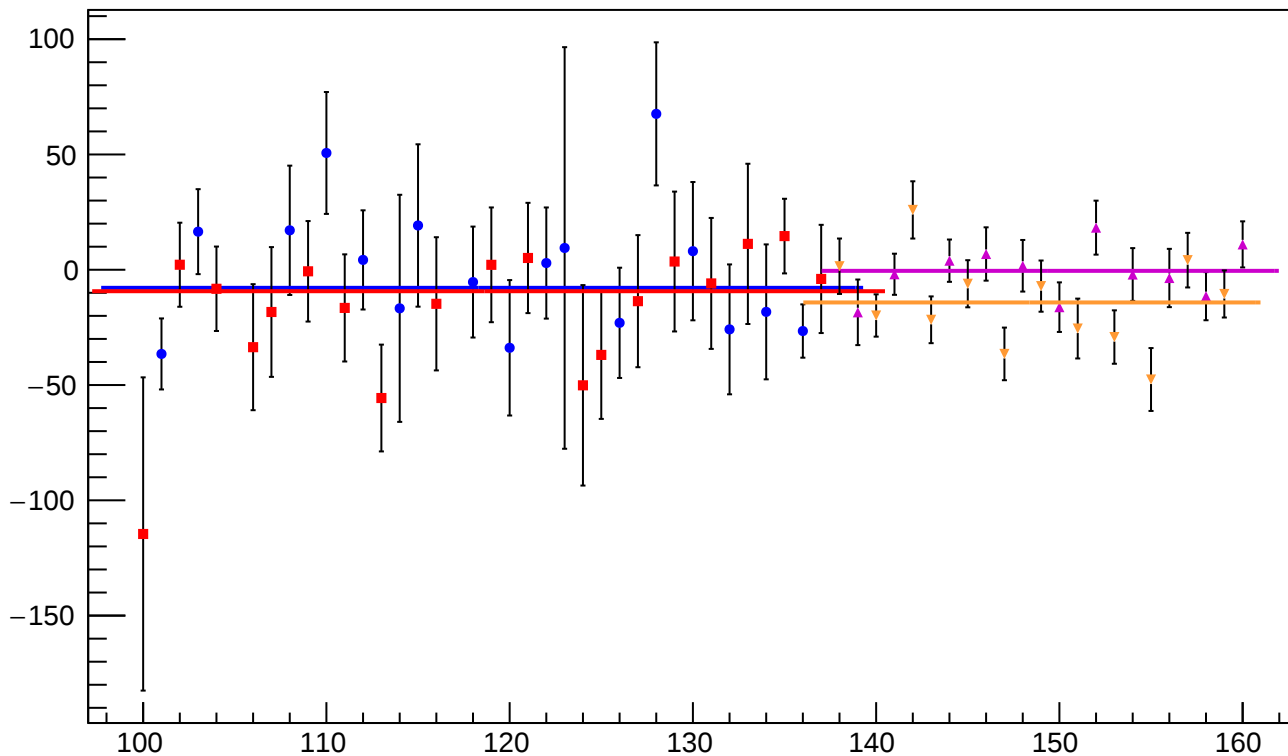


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

χ^2/NDF : 22.6/16

Left Out: -14.183 ± 3.230

χ^2/NDF : 28.9/11

Right Out: -9.309 ± 5.677

χ^2/NDF : 13.2/18

Left In: -0.476 ± 3.264

χ^2/NDF : 9.5/10

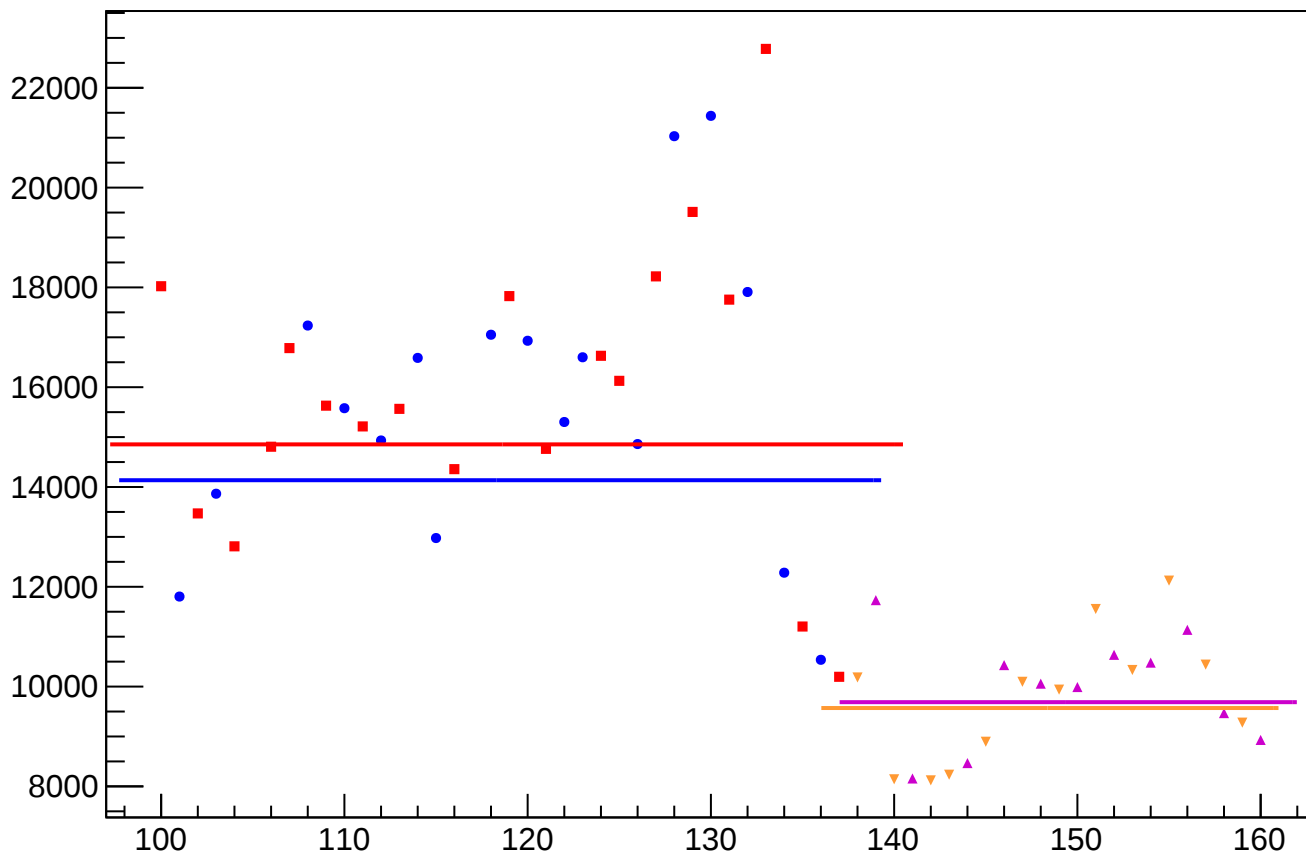
-12.603 ± 2.799

χ^2/NDF : 52.5/28

-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: 9570.274+/-2.284 χ^2/NDF : 268842.9/11

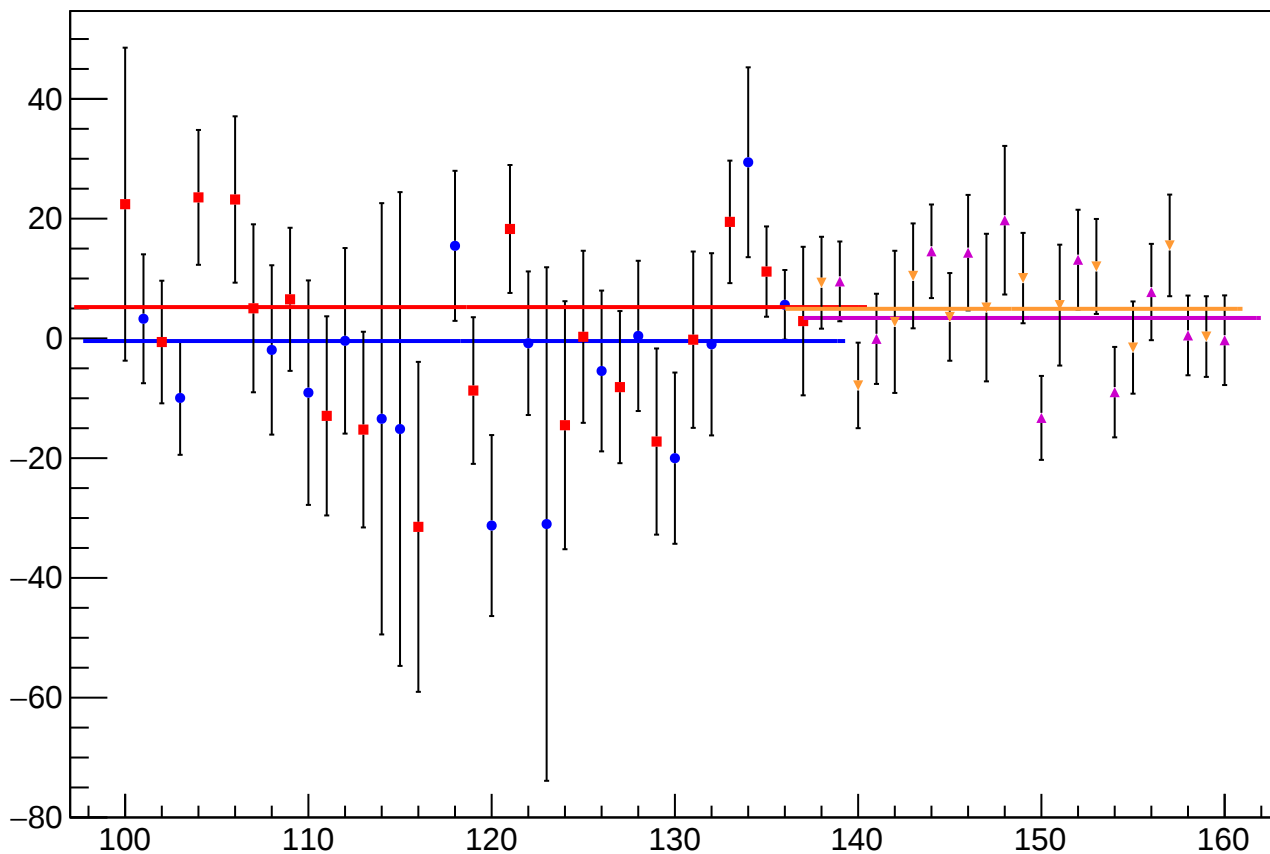
Right Out: 14854.033+/-4.014 χ^2/NDF : 472017.6/18

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

10707.274+/-1.979 χ^2/NDF : 1861342.7/28

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

diff_bpm4aY_mean vs Slug



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

Left Out: 4.939 ± 2.370 χ^2/NDF : 8.0/11

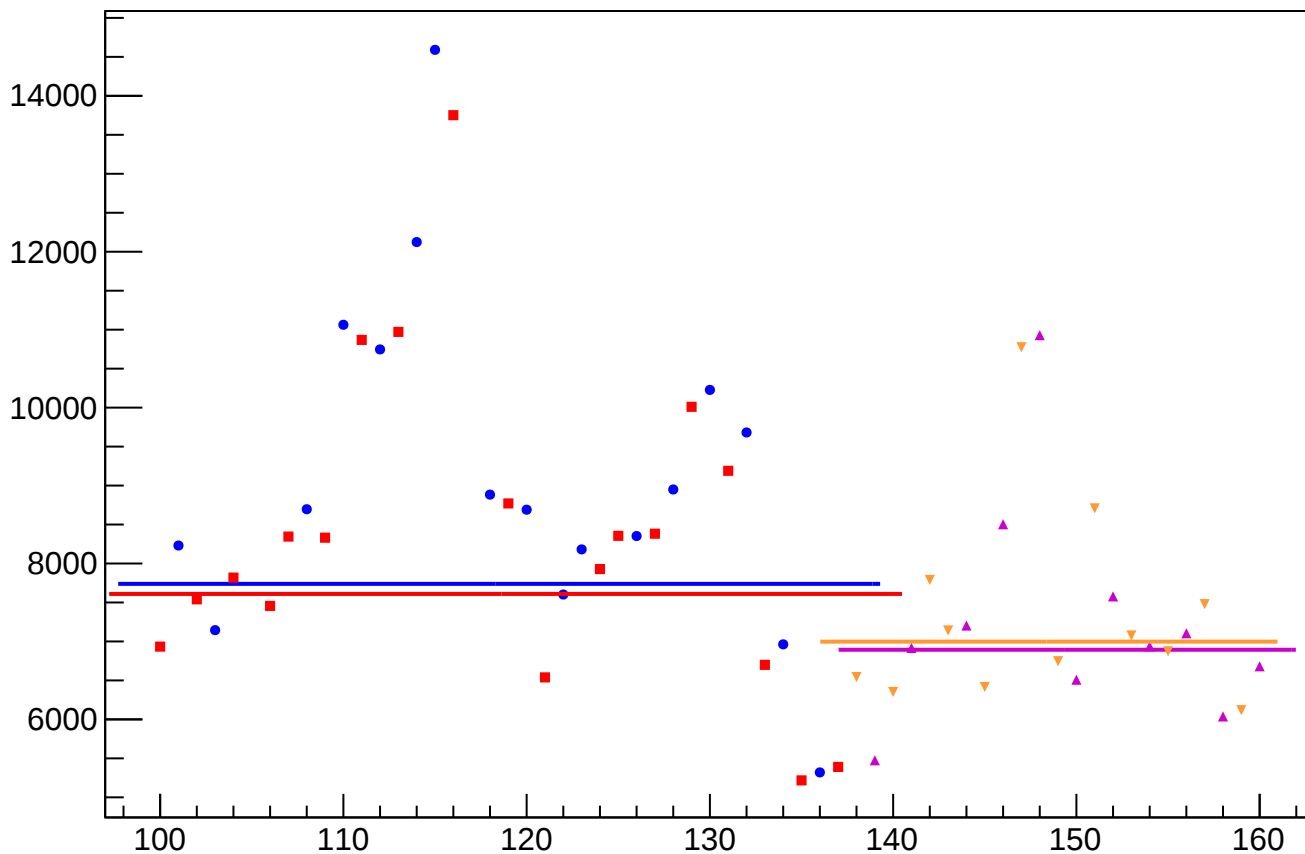
Right Out: 5.229 ± 2.936 χ^2/NDF : 19.4/18

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

2.931 ± 1.876 χ^2/NDF : 24.4/28

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: 6997.465+/-1.676 χ^2/NDF : 334066.1/11

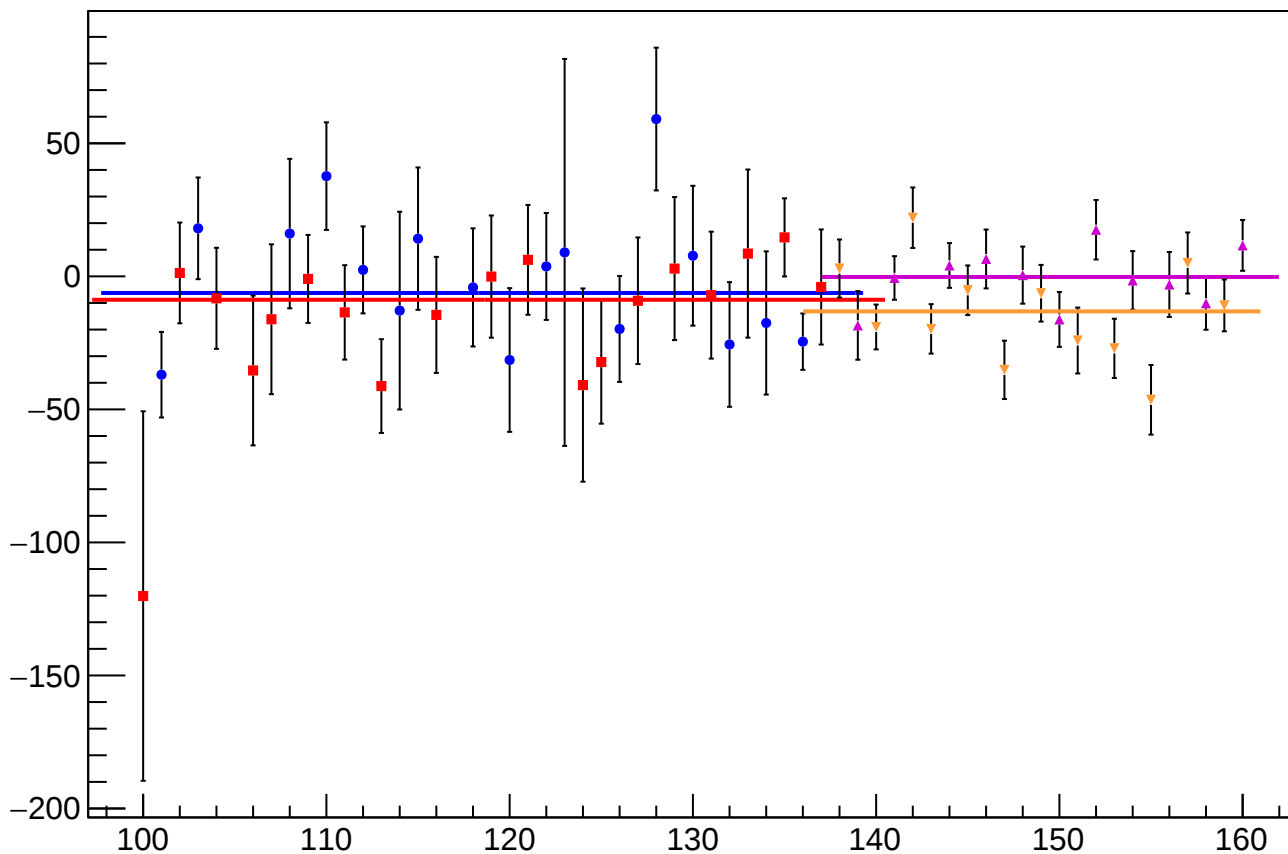
Right Out: 7609.531+/-2.076 χ^2/NDF : 679180.7/18

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

7274.244+/-1.327 χ^2/NDF : 1147956.5/28

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: -13.157 ± 3.029 χ^2/NDF : 29.2/11

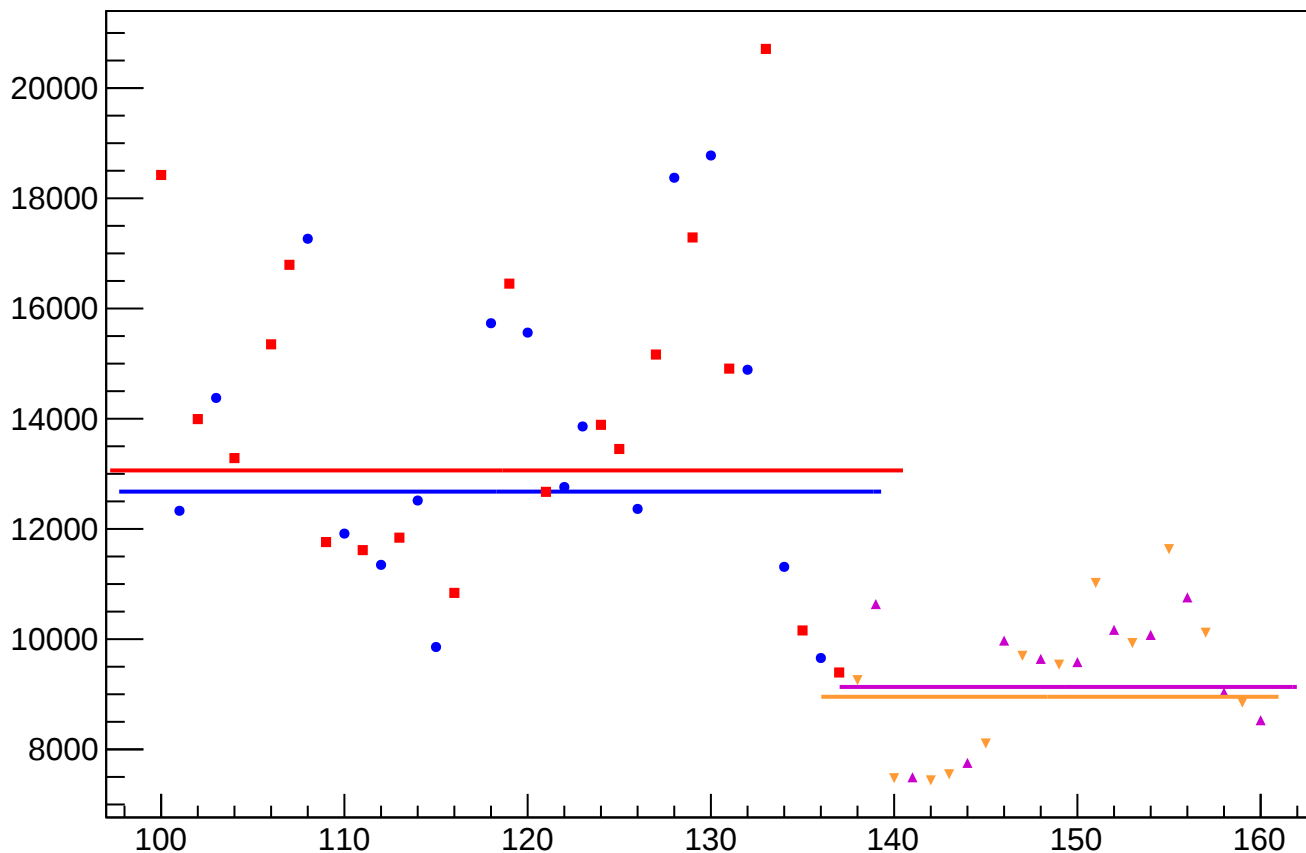
Right Out: -8.802 ± 4.999 χ^2/NDF : 13.1/18

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

-11.310 ± 2.593 χ^2/NDF : 53.8/28

-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: 8954.236+/-2.142 χ^2/NDF : 351702.5/11

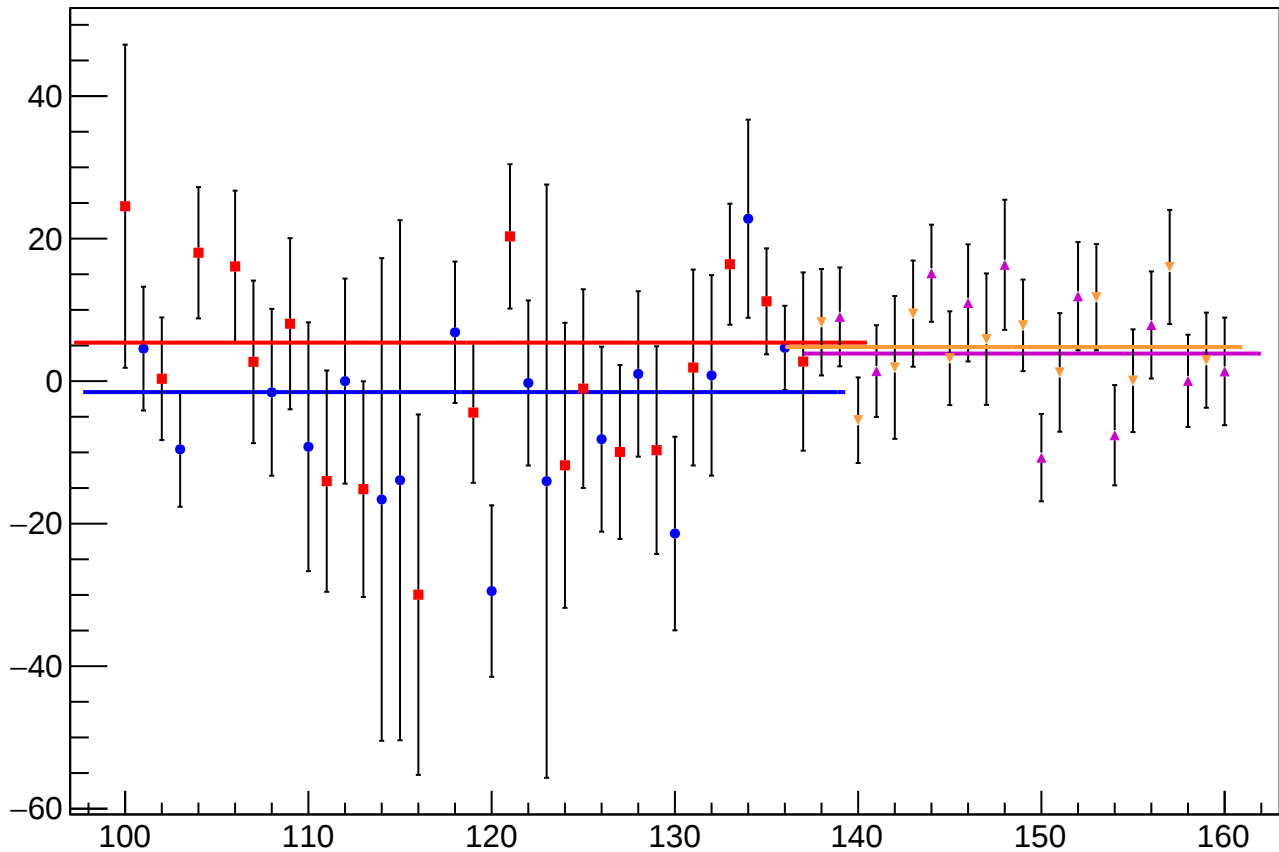
Right Out: 13061.839+/-3.535 χ^2/NDF : 497429.6/18

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

9948.927+/-1.834 χ^2/NDF : 1712441.1/28

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

diff_bpm4eY_mean vs Slug



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

Left Out: 4.790 ± 2.120 χ^2/NDF : 7.5/11

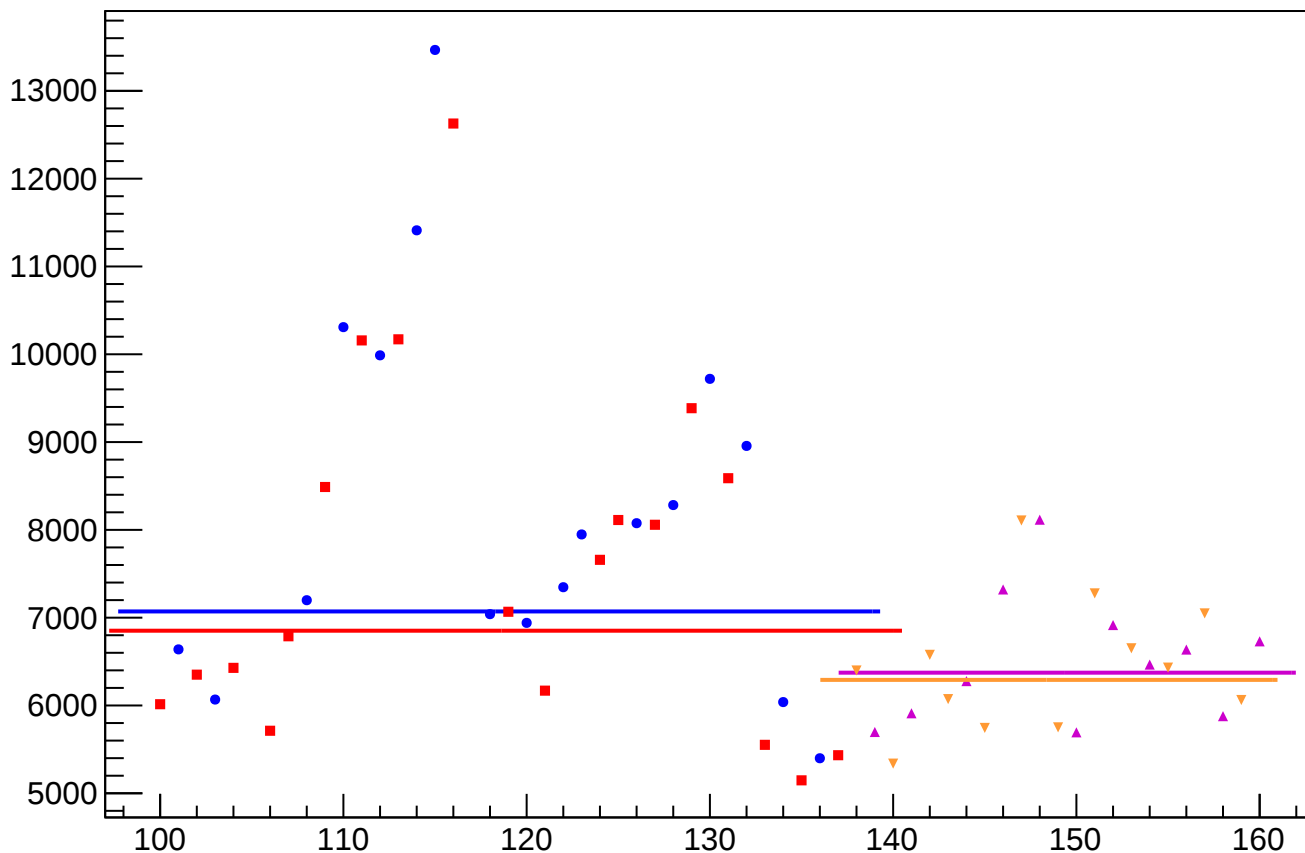
Right Out: 5.405 ± 2.640 χ^2/NDF : 18.6/18

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

2.474 ± 1.688 χ^2/NDF : 25.6/28

4.483 ± 1.667 χ^2/NDF : 35.0/29

diff_bpm4eY_rms vs Slug



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

Left Out: 6291.457+/-1.499 χ^2/NDF :213489.7/11

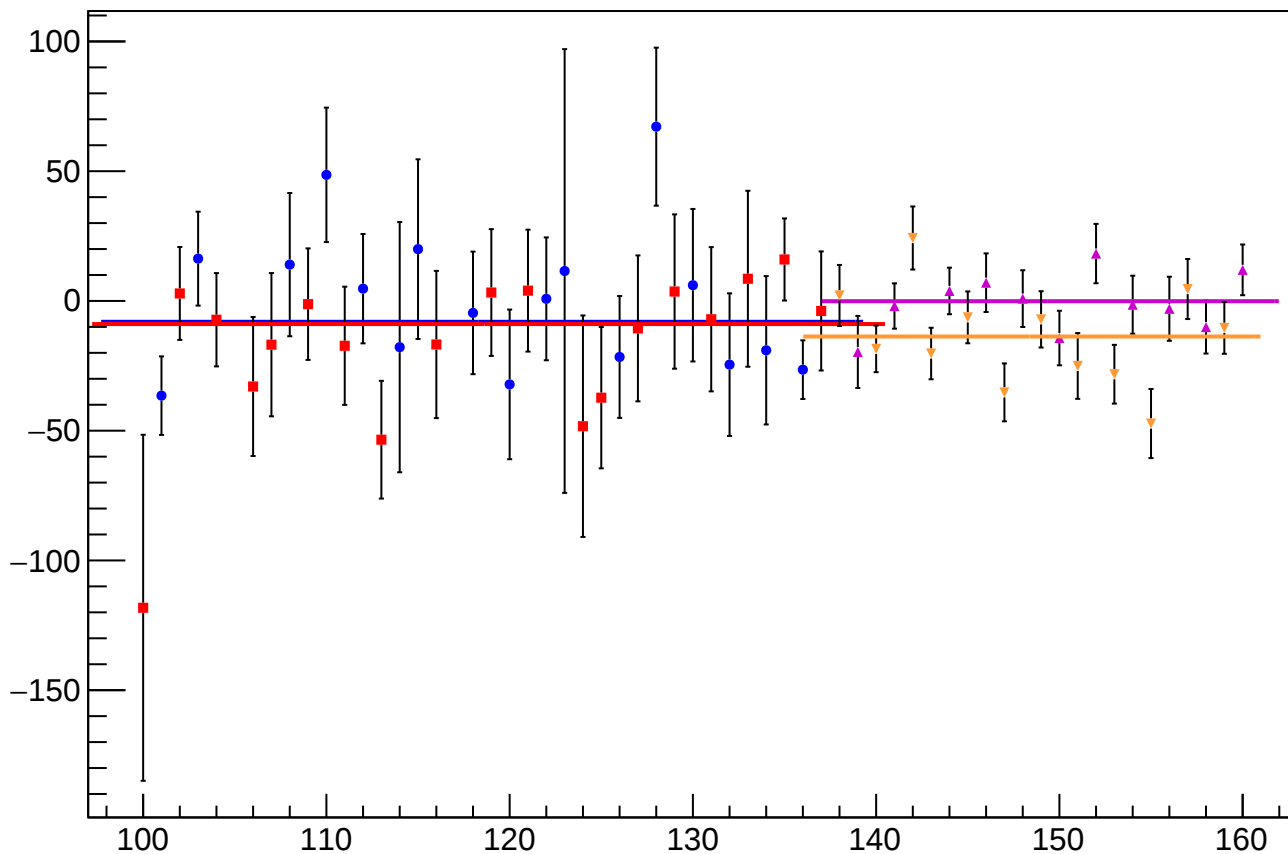
Right Out: 6851.604+/-1.866 χ^2/NDF : 684398.7/18

Left In: 6373.548+/-1.520 χ^2/NDF :182863.7/10

6576.797+/-1.194 χ^2/NDF : 913209.6/28

6564.167+/-1.179 χ^2/NDF : 906705.1/29

diff_bpm4acX_mean vs Slug



Right In: -8.036 ± 5.497 $\chi^2/\text{NDF}: 22.6/16$

Left Out: -13.706 ± 3.157 $\chi^2/\text{NDF}: 28.3/11$

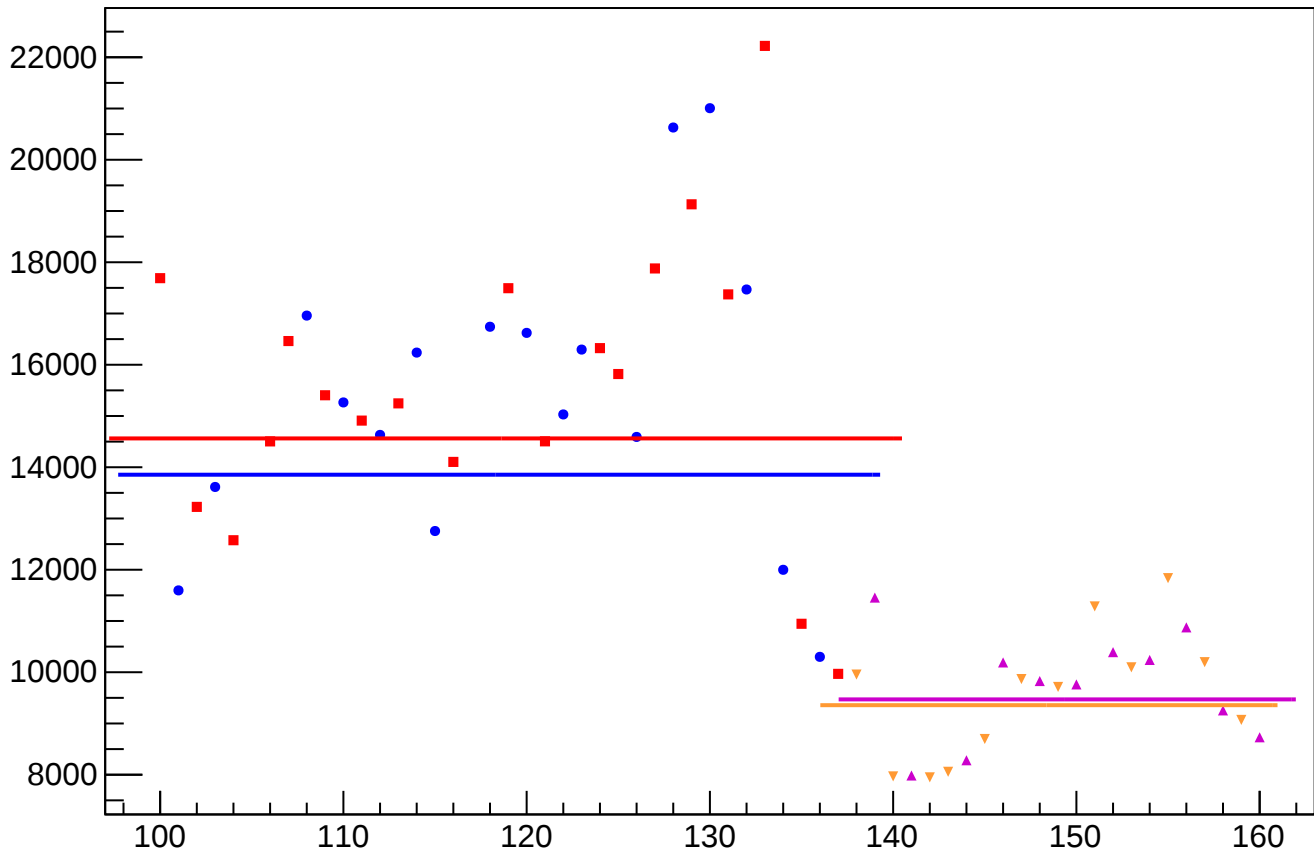
Right Out: -8.907 ± 5.566 $\chi^2/\text{NDF}: 13.7/18$

Left In: -0.101 ± 3.190 $\chi^2/\text{NDF}: 9.6/10$

-12.300 ± 2.738 $\chi^2/\text{NDF}: 51.7/28$

-2.278 ± 2.768 $\chi^2/\text{NDF}: 25.1/29$

diff_bpm4acX_rms vs Slug



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

Left Out: 9356.979+/-2.233 χ^2/NDF : 265636.7/11

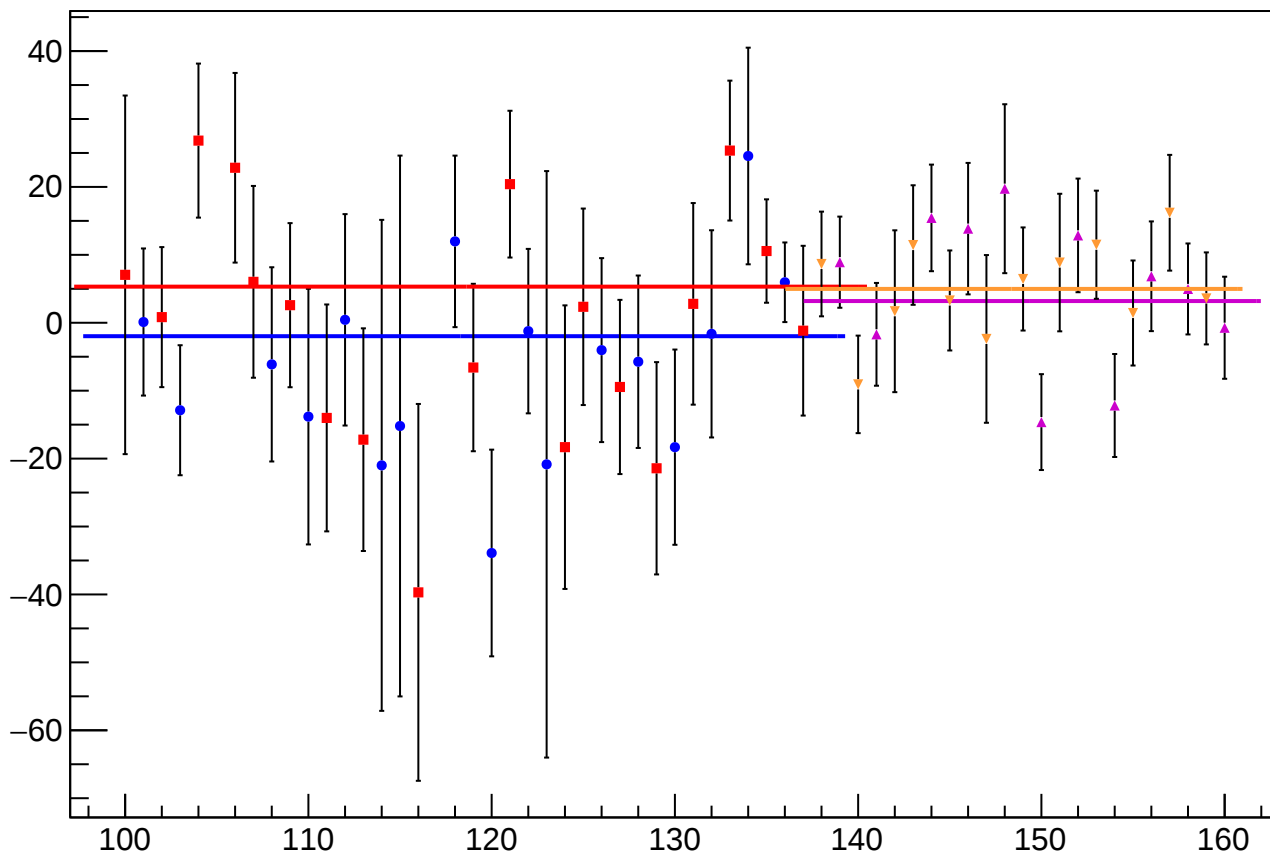
Right Out: 14562.308+/-3.936 χ^2/NDF : 474279.5/18

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

10472.415+/-1.936 χ^2/NDF : 1873078.4/28

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: 4.985+/-2.381 χ^2/NDF : 7.9/11

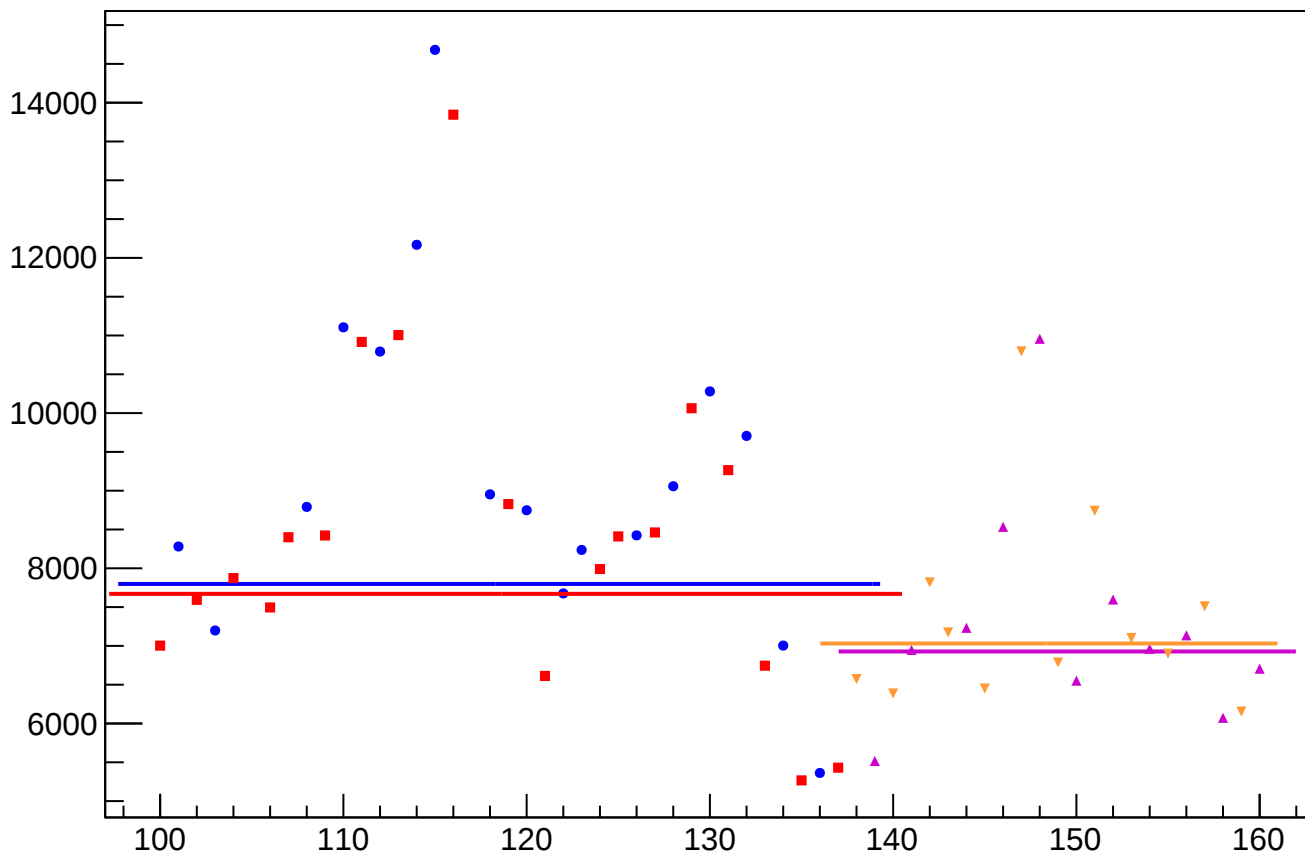
Right Out: 5.318+/-2.959 χ^2/NDF : 24.3/18

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

2.395+/-1.887 χ^2/NDF : 25.1/28

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: 7030.907+/-1.684 χ^2/NDF : 330465.8/11

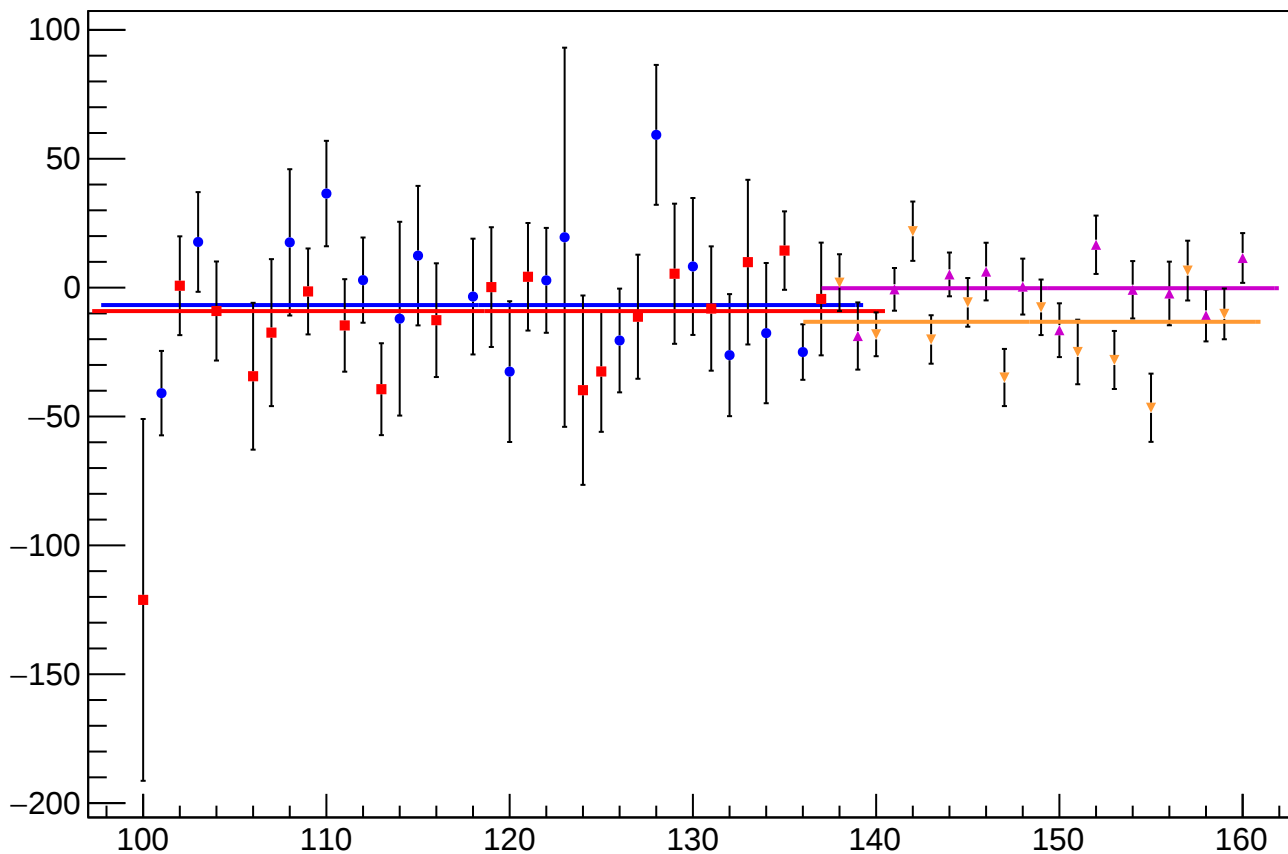
Right Out: 7670.584+/-2.092 χ^2/NDF : 672691.0/18

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

7316.336+/-1.334 χ^2/NDF : 1144014.9/28

7216.271+/-1.303 χ^2/NDF : 1160392.4/29

diff_bpm4ecX_mean vs Slug



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

Left Out: -13.252 ± 3.063 χ^2/NDF : 28.8/11

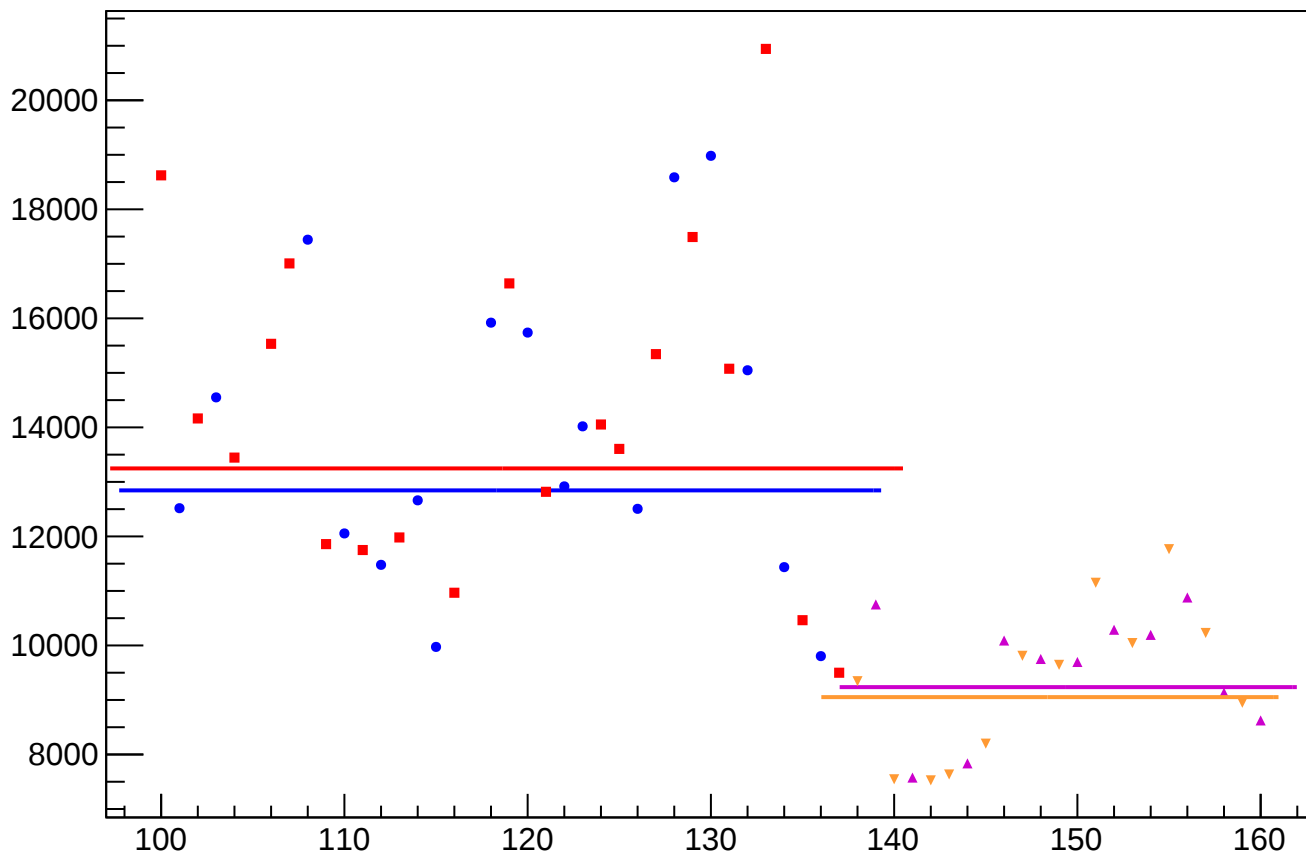
Right Out: -9.102 ± 5.070 χ^2/NDF : 12.2/18

Left In: -0.217 ± 3.115 χ^2/NDF : 10.0/10

-11.523 ± 2.623 χ^2/NDF : 53.7/28

-2.652 ± 2.654 χ^2/NDF : 24.5/29

diff_bpm4ecX_rms vs Slug



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

Left Out: 9052.117 ± 2.166 χ^2/NDF : 353304.2/11

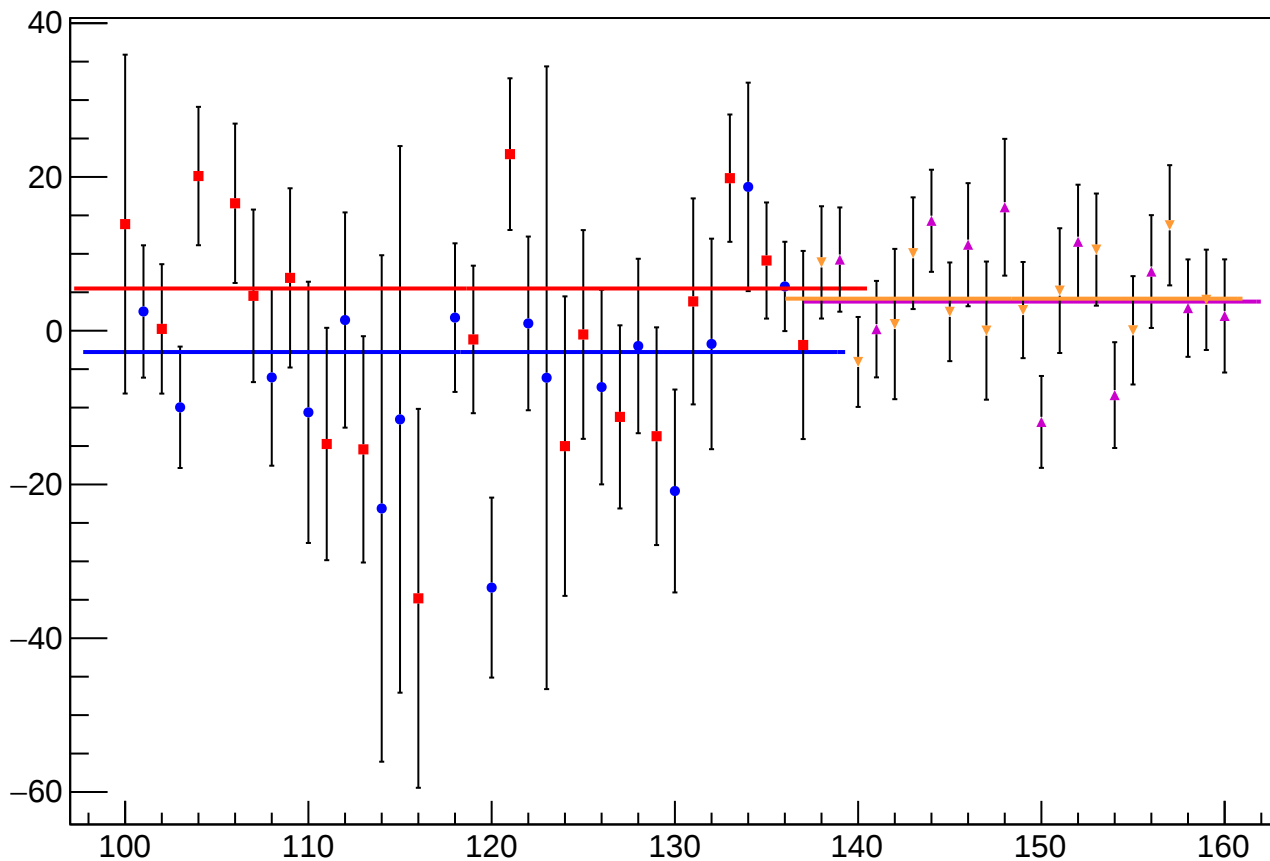
Right Out: 13247.253 ± 3.585 χ^2/NDF : 485481.6/18

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

10061.641 ± 1.855 χ^2/NDF : 1716884.5/28

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: 4.169 ± 2.069 χ^2/NDF : 6.1/11

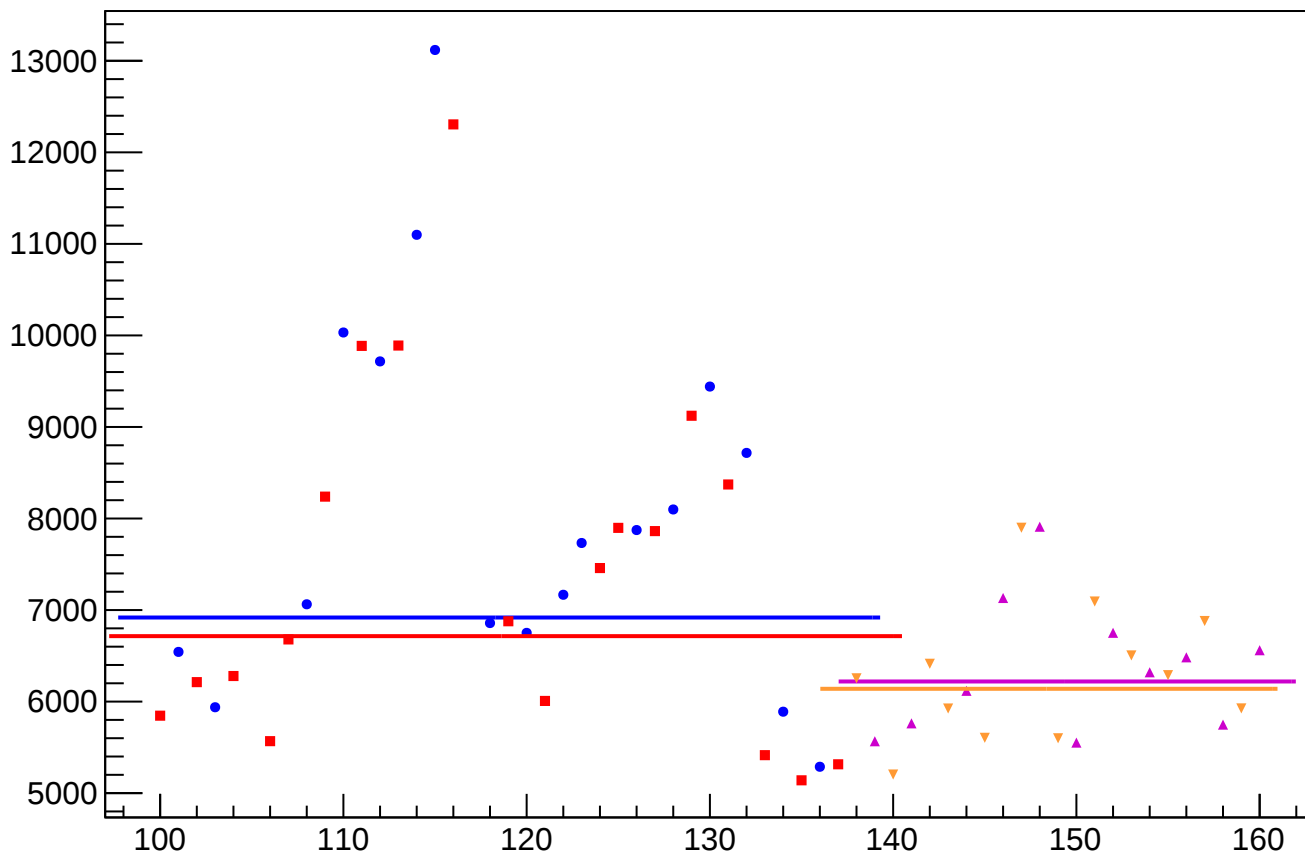
Right Out: 5.491 ± 2.587 χ^2/NDF : 23.2/18

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

1.638 ± 1.649 χ^2/NDF : 26.1/28

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: 6139.710 $\pm$ 1.463 χ^2 /NDF:214234.1/11

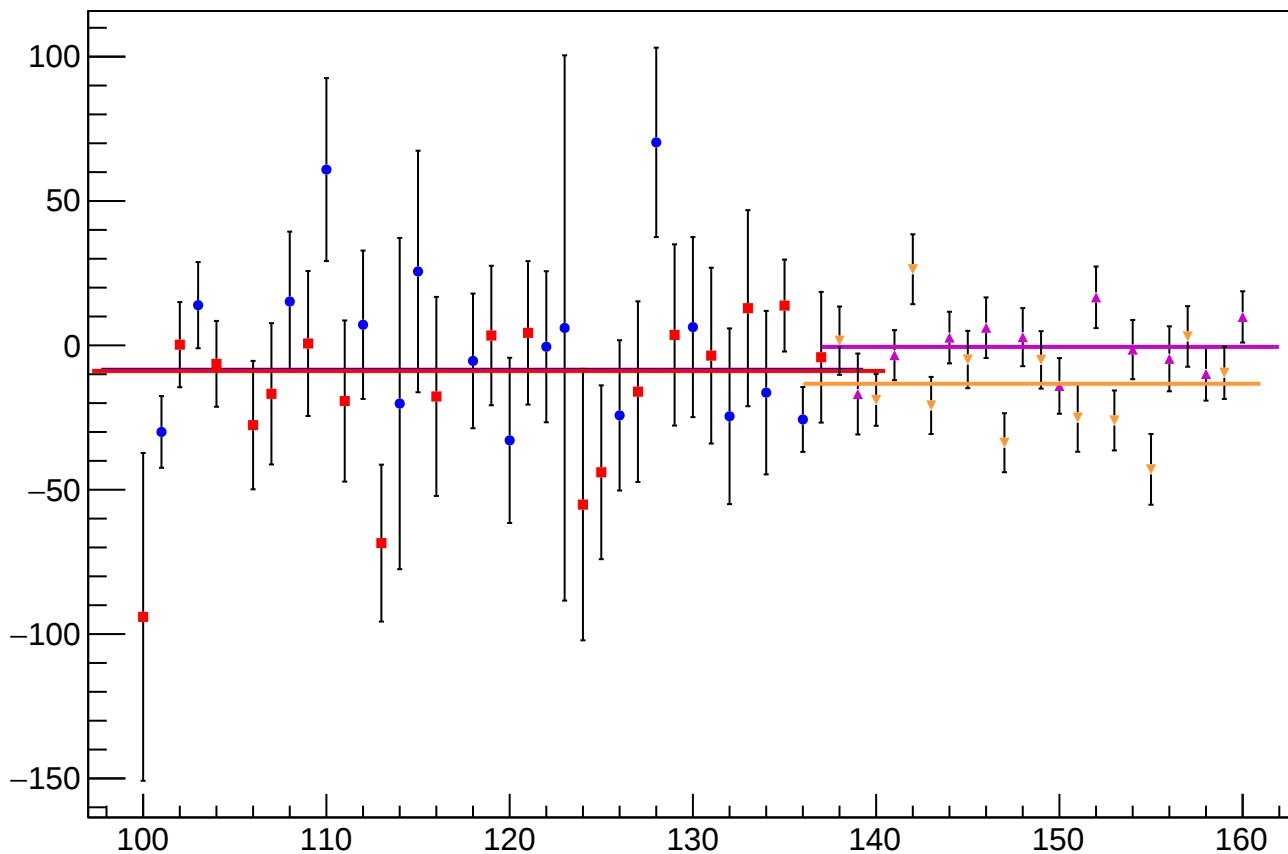
Right Out: 6715.022 $\pm$ 1.830 χ^2 /NDF: 656010.3/18

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

6423.620 $\pm$ 1.166 χ^2 /NDF: 904564.8/28

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

diff_bpm1X_mean vs Slug



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

Left Out: -13.292 ± 3.005 χ^2/NDF : 29.6/11

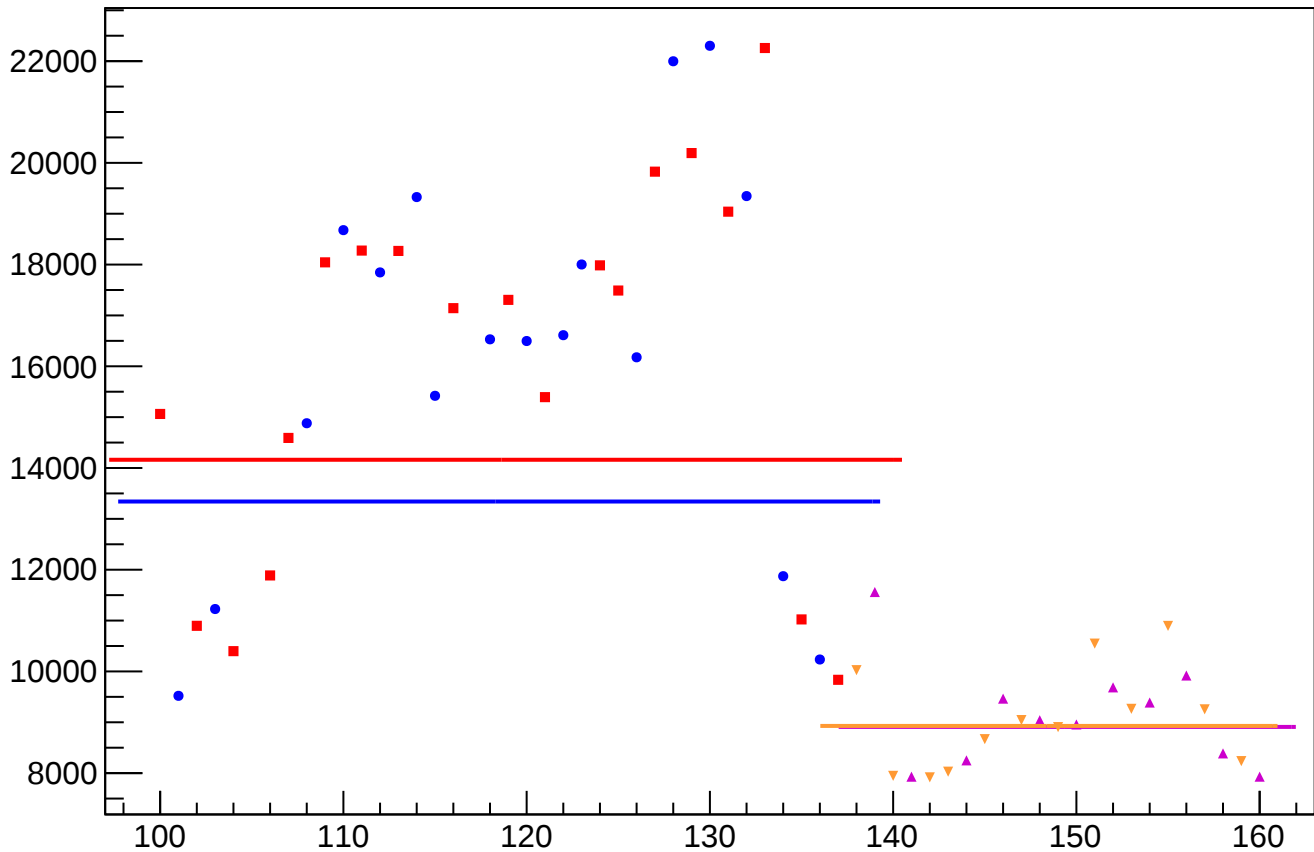
Right Out: -8.854 ± 5.508 χ^2/NDF : 14.2/18

Left In: -0.535 ± 2.999 χ^2/NDF : 9.2/10

-12.145 ± 2.625 χ^2/NDF : 52.2/28

-2.437 ± 2.634 χ^2/NDF : 25.2/29

diff_bpm1X_rms vs Slug



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

Left Out: 8928.292+/-2.125 χ^2/NDF :177862.7/11

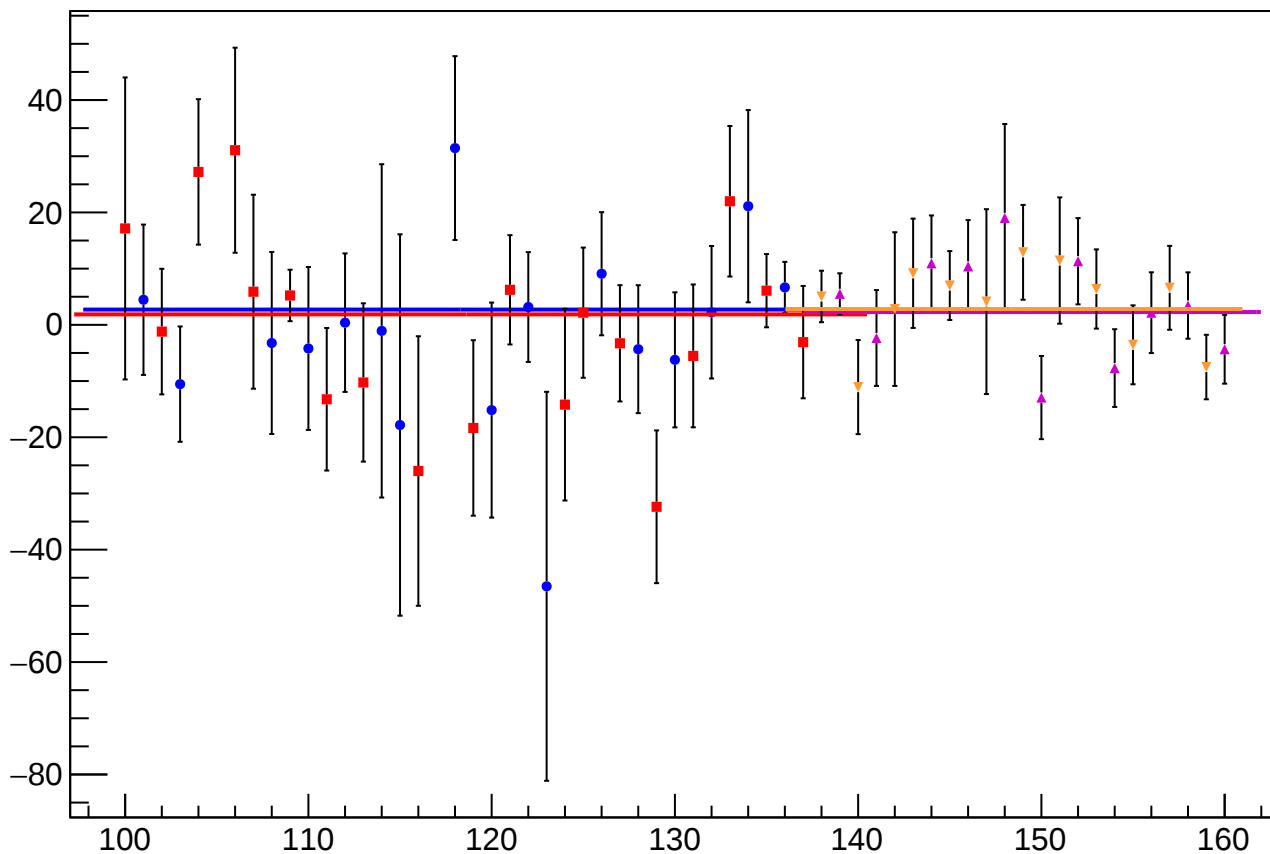
9973.551+/-1.856 χ^2/NDF : 2244256.3/28

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: 2.810 ± 2.137 χ^2/NDF : 10.5/11

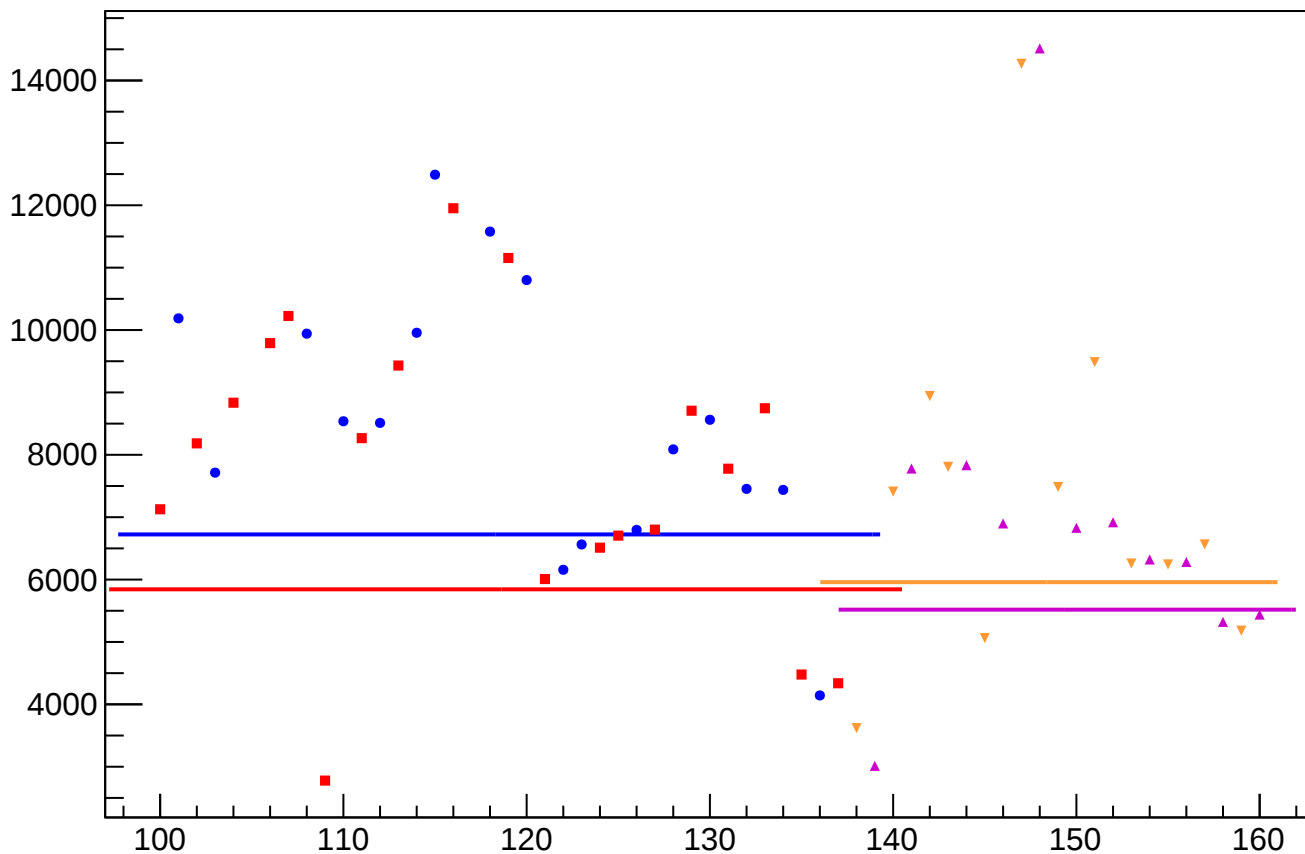
Right Out: 1.861 ± 2.439 χ^2/NDF : 23.5/18

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

2.775 ± 1.688 χ^2/NDF : 22.1/28

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: 5958.732+/-1.511 χ^2/NDF : 1622164.7/11

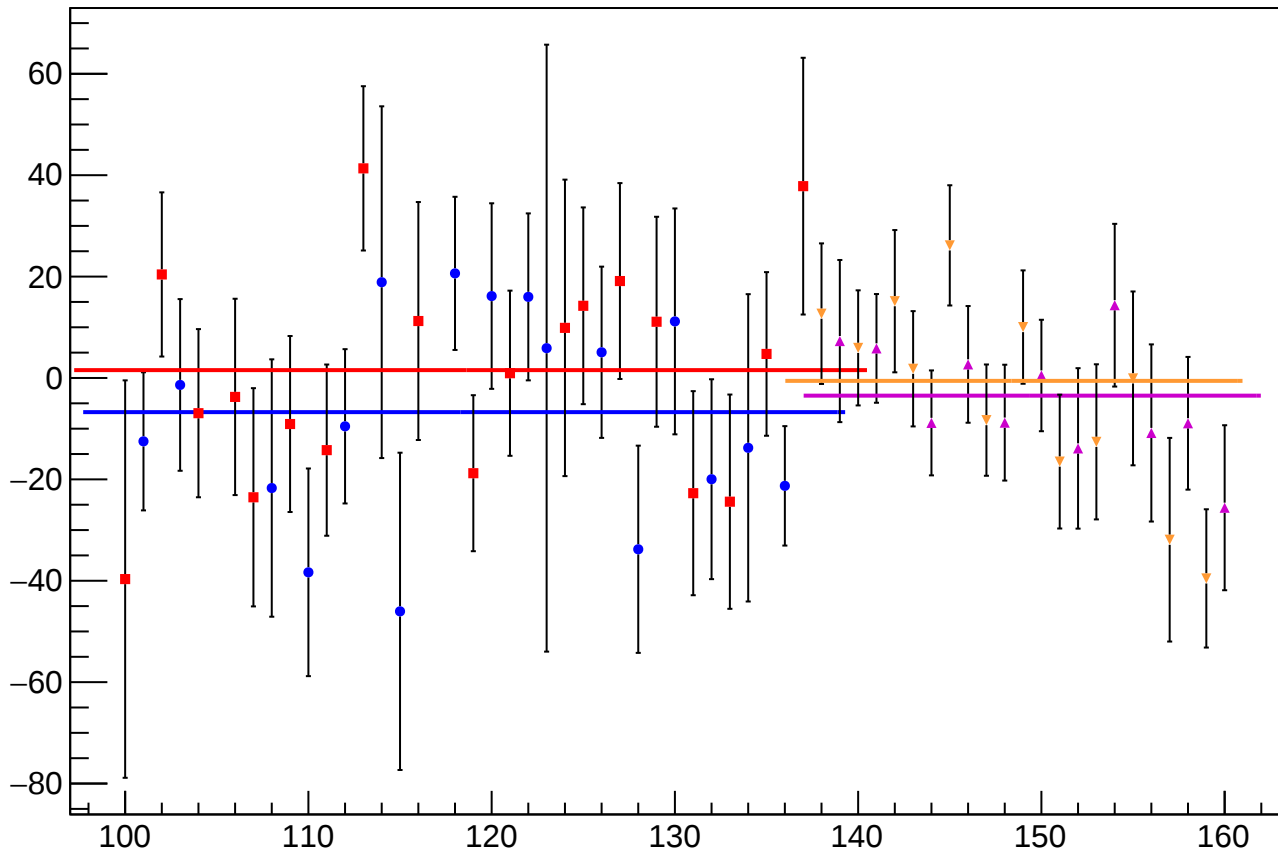
Right Out: 5843.829+/-1.725 χ^2/NDF : 2277223.8/18

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

6246.574+/-1.194 χ^2/NDF : 3110676.0/28

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: -0.569 ± 3.768 χ^2/NDF : 21.7/11

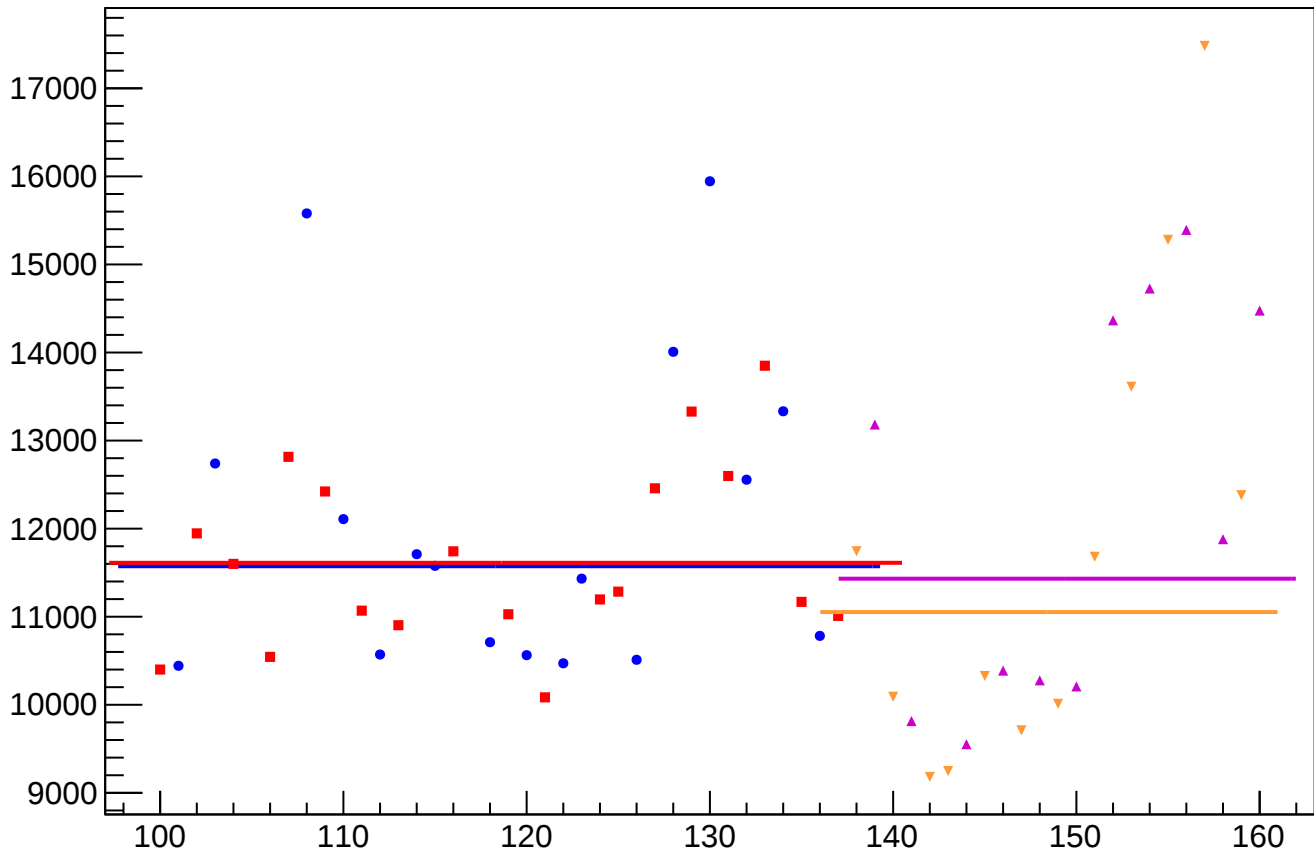
Right Out: 1.549 ± 4.372 χ^2/NDF : 20.0/18

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

-3.102 ± 2.892 χ^2/NDF : 39.7/28

-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: 11052.821+/-2.664 χ^2/NDF : 565913.8/11

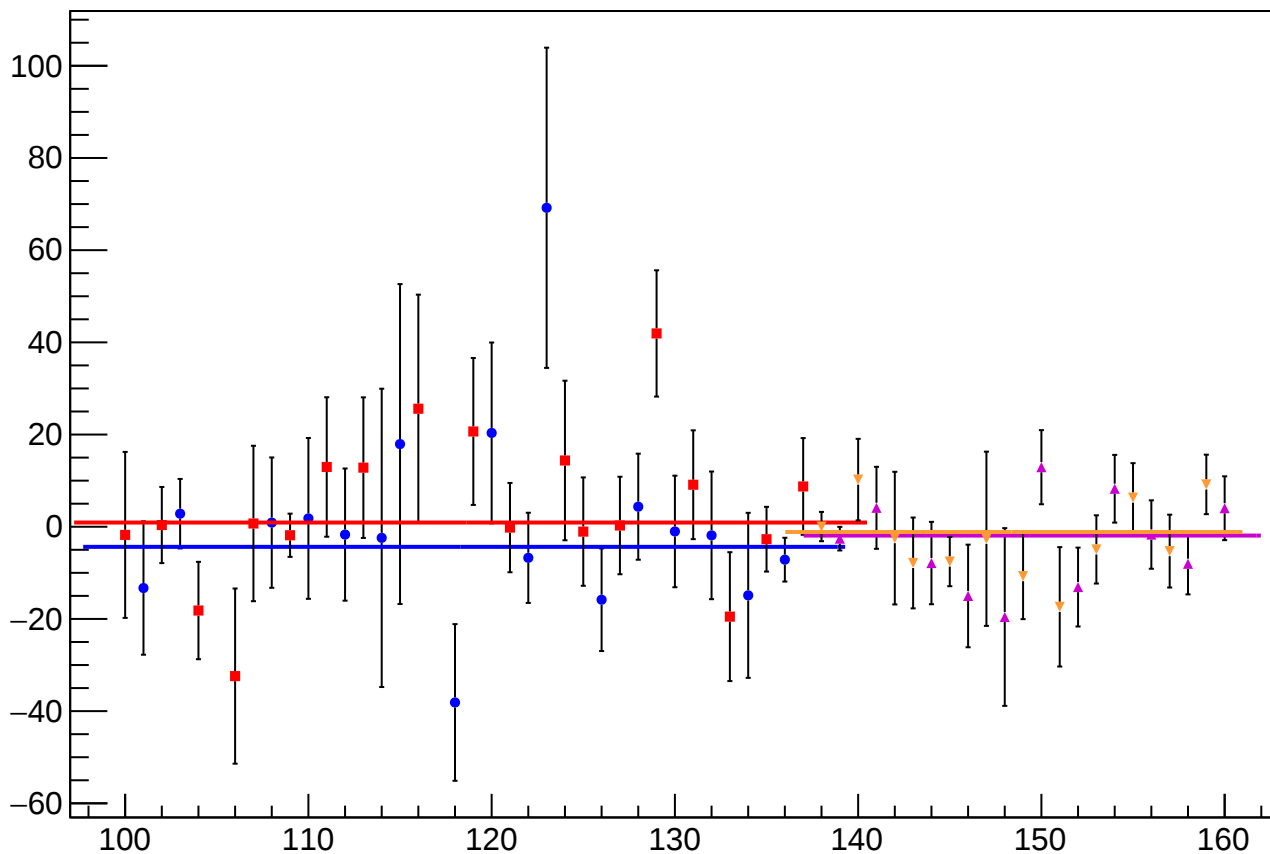
Right Out: 11612.220+/-3.092 χ^2/NDF : 94308.1/18

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

11266.665+/-2.045 χ^2/NDF : 820336.6/28

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: -1.147 ± 1.968 χ^2/NDF : 10.4/11

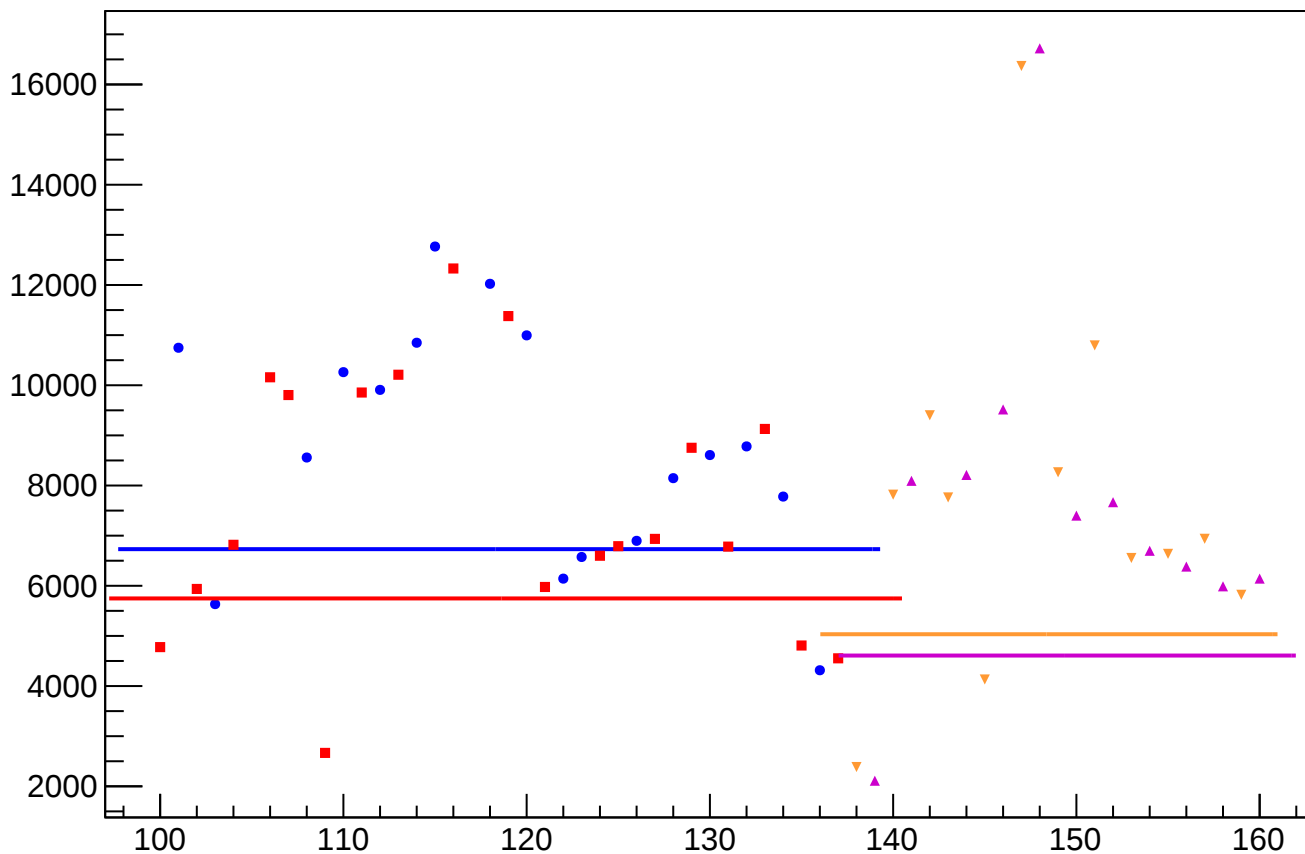
Right Out: 0.914 ± 2.426 χ^2/NDF : 23.5/18

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

-2.221 ± 1.605 χ^2/NDF : 25.8/28

-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: 5033.626+/-1.391 χ^2/NDF : 3659841.3/11

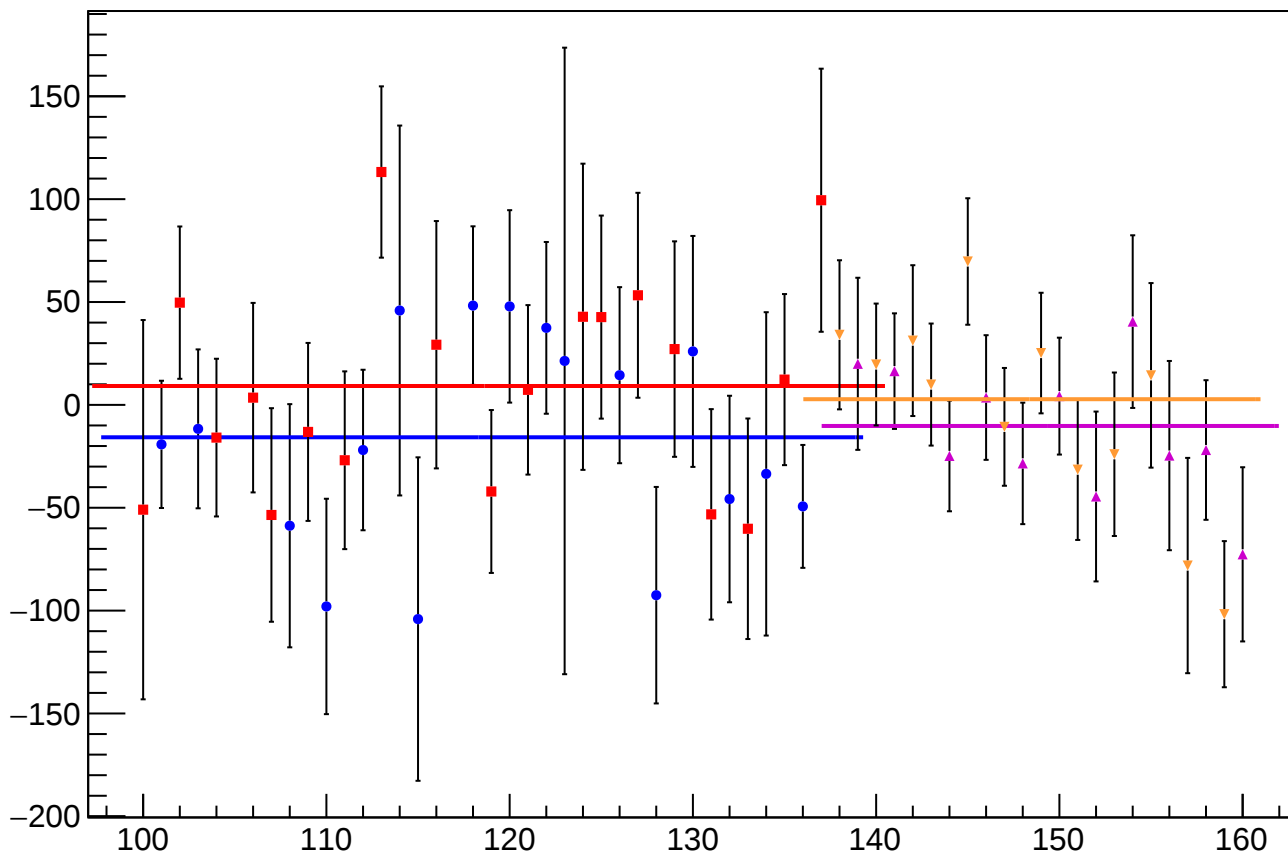
Right Out: 5747.643+/-1.716 χ^2/NDF : 2162236.7/18

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

5601.094+/-1.135 χ^2/NDF : 5602532.9/28

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: 2.761 ± 9.820 χ^2/NDF : 19.8/11

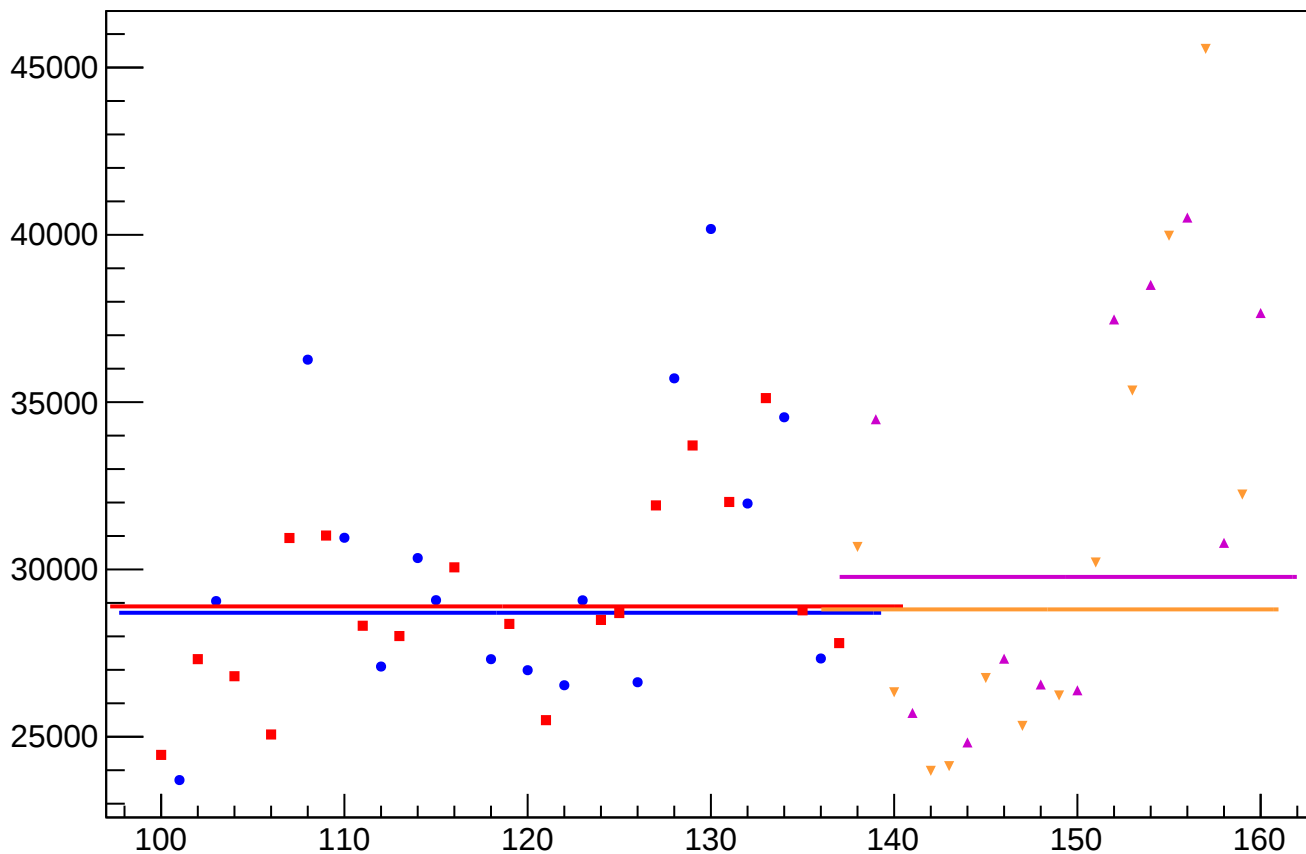
Right Out: 9.179 ± 10.889 χ^2/NDF : 19.3/18

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

-5.279 ± 7.386 χ^2/NDF : 37.3/28

-1.236 ± 7.416 χ^2/NDF : 28.1/29

diff_bpm12X_rms vs Slug



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

Left Out: 28806.304+/-6.944 χ^2/NDF : 562830.8/11

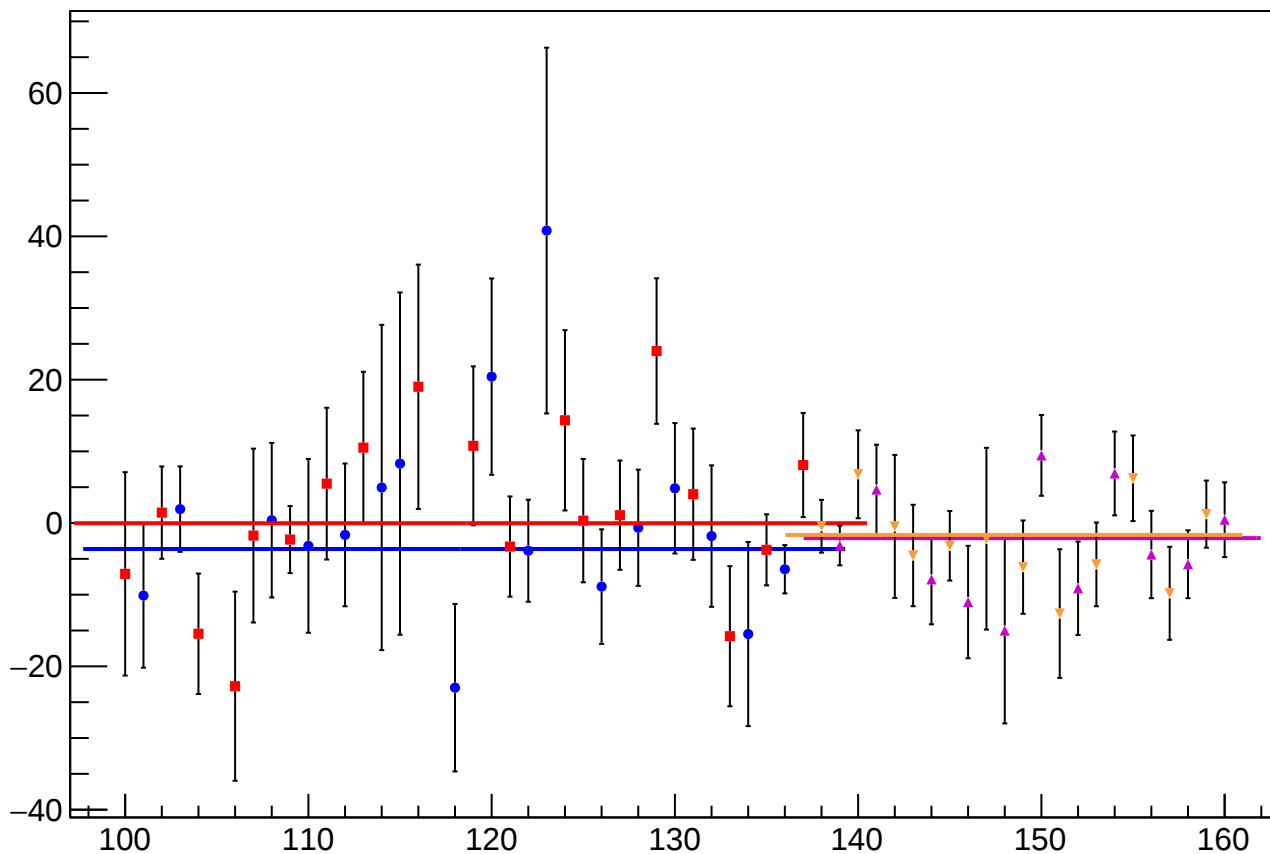
Right Out: 28895.535+/-7.700 χ^2/NDF : 111212.6/18

Left In: 29777.235+/-7.161 χ^2/NDF : 536244.5/10

28762.553+/-5.223 χ^2/NDF : 813914.7/28

29368.285+/-5.244 χ^2/NDF : 654487.7/29

diff_bpm12Y_mean vs Slug



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

Left Out: -1.664 ± 1.711 χ^2/NDF : 8.5/11

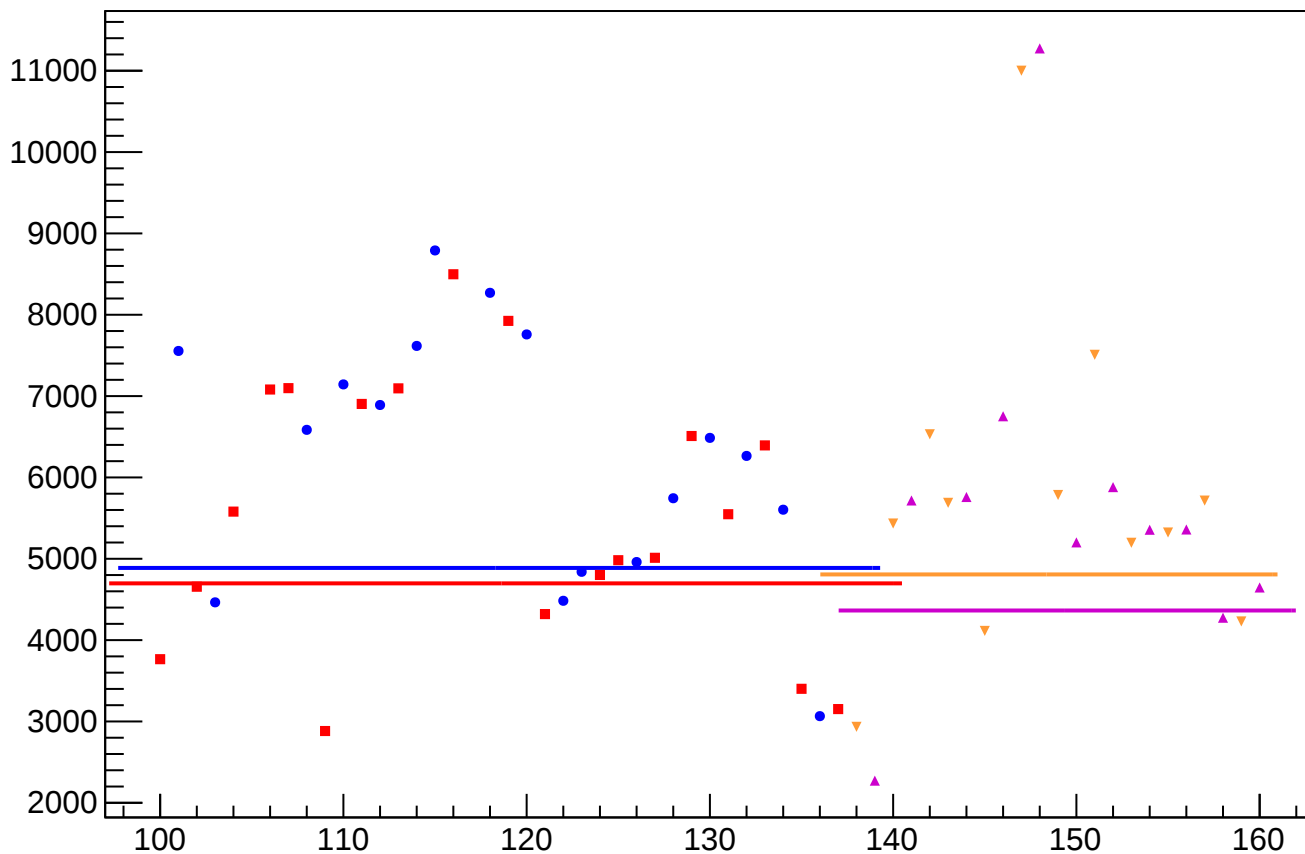
Right Out: -0.027 ± 1.890 χ^2/NDF : 22.1/18

Left In: -2.105 ± 1.588 χ^2/NDF : 13.1/10

-2.490 ± 1.302 χ^2/NDF : 22.8/28

-1.245 ± 1.216 χ^2/NDF : 36.0/29

diff_bpm12Y_rms vs Slug



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

Left Out: 4807.608+/-1.210 χ^2/NDF :1465766.2/11

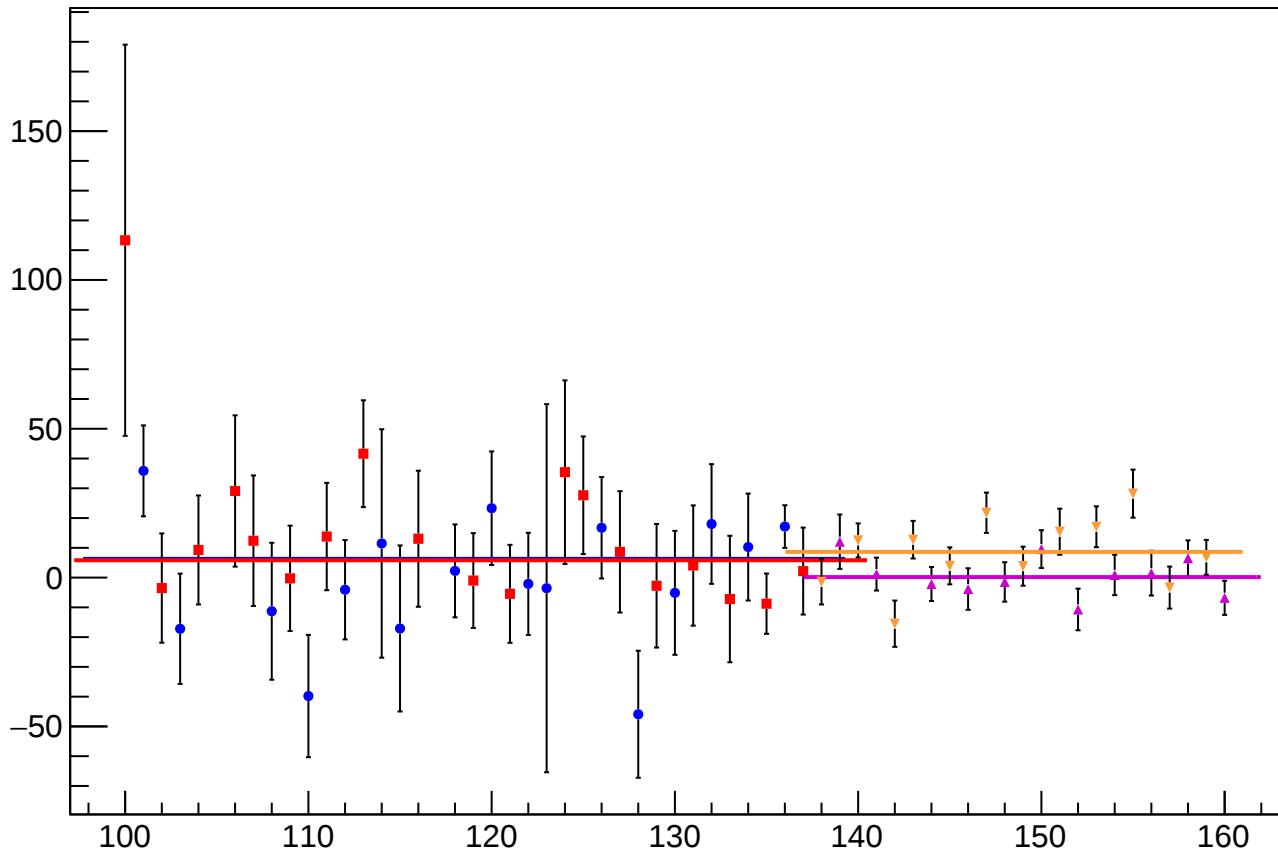
Right Out: 4697.726+/-1.336 χ^2/NDF : 1313121.0/18

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

4841.258+/-0.920 χ^2/NDF : 2876900.1/28

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: 8.643 ± 1.950 χ^2/NDF : 28.3/11

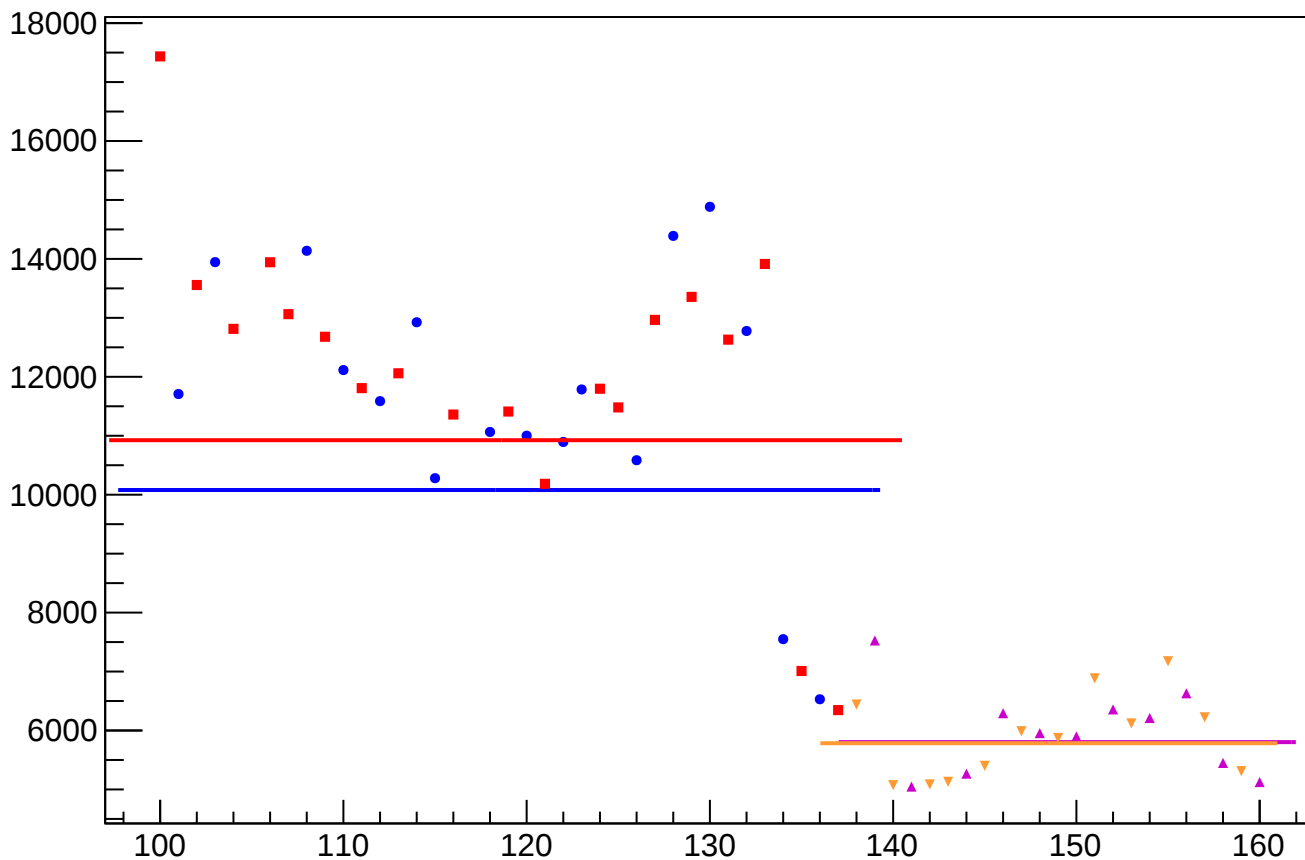
Right Out: 5.828 ± 4.219 χ^2/NDF : 13.8/18

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

8.202 ± 1.758 χ^2/NDF : 51.1/28

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: 5784.093+/-1.379 χ^2/NDF : 218808.7/11

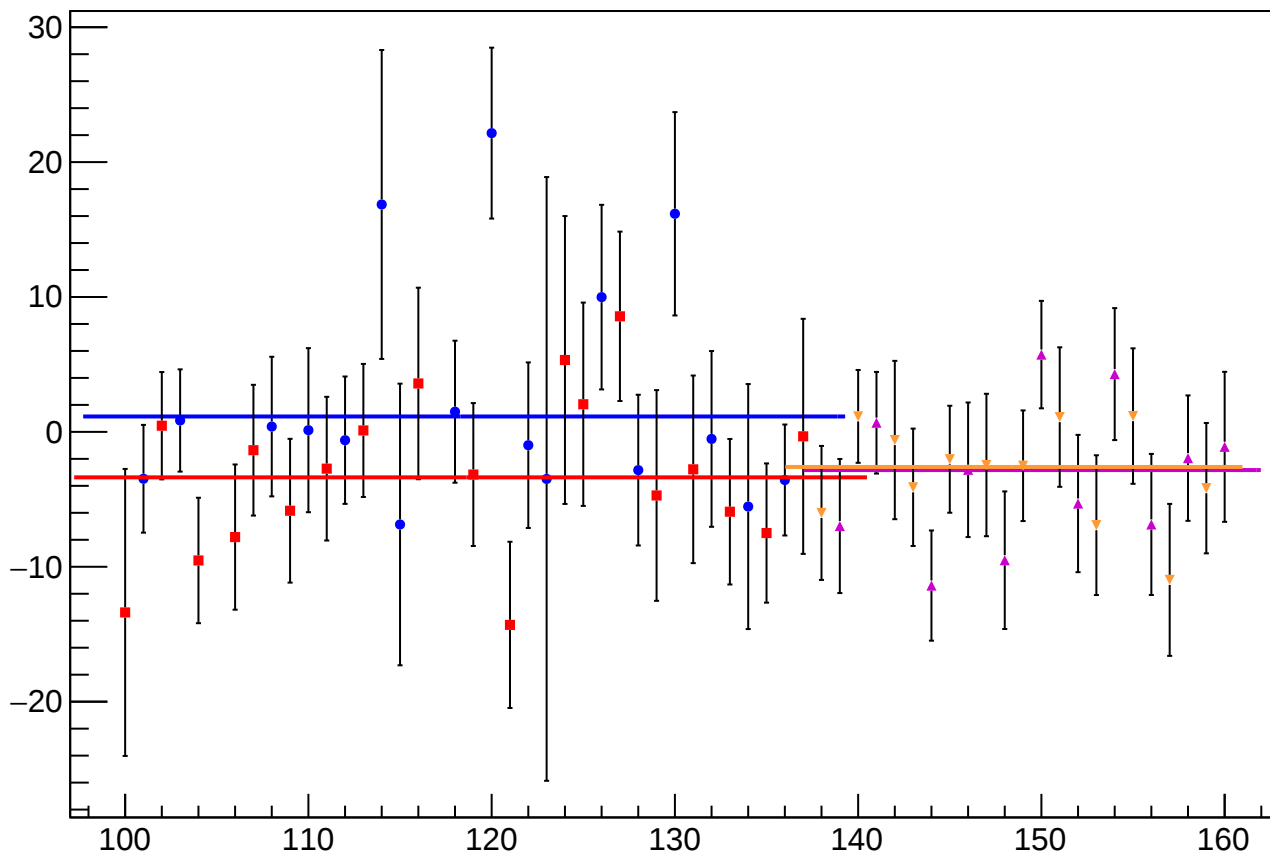
Right Out: 10924.541+/-2.983 χ^2/NDF : 768447.5/18

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

6587.574+/-1.243 χ^2/NDF : 3029652.4/28

6708.453+/-1.255 χ^2/NDF : 3411210.9/29

diff_bpm16Y_mean vs Slug



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

Left Out: -2.601 ± 1.343 χ^2/NDF : 6.0/11

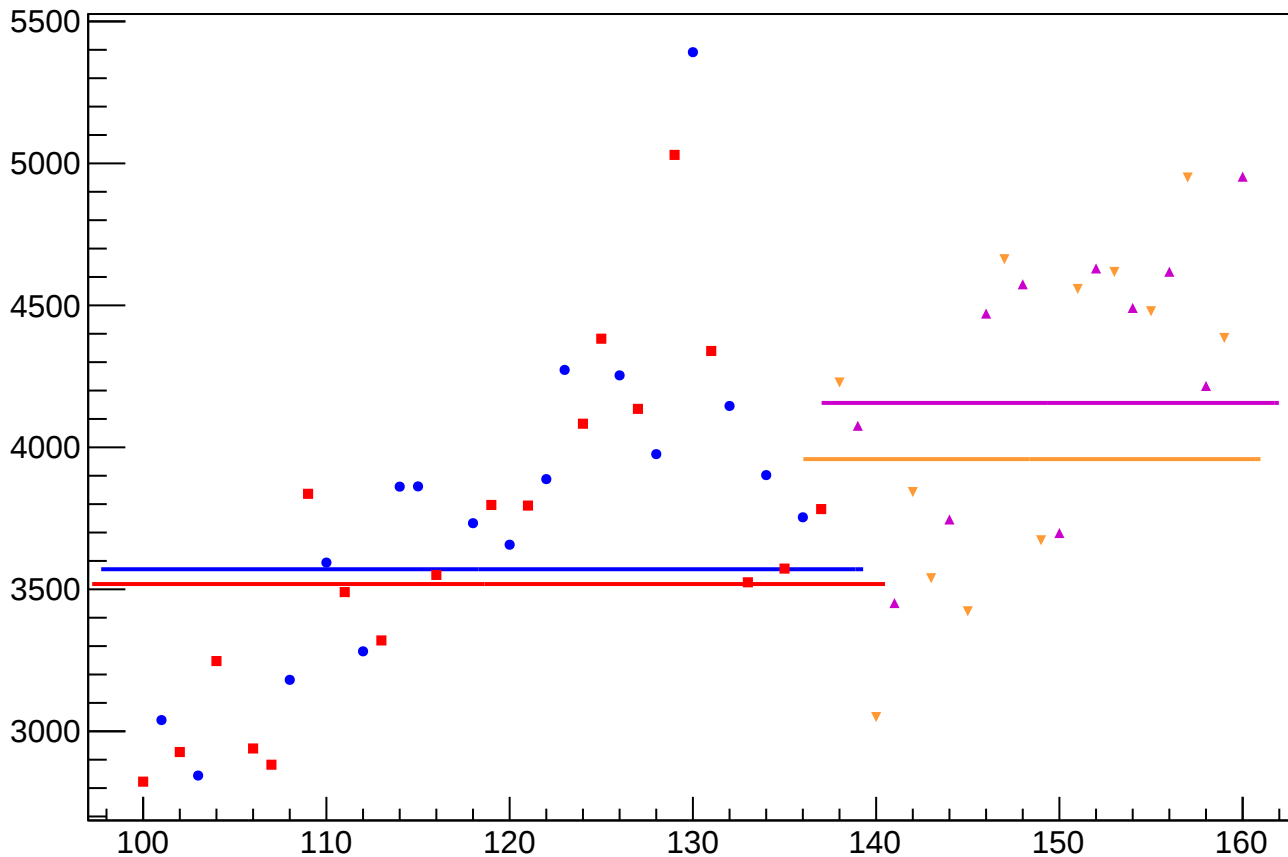
Right Out: -3.371 ± 1.333 χ^2/NDF : 15.1/18

Left In: -2.829 ± 1.403 χ^2/NDF : 15.4/10

-0.800 ± 0.968 χ^2/NDF : 33.0/28

-3.114 ± 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: 3958.555 ± 0.950 χ^2/NDF : 404789.8/11

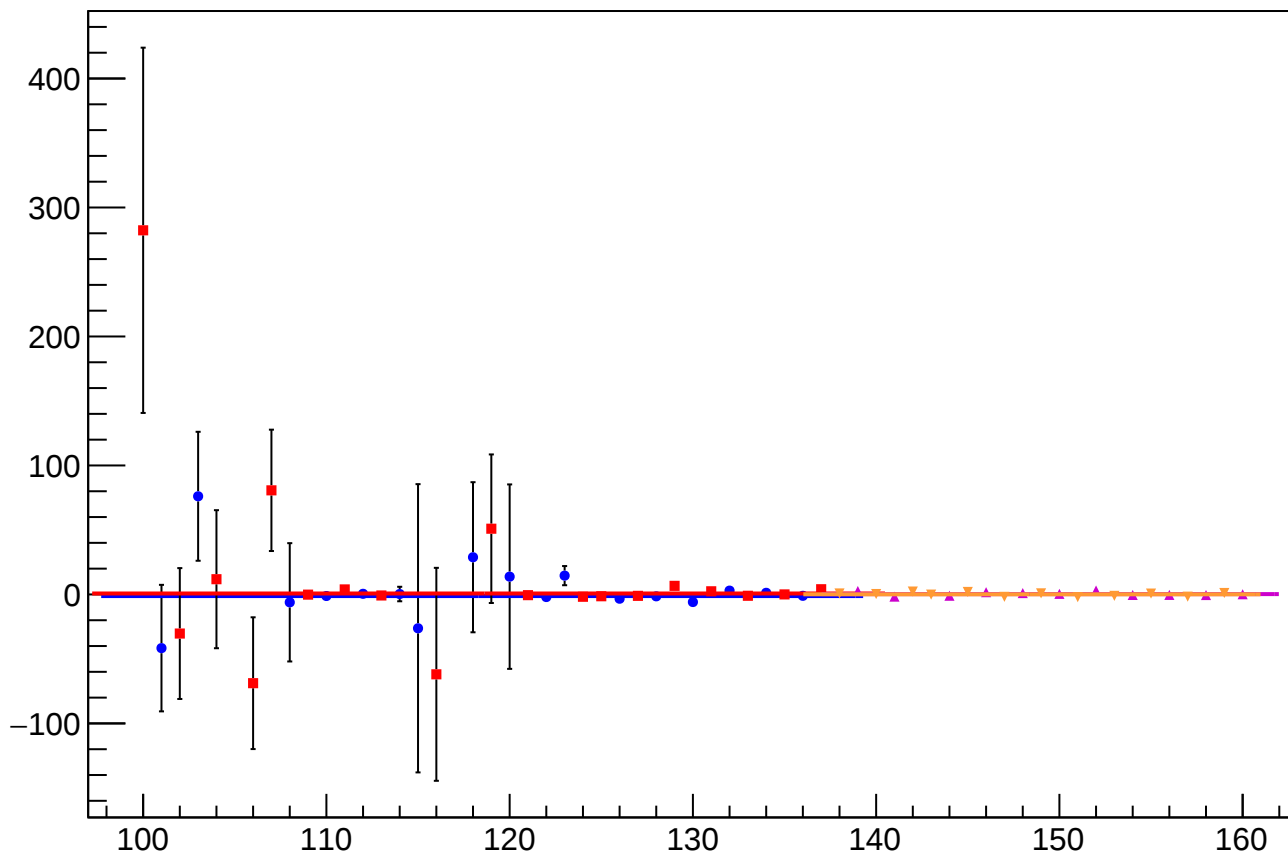
Right Out: 3518.621 ± 0.943 χ^2/NDF : 293227.8/18

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

3772.018 ± 0.684 χ^2/NDF : 794577.8/28

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: 0.103 ± 0.353 χ^2/NDF : 14.3/11

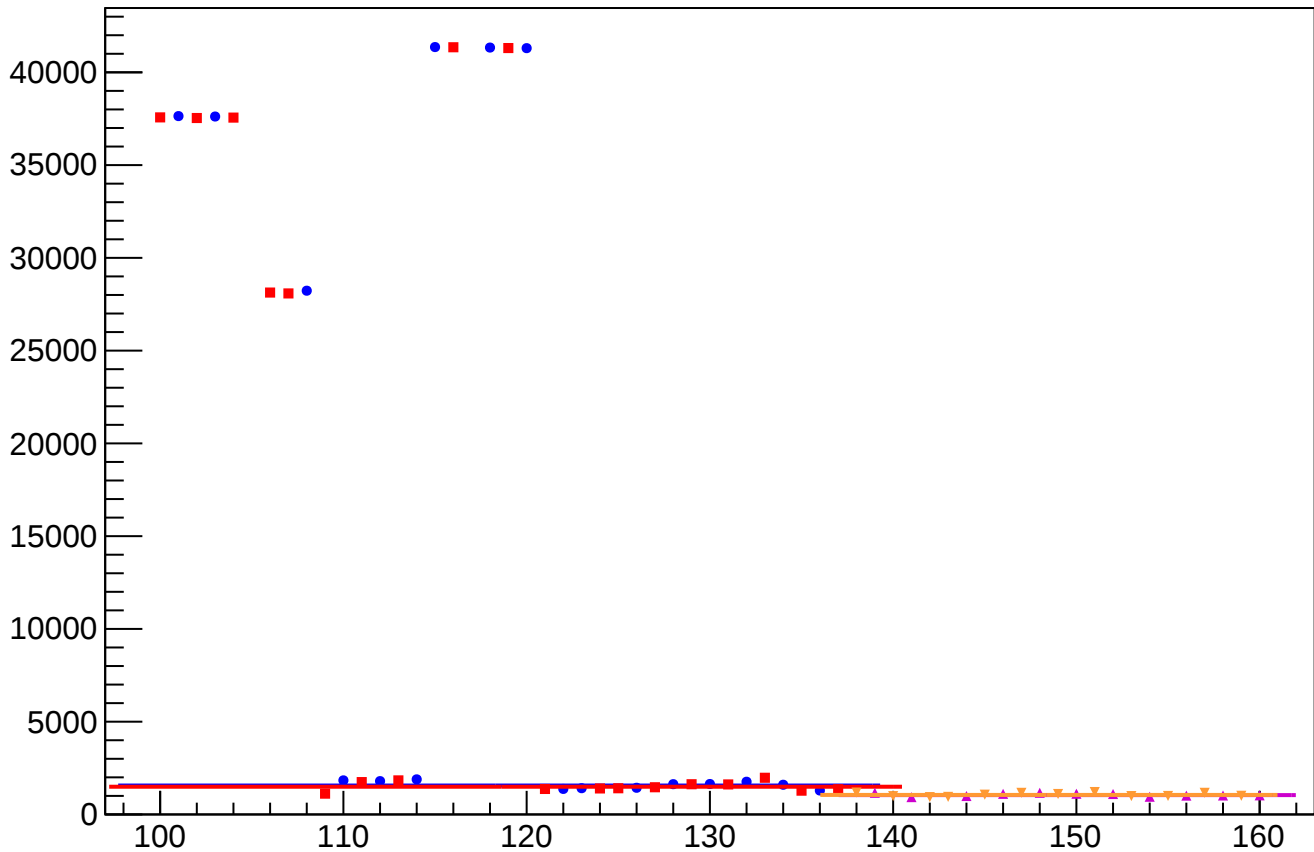
Right Out: 0.733 ± 0.710 χ^2/NDF : 22.1/18

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

-0.146 ± 0.319 χ^2/NDF : 33.3/28

0.352 ± 0.314 χ^2/NDF : 38.5/29

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1052.808 $\pm$ 0.250 χ^2 /NDF: 128526.2/11

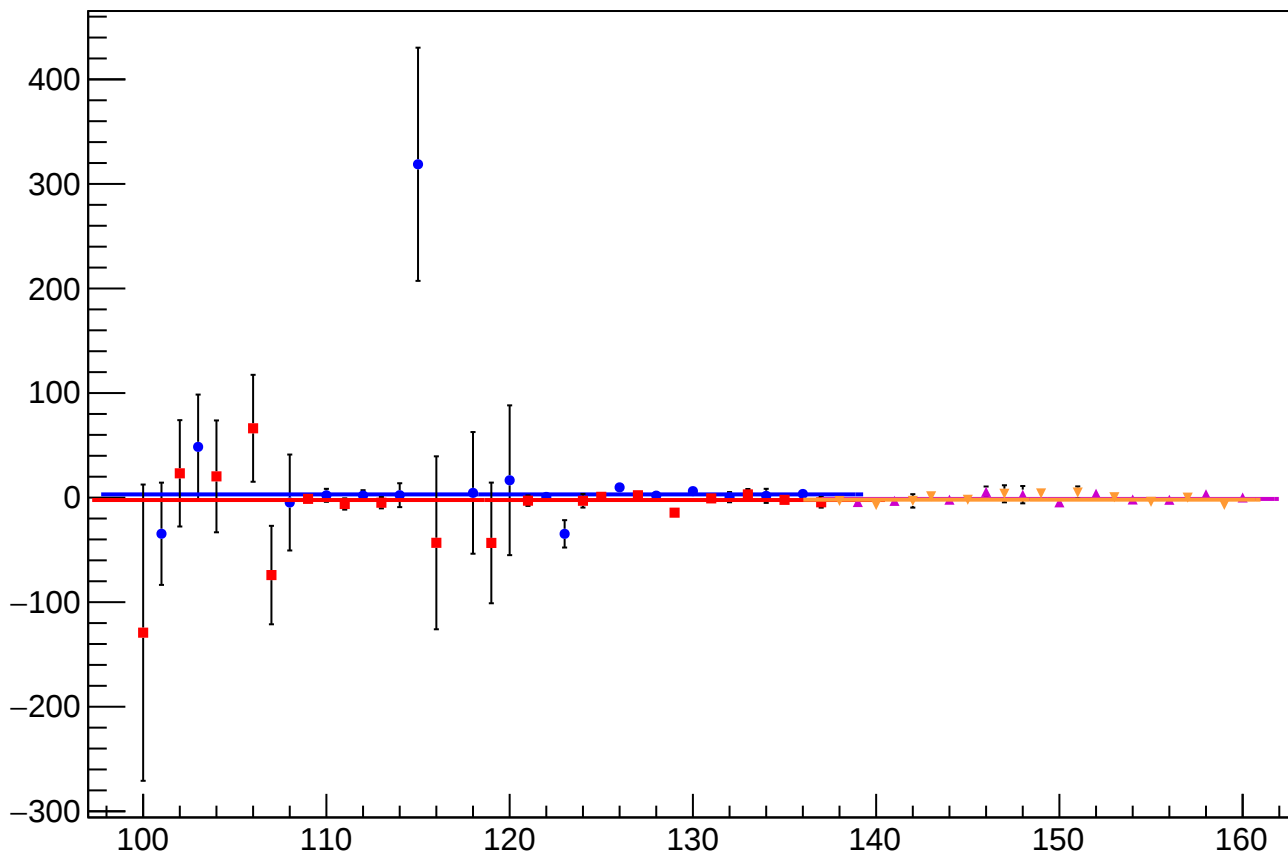
1145.179 $\pm$ 0.226 χ^2 /NDF: 5631218.6/28

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

1131.468 $\pm$ 0.222 χ^2 /NDF: 5638791.0/29

Left In: 1043.049 $\pm$ 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: -1.968+/-1.129 χ^2/NDF : 8.7/11

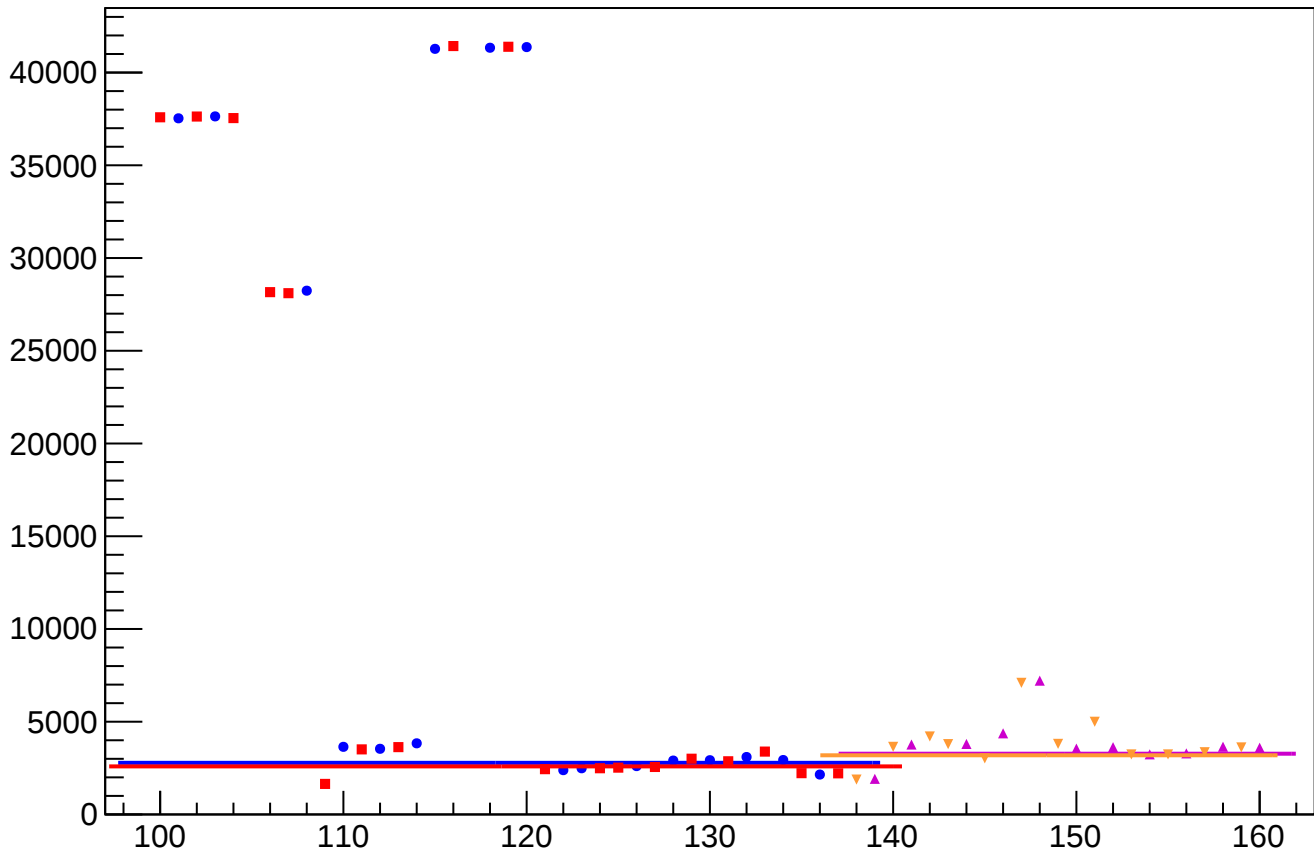
Right Out: -2.306+/-1.235 χ^2/NDF : 16.9/18

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

0.156+/-0.859 χ^2/NDF : 39.0/28

-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: 3190.030+/-0.798 χ^2/NDF : 1497334.0/11

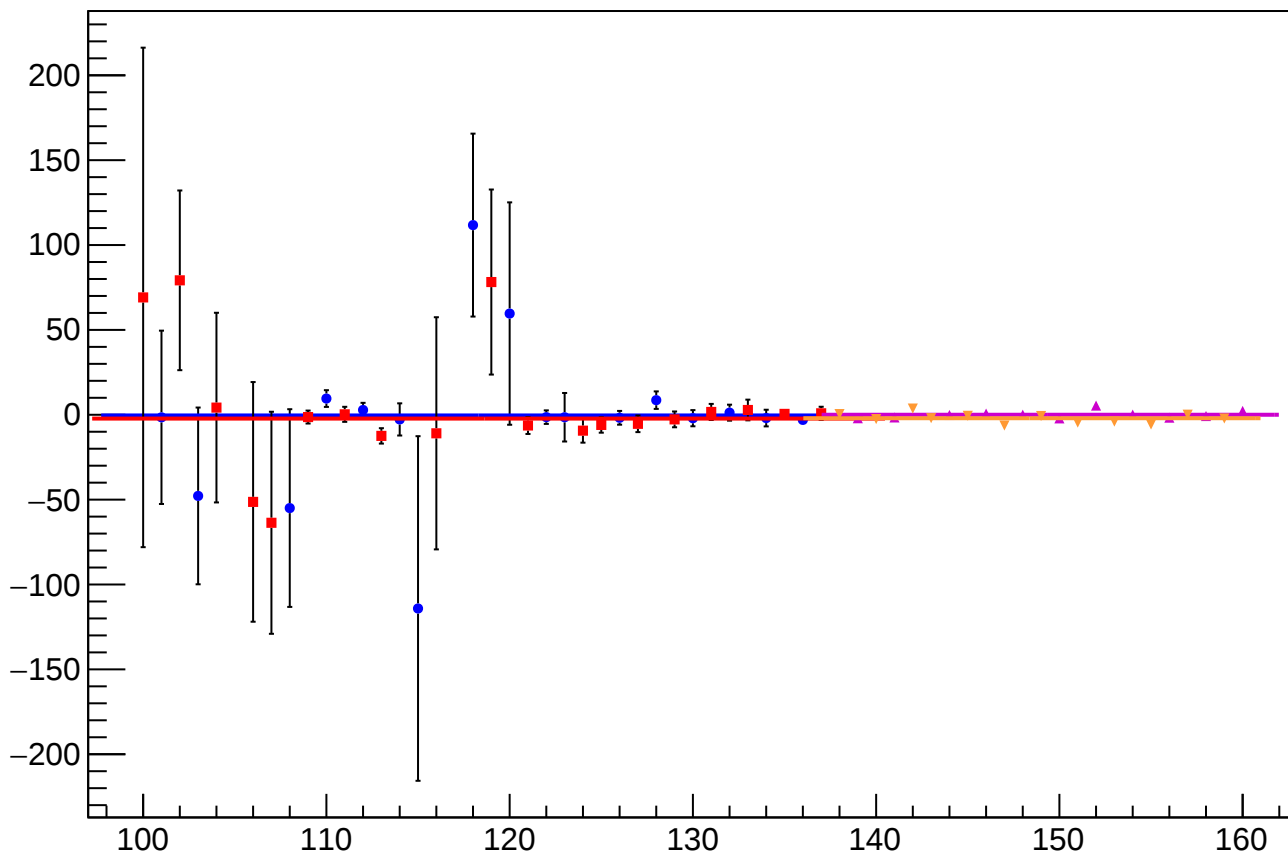
Right Out: 2591.161+/-0.873 χ^2/NDF : 4846722.1/18

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

3019.054+/-0.607 χ^2/NDF : 6183782.8/28

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

diff_bpm1p03aX_mean vs Slug



Right In: -0.403 $\pm$ 1.218 χ^2 /NDF: 18.3/16

Left Out: -2.035 $\pm$ 0.553 χ^2 /NDF: 20.6/11

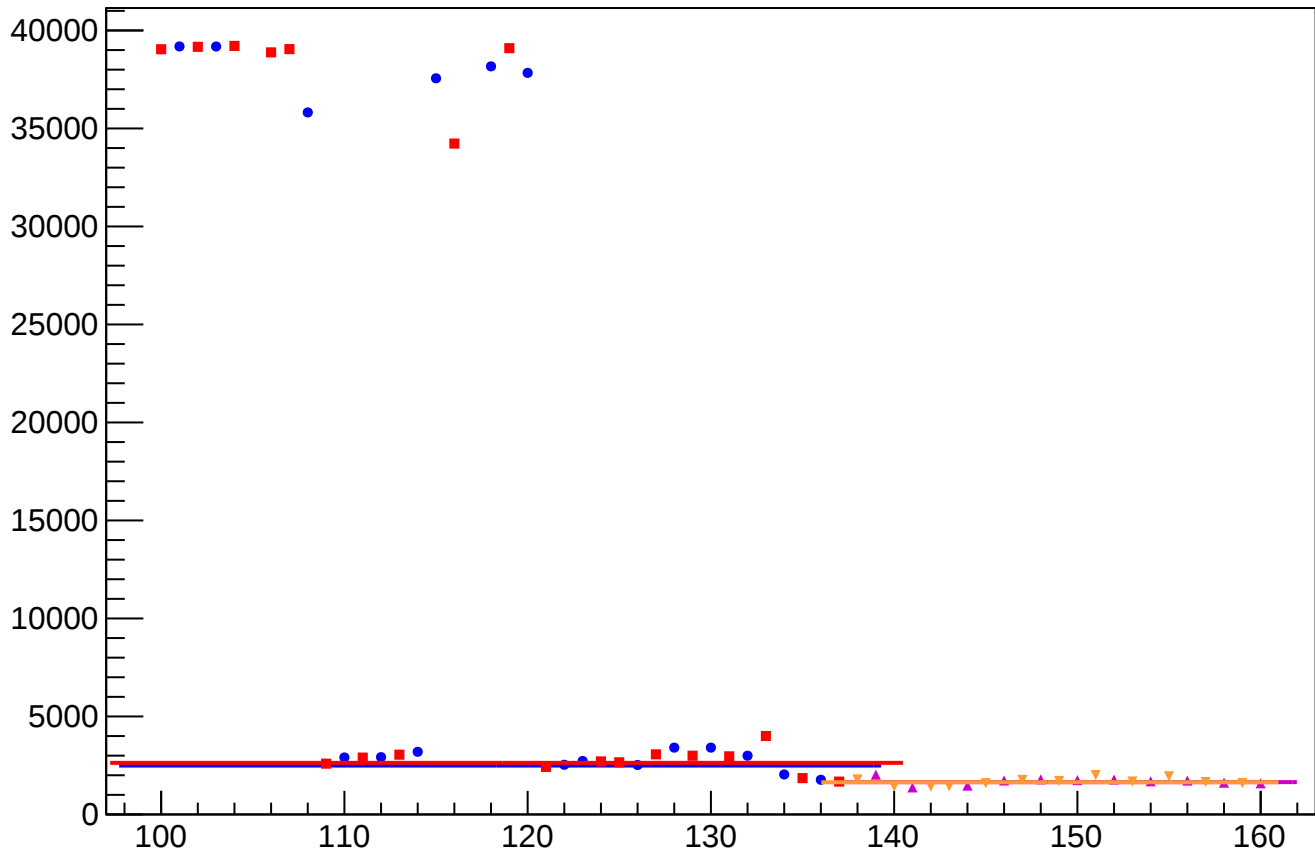
Right Out: -2.245 $\pm$ 1.246 χ^2 /NDF: 17.4/18

Left In: 0.008 $\pm$ 0.556 χ^2 /NDF: 13.4/10

-1.756 $\pm$ 0.503 χ^2 /NDF: 40.4/28

-0.366 $\pm$ 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: 1642.821+/-0.391 χ^2/NDF : 203083.7/11

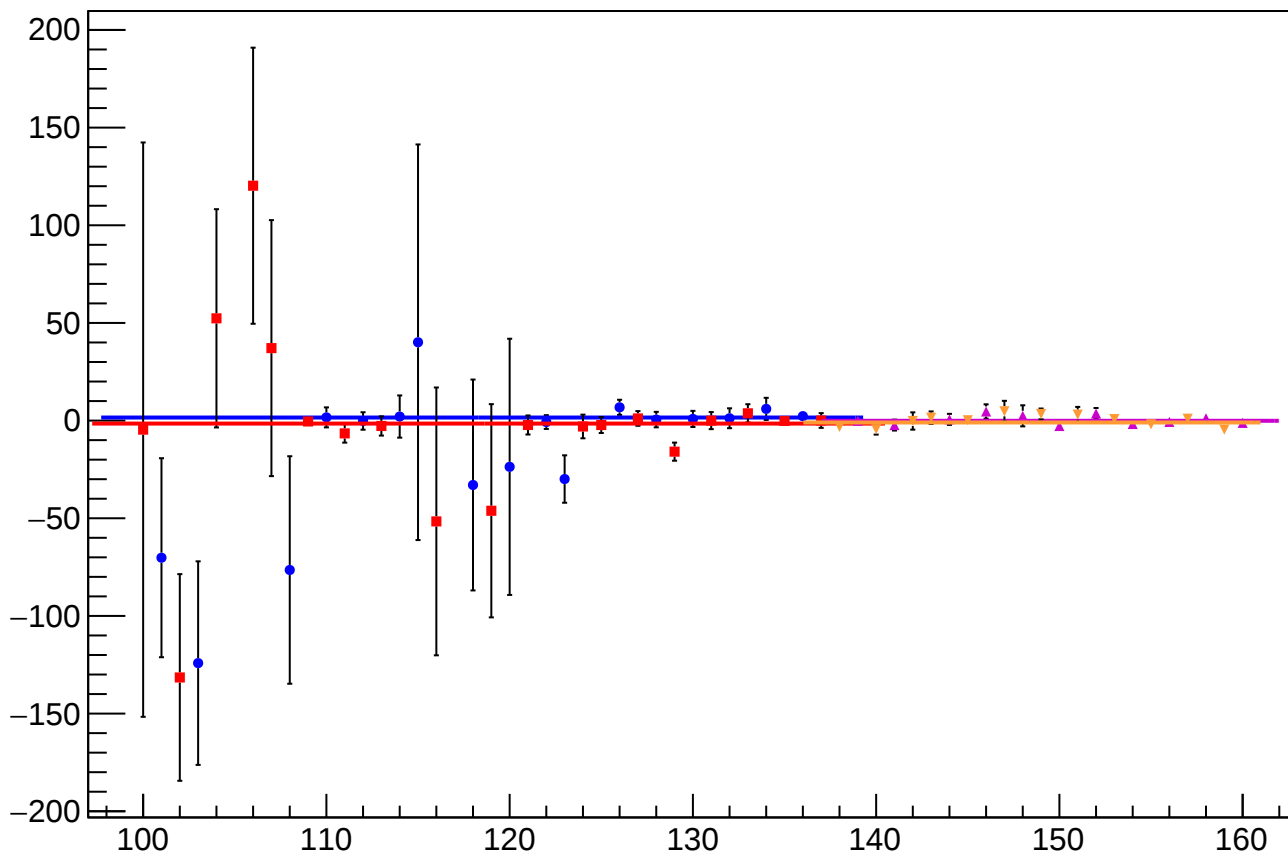
Right Out: 2633.244+/-0.881 χ^2/NDF : 4860512.6/18

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

1788.555+/-0.356 χ^2/NDF : 5898518.2/28

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: -0.958 ± 0.744 χ^2/NDF : 13.0/11

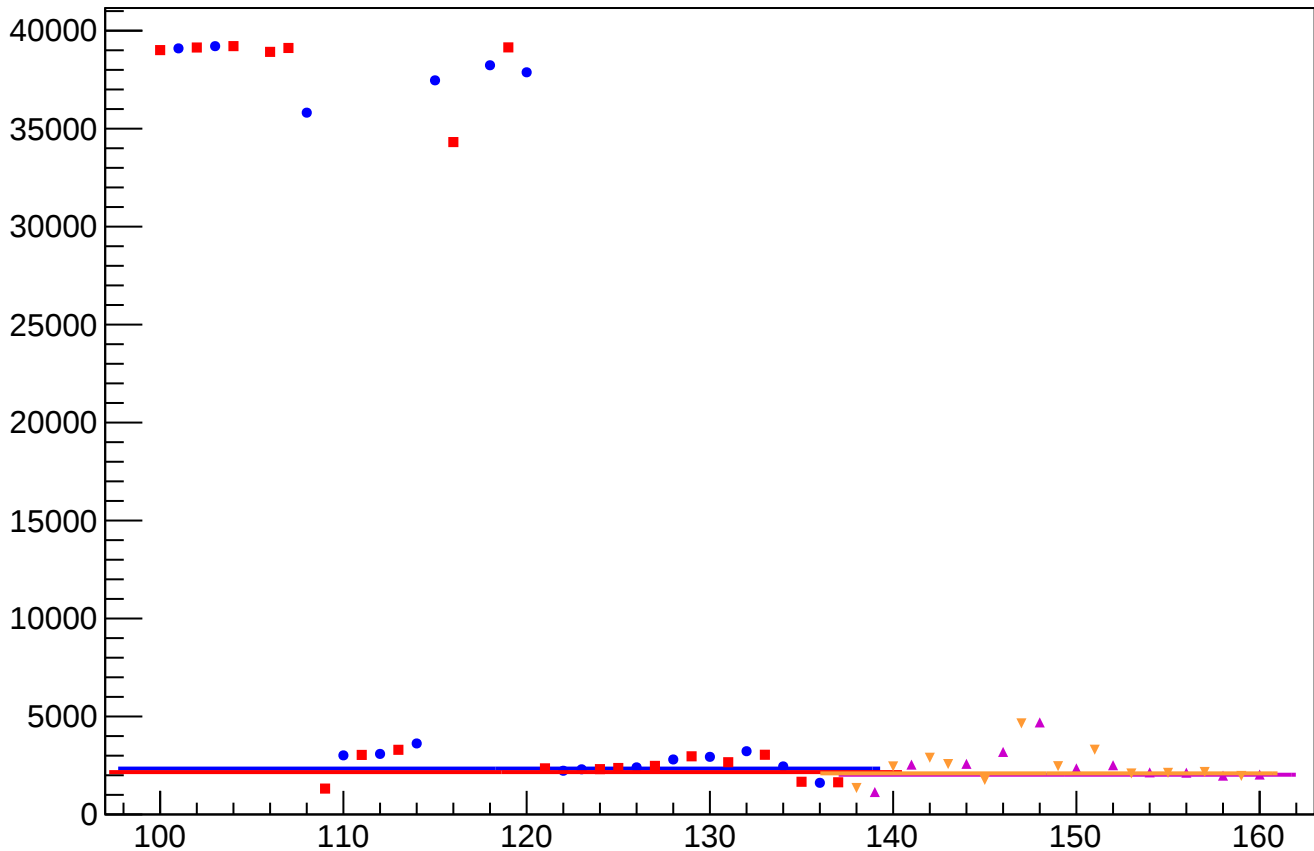
Right Out: -1.524 ± 1.062 χ^2/NDF : 25.0/18

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

-0.205 ± 0.623 χ^2/NDF : 36.8/28

-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: 2097.524+/-0.526 χ^2/NDF : 1264215.8/11

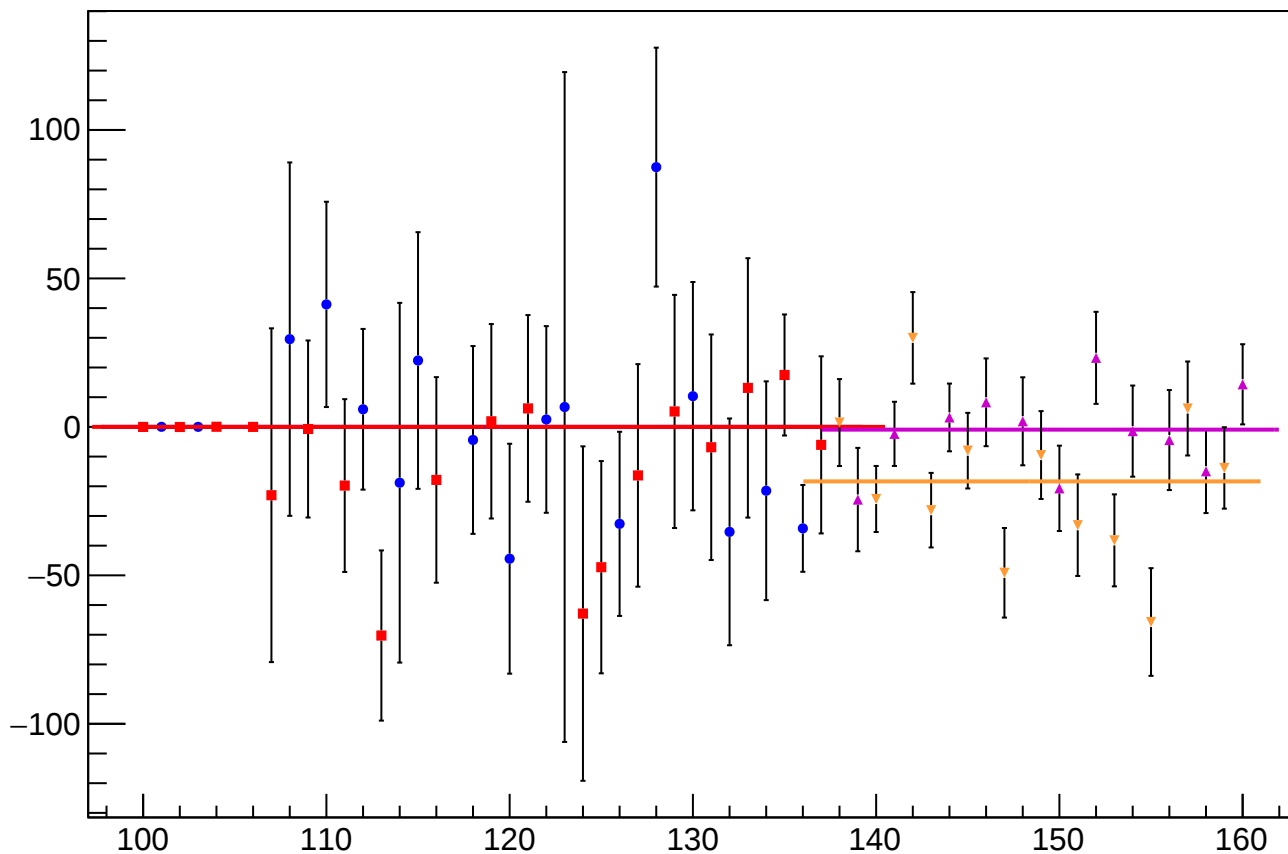
Right Out: 2161.162+/-0.751 χ^2/NDF : 5299050.1/18

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

2169.964+/-0.441 χ^2/NDF : 6334917.7/28

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: -18.352+/-4.139 χ^2/NDF : 29.4/11

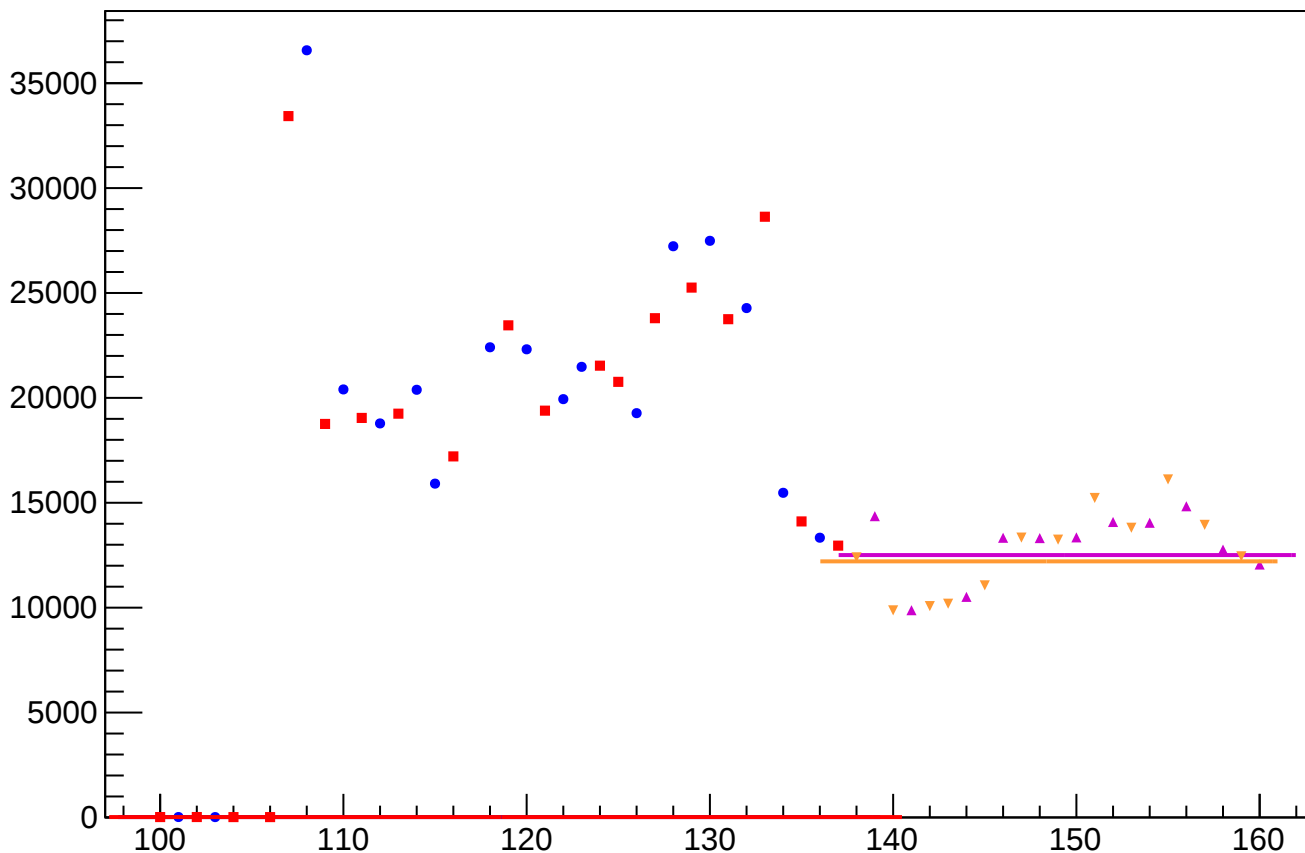
Right Out: 0.003+/-0.016 χ^2/NDF : 15.9/18

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

0.013+/-0.017 χ^2/NDF : 65.3/28

0.003+/-0.016 χ^2/NDF : 25.0/29

diff_cav4bX_rms vs Slug



Right In: 18.642 ± 0.012 $\chi^2/\text{NDF}: 10984160.5/16$

Left Out: 12207.208 ± 2.927 $\chi^2/\text{NDF}: 417104.4/11$

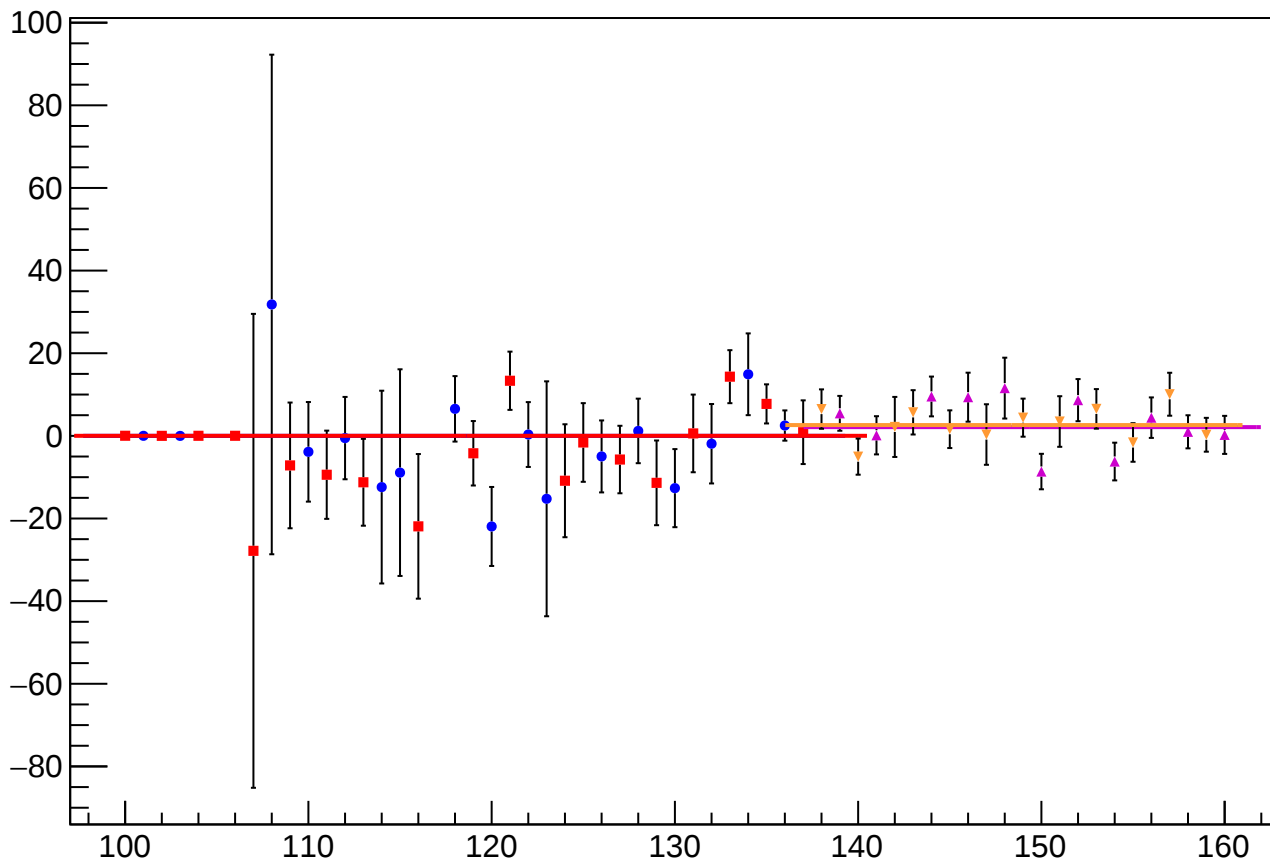
Right Out: 18.311 ± 0.011 $\chi^2/\text{NDF}: 11110665.6/18$

Left In: 12507.285 ± 2.988 $\chi^2/\text{NDF}: 302959.3/10$

18.855 ± 0.012 $\chi^2/\text{NDF}: 28741773.1/28$

18.492 ± 0.011 $\chi^2/\text{NDF}: 28877558.8/29$

diff_cav4bY_mean vs Slug



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

Left Out: 2.613+/-1.448 χ^2/NDF : 8.2/11

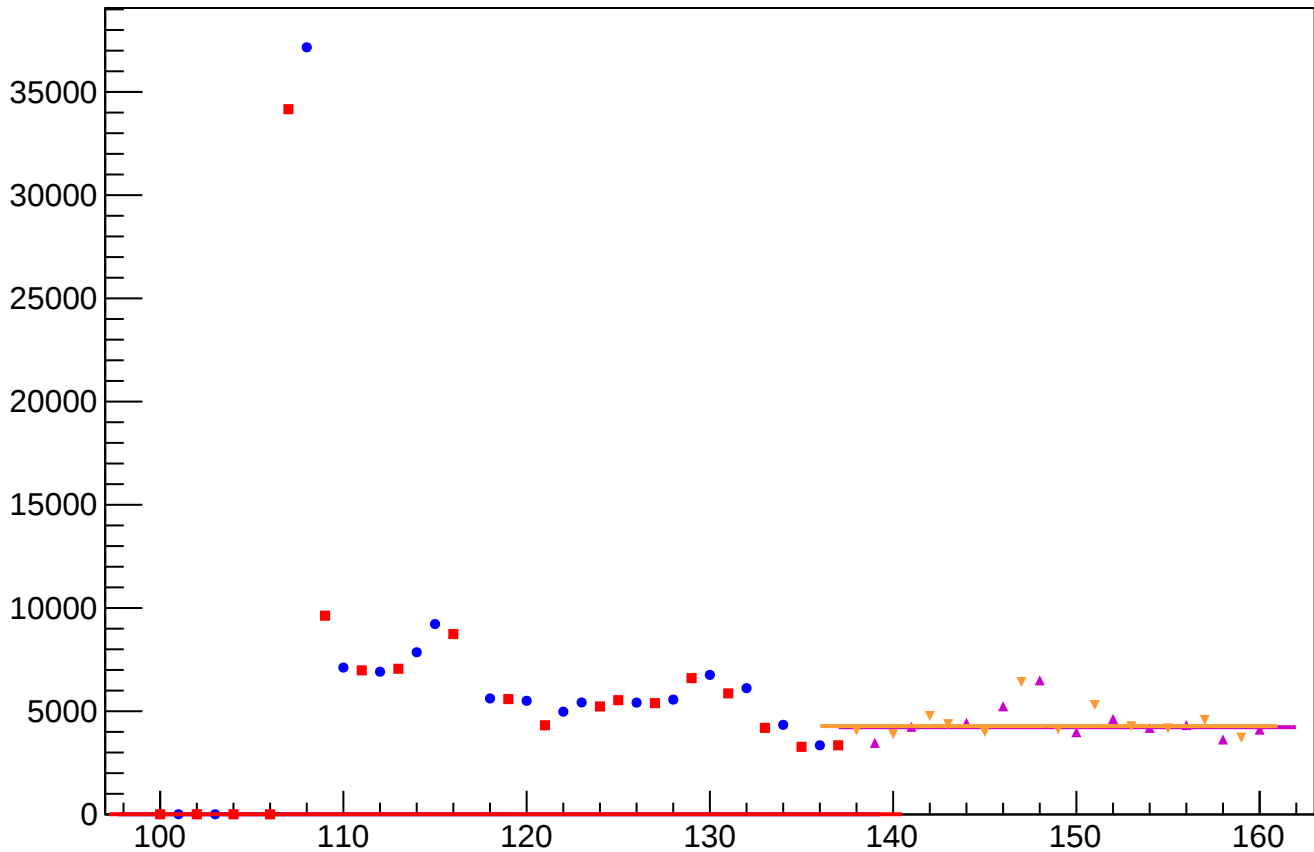
Right Out: 0.014+/-0.009 χ^2/NDF : 18.6/18

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

0.001+/-0.009 χ^2/NDF : 24.5/28

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: 4281.110+/-1.024 χ^2/NDF : 309698.1/11

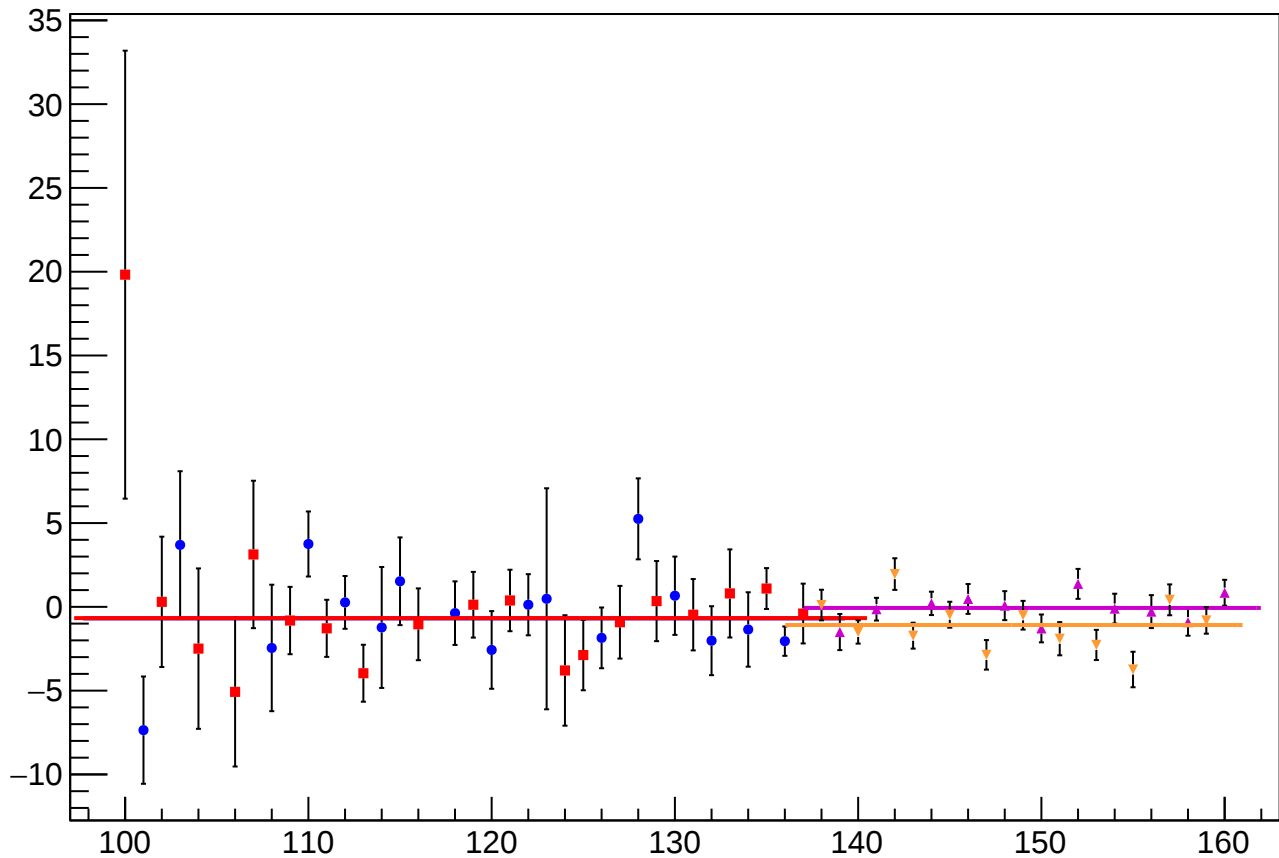
Right Out: 9.854+/-0.006 χ^2/NDF : 11159992.3/18

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

10.111+/-0.007 χ^2/NDF : 28814890.1/28

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: -1.084 ± 0.248 χ^2/NDF : 29.8/11

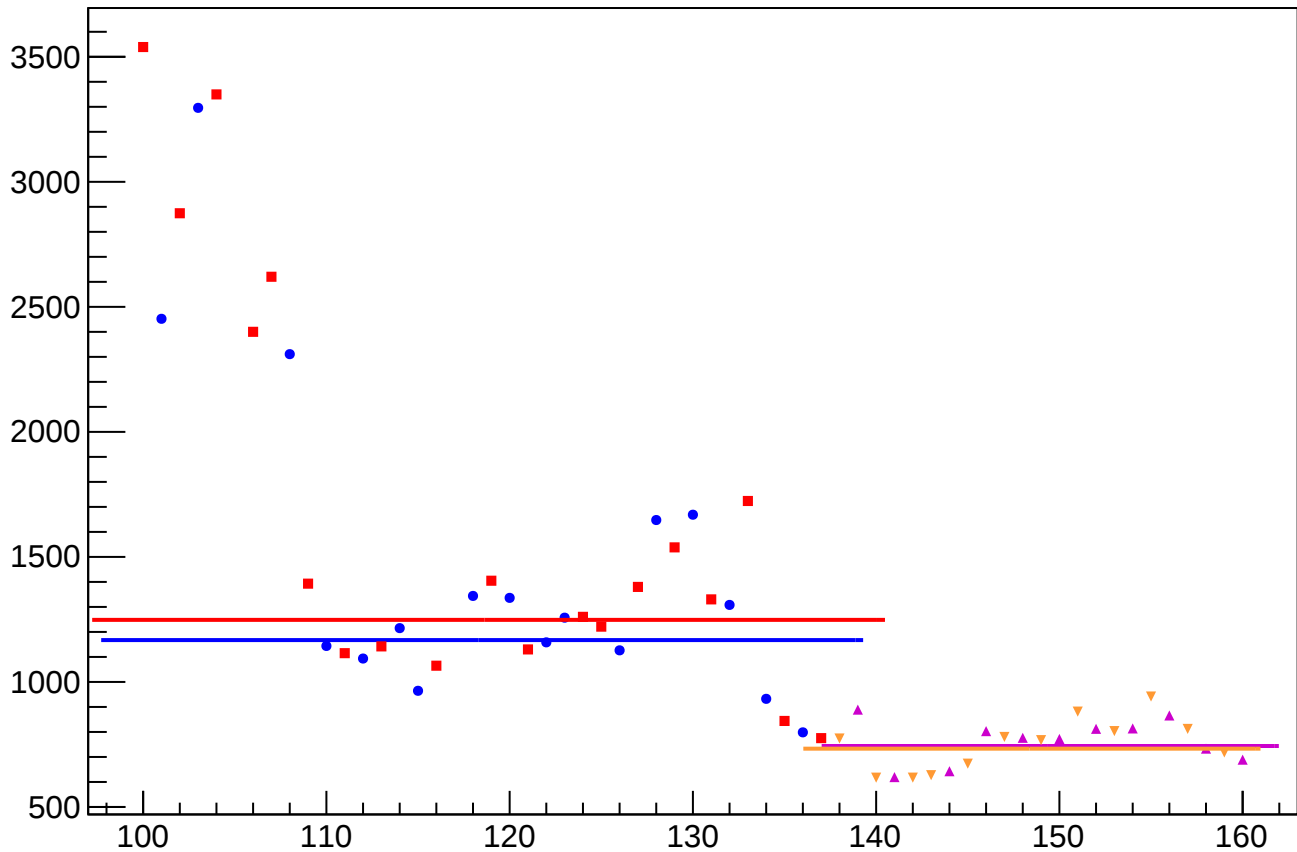
Right Out: -0.672 ± 0.501 χ^2/NDF : 13.3/18

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

-1.001 ± 0.220 χ^2/NDF : 52.8/28

-0.187 ± 0.224 χ^2/NDF : 24.1/29

diff_cav4cX_rms vs Slug



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

Left Out: 733.160 ± 0.175 $\chi^2/\text{NDF}: 298102.4/11$

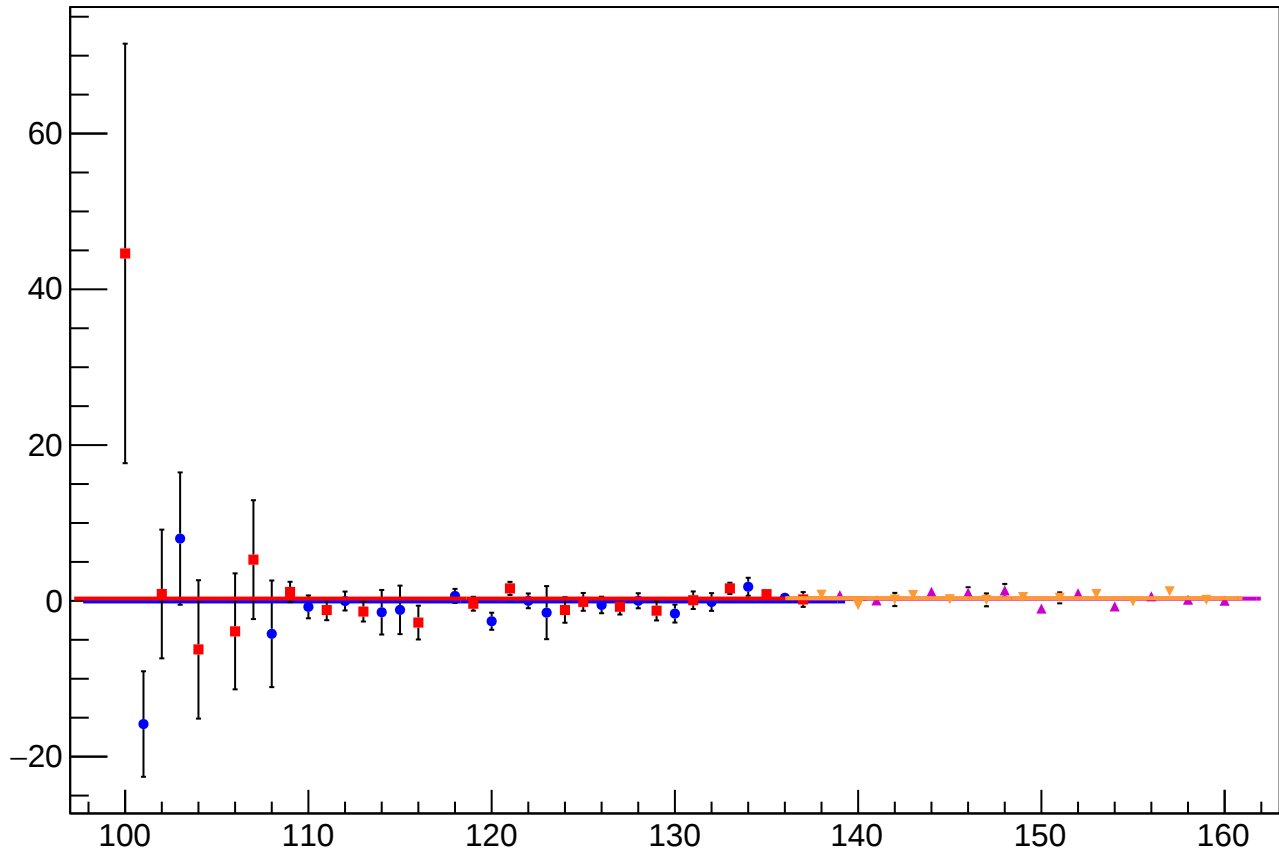
Right Out: 1248.241 ± 0.354 $\chi^2/\text{NDF}: 1654028.9/18$

Left In: 743.824 ± 0.177 $\chi^2/\text{NDF}: 225411.6/10$

823.756 ± 0.156 $\chi^2/\text{NDF}: 3159579.7/28$

844.936 ± 0.159 $\chi^2/\text{NDF}: 3502506.4/29$

diff_cav4cY_mean vs Slug



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

Left Out: 0.344 ± 0.173 χ^2/NDF : 7.7/11

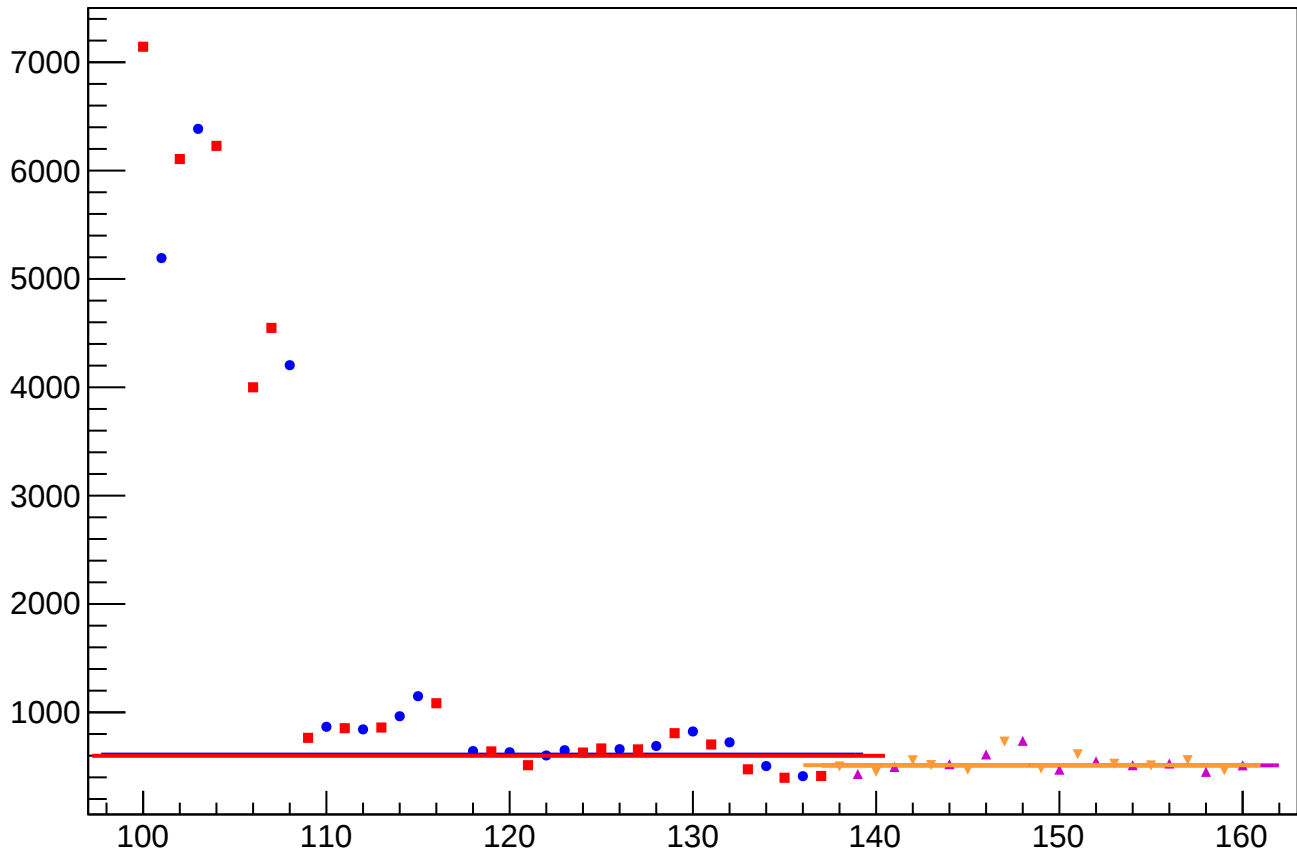
Right Out: 0.294 ± 0.264 χ^2/NDF : 20.2/18

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

0.222 ± 0.145 χ^2/NDF : 28.7/28

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: 512.517 $\pm$ 0.122 χ^2 /NDF: 261951.4/11

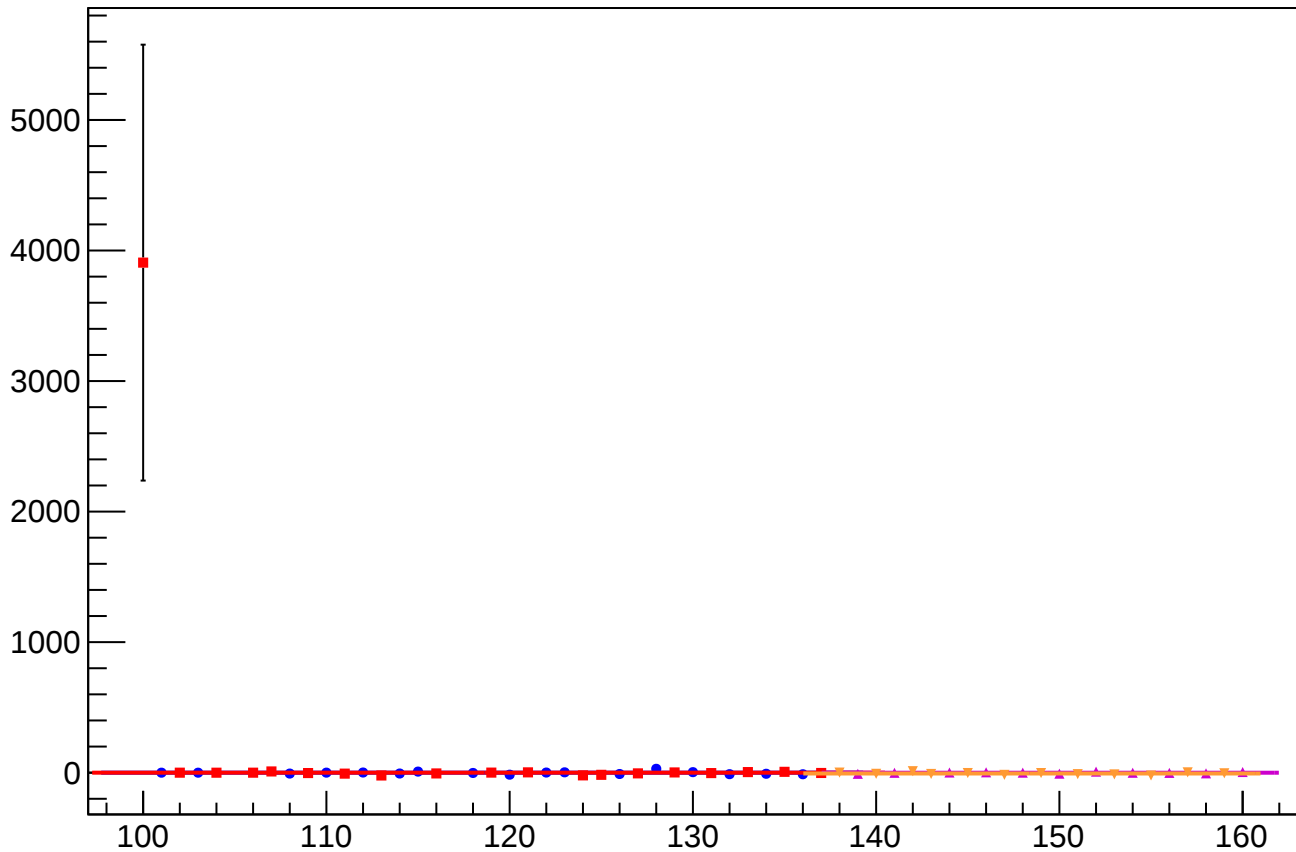
541.047 $\pm$ 0.103 χ^2 /NDF: 3583280.1/28

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: -6.257 ± 1.439 χ^2/NDF : 29.8/11

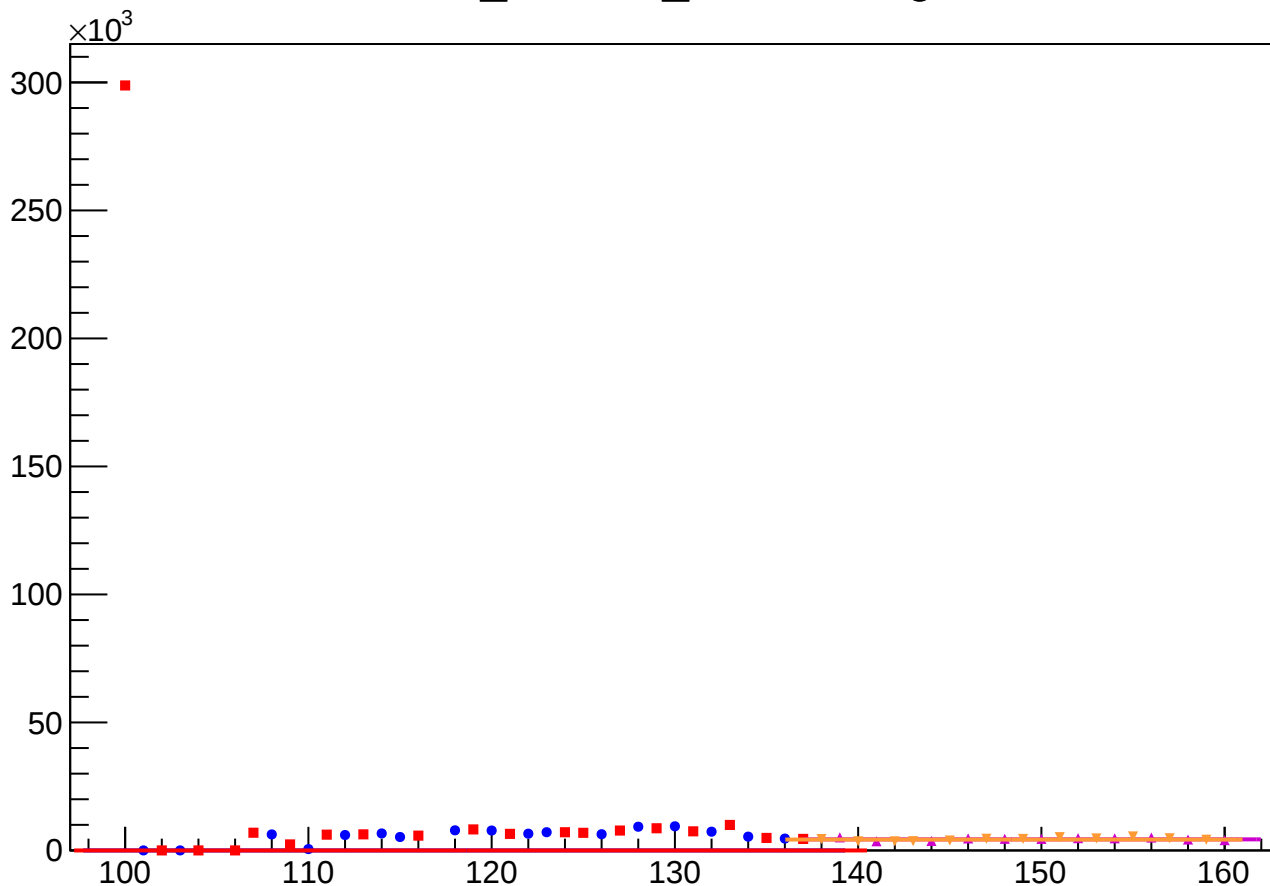
Right Out: -0.027 ± 0.020 χ^2/NDF : 17.9/18

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

-0.023 ± 0.021 χ^2/NDF : 64.2/28

-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: 4258.222 $\pm$ 1.018 χ^2 /NDF: 321176.0/11

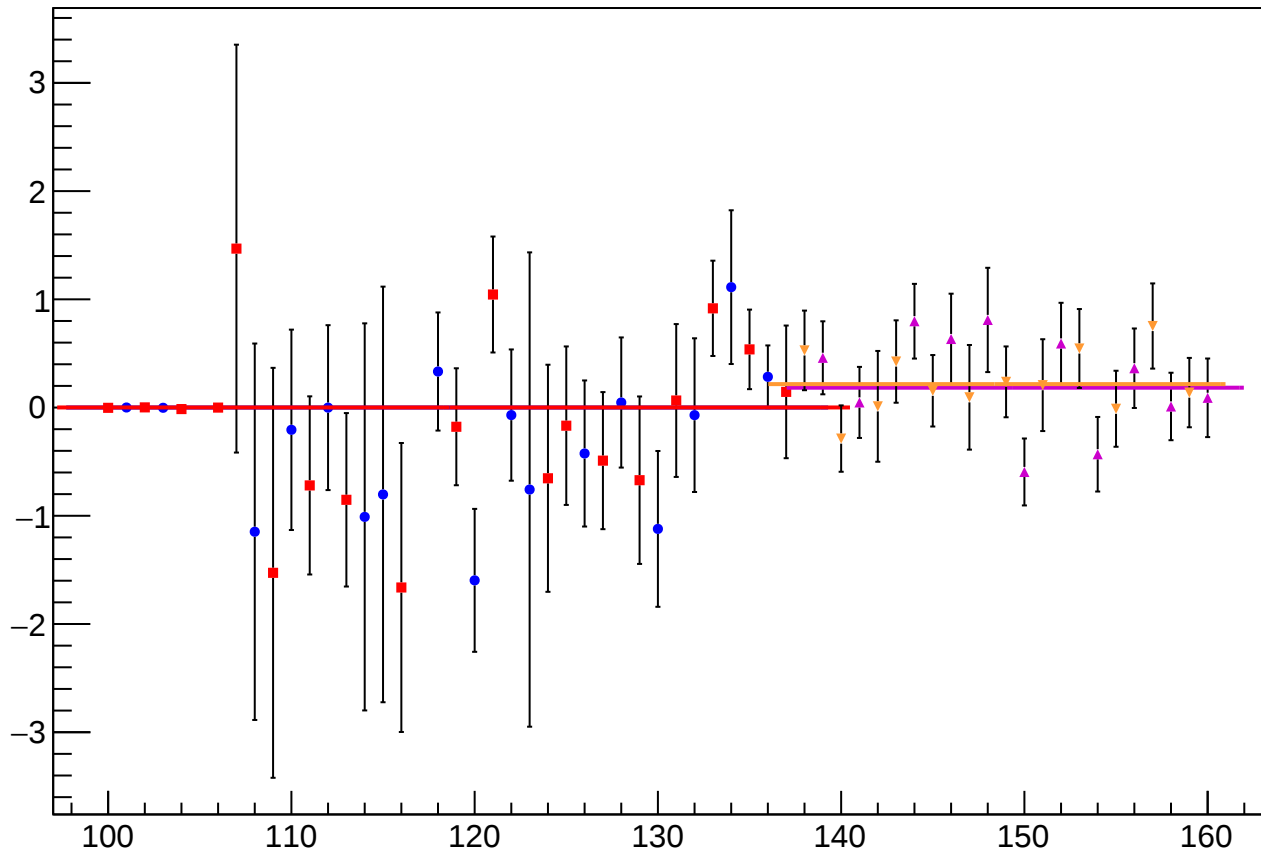
Right Out: 17.269 $\pm$ 0.014 χ^2 /NDF: 10820611.7/18

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

18.226 $\pm$ 0.015 χ^2 /NDF: 28182477.7/28

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: 0.217 $\pm$ 0.106 χ^2 /NDF: 7.1/11

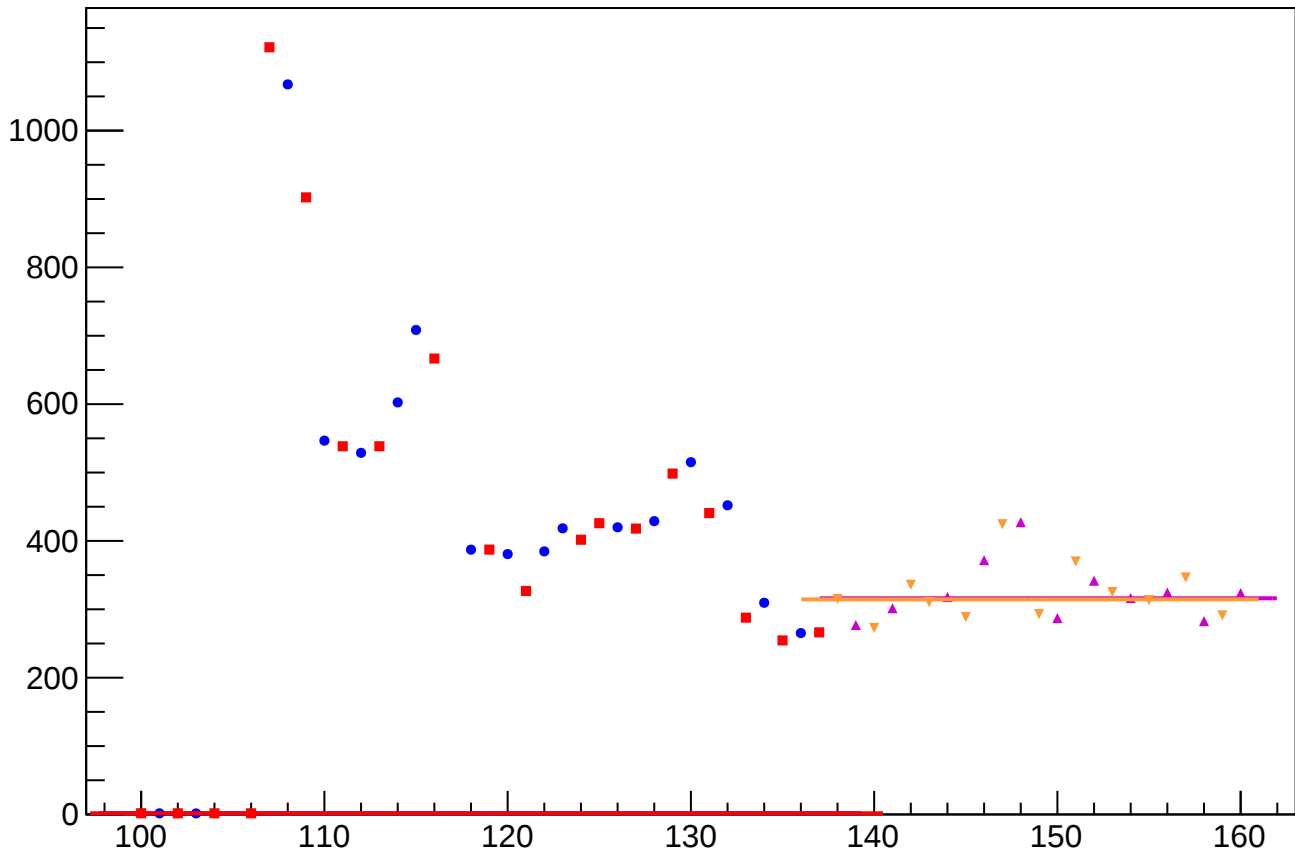
Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 17.9/18

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

0.000 $\pm$ 0.002 χ^2 /NDF: 25.1/28

0.001 $\pm$ 0.002 χ^2 /NDF: 39.0/29

diff_cav4dY_rms vs Slug



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

Left Out: 314.540 $\pm$ 0.075 χ^2 /NDF: 225044.1/11

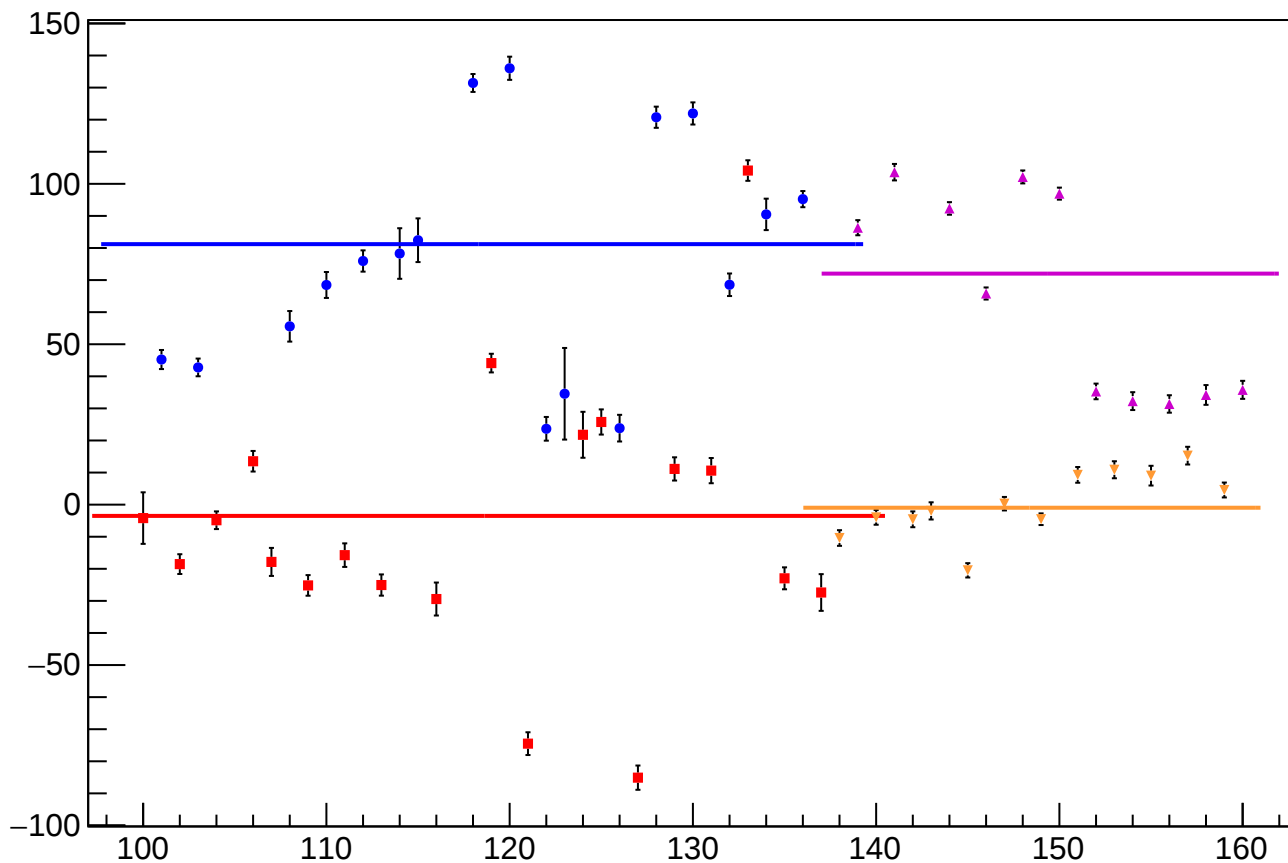
Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 10743910.0/18

Left In: 316.074 $\pm$ 0.075 χ^2 /NDF: 224758.7/10

1.813 $\pm$ 0.001 χ^2 /NDF: 28673999.1/28

1.832 $\pm$ 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: -0.961 $\pm$ 0.687 χ^2 /NDF:187.5/11

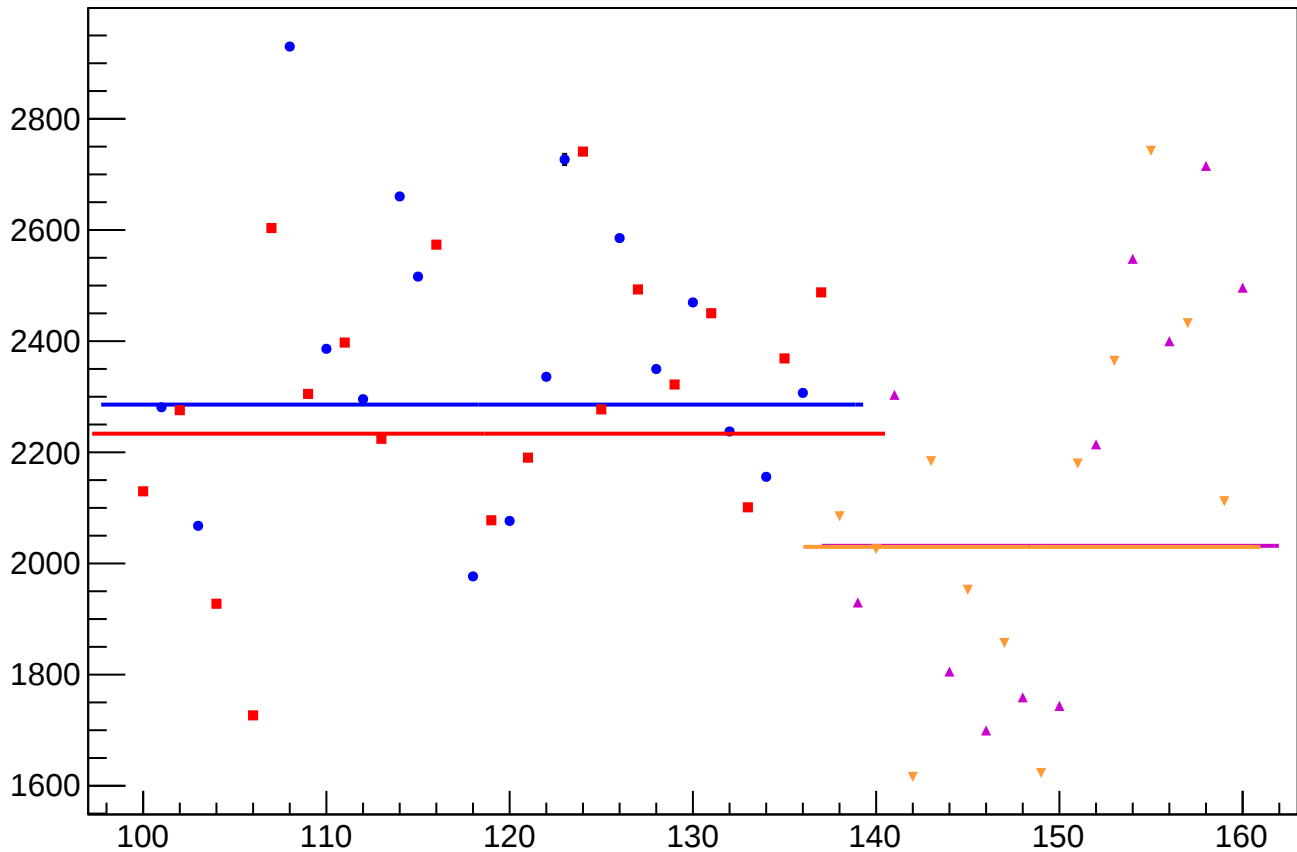
Right Out: -3.508 $\pm$ 0.843 χ^2 /NDF: 2599.0/18

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

29.881 $\pm$ 0.543 χ^2 /NDF: 7272.5/28

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: 2029.881+/-0.486 χ^2/NDF : 371762.9/11

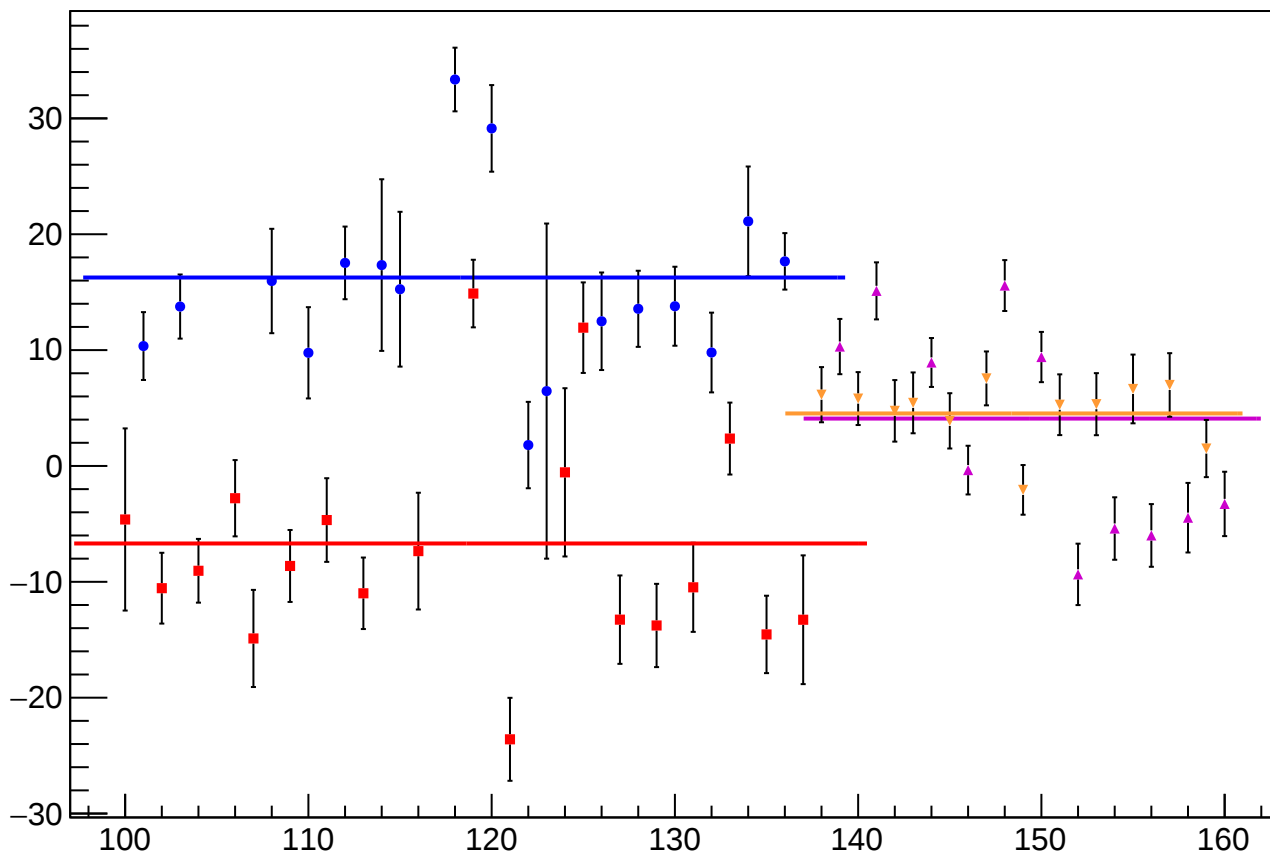
Right Out: 2233.547+/-0.596 χ^2/NDF : 146848.5/18

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

2125.969+/-0.384 χ^2/NDF : 585444.9/28

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

diff_bpm0i01Y_mean vs Slug



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

Left Out: 4.532+/-0.720 χ^2 /NDF:15.1/11

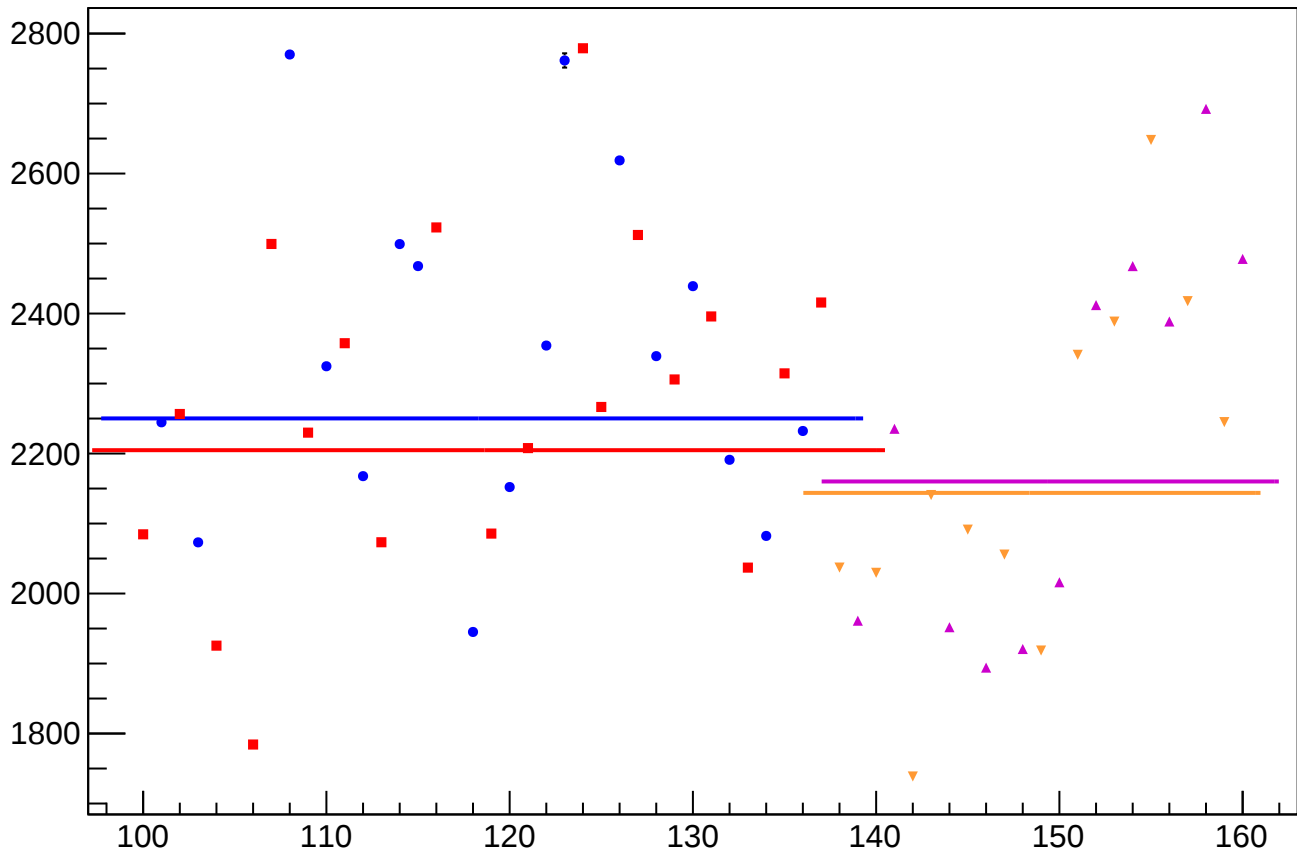
Right Out: -6.690+/-0.831 χ^2 /NDF: 134.0/18

Left In: 4.089+/-0.732 χ^2 /NDF:137.1/10

9.292+/-0.555 χ^2 /NDF: 203.7/28

-0.619+/-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: 2143.783+/-0.509 χ^2/NDF : 190563.6/11

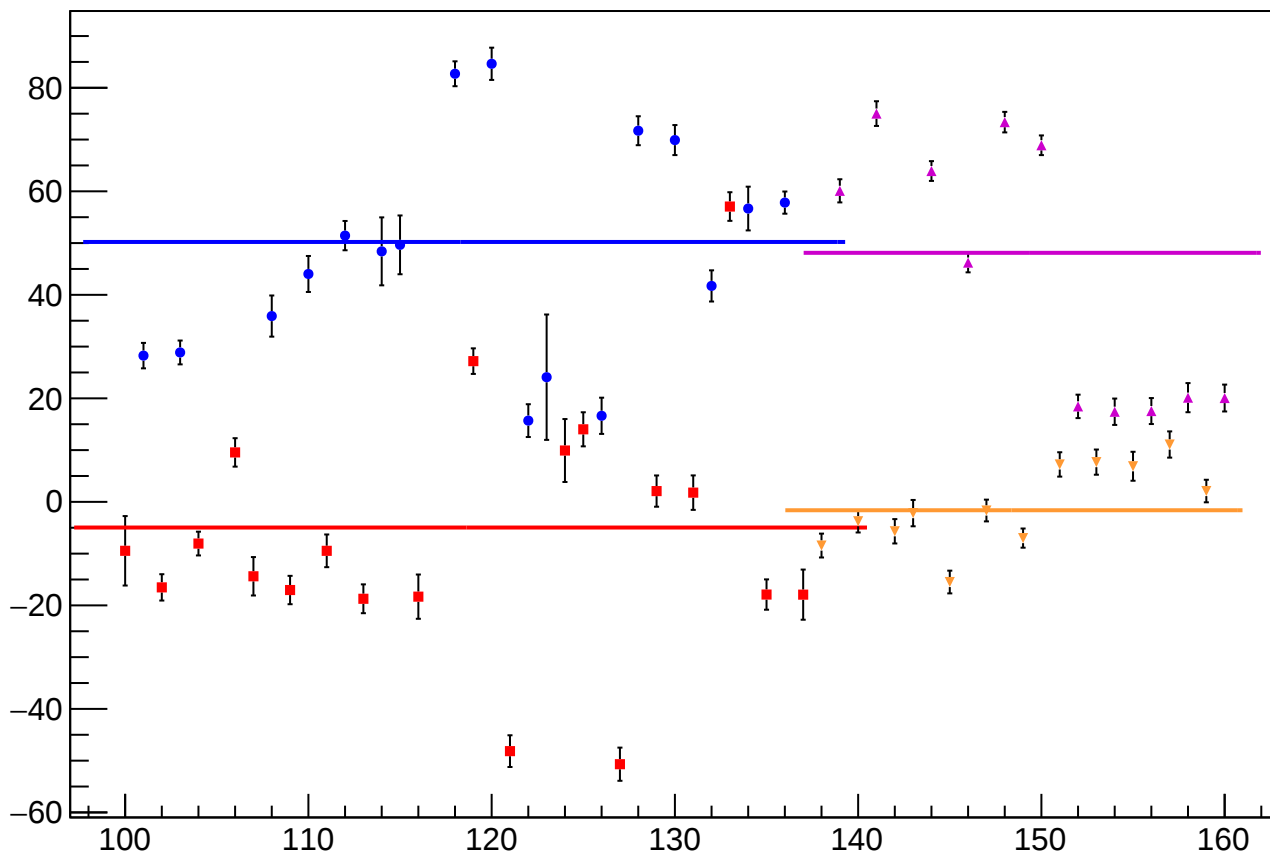
Right Out: 2204.789+/-0.587 χ^2/NDF : 126227.4/18

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

2186.947+/-0.393 χ^2/NDF : 305855.1/28

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: -1.621+/-0.659 χ^2 /NDF:127.0/11

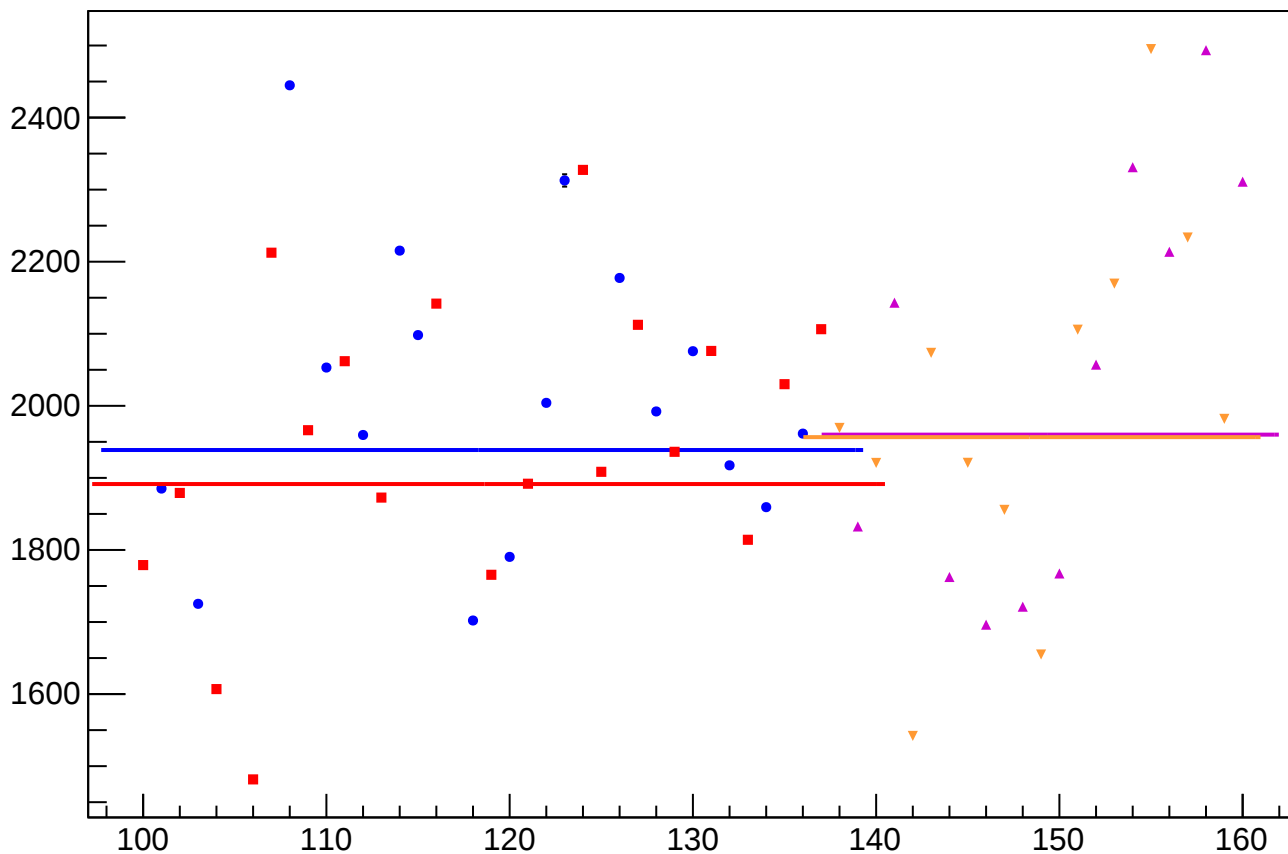
Right Out: -4.958+/-0.713 χ^2 /NDF: 1262.6/18

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

20.930+/-0.495 χ^2 /NDF: 3650.4/28

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: 1956.557 $\pm$ 0.466 χ^2 /NDF: 246694.7/11

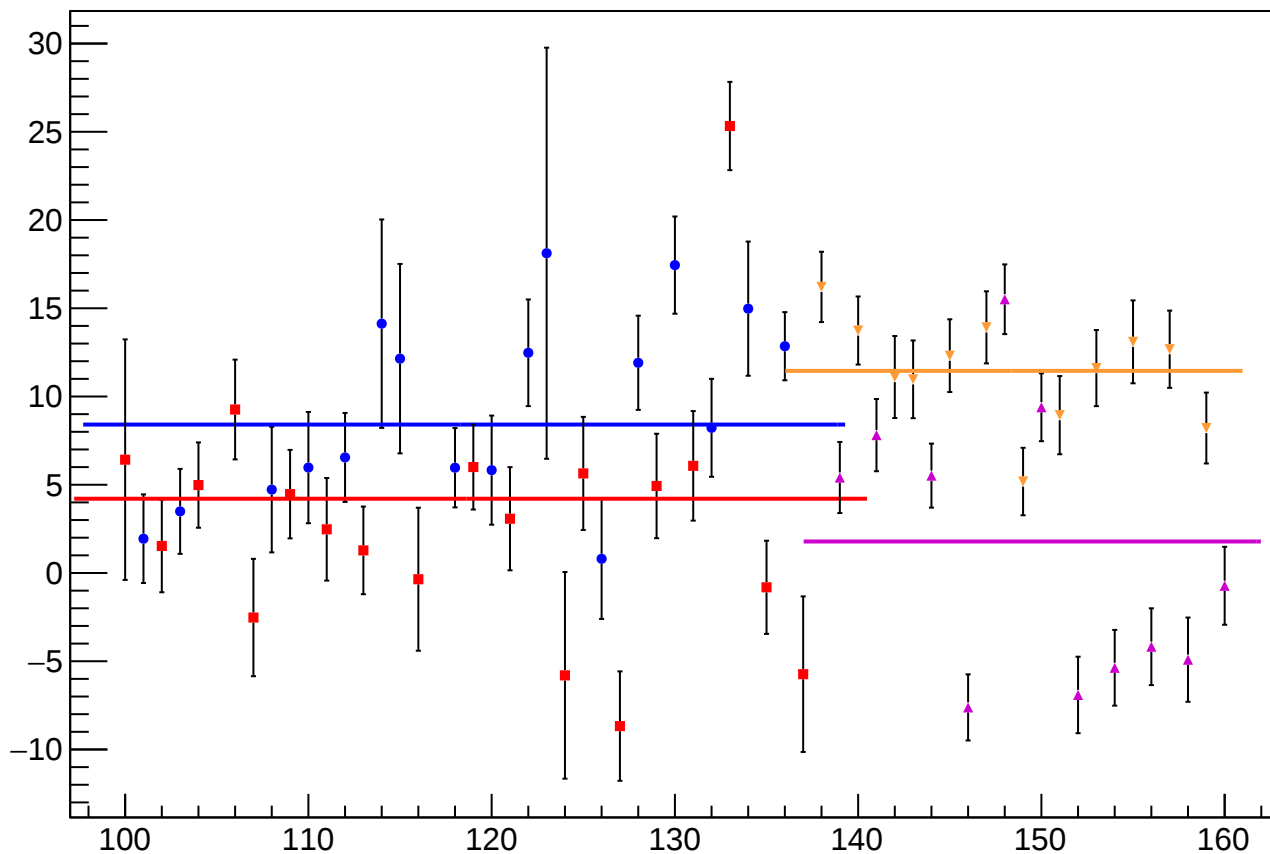
Right Out: 1891.466 $\pm$ 0.504 χ^2 /NDF: 146622.8/18

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

1948.784 $\pm$ 0.350 χ^2 /NDF: 347477.9/28

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: 11.453 ± 0.607 χ^2/NDF : 24.3/11

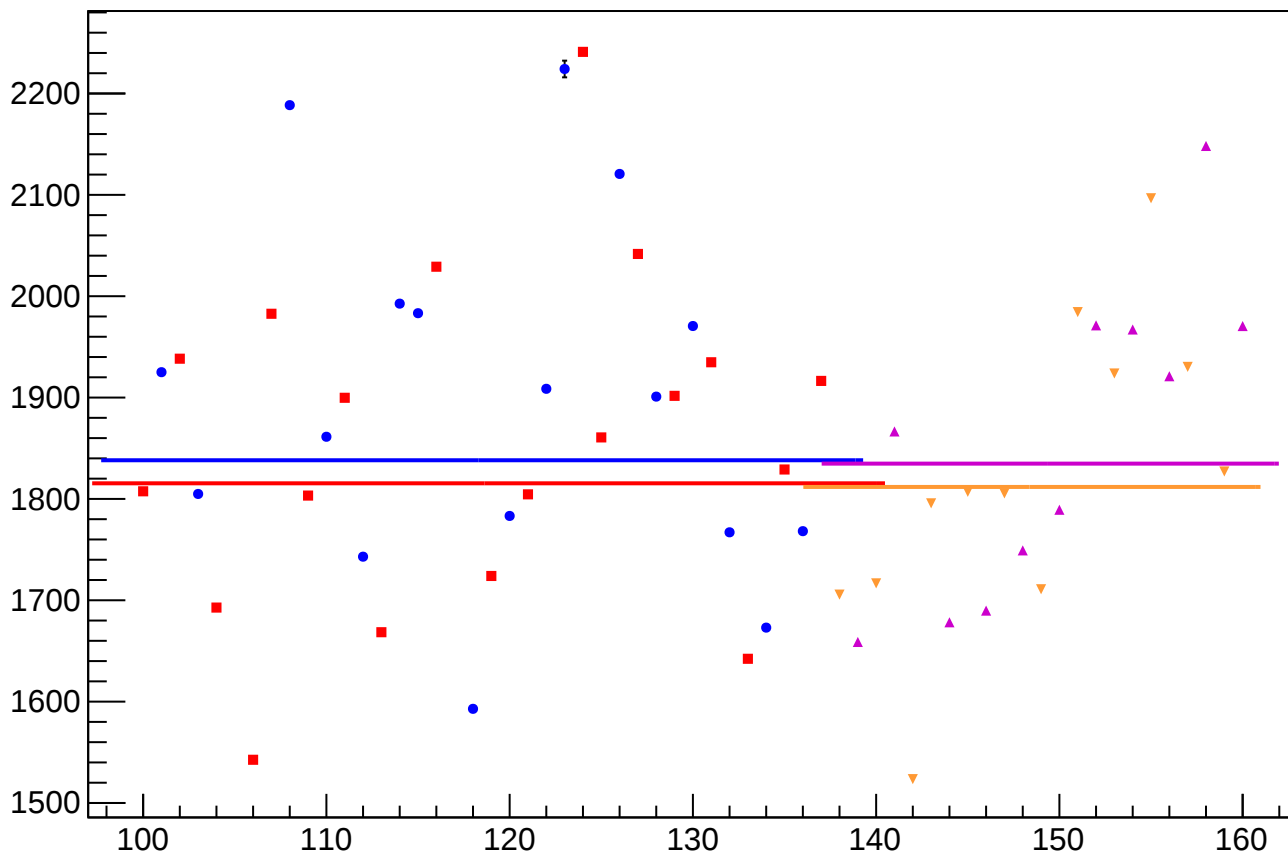
Right Out: 4.208 ± 0.682 χ^2/NDF : 113.1/18

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

10.172 ± 0.462 χ^2/NDF : 79.4/28

2.876 ± 0.458 χ^2/NDF : 269.1/29

diff_bpm0i01aY_rms vs Slug



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

Left Out: 1811.820+/-0.429 χ^2/NDF : 99958.0/11

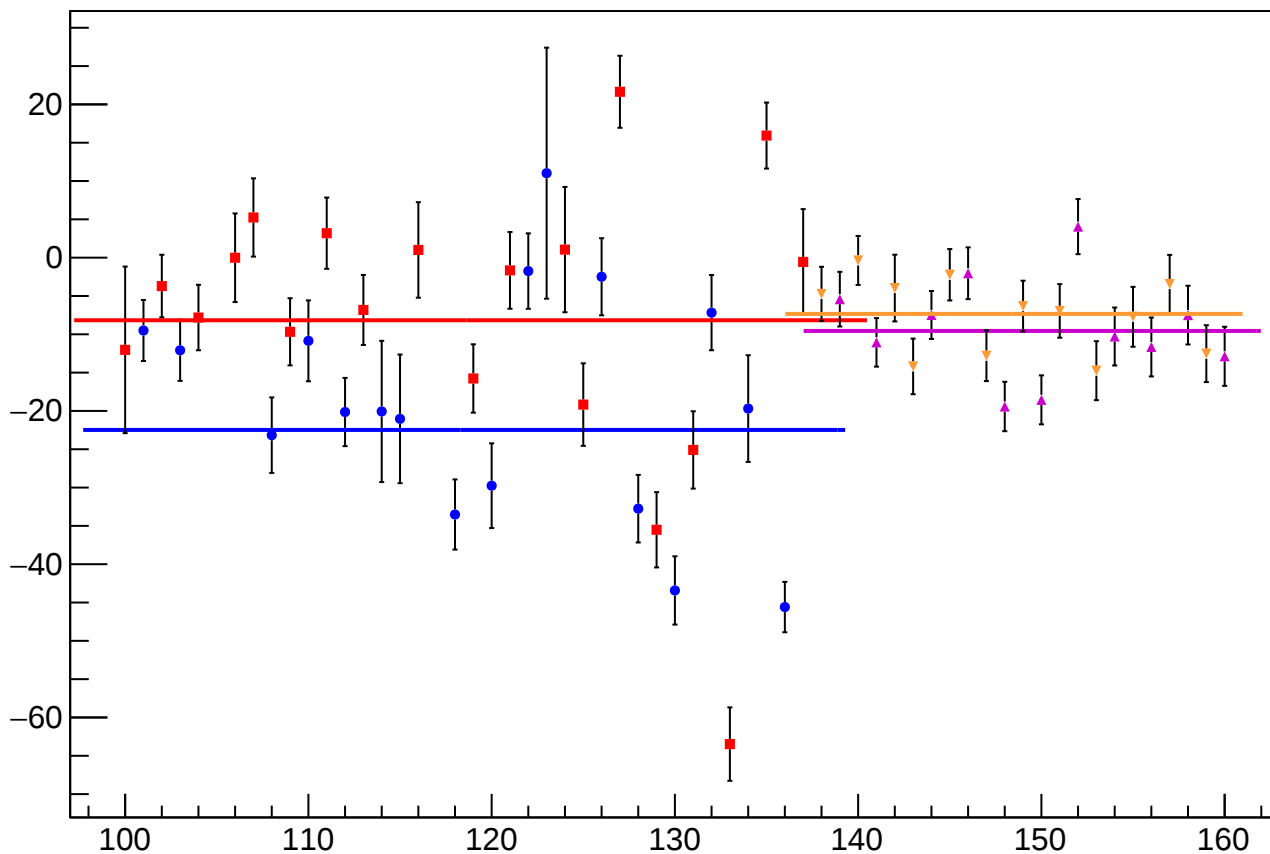
Right Out: 1815.403+/-0.483 χ^2/NDF : 87419.0/18

Left In: 1834.822+/-0.437 χ^2/NDF : 108219.9/10

1822.903+/-0.326 χ^2/NDF : 184422.9/28

1826.079+/-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: -7.338 ± 1.034 χ^2/NDF : 21.3/11

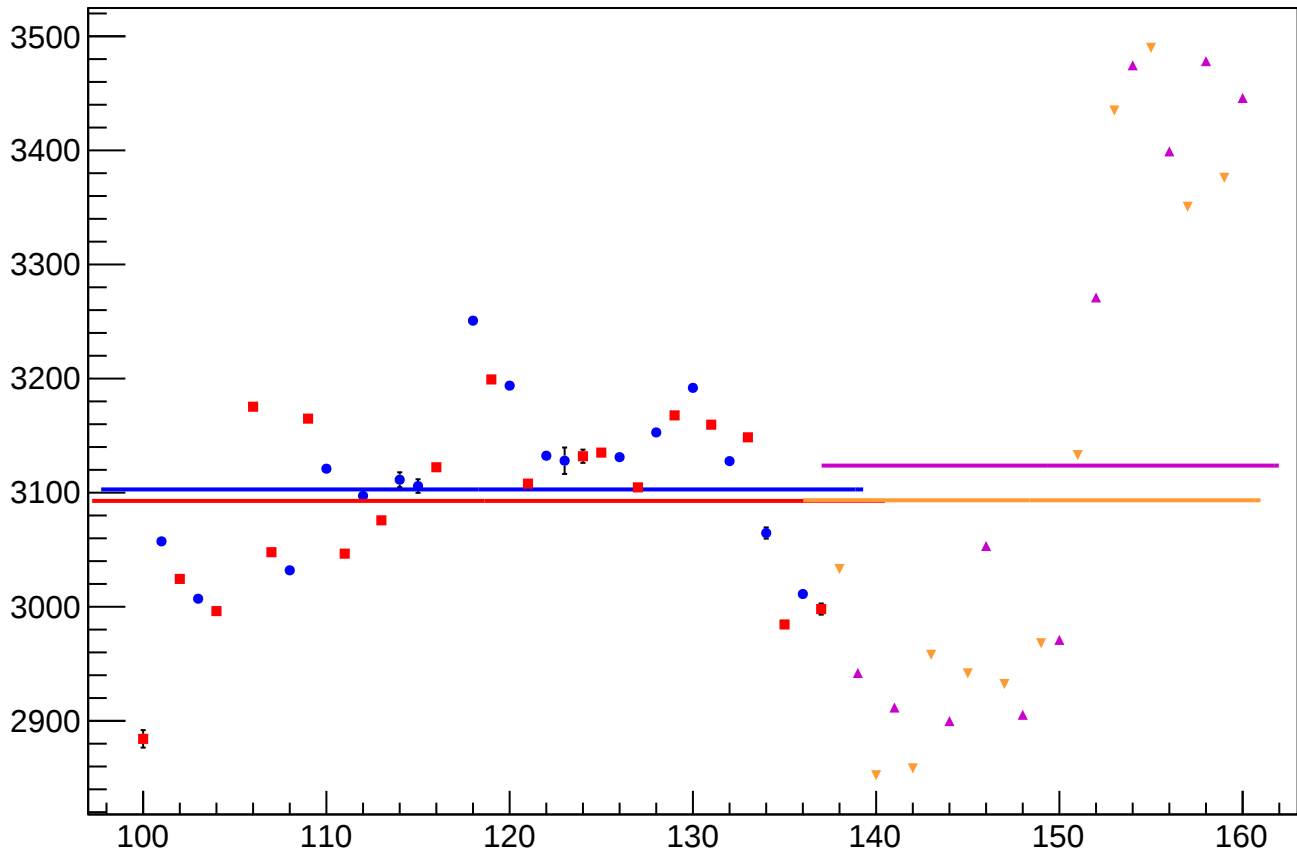
Right Out: -8.169 ± 1.157 χ^2/NDF : 276.9/18

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

-13.824 ± 0.782 χ^2/NDF : 267.8/28

-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: 3093.320 ± 0.731 $\chi^2/\text{NDF}: 89655.6/11$

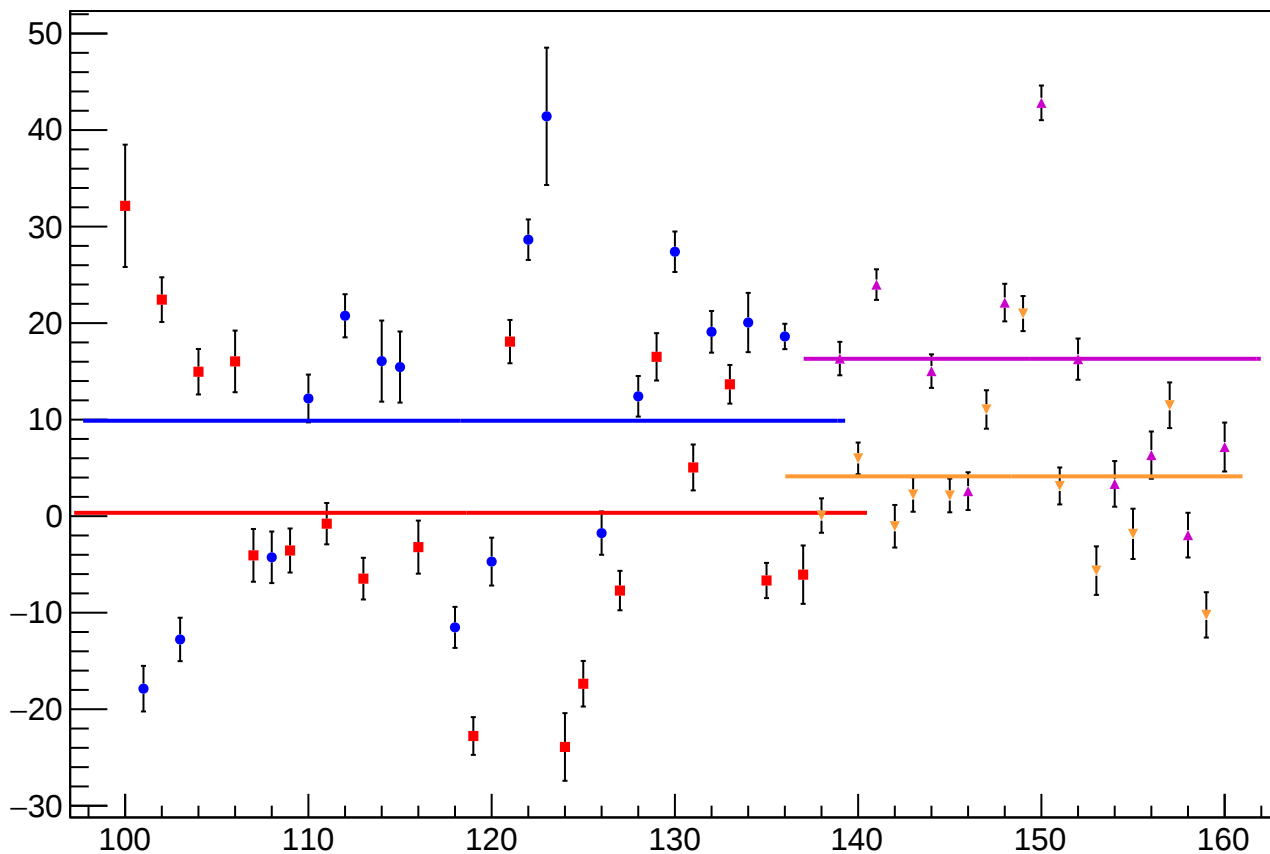
Right Out: 3092.795 ± 0.818 $\chi^2/\text{NDF}: 7763.4/18$

Left In: 3123.731 ± 0.740 $\chi^2/\text{NDF}: 100940.4/10$

3097.401 ± 0.553 $\chi^2/\text{NDF}: 97073.2/28$

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: 4.123 $\pm$ 0.575 χ^2 /NDF:180.3/11

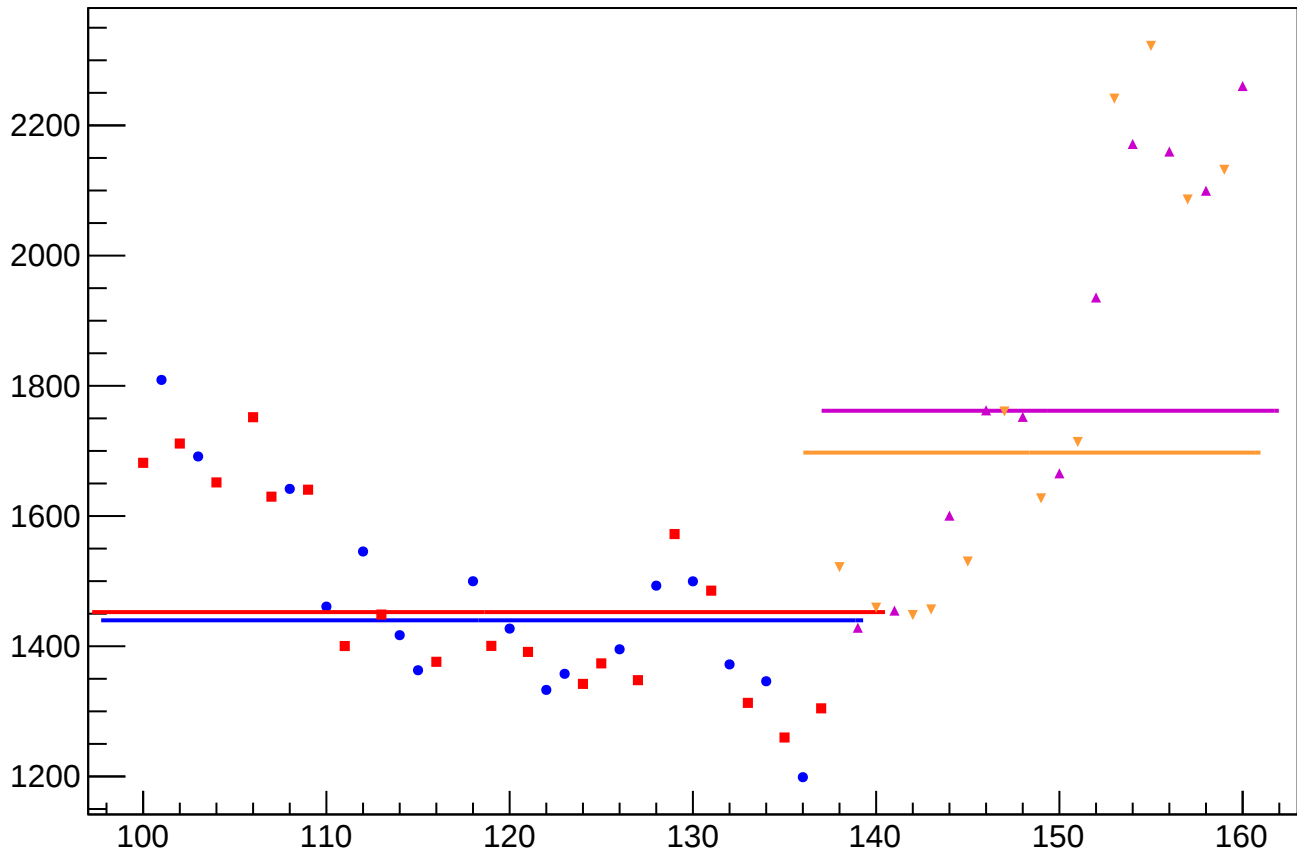
Right Out: 0.346 $\pm$ 0.547 χ^2 /NDF: 628.9/18

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

7.083 $\pm$ 0.401 χ^2 /NDF: 935.5/28

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: 1697.424 $\pm$ 0.406 χ^2 /NDF: 478168.3/11

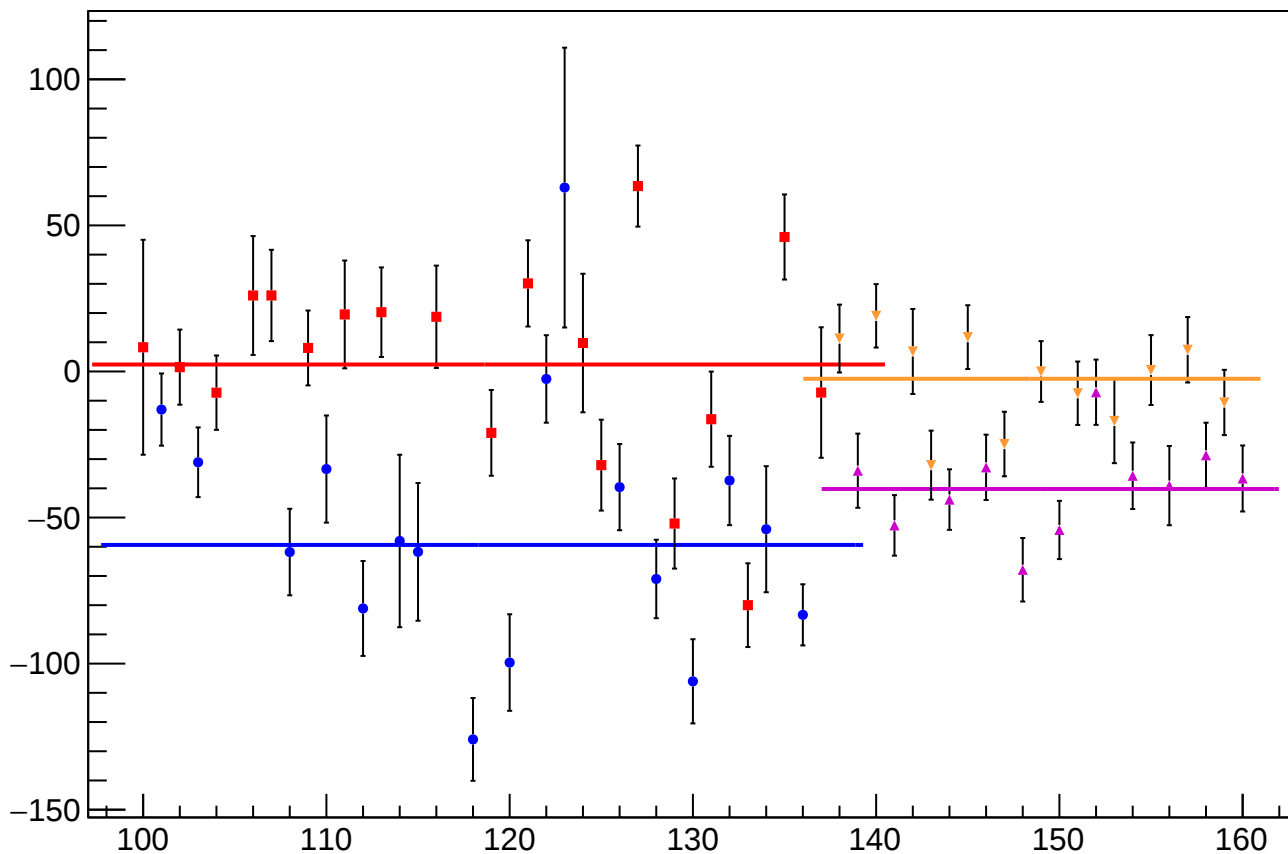
Right Out: 1452.452 $\pm$ 0.387 χ^2 /NDF: 138519.7/18

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

1565.147 $\pm$ 0.283 χ^2 /NDF: 857257.4/28

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: -2.497 ± 3.336 $\chi^2/\text{NDF}: 20.4/11$

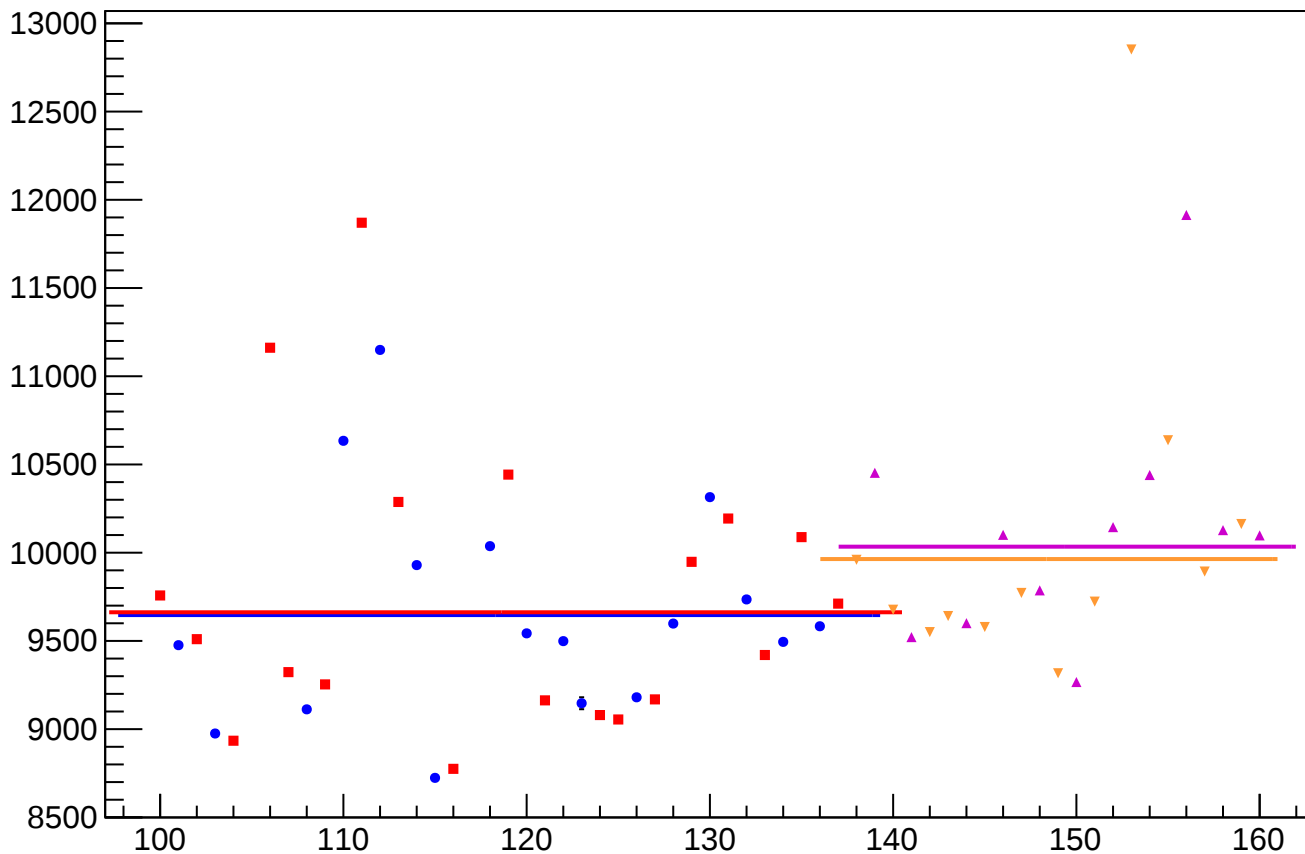
Right Out: 2.388 ± 3.630 $\chi^2/\text{NDF}: 93.9/18$

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

-27.779 ± 2.486 $\chi^2/\text{NDF}: 242.6/28$

-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: 9963.994 ± 2.359 χ^2/NDF : 103310.3/11

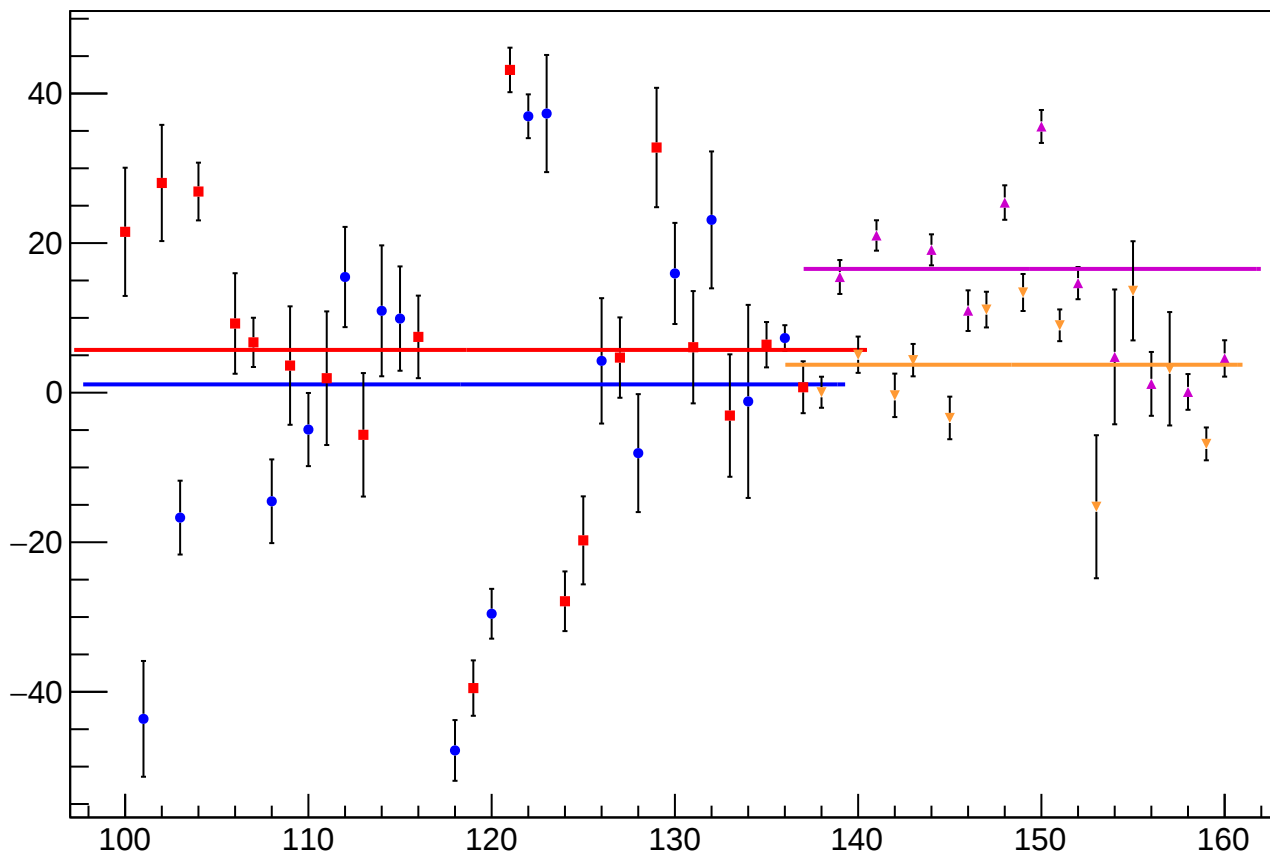
Right Out: 9662.363 ± 2.567 χ^2/NDF : 77584.0/18

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

9822.855 ± 1.758 χ^2/NDF : 155426.0/28

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: 3.735 ± 0.772 $\chi^2/\text{NDF}: 72.1/11$

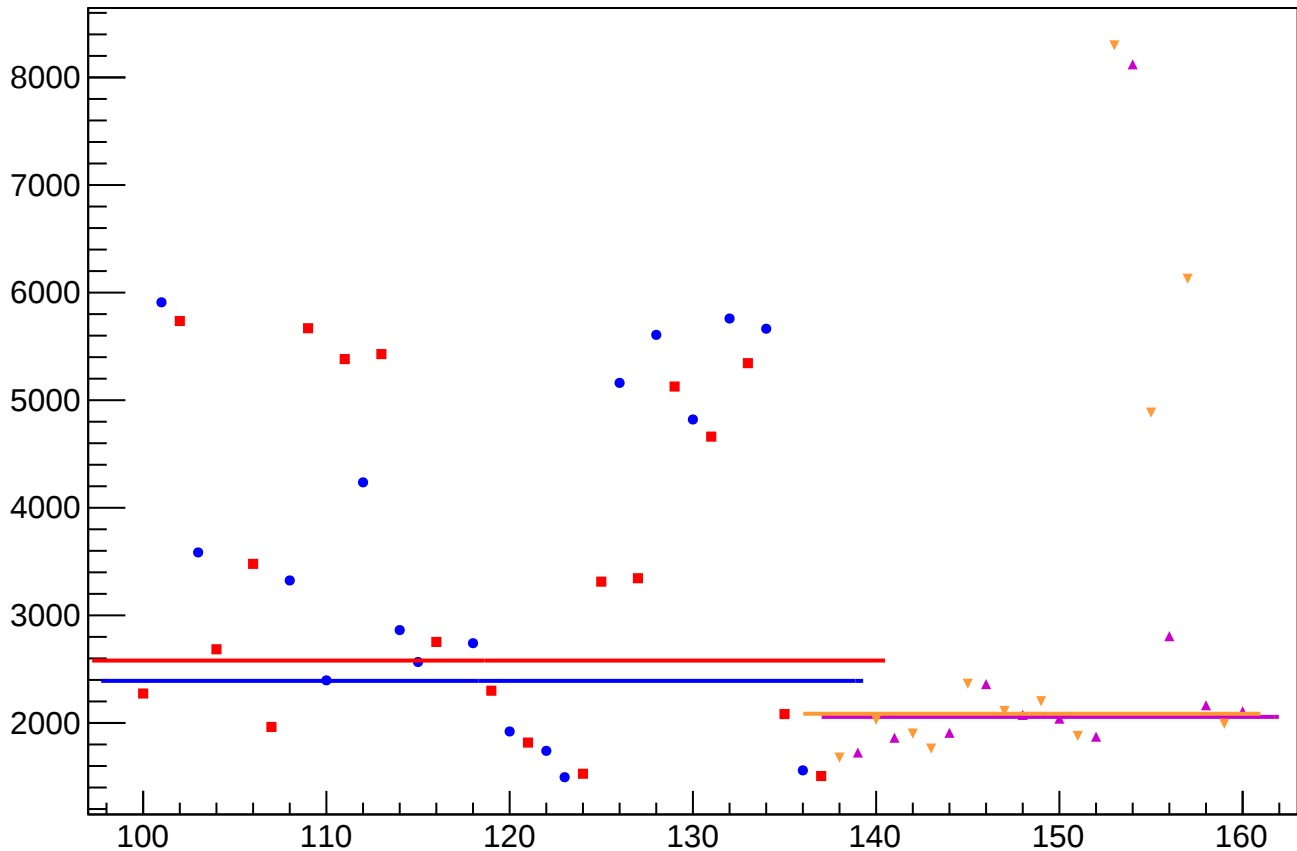
Right Out: 5.716 ± 1.091 $\chi^2/\text{NDF}: 456.0/18$

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

2.831 ± 0.626 $\chi^2/\text{NDF}: 565.8/28$

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: 2085.653+/-0.546 χ^2/NDF :1946216.3/11

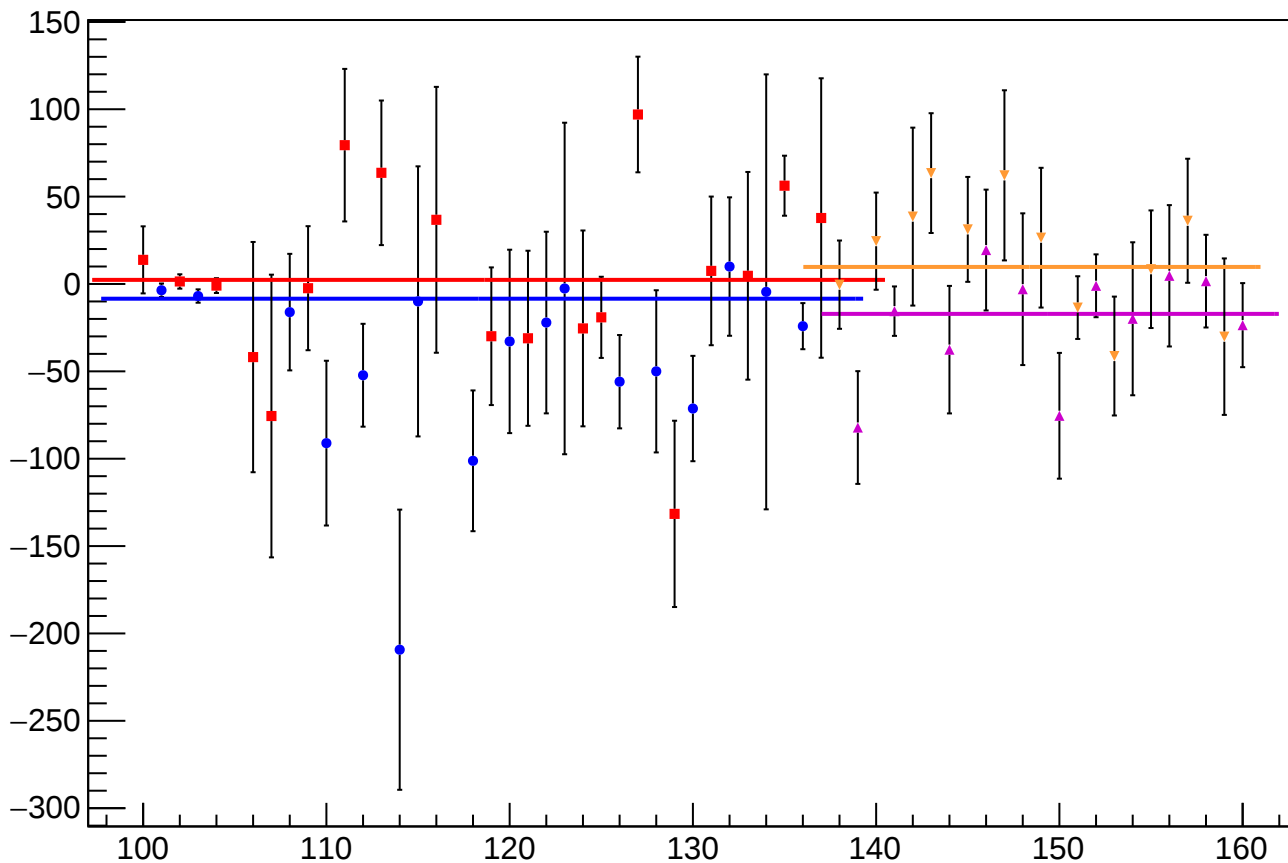
Right Out: 2580.040+/-0.772 χ^2/NDF : 2365271.4/18

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

2190.761+/-0.442 χ^2/NDF : 4654426.1/28

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

diff_bpm0l03X_mean vs Slug



Right In: -8.430 ± 2.587 $\chi^2/\text{NDF}: 28.9/16$

Left Out: 9.752 ± 8.980 $\chi^2/\text{NDF}: 10.3/11$

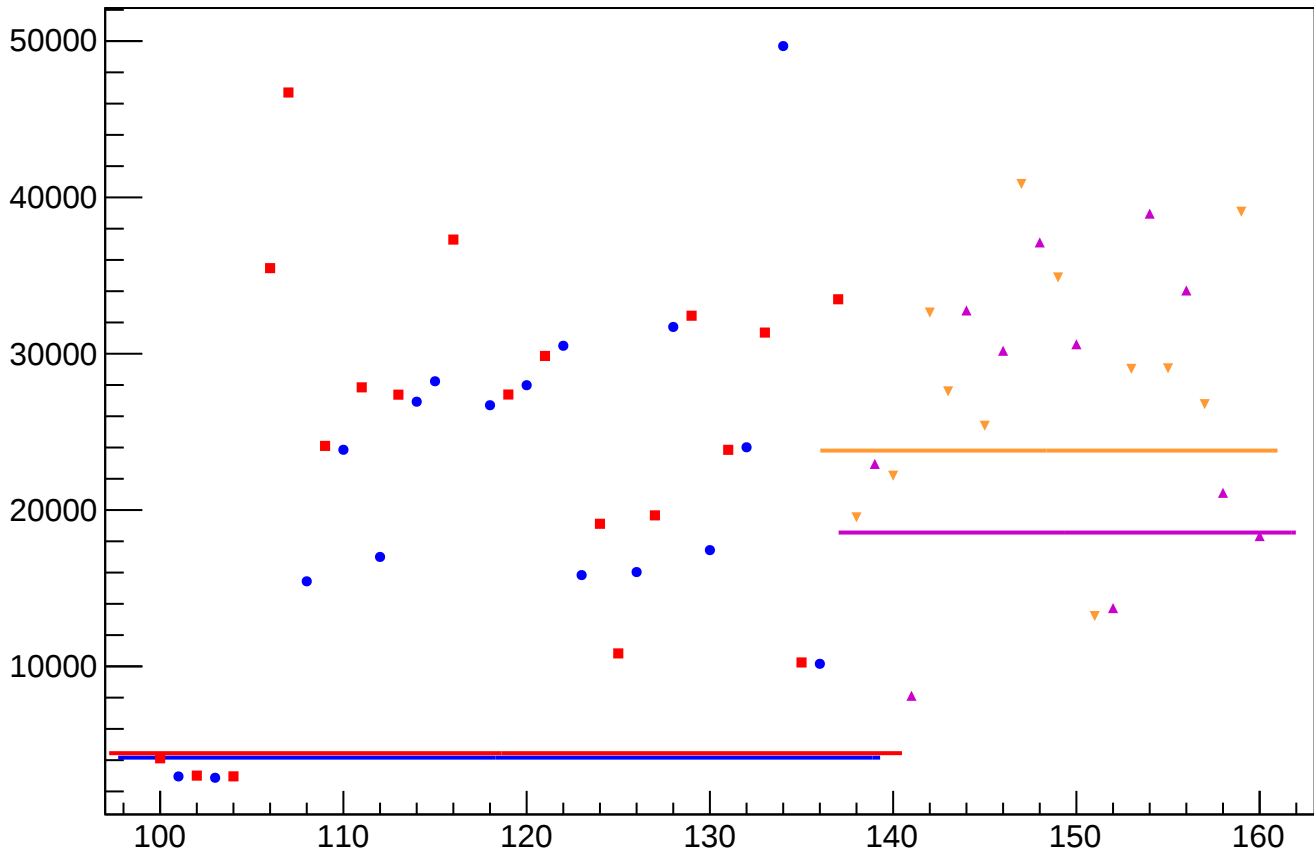
Right Out: 2.348 ± 2.787 $\chi^2/\text{NDF}: 34.7/18$

Left In: -17.113 ± 7.852 $\chi^2/\text{NDF}: 9.9/10$

-7.036 ± 2.486 $\chi^2/\text{NDF}: 43.0/28$

0.171 ± 2.626 $\chi^2/\text{NDF}: 50.0/29$

diff_bpm0l03X_rms vs Slug



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

Left Out: 23804.286+/-6.350 χ^2/NDF : 1592043.1/11

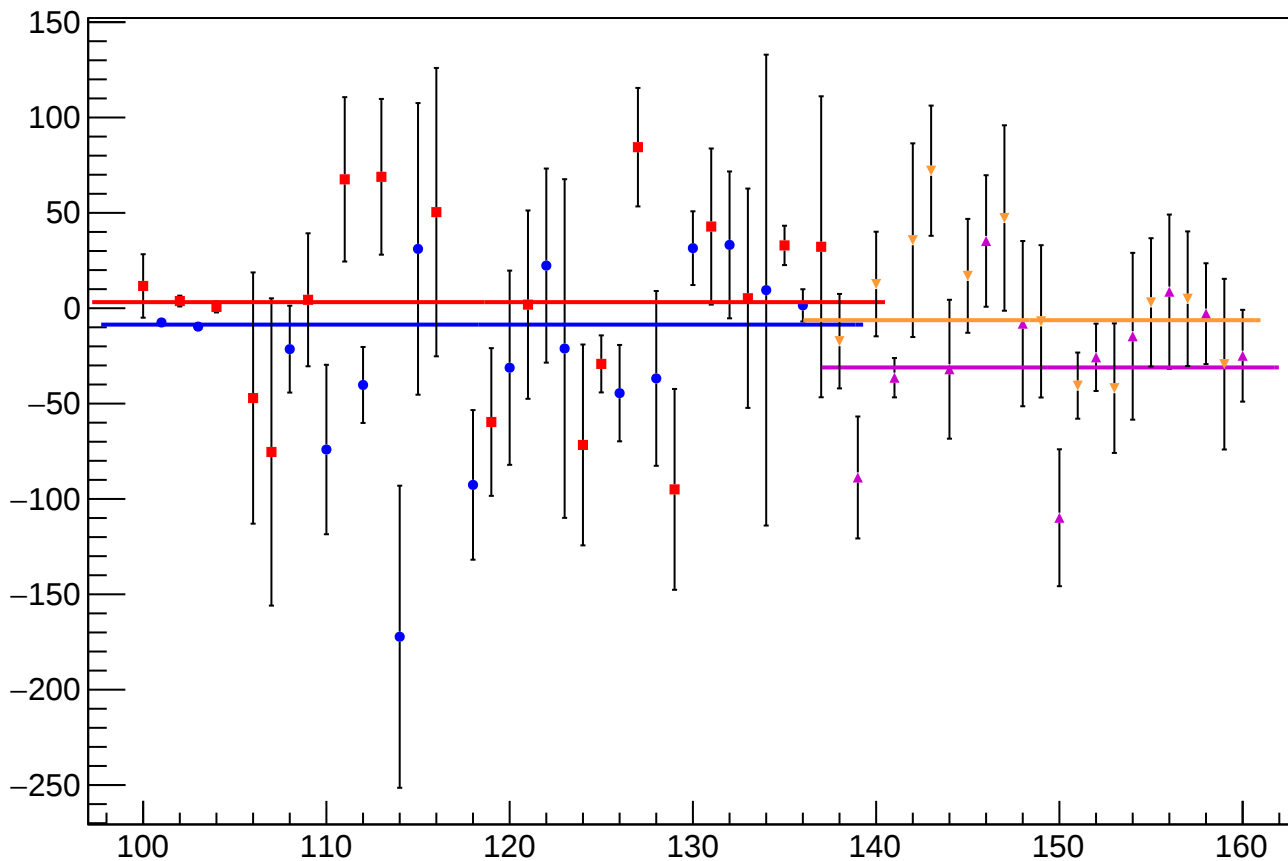
Right Out: 4447.123+/-1.971 χ^2/NDF : 7426930.4/18

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

5667.896+/-1.758 χ^2/NDF : 16416641.2/28

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: -6.272 ± 8.854 χ^2/NDF : 13.9/11

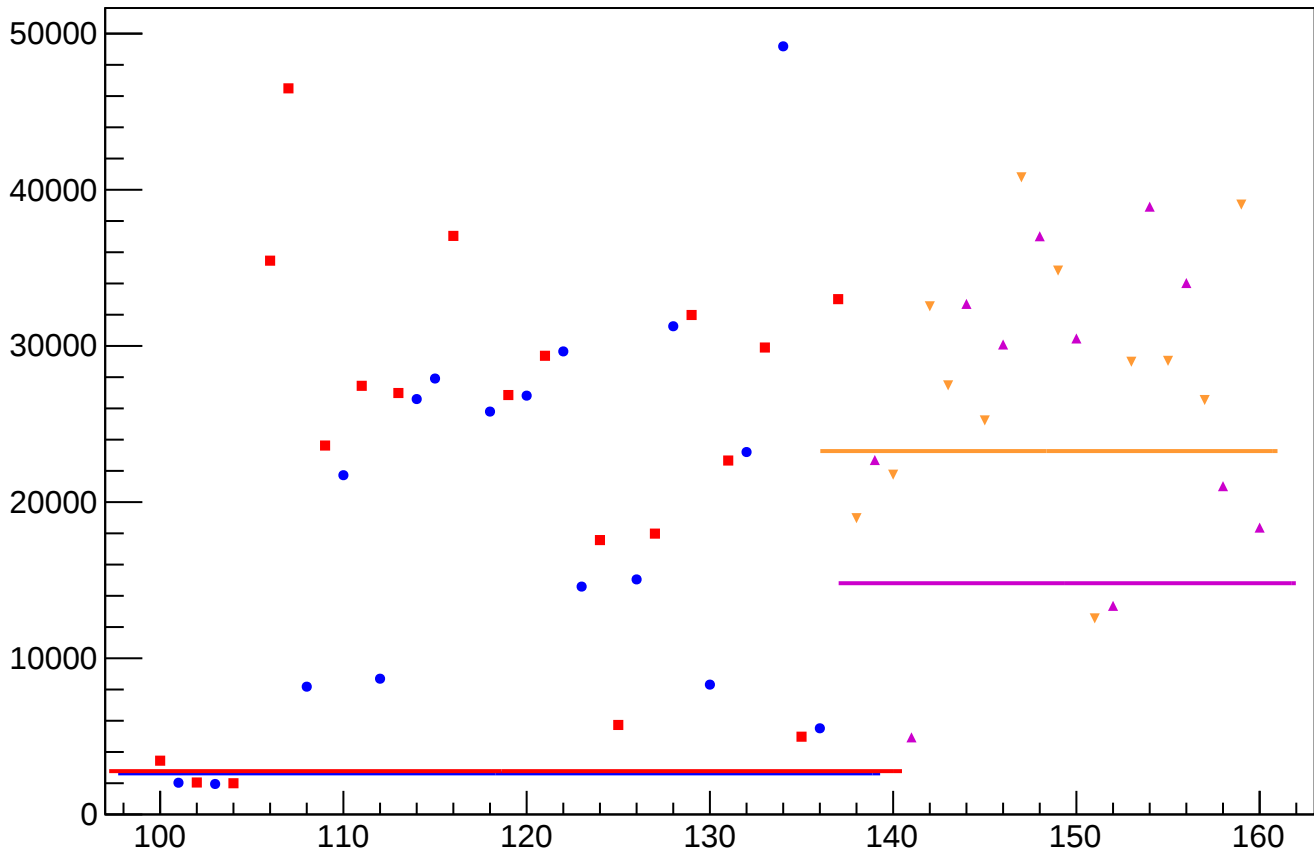
Right Out: 3.194 ± 1.922 χ^2/NDF : 36.9/18

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

-8.497 ± 1.743 χ^2/NDF : 38.4/28

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: 23268.432 $\pm$ 6.261 χ^2 /NDF:1744645.4/11

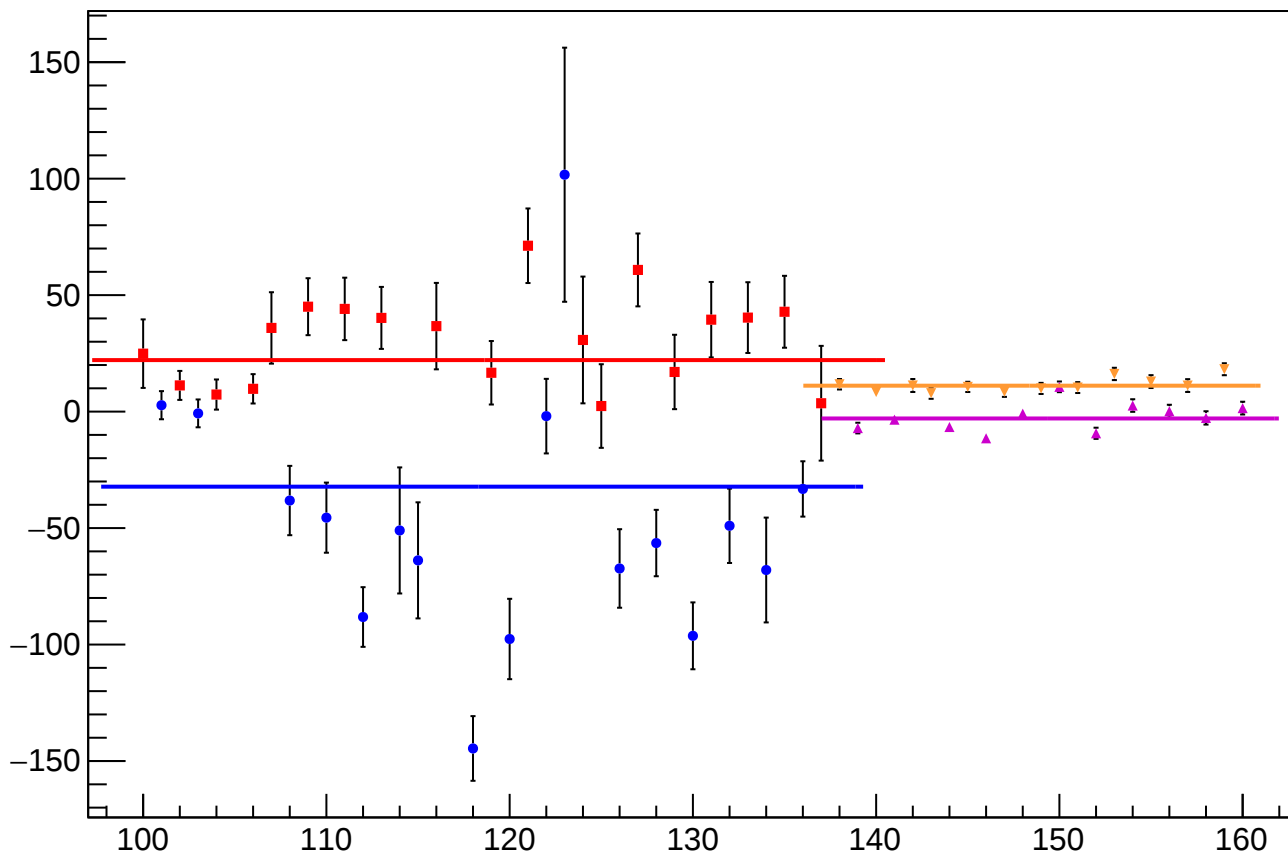
Right Out: 2773.446 $\pm$ 1.359 χ^2 /NDF: 7835878.7/18

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

3430.356 $\pm$ 1.232 χ^2 /NDF: 17779359.2/28

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

diff_bpm0l04X_mean vs Slug



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

Left Out: 11.127 ± 0.699 χ^2/NDF : 16.9/11

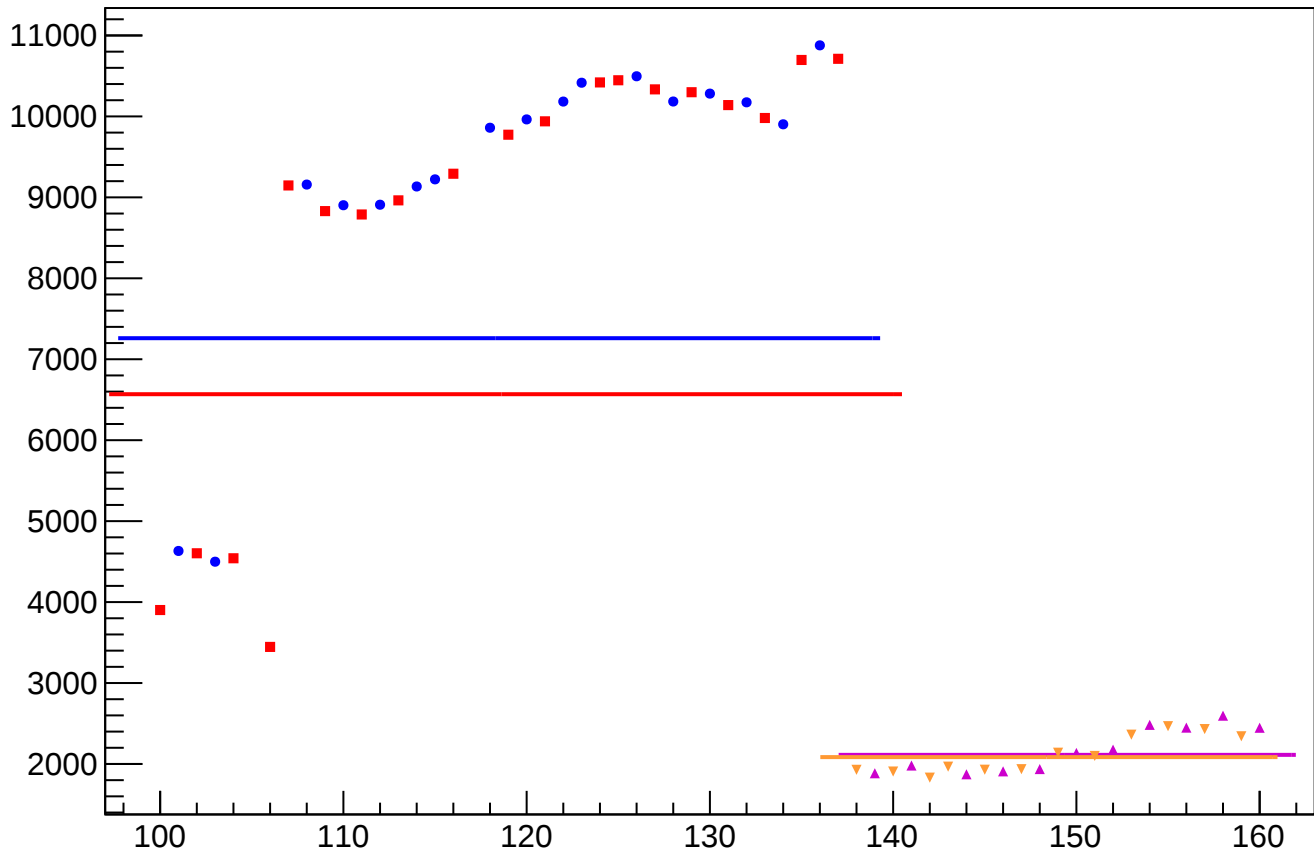
Right Out: 22.111 ± 2.669 χ^2/NDF : 43.7/18

Left In: -2.950 ± 0.711 χ^2/NDF : 73.8/10

8.868 ± 0.681 χ^2/NDF : 420.9/28

-1.288 ± 0.687 χ^2/NDF : 199.8/29

diff_bpm0l04X_rms vs Slug



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

Left Out: 2084.761+/-0.494 χ^2/NDF :177081.5/11

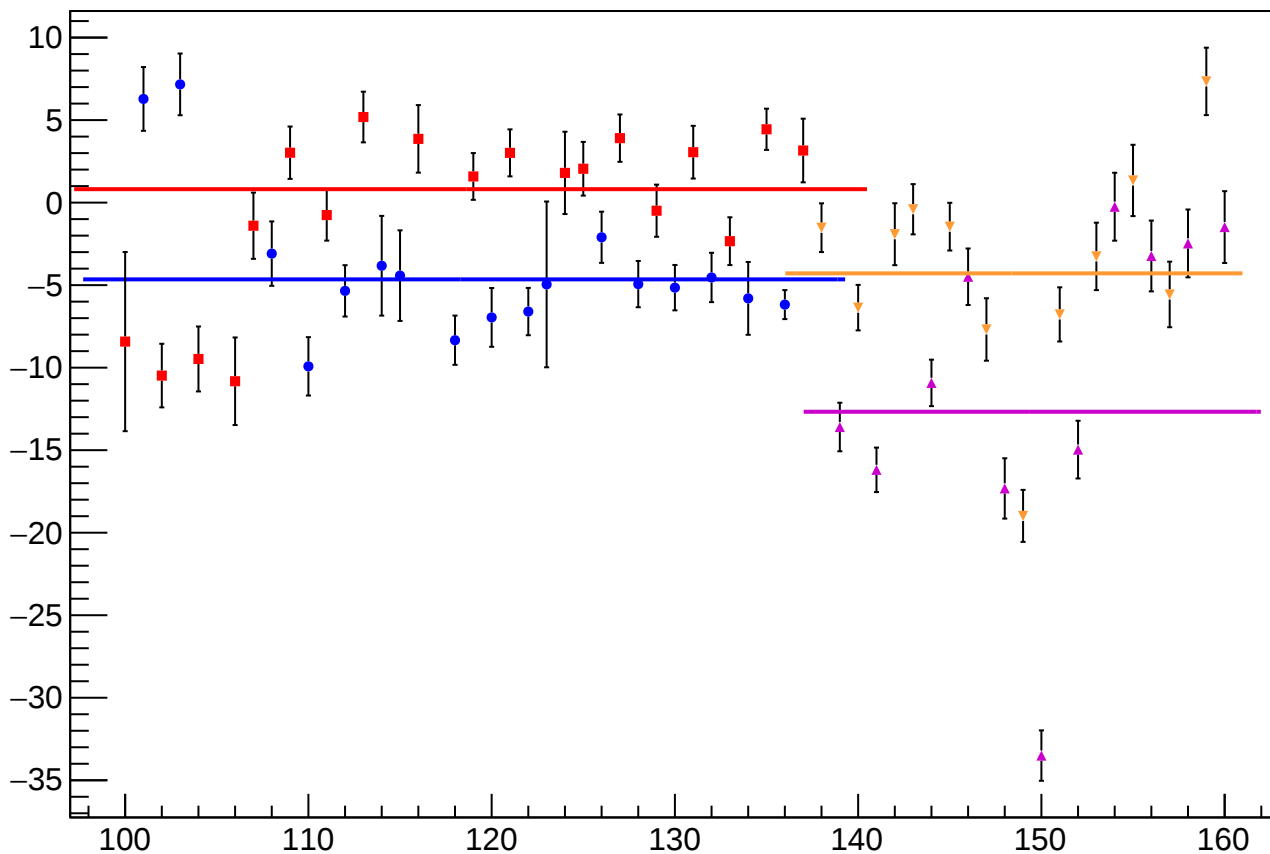
Right Out: 6568.180+/-1.887 χ^2/NDF : 2196546.0/18

Left In: 2112.585+/-0.503 χ^2/NDF :242960.4/10

2354.464+/-0.481 χ^2/NDF : 7525882.9/28

2408.066+/-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: -4.286+/-0.489 χ^2 /NDF:150.1/11

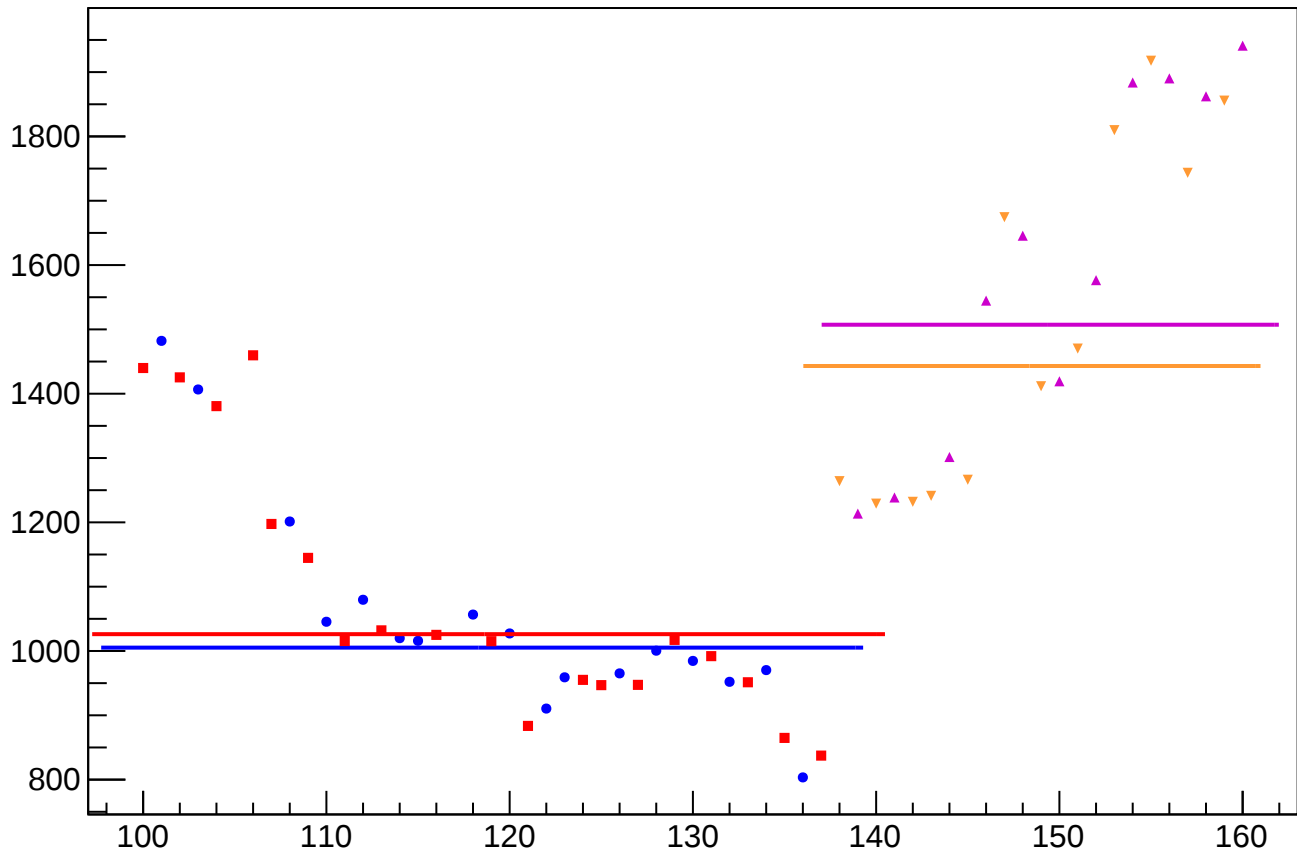
Right Out: 0.814+/-0.388 χ^2 /NDF: 123.7/18

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

-4.508+/-0.306 χ^2 /NDF: 248.0/28

-4.113+/-0.309 χ^2 /NDF: 896.8/29

diff_bpm0l04Y_rms vs Slug



Right In: 1005.227 $\pm$ 0.278 χ^2 /NDF: 361954.2/16

Left Out: 1443.078 $\pm$ 0.346 χ^2 /NDF: 487481.4/11

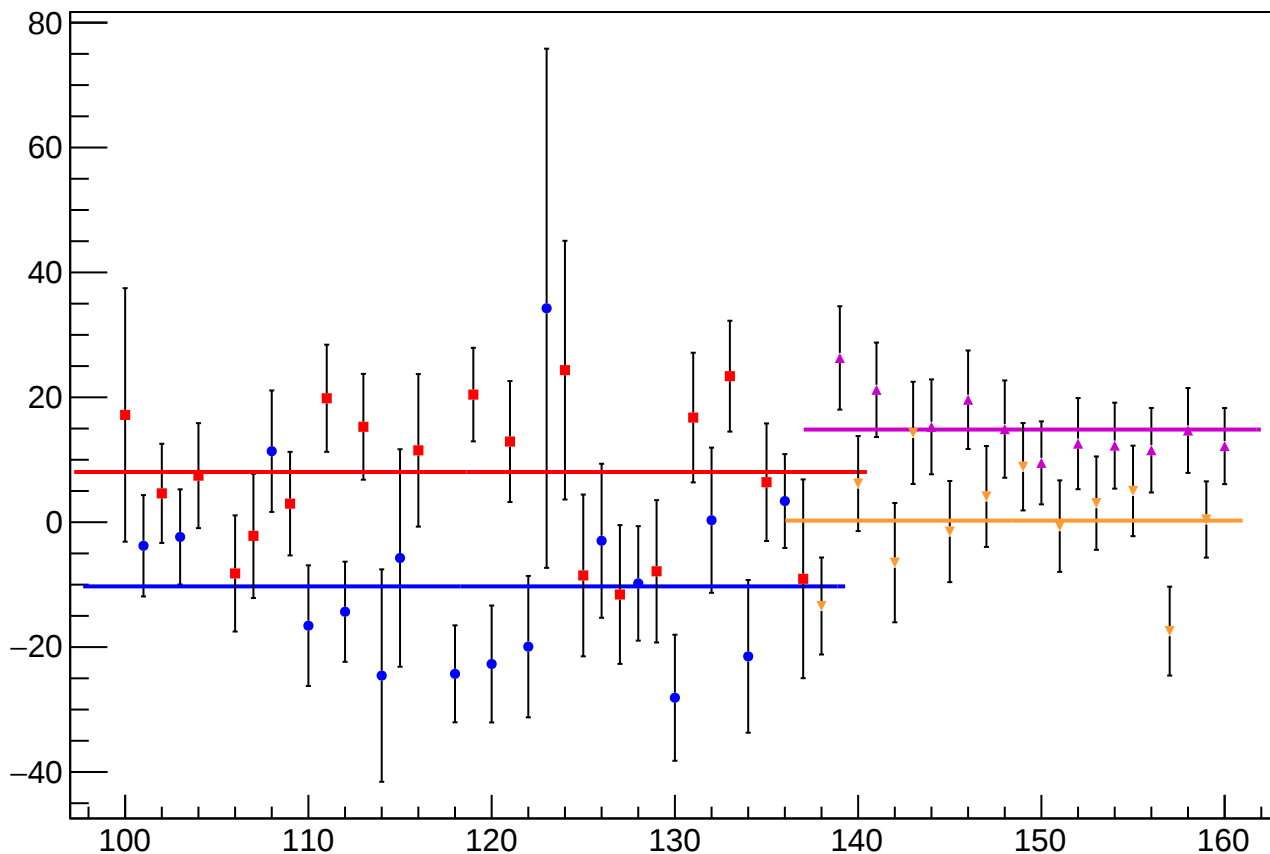
Right Out: 1026.158 $\pm$ 0.275 χ^2 /NDF: 333119.0/18

Left In: 1507.247 $\pm$ 0.362 χ^2 /NDF: 493914.3/10

1176.793 $\pm$ 0.217 χ^2 /NDF: 1824042.1/28

1201.936 $\pm$ 0.219 χ^2 /NDF: 1947598.8/29

diff_bpm0l05X_mean vs Slug



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

Left Out: 0.258 ± 2.167 $\chi^2/\text{NDF}: 15.7/11$

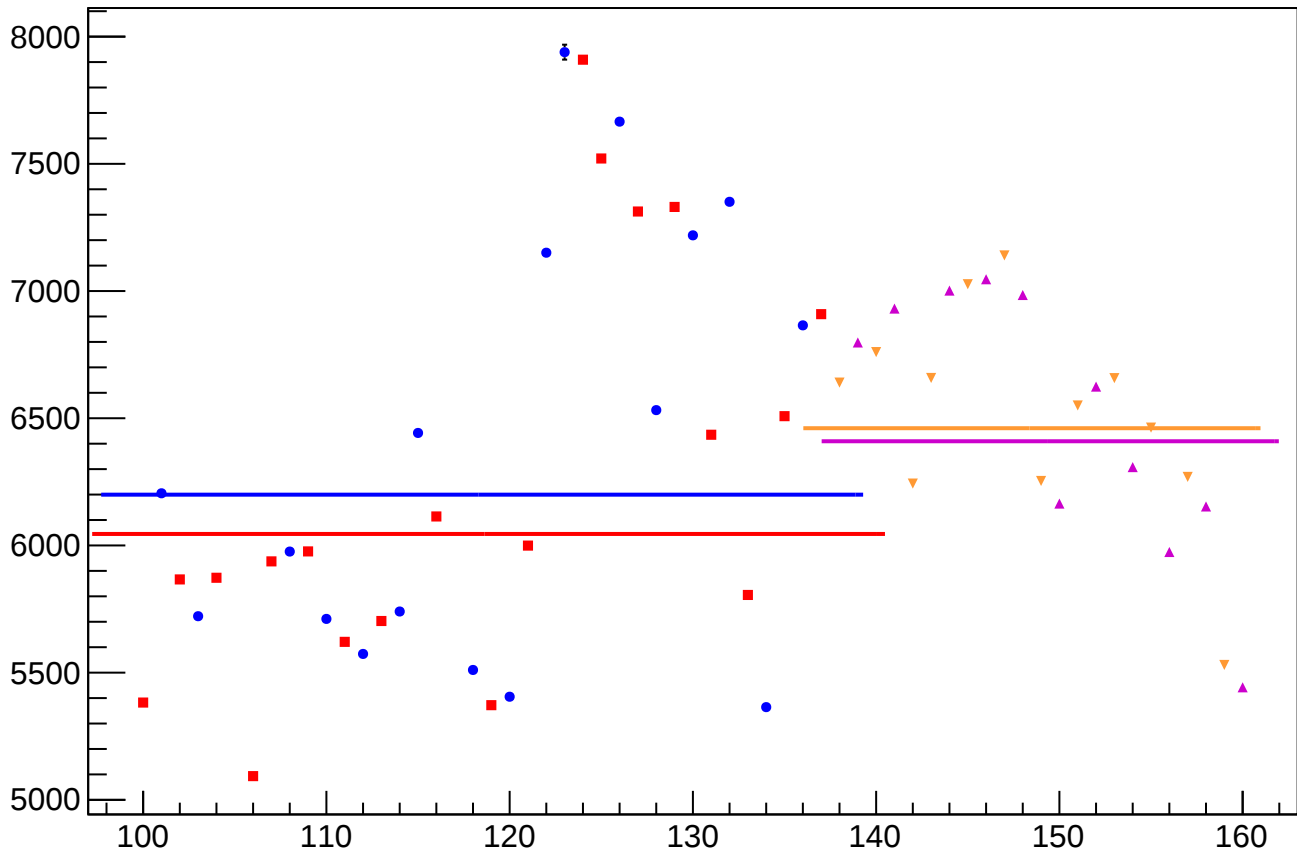
Right Out: 8.041 ± 2.278 $\chi^2/\text{NDF}: 22.8/18$

Left In: 14.838 ± 2.157 $\chi^2/\text{NDF}: 4.3/10$

-4.458 ± 1.611 $\chi^2/\text{NDF}: 49.8/28$

11.625 ± 1.567 $\chi^2/\text{NDF}: 31.8/29$

diff_bpm0l05X_rms vs Slug



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

Left Out: 6460.829 $\pm$ 1.533 χ^2 /NDF: 81595.2/11

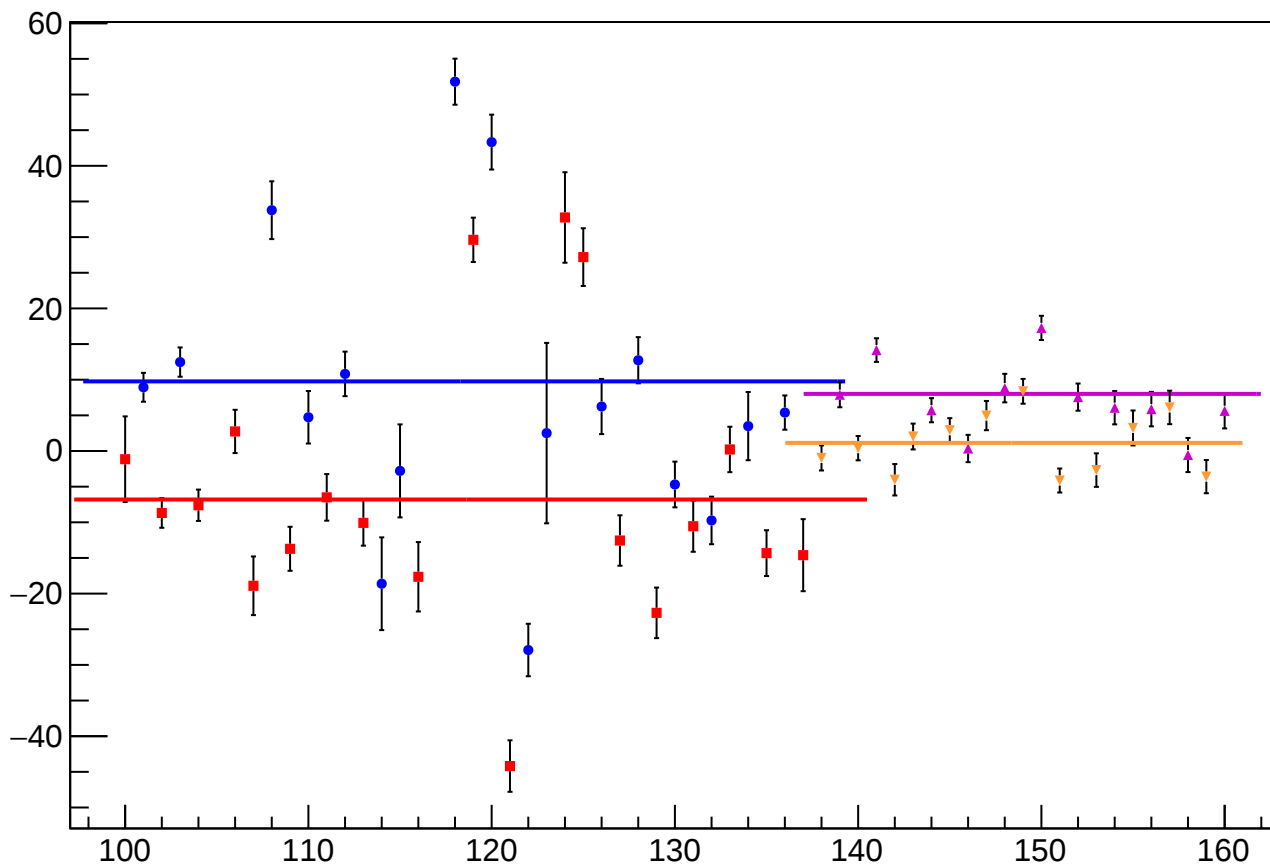
Right Out: 6045.172 $\pm$ 1.611 χ^2 /NDF: 158323.0/18

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

6343.908 $\pm$ 1.139 χ^2 /NDF: 266357.8/28

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: 1.141 ± 0.562 χ^2/NDF : 51.1/11

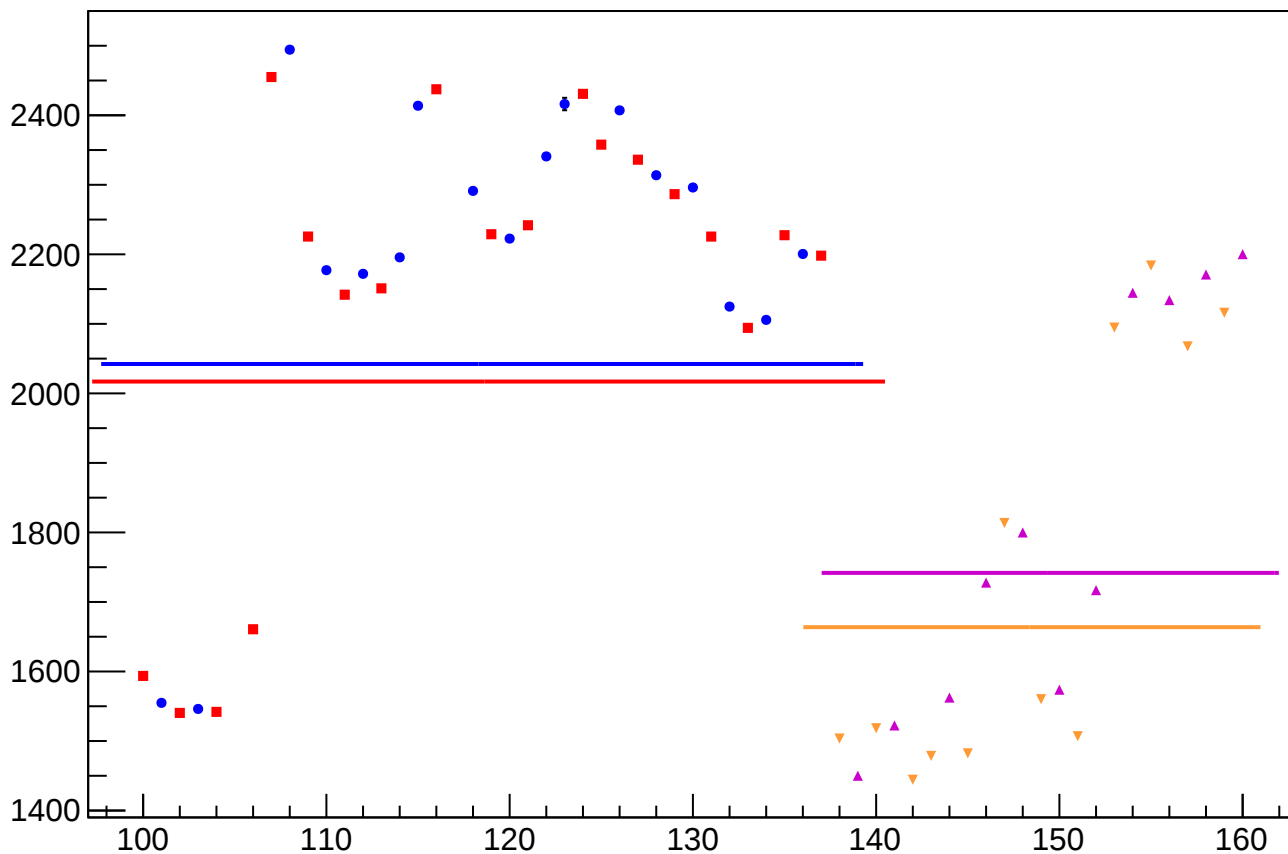
Right Out: -6.801 ± 0.765 χ^2/NDF : 421.8/18

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

4.008 ± 0.459 χ^2/NDF : 603.0/28

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: 1663.731+/-0.398 χ^2/NDF : 421645.5/11

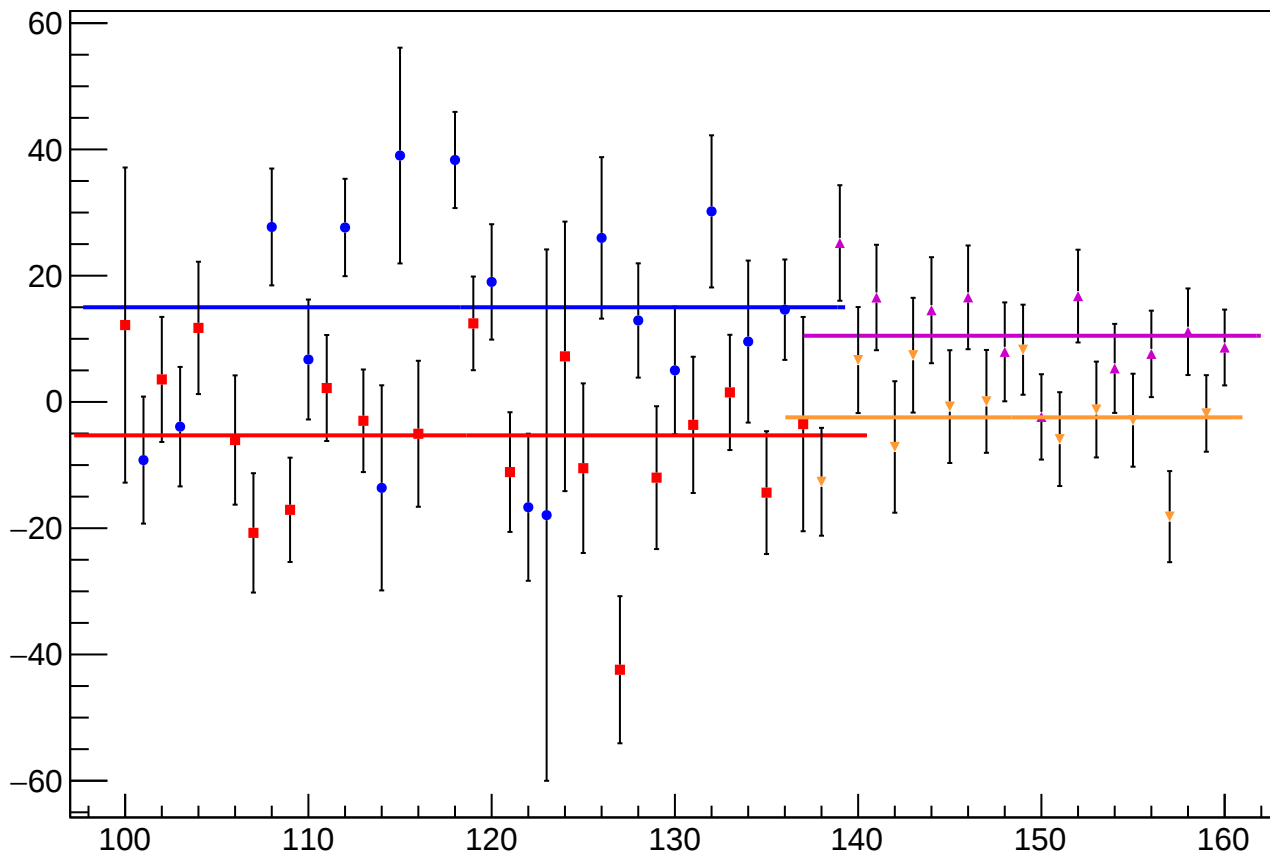
Right Out: 2017.026+/-0.541 χ^2/NDF : 375630.3/18

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

1789.579+/-0.325 χ^2/NDF : 1079752.1/28

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: -2.439 $\pm$ 2.254 χ^2 /NDF: 11.4/11

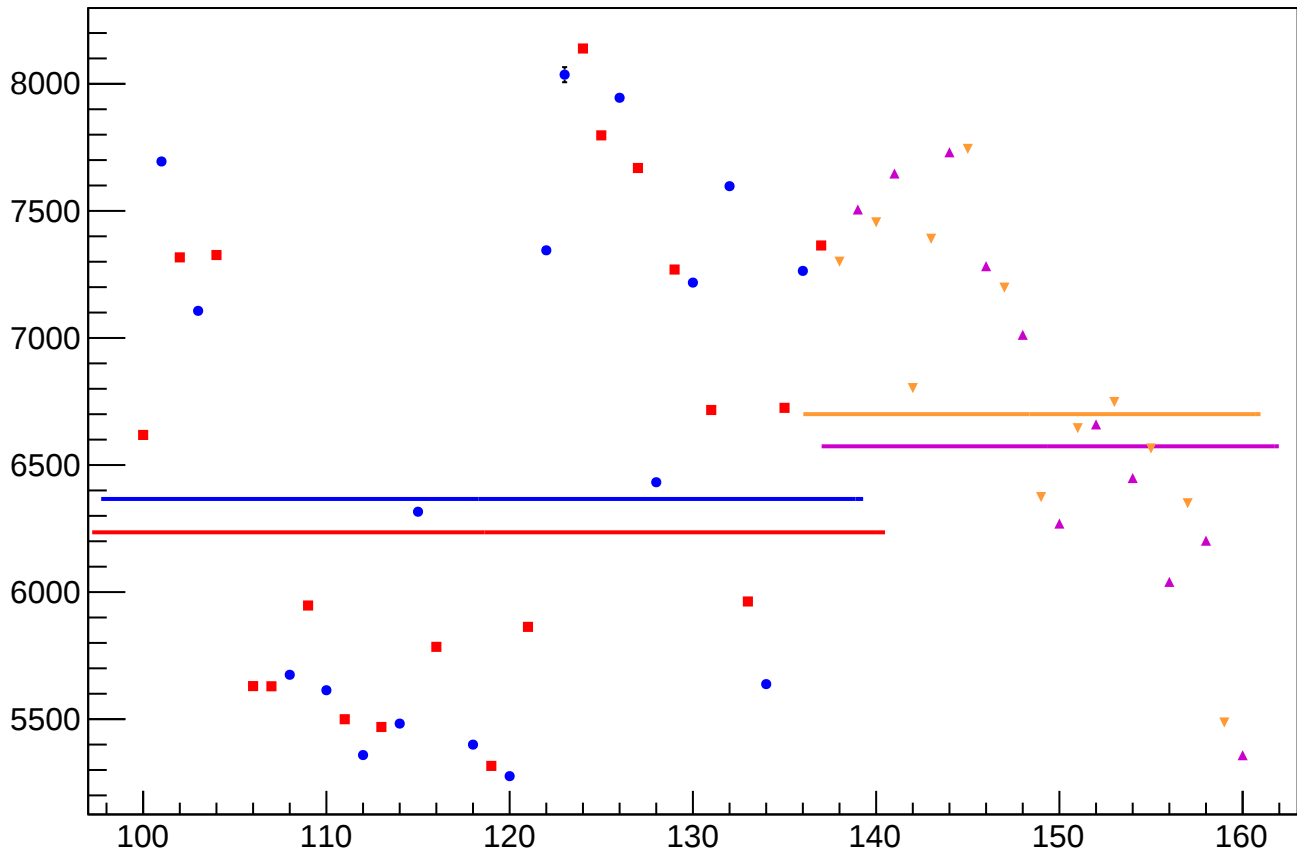
Right Out: -5.291 $\pm$ 2.357 χ^2 /NDF: 28.1/18

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

5.431 $\pm$ 1.670 χ^2 /NDF: 79.7/28

3.061 $\pm$ 1.617 χ^2 /NDF: 60.9/29

diff_bpm0l06X_rms vs Slug



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

Left Out: 6700.205+/-1.594 χ^2/NDF : 162404.3/11

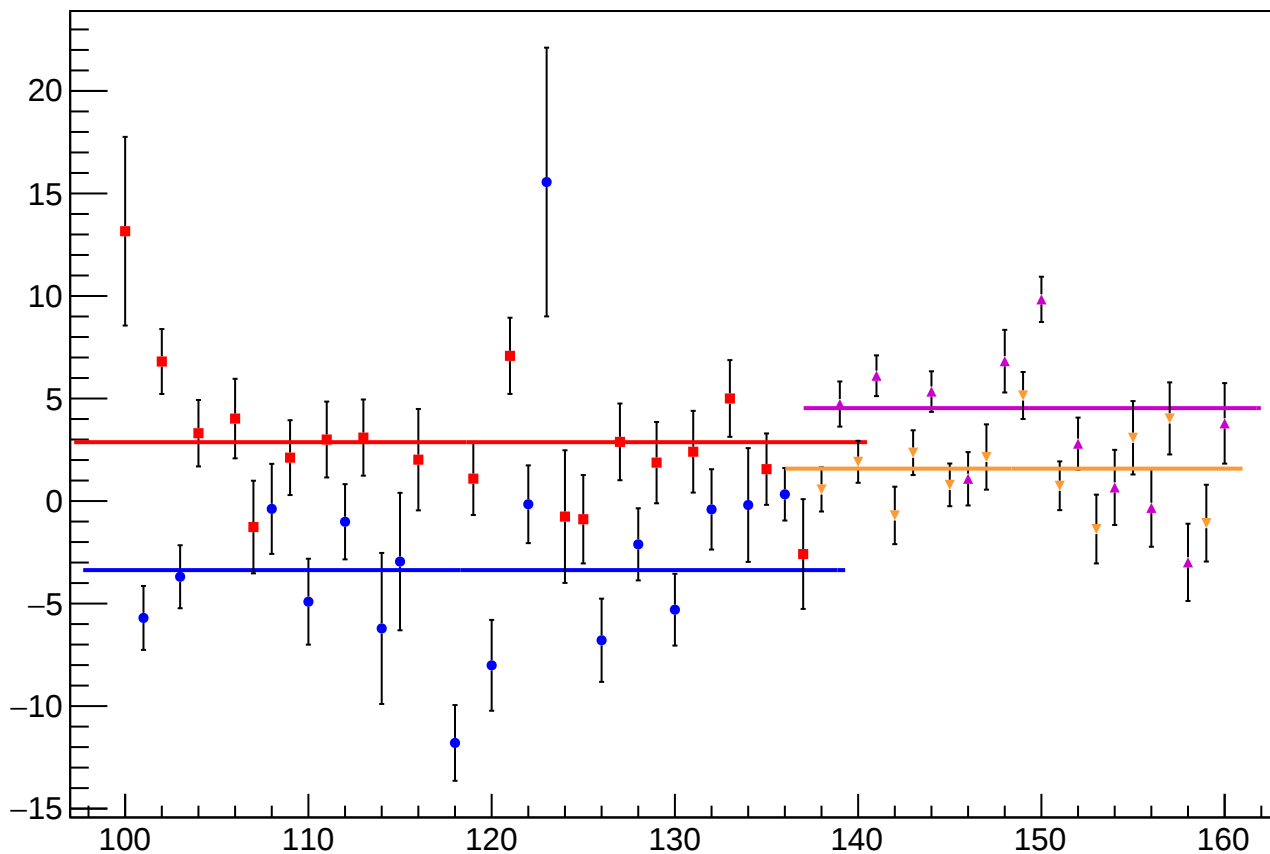
Right Out: 6235.179+/-1.667 χ^2/NDF : 243204.0/18

Left In: 6573.680+/-1.572 χ^2/NDF : 217912.8/10

6549.580+/-1.181 χ^2/NDF : 468682.5/28

6414.394+/-1.143 χ^2/NDF : 482949.2/29

diff_bpm0l06Y_mean vs Slug



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

Left Out: 1.581 ± 0.372 χ^2/NDF : 22.8/11

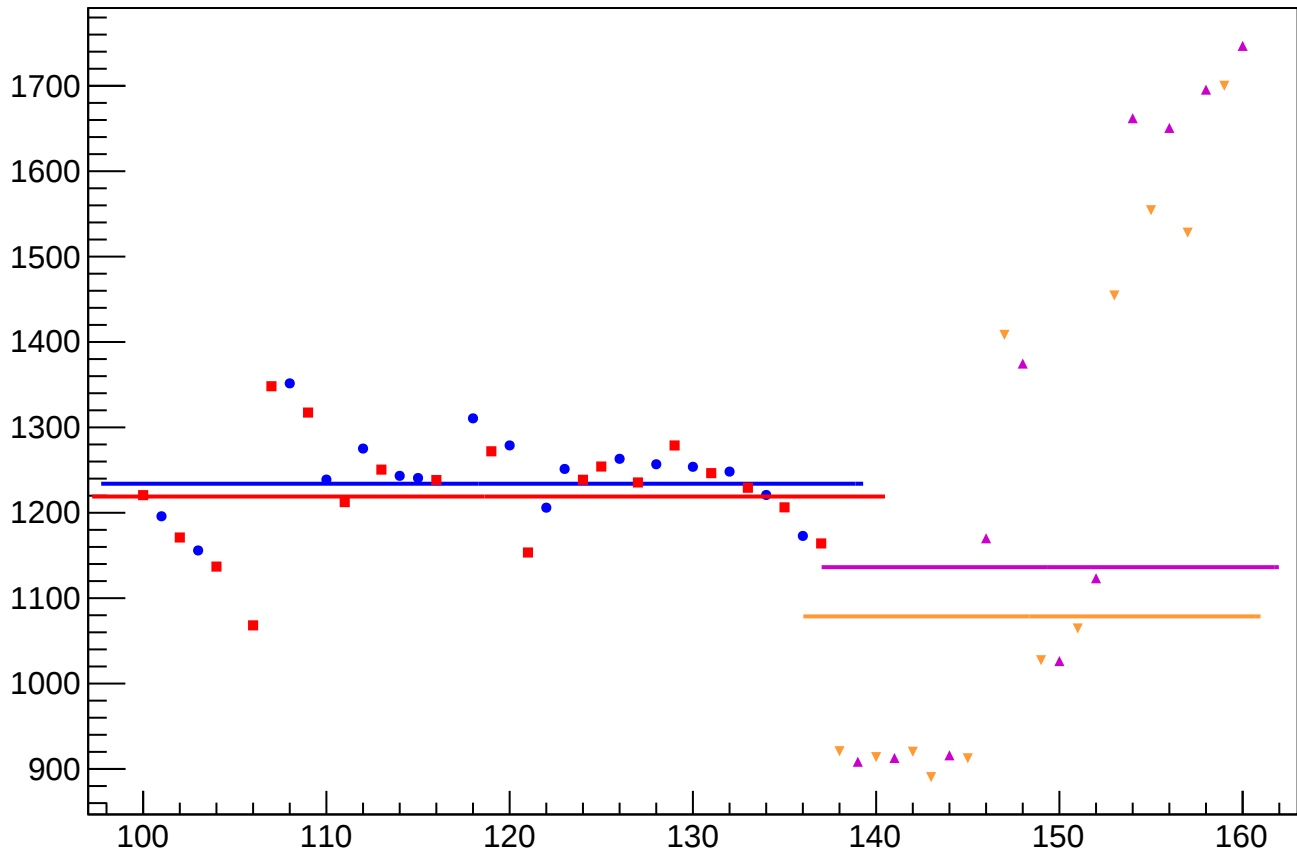
Right Out: 2.871 ± 0.456 χ^2/NDF : 32.0/18

Left In: 4.531 ± 0.394 χ^2/NDF : 64.6/10

-0.297 ± 0.293 χ^2/NDF : 149.9/28

3.822 ± 0.298 χ^2/NDF : 104.2/29

diff_bpm0l06Y_rms vs Slug



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

Left Out: 1078.663 $\pm$ 0.263 χ^2 /NDF: 913754.8/11

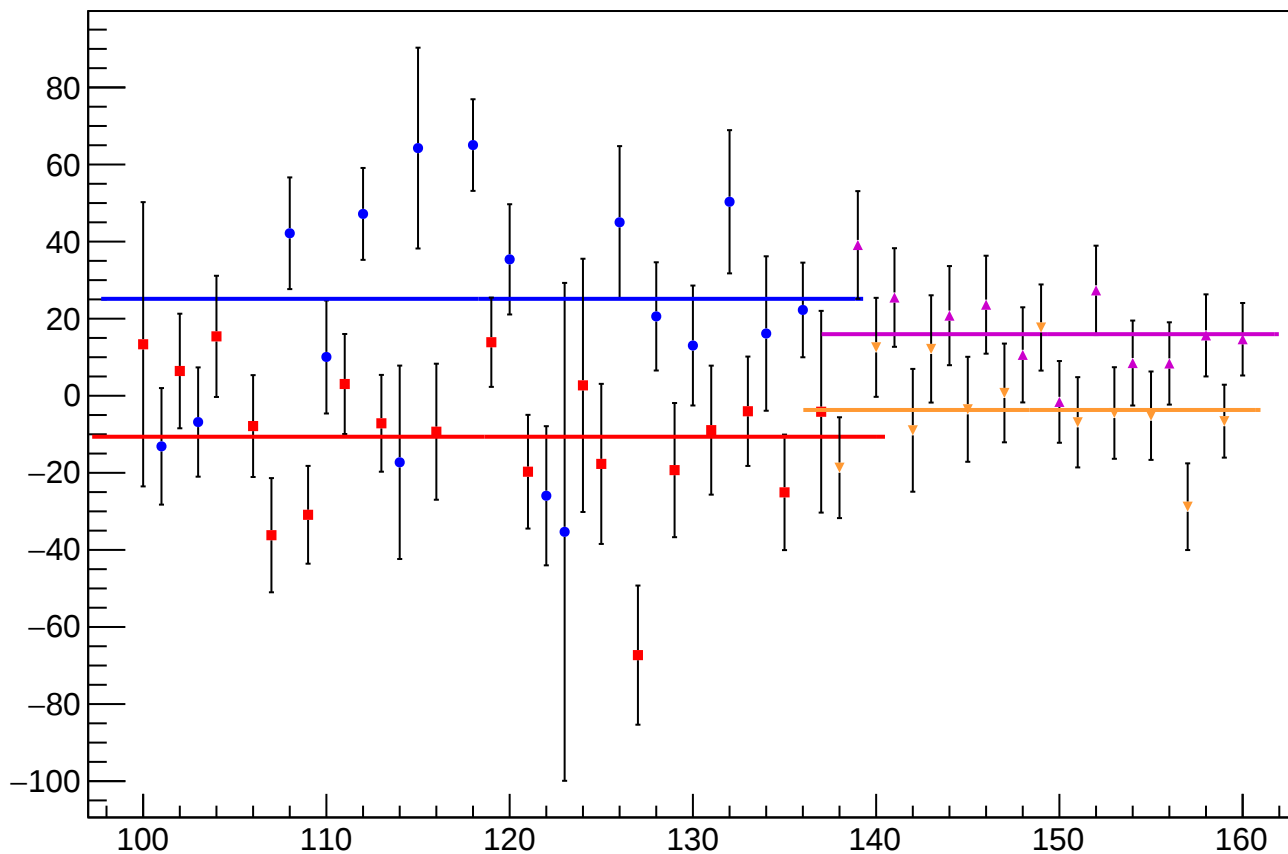
Right Out: 1219.041 $\pm$ 0.323 χ^2 /NDF: 40370.4/18

Left In: 1136.306 $\pm$ 0.279 χ^2 /NDF: 1037982.8/10

1137.634 $\pm$ 0.207 χ^2 /NDF: 1069789.1/28

1171.648 $\pm$ 0.211 χ^2 /NDF: 1116001.5/29

diff_bpm0l07X_mean vs Slug



Right In: 25.149 $\pm$ 3.837 χ^2 /NDF: 46.9/16

Left Out: -3.689 $\pm$ 3.502 χ^2 /NDF:13.3/11

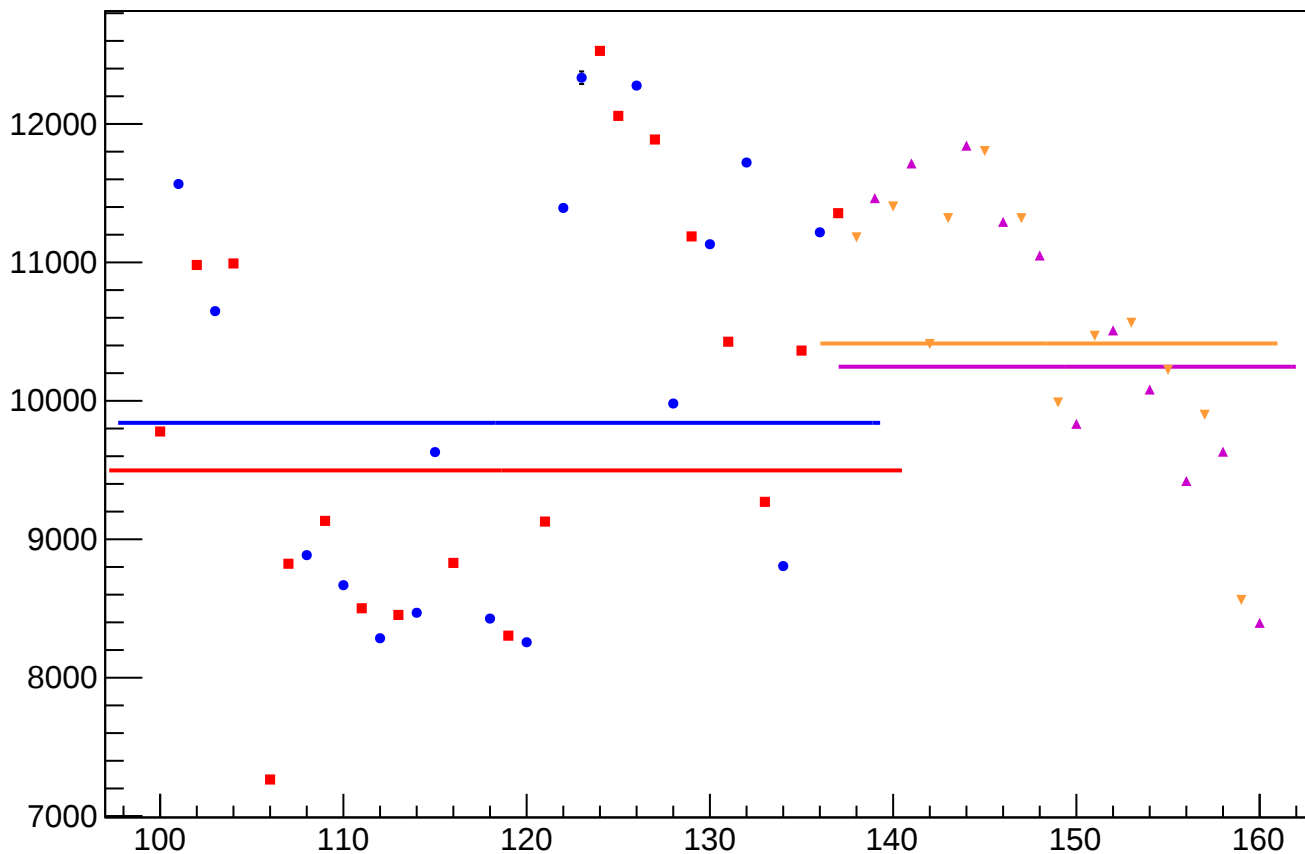
Right Out: -10.634 $\pm$ 3.595 χ^2 /NDF: 27.7/18

Left In: 15.980 $\pm$ 3.461 χ^2 /NDF:8.7/10

9.414 $\pm$ 2.587 χ^2 /NDF: 91.0/28

3.176 $\pm$ 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: 10414.148+/-2.476 χ^2/NDF : 142687.9/11

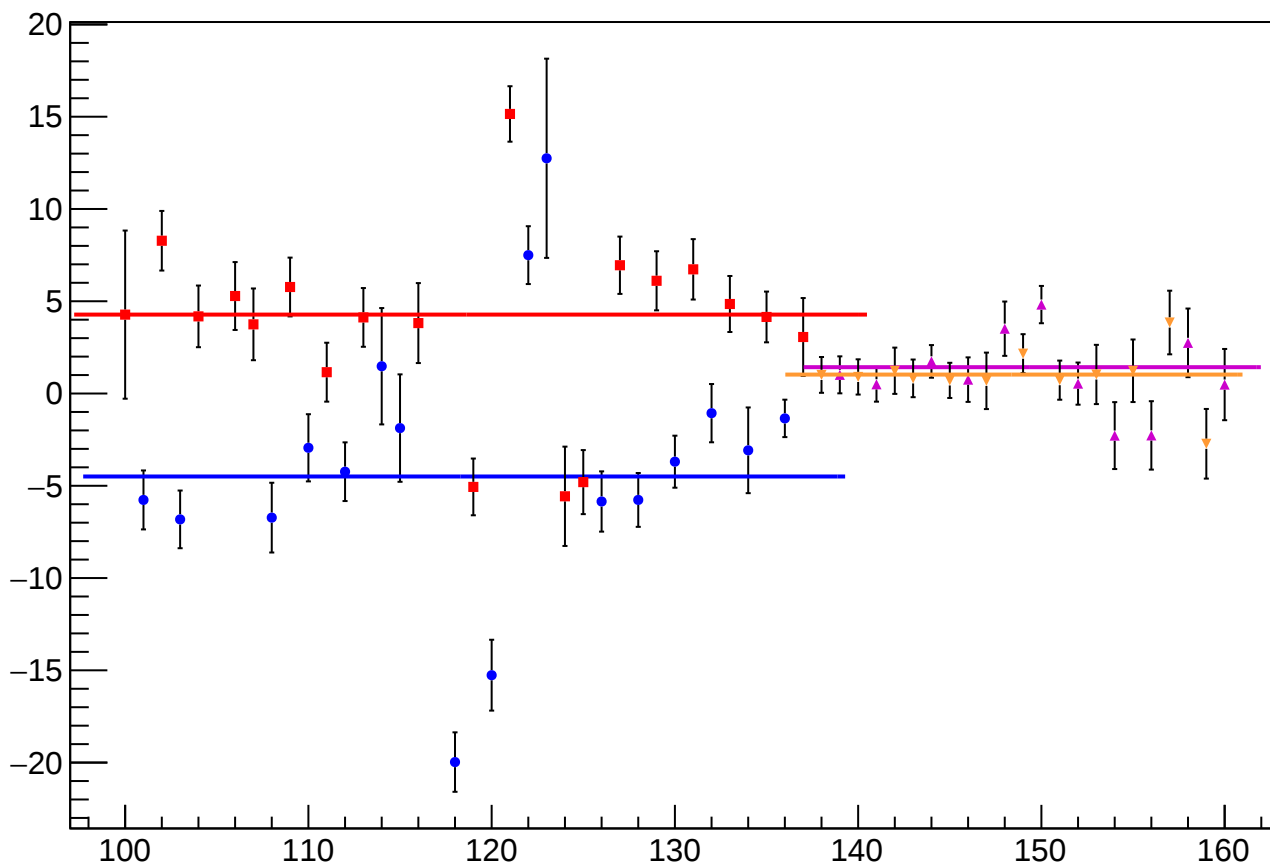
Right Out: 9497.483+/-2.542 χ^2/NDF : 276700.1/18

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

10153.803+/-1.829 χ^2/NDF : 427079.4/28

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

diff_bpm0l07Y_mean vs Slug



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

Left Out: 1.026 ± 0.345 χ^2/NDF : 8.1/11

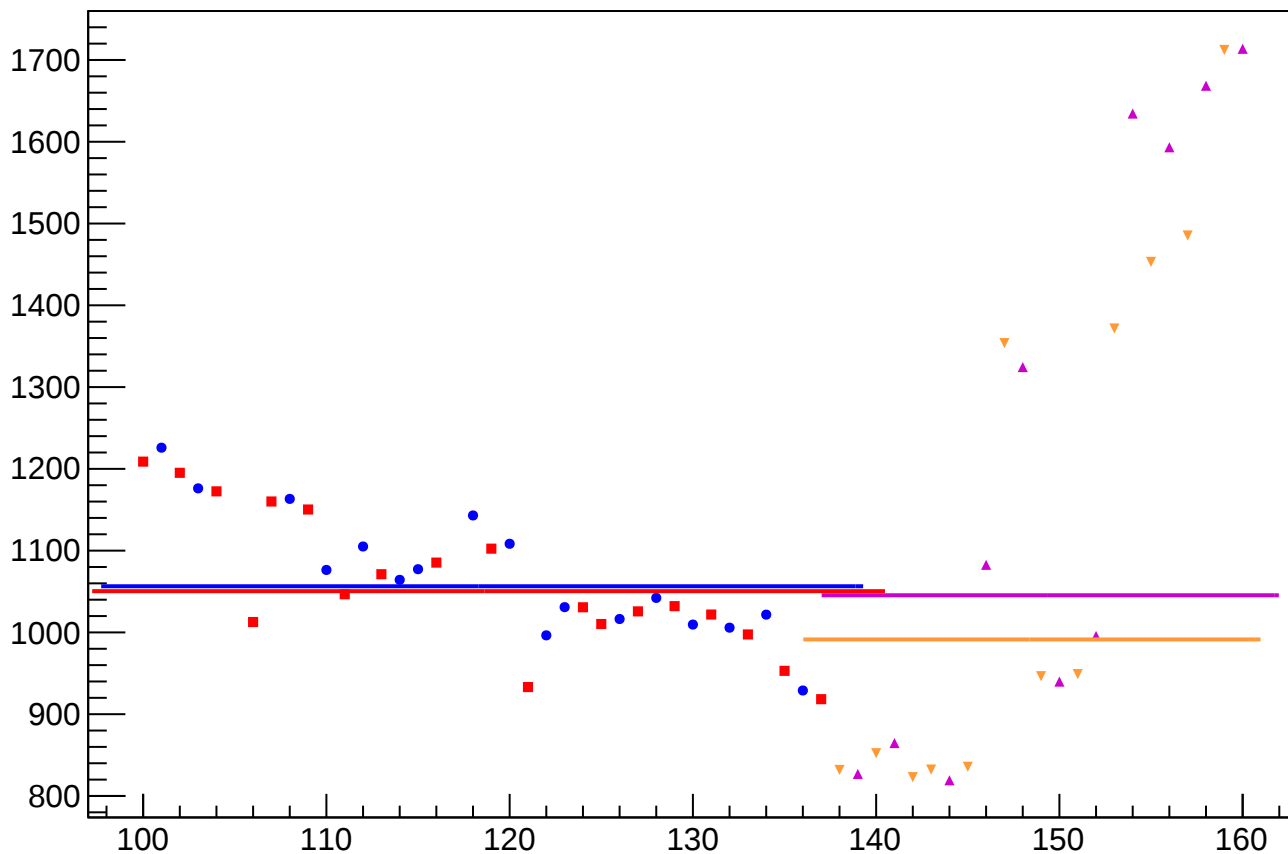
Right Out: 4.277 ± 0.394 χ^2/NDF : 148.2/18

Left In: 1.427 ± 0.366 χ^2/NDF : 24.4/10

-1.272 ± 0.263 χ^2/NDF : 333.4/28

2.749 ± 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: 991.415+/-0.244 χ^2/NDF : 1070169.6/11

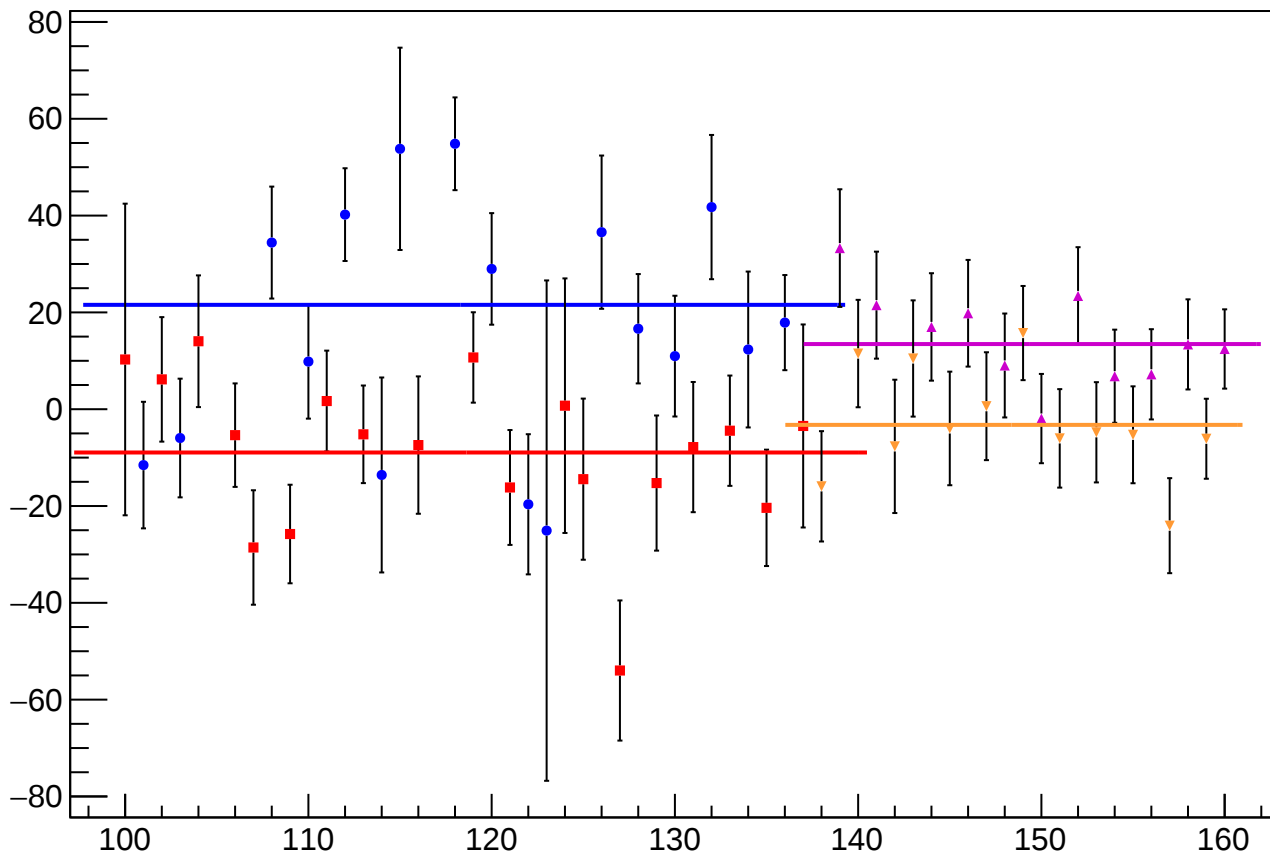
Right Out: 1050.443+/-0.279 χ^2/NDF : 82396.5/18

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

1018.470+/-0.186 χ^2/NDF : 1190577.3/28

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

diff_bpm0l08X_mean vs Slug



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

Left Out: -3.236 $\pm$ 3.044 χ^2 /NDF:13.1/11

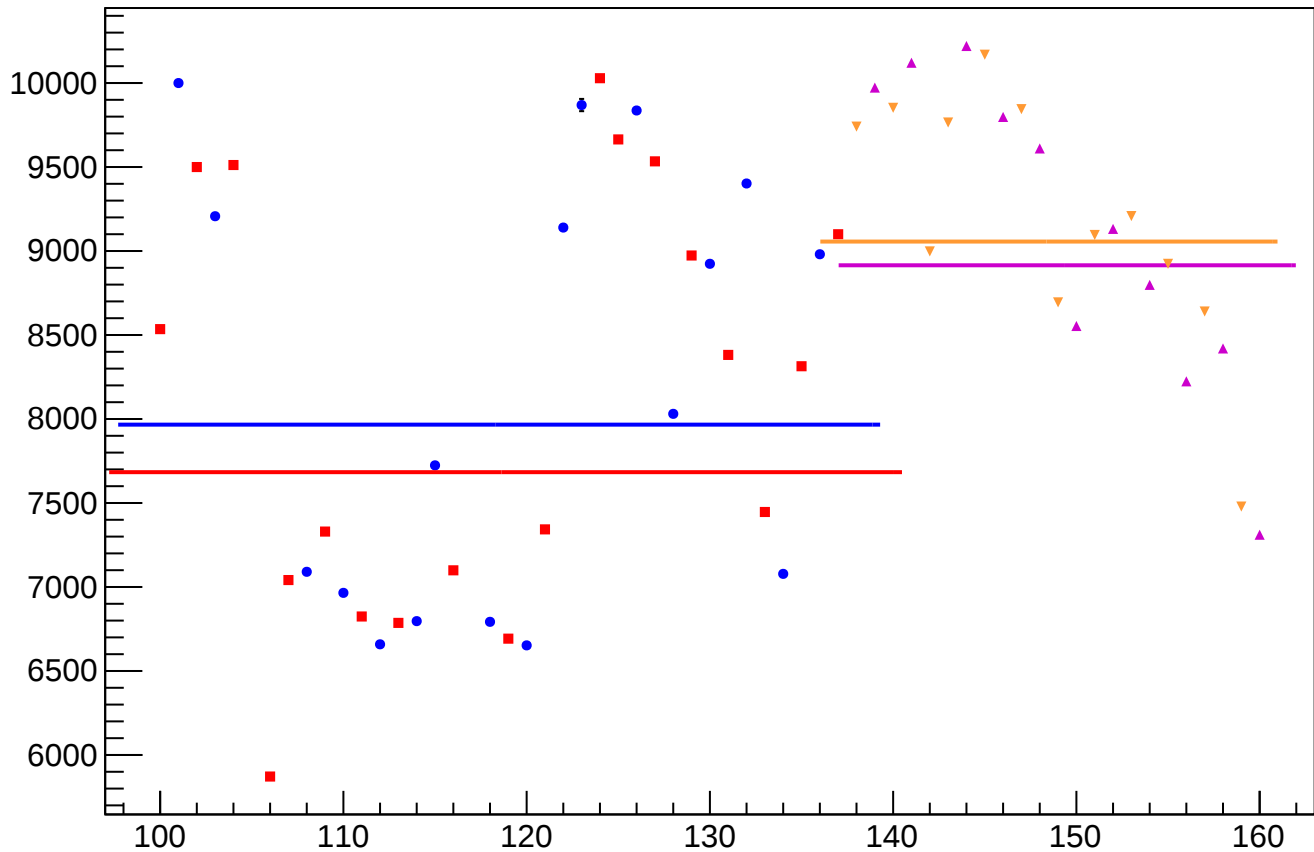
Right Out: -8.943 $\pm$ 2.912 χ^2 /NDF: 27.4/18

Left In: 13.459 $\pm$ 3.010 χ^2 /NDF:8.5/10

8.896 $\pm$ 2.176 χ^2 /NDF: 94.0/28

1.886 $\pm$ 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: 9056.221 $\pm$ 2.153 χ^2 /NDF:132553.4/11

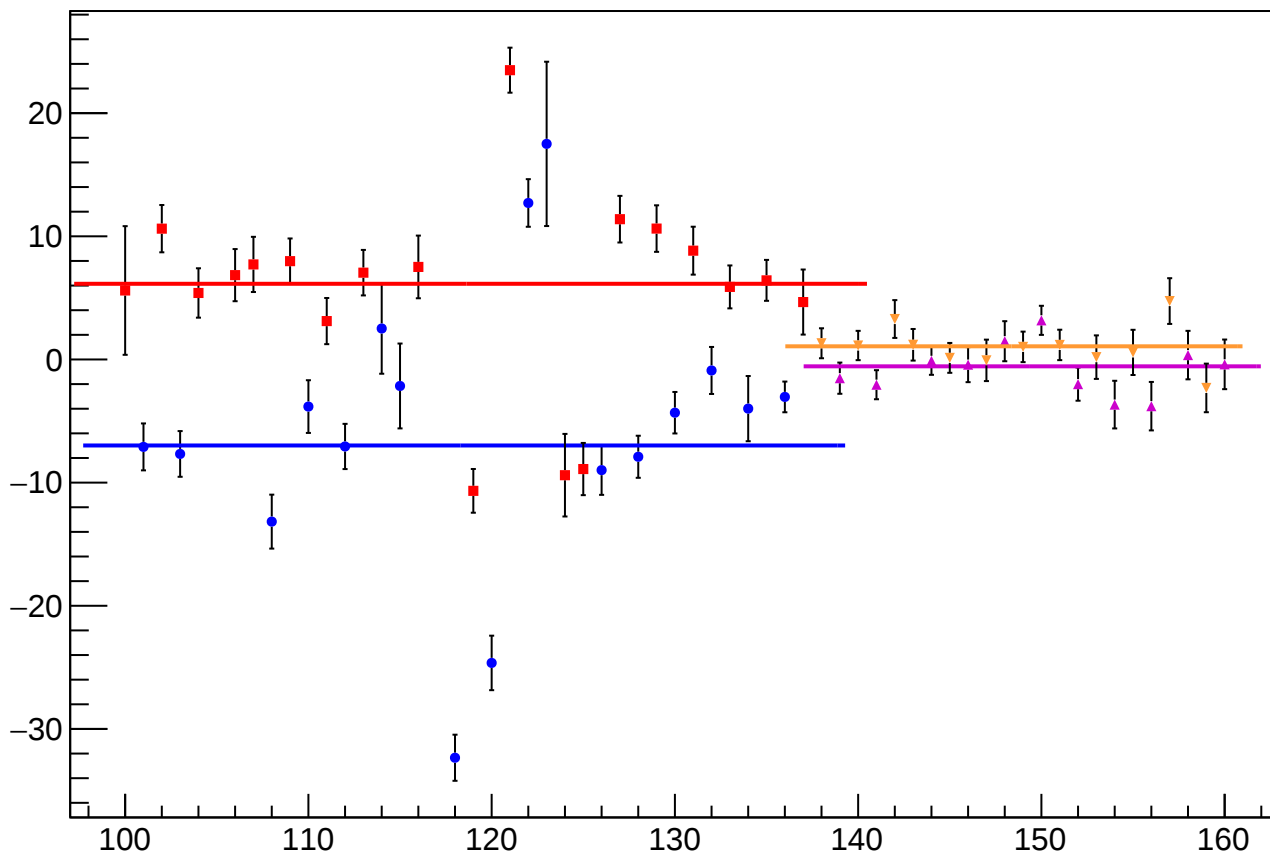
Right Out: 7683.479 $\pm$ 2.059 χ^2 /NDF: 315033.7/18

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

8523.022 $\pm$ 1.538 χ^2 /NDF: 554571.1/28

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: 1.068 ± 0.411 χ^2/NDF : 10.4/11

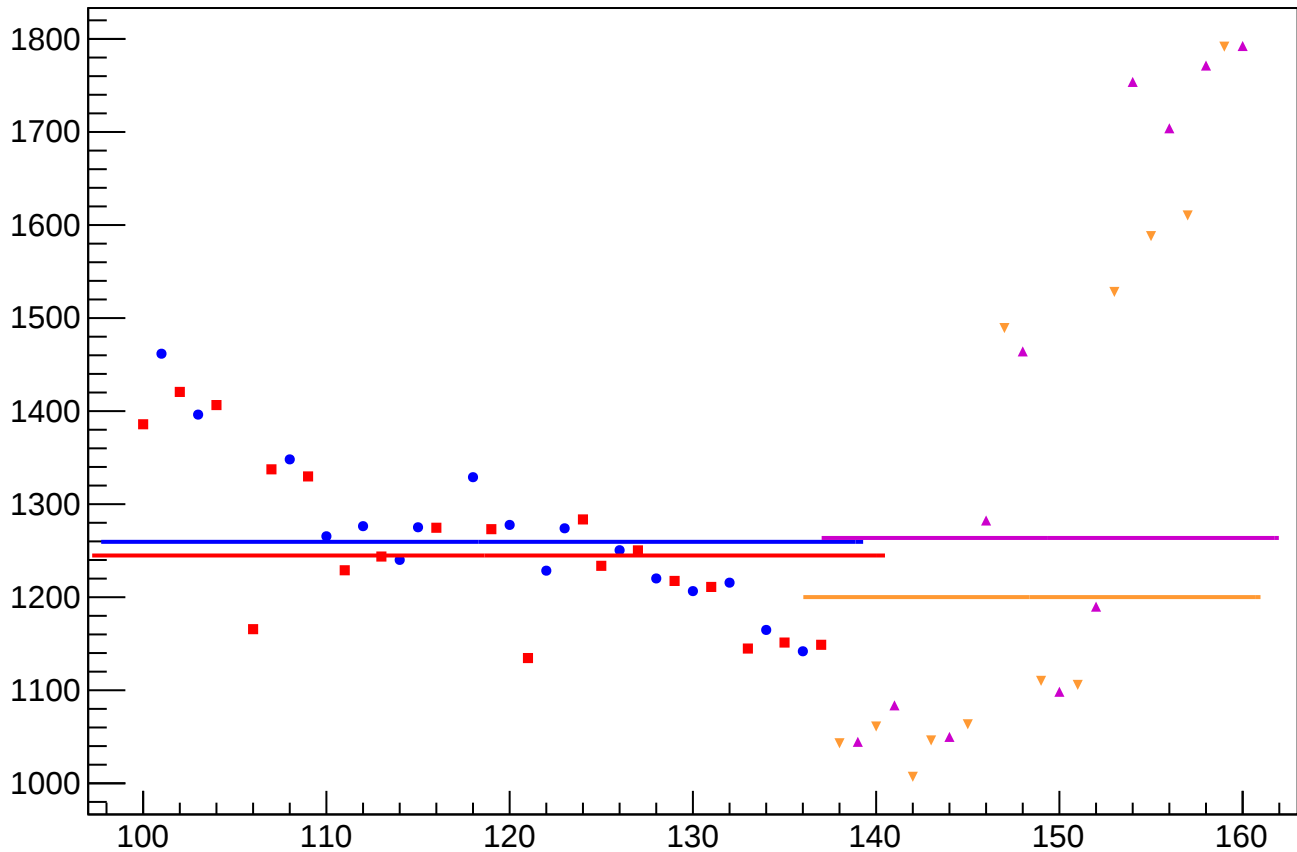
Right Out: 6.145 ± 0.467 χ^2/NDF : 277.5/18

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

-2.288 ± 0.314 χ^2/NDF : 578.9/28

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: 1200.130+/-0.291 χ^2/NDF : 663639.0/11

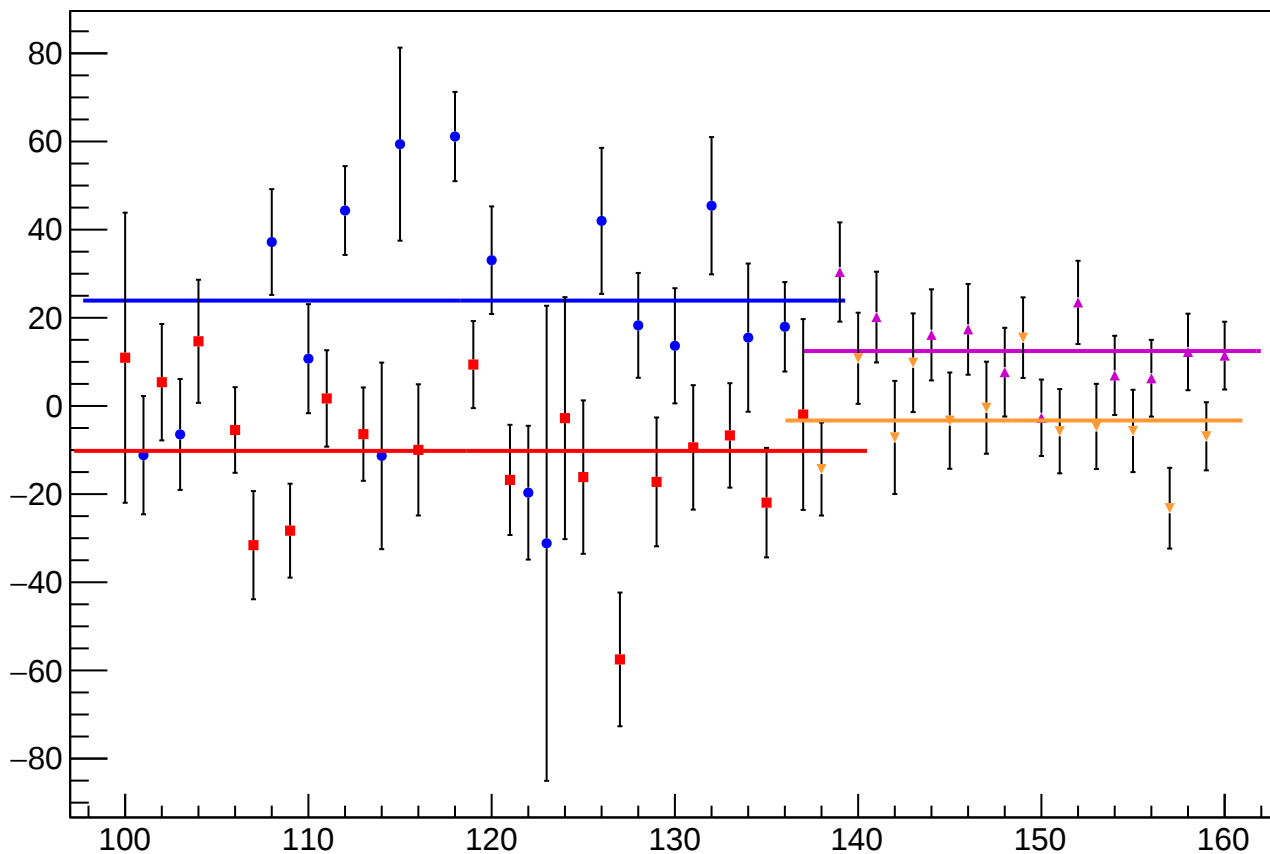
Right Out: 1244.837+/-0.330 χ^2/NDF : 66826.0/18

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

1224.891+/-0.222 χ^2/NDF : 745893.5/28

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: -3.294 $\pm$ 2.843 χ^2 /NDF:13.8/11

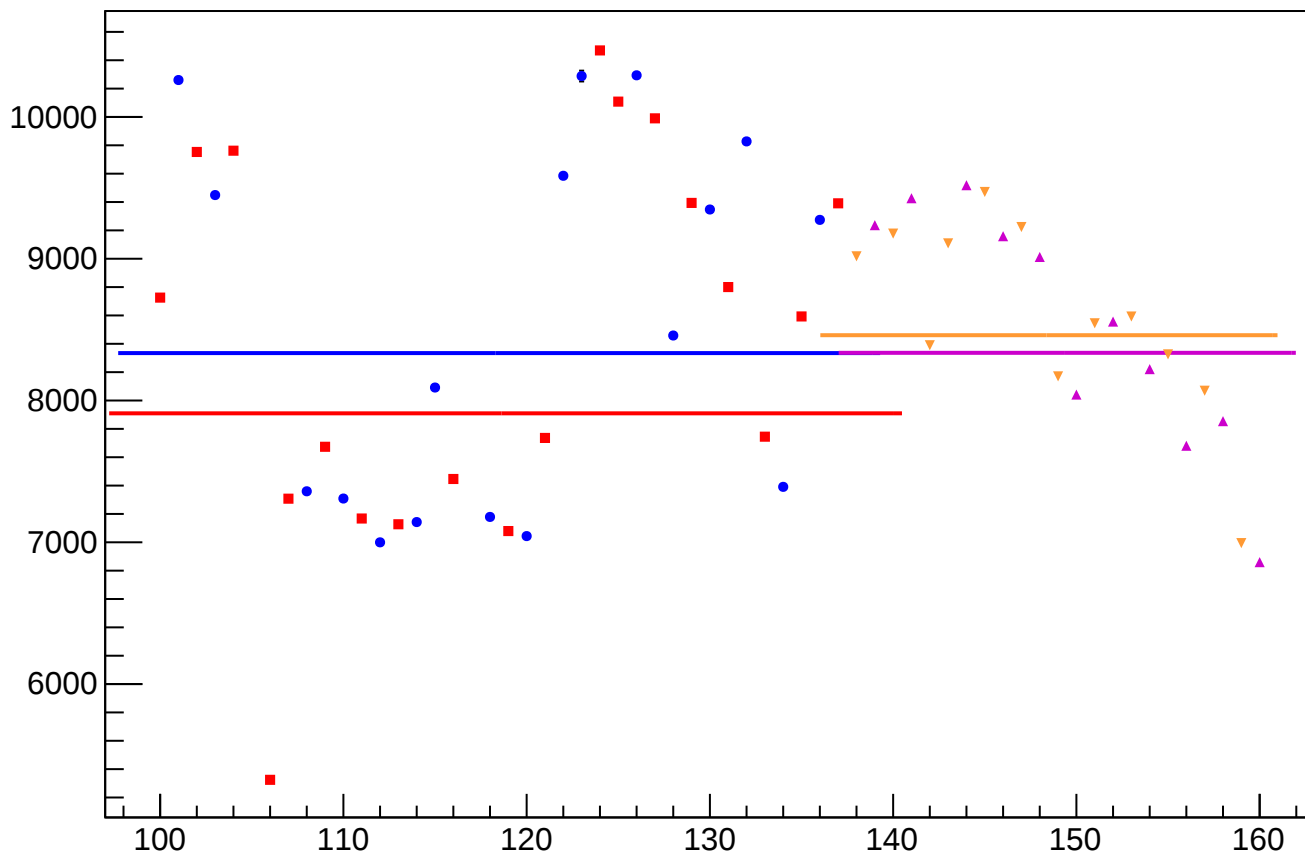
Right Out: -10.190 $\pm$ 3.006 χ^2 /NDF: 27.9/18

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

8.496 $\pm$ 2.140 χ^2 /NDF: 105.9/28

1.879 $\pm$ 2.054 χ^2 /NDF: 67.2/29

diff_bpm0l09X_rms vs Slug



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

Left Out: 8460.659+/-2.011 χ^2/NDF :128361.6/11

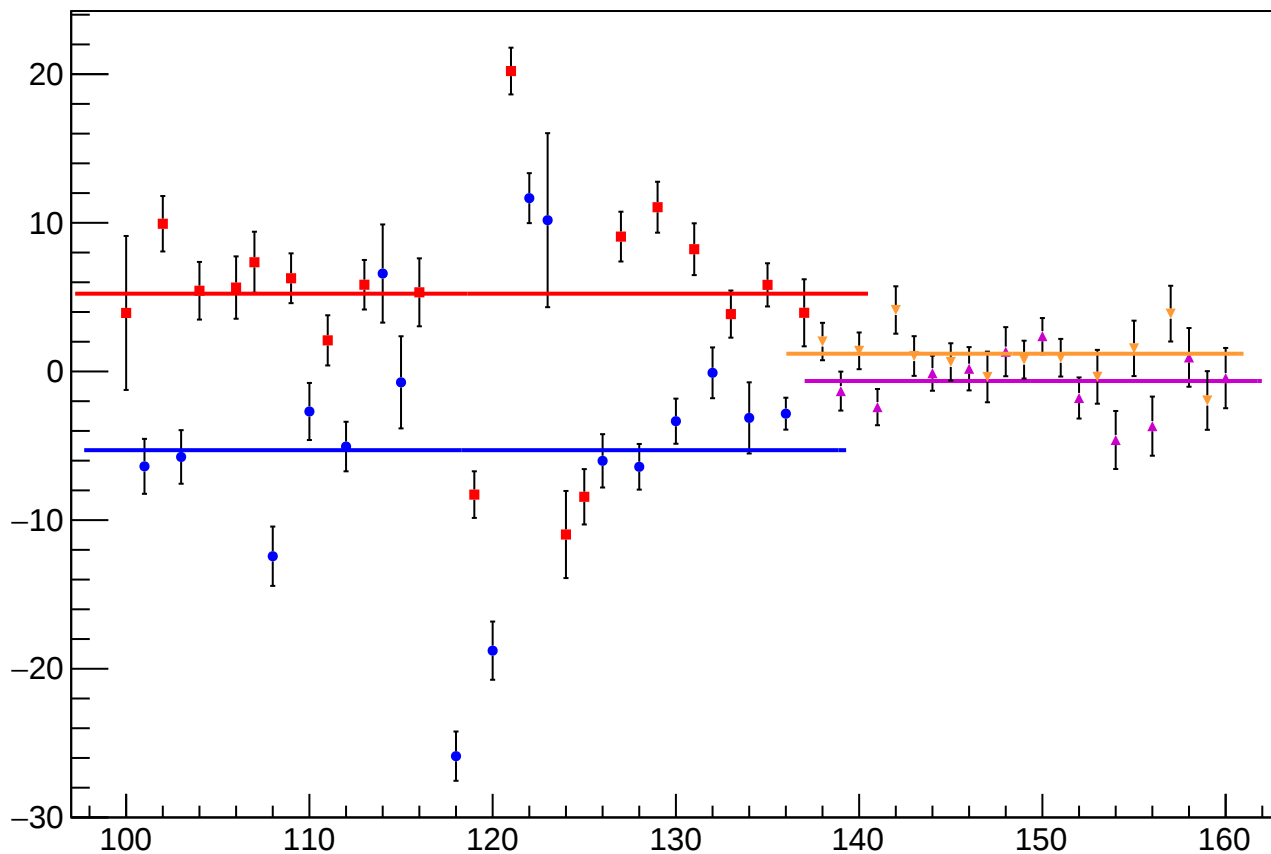
Right Out: 7909.620+/-2.125 χ^2/NDF : 390819.3/18

Left In: 8336.375+/-1.990 χ^2/NDF :178229.0/10

8405.973+/-1.513 χ^2/NDF : 402370.6/28

8137.026+/-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: 1.194 ± 0.423 χ^2/NDF : 10.4/11

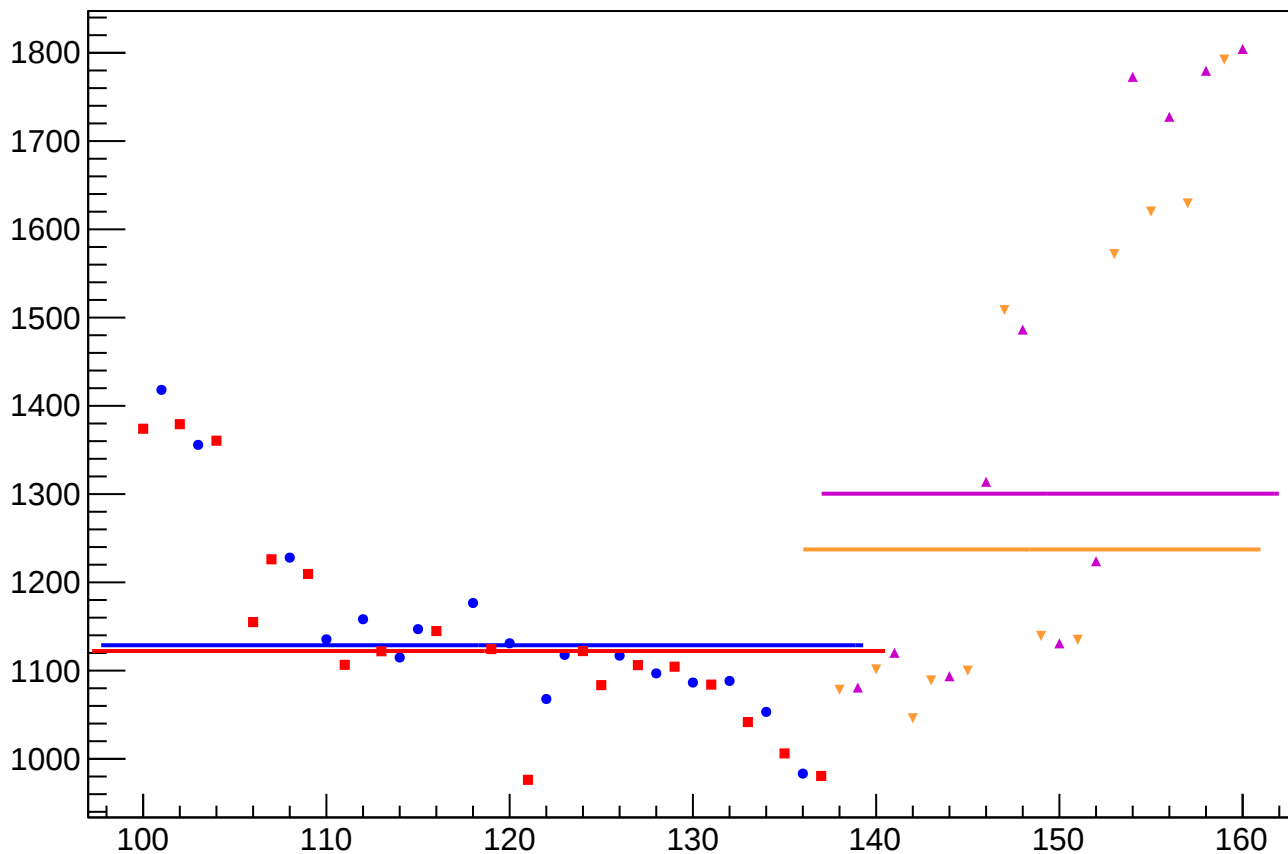
Right Out: 5.233 ± 0.422 χ^2/NDF : 281.9/18

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

-1.943 ± 0.304 χ^2/NDF : 482.5/28

2.462 ± 0.306 χ^2/NDF : 391.7/29

diff_bpm0l09Y_rms vs Slug



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

Left Out: 1237.275 $\pm$ 0.299 χ^2 /NDF: 607614.2/11

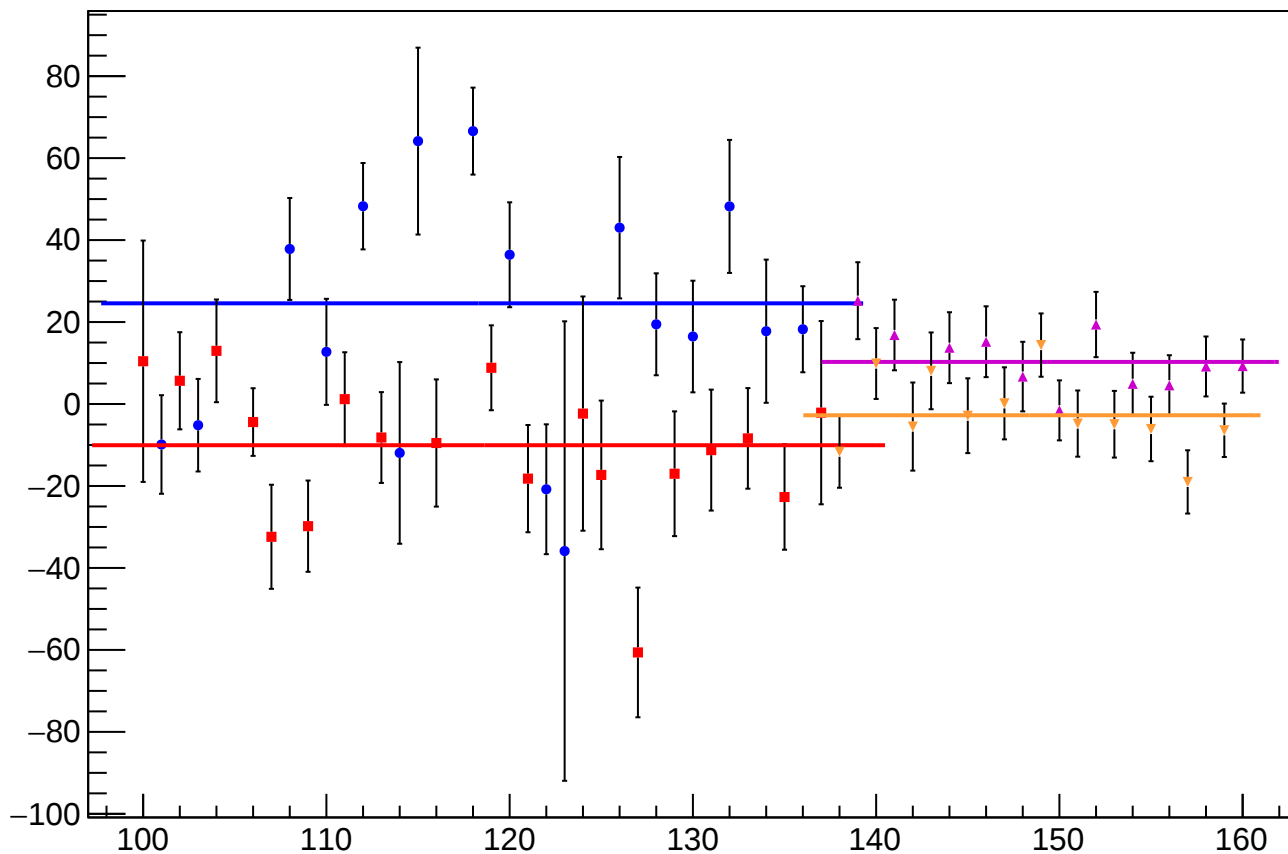
Right Out: 1122.238 $\pm$ 0.298 χ^2 /NDF: 129601.6/18

Left In: 1300.471 $\pm$ 0.315 χ^2 /NDF: 682306.1/10

1184.797 $\pm$ 0.215 χ^2 /NDF: 804475.9/28

1206.323 $\pm$ 0.217 χ^2 /NDF: 980495.5/29

diff_bpm0l10X_mean vs Slug



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

Left Out: -2.746 $\pm$ 2.391 χ^2 /NDF:14.7/11

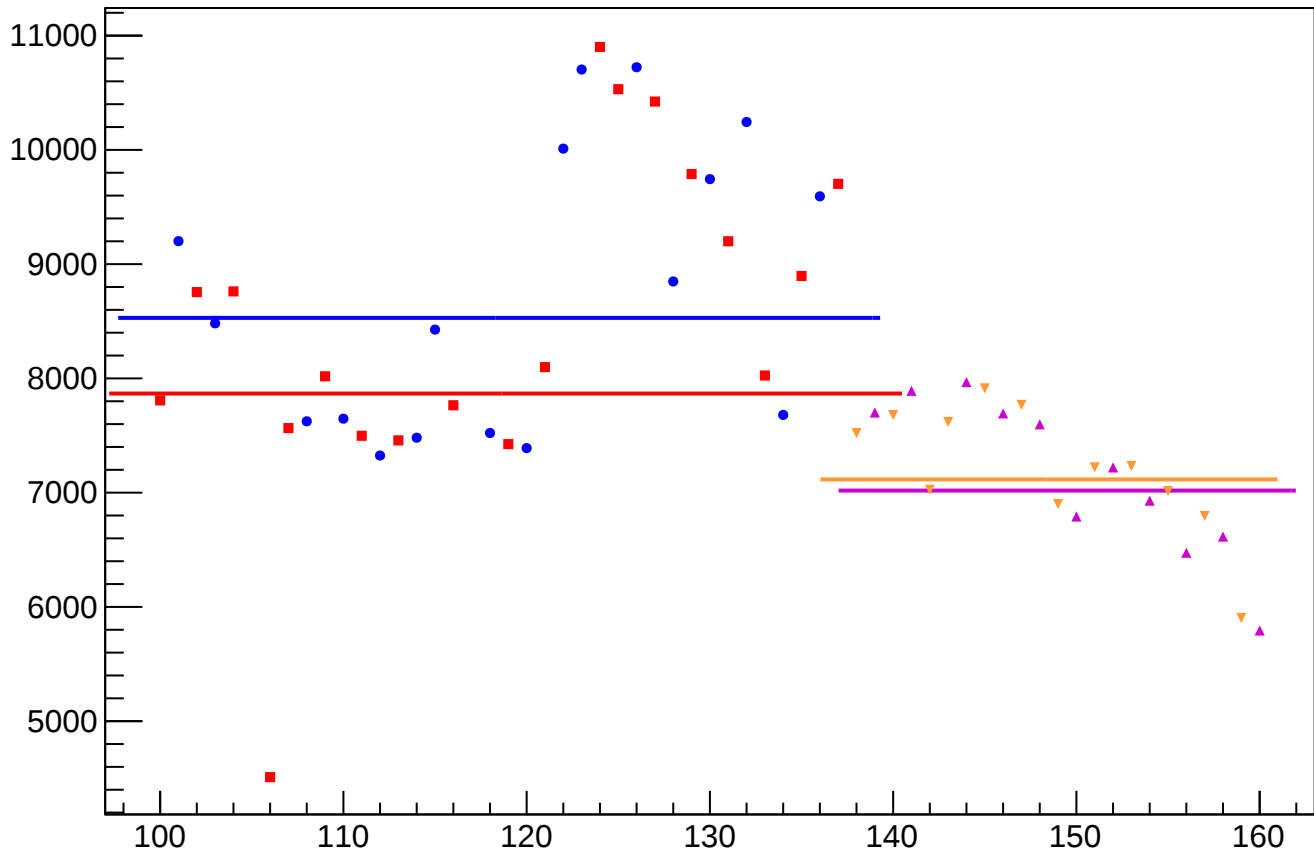
Right Out: -10.057 $\pm$ 3.008 χ^2 /NDF: 28.8/18

Left In: 10.272 $\pm$ 2.368 χ^2 /NDF:8.8/10

6.588 $\pm$ 1.940 χ^2 /NDF: 117.4/28

2.492 $\pm$ 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: 7115.889+/-1.691 χ^2/NDF : 120146.7/11

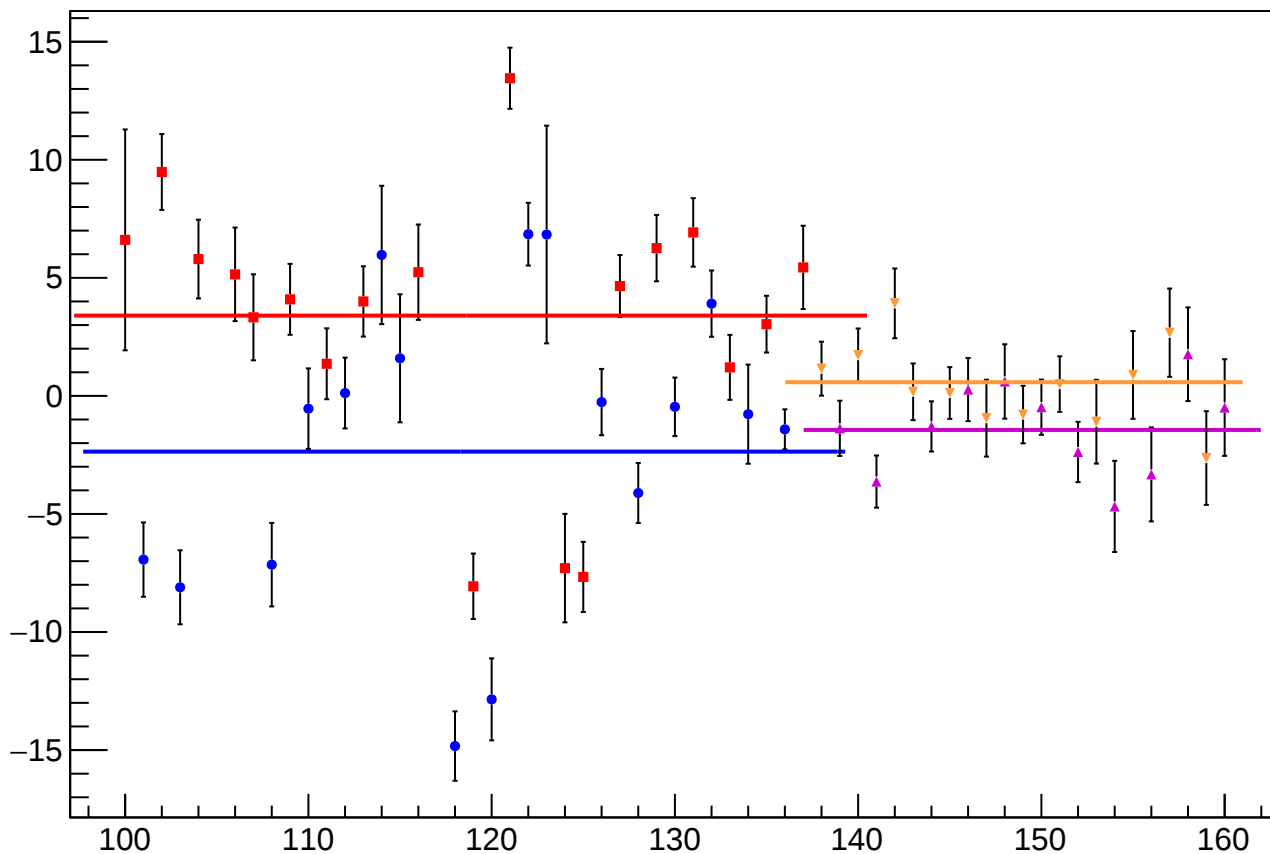
Right Out: 7867.584+/-2.127 χ^2/NDF : 555841.7/18

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

7599.042+/-1.372 χ^2/NDF : 567514.6/28

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: 0.580 ± 0.393 χ^2/NDF : 13.6/11

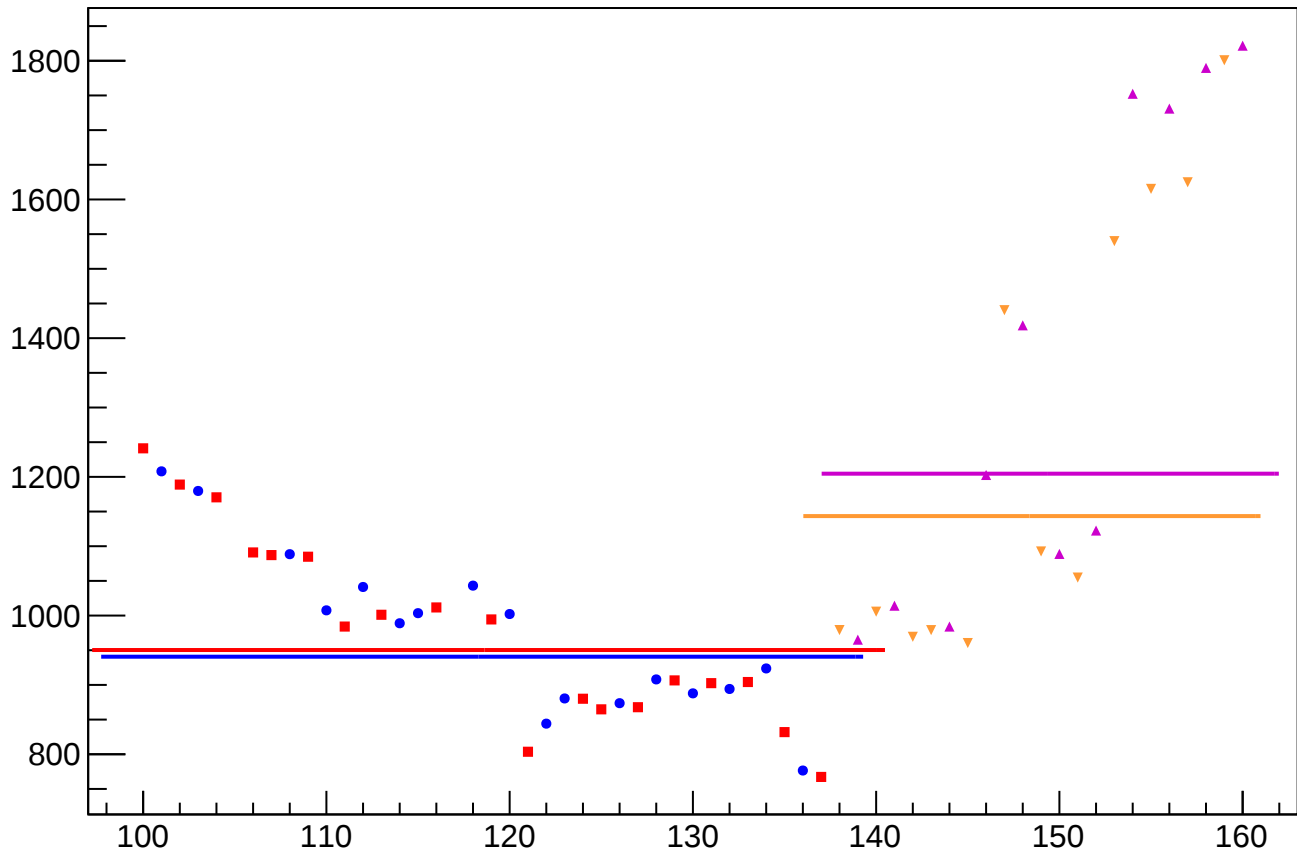
Right Out: 3.401 ± 0.358 χ^2/NDF : 241.4/18

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

-0.998 ± 0.268 χ^2/NDF : 275.6/28

1.344 ± 0.272 χ^2/NDF : 334.1/29

diff_bpm0l10Y_rms vs Slug



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

Left Out: 1143.448 $\pm$ 0.278 χ^2 /NDF:854992.0/11

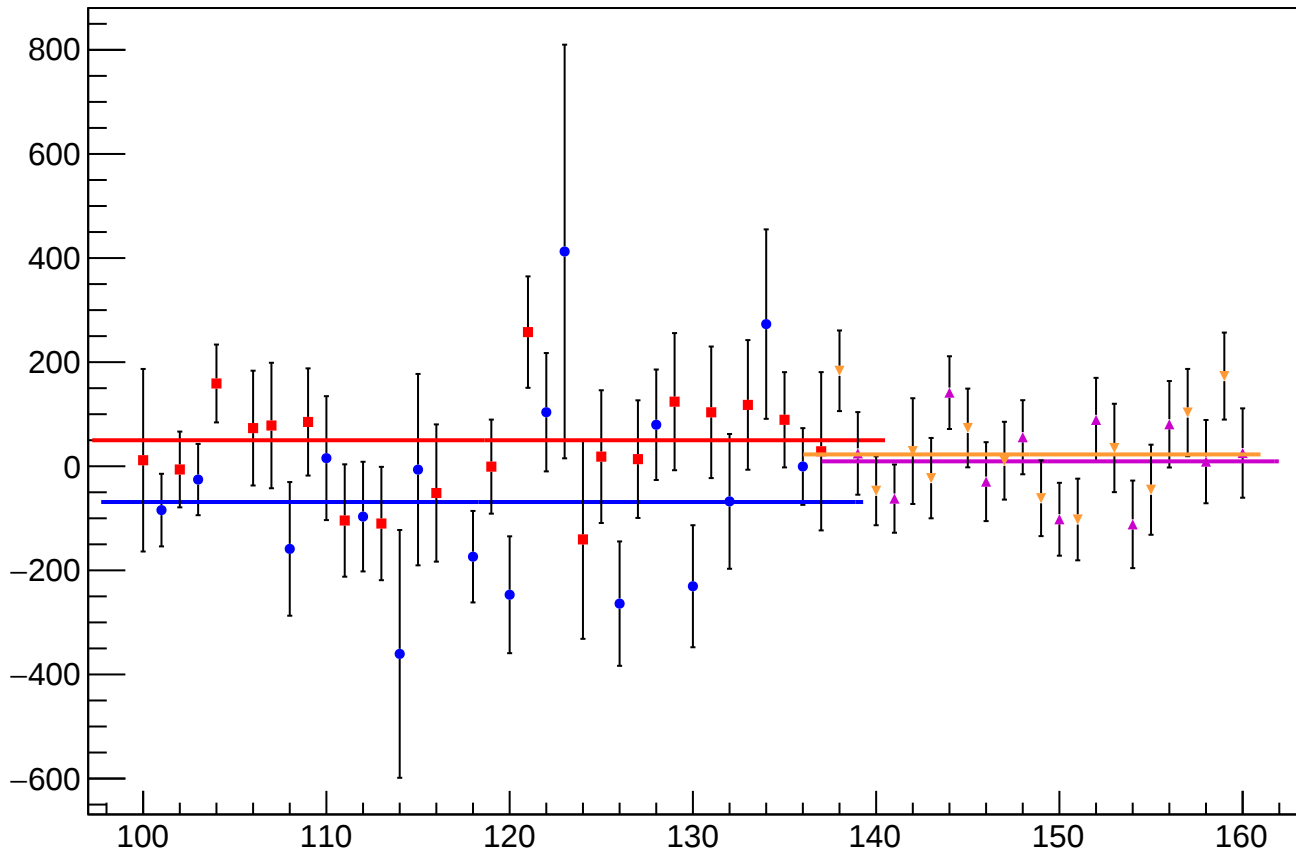
Right Out: 950.316 $\pm$ 0.253 χ^2 /NDF: 220678.1/18

Left In: 1204.588 $\pm$ 0.295 χ^2 /NDF:950638.5/10

1034.621 $\pm$ 0.189 χ^2 /NDF: 1381846.5/28

1058.322 $\pm$ 0.192 χ^2 /NDF: 1599406.4/29

diff_bpm0r03X_mean vs Slug



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

Left Out: 22.749 ± 22.810 χ^2/NDF : 14.9/11

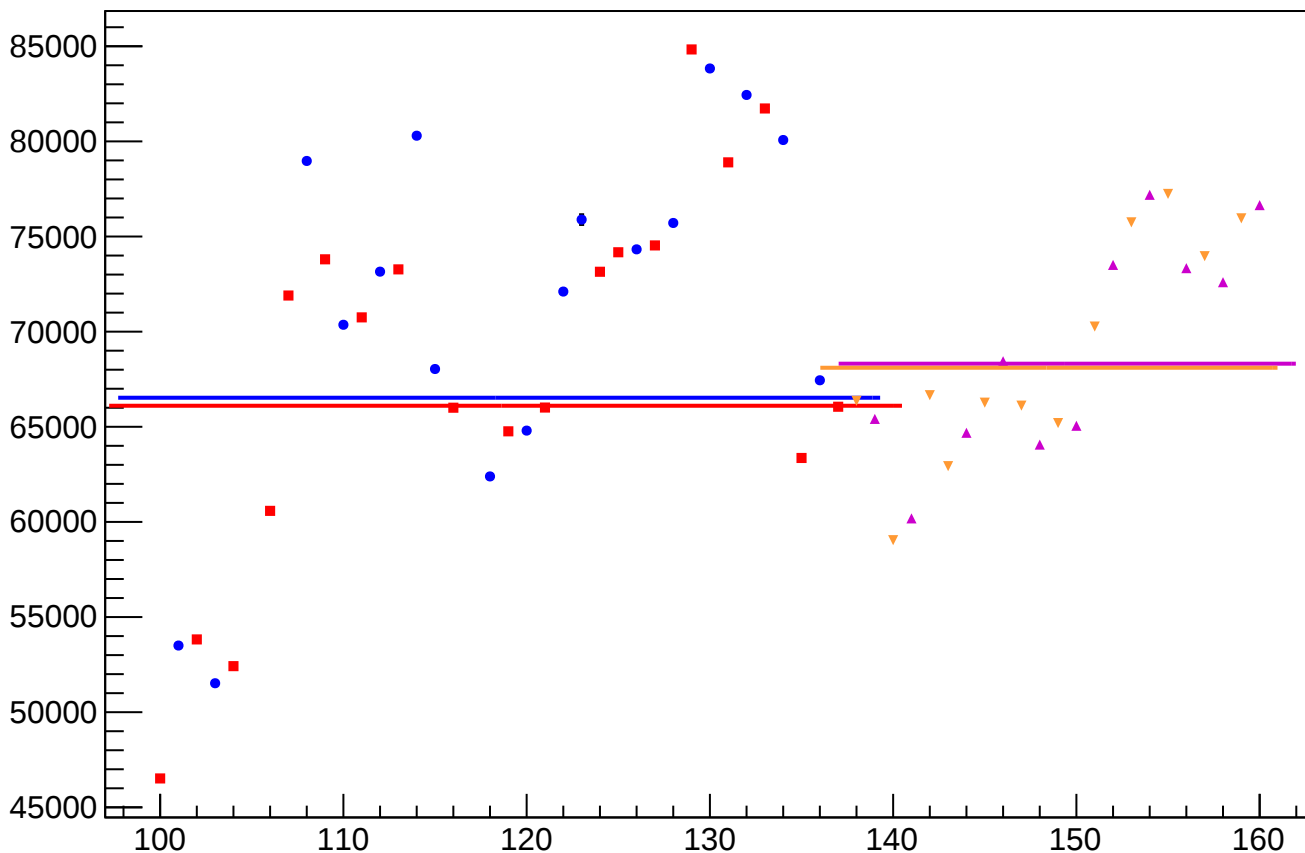
Right Out: 49.958 ± 25.020 χ^2/NDF : 14.0/18

Left In: 9.414 ± 22.923 χ^2/NDF : 11.8/10

-17.113 ± 17.131 χ^2/NDF : 43.7/28

27.917 ± 16.902 χ^2/NDF : 27.3/29

diff_bpm0r03X_rms vs Slug



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

Left Out: 68102.715 ± 16.129 χ^2/NDF : 121100.5/11

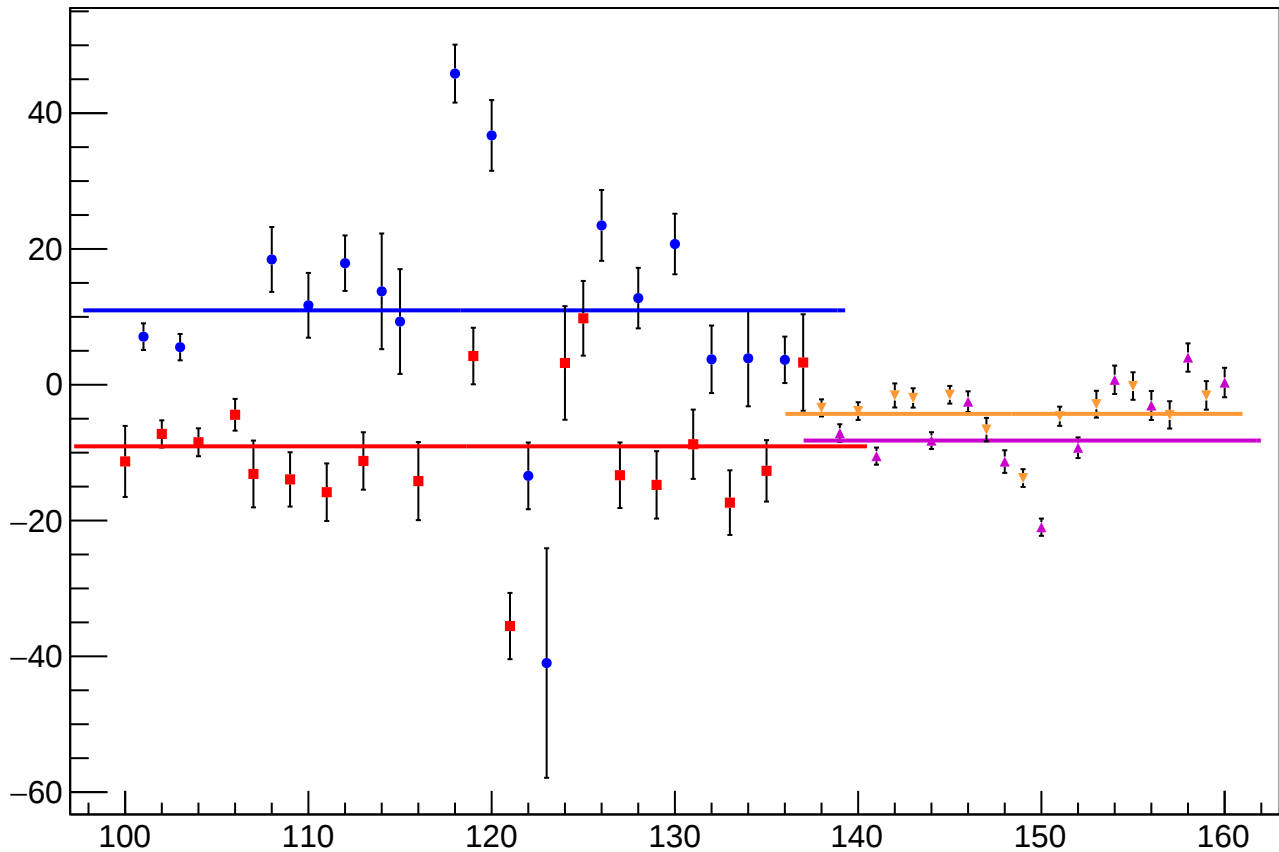
Right Out: 66105.849 ± 17.692 χ^2/NDF : 298485.4/18

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

67415.899 ± 12.114 χ^2/NDF : 446147.1/28

67307.634 ± 11.951 χ^2/NDF : 419717.4/29

diff_bpm0r03Y_mean vs Slug



Right In: 10.958 $\pm$ 0.943 χ^2 /NDF: 160.9/16

Left Out: -4.286 $\pm$ 0.447 χ^2 /NDF: 70.2/11

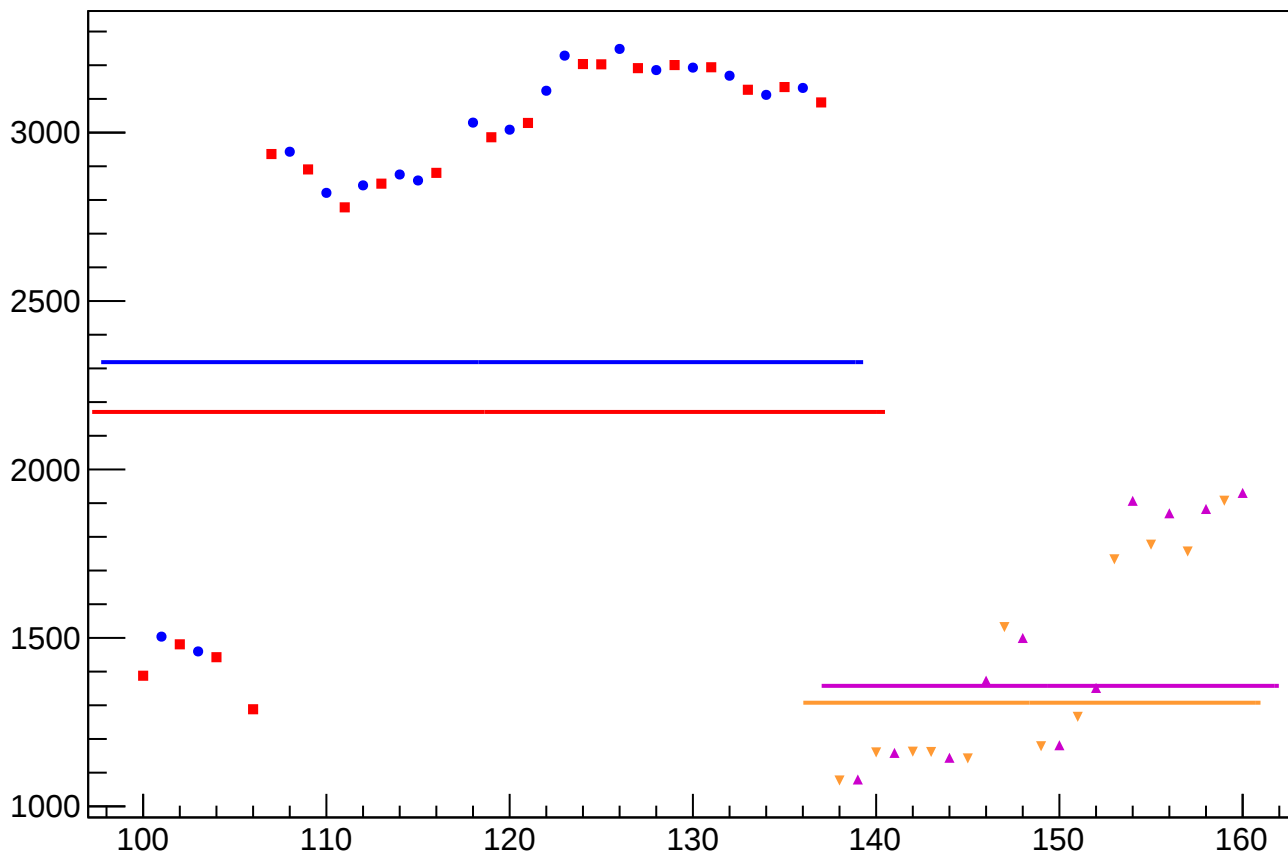
Right Out: -9.072 $\pm$ 0.866 χ^2 /NDF: 73.1/18

Left In: -8.215 $\pm$ 0.466 χ^2 /NDF: 197.1/10

-1.493 $\pm$ 0.404 χ^2 /NDF: 444.5/28

-8.408 $\pm$ 0.411 χ^2 /NDF: 271.0/29

diff_bpm0r03Y_rms vs Slug



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

Left Out: 1307.626+/-0.316 χ^2/NDF : 677392.4/11

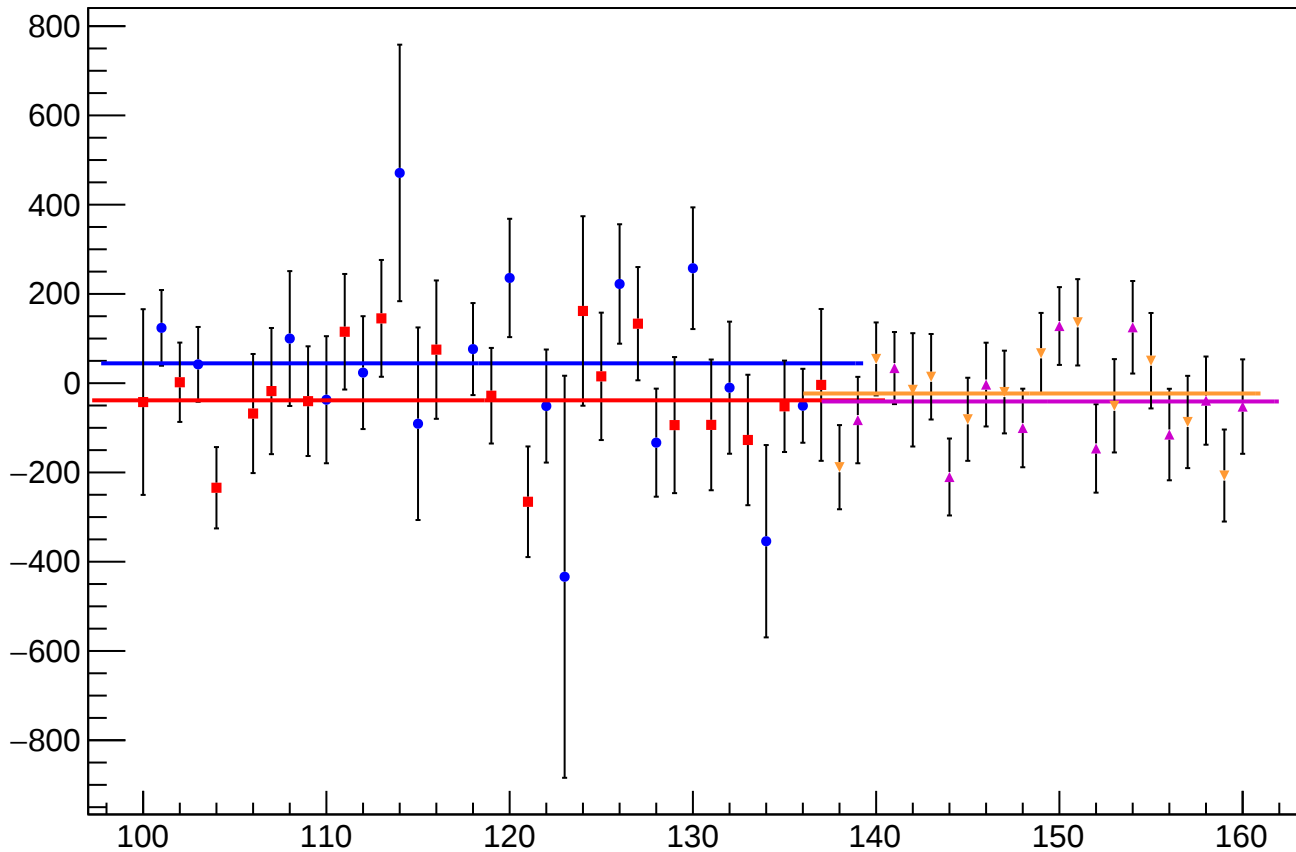
Right Out: 2170.786+/-0.613 χ^2/NDF : 1753687.8/18

Left In: 1357.694+/-0.330 χ^2/NDF : 772503.3/10

1492.860+/-0.285 χ^2/NDF : 3962605.2/28

1540.270+/-0.290 χ^2/NDF : 3892306.8/29

diff_bpm0r05X_mean vs Slug



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

Left Out: -23.086+/-28.168 χ^2/NDF : 12.3/11

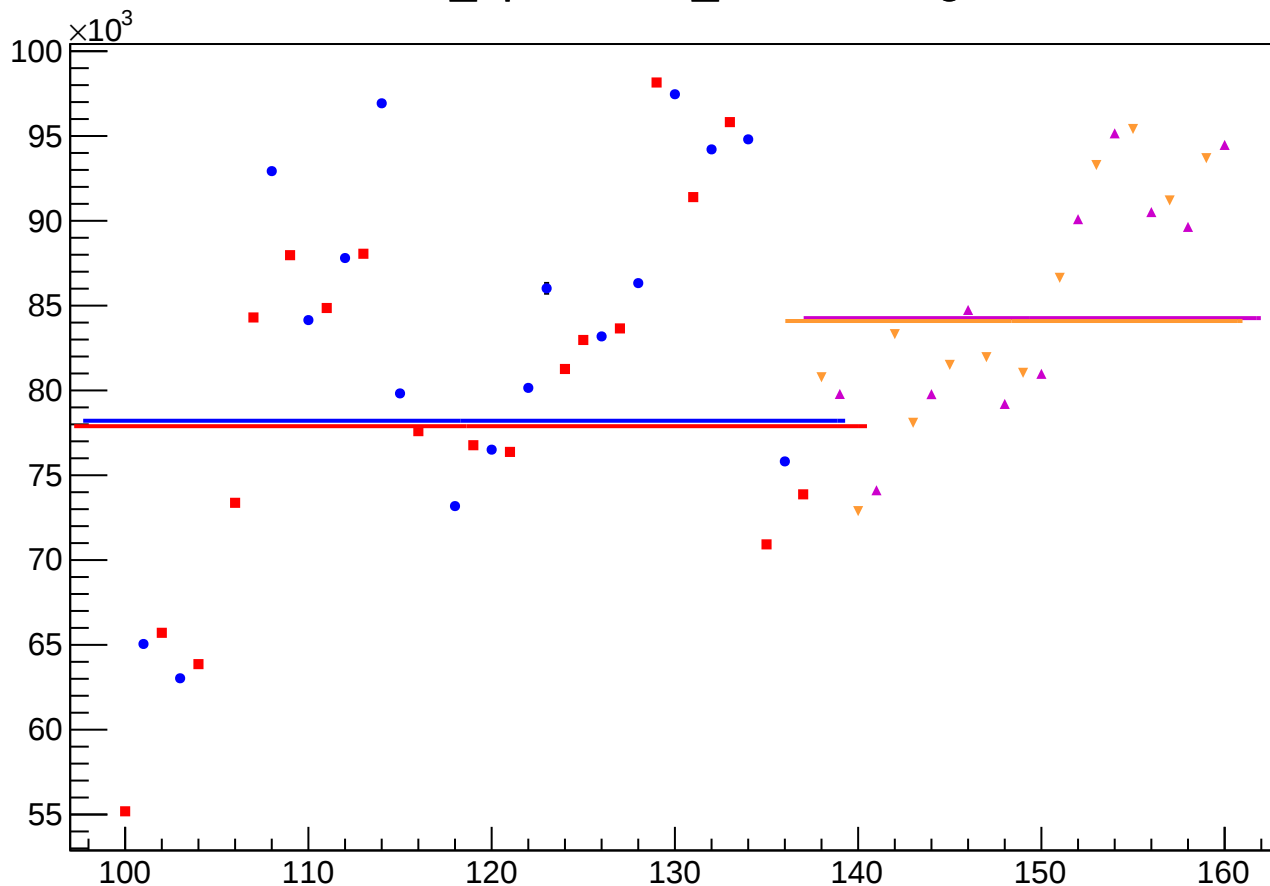
Right Out: -38.425+/-29.435 χ^2/NDF : 15.7/18

Left In: -40.964+/-28.277 χ^2/NDF : 13.5/10

8.092+/-20.672 χ^2/NDF : 34.1/28

-39.746+/-20.392 χ^2/NDF : 29.3/29

diff_bpm0r05X_rms vs Slug



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

Left Out: 84093.071 $\pm$ 19.917 χ^2/NDF : 118937.1/11

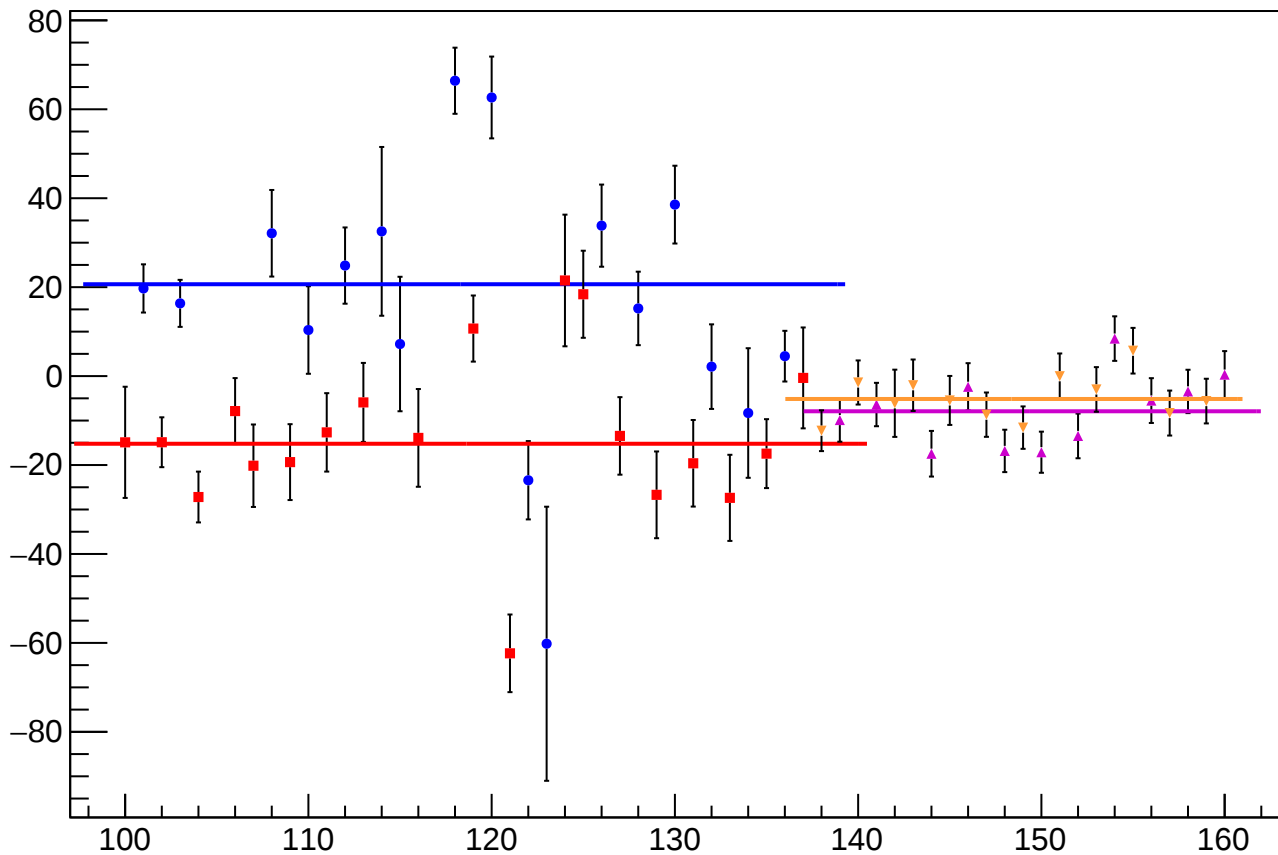
Right Out: 77891.938 $\pm$ 20.814 χ^2/NDF : 246970.2/18

Left In: 84263.272 $\pm$ 19.995 χ^2/NDF : 111744.8/10

81379.913 $\pm$ 14.617 χ^2/NDF : 410208.9/28

81205.404 $\pm$ 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: -5.145 ± 1.495 χ^2/NDF : 11.7/11

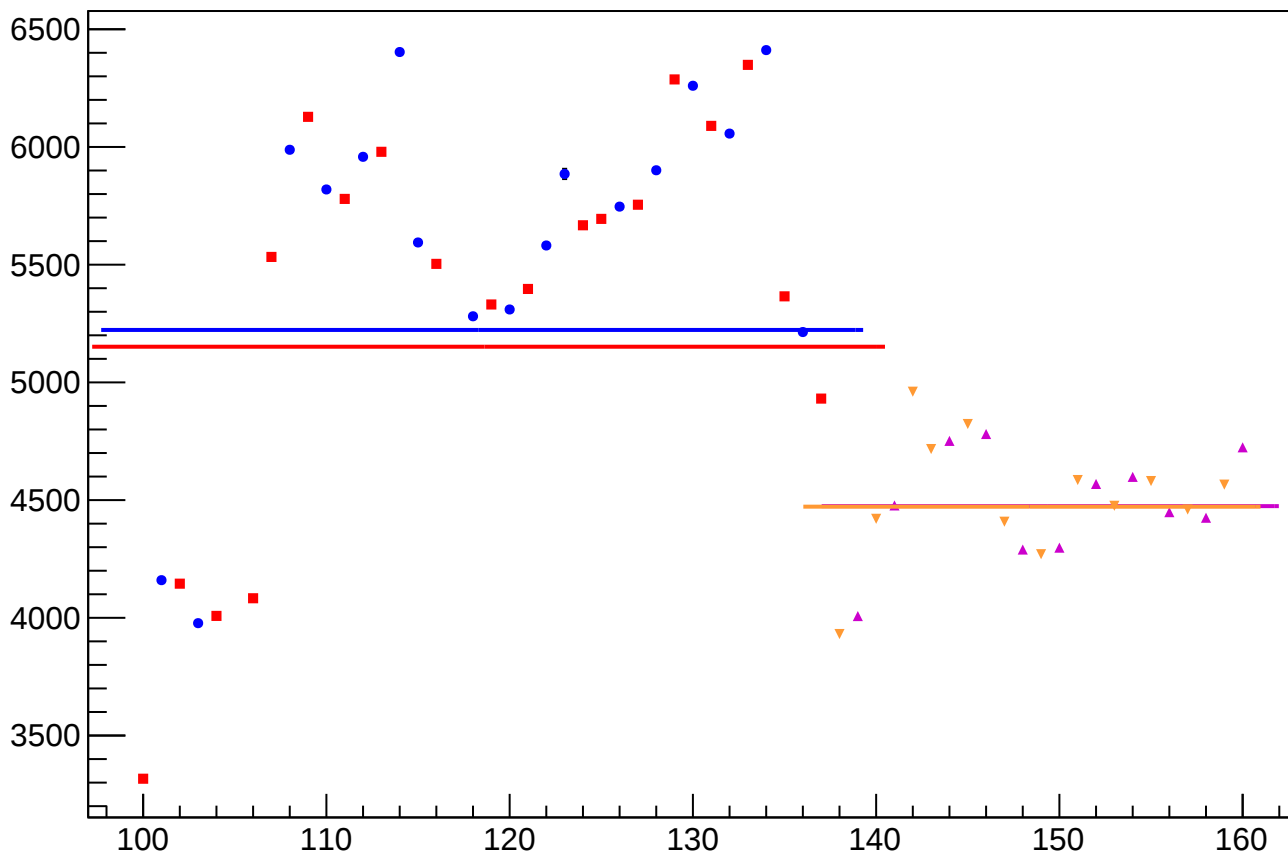
Right Out: -15.216 ± 1.955 χ^2/NDF : 71.3/18

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

3.896 ± 1.205 χ^2/NDF : 233.7/28

-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: 4472.160 $\pm$ 1.057 χ^2 /NDF: 54565.2/11

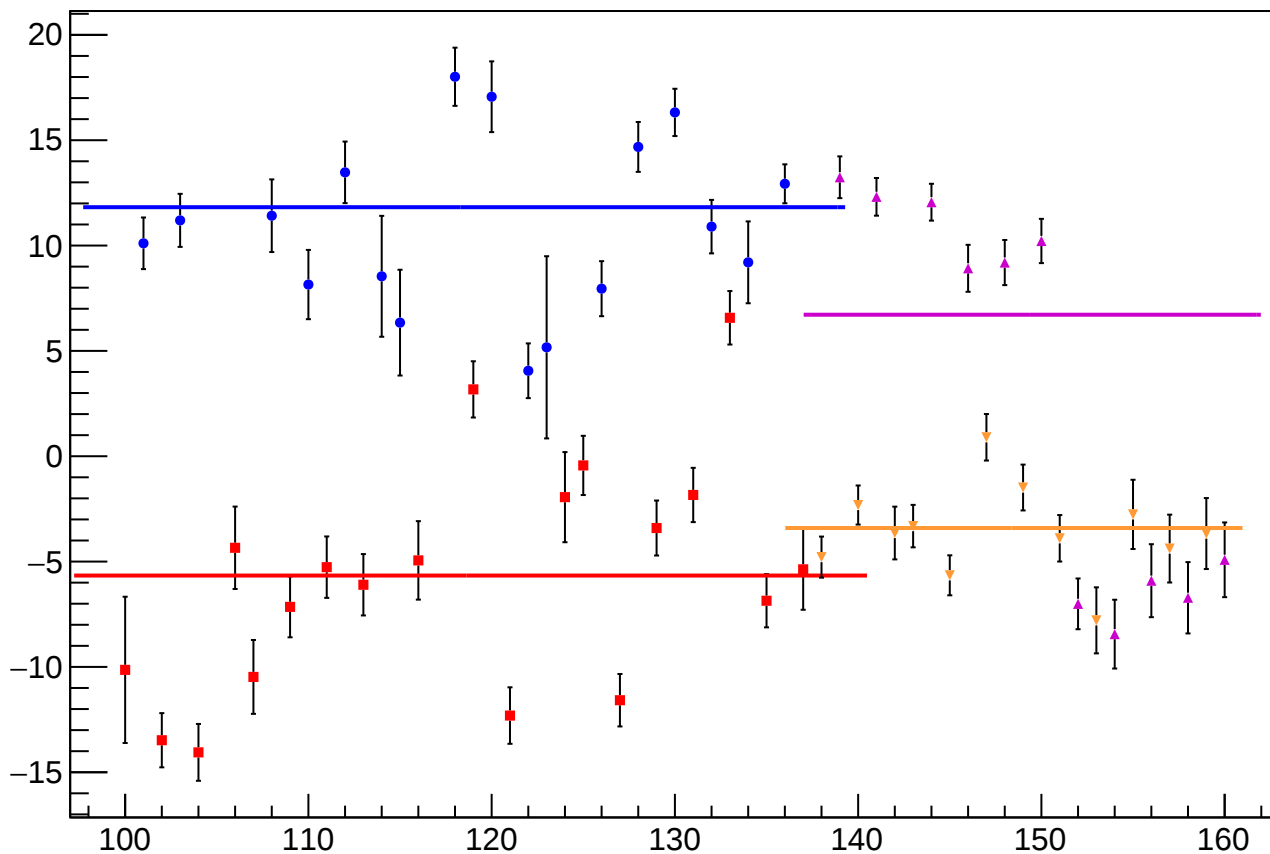
Right Out: 5151.532 $\pm$ 1.382 χ^2 /NDF: 387685.6/18

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

4735.161 $\pm$ 0.852 χ^2 /NDF: 543670.4/28

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

diff_bpm2i01X_mean vs Slug



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

Left Out: -3.407 ± 0.334 $\chi^2/\text{NDF}: 35.9/11$

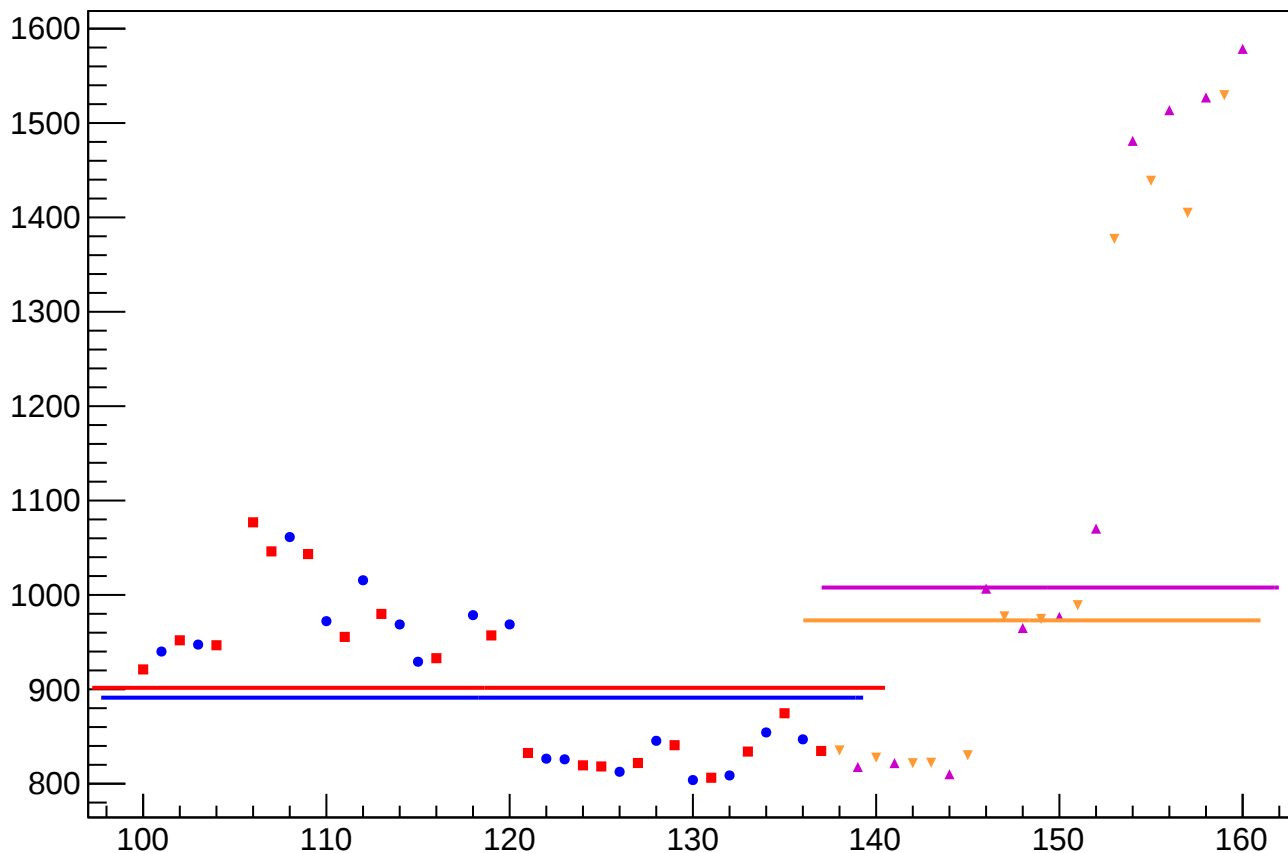
Right Out: -5.663 ± 0.338 $\chi^2/\text{NDF}: 300.1/18$

Left In: 6.717 ± 0.349 $\chi^2/\text{NDF}: 515.3/10$

3.978 ± 0.240 $\chi^2/\text{NDF}: 1159.3/28$

0.342 ± 0.243 $\chi^2/\text{NDF}: 1464.4/29$

diff_bpm2i01X_rms vs Slug



Right In: 891.149 $\pm$ 0.244 χ^2 /NDF: 101659.1/16

Left Out: 973.043 $\pm$ 0.236 χ^2 /NDF:864897.3/11

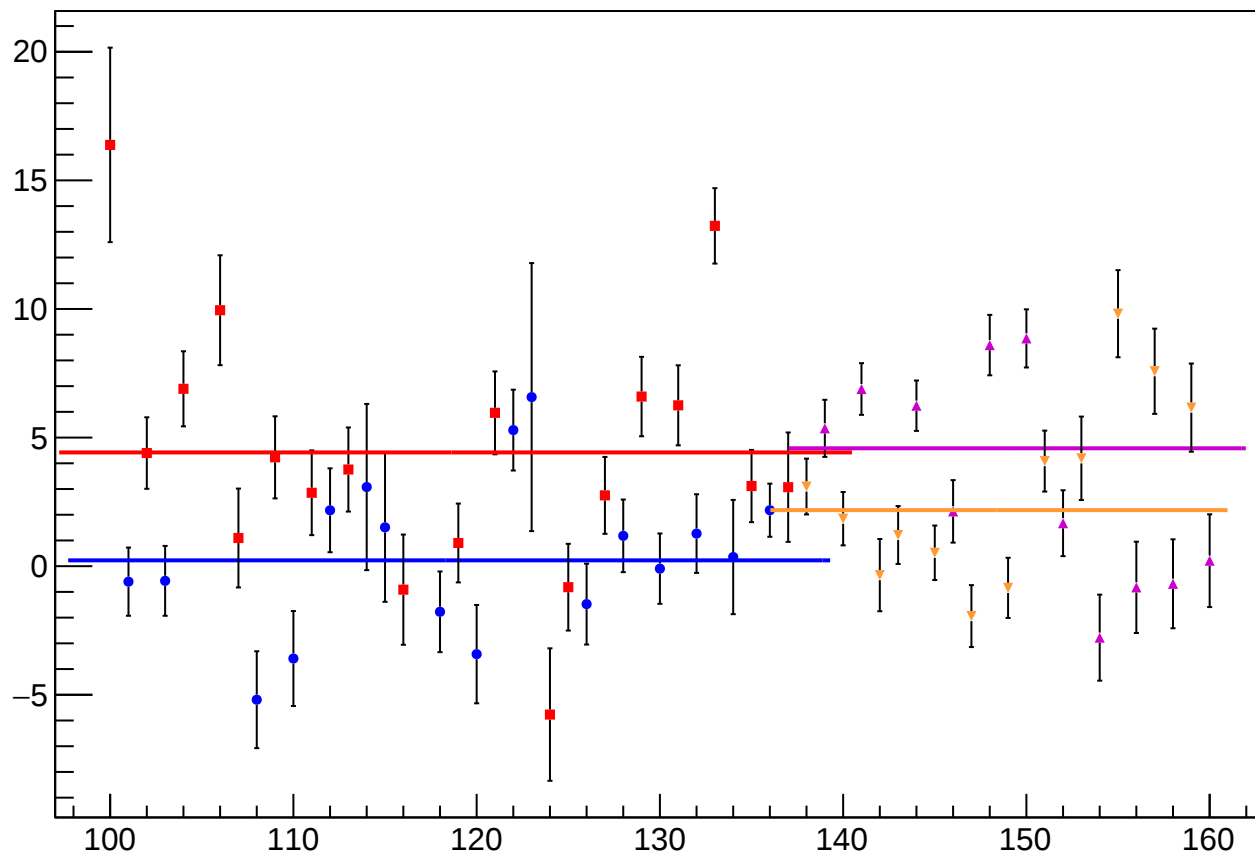
Right Out: 901.588 $\pm$ 0.239 χ^2 /NDF: 114590.8/18

Left In: 1007.843 $\pm$ 0.247 χ^2 /NDF:1006735.9/10

933.331 $\pm$ 0.170 χ^2 /NDF: 1024771.1/28

953.131 $\pm$ 0.172 χ^2 /NDF: 1216940.9/29

diff_bpm2i01Y_mean vs Slug



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

Left Out: 2.179 ± 0.364 χ^2/NDF : 66.1/11

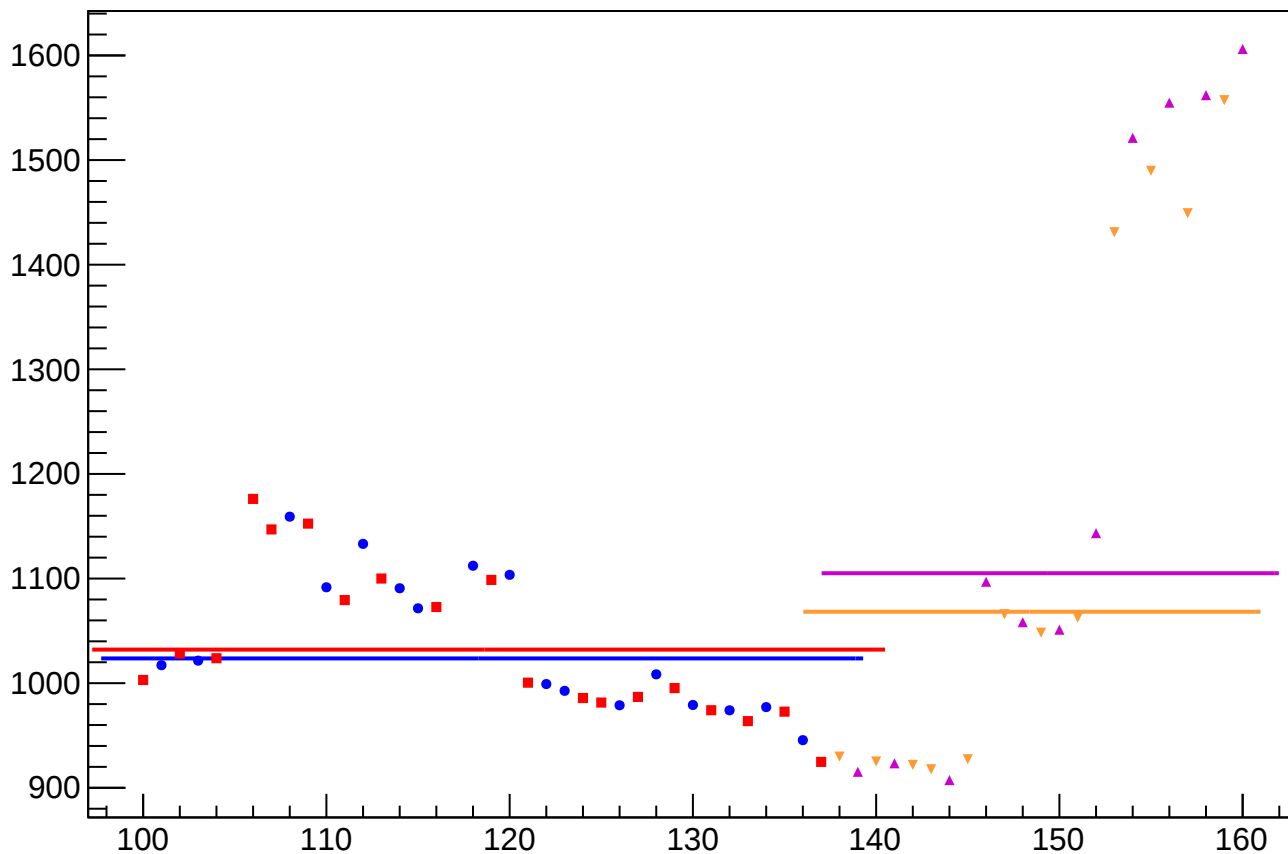
Right Out: 4.423 ± 0.387 χ^2/NDF : 103.3/18

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

1.282 ± 0.268 χ^2/NDF : 117.8/28

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: 1068.281+/-0.258 χ^2/NDF : 656495.3/11

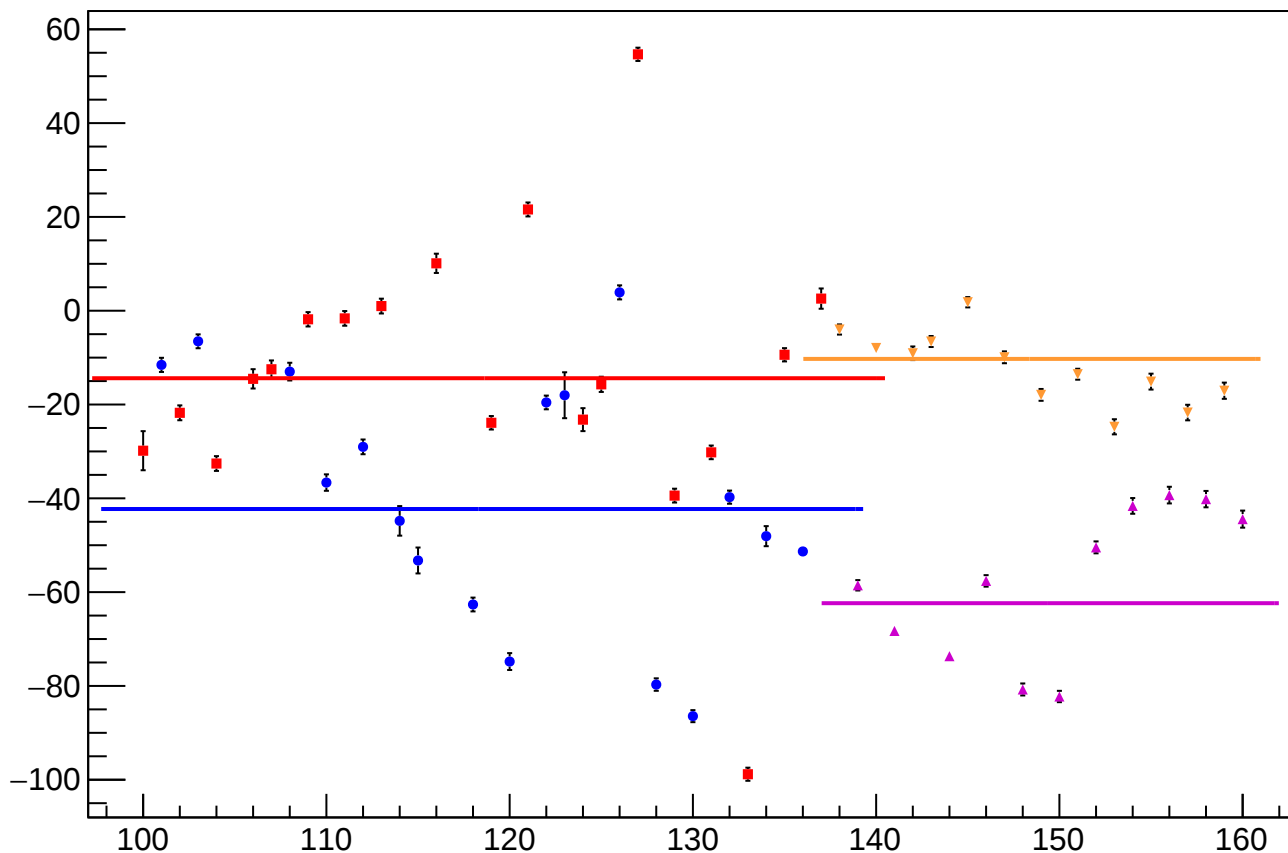
Right Out: 1032.107+/-0.273 χ^2/NDF : 59391.6/18

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

1047.764+/-0.189 χ^2/NDF : 722661.9/28

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

diff_bpm2i02X_mean vs Slug



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

Left Out: -10.273 ± 0.373 $\chi^2/\text{NDF}: 366.3/11$

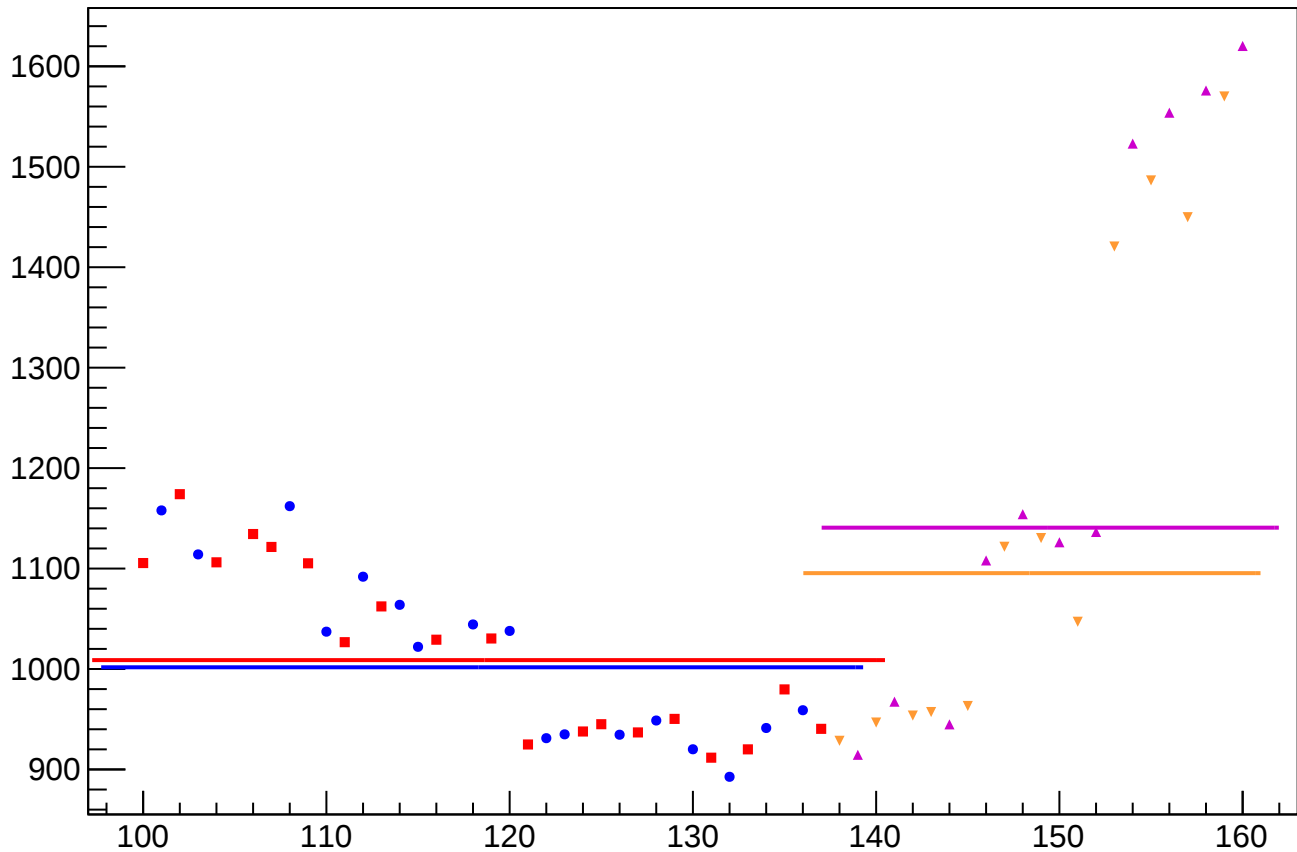
Right Out: -14.393 ± 0.378 $\chi^2/\text{NDF}: 7669.8/18$

Left In: -62.358 ± 0.391 $\chi^2/\text{NDF}: 1324.6/10$

-25.685 ± 0.269 $\chi^2/\text{NDF}: 9036.8/28$

-37.614 ± 0.272 $\chi^2/\text{NDF}: 16770.5/29$

diff_bpm2i02X_rms vs Slug



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

Left Out: 1095.432+/-0.264 χ^2/NDF : 598152.3/11

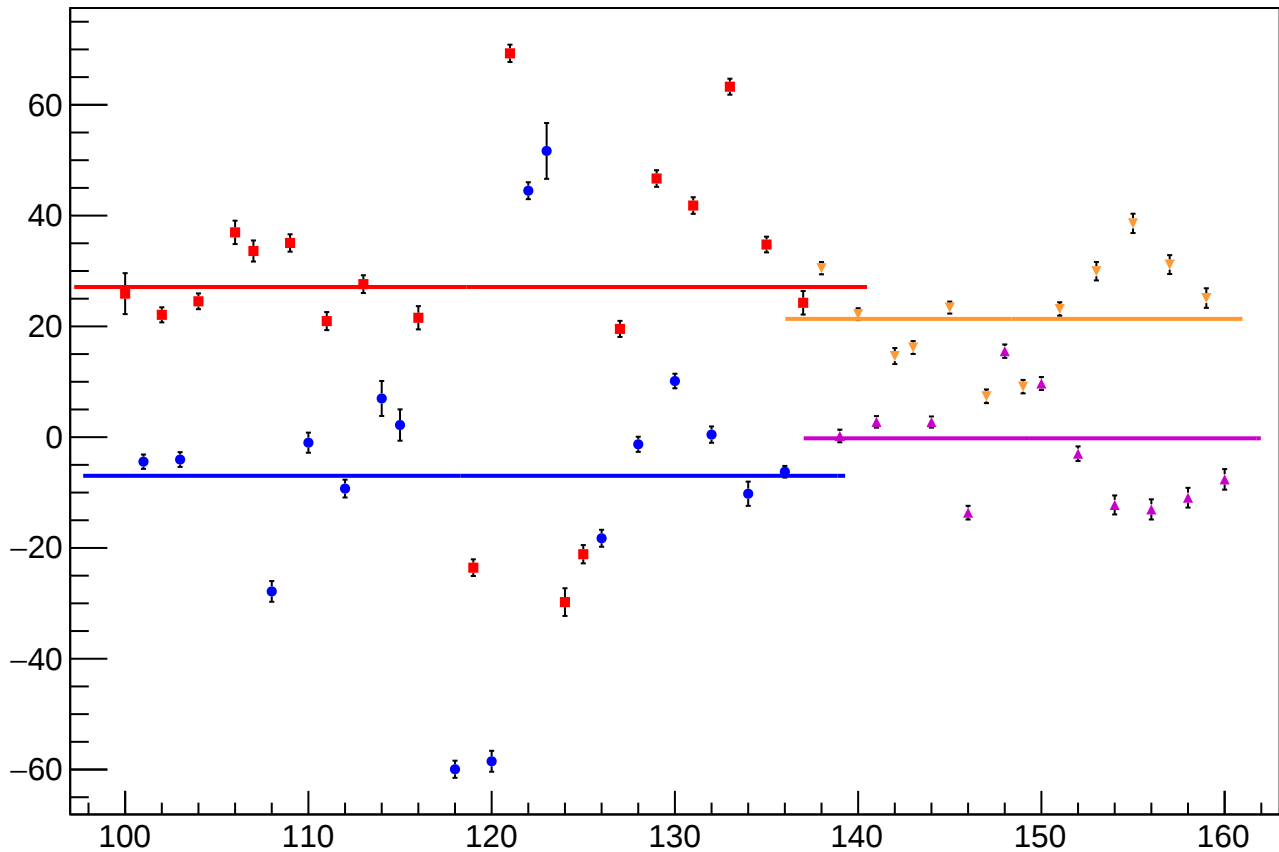
Right Out: 1008.848+/-0.268 χ^2/NDF : 95349.9/18

Left In: 1140.709+/-0.276 χ^2/NDF : 688617.9/10

1050.297+/-0.190 χ^2/NDF : 754409.8/28

1072.685+/-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: 21.353 ± 0.375 χ^2/NDF : 507.4/11

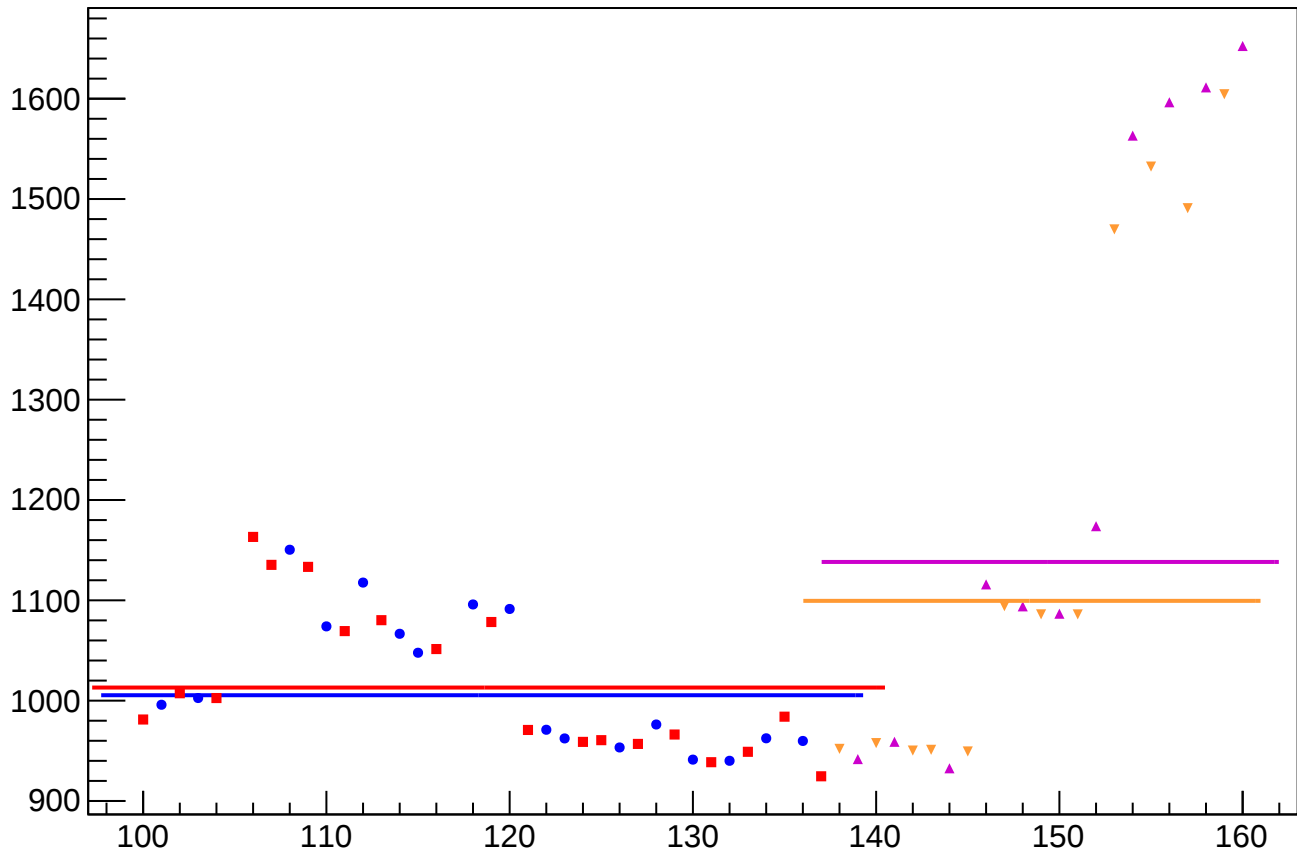
Right Out: 27.116 ± 0.380 χ^2/NDF : 4283.5/18

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

7.673 ± 0.270 χ^2/NDF : 6901.0/28

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: 1099.477+/-0.265 χ^2/NDF : 654032.8/11

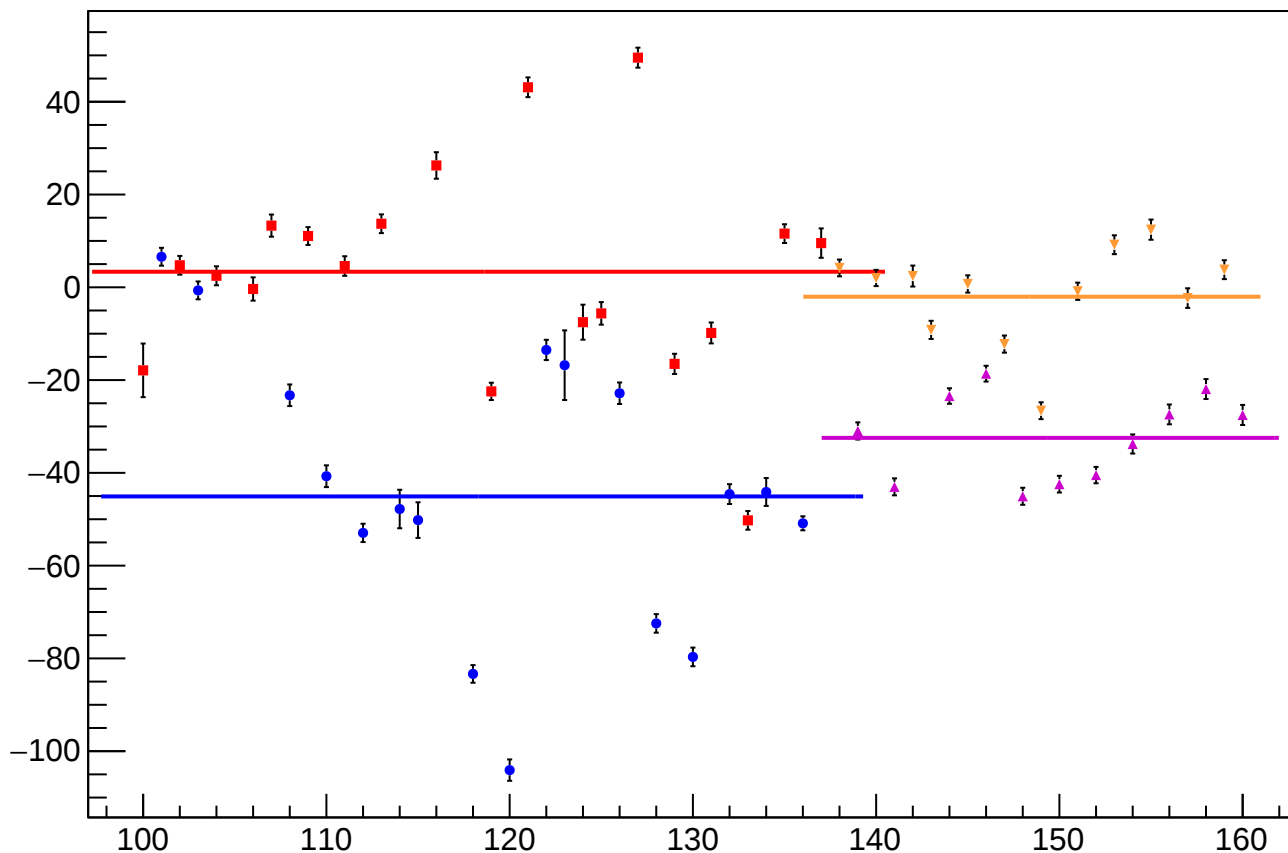
Right Out: 1013.064+/-0.268 χ^2/NDF : 63265.7/18

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

1054.049+/-0.191 χ^2/NDF : 769418.6/28

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

diff_bpm0i02X_mean vs Slug



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

Left Out: -2.029 $\pm$ 0.561 χ^2 /NDF:333.8/11

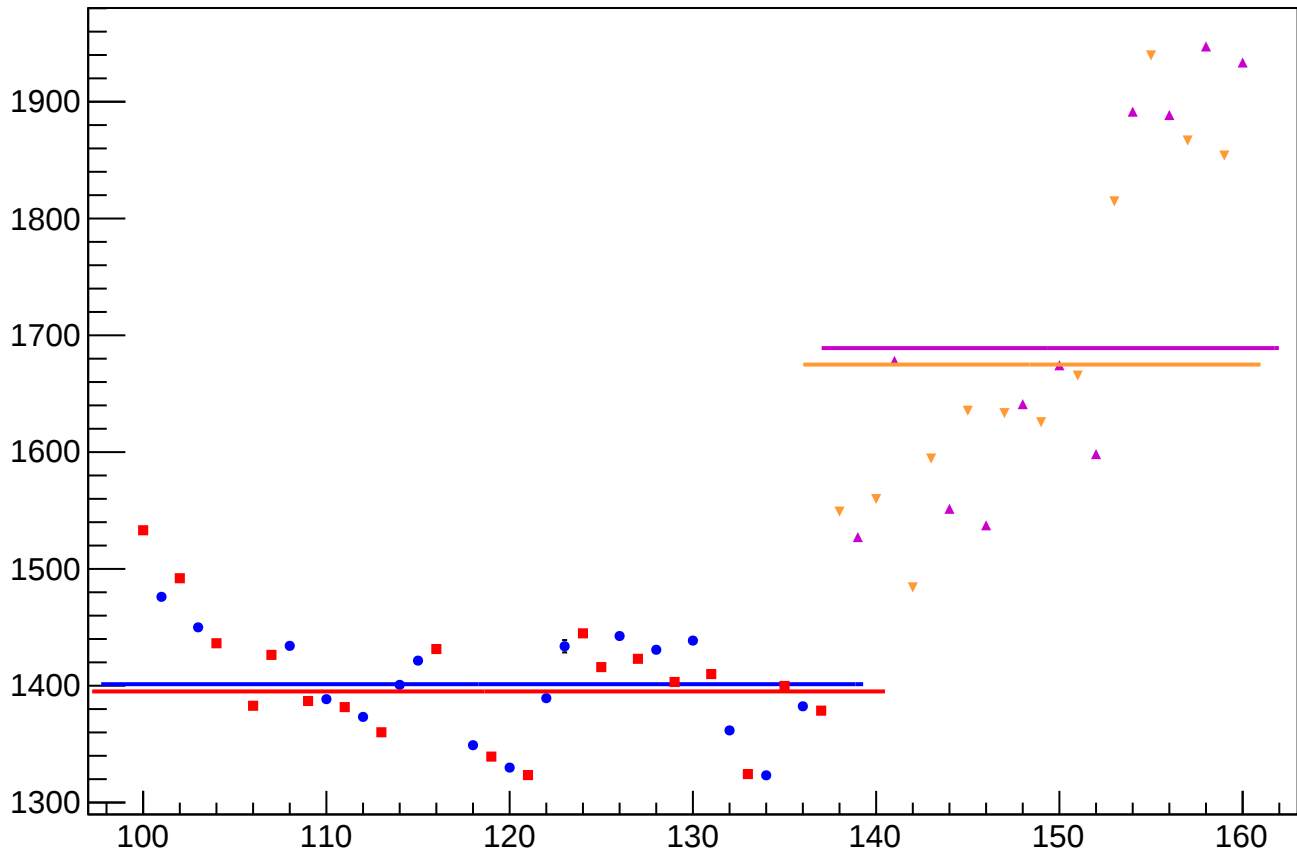
Right Out: 3.358 $\pm$ 0.522 χ^2 /NDF: 2005.7/18

Left In: -32.459 $\pm$ 0.568 χ^2 /NDF:262.6/10

-24.374 $\pm$ 0.389 χ^2 /NDF: 6632.5/28

-13.042 $\pm$ 0.384 χ^2 /NDF: 4425.4/29

diff_bpm0i02X_rms vs Slug



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

Left Out: 1674.964 ± 0.396 χ^2/NDF : 110441.1/11

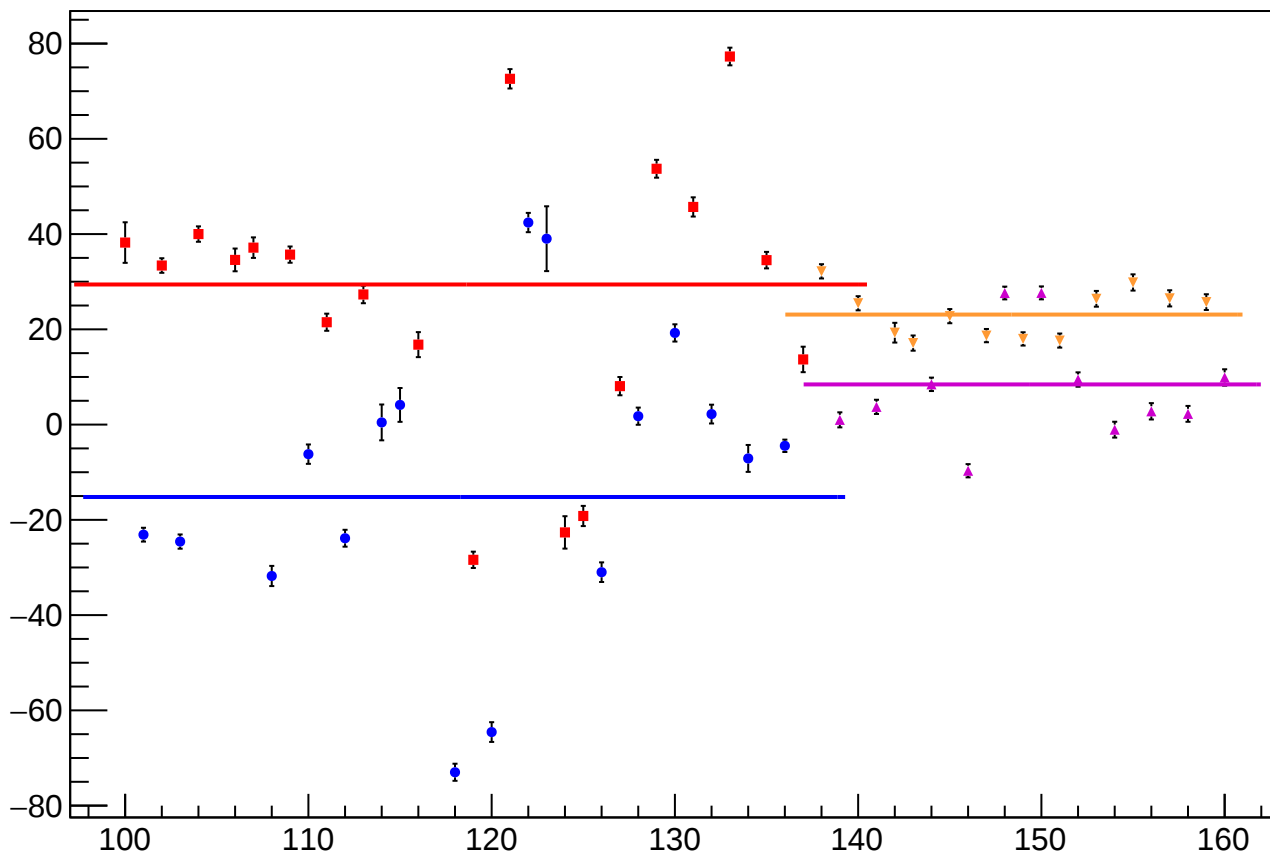
Right Out: 1395.105 ± 0.369 χ^2/NDF : 15520.0/18

Left In: 1689.064 ± 0.401 χ^2/NDF : 142664.7/10

1532.930 ± 0.275 χ^2/NDF : 370620.2/28

1529.700 ± 0.272 χ^2/NDF : 448797.3/29

diff_bpm0i02Y_mean vs Slug



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

Left Out: 23.102 ± 0.453 χ^2/NDF : 119.9/11

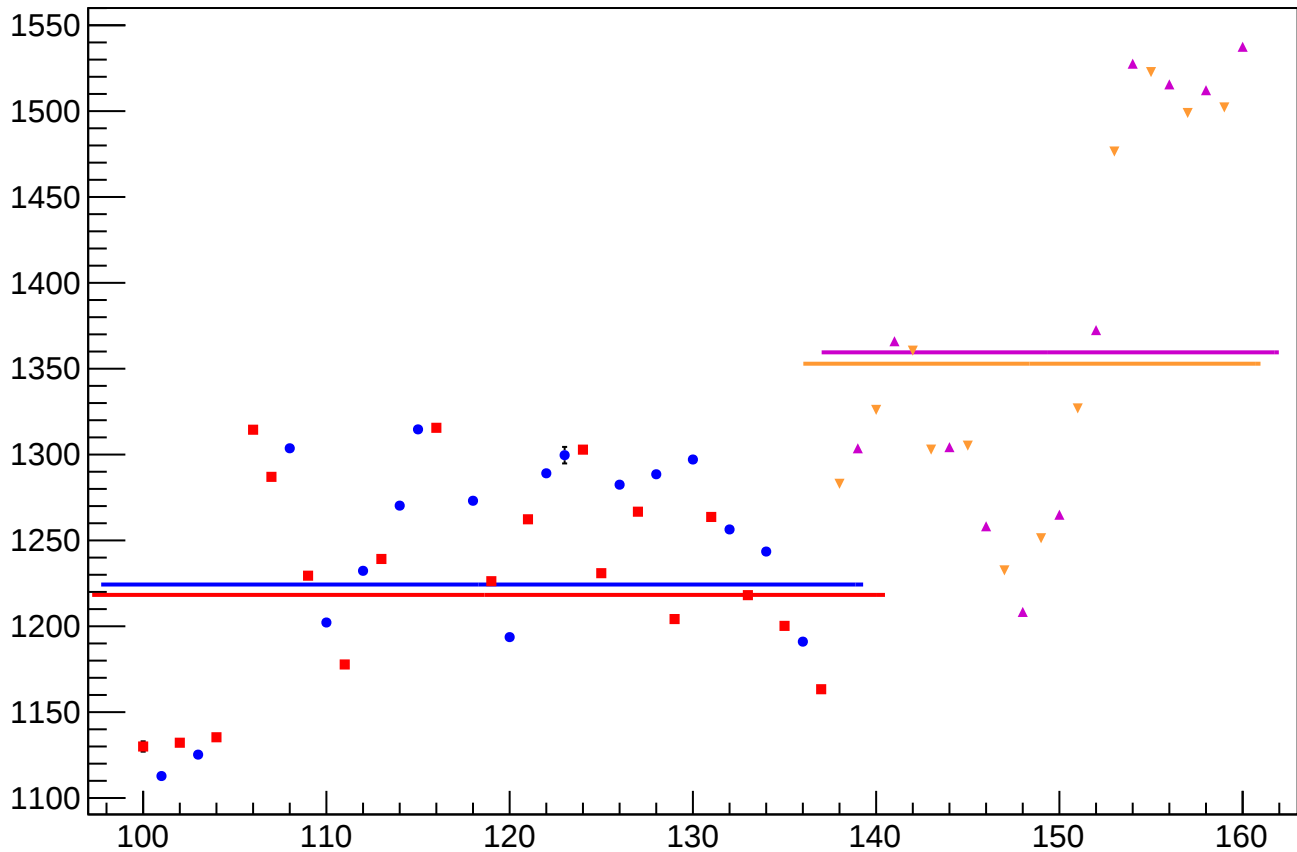
Right Out: 29.418 ± 0.456 χ^2/NDF : 3544.8/18

Left In: 8.434 ± 0.456 χ^2/NDF : 664.3/10

4.758 ± 0.327 χ^2/NDF : 6912.4/28

18.930 ± 0.323 χ^2/NDF : 5266.6/29

diff_bpm0i02Y_rms vs Slug



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

Left Out: 1352.910+/-0.320 χ^2/NDF : 97279.9/11

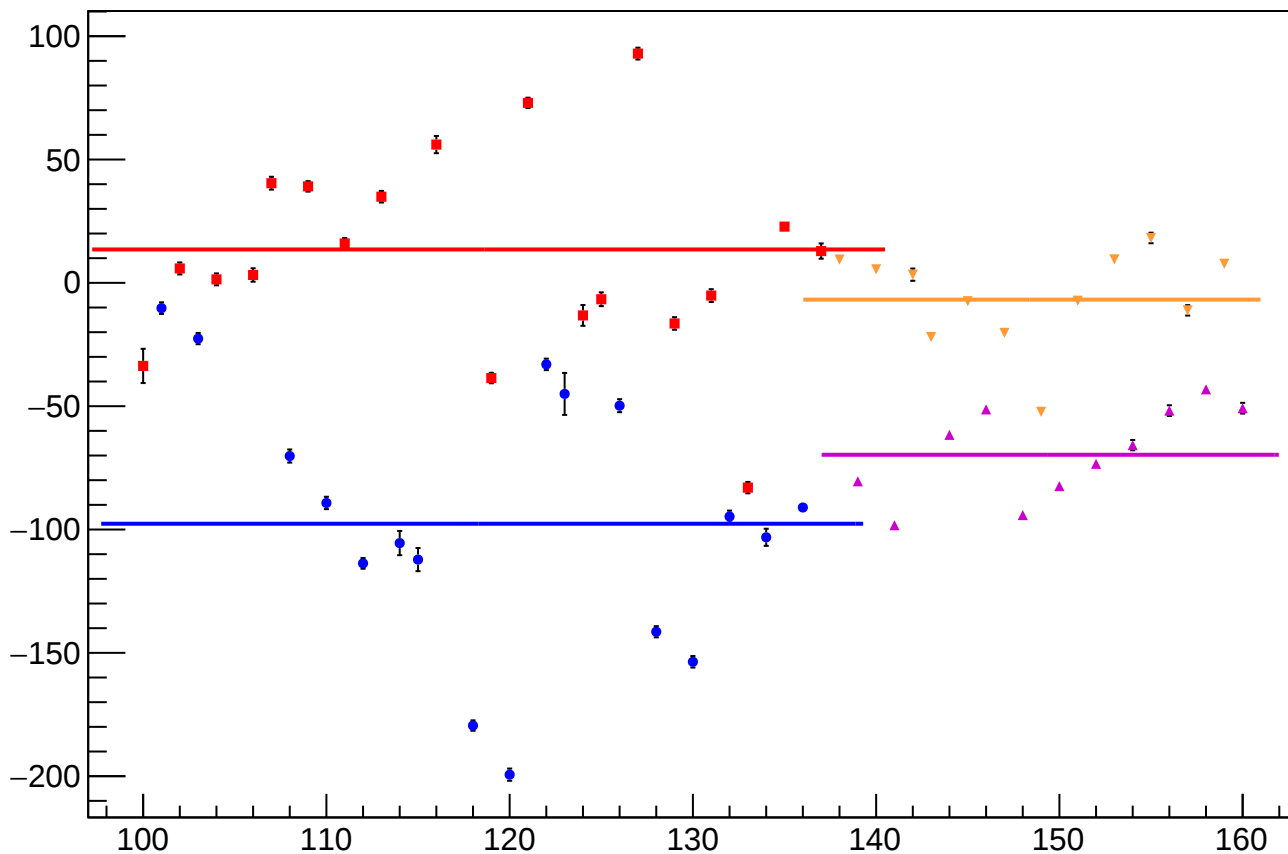
Right Out: 1218.276+/-0.323 χ^2/NDF : 27572.9/18

Left In: 1359.526+/-0.323 χ^2/NDF : 126556.1/10

1291.325+/-0.231 χ^2/NDF : 213370.3/28

1288.871+/-0.228 χ^2/NDF : 249958.8/29

diff_bpm0i02aX_mean vs Slug



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

Left Out: -6.794 $\pm$ 0.565 χ^2 /NDF: 1129.2/11

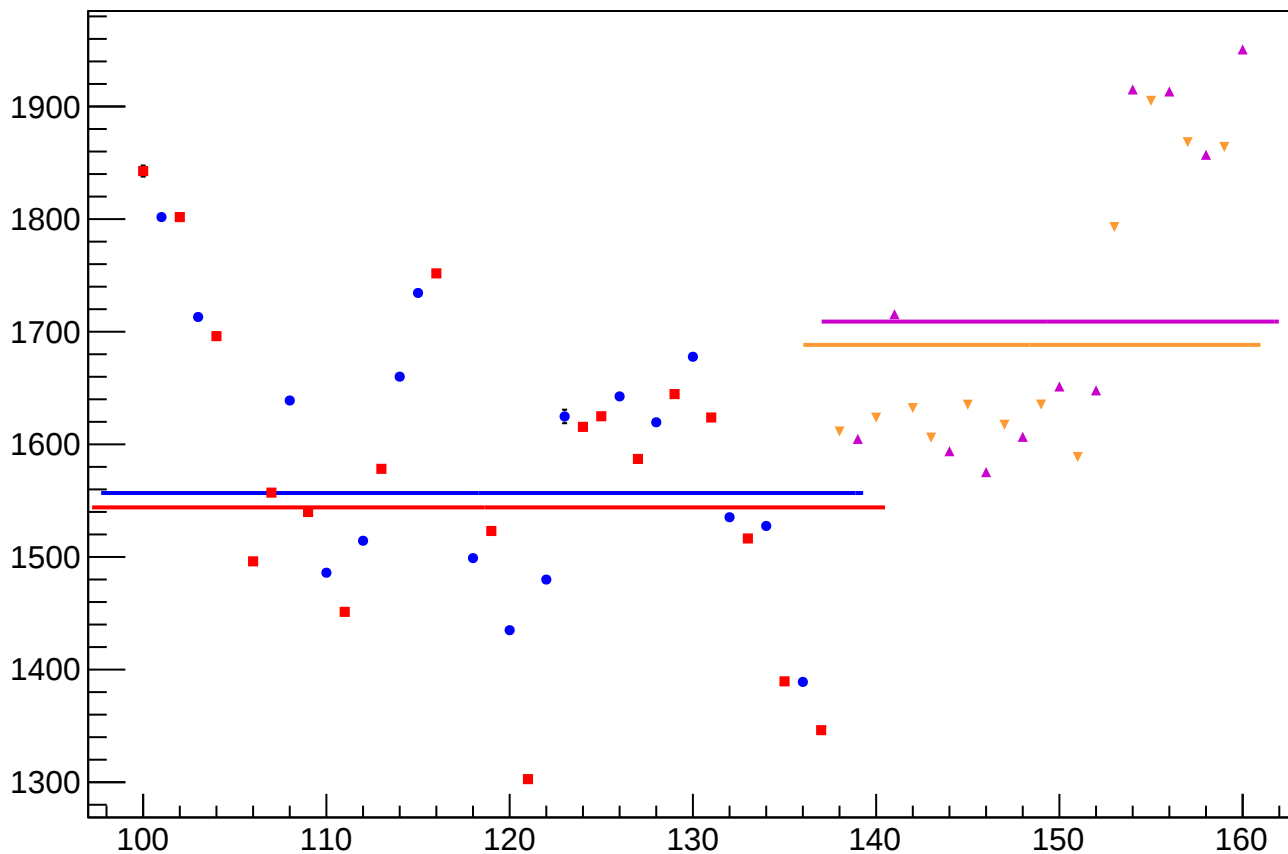
Right Out: 13.538 $\pm$ 0.579 χ^2 /NDF: 5128.2/18

Left In: -69.693 $\pm$ 0.574 χ^2 /NDF: 953.5/10

-49.383 $\pm$ 0.412 χ^2 /NDF: 21196.8/28

-28.495 $\pm$ 0.408 χ^2 /NDF: 16503.8/29

diff_bpm0i02aX_rms vs Slug



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

Left Out: 1688.310+/-0.399 χ^2/NDF : 78121.5/11

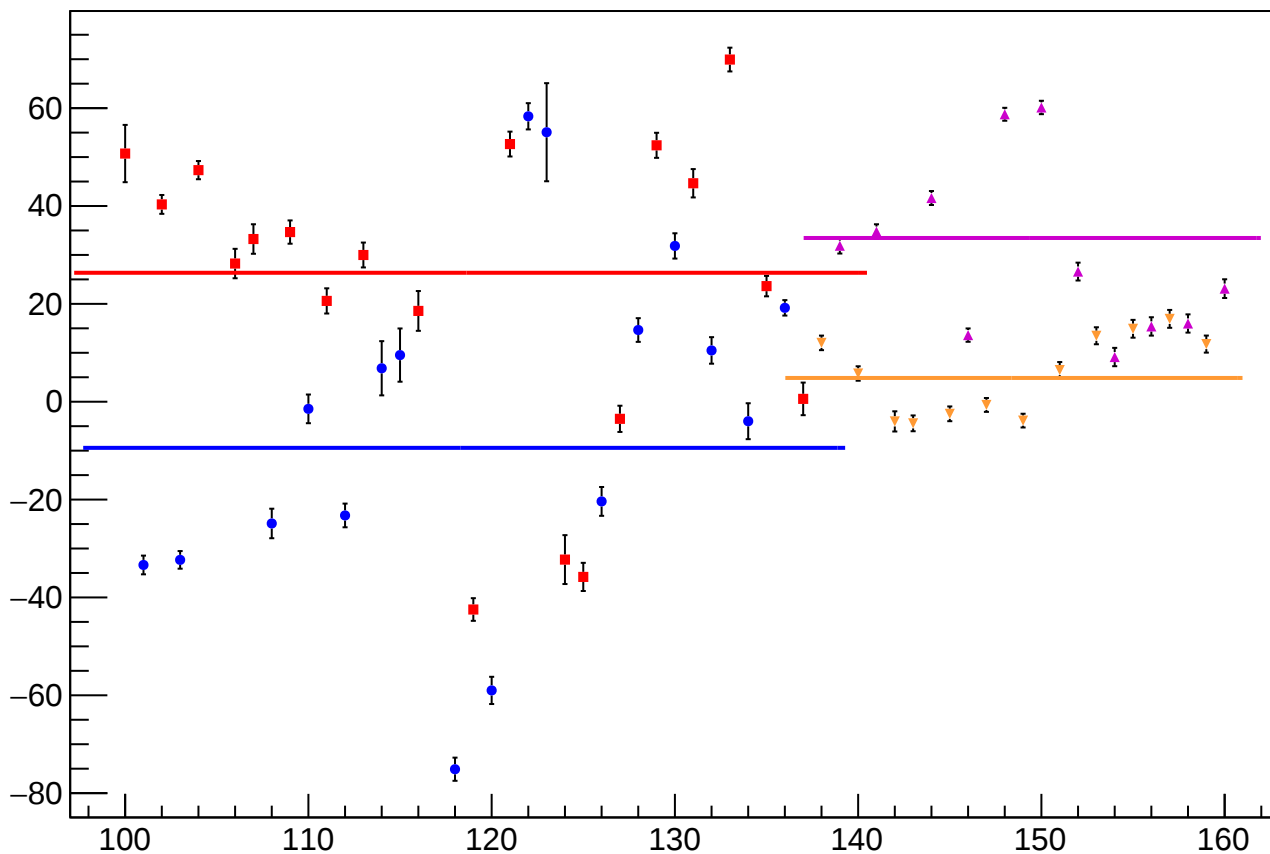
Right Out: 1544.034+/-0.410 χ^2/NDF : 100501.7/18

Left In: 1709.003+/-0.406 χ^2/NDF : 109676.1/10

1626.669+/-0.291 χ^2/NDF : 210495.0/28

1627.346+/-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: 4.857 ± 0.466 χ^2/NDF : 268.0/11

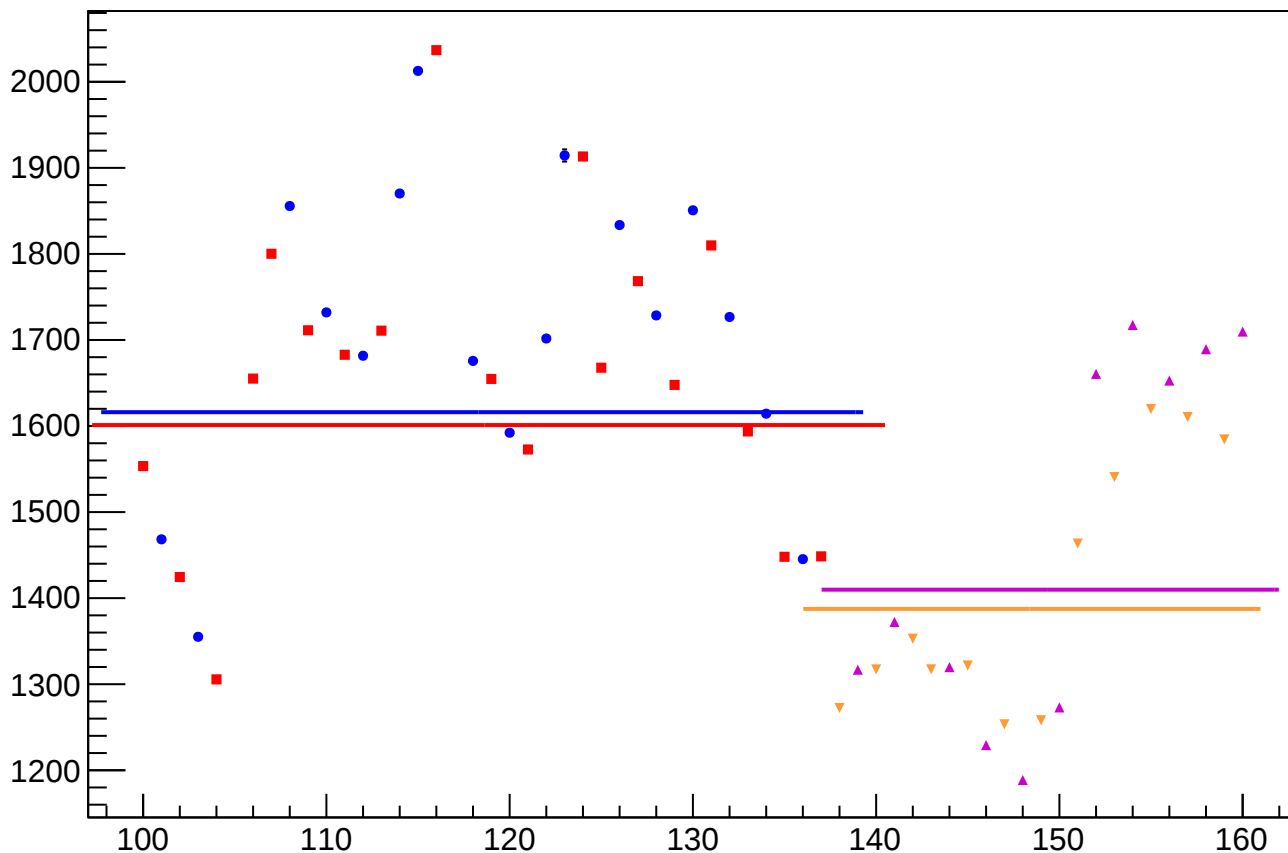
Right Out: 26.354 ± 0.603 χ^2/NDF : 2472.1/18

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

-0.228 ± 0.374 χ^2/NDF : 3526.9/28

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: 1387.505+/-0.329 χ^2/NDF : 167270.2/11

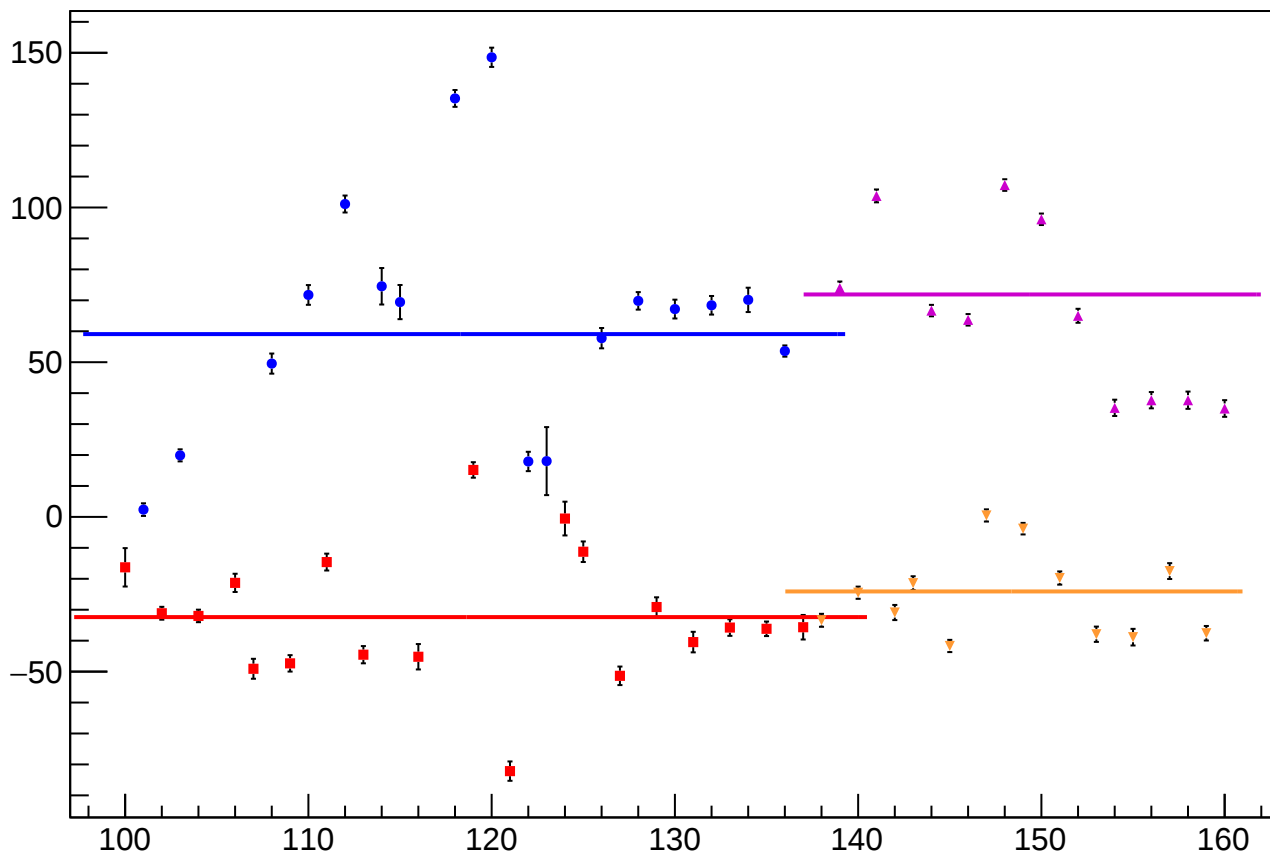
Right Out: 1601.134+/-0.426 χ^2/NDF : 153651.5/18

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

1468.881+/-0.264 χ^2/NDF : 488360.7/28

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: -24.092 $\pm$ 0.632 χ^2 /NDF: 487.1/11

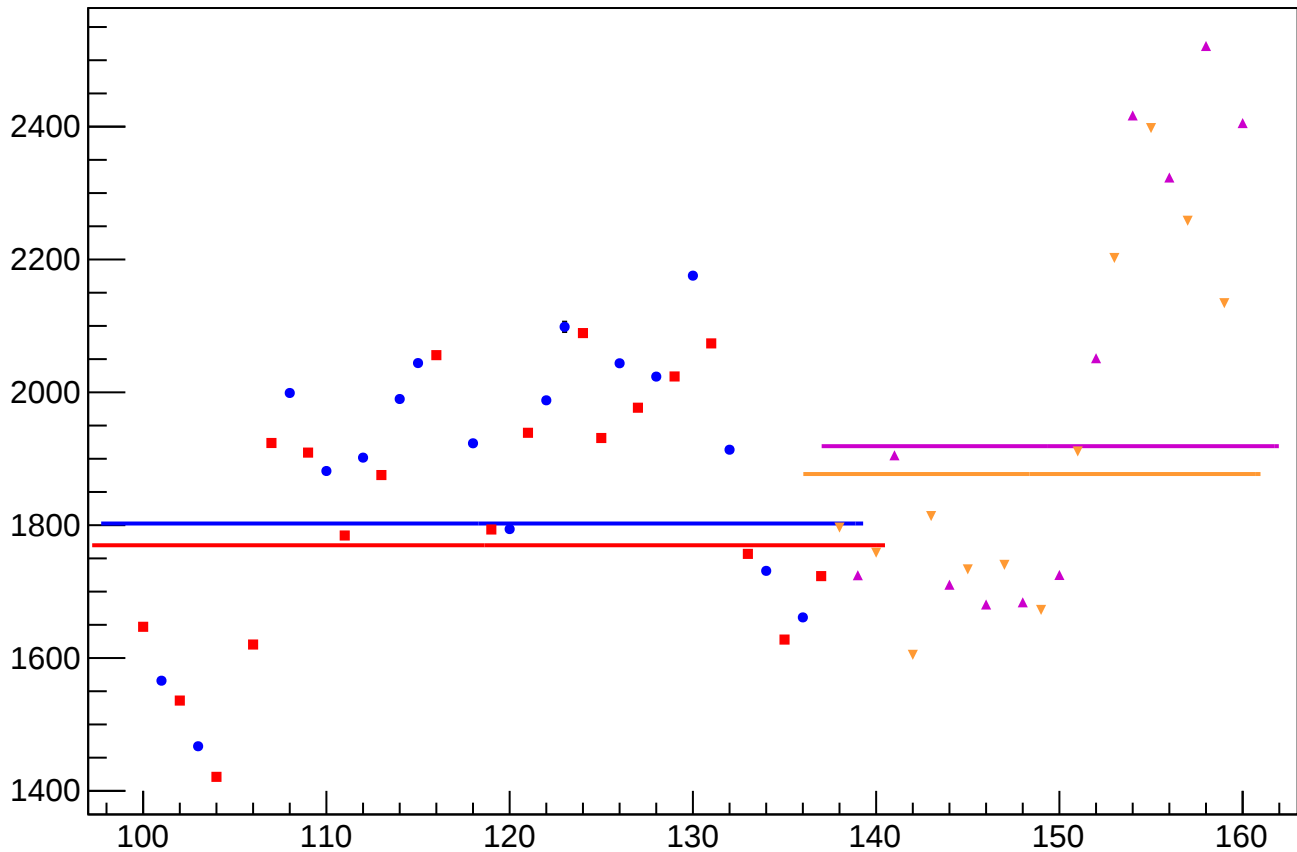
Right Out: -32.382 $\pm$ 0.666 χ^2 /NDF: 891.5/18

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

13.269 $\pm$ 0.469 χ^2 /NDF: 11569.0/28

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: 1877.029+/-0.447 χ^2/NDF : 259188.8/11

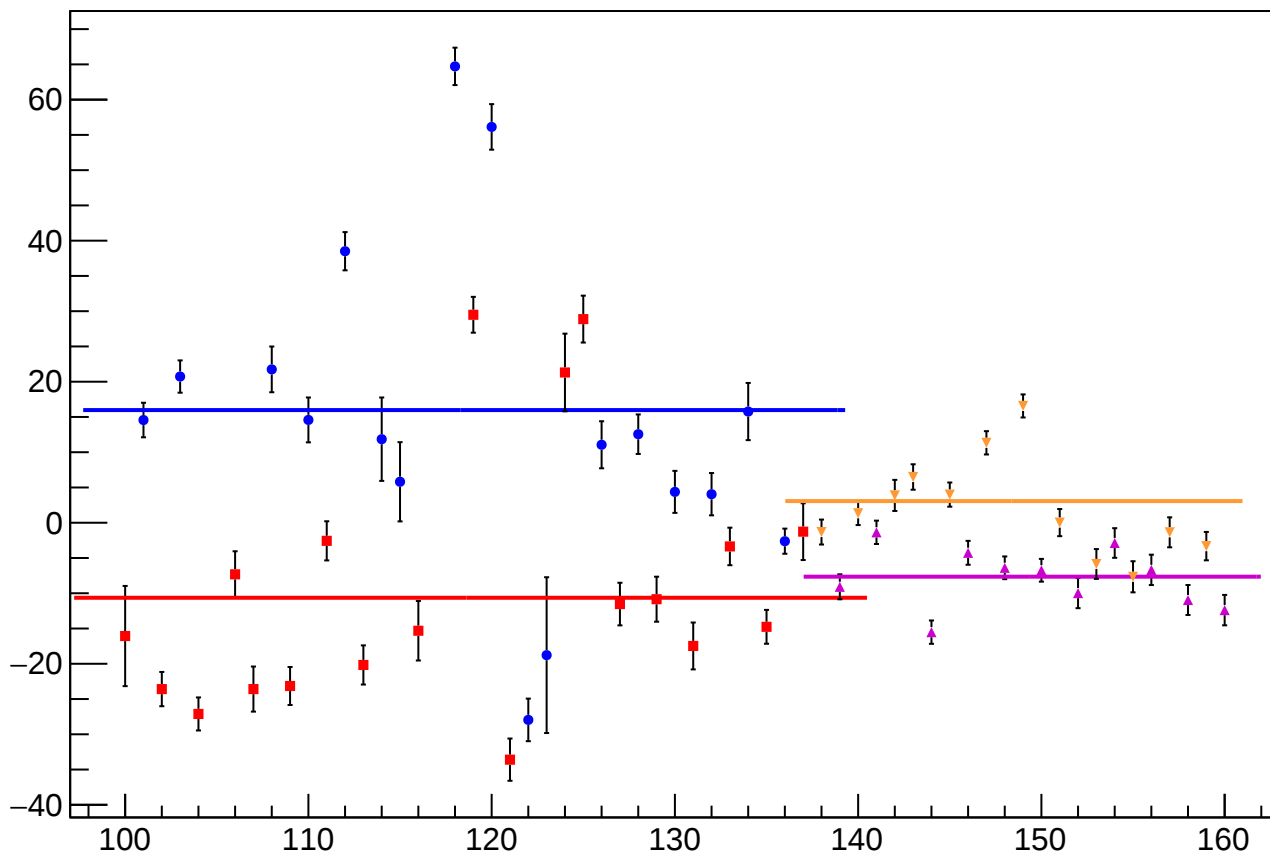
Right Out: 1769.772+/-0.471 χ^2/NDF : 177893.4/18

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

1843.561+/-0.331 χ^2/NDF : 455756.9/28

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

diff_bpm0i05Y_mean vs Slug



Right In: 15.976 $\pm$ 0.722 χ^2 /NDF: 938.4/16

Left Out: 3.072 $\pm$ 0.539 χ^2 /NDF: 162.7/11

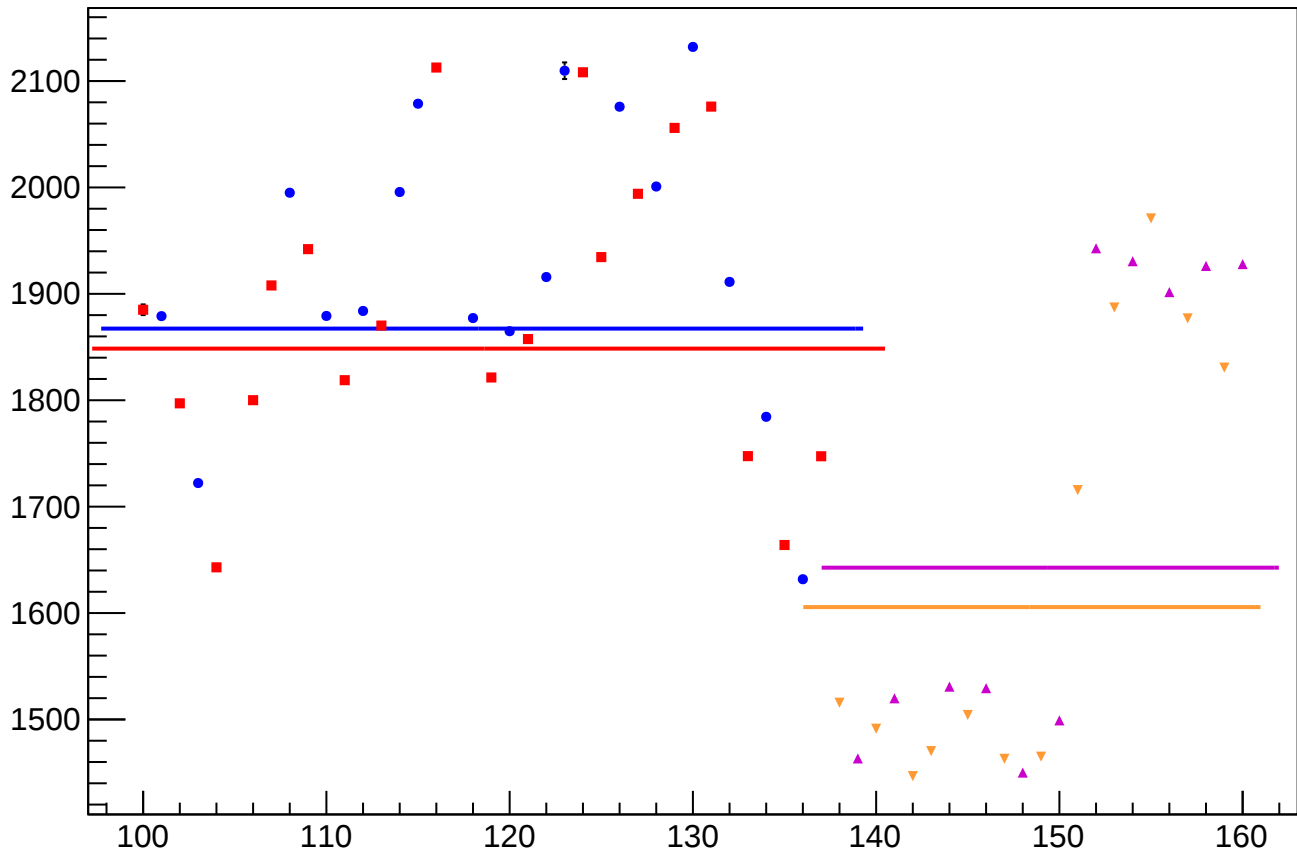
Right Out: -10.638 $\pm$ 0.693 χ^2 /NDF: 642.1/18

Left In: -7.647 $\pm$ 0.554 χ^2 /NDF: 56.4/10

7.697 $\pm$ 0.432 χ^2 /NDF: 1306.2/28

-8.811 $\pm$ 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: 1605.586+/-0.381 χ^2/NDF : 227140.2/11

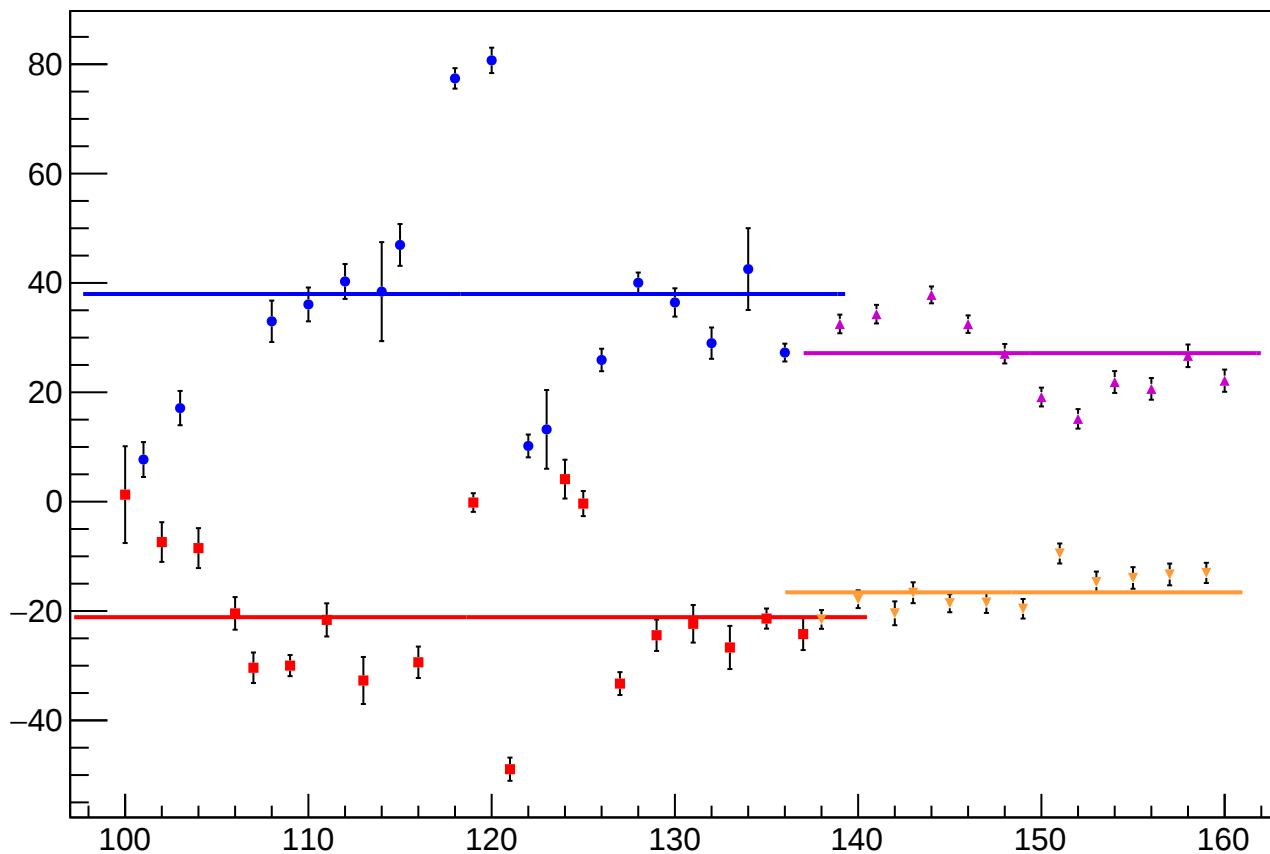
Right Out: 1848.532+/-0.490 χ^2/NDF : 72527.3/18

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

1699.412+/-0.305 χ^2/NDF : 476892.1/28

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

diff_bpm0i07X_mean vs Slug



Right In: 37.979 ± 0.637 χ^2/NDF : 1204.3/16

Left Out: -16.581 ± 0.532 χ^2/NDF : 41.5/11

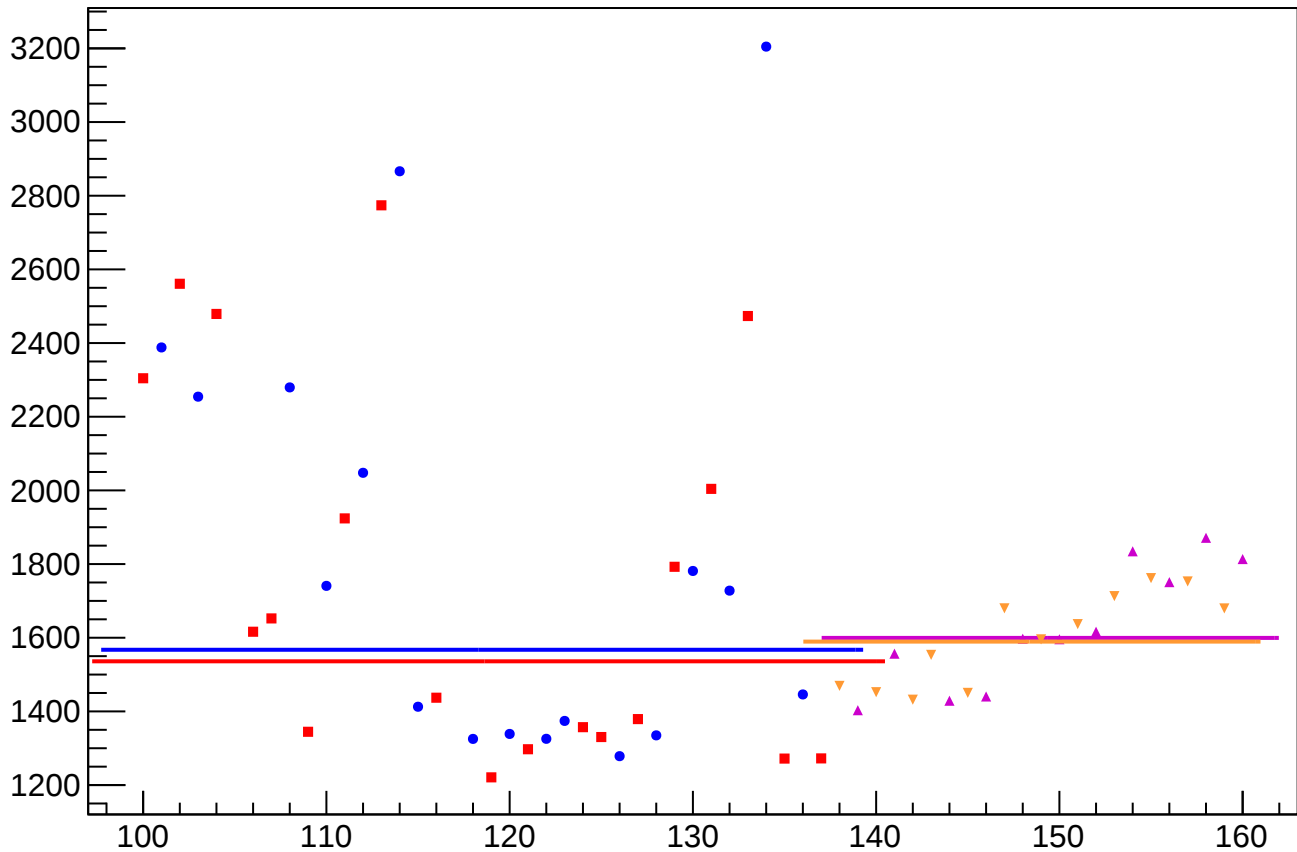
Right Out: -21.124 ± 0.608 χ^2/NDF : 573.6/18

Left In: 27.163 ± 0.538 χ^2/NDF : 177.4/10

5.847 ± 0.409 χ^2/NDF : 5561.2/28

5.957 ± 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: 1589.499+/-0.377 χ^2 /NDF: 96955.6/11

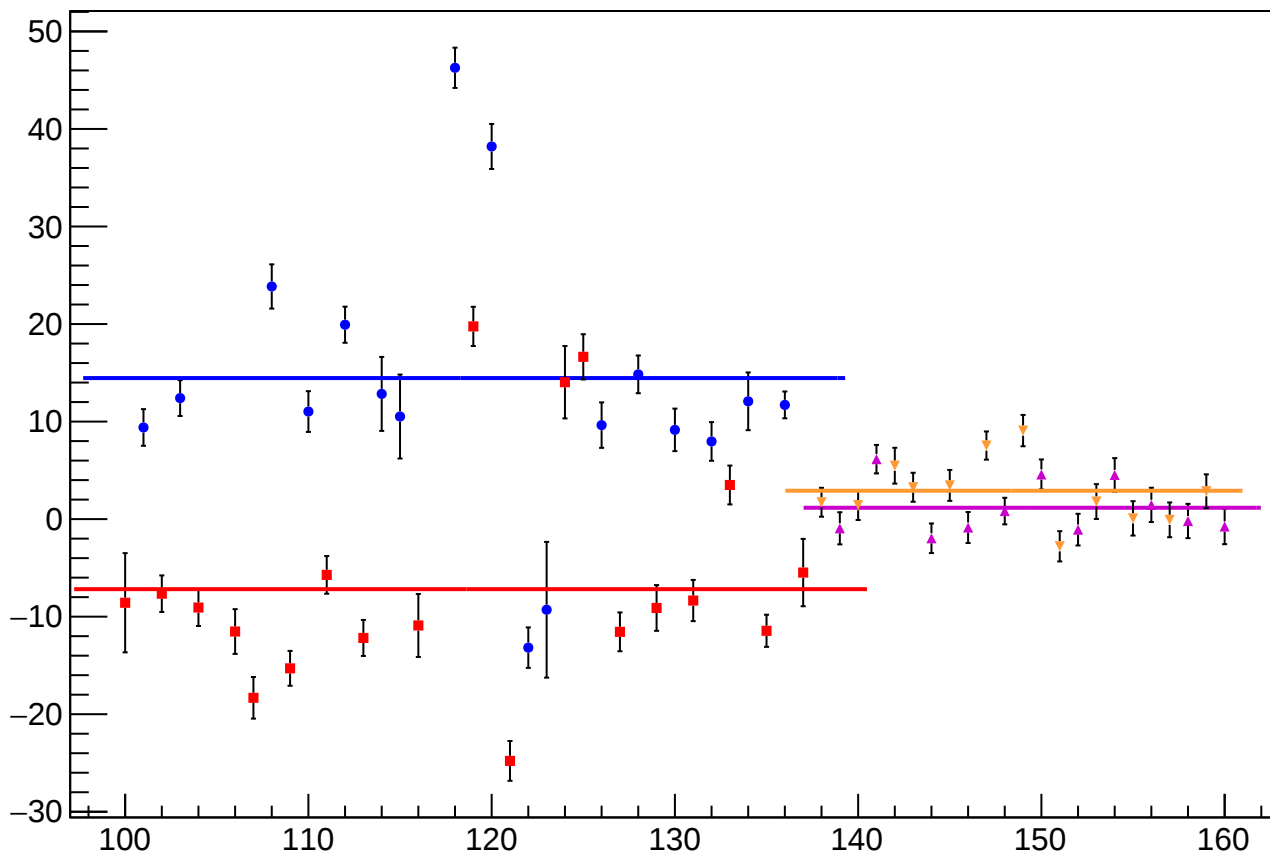
Right Out: 1535.967+/-0.430 χ^2 /NDF: 882098.2/18

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

1580.385+/-0.289 χ^2 /NDF: 771831.4/28

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: 2.909+/-0.466 χ^2/NDF : 48.0/11

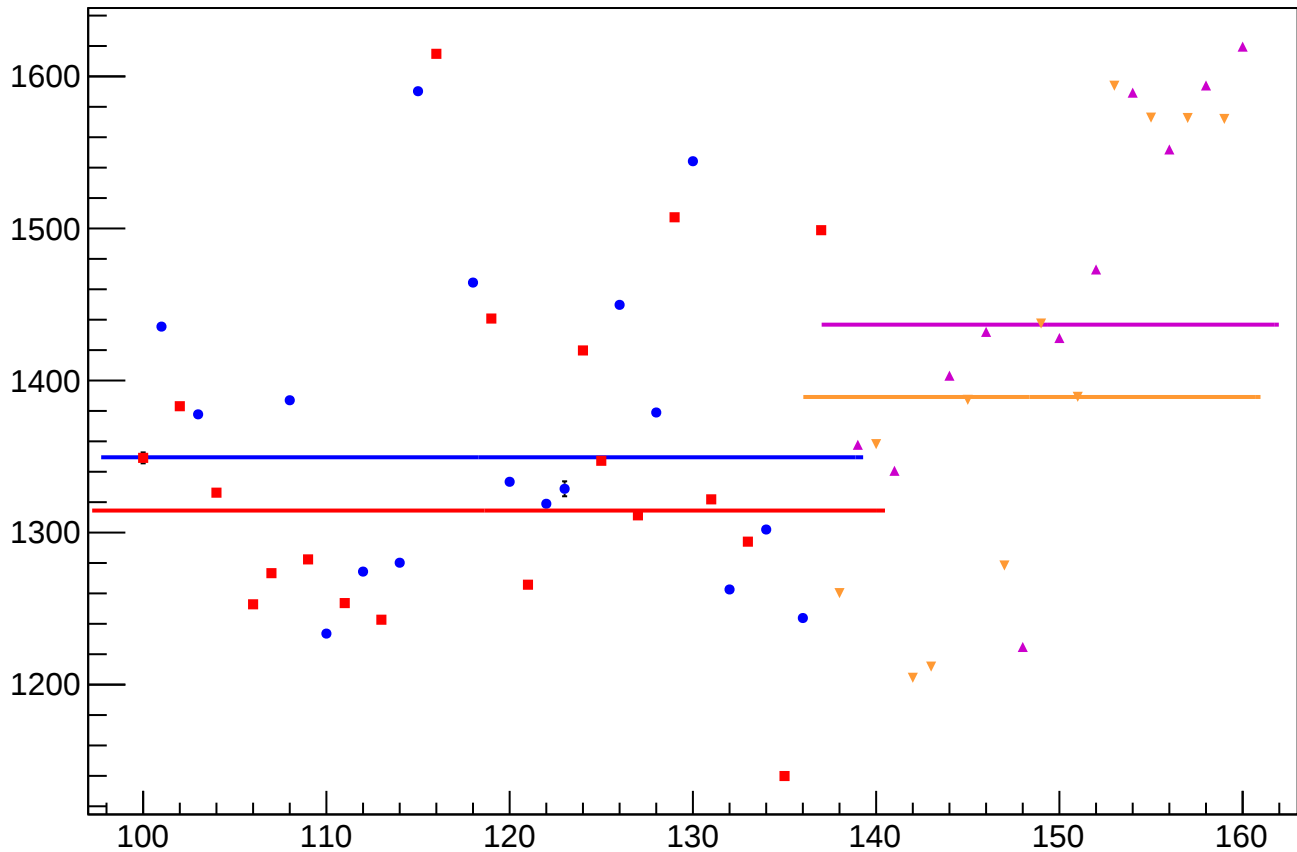
Right Out: -7.181+/-0.494 χ^2/NDF : 495.7/18

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

8.022+/-0.348 χ^2/NDF : 915.6/28

-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: 1389.174 ± 0.330 χ^2/NDF : 169757.5/11

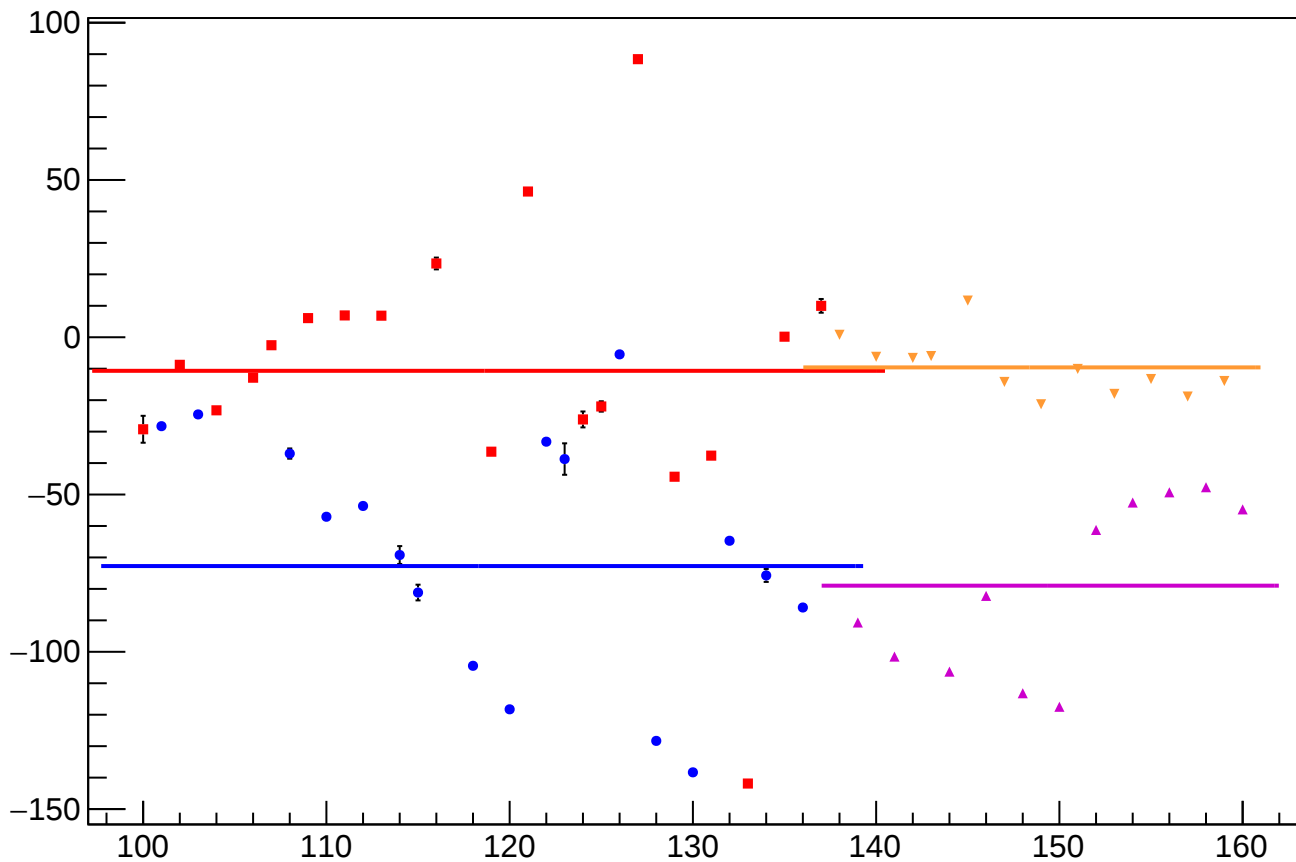
Right Out: 1314.485 ± 0.350 χ^2/NDF : 80952.7/18

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

1371.623 ± 0.246 χ^2/NDF : 240827.7/28

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: -9.584 ± 0.314 $\chi^2/\text{NDF}: 802.9/11$

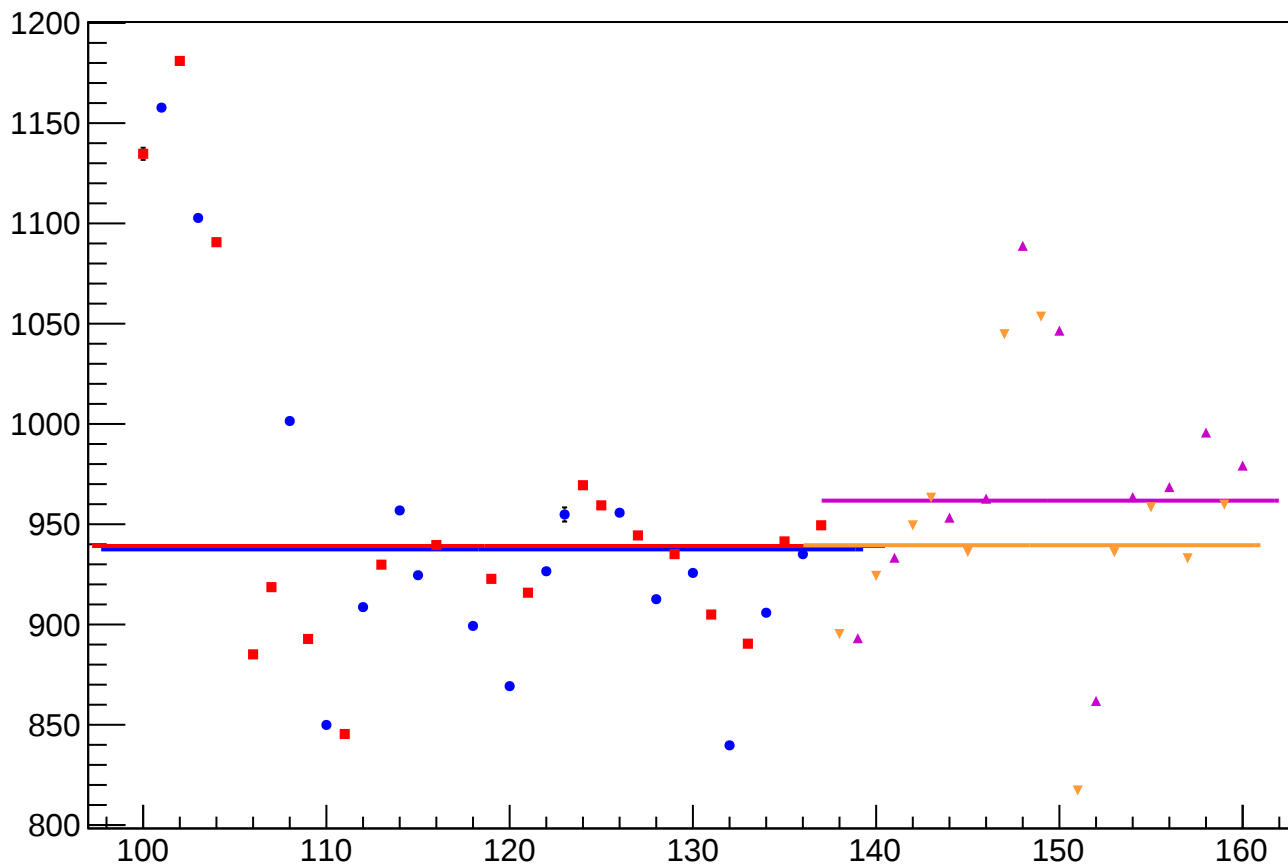
Right Out: -10.671 ± 0.352 $\chi^2/\text{NDF}: 18171.0/18$

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

-36.702 ± 0.237 $\chi^2/\text{NDF}: 29828.2/28$

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

diff_bpm1i02X_rms vs Slug



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

Left Out: 939.541 $\pm$ 0.222 χ^2 /NDF: 77078.8/11

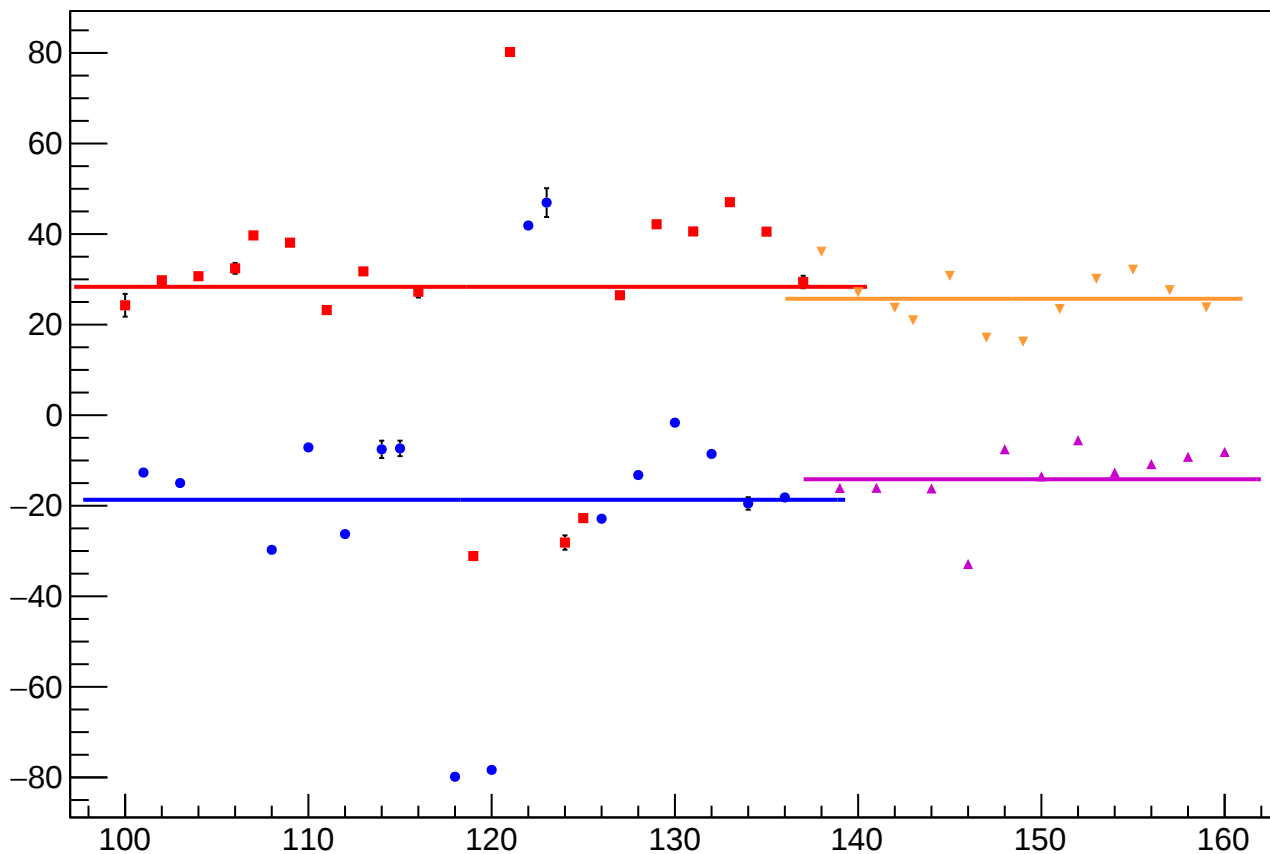
Right Out: 939.140 $\pm$ 0.249 χ^2 /NDF: 90253.2/18

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

938.645 $\pm$ 0.168 χ^2 /NDF: 175424.4/28

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: 25.708 ± 0.236 $\chi^2/\text{NDF}: 643.7/11$

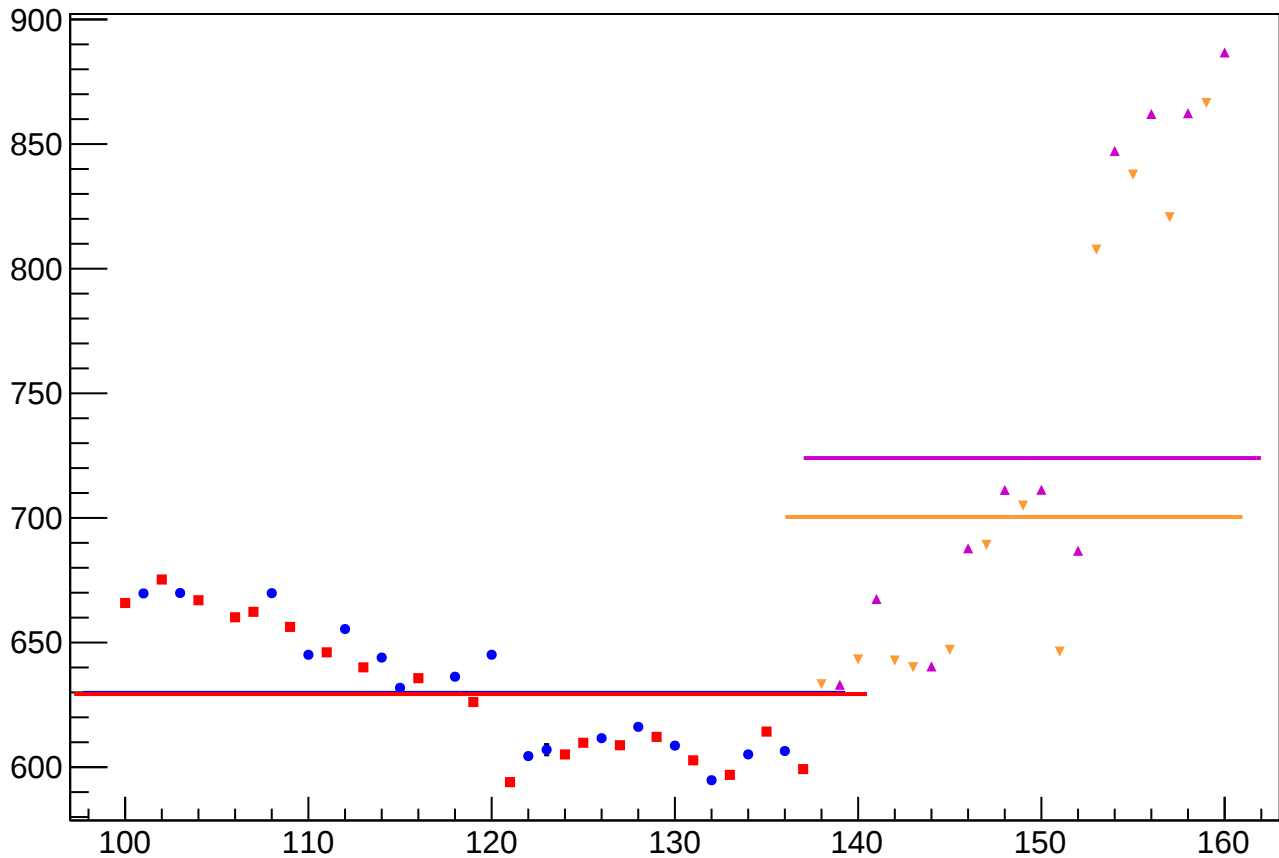
Right Out: 28.347 ± 0.235 $\chi^2/\text{NDF}: 12508.1/18$

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

4.176 ± 0.169 $\chi^2/\text{NDF}: 30883.1/28$

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: 700.388 ± 0.167 χ^2/NDF : 233954.5/11

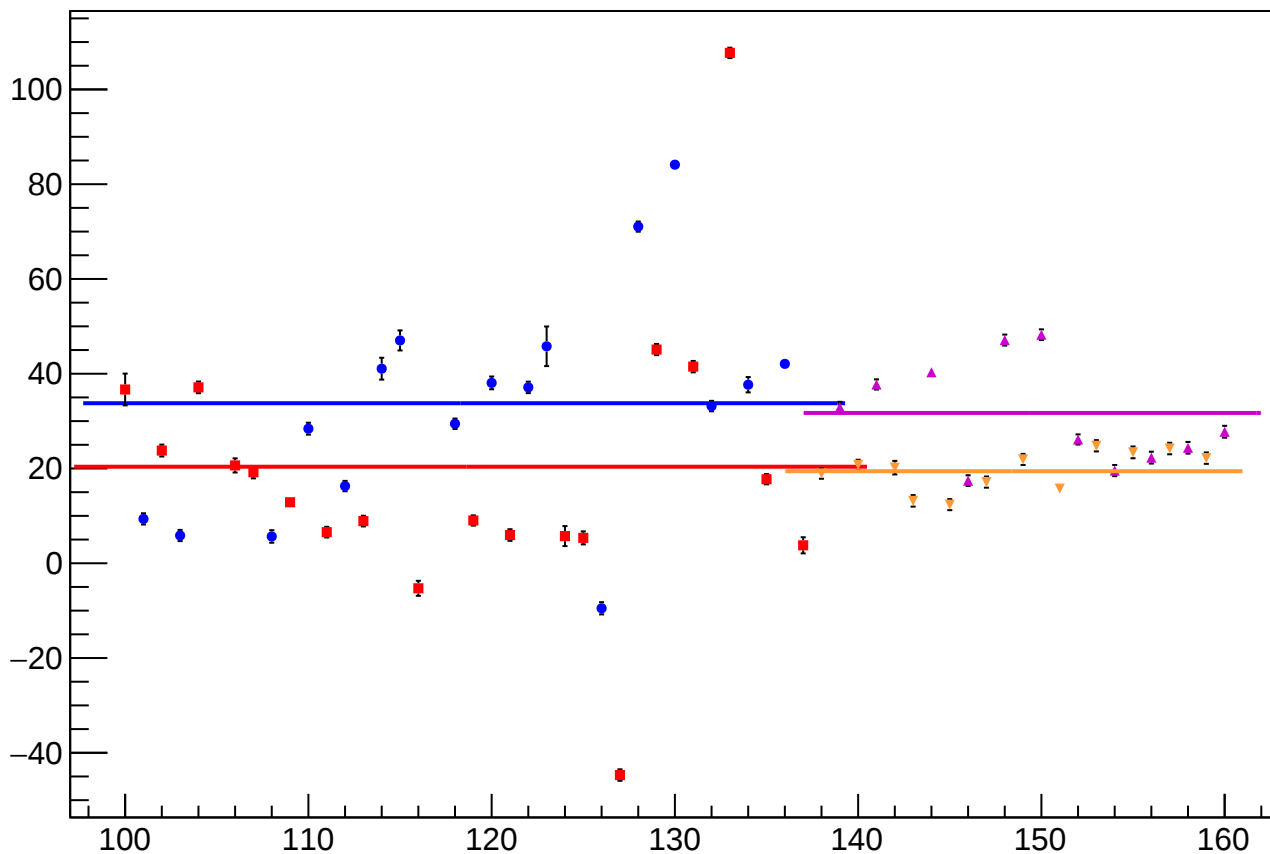
Right Out: 629.340 ± 0.166 χ^2/NDF : 25538.5/18

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

666.156 ± 0.120 χ^2/NDF : 344364.9/28

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: 19.424 ± 0.341 χ^2/NDF : 137.0/11

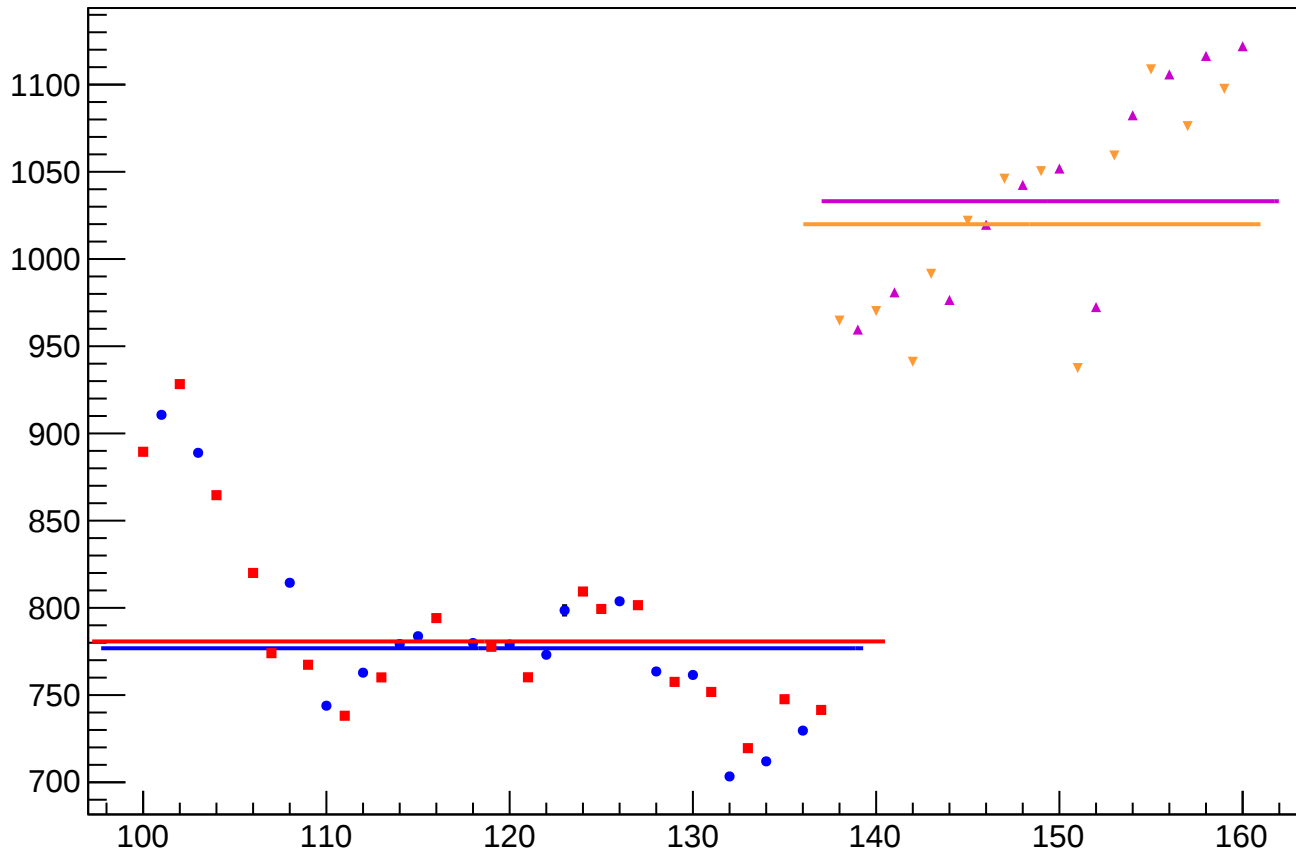
Right Out: 20.375 ± 0.293 χ^2/NDF : 11287.7/18

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

27.514 ± 0.225 χ^2/NDF : 7623.5/28

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: 1019.945 $\pm$ 0.241 χ^2 /NDF: 55809.5/11

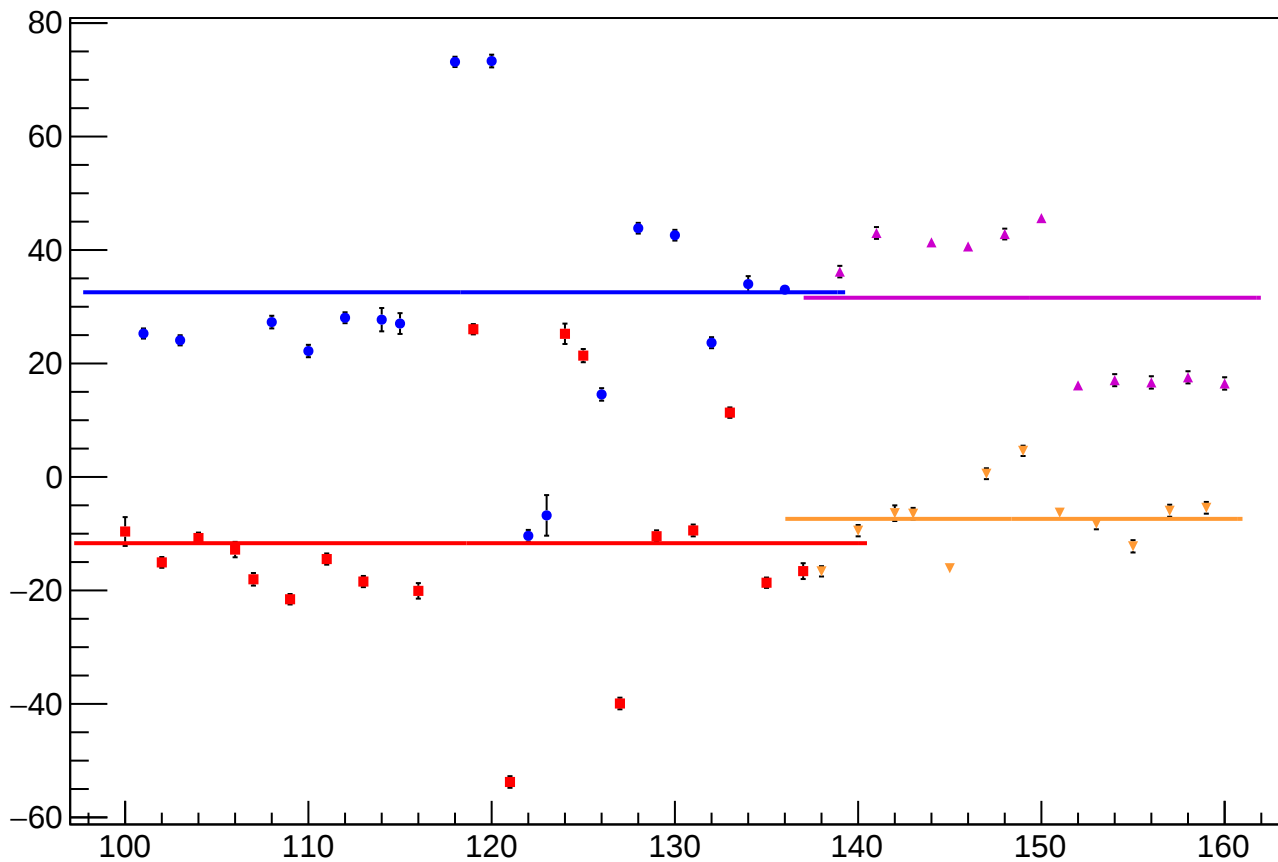
Right Out: 780.755 $\pm$ 0.207 χ^2 /NDF: 57428.9/18

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

882.886 $\pm$ 0.159 χ^2 /NDF: 696611.3/28

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: -7.386 $\pm$ 0.284 χ^2 /NDF: 475.5/11

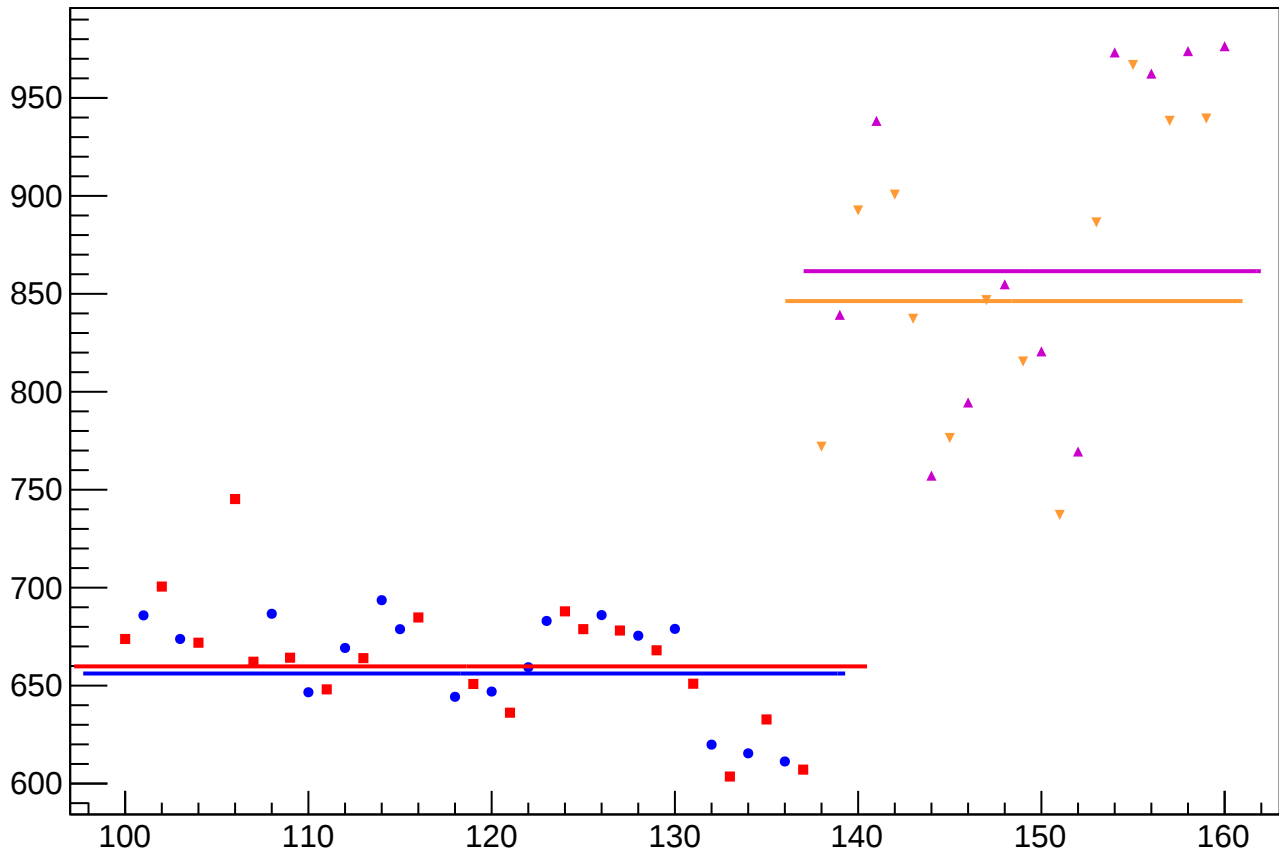
Right Out: -11.674 $\pm$ 0.247 χ^2 /NDF: 6357.6/18

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

14.895 $\pm$ 0.189 χ^2 /NDF: 17577.4/28

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

diff_bpm1i04Y_rms vs Slug



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

Left Out: 846.300 ± 0.201 $\chi^2/\text{NDF}: 129796.8/11$

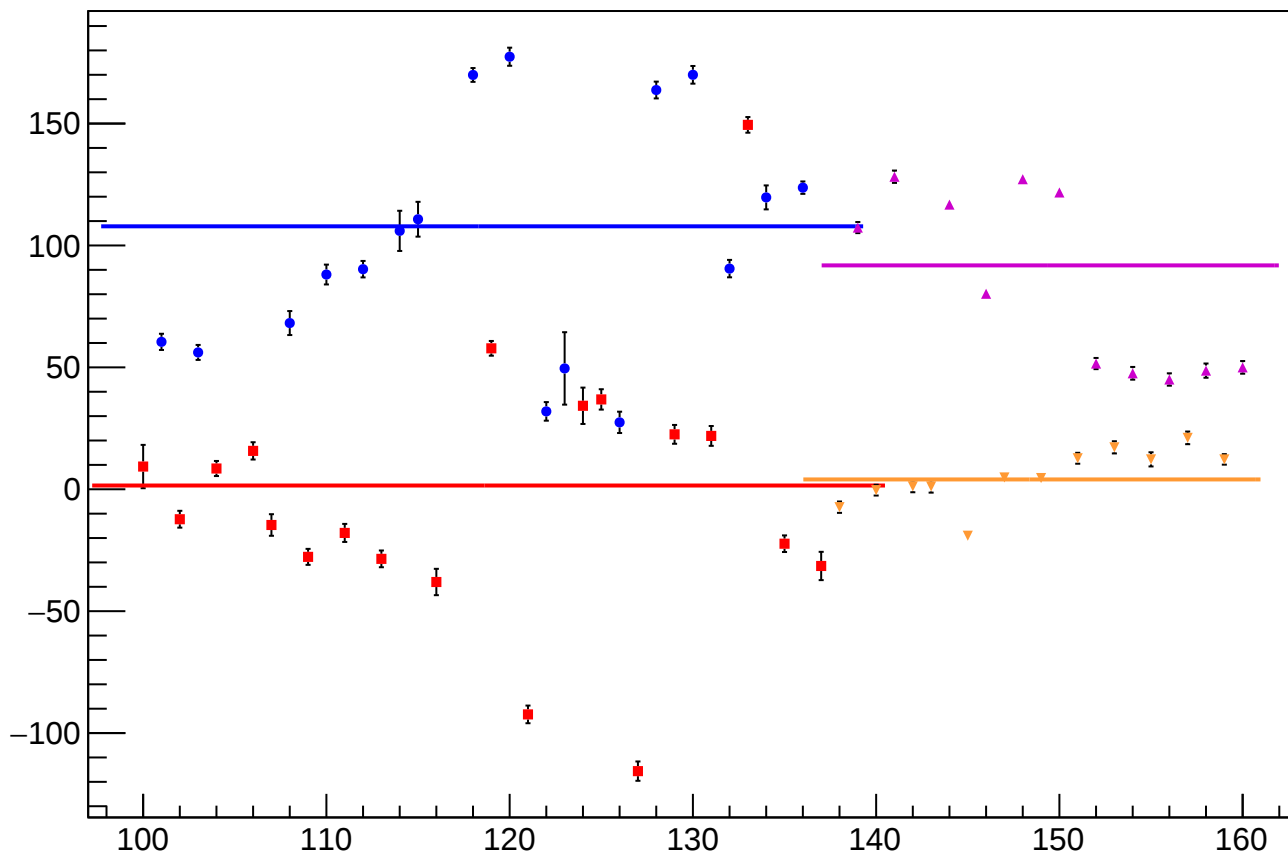
Right Out: 659.813 ± 0.175 $\chi^2/\text{NDF}: 28325.7/18$

Left In: 861.564 ± 0.206 $\chi^2/\text{NDF}: 165997.4/10$

740.232 ± 0.134 $\chi^2/\text{NDF}: 653207.6/28$

744.381 ± 0.133 $\chi^2/\text{NDF}: 753680.3/29$

diff_bpm1i06X_mean vs Slug



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

Left Out: 4.032 $\pm$ 0.639 χ^2 /NDF: 269.3/11

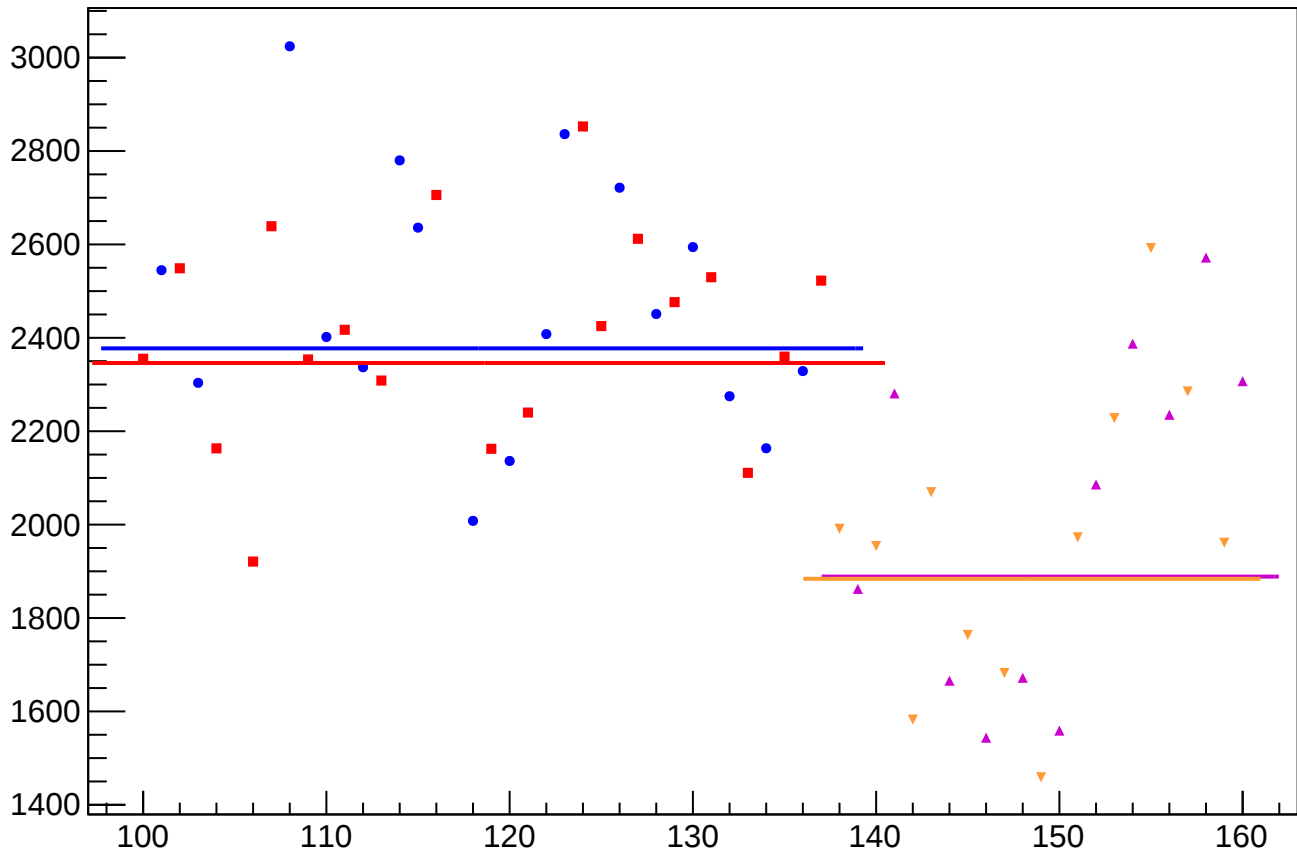
Right Out: 1.542 $\pm$ 0.883 χ^2 /NDF: 4523.8/18

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

37.730 $\pm$ 0.525 χ^2 /NDF: 11650.8/28

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: 1883.961+/-0.452 χ^2/NDF : 422920.8/11

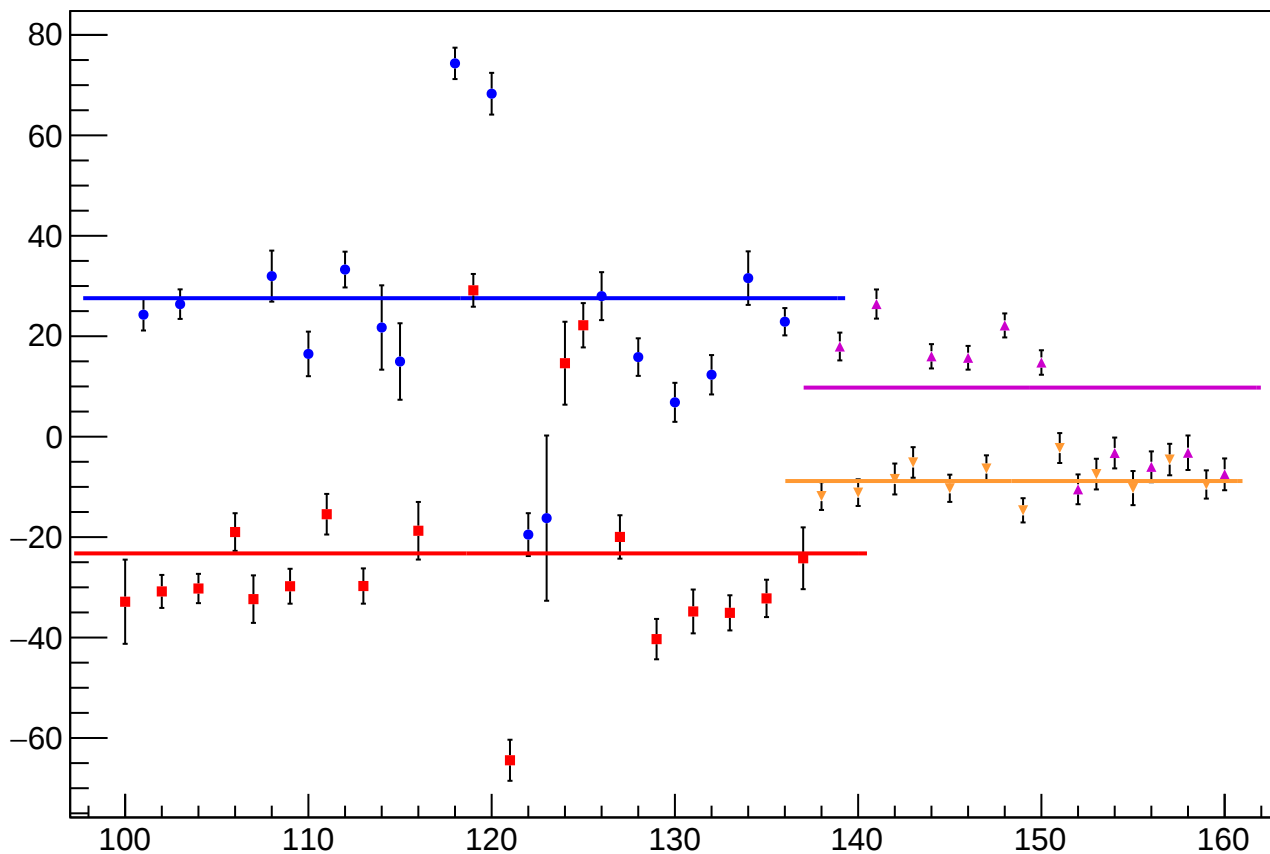
Right Out: 2346.121+/-0.625 χ^2/NDF : 108257.3/18

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

2044.129+/-0.371 χ^2/NDF : 929904.1/28

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

diff_bpm1i06Y_mean vs Slug



Right In: 27.577+/-0.975 χ^2/NDF : 519.6/16

Left Out: -8.833+/-0.824 χ^2/NDF : 17.6/11

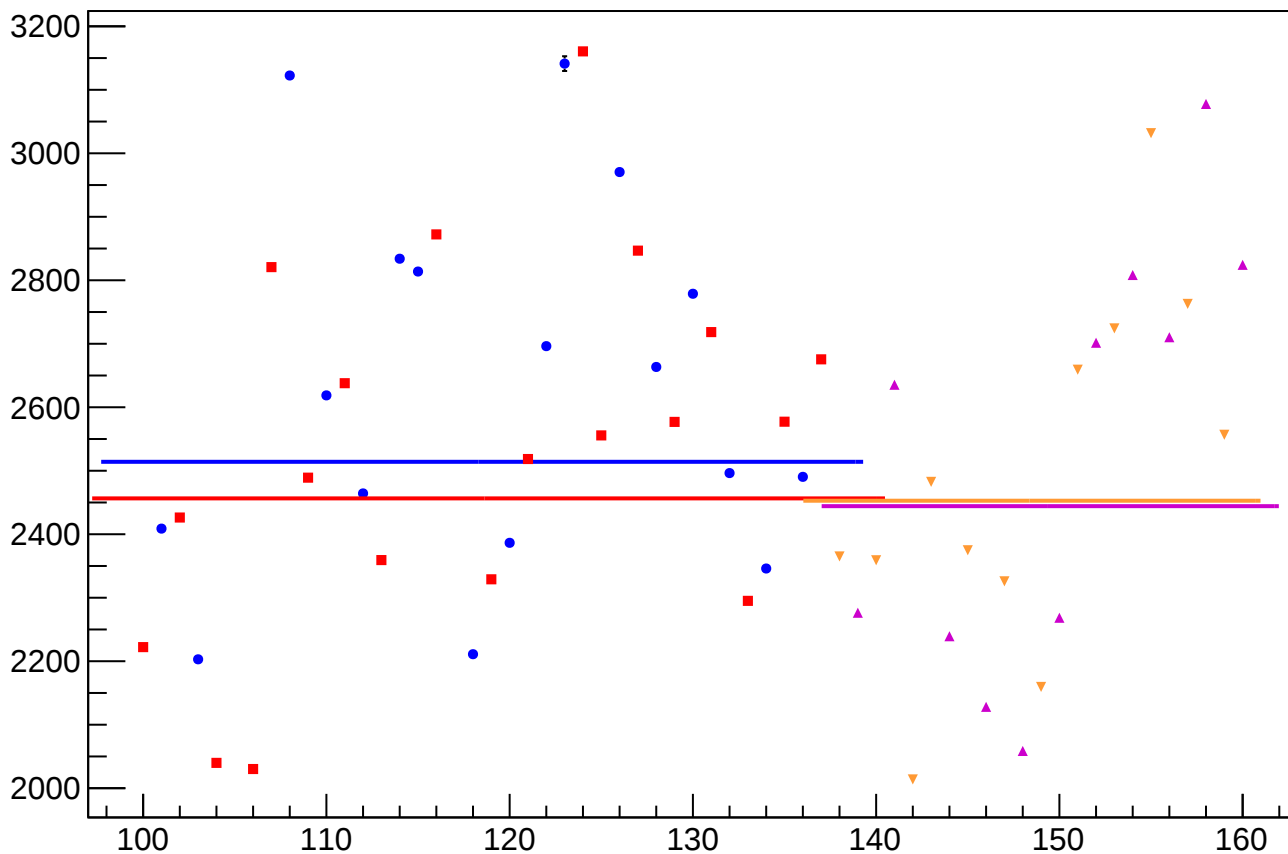
Right Out: -23.243+/-0.927 χ^2/NDF : 557.9/18

Left In: 9.772+/-0.830 χ^2/NDF : 220.4/10

6.341+/-0.629 χ^2/NDF : 1350.9/28

-4.921+/-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: 2452.799+/-0.583 χ^2/NDF : 186975.7/11

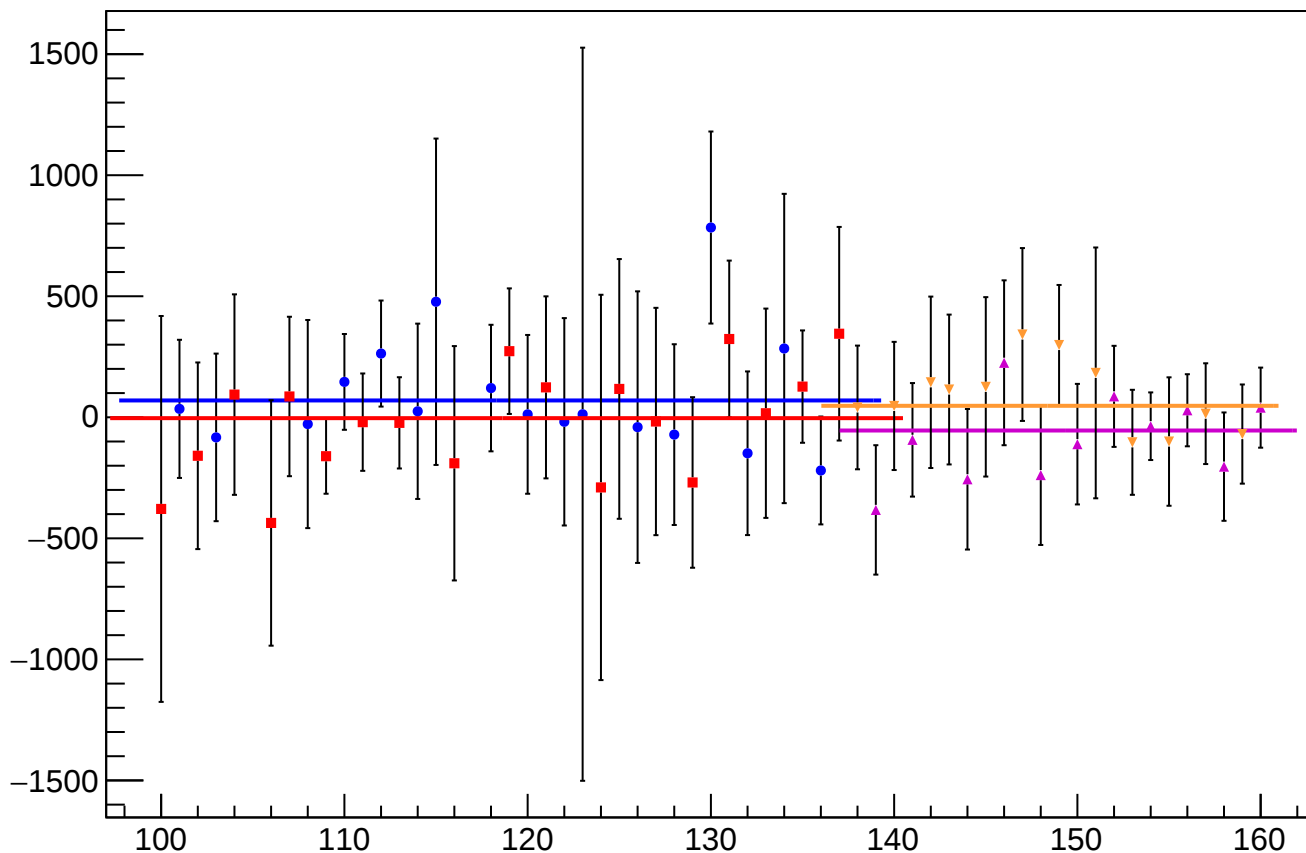
Right Out: 2456.460+/-0.655 χ^2/NDF : 149732.7/18

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

2478.341+/-0.445 χ^2/NDF : 312548.5/28

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 $\pm$ 79.023 χ^2 /NDF: 7.3/16

Left Out: 47.457 $\pm$ 77.729 χ^2 /NDF: 3.1/11

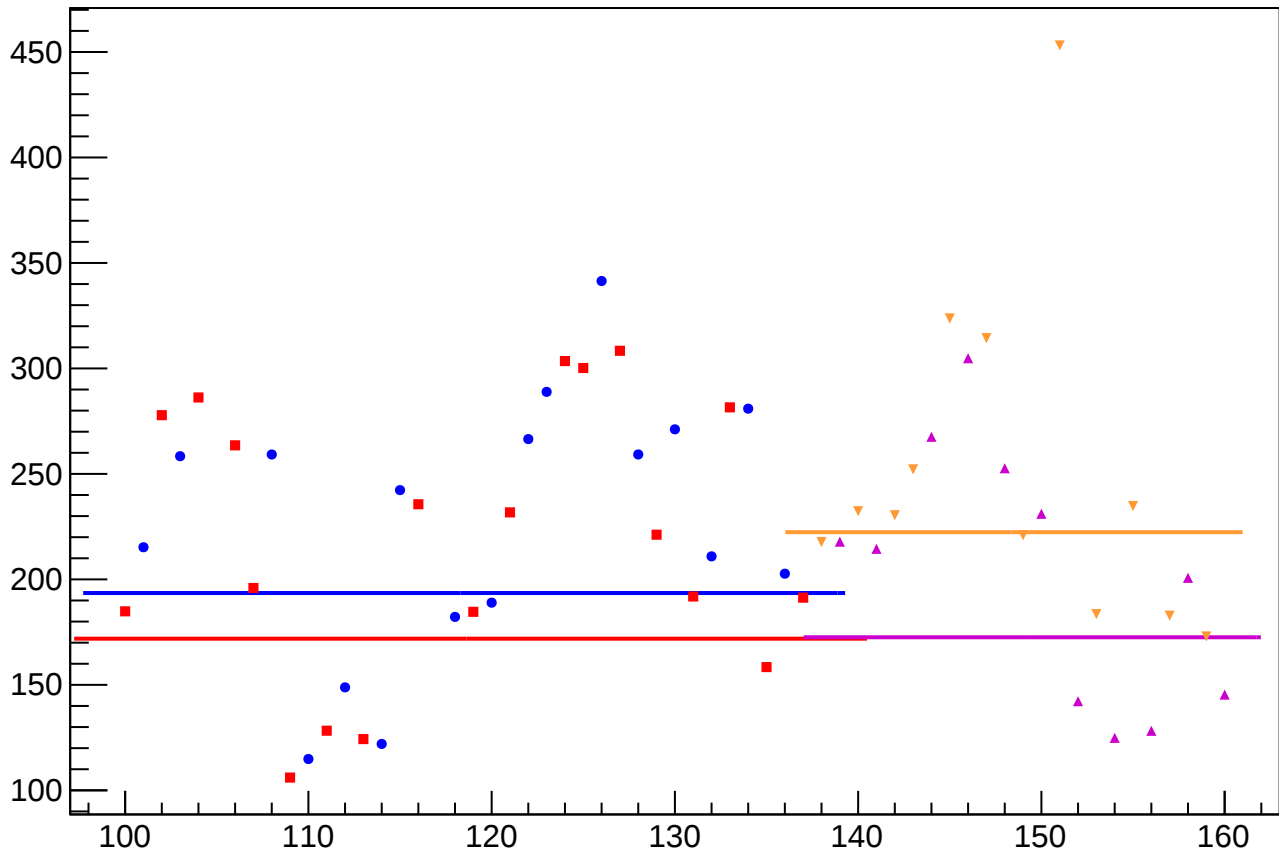
Right Out: -3.562 $\pm$ 69.980 χ^2 /NDF: 6.4/18

Left In: -54.561 $\pm$ 62.422 χ^2 /NDF: 4.7/10

58.339 $\pm$ 55.415 χ^2 /NDF: 10.4/28

-31.963 $\pm$ 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: 222.376+/-0.055 χ^2/NDF : 959506.2/11

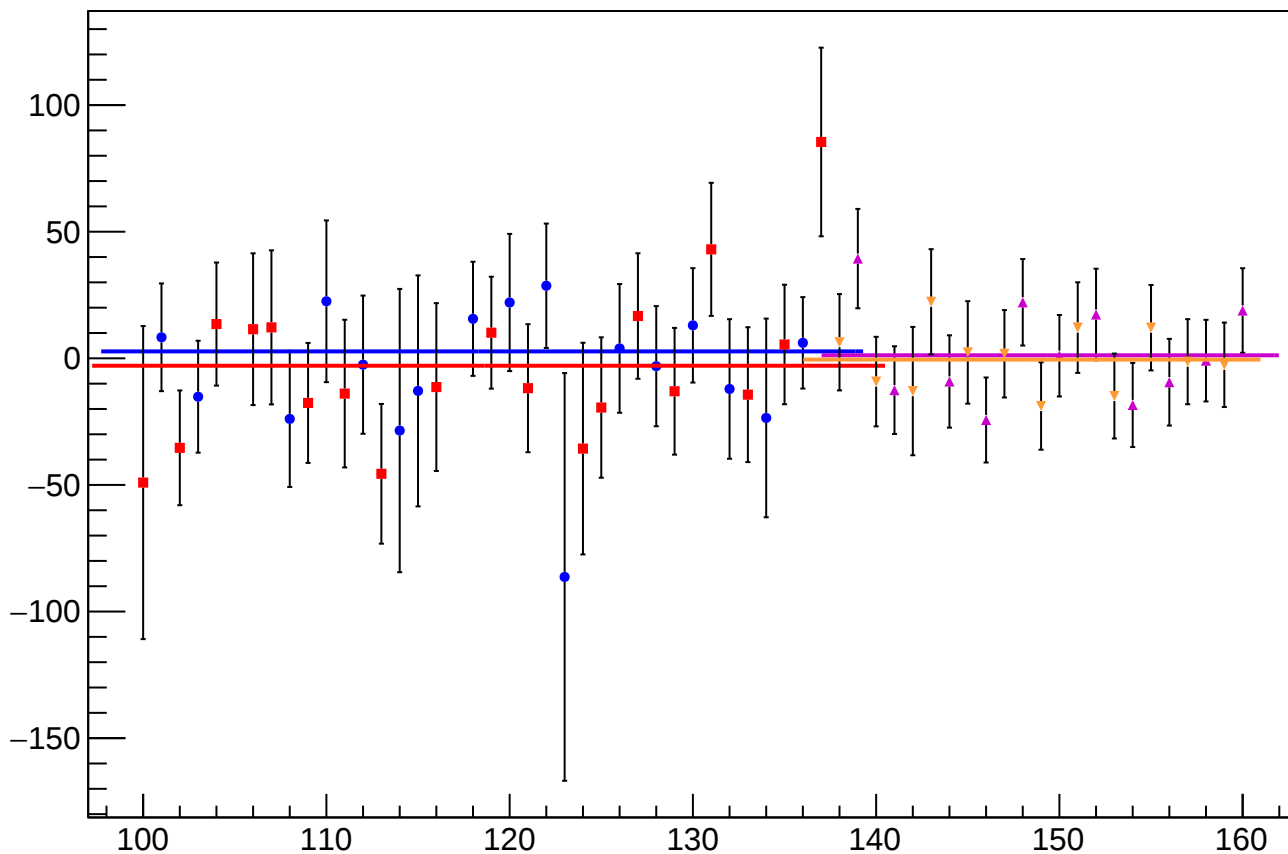
Right Out: 171.901+/-0.049 χ^2/NDF : 1576883.7/18

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

208.193+/-0.039 χ^2/NDF : 2105358.7/28

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 χ^2/NDF : 6.8/16

Left Out: -0.499 ± 5.246 χ^2/NDF : 4.8/11

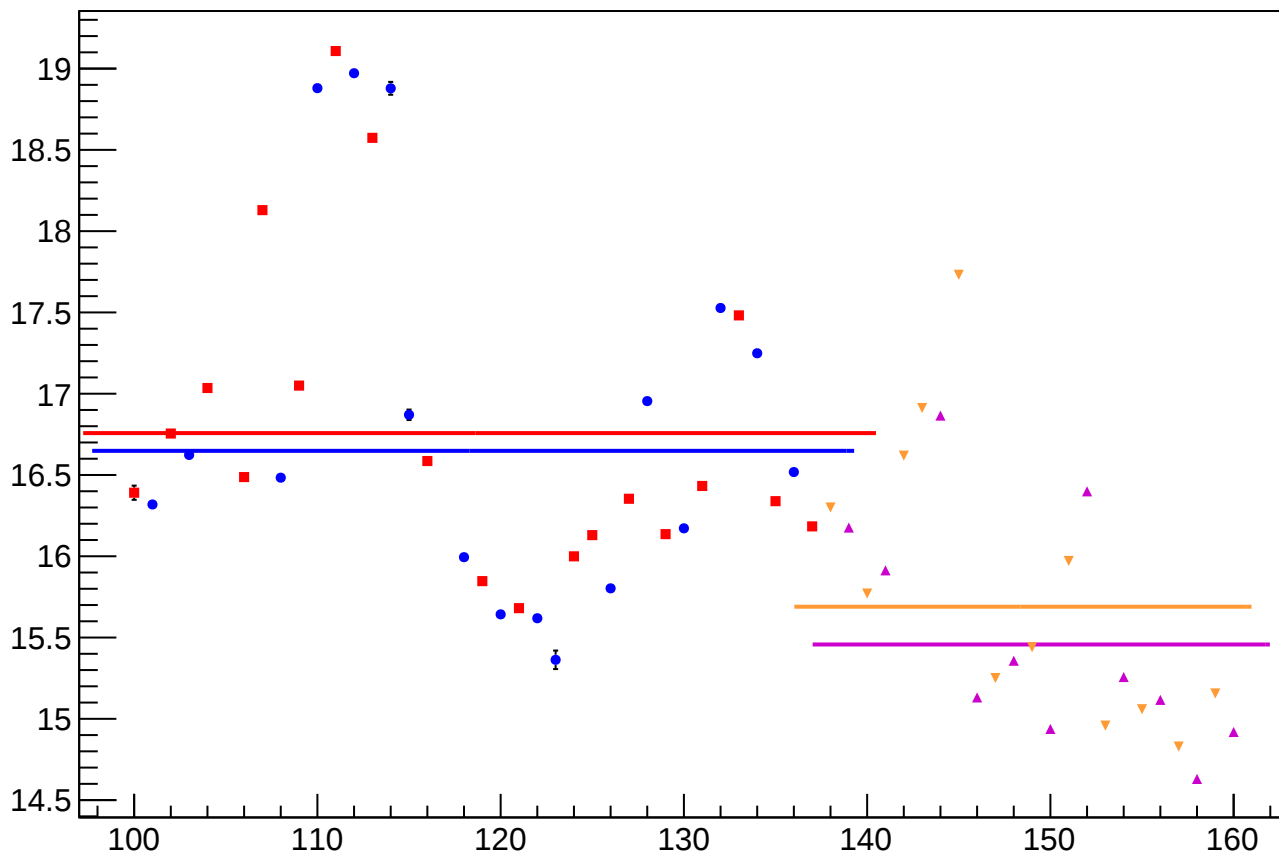
Right Out: -2.928 ± 6.279 χ^2/NDF : 17.8/18

Left In: 1.193 ± 5.177 χ^2/NDF : 12.3/10

0.794 ± 4.063 χ^2/NDF : 11.7/28

-0.475 ± 3.994 χ^2/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: 15.690 $\pm$ 0.004 χ^2/NDF : 48186.3/11

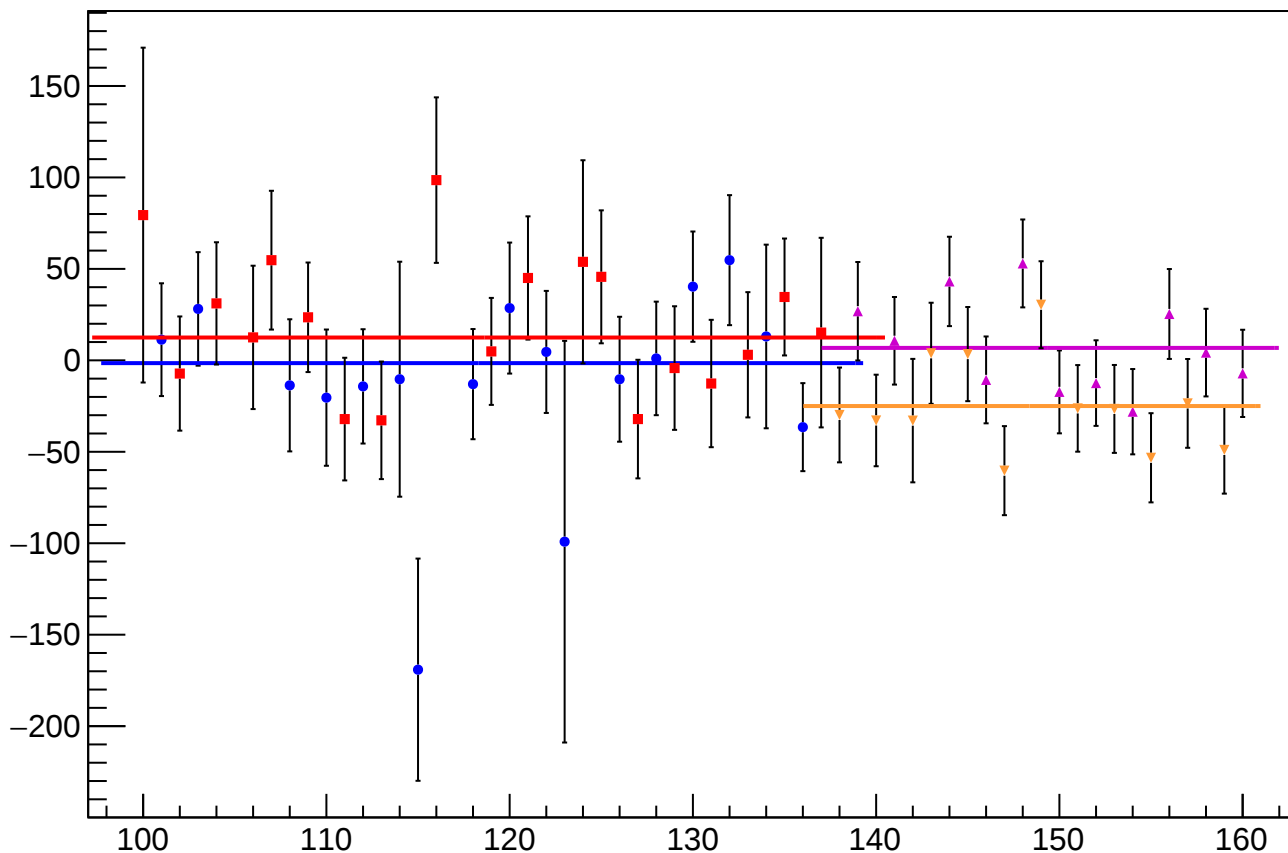
Right Out: 16.758 $\pm$ 0.004 χ^2/NDF : 39950.7/18

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

16.073 $\pm$ 0.003 χ^2/NDF : 117483.9/28

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 χ^2/NDF : 17.6/16

Left Out: -24.987 ± 7.277 χ^2/NDF : 12.4/11

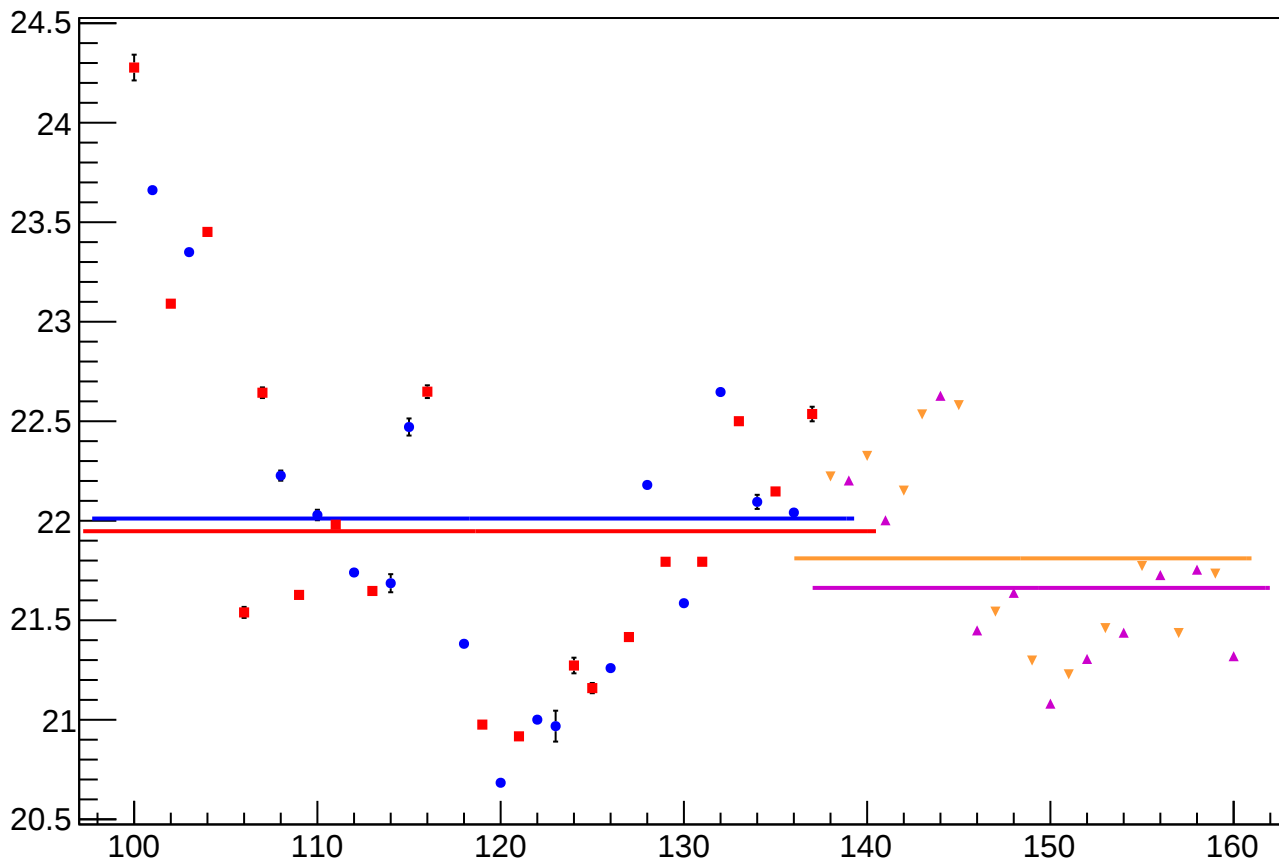
Right Out: 12.475 ± 8.210 χ^2/NDF : 15.6/18

Left In: 6.802 ± 7.241 χ^2/NDF : 12.0/10

-15.043 ± 5.524 χ^2/NDF : 34.4/28

9.284 ± 5.431 χ^2/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: 21.811 ± 0.005 χ^2/NDF : 8026.2/11

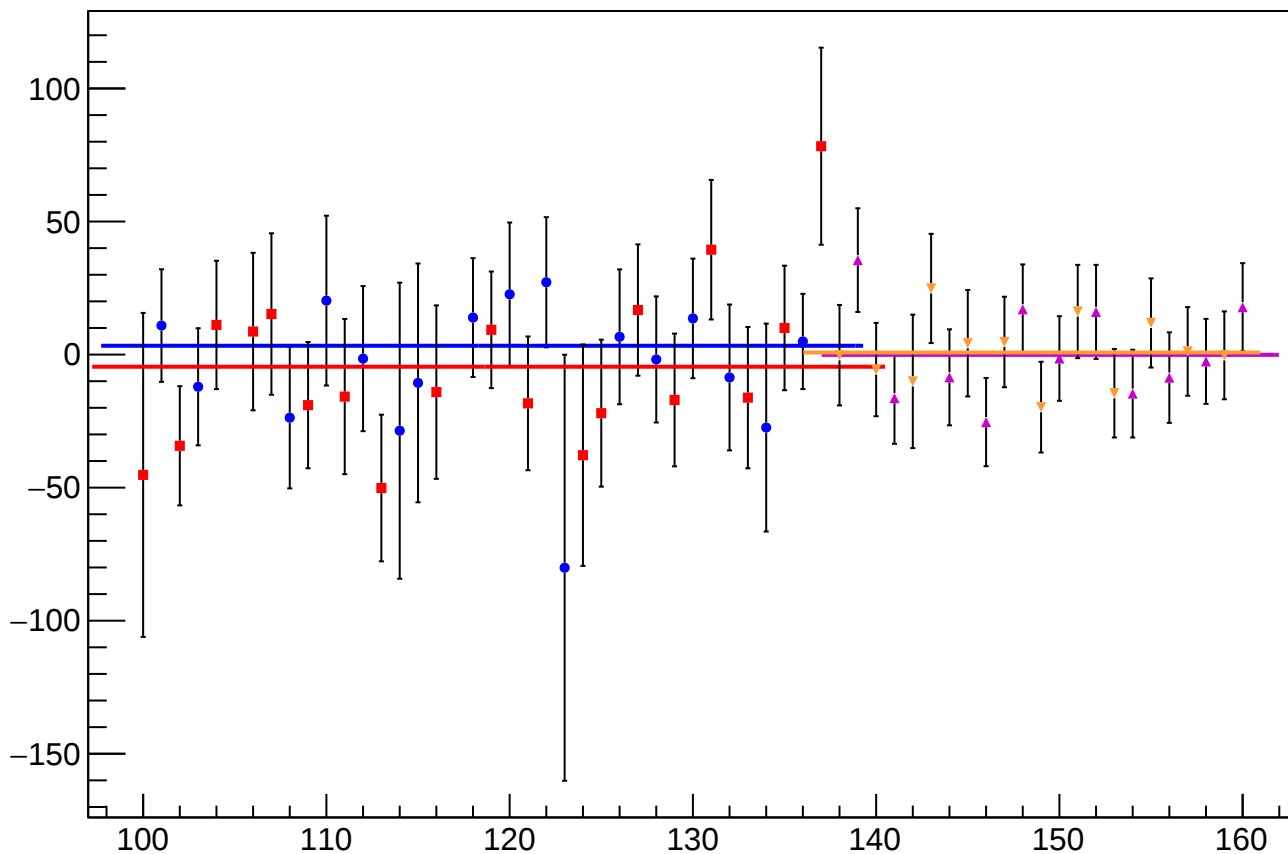
Right Out: 21.947 ± 0.006 χ^2/NDF : 16592.7/18

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

21.896 ± 0.004 χ^2/NDF : 26214.1/28

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 χ^2/NDF : 6.3/16

Left Out: 0.784 ± 5.190 χ^2/NDF : 5.3/11

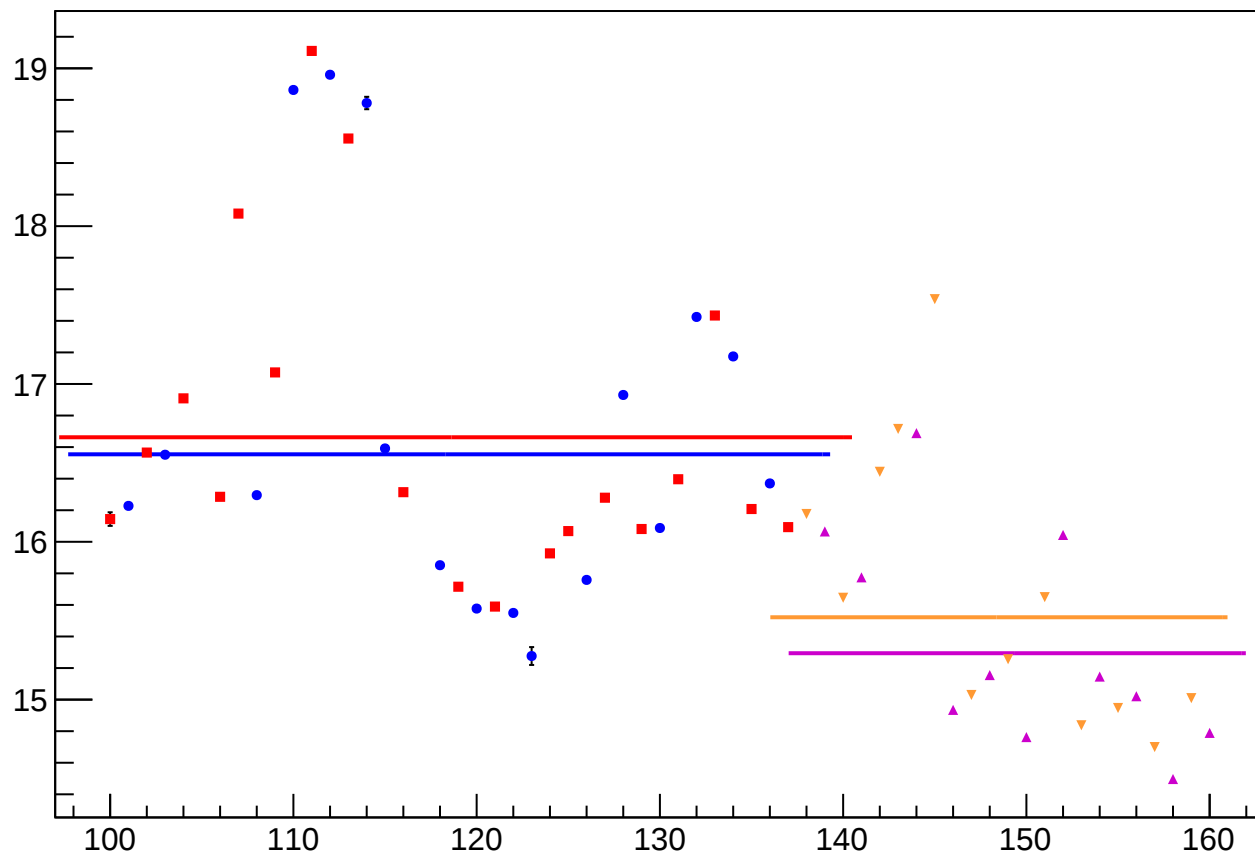
Right Out: -4.561 ± 6.244 χ^2/NDF : 17.7/18

Left In: -0.103 ± 5.122 χ^2/NDF : 10.9/10

1.791 ± 4.028 χ^2/NDF : 11.7/28

-1.896 ± 3.960 χ^2/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: 15.522 $\pm$ 0.004 χ^2/NDF : 47073.9/11

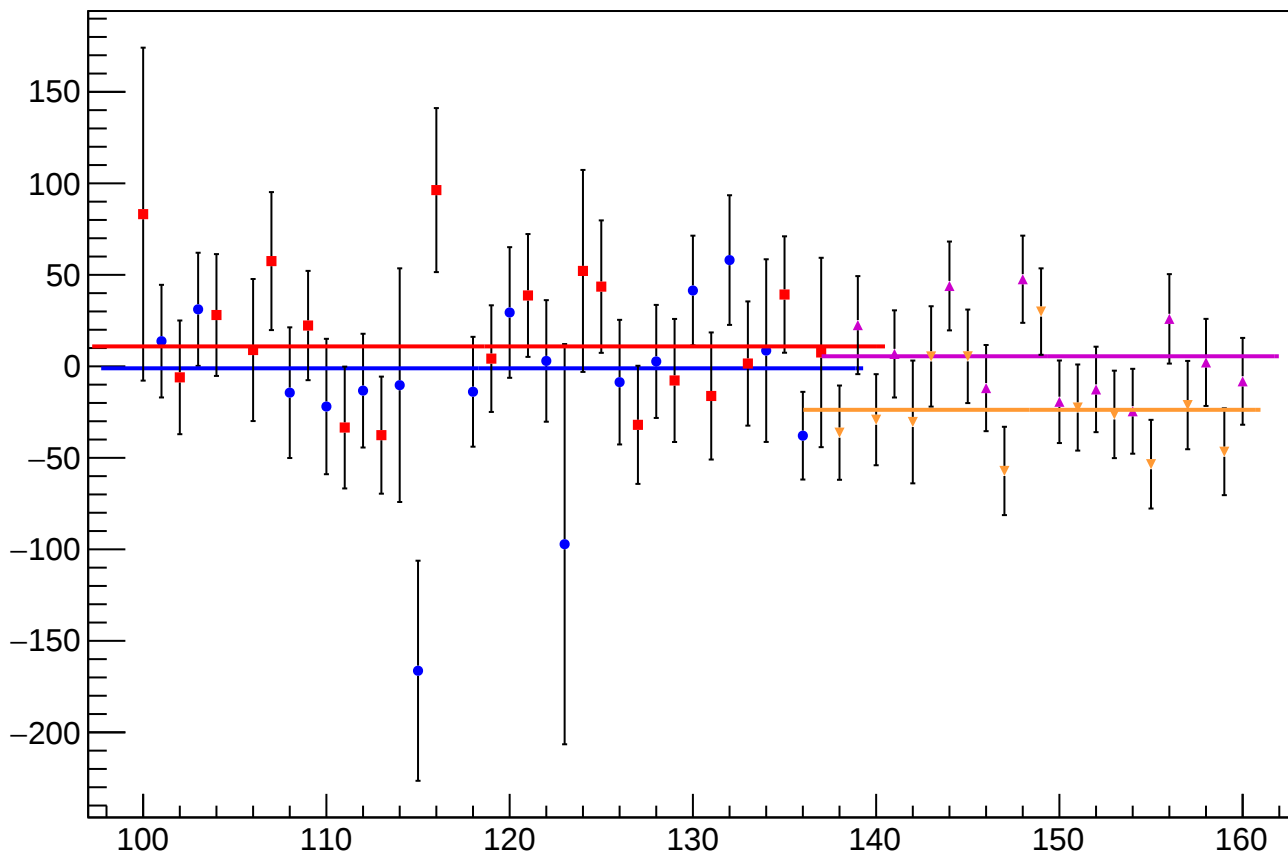
Right Out: 16.662 $\pm$ 0.004 χ^2/NDF : 43063.6/18

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

15.932 $\pm$ 0.003 χ^2/NDF : 123027.6/28

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 $\chi^2/\text{NDF}: 18.5/16$

Left Out: -23.755 ± 7.229 $\chi^2/\text{NDF}: 12.3/11$

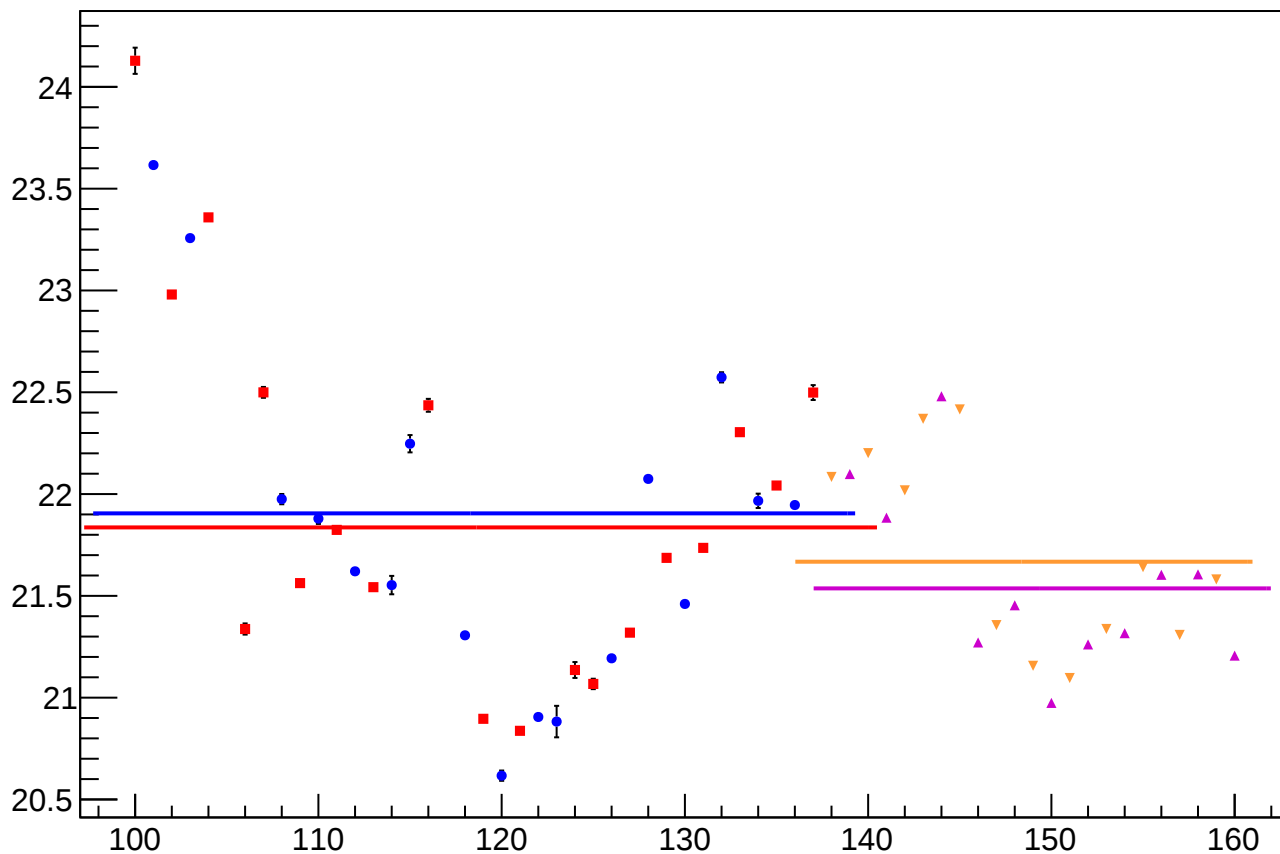
Right Out: 10.900 ± 8.169 $\chi^2/\text{NDF}: 16.2/18$

Left In: 5.508 ± 7.199 $\chi^2/\text{NDF}: 11.1/10$

-14.160 ± 5.492 $\chi^2/\text{NDF}: 34.9/28$

7.865 ± 5.401 $\chi^2/\text{NDF}: 27.6/29$

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: 21.668 $\pm$ 0.005 χ^2 /NDF: 7986.8/11

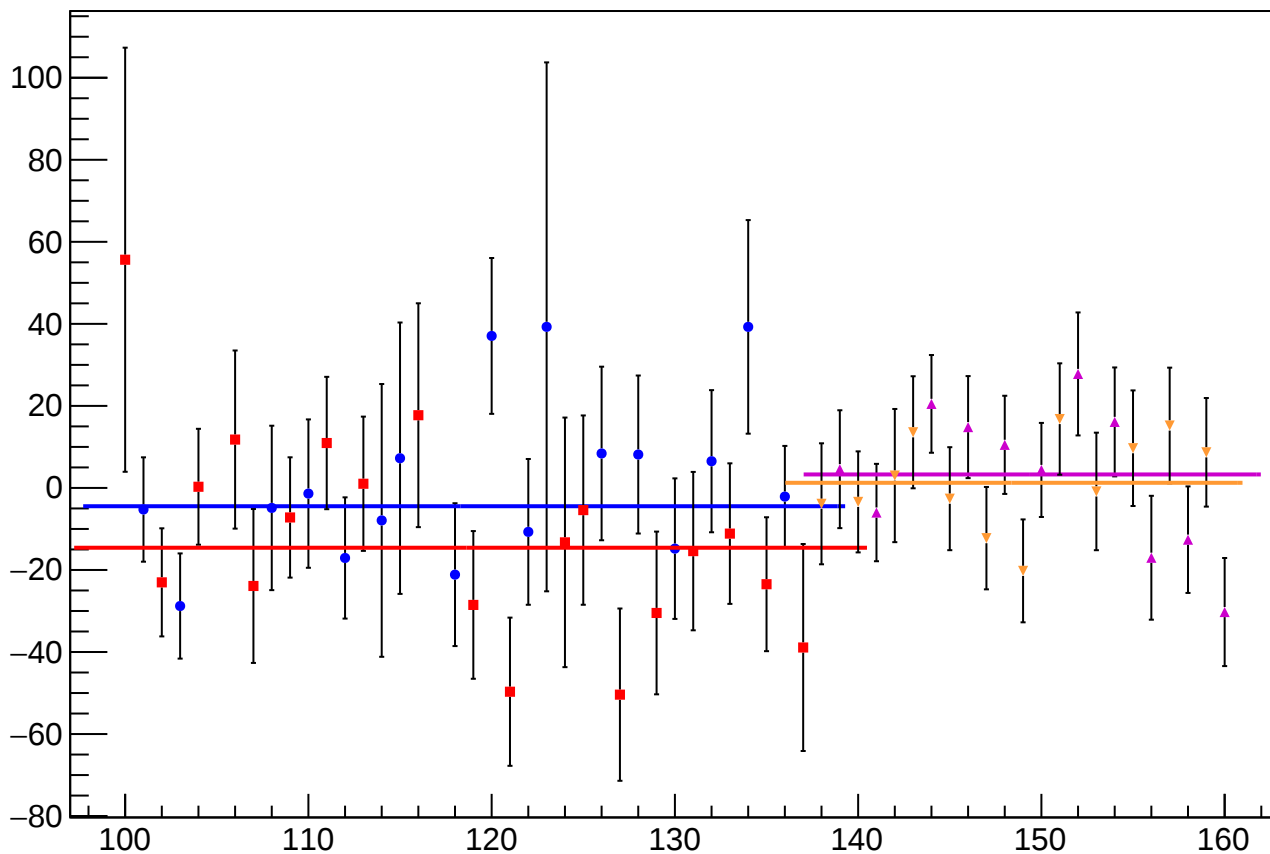
Right Out: 21.836 $\pm$ 0.006 χ^2 /NDF: 16251.2/18

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

21.768 $\pm$ 0.004 χ^2 /NDF: 26693.6/28

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 χ^2/NDF : 15.2/16

Left Out: 1.252 ± 3.907 χ^2/NDF : 8.3/11

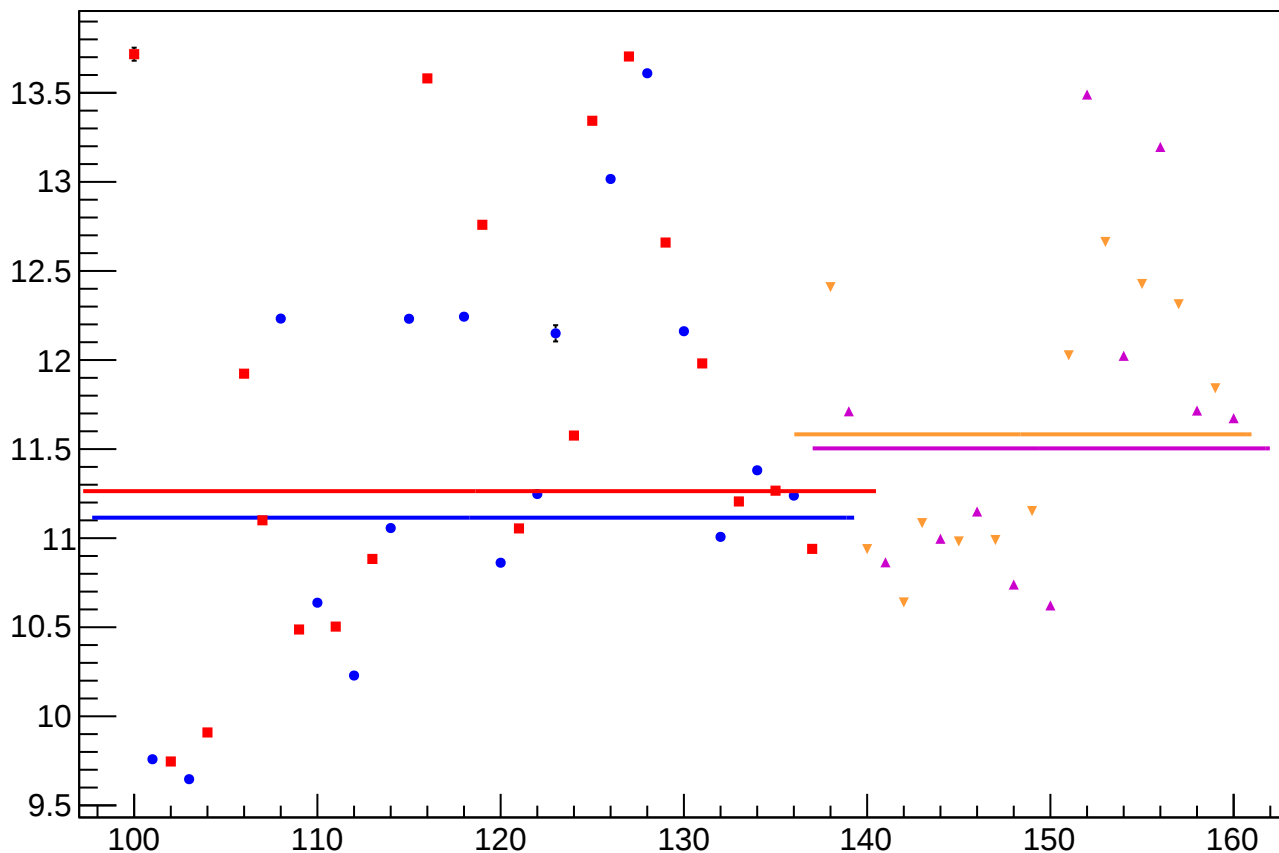
Right Out: -14.579 ± 4.264 χ^2/NDF : 19.5/18

Left In: 3.288 ± 3.886 χ^2/NDF : 17.3/10

-1.312 ± 2.900 χ^2/NDF : 24.4/28

-4.818 ± 2.872 χ^2/NDF : 46.4/29

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.115 ± 0.003 $\chi^2/\text{NDF}: 133059.3/16$

Left Out: 11.583 ± 0.003 $\chi^2/\text{NDF}: 59421.6/11$

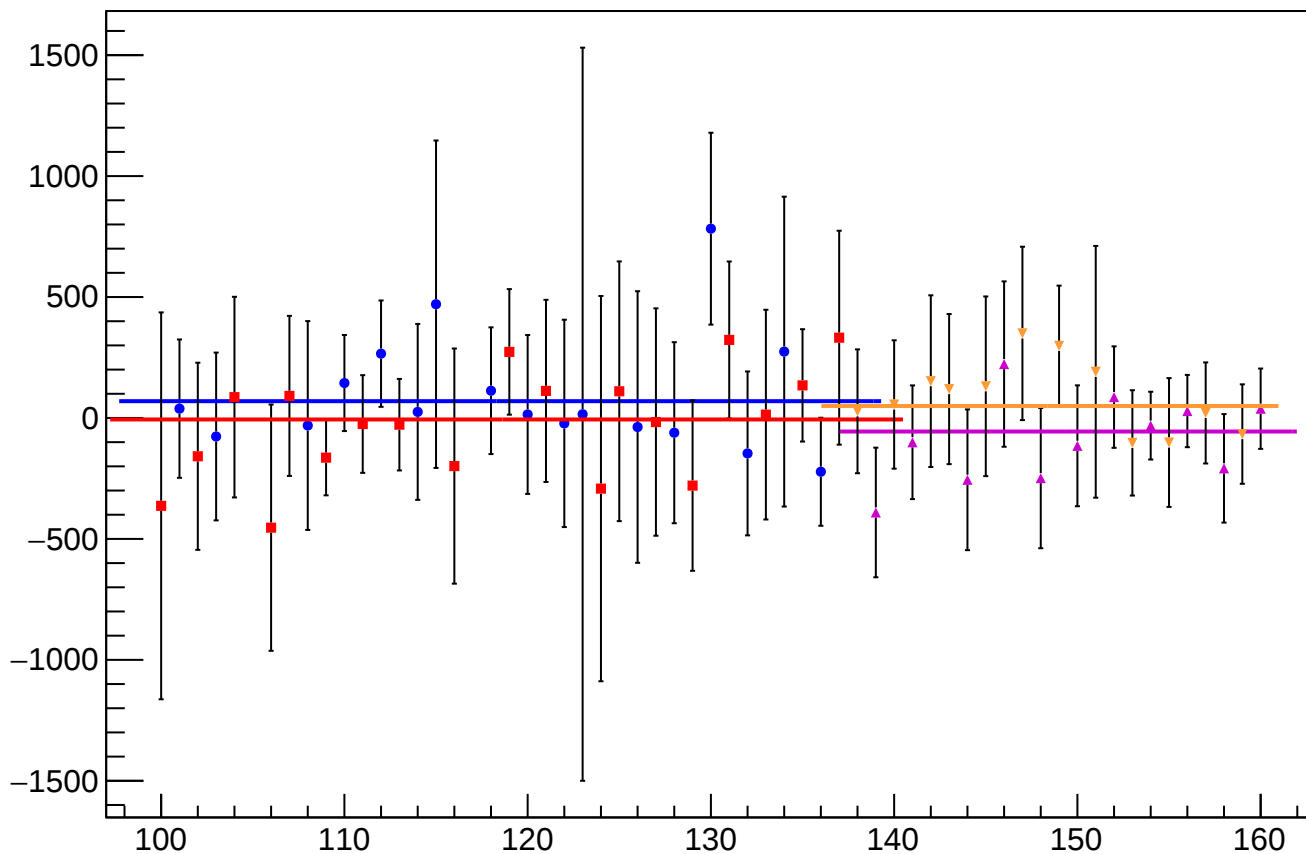
Right Out: 11.264 ± 0.003 $\chi^2/\text{NDF}: 147483.5/18$

Left In: 11.504 ± 0.003 $\chi^2/\text{NDF}: 95605.1/10$

11.373 ± 0.002 $\chi^2/\text{NDF}: 205354.9/28$

11.395 ± 0.002 $\chi^2/\text{NDF}: 246552.7/29$

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: 49.582+/-77.988 χ^2/NDF : 3.1/11

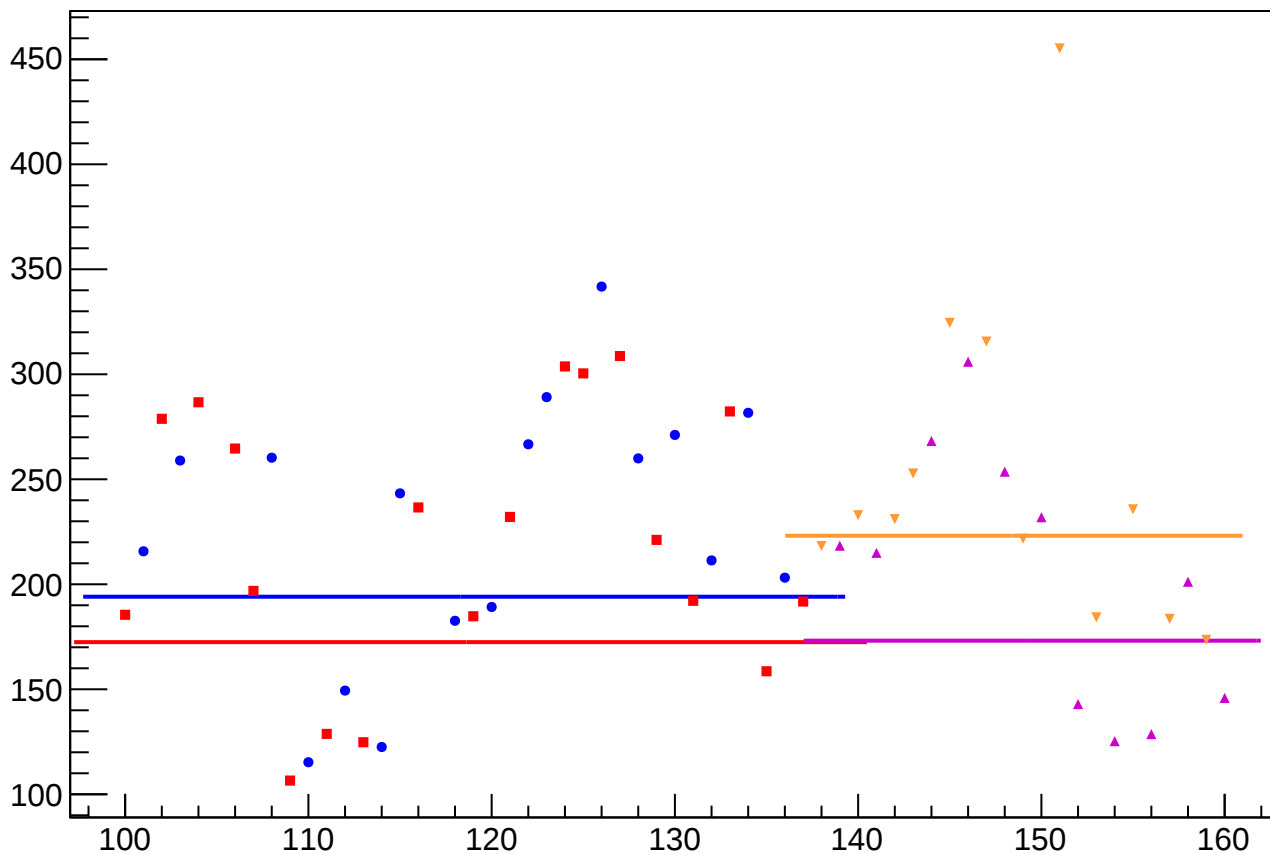
Right Out: -6.194+/-70.182 χ^2/NDF : 6.5/18

Left In: -56.042+/-62.630 χ^2/NDF : 4.8/10

59.369+/-55.580 χ^2/NDF : 10.4/28

-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+/-0.056 χ^2/NDF : 1005395.7/16

Left Out: 223.120+/-0.055 χ^2/NDF : 958776.5/11

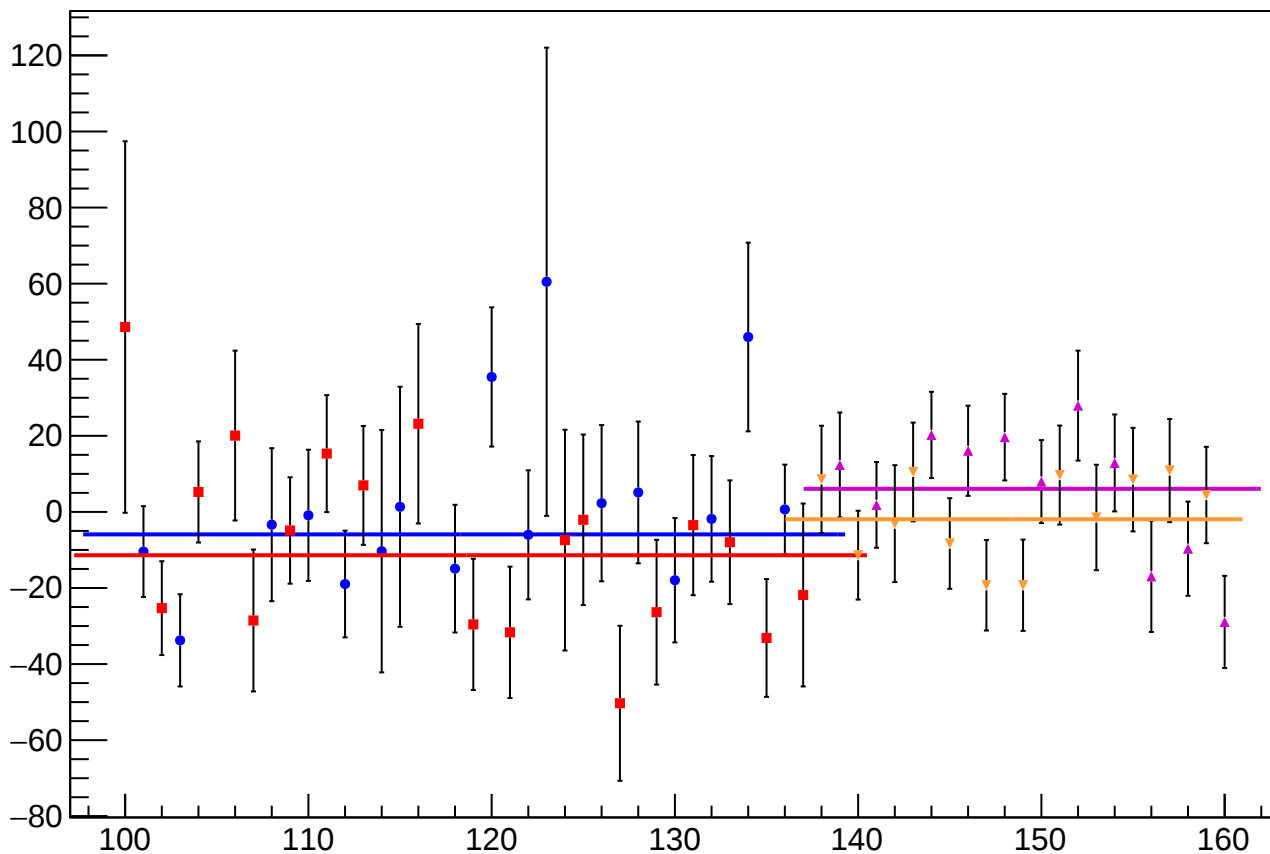
Right Out: 172.452+/-0.050 χ^2/NDF : 1569463.1/18

Left In: 173.146+/-0.044 χ^2/NDF : 1438085.1/10

208.830+/-0.039 χ^2/NDF : 2100619.2/28

172.838+/-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: -1.925 ± 3.733 χ^2/NDF : 9.2/11

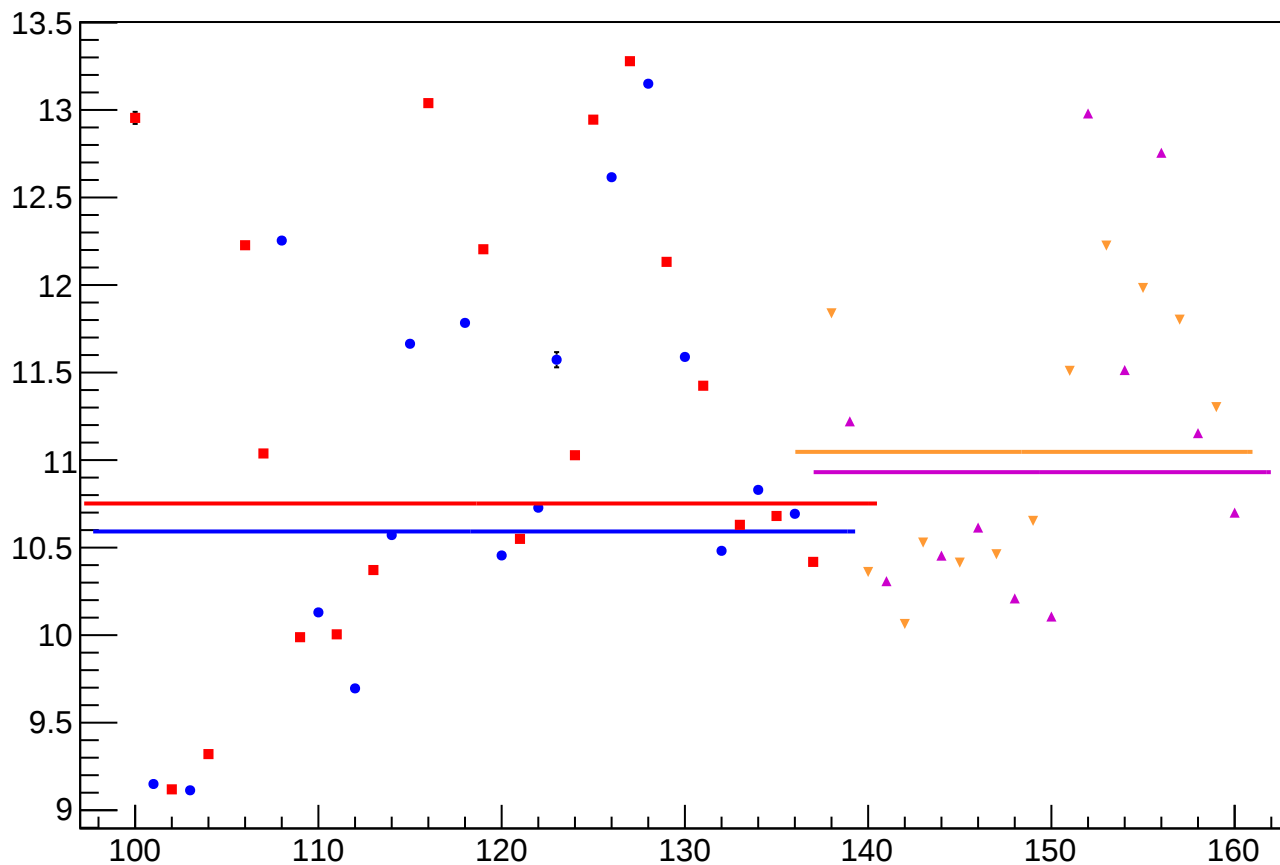
Right Out: -11.391 ± 4.079 χ^2/NDF : 22.9/18

Left In: 6.066 ± 3.699 χ^2/NDF : 19.1/10

-3.716 ± 2.770 χ^2/NDF : 28.5/28

-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: 11.047+/-0.003 χ^2/NDF : 70684.8/11

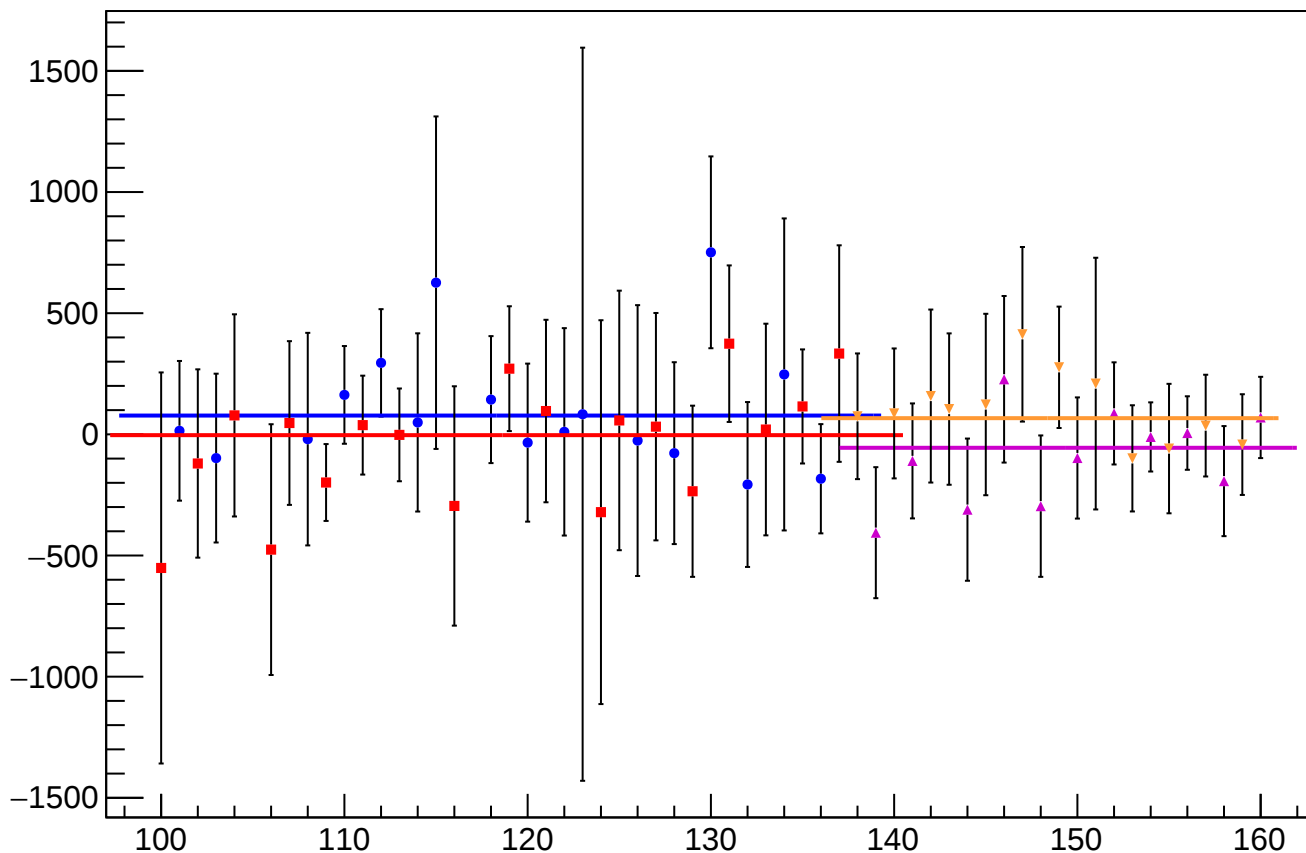
Right Out: 10.752+/-0.003 χ^2/NDF : 176895.3/18

Left In: 10.931+/-0.003 χ^2/NDF : 108285.0/10

10.843+/-0.002 χ^2/NDF : 244413.7/28

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+/-79.751 χ^2/NDF : 7.6/16

Left Out: 66.805+/-78.557 χ^2/NDF : 2.9/11

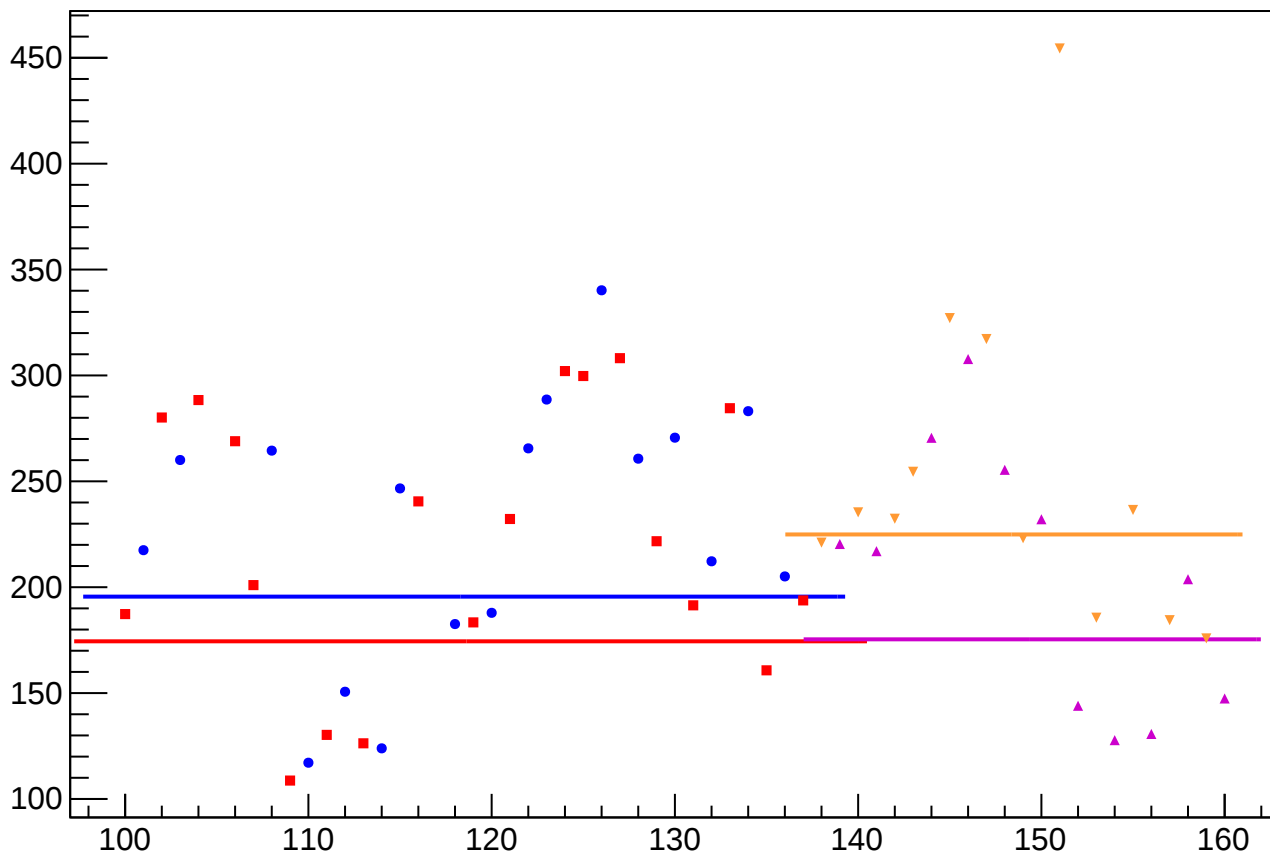
Right Out: -3.305+/-70.855 χ^2/NDF : 7.4/18

Left In: -55.448+/-63.334 χ^2/NDF : 5.5/10

72.116+/-55.965 χ^2/NDF : 10.5/28

-32.290+/-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: 224.913+/-0.056 χ^2/NDF : 947182.7/11

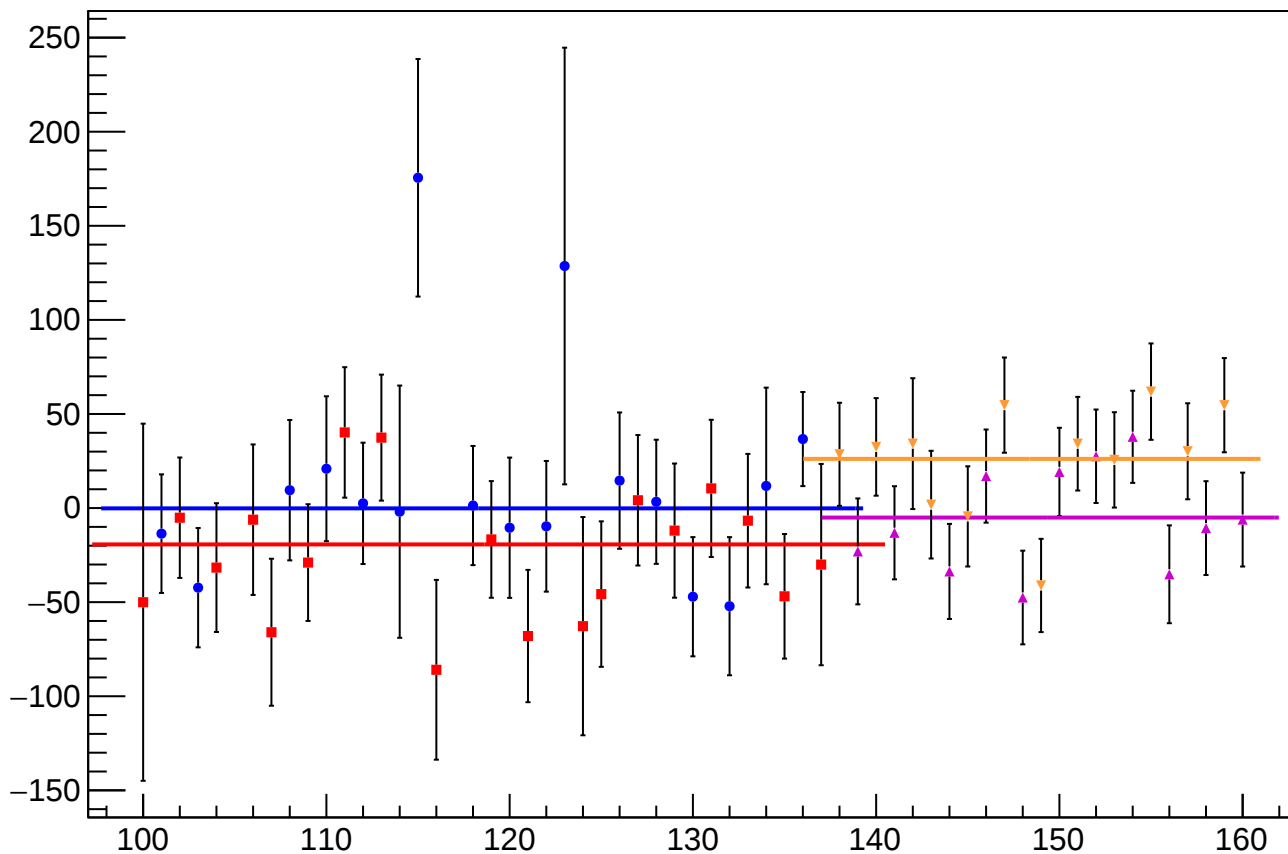
Right Out: 174.449+/-0.050 χ^2/NDF : 1528629.1/18

Left In: 175.383+/-0.045 χ^2/NDF : 1404551.2/10

210.453+/-0.040 χ^2/NDF : 2064713.1/28

174.968+/-0.033 χ^2/NDF : 2933373.5/29

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -0.158+/-8.826 χ^2/NDF : 18.1/16

Left Out: 26.141+/-7.603 χ^2/NDF : 14.2/11

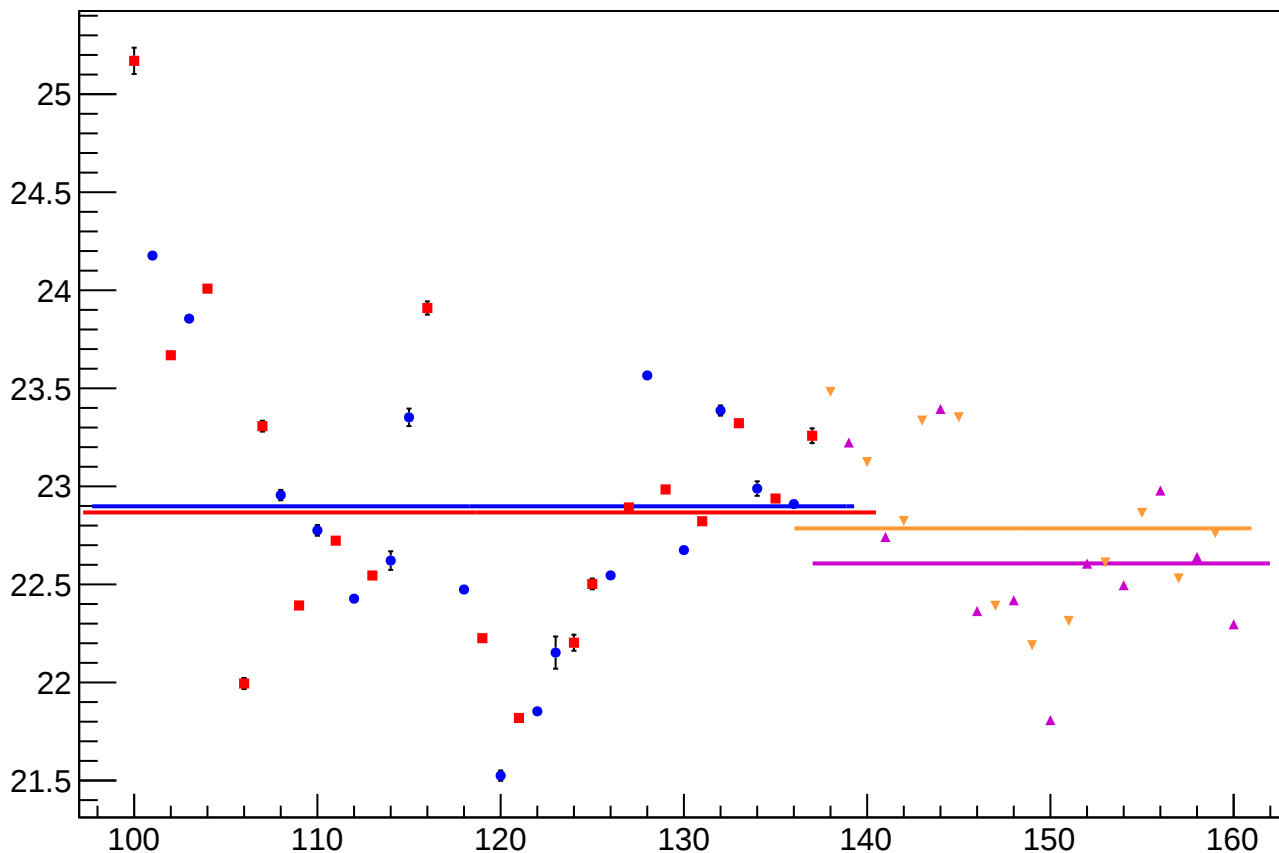
Right Out: -19.316+/-8.554 χ^2/NDF : 14.8/18

Left In: -5.050+/-7.557 χ^2/NDF : 12.8/10

14.939+/-5.760 χ^2/NDF : 37.3/28

-11.304+/-5.663 χ^2/NDF : 29.1/29

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.898 ± 0.006 χ^2/NDF : 12143.3/16

Left Out: 22.786 ± 0.005 χ^2/NDF : 5955.0/11

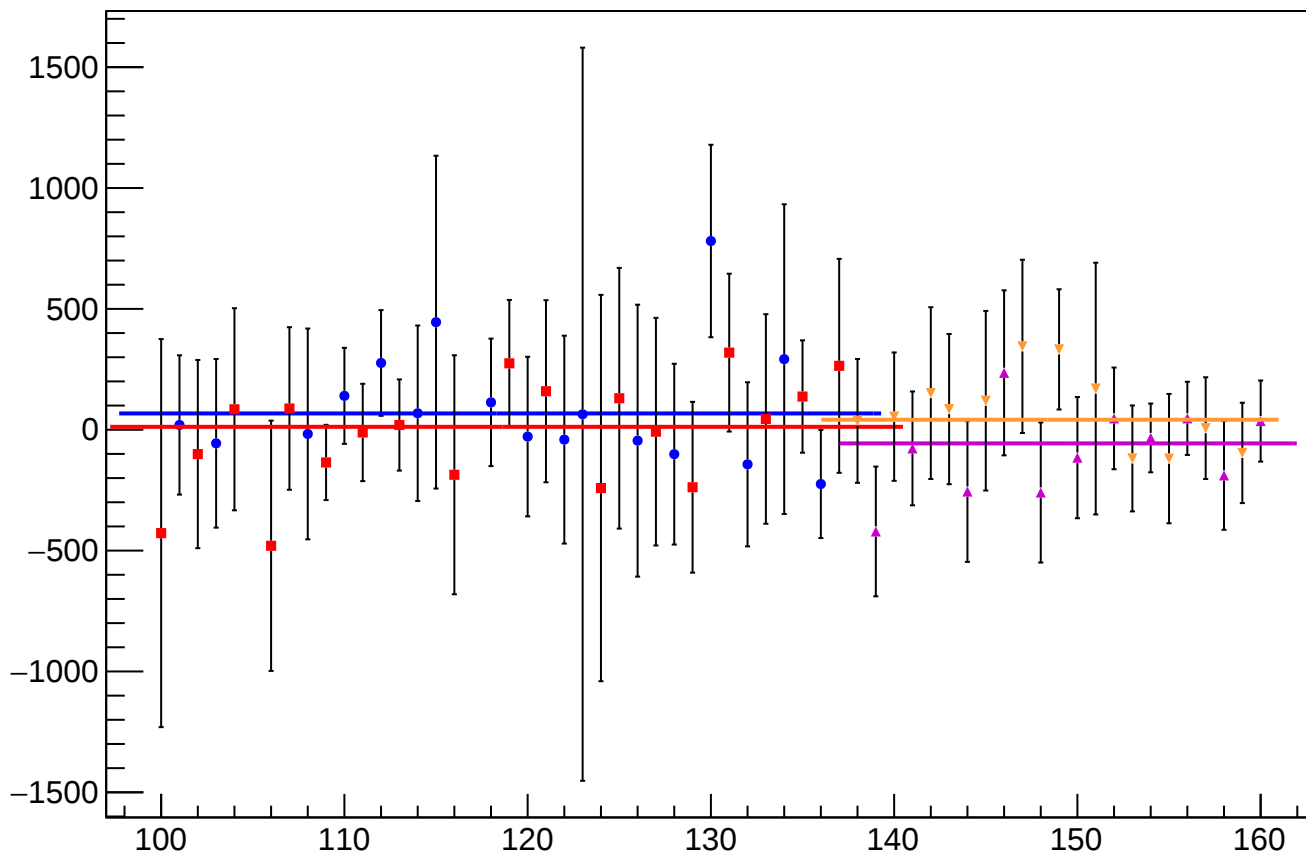
Right Out: 22.867 ± 0.006 χ^2/NDF : 11048.4/18

Left In: 22.607 ± 0.005 χ^2/NDF : 6355.4/10

22.834 ± 0.004 χ^2/NDF : 18285.2/28

22.721 ± 0.004 χ^2/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: 41.400+/-78.285 χ^2/NDF : 3.7/11

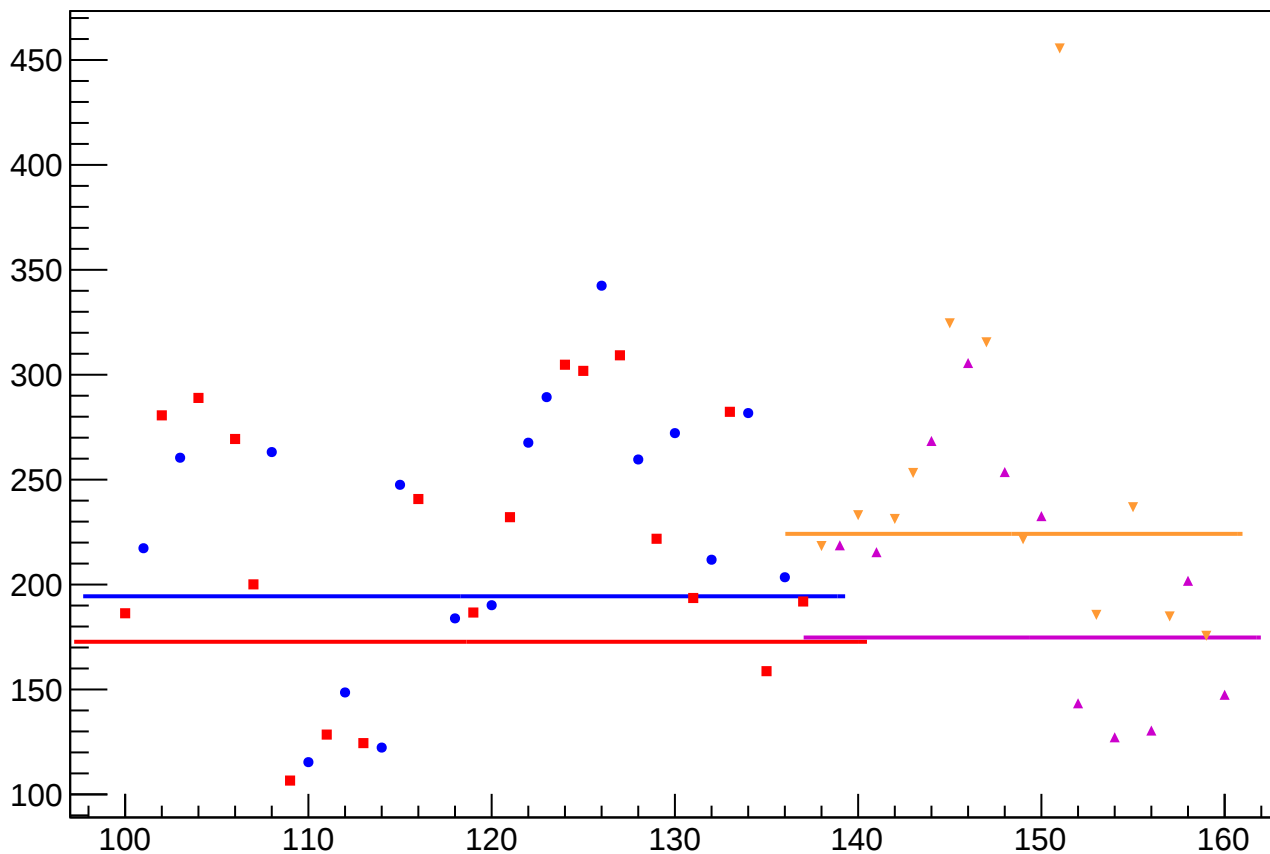
Right Out: 12.117+/-70.355 χ^2/NDF : 5.8/18

Left In: -56.444+/-63.103 χ^2/NDF : 5.0/10

54.239+/-55.748 χ^2/NDF : 11.1/28

-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 $\pm$ 0.056 χ^2 /NDF: 1019913.2/16

Left Out: 224.167 $\pm$ 0.055 χ^2 /NDF:938293.1/11

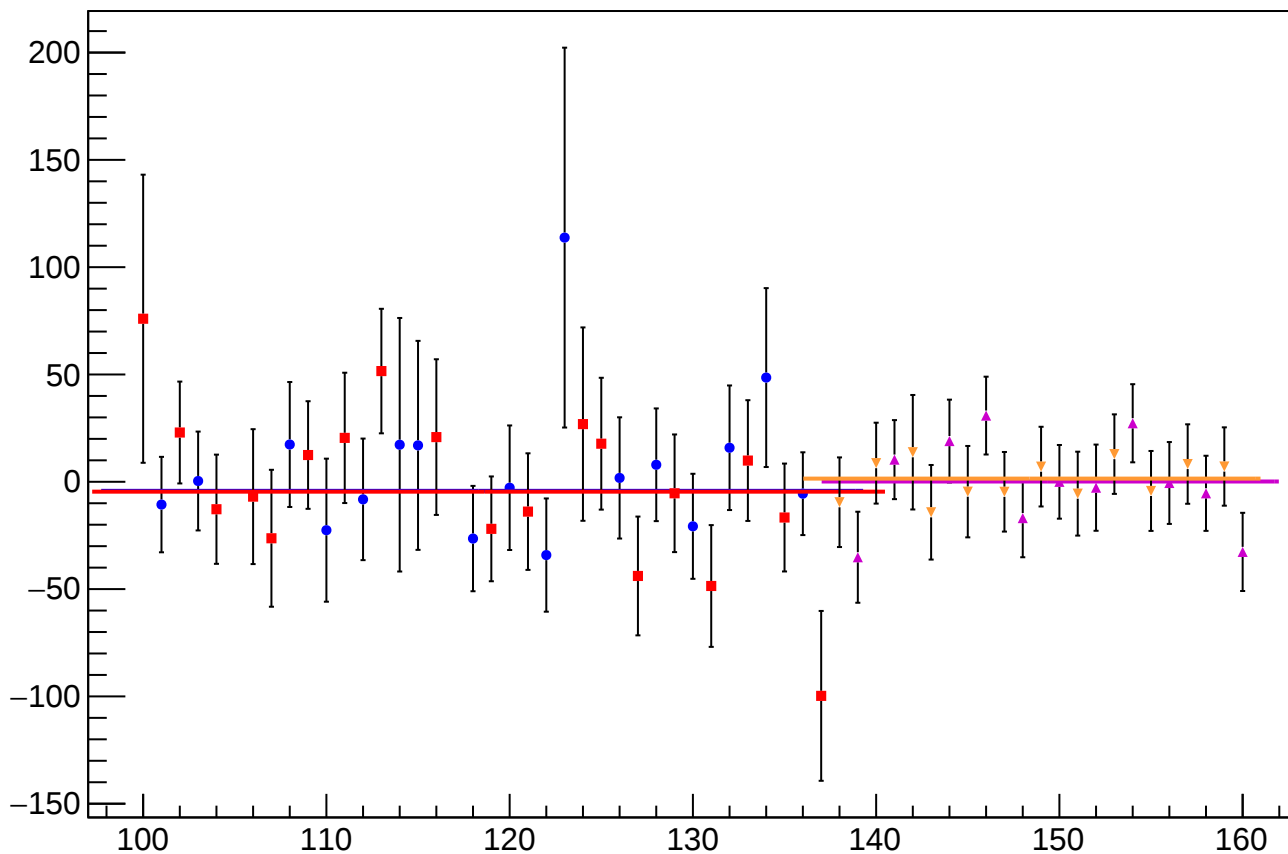
Right Out: 172.730 $\pm$ 0.050 χ^2 /NDF: 1596758.0/18

Left In: 174.767 $\pm$ 0.045 χ^2 /NDF:1390166.0/10

209.500 $\pm$ 0.039 χ^2 /NDF: 2100629.9/28

173.859 $\pm$ 0.033 χ^2 /NDF: 2987852.9/29

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.223 ± 6.871 χ^2/NDF : 8.0/16

Left Out: 1.482 ± 5.687 χ^2/NDF : 2.3/11

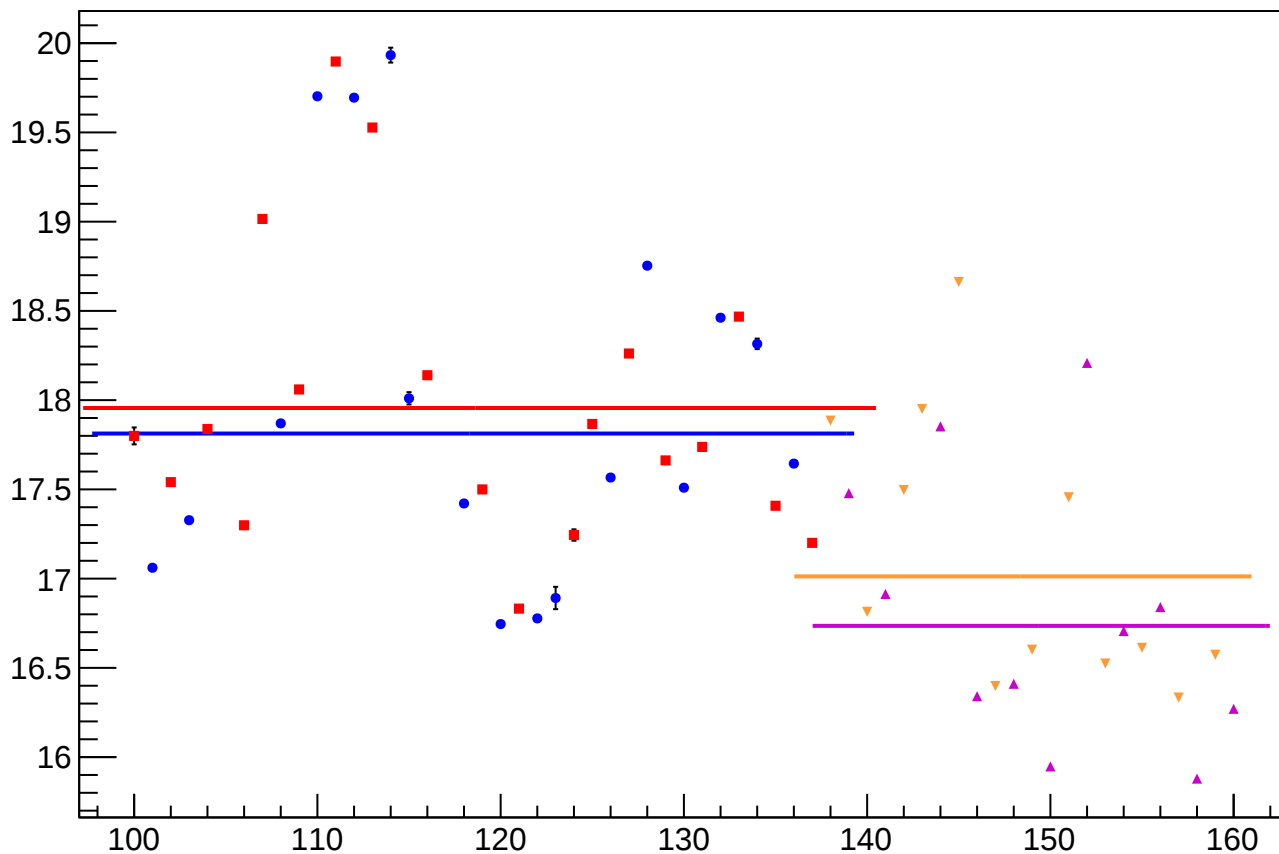
Right Out: -4.599 ± 6.725 χ^2/NDF : 21.1/18

Left In: 0.132 ± 5.606 χ^2/NDF : 13.4/10

-0.837 ± 4.381 χ^2/NDF : 10.7/28

-1.808 ± 4.306 χ^2/NDF : 34.7/29

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.813 ± 0.005 χ^2/NDF : 32034.8/16

Left Out: 17.013 ± 0.004 χ^2/NDF : 30354.6/11

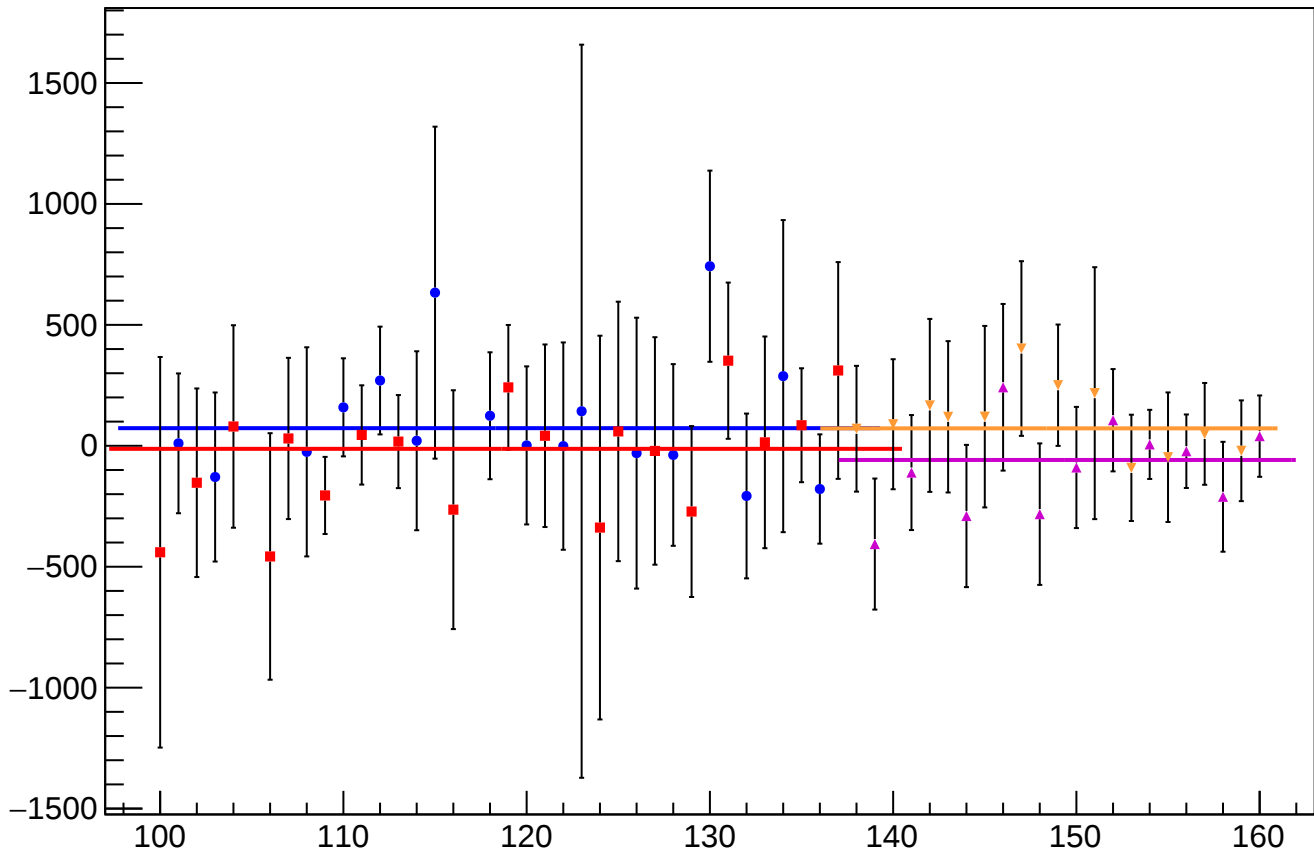
Right Out: 17.956 ± 0.005 χ^2/NDF : 25445.3/18

Left In: 16.735 ± 0.004 χ^2/NDF : 32060.2/10

17.338 ± 0.003 χ^2/NDF : 78495.5/28

17.236 ± 0.003 χ^2/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: 72.070+/-78.740 χ^2/NDF : 2.5/11

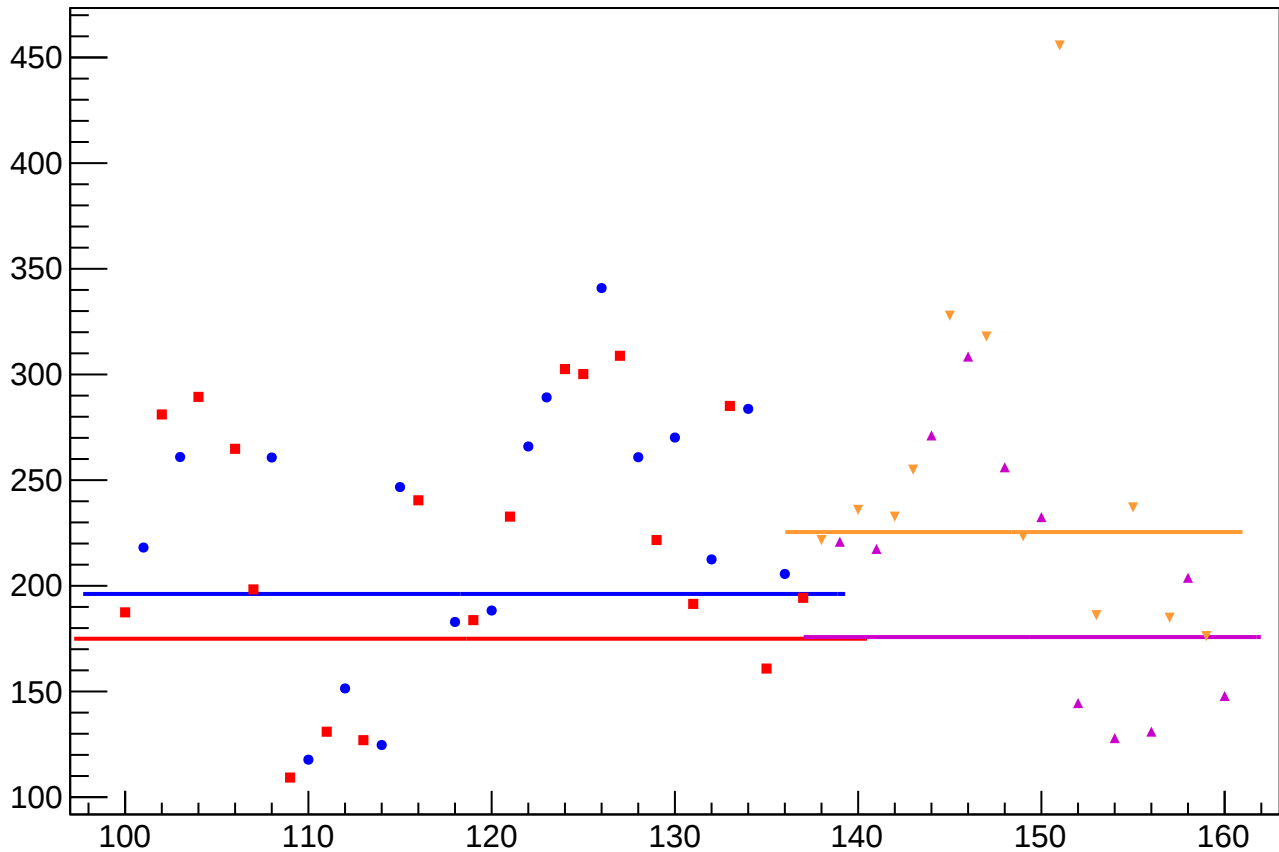
Right Out: -12.565+/-71.013 χ^2/NDF : 6.7/18

Left In: -58.559+/-63.466 χ^2/NDF : 5.3/10

72.473+/-56.100 χ^2/NDF : 9.7/28

-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: 225.437+/-0.056 χ^2/NDF : 947121.1/11

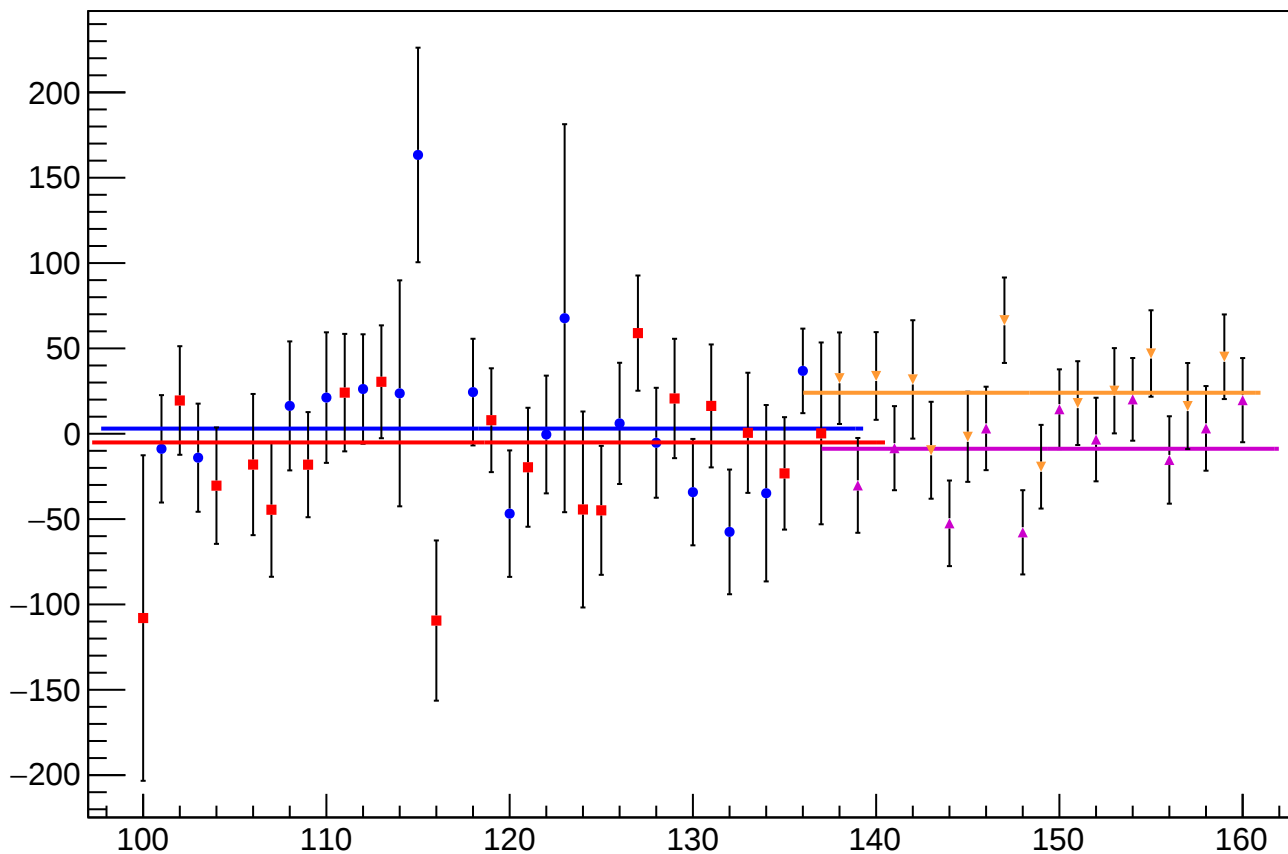
Right Out: 174.965+/-0.050 χ^2/NDF : 1510956.5/18

Left In: 175.749+/-0.045 χ^2/NDF : 1404001.9/10

211.017+/-0.040 χ^2/NDF : 2048345.6/28

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 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 24.018 ± 7.518 $\chi^2/\text{NDF}: 10.4/11$

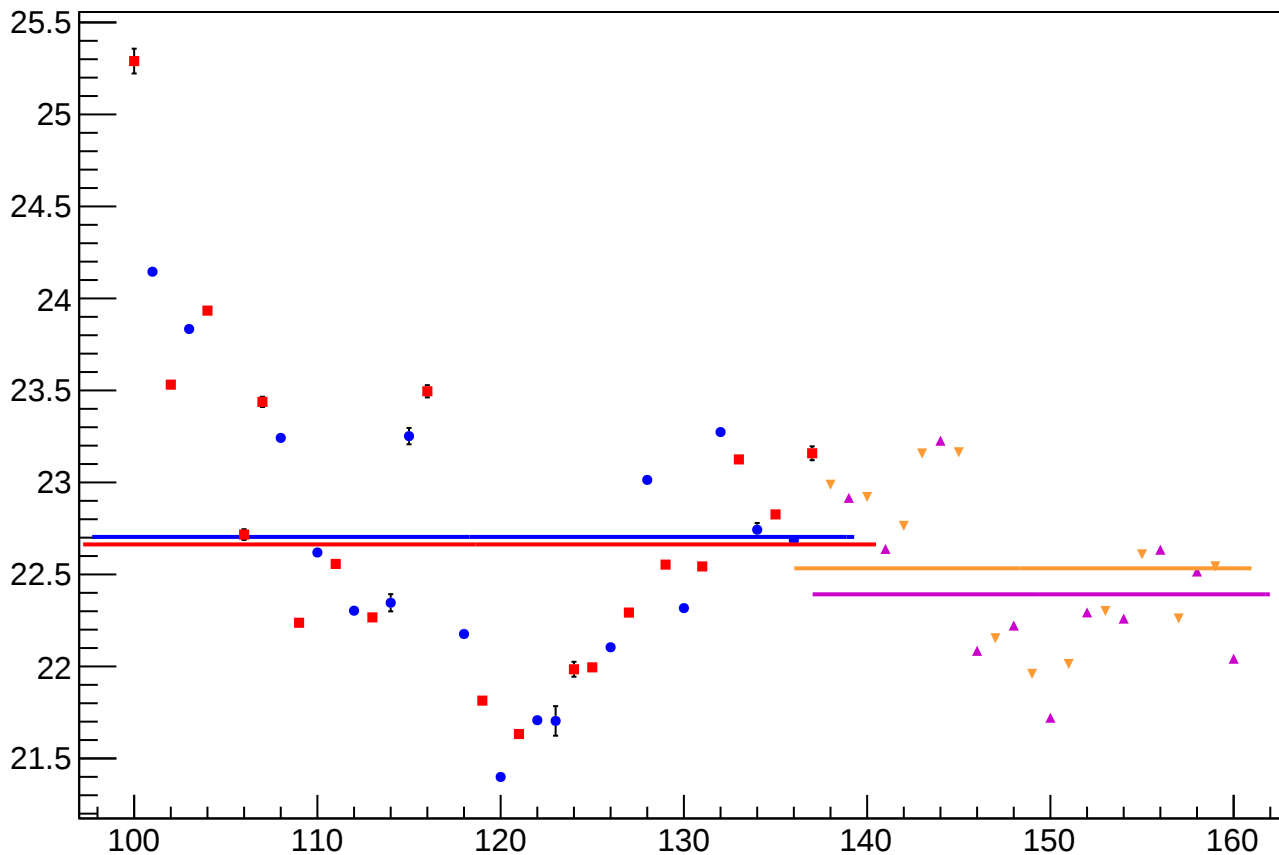
Right Out: -5.092 ± 8.477 $\chi^2/\text{NDF}: 17.2/18$

Left In: -8.797 ± 7.485 $\chi^2/\text{NDF}: 11.9/10$

15.103 ± 5.703 $\chi^2/\text{NDF}: 30.9/28$

-7.174 ± 5.611 $\chi^2/\text{NDF}: 29.2/29$

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: 22.533 ± 0.005 χ^2/NDF : 6101.7/11

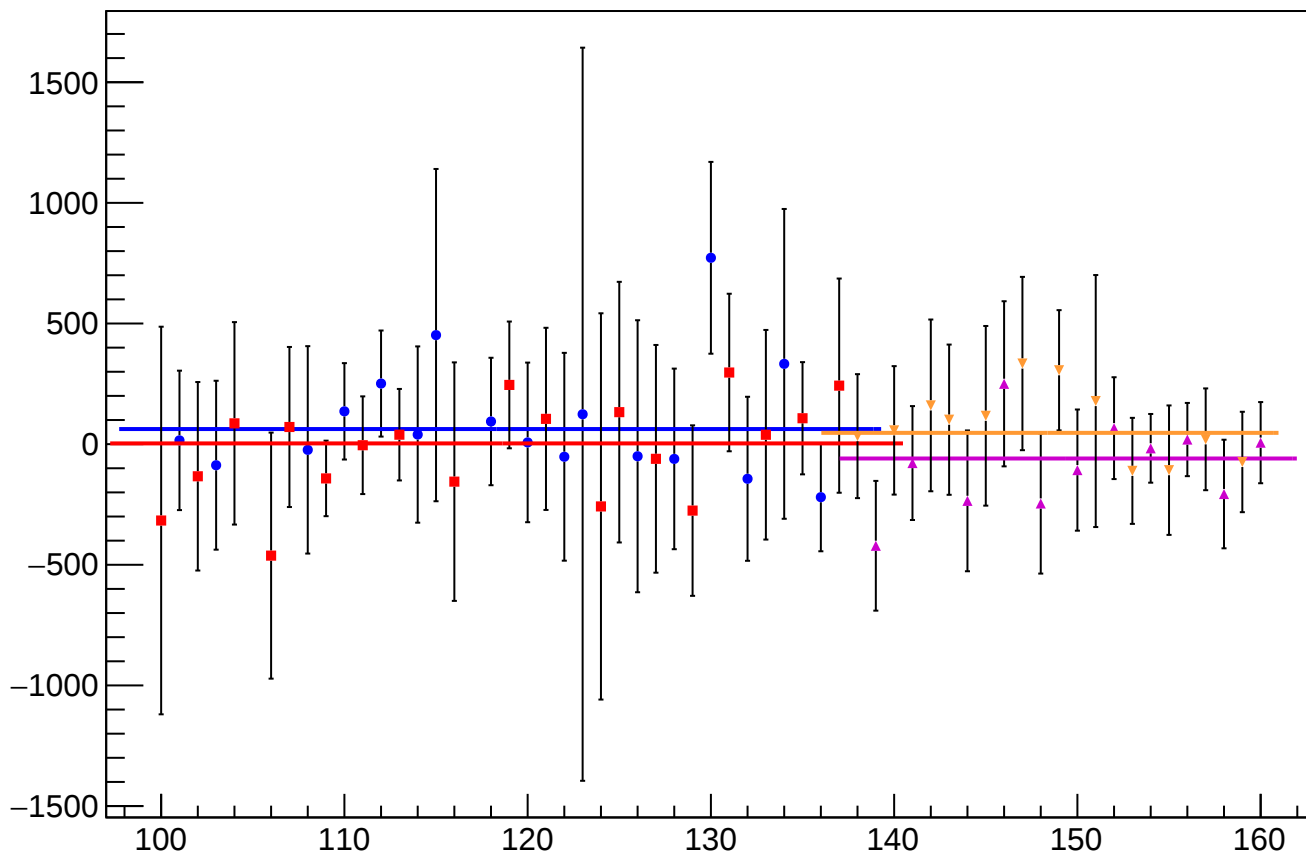
Right Out: 22.663 ± 0.006 χ^2/NDF : 12943.4/18

Left In: 22.392 ± 0.005 χ^2/NDF : 5912.2/10

22.606 ± 0.004 χ^2/NDF : 20644.9/28

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: 46.774+/-78.468 χ^2/NDF : 3.2/11

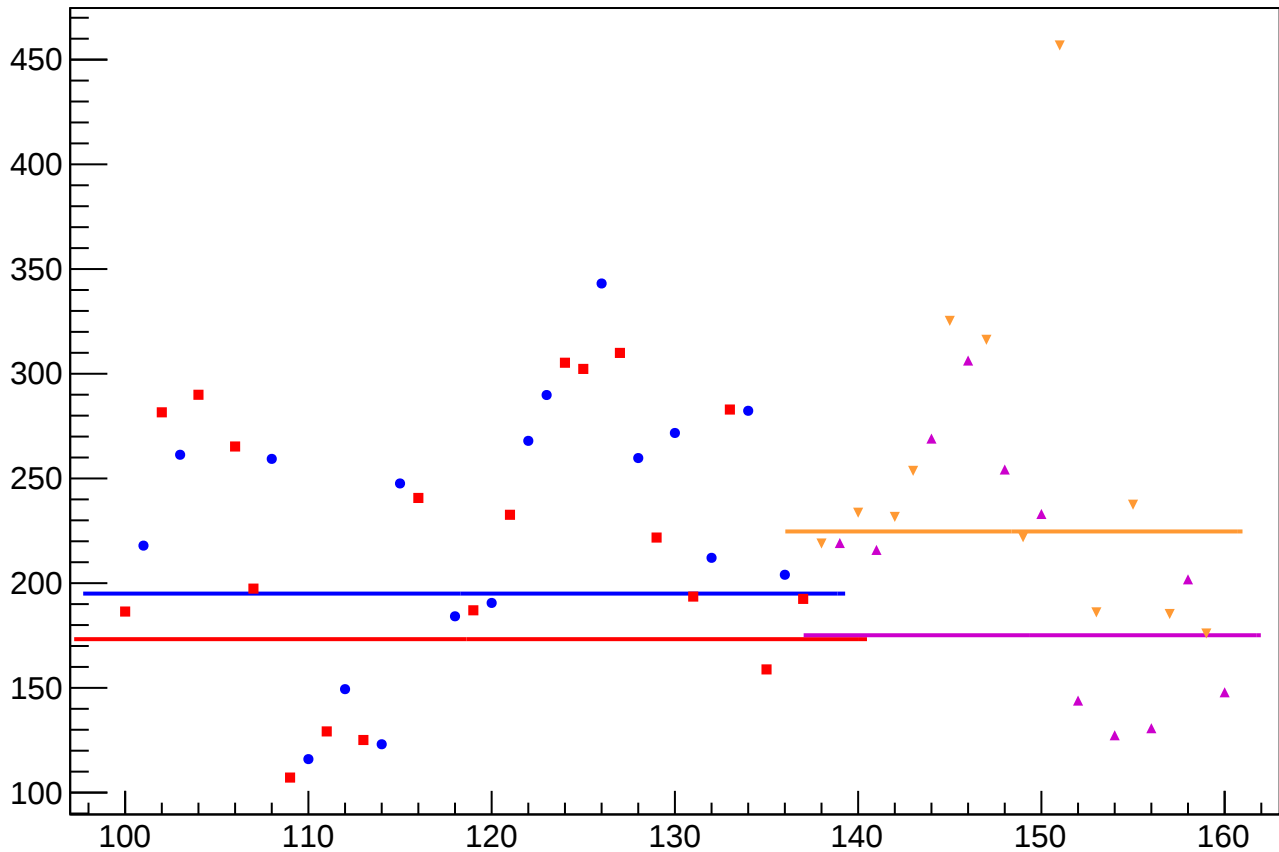
Right Out: 3.038+/-70.518 χ^2/NDF : 5.2/18

Left In: -59.503+/-63.235 χ^2/NDF : 4.7/10

54.560+/-55.883 χ^2/NDF : 10.2/28

-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+/-0.056 χ^2/NDF : 1004284.9/16

Left Out: 224.690+/-0.055 χ^2/NDF :938269.9/11

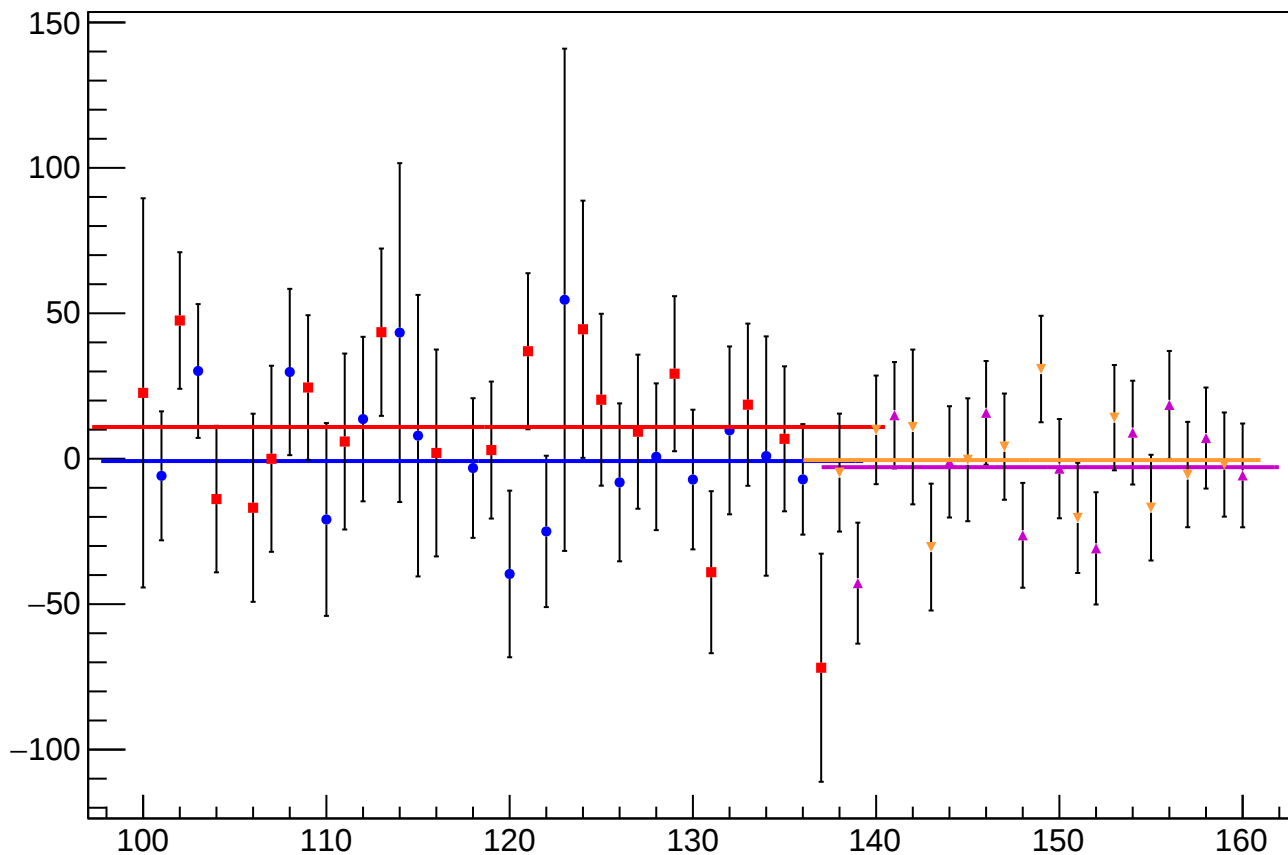
210.069+/-0.040 χ^2/NDF : 2083451.7/28

Right Out: 173.262+/-0.050 χ^2/NDF : 1578202.7/18

174.299+/-0.033 χ^2/NDF : 2968708.3/29

Left In: 175.132+/-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 χ^2/NDF : 7.8/16

Left Out: -0.473 ± 5.584 χ^2/NDF : 8.1/11

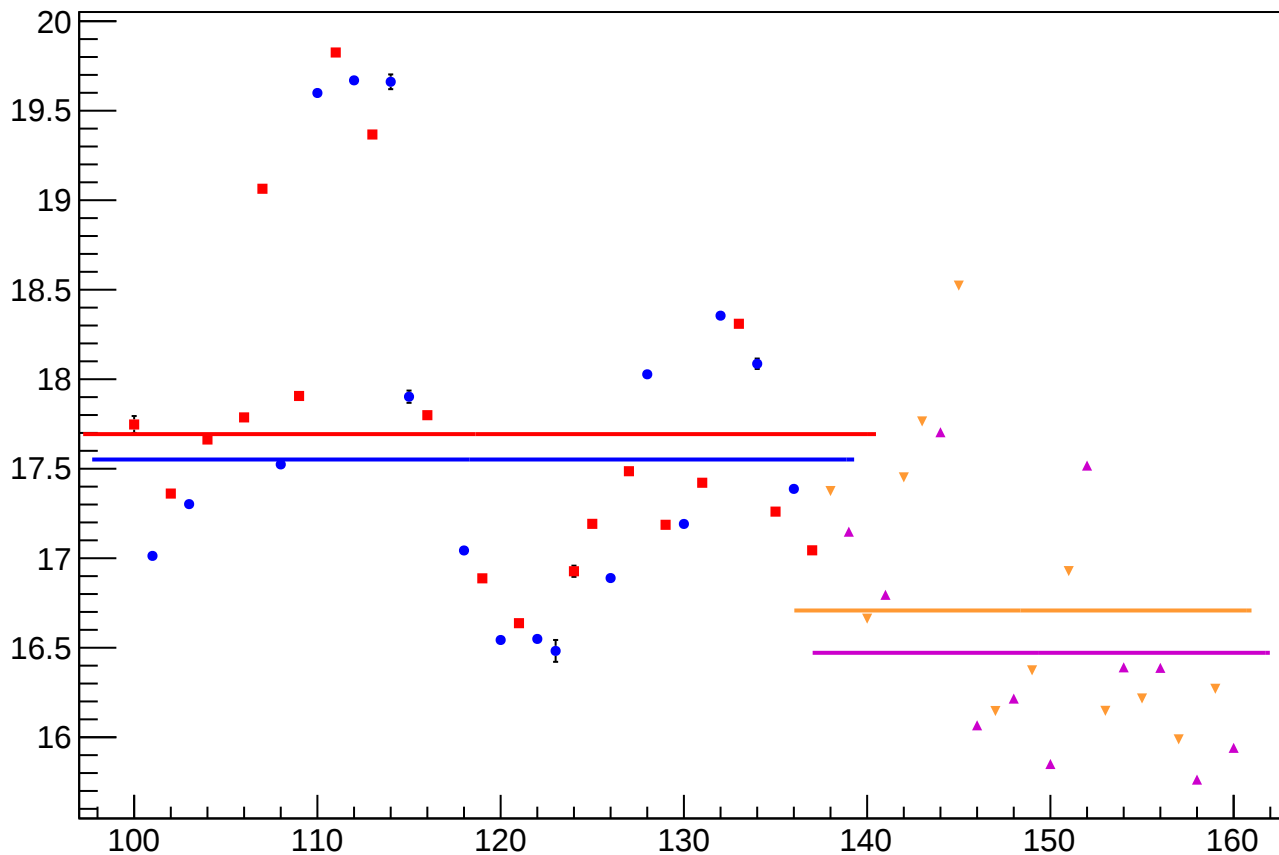
Right Out: 10.912 ± 6.626 χ^2/NDF : 15.9/18

Left In: -2.904 ± 5.515 χ^2/NDF : 11.7/10

-0.606 ± 4.308 χ^2/NDF : 15.8/28

2.749 ± 4.239 χ^2/NDF : 30.2/29

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.552+/-0.005 χ^2/NDF : 34027.1/16

Left Out: 16.708+/-0.004 χ^2/NDF : 33743.6/11

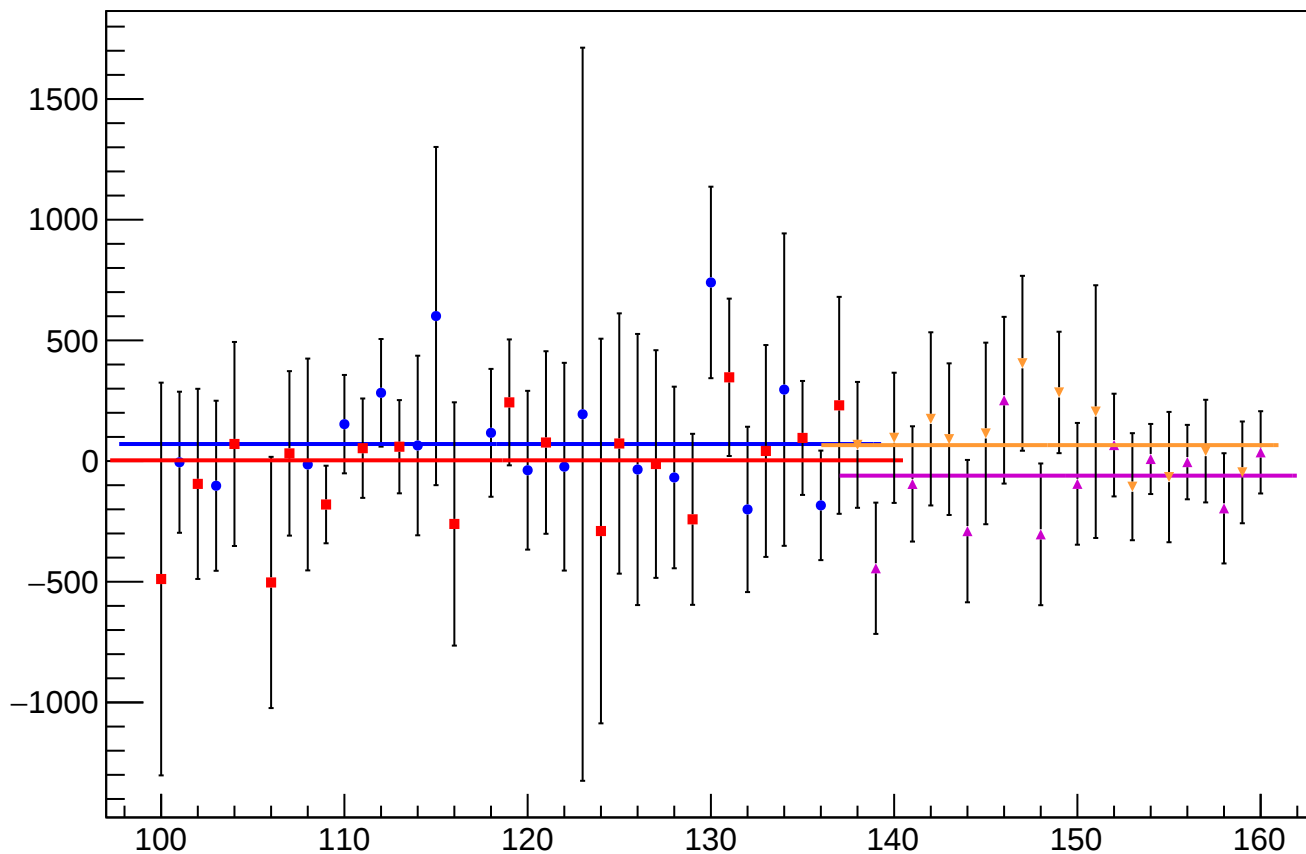
Right Out: 17.693+/-0.005 χ^2/NDF : 30742.0/18

Left In: 16.472+/-0.004 χ^2/NDF : 26182.9/10

17.050+/-0.003 χ^2/NDF : 86244.9/28

16.972+/-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: 66.059+/-79.266 χ^2/NDF : 3.0/11

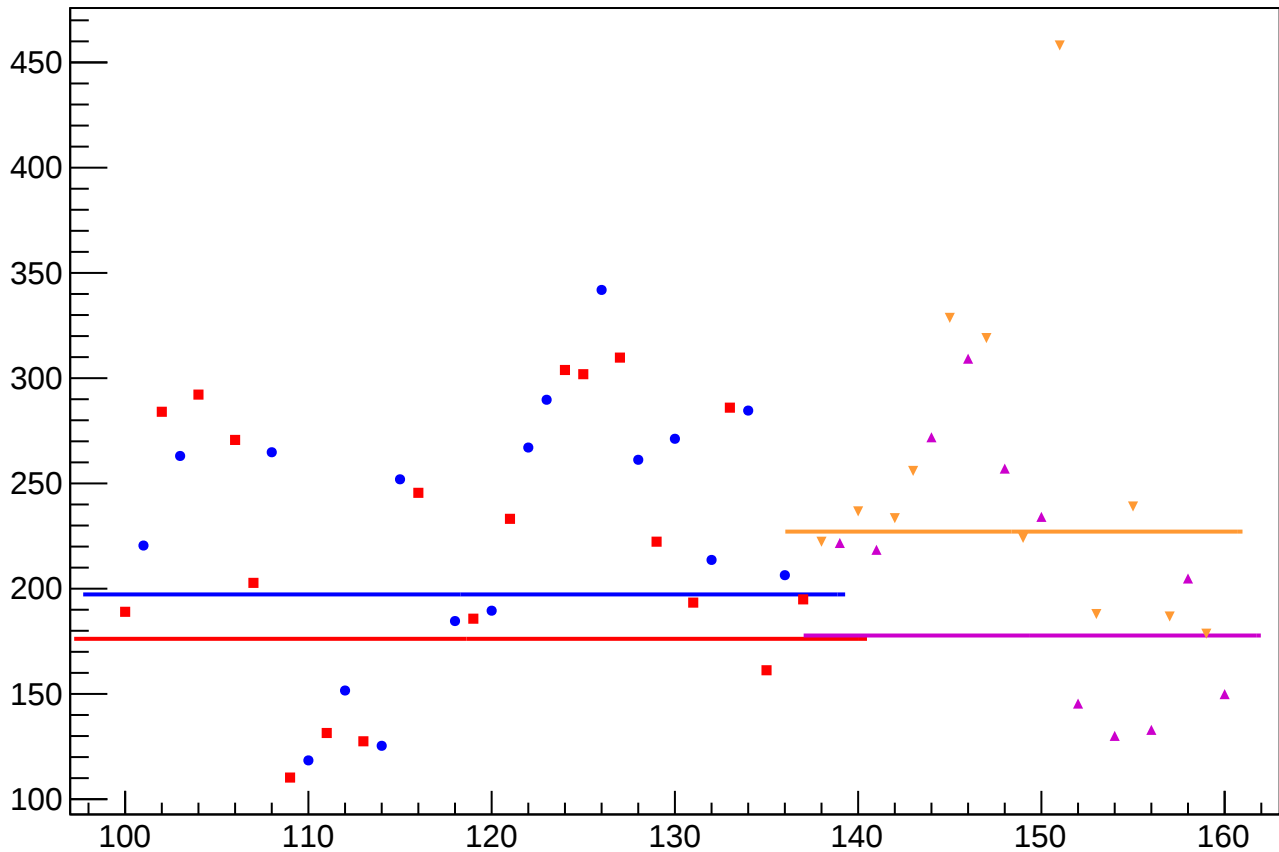
Right Out: 3.063+/-71.508 χ^2/NDF : 6.2/18

Left In: -60.430+/-64.092 χ^2/NDF : 5.5/10

68.314+/-56.449 χ^2/NDF : 10.2/28

-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 $\pm$ 0.057 χ^2 /NDF: 969549.7/16

Left Out: 227.115 $\pm$ 0.056 χ^2 /NDF: 928678.9/11

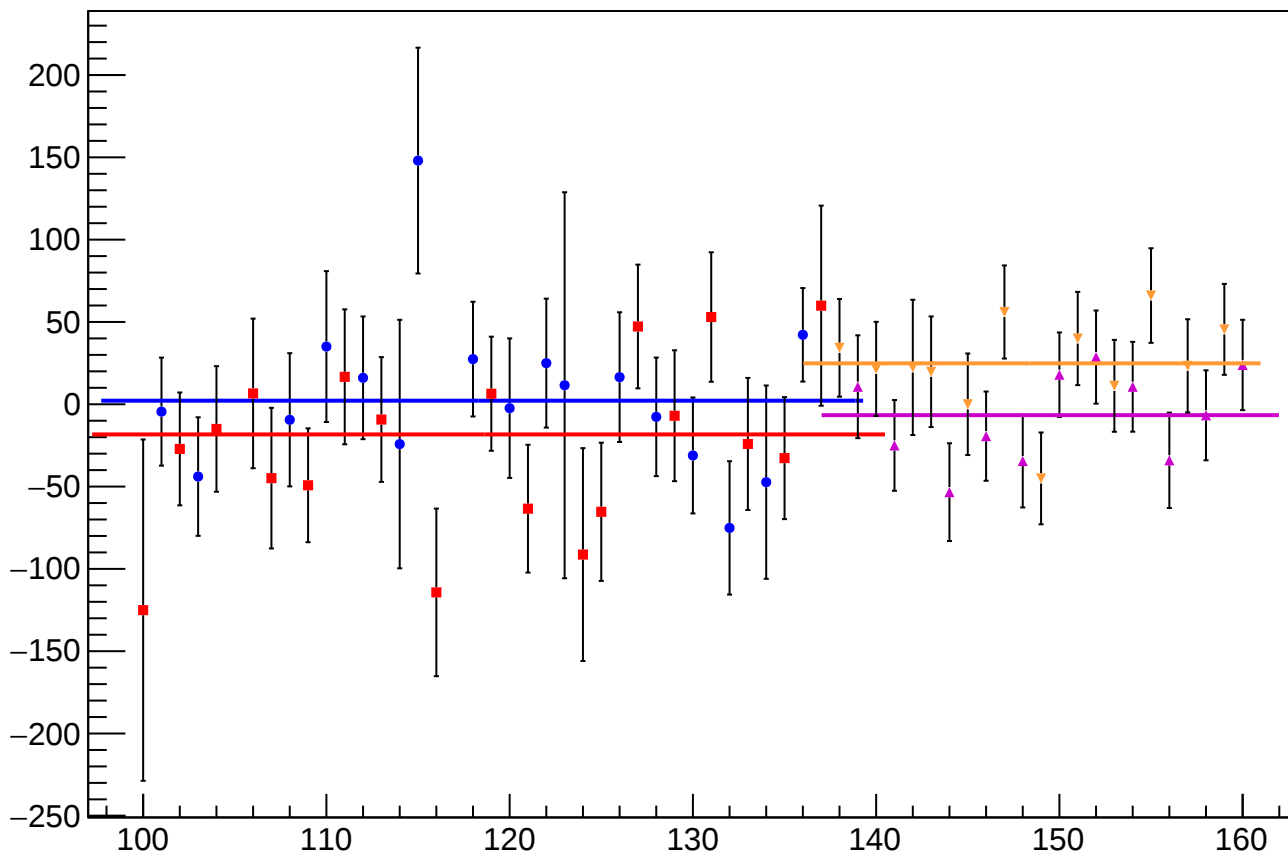
Right Out: 176.181 $\pm$ 0.051 χ^2 /NDF: 1519707.5/18

Left In: 177.752 $\pm$ 0.045 χ^2 /NDF: 1362287.1/10

212.407 $\pm$ 0.040 χ^2 /NDF: 2037955.9/28

177.052 $\pm$ 0.034 χ^2 /NDF: 2882530.2/29

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.178 $\pm$ 9.825 χ^2/NDF : 15.4/16

Left Out: 24.857 $\pm$ 8.535 χ^2/NDF : 11.4/11

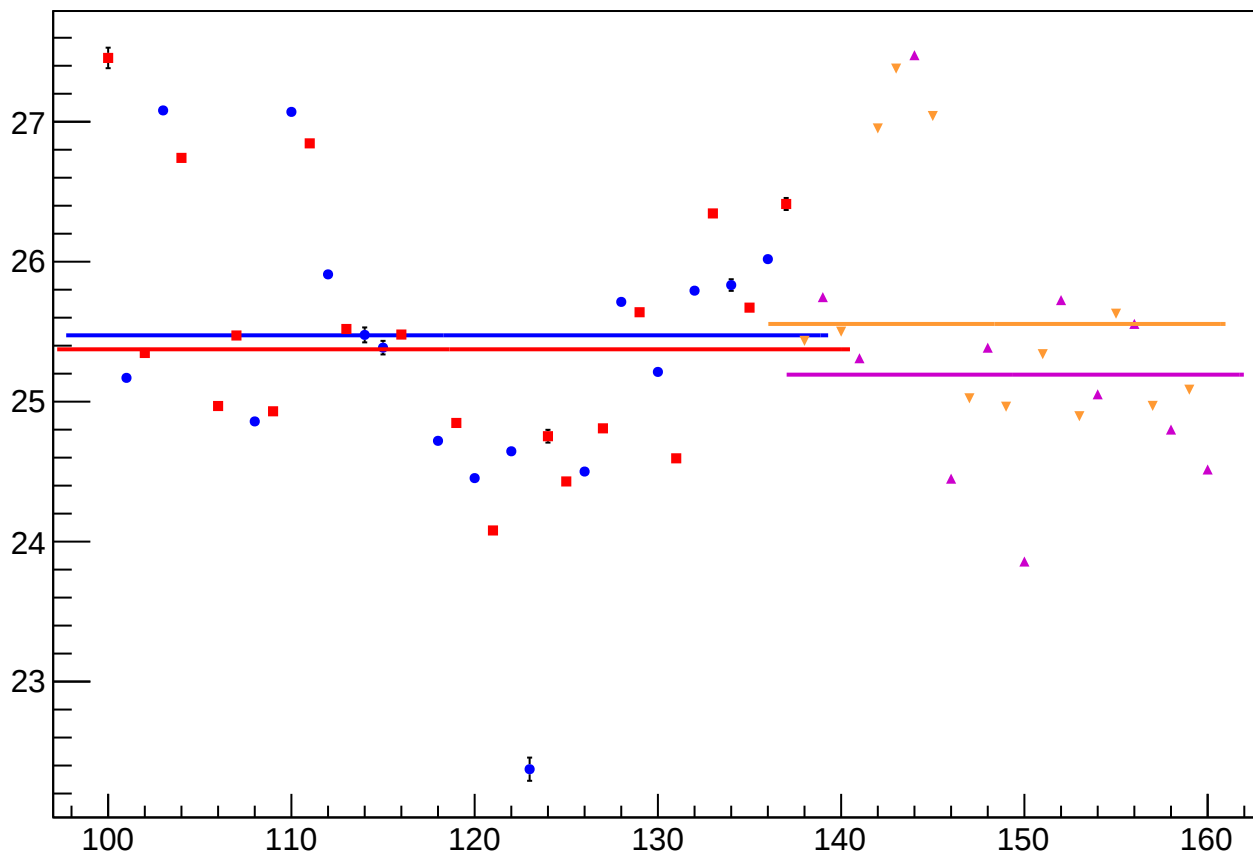
Right Out: -18.320 $\pm$ 9.497 χ^2/NDF : 19.6/18

Left In: -6.599 $\pm$ 8.432 χ^2/NDF : 9.4/10

15.103 $\pm$ 6.443 χ^2/NDF : 29.8/28

-11.766 $\pm$ 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: 25.555 ± 0.006 χ^2/NDF : 17174.0/11

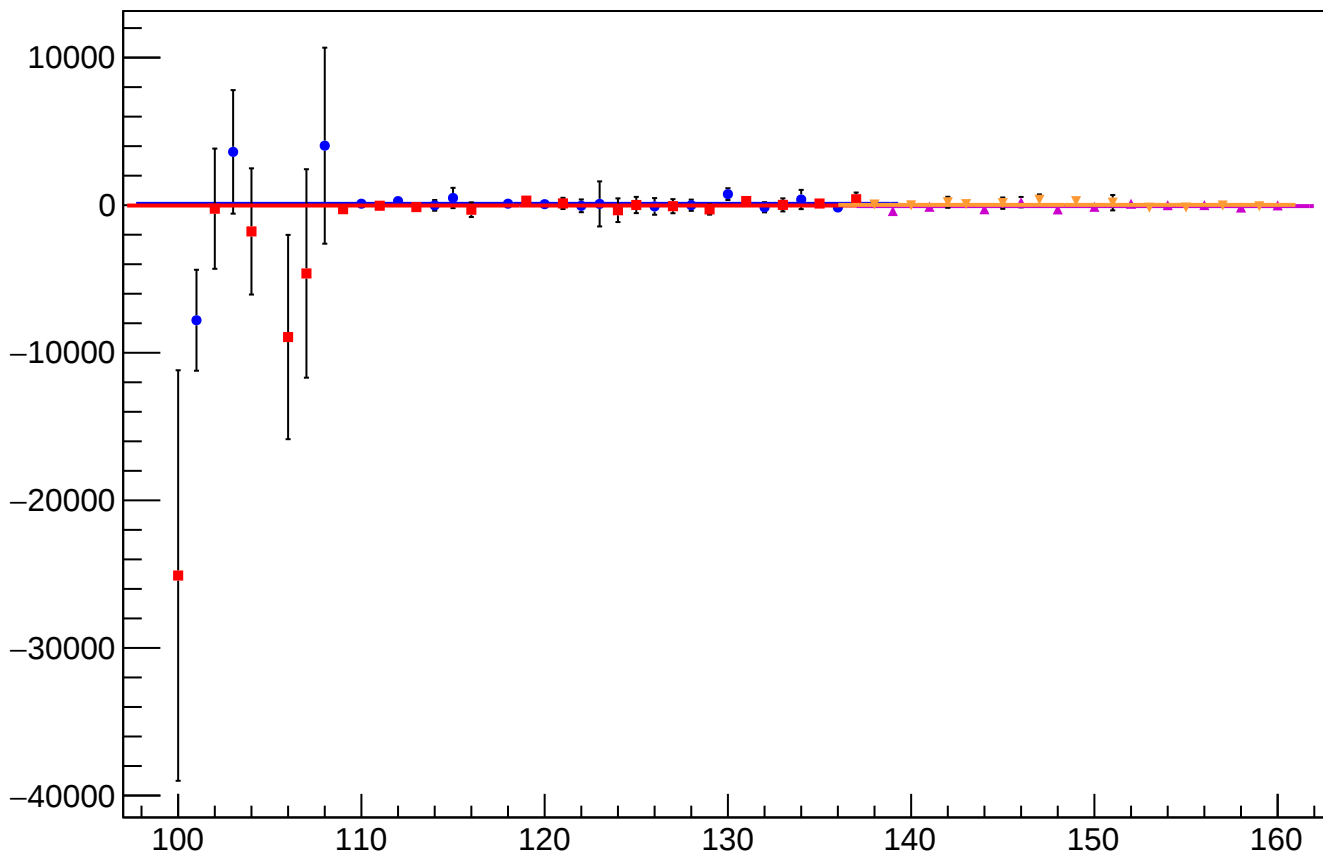
Right Out: 25.374 ± 0.007 χ^2/NDF : 13581.2/18

Left In: 25.193 ± 0.006 χ^2/NDF : 22198.4/10

25.520 ± 0.005 χ^2/NDF : 31313.1/28

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+/-87.630 χ^2/NDF : 12.3/16

Left Out: 21.987+/-81.013 χ^2/NDF : 3.6/11

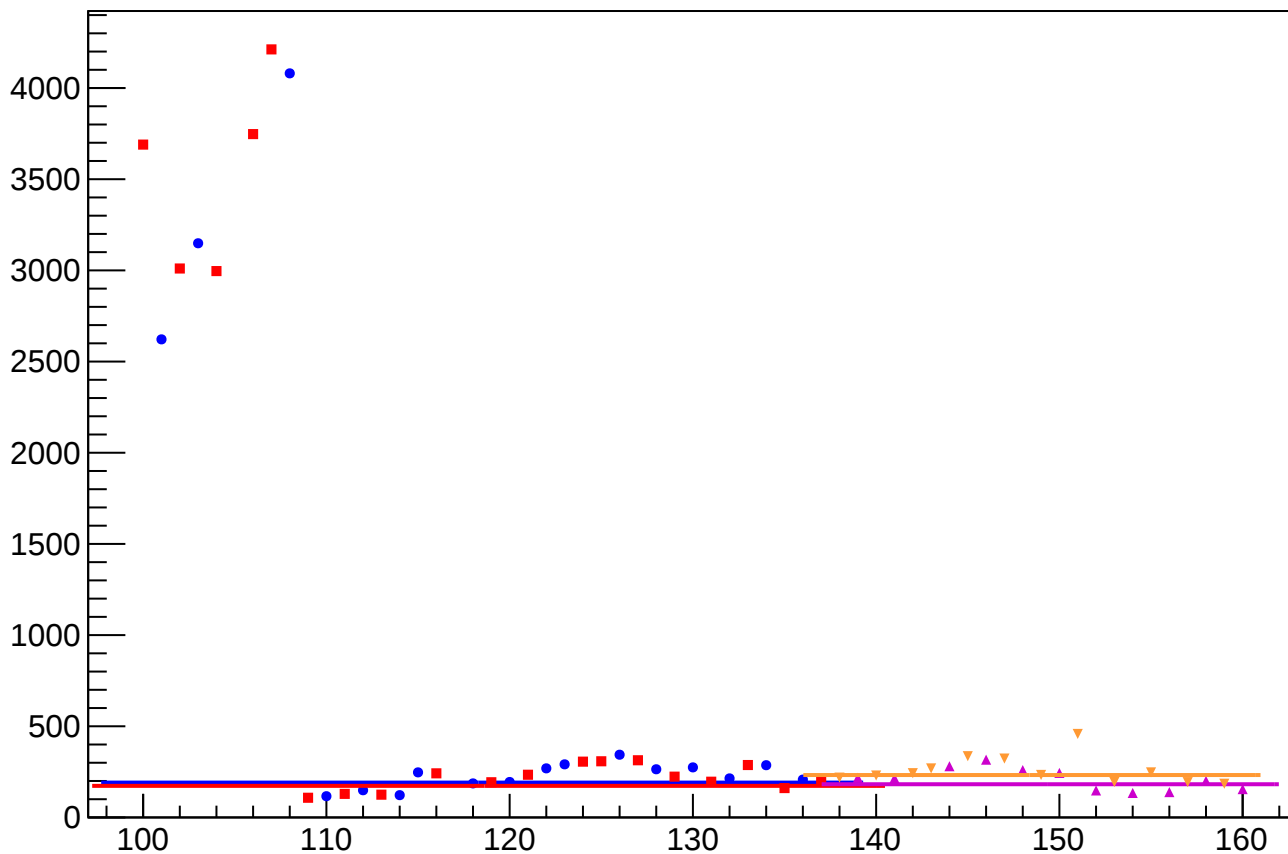
Right Out: -22.614+/-80.902 χ^2/NDF : 11.9/18

Left In: -62.499+/-65.464 χ^2/NDF : 4.4/10

53.153+/-59.487 χ^2/NDF : 16.2/28

-46.717+/-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: 232.613+/-0.057 χ^2/NDF : 891208.3/11

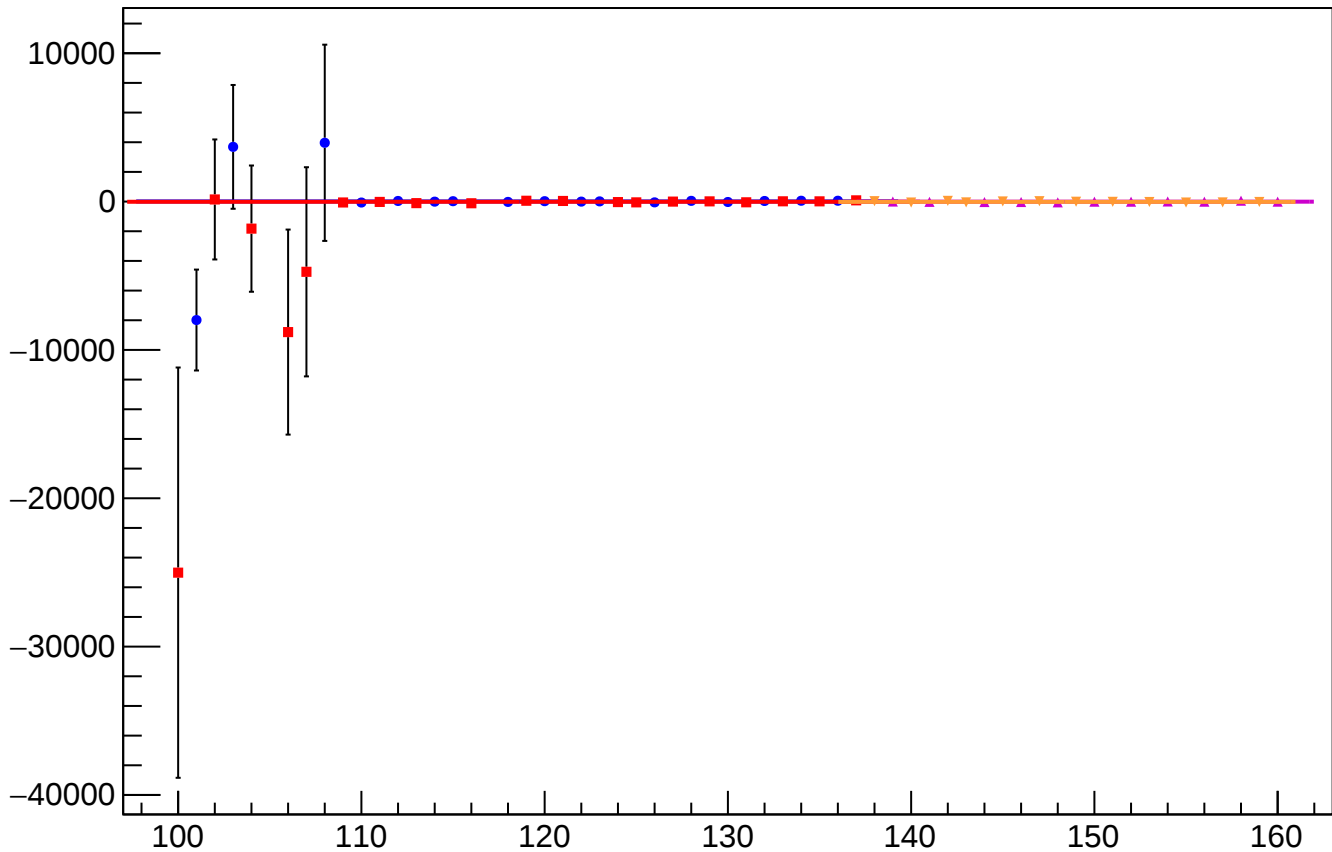
Right Out: 173.269+/-0.057 χ^2/NDF : 4207191.5/18

Left In: 182.147+/-0.046 χ^2/NDF : 1277624.4/10

213.524+/-0.042 χ^2/NDF : 4703907.8/28

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: -19.409 ± 10.000 χ^2/NDF : 11.9/11

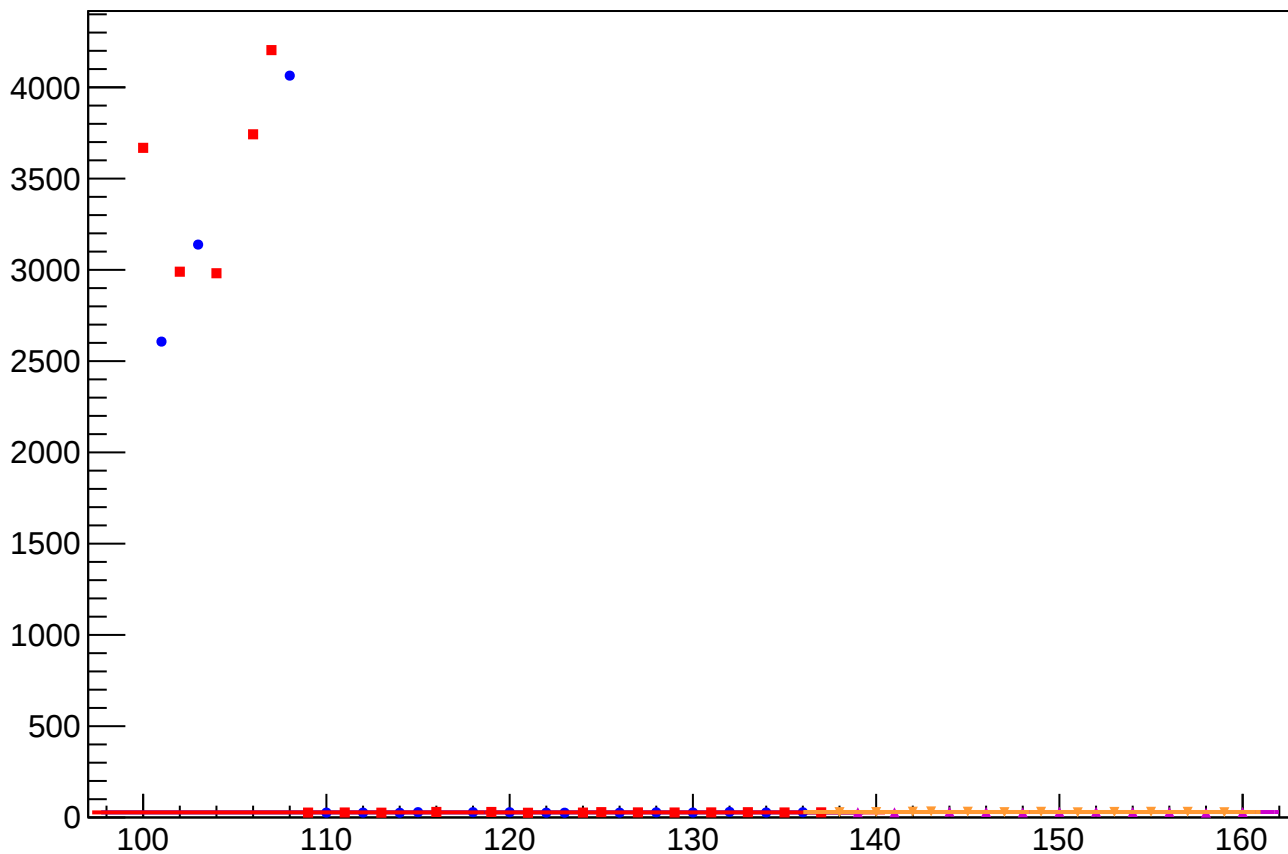
Right Out: -12.947 ± 12.227 χ^2/NDF : 24.4/18

Left In: -6.220 ± 9.971 χ^2/NDF : 8.5/10

-7.418 ± 7.731 χ^2/NDF : 33.8/28

-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+/-0.009 χ^2/NDF : 3026887.2/16

Left Out: 29.895+/-0.007 χ^2/NDF : 36399.5/11

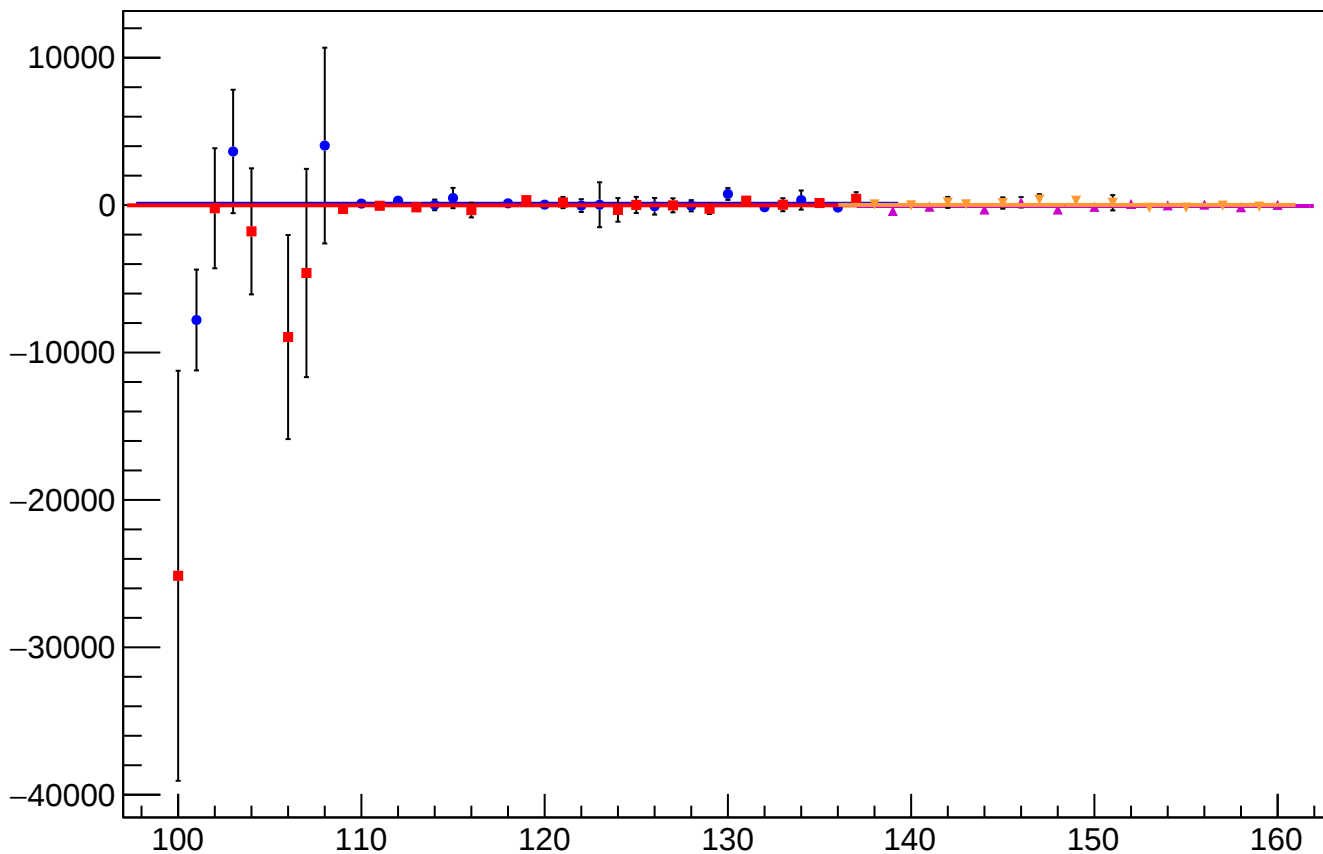
Right Out: 27.694+/-0.009 χ^2/NDF : 3476801.0/18

Left In: 29.721+/-0.007 χ^2/NDF : 57501.0/10

29.067+/-0.005 χ^2/NDF : 3097374.5/28

28.912+/-0.005 χ^2/NDF : 3567324.8/29

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 92.840+/-87.359 χ^2/NDF : 12.6/16

Left Out: 16.539+/-80.829 χ^2/NDF : 4.1/11

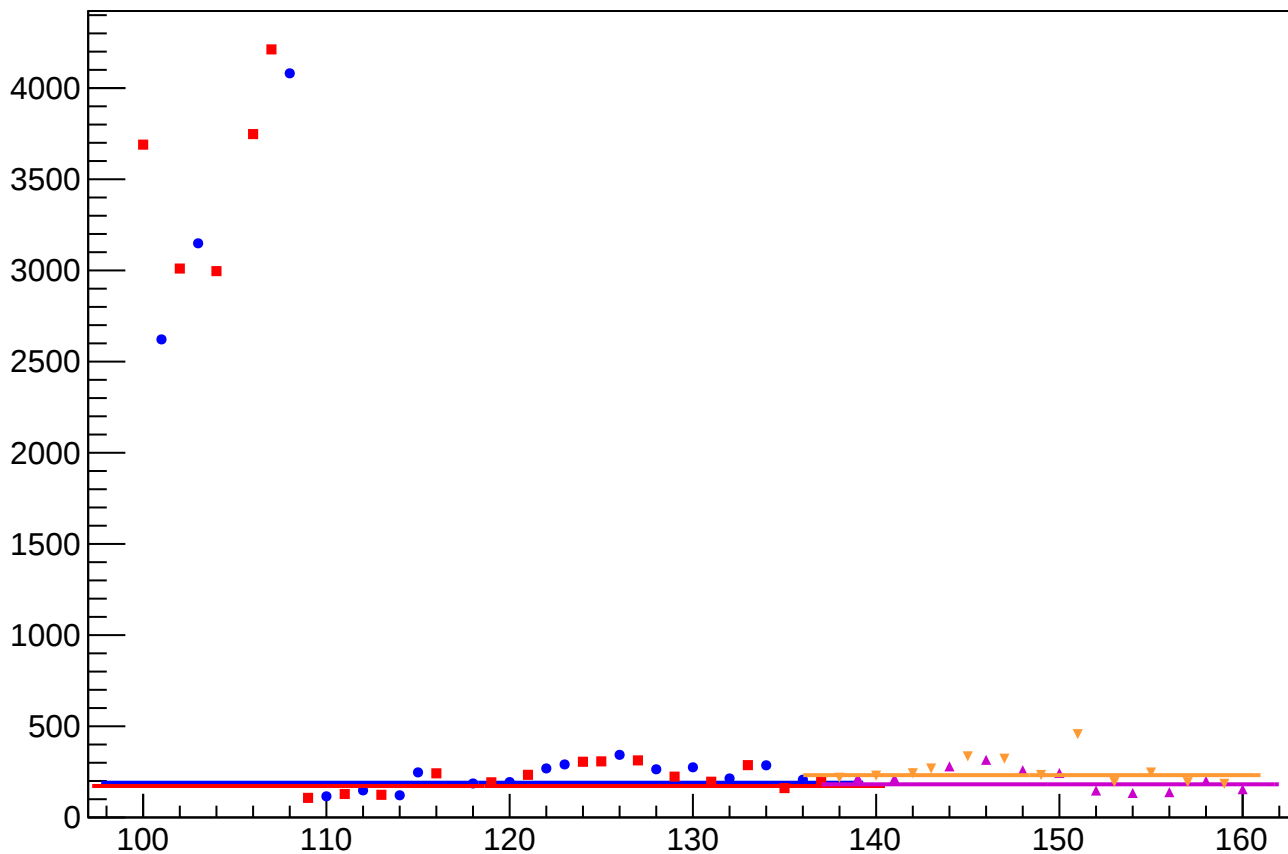
Right Out: -12.772+/-80.640 χ^2/NDF : 12.7/18

Left In: -59.627+/-65.333 χ^2/NDF : 4.6/10

51.732+/-59.329 χ^2/NDF : 17.1/28

-41.059+/-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: 232.087+/-0.057 χ^2/NDF : 891269.5/11

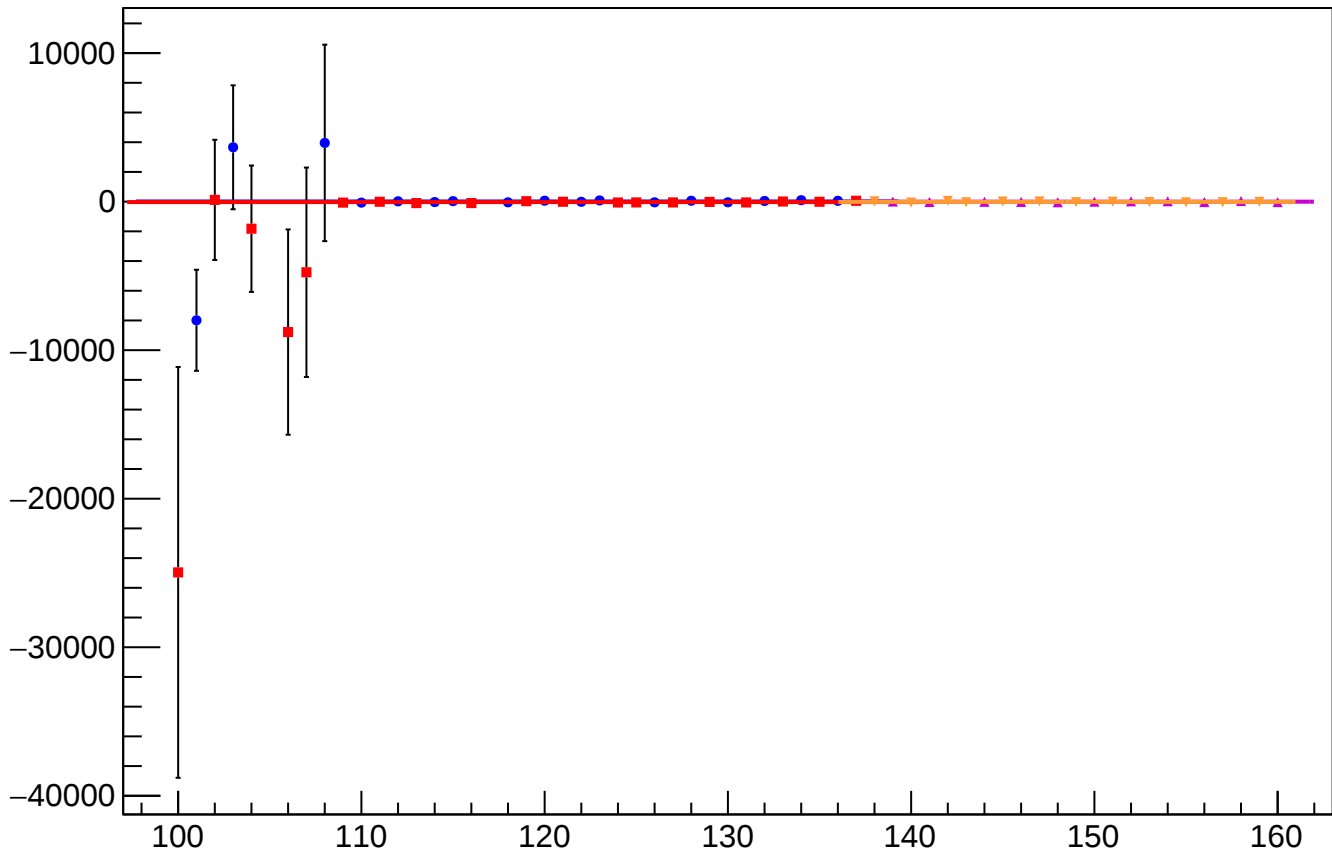
Right Out: 172.601+/-0.057 χ^2/NDF : 4218384.5/18

Left In: 181.784+/-0.046 χ^2/NDF : 1277820.9/10

212.899+/-0.042 χ^2/NDF : 4719200.9/28

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+/-12.273 χ^2/NDF : 23.2/16

Left Out: -17.102+/-10.079 χ^2/NDF : 8.8/11

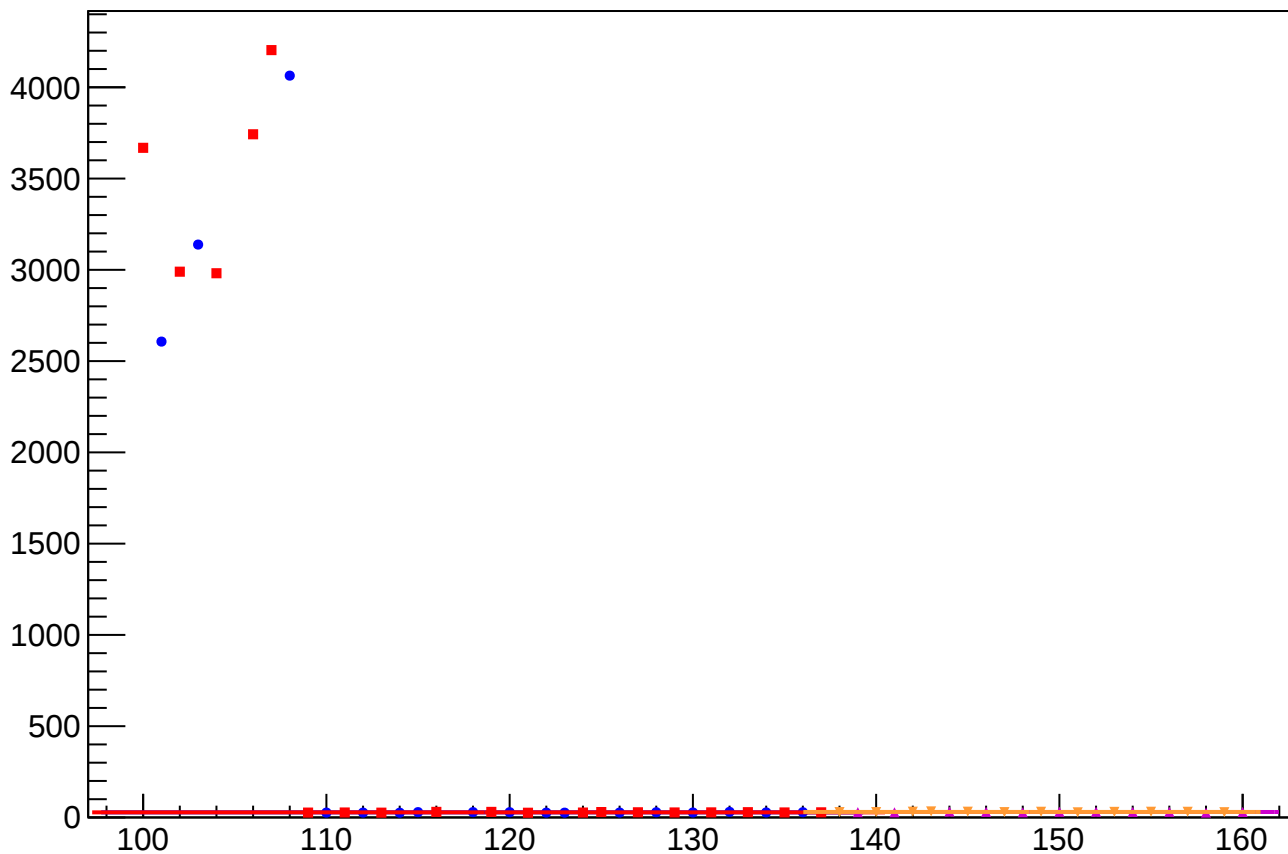
Right Out: -29.627+/-12.328 χ^2/NDF : 16.5/18

Left In: -3.636+/-10.030 χ^2/NDF : 7.2/10

-6.346+/-7.789 χ^2/NDF : 34.8/28

-13.988+/-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: 30.128+/-0.007 χ^2/NDF : 38258.1/11

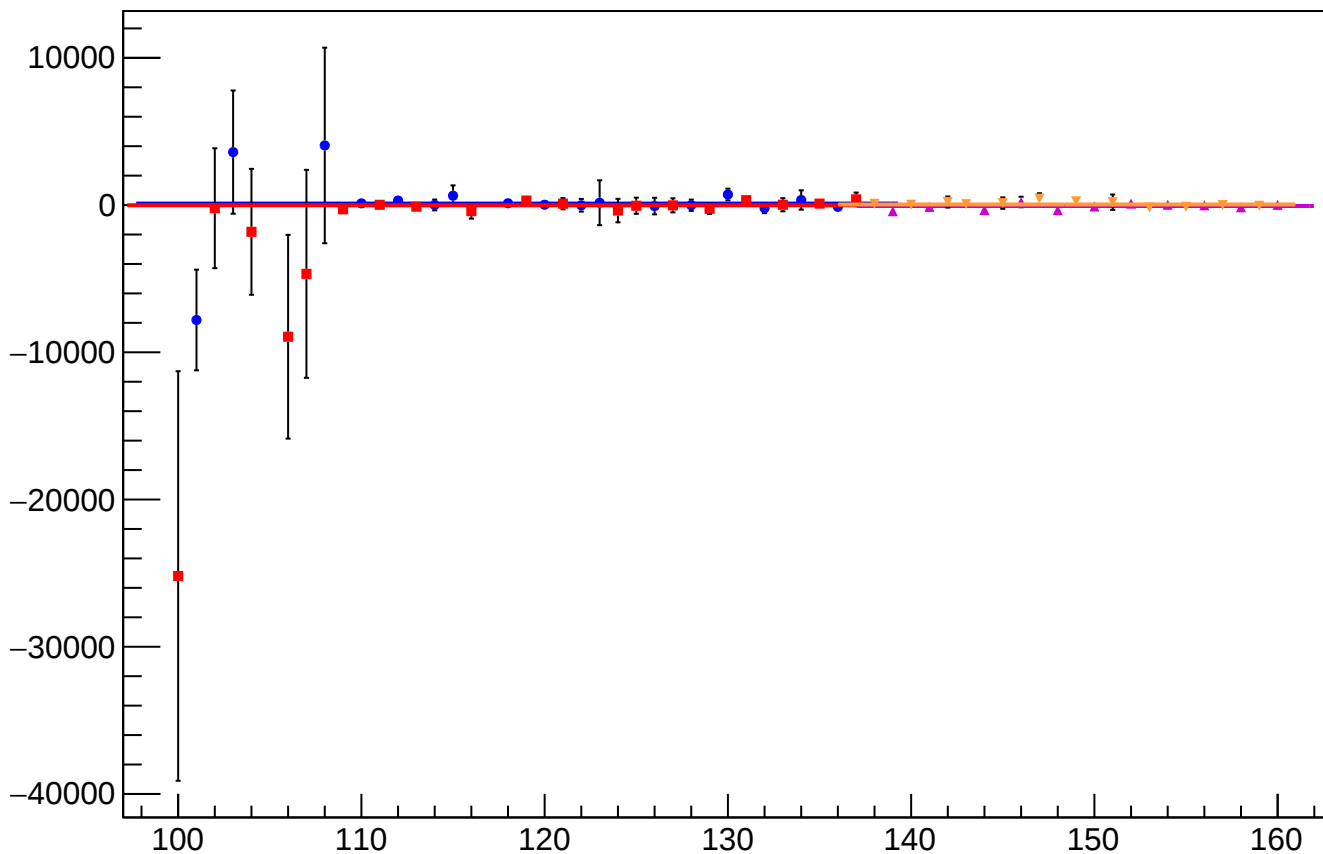
Right Out: 27.917+/-0.009 χ^2/NDF : 3479610.6/18

Left In: 29.902+/-0.007 χ^2/NDF : 59381.2/10

29.280+/-0.006 χ^2/NDF : 3100410.4/28

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: 41.338 $\pm$ 81.809 χ^2 /NDF: 3.5/11

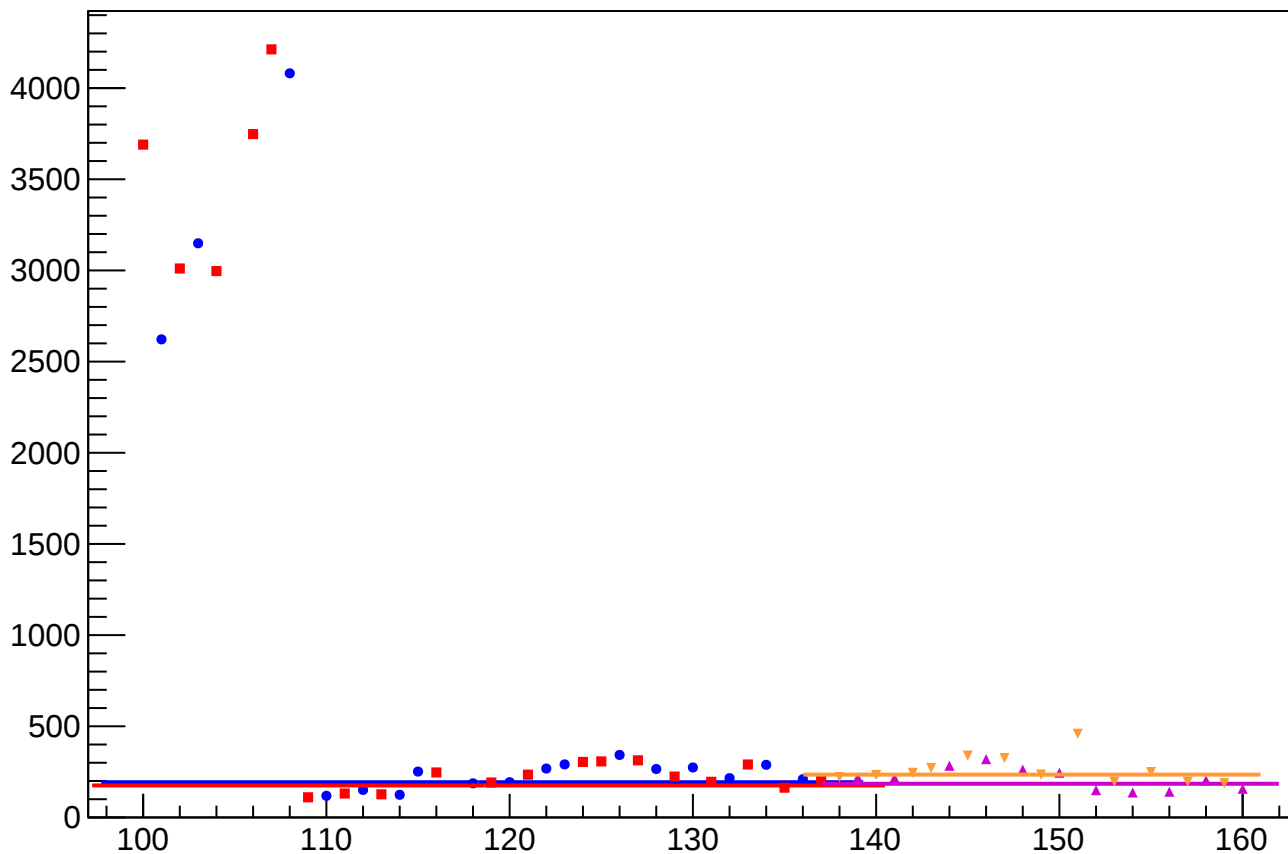
Right Out: -11.229 $\pm$ 81.728 χ^2 /NDF: 12.2/18

Left In: -63.526 $\pm$ 66.314 χ^2 /NDF: 5.3/10

69.221 $\pm$ 60.040 χ^2 /NDF: 16.1/28

-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: 235.037+/-0.058 χ^2/NDF : 881309.4/11

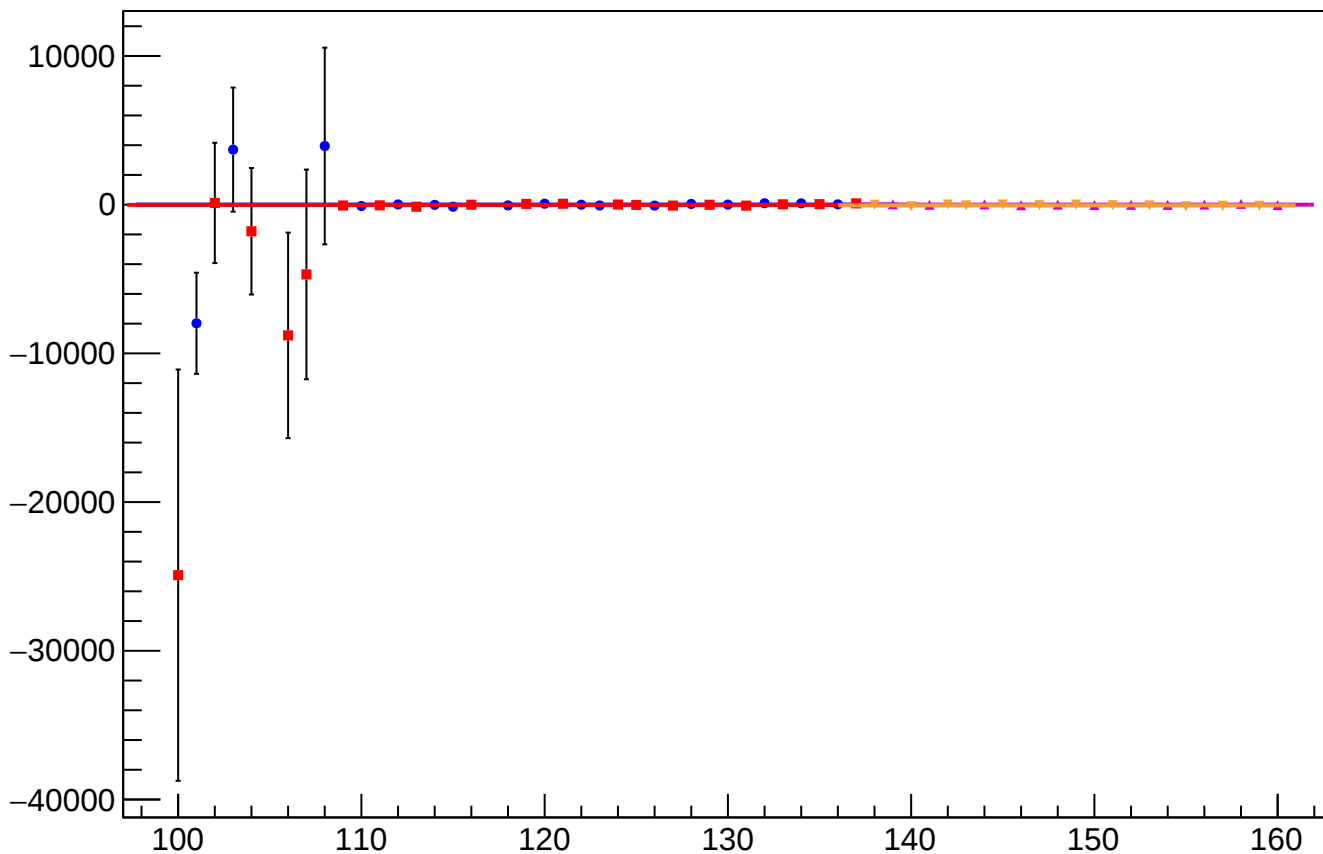
Right Out: 175.485+/-0.058 χ^2/NDF : 4165391.7/18

Left In: 184.748+/-0.047 χ^2/NDF : 1252645.1/10

215.729+/-0.042 χ^2/NDF : 4658879.2/28

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: -45.805+/-11.828 χ^2 /NDF:11.7/11

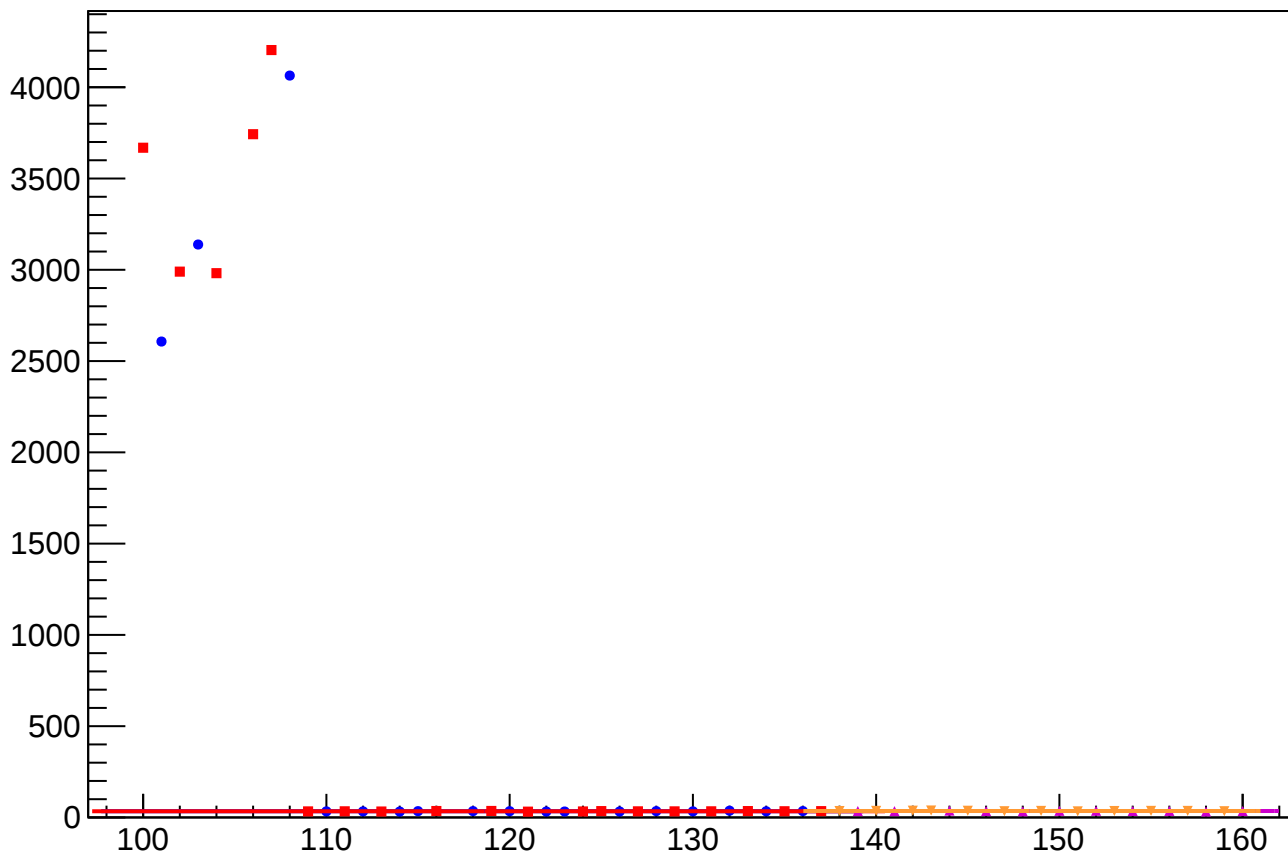
Right Out: -12.487+/-14.947 χ^2 /NDF: 21.7/18

Left In: 1.869+/-11.823 χ^2 /NDF:4.9/10

-26.357+/-9.272 χ^2 /NDF: 39.1/28

-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: 35.404+/-0.008 χ^2/NDF : 22047.8/11

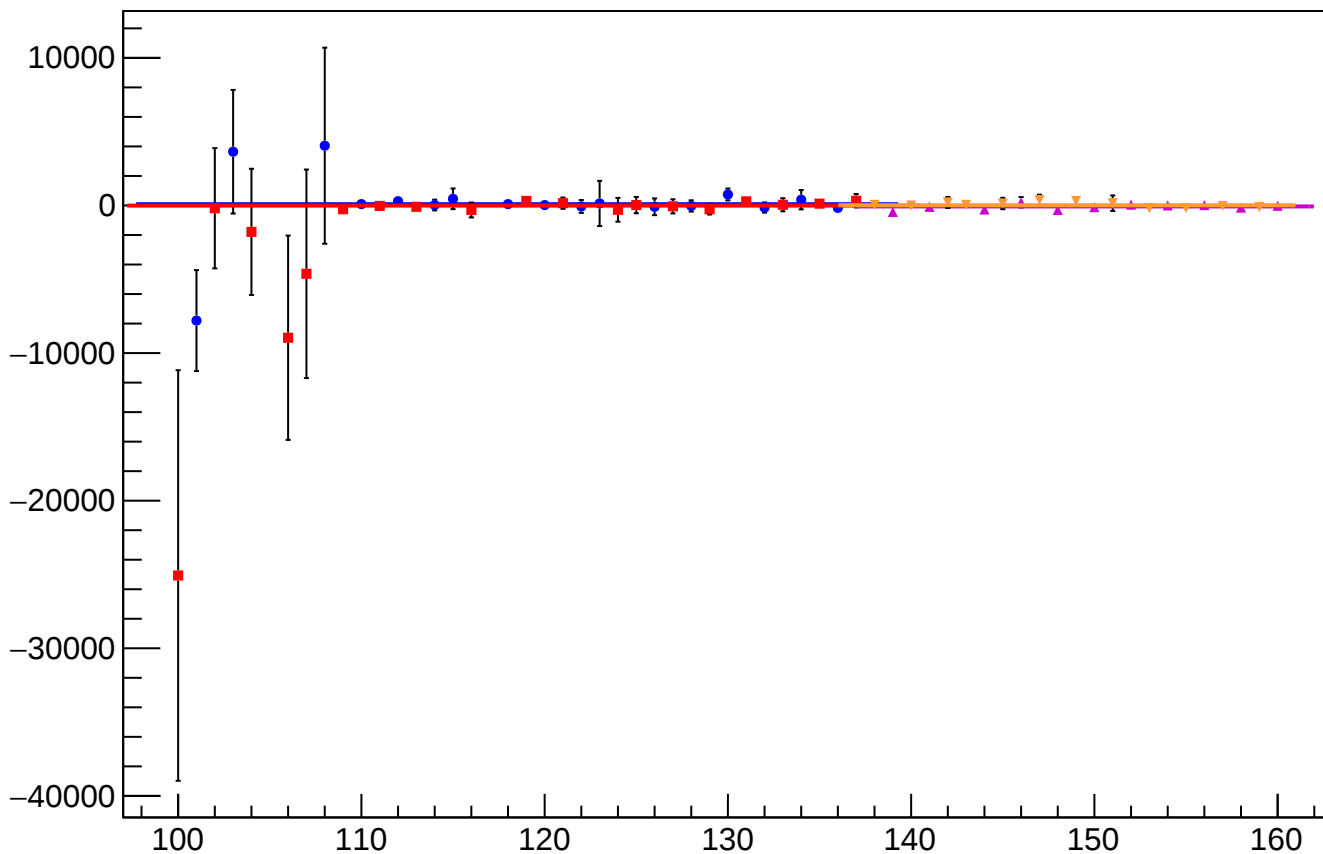
Right Out: 33.913+/-0.011 χ^2/NDF : 3451888.1/18

Left In: 35.313+/-0.008 χ^2/NDF : 24667.1/10

34.916+/-0.007 χ^2/NDF : 3037141.9/28

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: 16.306+/-81.530 χ^2/NDF : 4.2/11

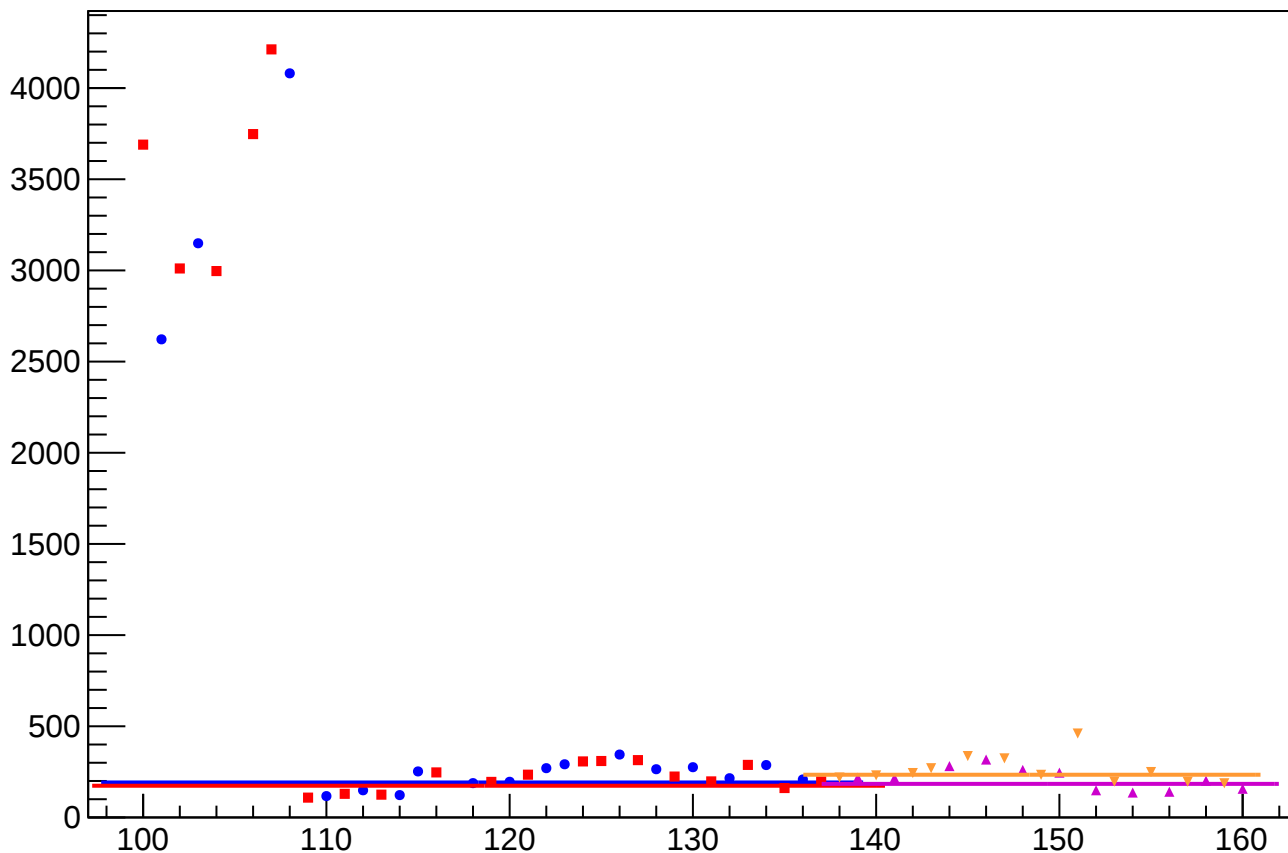
Right Out: -7.296+/-81.208 χ^2/NDF : 11.1/18

Left In: -64.705+/-66.089 χ^2/NDF : 4.7/10

48.537+/-59.790 χ^2/NDF : 16.9/28

-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: 234.254+/-0.058 χ^2/NDF : 875021.2/11

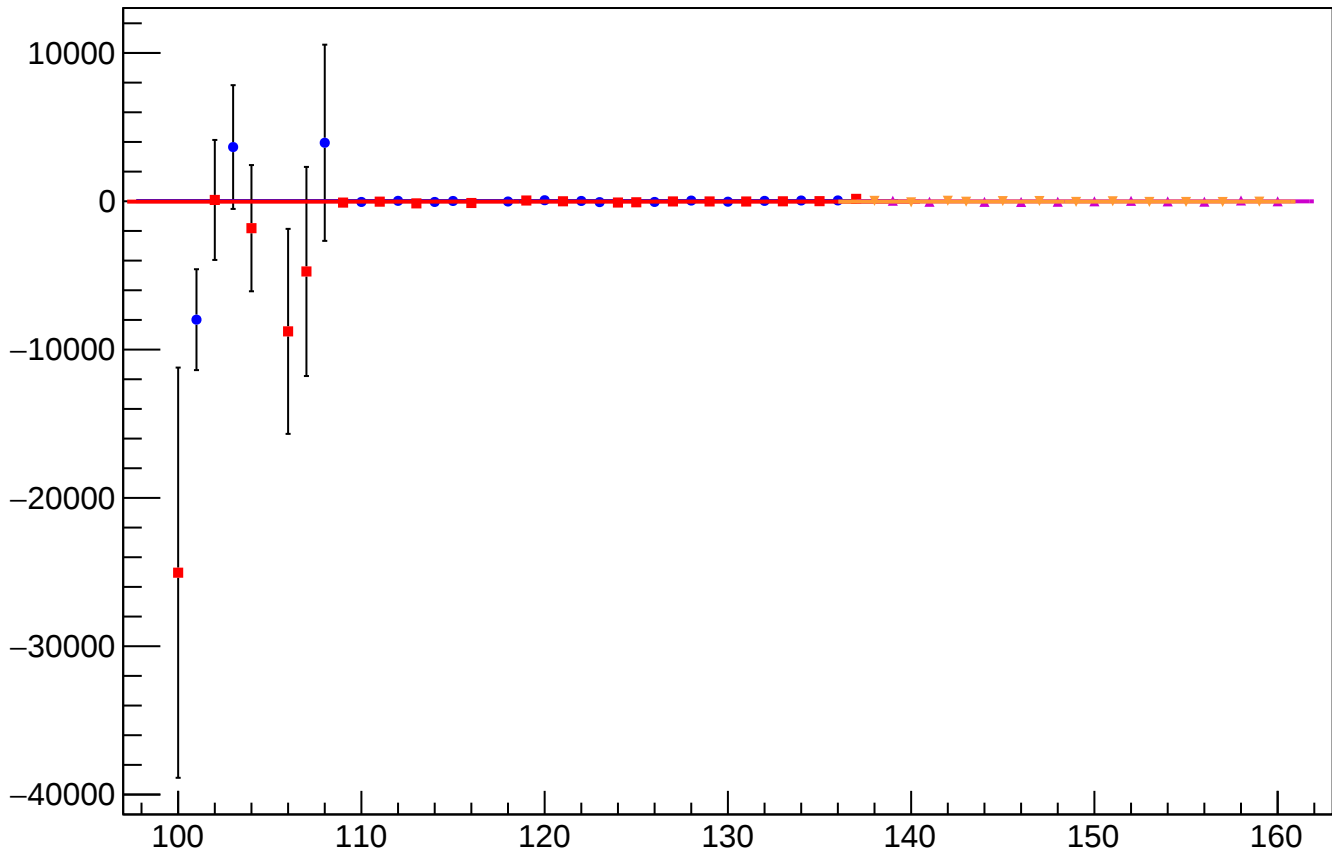
Right Out: 173.928+/-0.057 χ^2/NDF : 4211385.1/18

Left In: 184.152+/-0.047 χ^2/NDF : 1237953.2/10

214.670+/-0.042 χ^2/NDF : 4697780.1/28

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: -21.204+/-10.761 χ^2/NDF : 8.8/11

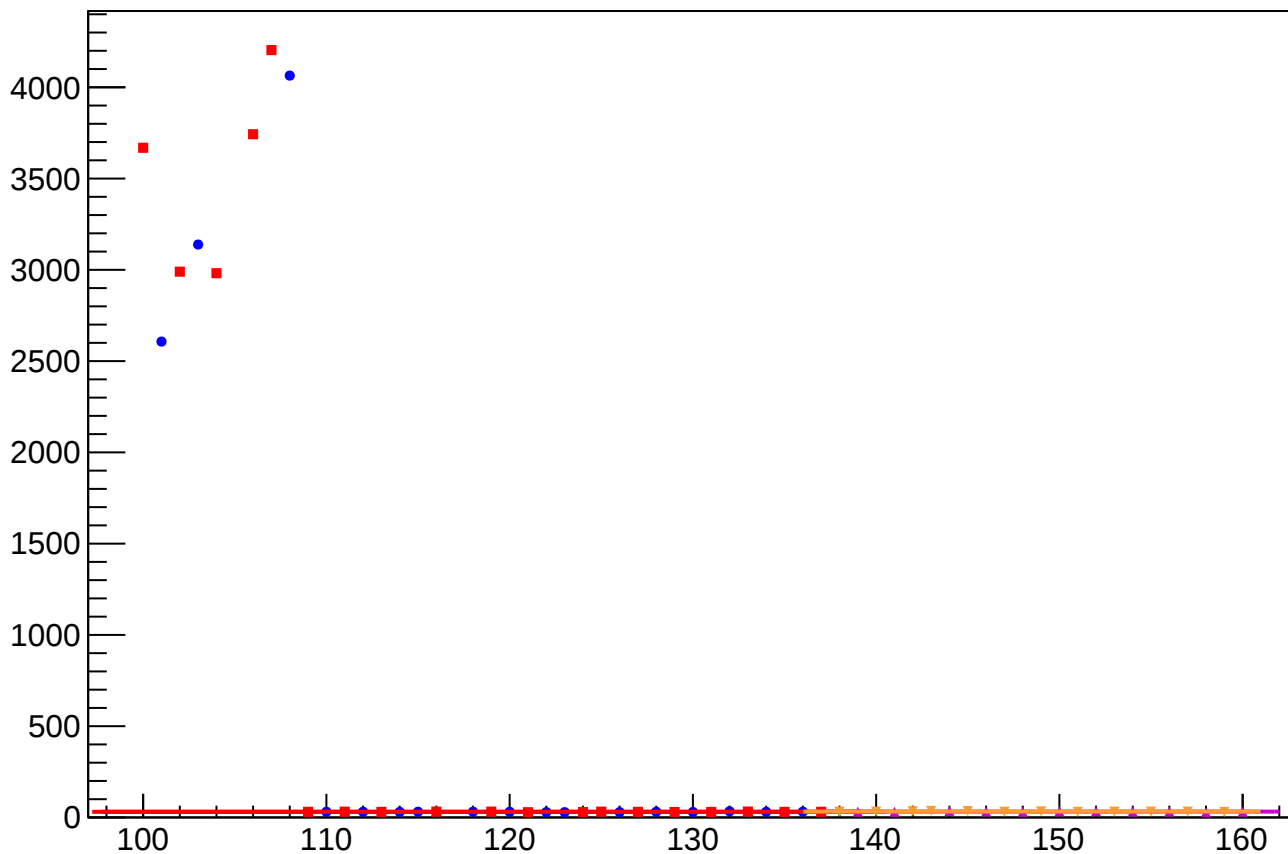
Right Out: -23.374+/-13.655 χ^2/NDF : 27.5/18

Left In: -4.417+/-10.719 χ^2/NDF : 9.1/10

-7.625+/-8.443 χ^2/NDF : 28.2/28

-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: 32.174 $\pm$ 0.008 χ^2 /NDF: 40766.6/11

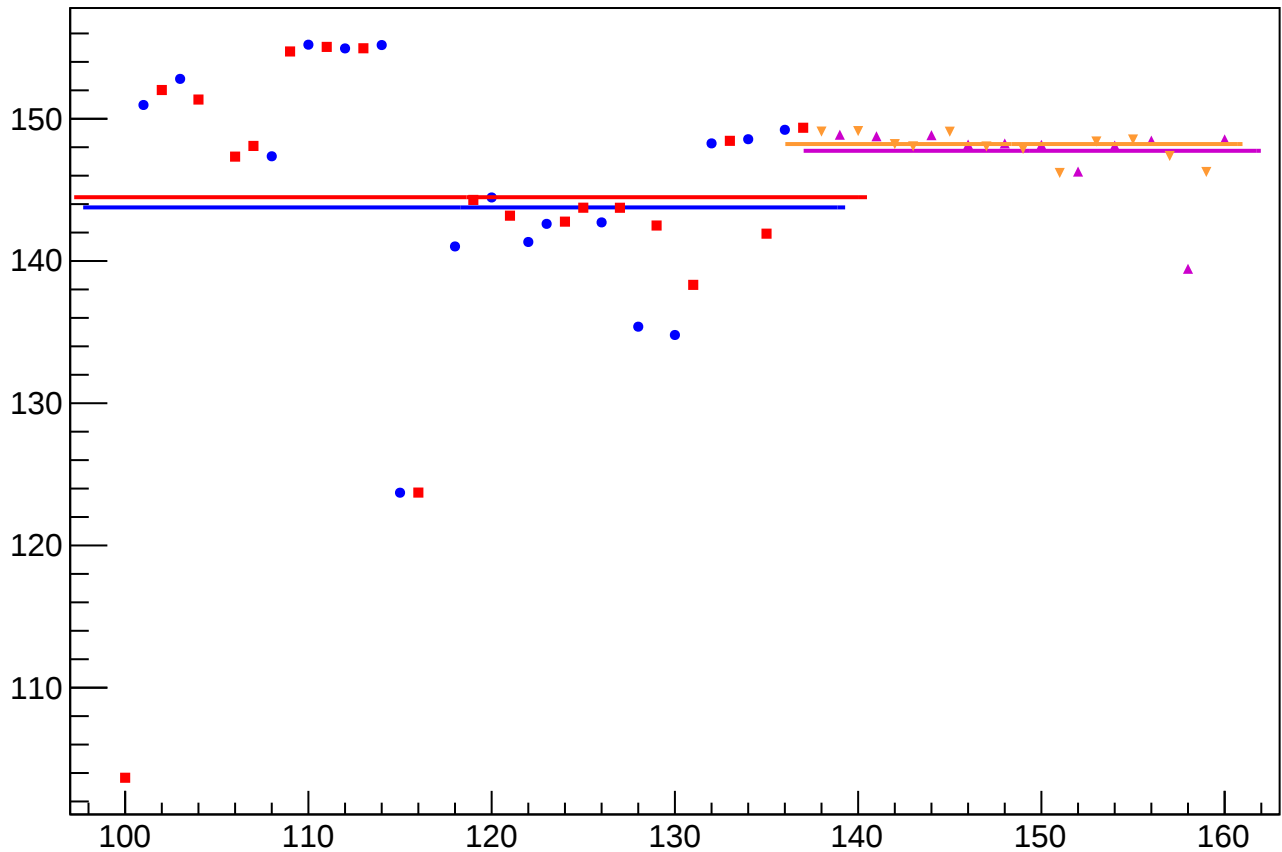
31.771 $\pm$ 0.006 χ^2 /NDF: 3062475.5/28

Right Out: 30.963 $\pm$ 0.010 χ^2 /NDF: 3458945.1/18

31.576 $\pm$ 0.006 χ^2 /NDF: 3518724.8/29

Left In: 31.954 $\pm$ 0.008 χ^2 /NDF: 53259.4/10

yield_bcm_an_ds_mean vs Slug



Right In: 143.768 $\pm$ 0.000 χ^2 /NDF: 3532173868.5/16

Left Out: 148.224 $\pm$ 0.000 χ^2 /NDF: 50372786.9/11

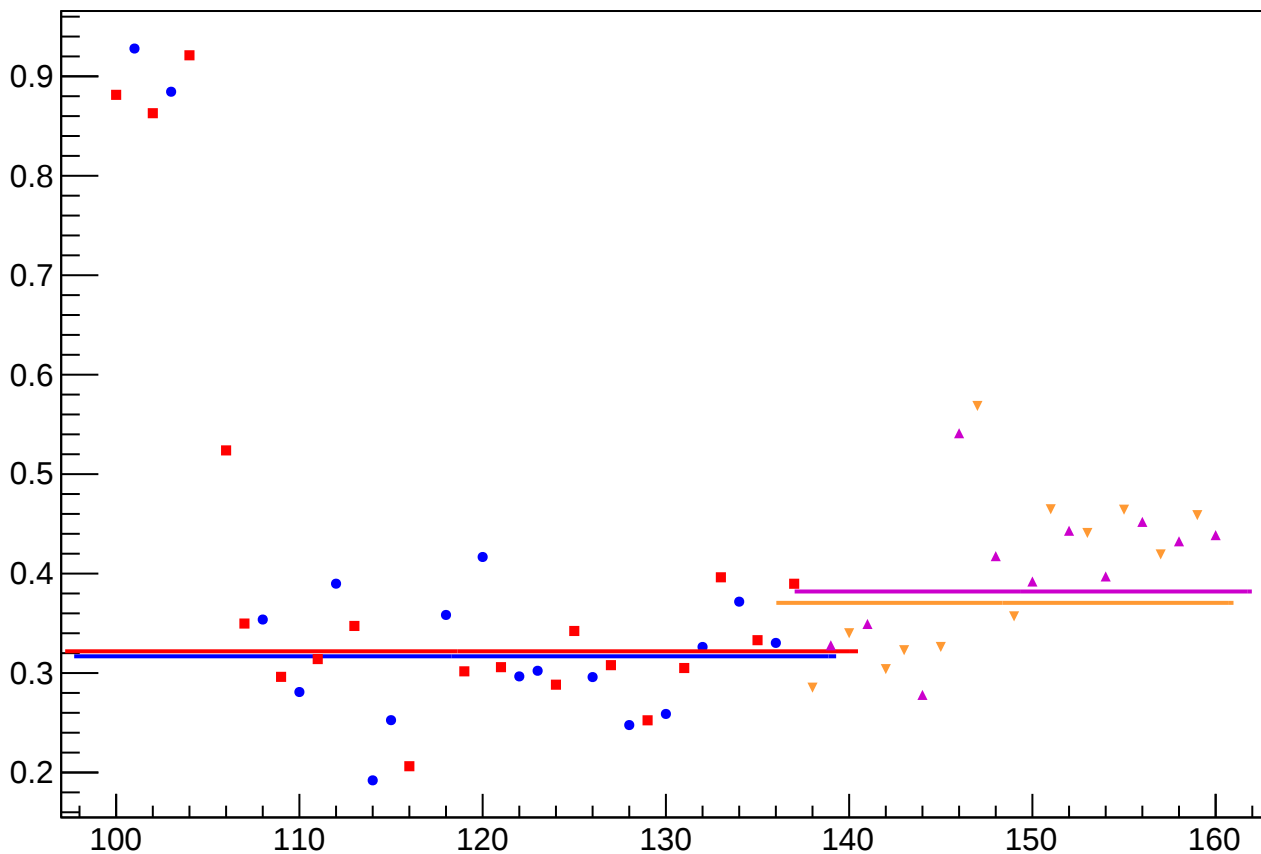
Right Out: 144.486 $\pm$ 0.000 χ^2 /NDF: 4183608291.3/18

Left In: 147.749 $\pm$ 0.000 χ^2 /NDF: 320051156.8/10

146.080 $\pm$ 0.000 χ^2 /NDF: 4155808413.1/28

146.122 $\pm$ 0.000 χ^2 /NDF: 4805727493.7/29

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1278613.2/16

Left Out: 0.371 ± 0.000 χ^2/NDF : 655127.2/11

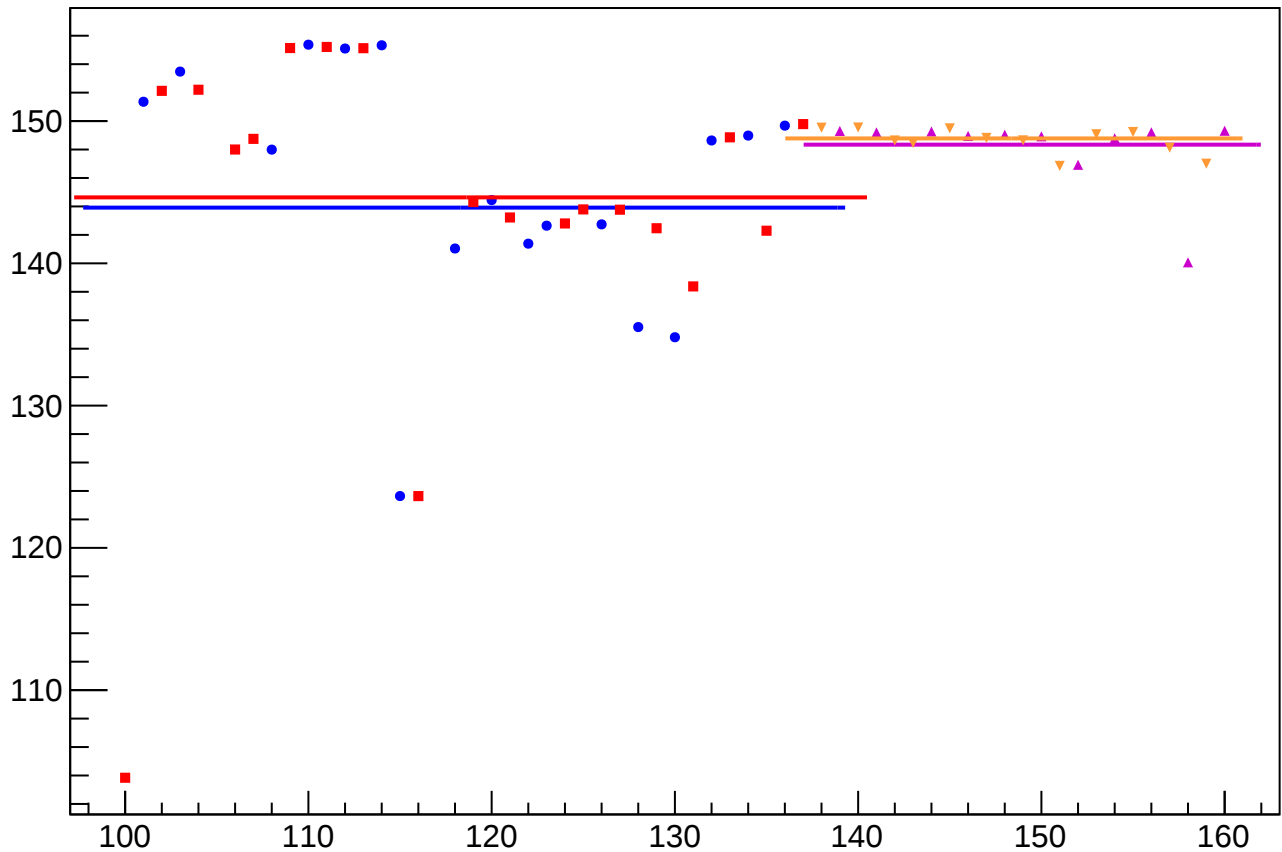
Right Out: 0.322 ± 0.000 χ^2/NDF : 1217762.5/18

Left In: 0.382 ± 0.000 χ^2/NDF : 545901.4/10

0.345 ± 0.000 χ^2/NDF : 2100601.8/28

0.352 ± 0.000 χ^2/NDF : 1968818.9/29

yield_bcm_an_ds3_mean vs Slug



Right In: 143.917+/-0.000 χ^2/NDF : 3584662767.5/16

Left Out: 148.780+/-0.000 χ^2/NDF : 39658163.0/11

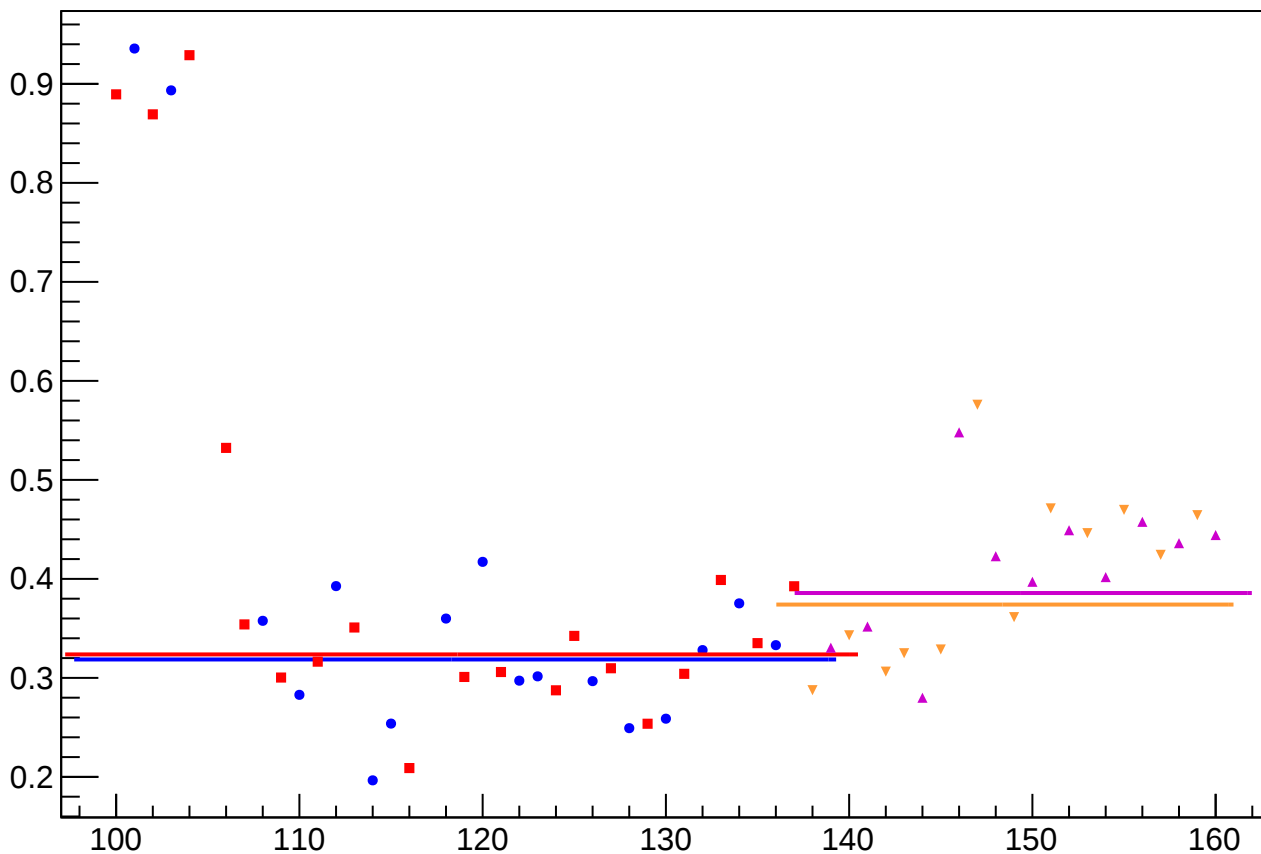
Right Out: 144.637+/-0.000 χ^2/NDF : 4210524953.9/18

Left In: 148.343+/-0.000 χ^2/NDF : 309406730.6/10

146.430+/-0.000 χ^2/NDF : 4297062077.9/28

146.487+/-0.000 χ^2/NDF : 4903458205.8/29

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 ± 0.000 χ^2/NDF : 1280748.9/16

Left Out: 0.374 ± 0.000 χ^2/NDF : 668349.4/11

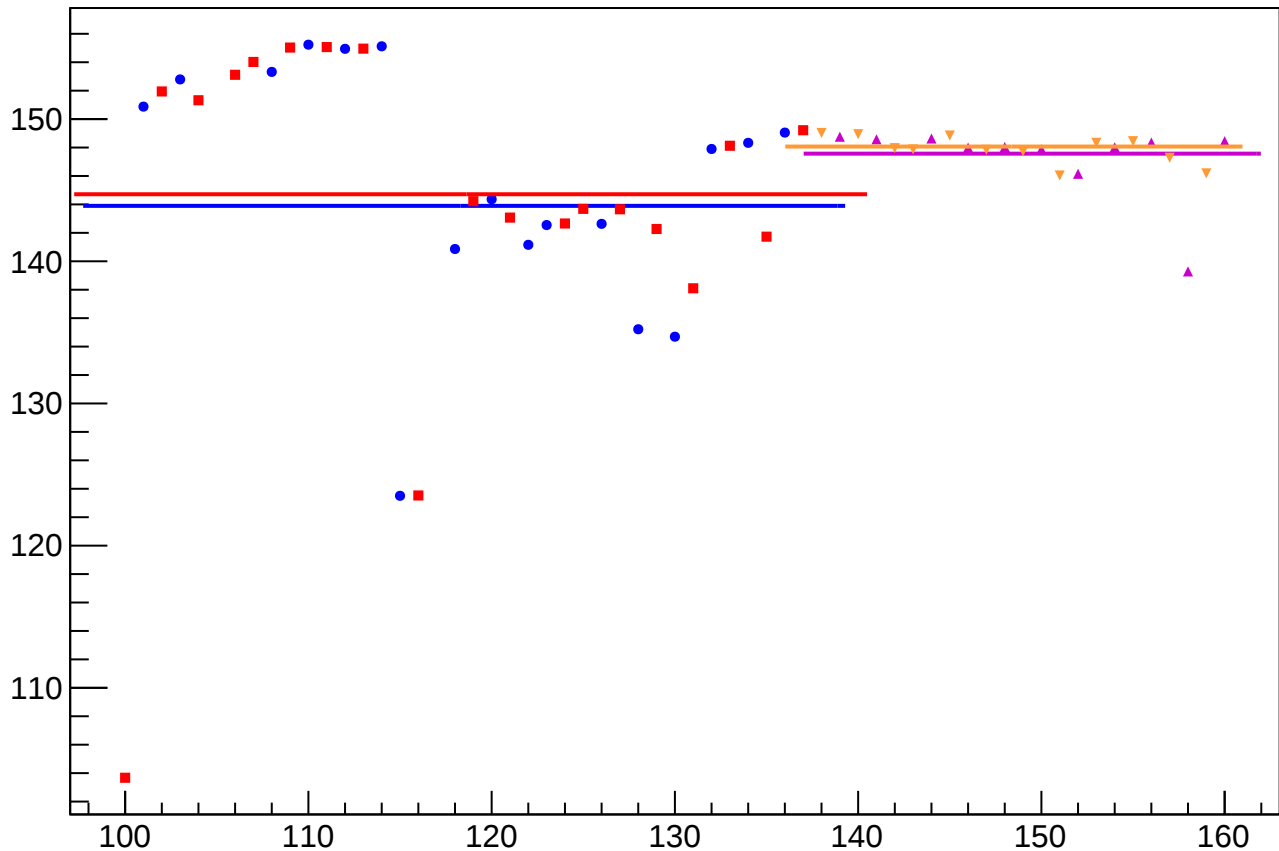
Right Out: 0.324 ± 0.000 χ^2/NDF : 1220898.3/18

Left In: 0.386 ± 0.000 χ^2/NDF : 558686.4/10

0.347 ± 0.000 χ^2/NDF : 2124055.9/28

0.355 ± 0.000 χ^2/NDF : 1994460.8/29

yield_bcm_an_us_mean vs Slug



Right In: 143.899+/-0.000 χ^2/NDF : 3749888331.0/16

Left Out: 148.070+/-0.000 χ^2/NDF : 48643618.8/11

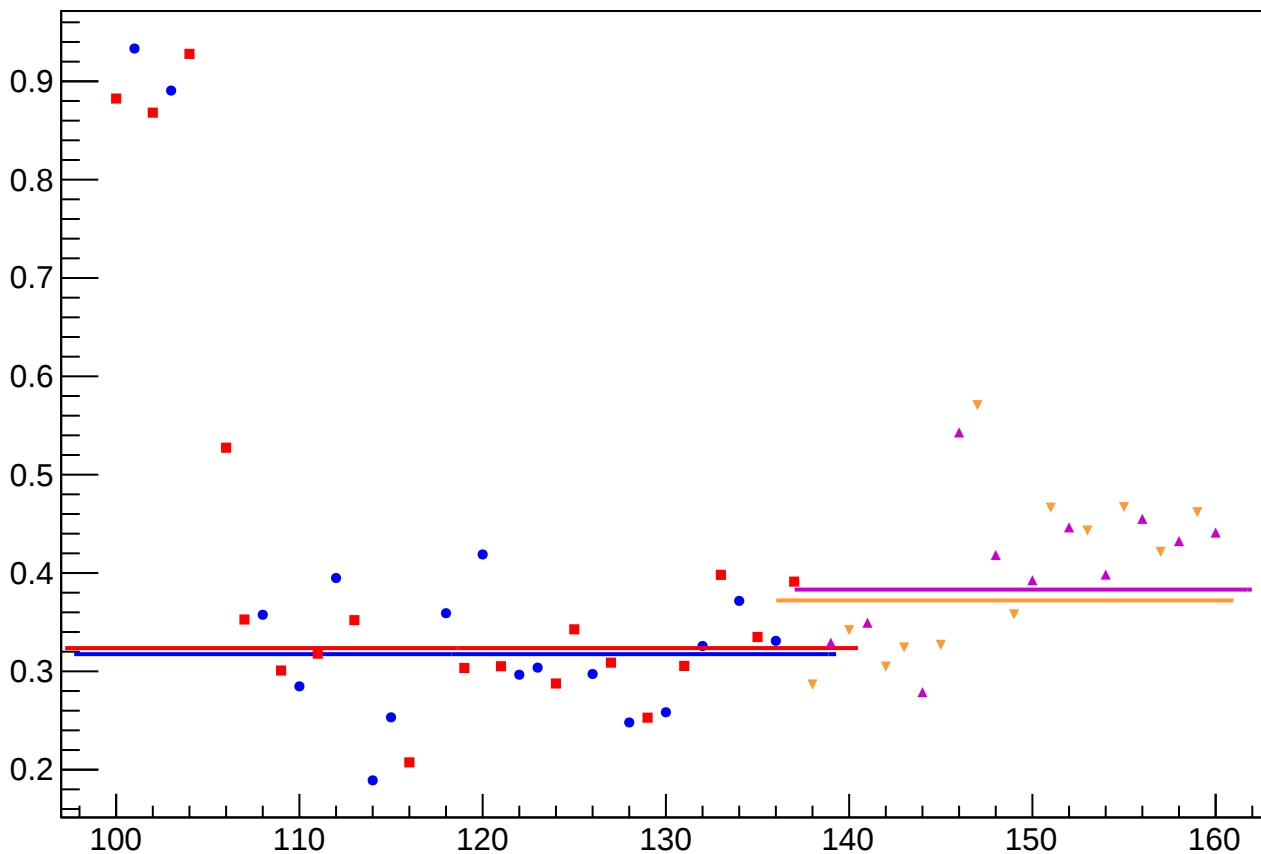
146.060+/-0.000 χ^2/NDF : 4297381067.5/28

Right Out: 144.715+/-0.000 χ^2/NDF : 4474458988.7/18

146.151+/-0.000 χ^2/NDF : 5022561698.6/29

Left In: 147.571+/-0.000 χ^2/NDF : 318721560.7/10

yield_bcm_an_us_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1293179.2/16

Left Out: 0.372 $\pm$ 0.000 χ^2 /NDF: 658265.4/11

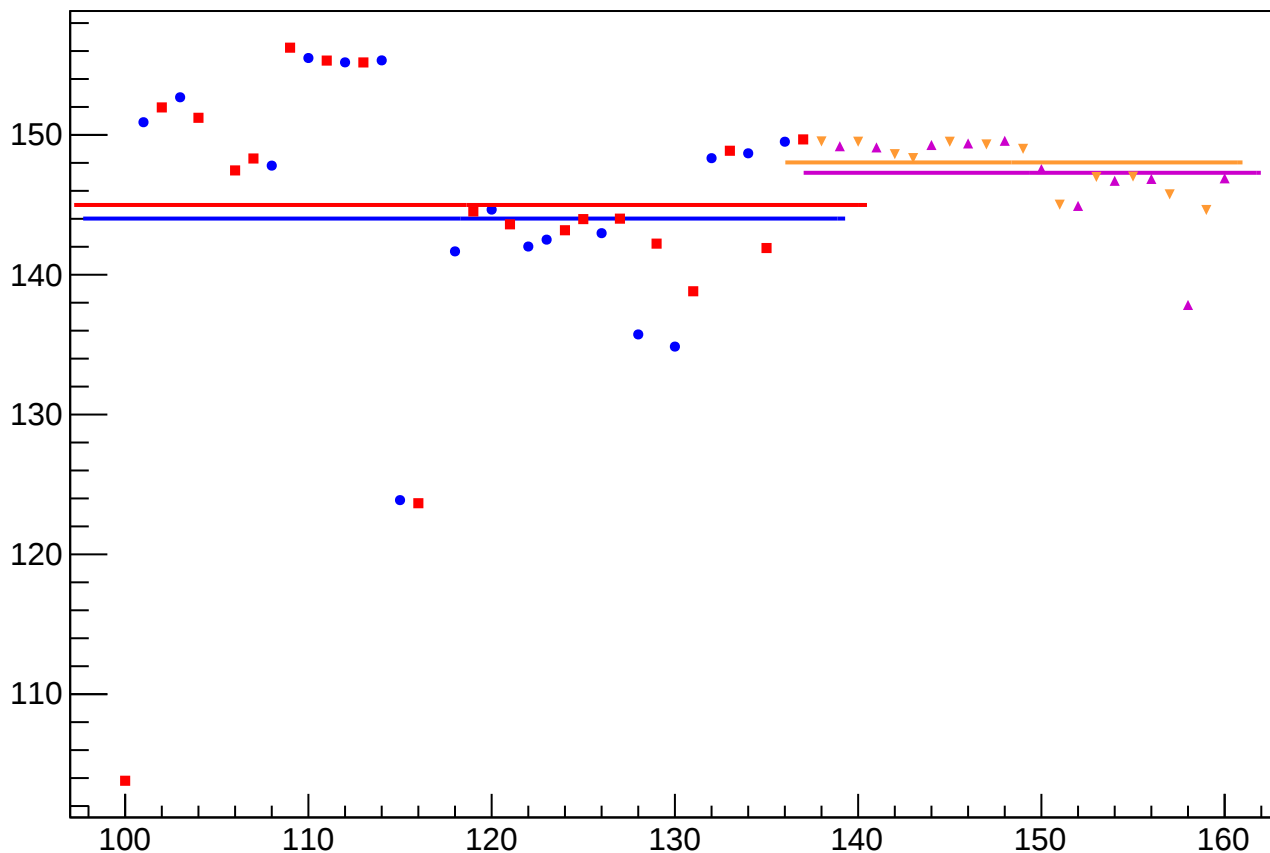
Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1221676.7/18

Left In: 0.383 $\pm$ 0.000 χ^2 /NDF: 549823.6/10

0.346 $\pm$ 0.000 χ^2 /NDF: 2122619.6/28

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: 148.033 $\pm$ 0.000 χ^2 /NDF:155450819.9/11

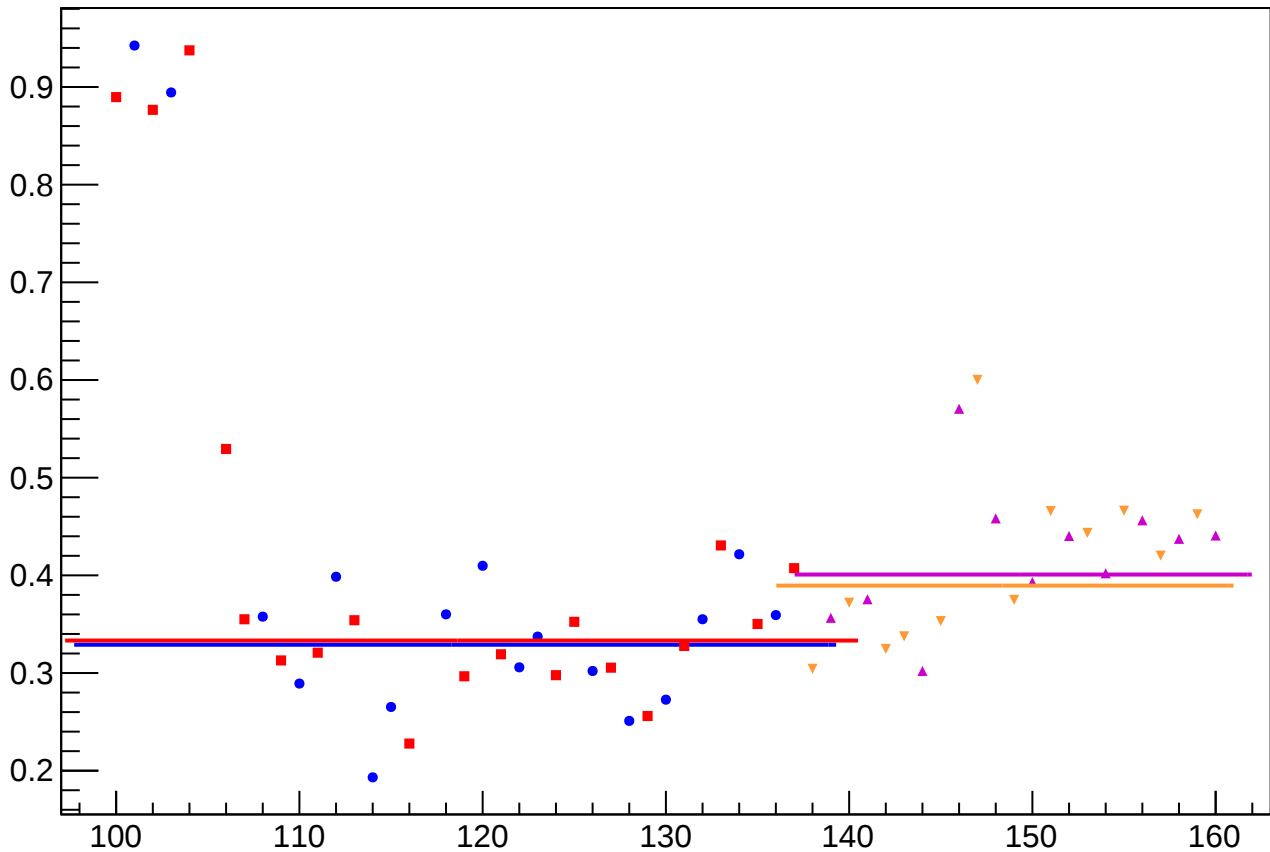
Right Out: 144.990 $\pm$ 0.000 χ^2 /NDF: 3853449012.9/18

Left In: 147.292 $\pm$ 0.000 χ^2 /NDF:478615013.1/10

146.083 $\pm$ 0.000 χ^2 /NDF: 3820162478.9/28

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: 0.390 ± 0.000 χ^2/NDF : 524785.8/11

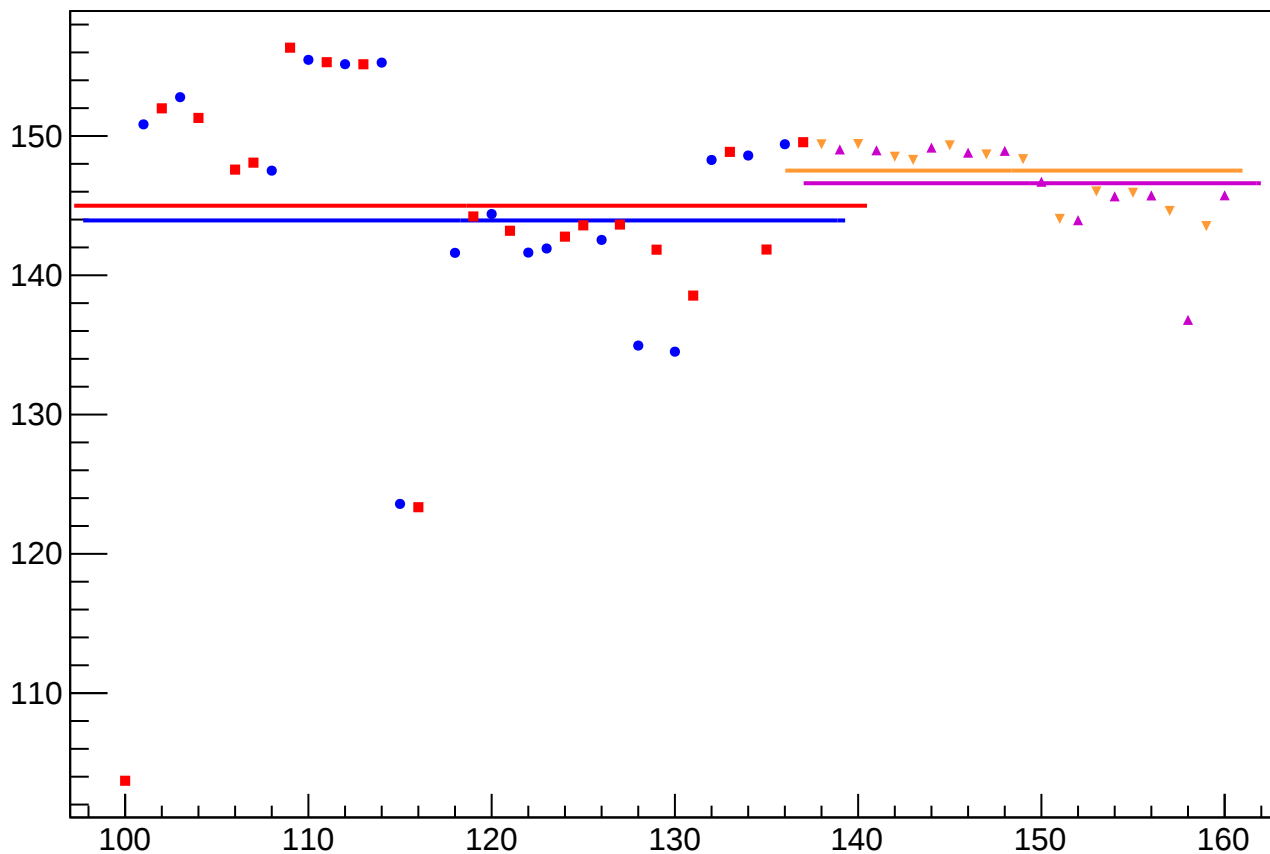
Right Out: 0.333 ± 0.000 χ^2/NDF : 1182496.7/18

Left In: 0.401 ± 0.000 χ^2/NDF : 424673.5/10

0.360 ± 0.000 χ^2/NDF : 1994737.6/28

0.367 ± 0.000 χ^2/NDF : 1846148.2/29

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 $\pm$ 0.000 χ^2 /NDF: 3379203532.9/16

Left Out: 147.516 $\pm$ 0.000 χ^2 /NDF:230978707.2/11

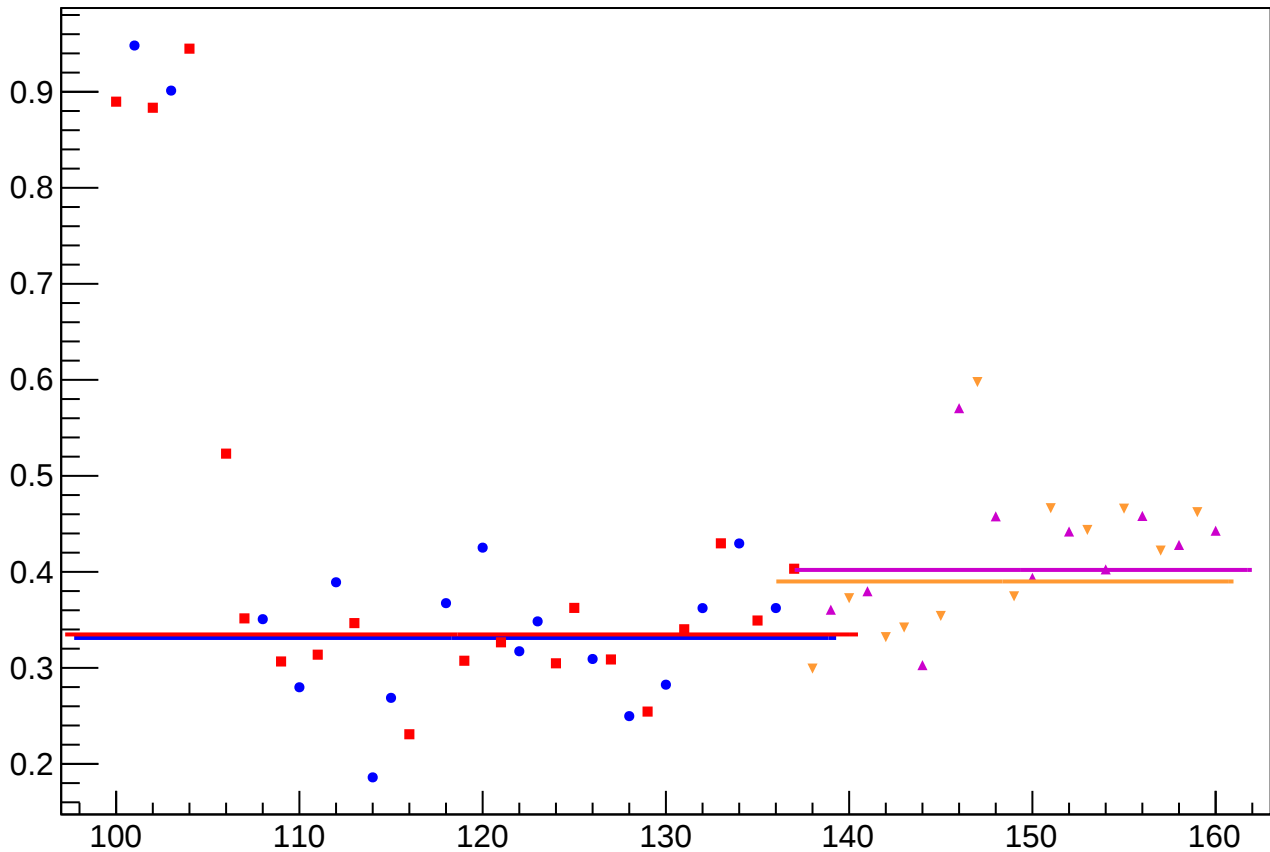
Right Out: 144.995 $\pm$ 0.000 χ^2 /NDF: 3934069043.2/18

Left In: 146.609 $\pm$ 0.000 χ^2 /NDF:581741332.6/10

145.790 $\pm$ 0.000 χ^2 /NDF: 3945125289.5/28

145.797 $\pm$ 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: 0.390 ± 0.000 χ^2/NDF : 524555.0/11

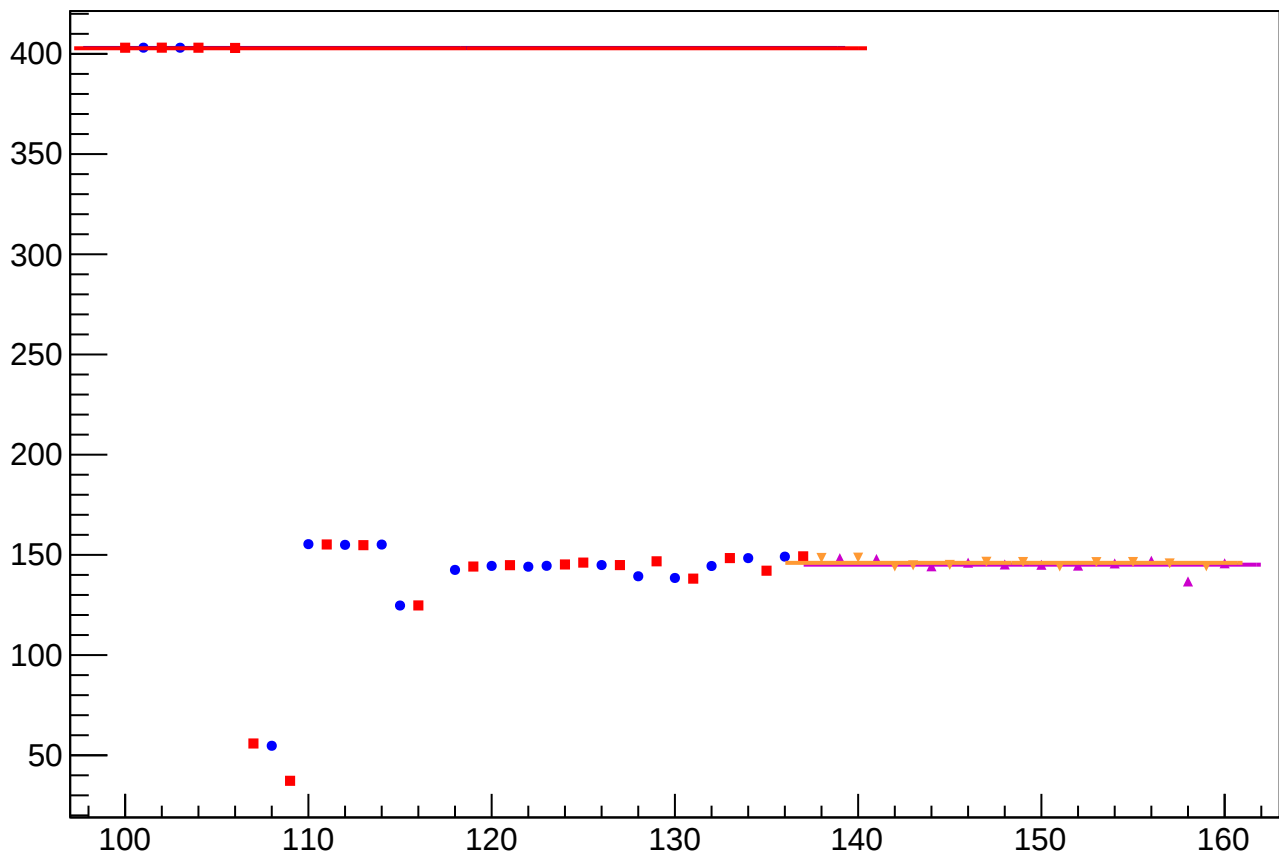
Right Out: 0.335 ± 0.000 χ^2/NDF : 1172239.8/18

Left In: 0.402 ± 0.000 χ^2/NDF : 411481.9/10

0.362 ± 0.000 χ^2/NDF : 2001356.4/28

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: 146.022+/-0.000 χ^2/NDF : 35089640.6/11

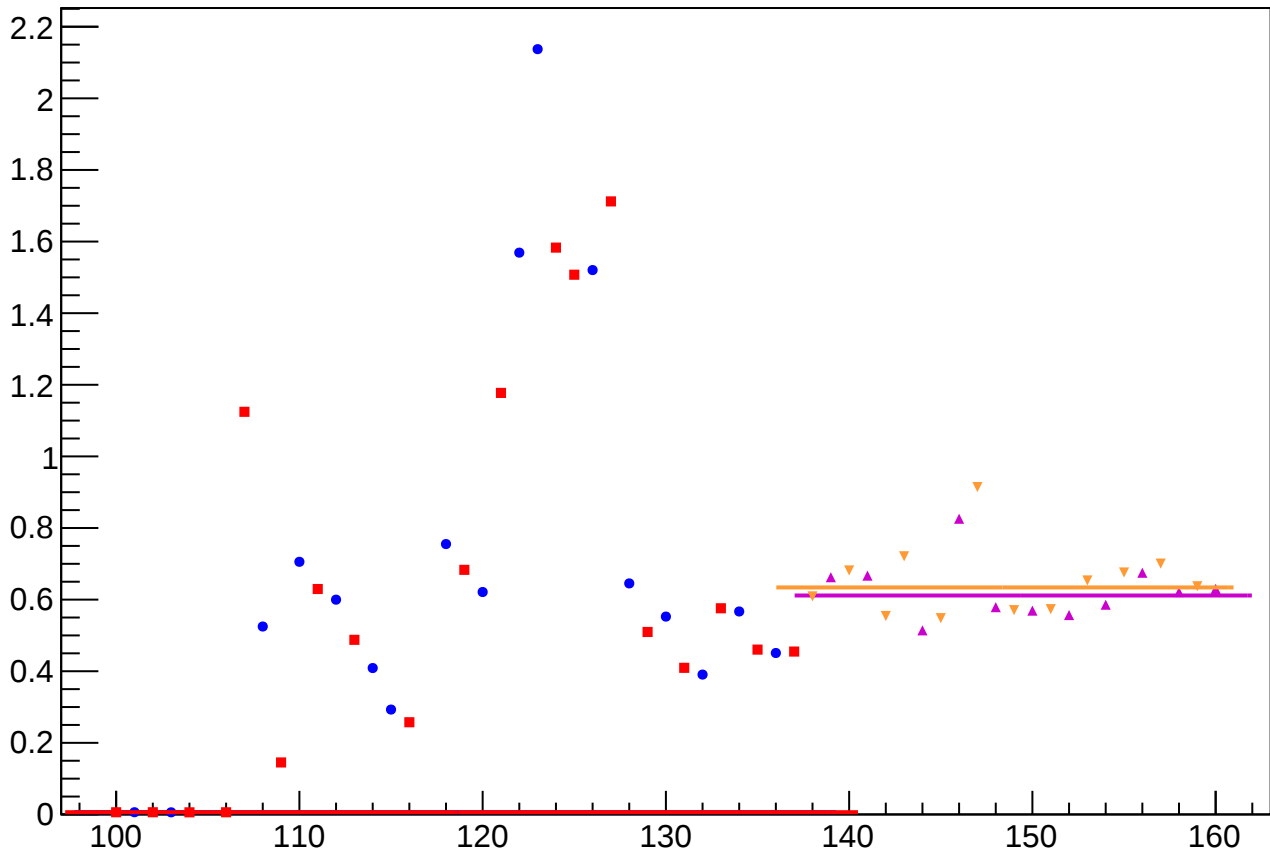
Right Out: 402.799+/-0.000 χ^2/NDF : 3103890772575.4/18

Left In: 145.114+/-0.000 χ^2/NDF : 125712545.9/10

402.838+/-0.000 χ^2/NDF : 2049017545653.3/28

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: 0.634+/-0.000 χ^2/NDF :184296.1/11

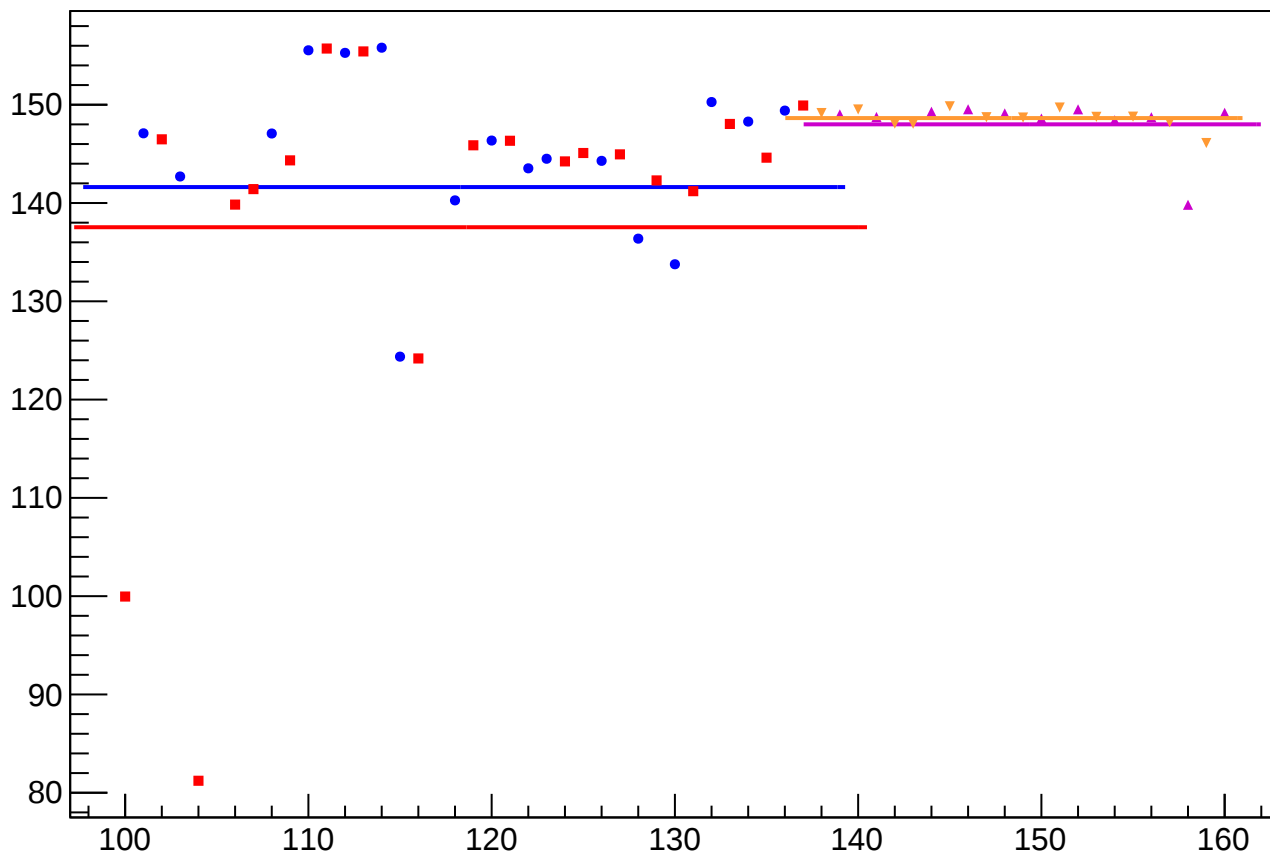
0.007+/-0.000 χ^2/NDF : 20712028.0/28

Right Out: 0.006+/-0.000 χ^2/NDF : 9212402.0/18

0.007+/-0.000 χ^2/NDF : 20768616.7/29

Left In: 0.612+/-0.000 χ^2/NDF :154845.1/10

yield_cav4cQ_mean vs Slug



Right In: 141.622 $\pm$ 0.000 χ^2 /NDF: 982037737.7/16

Left Out: 148.642 $\pm$ 0.000 χ^2 /NDF: 28334346.2/11

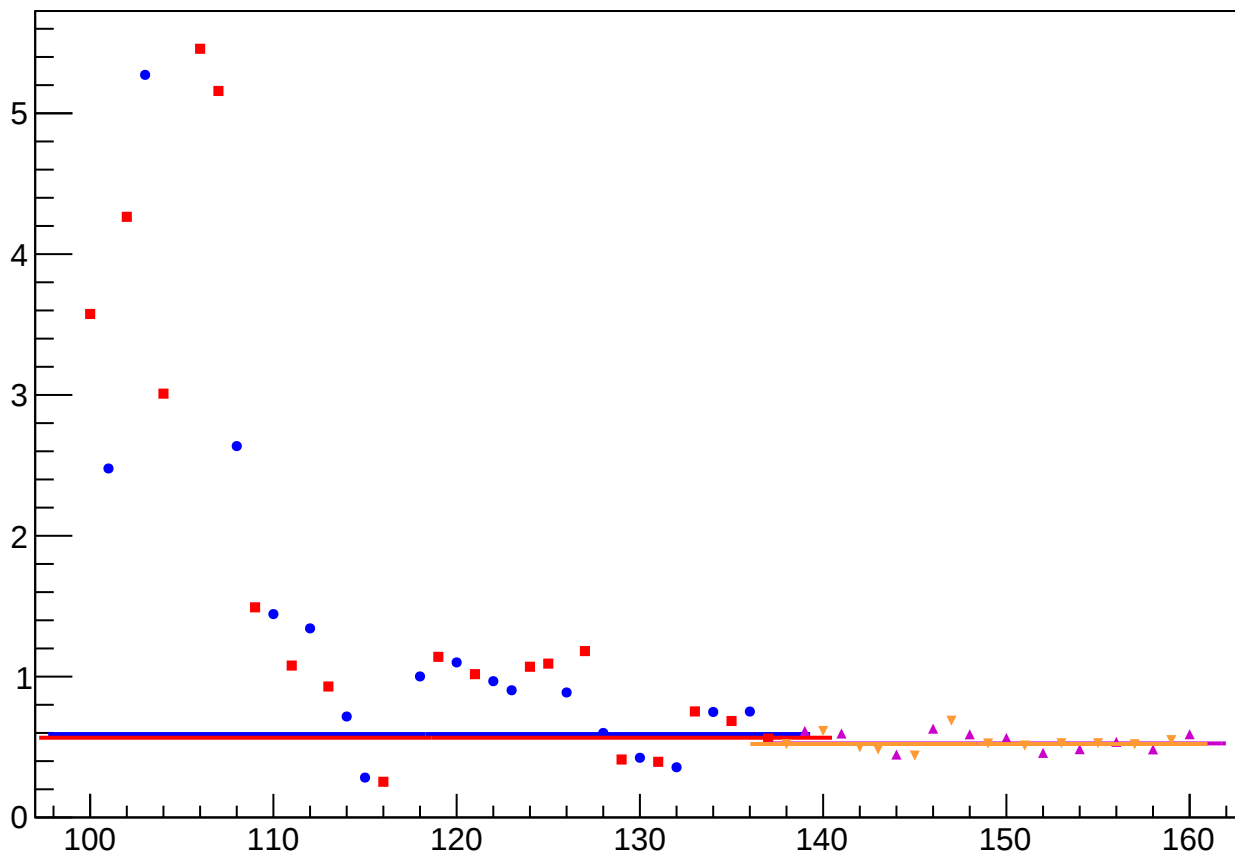
Right Out: 137.536 $\pm$ 0.000 χ^2 /NDF: 1315768553.6/18

Left In: 148.005 $\pm$ 0.000 χ^2 /NDF: 237250742.3/10

146.786 $\pm$ 0.000 χ^2 /NDF: 1377183667.5/28

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: 0.522 ± 0.000 χ^2/NDF : 168146.0/11

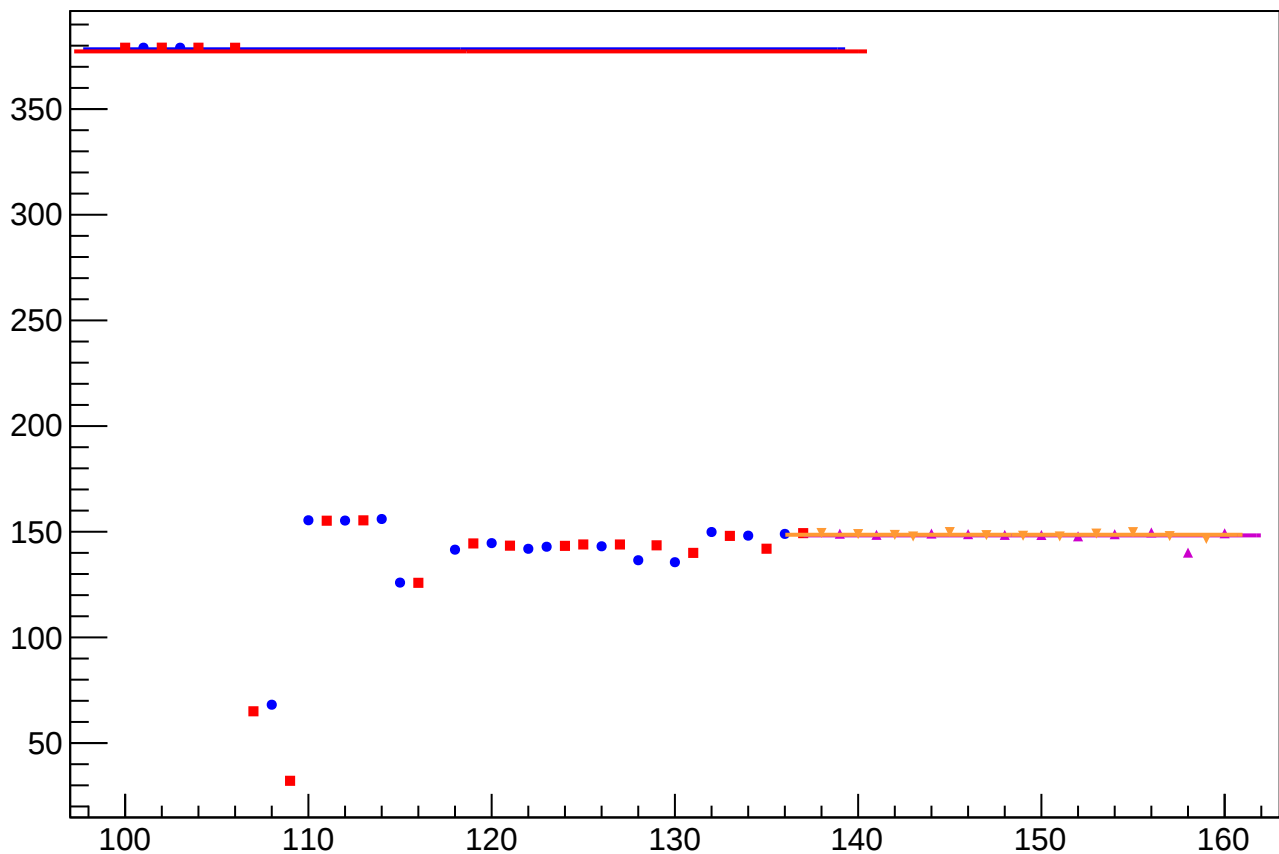
Right Out: 0.566 ± 0.000 χ^2/NDF : 4682140.9/18

Left In: 0.526 ± 0.000 χ^2/NDF : 221081.3/10

0.540 ± 0.000 χ^2/NDF : 3763948.2/28

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: 148.577+/-0.000 χ^2/NDF : 39551078.1/11

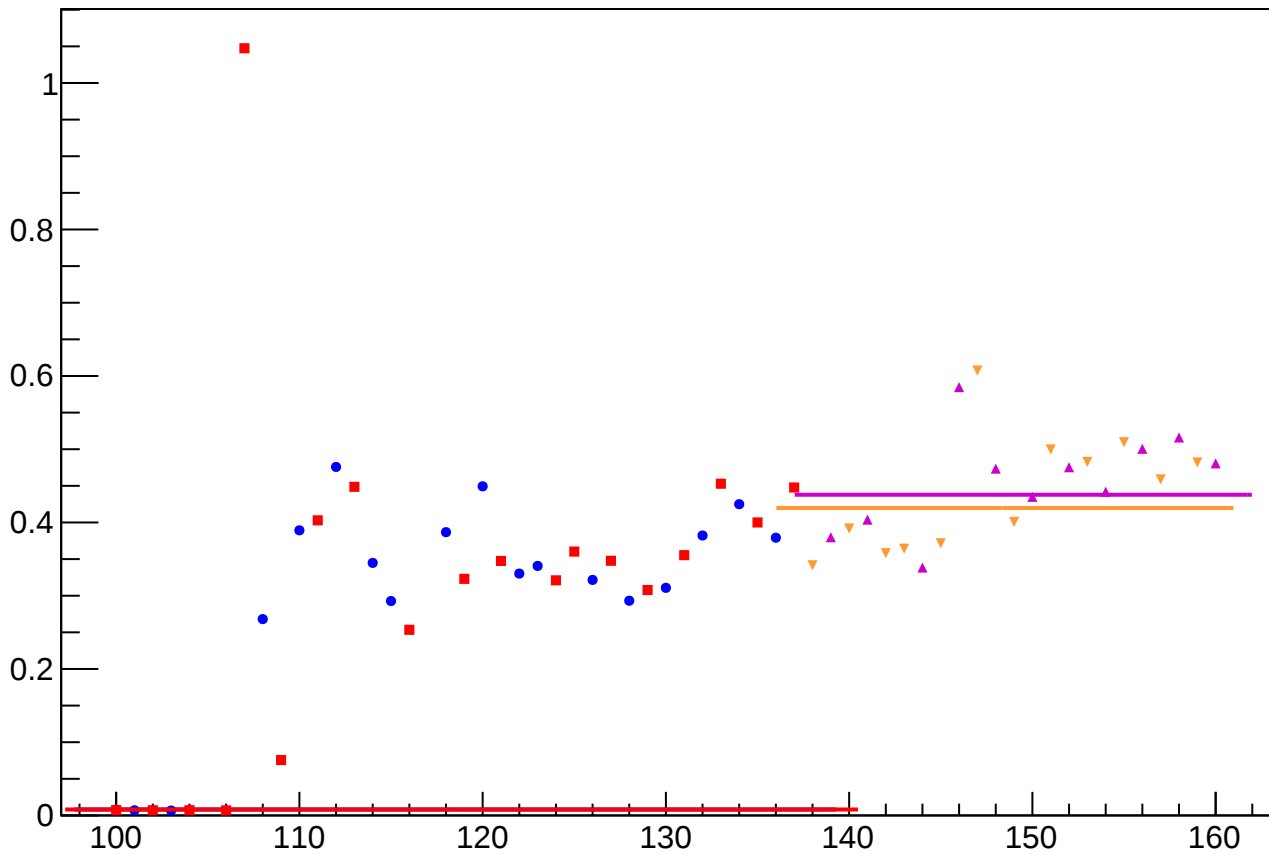
Right Out: 377.289+/-0.000 χ^2/NDF : 8279468194444.1/18

Left In: 148.273+/-0.000 χ^2/NDF : 209782939.1/10

377.464+/-0.000 χ^2/NDF : 5014005660706.2/28

376.627+/-0.000 χ^2/NDF : 10581931320014.5/2

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.420+/-0.000 χ^2/NDF : 455678.4/11

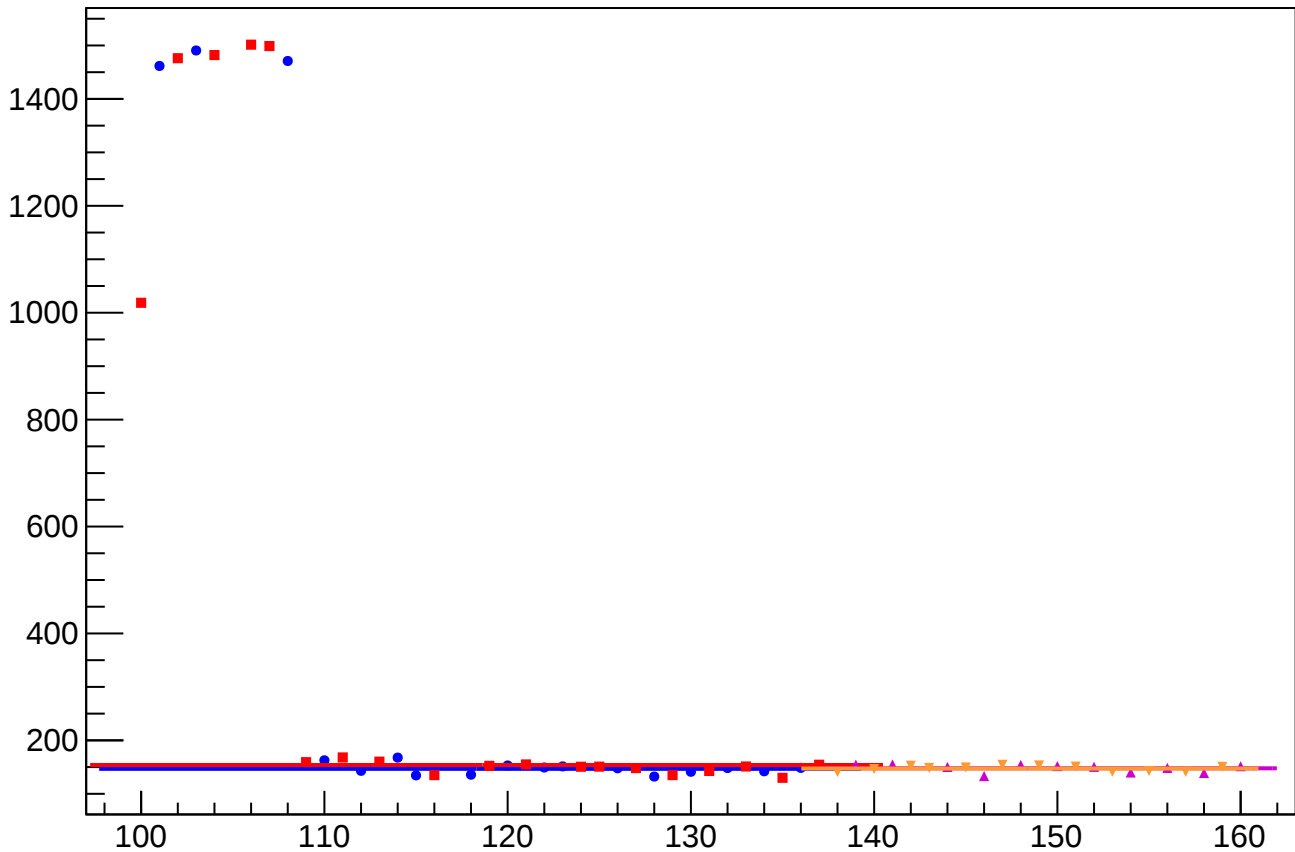
Right Out: 0.008+/-0.000 χ^2/NDF : 9535410.6/18

Left In: 0.438+/-0.000 χ^2/NDF : 377000.3/10

0.010+/-0.000 χ^2/NDF : 26409537.7/28

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: 147.286+/-0.000 χ^2/NDF : 215532393.2/11

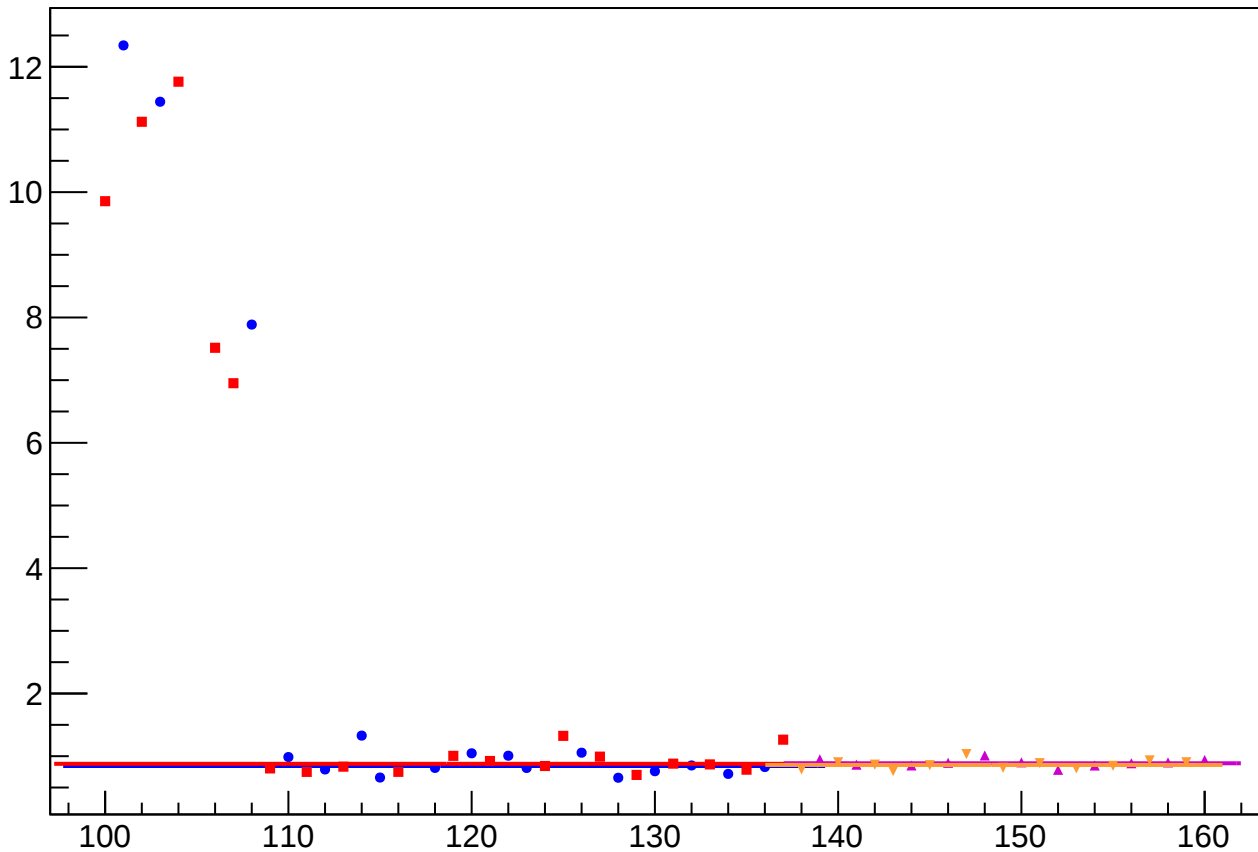
147.082+/-0.000 χ^2/NDF : 24567485833.7/28

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: 0.860 ± 0.000 χ^2/NDF : 86253.6/11

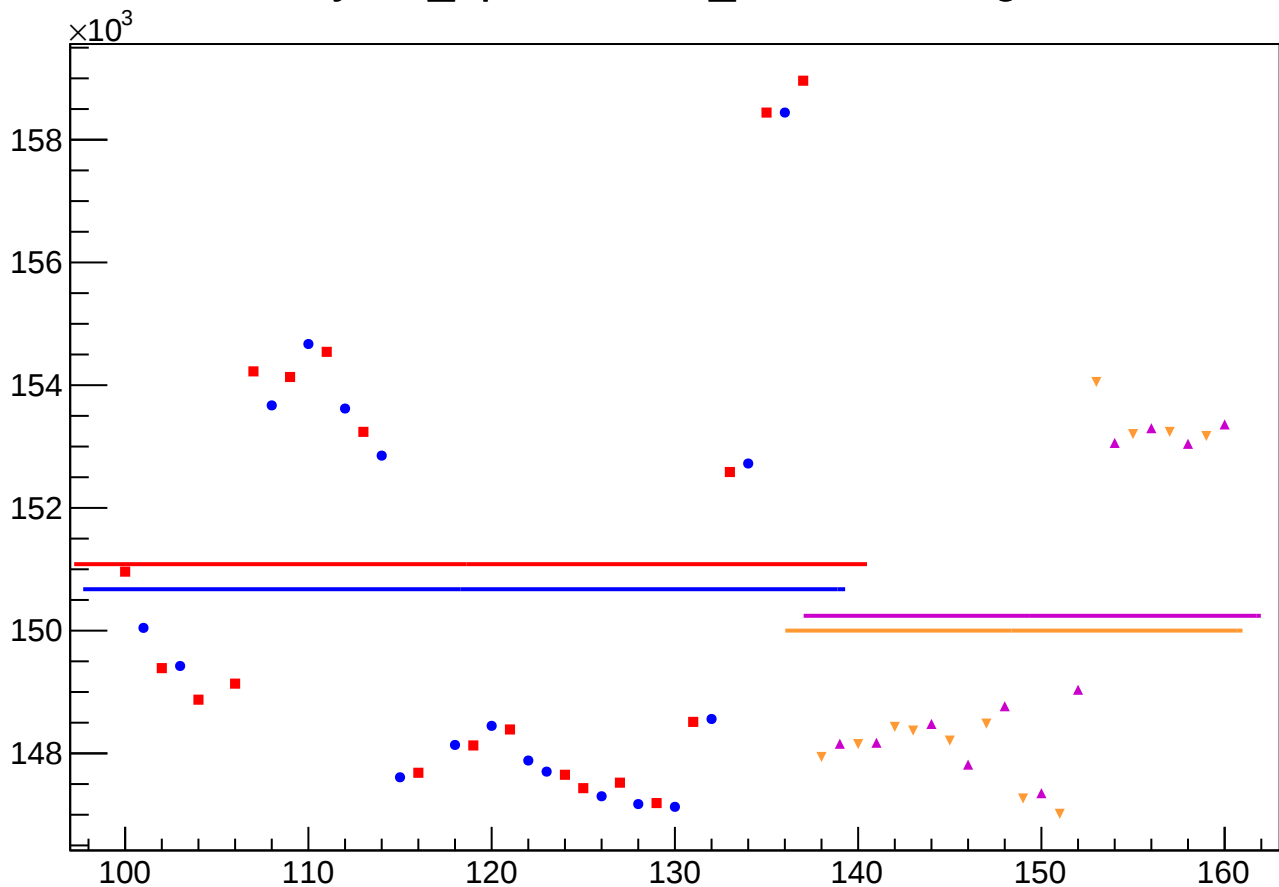
Right Out: 0.878 ± 0.000 χ^2/NDF : 2812500.6/18

Left In: 0.887 ± 0.000 χ^2/NDF : 60259.6/10

0.854 ± 0.000 χ^2/NDF : 2758560.0/28

0.884 ± 0.000 χ^2/NDF : 2873251.7/29

yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 $\pm$ 0.063 χ^2 /NDF: 3309974859.4/16

Left Out: 150000.859 $\pm$ 0.062 χ^2 /NDF: 1883894535.9/11

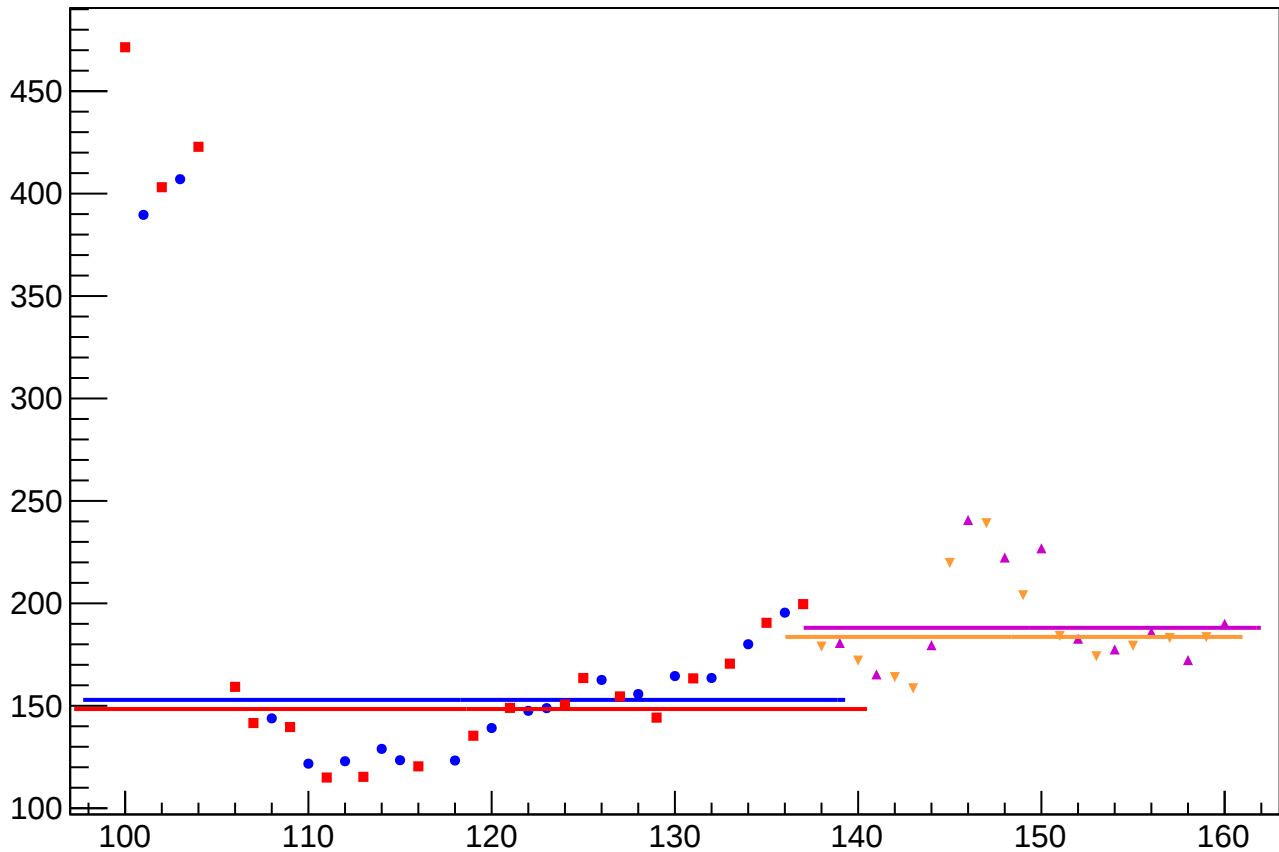
Right Out: 151083.268 $\pm$ 0.060 χ^2 /NDF: 3300830370.5/18

Left In: 150242.120 $\pm$ 0.064 χ^2 /NDF: 1436892948.0/10

150333.358 $\pm$ 0.044 χ^2 /NDF: 5251975417.6/28

150690.193 $\pm$ 0.044 χ^2 /NDF: 4830516982.5/29

yield_bpm0i01WS_rms vs Slug



Right In: 152.883 $\pm$ 0.045 χ^2 /NDF: 1154088.7/16

Left Out: 183.616 $\pm$ 0.044 χ^2 /NDF:199458.9/11

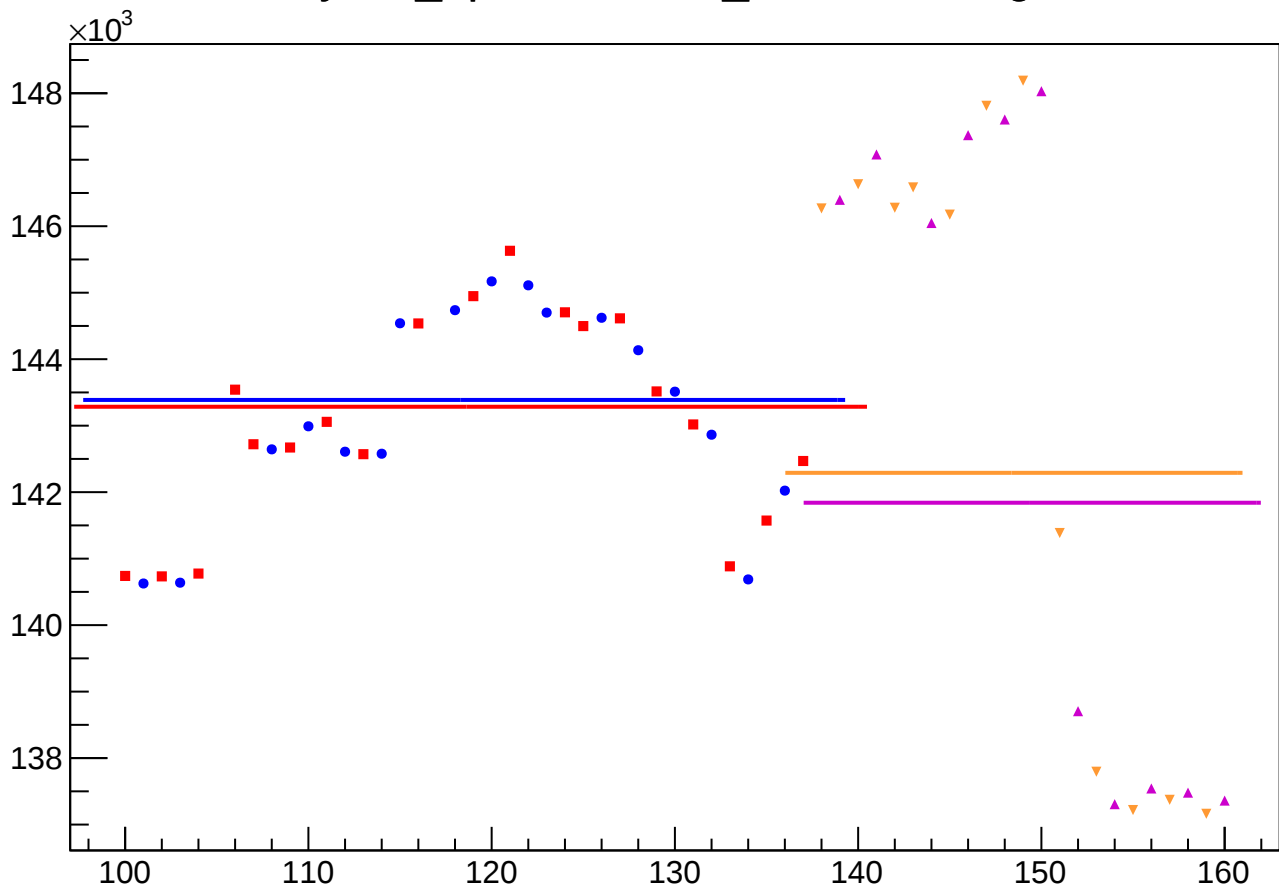
168.459 $\pm$ 0.031 χ^2 /NDF: 1595056.4/28

Right Out: 148.418 $\pm$ 0.042 χ^2 /NDF: 1191577.6/18

166.943 $\pm$ 0.031 χ^2 /NDF: 1826252.5/29

Left In: 188.061 $\pm$ 0.045 χ^2 /NDF:222457.2/10

yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099 $\pm$ 0.053 χ^2 /NDF: 521299875.7/16

Left Out: 142290.759 $\pm$ 0.059 χ^2 /NDF: 5807782025.7/11

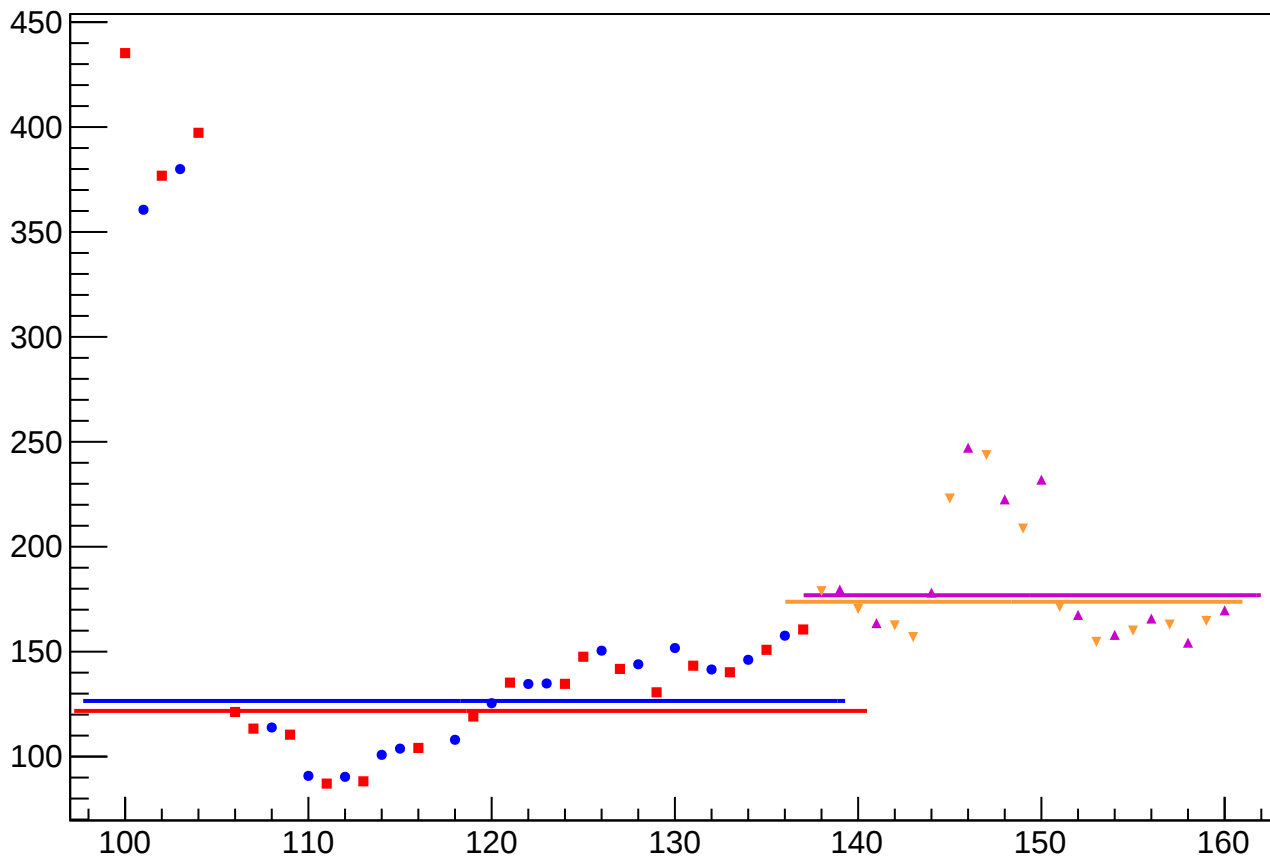
Right Out: 143284.757 $\pm$ 0.049 χ^2 /NDF: 608634820.1/18

Left In: 141840.963 $\pm$ 0.060 χ^2 /NDF: 5981500799.5/10

142900.814 $\pm$ 0.039 χ^2 /NDF: 6520869809.5/28

142708.851 $\pm$ 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: 173.778 ± 0.042 χ^2/NDF : 314432.7/11

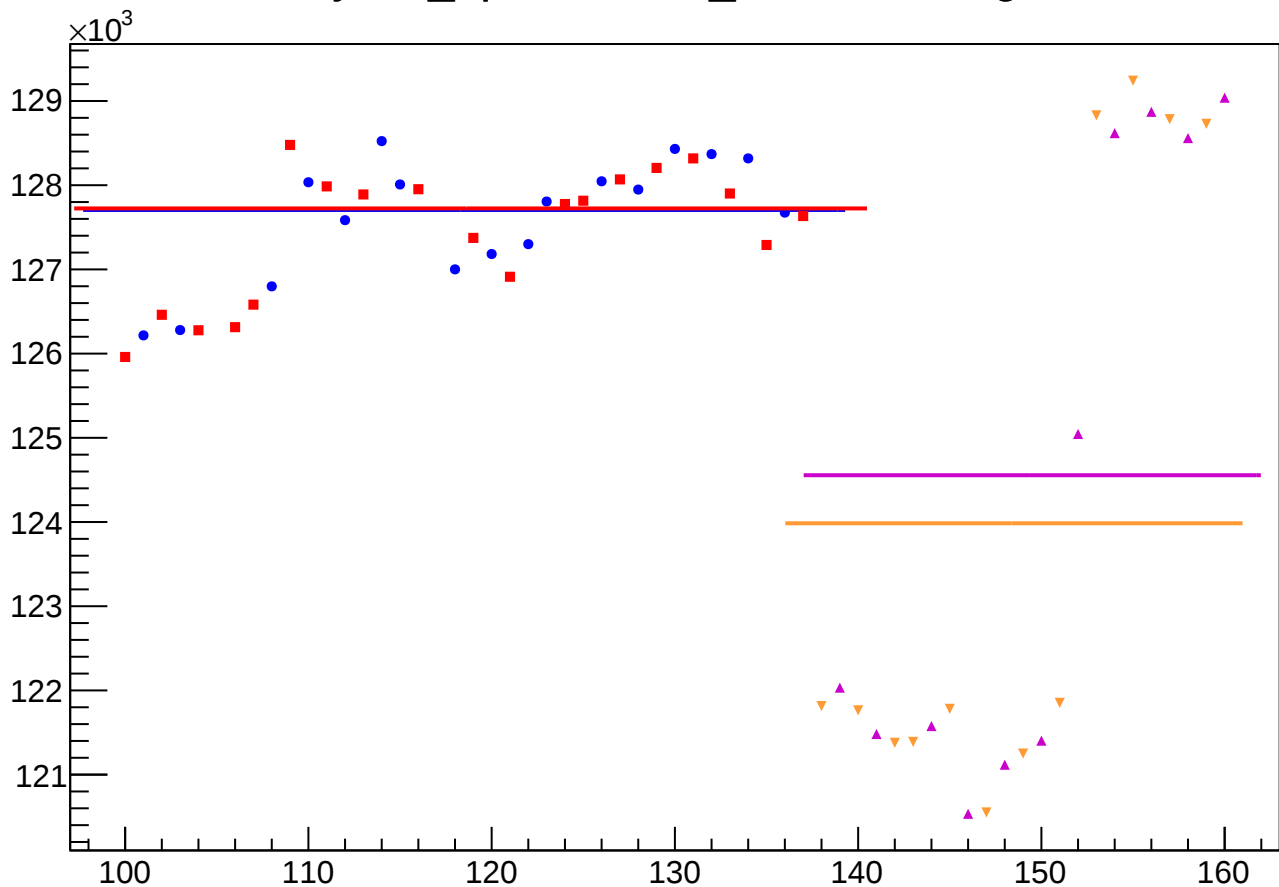
Right Out: 121.772 ± 0.035 χ^2/NDF : 1463829.4/18

Left In: 176.893 ± 0.043 χ^2/NDF : 374760.6/10

147.478 ± 0.028 χ^2/NDF : 2468994.7/28

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: 123985.049 $\pm$ 0.056 χ^2 /NDF: 3793625874.5/11

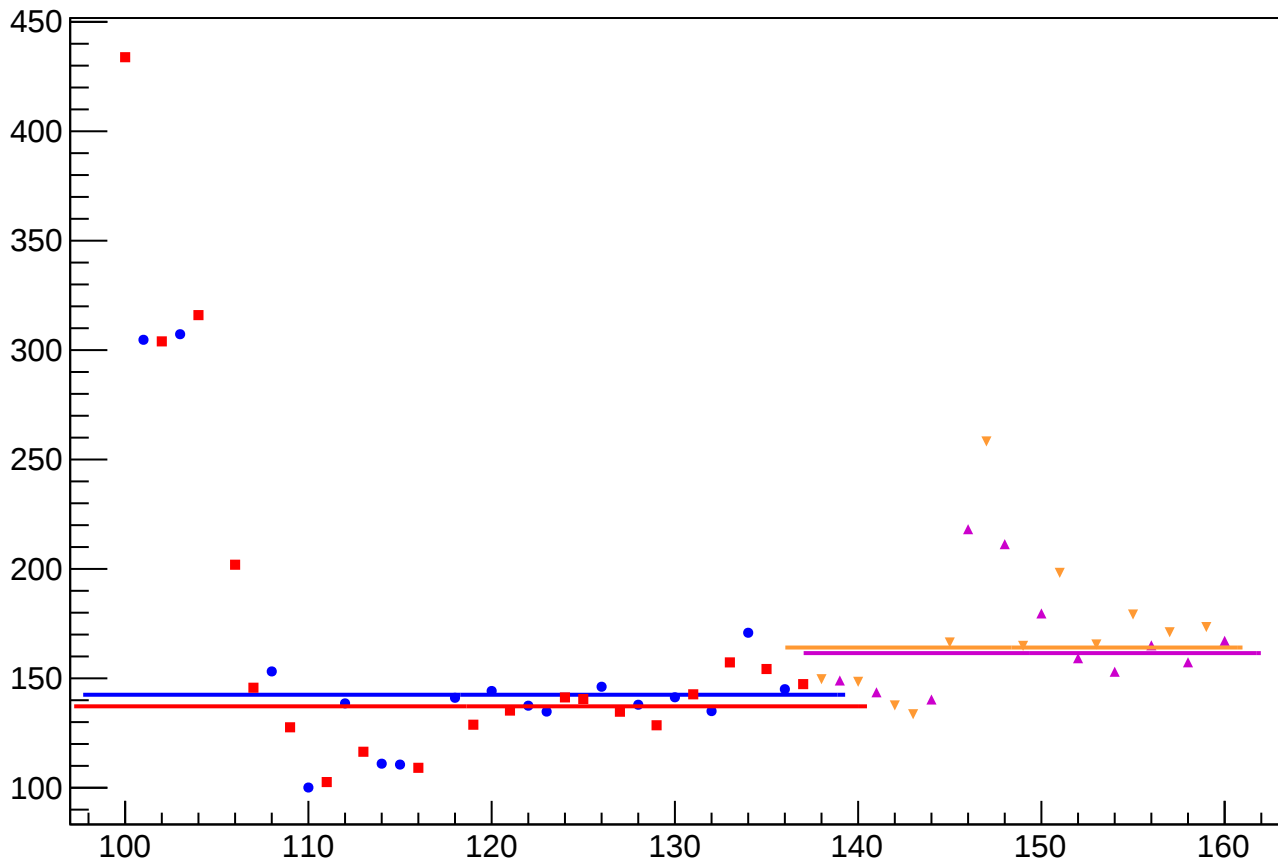
Right Out: 127724.256 $\pm$ 0.055 χ^2 /NDF: 112614317.2/18

Left In: 124555.721 $\pm$ 0.055 χ^2 /NDF: 3864520929.4/10

125790.875 $\pm$ 0.040 χ^2 /NDF: 6005825278.6/28

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: 164.082 $\pm$ 0.040 χ^2 /NDF: 396325.0/11

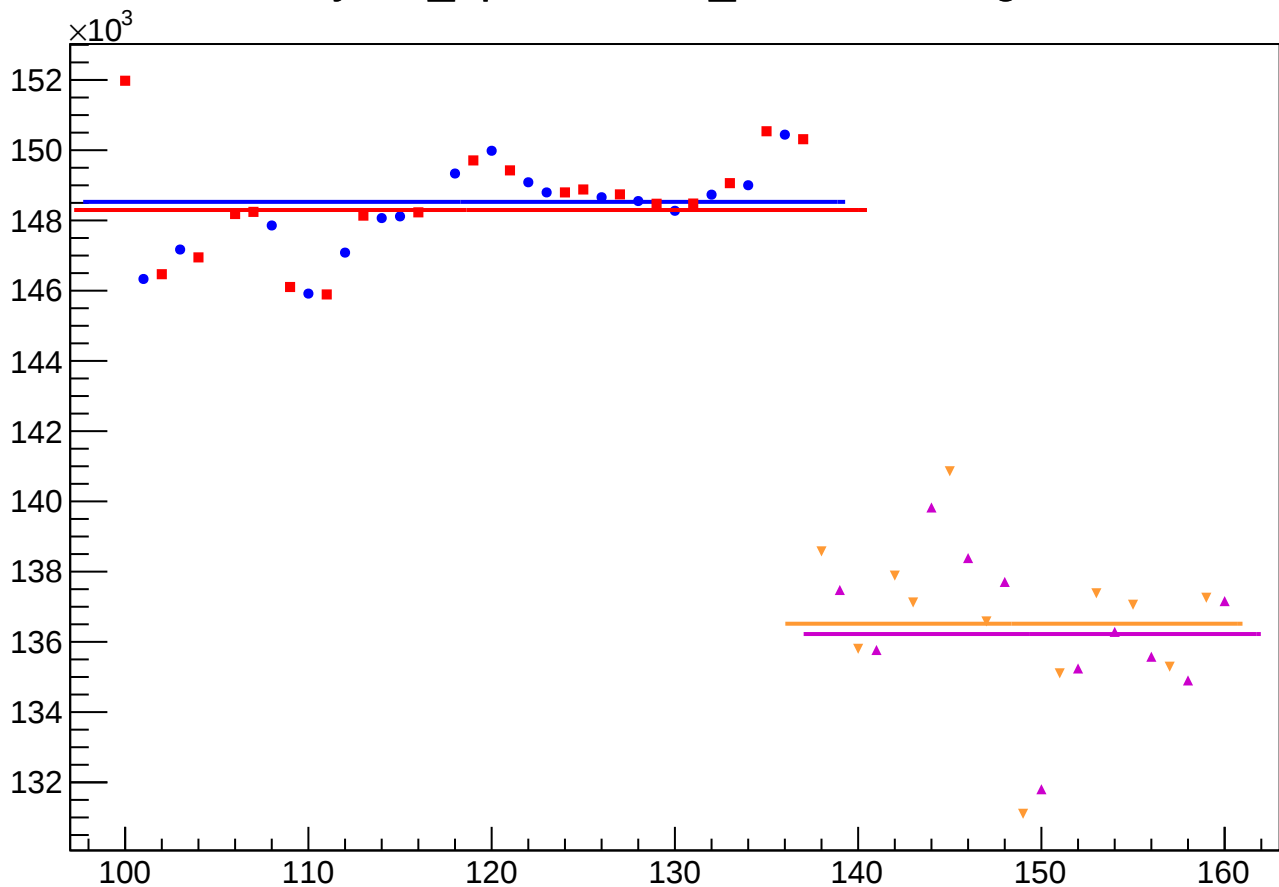
Right Out: 137.211 $\pm$ 0.039 χ^2 /NDF: 957317.1/18

Left In: 161.530 $\pm$ 0.039 χ^2 /NDF: 290090.1/10

153.609 $\pm$ 0.029 χ^2 /NDF: 1374812.6/28

149.211 $\pm$ 0.027 χ^2 /NDF: 1443697.2/29

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 ± 0.082 $\chi^2/\text{NDF}: 209986594.2/16$

Left Out: 136516.828 ± 0.084 $\chi^2/\text{NDF}: 766695653.9/11$

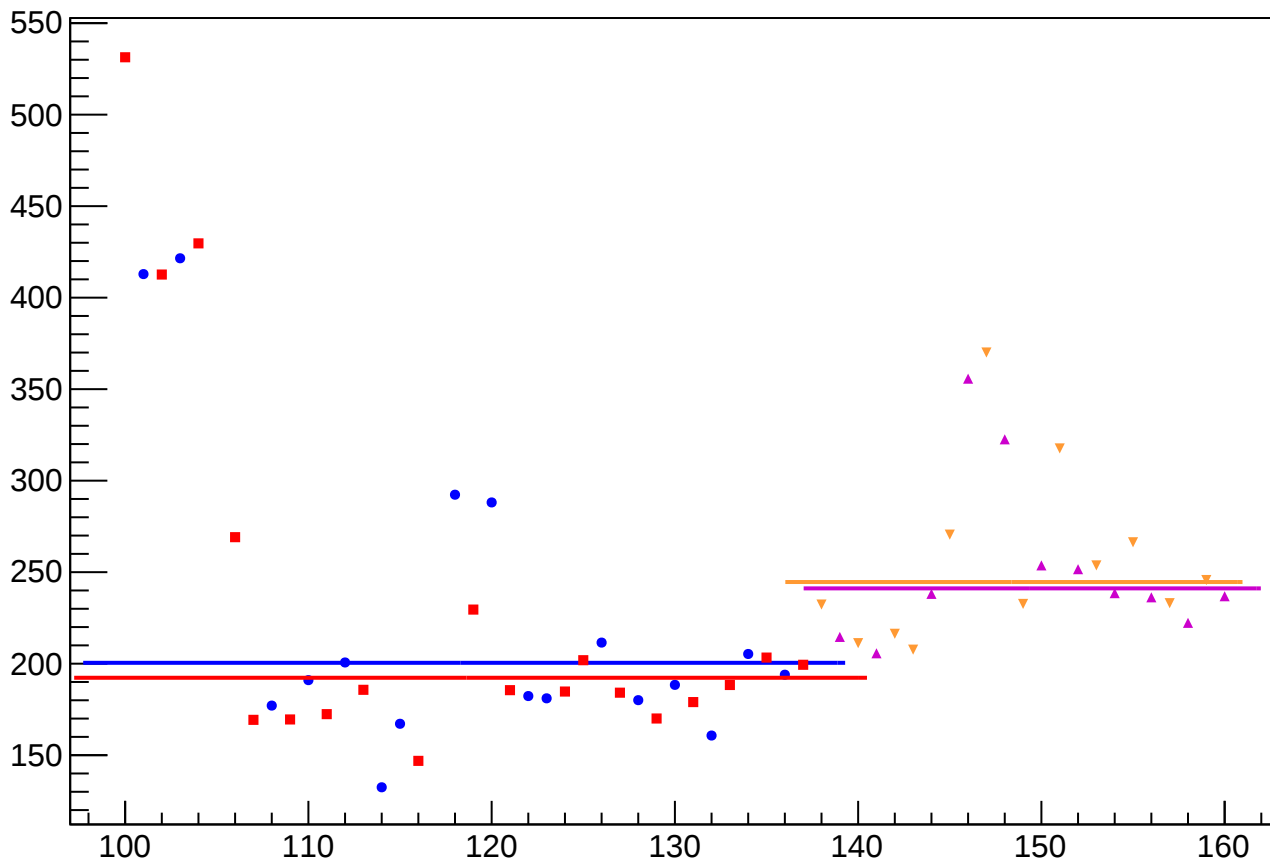
Right Out: 148297.126 ± 0.076 $\chi^2/\text{NDF}: 293244556.5/18$

Left In: 136223.140 ± 0.082 $\chi^2/\text{NDF}: 582792040.5/10$

142632.047 ± 0.059 $\chi^2/\text{NDF}: 11492816089.4/2$

142705.203 ± 0.056 $\chi^2/\text{NDF}: 12439839651.7/2$

yield_bpm0l02WS_rms vs Slug



Right In: 200.472+/-0.058 χ^2/NDF : 936547.2/16

Left Out: 244.620+/-0.059 χ^2/NDF : 390611.6/11

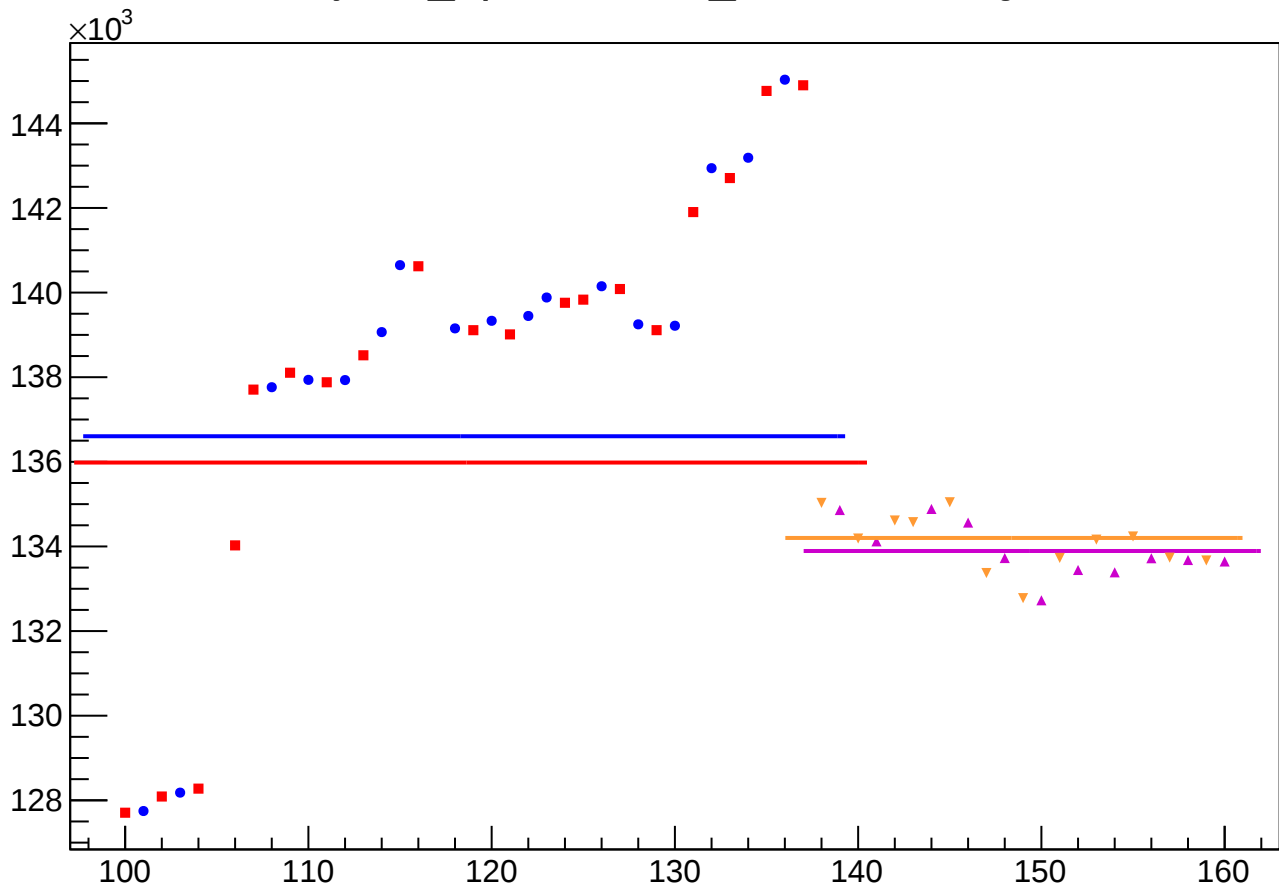
Right Out: 192.304+/-0.054 χ^2/NDF : 844504.1/18

Left In: 241.138+/-0.058 χ^2/NDF : 350693.9/10

222.145+/-0.041 χ^2/NDF : 1611261.4/28

214.921+/-0.040 χ^2/NDF : 1573522.0/29

yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16

Left Out: 134200.784 $\pm$ 0.197 χ^2 /NDF: 10879439.3/11

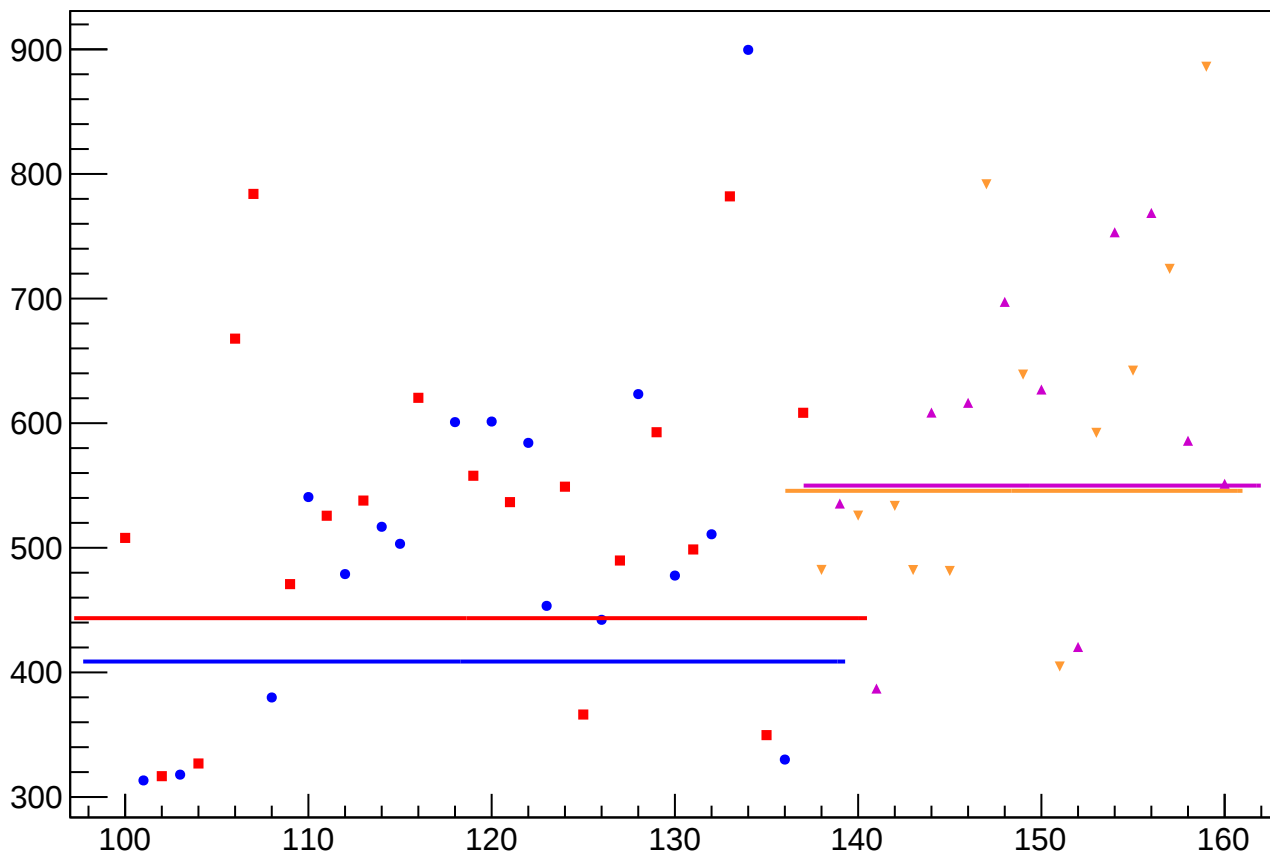
Right Out: 135982.842 $\pm$ 0.183 χ^2 /NDF: 1082431147.9/18

Left In: 133892.519 $\pm$ 0.204 χ^2 /NDF: 8972458.9/10

135566.239 $\pm$ 0.129 χ^2 /NDF: 1590162066.8/28

135050.529 $\pm$ 0.136 χ^2 /NDF: 1149798702.5/29

yield_bpm0l03WS_rms vs Slug



Right In: 408.729 ± 0.121 χ^2/NDF : 823262.8/16

Left Out: 545.711 ± 0.139 χ^2/NDF : 732821.4/11

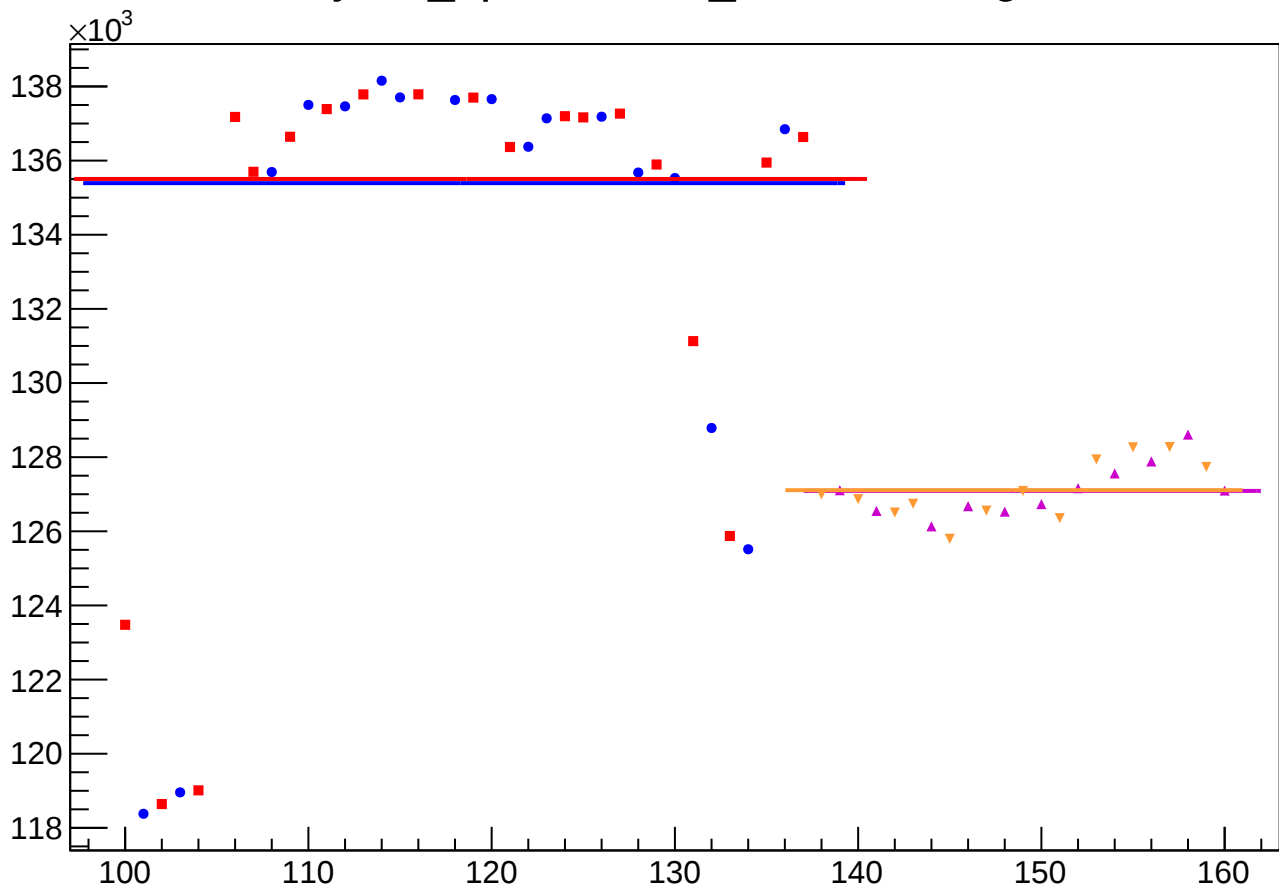
Right Out: 443.521 ± 0.129 χ^2/NDF : 917492.4/18

Left In: 549.917 ± 0.144 χ^2/NDF : 694997.3/10

467.902 ± 0.091 χ^2/NDF : 2107645.5/28

490.975 ± 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: 127109.294 $\pm$ 0.061 χ^2 /NDF: 150806721.5/11

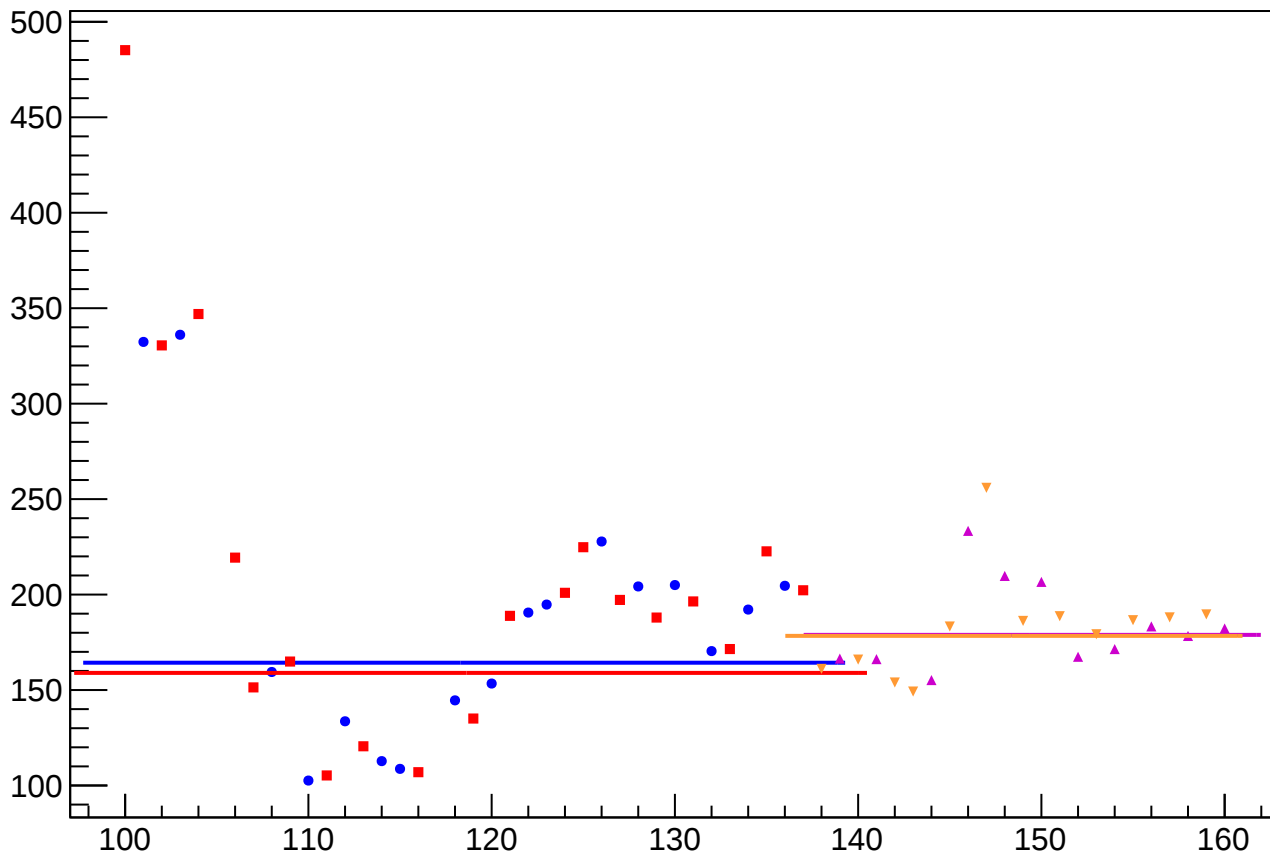
Right Out: 135504.836 $\pm$ 0.064 χ^2 /NDF: 4730667469.8/18

Left In: 127089.666 $\pm$ 0.061 χ^2 /NDF: 131351746.2/10

130765.677 $\pm$ 0.045 χ^2 /NDF: 12952272071.5/2

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: 178.375 ± 0.043 χ^2/NDF : 259435.3/11

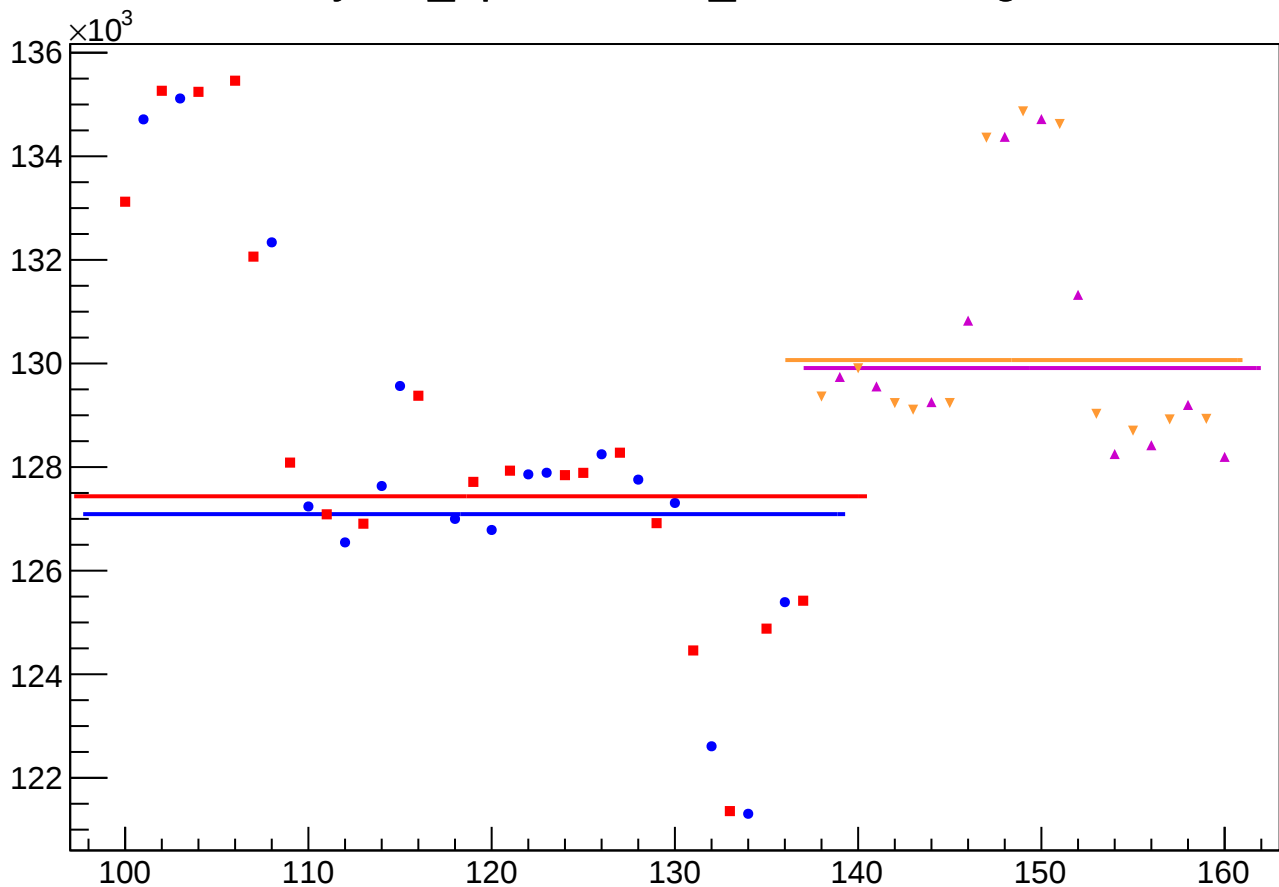
Right Out: 158.977 ± 0.046 χ^2/NDF : 1384059.2/18

Left In: 178.889 ± 0.043 χ^2/NDF : 218860.9/10

172.166 ± 0.032 χ^2/NDF : 1537337.7/28

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: 130065.939 $\pm$ 0.062 χ^2 /NDF: 1104003325.9/11

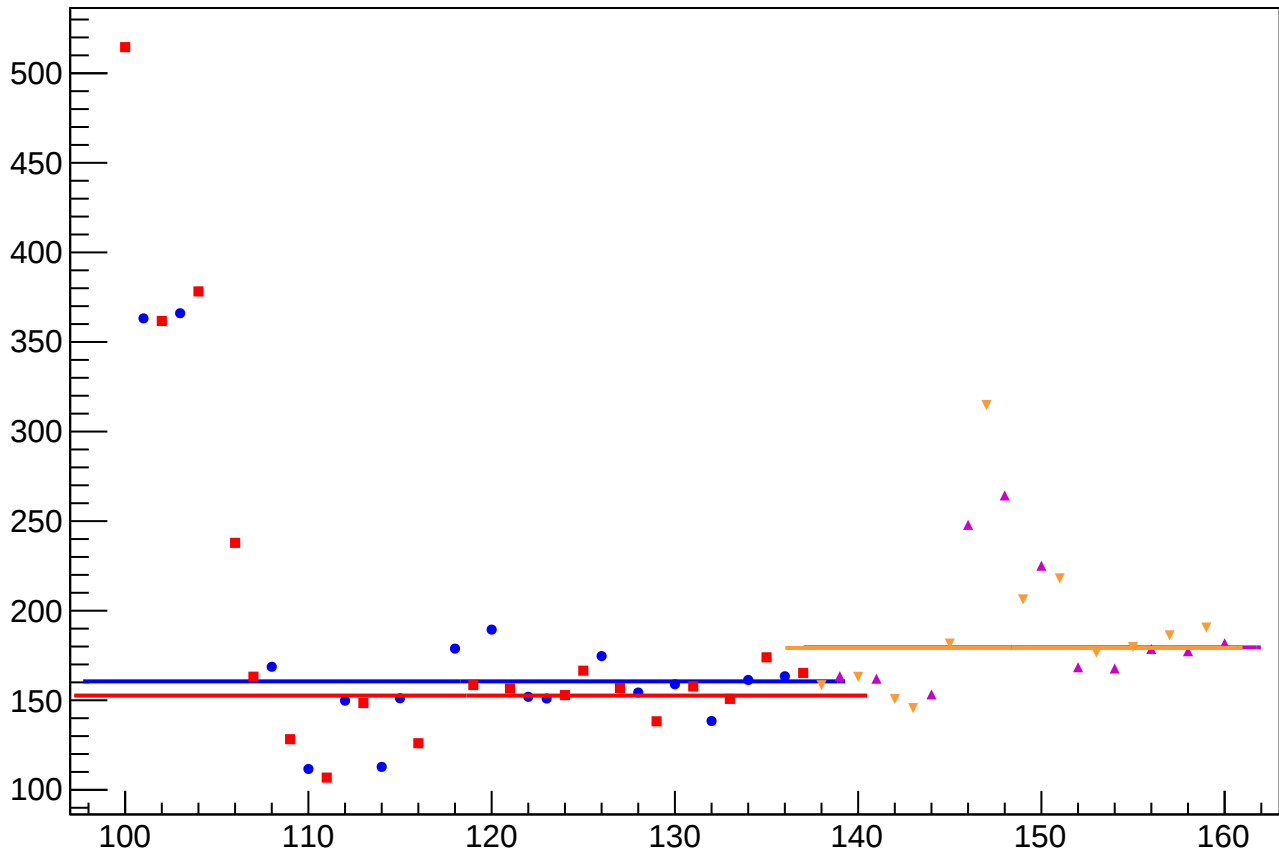
Right Out: 127436.101 $\pm$ 0.062 χ^2 /NDF: 2079075713.9/18

Left In: 129911.897 $\pm$ 0.061 χ^2 /NDF: 913584439.4/10

128687.037 $\pm$ 0.045 χ^2 /NDF: 3900752169.3/28

128675.139 $\pm$ 0.043 χ^2 /NDF: 3802533233.9/29

yield_bpm0l05WS_rms vs Slug



Right In: 160.564+/-0.047 χ^2/NDF : 942747.0/16

Left Out: 179.209+/-0.044 χ^2/NDF : 508797.7/11

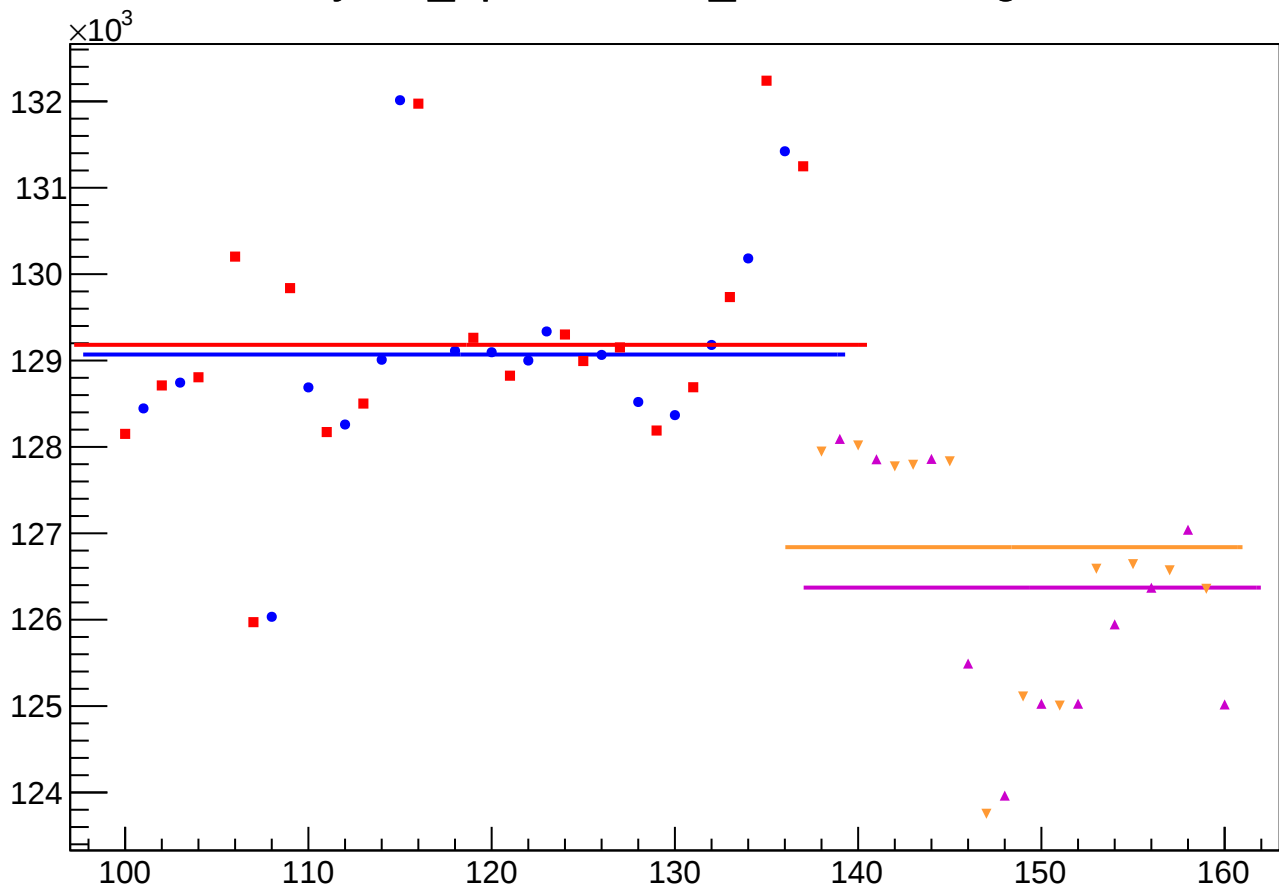
170.565+/-0.032 χ^2/NDF : 1536377.1/28

Right Out: 152.629+/-0.044 χ^2/NDF : 1086504.4/18

166.093+/-0.031 χ^2/NDF : 1724477.3/29

Left In: 179.533+/-0.043 χ^2/NDF : 446694.8/10

yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 ± 0.060 χ^2/NDF : 476692316.5/16

Left Out: 126839.584 ± 0.059 χ^2/NDF : 410369416.5/11

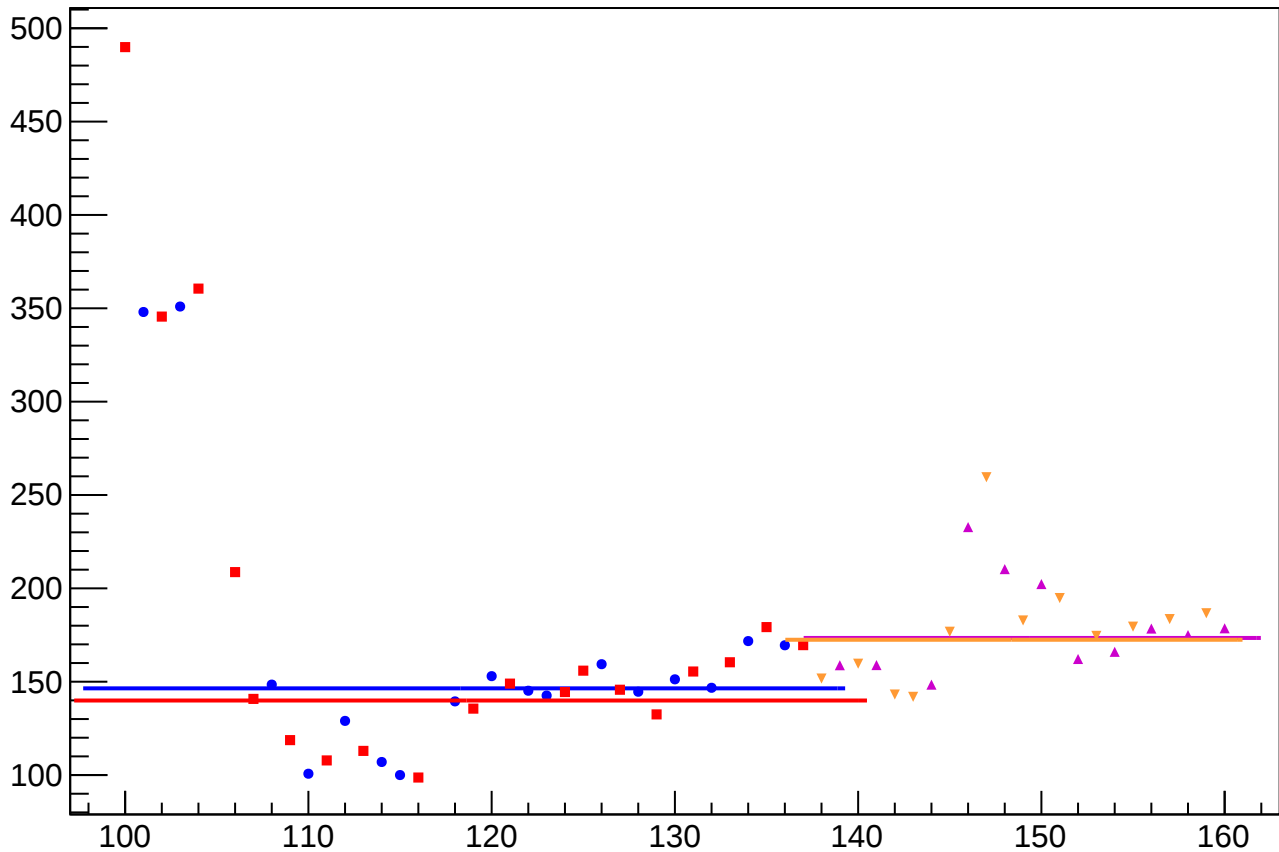
Right Out: 129181.887 ± 0.056 χ^2/NDF : 625597399.6/18

Left In: 126371.511 ± 0.059 χ^2/NDF : 506372064.2/10

127930.033 ± 0.042 χ^2/NDF : 1589043730.2/28

127848.503 ± 0.041 χ^2/NDF : 2323010365.5/29

yield_bpm0l06WS_rms vs Slug



Right In: 146.437+/-0.043 χ^2/NDF : 1064791.0/16

Left Out: 172.467+/-0.042 χ^2/NDF : 350681.2/11

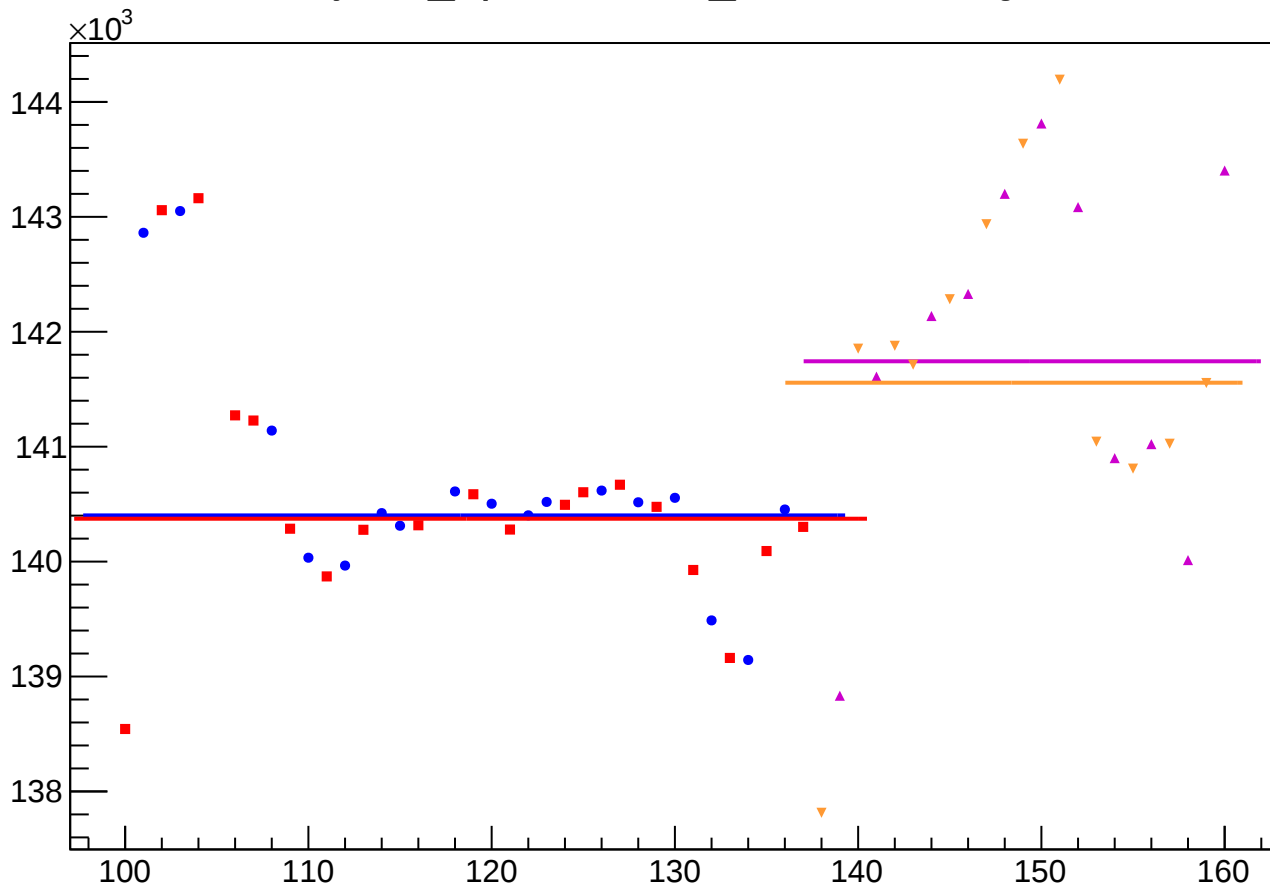
159.739+/-0.030 χ^2/NDF : 1606746.8/28

Right Out: 139.929+/-0.040 χ^2/NDF : 1203570.9/18

155.826+/-0.029 χ^2/NDF : 1814095.8/29

Left In: 173.435+/-0.042 χ^2/NDF : 271938.9/10

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 $\pm$ 0.064 χ^2 /NDF: 88071774.7/16

Left Out: 141556.739 $\pm$ 0.068 χ^2 /NDF: 556014285.4/11

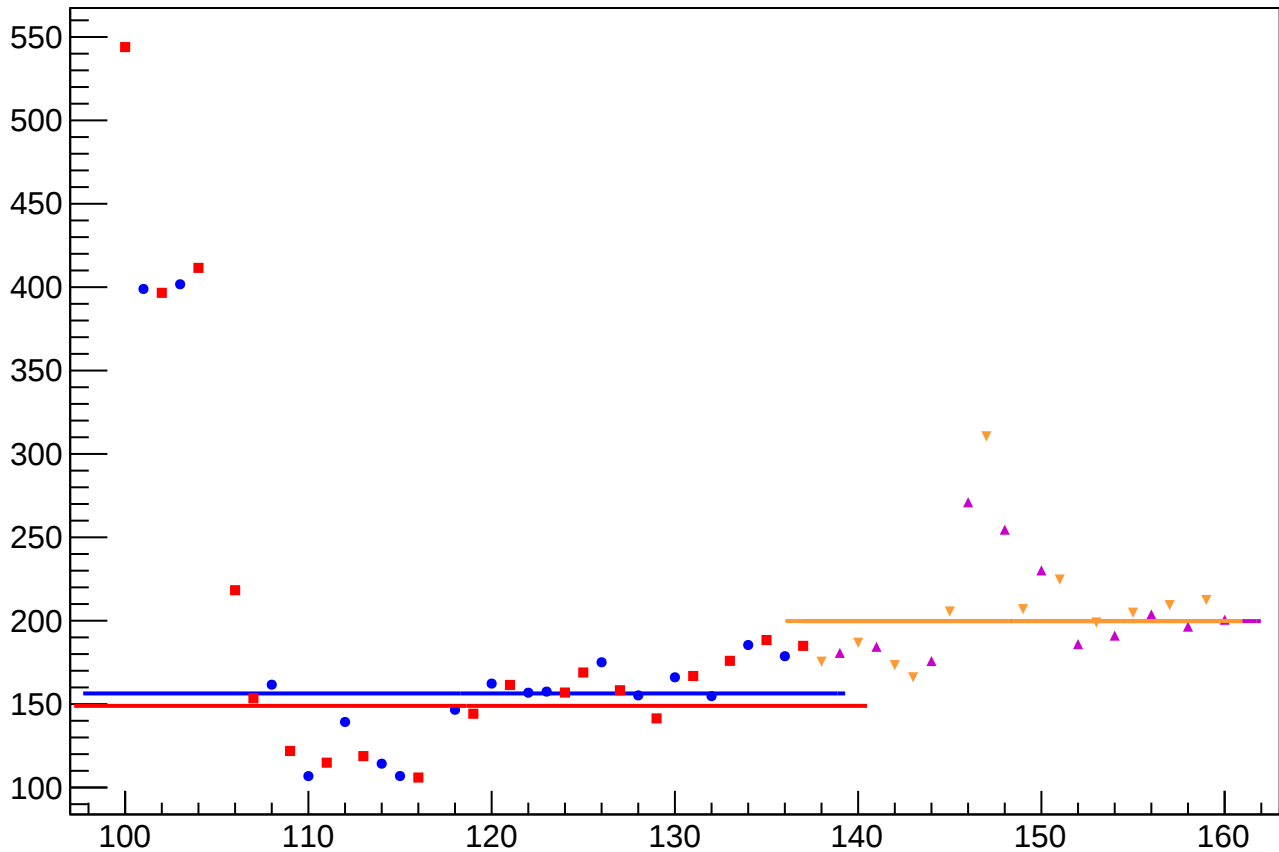
Right Out: 140373.163 $\pm$ 0.060 χ^2 /NDF: 99854533.3/18

Left In: 141743.141 $\pm$ 0.068 χ^2 /NDF: 462422764.2/10

140944.672 $\pm$ 0.047 χ^2 /NDF: 795422248.9/28

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: 199.809+/-0.048 χ^2/NDF : 336274.4/11

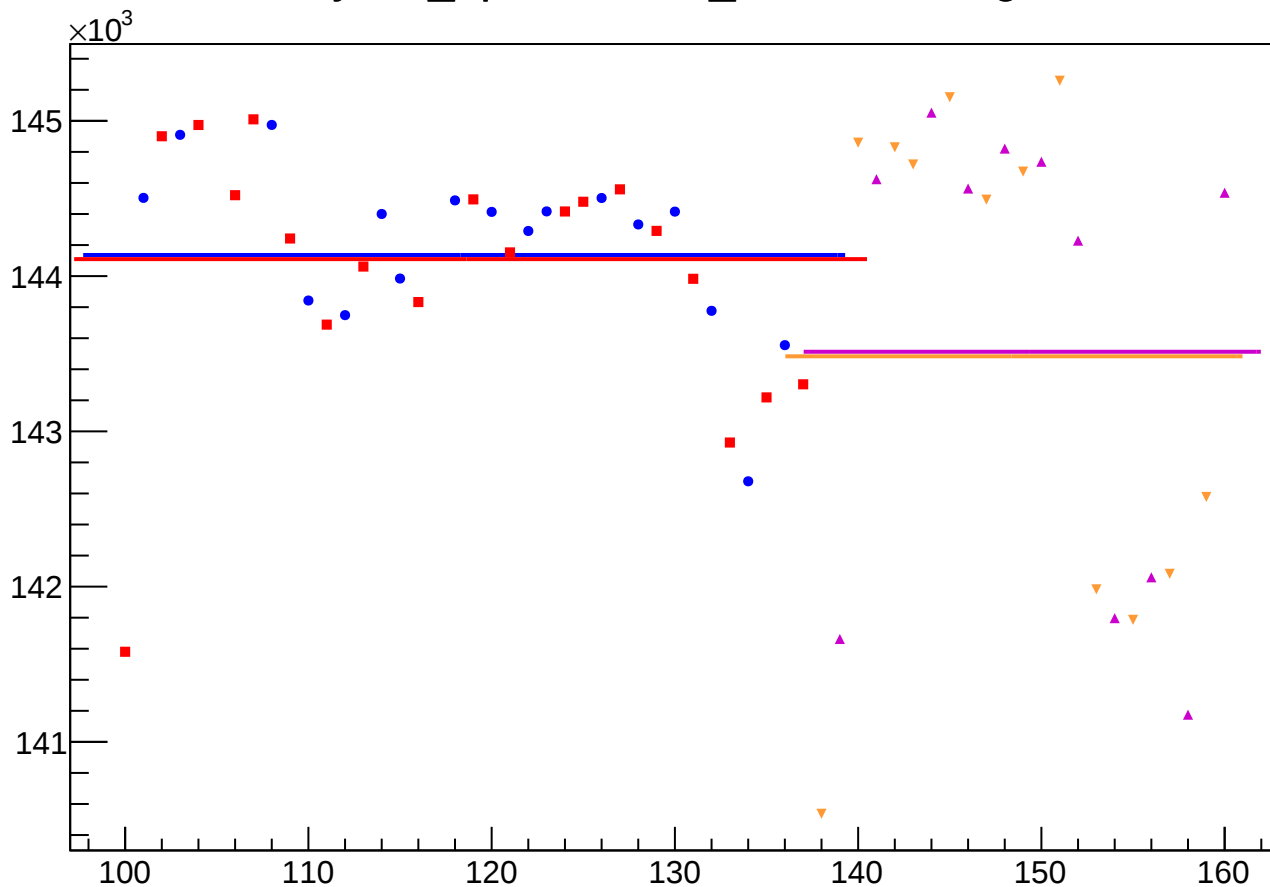
176.796+/-0.033 χ^2/NDF : 1918928.0/28

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 ± 0.067 χ^2/NDF : 47069480.3/16

Left Out: 143483.406 ± 0.068 χ^2/NDF : 583605630.3/11

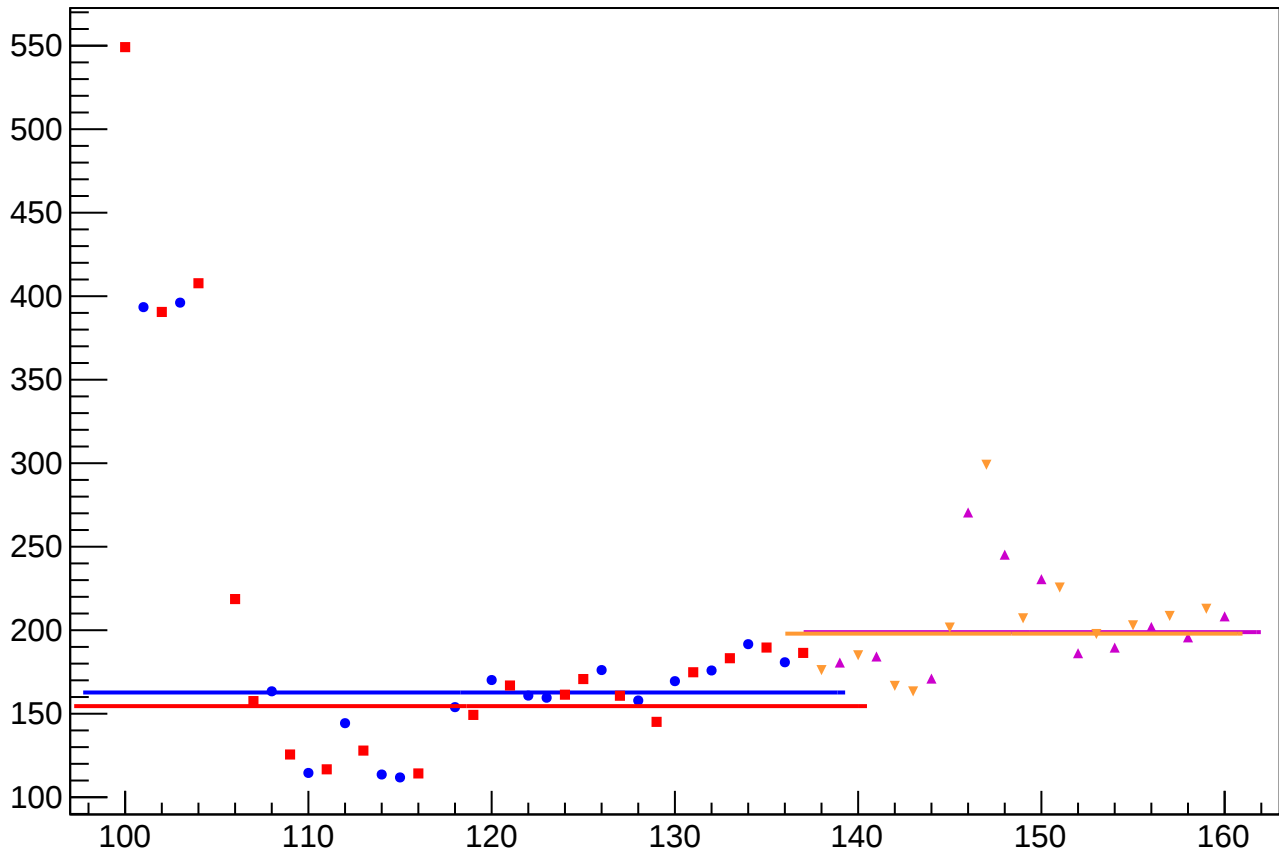
Right Out: 144109.419 ± 0.062 χ^2/NDF : 65258627.2/18

Left In: 143512.792 ± 0.068 χ^2/NDF : 480971458.7/10

143813.999 ± 0.048 χ^2/NDF : 677836098.2/28

143838.408 ± 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

Left Out: 197.951 ± 0.048 χ^2/NDF : 333654.1/11

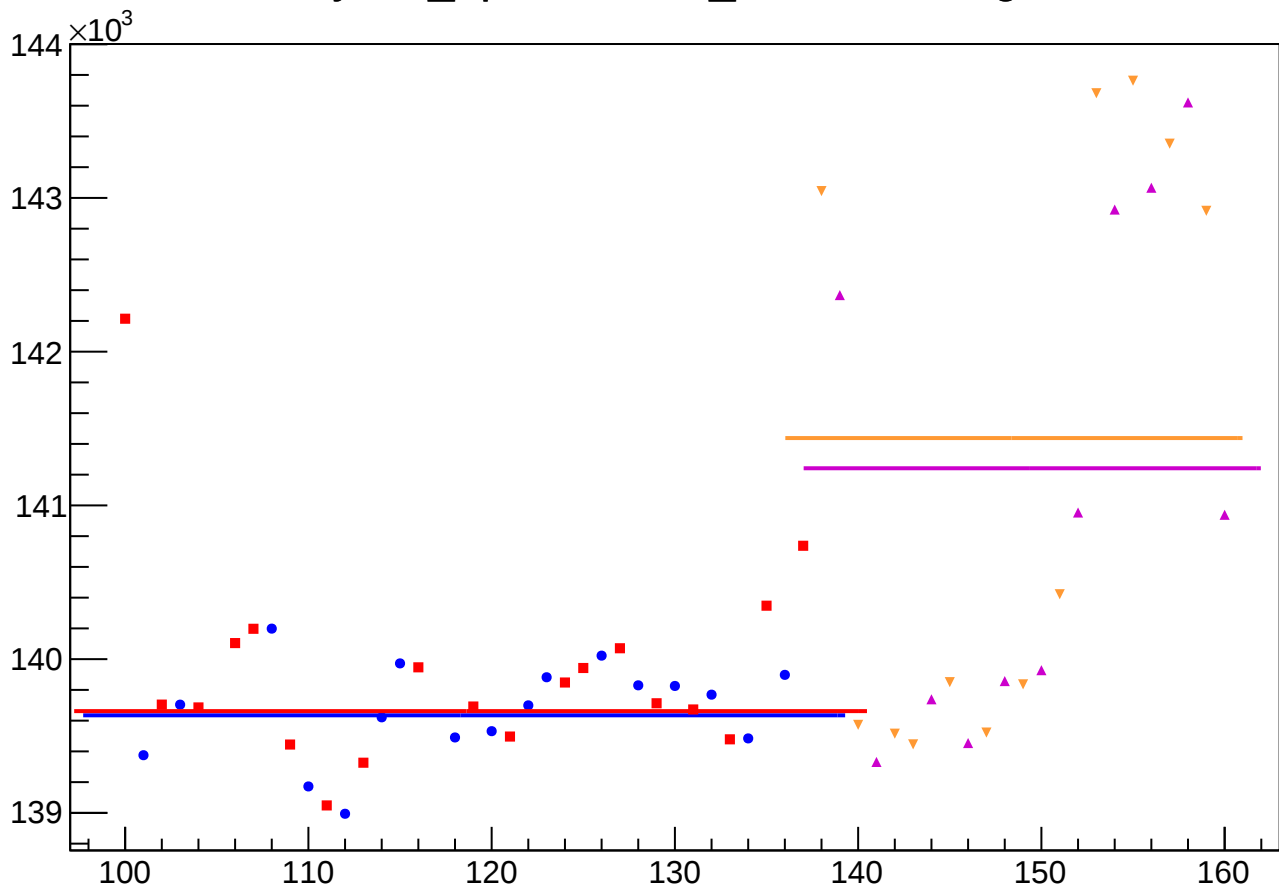
Right Out: 154.547 ± 0.044 χ^2/NDF : 1217495.9/18

Left In: 198.856 ± 0.048 χ^2/NDF : 281554.8/10

180.104 ± 0.034 χ^2/NDF : 1675032.1/28

174.674 ± 0.032 χ^2/NDF : 1965026.3/29

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700+/-0.068 χ^2/NDF : 24844912.0/16

Left Out: 141438.060+/-0.071 χ^2/NDF : 643987726.5/11

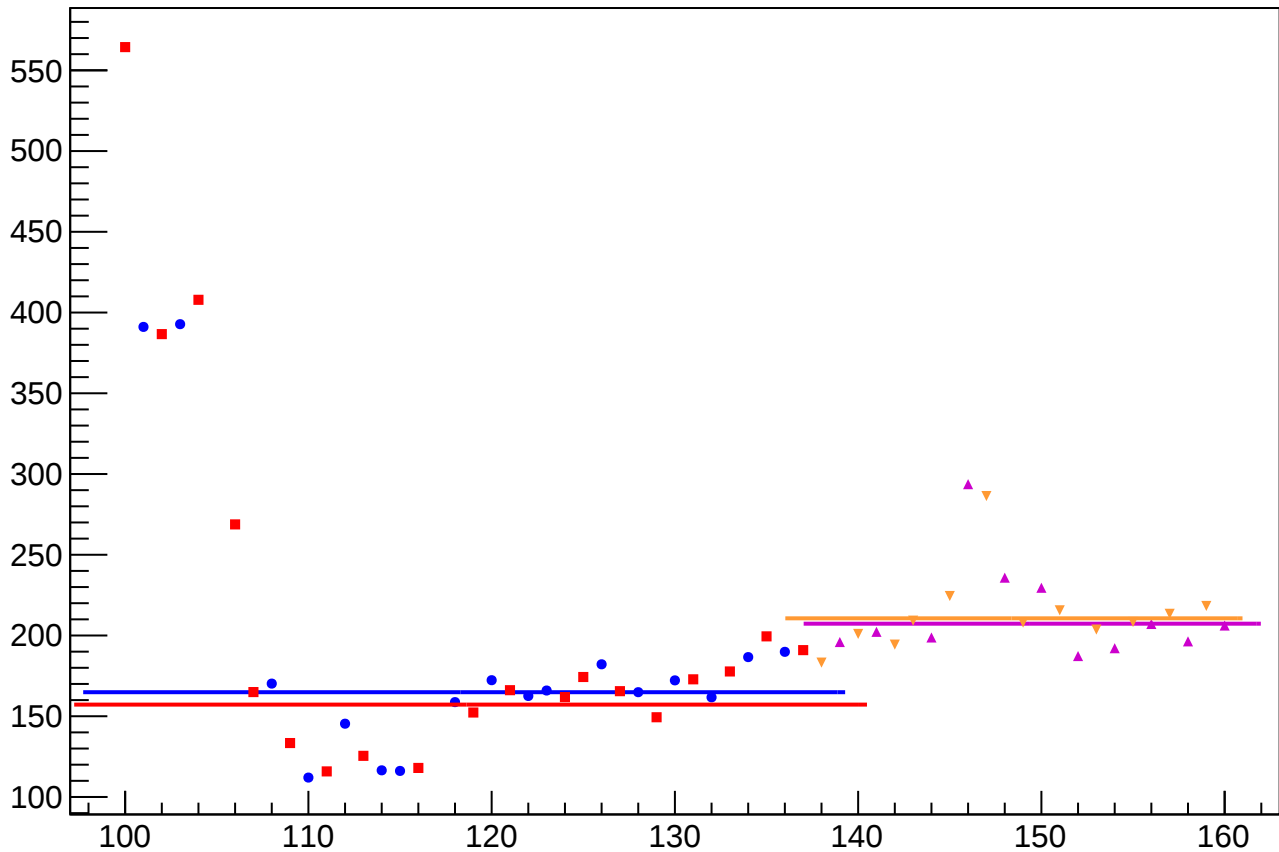
Right Out: 139661.970+/-0.063 χ^2/NDF : 38372985.0/18

Left In: 141241.588+/-0.071 χ^2/NDF : 472694208.8/10

140488.399+/-0.049 χ^2/NDF : 1003977046.0/28

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: 210.635 ± 0.051 χ^2/NDF : 161179.1/11

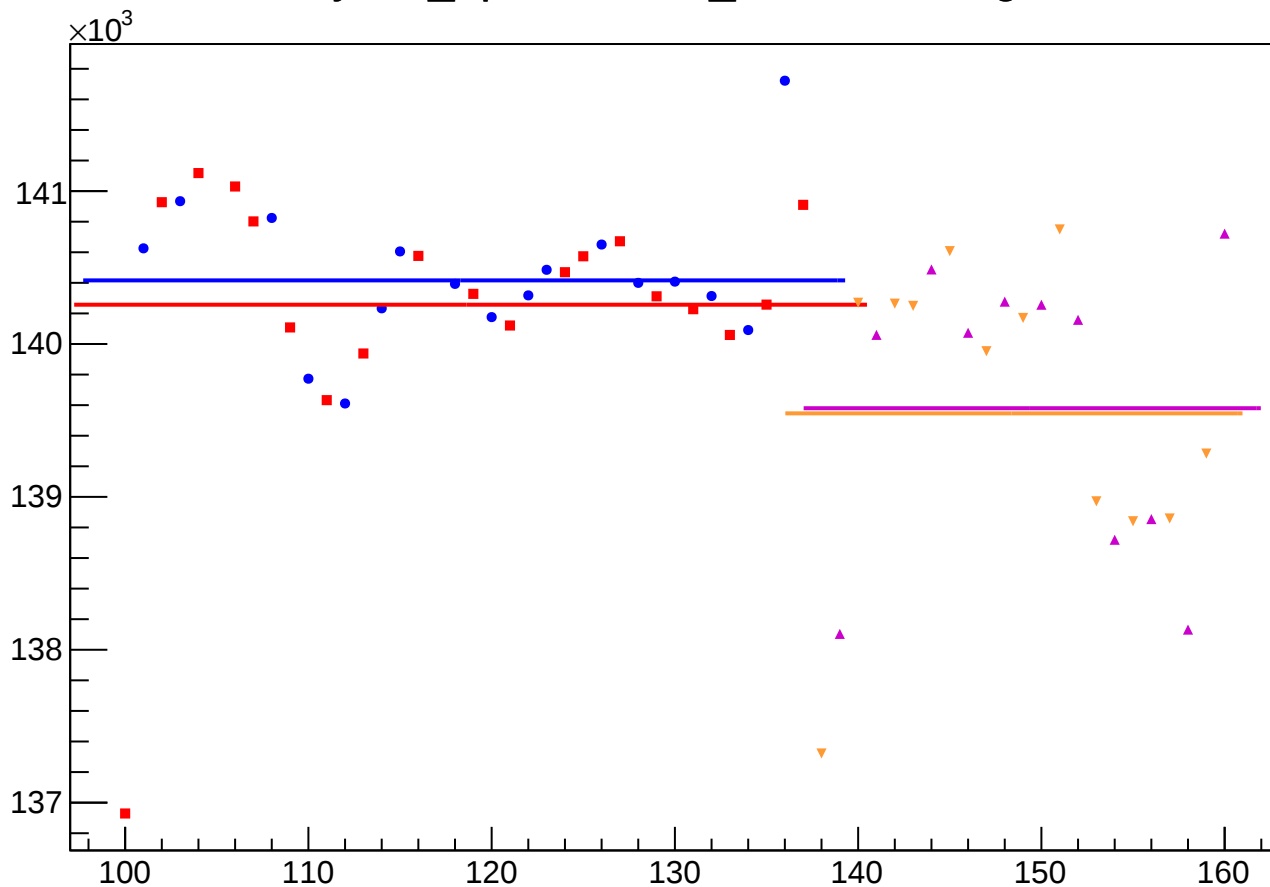
Right Out: 157.207 ± 0.045 χ^2/NDF : 1245030.9/18

Left In: 207.317 ± 0.050 χ^2/NDF : 215856.5/10

186.542 ± 0.035 χ^2/NDF : 1658856.5/28

179.439 ± 0.033 χ^2/NDF : 2021600.0/29

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 ± 0.068 χ^2/NDF : 69975821.3/16

Left Out: 139546.316 ± 0.066 χ^2/NDF : 234038023.3/11

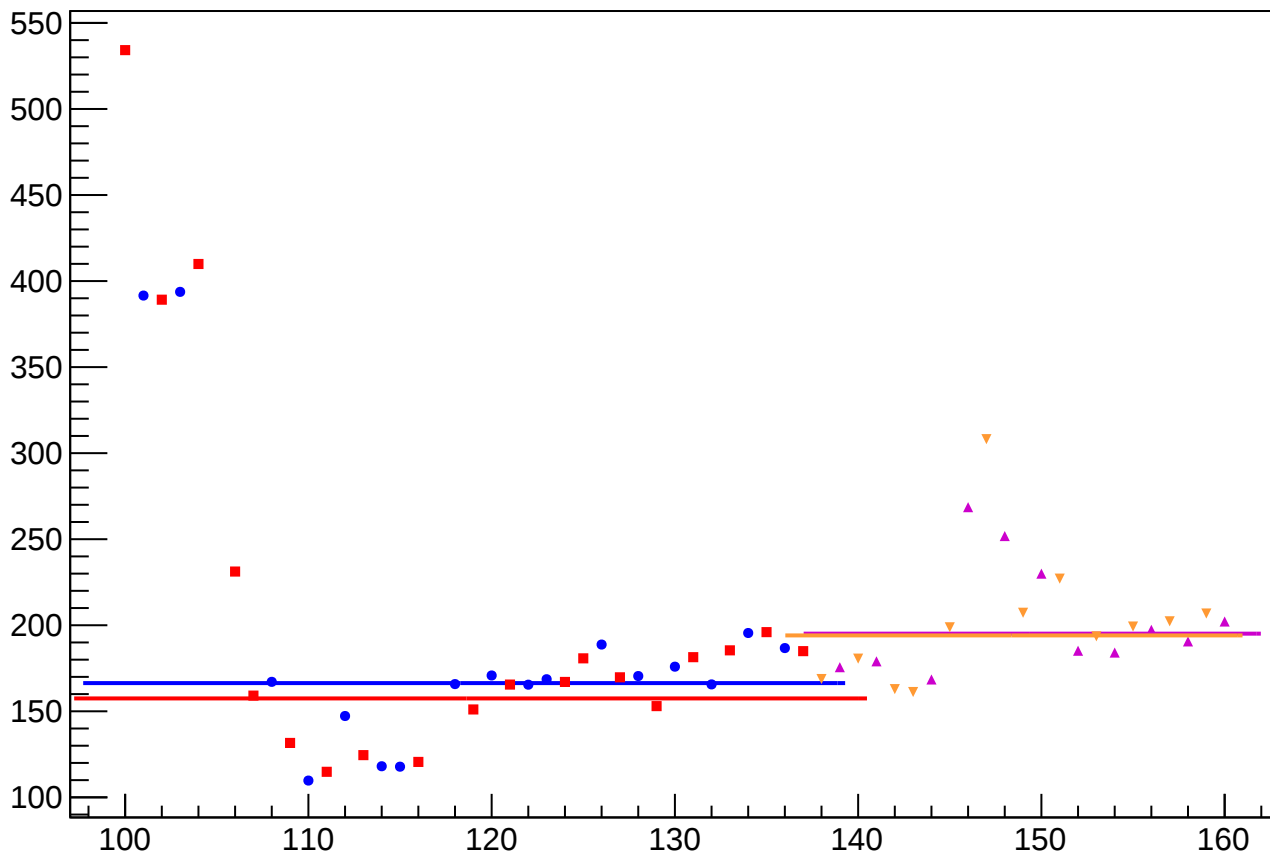
Right Out: 140256.992 ± 0.063 χ^2/NDF : 38063371.4/18

Left In: 139579.948 ± 0.067 χ^2/NDF : 202517256.7/10

139967.980 ± 0.048 χ^2/NDF : 387327695.8/28

139936.252 ± 0.046 χ^2/NDF : 295045031.0/29

yield_bpm0l10WS_rms vs Slug



Right In: 166.388 ± 0.048 χ^2/NDF : 1080964.8/16

Left Out: 194.094 ± 0.047 χ^2/NDF : 387628.9/11

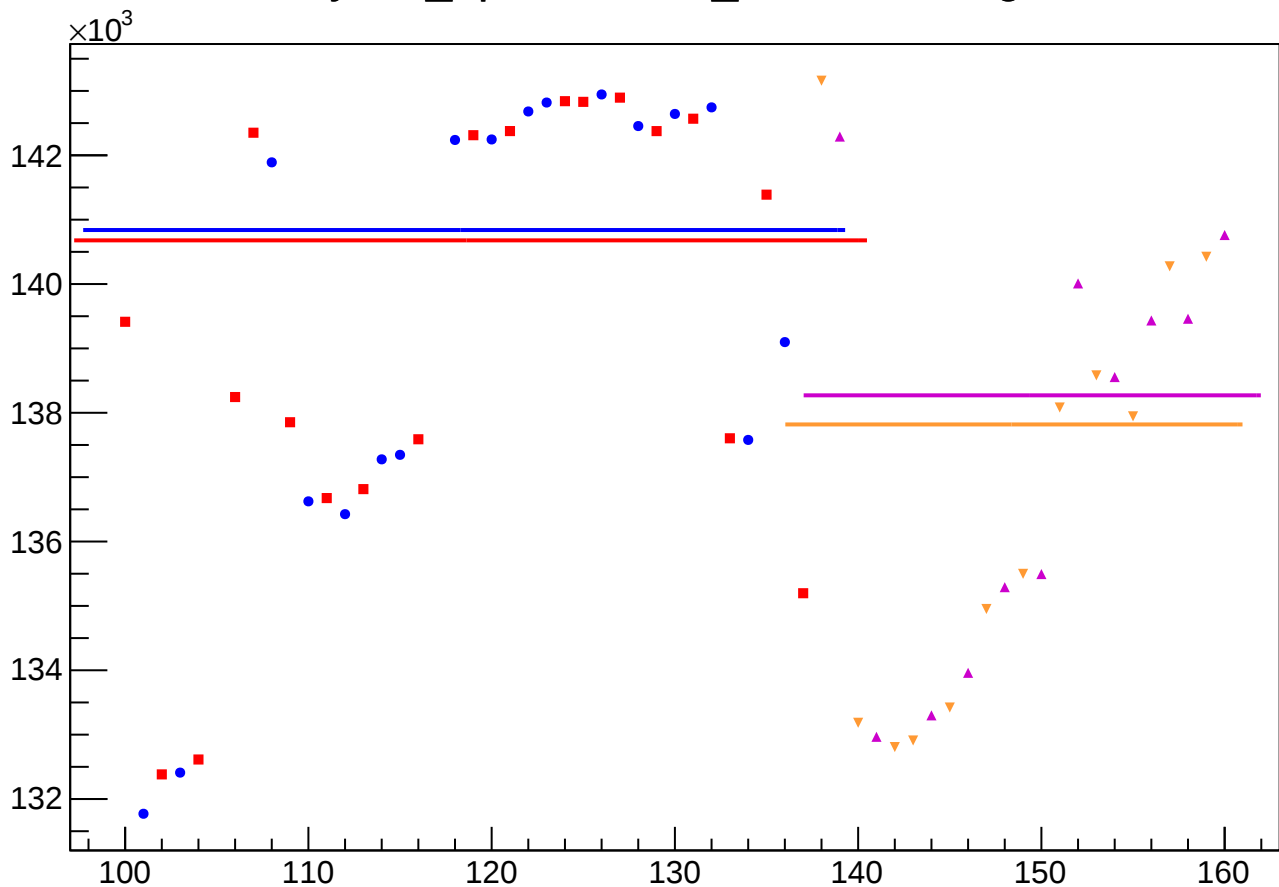
Right Out: 157.475 ± 0.045 χ^2/NDF : 1229886.8/18

Left In: 195.118 ± 0.047 χ^2/NDF : 321184.0/10

180.662 ± 0.034 χ^2/NDF : 1637683.8/28

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: 137818.973 $\pm$ 0.103 χ^2 /NDF: 1245291237.4/11

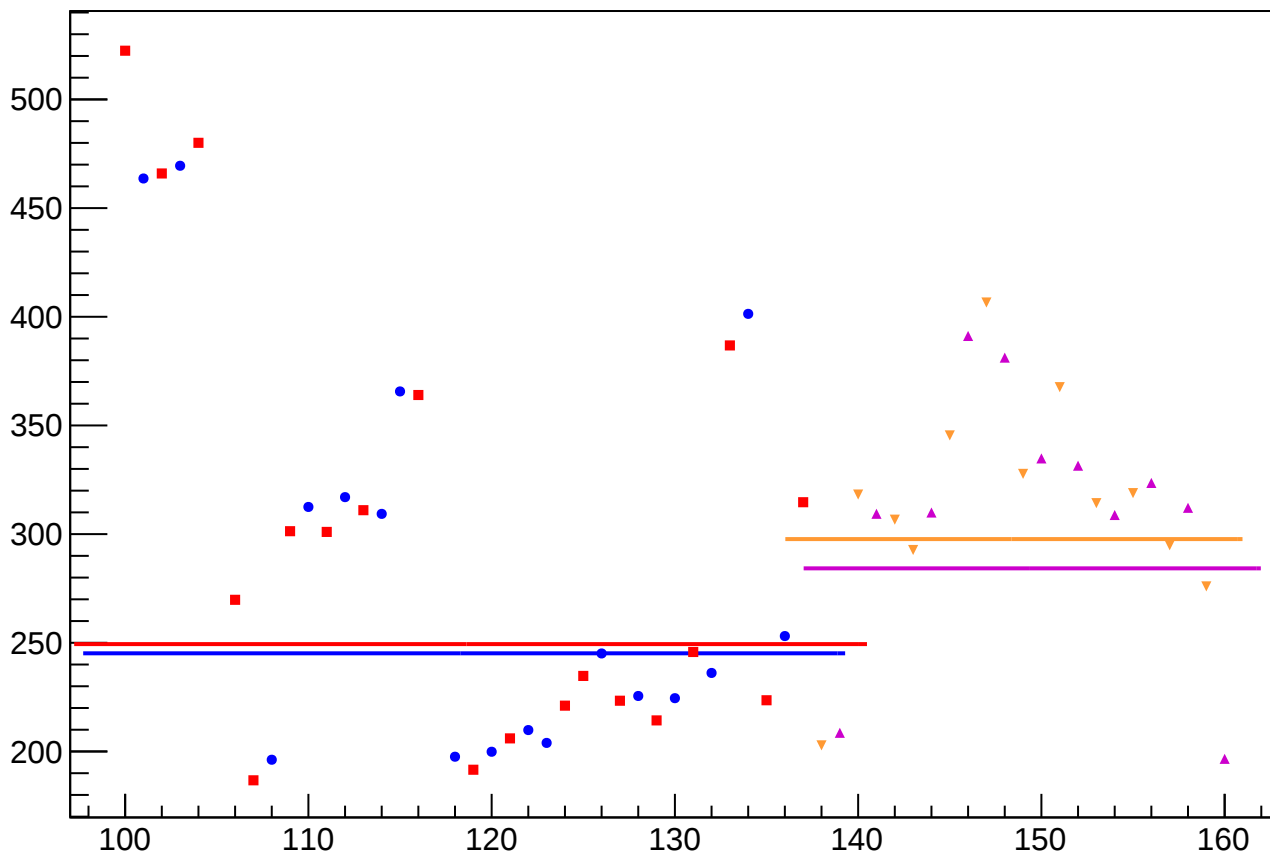
Right Out: 140678.513 $\pm$ 0.099 χ^2 /NDF: 840695274.4/18

Left In: 138271.175 $\pm$ 0.099 χ^2 /NDF: 1058324388.5/10

139374.798 $\pm$ 0.072 χ^2 /NDF: 2510123287.0/28

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: 297.715 ± 0.073 χ^2/NDF : 543307.8/11

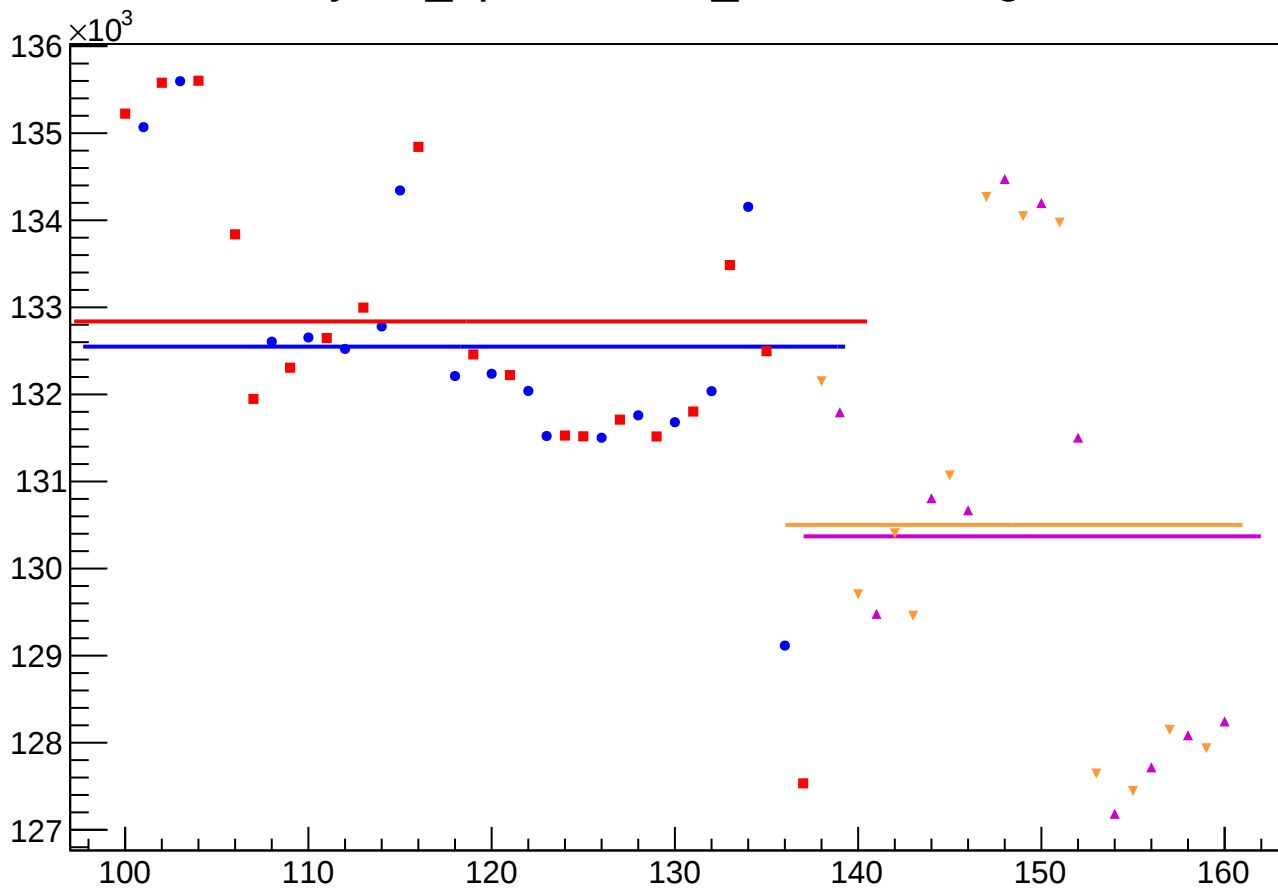
Right Out: 249.397 ± 0.070 χ^2/NDF : 1009731.2/18

Left In: 284.248 ± 0.070 χ^2/NDF : 835091.8/10

270.641 ± 0.051 χ^2/NDF : 1680584.7/28

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: 130501.716 $\pm$ 0.084 χ^2 /NDF: 564928513.5/11

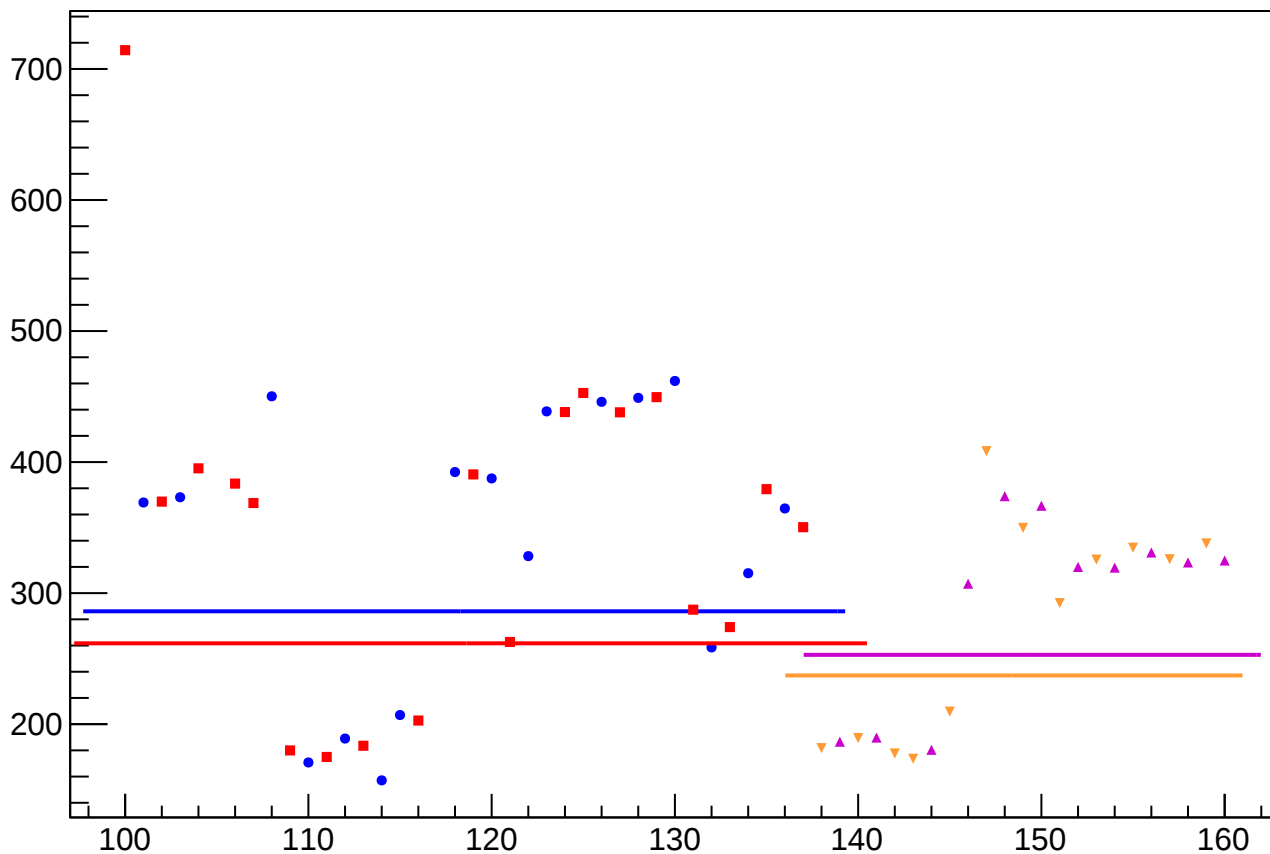
Right Out: 132838.294 $\pm$ 0.107 χ^2 /NDF: 149611447.6/18

Left In: 130370.198 $\pm$ 0.089 χ^2 /NDF: 469315688.5/10

131182.800 $\pm$ 0.069 χ^2 /NDF: 922304191.8/28

131381.977 $\pm$ 0.069 χ^2 /NDF: 932282166.0/29

yield_bpm0r05WS_rms vs Slug



Right In: 286.122+/-0.084 χ^2/NDF : 1525266.4/16

Left Out: 237.185+/-0.060 χ^2/NDF :1508690.0/11

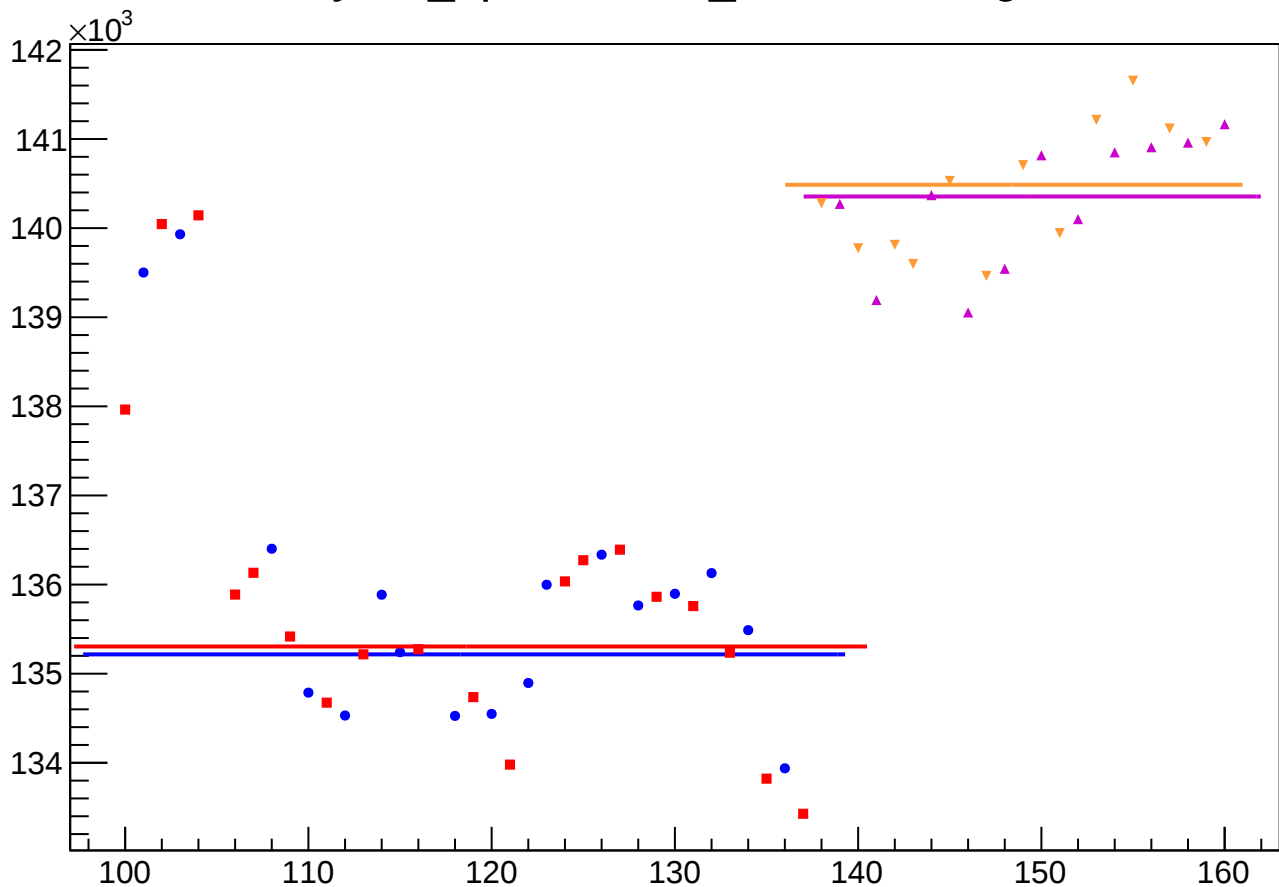
Right Out: 261.686+/-0.076 χ^2/NDF : 1623174.1/18

Left In: 252.903+/-0.063 χ^2/NDF :1379665.9/10

253.466+/-0.049 χ^2/NDF : 3258258.3/28

256.504+/-0.048 χ^2/NDF : 3010776.8/29

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 $\pm$ 0.054 χ^2 /NDF: 371347707.3/16

Left Out: 140486.347 $\pm$ 0.062 χ^2 /NDF: 123491739.2/11

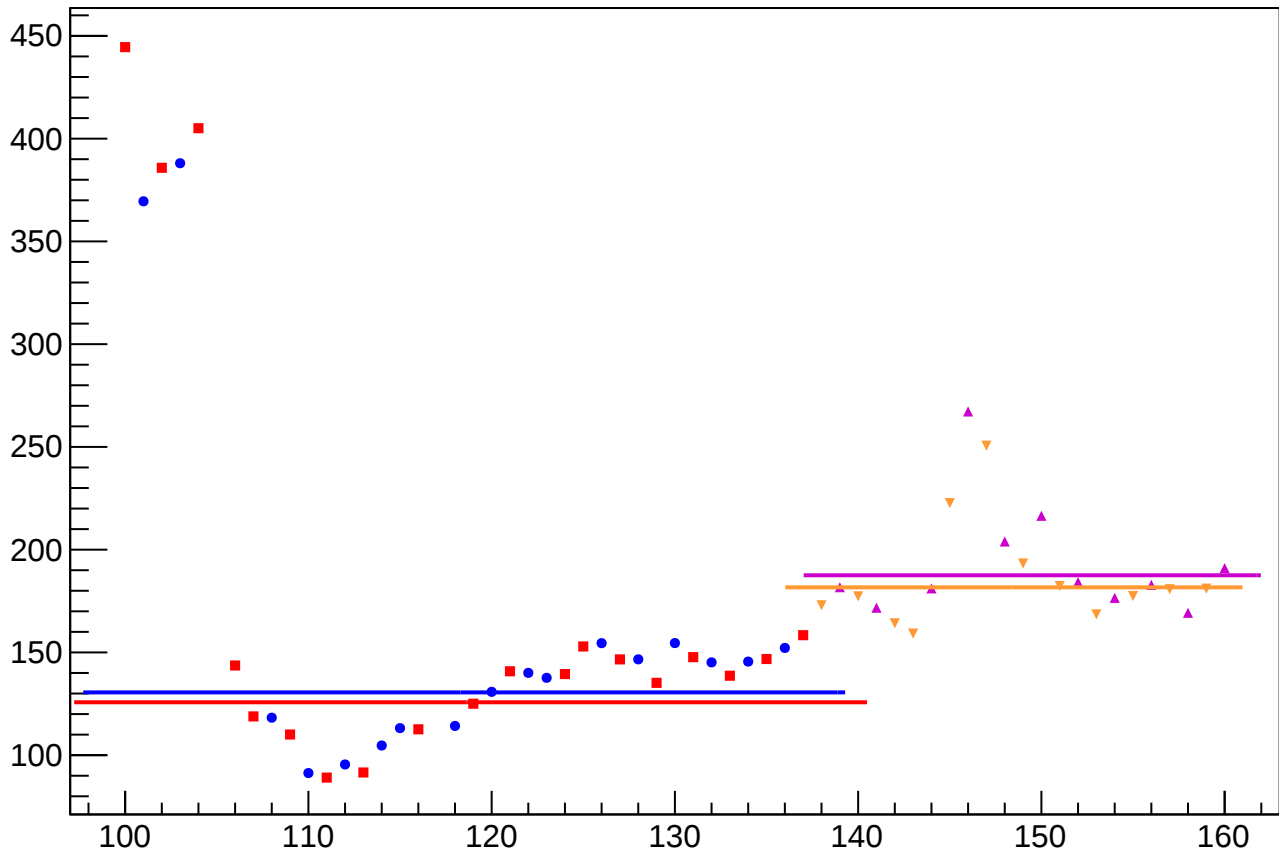
Right Out: 135305.135 $\pm$ 0.051 χ^2 /NDF: 357636841.6/18

Left In: 140354.812 $\pm$ 0.064 χ^2 /NDF: 111867190.0/10

137508.449 $\pm$ 0.041 χ^2 /NDF: 4582580538.9/28

137275.178 $\pm$ 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: 181.677 ± 0.044 χ^2/NDF : 217884.6/11

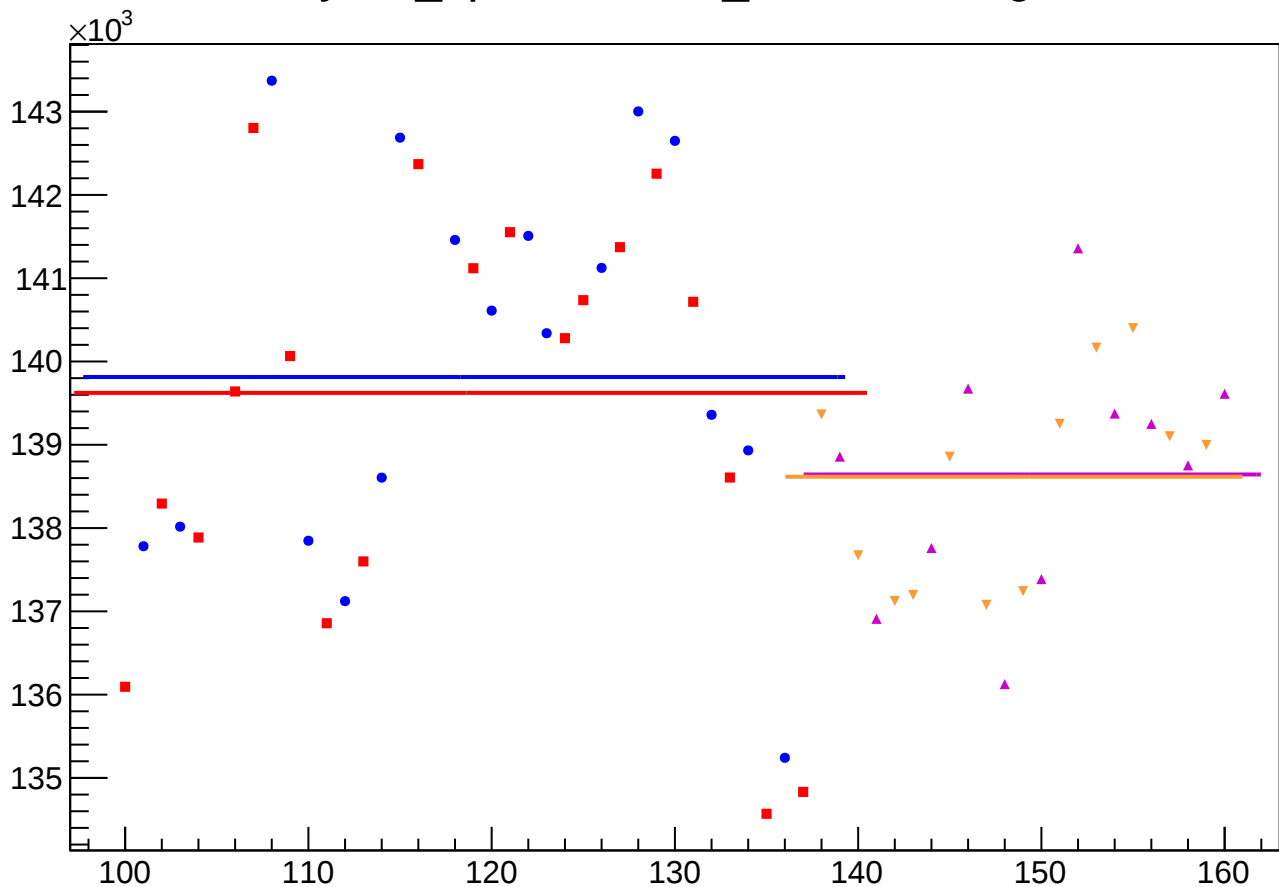
Right Out: 125.746 ± 0.036 χ^2/NDF : 1440002.5/18

Left In: 187.541 ± 0.045 χ^2/NDF : 216962.1/10

152.786 ± 0.029 χ^2/NDF : 2360489.0/28

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: 138616.282 $\pm$ 0.064 χ^2 /NDF: 326841593.8/11

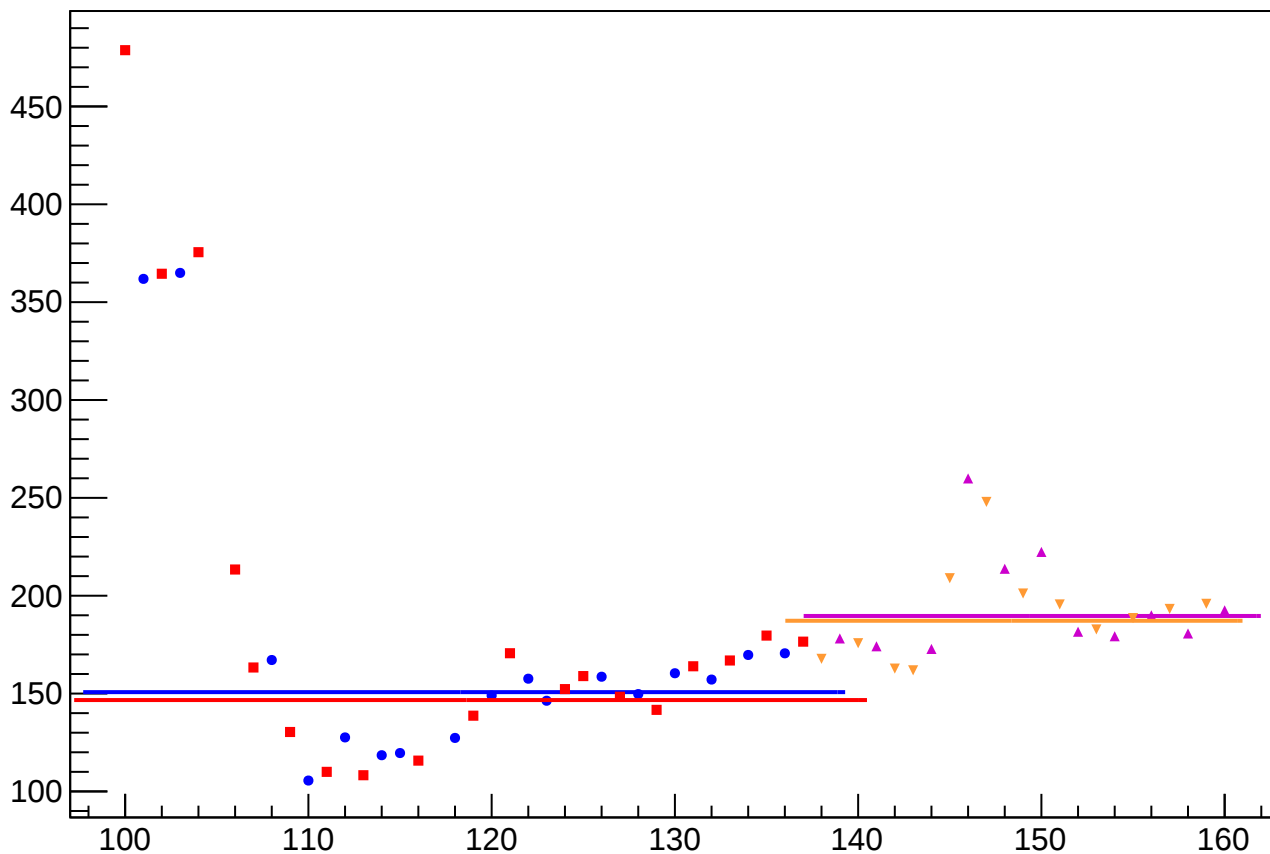
Right Out: 139623.387 $\pm$ 0.059 χ^2 /NDF: 1505731109.1/18

Left In: 138643.408 $\pm$ 0.065 χ^2 /NDF: 470122417.1/10

139234.381 $\pm$ 0.044 χ^2 /NDF: 2197602924.8/28

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: 187.204 ± 0.045 χ^2/NDF : 199595.8/11

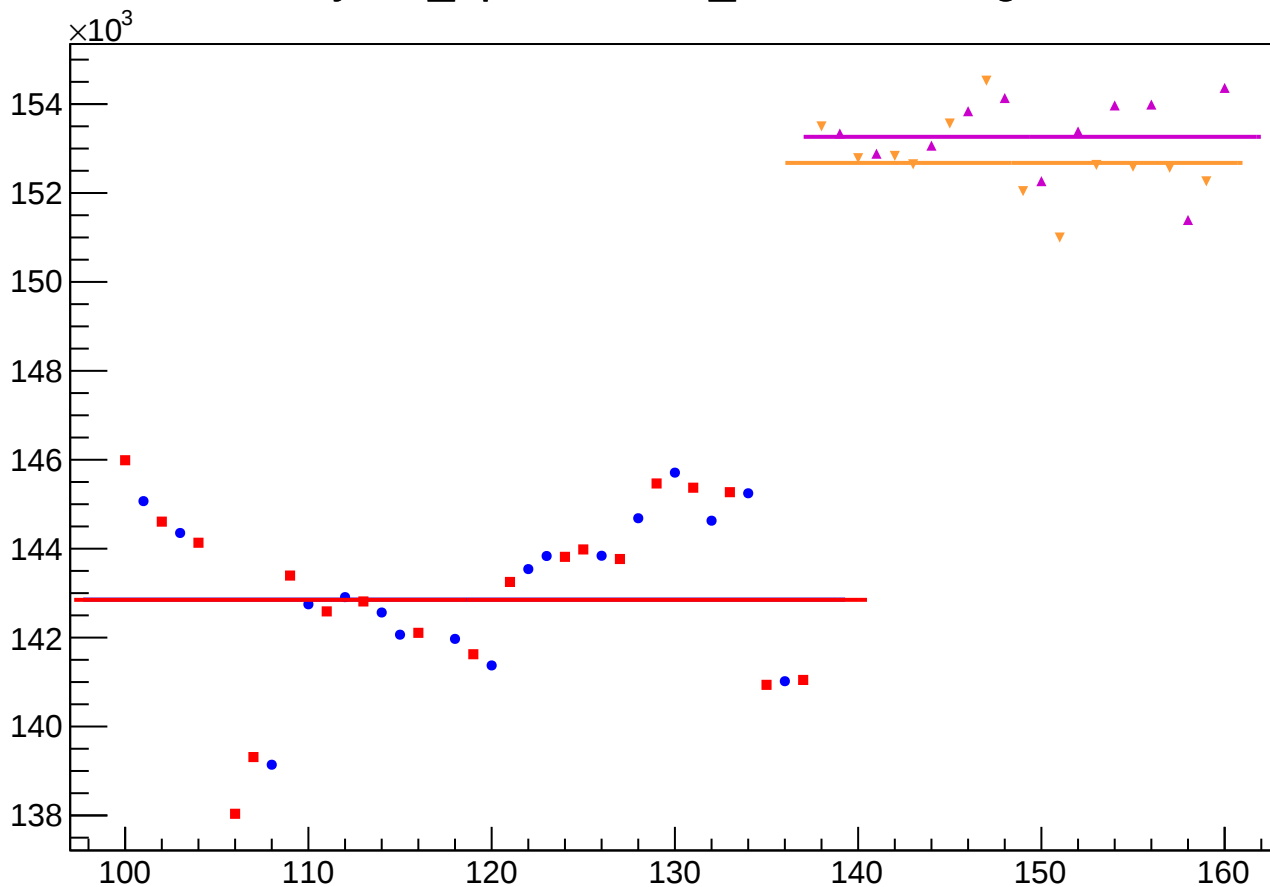
Right Out: 146.686 ± 0.042 χ^2/NDF : 1203106.6/18

Left In: 189.653 ± 0.046 χ^2/NDF : 215587.8/10

168.378 ± 0.031 χ^2/NDF : 1585325.7/28

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: 152677.208 $\pm$ 0.065 χ^2 /NDF: 142352382.6/11

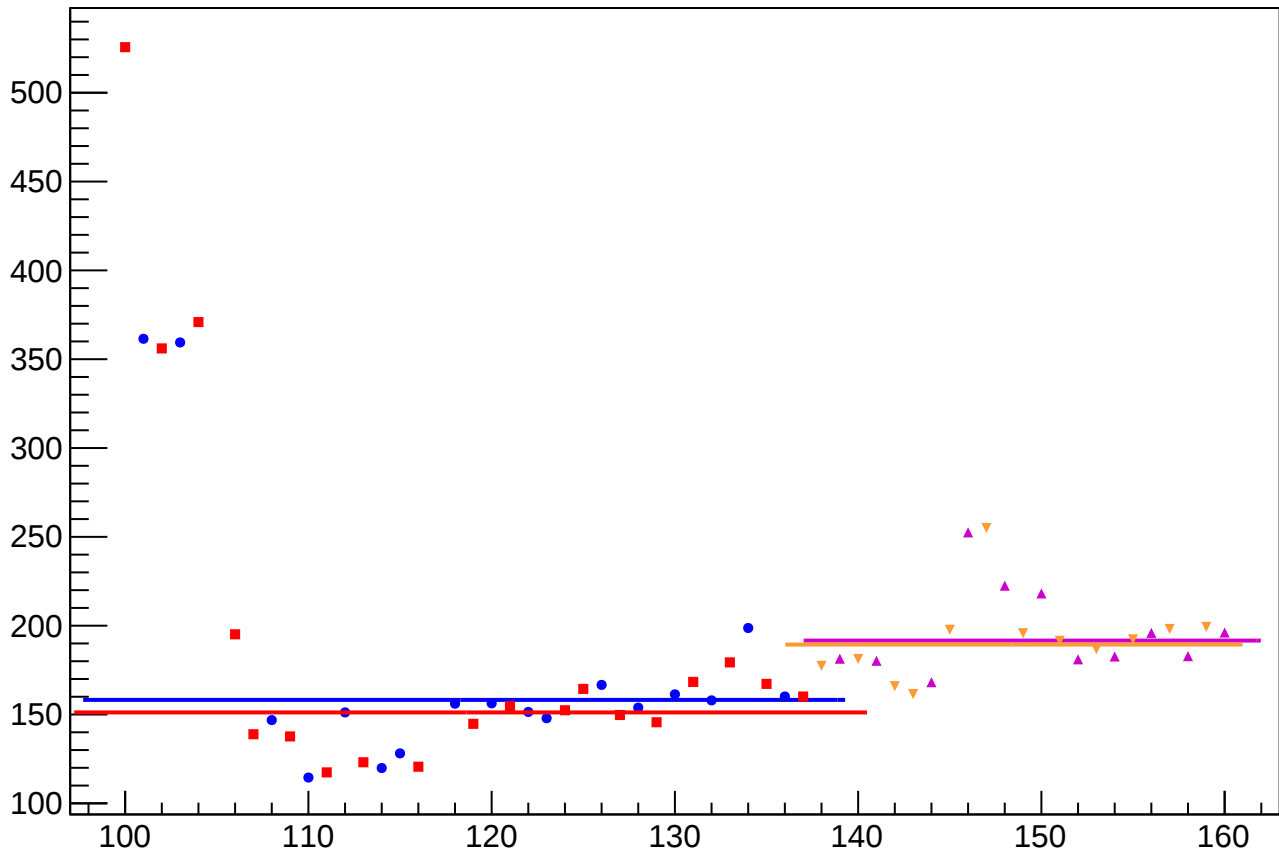
Right Out: 142849.362 $\pm$ 0.060 χ^2 /NDF: 850066807.5/18

Left In: 153263.748 $\pm$ 0.065 χ^2 /NDF: 171475002.2/10

147776.027 $\pm$ 0.046 χ^2 /NDF: 12445361090.7/2

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: 189.358+/-0.046 χ^2/NDF :179226.1/11

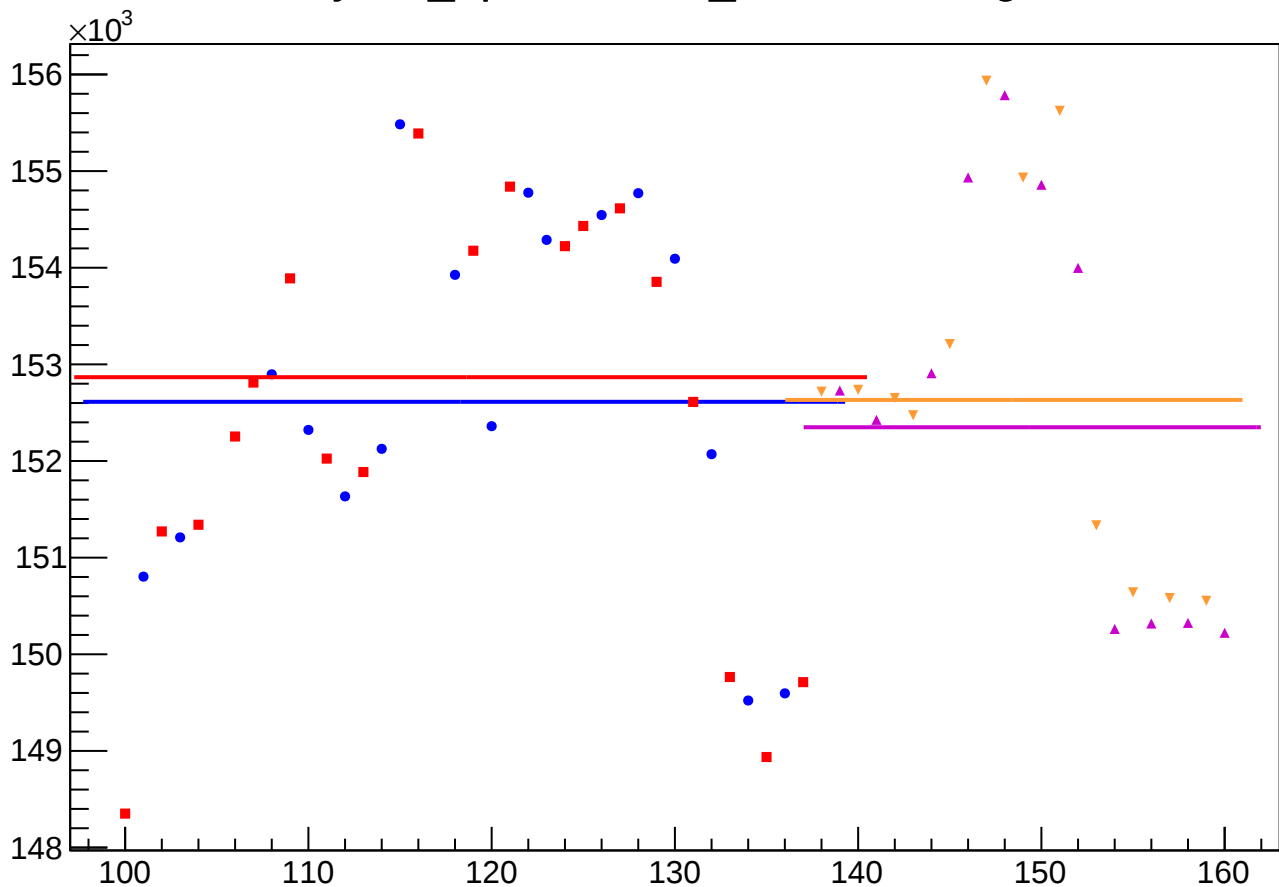
173.828+/-0.032 χ^2/NDF : 1294925.8/28

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 $\pm$ 0.072 χ^2 /NDF: 621416187.4/16

Left Out: 152632.098 $\pm$ 0.065 χ^2 /NDF: 694877693.3/11

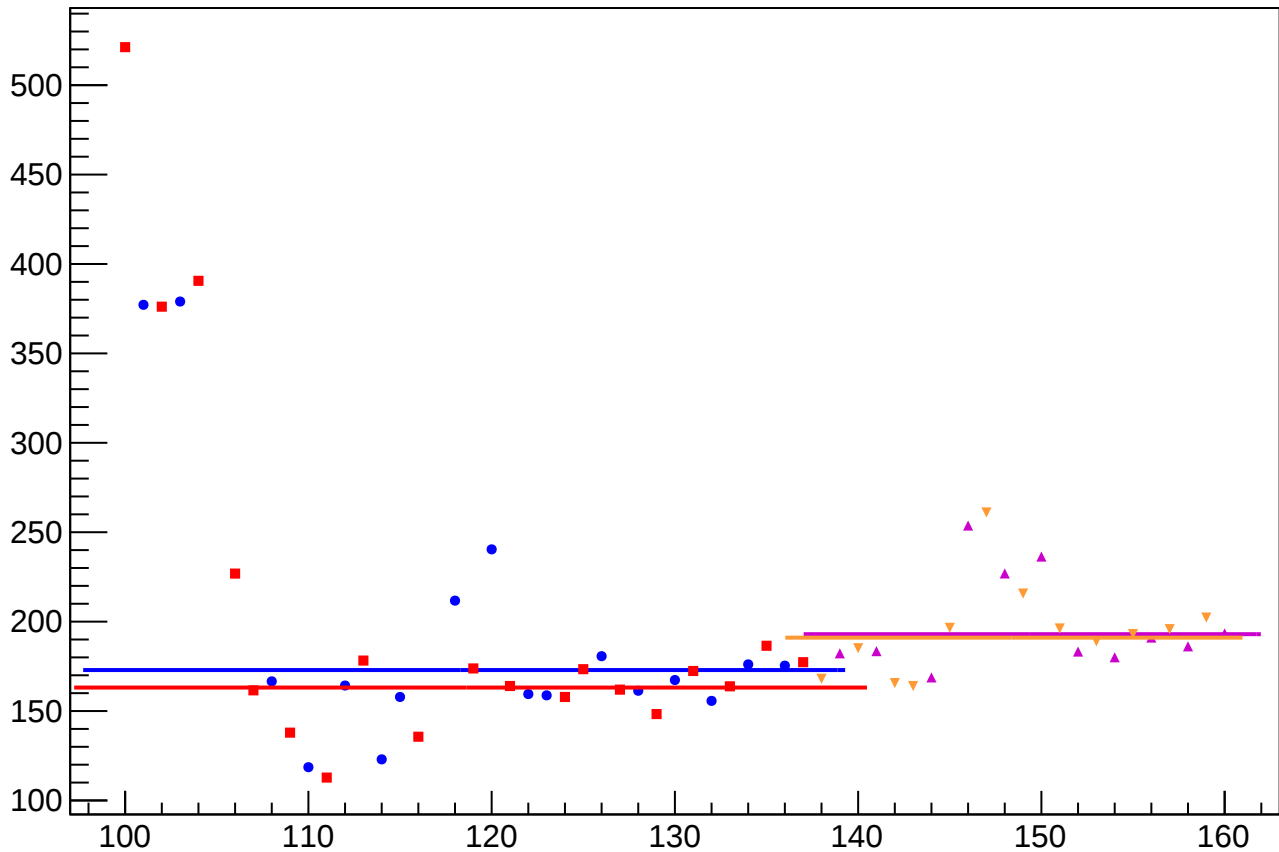
Right Out: 152867.453 $\pm$ 0.066 χ^2 /NDF: 719075986.4/18

Left In: 152349.244 $\pm$ 0.066 χ^2 /NDF: 824023171.7/10

152623.376 $\pm$ 0.048 χ^2 /NDF: 1316334309.4/28

152605.878 $\pm$ 0.047 χ^2 /NDF: 1574014333.8/29

yield_bpm0i07WS_rms vs Slug



Right In: 172.921+/-0.051 χ^2/NDF : 941954.0/16

Left Out: 191.040+/-0.046 χ^2/NDF : 224335.7/11

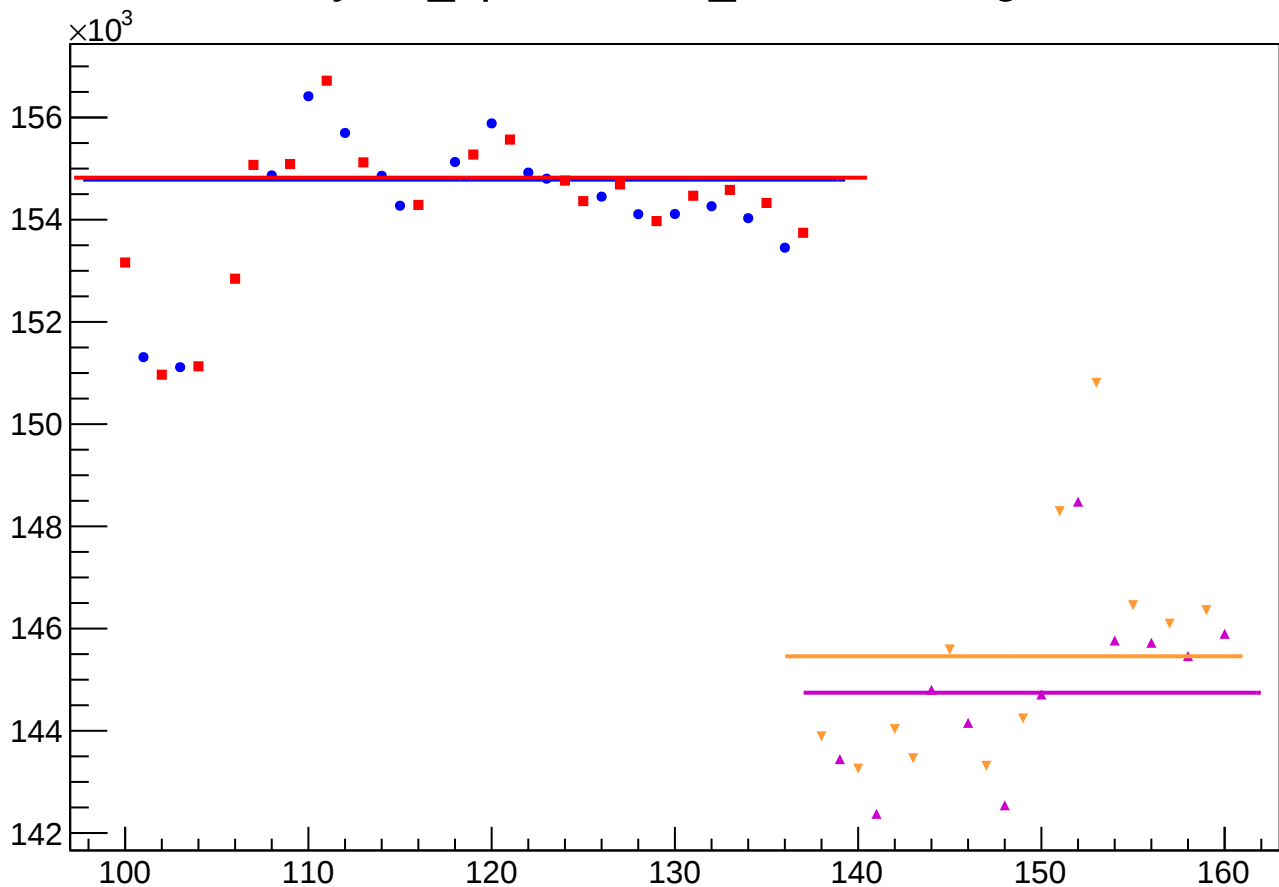
Right Out: 163.138+/-0.047 χ^2/NDF : 1033751.2/18

Left In: 192.982+/-0.046 χ^2/NDF : 242146.1/10

182.941+/-0.034 χ^2/NDF : 1236016.6/28

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: 145457.965 $\pm$ 0.059 χ^2 /NDF: 1455182559.9/11

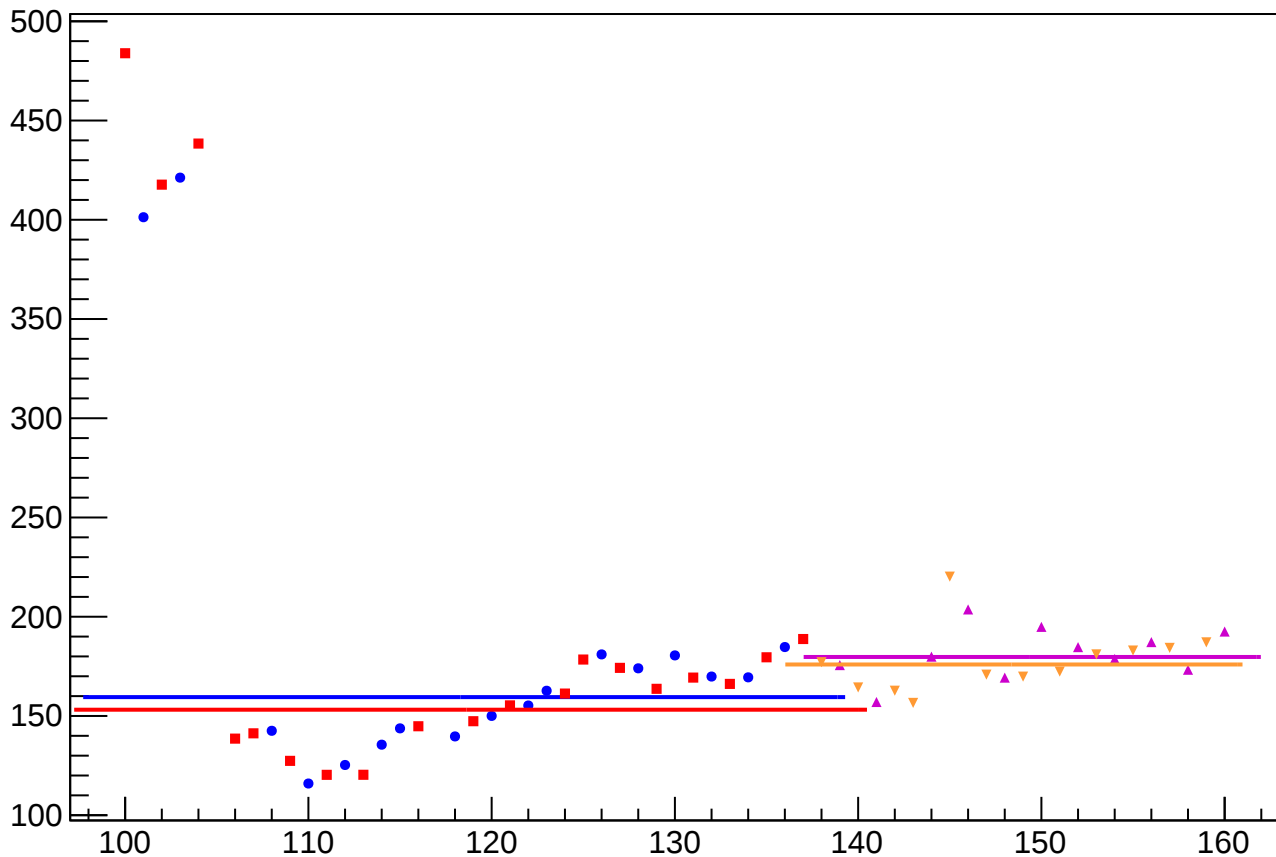
Right Out: 154822.113 $\pm$ 0.061 χ^2 /NDF: 293850525.9/18

Left In: 144745.341 $\pm$ 0.061 χ^2 /NDF: 795400435.3/10

149675.165 $\pm$ 0.044 χ^2 /NDF: 12870940827.4/2

149762.416 $\pm$ 0.043 χ^2 /NDF: 14841872074.8/2

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 175.940 $\pm$ 0.042 χ^2 /NDF:111767.6/11

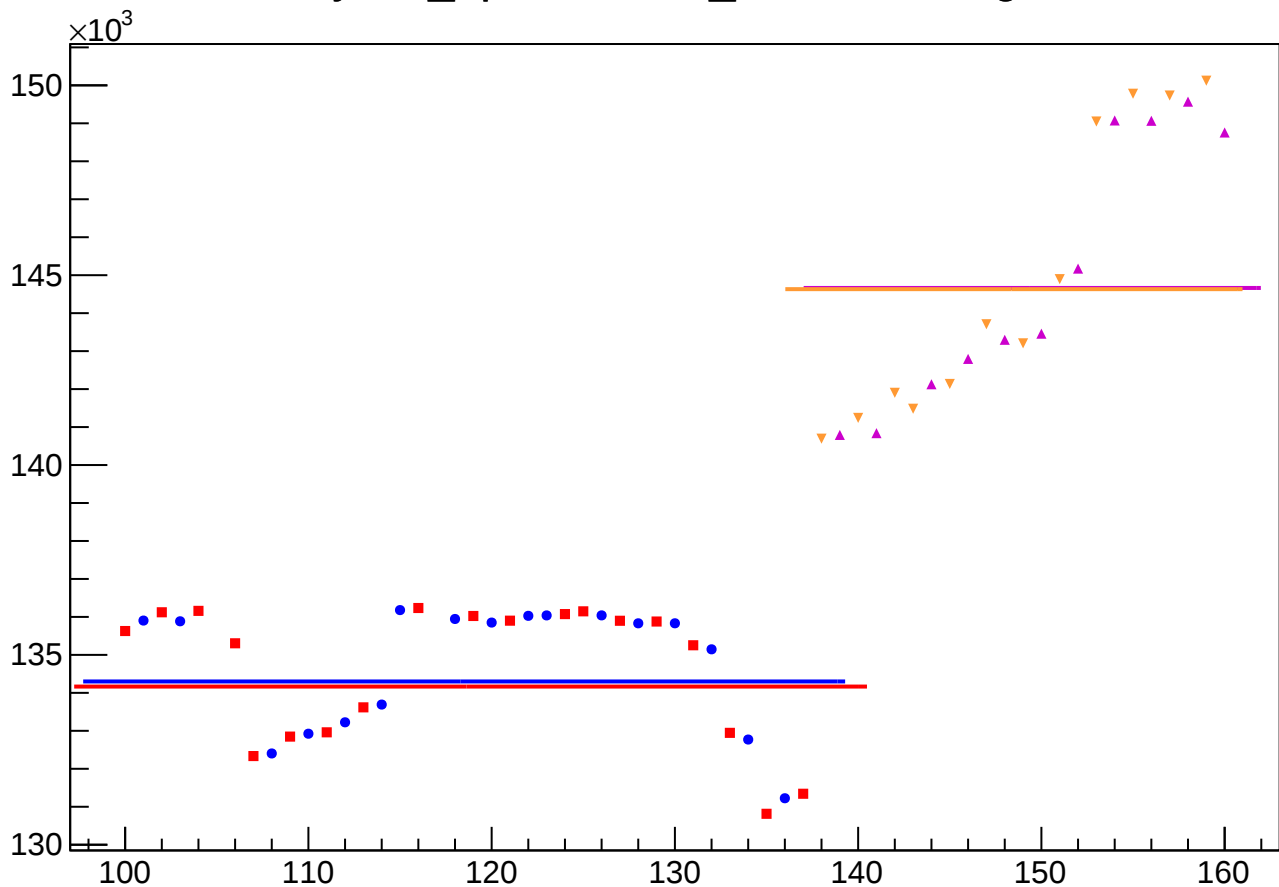
168.507 $\pm$ 0.031 χ^2 /NDF: 1312878.1/28

Right Out: 153.153 $\pm$ 0.043 χ^2 /NDF: 1173739.7/18

166.497 $\pm$ 0.030 χ^2 /NDF: 1451865.5/29

Left In: 179.728 $\pm$ 0.043 χ^2 /NDF:86825.7/10

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 $\pm$ 0.050 χ^2/NDF : 1149581803.2/16

Left Out: 144632.224 $\pm$ 0.059 χ^2/NDF : 3494706049.2/11

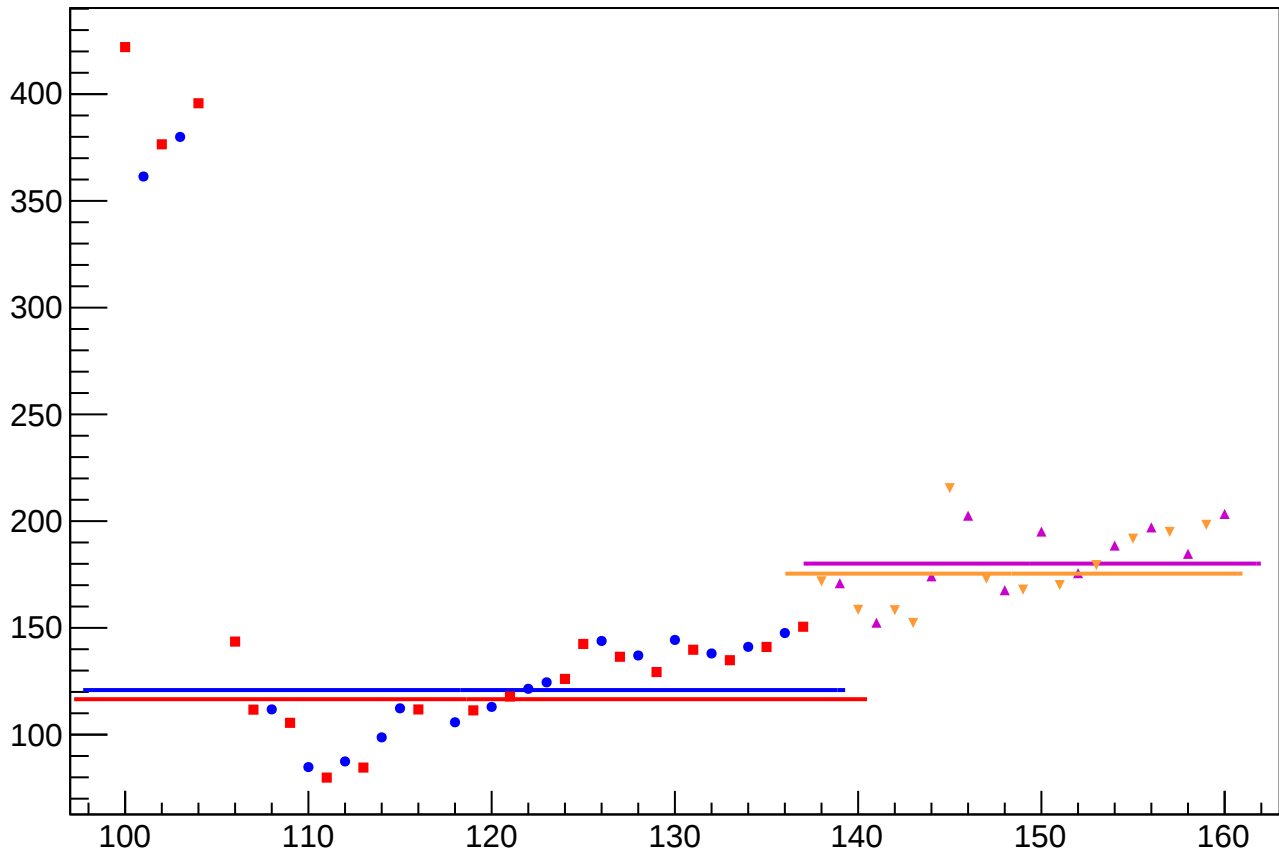
Right Out: 134165.615 $\pm$ 0.047 χ^2/NDF : 1211471052.4/18

Left In: 144663.820 $\pm$ 0.061 χ^2/NDF : 2945998100.0/10

138622.808 $\pm$ 0.038 χ^2/NDF : 22267776165.8/2

138124.370 $\pm$ 0.037 χ^2/NDF : 22660379982.0/2

yield_bpm1i04WS_rms vs Slug



Right In: 120.872 ± 0.036 χ^2/NDF : 1463728.4/16

Left Out: 175.408 ± 0.042 χ^2/NDF : 164948.9/11

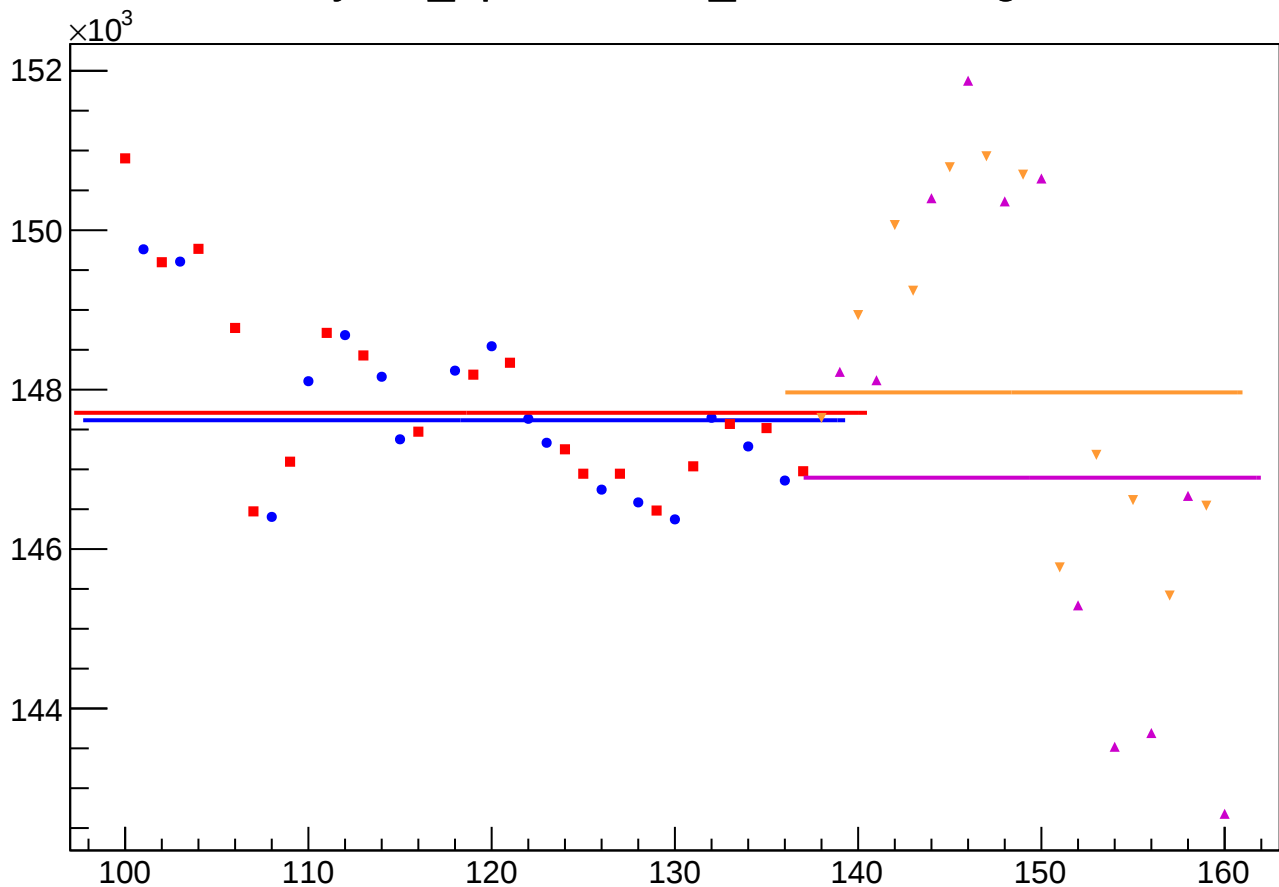
Right Out: 116.595 ± 0.034 χ^2/NDF : 1541338.5/18

Left In: 180.110 ± 0.043 χ^2/NDF : 136582.1/10

143.689 ± 0.027 χ^2/NDF : 2610653.9/28

140.545 ± 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: 147965.470+/-0.067 χ^2 /NDF: 792423726.3/11

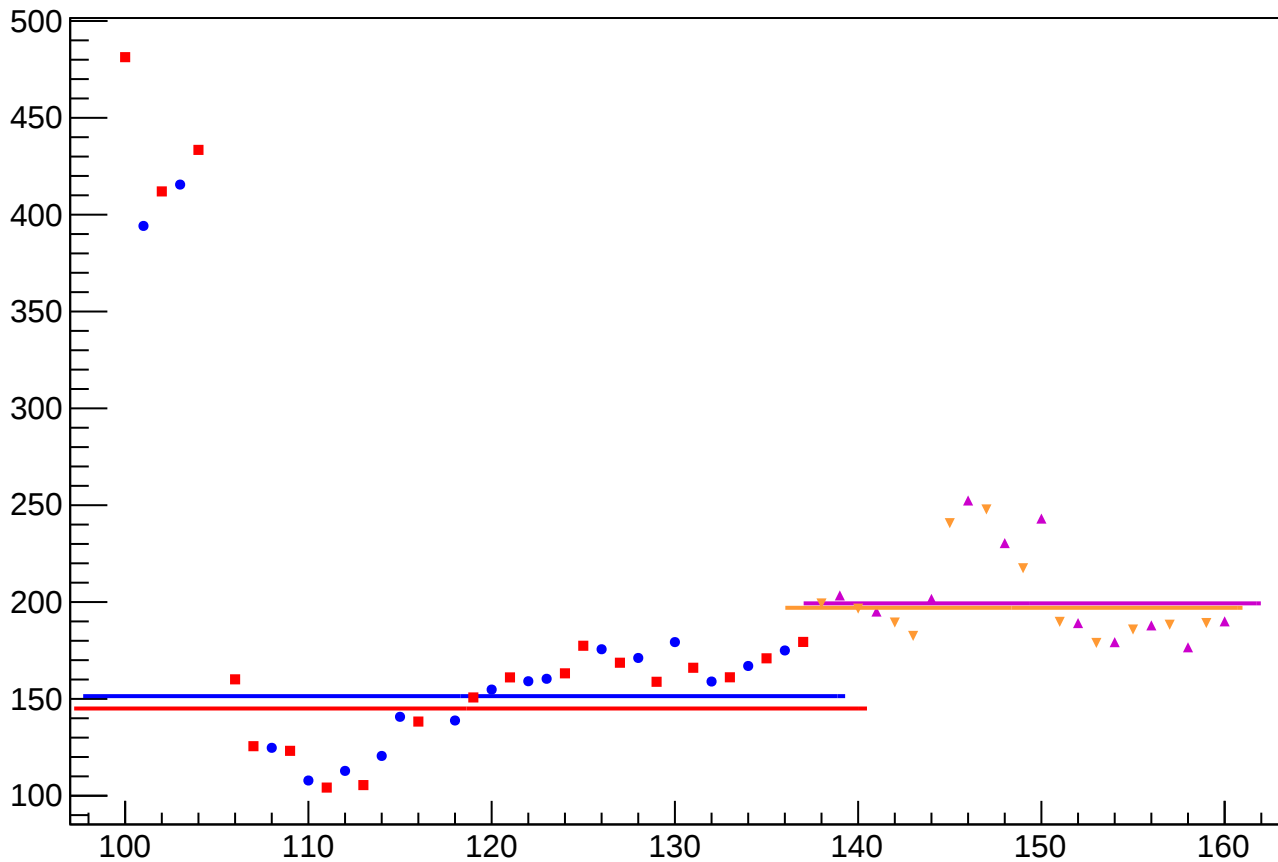
Right Out: 147709.723+/-0.058 χ^2 /NDF: 203906685.9/18

Left In: 146895.463+/-0.068 χ^2 /NDF: 1975037976.9/10

147779.400+/-0.046 χ^2 /NDF: 1006293656.5/28

147361.886+/-0.044 χ^2 /NDF: 2262200465.2/29

yield_bpm1i06WS_rms vs Slug



Right In: 151.424+/-0.044 χ^2/NDF : 1257843.0/16

Left Out: 197.035+/-0.047 χ^2/NDF : 169753.0/11

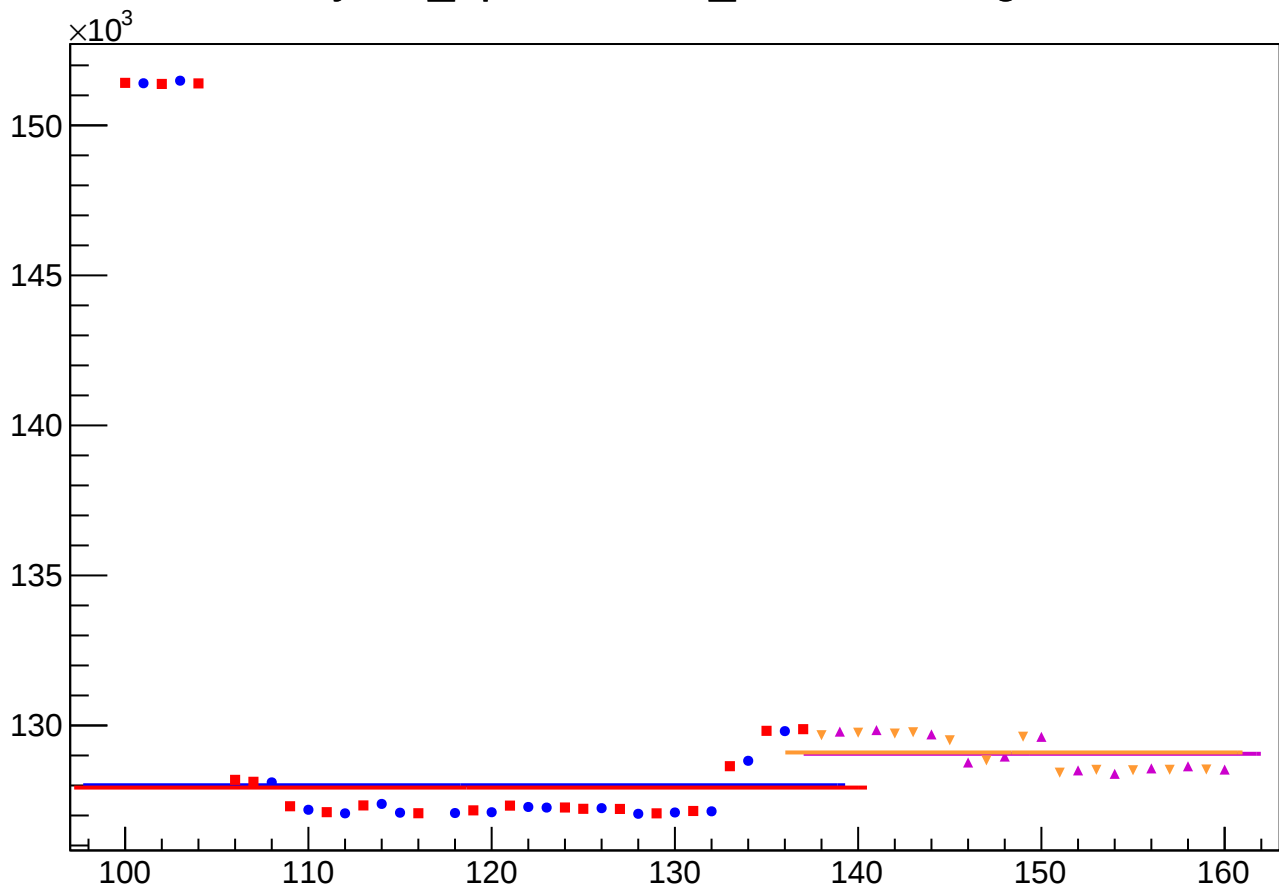
Right Out: 145.039+/-0.041 χ^2/NDF : 1375972.0/18

Left In: 199.322+/-0.048 χ^2/NDF : 218091.2/10

172.740+/-0.032 χ^2/NDF : 1925633.1/28

168.228+/-0.031 χ^2/NDF : 2334075.3/29

yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16

Left Out: 129100.157 $\pm$ 0.058 χ^2 /NDF: 97644053.5/11

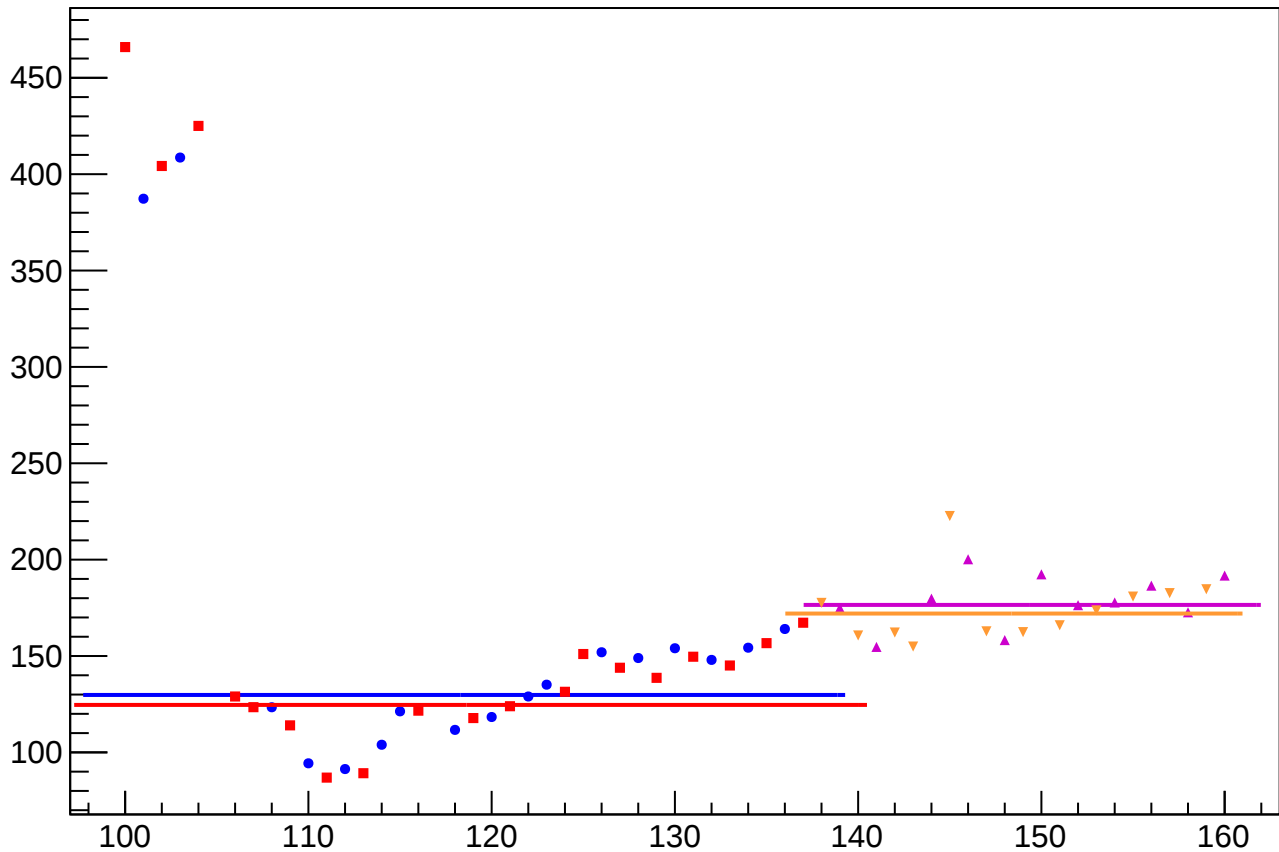
Right Out: 127930.136 $\pm$ 0.050 χ^2 /NDF: 3768176193.0/18

Left In: 129056.210 $\pm$ 0.060 χ^2 /NDF: 89839220.1/10

128515.423 $\pm$ 0.040 χ^2 /NDF: 4606959585.9/28

128399.478 $\pm$ 0.038 χ^2 /NDF: 4066233542.9/29

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 ± 0.038 χ^2/NDF : 1485294.2/16

Left Out: 172.031 ± 0.041 χ^2/NDF : 136680.3/11

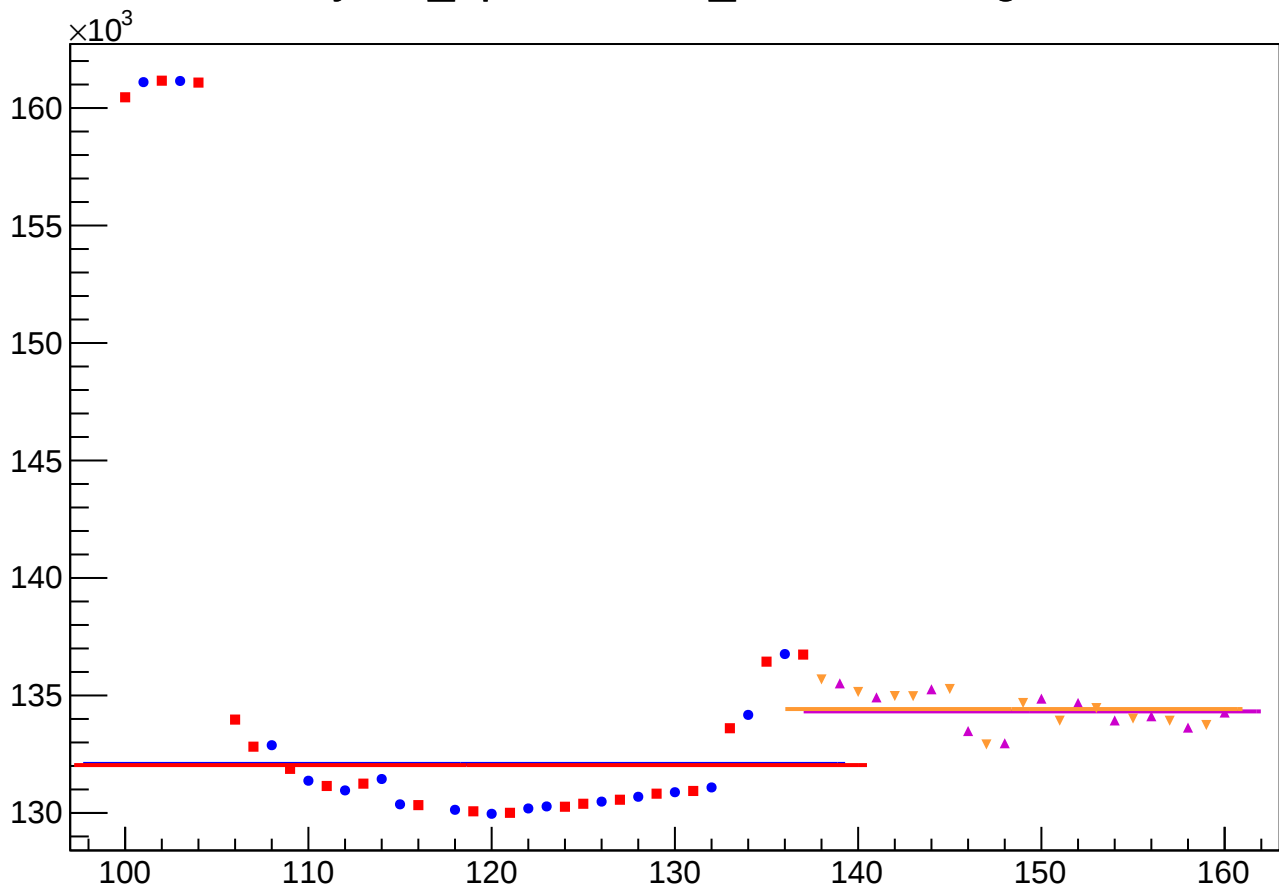
149.432 ± 0.028 χ^2/NDF : 2188191.0/28

Right Out: 124.625 ± 0.036 χ^2/NDF : 1531827.4/18

146.251 ± 0.027 χ^2/NDF : 2520115.9/29

Left In: 176.512 ± 0.042 χ^2/NDF : 104099.2/10

yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 ± 0.057 χ^2/NDF : 6733230928.7/16

Left Out: 134422.081 ± 0.060 χ^2/NDF : 159593611.2/11

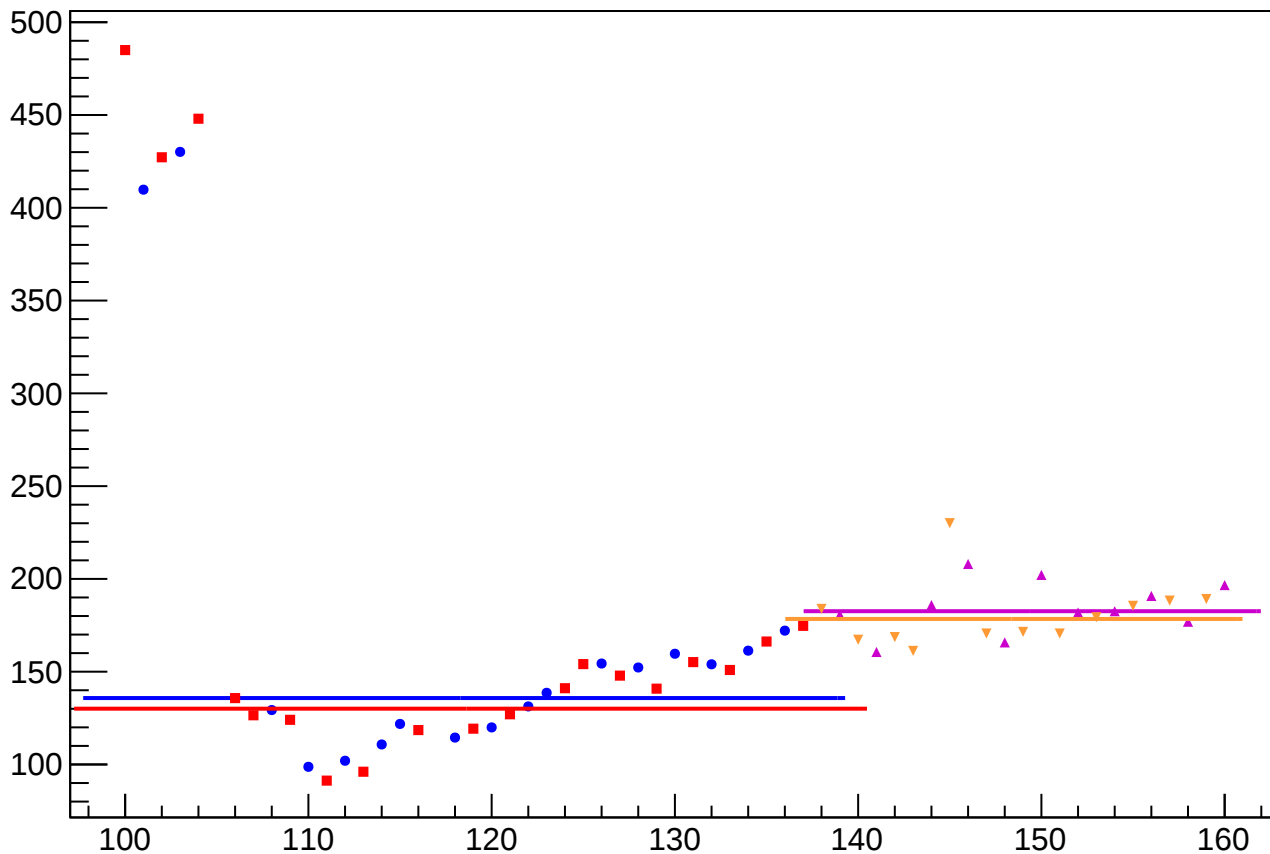
Right Out: 132037.539 ± 0.053 χ^2/NDF : 5882115872.9/18

Left In: 134321.837 ± 0.062 χ^2/NDF : 155566544.9/10

133180.895 ± 0.041 χ^2/NDF : 7692499102.5/28

132998.341 ± 0.040 χ^2/NDF : 6833069595.7/29

yield_bpm2i02WS_rms vs Slug



Right In: 135.796+/-0.040 χ^2/NDF : 1441904.9/16

Left Out: 178.424+/-0.043 χ^2/NDF :124111.8/11

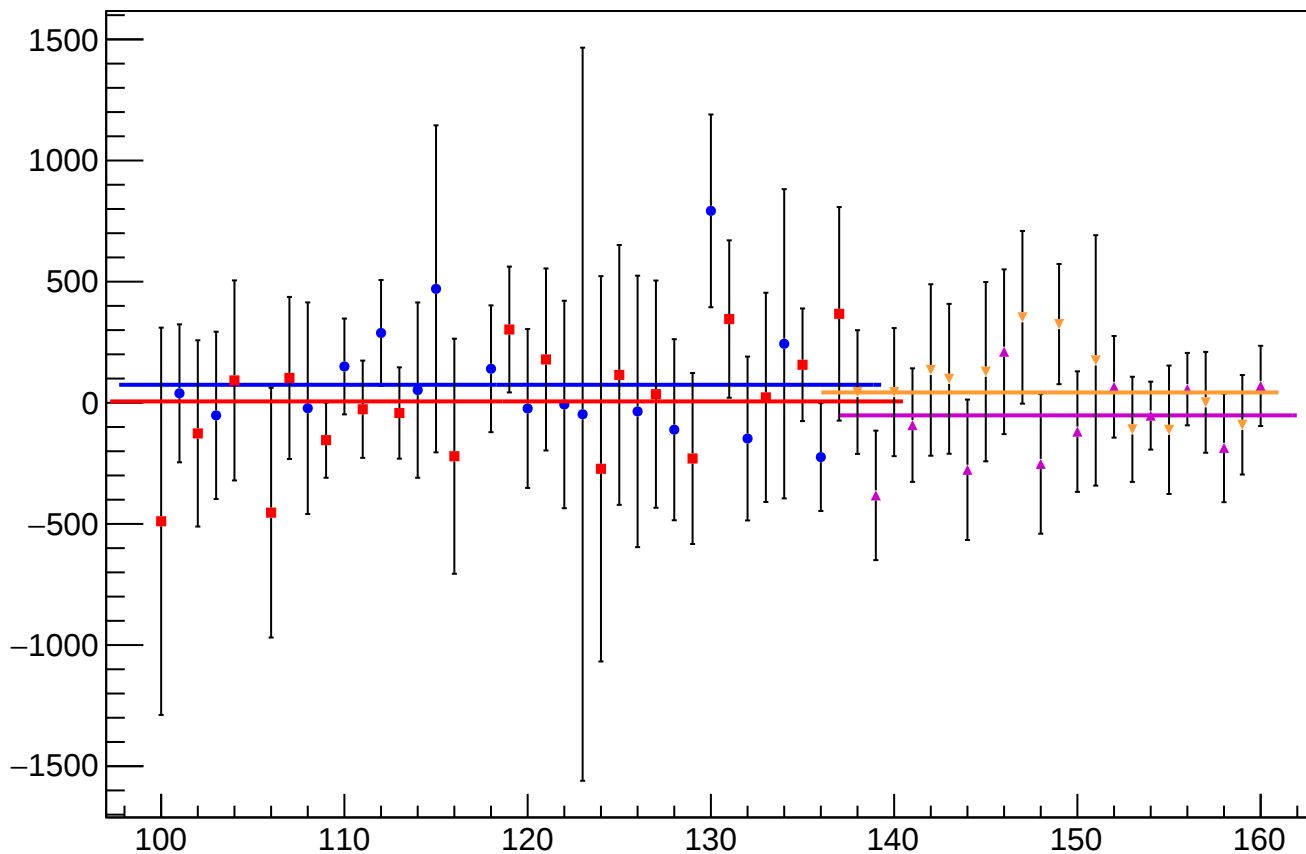
Right Out: 130.070+/-0.037 χ^2/NDF : 1503997.6/18

Left In: 182.599+/-0.044 χ^2/NDF :100638.9/10

155.768+/-0.029 χ^2/NDF : 2098918.8/28

152.164+/-0.028 χ^2/NDF : 2445871.5/29

asym_bcm_an_ds_mean vs Slug



Right In: 74.294+/-79.018 χ^2/NDF : 7.7/16

Left Out: 42.639+/-77.731 χ^2/NDF : 3.6/11

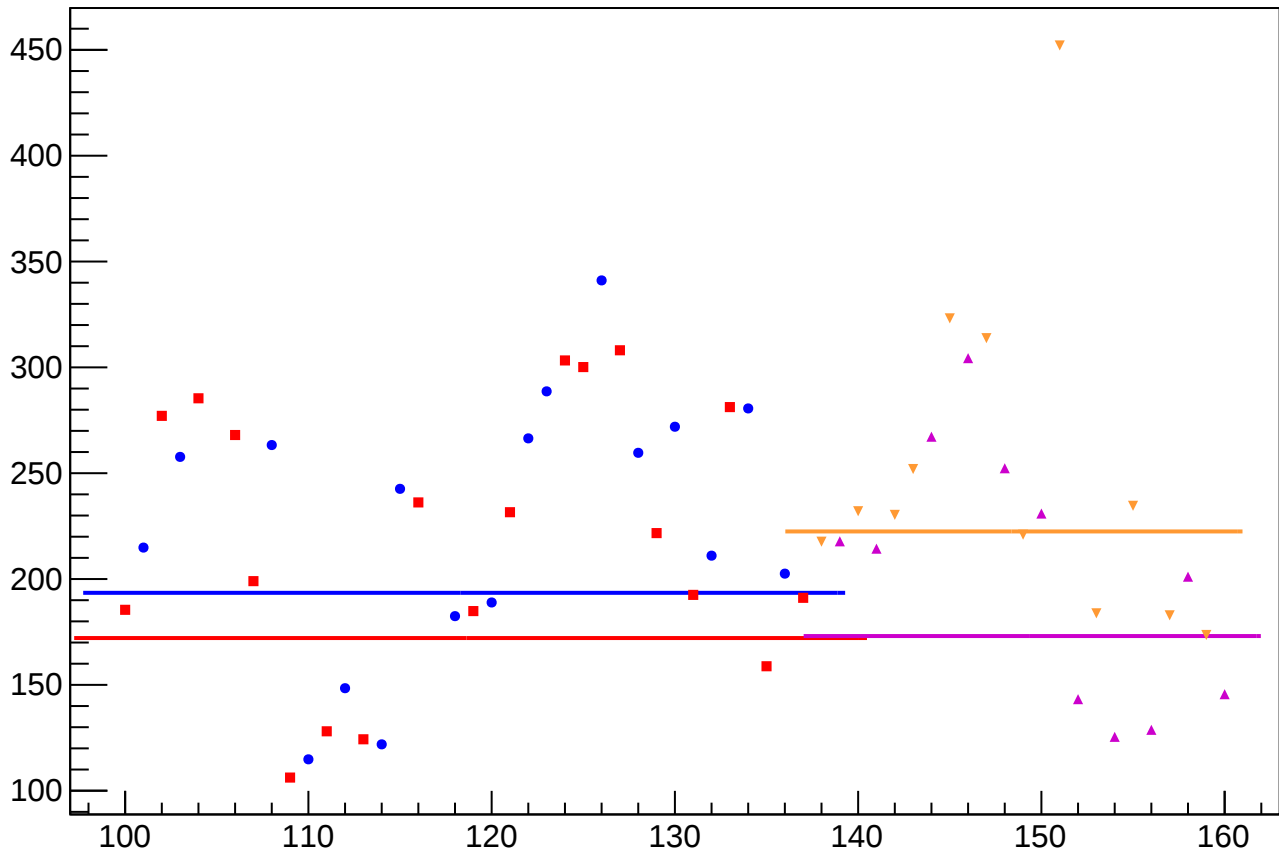
Right Out: 5.739+/-70.069 χ^2/NDF : 7.1/18

Left In: -52.008+/-62.549 χ^2/NDF : 5.0/10

58.207+/-55.414 χ^2/NDF : 11.3/28

-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: 222.484+/-0.055 χ^2/NDF : 950310.1/11

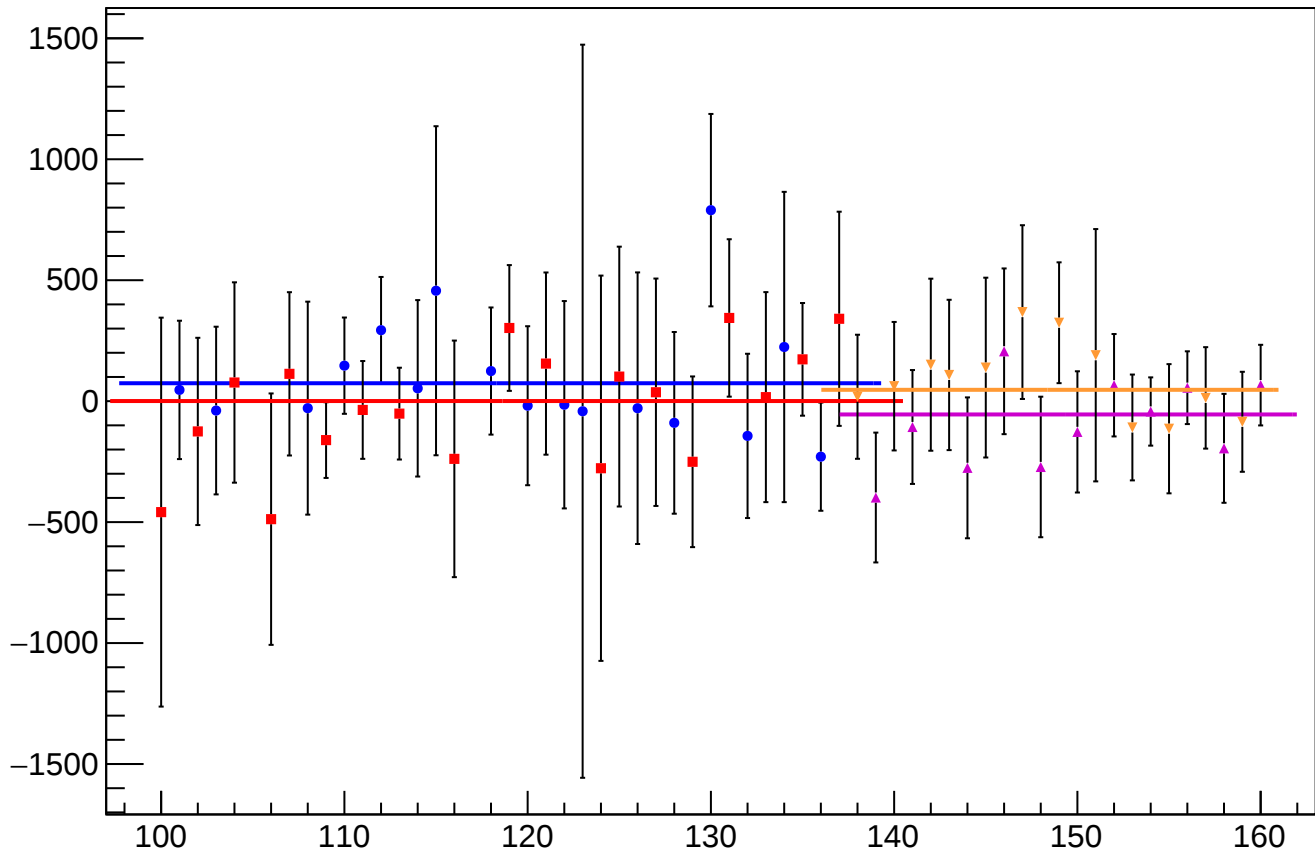
208.224+/-0.039 χ^2/NDF : 2104377.3/28

Right Out: 172.122+/-0.050 χ^2/NDF : 1579840.2/18

172.648+/-0.033 χ^2/NDF : 2999711.0/29

Left In: 173.066+/-0.044 χ^2/NDF : 1419668.7/10

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098+/-79.404 χ^2/NDF : 7.6/16

Left Out: 46.895+/-78.227 χ^2/NDF : 3.6/11

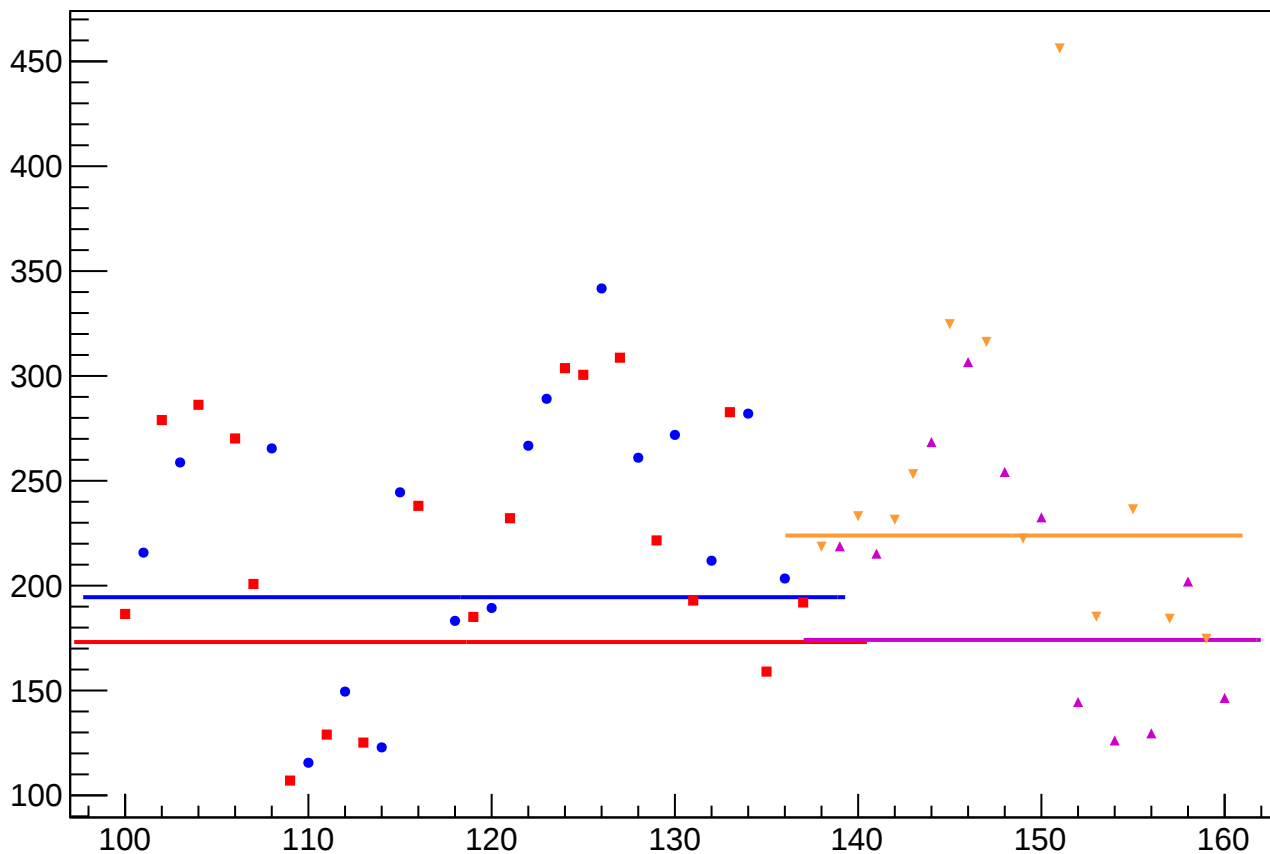
Right Out: 0.503+/-70.437 χ^2/NDF : 7.3/18

Left In: -54.942+/-62.929 χ^2/NDF : 5.3/10

60.293+/-55.726 χ^2/NDF : 11.2/28

-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: 223.897+/-0.055 χ^2/NDF : 949829.0/11

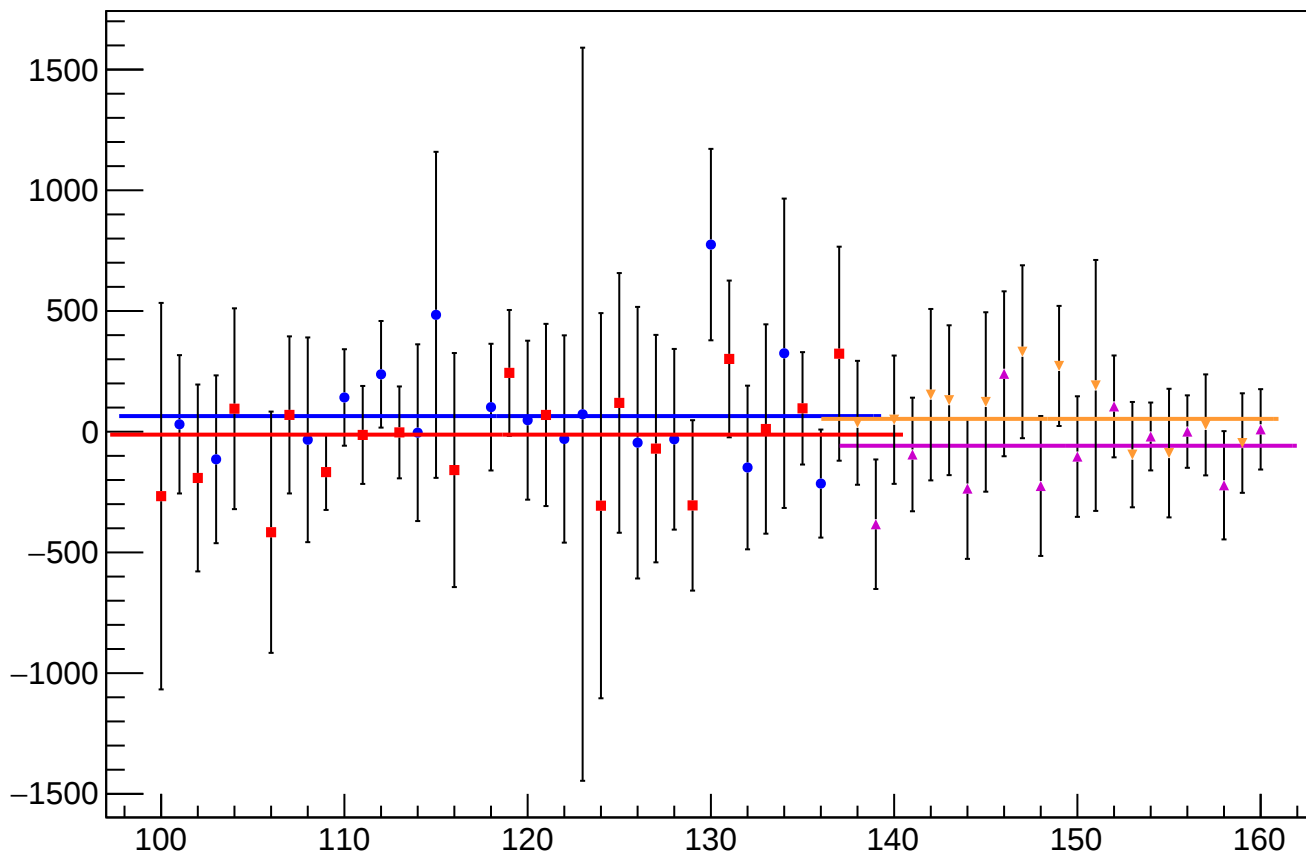
209.416+/-0.039 χ^2/NDF : 2097492.7/28

Right Out: 173.111+/-0.050 χ^2/NDF : 1567374.3/18

173.672+/-0.033 χ^2/NDF : 2985314.5/29

Left In: 174.120+/-0.044 χ^2/NDF : 1417711.9/10

asym_bcm_an_us_mean vs Slug



Right In: 64.733 ± 79.399 χ^2/NDF : 7.0/16

Left Out: 53.185 ± 78.075 χ^2/NDF : 2.6/11

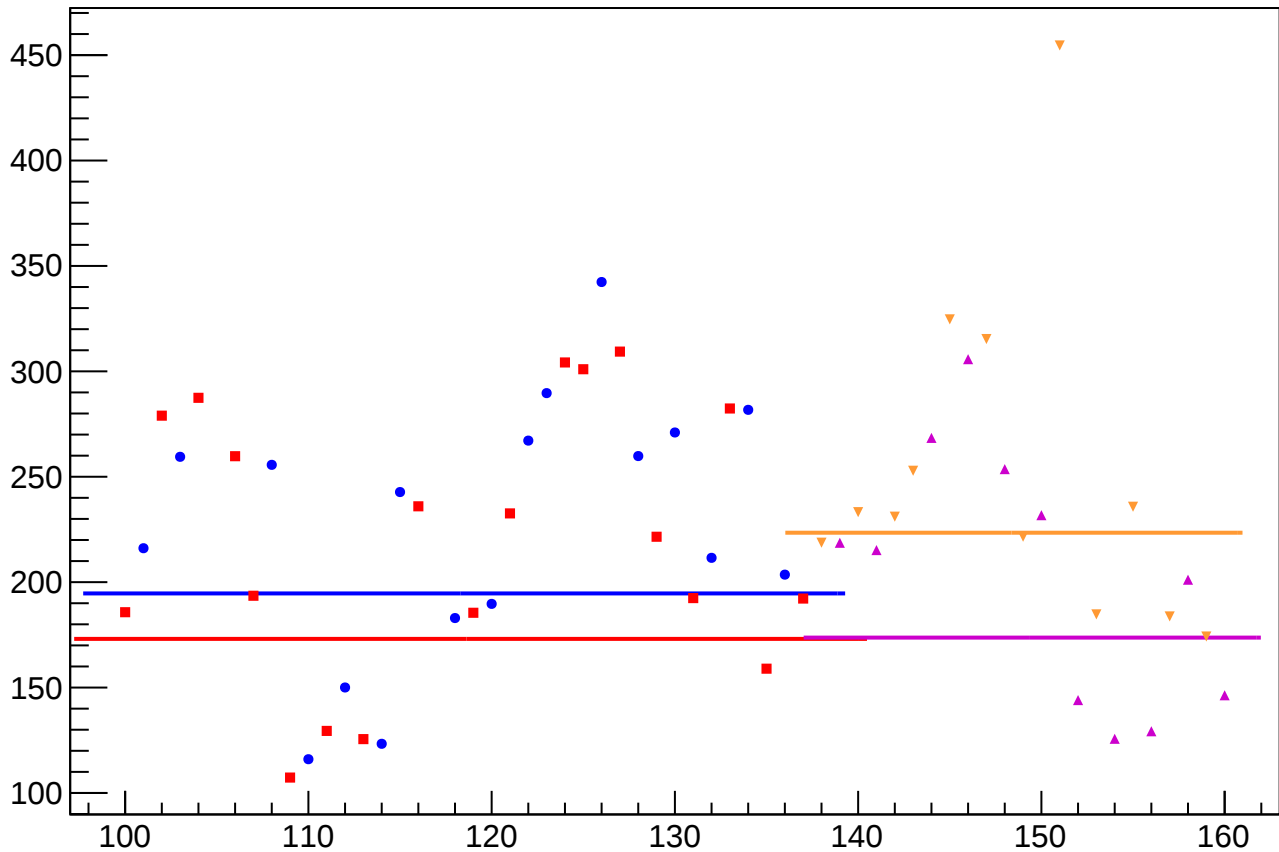
Right Out: -12.094 ± 70.361 χ^2/NDF : 5.8/18

Left In: -58.148 ± 62.783 χ^2/NDF : 4.5/10

58.862 ± 55.669 χ^2/NDF : 9.7/28

-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: 223.453+/-0.055 χ^2/NDF : 951386.5/11

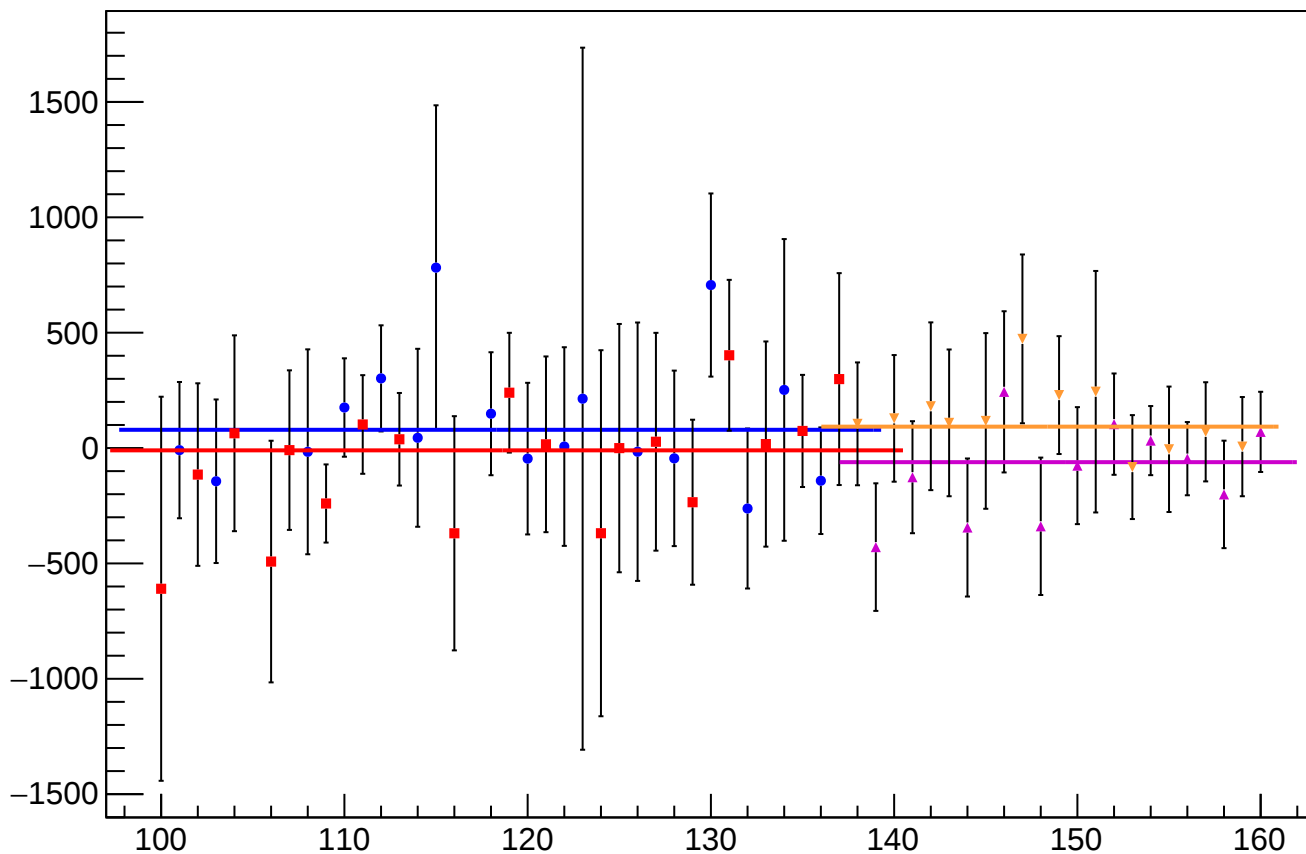
209.295+/-0.039 χ^2/NDF : 2071981.1/28

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: 92.756+/-80.391 χ^2/NDF : 2.4/11

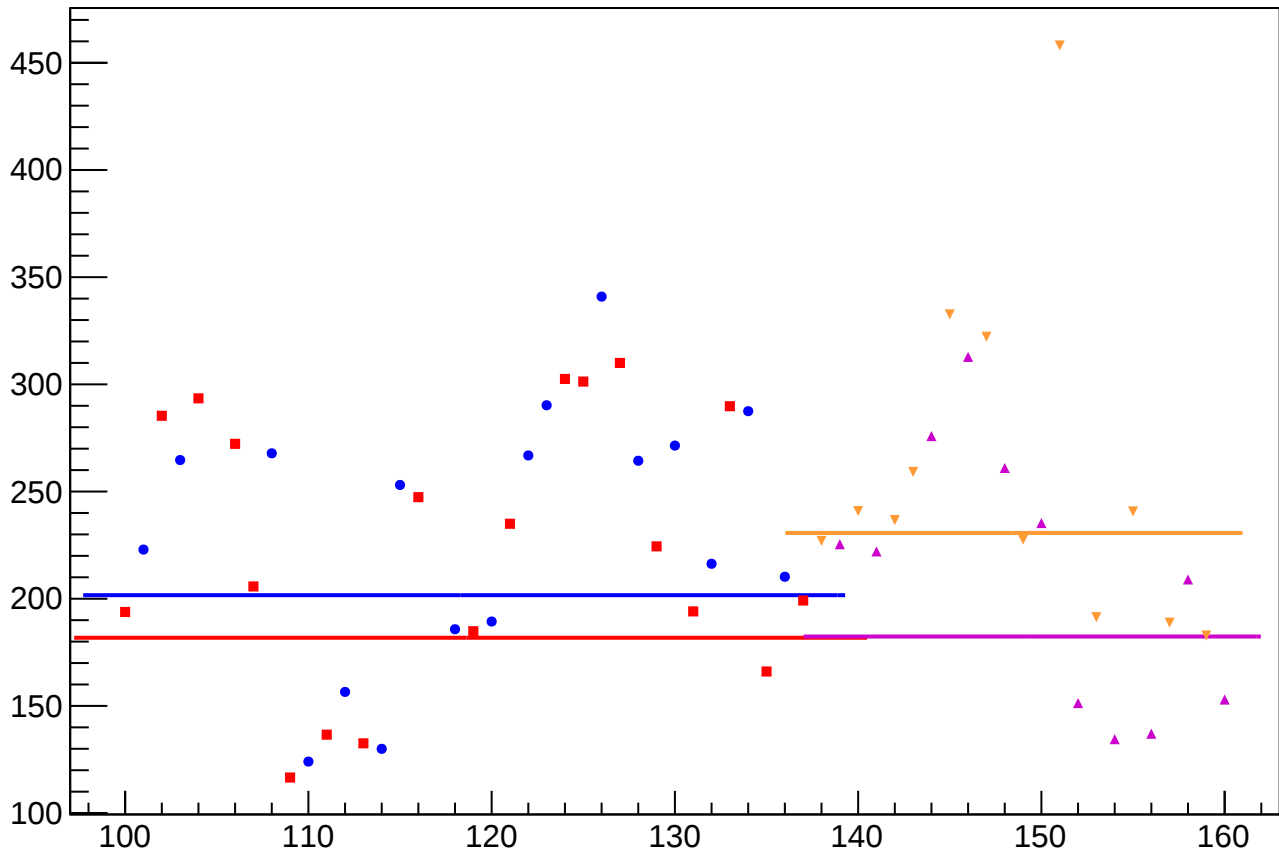
Right Out: -9.982+/-73.310 χ^2/NDF : 7.9/18

Left In: -61.149+/-65.530 χ^2/NDF : 6.3/10

86.067+/-57.362 χ^2/NDF : 10.0/28

-38.424+/-48.856 χ^2/NDF : 14.4/29

asym_bcm_dg_us_rms vs Slug



Right In: 201.654 $\pm$ 0.058 χ^2 /NDF: 883179.7/16

Left Out: 230.685 $\pm$ 0.057 χ^2 /NDF: 904664.6/11

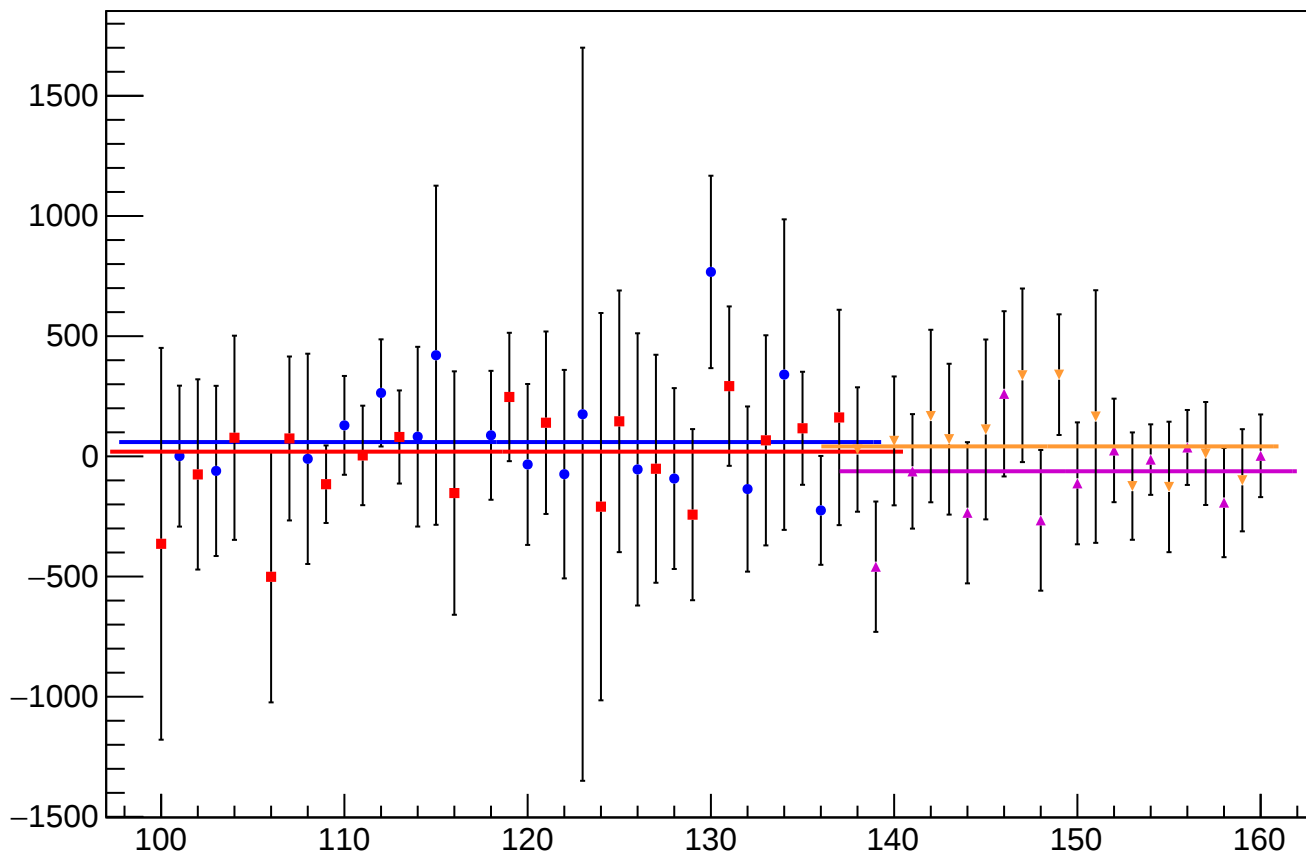
Right Out: 181.797 $\pm$ 0.052 χ^2 /NDF: 1377449.9/18

Left In: 182.370 $\pm$ 0.046 χ^2 /NDF: 1294146.9/10

216.435 $\pm$ 0.041 χ^2 /NDF: 1915864.8/28

182.116 $\pm$ 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: 41.484 ± 79.403 χ^2/NDF : 3.7/11

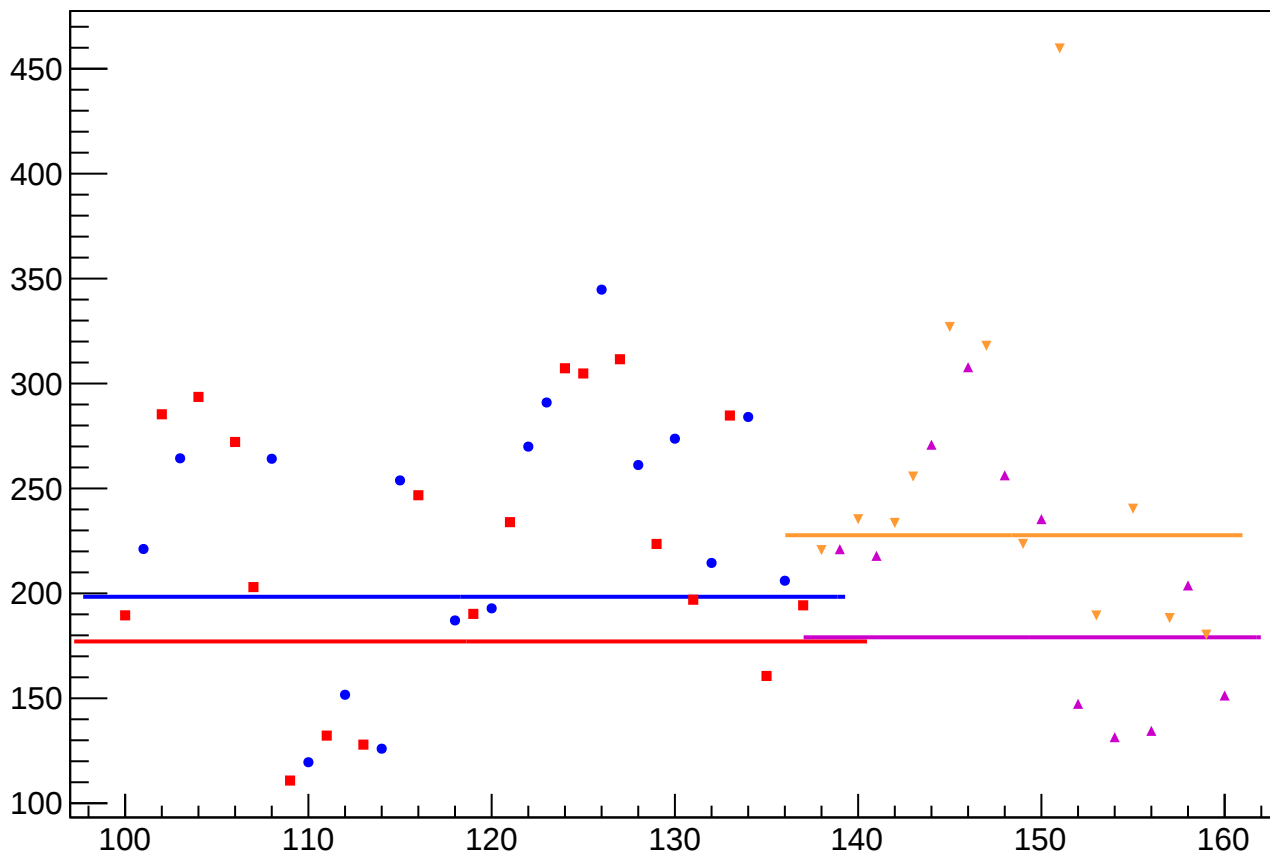
Right Out: 19.541 ± 71.866 χ^2/NDF : 4.7/18

Left In: -62.003 ± 64.442 χ^2/NDF : 5.0/10

50.332 ± 56.637 χ^2/NDF : 10.7/28

-25.659 ± 47.978 χ^2/NDF : 10.5/29

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378+/-0.057 χ^2/NDF : 963672.6/16

Left Out: 227.708+/-0.056 χ^2/NDF : 905623.3/11

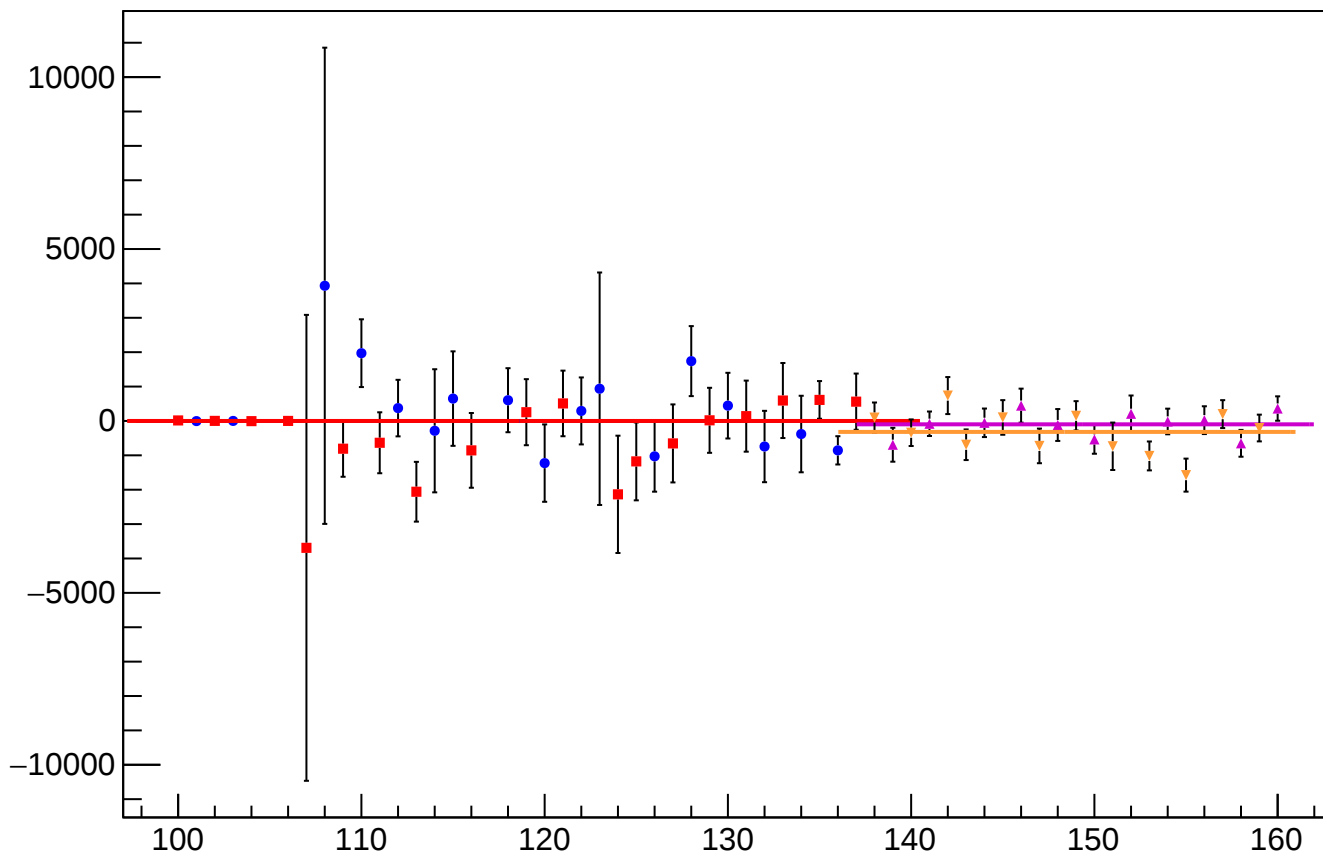
Right Out: 177.096+/-0.051 χ^2/NDF : 1524763.6/18

Left In: 179.068+/-0.046 χ^2/NDF : 1307165.0/10

213.301+/-0.040 χ^2/NDF : 2003345.1/28

178.189+/-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: -318.849 ± 130.679 χ^2/NDF : 19.7/11

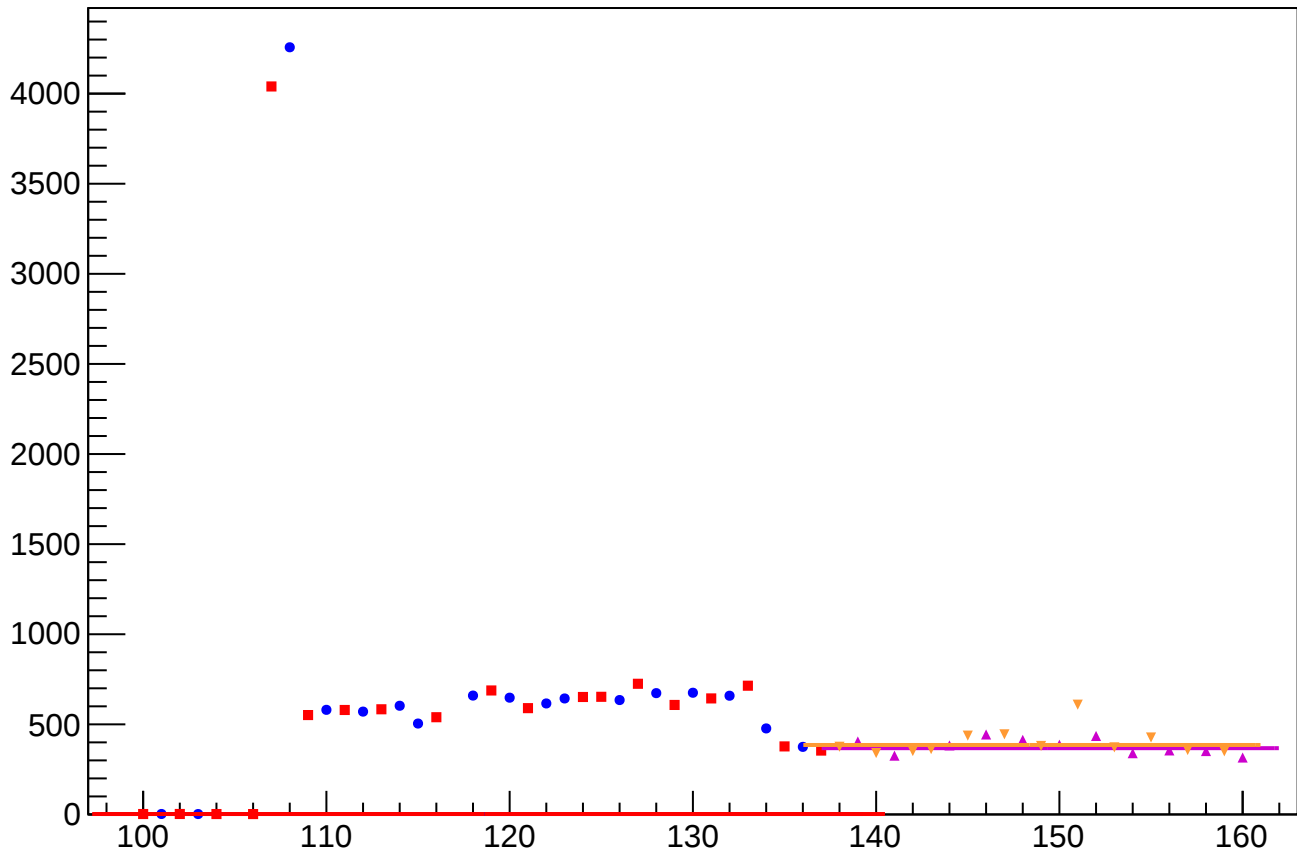
Right Out: -0.727 ± 2.111 χ^2/NDF : 19.3/18

Left In: -98.247 ± 125.327 χ^2/NDF : 7.9/10

-1.624 ± 2.251 χ^2/NDF : 42.6/28

-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: 385.516+/-0.092 χ^2/NDF : 343325.8/11

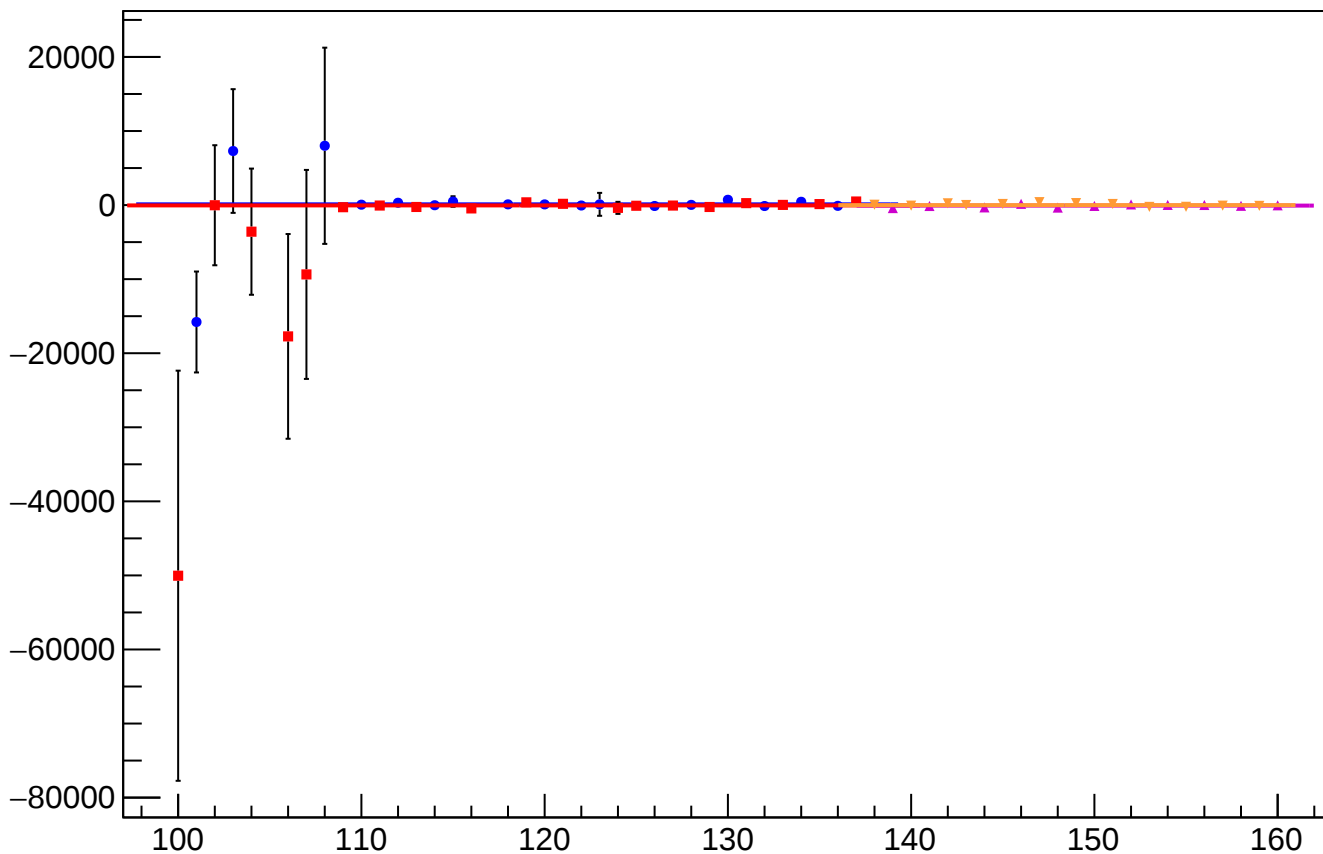
Right Out: 2.437+/-0.001 χ^2/NDF : 11147393.9/18

Left In: 367.801+/-0.089 χ^2/NDF : 204645.9/10

2.570+/-0.002 χ^2/NDF : 28371095.9/28

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: -7.768+/-85.167 χ^2/NDF : 4.7/11

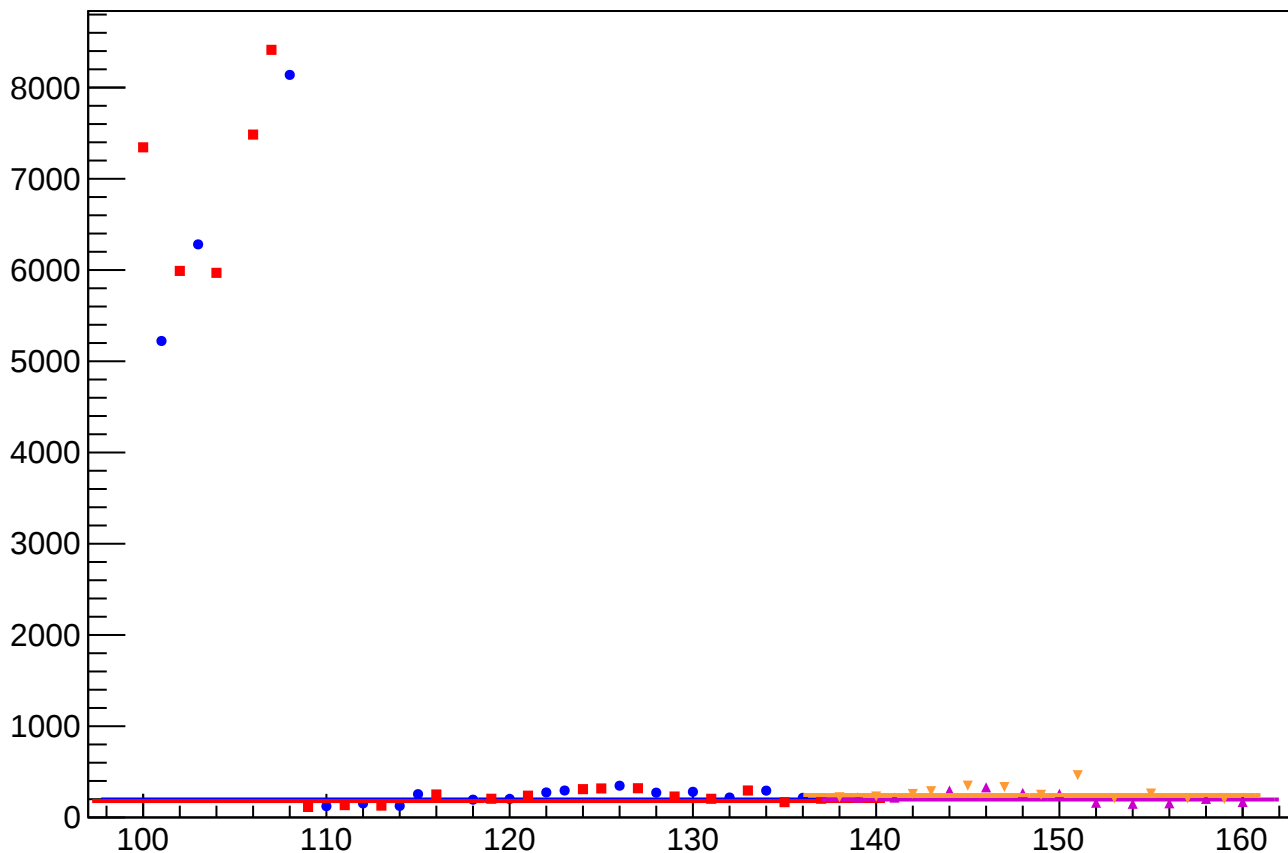
Right Out: -42.302+/-84.496 χ^2/NDF : 13.9/18

Left In: -69.850+/-69.950 χ^2/NDF : 4.4/10

42.000+/-62.137 χ^2/NDF : 17.3/28

-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: 245.618+/-0.060 χ^2/NDF : 807442.6/11

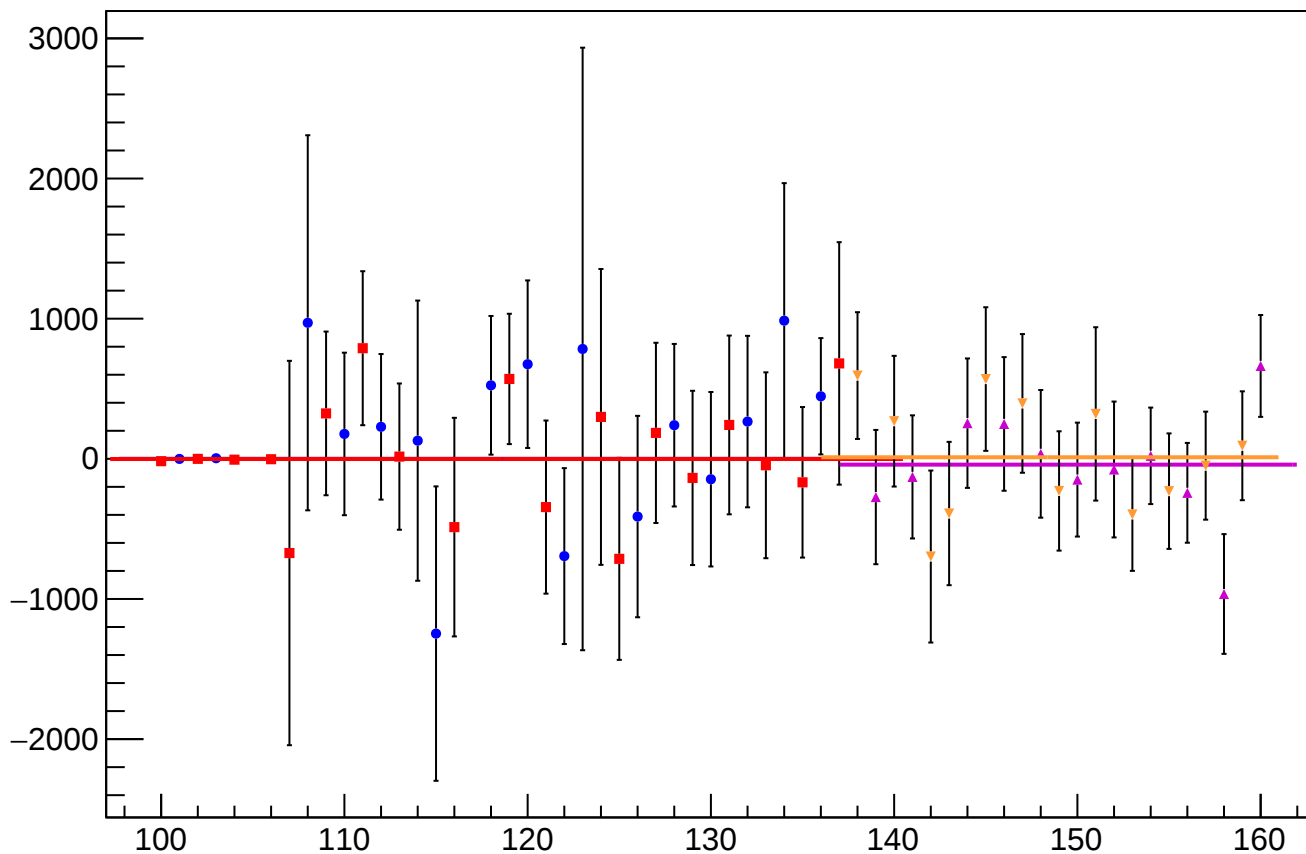
Right Out: 179.949+/-0.060 χ^2/NDF : 4321173.8/18

Left In: 196.472+/-0.049 χ^2/NDF : 1049904.0/10

222.920+/-0.044 χ^2/NDF : 4804801.0/28

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: 11.049 ± 131.977 χ^2/NDF : 7.7/11

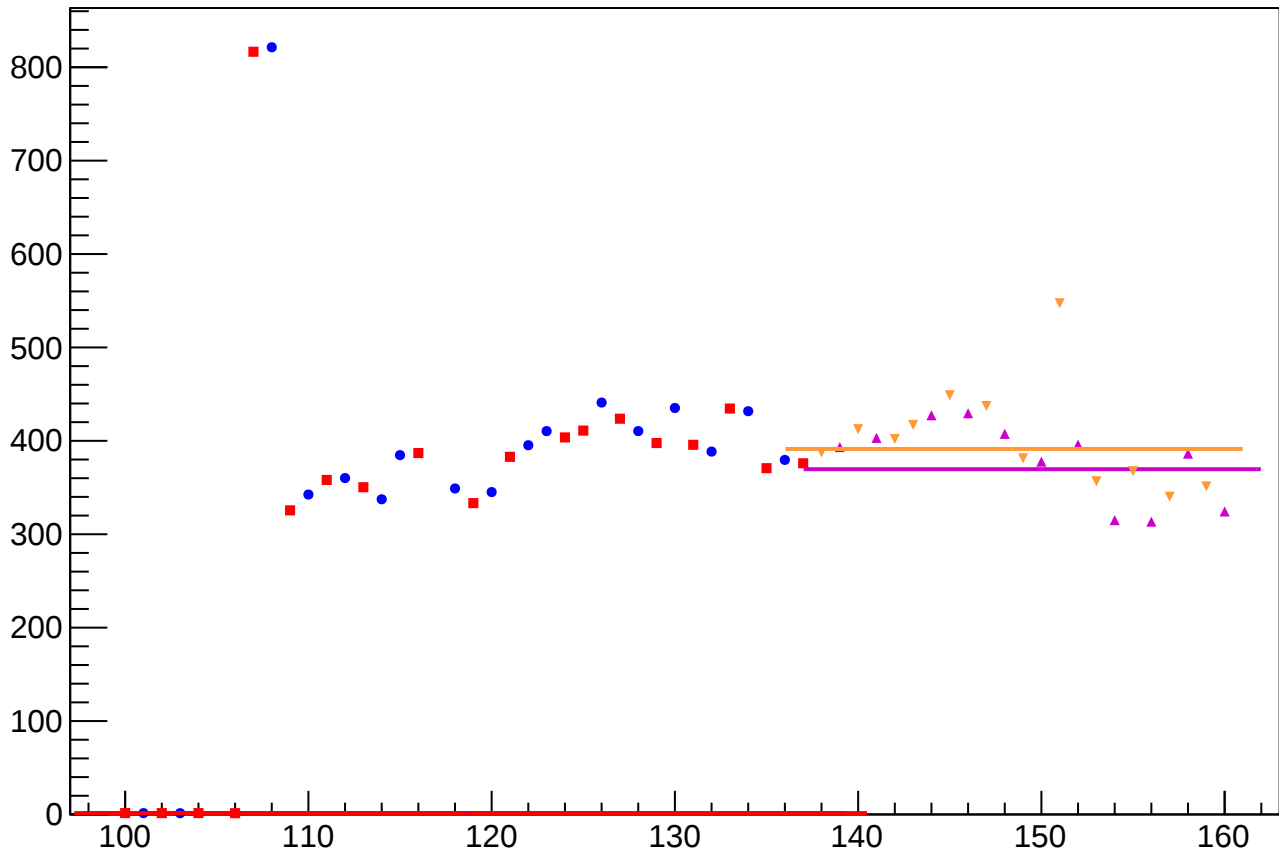
Right Out: -1.323 ± 1.623 χ^2/NDF : 9.6/18

Left In: -41.455 ± 125.855 χ^2/NDF : 9.9/10

-0.136 ± 1.736 χ^2/NDF : 17.5/28

-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: 391.325+/-0.093 χ^2/NDF : 258642.8/11

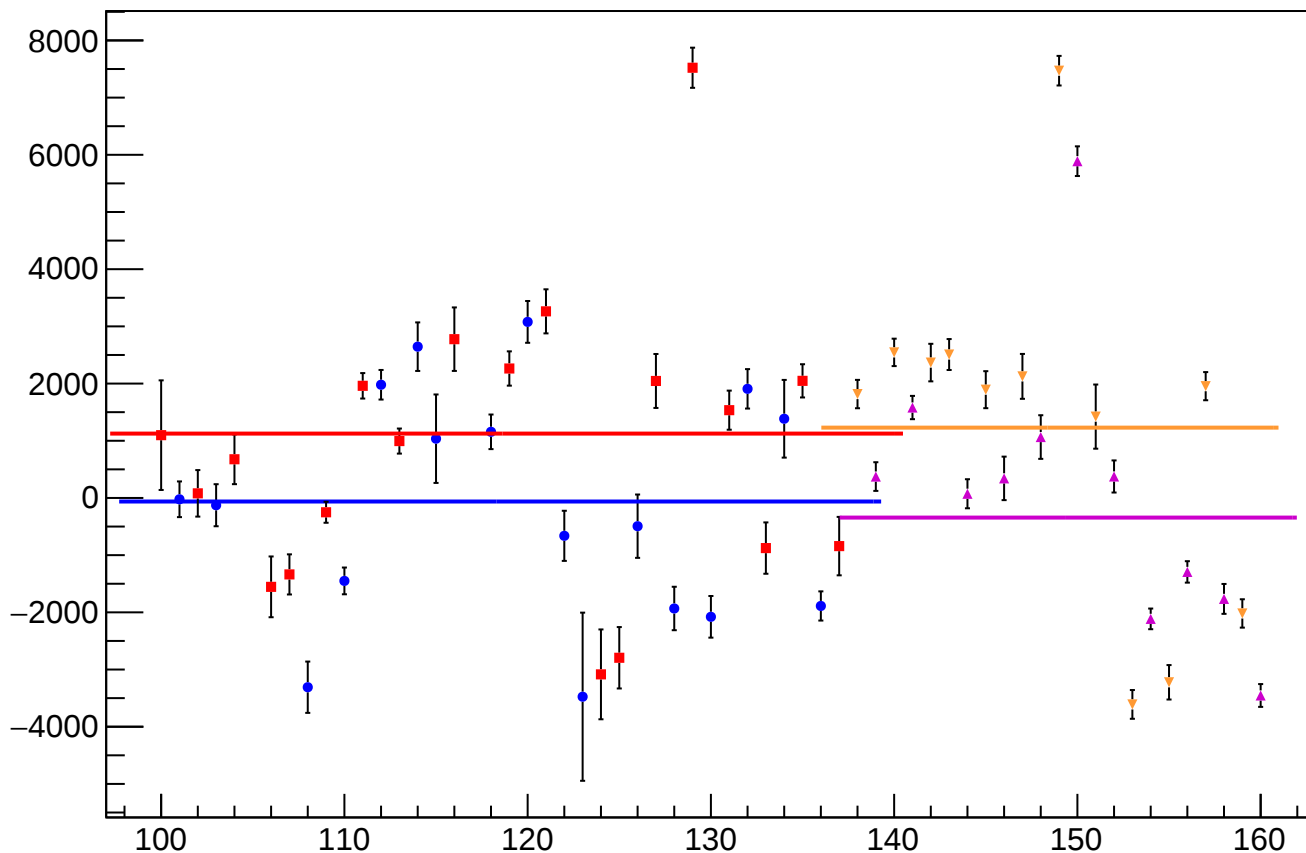
Right Out: 1.451+/-0.001 χ^2/NDF : 10880737.7/18

Left In: 369.662+/-0.089 χ^2/NDF : 233915.2/10

1.520+/-0.001 χ^2/NDF : 28667005.7/28

1.512+/-0.001 χ^2/NDF : 28230980.1/29

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 $\chi^2/\text{NDF}: 433.9/16$

Left Out: 1229.693 ± 81.548 $\chi^2/\text{NDF}: 1430.7/11$

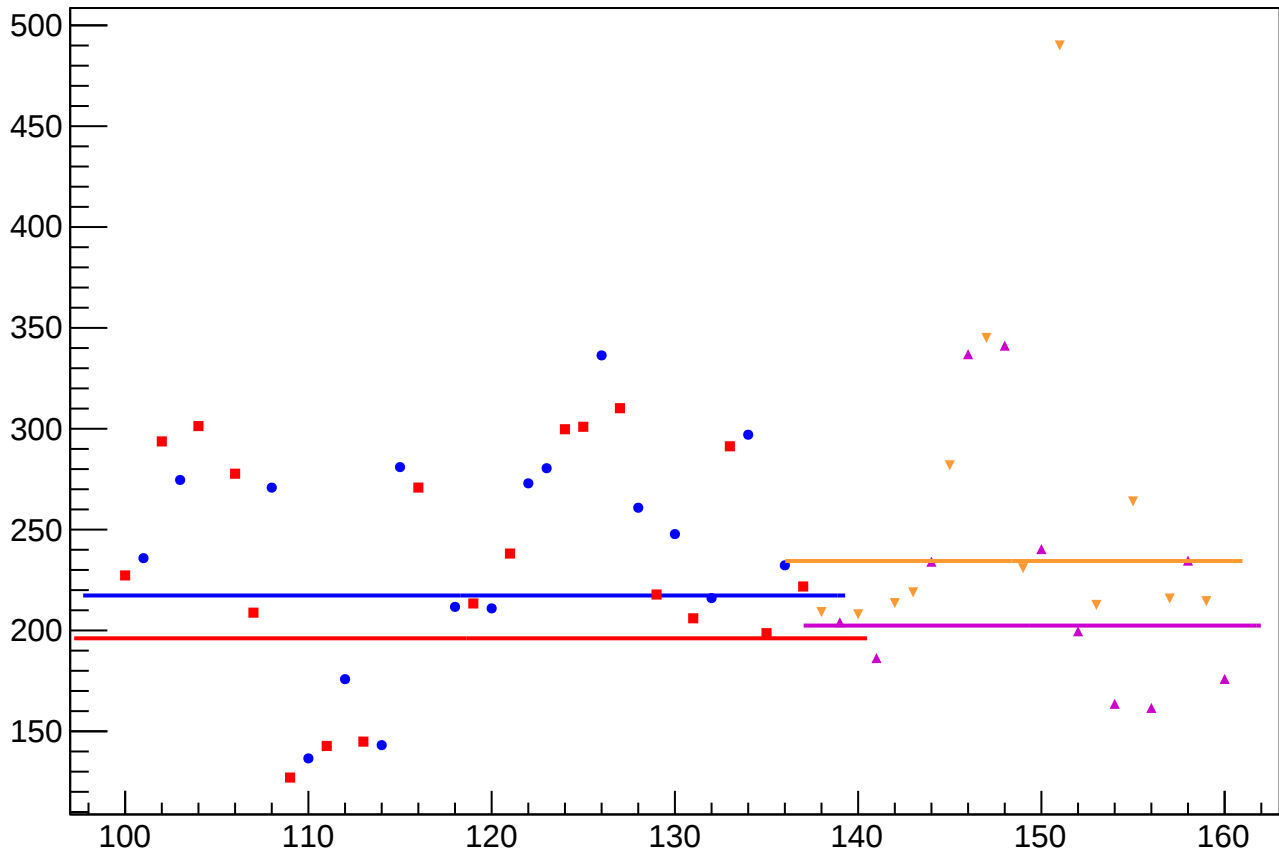
Right Out: 1125.437 ± 78.370 $\chi^2/\text{NDF}: 671.2/18$

Left In: -343.216 ± 71.472 $\chi^2/\text{NDF}: 1095.2/10$

628.634 ± 59.632 $\chi^2/\text{NDF}: 1981.4/28$

323.645 ± 52.809 $\chi^2/\text{NDF}: 1958.2/29$

asym_bcm0l02_rms vs Slug



Right In: 217.330 $\pm$ 0.062 χ^2 /NDF: 652722.5/16

Left Out: 234.445 $\pm$ 0.058 χ^2 /NDF: 735628.7/11

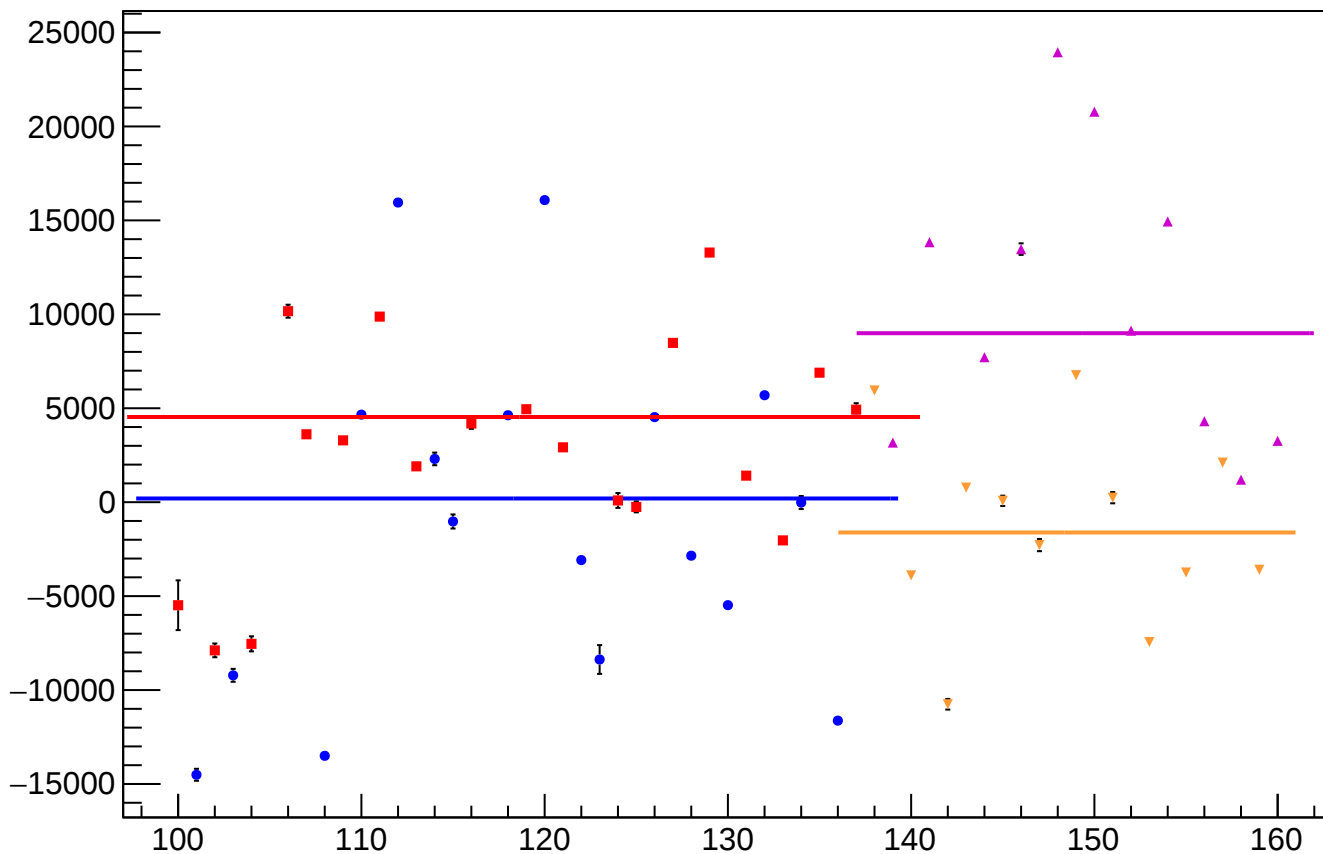
Right Out: 196.105 $\pm$ 0.055 χ^2 /NDF: 1190733.6/18

Left In: 202.416 $\pm$ 0.051 χ^2 /NDF: 854335.0/10

226.482 $\pm$ 0.042 χ^2 /NDF: 1429339.9/28

199.551 $\pm$ 0.037 χ^2 /NDF: 2052149.0/29

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 $\pm$ 54.799 χ^2/NDF : 30658.3/16

Left Out: -1612.428 $\pm$ 57.835 χ^2/NDF : 6661.1/11

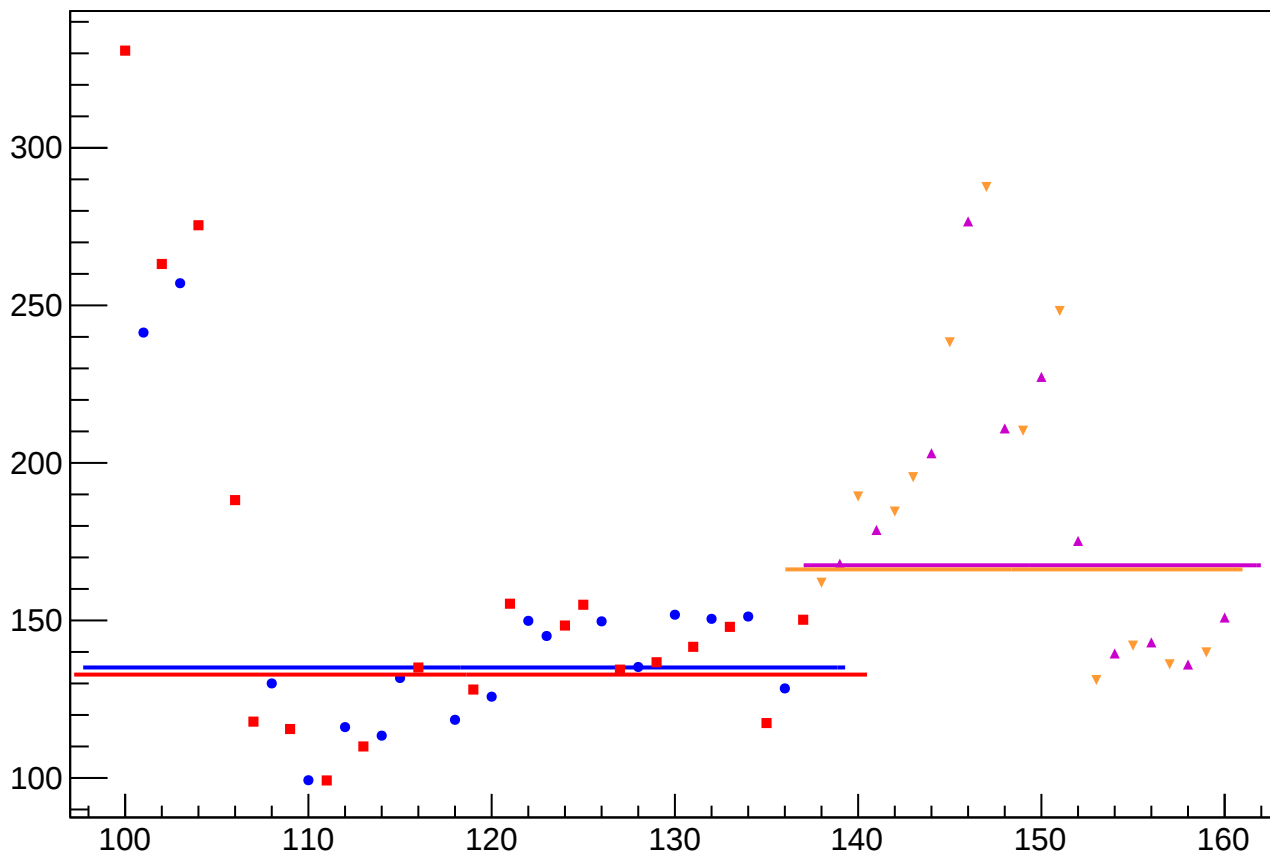
Right Out: 4534.200 $\pm$ 52.462 χ^2/NDF : 7477.2/18

Left In: 8994.802 $\pm$ 58.594 χ^2/NDF : 13833.4/10

-658.967 $\pm$ 39.779 χ^2/NDF : 37835.2/28

6518.943 $\pm$ 39.085 χ^2/NDF : 24527.4/29

asym_bpm0i02WS_rms vs Slug



Right In: 135.072+/-0.039 χ^2/NDF : 658703.5/16

Left Out: 166.201+/-0.041 χ^2/NDF : 988562.4/11

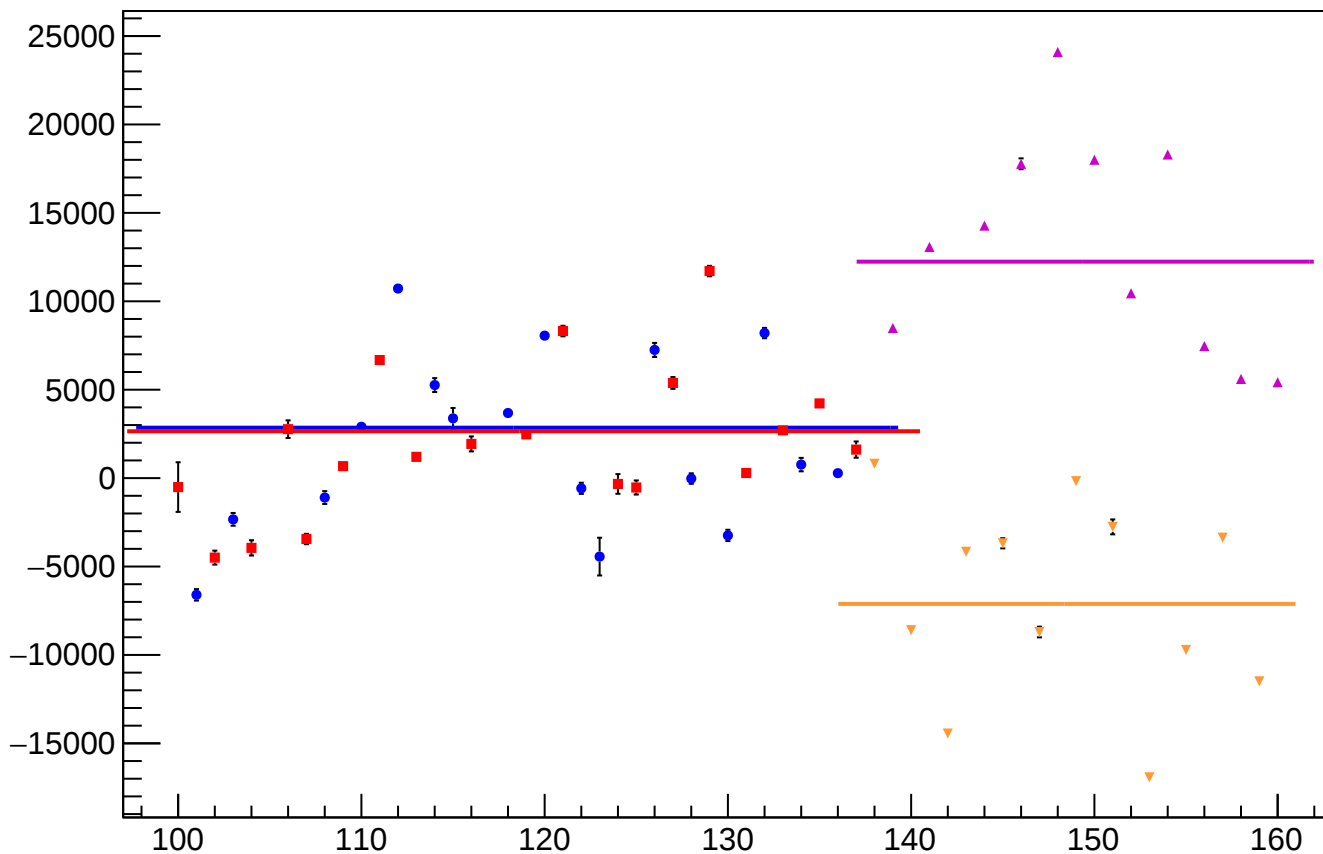
Right Out: 132.816+/-0.037 χ^2/NDF : 831191.5/18

Left In: 167.504+/-0.041 χ^2/NDF : 712852.1/10

149.798+/-0.028 χ^2/NDF : 1952583.7/28

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: -7114.118+/-67.305 χ^2/NDF : 7130.1/11

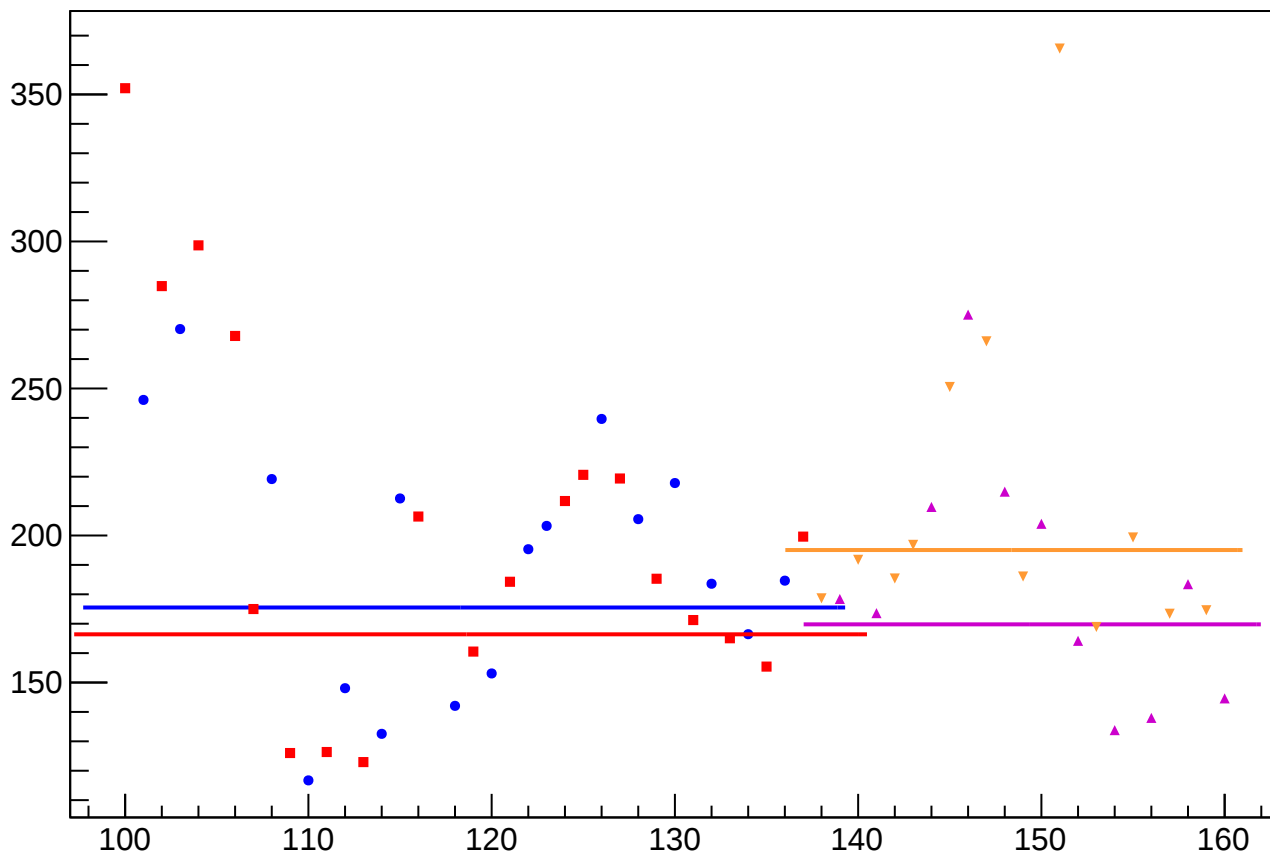
Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

Left In: 12240.836+/-59.495 χ^2/NDF : 9211.5/10

-2380.128+/-48.765 χ^2/NDF : 21722.8/28

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: 195.058 +/- 0.048 χ^2/NDF : 611146.0/11

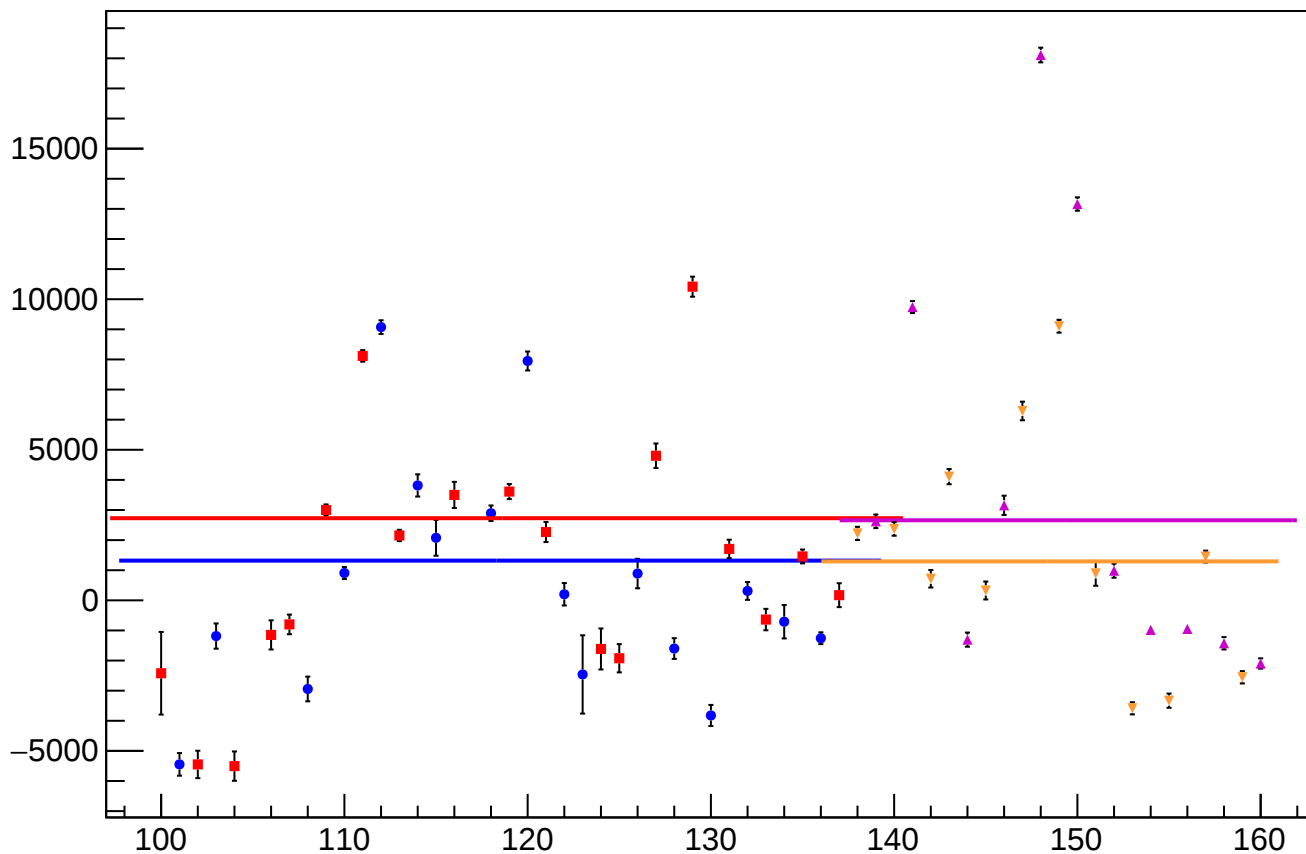
Right Out: 166.393 +/- 0.046 χ^2/NDF : 929534.5/18

Left In: 169.783 +/- 0.042 χ^2/NDF : 674315.8/10

185.774 +/- 0.034 χ^2/NDF : 1380896.5/28

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: 1293.586+/-69.265 χ^2/NDF :3098.9/11

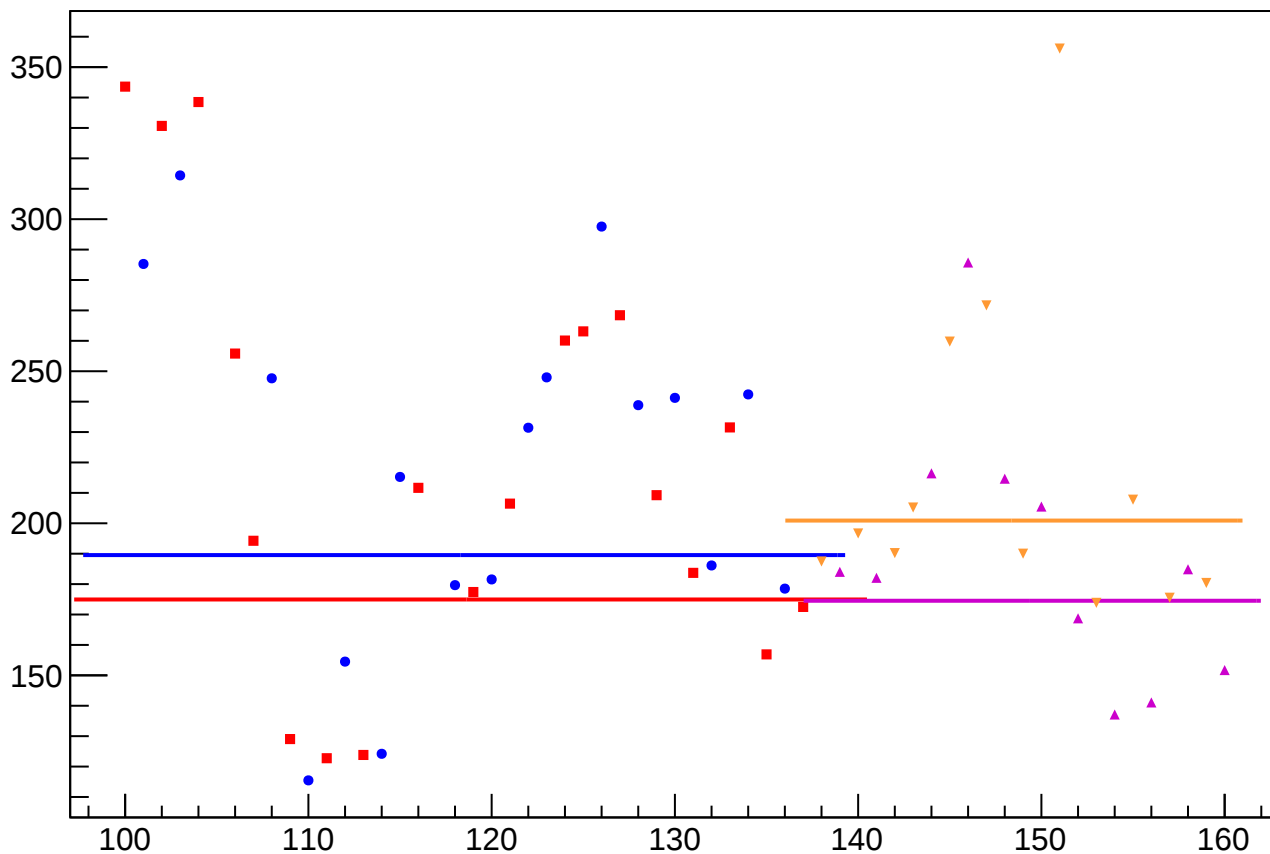
Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

Left In: 2658.609+/-61.171 χ^2/NDF :10088.1/10

1304.933+/-51.539 χ^2/NDF : 5766.0/28

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: 200.895+/-0.049 χ^2/NDF : 572892.4/11

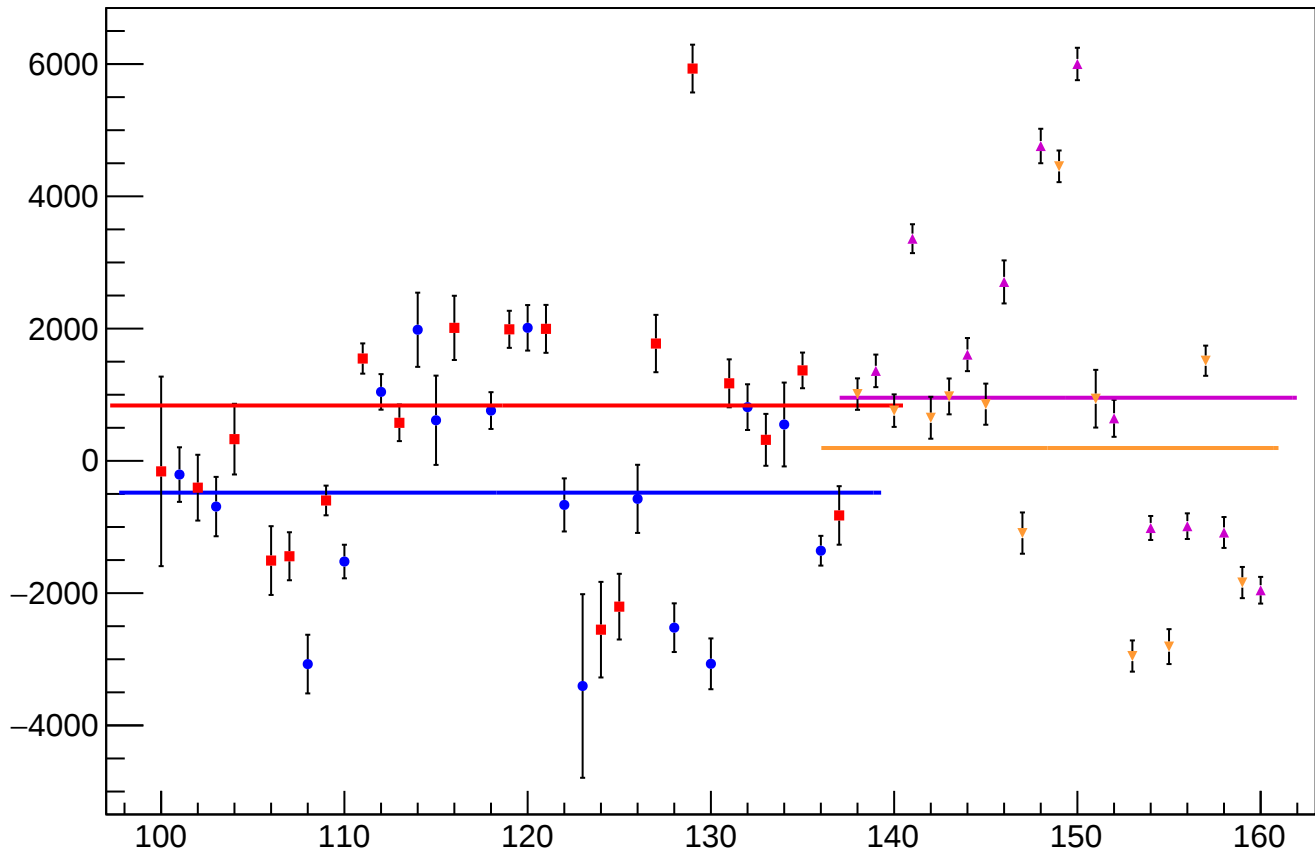
Right Out: 174.944+/-0.050 χ^2/NDF : 1297106.6/18

Left In: 174.526+/-0.043 χ^2/NDF : 653551.1/10

195.829+/-0.036 χ^2/NDF : 1577607.1/28

174.706+/-0.033 χ^2/NDF : 1950698.2/29

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 $\chi^2/\text{NDF}: 290.7/16$

Left Out: 194.529 ± 76.567 $\chi^2/\text{NDF}: 783.6/11$

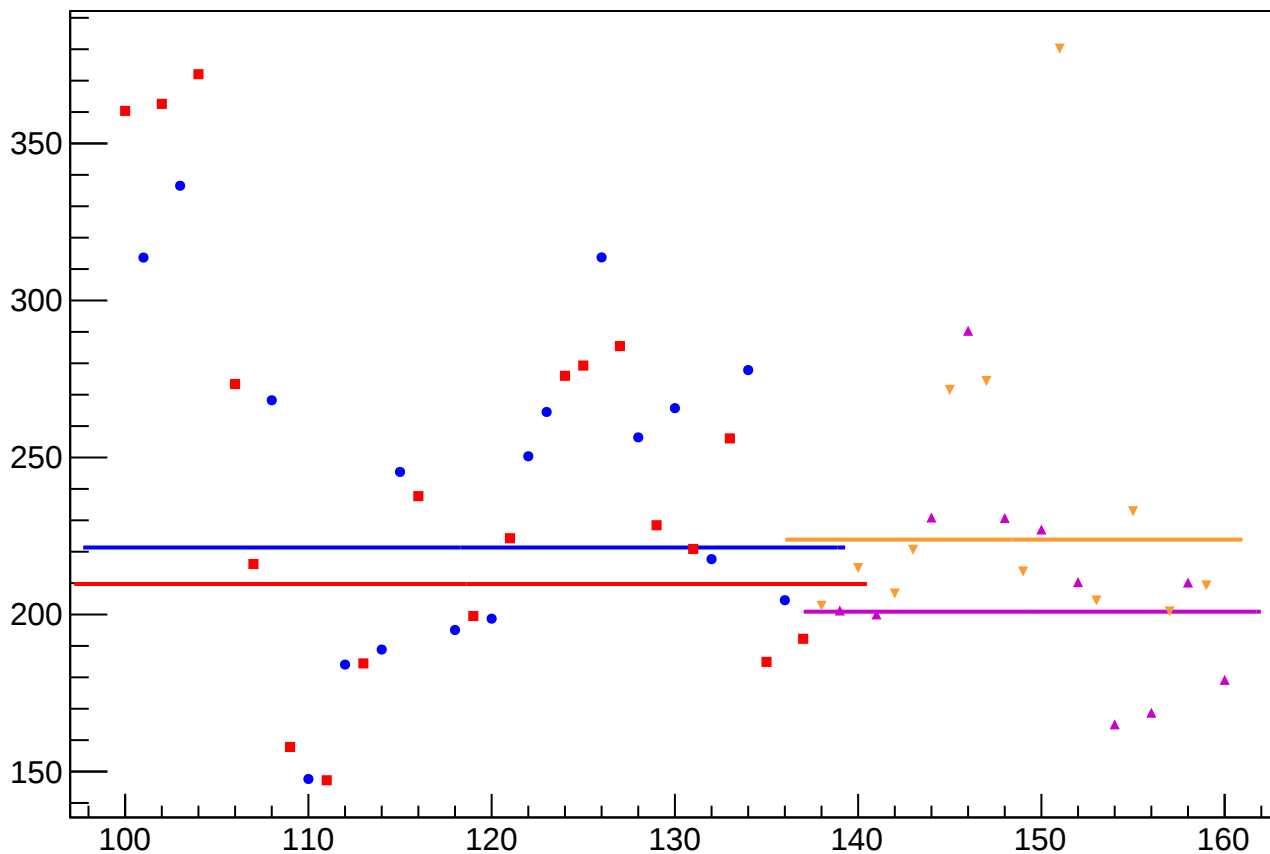
Right Out: 837.442 ± 82.243 $\chi^2/\text{NDF}: 435.3/18$

Left In: 954.509 ± 69.527 $\chi^2/\text{NDF}: 1300.9/10$

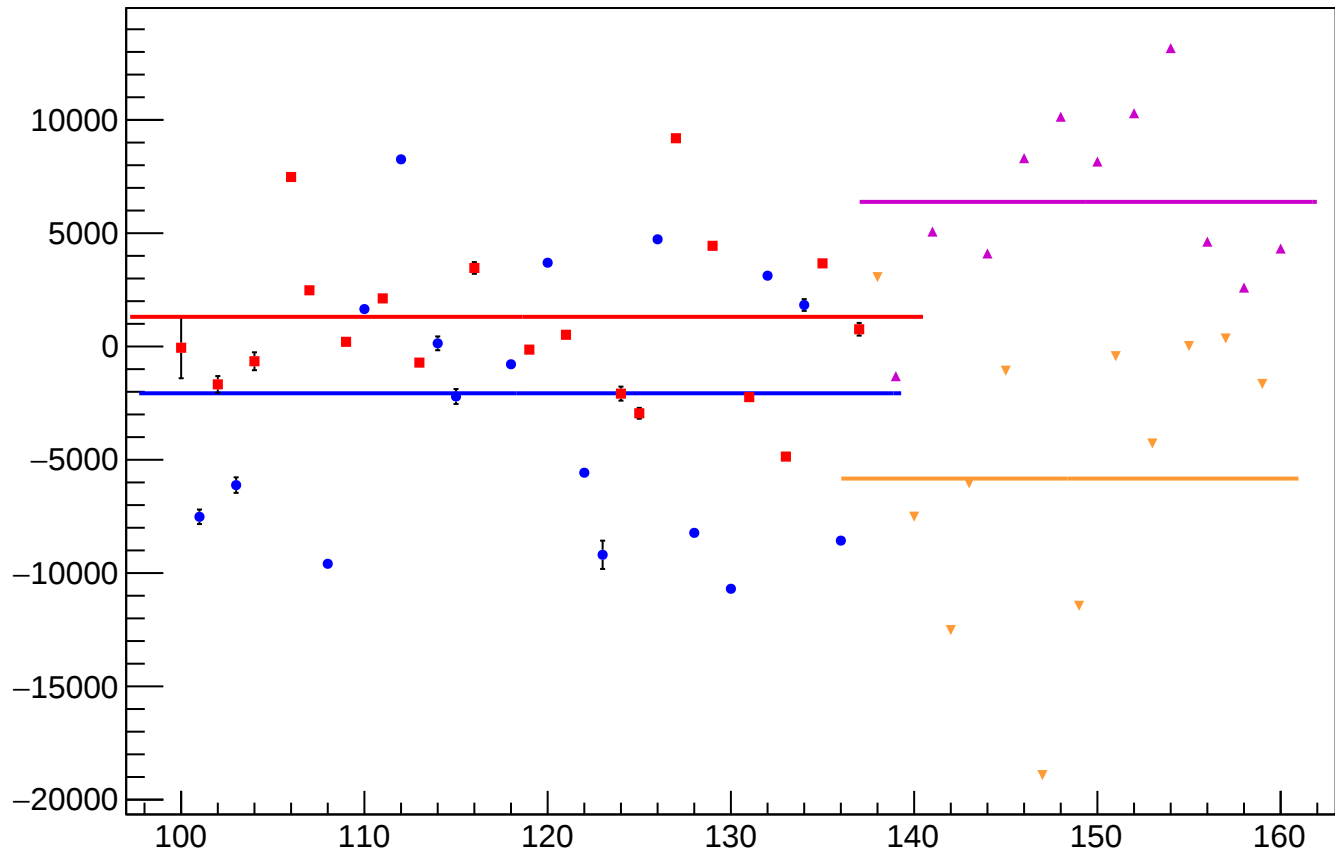
-93.950 ± 57.943 $\chi^2/\text{NDF}: 1107.5/28$

905.716 ± 53.096 $\chi^2/\text{NDF}: 1737.4/29$

asym_bpm0i07WS_rms vs Slug



asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -5829.206 ± 40.002 $\chi^2/\text{NDF}: 26936.4/11$

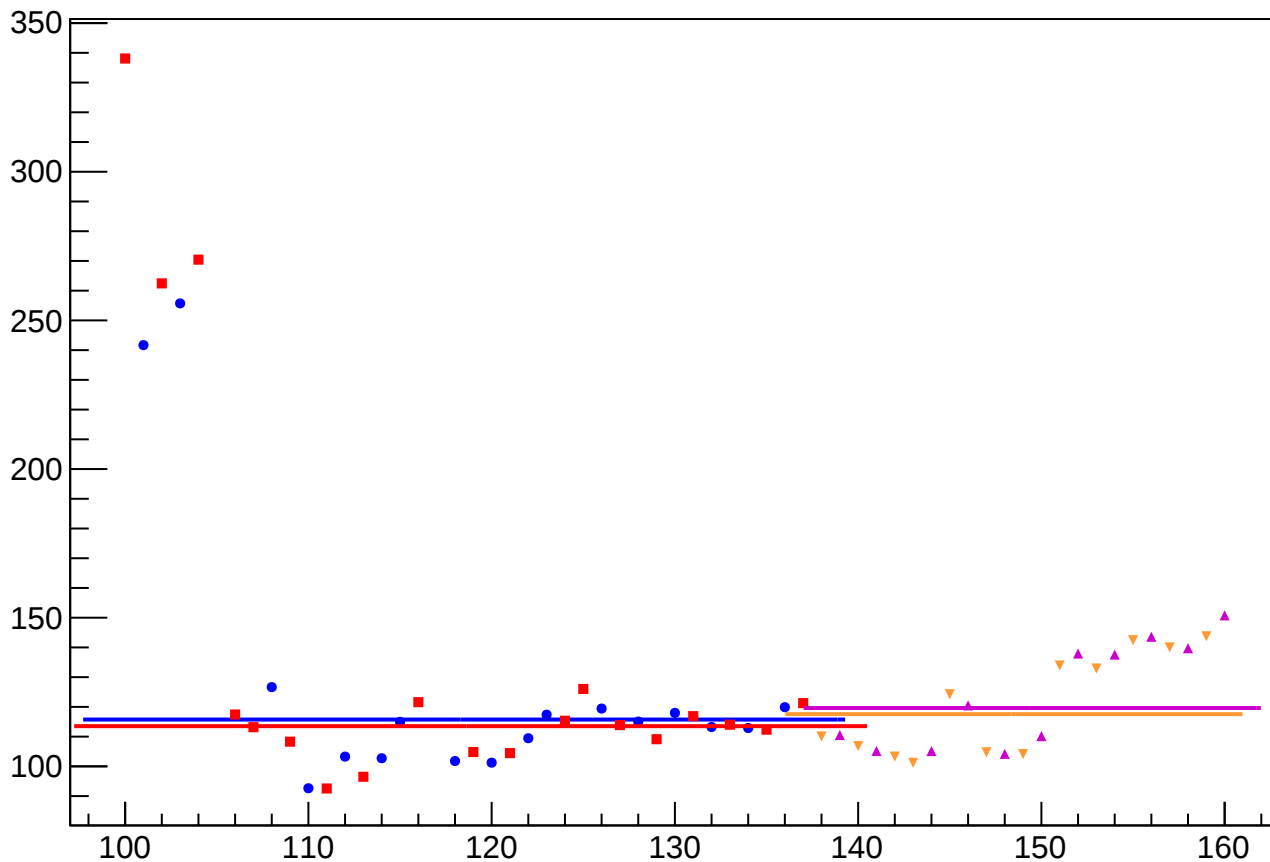
Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

Left In: 6382.594 ± 40.755 $\chi^2/\text{NDF}: 8664.2/10$

-4260.514 ± 30.550 $\chi^2/\text{NDF}: 47159.7/28$

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: 117.566+/-0.028 χ^2/NDF : 312345.8/11

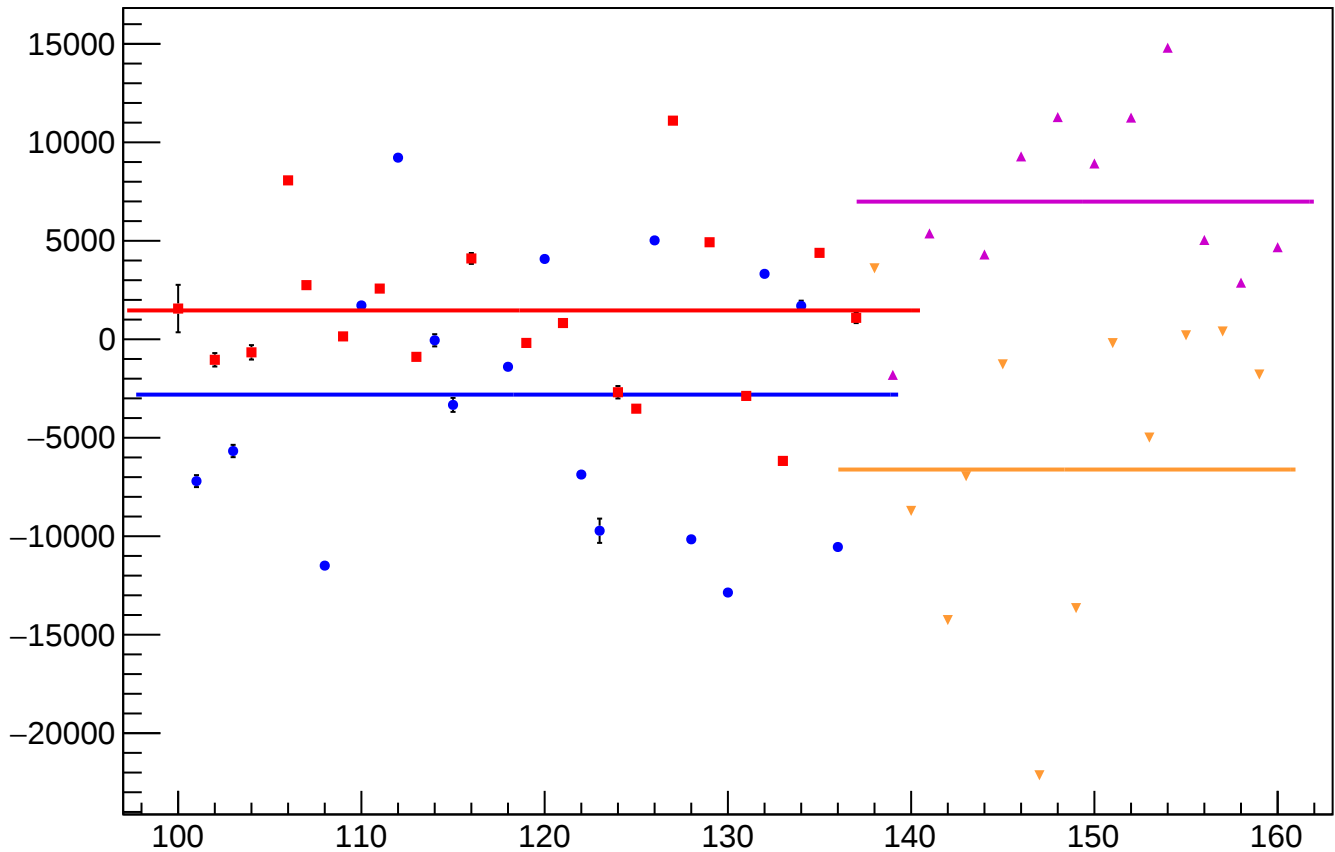
Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

Left In: 119.613+/-0.029 χ^2/NDF : 320453.7/10

116.805+/-0.022 χ^2/NDF : 1058098.8/28

116.867+/-0.021 χ^2/NDF : 1137245.9/29

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101 ± 48.284 χ^2/NDF : 21263.1/16

Left Out: -6613.344 ± 42.576 χ^2/NDF : 32436.3/11

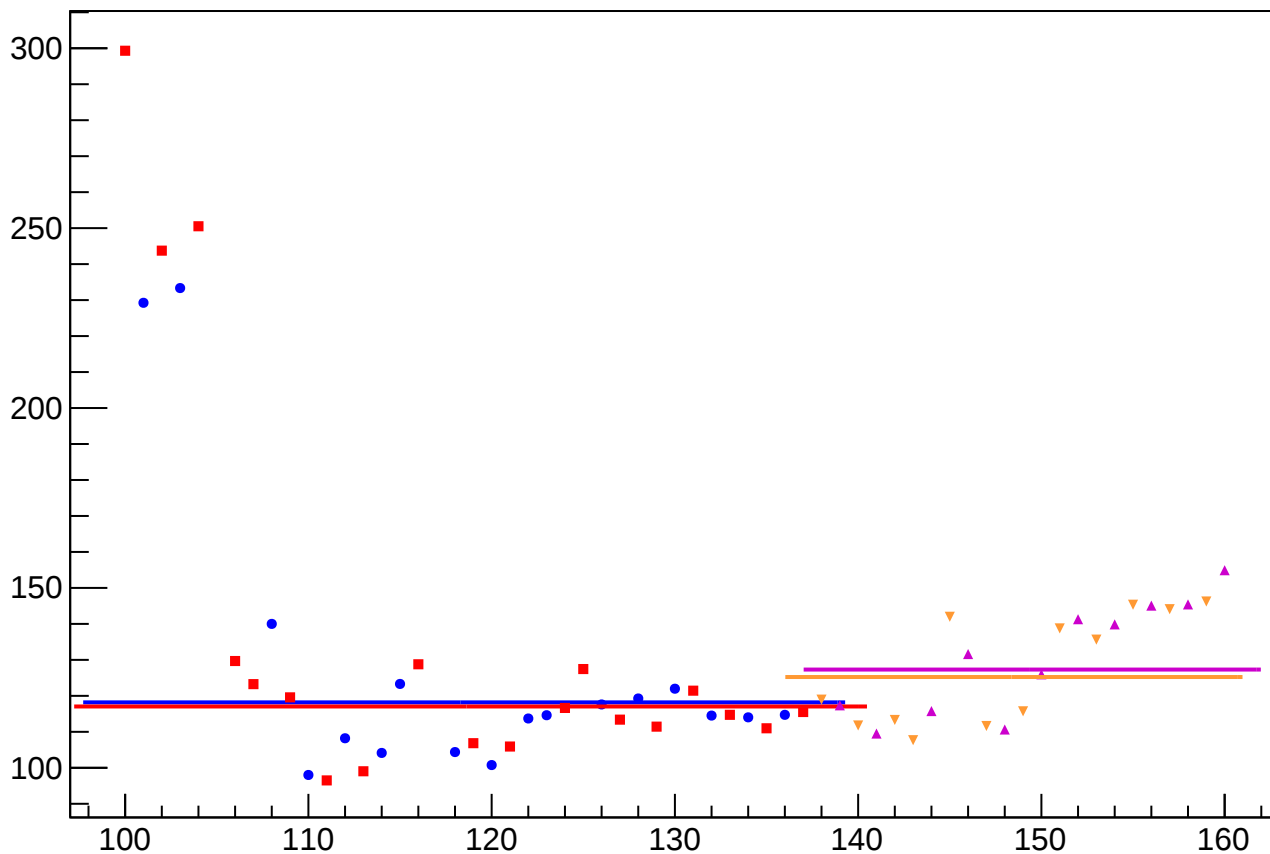
Right Out: 1465.074 ± 46.394 χ^2/NDF : 8004.7/18

Left In: 6989.914 ± 43.327 χ^2/NDF : 10187.5/10

-4949.309 ± 31.934 χ^2/NDF : 57191.8/28

4416.184 ± 31.666 χ^2/NDF : 25767.0/29

asym_bpm2i01WS_rms vs Slug



Right In: 118.188+/-0.034 χ^2/NDF : 636252.0/16

Left Out: 125.232+/-0.030 χ^2/NDF : 237695.1/11

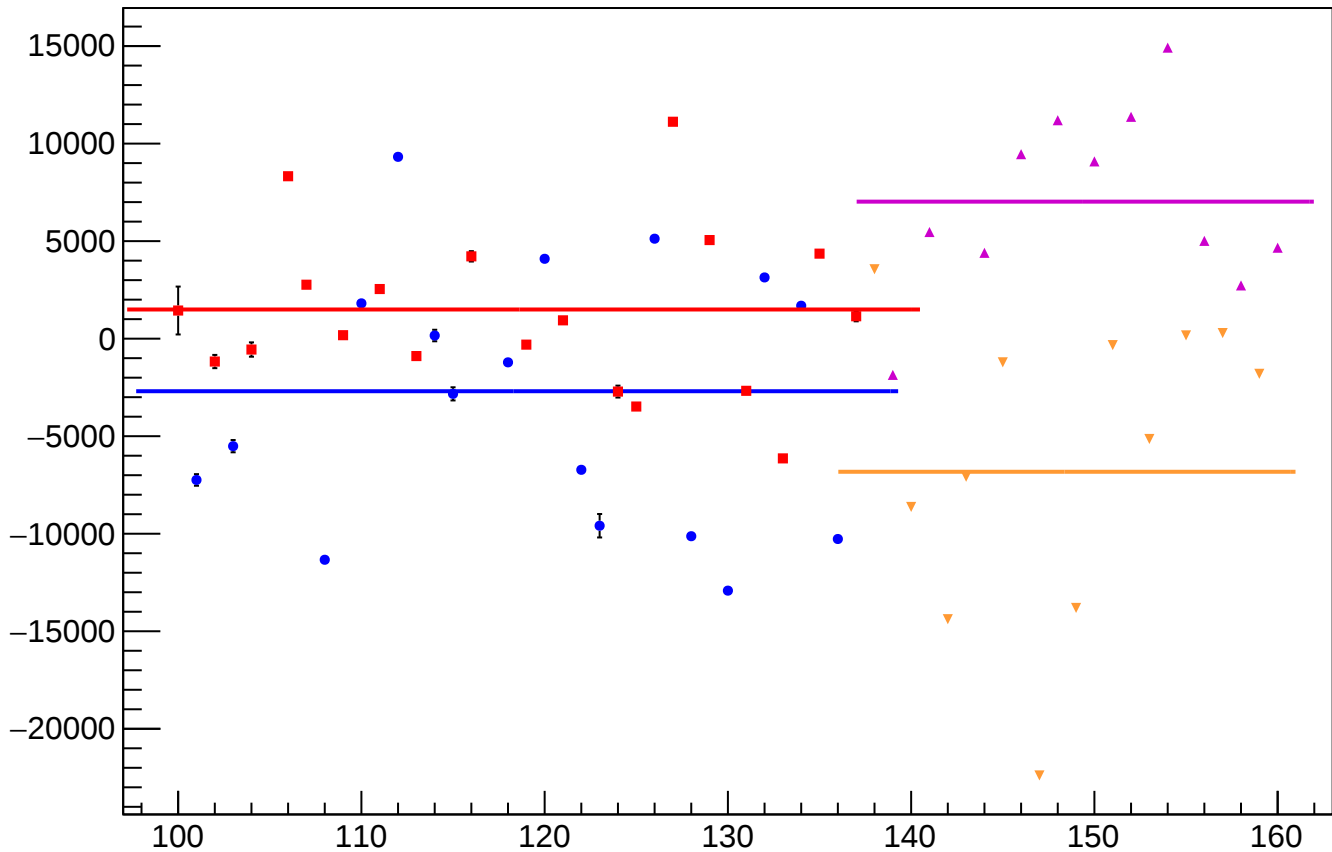
Right Out: 117.046+/-0.033 χ^2/NDF : 690635.5/18

Left In: 127.307+/-0.031 χ^2/NDF : 234487.1/10

122.151+/-0.023 χ^2/NDF : 897894.4/28

122.527+/-0.022 χ^2/NDF : 977383.8/29

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 ± 46.347 χ^2/NDF : 22860.3/16

Left Out: -6823.519 ± 41.430 χ^2/NDF : 35468.8/11

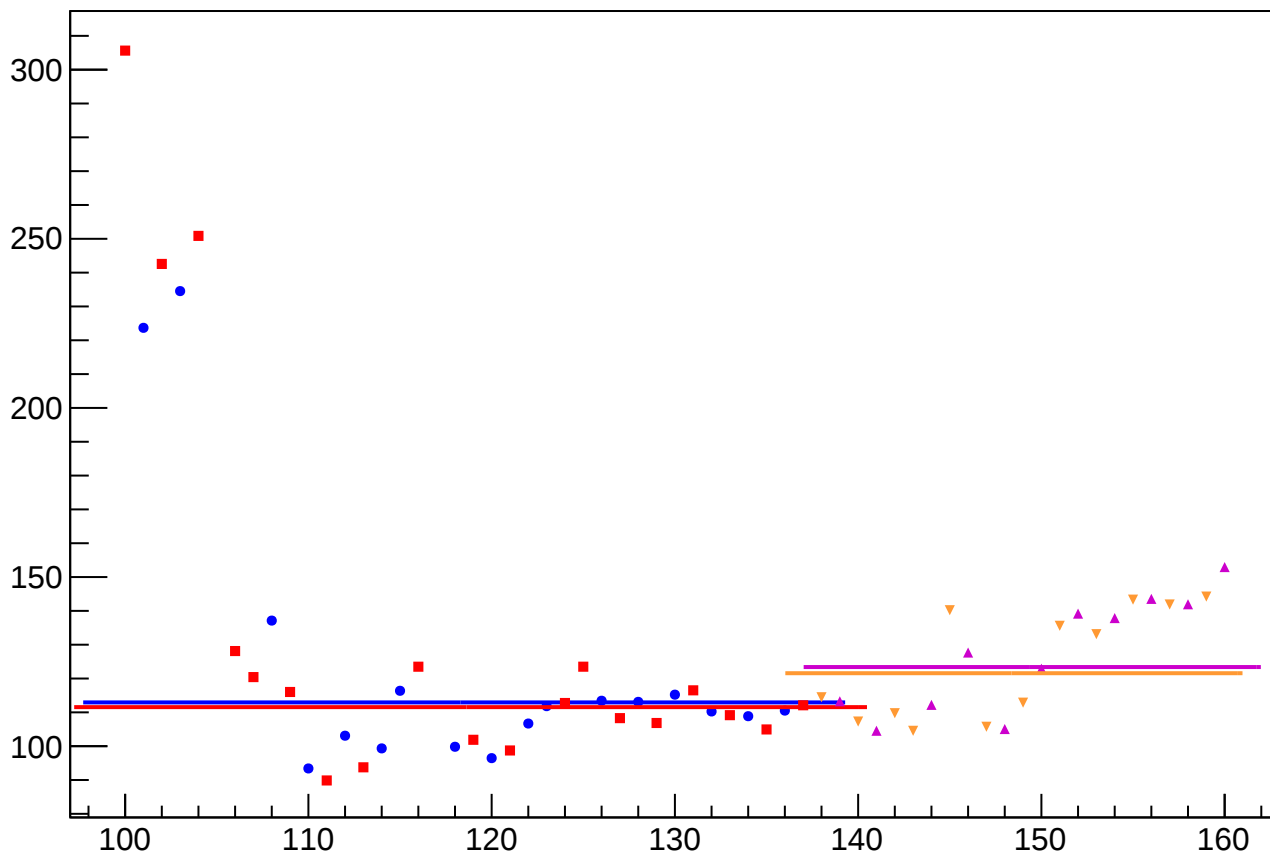
Right Out: 1495.744 ± 44.445 χ^2/NDF : 8717.2/18

Left In: 7024.608 ± 42.109 χ^2/NDF : 10962.7/10

-4989.502 ± 30.888 χ^2/NDF : 62741.3/28

4409.263 ± 30.568 χ^2/NDF : 27834.7/29

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 ± 0.033 χ^2/NDF : 680283.1/16

Left Out: 121.572 ± 0.029 χ^2/NDF : 281820.6/11

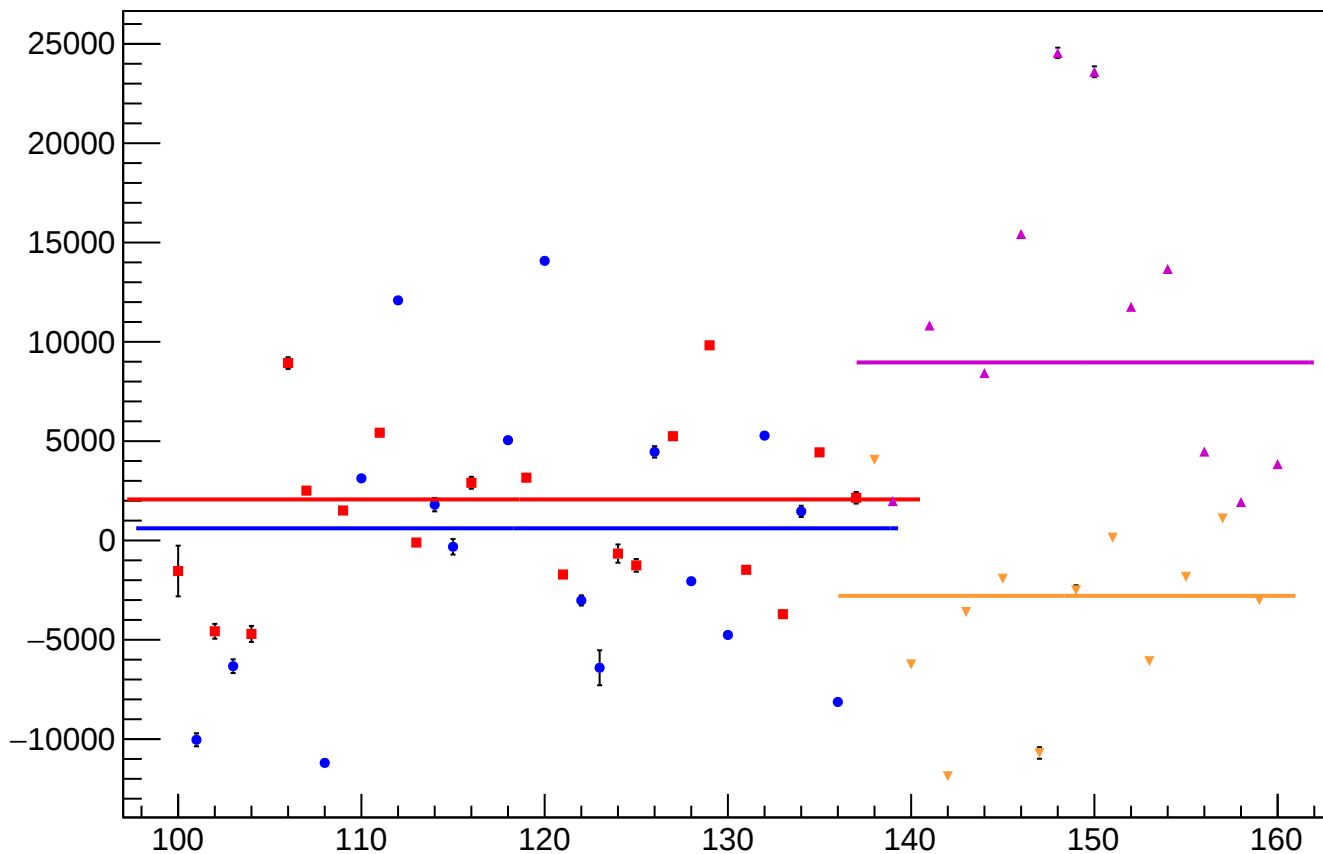
Right Out: 111.544 ± 0.031 χ^2/NDF : 765502.6/18

Left In: 123.394 ± 0.030 χ^2/NDF : 285539.0/10

117.738 ± 0.022 χ^2/NDF : 1000664.2/28

117.788 ± 0.022 χ^2/NDF : 1125971.6/29

asym_bpm0i01WS_mean vs Slug



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -2788.093 ± 52.032 $\chi^2/\text{NDF}: 6012.3/11$

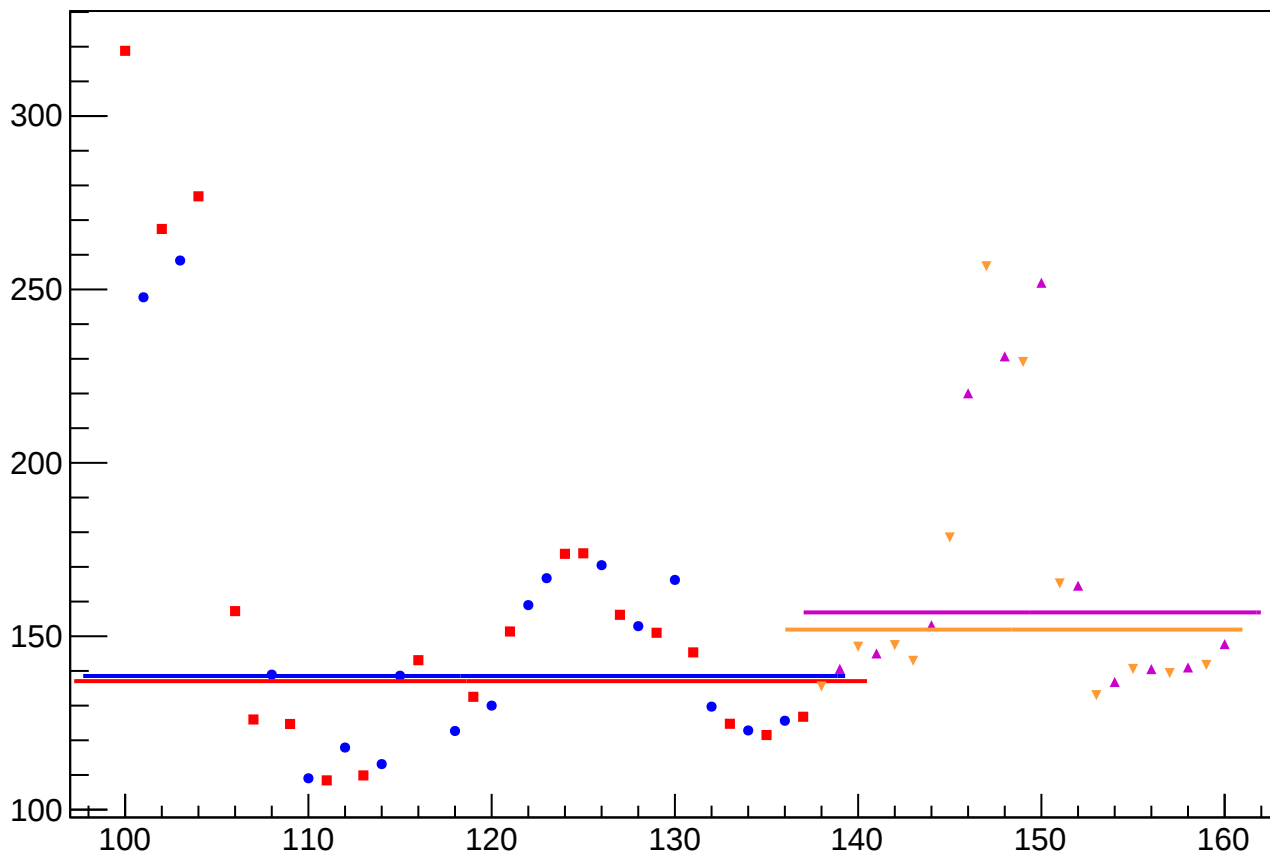
Right Out: 2067.410 ± 53.931 $\chi^2/\text{NDF}: 4642.7/18$

Left In: 8963.170 ± 54.051 $\chi^2/\text{NDF}: 13854.2/10$

-1214.349 ± 38.137 $\chi^2/\text{NDF}: 26232.5/28$

5507.615 ± 38.177 $\chi^2/\text{NDF}: 26653.2/29$

asym_bpm0i01WS_rms vs Slug



Right In: 138.542+/-0.040 χ^2/NDF : 668941.7/16

Left Out: 151.916+/-0.037 χ^2/NDF : 575563.2/11

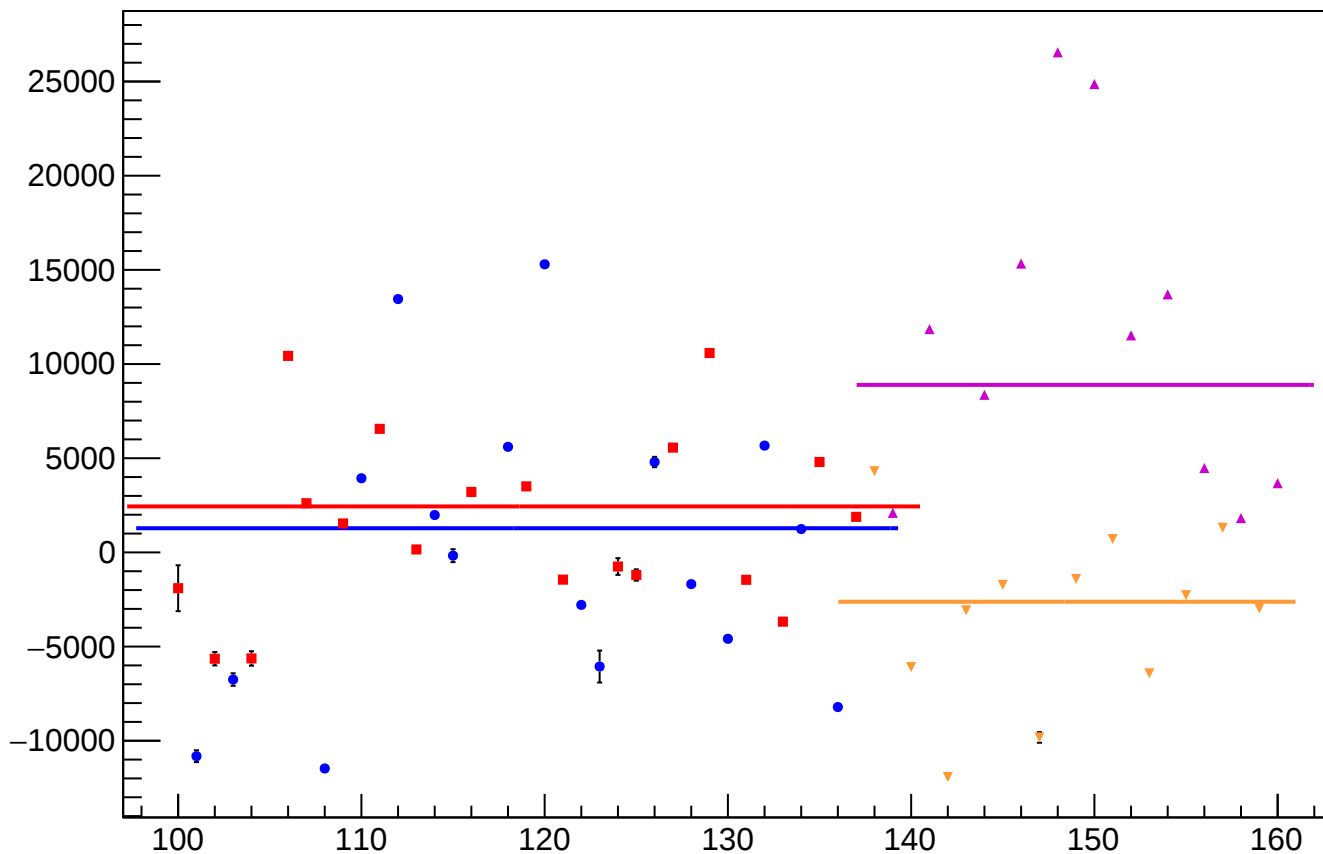
Right Out: 137.061+/-0.038 χ^2/NDF : 755491.9/18

Left In: 156.873+/-0.038 χ^2/NDF : 654300.3/10

145.727+/-0.027 χ^2/NDF : 1305651.2/28

146.945+/-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: -2621.389+/-46.066 χ^2/NDF : 8050.0/11

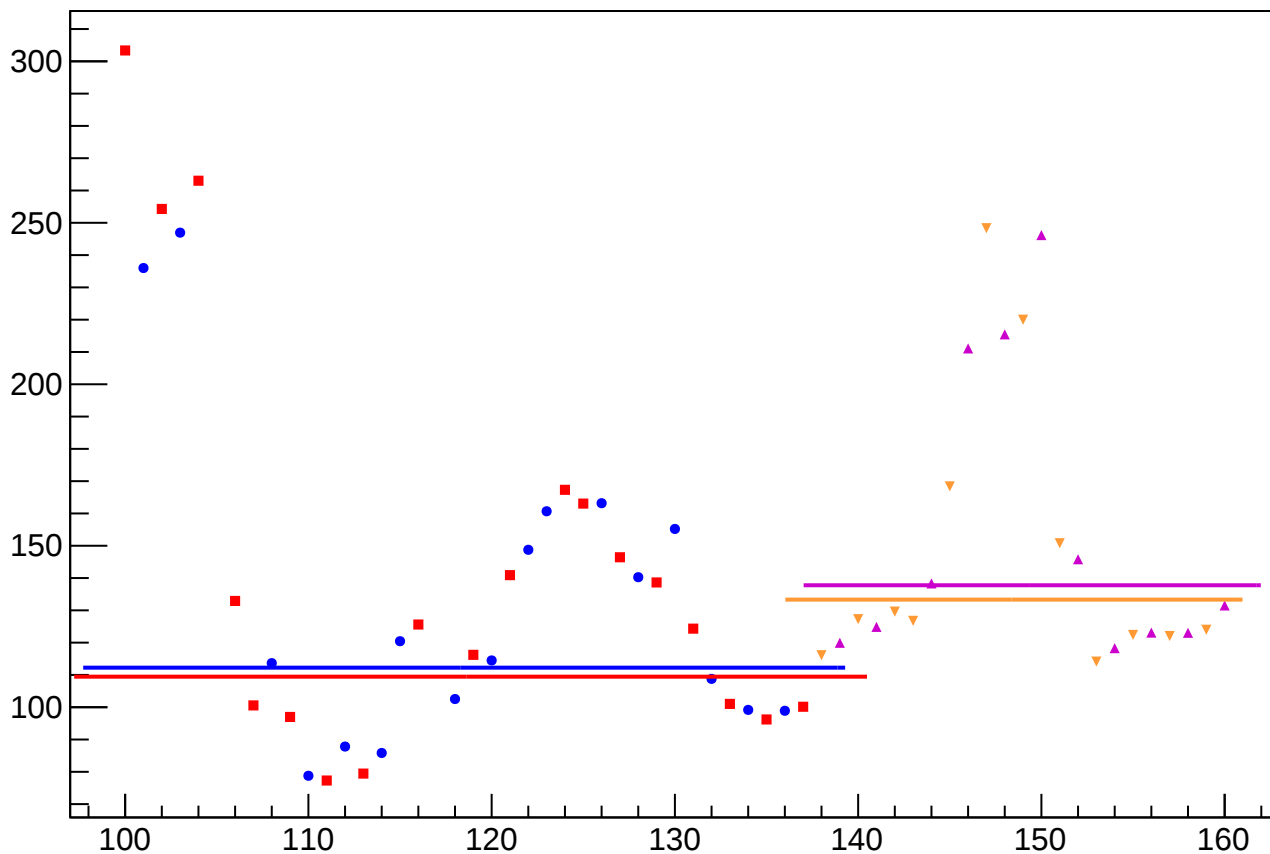
Right Out: 2440.256+/-44.286 χ^2/NDF : 7677.5/18

Left In: 8893.270+/-47.983 χ^2/NDF : 18533.9/10

-690.538+/-32.751 χ^2/NDF : 42143.4/28

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: 133.318+/-0.033 χ^2/NDF : 784387.1/11

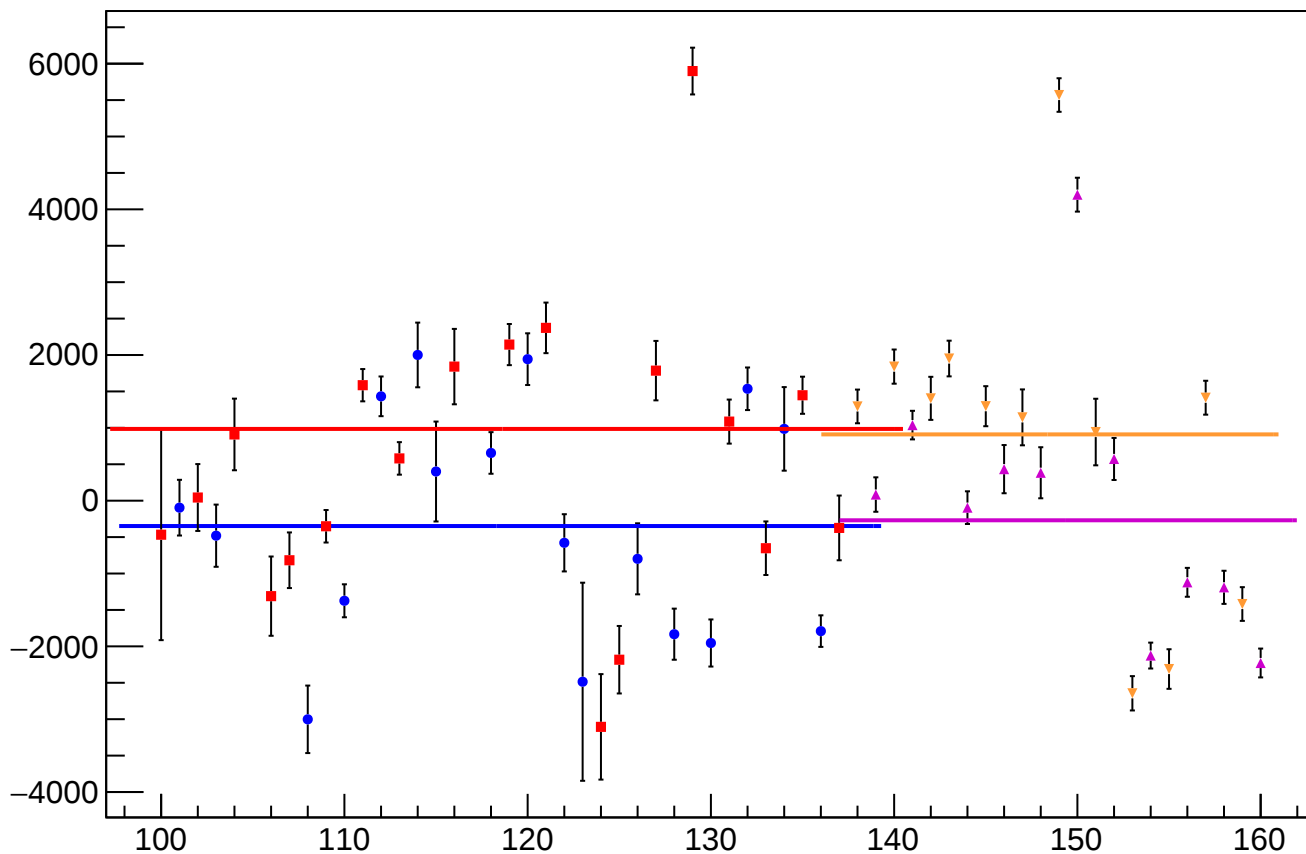
Right Out: 109.460+/-0.031 χ^2/NDF : 1269633.4/18

Left In: 137.767+/-0.034 χ^2/NDF : 871859.4/10

122.899+/-0.023 χ^2/NDF : 2116783.5/28

122.481+/-0.023 χ^2/NDF : 2517353.9/29

asym_bpm0l01WS_mean vs Slug



Right In: -348.055 ± 83.826 $\chi^2/\text{NDF}: 317.3/16$

Left Out: 910.165 ± 75.096 $\chi^2/\text{NDF}: 925.0/11$

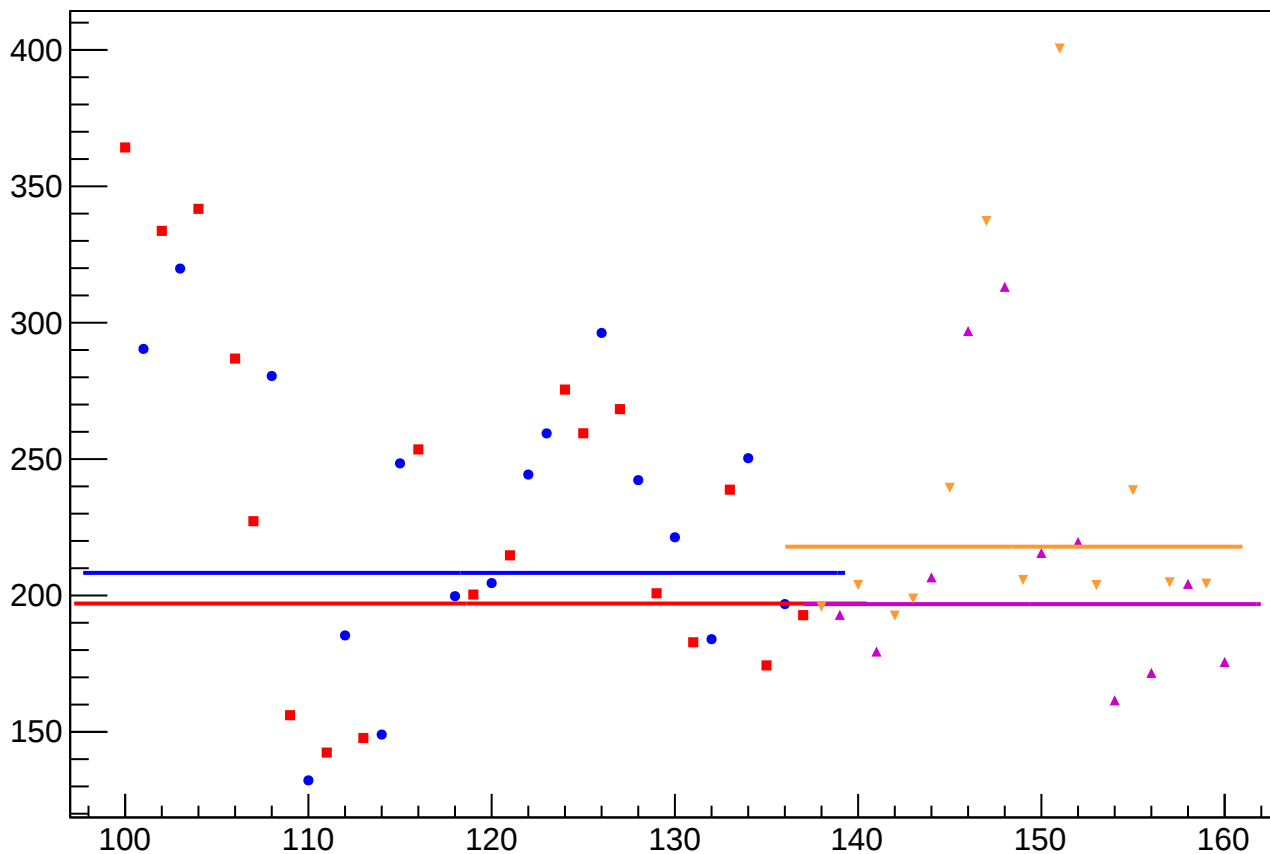
Right Out: 985.242 ± 77.683 $\chi^2/\text{NDF}: 476.6/18$

Left In: -269.155 ± 68.461 $\chi^2/\text{NDF}: 674.8/10$

349.967 ± 55.934 $\chi^2/\text{NDF}: 1367.3/28$

279.201 ± 51.362 $\chi^2/\text{NDF}: 1298.1/29$

asym_bpm0l01WS_rms vs Slug



Right In: 208.288+/-0.059 χ^2/NDF : 698491.0/16

Left Out: 217.896+/-0.053 χ^2/NDF : 614527.8/11

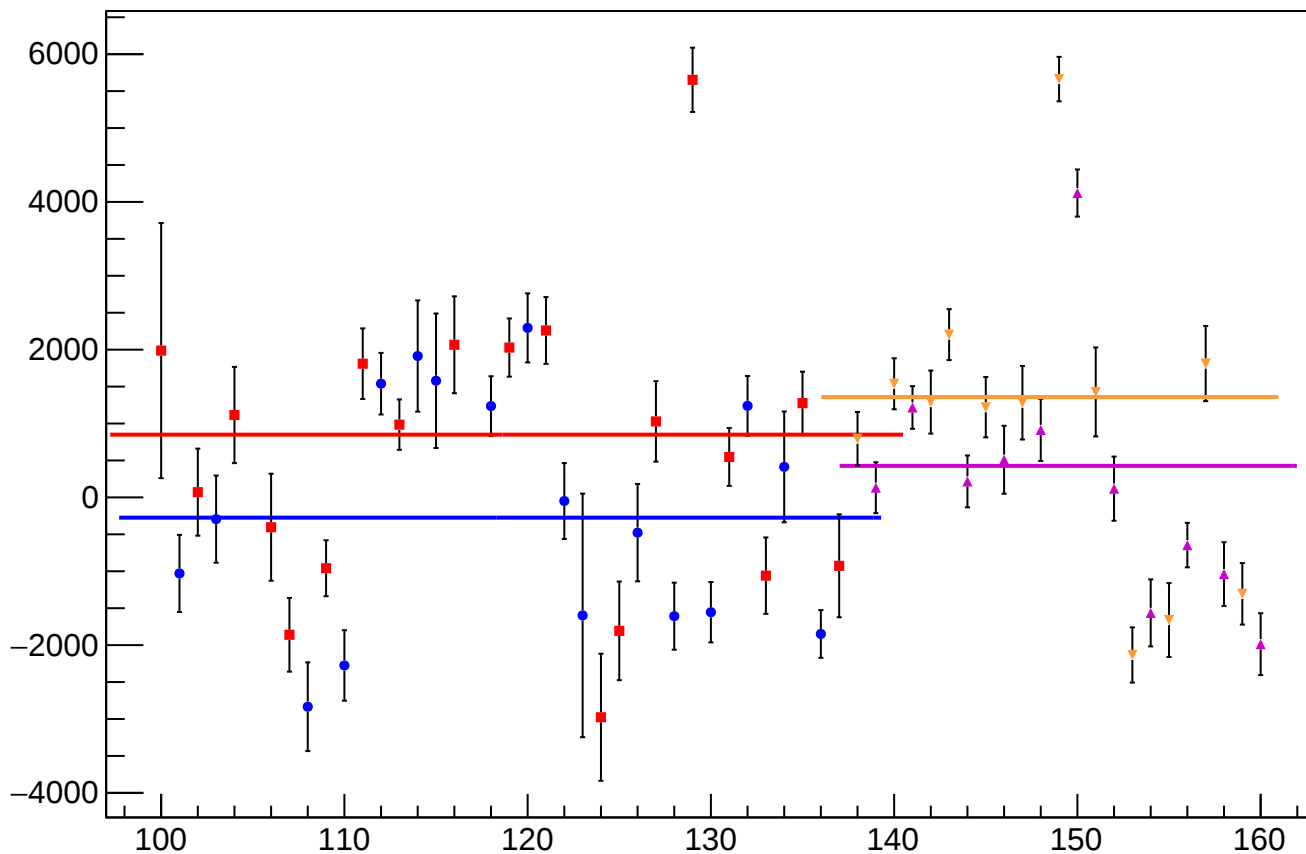
Right Out: 197.051+/-0.055 χ^2/NDF : 926786.6/18

Left In: 196.843+/-0.048 χ^2/NDF : 584793.3/10

213.618+/-0.040 χ^2/NDF : 1327596.7/28

196.934+/-0.036 χ^2/NDF : 1511588.0/29

asym_bpm0l02WS_mean vs Slug



Right In: -274.260 ± 121.326 χ^2/NDF : 171.6/16

Left Out: 1358.680 ± 115.799 χ^2/NDF : 379.4/11

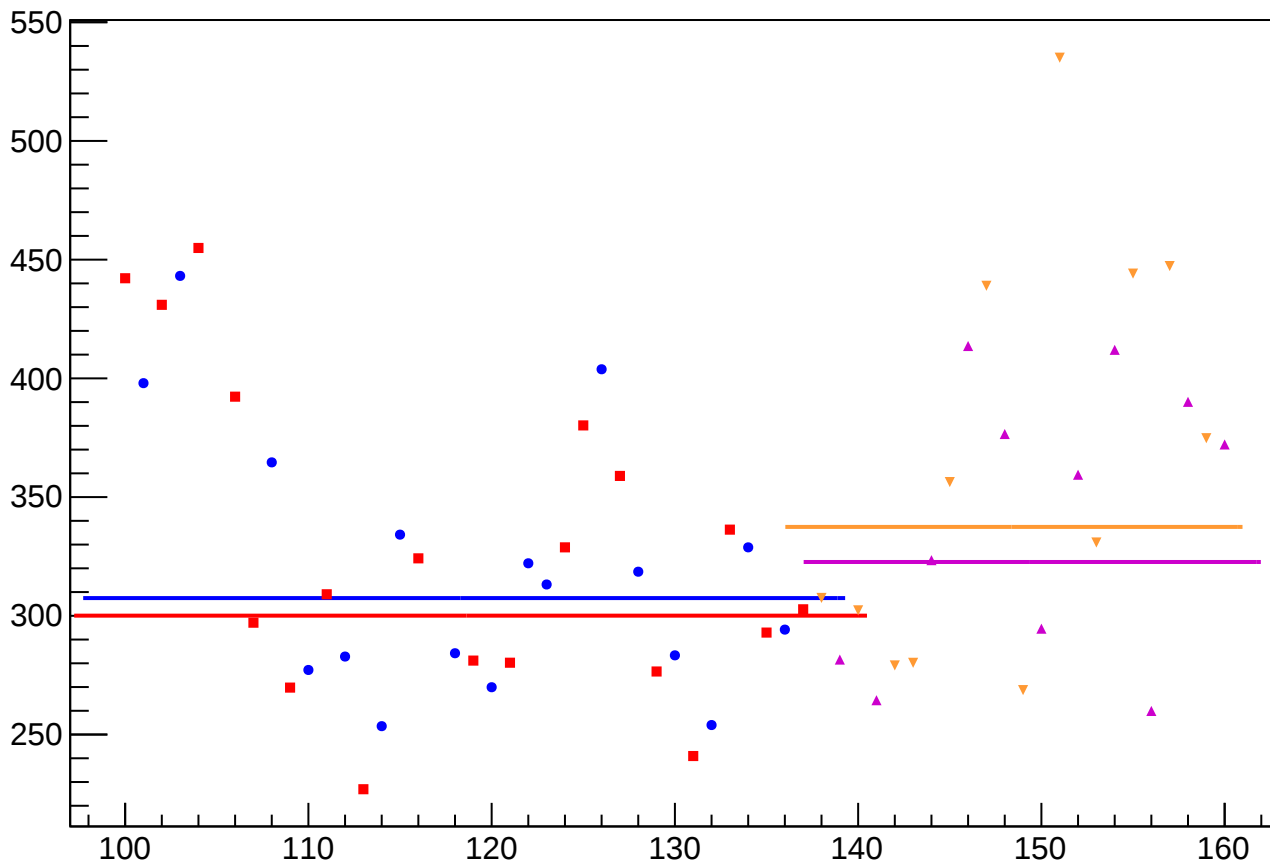
Right Out: 849.413 ± 115.349 χ^2/NDF : 263.3/18

Left In: 426.726 ± 111.082 χ^2/NDF : 221.2/10

580.249 ± 83.768 χ^2/NDF : 645.8/28

630.107 ± 80.013 χ^2/NDF : 491.4/29

asym_bpm0l02WS_rms vs Slug



Right In: 307.468+/-0.086 χ^2/NDF : 323096.7/16

Left Out: 337.439+/-0.082 χ^2/NDF : 735048.2/11

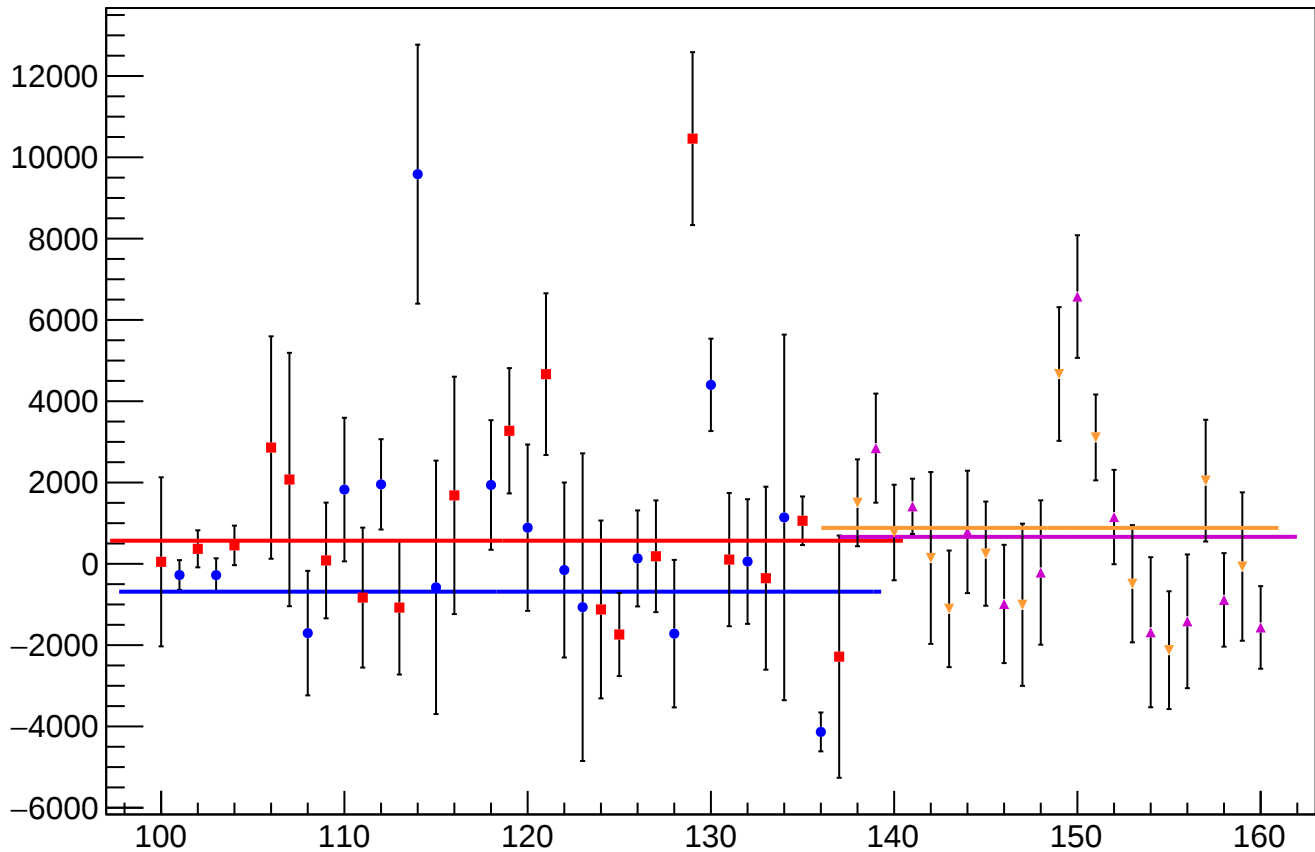
Right Out: 300.069+/-0.082 χ^2/NDF : 490398.9/18

Left In: 322.670+/-0.079 χ^2/NDF : 491982.6/10

323.152+/-0.059 χ^2/NDF : 1122013.7/28

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: 883.968 ± 403.556 χ^2/NDF : 19.4/11

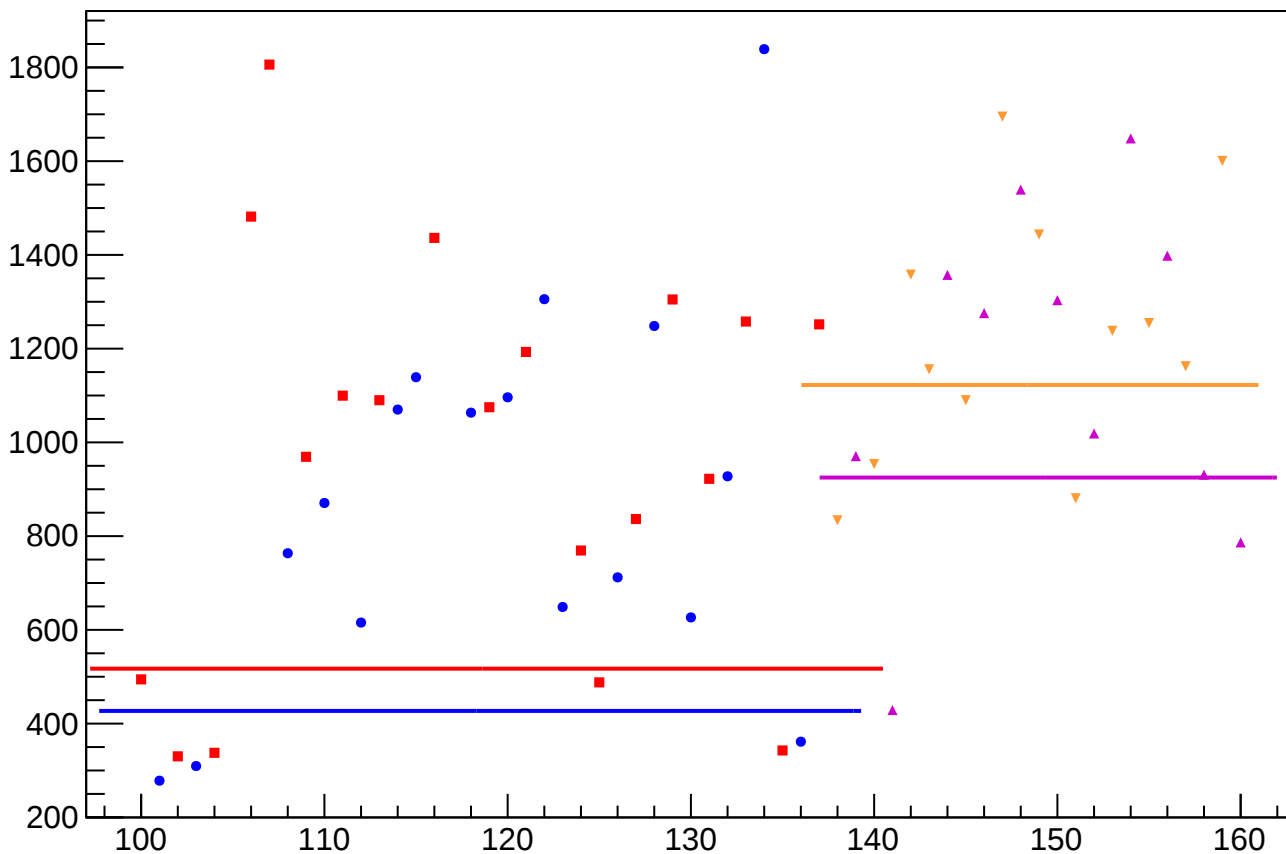
Right Out: 568.651 ± 243.251 χ^2/NDF : 39.7/18

Left In: 663.600 ± 364.812 χ^2/NDF : 30.8/10

-349.863 ± 186.525 χ^2/NDF : 128.6/28

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: 1122.435+/-0.285 χ^2/NDF : 728477.3/11

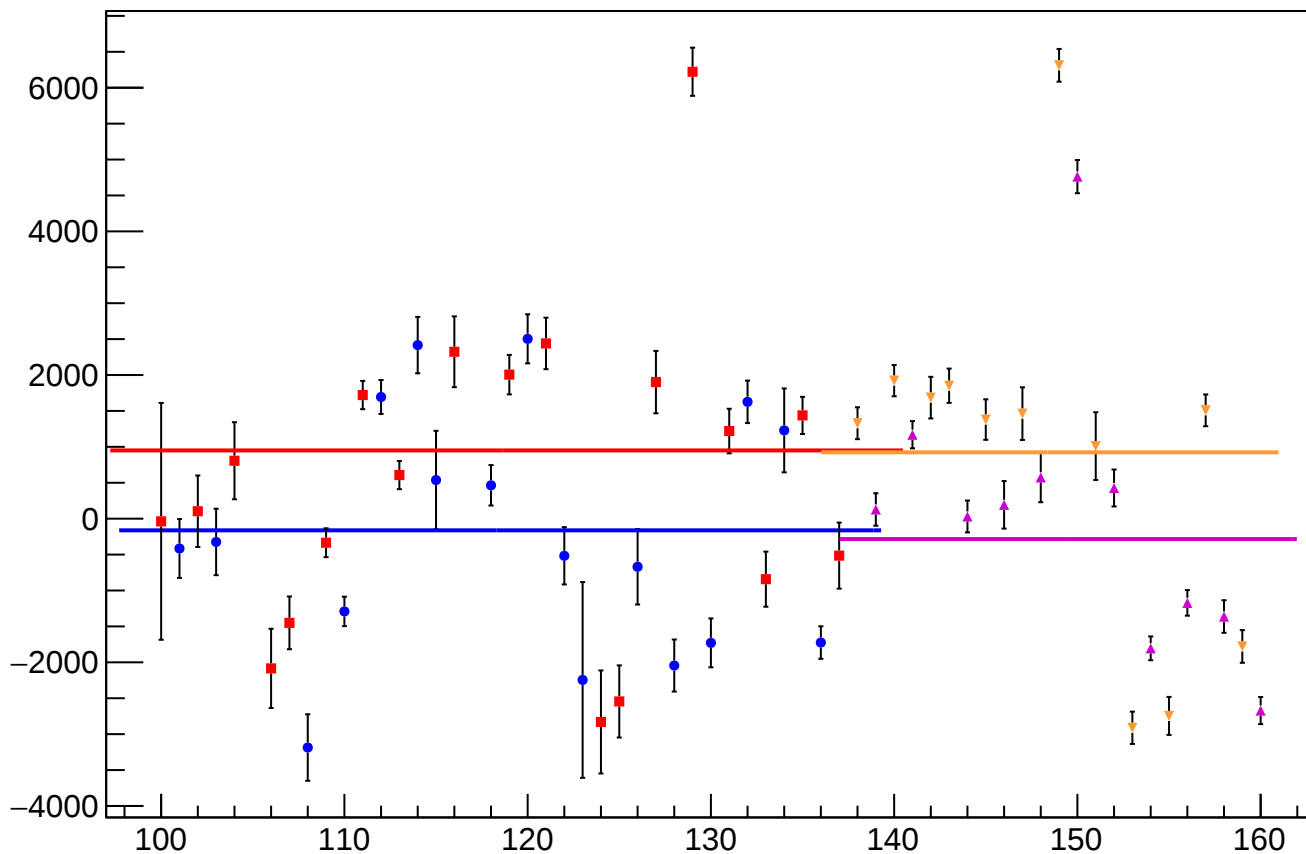
Right Out: 517.234+/-0.172 χ^2/NDF : 3605111.9/18

Left In: 924.965+/-0.258 χ^2/NDF : 2234623.4/10

575.629+/-0.132 χ^2/NDF : 8263575.4/28

642.721+/-0.143 χ^2/NDF : 7569110.9/29

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 $\chi^2/\text{NDF}: 387.6/16$

Left Out: 923.550 ± 72.834 $\chi^2/\text{NDF}: 1241.0/11$

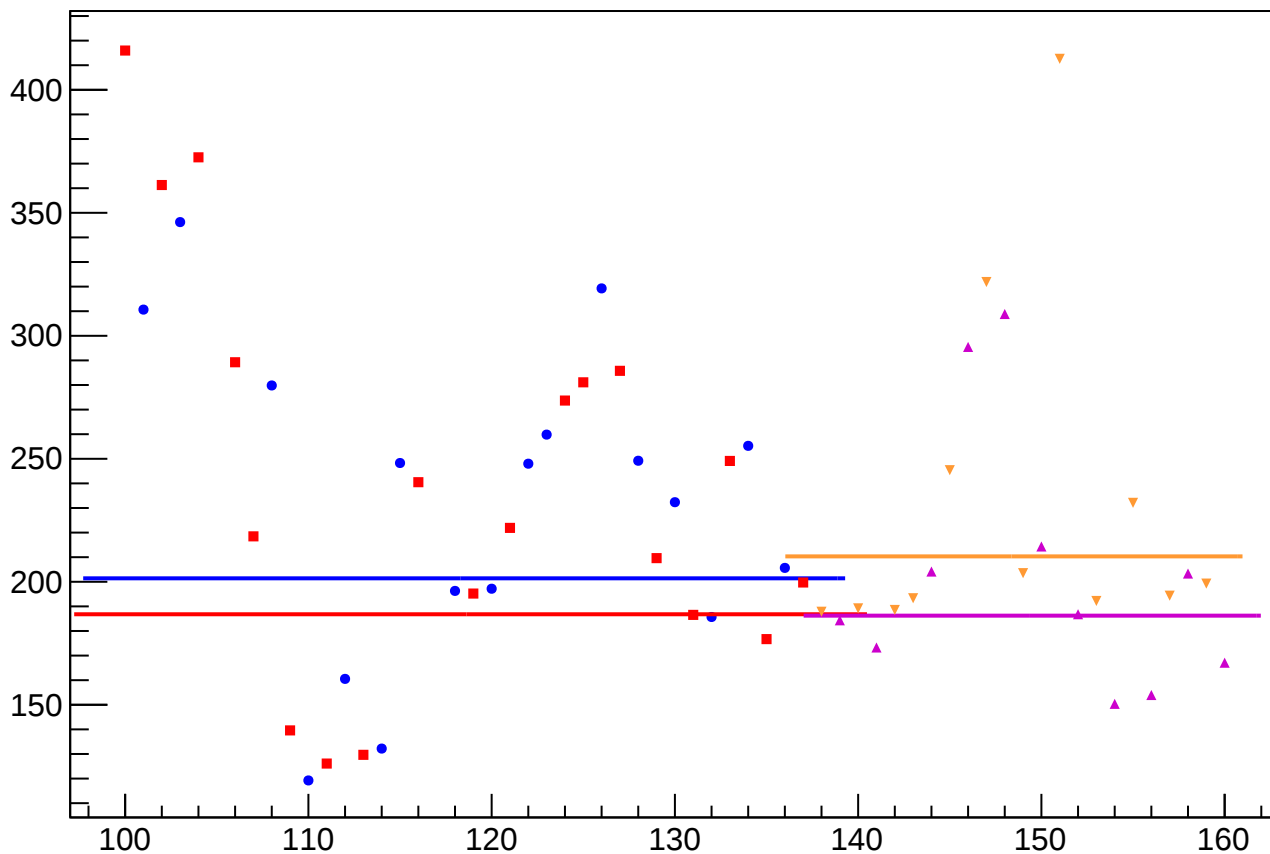
Right Out: 950.093 ± 75.133 $\chi^2/\text{NDF}: 539.8/18$

Left In: -283.616 ± 65.304 $\chi^2/\text{NDF}: 847.3/10$

446.950 ± 54.557 $\chi^2/\text{NDF}: 1726.1/28$

247.309 ± 49.288 $\chi^2/\text{NDF}: 1540.7/29$

asym_bpm0l04WS_rms vs Slug



Right In: 201.409+/-0.058 χ^2/NDF : 1056022.1/16

Left Out: 210.328+/-0.052 χ^2/NDF : 688102.3/11

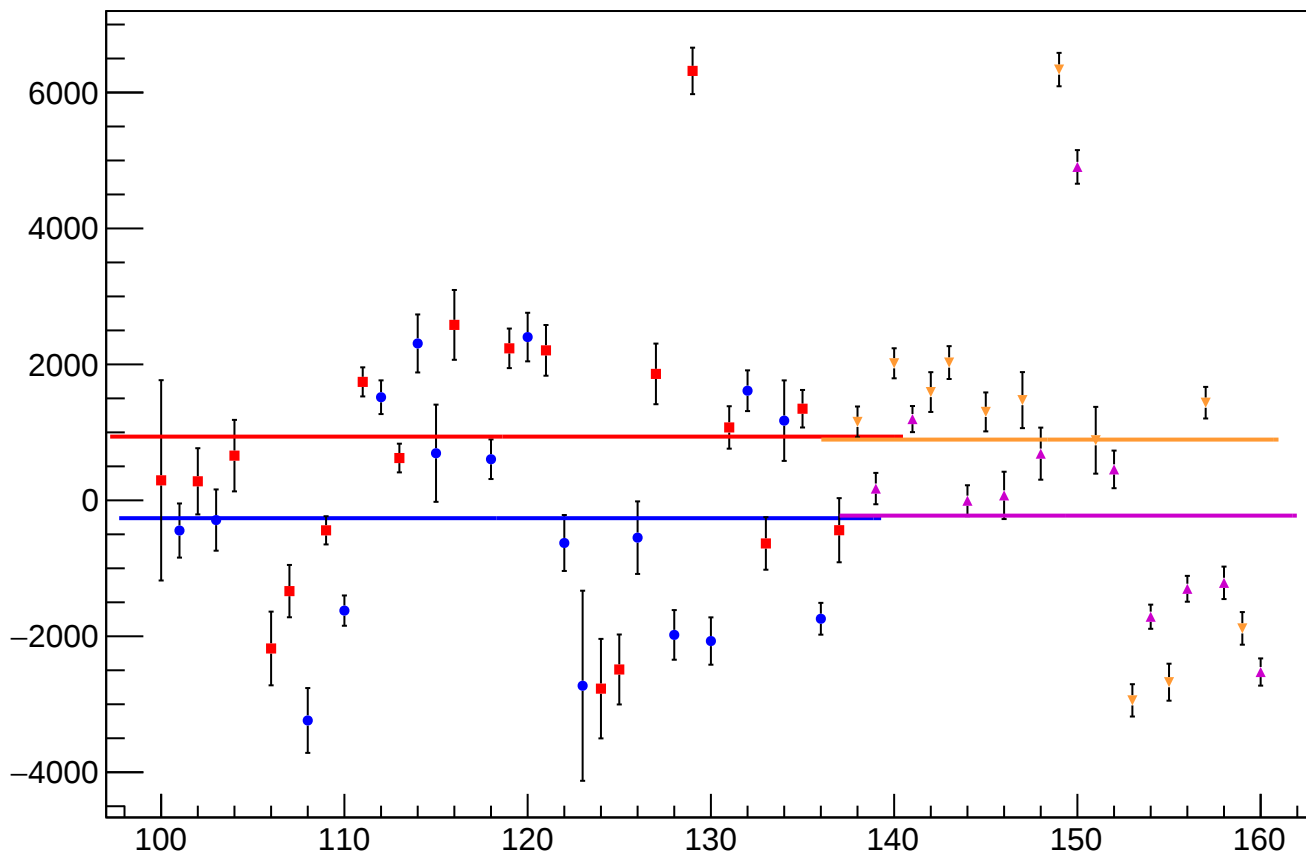
Right Out: 186.797+/-0.053 χ^2/NDF : 1393162.0/18

Left In: 186.234+/-0.046 χ^2/NDF : 713007.1/10

206.414+/-0.039 χ^2/NDF : 1757287.1/28

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: 893.805 ± 75.670 χ^2/NDF : 1121.7/11

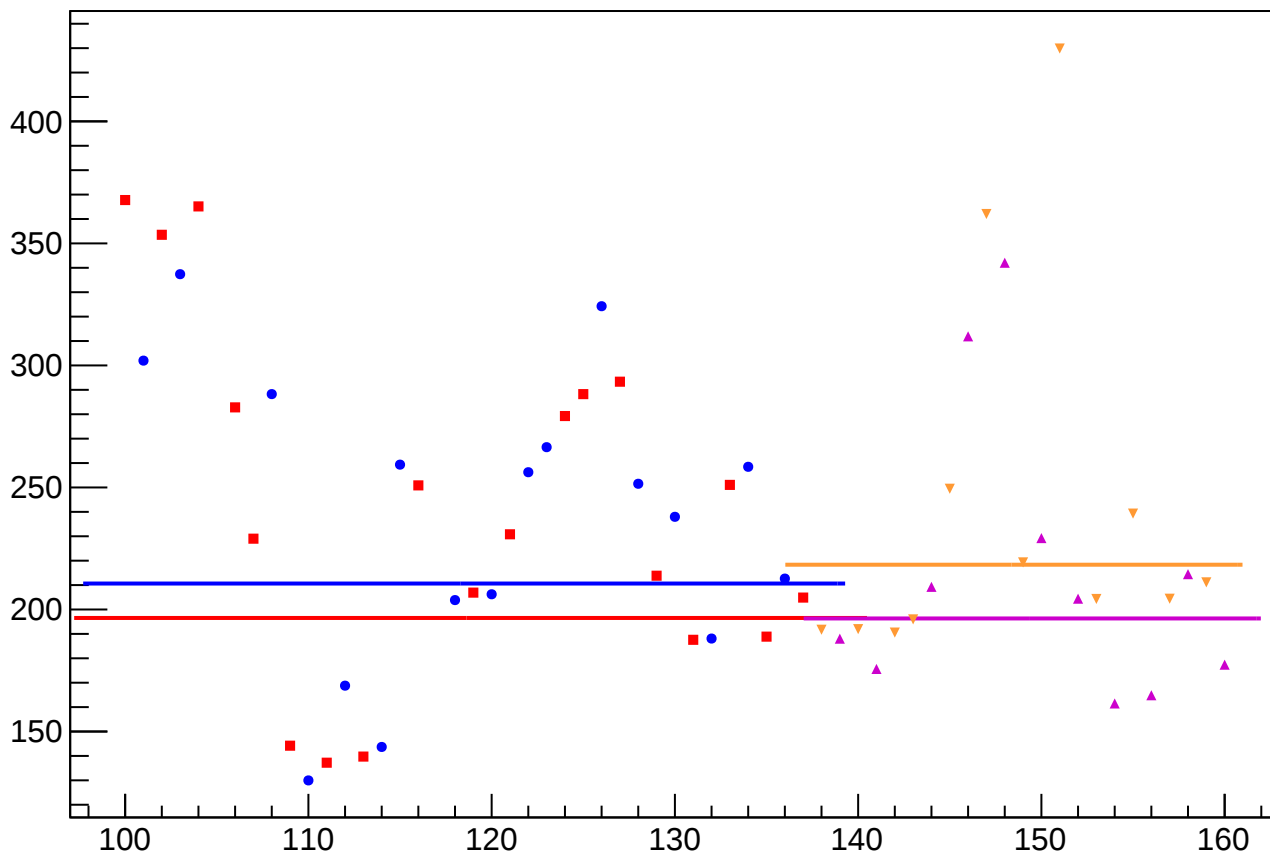
Right Out: 937.678 ± 78.434 χ^2/NDF : 521.9/18

Left In: -224.652 ± 68.758 χ^2/NDF : 752.2/10

385.547 ± 56.646 χ^2/NDF : 1593.1/28

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: 218.346+/-0.054 χ^2/NDF : 756594.0/11

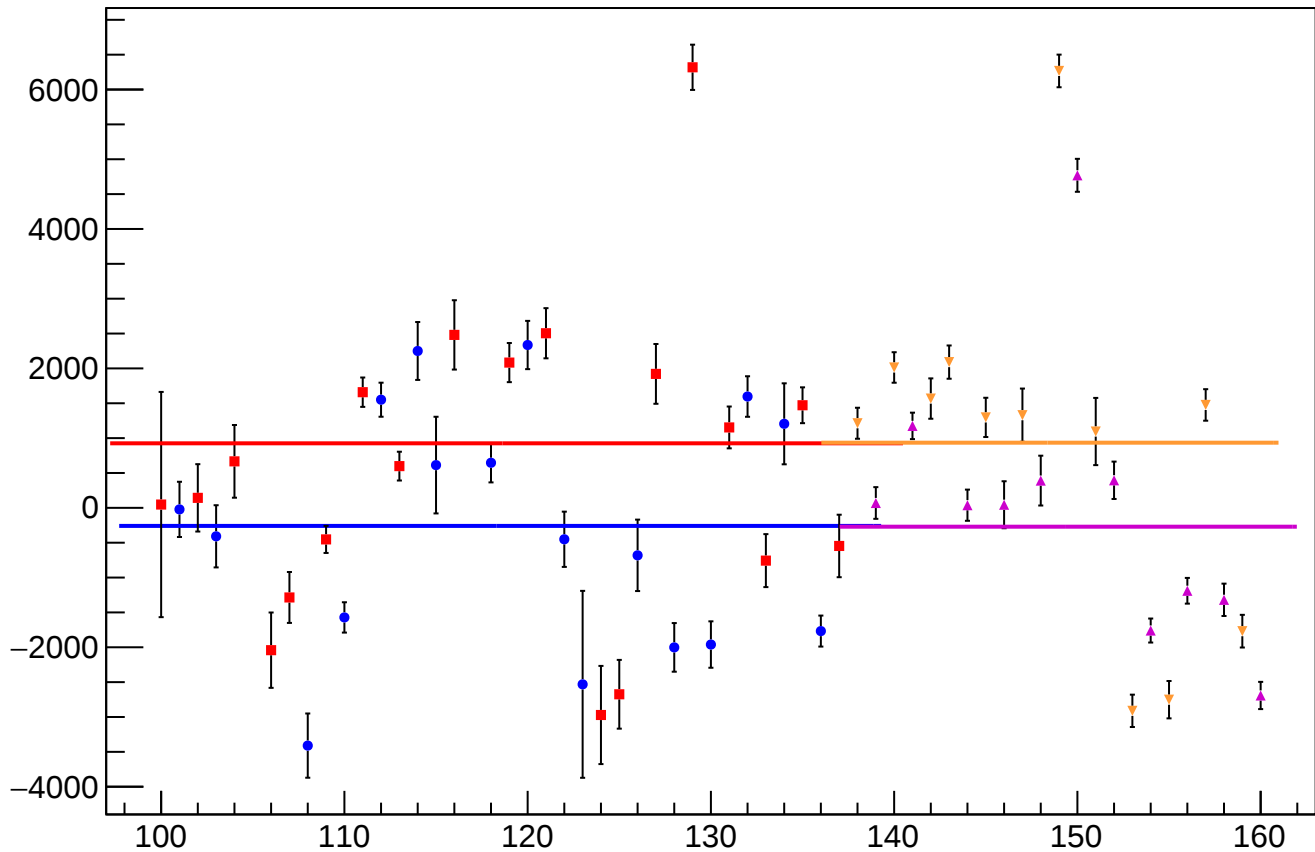
Right Out: 196.528+/-0.055 χ^2/NDF : 1205091.0/18

Left In: 196.325+/-0.049 χ^2/NDF : 740484.2/10

214.956+/-0.040 χ^2/NDF : 1641497.9/28

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: 934.584 ± 73.934 $\chi^2/\text{NDF}: 1179.2/11$

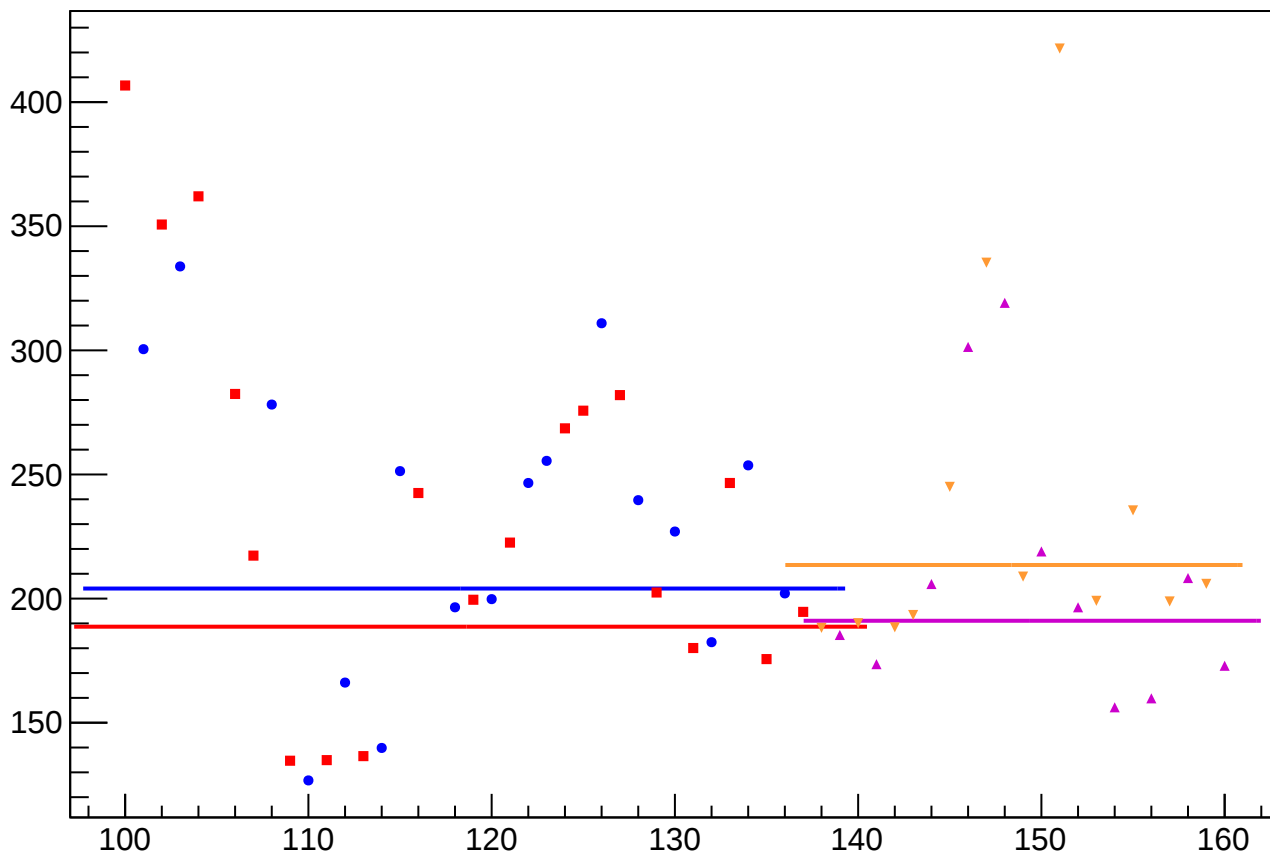
Right Out: 925.534 ± 75.503 $\chi^2/\text{NDF}: 581.9/18$

Left In: -270.400 ± 66.890 $\chi^2/\text{NDF}: 801.0/10$

405.047 ± 55.149 $\chi^2/\text{NDF}: 1686.1/28$

255.491 ± 50.068 $\chi^2/\text{NDF}: 1523.4/29$

asym_bpm0l06WS_rms vs Slug



Right In: 204.051+/-0.059 χ^2/NDF : 868423.0/16

Left Out: 213.534+/-0.052 χ^2/NDF : 712000.0/11

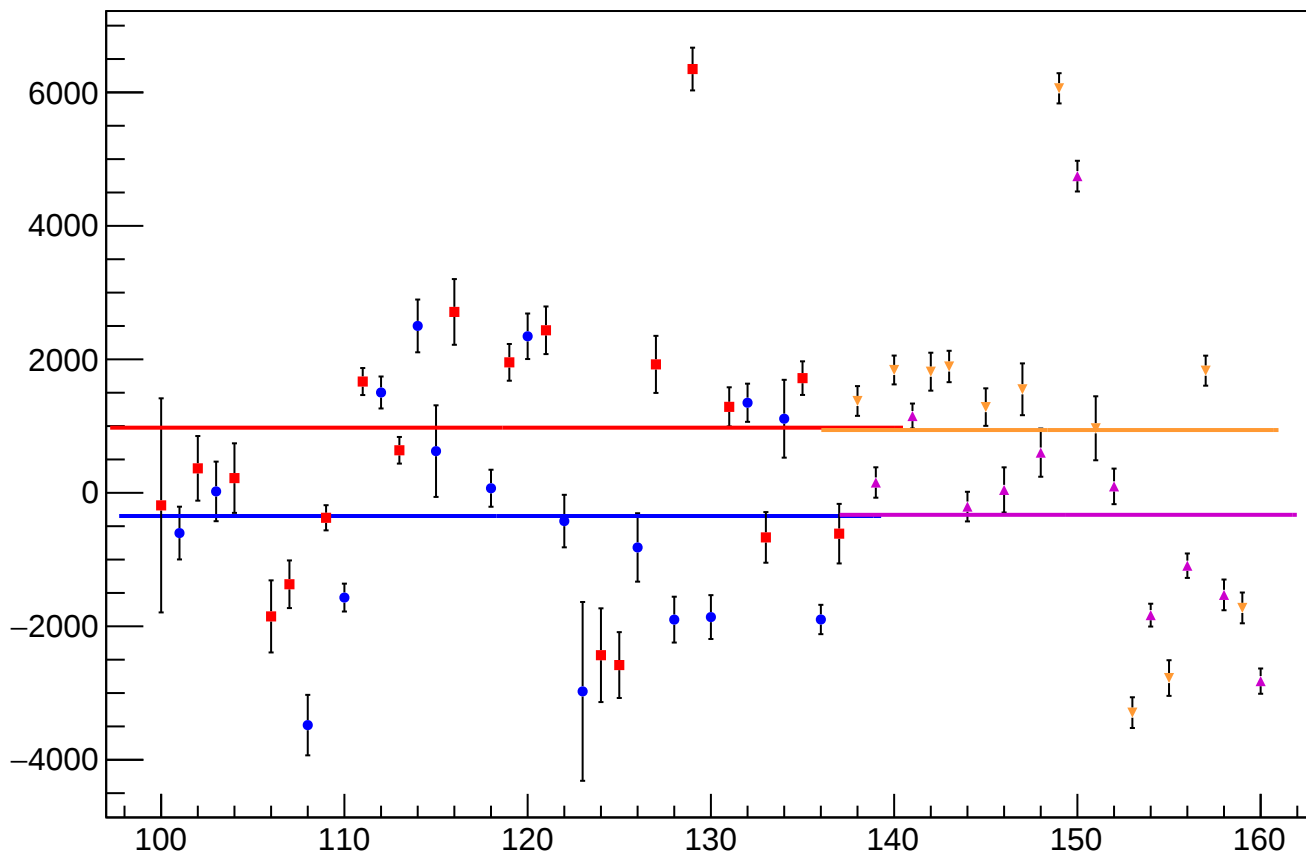
Right Out: 188.681+/-0.053 χ^2/NDF : 1251107.4/18

Left In: 191.067+/-0.047 χ^2/NDF : 694714.1/10

209.327+/-0.039 χ^2/NDF : 1595018.4/28

190.018+/-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: 940.900 ± 73.212 χ^2/NDF : 1242.6/11

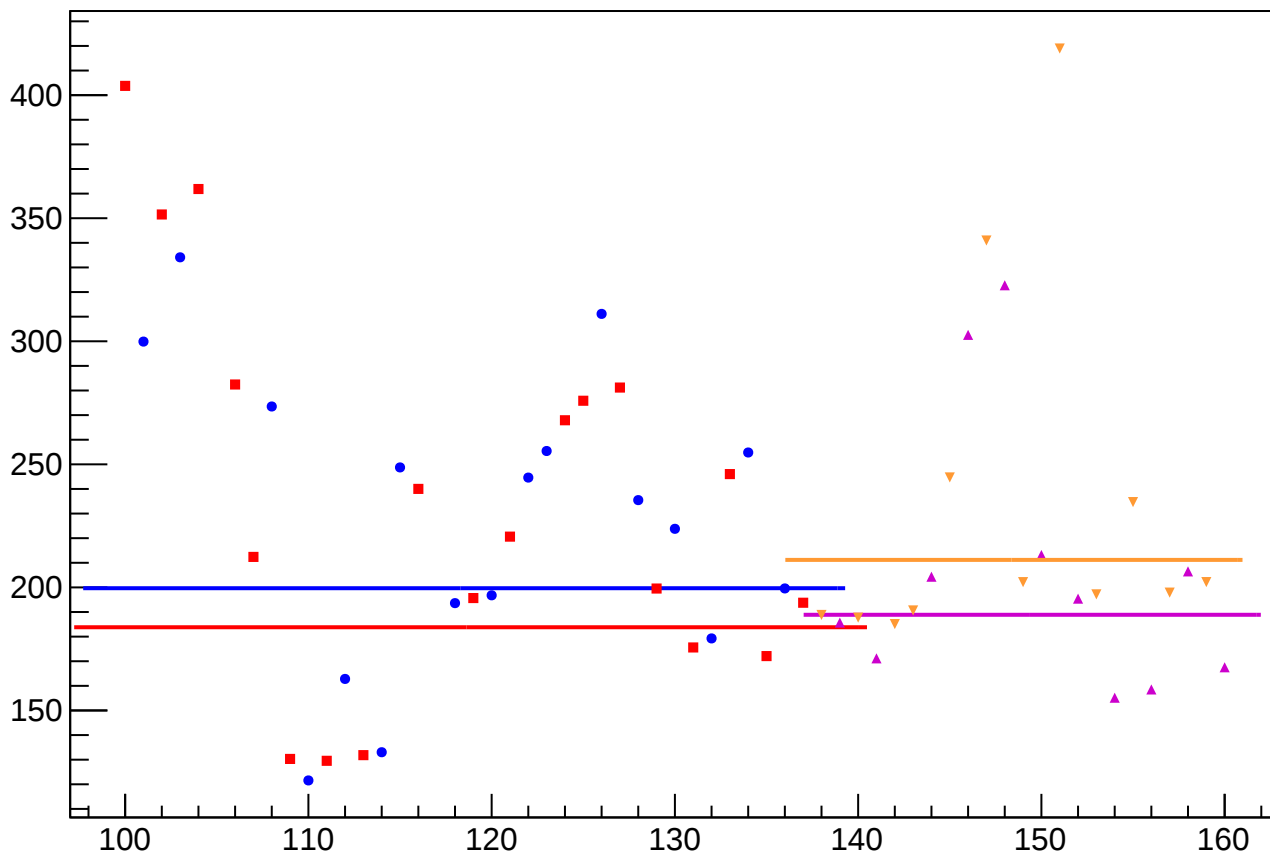
Right Out: 976.286 ± 73.889 χ^2/NDF : 585.7/18

Left In: -329.496 ± 66.190 χ^2/NDF : 859.1/10

364.214 ± 54.409 χ^2/NDF : 1780.3/28

251.843 ± 49.301 χ^2/NDF : 1618.1/29

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 $\pm$ 0.058 χ^2 /NDF: 943155.1/16

Left Out: 211.175 $\pm$ 0.052 χ^2 /NDF: 739572.9/11

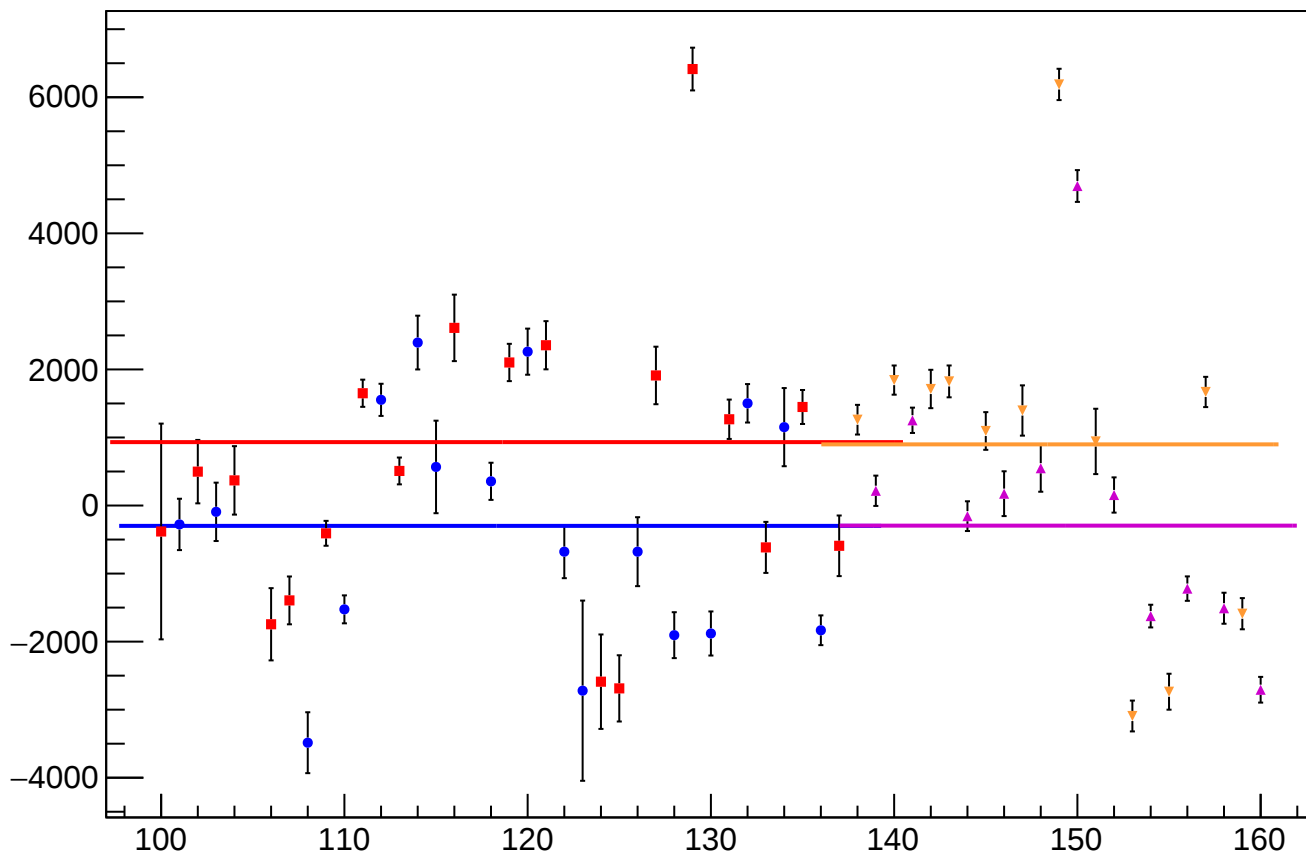
206.024 $\pm$ 0.038 χ^2 /NDF: 1704844.3/28

Right Out: 183.808 $\pm$ 0.052 χ^2 /NDF: 1349625.1/18

186.618 $\pm$ 0.035 χ^2 /NDF: 2076712.2/29

Left In: 188.873 $\pm$ 0.047 χ^2 /NDF: 721874.6/10

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 898.794 ± 72.484 χ^2/NDF : 1207.3/11

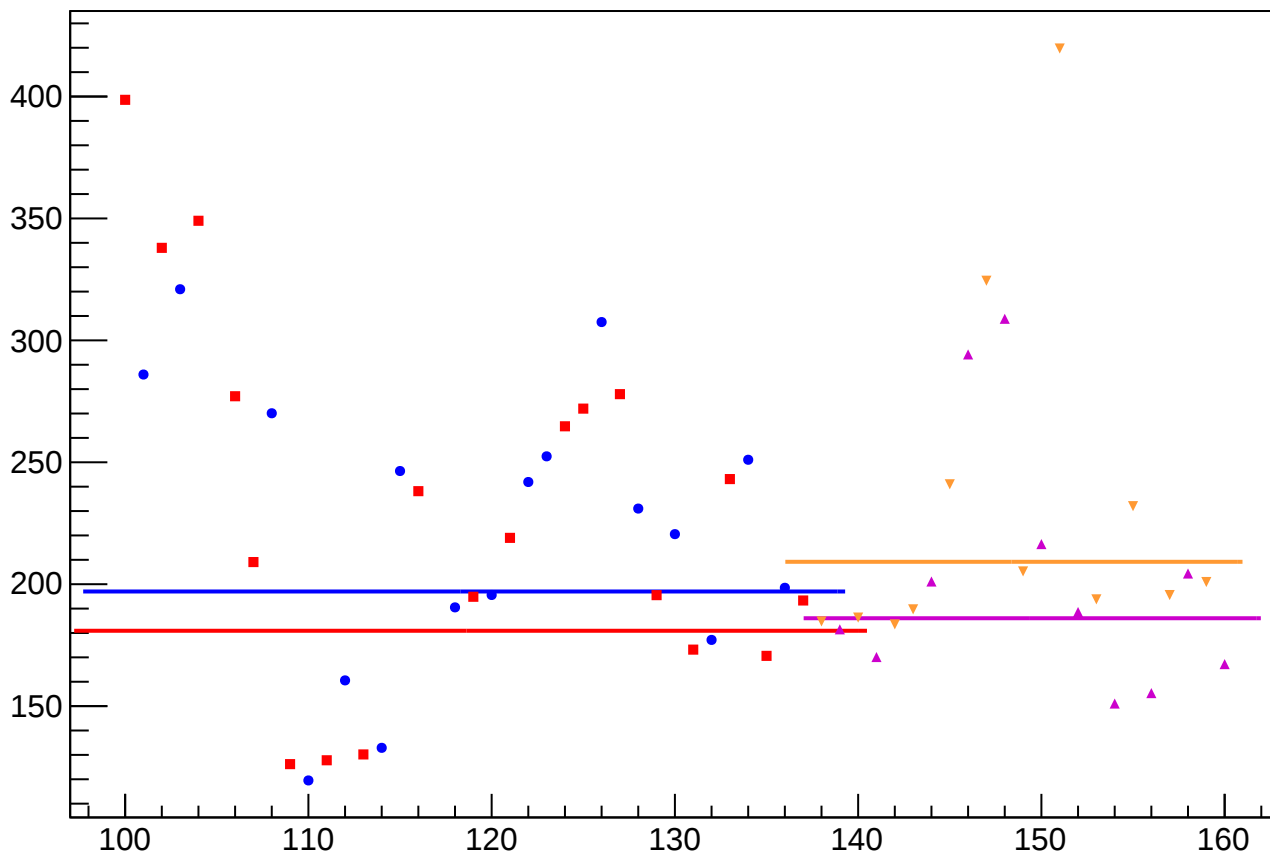
Right Out: 931.843 ± 72.751 χ^2/NDF : 614.8/18

Left In: -295.534 ± 65.221 χ^2/NDF : 823.8/10

360.008 ± 53.764 χ^2/NDF : 1736.7/28

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: 209.189+/-0.051 χ^2/NDF : 718743.1/11

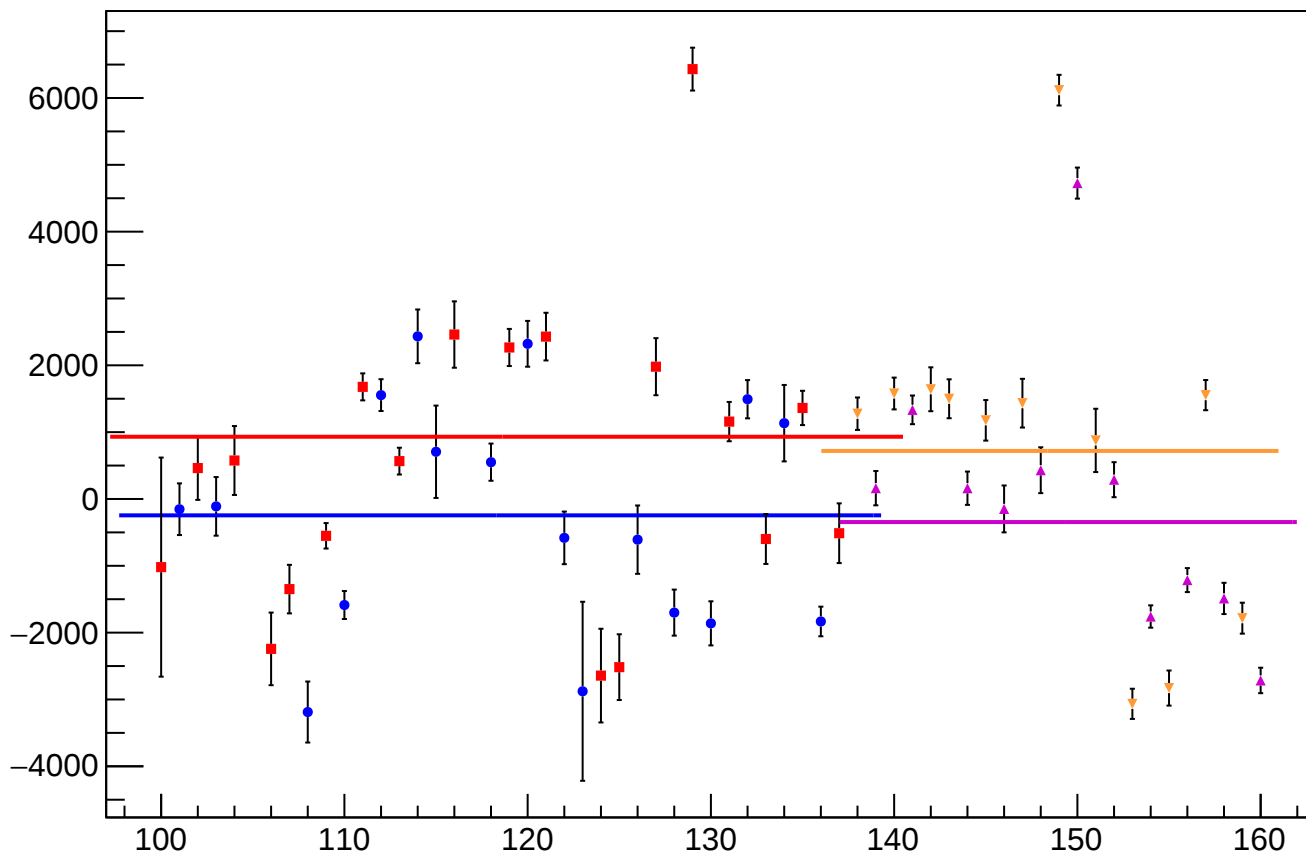
Right Out: 180.906+/-0.051 χ^2/NDF : 1345685.7/18

Left In: 186.042+/-0.046 χ^2/NDF : 706770.7/10

203.712+/-0.038 χ^2/NDF : 1656053.1/28

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: 718.854 ± 76.704 χ^2/NDF : 1187.6/11

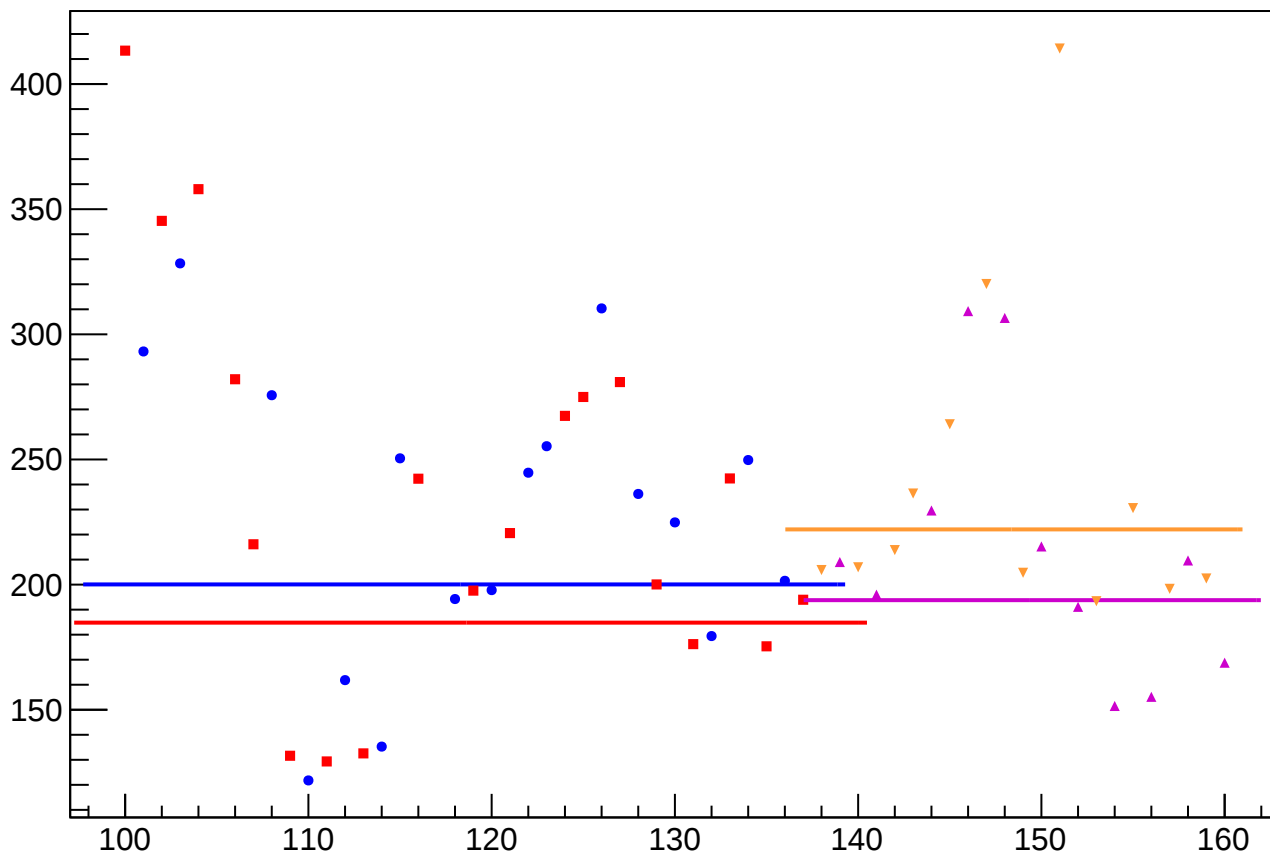
Right Out: 931.272 ± 74.206 χ^2/NDF : 609.7/18

Left In: -345.357 ± 68.131 χ^2/NDF : 830.4/10

265.533 ± 55.823 χ^2/NDF : 1653.3/28

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: 222.061+/-0.054 χ^2/NDF : 617630.4/11

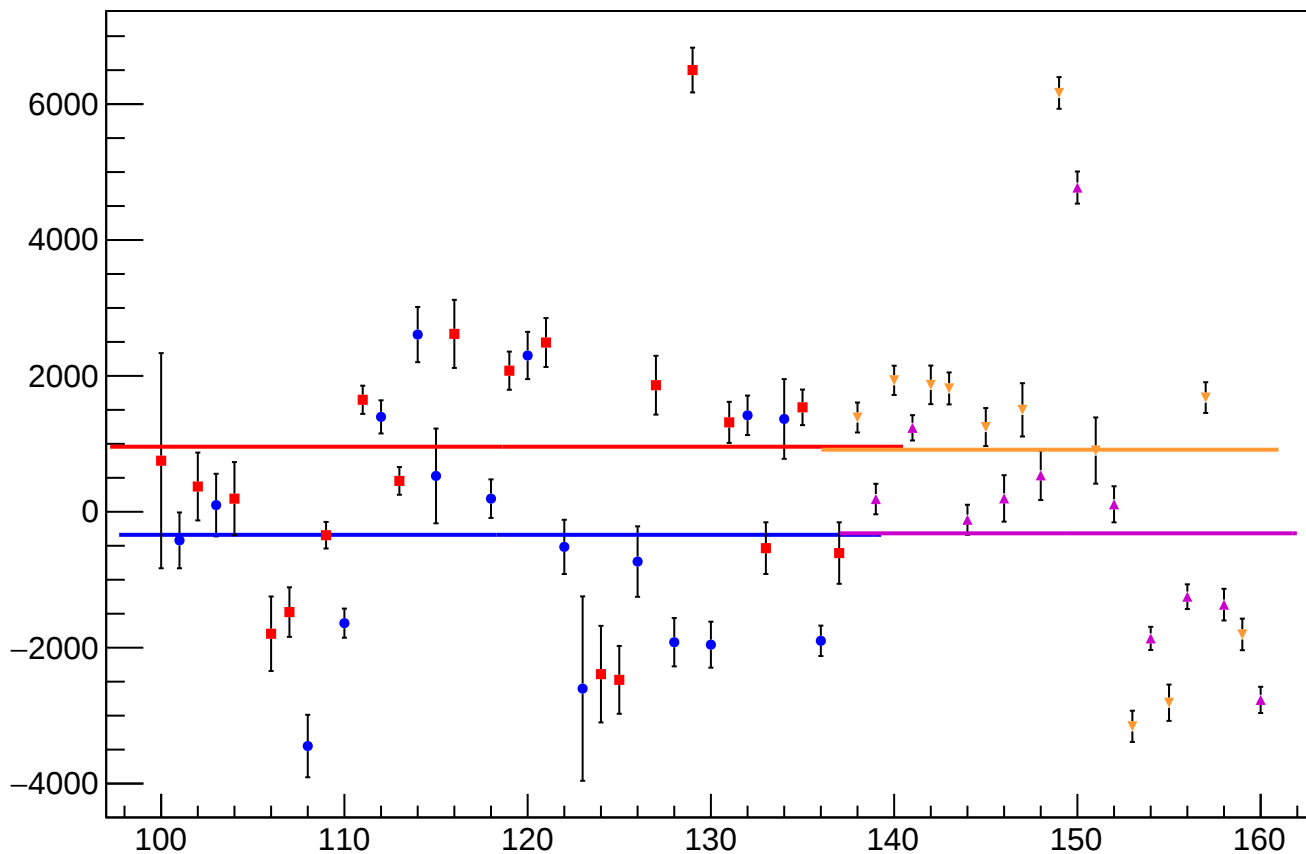
Right Out: 184.807+/-0.052 χ^2/NDF : 1318267.6/18

Left In: 193.791+/-0.048 χ^2/NDF : 762973.5/10

211.721+/-0.039 χ^2/NDF : 1613206.3/28

189.682+/-0.035 χ^2/NDF : 2097145.4/29

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 χ^2/NDF : 389.5/16

Left Out: 913.828 ± 73.388 χ^2/NDF : 1219.7/11

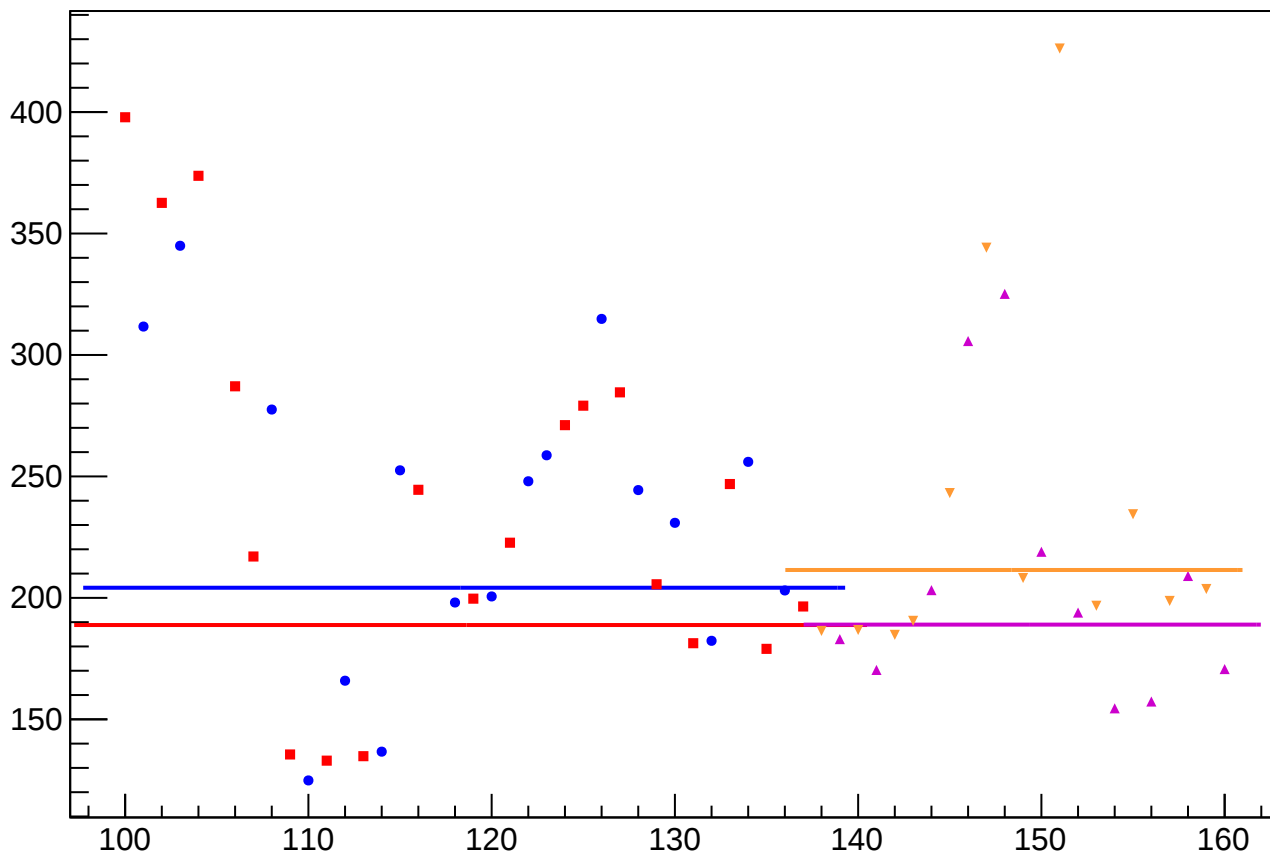
Right Out: 957.615 ± 75.749 χ^2/NDF : 570.3/18

Left In: -316.926 ± 66.319 χ^2/NDF : 839.8/10

365.053 ± 55.014 χ^2/NDF : 1736.8/28

236.120 ± 49.898 χ^2/NDF : 1570.4/29

asym_bpm0l10WS_rms vs Slug



Right In: 204.175+/-0.059 χ^2/NDF : 947438.5/16

Left Out: 211.482+/-0.052 χ^2/NDF : 761081.5/11

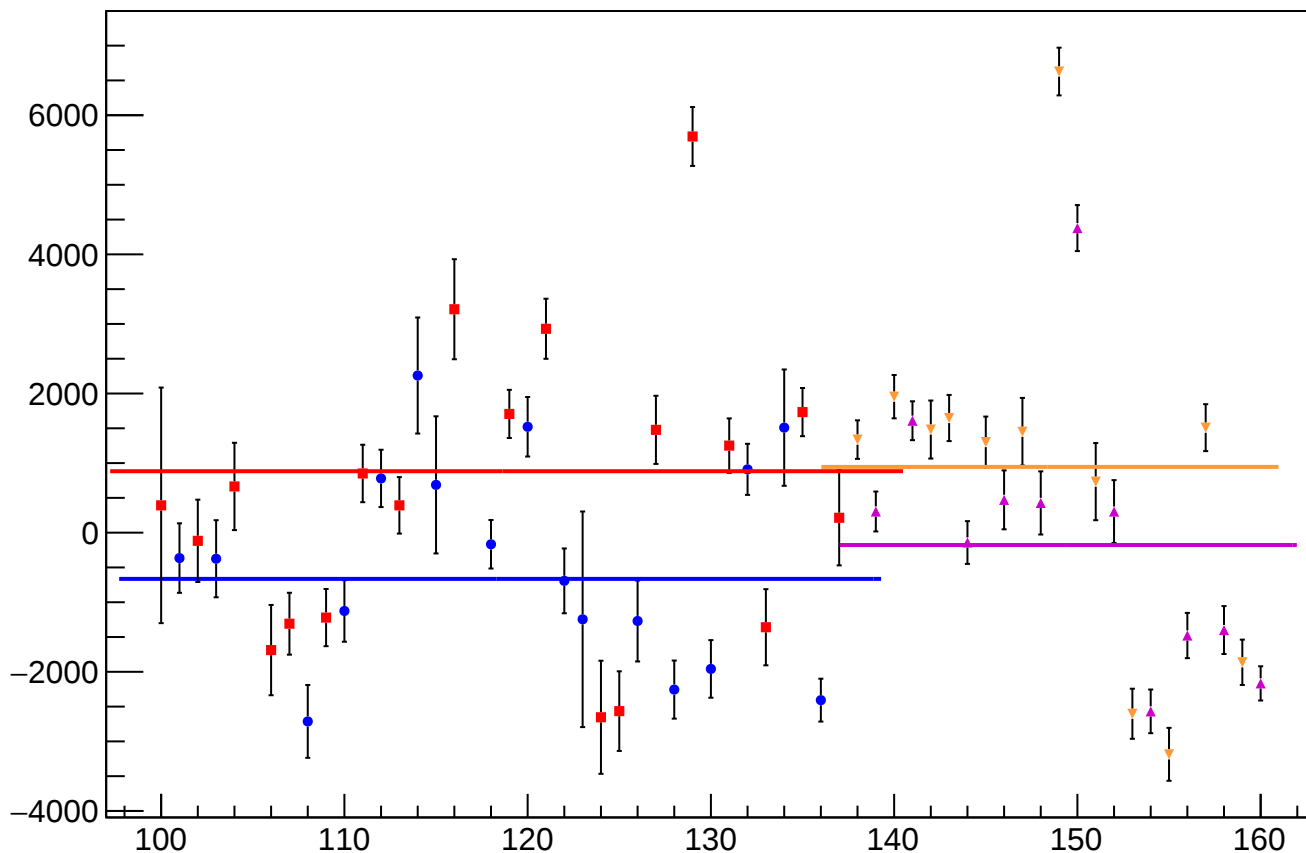
Right Out: 188.821+/-0.054 χ^2/NDF : 1314891.2/18

Left In: 188.991+/-0.047 χ^2/NDF : 750827.4/10

208.281+/-0.039 χ^2/NDF : 1717204.8/28

188.917+/-0.035 χ^2/NDF : 2065724.3/29

asym_bpm0r03WS_mean vs Slug



Right In: -664.383 ± 113.949 $\chi^2/\text{NDF}: 154.3/16$

Left Out: 945.141 ± 102.894 $\chi^2/\text{NDF}: 587.7/11$

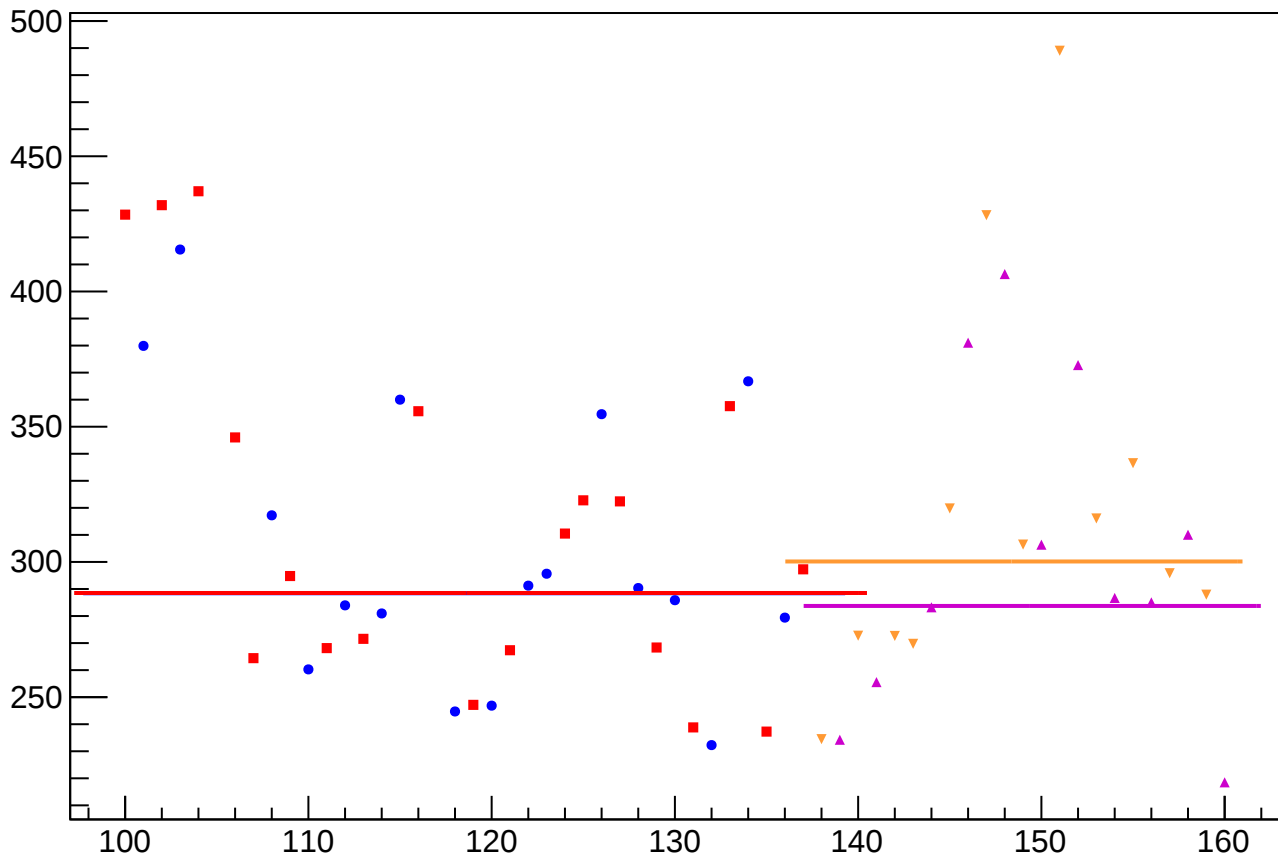
Right Out: 883.255 ± 110.875 $\chi^2/\text{NDF}: 320.1/18$

Left In: -177.628 ± 97.751 $\chi^2/\text{NDF}: 391.1/10$

222.215 ± 76.367 $\chi^2/\text{NDF}: 851.9/28$

286.342 ± 73.324 $\chi^2/\text{NDF}: 762.7/29$

asym_bpm0r03WS_rms vs Slug



Right In: 288.428+/-0.081 χ^2/NDF : 339820.0/16

Left Out: 300.172+/-0.073 χ^2/NDF : 555851.6/11

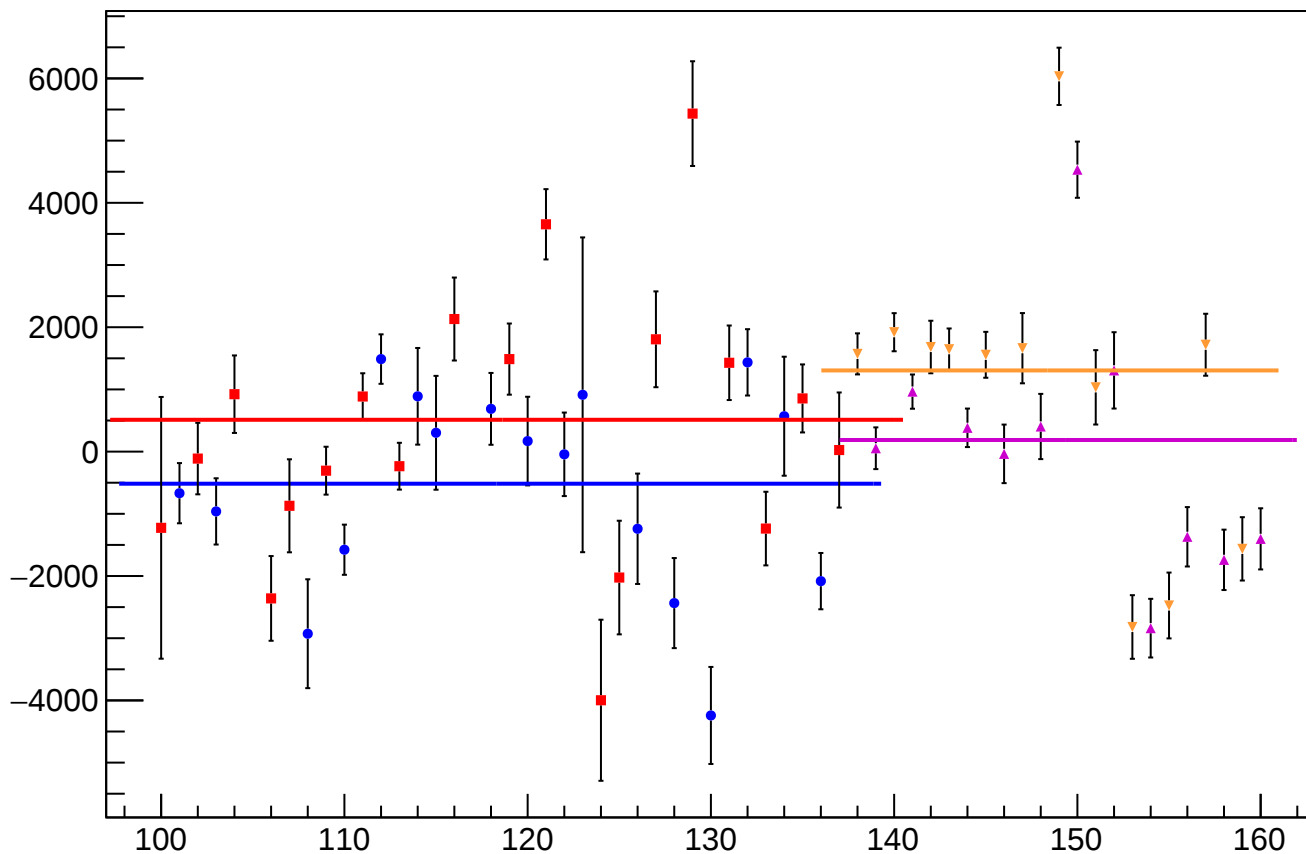
Right Out: 288.522+/-0.078 χ^2/NDF : 455410.1/18

Left In: 283.732+/-0.069 χ^2/NDF : 571589.0/10

294.897+/-0.054 χ^2/NDF : 907374.2/28

285.827+/-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: 1305.122 ± 121.538 $\chi^2/\text{NDF}: 261.4/11$

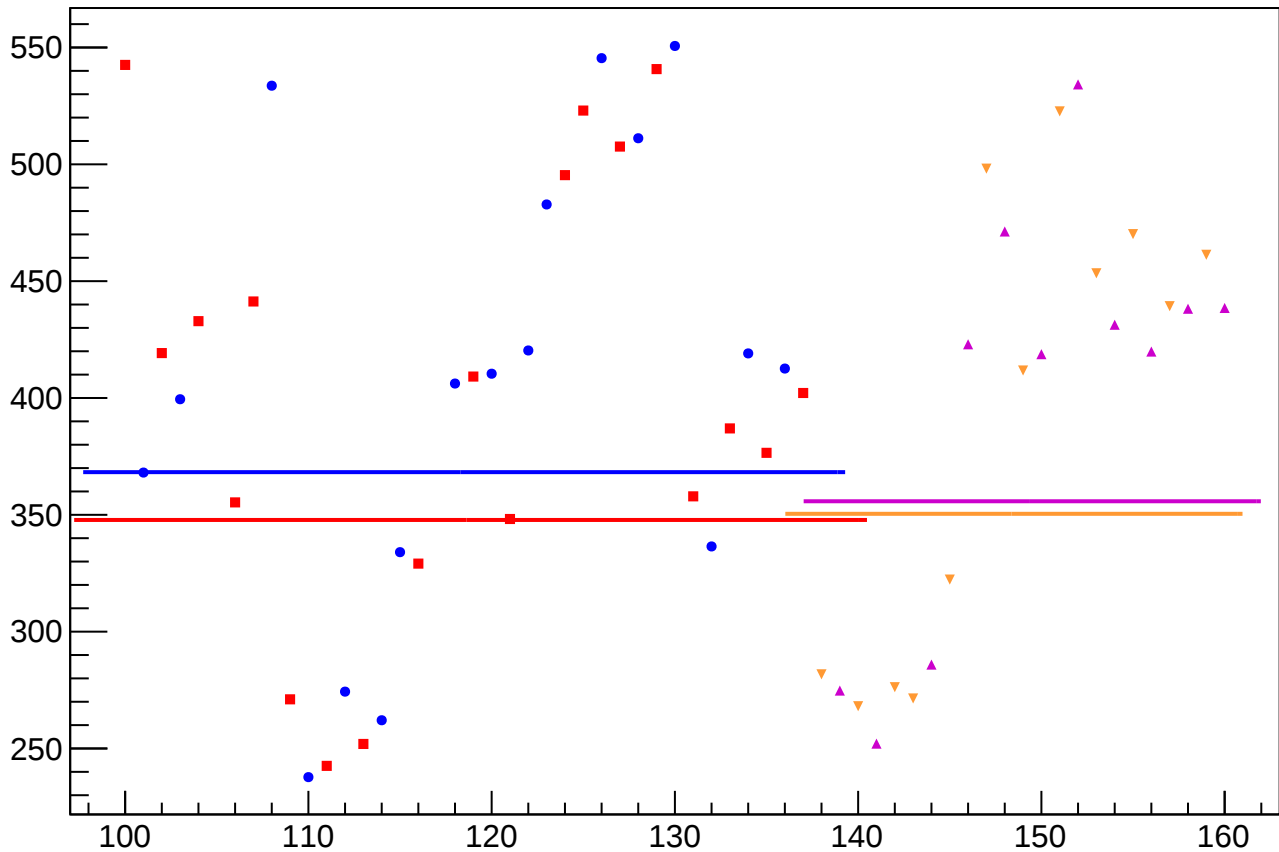
Right Out: 511.851 ± 135.798 $\chi^2/\text{NDF}: 141.3/18$

Left In: 186.983 ± 123.569 $\chi^2/\text{NDF}: 182.8/10$

567.688 ± 93.753 $\chi^2/\text{NDF}: 460.3/28$

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: 350.433 ± 0.086 χ^2/NDF : 1096881.1/11

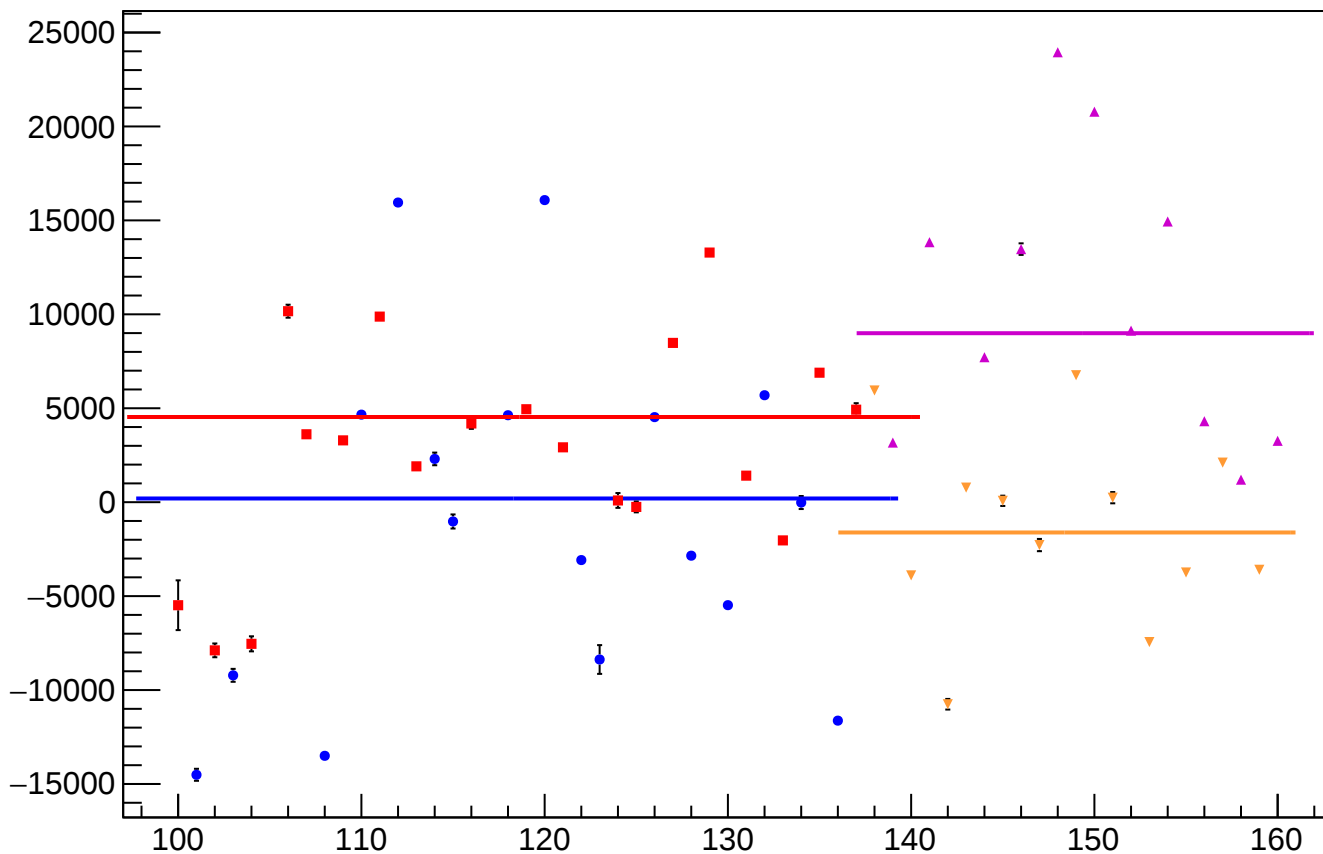
Right Out: 347.802 ± 0.096 χ^2/NDF : 821862.5/18

Left In: 355.801 ± 0.087 χ^2/NDF : 1049918.2/10

357.654 ± 0.066 χ^2/NDF : 1884431.0/28

352.178 ± 0.065 χ^2/NDF : 1875576.9/29

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 $\pm$ 54.799 χ^2/NDF : 30658.3/16

Left Out: -1612.428 $\pm$ 57.835 χ^2/NDF : 6661.1/11

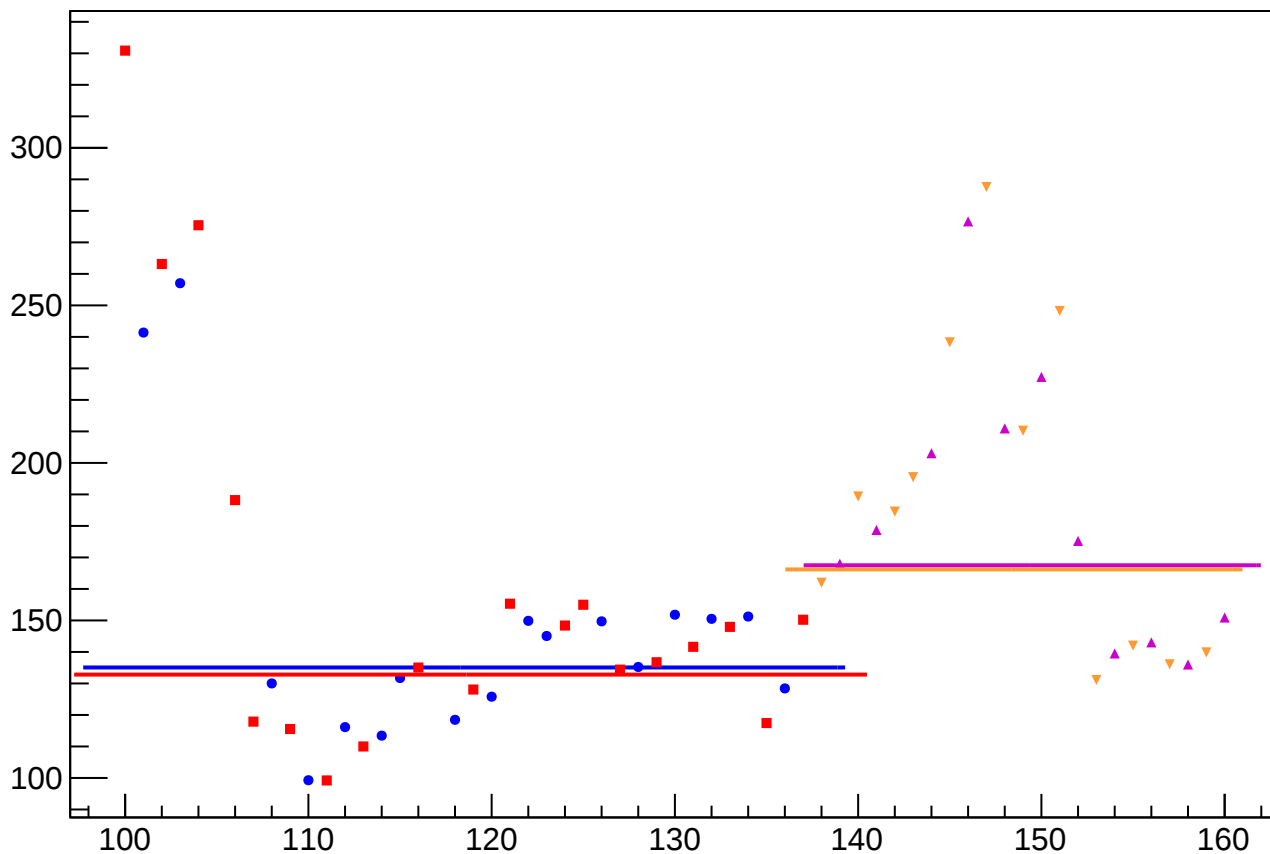
Right Out: 4534.200 $\pm$ 52.462 χ^2/NDF : 7477.2/18

Left In: 8994.802 $\pm$ 58.594 χ^2/NDF : 13833.4/10

-658.967 $\pm$ 39.779 χ^2/NDF : 37835.2/28

6518.943 $\pm$ 39.085 χ^2/NDF : 24527.4/29

asym_bpm0i02WS_rms vs Slug



Right In: 135.072+/-0.039 χ^2/NDF : 658703.5/16

Left Out: 166.201+/-0.041 χ^2/NDF : 988562.4/11

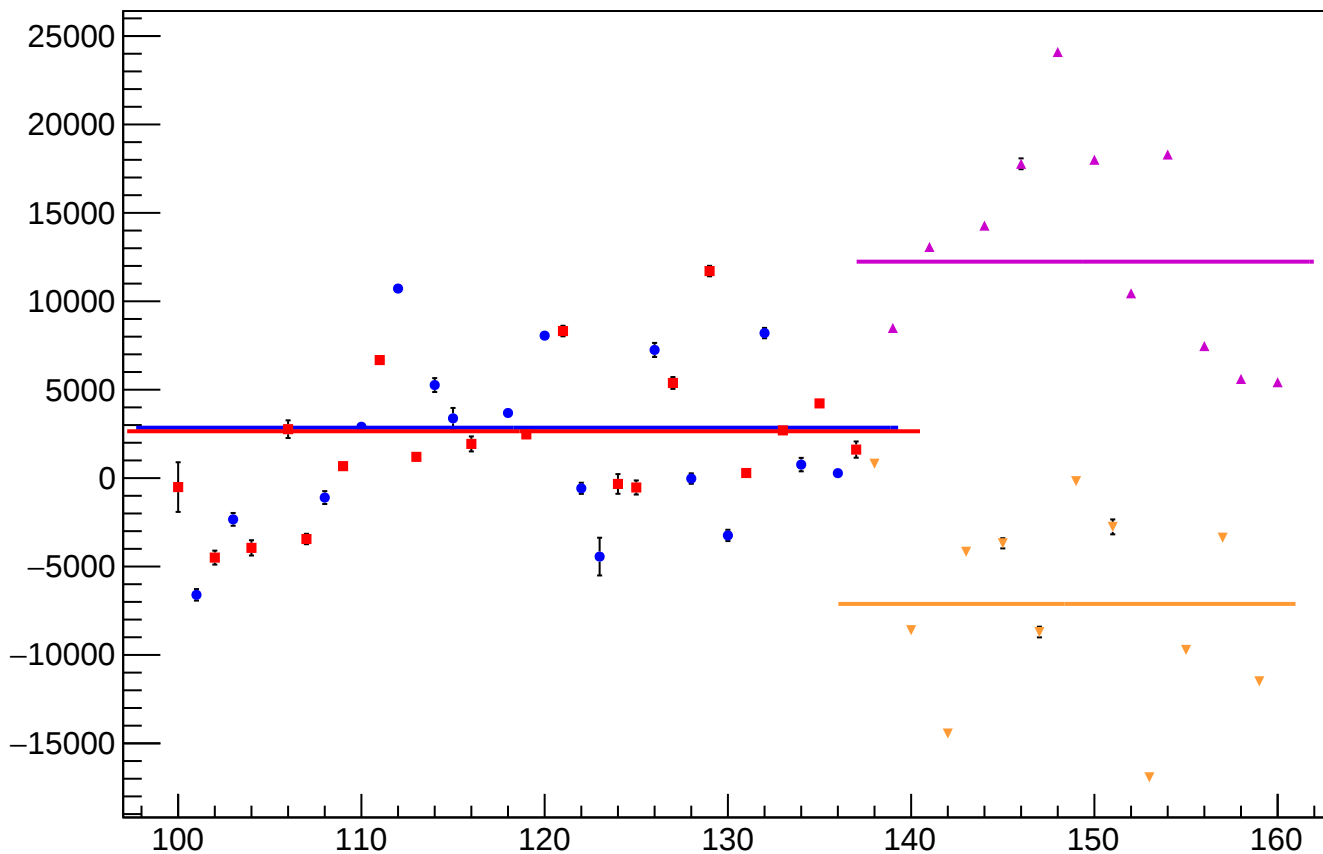
Right Out: 132.816+/-0.037 χ^2/NDF : 831191.5/18

Left In: 167.504+/-0.041 χ^2/NDF : 712852.1/10

149.798+/-0.028 χ^2/NDF : 1952583.7/28

148.251+/-0.028 χ^2/NDF : 1933098.8/29

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437 $\pm$ 70.753 χ^2 /NDF: 4178.1/16

Left Out: -7114.118 $\pm$ 67.305 χ^2 /NDF:7130.1/11

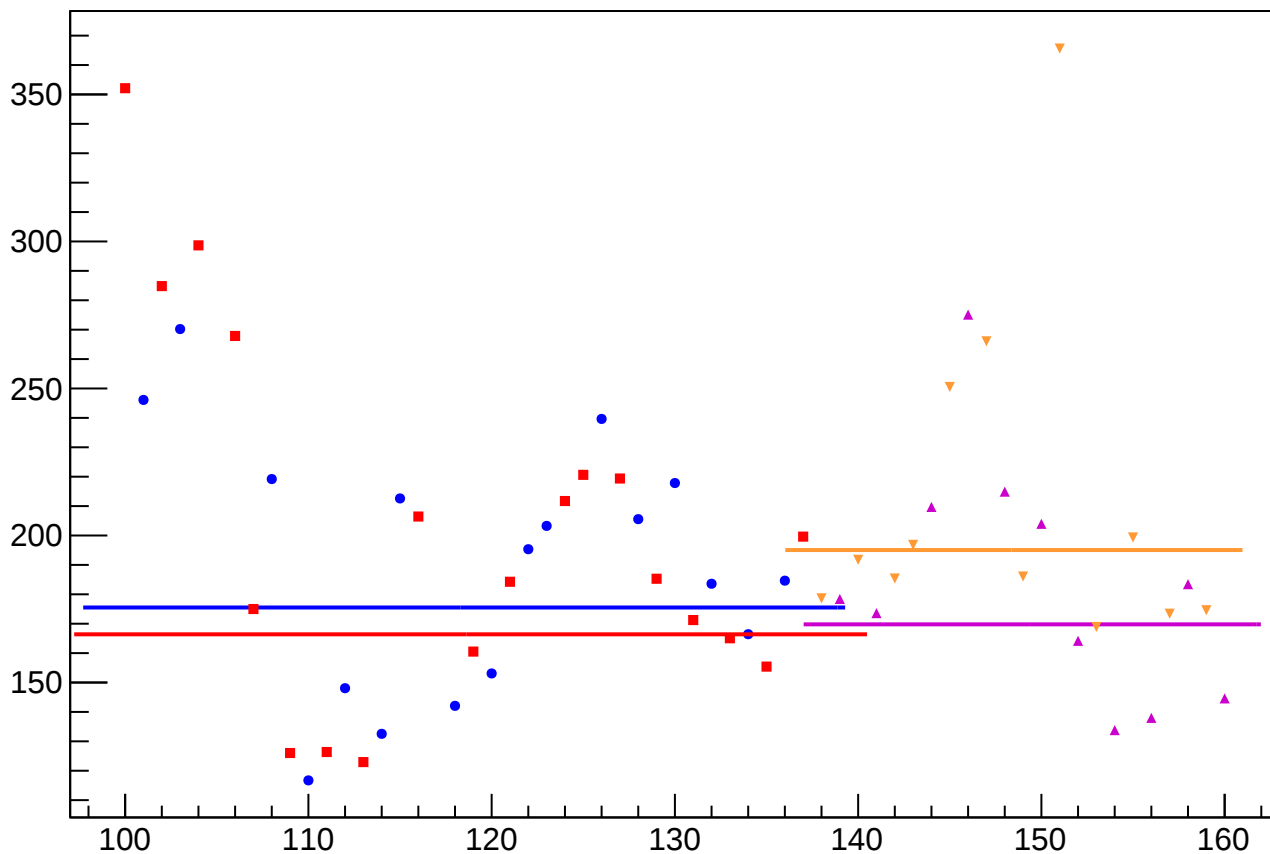
Right Out: 2649.142 $\pm$ 65.731 χ^2 /NDF: 3175.7/18

Left In: 12240.836 $\pm$ 59.495 χ^2 /NDF:9211.5/10

-2380.128 $\pm$ 48.765 χ^2 /NDF: 21722.8/28

7921.425 $\pm$ 44.110 χ^2 /NDF: 24091.8/29

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 195.058 $\pm$ 0.048 χ^2 /NDF: 611146.0/11

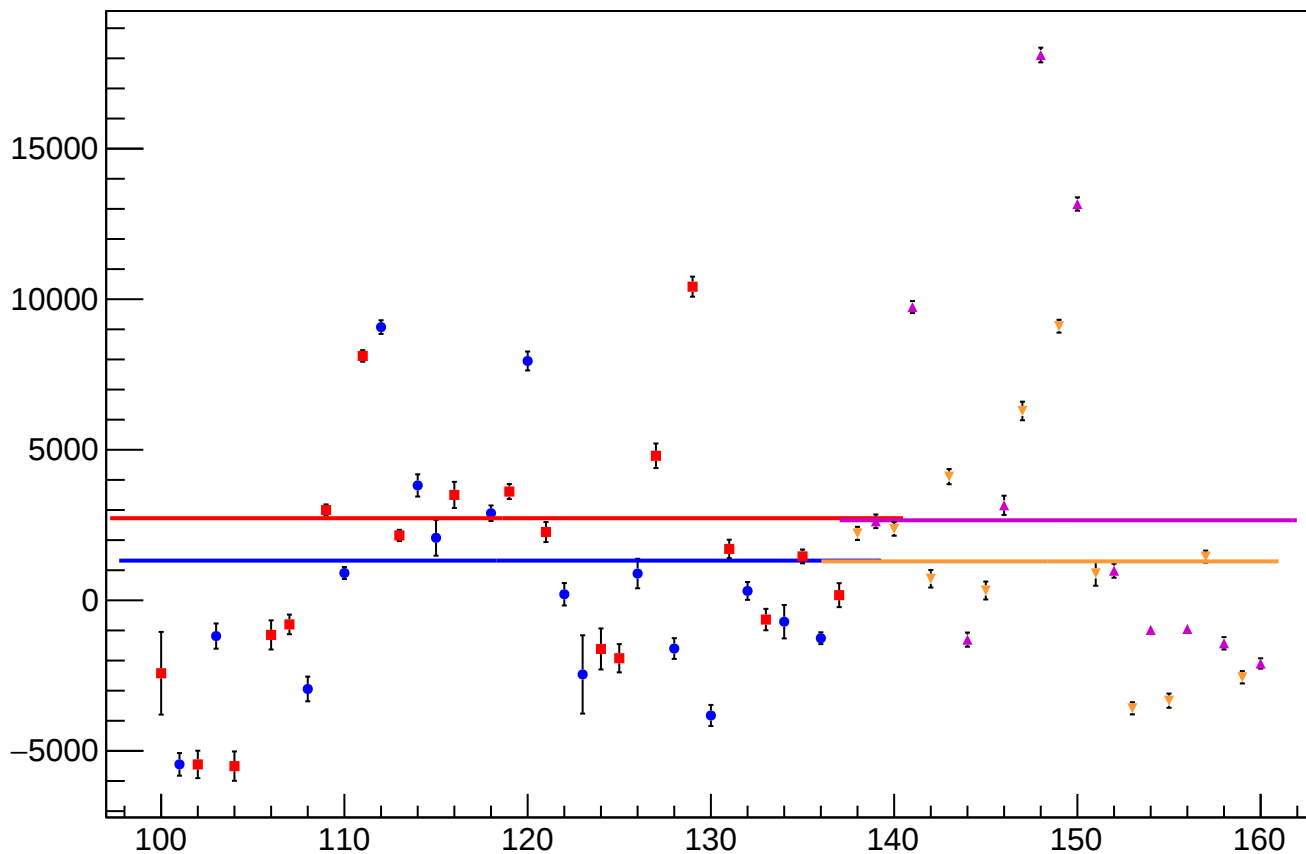
Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

Left In: 169.783 $\pm$ 0.042 χ^2 /NDF: 674315.8/10

185.774 $\pm$ 0.034 χ^2 /NDF: 1380896.5/28

168.256 $\pm$ 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: 1293.586+/-69.265 χ^2/NDF : 3098.9/11

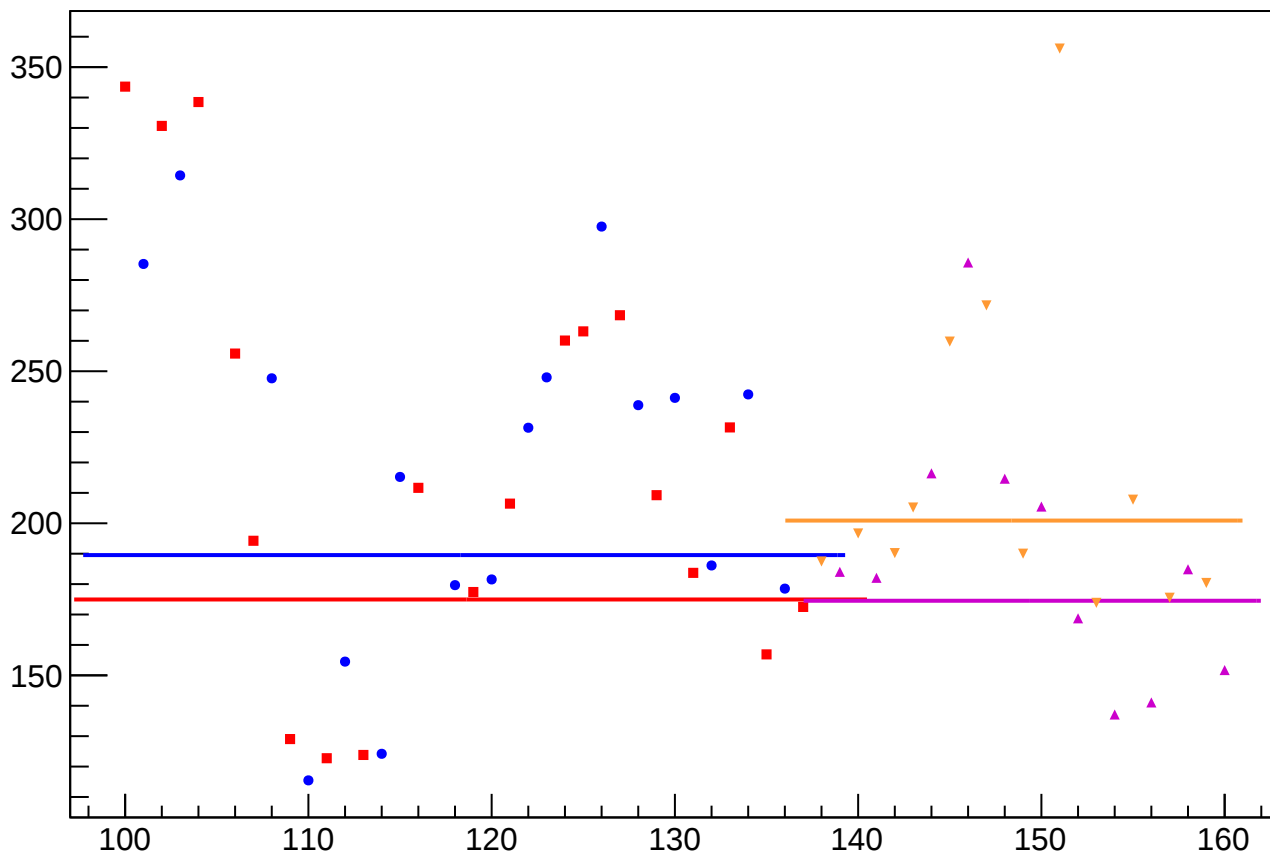
Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

Left In: 2658.609+/-61.171 χ^2/NDF : 10088.1/10

1304.933+/-51.539 χ^2/NDF : 5766.0/28

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: 200.895+/-0.049 χ^2/NDF : 572892.4/11

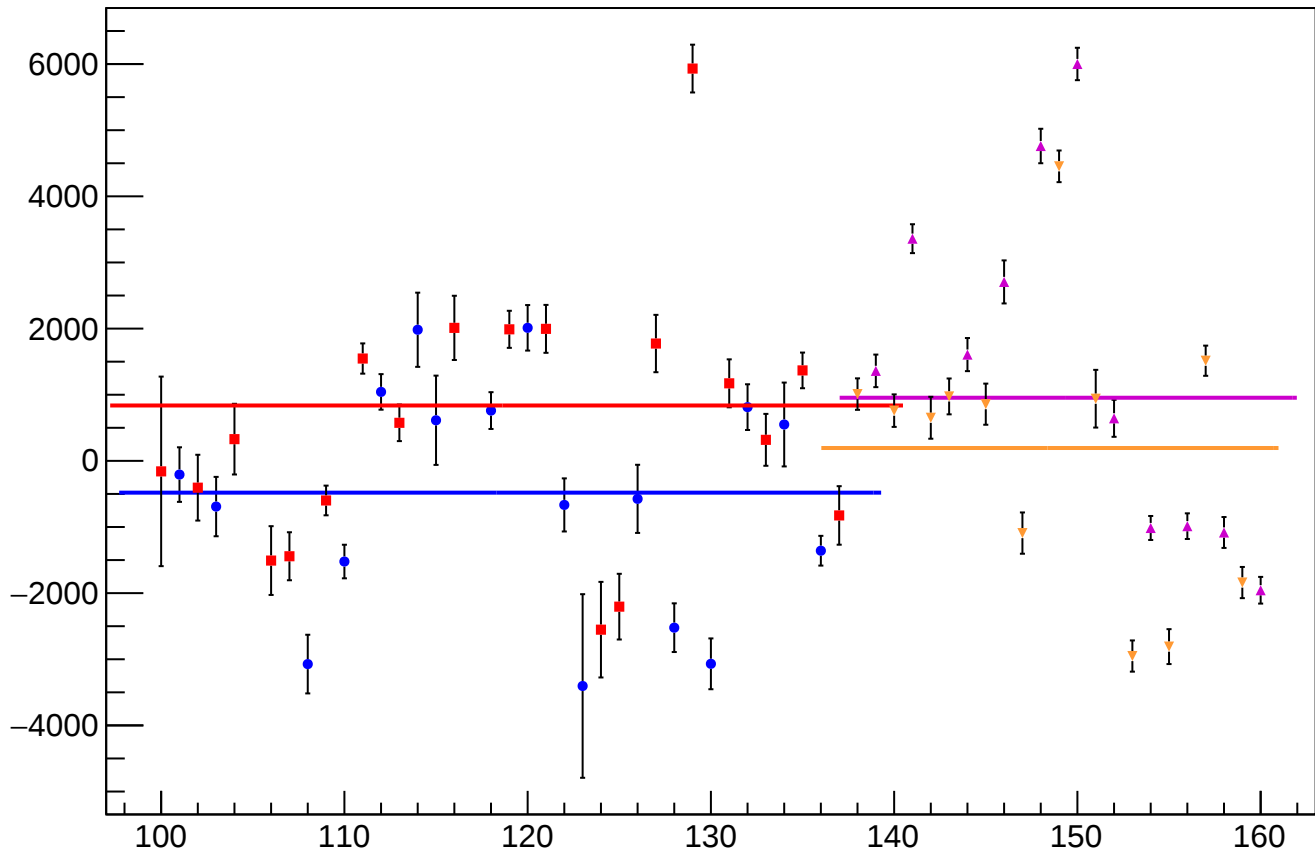
Right Out: 174.944+/-0.050 χ^2/NDF : 1297106.6/18

Left In: 174.526+/-0.043 χ^2/NDF : 653551.1/10

195.829+/-0.036 χ^2/NDF : 1577607.1/28

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: 194.529 ± 76.567 χ^2/NDF : 783.6/11

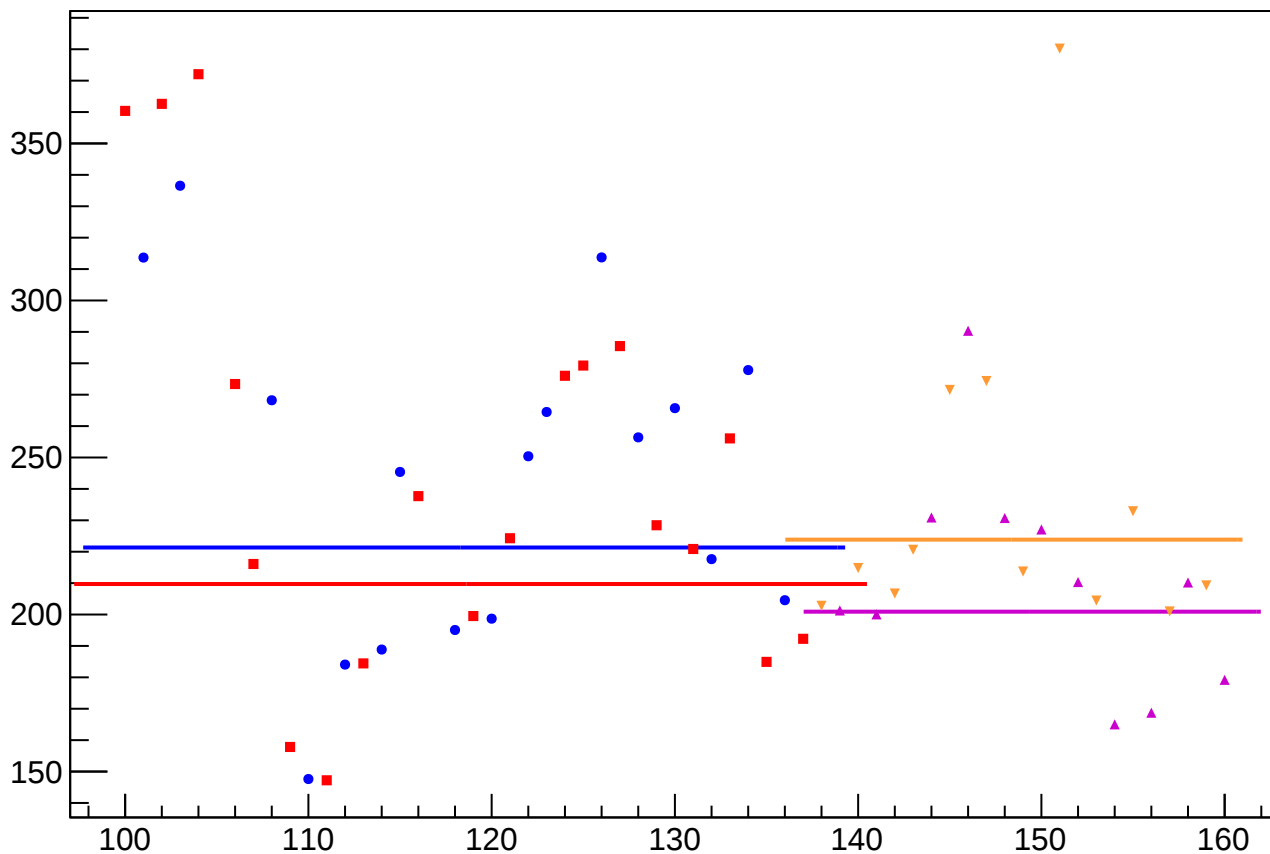
Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

Left In: 954.509 ± 69.527 χ^2/NDF : 1300.9/10

-93.950 ± 57.943 χ^2/NDF : 1107.5/28

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: 223.847 +/- 0.054 χ^2/NDF : 427886.1/11

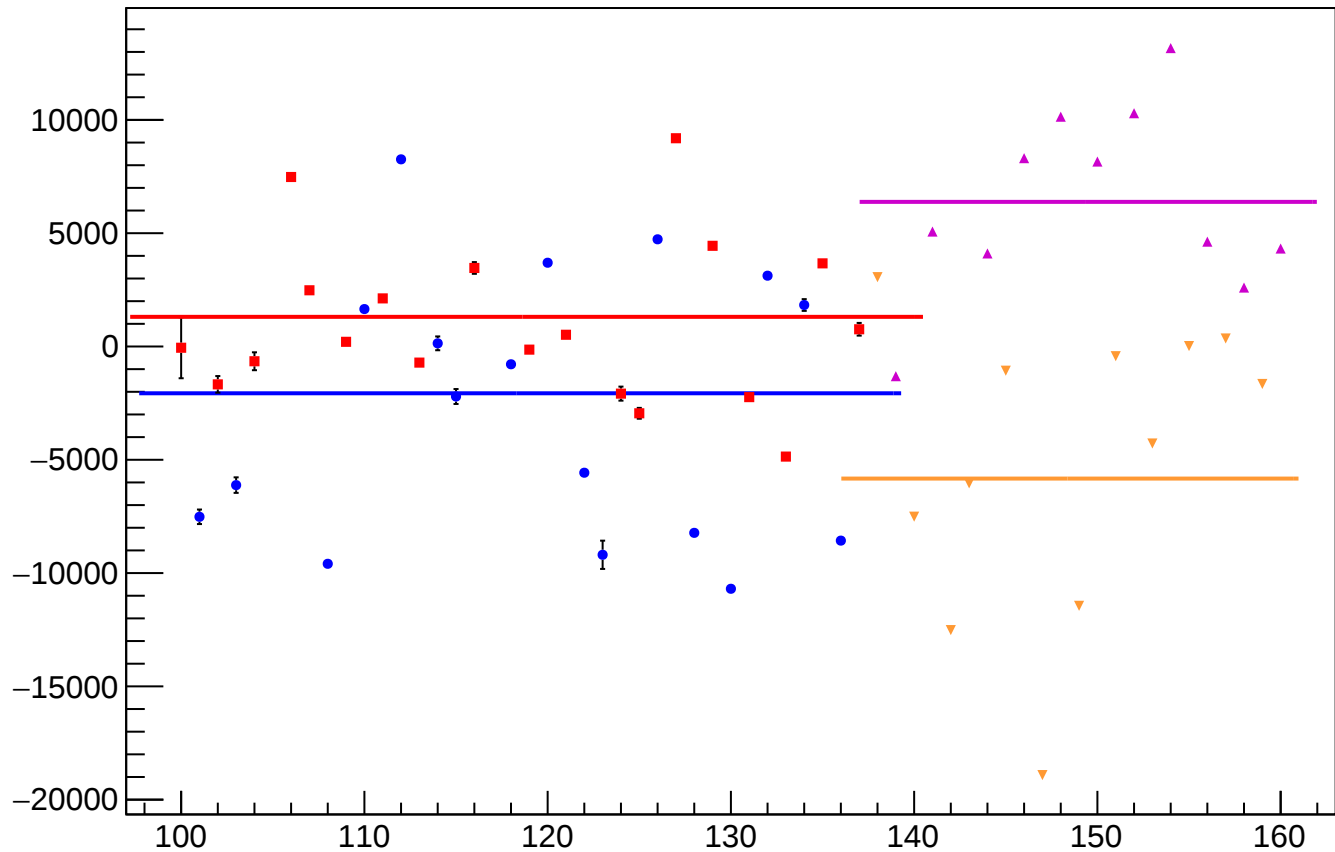
Right Out: 209.717 +/- 0.058 χ^2/NDF : 883917.7/18

Left In: 200.908 +/- 0.049 χ^2/NDF : 390712.8/10

222.777 +/- 0.041 χ^2/NDF : 1074489.0/28

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: -5829.206 ± 40.002 $\chi^2/\text{NDF}: 26936.4/11$

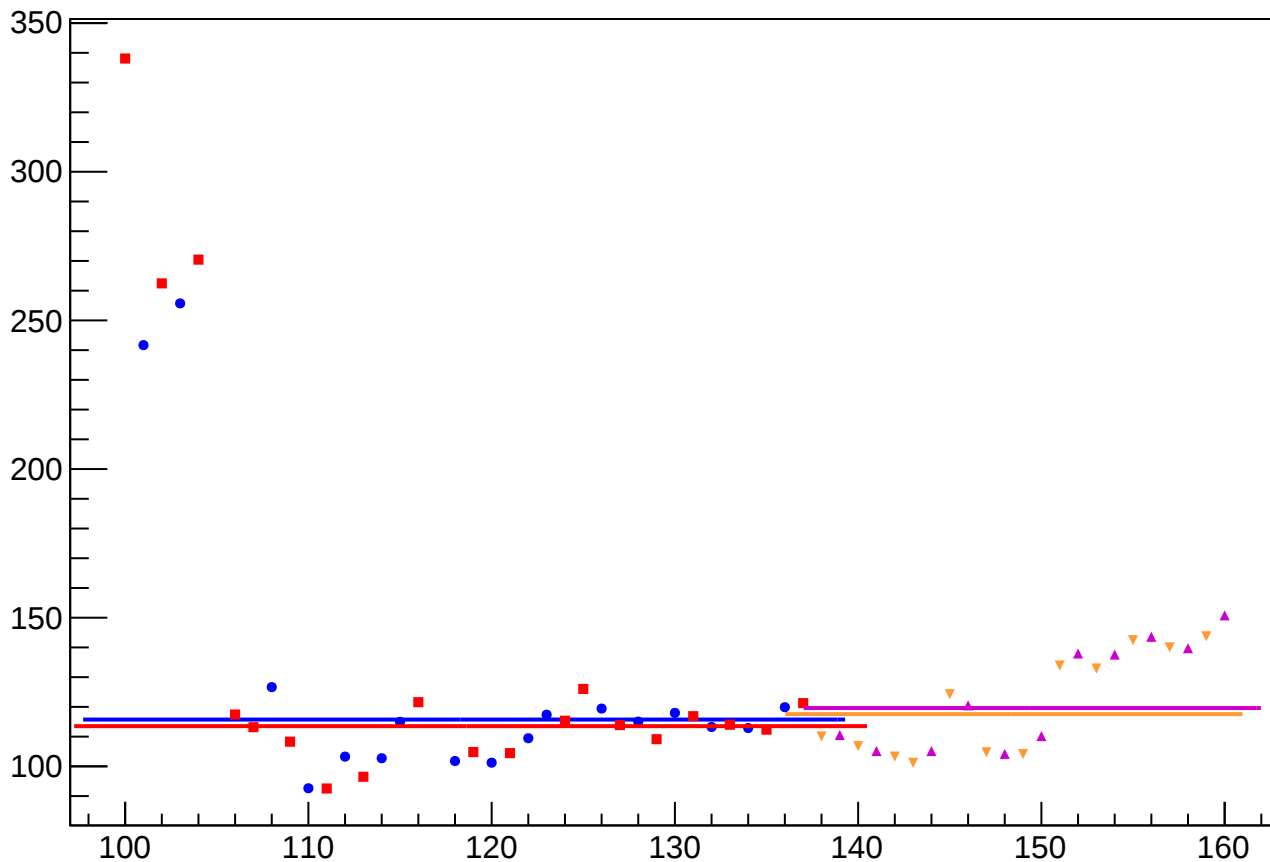
Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

Left In: 6382.594 ± 40.755 $\chi^2/\text{NDF}: 8664.2/10$

-4260.514 ± 30.550 $\chi^2/\text{NDF}: 47159.7/28$

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: 117.566+/-0.028 χ^2/NDF : 312345.8/11

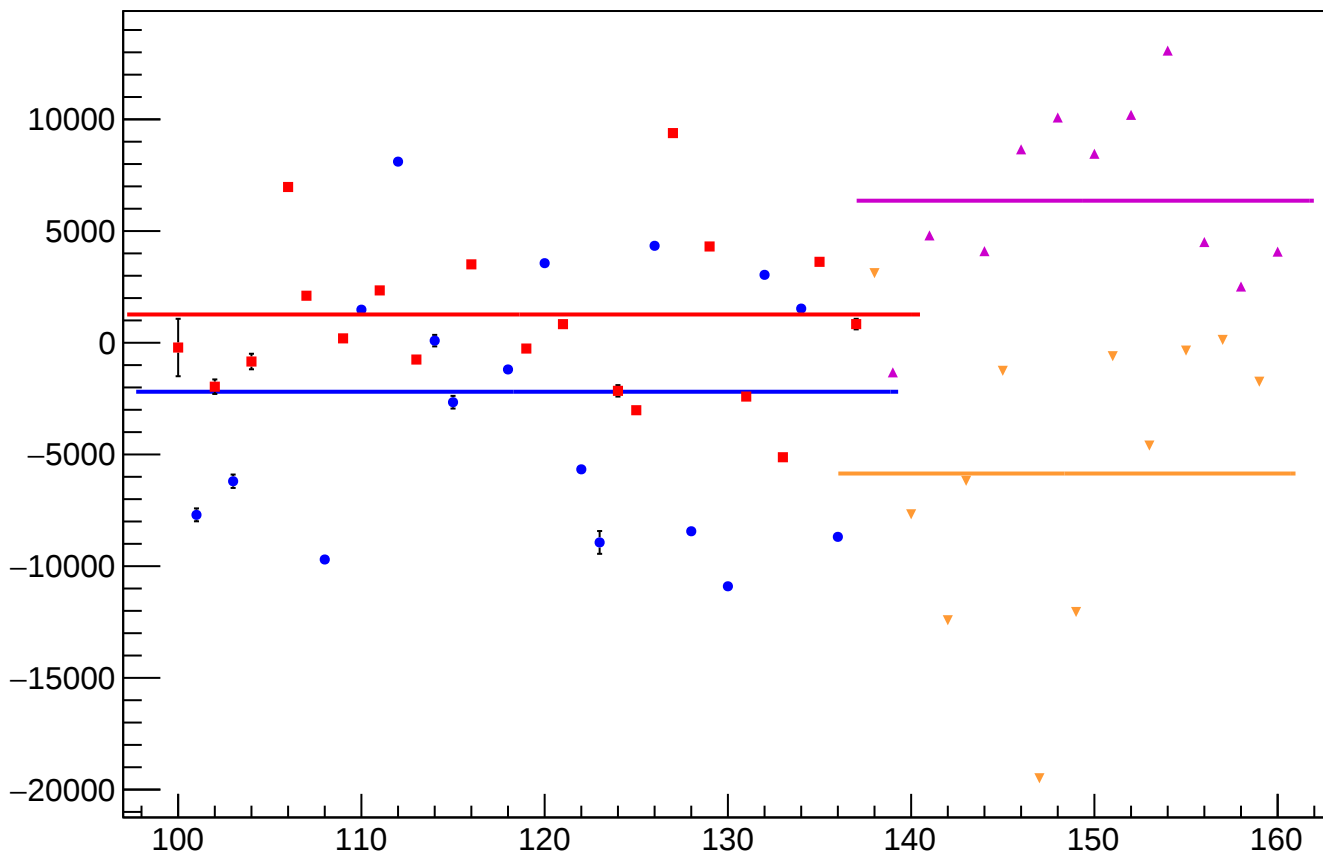
Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

Left In: 119.613+/-0.029 χ^2/NDF : 320453.7/10

116.805+/-0.022 χ^2/NDF : 1058098.8/28

116.867+/-0.021 χ^2/NDF : 1137245.9/29

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327 ± 39.944 χ^2/NDF : 22813.5/16

Left Out: -5852.990 ± 36.232 χ^2/NDF : 32683.1/11

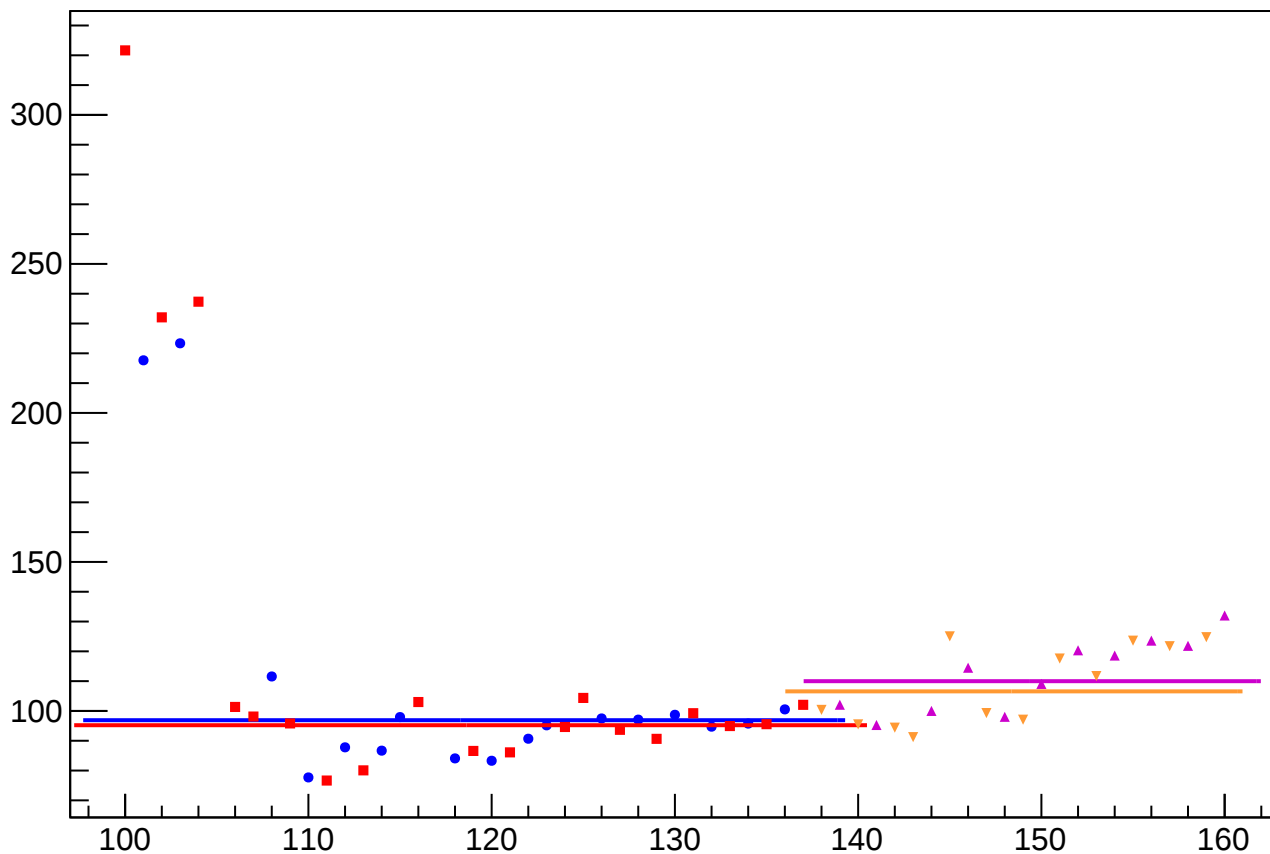
Right Out: 1266.189 ± 38.048 χ^2/NDF : 8550.5/18

Left In: 6358.844 ± 37.377 χ^2/NDF : 10797.6/10

-4200.611 ± 26.836 χ^2/NDF : 60104.3/28

3857.840 ± 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: 106.571+/-0.026 χ^2/NDF : 237388.9/11

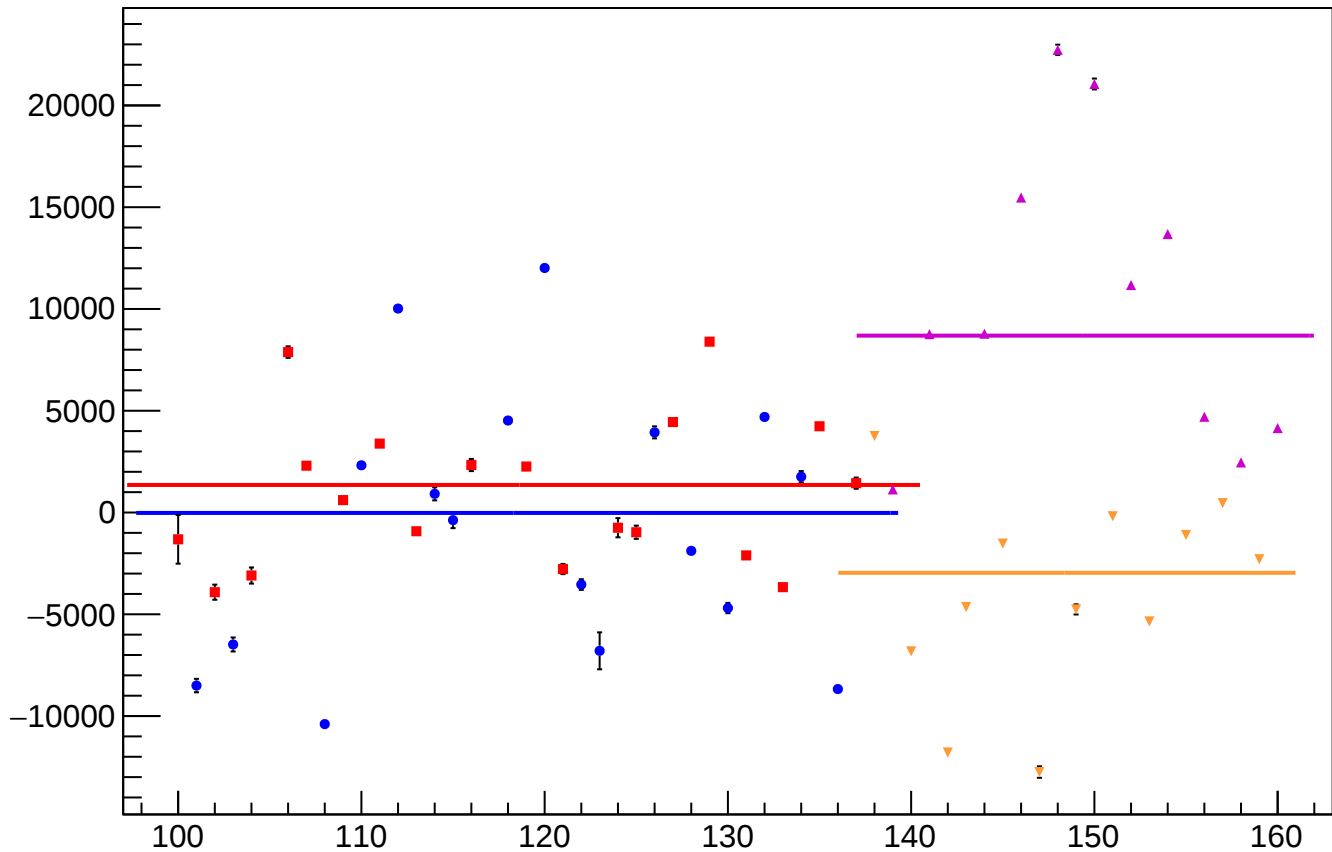
Right Out: 95.213+/-0.027 χ^2/NDF : 859809.7/18

Left In: 109.987+/-0.026 χ^2/NDF : 188340.0/10

102.203+/-0.019 χ^2/NDF : 1119015.2/28

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: -2962.159 ± 52.776 χ^2/NDF : 6189.9/11

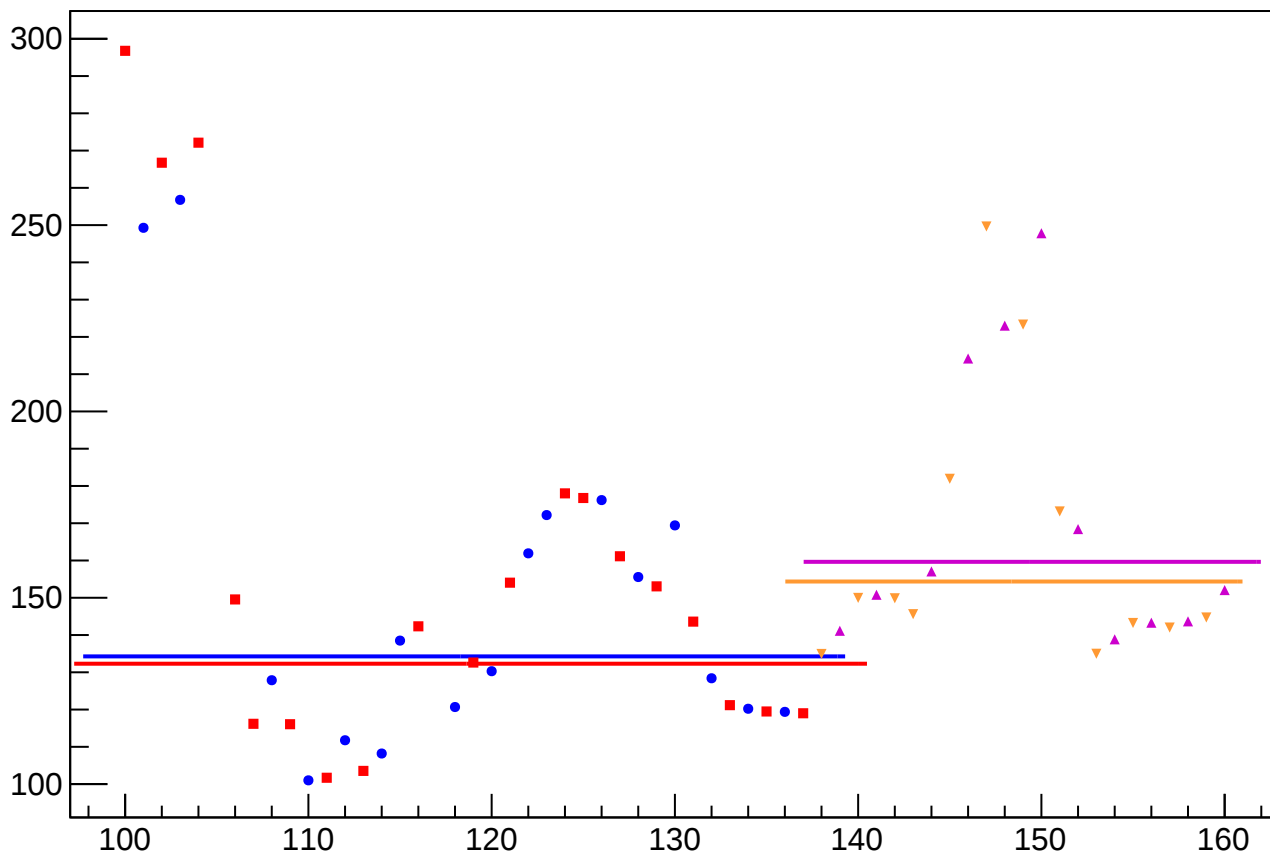
Right Out: 1353.461 ± 52.367 χ^2/NDF : 3837.2/18

Left In: 8690.343 ± 54.872 χ^2/NDF : 11950.2/10

-1542.197 ± 37.961 χ^2/NDF : 24050.8/28

4850.568 ± 37.884 χ^2/NDF : 25143.8/29

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 ± 0.039 χ^2/NDF : 788647.0/16

Left Out: 154.361 ± 0.037 χ^2/NDF : 529551.4/11

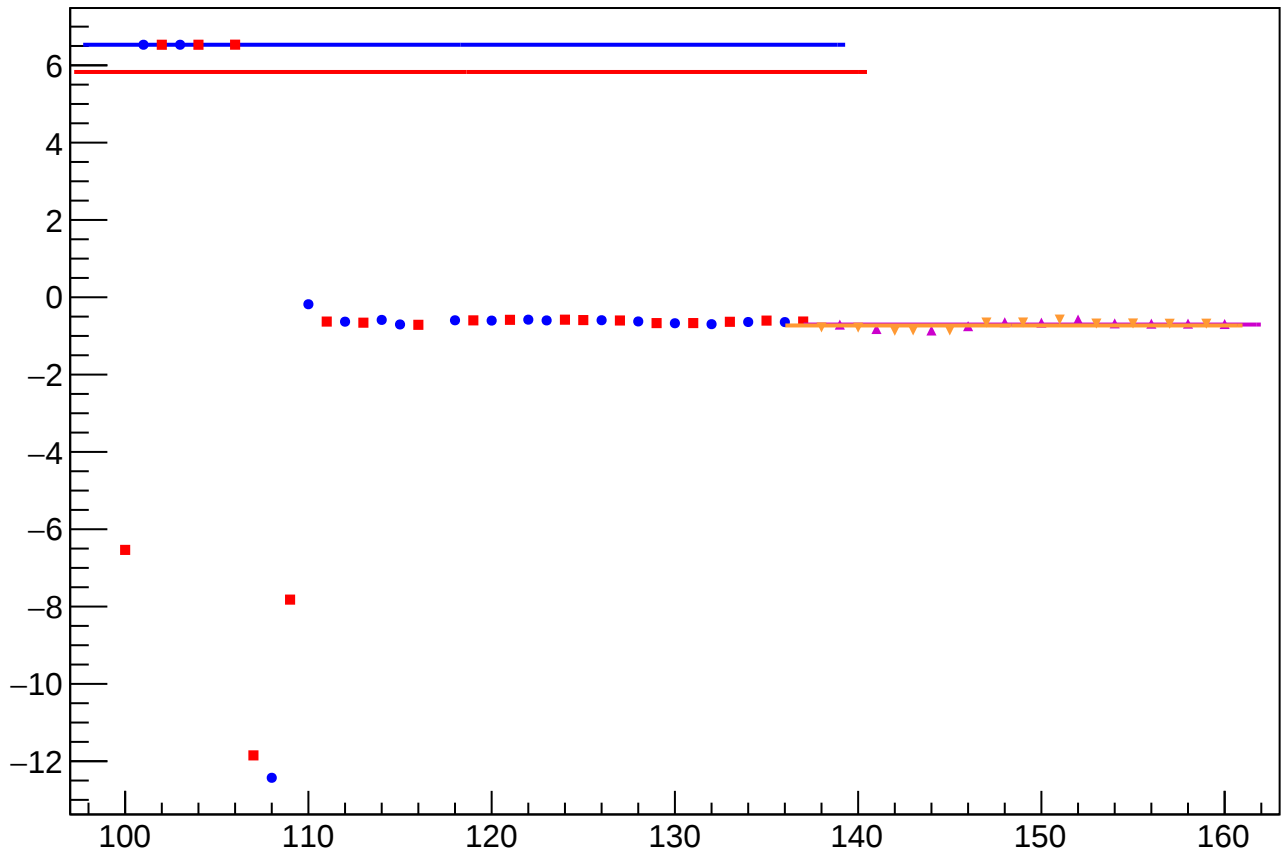
Right Out: 132.302 ± 0.037 χ^2/NDF : 869892.7/18

Left In: 159.643 ± 0.039 χ^2/NDF : 561815.8/10

144.664 ± 0.027 χ^2/NDF : 1458118.0/28

145.334 ± 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: -0.729+/-0.000 χ^2/NDF : 72032866.2/11

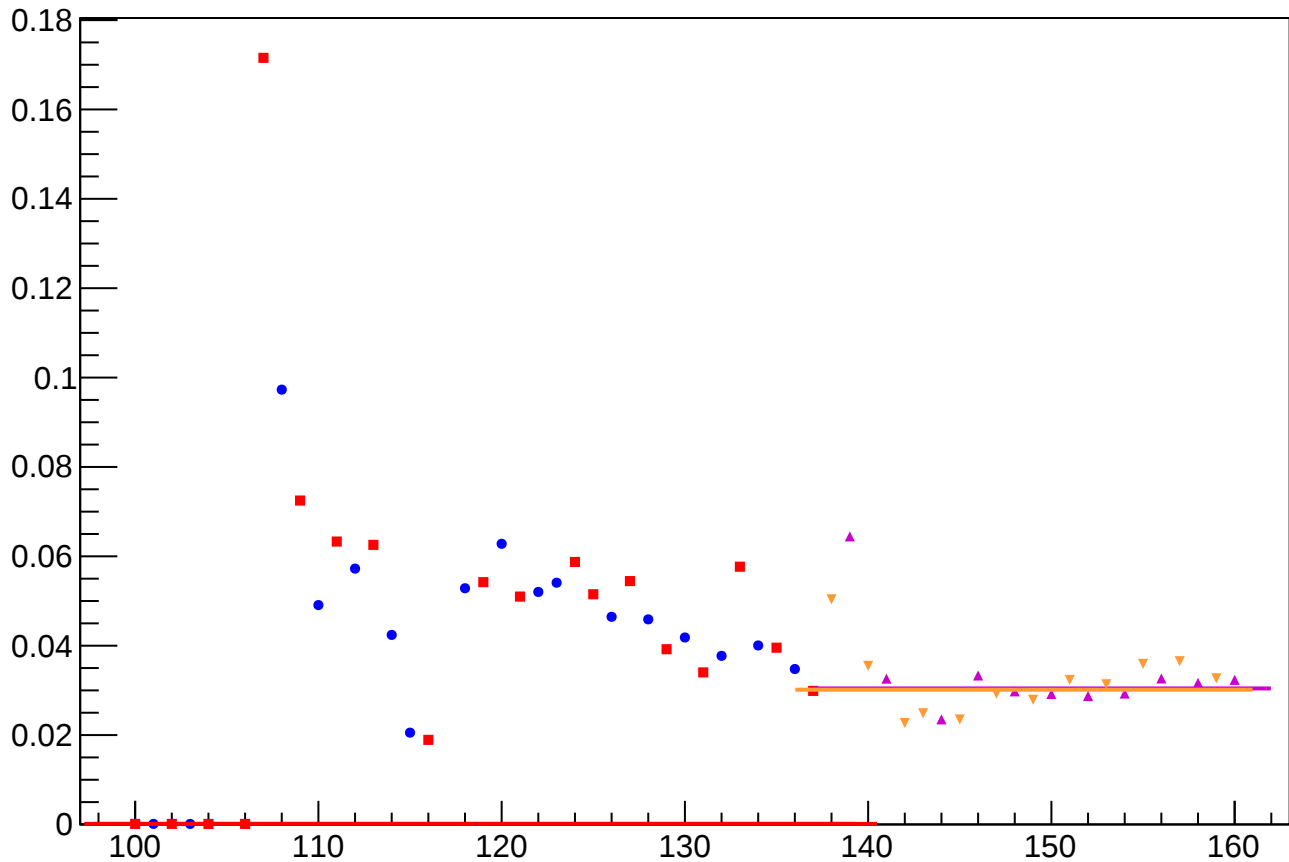
Right Out: 5.827+/-0.000 χ^2/NDF : 755948646460090.5/18

Left In: -0.706+/-0.000 χ^2/NDF : 54749324.5/10

6.531+/-0.000 χ^2/NDF : 532316978951.3/28

5.827+/-0.000 χ^2/NDF : 756274764389307.6/29

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 :516121.5/11

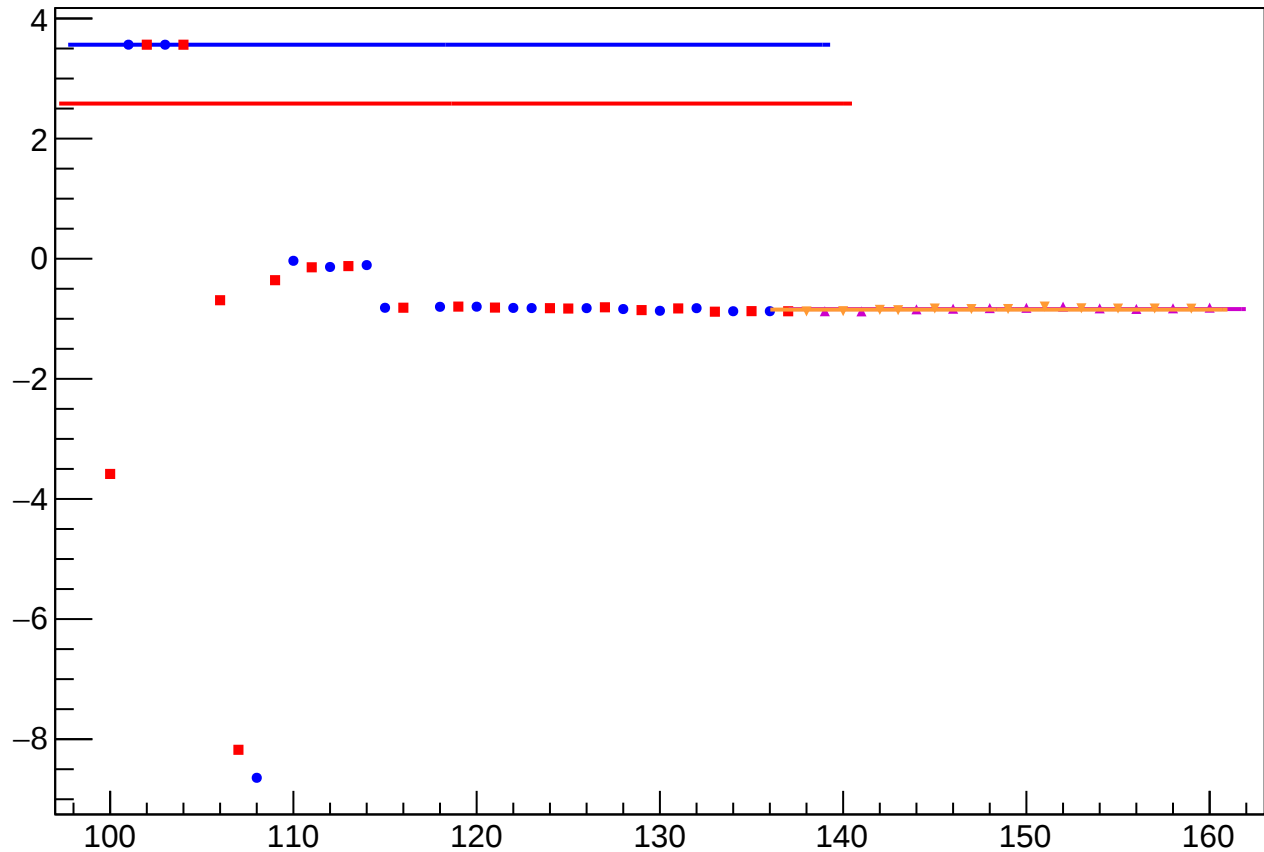
Right Out: 0.000+/-0.000 χ^2/NDF : 9373556.8/18

Left In: 0.030+/-0.000 χ^2/NDF :511918.7/10

0.000+/-0.000 χ^2/NDF : 23374994.5/28

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: -0.847+/-0.000 χ^2/NDF : 37498978.9/11

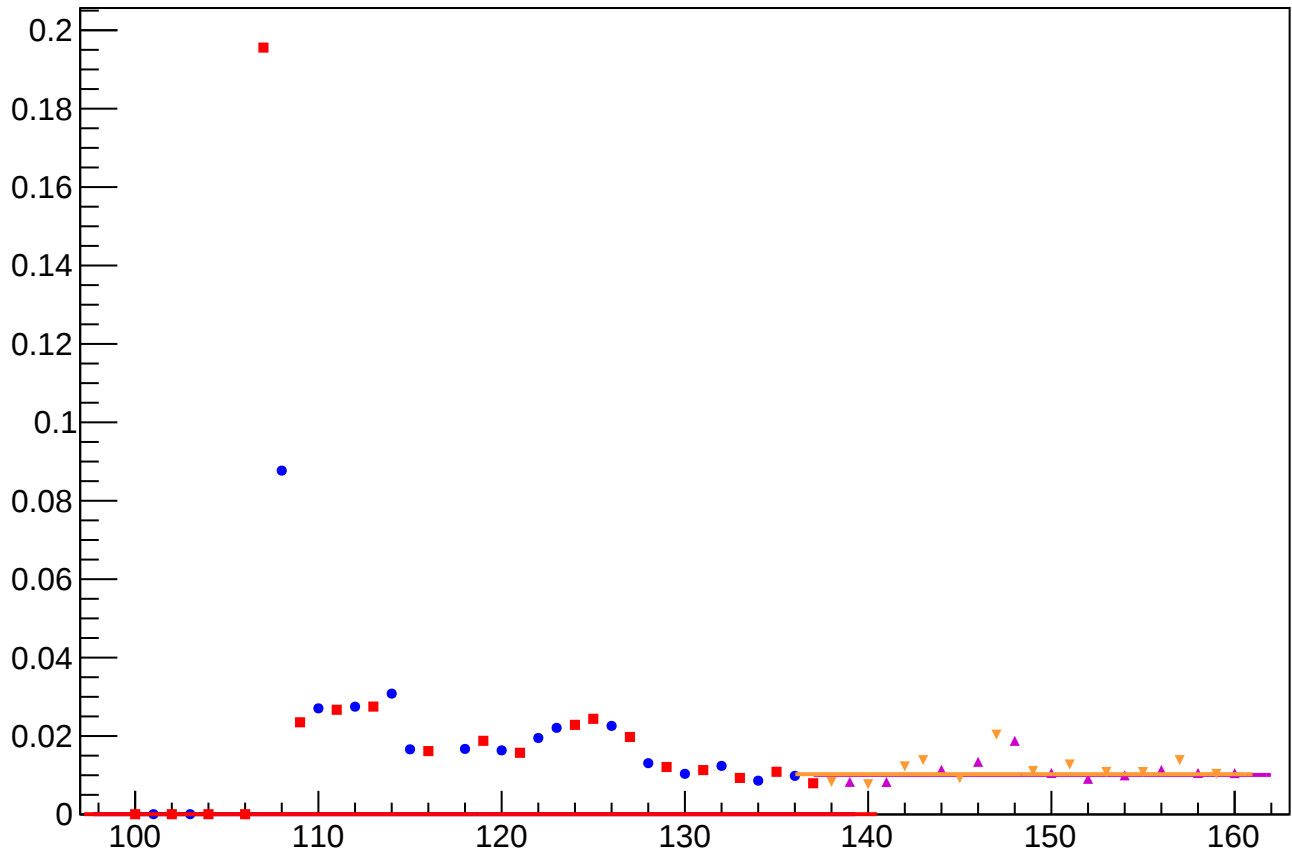
Right Out: 2.583+/-0.000 χ^2/NDF : 1253505323583154.2/18

Left In: -0.839+/-0.000 χ^2/NDF : 51146100.7/10

3.562+/-0.000 χ^2/NDF : 1713215327405.5/28

2.583+/-0.000 χ^2/NDF : 1254281086374208.0/28

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 : 803842.8/11

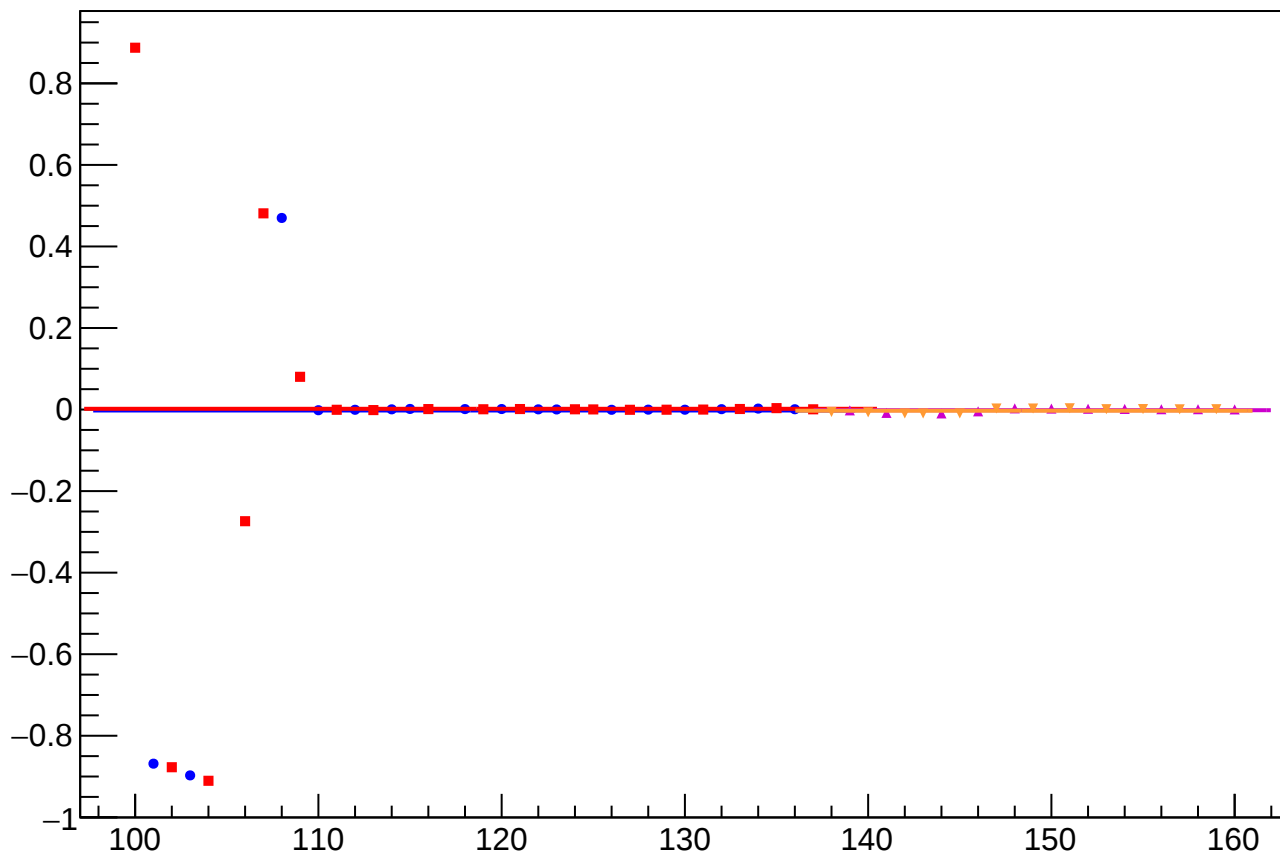
Right Out: 0.000+/-0.000 χ^2/NDF : 9880078.9/18

Left In: 0.010+/-0.000 χ^2/NDF : 555955.3/10

0.000+/-0.000 χ^2/NDF : 23763261.3/28

0.000+/-0.000 χ^2/NDF : 23726785.8/29

yield_cav4cX_mean vs Slug



Right In: -0.002 $\pm$ 0.000 χ^2 /NDF: 9795424036.3/16

Left Out: -0.003 $\pm$ 0.000 χ^2 /NDF: 78369808.2/11

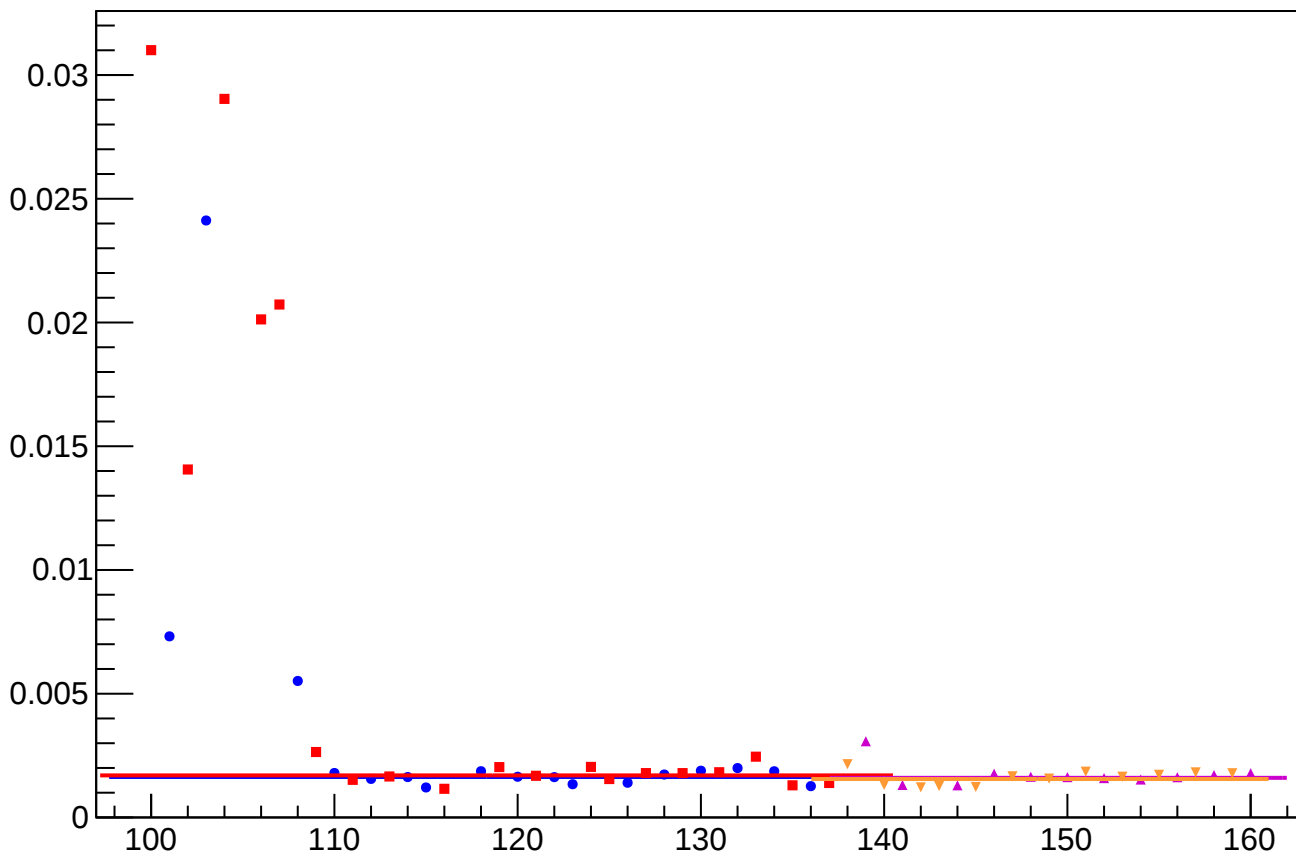
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3041331104.7/18

Left In: -0.002 $\pm$ 0.000 χ^2 /NDF: 58231389.3/10

-0.003 $\pm$ 0.000 χ^2 /NDF: 9874139532.3/28

-0.000 $\pm$ 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 : 402205.3/11

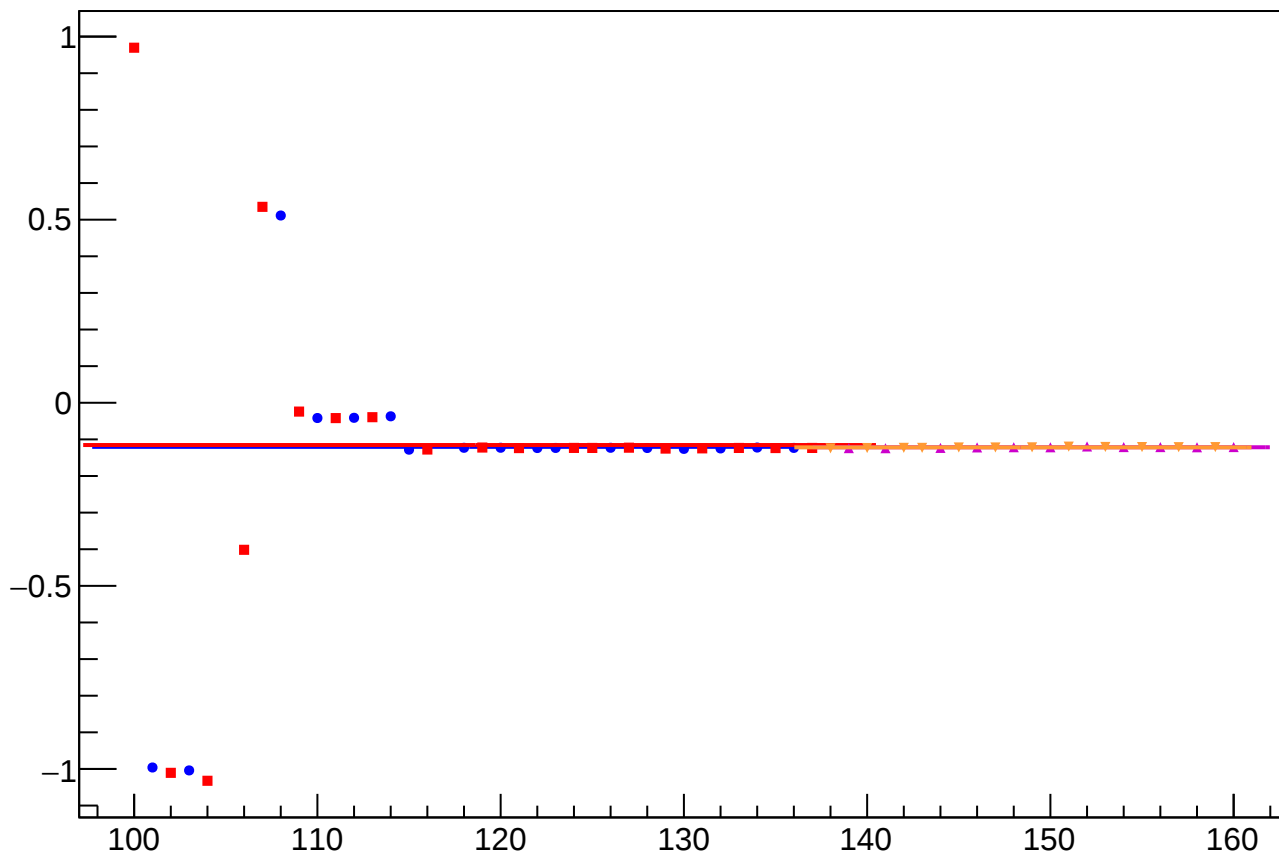
Right Out: 0.002+/-0.000 χ^2/NDF : 3025332.9/18

Left In: 0.002+/-0.000 χ^2/NDF : 471734.6/10

0.002+/-0.000 χ^2/NDF : 2335991.6/28

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 :10084628.0/11

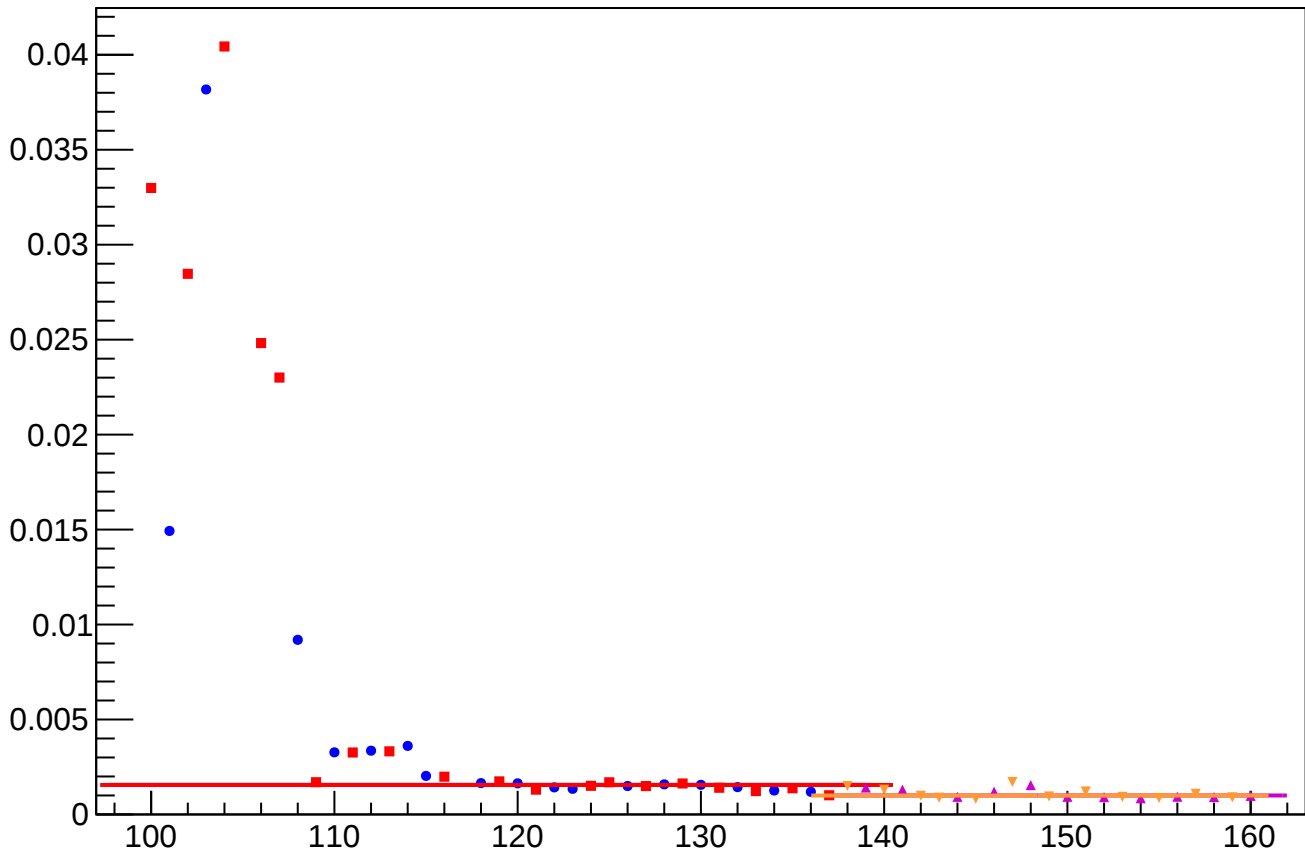
-0.121+/-0.000 χ^2/NDF : 3945404797.1/28

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 : 682294.9/11

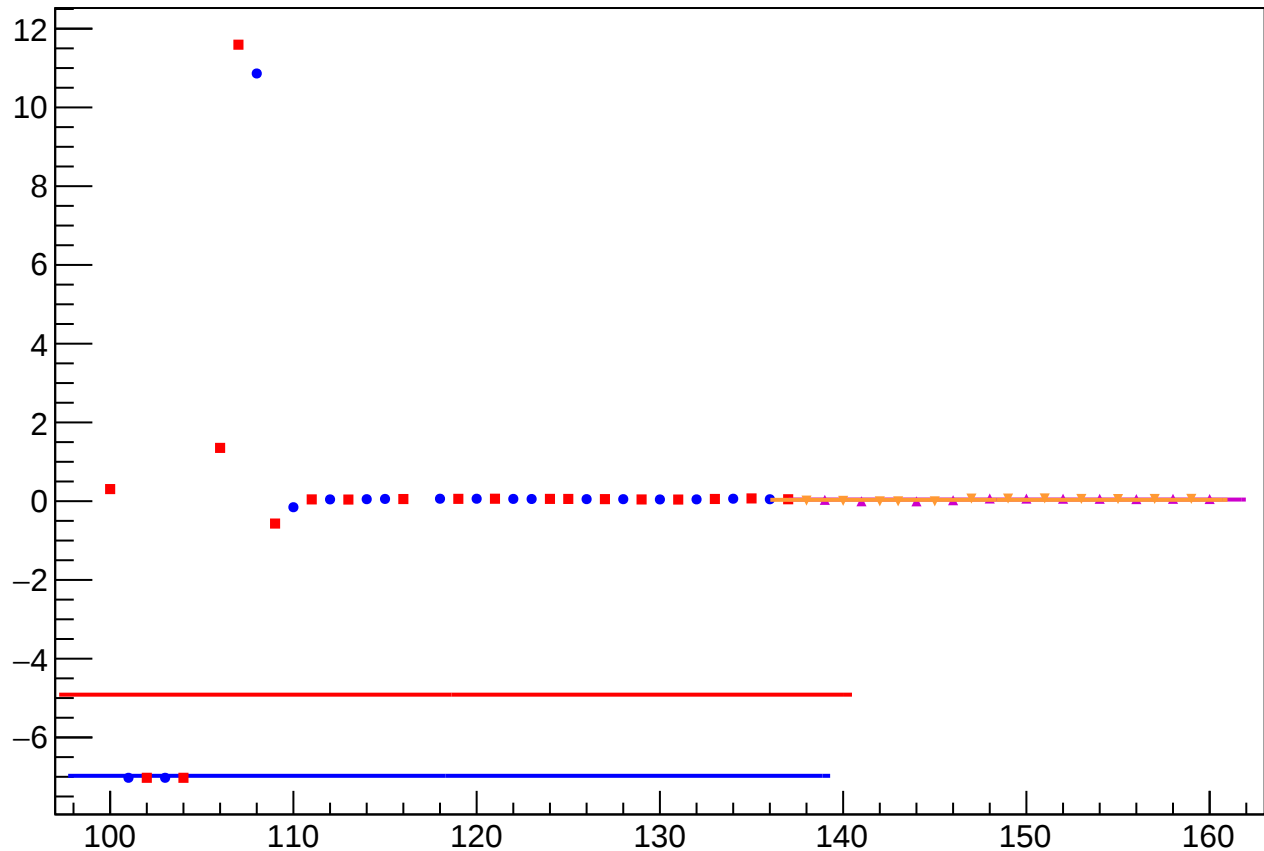
0.001+/-0.000 χ^2/NDF : 4559672.2/28

Right Out: 0.002+/-0.000 χ^2/NDF : 3538622.3/18

0.001+/-0.000 χ^2/NDF : 4998640.1/29

Left In: 0.001+/-0.000 χ^2/NDF : 517162.3/10

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.034+/-0.000 χ^2/NDF : 78626823.5/11

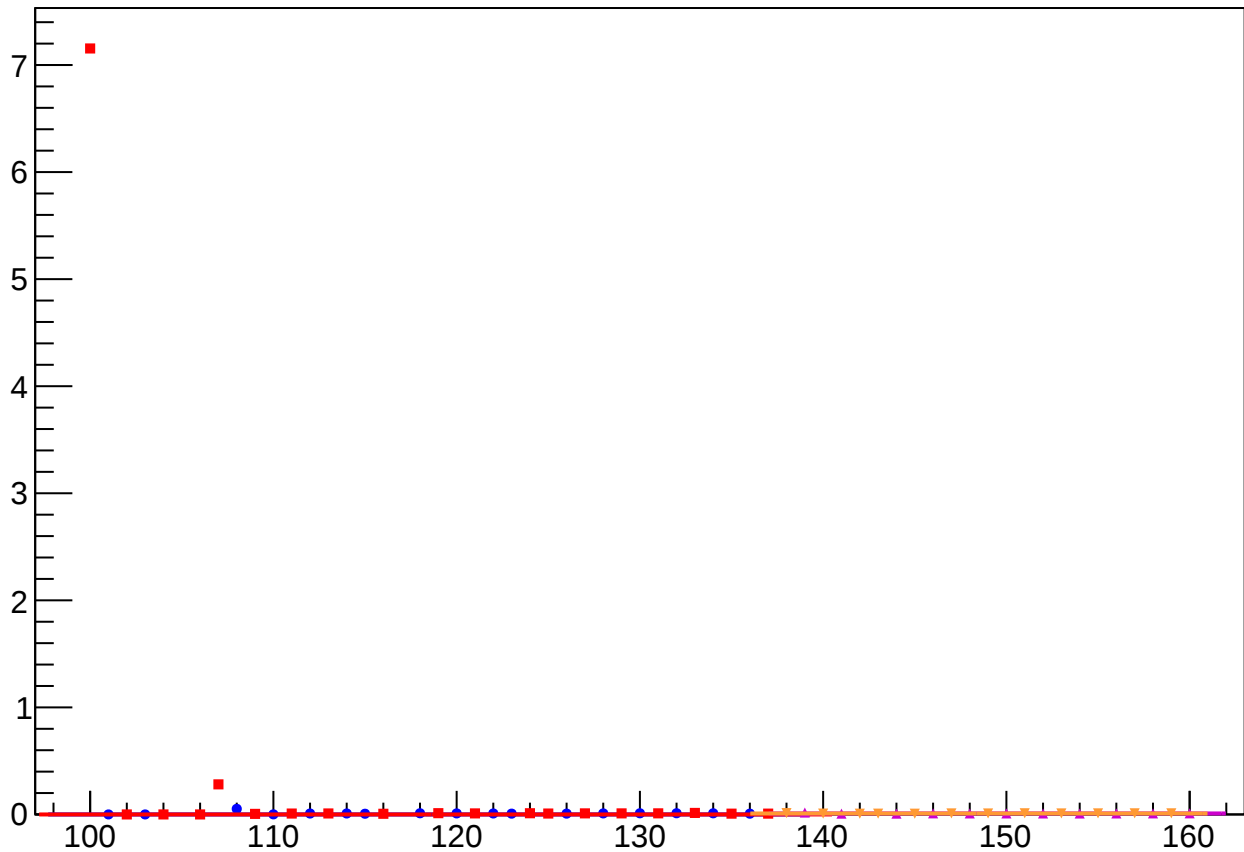
Right Out: -4.914+/-0.000 χ^2/NDF : 365362215369689.4/18

Left In: 0.041+/-0.000 χ^2/NDF : 64131441.9/10

-6.952+/-0.000 χ^2/NDF : 12848212552105.5/28

-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 :399627.9/11

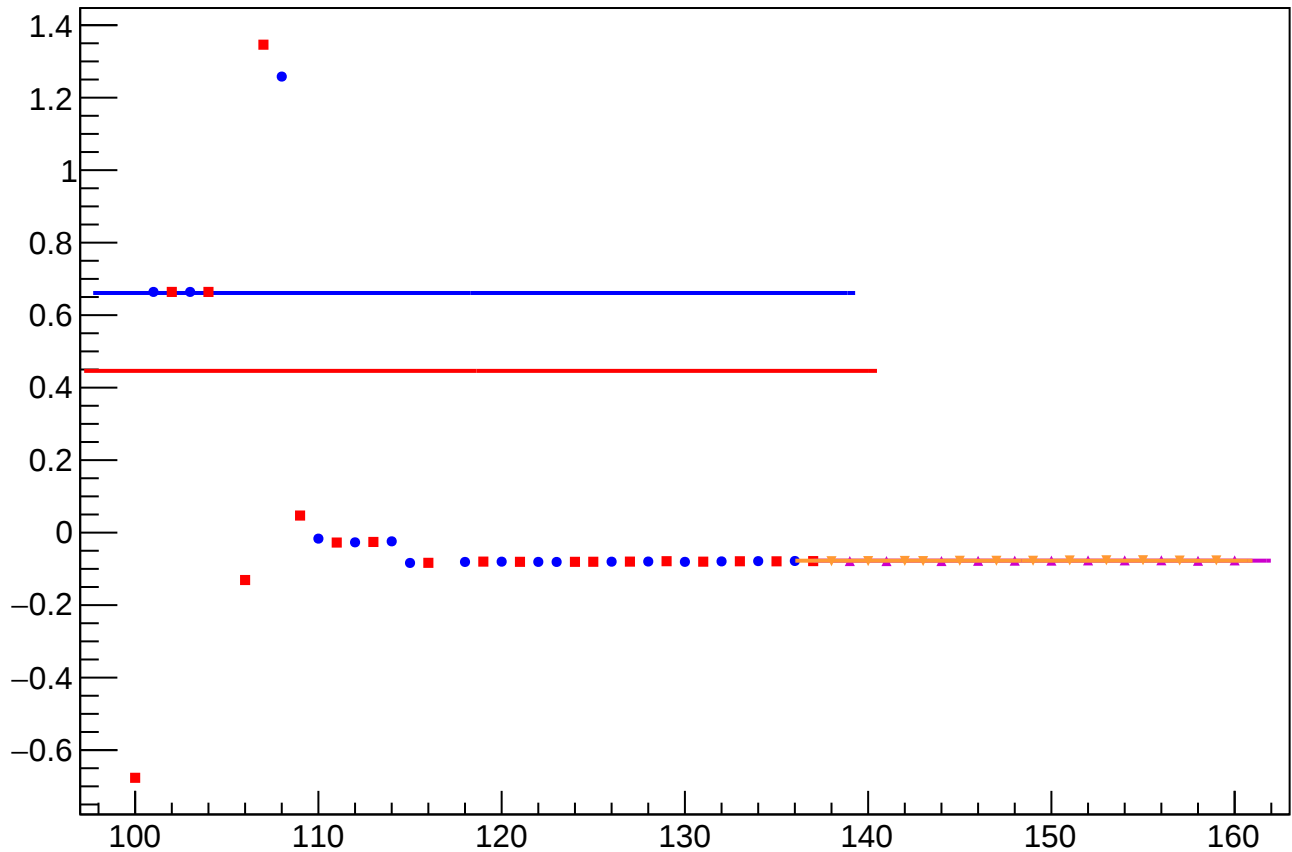
Right Out: 0.000+/-0.000 χ^2/NDF : 8802124.3/18

Left In: 0.009+/-0.000 χ^2/NDF :475385.3/10

0.000+/-0.000 χ^2/NDF : 22046578.3/28

0.000+/-0.000 χ^2/NDF : 22862359.4/29

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5678332616622.1/16

Left Out: -0.077+/-0.000 χ^2/NDF : 20845550.8/11

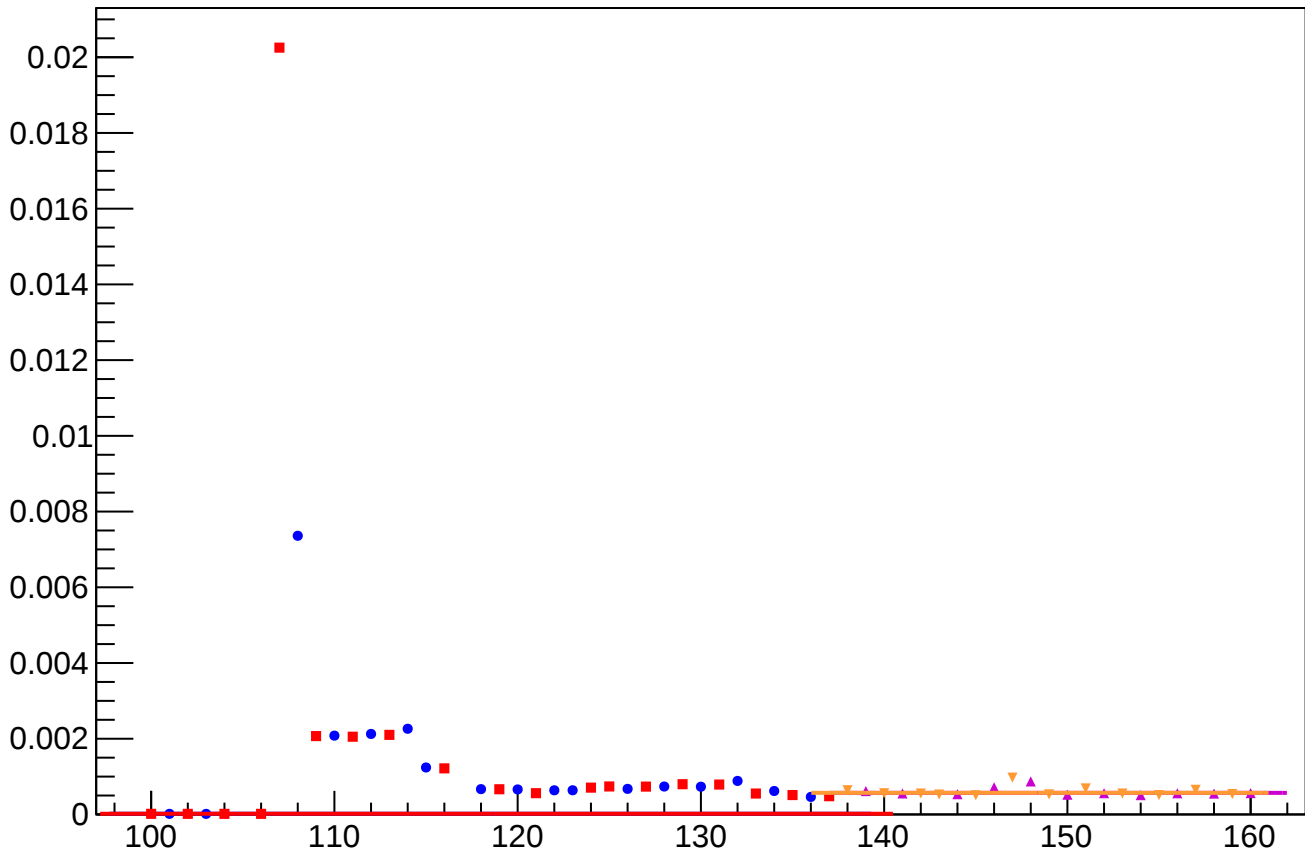
Right Out: 0.446+/-0.000 χ^2/NDF : 405428604683882.5/18

Left In: -0.077+/-0.000 χ^2/NDF : 16349622.8/10

0.654+/-0.000 χ^2/NDF : 19529024057289.6/28

0.441+/-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 : 406761.3/11

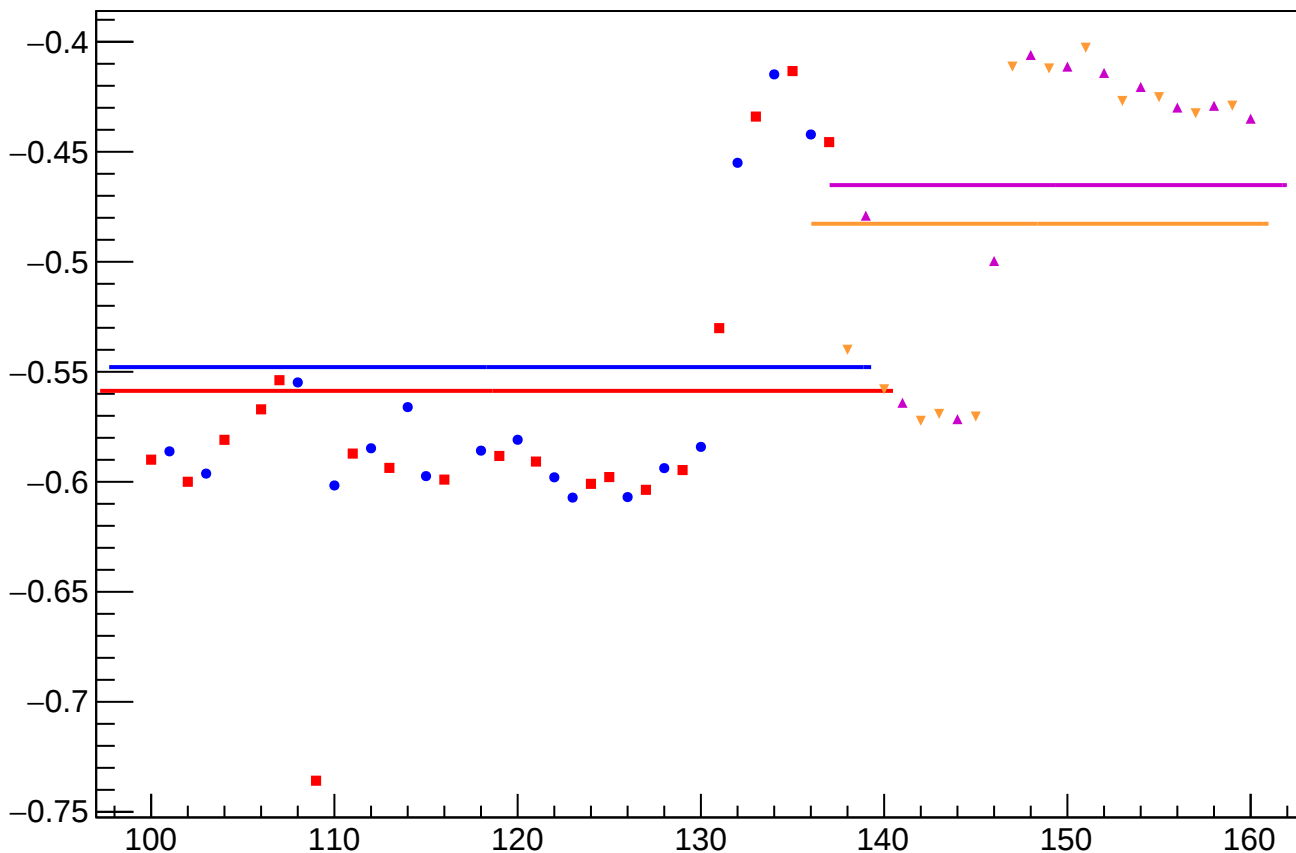
Right Out: 0.000+/-0.000 χ^2/NDF : 9500798.4/18

Left In: 0.001+/-0.000 χ^2/NDF : 303881.2/10

0.000+/-0.000 χ^2/NDF : 25925760.1/28

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: -0.483+/-0.000 χ^2/NDF : 88389531.5/11

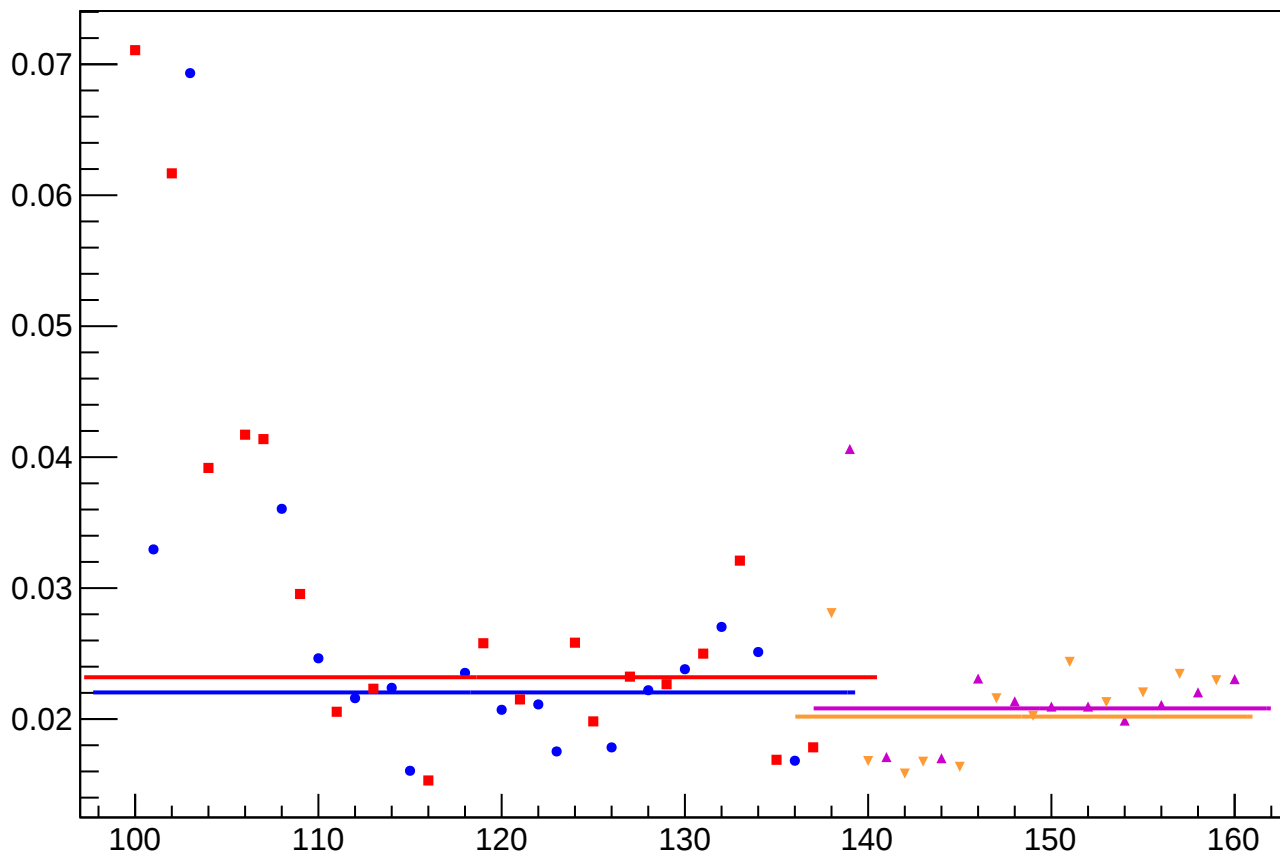
Right Out: -0.559+/-0.000 χ^2/NDF : 65682293.5/18

Left In: -0.465+/-0.000 χ^2/NDF : 67319473.3/10

-0.508+/-0.000 χ^2/NDF : 164507926.5/28

-0.501+/-0.000 χ^2/NDF : 186923050.7/29

yield_bpm4aX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 958966.6/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:381700.2/11

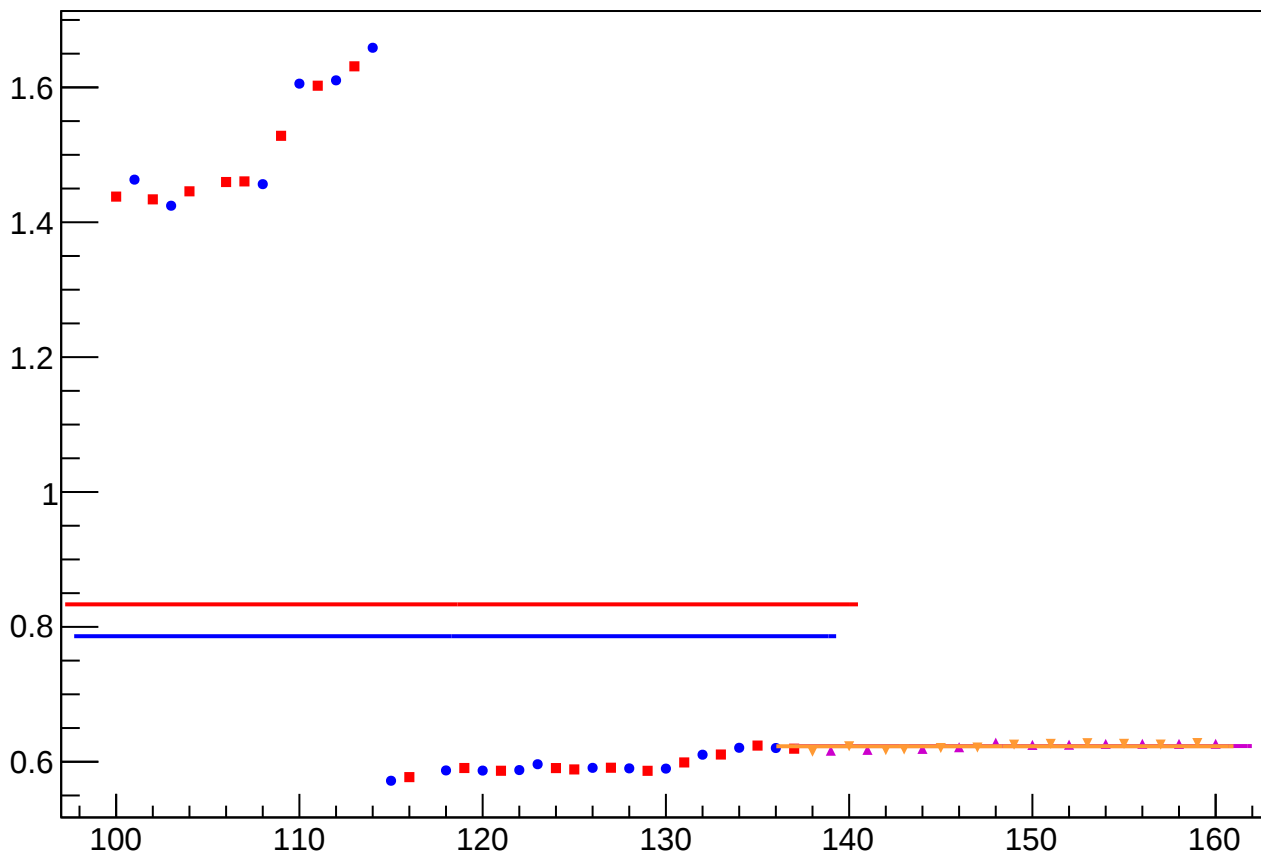
Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1156989.7/18

Left In: 0.021 $\pm$ 0.000 χ^2 /NDF:472405.4/10

0.021 $\pm$ 0.000 χ^2 /NDF: 1384877.0/28

0.022 $\pm$ 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 : 957353.3/11

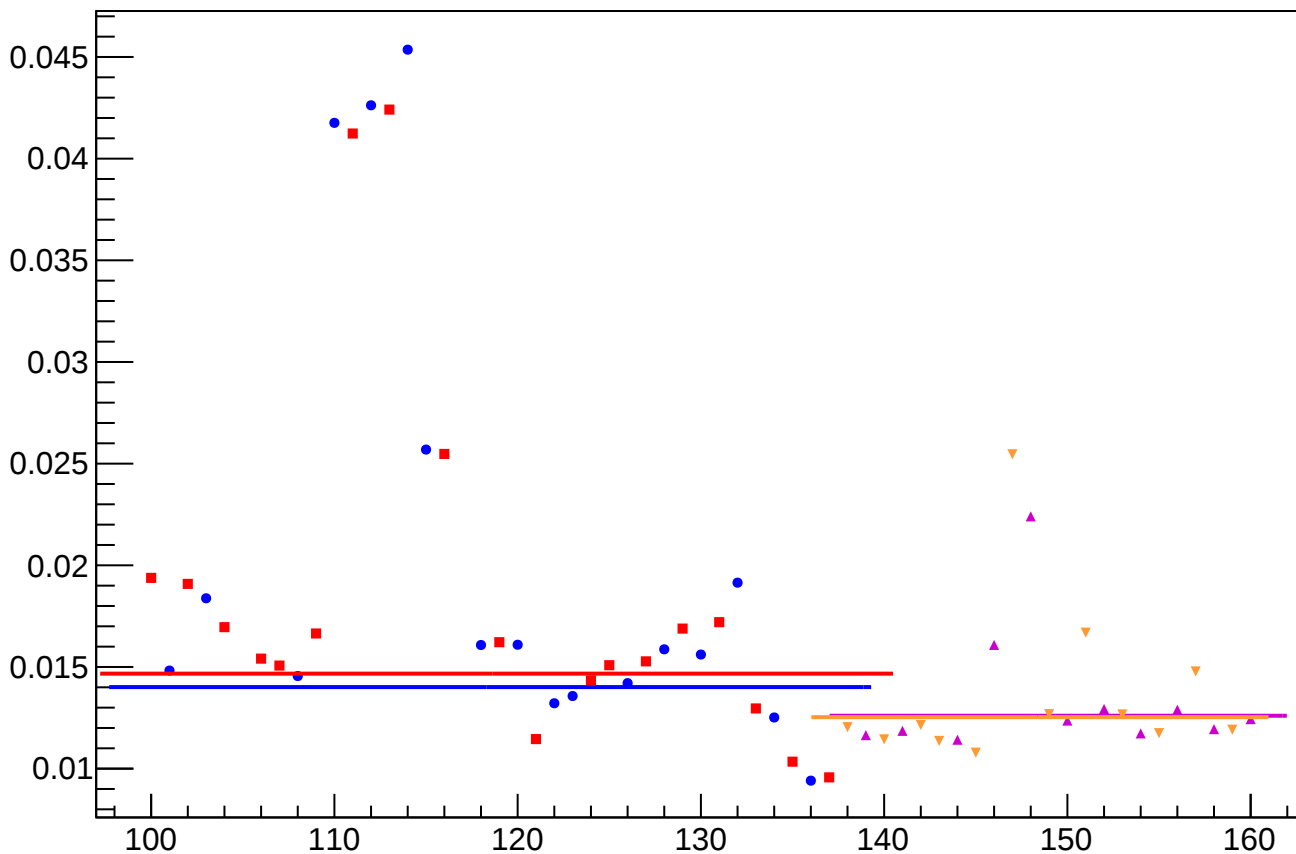
Right Out: 0.833 $\pm$ 0.000 χ^2/NDF : 4156812252.4/18

Left In: 0.623 $\pm$ 0.000 χ^2/NDF : 837207.3/10

0.681 $\pm$ 0.000 χ^2/NDF : 4089877324.8/28

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 : 587449.6/11

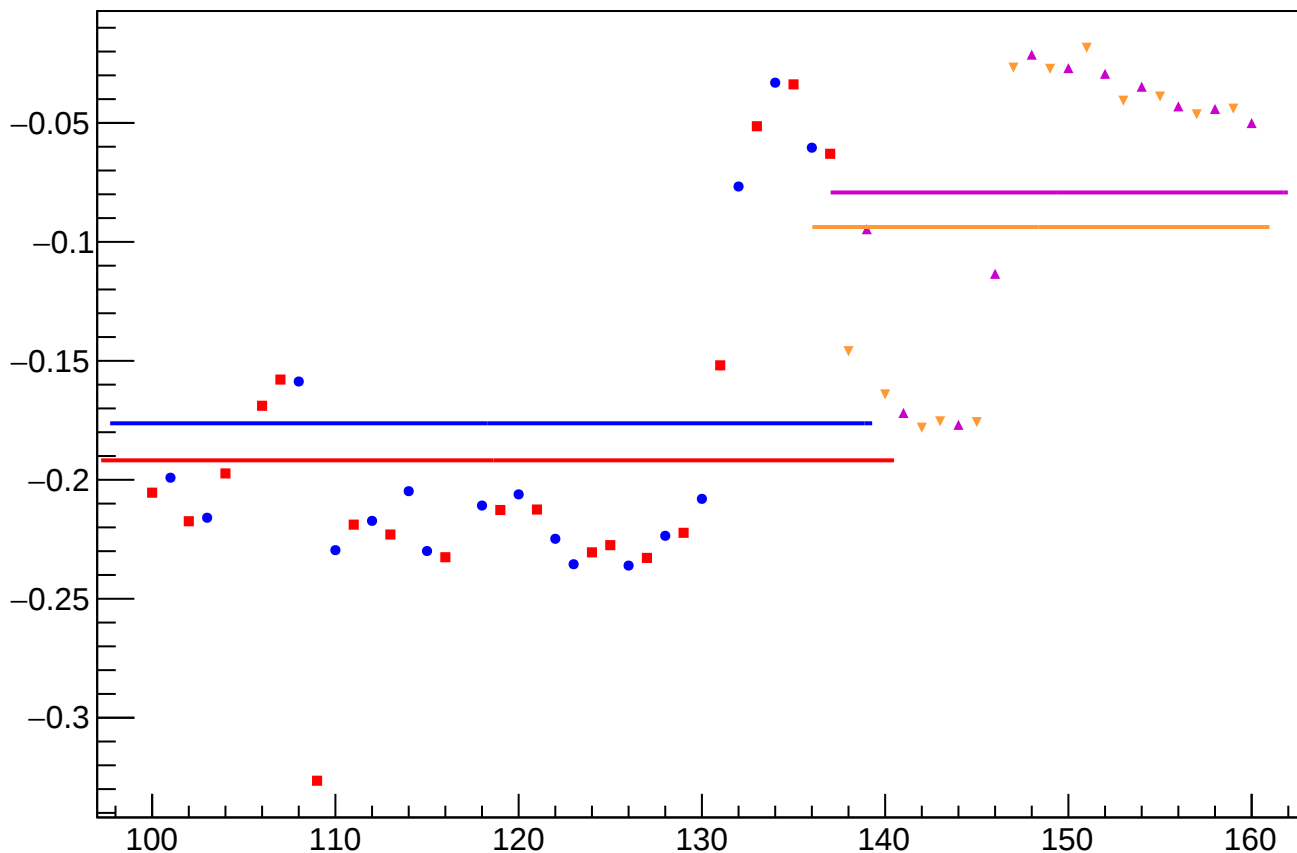
0.013+/-0.000 χ^2/NDF : 2074322.7/28

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: -0.094+/-0.000 χ^2/NDF : 85519911.0/11

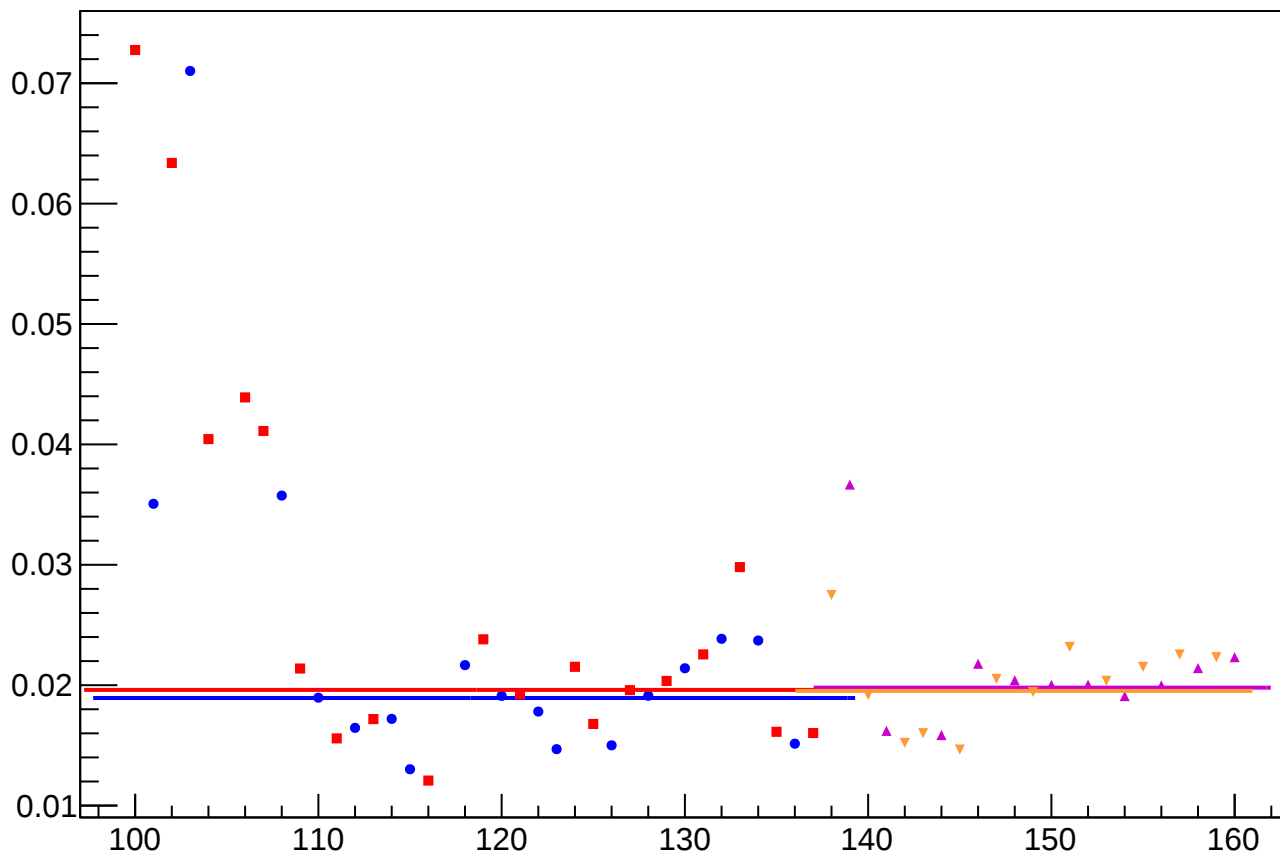
Right Out: -0.192+/-0.000 χ^2/NDF : 83809115.6/18

Left In: -0.079+/-0.000 χ^2/NDF : 68345232.0/10

-0.129+/-0.000 χ^2/NDF : 209669485.7/28

-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: 0.020+/-0.000 χ^2/NDF : 411911.4/11

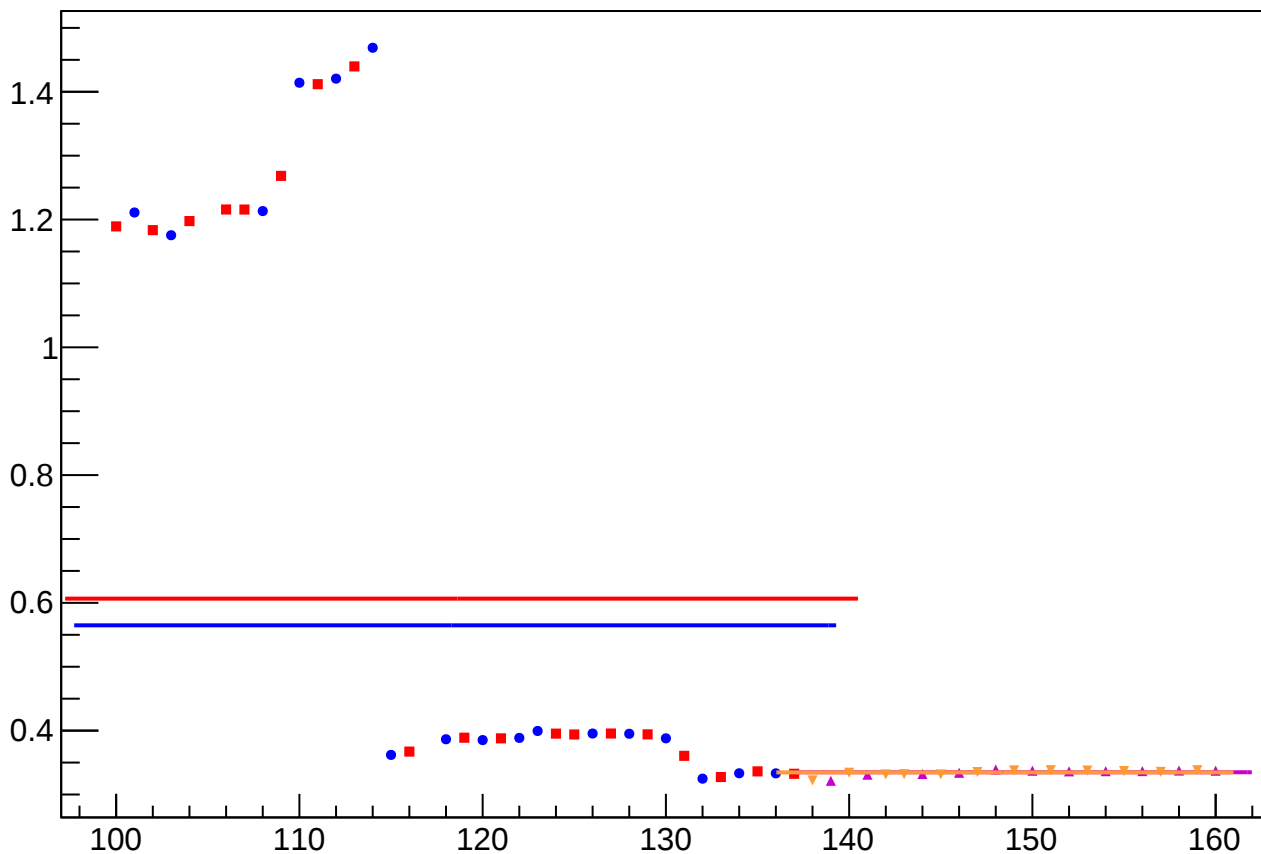
Right Out: 0.020+/-0.000 χ^2/NDF : 1457660.9/18

Left In: 0.020+/-0.000 χ^2/NDF : 461810.7/10

0.019+/-0.000 χ^2/NDF : 1623300.1/28

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 :1060800.7/11

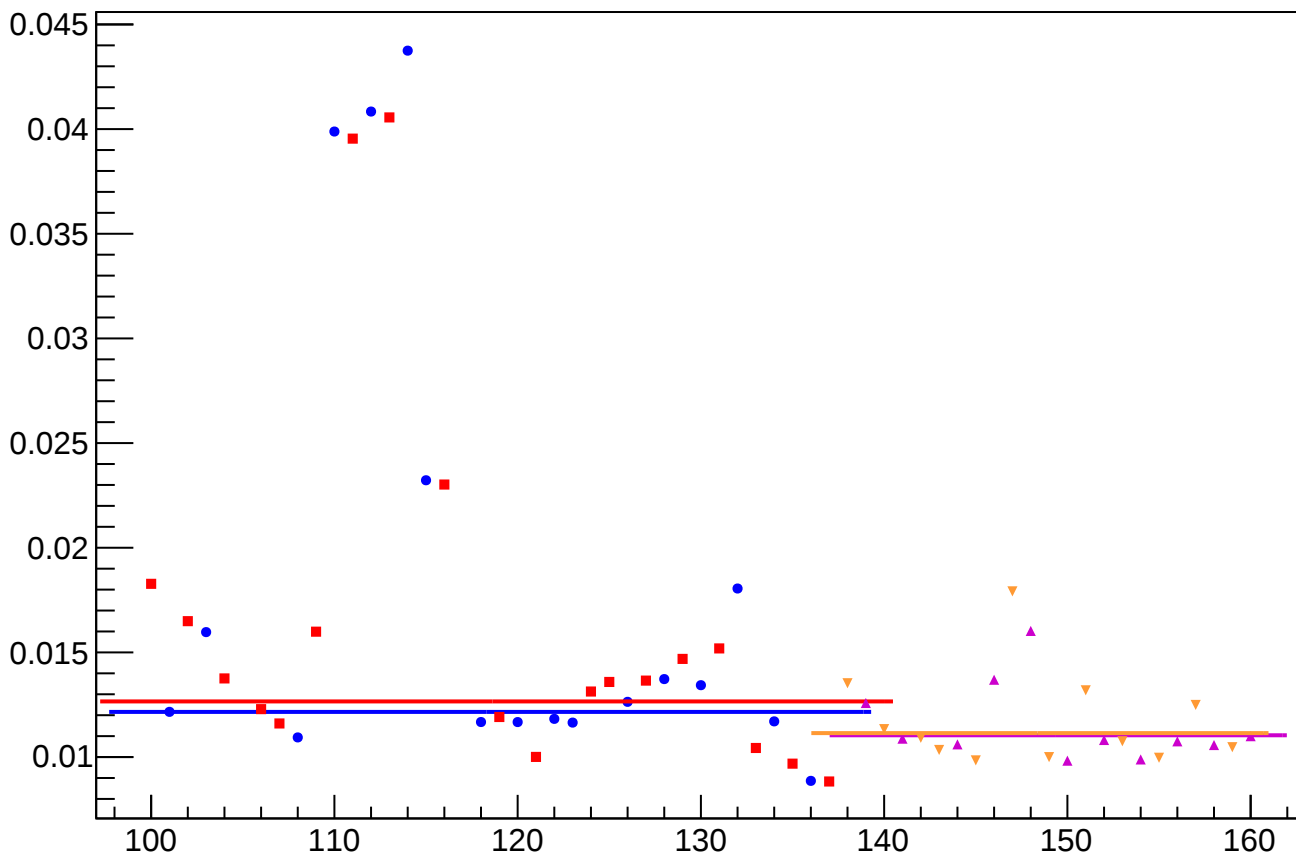
Right Out: 0.607+/-0.000 χ^2/NDF : 5513752213.8/18

Left In: 0.335+/-0.000 χ^2/NDF :1153404.7/10

0.418+/-0.000 χ^2/NDF : 6327450402.5/28

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: 394865.2/11

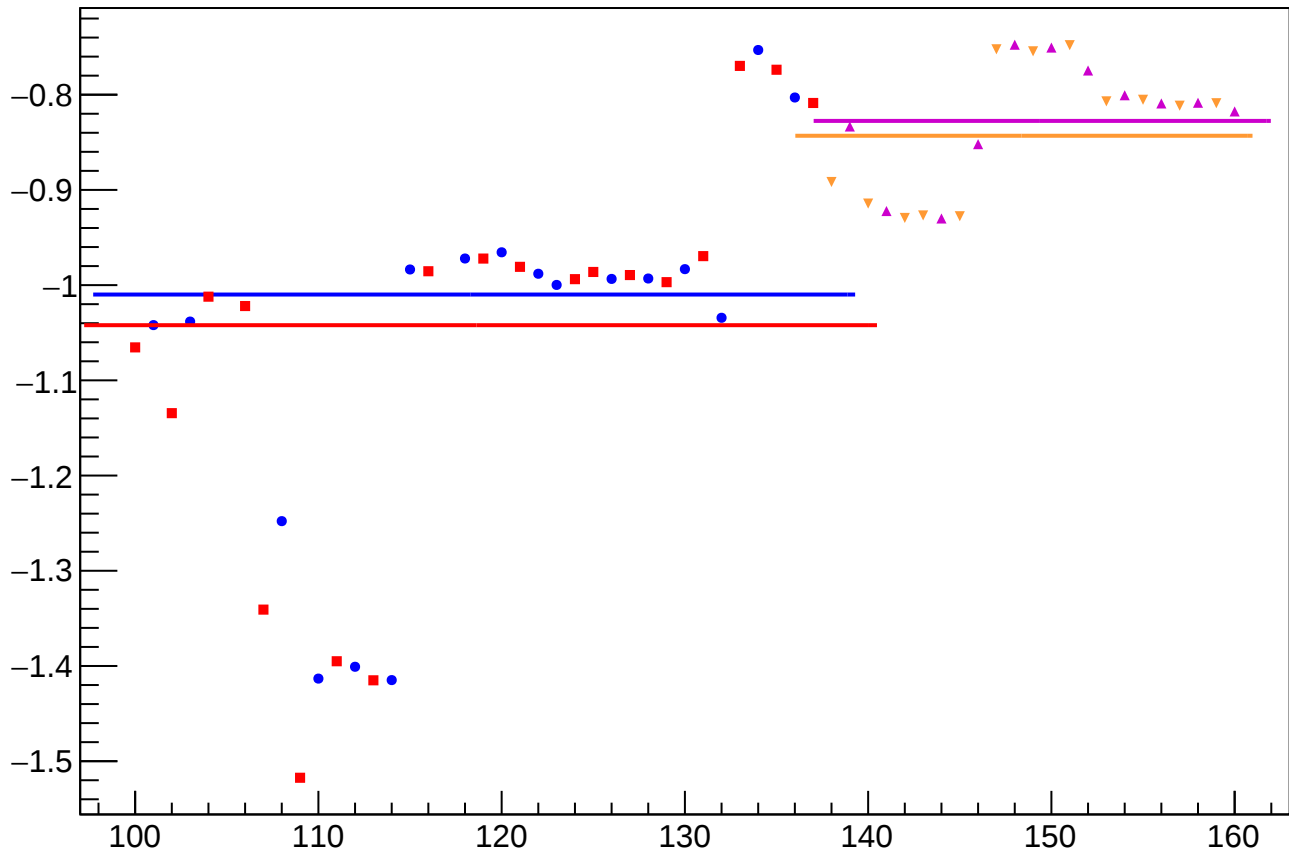
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1270689.5/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 281667.9/10

0.012 $\pm$ 0.000 χ^2 /NDF: 1754893.0/28

0.012 $\pm$ 0.000 χ^2 /NDF: 1678353.4/29

yield_bpm4acX_mean vs Slug



Right In: -1.010+/-0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.843+/-0.000 χ^2/NDF : 91383558.6/11

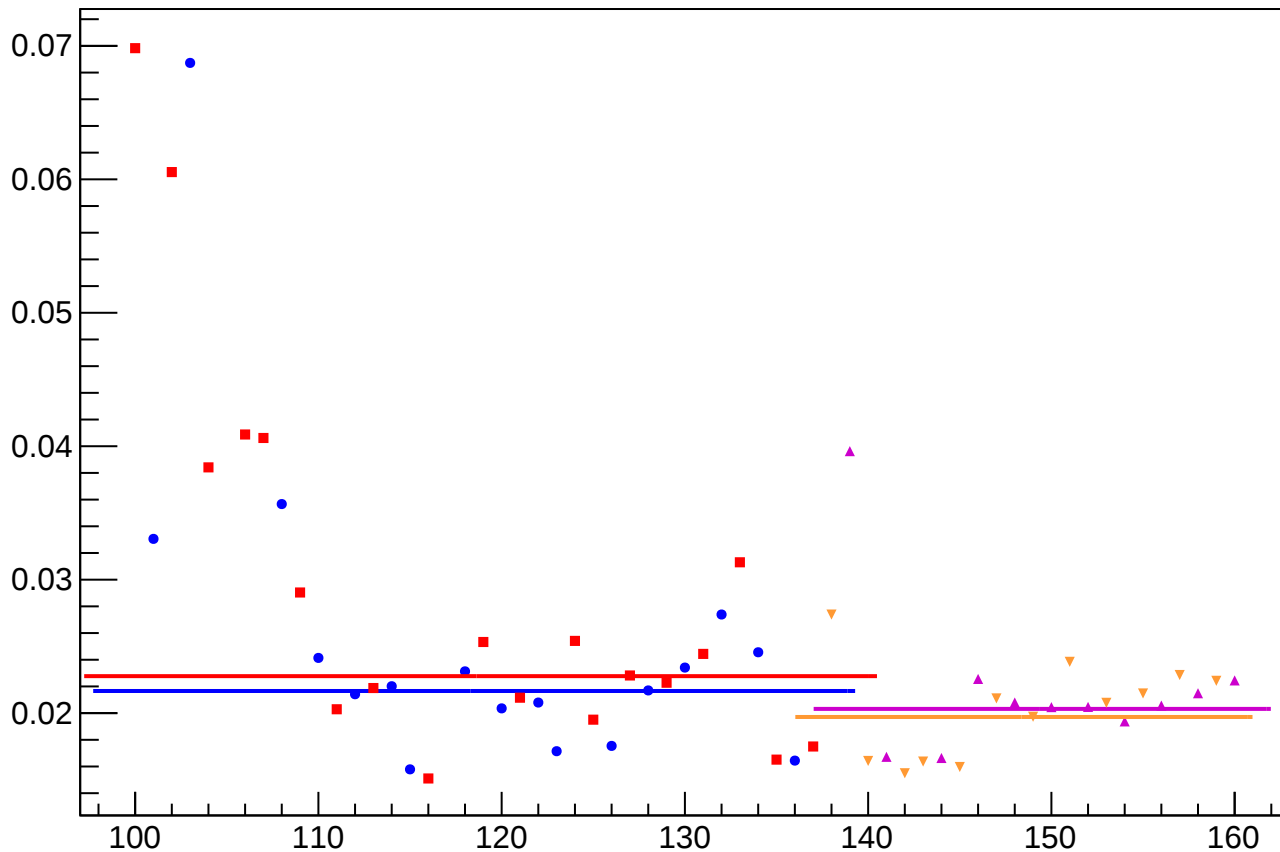
-0.906+/-0.000 χ^2/NDF : 666571054.8/28

Right Out: -1.042+/-0.000 χ^2/NDF : 530106141.8/18

-0.908+/-0.000 χ^2/NDF : 895488758.5/29

Left In: -0.828+/-0.000 χ^2/NDF : 69998514.8/10

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 : 379597.9/11

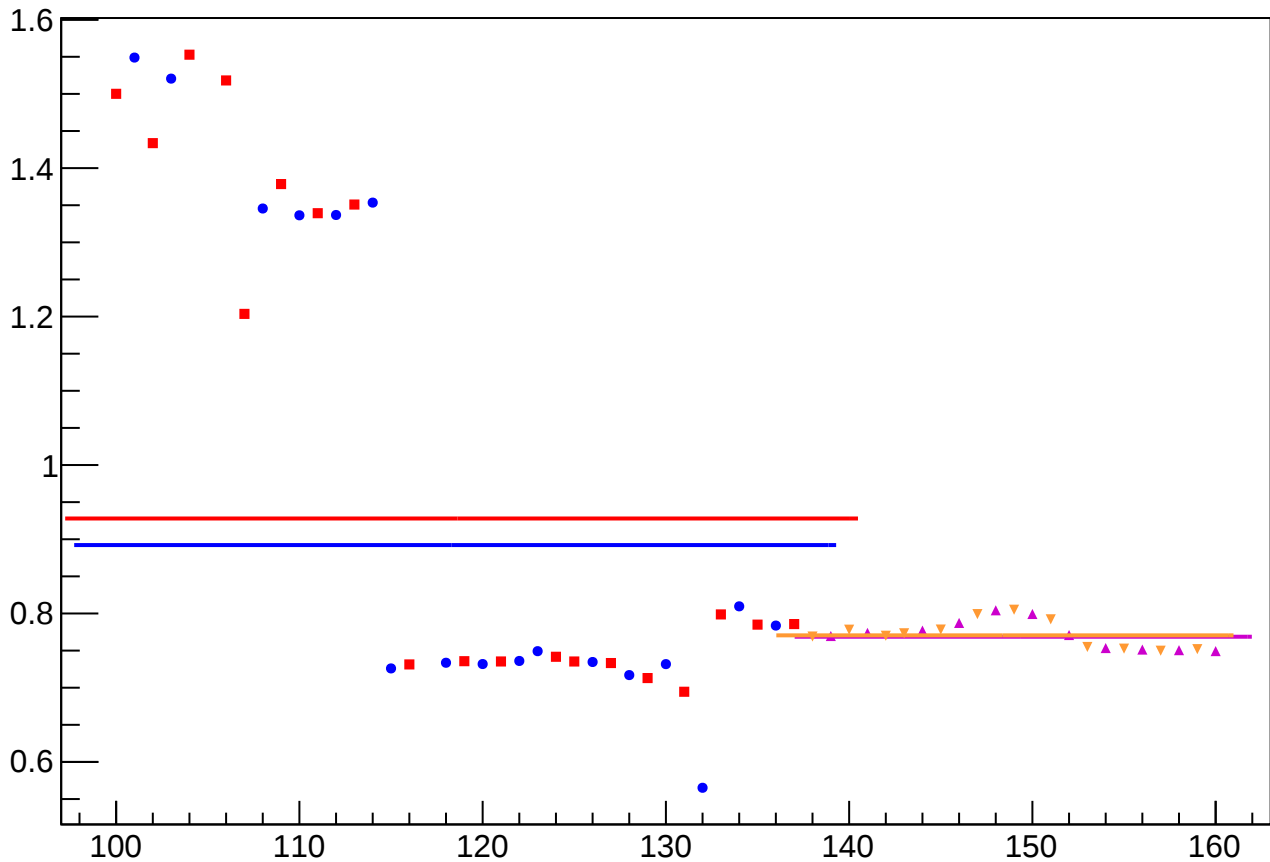
Right Out: 0.023 ± 0.000 χ^2/NDF : 1152617.8/18

Left In: 0.020 ± 0.000 χ^2/NDF : 469233.6/10

0.020 ± 0.000 χ^2/NDF : 1414248.0/28

0.021 ± 0.000 χ^2/NDF : 1699128.8/29

yield_bpm4acY_mean vs Slug



Right In: 0.892+/-0.000 χ^2/NDF : 2413732173.6/16

Left Out: 0.771+/-0.000 χ^2/NDF :15184484.8/11

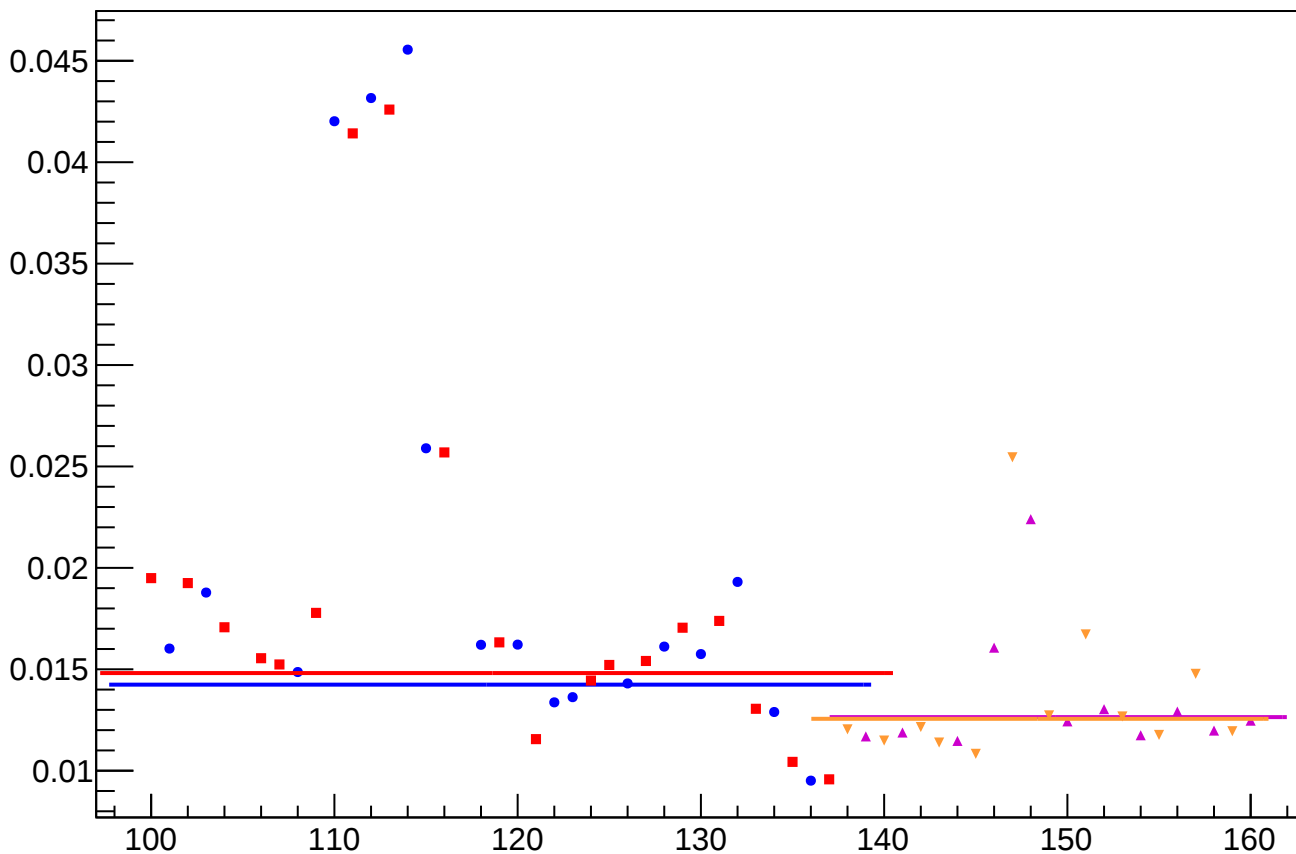
0.812+/-0.000 χ^2/NDF : 2698753383.5/28

Right Out: 0.928+/-0.000 χ^2/NDF : 2437542089.2/18

0.823+/-0.000 χ^2/NDF : 2909899084.7/29

Left In: 0.769+/-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 : 582836.3/11

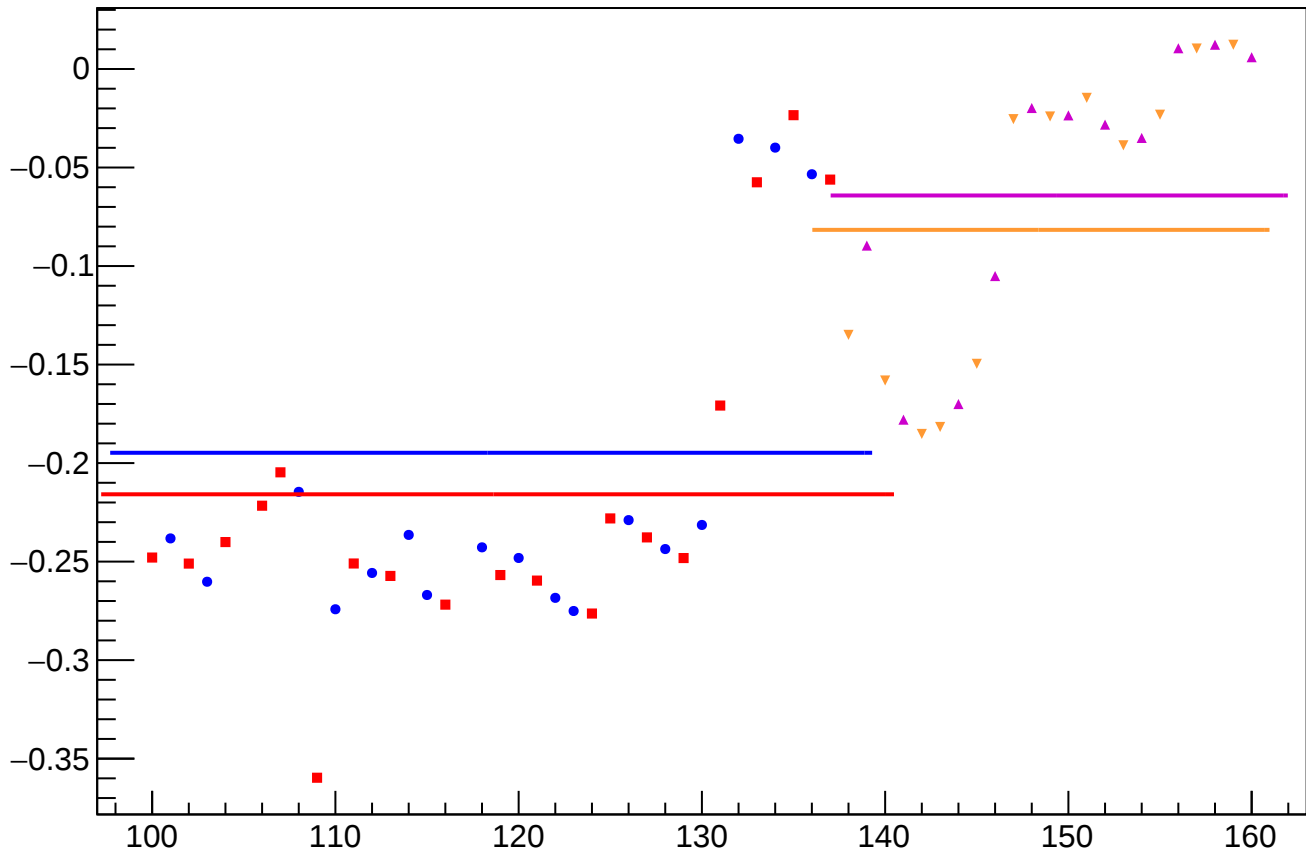
Right Out: 0.015+/-0.000 χ^2/NDF : 1274172.7/18

Left In: 0.013+/-0.000 χ^2/NDF : 404861.7/10

0.013+/-0.000 χ^2/NDF : 2101984.8/28

0.013+/-0.000 χ^2/NDF : 1848954.5/29

yield_bpm4ecX_mean vs Slug



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.082+/-0.000 χ^2/NDF :103484660.5/11

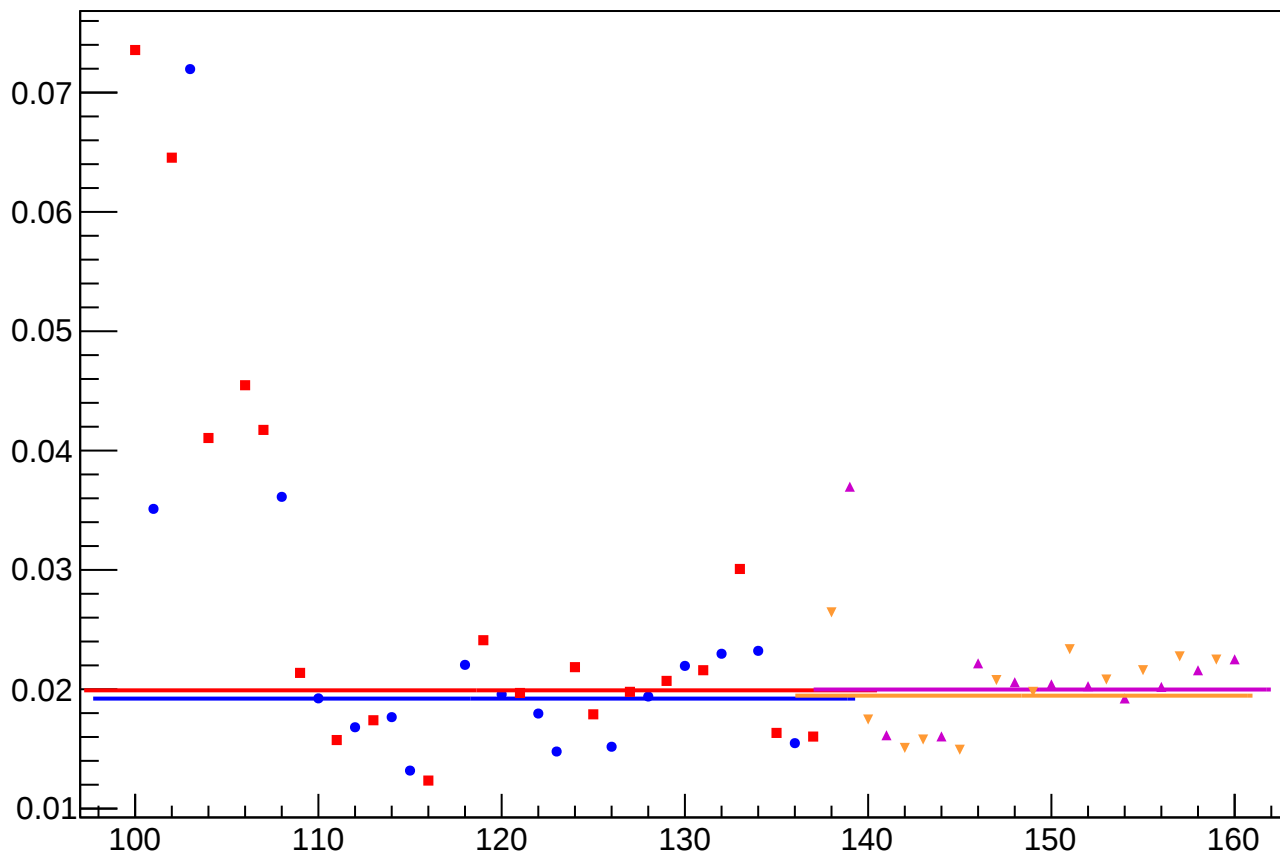
Right Out: -0.216+/-0.000 χ^2/NDF : 111983904.6/18

Left In: -0.064+/-0.000 χ^2/NDF :93329657.9/10

-0.130+/-0.000 χ^2/NDF : 312045970.5/28

-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 : 412533.7/11

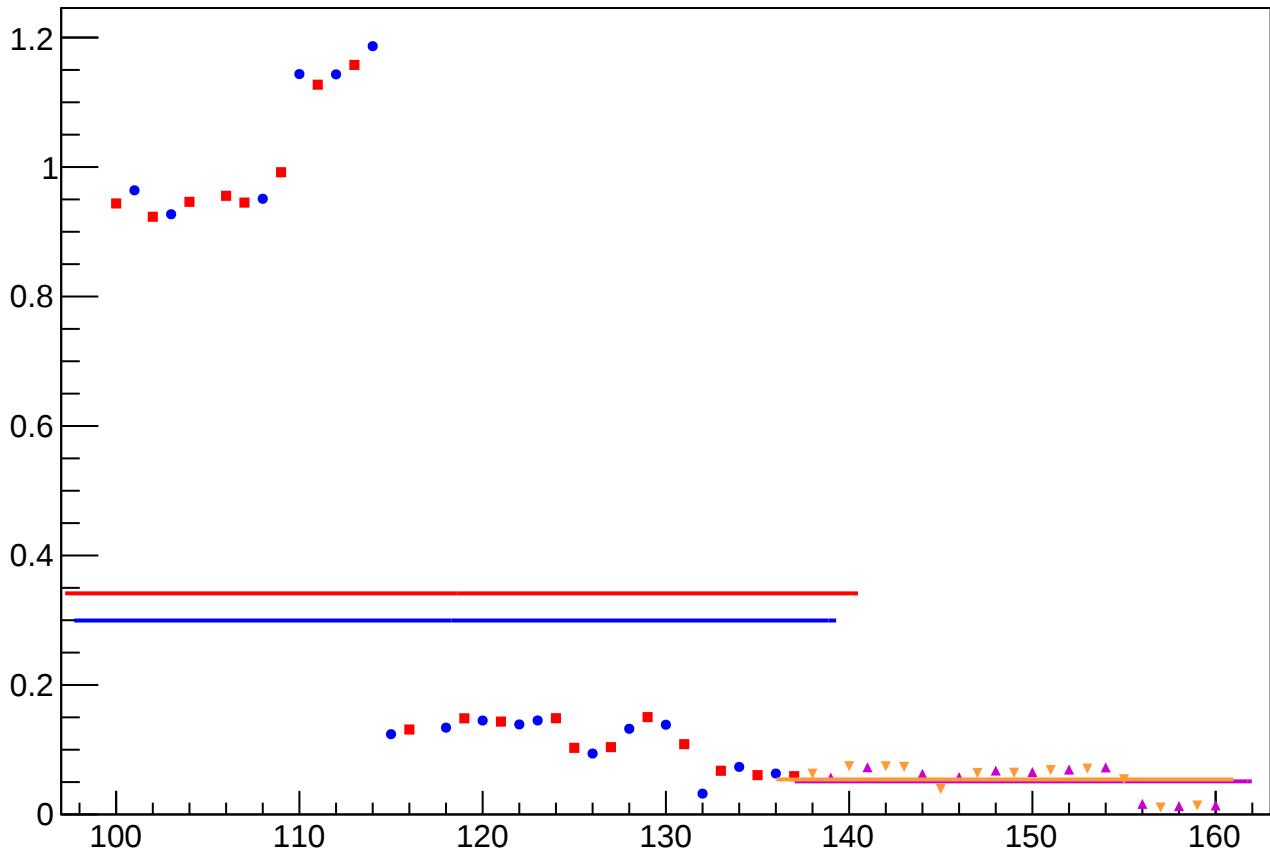
Right Out: 0.020+/-0.000 χ^2/NDF : 1446950.0/18

Left In: 0.020+/-0.000 χ^2/NDF : 469523.0/10

0.019+/-0.000 χ^2/NDF : 1590562.8/28

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 : 34622976.5/11

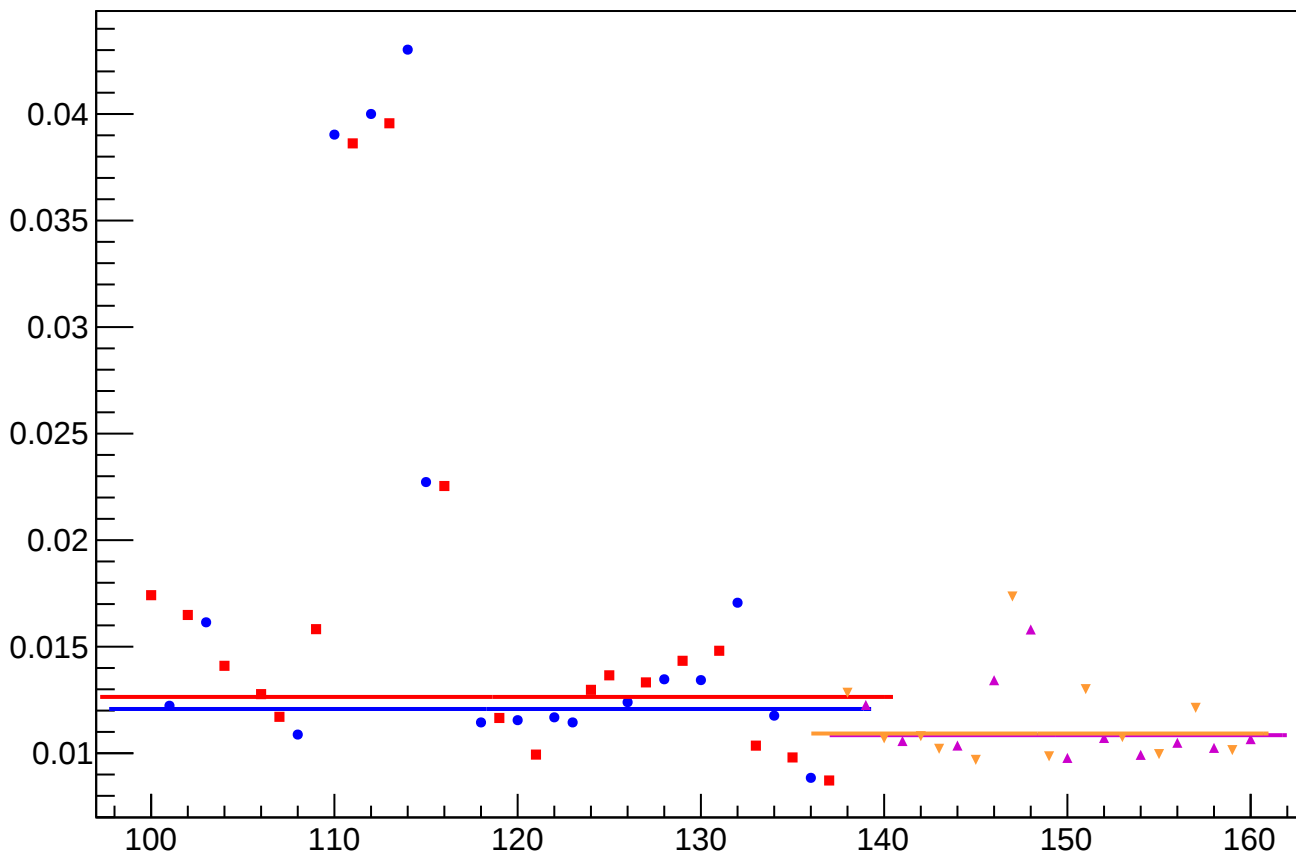
0.141+/-0.000 χ^2/NDF : 6708758569.1/28

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+/-0.000 χ^2/NDF : 1282097.7/16

Left Out: 0.011+/-0.000 χ^2/NDF : 362969.6/11

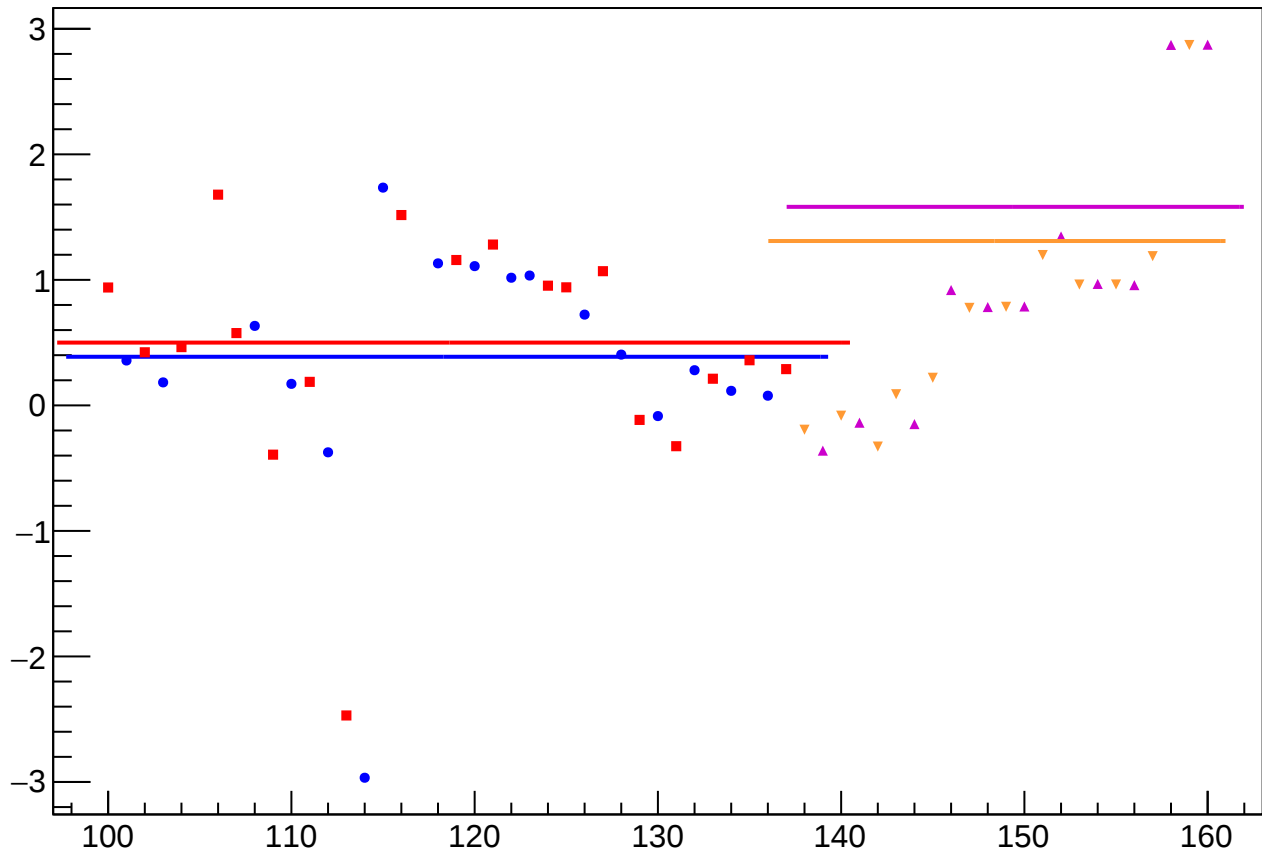
Right Out: 0.013+/-0.000 χ^2/NDF : 1237706.0/18

Left In: 0.011+/-0.000 χ^2/NDF : 272144.3/10

0.011+/-0.000 χ^2/NDF : 1711485.8/28

0.011+/-0.000 χ^2/NDF : 1667304.1/29

yield_bpm1X_mean vs Slug



Right In: 0.387 ± 0.000 χ^2/NDF : 247912593.5/16

Left Out: 1.309 ± 0.000 χ^2/NDF : 11324121107.5/11

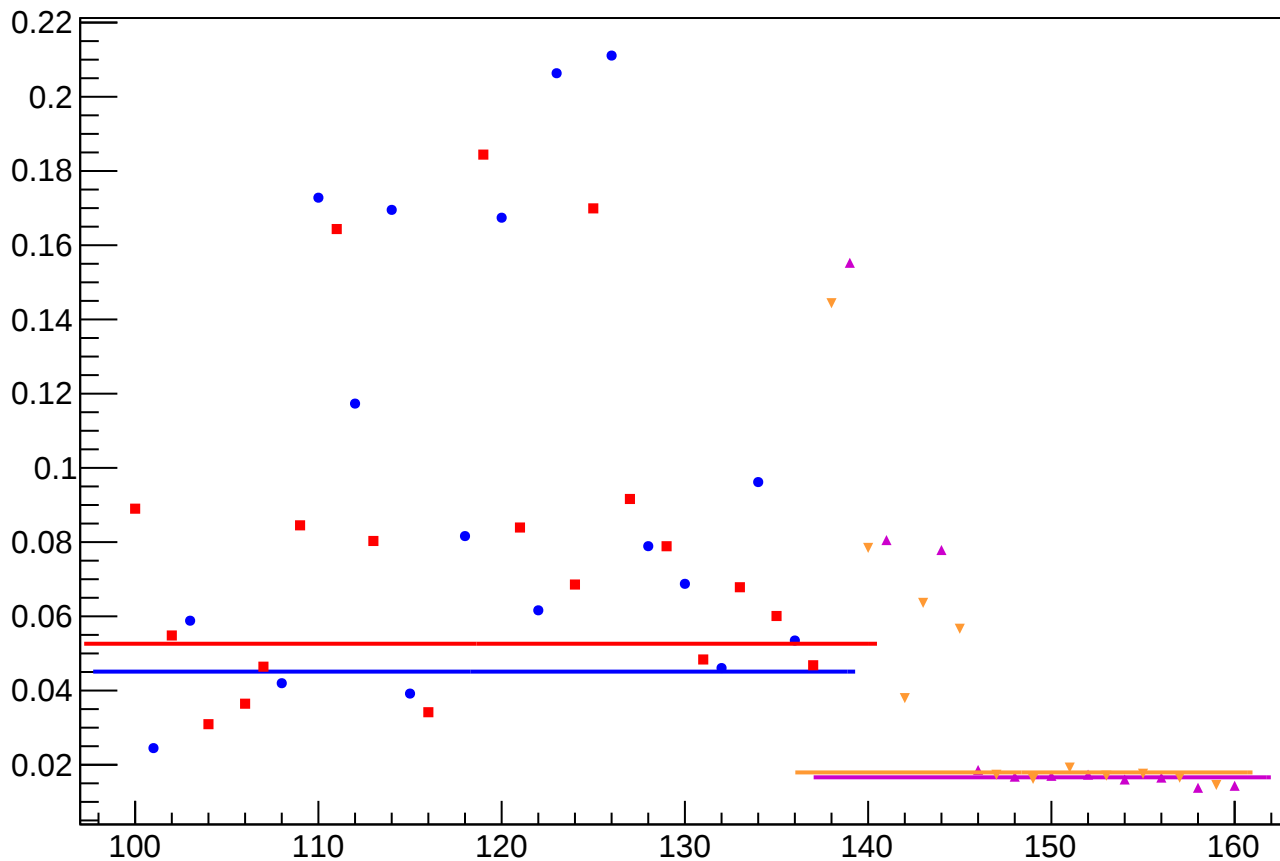
Right Out: 0.500 ± 0.000 χ^2/NDF : 983360928.1/18

Left In: 1.582 ± 0.000 χ^2/NDF : 18813006204.1/10

1.227 ± 0.000 χ^2/NDF : 12926647345.9/28

1.513 ± 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: 0.018+/-0.000 χ^2/NDF : 2656299.0/11

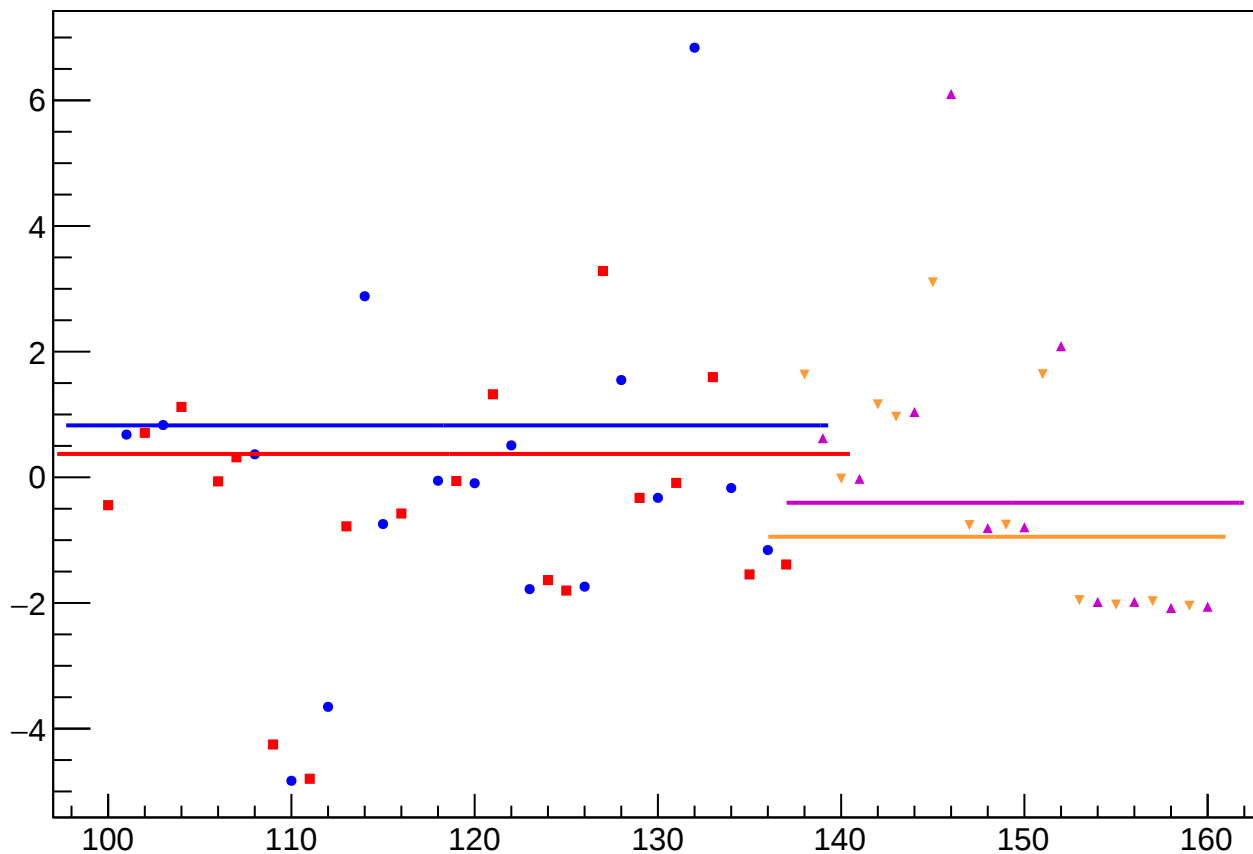
Right Out: 0.053+/-0.000 χ^2/NDF : 2190515.9/18

Left In: 0.017+/-0.000 χ^2/NDF : 2323657.6/10

0.020+/-0.000 χ^2/NDF : 7853575.0/28

0.019+/-0.000 χ^2/NDF : 8135997.4/29

yield_bpm1Y_mean vs Slug



Right In: 0.827 ± 0.000 $\chi^2/\text{NDF}: 10936458870.4/16$

Left Out: -0.946 ± 0.000 $\chi^2/\text{NDF}: 79971206437.2/11$

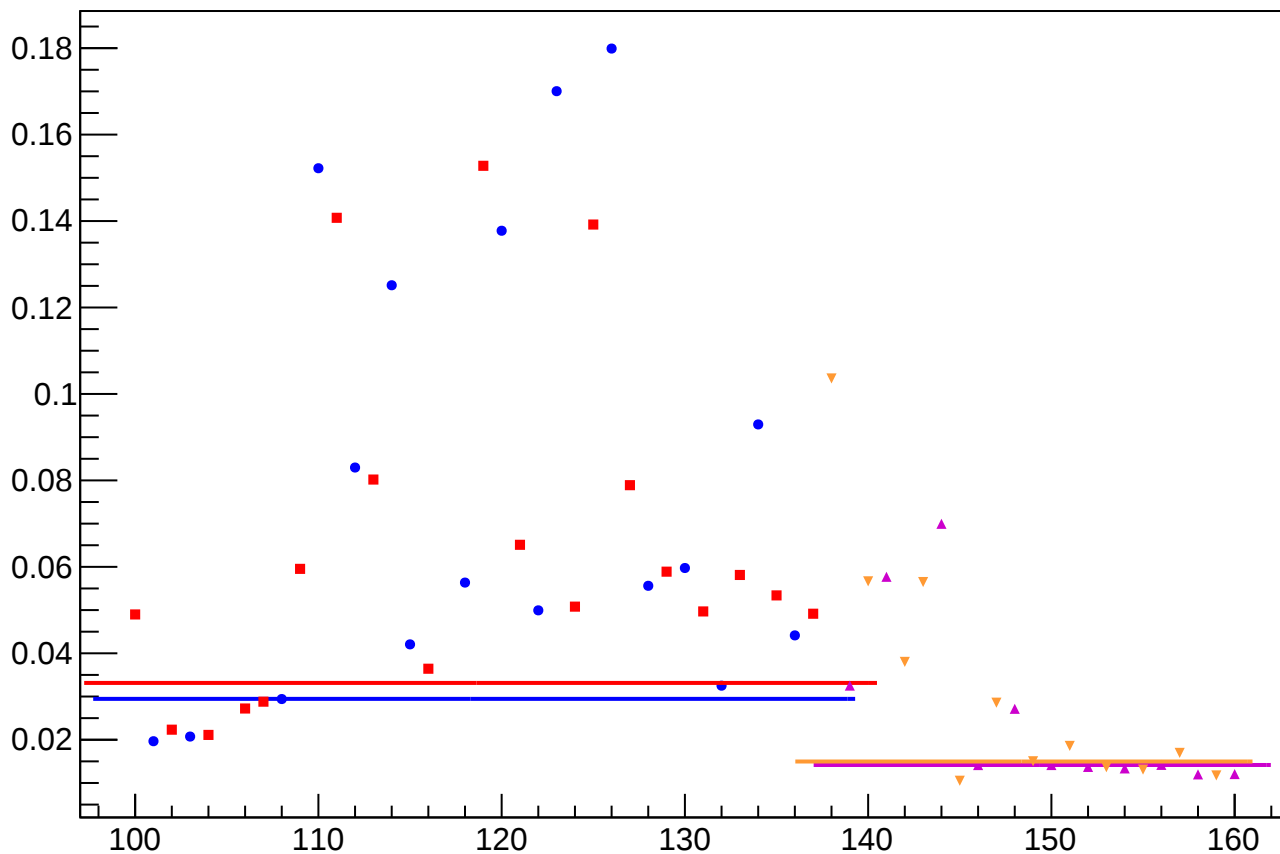
Right Out: 0.372 ± 0.000 $\chi^2/\text{NDF}: 4972900338.2/18$

Left In: -0.405 ± 0.000 $\chi^2/\text{NDF}: 225453922698.5/10$

-0.720 ± 0.000 $\chi^2/\text{NDF}: 101694948749.3/28$

-0.330 ± 0.000 $\chi^2/\text{NDF}: 232335693862.1/29$

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 :2680930.1/11

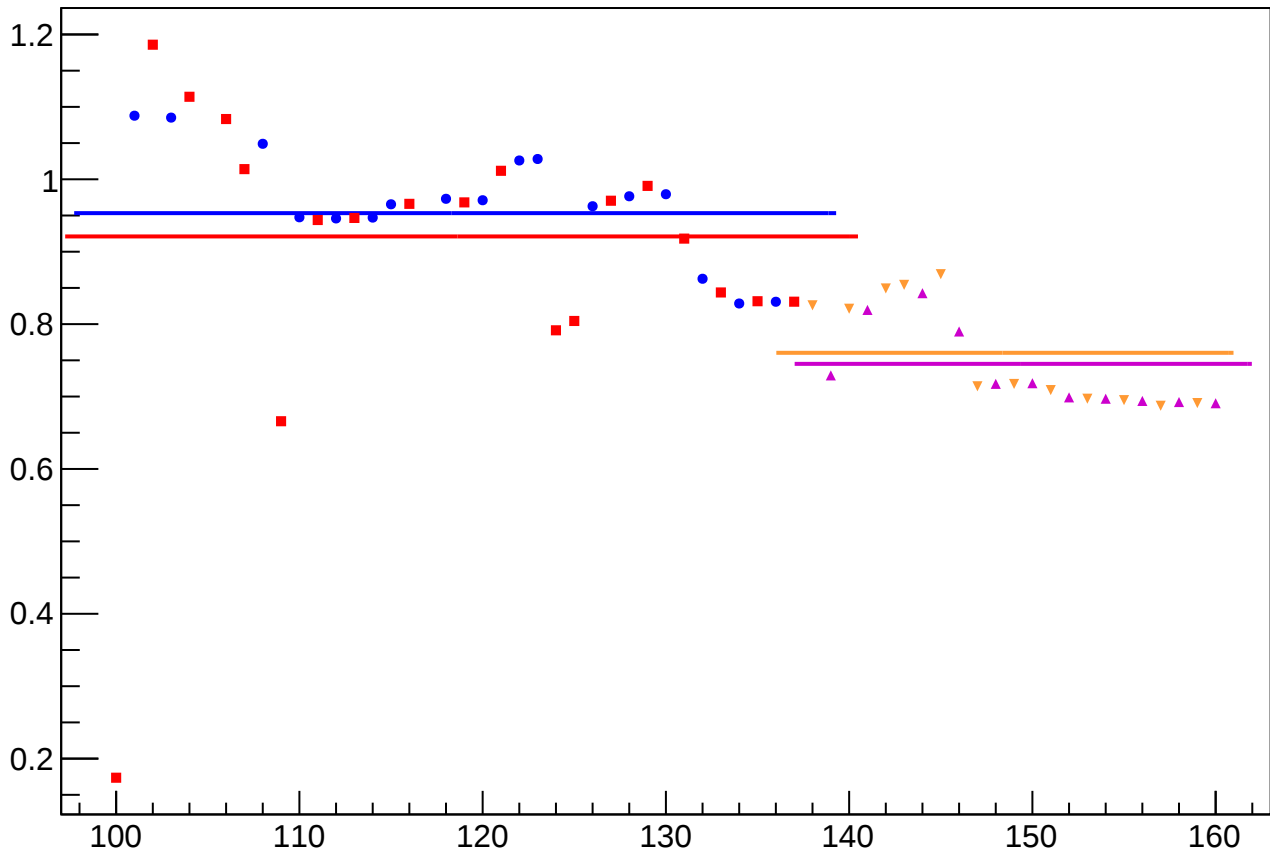
Right Out: 0.033+/-0.000 χ^2/NDF : 3096820.9/18

Left In: 0.014+/-0.000 χ^2/NDF :1810895.7/10

0.017+/-0.000 χ^2/NDF : 7176296.8/28

0.016+/-0.000 χ^2/NDF : 7185964.9/29

yield_bpm11X_mean vs Slug



Right In: 0.953+/-0.000 χ^2/NDF : 175396553.4/16

Left Out: 0.760+/-0.000 χ^2/NDF : 222597222.0/11

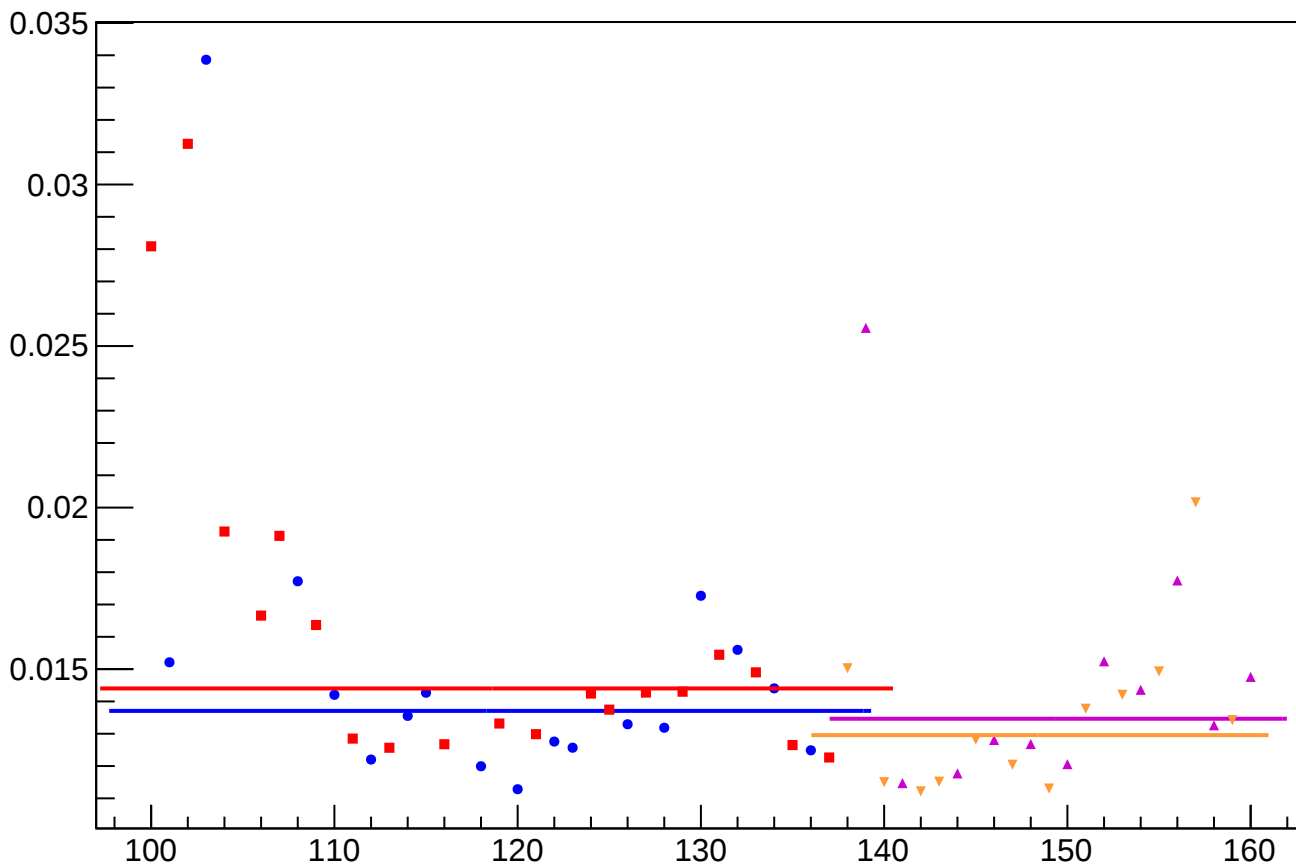
0.839+/-0.000 χ^2/NDF : 1082697741.8/28

Right Out: 0.921+/-0.000 χ^2/NDF : 374221279.1/18

0.816+/-0.000 χ^2/NDF : 1056792381.2/29

Left In: 0.745+/-0.000 χ^2/NDF : 141927971.1/10

yield_bpm11X_rms vs Slug



Right In: 0.014 ± 0.000 $\chi^2/\text{NDF}: 546317.6/16$

Left Out: 0.013 ± 0.000 $\chi^2/\text{NDF}: 313127.8/11$

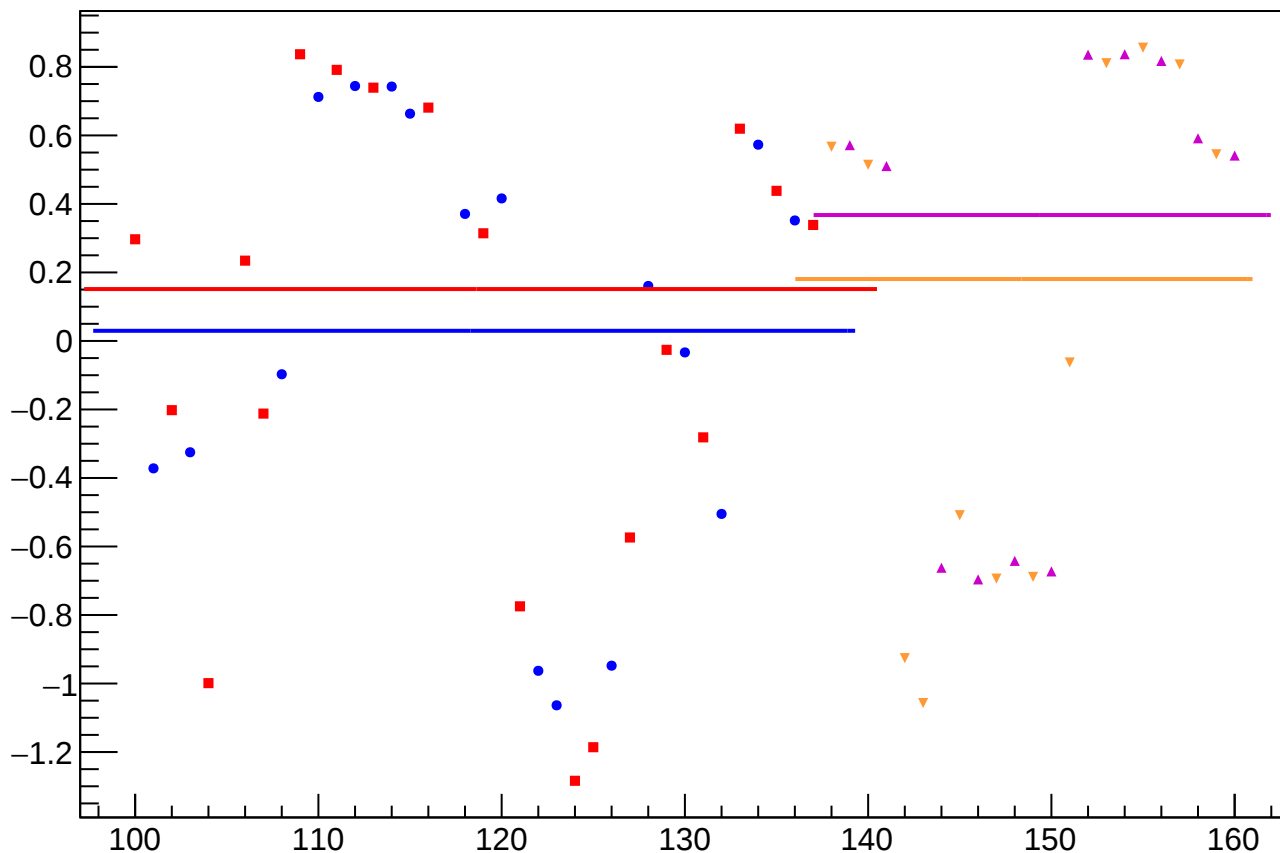
Right Out: 0.014 ± 0.000 $\chi^2/\text{NDF}: 501768.8/18$

Left In: 0.013 ± 0.000 $\chi^2/\text{NDF}: 516678.1/10$

0.013 ± 0.000 $\chi^2/\text{NDF}: 880206.8/28$

0.014 ± 0.000 $\chi^2/\text{NDF}: 1049123.9/29$

yield_bpm11Y_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 6294824795.0/16

Left Out: 0.181 $\pm$ 0.000 χ^2 /NDF: 23127901565.3/11

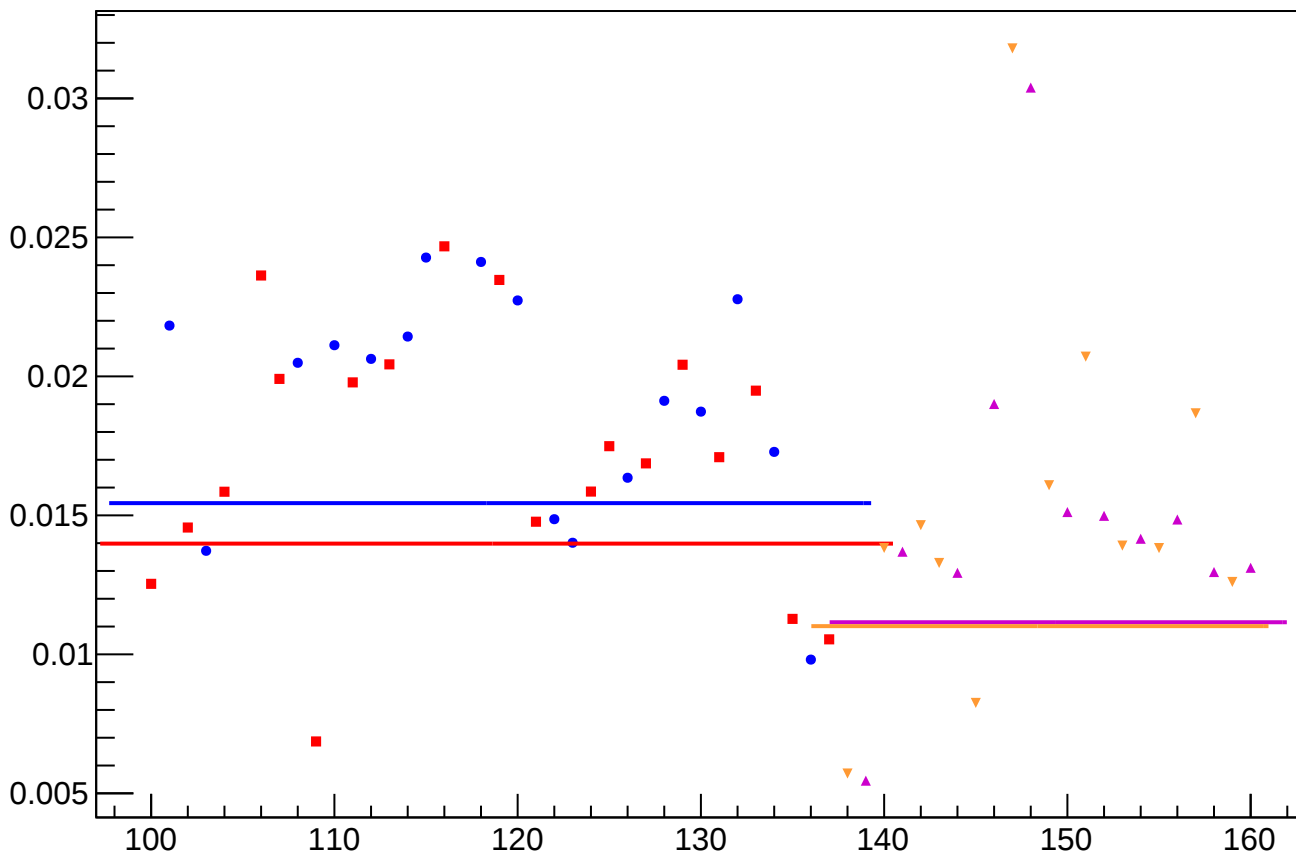
Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12661812059.7/18

Left In: 0.368 $\pm$ 0.000 χ^2 /NDF: 16013046410.9/10

0.136 $\pm$ 0.000 χ^2 /NDF: 29805417366.1/28

0.295 $\pm$ 0.000 χ^2 /NDF: 29565416284.5/29

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 : 2806679.7/11

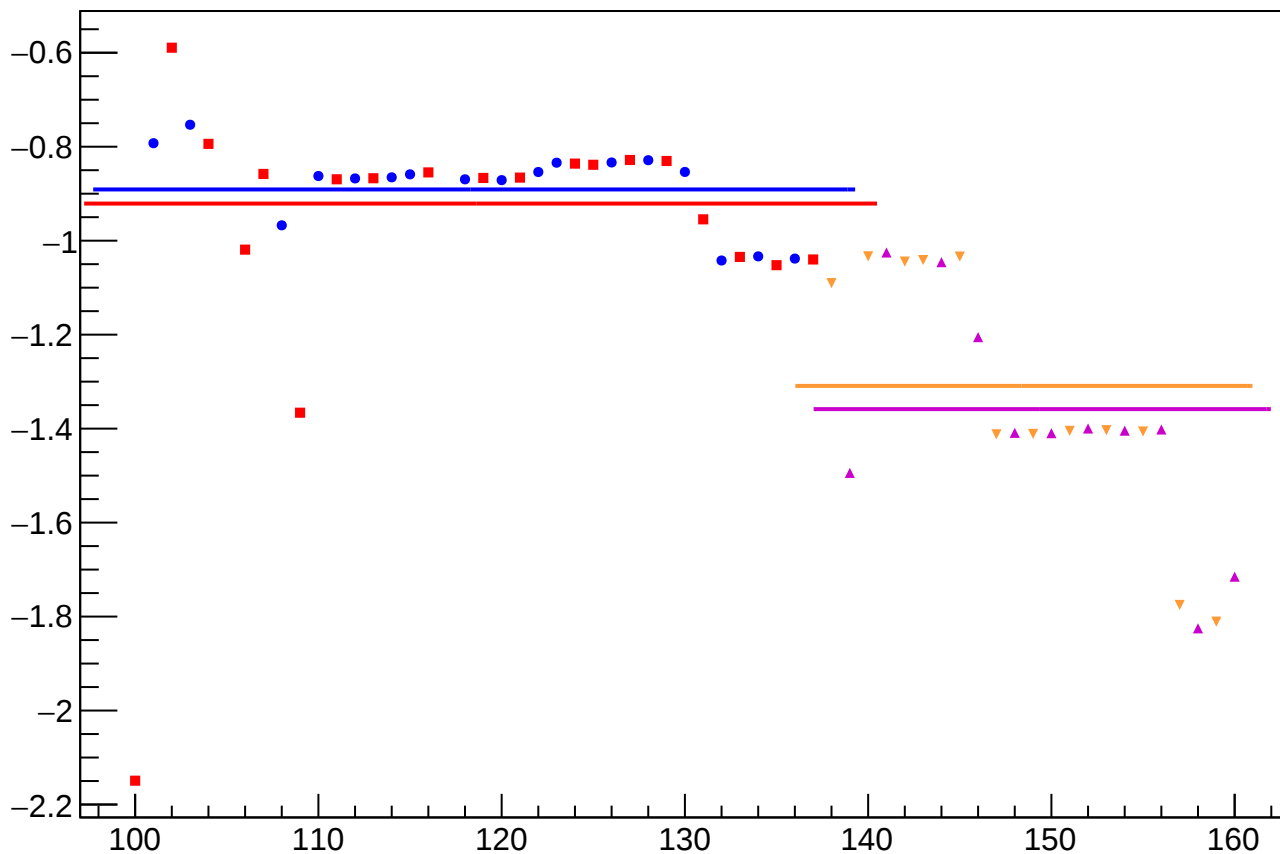
Right Out: 0.014+/-0.000 χ^2/NDF : 1560788.2/18

Left In: 0.011+/-0.000 χ^2/NDF : 2765593.6/10

0.012+/-0.000 χ^2/NDF : 4624731.5/28

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: -1.309 ± 0.000 χ^2/NDF : 434721998.2/11

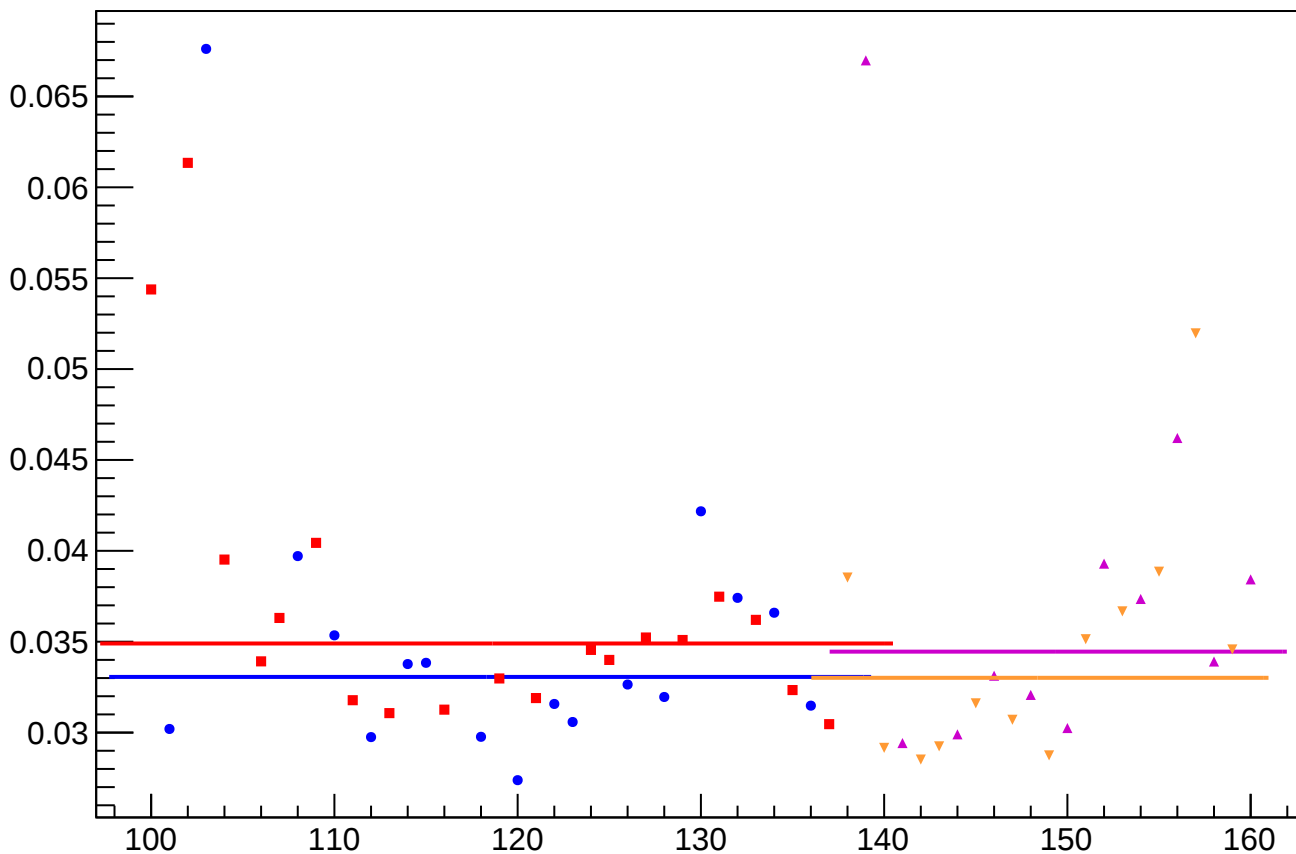
Right Out: -0.921 ± 0.000 χ^2/NDF : 131183059.9/18

Left In: -1.358 ± 0.000 χ^2/NDF : 400649057.9/10

-1.126 ± 0.000 χ^2/NDF : 1003145767.4/28

-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 : 337454.3/11

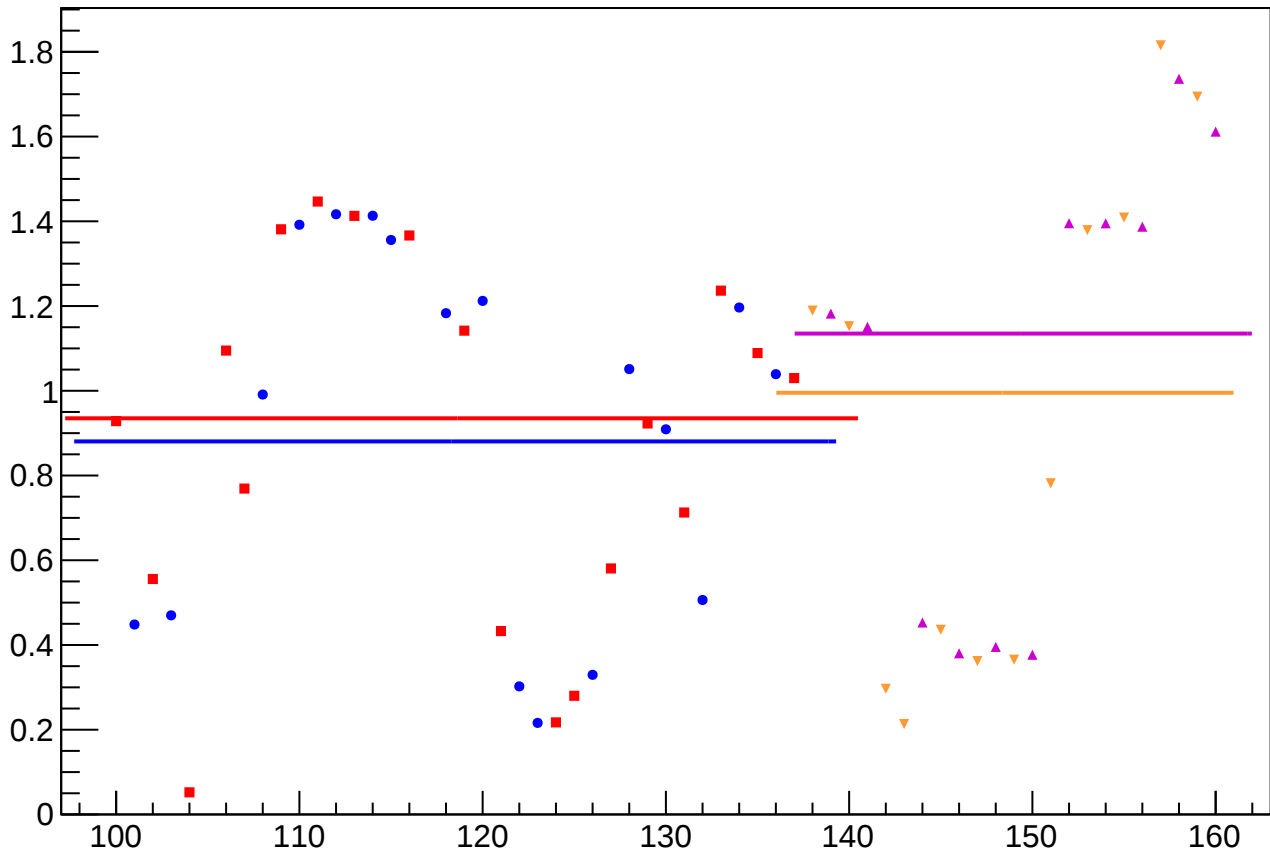
Right Out: 0.035+/-0.000 χ^2/NDF : 274270.8/18

Left In: 0.034+/-0.000 χ^2/NDF : 561885.6/10

0.033+/-0.000 χ^2/NDF : 746755.5/28

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: 0.995 ± 0.000 χ^2/NDF : 27782343770.1/11

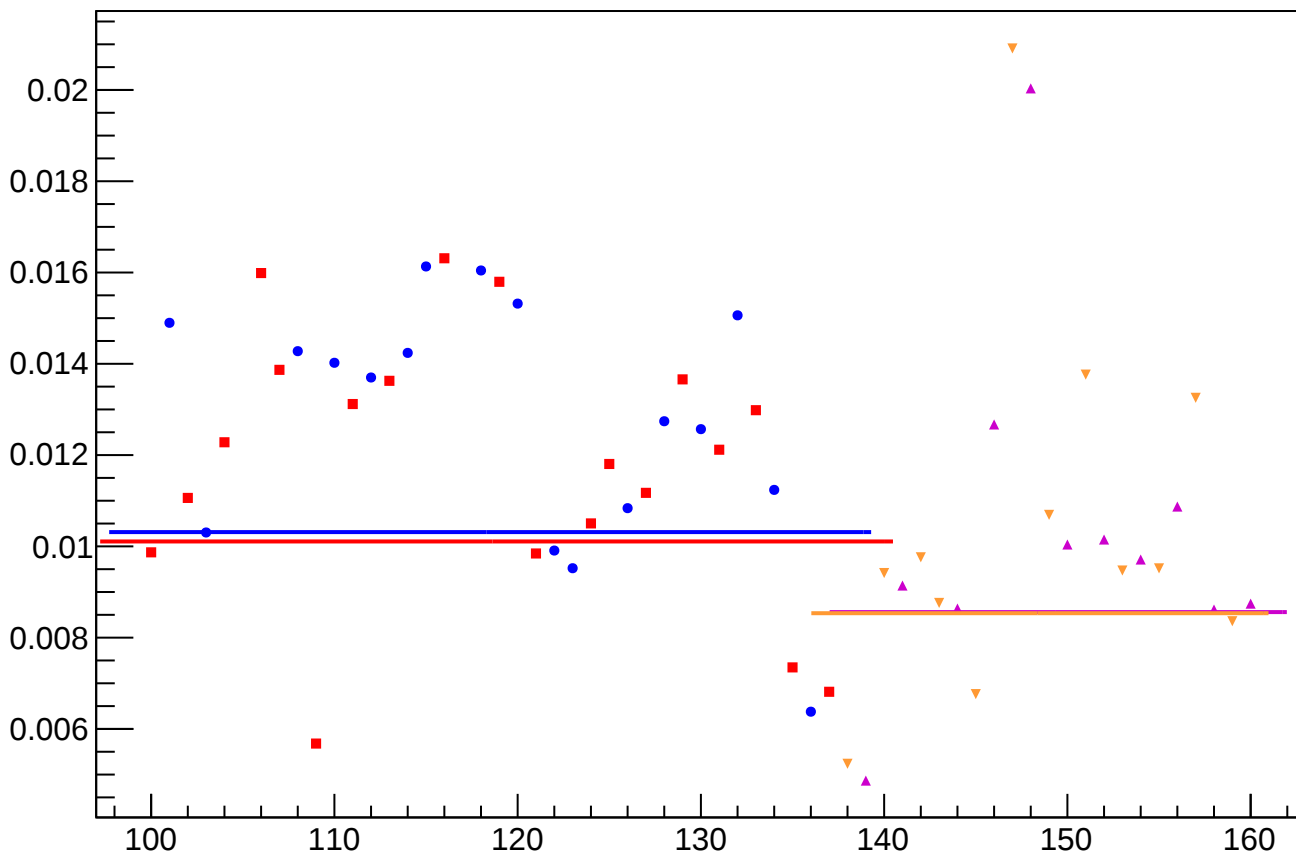
Right Out: 0.935 ± 0.000 χ^2/NDF : 9833525935.6/18

Left In: 1.135 ± 0.000 χ^2/NDF : 21400434067.8/10

0.957 ± 0.000 χ^2/NDF : 34645341185.0/28

1.065 ± 0.000 χ^2/NDF : 32719291229.8/29

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 1231066.2/16

Left Out: 0.009+/-0.000 χ^2/NDF : 1652426.3/11

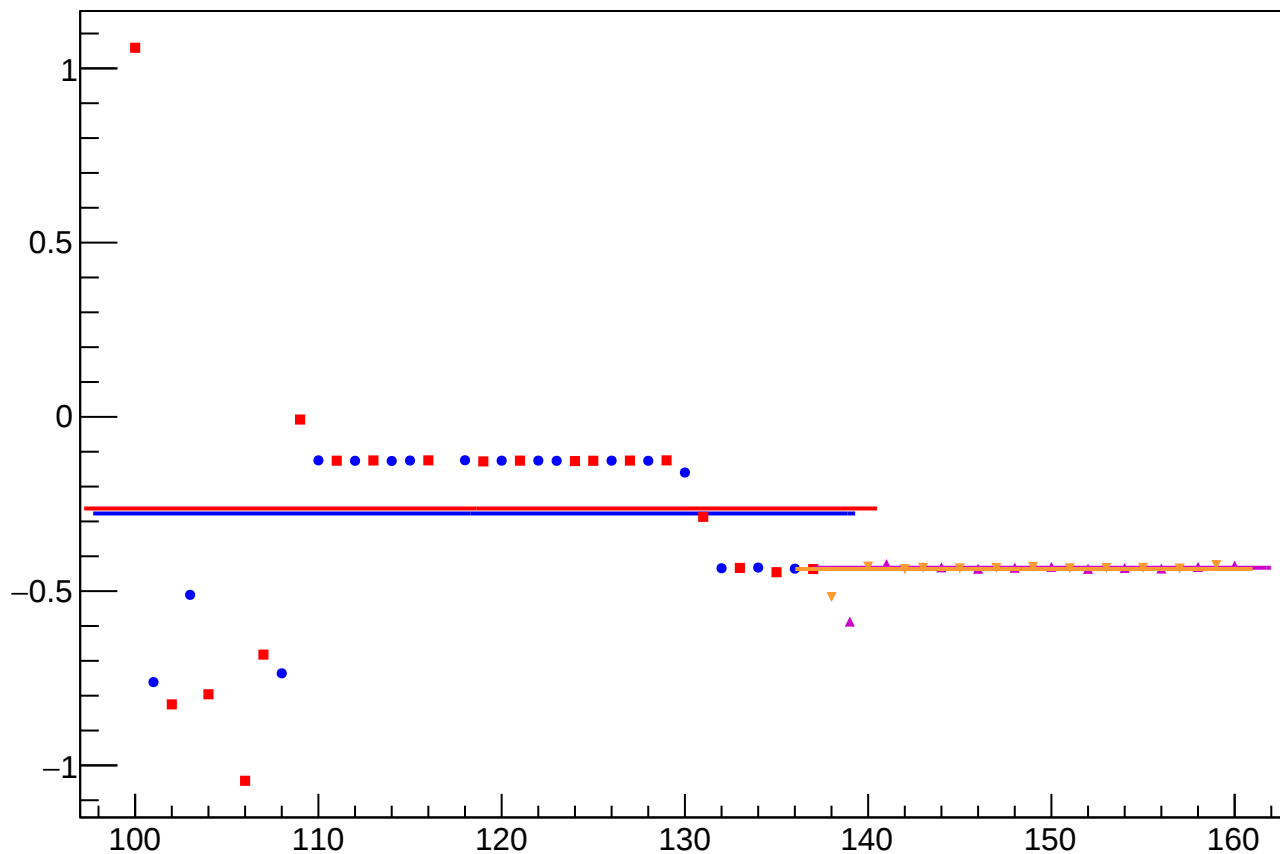
Right Out: 0.010+/-0.000 χ^2/NDF : 1178489.1/18

Left In: 0.009+/-0.000 χ^2/NDF : 1553774.8/10

0.009+/-0.000 χ^2/NDF : 3105326.8/28

0.009+/-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: -0.436 ± 0.000 χ^2/NDF : 25403158.5/11

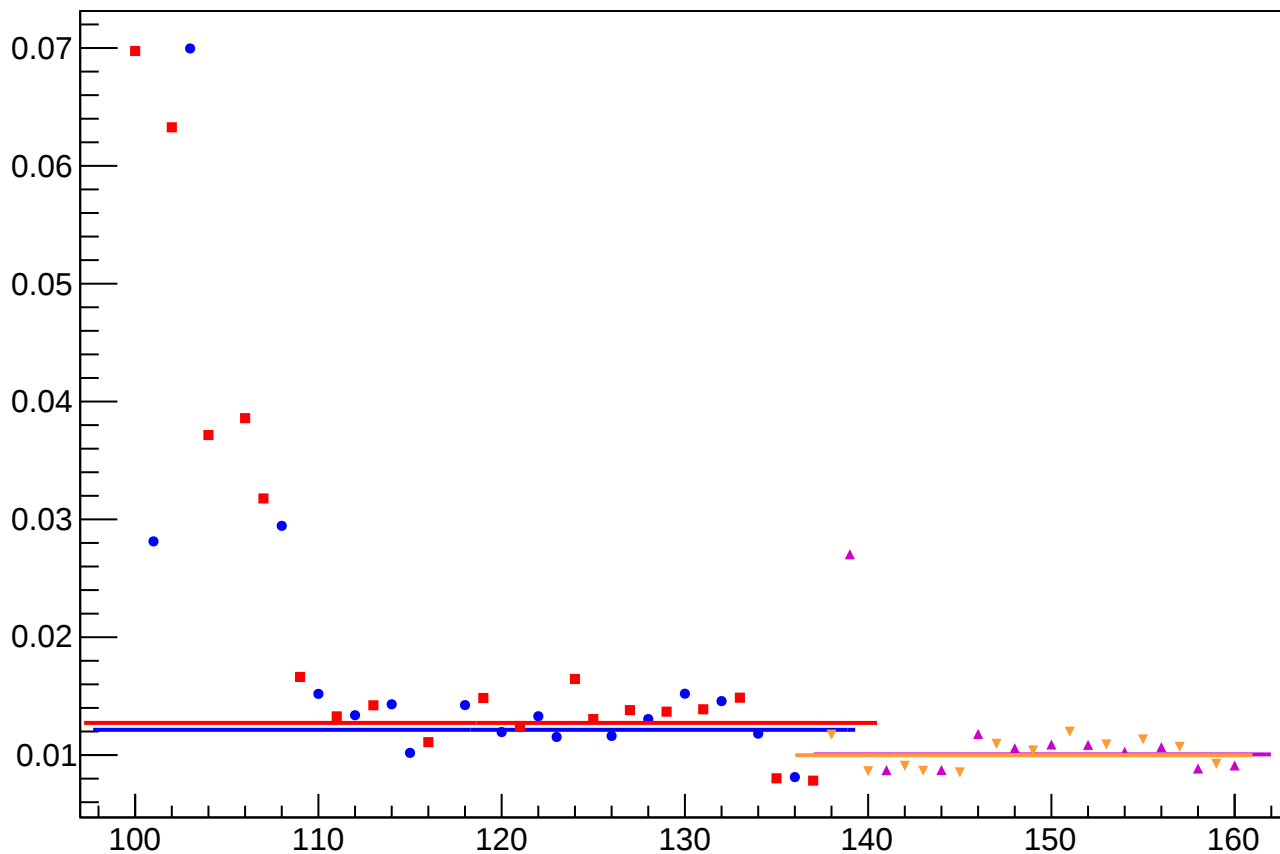
Right Out: -0.263 ± 0.000 χ^2/NDF : 1008398102.0/18

Left In: -0.433 ± 0.000 χ^2/NDF : 23176455.7/10

-0.388 ± 0.000 χ^2/NDF : 1529581712.3/28

-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 : 210191.3/11

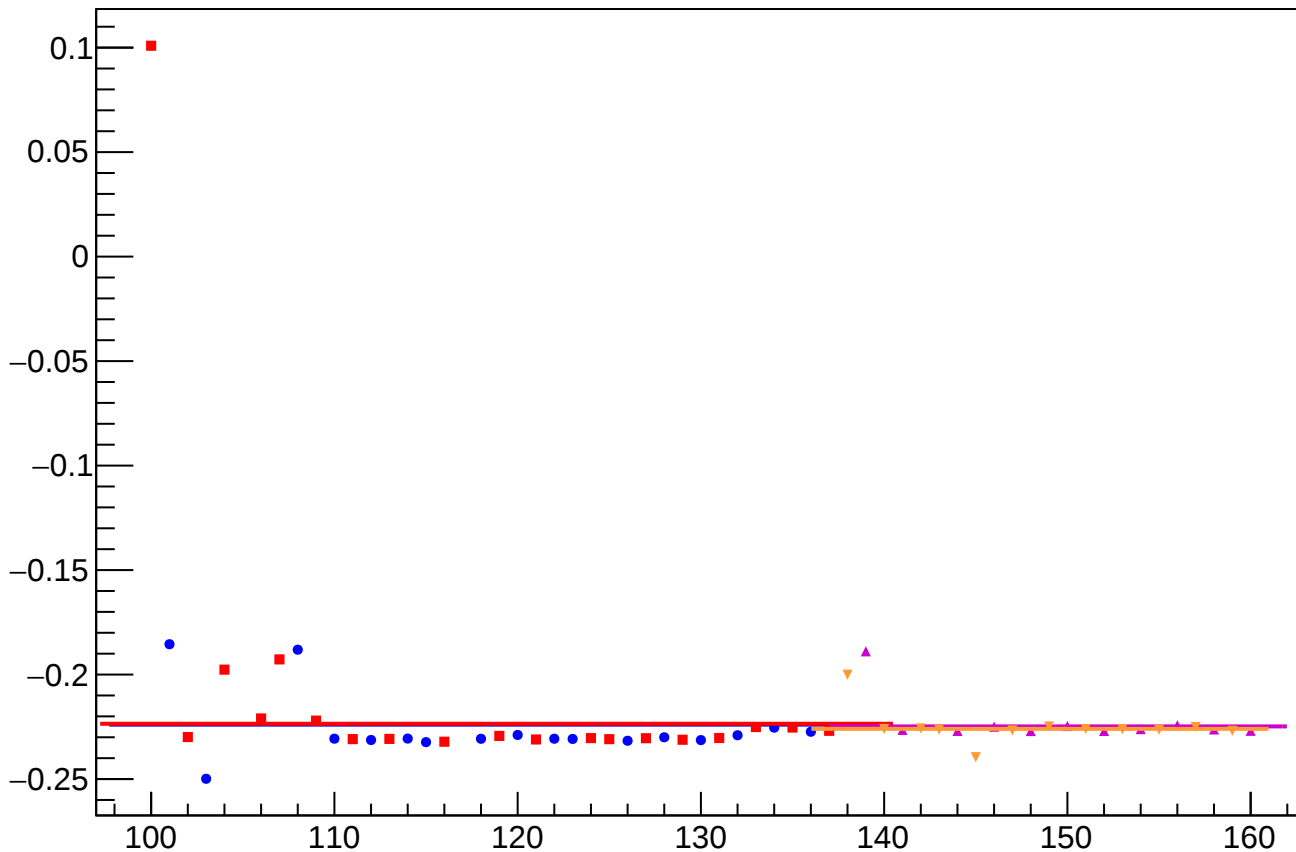
Right Out: 0.013+/-0.000 χ^2/NDF : 1969165.0/18

Left In: 0.010+/-0.000 χ^2/NDF : 679652.4/10

0.011+/-0.000 χ^2/NDF : 2143570.8/28

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 : 20563288.2/11

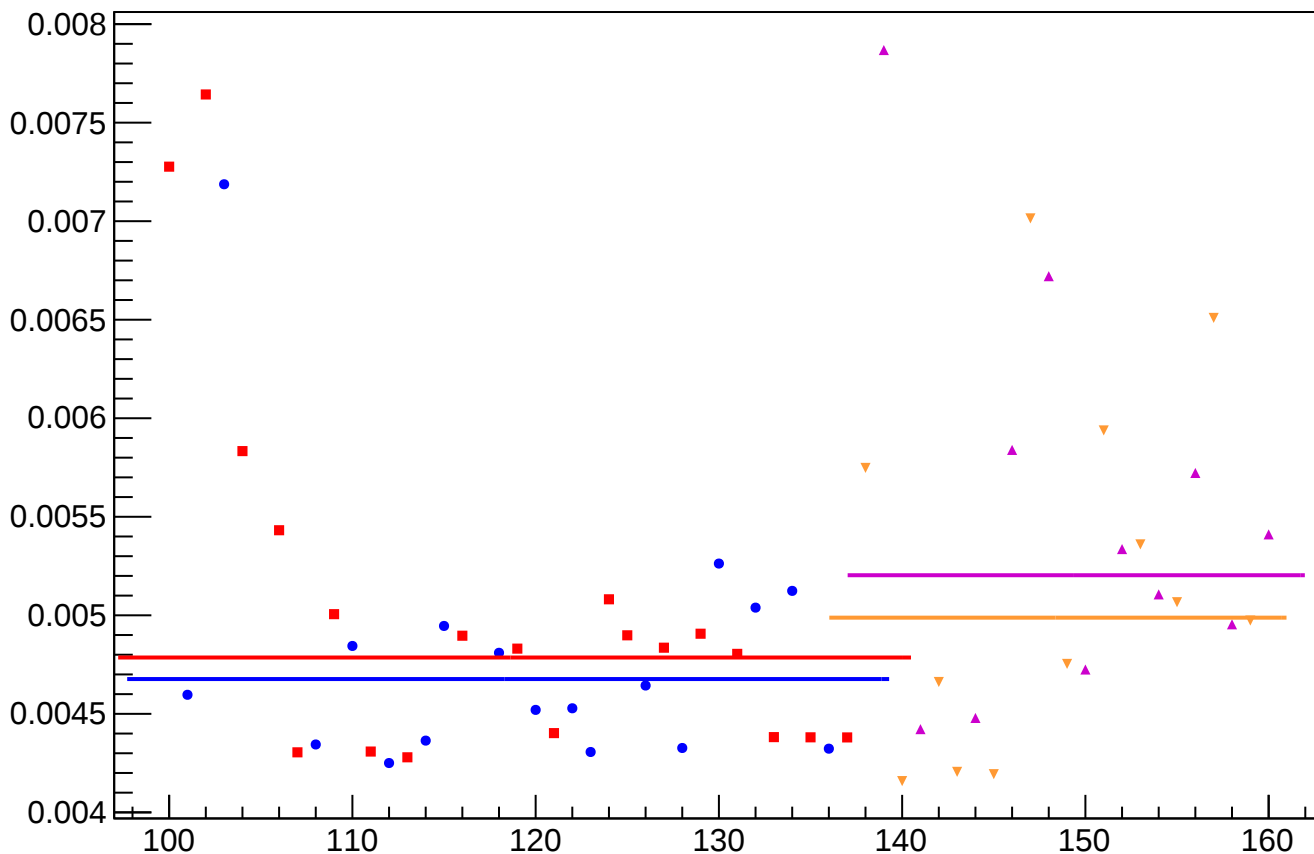
-0.225+/-0.000 χ^2/NDF : 95880632.1/28

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 : 424101.4/11

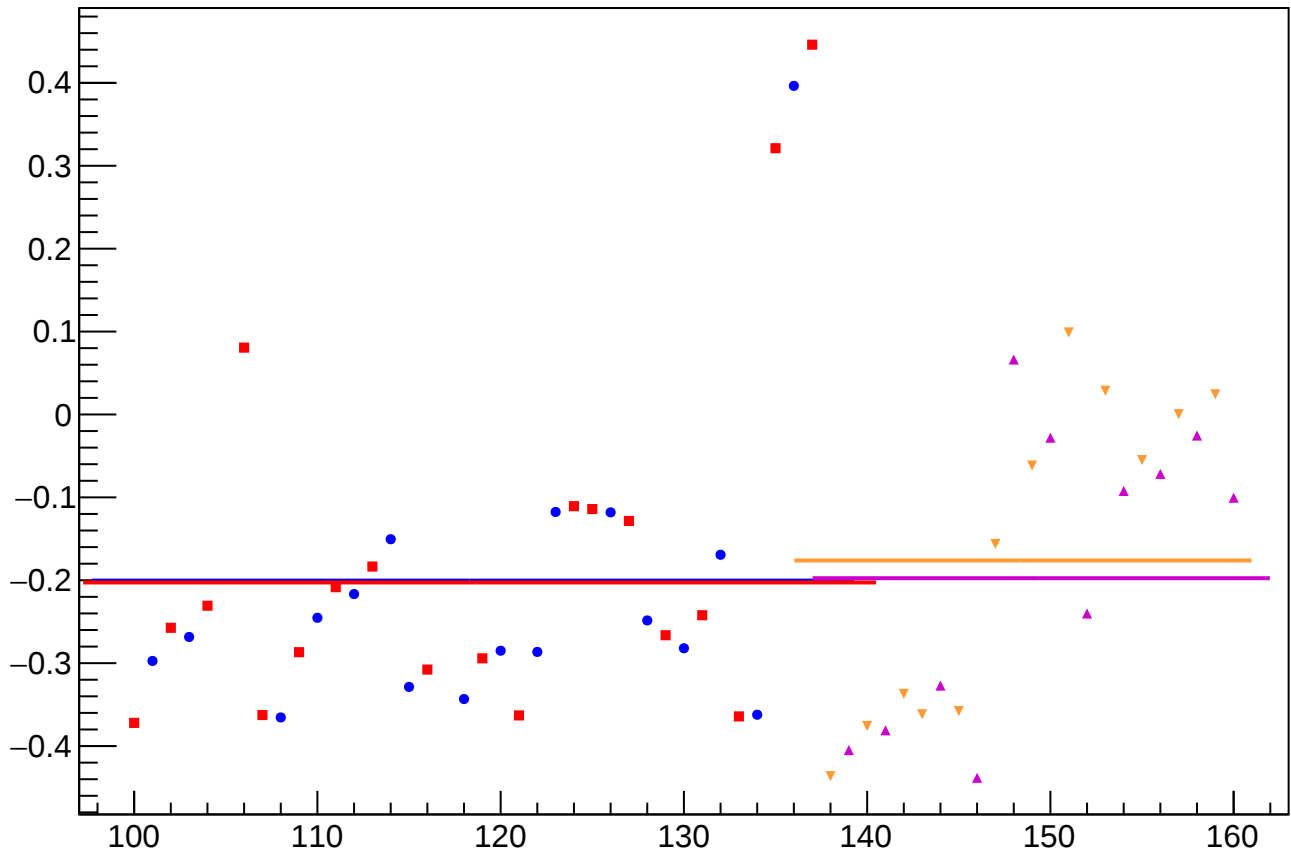
Right Out: 0.005+/-0.000 χ^2/NDF : 248196.8/18

Left In: 0.005+/-0.000 χ^2/NDF : 368674.8/10

0.005+/-0.000 χ^2/NDF : 634480.1/28

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: -0.176 ± 0.000 χ^2/NDF : 10352343758.2/11

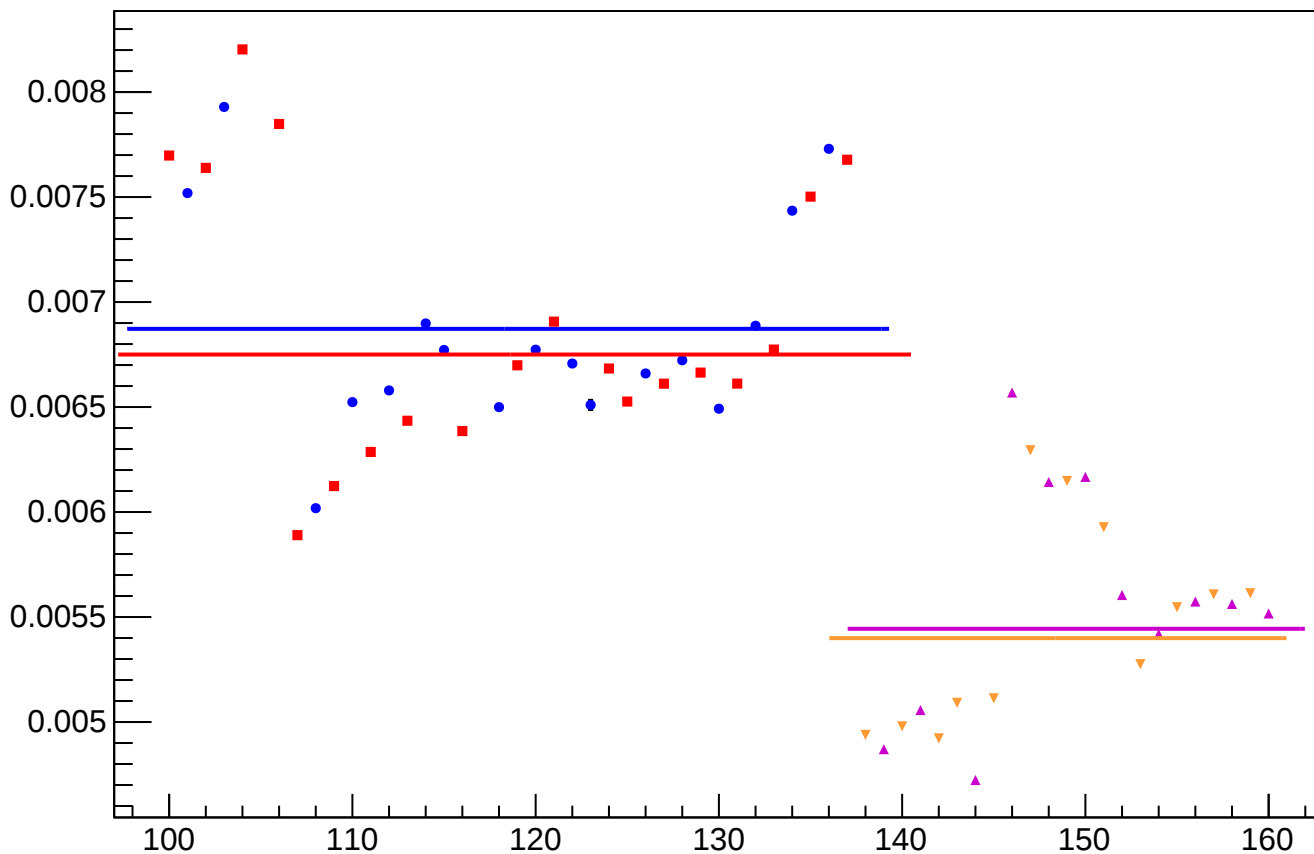
Right Out: -0.203 ± 0.000 χ^2/NDF : 5028268807.1/18

Left In: -0.198 ± 0.000 χ^2/NDF : 7283532919.0/10

-0.184 ± 0.000 χ^2/NDF : 16381173247.2/28

-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 :104534.2/11

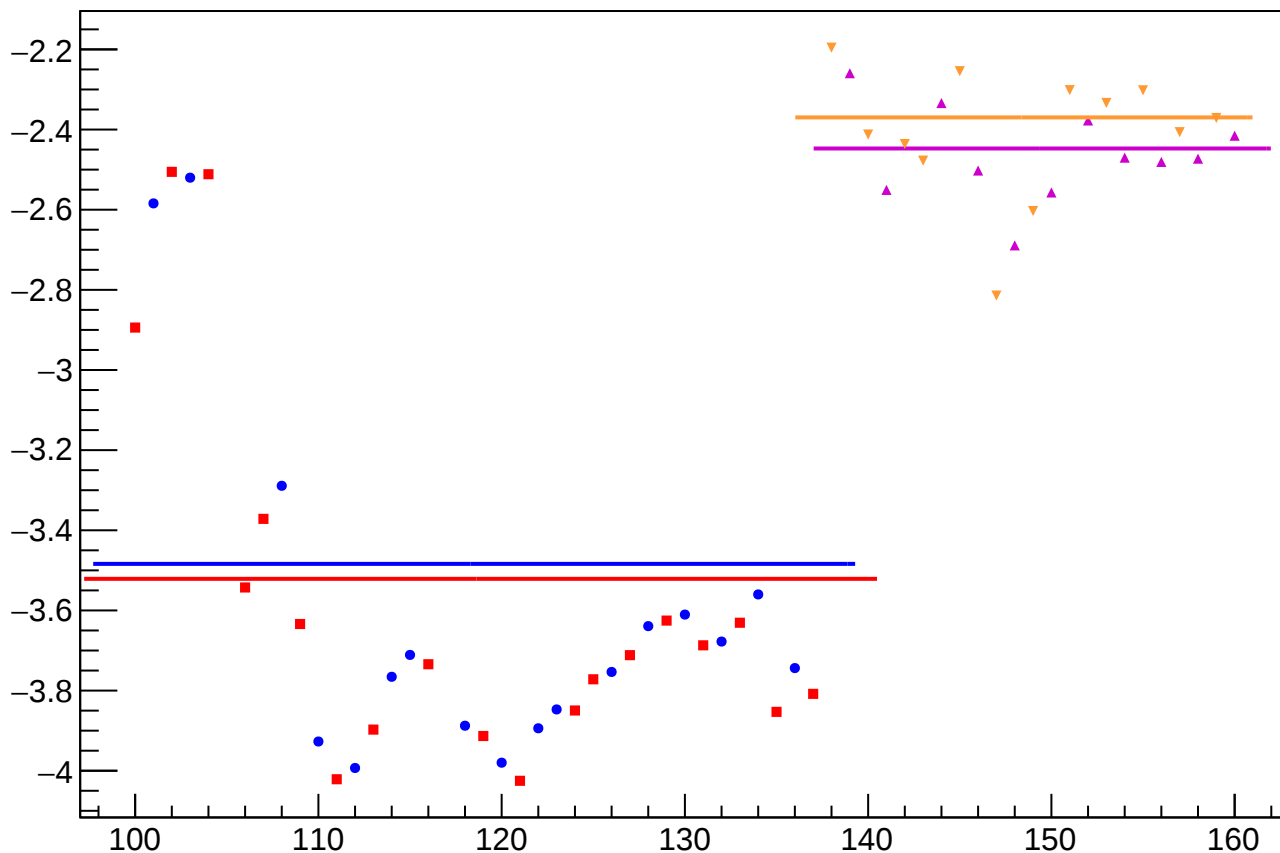
Right Out: 0.007+/-0.000 χ^2/NDF : 105124.4/18

Left In: 0.005+/-0.000 χ^2/NDF :143884.8/10

0.006+/-0.000 χ^2/NDF : 587885.7/28

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: -2.370+/-0.000 χ^2/NDF :1479214183.8/11

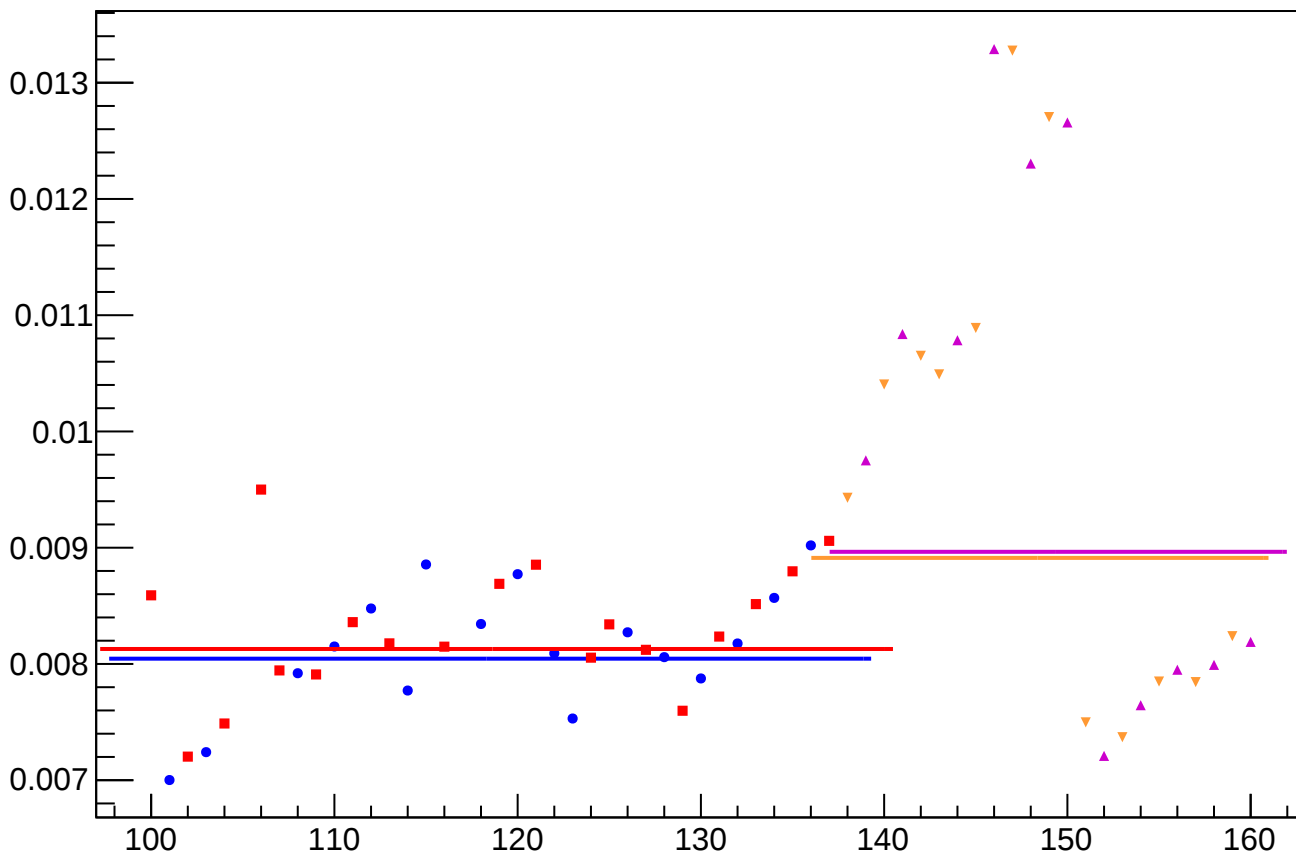
Right Out: -3.521+/-0.000 χ^2/NDF : 26472007419.8/18

Left In: -2.447+/-0.000 χ^2/NDF :862081929.1/10

-2.926+/-0.000 χ^2/NDF : 91142252006.2/28

-2.992+/-0.000 χ^2/NDF : 85586644384.2/29

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 : 566253.2/11

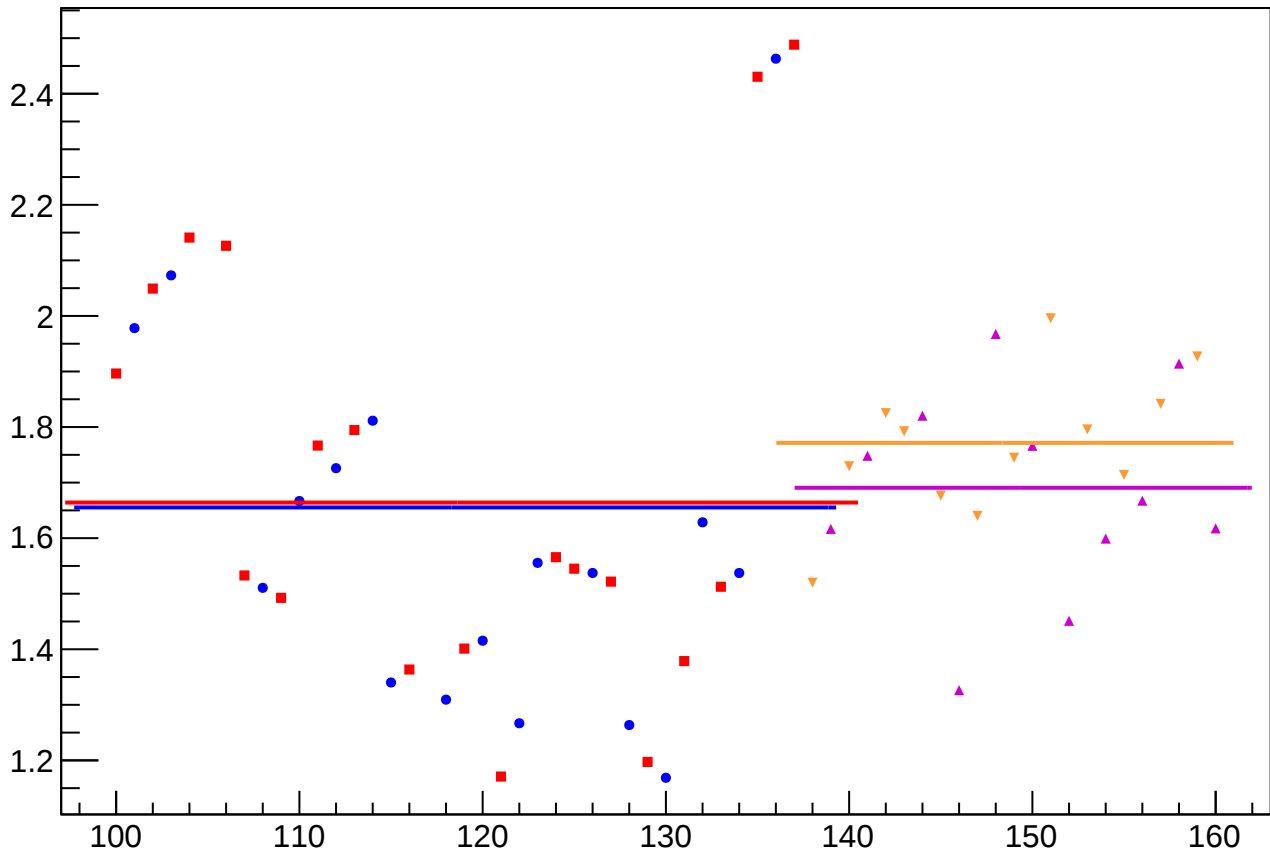
Right Out: 0.008+/-0.000 χ^2/NDF : 57478.2/18

Left In: 0.009+/-0.000 χ^2/NDF : 667068.5/10

0.008+/-0.000 χ^2/NDF : 713913.7/28

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: 1.772+/-0.000 χ^2/NDF :1113308938.5/11

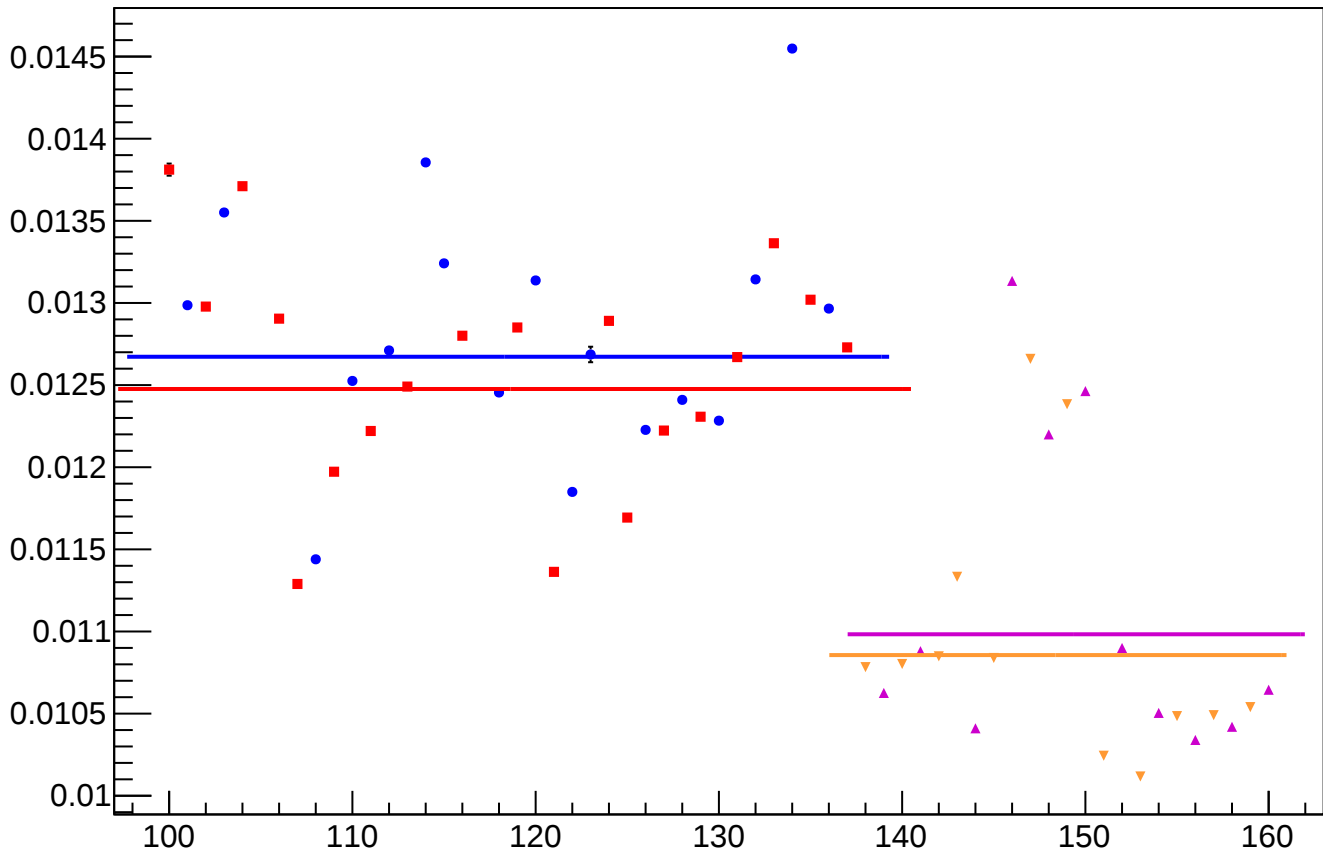
1.729+/-0.000 χ^2/NDF : 7941737899.1/28

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 : 72471.0/11

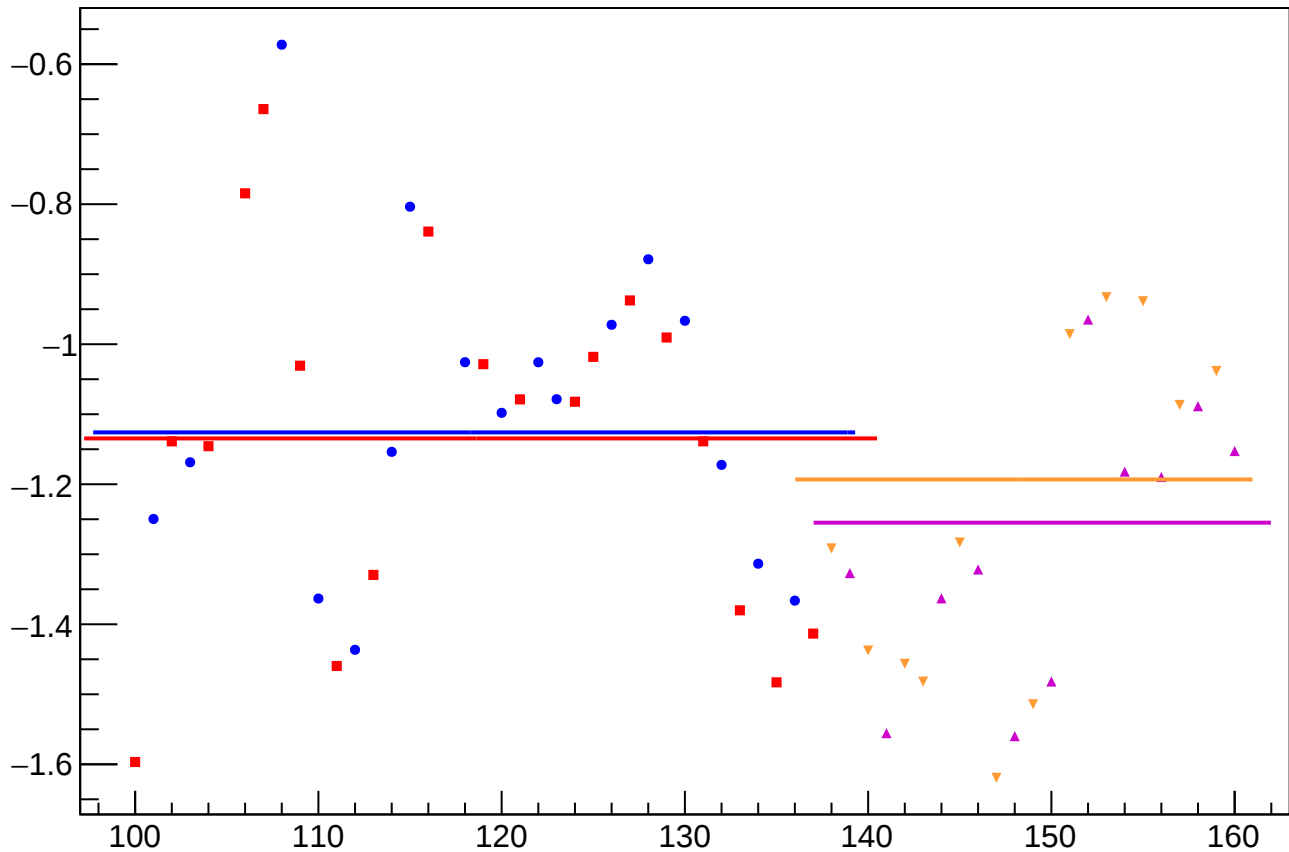
Right Out: 0.012+/-0.000 χ^2/NDF : 39134.8/18

Left In: 0.011+/-0.000 χ^2/NDF : 96278.8/10

0.012+/-0.000 χ^2/NDF : 275999.0/28

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: -1.193+/-0.000 χ^2/NDF : 6419589129.5/11

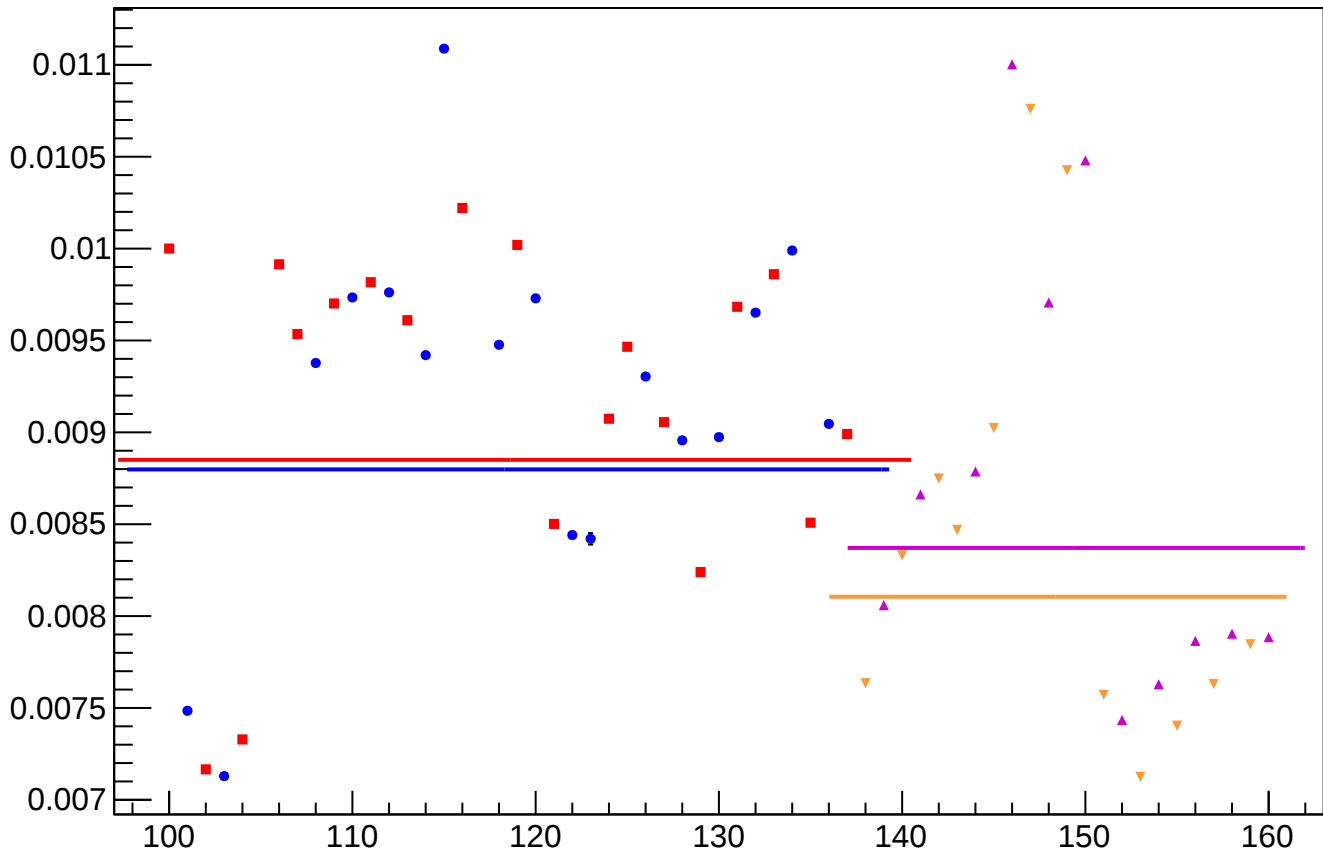
-1.166+/-0.000 χ^2/NDF : 10216531509.9/28

Right Out: -1.135+/-0.000 χ^2/NDF : 3677461023.4/18

-1.204+/-0.000 χ^2/NDF : 8381660569.6/29

Left In: -1.255+/-0.000 χ^2/NDF : 3995967958.1/10

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 : 224911.2/11

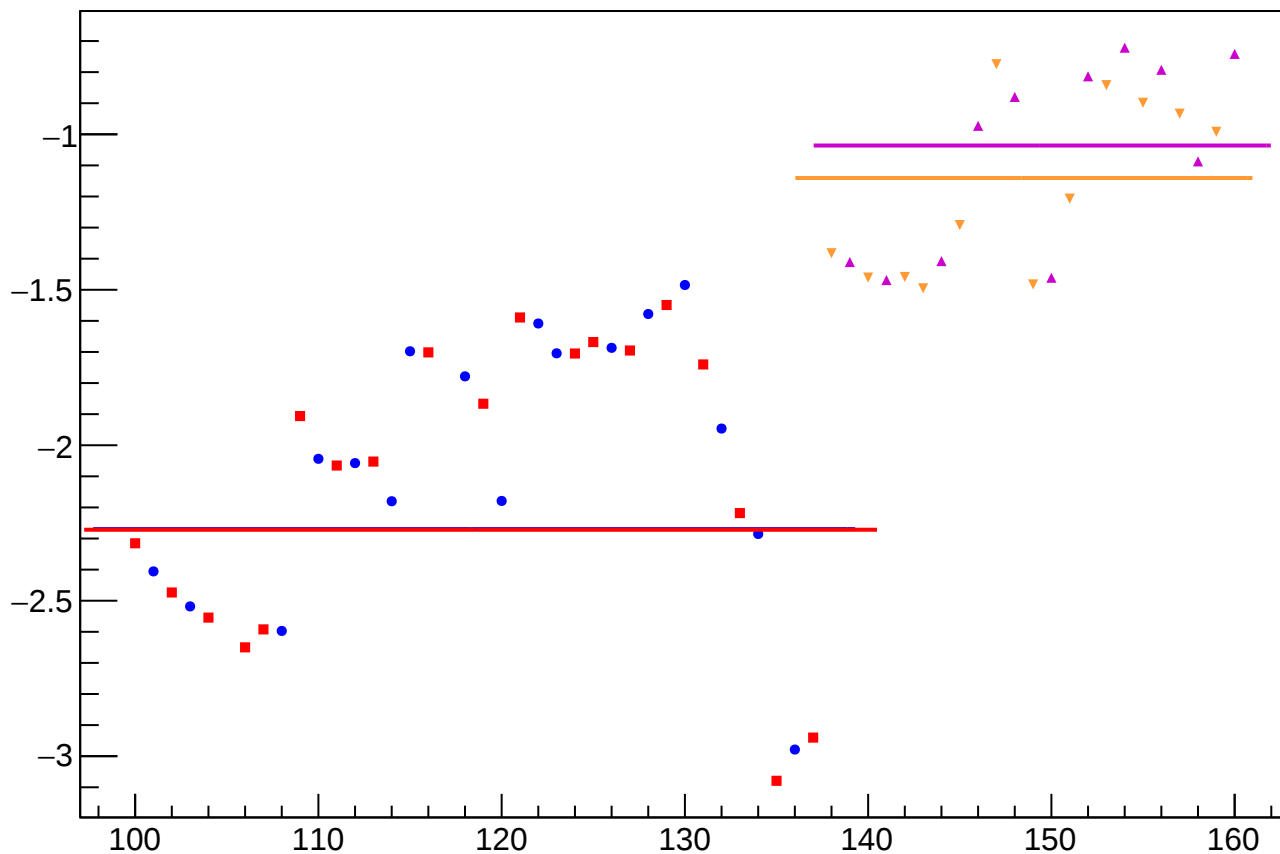
Right Out: 0.009+/-0.000 χ^2/NDF : 173958.0/18

Left In: 0.008+/-0.000 χ^2/NDF : 220596.7/10

0.008+/-0.000 χ^2/NDF : 423748.0/28

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: -1.140+/-0.000 χ^2/NDF : 11598804650.5/11

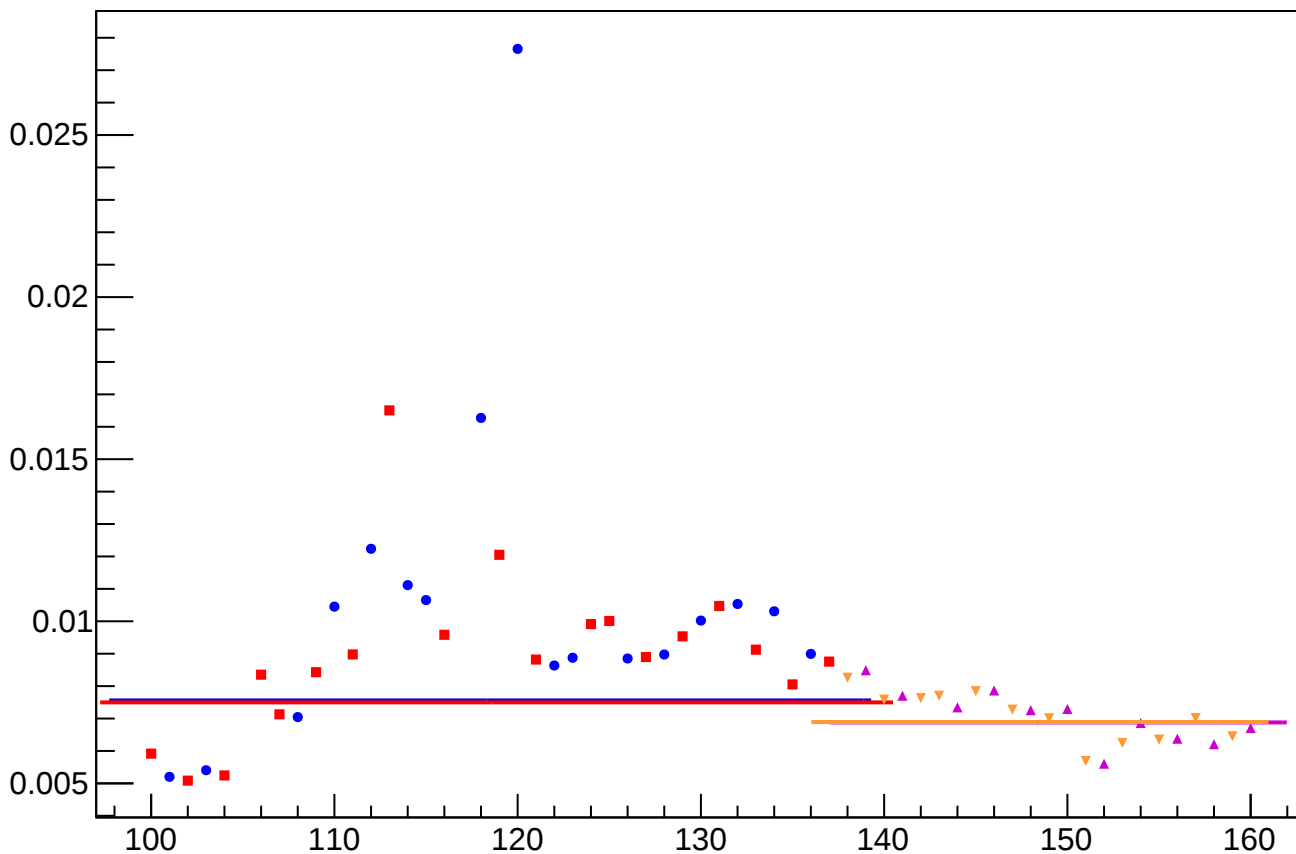
Right Out: -2.272+/-0.000 χ^2/NDF : 19009331715.4/18

Left In: -1.036+/-0.000 χ^2/NDF : 14297878757.0/10

-1.527+/-0.000 χ^2/NDF : 102922692445.6/28

-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 :186909.7/11

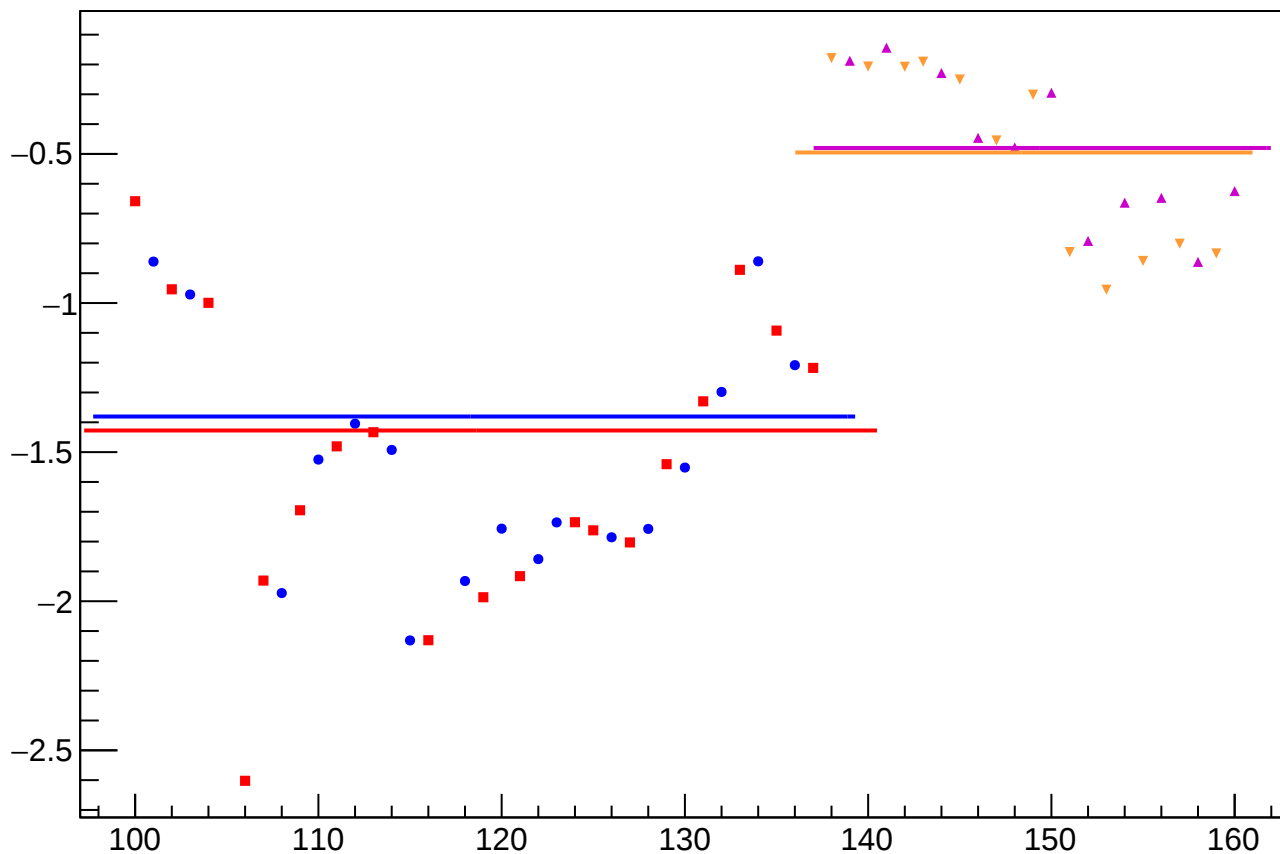
Right Out: 0.007+/-0.000 χ^2/NDF : 933998.1/18

Left In: 0.007+/-0.000 χ^2/NDF :209031.7/10

0.007+/-0.000 χ^2/NDF : 1459232.6/28

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: -0.495+/-0.000 χ^2/NDF : 42638362118.9/11

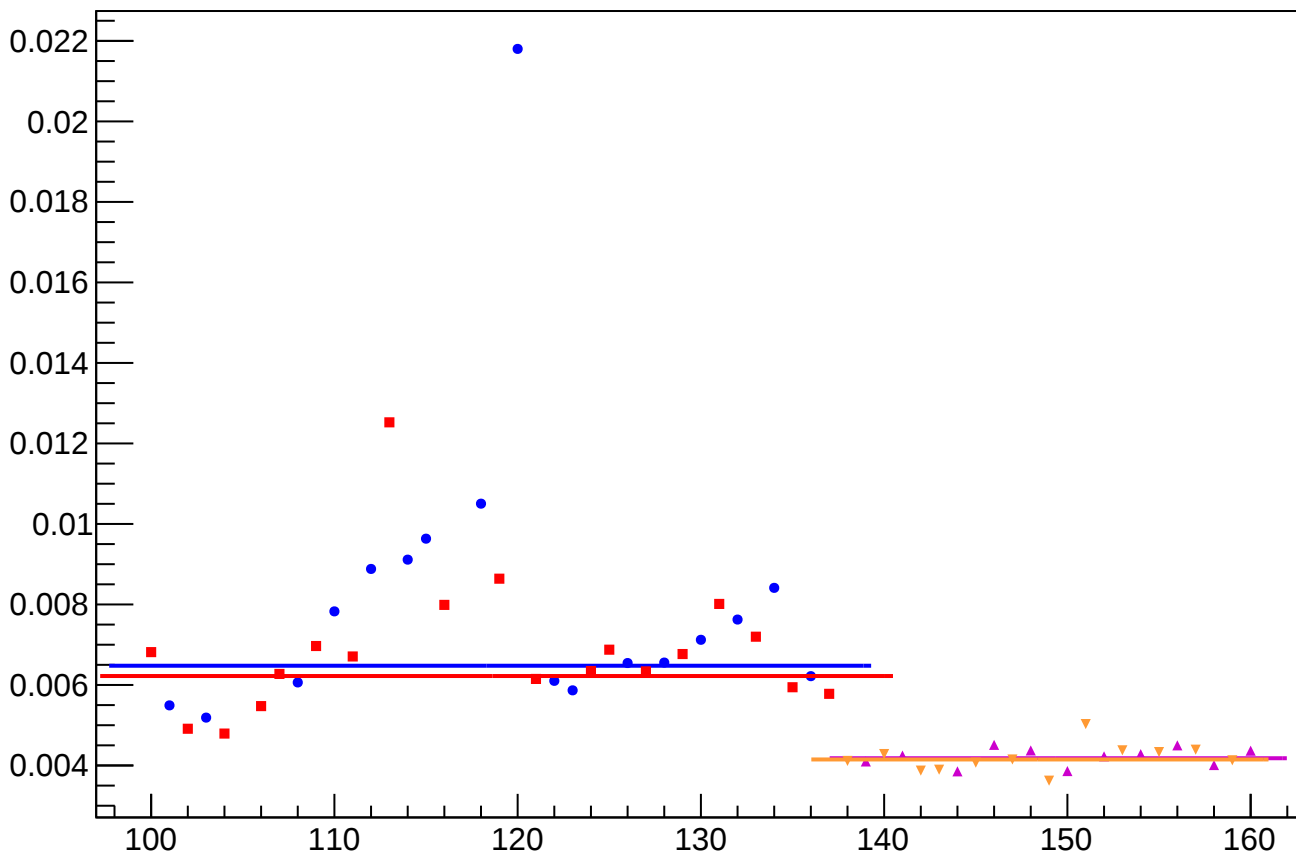
Right Out: -1.427+/-0.000 χ^2/NDF : 29616178528.0/18

Left In: -0.480+/-0.000 χ^2/NDF : 27659583035.6/10

-0.689+/-0.000 χ^2/NDF : 142087636270.2/28

-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 : 87263.8/11

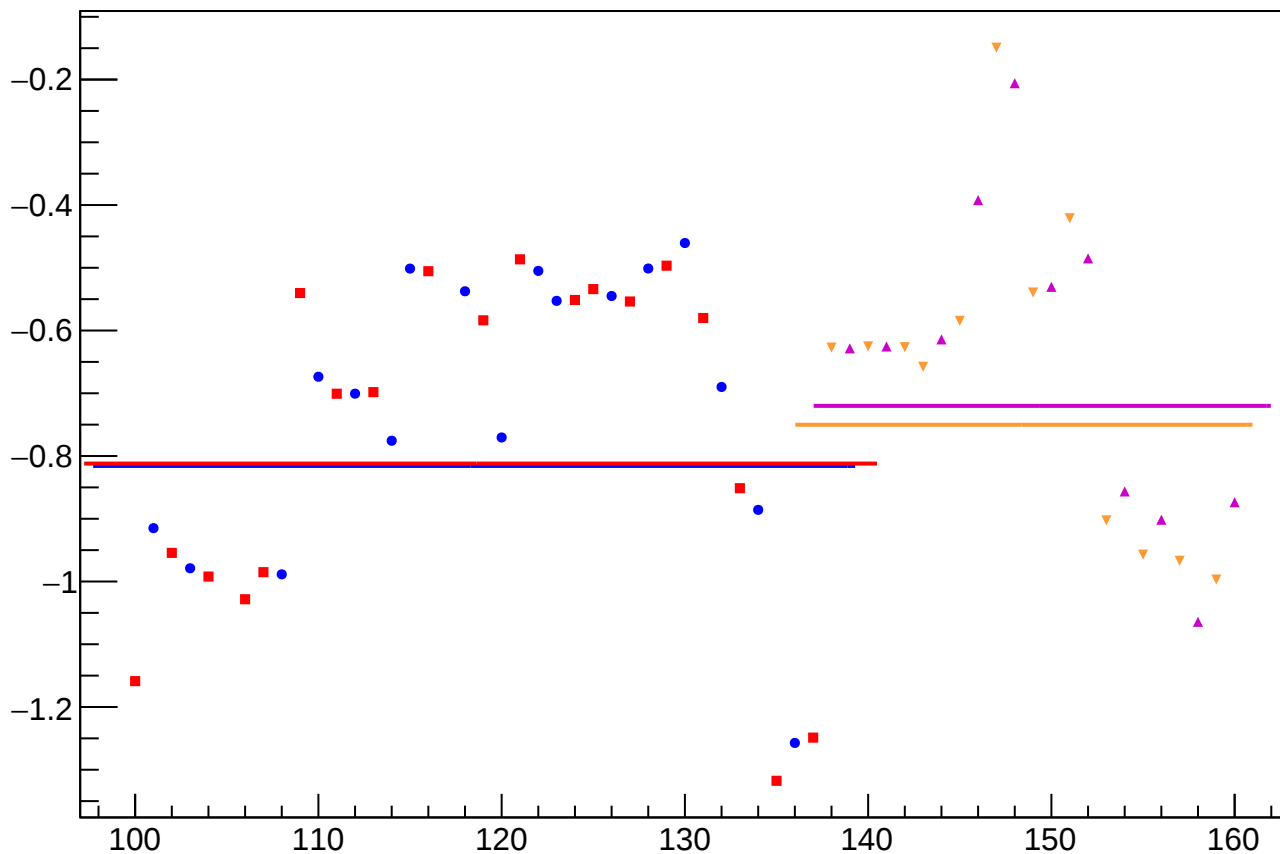
0.005+/-0.000 χ^2/NDF : 1758620.3/28

Right Out: 0.006+/-0.000 χ^2/NDF : 423437.1/18

0.005+/-0.000 χ^2/NDF : 1422130.3/29

Left In: 0.004+/-0.000 χ^2/NDF : 46107.9/10

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.750+/-0.000 χ^2/NDF : 23896869336.3/11

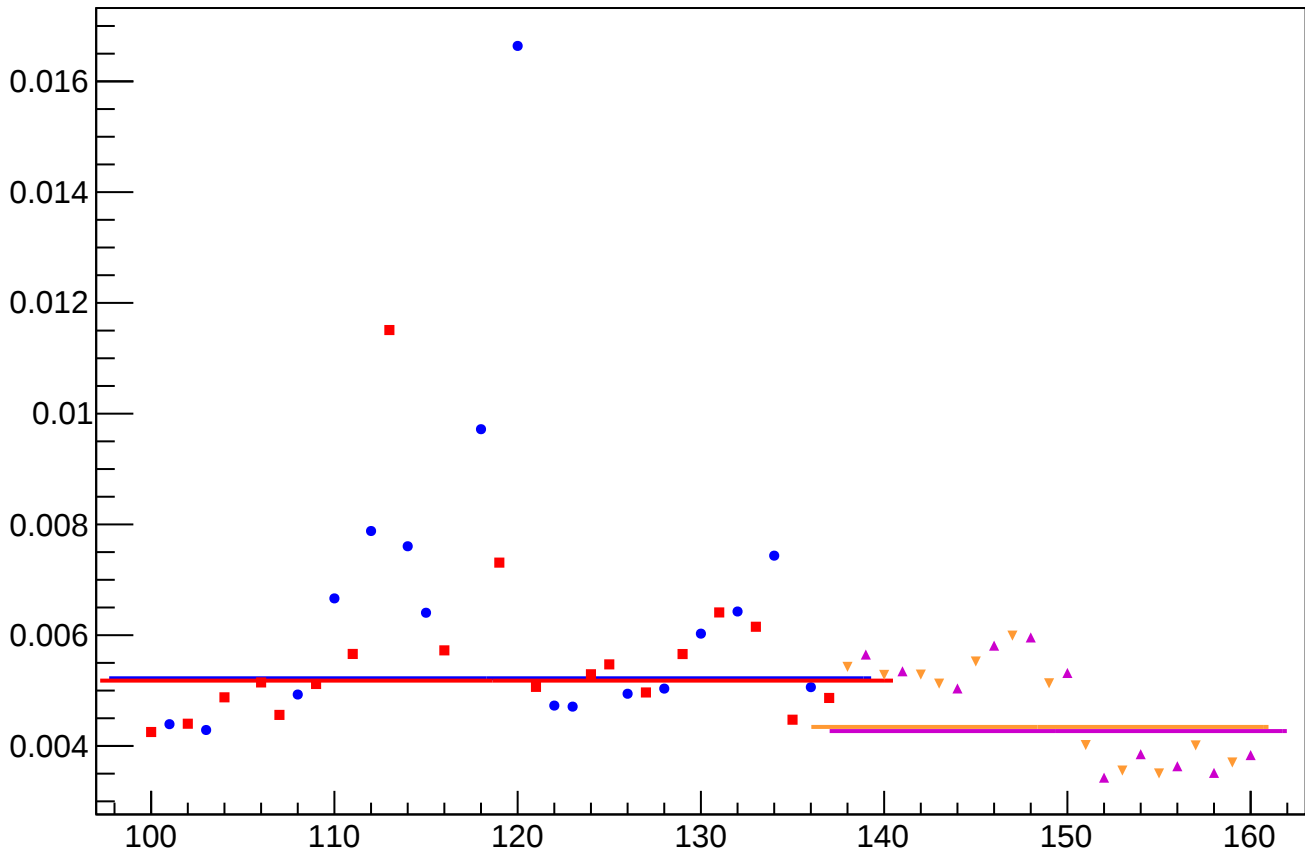
Right Out: -0.812+/-0.000 χ^2/NDF : 16815852448.9/18

Left In: -0.720+/-0.000 χ^2/NDF : 24577173270.9/10

-0.771+/-0.000 χ^2/NDF : 38643669702.5/28

-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 : 582017.6/11

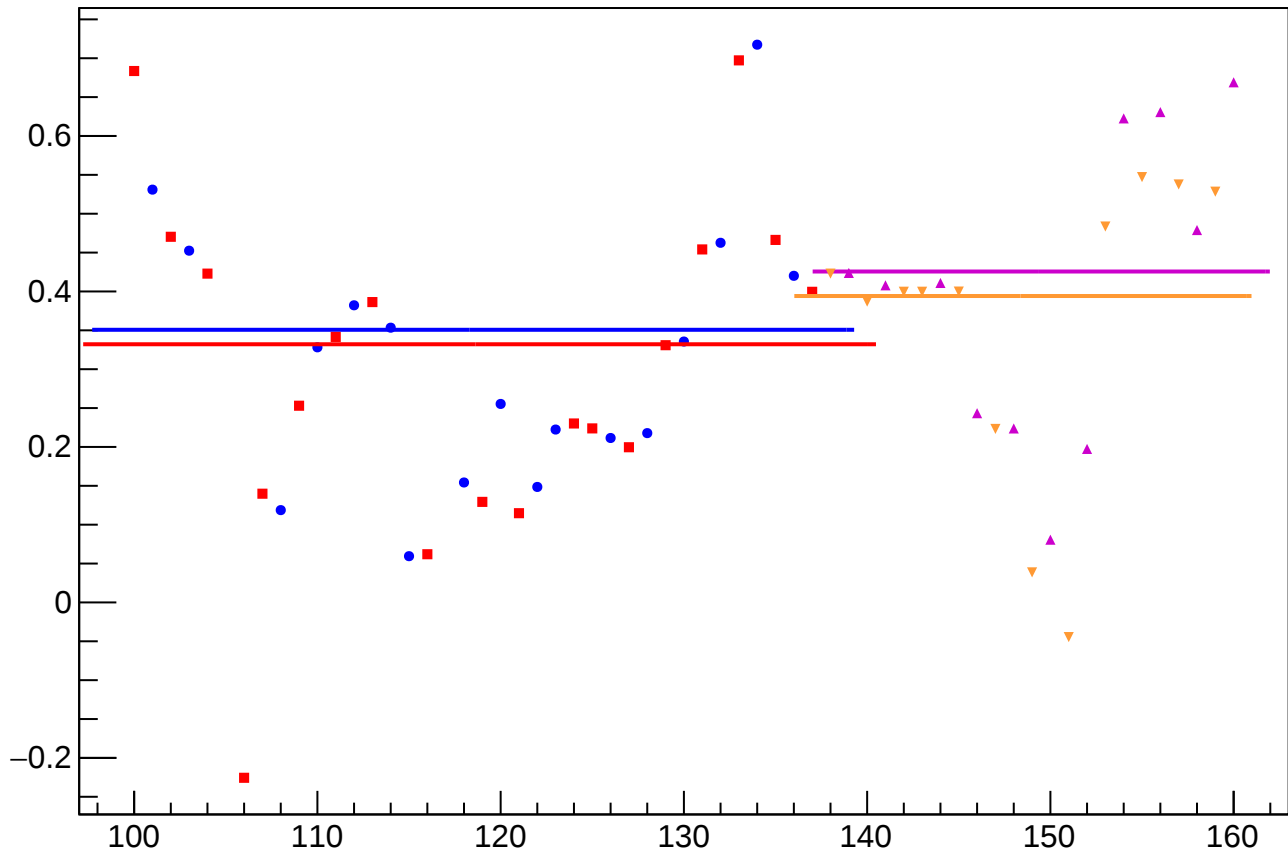
Right Out: 0.005+/-0.000 χ^2/NDF : 363781.3/18

Left In: 0.004+/-0.000 χ^2/NDF : 704831.4/10

0.005+/-0.000 χ^2/NDF : 1451887.0/28

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: 0.394 ± 0.000 χ^2/NDF : 17141668011.9/11

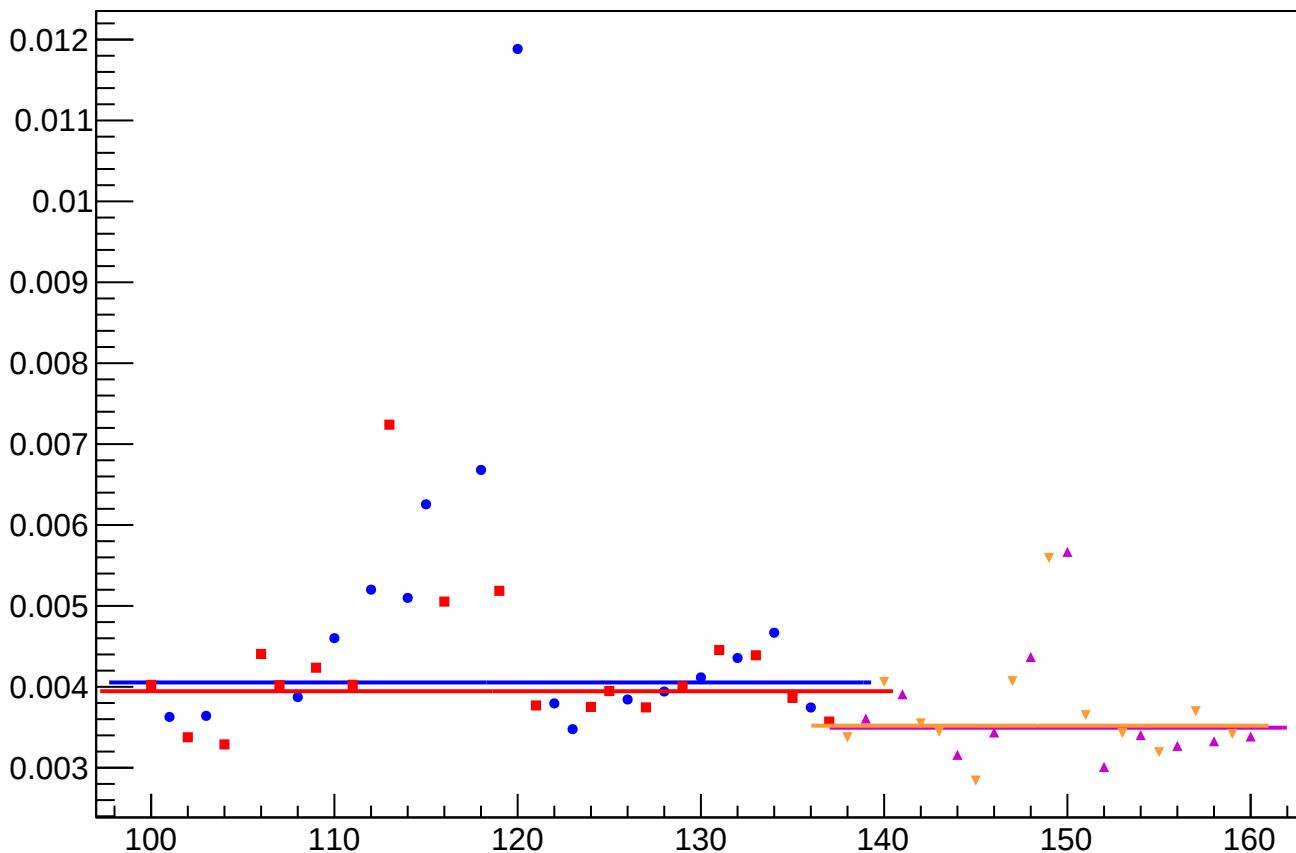
Right Out: 0.332 ± 0.000 χ^2/NDF : 11796213425.9/18

Left In: 0.426 ± 0.000 χ^2/NDF : 19623346516.0/10

0.378 ± 0.000 χ^2/NDF : 24968123631.6/28

0.389 ± 0.000 χ^2/NDF : 33531481469.7/29

yield_bpm0i07Y_rms vs Slug



Right In: 0.004 ± 0.000 $\chi^2/\text{NDF}: 455318.3/16$

Left Out: 0.004 ± 0.000 $\chi^2/\text{NDF}: 336294.3/11$

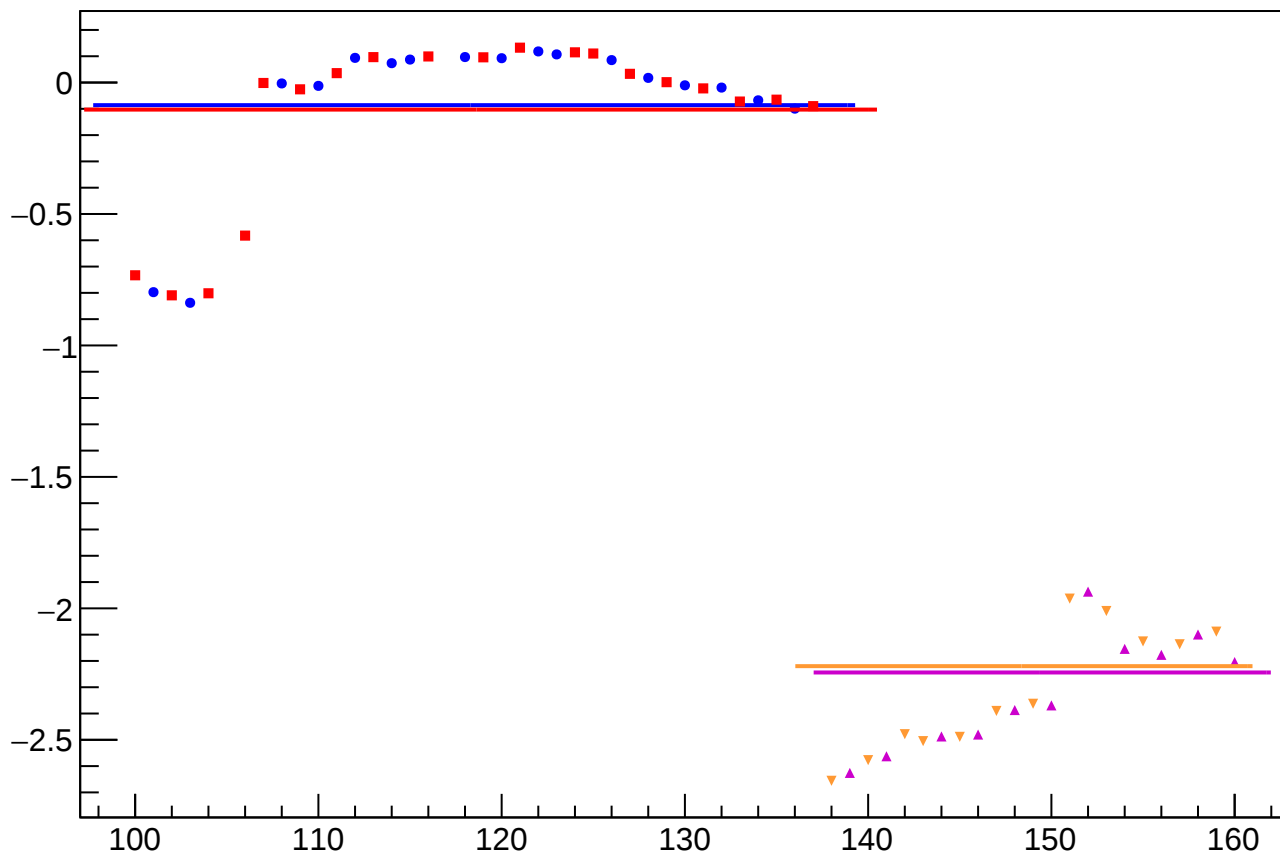
Right Out: 0.004 ± 0.000 $\chi^2/\text{NDF}: 260968.0/18$

Left In: 0.003 ± 0.000 $\chi^2/\text{NDF}: 360660.6/10$

0.004 ± 0.000 $\chi^2/\text{NDF}: 917360.7/28$

0.004 ± 0.000 $\chi^2/\text{NDF}: 719619.0/29$

yield_bpm1i02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -0.103+/-0.000 χ^2/NDF : 3412787588.2/11

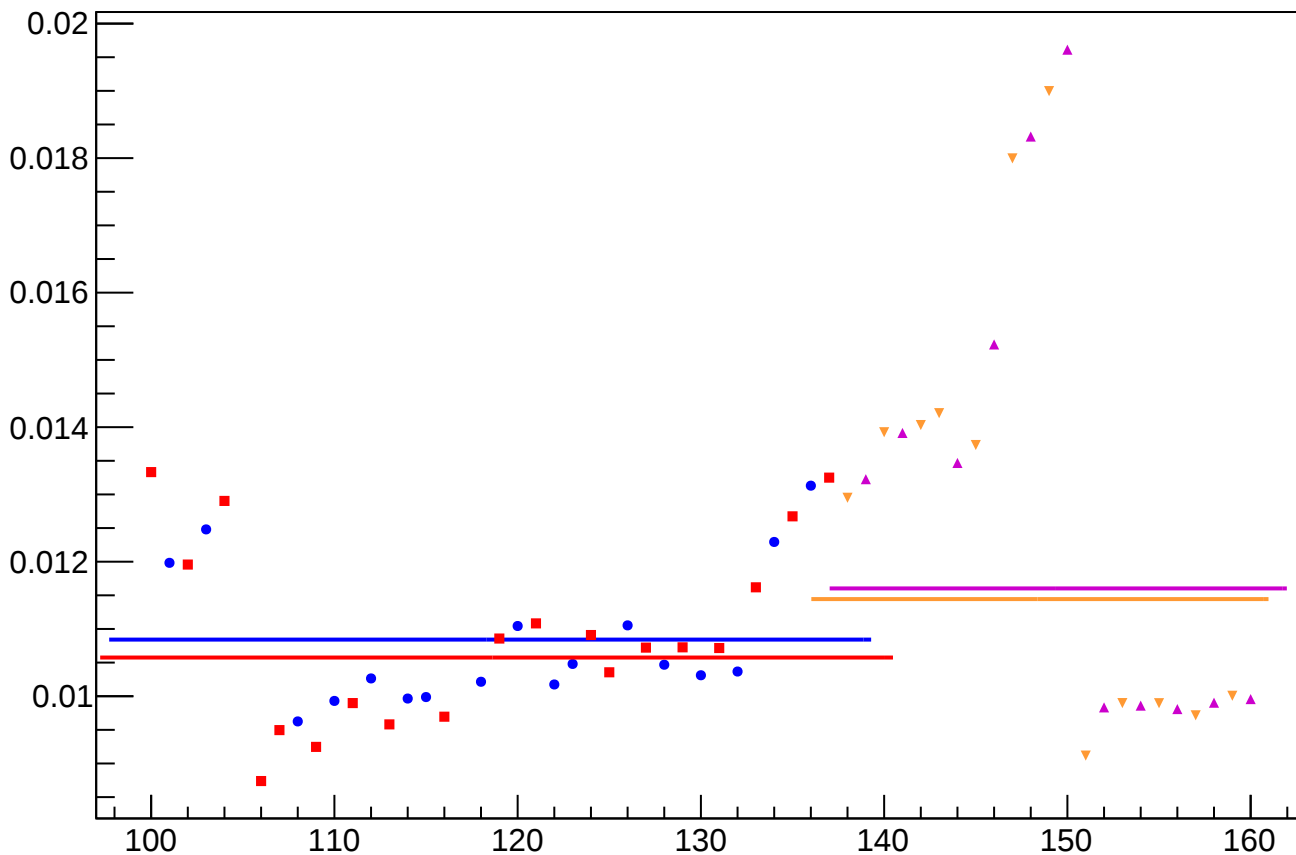
Right Out: -0.103+/-0.000 χ^2/NDF : 5553039516.7/18

Left In: -2.244+/-0.000 χ^2/NDF : 2659056126.5/10

-1.224+/-0.000 χ^2/NDF : 145478520350.7/28

-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 : 912473.7/11

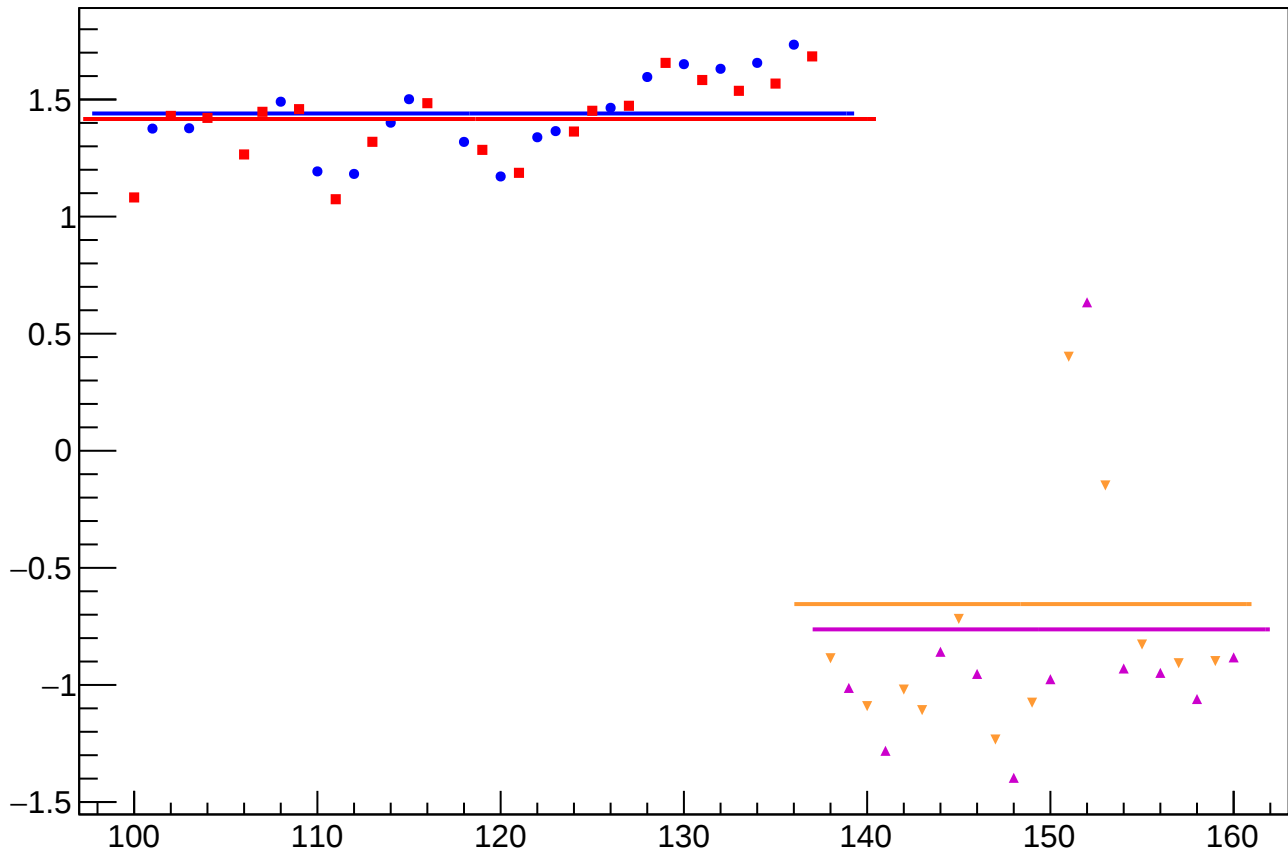
Right Out: 0.011+/-0.000 χ^2/NDF : 178967.4/18

Left In: 0.012+/-0.000 χ^2/NDF : 943362.5/10

0.011+/-0.000 χ^2/NDF : 1058573.9/28

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: -0.655 $\pm$ 0.000 χ^2 /NDF: 29192635142.0/11

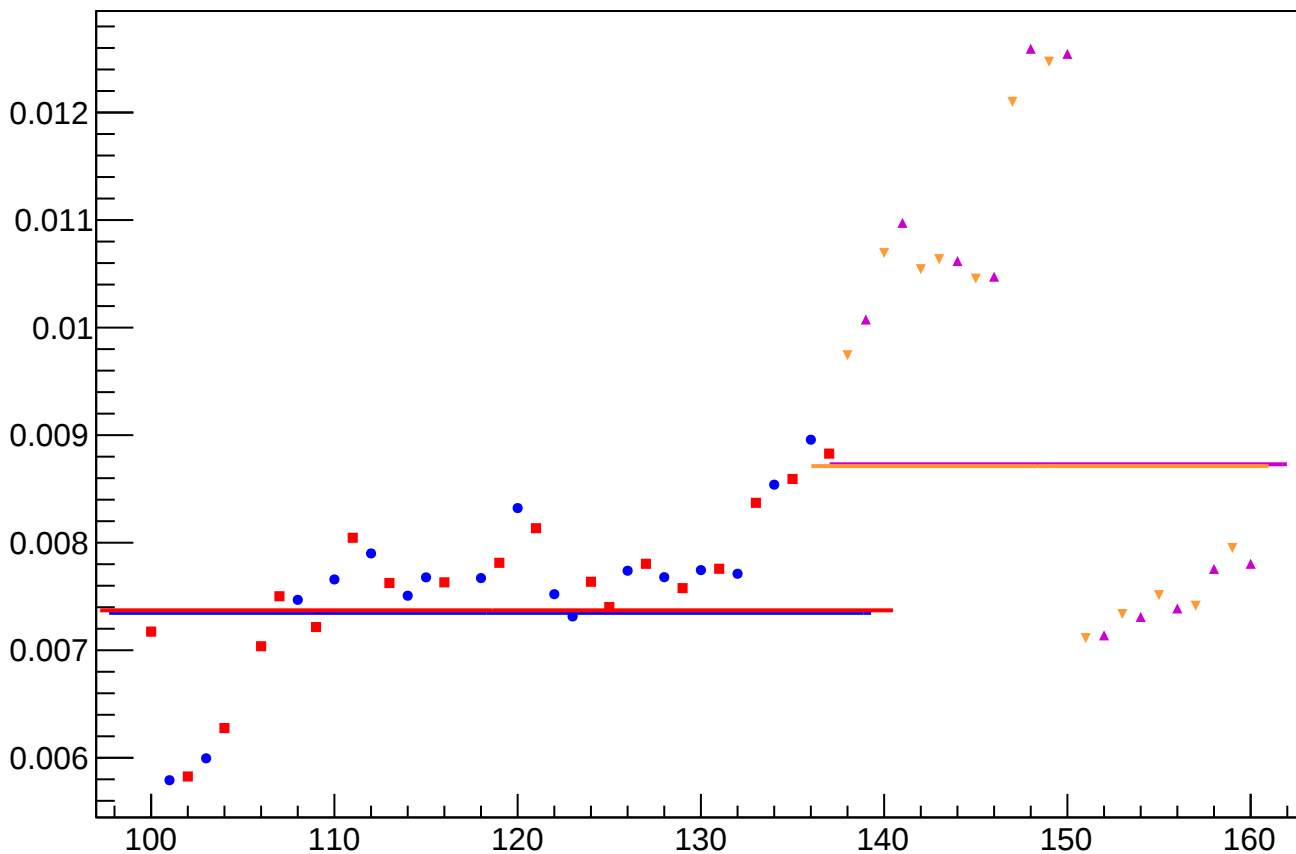
Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674064512.3/18

Left In: -0.763 $\pm$ 0.000 χ^2 /NDF: 38862557294.0/10

0.433 $\pm$ 0.000 χ^2 /NDF: 290044751807.5/28

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 : 687745.0/11

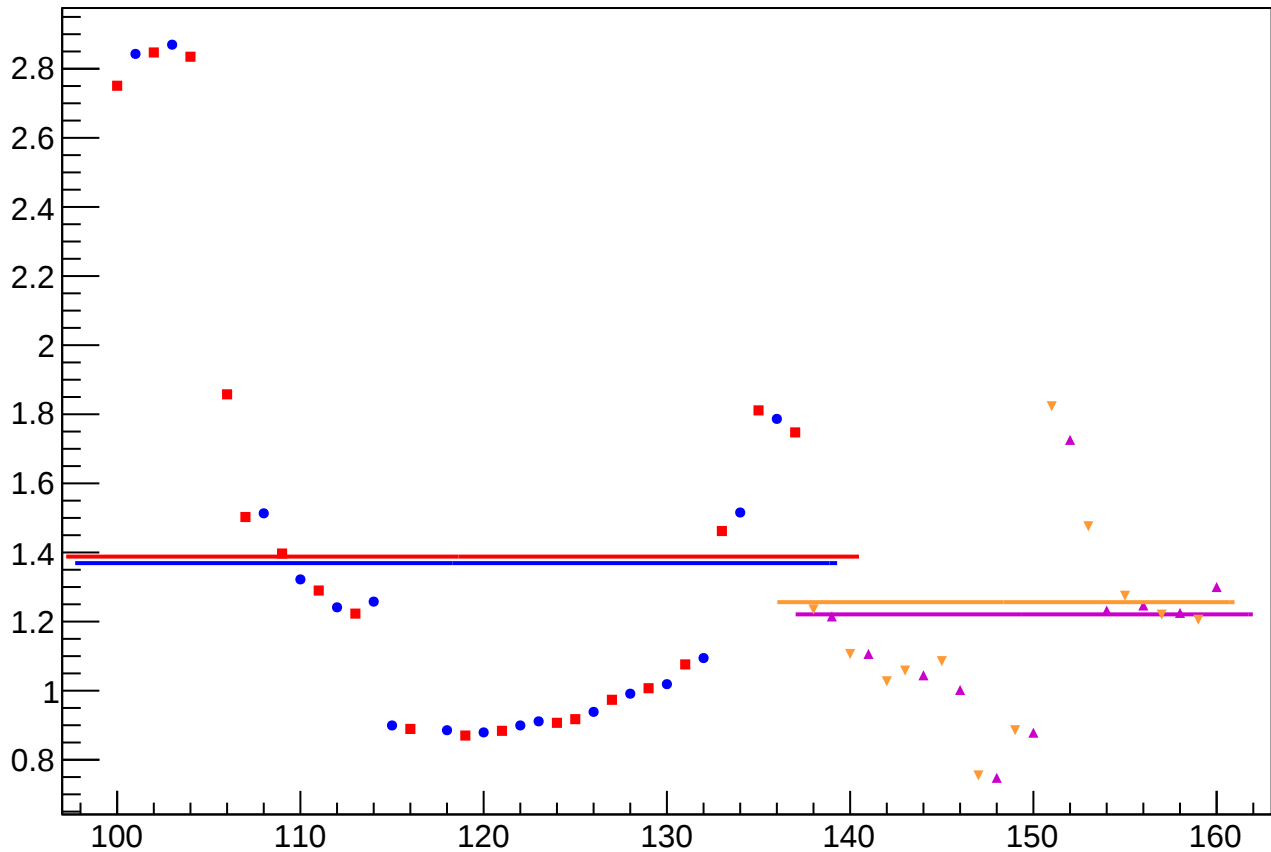
Right Out: 0.007+/-0.000 χ^2/NDF : 172689.5/18

Left In: 0.009+/-0.000 χ^2/NDF : 748719.3/10

0.008+/-0.000 χ^2/NDF : 1134282.5/28

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: 1.256+/-0.000 χ^2/NDF : 8756464594.5/11

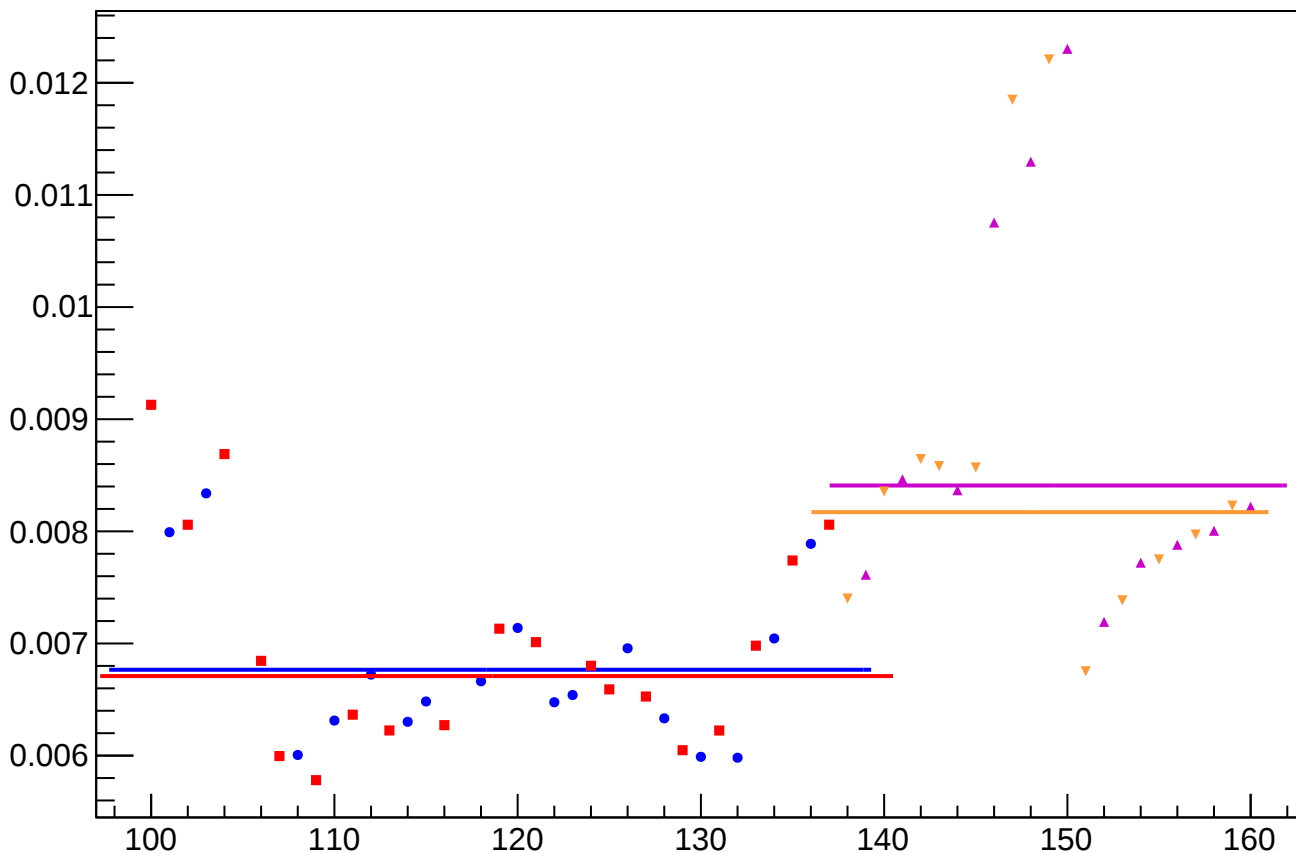
1.317+/-0.000 χ^2/NDF : 63819629061.1/28

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 : 405324.5/11

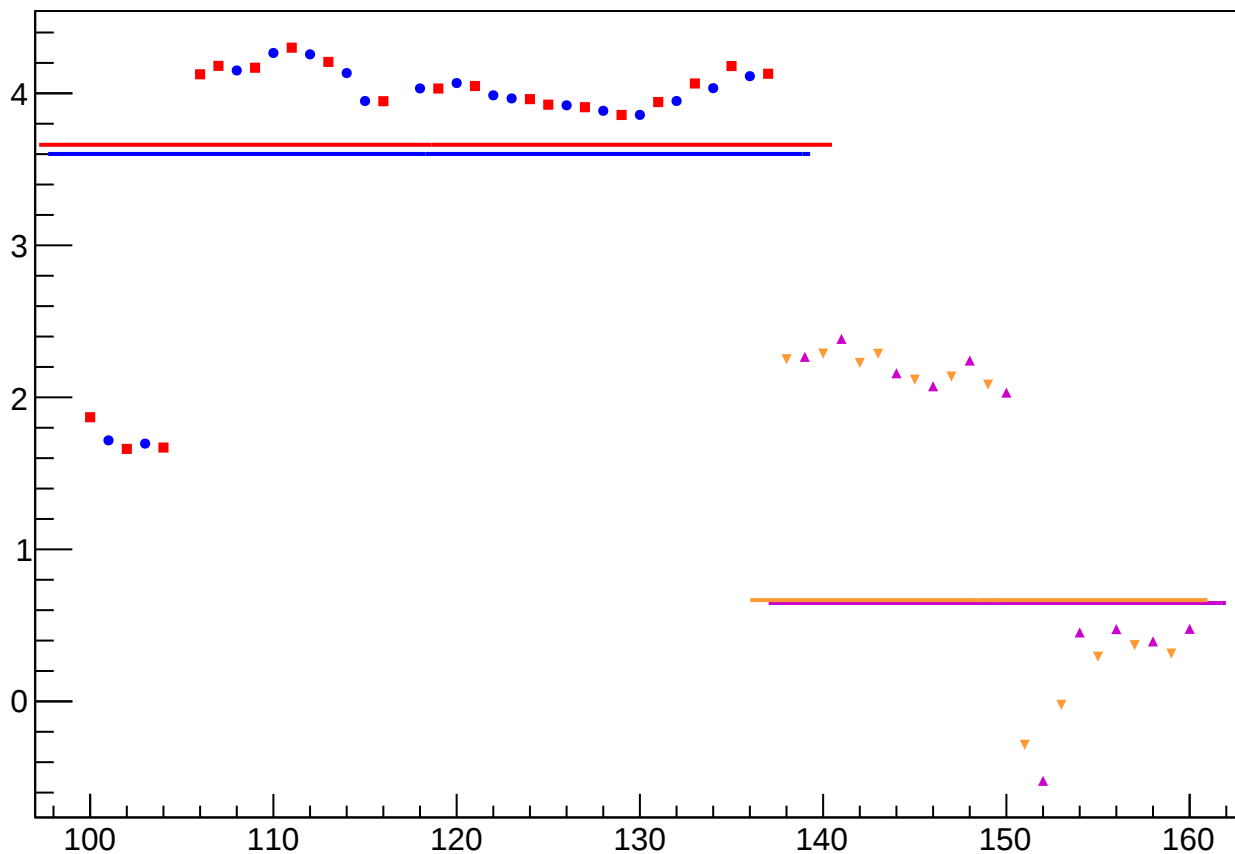
Right Out: 0.007+/-0.000 χ^2/NDF : 187826.7/18

Left In: 0.008+/-0.000 χ^2/NDF : 413779.6/10

0.007+/-0.000 χ^2/NDF : 830463.9/28

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: 0.666+/-0.000 χ^2/NDF : 252027545300.5/11

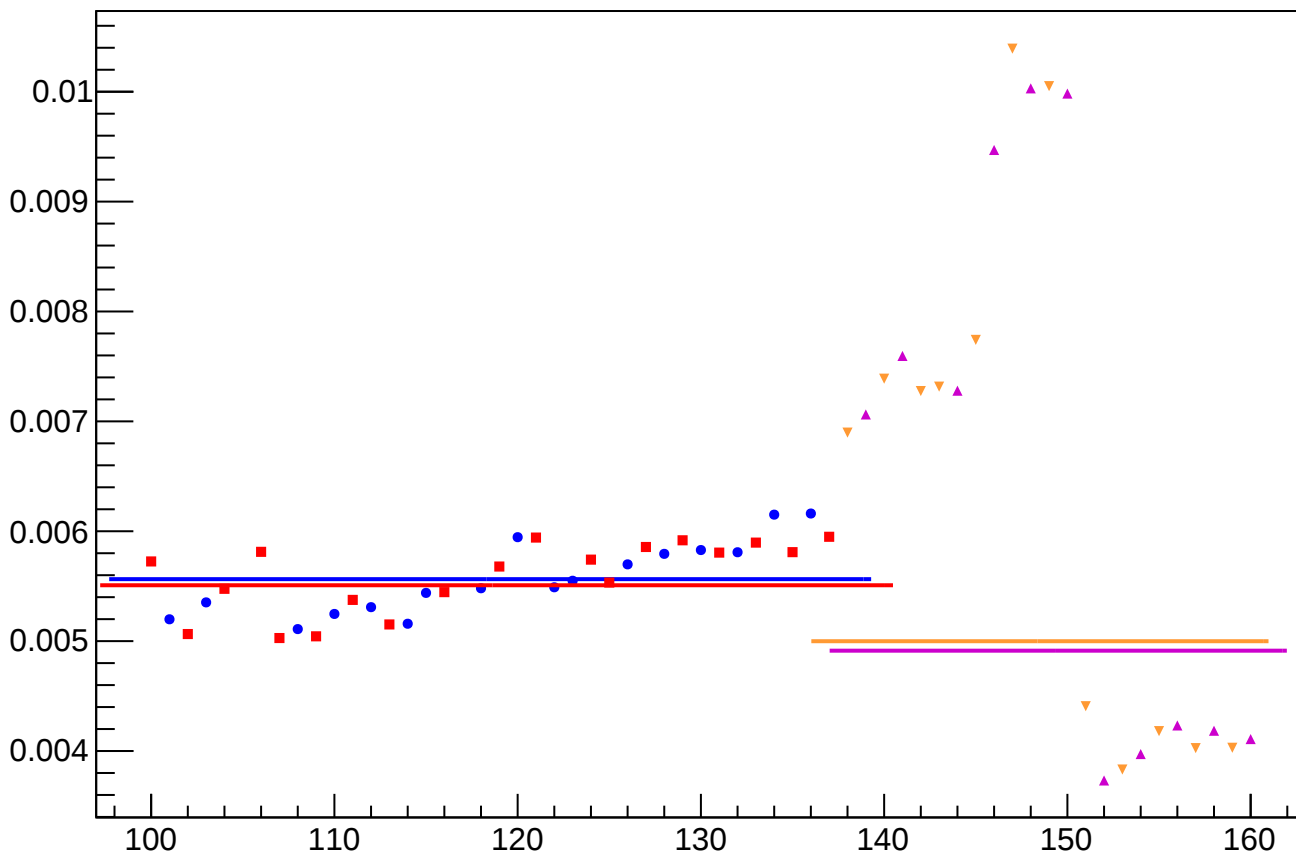
Right Out: 3.661+/-0.000 χ^2/NDF : 192519897222.5/18

Left In: 0.647+/-0.000 χ^2/NDF : 250723701637.6/10

1.889+/-0.000 χ^2/NDF : 1522885041938.4/28

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 :1804196.1/11

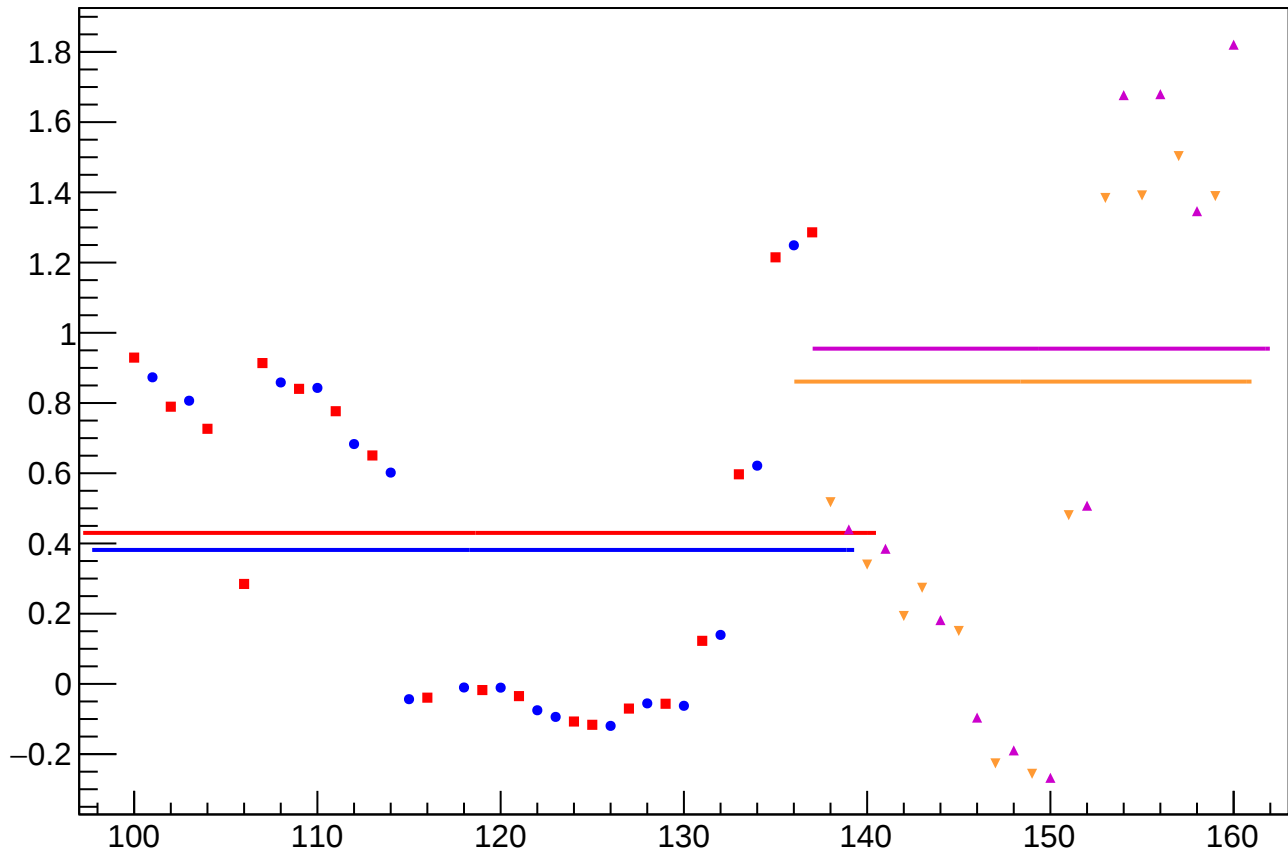
Right Out: 0.006+/-0.000 χ^2/NDF : 52634.8/18

Left In: 0.005+/-0.000 χ^2/NDF :2014140.5/10

0.005+/-0.000 χ^2/NDF : 1932157.8/28

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: 0.861+/-0.000 χ^2/NDF : 20606212279.2/11

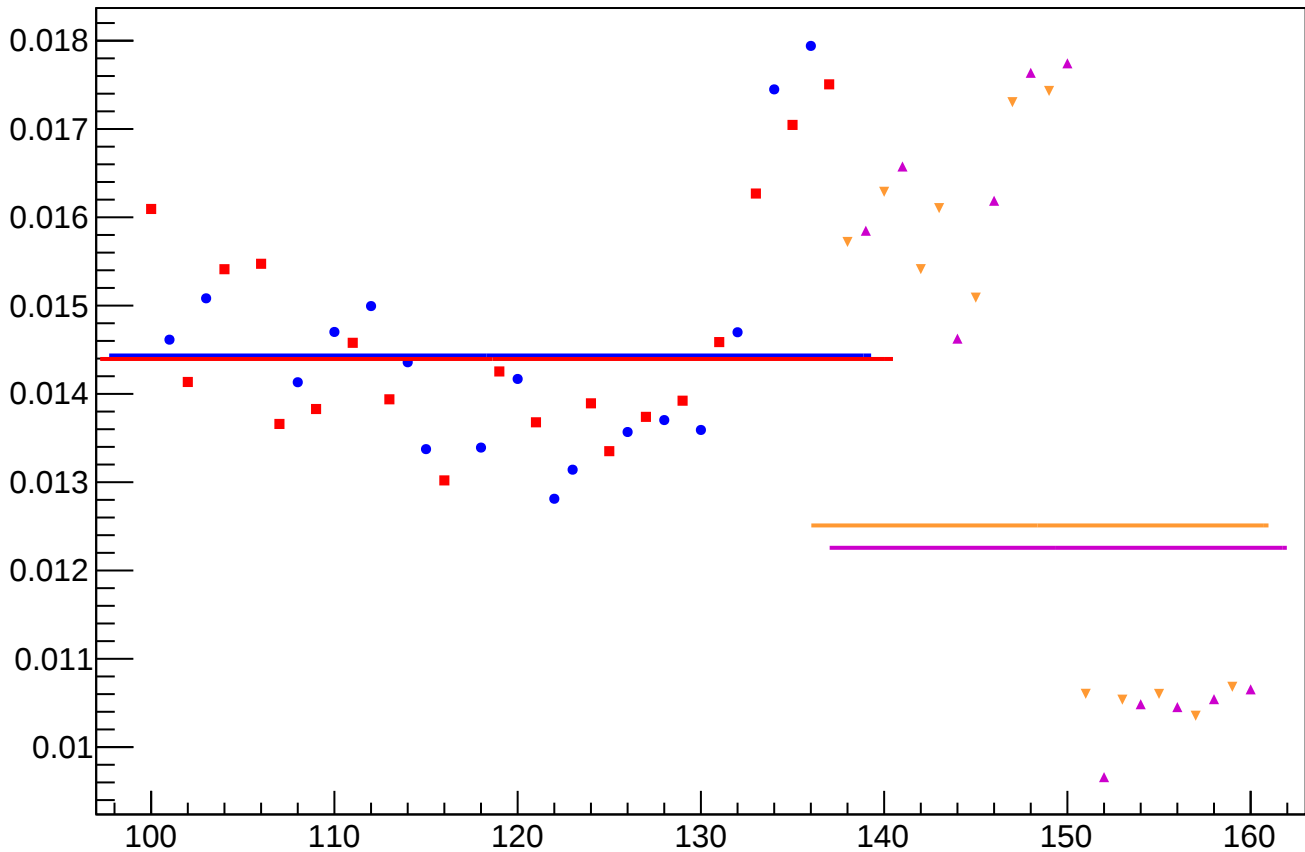
Right Out: 0.430+/-0.000 χ^2/NDF : 6676199135.9/18

Left In: 0.955+/-0.000 χ^2/NDF : 30565663101.3/10

0.683+/-0.000 χ^2/NDF : 32324457119.2/28

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: 0.013+/-0.000 χ^2/NDF : 797974.9/11

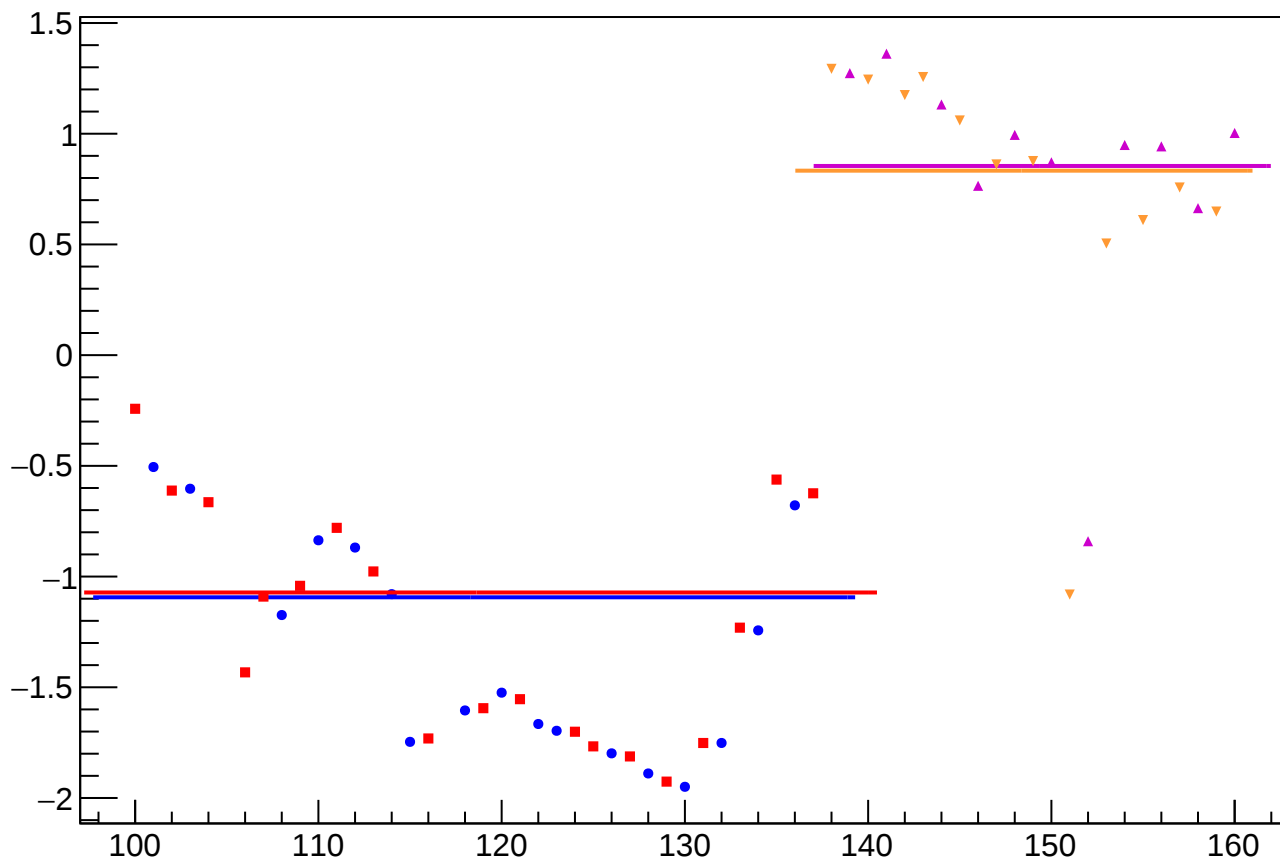
Right Out: 0.014+/-0.000 χ^2/NDF : 74531.6/18

Left In: 0.012+/-0.000 χ^2/NDF : 923057.6/10

0.013+/-0.000 χ^2/NDF : 1056223.1/28

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: 0.833 ± 0.000 χ^2/NDF : 123085853770.4/11

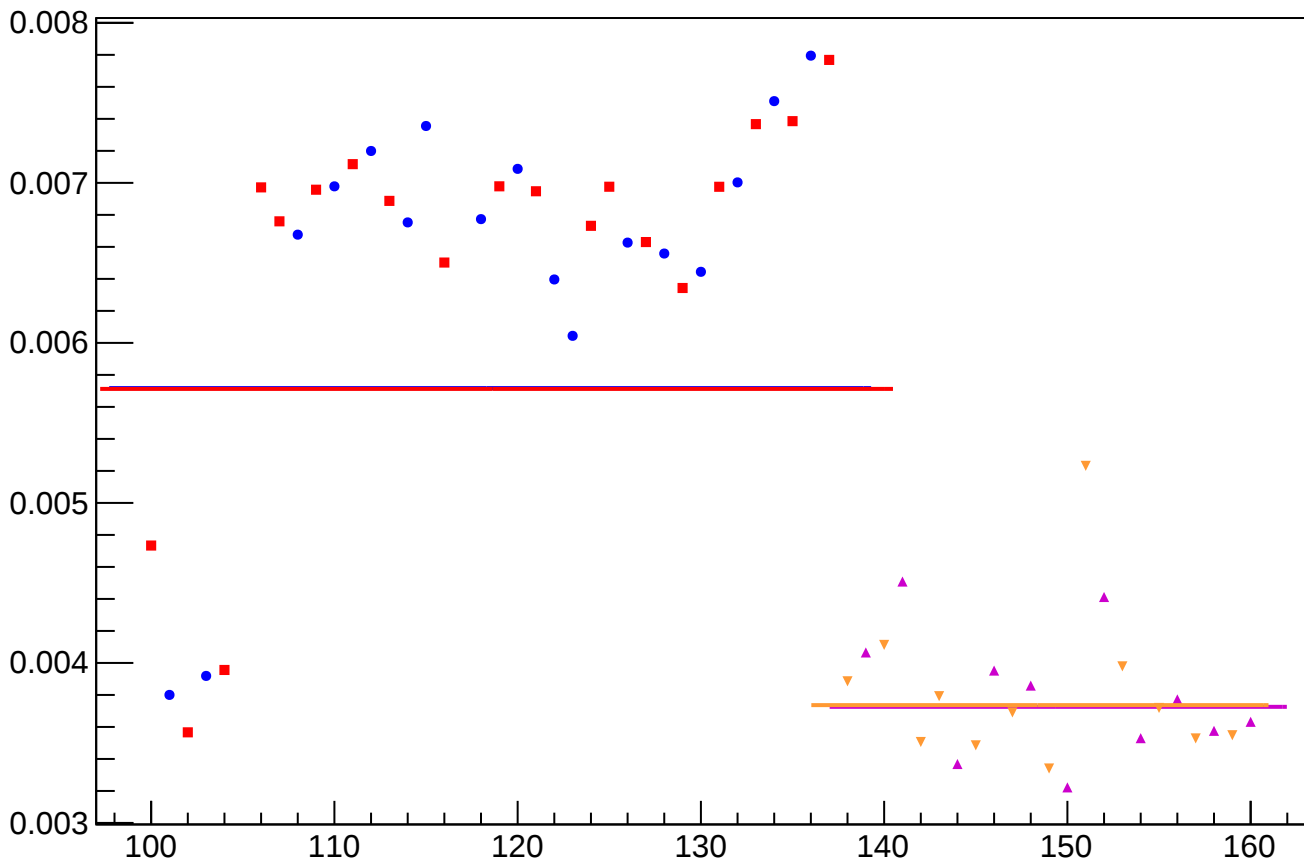
Right Out: -1.072 ± 0.000 χ^2/NDF : 46896017480.0/18

Left In: 0.854 ± 0.000 χ^2/NDF : 142299438724.6/10

0.366 ± 0.000 χ^2/NDF : 689782891162.5/28

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 :158146.3/11

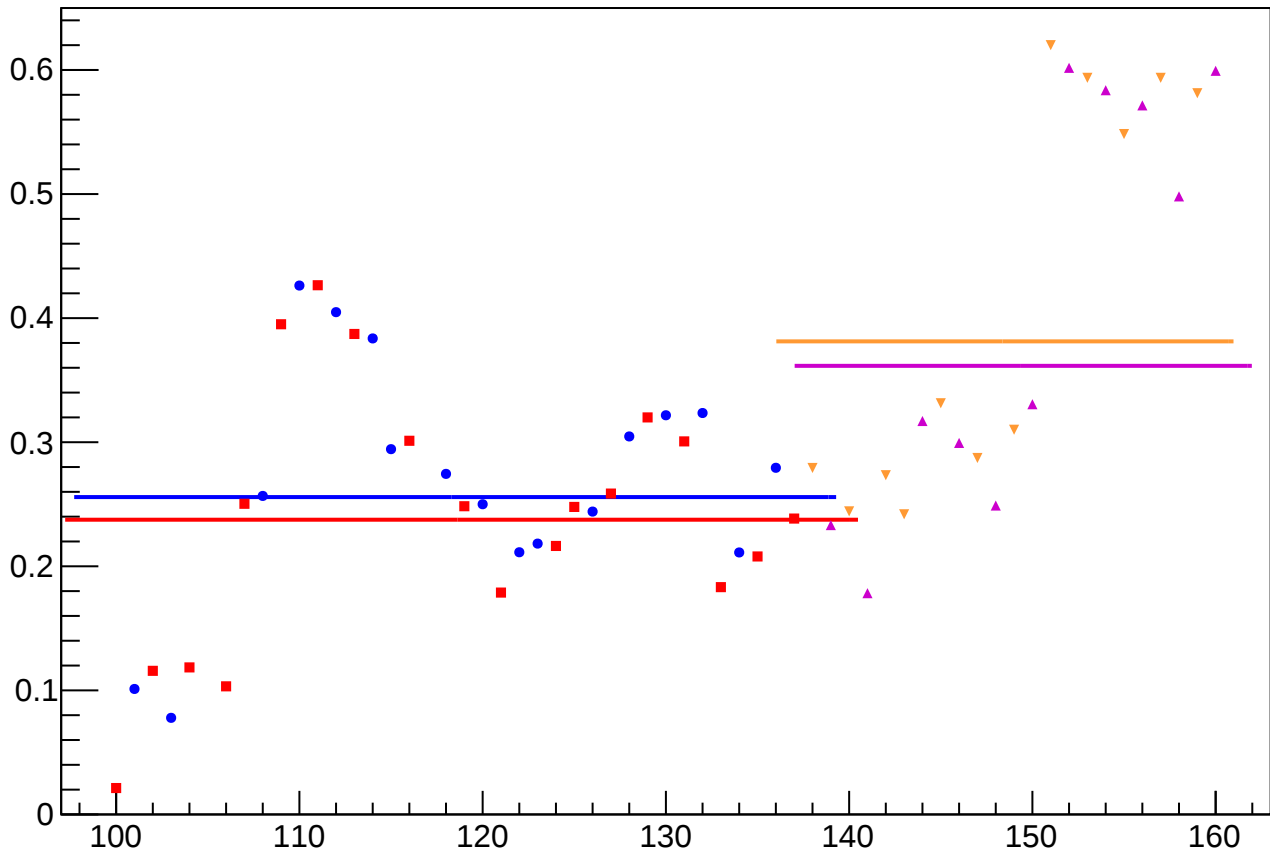
Right Out: 0.006+/-0.000 χ^2/NDF : 923899.1/18

Left In: 0.004+/-0.000 χ^2/NDF :162839.2/10

0.004+/-0.000 χ^2/NDF : 2075827.1/28

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: 0.381+/-0.000 χ^2/NDF : 56399066669.3/11

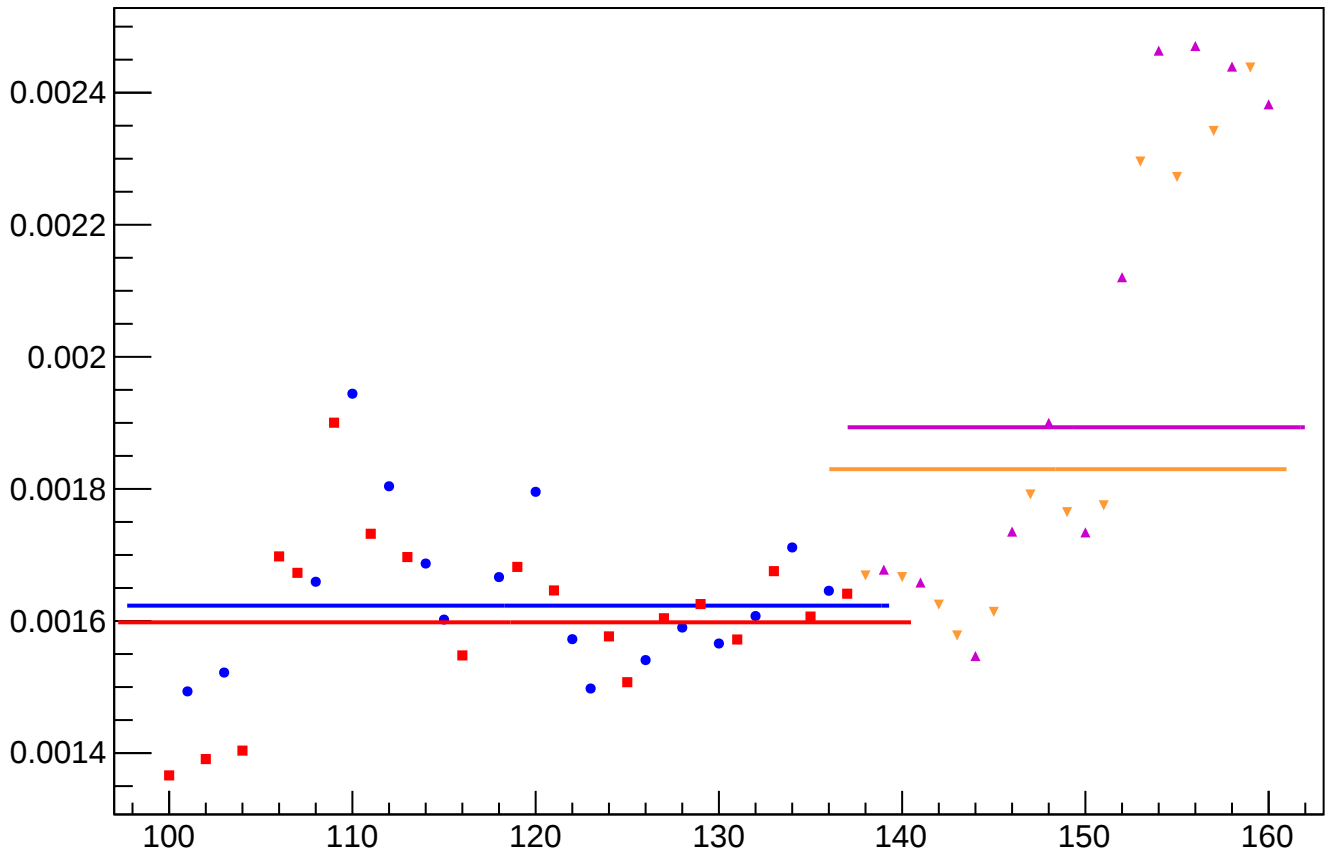
0.320+/-0.000 χ^2/NDF : 97555248607.7/28

Right Out: 0.238+/-0.000 χ^2/NDF : 26057284646.9/18

0.295+/-0.000 χ^2/NDF : 97233672277.6/29

Left In: 0.362+/-0.000 χ^2/NDF : 51708094342.5/10

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 : 406667.9/11

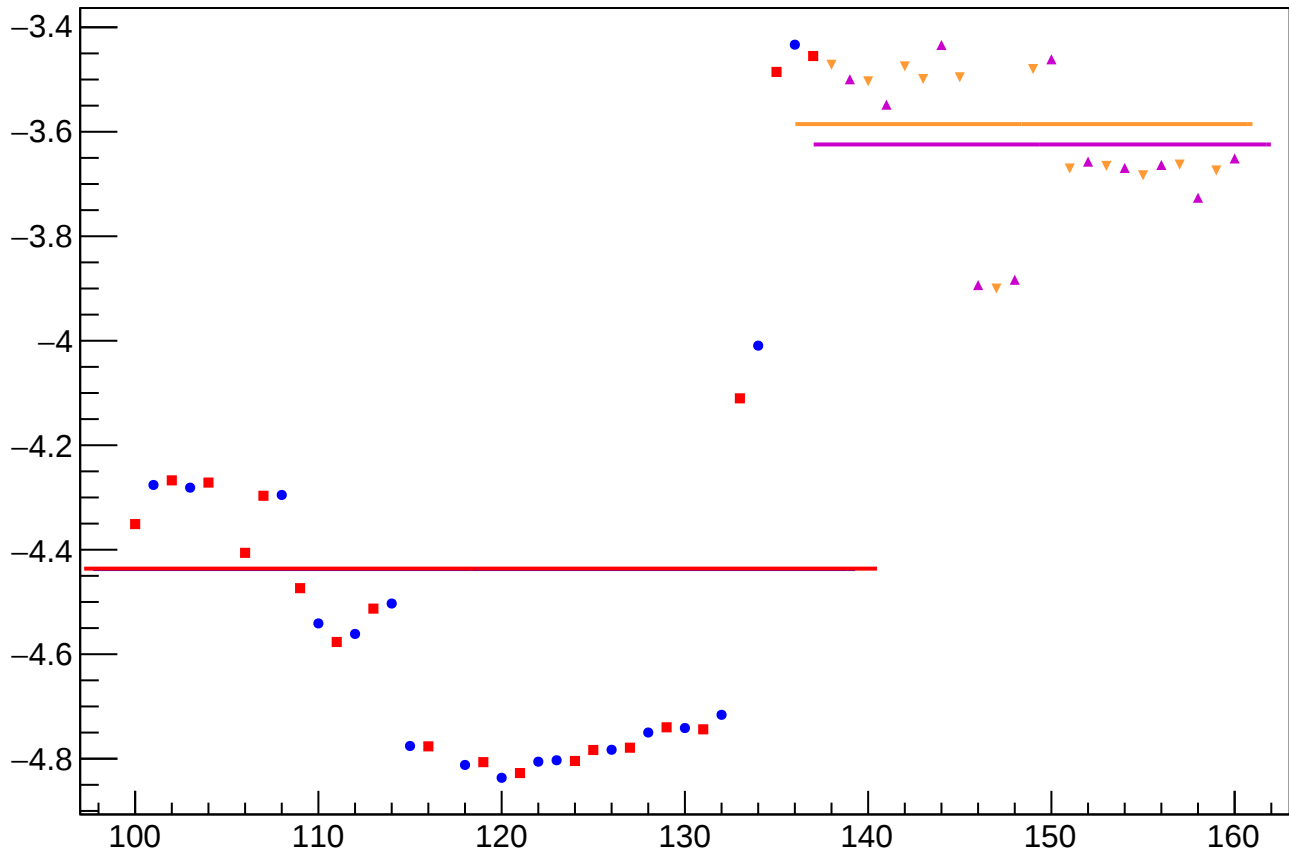
Right Out: 0.002+/-0.000 χ^2/NDF : 90678.4/18

Left In: 0.002+/-0.000 χ^2/NDF : 507046.2/10

0.002+/-0.000 χ^2/NDF : 566429.5/28

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: -3.585+/-0.000 χ^2/NDF : 29494457107.2/11

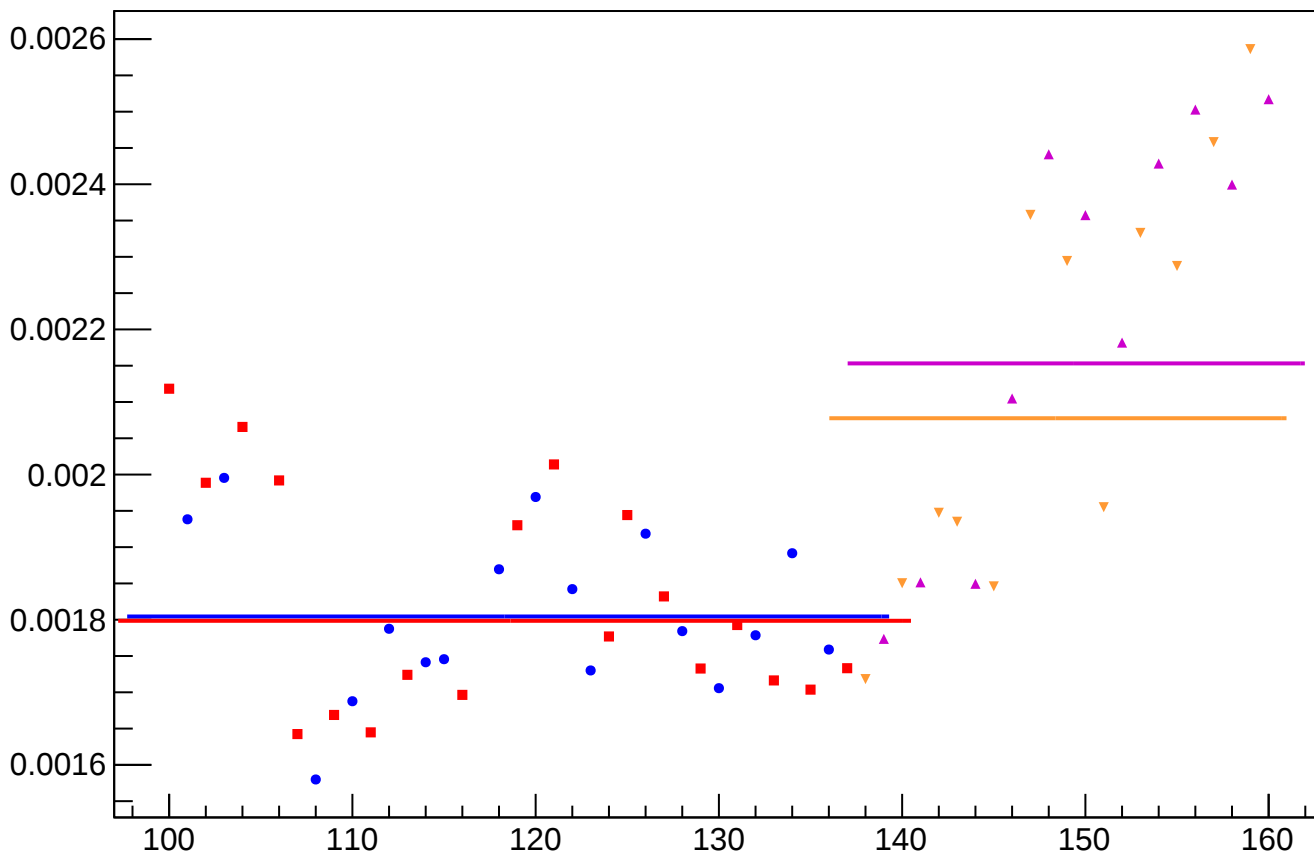
-4.012+/-0.000 χ^2/NDF : 1145164589767.6/28

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 :290784.6/11

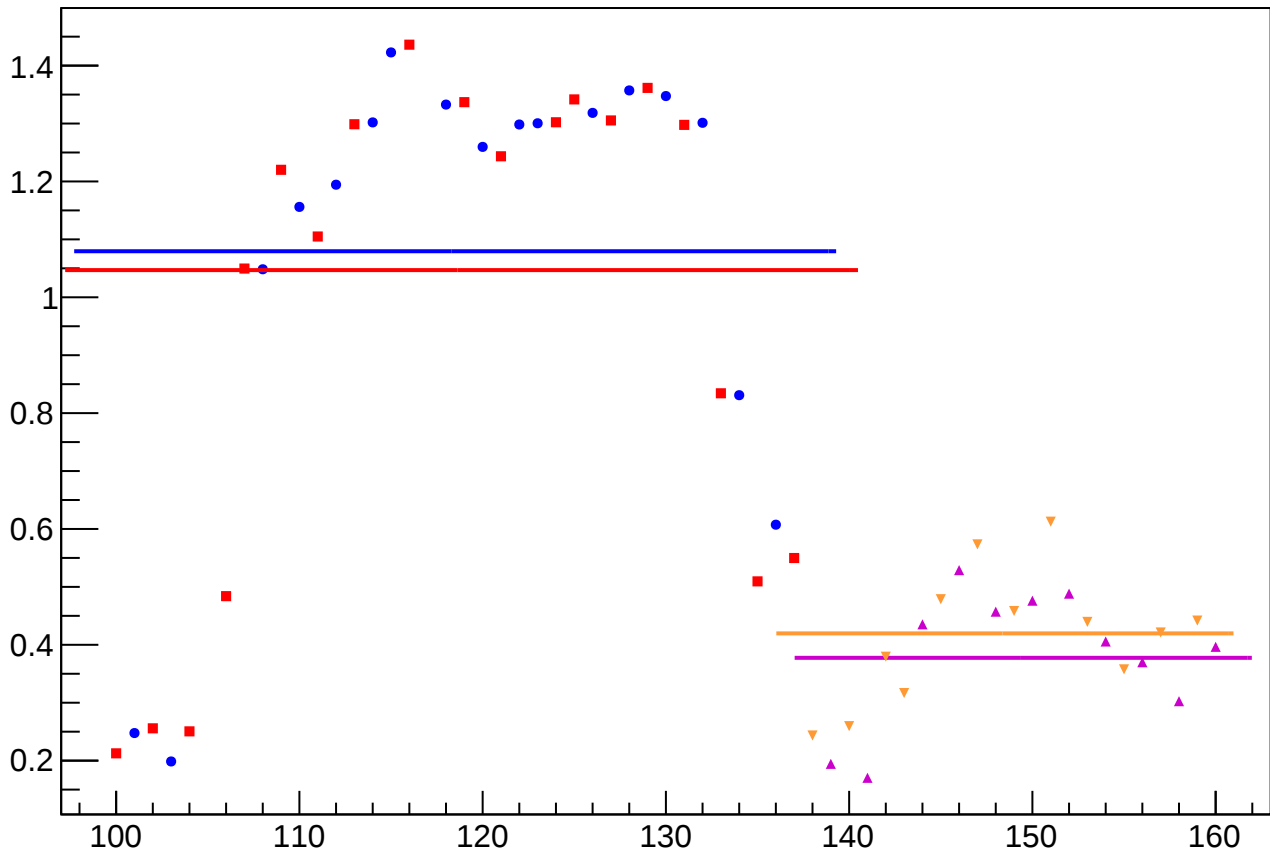
Right Out: 0.002+/-0.000 χ^2/NDF : 81021.0/18

Left In: 0.002+/-0.000 χ^2/NDF :287072.0/10

0.002+/-0.000 χ^2/NDF : 488640.0/28

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: 0.420 $\pm$ 0.000 χ^2 /NDF: 1166912489.9/11

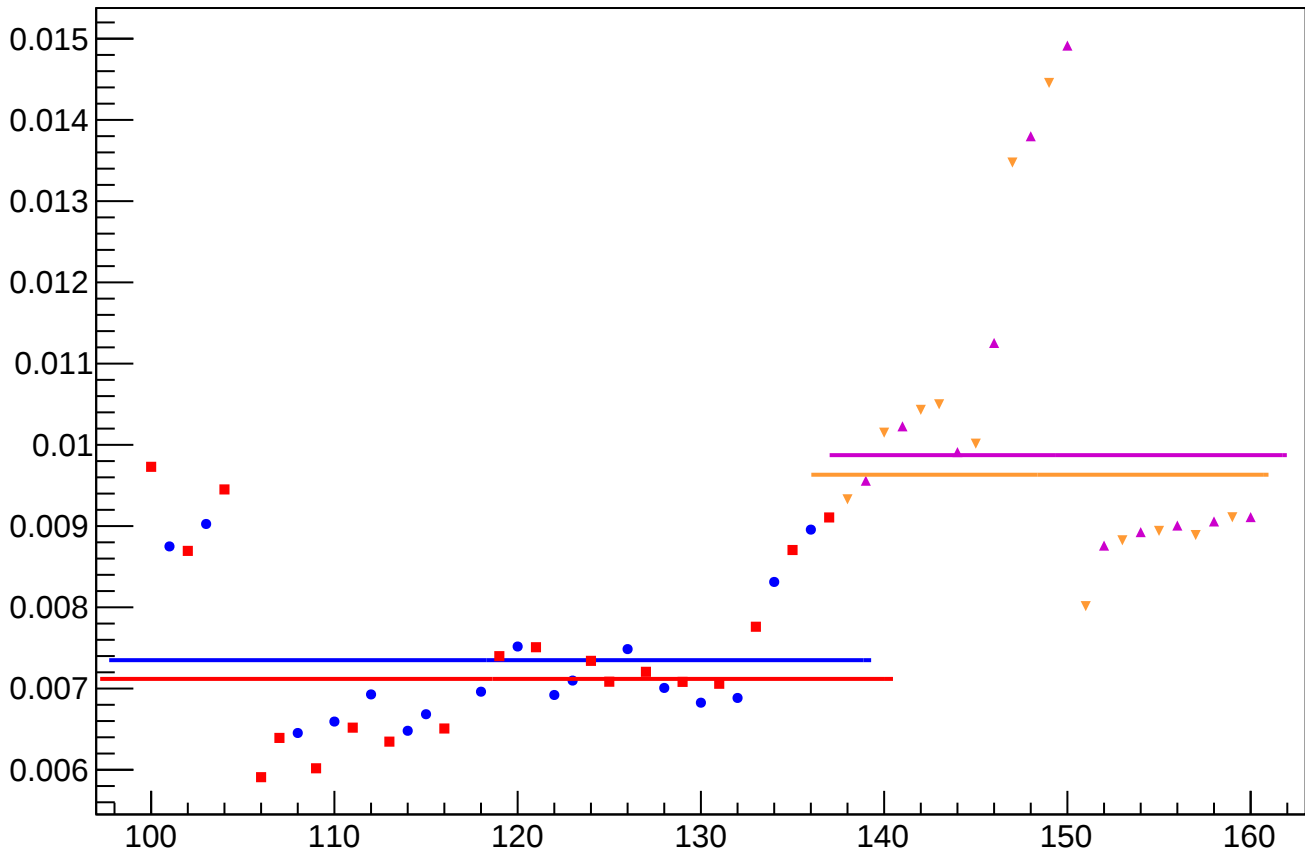
0.793 $\pm$ 0.000 χ^2 /NDF: 41807571114.7/28

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 : 429970.3/11

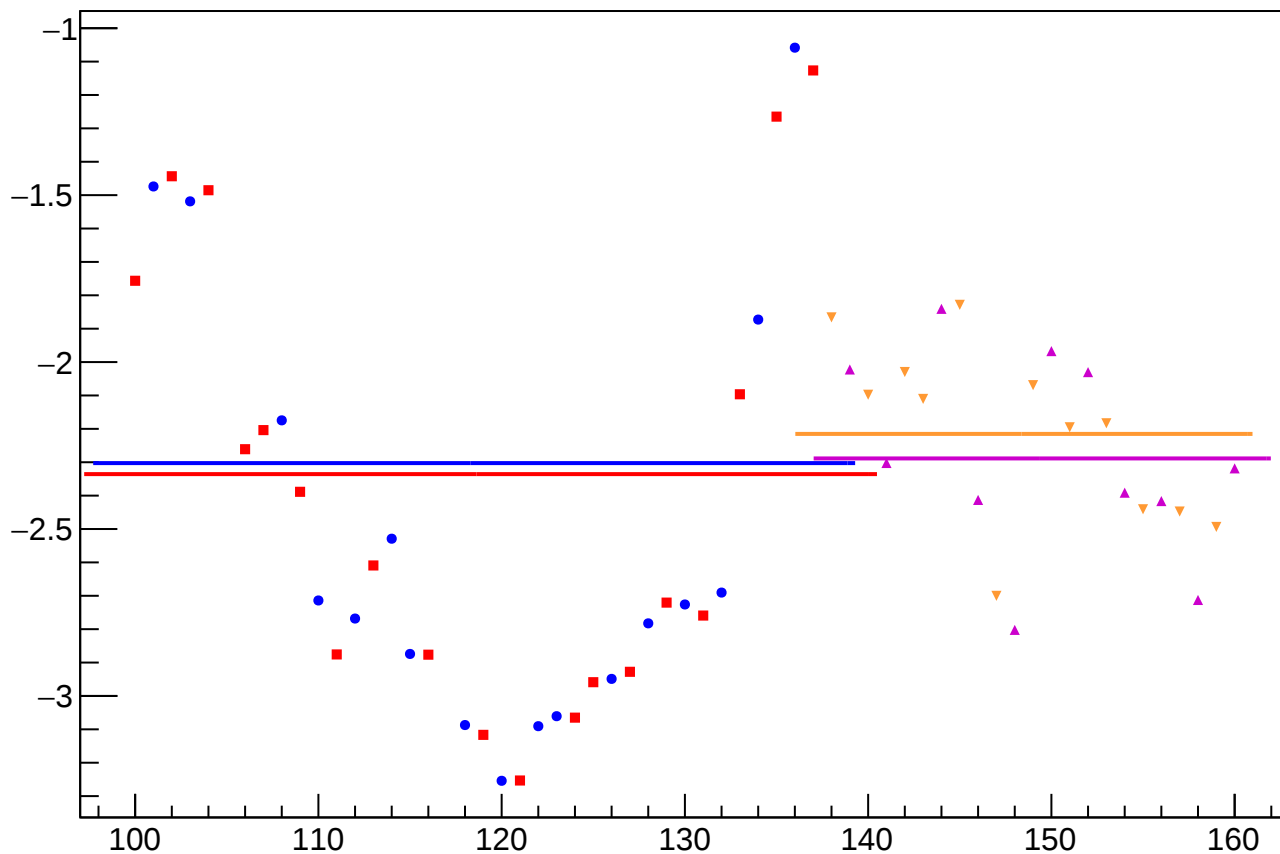
Right Out: 0.007+/-0.000 χ^2/NDF : 259112.0/18

Left In: 0.010+/-0.000 χ^2/NDF : 438424.6/10

0.008+/-0.000 χ^2/NDF : 1163987.0/28

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: -2.215 ± 0.000 χ^2/NDF : 6830557101.5/11

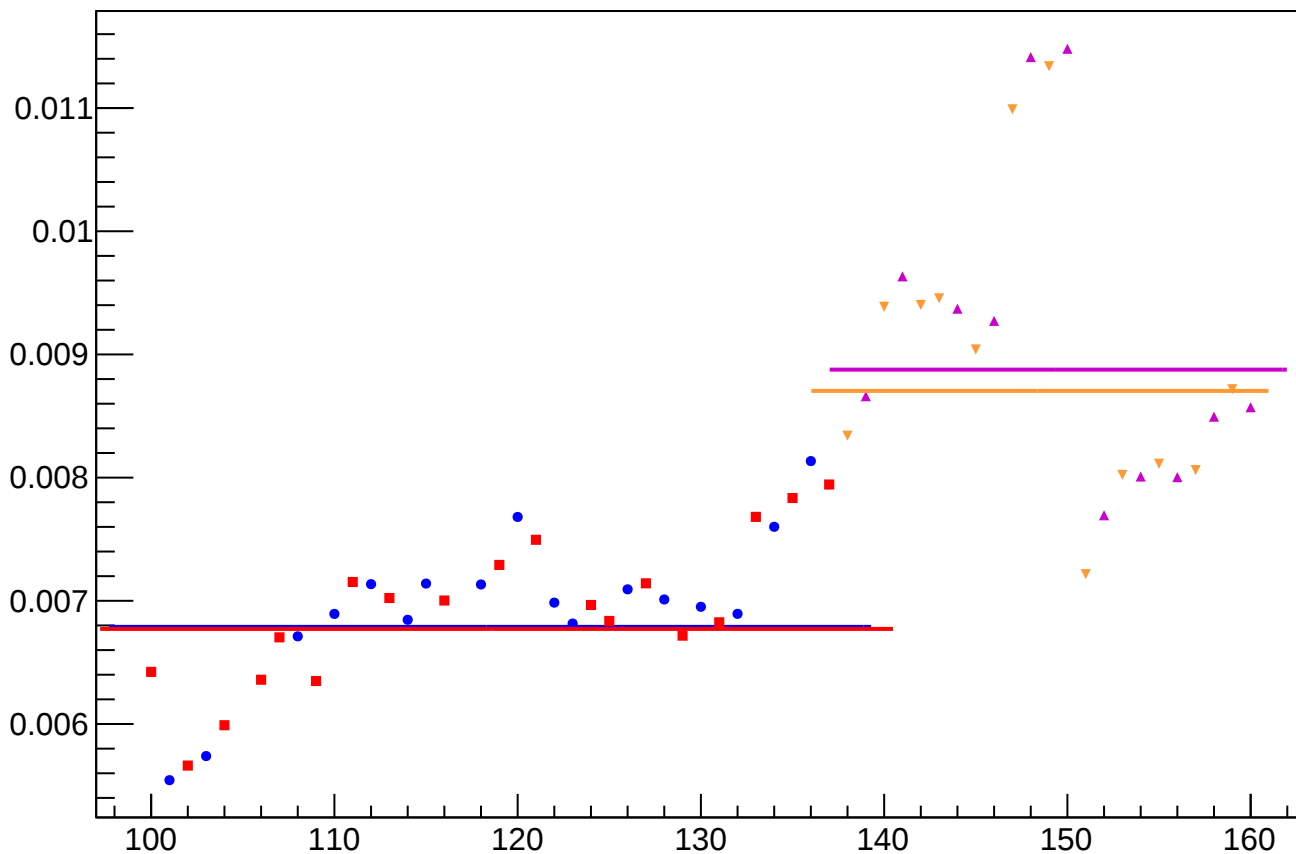
Right Out: -2.336 ± 0.000 χ^2/NDF : 64499162456.4/18

Left In: -2.289 ± 0.000 χ^2/NDF : 8374717982.3/10

-2.264 ± 0.000 χ^2/NDF : 81078309751.3/28

-2.316 ± 0.000 χ^2/NDF : 73016443941.5/29

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 165199.2/16

Left Out: 0.009+/-0.000 χ^2/NDF : 277631.8/11

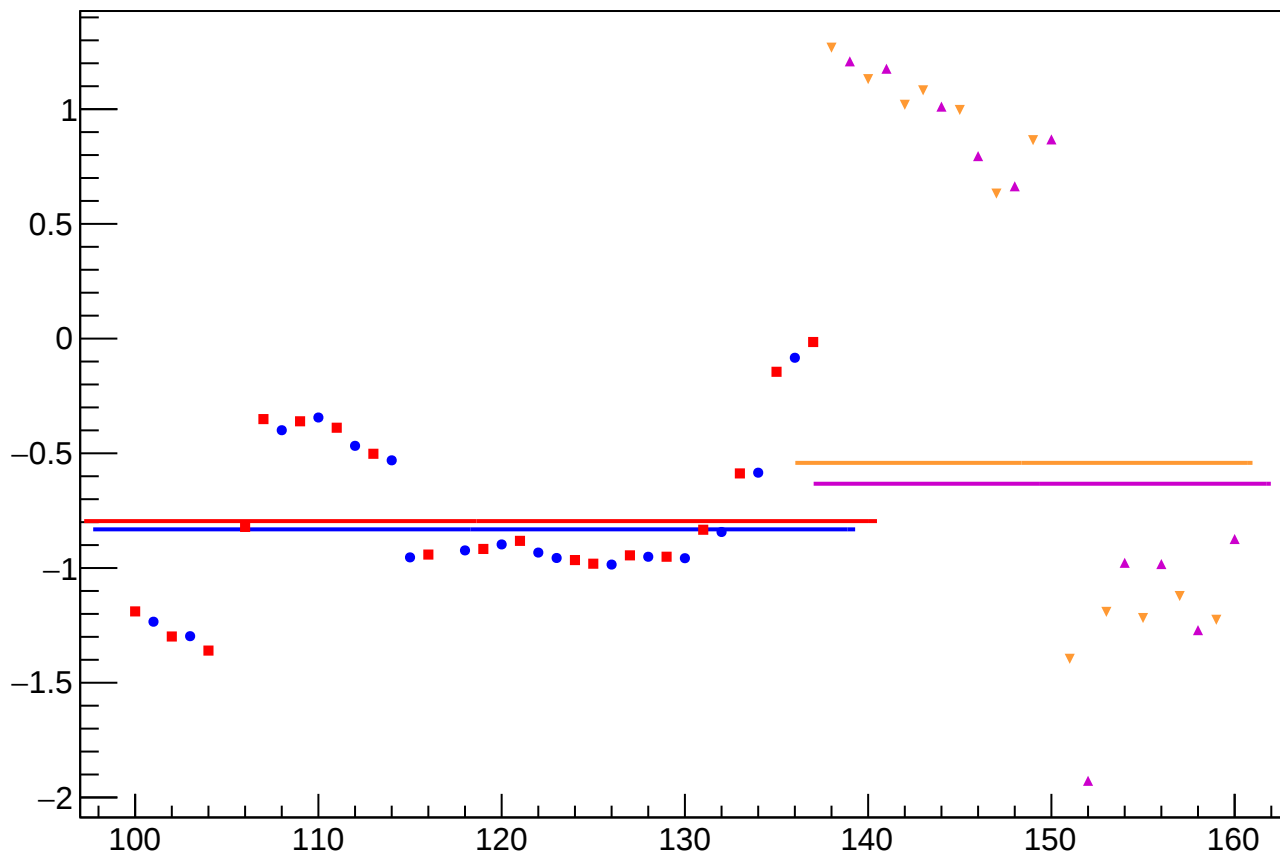
Right Out: 0.007+/-0.000 χ^2/NDF : 123244.0/18

Left In: 0.009+/-0.000 χ^2/NDF : 269659.2/10

0.008+/-0.000 χ^2/NDF : 915006.8/28

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: -0.542 ± 0.000 χ^2/NDF : 107539930032.1/11

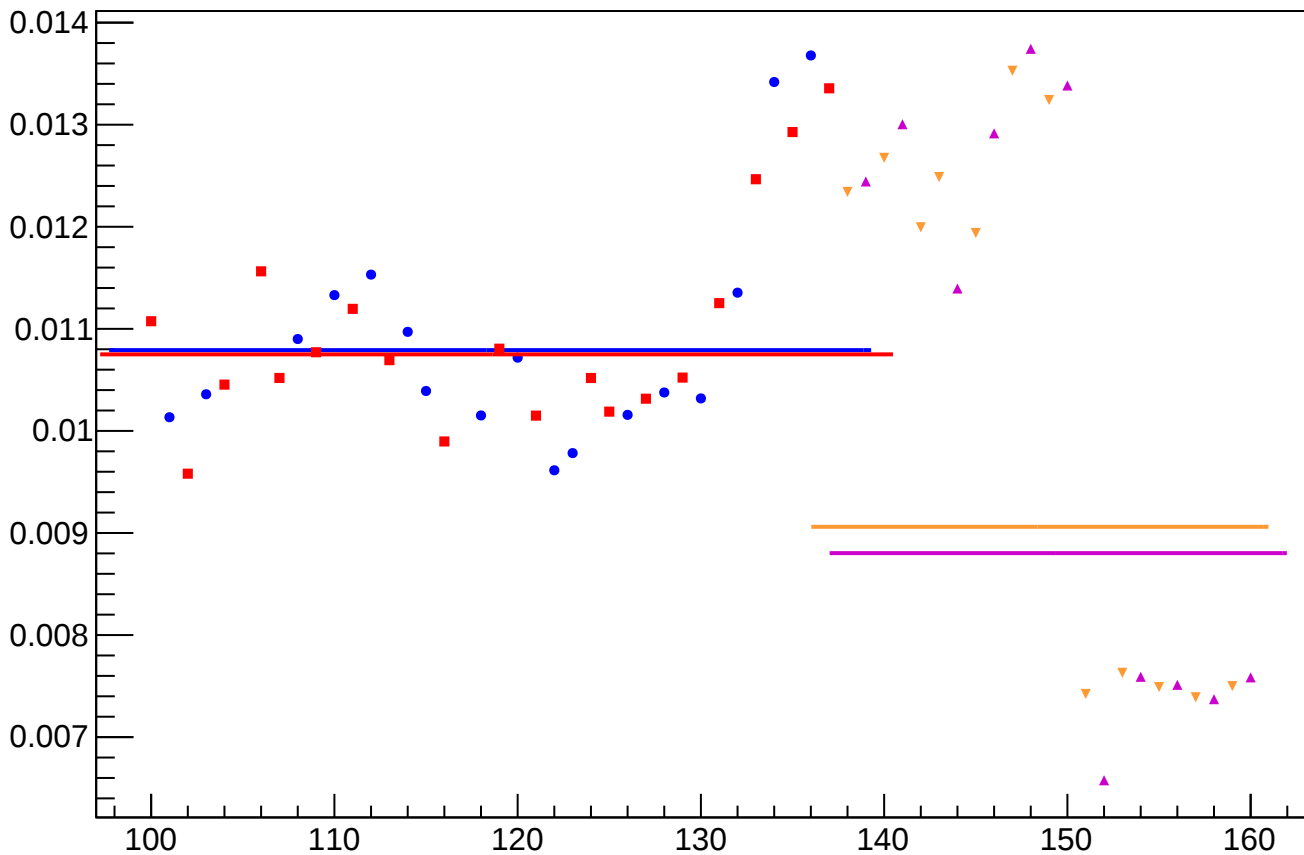
Right Out: -0.796 ± 0.000 χ^2/NDF : 7821744046.6/18

Left In: -0.633 ± 0.000 χ^2/NDF : 117008212760.1/10

-0.646 ± 0.000 χ^2/NDF : 117257154018.6/28

-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 : 1129738.6/11

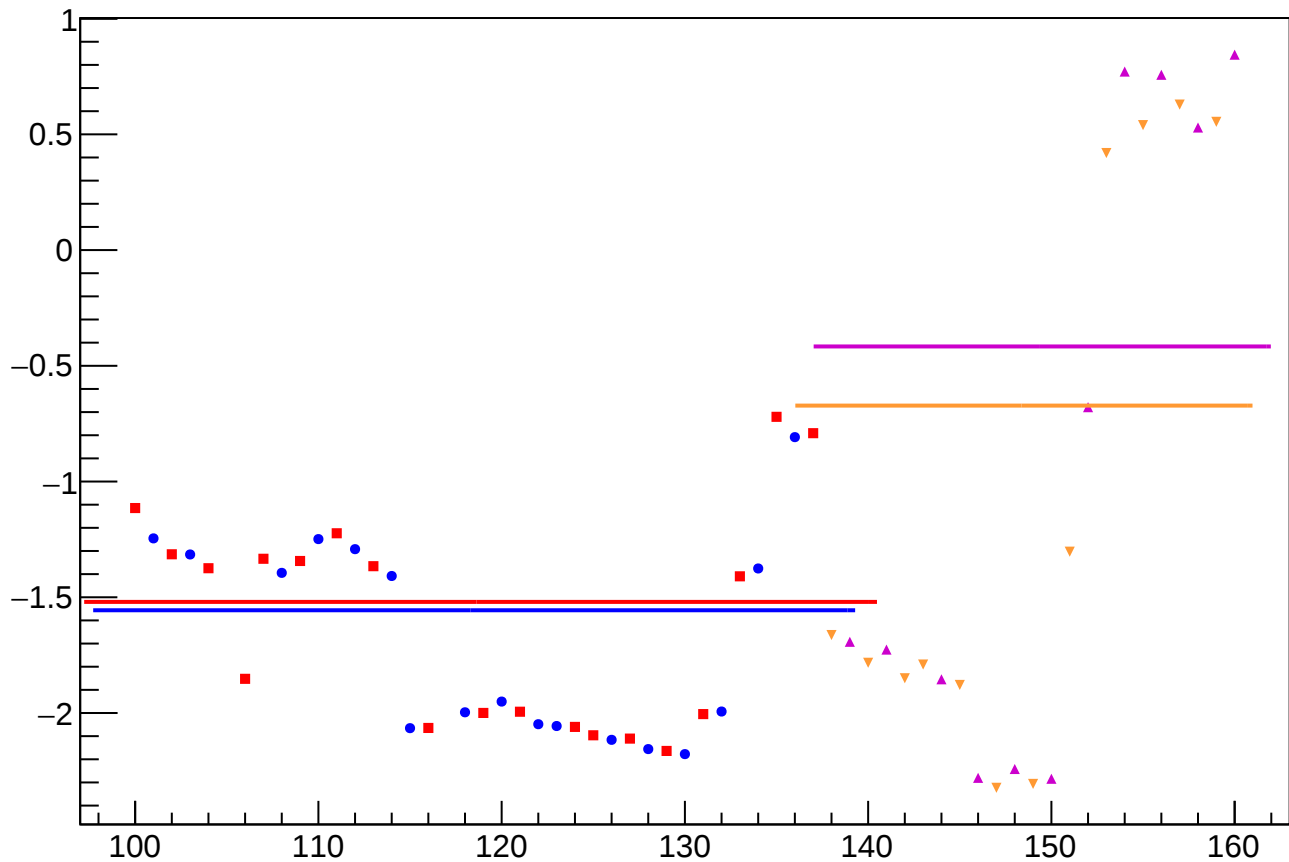
Right Out: 0.011+/-0.000 χ^2/NDF : 90220.8/18

Left In: 0.009+/-0.000 χ^2/NDF : 1306353.6/10

0.010+/-0.000 χ^2/NDF : 1471375.2/28

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: -0.672+/-0.000 χ^2/NDF : 1286906190851.8/11

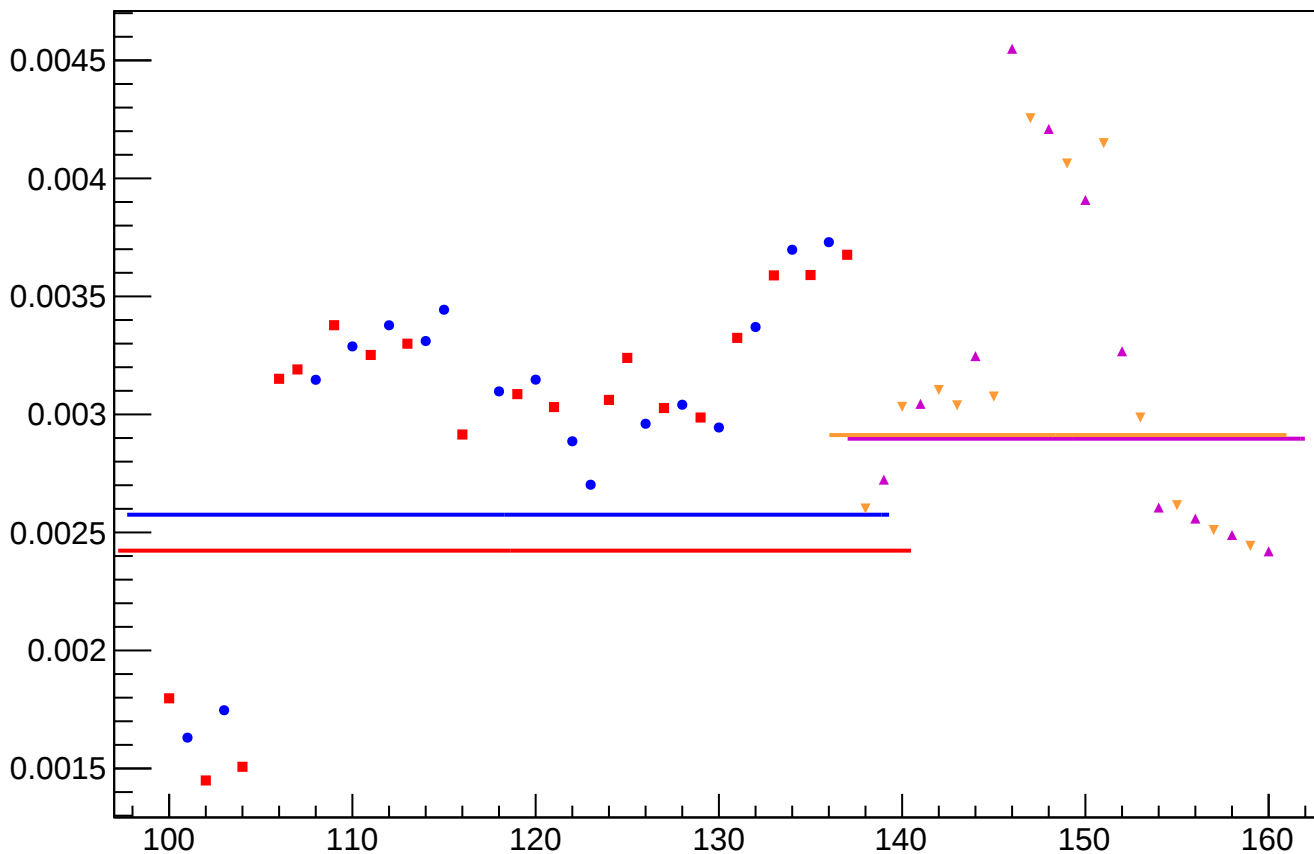
Right Out: -1.520+/-0.000 χ^2/NDF : 138464991806.4/18

Left In: -0.416+/-0.000 χ^2/NDF : 1439346137382.5/10

-1.102+/-0.000 χ^2/NDF : 1784330419091.0/28

-0.986+/-0.000 χ^2/NDF : 2146558691653.9/29

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1013833.9/16

Left Out: 0.003+/-0.000 χ^2/NDF : 464578.7/11

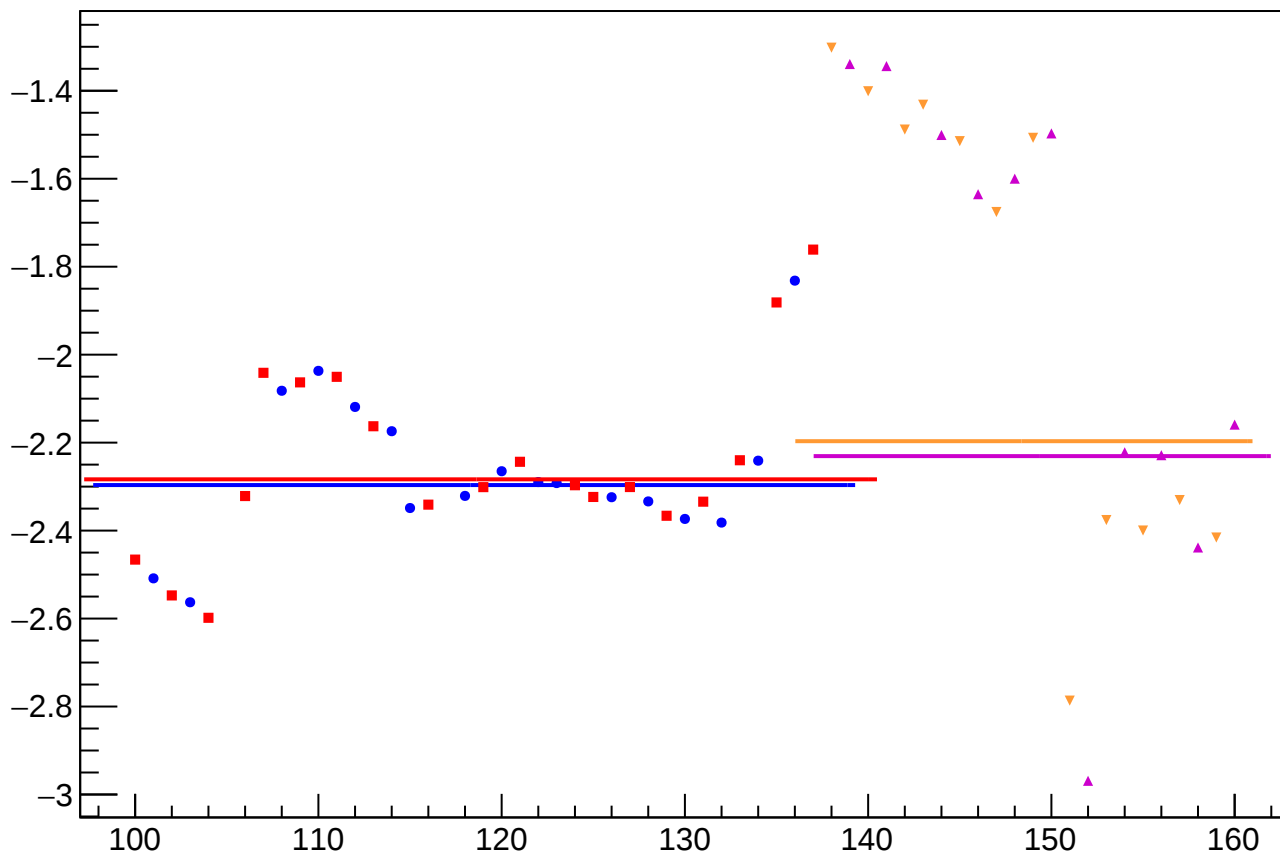
Right Out: 0.002+/-0.000 χ^2/NDF : 1490134.1/18

Left In: 0.003+/-0.000 χ^2/NDF : 541155.3/10

0.003+/-0.000 χ^2/NDF : 1578173.1/28

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: -2.197+/-0.000 χ^2/NDF : 50893124278.1/11

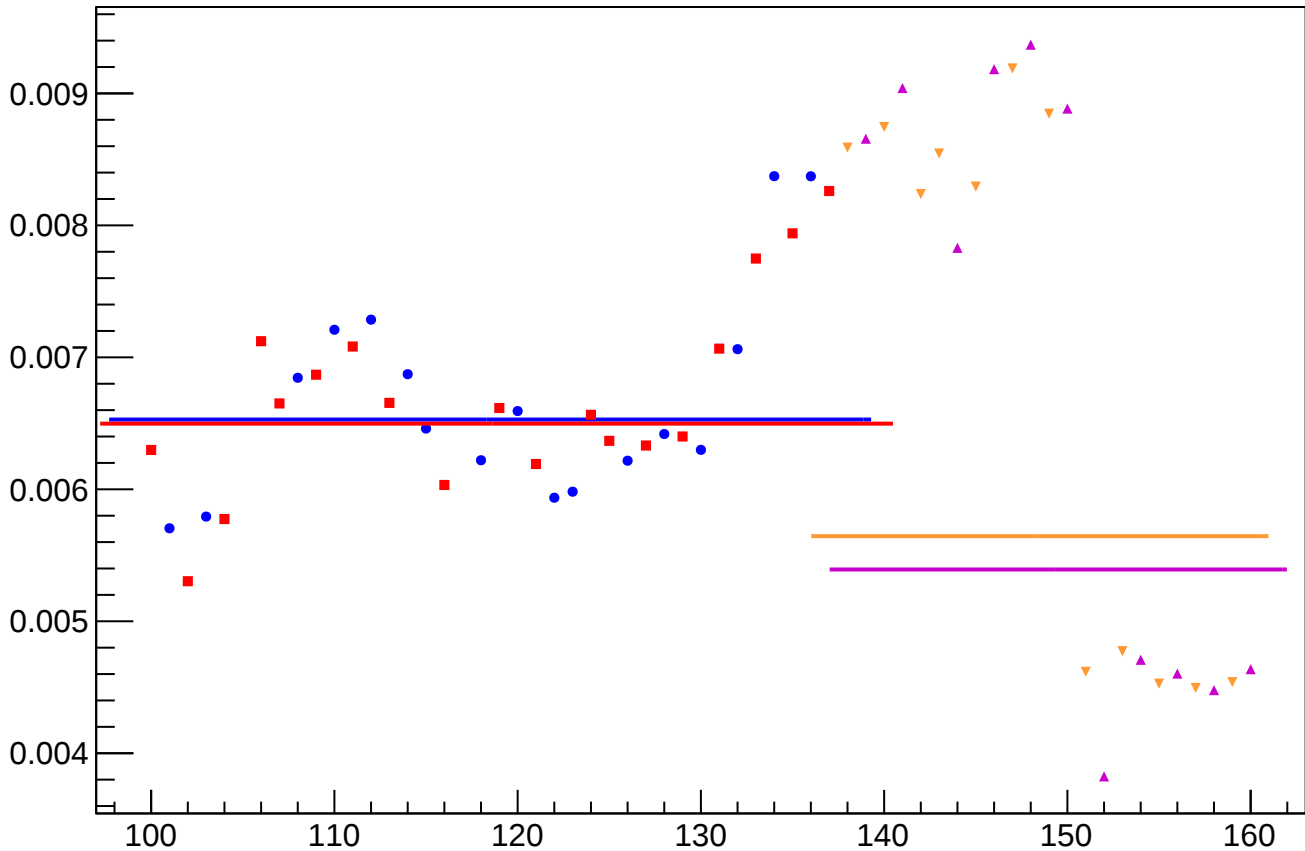
Right Out: -2.283+/-0.000 χ^2/NDF : 6548716896.9/18

Left In: -2.231+/-0.000 χ^2/NDF : 65718970044.9/10

-2.235+/-0.000 χ^2/NDF : 57607645459.1/28

-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: 0.006+/-0.000 χ^2/NDF :1567866.2/11

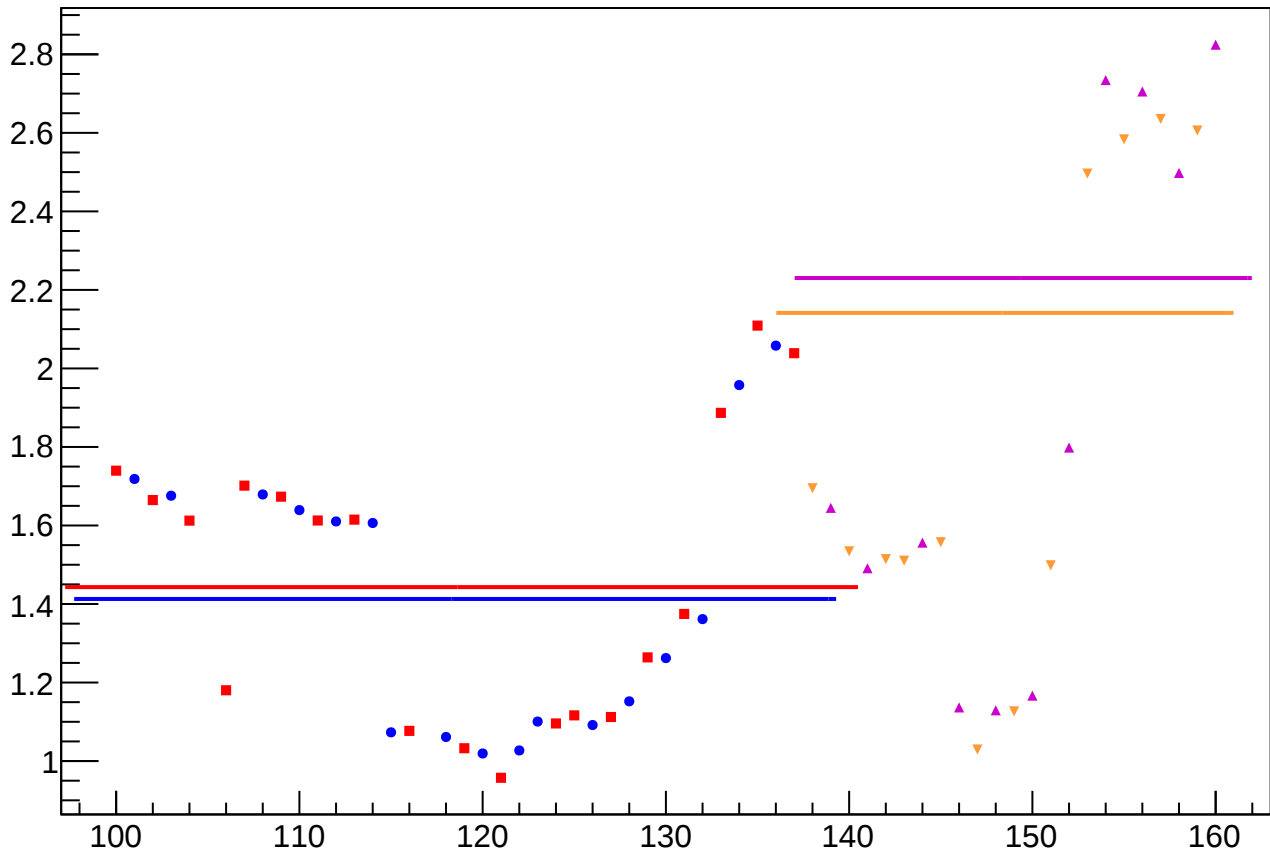
Right Out: 0.006+/-0.000 χ^2/NDF : 164144.2/18

Left In: 0.005+/-0.000 χ^2/NDF :1845345.5/10

0.006+/-0.000 χ^2/NDF : 1890537.3/28

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: 2.142+/-0.000 χ^2/NDF : 141951272525.0/11

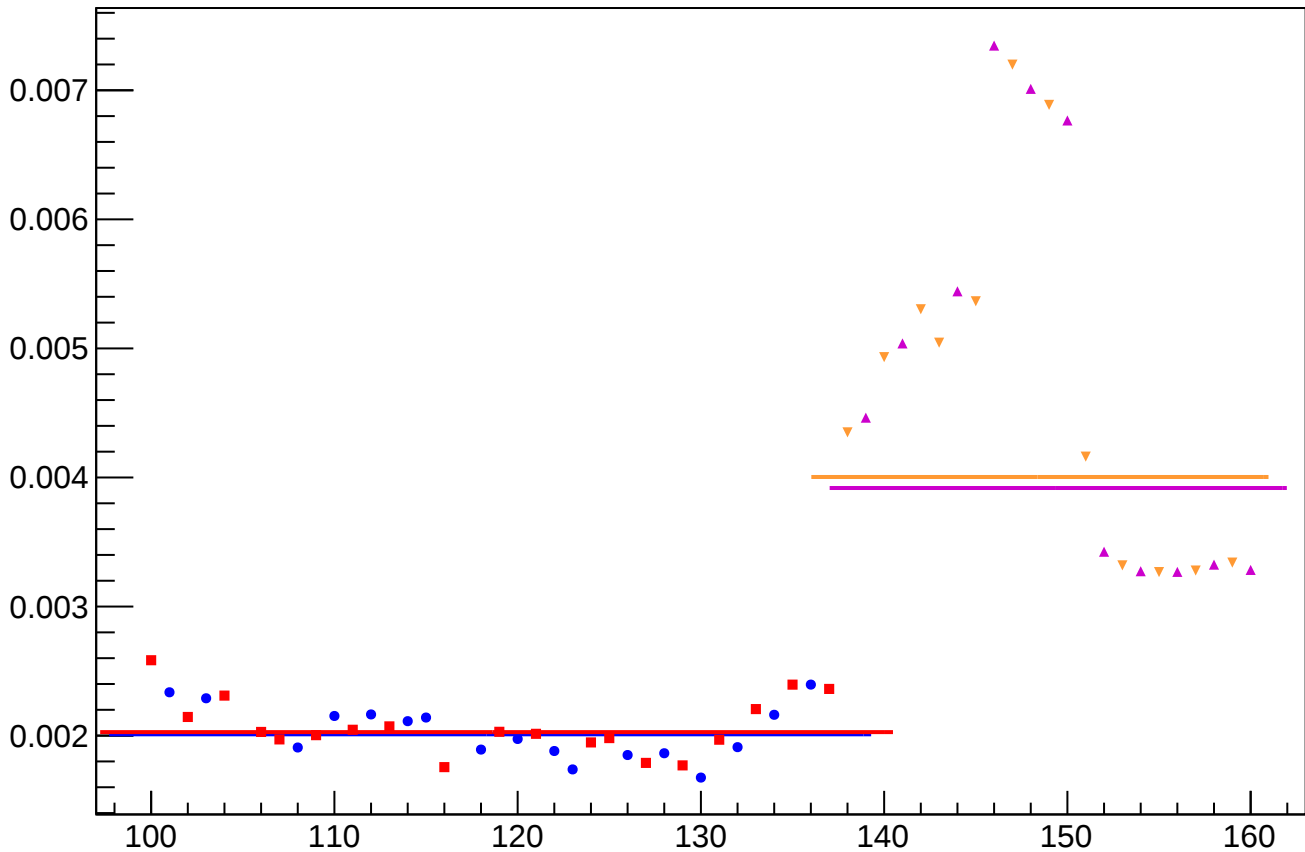
1.587+/-0.000 χ^2/NDF : 508246785125.8/28

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 : 994323.0/11

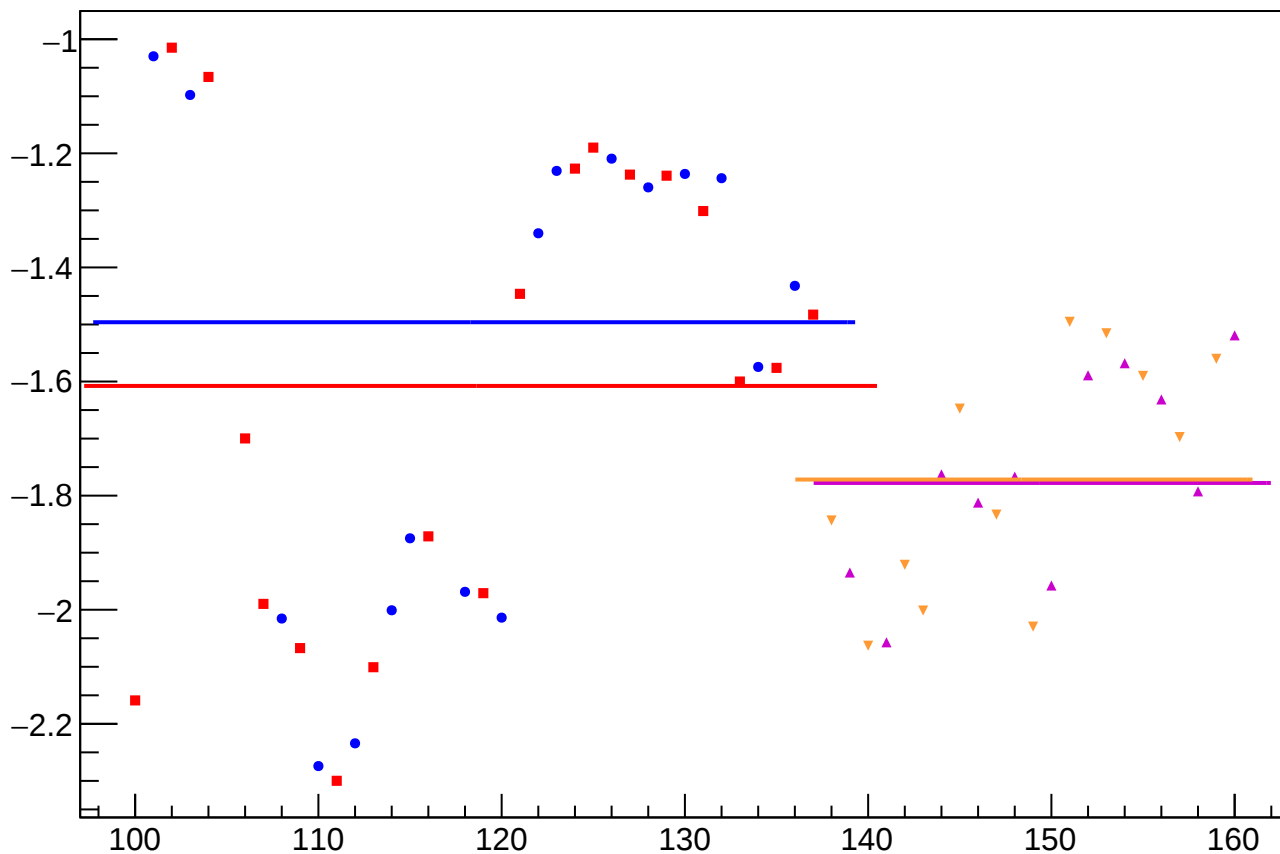
Right Out: 0.002+/-0.000 χ^2/NDF : 103926.2/18

Left In: 0.004+/-0.000 χ^2/NDF : 1244503.2/10

0.002+/-0.000 χ^2/NDF : 4047567.6/28

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: -1.772+/-0.000 χ^2/NDF : 9619469586.4/11

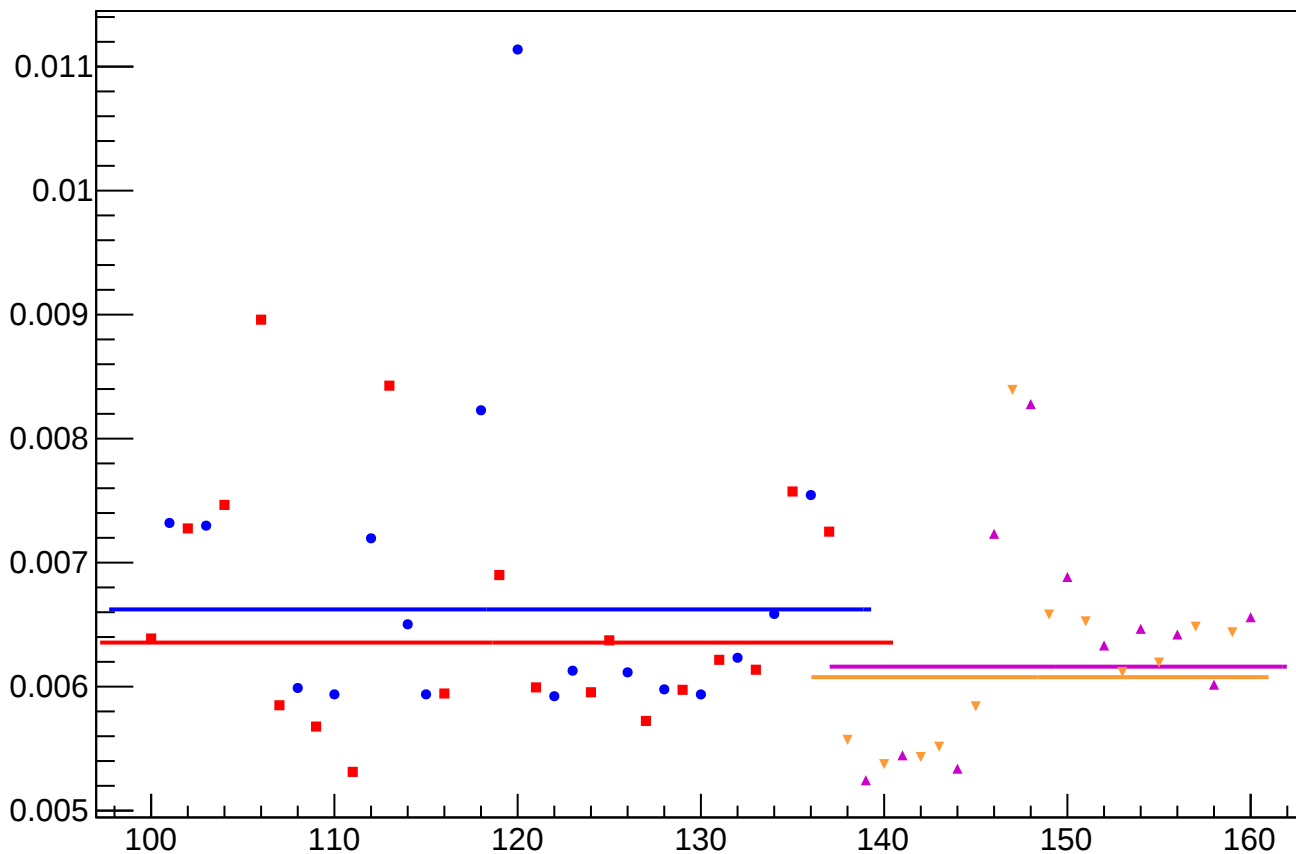
Right Out: -1.608+/-0.000 χ^2/NDF : 27836461057.4/18

Left In: -1.778+/-0.000 χ^2/NDF : 6414091747.2/10

-1.667+/-0.000 χ^2/NDF : 38693632148.6/28

-1.705+/-0.000 χ^2/NDF : 36944117508.5/29

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 232630.4/16

Left Out: 0.006+/-0.000 χ^2/NDF :198735.3/11

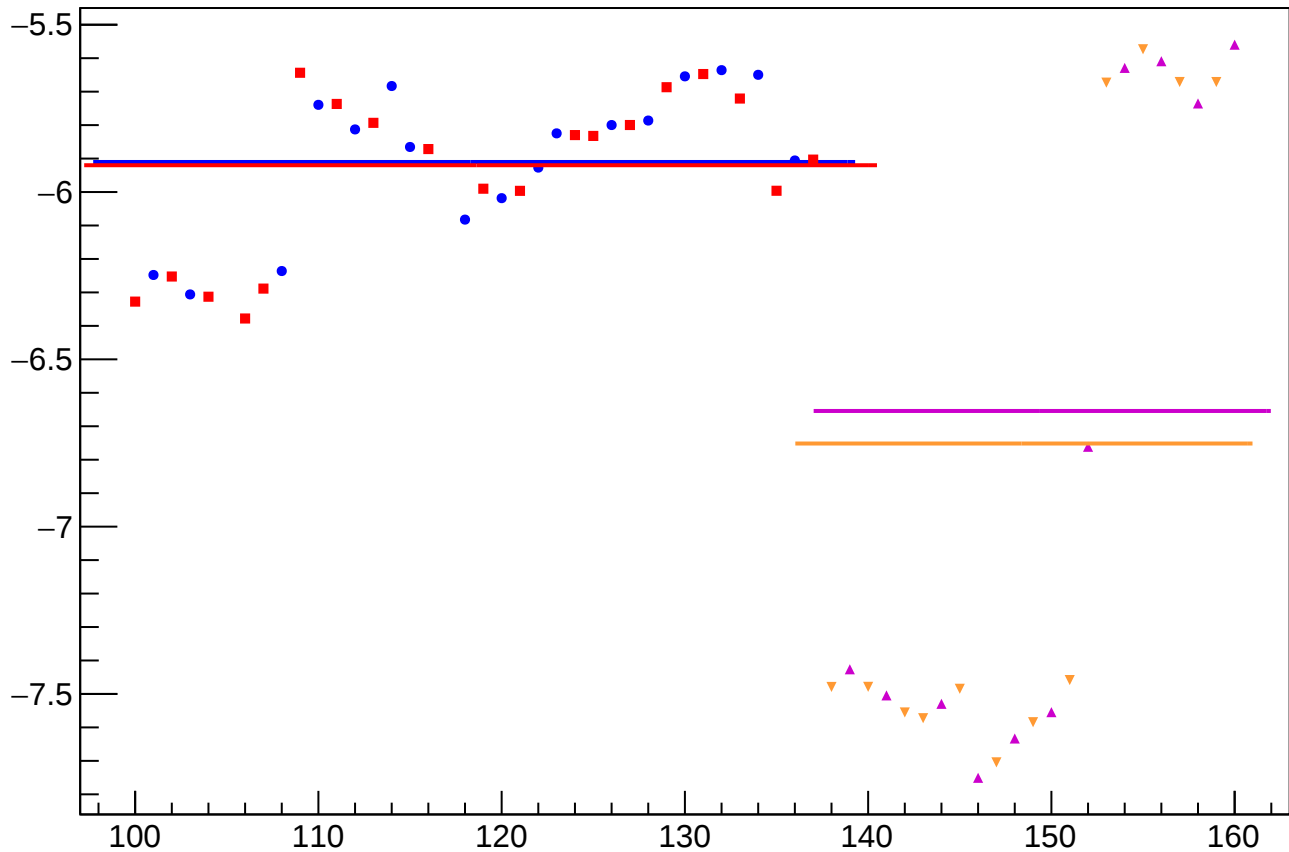
Right Out: 0.006+/-0.000 χ^2/NDF : 227861.1/18

Left In: 0.006+/-0.000 χ^2/NDF :263153.7/10

0.006+/-0.000 χ^2/NDF : 482777.2/28

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: -6.752+/-0.000 χ^2/NDF : 101000655742.1/11

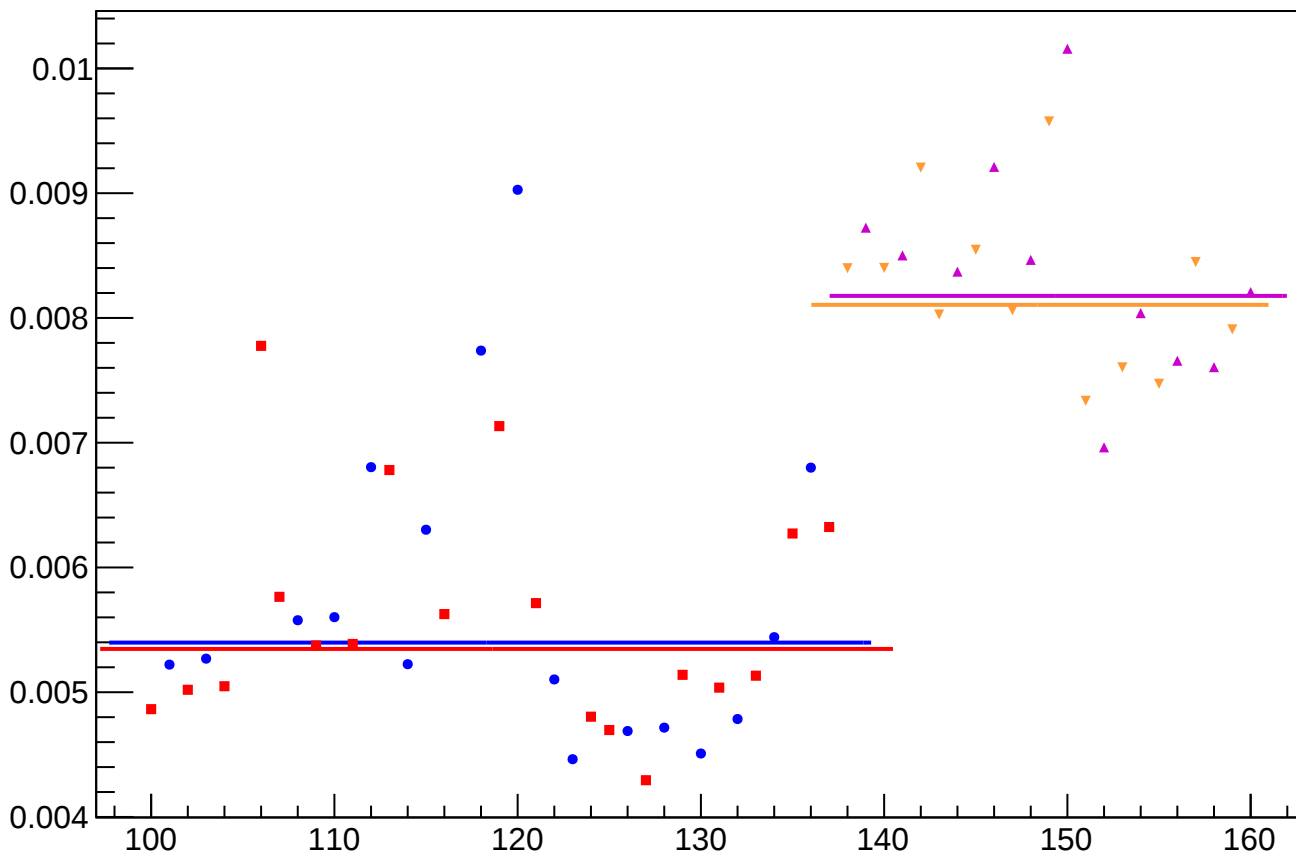
-6.216+/-0.000 χ^2/NDF : 164316963689.4/28

Right Out: -5.920+/-0.000 χ^2/NDF : 12785618366.8/18

-6.171+/-0.000 χ^2/NDF : 148137051004.1/29

Left In: -6.654+/-0.000 χ^2/NDF : 94193278555.9/10

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 : 83247.2/11

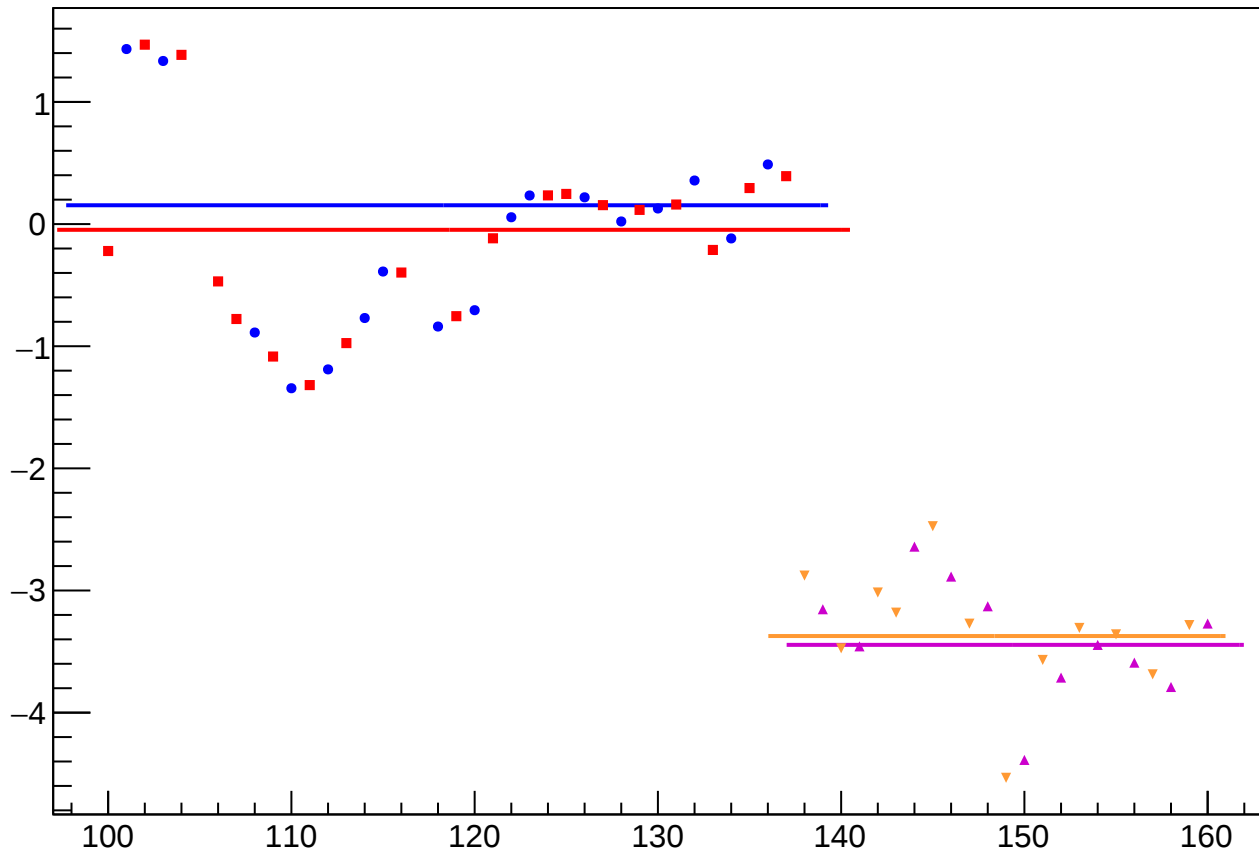
Right Out: 0.005+/-0.000 χ^2/NDF : 249377.5/18

Left In: 0.008+/-0.000 χ^2/NDF : 140927.1/10

0.006+/-0.000 χ^2/NDF : 1534780.1/28

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: -3.373+/-0.000 χ^2/NDF : 6945137026.1/11

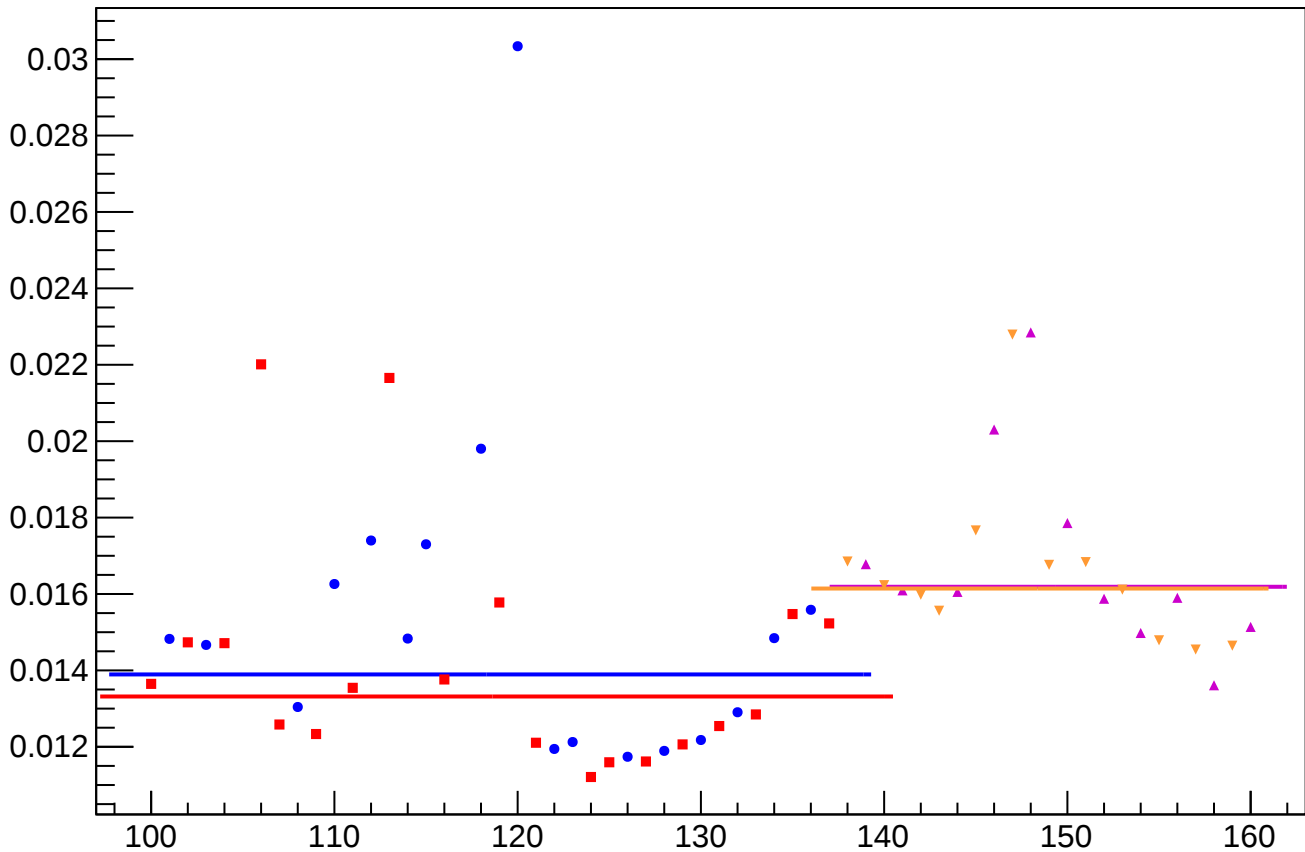
-1.658+/-0.000 χ^2/NDF : 219977310353.3/28

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 : 187600.7/11

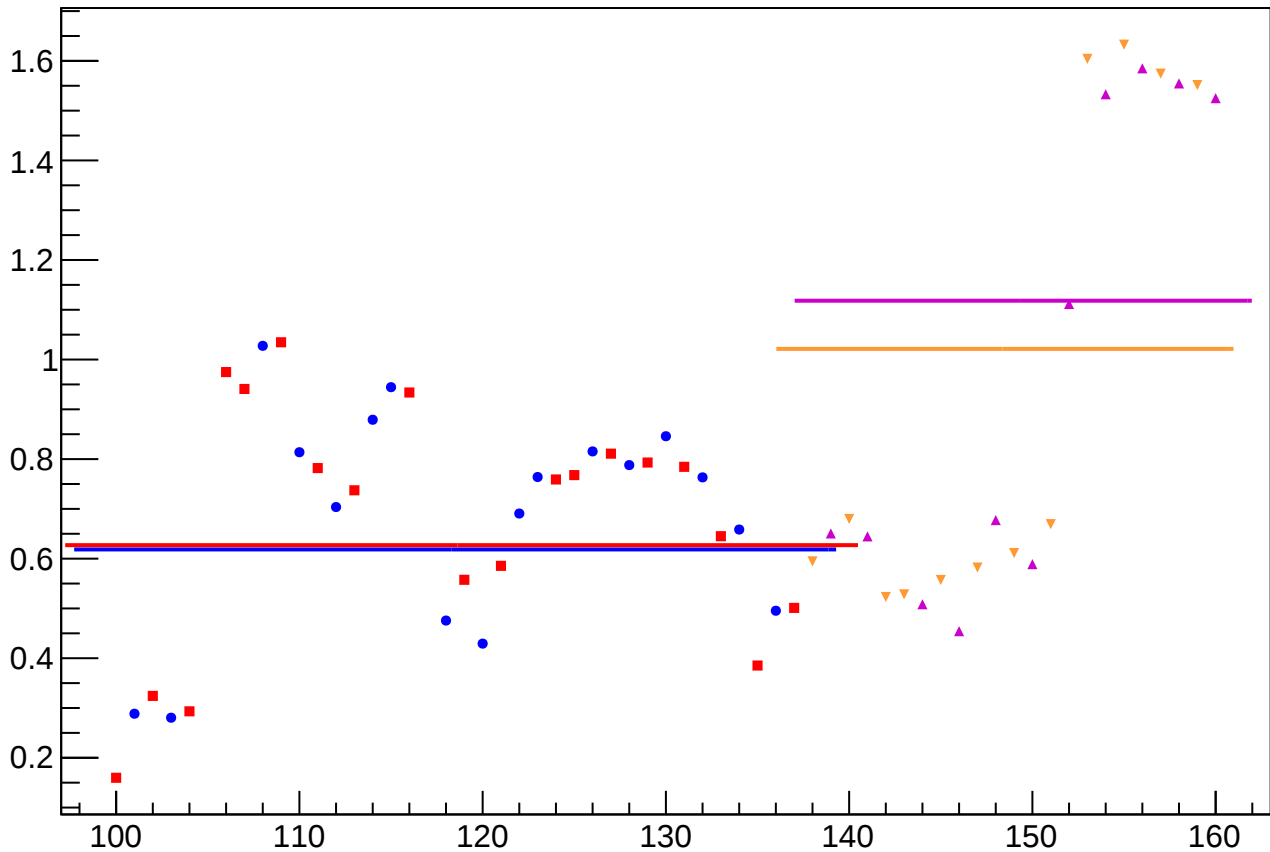
Right Out: 0.013 ± 0.000 χ^2/NDF : 291358.0/18

Left In: 0.016 ± 0.000 χ^2/NDF : 273961.1/10

0.015 ± 0.000 χ^2/NDF : 747534.3/28

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: 1.021+/-0.000 χ^2/NDF : 38951683836.0/11

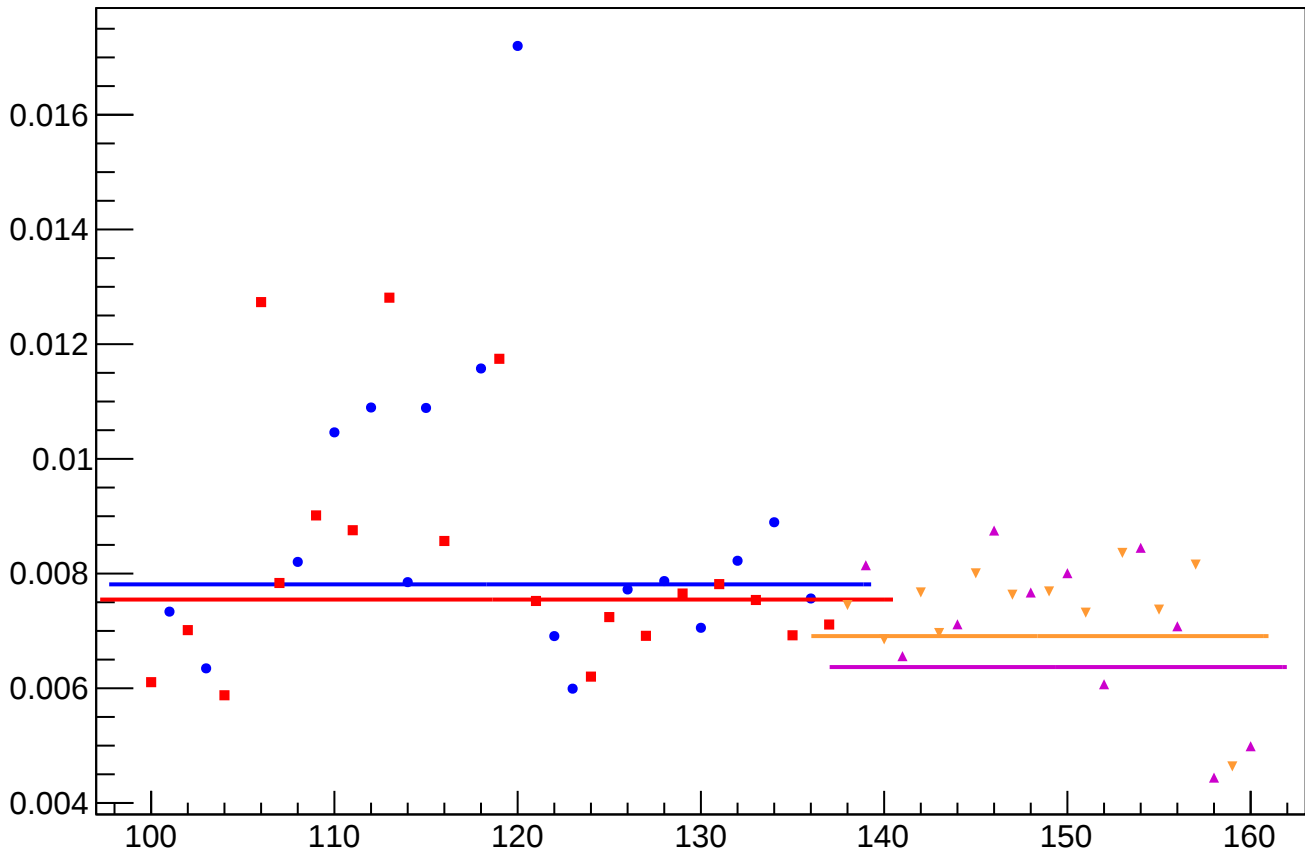
Right Out: 0.627+/-0.000 χ^2/NDF : 6337935219.4/18

Left In: 1.118+/-0.000 χ^2/NDF : 39534961546.3/10

0.874+/-0.000 χ^2/NDF : 54184713839.6/28

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 :528371.4/11

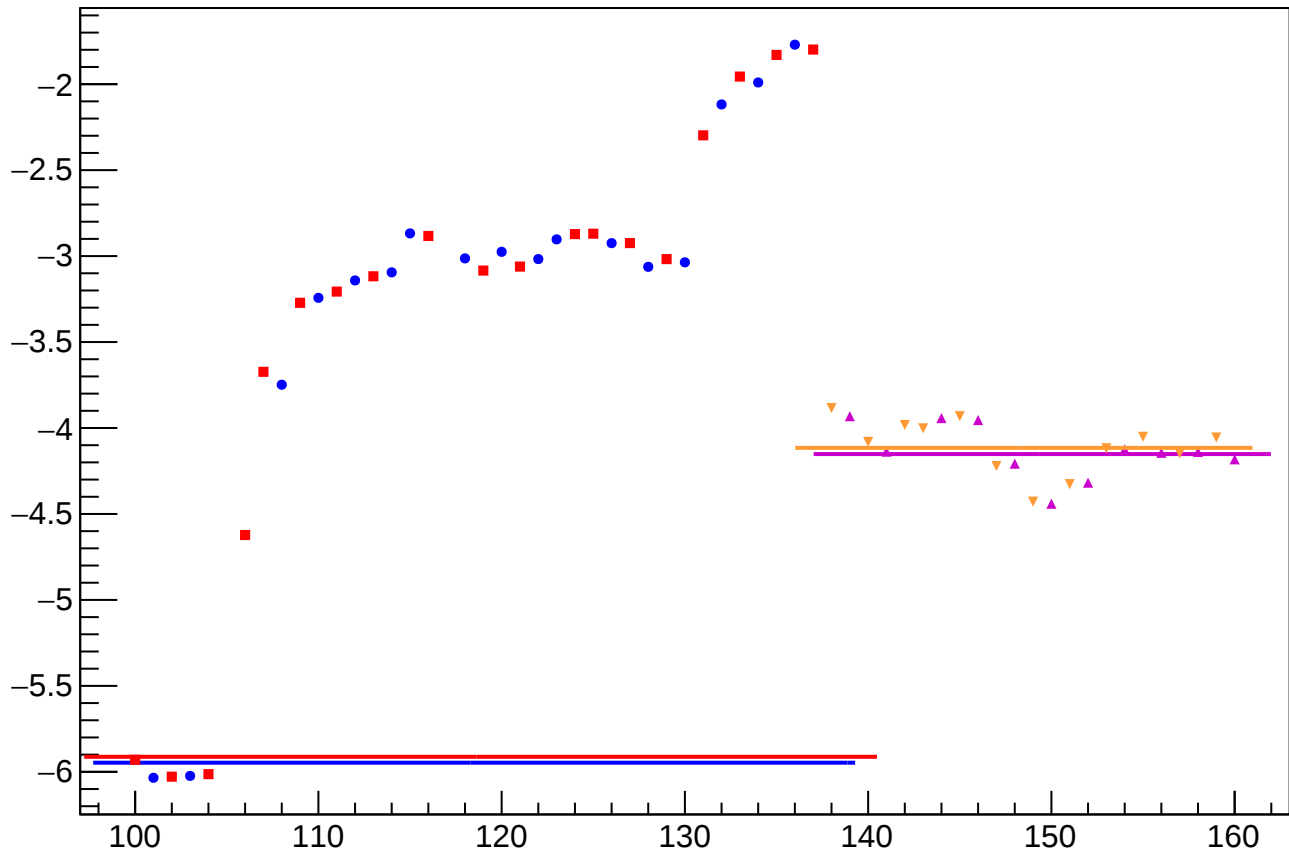
Right Out: 0.008+/-0.000 χ^2/NDF : 441823.4/18

Left In: 0.006+/-0.000 χ^2/NDF :815151.8/10

0.007+/-0.000 χ^2/NDF : 1093608.9/28

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: -4.116+/-0.000 χ^2/NDF : 29562880.8/11

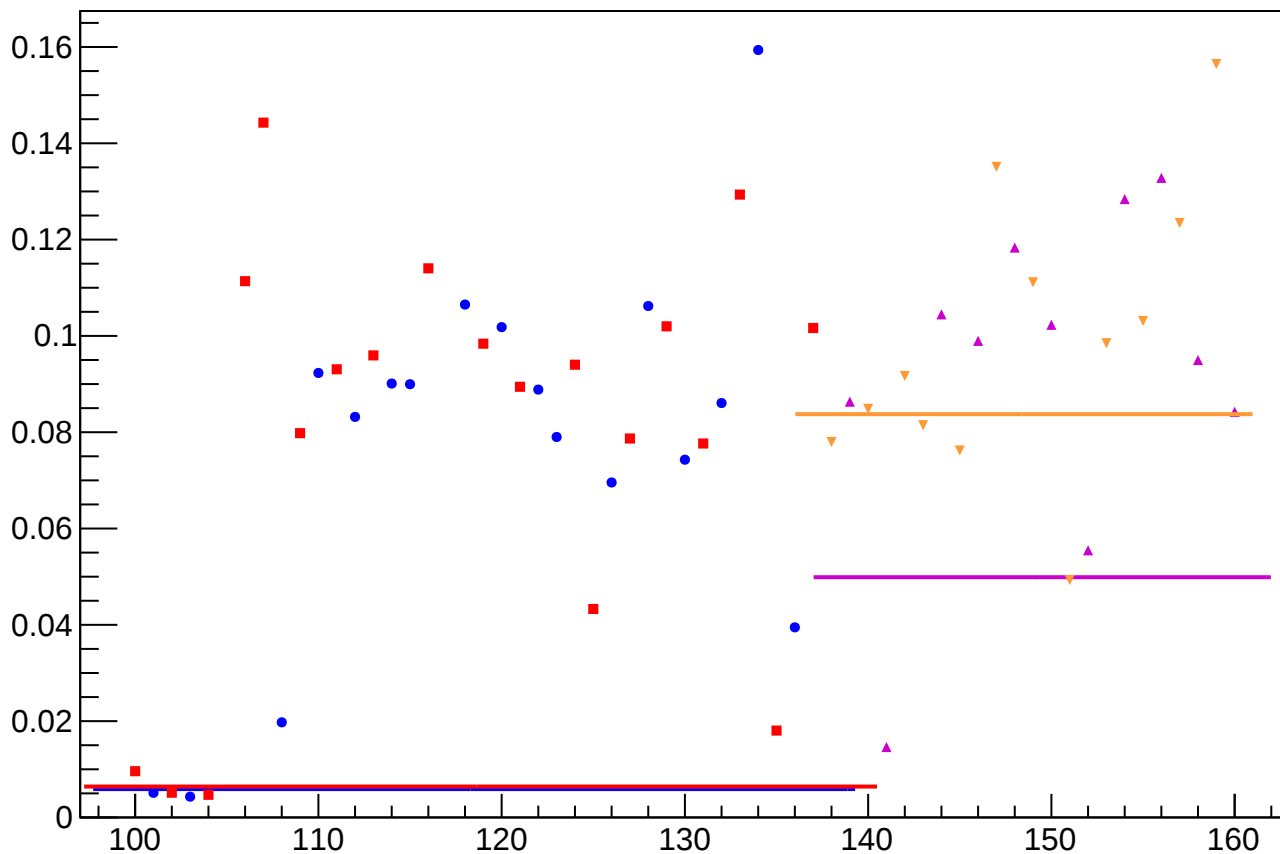
-5.909+/-0.000 χ^2/NDF : 16515776893.2/28

Right Out: -5.912+/-0.000 χ^2/NDF : 14619971495.0/18

-5.840+/-0.000 χ^2/NDF : 19536375024.8/29

Left In: -4.152+/-0.000 χ^2/NDF : 21049775.5/10

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 7934545.2/16

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:1376515.0/11

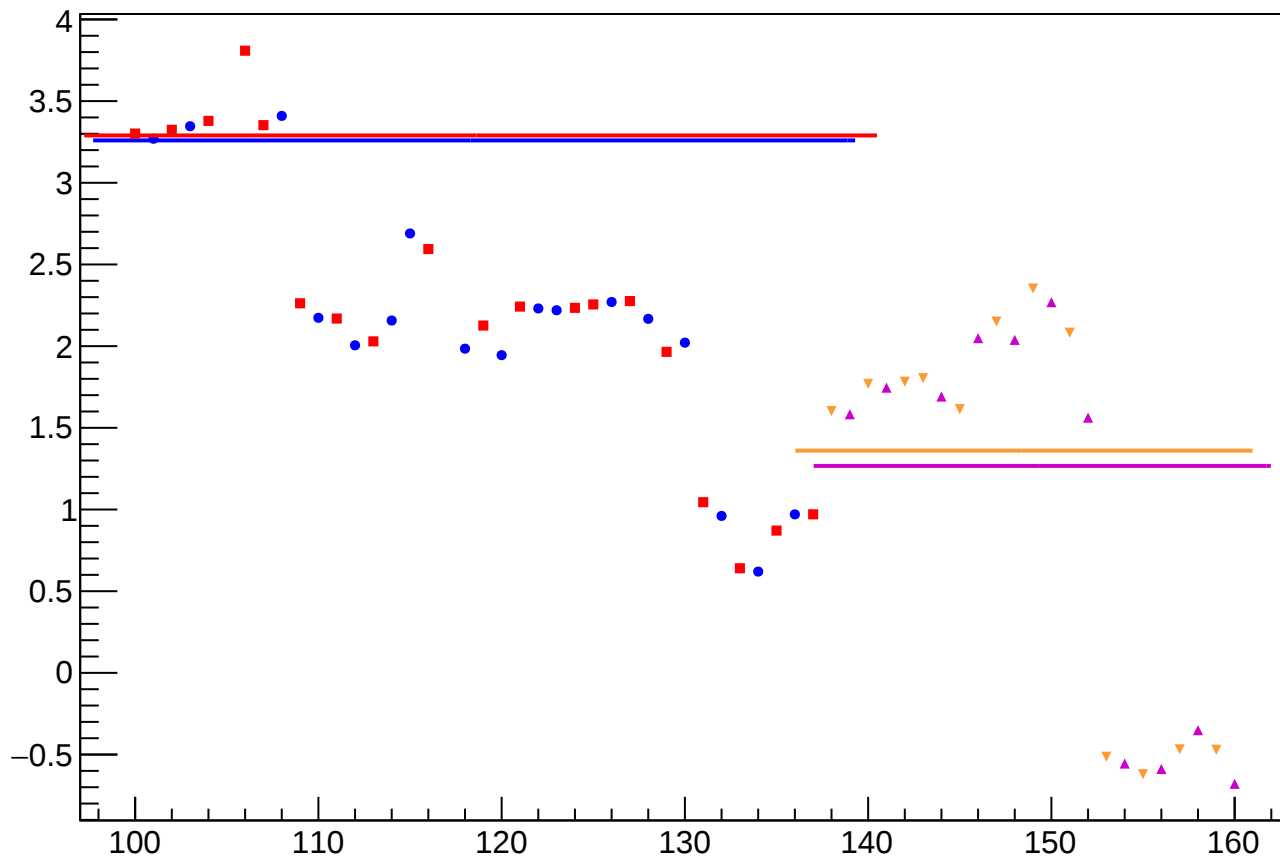
Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8498586.9/18

Left In: 0.050 $\pm$ 0.000 χ^2 /NDF:5534186.1/10

0.008 $\pm$ 0.000 χ^2 /NDF: 21314185.8/28

0.008 $\pm$ 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: 1.360+/-0.000 χ^2/NDF : 963447575.9/11

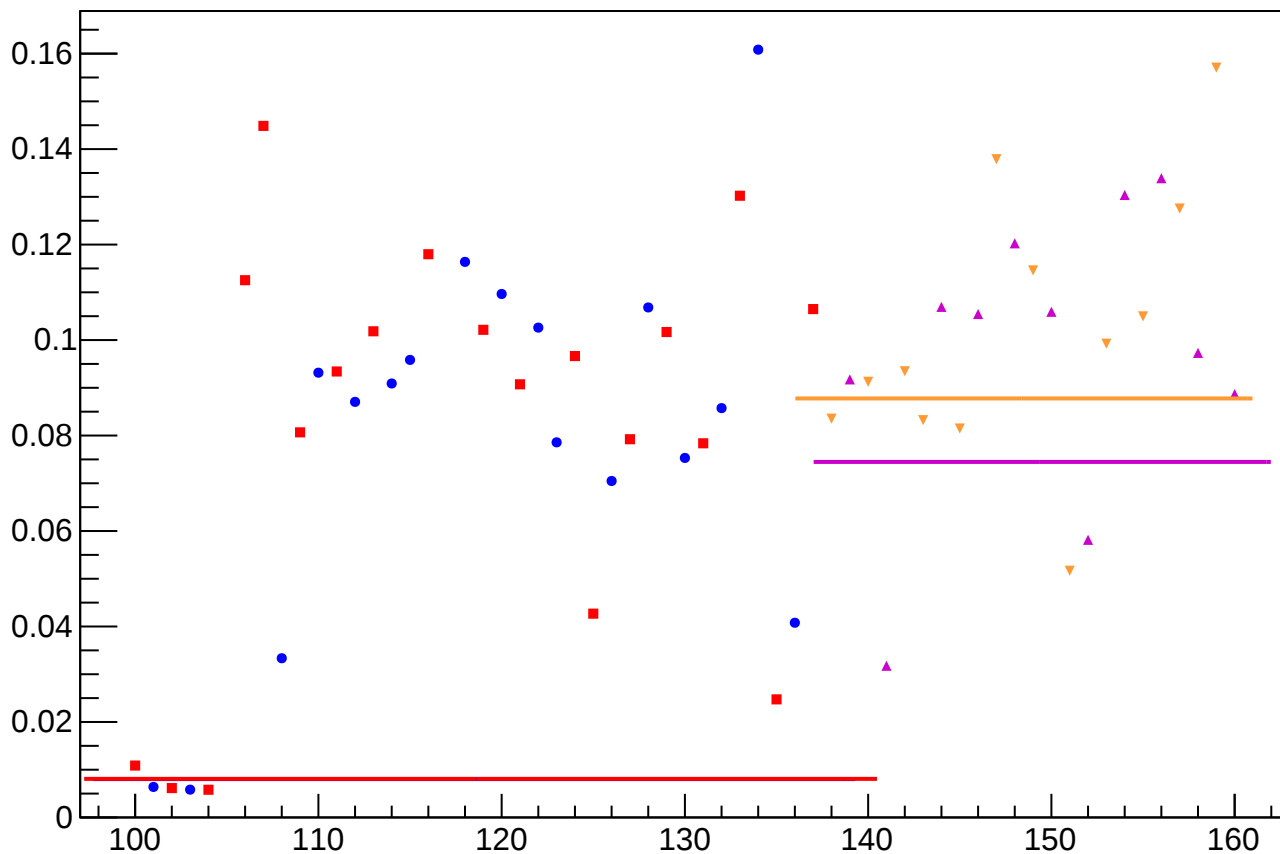
Right Out: 3.290+/-0.000 χ^2/NDF : 3262231575.5/18

Left In: 1.267+/-0.000 χ^2/NDF : 982340017.2/10

3.200+/-0.000 χ^2/NDF : 7129365975.5/28

3.213+/-0.000 χ^2/NDF : 8344135308.5/29

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7742048.1/16

Left Out: 0.088 $\pm$ 0.000 χ^2 /NDF:1272101.7/11

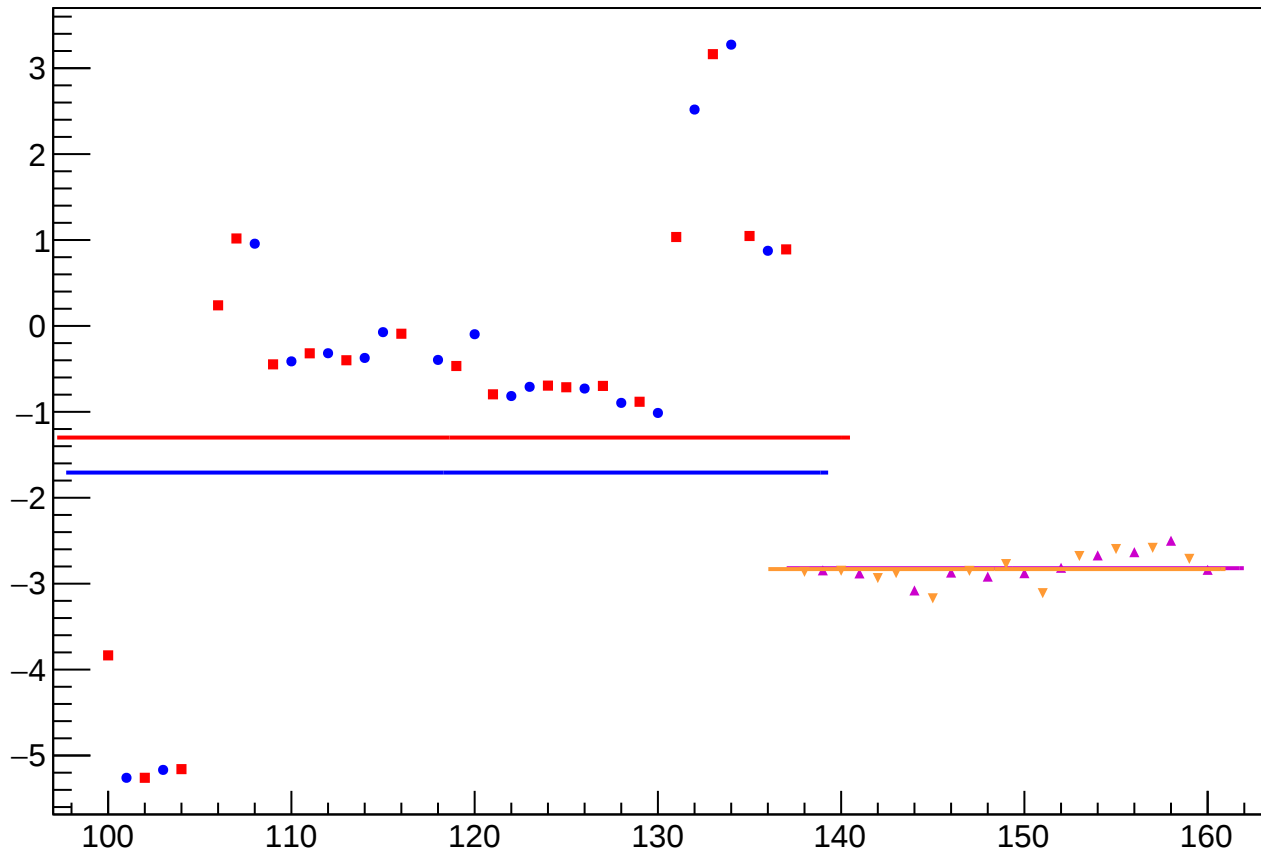
Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8309426.5/18

Left In: 0.074 $\pm$ 0.000 χ^2 /NDF:2526948.7/10

0.011 $\pm$ 0.000 χ^2 /NDF: 20450390.1/28

0.011 $\pm$ 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: -2.830+/-0.000 χ^2/NDF : 4308571896.5/11

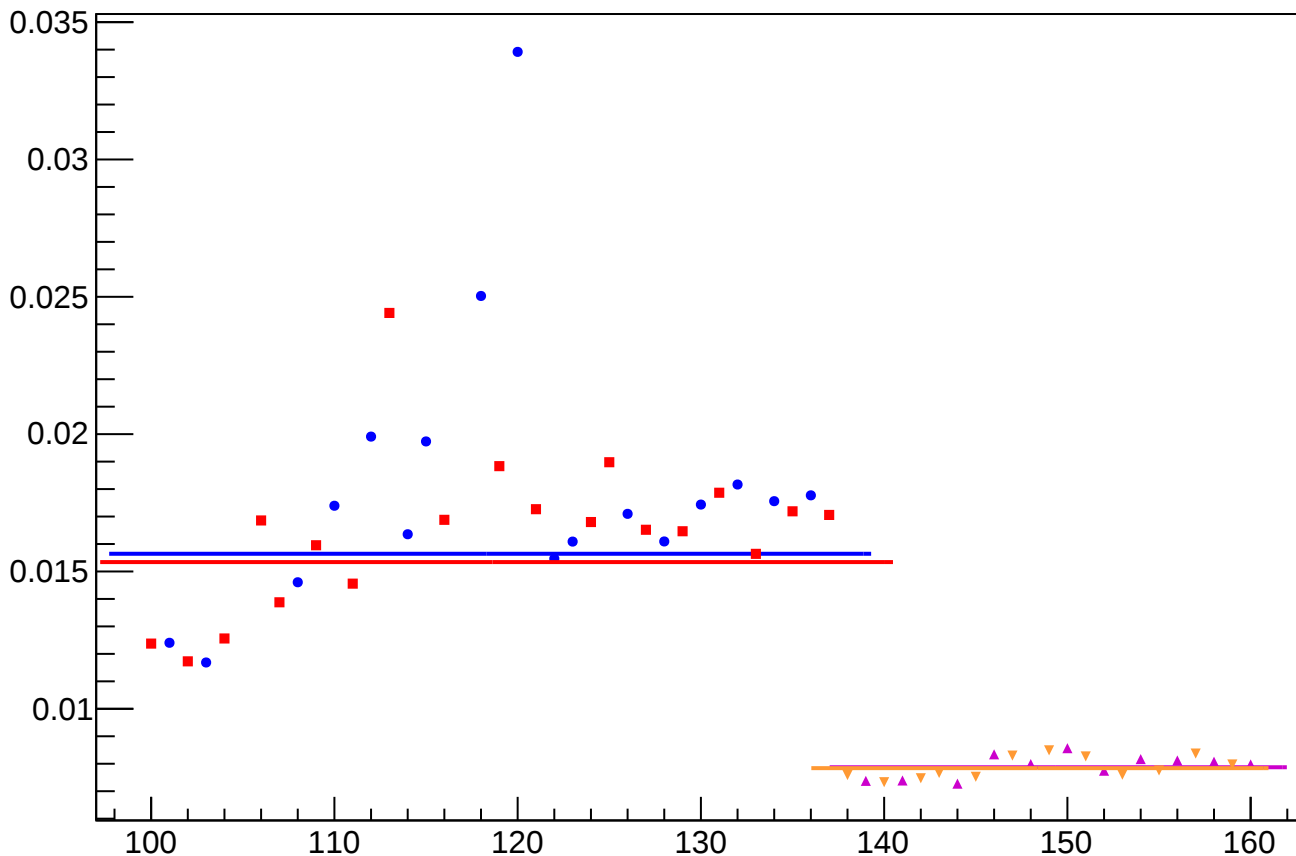
-2.671+/-0.000 χ^2/NDF : 195241496030.4/28

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: 0.015 ± 0.000 χ^2/NDF : 39567.6/11

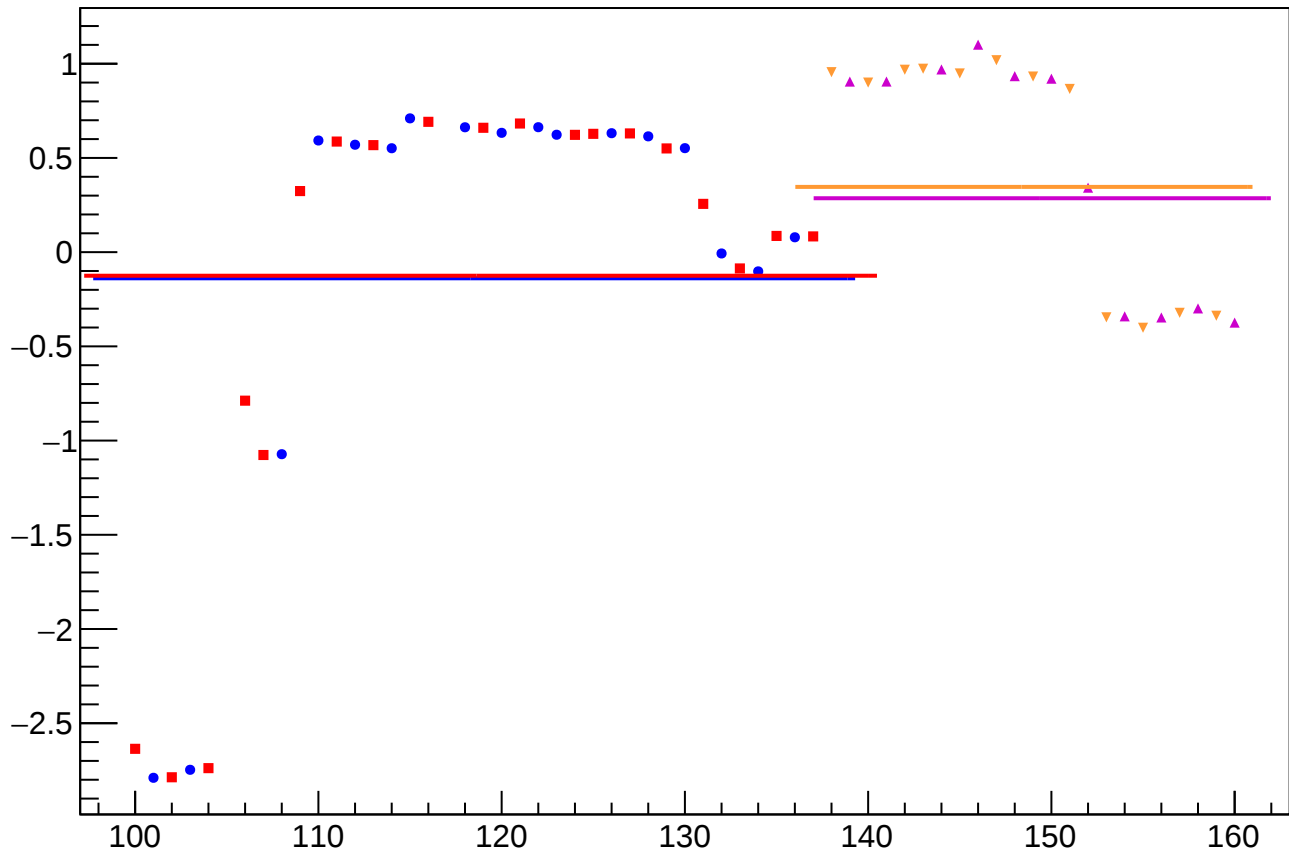
Right Out: 0.015 ± 0.000 χ^2/NDF : 353806.7/18

Left In: 0.008 ± 0.000 χ^2/NDF : 45291.6/10

0.009 ± 0.000 χ^2/NDF : 3013077.9/28

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: 0.346+/-0.000 χ^2/NDF :82933941086.2/11

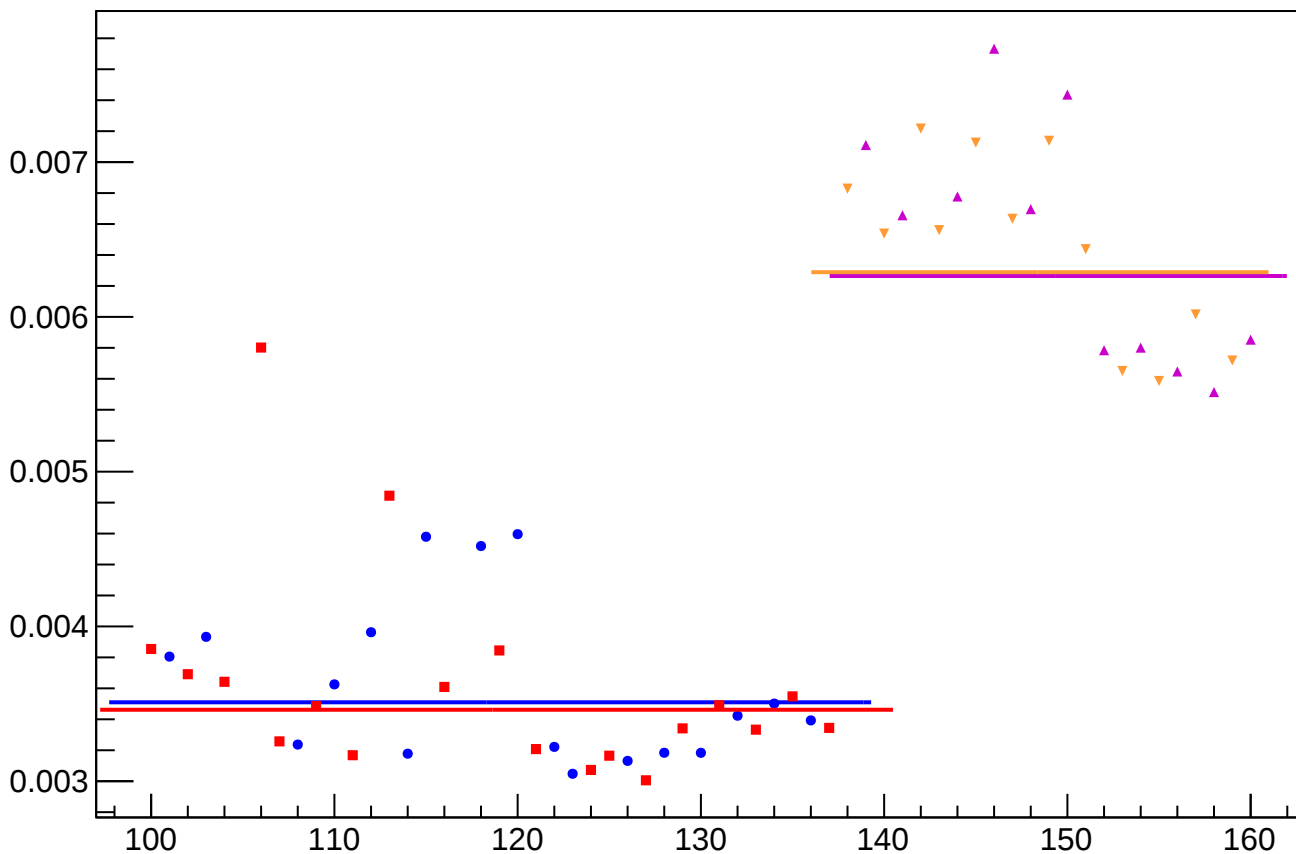
-0.003+/-0.000 χ^2/NDF : 831632552788.2/28

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 :127750.3/11

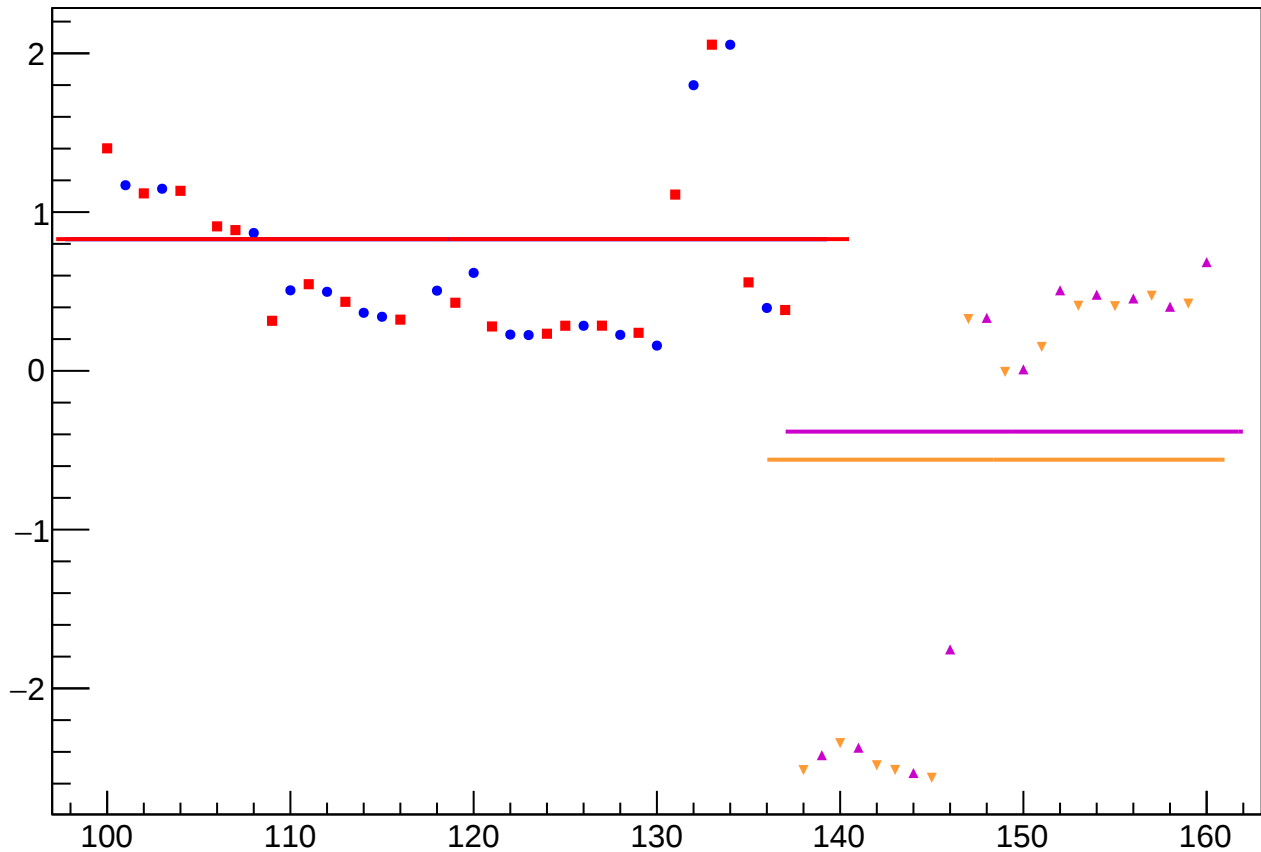
Right Out: 0.003+/-0.000 χ^2/NDF : 215974.1/18

Left In: 0.006+/-0.000 χ^2/NDF :194708.5/10

0.004+/-0.000 χ^2/NDF : 2508118.2/28

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: -0.559 ± 0.000 χ^2/NDF : 394538941546.0/11

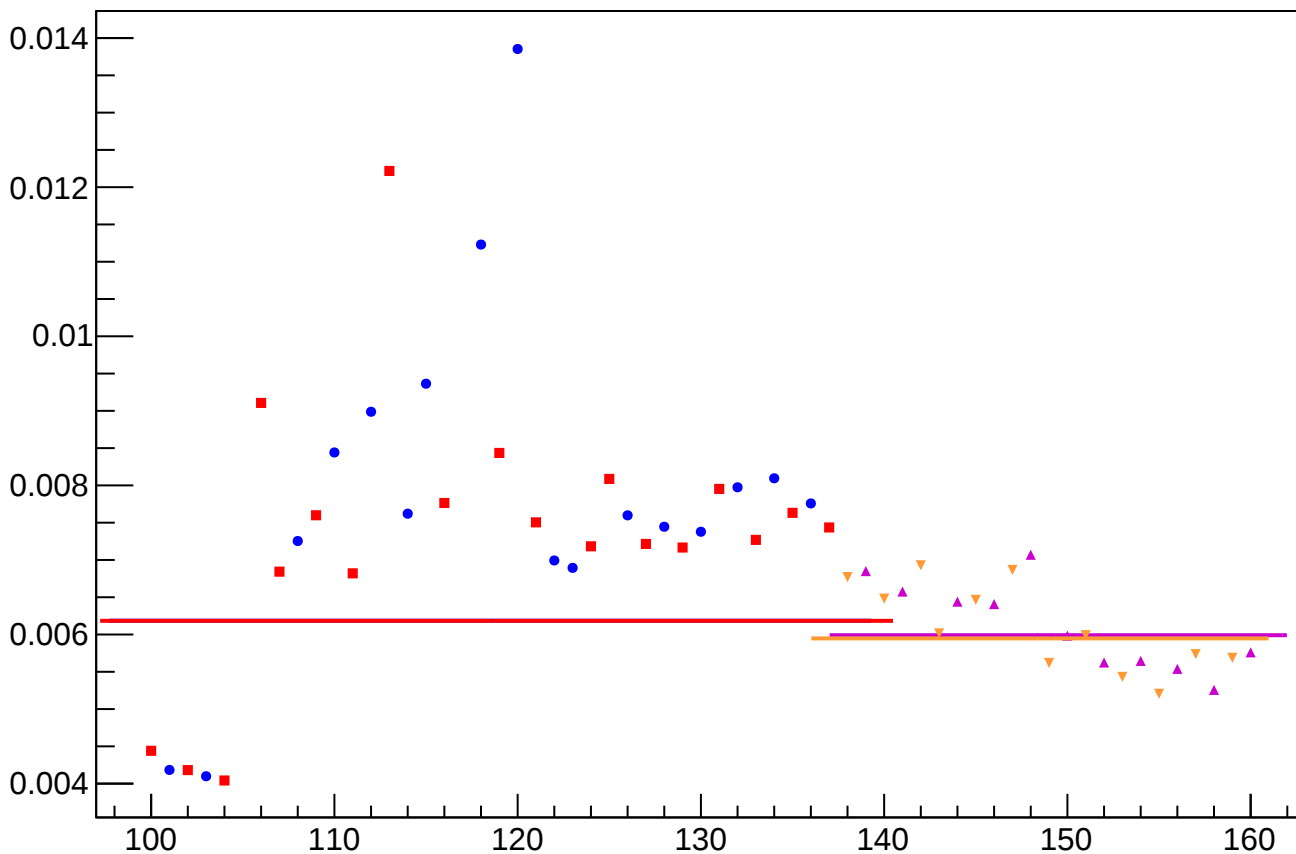
Right Out: 0.830 ± 0.000 χ^2/NDF : 33335665437.8/18

Left In: -0.383 ± 0.000 χ^2/NDF : 358386492252.7/10

-0.039 ± 0.000 χ^2/NDF : 593701559185.5/28

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 : 134722.2/11

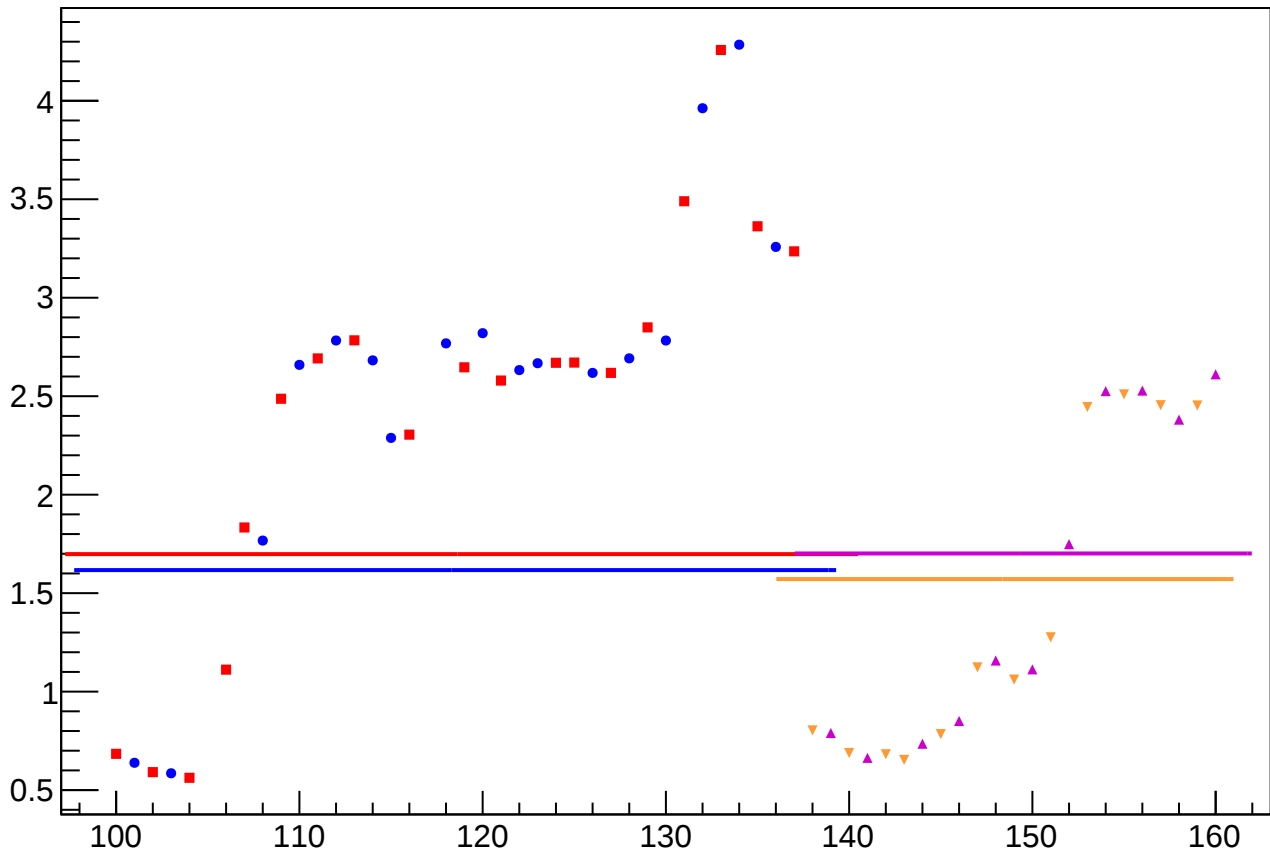
0.006+/-0.000 χ^2/NDF : 1373436.2/28

Right Out: 0.006+/-0.000 χ^2/NDF : 1026836.0/18

0.006+/-0.000 χ^2/NDF : 1170136.8/29

Left In: 0.006+/-0.000 χ^2/NDF : 136477.5/10

yield_bpm0l05Y_mean vs Slug



Right In: 1.617 ± 0.000 χ^2/NDF : 202886791000.7/16

Left Out: 1.572 ± 0.000 χ^2/NDF : 145279049692.6/11

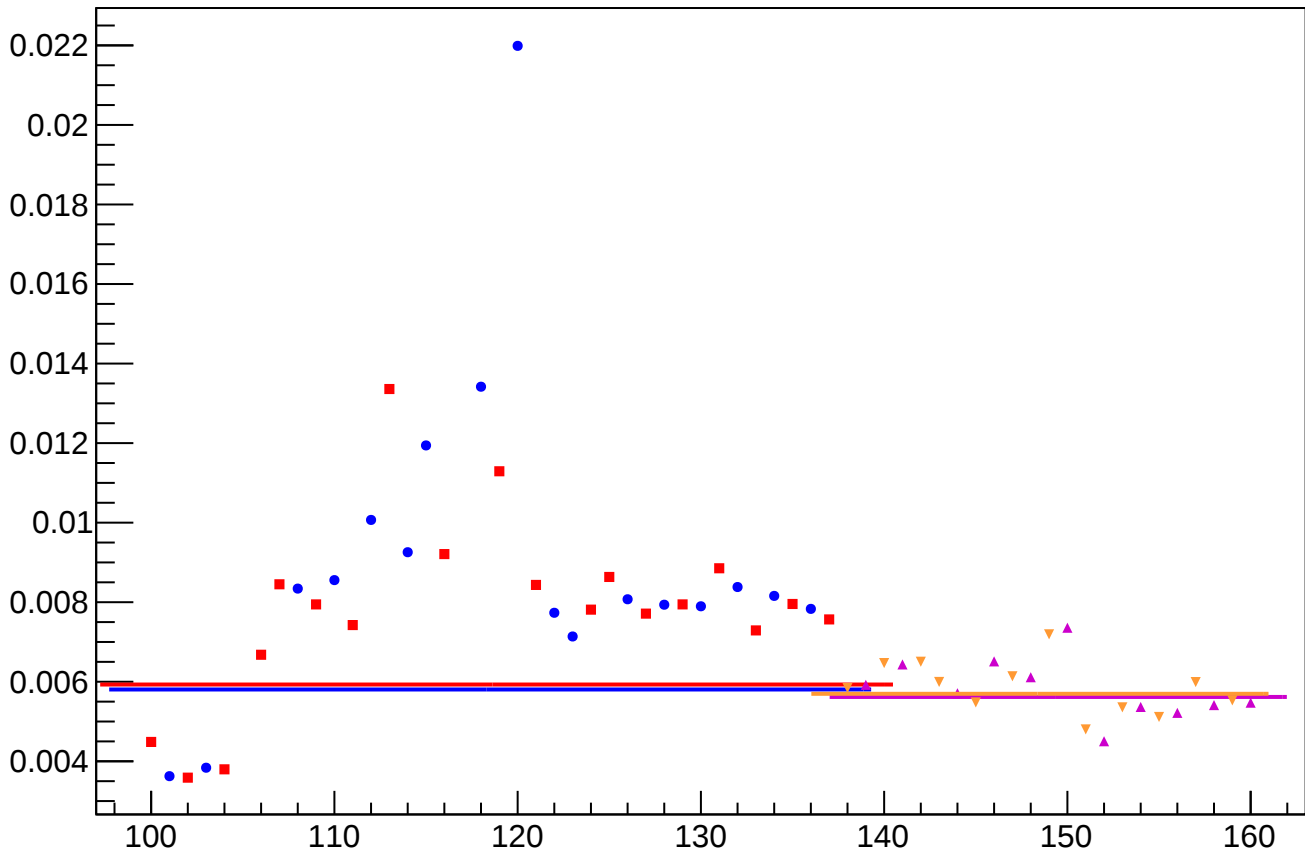
Right Out: 1.698 ± 0.000 χ^2/NDF : 227408345801.7/18

Left In: 1.702 ± 0.000 χ^2/NDF : 145056935723.0/10

1.589 ± 0.000 χ^2/NDF : 348350033155.5/28

1.700 ± 0.000 χ^2/NDF : 372466353483.8/29

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 :174305.5/11

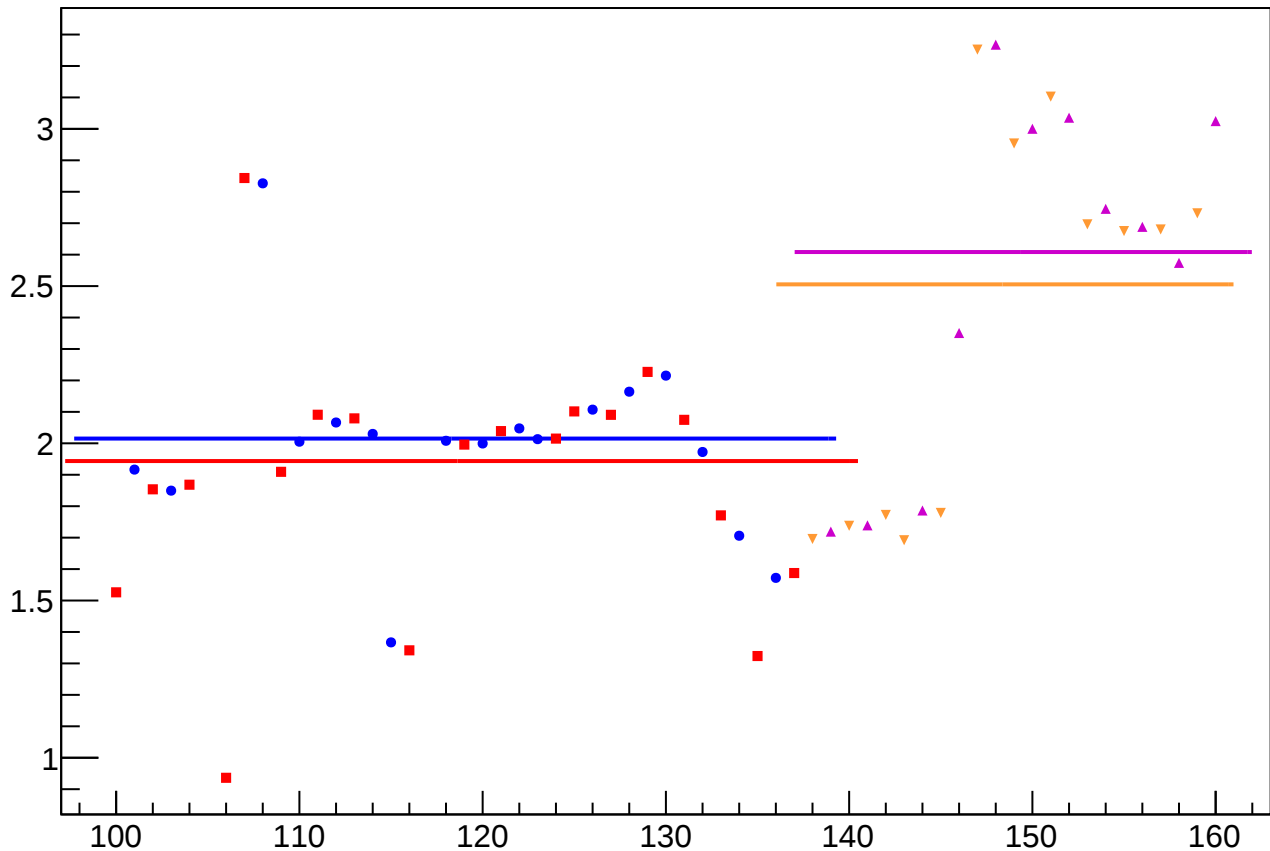
0.006+/-0.000 χ^2/NDF : 2094388.4/28

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: 2.506+/-0.000 χ^2/NDF : 45601502358.2/11

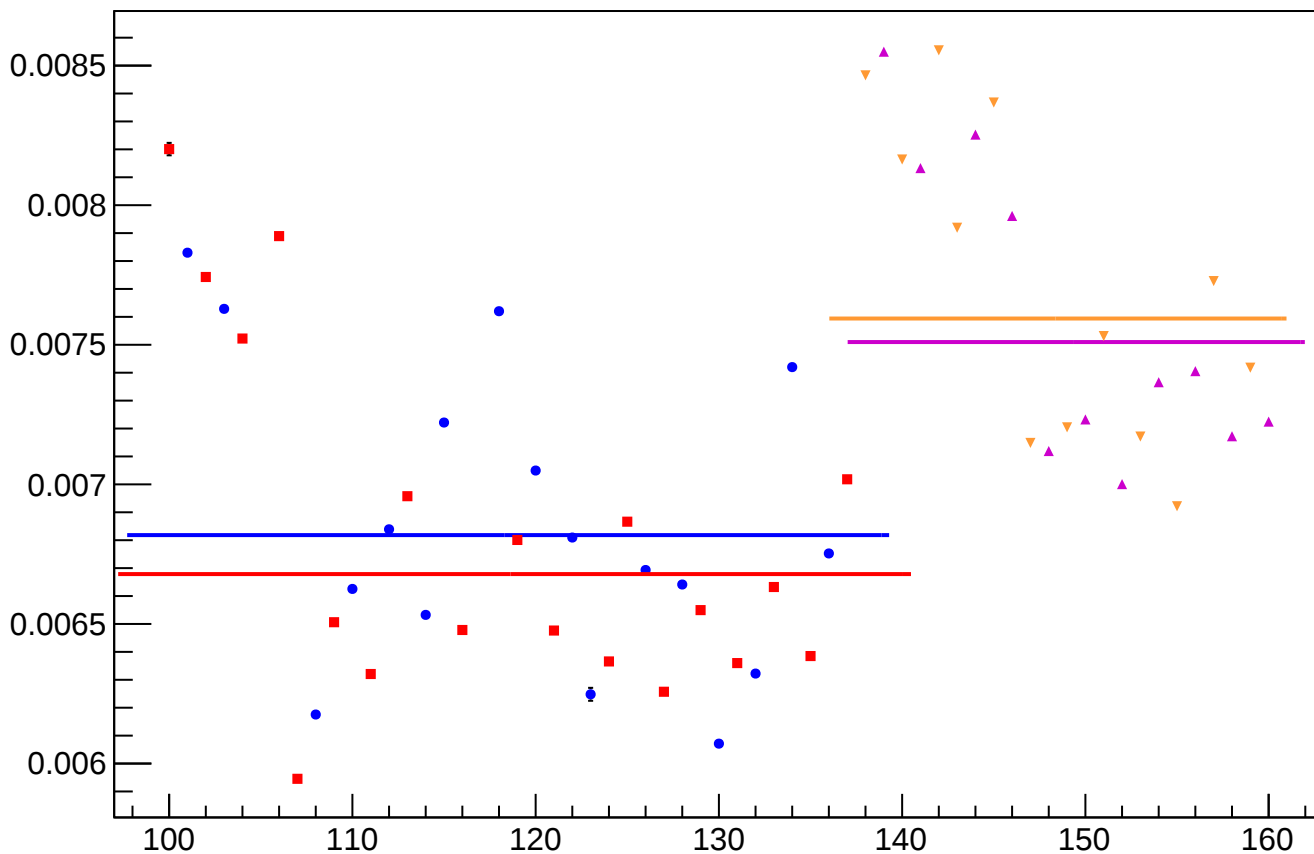
2.268+/-0.000 χ^2/NDF : 74815685918.8/28

Right Out: 1.944+/-0.000 χ^2/NDF : 21427099579.0/18

2.274+/-0.000 χ^2/NDF : 95047798958.5/29

Left In: 2.608+/-0.000 χ^2/NDF : 40169885481.0/10

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 : 77826.4/11

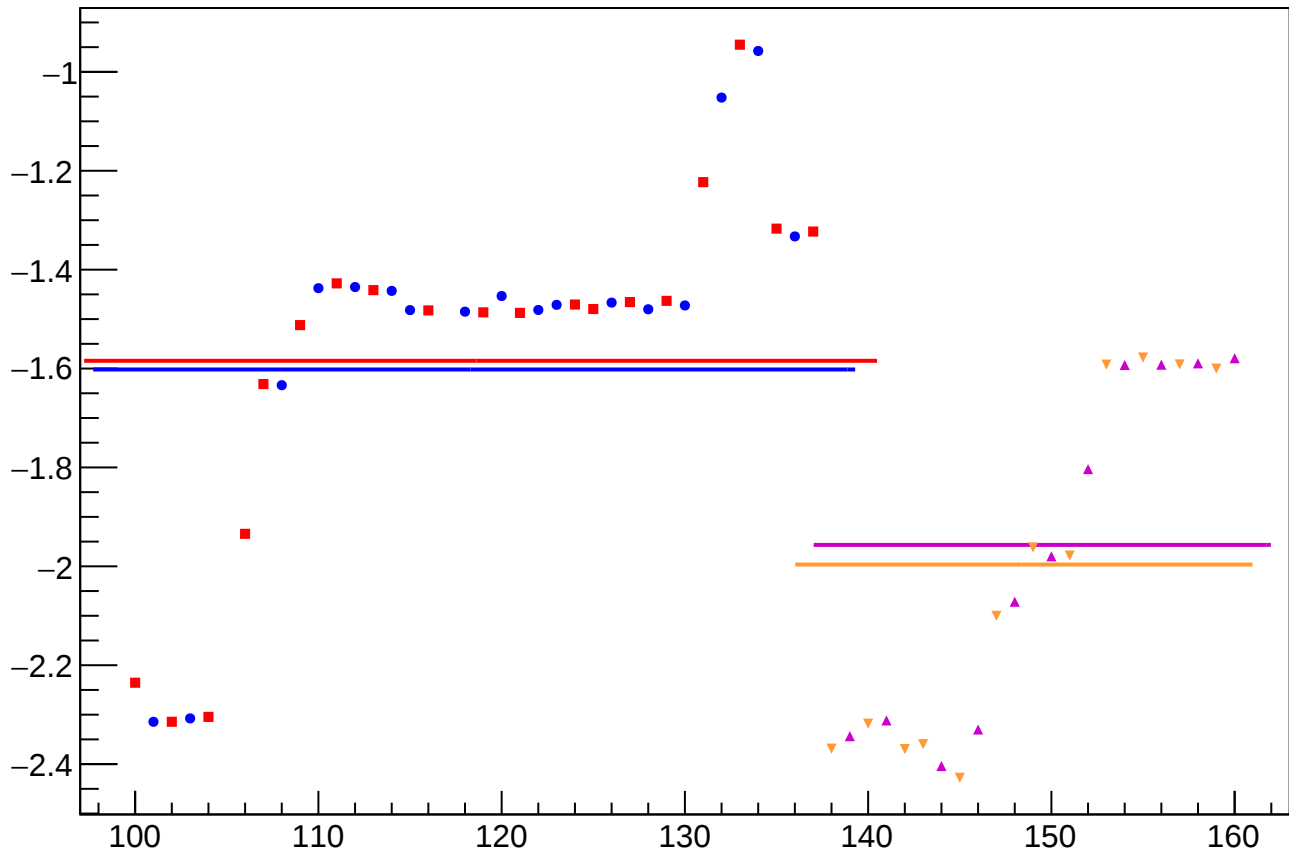
Right Out: 0.007+/-0.000 χ^2/NDF : 75718.4/18

Left In: 0.008+/-0.000 χ^2/NDF : 69192.4/10

0.007+/-0.000 χ^2/NDF : 238640.9/28

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: -1.996 ± 0.000 χ^2/NDF : 112486726595.7/11

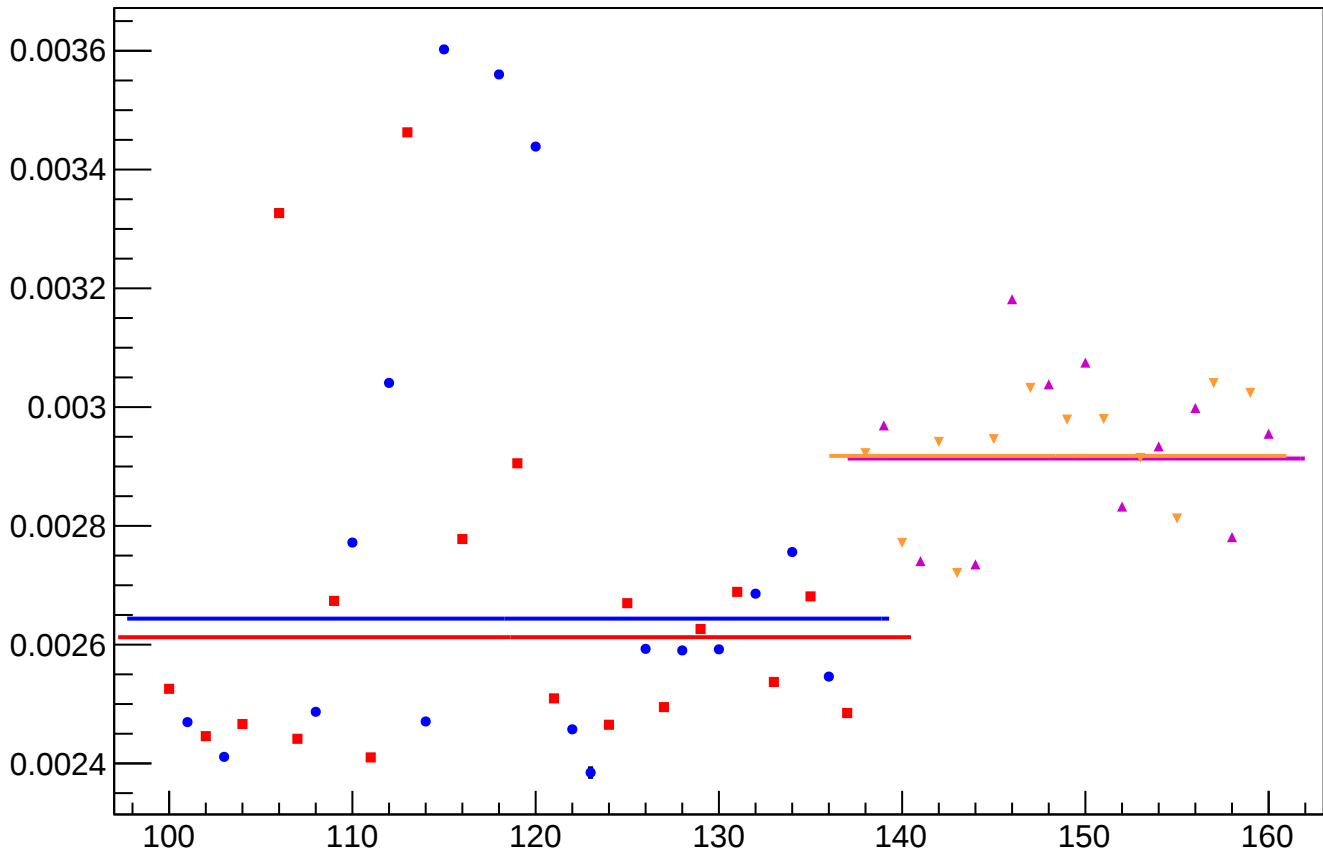
Right Out: -1.584 ± 0.000 χ^2/NDF : 143578606614.3/18

Left In: -1.957 ± 0.000 χ^2/NDF : 109234068782.7/10

-1.807 ± 0.000 χ^2/NDF : 325546328665.2/28

-1.772 ± 0.000 χ^2/NDF : 321098146435.5/29

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 : 20572.3/11

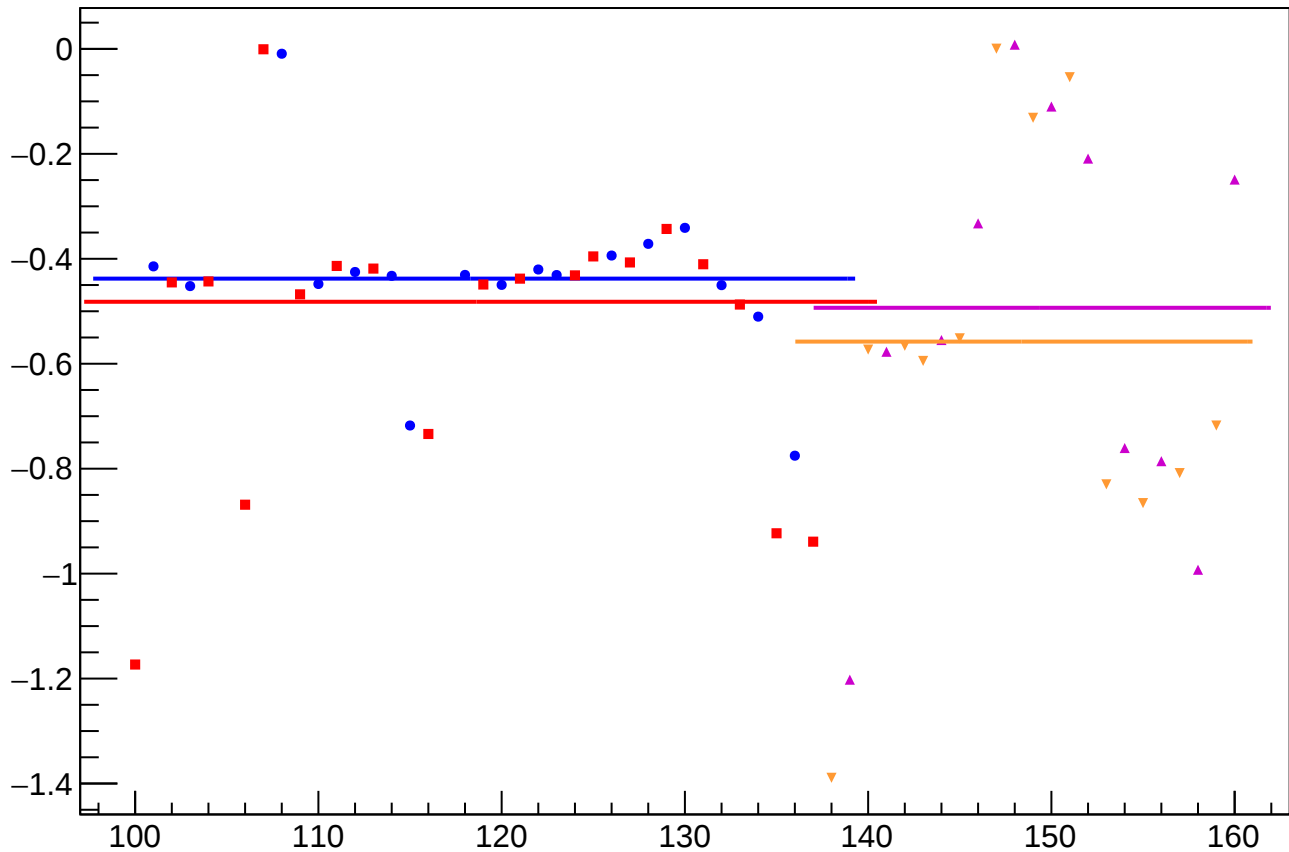
Right Out: 0.003+/-0.000 χ^2/NDF : 105296.2/18

Left In: 0.003+/-0.000 χ^2/NDF : 37213.9/10

0.003+/-0.000 χ^2/NDF : 242264.3/28

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: -0.558+/-0.000 χ^2/NDF : 7454084438.7/11

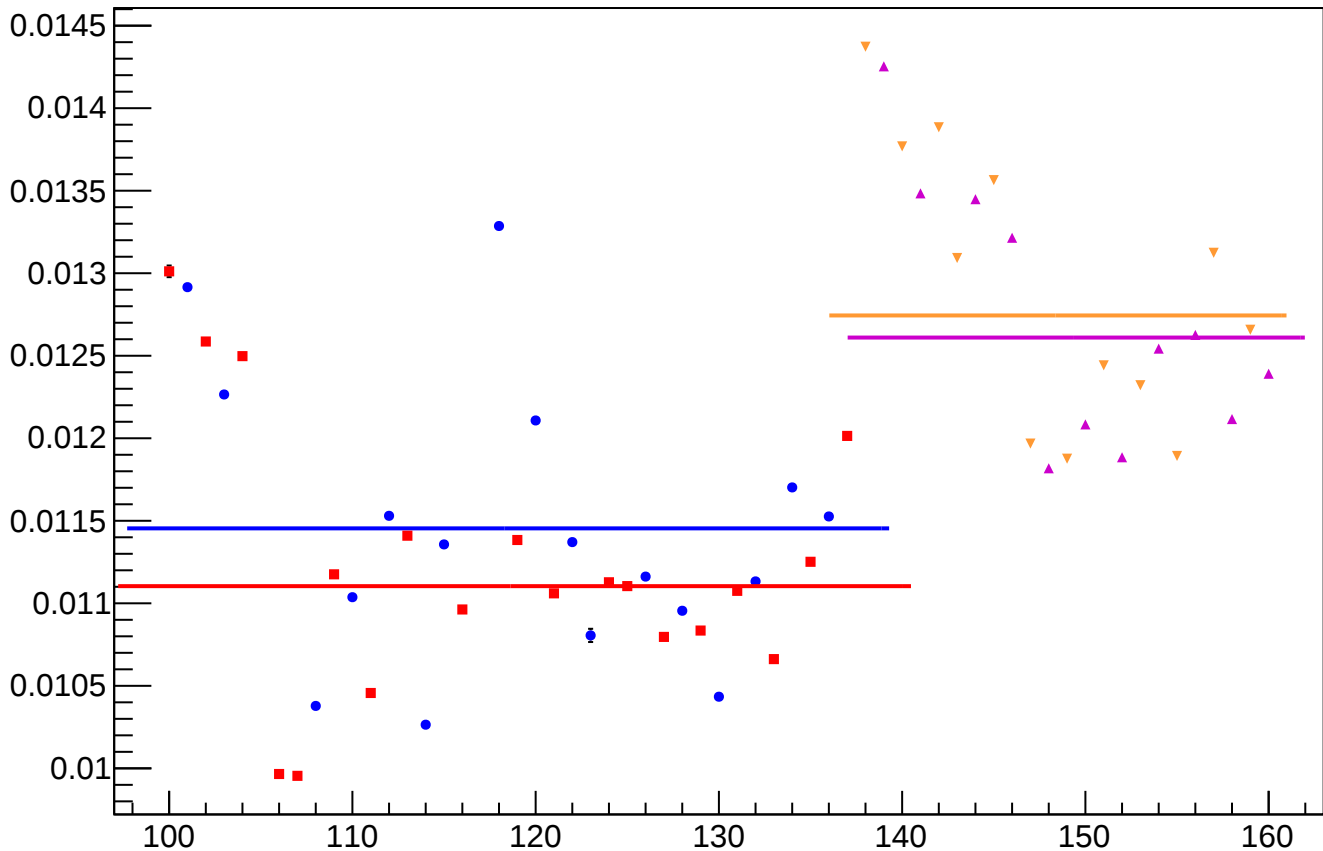
-0.499+/-0.000 χ^2/NDF : 9281407937.2/28

Right Out: -0.482+/-0.000 χ^2/NDF : 2694625740.7/18

-0.487+/-0.000 χ^2/NDF : 9560059252.2/29

Left In: -0.493+/-0.000 χ^2/NDF : 6861828002.5/10

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 : 63436.5/11

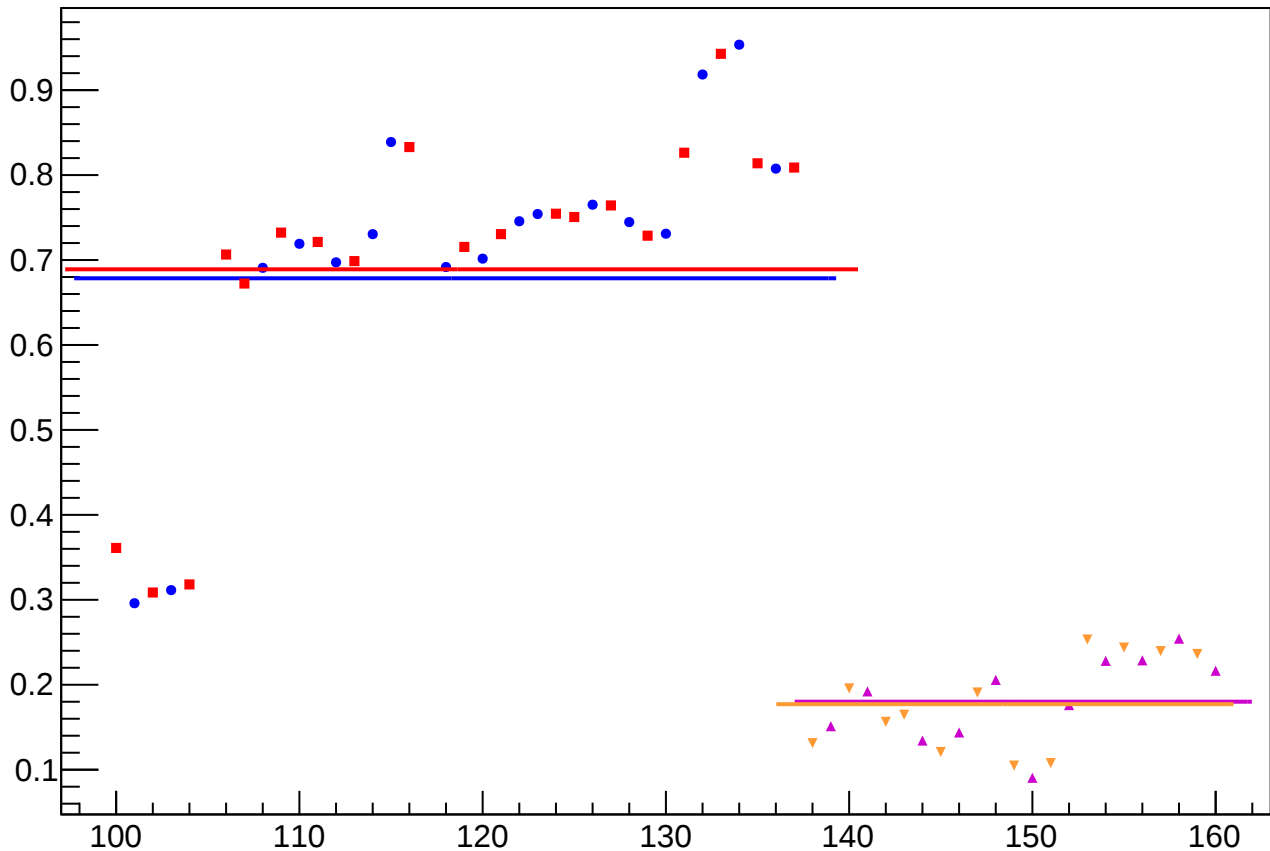
Right Out: 0.011+/-0.000 χ^2/NDF : 56045.0/18

Left In: 0.013+/-0.000 χ^2/NDF : 52605.9/10

0.012+/-0.000 χ^2/NDF : 212454.6/28

0.012+/-0.000 χ^2/NDF : 232785.4/29

yield_bpm0l07Y_mean vs Slug



Right In: 0.678+/-0.000 χ^2/NDF : 38506442638.3/16

Left Out: 0.177+/-0.000 χ^2/NDF : 4981547066.9/11

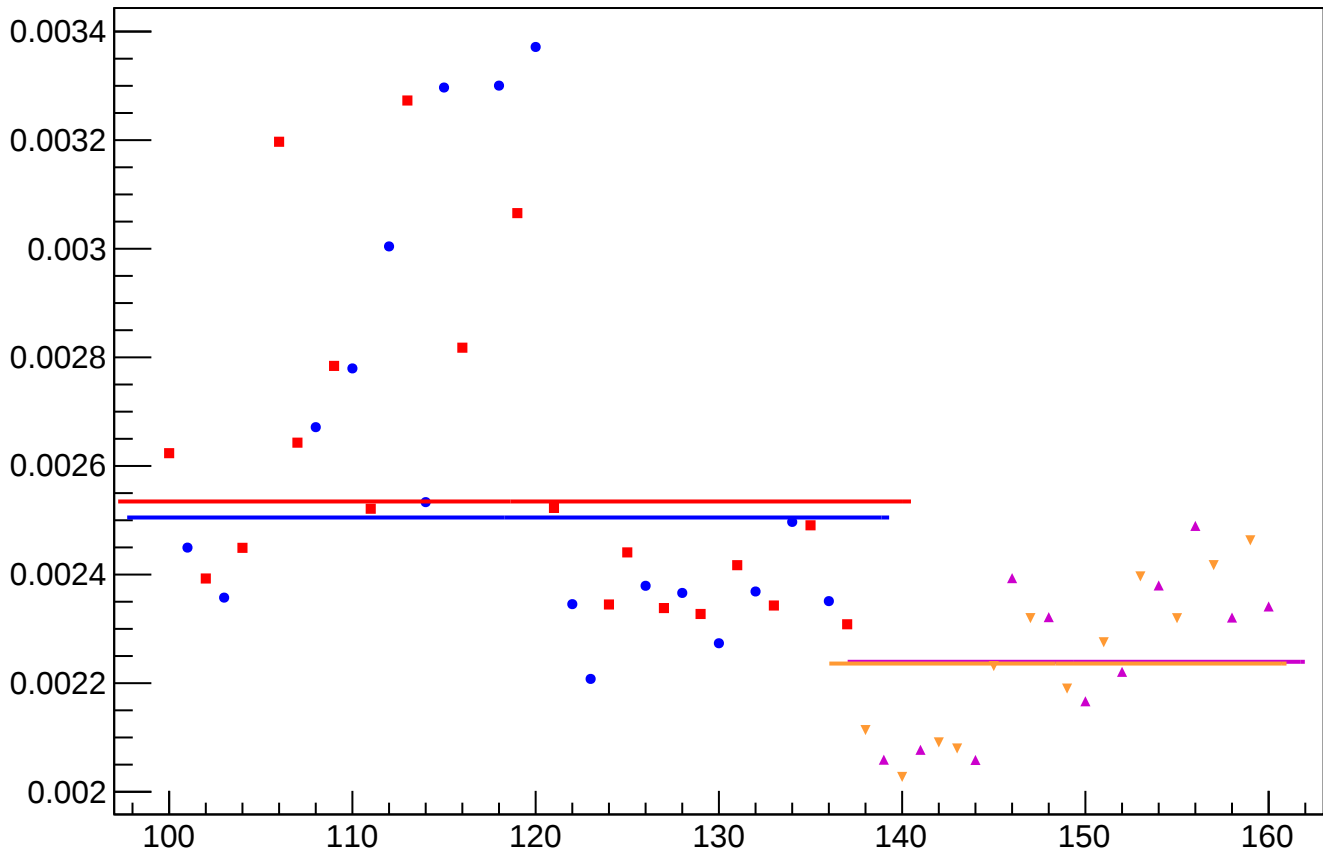
0.360+/-0.000 χ^2/NDF : 205432646064.1/28

Right Out: 0.689+/-0.000 χ^2/NDF : 35358596931.1/18

0.370+/-0.000 χ^2/NDF : 208961449266.6/29

Left In: 0.180+/-0.000 χ^2/NDF : 4002953905.7/10

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 175524.0/16

Left Out: 0.002+/-0.000 χ^2/NDF : 68045.6/11

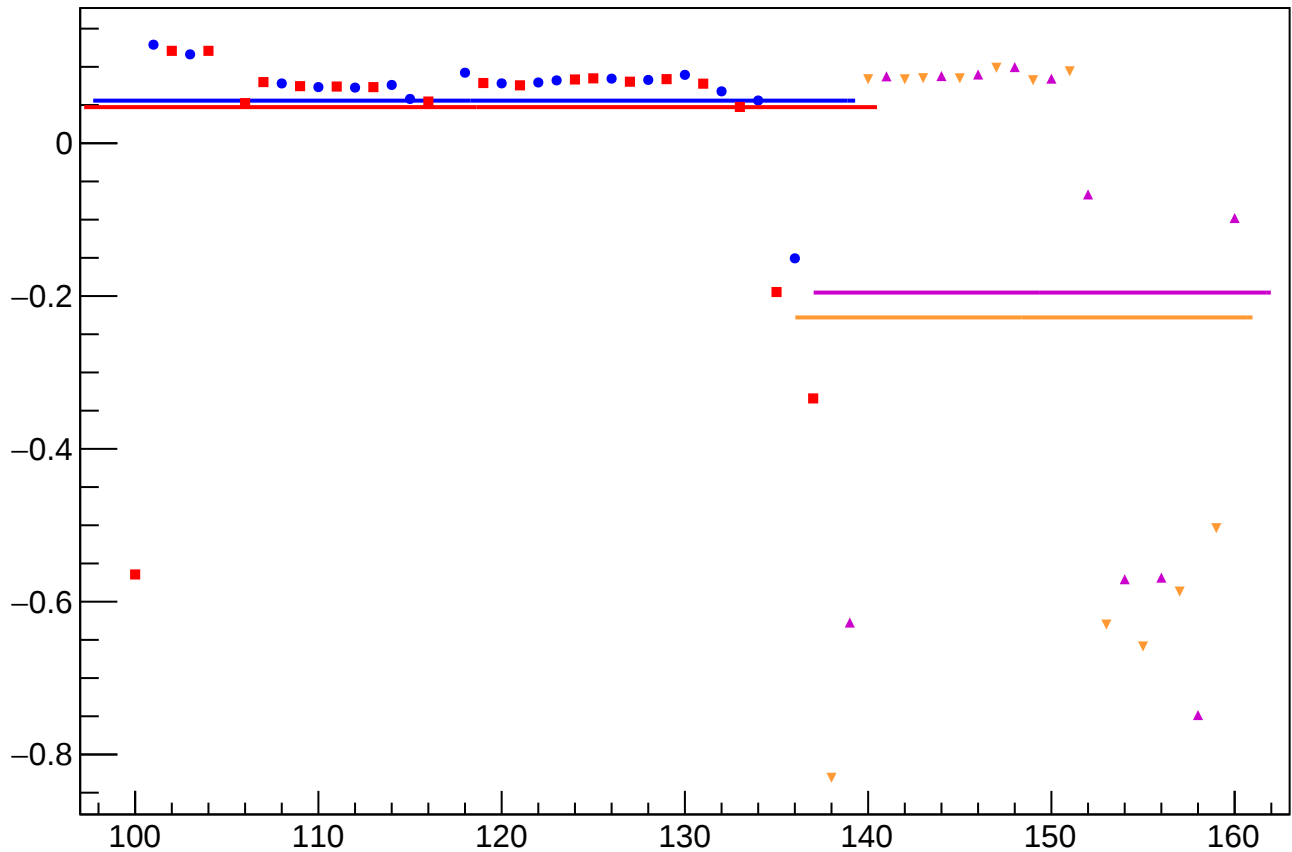
Right Out: 0.003+/-0.000 χ^2/NDF : 131609.0/18

Left In: 0.002+/-0.000 χ^2/NDF : 70845.8/10

0.002+/-0.000 χ^2/NDF : 336782.0/28

0.002+/-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: -0.228+/-0.000 χ^2/NDF : 8387212239.6/11

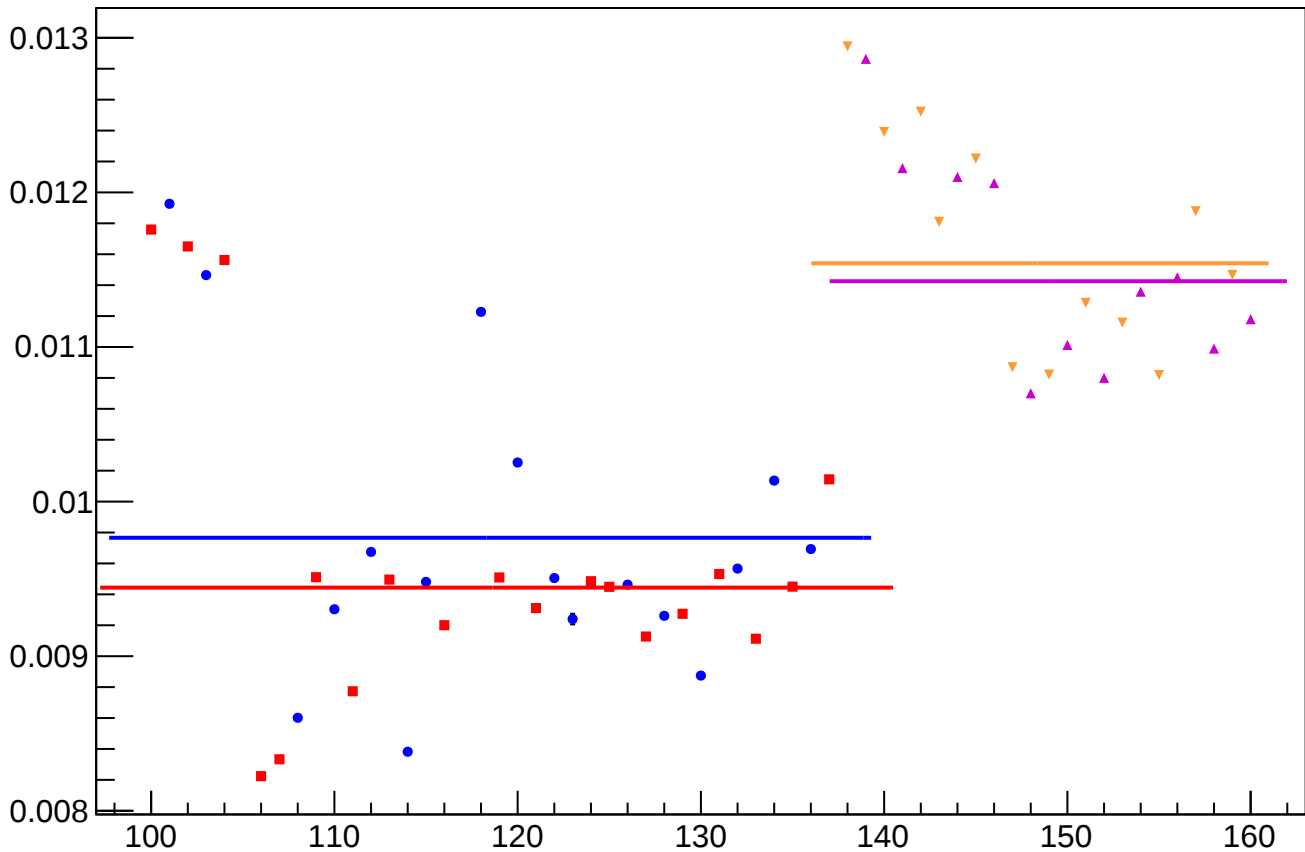
Right Out: 0.047+/-0.000 χ^2/NDF : 819588537.2/18

Left In: -0.195+/-0.000 χ^2/NDF : 7032578125.7/10

-0.082+/-0.000 χ^2/NDF : 11446670557.2/28

-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: 0.012+/-0.000 χ^2/NDF : 56110.1/11

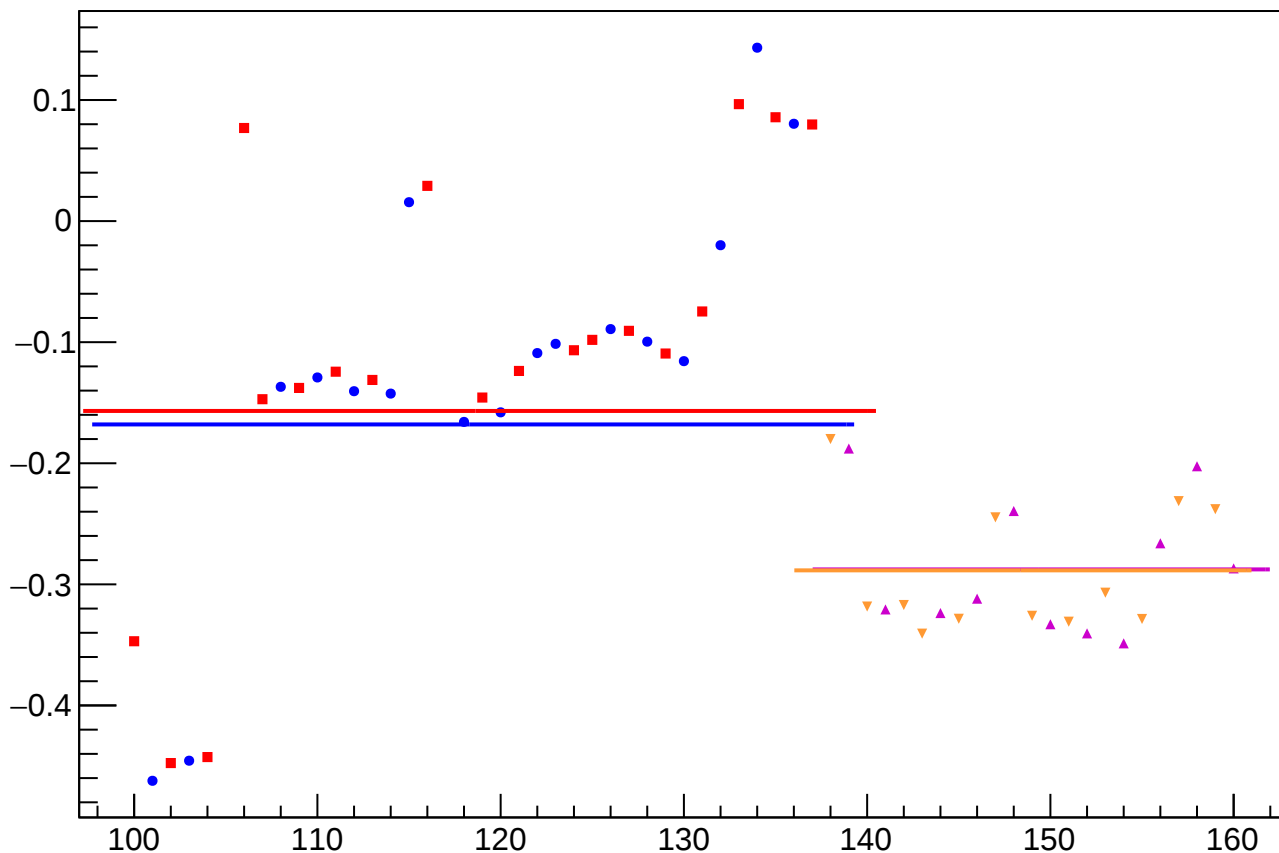
Right Out: 0.009+/-0.000 χ^2/NDF : 110693.8/18

Left In: 0.011+/-0.000 χ^2/NDF : 49277.4/10

0.011+/-0.000 χ^2/NDF : 379278.2/28

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: -0.288+/-0.000 χ^2/NDF : 2657008206.5/11

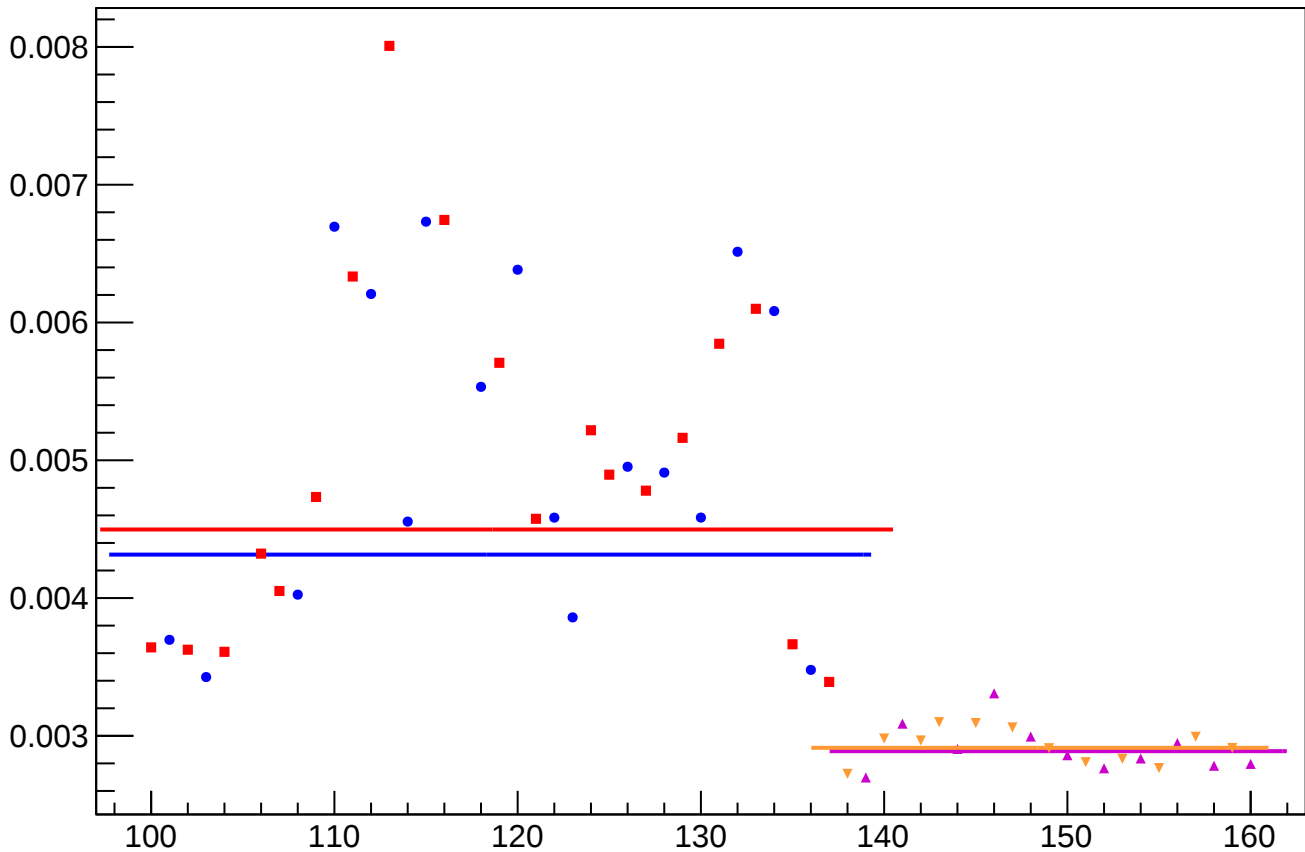
Right Out: -0.157+/-0.000 χ^2/NDF : 11026962470.3/18

Left In: -0.288+/-0.000 χ^2/NDF : 3031652010.2/10

-0.260+/-0.000 χ^2/NDF : 18438239817.3/28

-0.257+/-0.000 χ^2/NDF : 18099672326.8/29

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 619744.7/16

Left Out: 0.003+/-0.000 χ^2/NDF : 28988.7/11

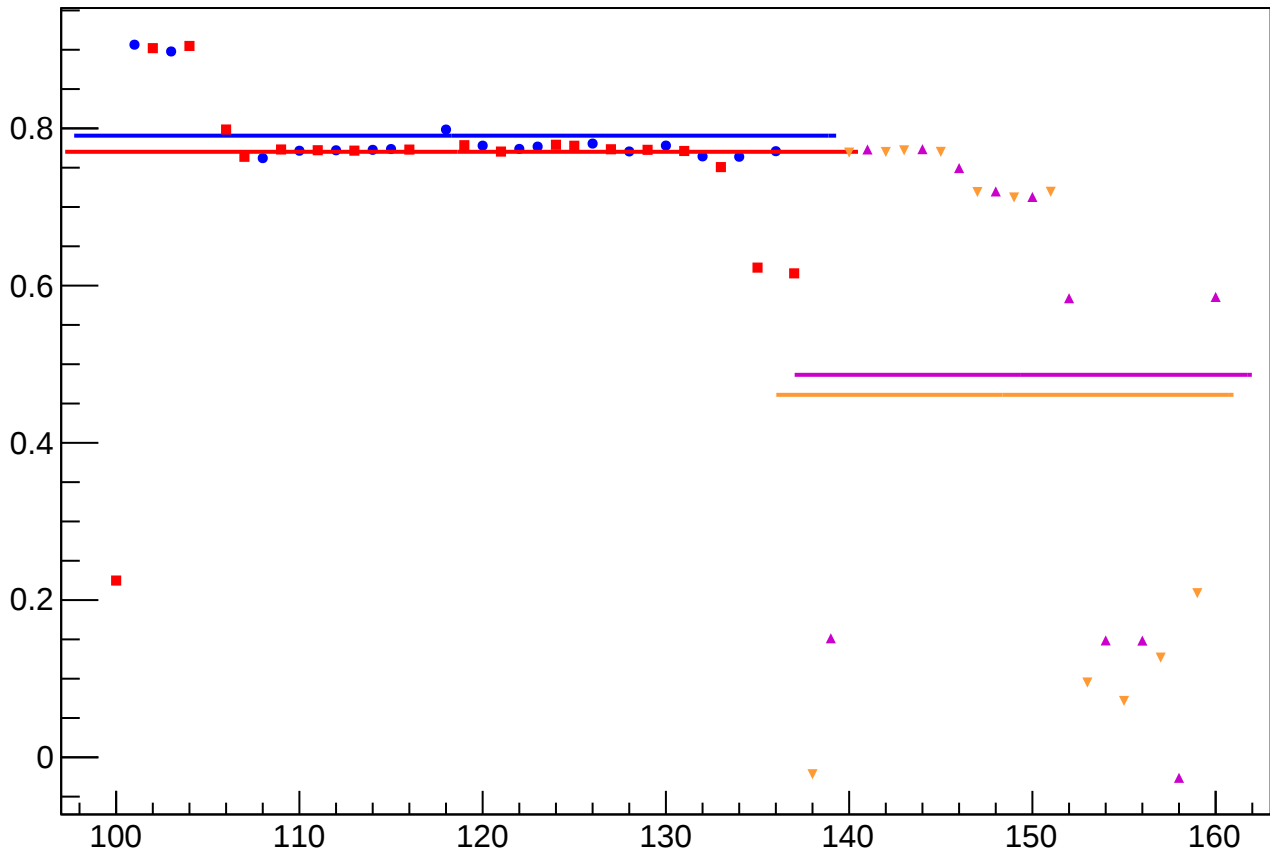
Right Out: 0.004+/-0.000 χ^2/NDF : 649708.4/18

Left In: 0.003+/-0.000 χ^2/NDF : 46406.2/10

0.003+/-0.000 χ^2/NDF : 1582839.7/28

0.003+/-0.000 χ^2/NDF : 1918003.9/29

yield_bpm0l09X_mean vs Slug



Right In: 0.791+/-0.000 χ^2/NDF : 106705767.1/16

Left Out: 0.461+/-0.000 χ^2/NDF : 6955876098.3/11

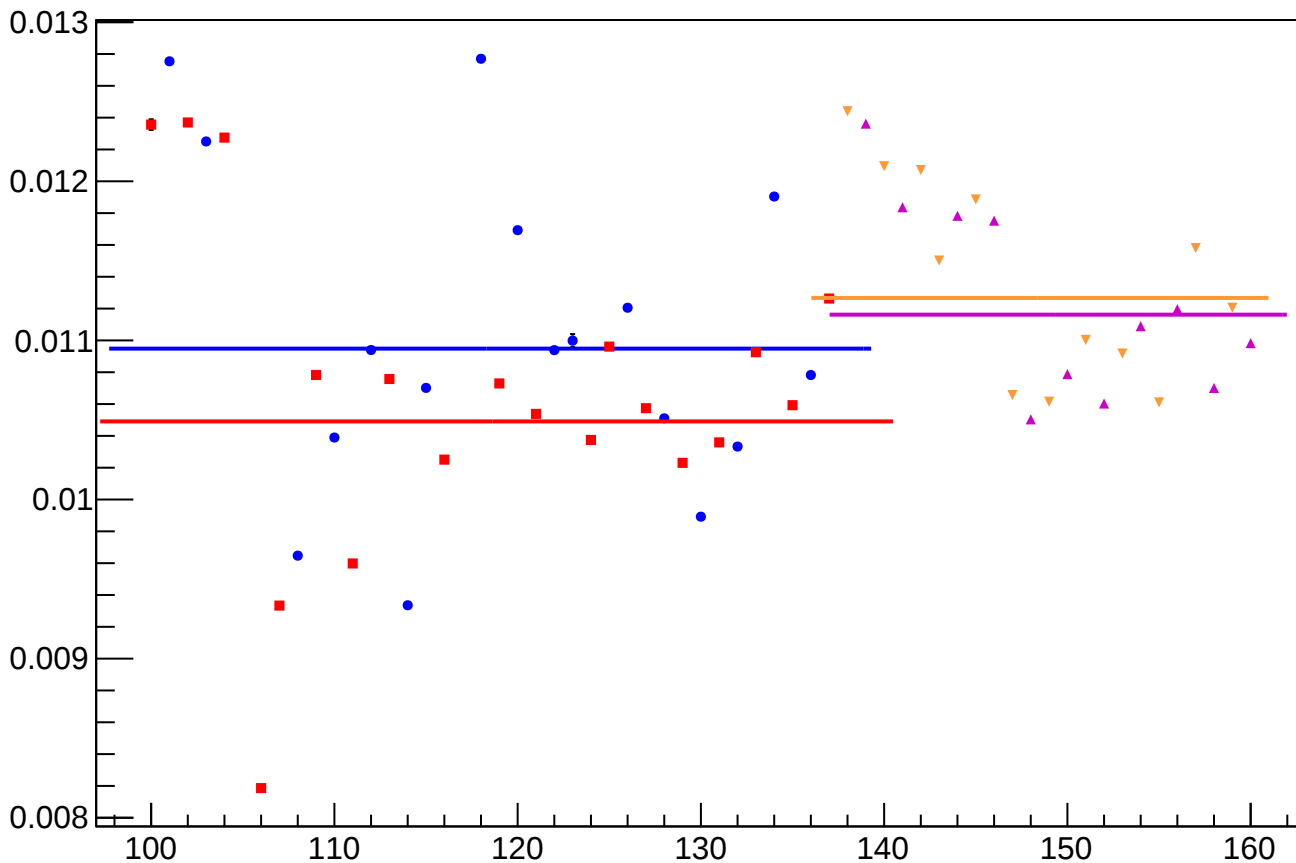
Right Out: 0.770+/-0.000 χ^2/NDF : 375442189.7/18

Left In: 0.487+/-0.000 χ^2/NDF : 5979538091.3/10

0.608+/-0.000 χ^2/NDF : 10309808521.0/28

0.622+/-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 : 47469.5/11

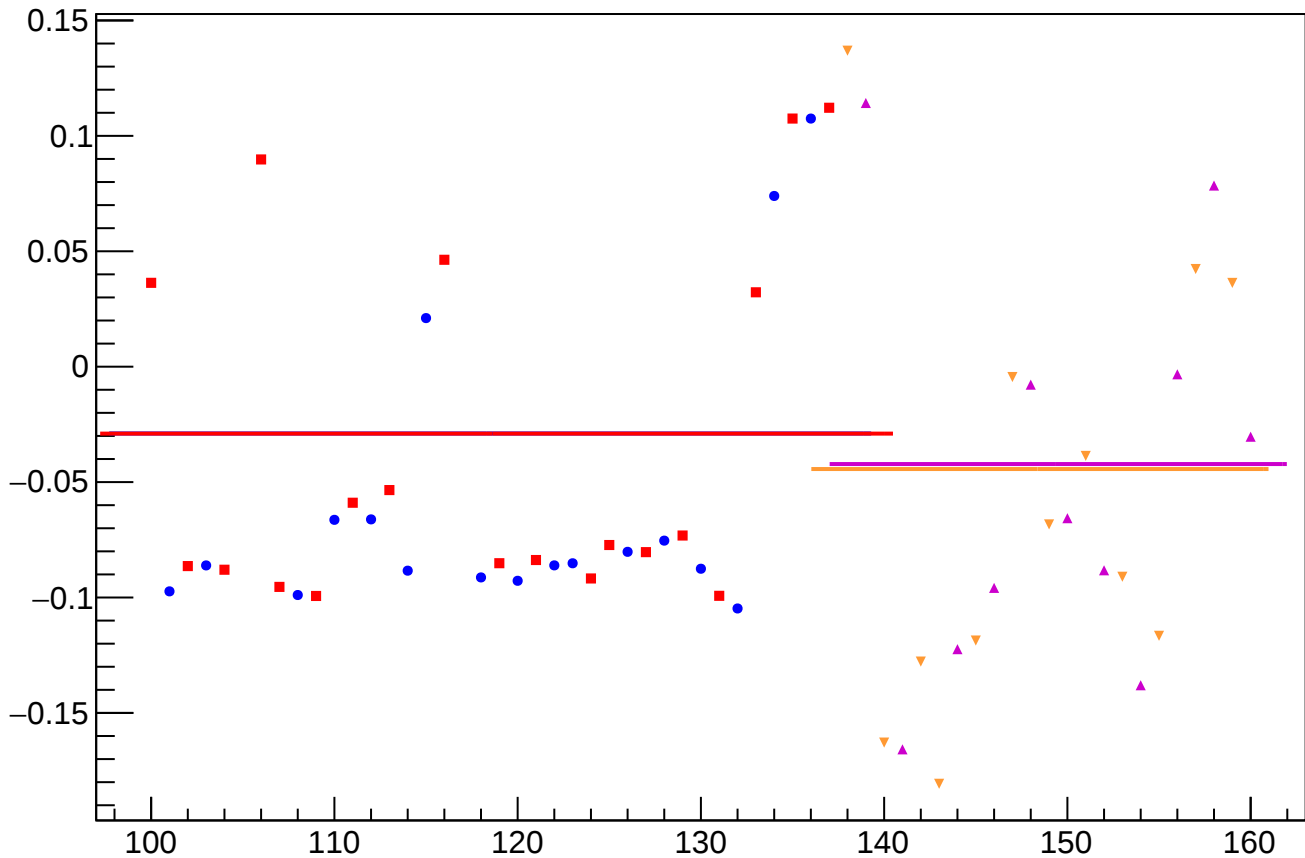
Right Out: 0.010+/-0.000 χ^2/NDF : 119420.8/18

Left In: 0.011+/-0.000 χ^2/NDF : 41943.3/10

0.011+/-0.000 χ^2/NDF : 152087.3/28

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 : 6595659243.2/11

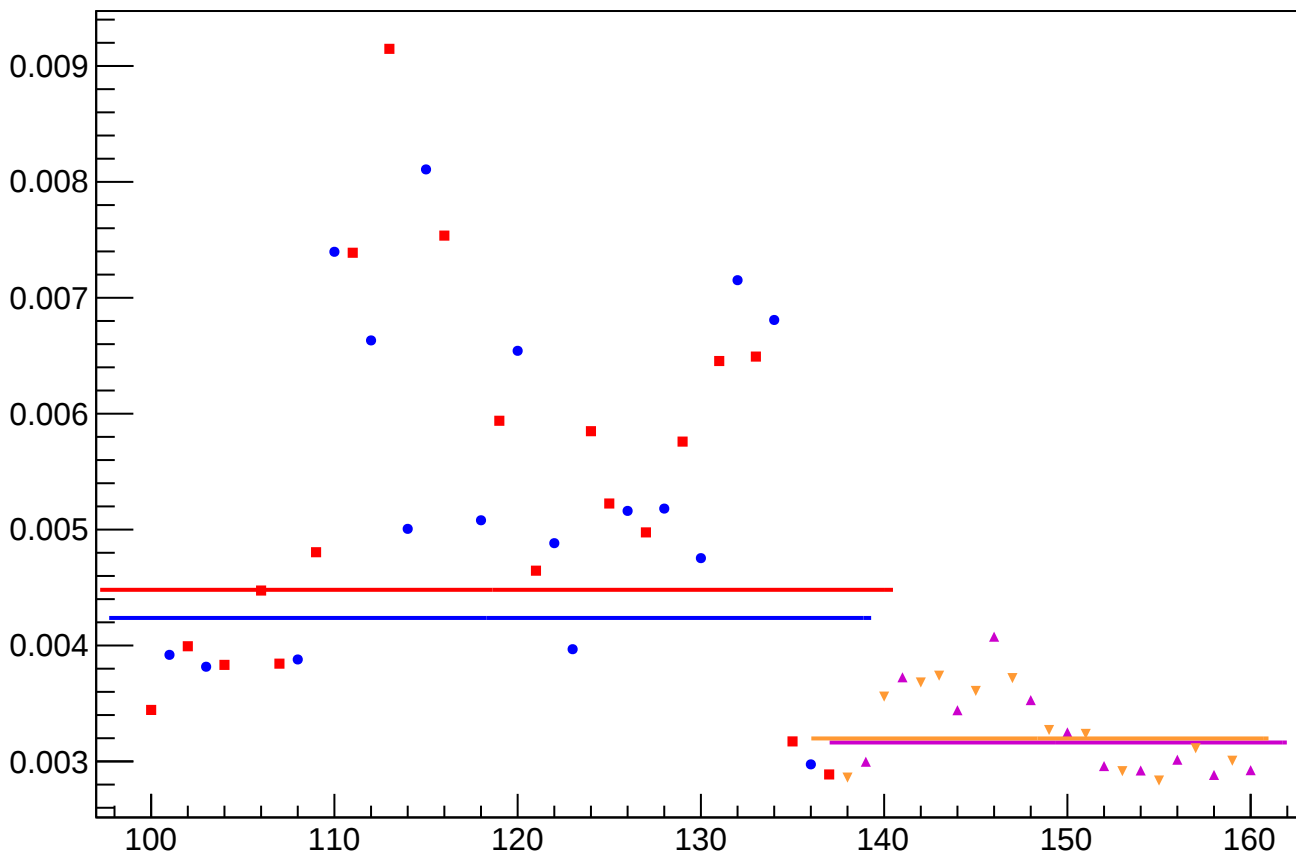
-0.040 ± 0.000 χ^2/NDF : 9093938241.8/28

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 :163962.6/11

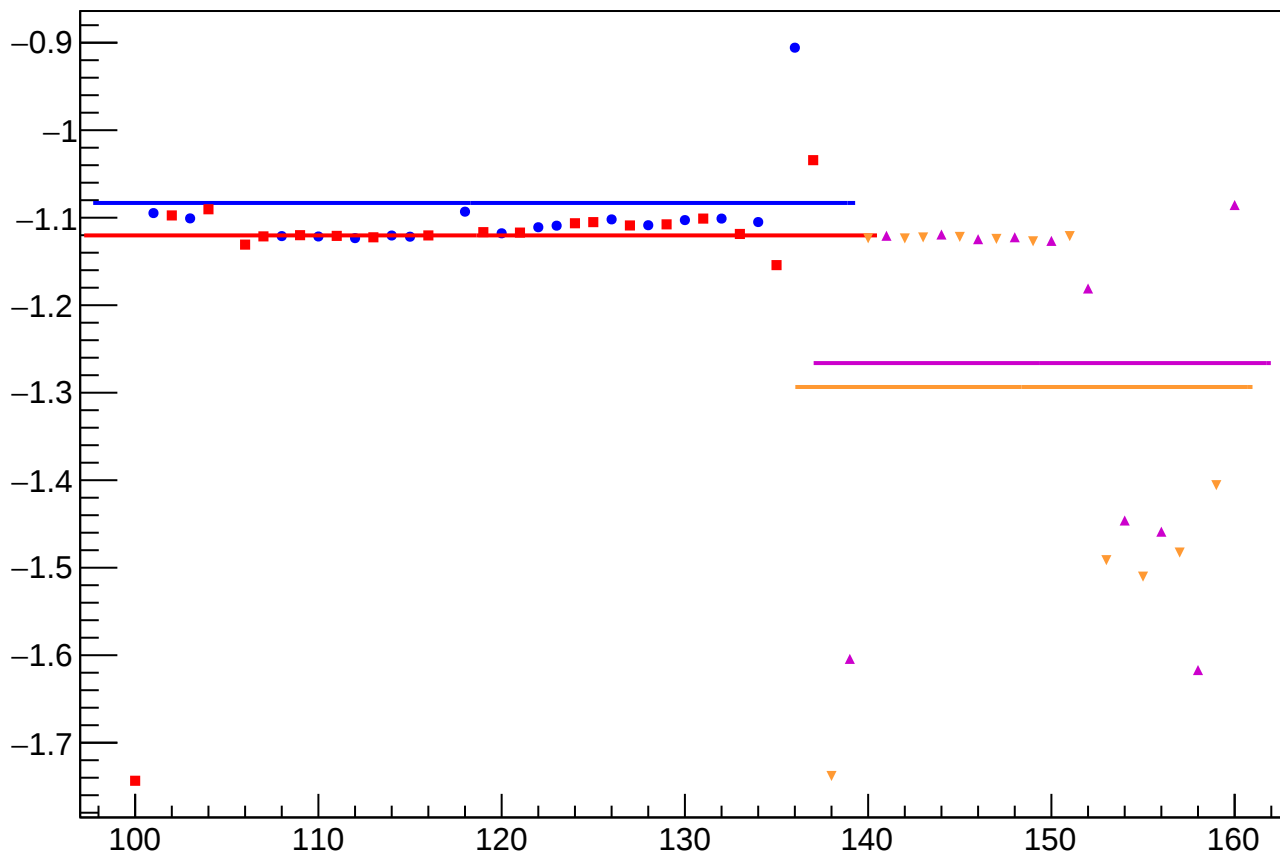
Right Out: 0.004+/-0.000 χ^2/NDF : 984186.1/18

Left In: 0.003+/-0.000 χ^2/NDF :179781.2/10

0.003+/-0.000 χ^2/NDF : 1522417.2/28

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: -1.293+/-0.000 χ^2/NDF : 3501110565.0/11

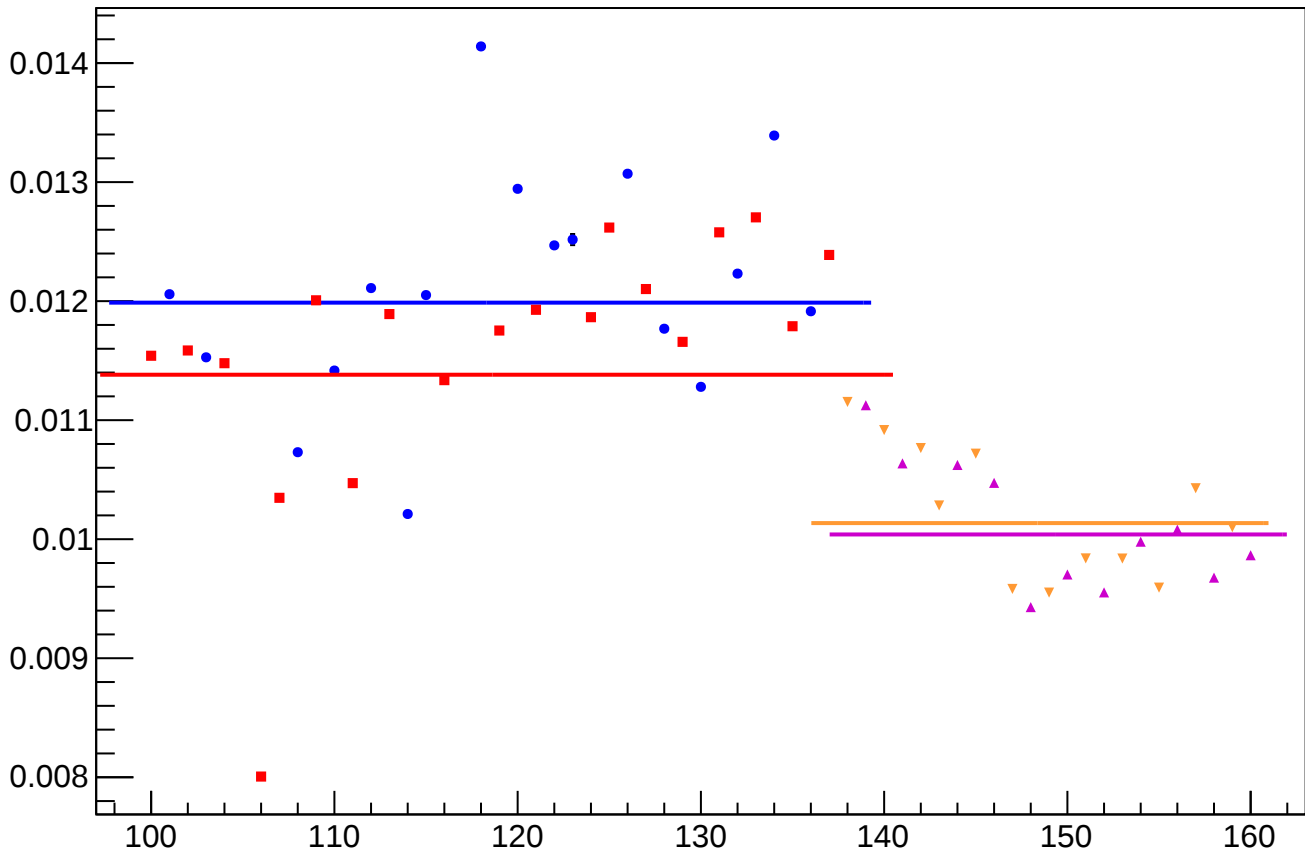
Right Out: -1.120+/-0.000 χ^2/NDF : 220571280.7/18

Left In: -1.266+/-0.000 χ^2/NDF : 3327783446.1/10

-1.220+/-0.000 χ^2/NDF : 4994268841.3/28

-1.210+/-0.000 χ^2/NDF : 4242309303.8/29

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 60402.0/16

Left Out: 0.010+/-0.000 χ^2/NDF : 46362.6/11

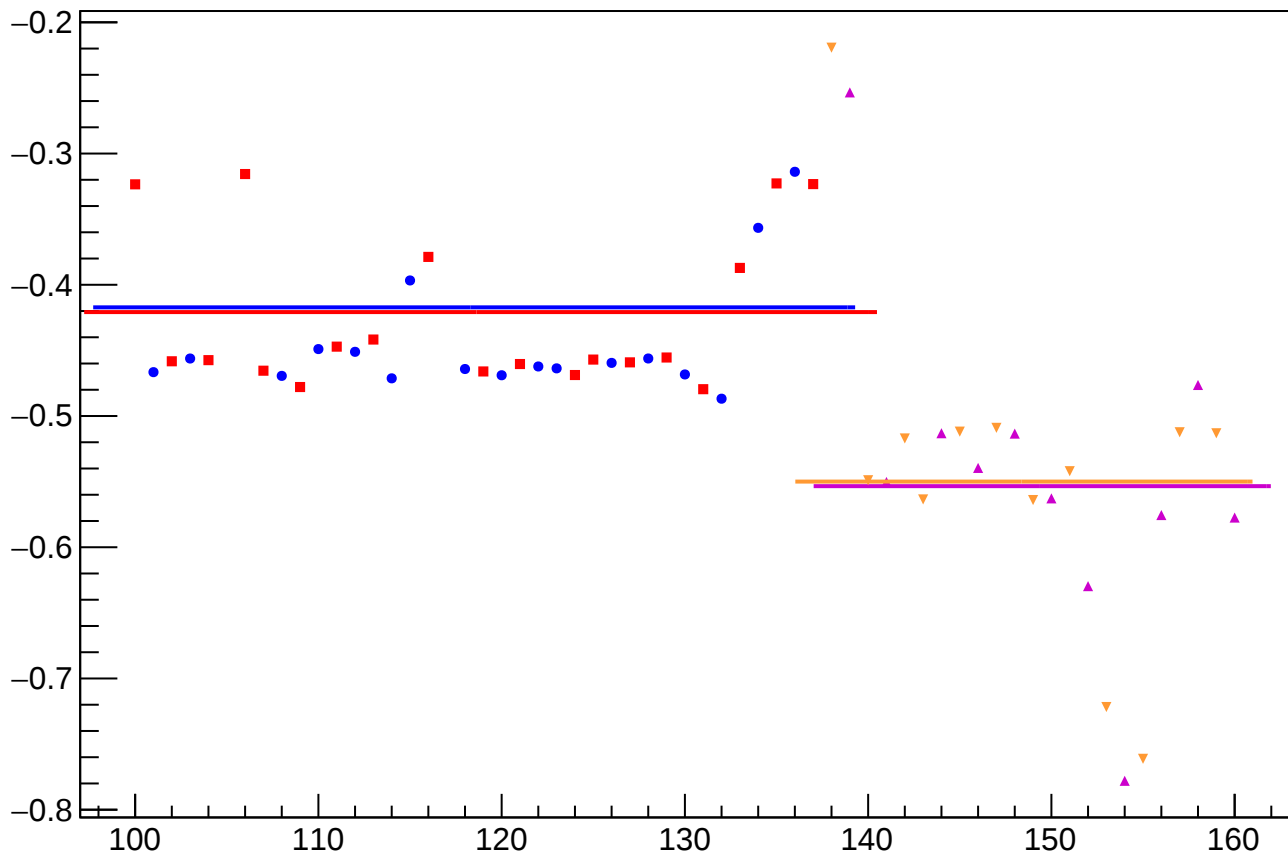
Right Out: 0.011+/-0.000 χ^2/NDF : 154529.8/18

Left In: 0.010+/-0.000 χ^2/NDF : 40817.0/10

0.011+/-0.000 χ^2/NDF : 306835.5/28

0.011+/-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: -0.550+/-0.000 χ^2/NDF : 12549759714.5/11

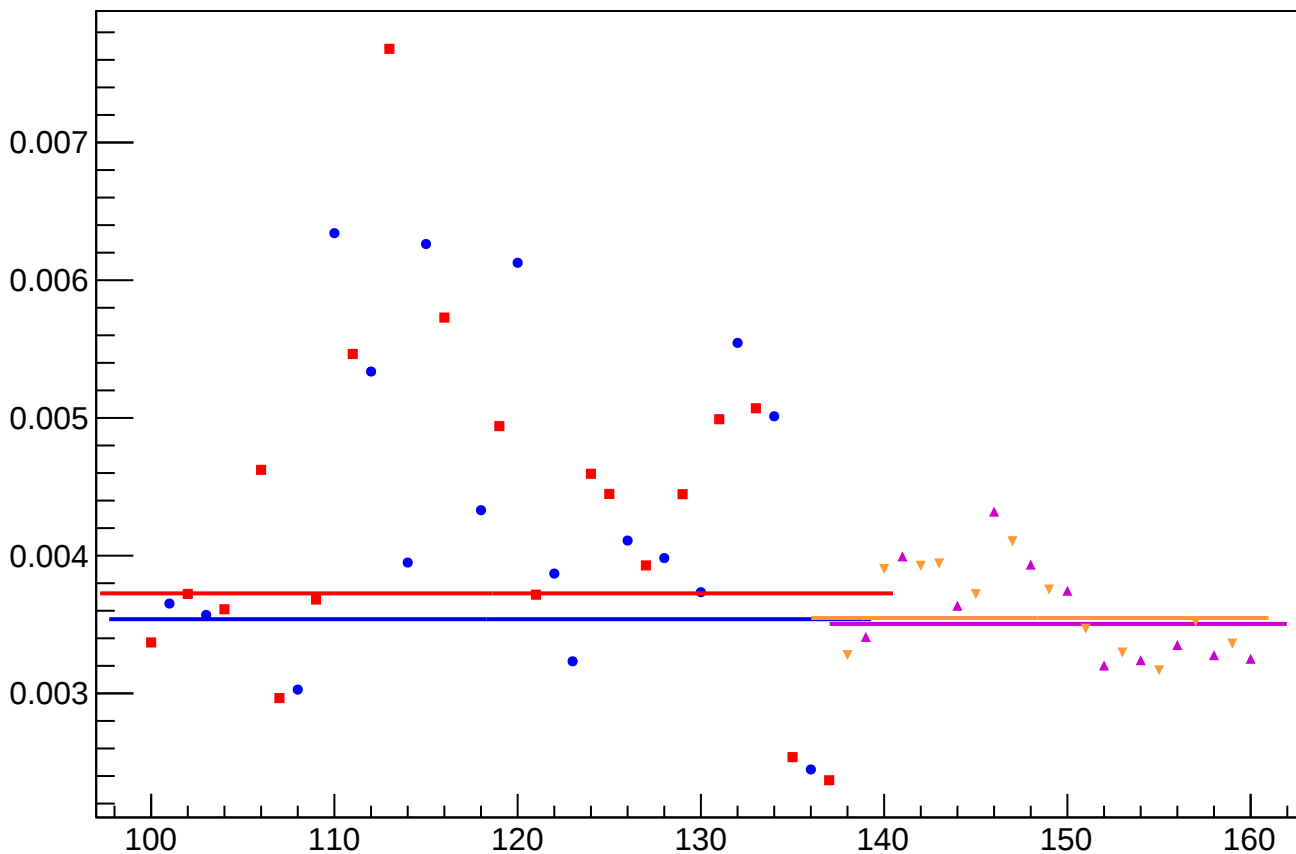
Right Out: -0.421+/-0.000 χ^2/NDF : 1646463410.7/18

Left In: -0.553+/-0.000 χ^2/NDF : 9945668813.8/10

-0.497+/-0.000 χ^2/NDF : 19175248125.4/28

-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: 0.004+/-0.000 χ^2/NDF :109526.2/11

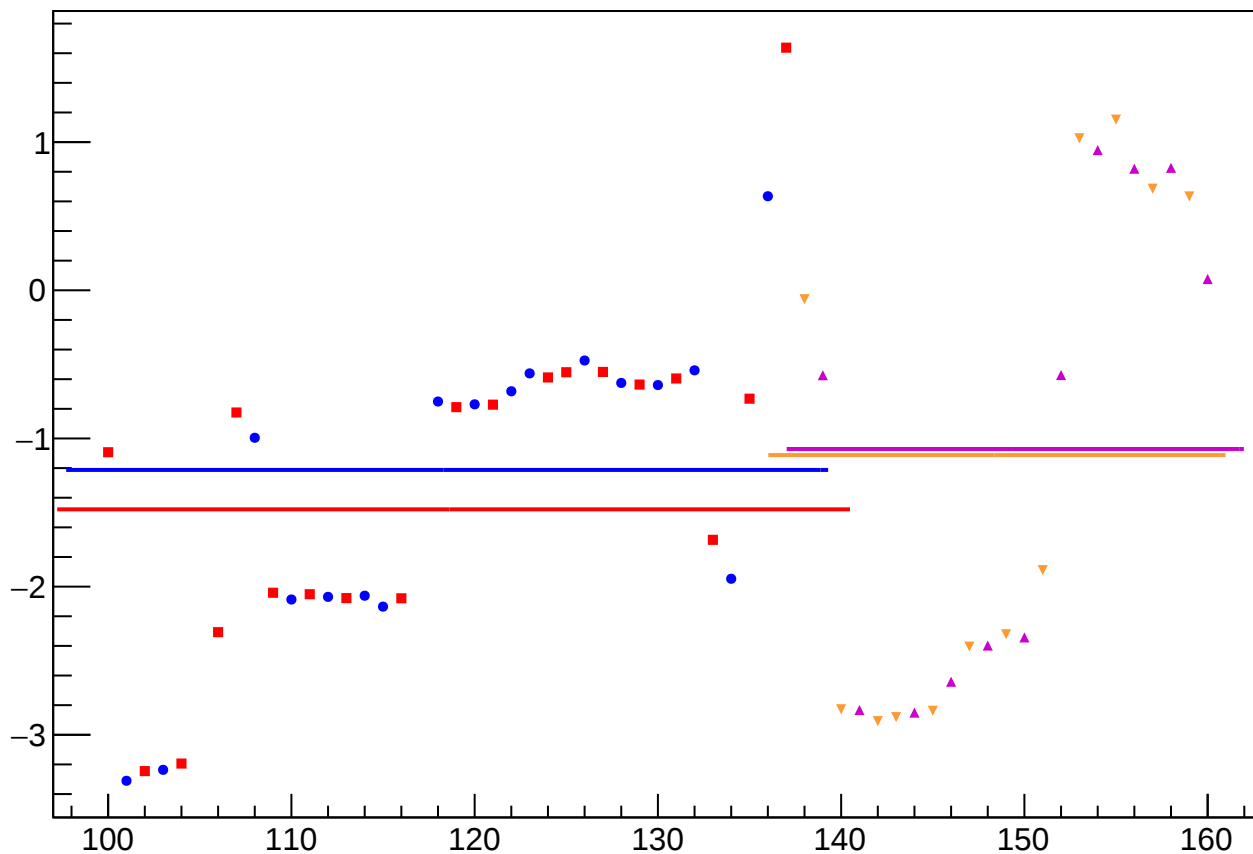
Right Out: 0.004+/-0.000 χ^2/NDF : 898447.6/18

Left In: 0.004+/-0.000 χ^2/NDF :141399.2/10

0.004+/-0.000 χ^2/NDF : 945720.4/28

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: -1.112+/-0.000 χ^2/NDF : 4224728777.3/11

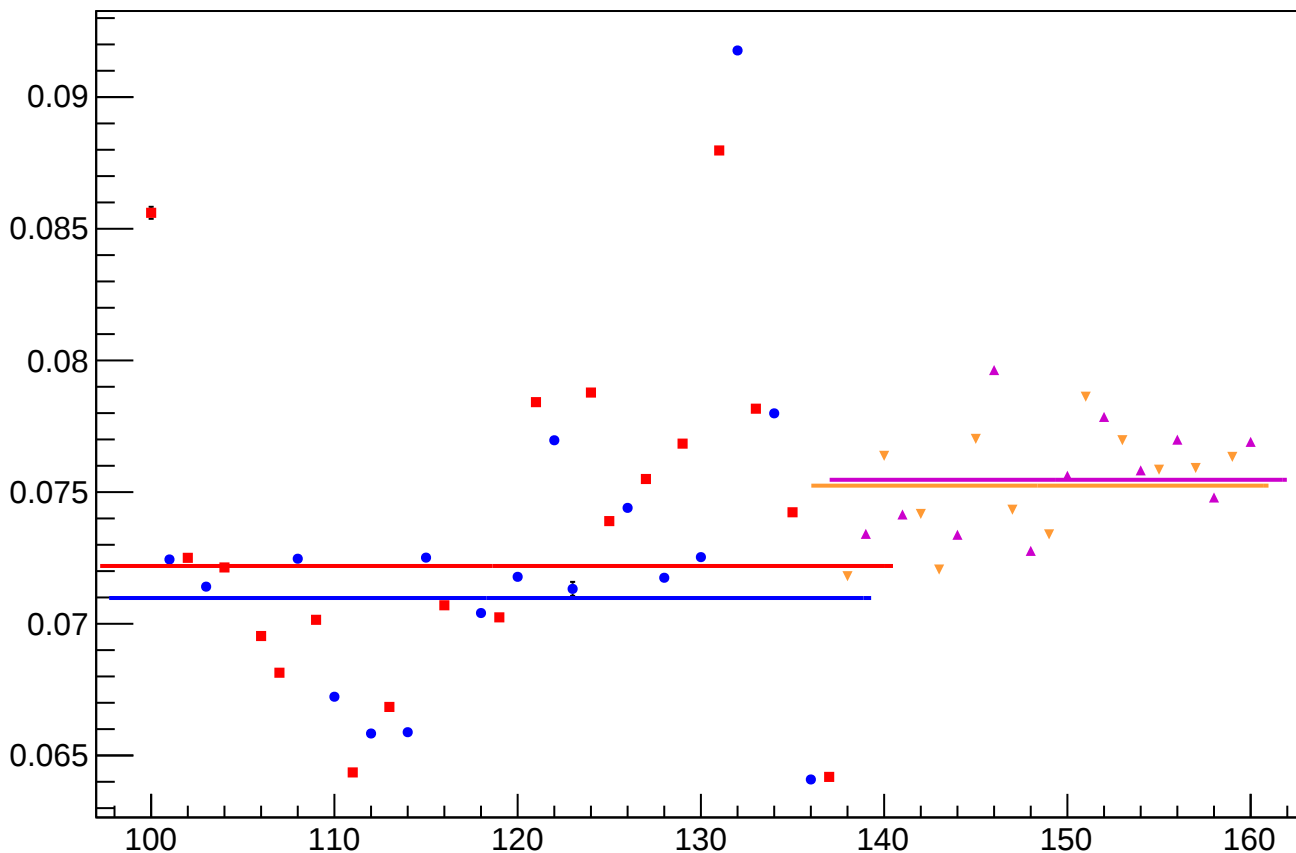
Right Out: -1.478+/-0.000 χ^2/NDF : 1578264383.8/18

Left In: -1.071+/-0.000 χ^2/NDF : 3565489574.8/10

-1.158+/-0.000 χ^2/NDF : 6224715286.0/28

-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: 0.075+/-0.000 χ^2/NDF : 12614.6/11

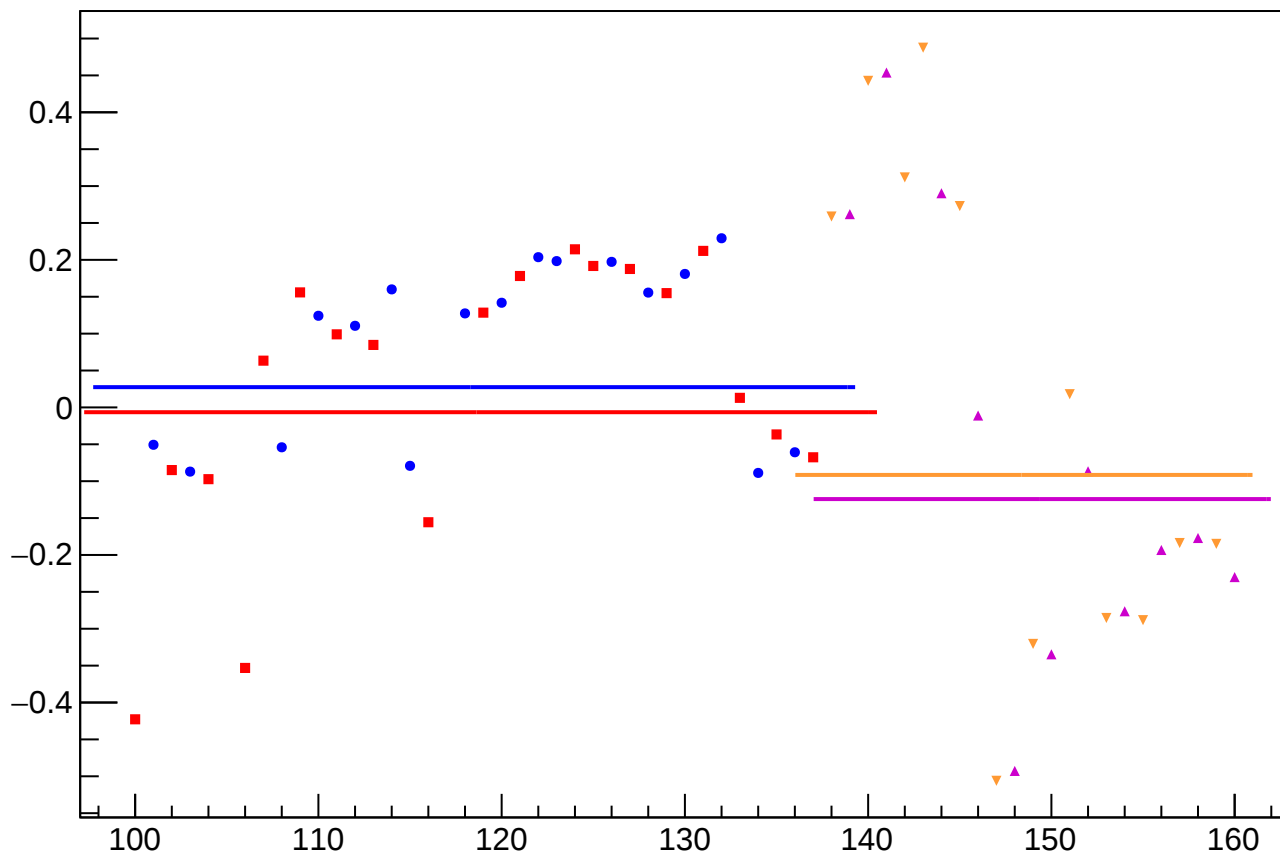
Right Out: 0.072+/-0.000 χ^2/NDF : 73228.9/18

Left In: 0.075+/-0.000 χ^2/NDF : 11994.3/10

0.073+/-0.000 χ^2/NDF : 115995.5/28

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: -0.092+/-0.000 χ^2/NDF : 12971166906.2/11

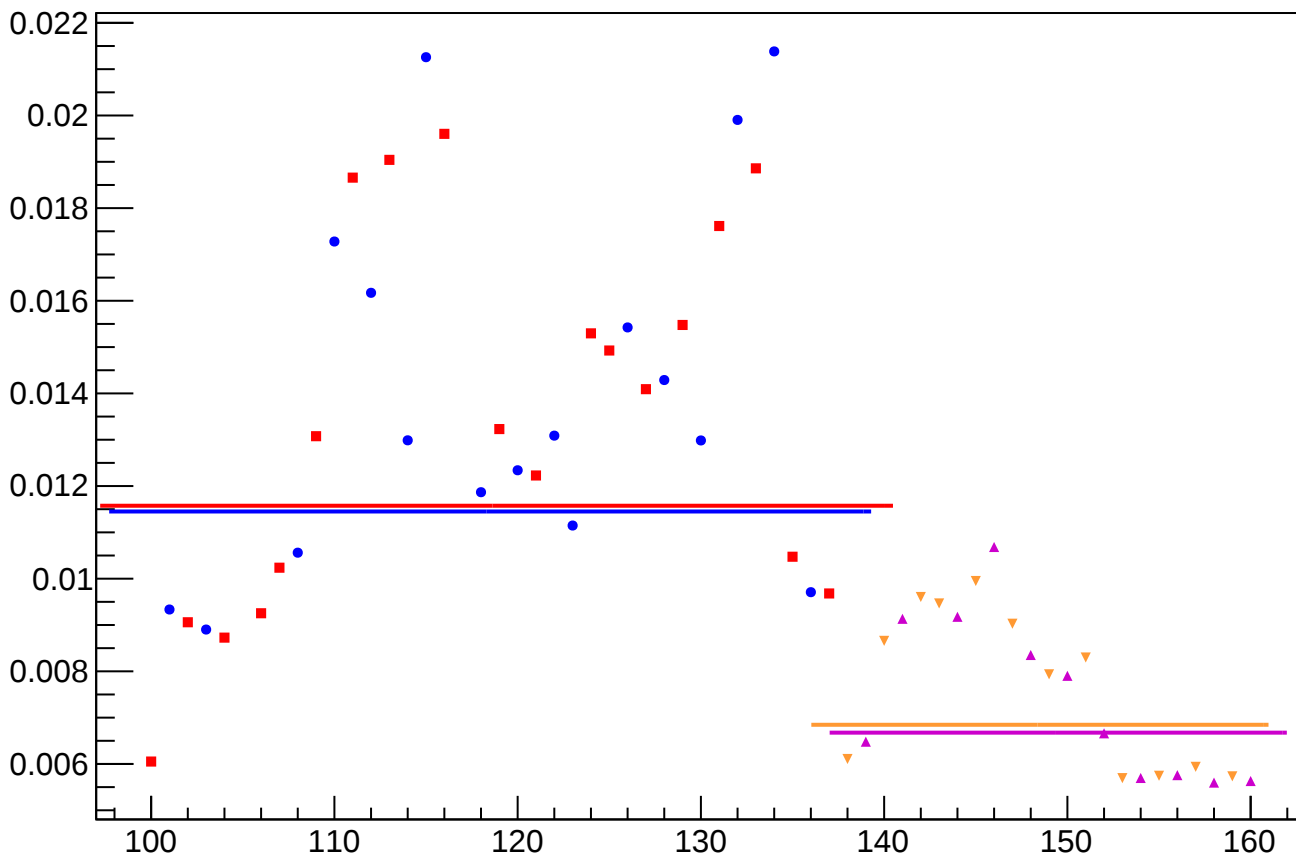
Right Out: -0.007+/-0.000 χ^2/NDF : 1199278894.0/18

Left In: -0.124+/-0.000 χ^2/NDF : 10030024392.4/10

-0.067+/-0.000 χ^2/NDF : 14026465993.9/28

-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 : 736207.5/11

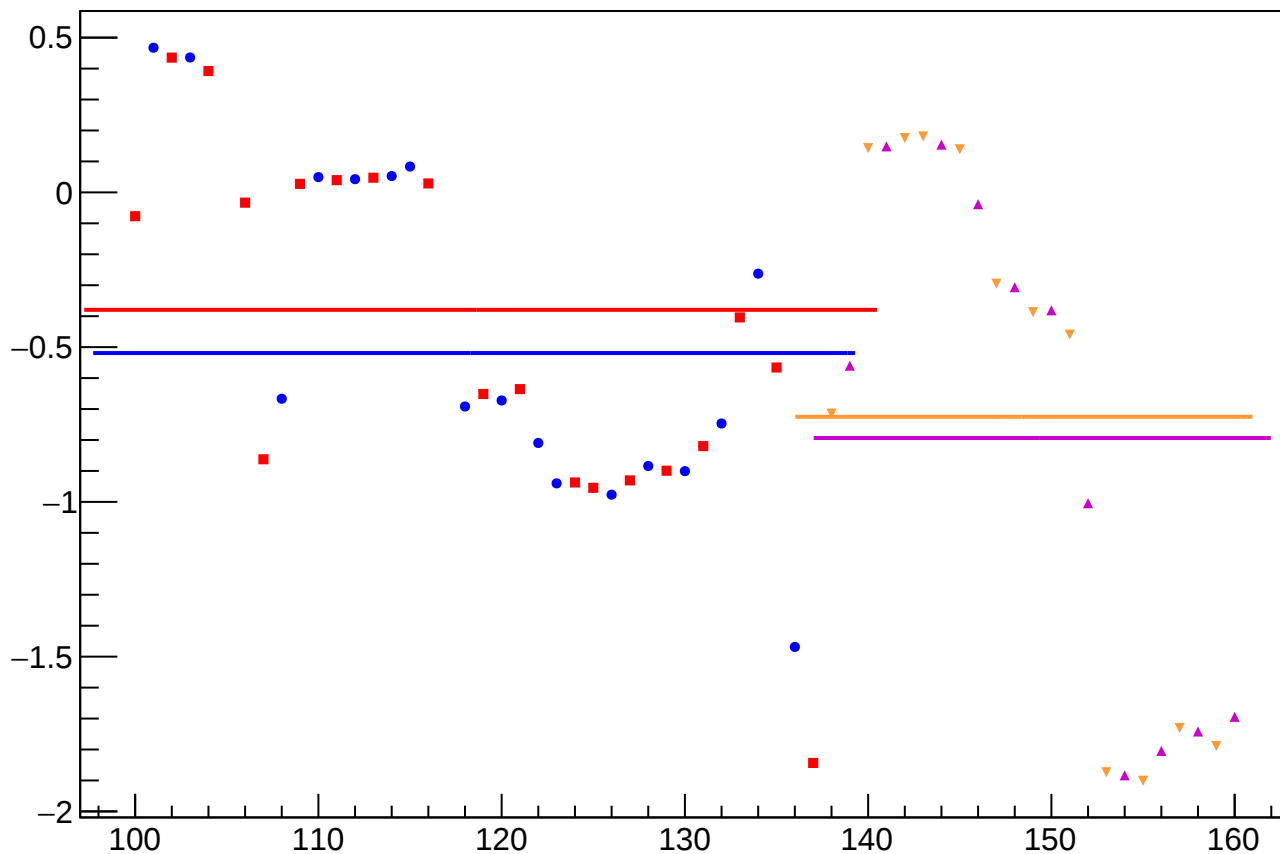
Right Out: 0.012+/-0.000 χ^2/NDF : 997161.1/18

Left In: 0.007+/-0.000 χ^2/NDF : 712298.6/10

0.008+/-0.000 χ^2/NDF : 2892908.9/28

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: -0.725 ± 0.000 χ^2/NDF : 786585274.1/11

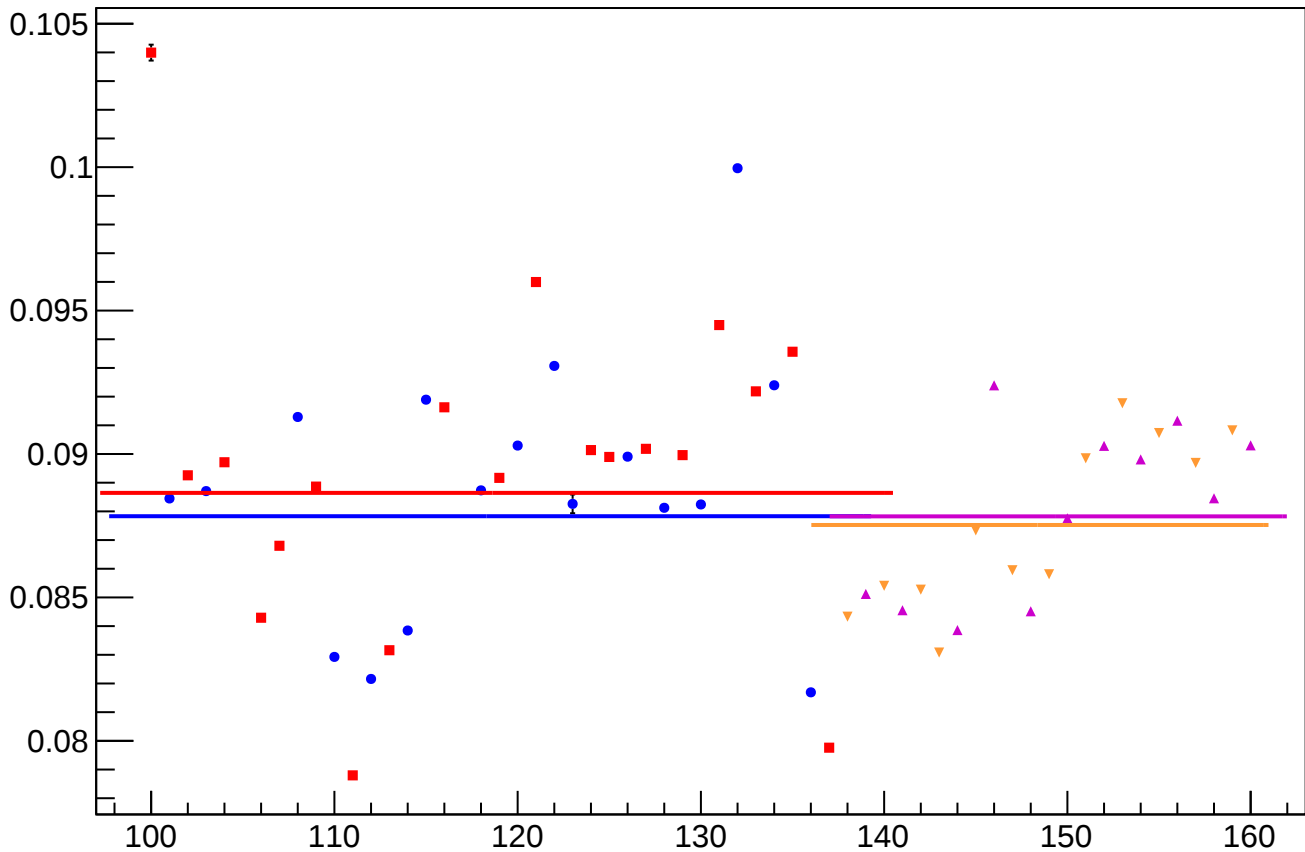
Right Out: -0.379 ± 0.000 χ^2/NDF : 268621179.0/18

Left In: -0.794 ± 0.000 χ^2/NDF : 712396034.2/10

-0.637 ± 0.000 χ^2/NDF : 1147018994.9/28

-0.611 ± 0.000 χ^2/NDF : 1067727020.6/29

yield_bpm0r05X_rms vs Slug



Right In: 0.088+/-0.000 χ^2/NDF : 34954.4/16

Left Out: 0.088+/-0.000 χ^2/NDF :18099.9/11

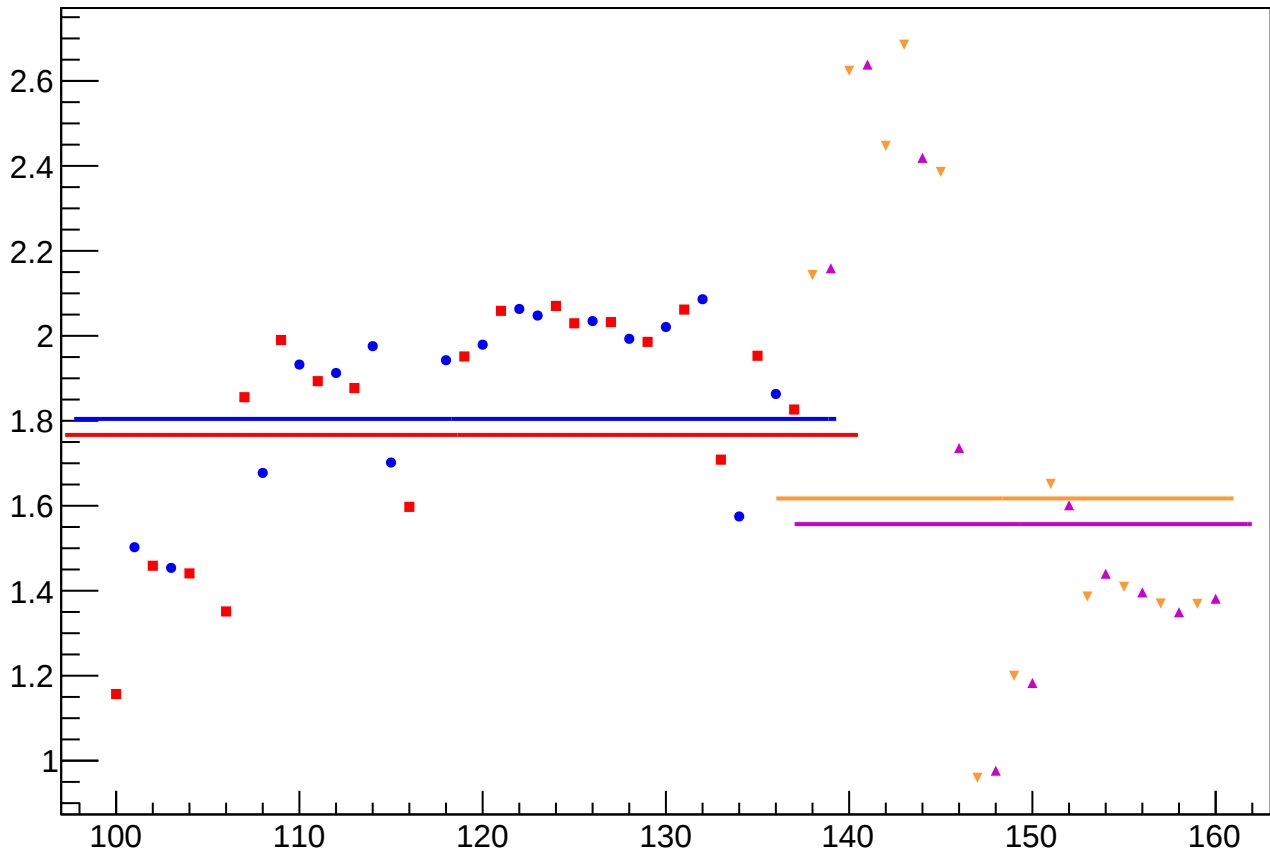
Right Out: 0.089+/-0.000 χ^2/NDF : 39722.9/18

Left In: 0.088+/-0.000 χ^2/NDF :19355.2/10

0.088+/-0.000 χ^2/NDF : 53147.1/28

0.088+/-0.000 χ^2/NDF : 59755.7/29

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 ± 0.000 χ^2/NDF : 1156747883.2/16

Left Out: 1.617 ± 0.000 χ^2/NDF : 21991108854.5/11

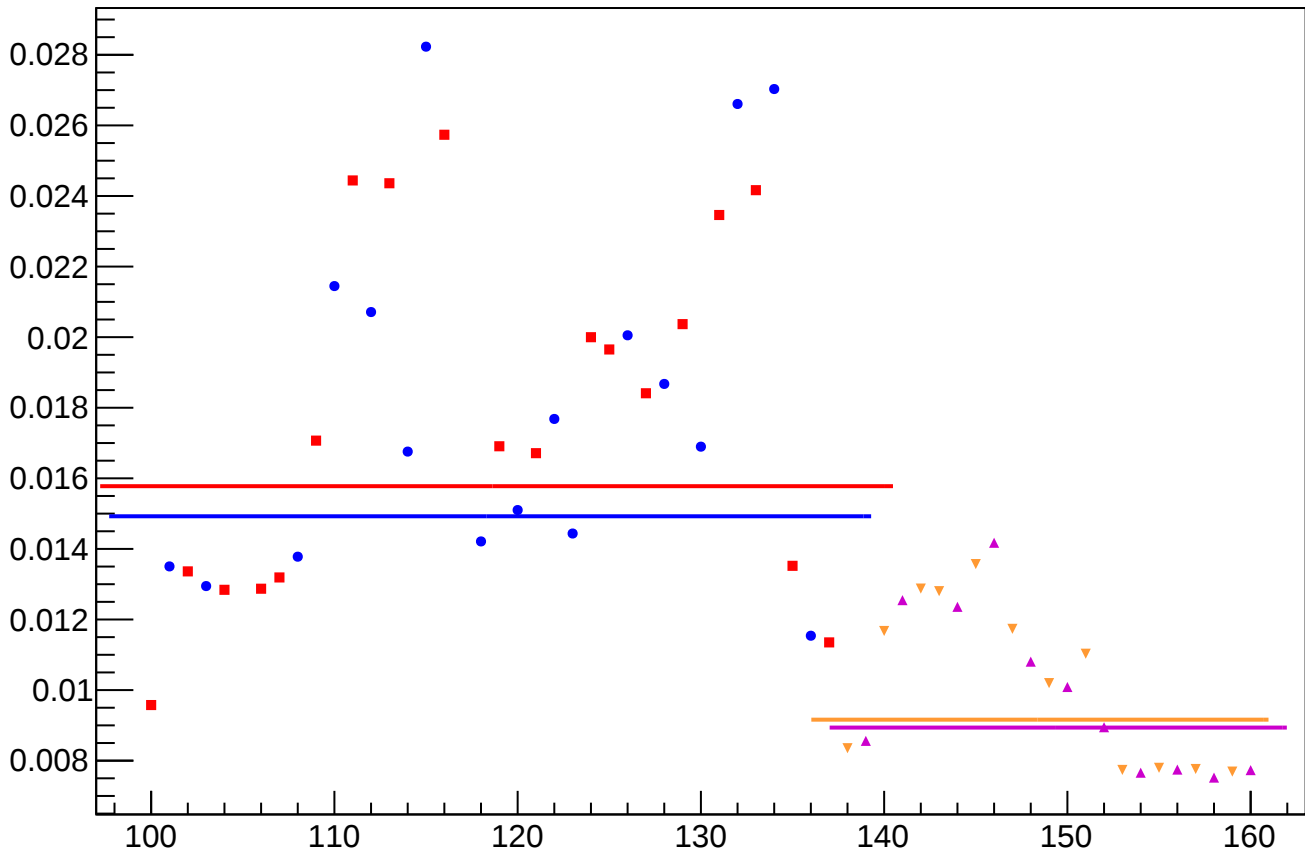
Right Out: 1.767 ± 0.000 χ^2/NDF : 1709259284.5/18

Left In: 1.557 ± 0.000 χ^2/NDF : 17568597516.4/10

1.657 ± 0.000 χ^2/NDF : 23861320929.3/28

1.597 ± 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 : 715932.1/11

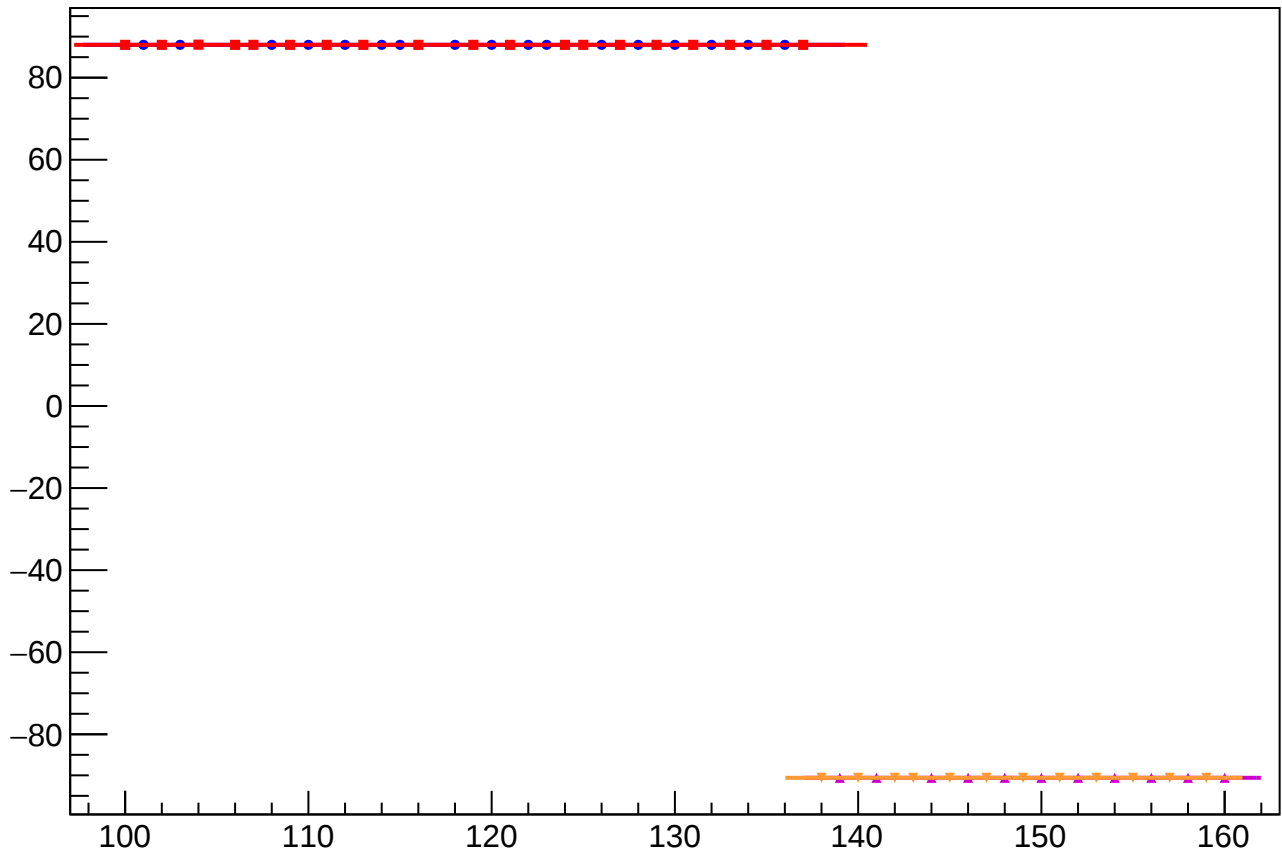
Right Out: 0.016+/-0.000 χ^2/NDF : 786107.1/18

Left In: 0.009+/-0.000 χ^2/NDF : 674032.7/10

0.010+/-0.000 χ^2/NDF : 2711741.5/28

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 : 3719687.4/11

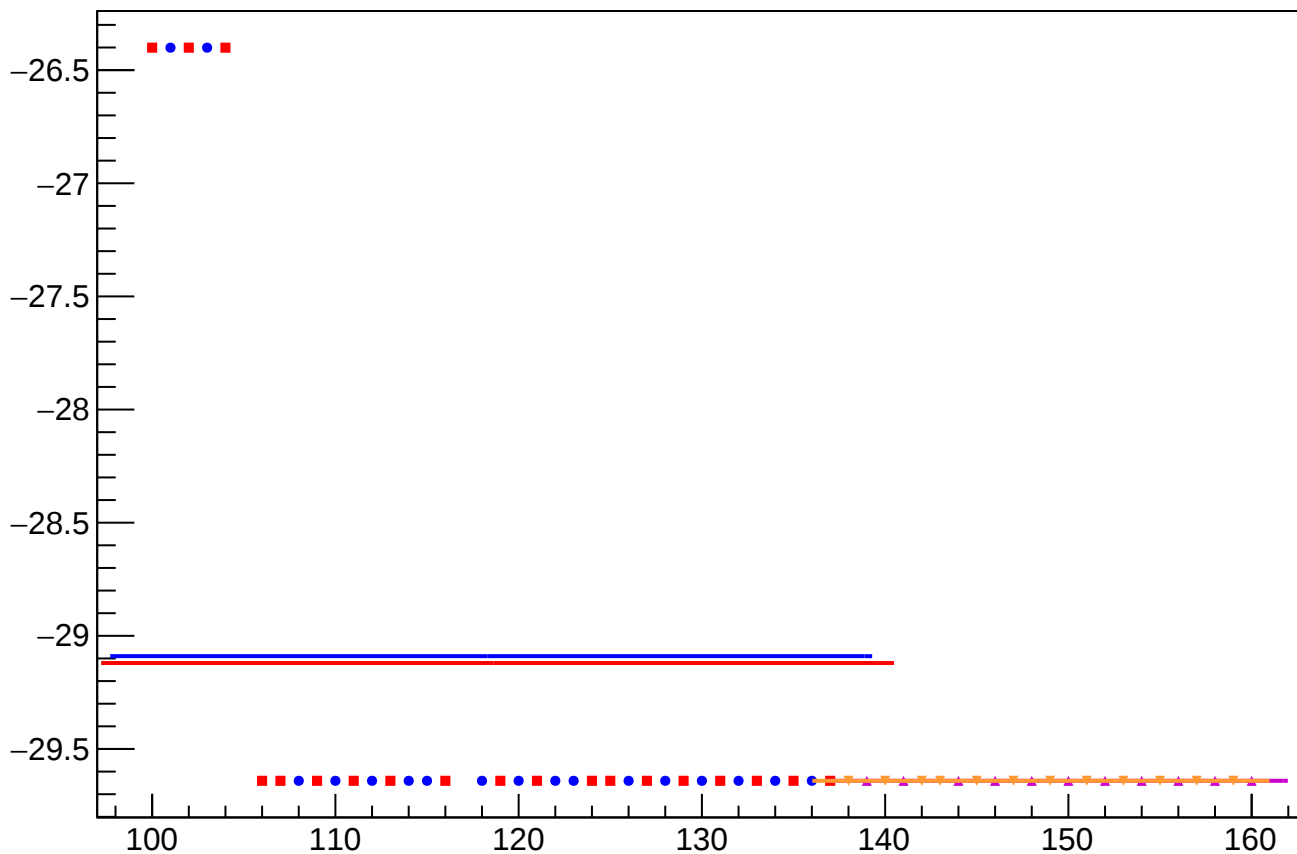
-13.993+/-0.000 χ^2/NDF : 12642001383040774

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 :198300.7/11

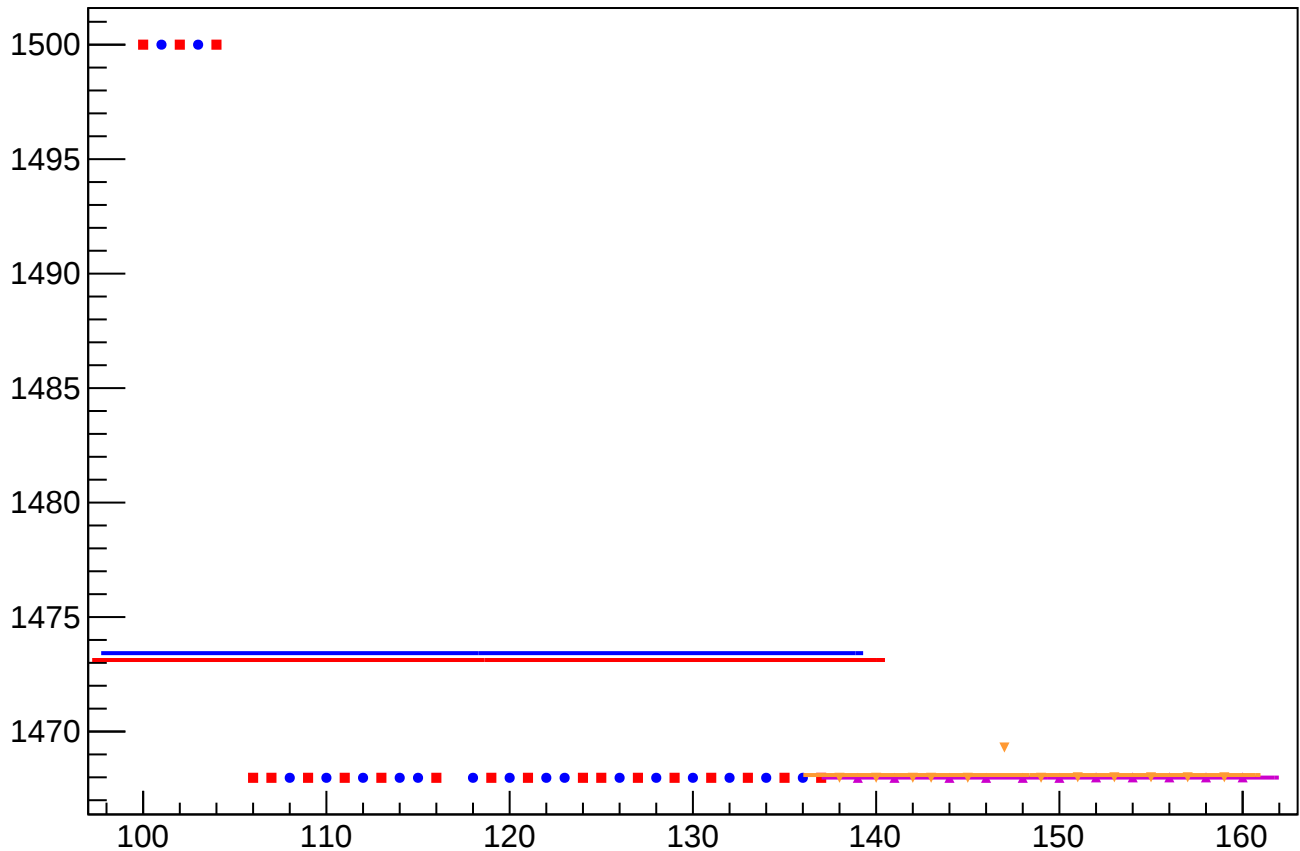
Right Out: -29.120+/-0.000 χ^2/NDF : 1022076578393359839206130891882496.0/18

Left In: -29.641+/-0.000 χ^2/NDF :63512.8/10

-29.404+/-0.000 χ^2/NDF : 11483777503090146

-29.413+/-0.000 χ^2/NDF : 11319561442622754

epics_psub_pl_poss_mean vs Slug



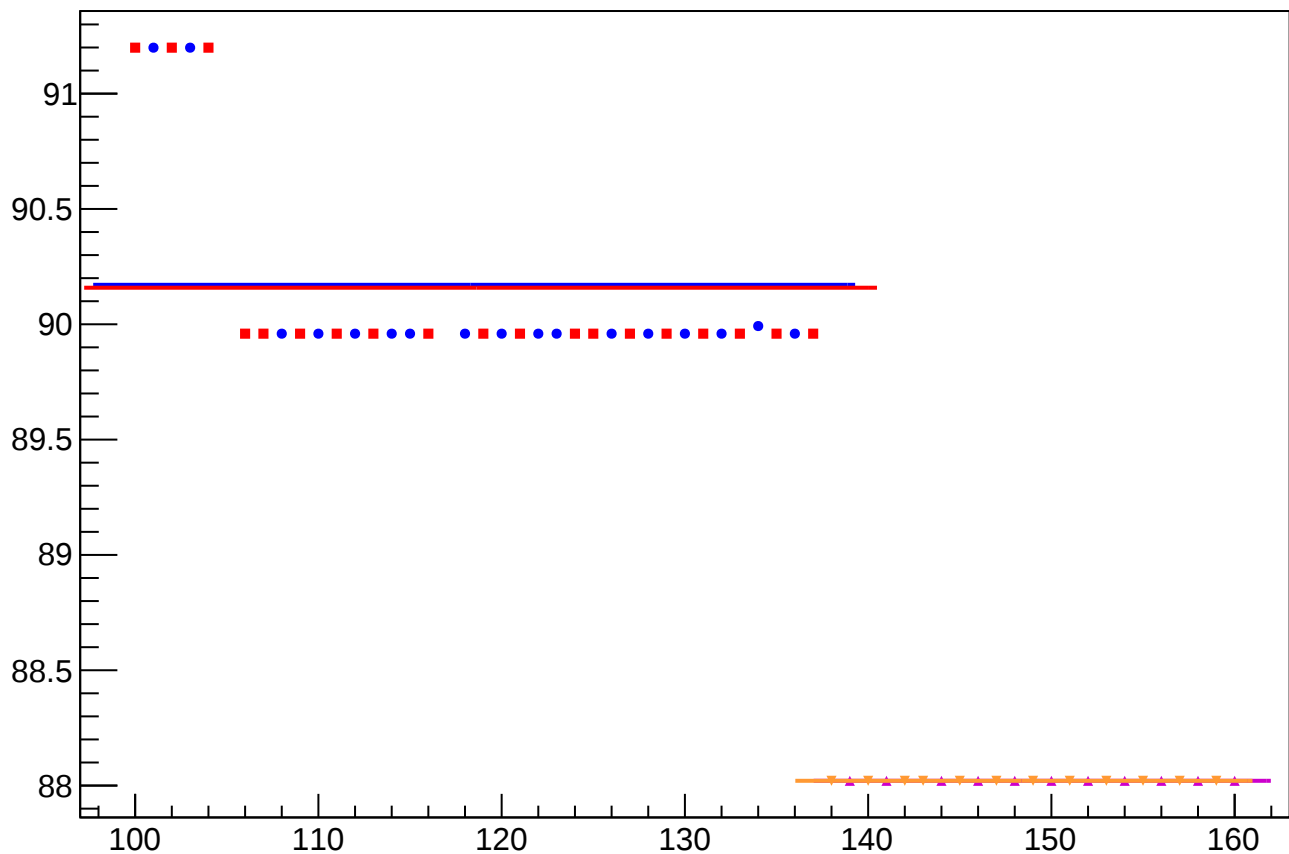
Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1468.100+/-0.000 χ^2/NDF : 123122523995989357945833520103424.0/11

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 $\pm$ 0.000 χ^2/NDF : 150316905454500935857801185460224.0/16

Left Out: 88.021 $\pm$ 0.000 χ^2/NDF : 3066788.3/11

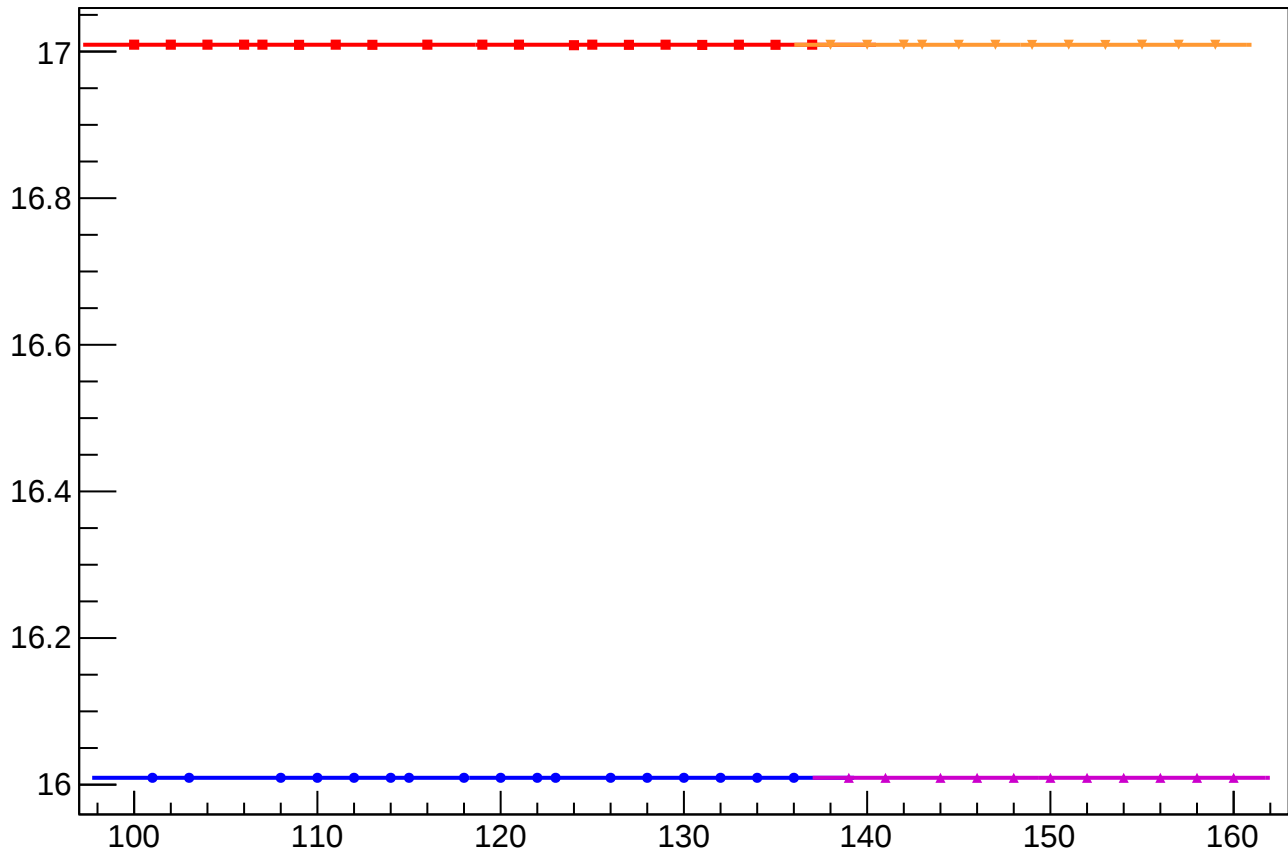
Right Out: 90.159 $\pm$ 0.000 χ^2/NDF : 149705165651000025160777180643328.0/18

Left In: 88.021 $\pm$ 0.000 χ^2/NDF : 1318117.2/10

88.943 $\pm$ 0.000 χ^2/NDF : 198306743758159821

88.958 $\pm$ 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: 10208307372129150314741760.0/11

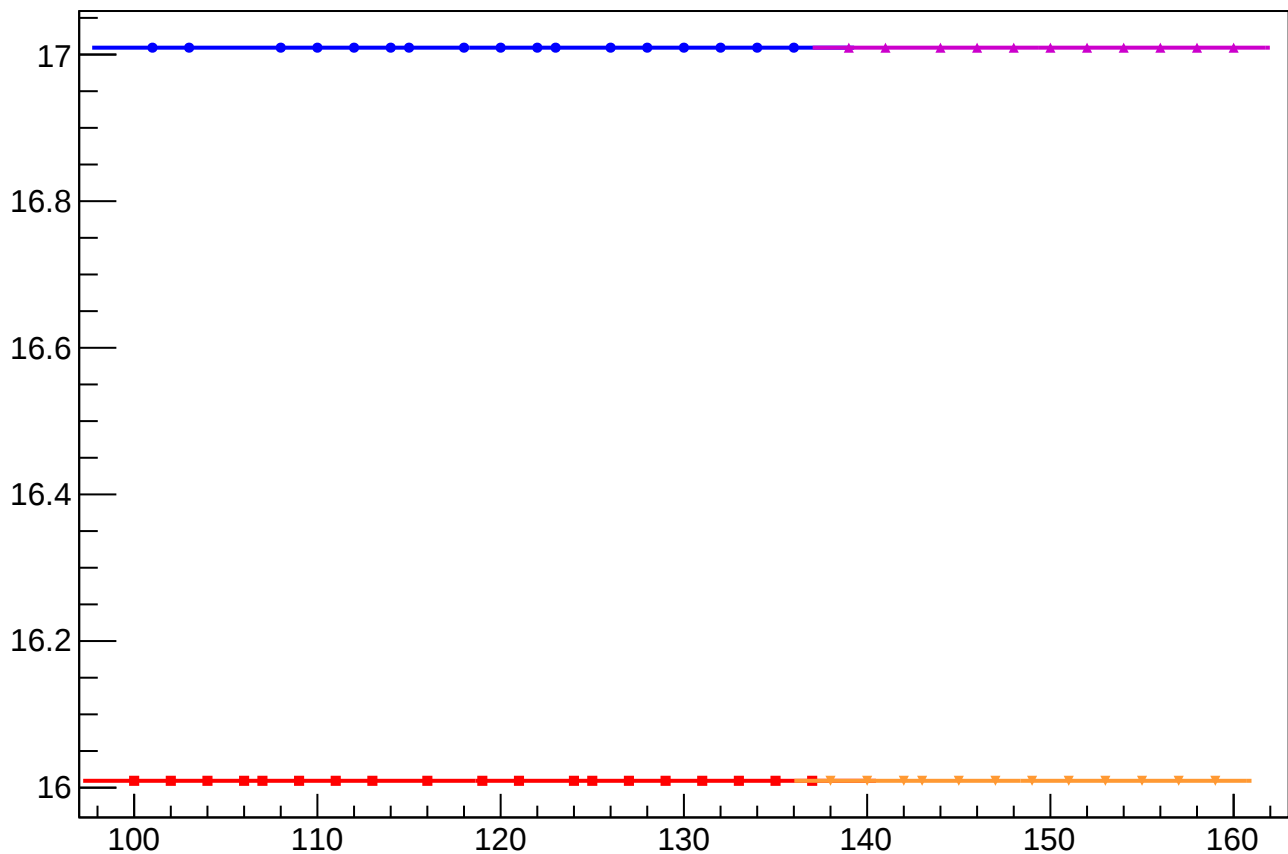
Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 12516014336037541461884928.0/18

Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 36653.6/10

16.564 $\pm$ 0.000 χ^2 /NDF: 367367198149583820

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 : 39821.7/11

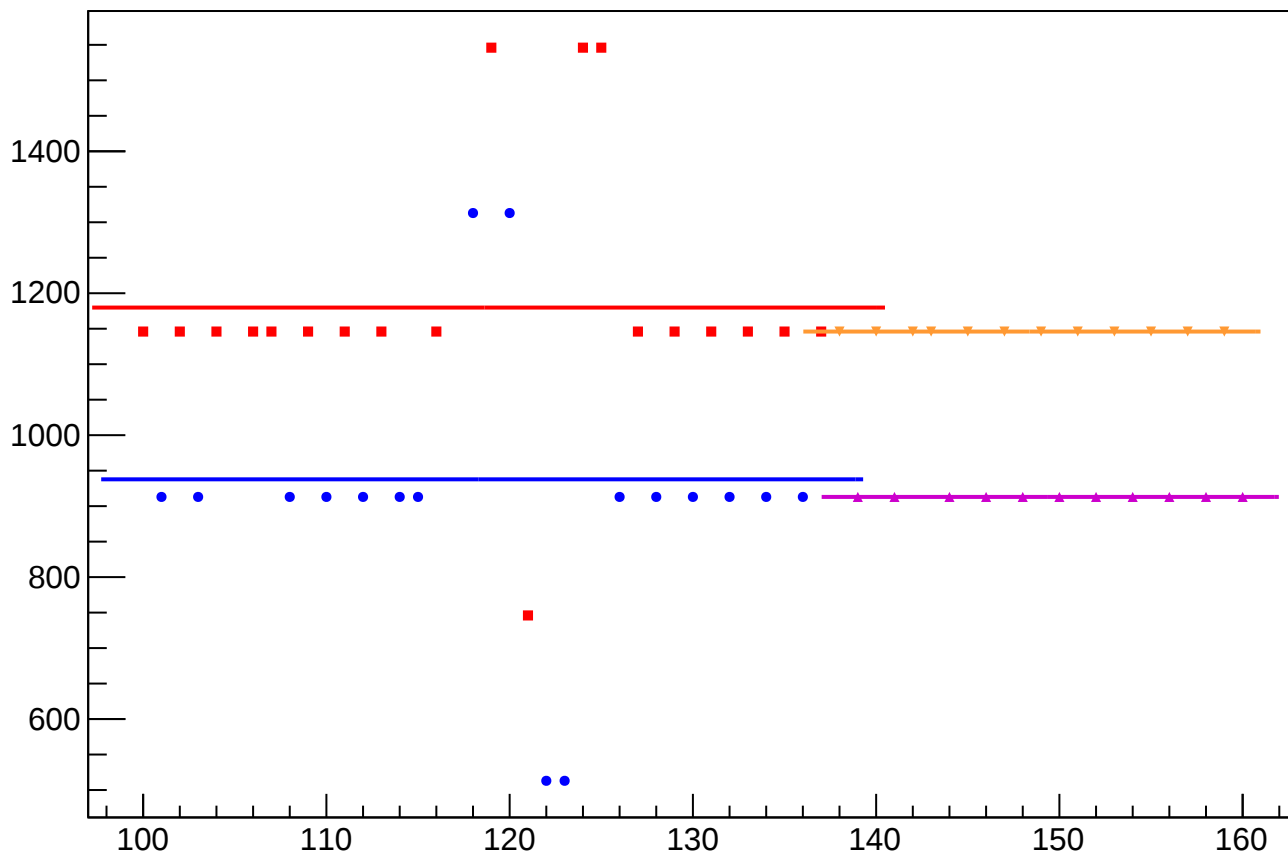
Right Out: 16.009+/-0.000 χ^2/NDF : 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF : 14628.6/10

16.429+/-0.000 χ^2/NDF : 384278833967042187

16.570+/-0.000 χ^2/NDF : 400979729729694039

epics_RTPAPOSUCNTs_mean vs Slug



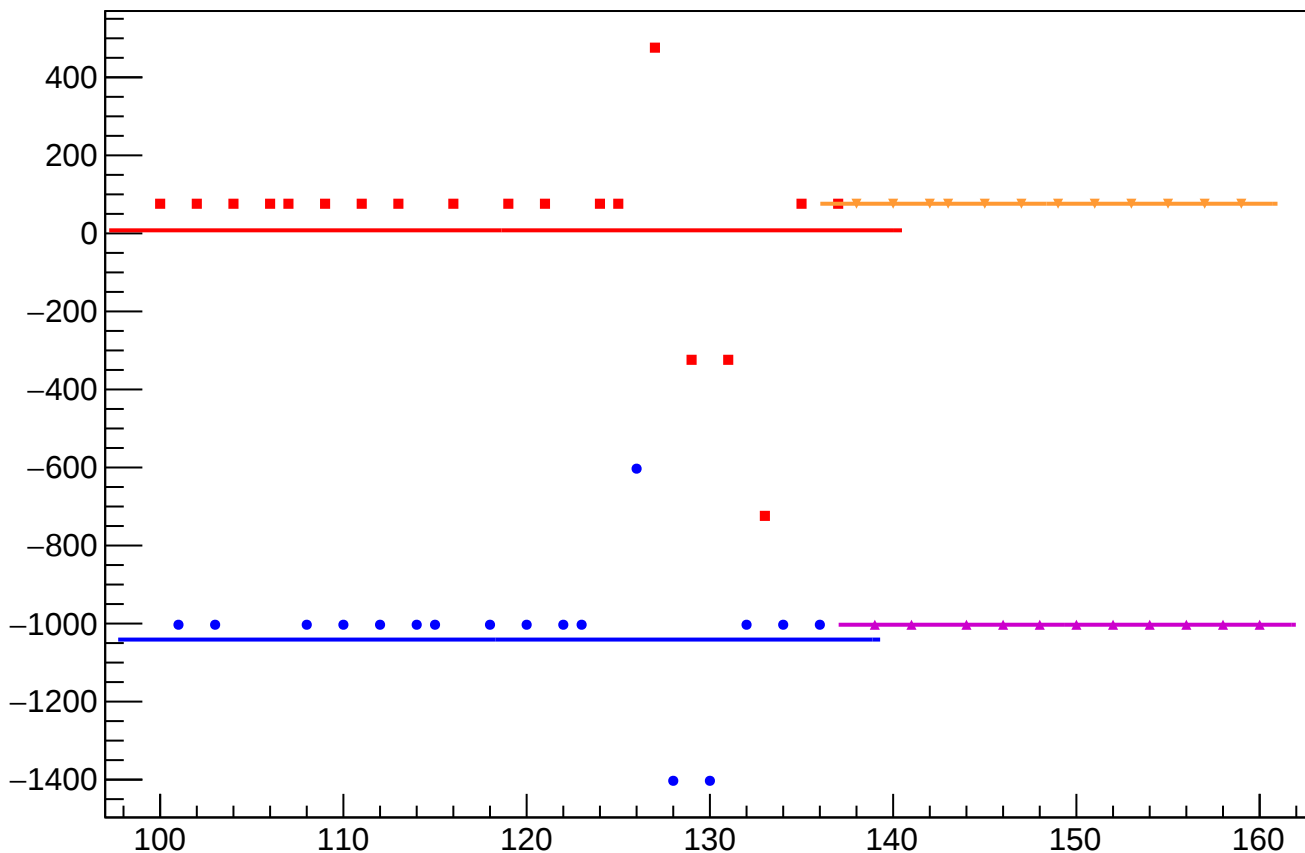
Right In: 937.779 $\pm$ 0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.011 $\pm$ 0.000 χ^2/NDF : 2664672947345146801672945664.0/11

Right Out: 1179.805 $\pm$ 0.000 χ^2/NDF : 21416114436530132796905703778824486912.0/18

Left In: 912.994 $\pm$ 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 : 4212185533395648511756730368.0/11

Right Out: 7.865+/-0.000 χ^2/NDF : 43846919472163570410830042713366200320.0/18

Left In: -1002.990+/-0.000 χ^2/NDF : 1253108455733492876495028224.0/10