0.011 $\pm$ 0.000 χ^2 /NDF: 1667304.1/29

yield_bpm1X_mean vs Slug



Right In: 0.387 $\pm$ 0.000 χ^2 /NDF: 247912593.5/16

Left Out: 1.570 $\pm$ 0.000 χ^2 /NDF:19026826836.3/12

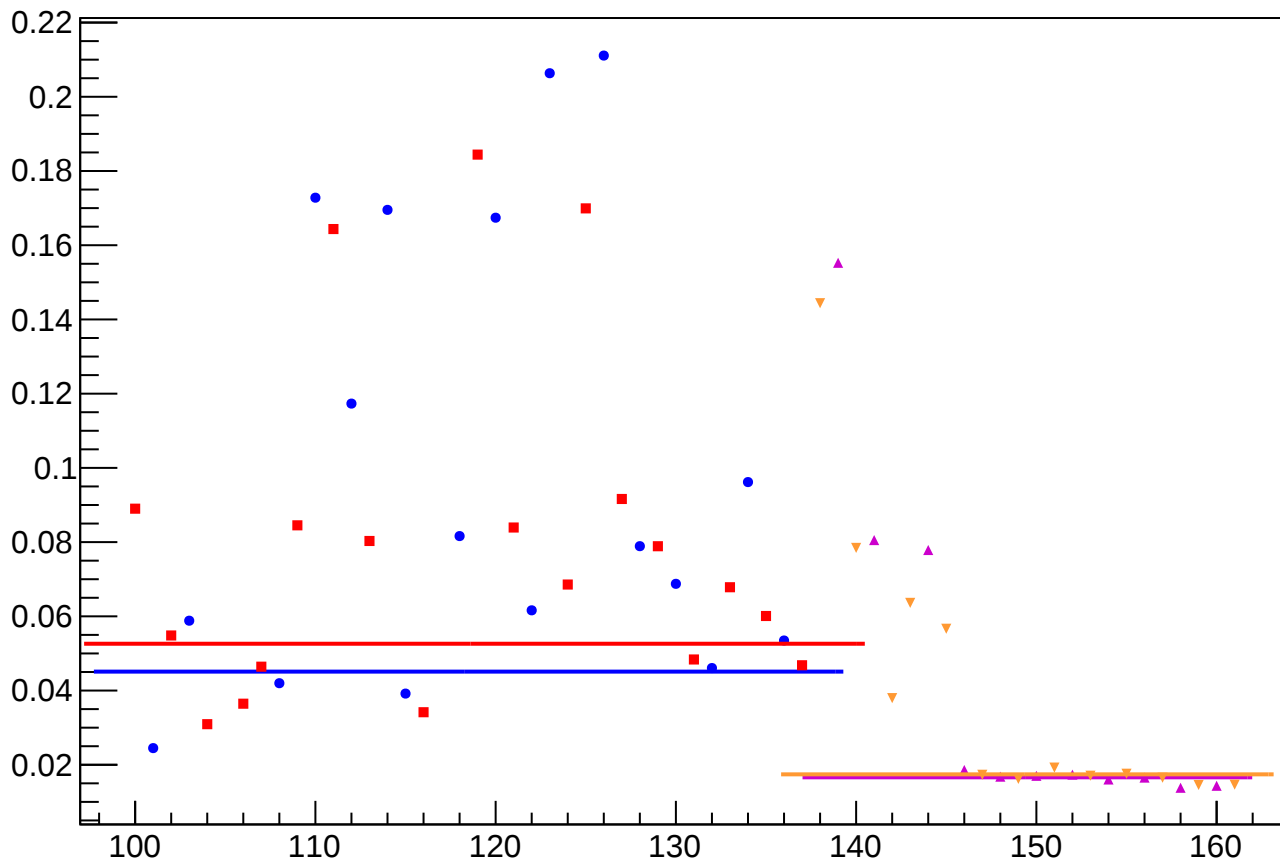
Right Out: 0.500 $\pm$ 0.000 χ^2 /NDF: 983360928.1/18

Left In: 1.582 $\pm$ 0.000 χ^2 /NDF:18813006204.1/10

1.480 $\pm$ 0.000 χ^2 /NDF: 21534329430.6/29

1.513 $\pm$ 0.000 χ^2 /NDF: 21431208480.7/29

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2846218.9/16

Left Out: 0.017+/-0.000 χ^2/NDF : 2717108.9/12

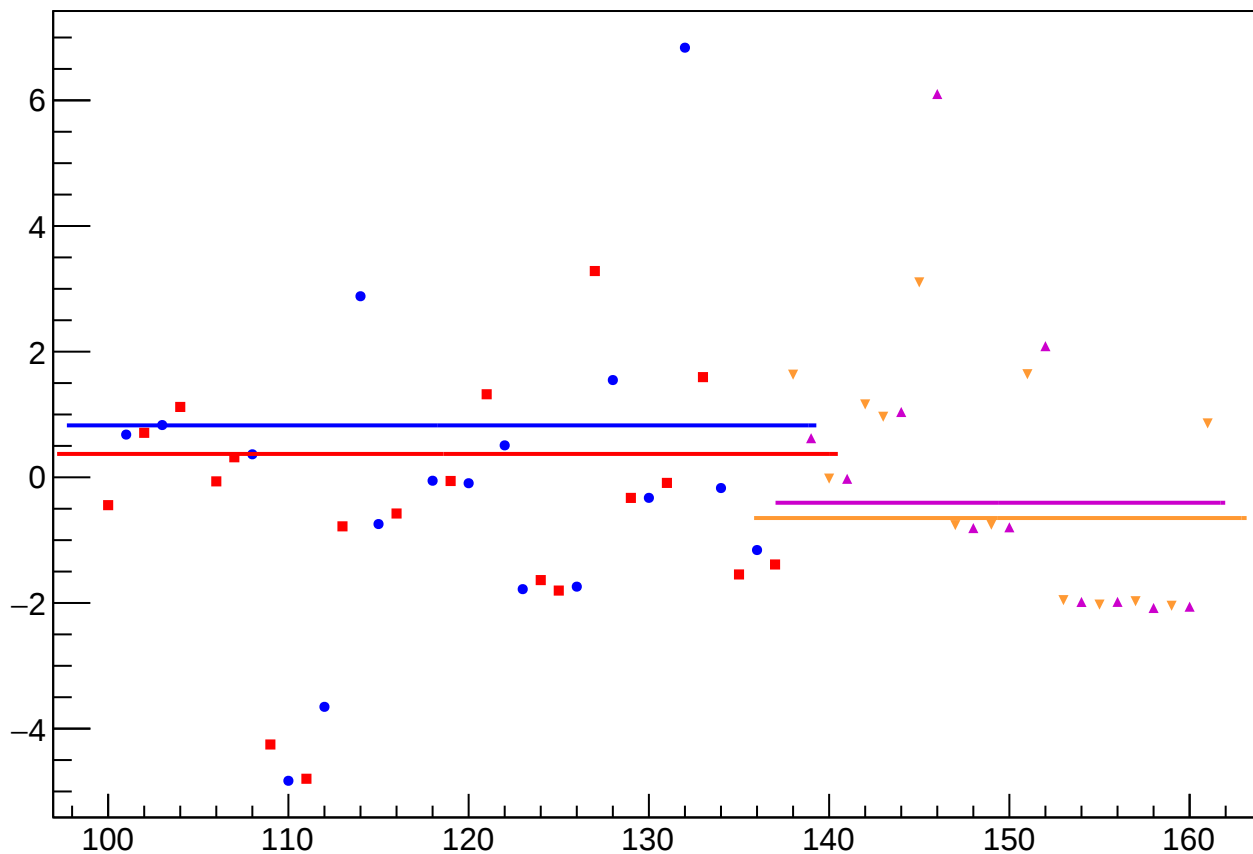
Right Out: 0.053+/-0.000 χ^2/NDF : 2190515.9/18

Left In: 0.017+/-0.000 χ^2/NDF : 2323657.6/10

0.020+/-0.000 χ^2/NDF : 8039549.8/29

0.019+/-0.000 χ^2/NDF : 8135997.4/29

yield_bpm1Y_mean vs Slug



Right In: 0.827+/-0.000 χ^2/NDF : 10936458870.4/16

Left Out: -0.648+/-0.000 χ^2/NDF : 94423341893.5/12

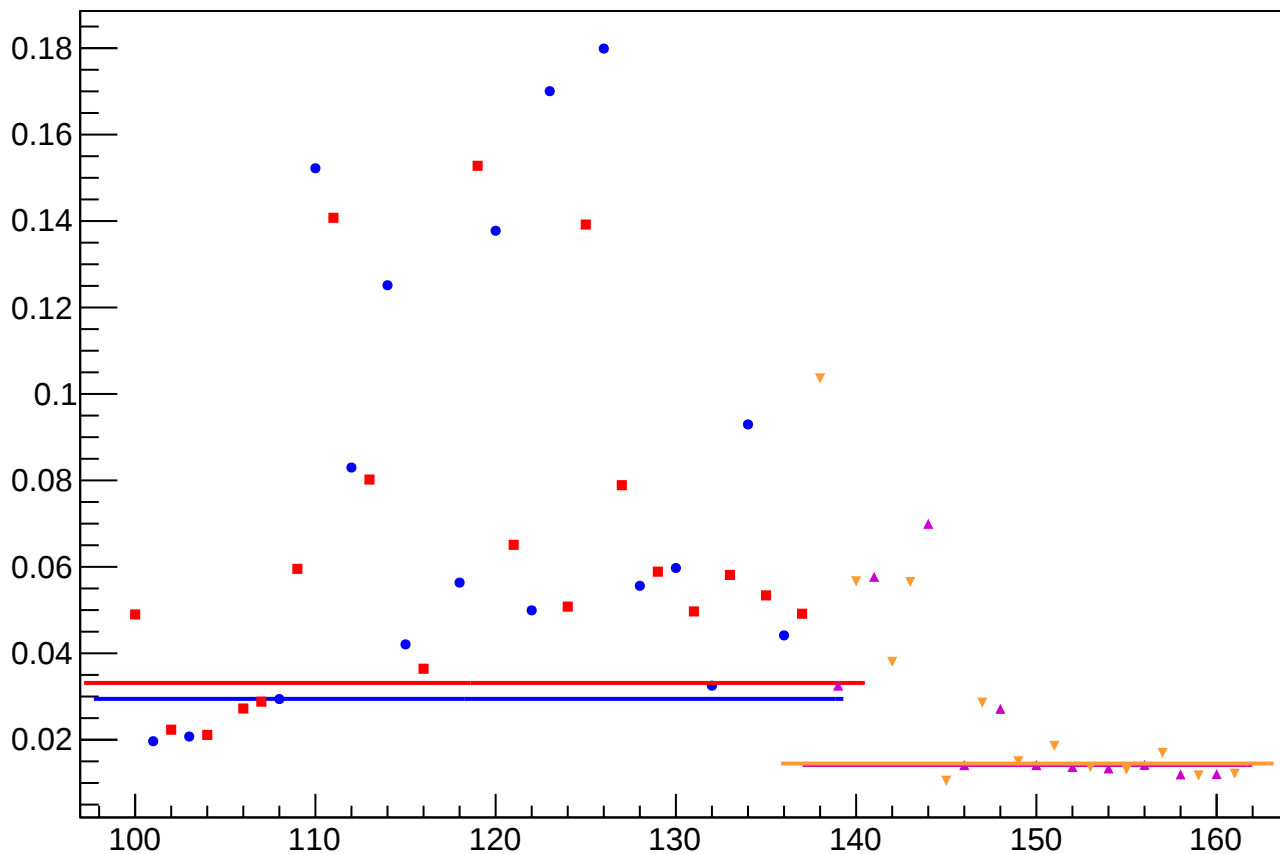
Right Out: 0.372+/-0.000 χ^2/NDF : 4972900338.2/18

Left In: -0.405+/-0.000 χ^2/NDF : 225453922698.5/10

-0.487+/-0.000 χ^2/NDF : 112985364076.9/29

-0.330+/-0.000 χ^2/NDF : 232335693862.1/29

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.015+/-0.000 χ^2/NDF :2752076.3/12

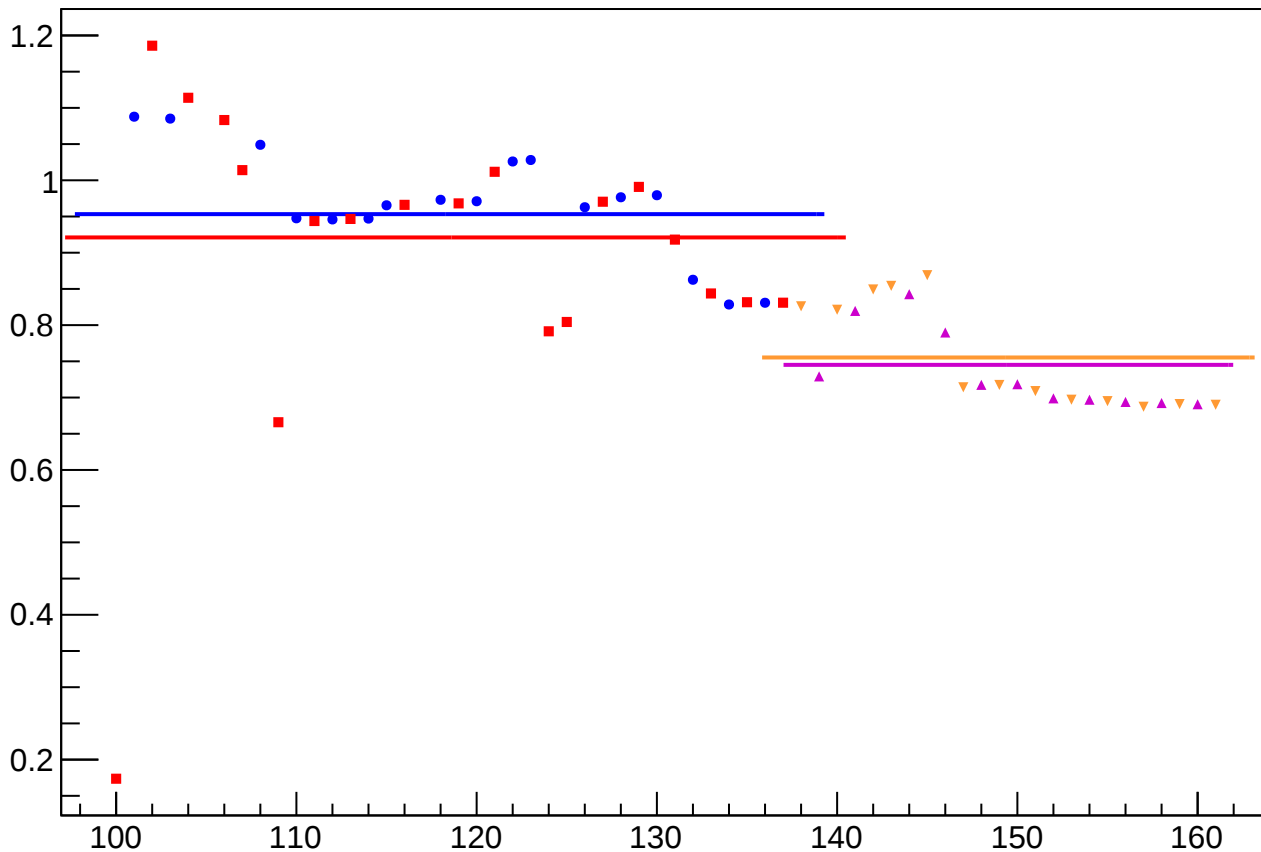
Right Out: 0.033+/-0.000 χ^2/NDF : 3096820.9/18

Left In: 0.014+/-0.000 χ^2/NDF :1810895.7/10

0.016+/-0.000 χ^2/NDF : 7375119.8/29

0.016+/-0.000 χ^2/NDF : 7185964.9/29

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175396553.4/16

Left Out: 0.755 $\pm$ 0.000 χ^2 /NDF:238802930.1/12

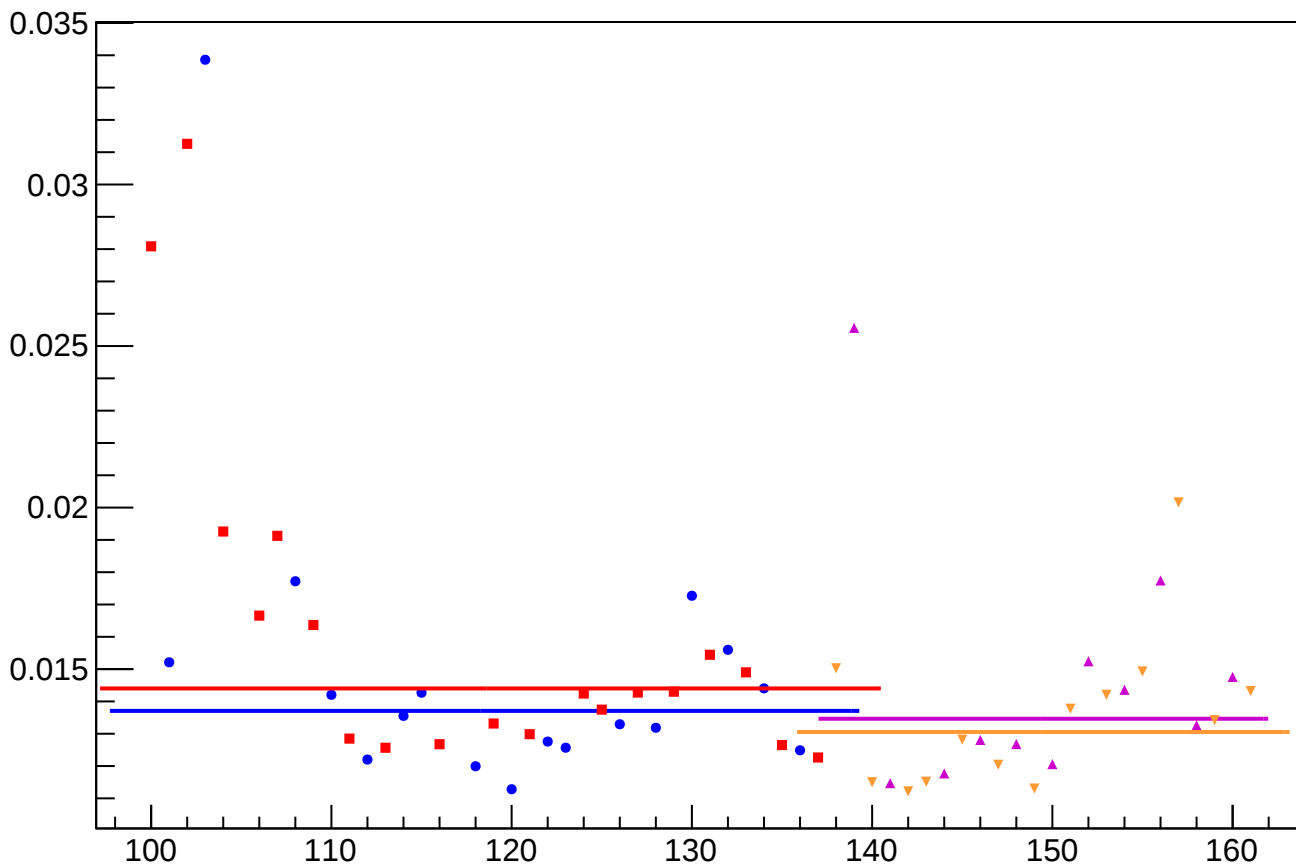
0.832 $\pm$ 0.000 χ^2 /NDF: 1157100075.1/29

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374221279.1/18

0.816 $\pm$ 0.000 χ^2 /NDF: 1056792381.2/29

Left In: 0.745 $\pm$ 0.000 χ^2 /NDF:141927971.1/10

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 546317.6/16

Left Out: 0.013 $\pm$ 0.000 χ^2/NDF : 325297.0/12

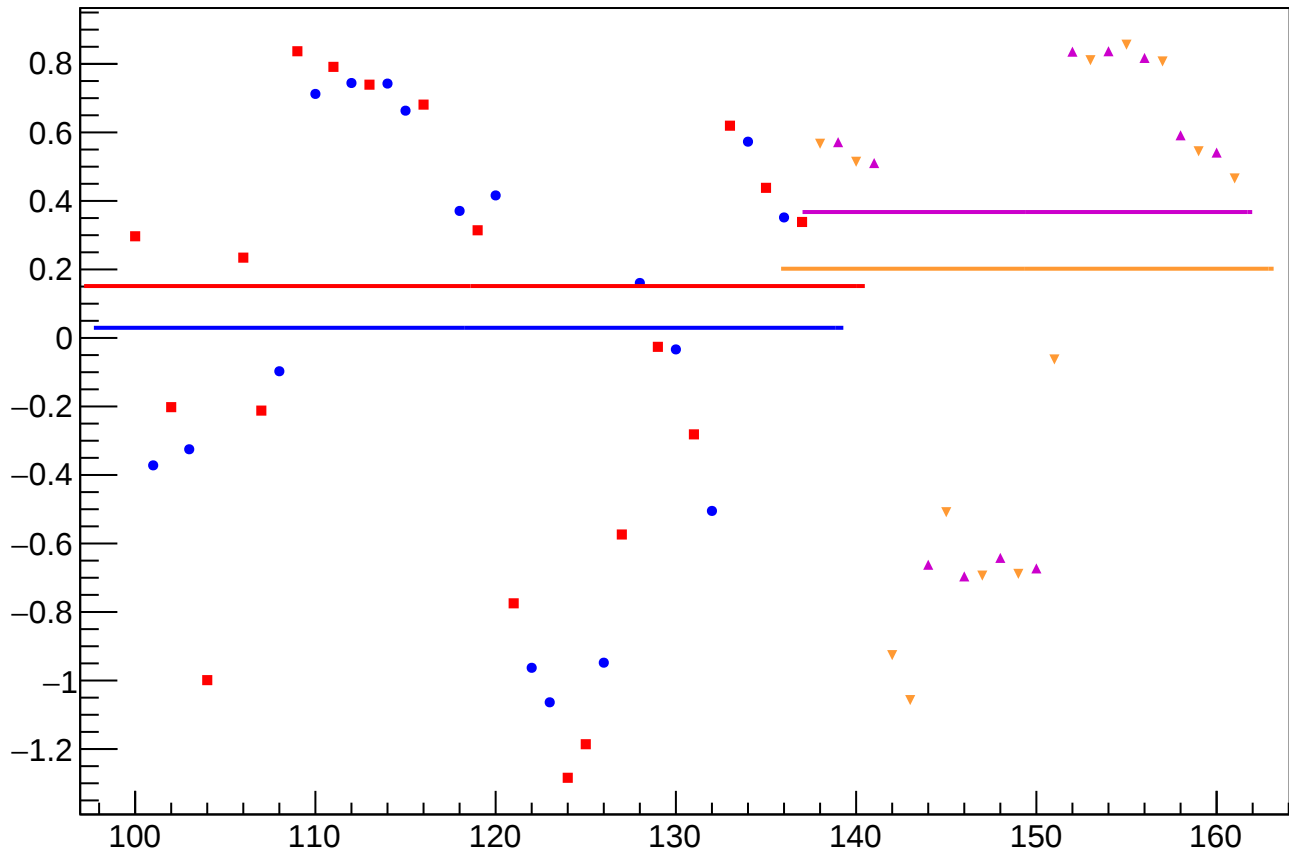
Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 501768.8/18

Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 516678.1/10

0.013 $\pm$ 0.000 χ^2/NDF : 887769.4/29

0.014 $\pm$ 0.000 χ^2/NDF : 1049123.9/29

yield_bpm11Y_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 6294824795.0/16

Left Out: 0.202 $\pm$ 0.000 χ^2 /NDF:23473965730.0/12

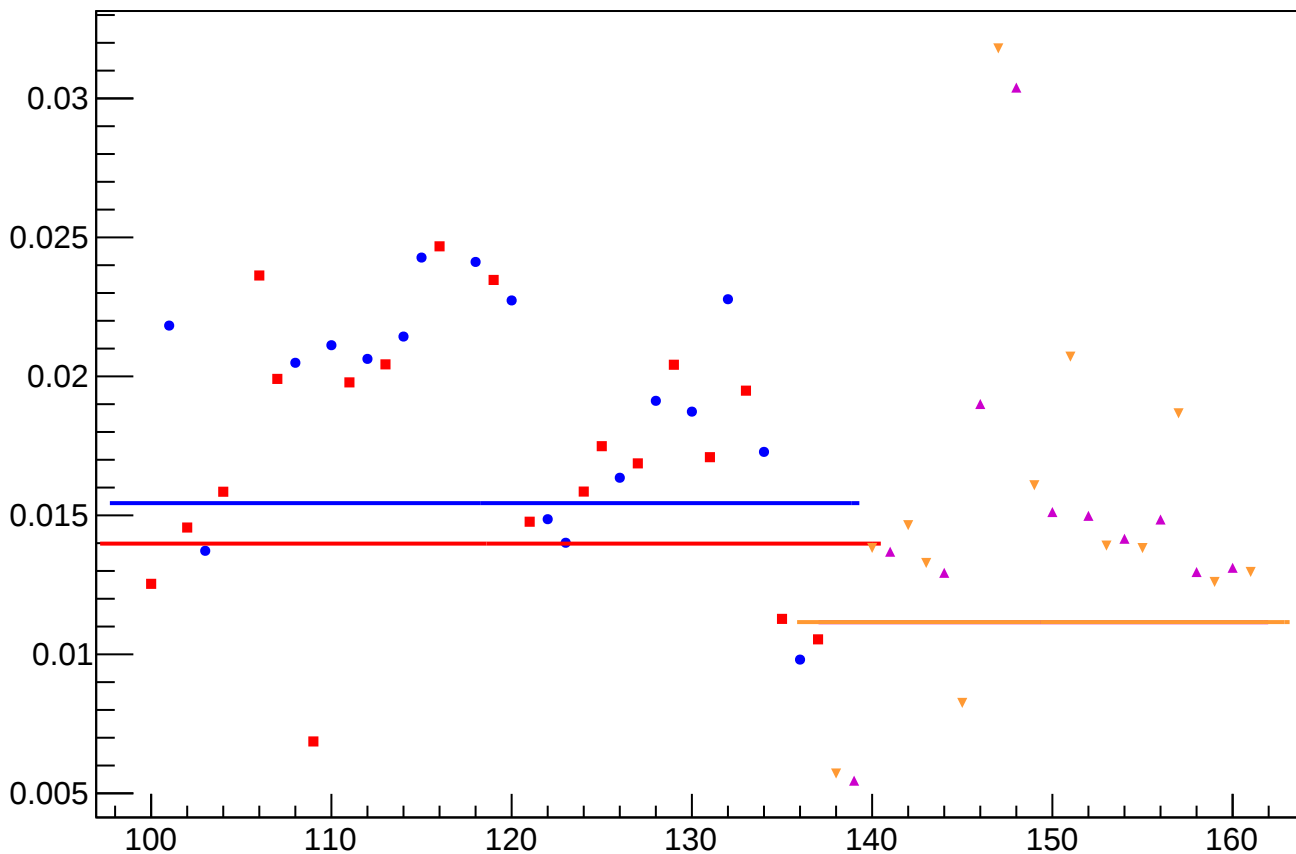
0.154 $\pm$ 0.000 χ^2 /NDF: 30278177838.2/29

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12661812059.7/18

0.295 $\pm$ 0.000 χ^2 /NDF: 29565416284.5/29

Left In: 0.368 $\pm$ 0.000 χ^2 /NDF:16013046410.9/10

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.011+/-0.000 χ^2/NDF : 2839101.2/12

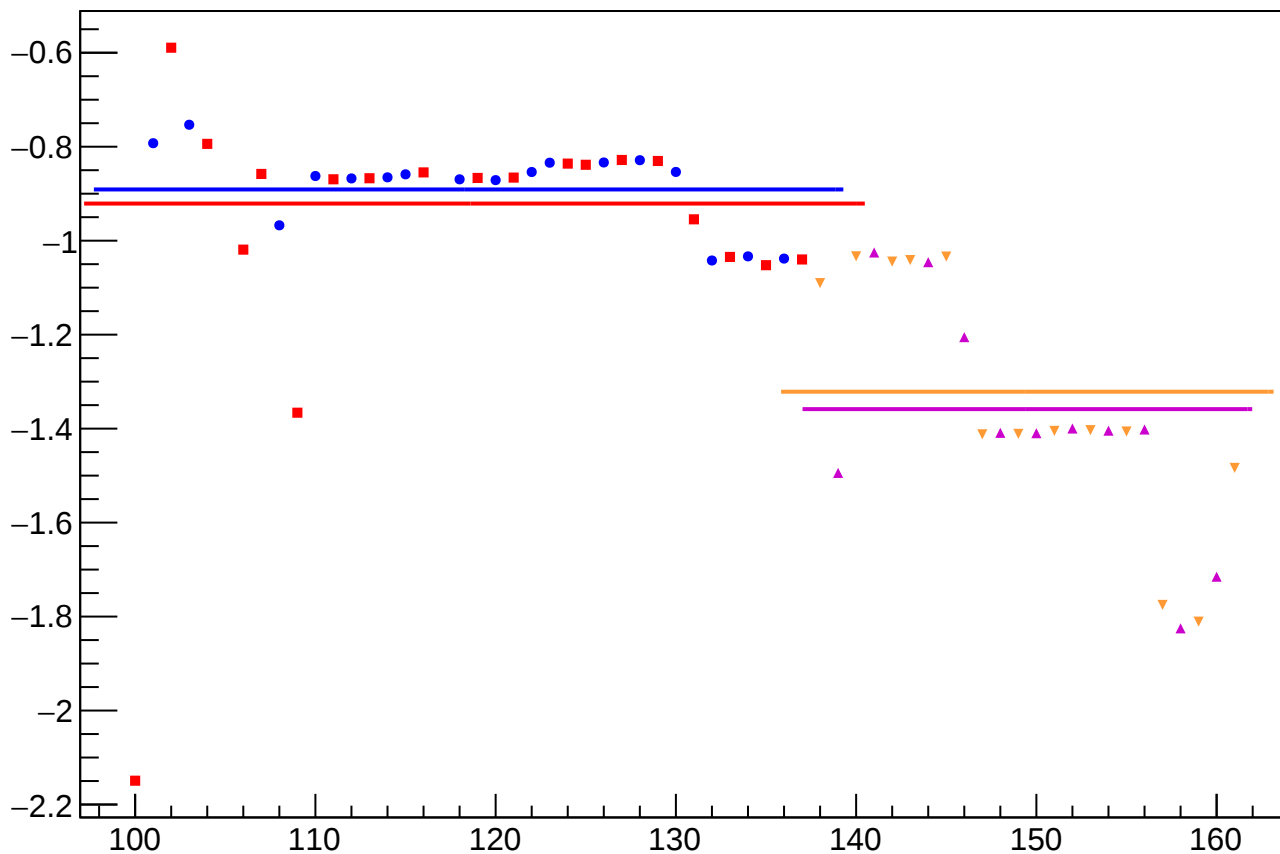
Right Out: 0.014+/-0.000 χ^2/NDF : 1560788.2/18

Left In: 0.011+/-0.000 χ^2/NDF : 2765593.6/10

0.012+/-0.000 χ^2/NDF : 4628409.1/29

0.012+/-0.000 χ^2/NDF : 4631634.6/29

yield_bpm12X_mean vs Slug



Right In: -0.891 ± 0.000 χ^2/NDF : 39578323.2/16

Left Out: -0.921 ± 0.000 χ^2/NDF : 131183059.9/18

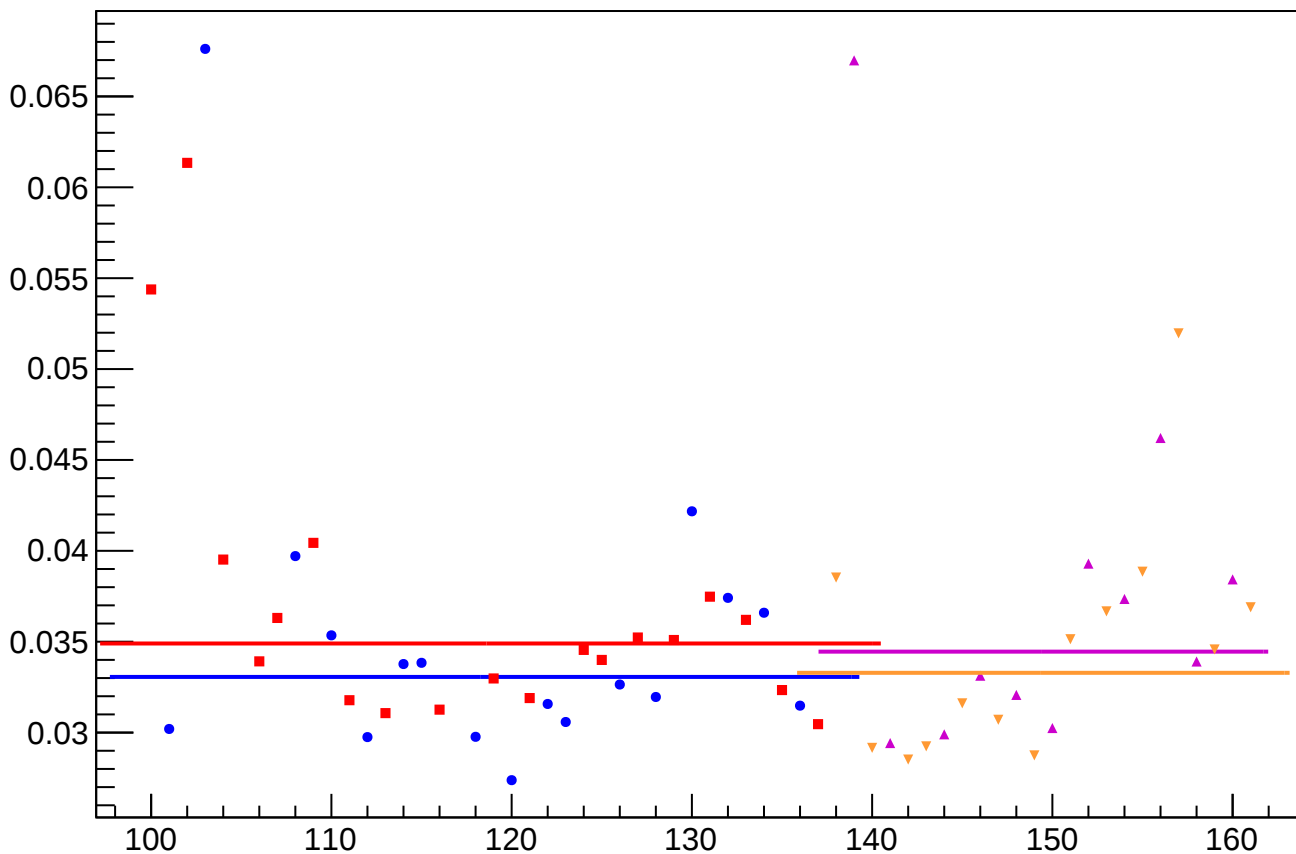
Right Out: -1.321 ± 0.000 χ^2/NDF : 449662082.7/12

Left In: -1.358 ± 0.000 χ^2/NDF : 400649057.9/10

-1.141 ± 0.000 χ^2/NDF : 1067718504.6/29

-1.168 ± 0.000 χ^2/NDF : 1077208914.7/29

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 :352231.6/12

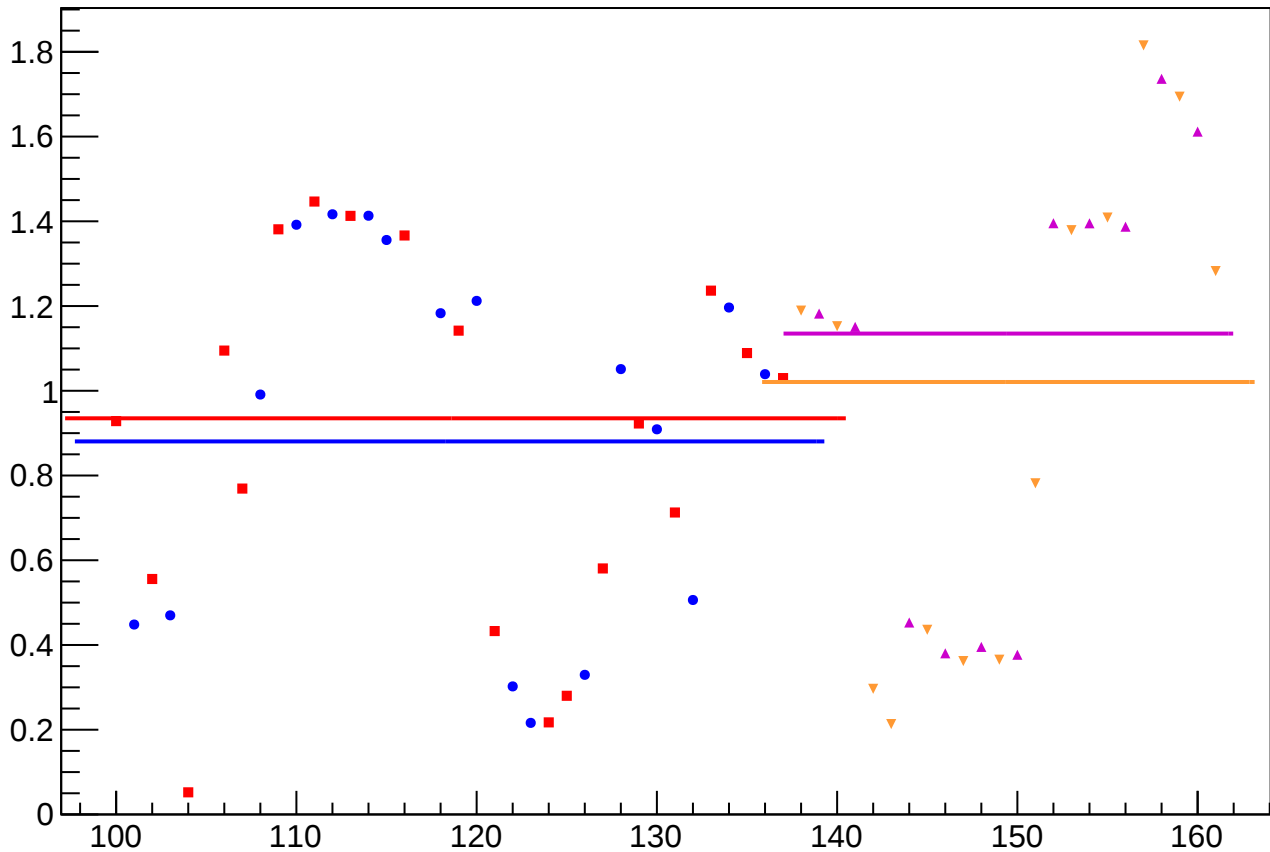
Right Out: 0.035+/-0.000 χ^2/NDF : 274270.8/18

Left In: 0.034+/-0.000 χ^2/NDF :561885.6/10

0.033+/-0.000 χ^2/NDF : 761837.5/29

0.035+/-0.000 χ^2/NDF : 837303.0/29

yield_bpm12Y_mean vs Slug



Right In: 0.880 ± 0.000 χ^2/NDF : 6400108121.4/16

Left Out: 1.021 ± 0.000 χ^2/NDF : 28549891057.0/12

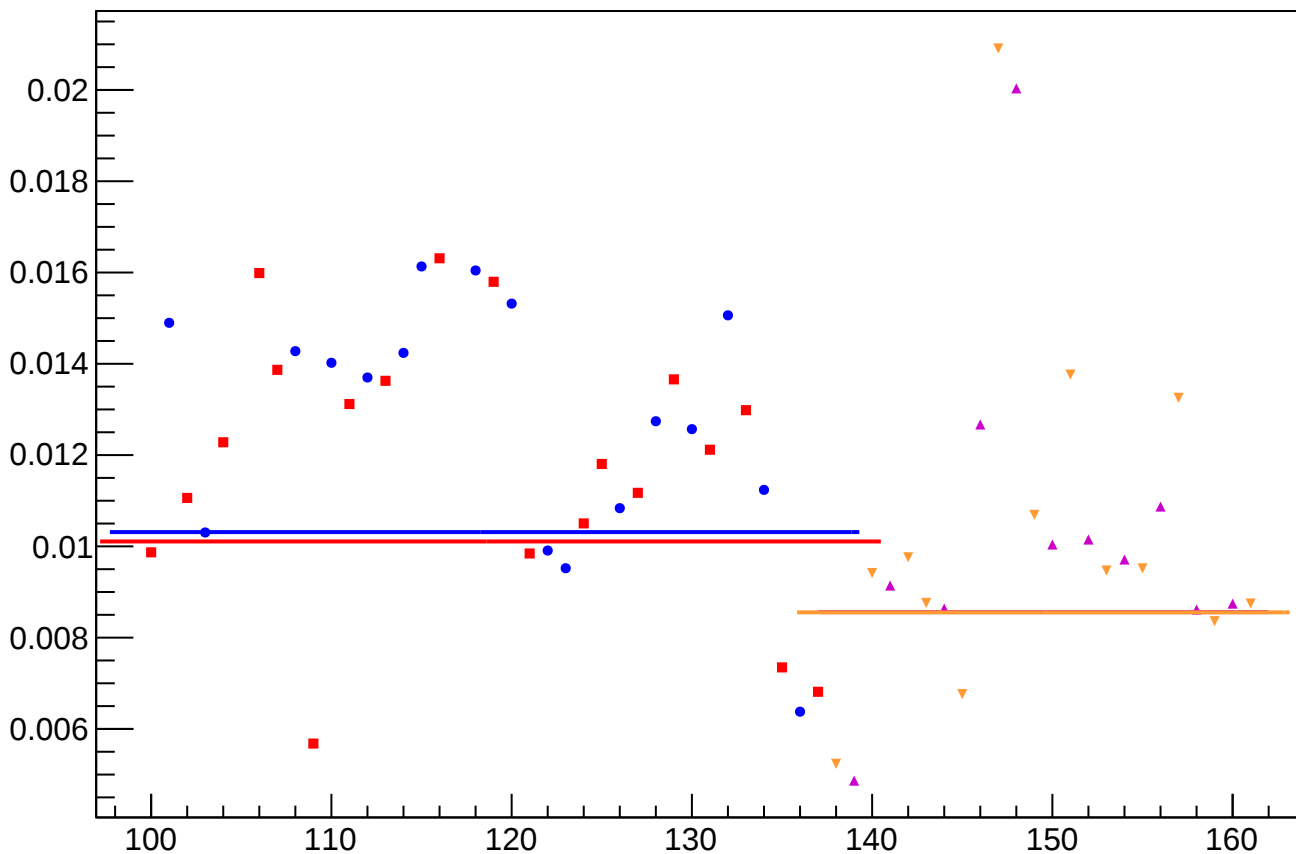
0.977 ± 0.000 χ^2/NDF : 35661862636.7/29

Right Out: 0.935 ± 0.000 χ^2/NDF : 9833525935.6/18

1.065 ± 0.000 χ^2/NDF : 32719291229.8/29

Left In: 1.135 ± 0.000 χ^2/NDF : 21400434067.8/10

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1231066.2/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1653271.6/12

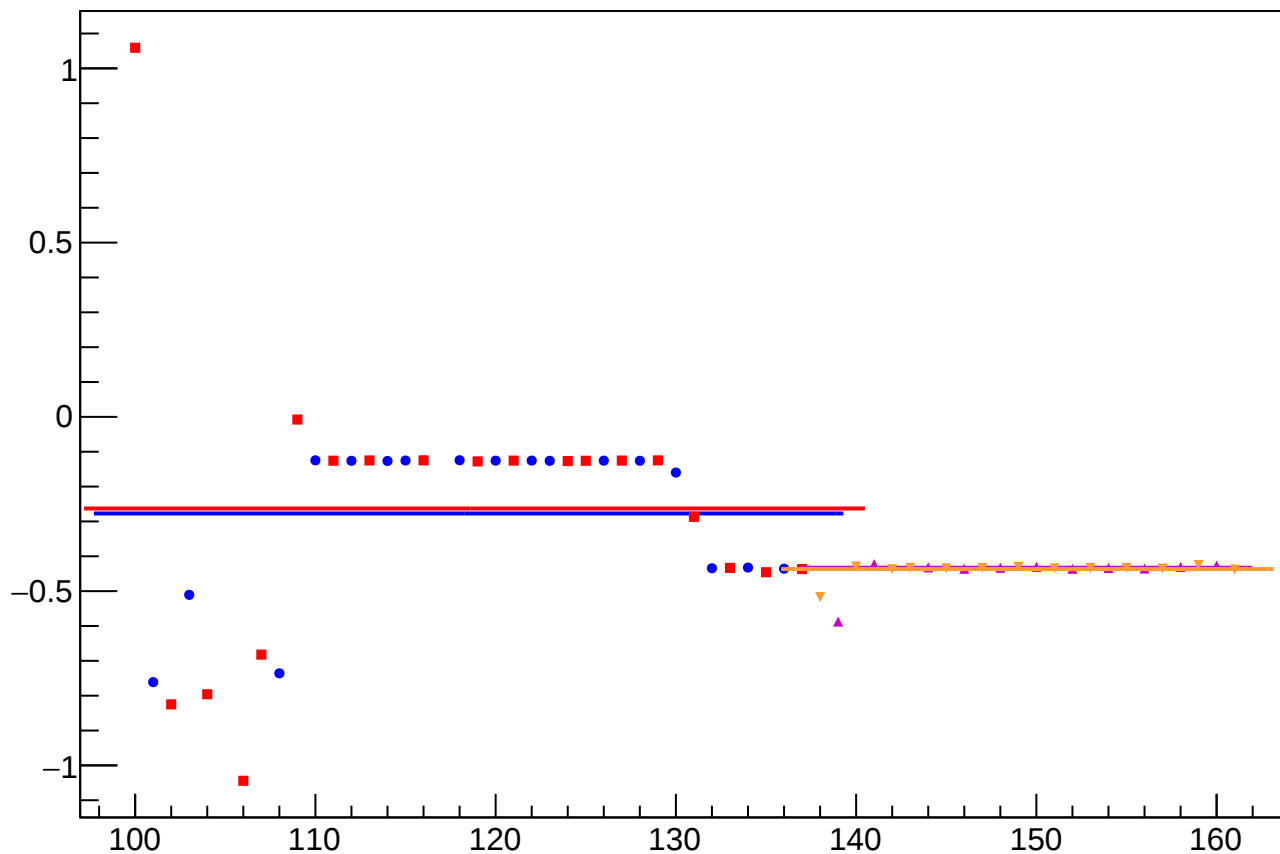
Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1178489.1/18

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1553774.8/10

0.009 $\pm$ 0.000 χ^2 /NDF: 3108111.4/29

0.009 $\pm$ 0.000 χ^2 /NDF: 2910134.6/29

yield_bpm16X_mean vs Slug



Right In: -0.277+/-0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.437+/-0.000 χ^2/NDF : 25425410.0/12

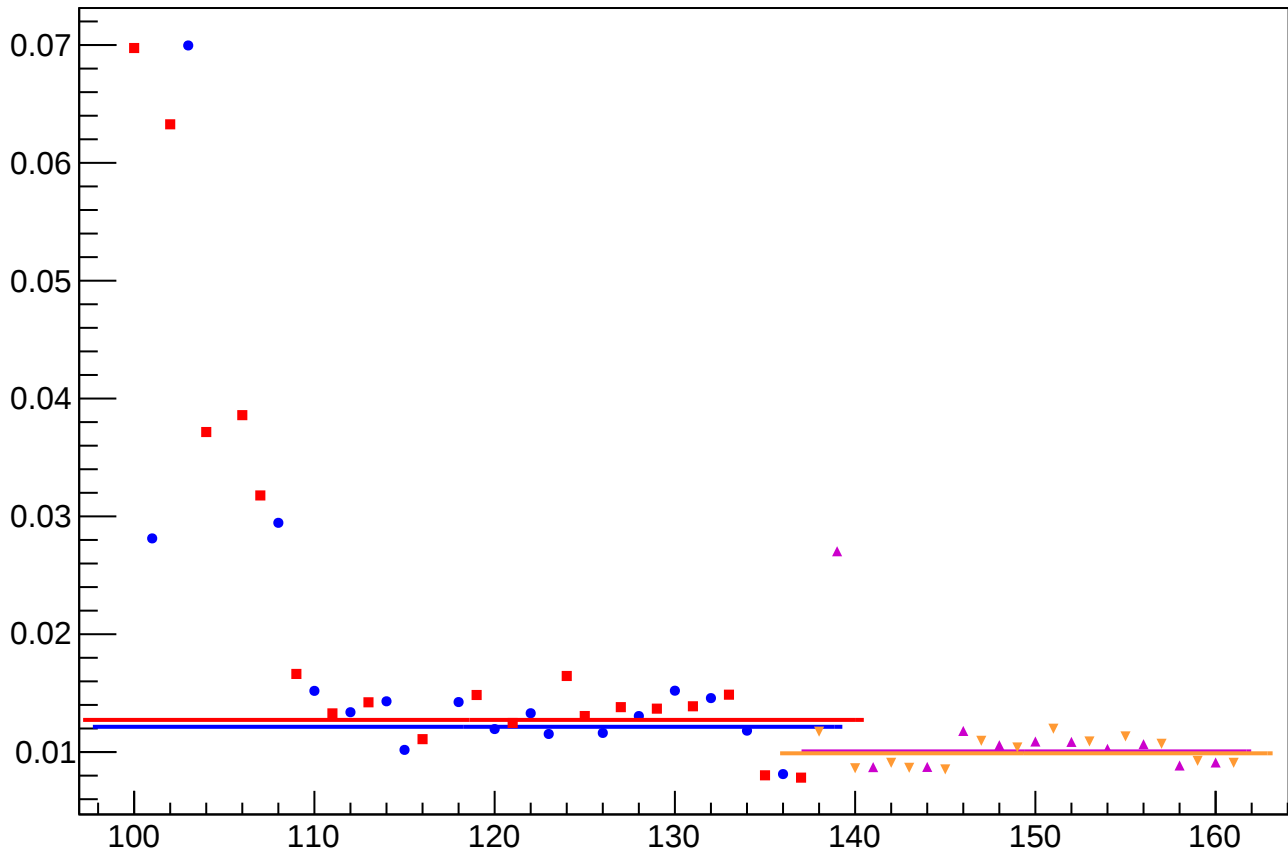
Right Out: -0.263+/-0.000 χ^2/NDF : 1008398102.0/18

Left In: -0.433+/-0.000 χ^2/NDF : 23176455.7/10

-0.392+/-0.000 χ^2/NDF : 1549901829.3/29

-0.383+/-0.000 χ^2/NDF : 1641933413.1/29

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 : 222791.6/12

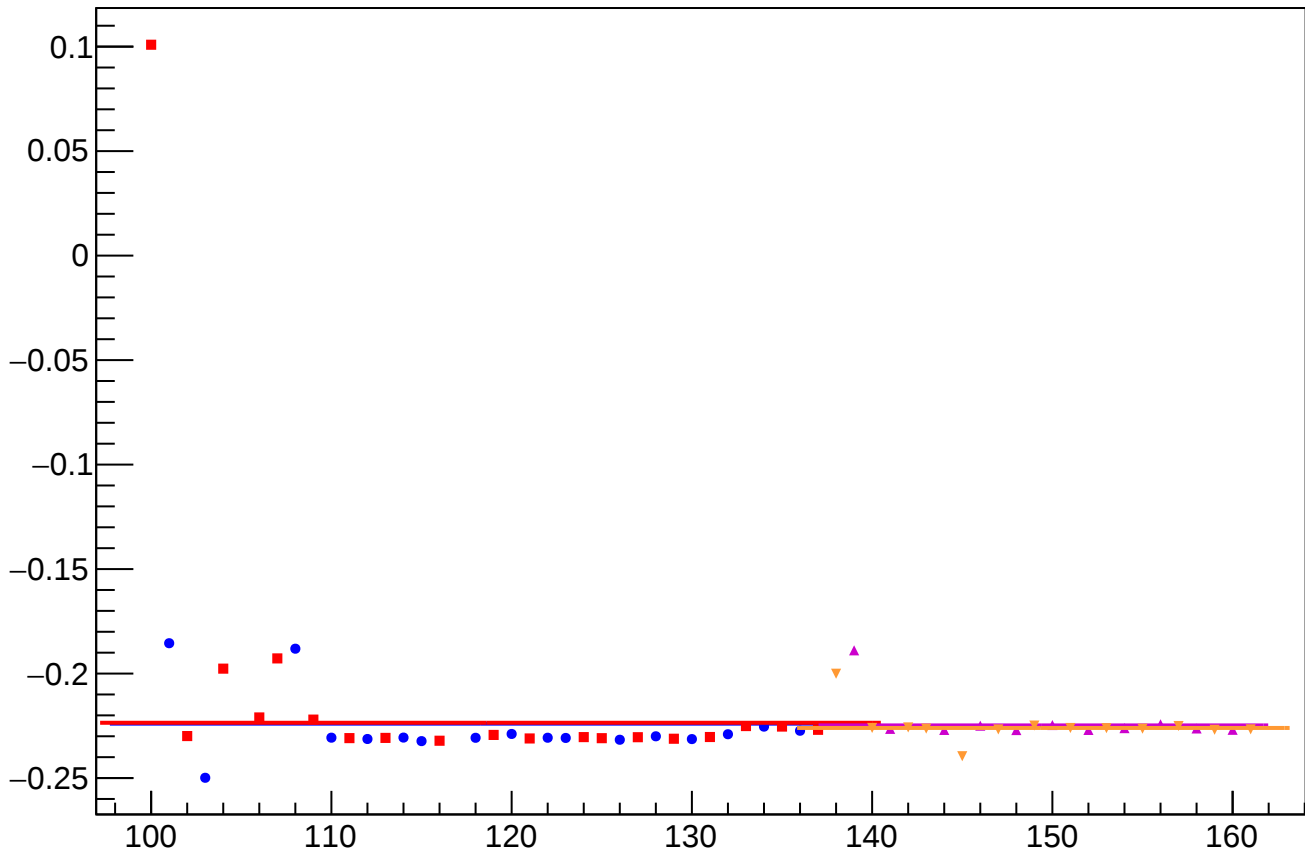
Right Out: 0.013+/-0.000 χ^2/NDF : 1969165.0/18

Left In: 0.010+/-0.000 χ^2/NDF : 679652.4/10

0.011+/-0.000 χ^2/NDF : 2182530.5/29

0.011+/-0.000 χ^2/NDF : 2950642.5/29

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 : 20575972.1/12

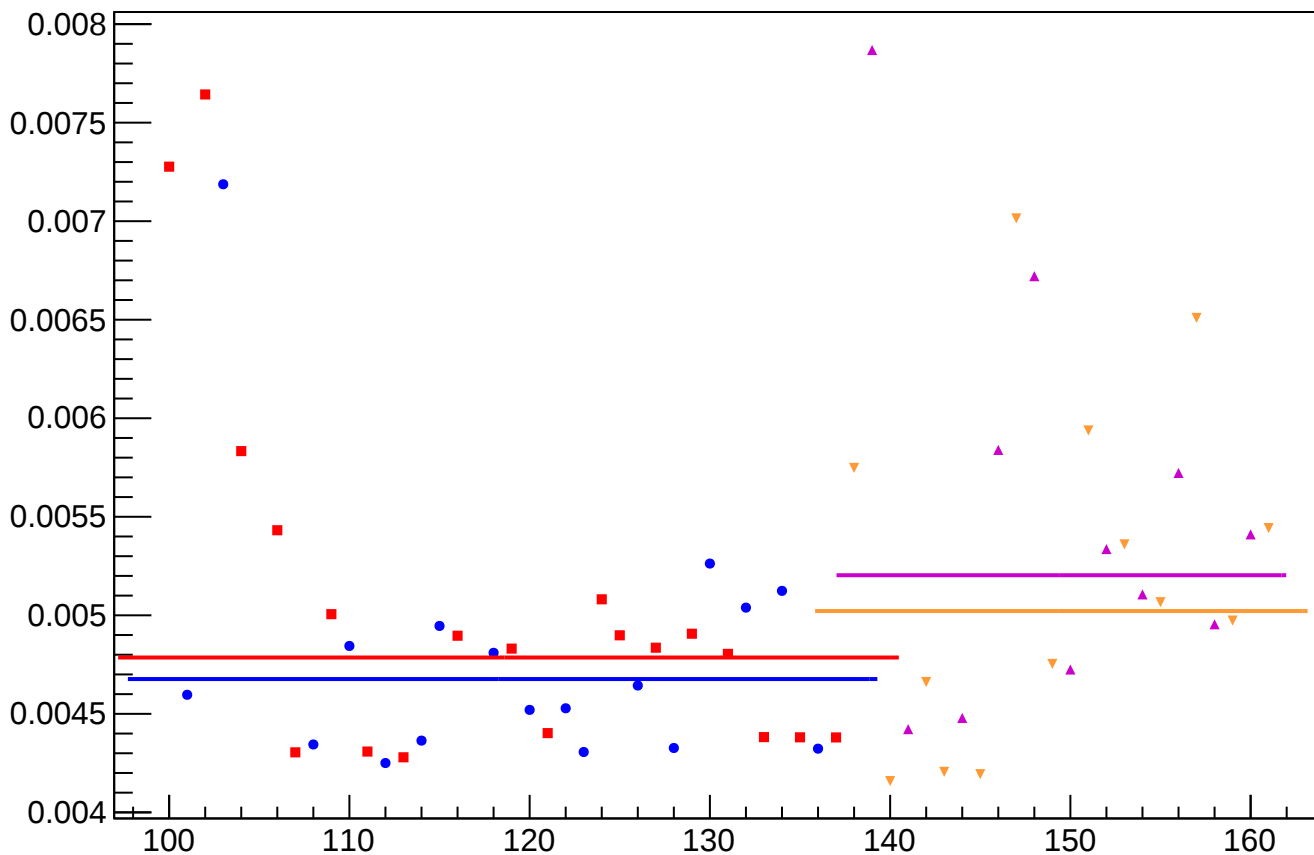
-0.225 ± 0.000 χ^2/NDF : 95948873.2/29

Right Out: -0.224 ± 0.000 χ^2/NDF : 168125914.6/18

-0.224 ± 0.000 χ^2/NDF : 182504169.1/29

Left In: -0.225 ± 0.000 χ^2/NDF : 14144752.7/10

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 181335.1/16

Left Out: 0.005+/-0.000 χ^2/NDF : 434077.0/12

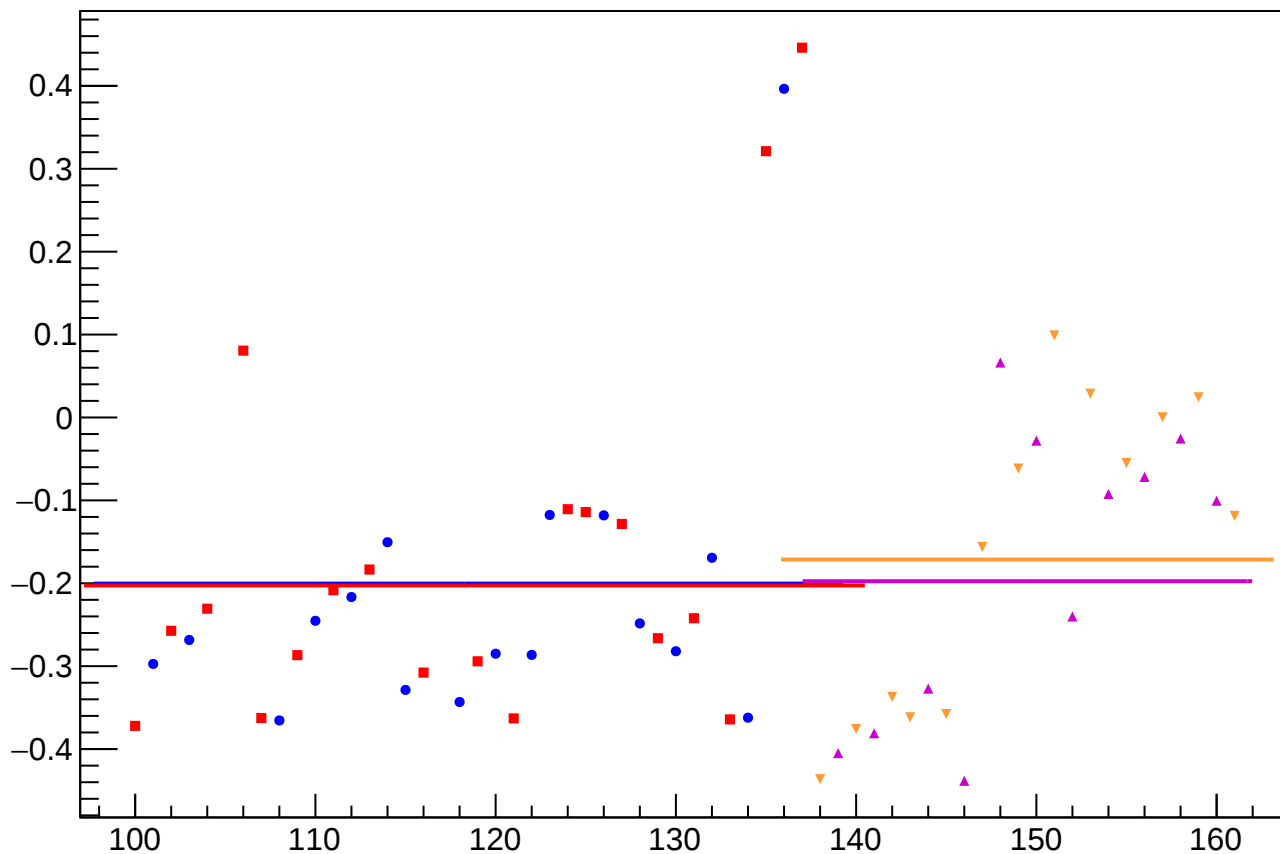
Right Out: 0.005+/-0.000 χ^2/NDF : 248196.8/18

Left In: 0.005+/-0.000 χ^2/NDF : 368674.8/10

0.005+/-0.000 χ^2/NDF : 652314.7/29

0.005+/-0.000 χ^2/NDF : 667757.5/29

yield_bpm0i02X_mean vs Slug



Right In: -0.200 ± 0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.171 ± 0.000 χ^2/NDF : 10428722823.3/12

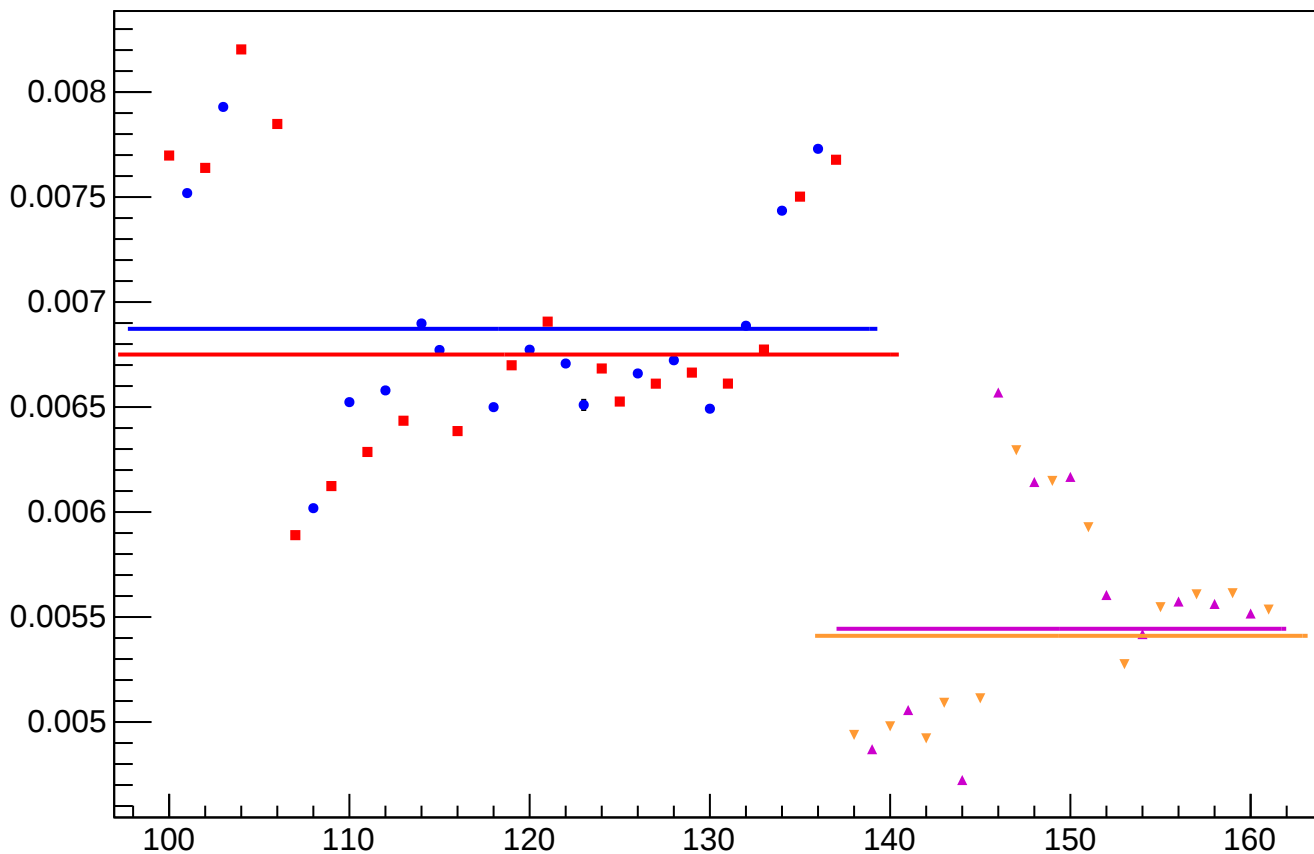
Right Out: -0.203 ± 0.000 χ^2/NDF : 5028268807.1/18

Left In: -0.198 ± 0.000 χ^2/NDF : 7283532919.0/10

-0.180 ± 0.000 χ^2/NDF : 16483050915.0/29

-0.199 ± 0.000 χ^2/NDF : 12314373753.2/29

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 :105389.9/12

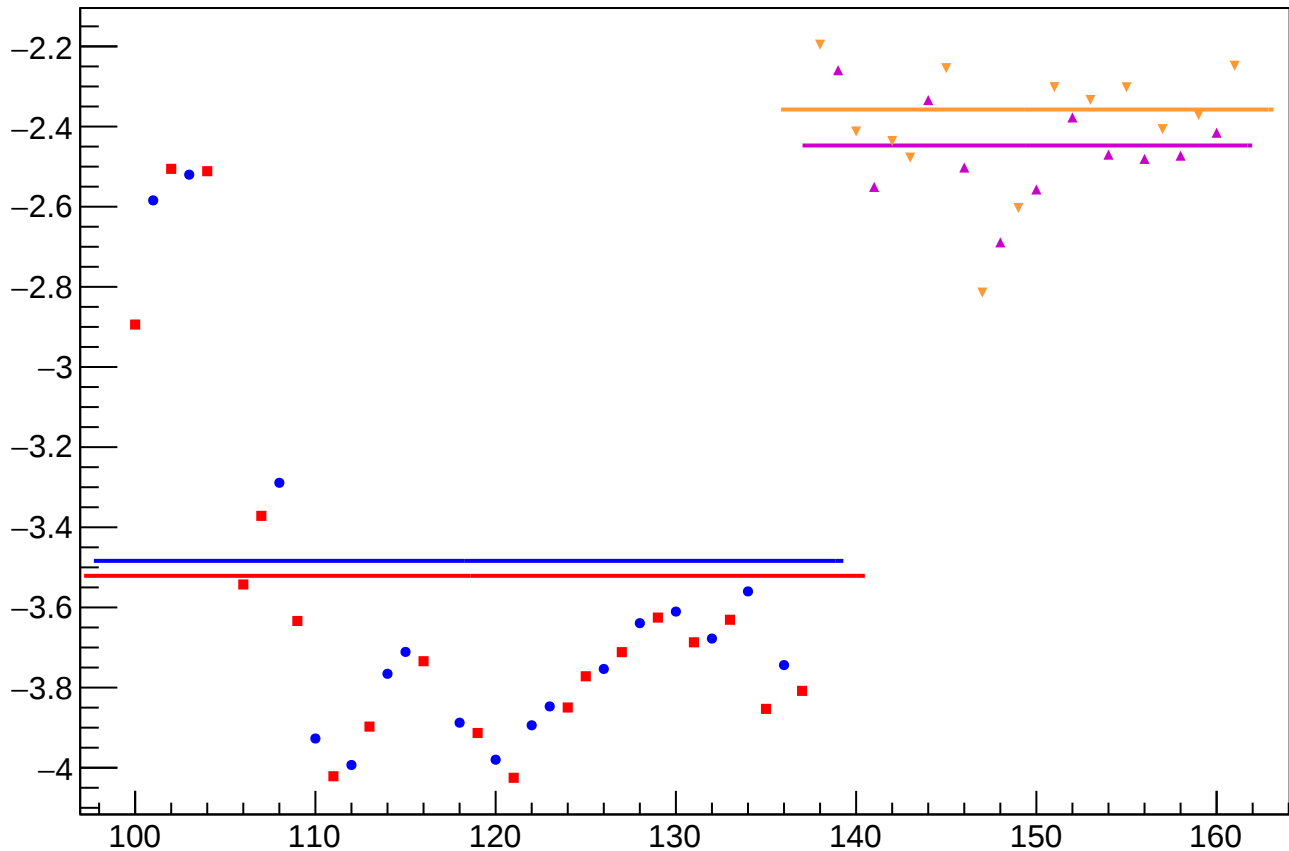
Right Out: 0.007+/-0.000 χ^2/NDF : 105124.4/18

Left In: 0.005+/-0.000 χ^2/NDF :143884.8/10

0.006+/-0.000 χ^2/NDF : 593657.0/29

0.006+/-0.000 χ^2/NDF : 581654.2/29

yield_bpm0i02Y_mean vs Slug



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.358+/-0.000 χ^2/NDF : 1627388254.4/12

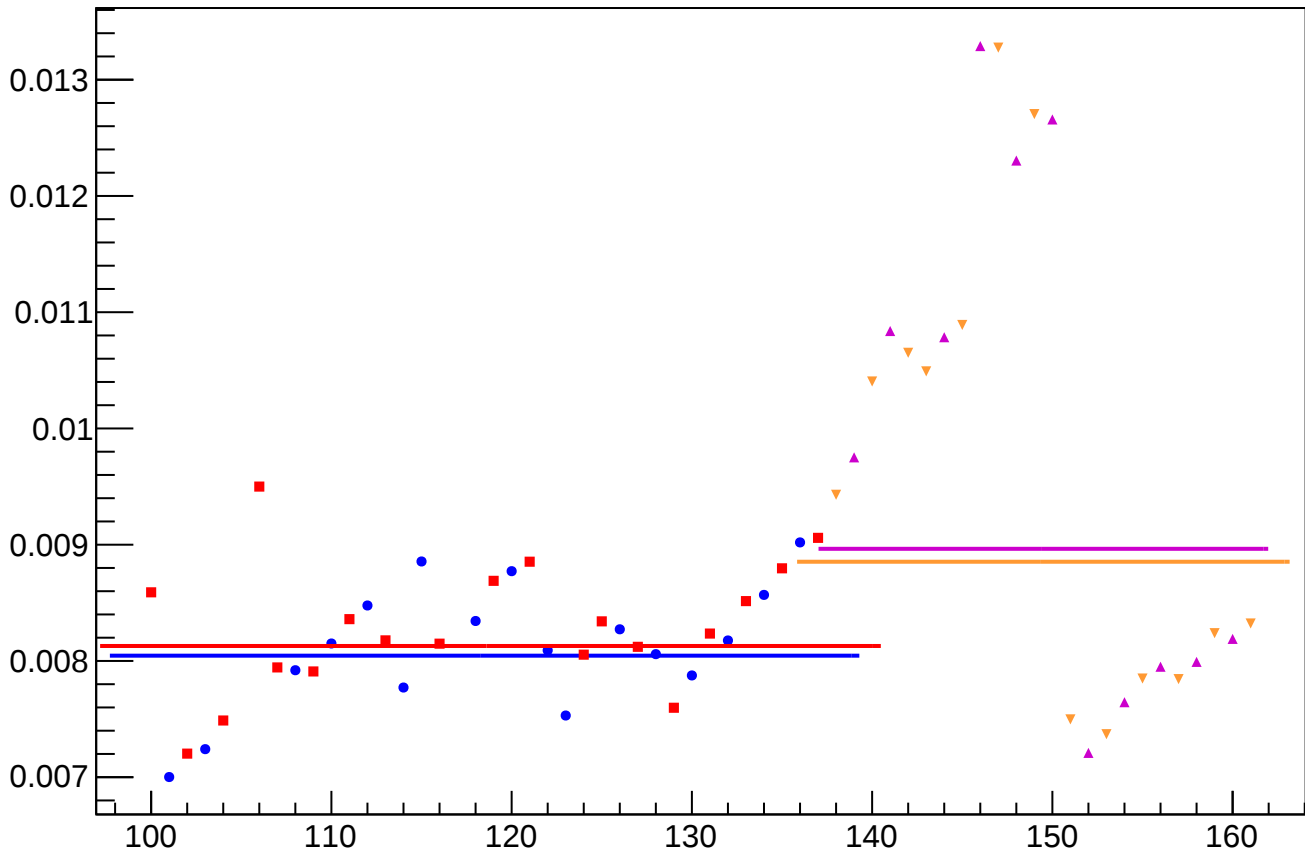
-2.890+/-0.000 χ^2/NDF : 96002477531.4/29

Right Out: -3.521+/-0.000 χ^2/NDF : 26472007419.8/18

-2.992+/-0.000 χ^2/NDF : 85586644384.2/29

Left In: -2.447+/-0.000 χ^2/NDF : 862081929.1/10

yield_bpm0i02Y_rms vs Slug



Right In: 0.008 ± 0.000 χ^2/NDF : 71989.8/16

Left Out: 0.009 ± 0.000 χ^2/NDF : 573252.9/12

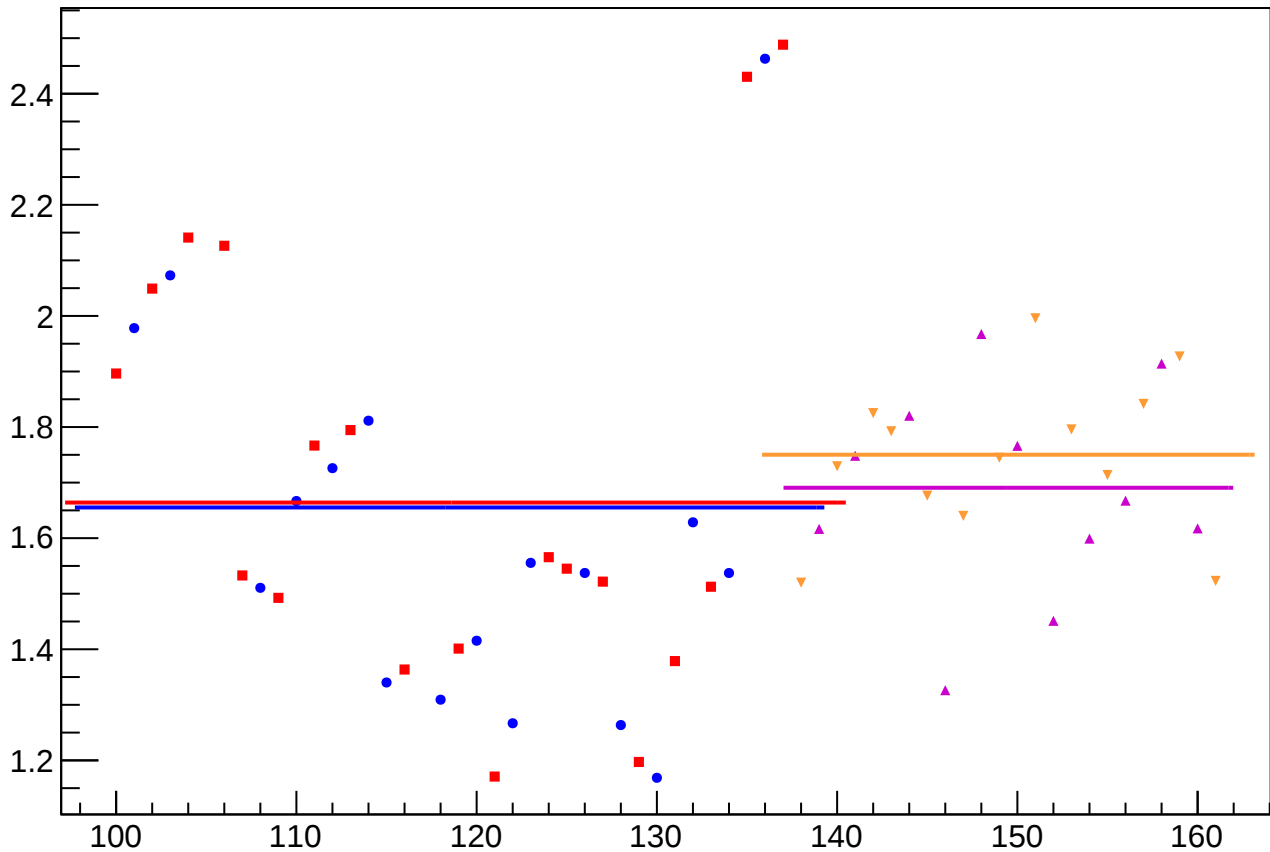
Right Out: 0.008 ± 0.000 χ^2/NDF : 57478.2/18

Left In: 0.009 ± 0.000 χ^2/NDF : 667068.5/10

0.008 ± 0.000 χ^2/NDF : 714436.0/29

0.009 ± 0.000 χ^2/NDF : 795137.0/29

yield_bpm0i02aX_mean vs Slug



Right In: 1.655 ± 0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.750 ± 0.000 χ^2/NDF : 1493516192.7/12

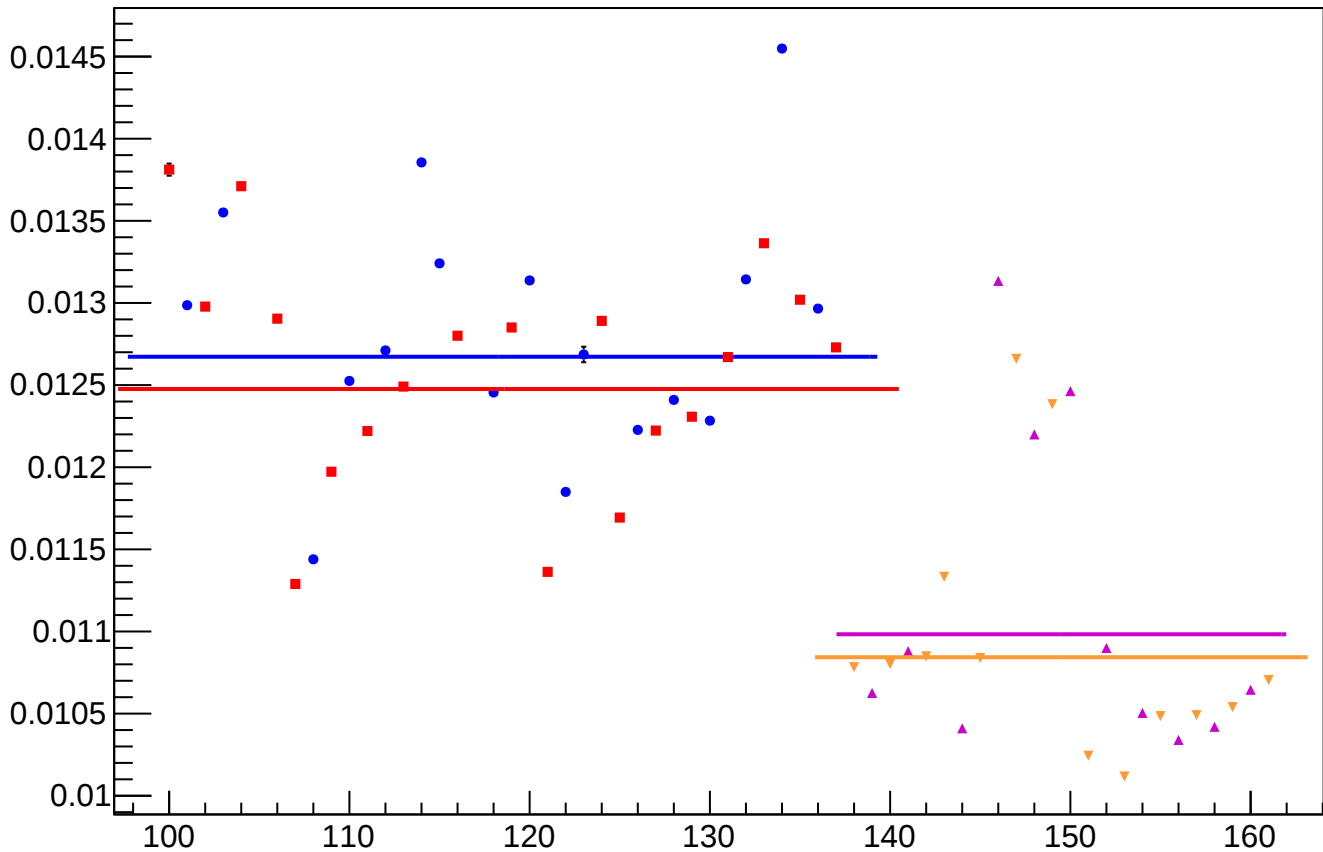
1.718 ± 0.000 χ^2/NDF : 8212245349.7/29

Right Out: 1.664 ± 0.000 χ^2/NDF : 5944262279.7/18

1.680 ± 0.000 χ^2/NDF : 7916305843.9/29

Left In: 1.691 ± 0.000 χ^2/NDF : 1952885535.0/10

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 : 72754.7/12

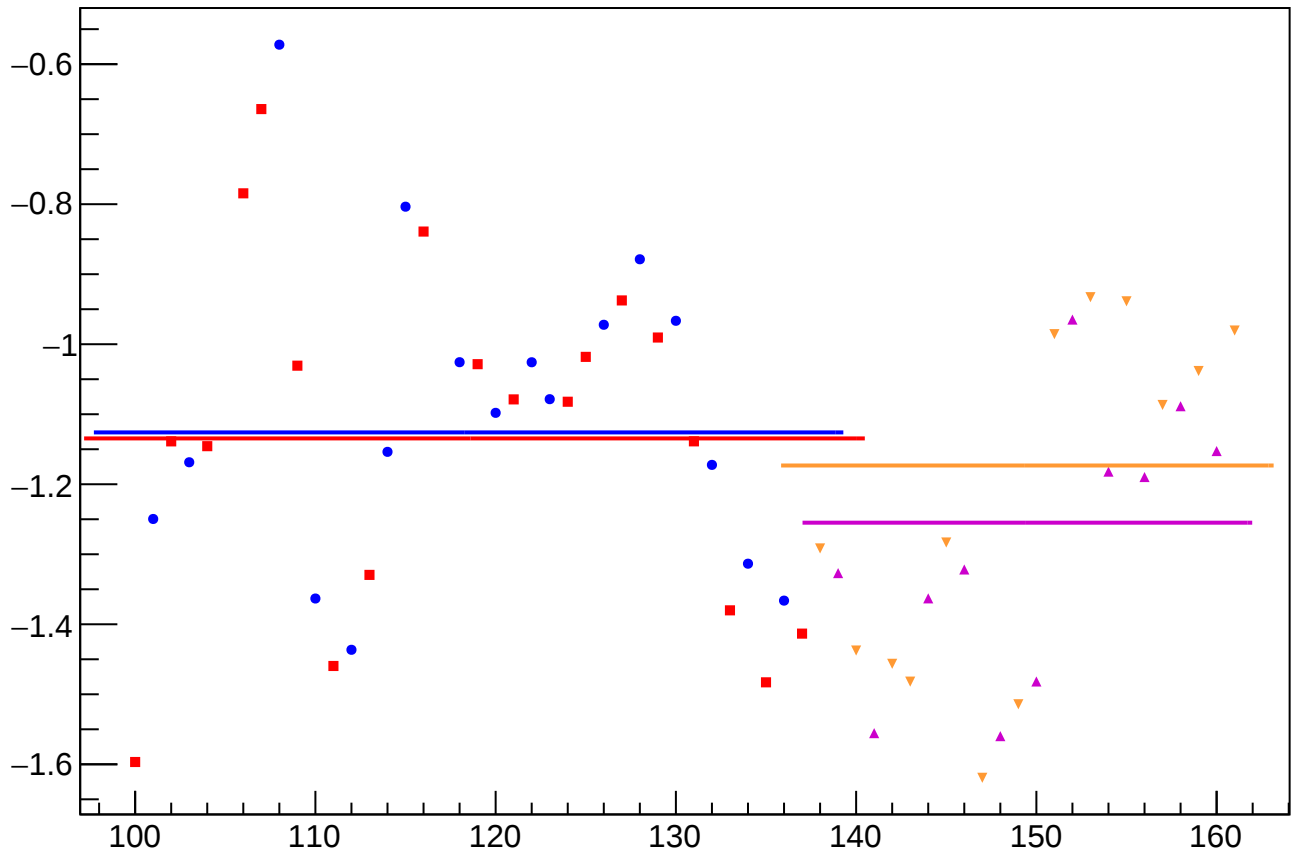
Right Out: 0.012+/-0.000 χ^2/NDF : 39134.8/18

Left In: 0.011+/-0.000 χ^2/NDF : 96278.8/10

0.011+/-0.000 χ^2/NDF : 284350.6/29

0.012+/-0.000 χ^2/NDF : 255846.2/29

yield_bpm0i02aY_mean vs Slug



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.173+/-0.000 χ^2/NDF : 6937774297.2/12

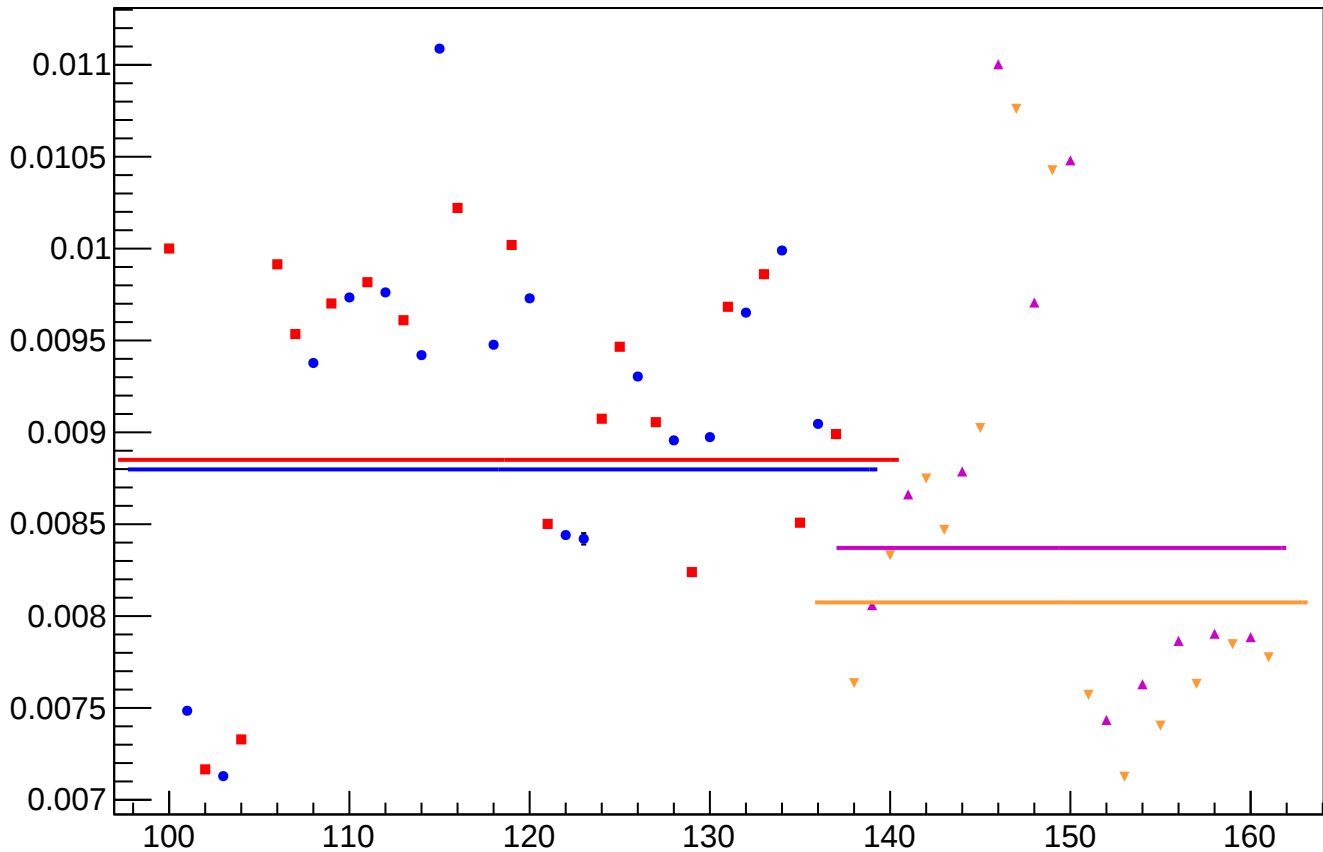
Right Out: -1.135+/-0.000 χ^2/NDF : 3677461023.4/18

Left In: -1.255+/-0.000 χ^2/NDF : 3995967958.1/10

-1.155+/-0.000 χ^2/NDF : 10626761168.9/29

-1.204+/-0.000 χ^2/NDF : 8381660569.6/29

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 : 227397.2/12

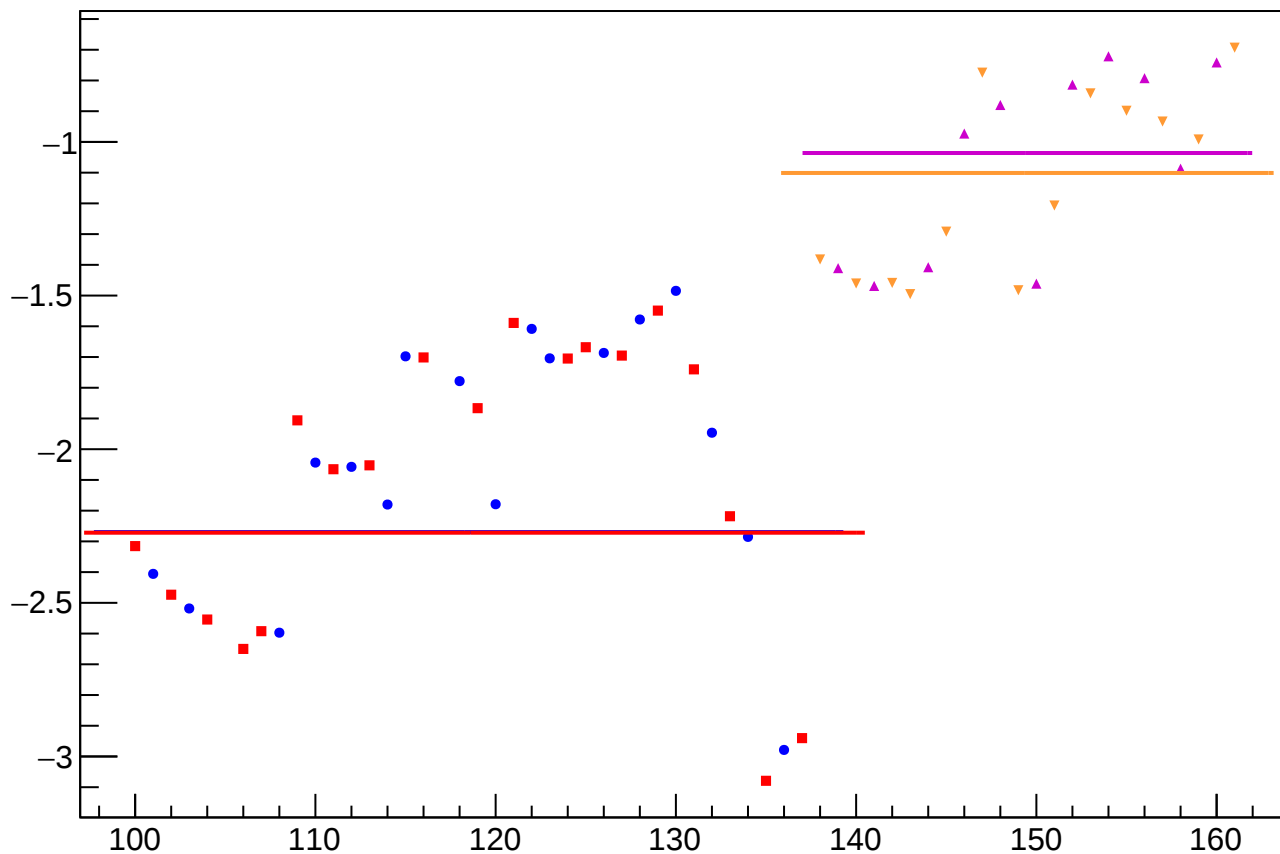
Right Out: 0.009+/-0.000 χ^2/NDF : 173958.0/18

Left In: 0.008+/-0.000 χ^2/NDF : 220596.7/10

0.008+/-0.000 χ^2/NDF : 432559.9/29

0.009+/-0.000 χ^2/NDF : 417031.3/29

yield_bpm0i05X_mean vs Slug



Right In: -2.270+/-0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.101+/-0.000 χ^2/NDF : 14592810217.3/12

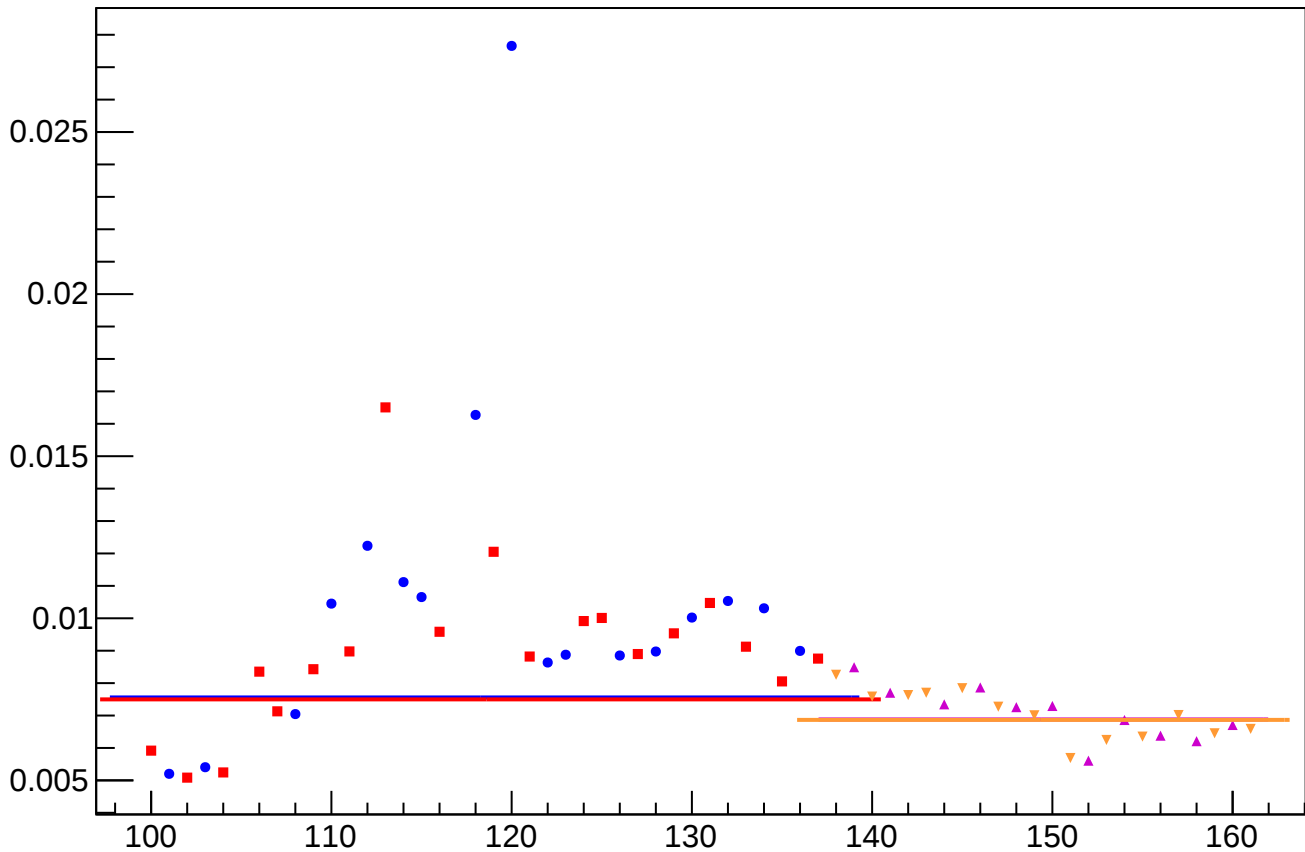
Right Out: -2.272+/-0.000 χ^2/NDF : 19009331715.4/18

Left In: -1.036+/-0.000 χ^2/NDF : 14297878757.0/10

-1.477+/-0.000 χ^2/NDF : 113643195071.1/29

-1.488+/-0.000 χ^2/NDF : 129673440275.7/29

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1221004.0/16

Left Out: 0.007+/-0.000 χ^2/NDF :189683.6/12

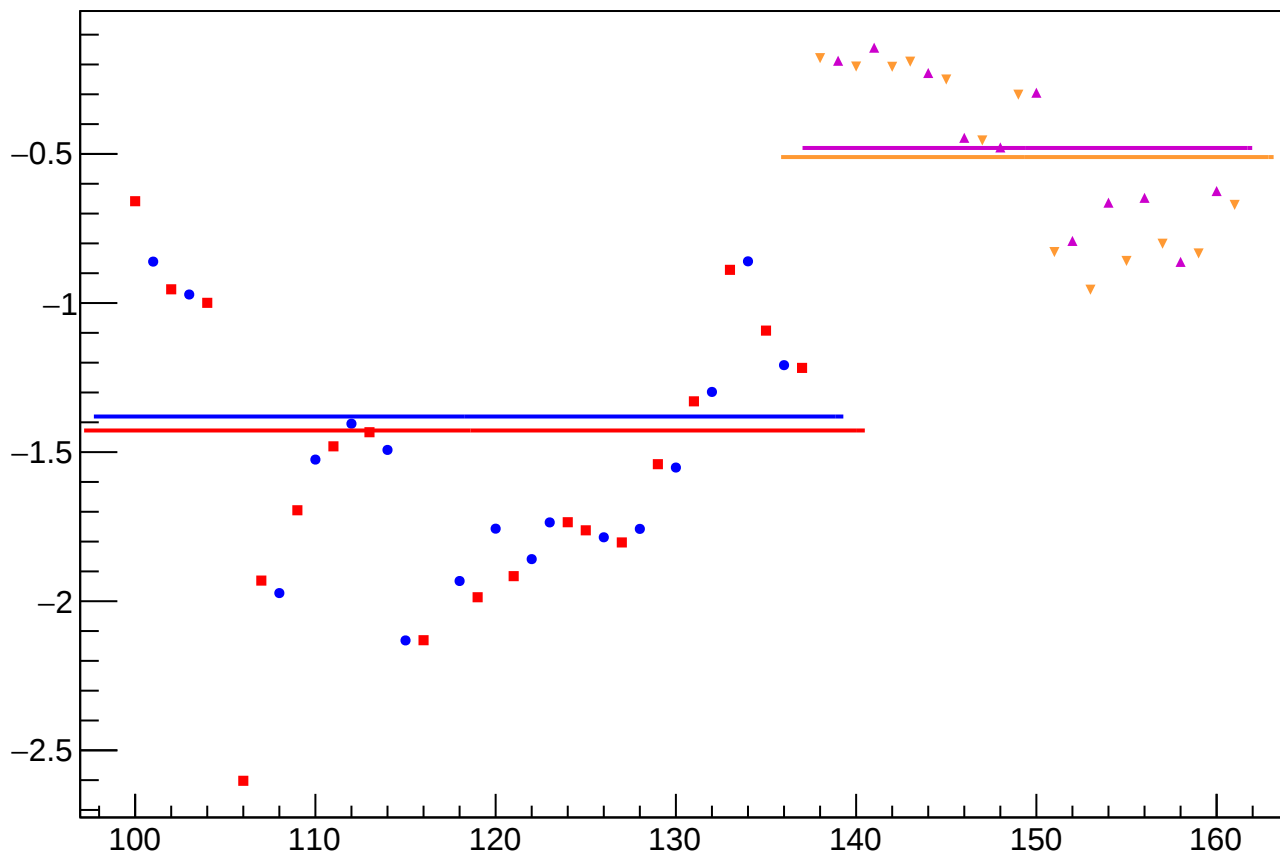
Right Out: 0.007+/-0.000 χ^2/NDF : 933998.1/18

Left In: 0.007+/-0.000 χ^2/NDF :209031.7/10

0.007+/-0.000 χ^2/NDF : 1467967.0/29

0.007+/-0.000 χ^2/NDF : 1191337.7/29

yield_bpm0i05Y_mean vs Slug



Right In: -1.381+/-0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.510+/-0.000 χ^2/NDF : 43887253270.8/12

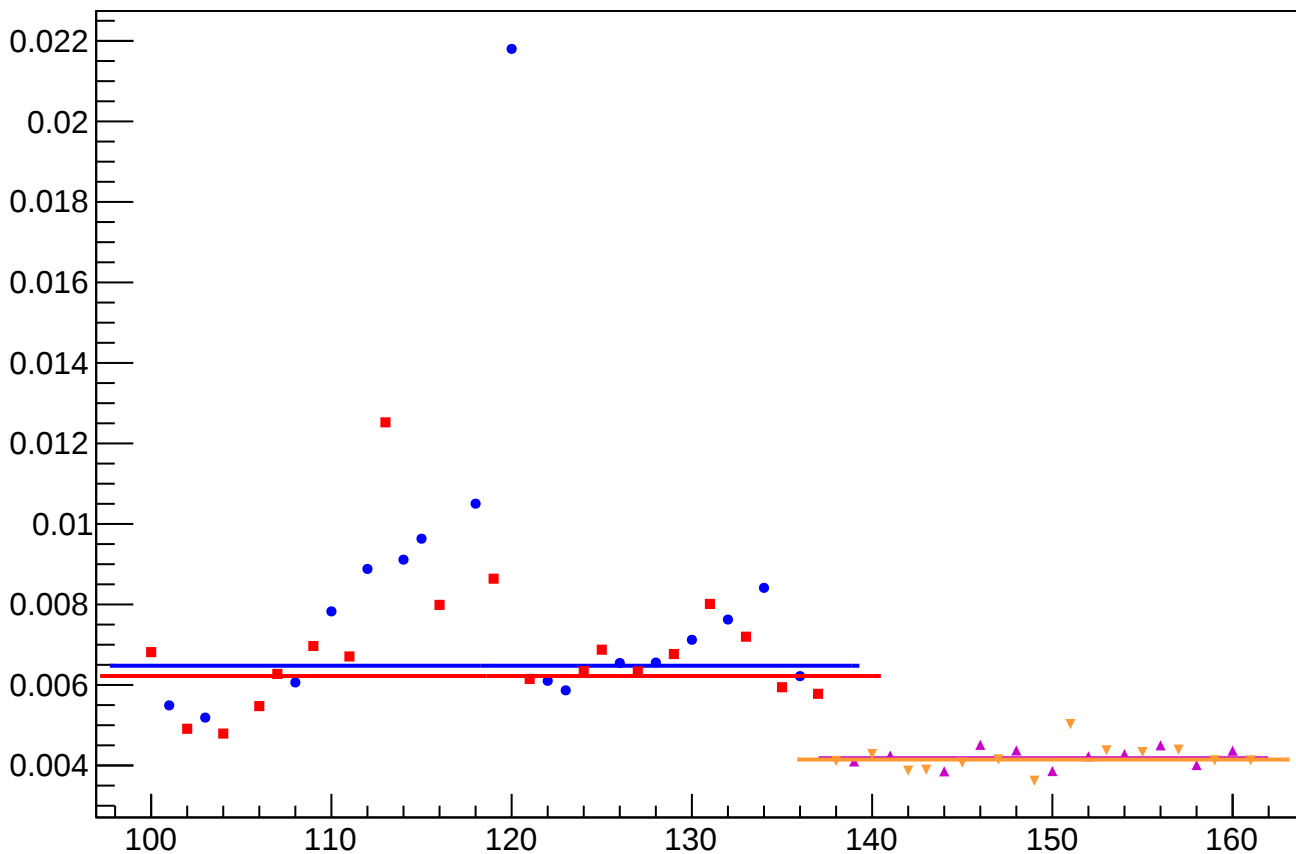
Right Out: -1.427+/-0.000 χ^2/NDF : 29616178528.0/18

Left In: -0.480+/-0.000 χ^2/NDF : 27659583035.6/10

-0.688+/-0.000 χ^2/NDF : 142101884840.1/29

-0.715+/-0.000 χ^2/NDF : 159787623344.6/29

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 :87303.6/12

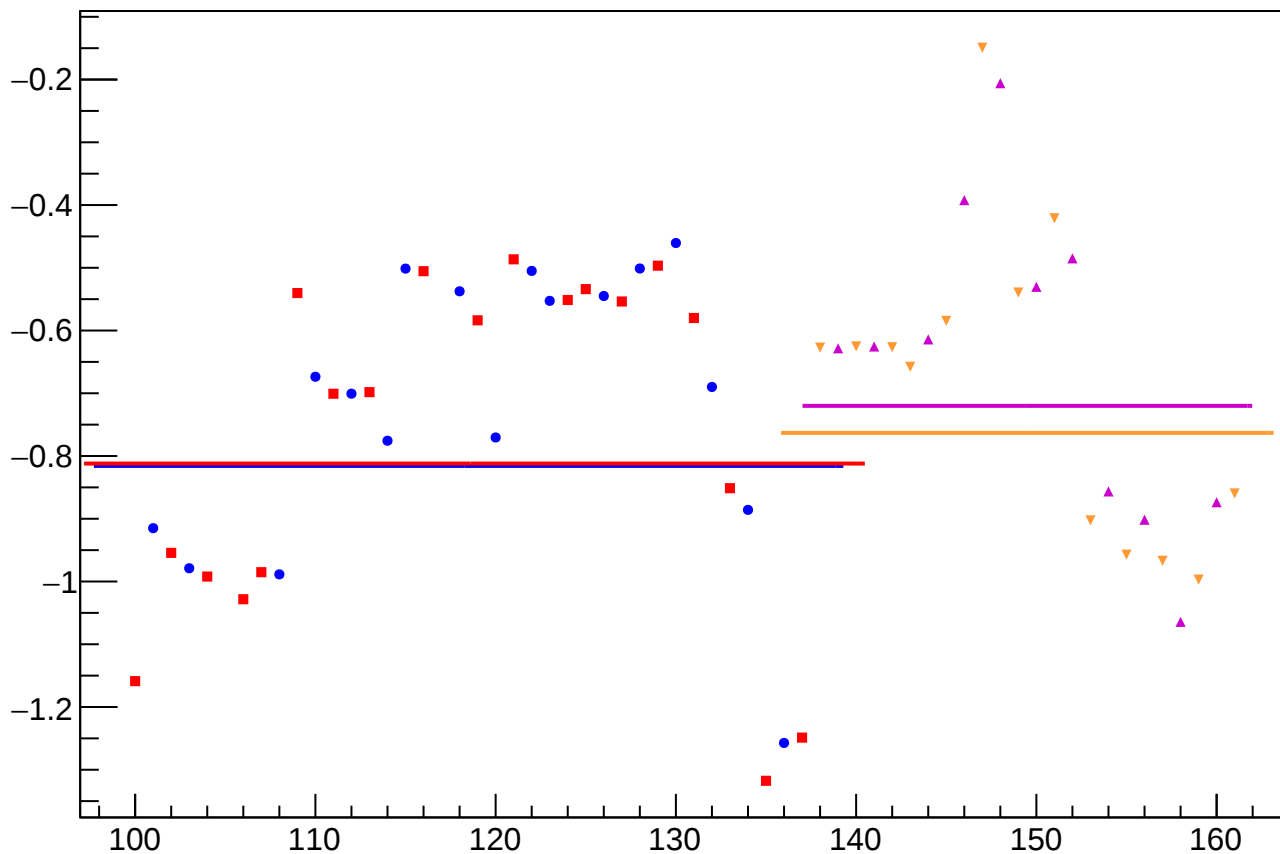
Right Out: 0.006+/-0.000 χ^2/NDF : 423437.1/18

Left In: 0.004+/-0.000 χ^2/NDF :46107.9/10

0.005+/-0.000 χ^2/NDF : 1782062.5/29

0.005+/-0.000 χ^2/NDF : 1422130.3/29

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.763+/-0.000 χ^2/NDF : 24485666015.6/12

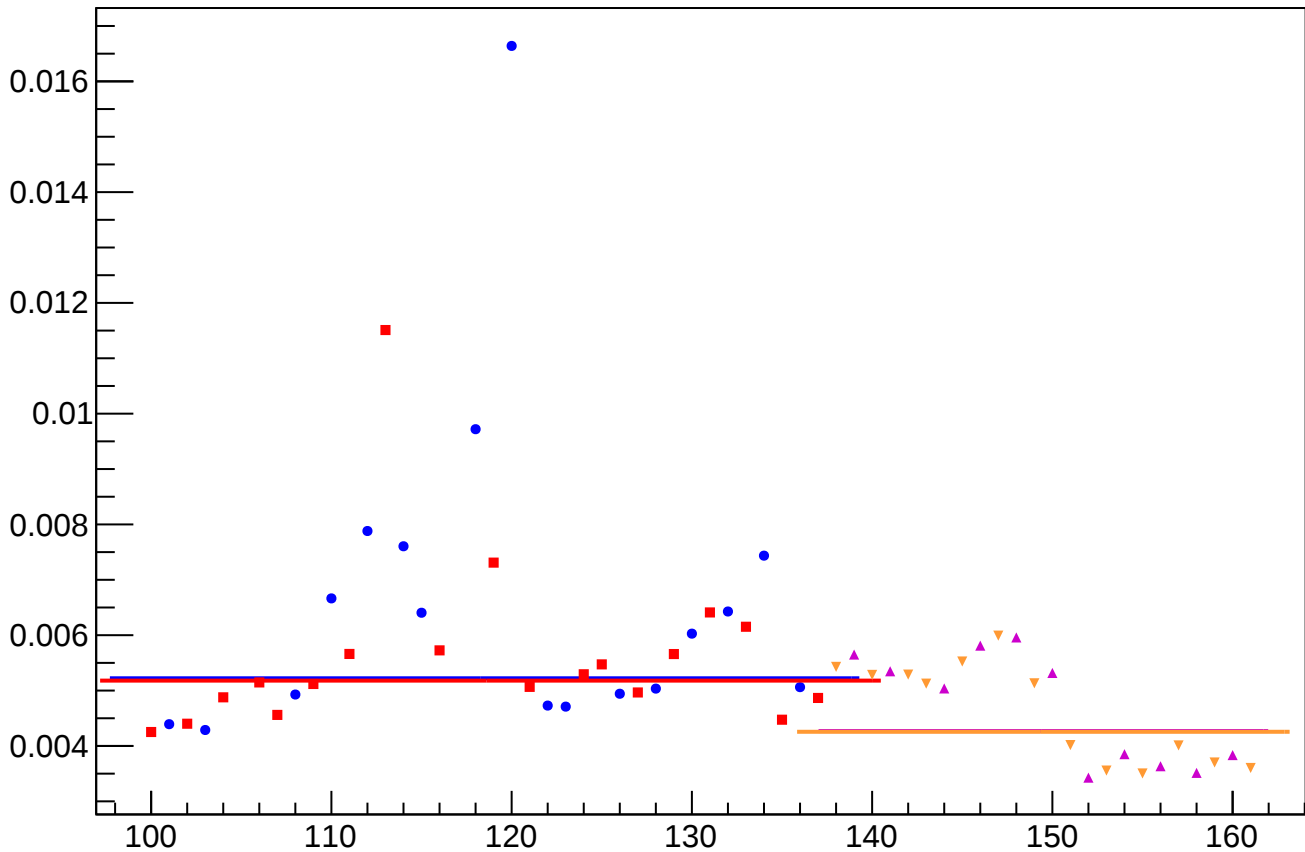
Right Out: -0.812+/-0.000 χ^2/NDF : 16815852448.9/18

Left In: -0.720+/-0.000 χ^2/NDF : 24577173270.9/10

-0.779+/-0.000 χ^2/NDF : 39043200029.6/29

-0.751+/-0.000 χ^2/NDF : 42633354160.1/29

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 : 635949.6/12

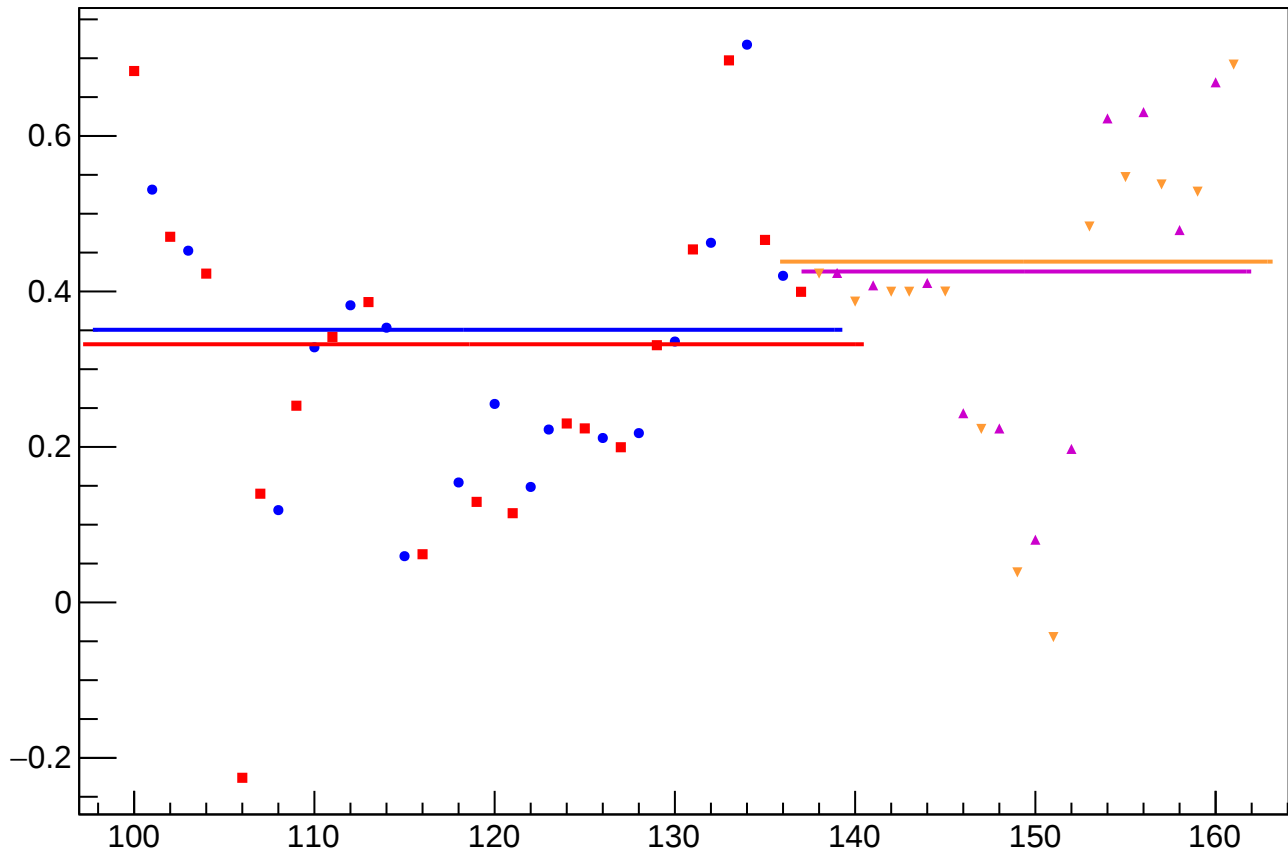
Right Out: 0.005+/-0.000 χ^2/NDF : 363781.3/18

Left In: 0.004+/-0.000 χ^2/NDF : 704831.4/10

0.005+/-0.000 χ^2/NDF : 1558562.9/29

0.005+/-0.000 χ^2/NDF : 1311987.3/29

yield_bpm0i07Y_mean vs Slug



Right In: 0.351 ± 0.000 χ^2/NDF : 7410859446.3/16

Left Out: 0.438 ± 0.000 χ^2/NDF : 25099269200.9/12

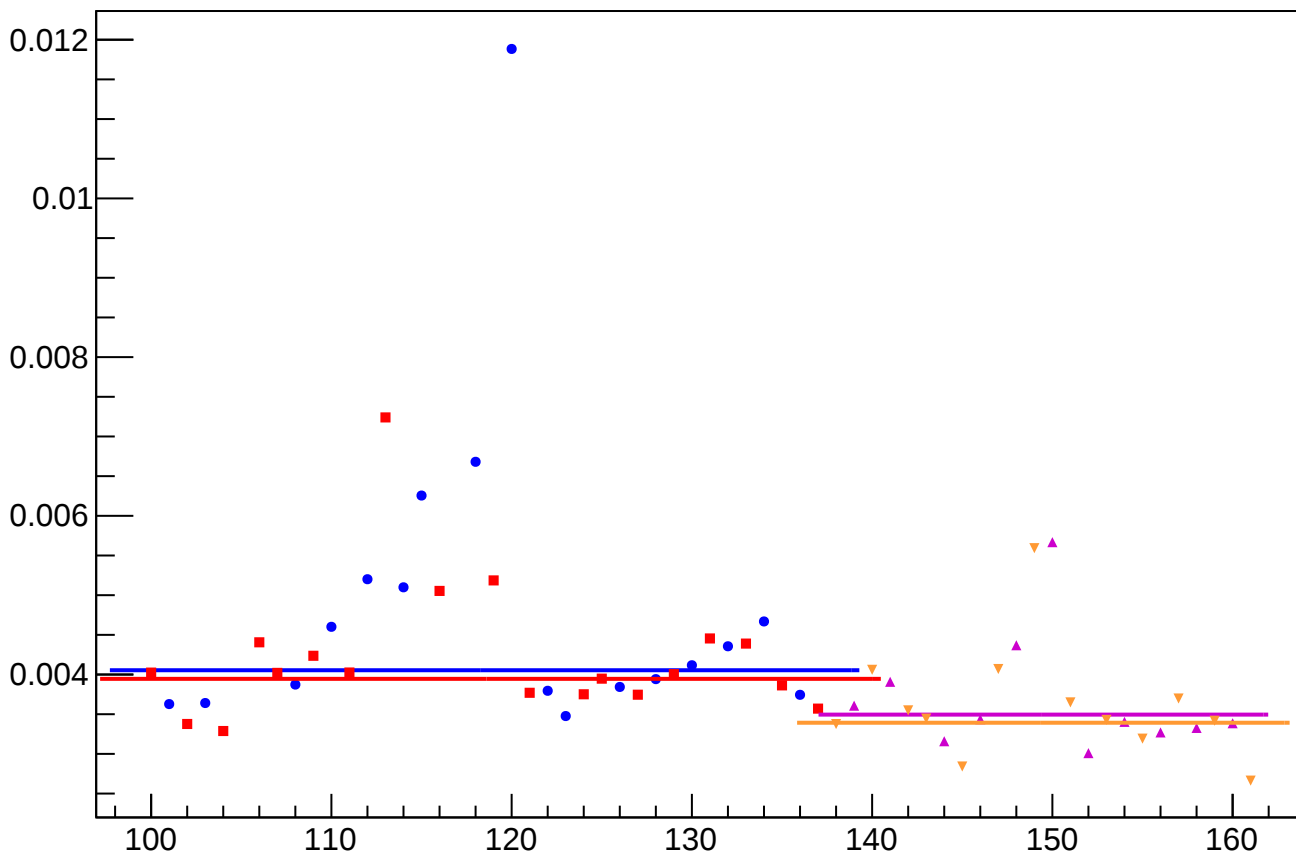
0.410 ± 0.000 χ^2/NDF : 34300799916.2/29

Right Out: 0.332 ± 0.000 χ^2/NDF : 11796213425.9/18

0.389 ± 0.000 χ^2/NDF : 33531481469.7/29

Left In: 0.426 ± 0.000 χ^2/NDF : 19623346516.0/10

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 455318.3/16

Left Out: 0.003+/-0.000 χ^2/NDF : 468176.5/12

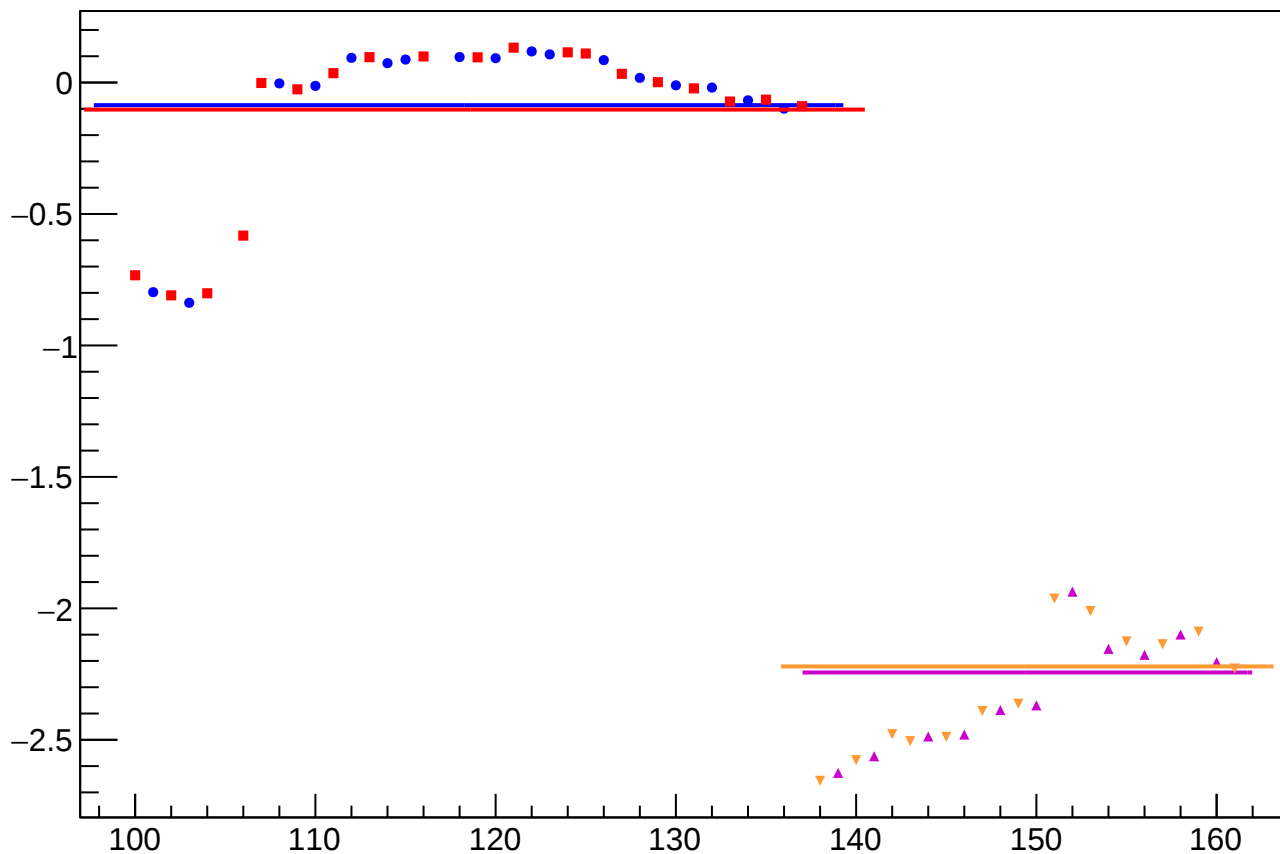
Right Out: 0.004+/-0.000 χ^2/NDF : 260968.0/18

Left In: 0.003+/-0.000 χ^2/NDF : 360660.6/10

0.004+/-0.000 χ^2/NDF : 1127402.7/29

0.004+/-0.000 χ^2/NDF : 719619.0/29

yield_bpm1i02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.221+/-0.000 χ^2/NDF : 3413389267.6/12

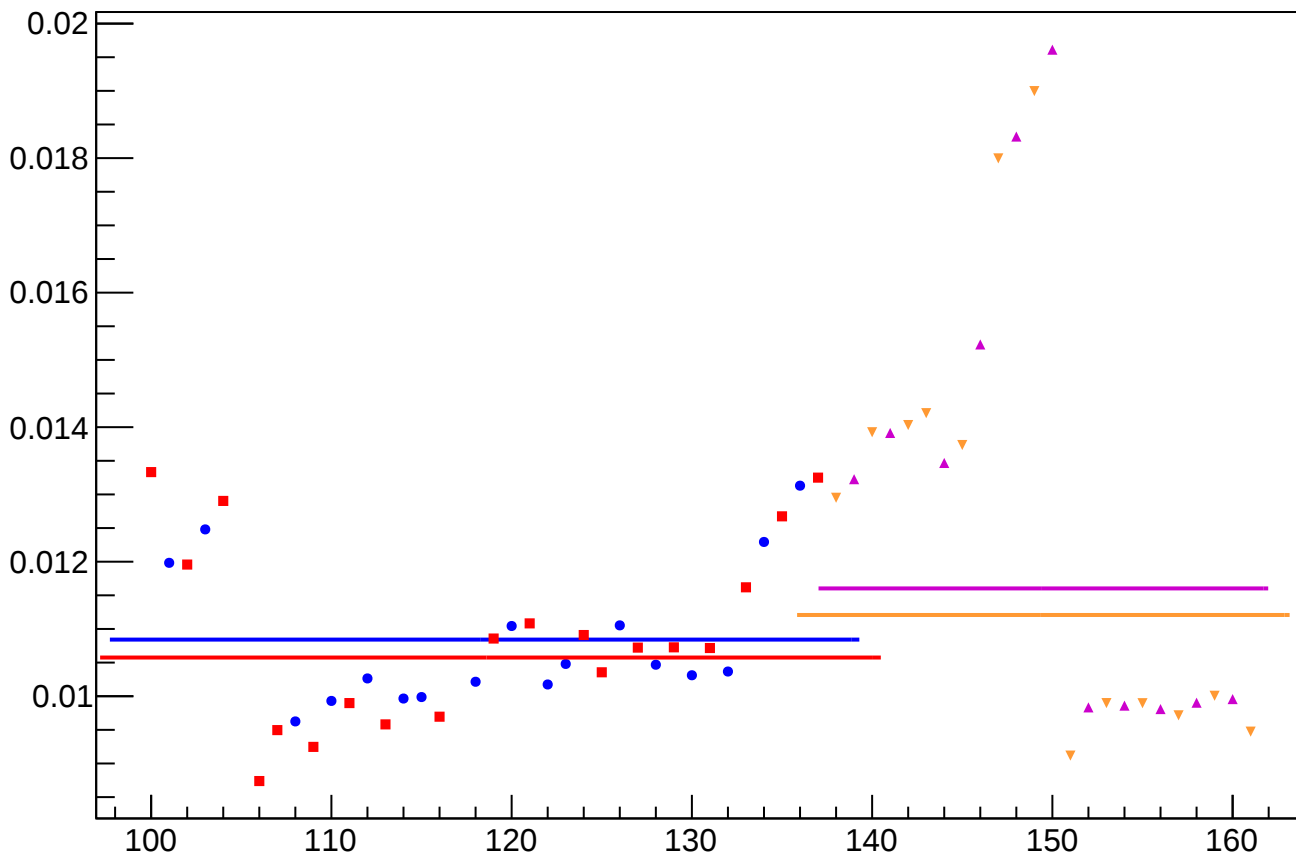
Right Out: -0.103+/-0.000 χ^2/NDF : 5553039516.7/18

Left In: -2.244+/-0.000 χ^2/NDF : 2659056126.5/10

-1.292+/-0.000 χ^2/NDF : 153751045258.4/29

-1.172+/-0.000 χ^2/NDF : 151703292419.9/29

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.011+/-0.000 χ^2/NDF : 972528.4/12

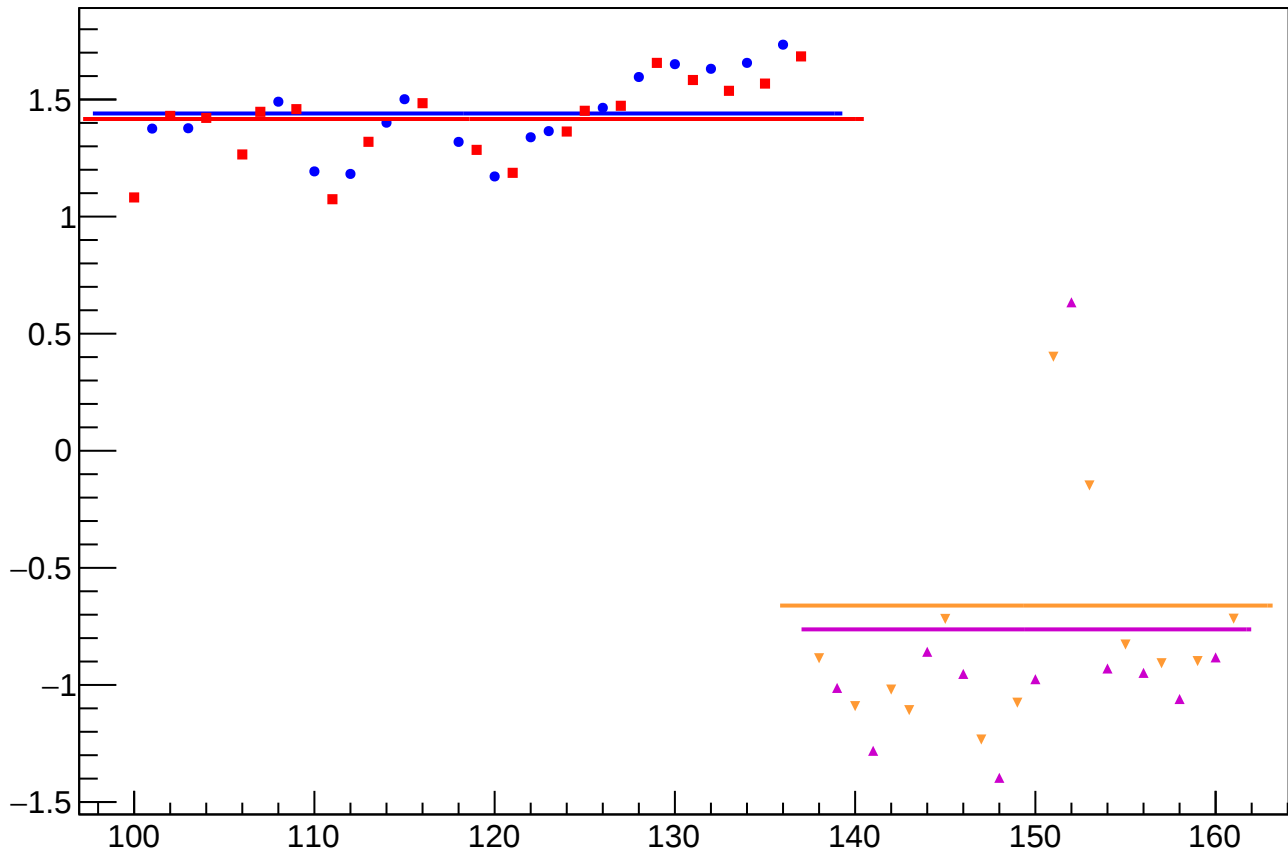
Right Out: 0.011+/-0.000 χ^2/NDF : 178967.4/18

Left In: 0.012+/-0.000 χ^2/NDF : 943362.5/10

0.011+/-0.000 χ^2/NDF : 1105331.6/29

0.011+/-0.000 χ^2/NDF : 1188410.8/29

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.661 $\pm$ 0.000 χ^2 /NDF: 29237153797.9/12

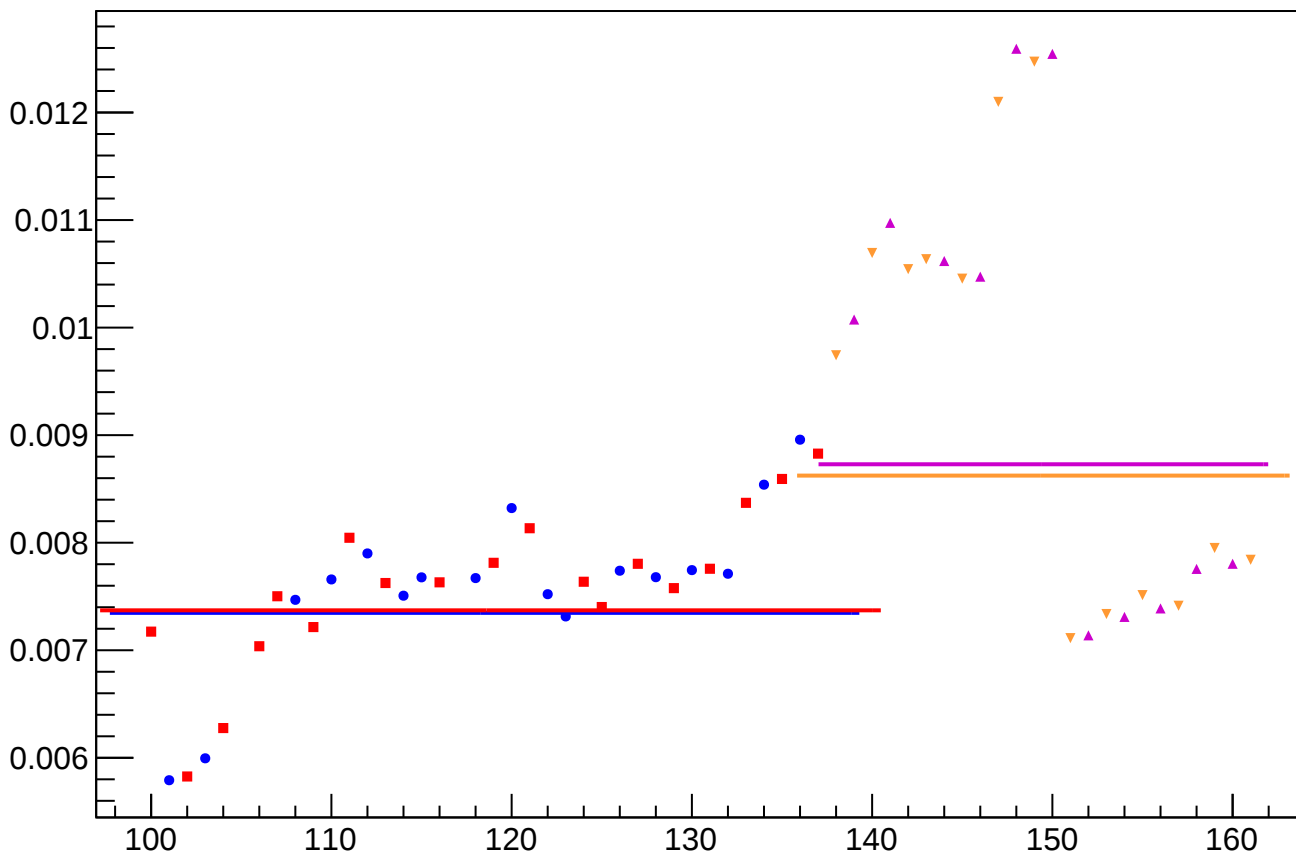
Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674064512.3/18

Left In: -0.763 $\pm$ 0.000 χ^2 /NDF: 38862557294.0/10

0.374 $\pm$ 0.000 χ^2 /NDF: 306035498395.3/29

0.405 $\pm$ 0.000 χ^2 /NDF: 326317904204.5/29

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 : 705110.0/12

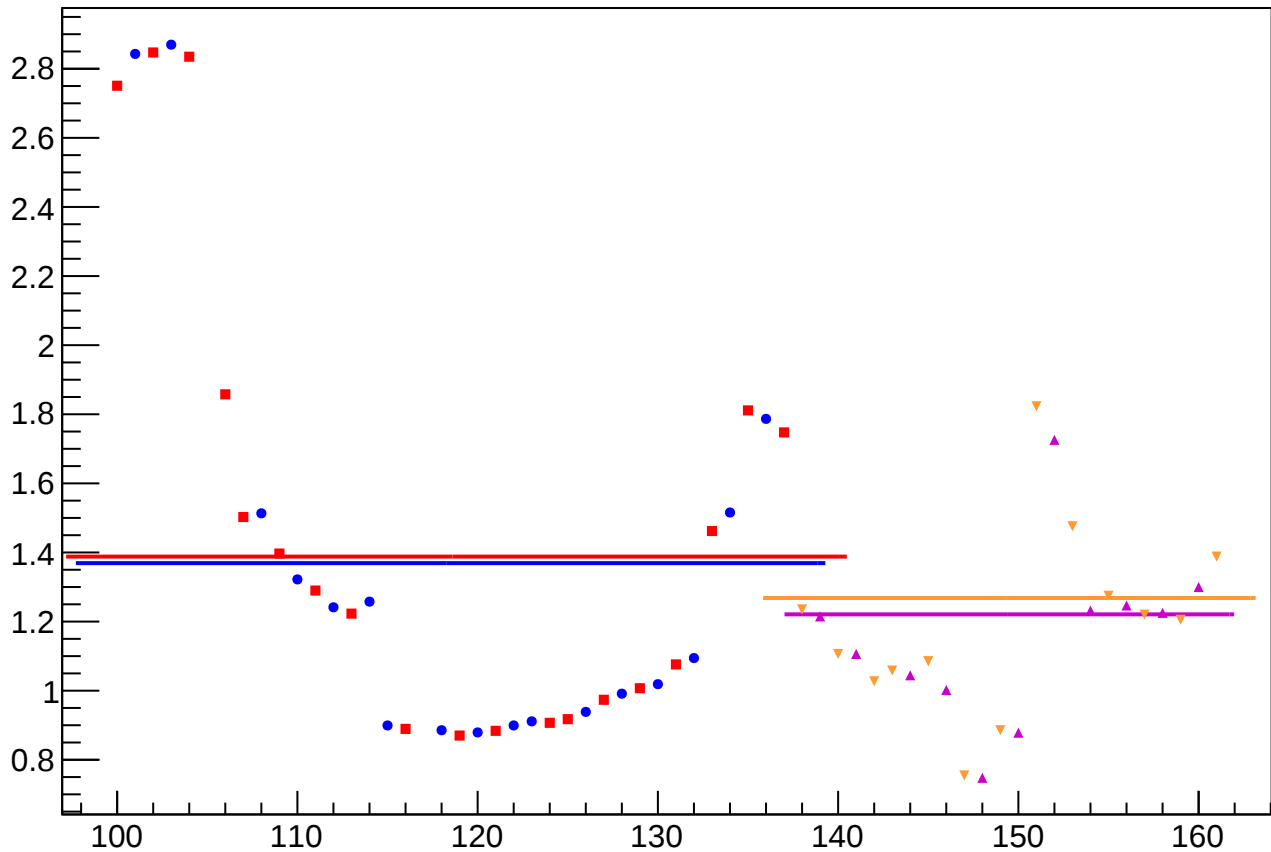
Right Out: 0.007+/-0.000 χ^2/NDF : 172689.5/18

Left In: 0.009+/-0.000 χ^2/NDF : 748719.3/10

0.008+/-0.000 χ^2/NDF : 1134919.0/29

0.008+/-0.000 χ^2/NDF : 1142553.6/29

yield_bpm1i04X_mean vs Slug



Right In: 1.369+/-0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.268+/-0.000 χ^2/NDF : 8956245476.6/12

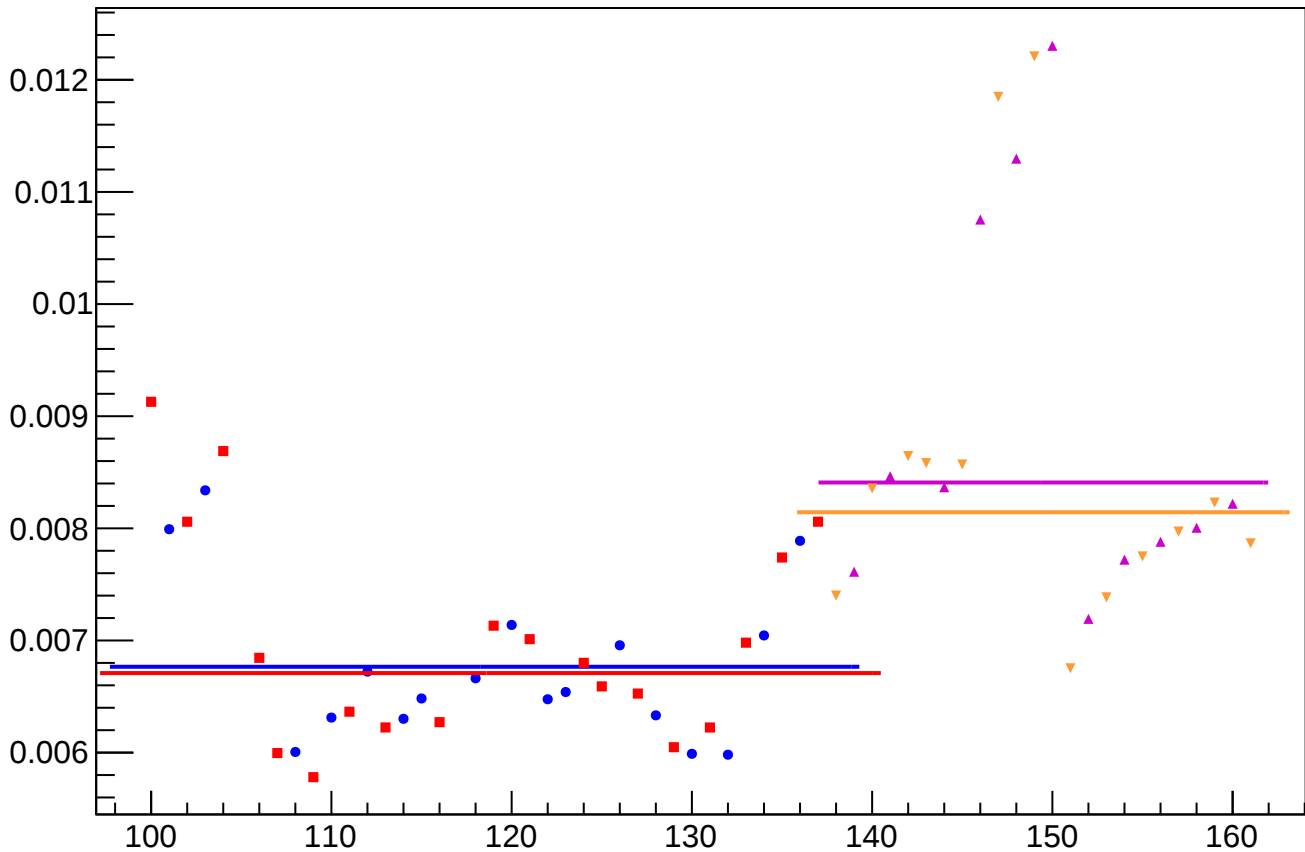
1.320+/-0.000 χ^2/NDF : 63881244273.9/29

Right Out: 1.388+/-0.000 χ^2/NDF : 49900245868.0/18

1.315+/-0.000 χ^2/NDF : 58690110668.5/29

Left In: 1.221+/-0.000 χ^2/NDF : 6902566981.1/10

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 159554.9/16

Left Out: 0.008+/-0.000 χ^2/NDF : 407462.0/12

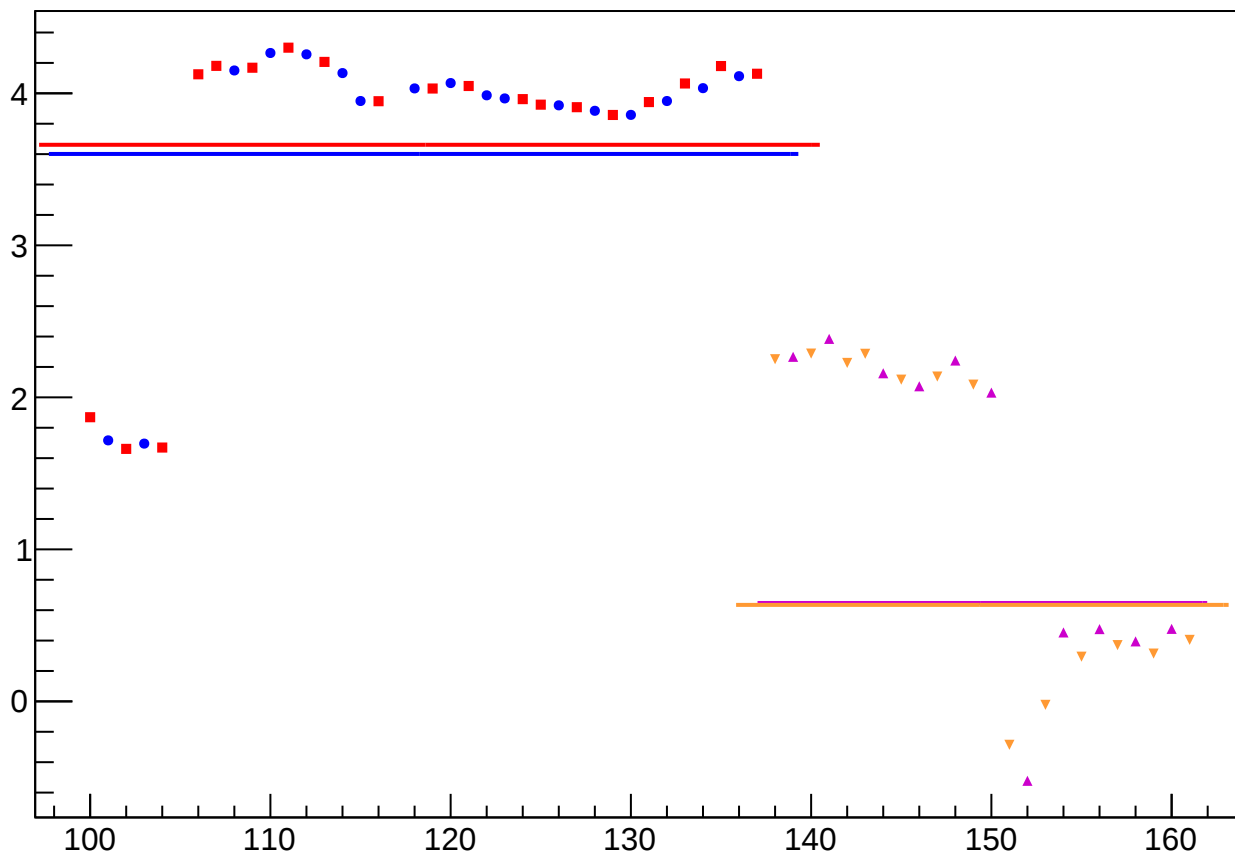
Right Out: 0.007+/-0.000 χ^2/NDF : 187826.7/18

Left In: 0.008+/-0.000 χ^2/NDF : 413779.6/10

0.007+/-0.000 χ^2/NDF : 835294.2/29

0.007+/-0.000 χ^2/NDF : 991862.6/29

yield_bpm1i04Y_mean vs Slug



Right In: 3.601+/-0.000 χ^2/NDF : 185806937655.3/16

Left Out: 0.635+/-0.000 χ^2/NDF : 254503107654.1/12

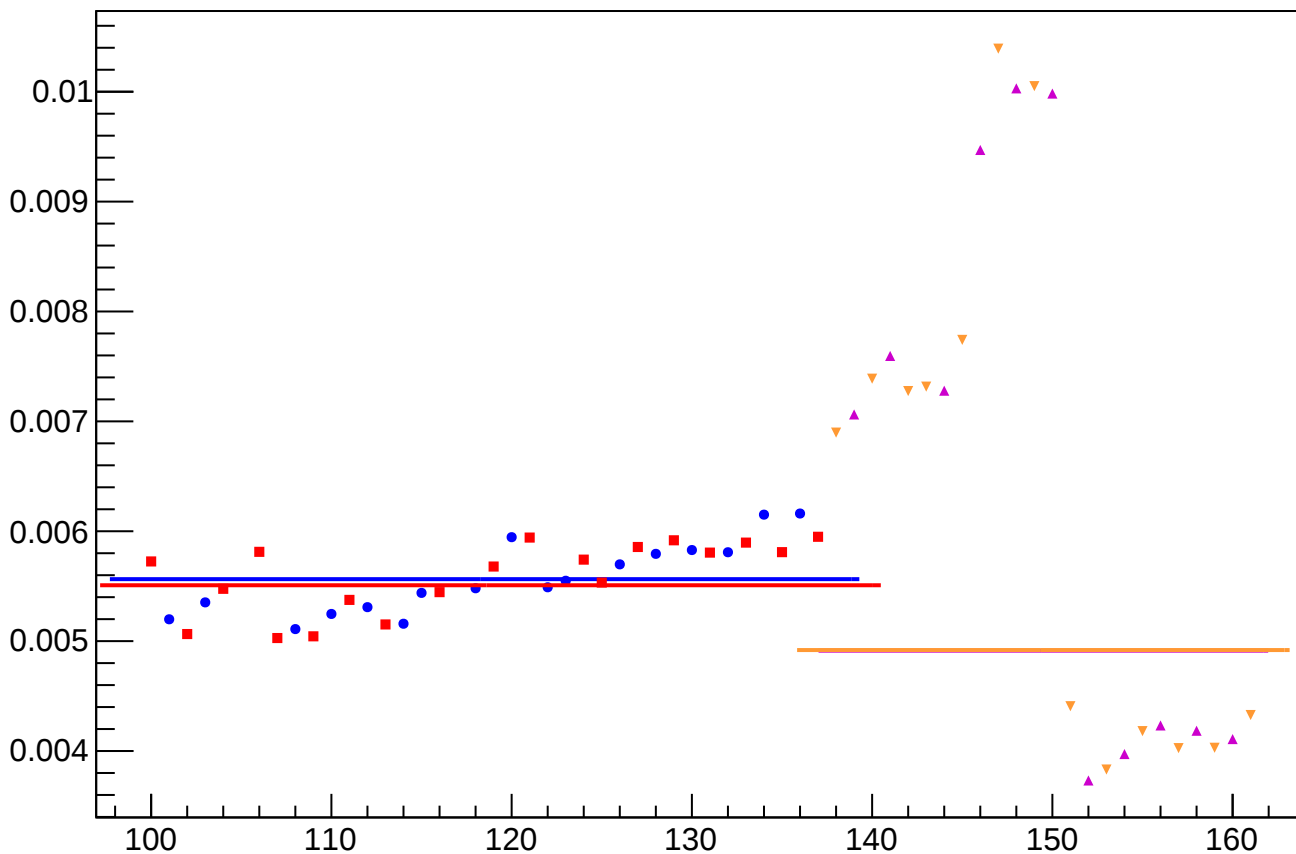
Right Out: 3.661+/-0.000 χ^2/NDF : 192519897222.5/18

Left In: 0.647+/-0.000 χ^2/NDF : 250723701637.6/10

1.780+/-0.000 χ^2/NDF : 1606877611037.2/29

1.925+/-0.000 χ^2/NDF : 1643212731629.1/29

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 :1836875.9/12

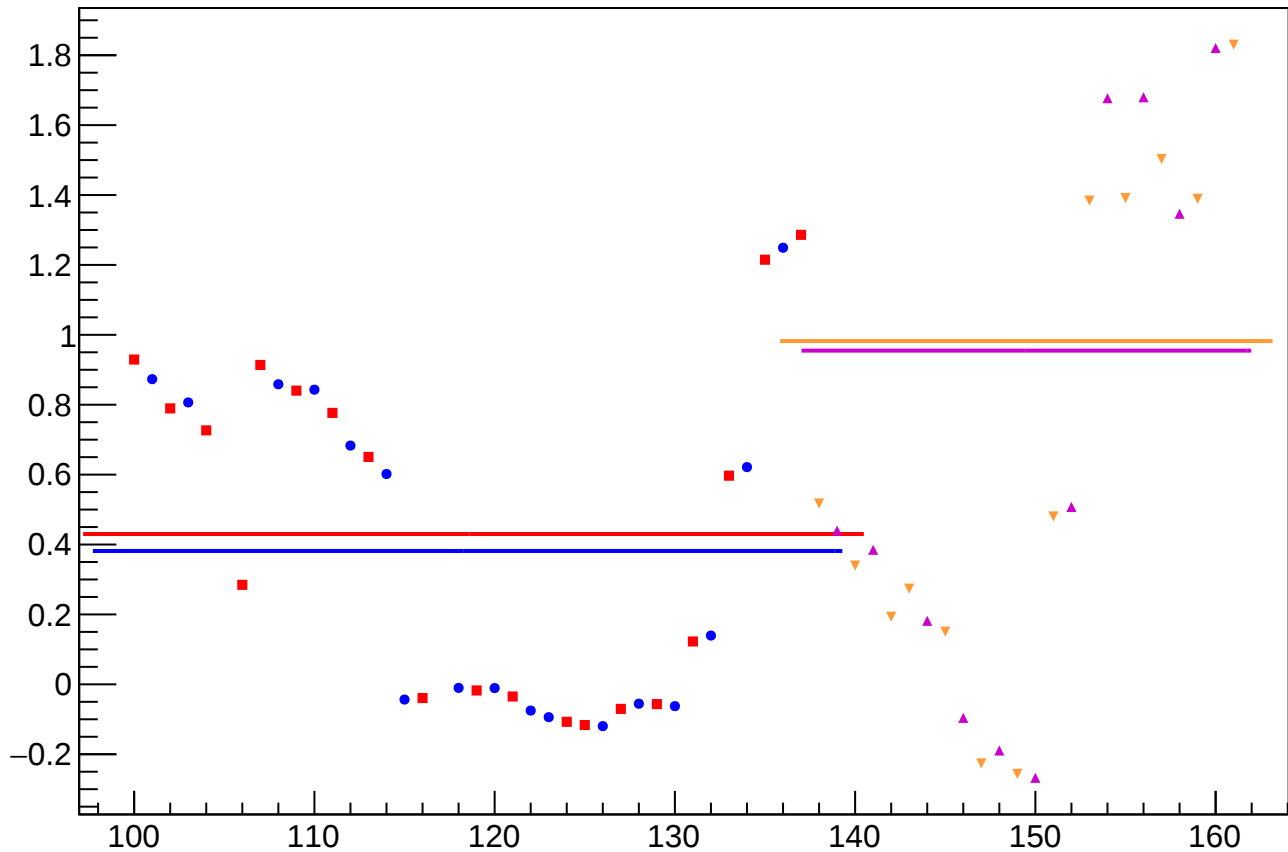
Right Out: 0.006+/-0.000 χ^2/NDF : 52634.8/18

Left In: 0.005+/-0.000 χ^2/NDF :2014140.5/10

0.005+/-0.000 χ^2/NDF : 1994882.2/29

0.005+/-0.000 χ^2/NDF : 2160419.5/29

yield_bpm1i06X_mean vs Slug



Right In: 0.382+/-0.000 χ^2/NDF : 7124759123.1/16

Left Out: 0.982+/-0.000 χ^2/NDF : 26917881989.3/12

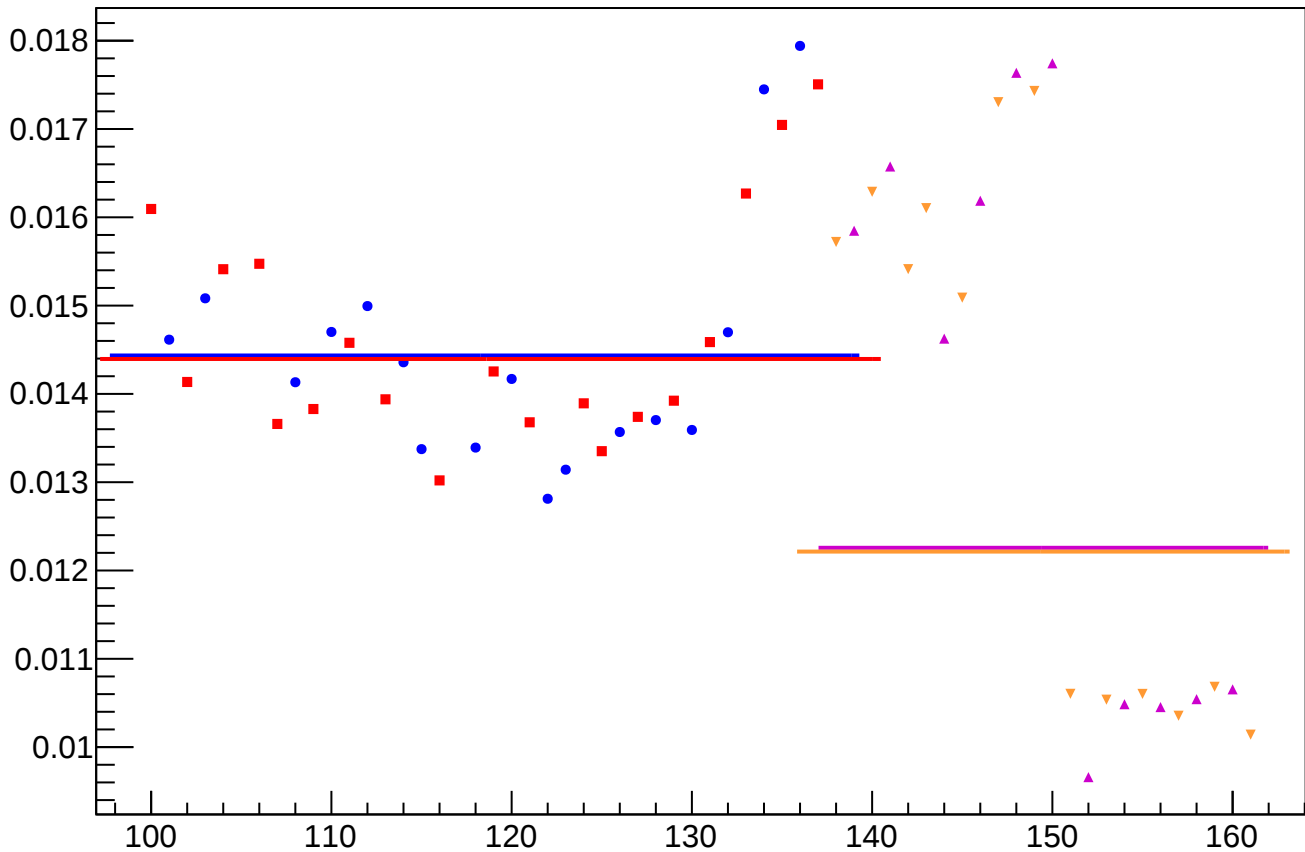
Right Out: 0.430+/-0.000 χ^2/NDF : 6676199135.9/18

Left In: 0.955+/-0.000 χ^2/NDF : 30565663101.3/10

0.777+/-0.000 χ^2/NDF : 41600337061.2/29

0.758+/-0.000 χ^2/NDF : 43004573474.4/29

yield_bpm1i06X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 110224.4/16

Left Out: 0.012+/-0.000 χ^2/NDF : 873400.3/12

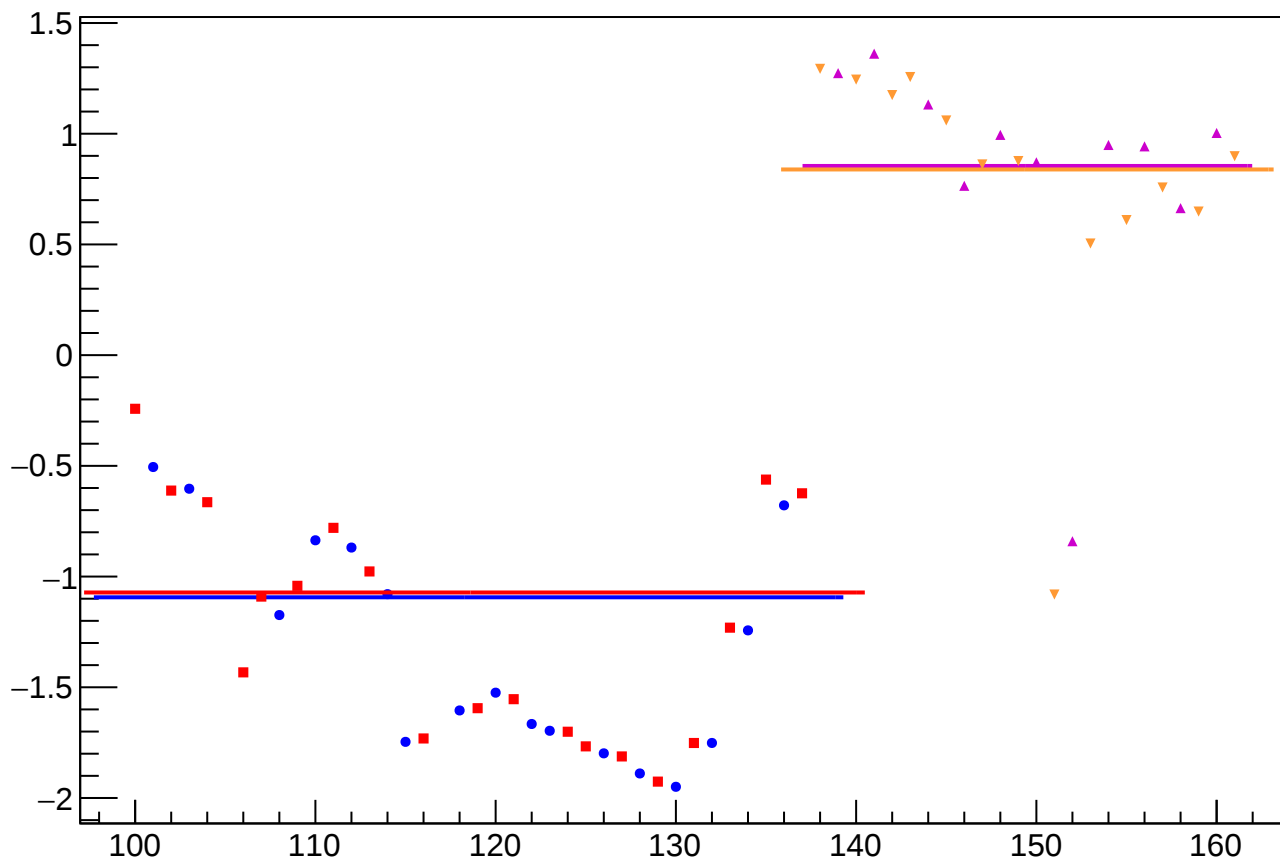
Right Out: 0.014+/-0.000 χ^2/NDF : 74531.6/18

Left In: 0.012+/-0.000 χ^2/NDF : 923057.6/10

0.013+/-0.000 χ^2/NDF : 1190277.5/29

0.013+/-0.000 χ^2/NDF : 1189006.3/29

yield_bpm1i06Y_mean vs Slug



Right In: -1.094 ± 0.000 χ^2/NDF : 55960104370.4/16

Left Out: 0.839 ± 0.000 χ^2/NDF : 123286653448.2/12

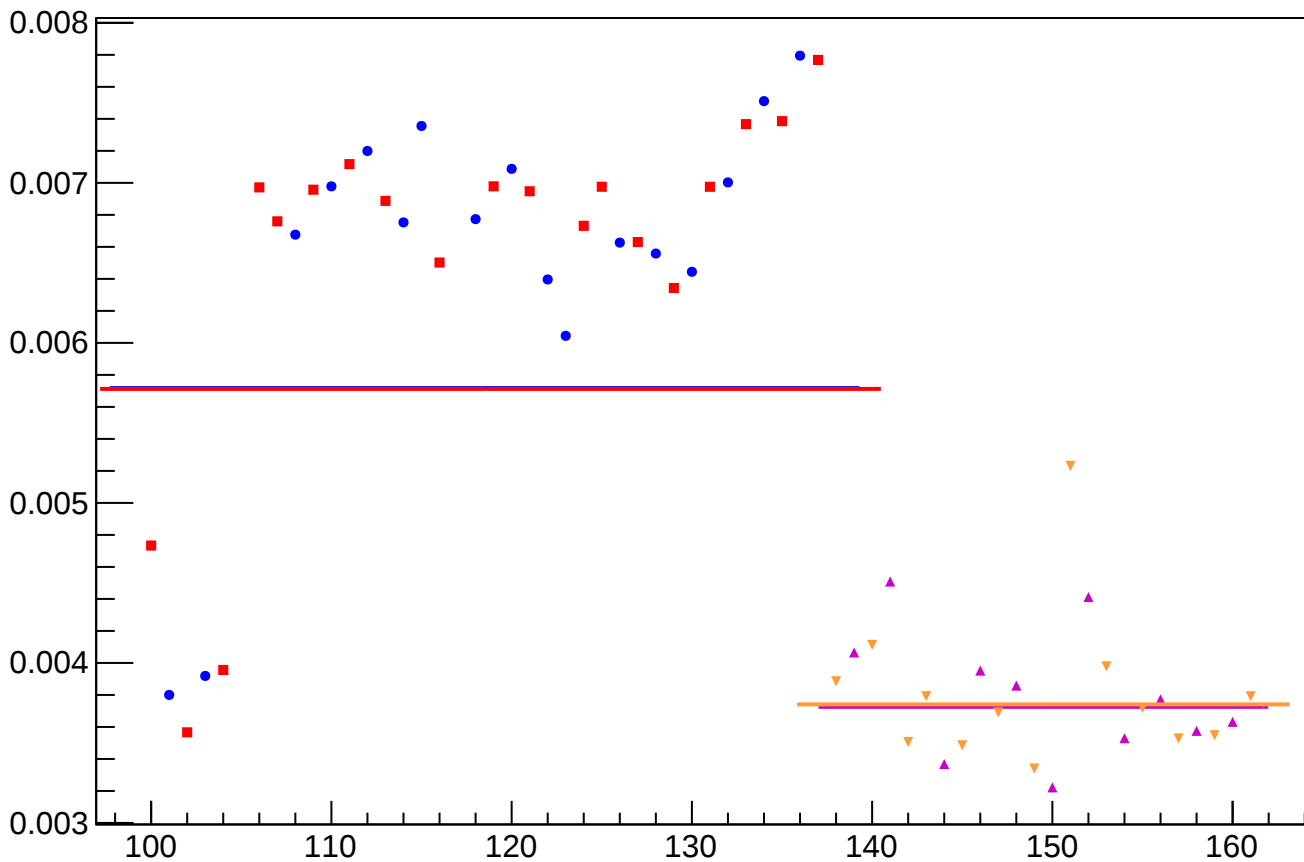
Right Out: -1.072 ± 0.000 χ^2/NDF : 46896017480.0/18

Left In: 0.854 ± 0.000 χ^2/NDF : 142299438724.6/10

0.400 ± 0.000 χ^2/NDF : 703463741315.1/29

0.376 ± 0.000 χ^2/NDF : 715780391543.5/29

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 :158434.2/12

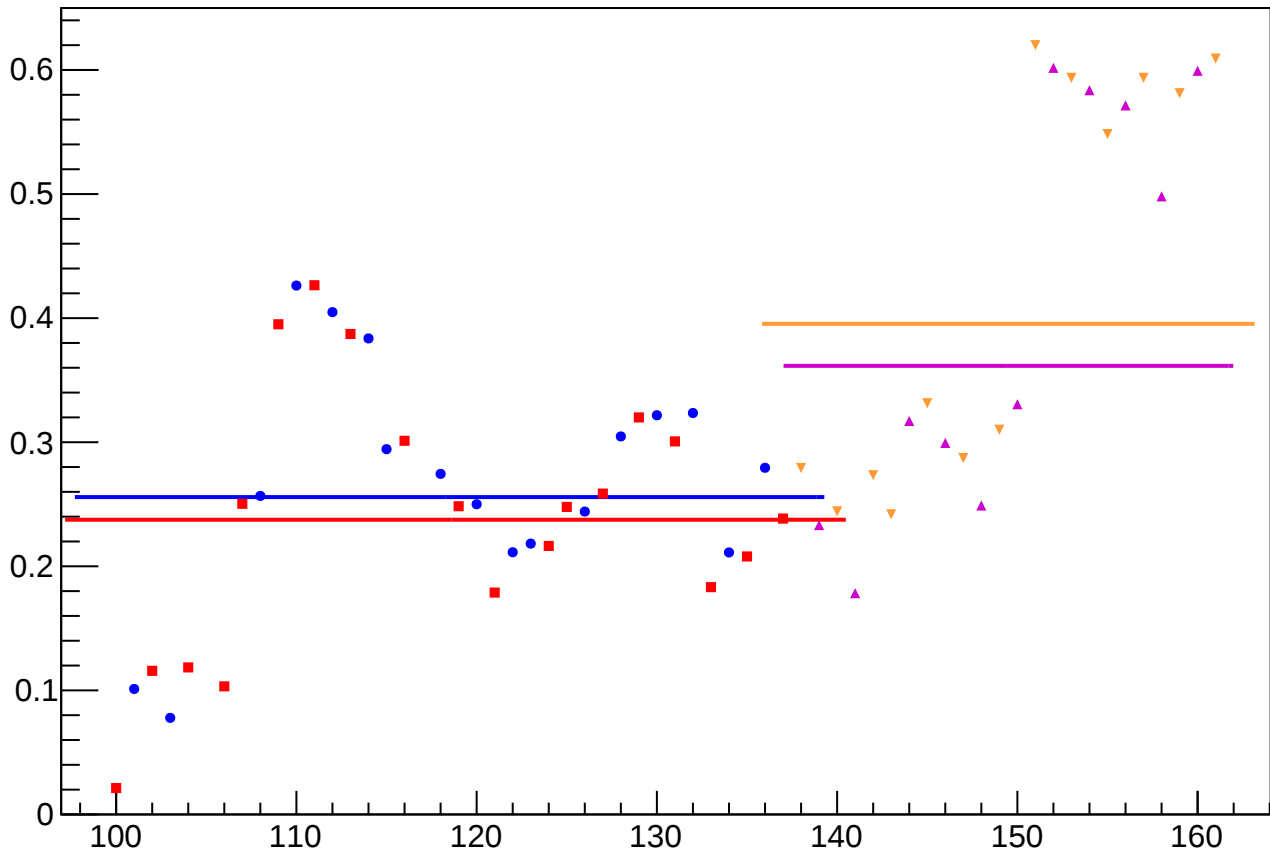
Right Out: 0.006+/-0.000 χ^2/NDF : 923899.1/18

Left In: 0.004+/-0.000 χ^2/NDF :162839.2/10

0.004+/-0.000 χ^2/NDF : 2093283.1/29

0.004+/-0.000 χ^2/NDF : 2207119.3/29

yield_bpm2i01X_mean vs Slug



Right In: 0.256 ± 0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.395 ± 0.000 χ^2/NDF : 64743846021.3/12

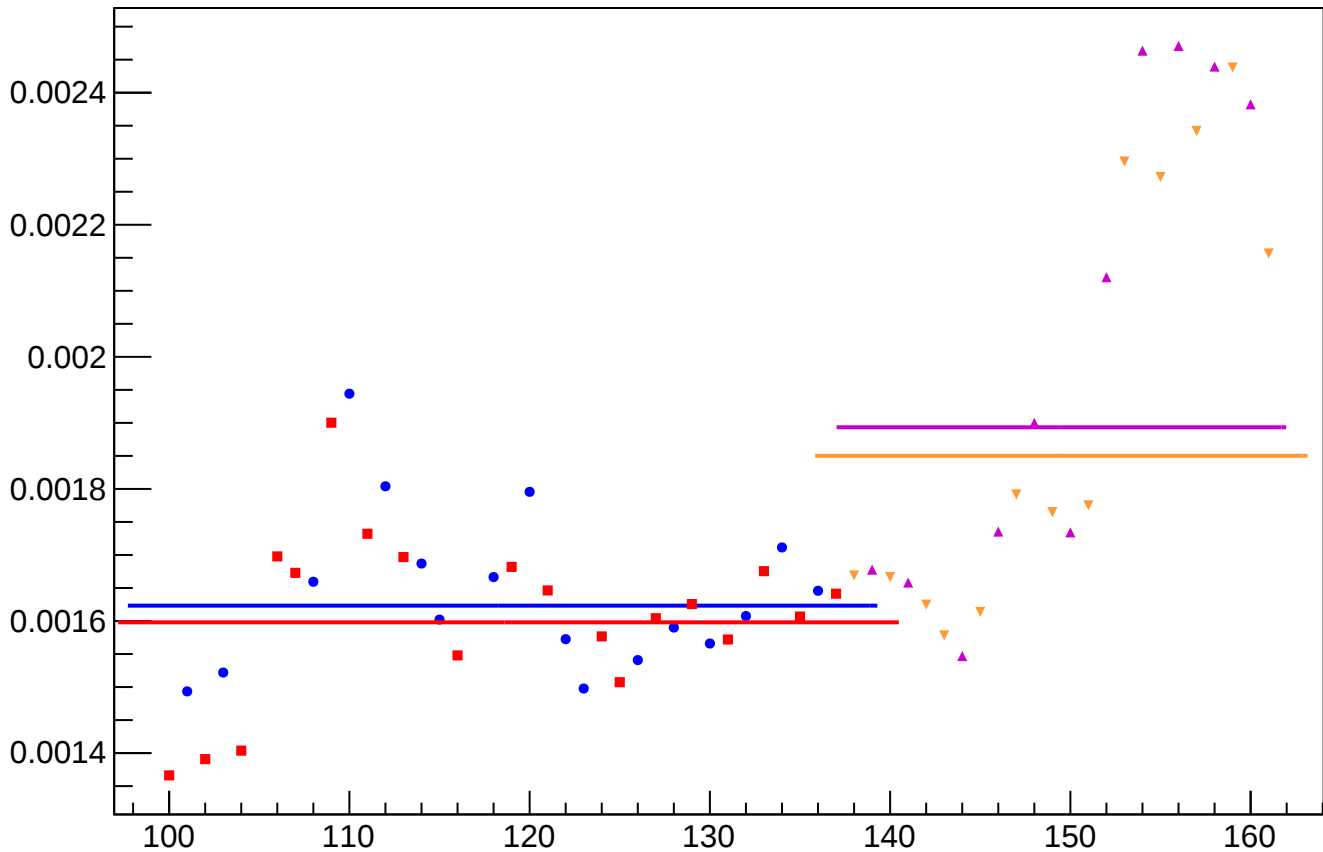
Right Out: 0.238 ± 0.000 χ^2/NDF : 26057284646.9/18

Left In: 0.362 ± 0.000 χ^2/NDF : 51708094342.5/10

0.330 ± 0.000 χ^2/NDF : 111380715290.0/29

0.295 ± 0.000 χ^2/NDF : 97233672277.6/29

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 : 440924.6/12

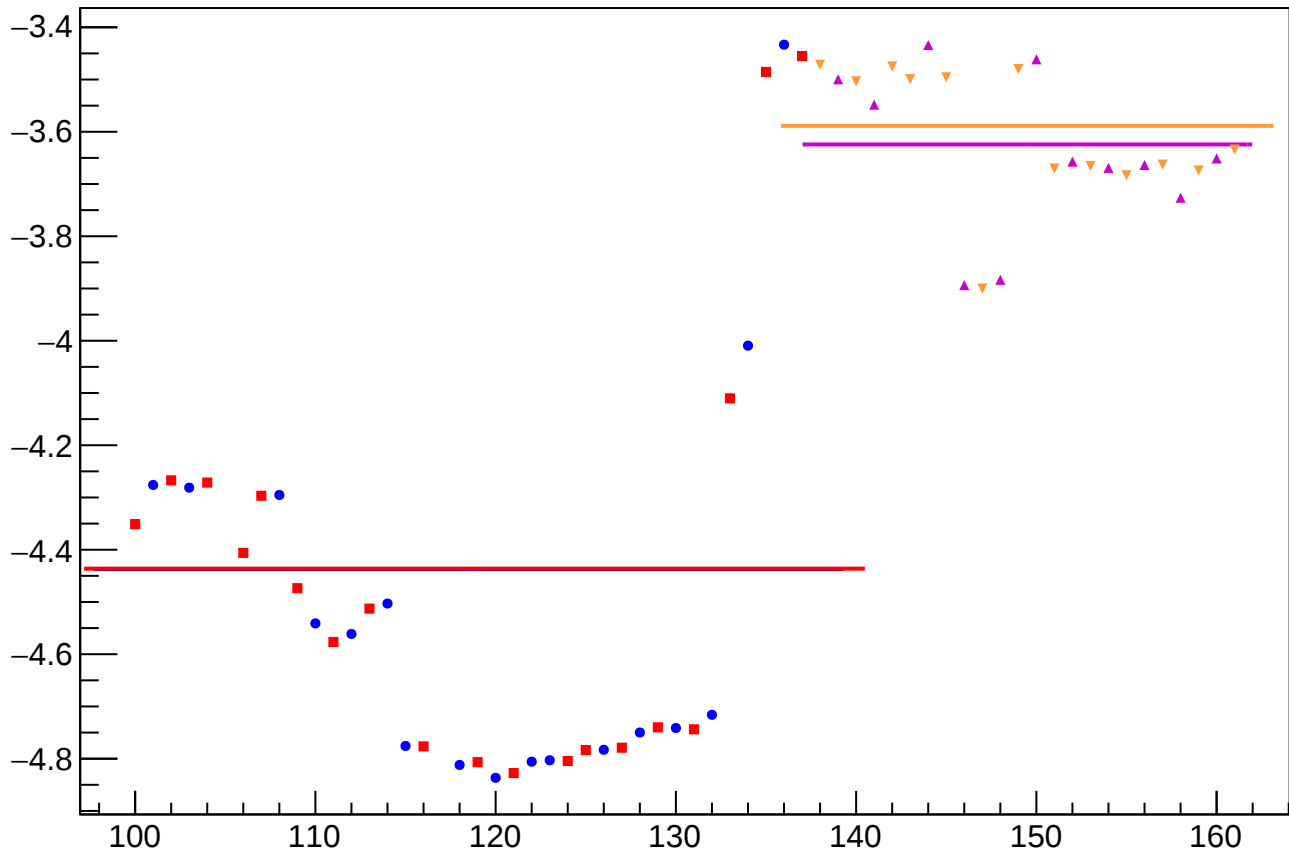
Right Out: 0.002+/-0.000 χ^2/NDF : 90678.4/18

Left In: 0.002+/-0.000 χ^2/NDF : 507046.2/10

0.002+/-0.000 χ^2/NDF : 626816.3/29

0.002+/-0.000 χ^2/NDF : 818593.7/29

yield_bpm2i01Y_mean vs Slug



Right In: -4.437+/-0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.589+/-0.000 χ^2/NDF : 29821543299.6/12

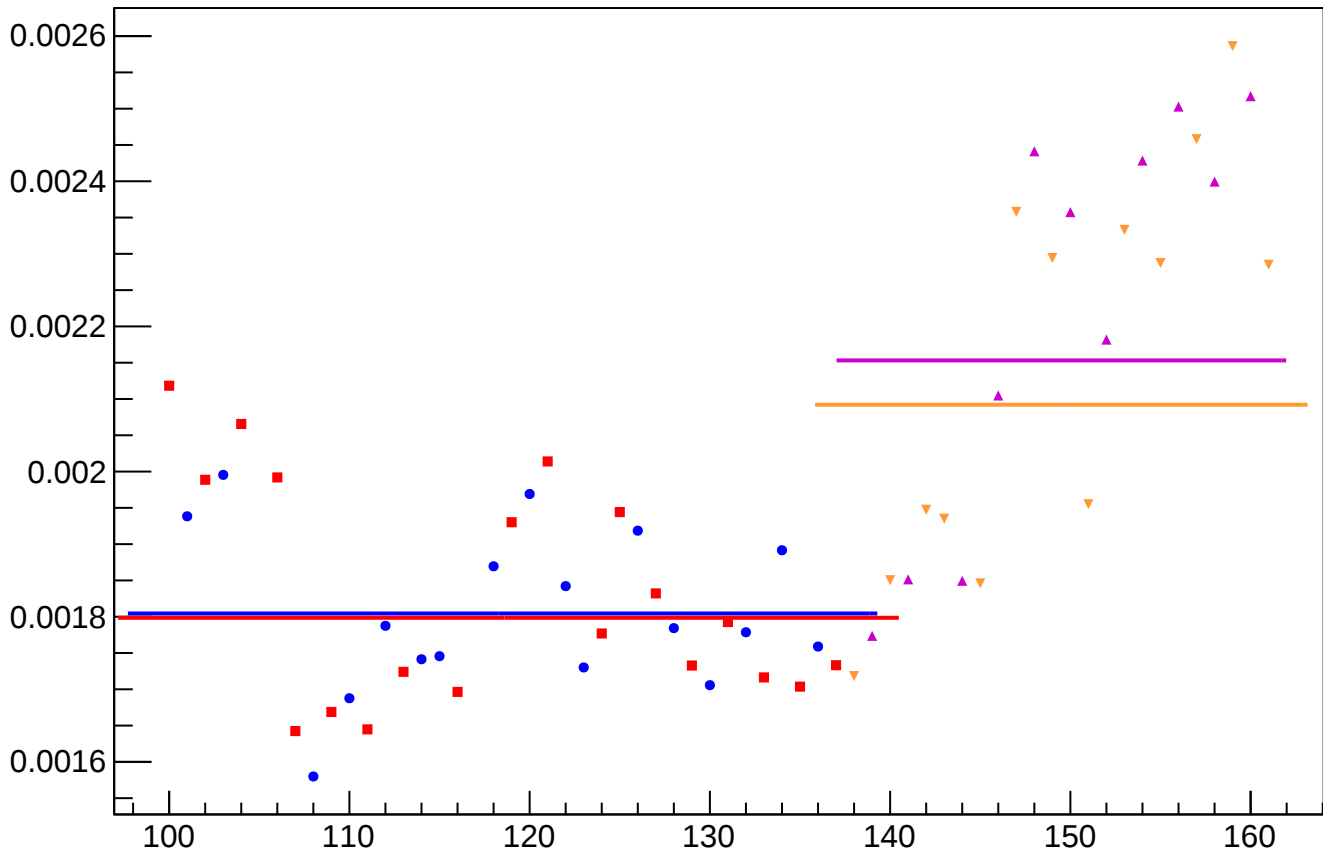
-3.999+/-0.000 χ^2/NDF : 1165743834622.9/29

Right Out: -4.436+/-0.000 χ^2/NDF : 325183860699.4/18

-4.058+/-0.000 χ^2/NDF : 1019096029799.6/29

Left In: -3.624+/-0.000 χ^2/NDF : 41379805294.7/10

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 49103.2/16

Left Out: 0.002+/-0.000 χ^2/NDF :302710.1/12

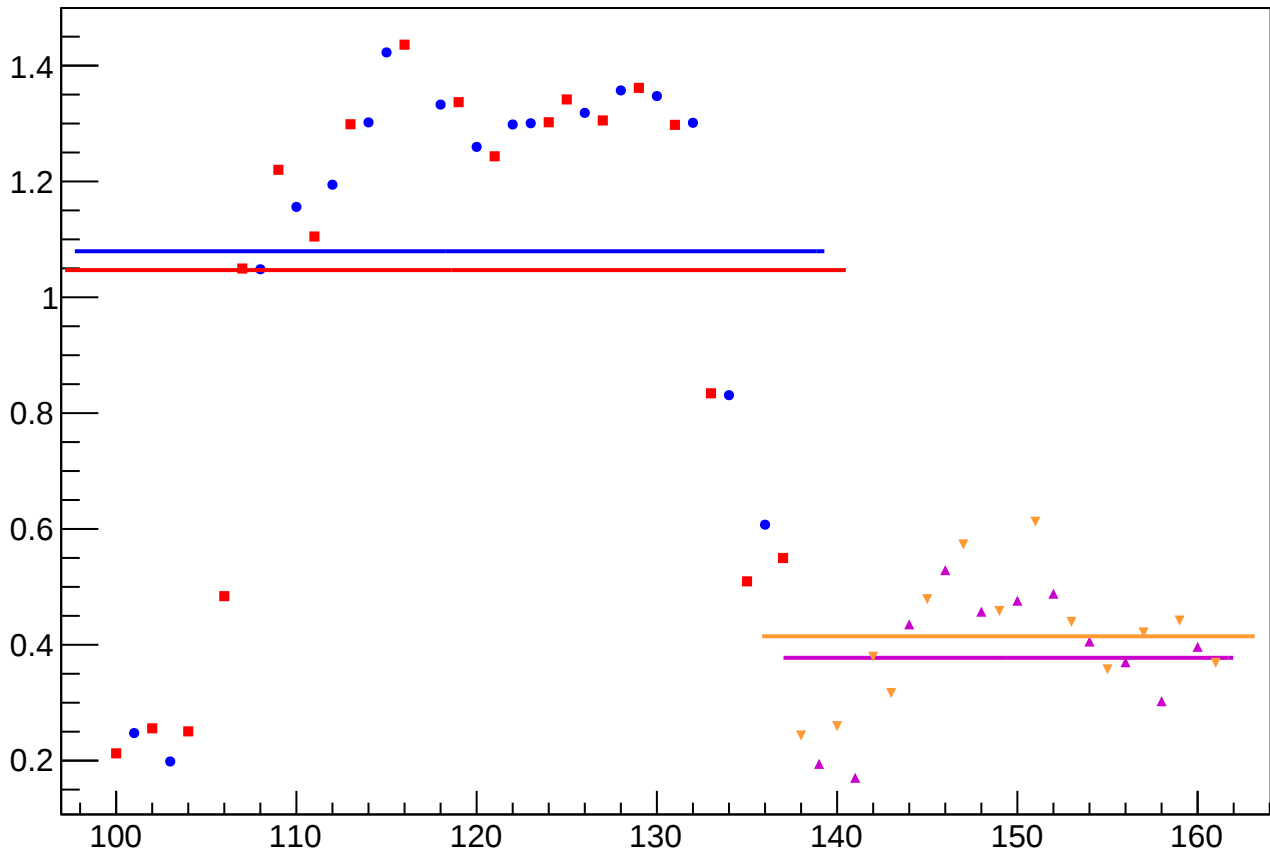
Right Out: 0.002+/-0.000 χ^2/NDF : 81021.0/18

Left In: 0.002+/-0.000 χ^2/NDF :287072.0/10

0.002+/-0.000 χ^2/NDF : 522714.5/29

0.002+/-0.000 χ^2/NDF : 617094.9/29

yield_bpm2i02X_mean vs Slug



Right In: 1.080 $\pm$ 0.000 χ^2 /NDF: 17533321220.5/16

Left Out: 0.415 $\pm$ 0.000 χ^2 /NDF:1190820918.5/12

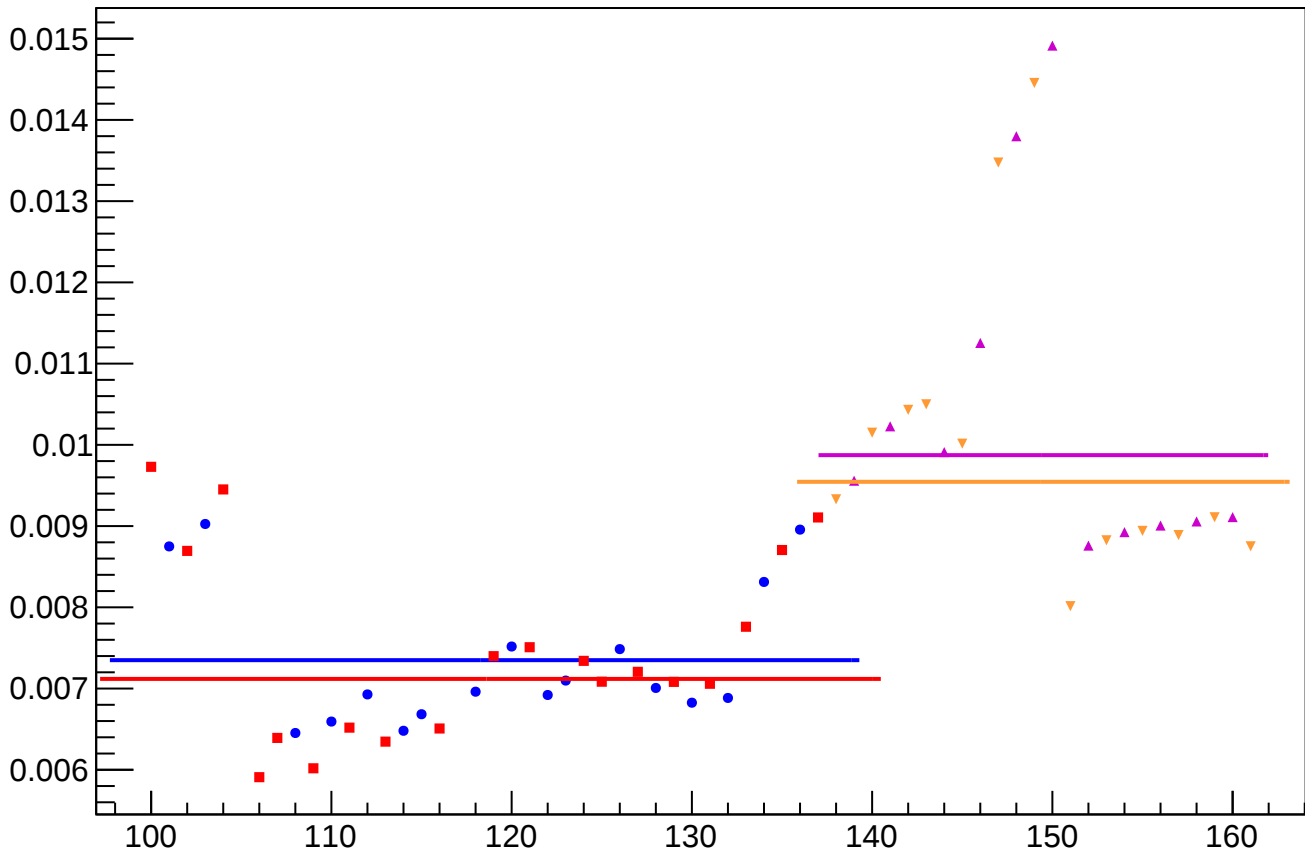
0.774 $\pm$ 0.000 χ^2 /NDF: 43574409060.5/29

Right Out: 1.047 $\pm$ 0.000 χ^2 /NDF: 19683192379.0/18

0.784 $\pm$ 0.000 χ^2 /NDF: 44927808362.8/29

Left In: 0.378 $\pm$ 0.000 χ^2 /NDF:1033036920.2/10

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 180818.7/16

Left Out: 0.010+/-0.000 χ^2/NDF : 444356.9/12

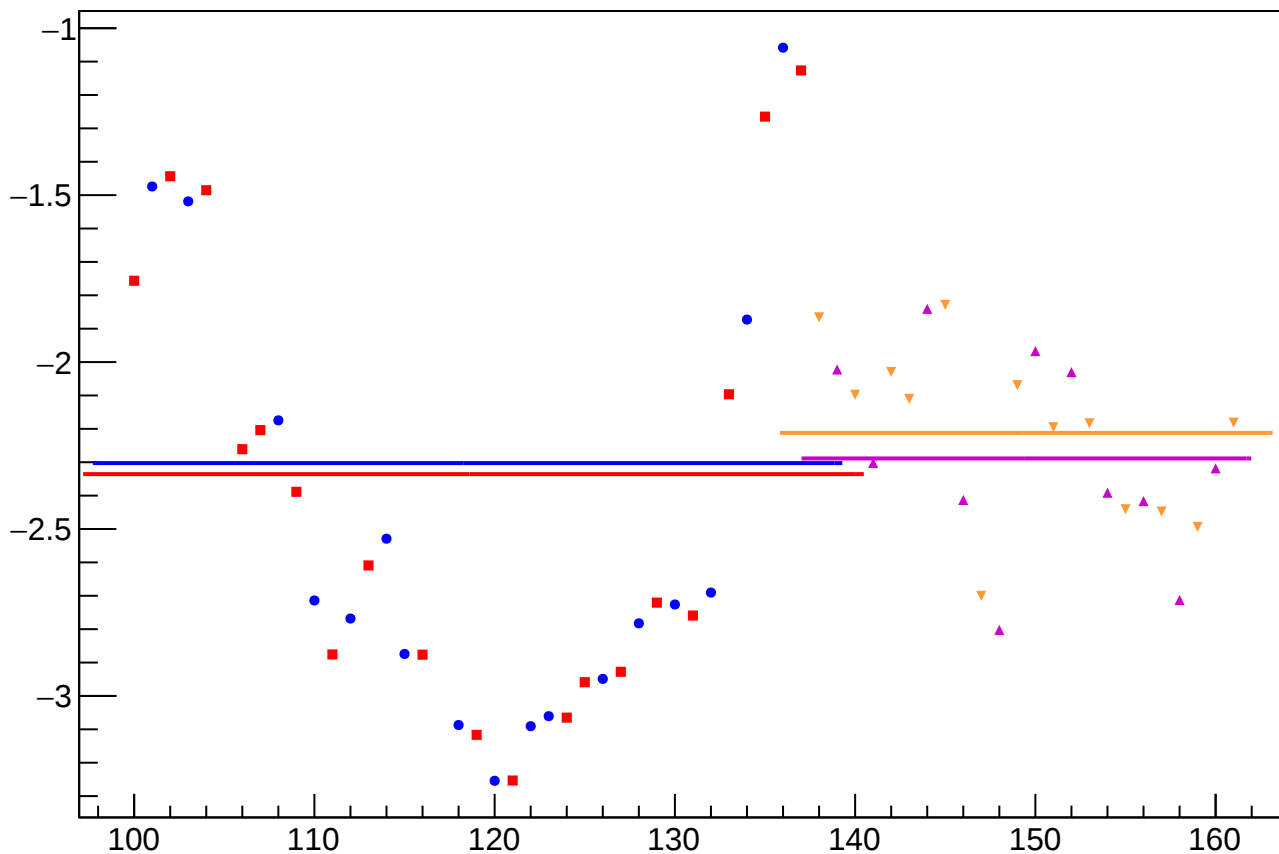
Right Out: 0.007+/-0.000 χ^2/NDF : 259112.0/18

Left In: 0.010+/-0.000 χ^2/NDF : 438424.6/10

0.008+/-0.000 χ^2/NDF : 1167304.4/29

0.008+/-0.000 χ^2/NDF : 1517470.4/29

yield_bpm2i02Y_mean vs Slug



Right In: -2.303+/-0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.212+/-0.000 χ^2/NDF : 6842222777.2/12

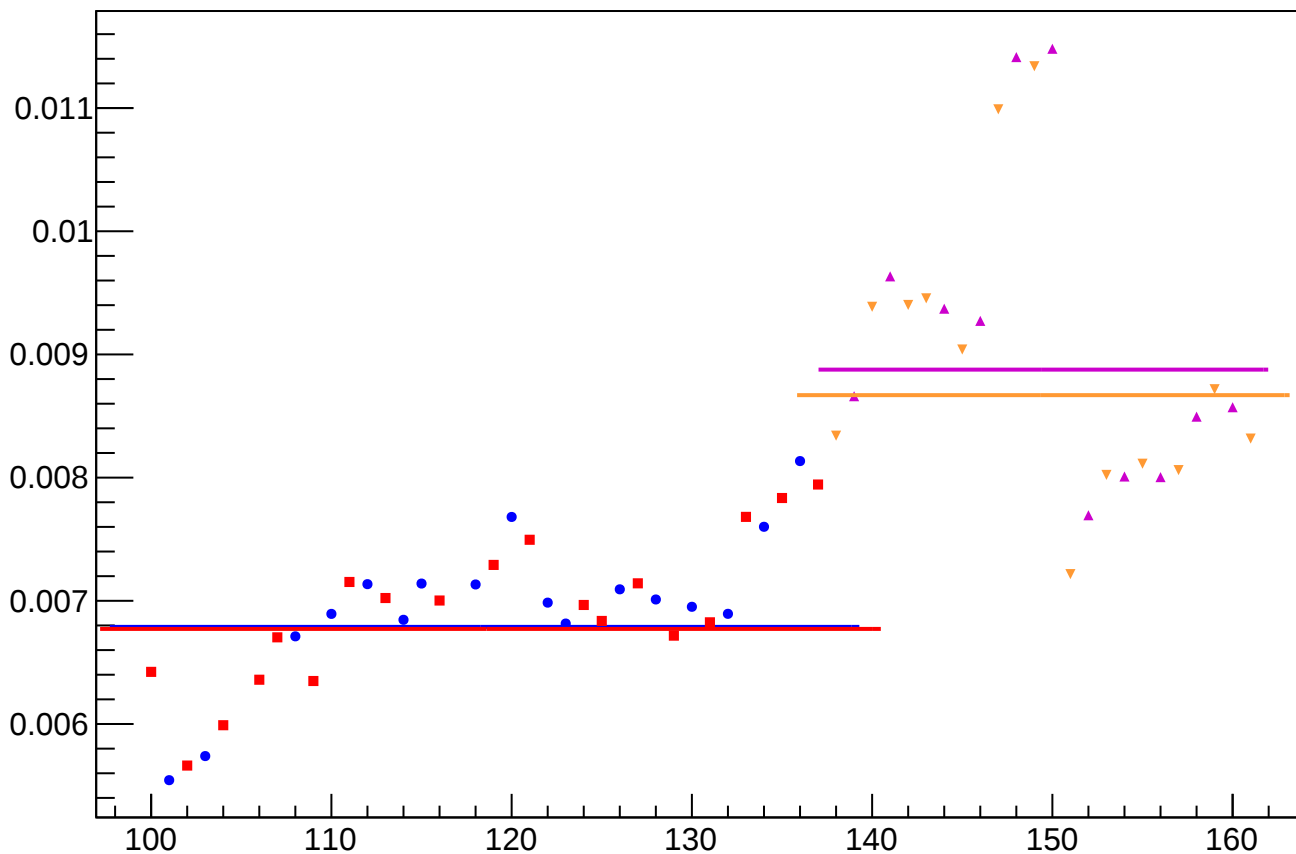
-2.260+/-0.000 χ^2/NDF : 81151382340.6/29

Right Out: -2.336+/-0.000 χ^2/NDF : 64499162456.4/18

-2.316+/-0.000 χ^2/NDF : 73016443941.5/29

Left In: -2.289+/-0.000 χ^2/NDF : 8374717982.3/10

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 165199.2/16

Left Out: 0.009+/-0.000 χ^2/NDF : 280726.5/12

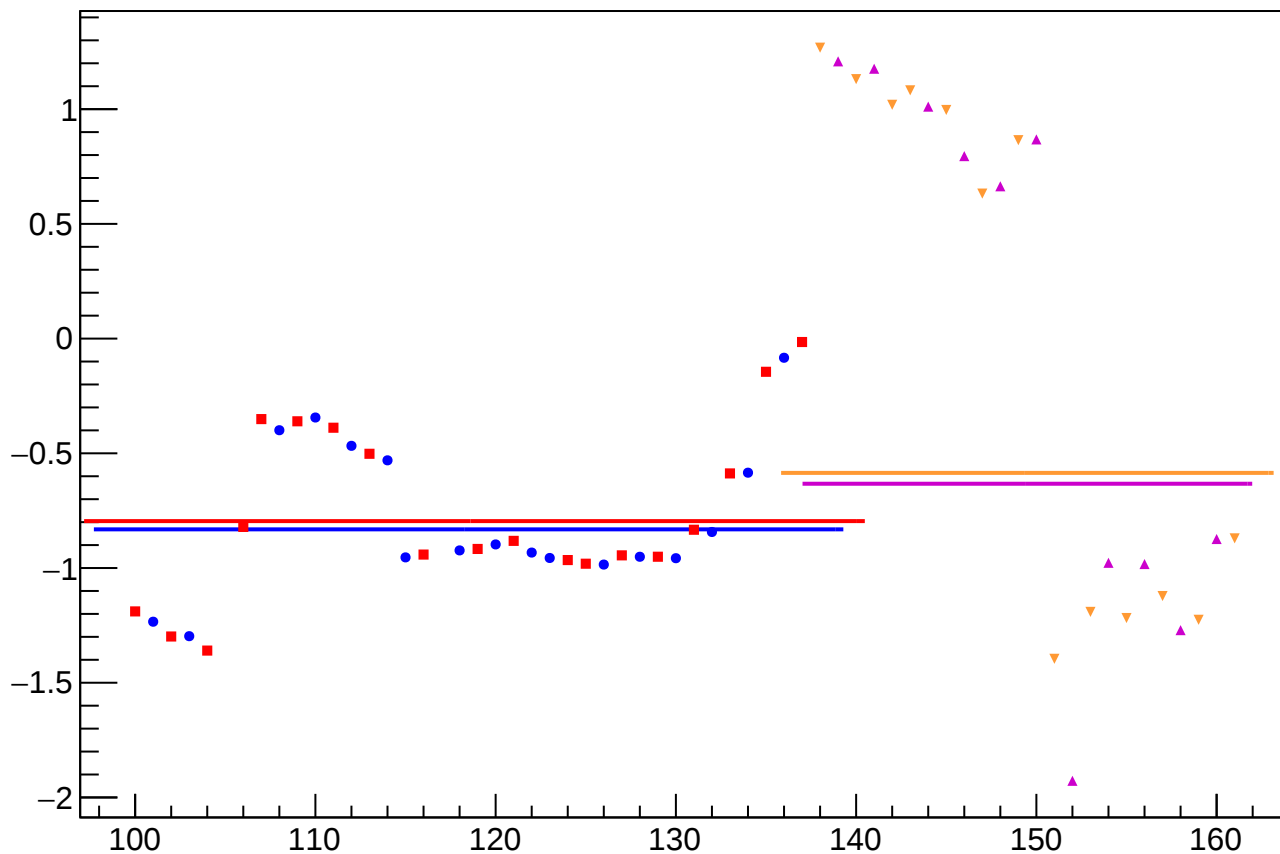
Right Out: 0.007+/-0.000 χ^2/NDF : 123244.0/18

Left In: 0.009+/-0.000 χ^2/NDF : 269659.2/10

0.008+/-0.000 χ^2/NDF : 924863.1/29

0.008+/-0.000 χ^2/NDF : 965764.5/29

yield_bpm0i01X_mean vs Slug



Right In: -0.831+/-0.000 χ^2/NDF : 6692170860.9/16

Left Out: -0.585+/-0.000 χ^2/NDF : 108970830879.5/12

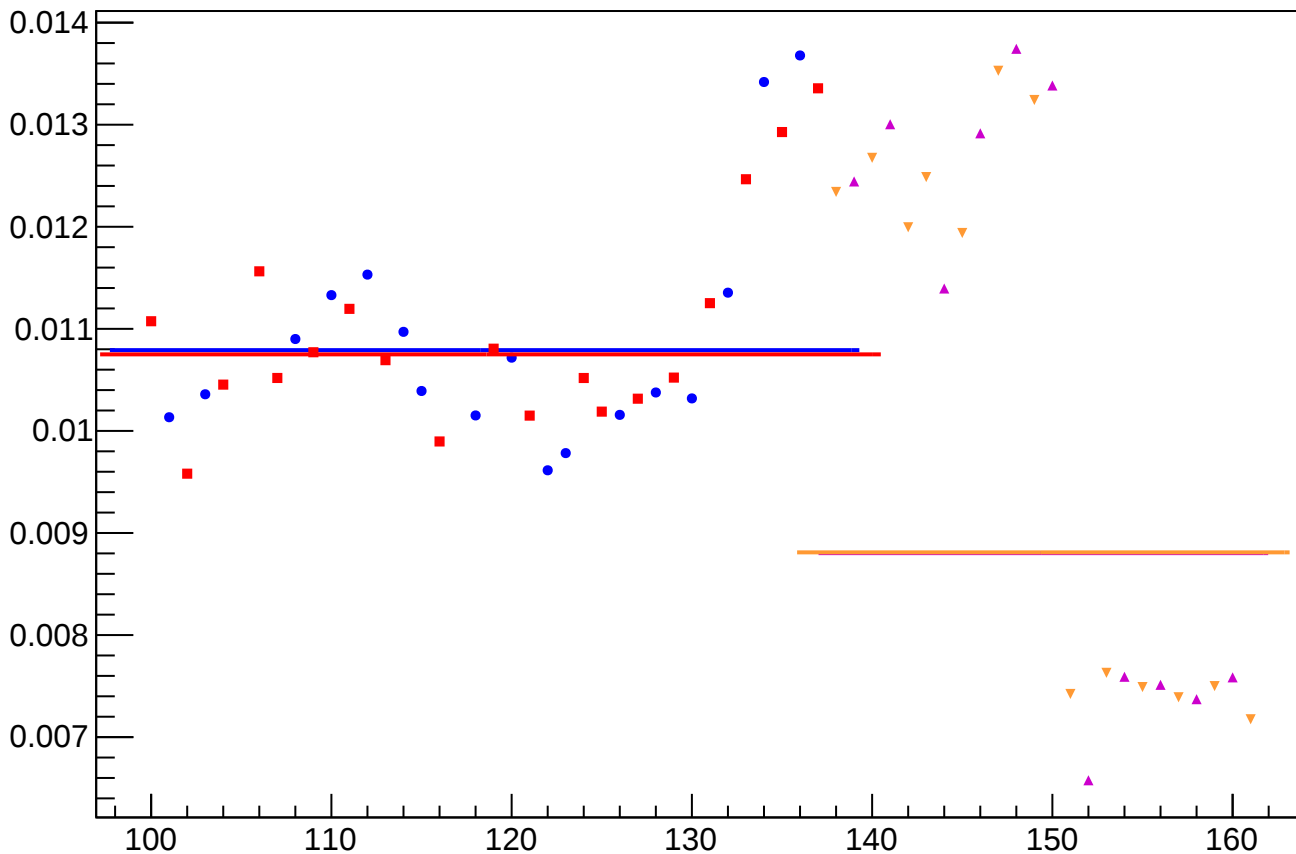
Right Out: -0.796+/-0.000 χ^2/NDF : 7821744046.6/18

Left In: -0.633+/-0.000 χ^2/NDF : 117008212760.1/10

-0.666+/-0.000 χ^2/NDF : 117955083464.6/29

-0.692+/-0.000 χ^2/NDF : 125837442263.0/29

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 :1223707.2/12

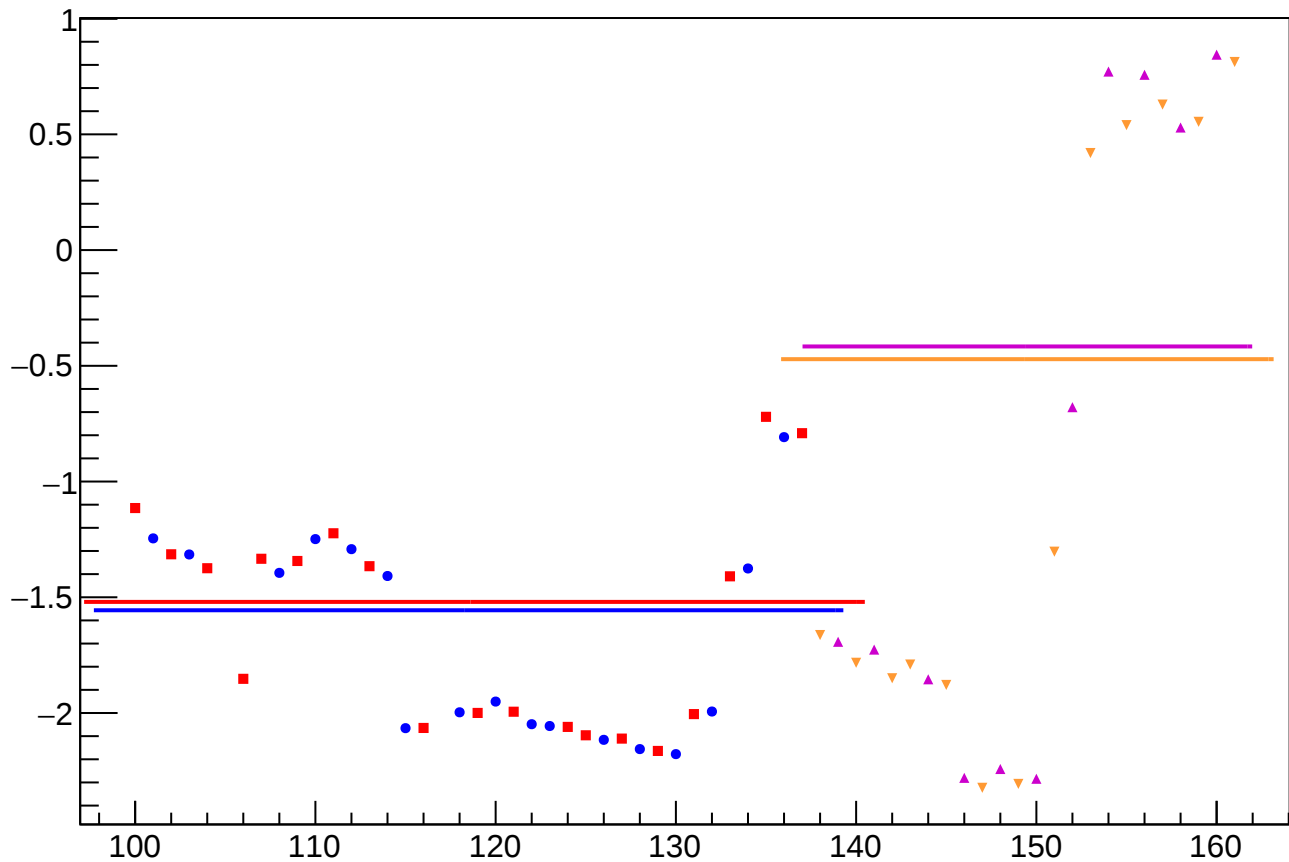
Right Out: 0.011+/-0.000 χ^2/NDF : 90220.8/18

Left In: 0.009+/-0.000 χ^2/NDF :1306353.6/10

0.009+/-0.000 χ^2/NDF : 1646520.0/29

0.010+/-0.000 χ^2/NDF : 1684630.4/29

yield_bpm0i01Y_mean vs Slug



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: -0.471+/-0.000 χ^2/NDF : 1554873331983.0/12

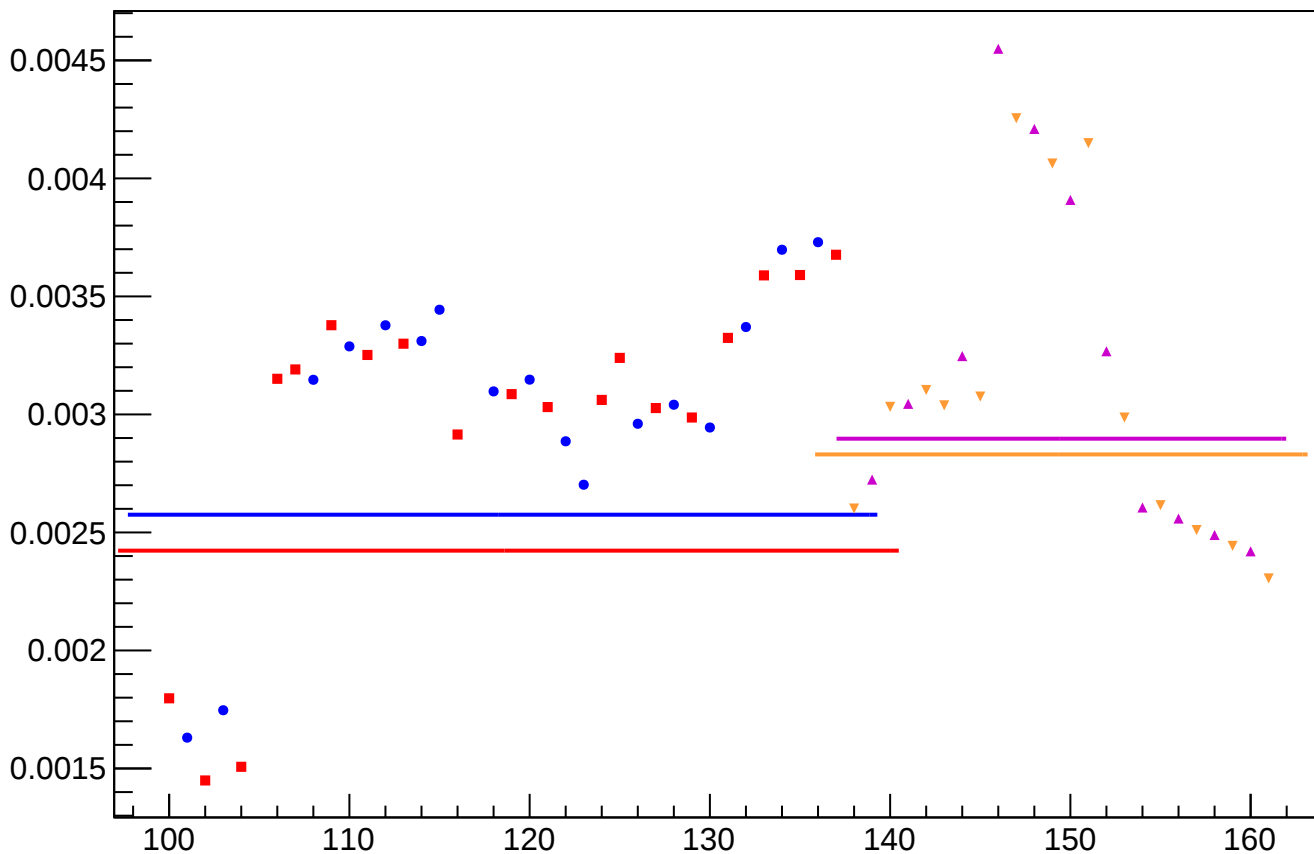
-0.960+/-0.000 χ^2/NDF : 2261608421905.9/29

Right Out: -1.520+/-0.000 χ^2/NDF : 138464991806.4/18

-0.986+/-0.000 χ^2/NDF : 2146558691653.9/29

Left In: -0.416+/-0.000 χ^2/NDF : 1439346137382.5/10

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1013833.9/16

Left Out: 0.003+/-0.000 χ^2/NDF :554302.4/12

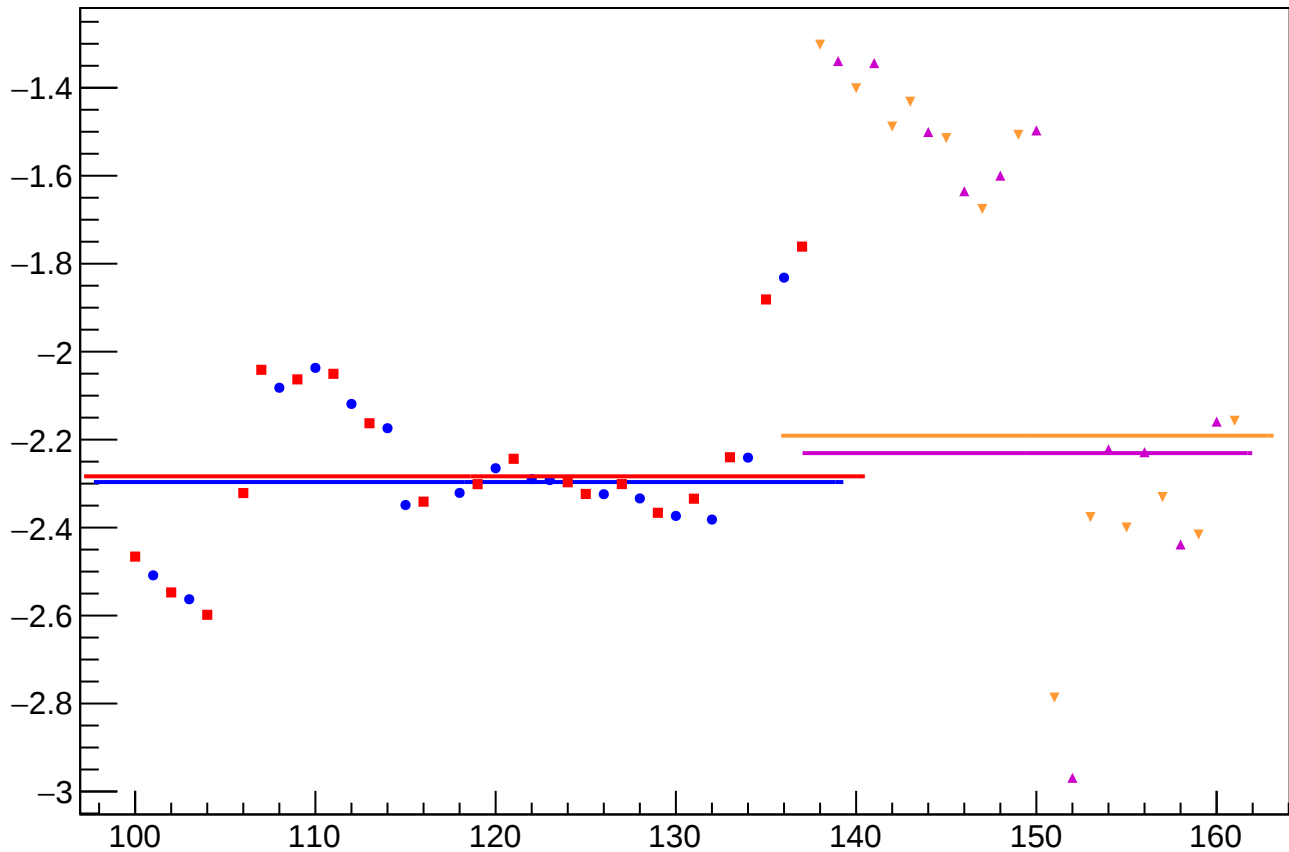
Right Out: 0.002+/-0.000 χ^2/NDF : 1490134.1/18

Left In: 0.003+/-0.000 χ^2/NDF :541155.3/10

0.003+/-0.000 χ^2/NDF : 1629291.5/29

0.003+/-0.000 χ^2/NDF : 2241407.2/29

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -2.191+/-0.000 χ^2/NDF : 50948193180.3/12

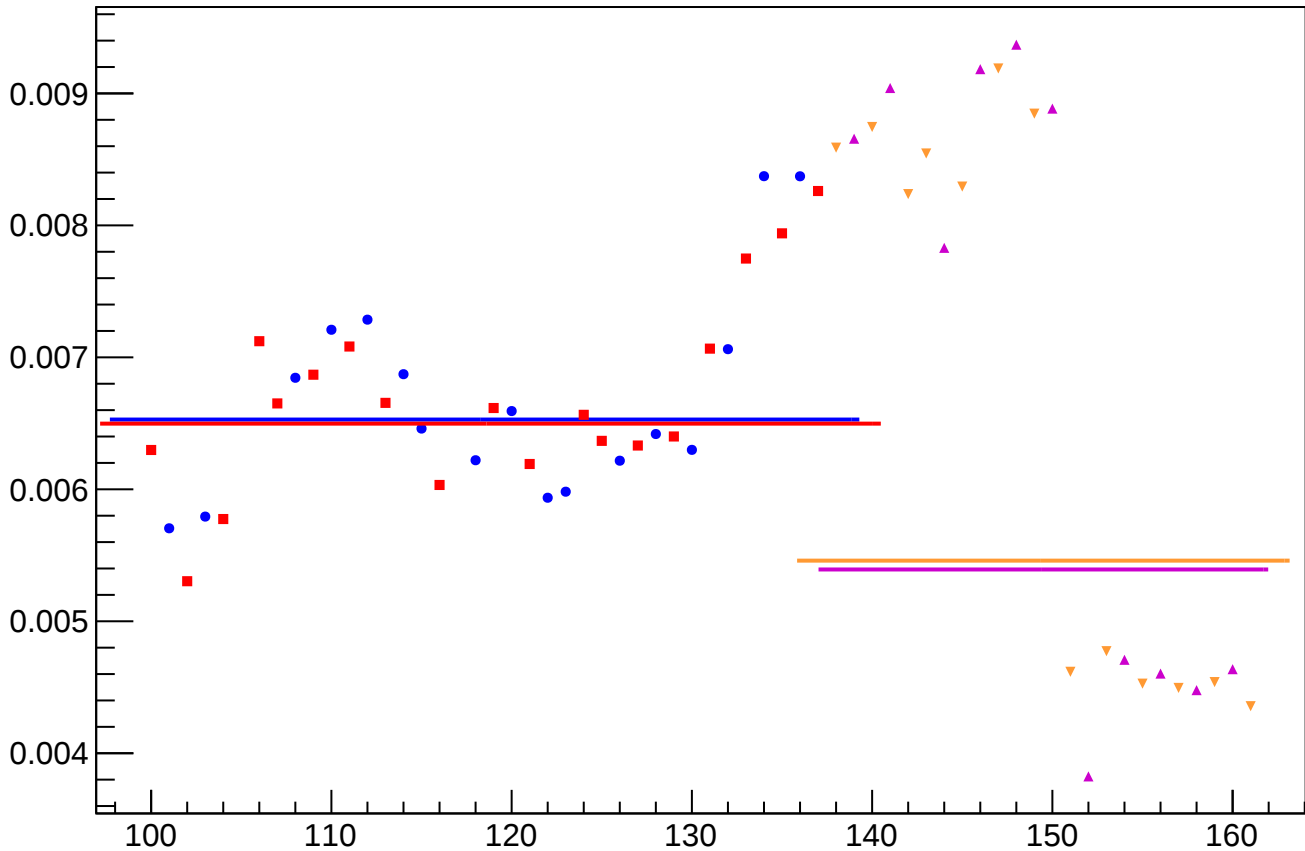
Right Out: -2.283+/-0.000 χ^2/NDF : 6548716896.9/18

Left In: -2.231+/-0.000 χ^2/NDF : 65718970044.9/10

-2.228+/-0.000 χ^2/NDF : 57832773688.5/29

-2.251+/-0.000 χ^2/NDF : 72545776171.7/29

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 176467.7/16

Left Out: 0.005+/-0.000 χ^2/NDF :1684788.3/12

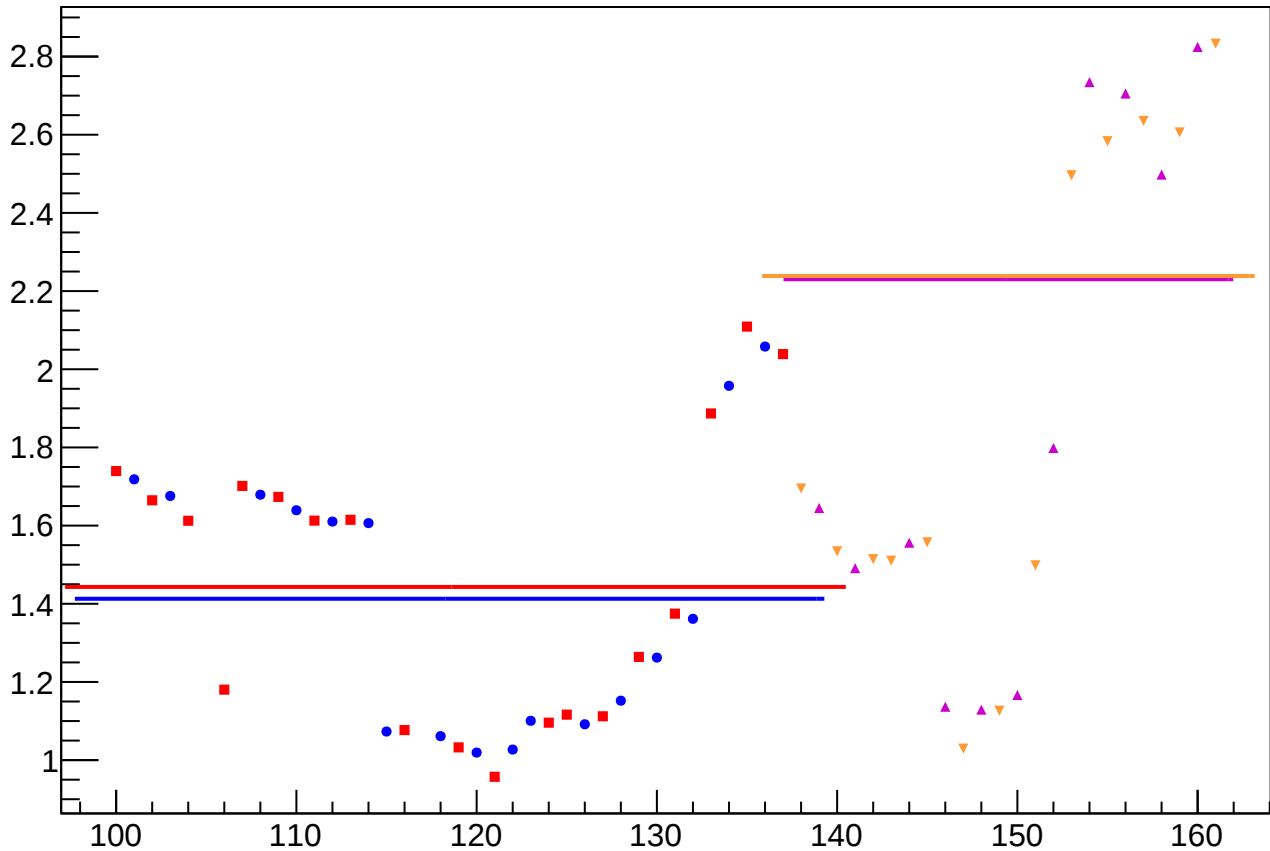
Right Out: 0.006+/-0.000 χ^2/NDF : 164144.2/18

Left In: 0.005+/-0.000 χ^2/NDF :1845345.5/10

0.006+/-0.000 χ^2/NDF : 2087761.4/29

0.006+/-0.000 χ^2/NDF : 2253350.7/29

yield_bpm0i01aY_mean vs Slug



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 2.239+/-0.000 χ^2/NDF : 174124283011.9/12

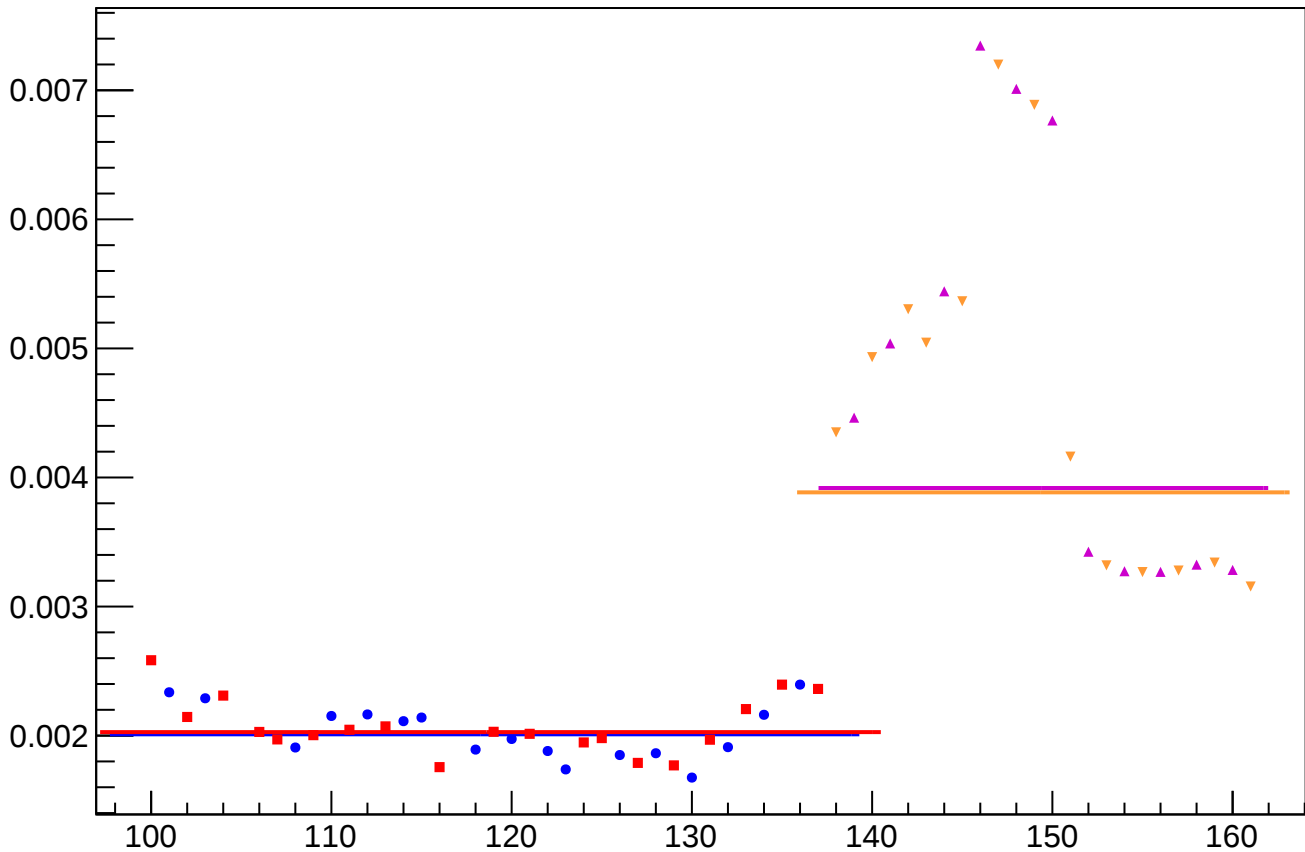
1.634+/-0.000 χ^2/NDF : 625223404719.8/29

Right Out: 1.443+/-0.000 χ^2/NDF : 173290449342.2/18

1.630+/-0.000 χ^2/NDF : 572648505987.0/29

Left In: 2.230+/-0.000 χ^2/NDF : 166737339645.4/10

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 152530.4/16

Left Out: 0.004+/-0.000 χ^2/NDF :1091239.1/12

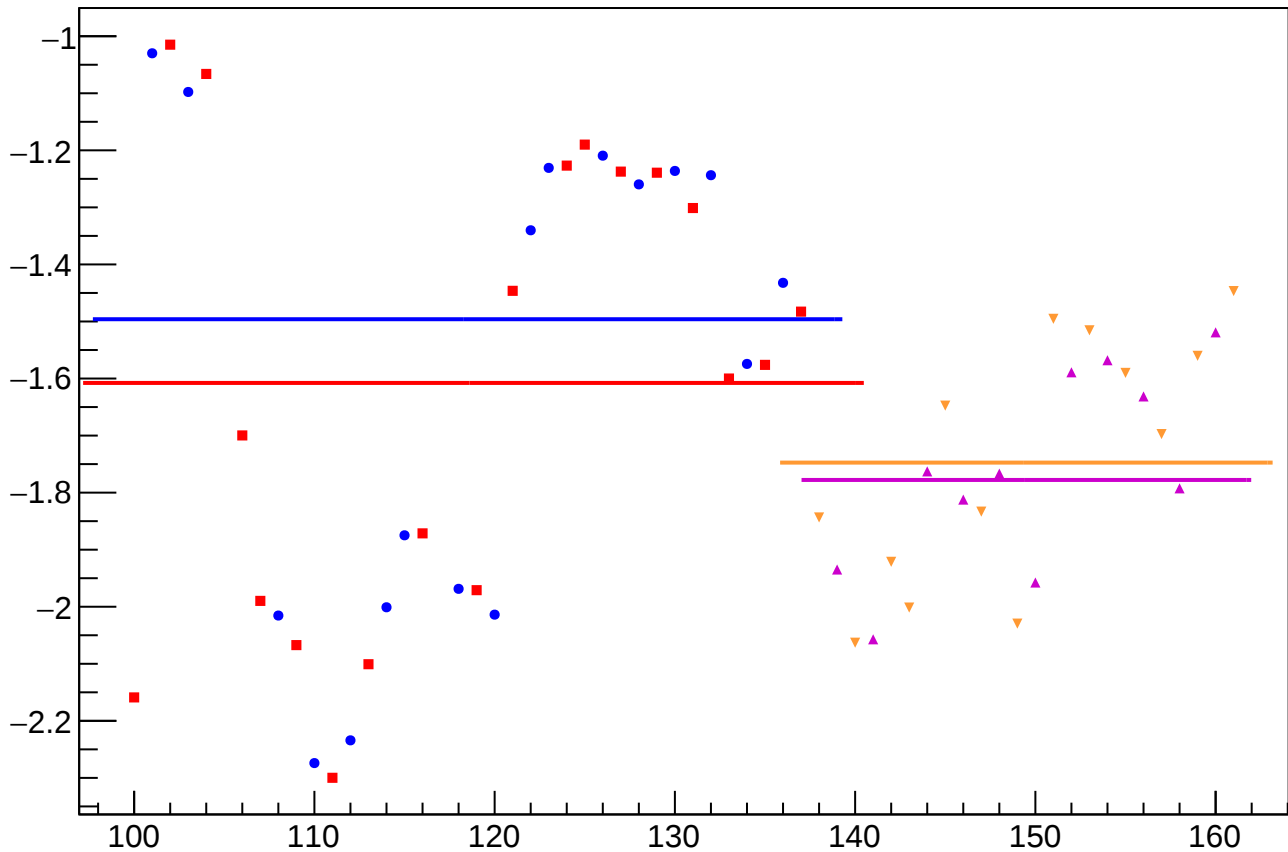
Right Out: 0.002+/-0.000 χ^2/NDF : 103926.2/18

Left In: 0.004+/-0.000 χ^2/NDF :1244503.2/10

0.003+/-0.000 χ^2/NDF : 4114971.7/29

0.002+/-0.000 χ^2/NDF : 4034371.2/29

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.747+/-0.000 χ^2/NDF : 11421240307.9/12

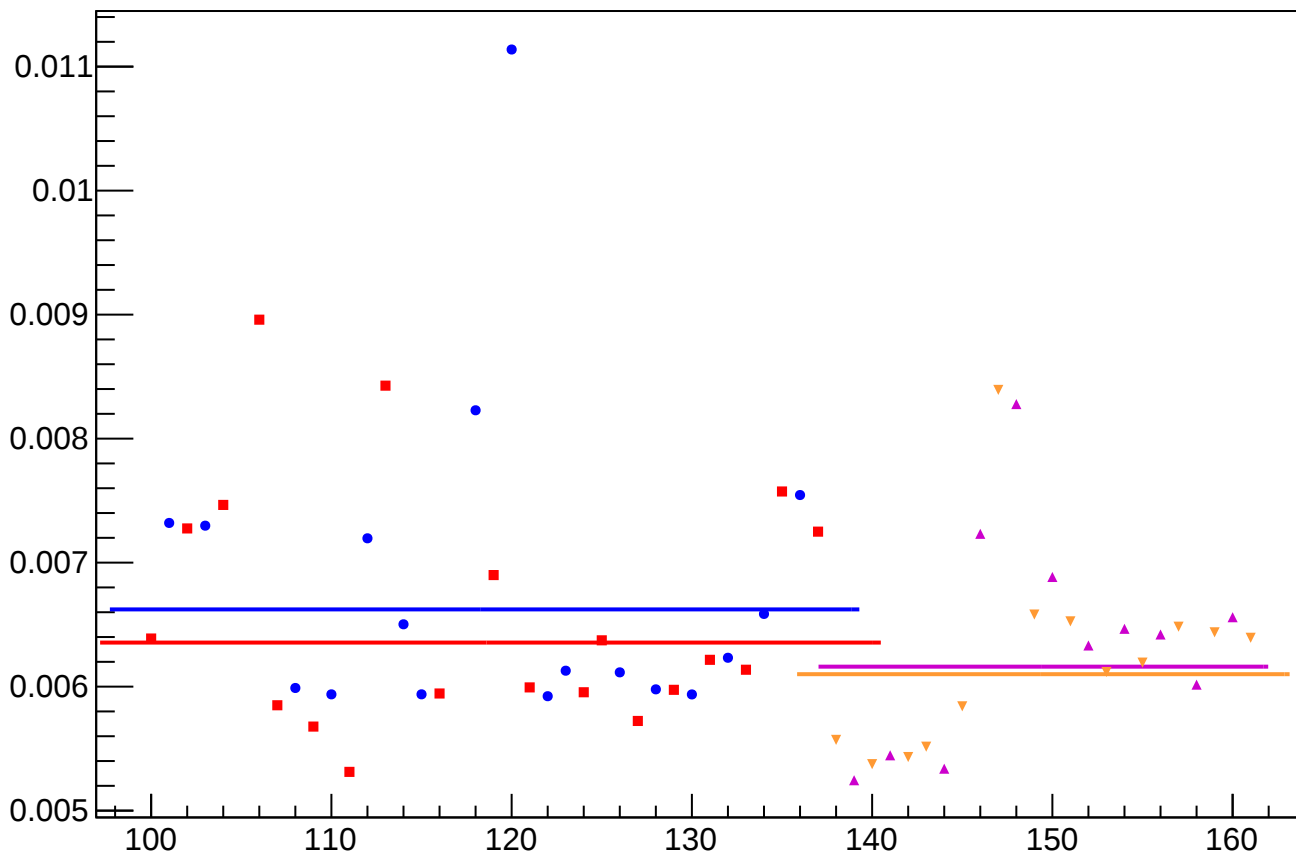
-1.657+/-0.000 χ^2/NDF : 39546079498.6/29

Right Out: -1.608+/-0.000 χ^2/NDF : 27836461057.4/18

-1.705+/-0.000 χ^2/NDF : 36944117508.5/29

Left In: -1.778+/-0.000 χ^2/NDF : 6414091747.2/10

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 232630.4/16

Left Out: 0.006+/-0.000 χ^2/NDF : 202172.4/12

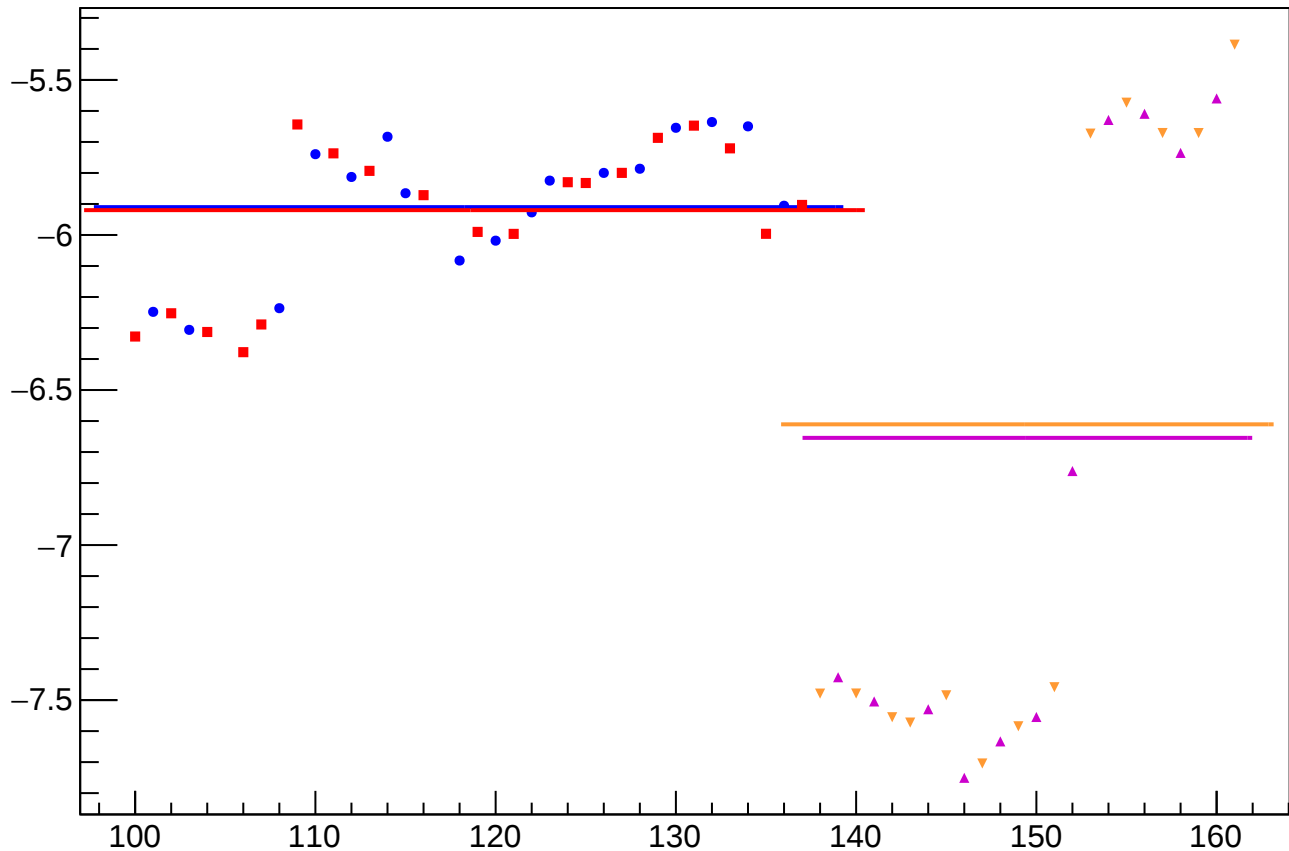
Right Out: 0.006+/-0.000 χ^2/NDF : 227861.1/18

Left In: 0.006+/-0.000 χ^2/NDF : 263153.7/10

0.006+/-0.000 χ^2/NDF : 483202.5/29

0.006+/-0.000 χ^2/NDF : 498040.5/29

yield_bpm0l01Y_mean vs Slug



Right In: -5.910+/-0.000 χ^2/NDF : 11154434512.7/16

Left Out: -6.611+/-0.000 χ^2/NDF : 123266554713.9/12

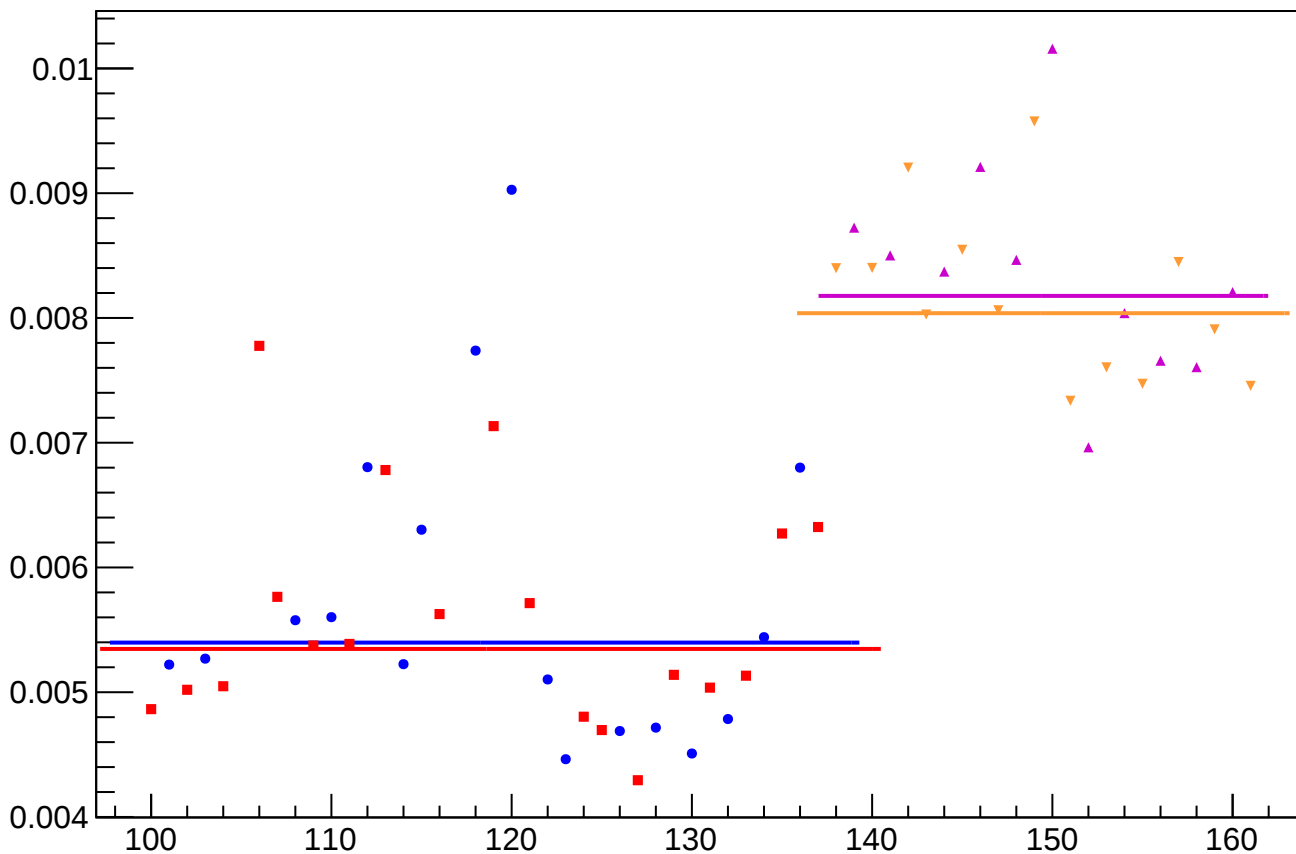
Right Out: -5.920+/-0.000 χ^2/NDF : 12785618366.8/18

Left In: -6.654+/-0.000 χ^2/NDF : 94193278555.9/10

-6.183+/-0.000 χ^2/NDF : 173116328529.7/29

-6.171+/-0.000 χ^2/NDF : 148137051004.1/29

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 :93317.0/12

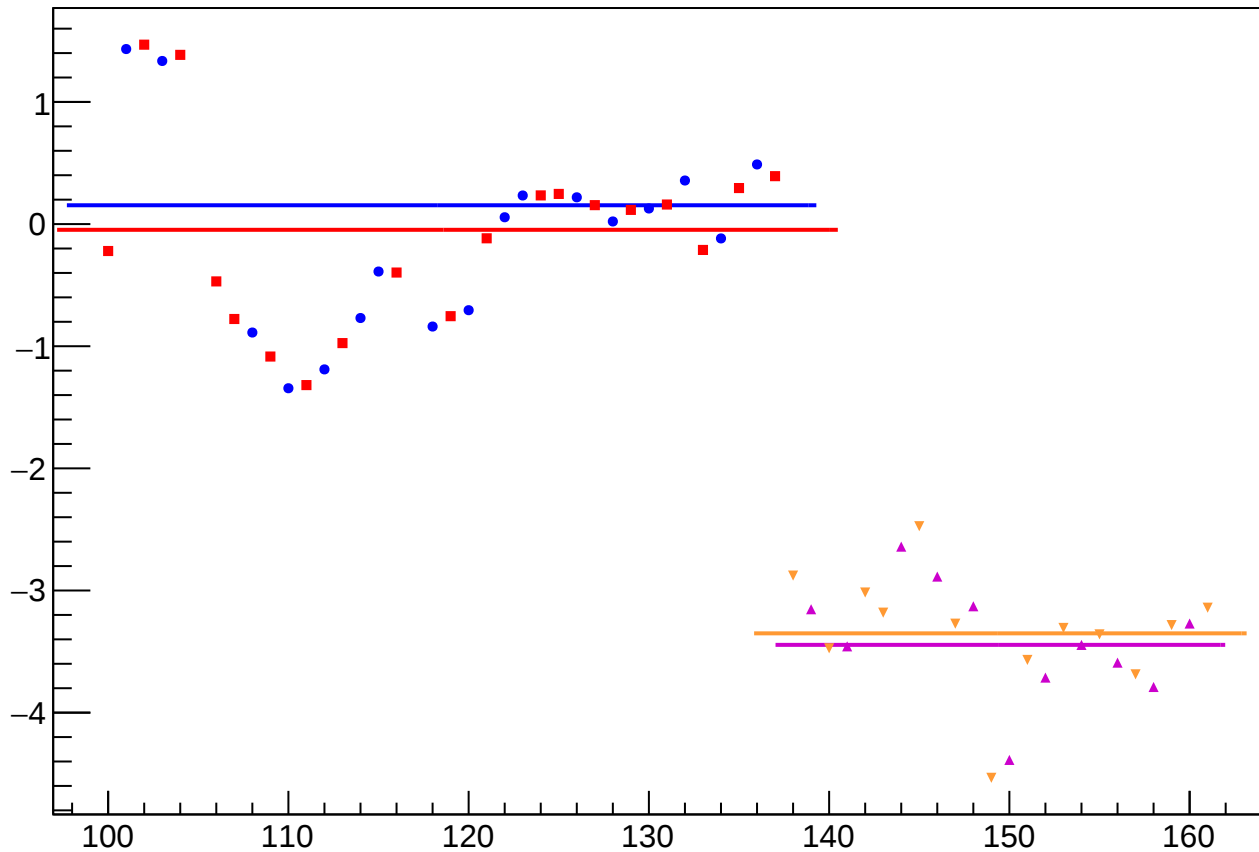
Right Out: 0.005+/-0.000 χ^2/NDF : 249377.5/18

Left In: 0.008+/-0.000 χ^2/NDF :140927.1/10

0.006+/-0.000 χ^2/NDF : 1564302.3/29

0.006+/-0.000 χ^2/NDF : 1612400.5/29

yield_bpm0l02X_mean vs Slug



Right In: 0.154+/-0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.351+/-0.000 χ^2/NDF : 7110759770.0/12

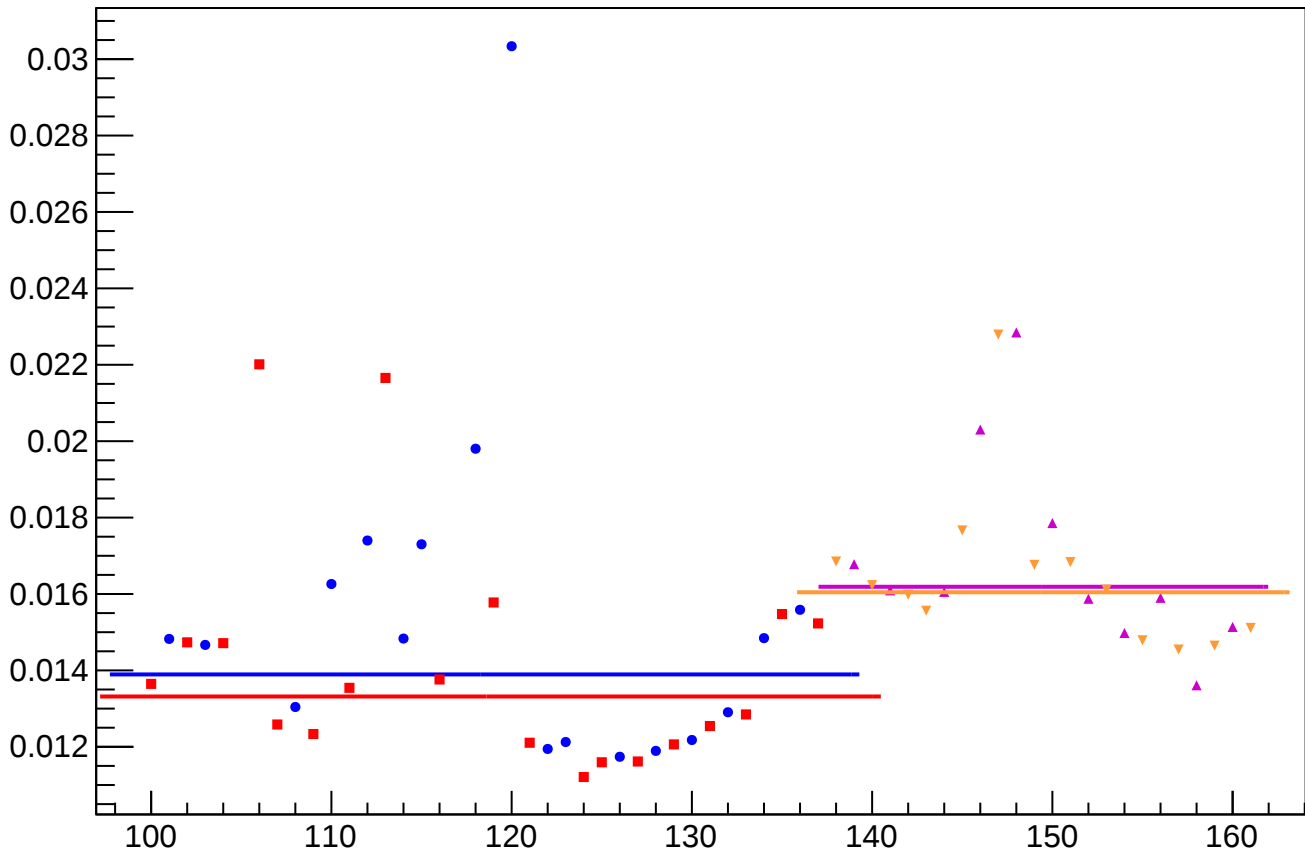
-1.734+/-0.000 χ^2/NDF : 227062177555.7/29

Right Out: -0.047+/-0.000 χ^2/NDF : 21211430471.1/18

-1.632+/-0.000 χ^2/NDF : 223508288900.7/29

Left In: -3.445+/-0.000 χ^2/NDF : 6073316461.4/10

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 400569.4/16

Left Out: 0.016+/-0.000 χ^2/NDF :194145.3/12

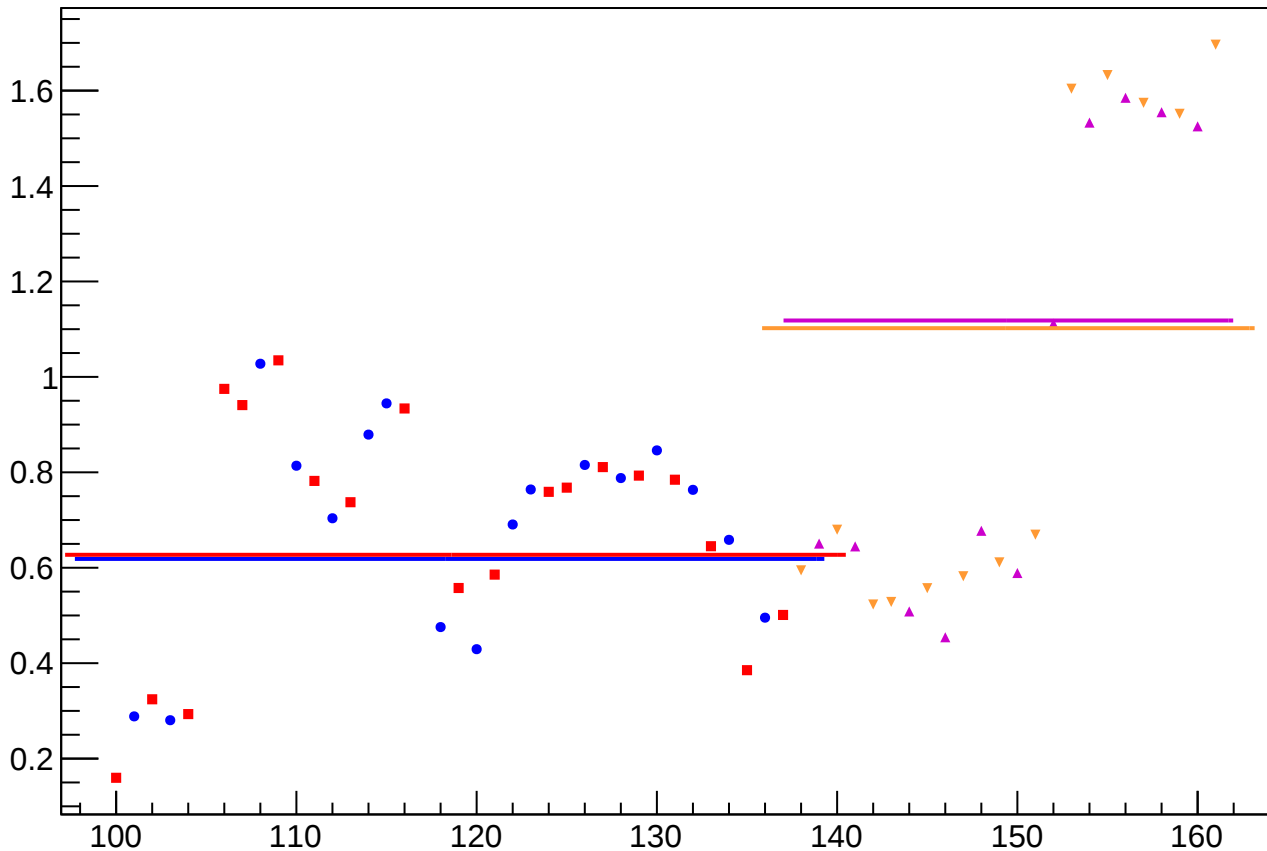
Right Out: 0.013+/-0.000 χ^2/NDF : 291358.0/18

Left In: 0.016+/-0.000 χ^2/NDF :273961.1/10

0.015+/-0.000 χ^2/NDF : 747558.7/29

0.015+/-0.000 χ^2/NDF : 845633.3/29

yield_bpm0l02Y_mean vs Slug



Right In: 0.619+/-0.000 χ^2/NDF : 5416939288.1/16

Left Out: 1.102+/-0.000 χ^2/NDF : 47947498886.4/12

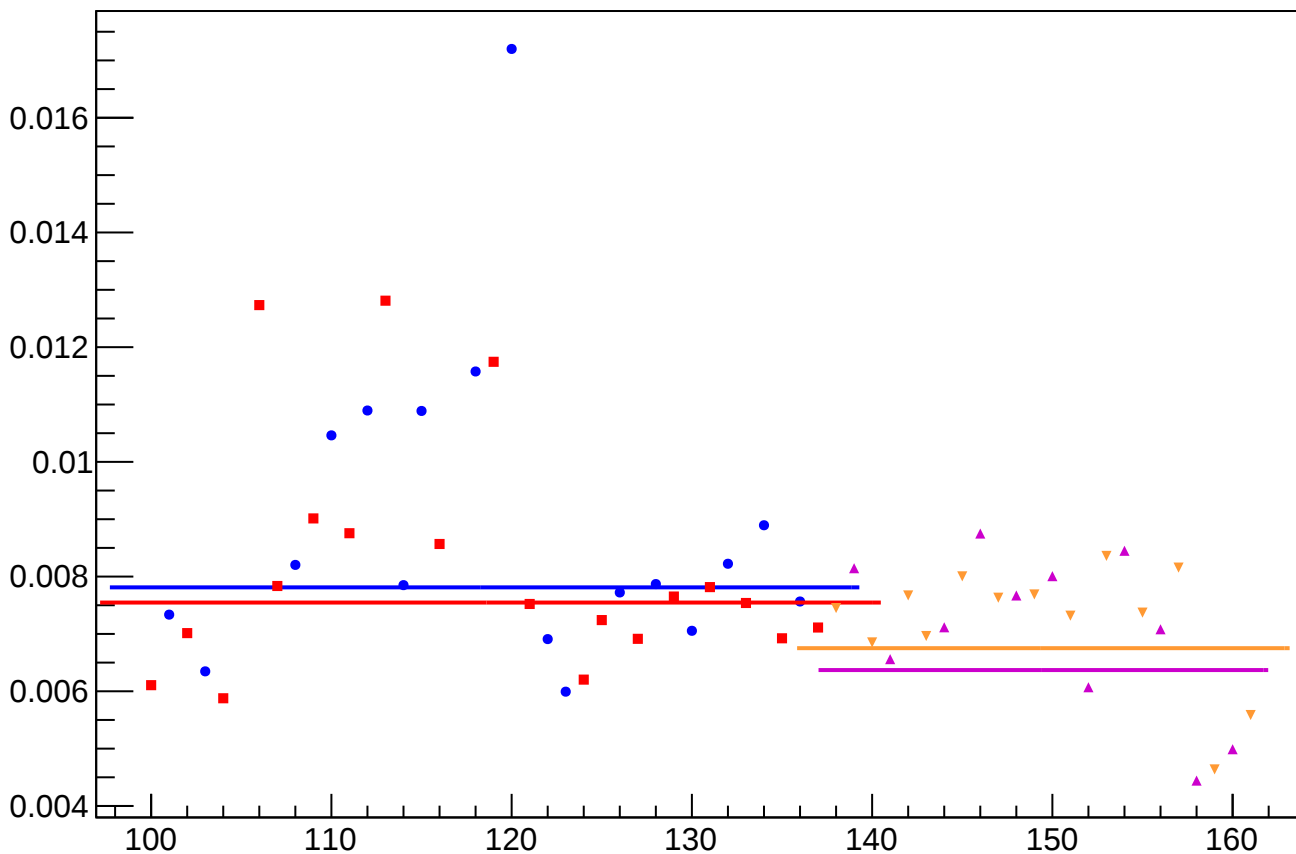
Right Out: 0.627+/-0.000 χ^2/NDF : 6337935219.4/18

Left In: 1.118+/-0.000 χ^2/NDF : 39534961546.3/10

0.939+/-0.000 χ^2/NDF : 68150982701.7/29

0.942+/-0.000 χ^2/NDF : 62664375624.1/29

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 466827.3/16

Left Out: 0.007+/-0.000 χ^2/NDF :597609.7/12

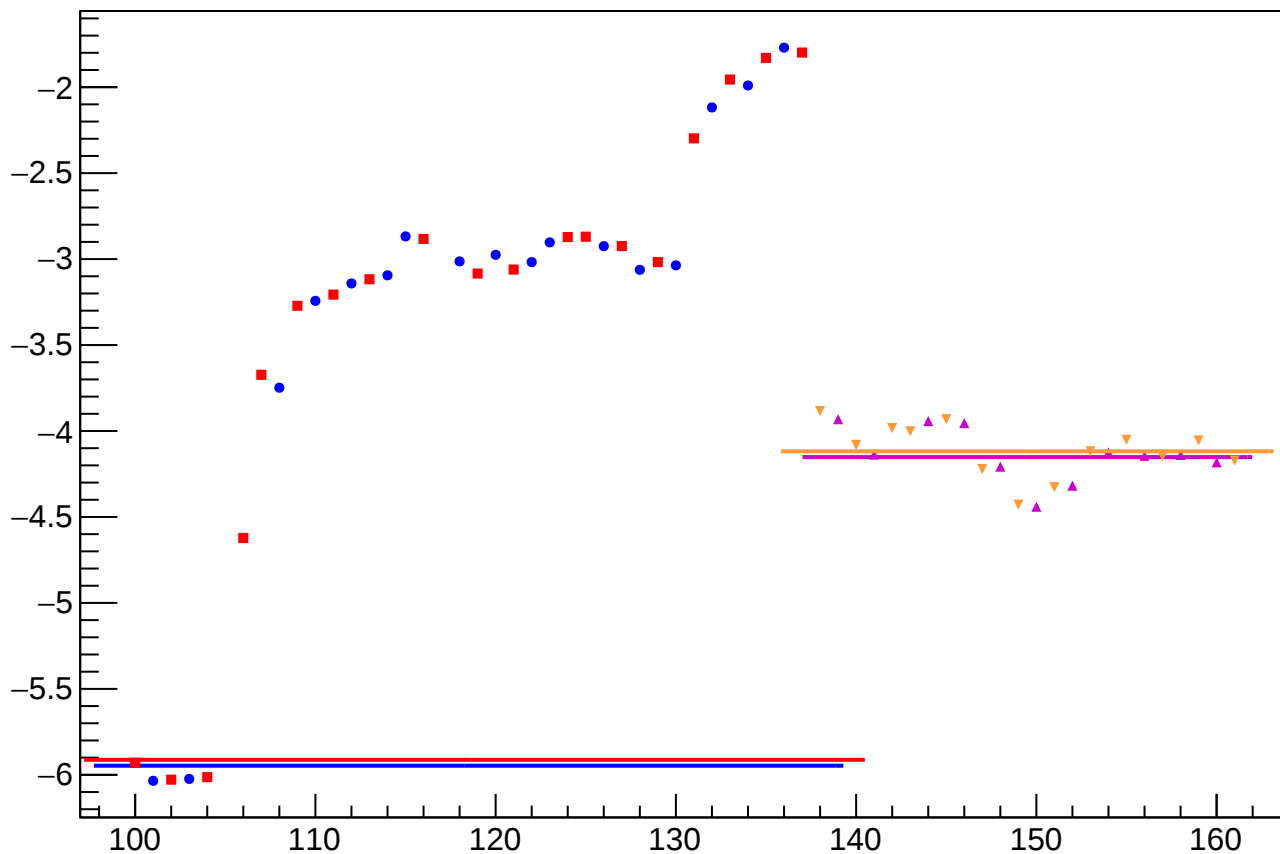
Right Out: 0.008+/-0.000 χ^2/NDF : 441823.4/18

Left In: 0.006+/-0.000 χ^2/NDF :815151.8/10

0.007+/-0.000 χ^2/NDF : 1206618.7/29

0.007+/-0.000 χ^2/NDF : 1449948.7/29

yield_bpm0l03X_mean vs Slug



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -4.118+/-0.000 χ^2/NDF : 29707215.6/12

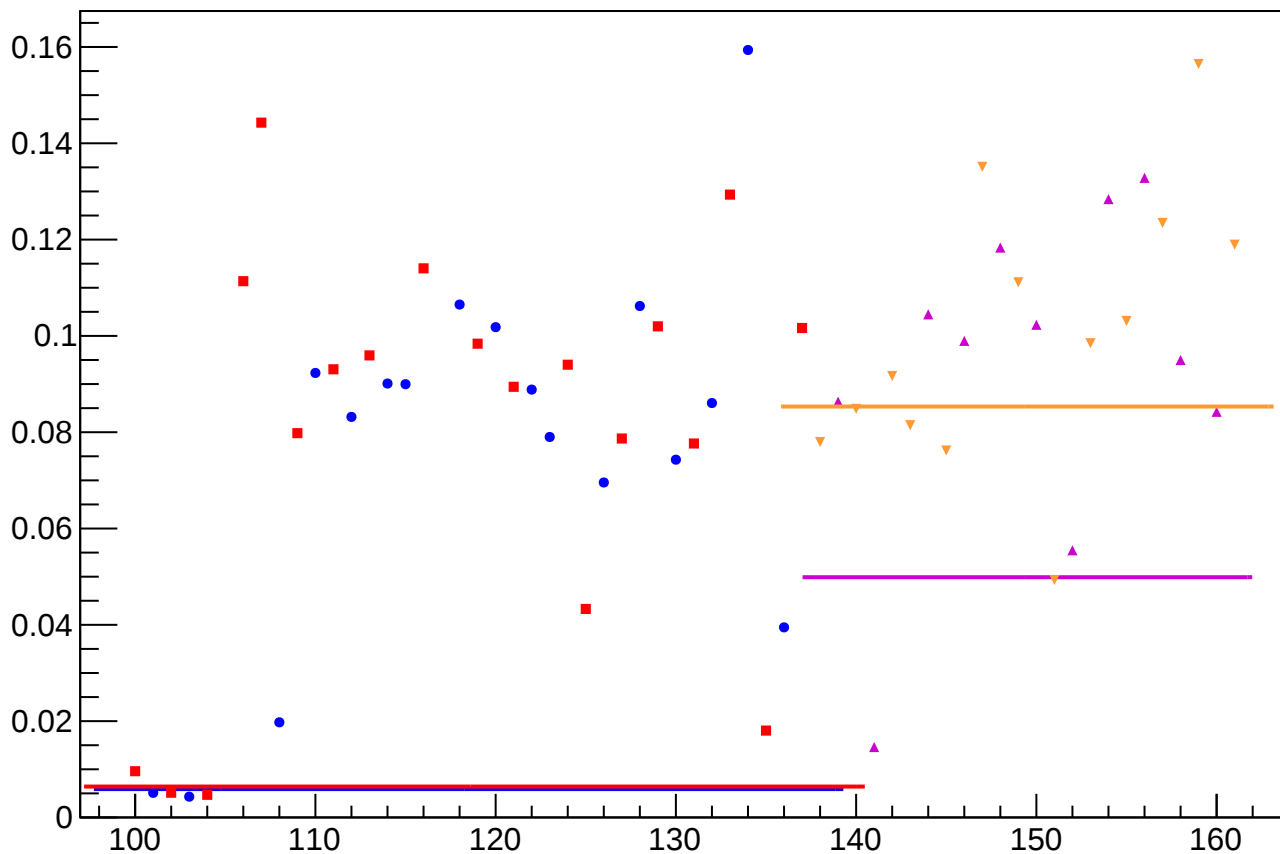
Right Out: -5.912+/-0.000 χ^2/NDF : 14619971495.0/18

Left In: -4.152+/-0.000 χ^2/NDF : 21049775.5/10

-5.907+/-0.000 χ^2/NDF : 16659558277.1/29

-5.840+/-0.000 χ^2/NDF : 19536375024.8/29

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 7934545.2/16

Left Out: 0.085+/-0.000 χ^2/NDF :1489390.6/12

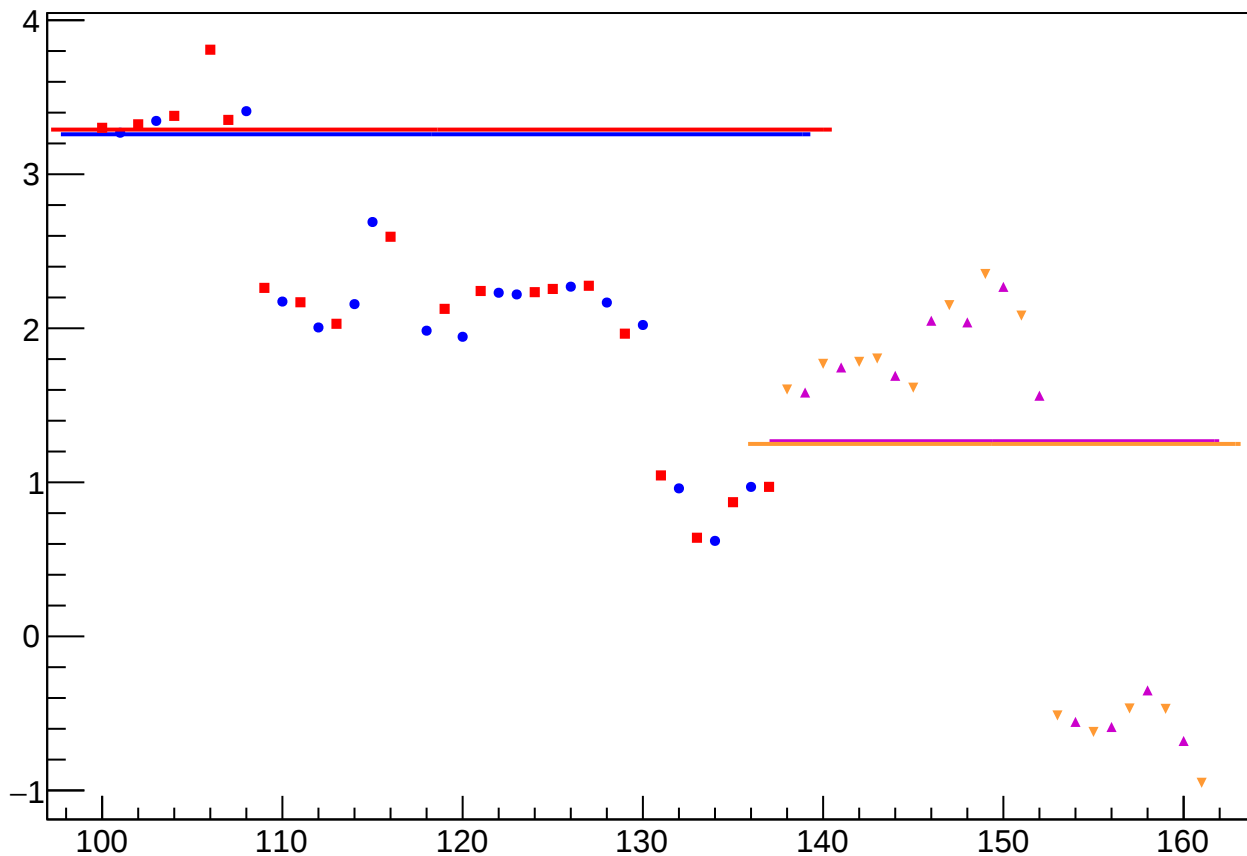
Right Out: 0.006+/-0.000 χ^2/NDF : 8498586.9/18

Left In: 0.050+/-0.000 χ^2/NDF :5534186.1/10

0.008+/-0.000 χ^2/NDF : 22497849.1/29

0.008+/-0.000 χ^2/NDF : 20001493.8/29

yield_bpm0l03Y_mean vs Slug



Right In: 3.259+/-0.000 χ^2/NDF : 2921931976.8/16

Left Out: 1.249+/-0.000 χ^2/NDF : 1201729074.5/12

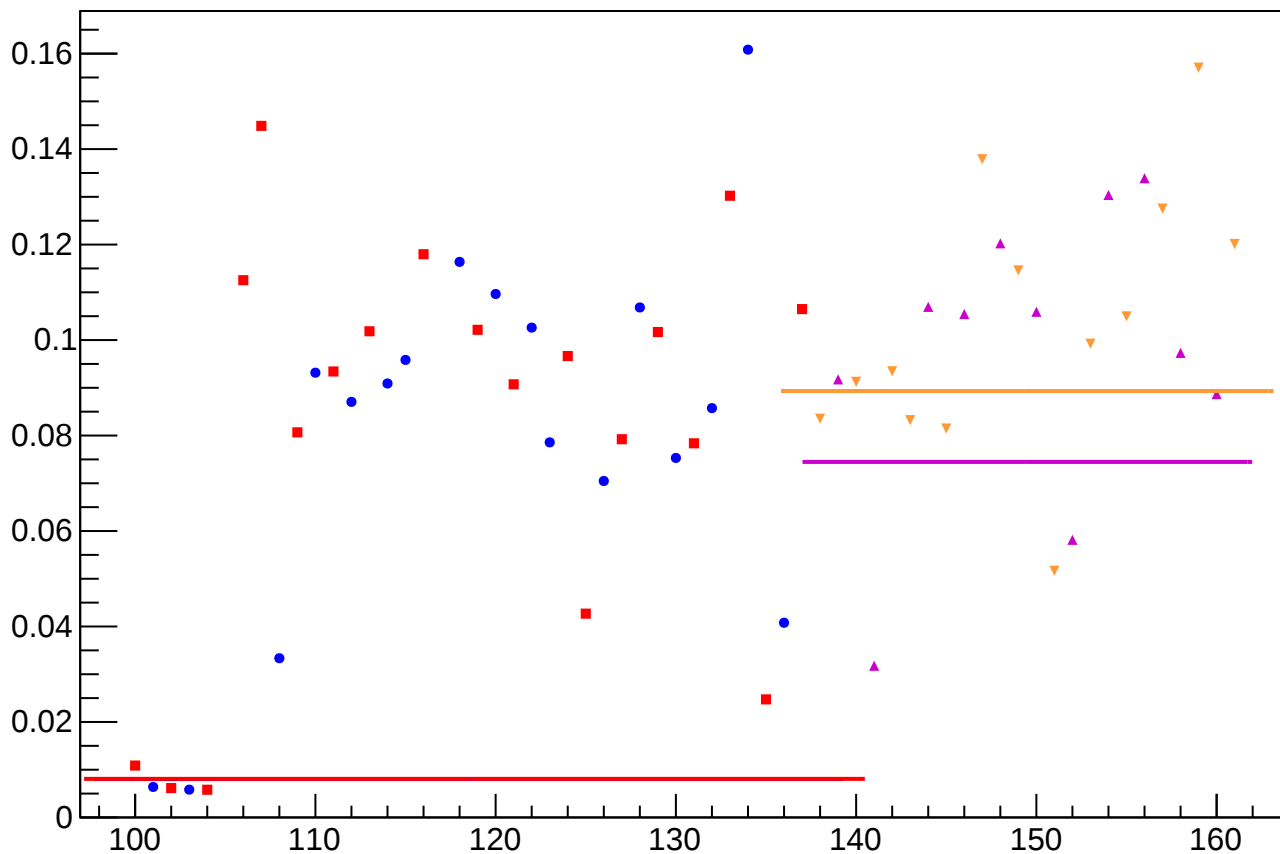
Right Out: 3.290+/-0.000 χ^2/NDF : 3262231575.5/18

Left In: 1.267+/-0.000 χ^2/NDF : 982340017.2/10

3.194+/-0.000 χ^2/NDF : 7935596513.6/29

3.213+/-0.000 χ^2/NDF : 8344135308.5/29

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 7742048.1/16

Left Out: 0.089+/-0.000 χ^2/NDF :1365572.9/12

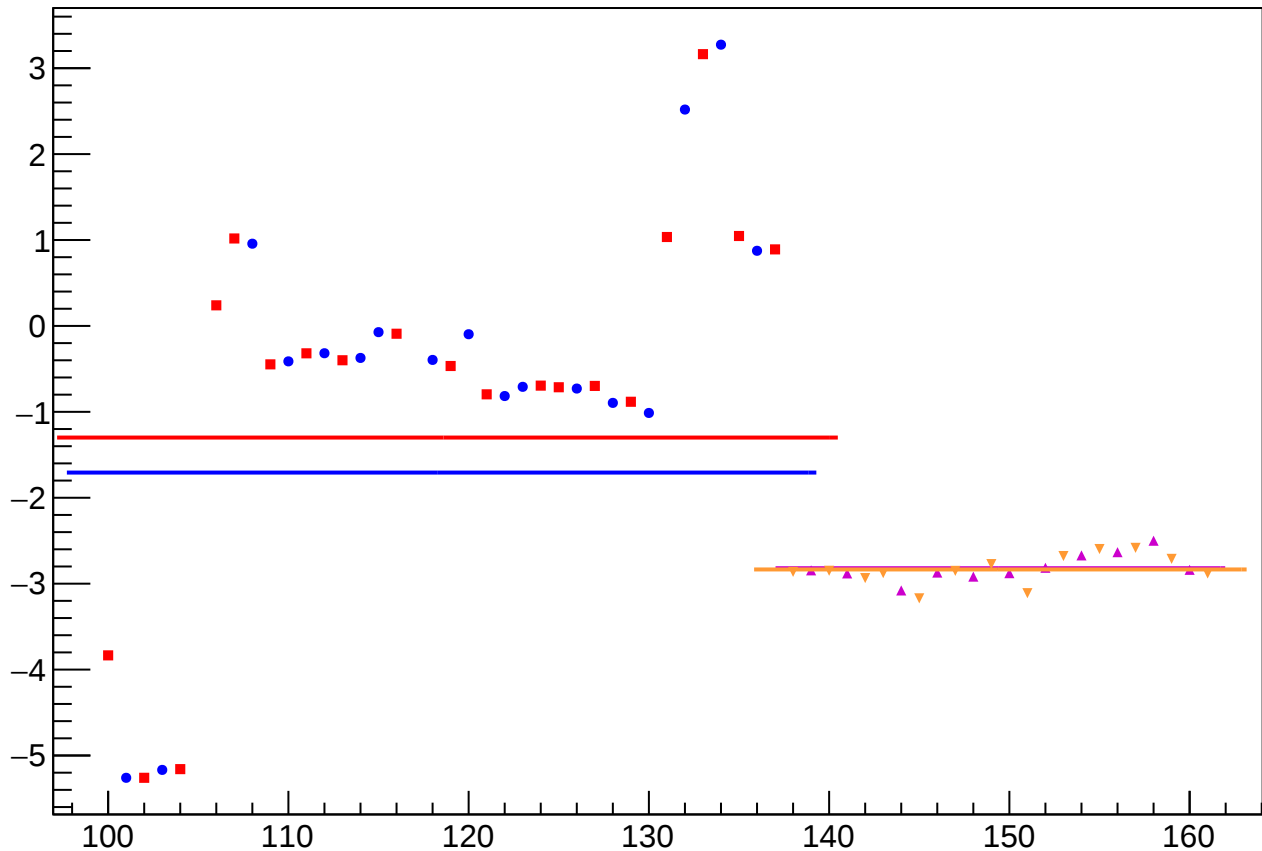
Right Out: 0.008+/-0.000 χ^2/NDF : 8309426.5/18

Left In: 0.074+/-0.000 χ^2/NDF :2526948.7/10

0.011+/-0.000 χ^2/NDF : 21574764.0/29

0.011+/-0.000 χ^2/NDF : 19665864.7/29

yield_bpm0l04X_mean vs Slug



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.835+/-0.000 χ^2/NDF : 4339206416.5/12

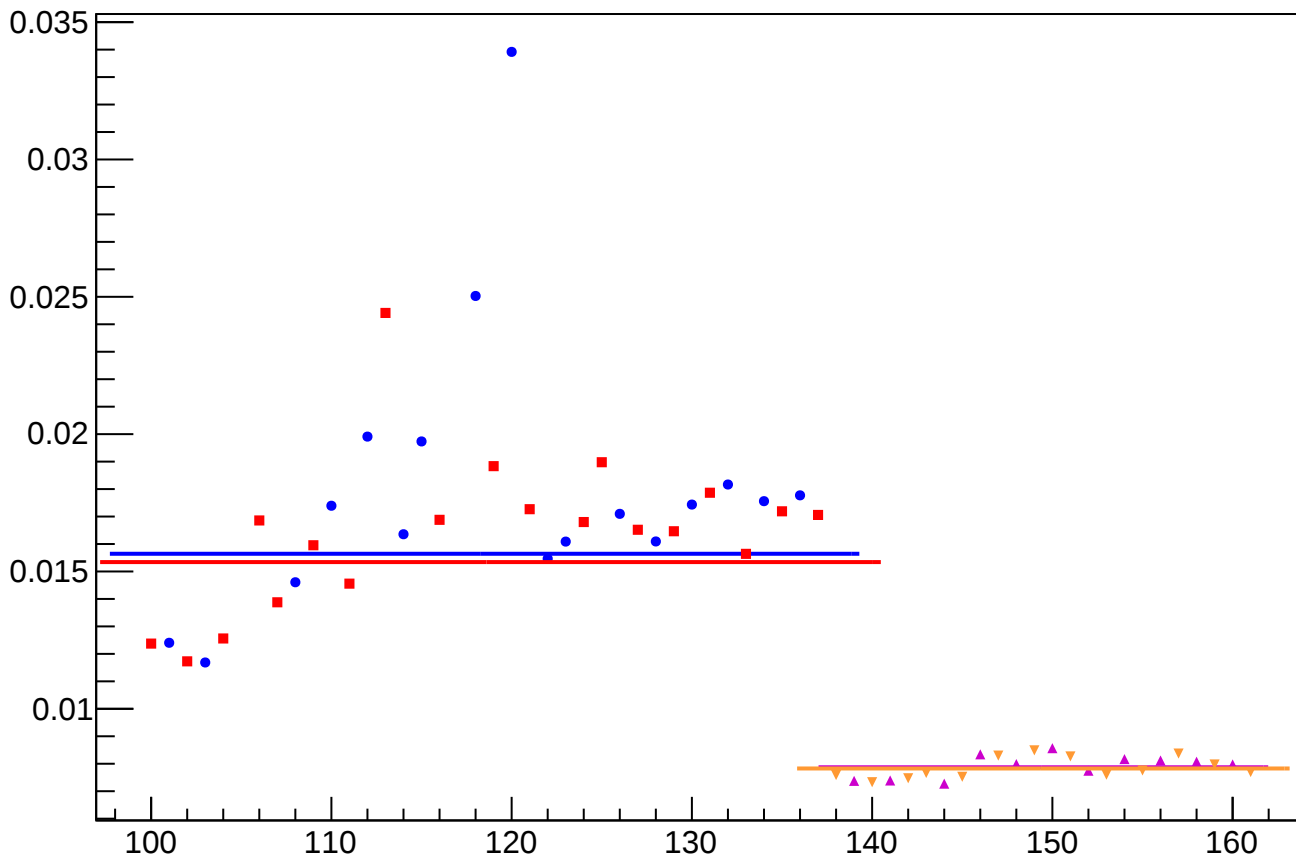
-2.686+/-0.000 χ^2/NDF : 195762578912.8/29

Right Out: -1.299+/-0.000 χ^2/NDF : 178036726841.2/18

-2.575+/-0.000 χ^2/NDF : 232329986751.9/29

Left In: -2.820+/-0.000 χ^2/NDF : 3201737052.0/10

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 578244.3/16

Left Out: 0.008+/-0.000 χ^2/NDF : 40038.5/12

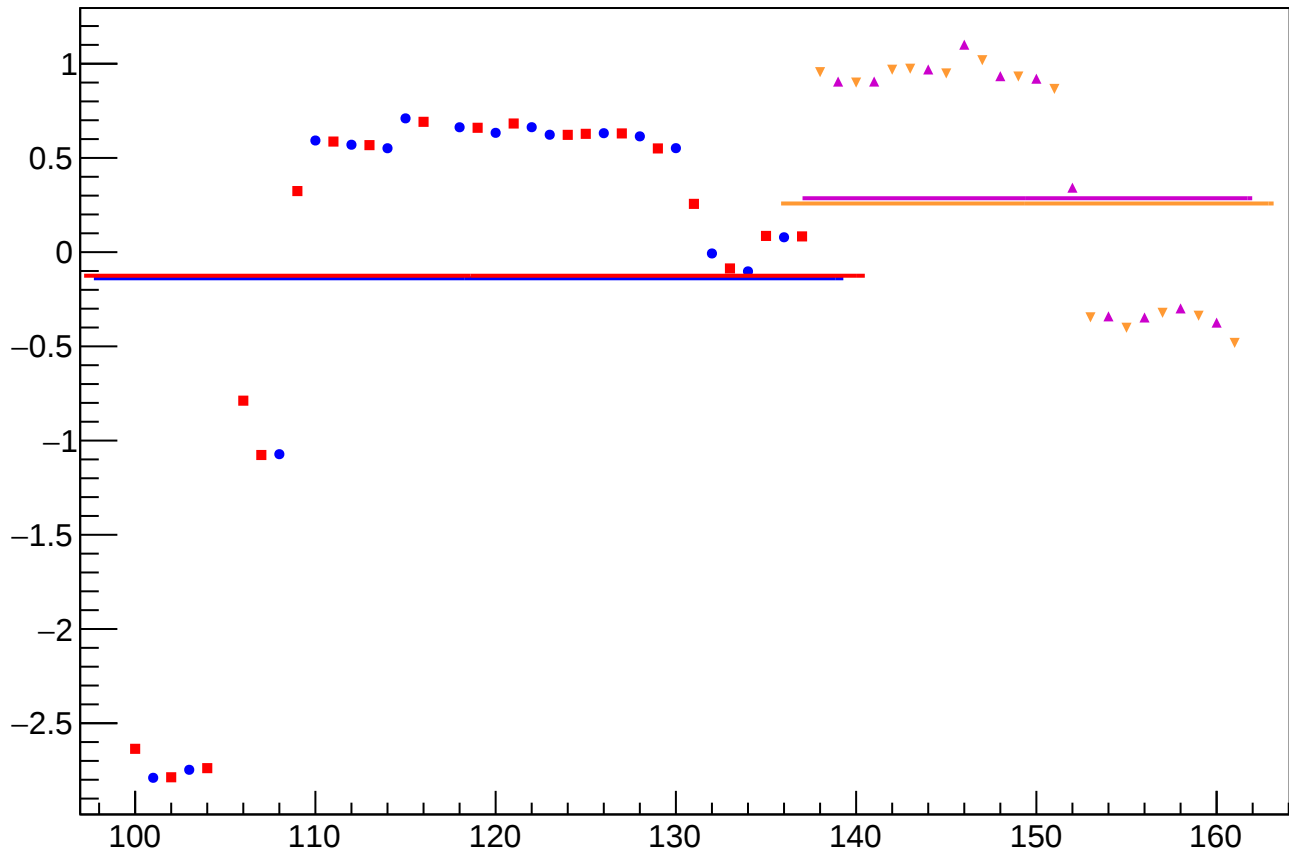
Right Out: 0.015+/-0.000 χ^2/NDF : 353806.7/18

Left In: 0.008+/-0.000 χ^2/NDF : 45291.6/10

0.009+/-0.000 χ^2/NDF : 3049720.8/29

0.009+/-0.000 χ^2/NDF : 2865298.9/29

yield_bpm0l04Y_mean vs Slug



Right In: -0.139+/-0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.258+/-0.000 χ^2/NDF : 97398019109.6/12

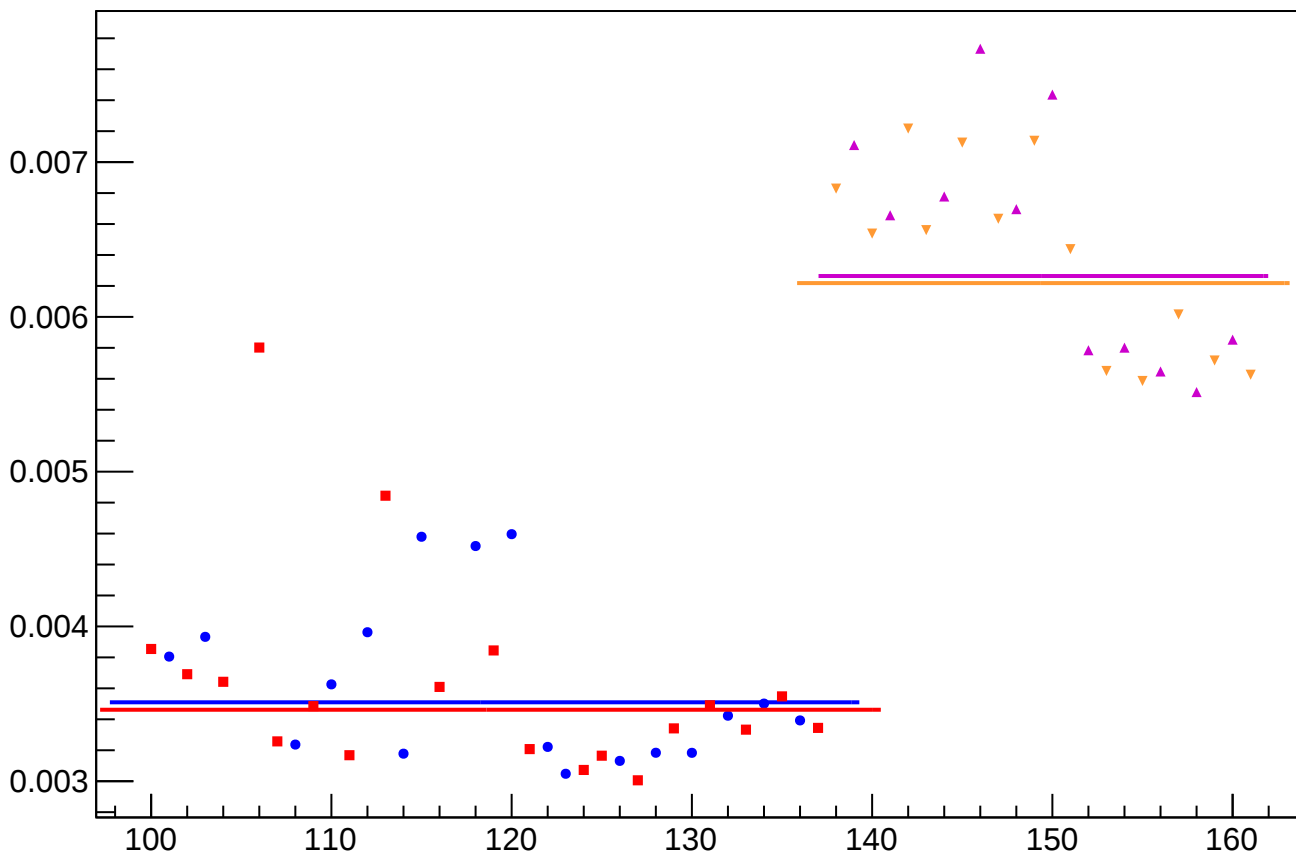
-0.019+/-0.000 χ^2/NDF : 836859912183.9/29

Right Out: -0.125+/-0.000 χ^2/NDF : 761496762534.7/18

-0.016+/-0.000 χ^2/NDF : 861869559290.3/29

Left In: 0.286+/-0.000 χ^2/NDF : 75165179114.2/10

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 171337.9/16

Left Out: 0.006+/-0.000 χ^2/NDF :146274.4/12

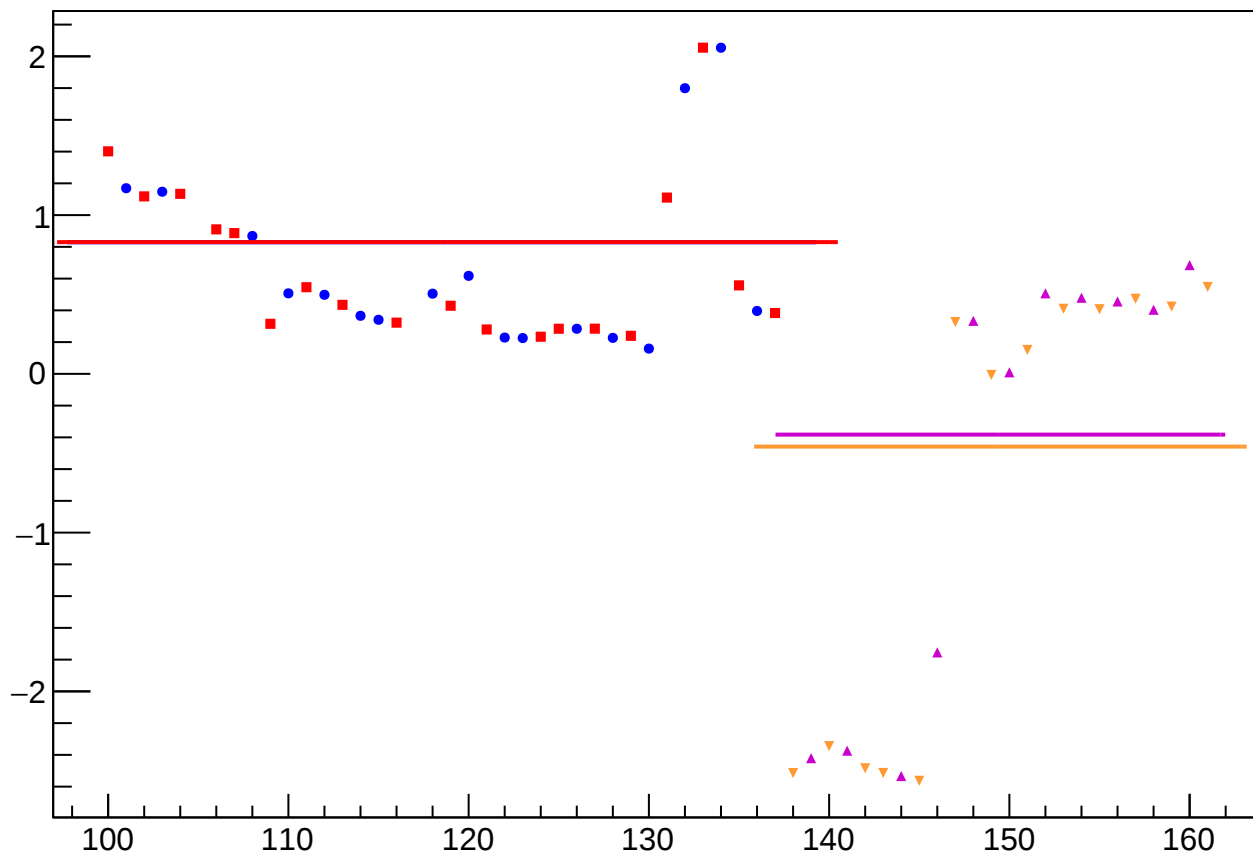
Right Out: 0.003+/-0.000 χ^2/NDF : 215974.1/18

Left In: 0.006+/-0.000 χ^2/NDF :194708.5/10

0.004+/-0.000 χ^2/NDF : 2590289.6/29

0.004+/-0.000 χ^2/NDF : 2751799.7/29

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000 χ^2/NDF : 31718573821.2/16

Left Out: -0.458+/-0.000 χ^2/NDF : 420510690221.2/12

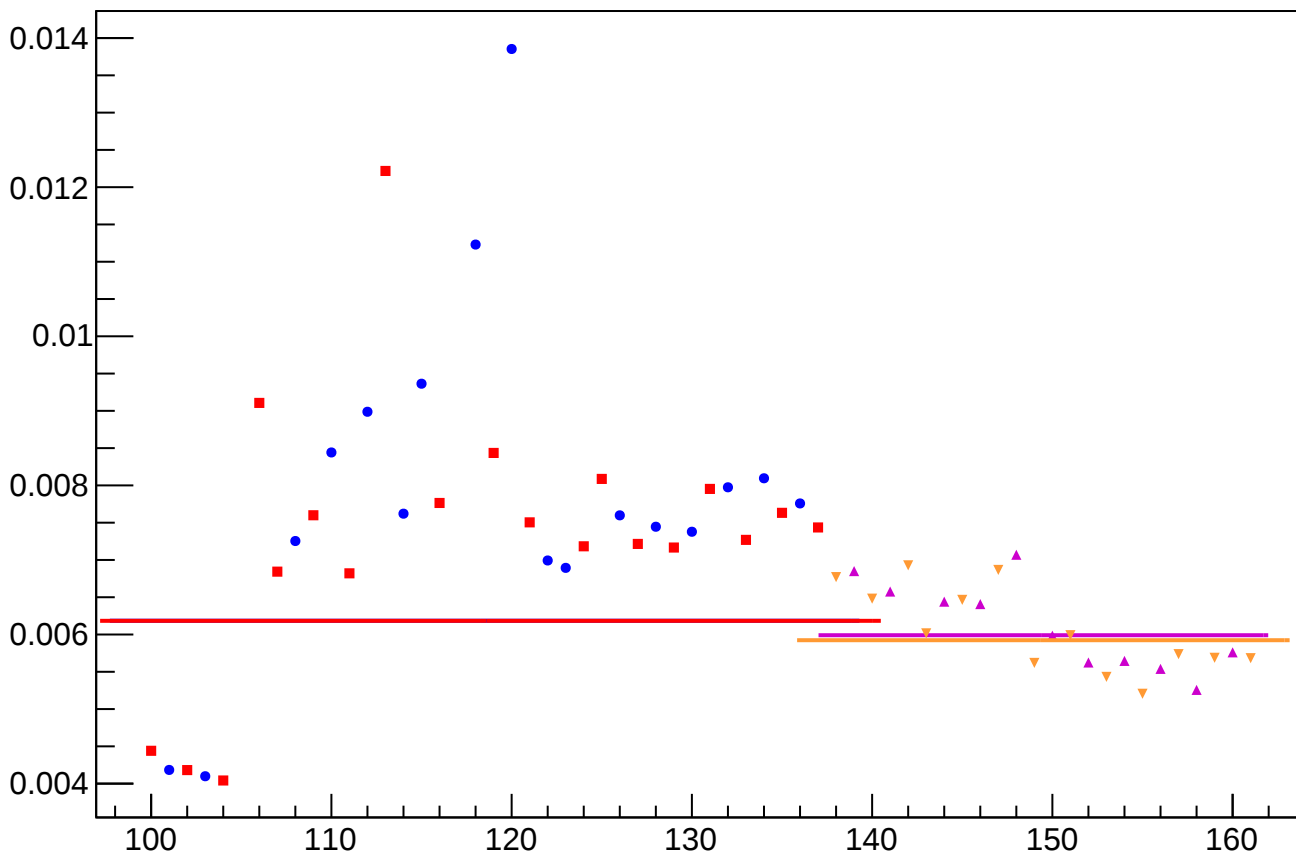
Right Out: 0.830+/-0.000 χ^2/NDF : 33335665437.8/18

Left In: -0.383+/-0.000 χ^2/NDF : 358386492252.7/10

-0.004+/-0.000 χ^2/NDF : 601243177614.8/29

0.099+/-0.000 χ^2/NDF : 526287815729.5/29

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1228962.4/16

Left Out: 0.006+/-0.000 χ^2/NDF : 137705.5/12

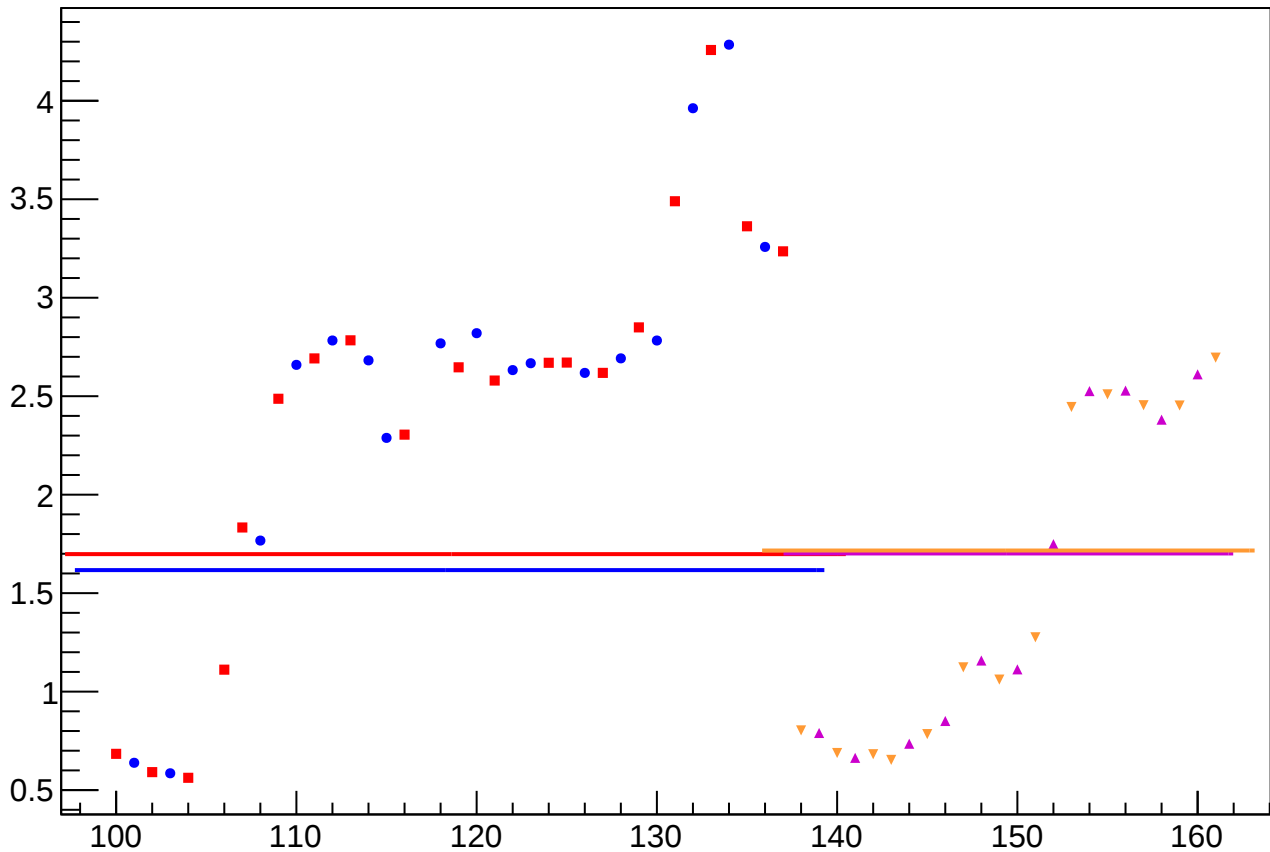
Right Out: 0.006+/-0.000 χ^2/NDF : 1026836.0/18

Left In: 0.006+/-0.000 χ^2/NDF : 136477.5/10

0.006+/-0.000 χ^2/NDF : 1378942.1/29

0.006+/-0.000 χ^2/NDF : 1170136.8/29

yield_bpm0l05Y_mean vs Slug



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 1.716+/-0.000 χ^2/NDF :183622780966.0/12

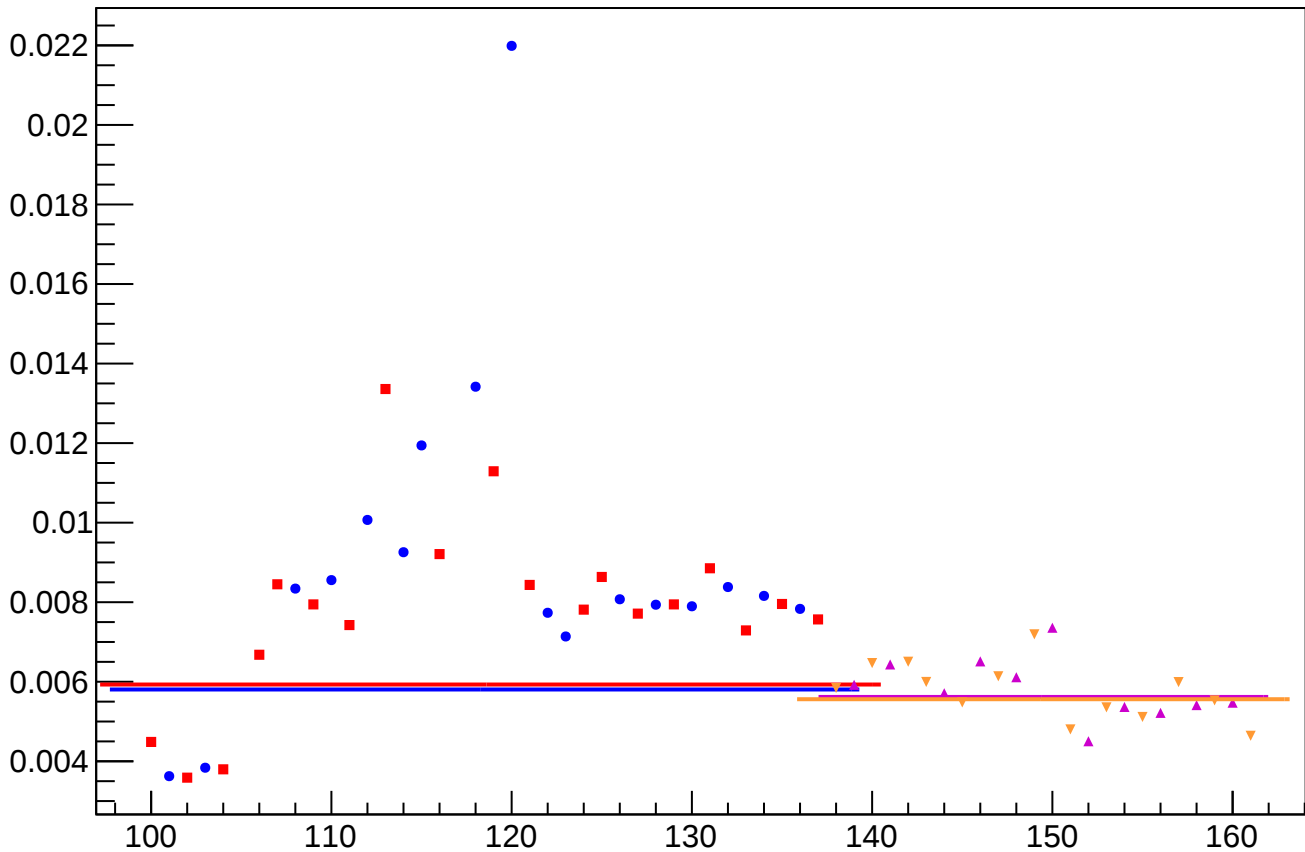
1.682+/-0.000 χ^2/NDF : 387436212789.6/29

Right Out: 1.698+/-0.000 χ^2/NDF : 227408345801.7/18

1.700+/-0.000 χ^2/NDF : 372466353483.8/29

Left In: 1.702+/-0.000 χ^2/NDF :145056935723.0/10

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1917989.1/16

Left Out: 0.006+/-0.000 χ^2/NDF :241842.7/12

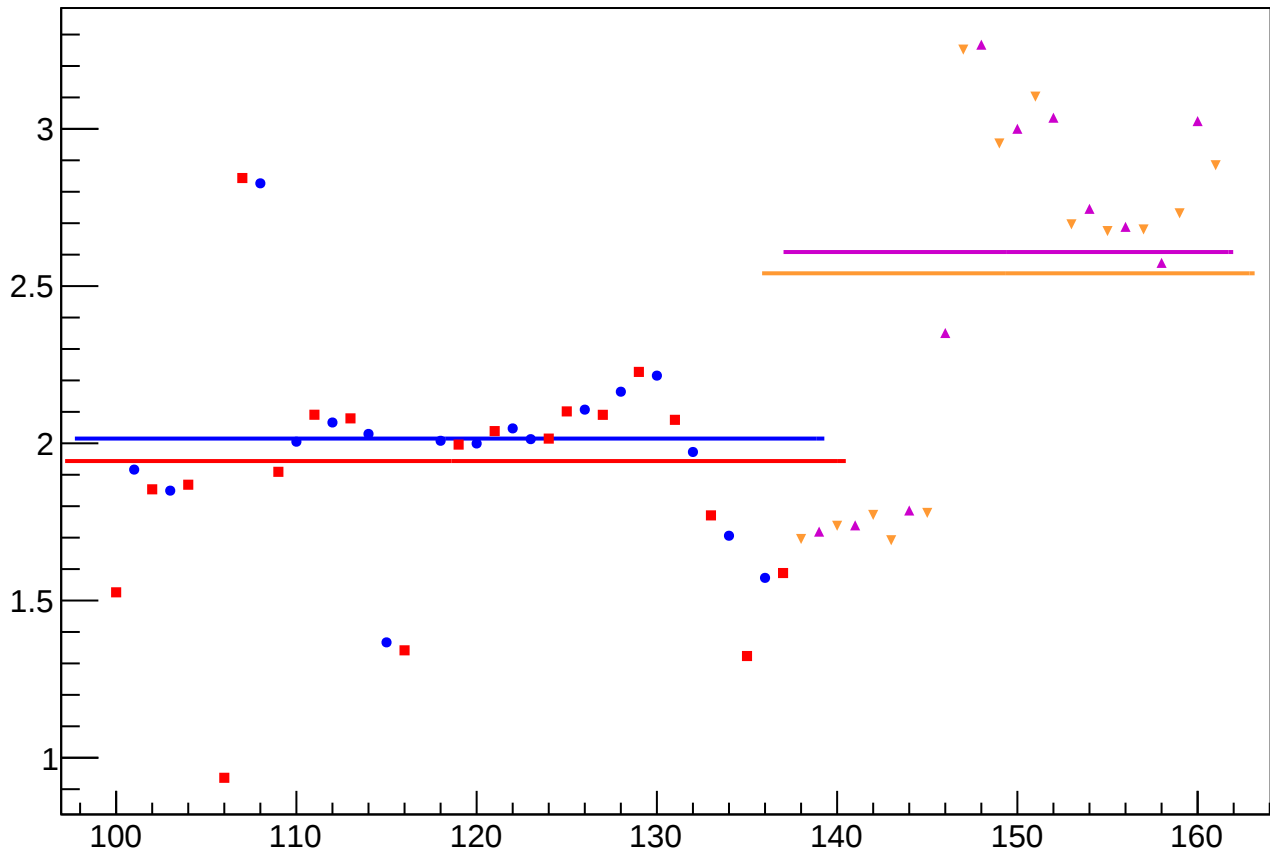
0.006+/-0.000 χ^2/NDF : 2171022.3/29

Right Out: 0.006+/-0.000 χ^2/NDF : 1685563.6/18

0.006+/-0.000 χ^2/NDF : 1952091.6/29

Left In: 0.006+/-0.000 χ^2/NDF :248174.7/10

yield_bpm0l06X_mean vs Slug



Right In: 2.015+/-0.000 χ^2/NDF : 12228403202.6/16

Left Out: 2.541+/-0.000 χ^2/NDF : 47545168441.8/12

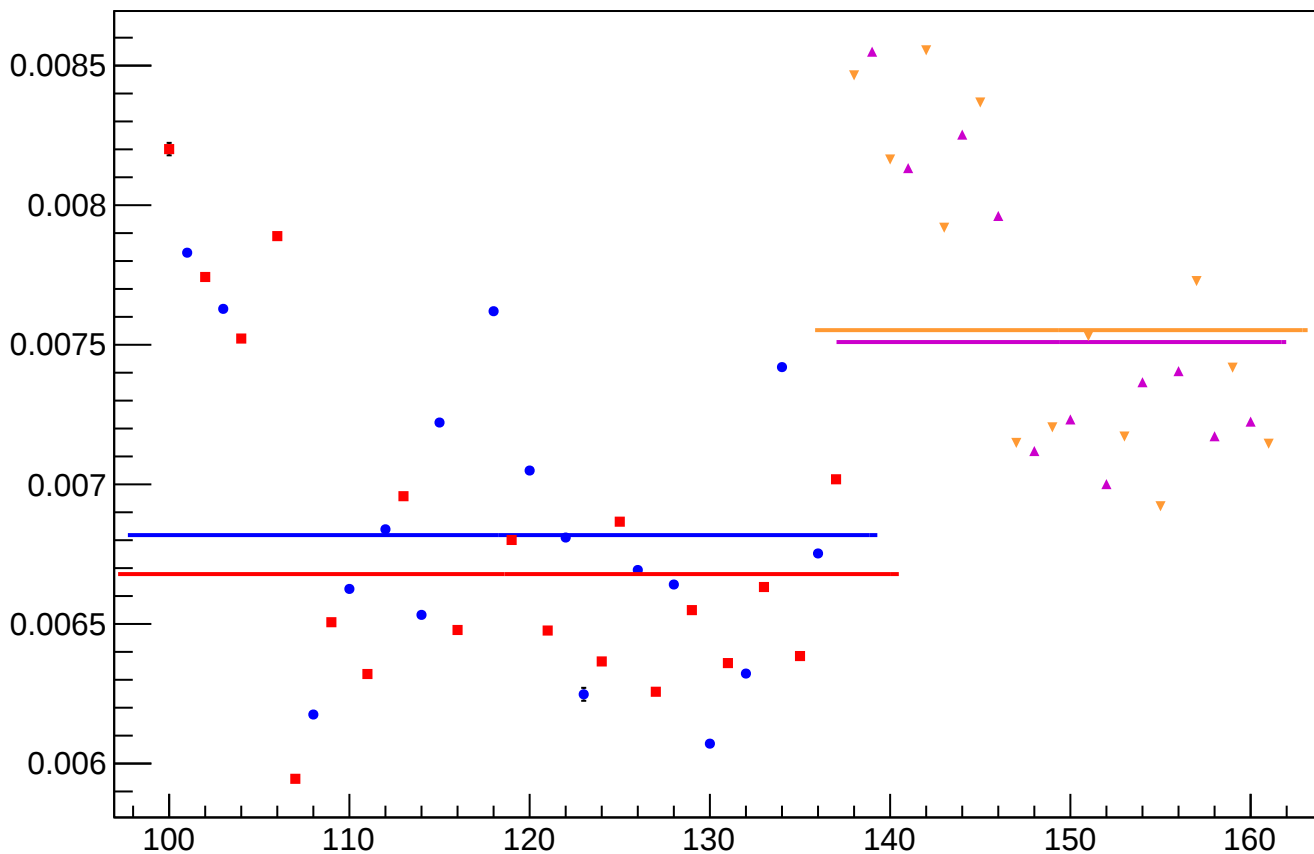
Right Out: 1.944+/-0.000 χ^2/NDF : 21427099579.0/18

Left In: 2.608+/-0.000 χ^2/NDF : 40169885481.0/10

2.299+/-0.000 χ^2/NDF : 80197848401.7/29

2.274+/-0.000 χ^2/NDF : 95047798958.5/29

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 :83273.6/12

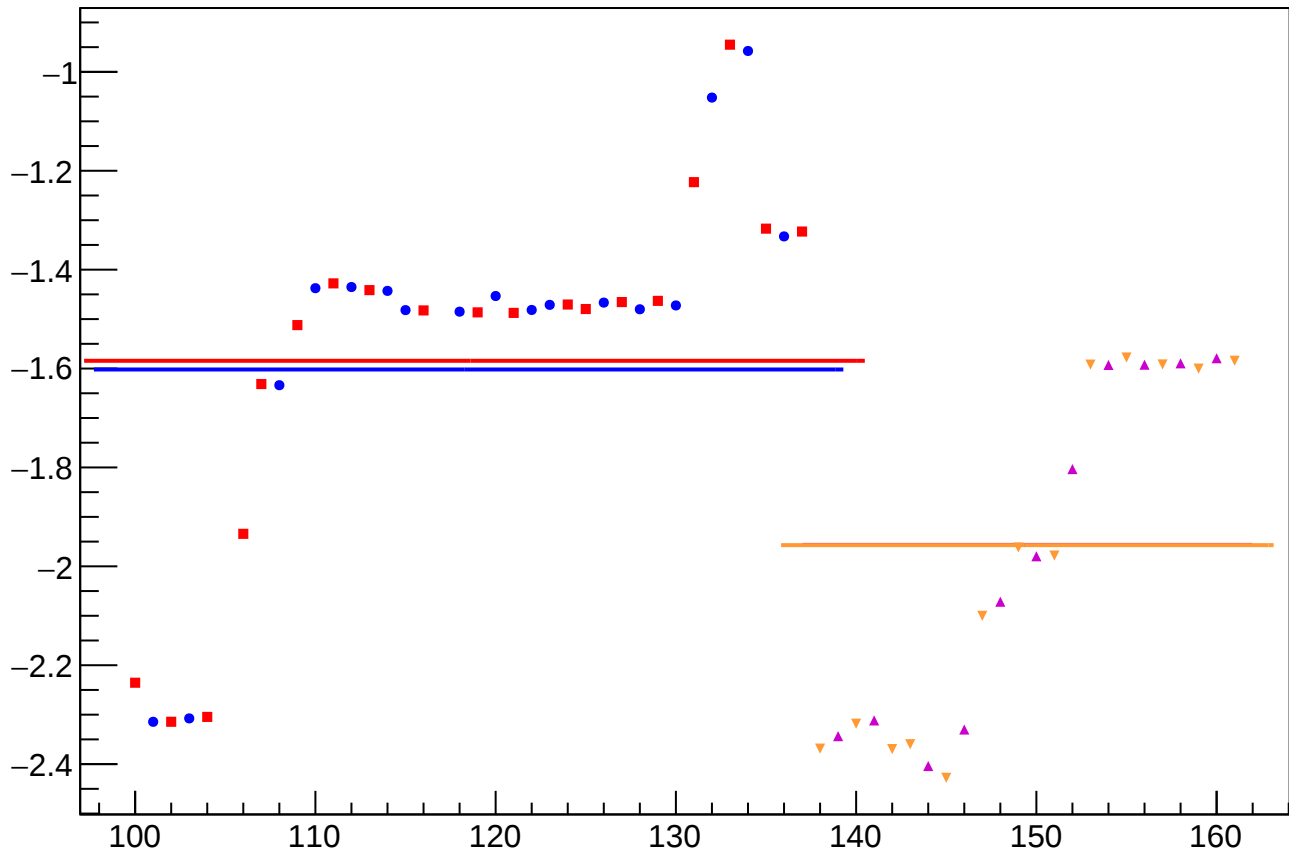
Right Out: 0.007+/-0.000 χ^2/NDF : 75718.4/18

Left In: 0.008+/-0.000 χ^2/NDF :69192.4/10

0.007+/-0.000 χ^2/NDF : 238792.7/29

0.007+/-0.000 χ^2/NDF : 249493.3/29

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -1.957+/-0.000 χ^2/NDF : 128294515053.4/12

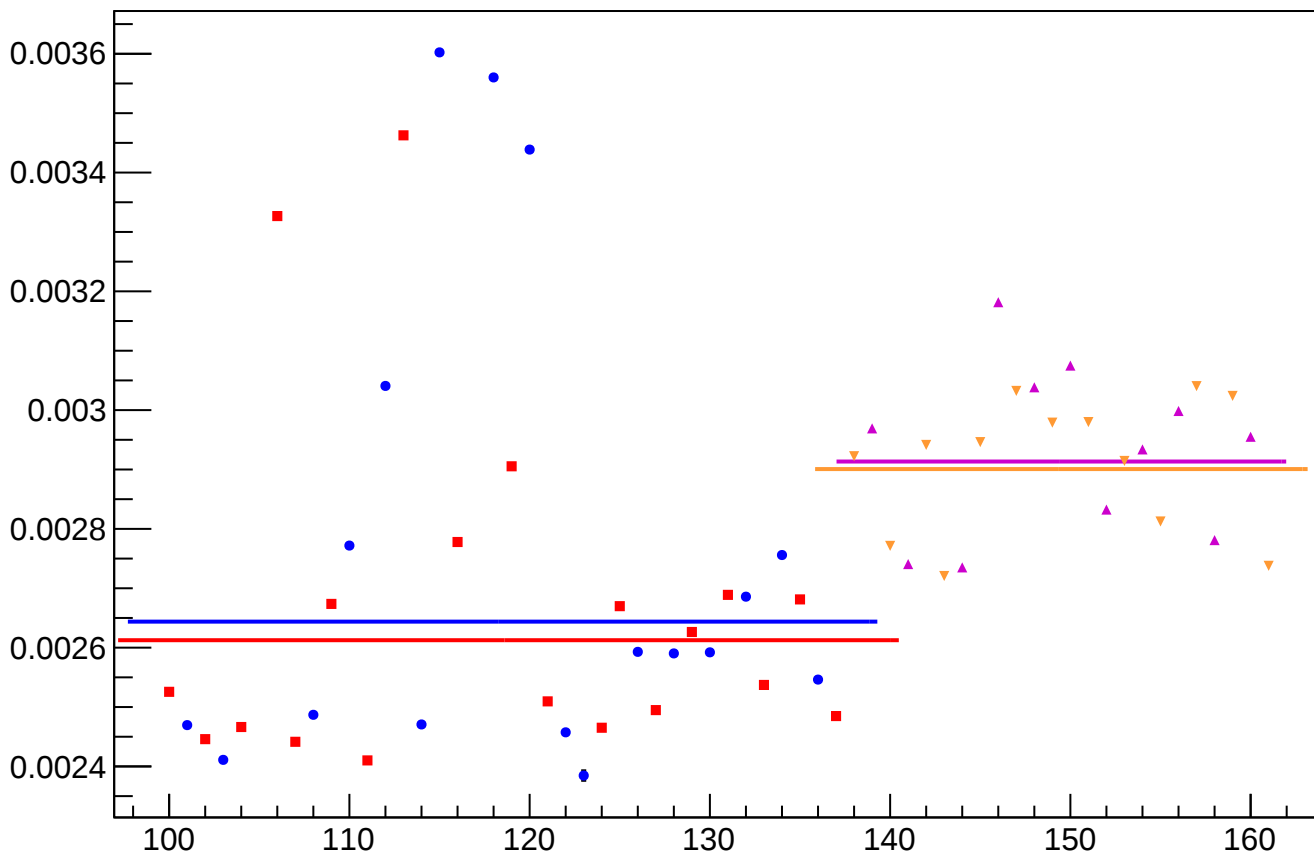
-1.796+/-0.000 χ^2/NDF : 330402297179.4/29

Right Out: -1.584+/-0.000 χ^2/NDF : 143578606614.3/18

-1.772+/-0.000 χ^2/NDF : 321098146435.5/29

Left In: -1.957+/-0.000 χ^2/NDF : 109234068782.7/10

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 151383.5/16

Left Out: 0.003+/-0.000 χ^2/NDF : 26604.6/12

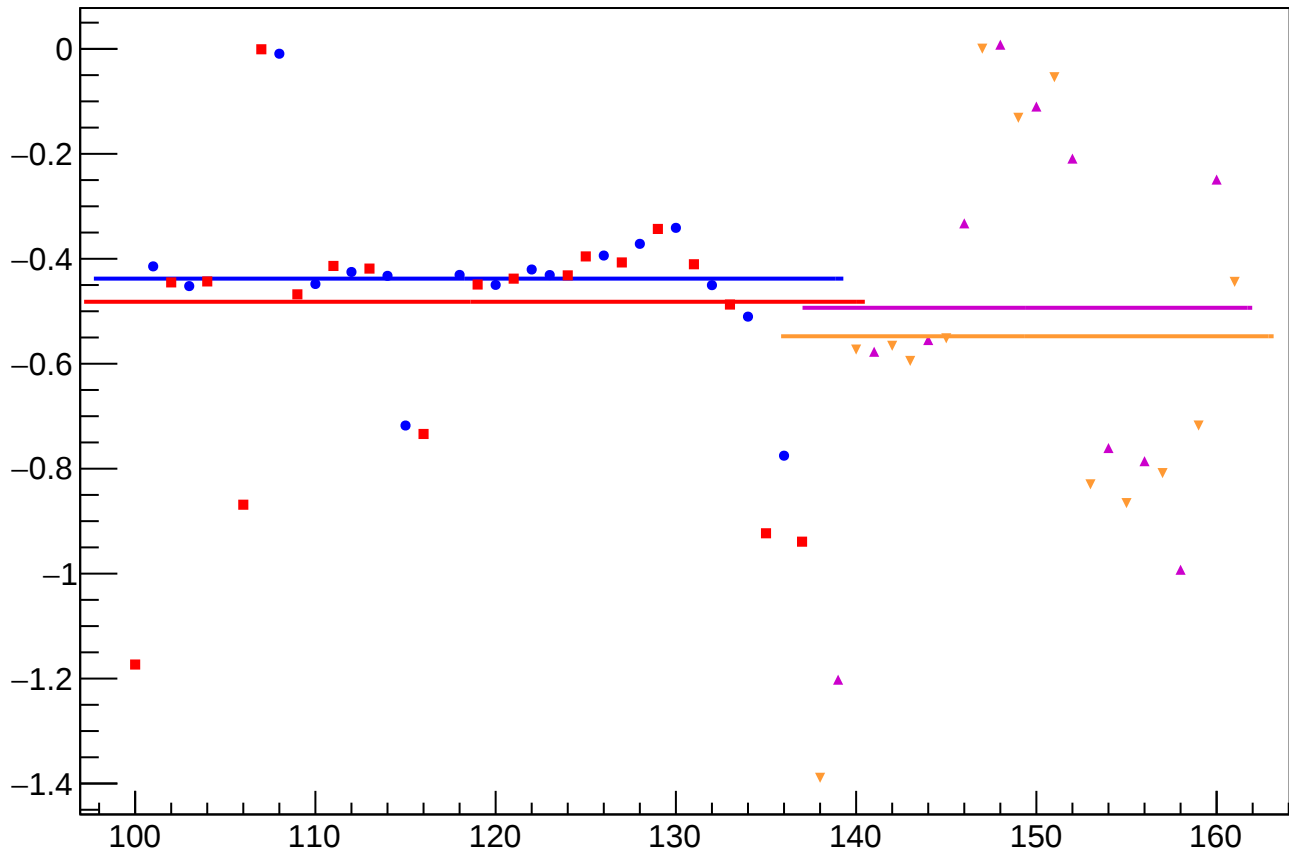
Right Out: 0.003+/-0.000 χ^2/NDF : 105296.2/18

Left In: 0.003+/-0.000 χ^2/NDF : 37213.9/10

0.003+/-0.000 χ^2/NDF : 242727.9/29

0.003+/-0.000 χ^2/NDF : 231673.0/29

yield_bpm0l07X_mean vs Slug



Right In: -0.438+/-0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.548+/-0.000 χ^2/NDF : 7514221290.0/12

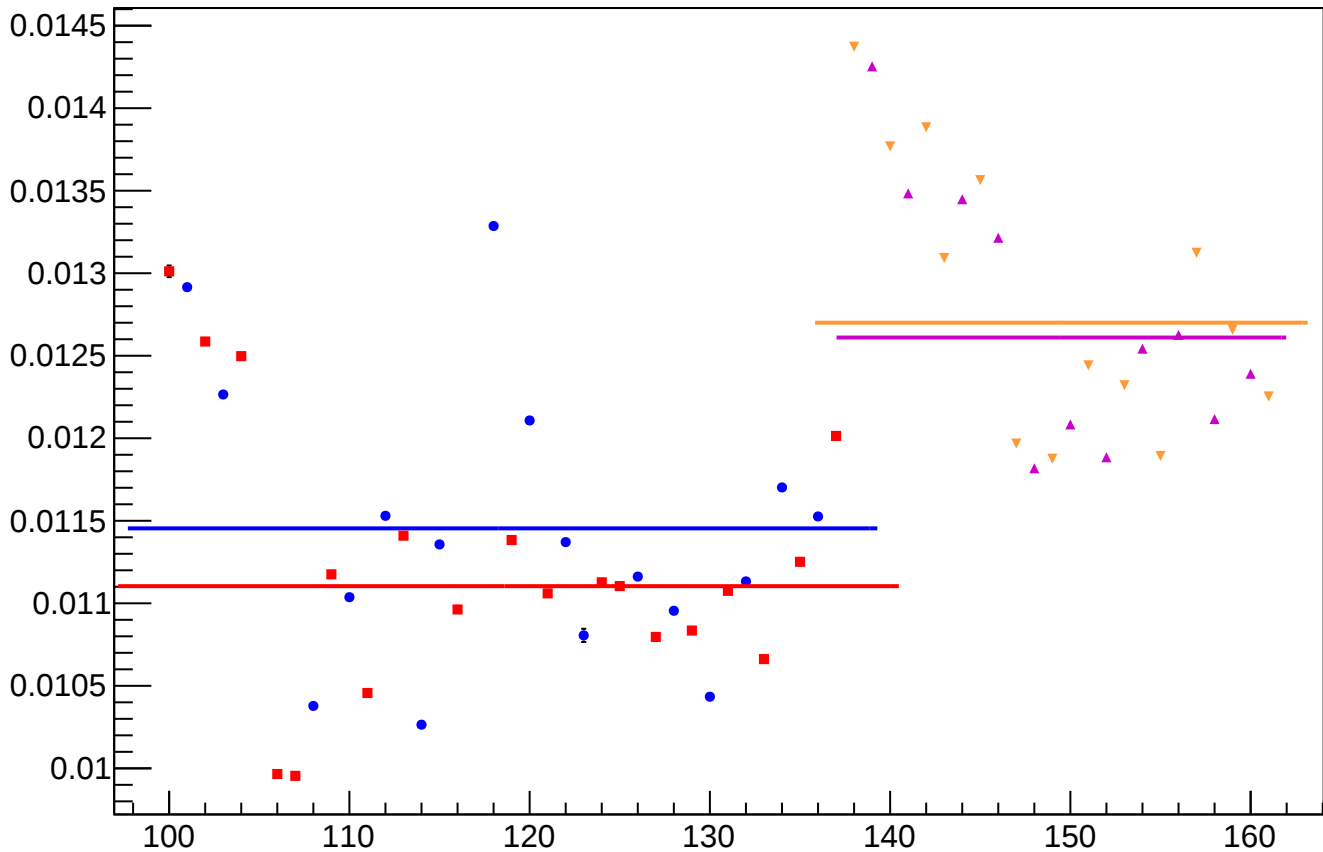
Right Out: -0.482+/-0.000 χ^2/NDF : 2694625740.7/18

Left In: -0.493+/-0.000 χ^2/NDF : 6861828002.5/10

-0.497+/-0.000 χ^2/NDF : 9296322842.1/29

-0.487+/-0.000 χ^2/NDF : 9560059252.2/29

yield_bpm0l07X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 64687.8/16

Left Out: 0.013+/-0.000 χ^2/NDF : 65673.3/12

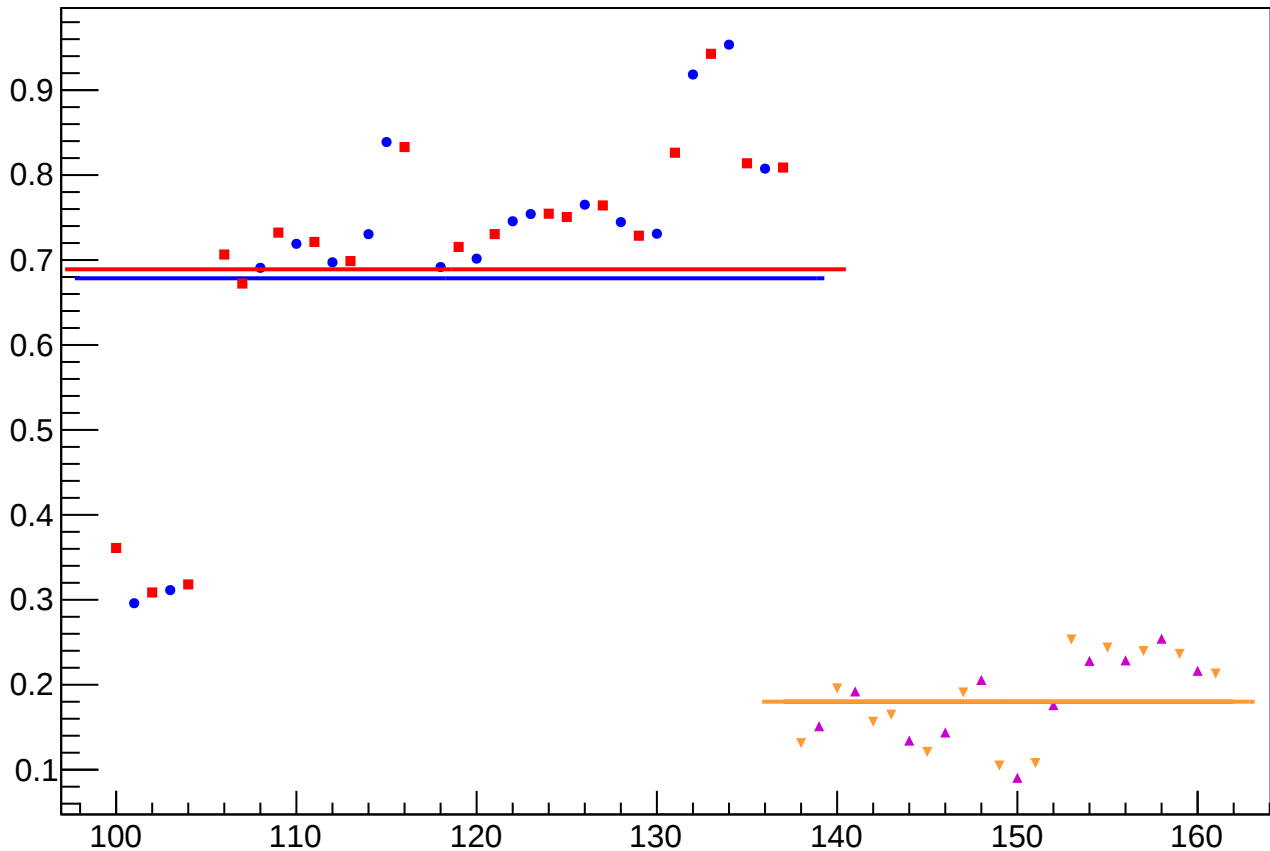
Right Out: 0.011+/-0.000 χ^2/NDF : 56045.0/18

Left In: 0.013+/-0.000 χ^2/NDF : 52605.9/10

0.012+/-0.000 χ^2/NDF : 212636.0/29

0.012+/-0.000 χ^2/NDF : 232785.4/29

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38506442638.3/16

Left Out: 0.180 $\pm$ 0.000 χ^2 /NDF: 5167275440.5/12

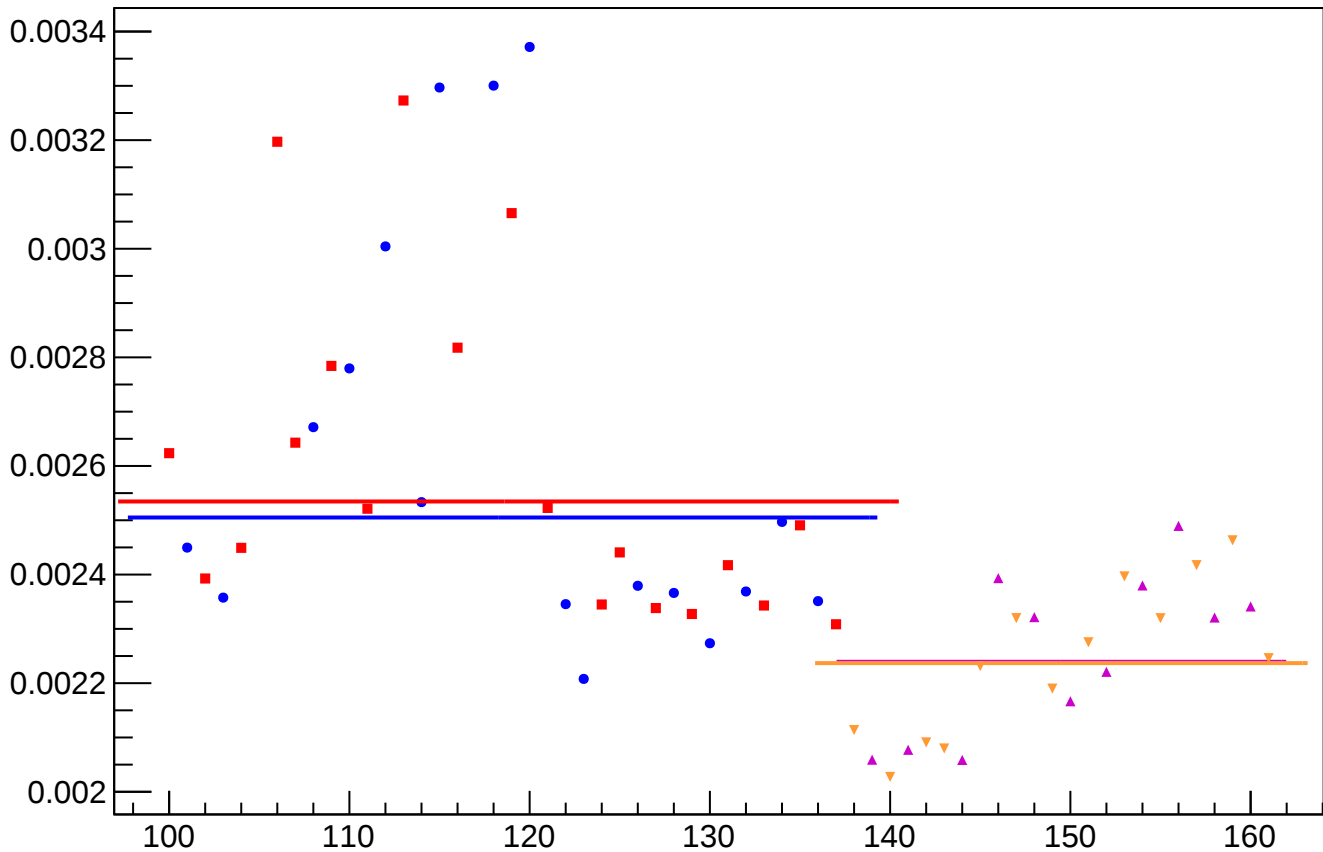
0.353 $\pm$ 0.000 χ^2 /NDF: 208624550266.9/29

Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 35358596931.1/18

0.370 $\pm$ 0.000 χ^2 /NDF: 208961449266.6/29

Left In: 0.180 $\pm$ 0.000 χ^2 /NDF: 4002953905.7/10

yield_bpm0l07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 175524.0/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:68073.8/12

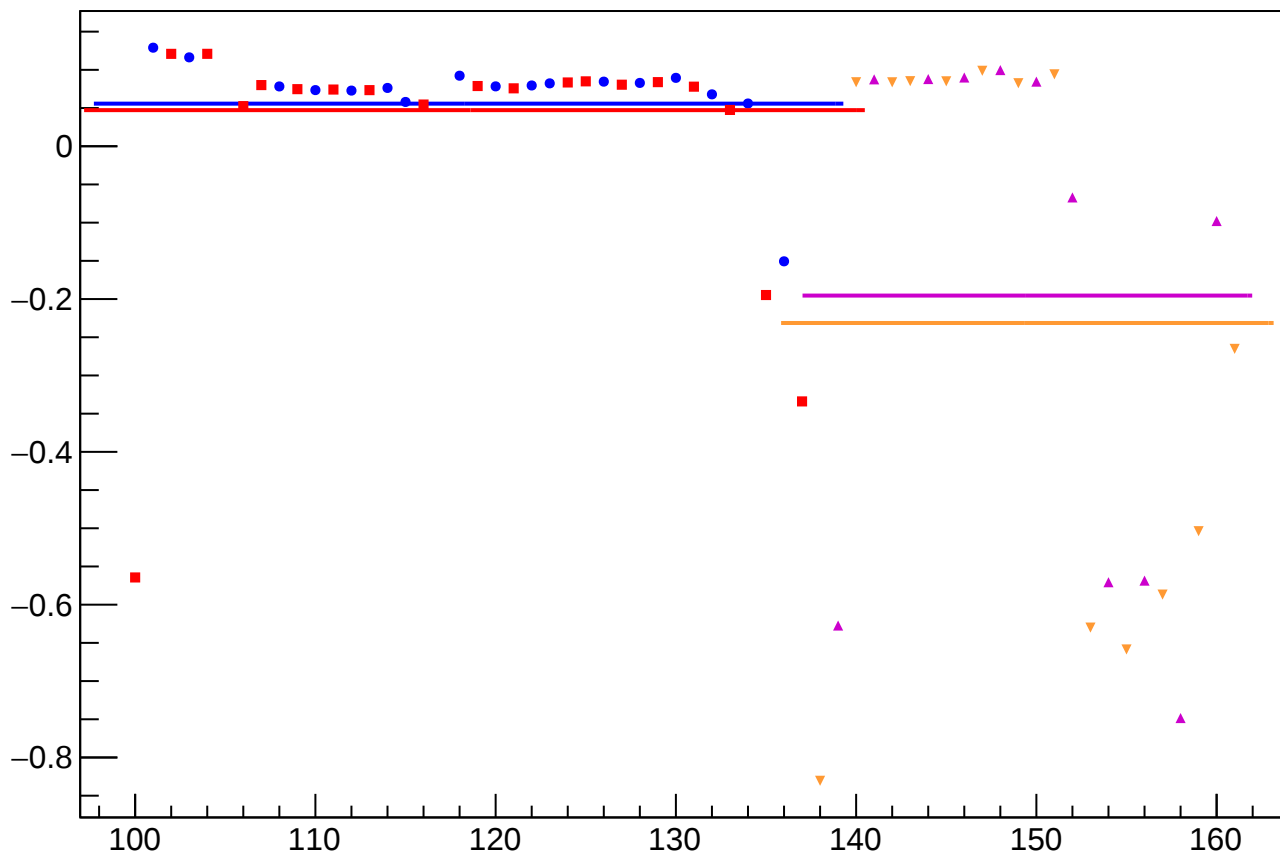
Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 131609.0/18

Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:70845.8/10

0.002 $\pm$ 0.000 χ^2 /NDF: 339082.9/29

0.002 $\pm$ 0.000 χ^2 /NDF: 316562.4/29

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.231+/-0.000 χ^2/NDF : 8395107172.7/12

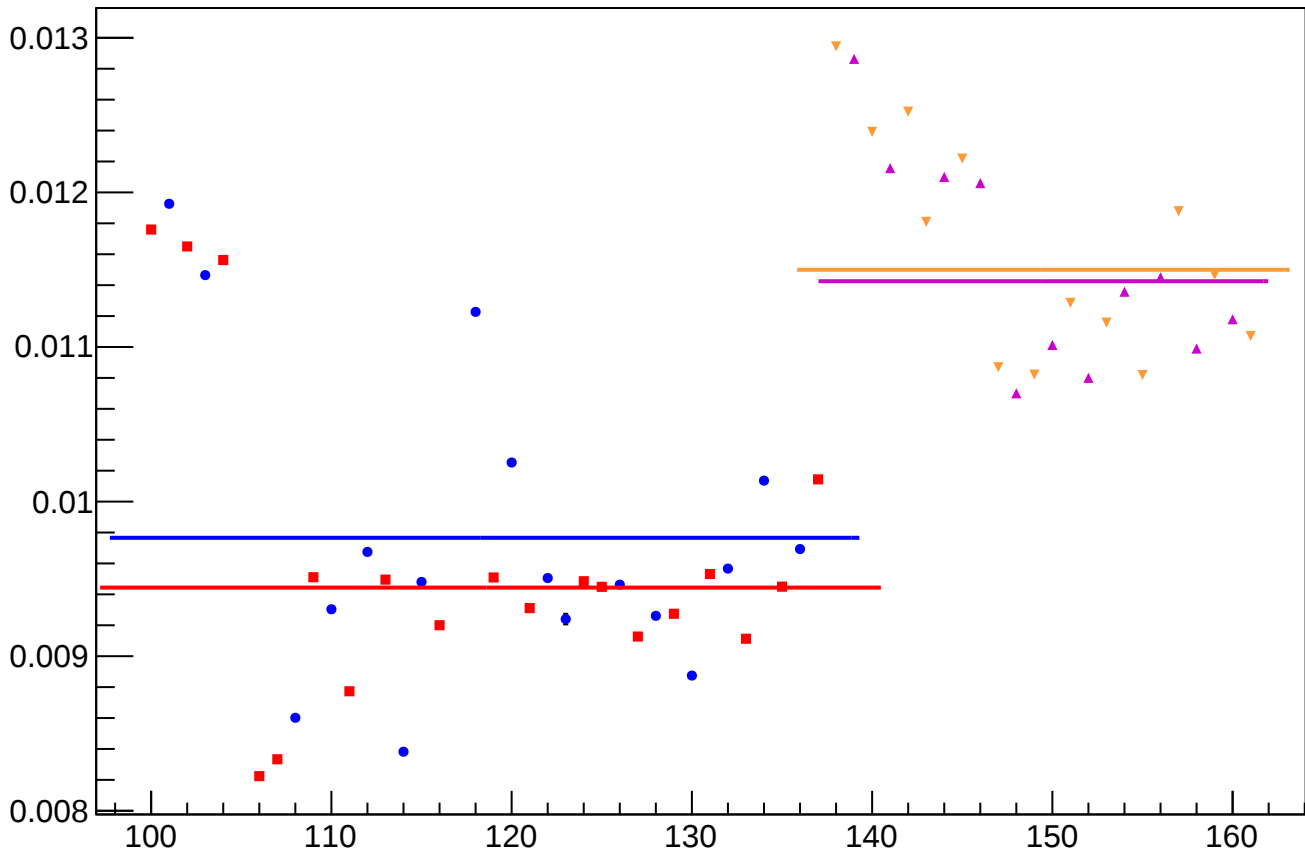
Right Out: 0.047+/-0.000 χ^2/NDF : 819588537.2/18

Left In: -0.195+/-0.000 χ^2/NDF : 7032578125.7/10

-0.090+/-0.000 χ^2/NDF : 11647254716.5/29

-0.063+/-0.000 χ^2/NDF : 9930986517.5/29

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 116638.3/16

Left Out: 0.011+/-0.000 χ^2/NDF : 58638.9/12

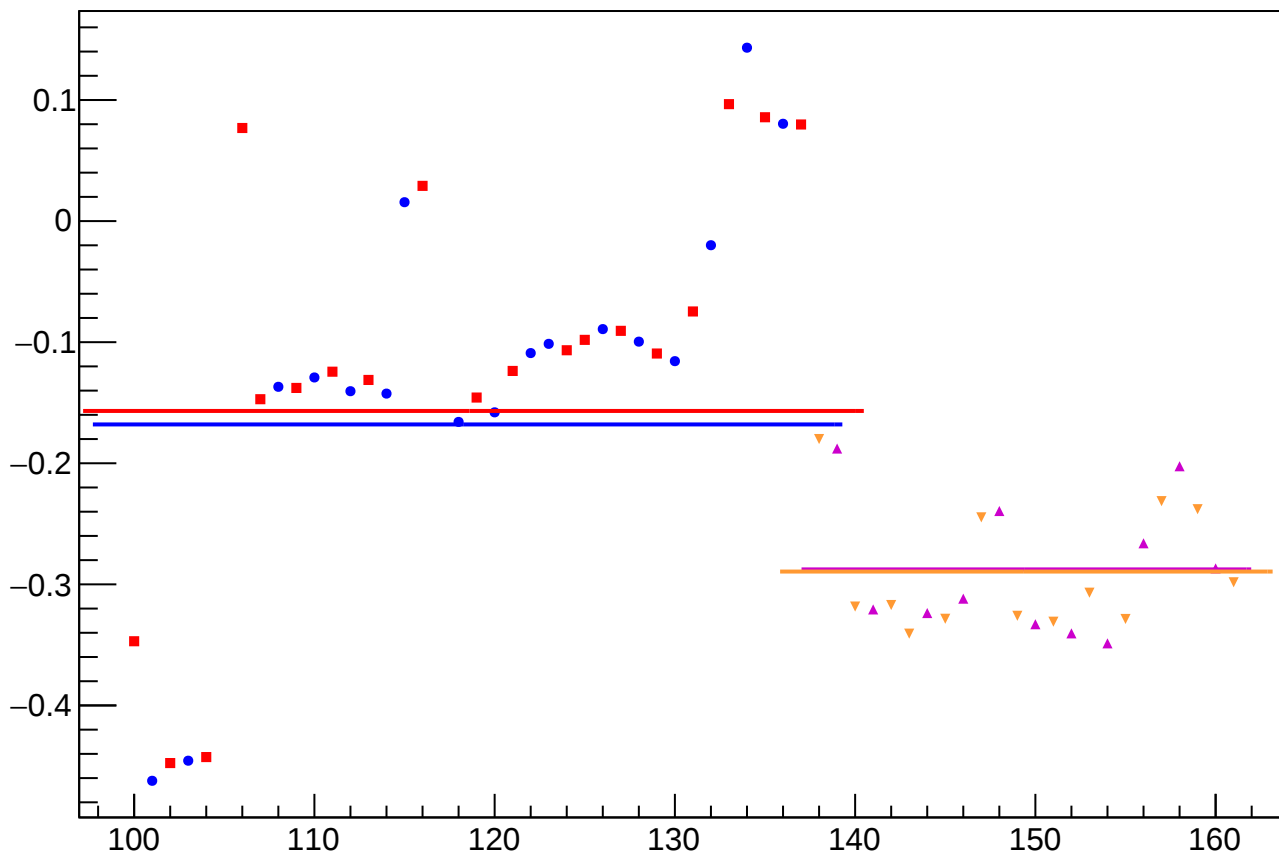
Right Out: 0.009+/-0.000 χ^2/NDF : 110693.8/18

Left In: 0.011+/-0.000 χ^2/NDF : 49277.4/10

0.011+/-0.000 χ^2/NDF : 381621.0/29

0.010+/-0.000 χ^2/NDF : 437177.4/29

yield_bpm0l08Y_mean vs Slug



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.289+/-0.000 χ^2/NDF : 2666721682.1/12

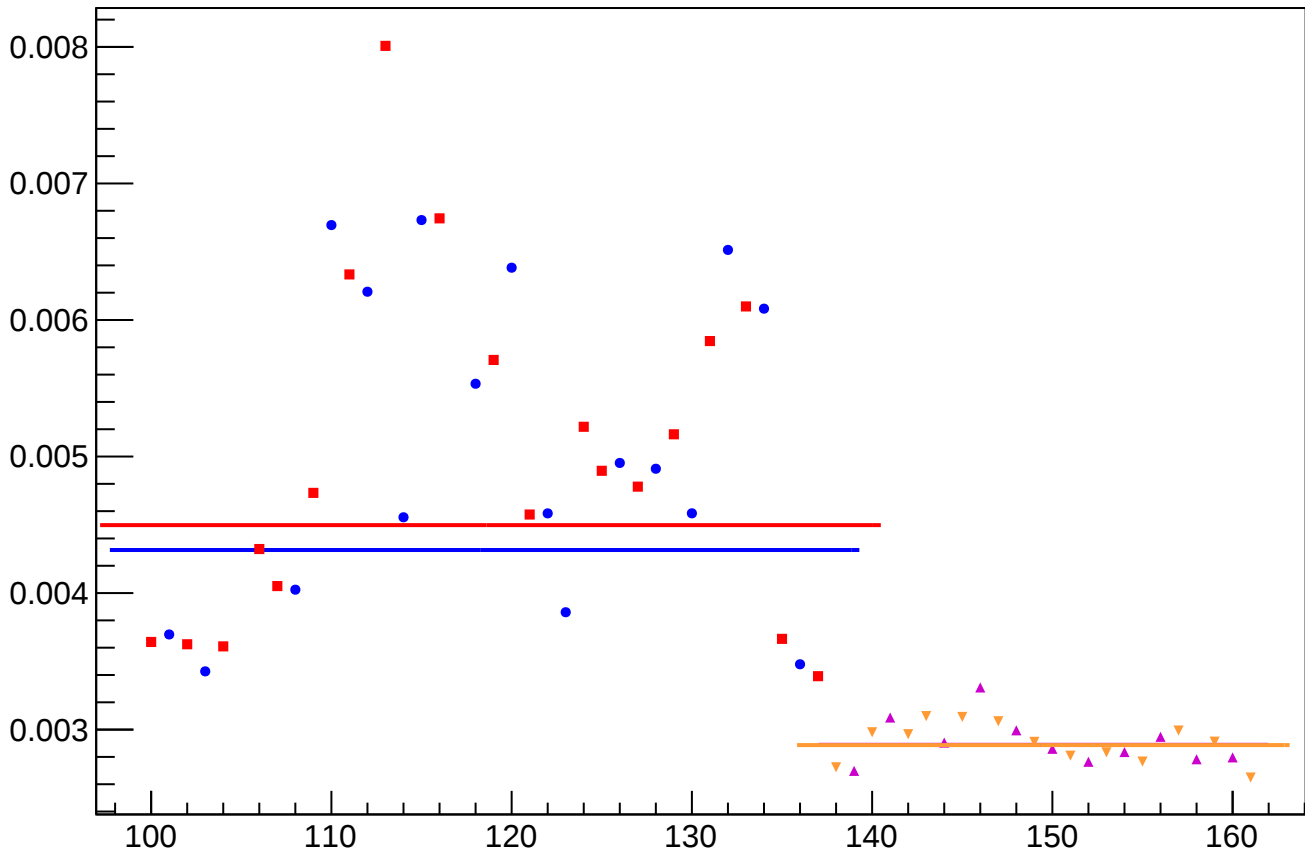
-0.263+/-0.000 χ^2/NDF : 18590690643.4/29

Right Out: -0.157+/-0.000 χ^2/NDF : 11026962470.3/18

-0.257+/-0.000 χ^2/NDF : 18099672326.8/29

Left In: -0.288+/-0.000 χ^2/NDF : 3031652010.2/10

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 :42921.6/12

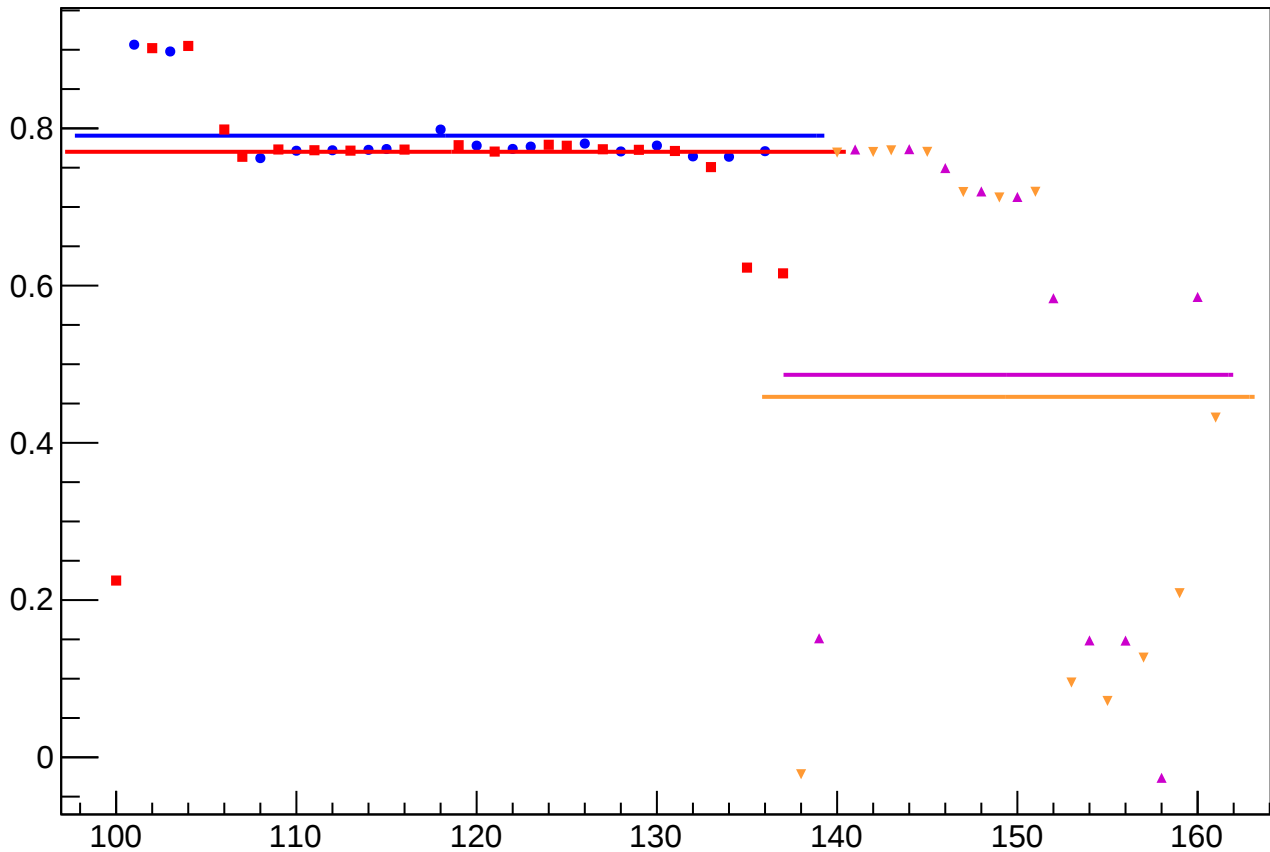
Right Out: 0.004+/-0.000 χ^2/NDF : 649708.4/18

Left In: 0.003+/-0.000 χ^2/NDF :46406.2/10

0.003+/-0.000 χ^2/NDF : 1656143.5/29

0.003+/-0.000 χ^2/NDF : 1918003.9/29

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106705767.1/16

Left Out: 0.458 $\pm$ 0.000 χ^2 /NDF: 6960871978.5/12

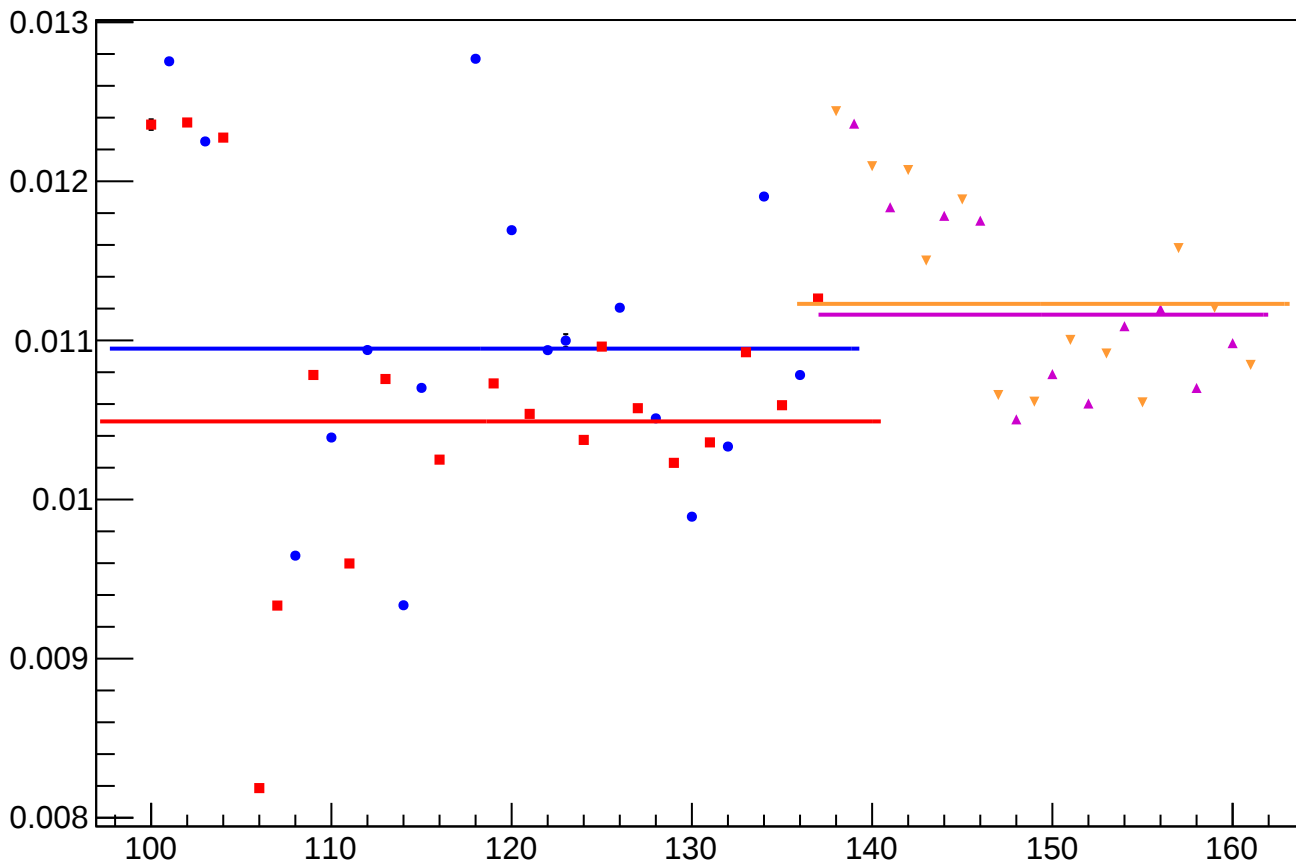
Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375442189.7/18

Left In: 0.487 $\pm$ 0.000 χ^2 /NDF: 5979538091.3/10

0.599 $\pm$ 0.000 χ^2 /NDF: 10500676462.4/29

0.622 $\pm$ 0.000 χ^2 /NDF: 8988286840.5/29

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 : 49581.8/12

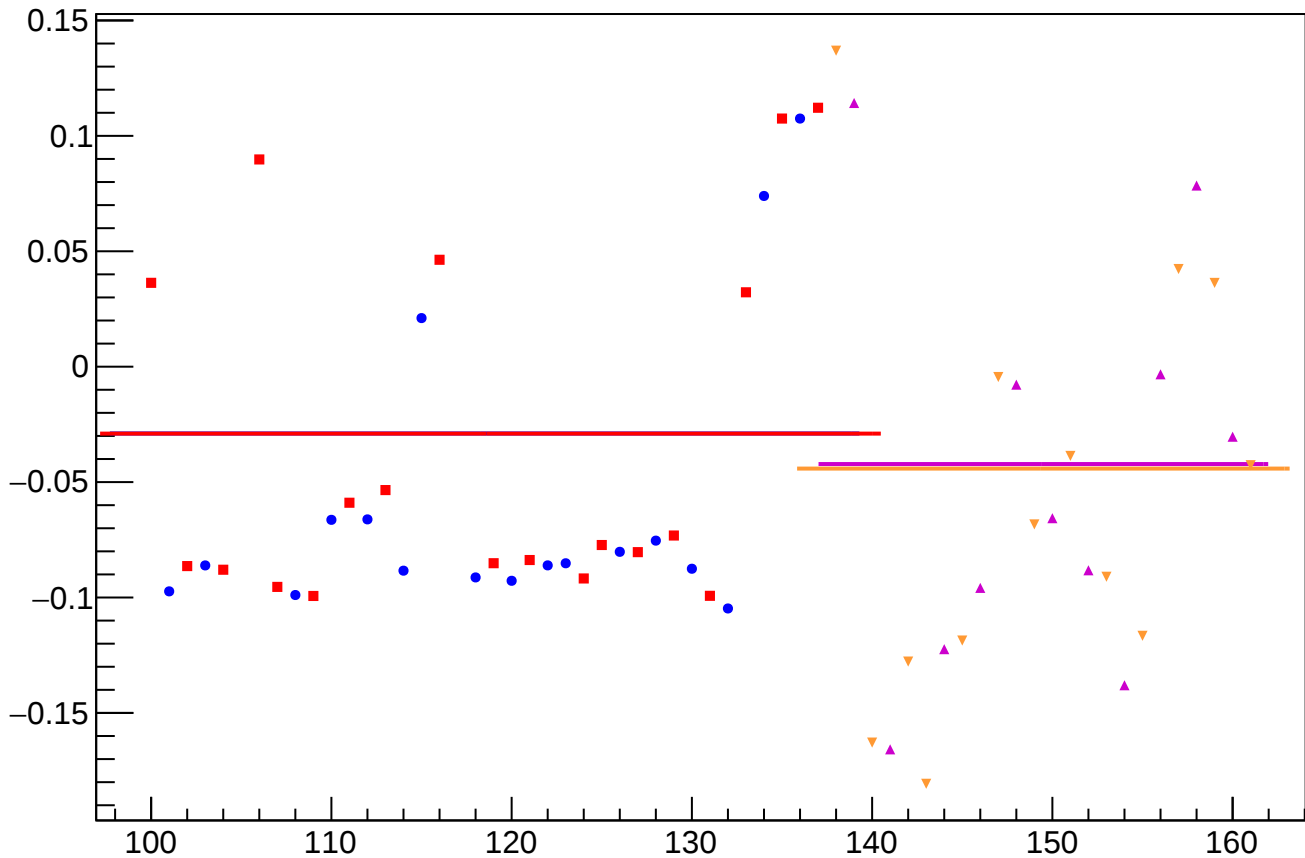
Right Out: 0.010+/-0.000 χ^2/NDF : 119420.8/18

Left In: 0.011+/-0.000 χ^2/NDF : 41943.3/10

0.011+/-0.000 χ^2/NDF : 153056.0/29

0.011+/-0.000 χ^2/NDF : 190817.9/29

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.044+/-0.000 χ^2/NDF : 6595918923.1/12

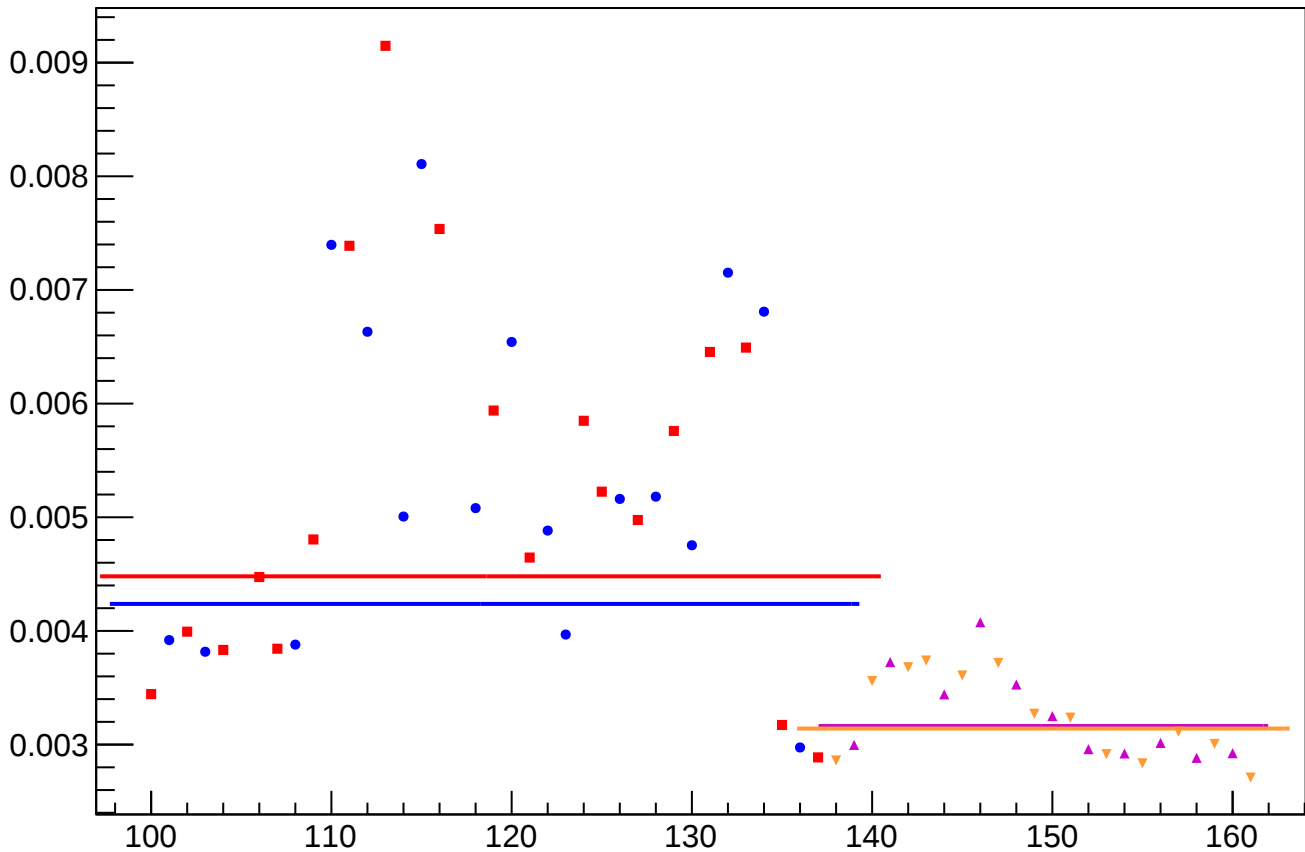
-0.040+/-0.000 χ^2/NDF : 9094578123.7/29

Right Out: -0.029+/-0.000 χ^2/NDF : 2113349669.8/18

-0.039+/-0.000 χ^2/NDF : 7973662380.2/29

Left In: -0.042+/-0.000 χ^2/NDF : 5822972025.0/10

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 :208337.3/12

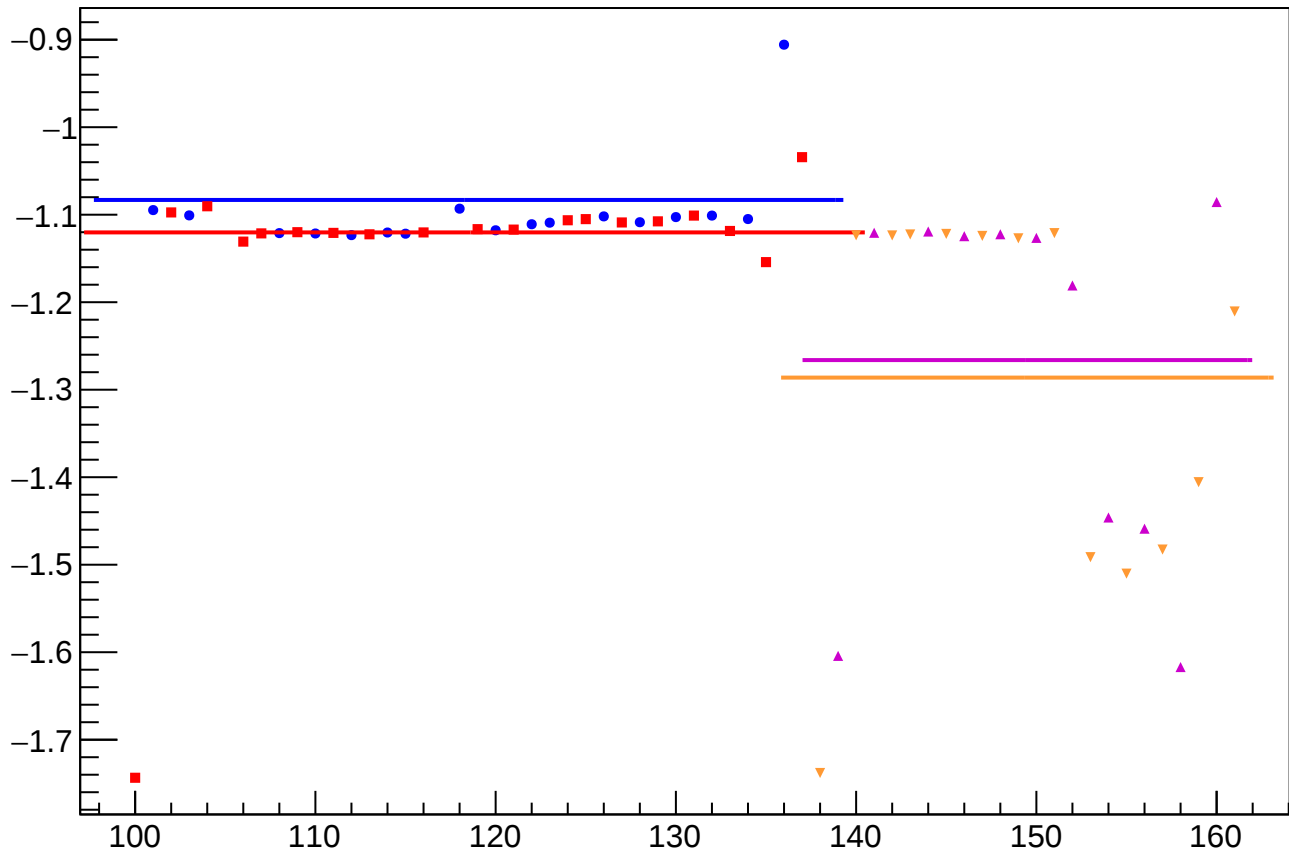
Right Out: 0.004+/-0.000 χ^2/NDF : 984186.1/18

Left In: 0.003+/-0.000 χ^2/NDF :179781.2/10

0.003+/-0.000 χ^2/NDF : 1637991.7/29

0.004+/-0.000 χ^2/NDF : 1909501.2/29

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2/NDF : 202920901.6/16

Left Out: -1.286+/-0.000 χ^2/NDF : 3551759328.9/12

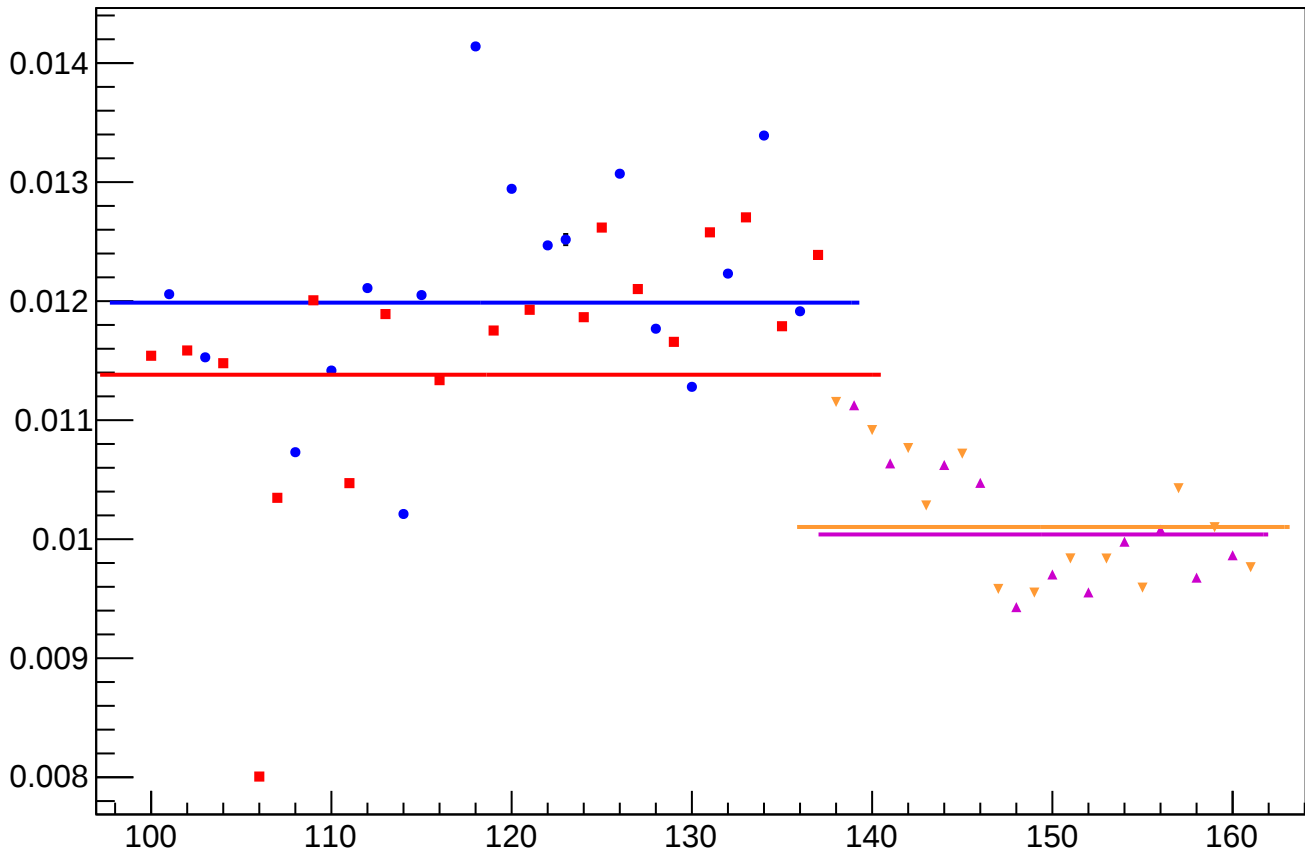
Right Out: -1.120+/-0.000 χ^2/NDF : 220571280.7/18

Left In: -1.266+/-0.000 χ^2/NDF : 3327783446.1/10

-1.220+/-0.000 χ^2/NDF : 4994954089.4/29

-1.210+/-0.000 χ^2/NDF : 4242309303.8/29

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 60402.0/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:48390.0/12

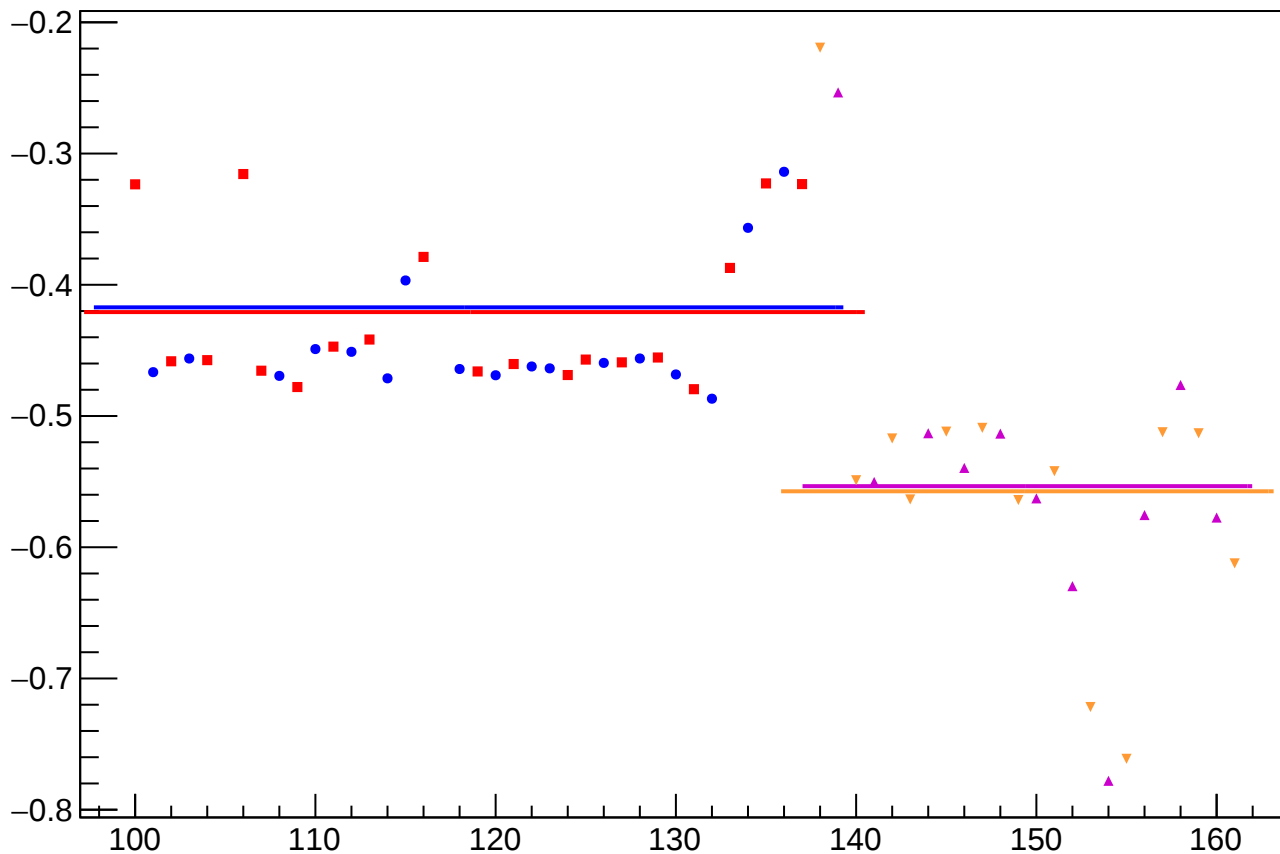
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 154529.8/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:40817.0/10

0.011 $\pm$ 0.000 χ^2 /NDF: 322572.4/29

0.011 $\pm$ 0.000 χ^2 /NDF: 312748.2/29

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.557+/-0.000 χ^2/NDF : 12848962787.3/12

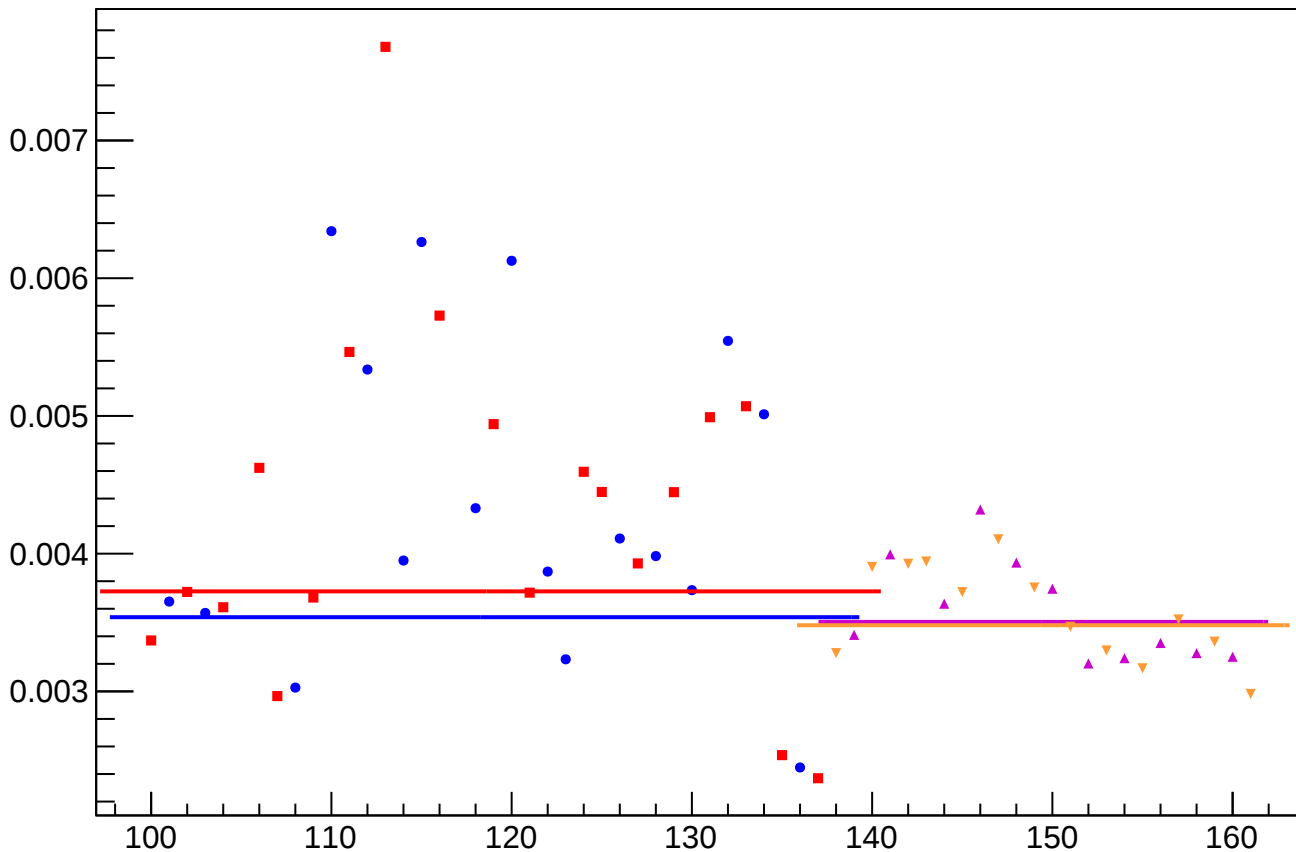
Right Out: -0.421+/-0.000 χ^2/NDF : 1646463410.7/18

Left In: -0.553+/-0.000 χ^2/NDF : 9945668813.8/10

-0.505+/-0.000 χ^2/NDF : 20255967338.4/29

-0.502+/-0.000 χ^2/NDF : 16133898469.1/29

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 836154.0/16

Left Out: 0.003+/-0.000 χ^2/NDF :158852.0/12

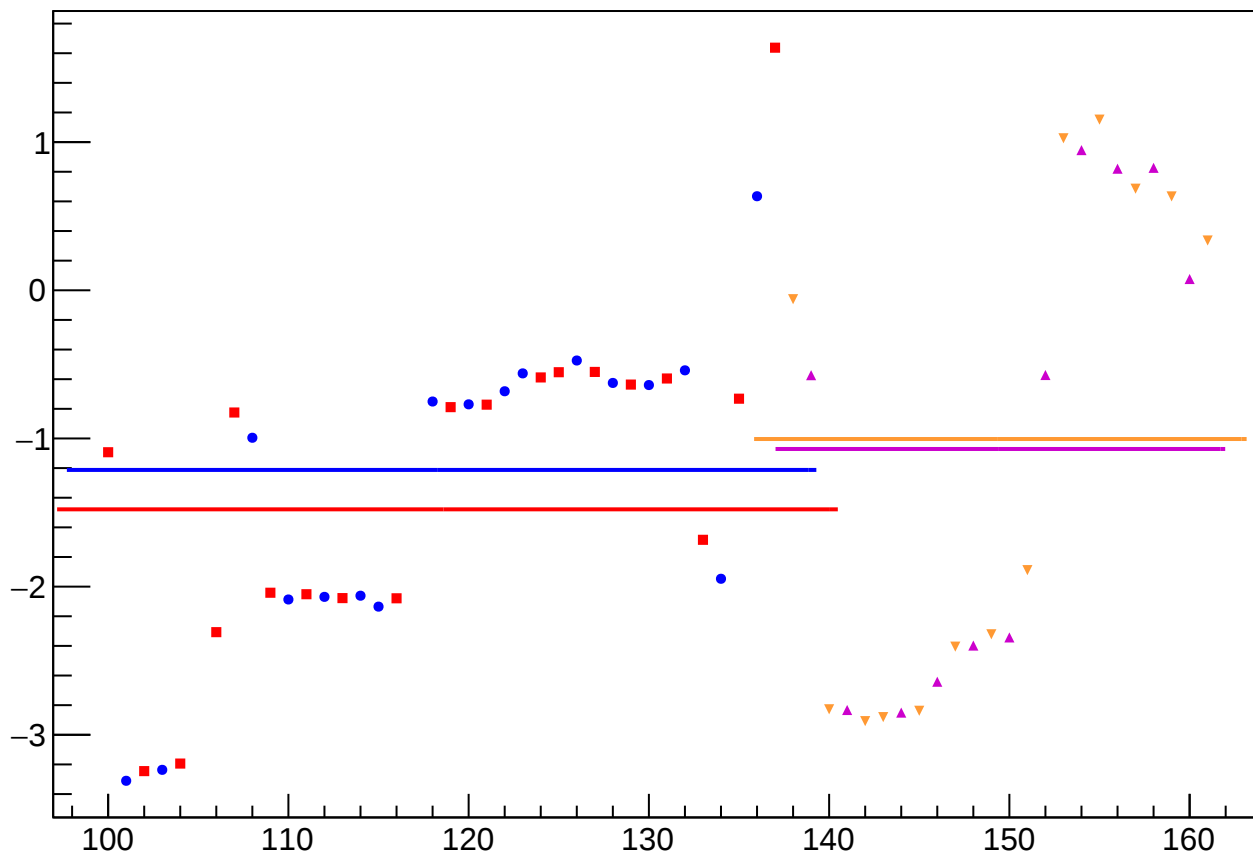
Right Out: 0.004+/-0.000 χ^2/NDF : 898447.6/18

Left In: 0.004+/-0.000 χ^2/NDF :141399.2/10

0.004+/-0.000 χ^2/NDF : 996871.0/29

0.004+/-0.000 χ^2/NDF : 1065218.1/29

yield_bpm0r03X_mean vs Slug



Right In: -1.212 ± 0.000 χ^2/NDF : 1992853443.9/16

Left Out: -1.004 ± 0.000 χ^2/NDF : 4467809453.4/12

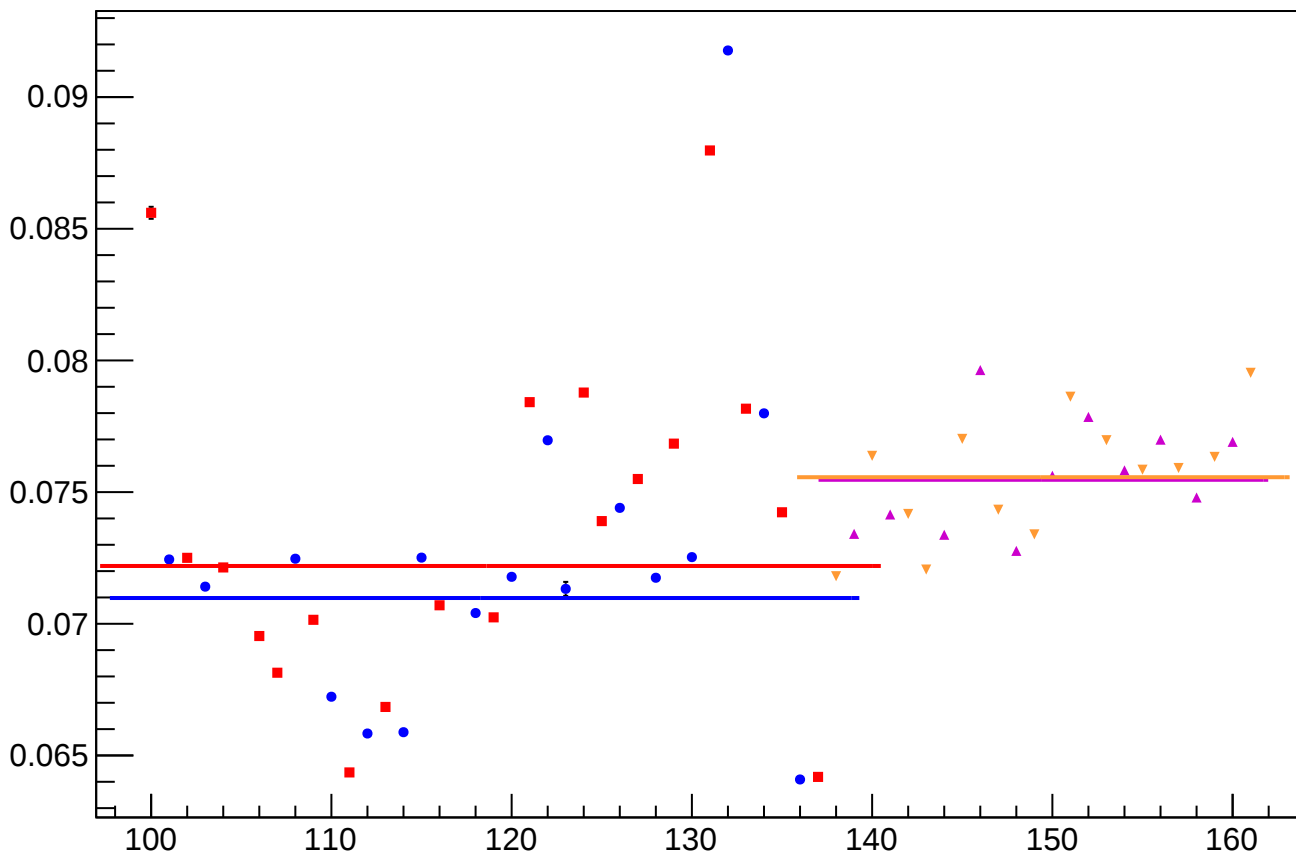
Right Out: -1.478 ± 0.000 χ^2/NDF : 1578264383.8/18

Left In: -1.071 ± 0.000 χ^2/NDF : 3565489574.8/10

-1.095 ± 0.000 χ^2/NDF : 6492588698.2/29

-1.261 ± 0.000 χ^2/NDF : 5262187576.6/29

yield_bpm0r03X_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF : 77589.5/16

Left Out: 0.076+/-0.000 χ^2/NDF : 16870.8/12

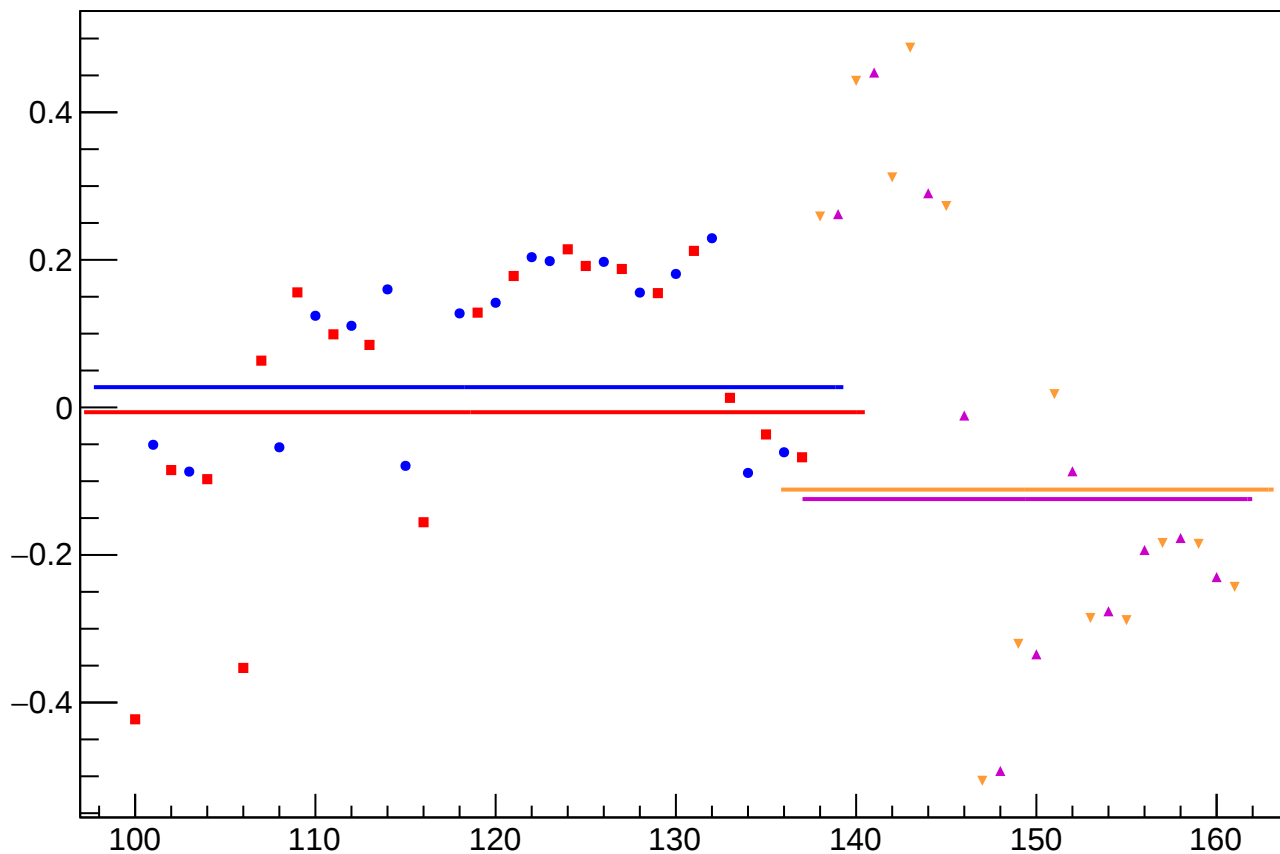
Right Out: 0.072+/-0.000 χ^2/NDF : 73228.9/18

Left In: 0.075+/-0.000 χ^2/NDF : 11994.3/10

0.074+/-0.000 χ^2/NDF : 125325.4/29

0.074+/-0.000 χ^2/NDF : 100510.7/29

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562337631.4/16

Left Out: -0.111+/-0.000 χ^2/NDF : 13482264999.3/12

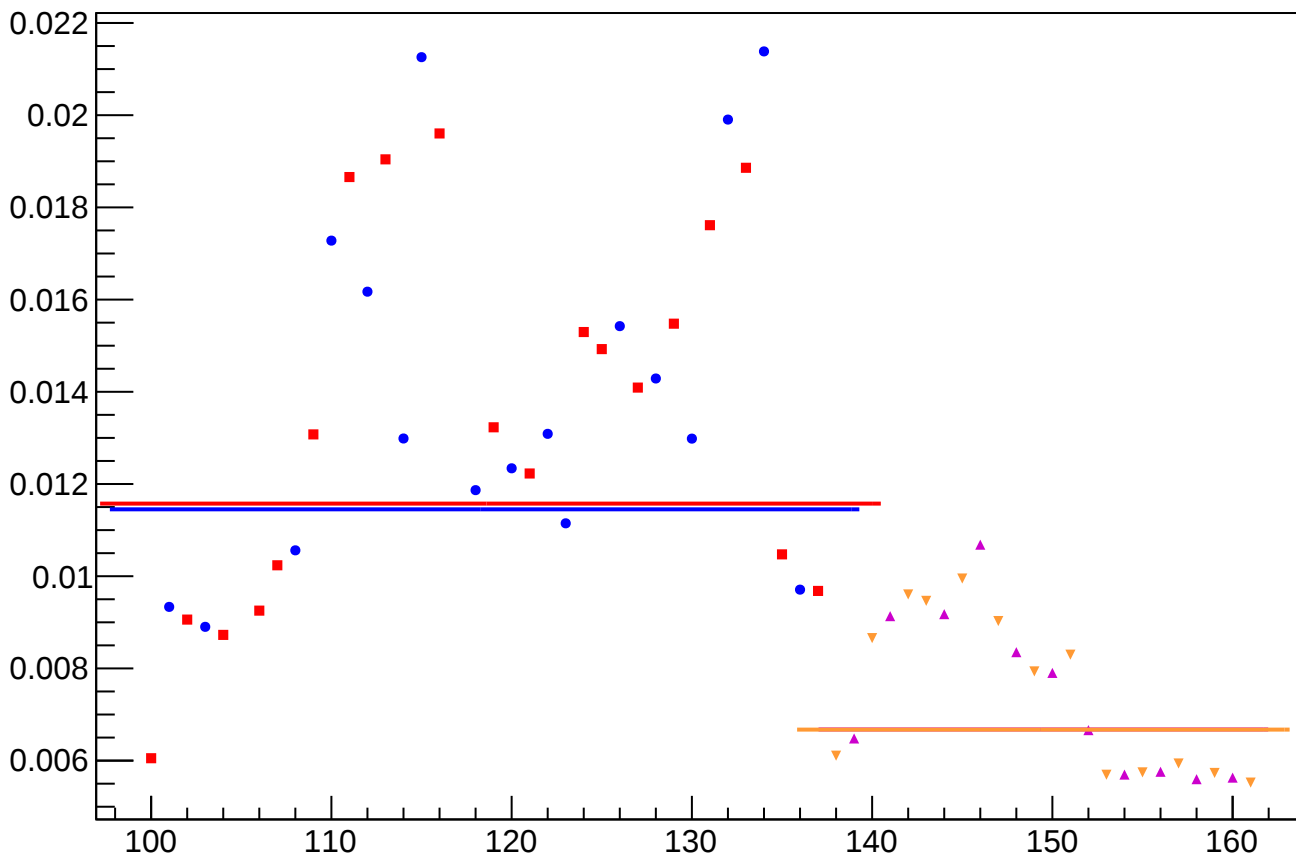
Right Out: -0.007+/-0.000 χ^2/NDF : 1199278894.0/18

Left In: -0.124+/-0.000 χ^2/NDF : 10030024392.4/10

-0.086+/-0.000 χ^2/NDF : 14734475499.8/29

-0.101+/-0.000 χ^2/NDF : 11721674836.4/29

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 : 813817.8/12

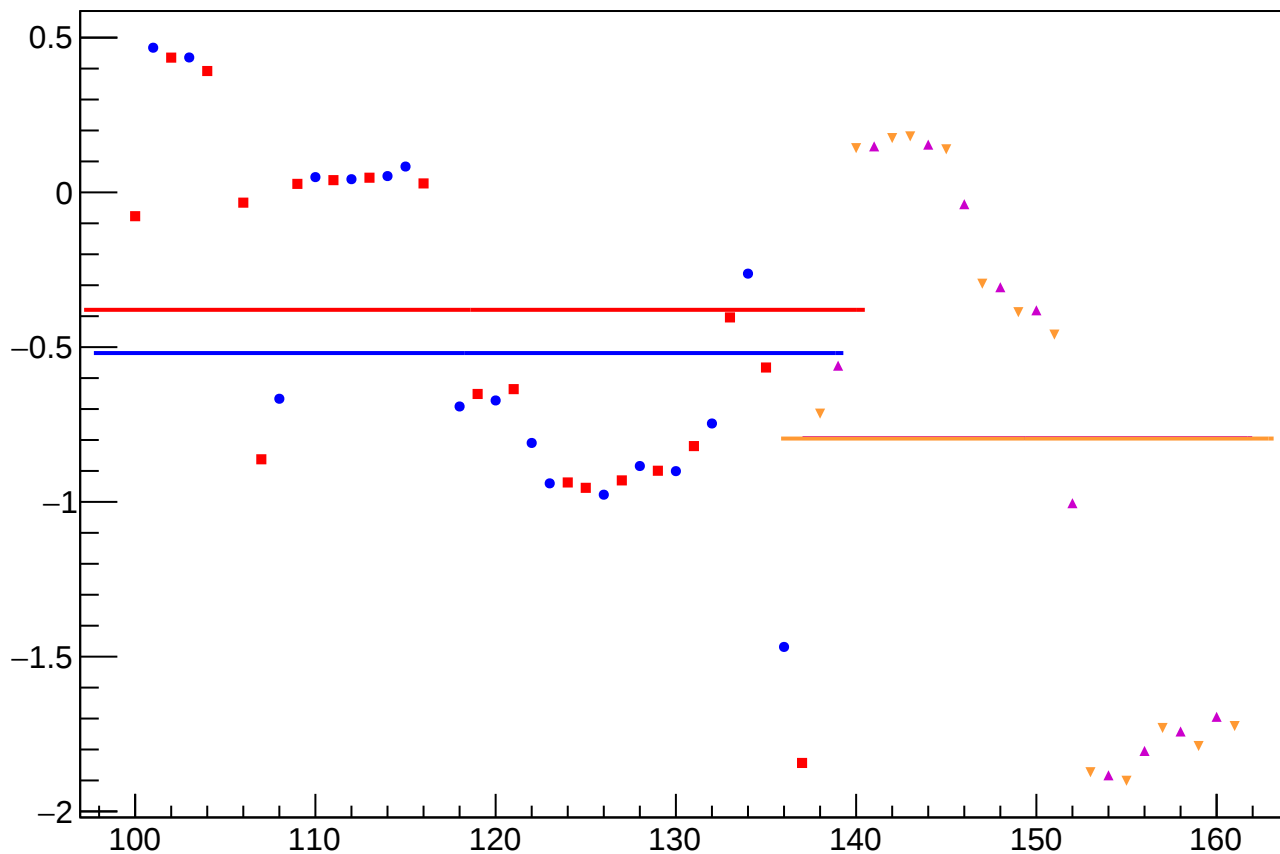
Right Out: 0.012+/-0.000 χ^2/NDF : 997161.1/18

Left In: 0.007+/-0.000 χ^2/NDF : 712298.6/10

0.008+/-0.000 χ^2/NDF : 3127587.0/29

0.008+/-0.000 χ^2/NDF : 3414178.3/29

yield_bpm0r05X_mean vs Slug



Right In: -0.519+/-0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.795+/-0.000 χ^2/NDF : 868323506.7/12

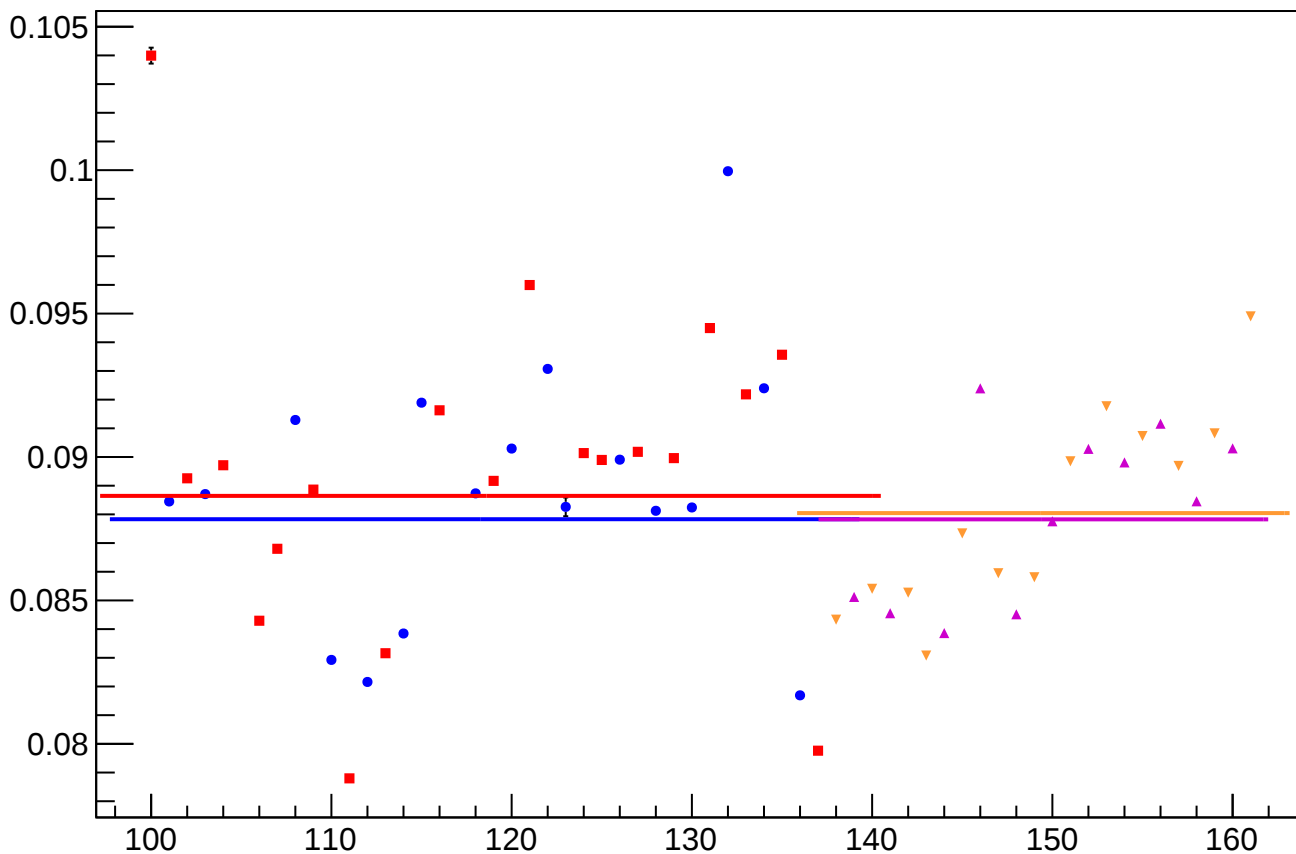
Right Out: -0.379+/-0.000 χ^2/NDF : 268621179.0/18

Left In: -0.794+/-0.000 χ^2/NDF : 712396034.2/10

-0.682+/-0.000 χ^2/NDF : 1246770202.4/29

-0.611+/-0.000 χ^2/NDF : 1067727020.6/29

yield_bpm0r05X_rms vs Slug



Right In: 0.088 $\pm$ 0.000 χ^2/NDF : 34954.4/16

Left Out: 0.088 $\pm$ 0.000 χ^2/NDF : 27009.4/12

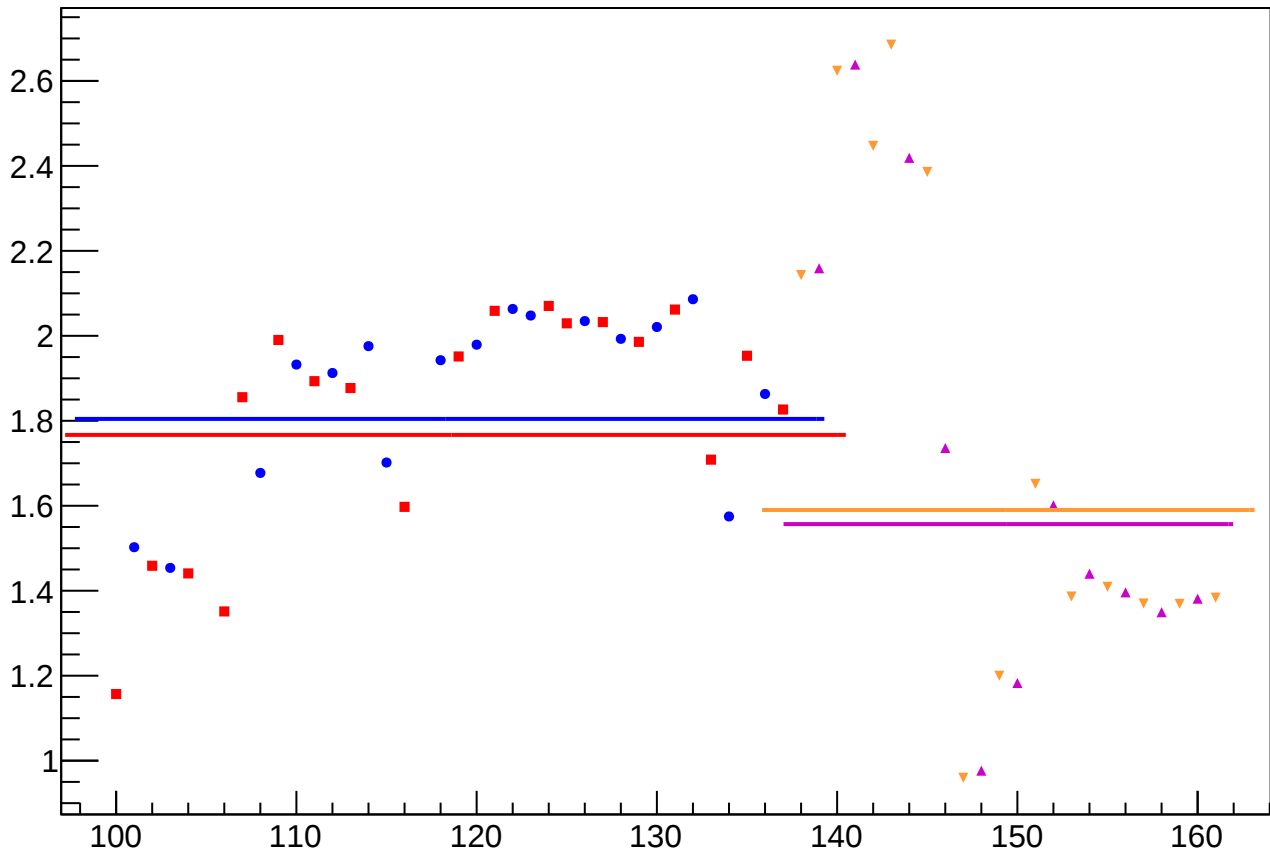
Right Out: 0.089 $\pm$ 0.000 χ^2/NDF : 39722.9/18

Left In: 0.088 $\pm$ 0.000 χ^2/NDF : 19355.2/10

0.088 $\pm$ 0.000 χ^2/NDF : 62010.6/29

0.088 $\pm$ 0.000 χ^2/NDF : 59755.7/29

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156747883.2/16

Left Out: 1.590 $\pm$ 0.000 χ^2 /NDF: 22599966123.9/12

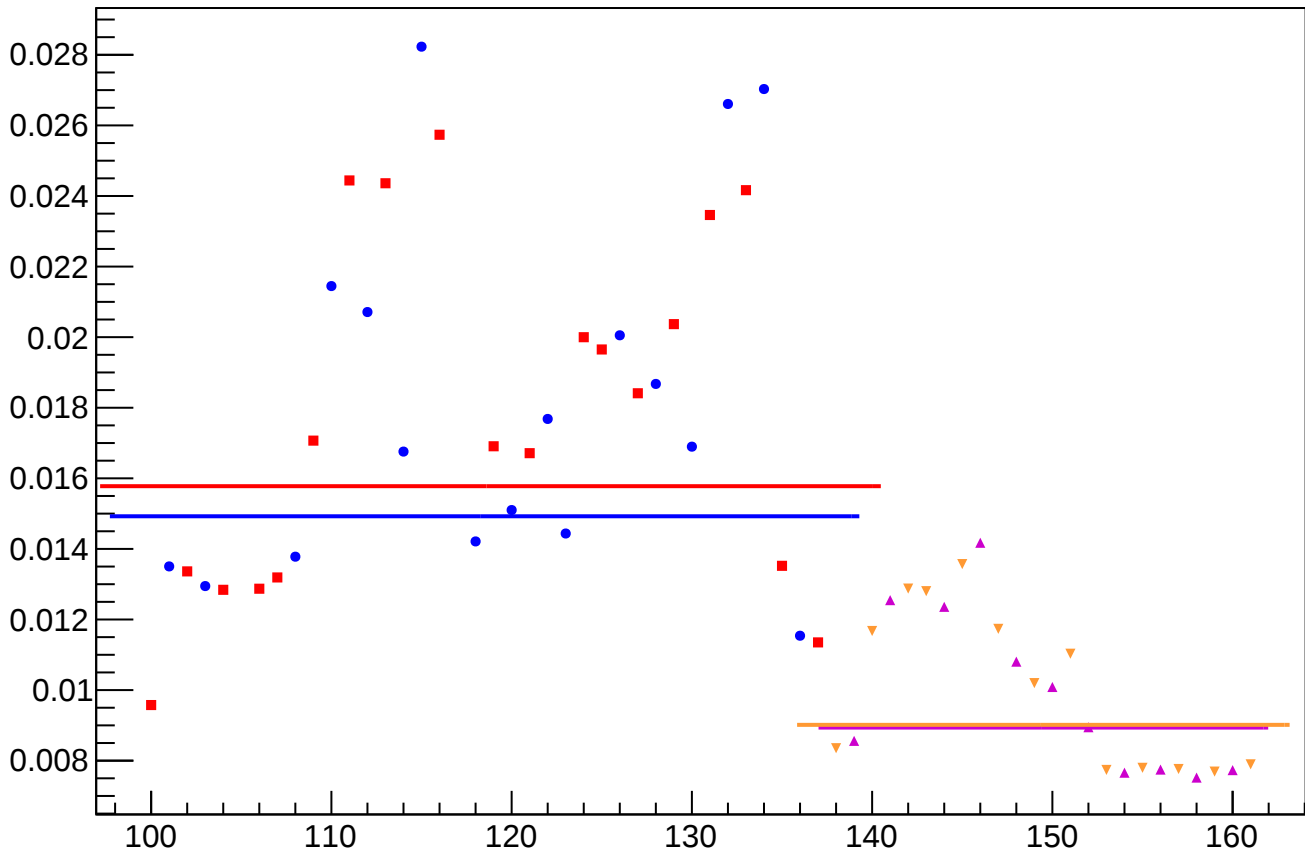
Right Out: 1.767 $\pm$ 0.000 χ^2 /NDF: 1709259284.5/18

Left In: 1.557 $\pm$ 0.000 χ^2 /NDF: 17568597516.4/10

1.631 $\pm$ 0.000 χ^2 /NDF: 24715333703.1/29

1.597 $\pm$ 0.000 χ^2 /NDF: 20140263920.2/29

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 : 751671.5/12

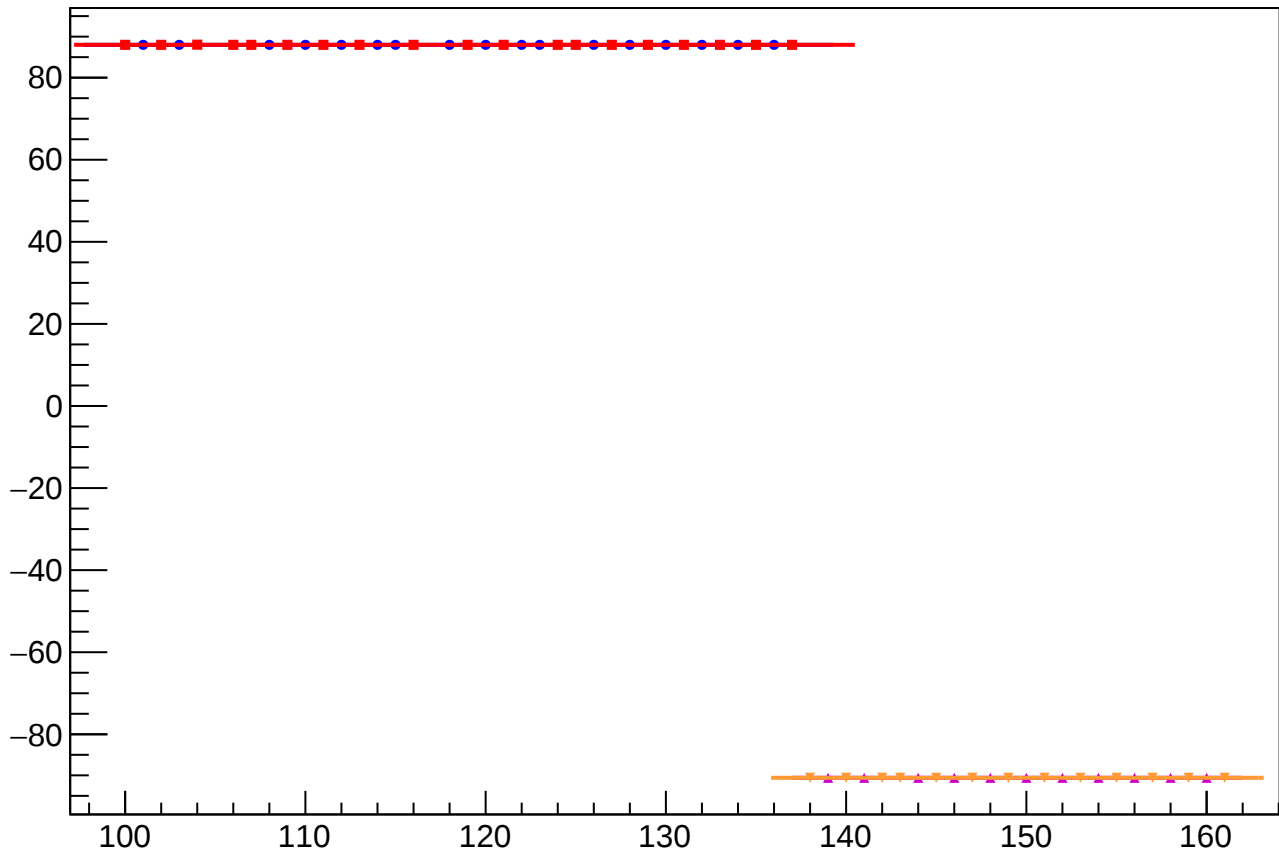
Right Out: 0.016+/-0.000 χ^2/NDF : 786107.1/18

Left In: 0.009+/-0.000 χ^2/NDF : 674032.7/10

0.010+/-0.000 χ^2/NDF : 2853103.0/29

0.010+/-0.000 χ^2/NDF : 3290675.7/29

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 : 3872360.4/12

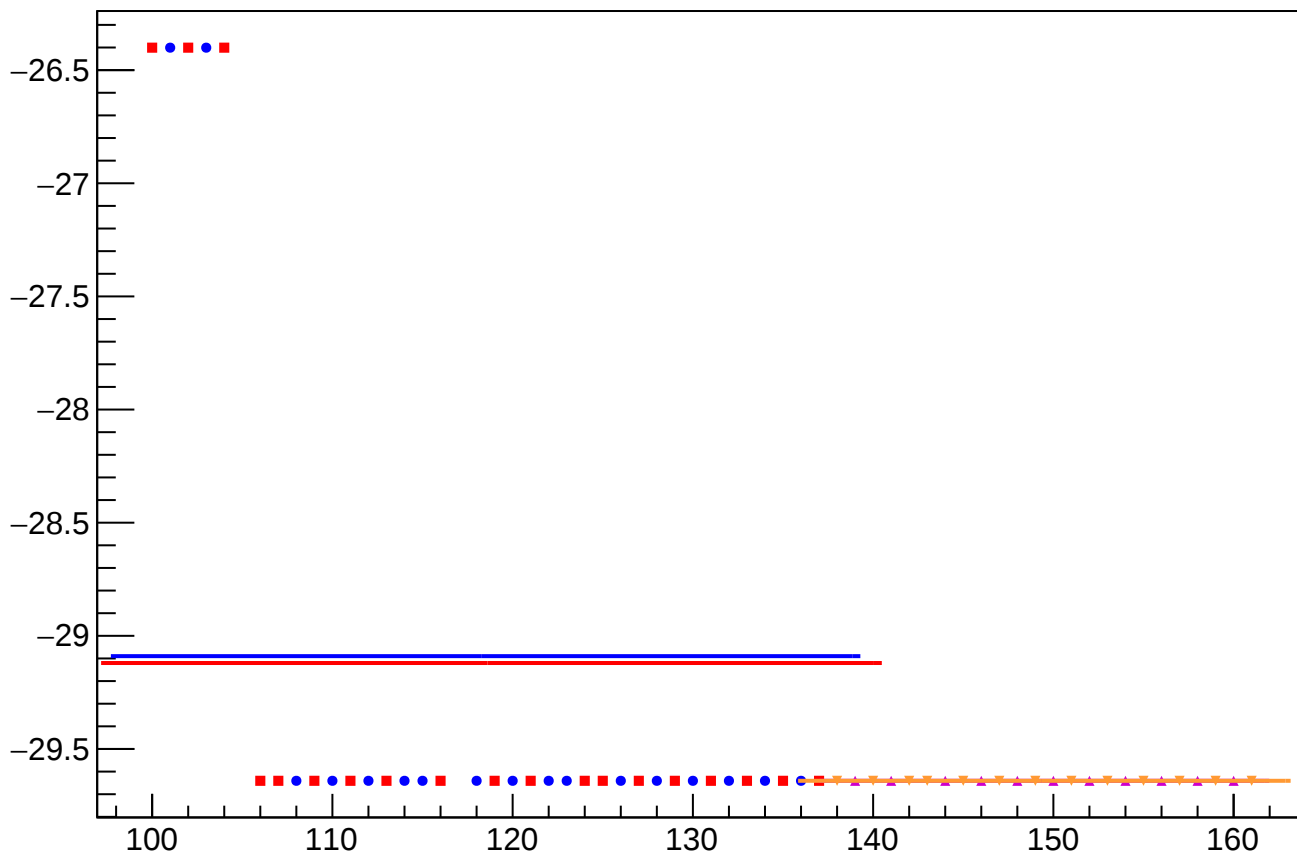
-17.774+/-0.000 χ^2/NDF : 13110623803713262

Right Out: 88.004+/-0.000 χ^2/NDF : 77545892857504626270604886016.0/18

-12.305+/-0.000 χ^2/NDF : 12934872077714041

Left In: -90.599+/-0.000 χ^2/NDF : 1097993.4/10

epics_HWienAngles_mean vs Slug



Right In: -29.090+/-0.000 χ^2/NDF : 1028099246109521929793835198578688.0/16

Left Out: -29.641+/-0.000 χ^2/NDF : 179948.6/12

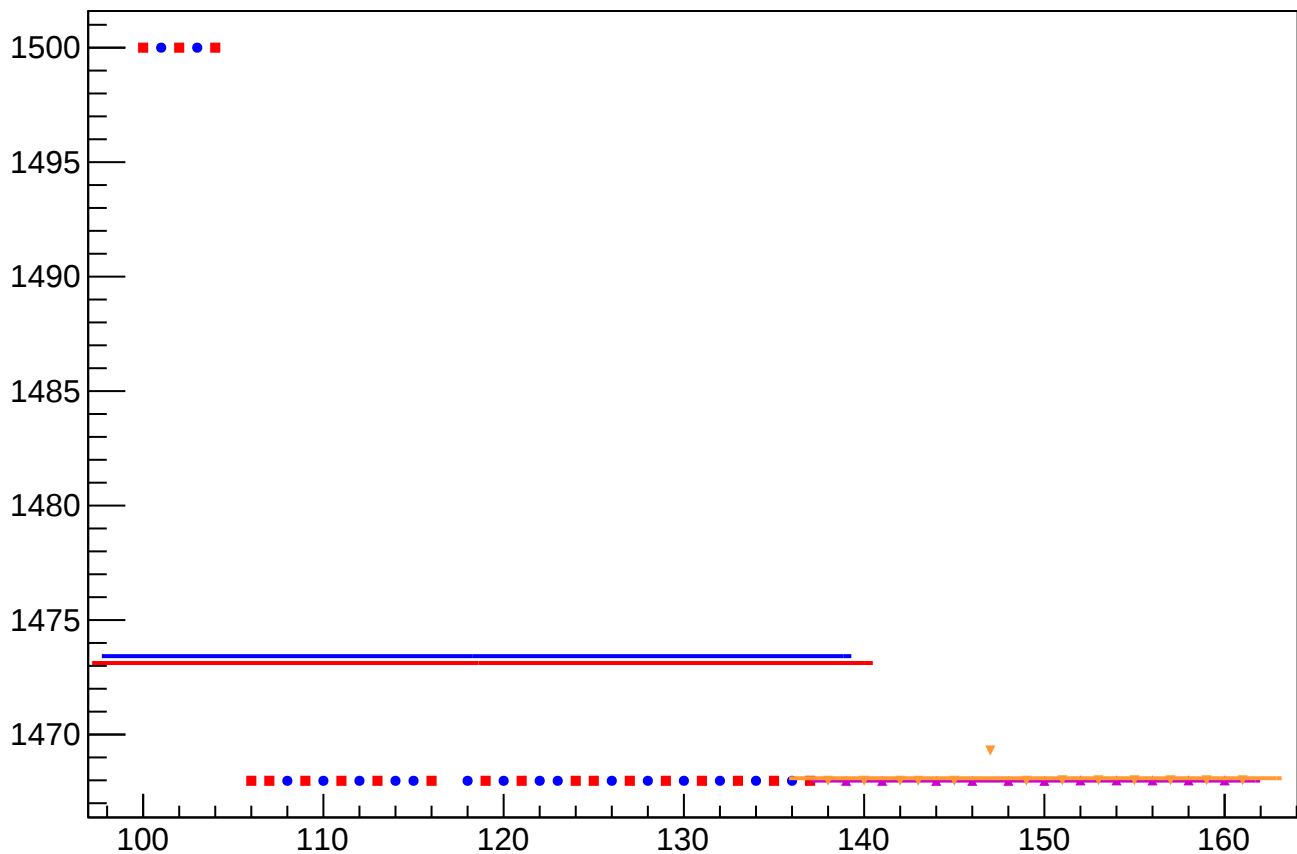
Right Out: -29.120+/-0.000 χ^2/NDF : 1022076578393359839206130891882496.0/18

Left In: -29.641+/-0.000 χ^2/NDF : 63512.8/10

-29.416+/-0.000 χ^2/NDF : 11528363168037504

-29.413+/-0.000 χ^2/NDF : 11319561442622754

epics_psub_pl_poss_mean vs Slug



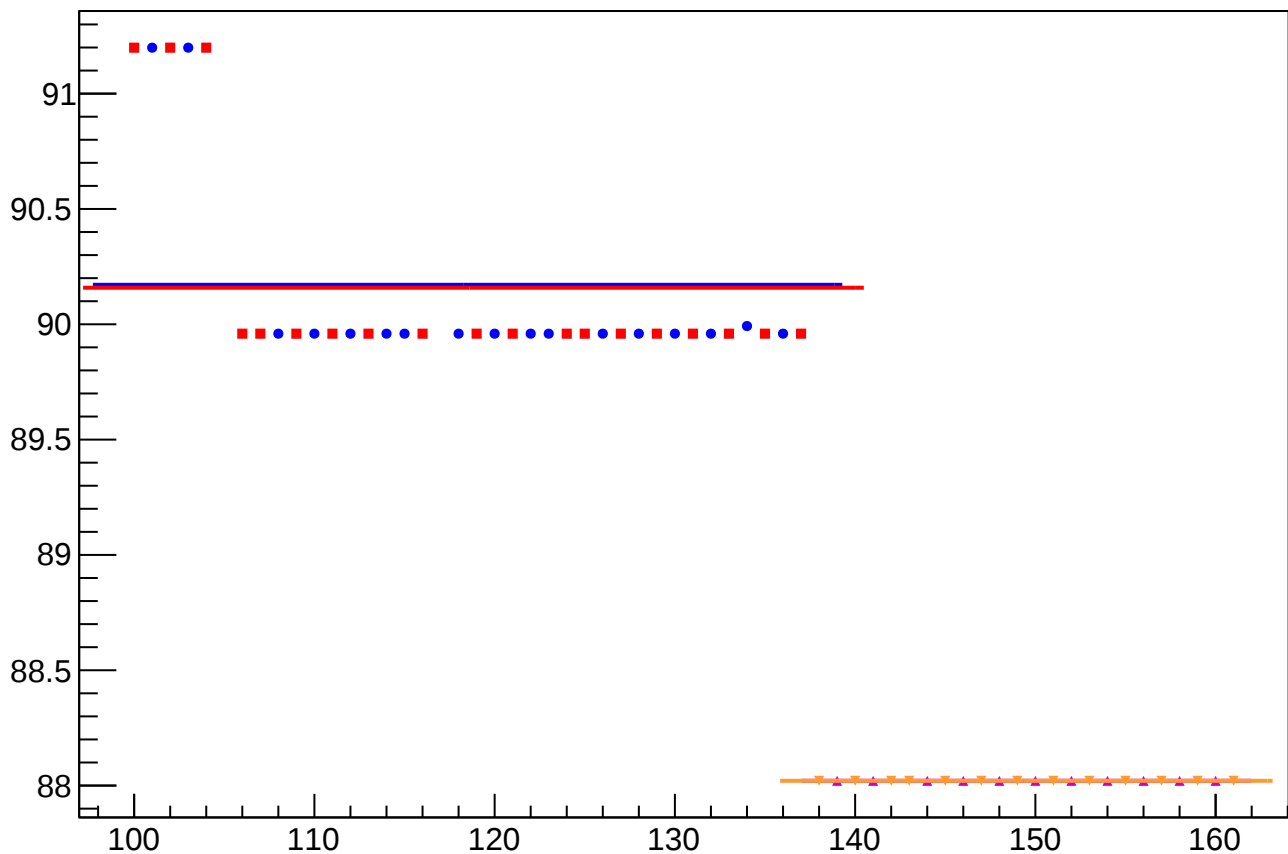
Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1468.091+/-0.000 χ^2/NDF : 123899422189392755615913331392512.0/12

Right Out: 1473.124+/-0.000 χ^2/NDF : 99833021788859785886082809393577984.0/18

Left In: 1467.988+/-0.000 χ^2/NDF : 91859026999422207875784638464.0/10

epics_Phi_FGs_mean vs Slug



Right In: 90.171+/-0.000 χ^2/NDF : 150316905454500935857801185460224.0/16

Left Out: 88.021+/-0.000 χ^2/NDF : 3134642.9/12

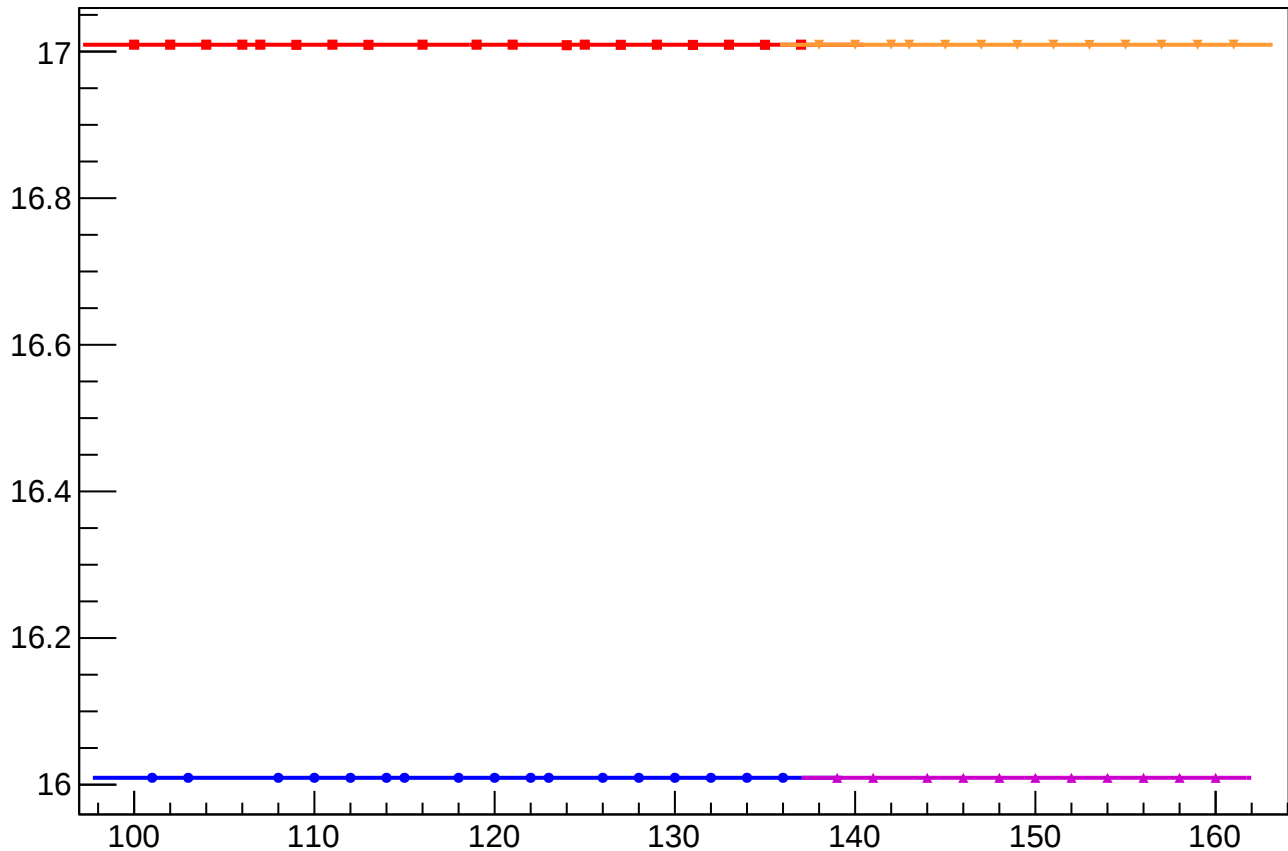
Right Out: 90.159+/-0.000 χ^2/NDF : 149705165651000025160777180643328.0/18

Left In: 88.021+/-0.000 χ^2/NDF : 1318117.2/10

88.898+/-0.000 χ^2/NDF : 20510050975162365

88.958+/-0.000 χ^2/NDF : 200292458104878015

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: 11943174513703878800703488.0/12

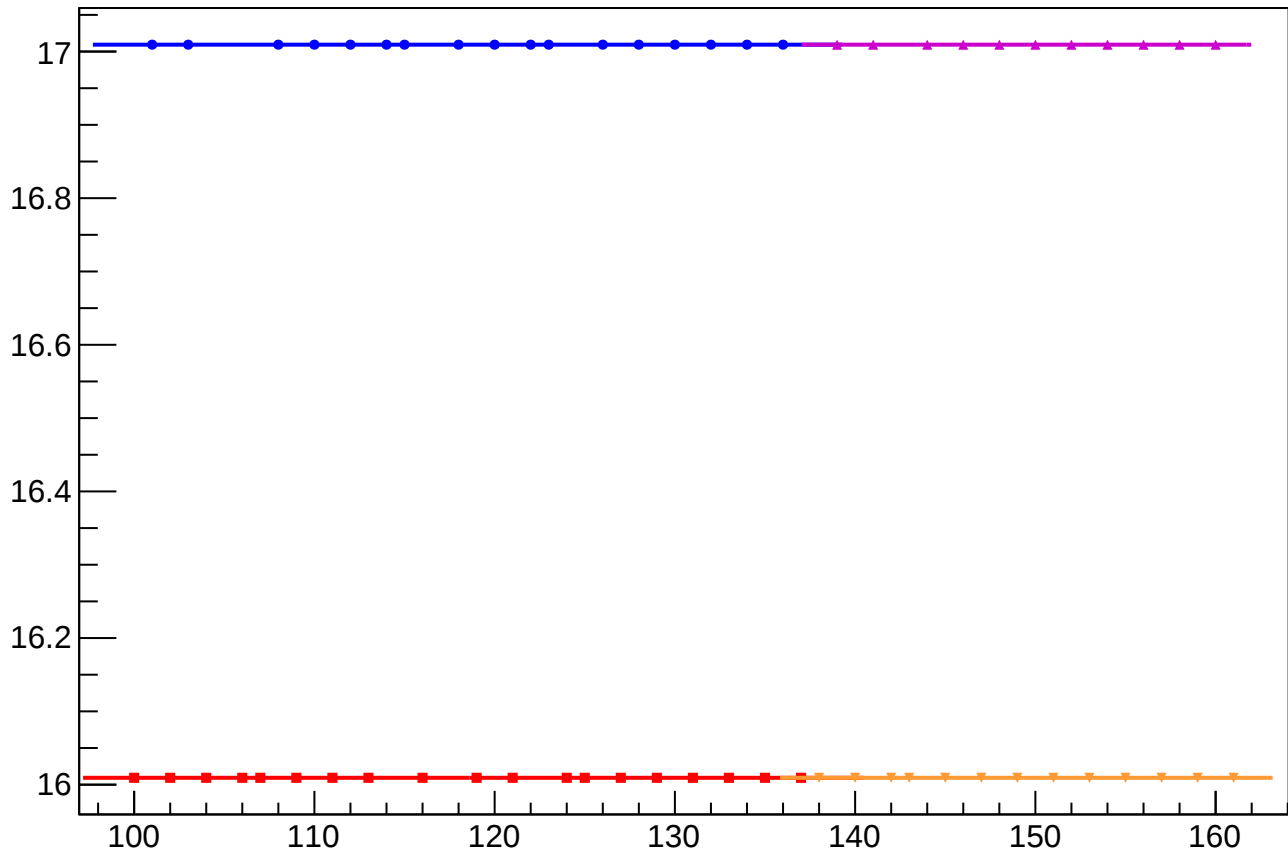
Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 12516014336037541461884928.0/18

Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 36653.6/10

16.587 $\pm$ 0.000 χ^2 /NDF: 382221055024306042

16.439 $\pm$ 0.000 χ^2 /NDF: 372725225154785970

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 132629.6/16

Left Out: 16.009+/-0.000 χ^2/NDF : 40881.9/12

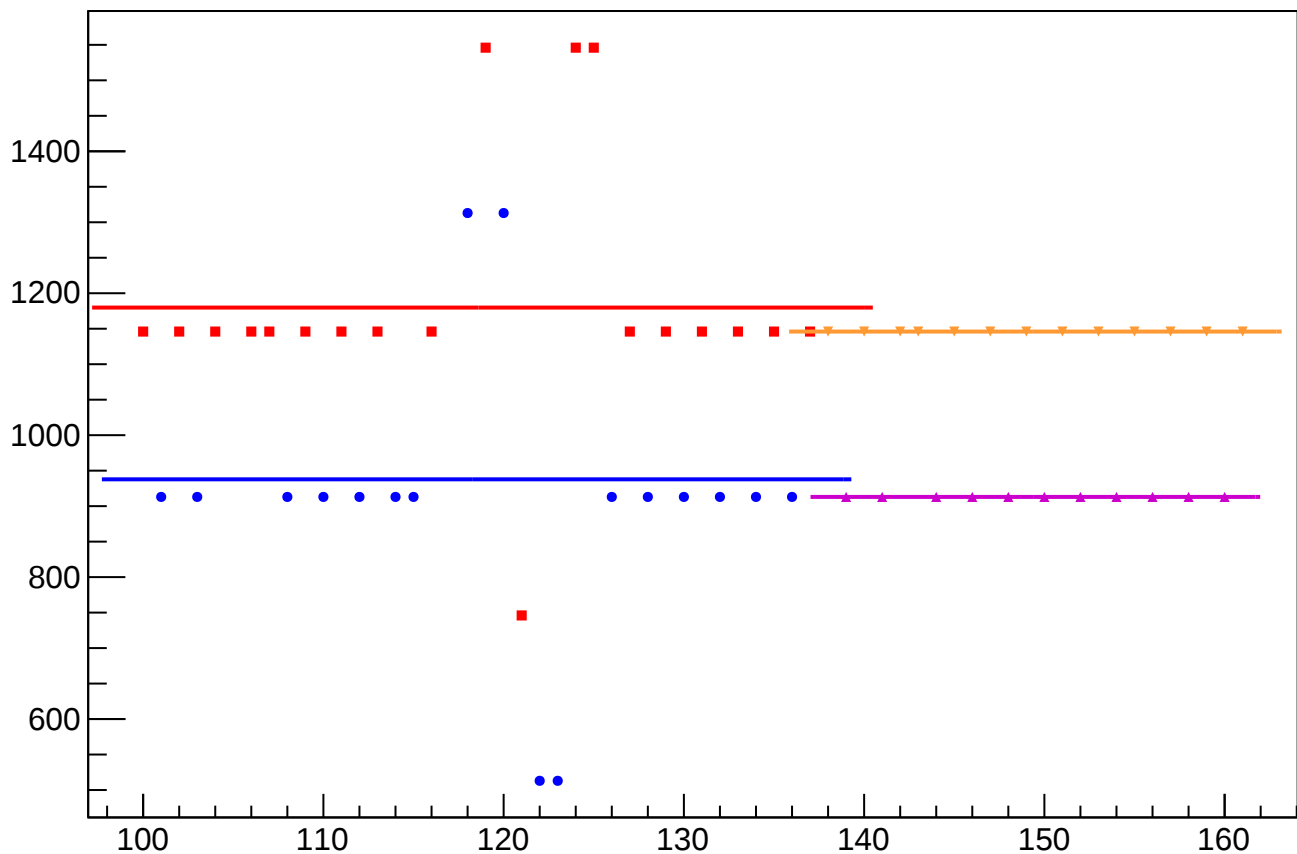
Right Out: 16.009+/-0.000 χ^2/NDF : 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF : 14628.6/10

16.408+/-0.000 χ^2/NDF : 398315282791812427

16.570+/-0.000 χ^2/NDF : 400979729729694039

epics_RTPAPOSUCNTs_mean vs Slug



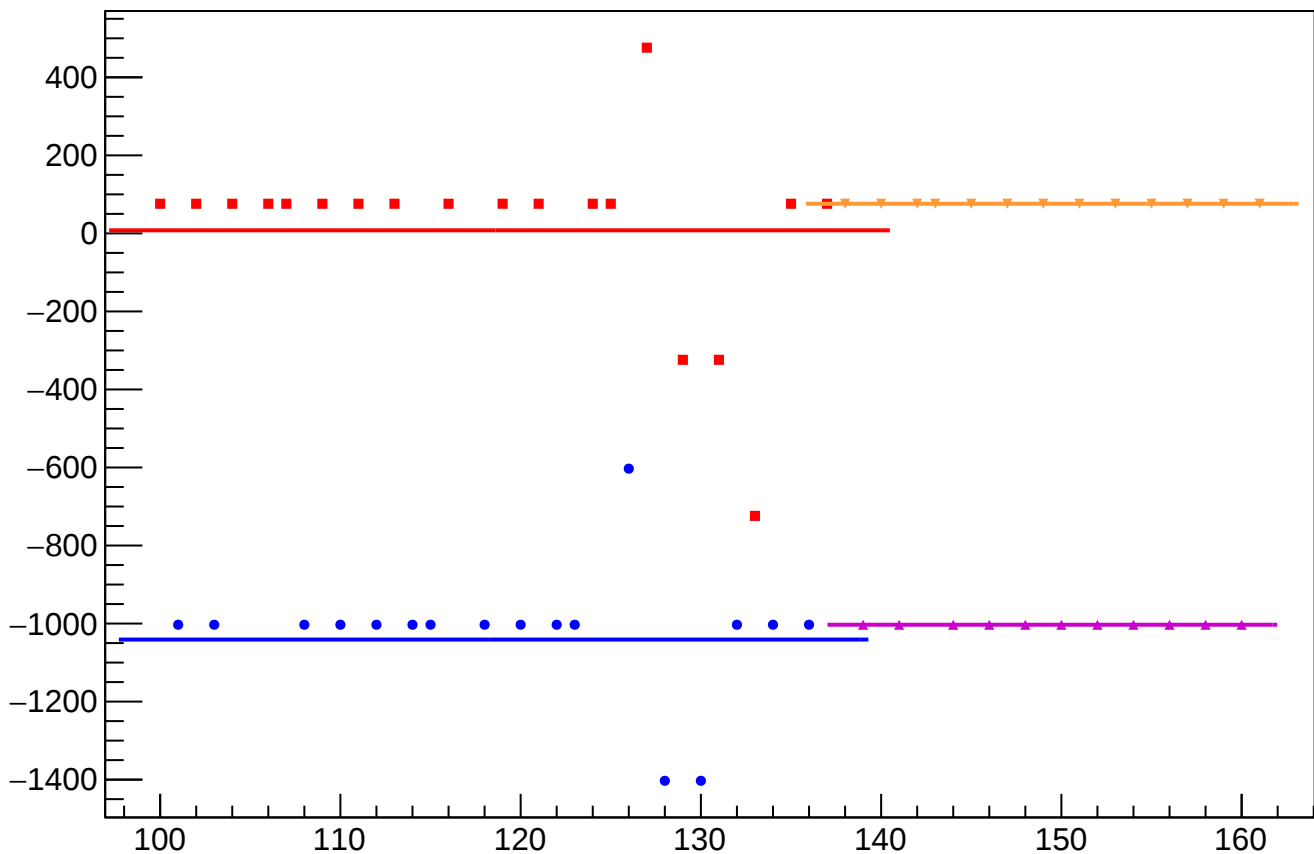
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.011+/-0.000 χ^2/NDF : 3902381054582015082910187520.0/12

Right Out: 1179.805+/-0.000 χ^2/NDF : 21416114436530132796905703778824486912.0/18

Left In: 912.994+/-0.000 χ^2/NDF : 11014485988425648621152632832.0/10

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1041.030+/-0.000 χ^2/NDF : 22675401109943882512554797113855180800.0/16
 Left Out: 76.011+/-0.000 χ^2/NDF : 4369098972849093630551392256.0/12
 Right Out: 7.865+/-0.000 χ^2/NDF : 43846919472163570410830042713366200320.0/18
 Left In: -1002.990+/-0.000 χ^2/NDF : 1253108455733492876495028224.0/10