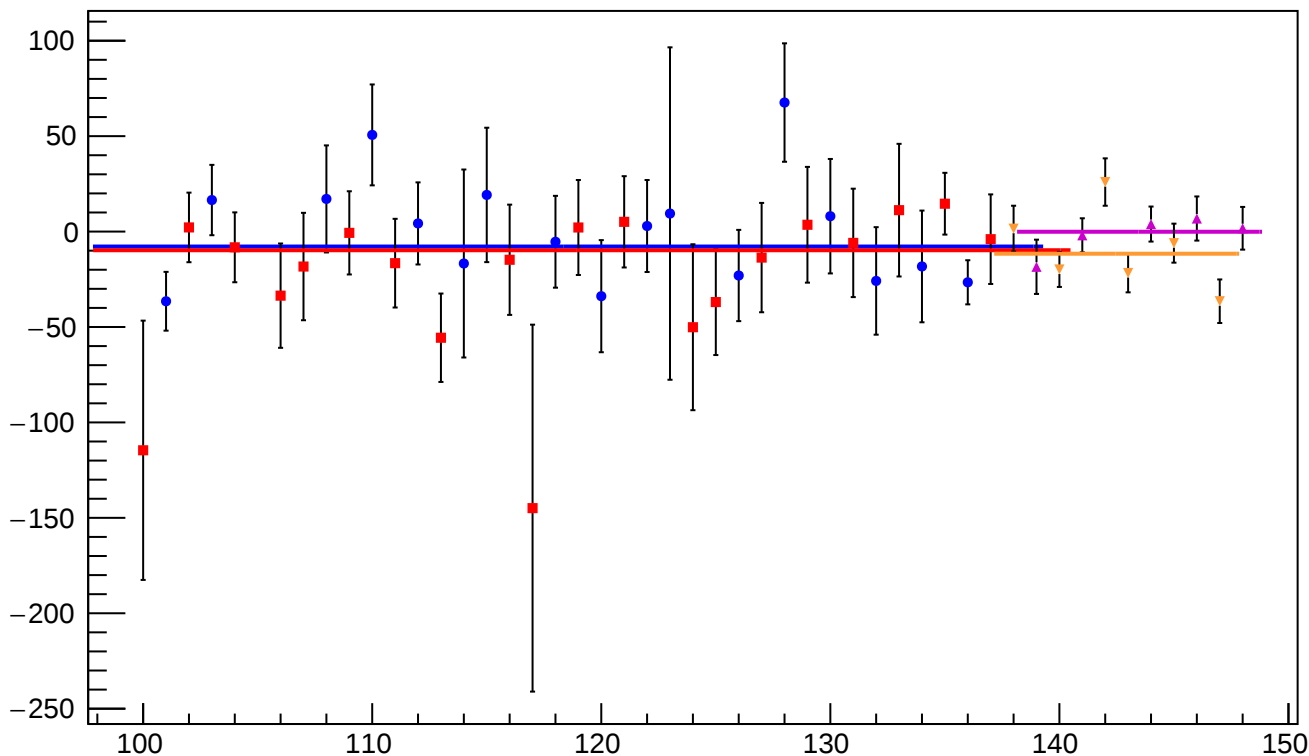


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

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

Left Out: -11.600 ± 4.374

$\chi^2/\text{NDF}: 17.2/5$

Right Out: -9.781 ± 5.667

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

Left In: -0.093 ± 4.722

$\chi^2/\text{NDF}: 2.3/4$

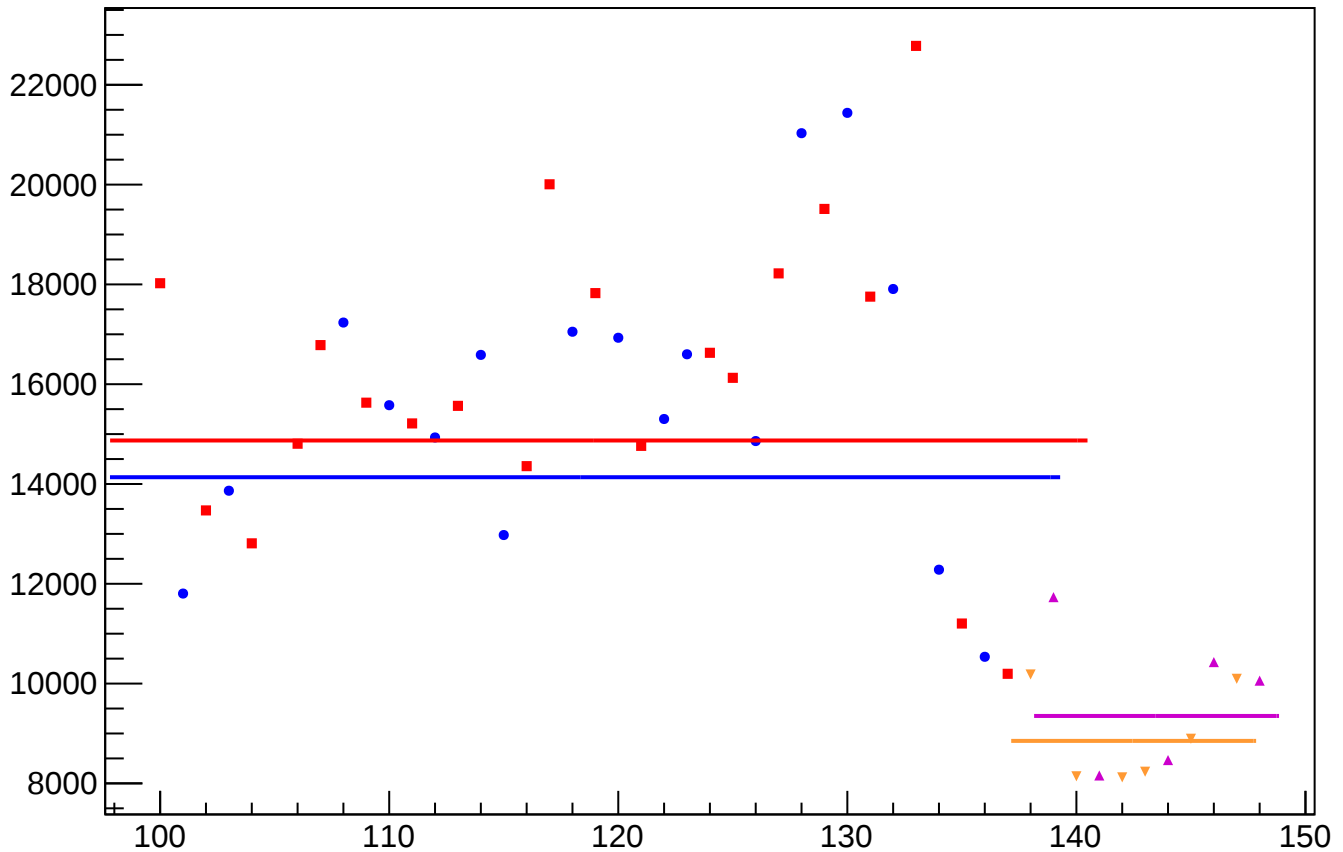
-10.178 ± 3.449

$\chi^2/\text{NDF}: 40.1/22$

-4.062 ± 3.628

$\chi^2/\text{NDF}: 19.2/24$

diff_bpm4aX_rms vs Slug



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

Left Out: 8851.447+/-3.093 χ^2/NDF : 74675.4/5

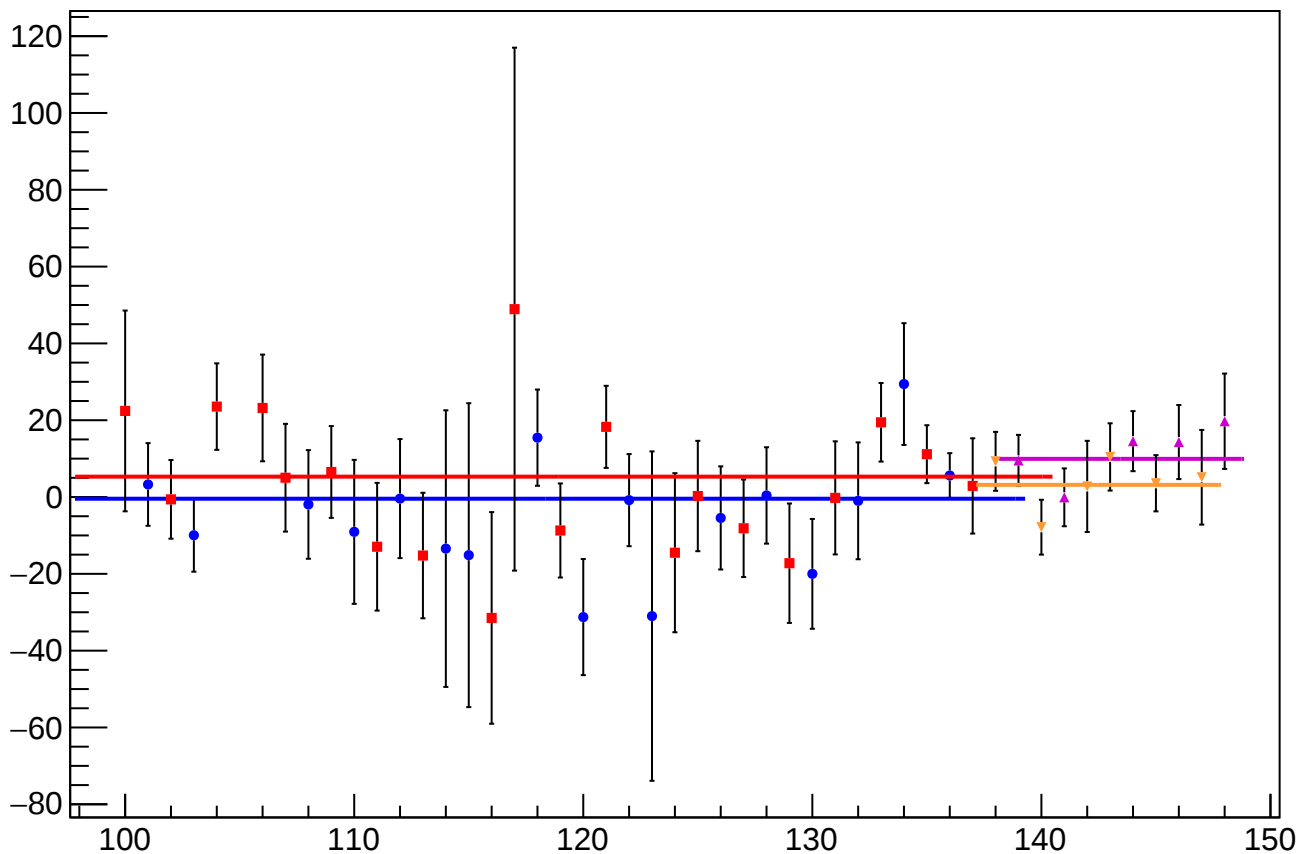
Right Out: 14871.940+/-4.007 χ^2/NDF : 477742.9/19

Left In: 9351.210+/-3.339 χ^2/NDF : 135814.2/4

10850.011+/-2.439 χ^2/NDF : 1775923.9/22

11613.275+/-2.565 χ^2/NDF : 1733789.6/24

diff_bpm4aY_mean vs Slug



Right In: -0.441 ± 3.071 $\chi^2/\text{NDF}: 14.5/16$

Left Out: 3.177 ± 3.493 $\chi^2/\text{NDF}: 3.7/5$

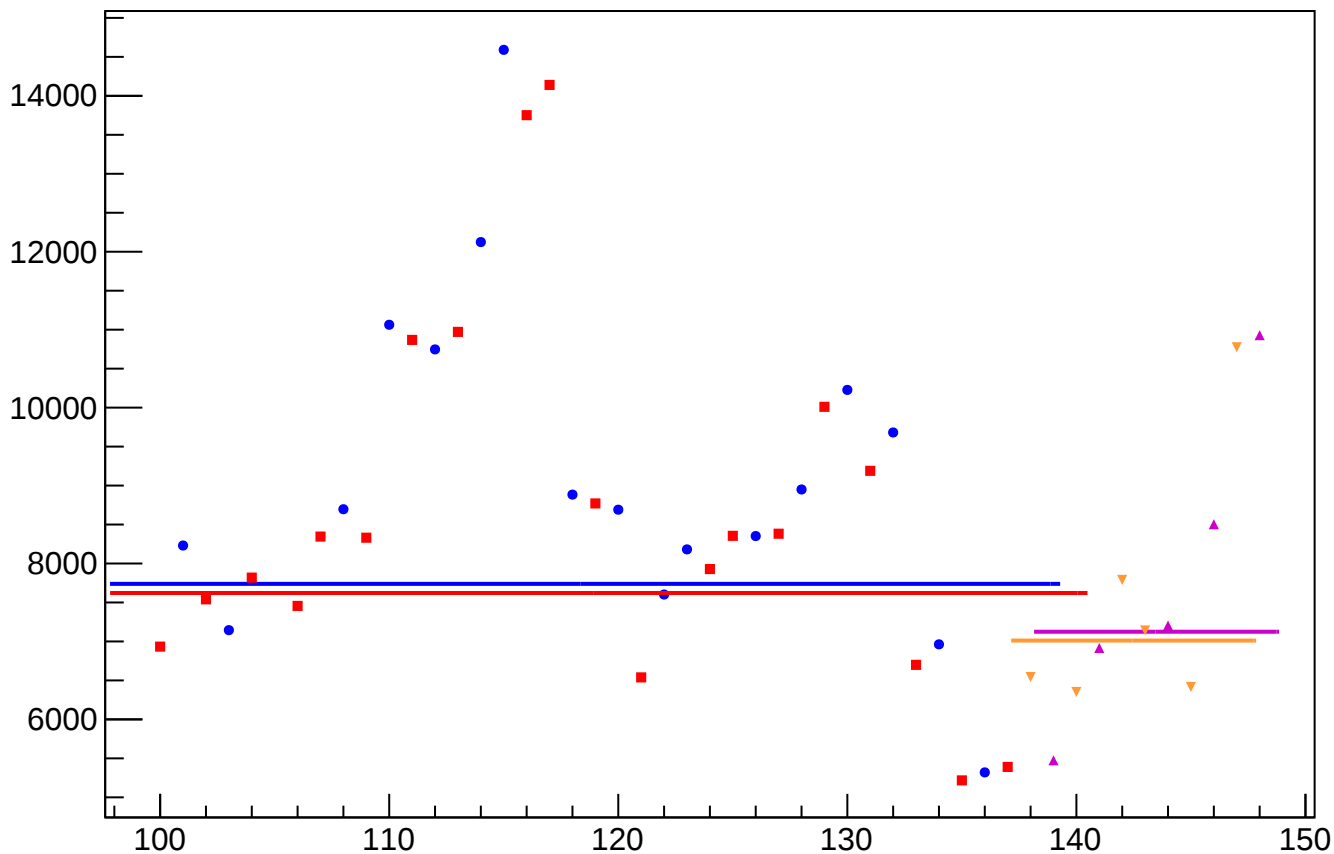
Right Out: 5.310 ± 2.933 $\chi^2/\text{NDF}: 19.8/19$

Left In: 9.942 ± 3.682 $\chi^2/\text{NDF}: 2.9/4$

1.136 ± 2.306 $\chi^2/\text{NDF}: 18.9/22$

7.108 ± 2.294 $\chi^2/\text{NDF}: 23.7/24$

diff_bpm4aY_rms vs Slug



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

Left Out: 7011.380 ± 2.470 χ^2/NDF : 233193.6/5

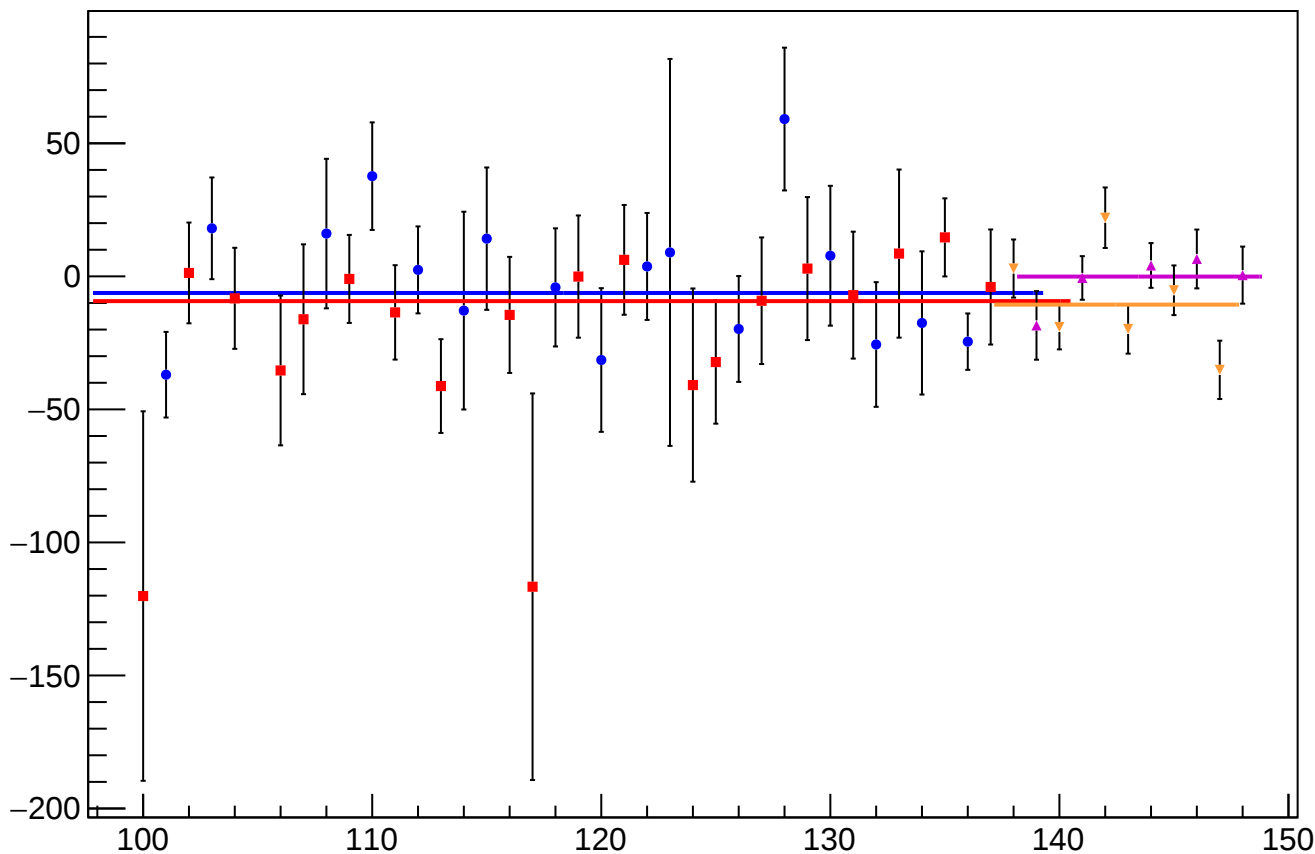
Right Out: 7621.652 ± 2.074 χ^2/NDF : 697548.6/19

Left In: 7124.537 ± 2.603 χ^2/NDF : 353231.8/4

7421.736 ± 1.631 χ^2/NDF : 1022958.6/22

7428.642 ± 1.622 χ^2/NDF : 1073085.9/24

diff_bpm4eX_mean vs Slug



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

Left Out: -10.624 ± 4.030 χ^2/NDF : 17.1/5

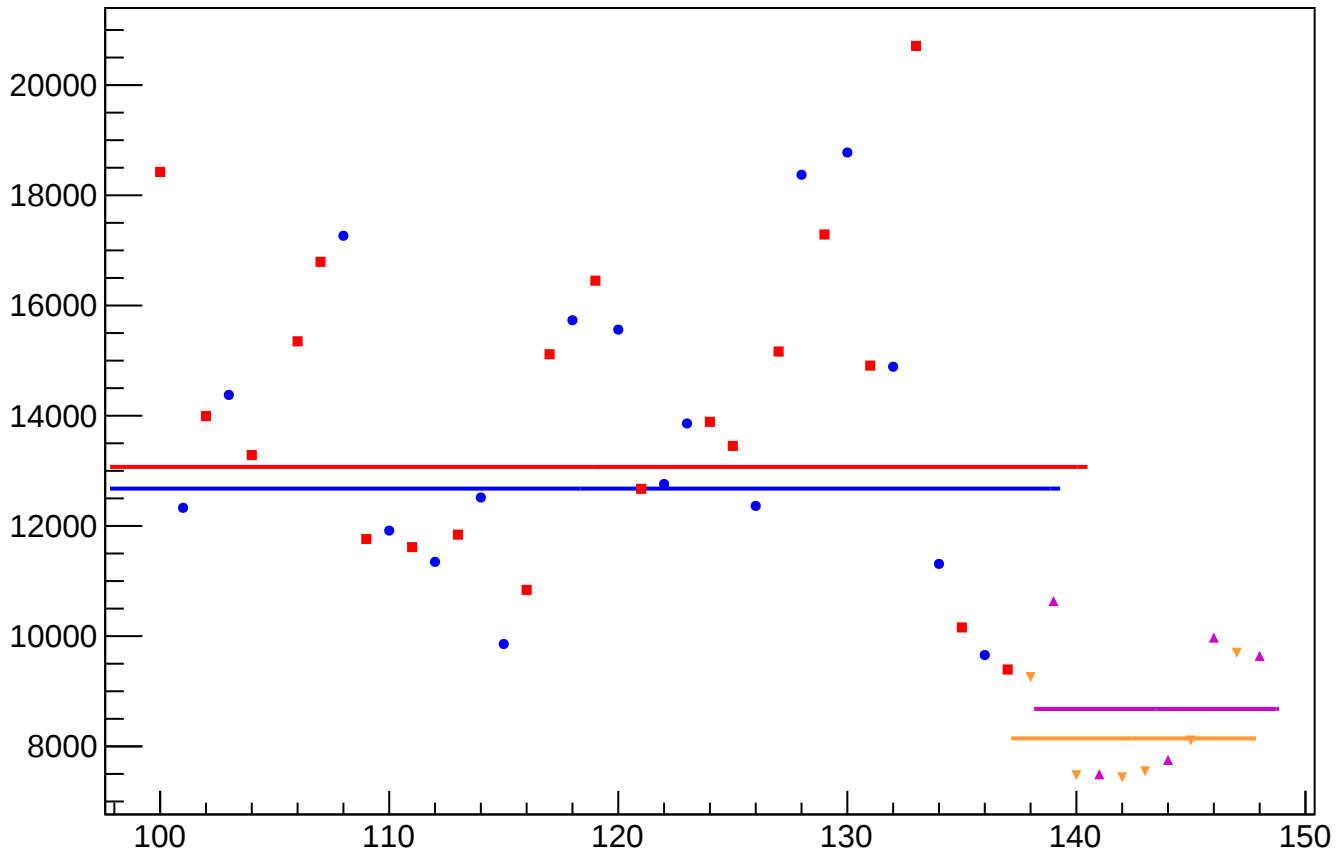
Right Out: -9.310 ± 4.987 χ^2/NDF : 15.3/19

Left In: -0.085 ± 4.388 χ^2/NDF : 2.6/4

-8.907 ± 3.142 χ^2/NDF : 40.7/22

-4.110 ± 3.294 χ^2/NDF : 19.9/24

diff_bpm4eX_rms vs Slug



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

Left Out: 8144.844+/-2.849 χ^2/NDF : 89414.1/5

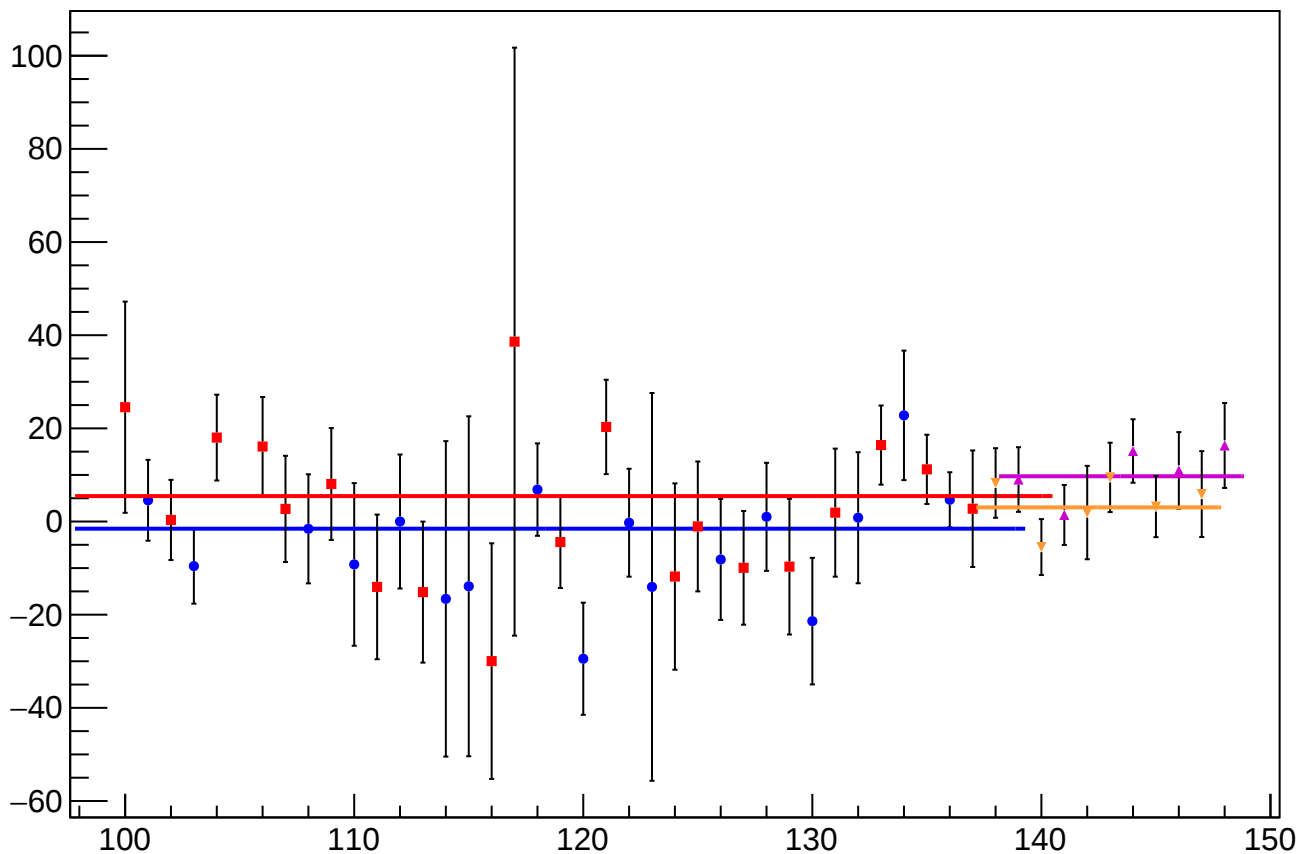
Right Out: 13071.522+/-3.527 χ^2/NDF : 499021.5/19

Left In: 8678.995+/-3.103 χ^2/NDF : 155685.8/4

9922.177+/-2.222 χ^2/NDF : 1635245.9/22

10595.369+/-2.329 χ^2/NDF : 1529202.0/24

diff_bpm4eY_mean vs Slug



Right In: -1.538 ± 2.790 $\chi^2/\text{NDF}: 14.8/16$

Left Out: 3.038 ± 3.036 $\chi^2/\text{NDF}: 3.4/5$

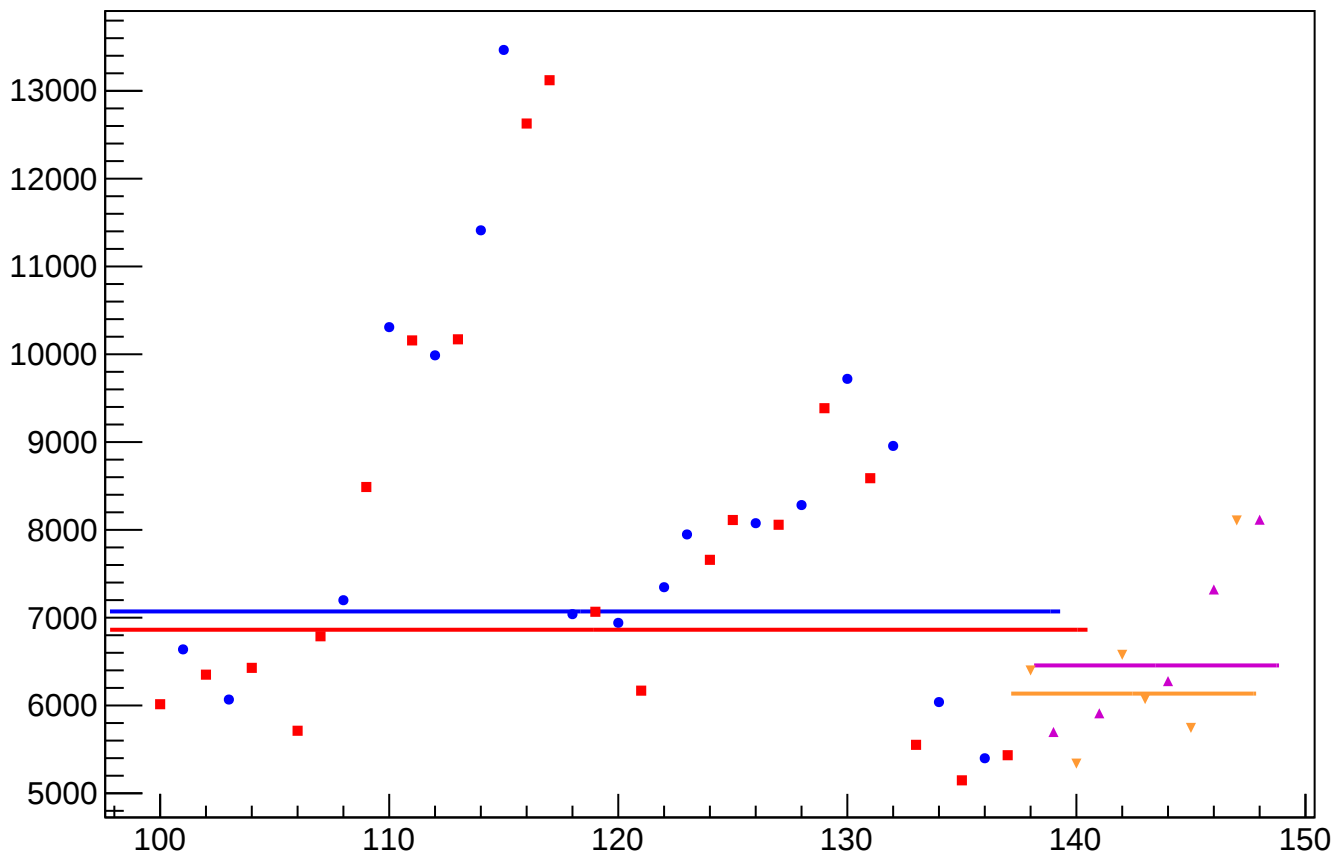
Right Out: 5.463 ± 2.637 $\chi^2/\text{NDF}: 18.9/19$

Left In: 9.717 ± 3.275 $\chi^2/\text{NDF}: 2.9/4$

0.558 ± 2.054 $\chi^2/\text{NDF}: 19.4/22$

7.136 ± 2.054 $\chi^2/\text{NDF}: 22.7/24$

diff_bpm4eY_rms vs Slug



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

Left Out: 6135.290+/-2.146 χ^2 /NDF:140349.2/5

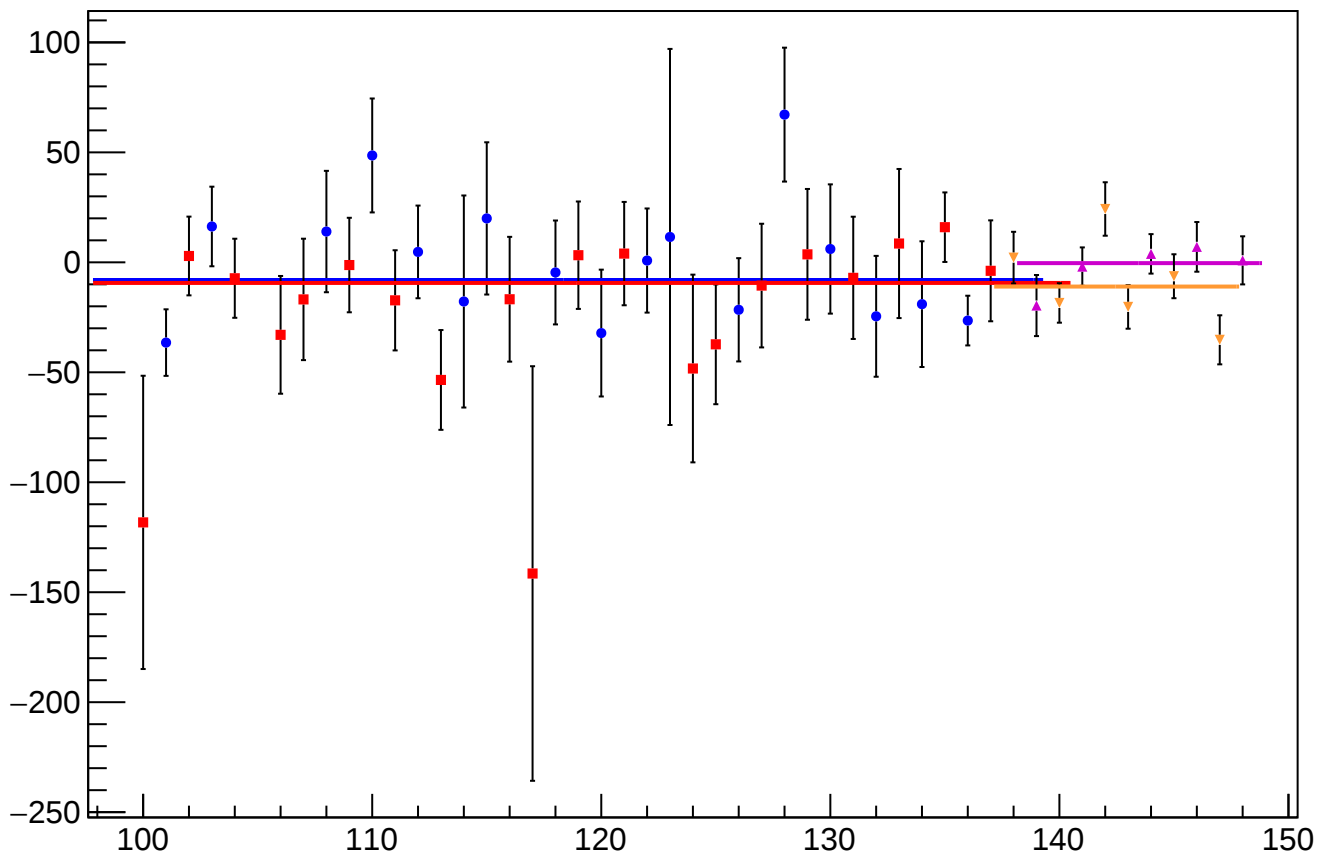
Right Out: 6862.551+/-1.865 χ^2 /NDF: 704099.3/19

Left In: 6456.111+/-2.316 χ^2 /NDF:127890.1/4

6642.470+/-1.453 χ^2 /NDF: 844110.1/22

6702.651+/-1.452 χ^2 /NDF: 850676.8/24

diff_bpm4acX_mean vs Slug



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

Left Out: -11.017 ± 4.278 $\chi^2/\text{NDF}: 16.2/5$

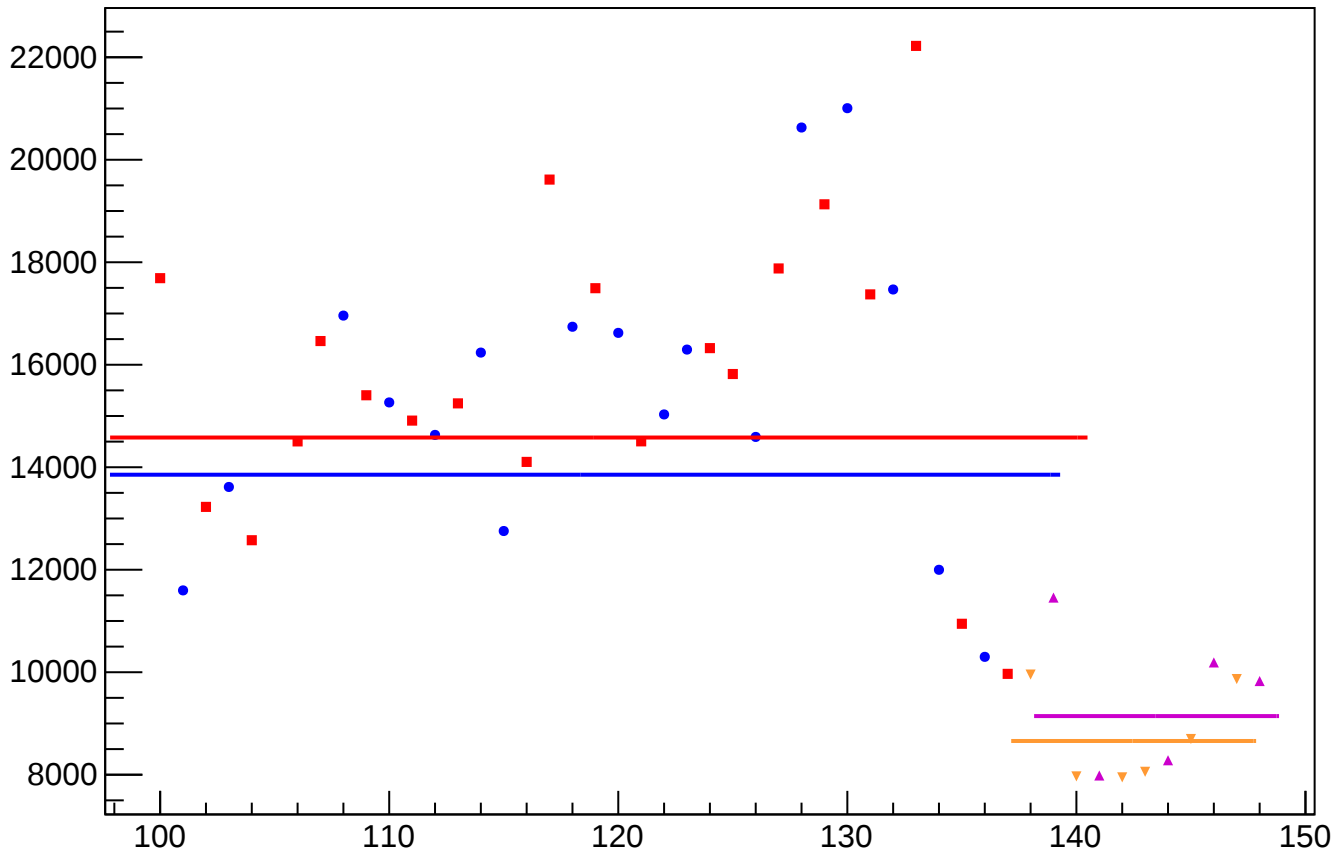
Right Out: -9.368 ± 5.556 $\chi^2/\text{NDF}: 15.7/19$

Left In: -0.363 ± 4.617 $\chi^2/\text{NDF}: 2.6/4$

-9.893 ± 3.376 $\chi^2/\text{NDF}: 38.9/22$

-4.041 ± 3.551 $\chi^2/\text{NDF}: 19.8/24$

diff_bpm4acX_rms vs Slug



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

Left Out: 8658.442+/-3.025 χ^2/NDF : 73867.4/5

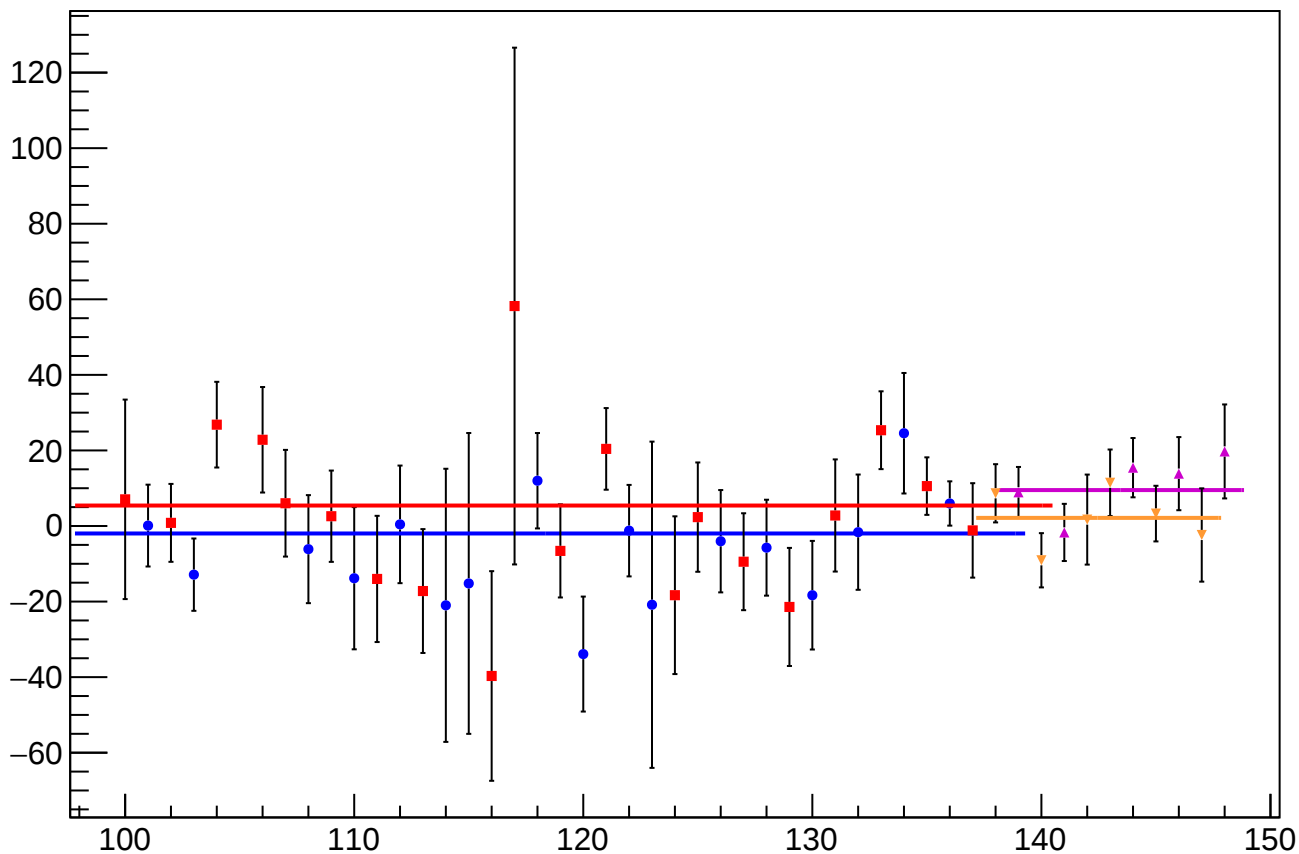
10618.125+/-2.387 χ^2/NDF : 1787540.4/22

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

11364.136+/-2.511 χ^2/NDF : 1746453.7/24

Left In: 9144.228+/-3.264 χ^2/NDF : 134156.6/4

diff_bpm4acY_mean vs Slug



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

Left Out: 2.148 ± 3.509 $\chi^2/\text{NDF}: 4.4/5$

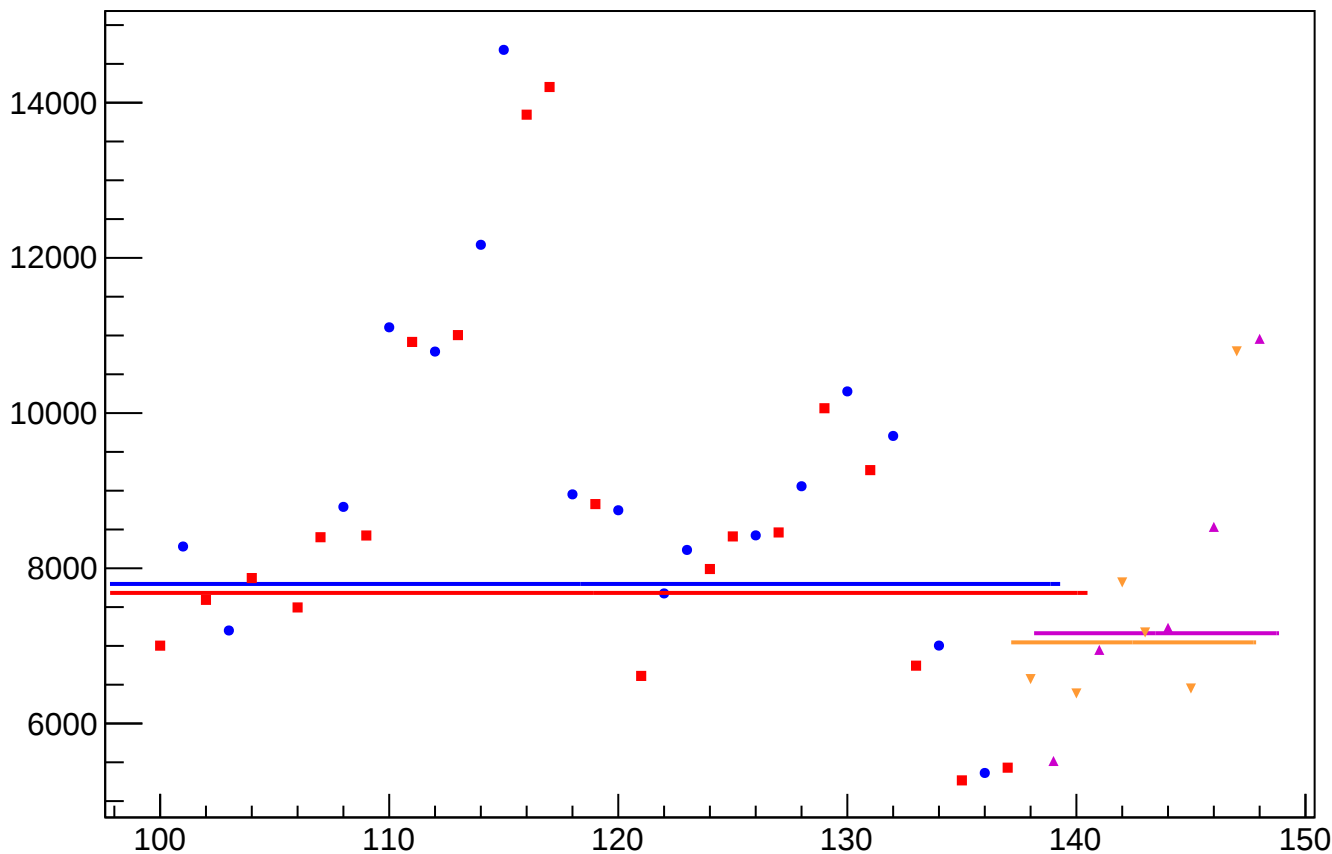
Right Out: 5.417 ± 2.956 $\chi^2/\text{NDF}: 24.9/19$

Left In: 9.508 ± 3.700 $\chi^2/\text{NDF}: 3.7/4$

-0.173 ± 2.321 $\chi^2/\text{NDF}: 19.3/22$

7.011 ± 2.309 $\chi^2/\text{NDF}: 29.3/24$

diff_bpm4acY_rms vs Slug



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

Left Out: 7045.368+/-2.482 χ^2/NDF : 230719.0/5

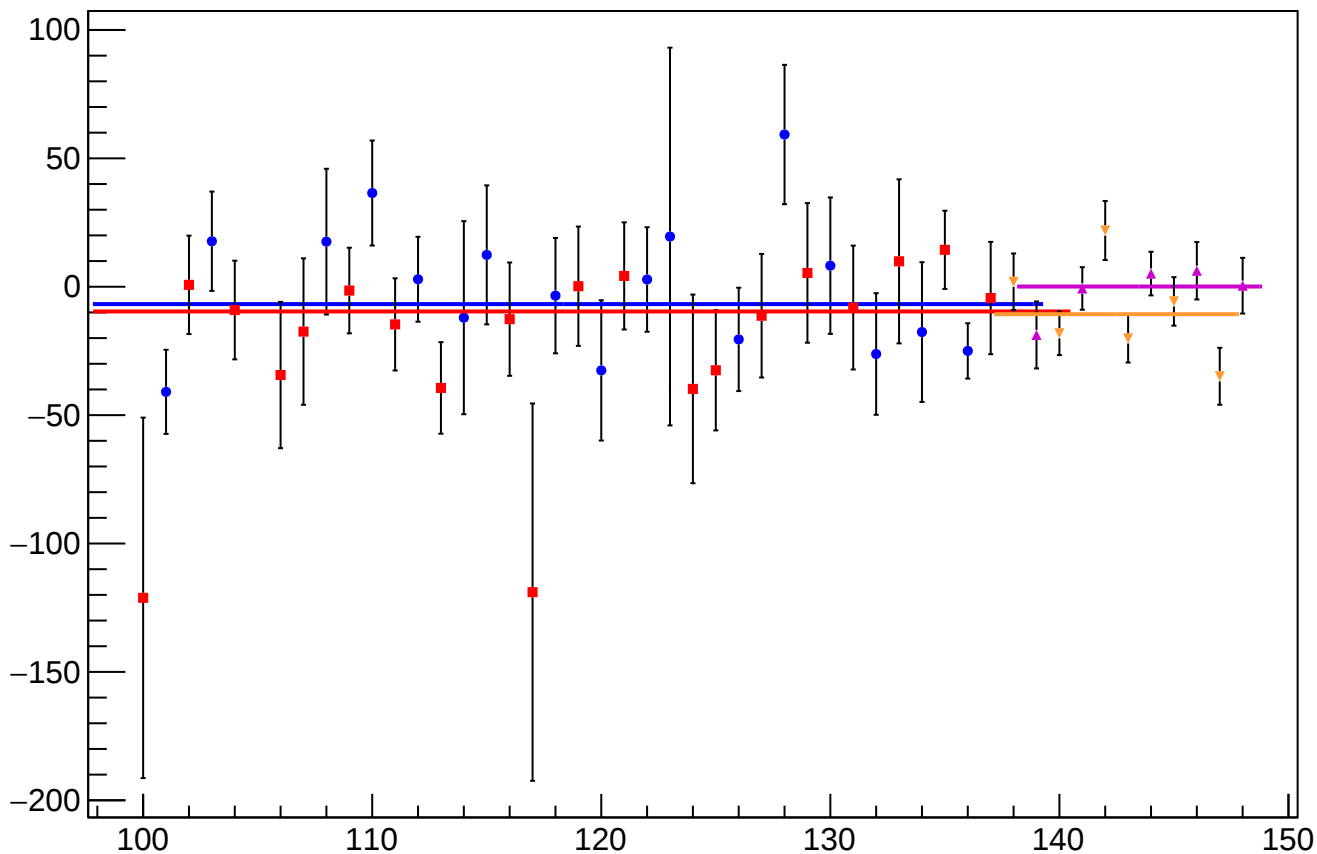
Right Out: 7682.786+/-2.090 χ^2/NDF : 690901.2/19

Left In: 7163.251+/-2.616 χ^2/NDF : 348347.5/4

7468.998+/-1.641 χ^2/NDF : 1018797.9/22

7480.384+/-1.633 χ^2/NDF : 1063321.4/24

diff_bpm4ecX_mean vs Slug



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

Left Out: -10.694 ± 4.073 χ^2/NDF : 16.1/5

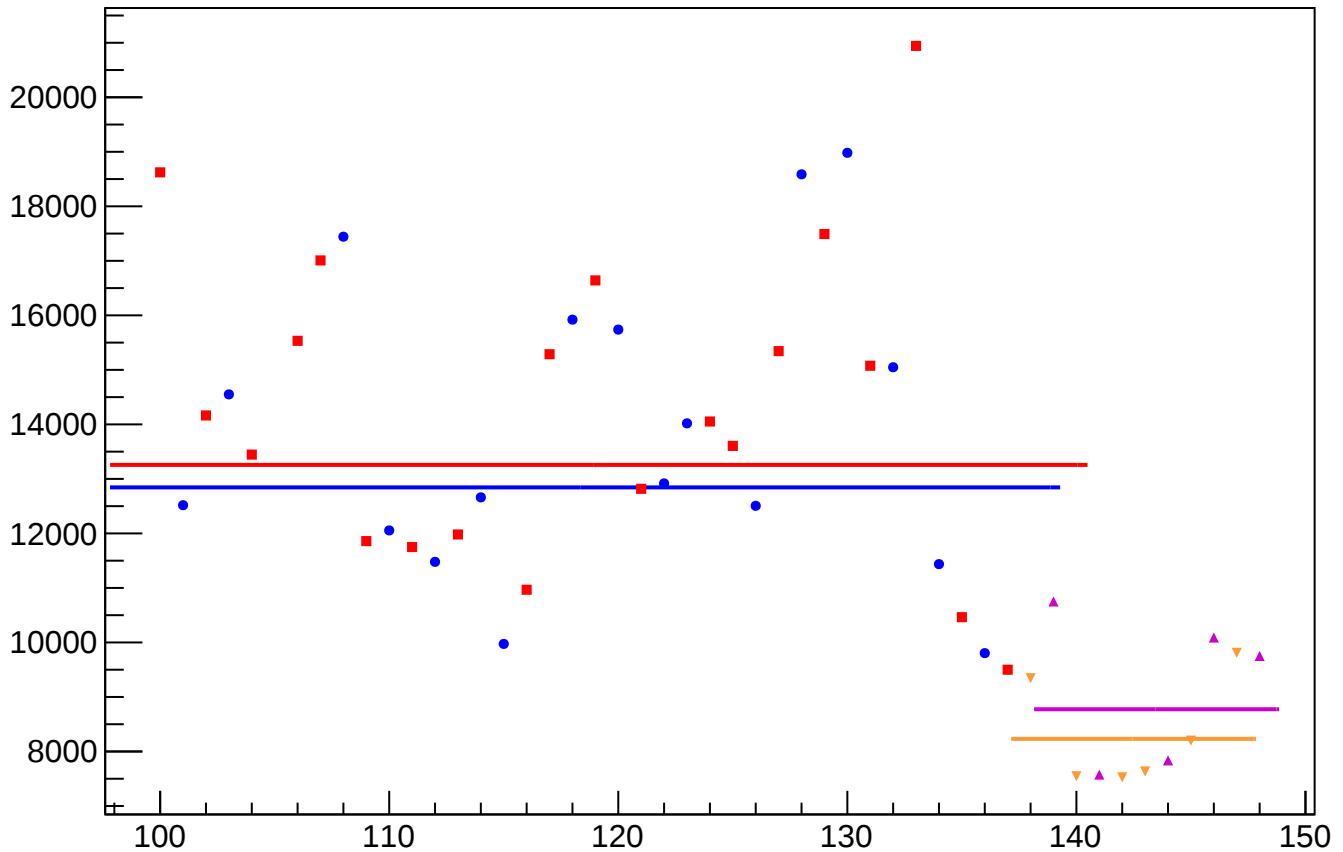
Right Out: -9.622 ± 5.058 χ^2/NDF : 14.5/19

Left In: 0.082 ± 4.436 χ^2/NDF : 2.8/4

-9.156 ± 3.179 χ^2/NDF : 40.2/22

-4.137 ± 3.335 χ^2/NDF : 19.3/24

diff_bpm4ecX_rms vs Slug



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

Left Out: 8231.619+/-2.880 χ^2/NDF : 89595.1/5

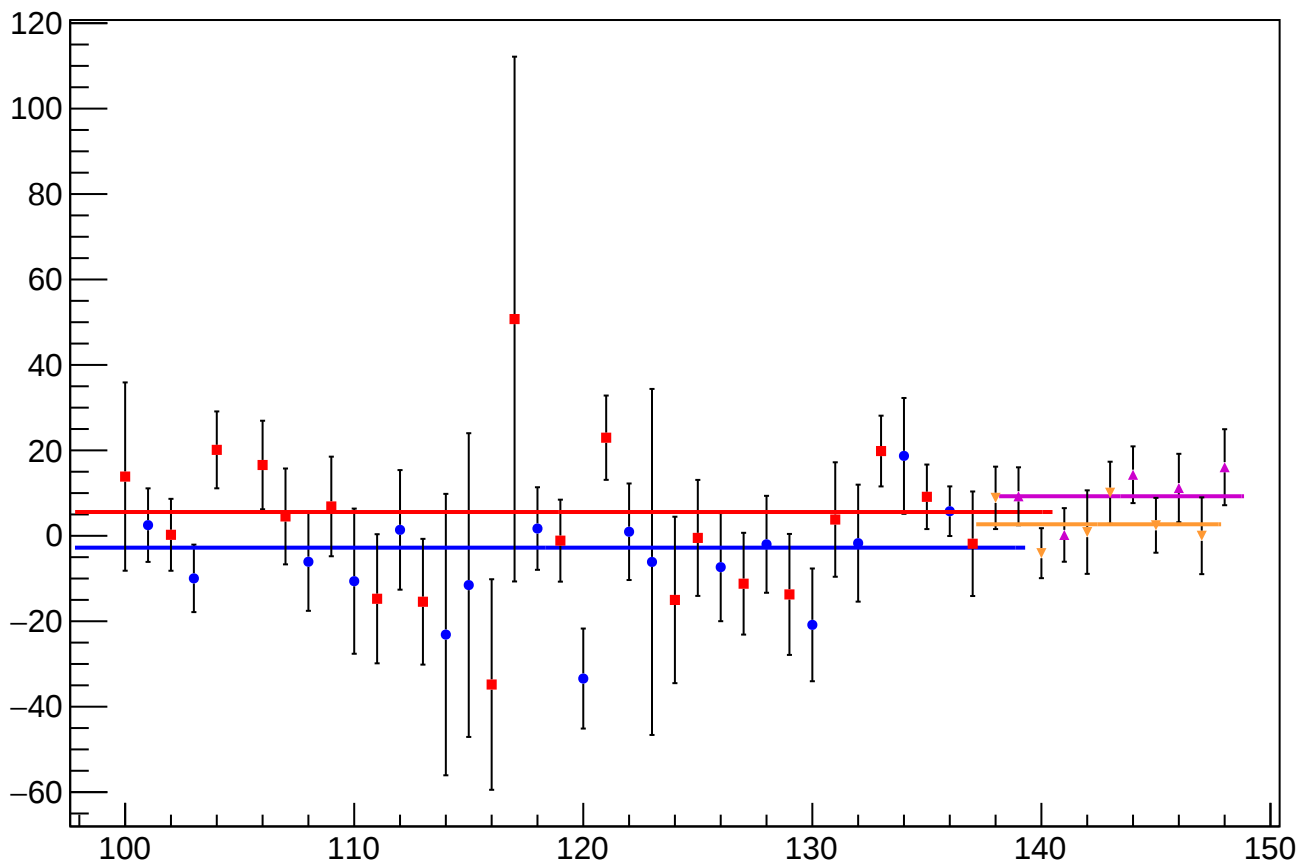
Right Out: 13256.926+/-3.577 χ^2/NDF : 487016.8/19

Left In: 8774.784+/-3.137 χ^2/NDF : 156176.3/4

10034.375+/-2.248 χ^2/NDF : 1639524.9/22

10723.380+/-2.358 χ^2/NDF : 1530781.3/24

diff_bpm4ecY_mean vs Slug



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

Left Out: 2.699 ± 2.961 χ^2/NDF : 3.2/5

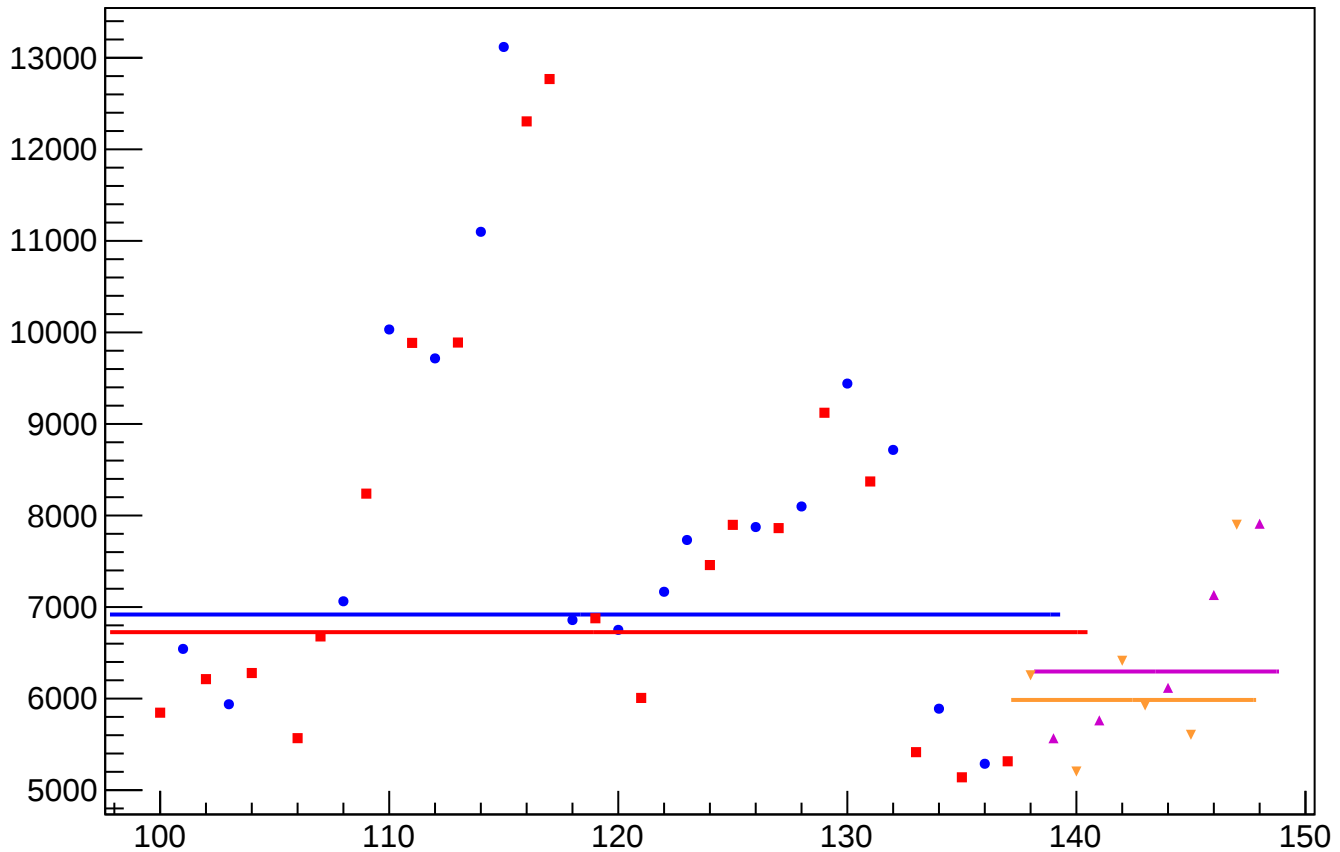
Right Out: 5.571 ± 2.585 χ^2/NDF : 23.7/19

Left In: 9.261 ± 3.193 χ^2/NDF : 3.3/4

-0.258 ± 2.008 χ^2/NDF : 21.0/22

7.032 ± 2.009 χ^2/NDF : 27.8/24

diff_bpm4ecY_rms vs Slug



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

Left Out: 5985.228+/-2.094 χ^2/NDF :140232.6/5

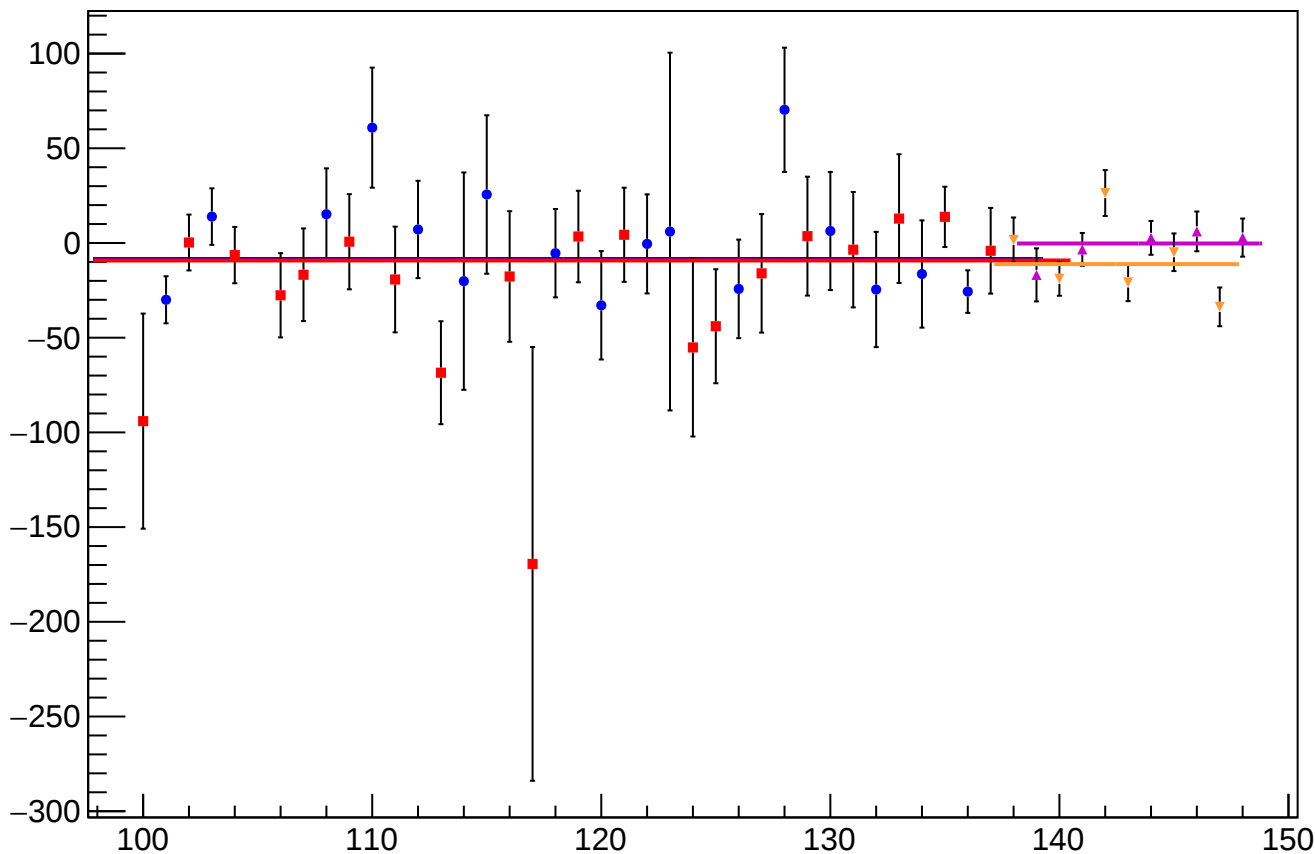
Right Out: 6725.745+/-1.828 χ^2/NDF : 675399.9/19

Left In: 6295.861+/-2.258 χ^2/NDF :126711.7/4

6489.418+/-1.420 χ^2/NDF : 834594.7/22

6555.551+/-1.421 χ^2/NDF : 824007.1/24

diff_bpm1X_mean vs Slug



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

-10.135 ± 3.319 χ^2/NDF : 39.9/22

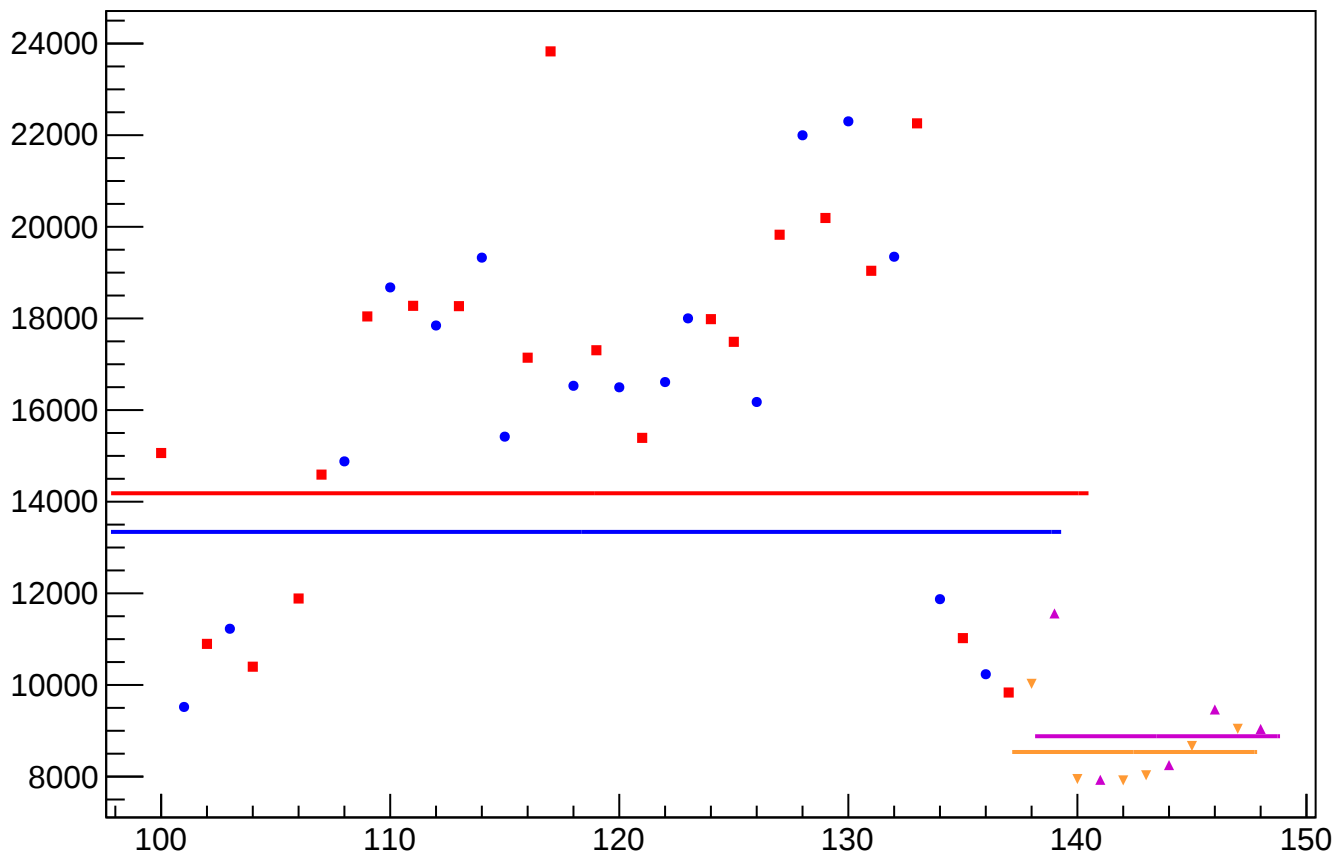
Left Out: -11.164 ± 4.212 χ^2/NDF : 17.7/5

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

-3.837 ± 3.473 χ^2/NDF : 19.9/24

Left In: -0.267 ± 4.479 χ^2/NDF : 2.1/4

diff_bpm1X_rms vs Slug



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

Left Out: 8537.140+/-2.978 χ^2/NDF : 56106.4/5

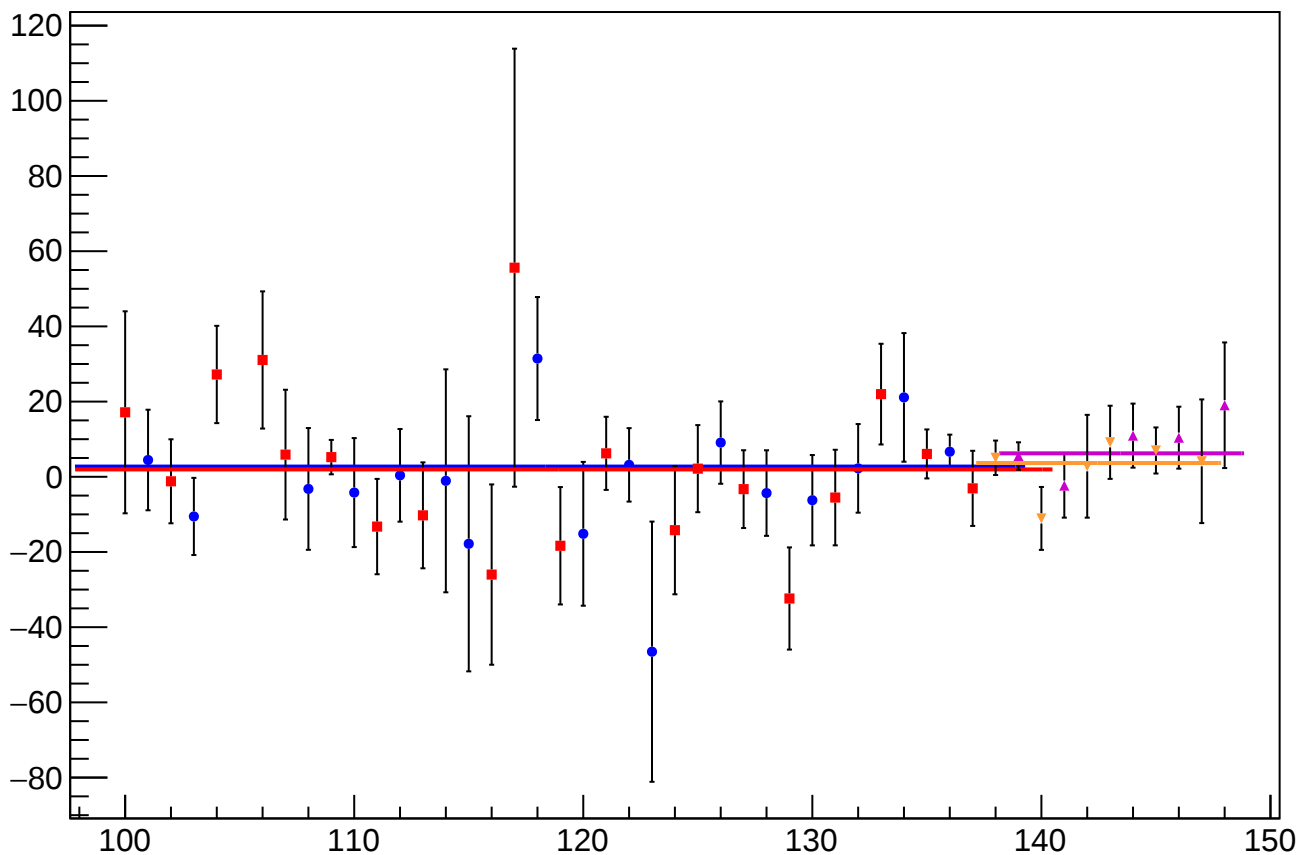
Right Out: 14184.146+/-3.891 χ^2/NDF : 946010.4/19

Left In: 8881.039+/-3.167 χ^2/NDF : 113796.6/4

10357.106+/-2.347 χ^2/NDF : 2086372.1/22

10994.600+/-2.456 χ^2/NDF : 2177307.4/24

diff_bpm1Y_mean vs Slug



Right In: 2.717 $\pm$ 2.752 χ^2 /NDF: 11.6/16

Left Out: 3.662 $\pm$ 3.040 χ^2 /NDF: 3.8/5

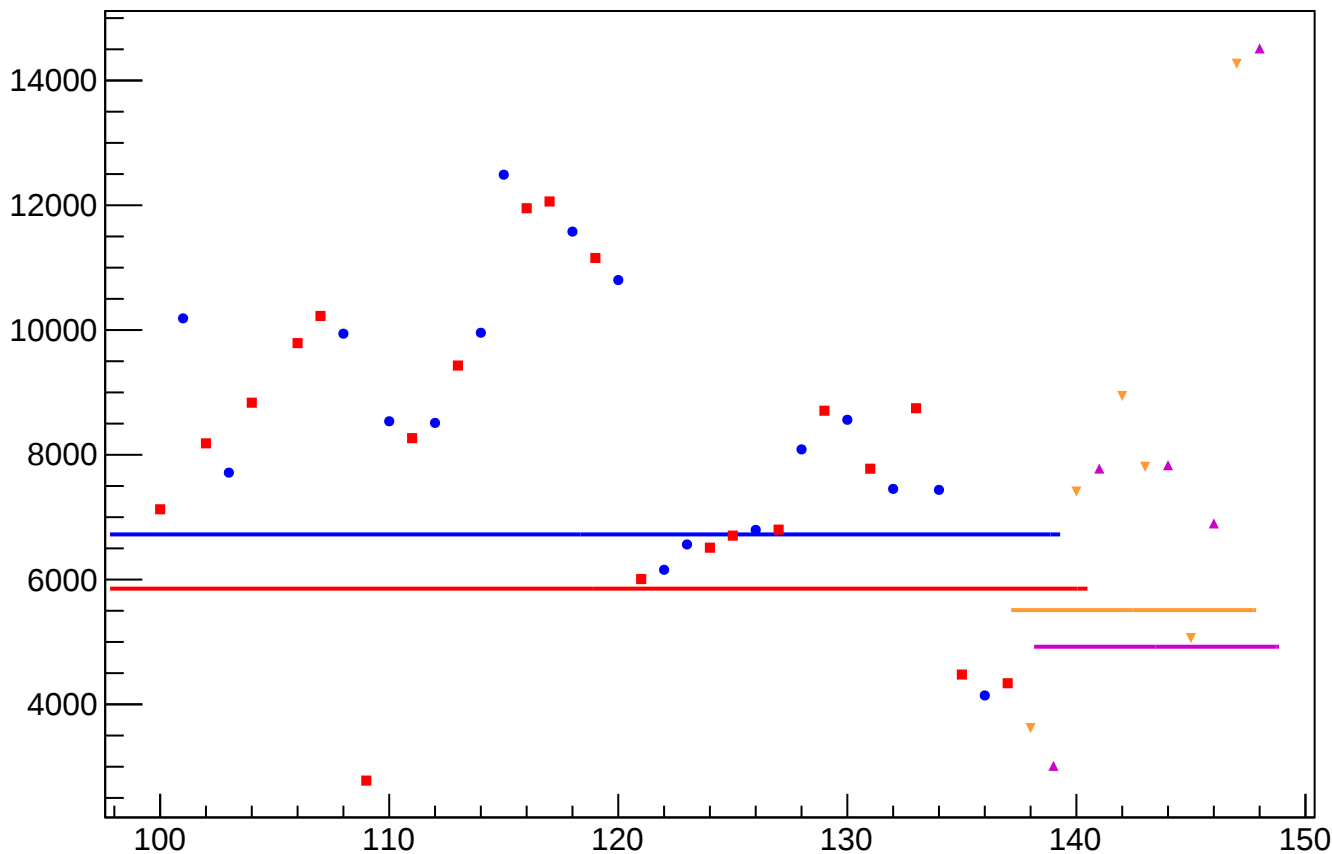
Right Out: 1.955 $\pm$ 2.437 χ^2 /NDF: 24.4/19

Left In: 6.239 $\pm$ 2.878 χ^2 /NDF: 2.2/4

3.143 $\pm$ 2.040 χ^2 /NDF: 15.5/22

3.744 $\pm$ 1.860 χ^2 /NDF: 27.9/24

diff_bpm1Y_rms vs Slug



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

Left Out: 5510.841+/-2.150 χ^2/NDF : 1259367.1/5

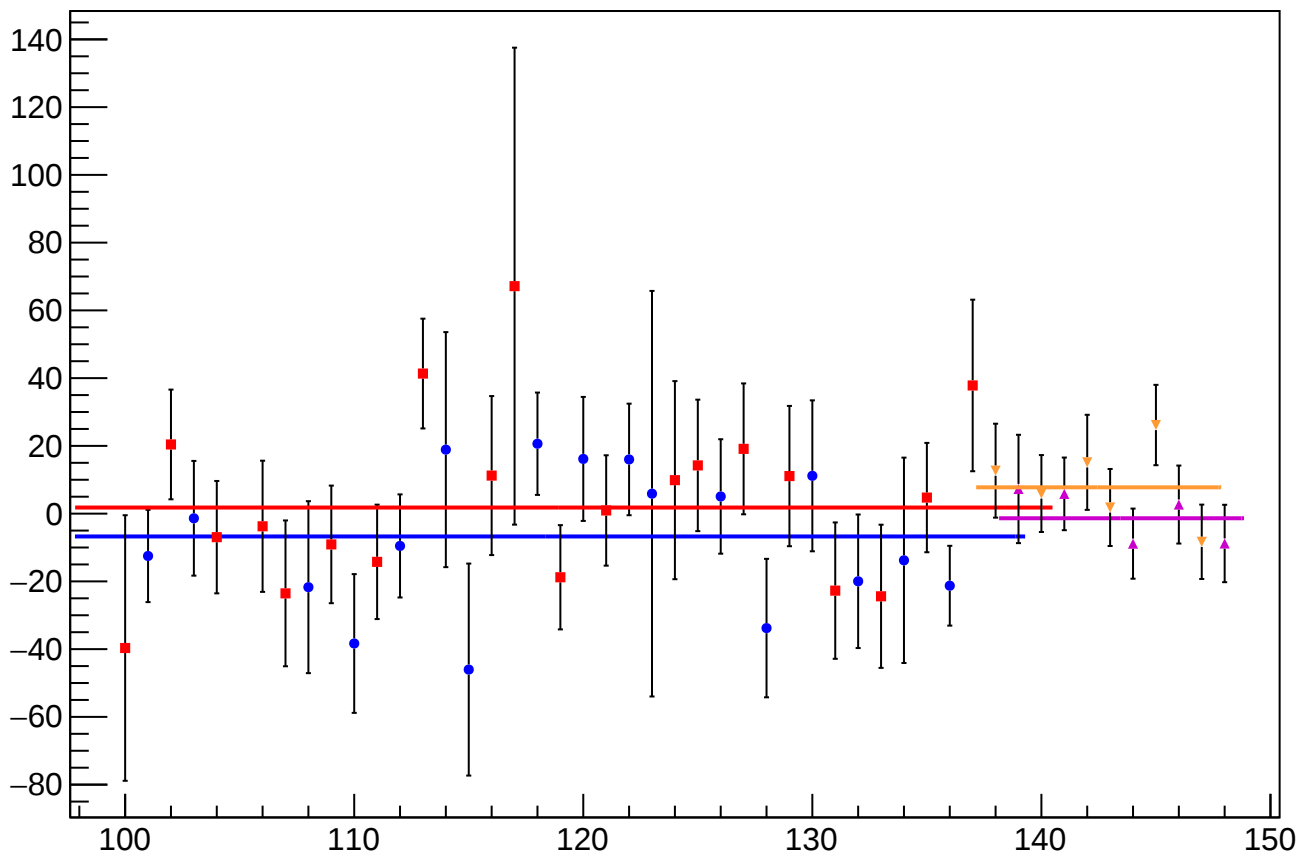
Right Out: 5854.708+/-1.723 χ^2/NDF : 2299964.9/19

Left In: 4923.763+/-2.035 χ^2/NDF : 1777925.4/4

6177.516+/-1.443 χ^2/NDF : 2826448.0/22

5466.028+/-1.315 χ^2/NDF : 4199766.5/24

diff_bpm11X_mean vs Slug



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

Left Out: 7.769+/-4.928 χ^2 /NDF: 5.3/5

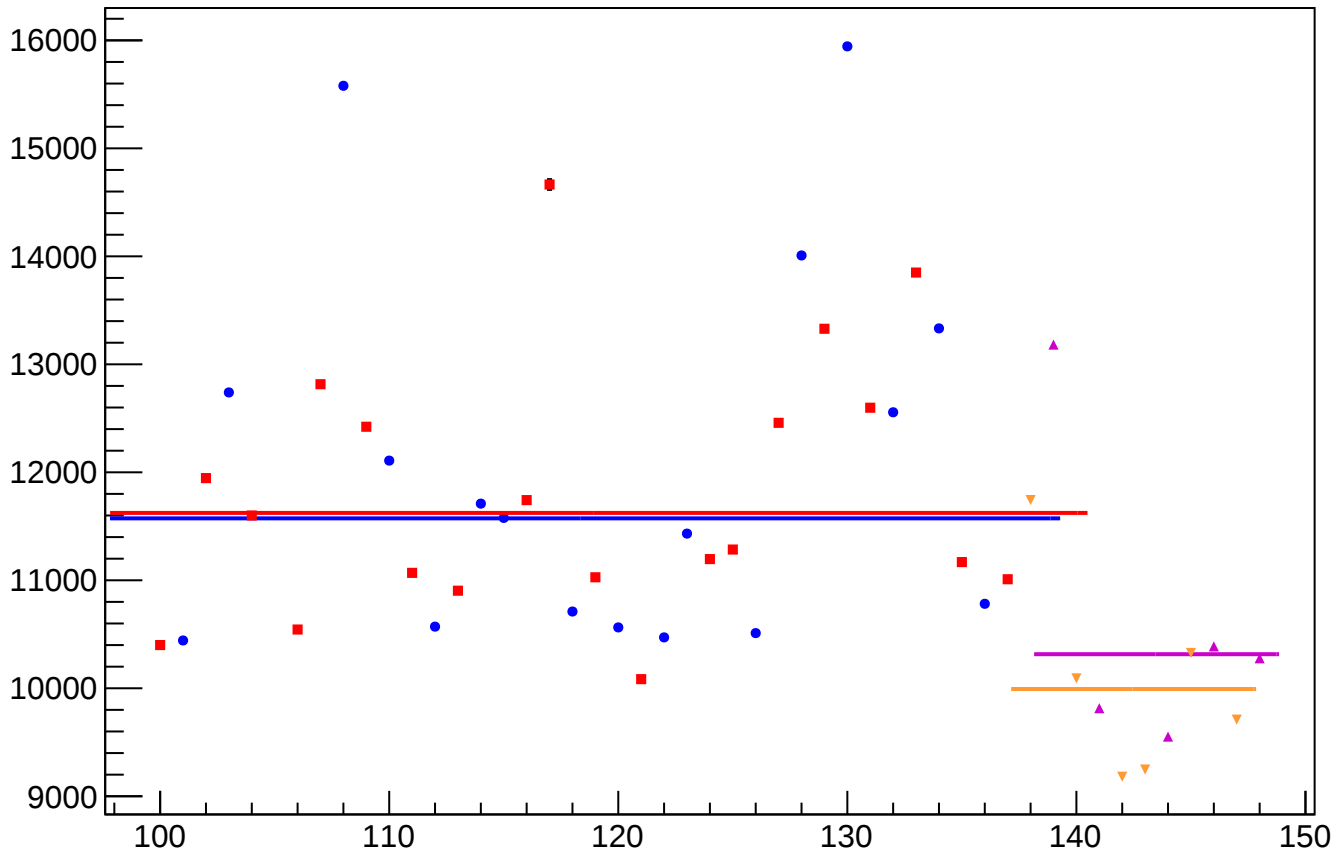
Right Out: 1.802+/-4.364 χ^2 /NDF: 20.8/19

Left In: -1.365+/-5.188 χ^2 /NDF: 1.8/4

-0.119+/-3.328 χ^2 /NDF: 26.8/22

0.490+/-3.340 χ^2 /NDF: 22.9/24

diff_bpm11X_rms vs Slug



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

Left Out: 9993.079 ± 3.484 χ^2/NDF : 50237.5/5

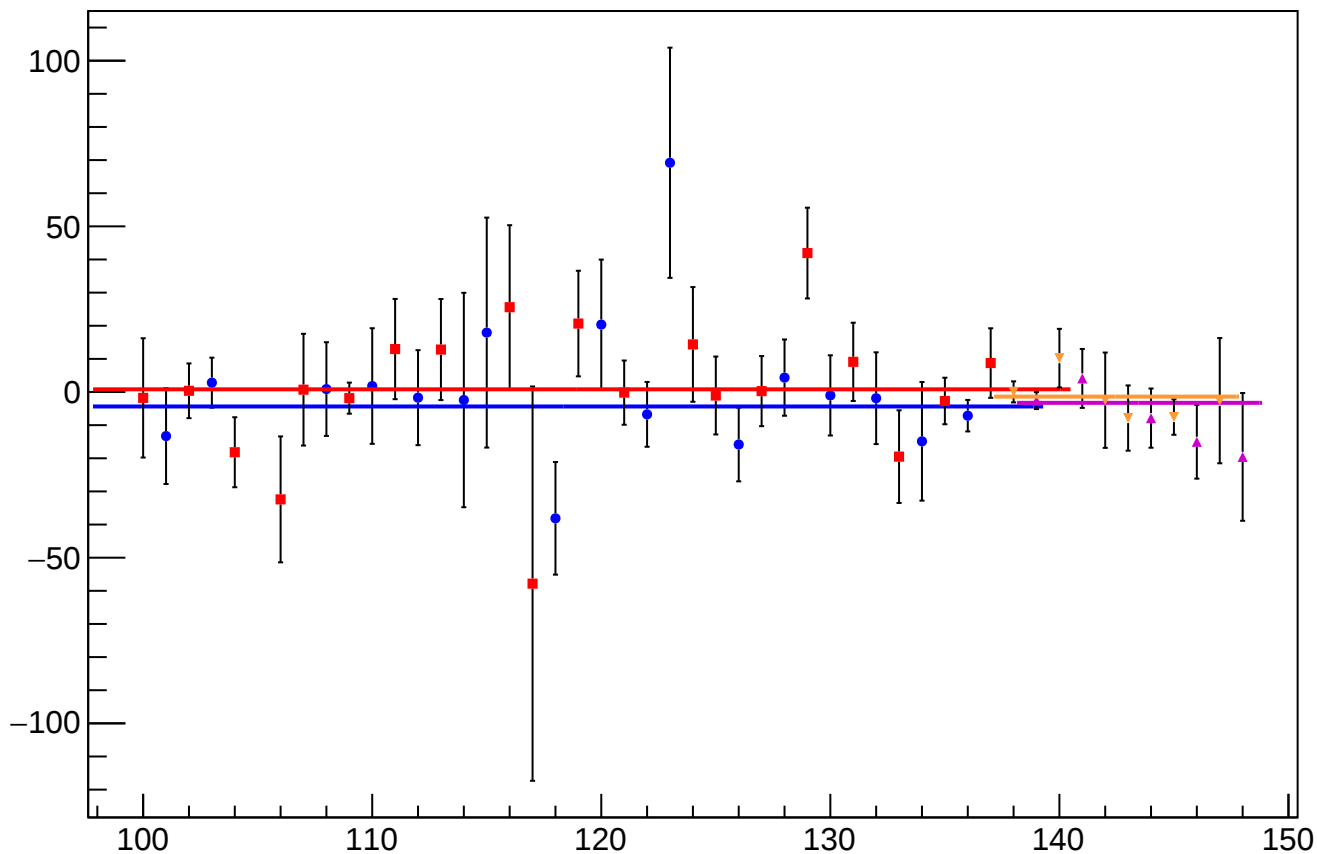
Right Out: 11623.951 ± 3.086 χ^2/NDF : 98055.0/19

Left In: 10315.501 ± 3.669 χ^2/NDF : 79609.0/4

10852.566 ± 2.353 χ^2/NDF : 400858.6/22

11081.789 ± 2.361 χ^2/NDF : 252164.0/24

diff_bpm11Y_mean vs Slug



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

Left Out: -1.389 ± 2.464 χ^2/NDF : 3.7/5

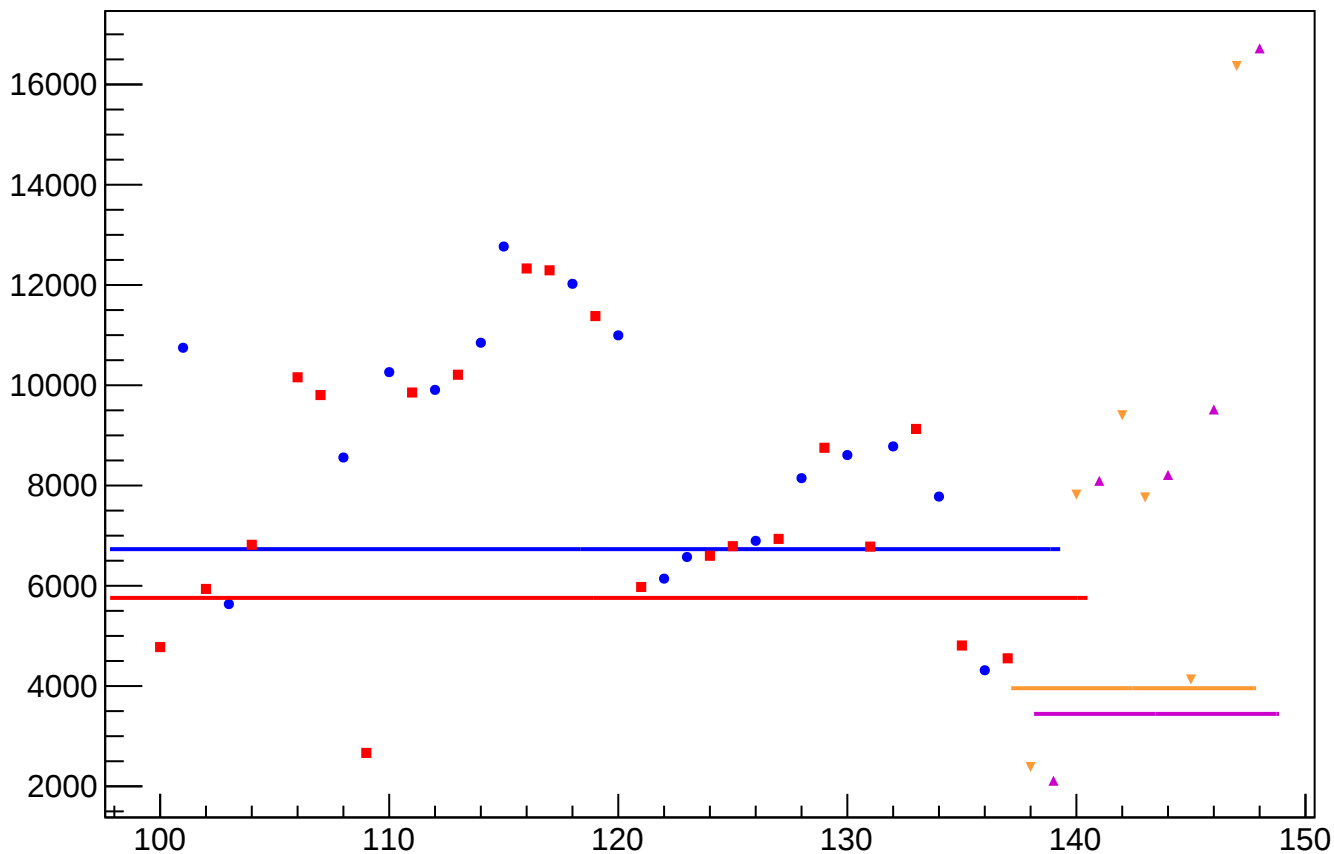
Right Out: 0.816 ± 2.424 χ^2/NDF : 24.5/19

Left In: -3.264 ± 2.304 χ^2/NDF : 2.9/4

-2.699 ± 1.843 χ^2/NDF : 18.8/22

-1.327 ± 1.670 χ^2/NDF : 28.9/24

diff_bpm11Y_rms vs Slug



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

Left Out: 3956.927+/-1.743 χ^2/NDF :2320340.8/5

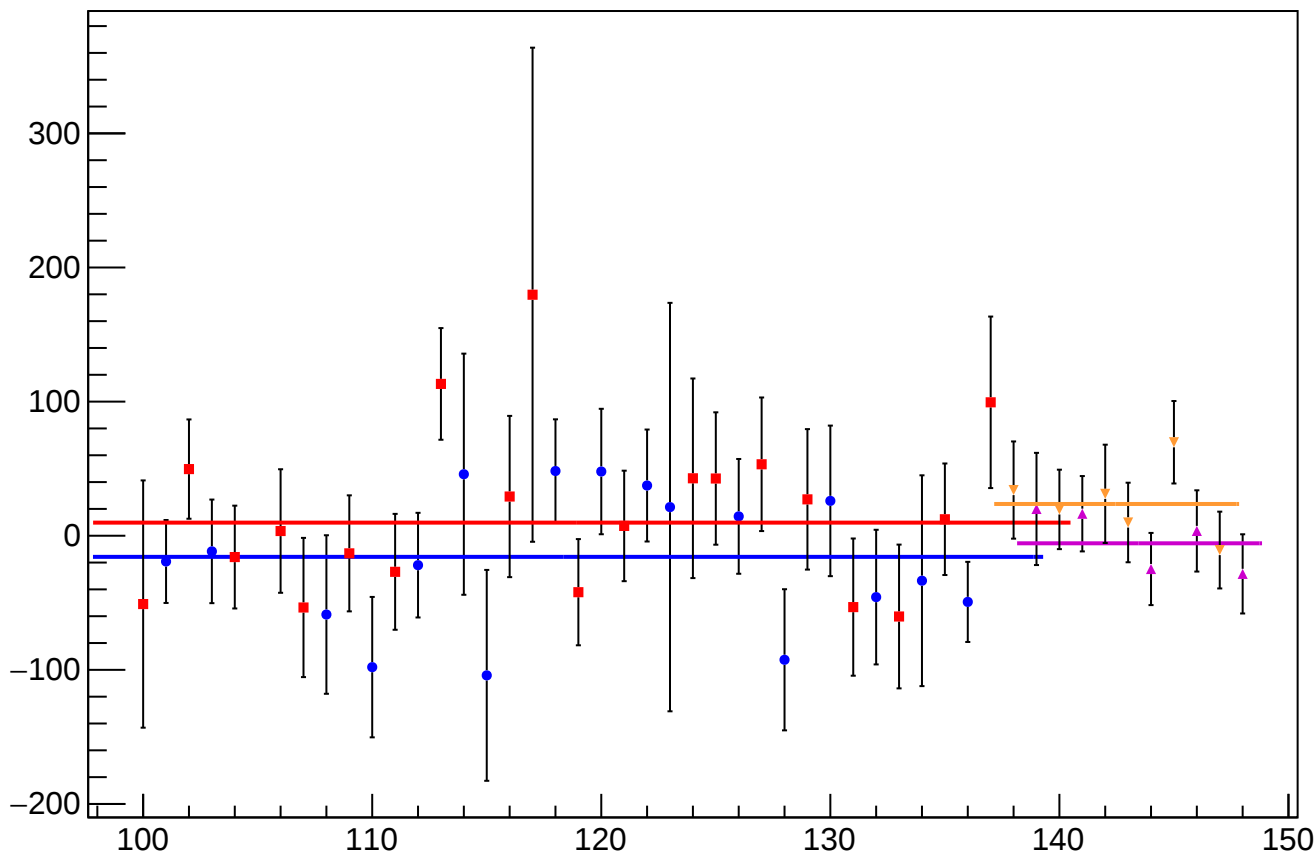
Right Out: 5758.506+/-1.714 χ^2/NDF : 2186395.0/19

Left In: 3444.834+/-1.629 χ^2/NDF :3201307.4/4

5179.362+/-1.303 χ^2/NDF : 4882175.0/22

4542.896+/-1.181 χ^2/NDF : 6344971.2/24

diff_bpm12X_mean vs Slug



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

Left Out: 23.679 ± 12.846 $\chi^2/\text{NDF}: 4.0/5$

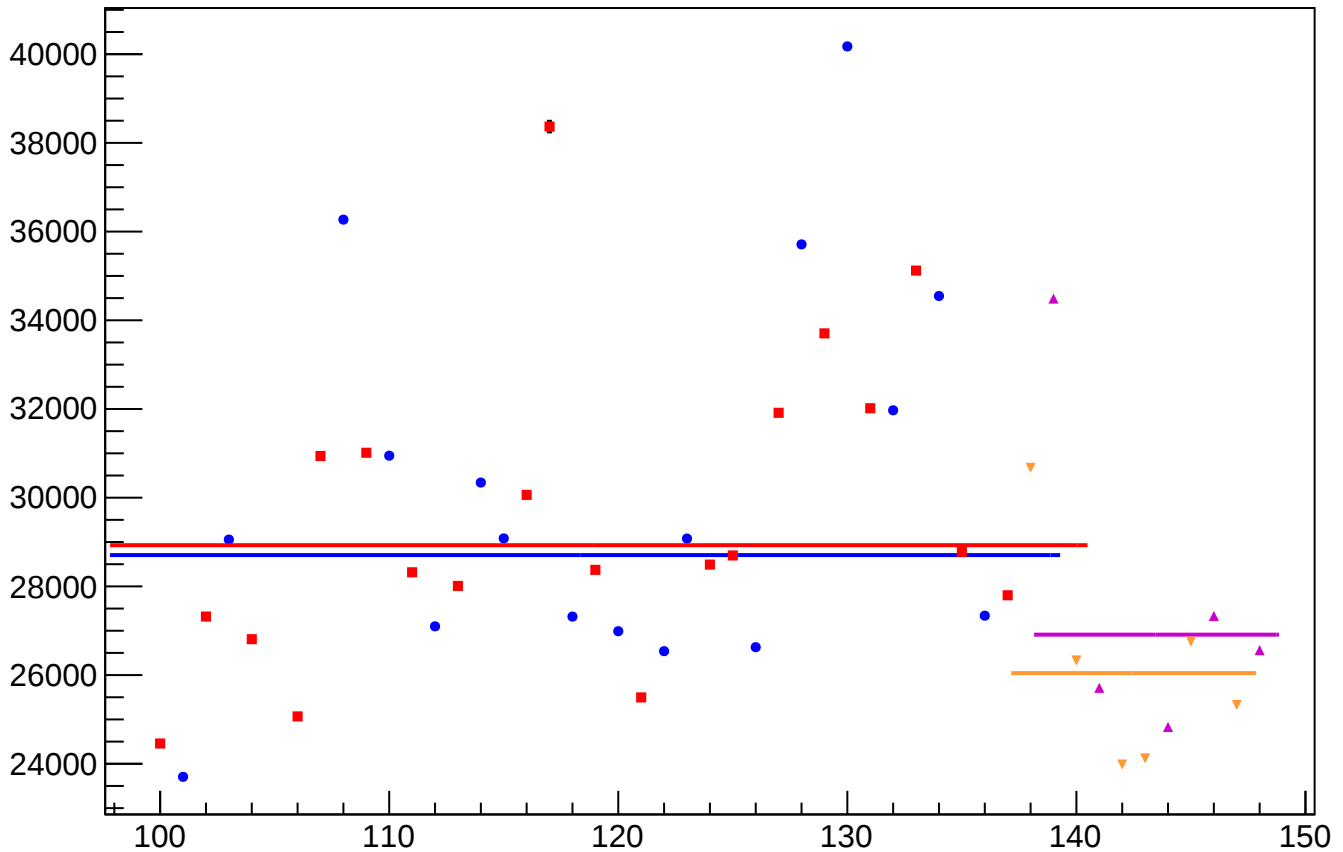
Right Out: 9.773 ± 10.870 $\chi^2/\text{NDF}: 20.1/19$

Left In: -5.642 ± 13.538 $\chi^2/\text{NDF}: 2.2/4$

1.291 ± 8.445 $\chi^2/\text{NDF}: 25.3/22$

3.731 ± 8.476 $\chi^2/\text{NDF}: 23.1/24$

diff_bpm12X_rms vs Slug



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

Left Out: 26044.561+/-9.083 χ^2/NDF : 49877.9/5

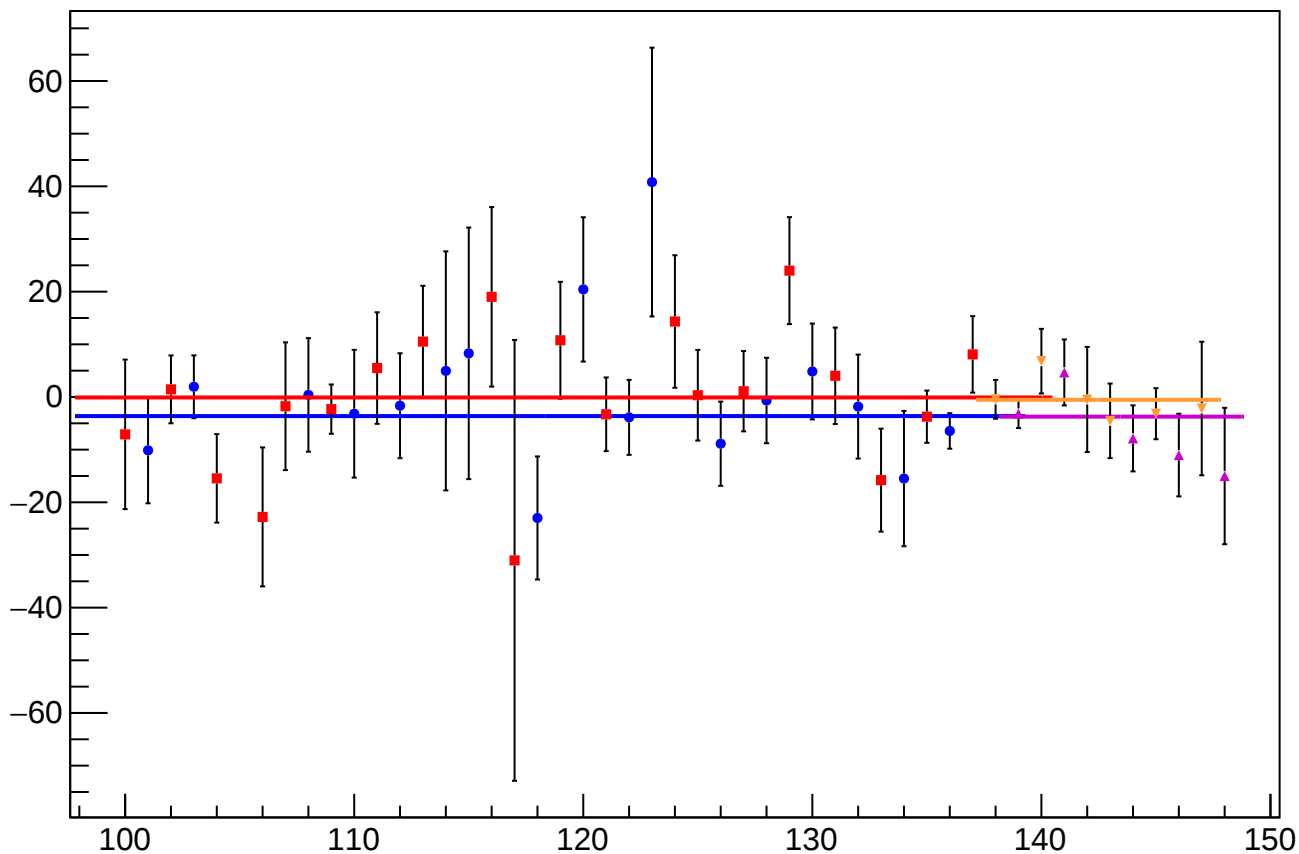
27555.472+/-5.972 χ^2/NDF : 349600.2/22

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

28137.820+/-5.993 χ^2/NDF : 225393.7/24

Left In: 26911.394+/-9.573 χ^2/NDF : 81915.2/4

diff_bpm12Y_mean vs Slug



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

-2.332 ± 1.530 χ^2/NDF : 16.8/22

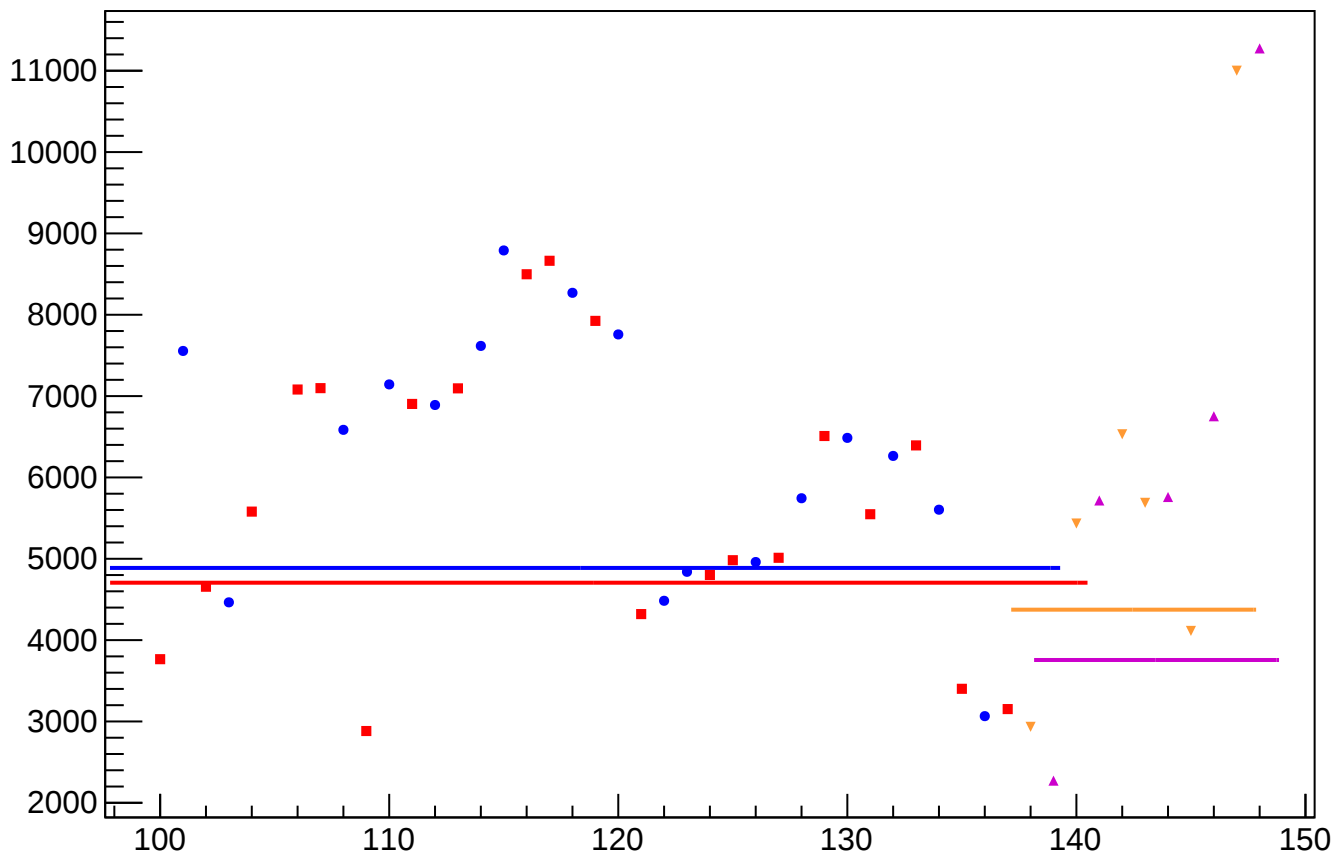
Left Out: -0.536 ± 2.364 χ^2/NDF : 2.1/5

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

-1.624 ± 1.436 χ^2/NDF : 28.1/24

Left In: -3.730 ± 2.212 χ^2/NDF : 3.9/4

diff_bpm12Y_rms vs Slug



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

Left Out: 4374.364 ± 1.672 χ^2/NDF : 1079357.0/5

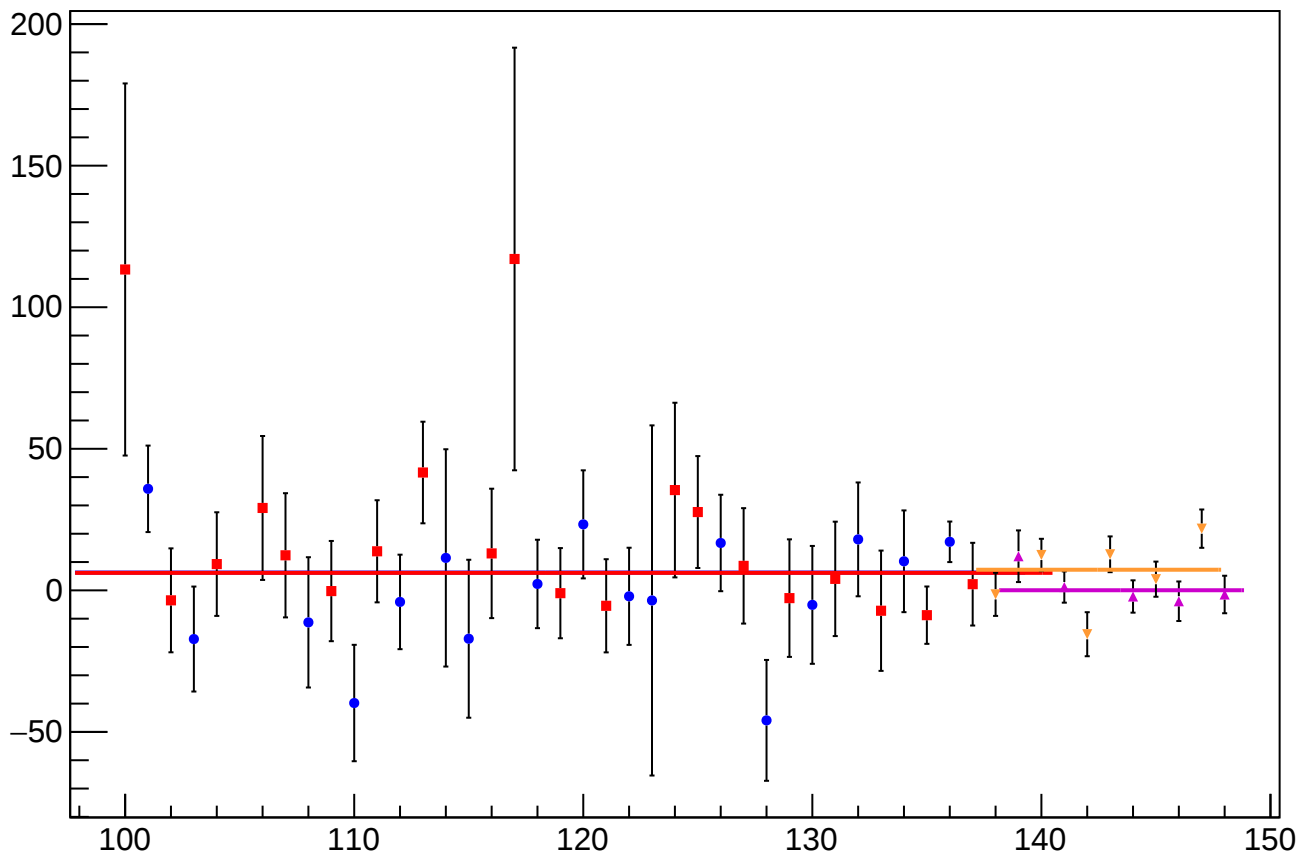
Right Out: 4705.797 ± 1.335 χ^2/NDF : 1331043.3/19

Left In: 3755.685 ± 1.564 χ^2/NDF : 1943257.8/4

4672.700 ± 1.082 χ^2/NDF : 2543440.6/22

4305.431 ± 1.016 χ^2/NDF : 3487725.5/24

diff_bpm16X_mean vs Slug



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

Left Out: 7.283 ± 2.699 $\chi^2/\text{NDF}: 16.3/5$

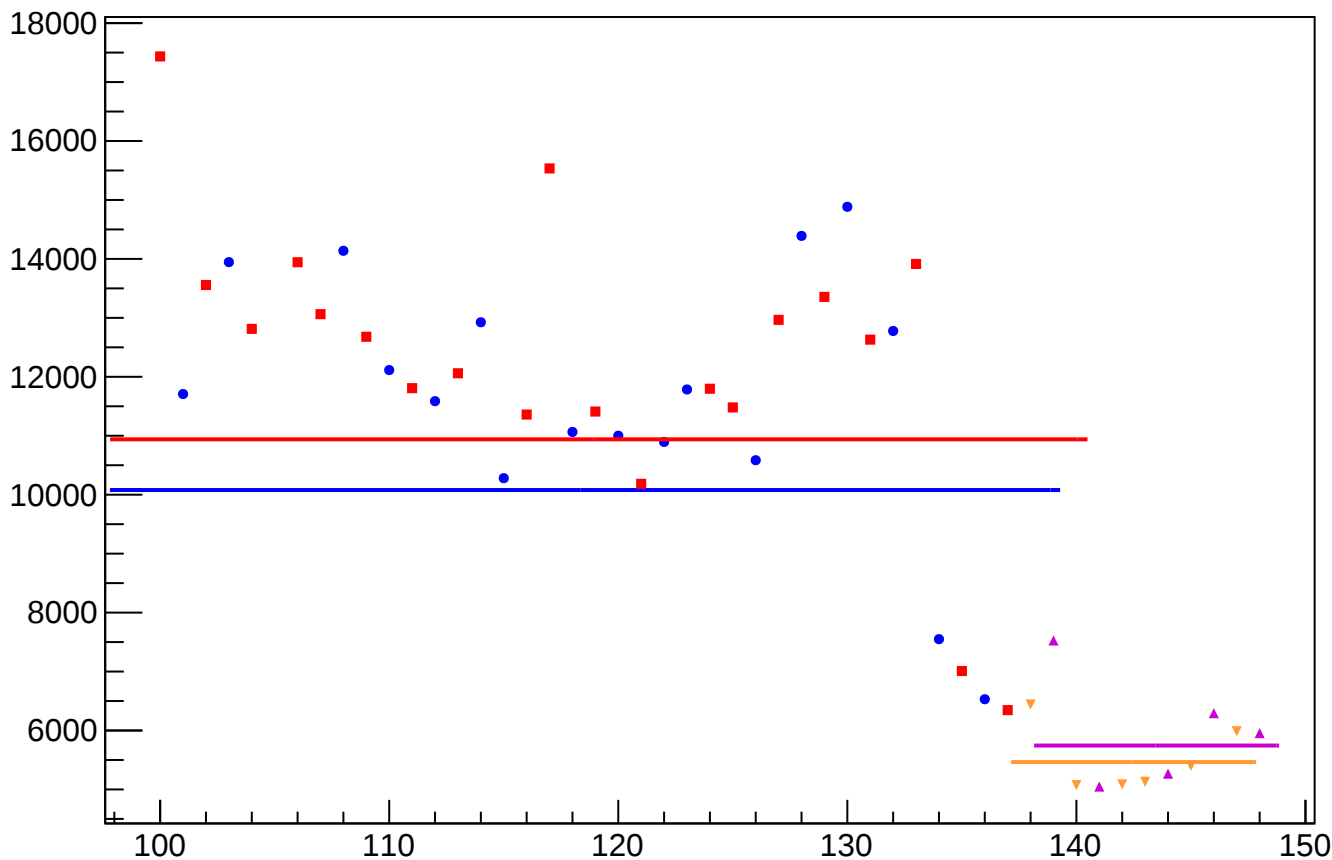
Right Out: 6.182 ± 4.212 $\chi^2/\text{NDF}: 16.0/19$

Left In: 0.040 ± 2.901 $\chi^2/\text{NDF}: 2.3/4$

6.977 ± 2.249 $\chi^2/\text{NDF}: 38.9/22$

2.016 ± 2.389 $\chi^2/\text{NDF}: 19.7/24$

diff_bpm16X_rms vs Slug



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

Left Out: 5464.178+/-1.909 χ^2/NDF : 64781.7/5

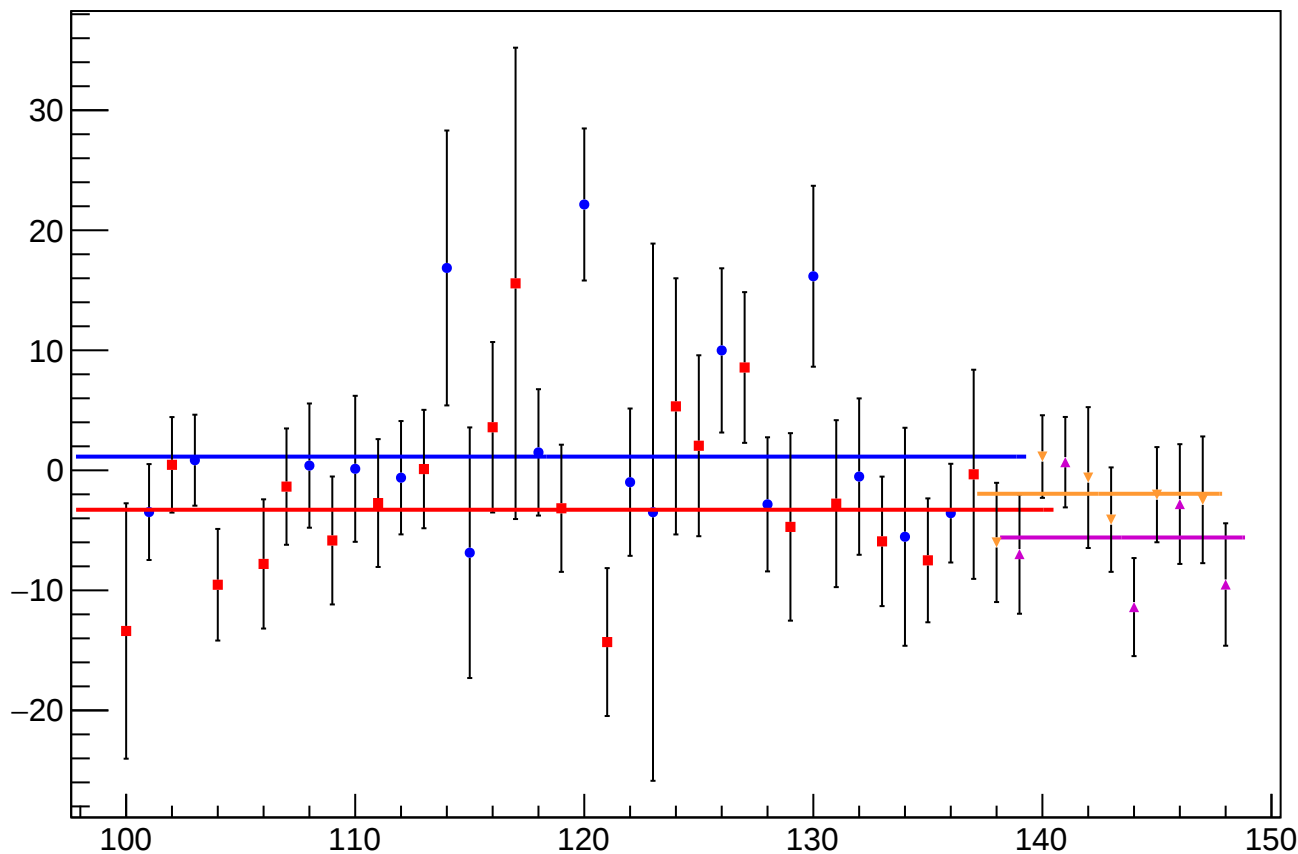
Right Out: 10939.227+/-2.979 χ^2/NDF : 776055.3/19

Left In: 5744.732+/-2.052 χ^2/NDF : 136418.5/4

6876.986+/-1.590 χ^2/NDF : 2849154.4/22

7416.072+/-1.690 χ^2/NDF : 2975259.4/24

diff_bpm16Y_mean vs Slug



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

Left Out: -1.953 ± 1.807 χ^2/NDF : 1.8/5

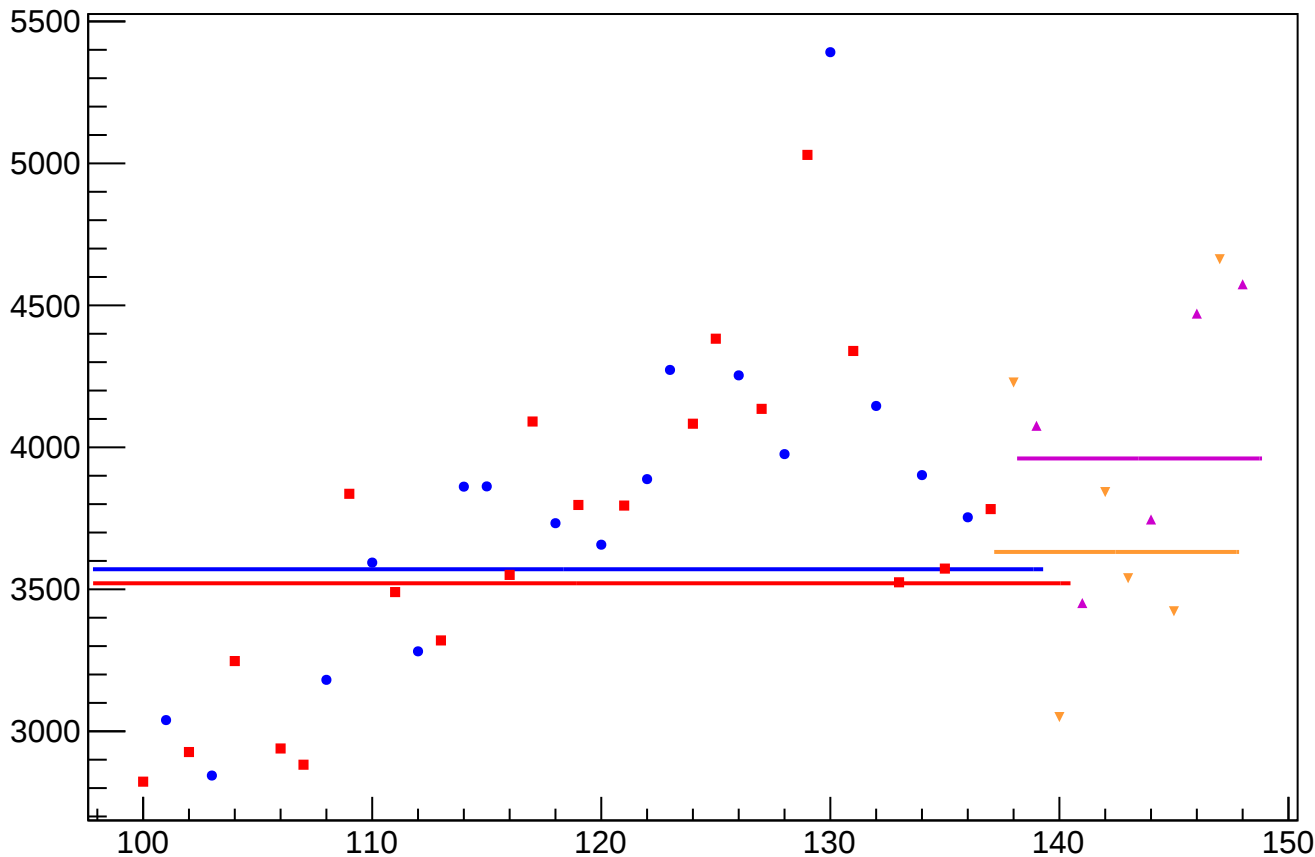
Right Out: -3.284 ± 1.330 χ^2/NDF : 16.0/19

Left In: -5.595 ± 2.002 χ^2/NDF : 5.8/4

-0.014 ± 1.104 χ^2/NDF : 26.9/22

-3.992 ± 1.108 χ^2/NDF : 22.7/24

diff_bpm16Y_rms vs Slug



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

Left Out: 3631.651 $\pm$ 1.278 χ^2 /NDF:171282.0/5

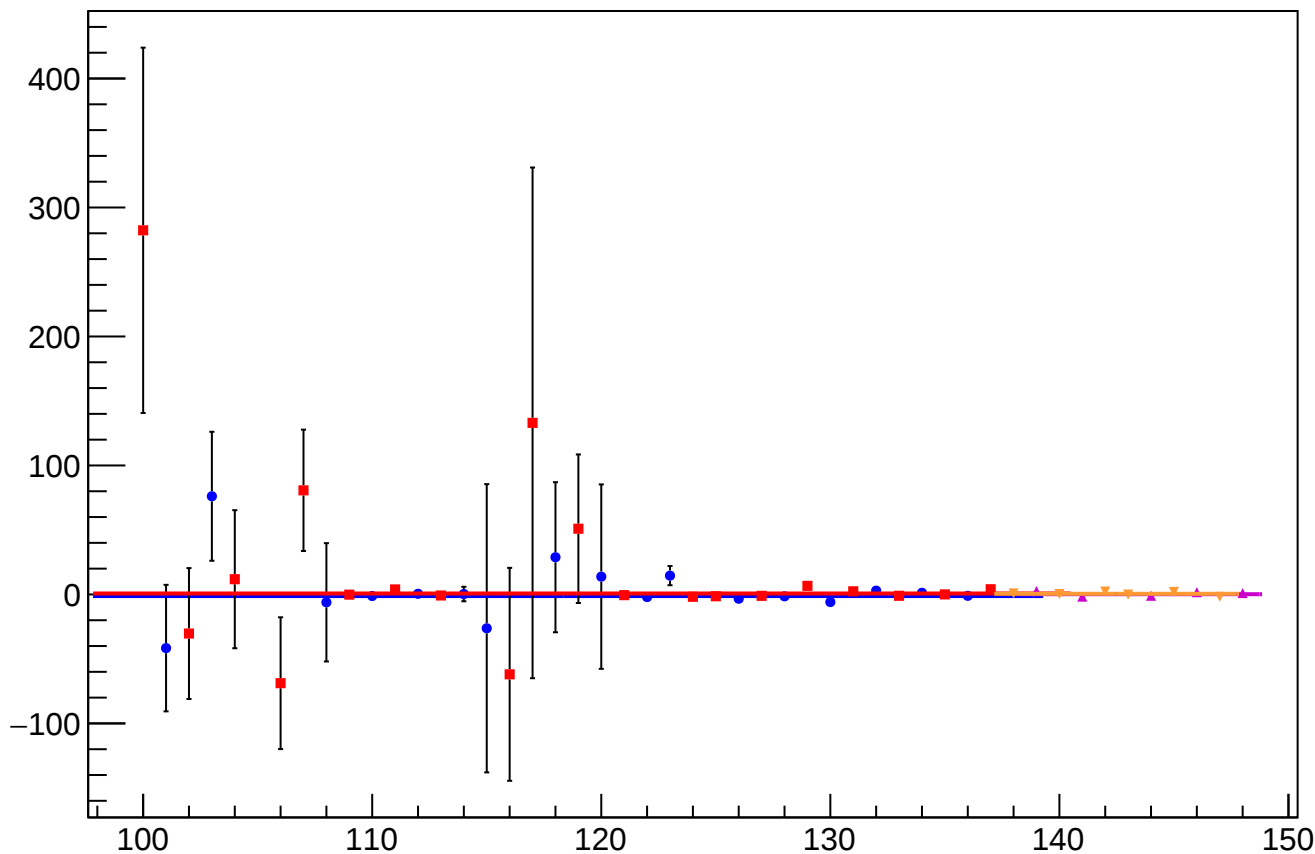
Right Out: 3521.247 $\pm$ 0.941 χ^2 /NDF: 294919.2/19

Left In: 3960.826 $\pm$ 1.416 χ^2 /NDF:92996.5/4

3593.473 $\pm$ 0.781 χ^2 /NDF: 482275.4/22

3655.861 $\pm$ 0.783 χ^2 /NDF: 454810.9/24

diff_bpm1p02bX_mean vs Slug



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

Left Out: 0.492 ± 0.513 χ^2/NDF : 6.4/5

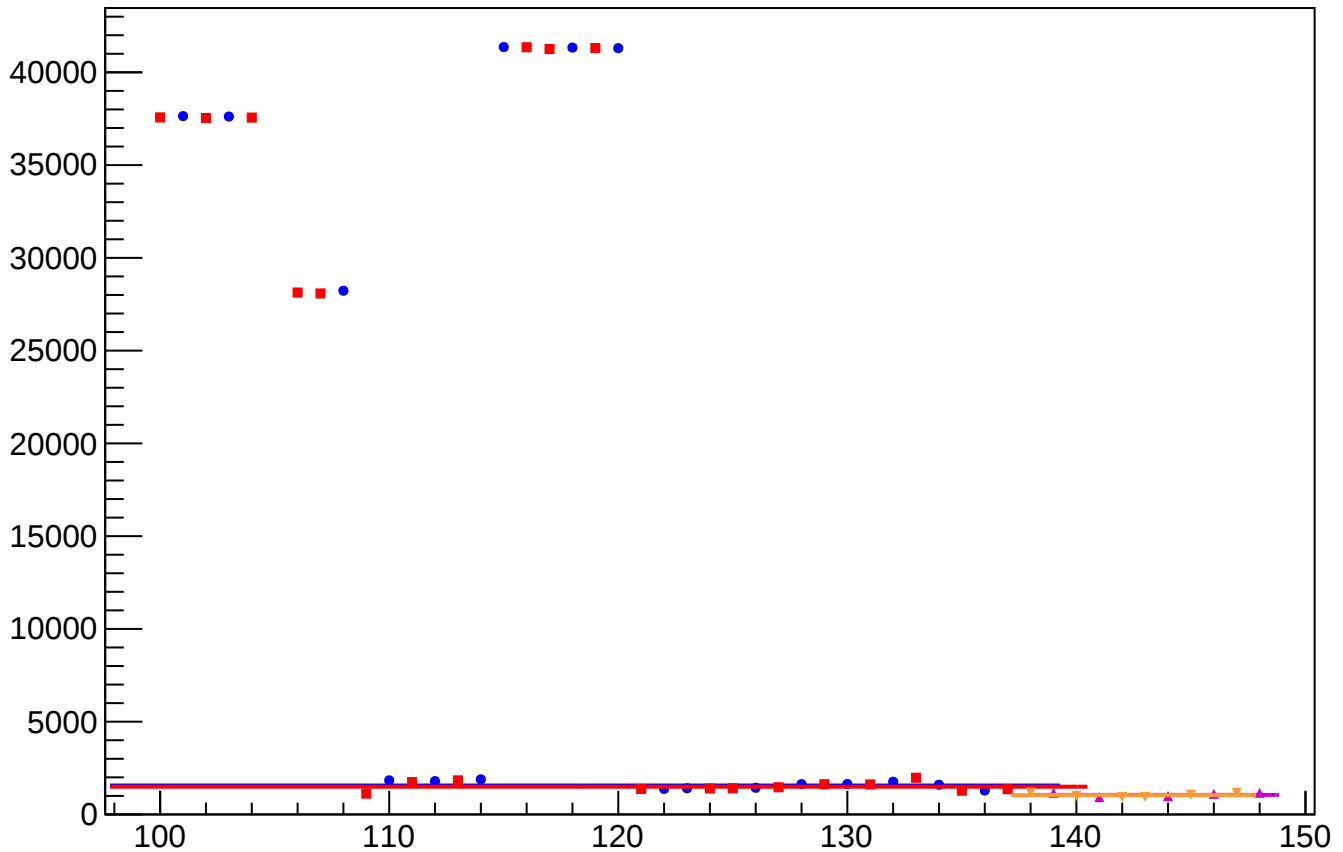
Right Out: 0.735 ± 0.710 χ^2/NDF : 22.5/19

Left In: 0.175 ± 0.530 χ^2/NDF : 9.7/4

-0.069 ± 0.423 χ^2/NDF : 26.5/22

0.375 ± 0.425 χ^2/NDF : 32.6/24

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1040.089+/-0.363 χ^2/NDF : 67707.7/5

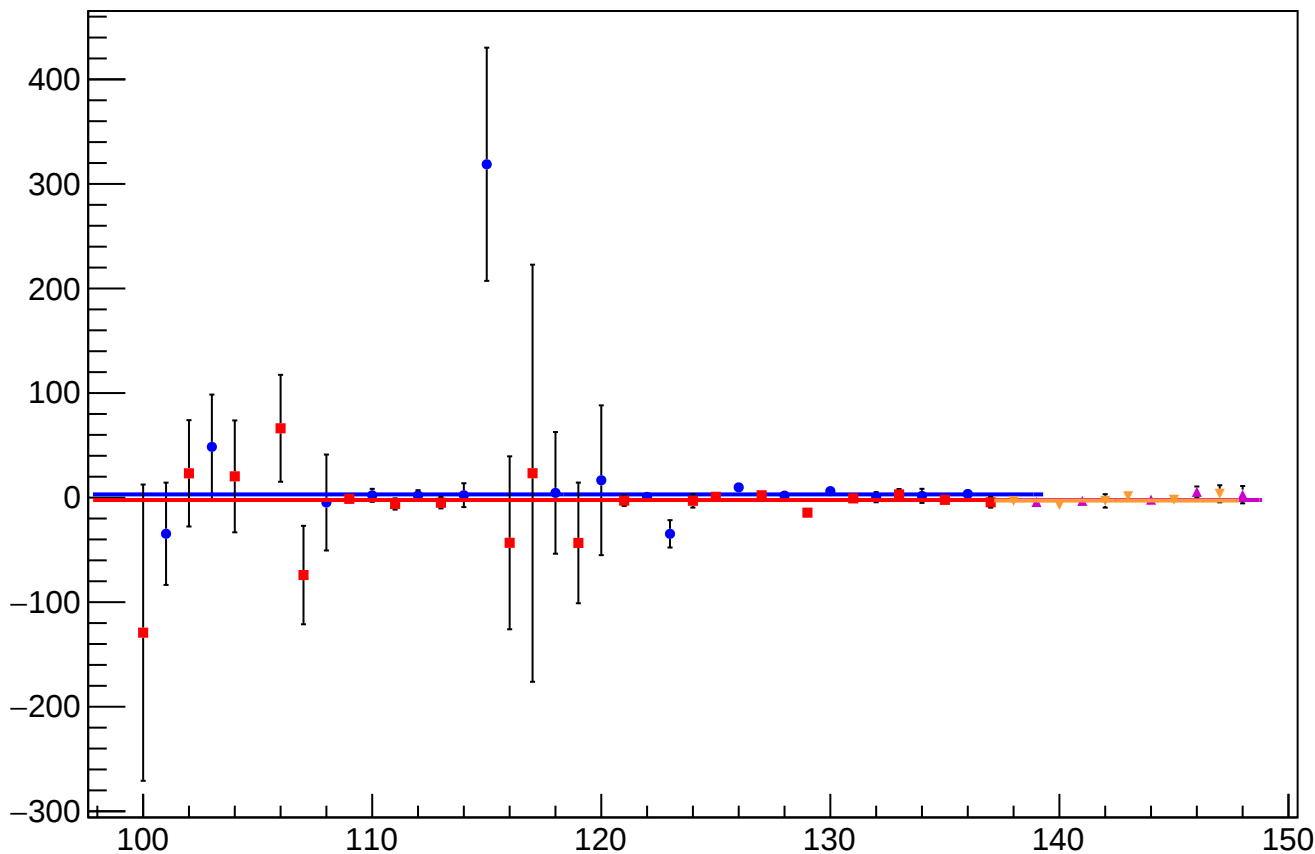
1206.084+/-0.299 χ^2/NDF : 5476209.8/22

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

1211.318+/-0.300 χ^2/NDF : 5537038.9/24

Left In: 1053.226+/-0.375 χ^2/NDF : 66262.6/4

diff_bpm1p02bY_mean vs Slug



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

Left Out: -2.824+/-1.546 χ^2/NDF : 2.6/5

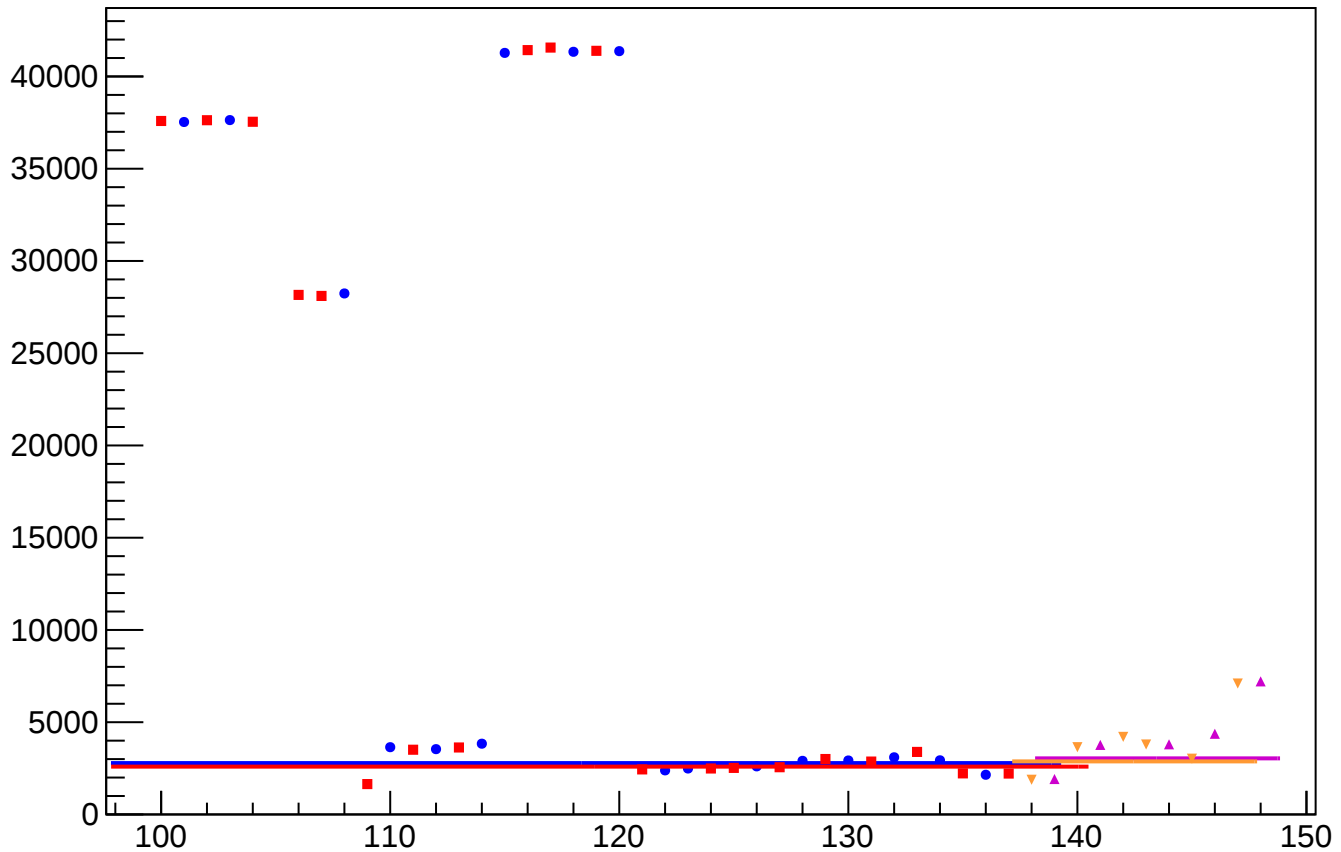
Right Out: -2.305+/-1.235 χ^2/NDF : 16.9/19

Left In: -2.272+/-1.692 χ^2/NDF : 3.5/4

0.581+/-1.005 χ^2/NDF : 32.9/22

-2.293+/-0.997 χ^2/NDF : 20.4/24

diff_bpm1p02bY_rms vs Slug



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

Left Out: 2876.067+/-1.093 χ^2/NDF : 1156887.6/5

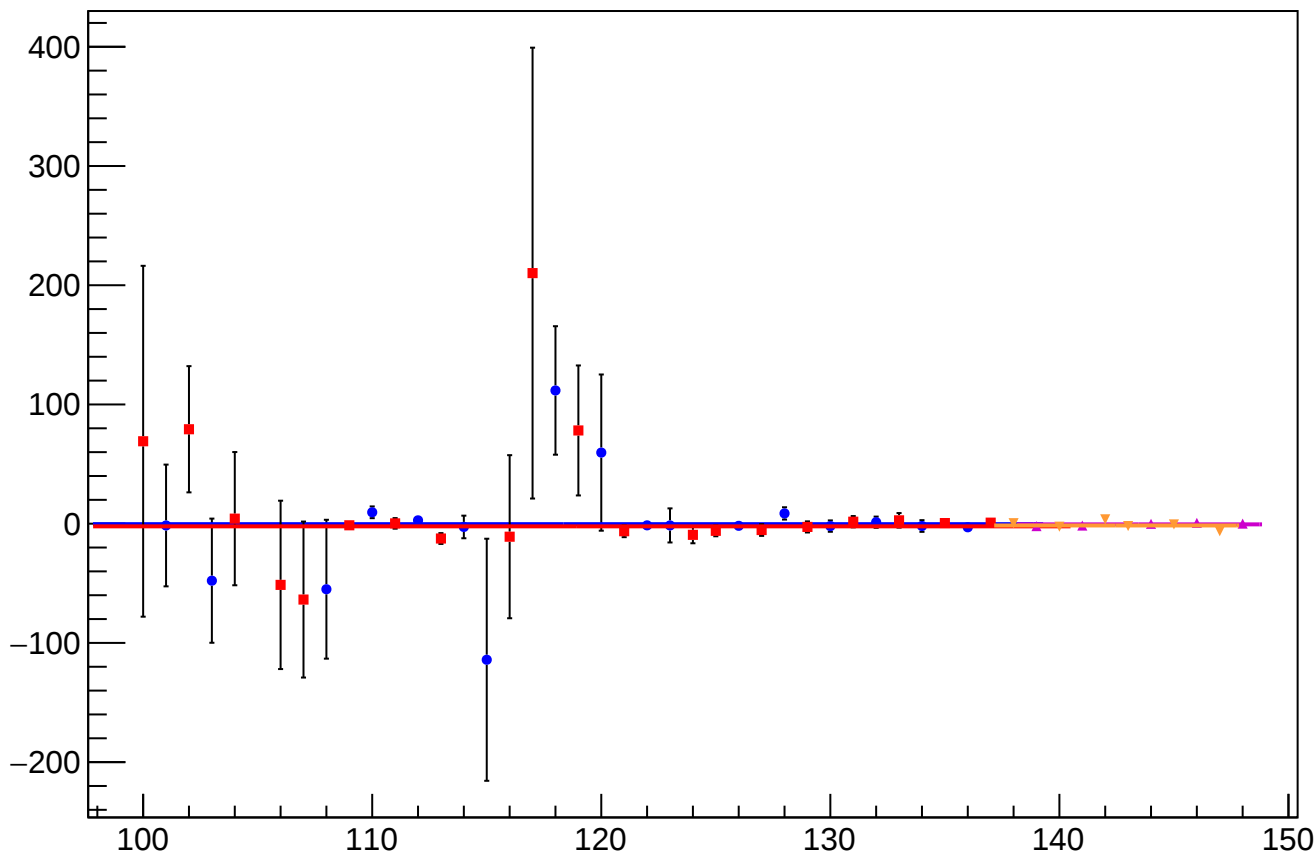
Right Out: 2592.654+/-0.873 χ^2/NDF : 4923077.9/19

Left In: 3040.025+/-1.197 χ^2/NDF : 1223817.3/4

2822.922+/-0.711 χ^2/NDF : 5738406.7/22

2748.051+/-0.705 χ^2/NDF : 6238128.6/24

diff_bpm1p03aX_mean vs Slug



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

Left Out: -1.489+/-0.766 χ^2 /NDF:13.1/5

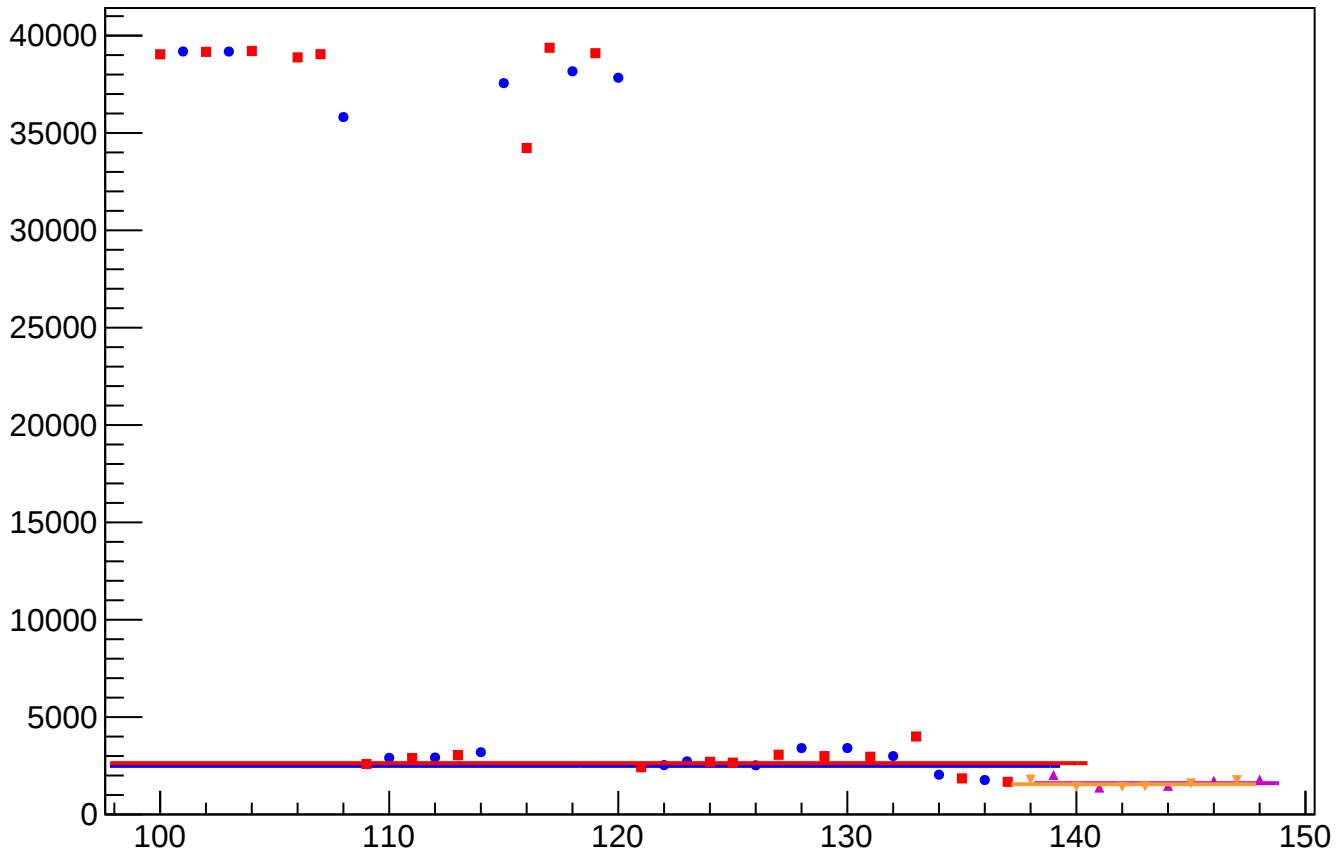
Right Out: -2.235+/-1.246 χ^2 /NDF: 18.7/19

Left In: -0.570+/-0.812 χ^2 /NDF:1.4/4

-1.181+/-0.648 χ^2 /NDF: 32.0/22

-1.067+/-0.680 χ^2 /NDF: 21.4/24

diff_bpm1p03aX_rms vs Slug



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

Left Out: 1551.989+/-0.542 χ^2/NDF : 78386.0/5

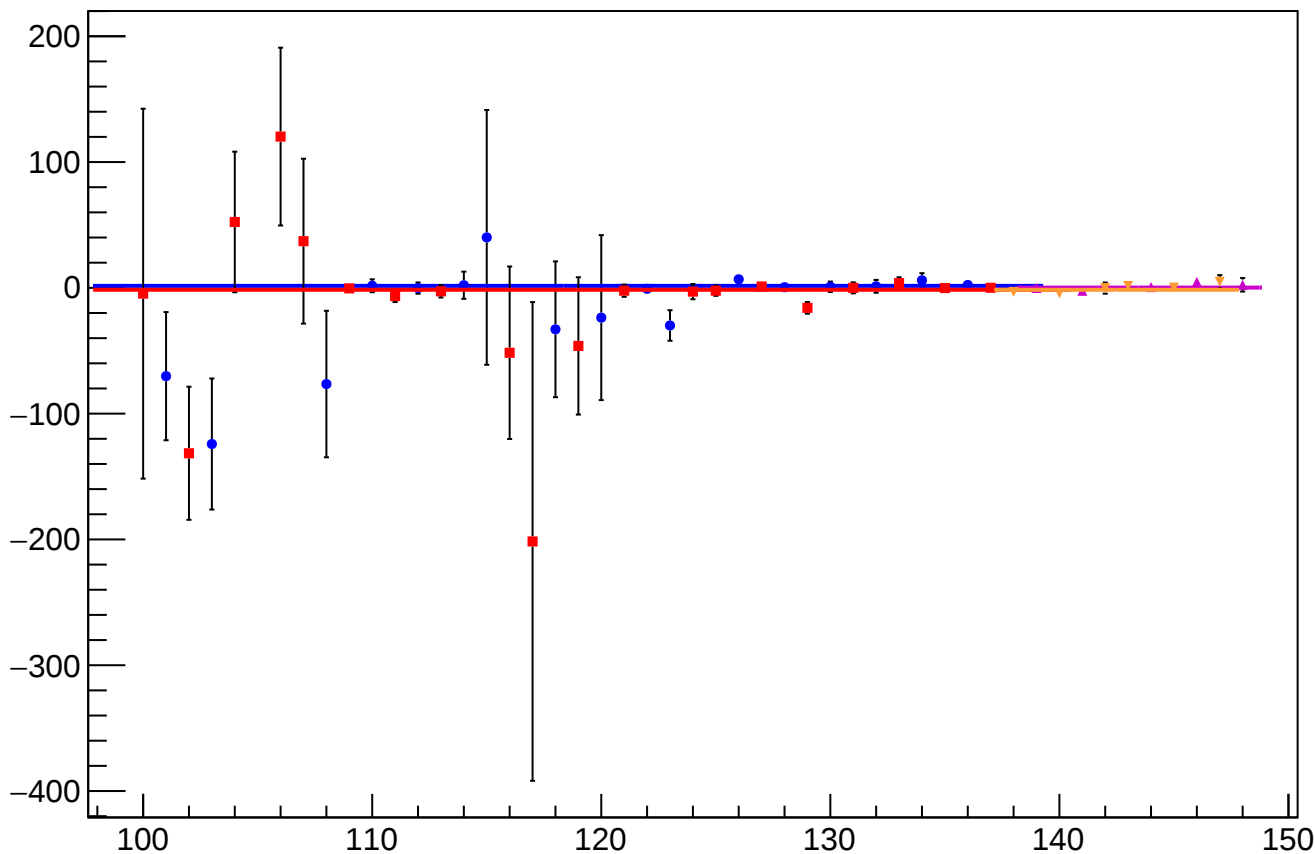
Right Out: 2634.840+/-0.881 χ^2/NDF : 4936039.0/19

Left In: 1605.834+/-0.574 χ^2/NDF : 144594.8/4

1819.500+/-0.459 χ^2/NDF : 5821048.2/22

1912.689+/-0.481 χ^2/NDF : 6038076.8/24

diff_bpm1p03aY_mean vs Slug



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

Left Out: -1.545 ± 1.066 χ^2/NDF : 5.1/5

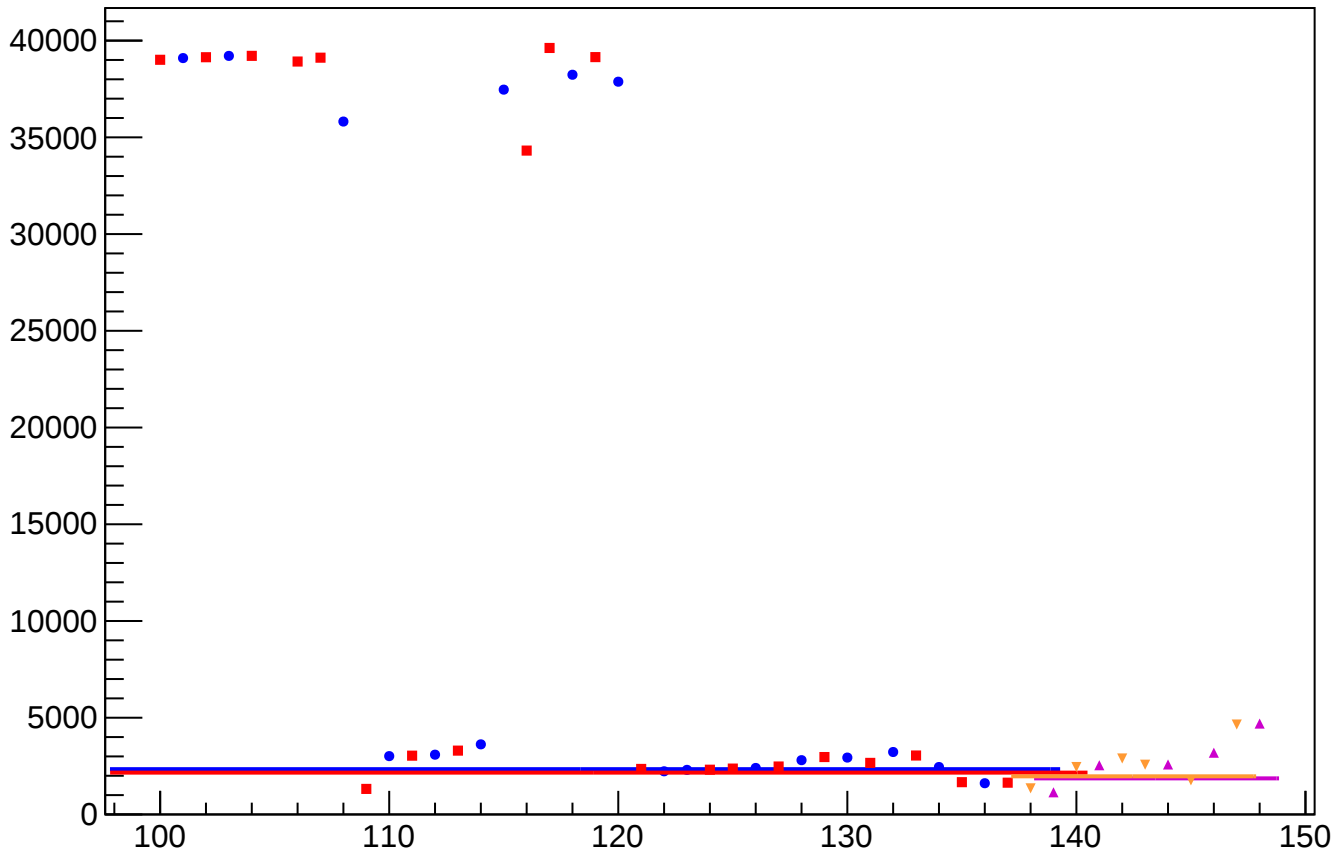
Right Out: -1.530 ± 1.062 χ^2/NDF : 26.1/19

Left In: 0.209 ± 1.065 χ^2/NDF : 2.5/4

-0.093 ± 0.780 χ^2/NDF : 29.4/22

-0.663 ± 0.752 χ^2/NDF : 30.0/24

diff_bpm1p03aY_rms vs Slug



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

Left Out: 1971.133+/-0.754 χ^2/NDF : 1006291.6/5

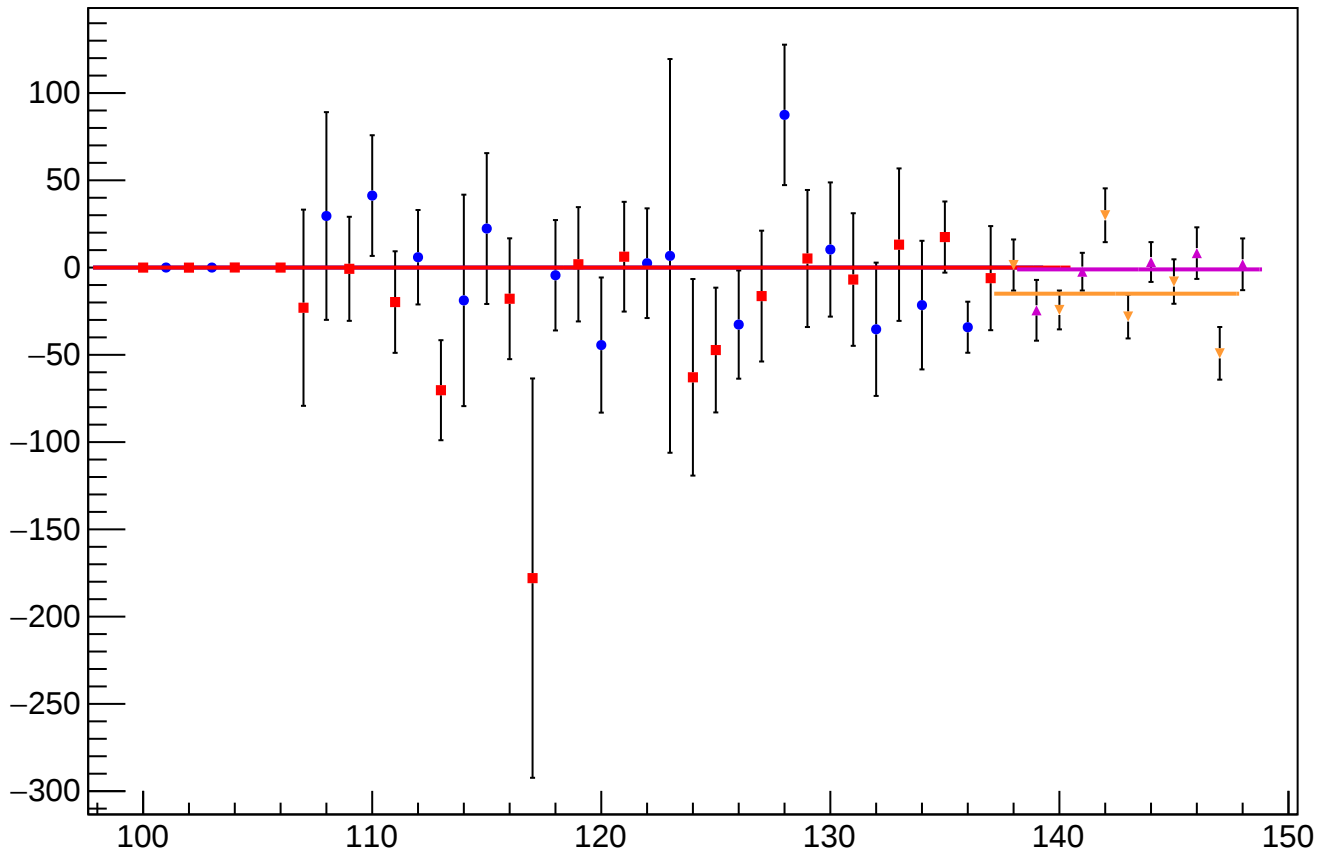
Right Out: 2162.329+/-0.751 χ^2/NDF : 5376569.5/19

Left In: 1865.061+/-0.753 χ^2/NDF : 1597871.2/4

2143.248+/-0.551 χ^2/NDF : 6125248.3/22

2014.118+/-0.532 χ^2/NDF : 7052550.2/24

diff_cav4bX_mean vs Slug



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

Left Out: -14.963 ± 5.435 χ^2/NDF : 17.0/5

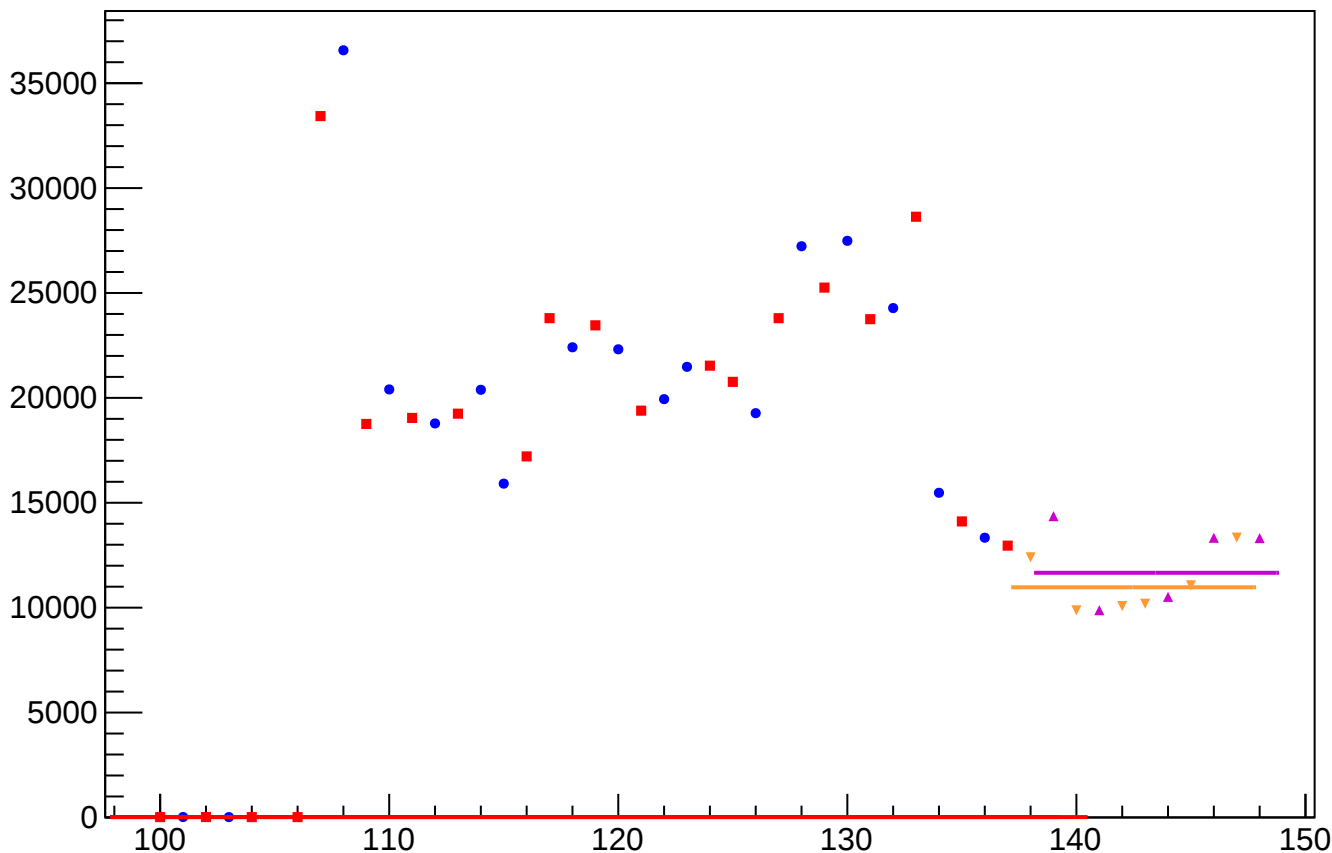
Right Out: 0.003 ± 0.016 χ^2/NDF : 18.3/19

Left In: -1.045 ± 5.905 χ^2/NDF : 2.4/4

0.013 ± 0.017 χ^2/NDF : 40.7/22

0.003 ± 0.016 χ^2/NDF : 20.7/24

diff_cav4bX_rms vs Slug



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

Left Out: 10971.363+/-3.843 χ^2/NDF :102483.8/5

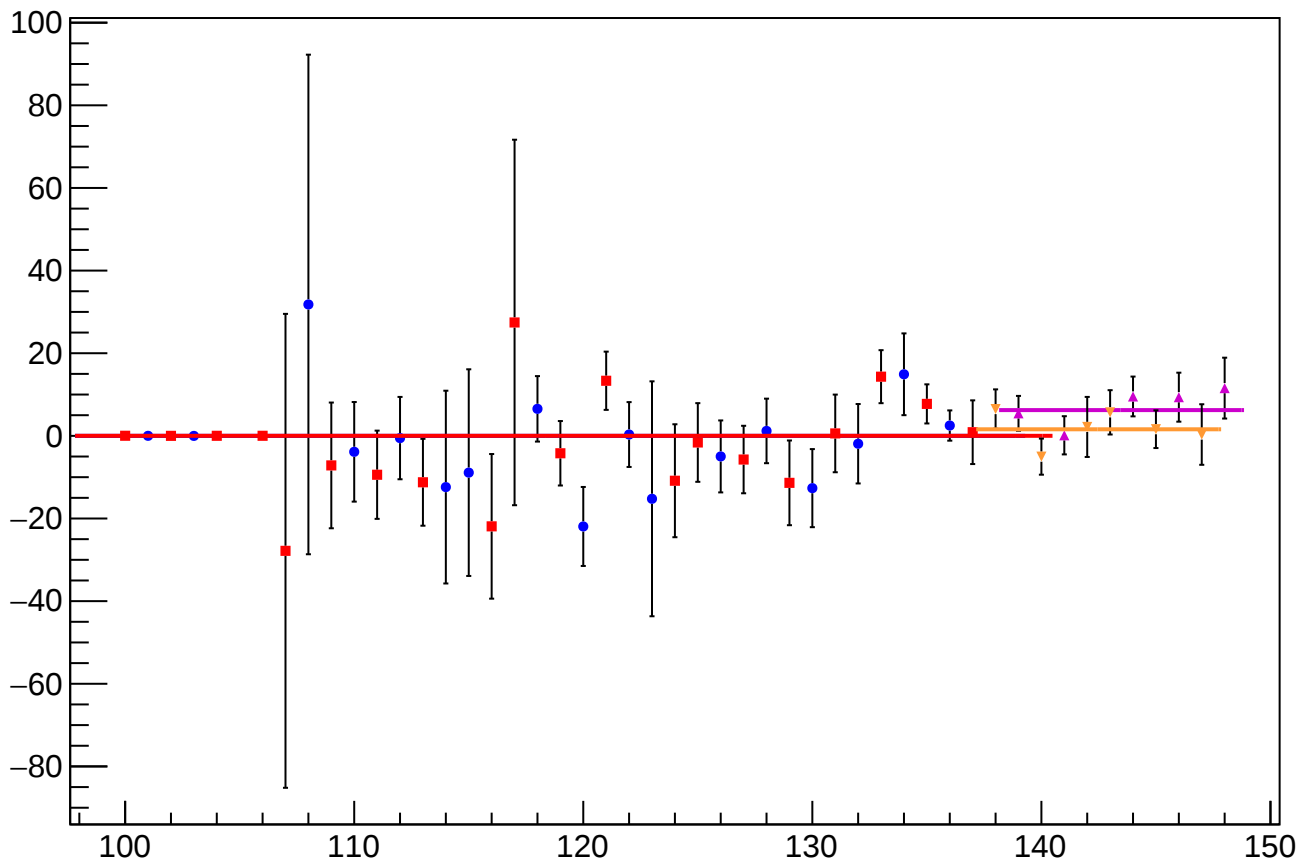
Right Out: 18.312+/-0.011 χ^2/NDF : 11197081.8/19

Left In: 11662.237+/-4.175 χ^2/NDF :173188.5/4

18.753+/-0.012 χ^2/NDF : 19209274.1/22

18.398+/-0.011 χ^2/NDF : 19146987.7/24

diff_cav4bY_mean vs Slug



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

Left Out: 1.590+/-2.148 χ^2/NDF : 4.0/5

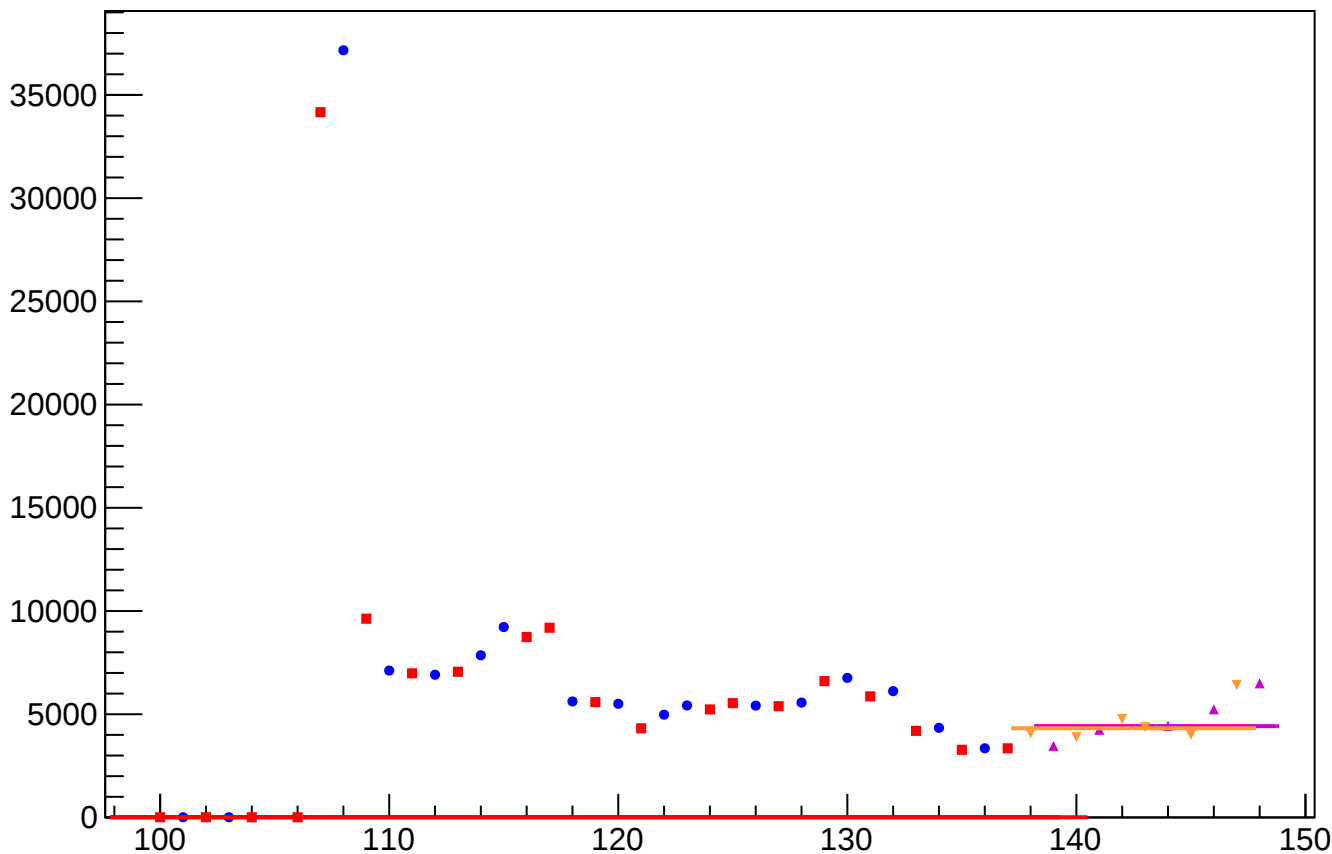
Right Out: 0.014+/-0.009 χ^2/NDF : 19.0/19

Left In: 6.236+/-2.276 χ^2/NDF : 3.0/4

0.001+/-0.009 χ^2/NDF : 17.5/22

0.014+/-0.009 χ^2/NDF : 29.5/24

diff_cav4bY_rms vs Slug



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

Left Out: 4320.574+/-1.519 χ^2/NDF :206108.9/5

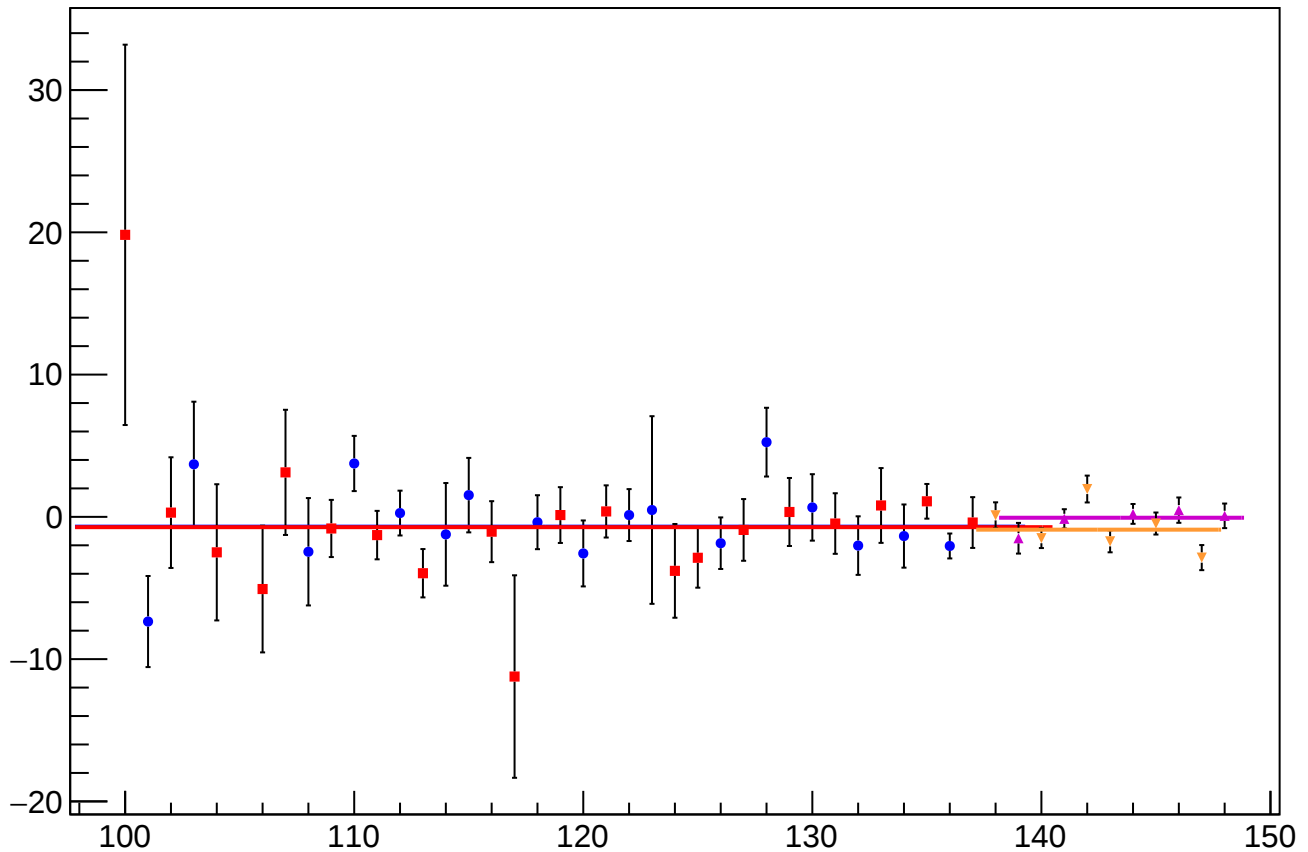
Right Out: 9.855+/-0.006 χ^2/NDF : 11246160.9/19

Left In: 4423.801+/-1.609 χ^2/NDF :302366.6/4

10.018+/-0.007 χ^2/NDF : 19374533.9/22

9.919+/-0.006 χ^2/NDF : 19071559.3/24

diff_cav4cX_mean vs Slug



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

Left Out: -0.900 ± 0.333 χ^2/NDF : 17.5/5

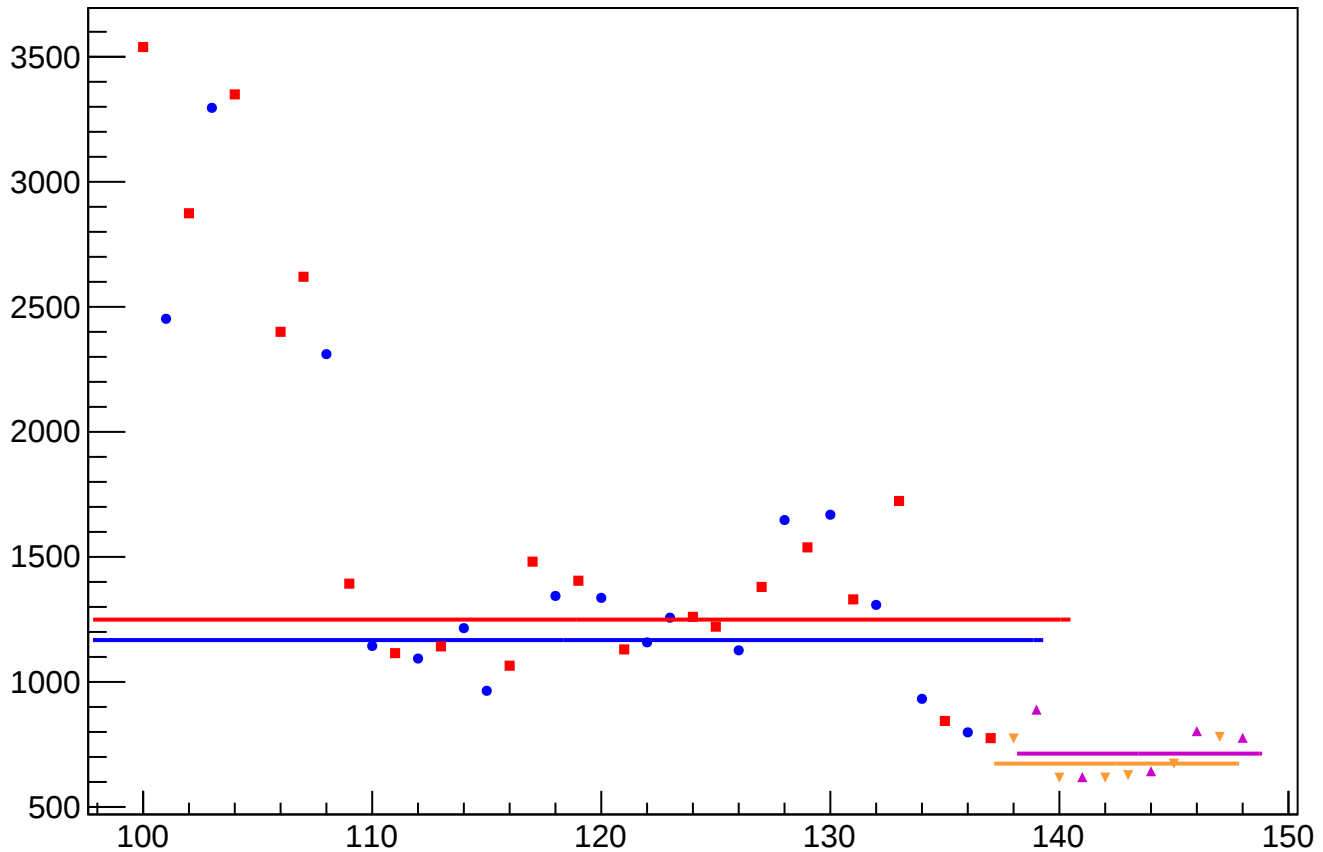
Right Out: -0.724 ± 0.499 χ^2/NDF : 15.5/19

Left In: -0.062 ± 0.360 χ^2/NDF : 2.3/4

-0.832 ± 0.274 χ^2/NDF : 40.2/22

-0.289 ± 0.292 χ^2/NDF : 19.0/24

diff_cav4cX_rms vs Slug



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

Left Out: 673.458 $\pm$ 0.235 χ^2 /NDF: 80755.9/5

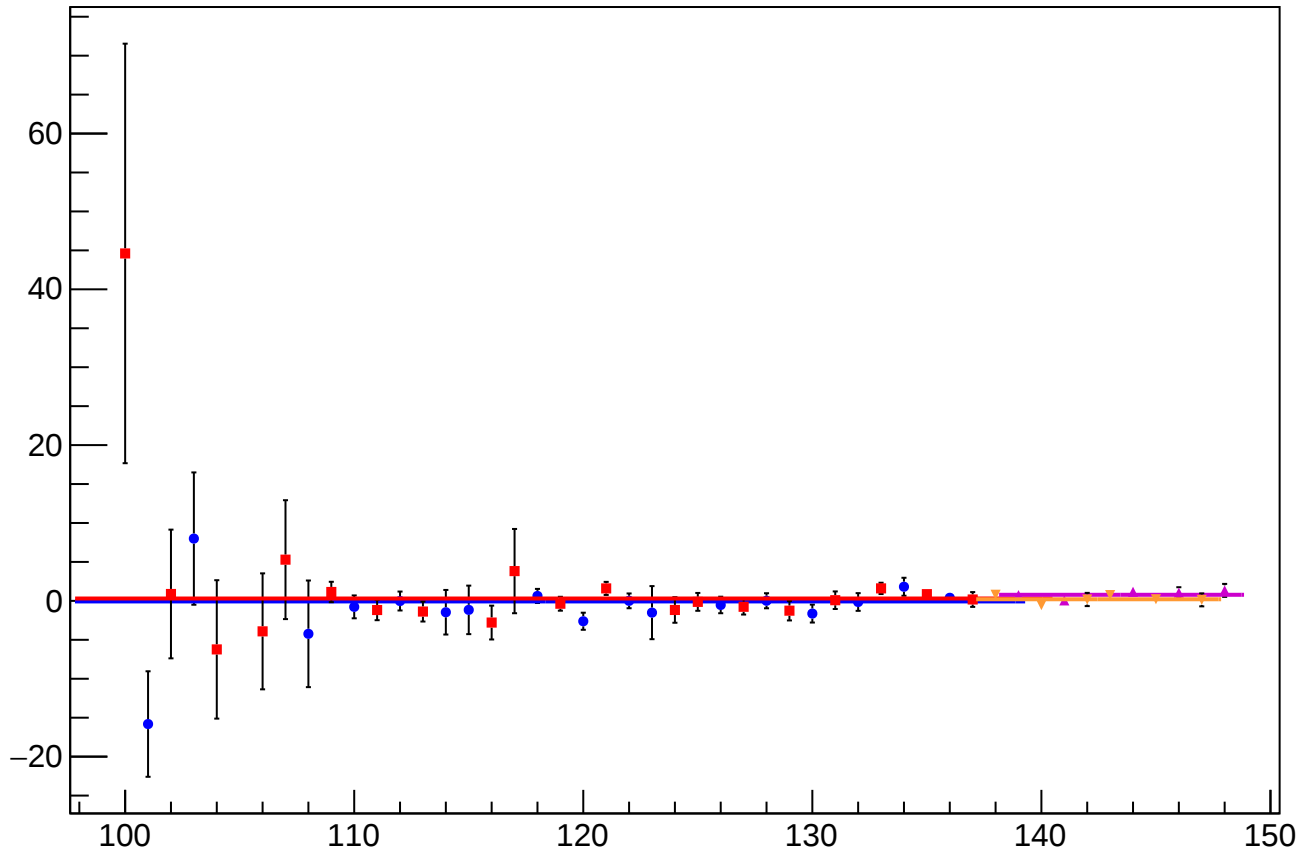
832.851 $\pm$ 0.194 χ^2 /NDF: 3080019.0/22

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

896.880 $\pm$ 0.207 χ^2 /NDF: 3314391.2/24

Left In: 713.362 $\pm$ 0.255 χ^2 /NDF: 143236.9/4

diff_cav4cY_mean vs Slug



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

Left Out: 0.206 ± 0.253 χ^2/NDF : 3.9/5

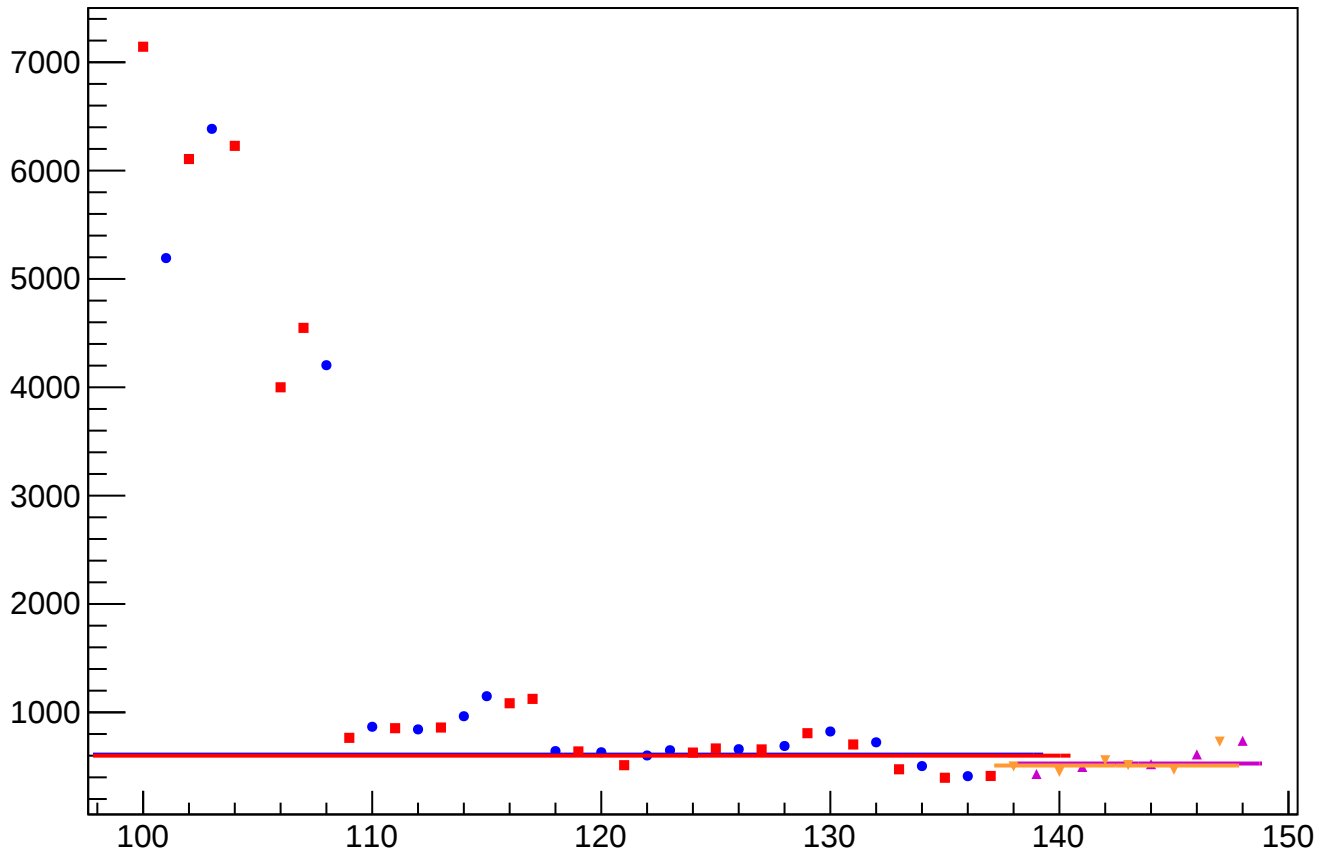
Right Out: 0.303 ± 0.264 χ^2/NDF : 20.7/19

Left In: 0.780 ± 0.270 χ^2/NDF : 2.9/4

0.075 ± 0.184 χ^2/NDF : 23.7/22

0.536 ± 0.189 χ^2/NDF : 25.2/24

diff_cav4cY_rms vs Slug



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

Left Out: 509.259 $\pm$ 0.179 χ^2 /NDF: 184927.0/5

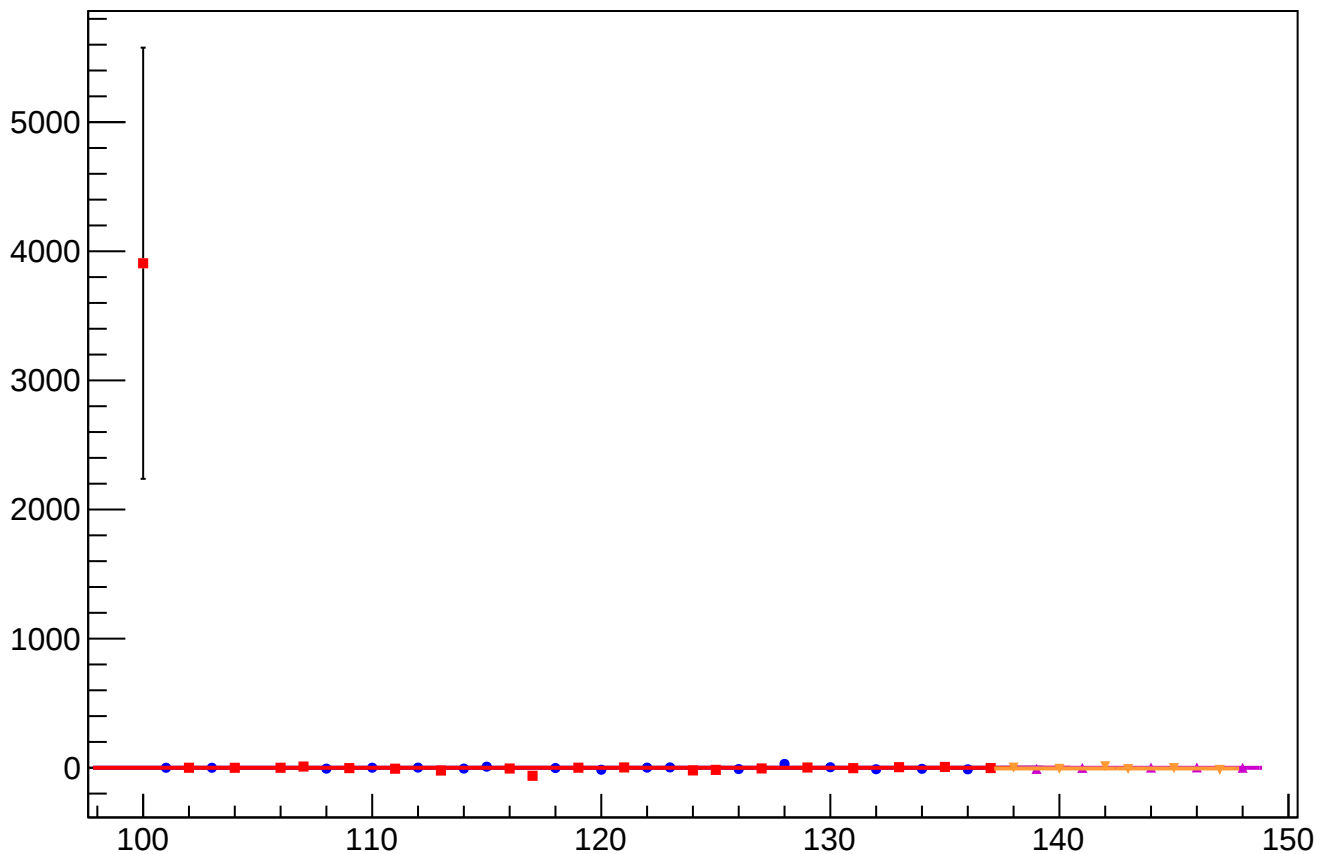
556.459 $\pm$ 0.130 χ^2 /NDF: 3469510.1/22

Right Out: 600.264 $\pm$ 0.186 χ^2 /NDF: 3571191.0/19

564.817 $\pm$ 0.133 χ^2 /NDF: 3876294.2/24

Left In: 527.634 $\pm$ 0.191 χ^2 /NDF: 230996.2/4

diff_cav4dX_mean vs Slug



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

Left Out: -5.162 ± 1.925 χ^2/NDF : 17.6/5

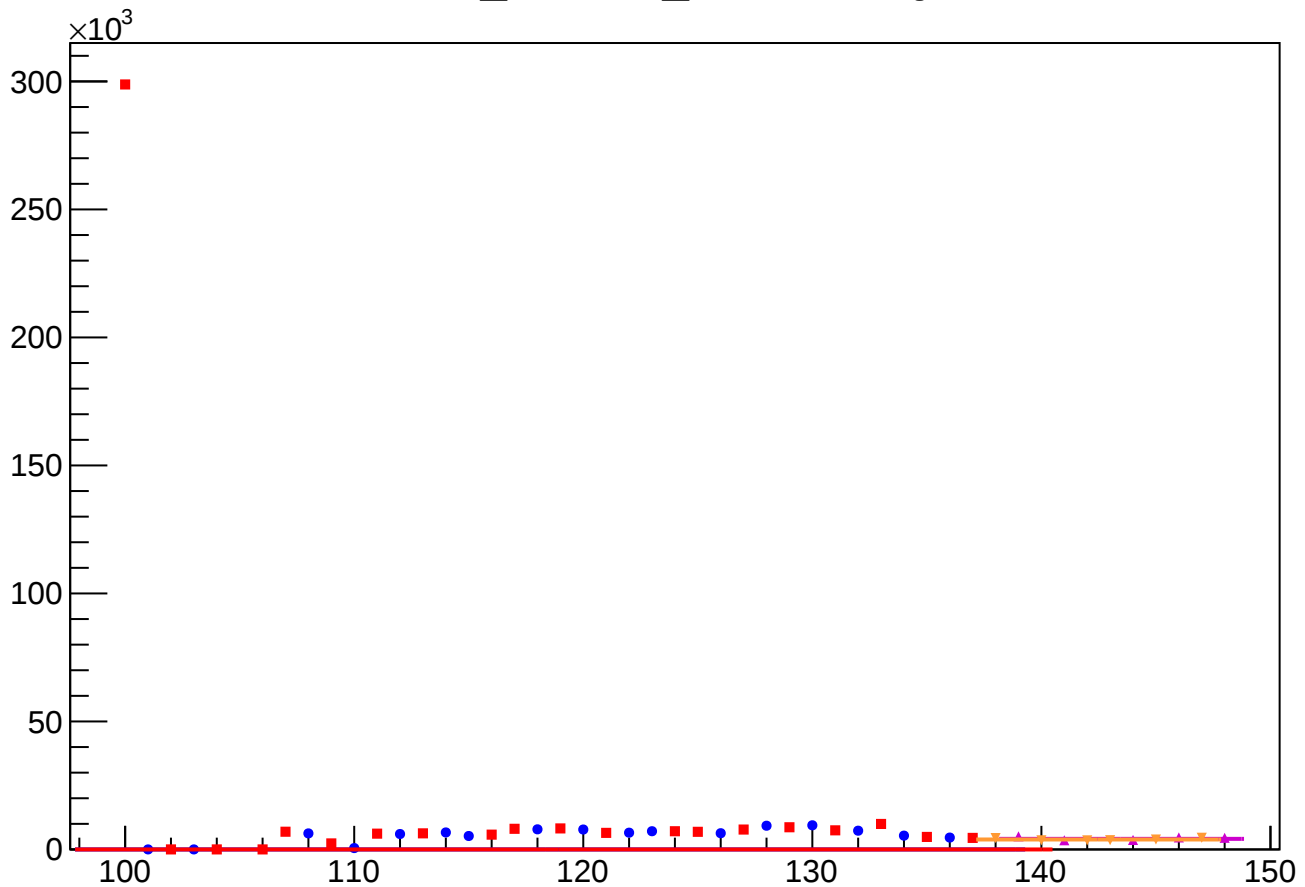
Right Out: -0.027 ± 0.020 χ^2/NDF : 20.5/19

Left In: -0.357 ± 2.092 χ^2/NDF : 2.4/4

-0.022 ± 0.021 χ^2/NDF : 40.3/22

-0.027 ± 0.020 χ^2/NDF : 22.9/24

diff_cav4dX_rms vs Slug



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

Left Out: 3893.220 $\pm$ 1.361 χ^2 /NDF:84200.5/5

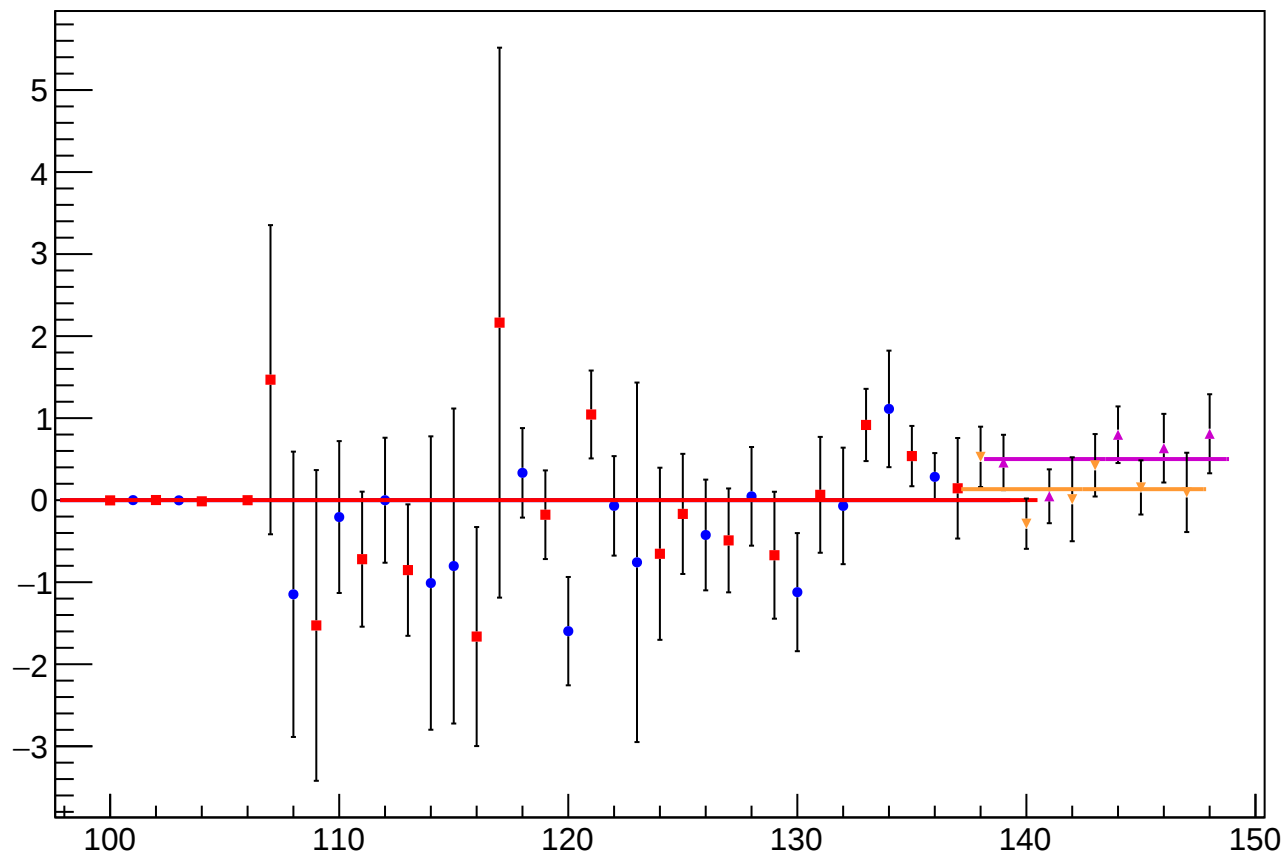
Right Out: 17.271 $\pm$ 0.014 χ^2 /NDF: 10906837.9/19

Left In: 4139.339 $\pm$ 1.479 χ^2 /NDF:148203.9/4

17.793 $\pm$ 0.015 χ^2 /NDF: 18689437.6/22

17.639 $\pm$ 0.014 χ^2 /NDF: 18821137.7/24

diff_cav4dY_mean vs Slug



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

Left Out: 0.134+/-0.154 χ^2/NDF : 3.7/5

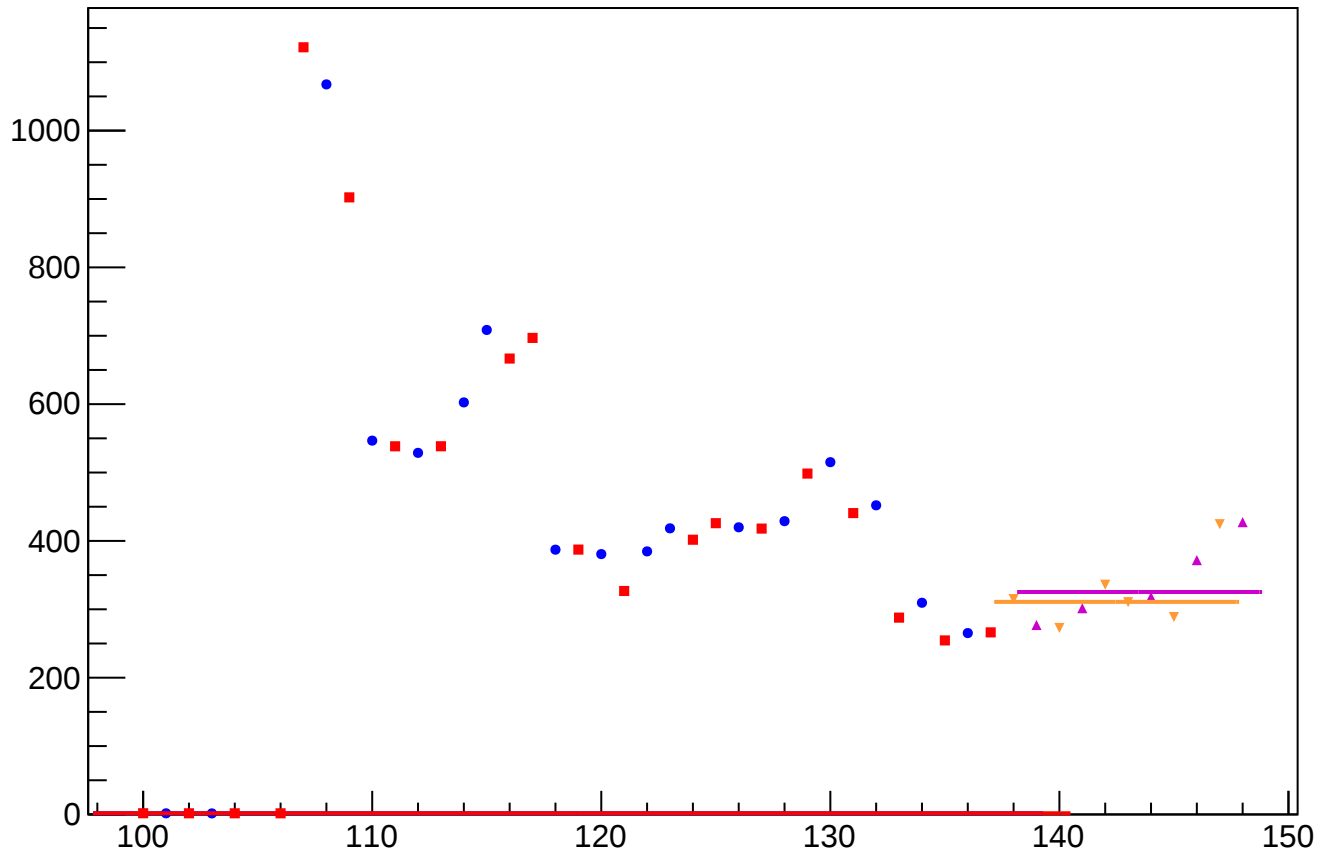
Right Out: 0.001+/-0.002 χ^2/NDF : 18.3/19

Left In: 0.501+/-0.166 χ^2/NDF : 3.2/4

0.000+/-0.002 χ^2/NDF : 18.2/22

0.001+/-0.002 χ^2/NDF : 30.6/24

diff_cav4dY_rms vs Slug



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

Left Out: 310.865+/-0.109 χ^2/NDF :155399.5/5

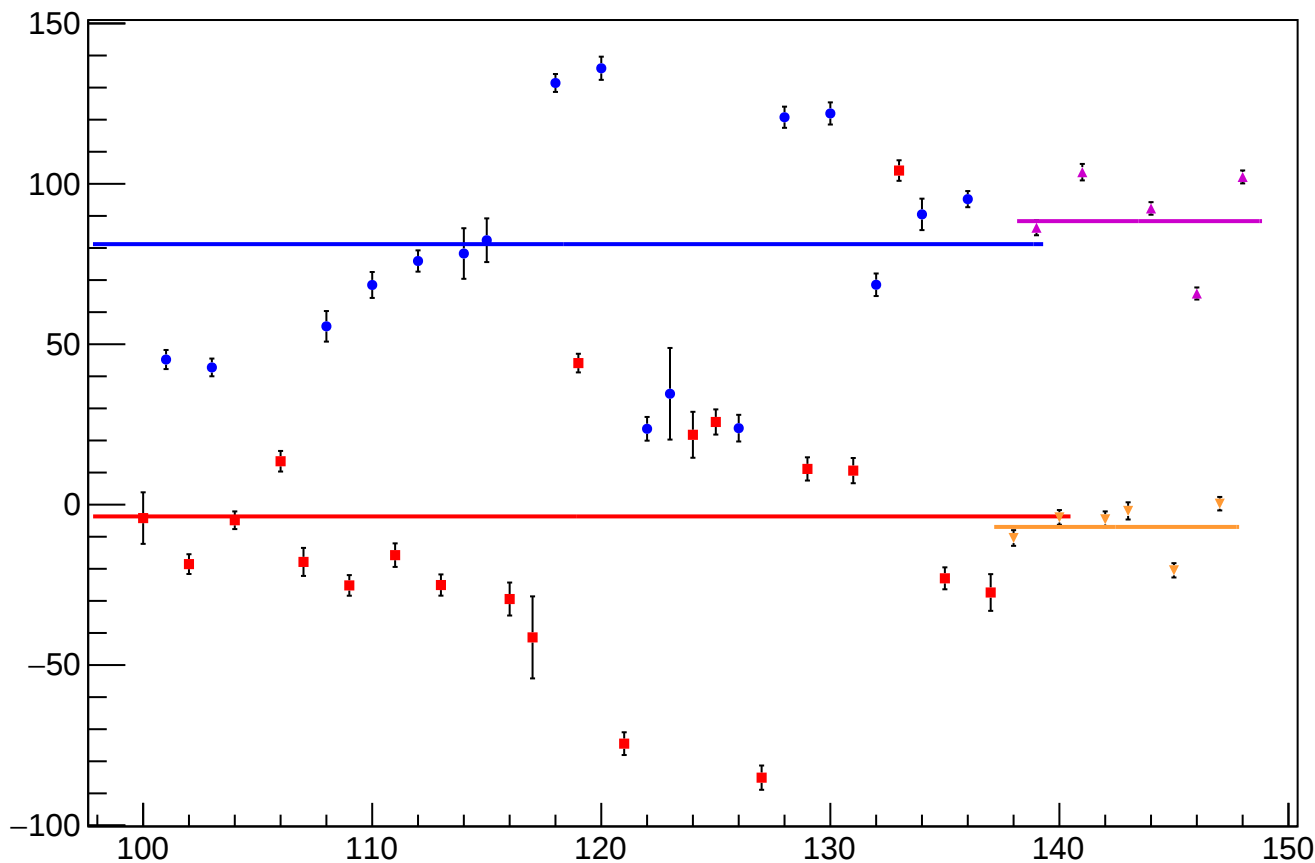
Right Out: 1.729+/-0.001 χ^2/NDF : 10829914.3/19

Left In: 325.313+/-0.117 χ^2/NDF :166949.1/4

1.753+/-0.001 χ^2/NDF : 19272973.4/22

1.773+/-0.001 χ^2/NDF : 18634600.3/24

diff_bpm0i01X_mean vs Slug



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

Left Out: -6.945 $\pm$ 0.959 χ^2 /NDF: 56.5/5

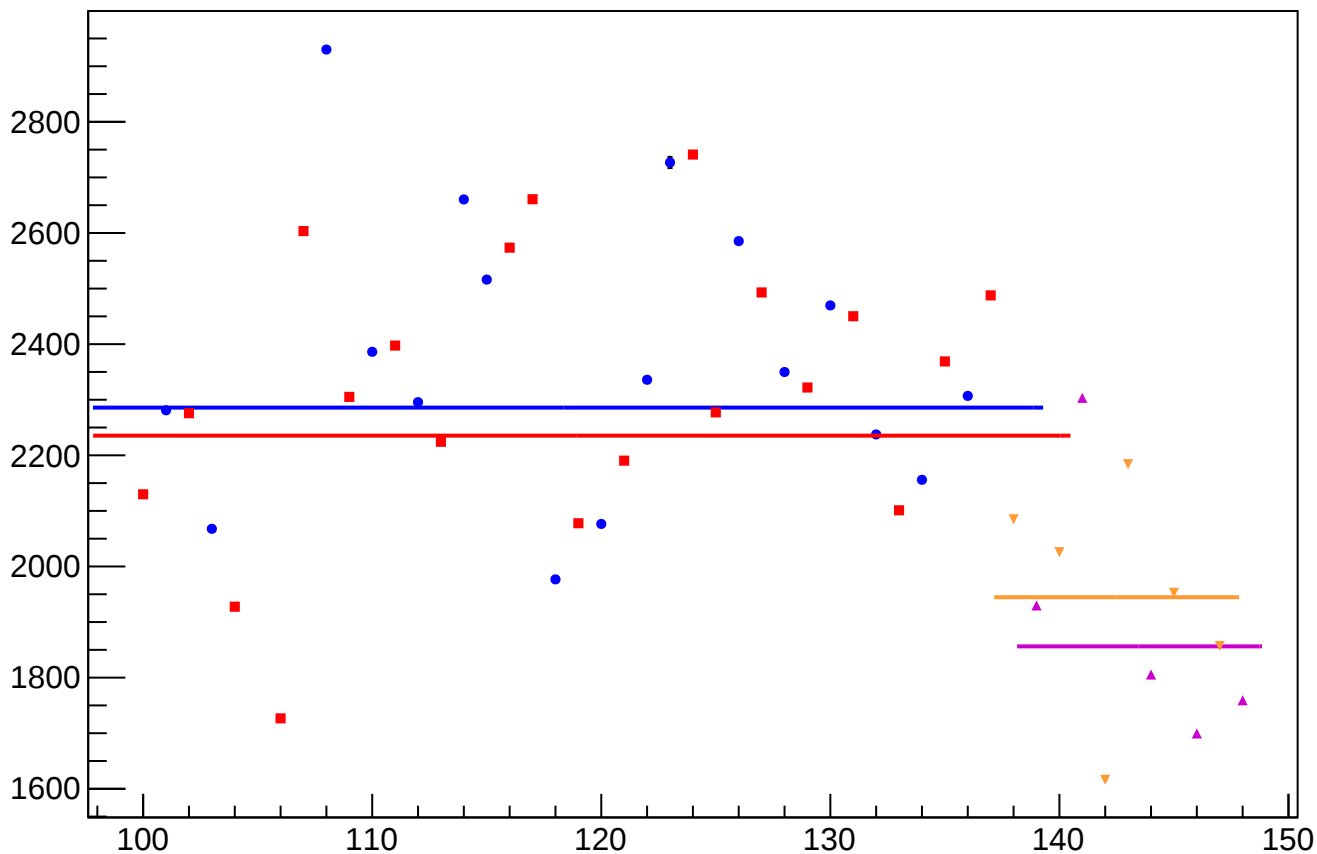
Right Out: -3.672 $\pm$ 0.841 χ^2 /NDF: 2607.8/19

Left In: 88.375 $\pm$ 0.946 χ^2 /NDF: 229.8/4

40.610 $\pm$ 0.651 χ^2 /NDF: 6327.4/22

36.944 $\pm$ 0.628 χ^2 /NDF: 8127.3/24

diff_bpm0i01X_rms vs Slug



Right In: 2285.855 $\pm$ 0.626 χ^2 /NDF: 109336.5/16

Left Out: 1944.676 $\pm$ 0.678 χ^2 /NDF: 64096.8/5

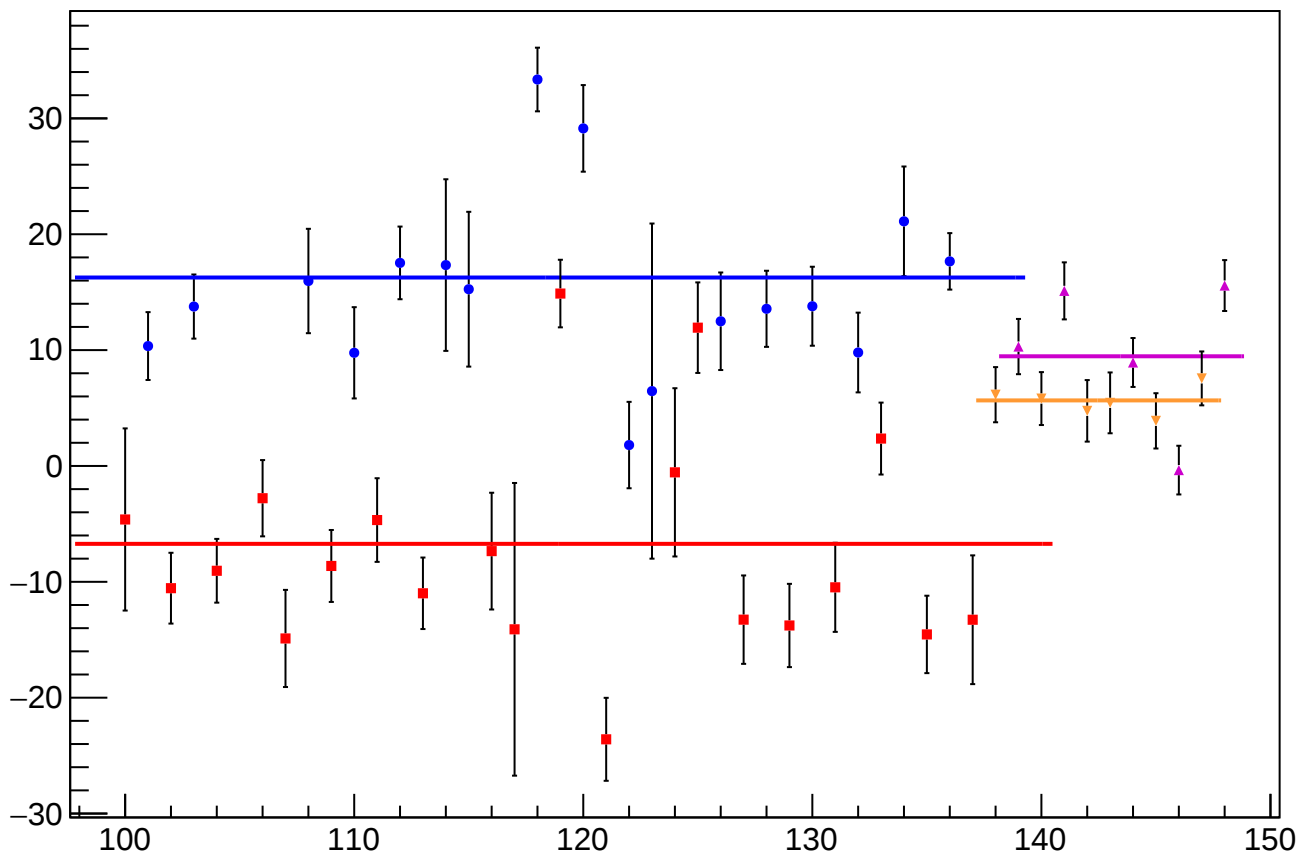
Right Out: 2235.394 $\pm$ 0.594 χ^2 /NDF: 149072.1/19

Left In: 1856.250 $\pm$ 0.669 χ^2 /NDF: 82310.6/4

2128.743 $\pm$ 0.460 χ^2 /NDF: 310098.4/22

2068.094 $\pm$ 0.444 χ^2 /NDF: 410878.2/24

diff_bpm0i01Y_mean vs Slug



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

Left Out: 5.658 ± 0.992 χ^2/NDF : 1.4/5

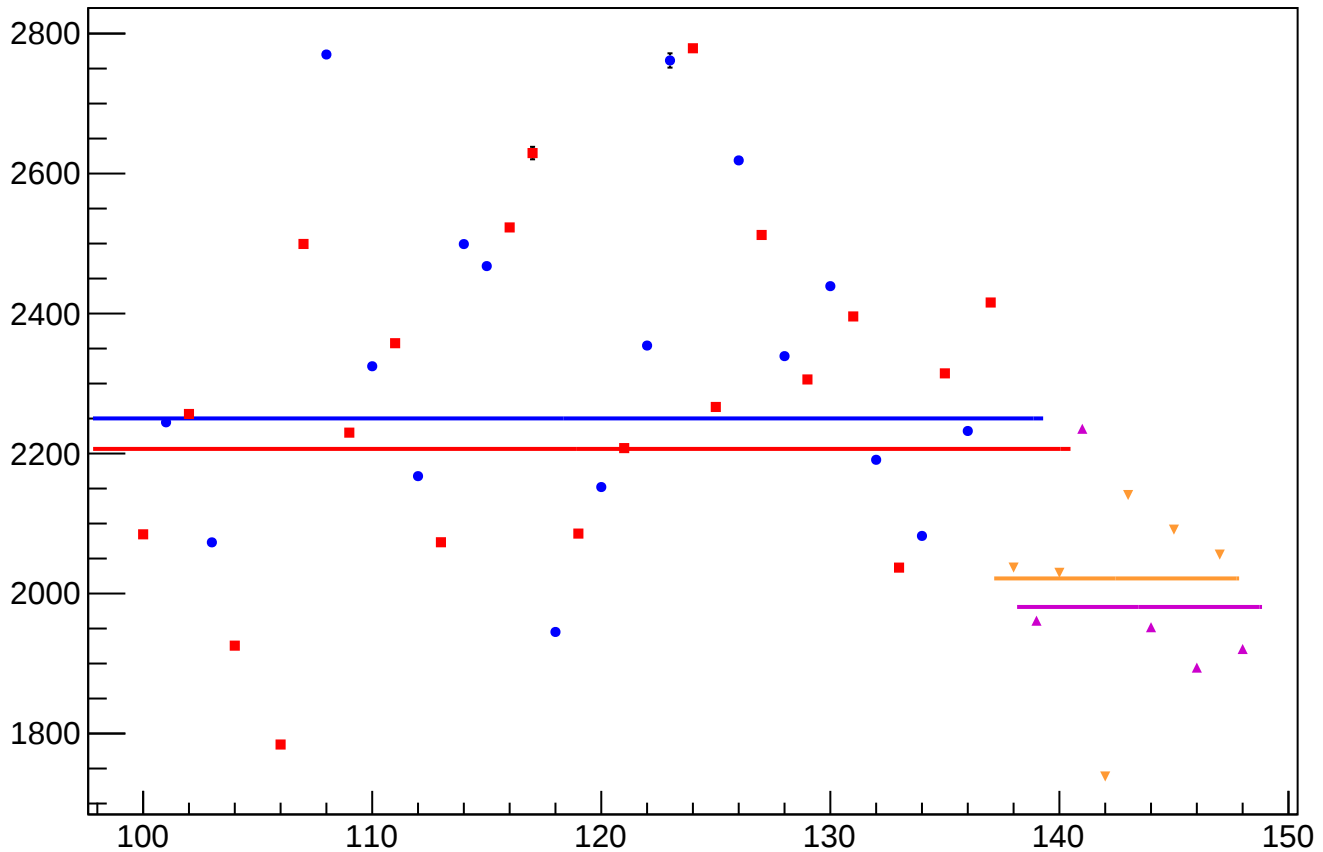
Right Out: -6.722 ± 0.829 χ^2/NDF : 134.3/19

Left In: 9.467 ± 1.001 χ^2/NDF : 35.0/4

11.647 ± 0.655 χ^2/NDF : 146.7/22

-0.134 ± 0.638 χ^2/NDF : 324.5/24

diff_bpm0i01Y_rms vs Slug



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

Left Out: 2021.571+/-0.702 χ^2/NDF : 29062.3/5

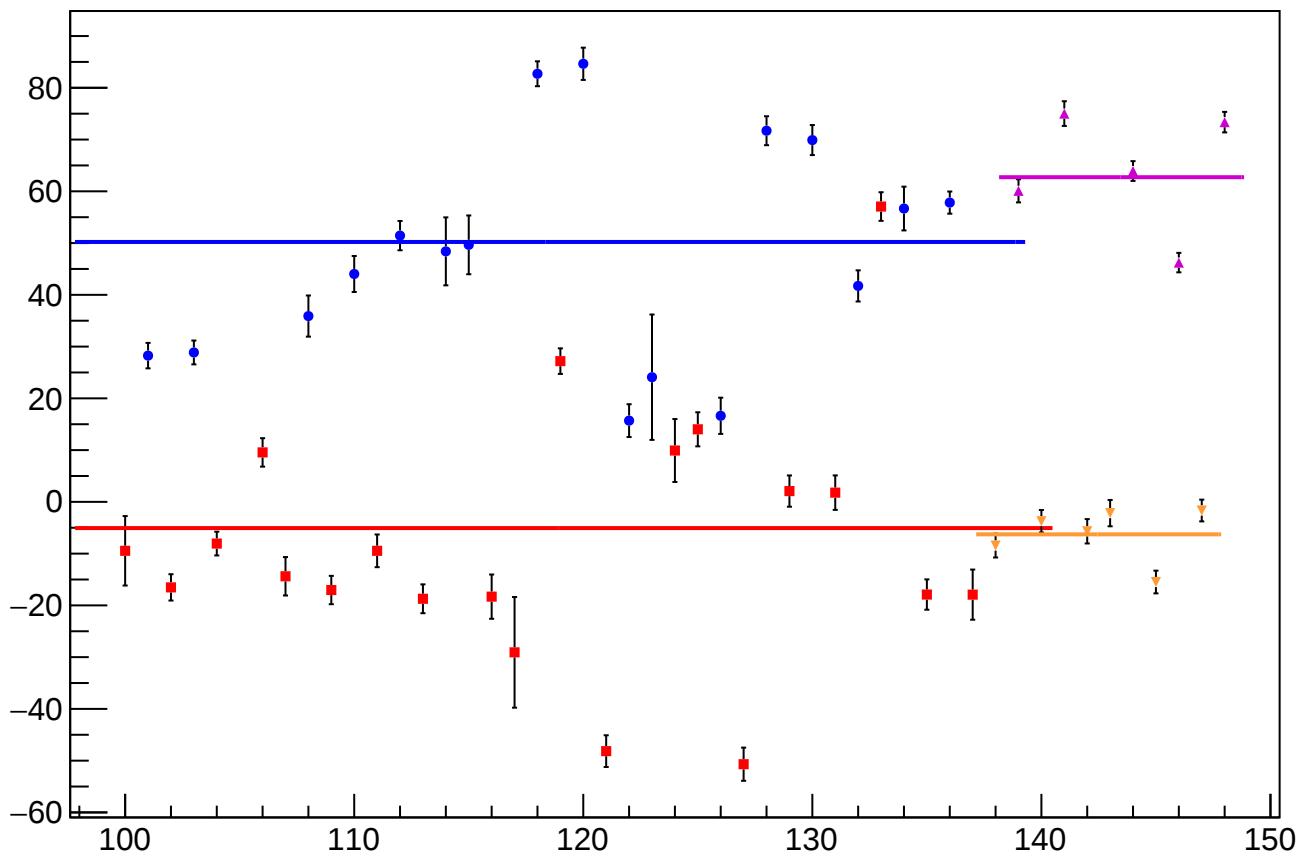
Right Out: 2206.617+/-0.586 χ^2/NDF : 128476.5/19

Left In: 1980.833+/-0.708 χ^2/NDF : 26790.6/4

2150.635+/-0.463 χ^2/NDF : 186560.2/22

2114.724+/-0.451 χ^2/NDF : 215652.7/24

diff_bpm0i01aX_mean vs Slug



Right In: 50.215 ± 0.751 $\chi^2/\text{NDF}: 830.3/16$

Left Out: -6.274 ± 0.925 $\chi^2/\text{NDF}: 27.3/5$

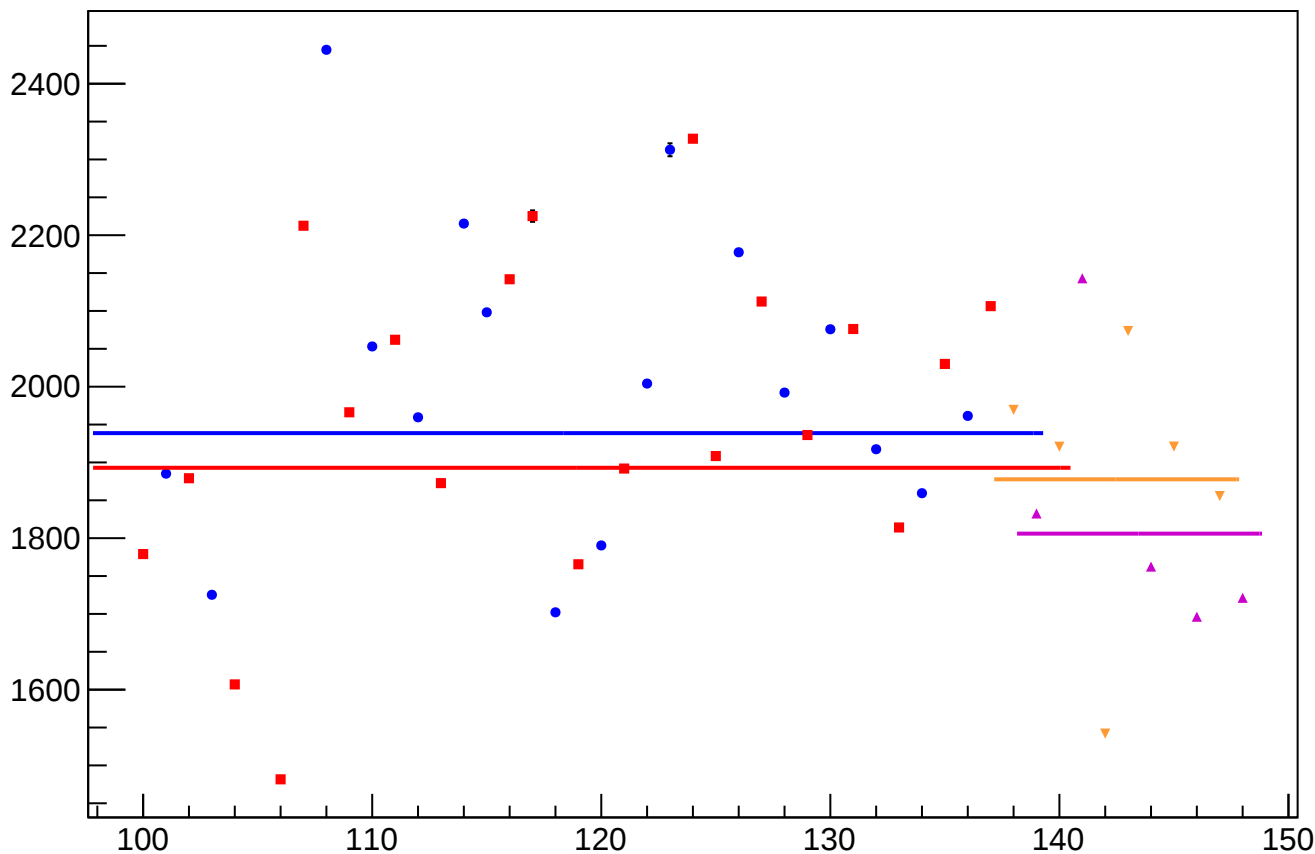
Right Out: -5.065 ± 0.712 $\chi^2/\text{NDF}: 1267.6/19$

Left In: 62.727 ± 0.918 $\chi^2/\text{NDF}: 133.9/4$

27.773 ± 0.583 $\chi^2/\text{NDF}: 3106.7/22$

20.374 ± 0.563 $\chi^2/\text{NDF}: 4805.1/24$

diff_bpm0i01aX_rms vs Slug



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

Left Out: 1877.708 $\pm$ 0.654 χ^2 /NDF: 57509.8/5

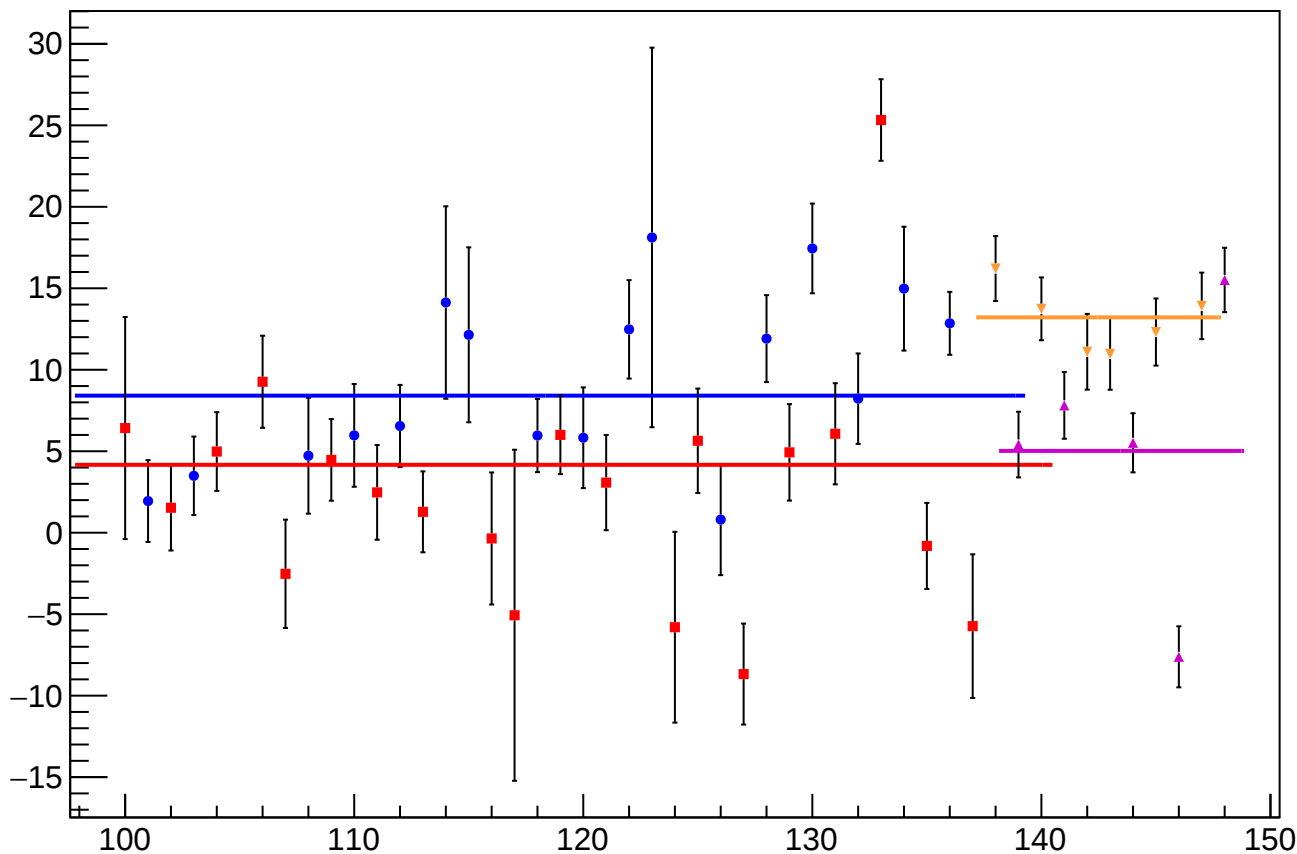
Right Out: 1892.946 $\pm$ 0.503 χ^2 /NDF: 148563.2/19

Left In: 1806.012 $\pm$ 0.649 χ^2 /NDF: 51617.8/4

1914.462 $\pm$ 0.412 χ^2 /NDF: 162894.8/22

1860.324 $\pm$ 0.398 χ^2 /NDF: 211374.9/24

diff_bpm0i01aY_mean vs Slug



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

Left Out: 13.215 ± 0.849 $\chi^2/\text{NDF}: 4.5/5$

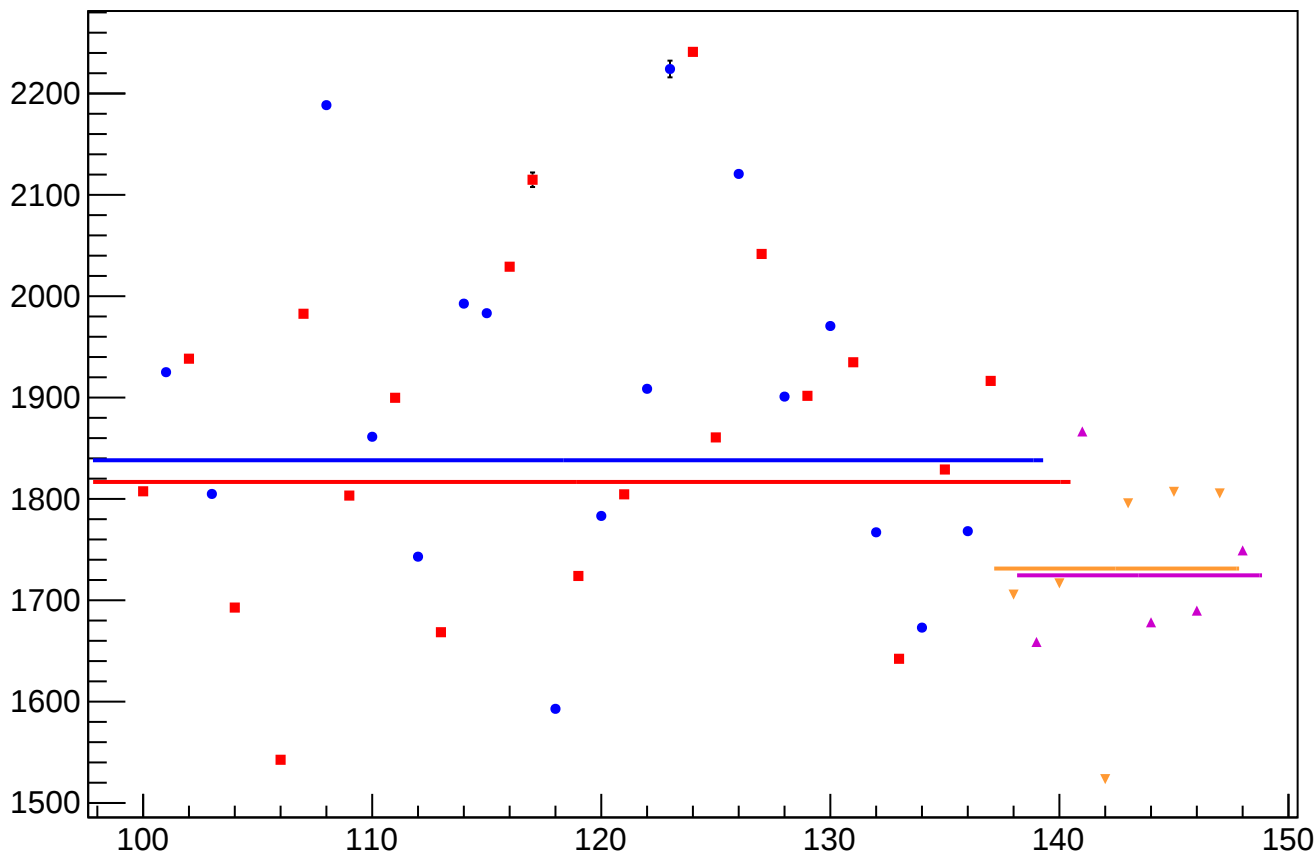
Right Out: 4.167 ± 0.681 $\chi^2/\text{NDF}: 113.9/19$

Left In: 5.020 ± 0.867 $\chi^2/\text{NDF}: 75.7/4$

10.392 ± 0.545 $\chi^2/\text{NDF}: 67.9/22$

4.492 ± 0.535 $\chi^2/\text{NDF}: 190.2/24$

diff_bpm0i01aY_rms vs Slug



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

Left Out: 1731.302 ± 0.600 χ^2/NDF : 23477.2/5

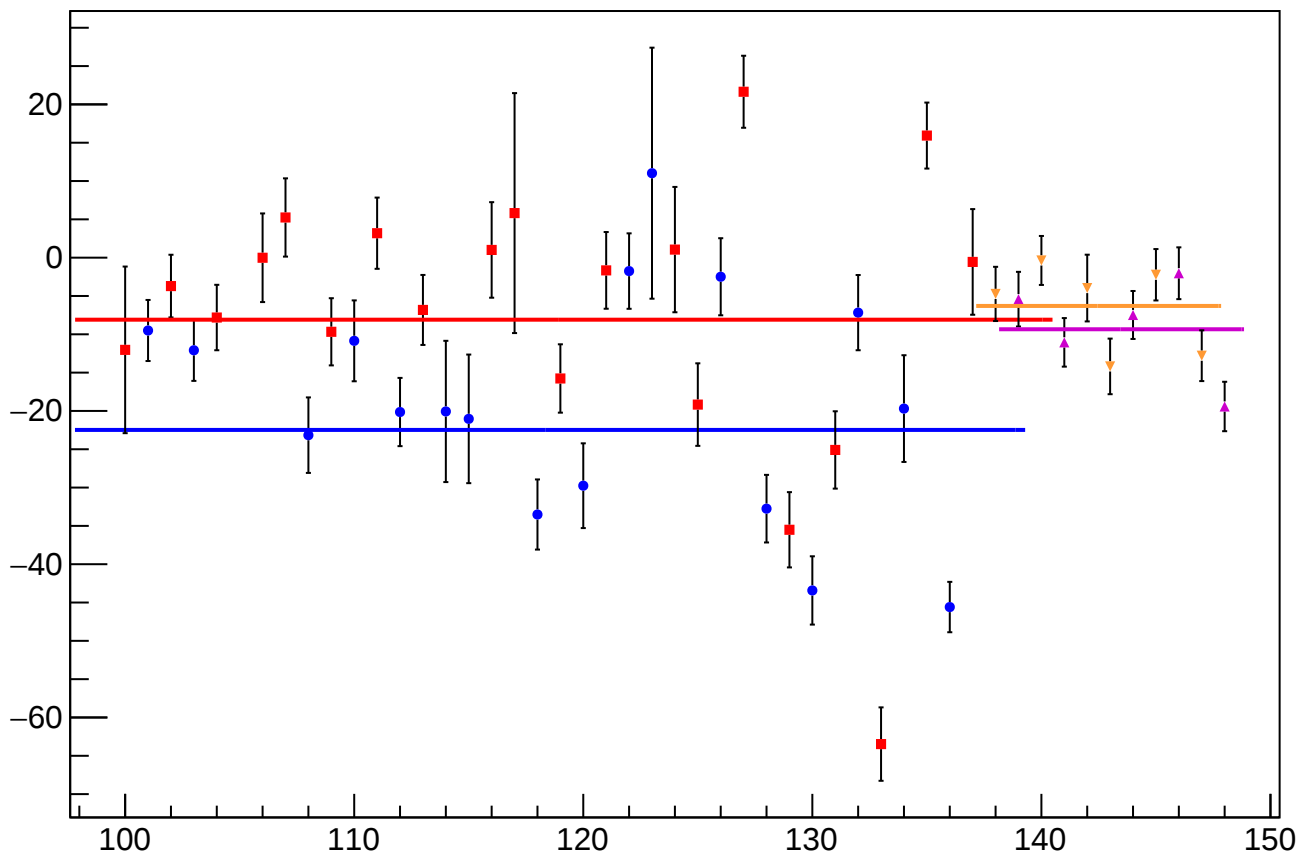
Right Out: 1816.748 ± 0.481 χ^2/NDF : 89149.7/19

Left In: 1724.604 ± 0.613 χ^2/NDF : 14053.7/4

1794.078 ± 0.385 χ^2/NDF : 124970.2/22

1781.602 ± 0.379 χ^2/NDF : 117175.6/24

diff_bpm0l01X_mean vs Slug



Right In: -22.477 ± 1.195 $\chi^2/\text{NDF}: 154.7/16$

Left Out: -6.299 ± 1.433 $\chi^2/\text{NDF}: 14.0/5$

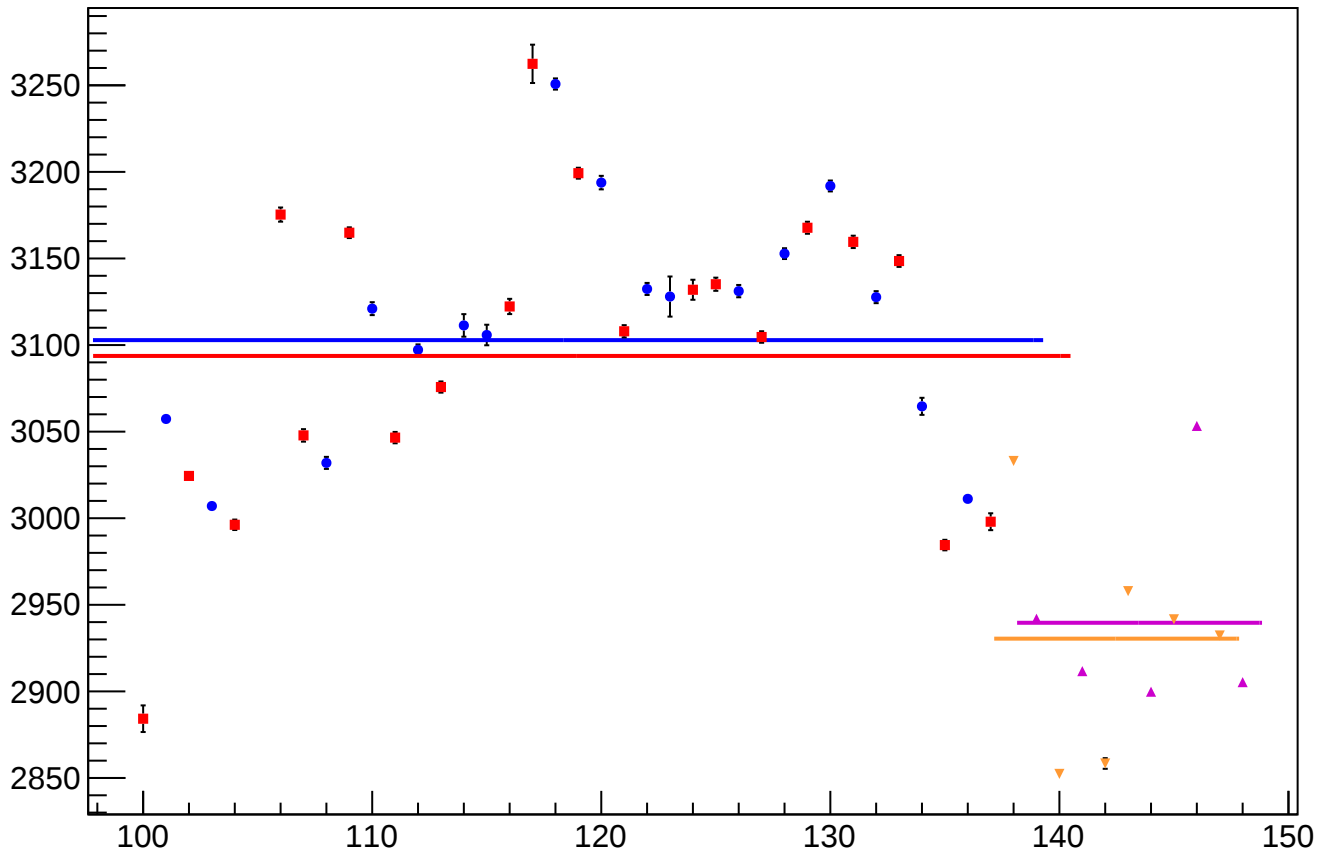
Right Out: -8.093 ± 1.153 $\chi^2/\text{NDF}: 277.7/19$

Left In: -9.343 ± 1.468 $\chi^2/\text{NDF}: 16.3/4$

-15.846 ± 0.918 $\chi^2/\text{NDF}: 243.9/22$

-8.570 ± 0.907 $\chi^2/\text{NDF}: 294.4/24$

diff_bpm0l01X_rms vs Slug



Right In: 3102.846 ± 0.845 χ^2/NDF : 7344.9/16

Left Out: 2930.456 ± 1.014 χ^2/NDF : 3562.6/5

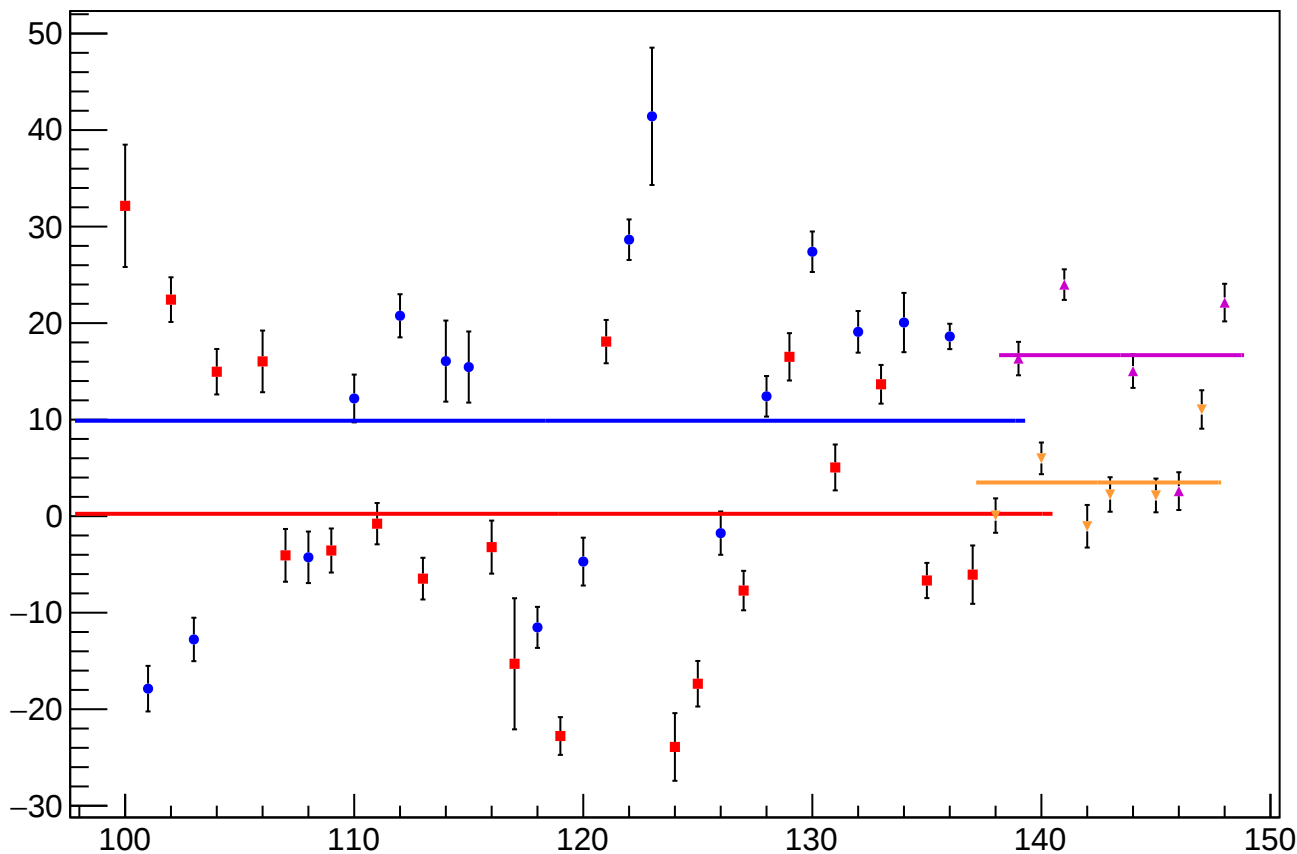
Right Out: 3093.715 ± 0.816 χ^2/NDF : 7996.8/19

Left In: 2939.623 ± 1.038 χ^2/NDF : 2969.2/4

3032.183 ± 0.649 χ^2/NDF : 27975.9/22

3034.898 ± 0.641 χ^2/NDF : 24592.1/24

diff_bpm0l01Y_mean vs Slug



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

Left Out: 3.491 $\pm$ 0.748 χ^2 /NDF: 25.7/5

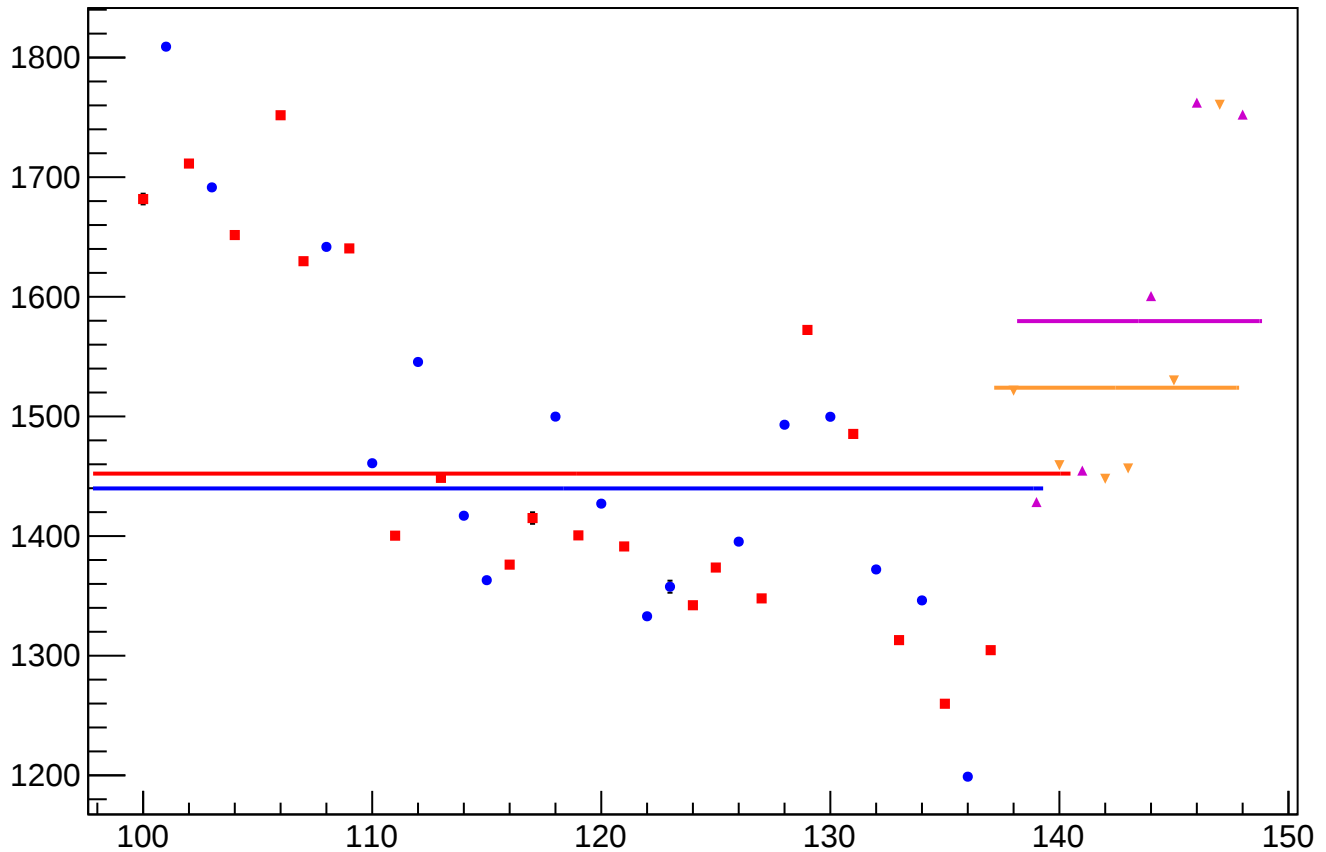
Right Out: 0.245 $\pm$ 0.545 χ^2 /NDF: 634.1/19

Left In: 16.681 $\pm$ 0.794 χ^2 /NDF: 81.9/4

7.594 $\pm$ 0.448 χ^2 /NDF: 776.2/22

5.513 $\pm$ 0.449 χ^2 /NDF: 1007.4/24

diff_bpm0l01Y_rms vs Slug



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

Left Out: 1524.013 $\pm$ 0.529 χ^2 /NDF: 36607.8/5

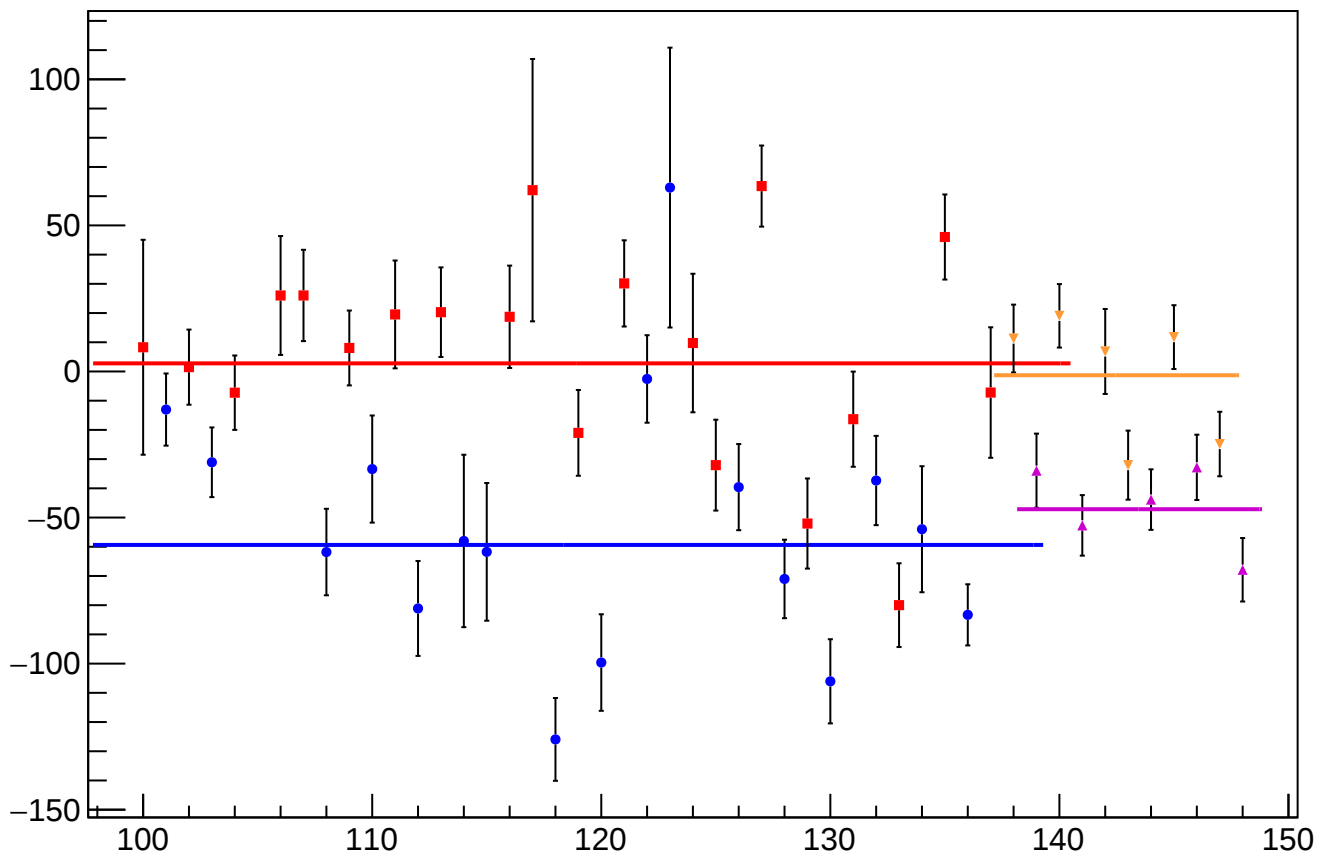
Right Out: 1452.211 $\pm$ 0.385 χ^2 /NDF: 138579.9/19

Left In: 1579.687 $\pm$ 0.561 χ^2 /NDF: 61103.2/4

1470.003 $\pm$ 0.317 χ^2 /NDF: 225664.0/22

1493.064 $\pm$ 0.318 χ^2 /NDF: 234734.0/24

diff_bpm0l02X_mean vs Slug



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

Left Out: -1.294+/-4.748 χ^2/NDF : 17.7/5

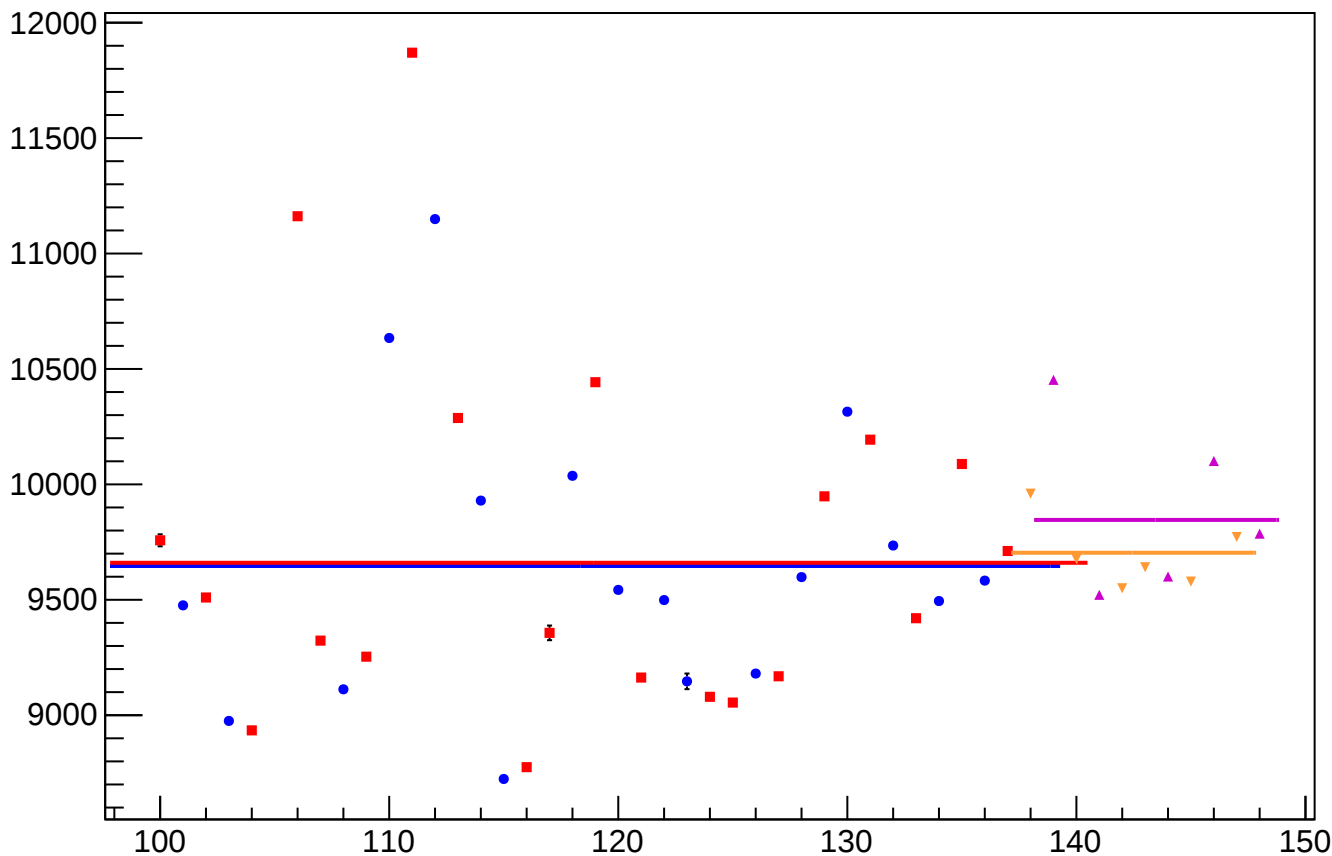
Right Out: 2.776+/-3.618 χ^2/NDF : 95.7/19

Left In: -47.147+/-4.920 χ^2/NDF : 6.8/4

-37.216+/-2.933 χ^2/NDF : 203.2/22

-14.745+/-2.915 χ^2/NDF : 169.3/24

diff_bpm0l02X_rms vs Slug



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

Left Out: 9703.918 ± 3.357 χ^2/NDF : 1601.7/5

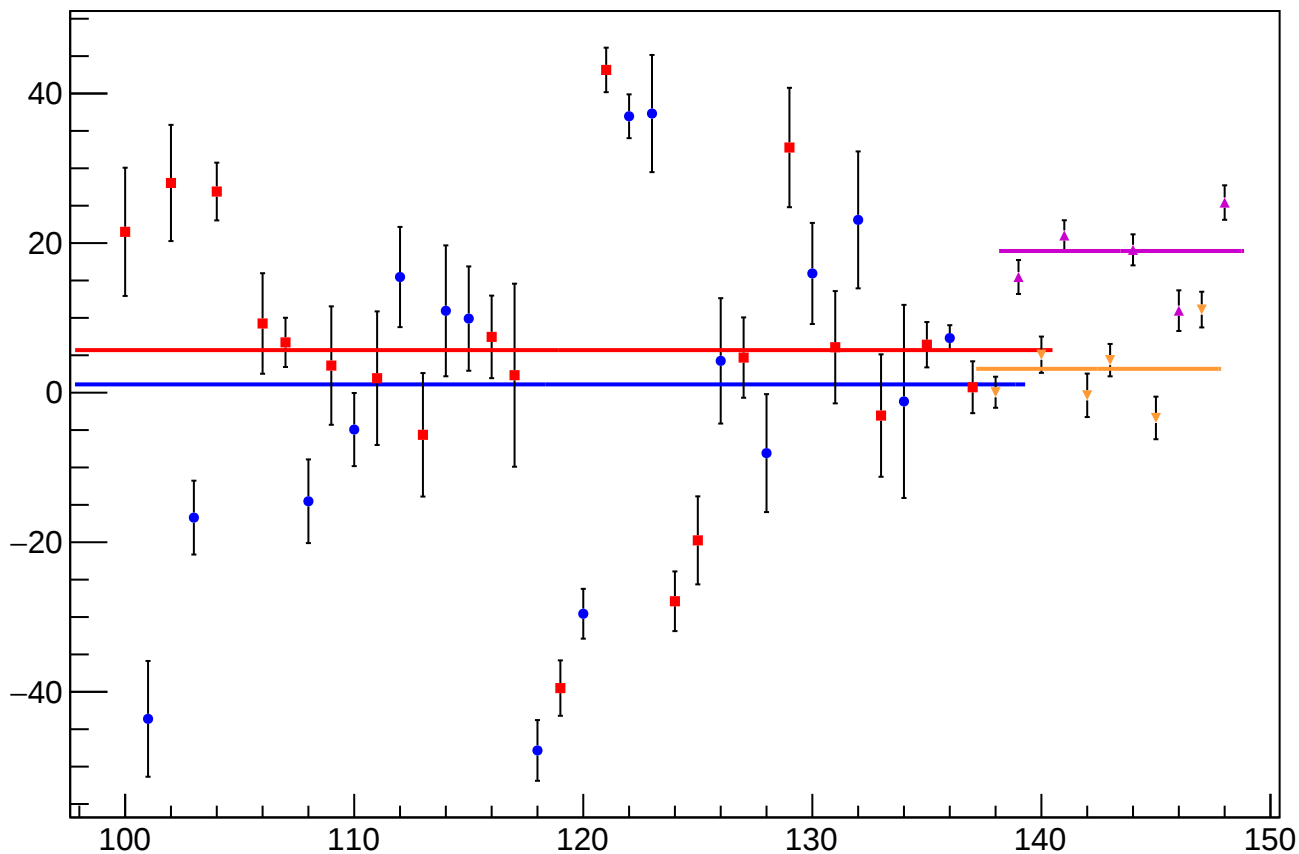
Right Out: 9660.380 ± 2.558 χ^2/NDF : 77676.0/19

Left In: 9846.019 ± 3.479 χ^2/NDF : 8755.3/4

9668.393 ± 2.074 χ^2/NDF : 45843.0/22

9725.532 ± 2.061 χ^2/NDF : 88279.4/24

diff_bpm0l02Y_mean vs Slug



Right In: 1.106 $\pm$ 1.066 χ^2/NDF : 489.7/16

Left Out: 3.190 $\pm$ 0.984 χ^2/NDF : 21.0/5

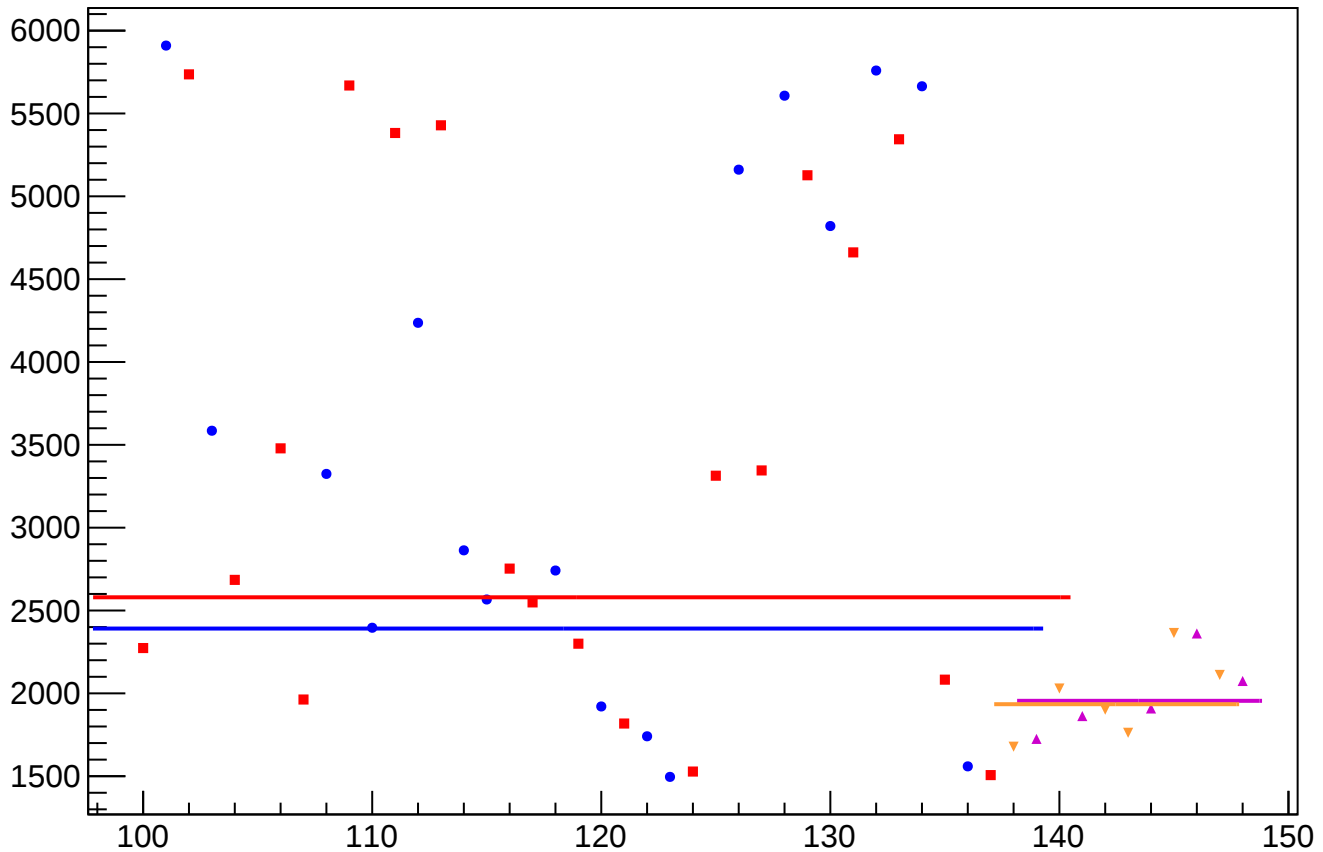
Right Out: 5.689 $\pm$ 1.087 χ^2/NDF : 456.0/19

Left In: 18.945 $\pm$ 1.004 χ^2/NDF : 19.9/4

2.232 $\pm$ 0.723 χ^2/NDF : 512.7/22

12.842 $\pm$ 0.737 χ^2/NDF : 556.2/24

diff_bpm0l02Y_rms vs Slug



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

Left Out: 1934.562+/-0.696 χ^2/NDF : 103070.8/5

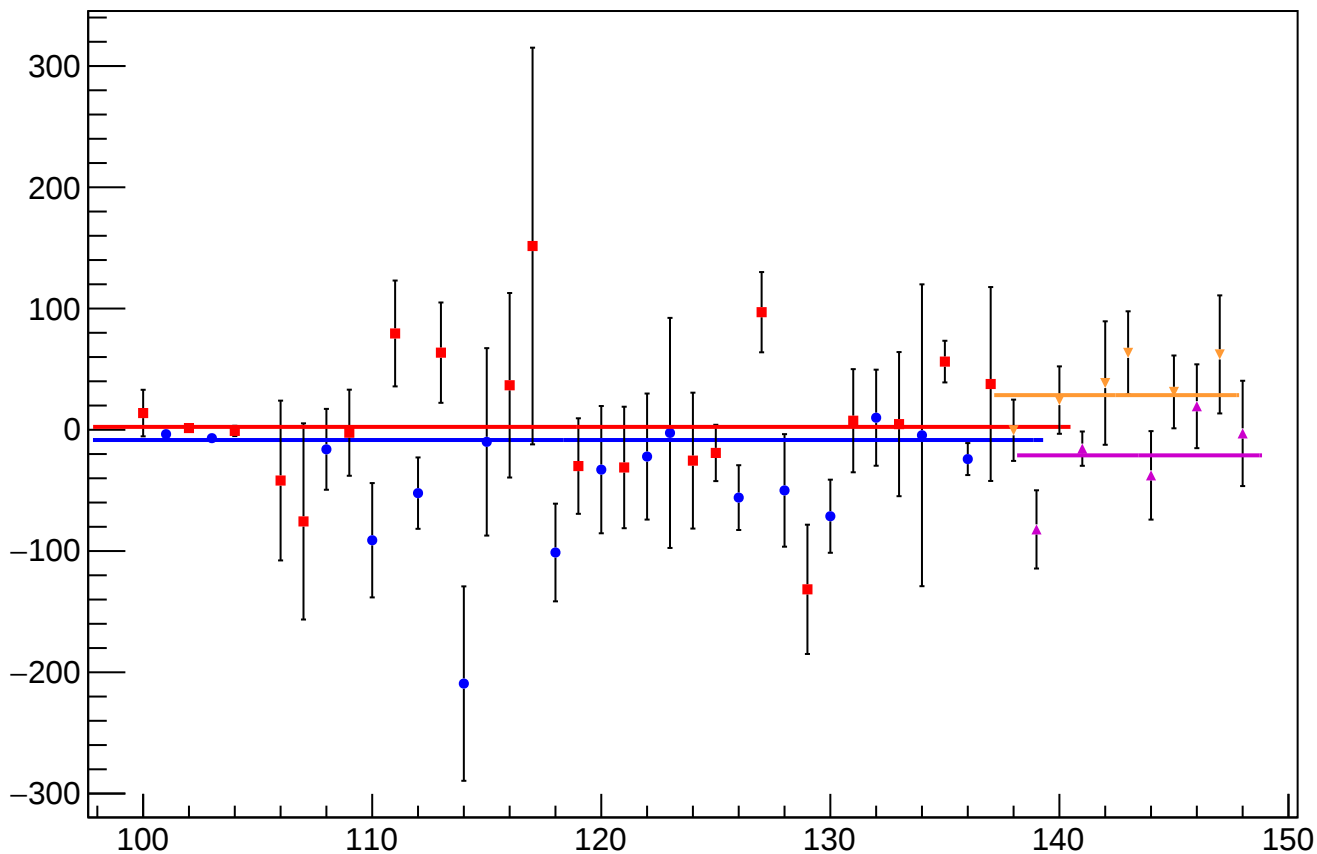
Right Out: 2579.794+/-0.768 χ^2/NDF : 2365284.2/19

Left In: 1954.939+/-0.710 χ^2/NDF : 75796.0/4

2144.561+/-0.511 χ^2/NDF : 2901620.5/22

2242.609+/-0.521 χ^2/NDF : 2797841.1/24

diff_bpm0l03X_mean vs Slug



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

Left Out: 28.581 ± 13.329 $\chi^2/\text{NDF}: 2.9/5$

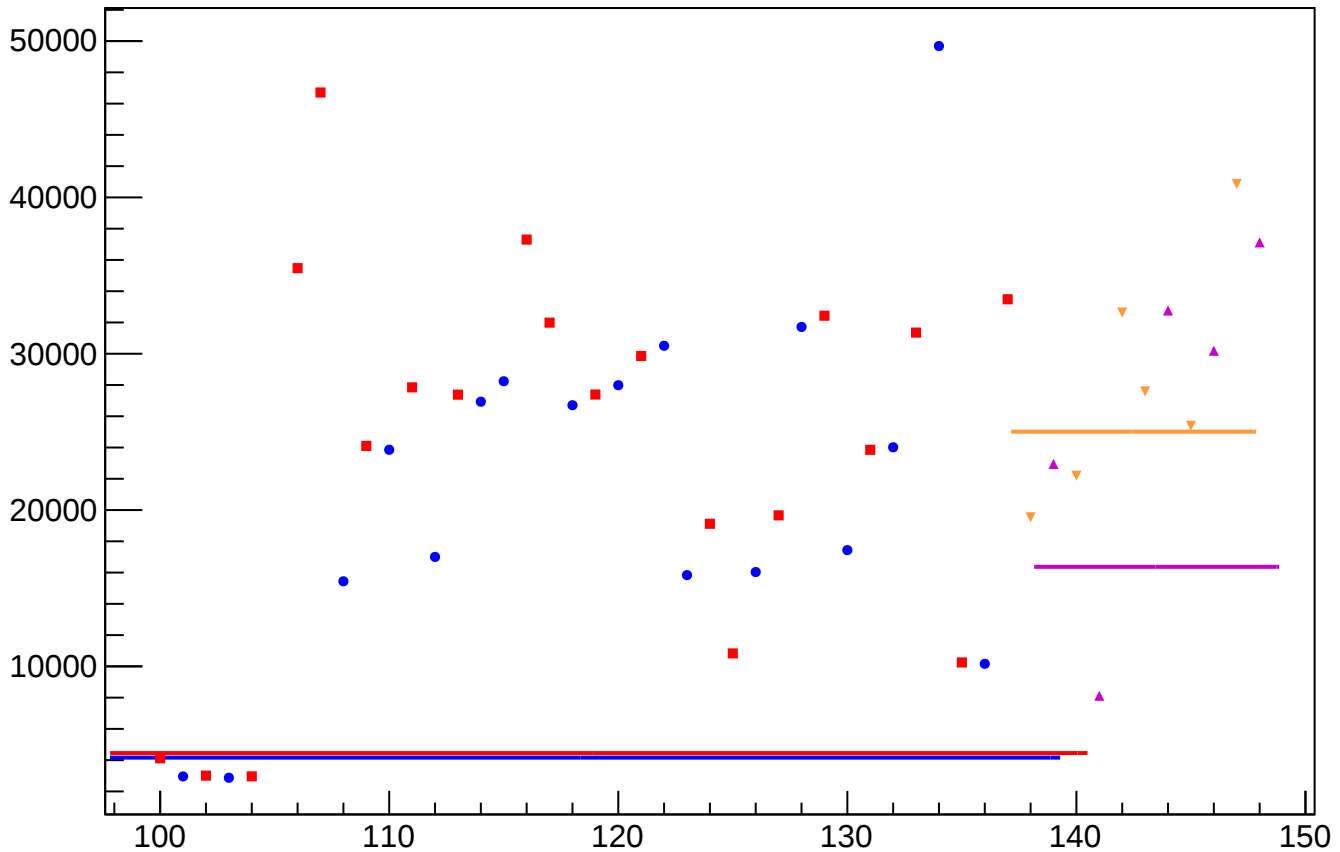
Right Out: 2.392 ± 2.786 $\chi^2/\text{NDF}: 35.5/19$

Left In: -21.080 ± 11.128 $\chi^2/\text{NDF}: 5.5/4$

-7.086 ± 2.540 $\chi^2/\text{NDF}: 39.2/22$

1.007 ± 2.703 $\chi^2/\text{NDF}: 45.2/24$

diff_bpm0l03X_rms vs Slug



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

Left Out: 25015.405+/-9.425 χ^2/NDF : 382914.2/5

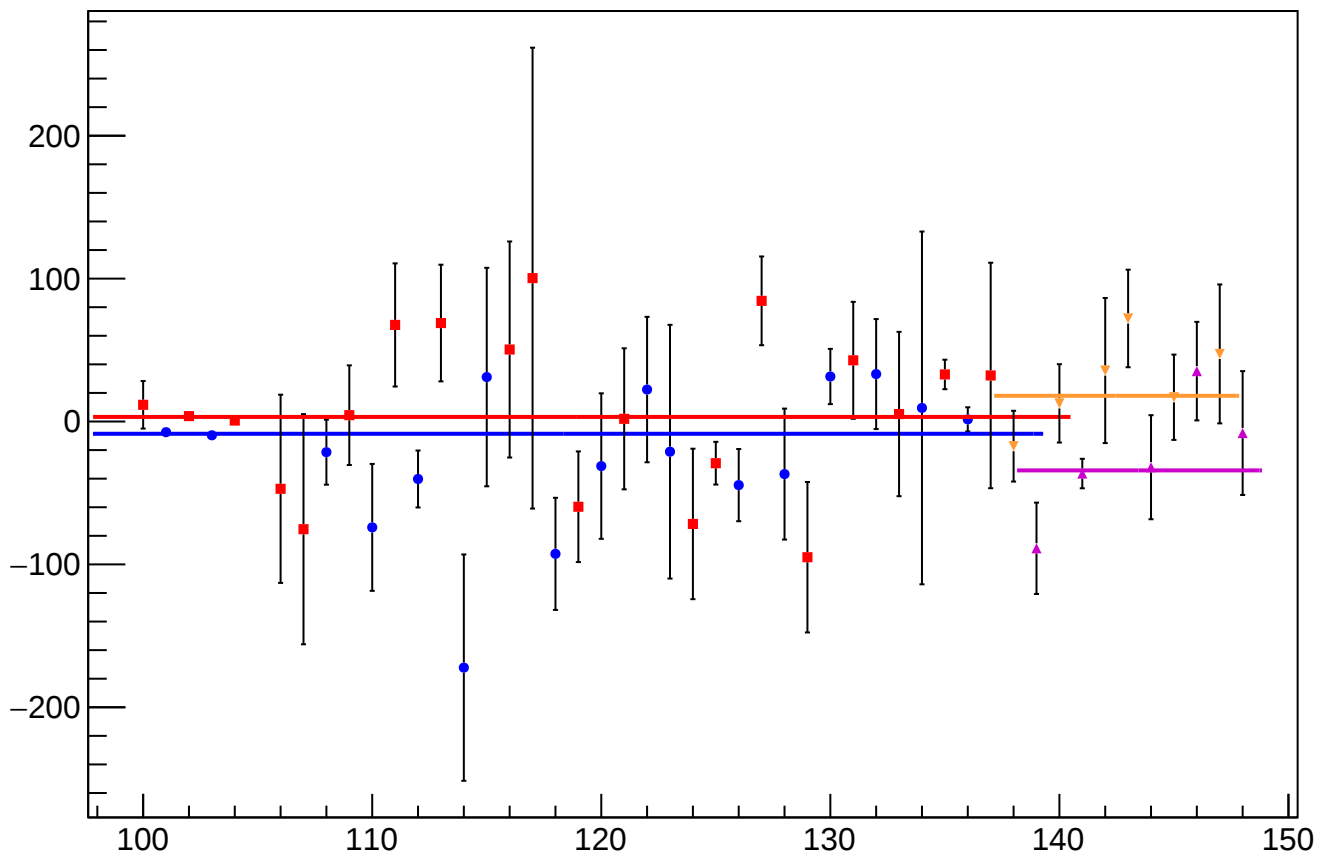
Right Out: 4455.114+/-1.970 χ^2/NDF : 7483602.5/19

Left In: 16368.039+/-7.869 χ^2/NDF : 1943654.0/4

4919.617+/-1.796 χ^2/NDF : 11090710.0/22

5157.956+/-1.911 χ^2/NDF : 11584062.3/24

diff_bpm0l03Y_mean vs Slug



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

Left Out: 17.999 ± 13.186 χ^2/NDF : 5.1/5

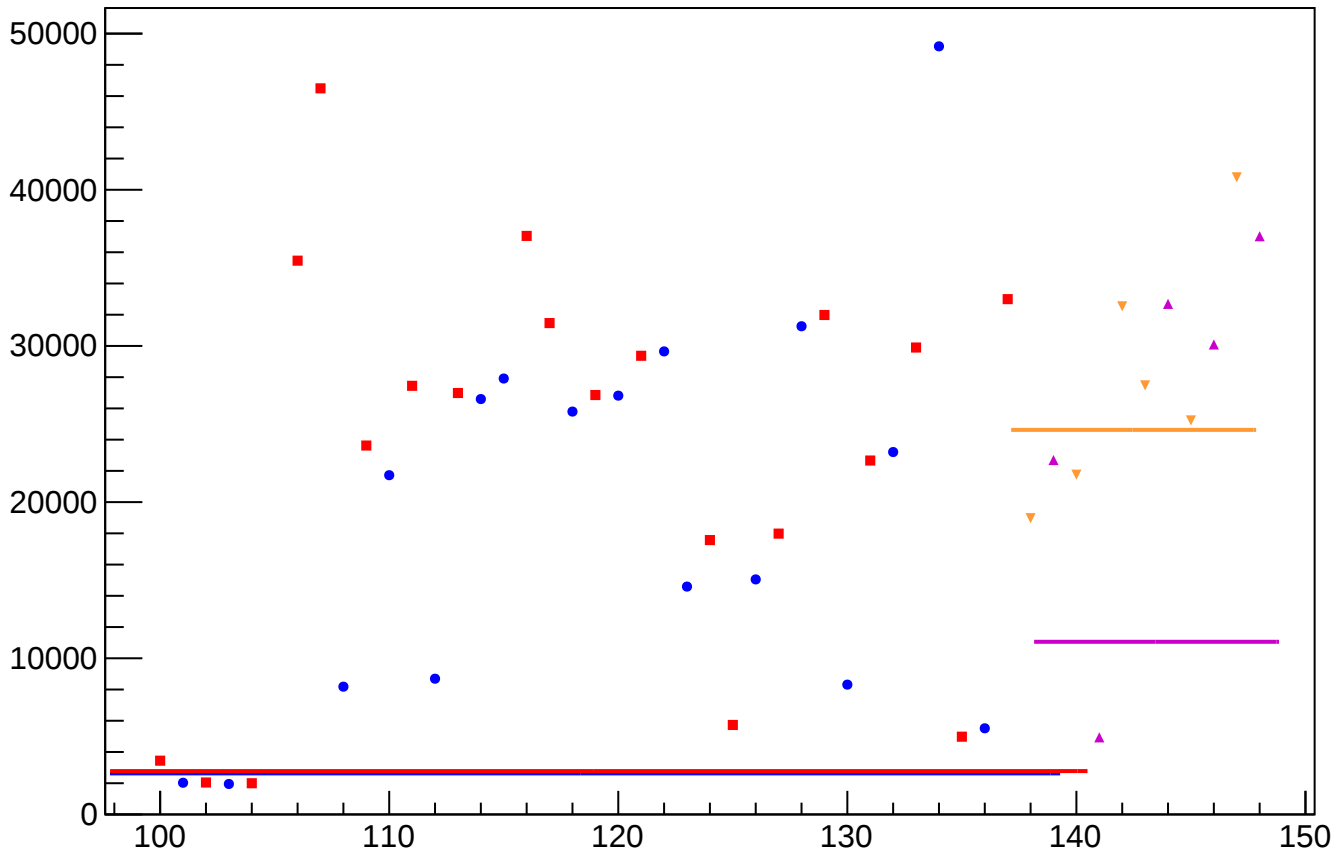
Right Out: 3.208 ± 1.922 χ^2/NDF : 37.2/19

Left In: -34.221 ± 8.940 χ^2/NDF : 7.4/4

-8.112 ± 1.762 χ^2/NDF : 33.5/22

1.554 ± 1.879 χ^2/NDF : 61.4/24

diff_bpm0l03Y_rms vs Slug



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

Left Out: 24626.326+/-9.324 χ^2/NDF : 410776.2/5

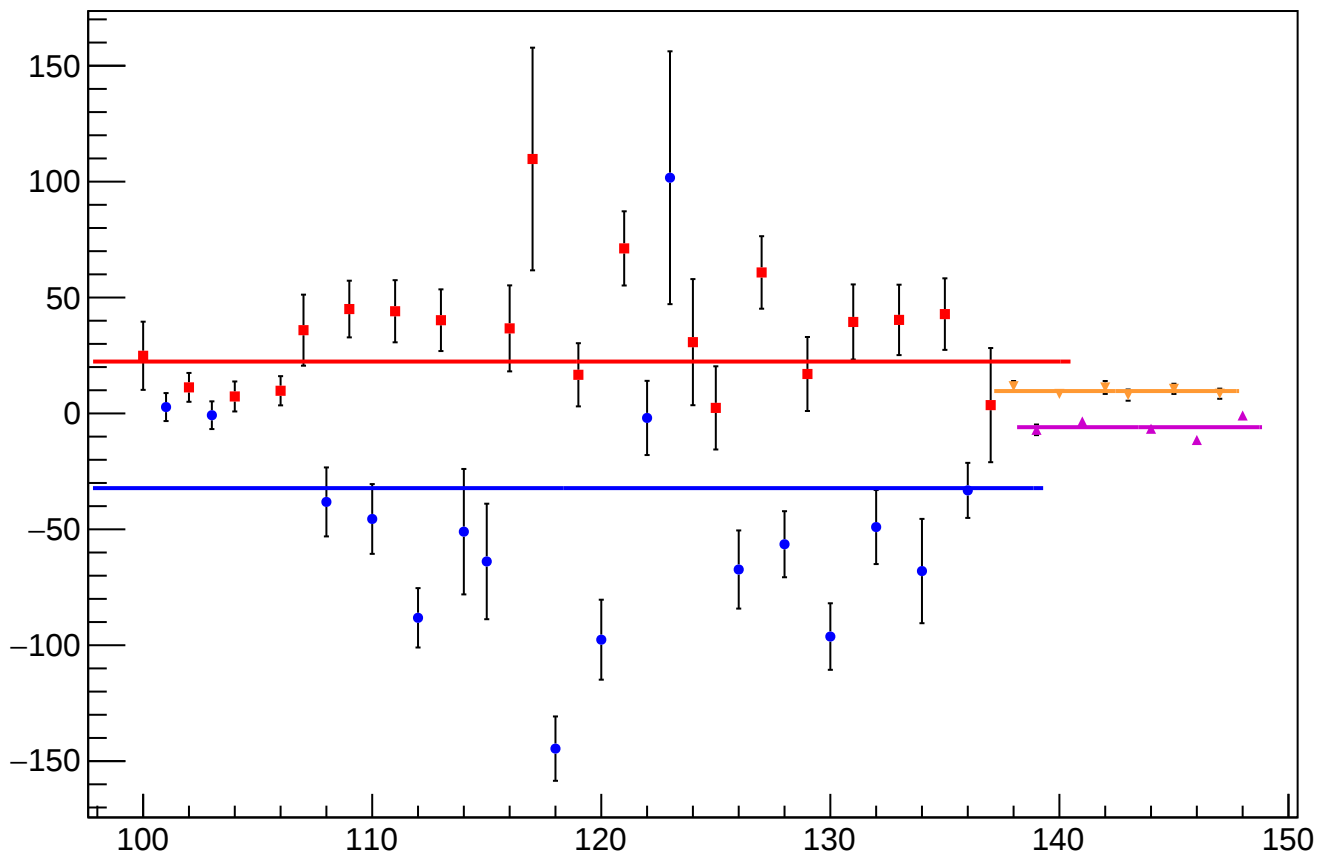
Right Out: 2777.521+/-1.359 χ^2/NDF : 7899165.0/19

Left In: 11056.243+/-6.322 χ^2/NDF : 3003912.2/4

3023.237+/-1.246 χ^2/NDF : 11465854.7/22

3143.287+/-1.329 χ^2/NDF : 12542321.8/24

diff_bpm0l04X_mean vs Slug



Right In: -32.222 ± 2.981 $\chi^2/\text{NDF}: 203.7/16$

Left Out: 9.653 ± 0.940 $\chi^2/\text{NDF}: 2.5/5$

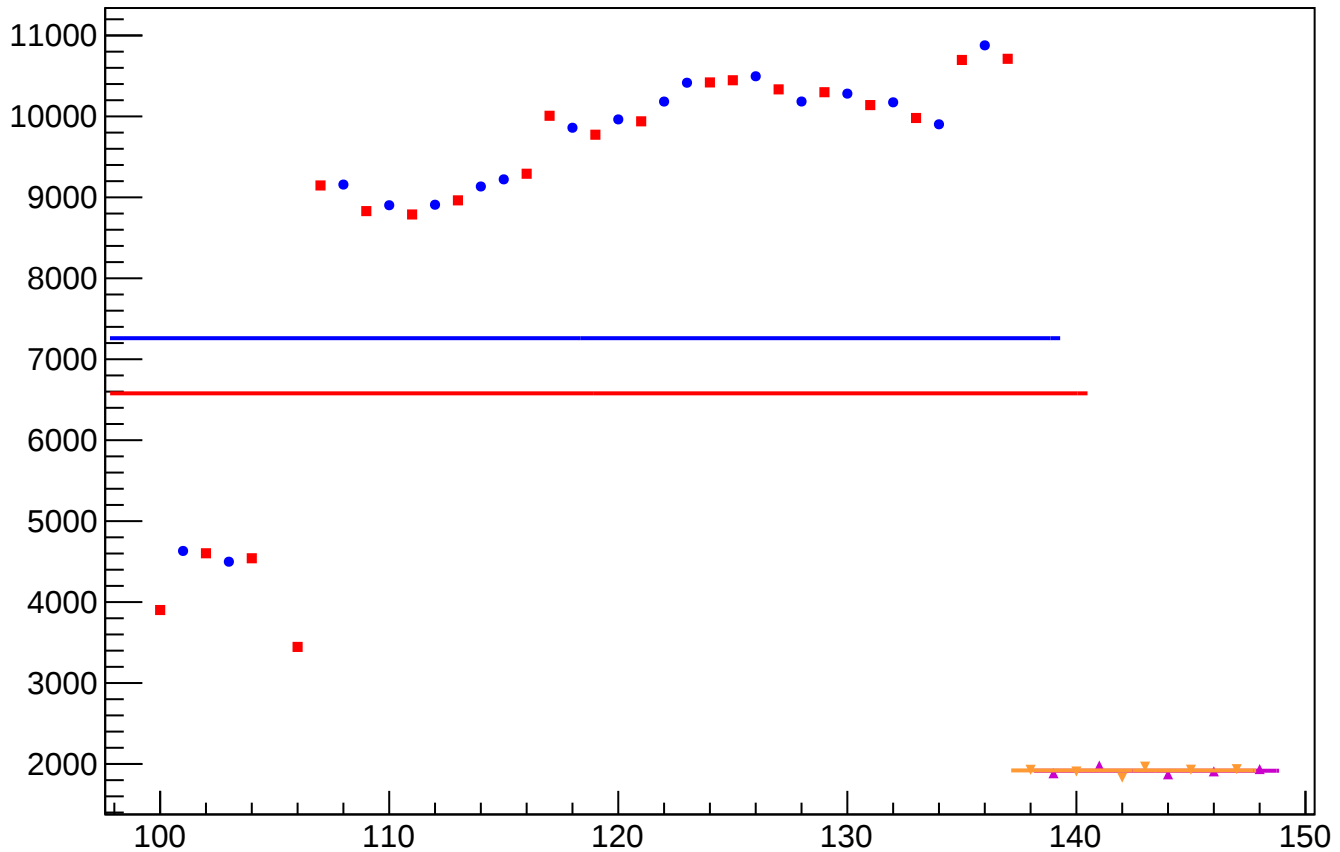
Right Out: 22.381 ± 2.665 $\chi^2/\text{NDF}: 47.0/19$

Left In: -5.932 ± 0.958 $\chi^2/\text{NDF}: 14.0/4$

5.868 ± 0.896 $\chi^2/\text{NDF}: 385.6/22$

-2.695 ± 0.901 $\chi^2/\text{NDF}: 161.0/24$

diff_bpm0l04X_rms vs Slug



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

Left Out: 1920.318+/-0.665 χ^2/NDF : 3019.0/5

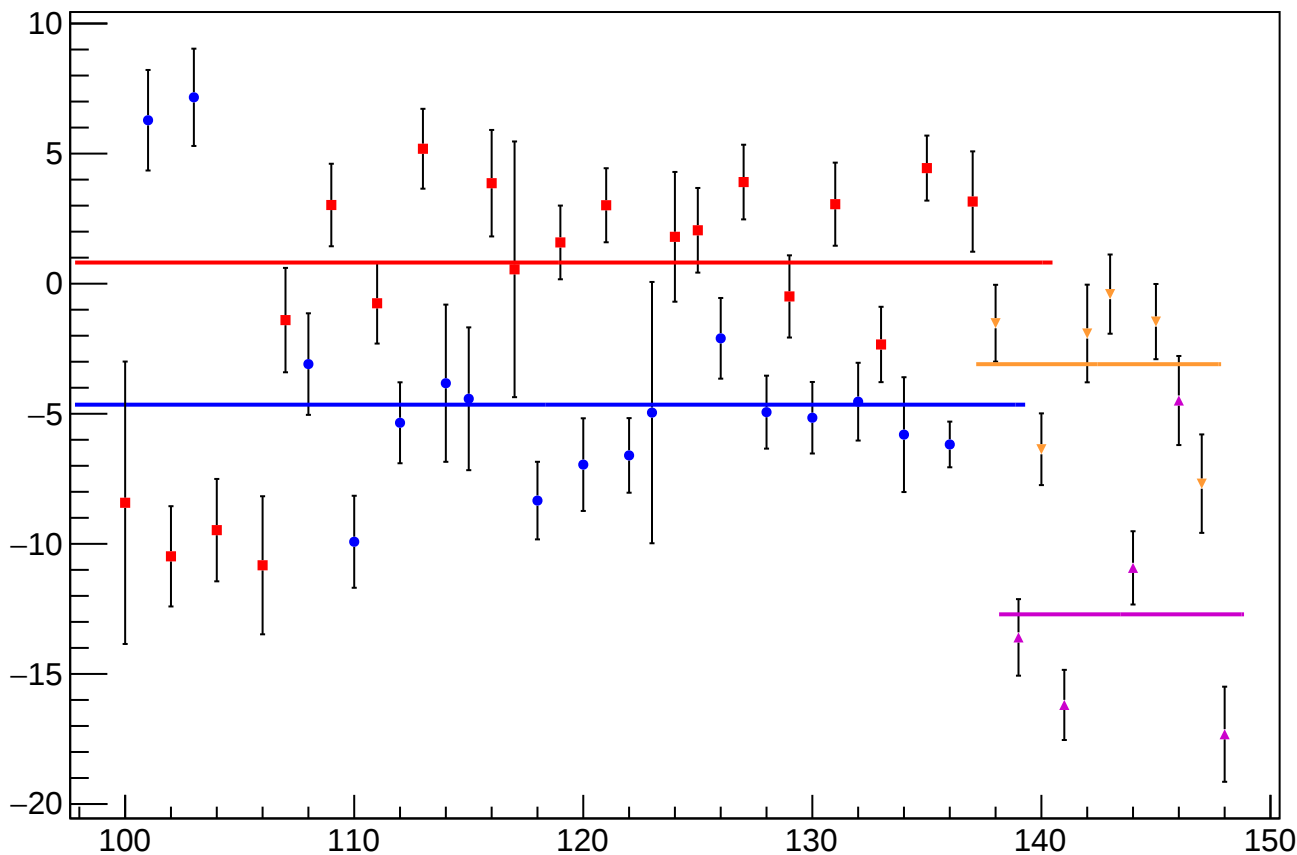
2402.896+/-0.634 χ^2/NDF : 7475141.0/22

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

2449.520+/-0.637 χ^2/NDF : 7630694.5/24

Left In: 1916.416+/-0.677 χ^2/NDF : 3292.4/4

diff_bpm0l04Y_mean vs Slug



Right In: -4.651 ± 0.393 $\chi^2/\text{NDF}: 97.6/16$

Left Out: -3.094 ± 0.638 $\chi^2/\text{NDF}: 17.5/5$

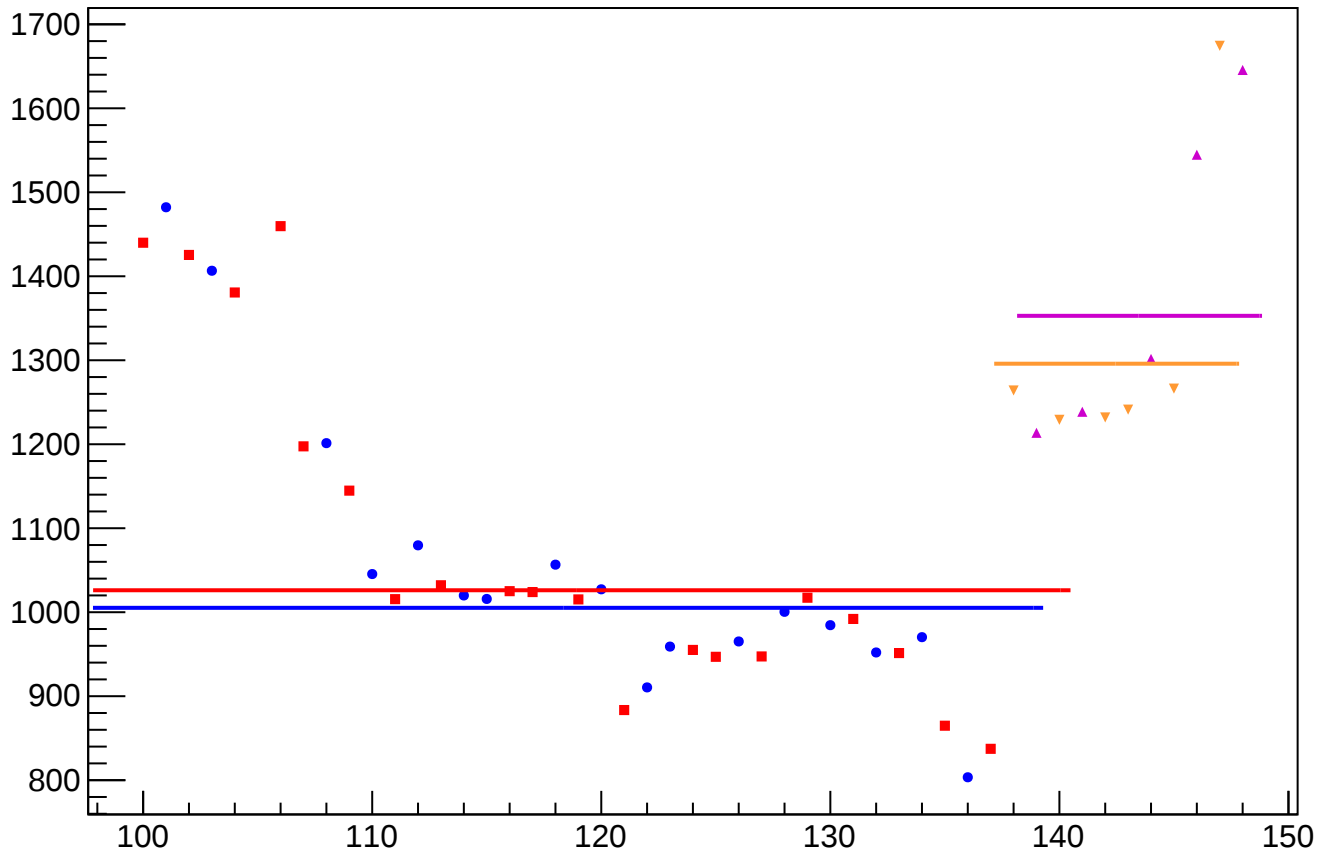
Right Out: 0.813 ± 0.387 $\chi^2/\text{NDF}: 123.7/19$

Left In: -12.709 ± 0.681 $\chi^2/\text{NDF}: 38.0/4$

-4.223 ± 0.334 $\chi^2/\text{NDF}: 119.3/22$

-2.493 ± 0.337 $\chi^2/\text{NDF}: 459.7/24$

diff_bpm0l04Y_rms vs Slug



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

Left Out: 1295.889 $\pm$ 0.451 χ^2 /NDF: 91406.0/5

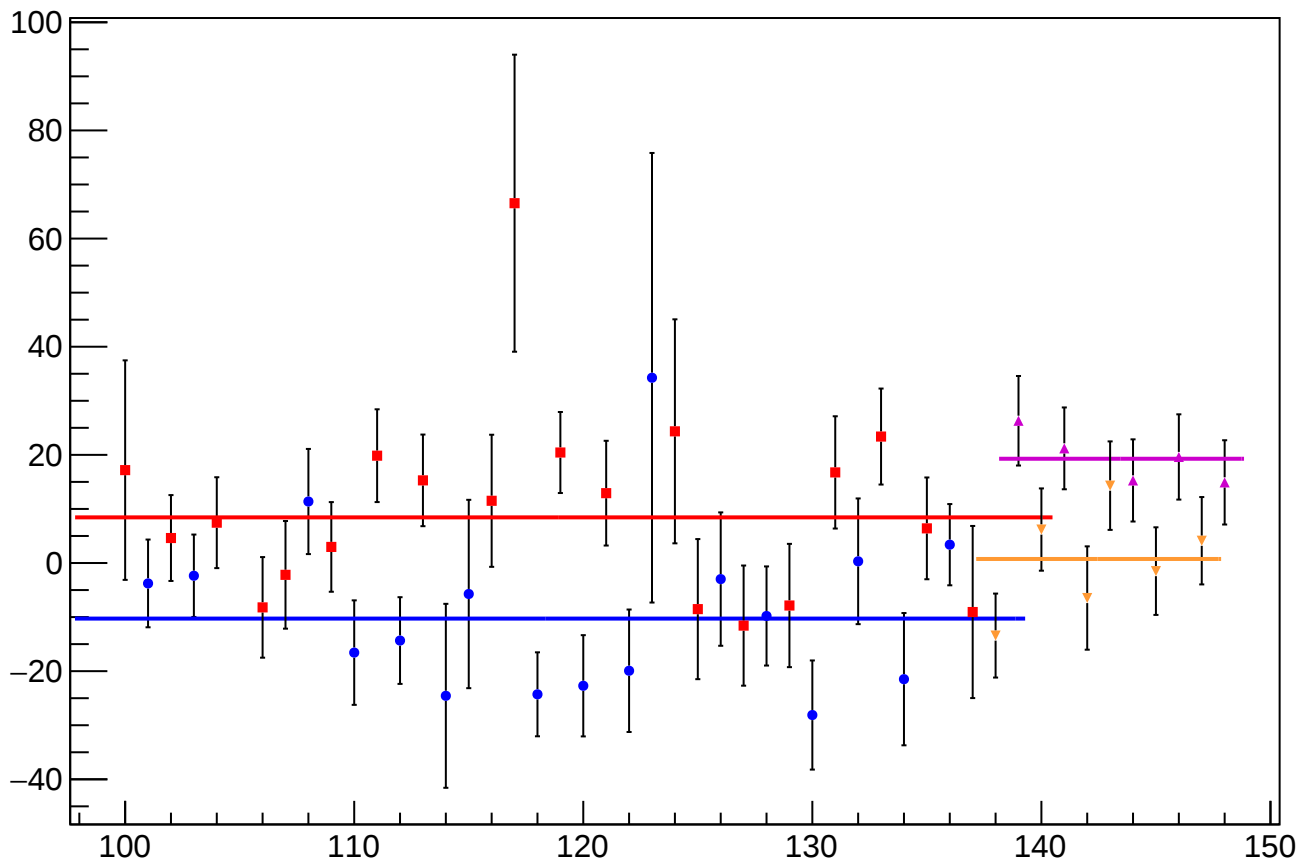
Right Out: 1026.145 $\pm$ 0.274 χ^2 /NDF: 333119.4/19

Left In: 1352.908 $\pm$ 0.481 χ^2 /NDF: 111349.8/4

1085.108 $\pm$ 0.236 χ^2 /NDF: 754594.1/22

1106.022 $\pm$ 0.238 χ^2 /NDF: 792491.6/24

diff_bpm0l05X_mean vs Slug



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

Left Out: 0.747 ± 3.328 $\chi^2/\text{NDF}: 7.4/5$

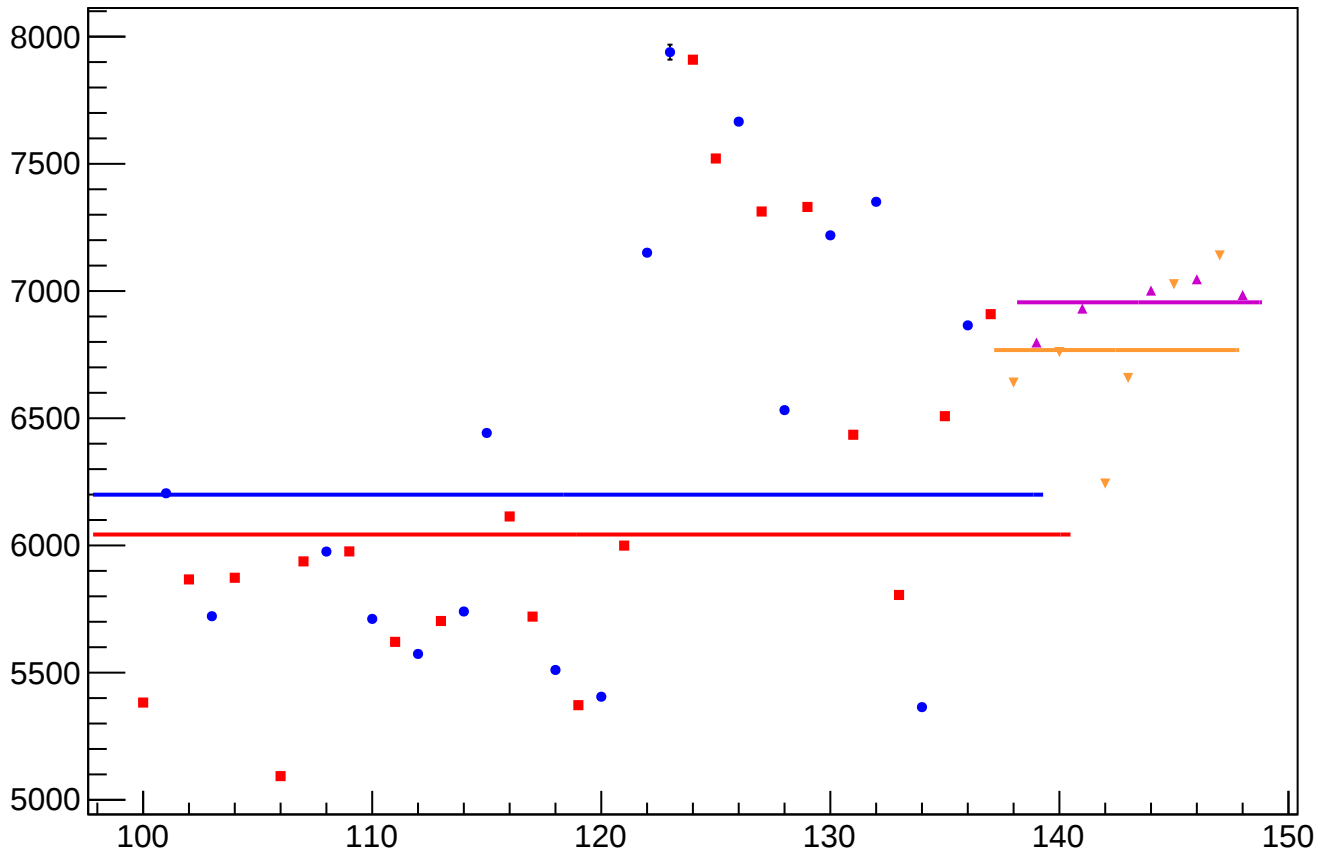
Right Out: 8.441 ± 2.271 $\chi^2/\text{NDF}: 27.3/19$

Left In: 19.281 ± 3.494 $\chi^2/\text{NDF}: 1.4/4$

-6.489 ± 1.951 $\chi^2/\text{NDF}: 38.1/22$

11.660 ± 1.904 $\chi^2/\text{NDF}: 35.4/24$

diff_bpm0l05X_rms vs Slug



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

Left Out: 6768.004 $\pm$ 2.353 χ^2/NDF :13219.4/5

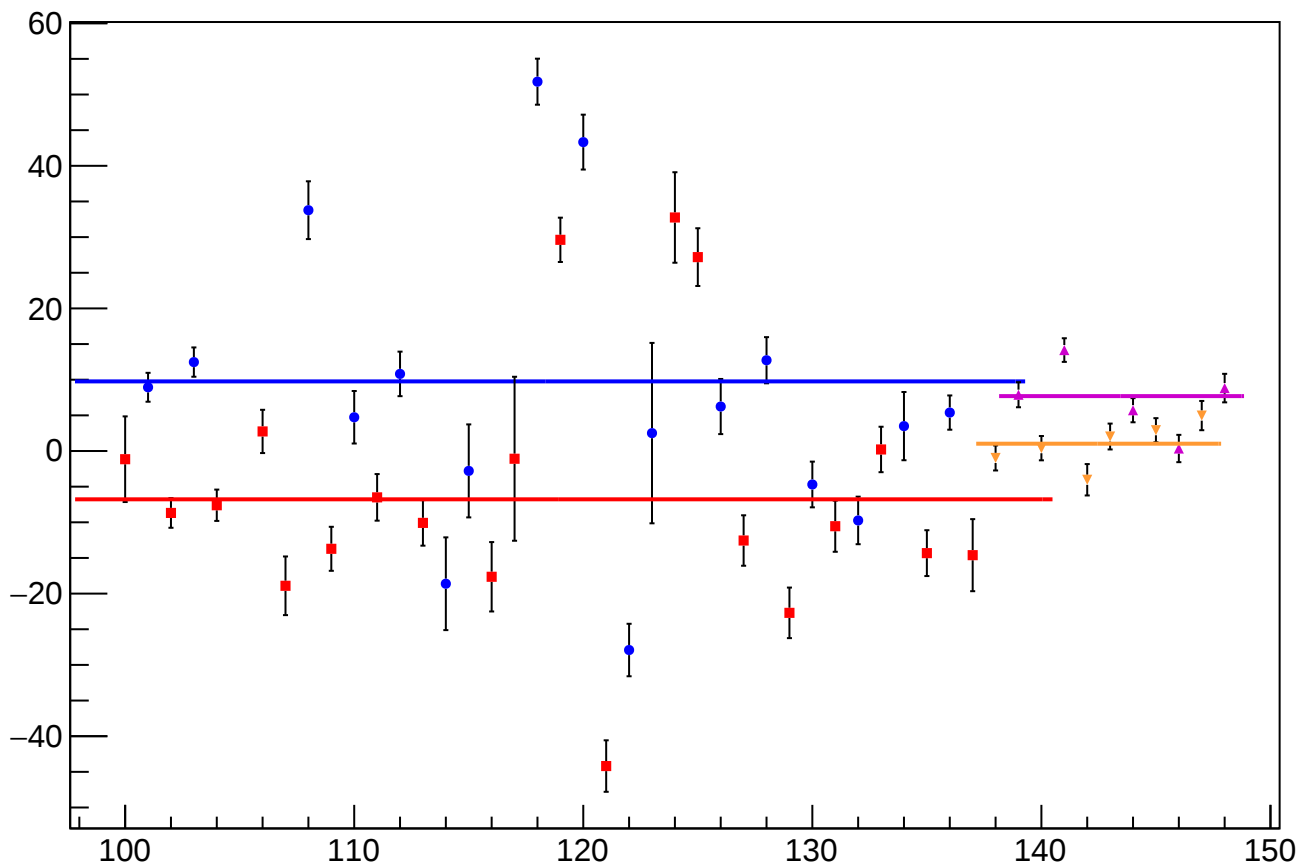
Right Out: 6042.952 $\pm$ 1.606 χ^2/NDF : 158600.9/19

Left In: 6955.682 $\pm$ 2.470 χ^2/NDF :1113.1/4

6394.946 $\pm$ 1.379 χ^2/NDF : 223279.5/22

6314.009 $\pm$ 1.346 χ^2/NDF : 255685.8/24

diff_bpm0l05Y_mean vs Slug



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

Left Out: 1.024 ± 0.752 χ^2/NDF : 12.0/5

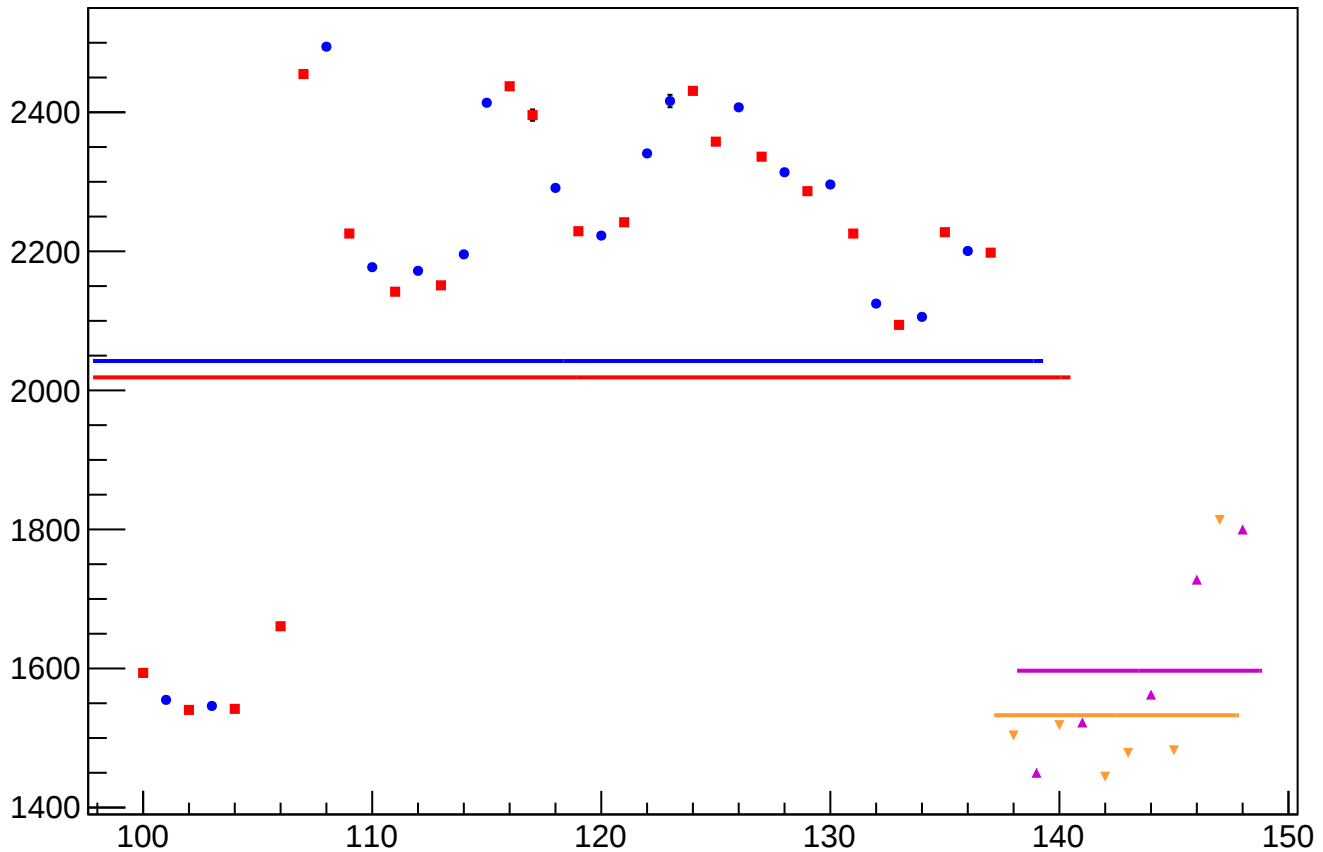
Right Out: -6.776 ± 0.763 χ^2/NDF : 422.1/19

Left In: 7.701 ± 0.801 χ^2/NDF : 31.6/4

5.144 ± 0.547 χ^2/NDF : 549.3/22

0.113 ± 0.552 χ^2/NDF : 624.9/24

diff_bpm0l05Y_rms vs Slug



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

Left Out: 1532.764 ± 0.532 χ^2/NDF : 45002.8/5

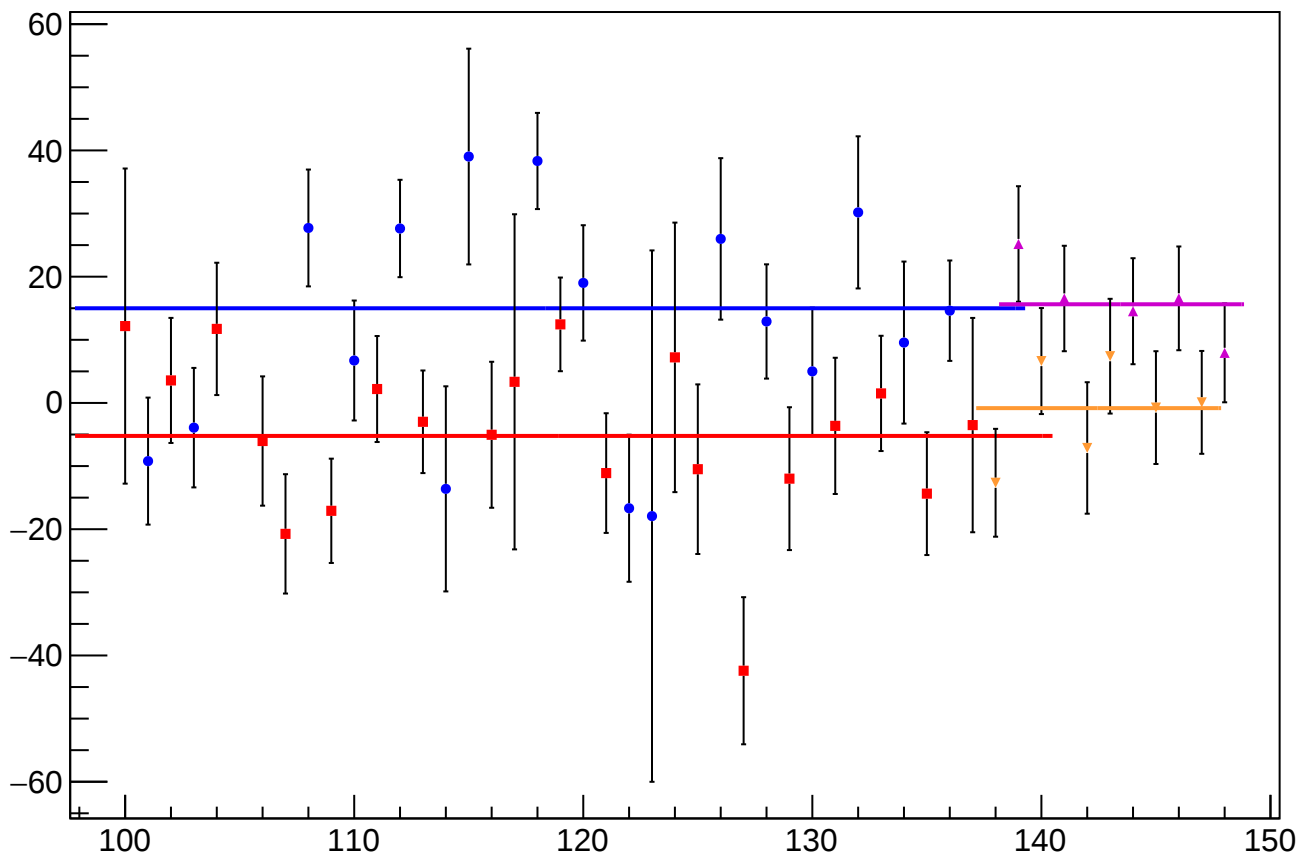
Right Out: 2018.694 ± 0.540 χ^2/NDF : 377792.4/19

Left In: 1596.794 ± 0.566 χ^2/NDF : 48787.0/4

1772.908 ± 0.387 χ^2/NDF : 834103.4/22

1817.940 ± 0.391 χ^2/NDF : 717497.4/24

diff_bpm0l06X_mean vs Slug



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

Left Out: -0.822 ± 3.608 $\chi^2/\text{NDF}: 3.9/5$

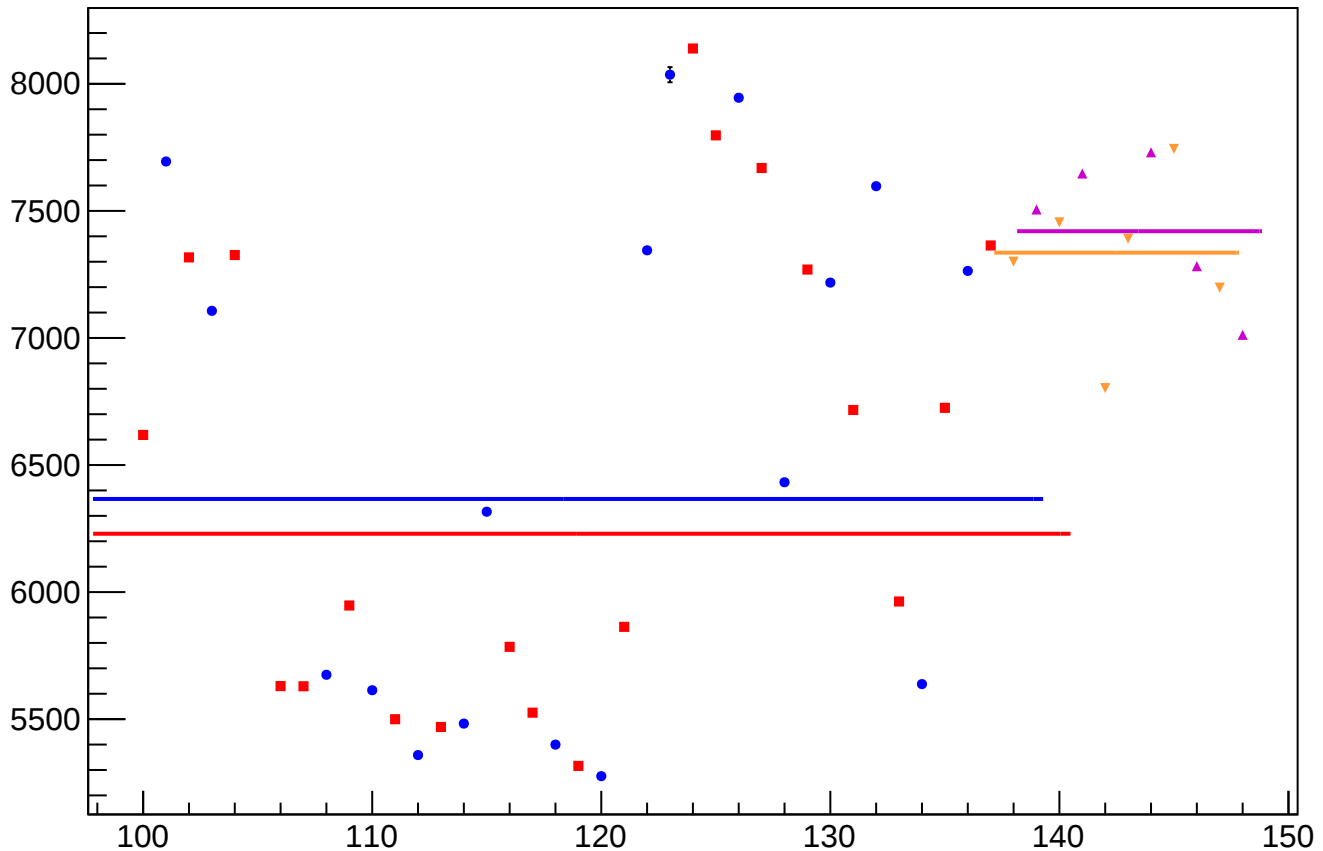
Right Out: -5.223 ± 2.348 $\chi^2/\text{NDF}: 28.2/19$

Left In: 15.630 ± 3.738 $\chi^2/\text{NDF}: 2.1/4$

9.906 ± 2.047 $\chi^2/\text{NDF}: 58.3/22$

0.678 ± 1.988 $\chi^2/\text{NDF}: 52.6/24$

diff_bpm0l06X_rms vs Slug



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

Left Out: 7335.668+/-2.551 χ^2/NDF :10502.2/5

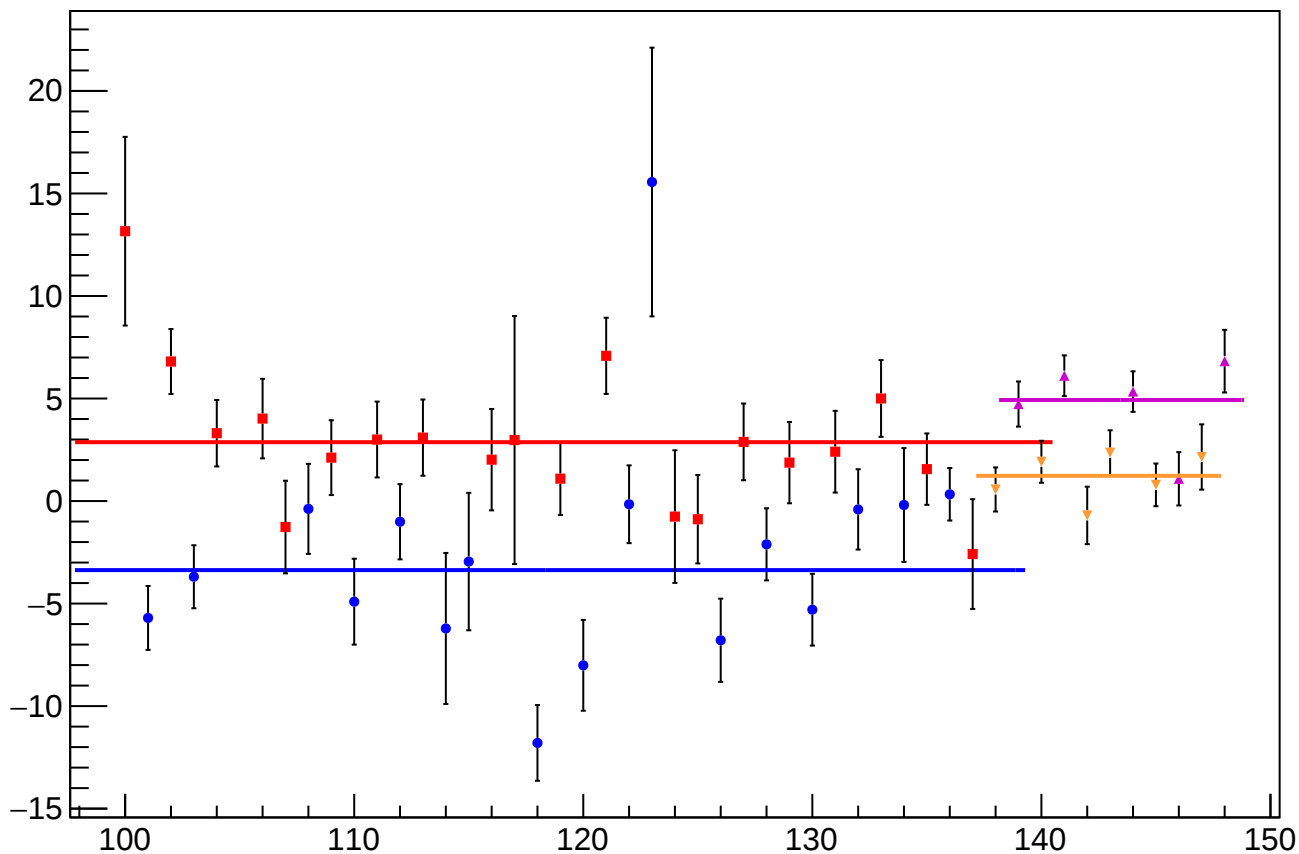
Right Out: 6229.625+/-1.660 χ^2/NDF : 244622.7/19

Left In: 7420.105+/-2.643 χ^2/NDF :10369.8/4

6678.366+/-1.447 χ^2/NDF : 394867.5/22

6566.505+/-1.406 χ^2/NDF : 400463.7/24

diff_bpm0l06Y_mean vs Slug



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

Left Out: 1.229 ± 0.472 χ^2/NDF : 4.3/5

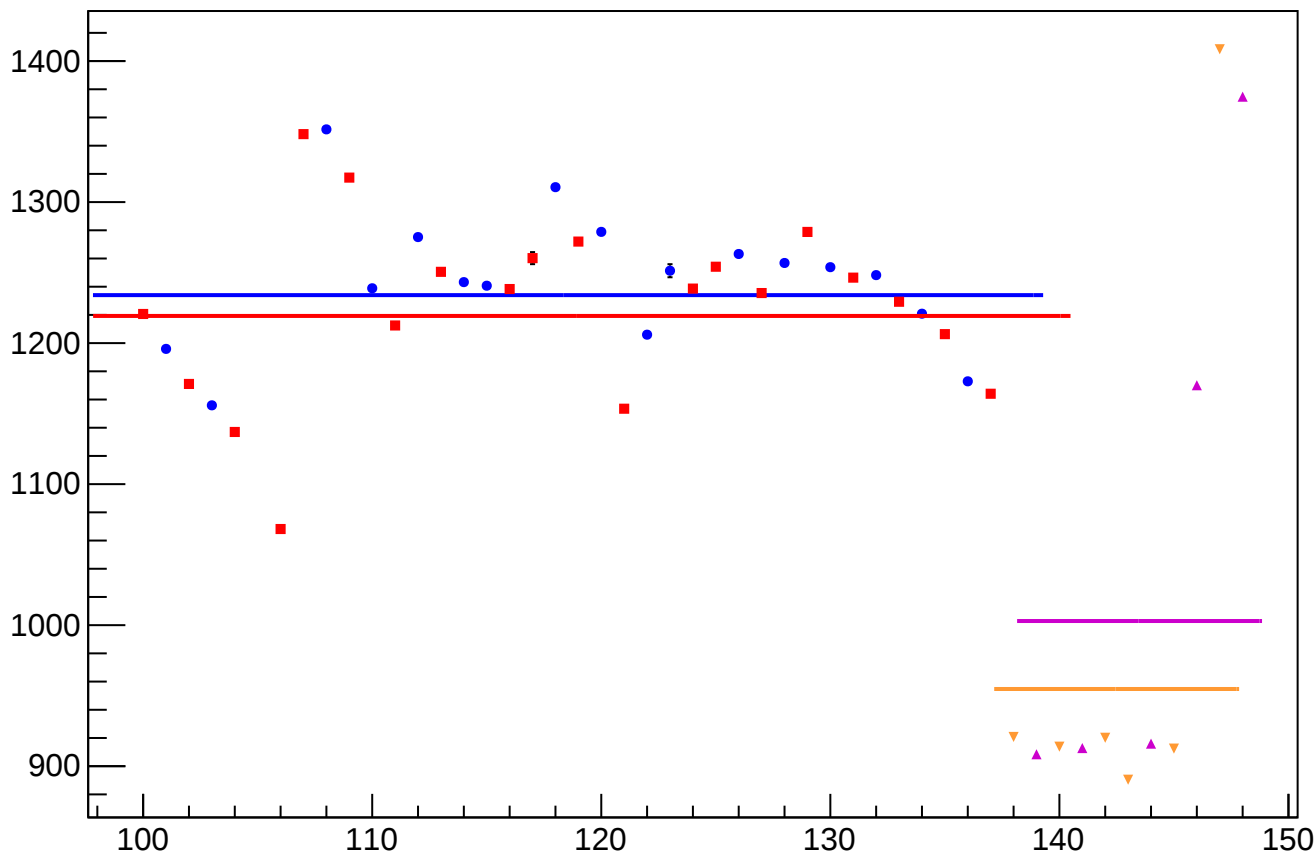
Right Out: 2.871 ± 0.455 χ^2/NDF : 32.0/19

Left In: 4.927 ± 0.508 χ^2/NDF : 11.9/4

-1.054 ± 0.335 χ^2/NDF : 111.3/22

3.787 ± 0.339 χ^2/NDF : 53.0/24

diff_bpm0l06Y_rms vs Slug



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

Left Out: 954.743 ± 0.334 χ^2/NDF : 179064.2/5

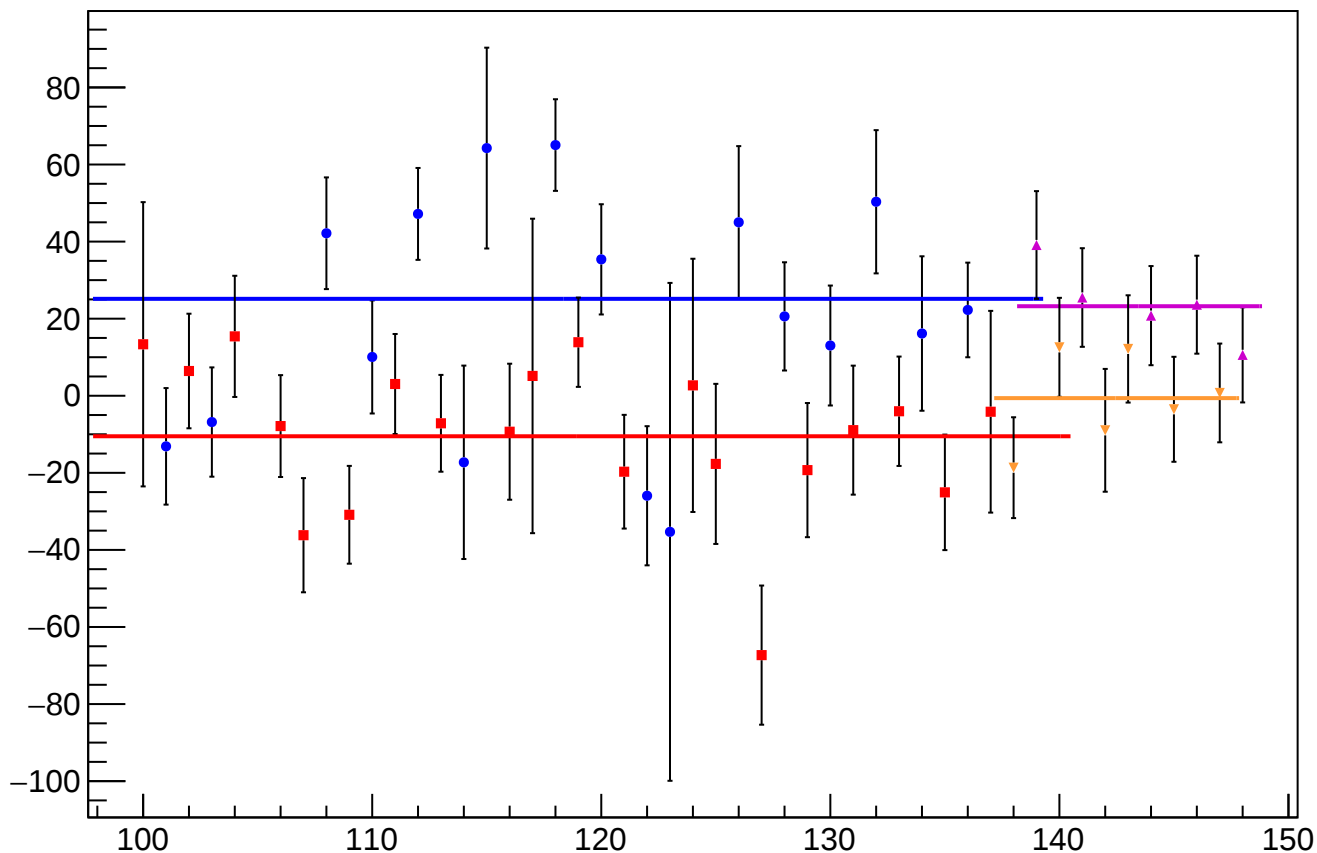
Right Out: 1219.275 ± 0.322 χ^2/NDF : 40462.8/19

Left In: 1002.944 ± 0.359 χ^2/NDF : 198181.3/4

1093.416 ± 0.237 χ^2/NDF : 549983.7/22

1122.873 ± 0.240 χ^2/NDF : 440018.2/24

diff_bpm0l07X_mean vs Slug



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

Left Out: -0.616 ± 5.548 χ^2/NDF : 4.1/5

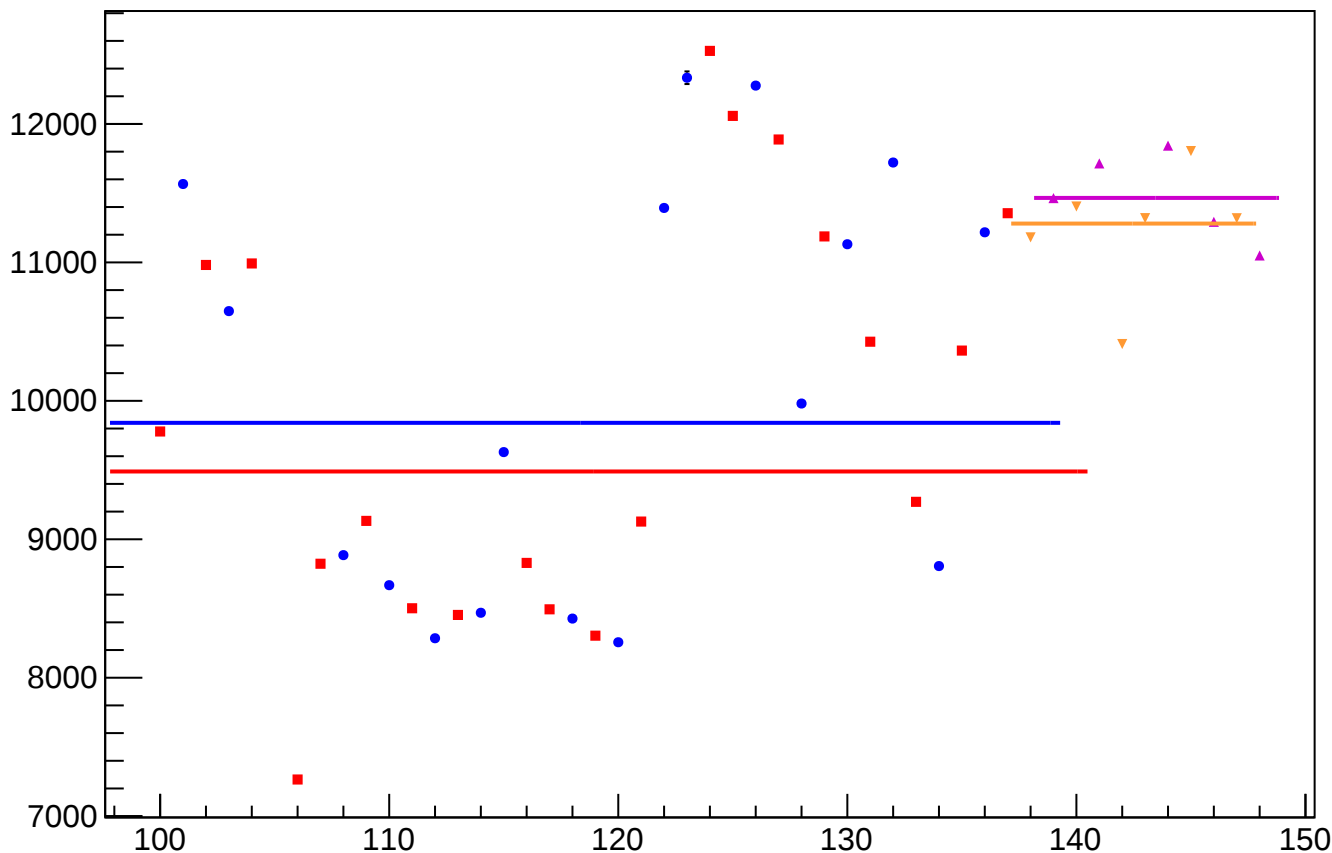
Right Out: -10.513 ± 3.581 χ^2/NDF : 27.8/19

Left In: 23.232 ± 5.771 χ^2/NDF : 2.4/4

16.811 ± 3.156 χ^2/NDF : 65.7/22

-1.132 ± 3.043 χ^2/NDF : 54.9/24

diff_bpm0l07X_rms vs Slug



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

Left Out: 11280.495+/-3.923 χ^2/NDF : 9256.7/5

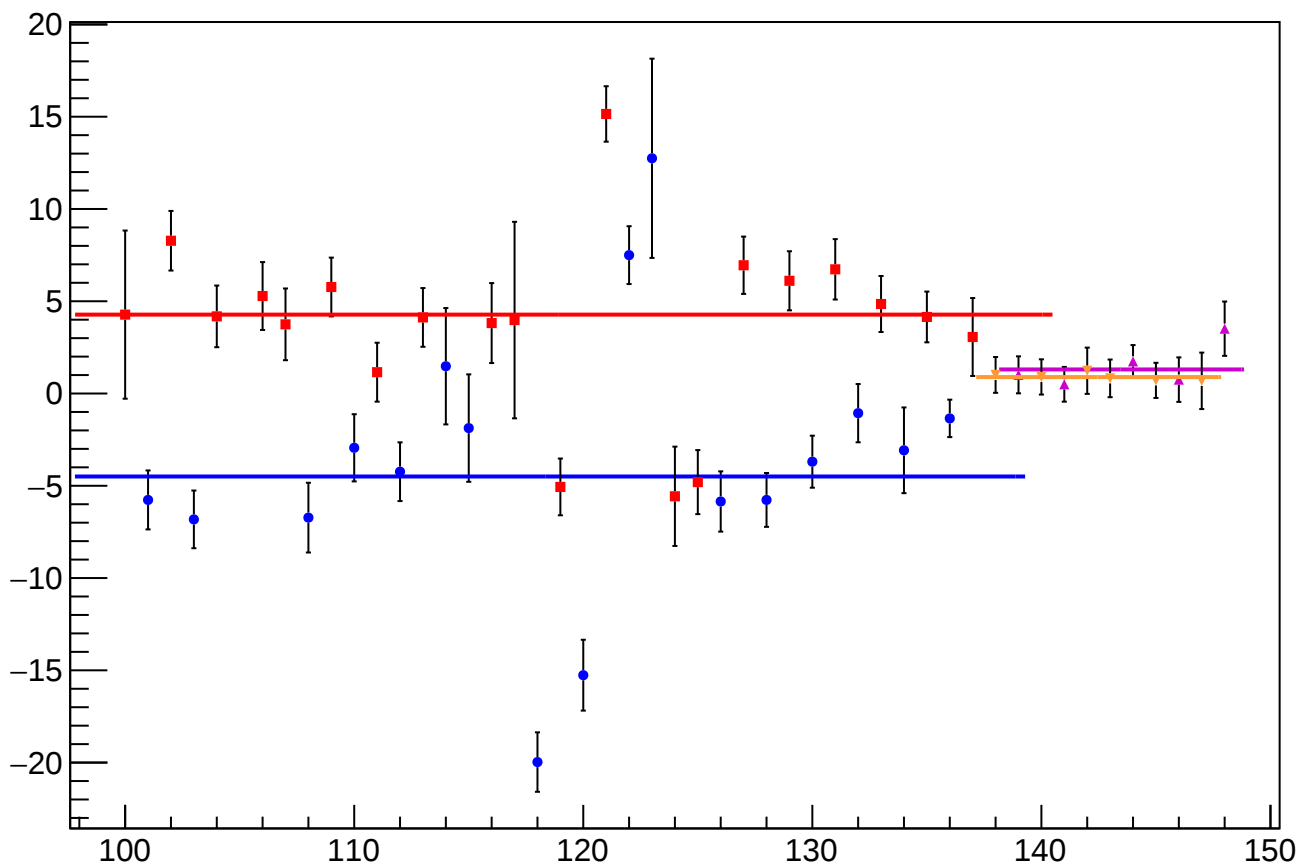
Right Out: 9489.753+/-2.532 χ^2/NDF : 277900.5/19

Left In: 11465.835+/-4.081 χ^2/NDF : 5120.2/4

10306.936+/-2.232 χ^2/NDF : 360369.8/22

10039.079+/-2.151 χ^2/NDF : 452339.8/24

diff_bpm0l07Y_mean vs Slug



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

Left Out: 0.891 ± 0.435 χ^2/NDF : 0.1/5

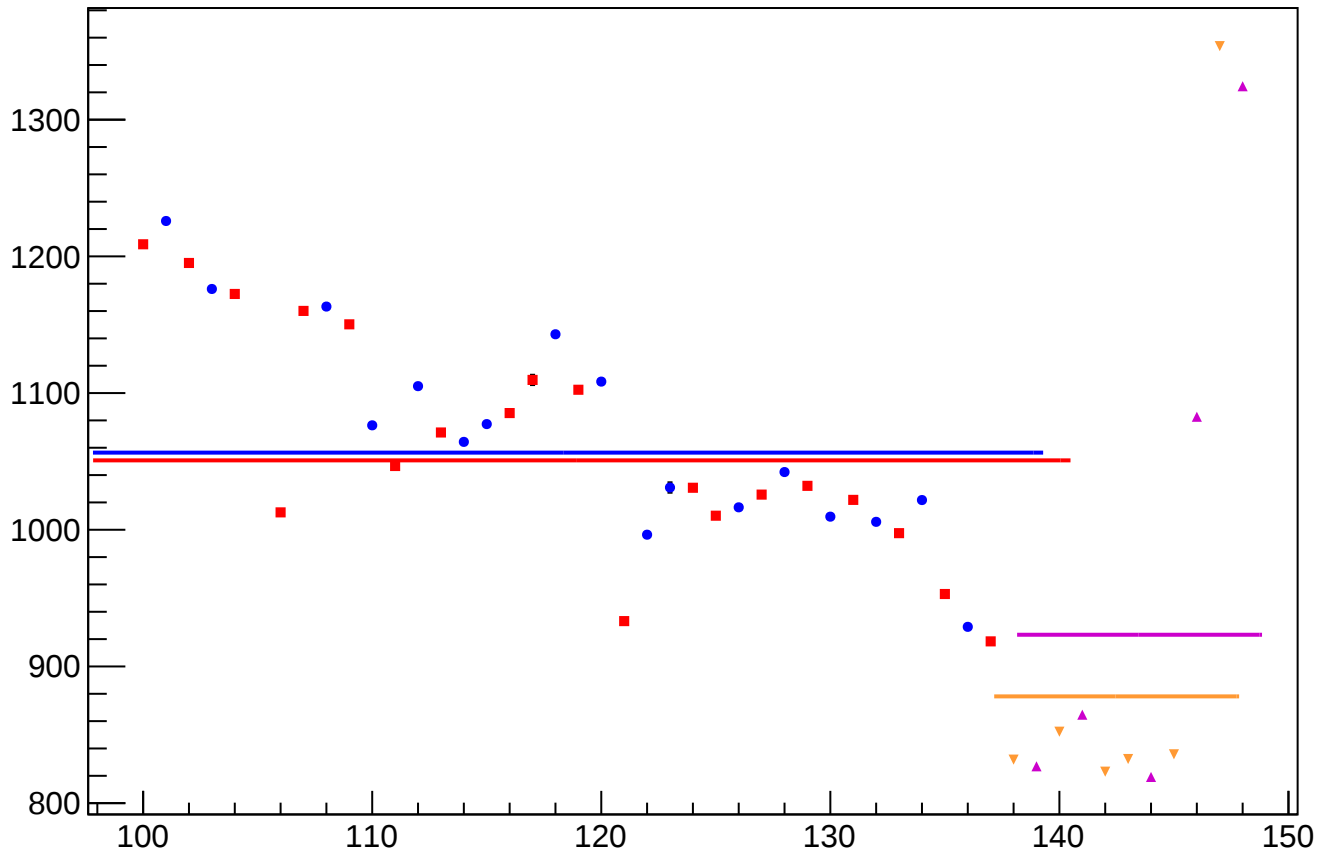
Right Out: 4.275 ± 0.393 χ^2/NDF : 148.2/19

Left In: 1.304 ± 0.469 χ^2/NDF : 3.5/4

-1.975 ± 0.298 χ^2/NDF : 300.1/22

3.049 ± 0.301 χ^2/NDF : 175.4/24

diff_bpm0l07Y_rms vs Slug



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

Left Out: 878.102 $\pm$ 0.308 χ^2 /NDF: 211141.9/5

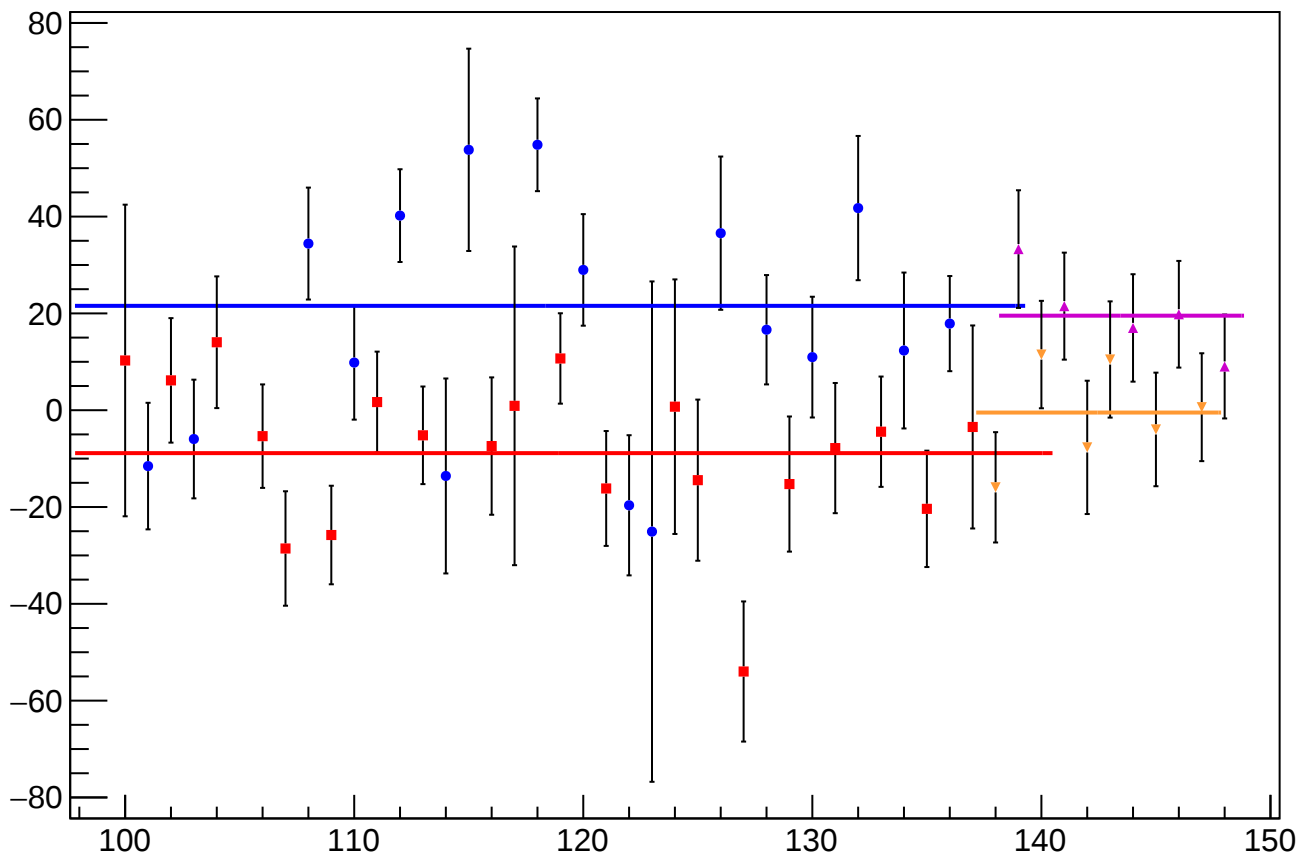
Right Out: 1050.765 $\pm$ 0.278 χ^2 /NDF: 82642.2/19

Left In: 923.192 $\pm$ 0.331 χ^2 /NDF: 237471.8/4

972.948 $\pm$ 0.210 χ^2 /NDF: 480652.1/22

998.120 $\pm$ 0.213 χ^2 /NDF: 407158.3/24

diff_bpm0l08X_mean vs Slug



Right In: 21.561 ± 3.110 $\chi^2/\text{NDF}: 48.4/16$

Left Out: -0.483 ± 4.803 $\chi^2/\text{NDF}: 4.2/5$

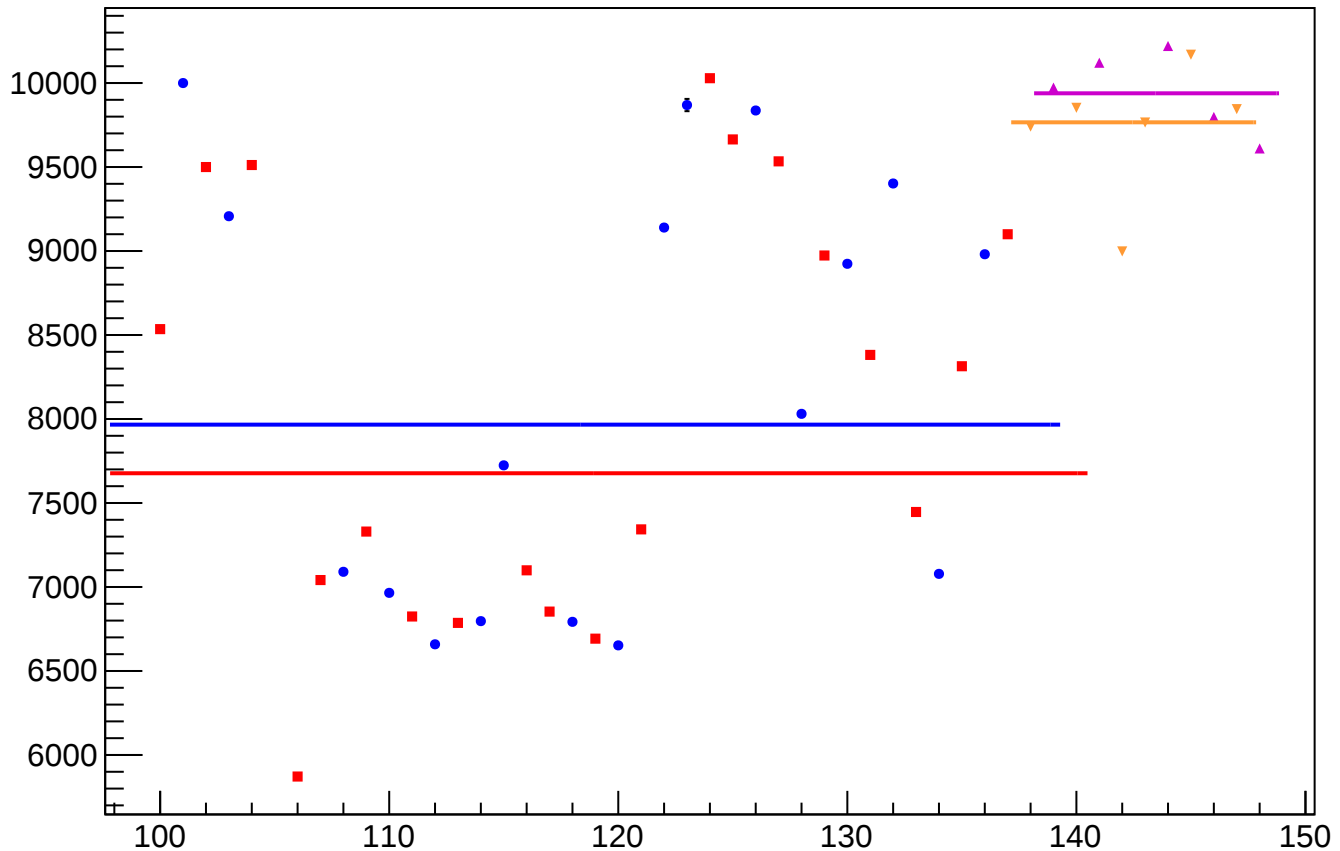
Right Out: -8.867 ± 2.901 $\chi^2/\text{NDF}: 27.5/19$

Left In: 19.530 ± 5.001 $\chi^2/\text{NDF}: 2.3/4$

15.048 ± 2.611 $\chi^2/\text{NDF}: 67.4/22$

-1.719 ± 2.509 $\chi^2/\text{NDF}: 54.0/24$

diff_bpm0l08X_rms vs Slug



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

Left Out: 9766.069 $\pm$ 3.396 χ^2 /NDF: 8812.0/5

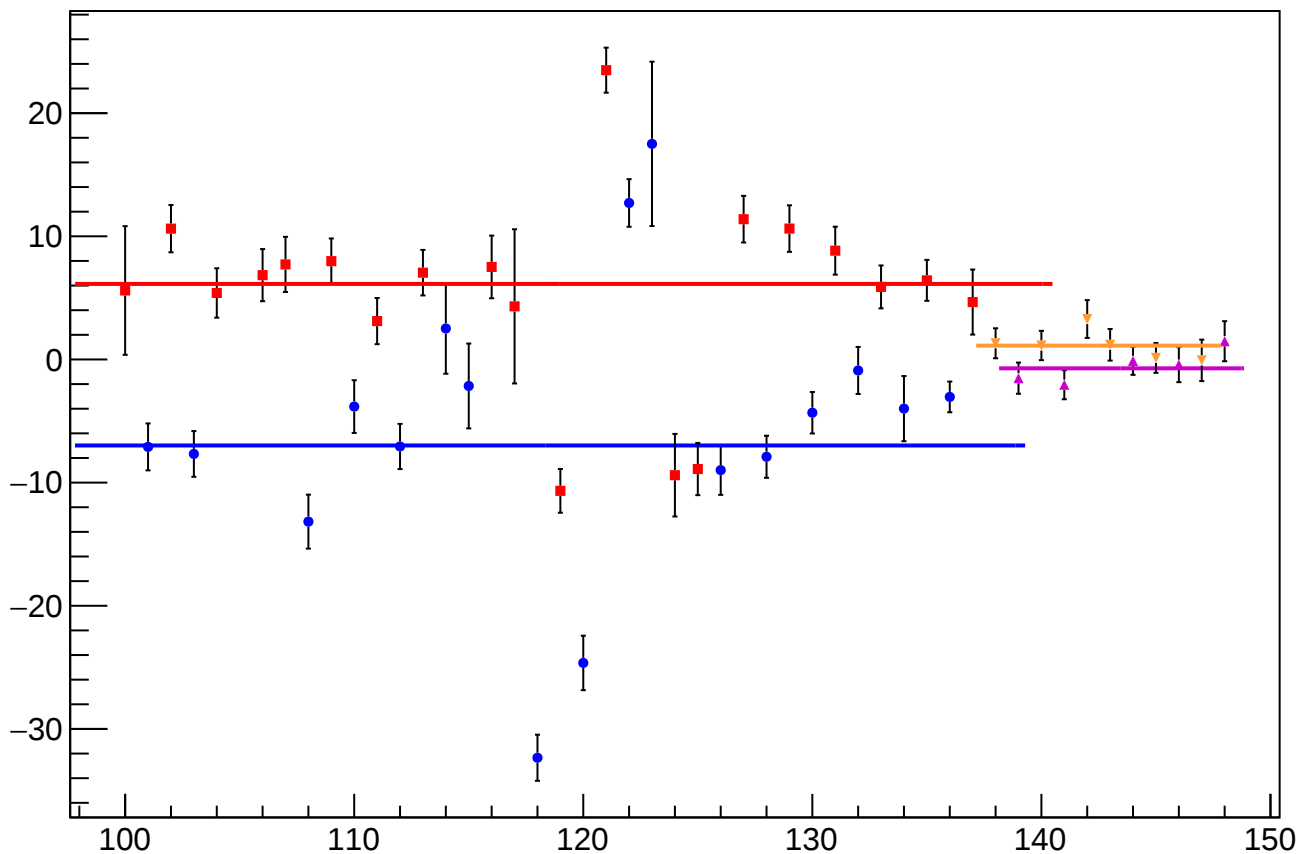
Right Out: 7677.035 $\pm$ 2.051 χ^2 /NDF: 316295.2/19

Left In: 9938.793 $\pm$ 3.536 χ^2 /NDF: 4042.2/4

8498.160 $\pm$ 1.846 χ^2 /NDF: 503262.7/22

8246.366 $\pm$ 1.774 χ^2 /NDF: 626451.4/24

diff_bpm0l08Y_mean vs Slug



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

Left Out: 1.123+/-0.539 χ^2 /NDF: 3.2/5

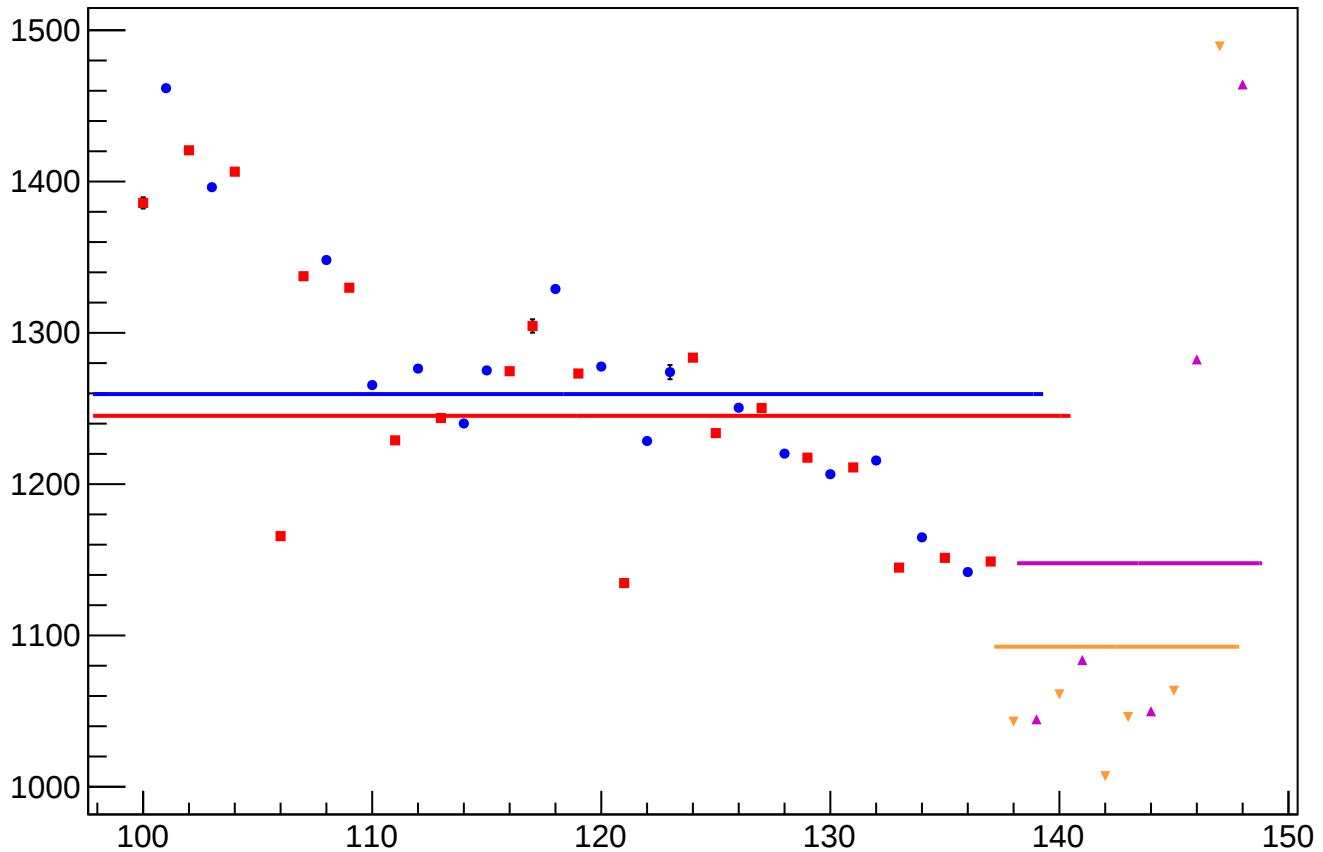
Right Out: 6.135+/-0.465 χ^2 /NDF: 277.6/19

Left In: -0.720+/-0.578 χ^2 /NDF: 3.8/4

-3.344+/-0.361 χ^2 /NDF: 536.5/22

3.440+/-0.363 χ^2 /NDF: 366.7/24

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1092.565+/-0.381 χ^2/NDF :125847.6/5

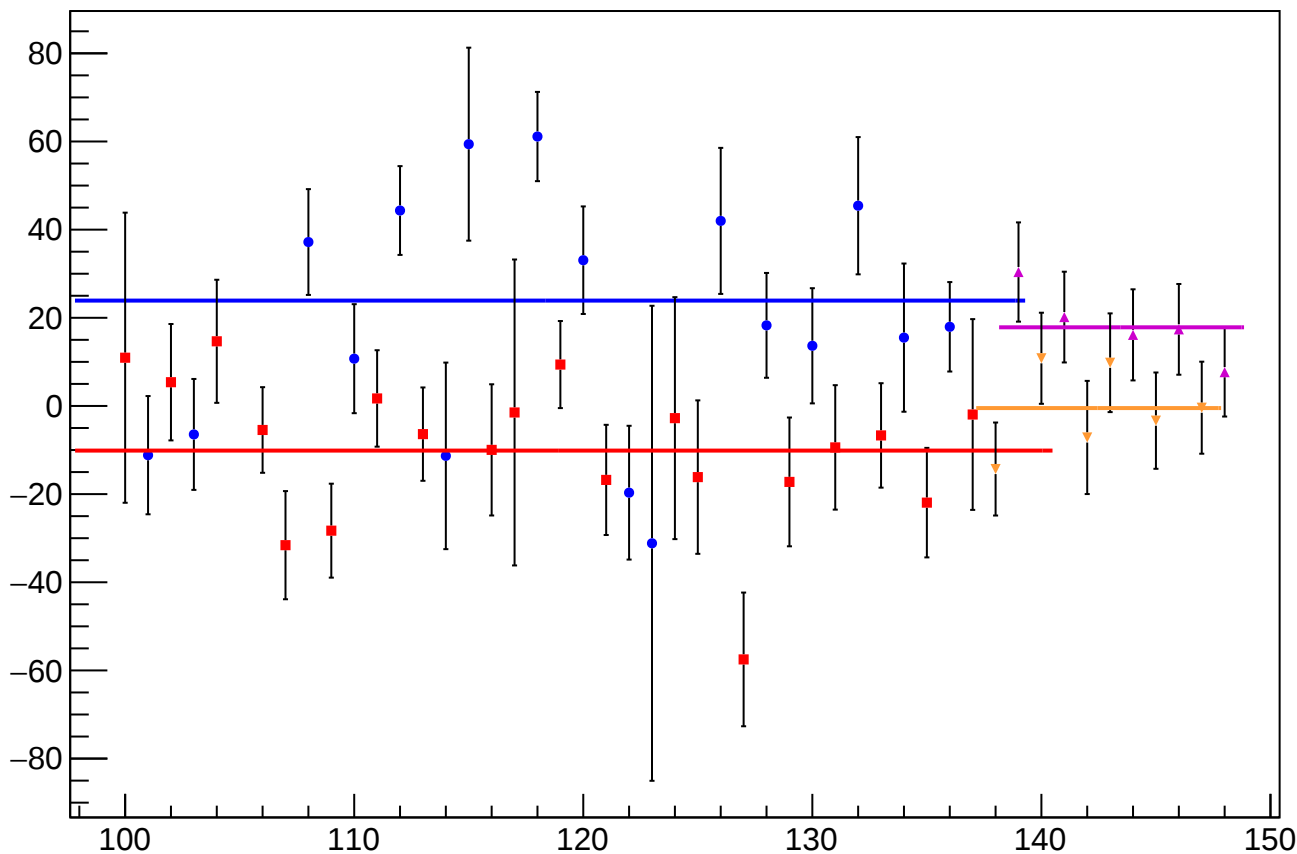
Right Out: 1245.167+/-0.329 χ^2/NDF : 67006.8/19

Left In: 1147.733+/-0.409 χ^2/NDF :127672.6/4

1184.570+/-0.255 χ^2/NDF : 296592.8/22

1206.864+/-0.256 χ^2/NDF : 229144.6/24

diff_bpm0l09X_mean vs Slug



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

Left Out: -0.481 ± 4.475 $\chi^2/\text{NDF}: 4.1/5$

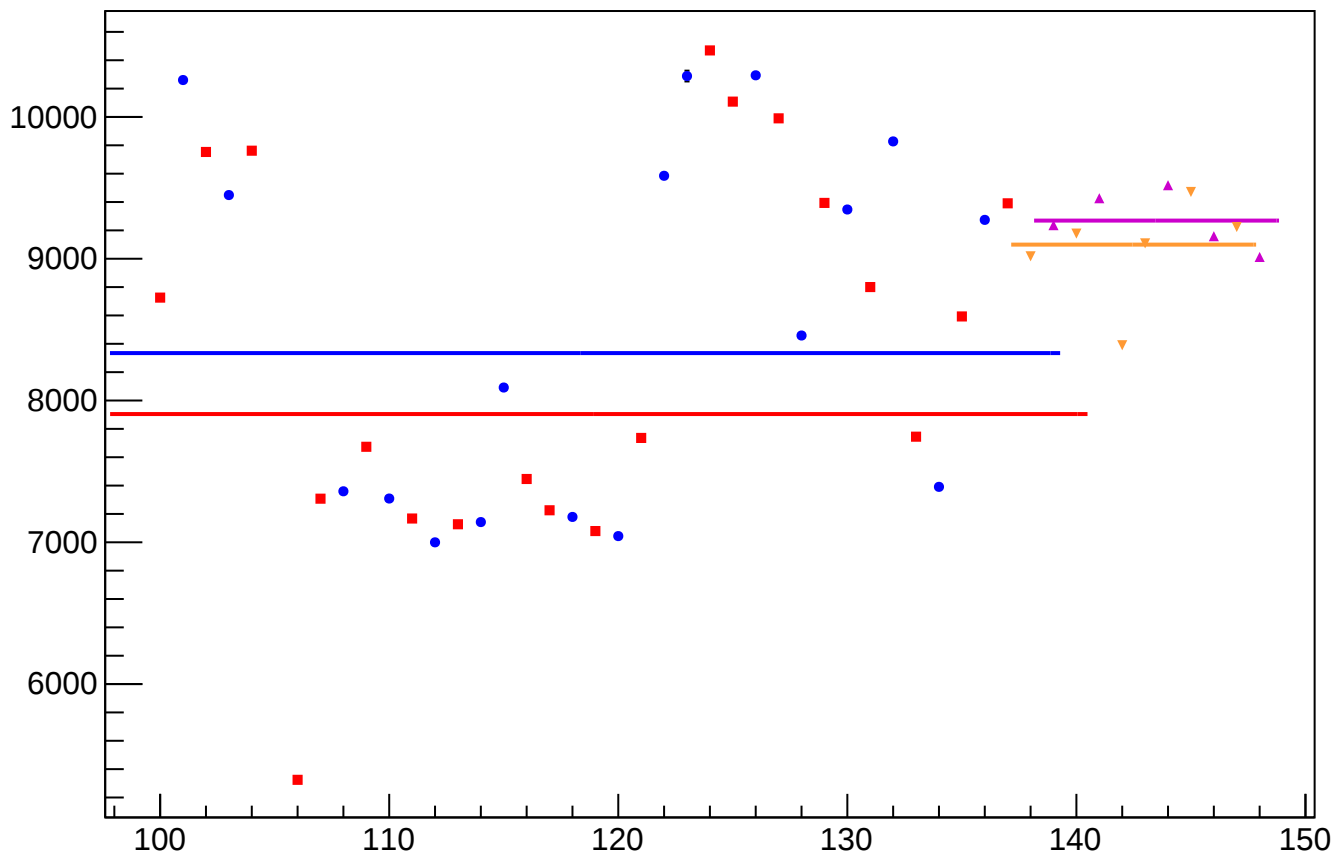
Right Out: -10.125 ± 2.994 $\chi^2/\text{NDF}: 28.0/19$

Left In: 17.843 ± 4.663 $\chi^2/\text{NDF}: 2.3/4$

15.481 ± 2.630 $\chi^2/\text{NDF}: 76.0/22$

-1.959 ± 2.520 $\chi^2/\text{NDF}: 55.8/24$

diff_bpm0l09X_rms vs Slug



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

Left Out: 9099.601+/-3.164 χ^2/NDF : 8943.6/5

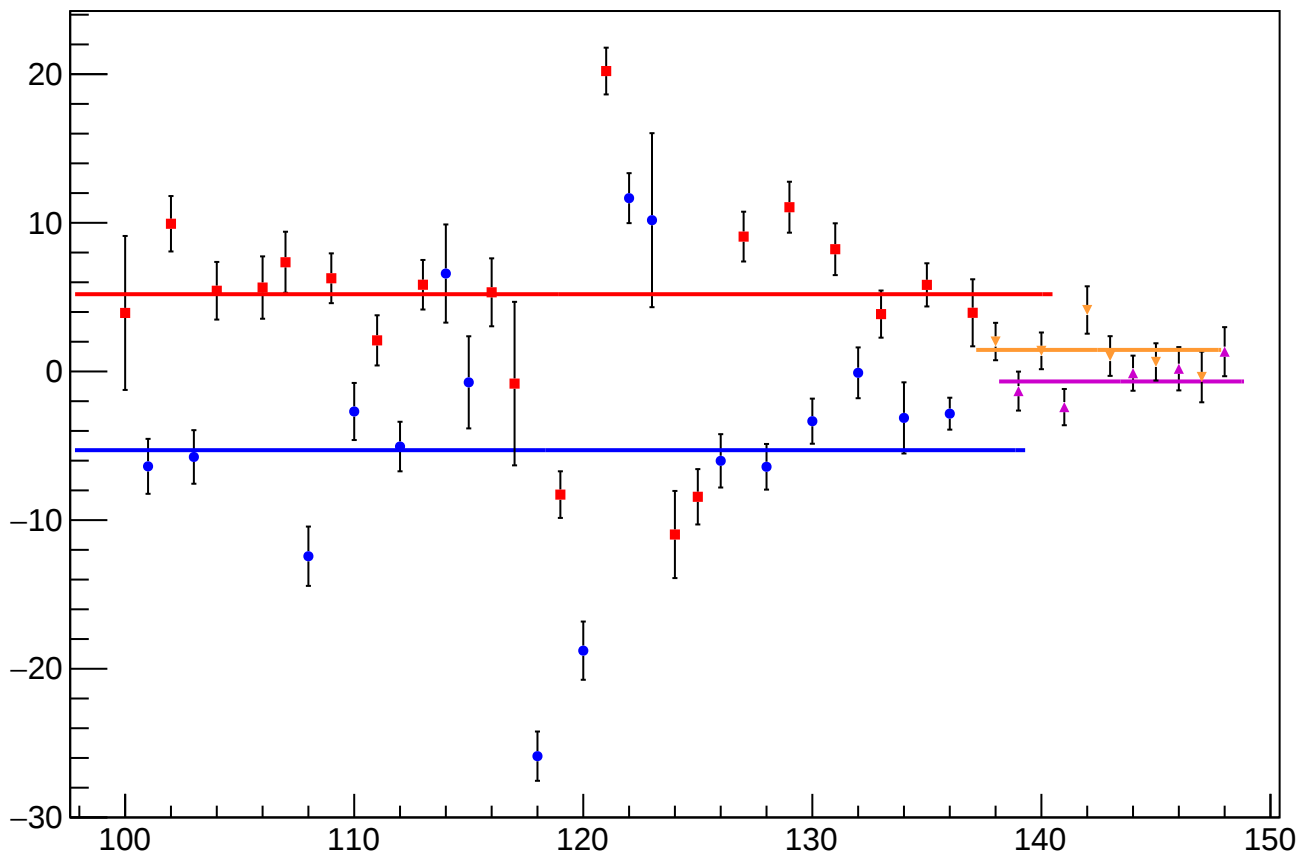
Right Out: 7904.529+/-2.117 χ^2/NDF : 391589.9/19

Left In: 9269.073+/-3.297 χ^2/NDF : 3179.6/4

8598.793+/-1.860 χ^2/NDF : 319519.5/22

8302.954+/-1.782 χ^2/NDF : 516039.4/24

diff_bpm0l09Y_mean vs Slug



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

Left Out: 1.451 ± 0.557 χ^2/NDF : 4.7/5

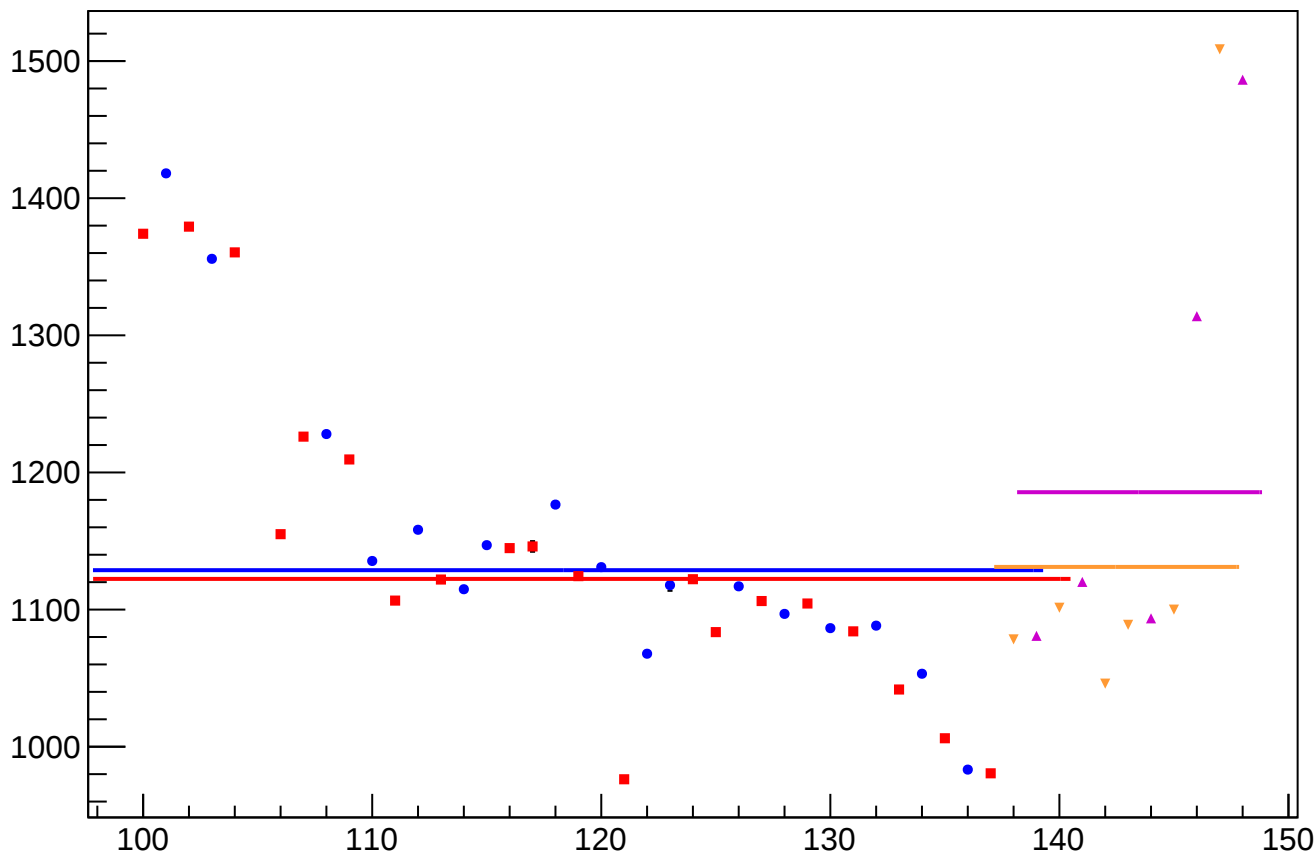
Right Out: 5.198 ± 0.420 χ^2/NDF : 283.1/19

Left In: -0.672 ± 0.597 χ^2/NDF : 4.3/4

-2.727 ± 0.344 χ^2/NDF : 453.6/22

3.250 ± 0.344 χ^2/NDF : 352.1/24

diff_bpm0l09Y_rms vs Slug



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

Left Out: 1131.119+/-0.394 χ^2/NDF :111680.0/5

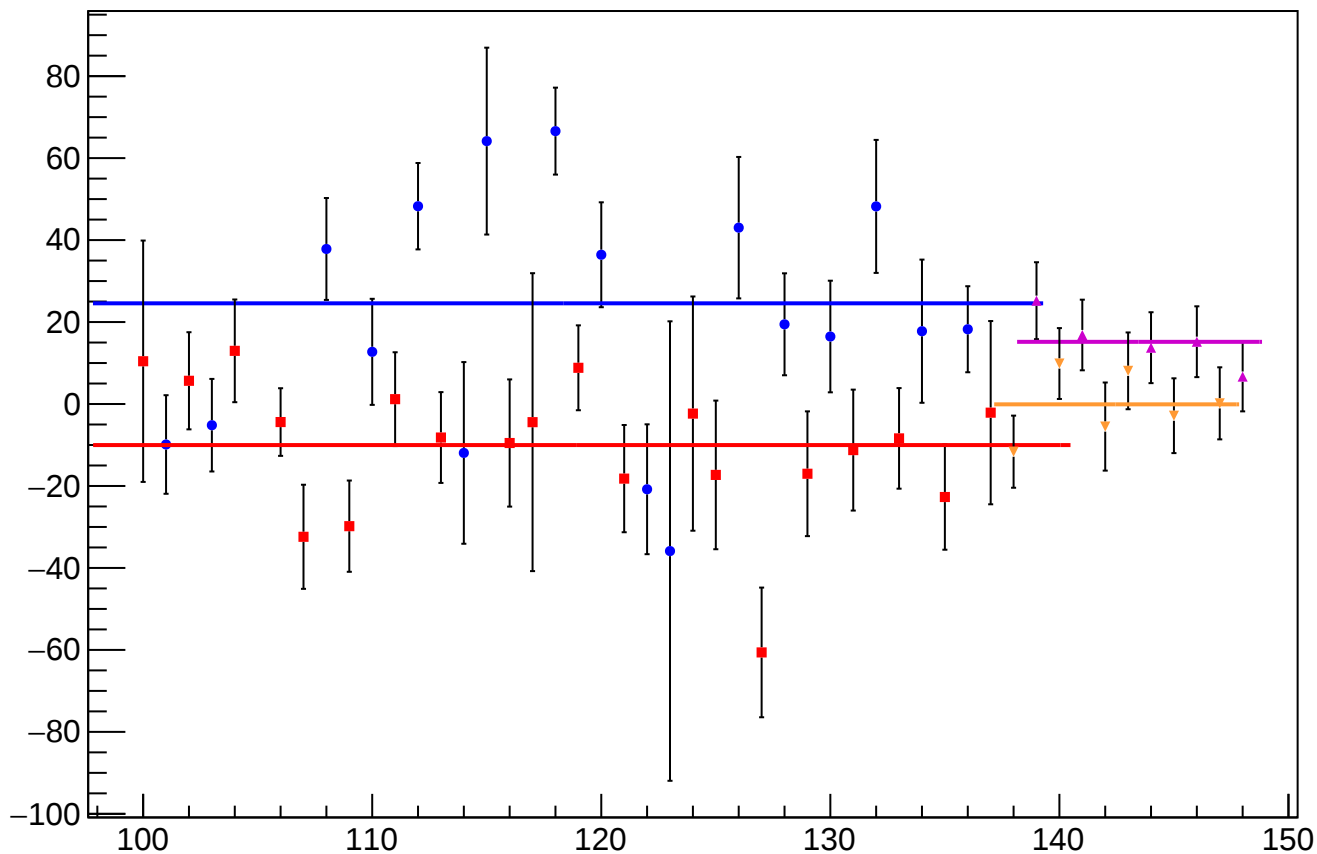
Right Out: 1122.377+/-0.297 χ^2/NDF : 129638.9/19

Left In: 1185.603+/-0.422 χ^2/NDF :112585.6/4

1129.646+/-0.243 χ^2/NDF : 244799.5/22

1143.355+/-0.243 χ^2/NDF : 257233.0/24

diff_bpm0l10X_mean vs Slug



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

Left Out: -0.080 ± 3.745 $\chi^2/\text{NDF}: 4.2/5$

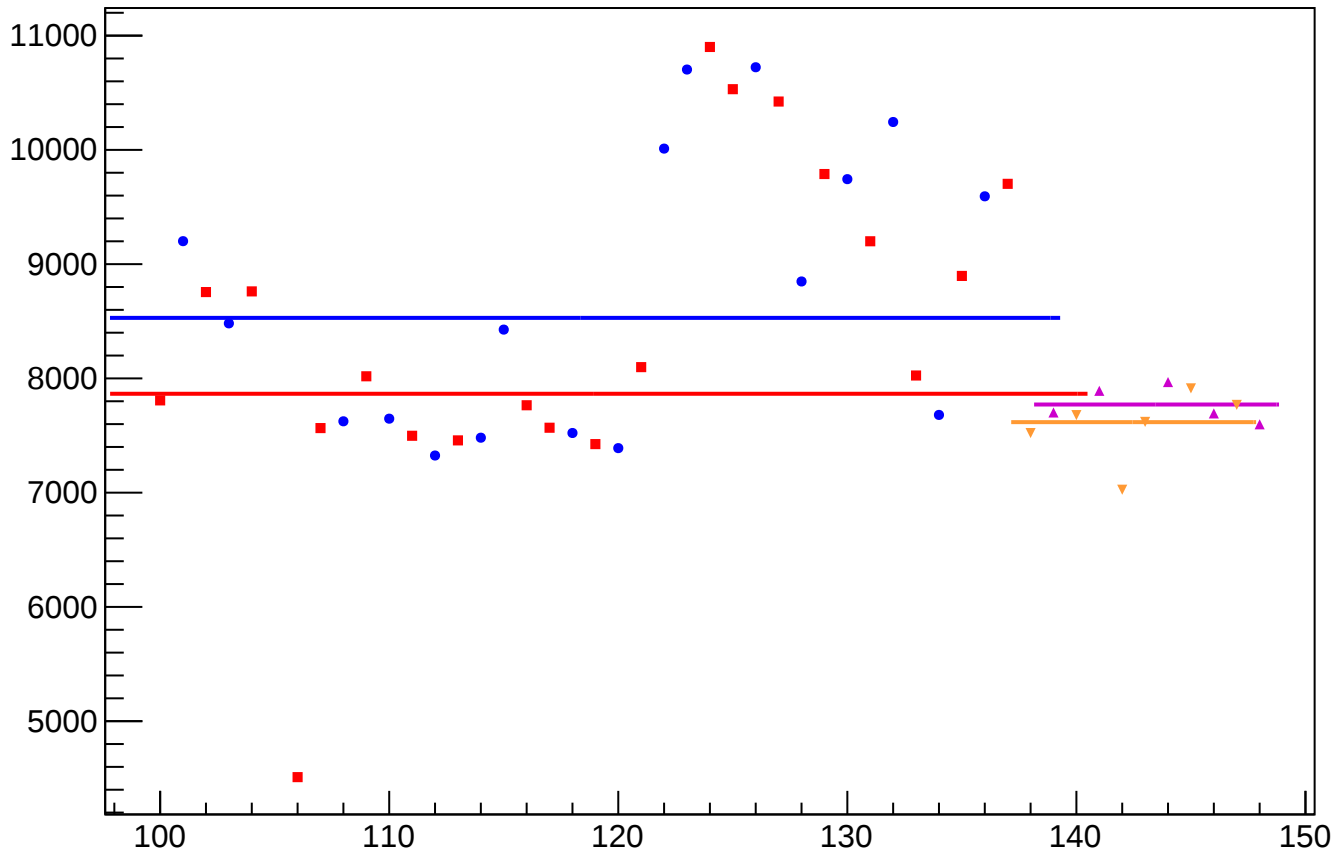
Right Out: -10.019 ± 2.997 $\chi^2/\text{NDF}: 28.8/19$

Left In: 15.171 ± 3.909 $\chi^2/\text{NDF}: 2.2/4$

13.729 ± 2.484 $\chi^2/\text{NDF}: 86.5/22$

-0.690 ± 2.379 $\chi^2/\text{NDF}: 57.2/24$

diff_bpm0l10X_rms vs Slug



Right In: 8529.821 $\pm$ 2.346 χ^2 /NDF: 208336.1/16

Left Out: 7617.222 $\pm$ 2.648 χ^2 /NDF: 9079.9/5

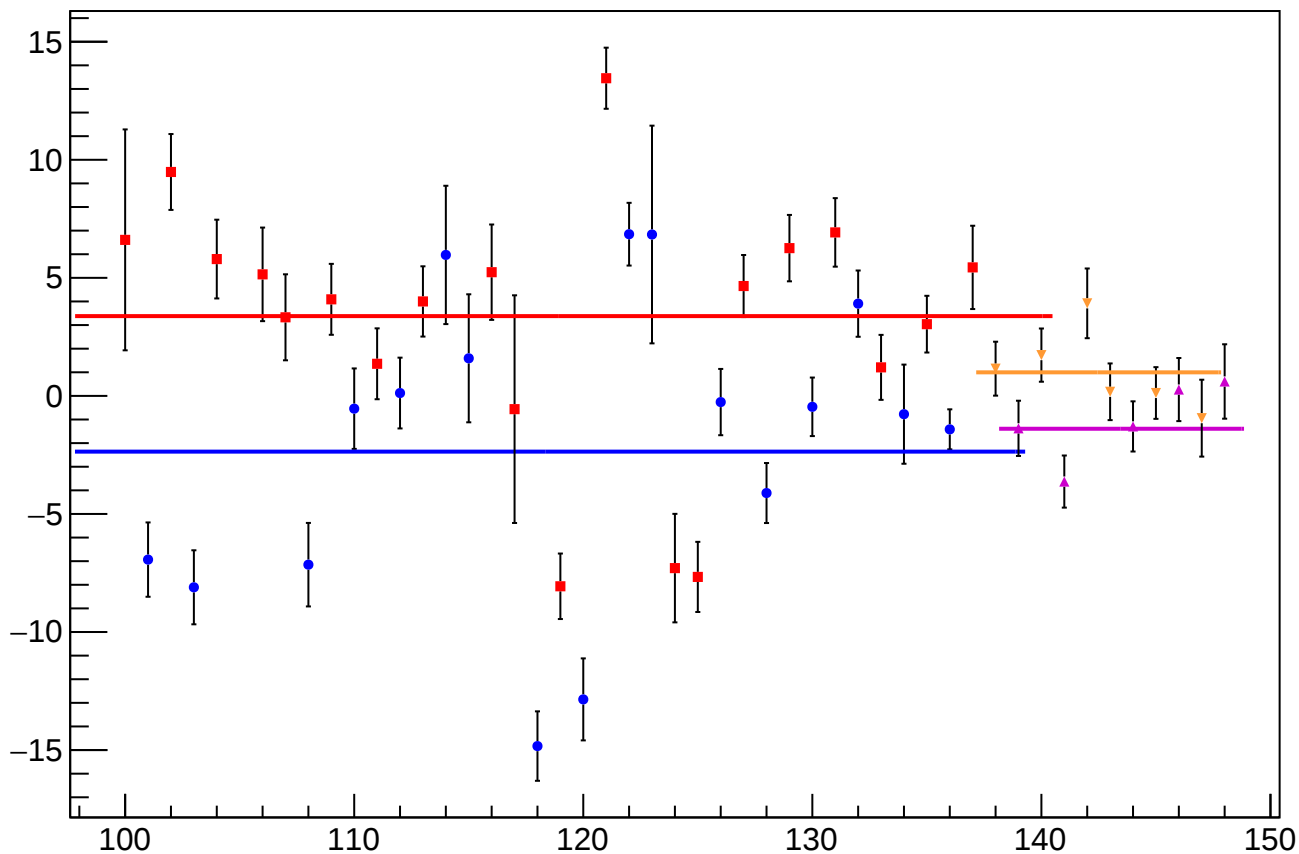
Right Out: 7865.549 $\pm$ 2.119 χ^2 /NDF: 555976.4/19

Left In: 7771.515 $\pm$ 2.764 χ^2 /NDF: 2526.3/4

8128.489 $\pm$ 1.756 χ^2 /NDF: 283937.7/22

7830.726 $\pm$ 1.682 χ^2 /NDF: 559231.6/24

diff_bpm0l10Y_mean vs Slug



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

Left Out: 0.998 ± 0.505 χ^2/NDF : 6.9/5

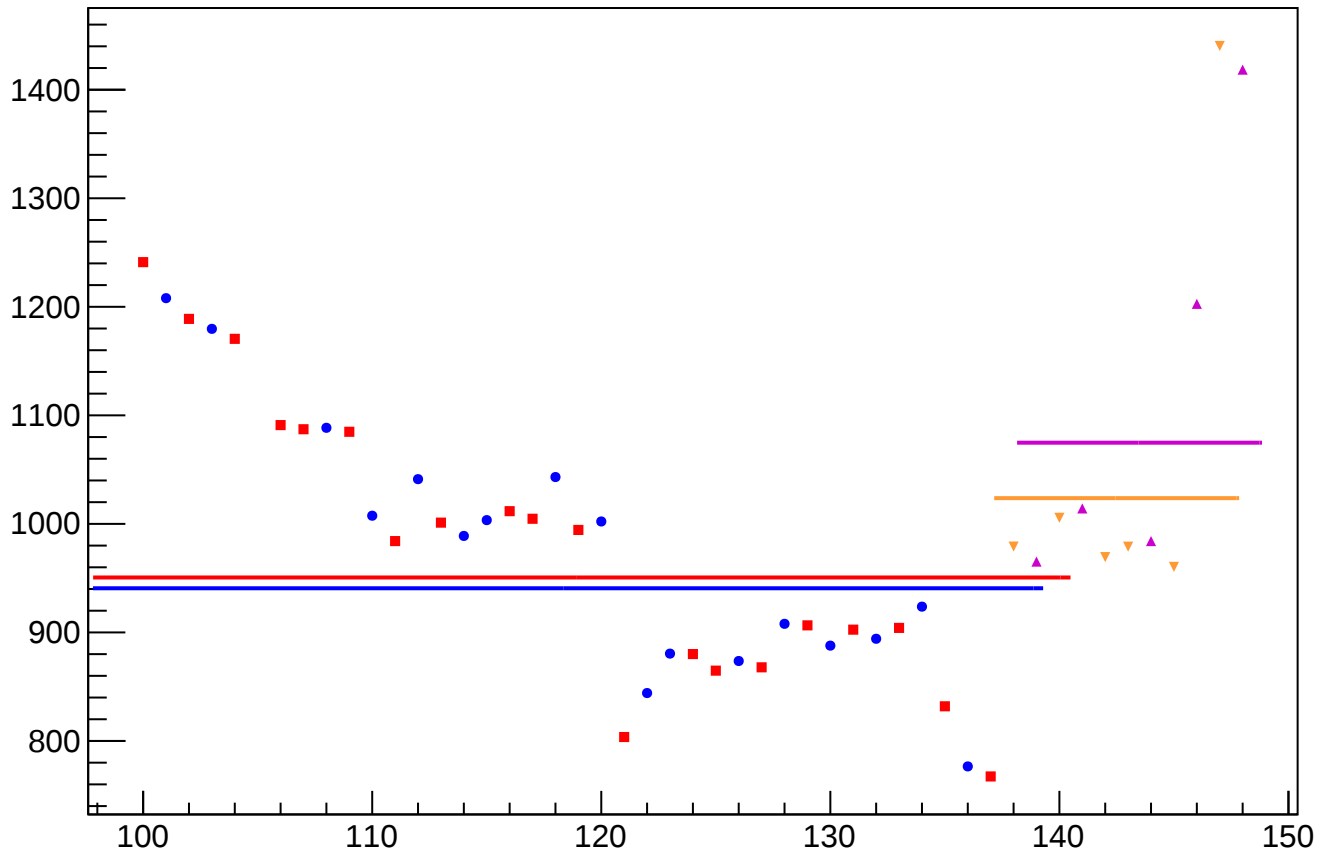
Right Out: 3.379 ± 0.357 χ^2/NDF : 242.1/19

Left In: -1.391 ± 0.542 χ^2/NDF : 7.3/4

-1.206 ± 0.296 χ^2/NDF : 267.9/22

1.936 ± 0.298 χ^2/NDF : 303.3/24

diff_bpm0l10Y_rms vs Slug



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

Left Out: 1023.707+/-0.357 χ^2/NDF :146738.0/5

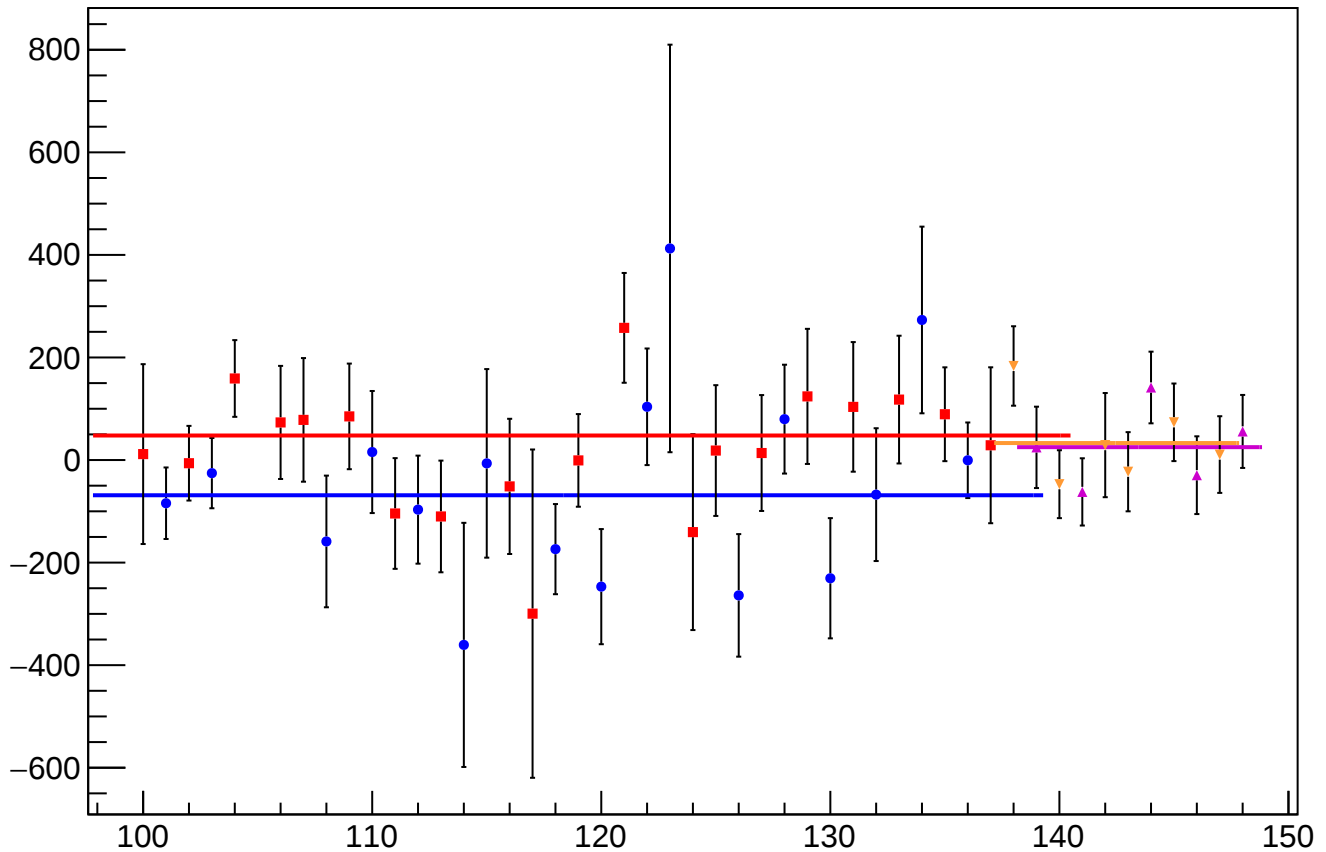
Right Out: 950.615+/-0.253 χ^2/NDF : 220931.3/19

Left In: 1074.810+/-0.383 χ^2/NDF :151596.9/4

969.213+/-0.209 χ^2/NDF : 423959.2/22

988.191+/-0.211 χ^2/NDF : 445675.9/24

diff_bpm0r03X_mean vs Slug



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

Left Out: 33.140 ± 31.415 $\chi^2/\text{NDF}: 6.1/5$

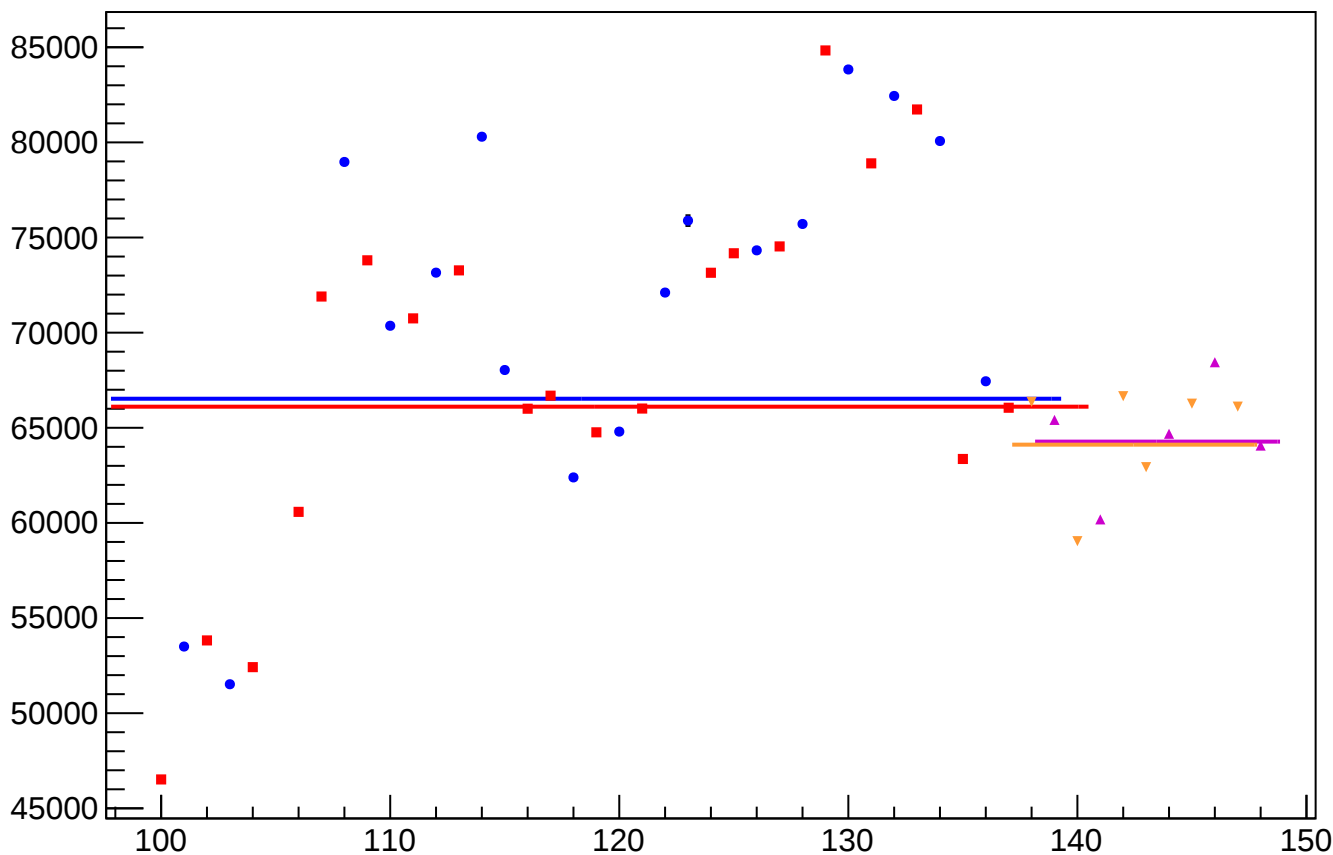
Right Out: 47.835 ± 24.944 $\chi^2/\text{NDF}: 15.2/19$

Left In: 25.113 ± 32.148 $\chi^2/\text{NDF}: 5.2/4$

-27.396 ± 20.005 $\chi^2/\text{NDF}: 34.1/22$

39.297 ± 19.707 $\chi^2/\text{NDF}: 20.8/24$

diff_bpm0r03X_rms vs Slug



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

Left Out: 64113.718+/-22.214 χ^2/NDF : 18209.1/5

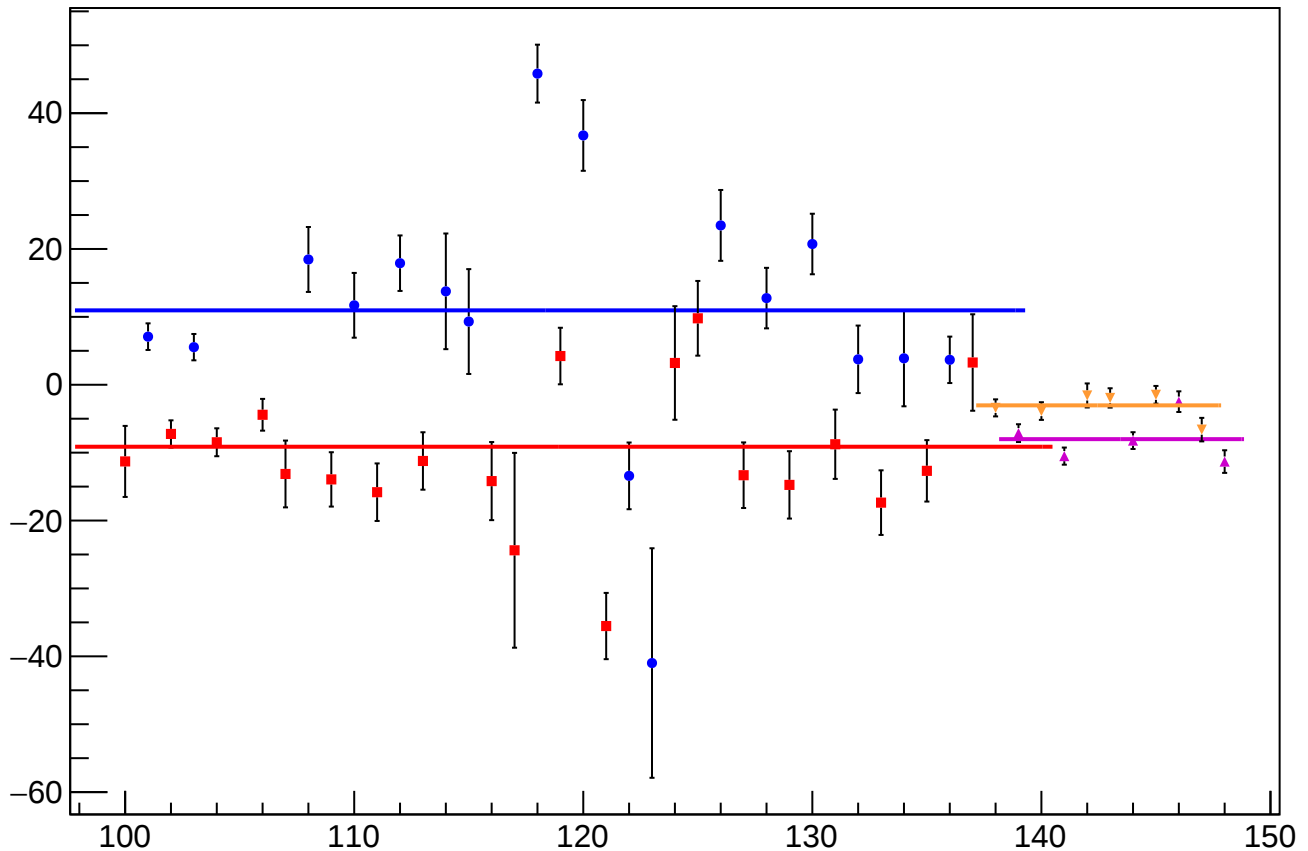
Right Out: 66109.383+/-17.638 χ^2/NDF : 298491.9/19

Left In: 64272.960+/-22.732 χ^2/NDF : 14331.3/4

65548.546+/-14.146 χ^2/NDF : 346114.1/22

65419.270+/-13.935 χ^2/NDF : 316897.1/24

diff_bpm0r03Y_mean vs Slug



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

Left Out: -3.035 ± 0.581 χ^2/NDF : 7.5/5

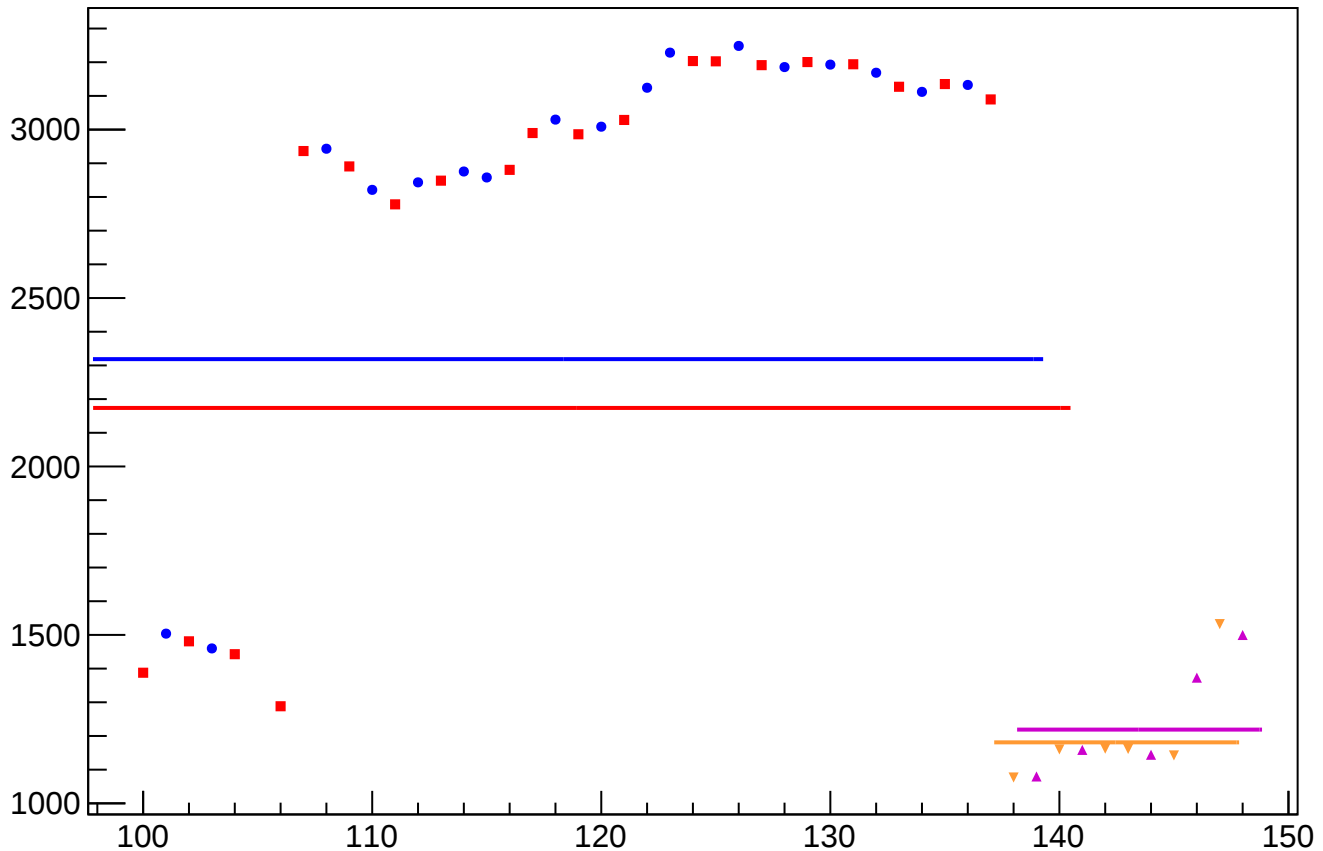
Right Out: -9.127 ± 0.865 χ^2/NDF : 74.2/19

Left In: -8.010 ± 0.613 χ^2/NDF : 21.5/4

0.817 ± 0.495 χ^2/NDF : 327.9/22

-8.384 ± 0.500 χ^2/NDF : 96.9/24

diff_bpm0r03Y_rms vs Slug



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

Left Out: 1181.066 $\pm$ 0.411 χ^2 /NDF: 98878.2/5

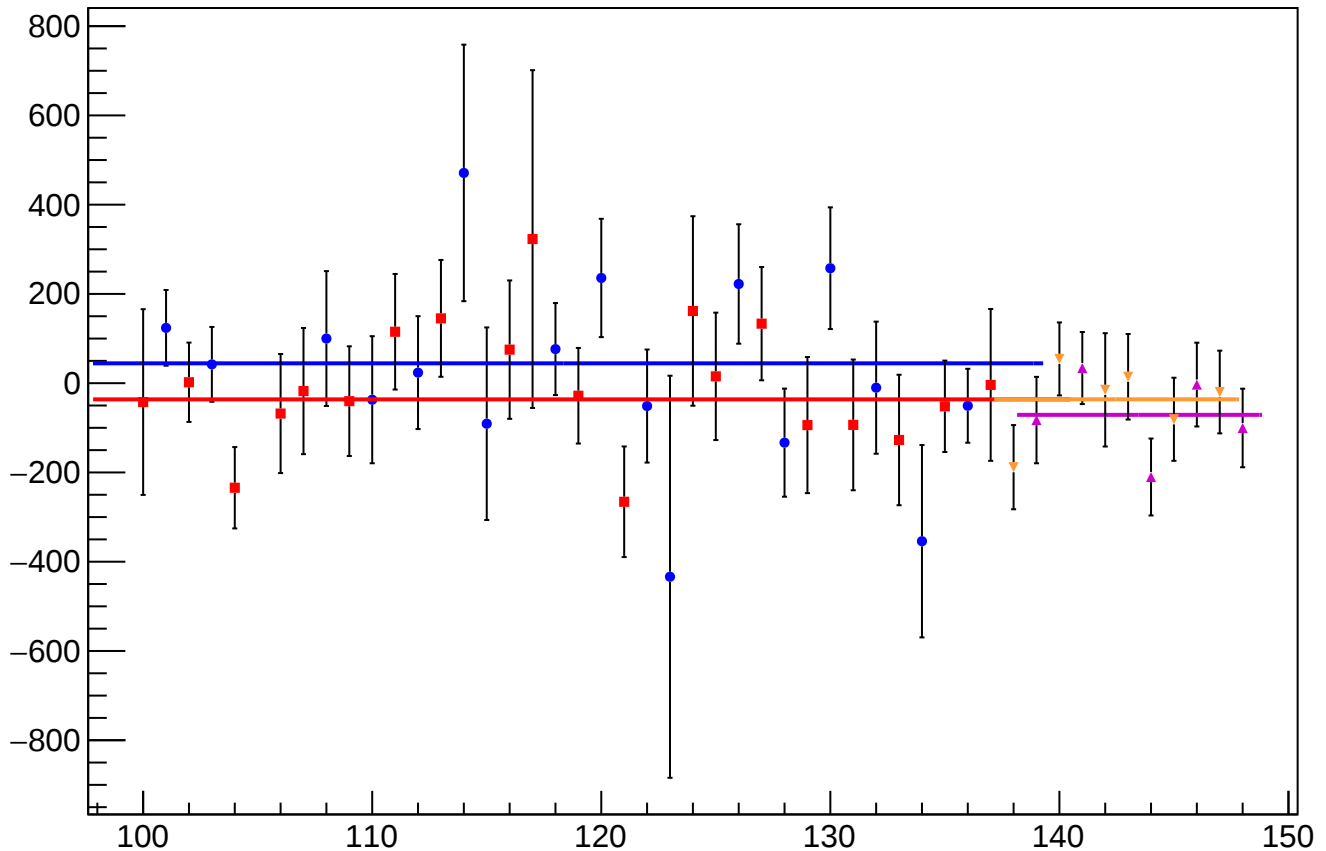
Right Out: 2173.762 $\pm$ 0.611 χ^2 /NDF: 1760181.2/19

Left In: 1218.915 $\pm$ 0.434 χ^2 /NDF: 111811.3/4

1494.238 $\pm$ 0.350 χ^2 /NDF: 3615524.7/22

1538.433 $\pm$ 0.354 χ^2 /NDF: 3494415.7/24

diff_bpm0r05X_mean vs Slug



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

Left Out: -36.128+/-38.782 χ^2/NDF : 4.4/5

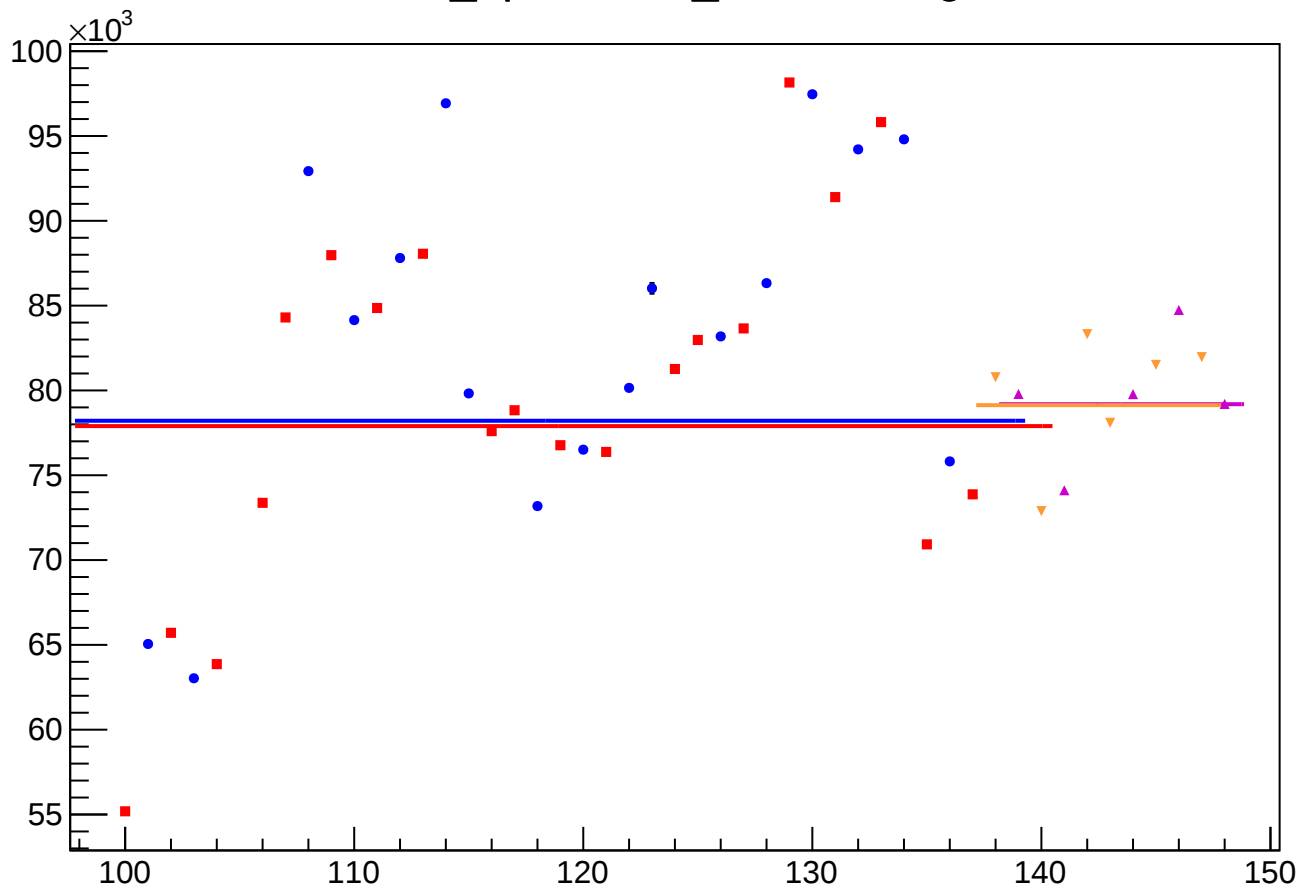
Right Out: -36.251+/-29.346 χ^2/NDF : 16.7/19

Left In: -70.961+/-39.616 χ^2/NDF : 4.9/4

13.764+/-23.941 χ^2/NDF : 26.2/22

-48.550+/-23.581 χ^2/NDF : 22.1/24

diff_bpm0r05X_rms vs Slug



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

Left Out: 79131.865 ± 27.423 χ^2/NDF : 17865.2/5

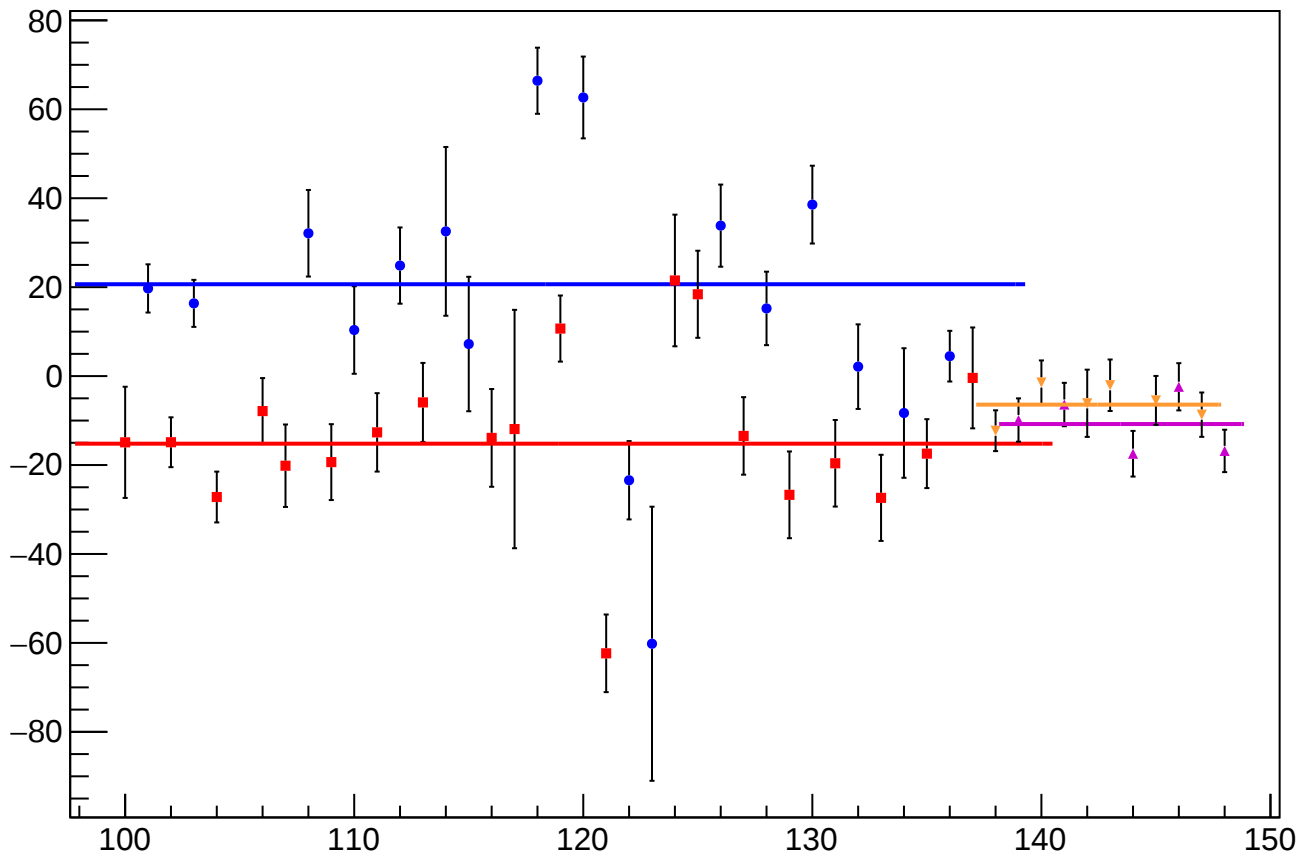
Right Out: 77897.594 ± 20.751 χ^2/NDF : 246982.5/19

Left In: 79188.091 ± 28.013 χ^2/NDF : 15071.7/4

78563.181 ± 16.929 χ^2/NDF : 269616.7/22

78354.839 ± 16.674 χ^2/NDF : 263424.5/24

diff_bpm0r05Y_mean vs Slug



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

Left Out: -6.419 ± 2.189 χ^2/NDF : 3.4/5

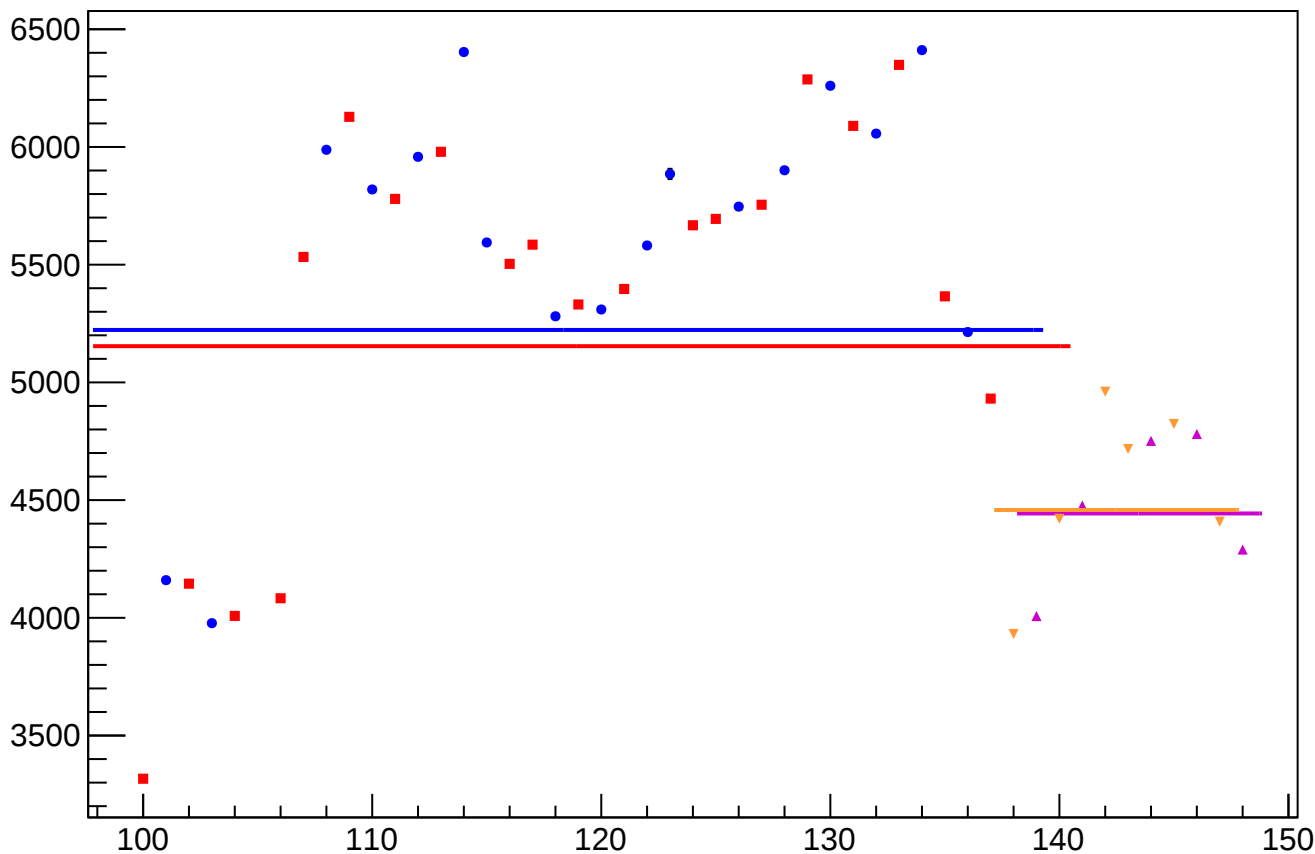
Right Out: -15.198 ± 1.950 χ^2/NDF : 71.3/19

Left In: -10.782 ± 2.227 χ^2/NDF : 6.6/4

8.098 ± 1.491 χ^2/NDF : 203.2/22

-13.282 ± 1.467 χ^2/NDF : 80.2/24

diff_bpm0r05Y_rms vs Slug



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

Left Out: 4458.056+/-1.548 χ^2/NDF : 48313.1/5

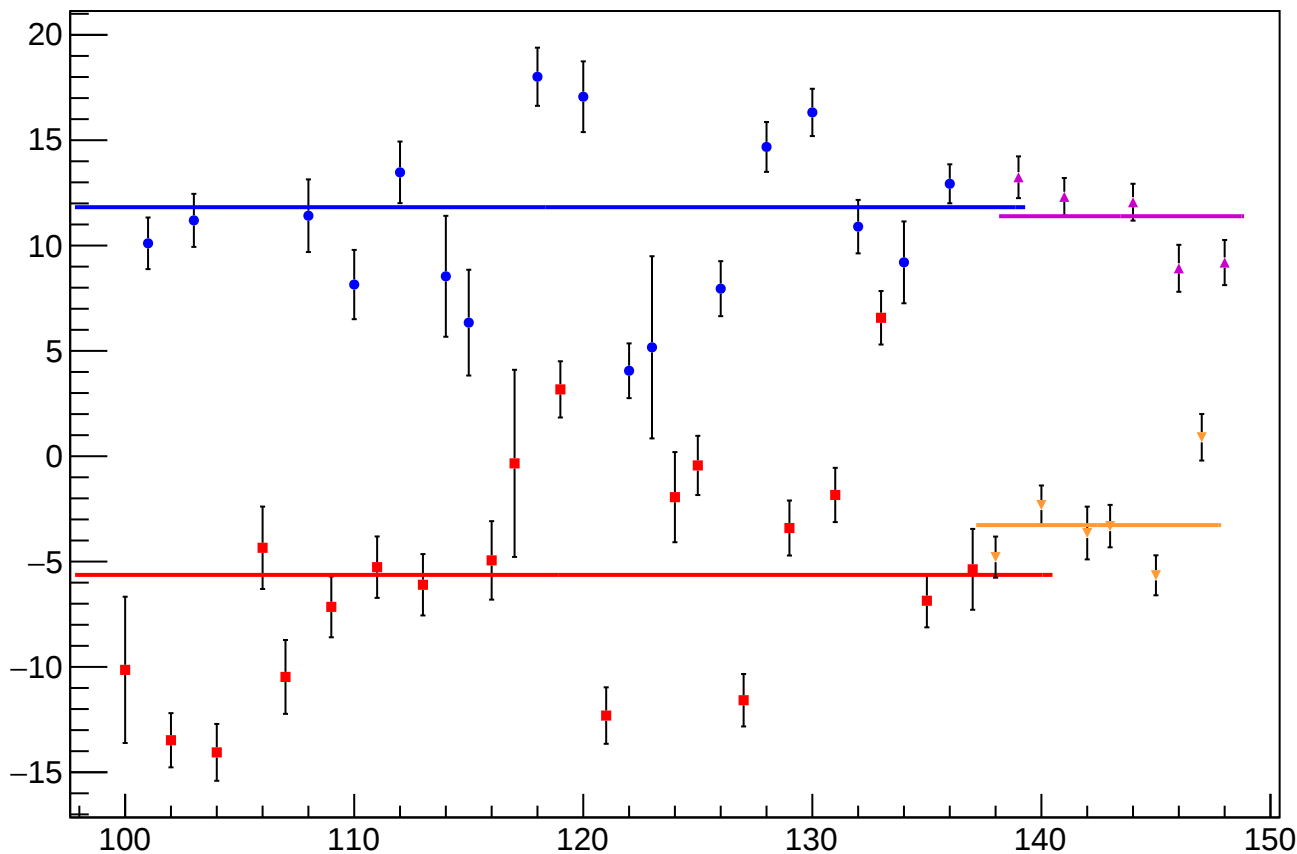
Right Out: 5153.826+/-1.379 χ^2/NDF : 388205.9/19

Left In: 4443.225+/-1.575 χ^2/NDF : 33475.0/4

4868.048+/-1.054 χ^2/NDF : 491701.8/22

4845.536+/-1.037 χ^2/NDF : 536960.5/24

diff_bpm2i01X_mean vs Slug



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

Left Out: -3.270+/-0.416 χ^2/NDF : 24.1/5

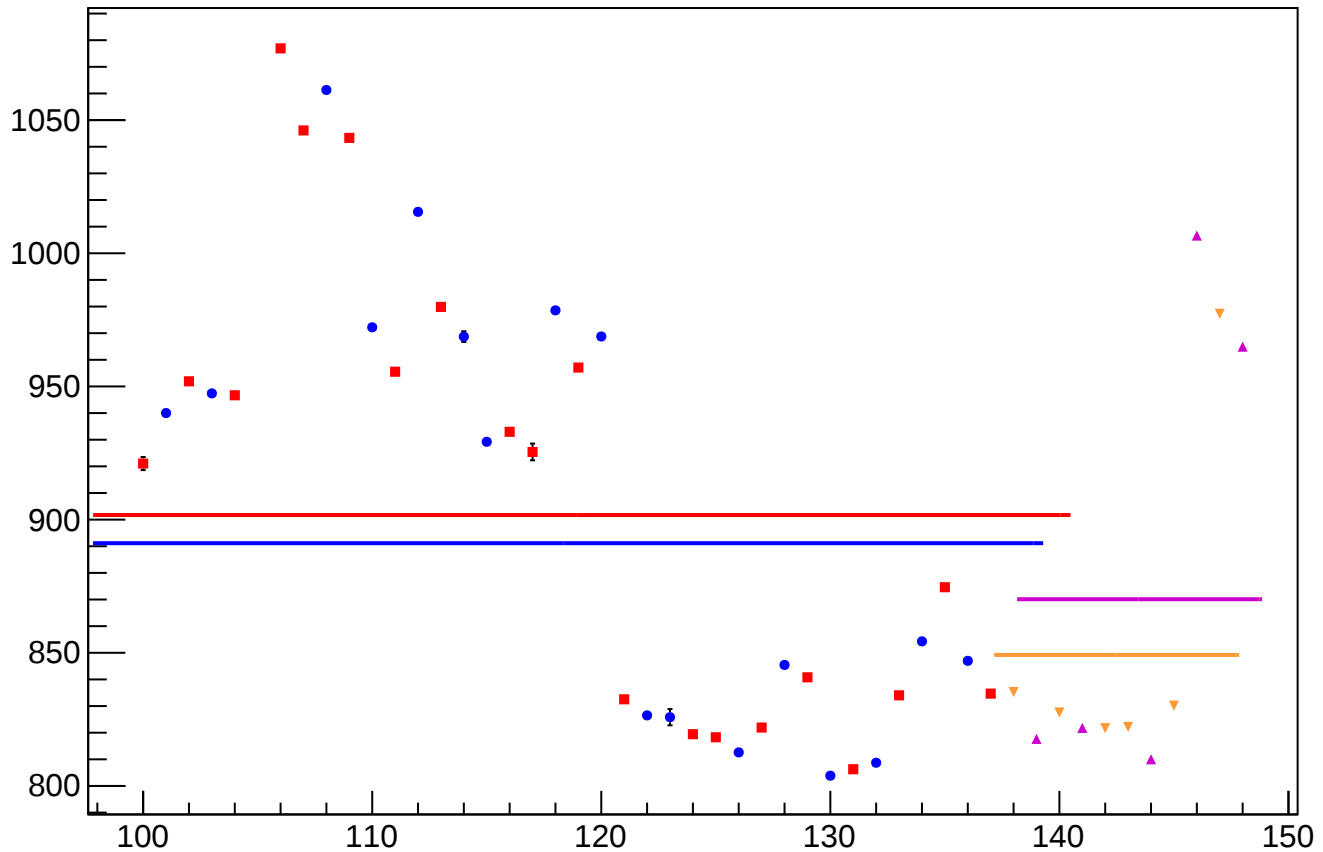
Right Out: -5.632+/-0.337 χ^2/NDF : 301.6/19

Left In: 11.393+/-0.436 χ^2/NDF : 14.3/4

5.689+/-0.265 χ^2/NDF : 920.8/22

0.741+/-0.267 χ^2/NDF : 1268.4/24

diff_bpm2i01X_rms vs Slug



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

Left Out: 849.193 $\pm$ 0.294 χ^2 /NDF:31624.5/5

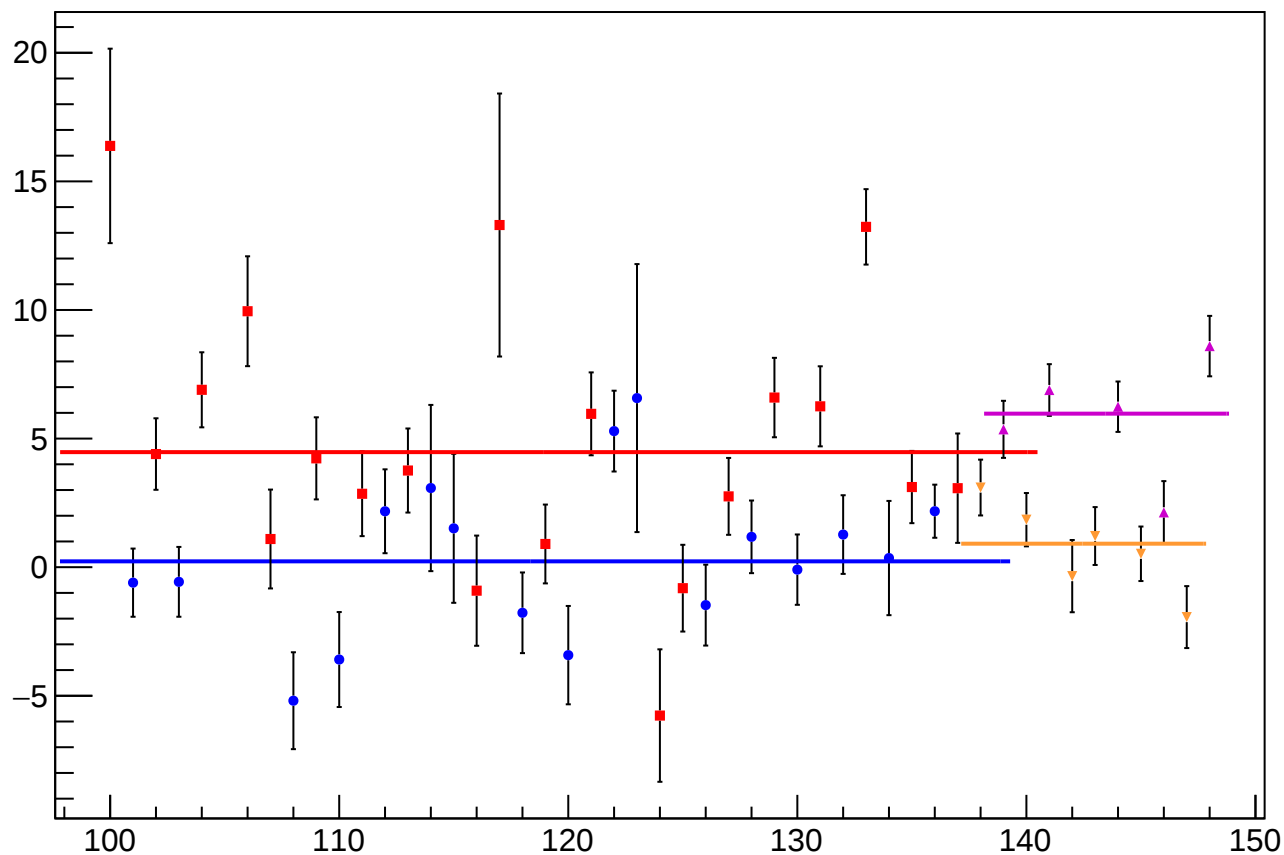
Right Out: 901.725 $\pm$ 0.239 χ^2 /NDF: 114648.1/19

Left In: 870.109 $\pm$ 0.309 χ^2 /NDF:66533.6/4

874.100 $\pm$ 0.188 χ^2 /NDF: 145338.0/22

889.890 $\pm$ 0.189 χ^2 /NDF: 187752.1/24

diff_bpm2i01Y_mean vs Slug



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

Left Out: 0.913 ± 0.463 χ^2/NDF : 11.5/5

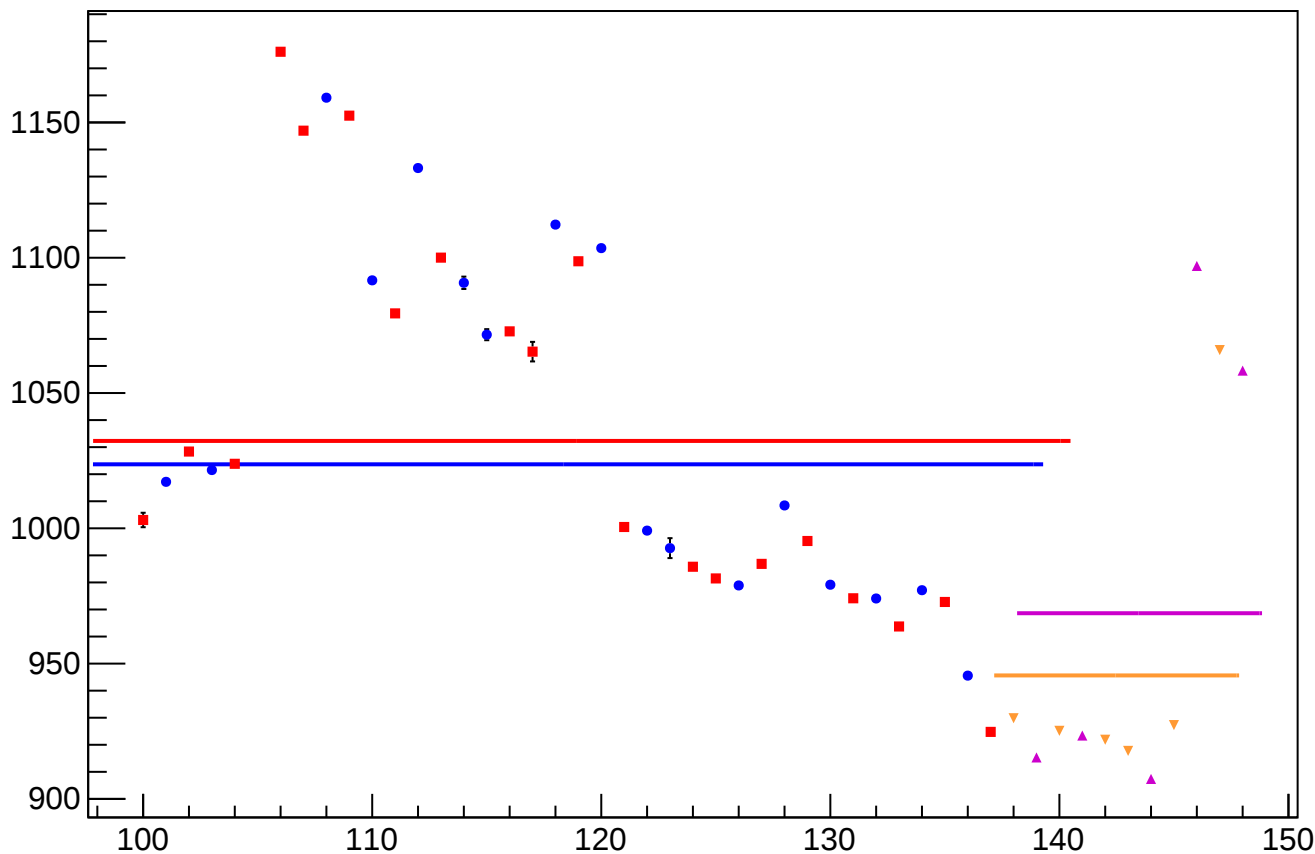
Right Out: 4.473 ± 0.386 χ^2/NDF : 106.3/19

Left In: 5.969 ± 0.485 χ^2/NDF : 16.2/4

0.516 ± 0.301 χ^2/NDF : 51.3/22

5.052 ± 0.302 χ^2/NDF : 128.3/24

diff_bpm2i01Y_rms vs Slug



Right In: 1023.655 $\pm$ 0.279 χ^2 /NDF: 52373.8/16

Left Out: 945.633 $\pm$ 0.328 χ^2 /NDF: 23547.8/5

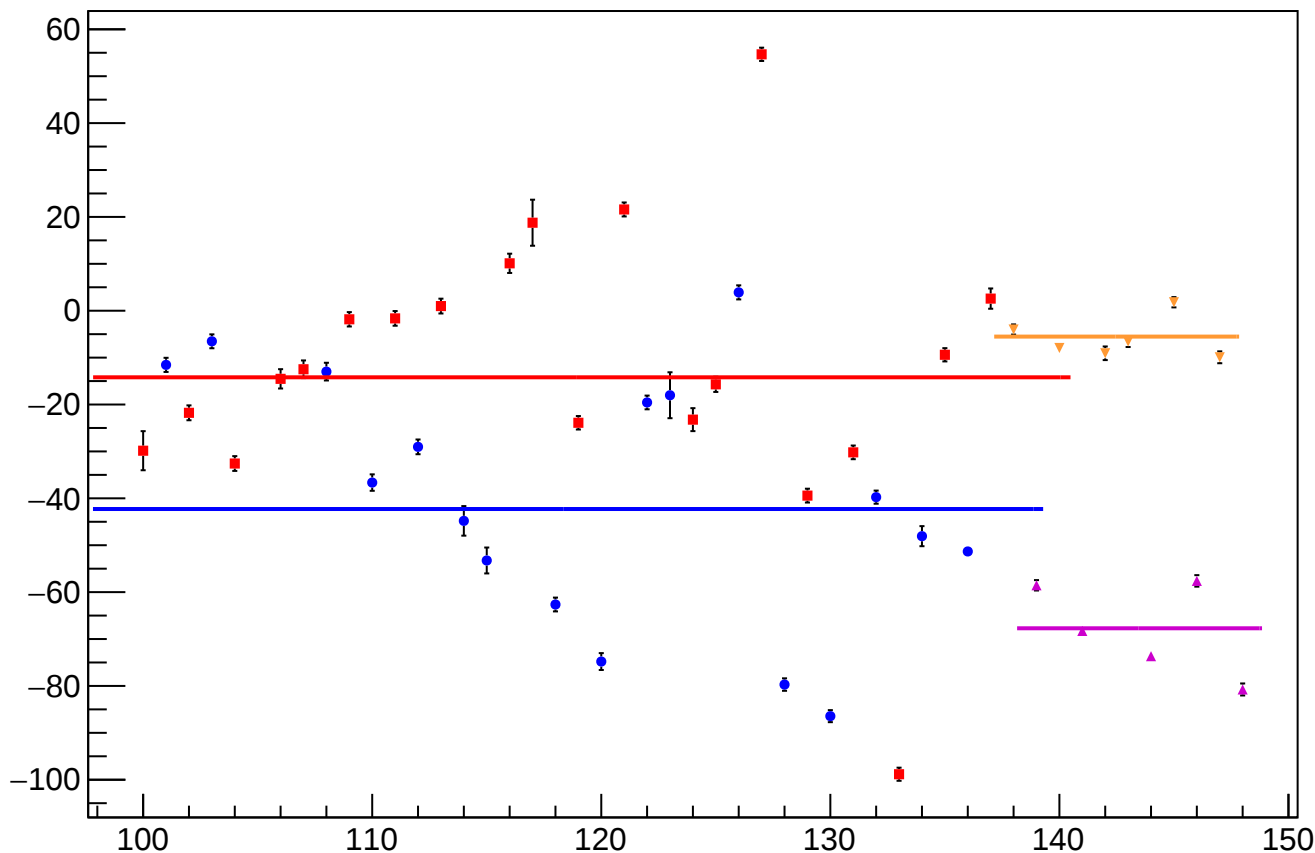
Right Out: 1032.296 $\pm$ 0.273 χ^2 /NDF: 59475.4/19

Left In: 968.621 $\pm$ 0.343 χ^2 /NDF: 50453.1/4

990.821 $\pm$ 0.213 χ^2 /NDF: 108760.9/22

1007.647 $\pm$ 0.213 χ^2 /NDF: 131038.1/24

diff_bpm2i02X_mean vs Slug



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

Left Out: -5.516 ± 0.477 χ^2/NDF : 70.5/5

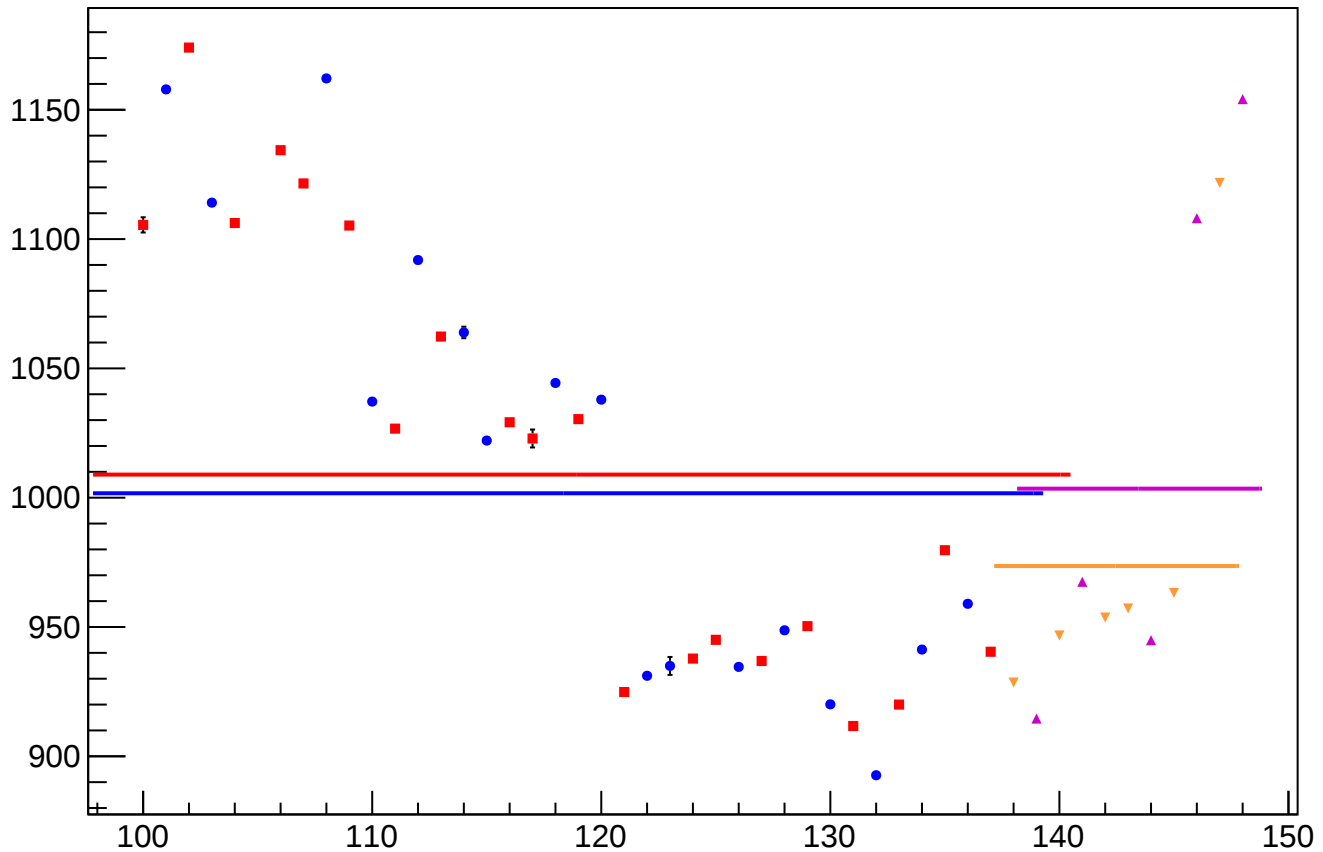
Right Out: -14.197 ± 0.377 χ^2/NDF : 7715.1/19

Left In: -67.710 ± 0.503 χ^2/NDF : 274.2/4

-27.687 ± 0.301 χ^2/NDF : 8776.7/22

-33.464 ± 0.302 χ^2/NDF : 15230.3/24

diff_bpm2i02X_rms vs Slug



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

Left Out: 973.575+/-0.337 χ^2/NDF :33015.5/5

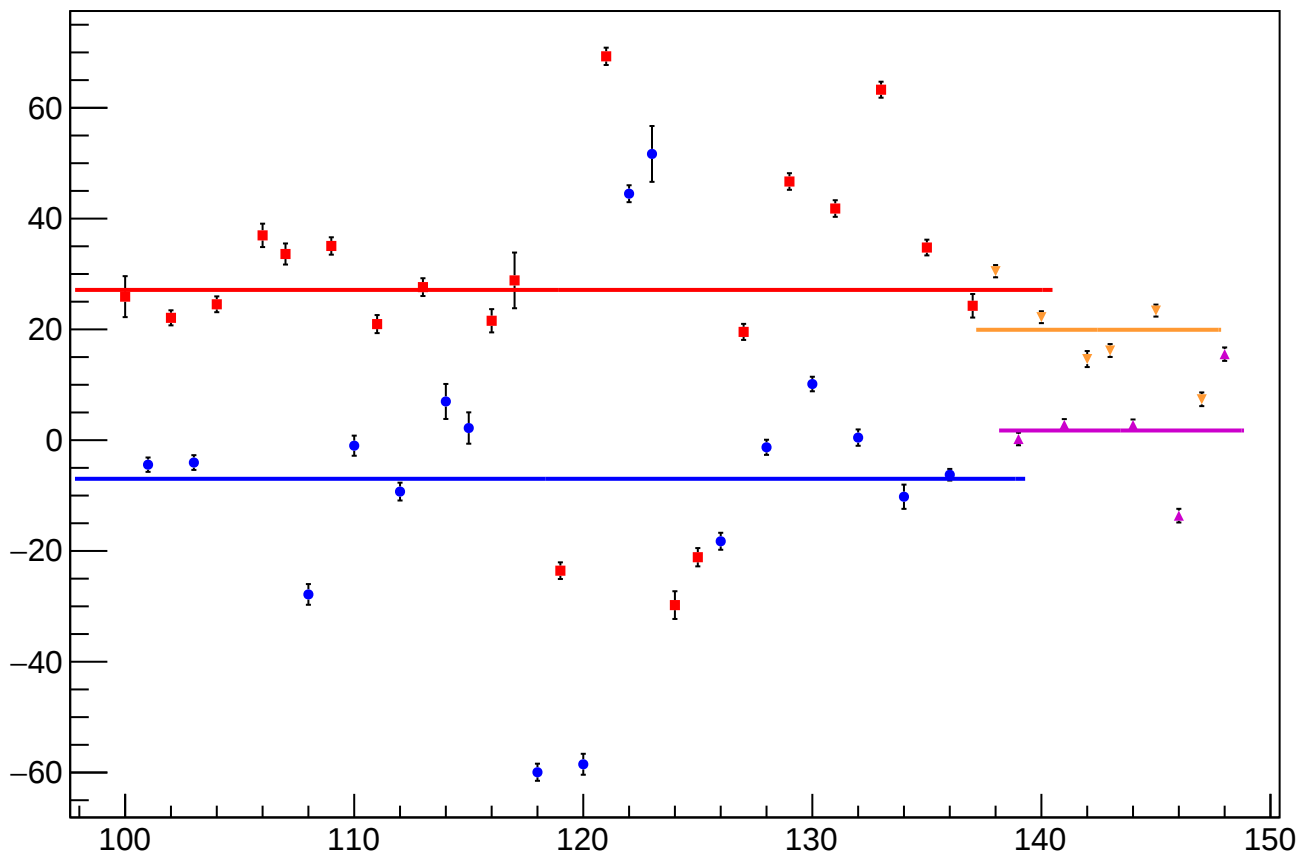
Right Out: 1008.931+/-0.267 χ^2/NDF : 95366.1/19

Left In: 1003.496+/-0.356 χ^2/NDF :63984.8/4

990.540+/-0.213 χ^2/NDF : 132687.2/22

1006.974+/-0.213 χ^2/NDF : 159500.3/24

diff_bpm2i02Y_mean vs Slug



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

Left Out: 19.930 ± 0.477 χ^2/NDF : 232.1/5

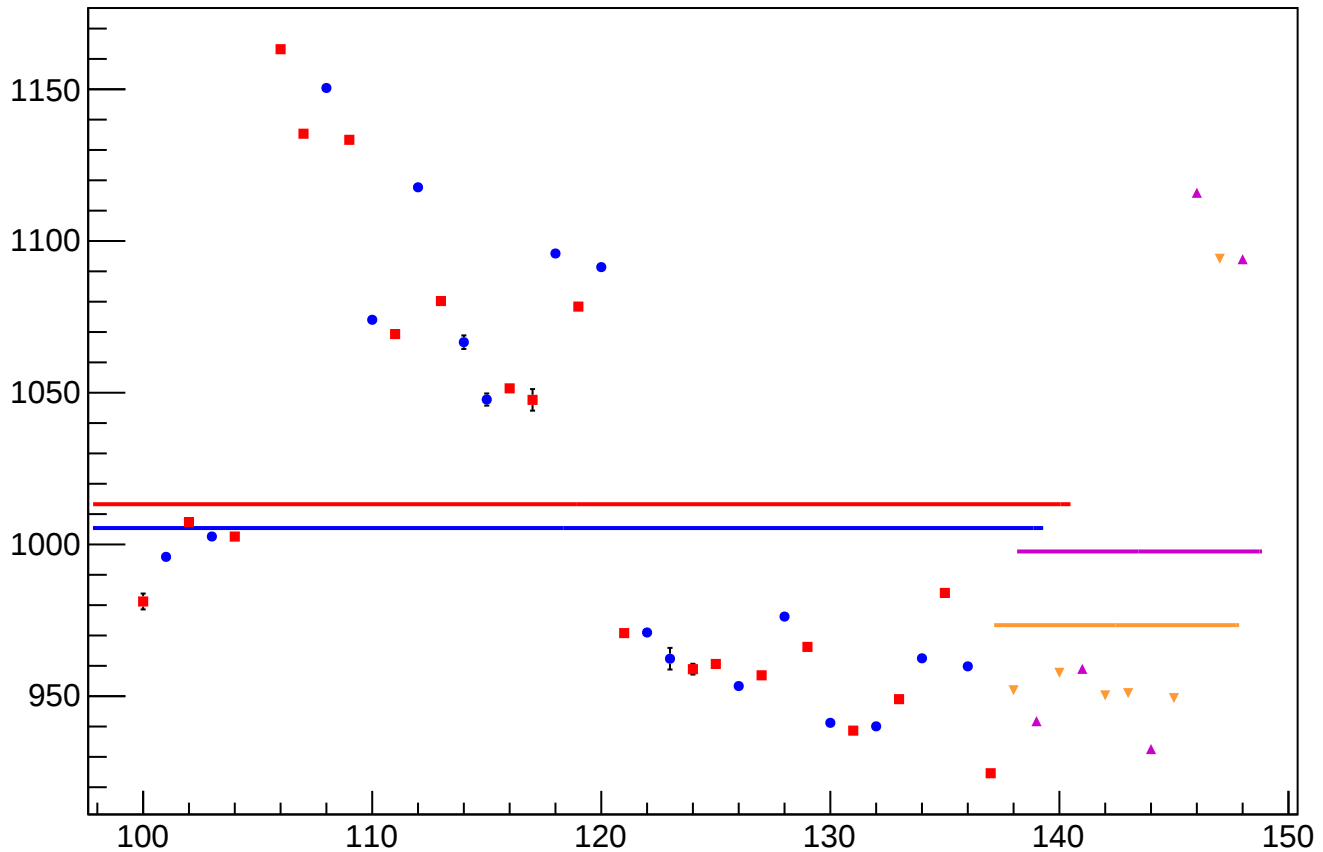
Right Out: 27.125 ± 0.379 χ^2/NDF : 4283.6/19

Left In: 1.747 ± 0.500 χ^2/NDF : 287.3/4

3.740 ± 0.301 χ^2/NDF : 5784.1/22

17.871 ± 0.302 χ^2/NDF : 6210.2/24

diff_bpm2i02Y_rms vs Slug



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

Left Out: 973.405+/-0.337 χ^2/NDF : 22493.3/5

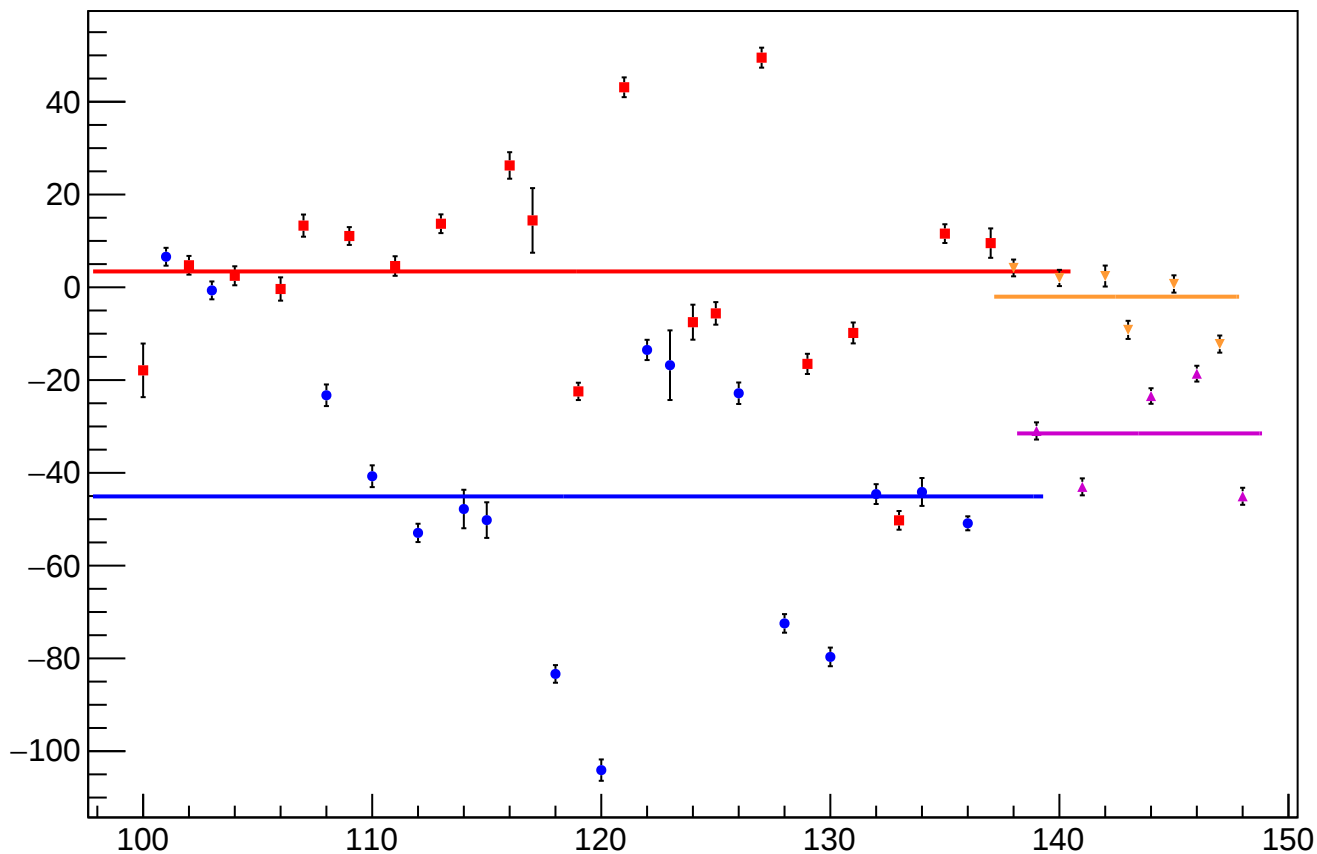
Right Out: 1013.260+/-0.268 χ^2/NDF : 63359.8/19

Left In: 997.687+/-0.353 χ^2/NDF : 46797.9/4

992.664+/-0.213 χ^2/NDF : 82499.4/22

1007.581+/-0.213 χ^2/NDF : 111392.3/24

diff_bpm0i02X_mean vs Slug



Right In: -45.081 ± 0.540 $\chi^2/\text{NDF}: 3238.1/16$

Left Out: -2.021 ± 0.774 $\chi^2/\text{NDF}: 67.1/5$

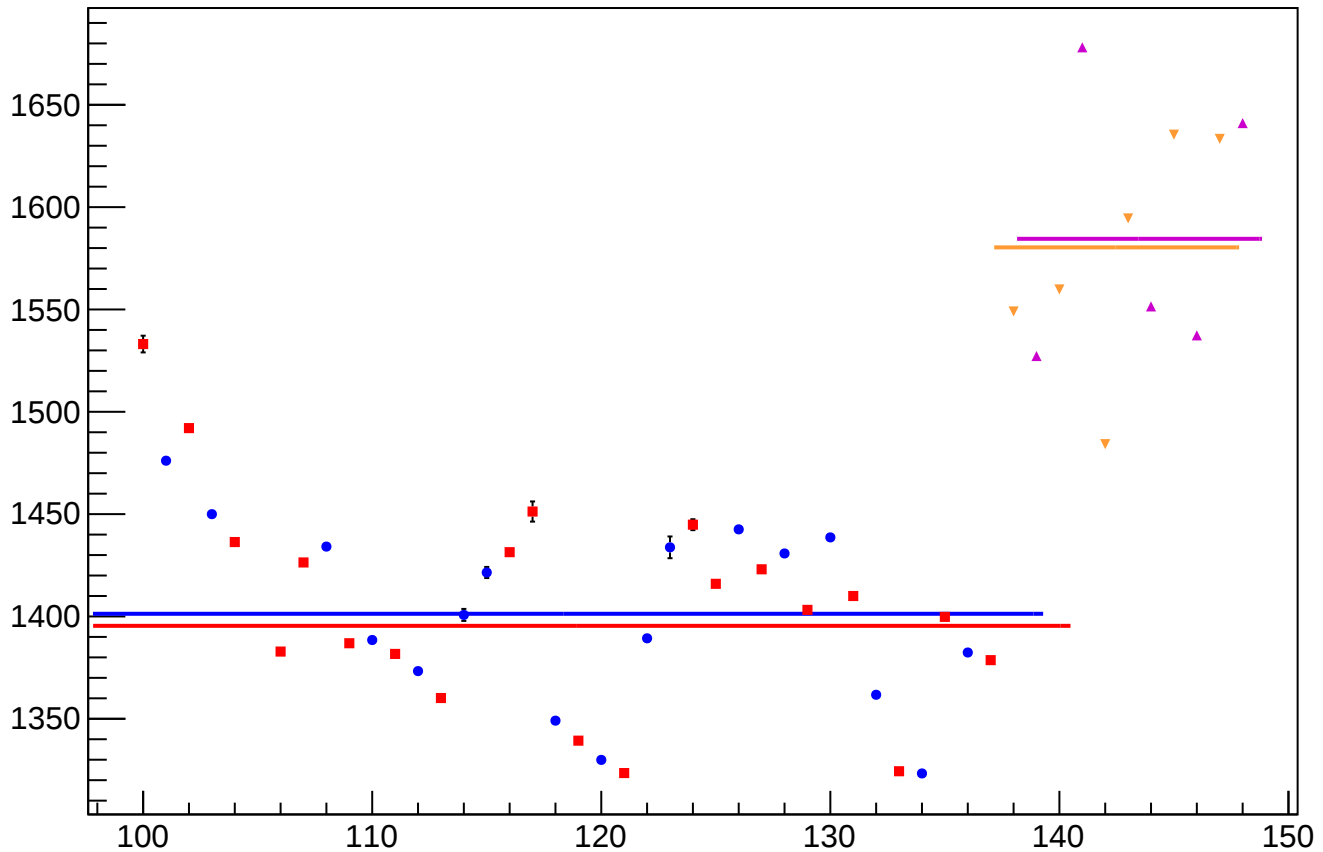
Right Out: 3.419 ± 0.520 $\chi^2/\text{NDF}: 2008.2/19$

Left In: -31.499 ± 0.794 $\chi^2/\text{NDF}: 174.5/4$

-30.985 ± 0.443 $\chi^2/\text{NDF}: 5389.1/22$

-7.076 ± 0.435 $\chi^2/\text{NDF}: 3536.1/24$

diff_bpm0i02X_rms vs Slug



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

Left Out: 1580.341 ± 0.547 $\chi^2/\text{NDF}: 7990.3/5$

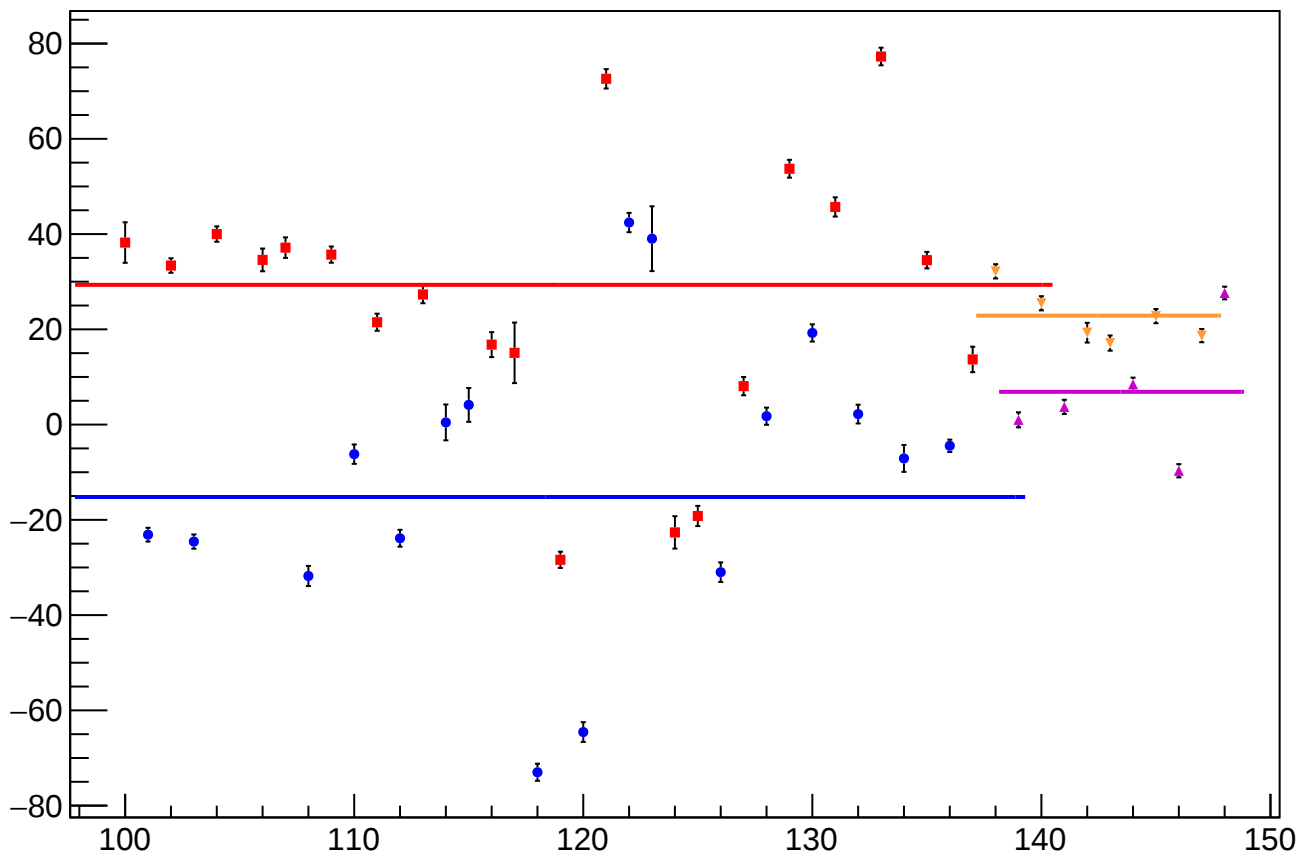
Right Out: 1395.419 ± 0.368 $\chi^2/\text{NDF}: 15649.3/19$

Left In: 1584.524 ± 0.561 $\chi^2/\text{NDF}: 11343.4/4$

1459.915 ± 0.313 $\chi^2/\text{NDF}: 92891.4/22$

1452.256 ± 0.308 $\chi^2/\text{NDF}: 106382.5/24$

diff_bpm0i02Y_mean vs Slug



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

Left Out: 22.883 ± 0.634 χ^2/NDF : 66.7/5

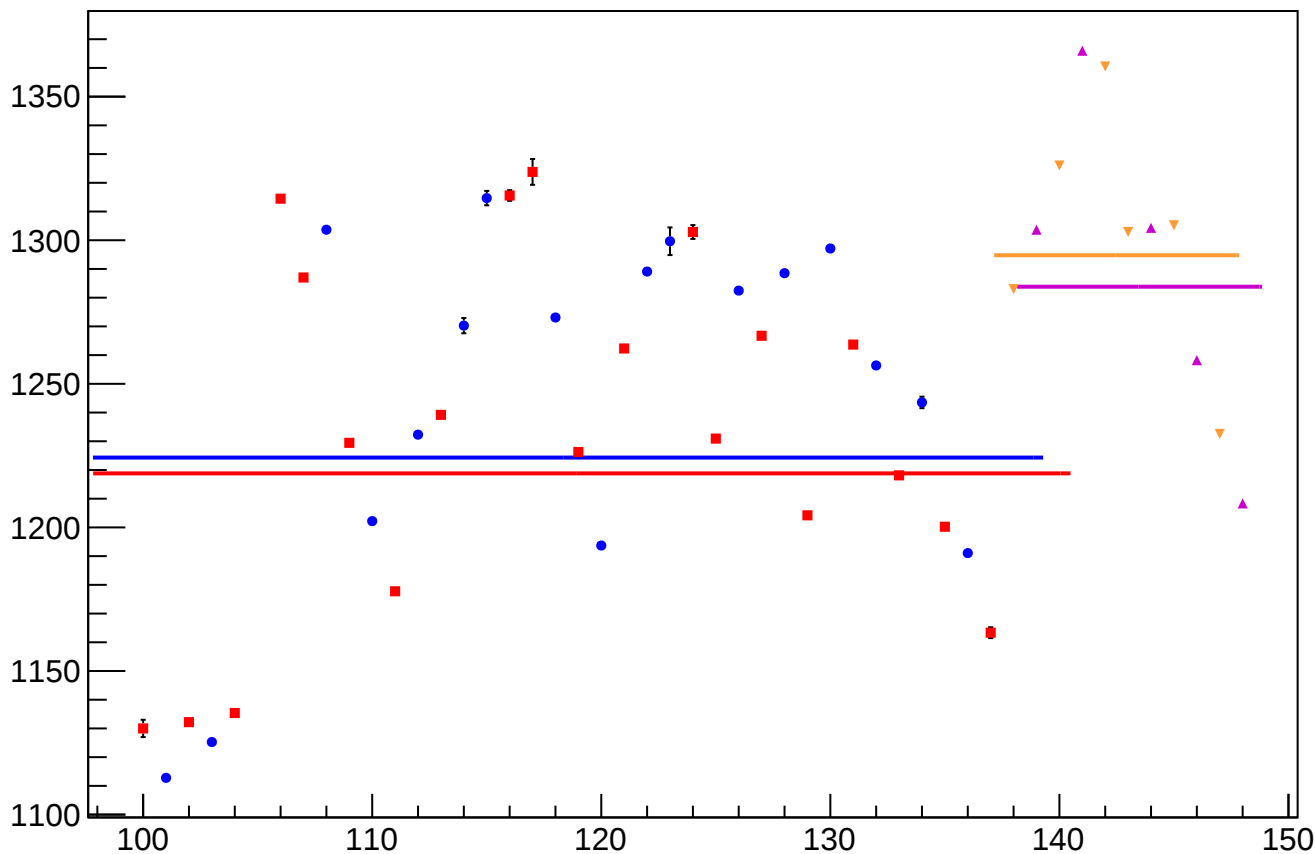
Right Out: 29.344 ± 0.455 χ^2/NDF : 3549.9/19

Left In: 6.883 ± 0.642 χ^2/NDF : 400.4/4

-1.609 ± 0.379 χ^2/NDF : 5751.7/22

21.840 ± 0.371 χ^2/NDF : 4764.4/24

diff_bpm0i02Y_rms vs Slug



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

Left Out: 1294.771 ± 0.448 χ^2/NDF : 7160.1/5

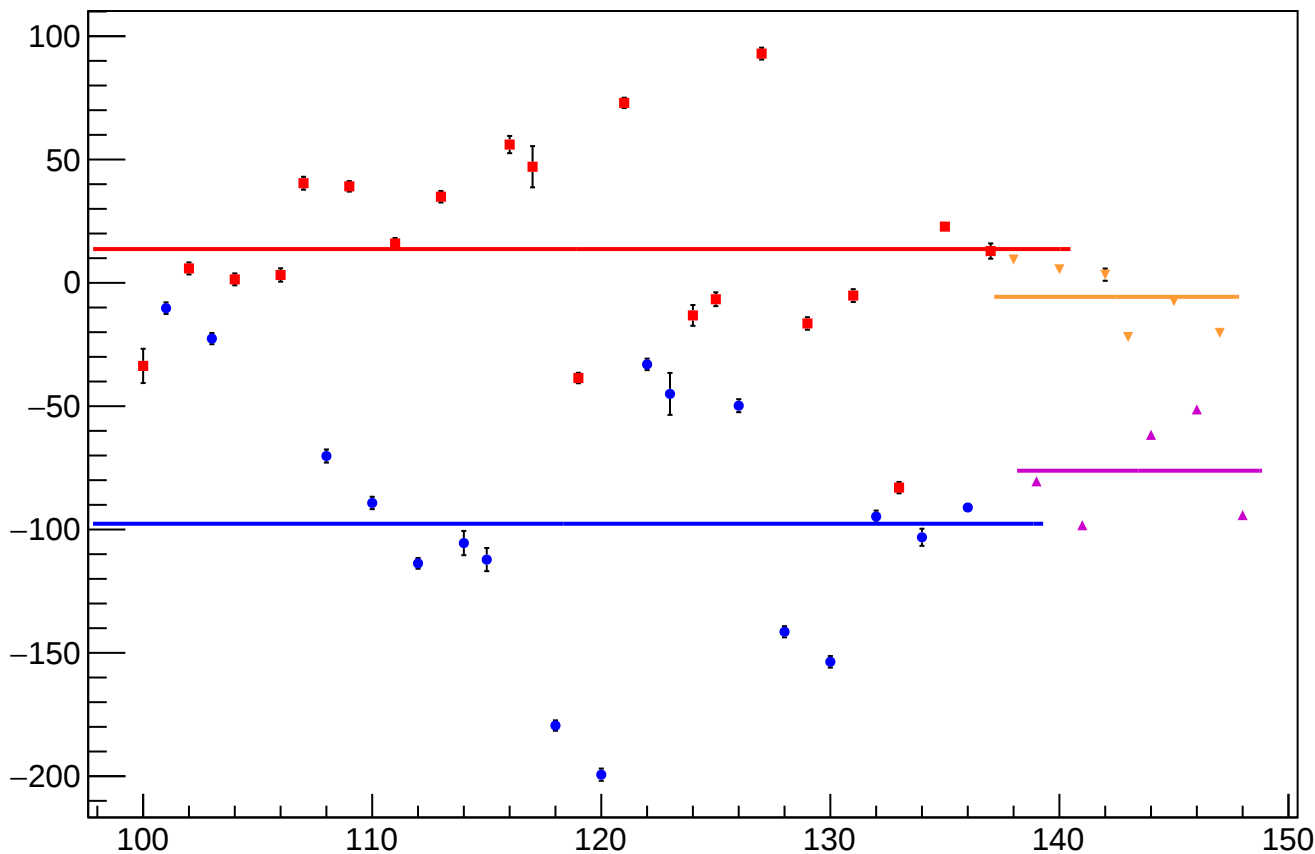
Right Out: 1218.817 ± 0.322 χ^2/NDF : 28121.5/19

Left In: 1283.817 ± 0.454 χ^2/NDF : 13801.5/4

1249.465 ± 0.268 χ^2/NDF : 61833.7/22

1240.534 ± 0.263 χ^2/NDF : 55558.5/24

diff_bpm0i02aX_mean vs Slug



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

Left Out: -5.667 ± 0.793 χ^2/NDF : 248.4/5

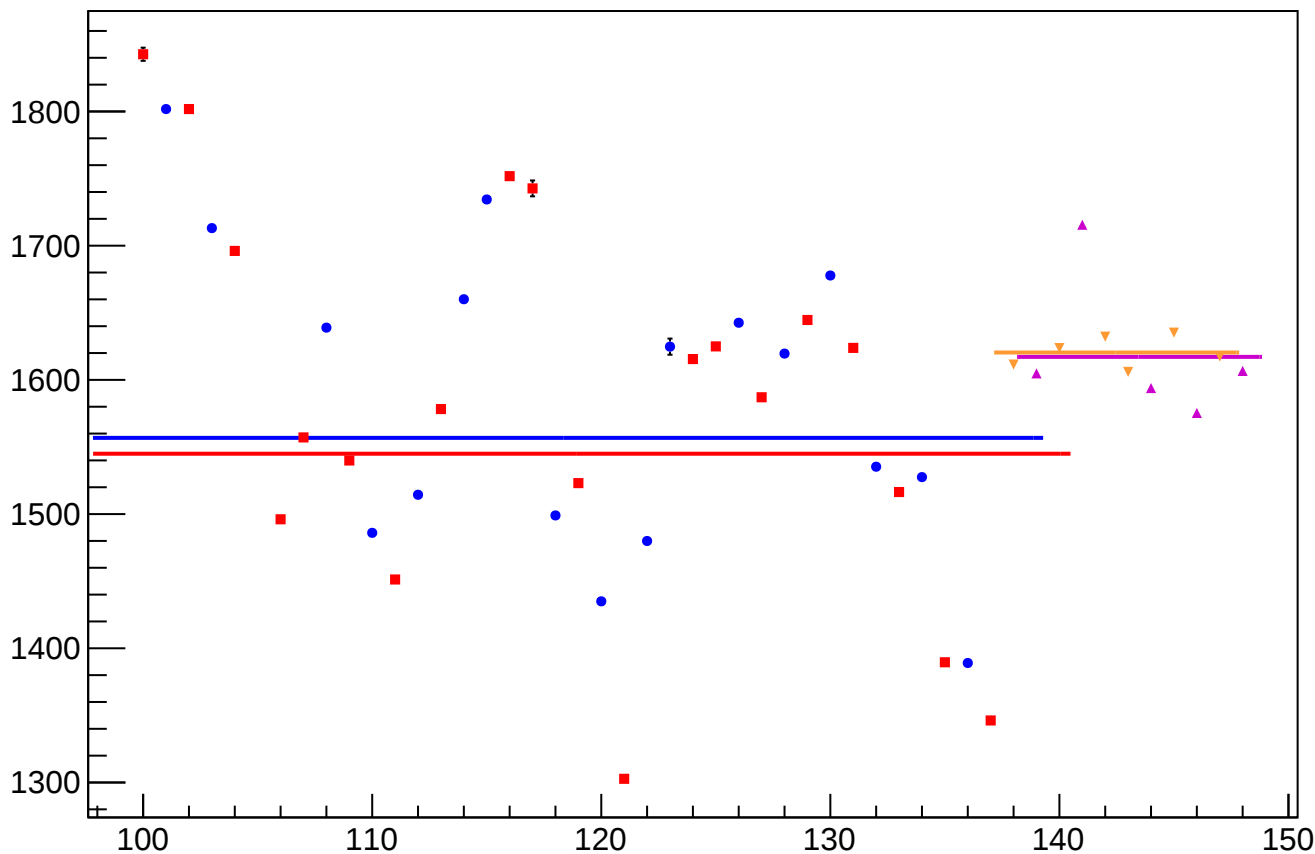
Right Out: 13.698 ± 0.578 χ^2/NDF : 5144.2/19

Left In: -76.157 ± 0.809 χ^2/NDF : 519.6/4

-64.059 ± 0.479 χ^2/NDF : 16732.8/22

-16.663 ± 0.470 χ^2/NDF : 13830.2/24

diff_bpm0i02aX_rms vs Slug



Right In: 1556.799 ± 0.425 $\chi^2/\text{NDF}: 81549.2/16$

Left Out: 1620.408 ± 0.561 $\chi^2/\text{NDF}: 336.2/5$

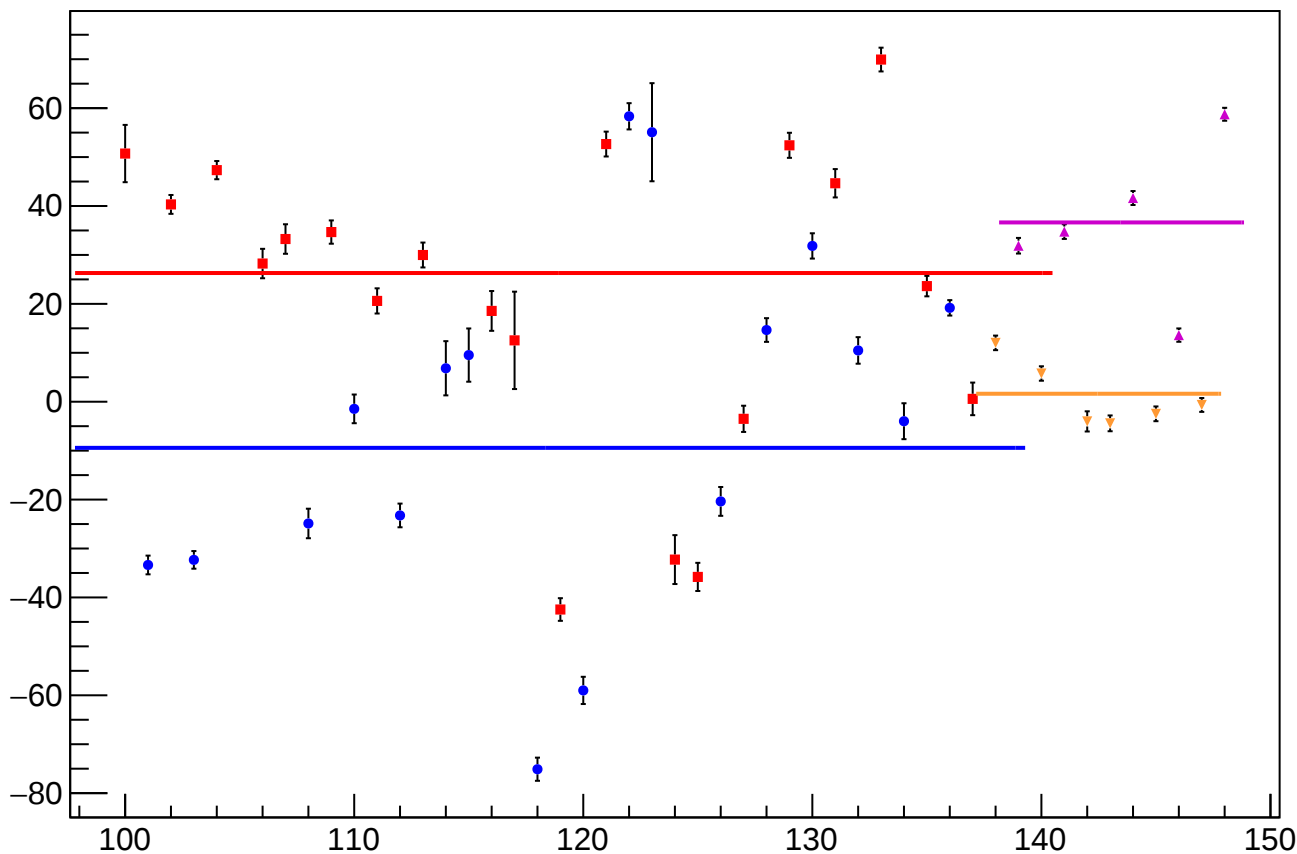
Right Out: 1544.983 ± 0.409 $\chi^2/\text{NDF}: 101624.6/19$

Left In: 1617.144 ± 0.572 $\chi^2/\text{NDF}: 7185.4/4$

1580.032 ± 0.339 $\chi^2/\text{NDF}: 90059.4/22$

1569.366 ± 0.333 $\chi^2/\text{NDF}: 119343.8/24$

diff_bpm0i02aY_mean vs Slug



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

Left Out: 1.630+/-0.637 χ^2 /NDF:88.2/5

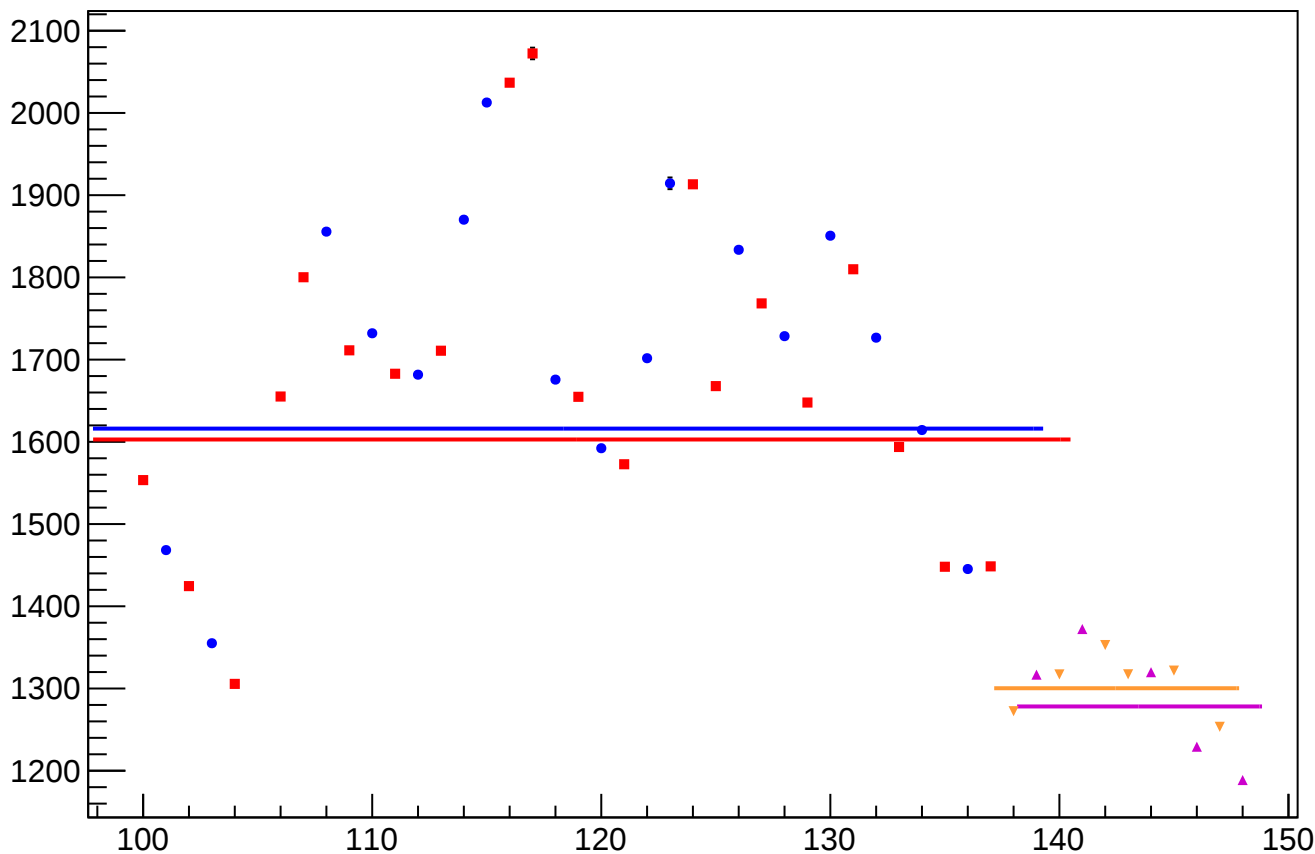
Right Out: 26.304+/-0.602 χ^2 /NDF: 2474.0/19

Left In: 36.642+/-0.640 χ^2 /NDF:588.0/4

-3.988+/-0.447 χ^2 /NDF: 3165.6/22

31.152+/-0.438 χ^2 /NDF: 3200.4/24

diff_bpm0i02aY_rms vs Slug



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

Left Out: 1300.329 ± 0.450 χ^2/NDF : 5081.6/5

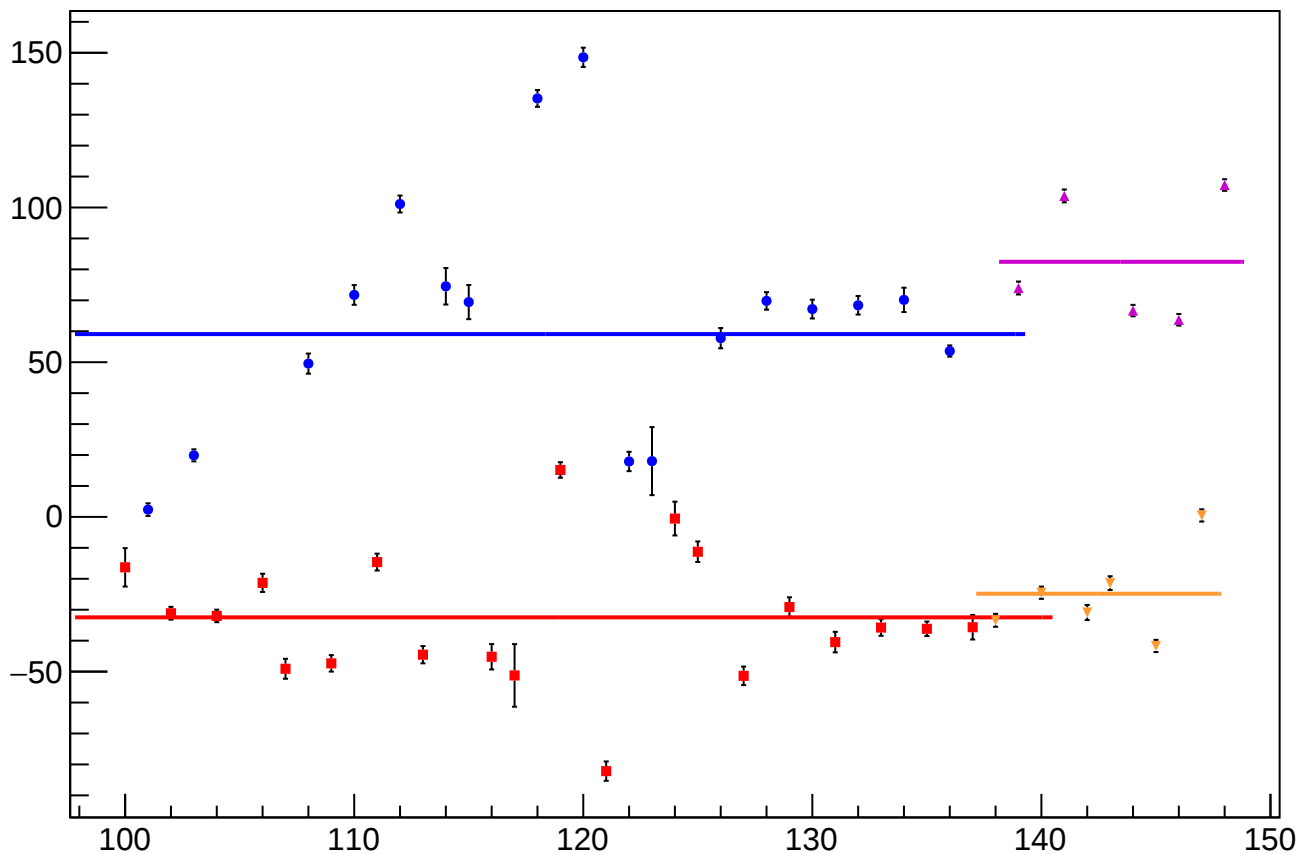
Right Out: 1602.857 ± 0.425 χ^2/NDF : 158119.5/19

Left In: 1278.168 ± 0.453 χ^2/NDF : 22524.5/4

1460.750 ± 0.316 χ^2/NDF : 404658.7/22

1450.579 ± 0.310 χ^2/NDF : 453787.5/24

diff_bpm0i05X_mean vs Slug



Right In: 59.081+/-0.699 χ^2 /NDF: 3293.6/16

Left Out: -24.832+/-0.856 χ^2 /NDF:263.1/5

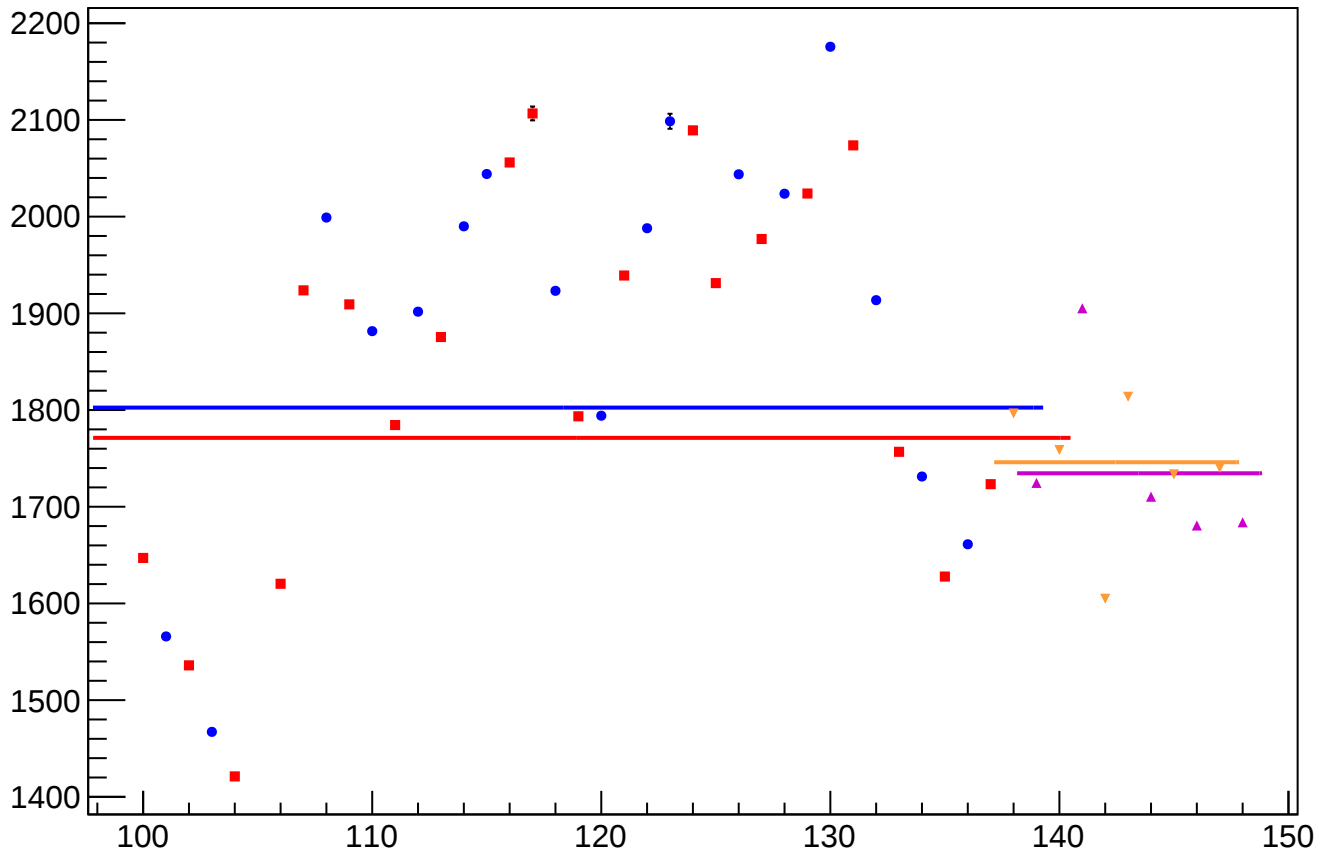
Right Out: -32.463+/-0.665 χ^2 /NDF: 894.9/19

Left In: 82.447+/-0.869 χ^2 /NDF:469.8/4

25.481+/-0.542 χ^2 /NDF: 9319.8/22

9.968+/-0.528 χ^2 /NDF: 12388.9/24

diff_bpm0i05X_rms vs Slug



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

Left Out: 1746.019+/-0.605 χ^2/NDF : 9831.9/5

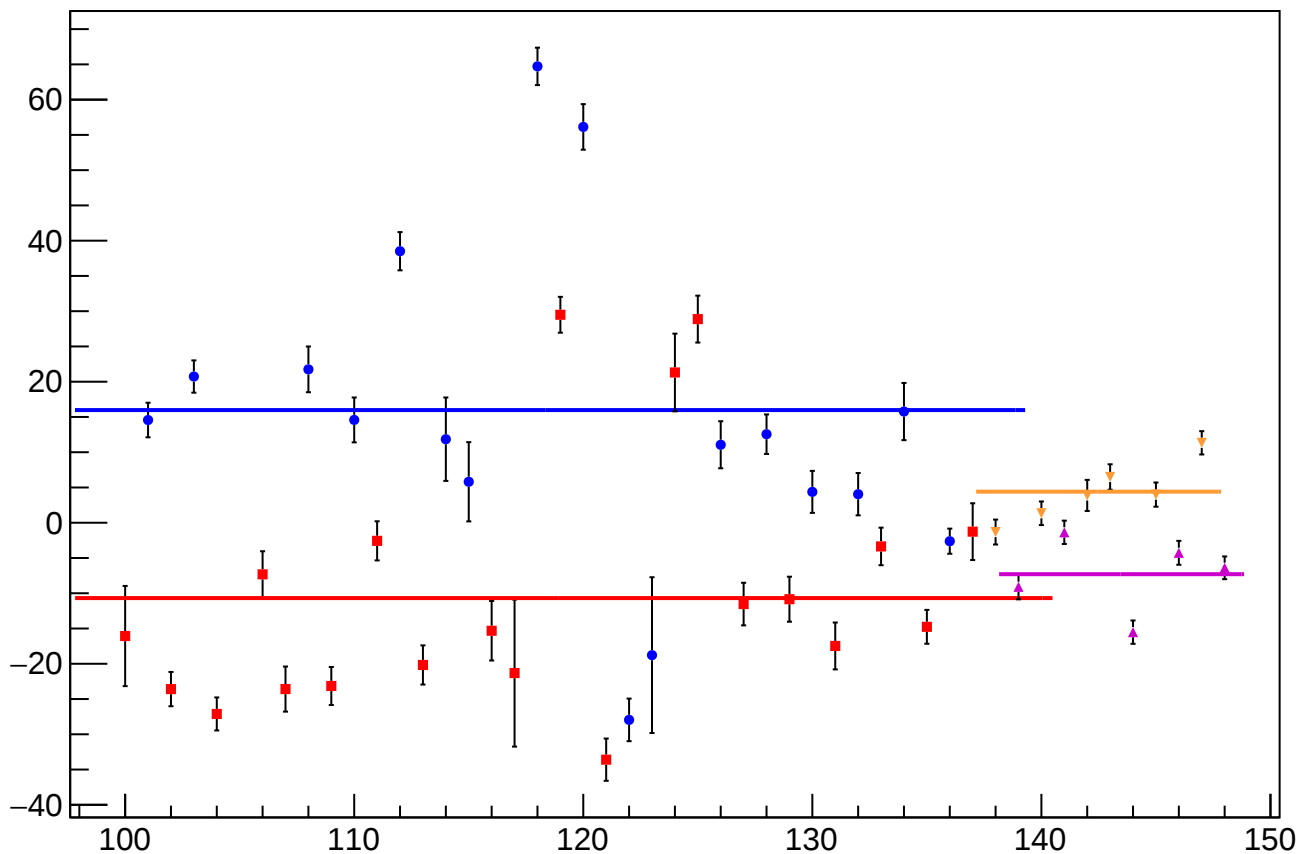
Right Out: 1771.228+/-0.470 χ^2/NDF : 180101.6/19

Left In: 1734.606+/-0.615 χ^2/NDF : 16947.0/4

1779.898+/-0.383 χ^2/NDF : 199127.1/22

1757.705+/-0.373 χ^2/NDF : 199288.0/24

diff_bpm0i05Y_mean vs Slug



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

Left Out: 4.407 ± 0.726 χ^2/NDF : 32.8/5

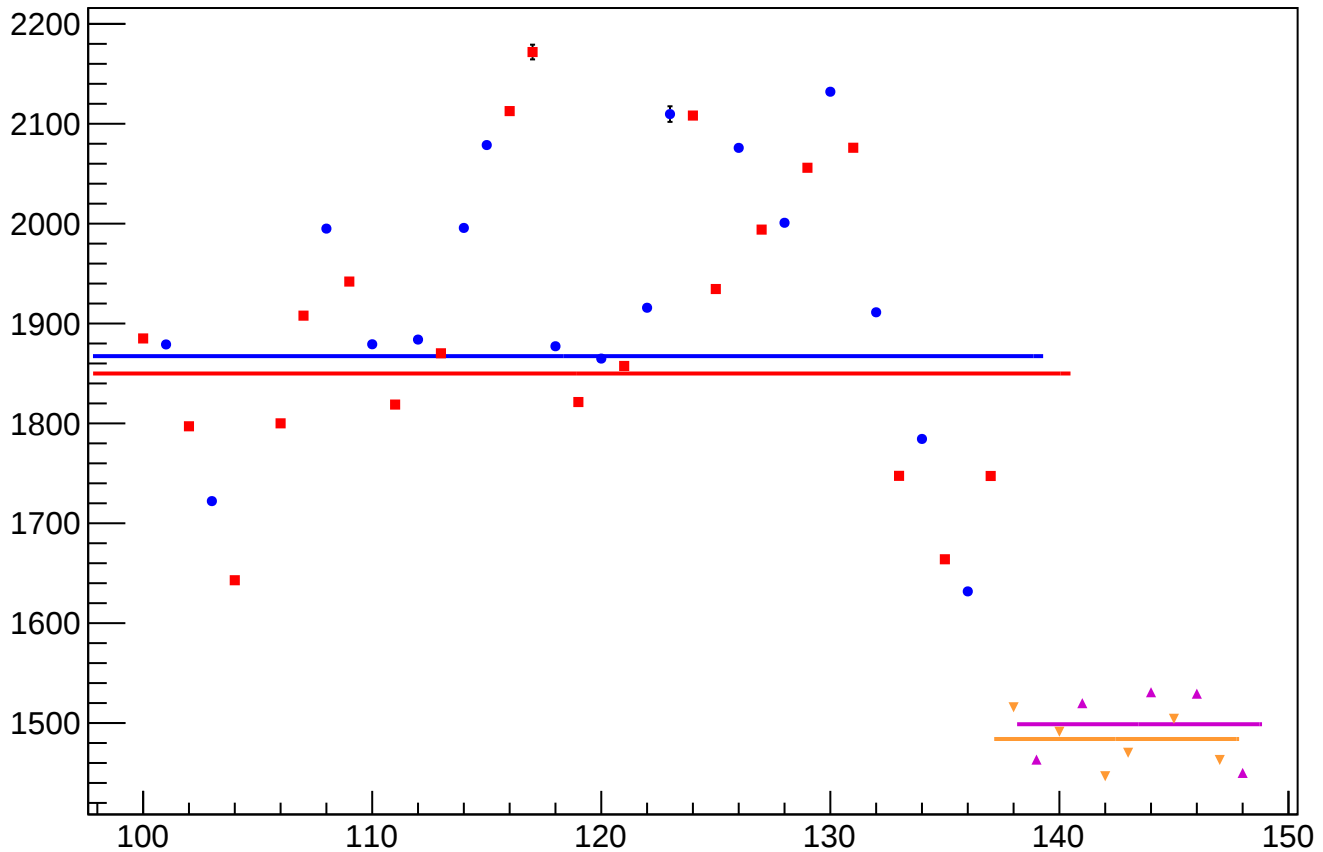
Right Out: -10.685 ± 0.692 χ^2/NDF : 643.2/19

Left In: -7.296 ± 0.749 χ^2/NDF : 42.0/4

10.227 ± 0.512 χ^2/NDF : 1098.9/22

-9.125 ± 0.508 χ^2/NDF : 696.2/24

diff_bpm0i05Y_rms vs Slug



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

Left Out: 1484.018 $\pm$ 0.513 χ^2 /NDF:1972.1/5

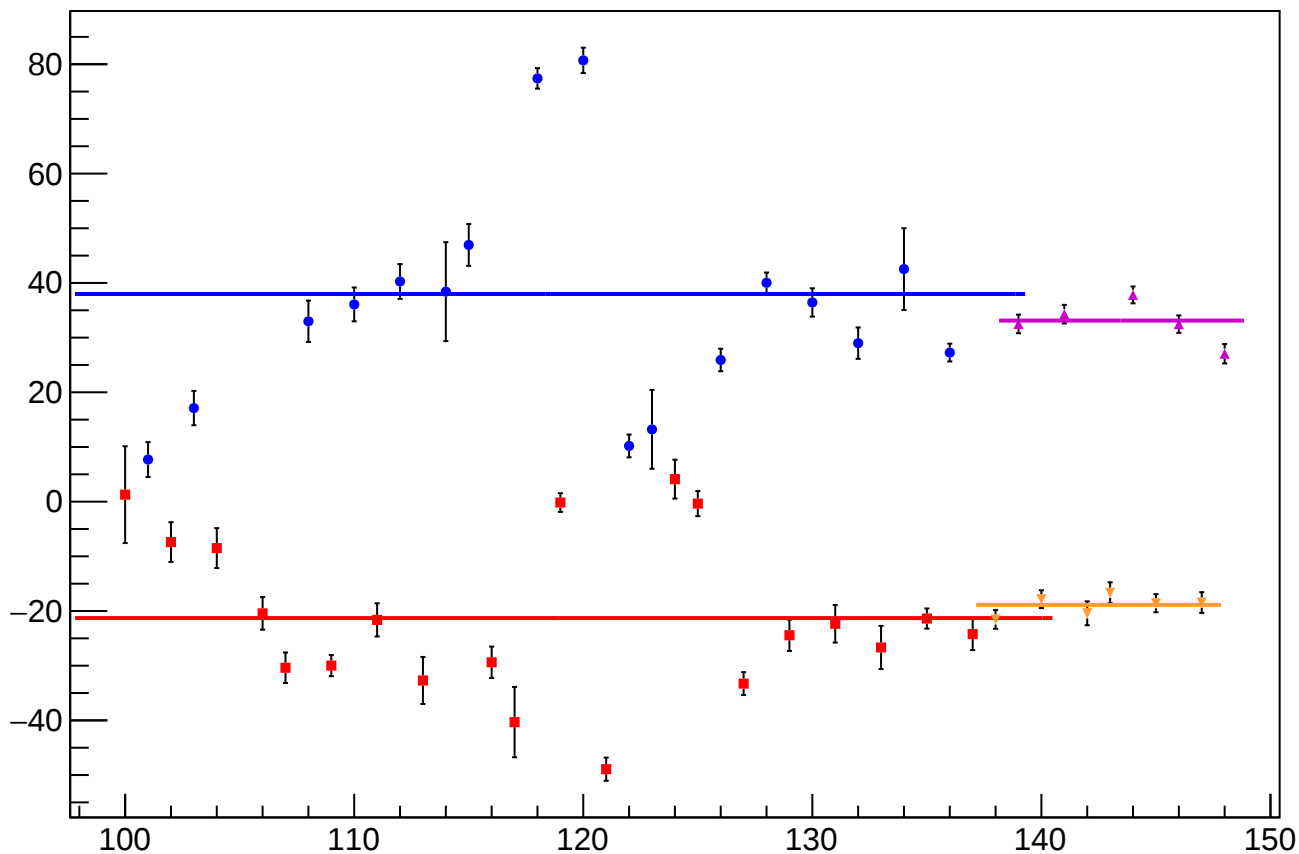
Right Out: 1849.954 $\pm$ 0.489 χ^2 /NDF: 74440.9/19

Left In: 1498.796 $\pm$ 0.530 χ^2 /NDF:4352.8/4

1676.874 $\pm$ 0.362 χ^2 /NDF: 363311.6/22

1688.385 $\pm$ 0.359 χ^2 /NDF: 315881.1/24

diff_bpm0i07X_mean vs Slug



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

Left Out: -18.876 ± 0.737 $\chi^2/\text{NDF}: 4.8/5$

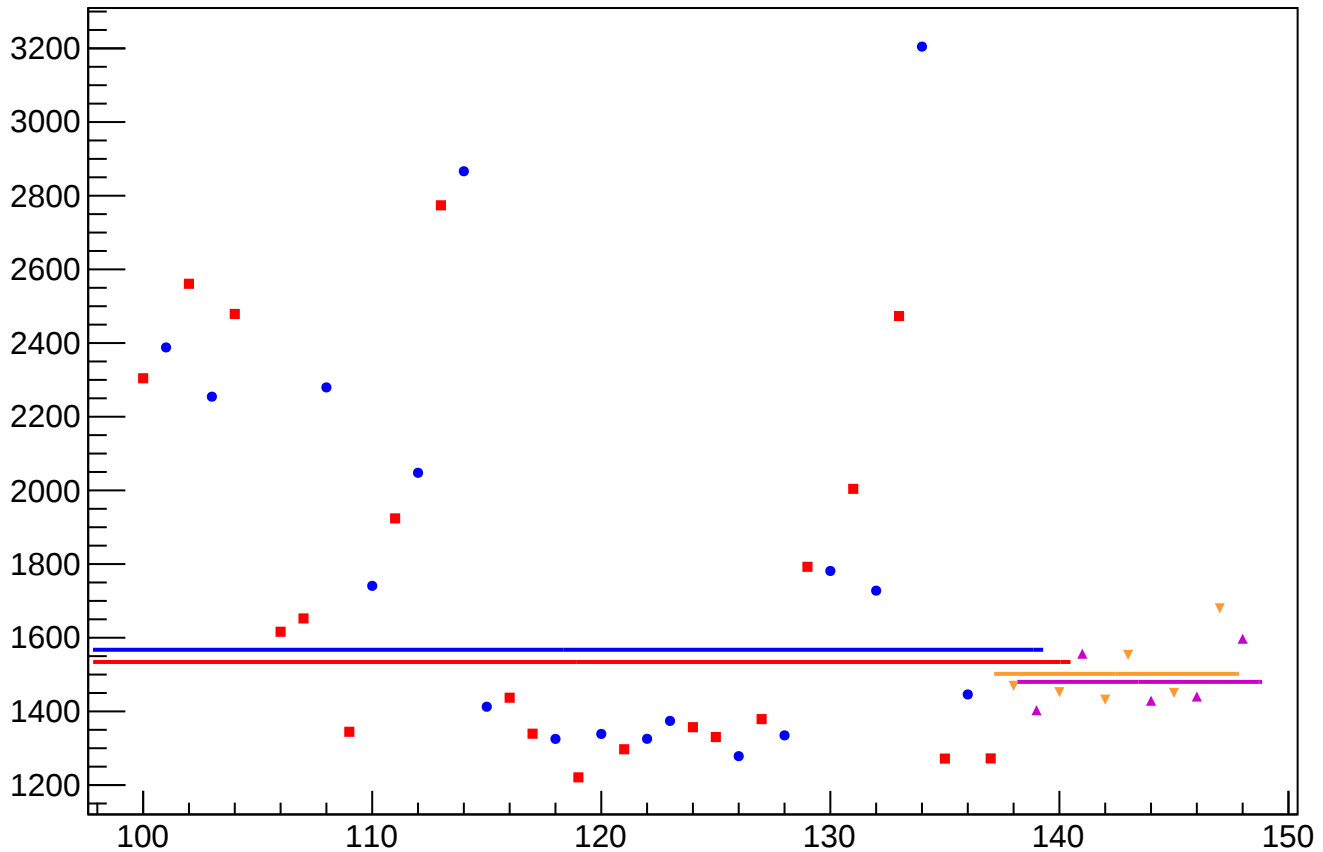
Right Out: -21.294 ± 0.606 $\chi^2/\text{NDF}: 582.5/19$

Left In: 33.119 ± 0.742 $\chi^2/\text{NDF}: 21.6/4$

13.636 ± 0.482 $\chi^2/\text{NDF}: 4615.9/22$

0.465 ± 0.469 $\chi^2/\text{NDF}: 3831.9/24$

diff_bpm0i07X_rms vs Slug



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

Left Out: 1501.915+/-0.521 χ^2 /NDF:25569.0/5

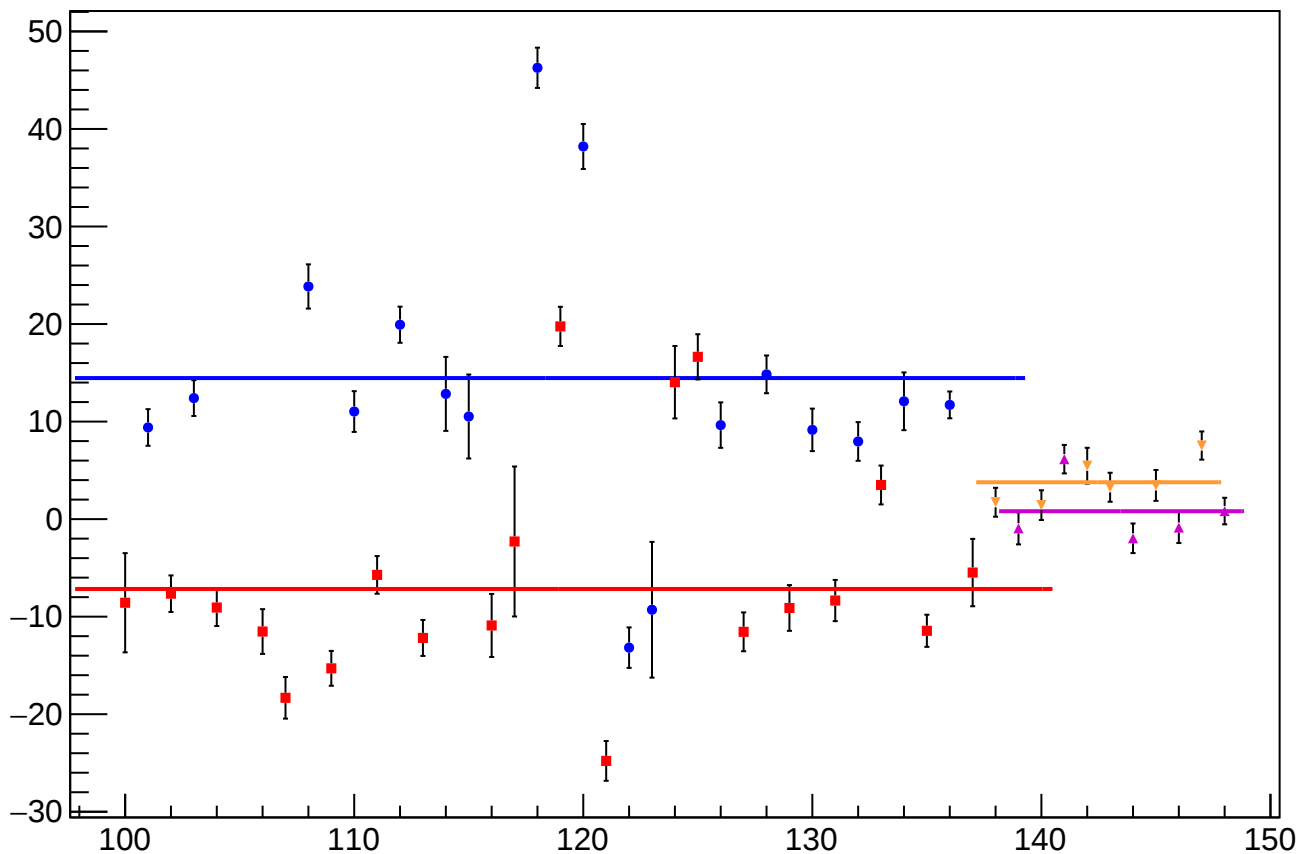
Right Out: 1534.225+/-0.428 χ^2 /NDF: 883947.6/19

Left In: 1480.143+/-0.525 χ^2 /NDF:20225.0/4

1539.322+/-0.341 χ^2 /NDF: 708039.3/22

1512.598+/-0.332 χ^2 /NDF: 910550.1/24

diff_bpm0i07Y_mean vs Slug



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

Left Out: 3.780 ± 0.631 χ^2/NDF : 12.1/5

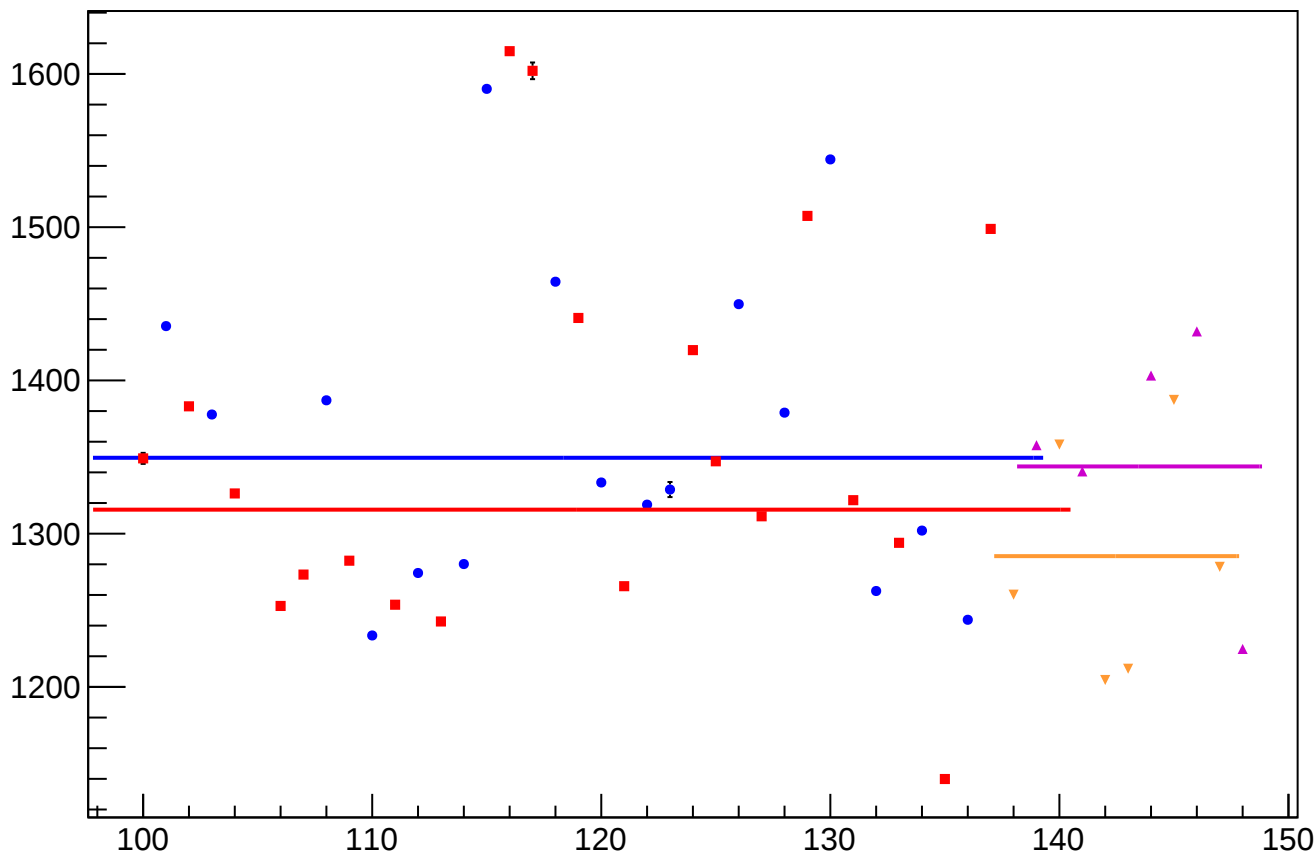
Right Out: -7.161 ± 0.493 χ^2/NDF : 496.1/19

Left In: 0.811 ± 0.673 χ^2/NDF : 18.9/4

10.108 ± 0.403 χ^2/NDF : 777.8/22

-4.375 ± 0.398 χ^2/NDF : 606.2/24

diff_bpm0i07Y_rms vs Slug



Right In: 1349.522 $\pm$ 0.370 χ^2 /NDF: 64667.6/16

Left Out: 1285.333 $\pm$ 0.446 χ^2 /NDF: 22240.0/5

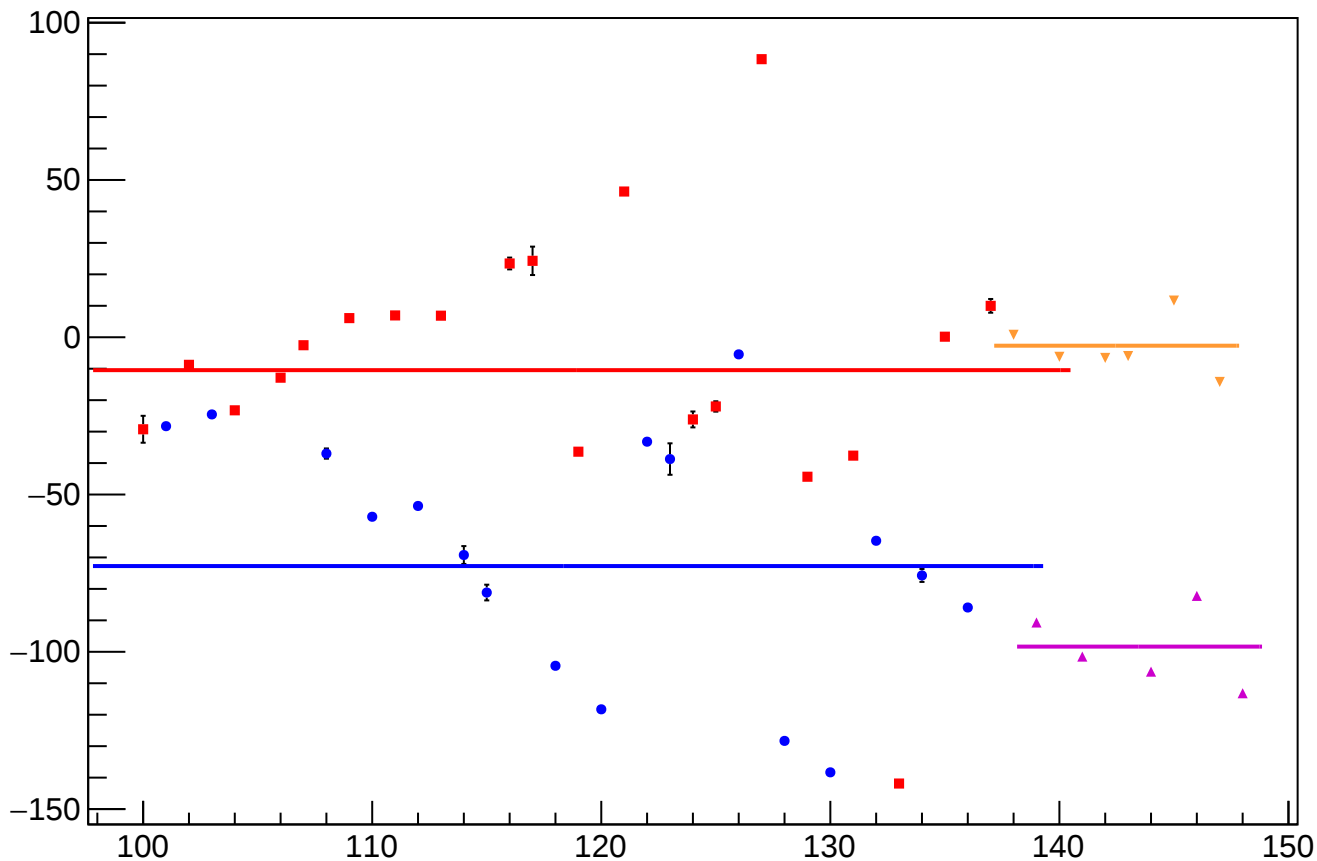
Right Out: 1315.669 $\pm$ 0.349 χ^2 /NDF: 83739.0/19

Left In: 1343.868 $\pm$ 0.476 χ^2 /NDF: 24655.9/4

1323.364 $\pm$ 0.285 χ^2 /NDF: 99174.6/22

1325.524 $\pm$ 0.281 χ^2 /NDF: 110678.4/24

diff_bpm1i02X_mean vs Slug



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

Left Out: -2.686 ± 0.464 $\chi^2/\text{NDF}: 313.3/5$

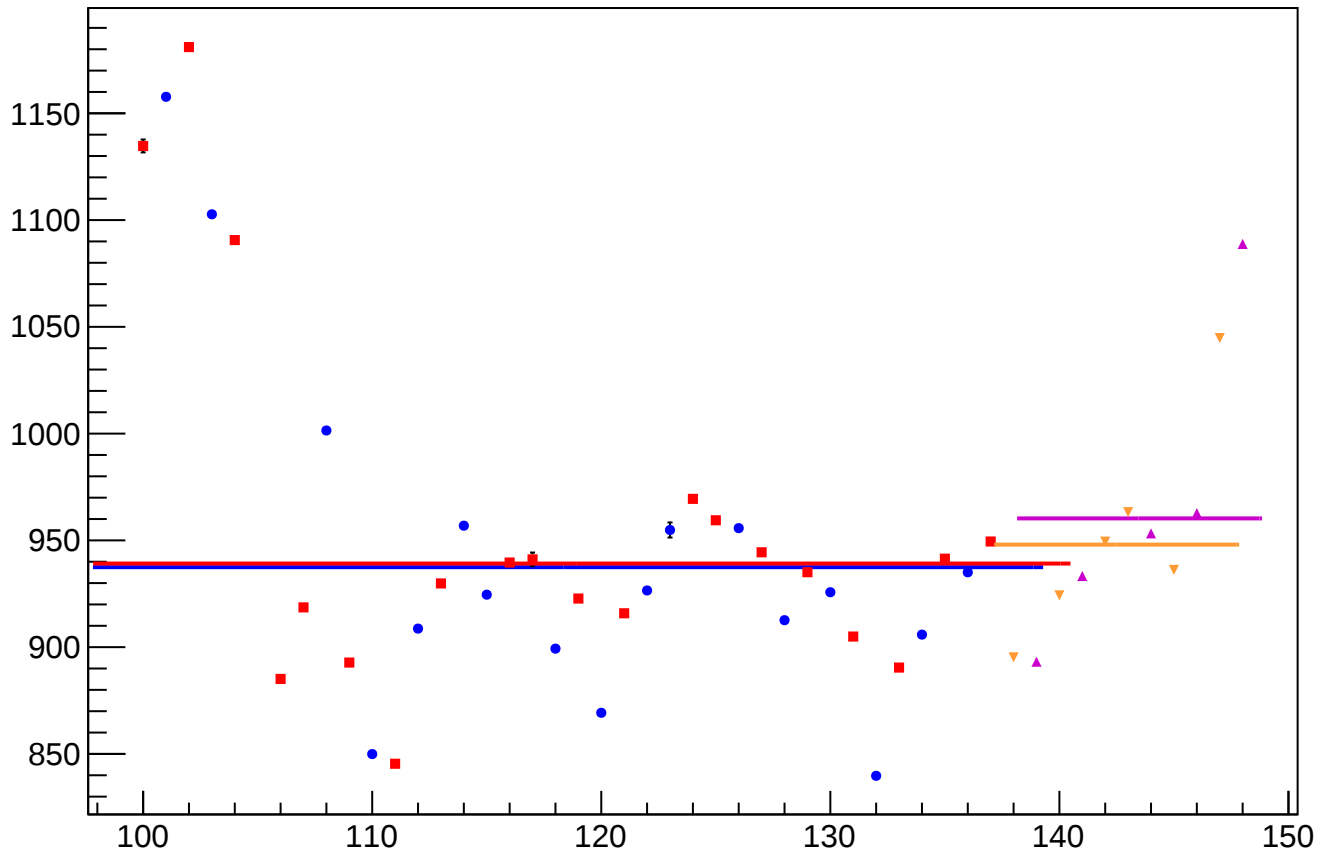
Right Out: -10.459 ± 0.351 $\chi^2/\text{NDF}: 18230.6/19$

Left In: -98.347 ± 0.481 $\chi^2/\text{NDF}: 498.6/4$

-46.222 ± 0.286 $\chi^2/\text{NDF}: 26152.8/22$

-41.063 ± 0.284 $\chi^2/\text{NDF}: 40529.0/24$

diff_bpm1i02X_rms vs Slug



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

Left Out: 948.018 ± 0.328 χ^2/NDF : 20161.8/5

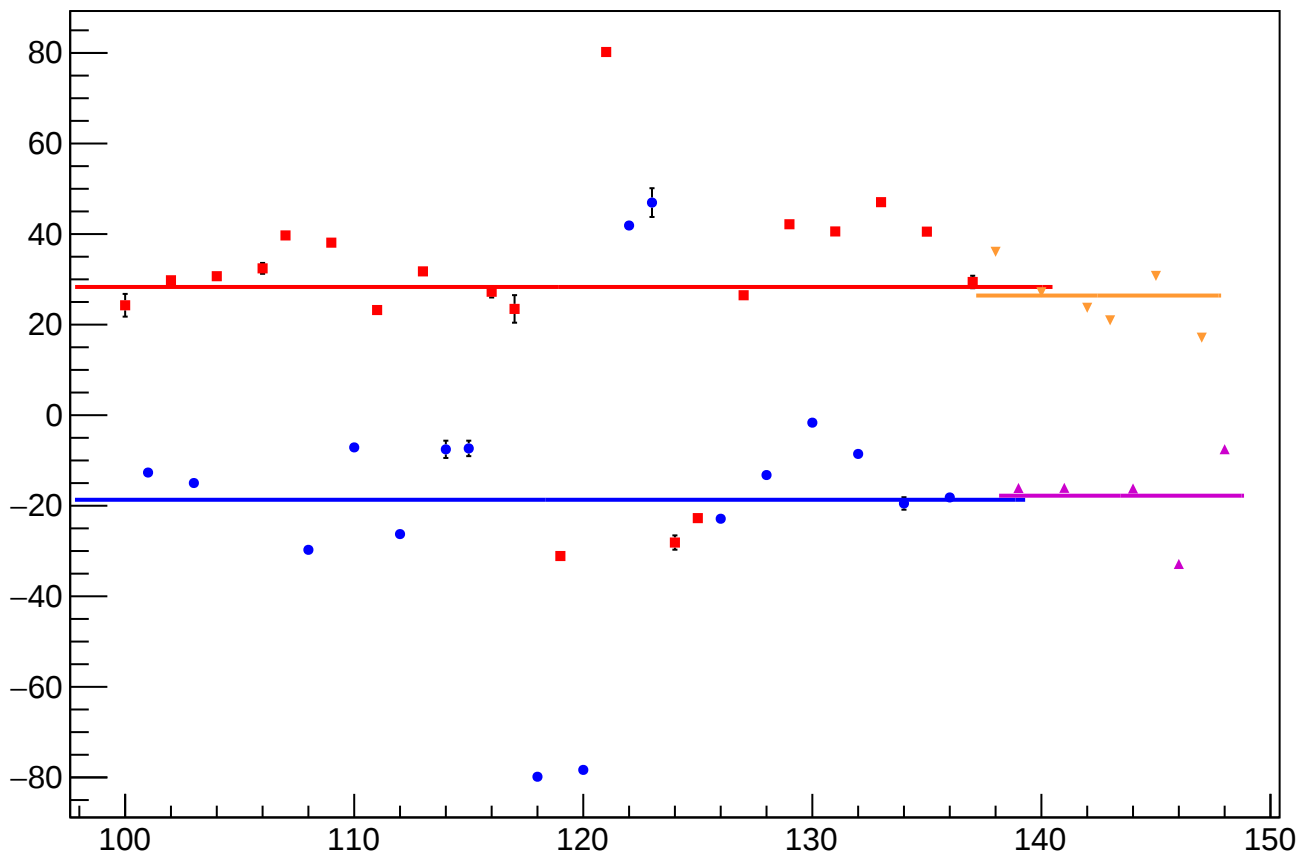
Right Out: 939.152 ± 0.248 χ^2/NDF : 90253.6/19

Left In: 960.290 ± 0.340 χ^2/NDF : 31788.5/4

941.453 ± 0.202 χ^2/NDF : 119113.0/22

946.512 ± 0.201 χ^2/NDF : 124564.1/24

diff_bpm1i02Y_mean vs Slug



Right In: -18.683+/-0.243 χ^2/NDF : 13006.2/16

Left Out: 26.423+/-0.318 χ^2/NDF : 405.9/5

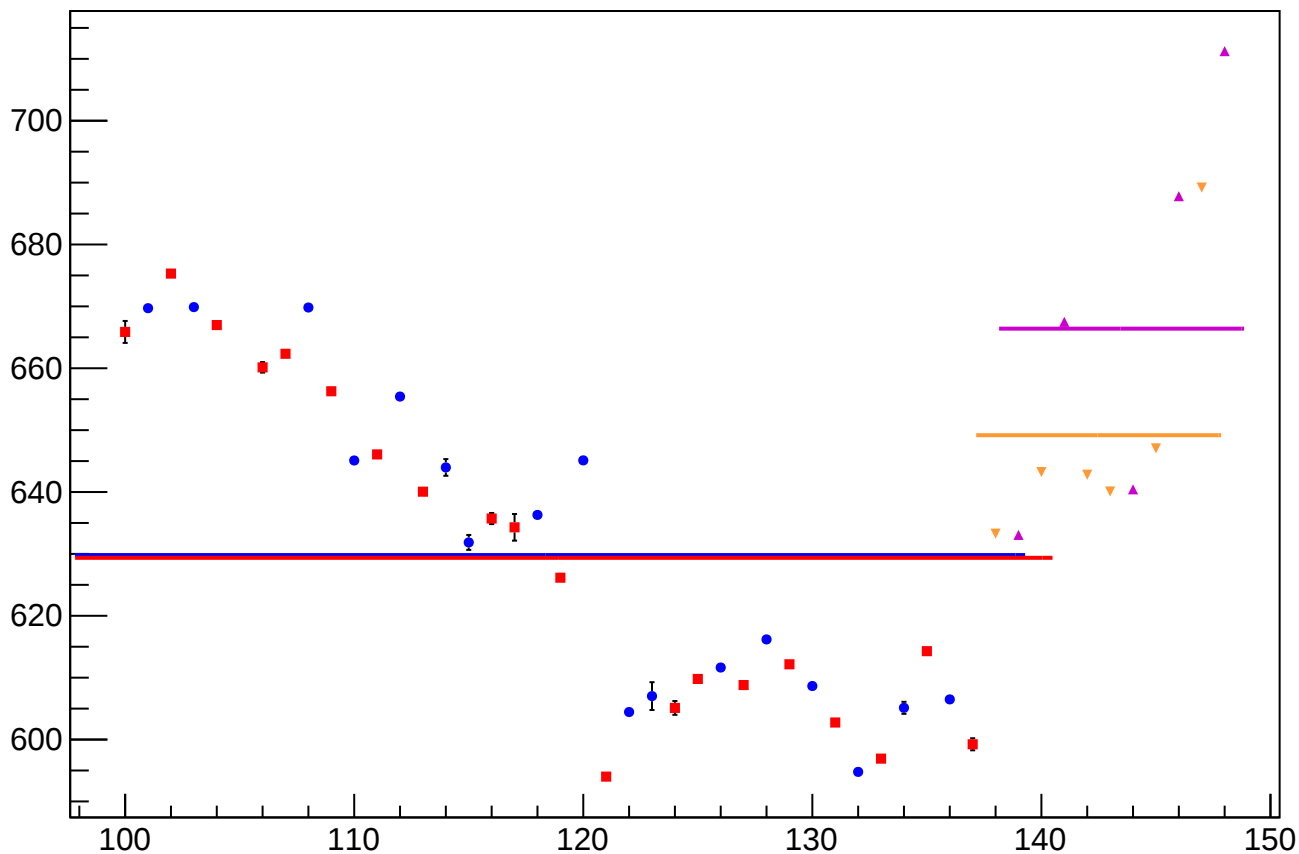
Right Out: 28.318+/-0.235 χ^2/NDF : 12510.6/19

Left In: -17.782+/-0.333 χ^2/NDF : 577.4/4

-2.057+/-0.193 χ^2/NDF : 26148.1/22

13.013+/-0.192 χ^2/NDF : 25890.0/24

diff_bpm1i02Y_rms vs Slug



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

Left Out: 649.183+/-0.225 χ^2/NDF : 6719.2/5

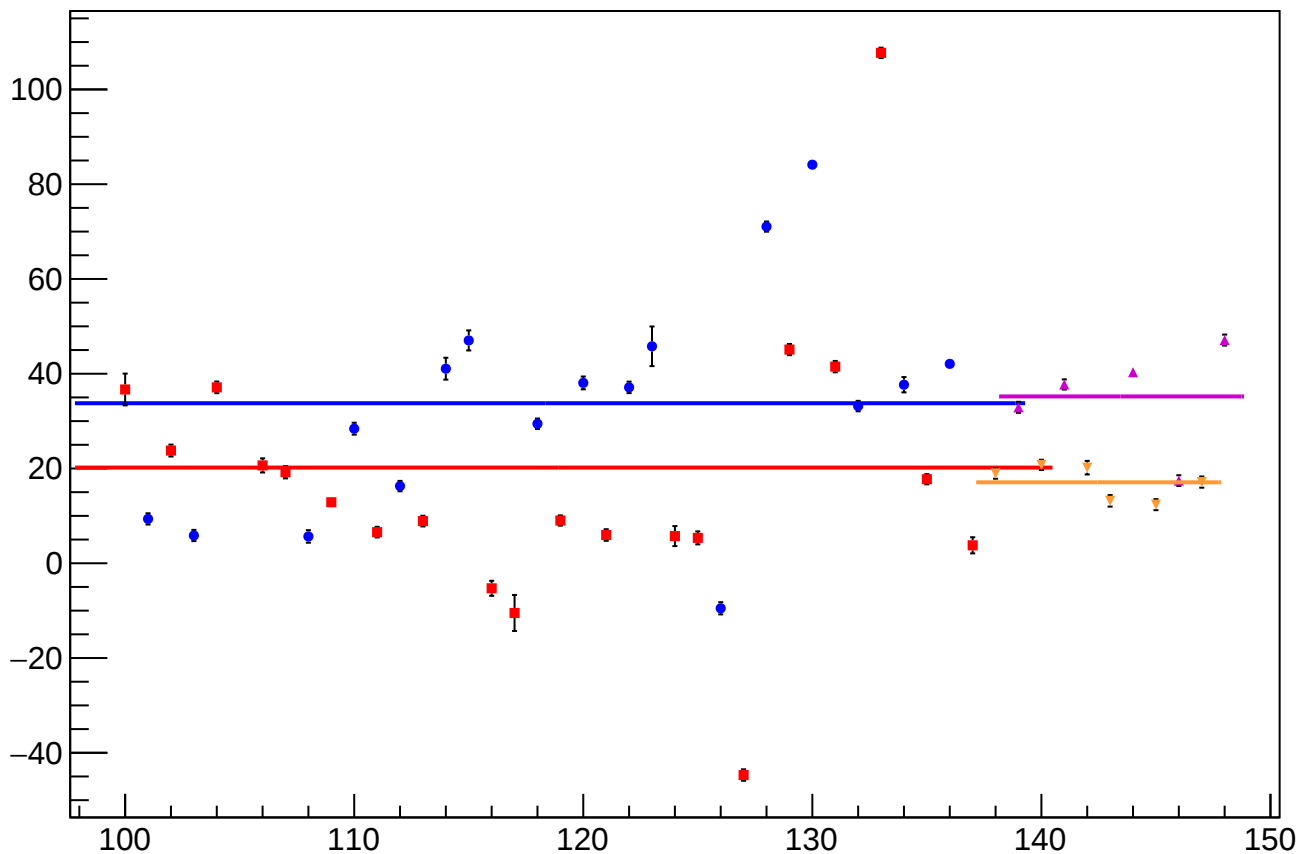
Right Out: 629.370+/-0.166 χ^2/NDF : 25543.7/19

Left In: 666.403+/-0.235 χ^2/NDF : 14636.2/4

636.954+/-0.136 χ^2/NDF : 34714.3/22

641.664+/-0.136 χ^2/NDF : 56704.1/24

diff_bpm1i04X_mean vs Slug



Right In: 33.773 $\pm$ 0.300 χ^2 /NDF: 6487.9/16

Left Out: 17.087 $\pm$ 0.485 χ^2 /NDF: 45.6/5

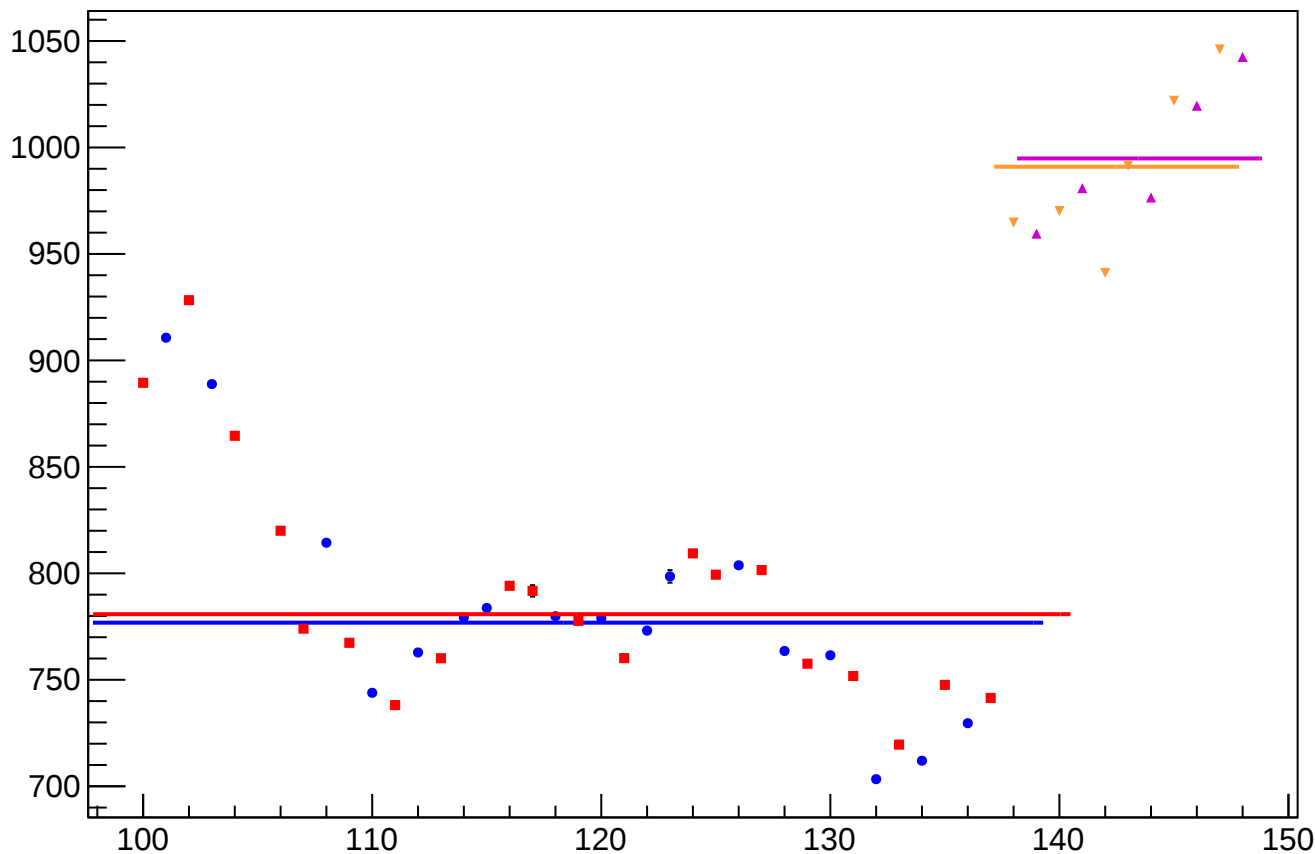
Right Out: 20.193 $\pm$ 0.292 χ^2 /NDF: 11353.3/19

Left In: 35.206 $\pm$ 0.497 χ^2 /NDF: 385.3/4

29.158 $\pm$ 0.255 χ^2 /NDF: 7389.6/22

24.034 $\pm$ 0.252 χ^2 /NDF: 12416.5/24

diff_bpm1i04X_rms vs Slug



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

Left Out: 990.974 $\pm$ 0.343 χ^2 /NDF: 9997.6/5

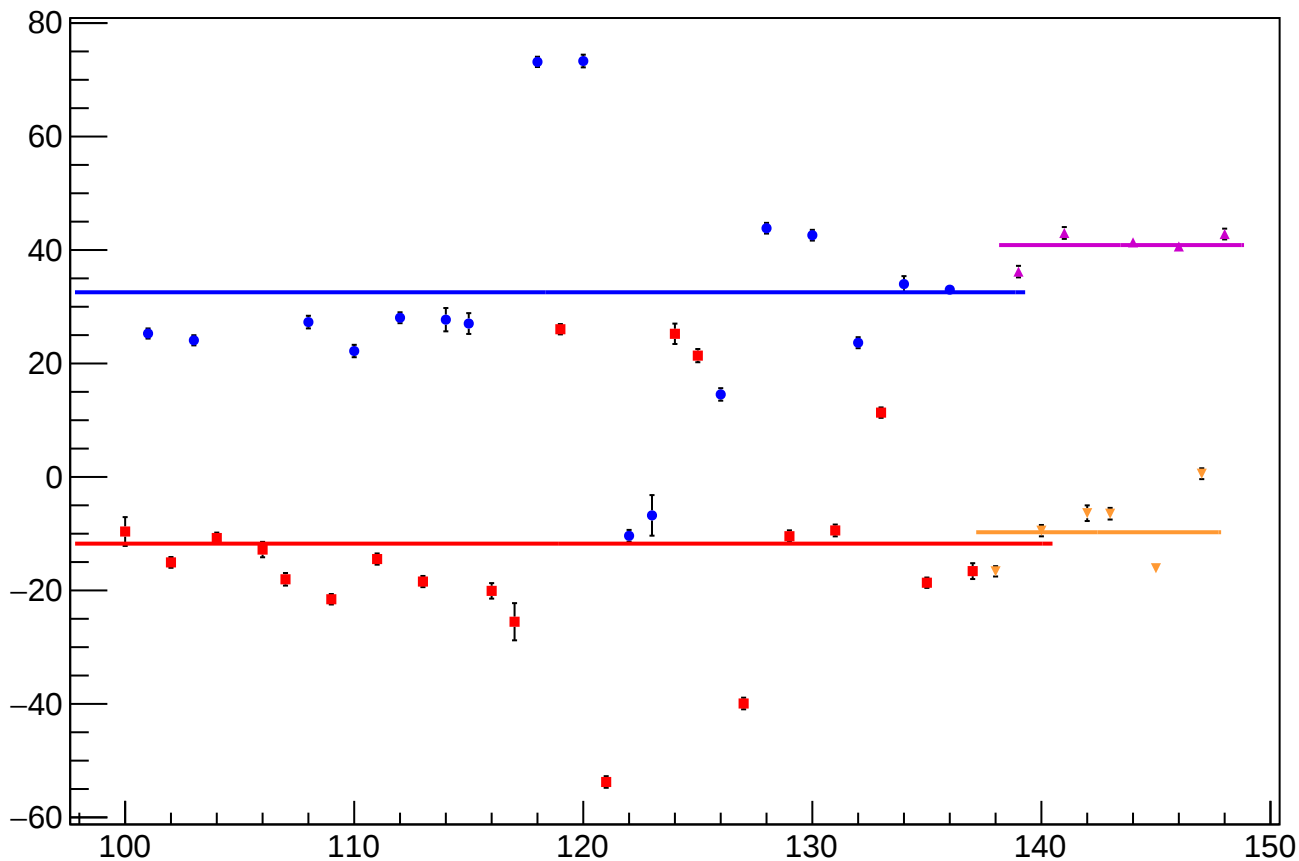
Right Out: 780.820 $\pm$ 0.206 χ^2 /NDF: 57445.6/19

Left In: 994.853 $\pm$ 0.352 χ^2 /NDF: 7117.9/4

836.057 $\pm$ 0.180 χ^2 /NDF: 359481.4/22

835.579 $\pm$ 0.178 χ^2 /NDF: 340121.8/24

diff_bpm1i04Y_mean vs Slug



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

Left Out: -9.744 ± 0.407 χ^2/NDF : 240.7/5

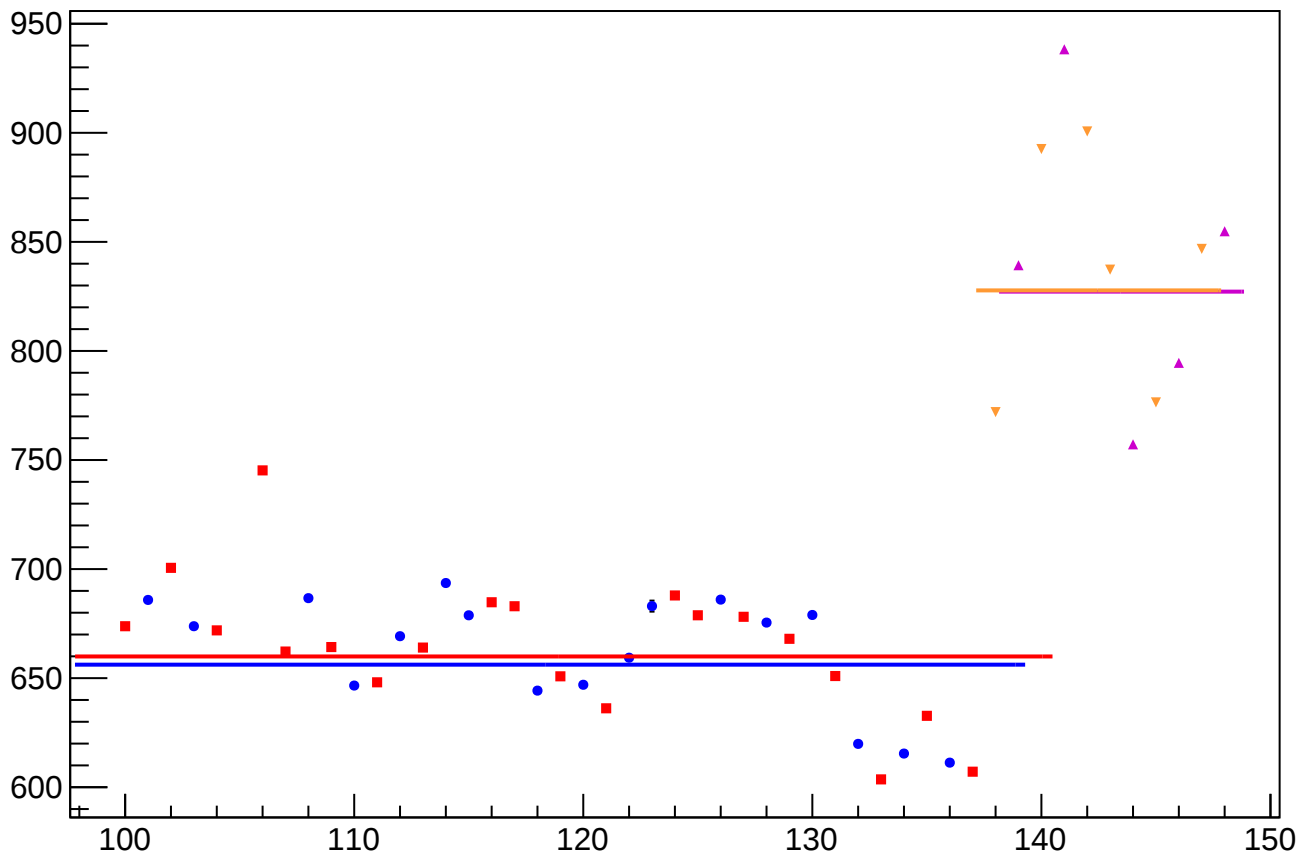
Right Out: -11.752 ± 0.246 χ^2/NDF : 6375.4/19

Left In: 40.870 ± 0.417 χ^2/NDF : 29.9/4

20.770 ± 0.215 χ^2/NDF : 14107.3/22

1.852 ± 0.212 χ^2/NDF : 18206.6/24

diff_bpm1i04Y_rms vs Slug



Right In: 656.181+/-0.179 χ^2/NDF : 23569.6/16

Left Out: 827.756+/-0.288 χ^2/NDF : 29137.1/5

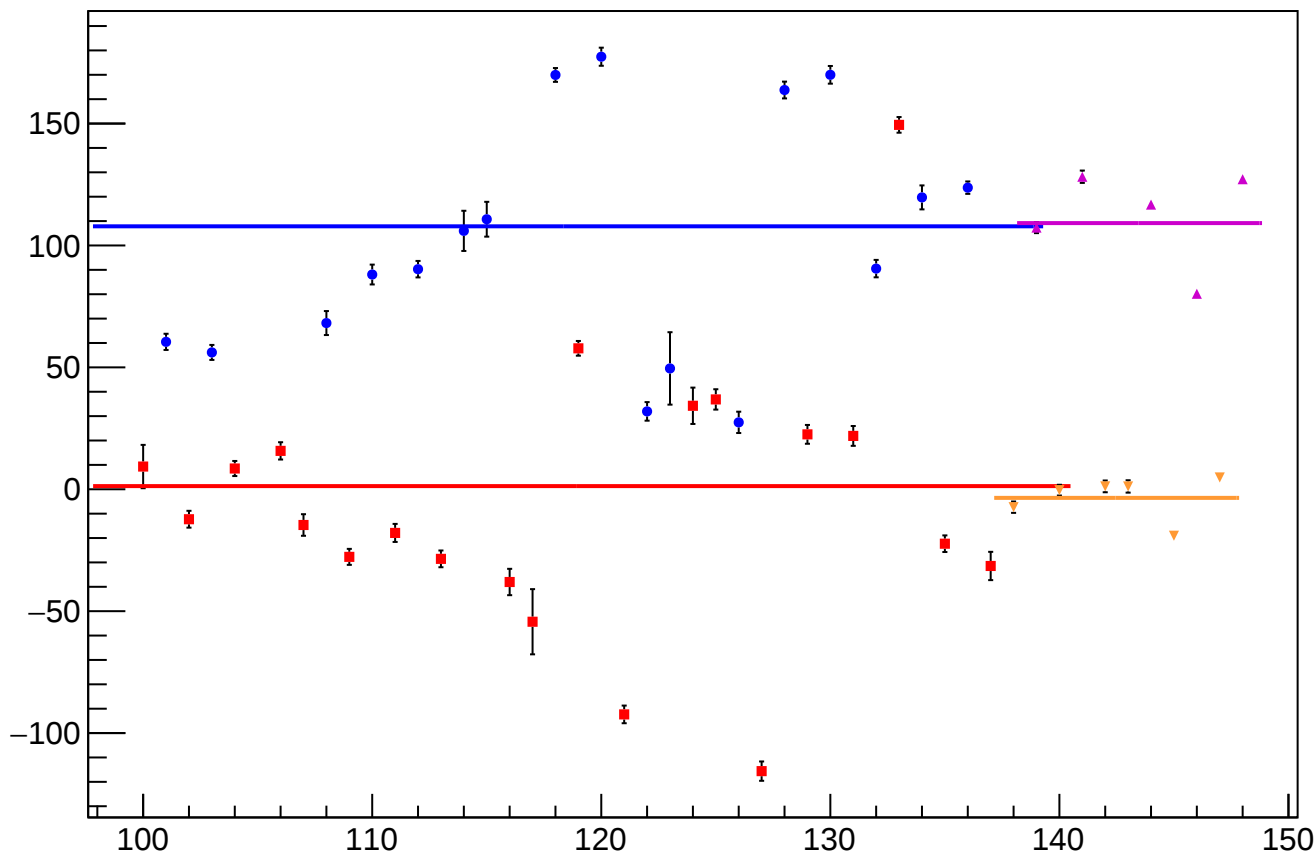
Right Out: 659.944+/-0.174 χ^2/NDF : 28425.0/19

Left In: 827.194+/-0.295 χ^2/NDF : 41800.3/4

703.974+/-0.152 χ^2/NDF : 309205.6/22

703.181+/-0.150 χ^2/NDF : 308652.2/24

diff_bpm1i06X_mean vs Slug



Right In: 107.852 ± 0.922 χ^2/NDF : 2809.0/16

Left Out: -3.526 ± 0.900 χ^2/NDF : 90.1/5

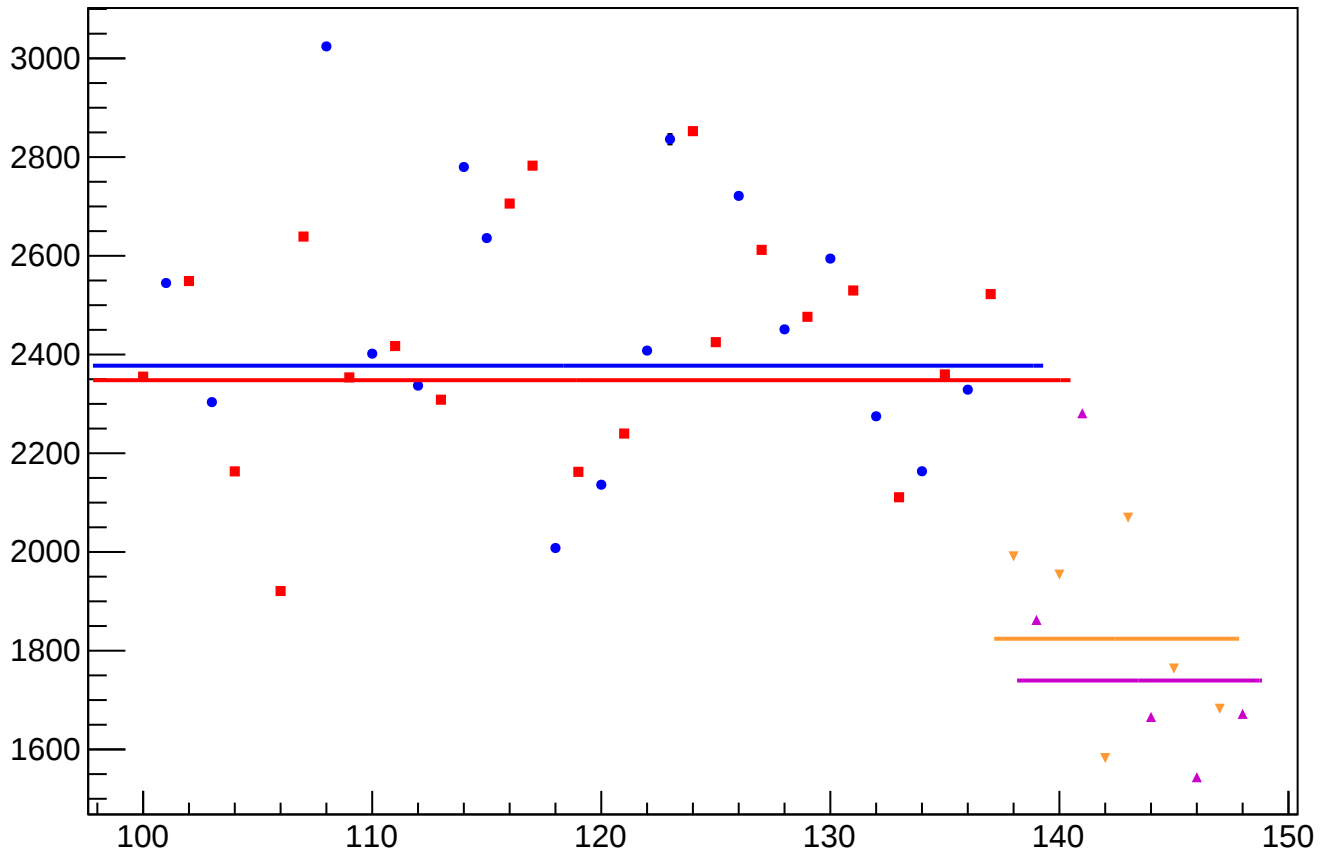
Right Out: 1.299 ± 0.881 χ^2/NDF : 4541.1/19

Left In: 109.174 ± 0.887 χ^2/NDF : 450.8/4

50.842 ± 0.644 χ^2/NDF : 10375.9/22

54.887 ± 0.625 χ^2/NDF : 12433.4/24

diff_bpm1i06X_rms vs Slug



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

Left Out: 1824.233+/-0.636 χ^2/NDF : 68765.9/5

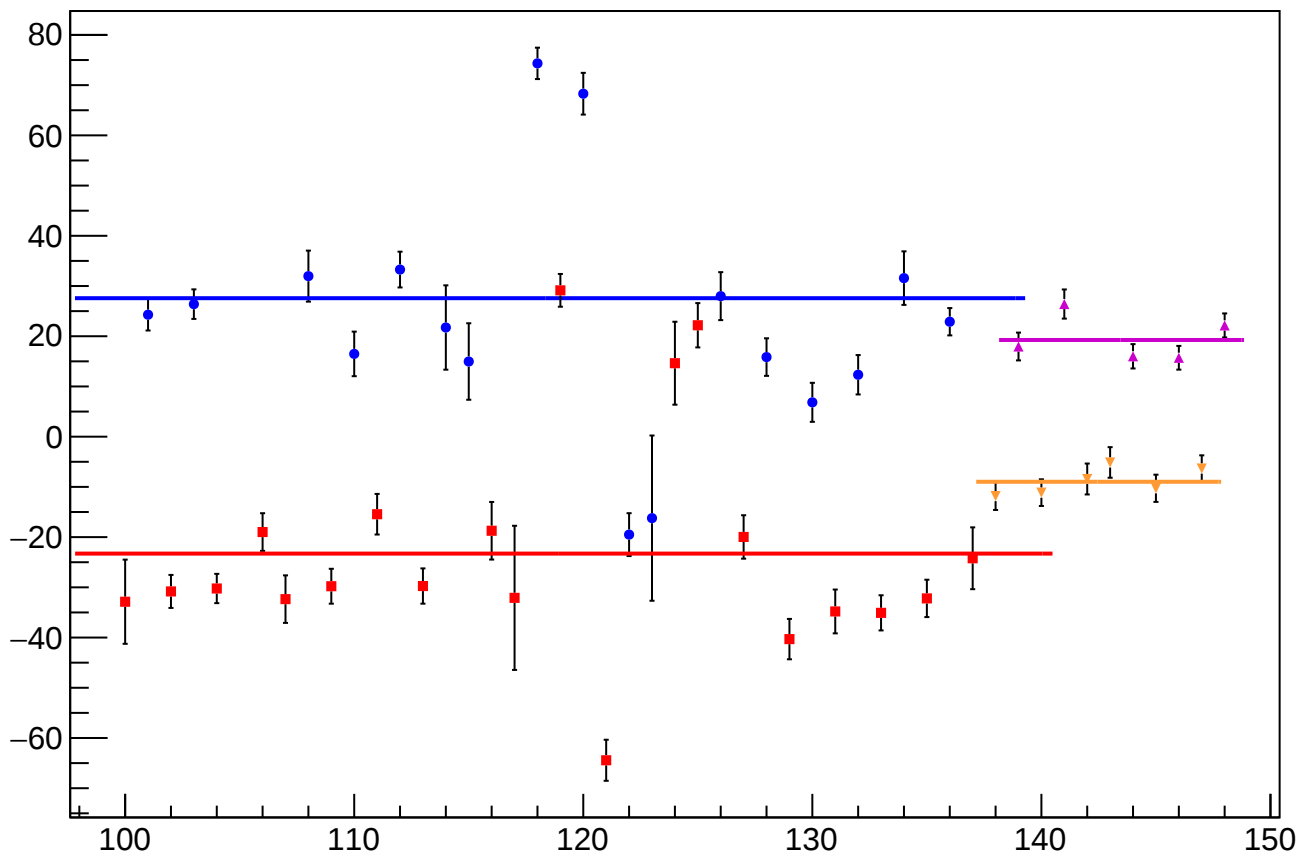
Right Out: 2348.017+/-0.623 χ^2/NDF : 110379.6/19

Left In: 1739.597+/-0.627 χ^2/NDF : 129162.6/4

2094.268+/-0.455 χ^2/NDF : 557310.1/22

2045.777+/-0.442 χ^2/NDF : 712967.0/24

diff_bpm1i06Y_mean vs Slug



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

Left Out: -8.981+/-1.142 χ^2/NDF : 4.6/5

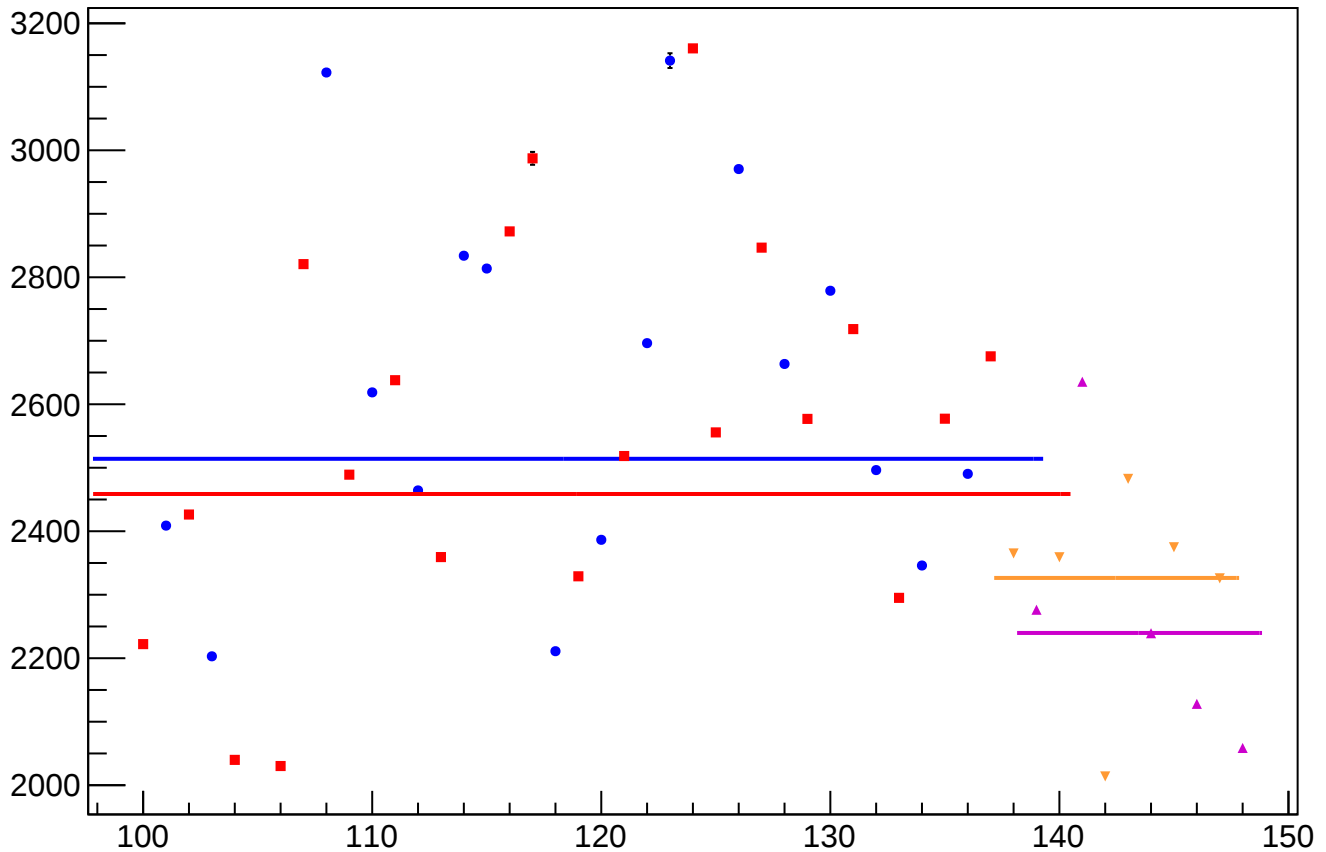
Right Out: -23.280+/-0.925 χ^2/NDF : 558.2/19

Left In: 19.254+/-1.137 χ^2/NDF : 11.8/4

12.172+/-0.741 χ^2/NDF : 1116.9/22

-6.342+/-0.718 χ^2/NDF : 1411.9/24

diff_bpm1i06Y_rms vs Slug



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

Left Out: 2326.453+/-0.808 χ^2/NDF : 27199.2/5

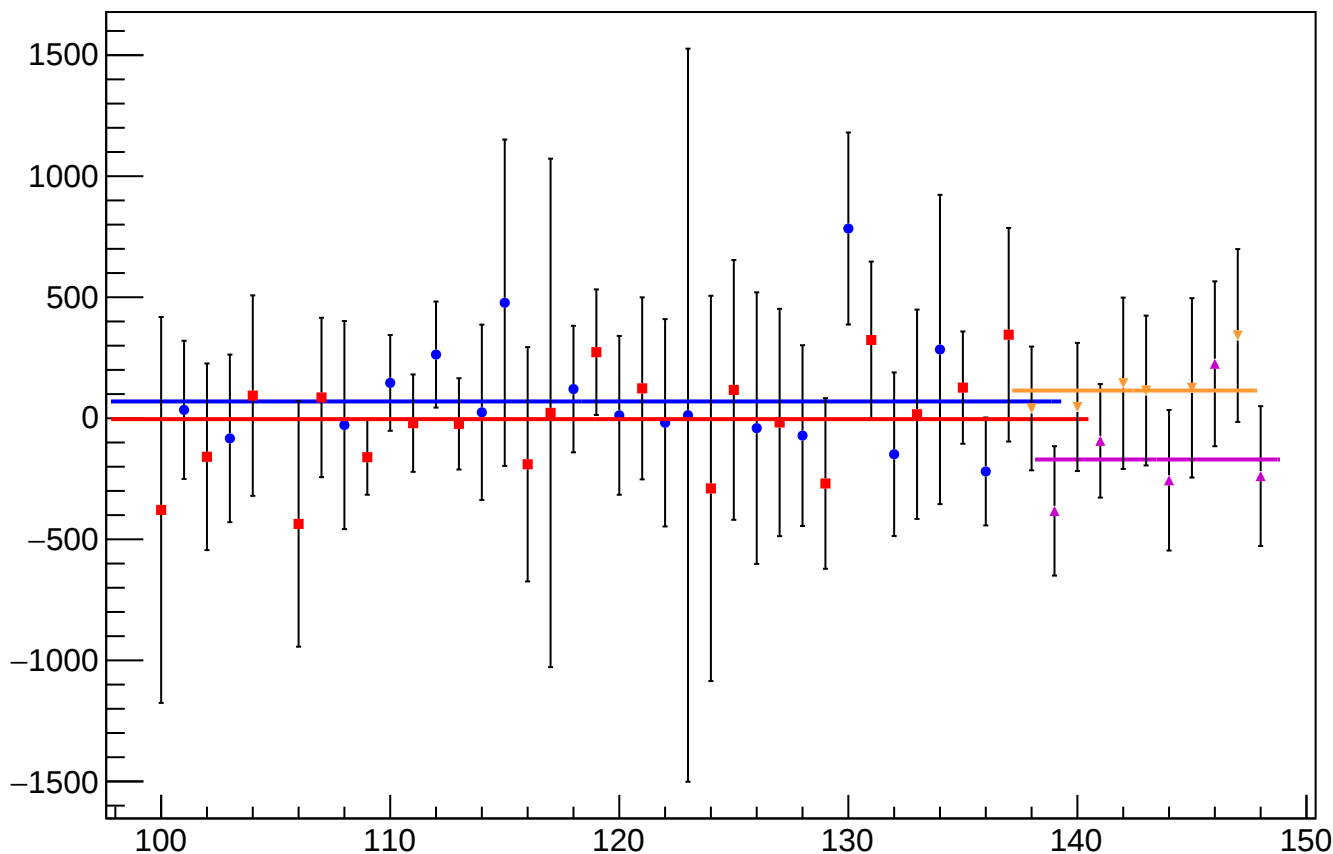
Right Out: 2458.665+/-0.654 χ^2/NDF : 152458.1/19

Left In: 2239.789+/-0.804 χ^2/NDF : 53444.5/4

2435.021+/-0.524 χ^2/NDF : 179387.9/22

2371.501+/-0.507 χ^2/NDF : 250490.3/24

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



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

Left Out: 114.722+/-125.851 χ^2/NDF : 0.6/5

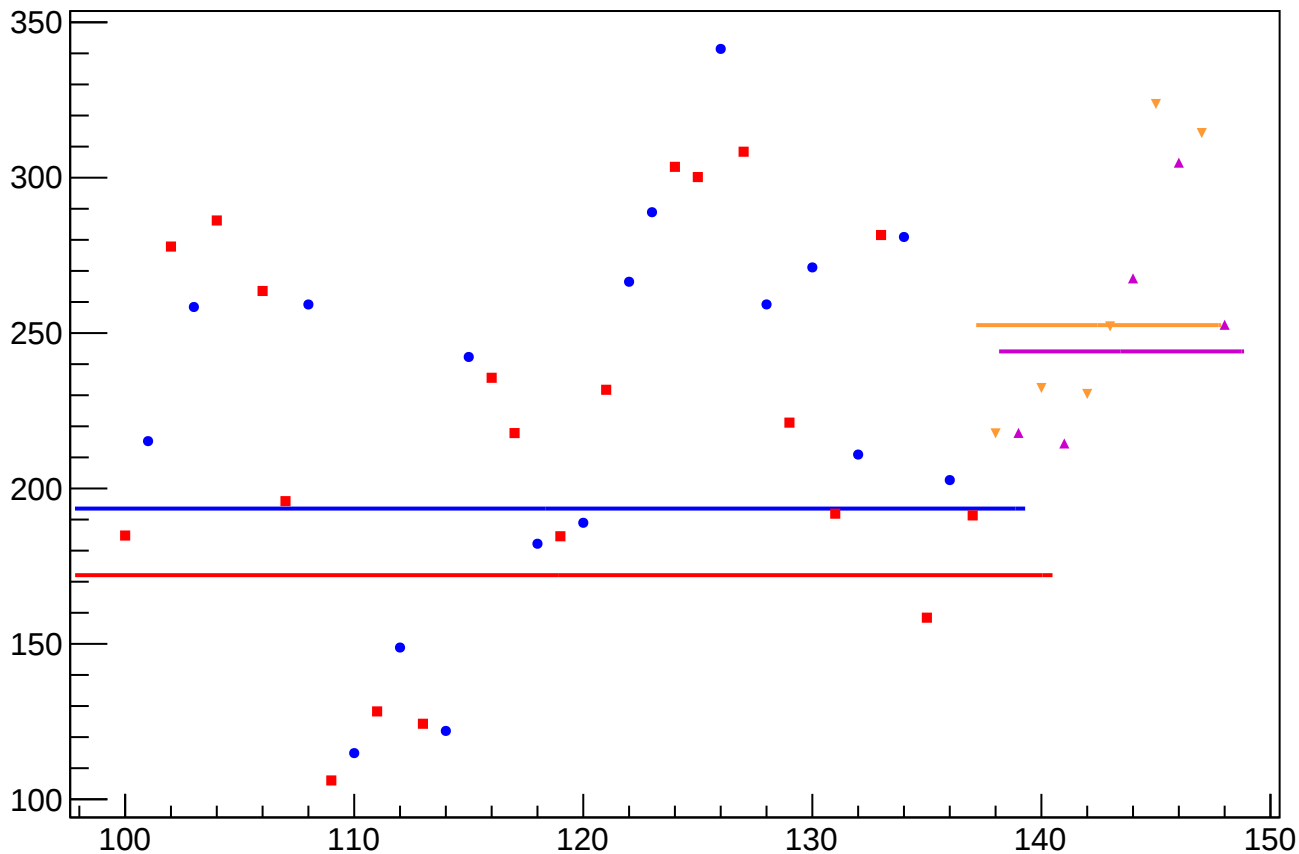
Right Out: -3.448+/-69.825 χ^2/NDF : 6.4/19

Left In: -170.218+/-124.354 χ^2/NDF : 2.2/4

82.350+/-66.924 χ^2/NDF : 8.0/22

-43.424+/-60.884 χ^2/NDF : 10.0/24

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: 252.555+/-0.089 χ^2/NDF :190331.0/5

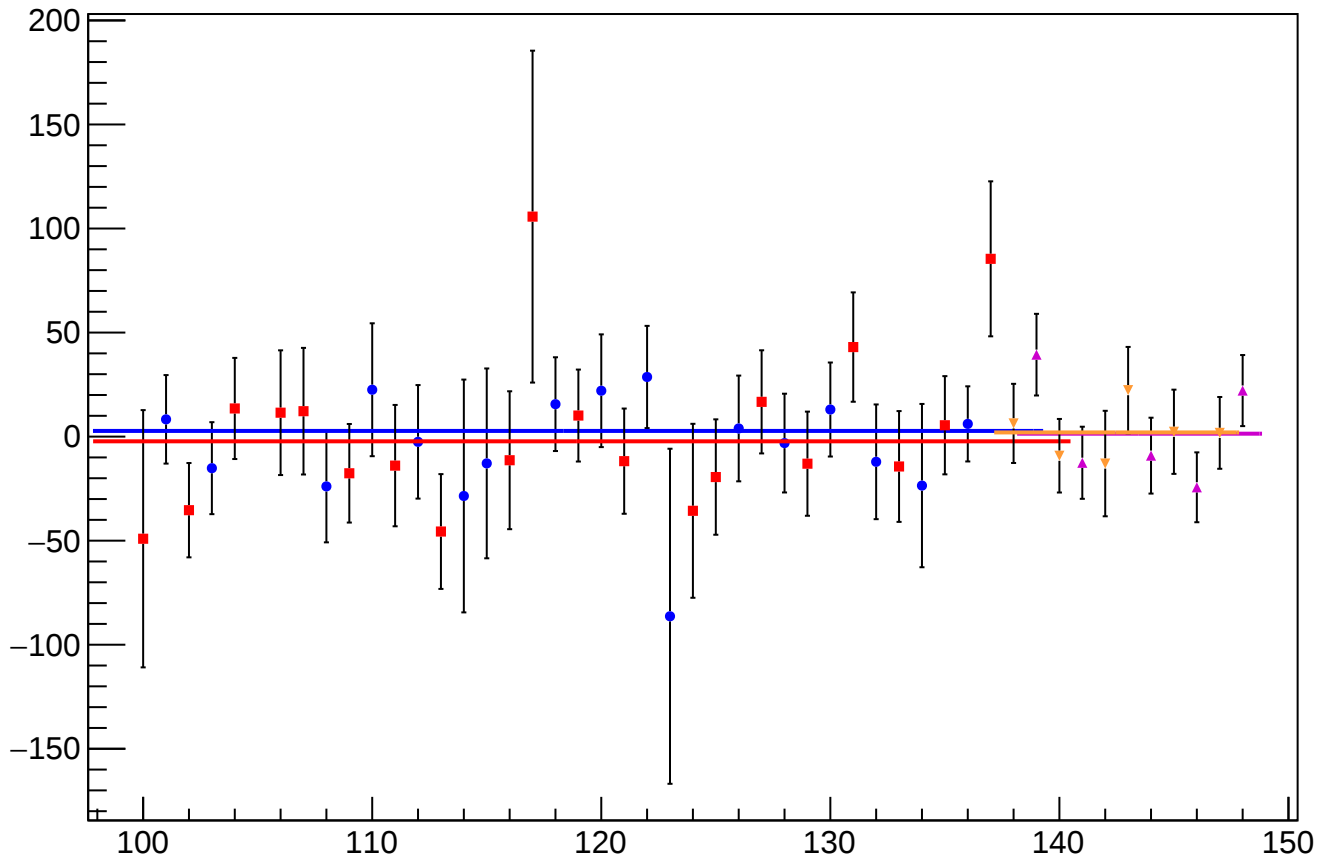
Right Out: 172.104+/-0.049 χ^2/NDF : 1580690.9/19

Left In: 244.101+/-0.088 χ^2/NDF :129626.8/4

210.223+/-0.047 χ^2/NDF : 1516255.8/22

189.362+/-0.043 χ^2/NDF : 2220033.8/24

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.733 ± 6.424 χ^2/NDF : 6.8/16

Left Out: 2.014 ± 7.995 χ^2/NDF : 1.8/5

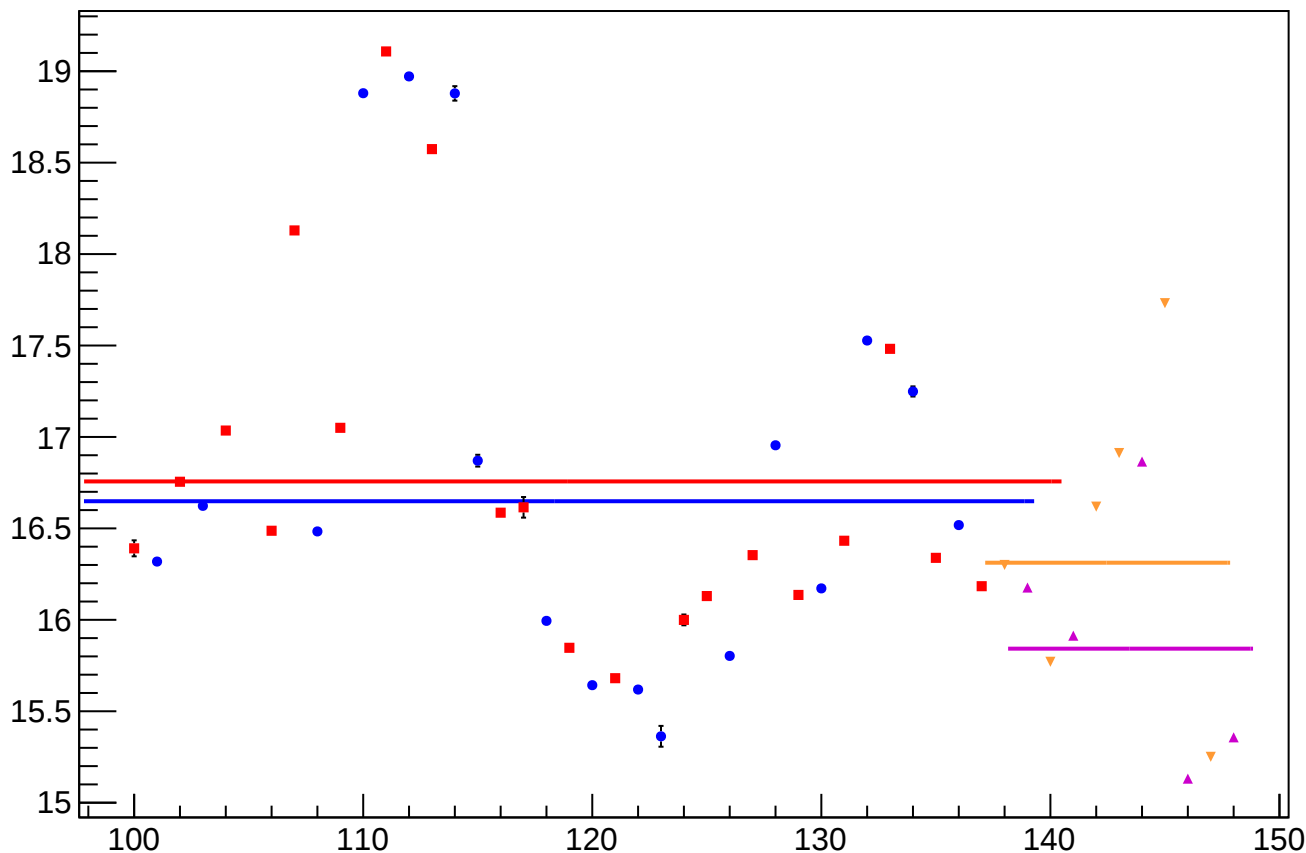
Right Out: -2.259 ± 6.259 χ^2/NDF : 19.6/19

Left In: 1.407 ± 7.927 χ^2/NDF : 8.6/4

2.451 ± 5.008 χ^2/NDF : 8.5/22

-0.851 ± 4.912 χ^2/NDF : 28.3/24

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: 16.312 $\pm$ 0.006 χ^2 /NDF: 21251.1/5

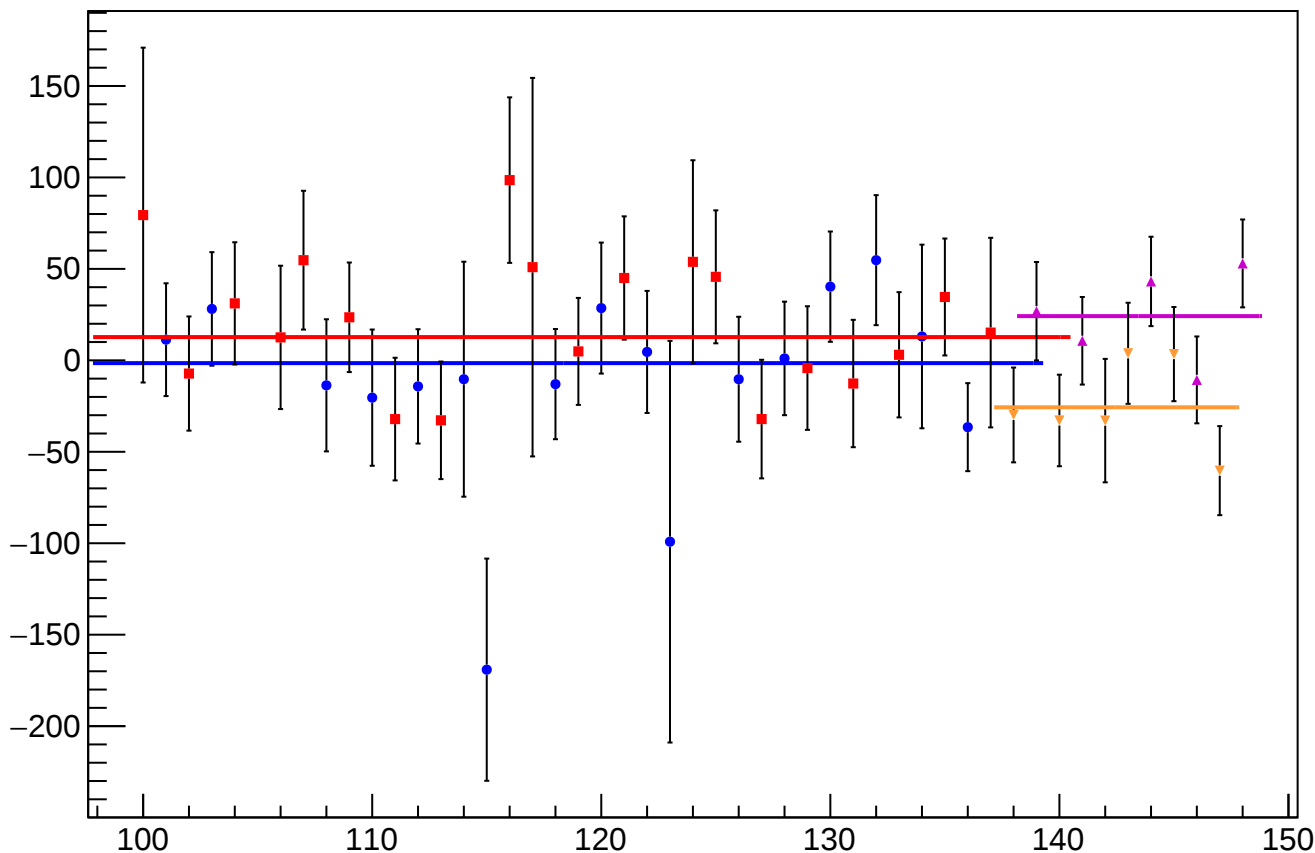
Right Out: 16.757 $\pm$ 0.004 χ^2 /NDF: 39957.1/19

Left In: 15.842 $\pm$ 0.006 χ^2 /NDF: 12110.1/4

16.517 $\pm$ 0.004 χ^2 /NDF: 65967.2/22

16.406 $\pm$ 0.003 χ^2 /NDF: 68464.8/24

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.523 $\pm$ 8.485 χ^2/NDF : 17.6/16

Left Out: -25.673 $\pm$ 10.866 χ^2/NDF : 4.6/5

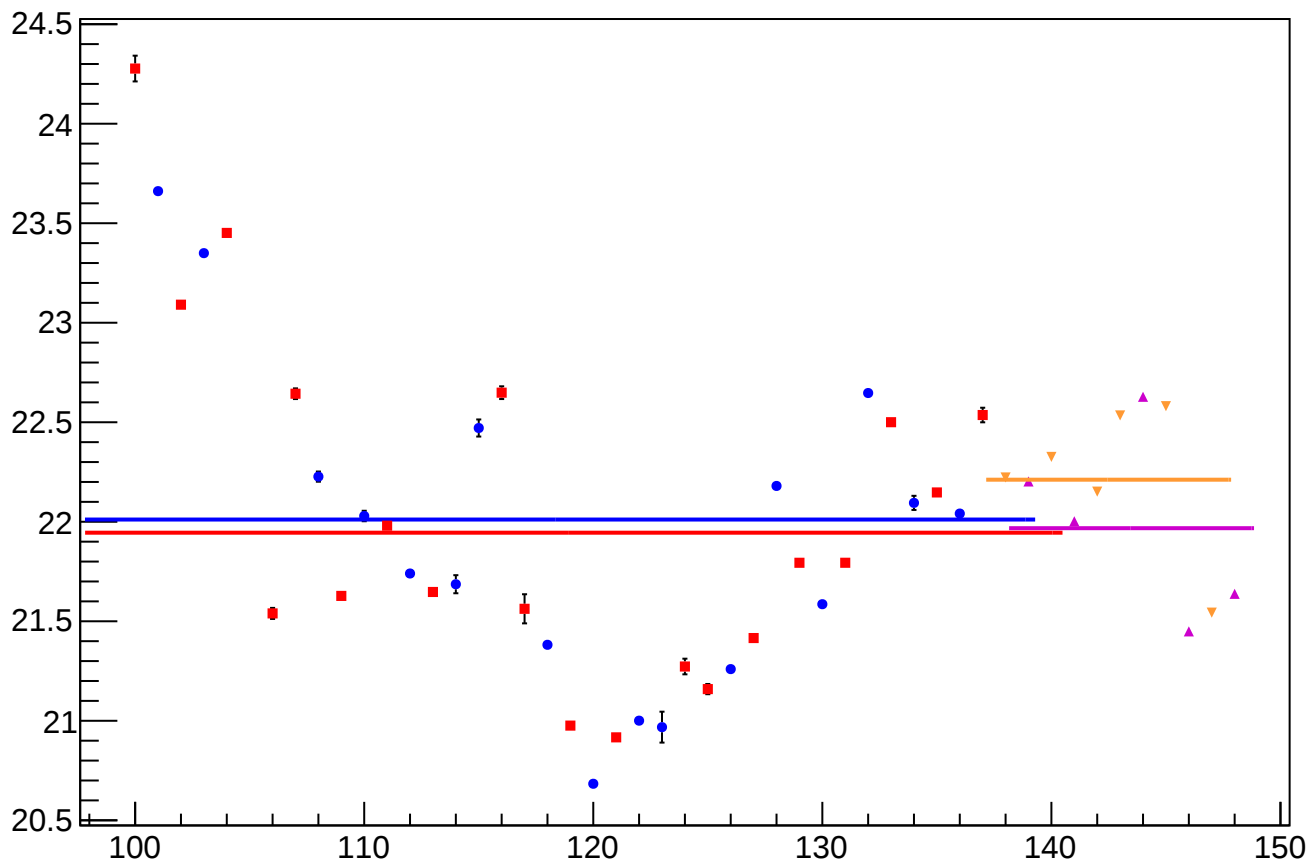
Right Out: 12.716 $\pm$ 8.185 χ^2/NDF : 15.7/19

Left In: 24.175 $\pm$ 10.972 χ^2/NDF : 4.5/4

-10.671 $\pm$ 6.688 χ^2/NDF : 25.3/22

16.812 $\pm$ 6.561 χ^2/NDF : 21.0/24

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 22.011 ± 0.006 $\chi^2/\text{NDF}: 17546.9/16$

Left Out: 22.211 ± 0.008 $\chi^2/\text{NDF}: 2239.2/5$

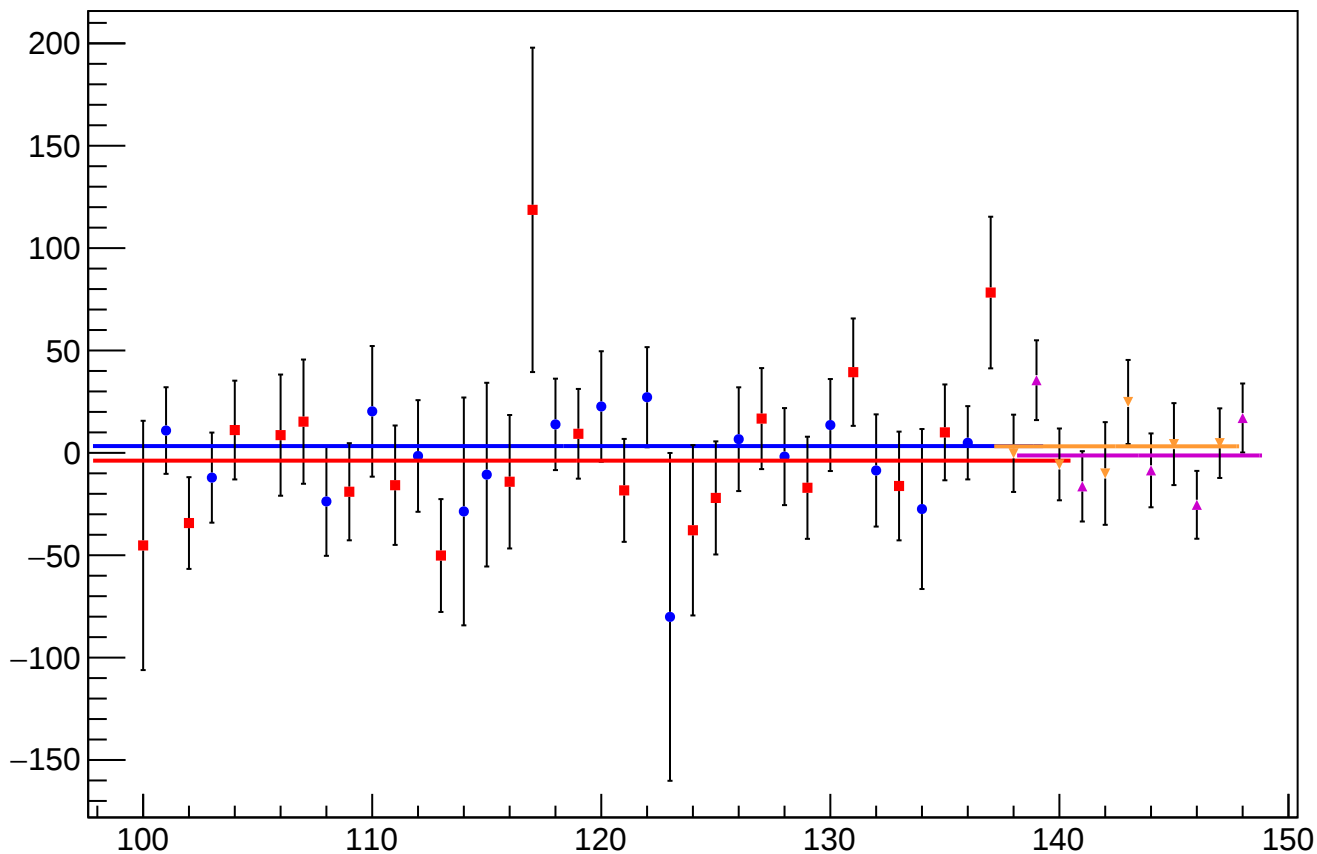
Right Out: 21.945 ± 0.006 $\chi^2/\text{NDF}: 16620.2/19$

Left In: 21.968 ± 0.008 $\chi^2/\text{NDF}: 2947.5/4$

22.087 ± 0.005 $\chi^2/\text{NDF}: 20207.8/22$

21.953 ± 0.005 $\chi^2/\text{NDF}: 19573.2/24$

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: 3.200 ± 7.910 χ^2/NDF : 1.7/5

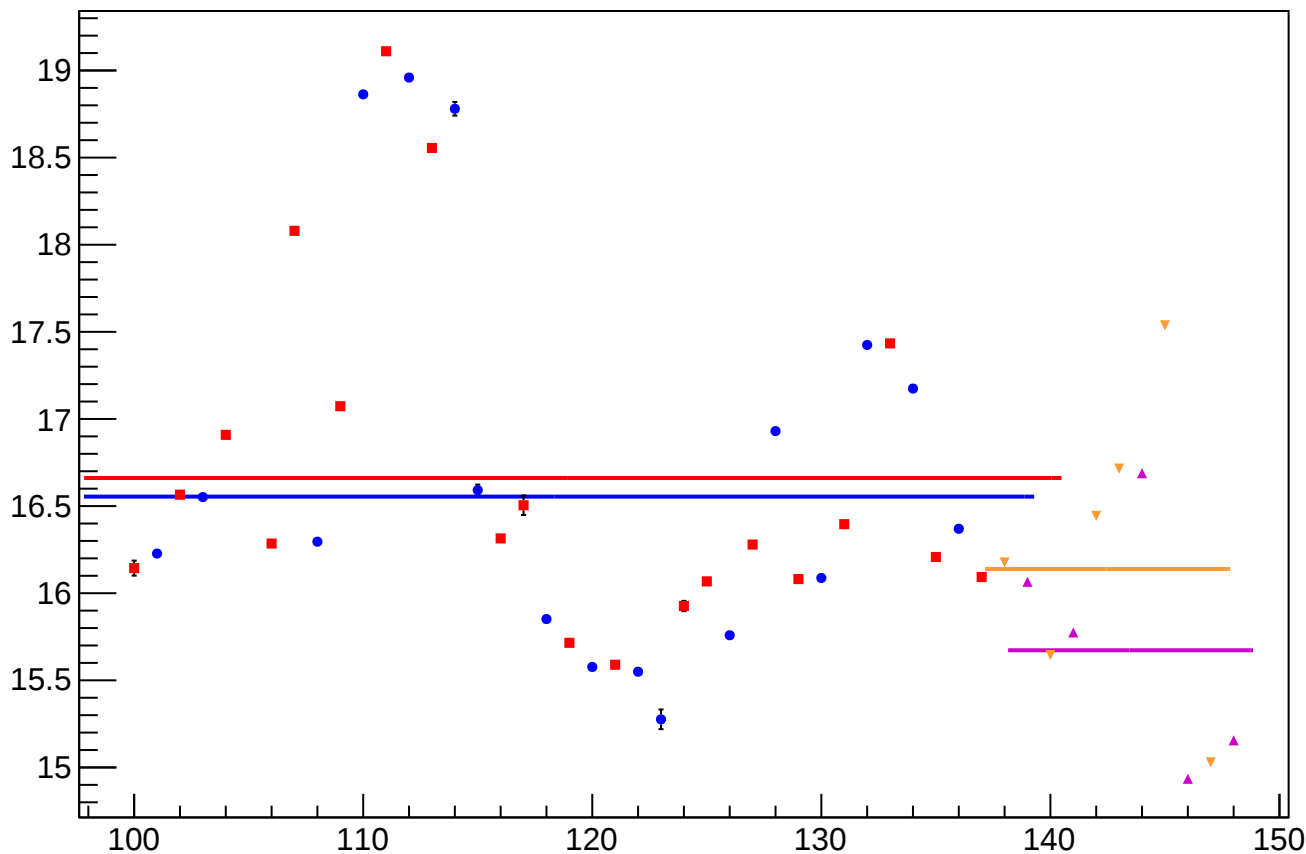
Right Out: -3.800 ± 6.224 χ^2/NDF : 20.1/19

Left In: -1.270 ± 7.842 χ^2/NDF : 7.8/4

3.271 ± 4.970 χ^2/NDF : 8.0/22

-2.822 ± 4.875 χ^2/NDF : 28.0/24

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



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

Left Out: 16.139+/-0.006 χ^2/NDF : 21748.8/5

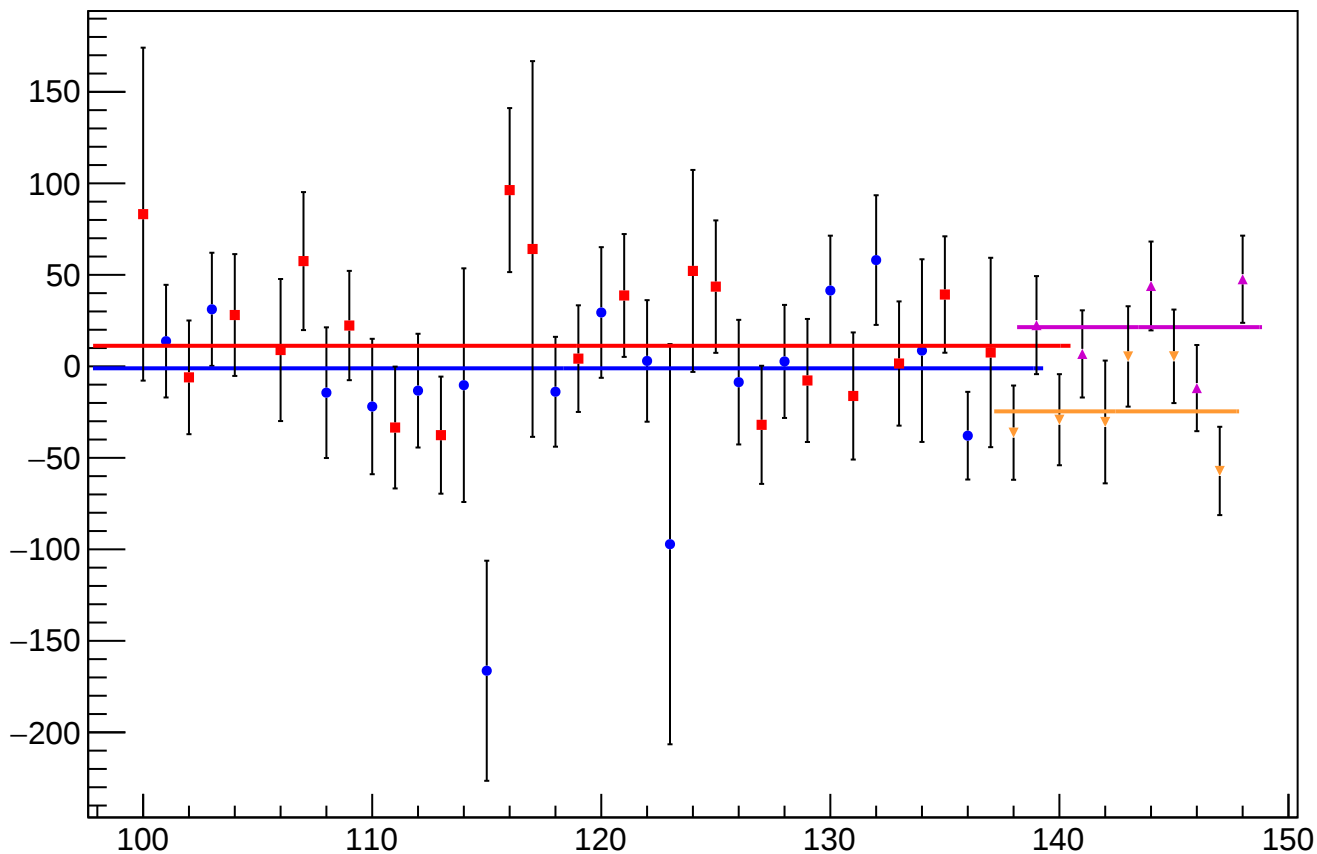
Right Out: 16.661+/-0.004 χ^2/NDF : 43071.4/19

Left In: 15.672+/-0.006 χ^2/NDF : 13076.6/4

16.390+/-0.004 χ^2/NDF : 69558.1/22

16.279+/-0.003 χ^2/NDF : 75658.4/24

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



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

Left Out: -24.601 ± 10.790 χ^2/NDF : 4.7/5

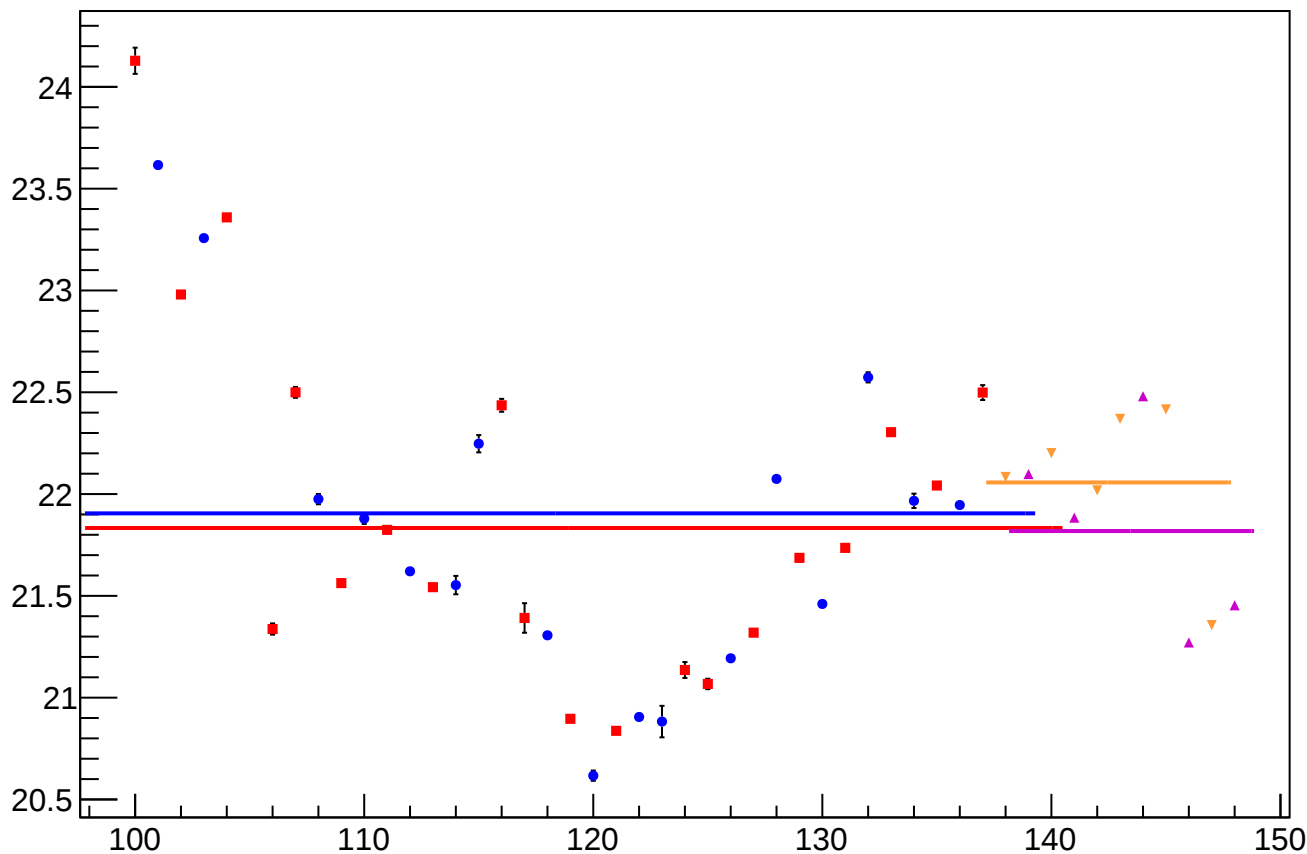
Right Out: 11.235 ± 8.143 χ^2/NDF : 16.5/19

Left In: 21.424 ± 10.898 χ^2/NDF : 4.4/4

-10.007 ± 6.650 χ^2/NDF : 26.1/22

14.886 ± 6.523 χ^2/NDF : 21.5/24

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: 22.057 $\pm$ 0.008 χ^2/NDF : 2412.0/5

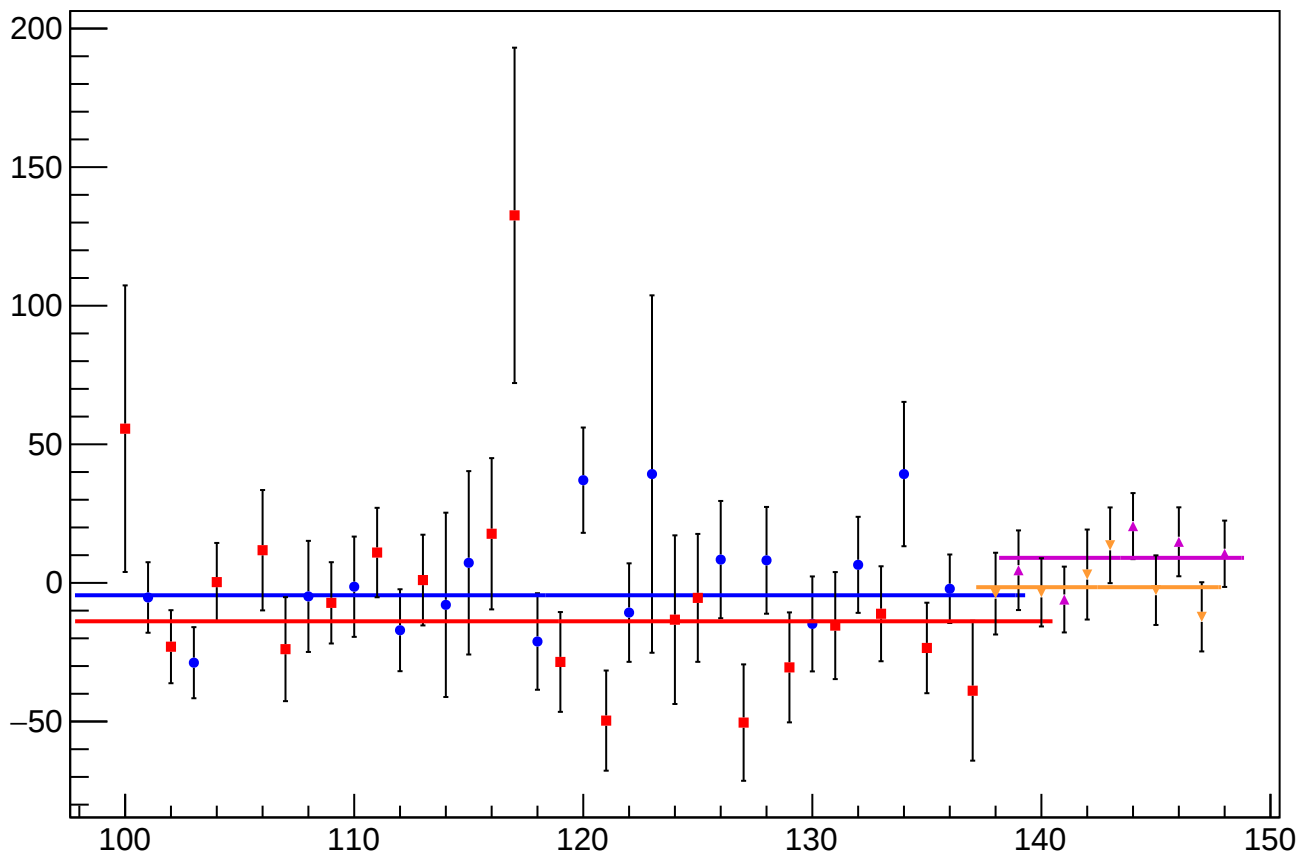
Right Out: 21.833 $\pm$ 0.006 χ^2/NDF : 16288.5/19

Left In: 21.818 $\pm$ 0.008 χ^2/NDF : 3270.5/4

21.963 $\pm$ 0.005 χ^2/NDF : 20452.0/22

21.828 $\pm$ 0.005 χ^2/NDF : 19561.5/24

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



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

Left Out: -1.547 ± 5.496 $\chi^2/\text{NDF}: 2.1/5$

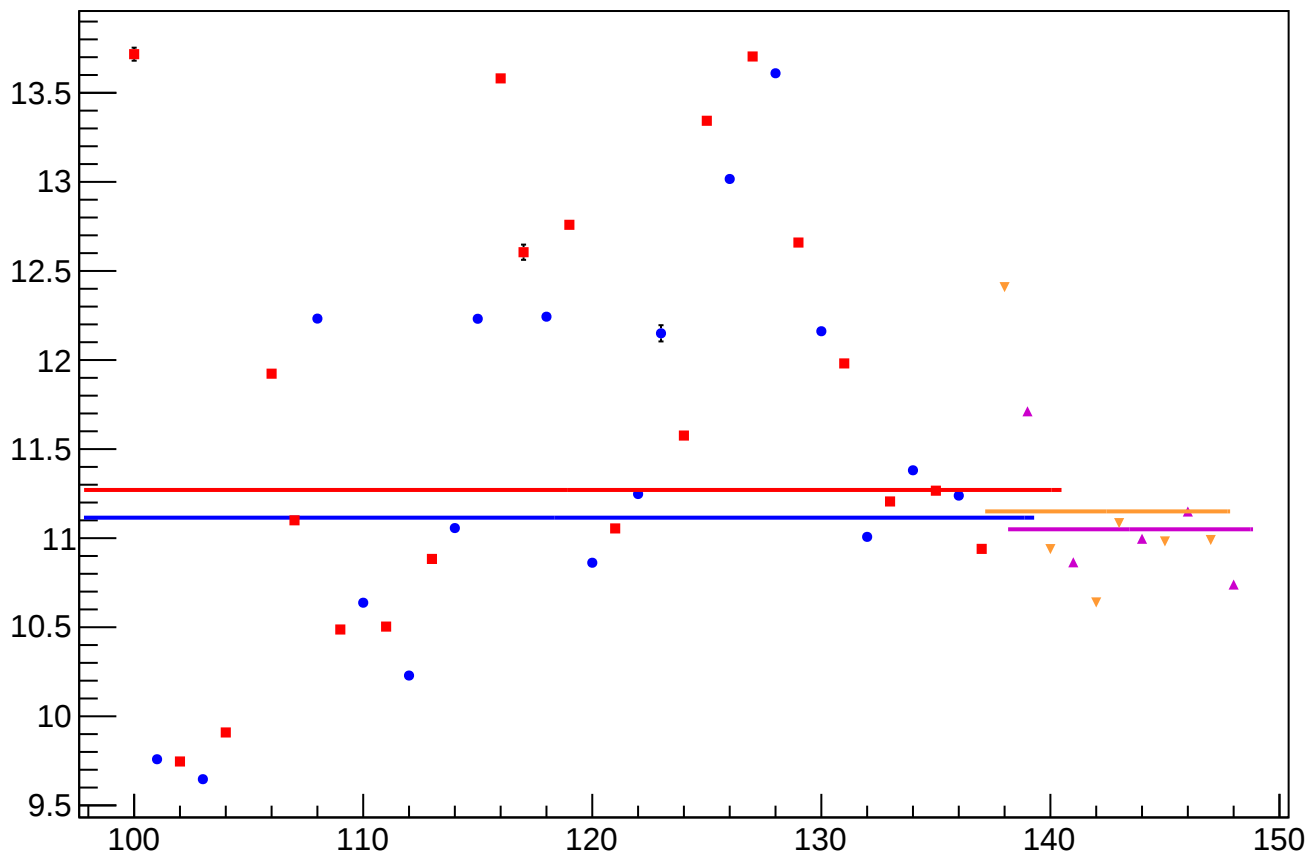
Right Out: -13.851 ± 4.253 $\chi^2/\text{NDF}: 25.4/19$

Left In: 9.038 ± 5.553 $\chi^2/\text{NDF}: 2.9/4$

-3.345 ± 3.400 $\chi^2/\text{NDF}: 17.5/22$

-5.387 ± 3.377 $\chi^2/\text{NDF}: 39.0/24$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.115 ± 0.003 χ^2/NDF : 133059.3/16

Left Out: 11.150 ± 0.004 χ^2/NDF : 17881.6/5

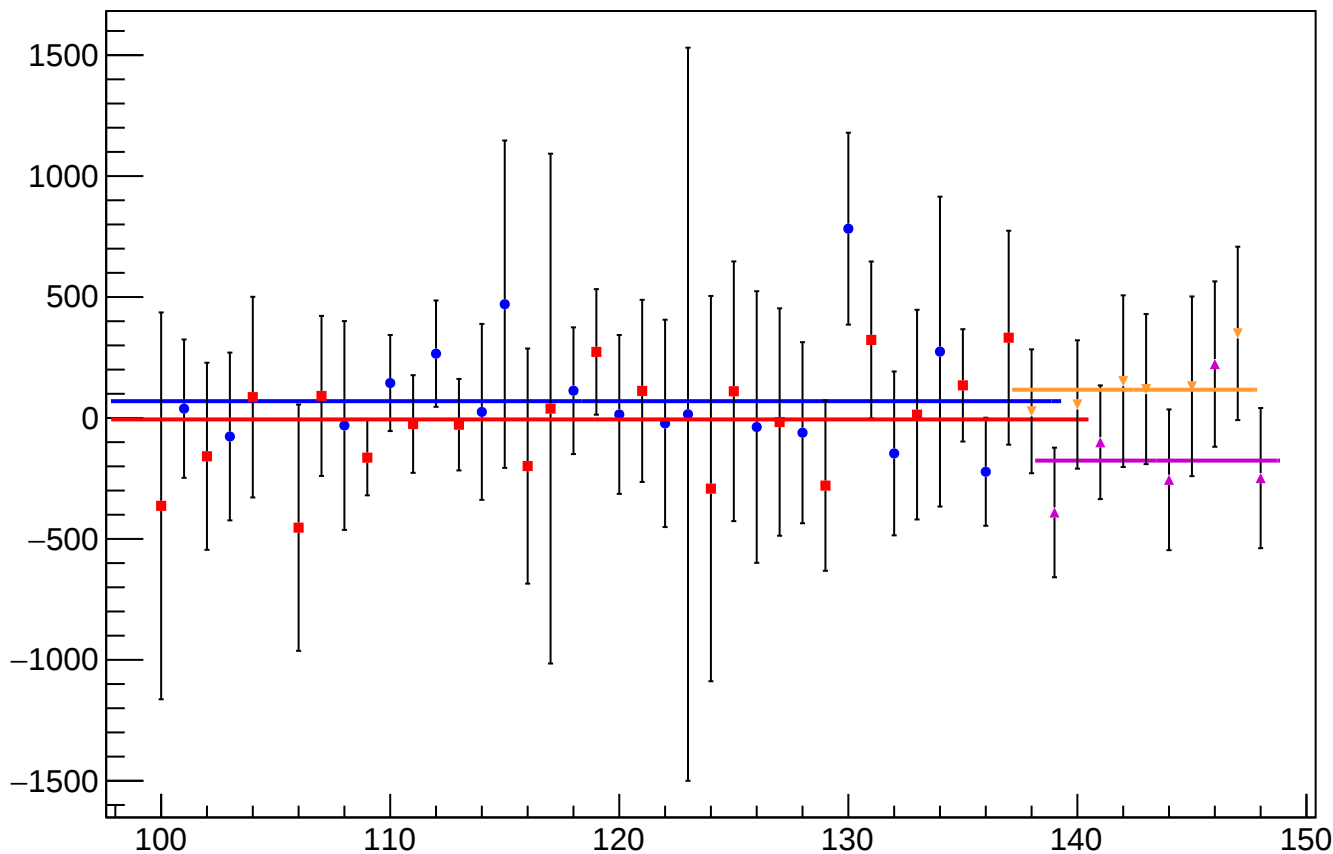
Right Out: 11.271 ± 0.003 χ^2/NDF : 148461.6/19

Left In: 11.050 ± 0.004 χ^2/NDF : 6250.3/4

11.129 ± 0.002 χ^2/NDF : 150991.5/22

11.189 ± 0.002 χ^2/NDF : 156705.7/24

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: 116.742 ± 126.175 χ^2/NDF : 0.6/5

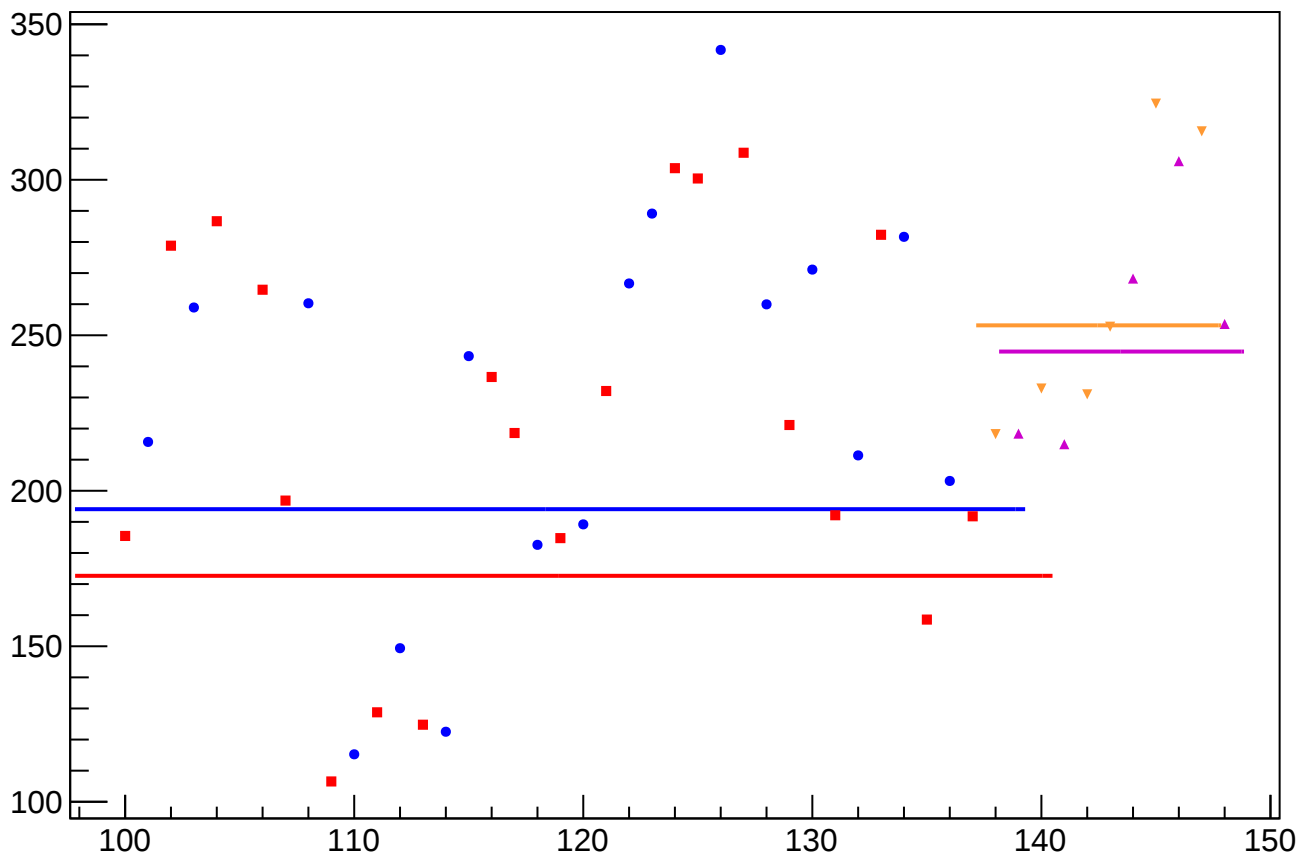
Right Out: -5.996 ± 70.027 χ^2/NDF : 6.5/19

Left In: -176.206 ± 124.700 χ^2/NDF : 2.2/4

82.839 ± 67.099 χ^2/NDF : 8.0/22

-46.804 ± 61.058 χ^2/NDF : 10.2/24

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.082 $\pm$ 0.056 χ^2 /NDF: 1005395.7/16

Left Out: 253.192 $\pm$ 0.089 χ^2 /NDF:191116.2/5

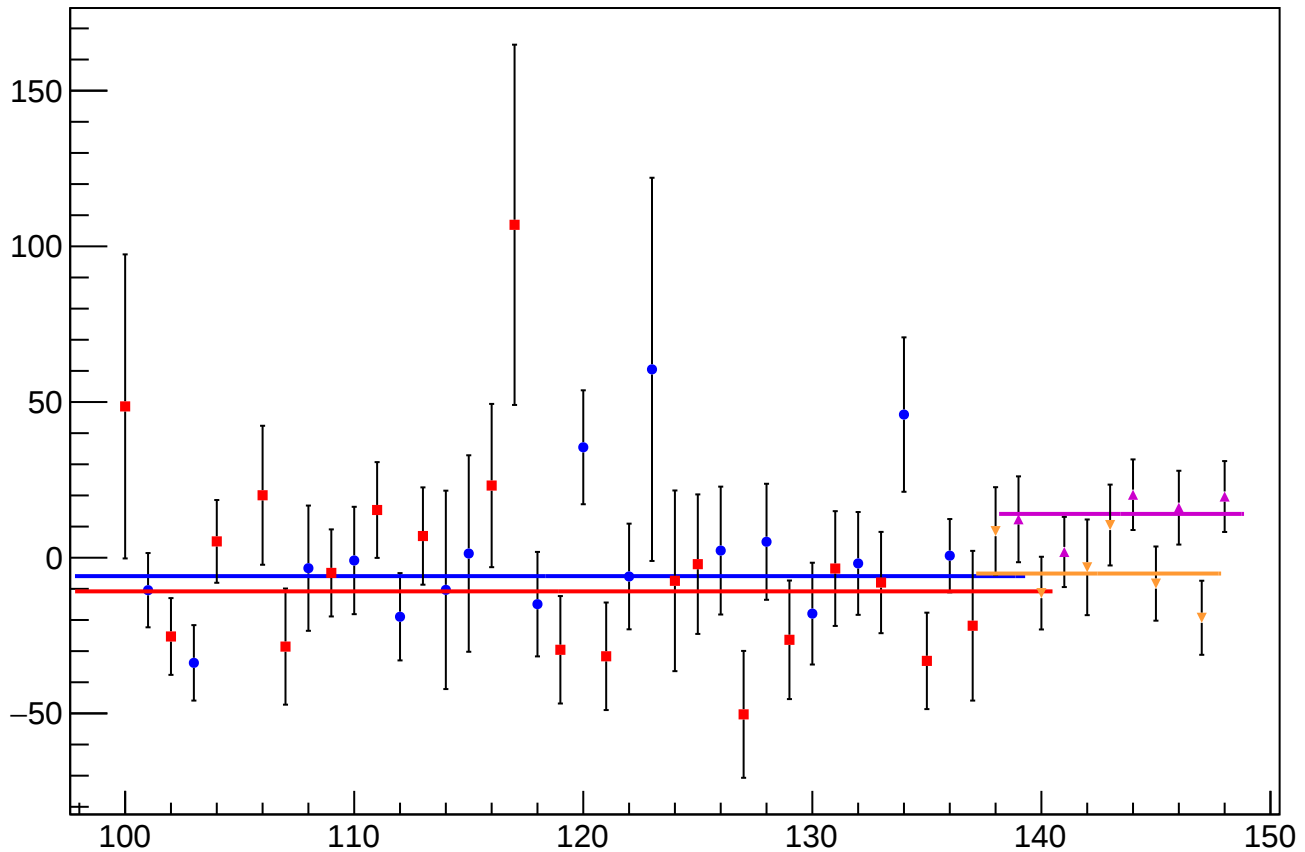
Right Out: 172.655 $\pm$ 0.050 χ^2 /NDF: 1573277.0/19

Left In: 244.764 $\pm$ 0.088 χ^2 /NDF:130565.2/4

210.798 $\pm$ 0.047 χ^2 /NDF: 1511327.3/22

189.943 $\pm$ 0.043 χ^2 /NDF: 2212268.1/24

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: -5.083+/-5.224 χ^2/NDF : 4.2/5

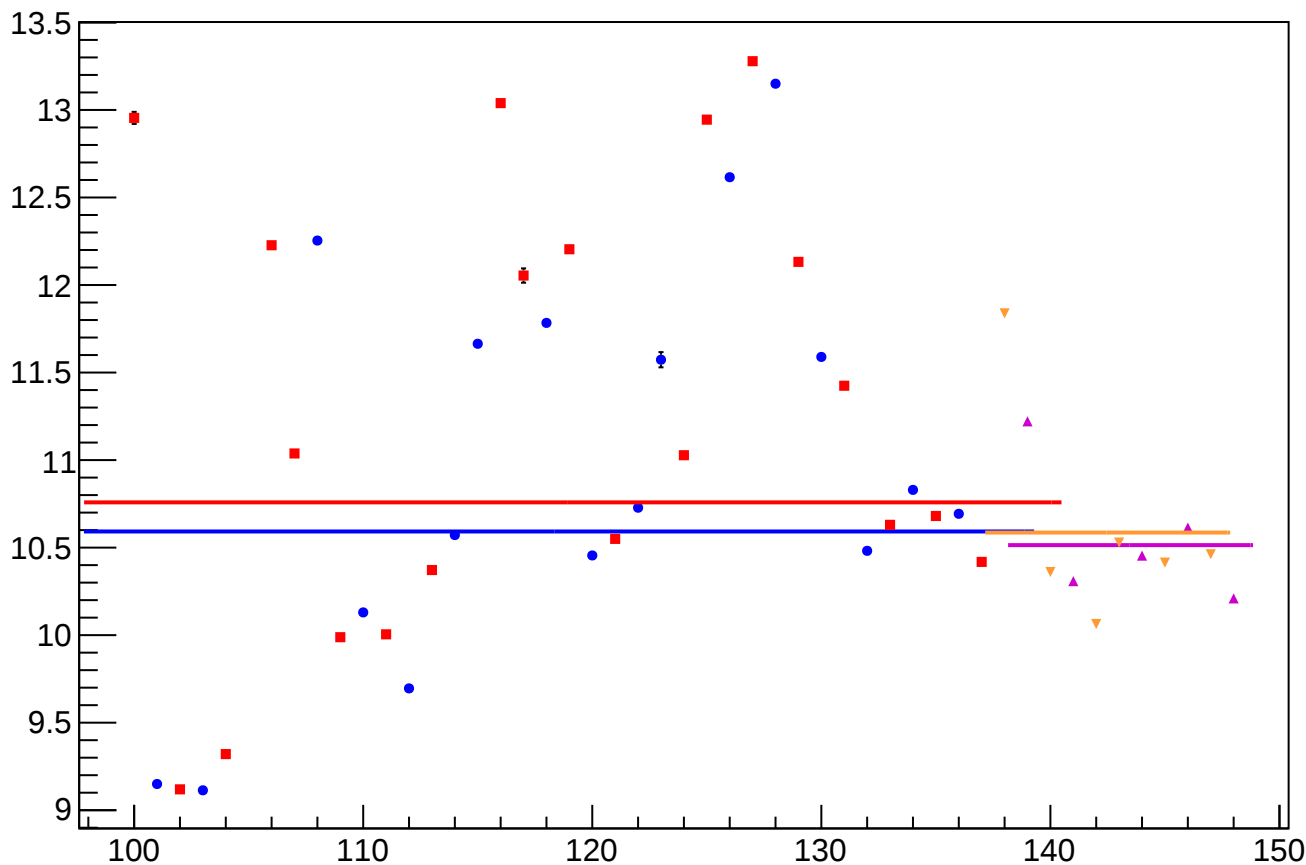
Right Out: -10.806+/-4.068 χ^2/NDF : 27.0/19

Left In: 14.070+/-5.289 χ^2/NDF : 1.8/4

-5.593+/-3.241 χ^2/NDF : 23.0/22

-1.559+/-3.225 χ^2/NDF : 42.7/24

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.592 ± 0.003 χ^2/NDF : 160397.9/16

Left Out: 10.586 ± 0.004 χ^2/NDF : 19474.1/5

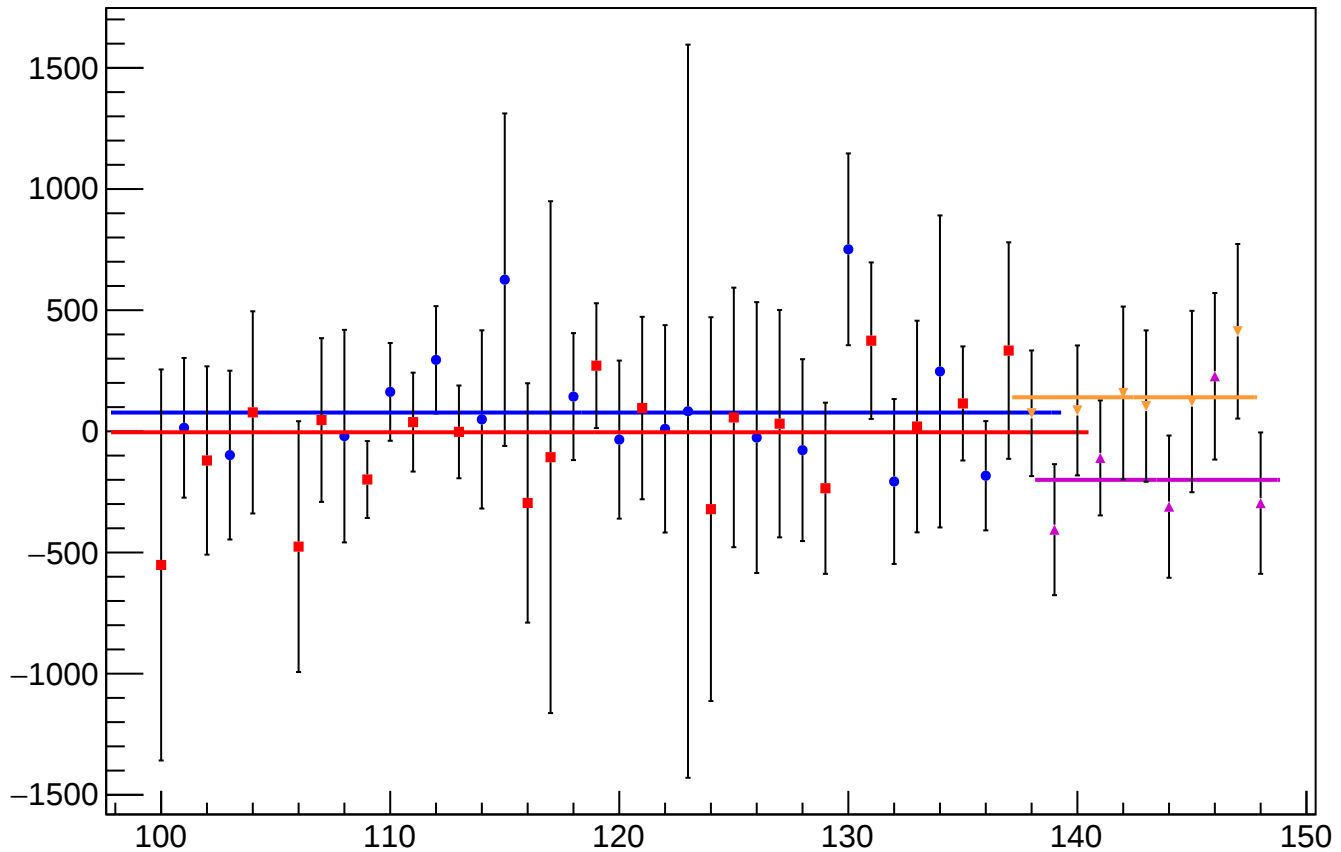
Right Out: 10.758 ± 0.003 χ^2/NDF : 177903.3/19

Left In: 10.514 ± 0.004 χ^2/NDF : 7555.2/4

10.590 ± 0.002 χ^2/NDF : 179873.7/22

10.668 ± 0.002 χ^2/NDF : 188137.7/24

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: 140.676+/-127.294 χ^2/NDF : 0.7/5

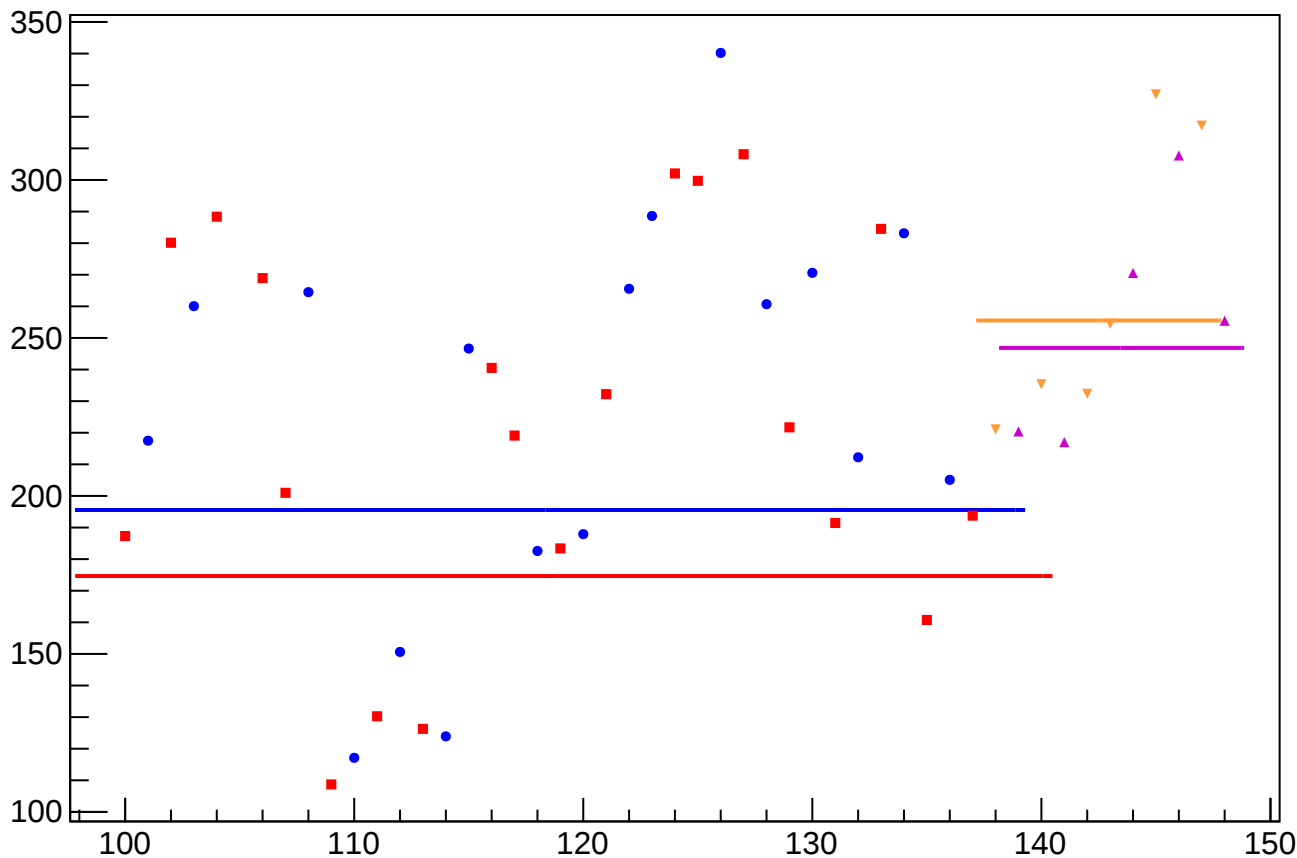
Right Out: -3.768+/-70.696 χ^2/NDF : 7.4/19

Left In: -200.157+/-125.720 χ^2/NDF : 2.5/4

95.372+/-67.583 χ^2/NDF : 8.4/22

-50.949+/-61.621 χ^2/NDF : 11.7/24

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.551 $\pm$ 0.056 χ^2 /NDF: 979937.7/16

Left Out: 255.531 $\pm$ 0.090 χ^2 /NDF:186792.6/5

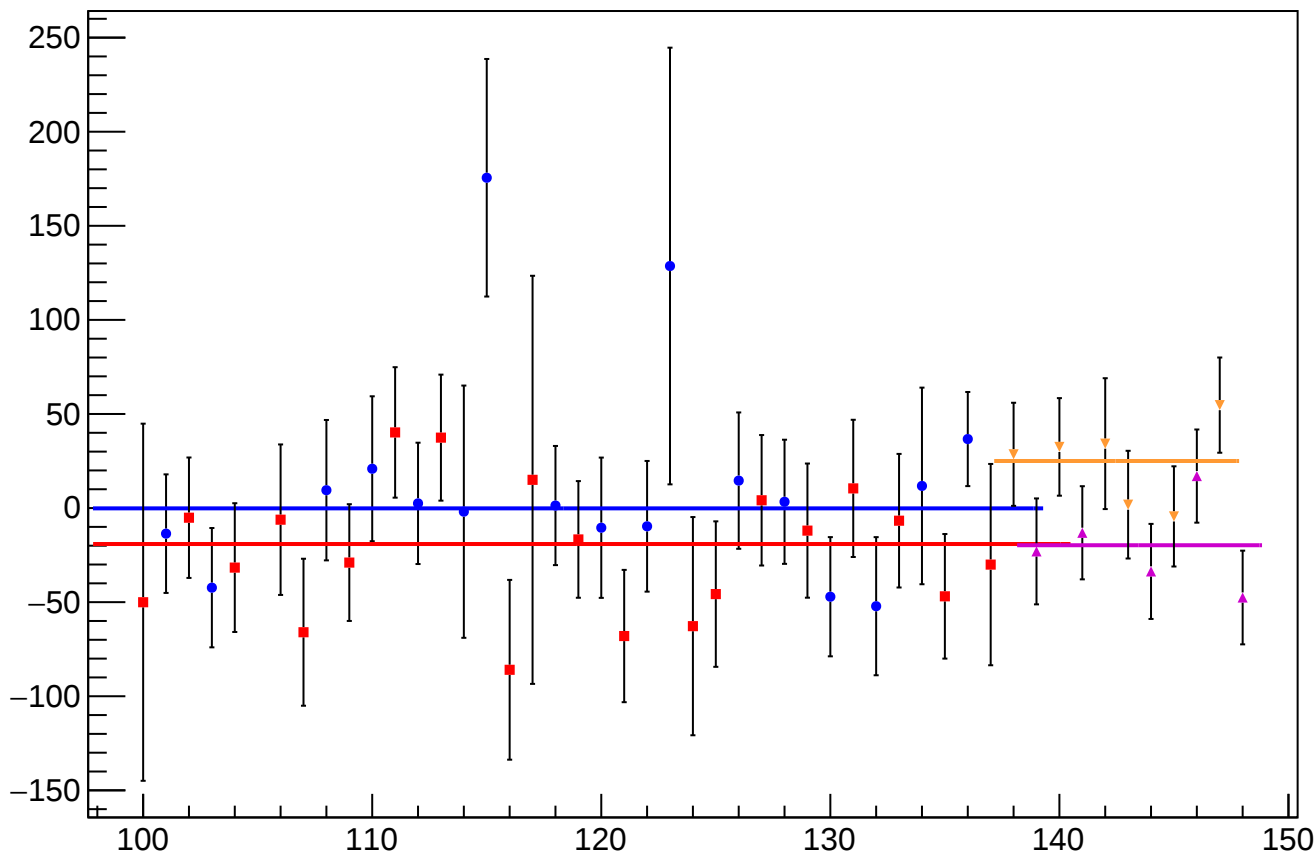
Right Out: 174.649 $\pm$ 0.050 χ^2 /NDF: 1532189.1/19

Left In: 246.851 $\pm$ 0.089 χ^2 /NDF:128294.8/4

212.458 $\pm$ 0.048 χ^2 /NDF: 1485612.8/22

191.995 $\pm$ 0.044 χ^2 /NDF: 2161651.8/24

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: 25.016 ± 11.292 χ^2/NDF : 3.4/5

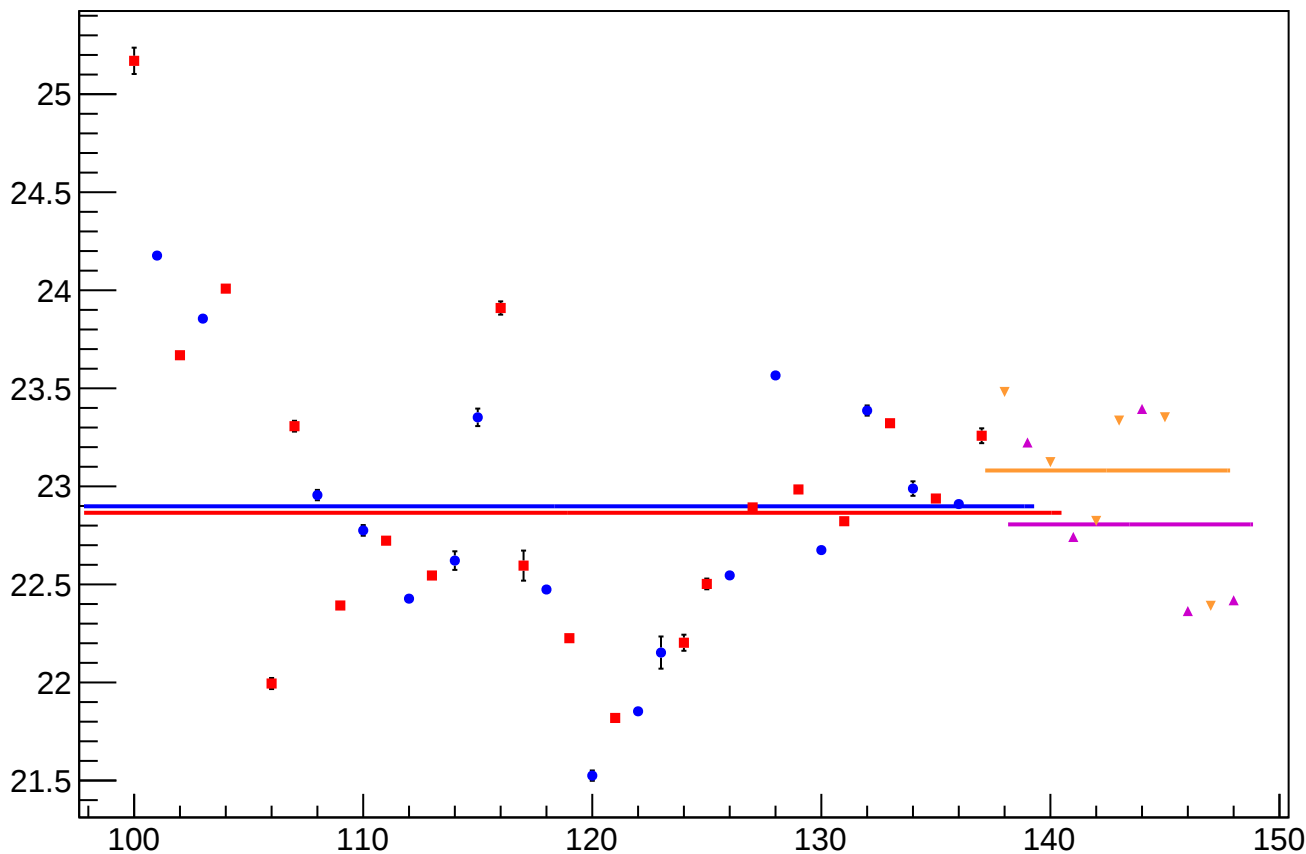
Right Out: -19.104 ± 8.527 χ^2/NDF : 14.9/19

Left In: -19.750 ± 11.391 χ^2/NDF : 3.8/4

9.389 ± 6.954 χ^2/NDF : 24.6/22

-19.336 ± 6.826 χ^2/NDF : 18.7/24

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.898 ± 0.006 $\chi^2/\text{NDF}: 12143.3/16$

Left Out: 23.081 ± 0.008 $\chi^2/\text{NDF}: 2395.9/5$

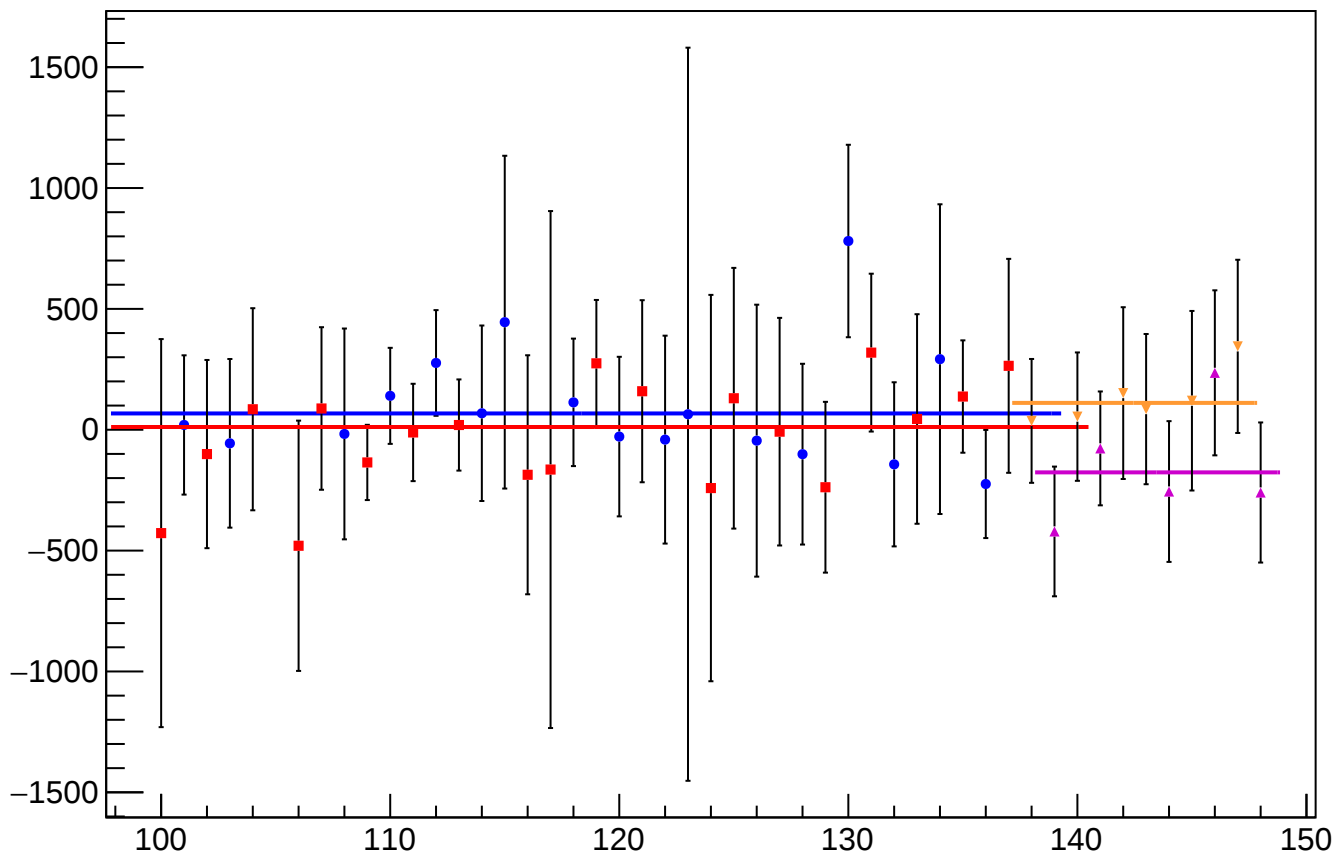
Right Out: 22.865 ± 0.006 $\chi^2/\text{NDF}: 11060.8/19$

Left In: 22.806 ± 0.008 $\chi^2/\text{NDF}: 2660.5/4$

22.968 ± 0.005 $\chi^2/\text{NDF}: 14863.9/22$

22.844 ± 0.005 $\chi^2/\text{NDF}: 13756.0/24$

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: 111.096+/-126.258 χ^2/NDF : 0.6/5

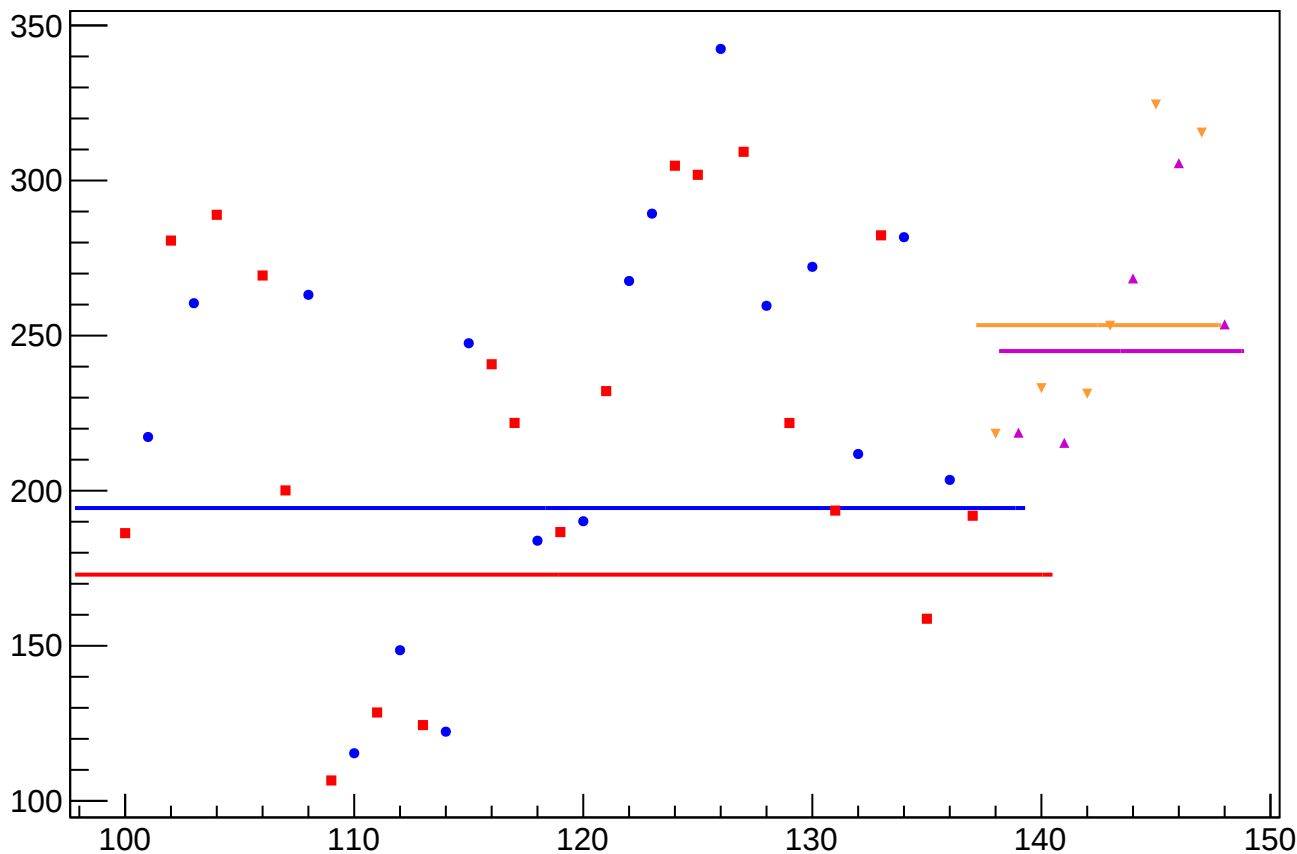
Right Out: 11.355+/-70.203 χ^2/NDF : 5.8/19

Left In: -176.350+/-124.808 χ^2/NDF : 2.6/4

79.819+/-67.216 χ^2/NDF : 8.0/22

-33.760+/-61.188 χ^2/NDF : 10.1/24

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.411 ± 0.056 χ^2/NDF : 1019913.2/16

Left Out: 253.376 ± 0.089 χ^2/NDF : 190207.4/5

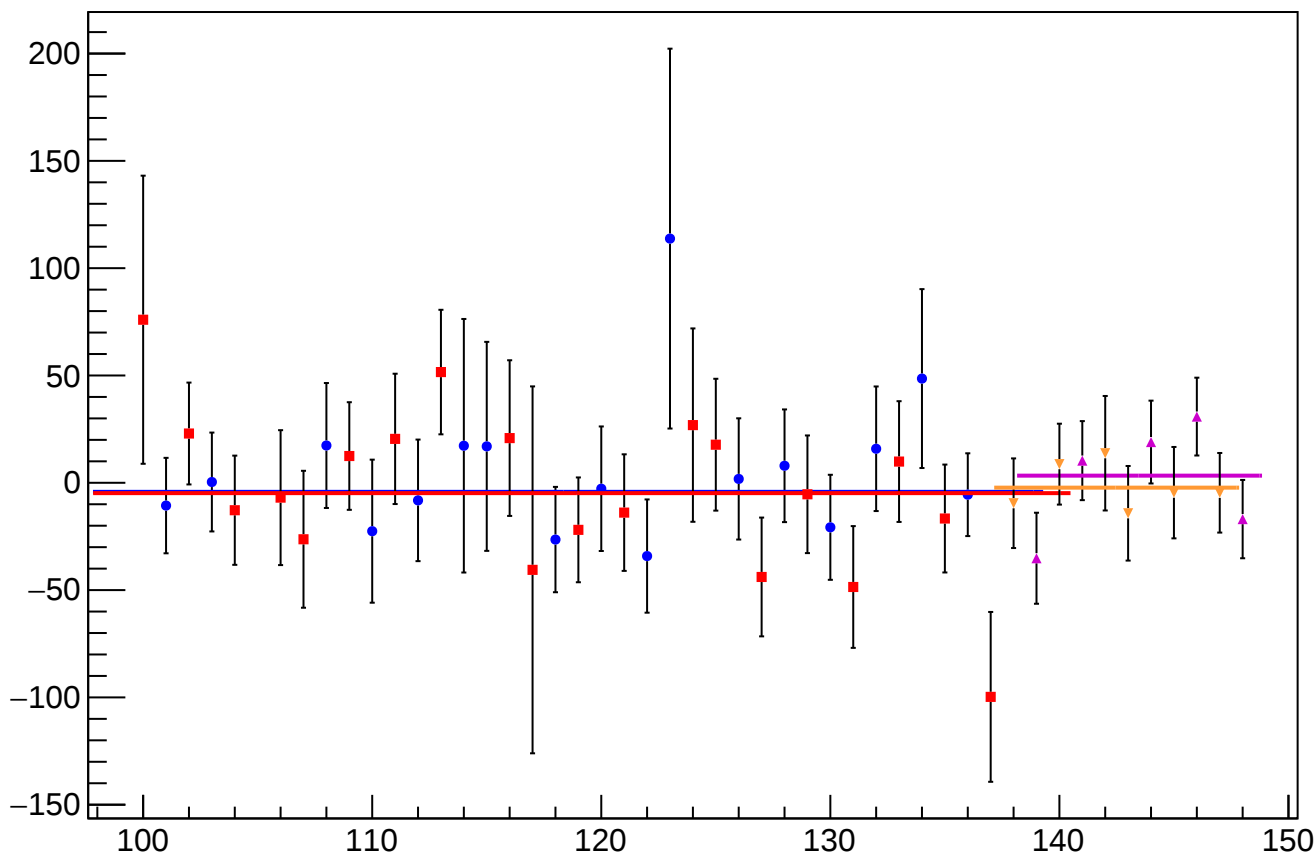
Right Out: 172.942 ± 0.050 χ^2/NDF : 1600959.1/19

Left In: 245.020 ± 0.088 χ^2/NDF : 128433.9/4

211.122 ± 0.048 χ^2/NDF : 1522704.6/22

190.266 ± 0.043 χ^2/NDF : 2236117.6/24

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.223 $\pm$ 6.871 χ^2 /NDF: 8.0/16

Left Out: -2.263 $\pm$ 8.548 χ^2 /NDF:1.1/5

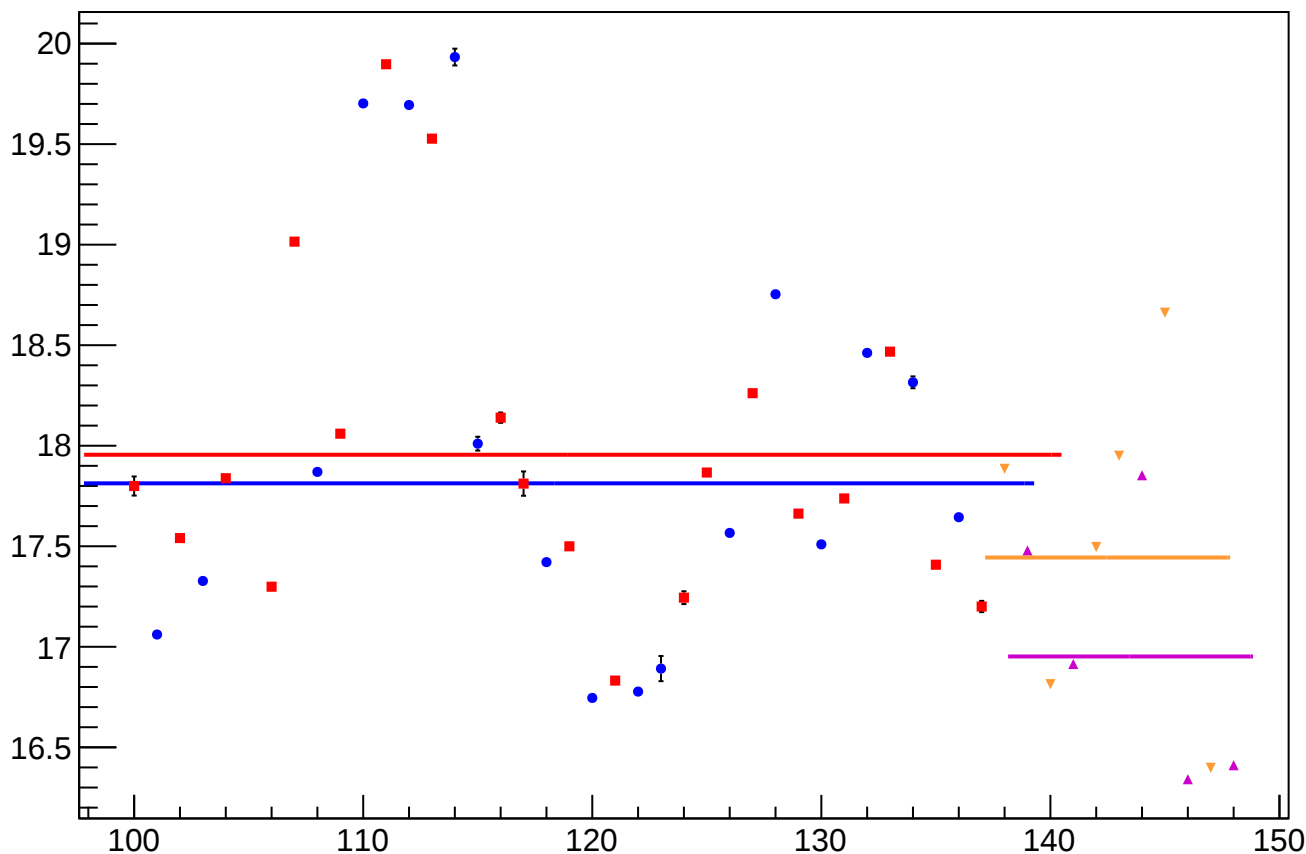
Right Out: -4.820 $\pm$ 6.704 χ^2 /NDF: 21.3/19

Left In: 3.327 $\pm$ 8.480 χ^2 /NDF:7.6/4

-3.453 $\pm$ 5.356 χ^2 /NDF: 9.2/22

-1.687 $\pm$ 5.259 χ^2 /NDF: 29.5/24

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: 17.444 ± 0.006 χ^2/NDF : 17093.8/5

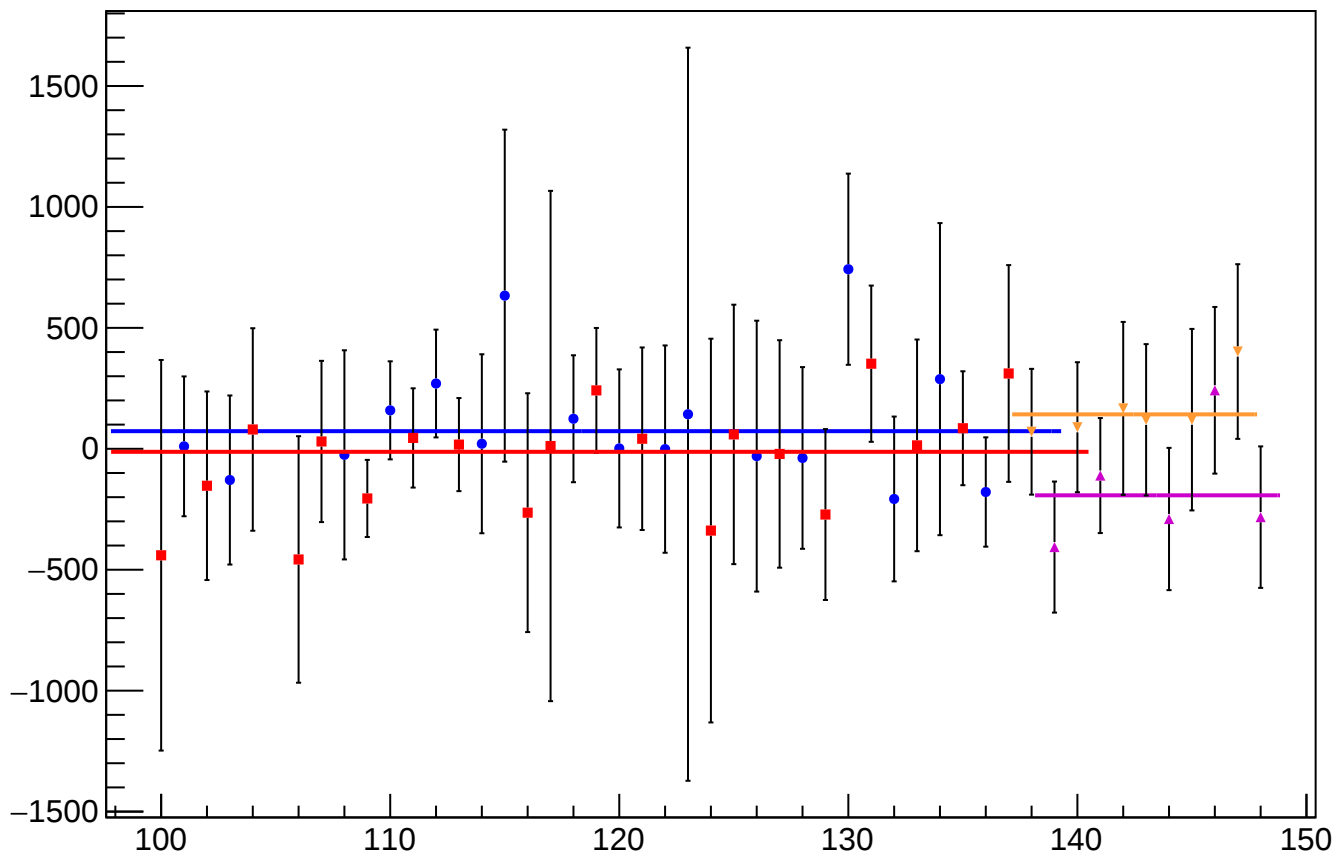
Right Out: 17.955 ± 0.005 χ^2/NDF : 25451.0/19

Left In: 16.952 ± 0.006 χ^2/NDF : 9634.3/4

17.668 ± 0.004 χ^2/NDF : 51391.4/22

17.569 ± 0.004 χ^2/NDF : 52308.4/24

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: 142.382+/-127.584 χ^2/NDF : 0.6/5

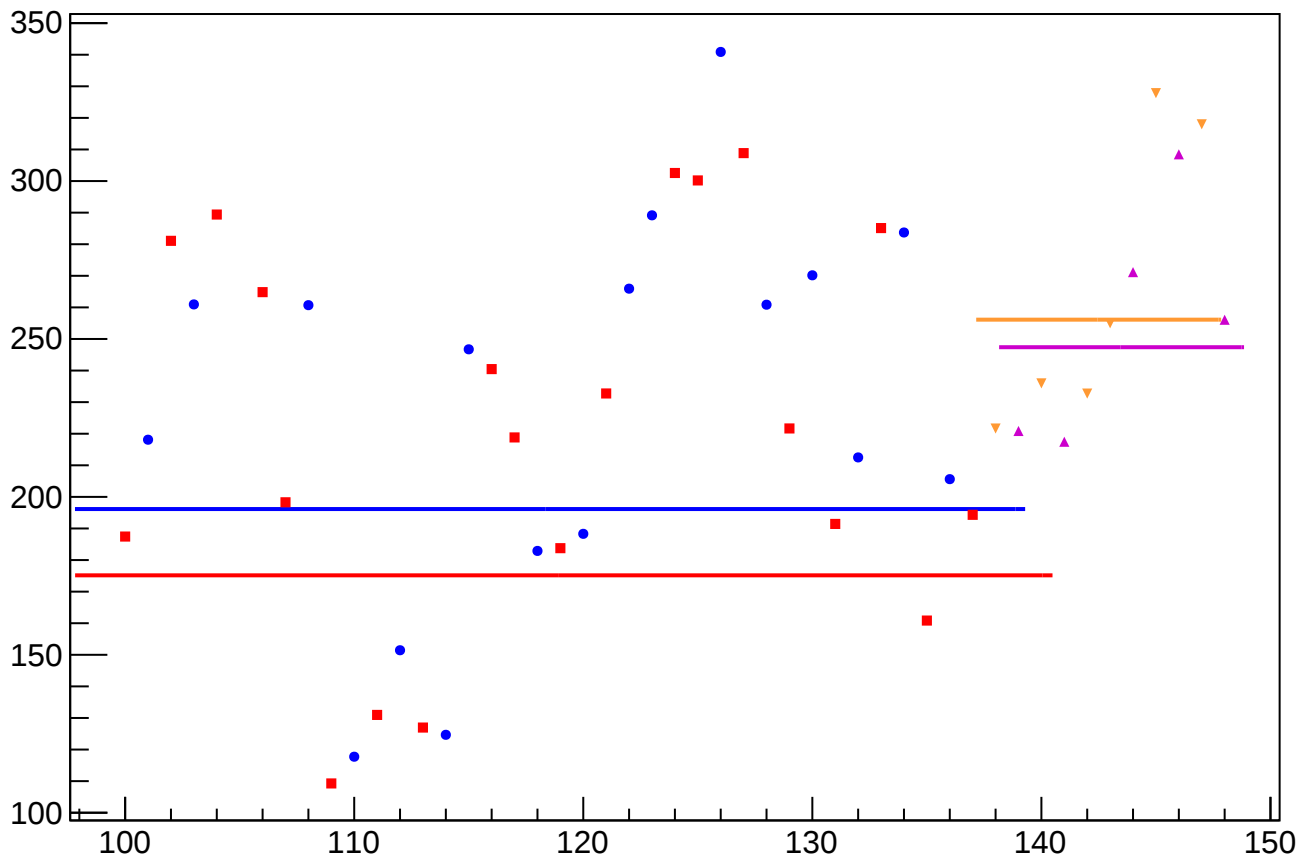
Right Out: -12.456+/-70.853 χ^2/NDF : 6.7/19

Left In: -192.314+/-125.997 χ^2/NDF : 2.5/4

92.482+/-67.746 χ^2/NDF : 8.1/22

-55.667+/-61.758 χ^2/NDF : 10.8/24

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: 256.115+/-0.090 χ^2/NDF :186744.6/5

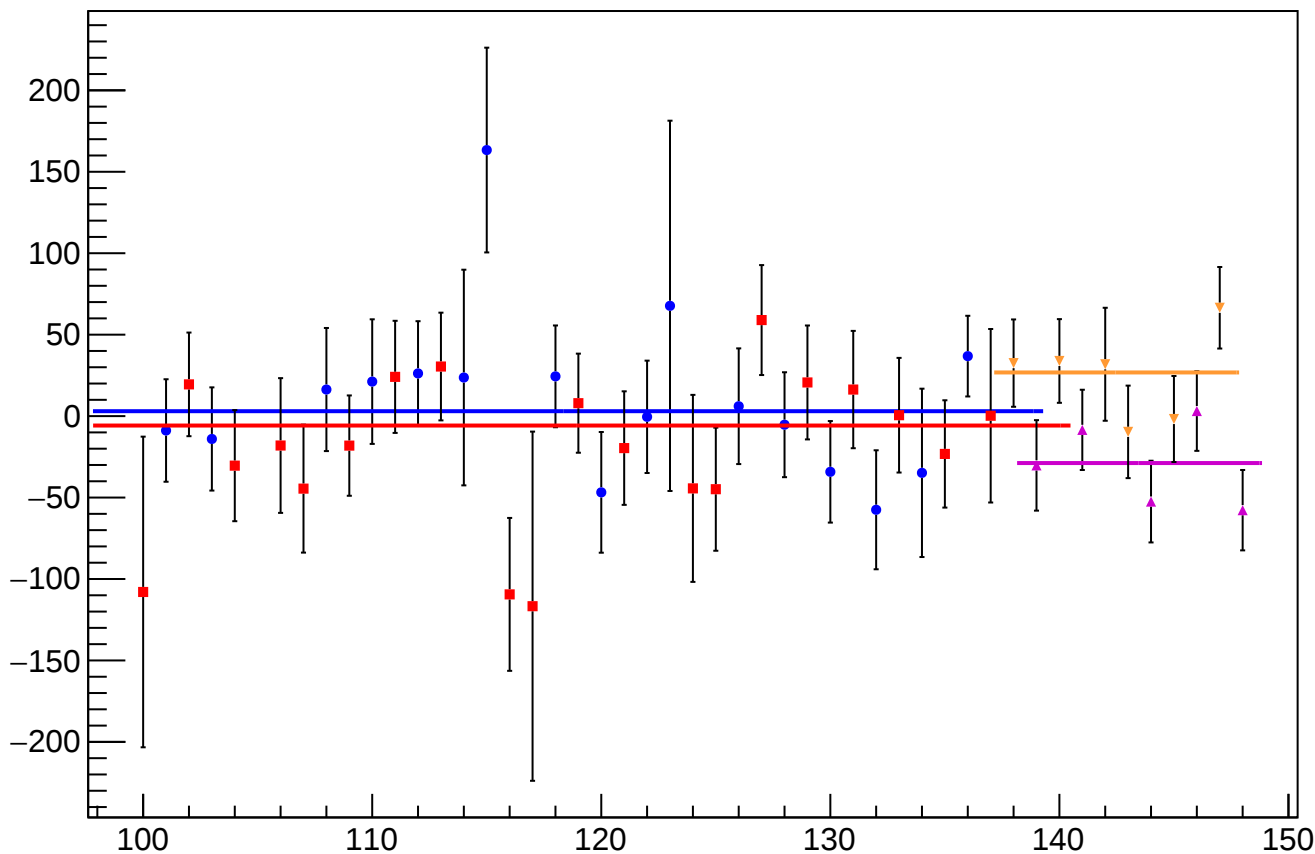
Right Out: 175.163+/-0.050 χ^2/NDF : 1514398.4/19

Left In: 247.392+/-0.089 χ^2/NDF :128545.0/4

213.058+/-0.048 χ^2/NDF : 1468973.1/22

192.516+/-0.044 χ^2/NDF : 2142296.2/24

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: 26.802 ± 11.175 $\chi^2/\text{NDF}: 5.5/5$

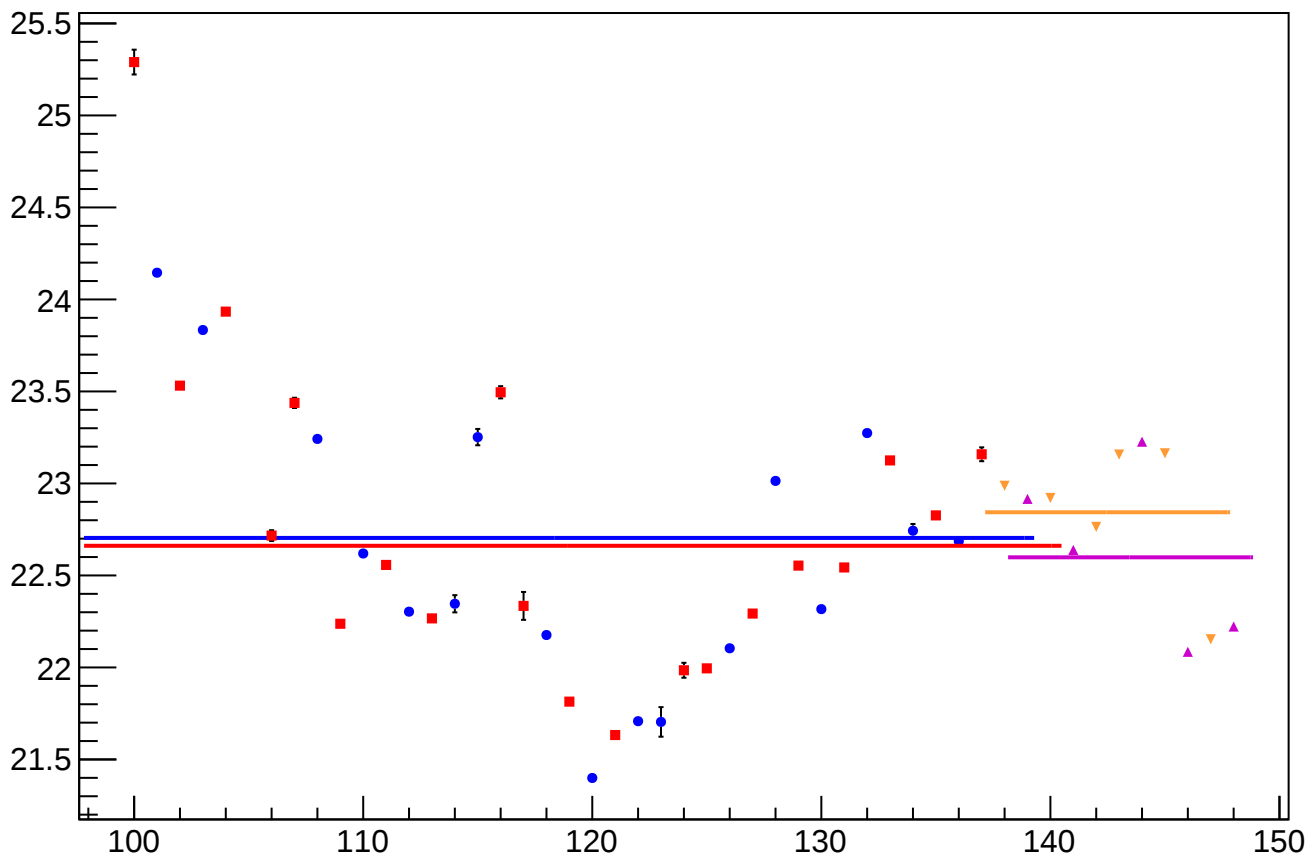
Right Out: -5.786 ± 8.451 $\chi^2/\text{NDF}: 18.3/19$

Left In: -28.815 ± 11.287 $\chi^2/\text{NDF}: 4.7/4$

12.062 ± 6.890 $\chi^2/\text{NDF}: 25.5/22$

-14.058 ± 6.765 $\chi^2/\text{NDF}: 25.6/24$

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: 22.843+/-0.008 χ^2/NDF : 2145.4/5

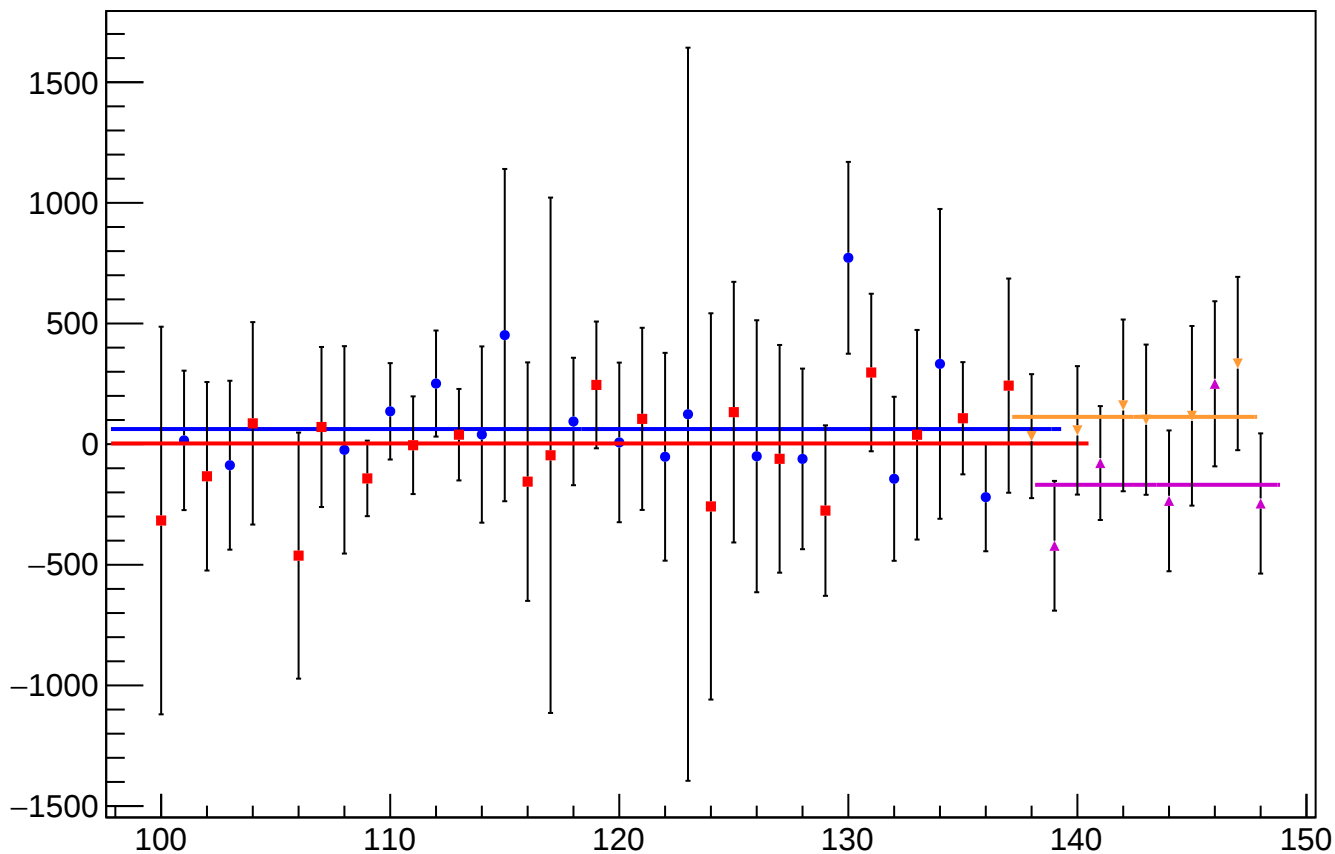
Right Out: 22.661+/-0.006 χ^2/NDF : 12962.1/19

Left In: 22.599+/-0.008 χ^2/NDF : 2869.8/4

22.757+/-0.005 χ^2/NDF : 16444.0/22

22.639+/-0.005 χ^2/NDF : 15871.3/24

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: 113.050+/-126.549 χ^2/NDF : 0.5/5

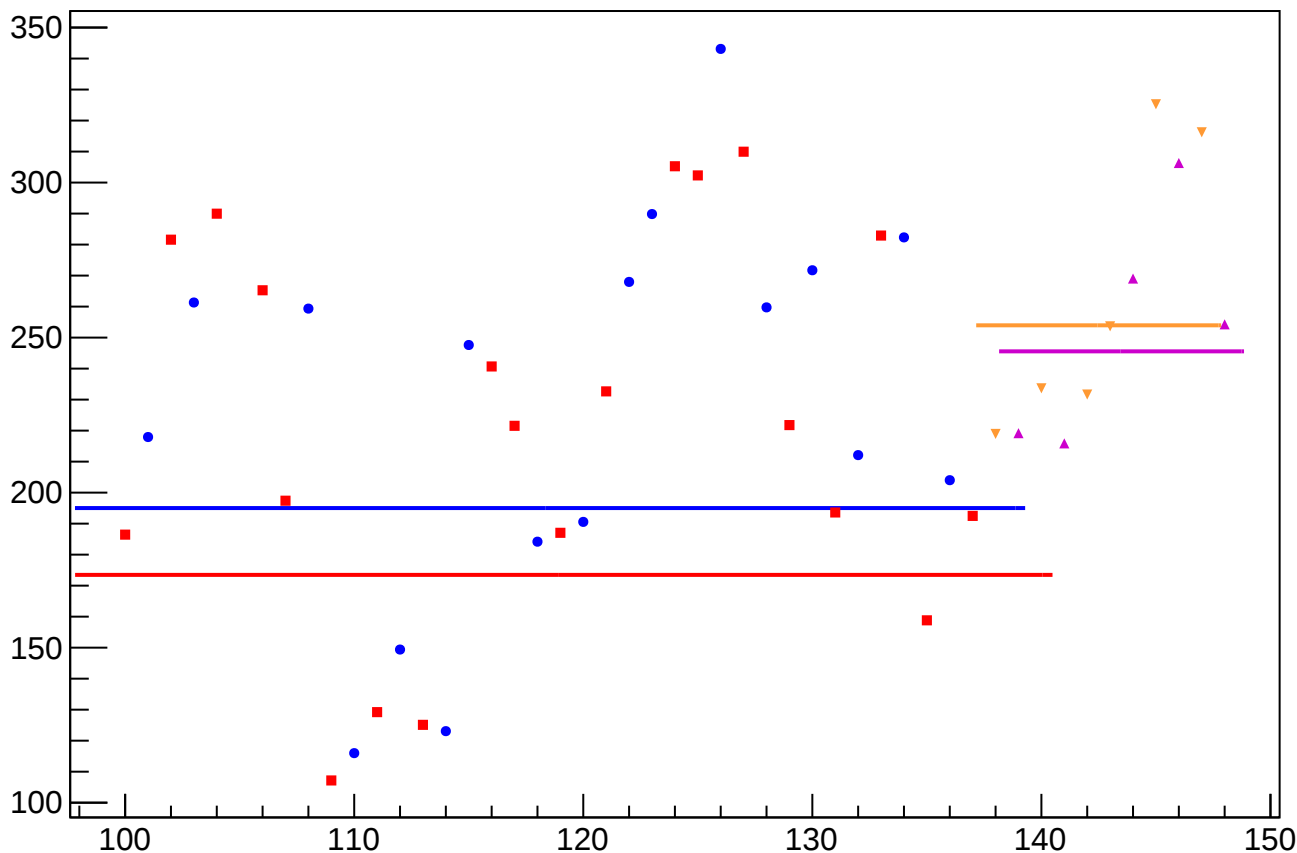
Right Out: 2.824+/-70.364 χ^2/NDF : 5.2/19

Left In: -168.510+/-125.085 χ^2/NDF : 2.6/4

76.884+/-67.382 χ^2/NDF : 7.7/22

-38.360+/-61.327 χ^2/NDF : 9.3/24

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: 253.961 ± 0.089 χ^2/NDF : 190136.5/5

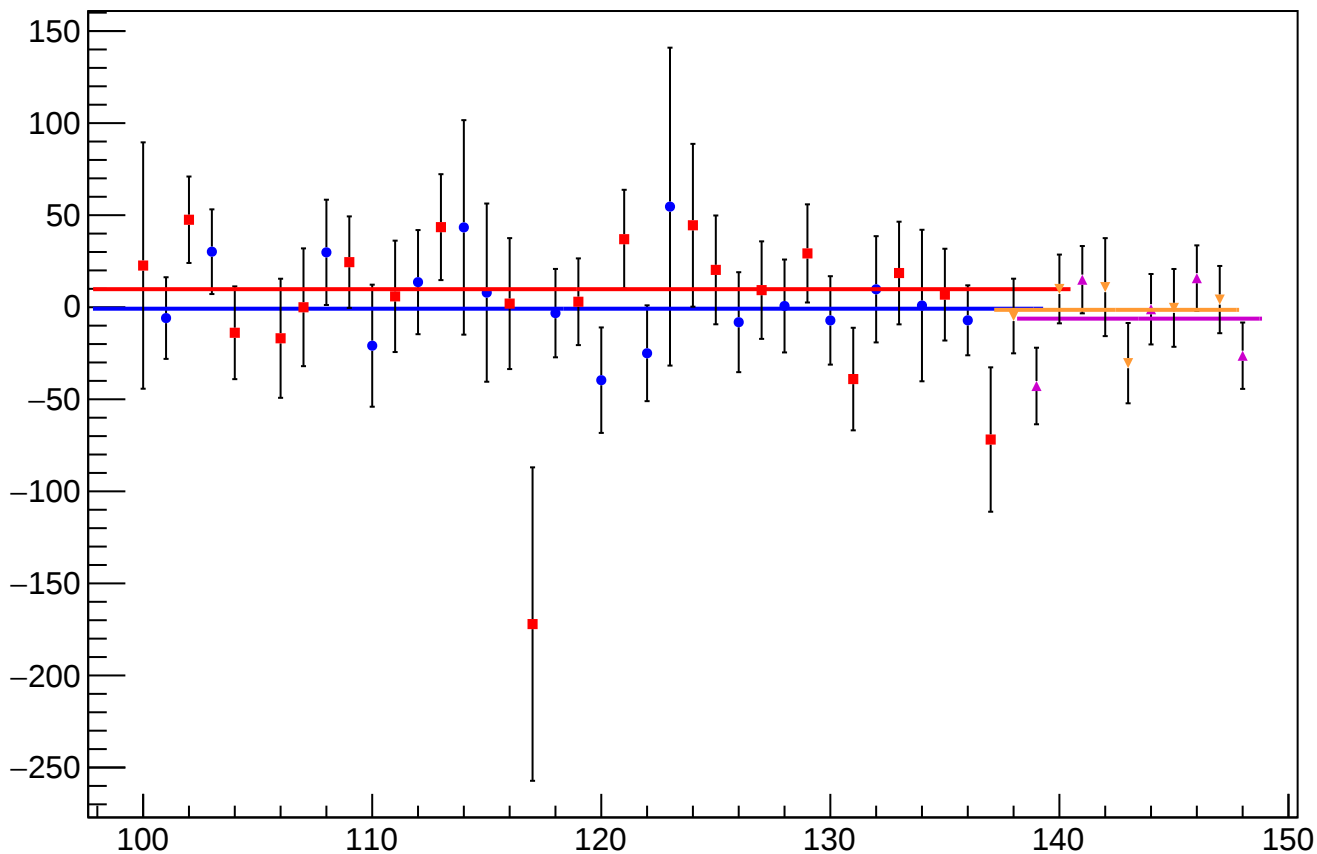
Right Out: 173.471 ± 0.050 χ^2/NDF : 1582273.4/19

Left In: 245.564 ± 0.088 χ^2/NDF : 128677.9/4

211.732 ± 0.048 χ^2/NDF : 1505258.5/22

190.801 ± 0.043 χ^2/NDF : 2215616.4/24

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.801 ± 6.770 $\chi^2/\text{NDF}: 7.8/16$

Left Out: -1.418 ± 8.435 $\chi^2/\text{NDF}: 2.5/5$

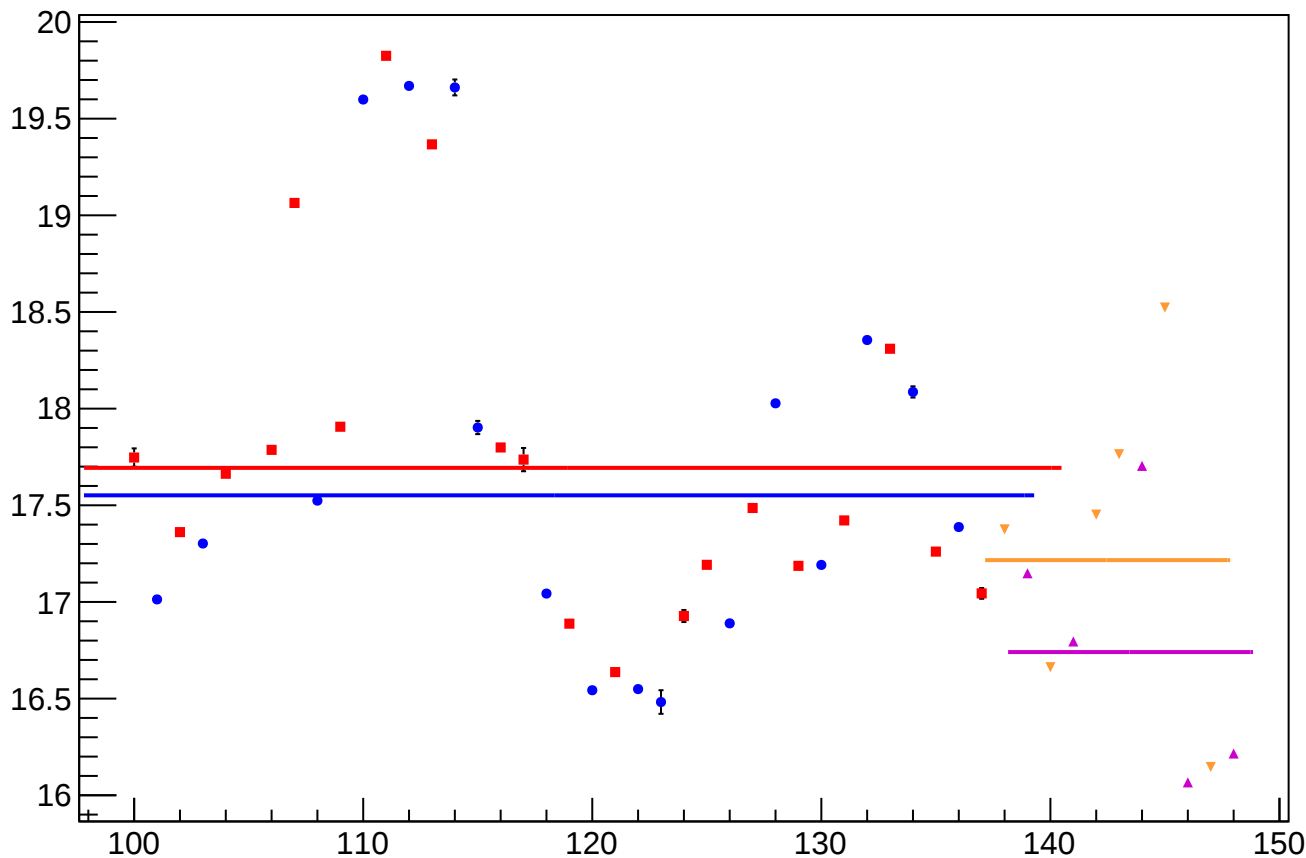
Right Out: 9.809 ± 6.606 $\chi^2/\text{NDF}: 20.5/19$

Left In: -6.200 ± 8.373 $\chi^2/\text{NDF}: 7.3/4$

-1.043 ± 5.280 $\chi^2/\text{NDF}: 10.2/22$

3.667 ± 5.186 $\chi^2/\text{NDF}: 30.1/24$

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: 17.216 ± 0.006 χ^2/NDF : 17811.9/5

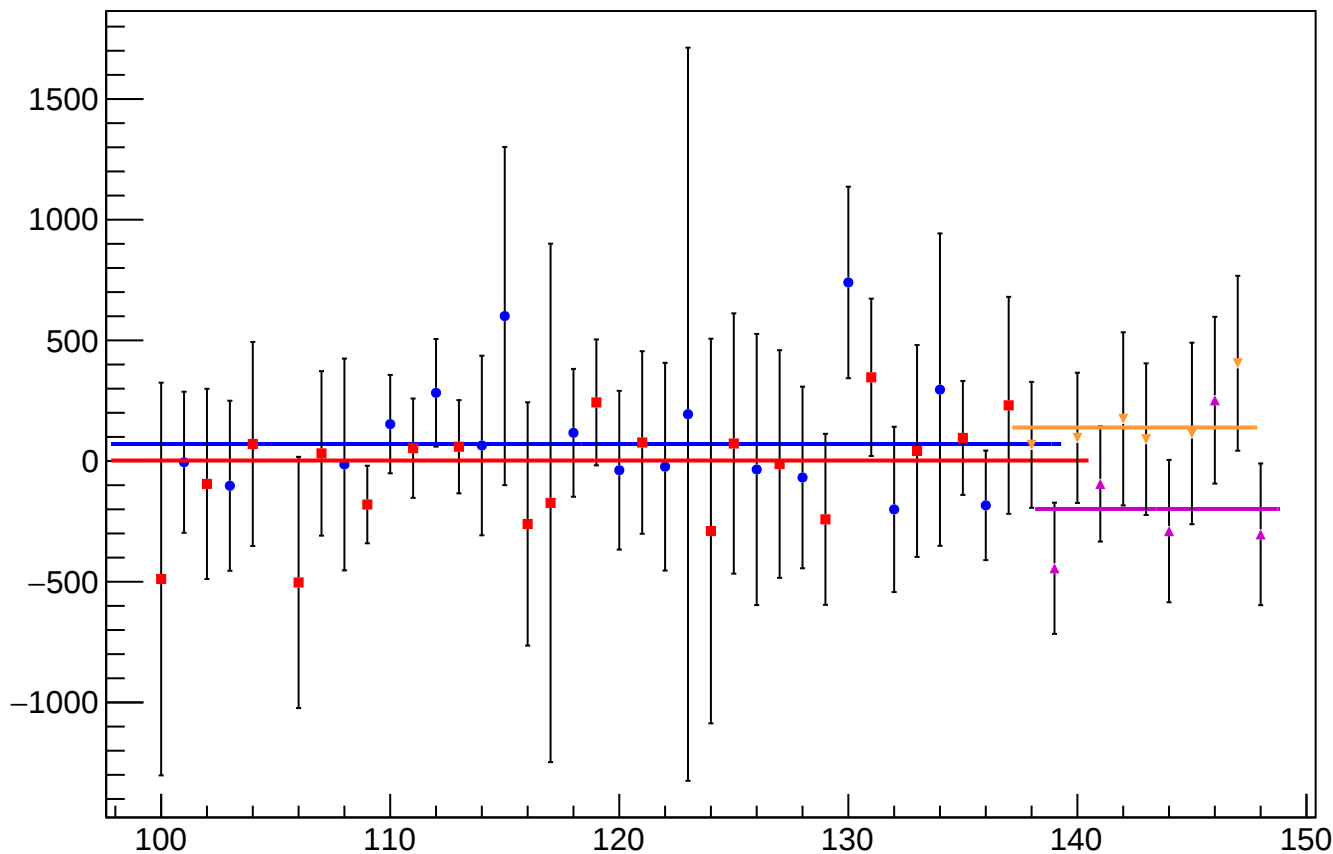
Right Out: 17.694 ± 0.005 χ^2/NDF : 30742.5/19

Left In: 16.741 ± 0.006 χ^2/NDF : 10411.8/4

17.420 ± 0.004 χ^2/NDF : 53759.8/22

17.328 ± 0.004 χ^2/NDF : 57117.3/24

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: 138.994+/-127.997 χ^2/NDF : 0.7/5

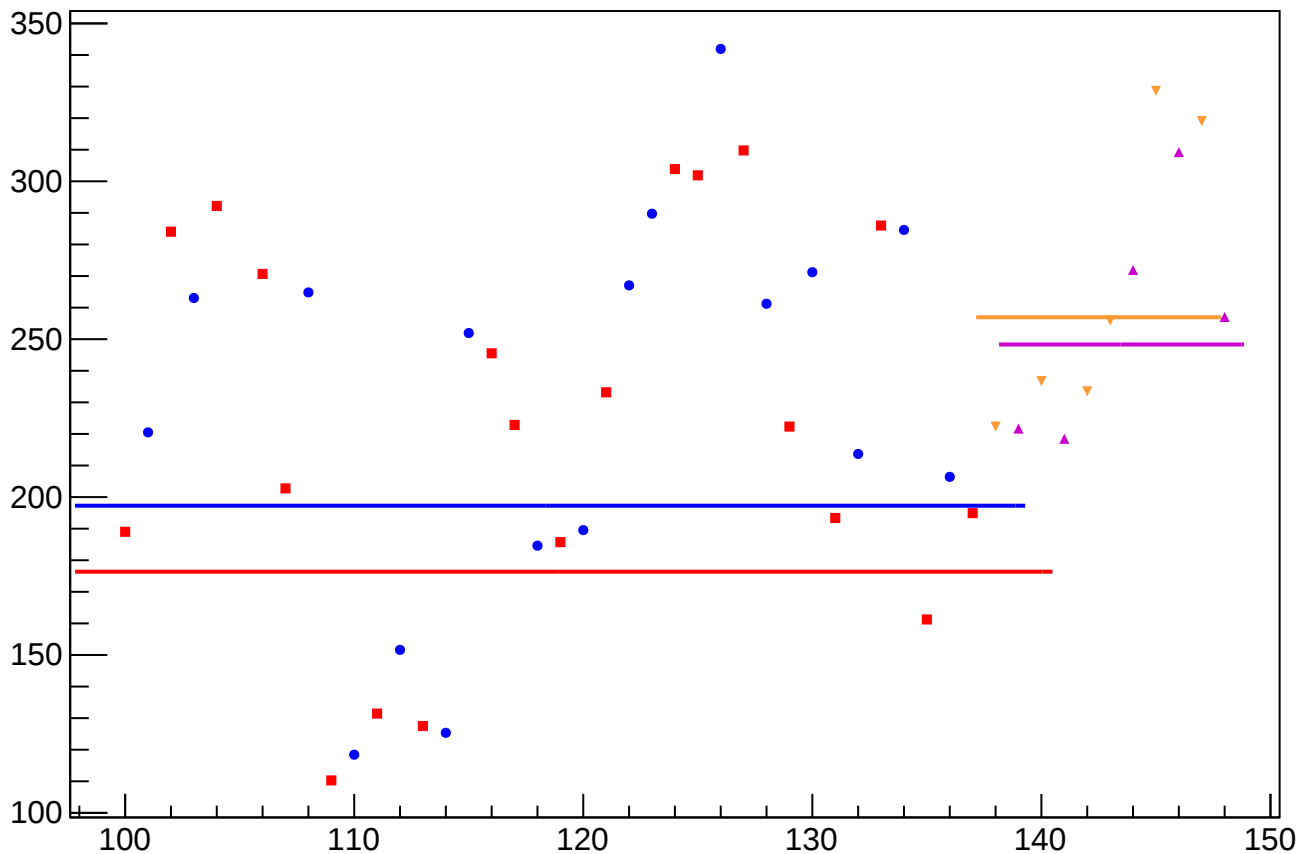
Right Out: 2.285+/-71.350 χ^2/NDF : 6.2/19

Left In: -198.473+/-126.458 χ^2/NDF : 2.9/4

89.978+/-68.088 χ^2/NDF : 8.1/22

-46.192+/-62.141 χ^2/NDF : 11.0/24

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.271+/-0.057 χ^2/NDF : 969549.7/16

Left Out: 256.948+/-0.091 χ^2/NDF :186534.6/5

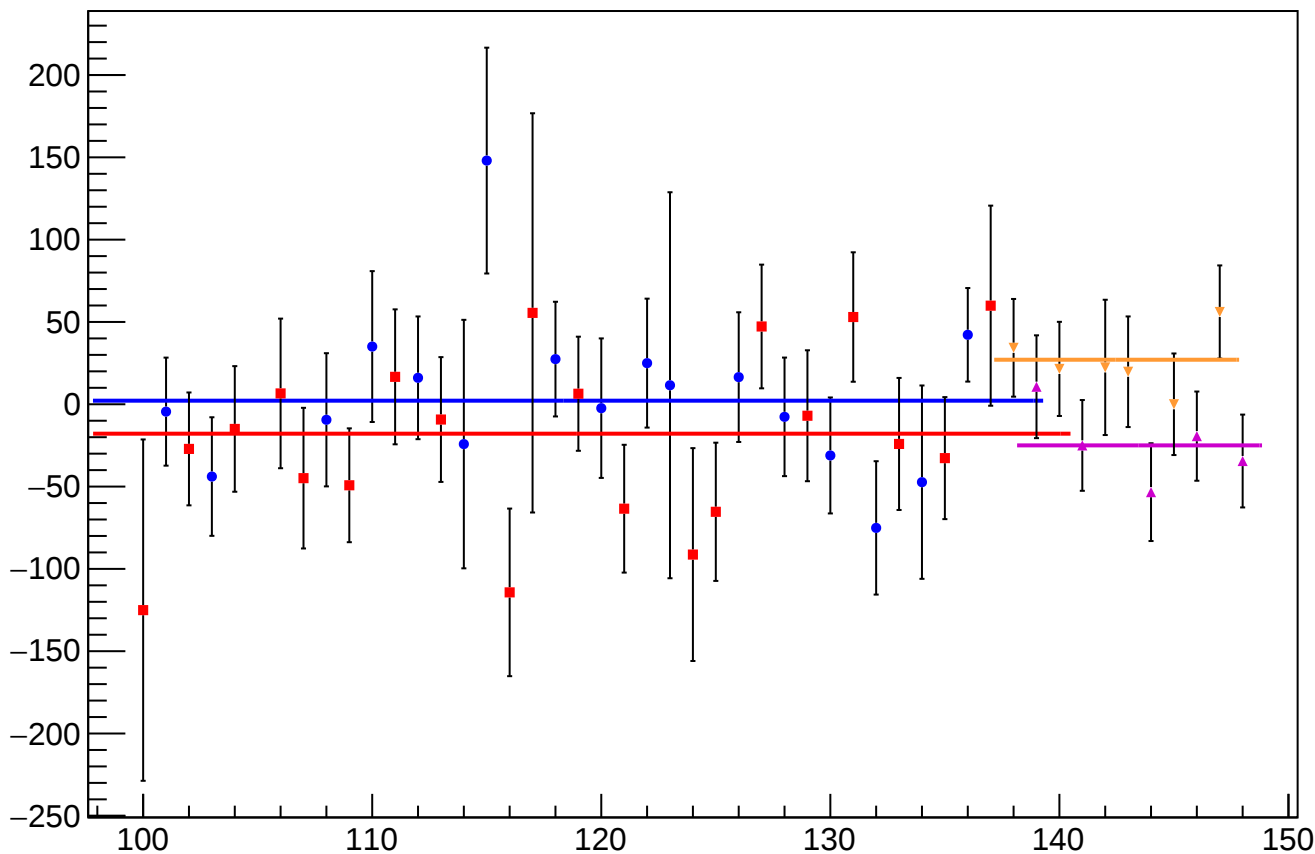
214.158+/-0.048 χ^2/NDF : 1467814.0/22

Right Out: 176.387+/-0.050 χ^2/NDF : 1523467.7/19

193.758+/-0.044 χ^2/NDF : 2141676.7/24

Left In: 248.328+/-0.089 χ^2/NDF :127220.3/4

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.178 ± 9.825 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 27.055 ± 12.765 $\chi^2/\text{NDF}: 2.0/5$

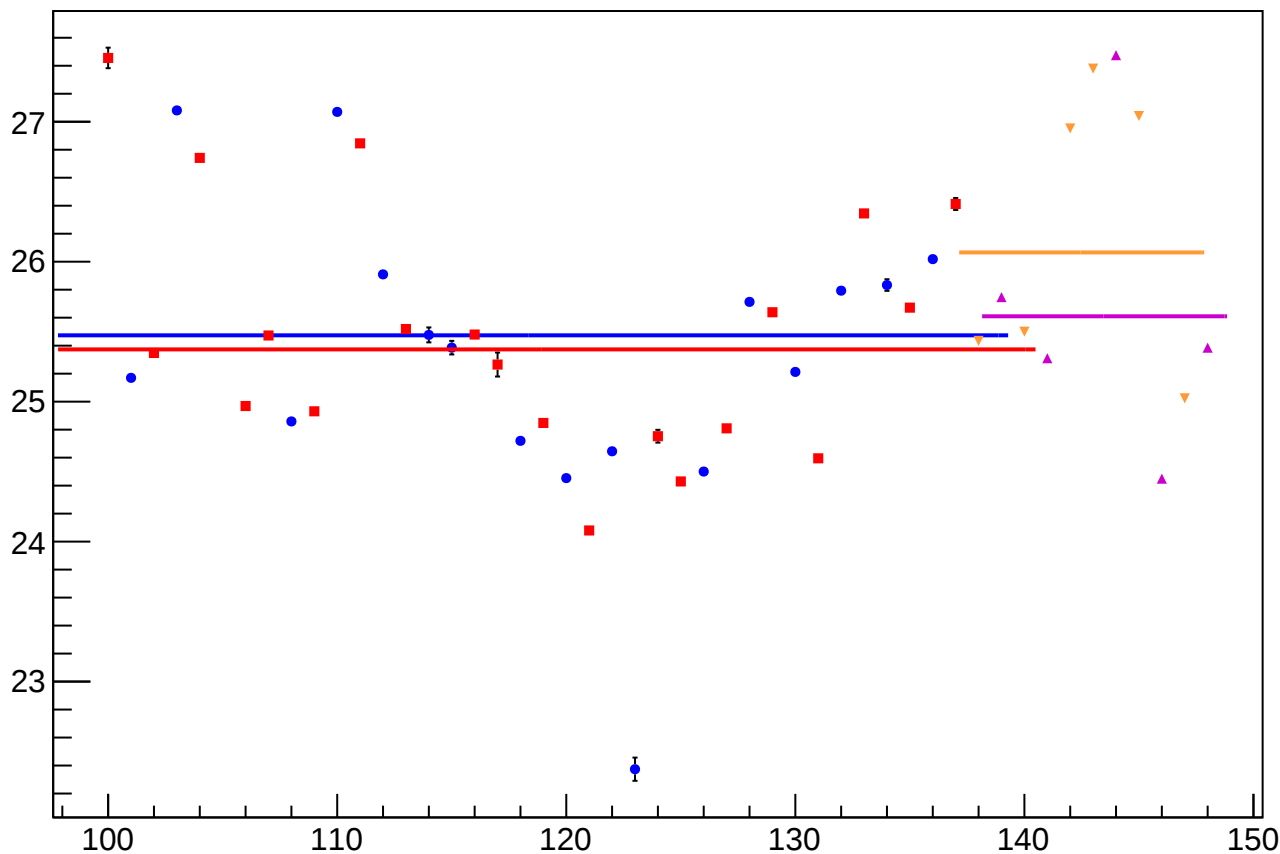
Right Out: -17.869 ± 9.468 $\chi^2/\text{NDF}: 20.0/19$

Left In: -24.976 ± 12.809 $\chi^2/\text{NDF}: 2.4/4$

11.433 ± 7.786 $\chi^2/\text{NDF}: 19.7/22$

-20.380 ± 7.614 $\chi^2/\text{NDF}: 22.5/24$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.474 $\pm$ 0.007 χ^2 /NDF: 14061.2/16

Left Out: 26.066 $\pm$ 0.009 χ^2 /NDF:10388.8/5

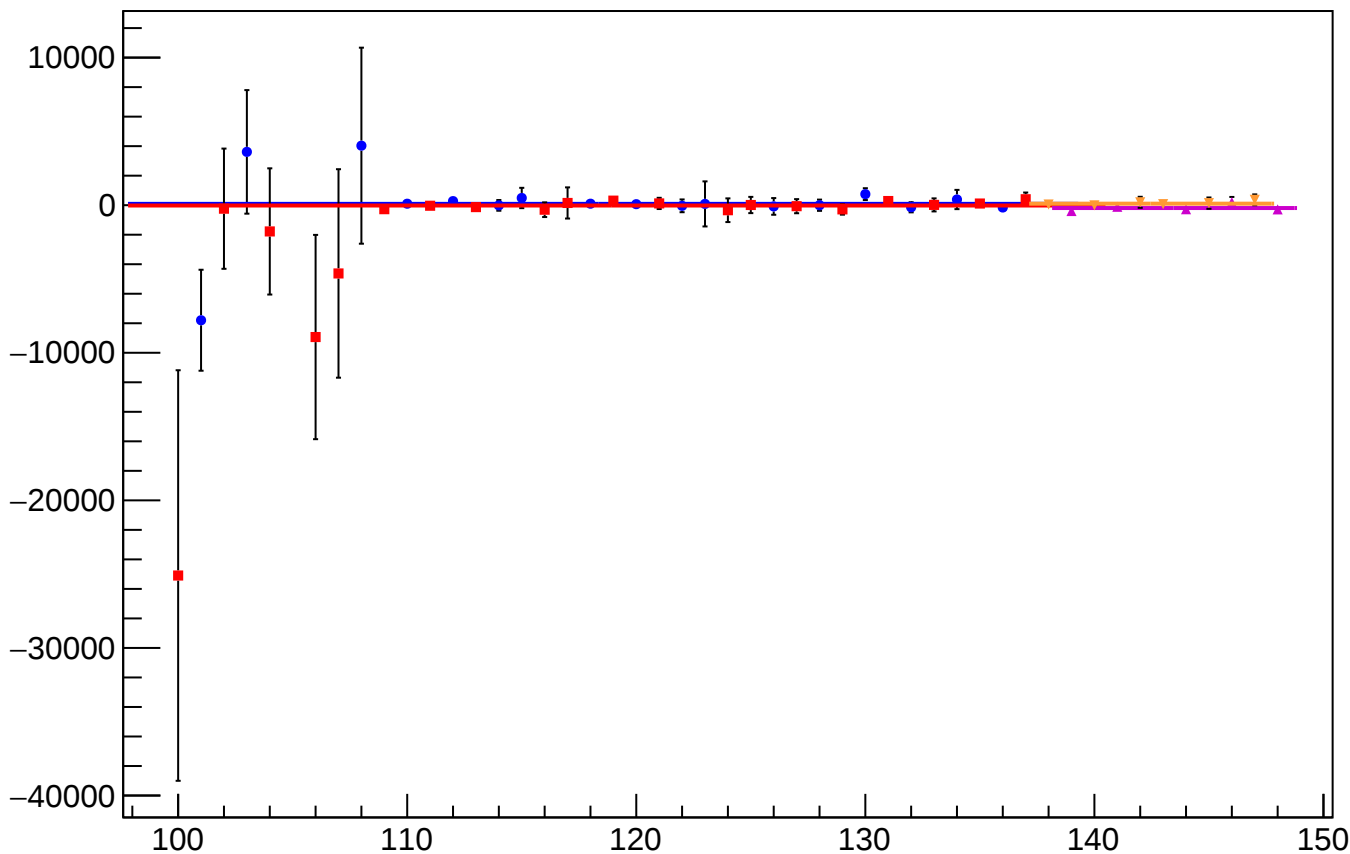
Right Out: 25.373 $\pm$ 0.007 χ^2 /NDF: 13582.8/19

Left In: 25.610 $\pm$ 0.009 χ^2 /NDF:11961.6/4

25.694 $\pm$ 0.006 χ^2 /NDF: 27153.0/22

25.457 $\pm$ 0.005 χ^2 /NDF: 25985.5/24

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: 103.182+/-128.775 χ^2/NDF : 0.8/5

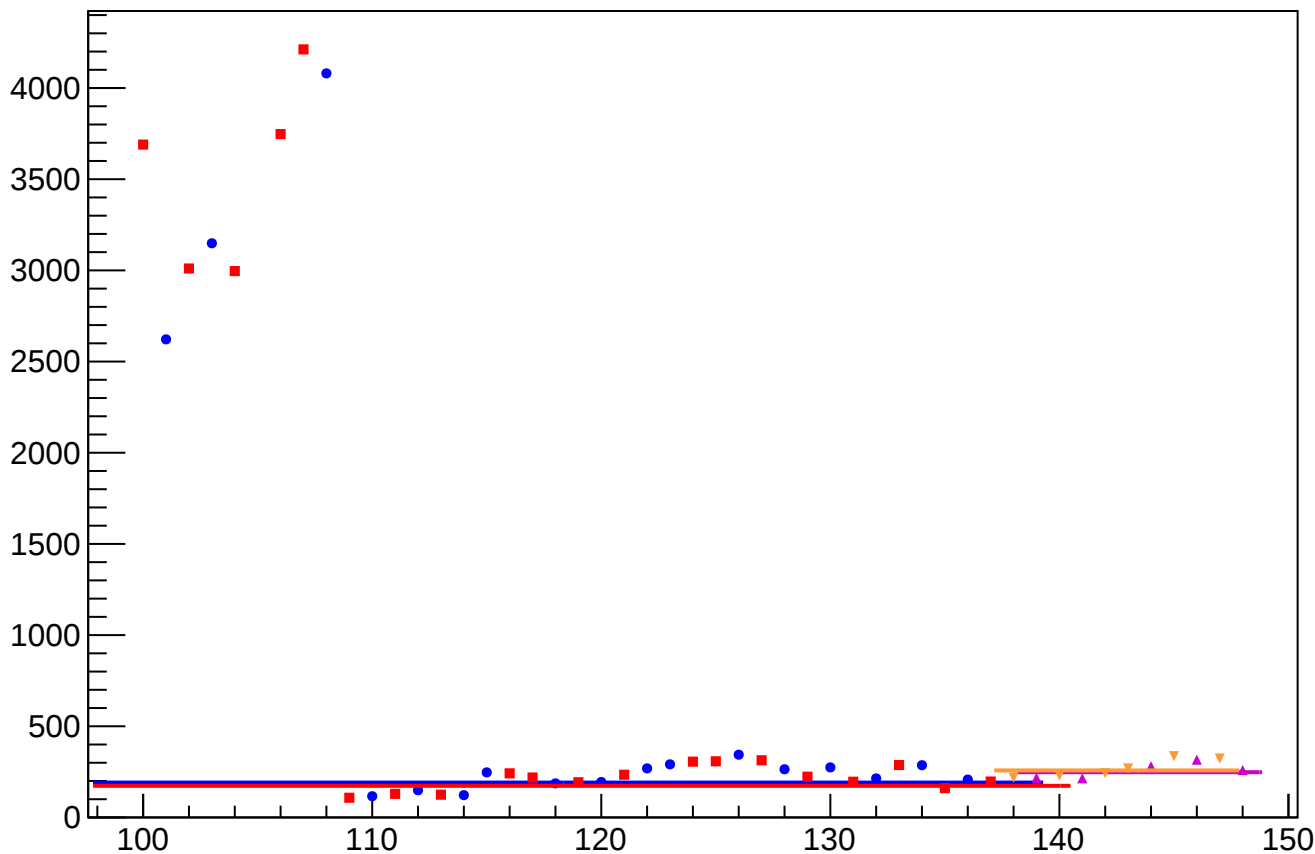
Right Out: -21.600+/-80.665 χ^2/NDF : 11.9/19

Left In: -193.070+/-126.715 χ^2/NDF : 2.1/4

93.911+/-72.447 χ^2/NDF : 13.1/22

-71.049+/-68.047 χ^2/NDF : 15.4/24

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.190 $\pm$ 0.062 χ^2 /NDF: 3571747.5/16

Left Out: 257.918 $\pm$ 0.091 χ^2 /NDF: 220823.8/5

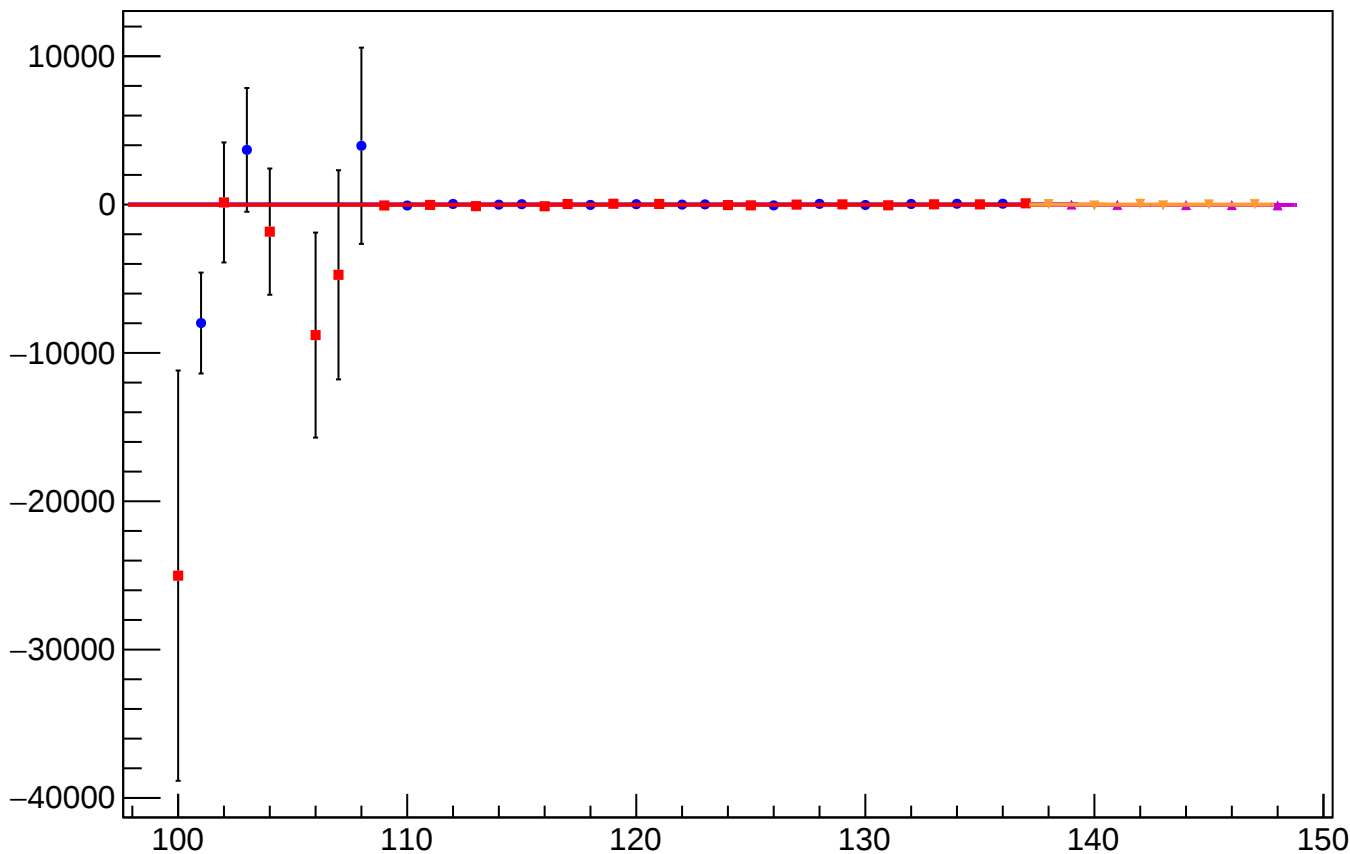
Right Out: 173.536 $\pm$ 0.057 χ^2 /NDF: 4210933.2/19

Left In: 248.148 $\pm$ 0.090 χ^2 /NDF: 168443.4/4

212.310 $\pm$ 0.051 χ^2 /NDF: 4159620.5/22

195.053 $\pm$ 0.048 χ^2 /NDF: 4872818.5/24

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: -3.565+/-14.802 χ^2/NDF : 7.8/5

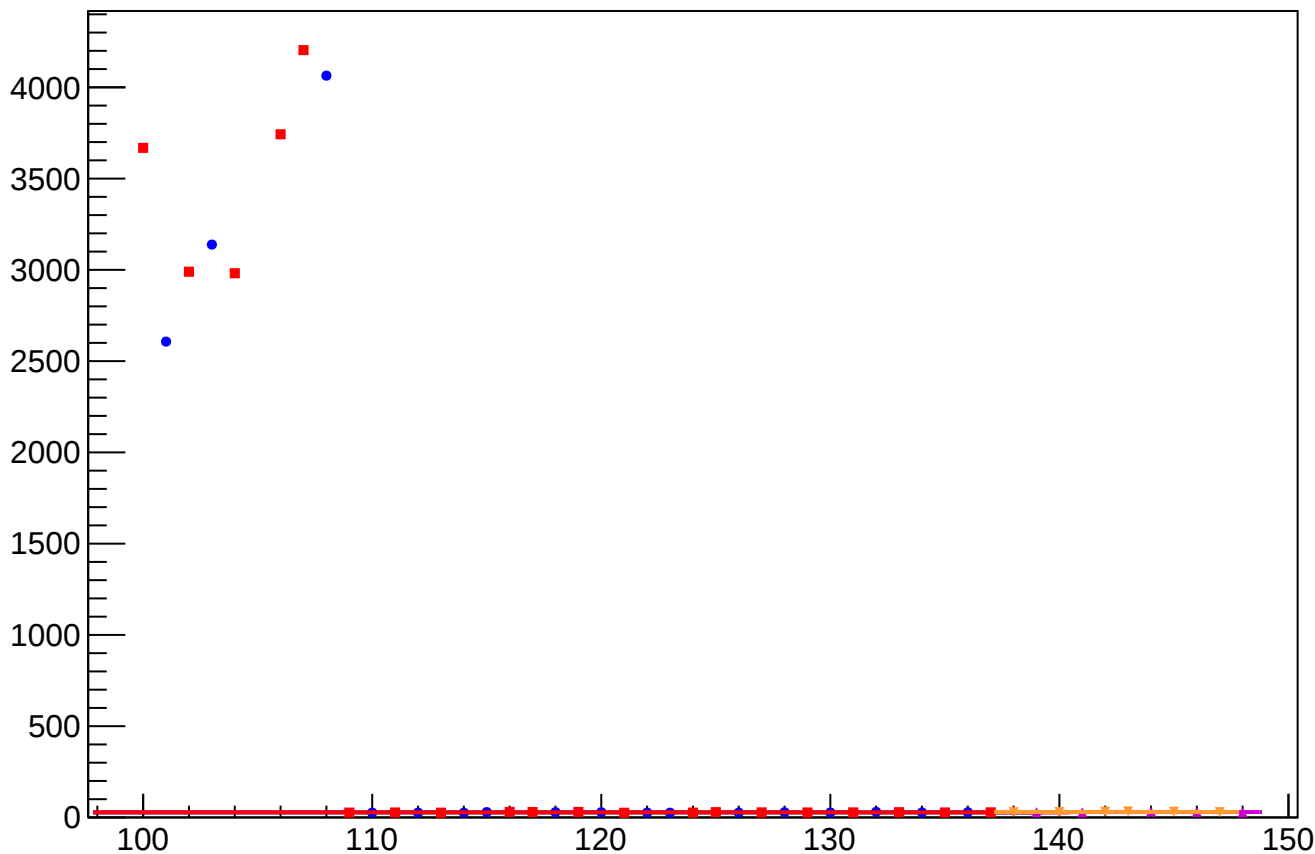
Right Out: -12.573+/-12.182 χ^2/NDF : 24.5/19

Left In: -25.980+/-14.771 χ^2/NDF : 1.5/4

4.756+/-9.410 χ^2/NDF : 26.6/22

-18.001+/-9.398 χ^2/NDF : 26.5/24

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.837+/-0.009 χ^2 /NDF: 3026887.2/16

Left Out: 30.146+/-0.010 χ^2 /NDF:19401.3/5

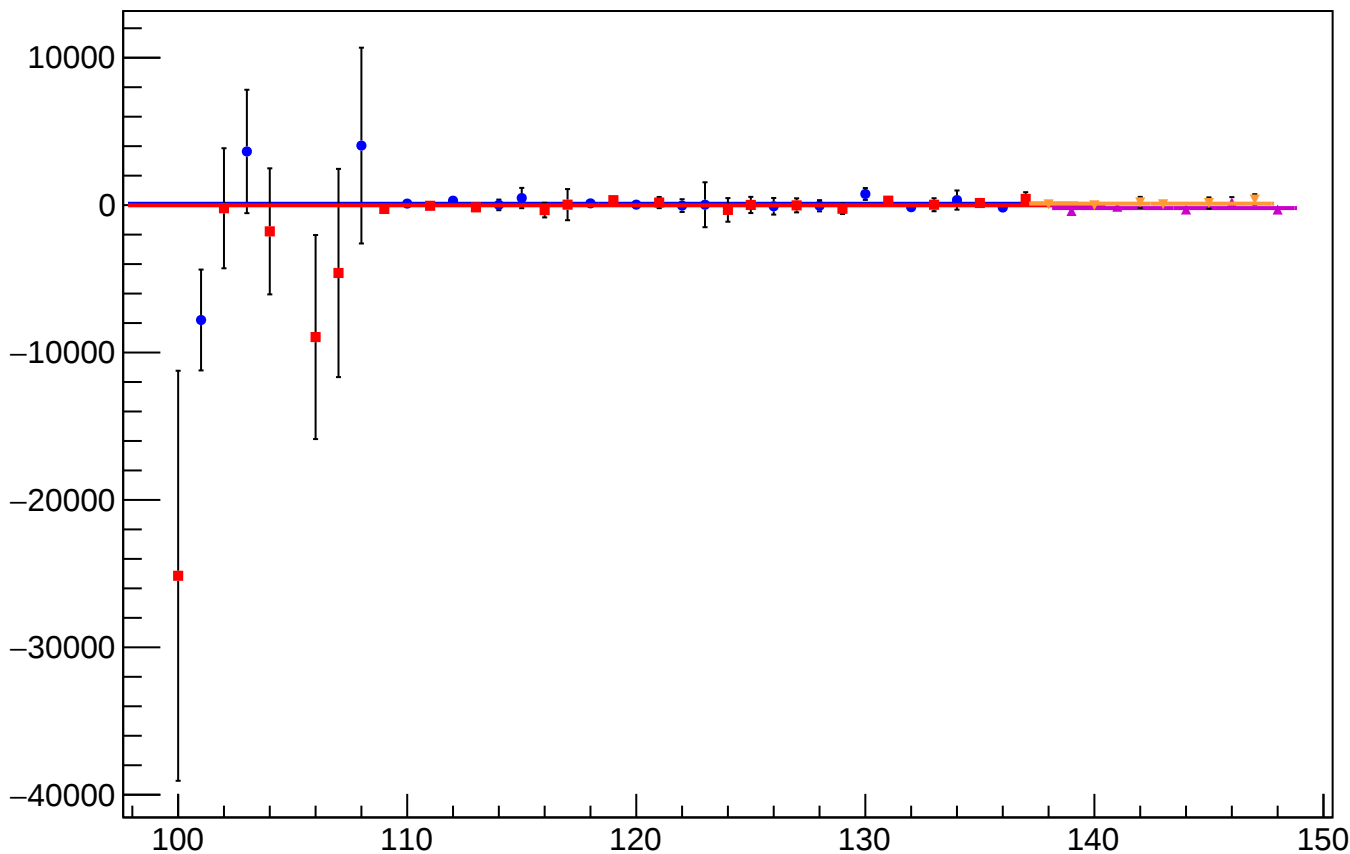
Right Out: 27.706+/-0.009 χ^2 /NDF: 3477080.4/19

Left In: 29.499+/-0.010 χ^2 /NDF:21790.6/4

28.770+/-0.007 χ^2 /NDF: 3075297.5/22

28.432+/-0.007 χ^2 /NDF: 3516410.0/24

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: 101.768+/-128.482 χ^2/NDF : 0.9/5

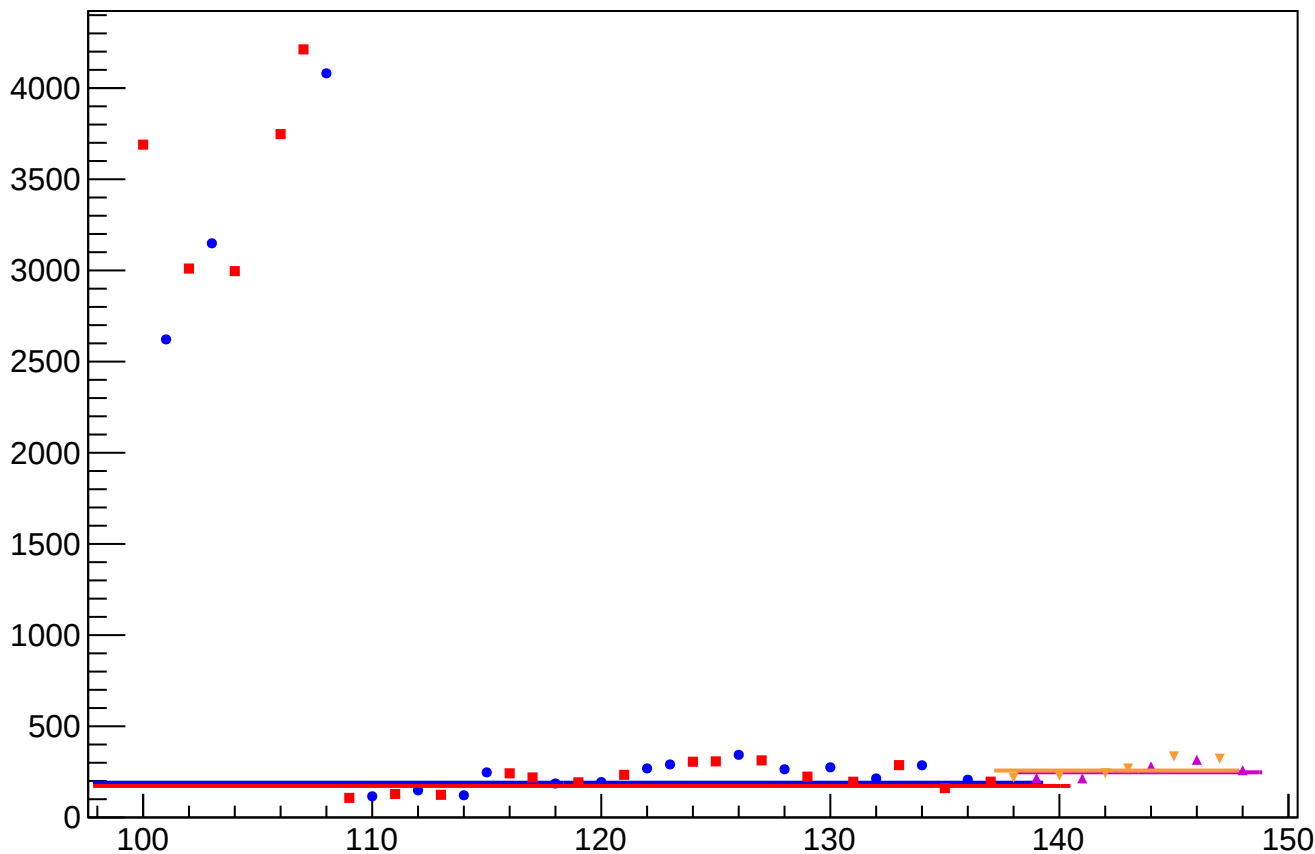
Right Out: -12.509+/-80.407 χ^2/NDF : 12.7/19

Left In: -200.662+/-126.440 χ^2/NDF : 2.1/4

95.662+/-72.241 χ^2/NDF : 13.5/22

-66.689+/-67.849 χ^2/NDF : 16.4/24

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.485 $\pm$ 0.062 χ^2 /NDF: 3583573.2/16

Left Out: 257.325 $\pm$ 0.091 χ^2 /NDF: 221145.1/5

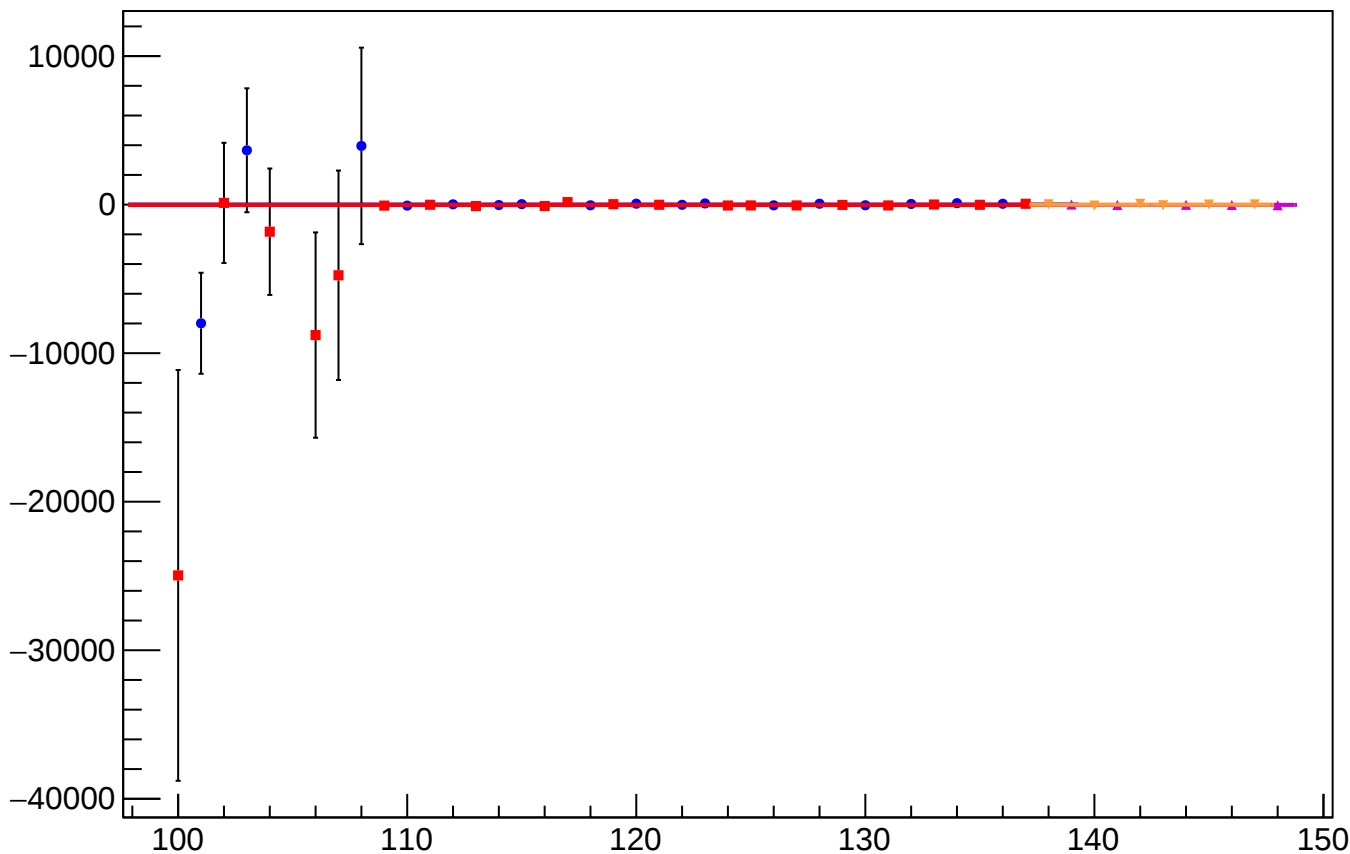
Right Out: 172.872 $\pm$ 0.057 χ^2 /NDF: 422275.2/19

Left In: 247.610 $\pm$ 0.089 χ^2 /NDF: 168244.2/4

211.617 $\pm$ 0.051 χ^2 /NDF: 4174871.6/22

194.393 $\pm$ 0.048 χ^2 /NDF: 4888089.0/24

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 9.600 $\pm$ 12.273 χ^2 /NDF: 23.2/16

Left Out: -6.367 $\pm$ 14.904 χ^2 /NDF: 6.5/5

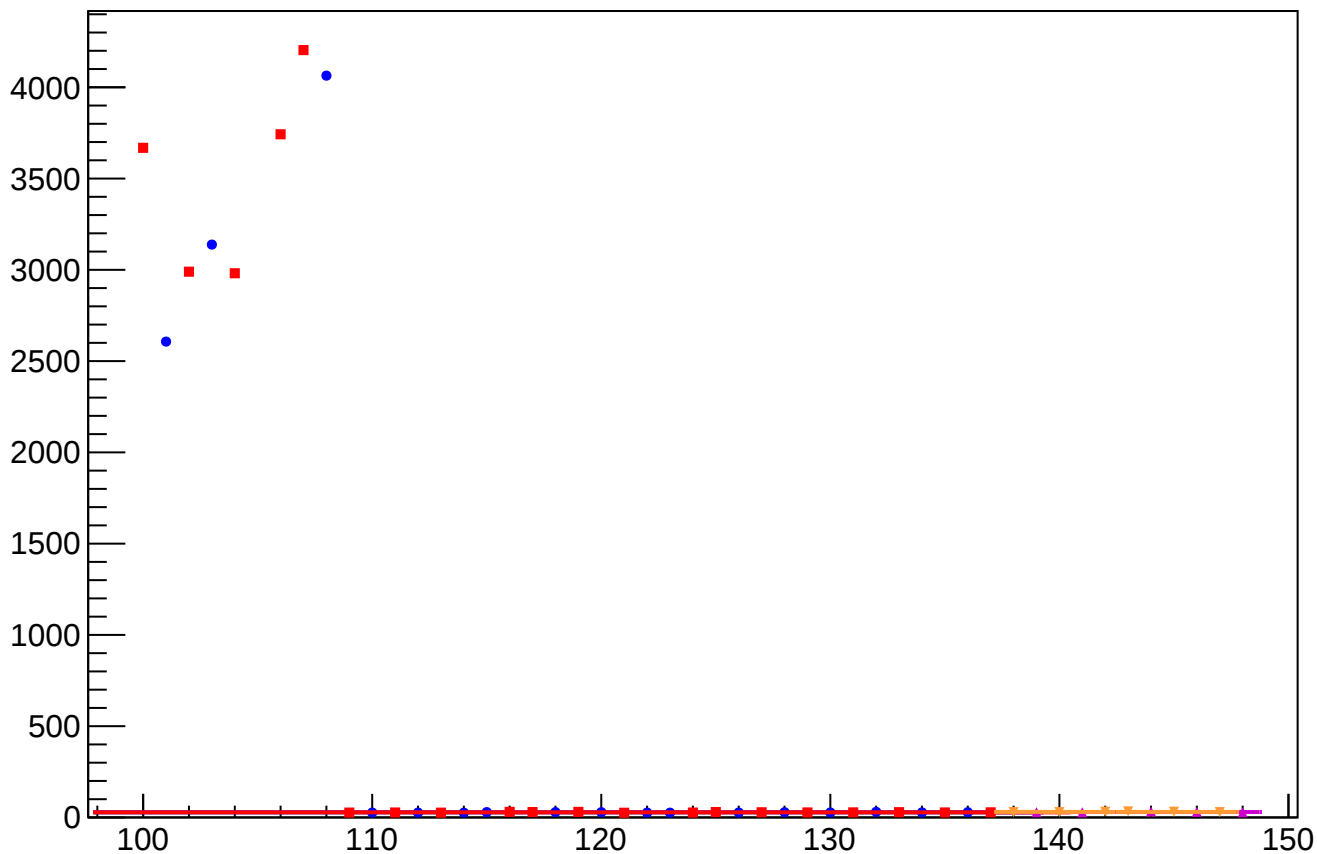
Right Out: -28.128 $\pm$ 12.282 χ^2 /NDF: 18.5/19

Left In: -18.083 $\pm$ 14.866 χ^2 /NDF: 1.1/4

3.148 $\pm$ 9.474 χ^2 /NDF: 30.4/22

-24.053 $\pm$ 9.468 χ^2 /NDF: 19.9/24

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: 30.351+/-0.011 χ^2 /NDF:19197.8/5

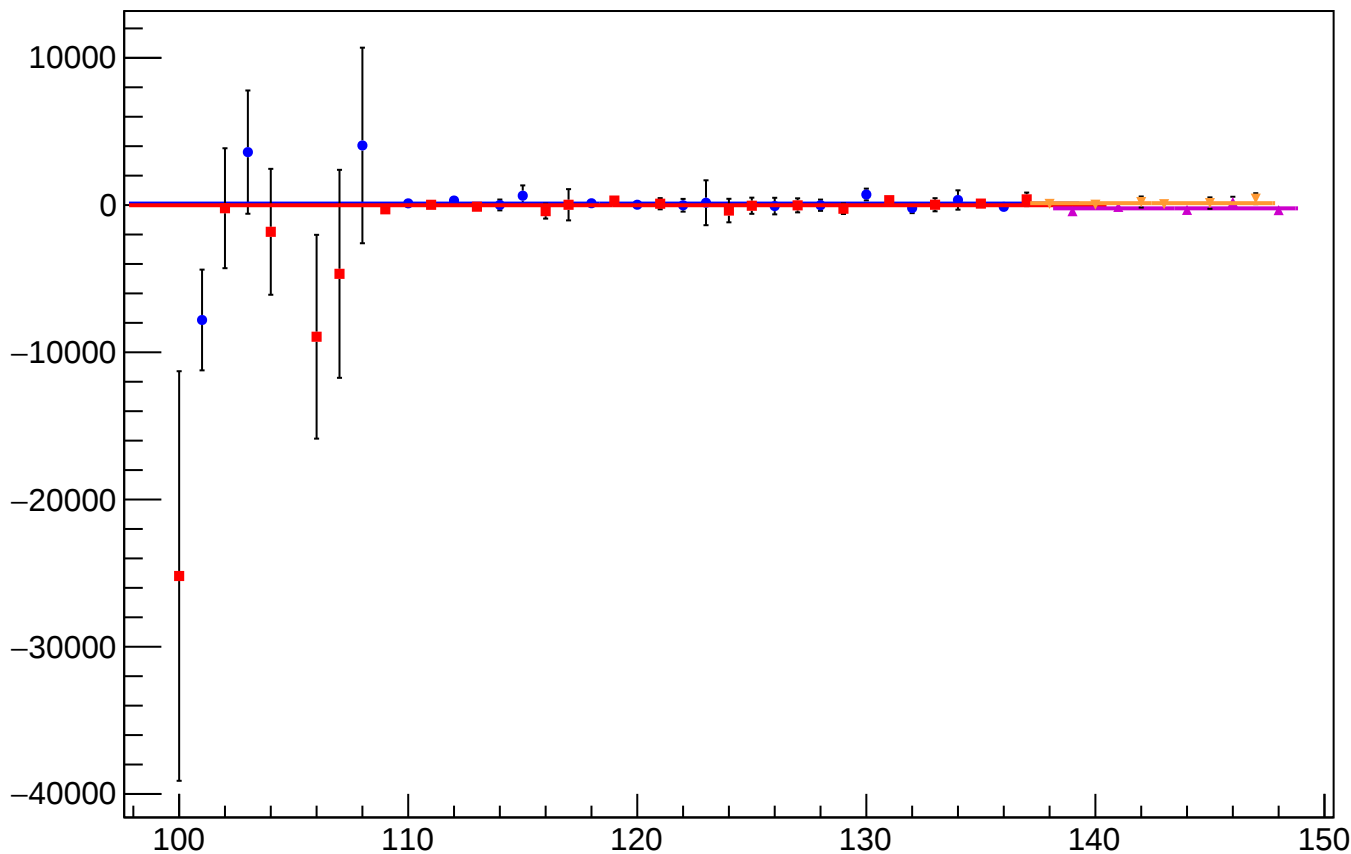
28.963+/-0.007 χ^2 /NDF: 3075271.5/22

Right Out: 27.929+/-0.009 χ^2 /NDF: 3479867.7/19

28.641+/-0.007 χ^2 /NDF: 3519559.8/24

Left In: 29.685+/-0.011 χ^2 /NDF:23112.8/4

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: 129.192 $\pm$ 130.215 χ^2 /NDF:1.0/5

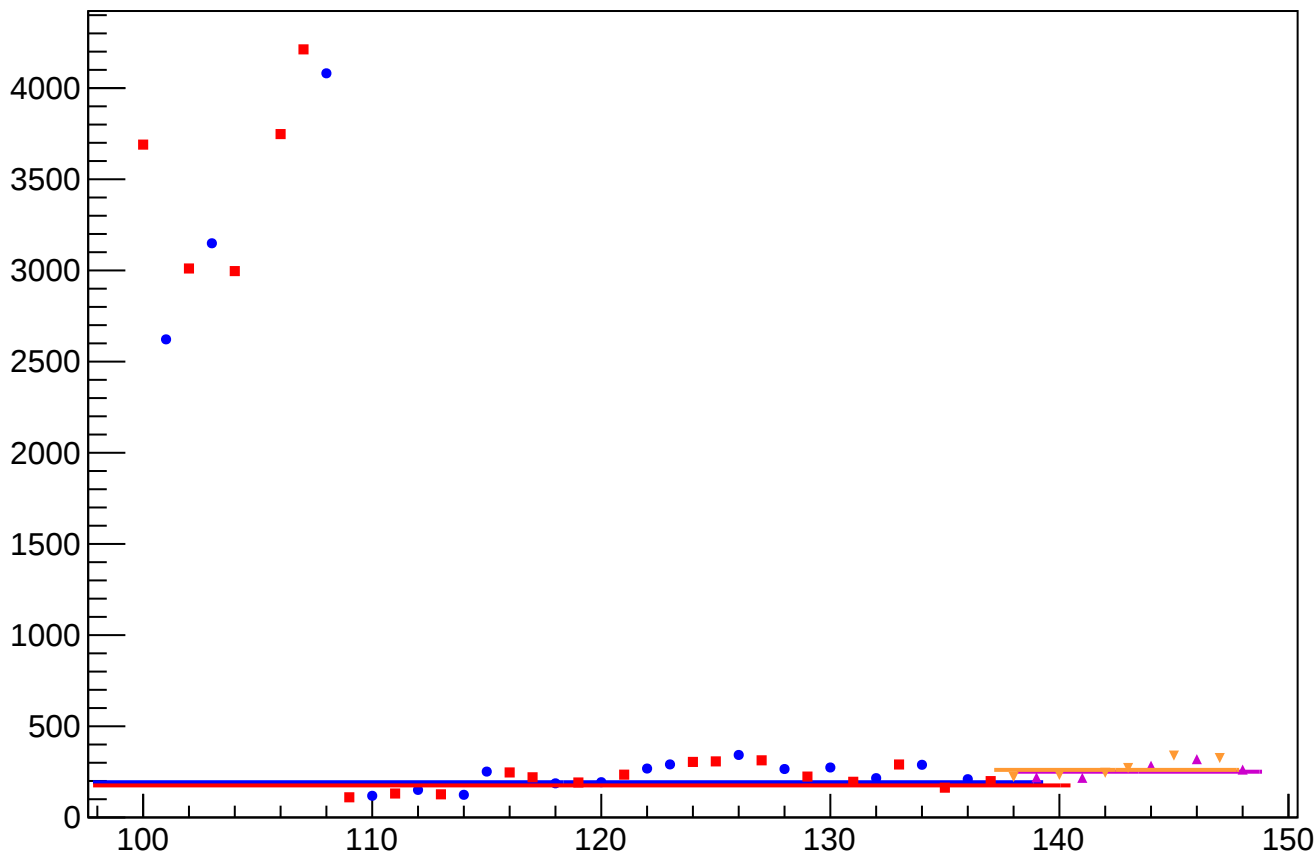
Right Out: -11.037 $\pm$ 81.486 χ^2 /NDF: 12.3/19

Left In: -222.158 $\pm$ 128.068 χ^2 /NDF:2.4/4

110.421 $\pm$ 73.133 χ^2 /NDF: 13.4/22

-71.877 $\pm$ 68.750 χ^2 /NDF: 16.6/24

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.190 $\pm$ 0.063 χ^2 /NDF: 3536123.5/16

Left Out: 260.900 $\pm$ 0.092 χ^2 /NDF:216234.9/5

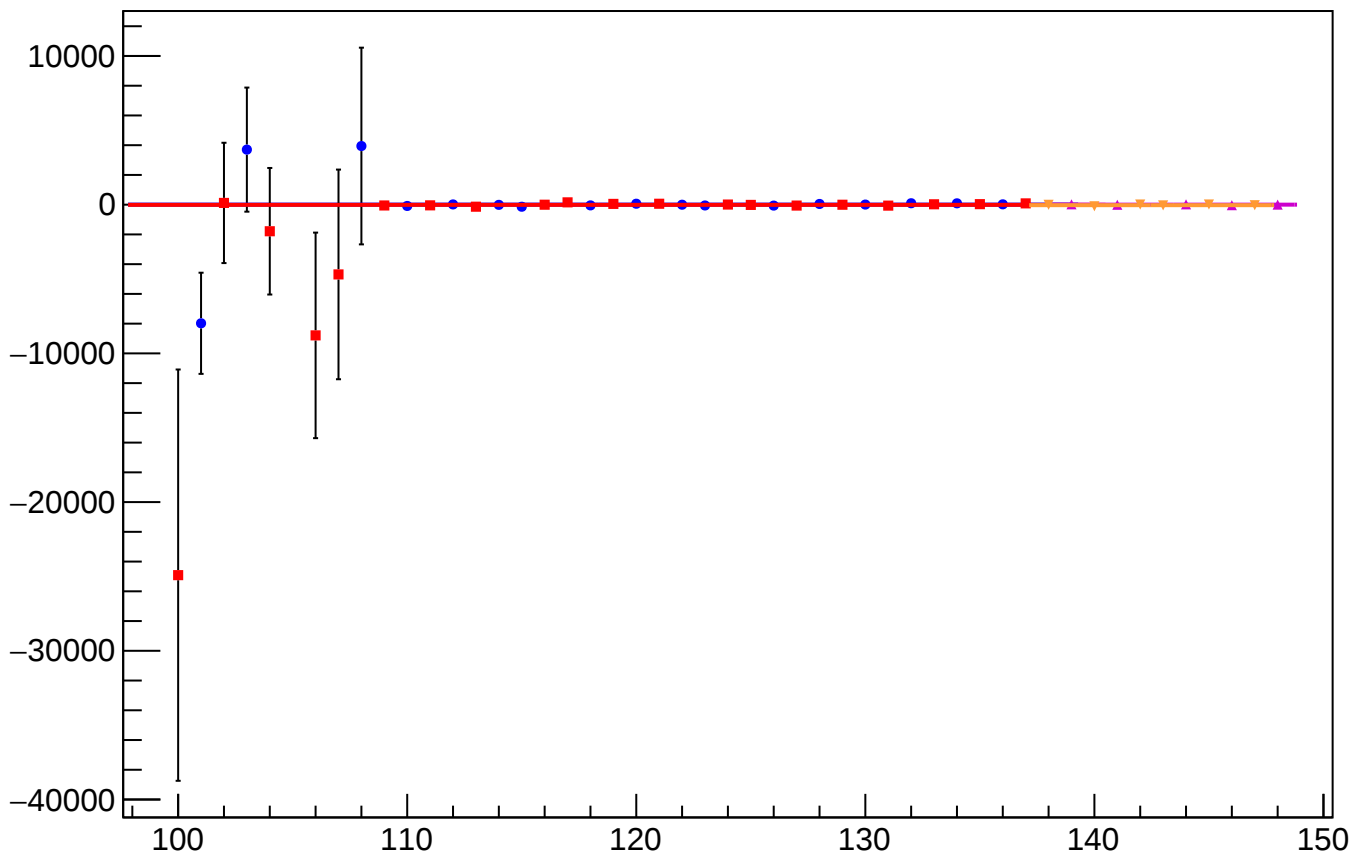
Right Out: 175.749 $\pm$ 0.058 χ^2 /NDF: 4168935.2/19

Left In: 250.871 $\pm$ 0.091 χ^2 /NDF:166573.1/4

214.548 $\pm$ 0.052 χ^2 /NDF: 4122555.2/22

197.398 $\pm$ 0.049 χ^2 /NDF: 4825340.4/24

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: -33.267+/-17.615 χ^2 /NDF:5.7/5

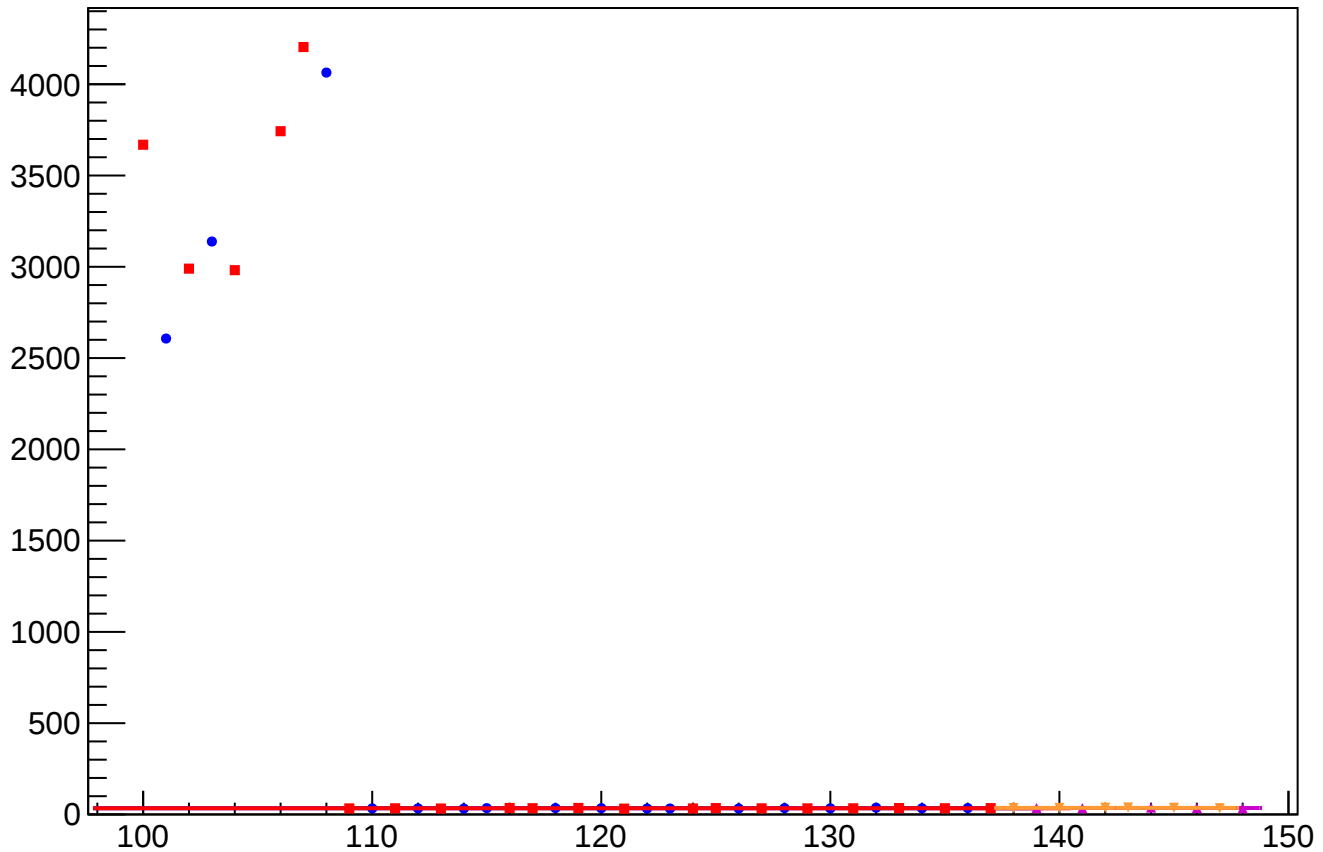
Right Out: -11.101+/-14.886 χ^2 /NDF: 22.7/19

Left In: 1.656+/-17.633 χ^2 /NDF:1.5/4

-11.207+/-11.392 χ^2 /NDF: 28.7/22

-5.793+/-11.375 χ^2 /NDF: 24.5/24

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.137 $\pm$ 0.011 χ^2 /NDF: 3006248.0/16

Left Out: 35.934 $\pm$ 0.012 χ^2 /NDF:10805.9/5

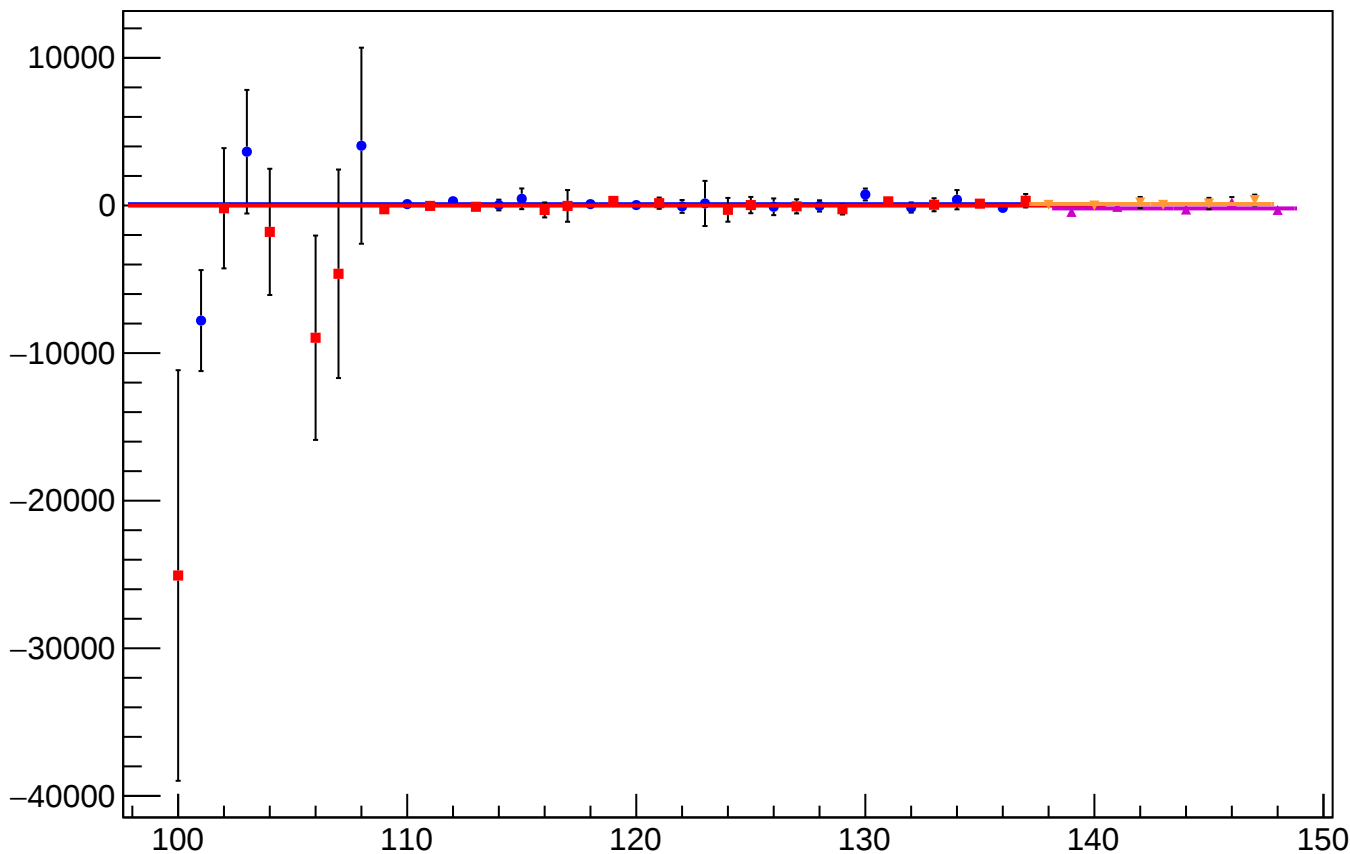
Right Out: 33.915 $\pm$ 0.011 χ^2 /NDF: 3451897.1/19

Left In: 35.267 $\pm$ 0.012 χ^2 /NDF:9660.1/4

34.889 $\pm$ 0.008 χ^2 /NDF: 3029165.1/22

34.478 $\pm$ 0.008 χ^2 /NDF: 3468420.3/24

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: 100.142+/-129.156 χ^2/NDF : 0.9/5

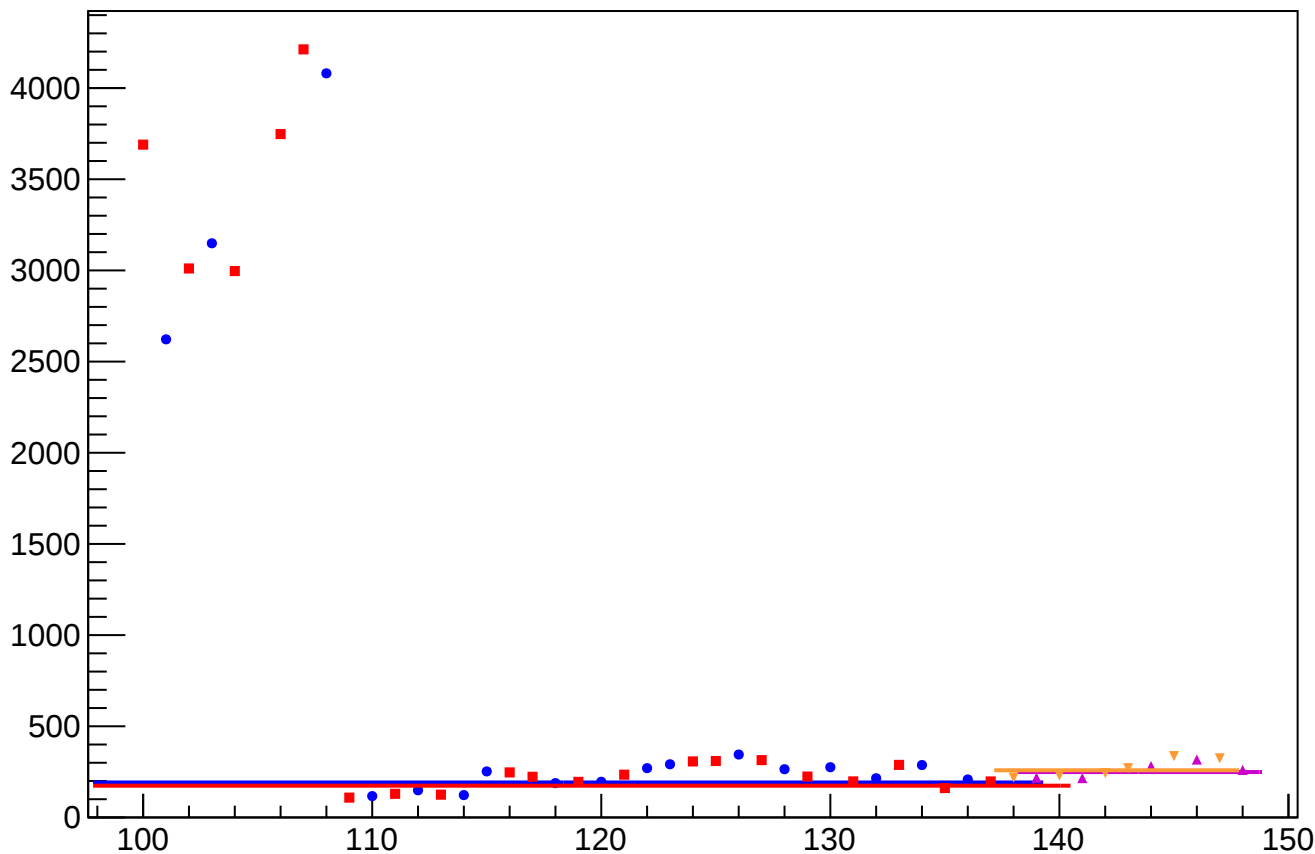
Right Out: -7.420+/-80.977 χ^2/NDF : 11.1/19

Left In: -199.528+/-127.154 χ^2/NDF : 2.5/4

90.508+/-72.694 χ^2/NDF : 13.2/22

-62.852+/-68.303 χ^2/NDF : 15.2/24

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 191.880 $\pm$ 0.062 χ^2 /NDF: 3573060.2/16

Left Out: 258.684 $\pm$ 0.091 χ^2 /NDF: 220940.3/5

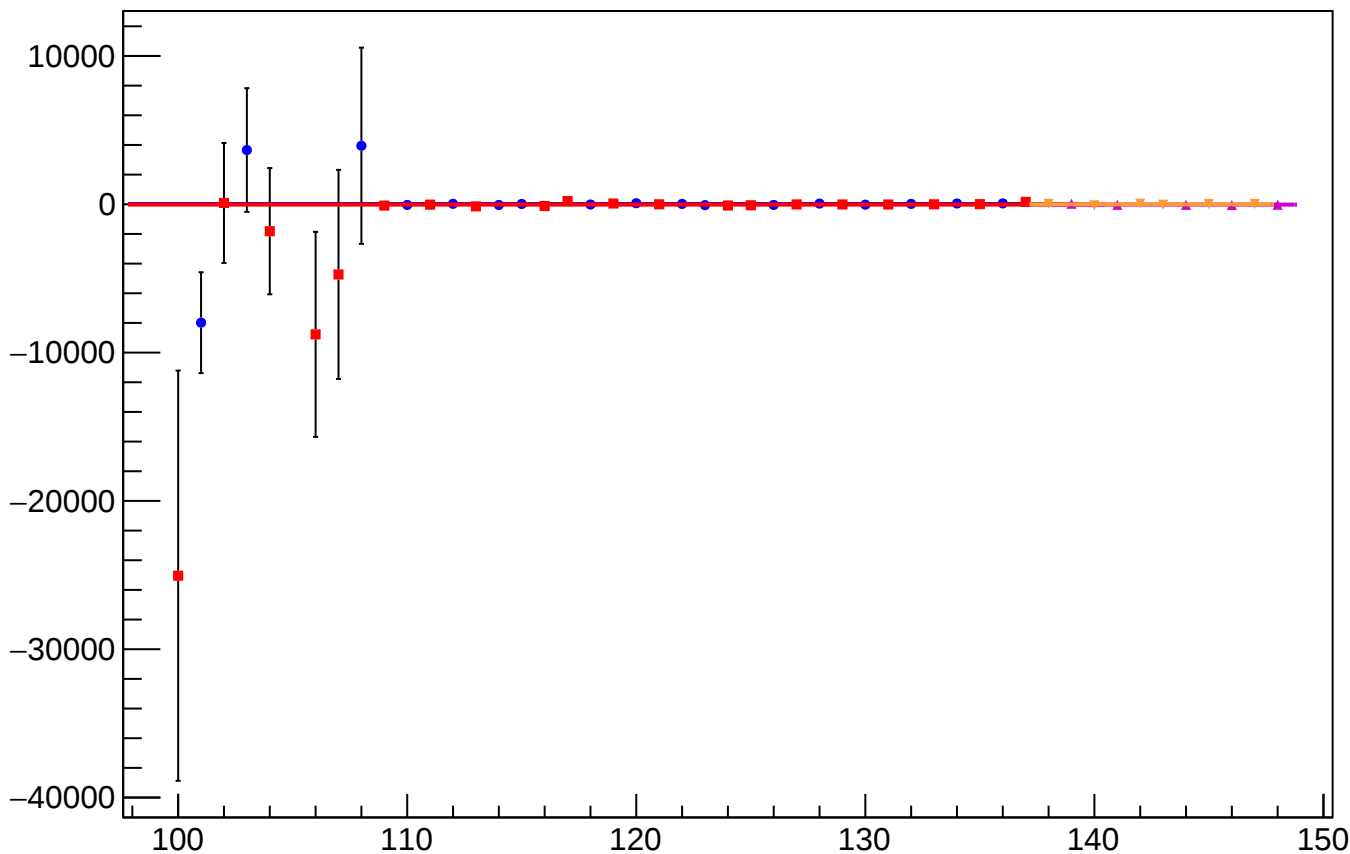
Right Out: 174.207 $\pm$ 0.057 χ^2 /NDF: 4215538.3/19

Left In: 249.038 $\pm$ 0.090 χ^2 /NDF: 167077.9/4

213.043 $\pm$ 0.051 χ^2 /NDF: 4159560.7/22

195.799 $\pm$ 0.048 χ^2 /NDF: 4875429.0/24

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: -4.919+/-16.207 χ^2/NDF : 5.6/5

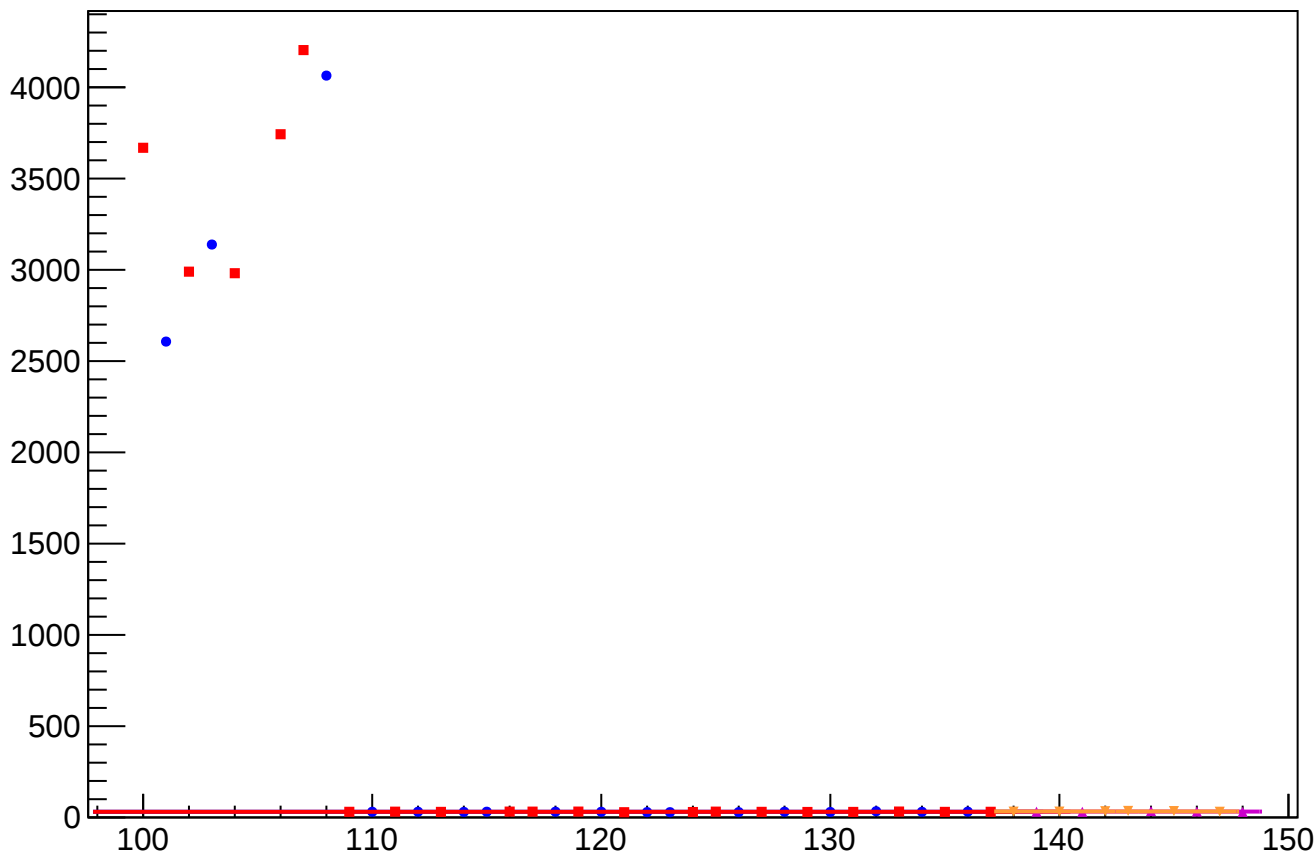
Right Out: -21.490+/-13.601 χ^2/NDF : 29.9/19

Left In: -23.138+/-16.124 χ^2/NDF : 3.1/4

6.241+/-10.426 χ^2/NDF : 21.6/22

-22.176+/-10.396 χ^2/NDF : 33.0/24

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.127+/-0.010 χ^2/NDF : 3014425.9/16

Left Out: 33.017+/-0.011 χ^2/NDF : 22744.6/5

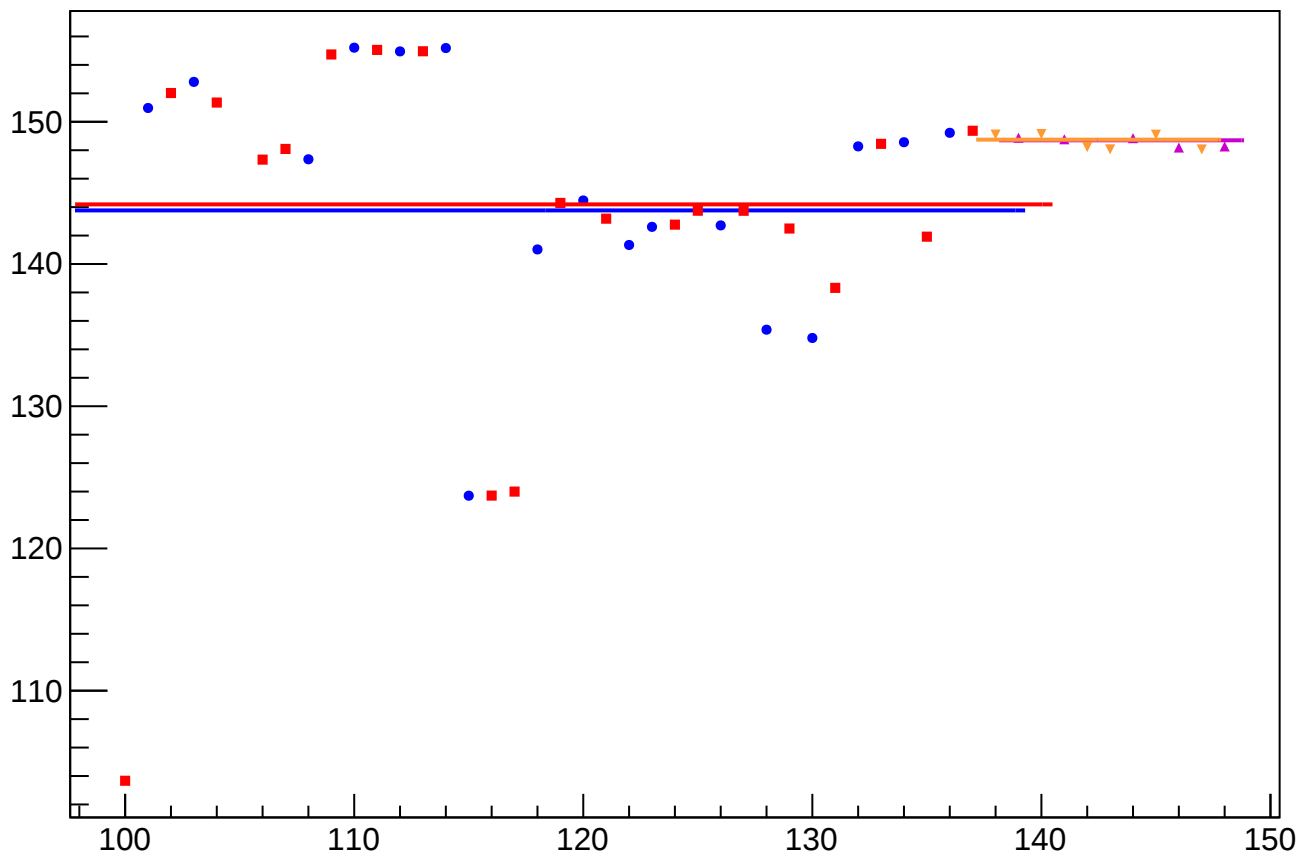
Right Out: 30.970+/-0.010 χ^2/NDF : 3459018.8/19

Left In: 32.221+/-0.011 χ^2/NDF : 18915.5/4

31.909+/-0.007 χ^2/NDF : 3053119.8/22

31.490+/-0.007 χ^2/NDF : 3484964.0/24

yield_bcm_an_ds_mean vs Slug



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

Left Out: 148.743 $\pm$ 0.000 χ^2 /NDF: 8102584.8/5

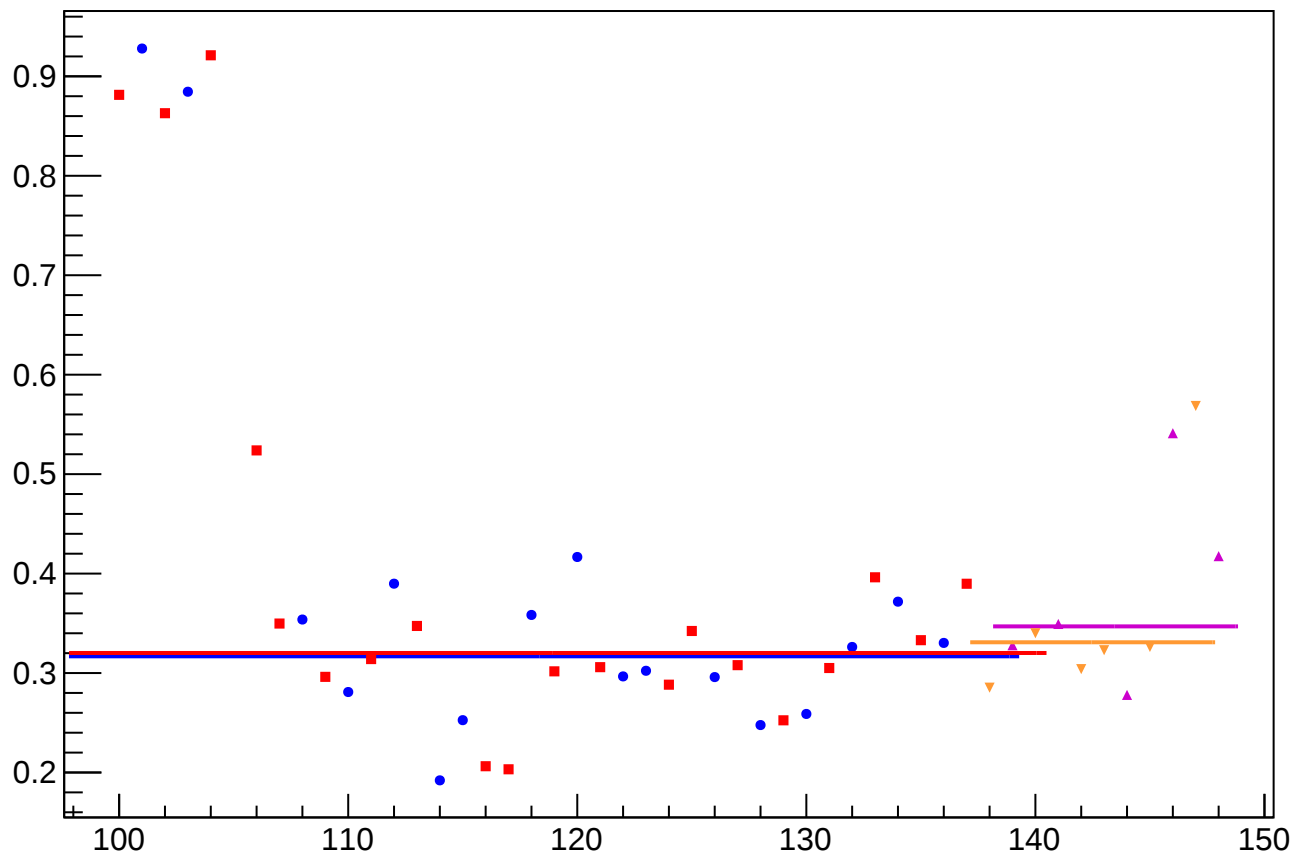
Right Out: 144.192 $\pm$ 0.000 χ^2 /NDF: 4524049993.1/19

Left In: 148.698 $\pm$ 0.000 χ^2 /NDF: 1970418.0/4

145.687 $\pm$ 0.000 χ^2 /NDF: 4071462184.2/22

145.753 $\pm$ 0.000 χ^2 /NDF: 4929851308.7/24

yield_bcm_an_ds_rms vs Slug



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

Left Out: 0.331 ± 0.000 χ^2/NDF : 302100.3/5

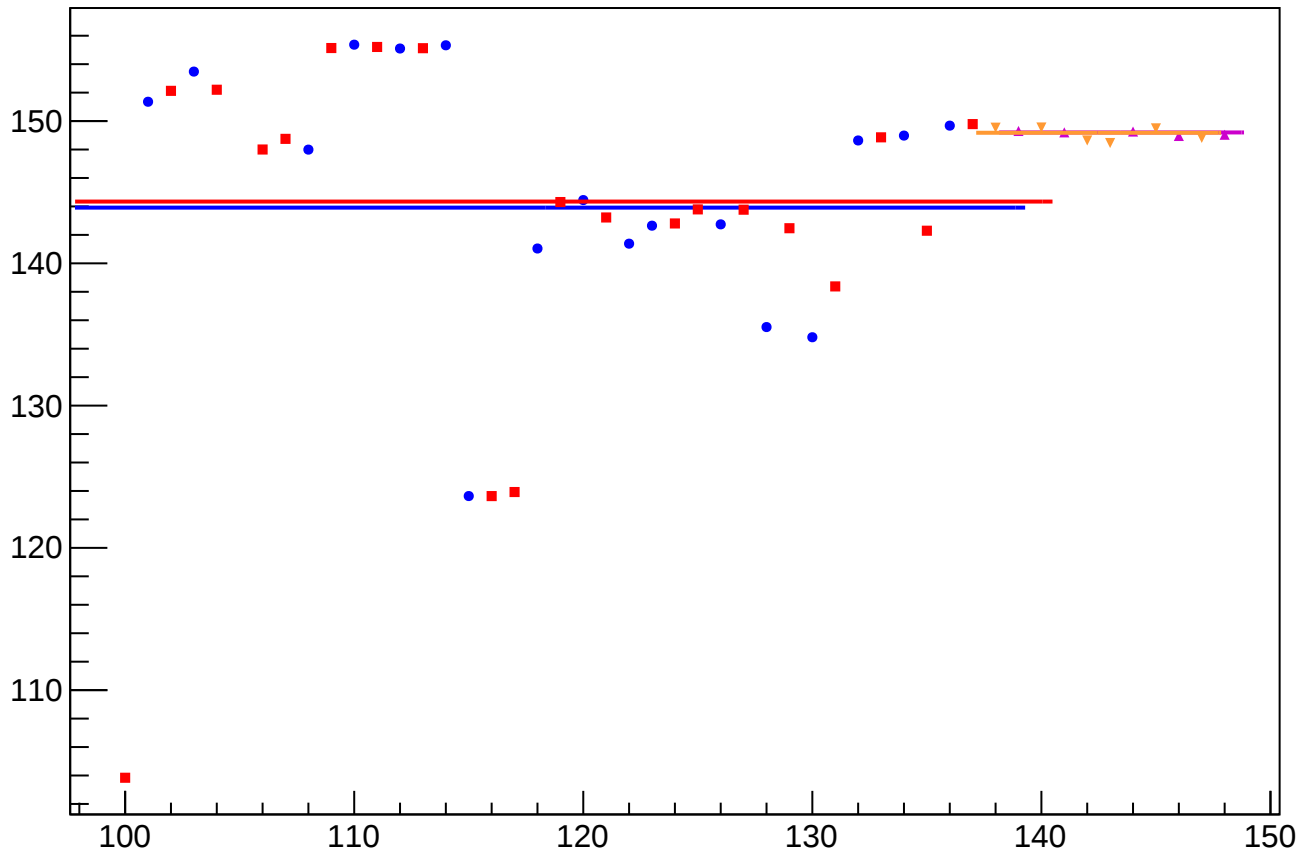
Right Out: 0.320 ± 0.000 χ^2/NDF : 1240600.2/19

Left In: 0.347 ± 0.000 χ^2/NDF : 355130.8/4

0.322 ± 0.000 χ^2/NDF : 1589257.2/22

0.329 ± 0.000 χ^2/NDF : 1624194.1/24

yield_bcm_an_ds3_mean vs Slug



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

Left Out: 149.178 ± 0.000 χ^2/NDF : 7328333.3/5

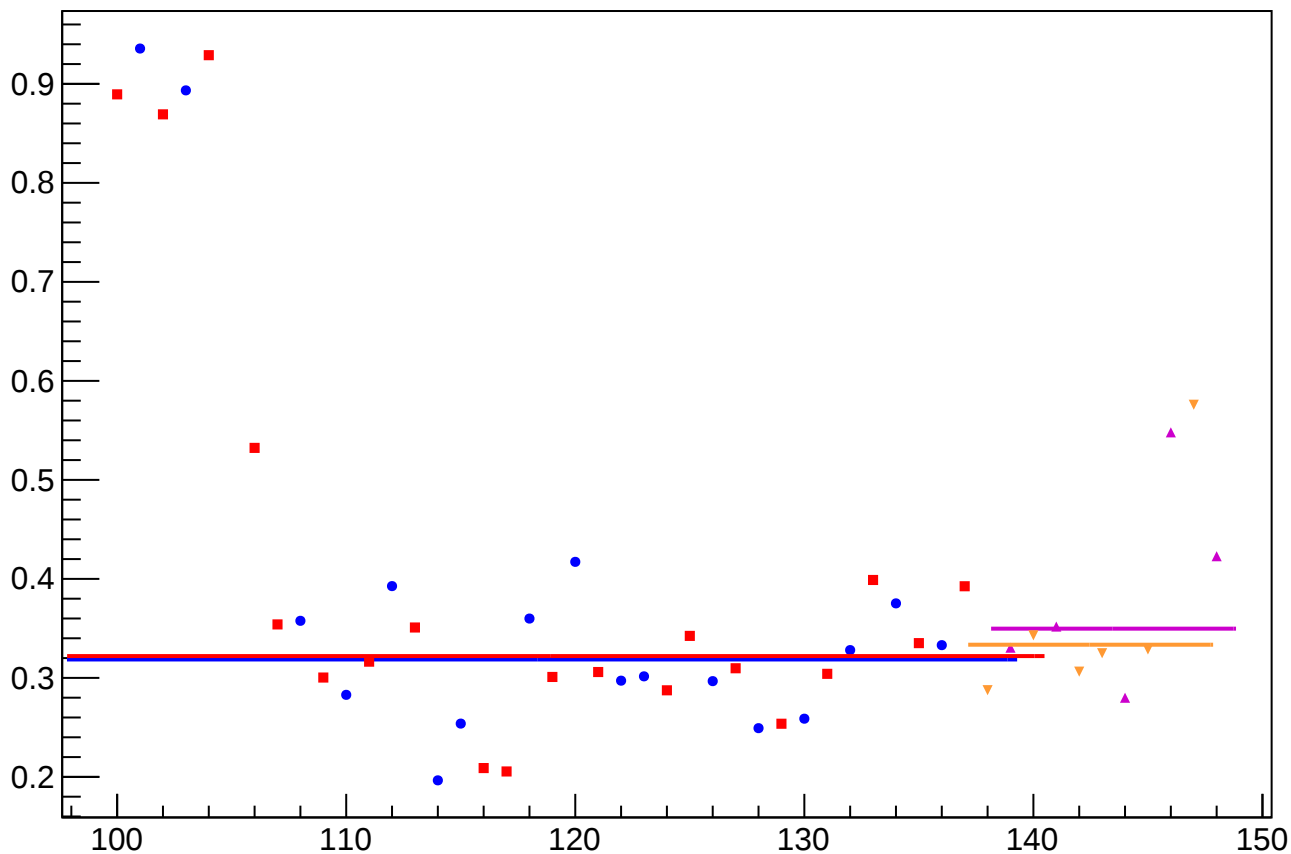
Right Out: 144.342 ± 0.000 χ^2/NDF : 4551365931.0/19

Left In: 149.201 ± 0.000 χ^2/NDF : 377658.8/4

145.940 ± 0.000 χ^2/NDF : 4177930458.6/22

146.020 ± 0.000 χ^2/NDF : 5014210025.4/24

yield_bcm_an_ds3_rms vs Slug



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

Left Out: 0.334+/-0.000 χ^2/NDF : 305829.6/5

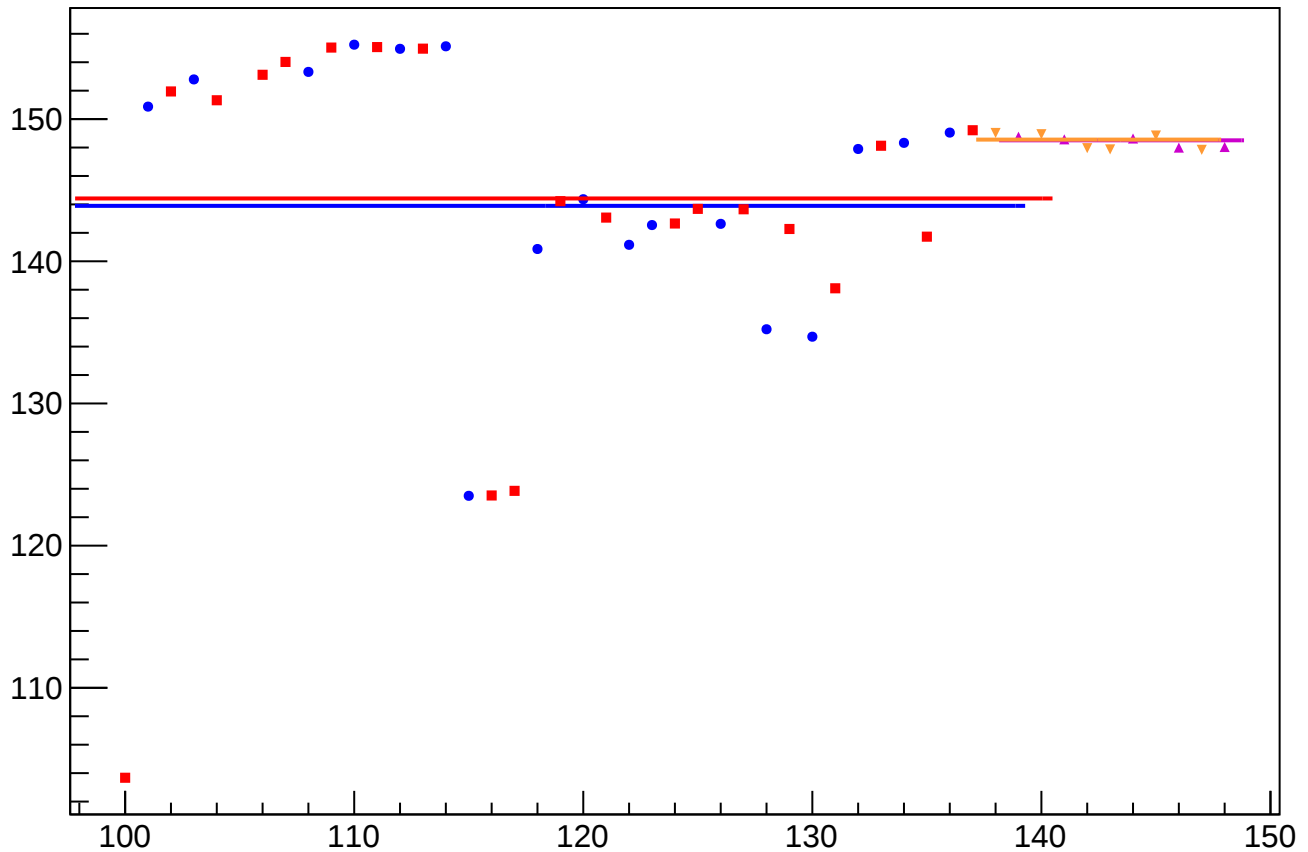
Right Out: 0.322+/-0.000 χ^2/NDF : 1243109.0/19

Left In: 0.350+/-0.000 χ^2/NDF : 361581.7/4

0.324+/-0.000 χ^2/NDF : 1595986.1/22

0.332+/-0.000 χ^2/NDF : 1634761.3/24

yield_bcm_an_us_mean vs Slug



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

Left Out: 148.558 ± 0.000 χ^2/NDF : 9045302.8/5

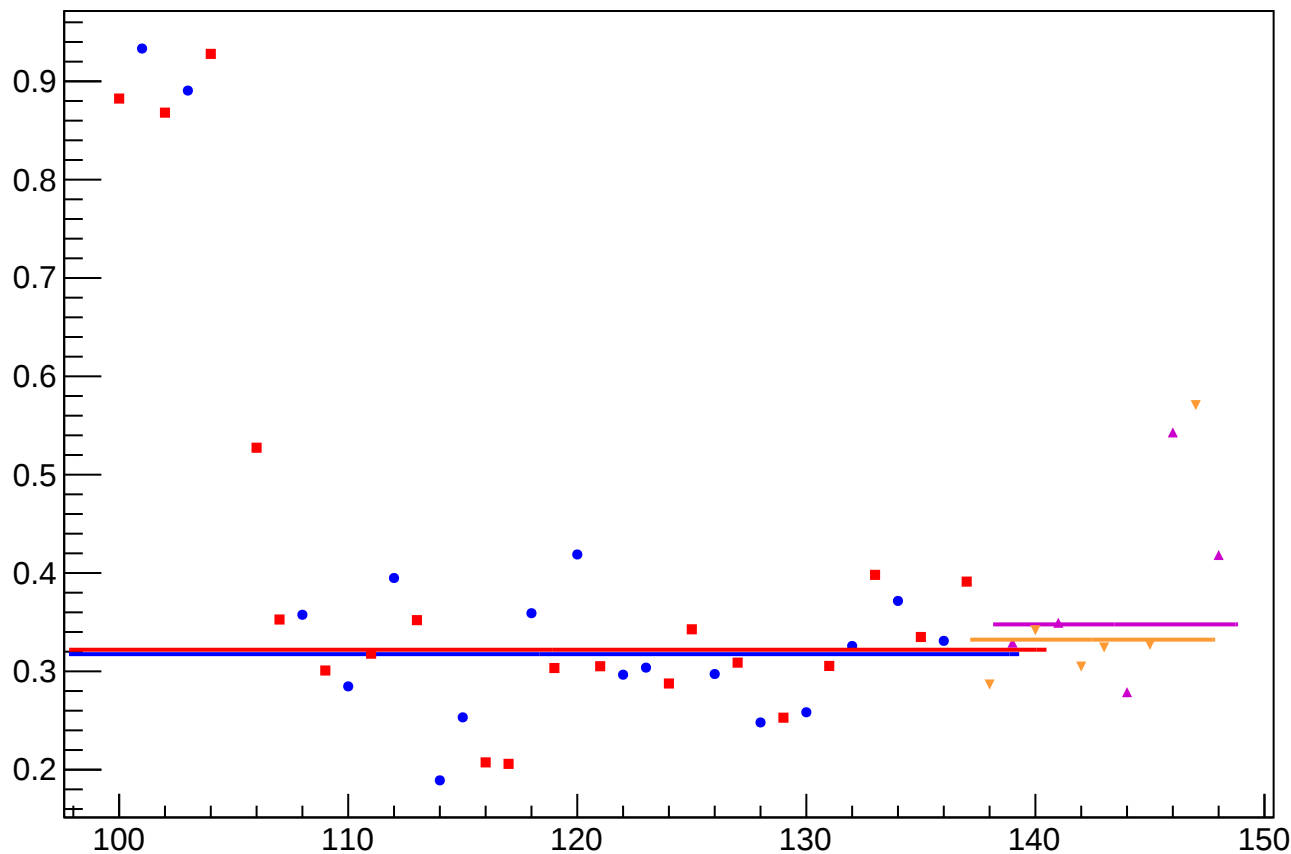
145.693 ± 0.000 χ^2/NDF : 4221533287.8/22

Right Out: 144.419 ± 0.000 χ^2/NDF : 4820290476.6/19

145.842 ± 0.000 χ^2/NDF : 5152755629.7/24

Left In: 148.508 ± 0.000 χ^2/NDF : 2232623.0/4

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1293179.2/16

Left Out: 0.332 ± 0.000 χ^2/NDF : 301974.0/5

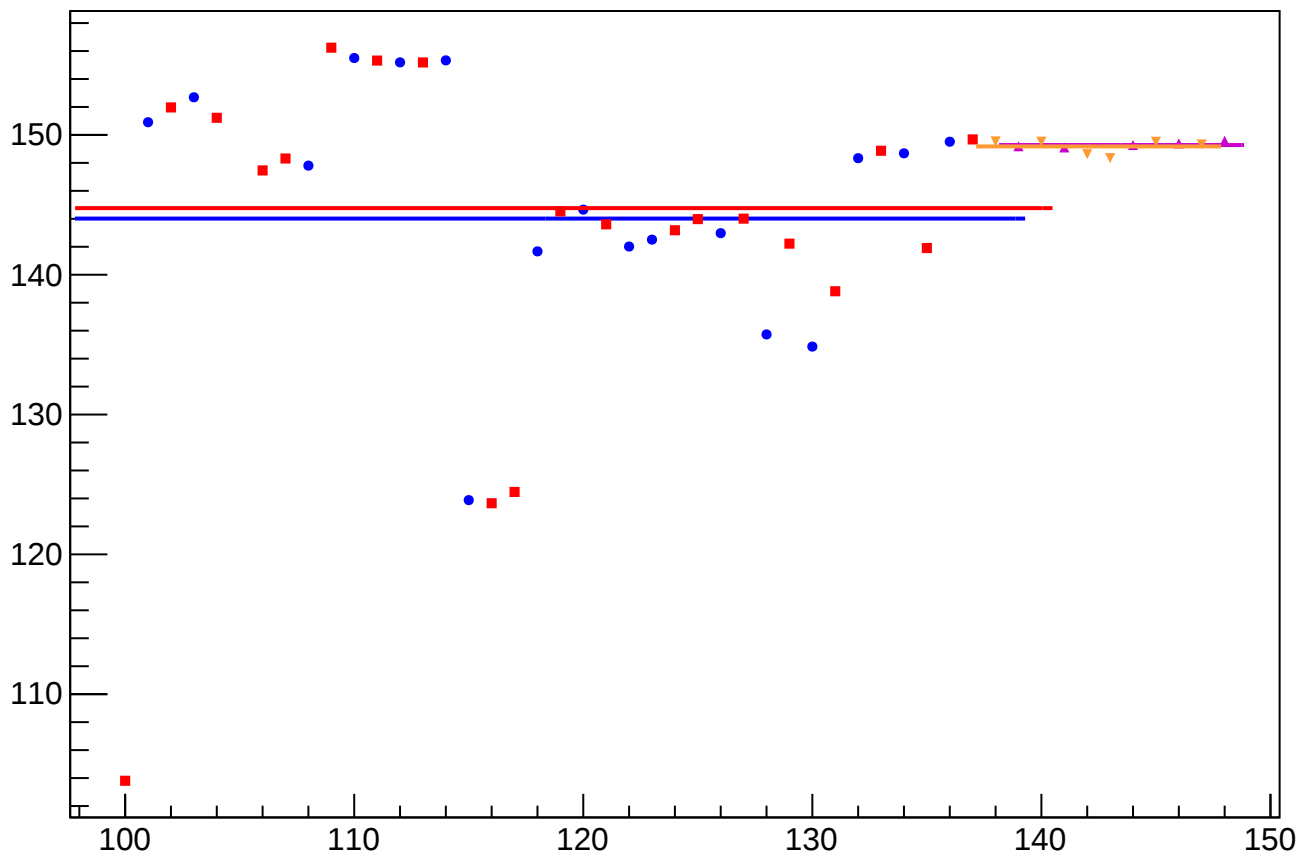
Right Out: 0.322 ± 0.000 χ^2/NDF : 1243703.4/19

Left In: 0.348 ± 0.000 χ^2/NDF : 354902.0/4

0.323 ± 0.000 χ^2/NDF : 1604434.1/22

0.331 ± 0.000 χ^2/NDF : 1624828.9/24

yield_bcm_dg_us_mean vs Slug



Right In: 144.018 ± 0.000 χ^2/NDF : 3238525527.6/16

Left Out: 149.177 ± 0.000 χ^2/NDF : 7296926.0/5

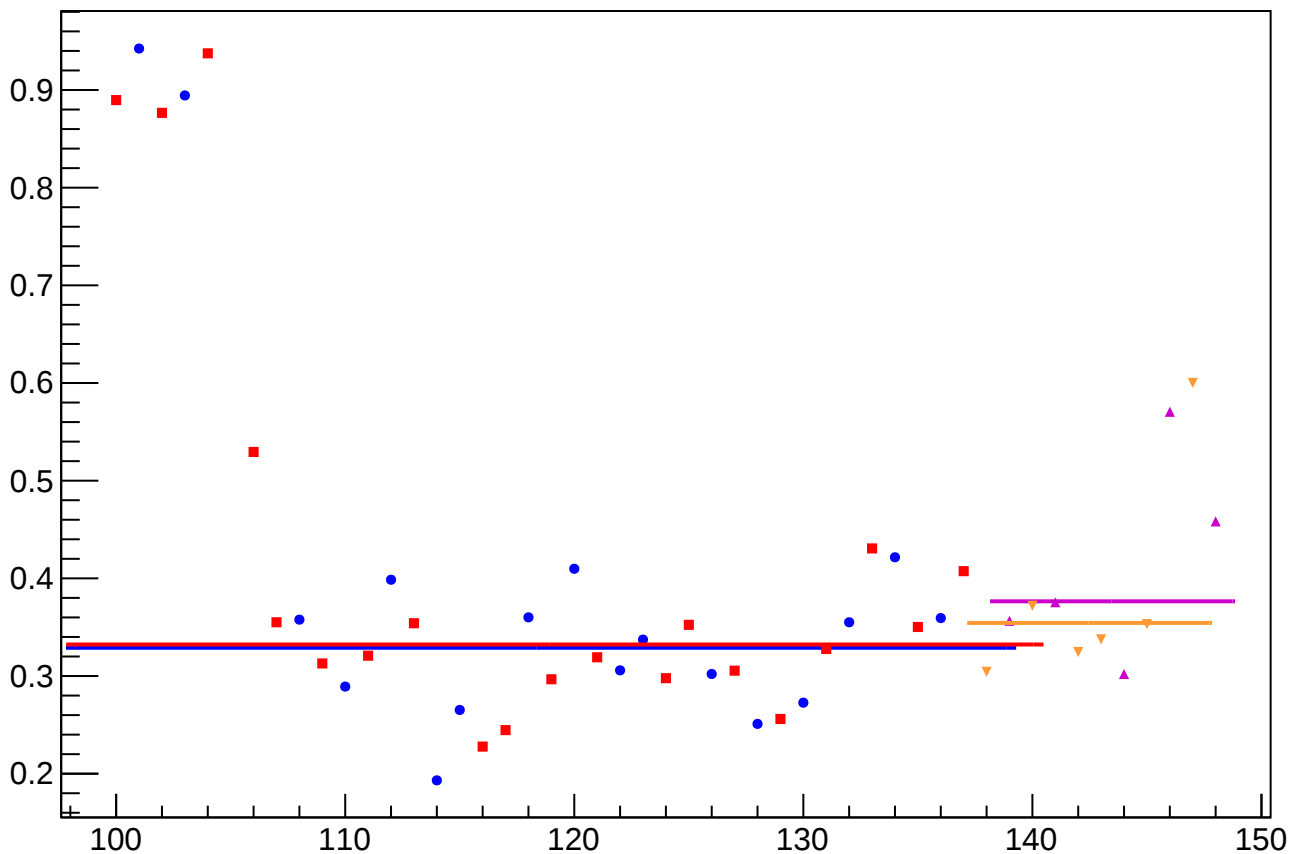
Right Out: 144.764 ± 0.000 χ^2/NDF : 4098462011.9/19

Left In: 149.276 ± 0.000 χ^2/NDF : 563122.2/4

145.925 ± 0.000 χ^2/NDF : 3751570567.1/22

146.235 ± 0.000 χ^2/NDF : 4452994791.5/24

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.354 ± 0.000 χ^2/NDF : 296400.4/5

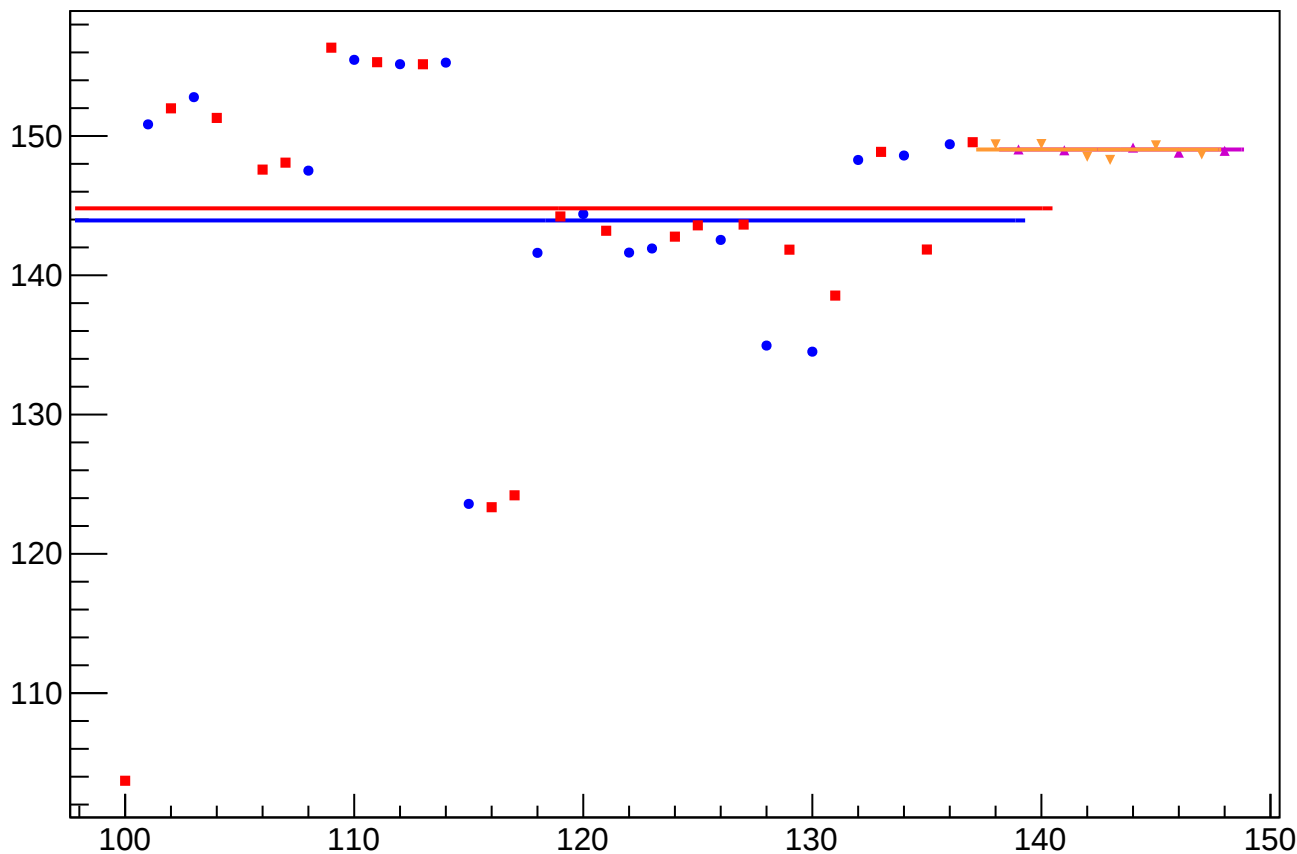
Right Out: 0.332 ± 0.000 χ^2/NDF : 1191637.2/19

Left In: 0.376 ± 0.000 χ^2/NDF : 335166.9/4

0.338 ± 0.000 χ^2/NDF : 1597062.5/22

0.347 ± 0.000 χ^2/NDF : 1594716.4/24

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 $\pm$ 0.000 χ^2 /NDF: 3379203532.9/16

Left Out: 149.031 $\pm$ 0.000 χ^2 /NDF: 6637180.1/5

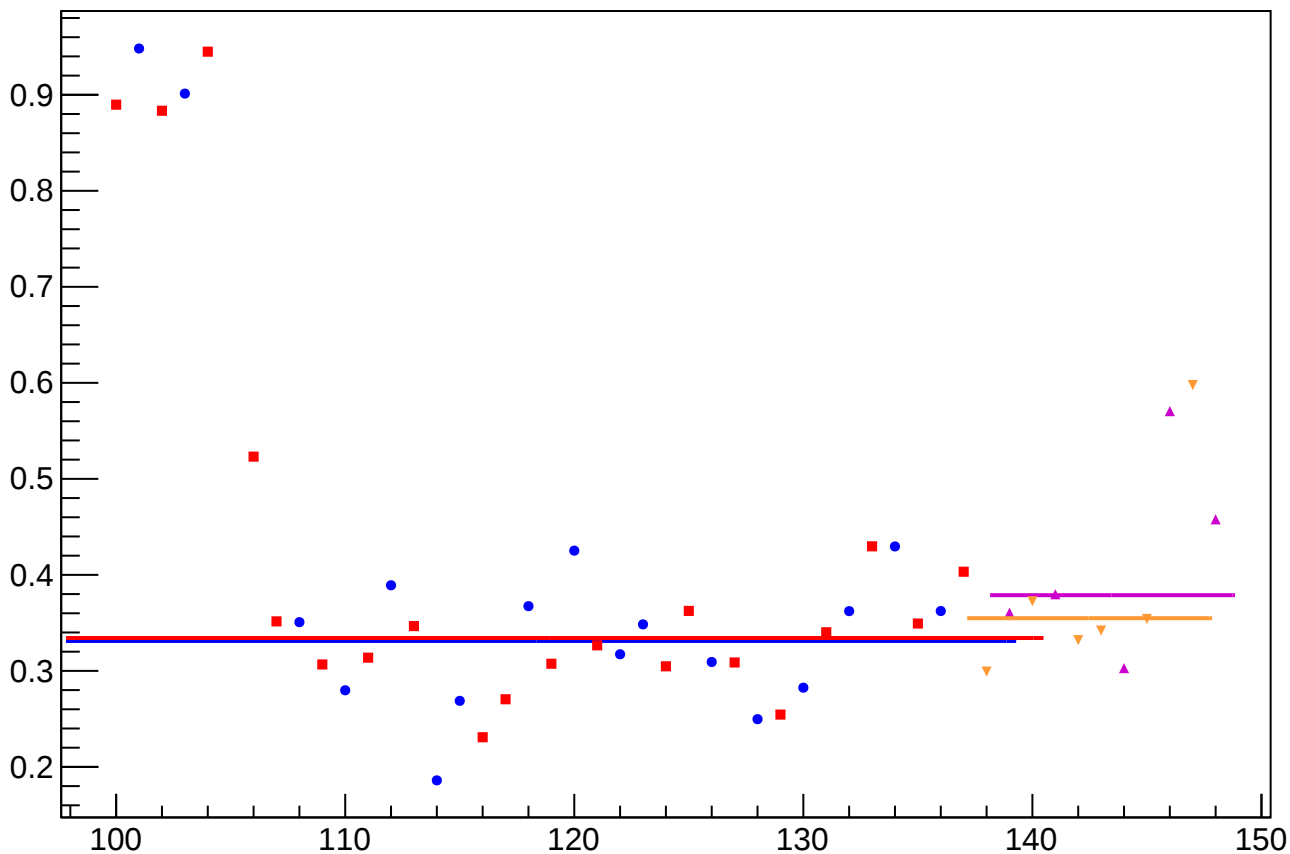
Right Out: 144.806 $\pm$ 0.000 χ^2 /NDF: 4139087143.3/19

Left In: 149.031 $\pm$ 0.000 χ^2 /NDF: 342091.4/4

145.832 $\pm$ 0.000 χ^2 /NDF: 3873420881.0/22

146.181 $\pm$ 0.000 χ^2 /NDF: 4445071091.8/24

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331 ± 0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.355 ± 0.000 χ^2/NDF : 297658.9/5

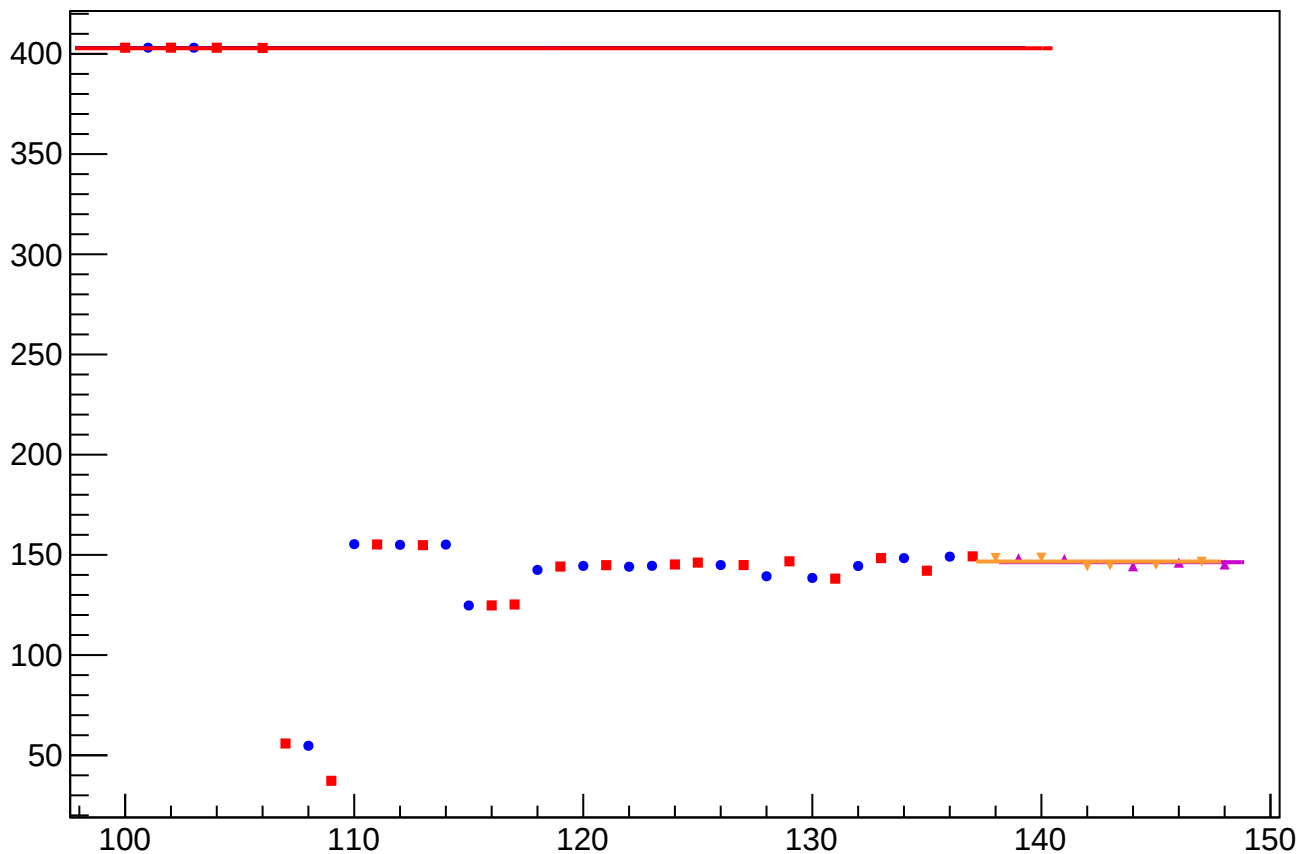
Right Out: 0.334 ± 0.000 χ^2/NDF : 1176170.4/19

Left In: 0.379 ± 0.000 χ^2/NDF : 329068.9/4

0.340 ± 0.000 χ^2/NDF : 1614509.3/22

0.349 ± 0.000 χ^2/NDF : 1573340.0/24

yield_cav4bQ_mean vs Slug



Right In: 402.957 $\pm$ 0.000 χ^2 /NDF: 1096710296821.6/16

Left Out: 146.682 $\pm$ 0.000 χ^2 /NDF: 21552214.3/5

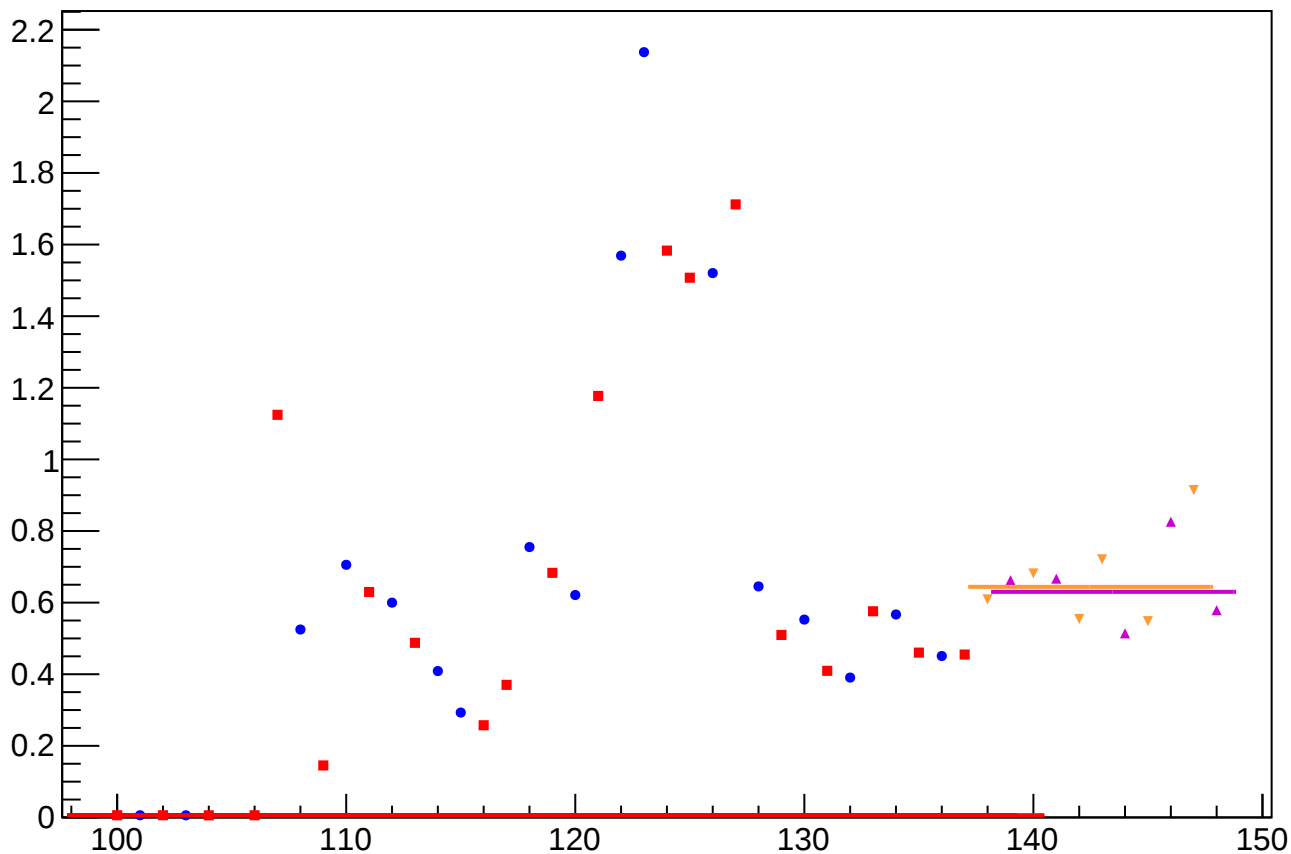
Right Out: 402.797 $\pm$ 0.000 χ^2 /NDF: 3122752044607.2/19

Left In: 146.351 $\pm$ 0.000 χ^2 /NDF: 17548916.6/4

402.903 $\pm$ 0.000 χ^2 /NDF: 1526782899418.8/22

402.749 $\pm$ 0.000 χ^2 /NDF: 3555717153855.7/24

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.644+/-0.000 χ^2/NDF :144717.4/5

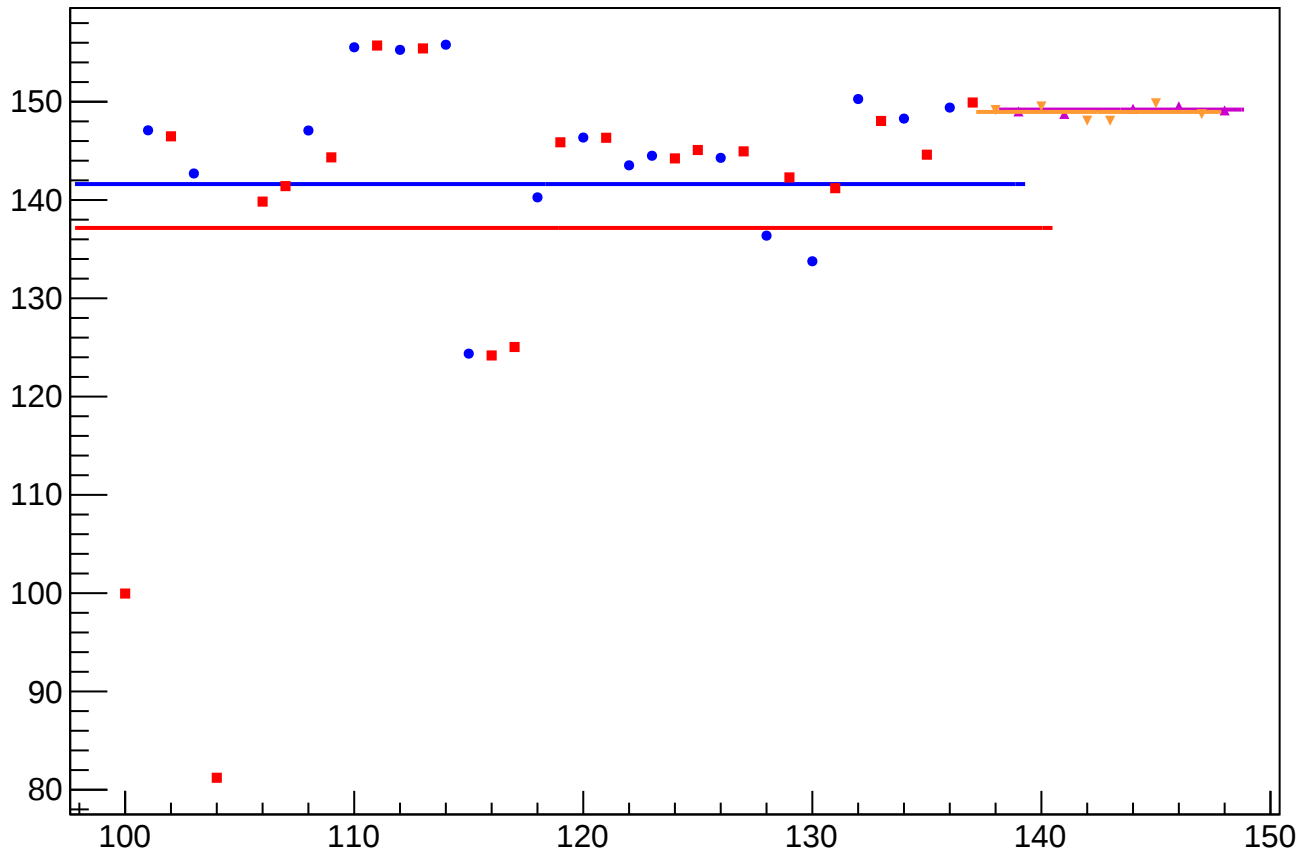
Right Out: 0.006+/-0.000 χ^2/NDF : 9277290.2/19

Left In: 0.630+/-0.000 χ^2/NDF :119698.6/4

0.006+/-0.000 χ^2/NDF : 14632082.9/22

0.006+/-0.000 χ^2/NDF : 14519233.1/24

yield_cav4cQ_mean vs Slug



Right In: 141.622+/-0.000 χ^2/NDF : 982037737.7/16

Left Out: 148.965+/-0.000 χ^2/NDF : 6570430.0/5

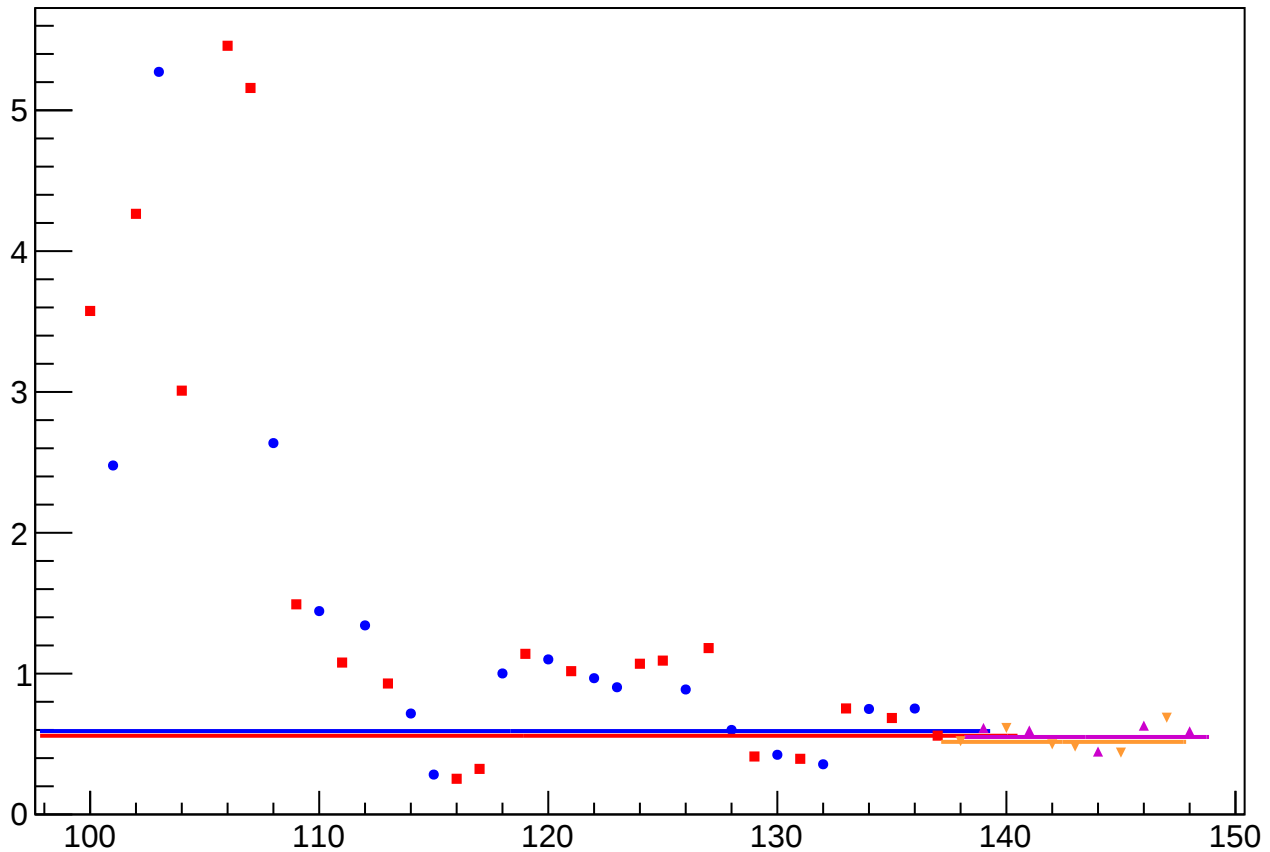
Right Out: 137.160+/-0.000 χ^2/NDF : 1365742338.8/19

Left In: 149.202+/-0.000 χ^2/NDF : 587511.5/4

145.590+/-0.000 χ^2/NDF : 1283471669.4/22

142.976+/-0.000 χ^2/NDF : 2133421715.2/24

yield_cav4cQ_rms vs Slug



Right In: 0.592 ± 0.000 χ^2/NDF : 3521577.2/16

Left Out: 0.515 ± 0.000 χ^2/NDF : 162241.1/5

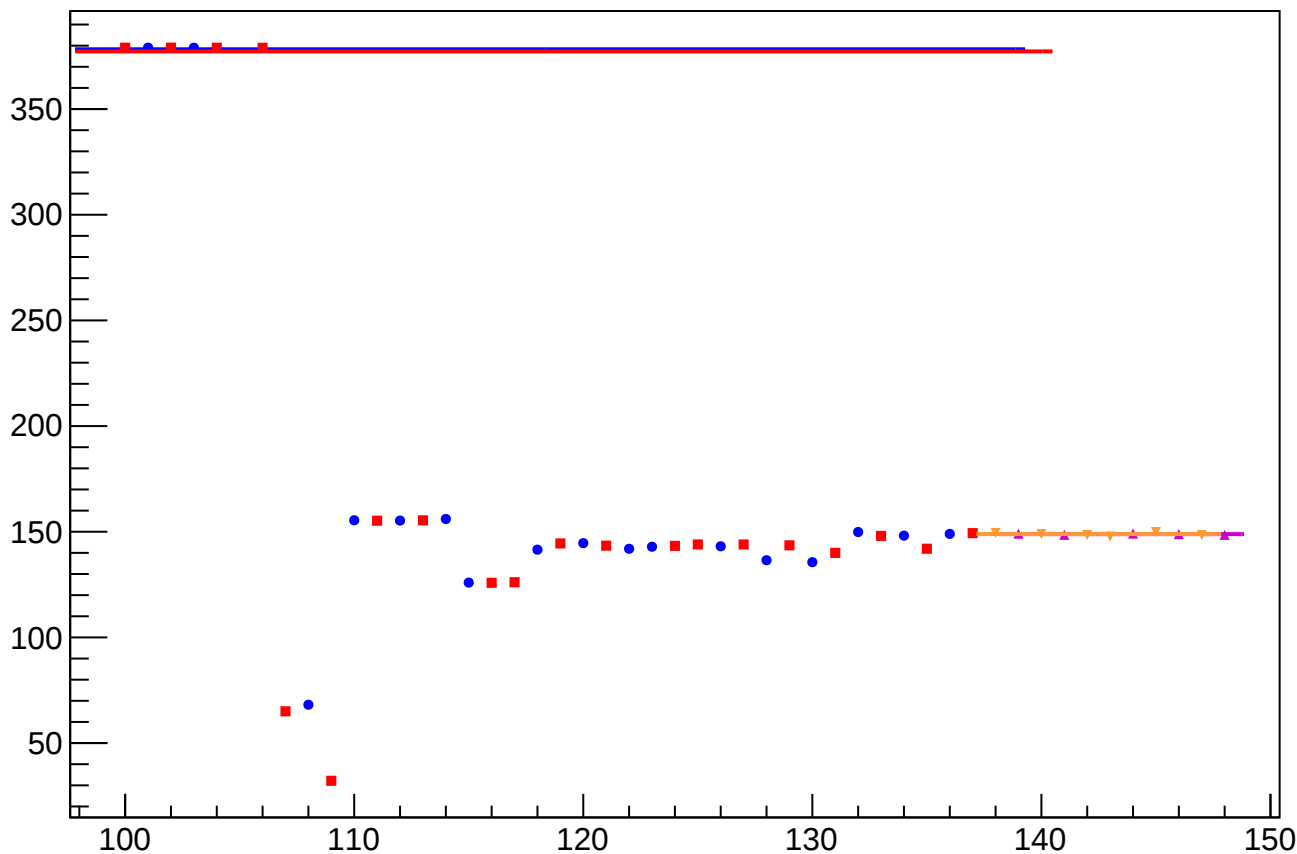
Right Out: 0.559 ± 0.000 χ^2/NDF : 4719868.1/19

Left In: 0.550 ± 0.000 χ^2/NDF : 125920.6/4

0.551 ± 0.000 χ^2/NDF : 3748395.2/22

0.555 ± 0.000 χ^2/NDF : 4846584.9/24

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16

Left Out: 148.896+/-0.000 χ^2/NDF : 13458857.3/5

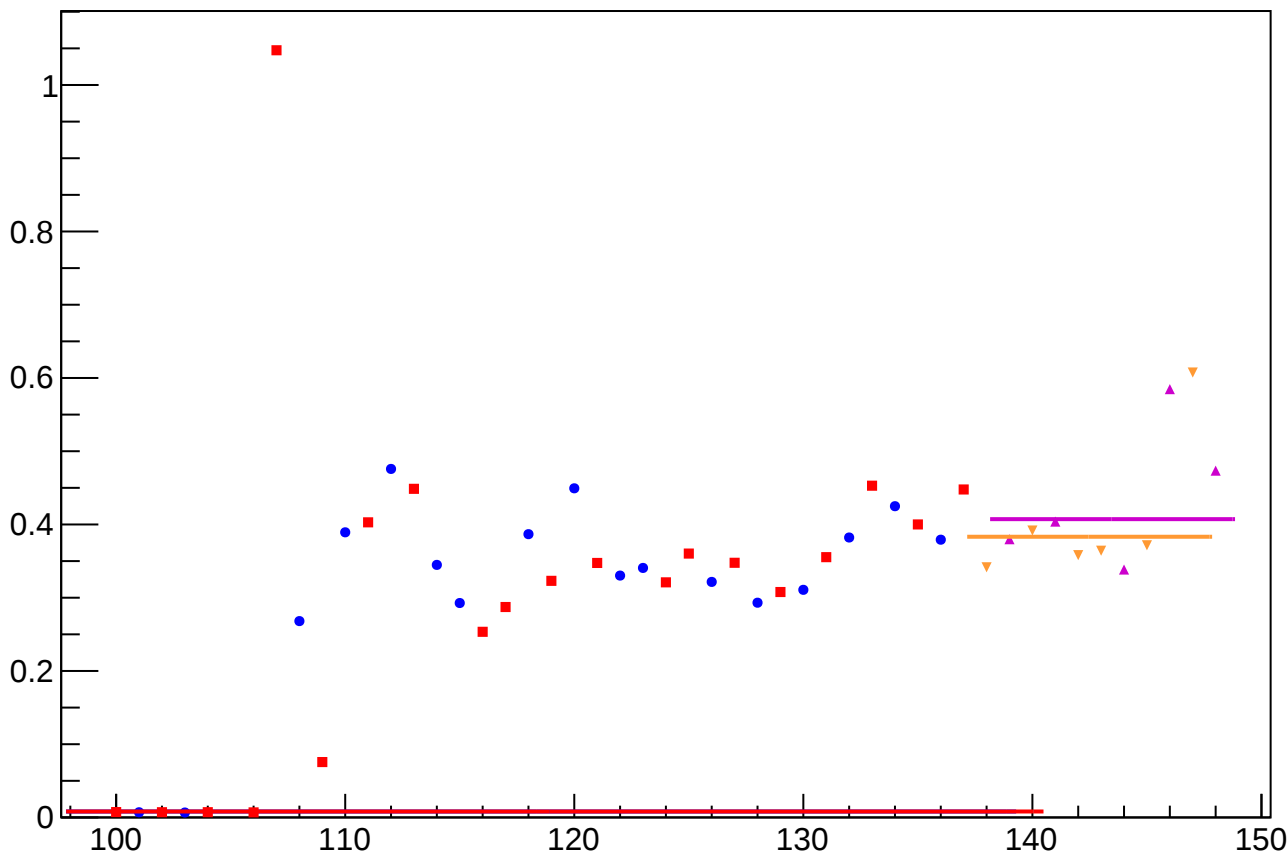
Right Out: 377.282+/-0.000 χ^2/NDF : 8306405788315.4/19

Left In: 148.876+/-0.000 χ^2/NDF : 1664976.8/4

377.826+/-0.000 χ^2/NDF : 3903262767149.7/22

376.943+/-0.000 χ^2/NDF : 9483543187083.7/24

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.383+/-0.000 χ^2/NDF : 232021.5/5

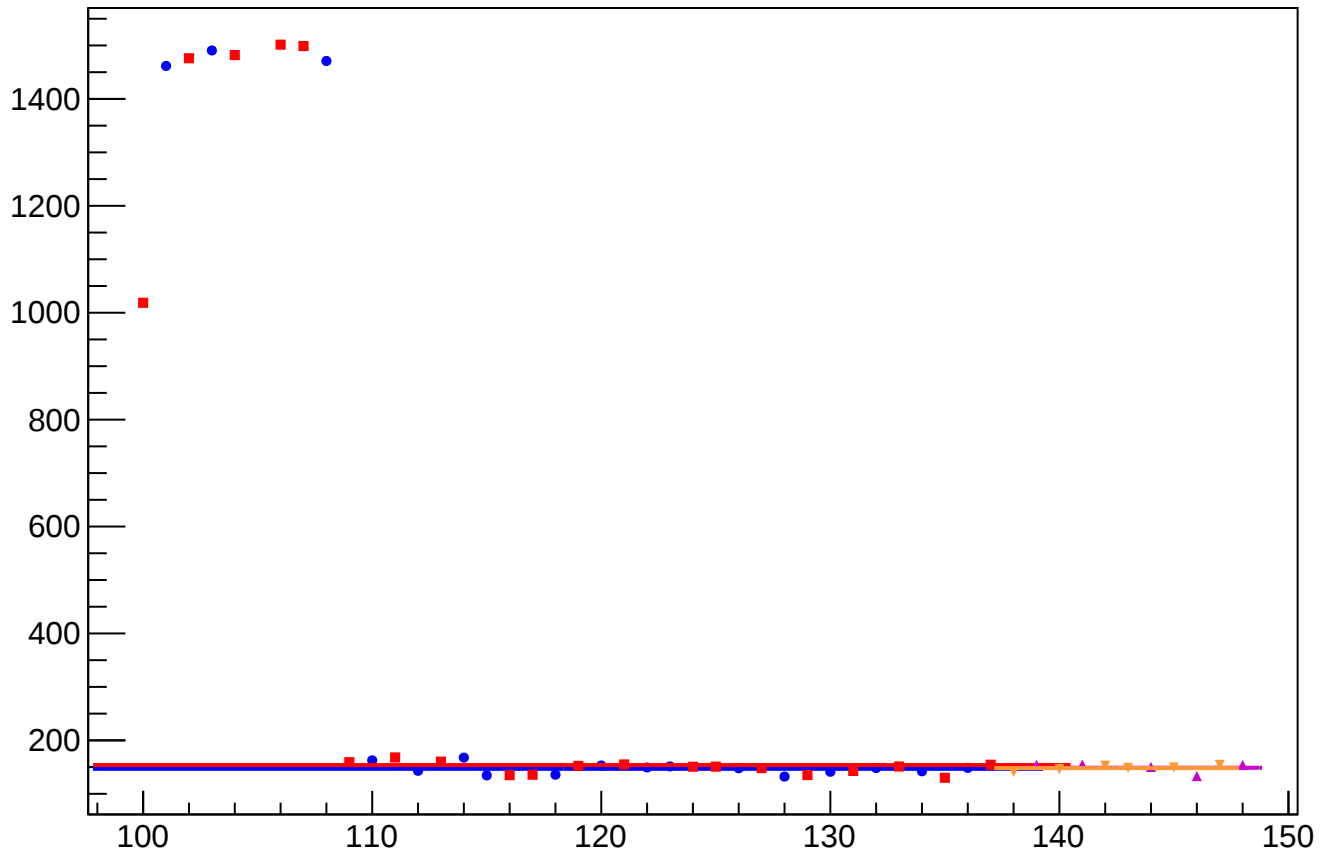
Right Out: 0.008+/-0.000 χ^2/NDF : 9601959.4/19

Left In: 0.407+/-0.000 χ^2/NDF : 253840.9/4

0.009+/-0.000 χ^2/NDF : 17557227.7/22

0.009+/-0.000 χ^2/NDF : 17044105.5/24

yield_bcm0l02_mean vs Slug



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 148.080+/-0.000 χ^2/NDF : 76019134.1/5

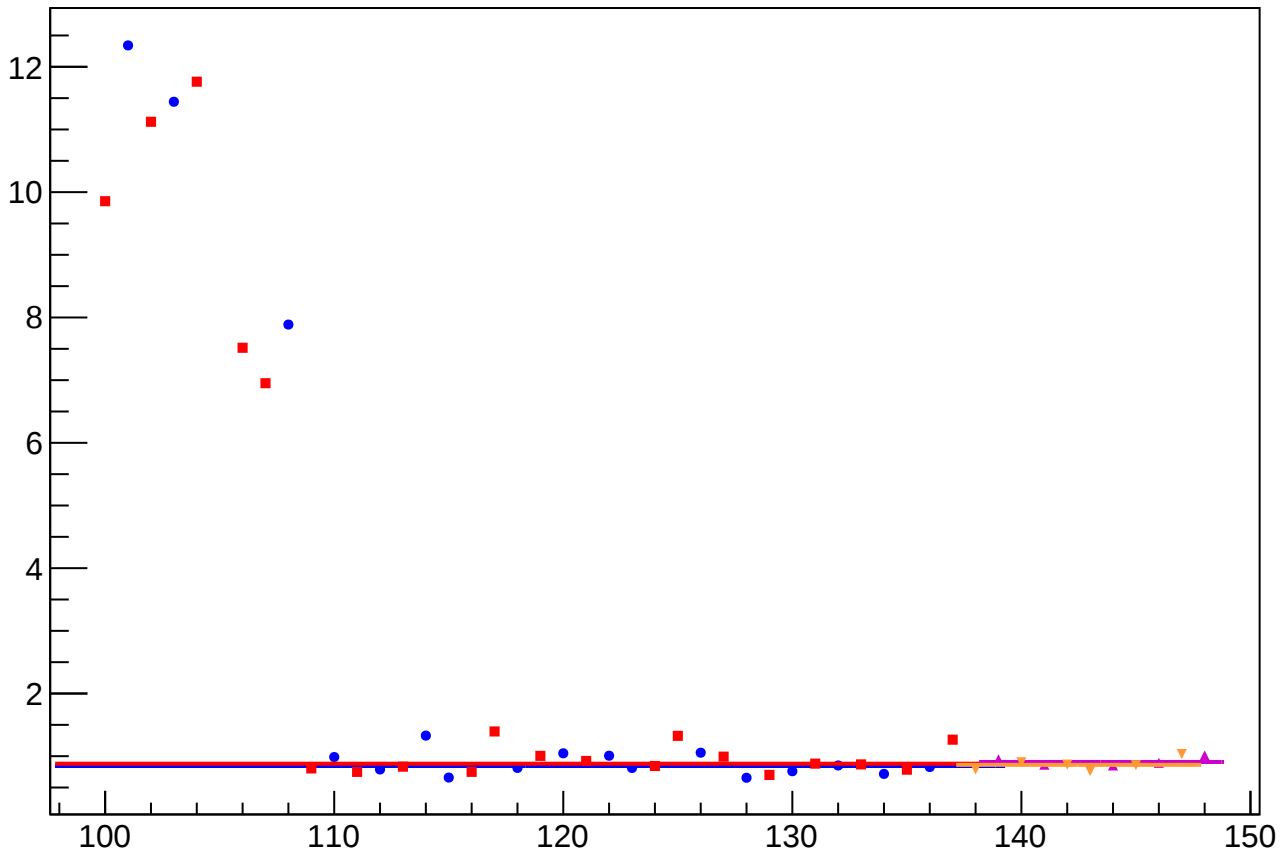
147.305+/-0.000 χ^2/NDF : 24431124305.8/22

Right Out: 153.818+/-0.000 χ^2/NDF : 33744777744.4/19

151.691+/-0.000 χ^2/NDF : 34083818310.7/24

Left In: 148.745+/-0.001 χ^2/NDF : 281733013.5/4

yield_bcm0l02_rms vs Slug



Right In: 0.844 ± 0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.862 ± 0.000 χ^2/NDF : 63937.7/5

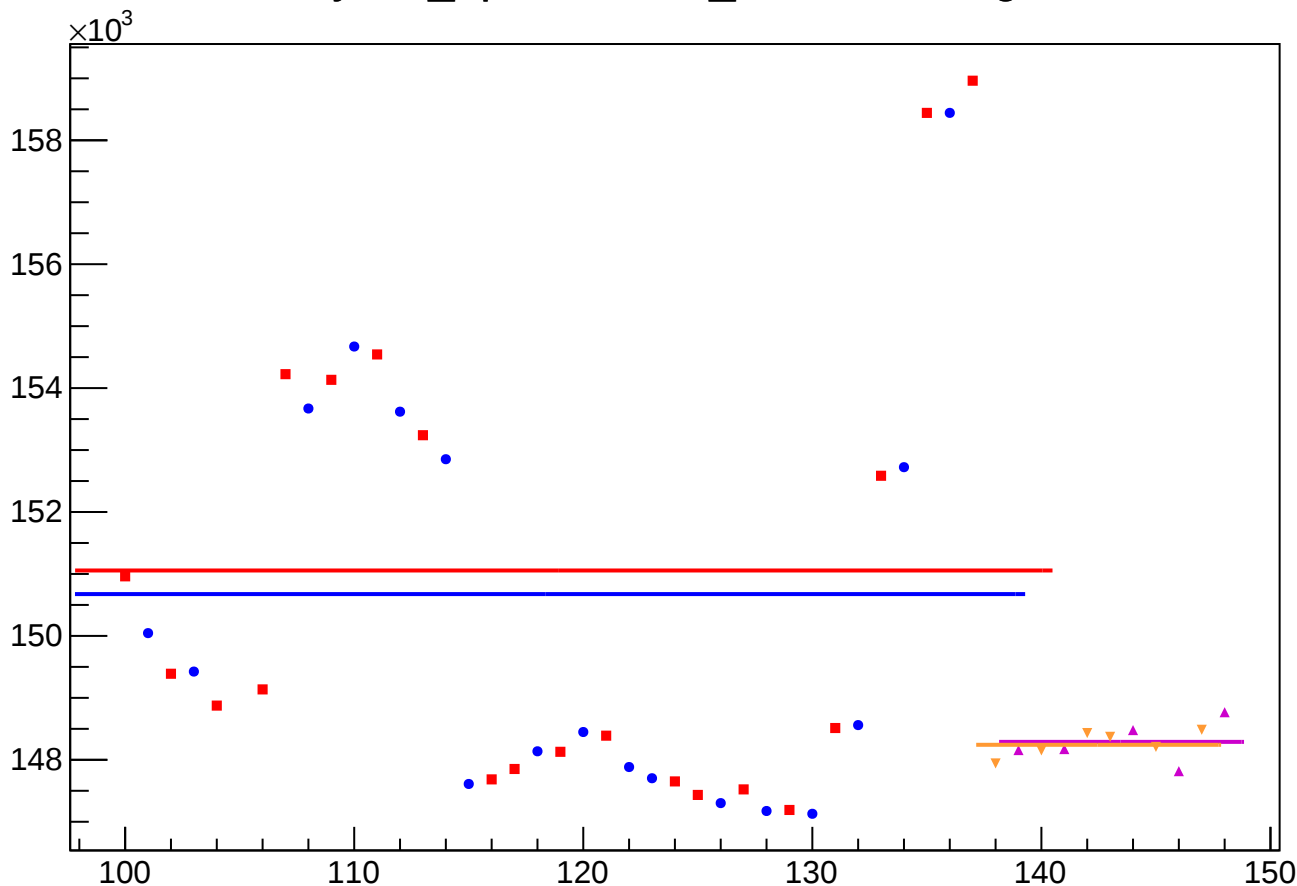
Right Out: 0.880 ± 0.000 χ^2/NDF : 2823230.1/19

Left In: 0.908 ± 0.000 χ^2/NDF : 26356.6/4

0.851 ± 0.000 χ^2/NDF : 2735944.6/22

0.892 ± 0.000 χ^2/NDF : 2852963.4/24

yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 $\pm$ 0.063 χ^2 /NDF: 3309974859.4/16

Left Out: 148242.390 $\pm$ 0.092 χ^2 /NDF: 4058728.6/5

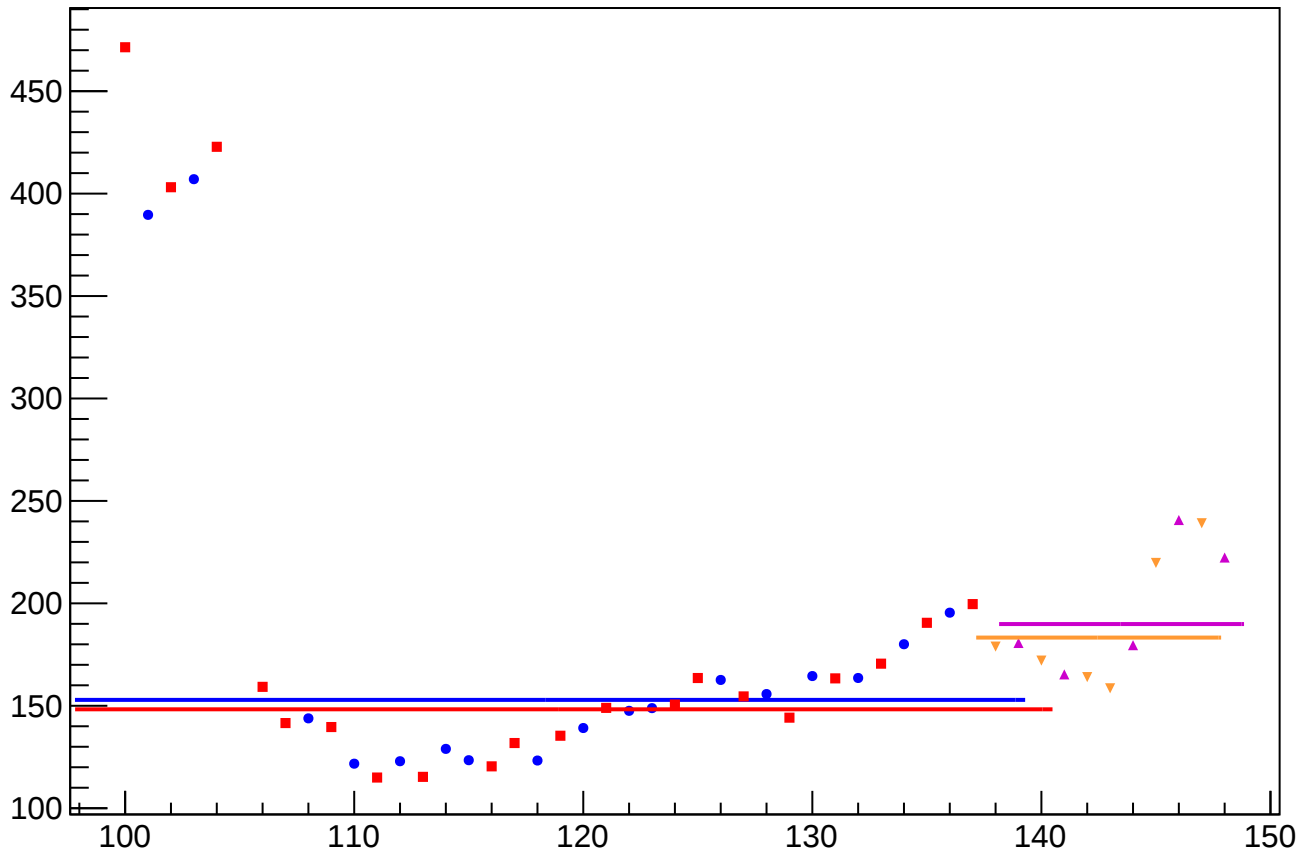
149893.444 $\pm$ 0.052 χ^2 /NDF: 3793657651.9/22

Right Out: 151056.044 $\pm$ 0.059 χ^2 /NDF: 3325519080.9/19

150295.179 $\pm$ 0.051 χ^2 /NDF: 3929758922.8/24

Left In: 148289.568 $\pm$ 0.097 χ^2 /NDF: 8468604.8/4

yield_bpm0i01WS_rms vs Slug



Right In: 152.883 ± 0.045 χ^2/NDF : 1154088.7/16

Left Out: 183.295 ± 0.065 χ^2/NDF : 177948.4/5

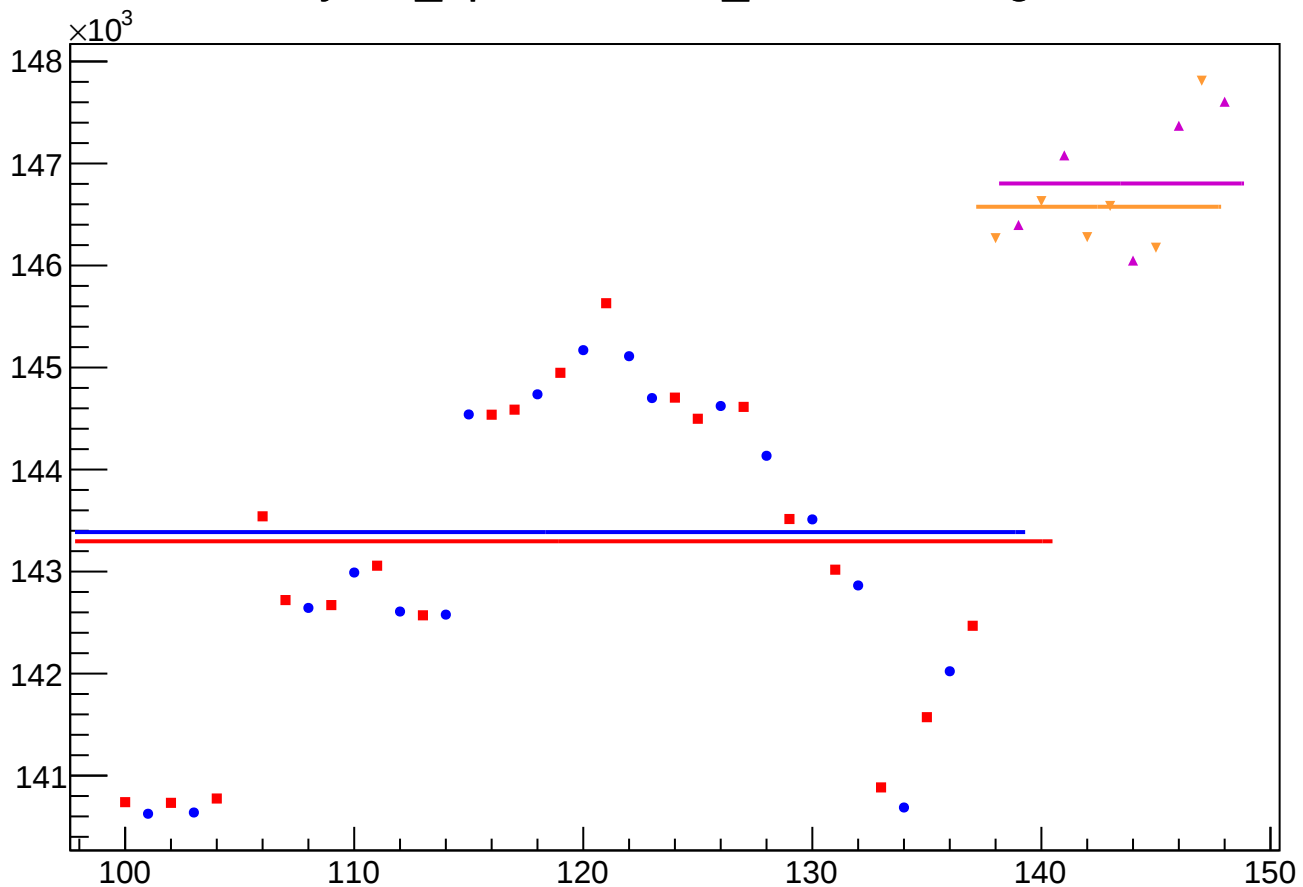
Right Out: 148.278 ± 0.042 χ^2/NDF : 1192879.8/19

Left In: 189.896 ± 0.068 χ^2/NDF : 150288.5/4

162.654 ± 0.037 χ^2/NDF : 1481958.5/22

159.724 ± 0.036 χ^2/NDF : 1612821.0/24

yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099 ± 0.053 $\chi^2/\text{NDF}: 521299875.7/16$

Left Out: 146575.948 ± 0.091 $\chi^2/\text{NDF}: 26008621.5/5$

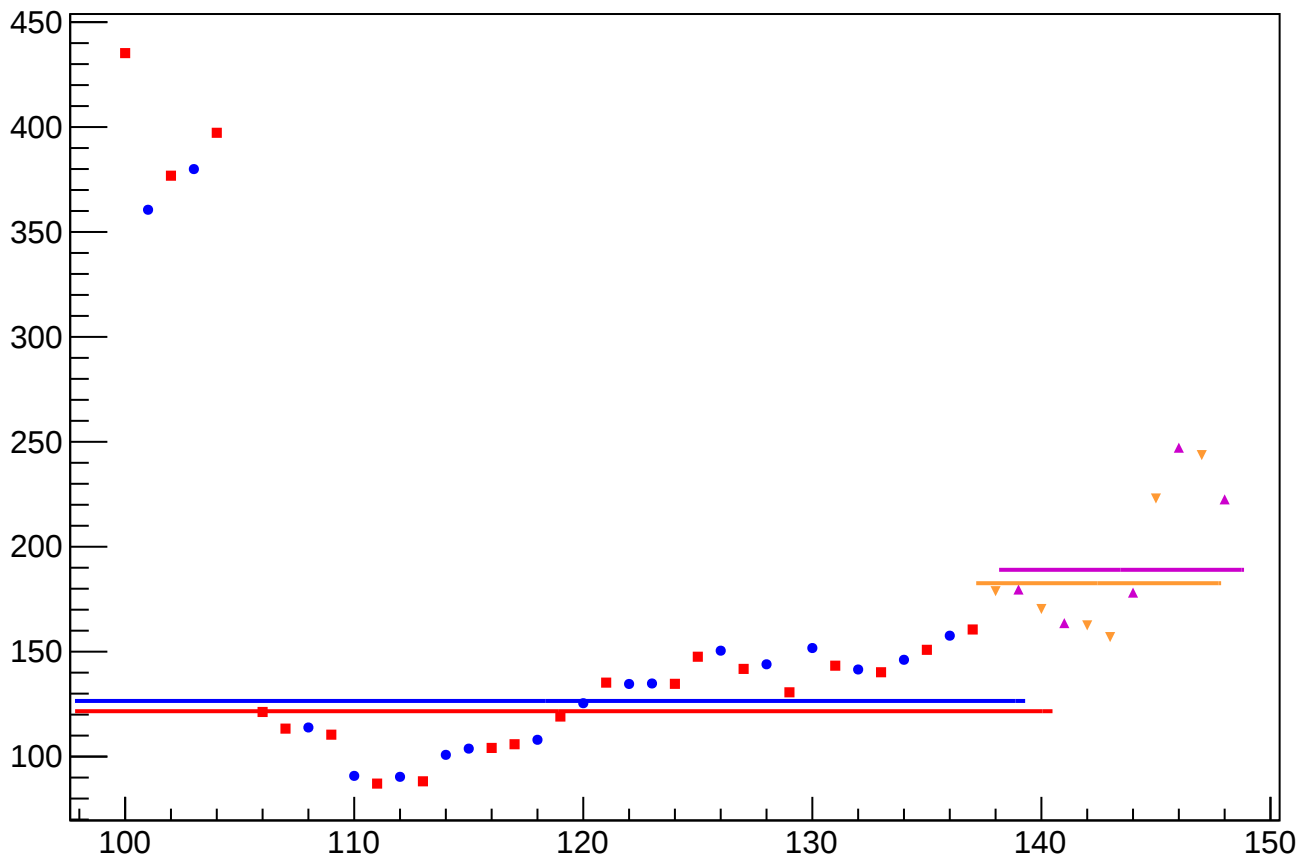
Right Out: 143296.790 ± 0.049 $\chi^2/\text{NDF}: 615134284.0/19$

Left In: 146803.997 ± 0.096 $\chi^2/\text{NDF}: 35441562.0/4$

144183.543 ± 0.046 $\chi^2/\text{NDF}: 1460946601.1/22$

144014.799 ± 0.044 $\chi^2/\text{NDF}: 1704835187.5/24$

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 ± 0.037 χ^2/NDF : 1441685.0/16

Left Out: 182.623 ± 0.065 χ^2/NDF : 203740.8/5

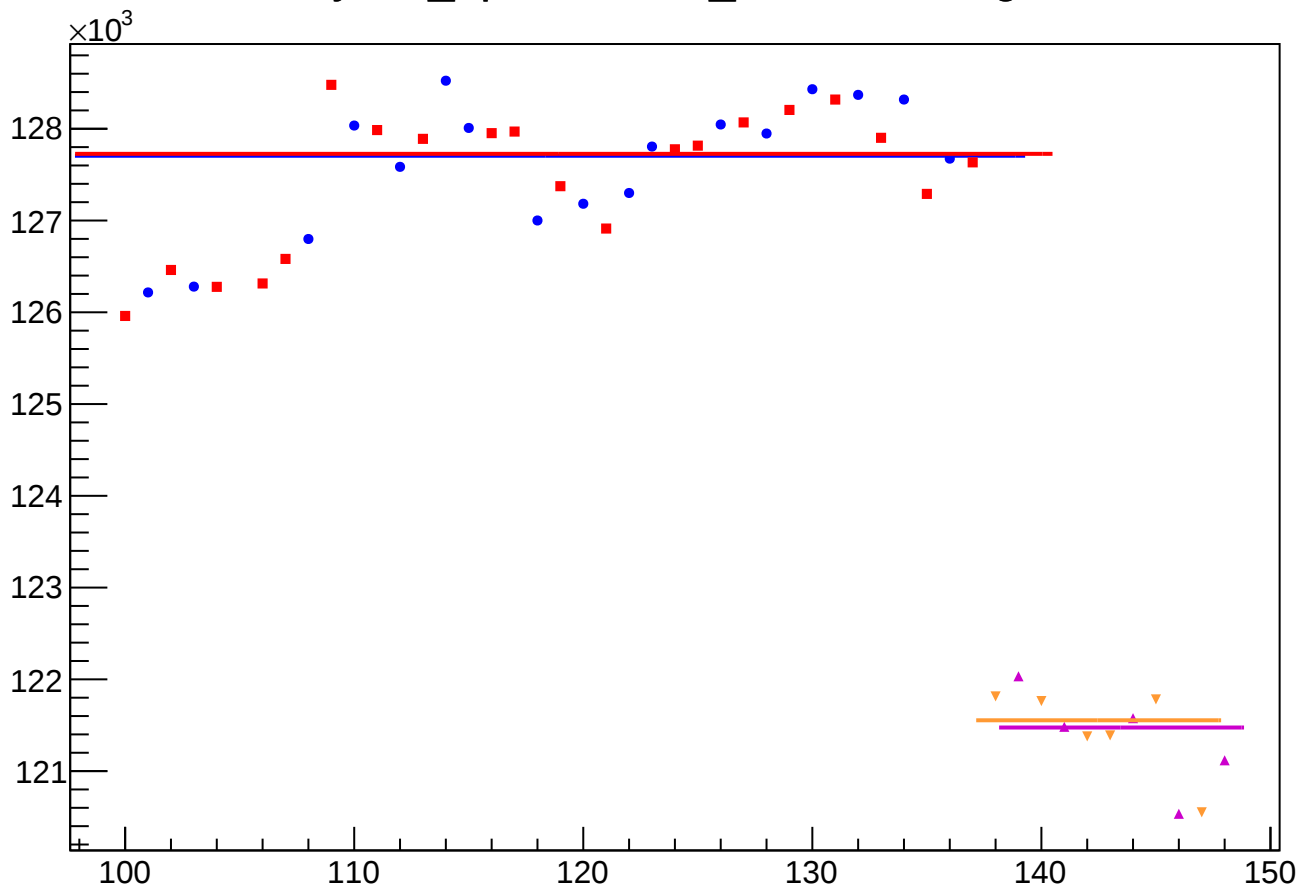
Right Out: 121.625 ± 0.035 χ^2/NDF : 1465763.8/19

Left In: 189.008 ± 0.068 χ^2/NDF : 173236.4/4

140.528 ± 0.032 χ^2/NDF : 2211148.5/22

135.420 ± 0.031 χ^2/NDF : 2417297.8/24

yield_bpm0l01WS_mean vs Slug



Right In: 127706.194 $\pm$ 0.058 χ^2 /NDF: 97860521.1/16

Left Out: 121553.773 $\pm$ 0.079 χ^2 /NDF: 18234515.9/5

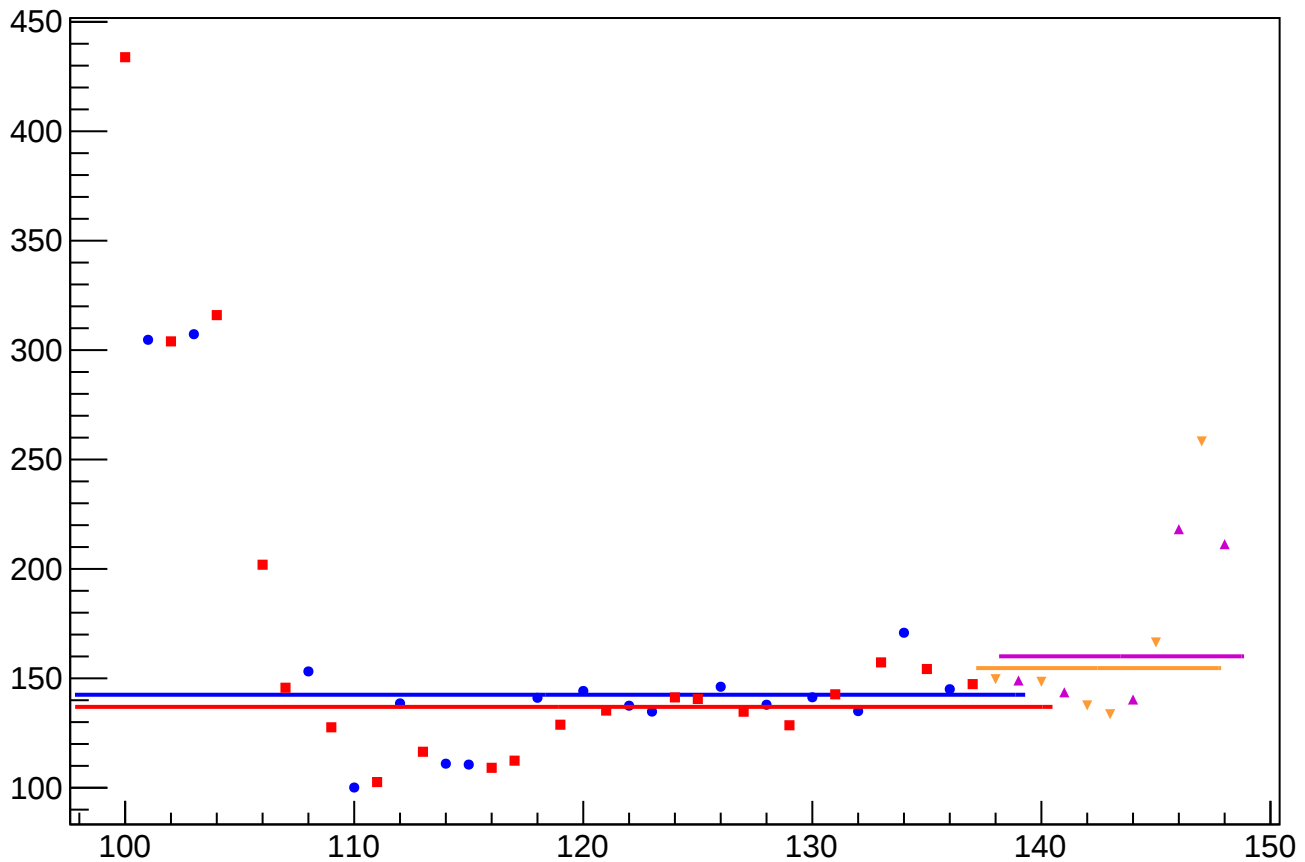
Right Out: 127726.708 $\pm$ 0.054 χ^2 /NDF: 112816704.3/19

Left In: 121475.018 $\pm$ 0.083 χ^2 /NDF: 26465265.1/4

125537.748 $\pm$ 0.047 χ^2 /NDF: 4073874238.1/22

125840.940 $\pm$ 0.045 χ^2 /NDF: 4144515597.4/24

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 ± 0.041 χ^2/NDF : 836263.7/16

Left Out: 154.679 ± 0.056 χ^2/NDF : 303822.5/5

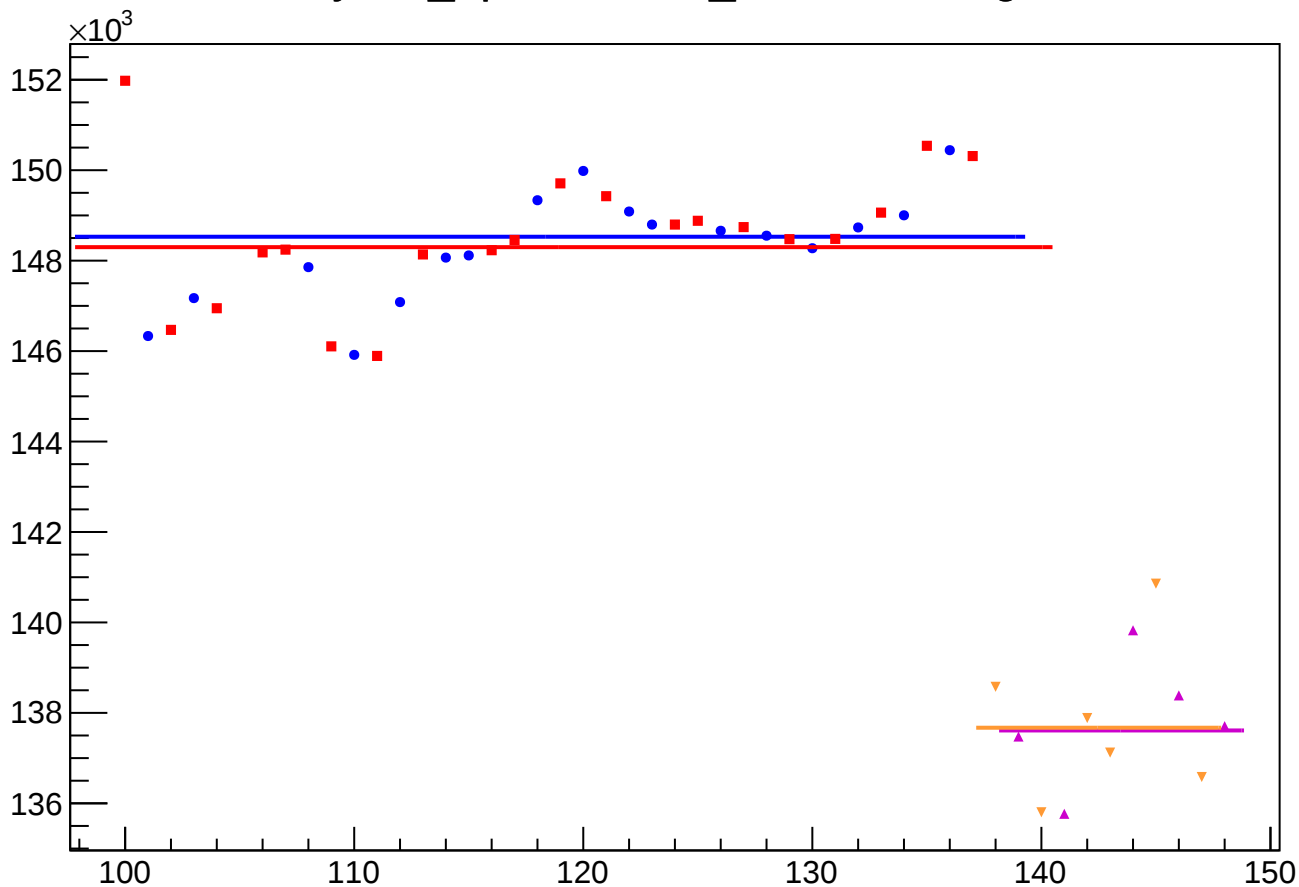
Right Out: 136.963 ± 0.038 χ^2/NDF : 961465.0/19

Left In: 160.065 ± 0.058 χ^2/NDF : 263398.8/4

146.794 ± 0.033 χ^2/NDF : 1171097.0/22

143.932 ± 0.032 χ^2/NDF : 1334246.9/24

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 ± 0.082 $\chi^2/\text{NDF}: 209986594.2/16$

Left Out: 137671.885 ± 0.119 $\chi^2/\text{NDF}: 186780651.4/5$

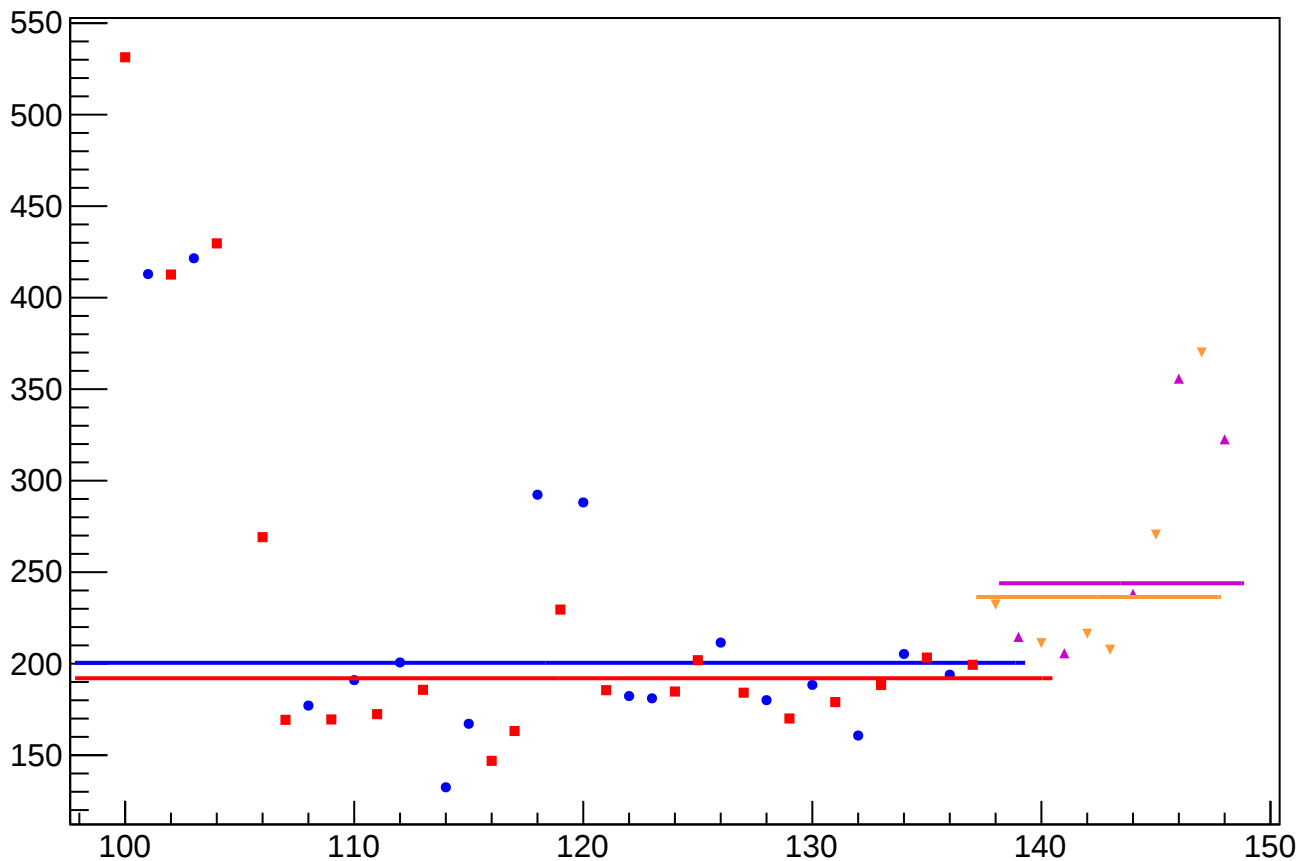
Right Out: 148298.586 ± 0.076 $\chi^2/\text{NDF}: 293284830.9/19$

Left In: 137611.470 ± 0.126 $\chi^2/\text{NDF}: 144389478.4/4$

145040.925 ± 0.068 $\chi^2/\text{NDF}: 6018872798.0/22$

145445.792 ± 0.065 $\chi^2/\text{NDF}: 5707267340.6/24$

yield_bpm0l02WS_rms vs Slug



Right In: 200.472 ± 0.058 χ^2/NDF : 936547.2/16

Left Out: 236.455 ± 0.084 χ^2/NDF : 279860.9/5

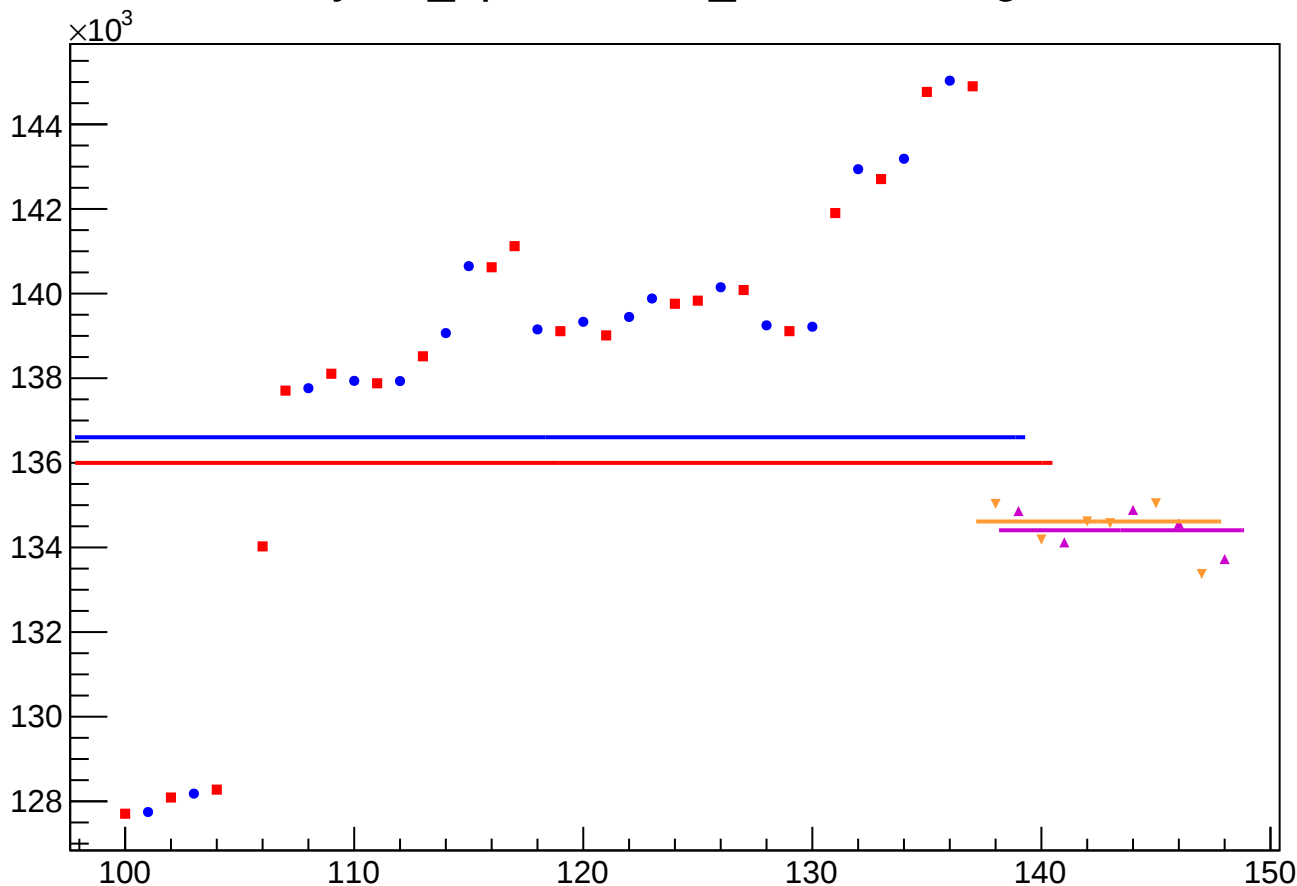
Right Out: 192.040 ± 0.054 χ^2/NDF : 847133.0/19

Left In: 243.939 ± 0.089 χ^2/NDF : 329625.5/4

212.032 ± 0.048 χ^2/NDF : 1339920.4/22

205.894 ± 0.046 χ^2/NDF : 1425297.4/24

yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16

Left Out: 134613.516 $\pm$ 0.268 χ^2 /NDF: 3258510.9/5

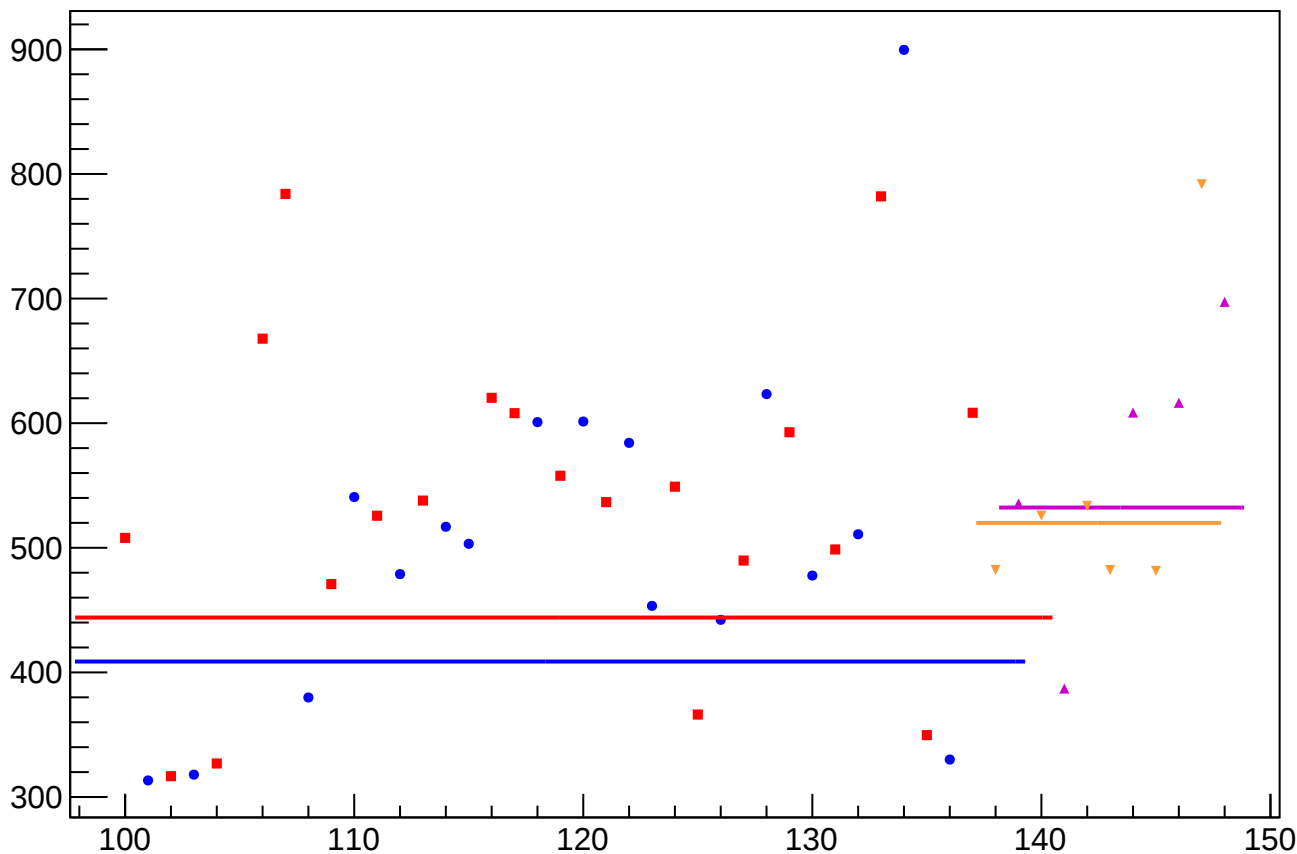
136027.354 $\pm$ 0.144 χ^2 /NDF: 1536720922.1/22

Right Out: 135998.851 $\pm$ 0.182 χ^2 /NDF: 1084895879.4/19

135559.084 $\pm$ 0.155 χ^2 /NDF: 1107888988.8/24

Left In: 134406.073 $\pm$ 0.295 χ^2 /NDF: 1939103.8/4

yield_bpm0l03WS_rms vs Slug



Right In: 408.729 ± 0.121 χ^2/NDF : 823262.8/16

Left Out: 519.975 ± 0.190 χ^2/NDF : 189663.3/5

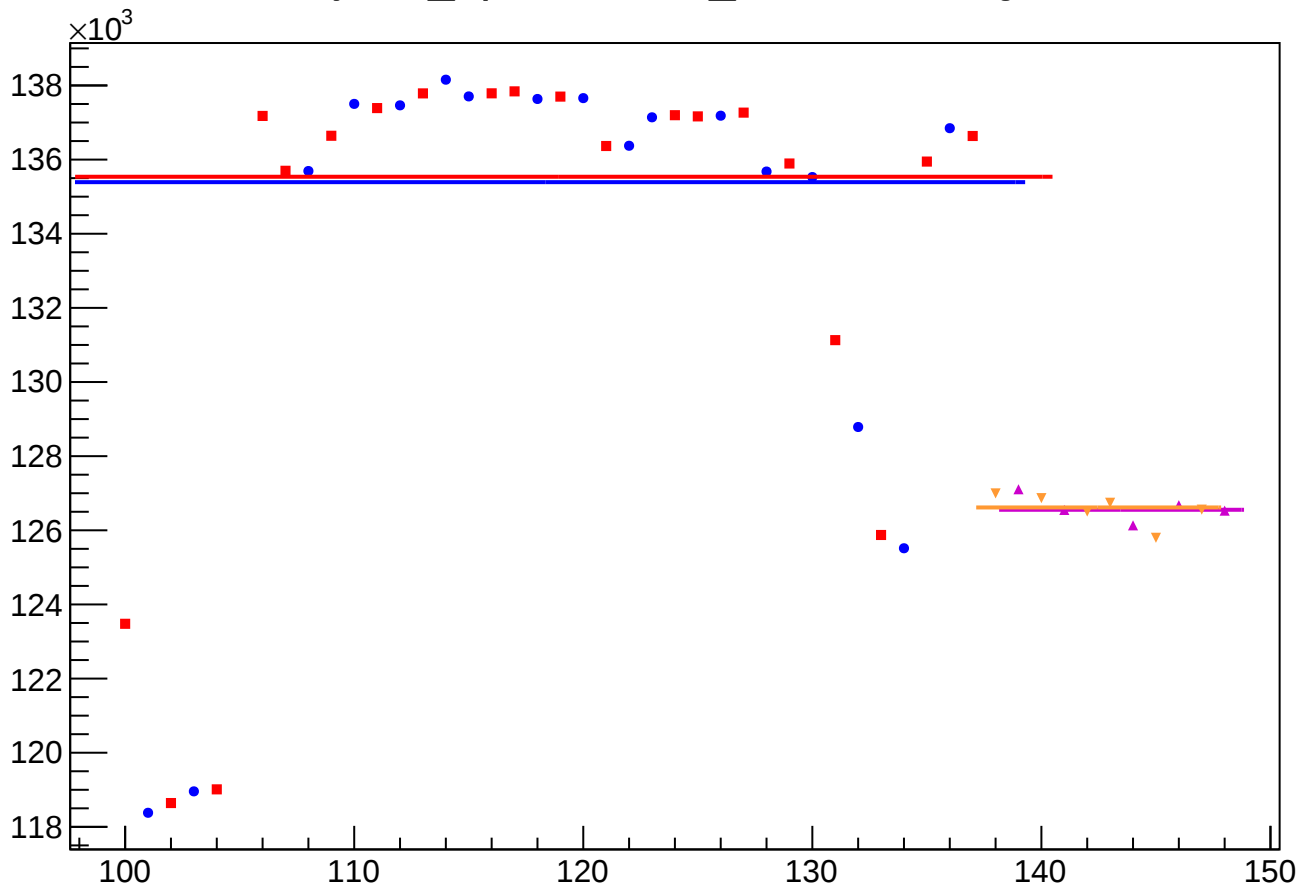
Right Out: 444.034 ± 0.129 χ^2/NDF : 922545.8/19

Left In: 532.302 ± 0.209 χ^2/NDF : 304362.7/4

440.983 ± 0.102 χ^2/NDF : 1257081.9/22

468.405 ± 0.110 χ^2/NDF : 1356226.8/24

yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16

Left Out: 126616.284 $\pm$ 0.086 χ^2 /NDF: 21400517.3/5

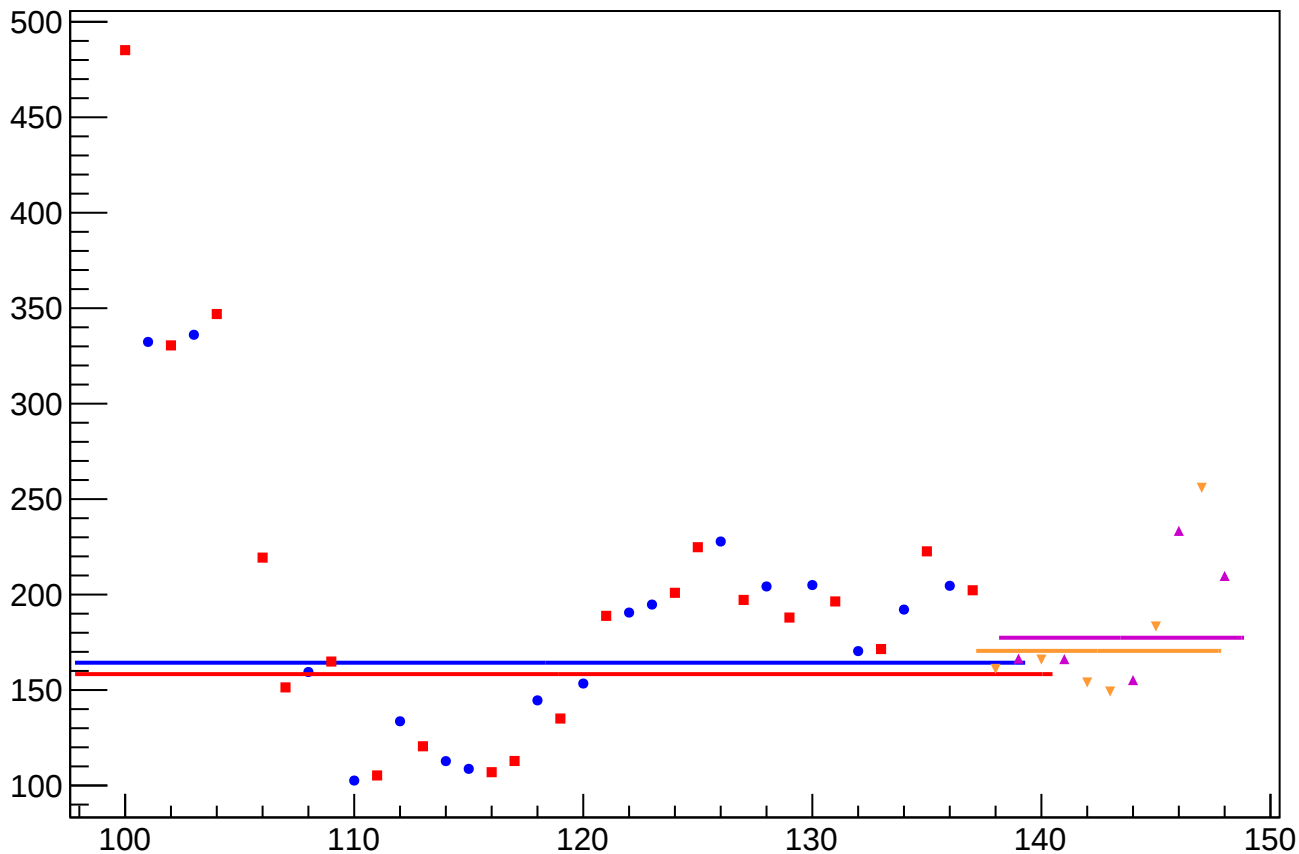
Right Out: 135537.290 $\pm$ 0.064 χ^2 /NDF: 4748951957.4/19

Left In: 126553.642 $\pm$ 0.091 χ^2 /NDF: 13868252.6/4

131987.172 $\pm$ 0.053 χ^2 /NDF: 11012056902.5/2

132549.527 $\pm$ 0.052 χ^2 /NDF: 11327647518.2/2

yield_bpm0l04WS_rms vs Slug



Right In: 164.311 ± 0.048 χ^2/NDF : 1230487.8/16

Left Out: 170.516 ± 0.061 χ^2/NDF : 222404.6/5

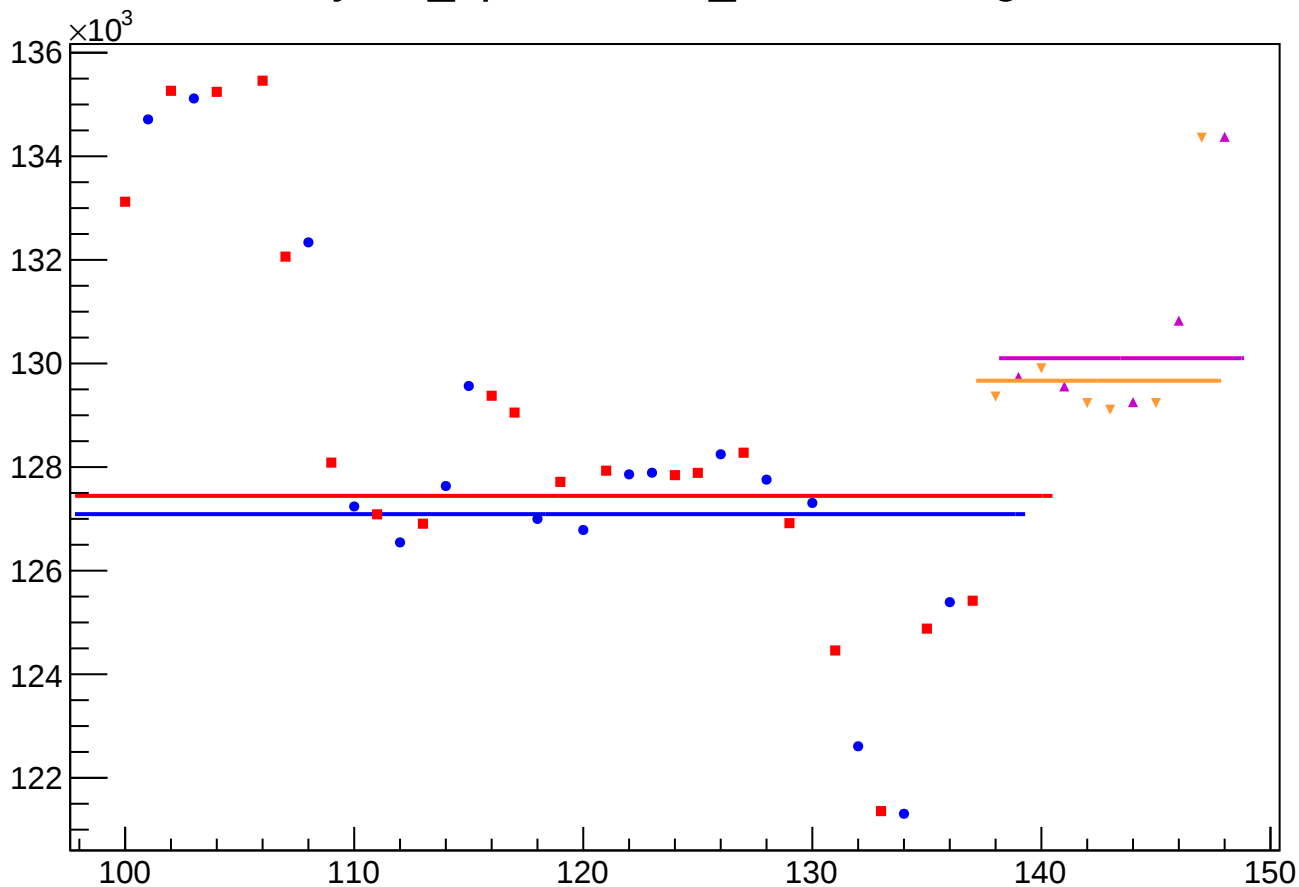
Right Out: 158.336 ± 0.045 χ^2/NDF : 1398323.7/19

Left In: 177.393 ± 0.064 χ^2/NDF : 175416.4/4

166.718 ± 0.038 χ^2/NDF : 1459302.2/22

164.674 ± 0.037 χ^2/NDF : 1632819.9/24

yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 ± 0.066 χ^2/NDF : 1717208780.6/16

Left Out: 129667.444 ± 0.086 χ^2/NDF : 193163506.7/5

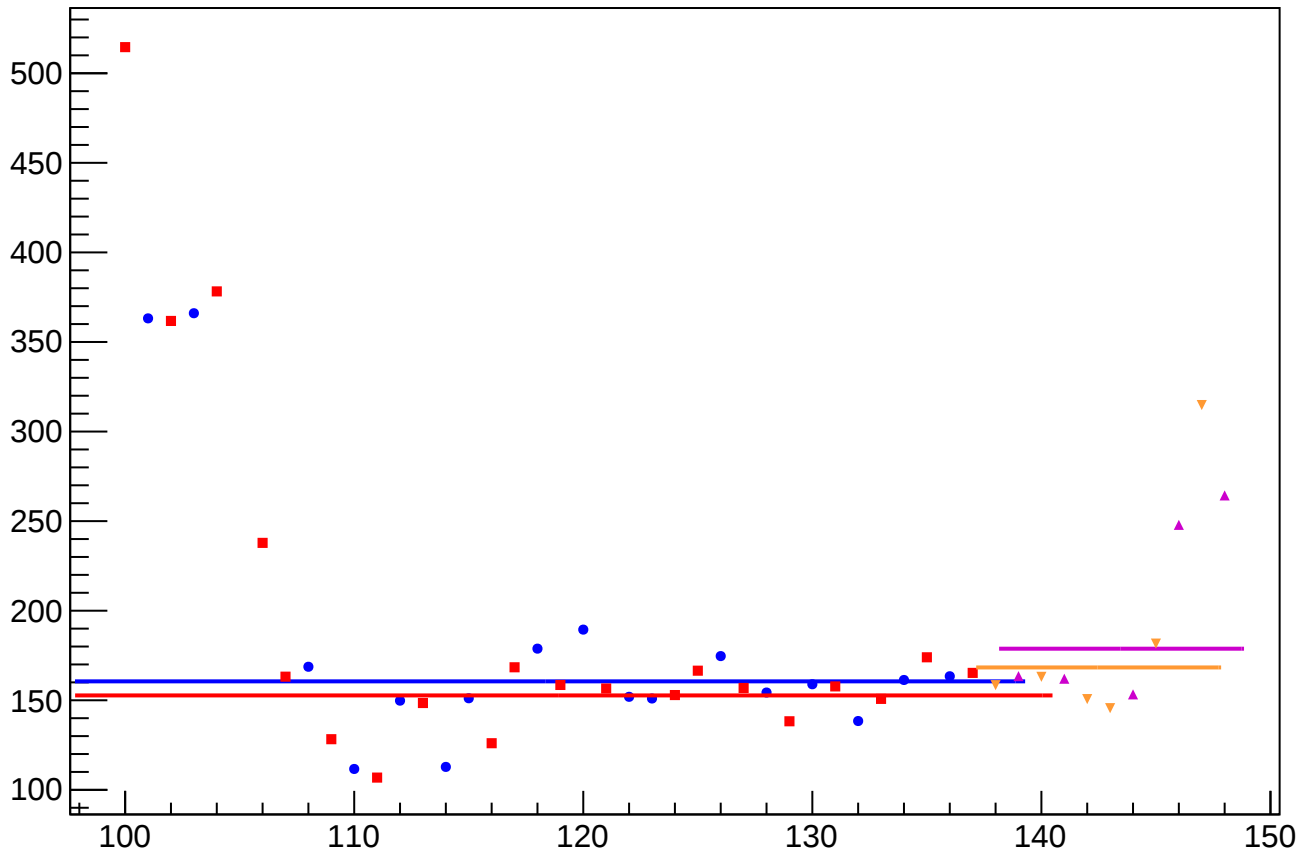
Right Out: 127444.472 ± 0.061 χ^2/NDF : 2082646787.7/19

Left In: 130101.847 ± 0.093 χ^2/NDF : 248628767.4/4

128055.399 ± 0.052 χ^2/NDF : 2475172586.6/22

128256.667 ± 0.051 χ^2/NDF : 2904053983.3/24

yield_bpm0l05WS_rms vs Slug



Right In: 160.564+/-0.047 χ^2/NDF : 942747.0/16

Left Out: 168.326+/-0.061 χ^2/NDF : 392727.4/5

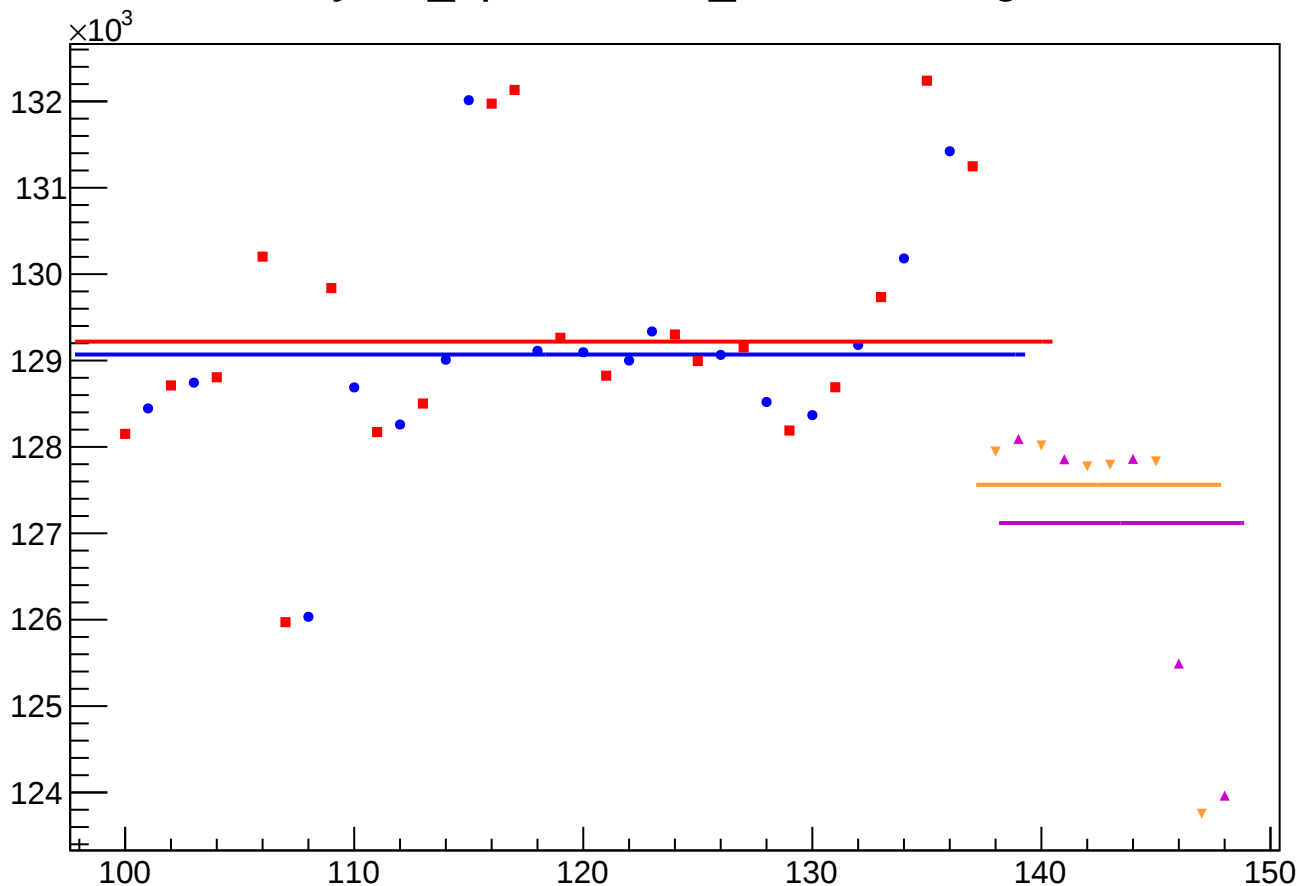
163.469+/-0.037 χ^2/NDF : 1345731.6/22

Right Out: 152.711+/-0.043 χ^2/NDF : 1087186.3/19

160.682+/-0.036 χ^2/NDF : 1558751.5/24

Left In: 178.791+/-0.065 χ^2/NDF : 361221.5/4

yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 $\pm$ 0.060 χ^2 /NDF: 476692316.5/16

Left Out: 127561.581 $\pm$ 0.082 χ^2 /NDF: 182147537.1/5

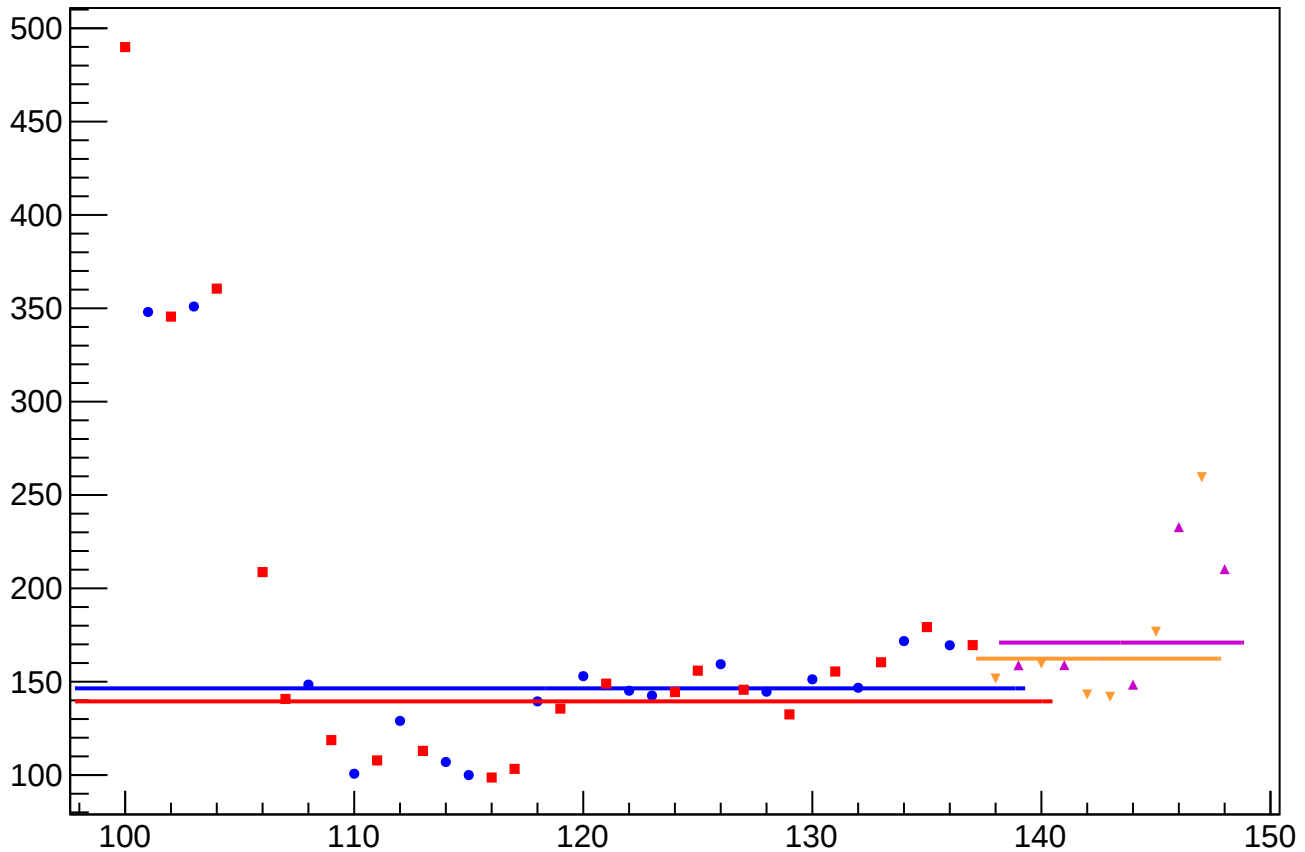
Right Out: 129219.072 $\pm$ 0.056 χ^2 /NDF: 660468184.1/19

Left In: 127119.503 $\pm$ 0.088 χ^2 /NDF: 277747958.8/4

128541.137 $\pm$ 0.048 χ^2 /NDF: 878998721.4/22

128613.889 $\pm$ 0.047 χ^2 /NDF: 1347224343.7/24

yield_bpm0l06WS_rms vs Slug



Right In: 146.437+/-0.043 χ^2/NDF : 1064791.0/16

Left Out: 162.351+/-0.058 χ^2/NDF : 276959.5/5

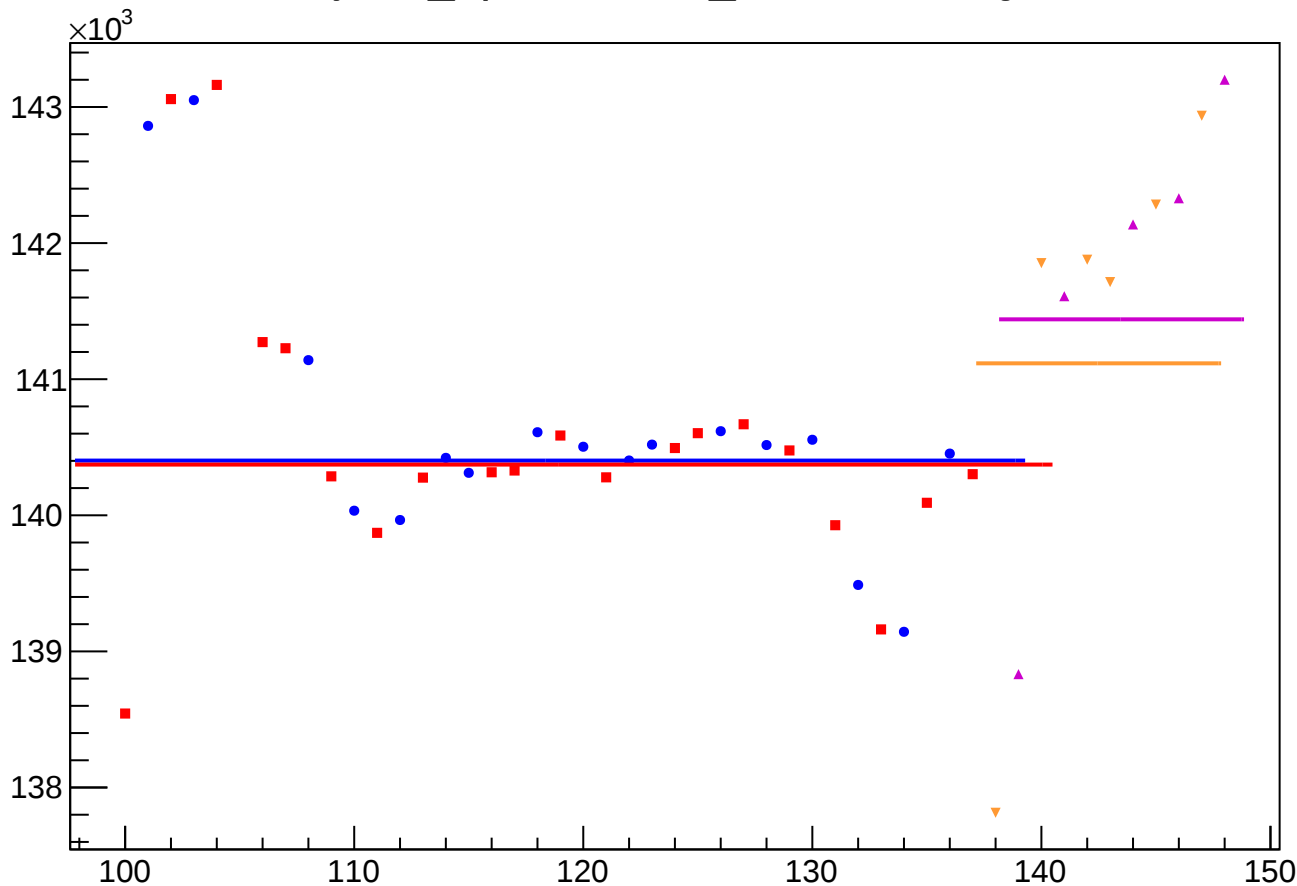
Right Out: 139.468+/-0.039 χ^2/NDF : 1214310.8/19

Left In: 170.952+/-0.062 χ^2/NDF : 221803.5/4

152.015+/-0.034 χ^2/NDF : 1390782.2/22

148.543+/-0.033 χ^2/NDF : 1620058.0/24

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 ± 0.064 $\chi^2/\text{NDF}: 88071774.7/16$

Left Out: 141116.539 ± 0.097 $\chi^2/\text{NDF}: 326593405.8/5$

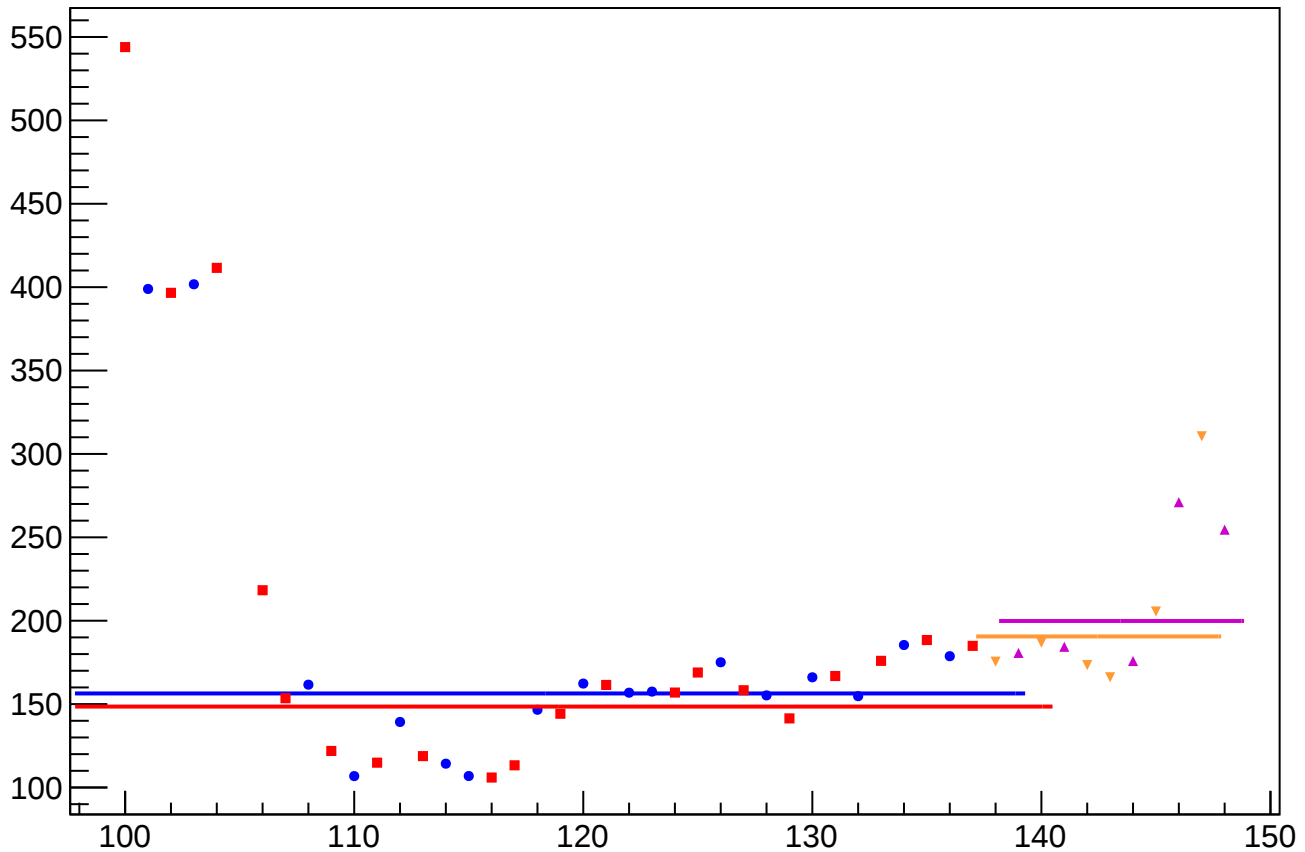
140620.947 ± 0.054 $\chi^2/\text{NDF}: 452446099.8/22$

Right Out: 140372.636 ± 0.059 $\chi^2/\text{NDF}: 99861038.9/19$

140640.359 ± 0.051 $\chi^2/\text{NDF}: 380131020.5/24$

Left In: 141439.839 ± 0.103 $\chi^2/\text{NDF}: 199545661.6/4$

yield_bpm0l07WS_rms vs Slug



Right In: 156.394+/-0.046 χ^2/NDF : 1154804.2/16

Left Out: 190.577+/-0.068 χ^2/NDF : 287150.6/5

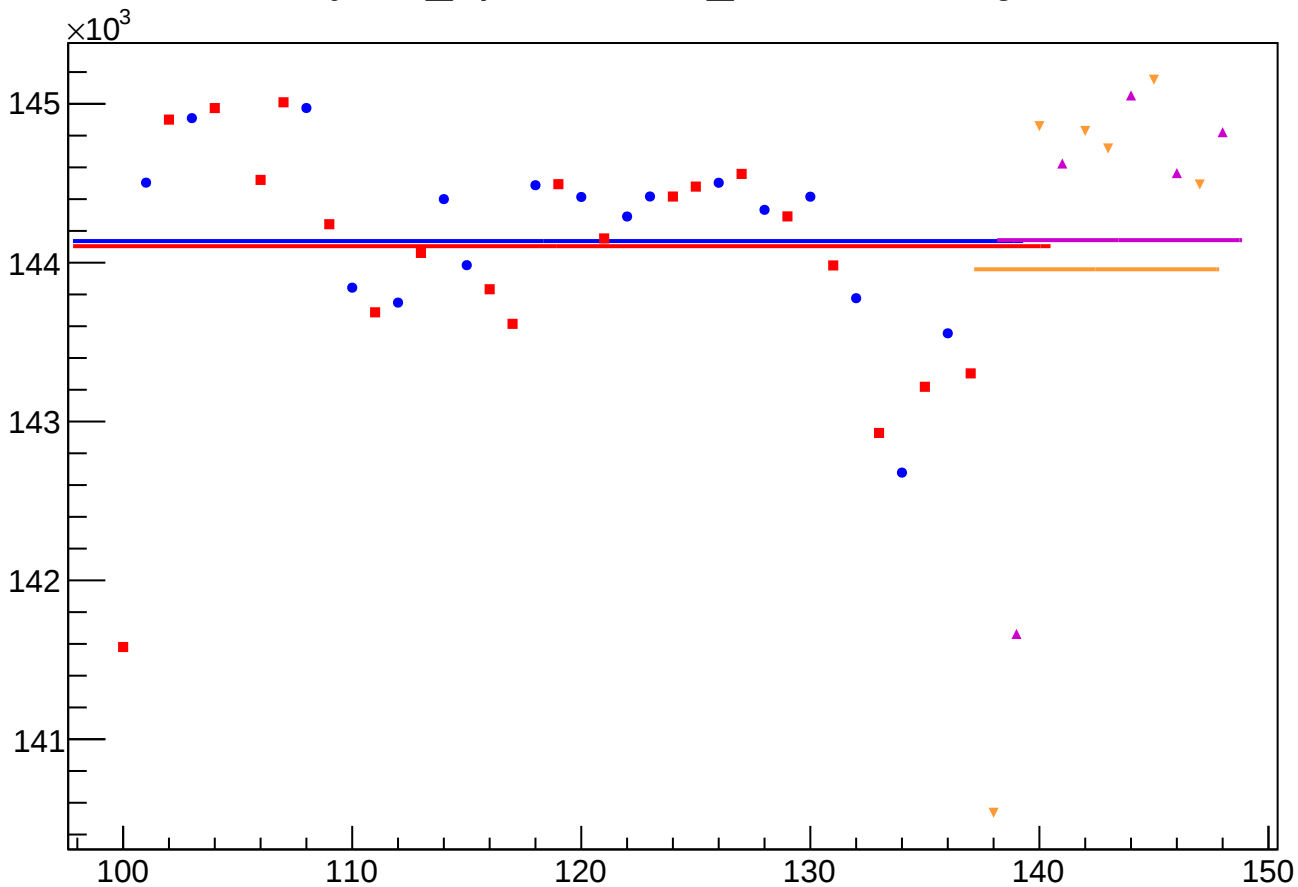
166.868+/-0.038 χ^2/NDF : 1614893.4/22

Right Out: 148.524+/-0.042 χ^2/NDF : 1316113.9/19

161.399+/-0.036 χ^2/NDF : 1927897.1/24

Left In: 199.847+/-0.073 χ^2/NDF : 238390.9/4

yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 ± 0.067 χ^2/NDF : 47069480.3/16

Left Out: 143958.441 ± 0.095 χ^2/NDF : 336779386.9/5

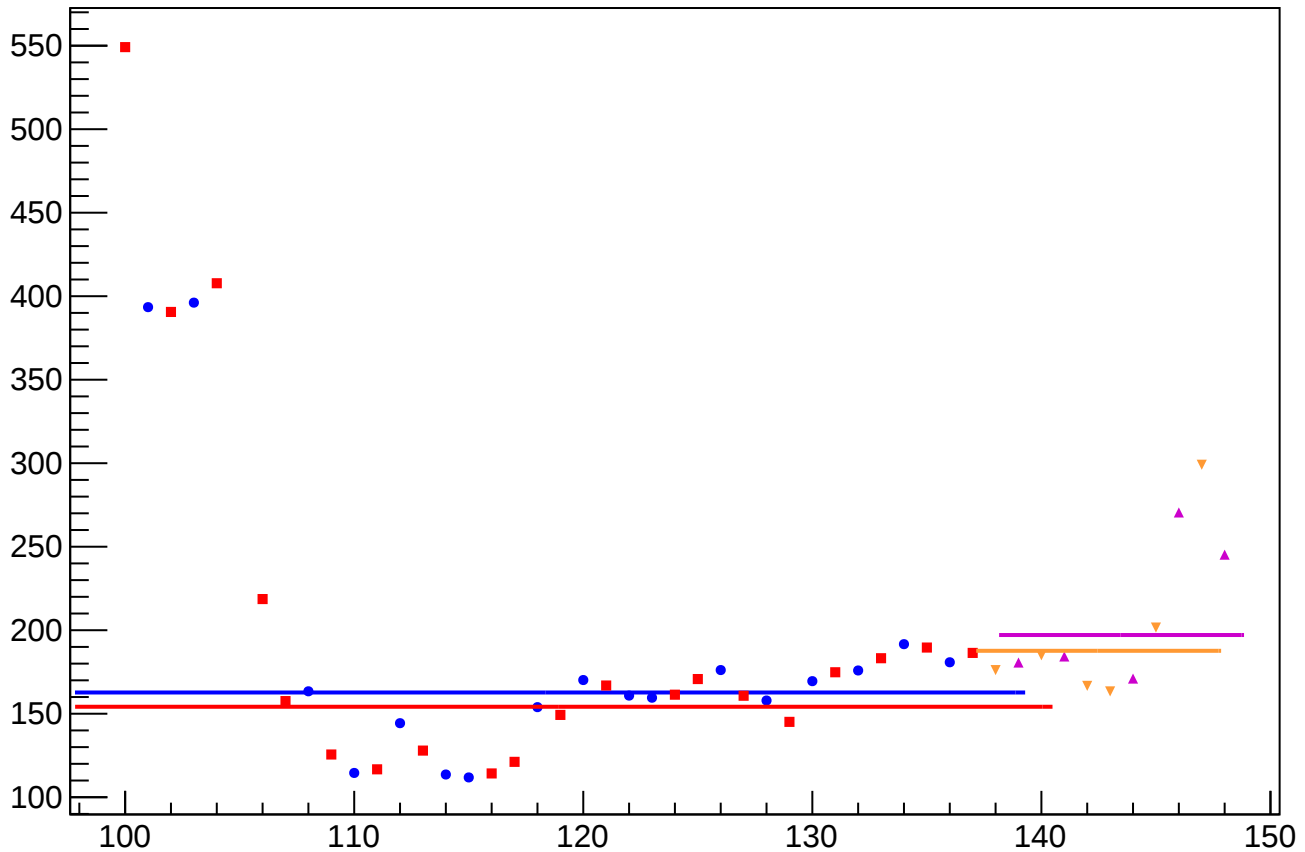
Right Out: 144103.887 ± 0.062 χ^2/NDF : 65973087.5/19

Left In: 144141.889 ± 0.101 χ^2/NDF : 164421412.7/4

144077.449 ± 0.055 χ^2/NDF : 386187071.5/22

144114.116 ± 0.053 χ^2/NDF : 230497208.9/24

yield_bpm0l08WS_rms vs Slug



Right In: 162.714+/-0.047 χ^2/NDF : 1066482.0/16

Left Out: 187.675+/-0.067 χ^2/NDF : 270844.0/5

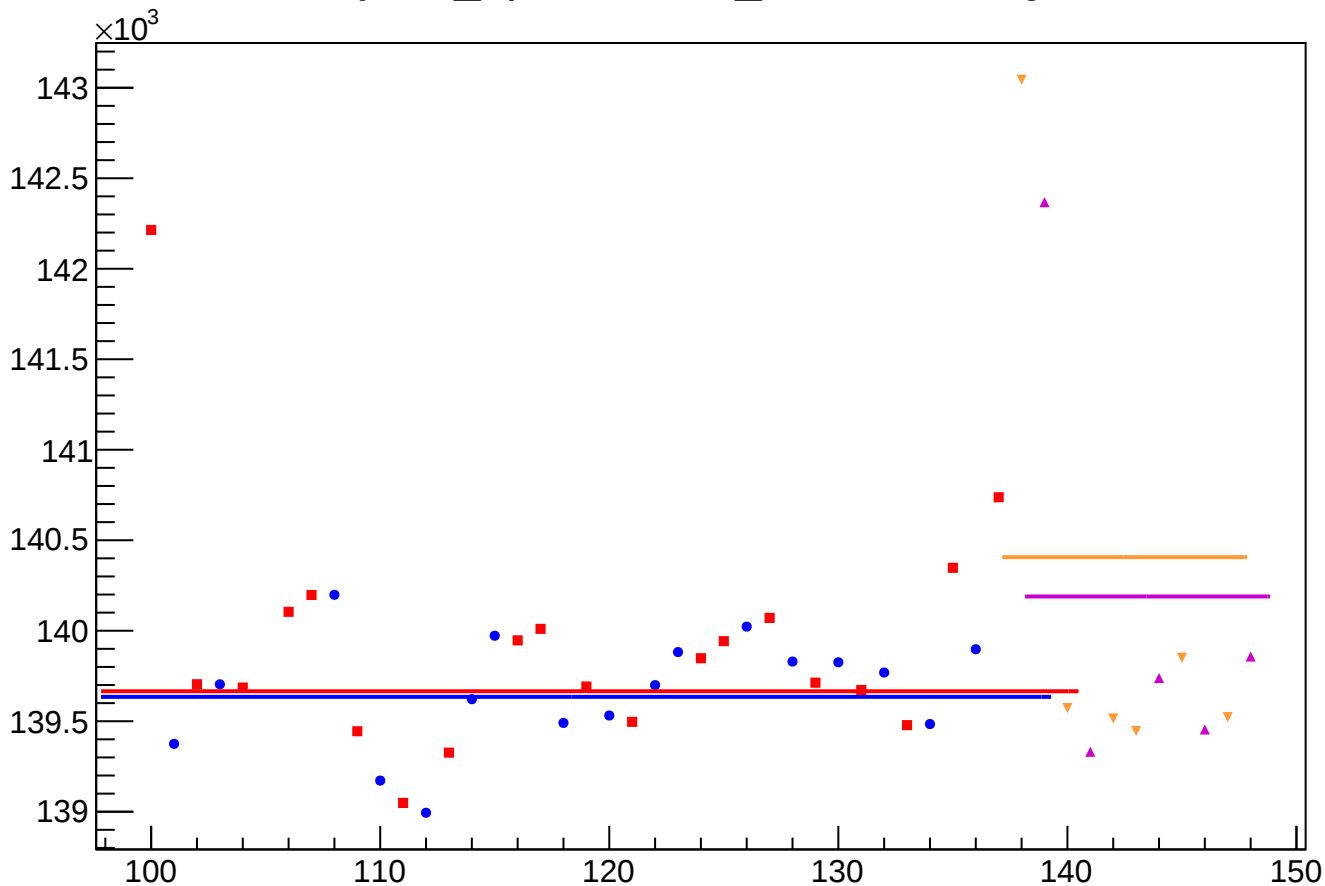
170.956+/-0.039 χ^2/NDF : 1429620.5/22

Right Out: 154.174+/-0.044 χ^2/NDF : 1224004.2/19

165.736+/-0.037 χ^2/NDF : 1719701.3/24

Left In: 197.127+/-0.072 χ^2/NDF : 233255.5/4

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700 $\pm$ 0.068 χ^2 /NDF: 24844912.0/16

Left Out: 140406.587 $\pm$ 0.105 χ^2 /NDF: 195920003.8/5

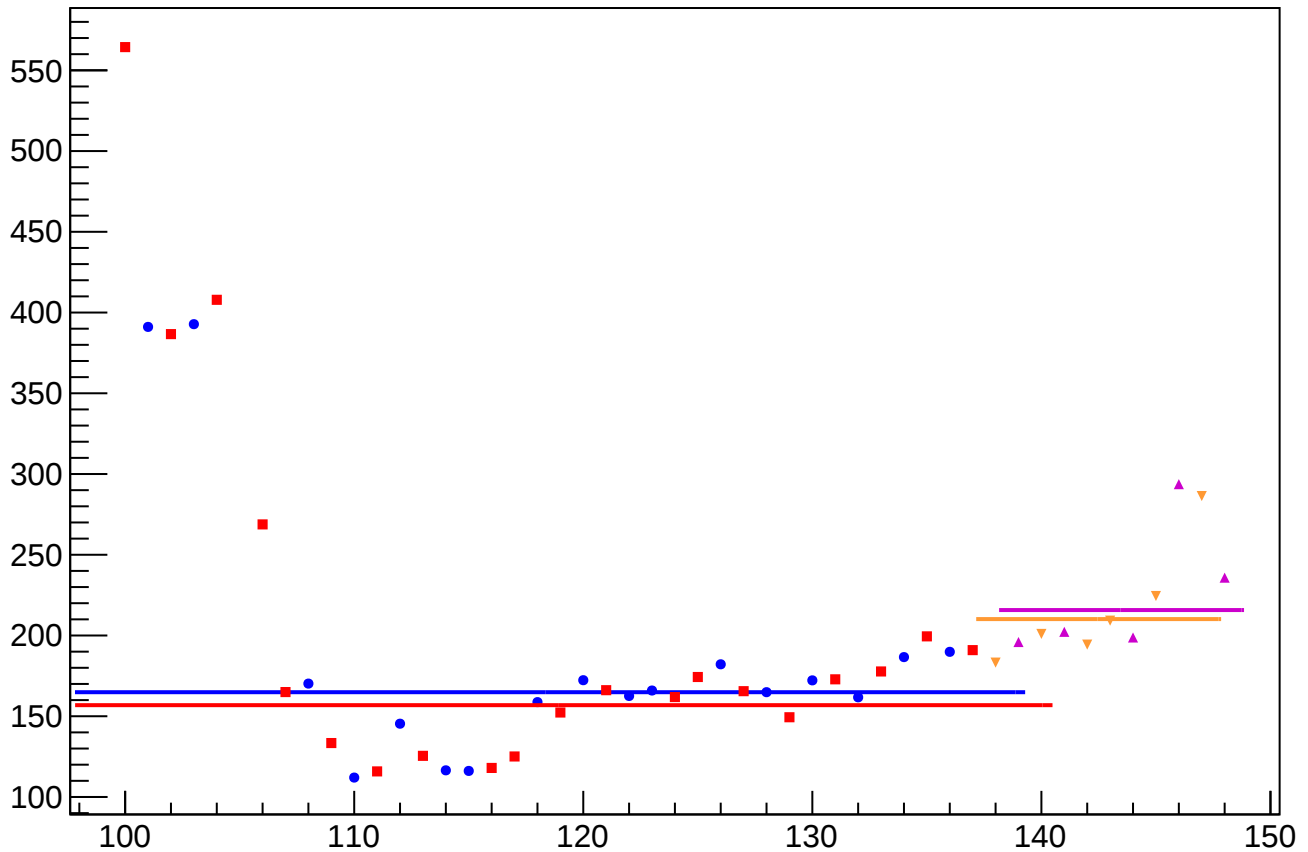
Right Out: 139665.743 $\pm$ 0.063 χ^2 /NDF: 38703726.2/19

Left In: 140189.297 $\pm$ 0.110 χ^2 /NDF: 108876023.3/4

139860.800 $\pm$ 0.057 χ^2 /NDF: 258757501.6/22

139793.451 $\pm$ 0.055 χ^2 /NDF: 164590681.0/24

yield_bpm0l09WS_rms vs Slug



Right In: 164.884+/-0.048 χ^2/NDF : 1066270.8/16

Left Out: 210.164+/-0.074 χ^2/NDF :155757.3/5

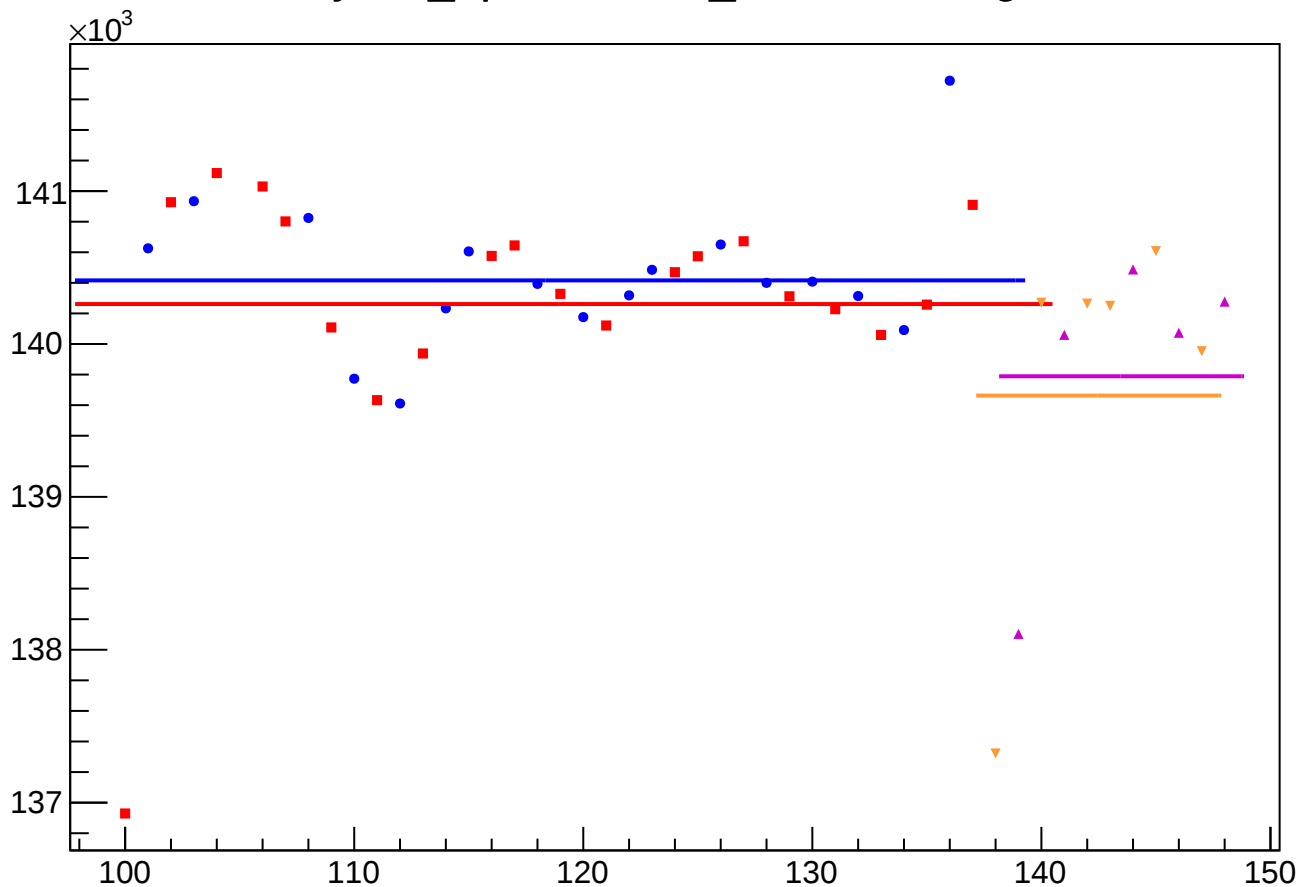
178.148+/-0.040 χ^2/NDF : 1483498.7/22

Right Out: 156.859+/-0.044 χ^2/NDF : 1250656.2/19

171.227+/-0.039 χ^2/NDF : 1835489.3/24

Left In: 215.759+/-0.078 χ^2/NDF :154245.0/4

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 ± 0.068 $\chi^2/\text{NDF}: 69975821.3/16$

Left Out: 139662.588 ± 0.093 $\chi^2/\text{NDF}: 176791902.1/5$

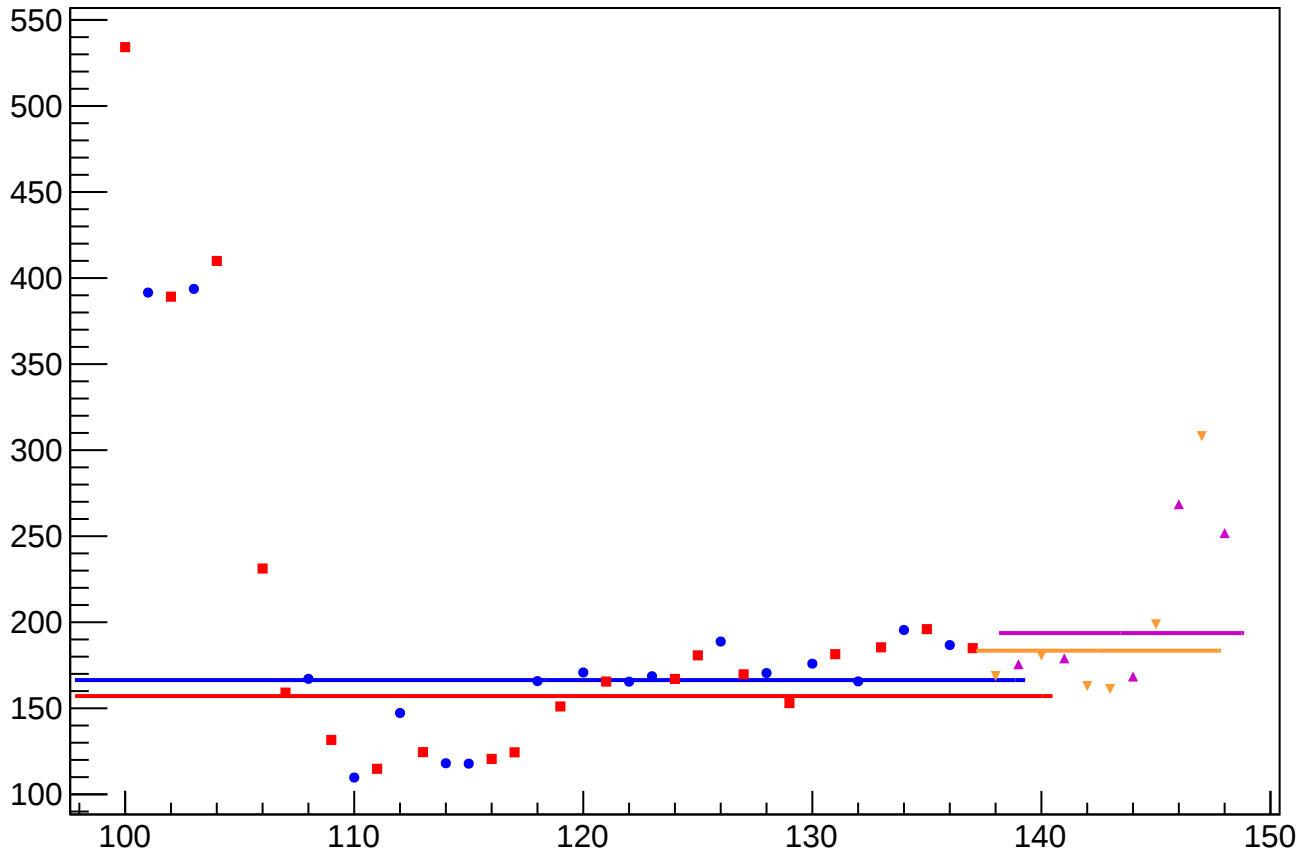
140151.540 ± 0.055 $\chi^2/\text{NDF}: 289376384.8/22$

Right Out: 140261.267 ± 0.063 $\chi^2/\text{NDF}: 38479140.4/19$

140127.137 ± 0.053 $\chi^2/\text{NDF}: 136850600.2/24$

Left In: 139788.830 ± 0.100 $\chi^2/\text{NDF}: 82300956.6/4$

yield_bpm0l10WS_rms vs Slug



Right In: 166.388 ± 0.048 χ^2/NDF : 1080964.8/16

Left Out: 183.477 ± 0.066 χ^2/NDF : 312369.9/5

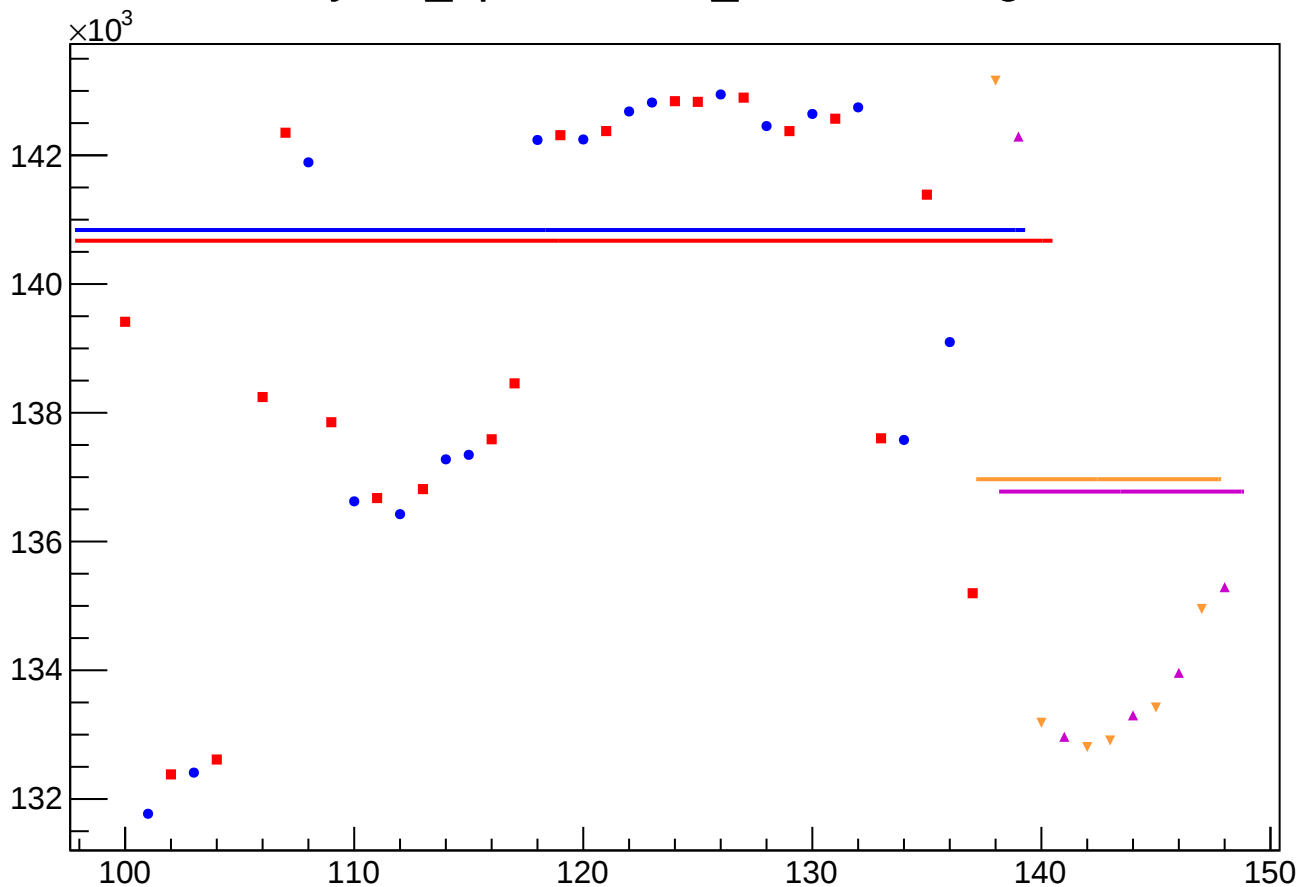
Right Out: 157.110 ± 0.044 χ^2/NDF : 1235934.7/19

Left In: 193.716 ± 0.071 χ^2/NDF : 267929.6/4

172.387 ± 0.039 χ^2/NDF : 1437170.5/22

167.503 ± 0.038 χ^2/NDF : 1696826.8/24

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 ± 0.100 χ^2/NDF : 822682996.3/16

Left Out: 136968.054 ± 0.147 χ^2/NDF : 1044632973.6/5

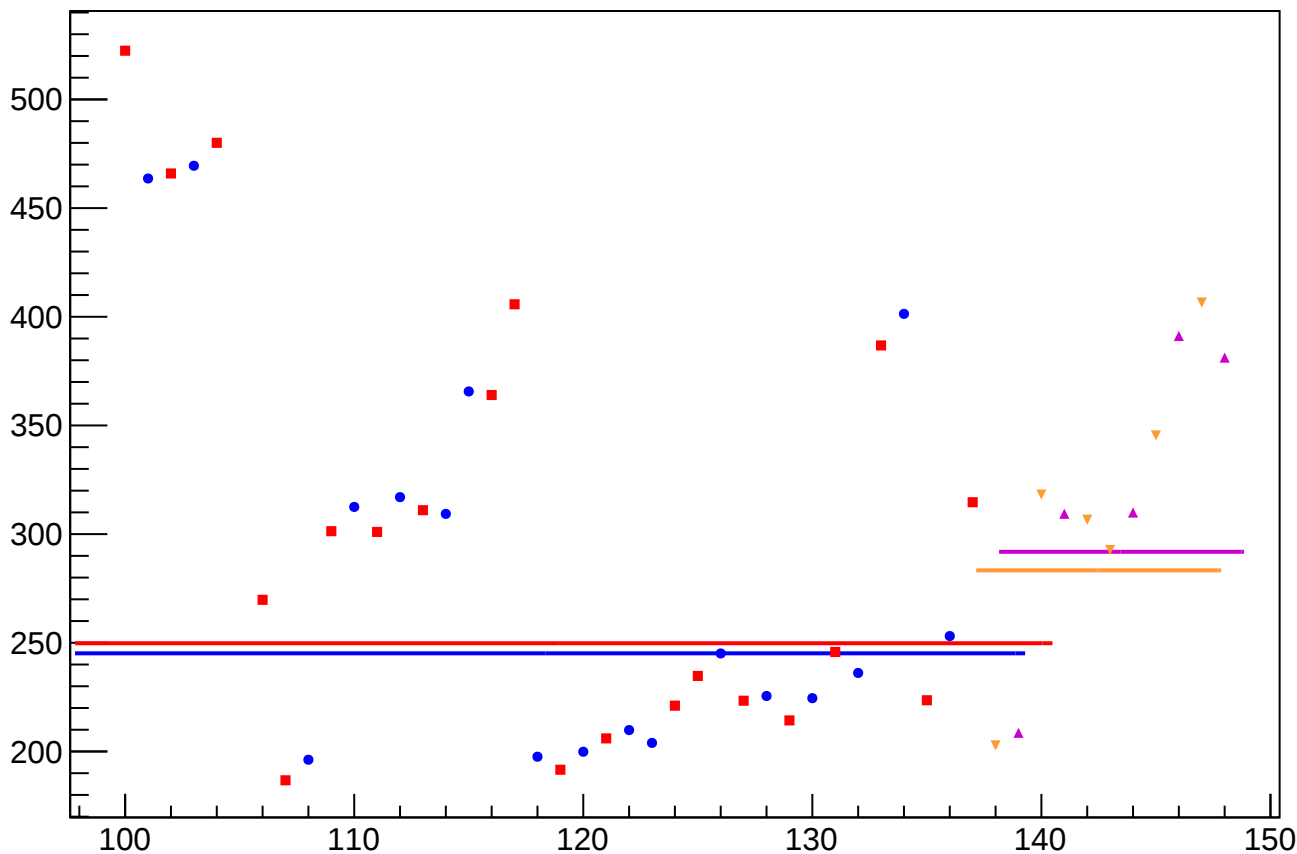
Right Out: 140672.898 ± 0.099 χ^2/NDF : 841965357.5/19

Left In: 136775.965 ± 0.154 χ^2/NDF : 734801630.7/4

139610.239 ± 0.083 χ^2/NDF : 2342919019.3/22

139531.991 ± 0.083 χ^2/NDF : 2030625526.5/24

yield_bpm0r03WS_rms vs Slug



Right In: 245.159 ± 0.071 χ^2/NDF : 869491.6/16

Left Out: 283.321 ± 0.104 χ^2/NDF : 432901.3/5

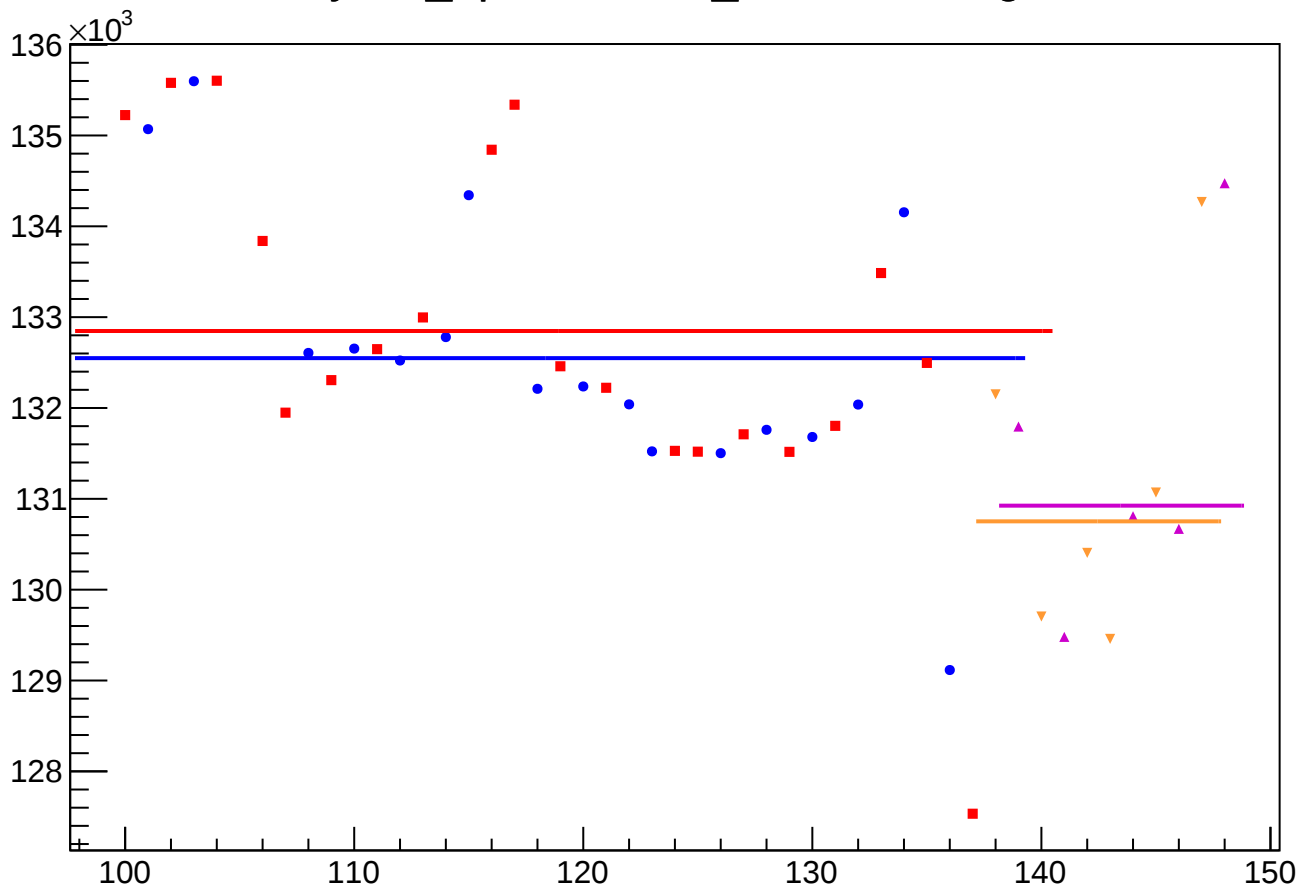
Right Out: 249.792 ± 0.070 χ^2/NDF : 1022316.0/19

Left In: 291.871 ± 0.109 χ^2/NDF : 400495.1/4

257.274 ± 0.058 χ^2/NDF : 1394837.5/22

262.112 ± 0.059 χ^2/NDF : 1528646.9/24

yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 ± 0.119 $\chi^2/\text{NDF}: 161115079.9/16$

Left Out: 130752.154 ± 0.102 $\chi^2/\text{NDF}: 160216113.4/5$

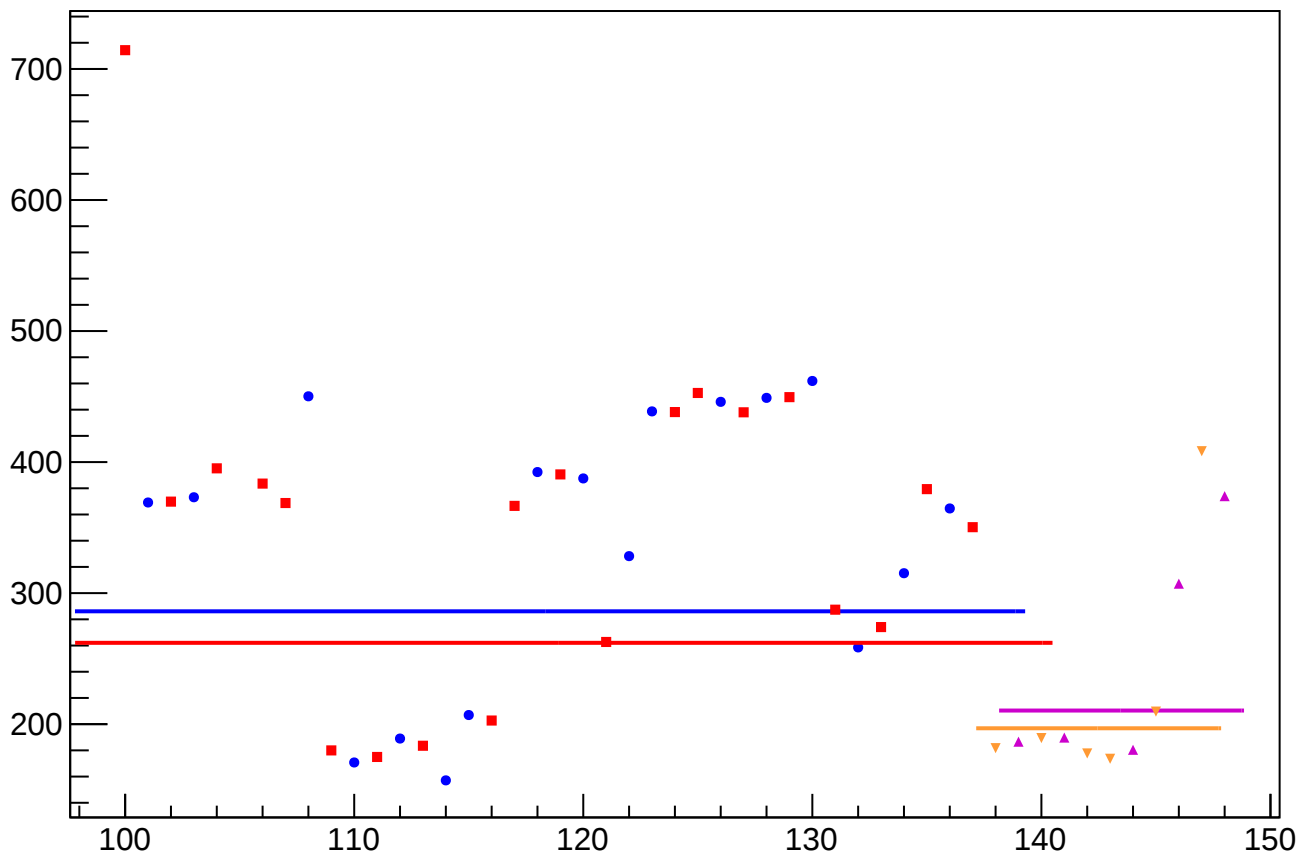
Right Out: 132847.502 ± 0.107 $\chi^2/\text{NDF}: 151618589.4/19$

Left In: 130924.873 ± 0.111 $\chi^2/\text{NDF}: 134411956.4/4$

131507.112 ± 0.077 $\chi^2/\text{NDF}: 452689771.5/22$

131924.618 ± 0.077 $\chi^2/\text{NDF}: 441292033.2/24$

yield_bpm0r05WS_rms vs Slug



Right In: 286.122+/-0.084 χ^2/NDF : 1525266.4/16

Left Out: 196.858+/-0.072 χ^2/NDF : 469111.9/5

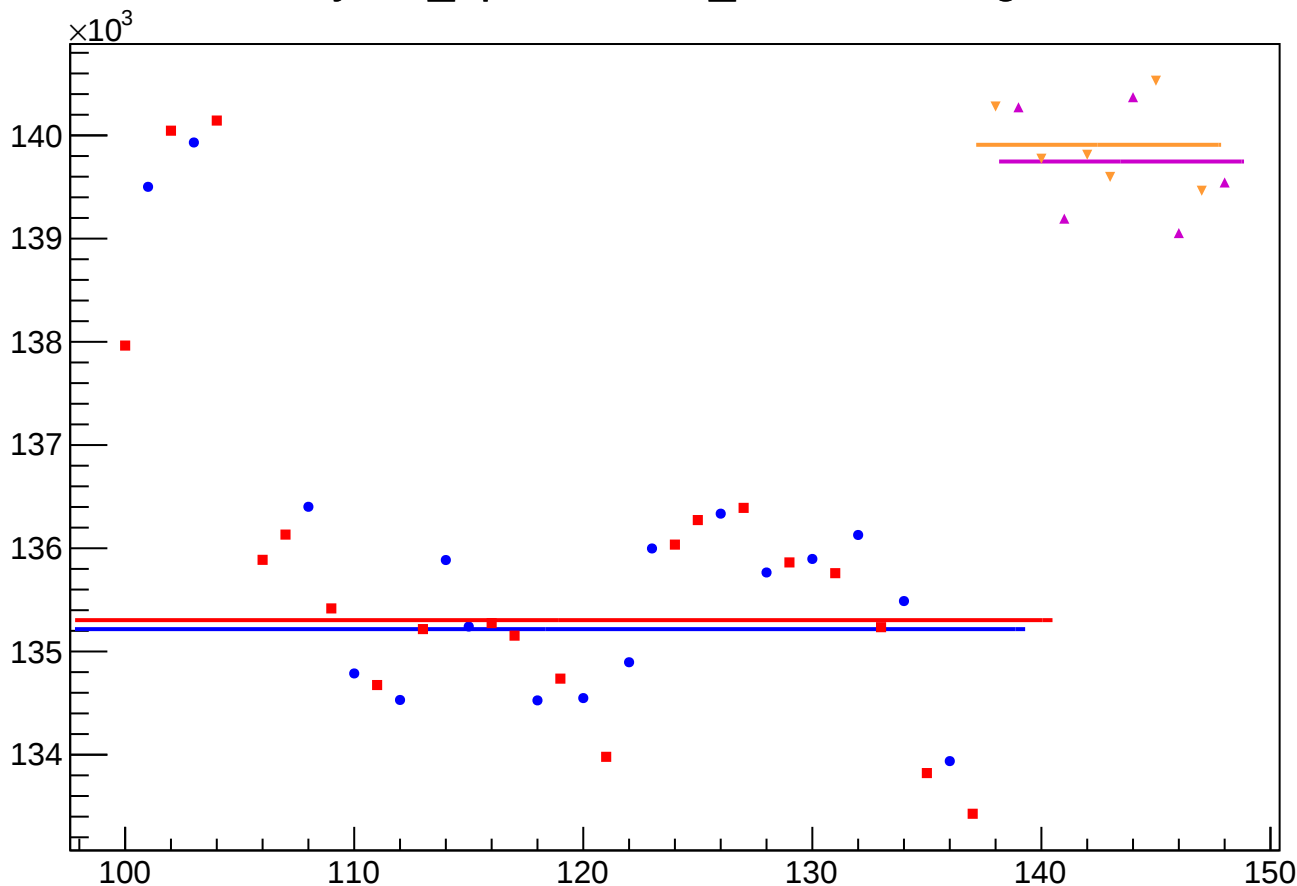
234.365+/-0.055 χ^2/NDF : 2642833.1/22

Right Out: 262.073+/-0.076 χ^2/NDF : 1630239.5/19

237.266+/-0.055 χ^2/NDF : 2393256.9/24

Left In: 210.394+/-0.079 χ^2/NDF : 538671.0/4

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 $\pm$ 0.054 χ^2 /NDF: 371347707.3/16

Left Out: 139908.863 $\pm$ 0.093 χ^2 /NDF:14412597.8/5

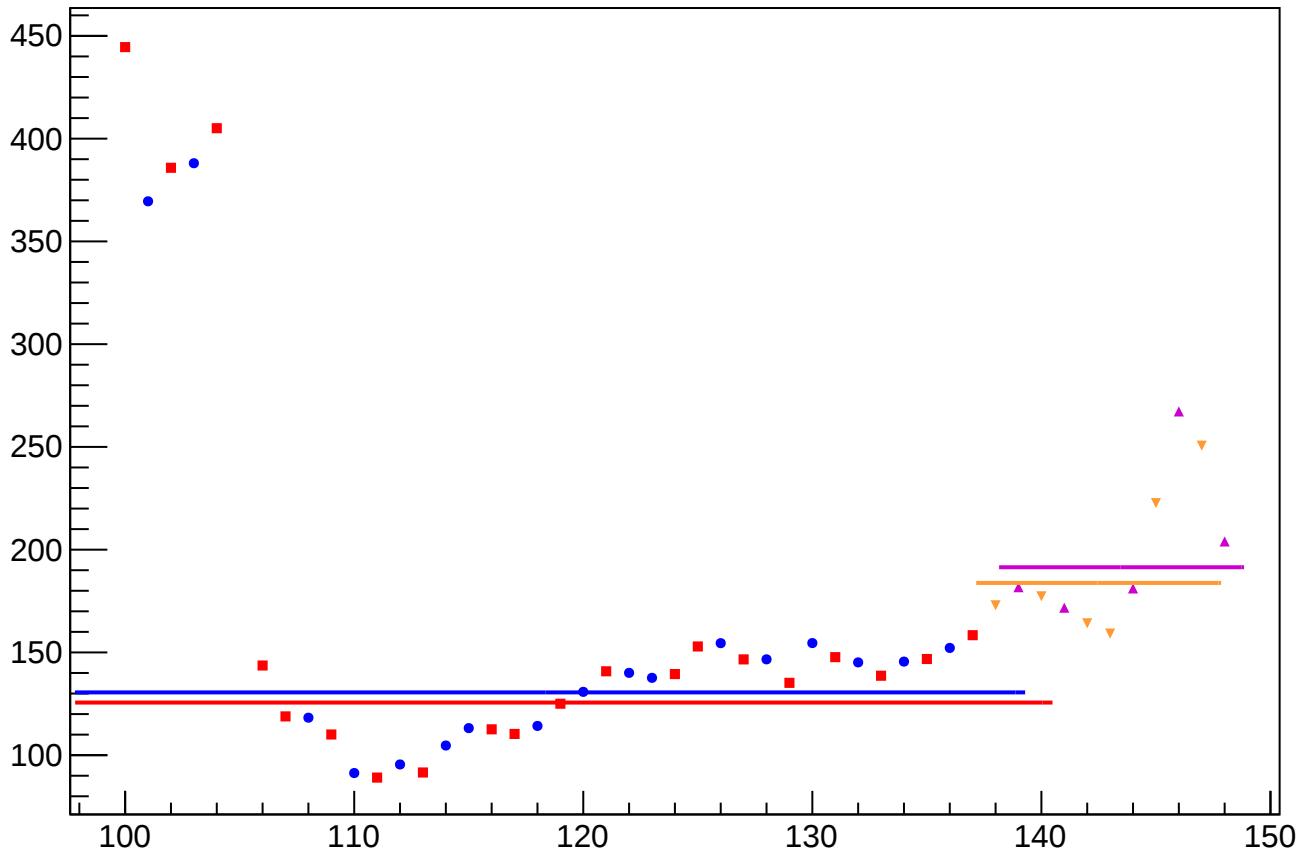
Right Out: 135303.736 $\pm$ 0.051 χ^2 /NDF: 357717935.5/19

Left In: 139746.898 $\pm$ 0.098 χ^2 /NDF:30028680.2/4

136415.016 $\pm$ 0.047 χ^2 /NDF: 2289027637.5/22

136243.487 $\pm$ 0.045 χ^2 /NDF: 1999079774.6/24

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 ± 0.038 $\chi^2/\text{NDF}: 1373104.9/16$

Left Out: 183.823 ± 0.066 $\chi^2/\text{NDF}: 200588.6/5$

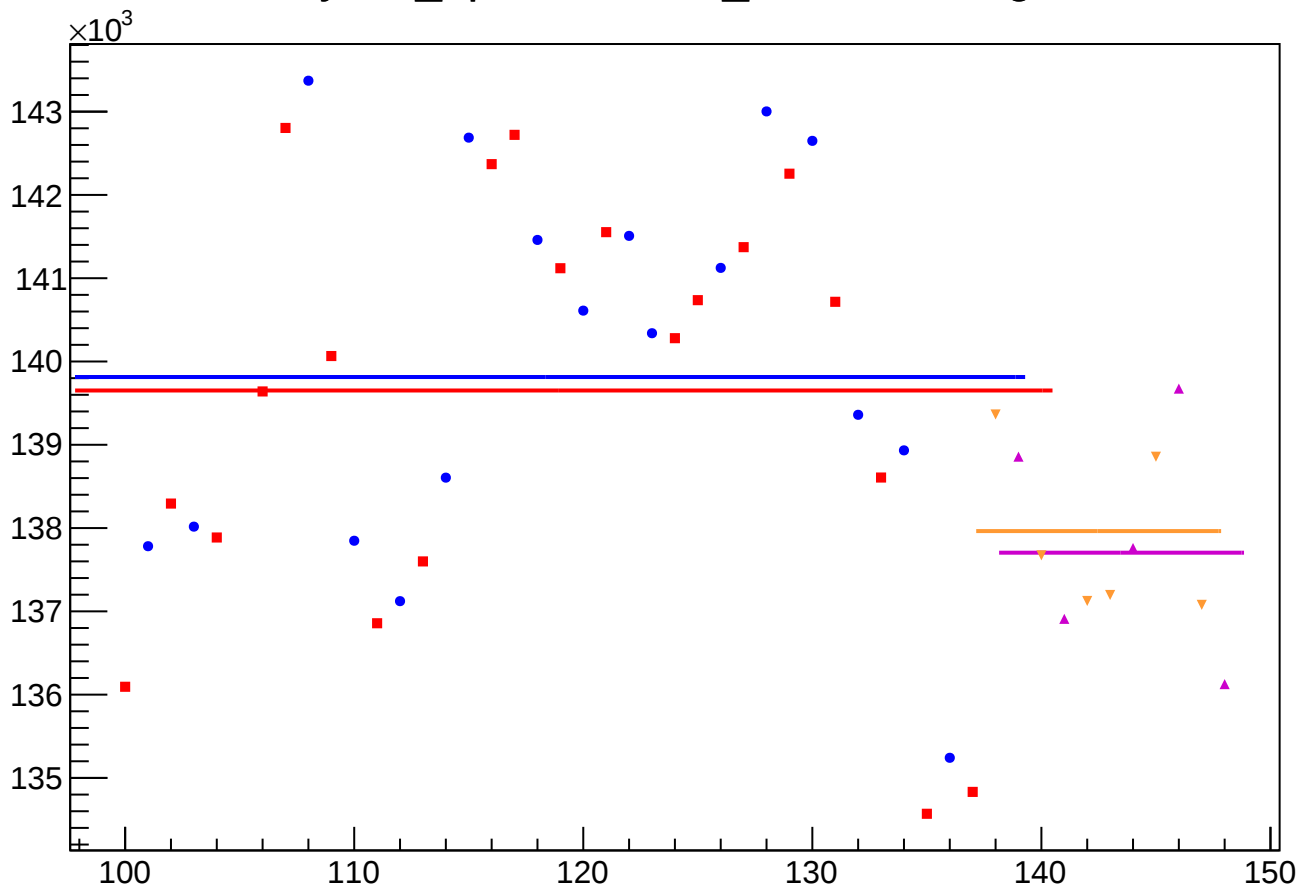
144.157 ± 0.033 $\chi^2/\text{NDF}: 2064315.2/22$

Right Out: 125.603 ± 0.036 $\chi^2/\text{NDF}: 1441677.4/19$

139.529 ± 0.032 $\chi^2/\text{NDF}: 2305678.5/24$

Left In: 191.446 ± 0.069 $\chi^2/\text{NDF}: 156314.2/4$

yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 $\pm$ 0.062 χ^2 /NDF: 1689865533.6/16

Left Out: 137963.755 $\pm$ 0.091 χ^2 /NDF:100285042.1/5

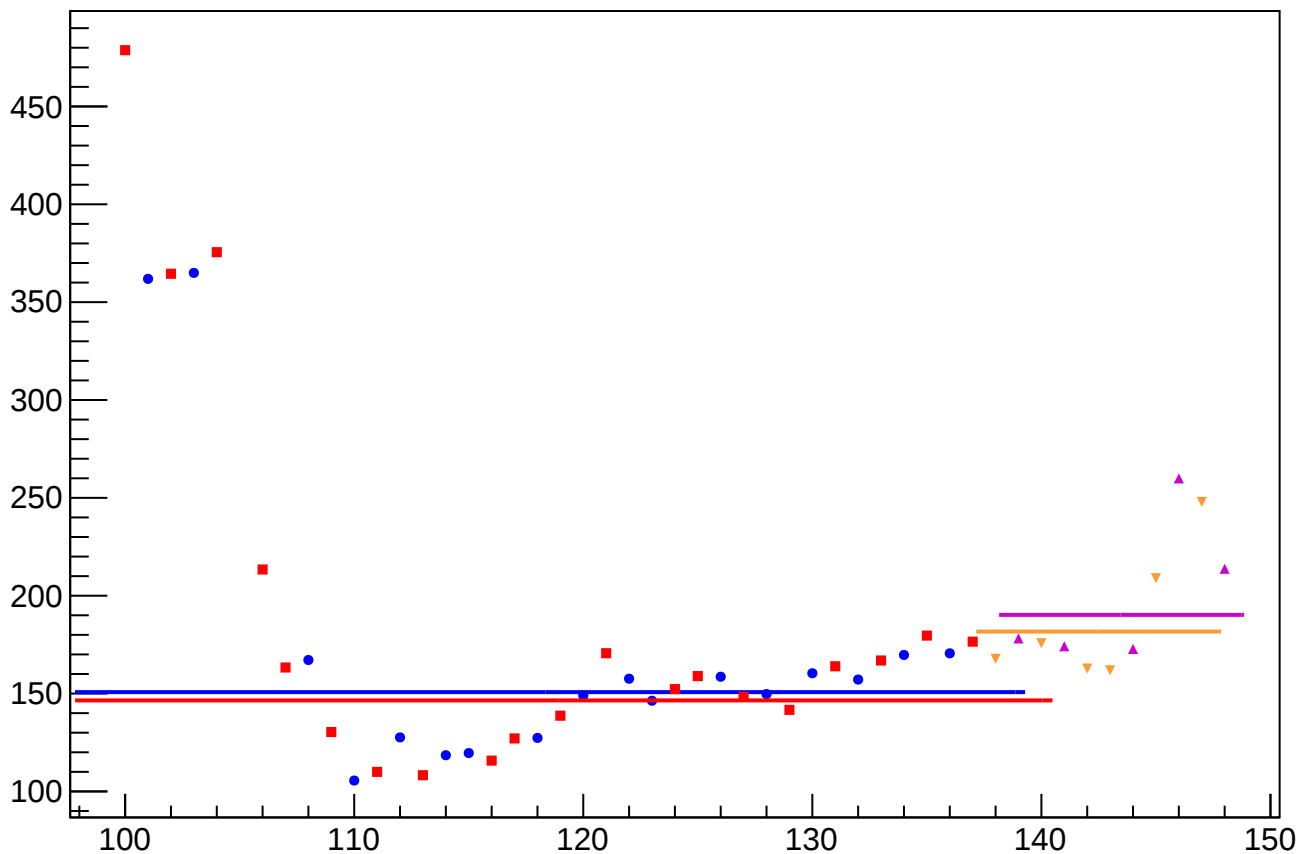
Right Out: 139651.821 $\pm$ 0.059 χ^2 /NDF: 1531019137.4/19

Left In: 137704.361 $\pm$ 0.098 χ^2 /NDF:131695093.4/4

139231.940 $\pm$ 0.051 χ^2 /NDF: 2070804948.8/22

139133.450 $\pm$ 0.050 χ^2 /NDF: 1955212852.7/24

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733 ± 0.044 χ^2/NDF : 1050071.6/16

Left Out: 181.691 ± 0.065 χ^2/NDF : 176495.7/5

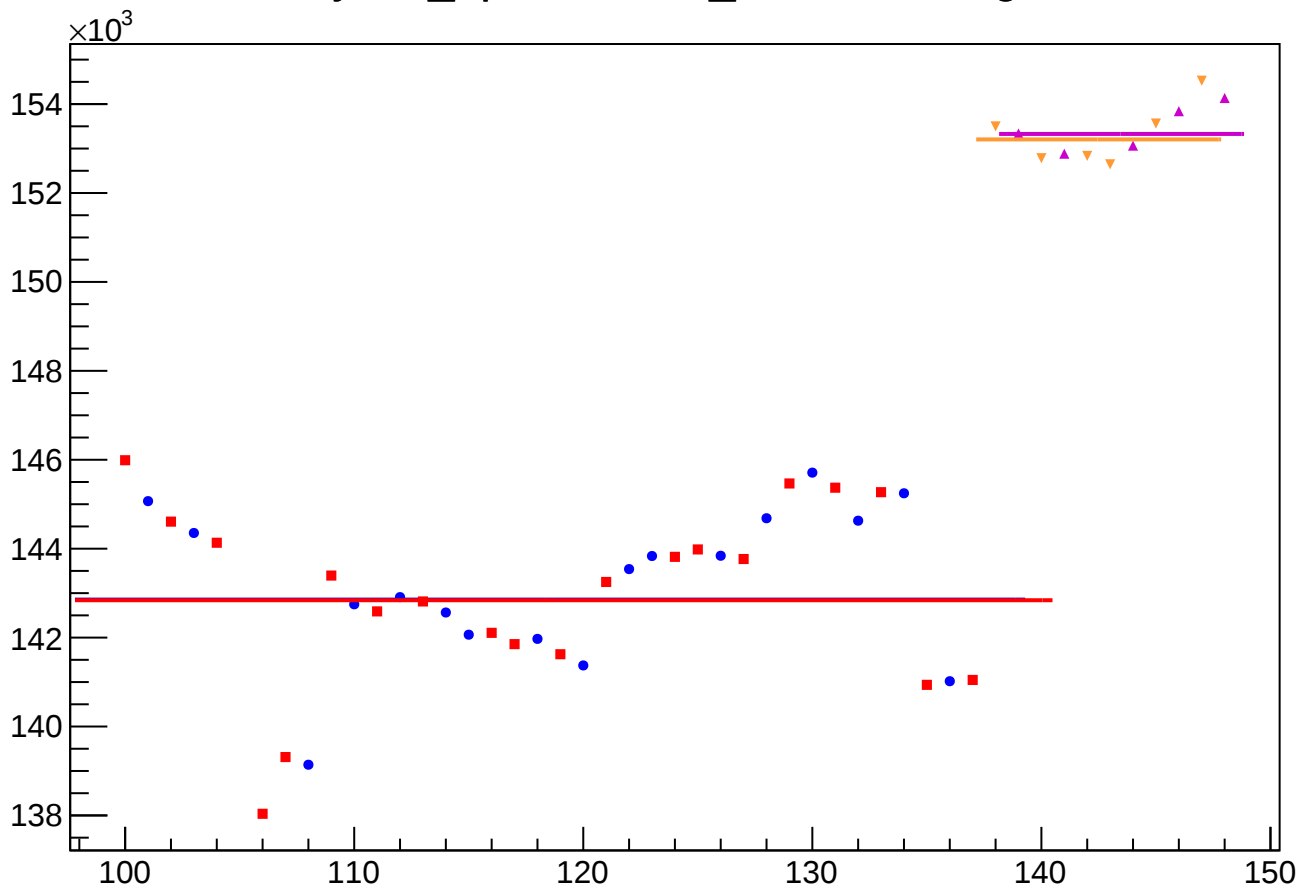
Right Out: 146.506 ± 0.042 χ^2/NDF : 1205131.2/19

Left In: 190.216 ± 0.069 χ^2/NDF : 166270.9/4

160.468 ± 0.036 χ^2/NDF : 1383764.2/22

158.140 ± 0.036 χ^2/NDF : 1666097.7/24

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065 χ^2 /NDF: 740367386.5/16

Left Out: 153205.476 $\pm$ 0.093 χ^2 /NDF: 39105679.5/5

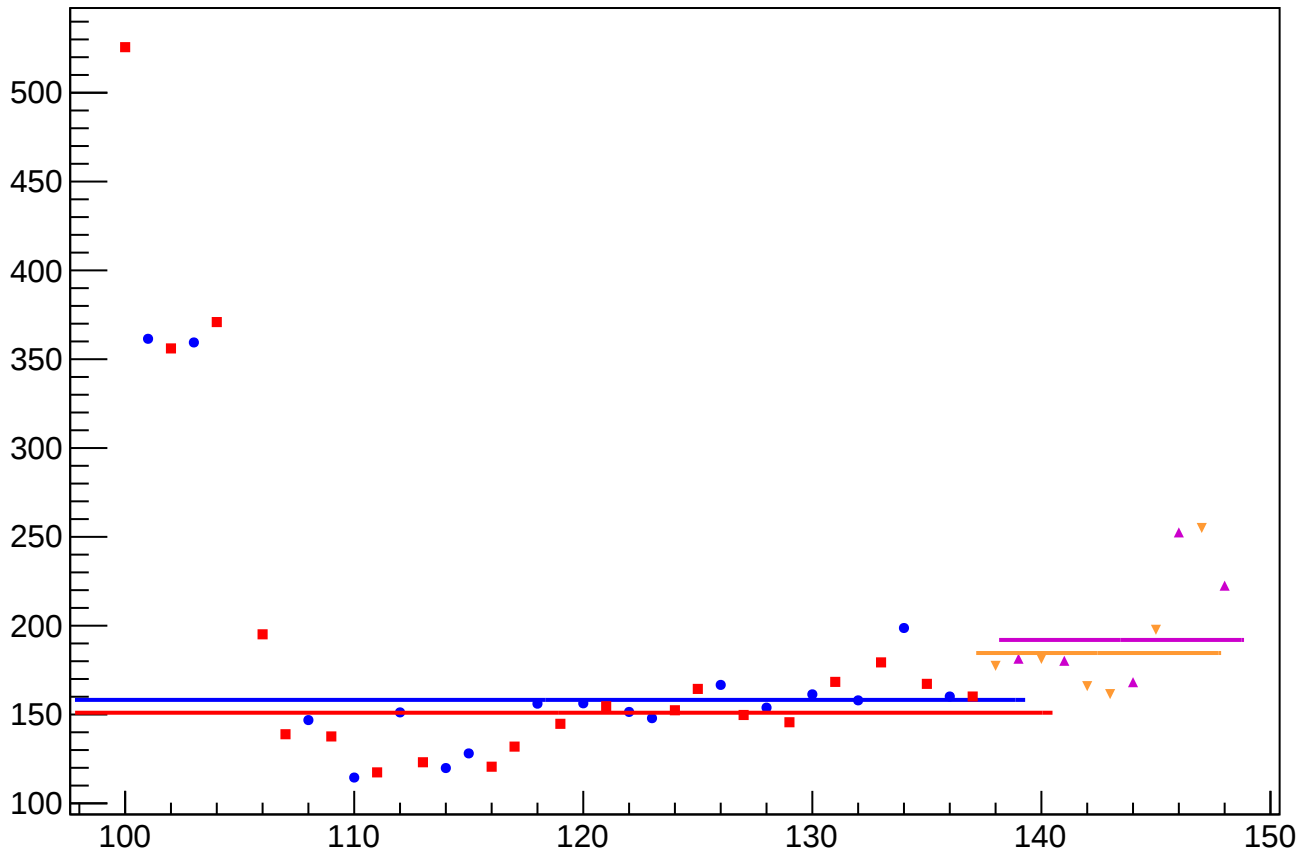
Right Out: 142840.509 $\pm$ 0.060 χ^2 /NDF: 852484333.4/19

Left In: 153328.668 $\pm$ 0.098 χ^2 /NDF: 20650843.2/4

146240.393 $\pm$ 0.053 χ^2 /NDF: 9162276752.0/22

145705.660 $\pm$ 0.051 χ^2 /NDF: 9185161814.0/24

yield_bpm0i05WS_rms vs Slug



Right In: 158.233 ± 0.046 χ^2/NDF : 883513.4/16

Left Out: 184.617 ± 0.066 χ^2/NDF : 164444.2/5

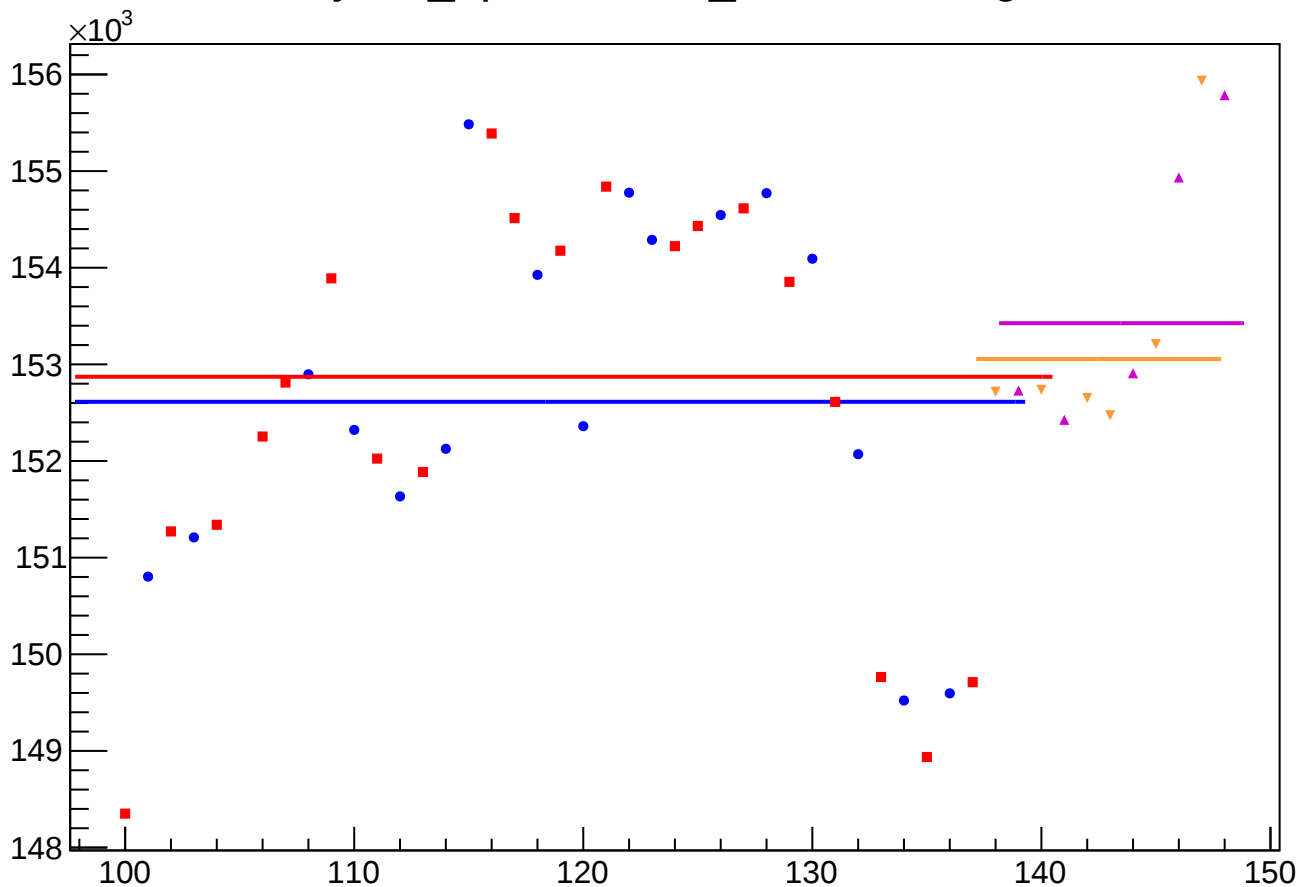
Right Out: 151.003 ± 0.043 χ^2/NDF : 1005104.9/19

Left In: 191.980 ± 0.069 χ^2/NDF : 164730.0/4

166.864 ± 0.038 χ^2/NDF : 1156886.1/22

162.197 ± 0.036 χ^2/NDF : 1423589.1/24

yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072 χ^2 /NDF: 621416187.4/16

Left Out: 153055.977 $\pm$ 0.092 χ^2 /NDF: 110856735.0/5

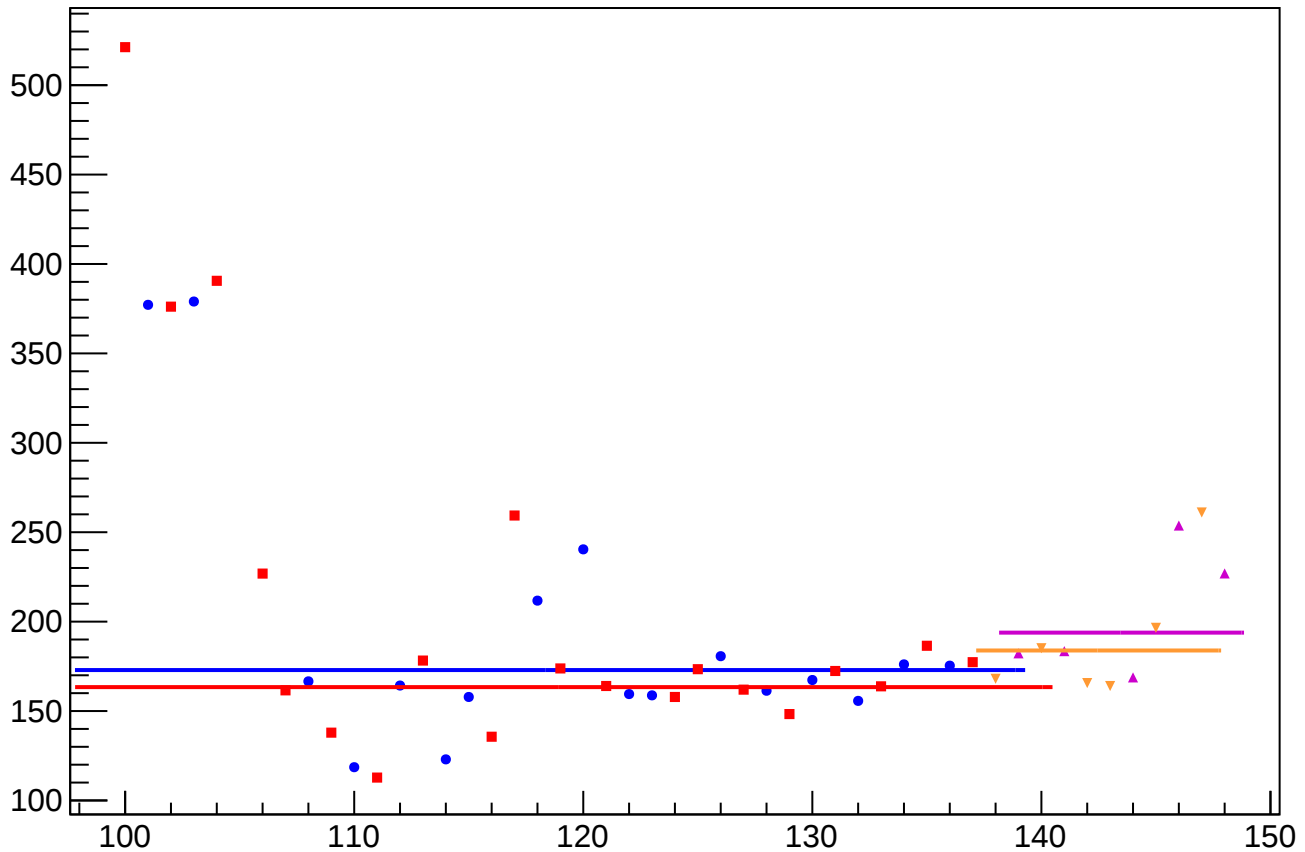
Right Out: 152871.618 $\pm$ 0.066 χ^2 /NDF: 720639345.6/19

Left In: 153426.082 $\pm$ 0.099 χ^2 /NDF: 155108996.0/4

152780.997 $\pm$ 0.057 χ^2 /NDF: 746611278.3/22

153042.942 $\pm$ 0.055 χ^2 /NDF: 897468457.7/24

yield_bpm0i07WS_rms vs Slug



Right In: 172.921+/-0.051 χ^2/NDF : 941954.0/16

Left Out: 183.866+/-0.065 χ^2/NDF :184003.5/5

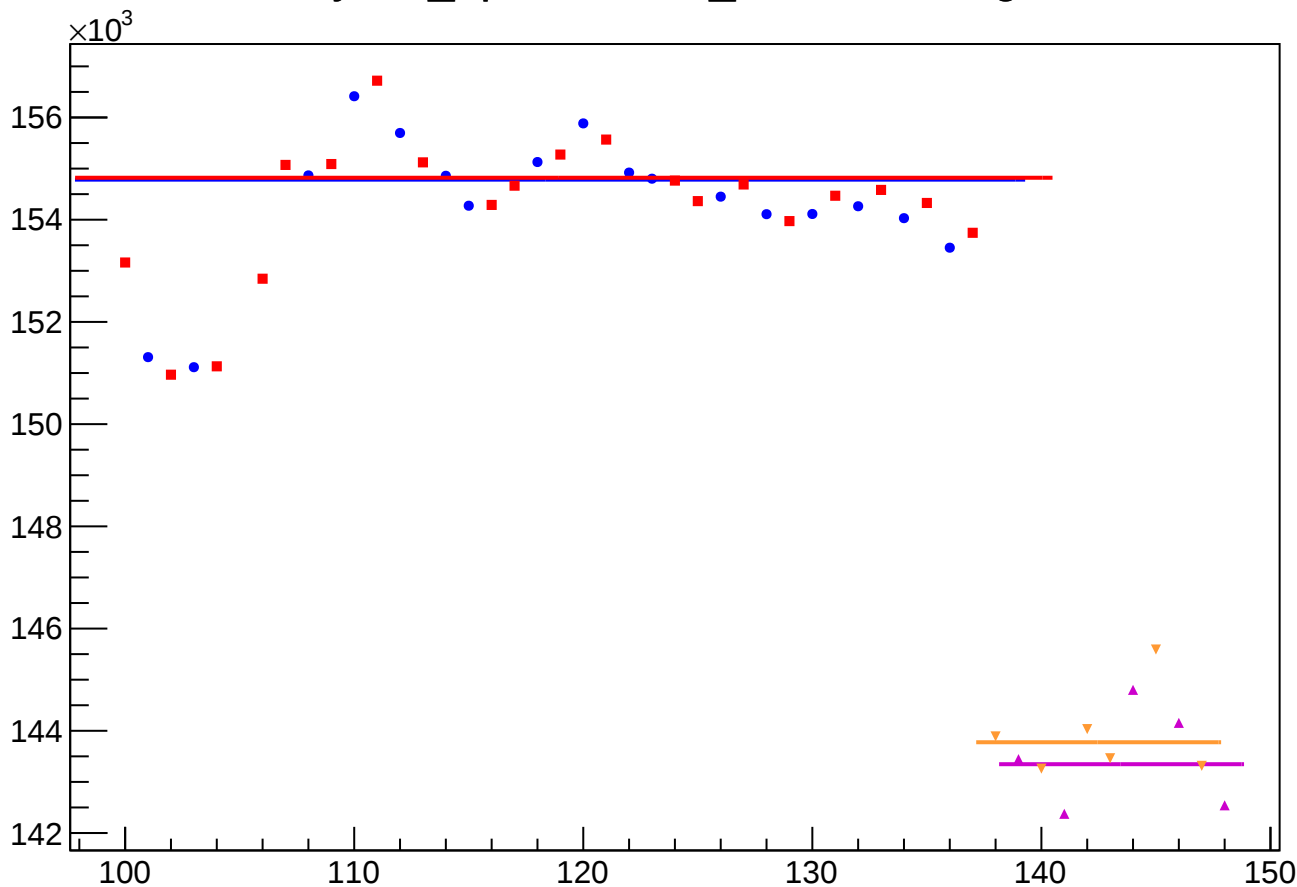
Right Out: 163.382+/-0.047 χ^2/NDF : 1044431.2/19

Left In: 193.848+/-0.070 χ^2/NDF :168965.9/4

177.078+/-0.040 χ^2/NDF : 1143430.5/22

172.795+/-0.039 χ^2/NDF : 1344551.3/24

yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 ± 0.065 χ^2/NDF : 265581398.0/16

Left Out: 143776.008 ± 0.086 χ^2/NDF : 69164454.5/5

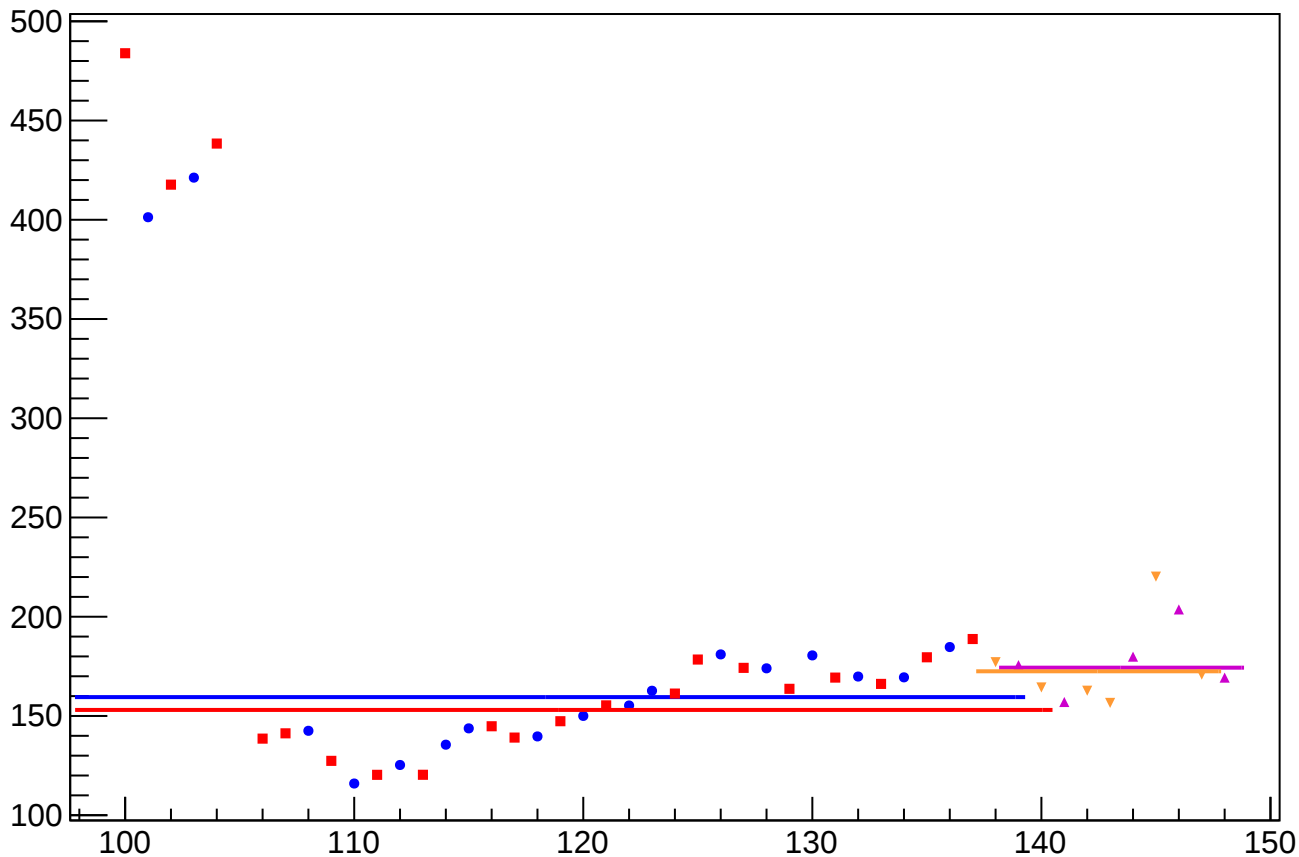
Right Out: 154820.824 ± 0.061 χ^2/NDF : 293904936.4/19

Left In: 143346.585 ± 0.088 χ^2/NDF : 118270638.4/4

150730.856 ± 0.052 χ^2/NDF : 10776225484.0/2

151126.761 ± 0.050 χ^2/NDF : 11940393578.4/2

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 172.508 $\pm$ 0.061 χ^2 /NDF:93311.7/5

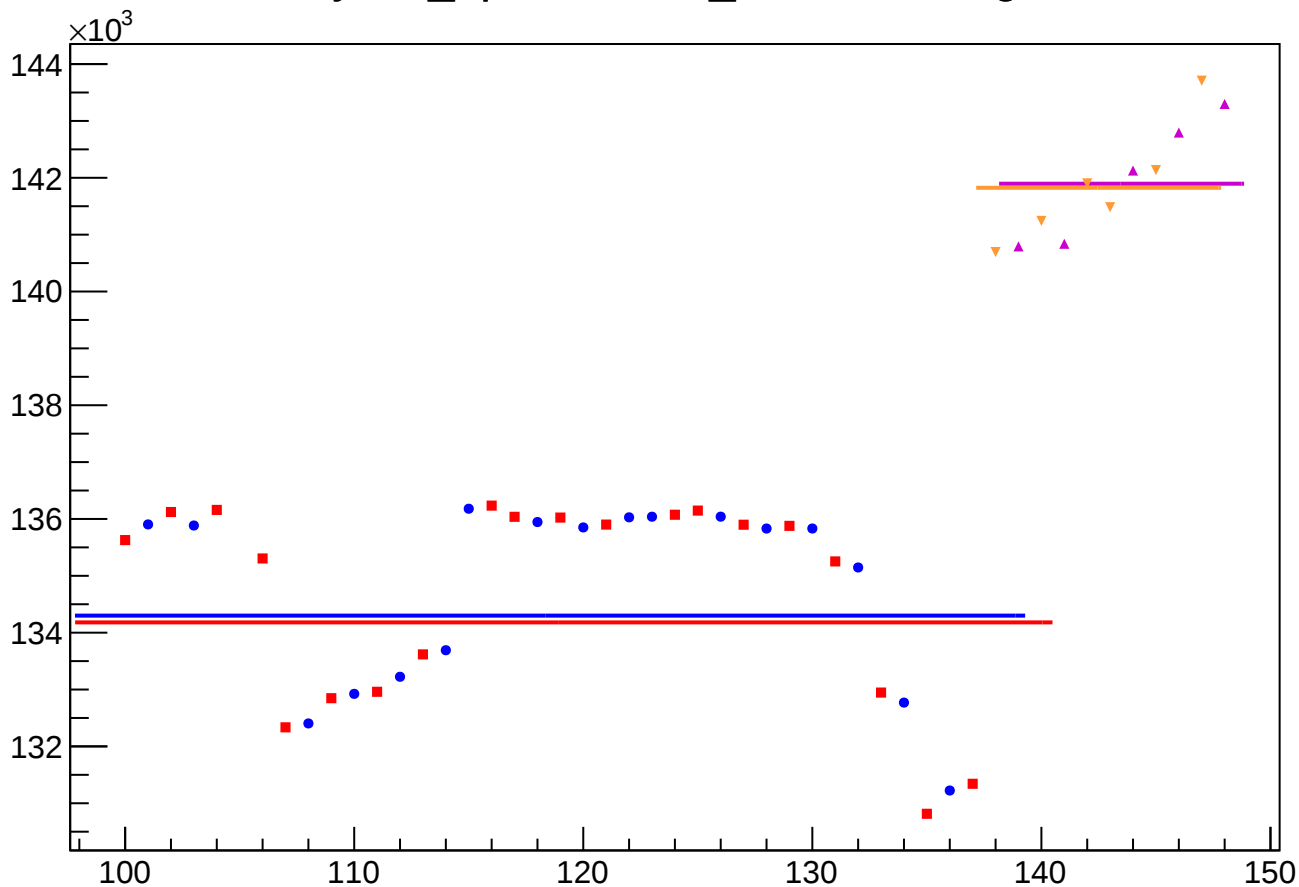
164.292 $\pm$ 0.037 χ^2 /NDF: 1254299.4/22

Right Out: 153.038 $\pm$ 0.043 χ^2 /NDF: 1174616.4/19

159.894 $\pm$ 0.035 χ^2 /NDF: 1310005.9/24

Left In: 174.334 $\pm$ 0.062 χ^2 /NDF:55966.6/4

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 $\pm$ 0.050 χ^2 /NDF: 1149581803.2/16

Left Out: 141824.334 $\pm$ 0.084 χ^2 /NDF: 137736835.3/5

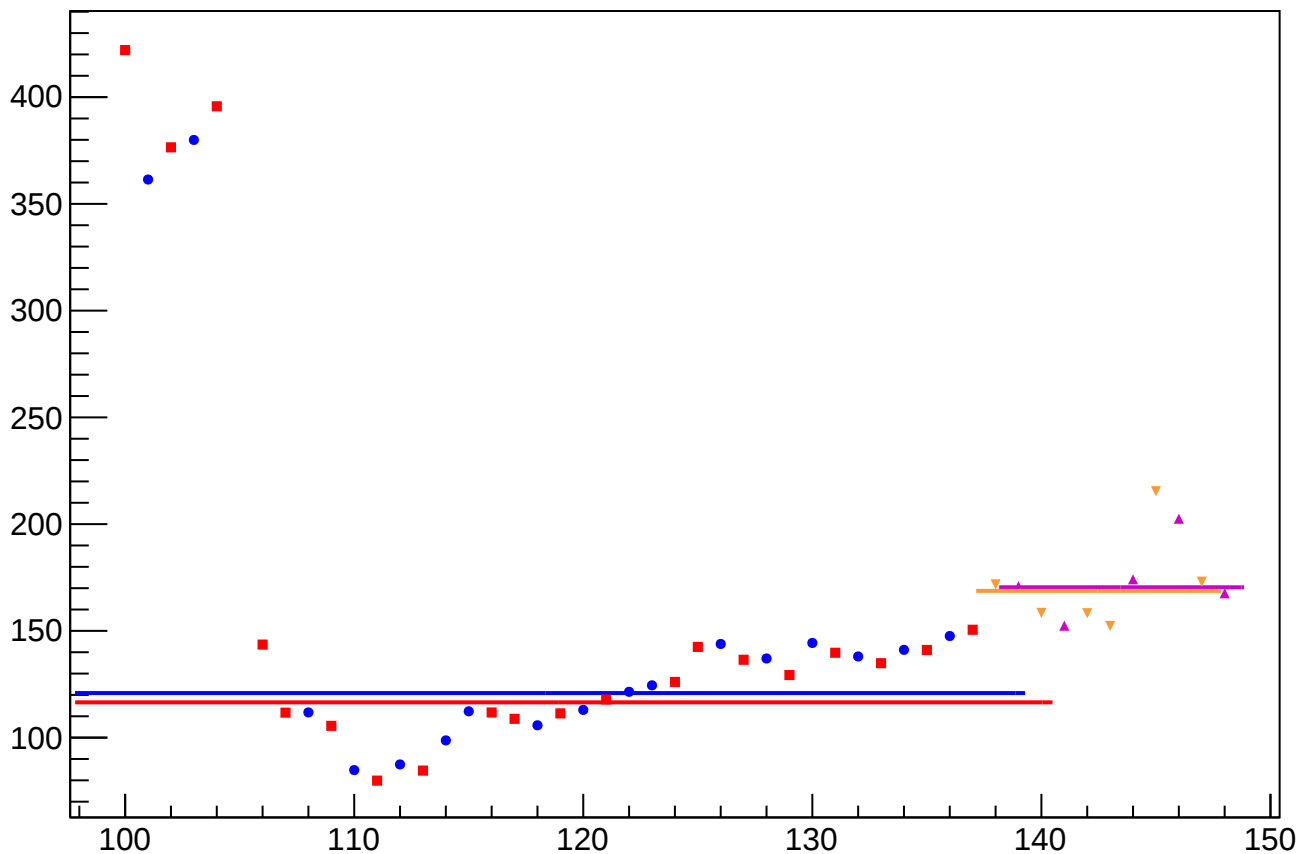
Right Out: 134180.888 $\pm$ 0.047 χ^2 /NDF: 1224202240.2/19

Left In: 141896.098 $\pm$ 0.086 χ^2 /NDF: 141202929.7/4

136291.985 $\pm$ 0.043 χ^2 /NDF: 7201339655.9/22

135960.252 $\pm$ 0.041 χ^2 /NDF: 7527610065.1/24

yield_bpm1i04WS_rms vs Slug



Right In: 120.872 $\pm$ 0.036 χ^2 /NDF: 1463728.4/16

133.546 $\pm$ 0.031 χ^2 /NDF: 2041112.1/22

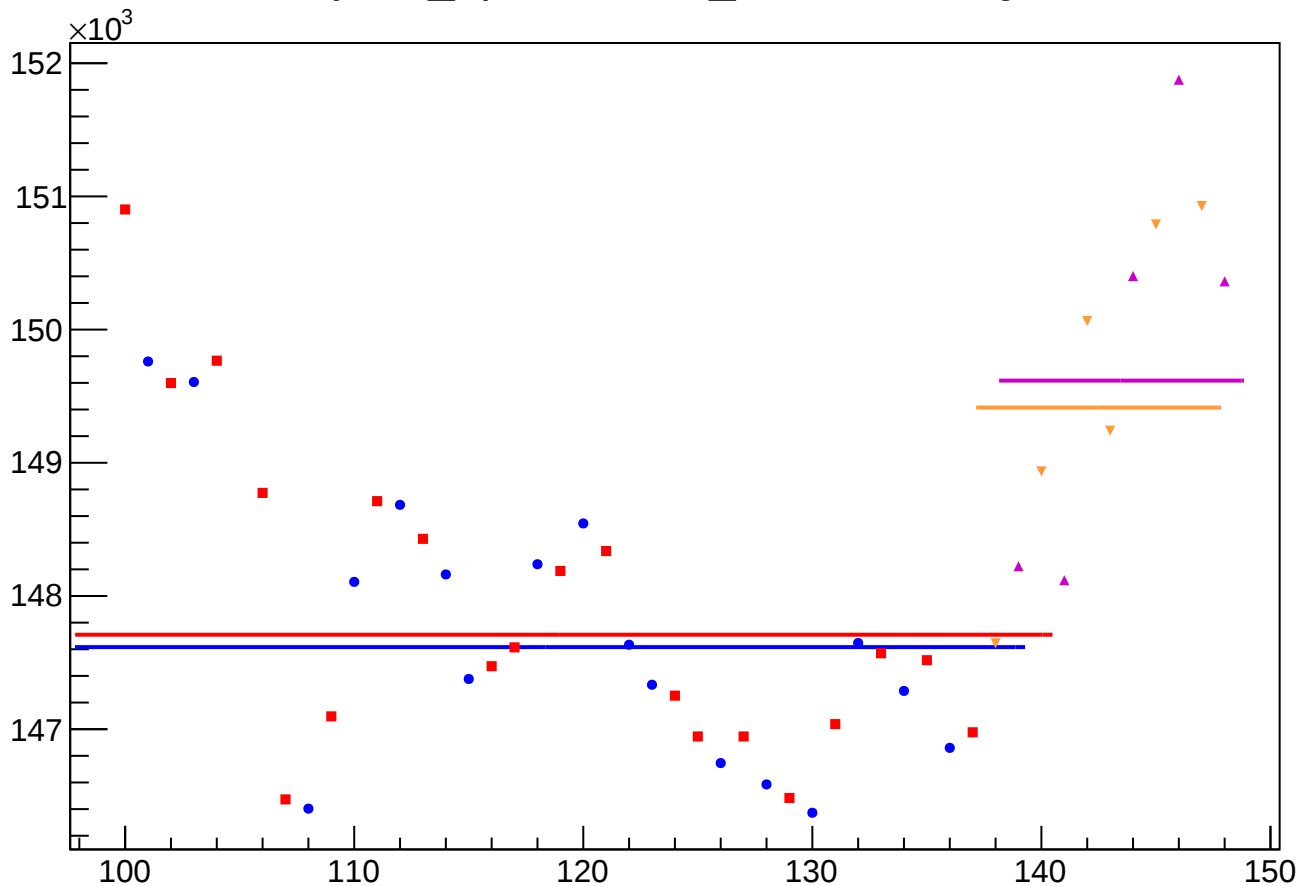
Left Out: 168.744 $\pm$ 0.059 χ^2 /NDF: 98609.8/5

Right Out: 116.531 $\pm$ 0.033 χ^2 /NDF: 1541779.4/19

128.961 $\pm$ 0.029 χ^2 /NDF: 2207036.0/24

Left In: 170.428 $\pm$ 0.061 χ^2 /NDF: 63810.9/4

yield_bpm1i06WS_mean vs Slug



Right In: 147616.150+/-0.062 χ^2/NDF : 199263428.7/16

Left Out: 149414.637+/-0.103 χ^2/NDF : 120519459.8/5

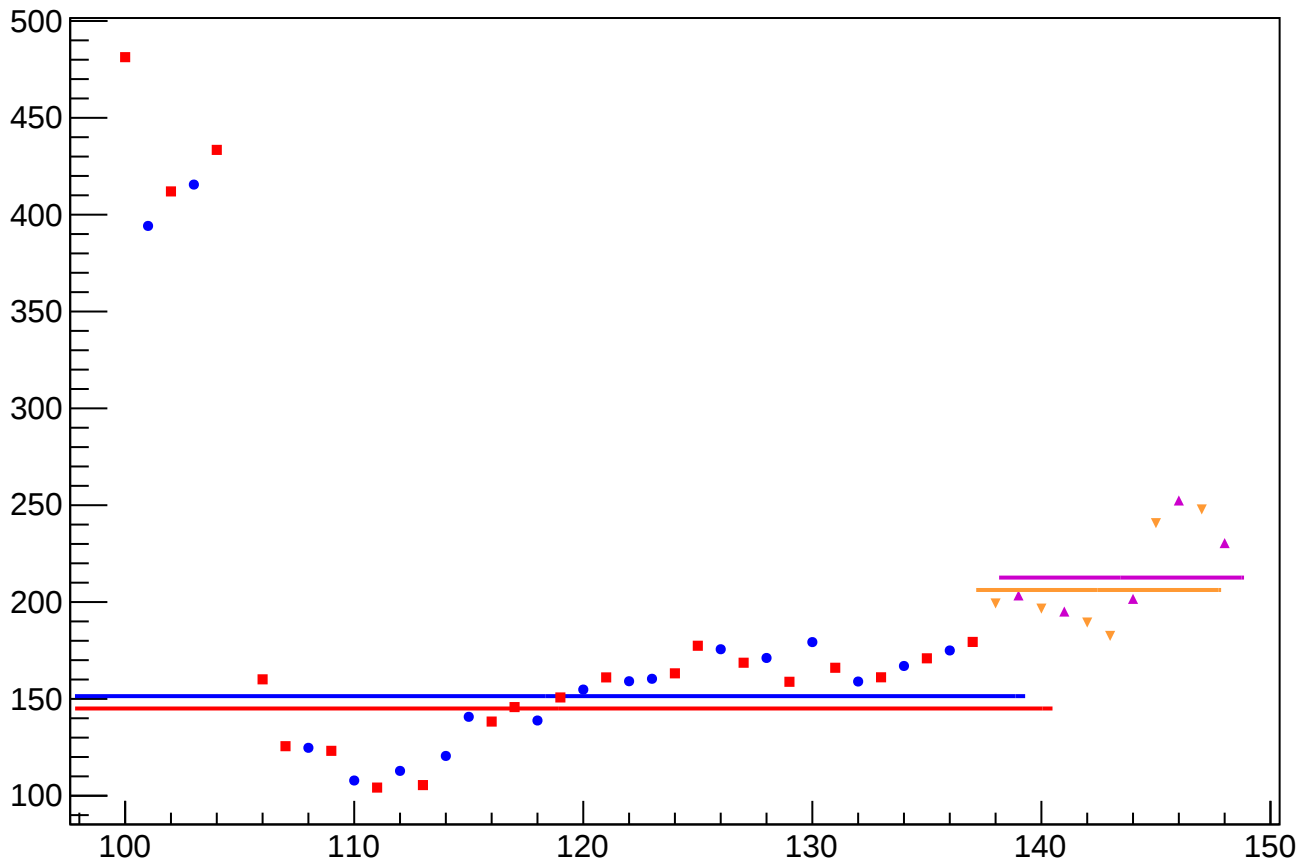
Right Out: 147709.096+/-0.058 χ^2/NDF : 203924272.1/19

Left In: 149617.040+/-0.107 χ^2/NDF : 165827803.0/4

148103.253+/-0.053 χ^2/NDF : 544169707.0/22

148141.630+/-0.051 χ^2/NDF : 613937680.0/24

yield_bpm1i06WS_rms vs Slug



Right In: 151.424 ± 0.044 χ^2/NDF : 1257843.0/16

Left Out: 206.233 ± 0.072 χ^2/NDF : 109360.5/5

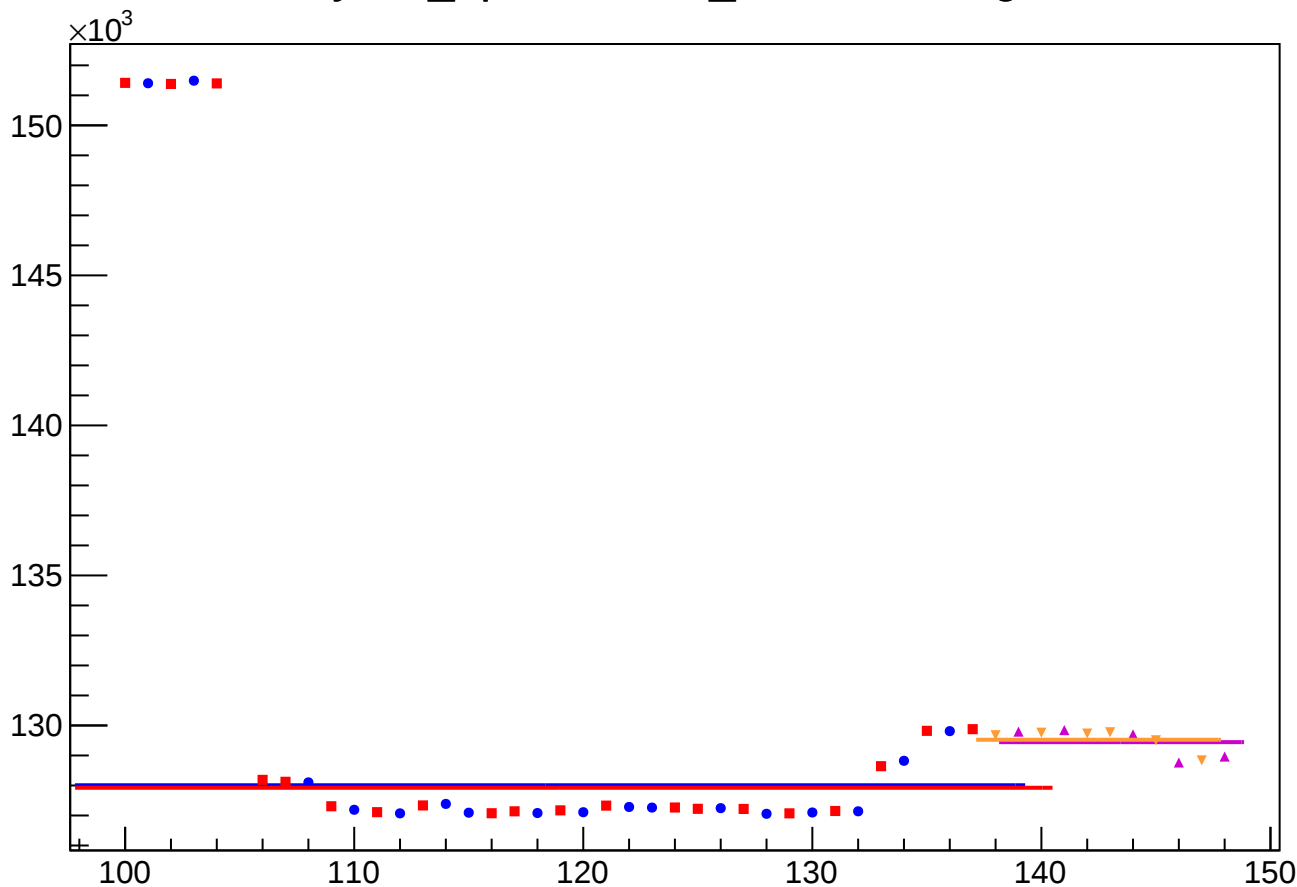
Right Out: 145.044 ± 0.041 χ^2/NDF : 1375974.1/19

Left In: 212.630 ± 0.076 χ^2/NDF : 70347.2/4

166.269 ± 0.038 χ^2/NDF : 1784000.2/22

160.366 ± 0.036 χ^2/NDF : 2059137.7/24

yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16

Left Out: 129524.153 $\pm$ 0.084 χ^2 /NDF: 18423554.4/5

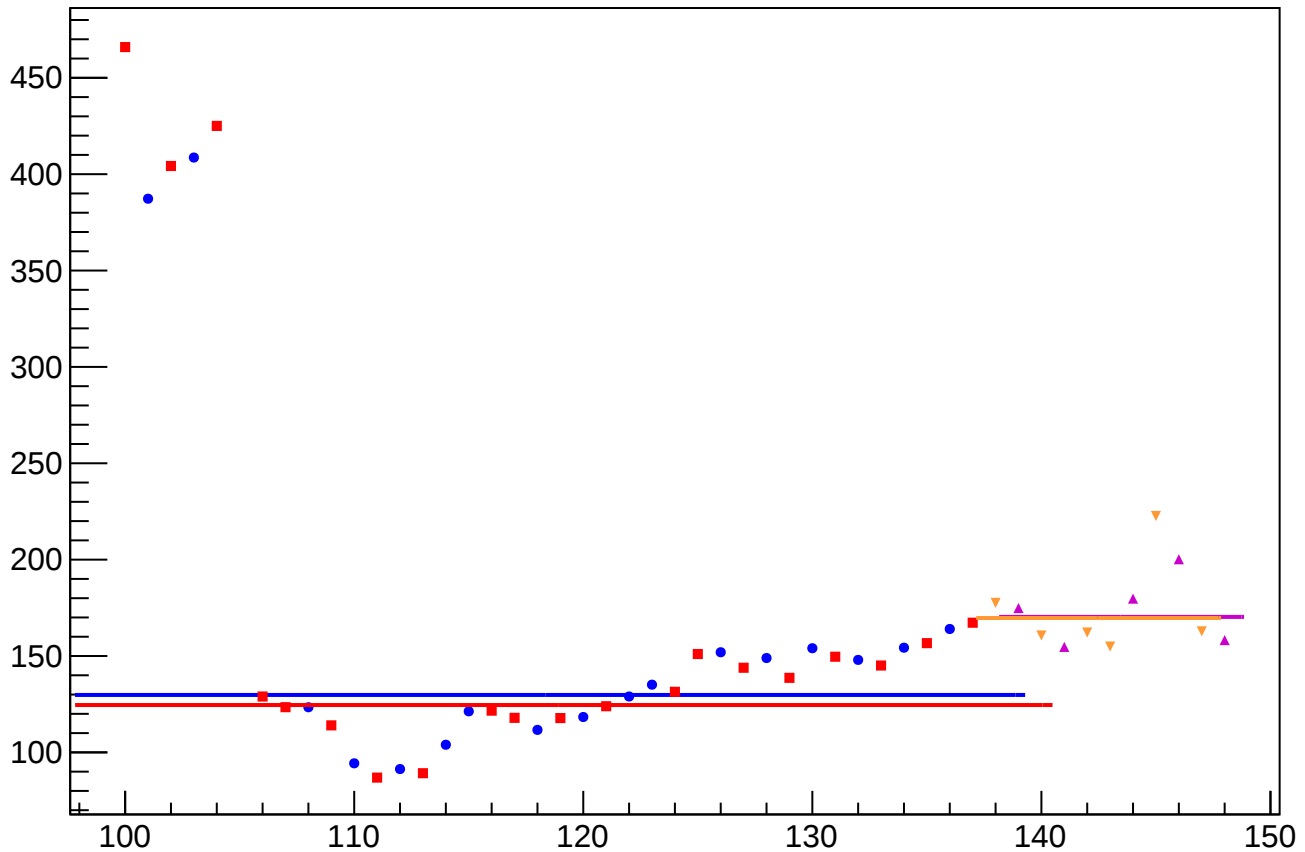
Right Out: 127923.940 $\pm$ 0.050 χ^2 /NDF: 3770107280.1/19

Left In: 129444.328 $\pm$ 0.086 χ^2 /NDF: 26497979.1/4

128449.727 $\pm$ 0.046 χ^2 /NDF: 4567258903.2/22

128309.573 $\pm$ 0.043 χ^2 /NDF: 4029417212.6/24

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 $\pm$ 0.038 χ^2 /NDF: 1485294.2/16

Left Out: 169.712 $\pm$ 0.060 χ^2 /NDF:110789.0/5

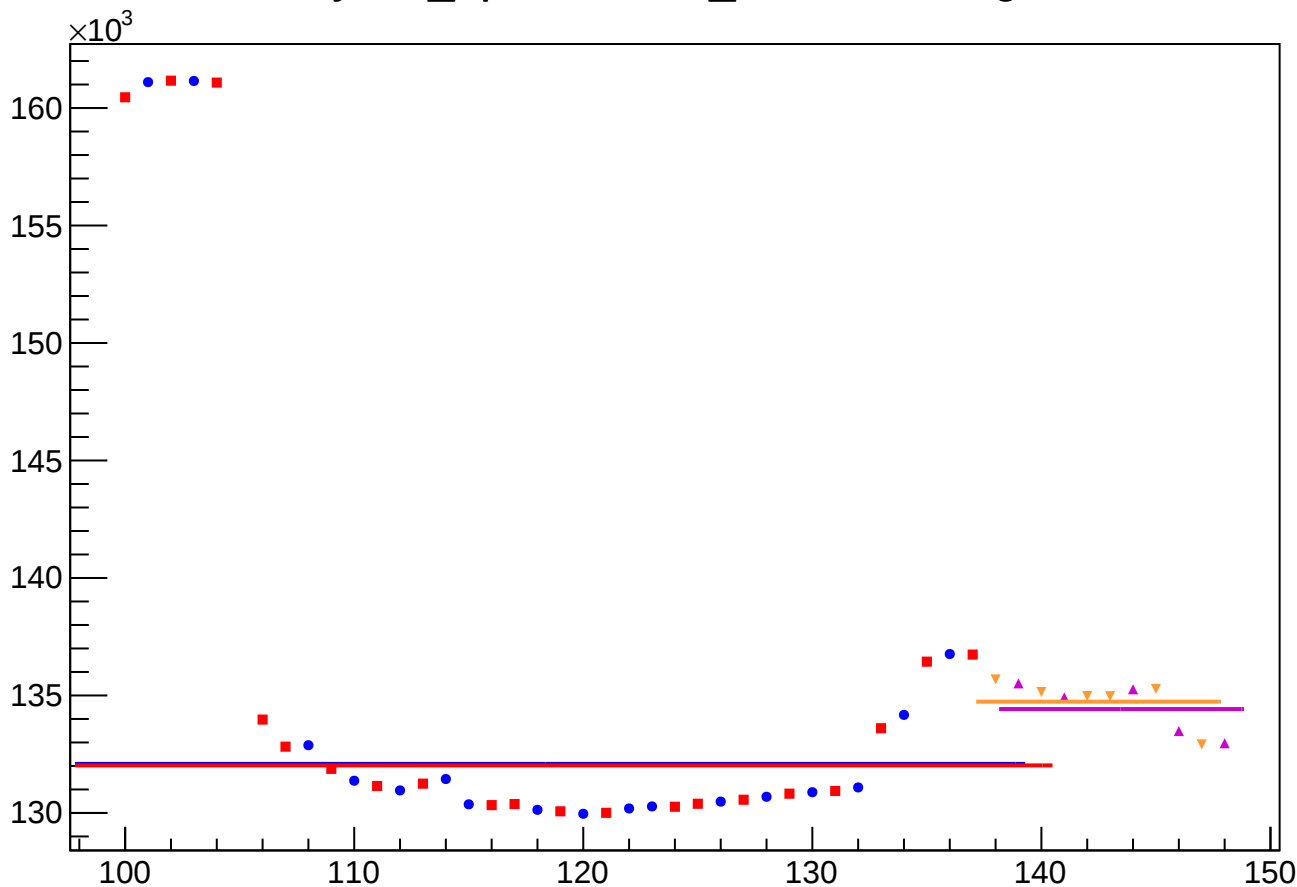
Right Out: 124.572 $\pm$ 0.035 χ^2 /NDF: 1532105.0/19

Left In: 170.287 $\pm$ 0.061 χ^2 /NDF:66684.8/4

141.437 $\pm$ 0.032 χ^2 /NDF: 1913337.4/22

136.167 $\pm$ 0.031 χ^2 /NDF: 2019752.0/24

yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16

Left Out: 134736.284 $\pm$ 0.088 χ^2 /NDF: 118633341.7/5

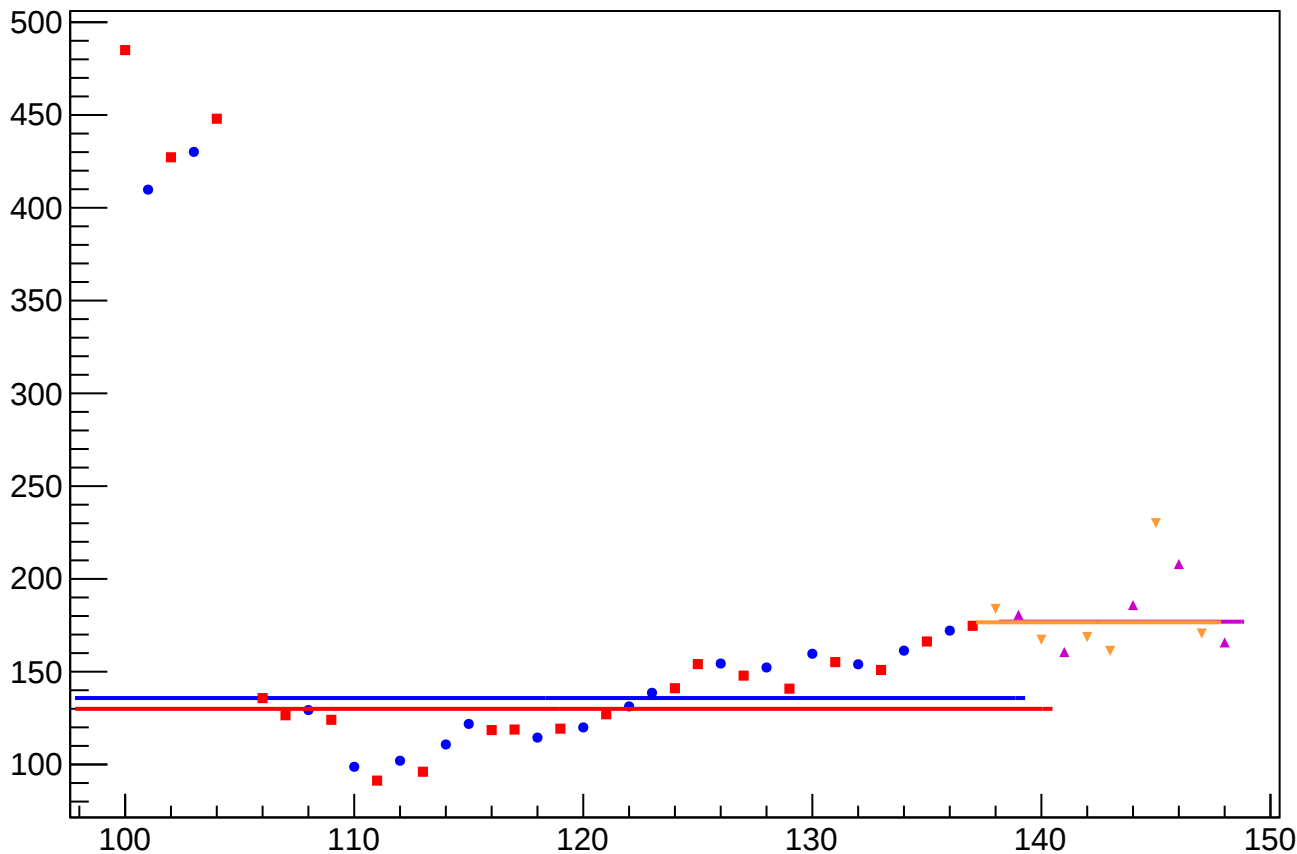
Right Out: 132023.609 $\pm$ 0.052 χ^2 /NDF: 5890492527.2/19

Left In: 134422.294 $\pm$ 0.089 χ^2 /NDF: 127856430.9/4

132863.971 $\pm$ 0.048 χ^2 /NDF: 7496326659.3/22

132634.773 $\pm$ 0.045 χ^2 /NDF: 6554125740.0/24

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 ± 0.040 χ^2/NDF : 1441904.9/16

Left Out: 176.618 ± 0.062 χ^2/NDF : 105465.8/5

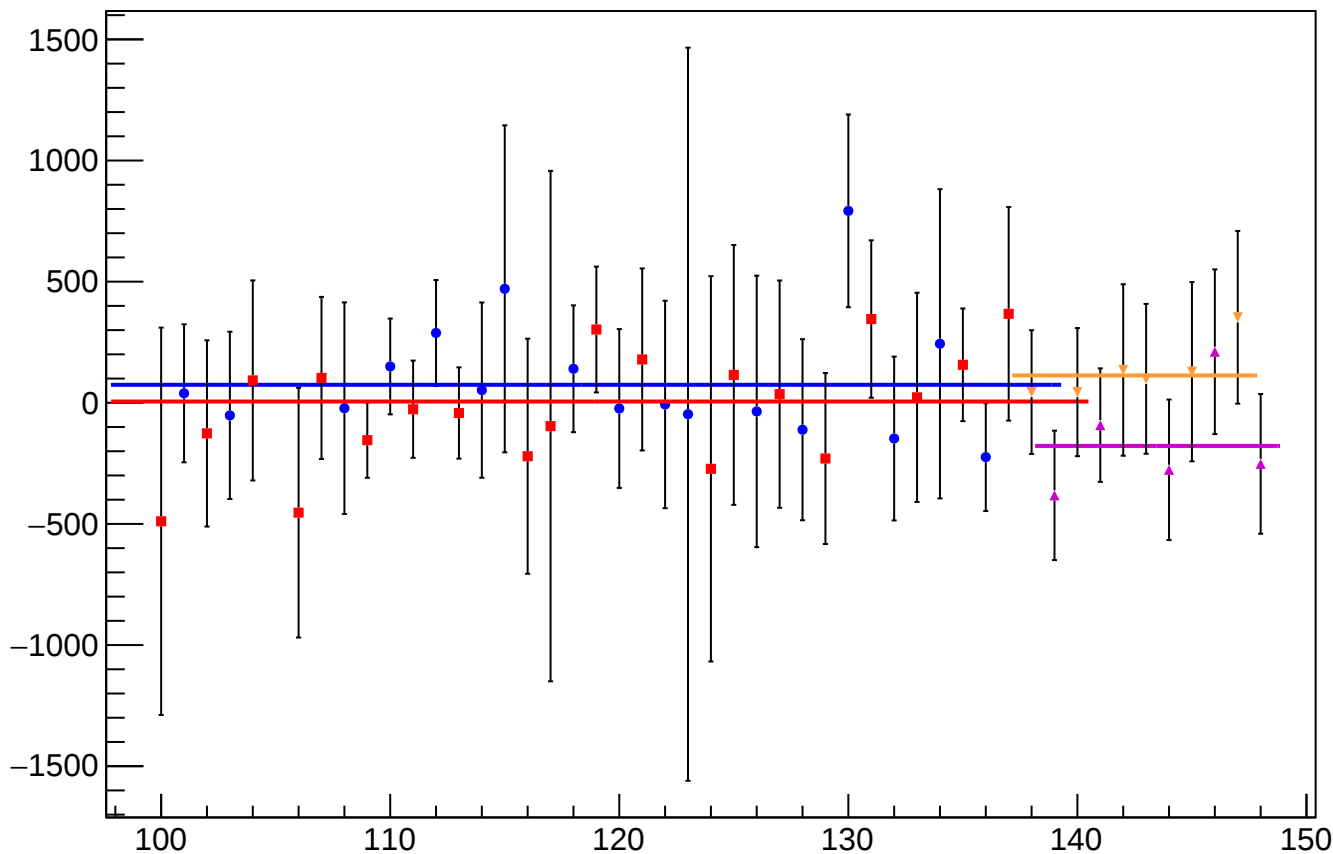
147.770 ± 0.034 χ^2/NDF : 1853343.8/22

Right Out: 129.975 ± 0.037 χ^2/NDF : 1504768.0/19

141.946 ± 0.032 χ^2/NDF : 1979816.3/24

Left In: 176.957 ± 0.063 χ^2/NDF : 63964.9/4

asym_bcm_an_ds_mean vs Slug



Right In: 74.294 ± 79.018 χ^2/NDF : 7.7/16

Left Out: 112.910 ± 125.726 χ^2/NDF : 0.6/5

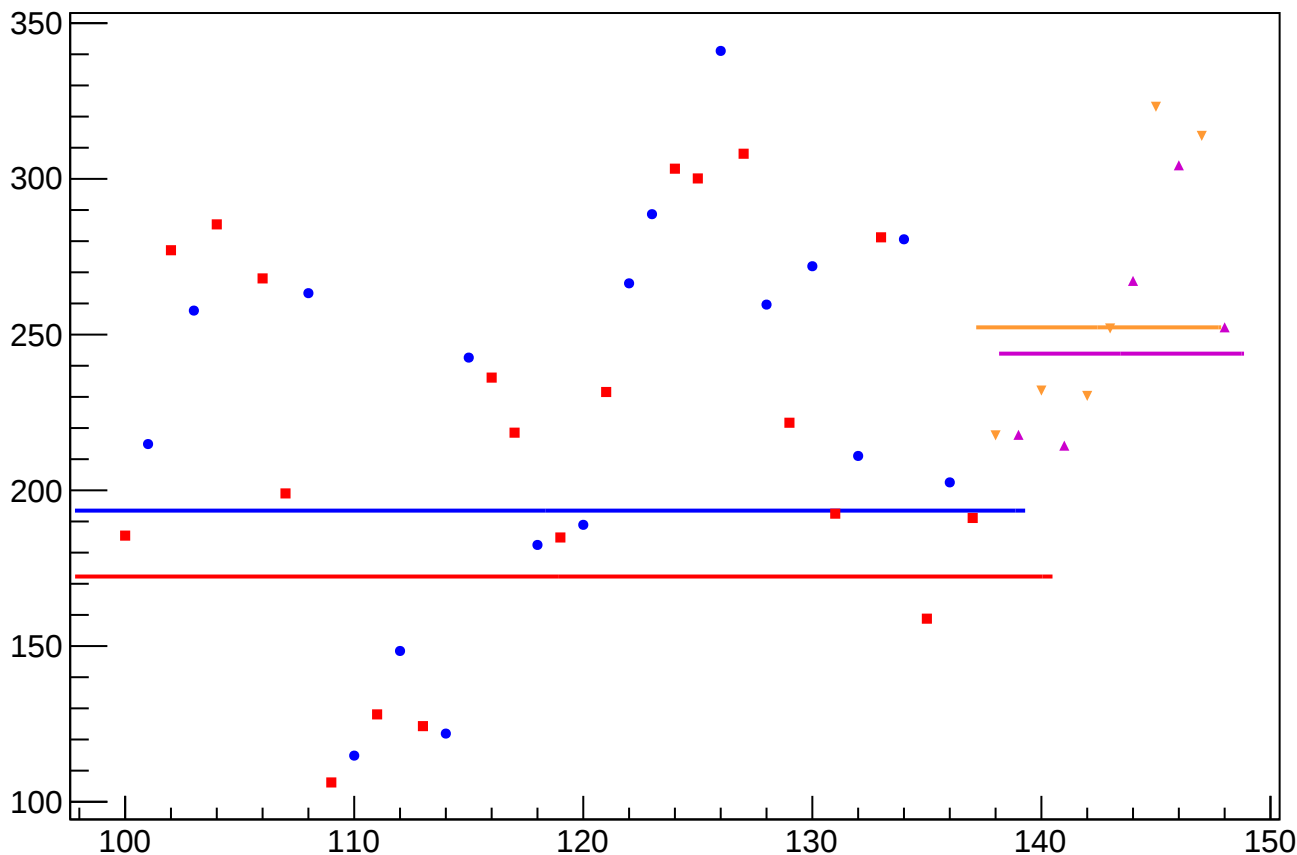
Right Out: 5.290 ± 69.914 χ^2/NDF : 7.1/19

Left In: -177.971 ± 124.234 χ^2/NDF : 2.2/4

85.229 ± 66.902 χ^2/NDF : 8.4/22

-38.789 ± 60.929 χ^2/NDF : 11.0/24

asym_bcm_an_ds_rms vs Slug



Right In: 193.488 $\pm$ 0.056 χ^2 /NDF: 1017195.7/16

Left Out: 252.328 $\pm$ 0.089 χ^2 /NDF:189237.3/5

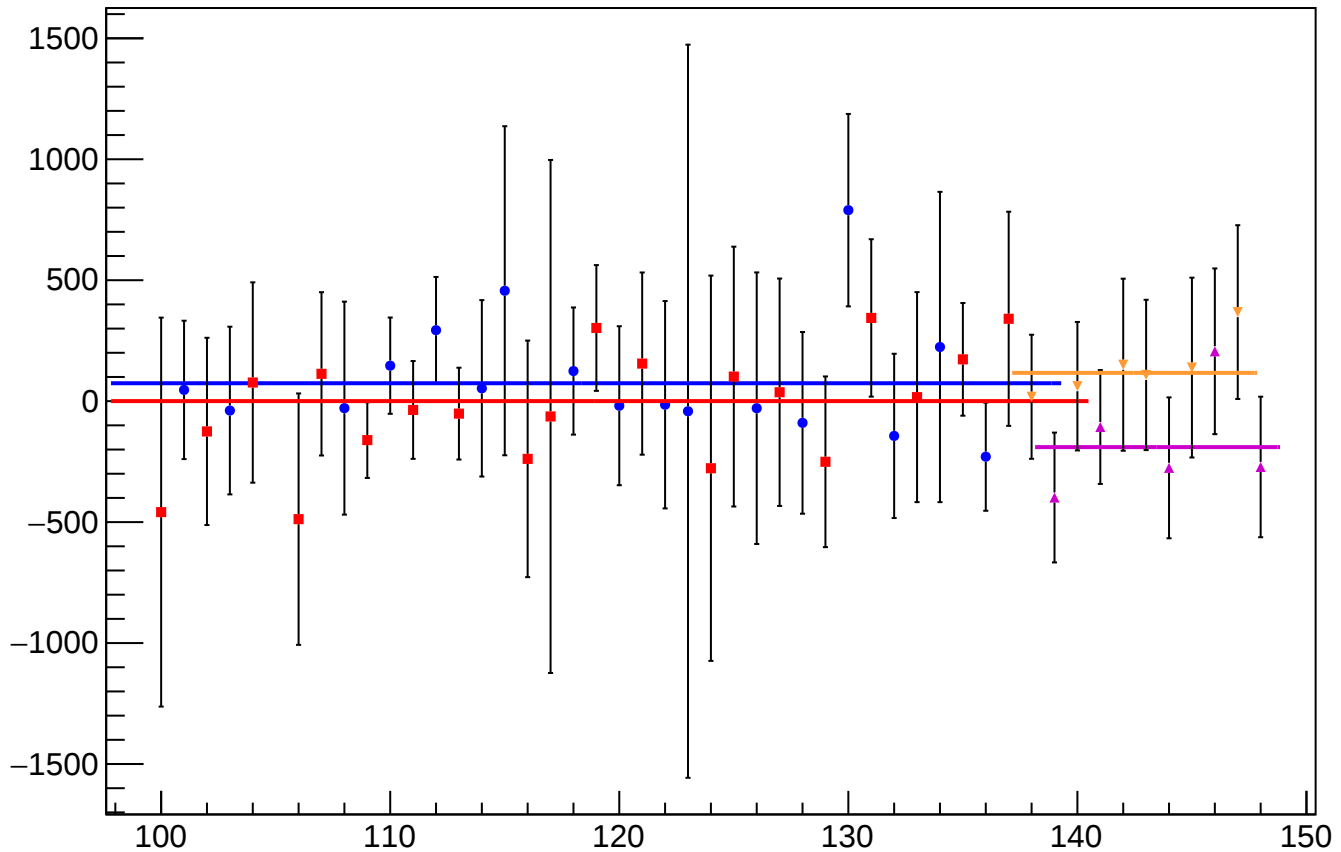
Right Out: 172.327 $\pm$ 0.049 χ^2 /NDF: 1583701.4/19

Left In: 243.887 $\pm$ 0.088 χ^2 /NDF:128760.3/4

210.149 $\pm$ 0.047 χ^2 /NDF: 1520446.4/22

189.539 $\pm$ 0.043 χ^2 /NDF: 2216434.4/24

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098+/-79.404 χ^2/NDF : 7.6/16

Left Out: 116.967+/-126.350 χ^2/NDF : 0.7/5

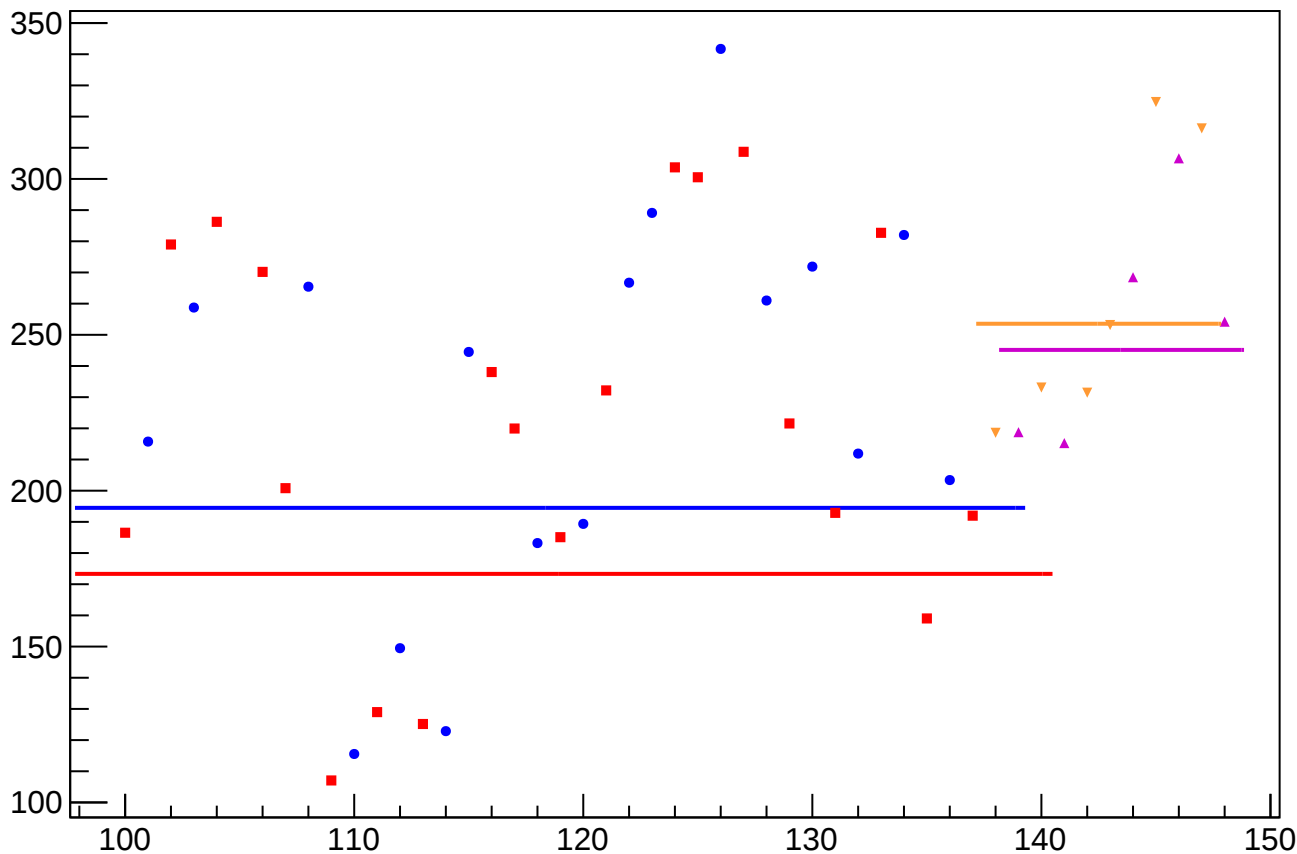
Right Out: 0.223+/-70.282 χ^2/NDF : 7.3/19

Left In: -189.949+/-124.902 χ^2/NDF : 2.2/4

86.235+/-67.230 χ^2/NDF : 8.3/22

-45.510+/-61.251 χ^2/NDF : 11.3/24

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496 $\pm$ 0.056 χ^2/NDF : 1008514.7/16

Left Out: 253.550 $\pm$ 0.089 χ^2/NDF :190943.3/5

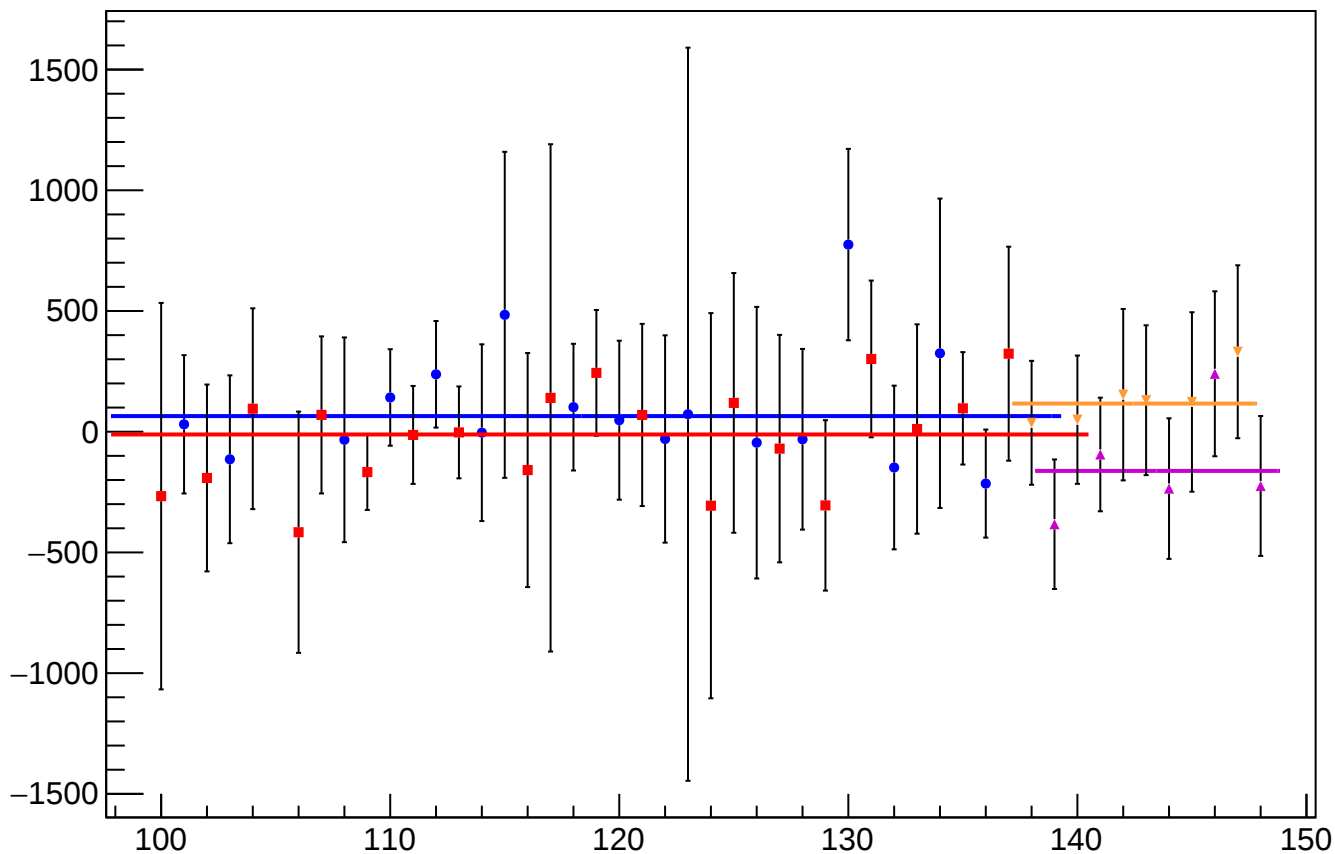
Right Out: 173.317 $\pm$ 0.050 χ^2/NDF : 1571258.4/19

Left In: 245.160 $\pm$ 0.088 χ^2/NDF :130725.8/4

211.216 $\pm$ 0.048 χ^2/NDF : 1512654.5/22

190.594 $\pm$ 0.043 χ^2/NDF : 2204561.6/24

asym_bcm_an_us_mean vs Slug



Right In: 64.733 ± 79.399 $\chi^2/\text{NDF}: 7.0/16$

Left Out: 116.627 ± 126.287 $\chi^2/\text{NDF}: 0.5/5$

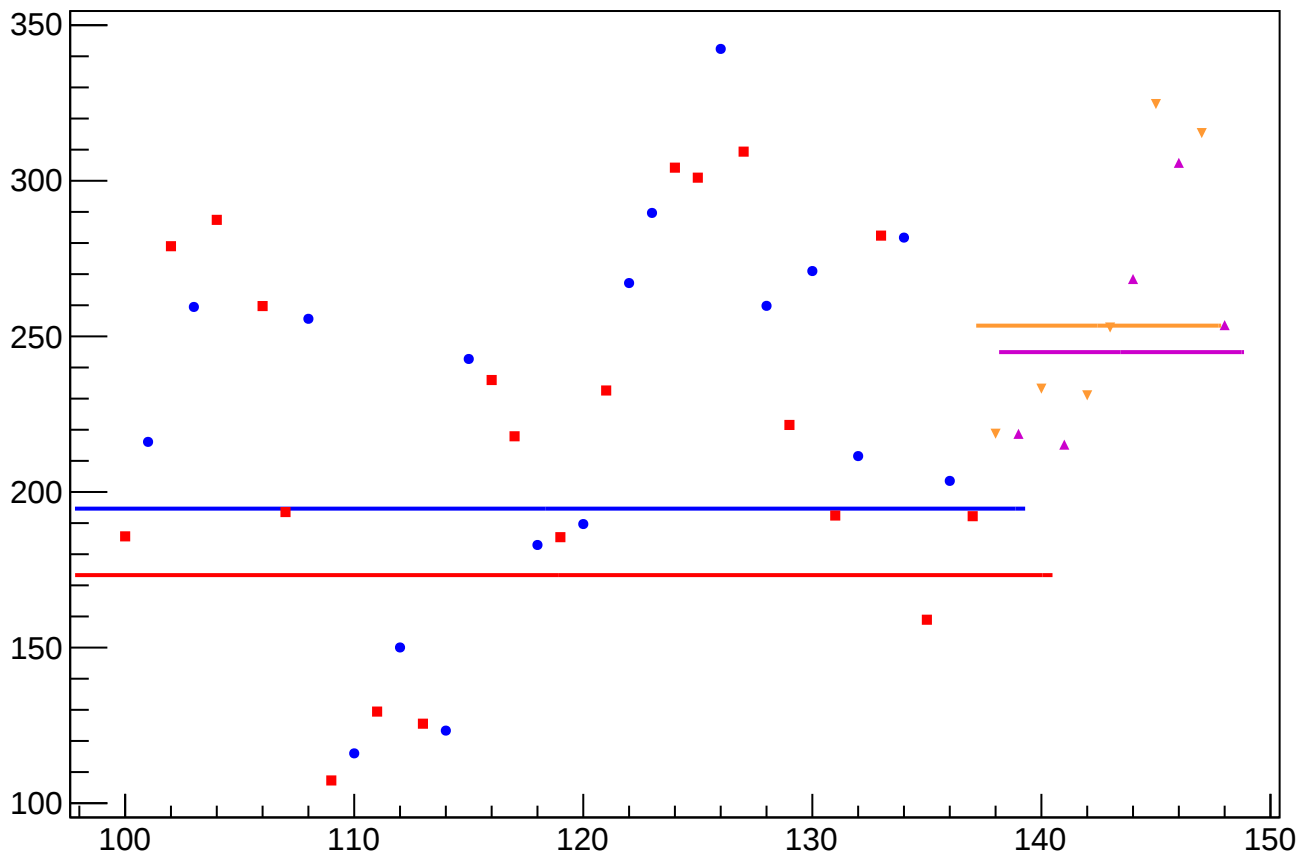
Right Out: -11.414 ± 70.204 $\chi^2/\text{NDF}: 5.8/19$

Left In: -162.318 ± 124.775 $\chi^2/\text{NDF}: 2.3/4$

79.434 ± 67.218 $\chi^2/\text{NDF}: 7.7/22$

-47.699 ± 61.184 $\chi^2/\text{NDF}: 9.2/24$

asym_bcm_an_us_rms vs Slug



Right In: 194.652 $\pm$ 0.056 χ^2/NDF : 986798.9/16

Left Out: 253.454 $\pm$ 0.089 χ^2/NDF : 189329.0/5

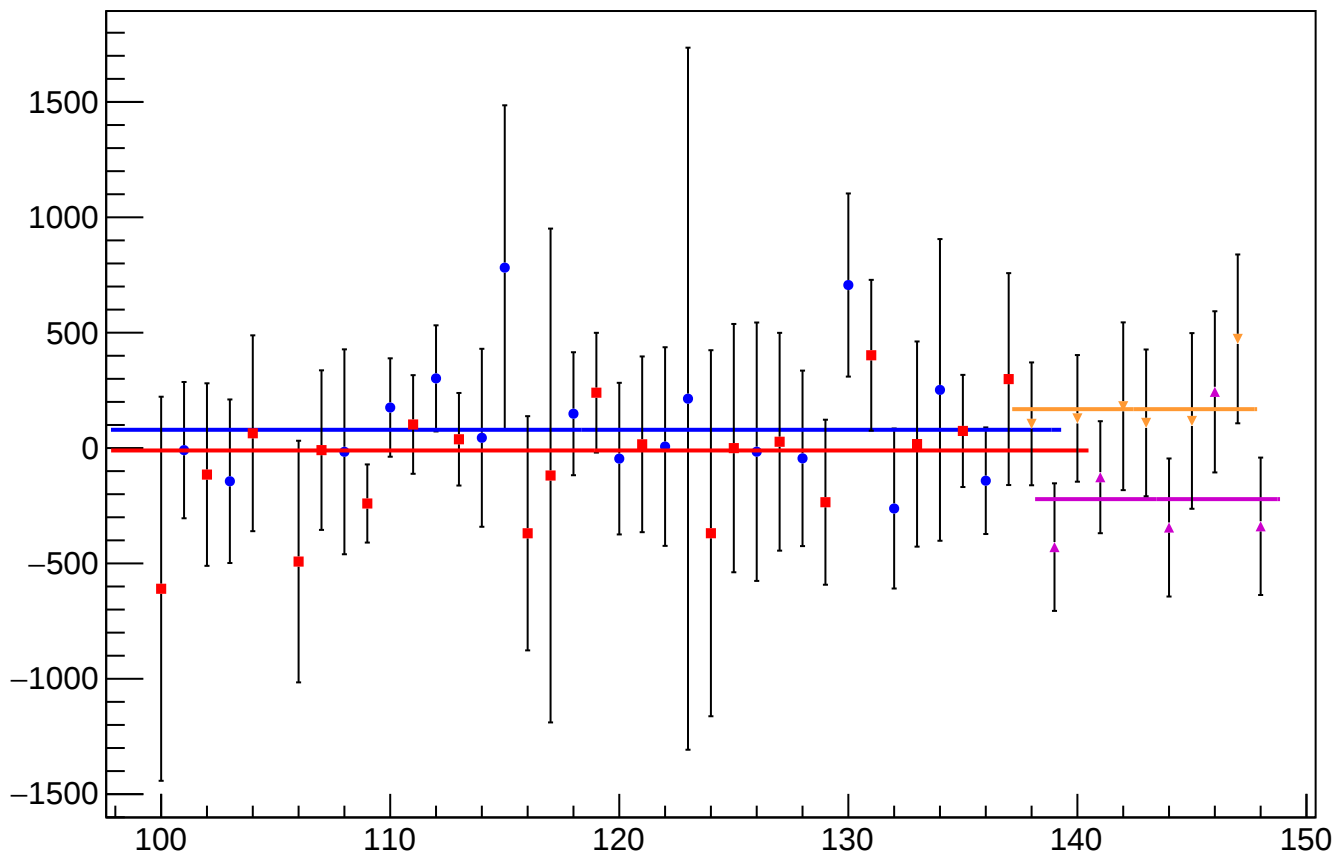
Right Out: 173.289 $\pm$ 0.050 χ^2/NDF : 1548162.6/19

Left In: 244.945 $\pm$ 0.088 χ^2/NDF : 129317.0/4

211.310 $\pm$ 0.048 χ^2/NDF : 1486889.2/22

190.518 $\pm$ 0.043 χ^2/NDF : 2178474.7/24

asym_bcm_dg_us_mean vs Slug



Right In: 79.128 ± 81.874 χ^2/NDF : 7.5/16

Left Out: 168.599 ± 129.951 χ^2/NDF : 0.8/5

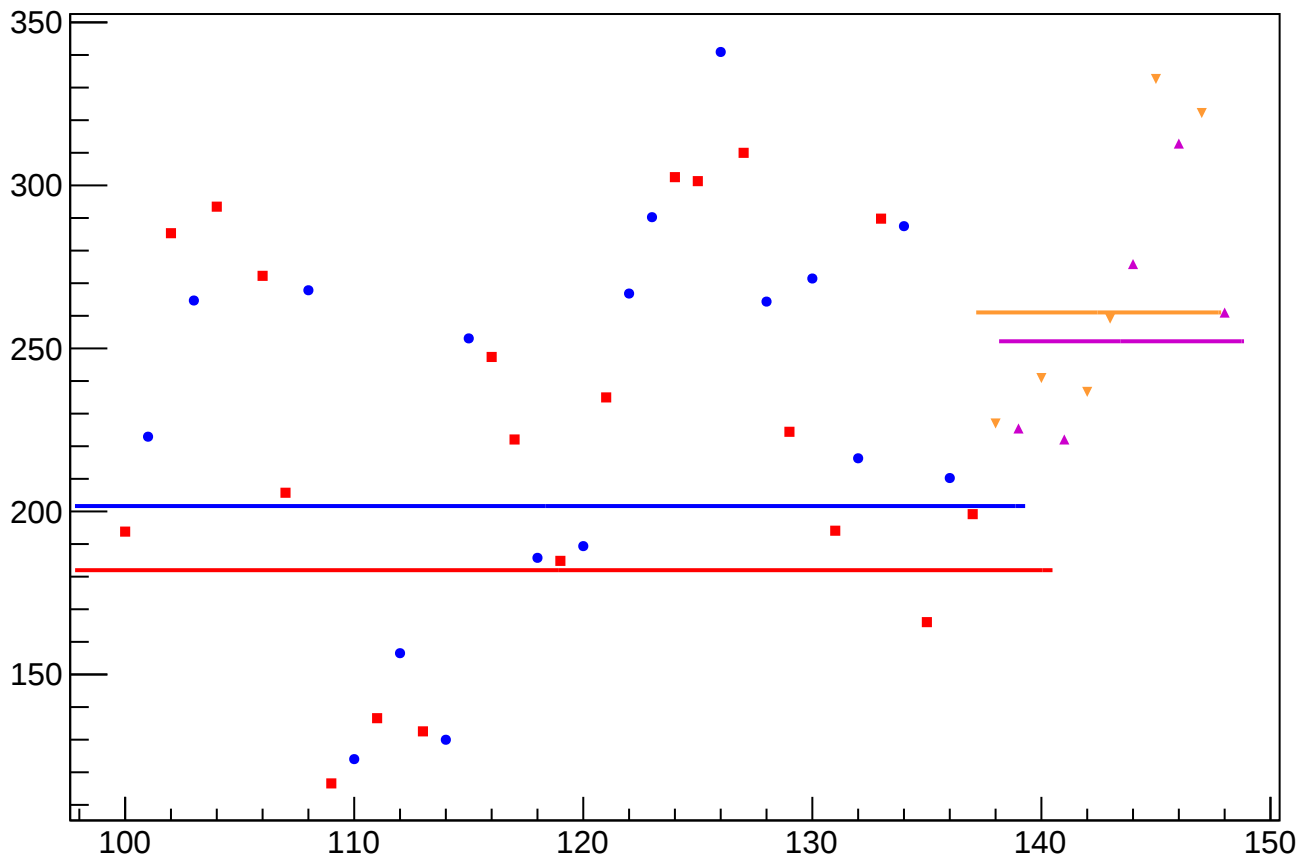
Right Out: -10.491 ± 73.139 χ^2/NDF : 7.9/19

Left In: -221.355 ± 128.349 χ^2/NDF : 2.8/4

104.552 ± 69.272 χ^2/NDF : 8.7/22

-62.179 ± 63.545 χ^2/NDF : 12.7/24

asym_bcm_dg_us_rms vs Slug



Right In: 201.654+/-0.058 χ^2/NDF : 883179.7/16

Left Out: 261.036+/-0.092 χ^2/NDF : 179204.6/5

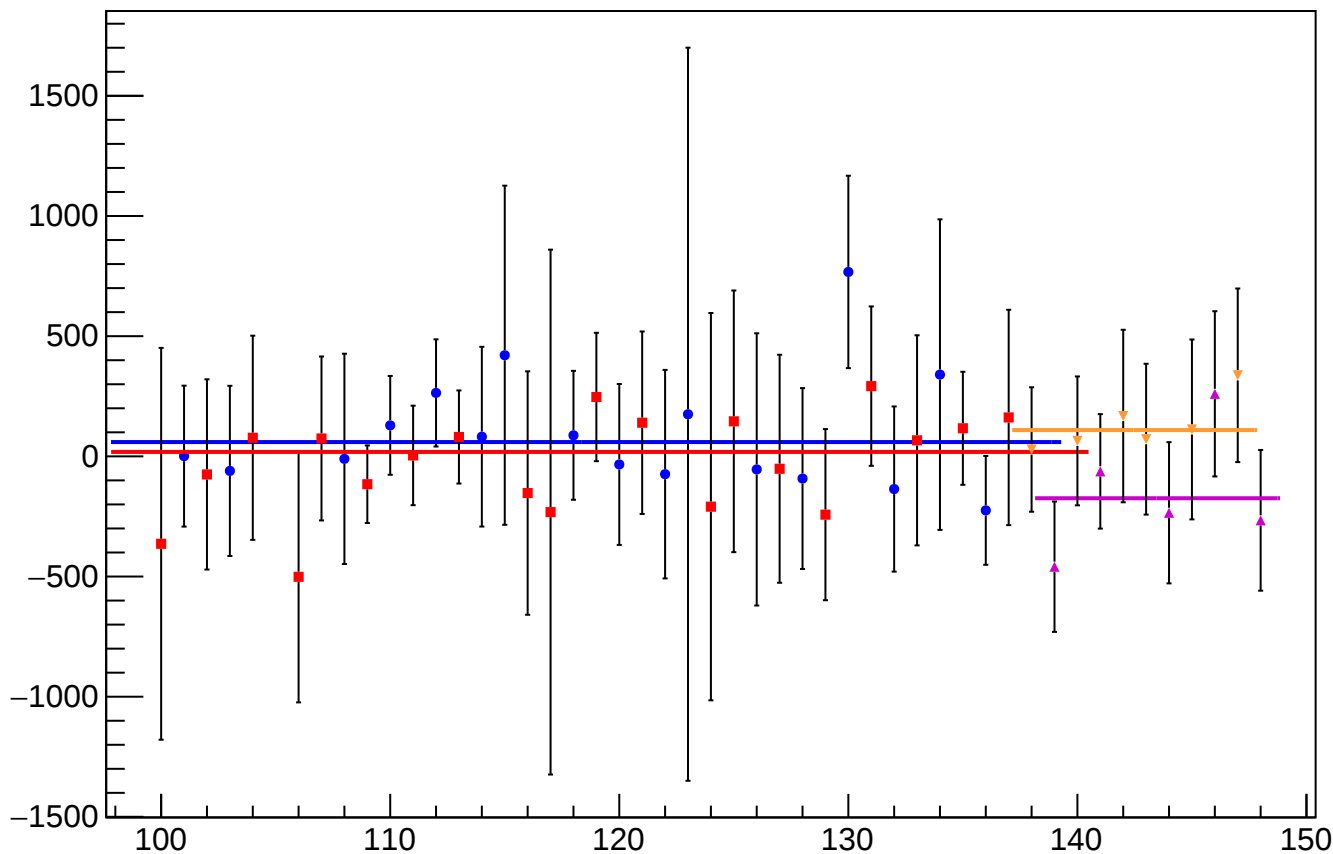
Right Out: 181.986+/-0.052 χ^2/NDF : 1380269.0/19

Left In: 252.190+/-0.091 χ^2/NDF : 124053.0/4

218.528+/-0.049 χ^2/NDF : 1361334.7/22

199.194+/-0.045 χ^2/NDF : 1956017.4/24

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496 +/- 80.808 χ^2/NDF : 7.0/16

Left Out: 109.380 +/- 127.444 χ^2/NDF : 0.6/5

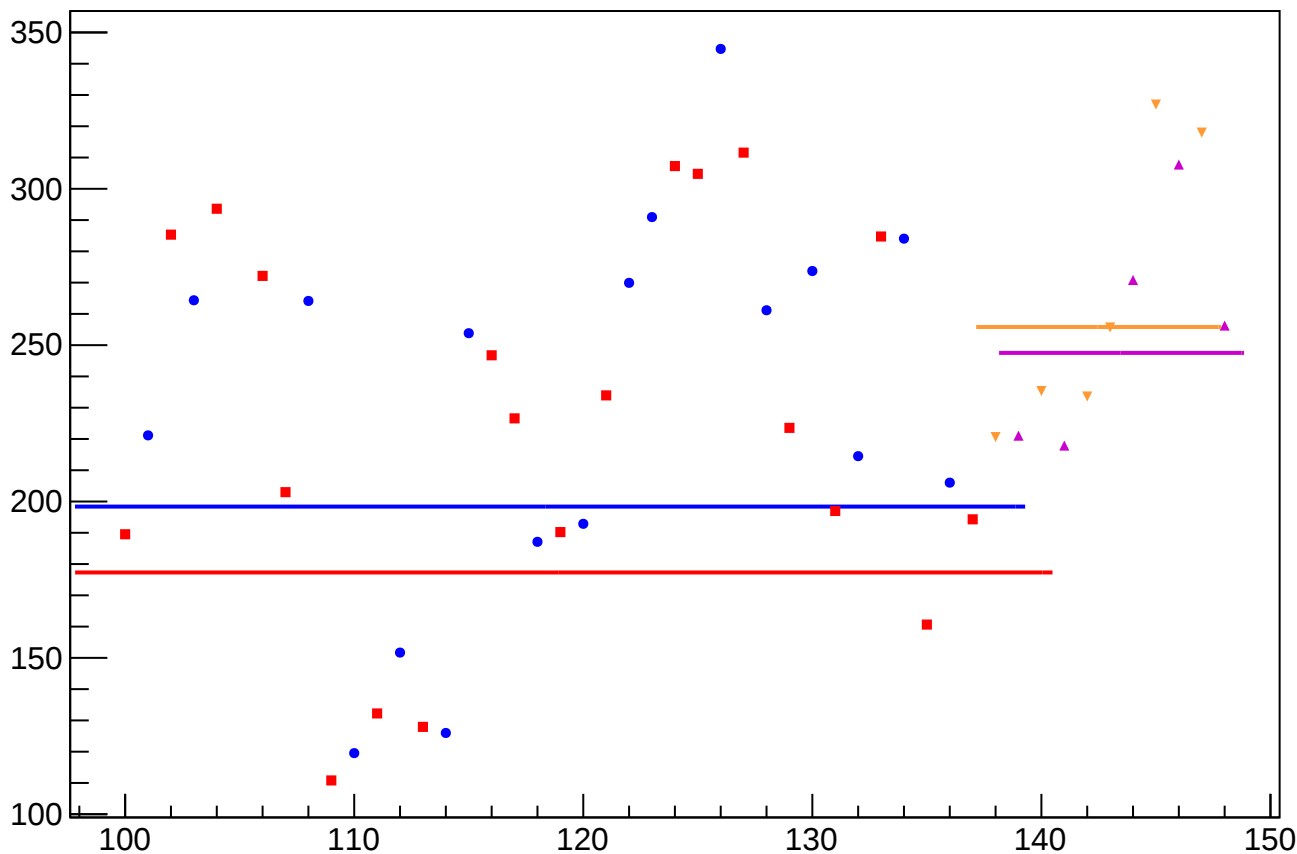
Right Out: 18.457 +/- 71.711 χ^2/NDF : 4.8/19

Left In: -174.245 +/- 126.041 χ^2/NDF : 3.1/4

73.800 +/- 68.246 χ^2/NDF : 7.7/22

-28.667 +/- 62.329 χ^2/NDF : 9.6/24

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378+/-0.057 χ^2/NDF : 963672.6/16

Left Out: 255.808+/-0.090 χ^2/NDF : 187874.0/5

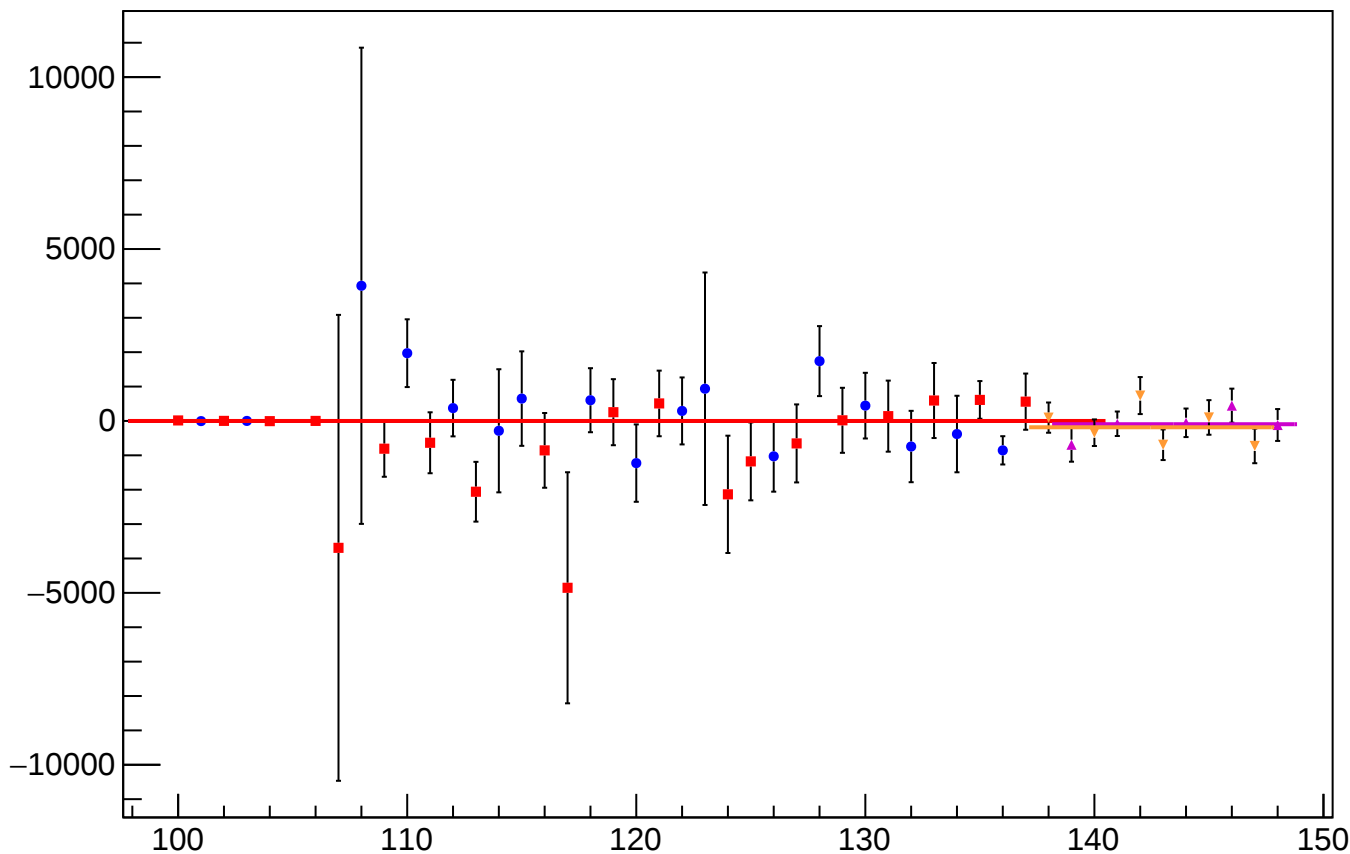
Right Out: 177.309+/-0.051 χ^2/NDF : 1528855.2/19

Left In: 247.526+/-0.089 χ^2/NDF : 125816.3/4

214.847+/-0.048 χ^2/NDF : 1441217.3/22

194.480+/-0.044 χ^2/NDF : 2123584.8/24

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -183.893 ± 188.136 χ^2/NDF : 6.3/5

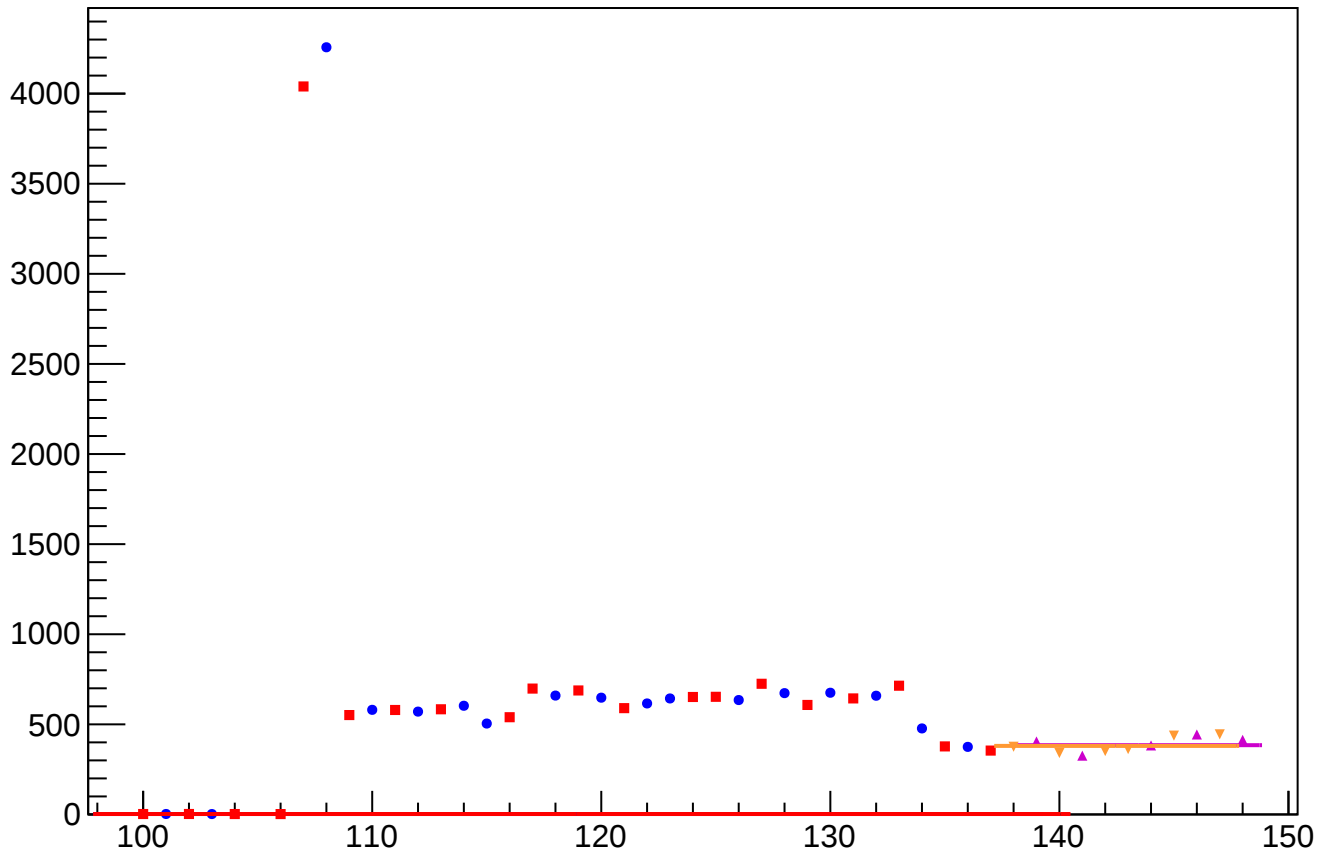
Right Out: -0.728 ± 2.111 χ^2/NDF : 21.4/19

Left In: -95.289 ± 194.074 χ^2/NDF : 2.7/4

-1.555 ± 2.251 χ^2/NDF : 24.2/22

-0.740 ± 2.111 χ^2/NDF : 24.3/24

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 380.471+/-0.133 χ^2/NDF : 88220.0/5

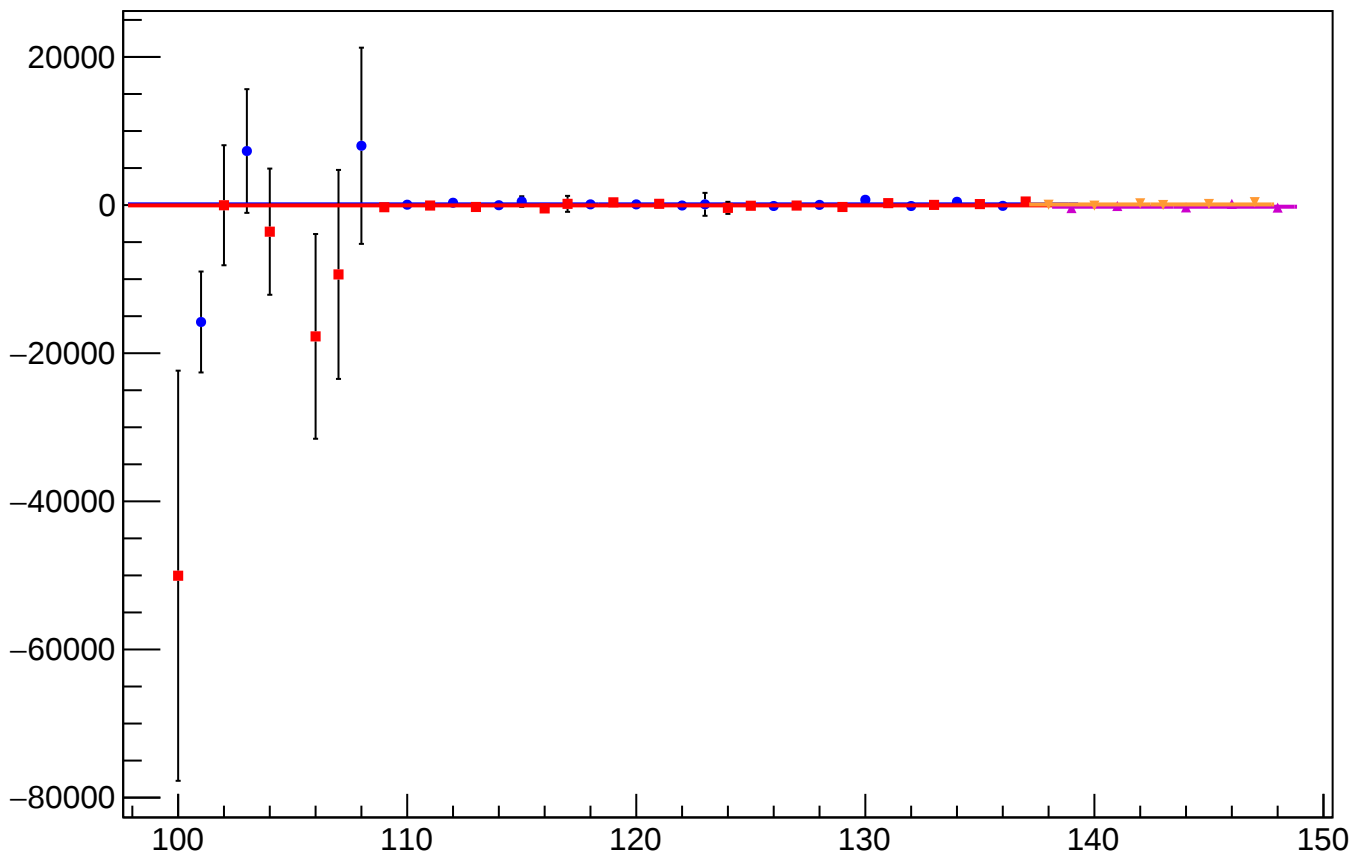
Right Out: 2.437+/-0.001 χ^2/NDF : 11233207.9/19

Left In: 384.421+/-0.137 χ^2/NDF : 93899.3/4

2.511+/-0.002 χ^2/NDF : 19009163.9/22

2.482+/-0.001 χ^2/NDF : 19074113.1/24

asym_cav4cQ_mean vs Slug



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: 87.057+/-132.416 χ^2/NDF : 1.3/5

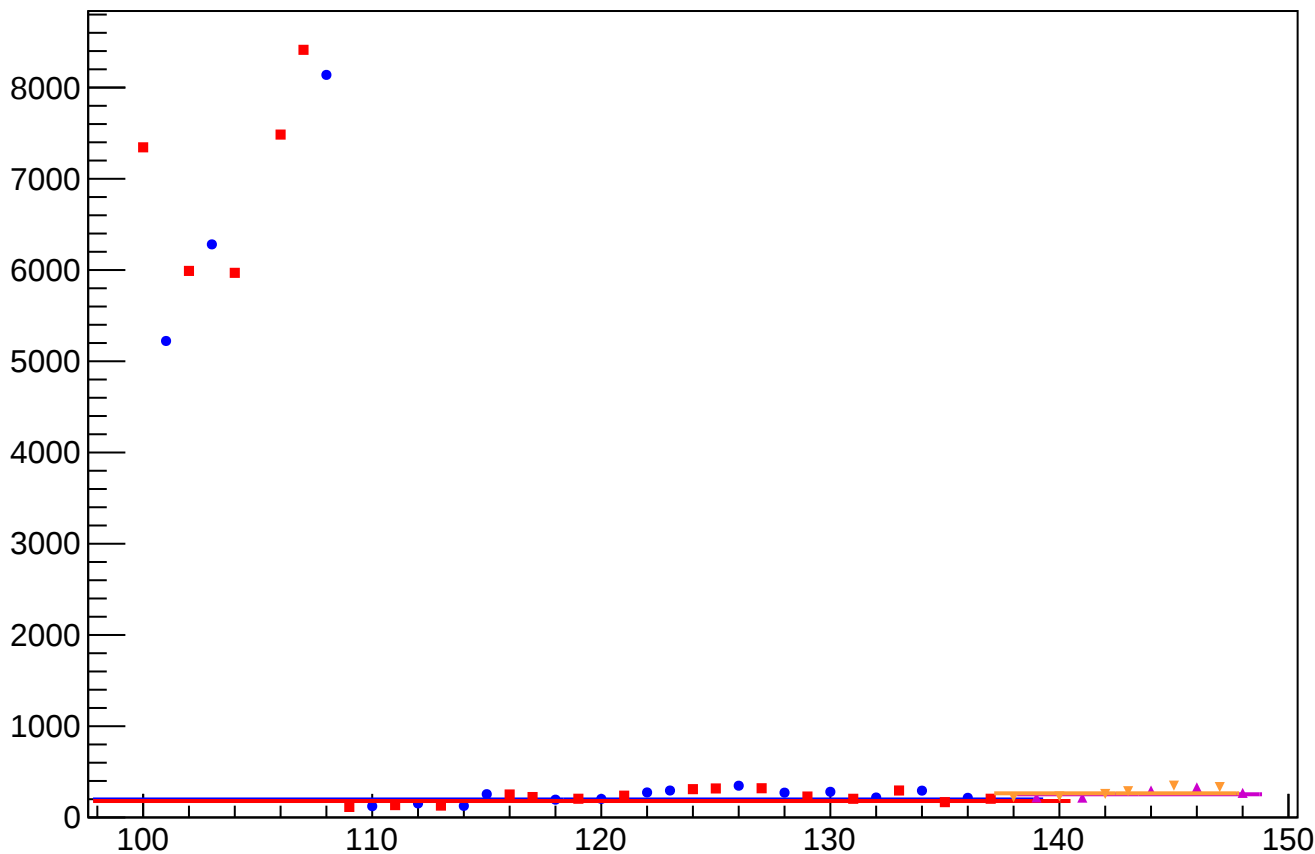
Right Out: -41.024+/-84.237 χ^2/NDF : 13.9/19

Left In: -221.291+/-130.050 χ^2/NDF : 2.0/4

94.934+/-74.919 χ^2/NDF : 13.2/22

-94.302+/-70.701 χ^2/NDF : 17.3/24

asym_cav4cQ_rms vs Slug



Right In: 197.086+/-0.064 χ^2/NDF : 3693614.0/16

Left Out: 264.529+/-0.094 χ^2/NDF : 254510.9/5

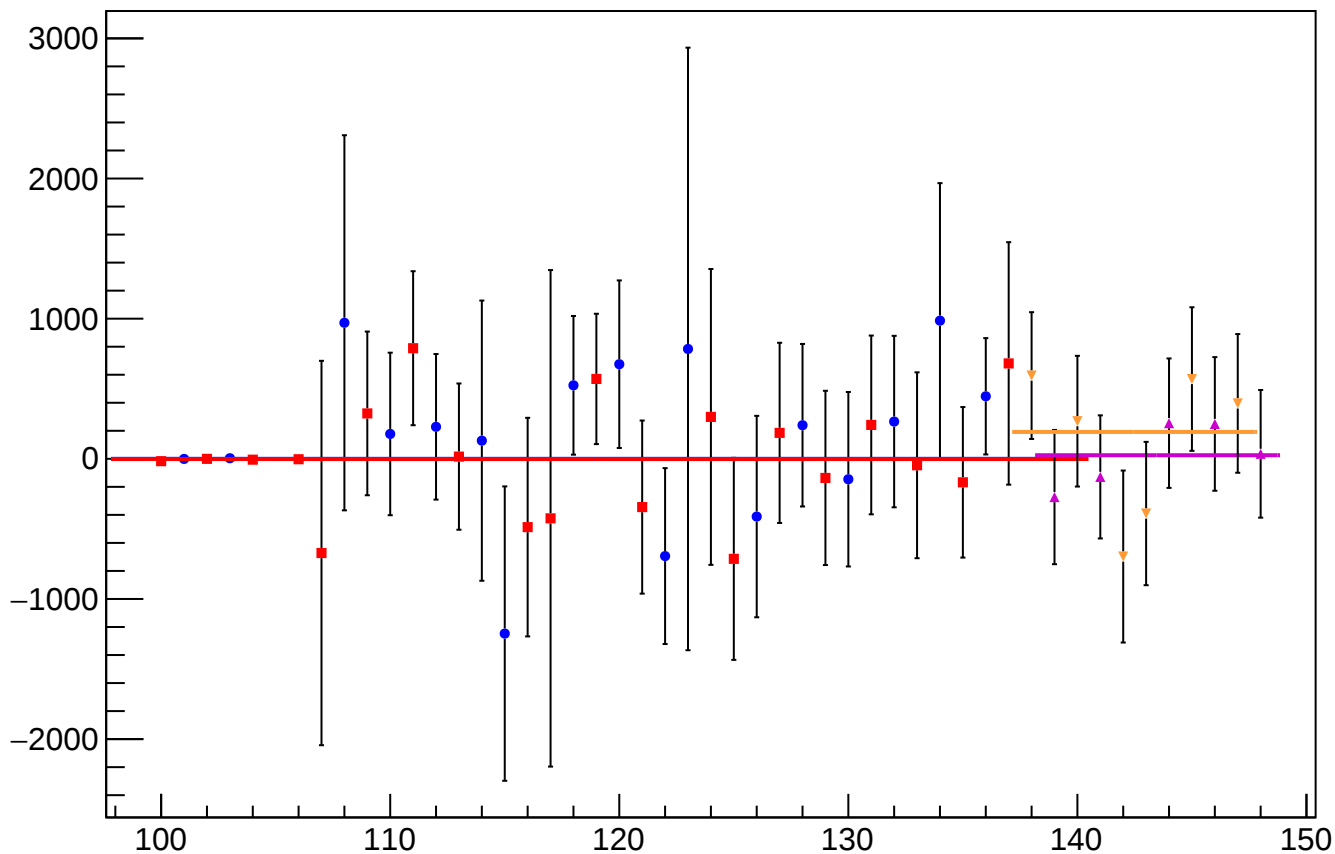
Right Out: 180.217+/-0.060 χ^2/NDF : 4324457.3/19

Left In: 254.057+/-0.092 χ^2/NDF : 205243.4/4

218.675+/-0.053 χ^2/NDF : 4300868.8/22

202.040+/-0.050 χ^2/NDF : 4983886.7/24

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: 191.850 ± 204.709 χ^2/NDF : 4.9/5

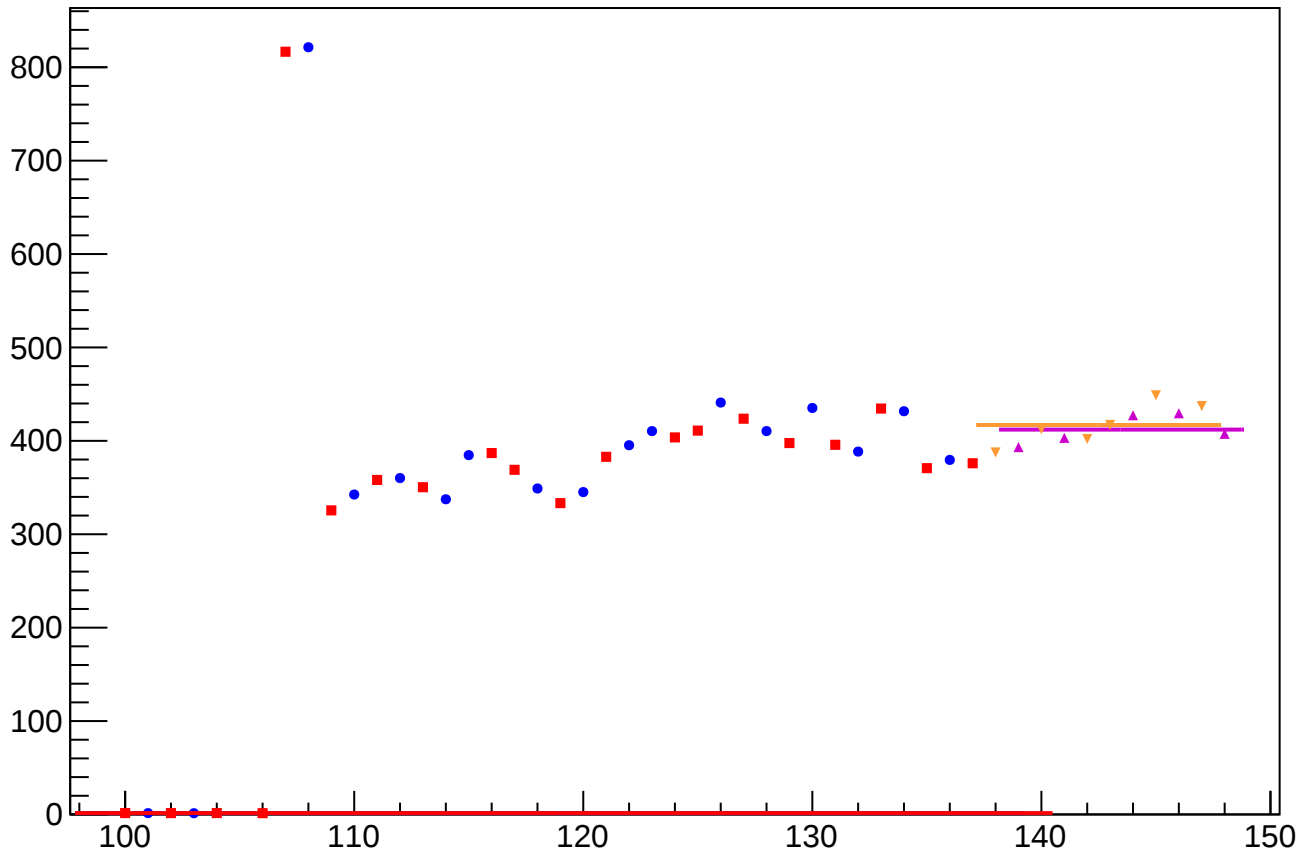
Right Out: -1.324 ± 1.623 χ^2/NDF : 9.7/19

Left In: 25.630 ± 206.508 χ^2/NDF : 1.0/4

-0.124 ± 1.737 χ^2/NDF : 15.5/22

-1.322 ± 1.623 χ^2/NDF : 10.7/24

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 416.976+/-0.145 χ^2/NDF :20902.4/5

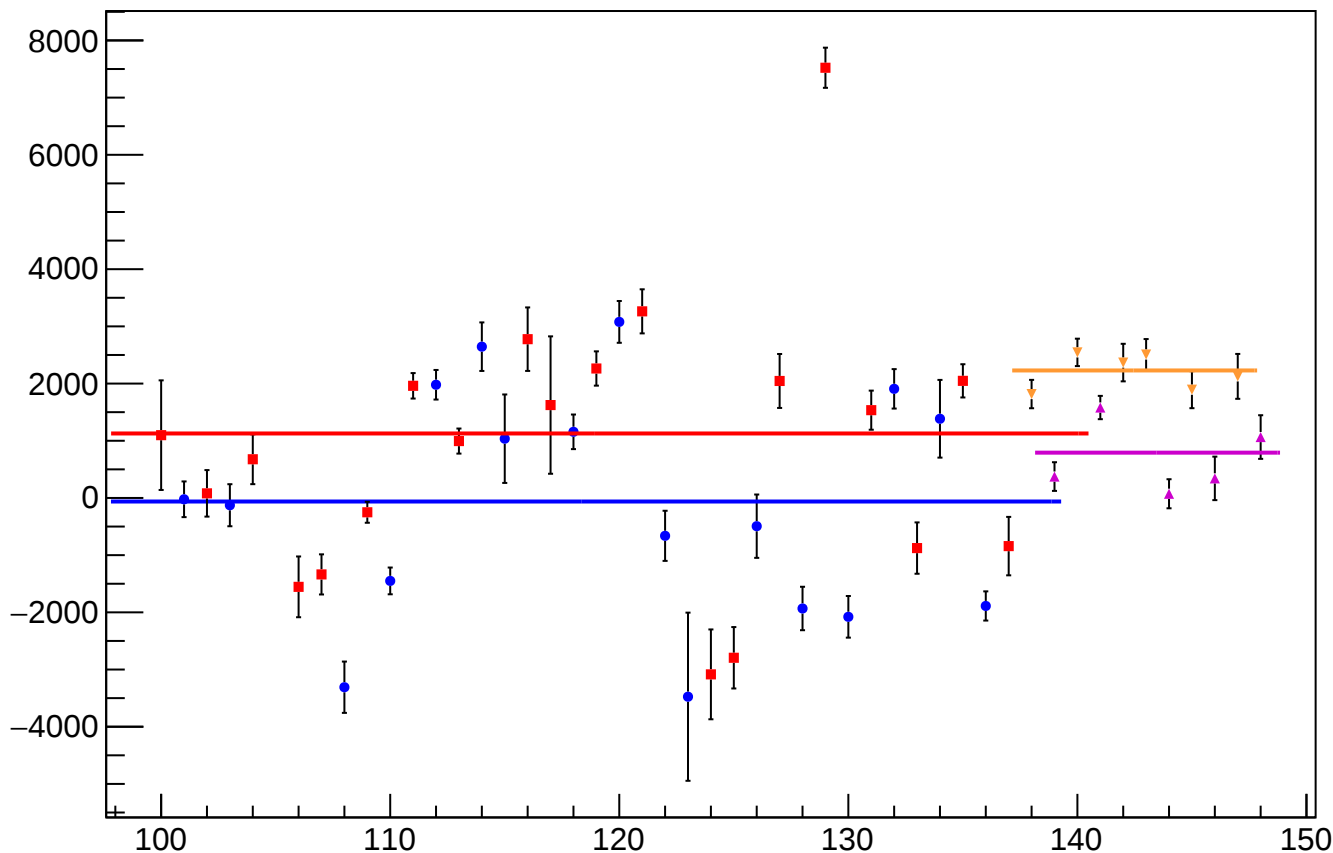
Right Out: 1.451+/-0.001 χ^2/NDF : 10966832.6/19

Left In: 412.038+/-0.146 χ^2/NDF :8978.9/4

1.483+/-0.001 χ^2/NDF : 19218672.7/22

1.477+/-0.001 χ^2/NDF : 18881509.4/24

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 χ^2/NDF : 433.9/16

Left Out: 2229.303 ± 117.317 χ^2/NDF : 6.9/5

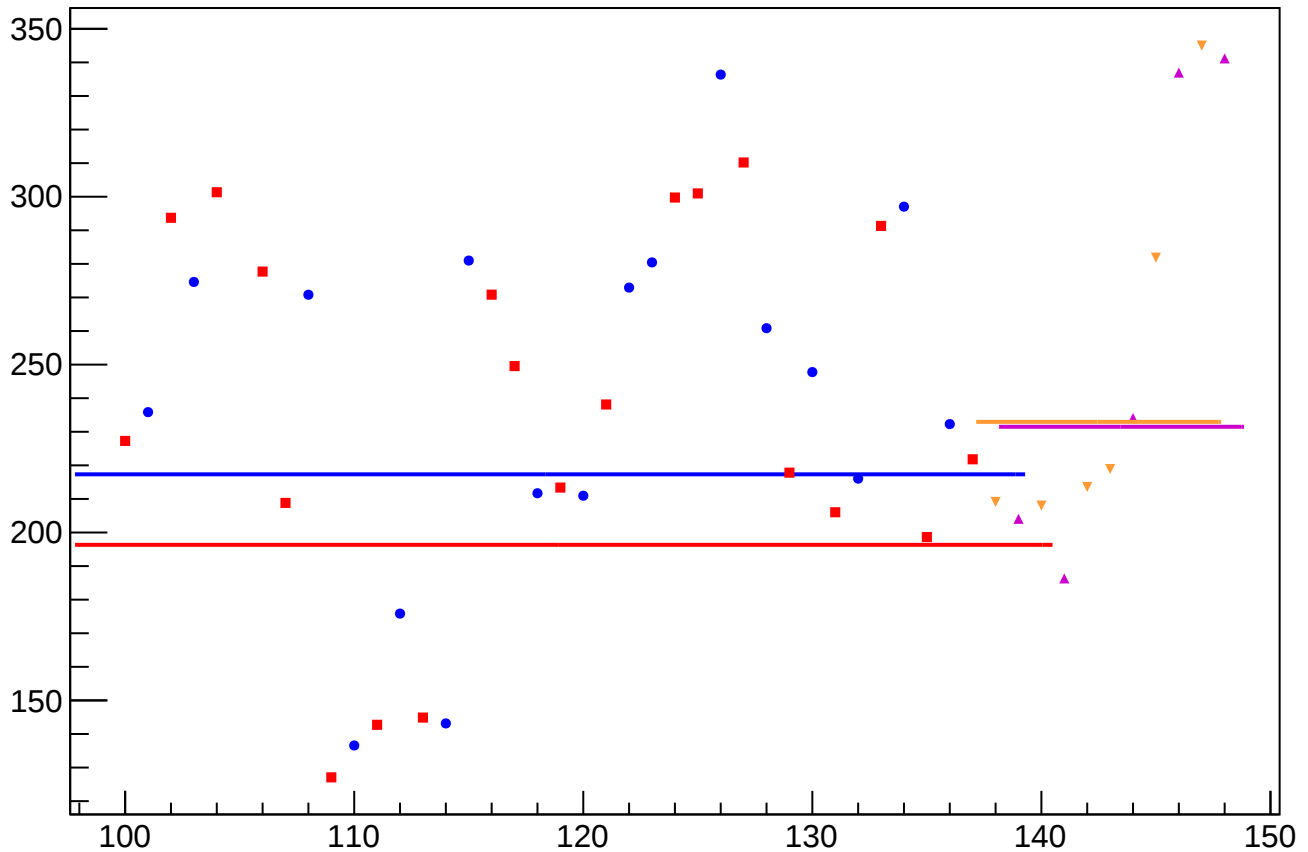
Right Out: 1127.552 ± 78.203 χ^2/NDF : 671.4/19

Left In: 792.071 ± 120.120 χ^2/NDF : 27.7/4

755.985 ± 70.100 χ^2/NDF : 686.1/22

1027.684 ± 65.538 χ^2/NDF : 704.6/24

asym_bcm0l02_rms vs Slug



Right In: 217.330+/-0.062 χ^2/NDF : 652722.5/16

Left Out: 232.955+/-0.083 χ^2/NDF : 261182.7/5

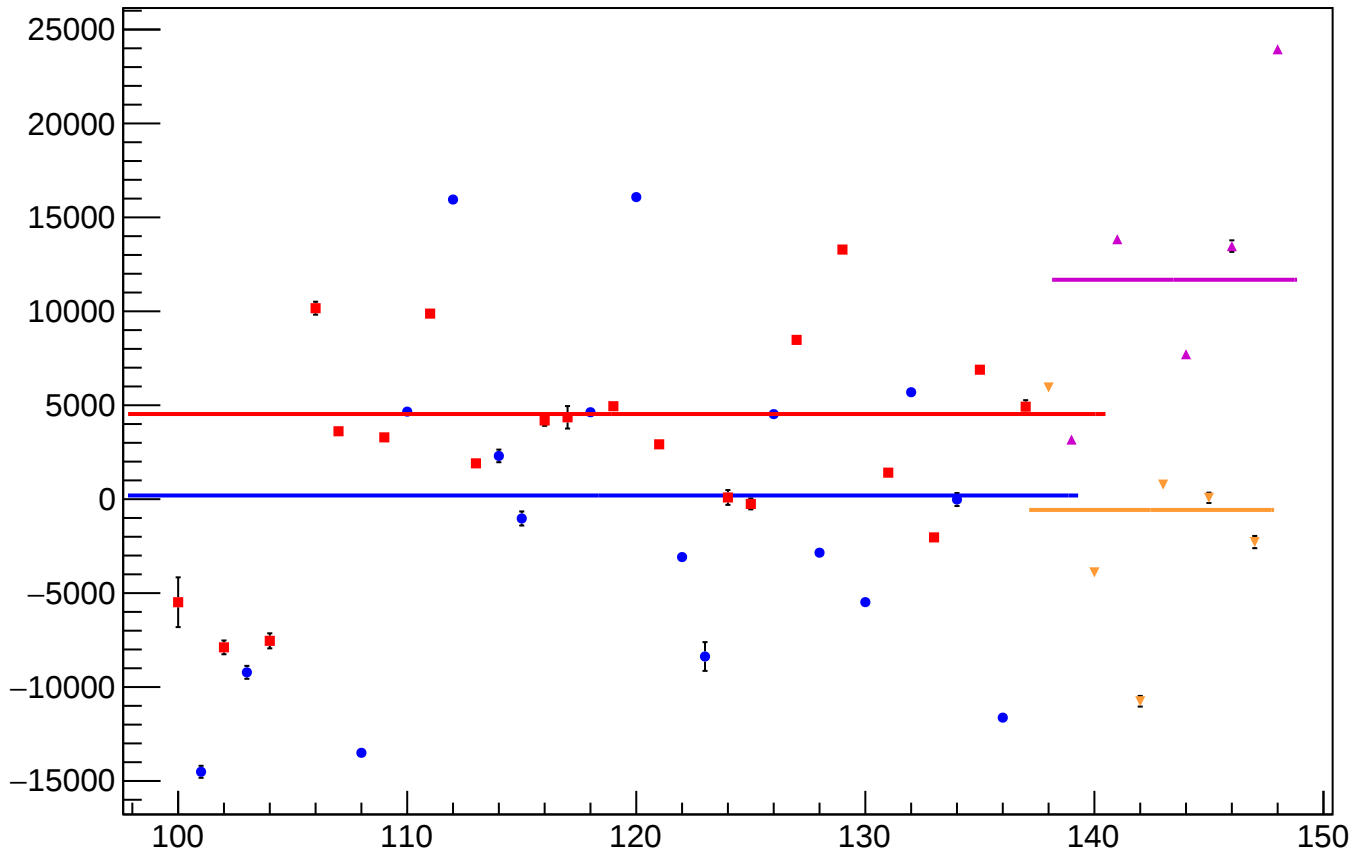
Right Out: 196.332+/-0.055 χ^2/NDF : 1194678.0/19

Left In: 231.483+/-0.085 χ^2/NDF : 441792.5/4

222.909+/-0.050 χ^2/NDF : 936716.1/22

206.796+/-0.046 χ^2/NDF : 1756757.9/24

asym_bpm0i02WS_mean vs Slug



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: -571.744+/-99.307 χ^2/NDF : 2771.1/5

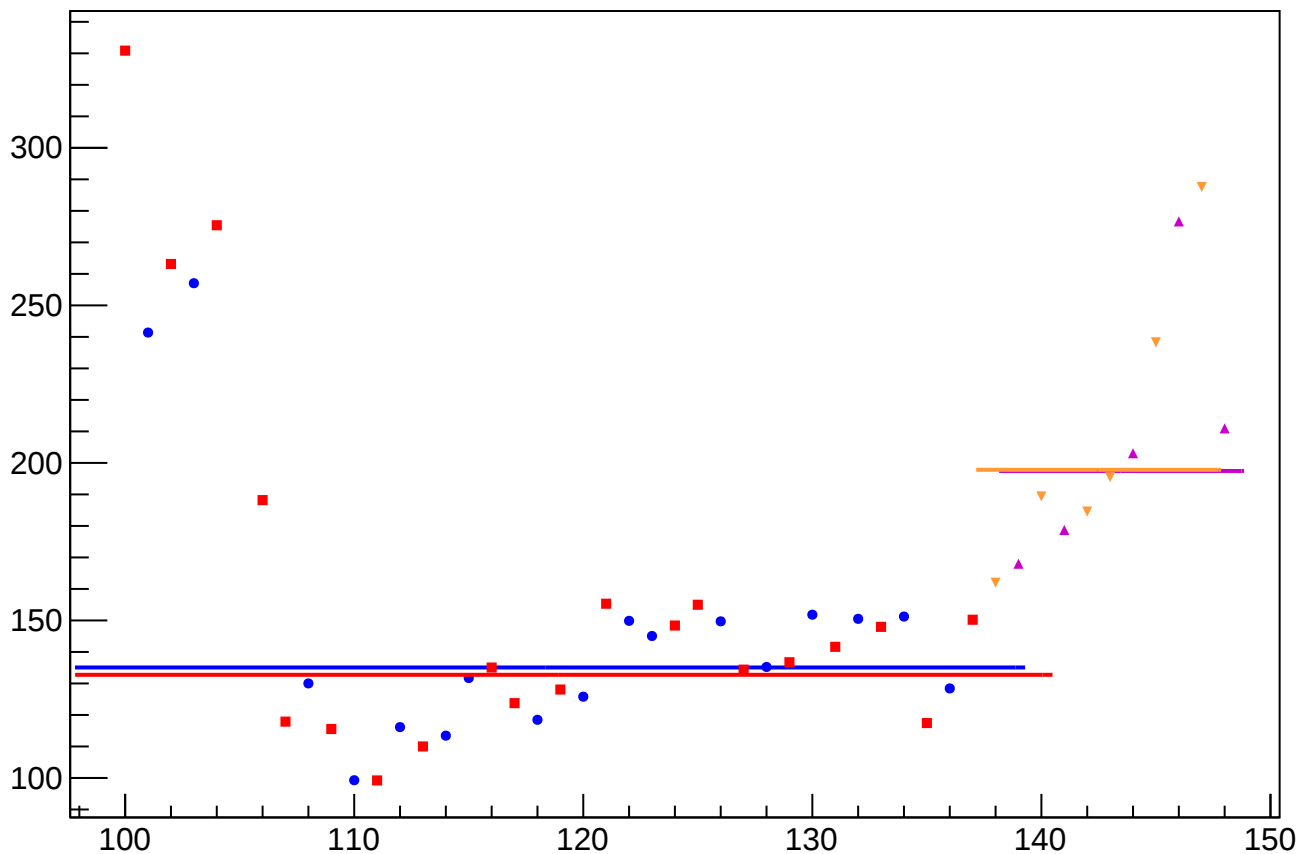
Right Out: 4532.856+/-52.261 χ^2/NDF : 7477.3/19

Left In: 11679.907+/-101.222 χ^2/NDF : 4704.0/4

17.568+/-47.979 χ^2/NDF : 33475.3/22

6037.055+/-46.437 χ^2/NDF : 16117.5/24

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 197.813 $\pm$ 0.070 χ^2 /NDF: 273799.4/5

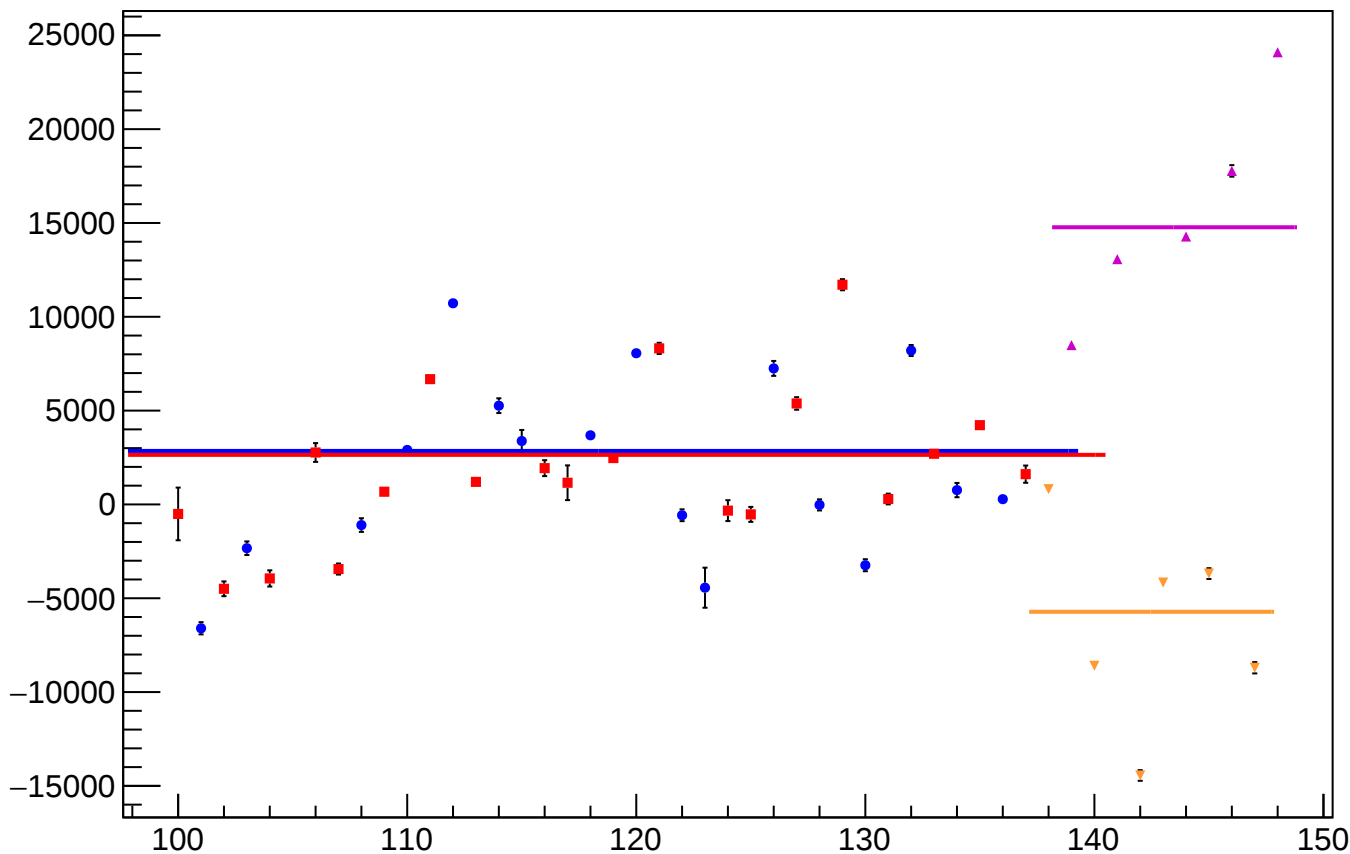
Right Out: 132.747 $\pm$ 0.037 χ^2 /NDF: 831647.2/19

Left In: 197.445 $\pm$ 0.072 χ^2 /NDF: 199494.8/4

149.717 $\pm$ 0.034 χ^2 /NDF: 1544478.5/22

146.364 $\pm$ 0.033 χ^2 /NDF: 1676245.1/24

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -5722.007+/-102.093 χ^2/NDF : 2273.8/5

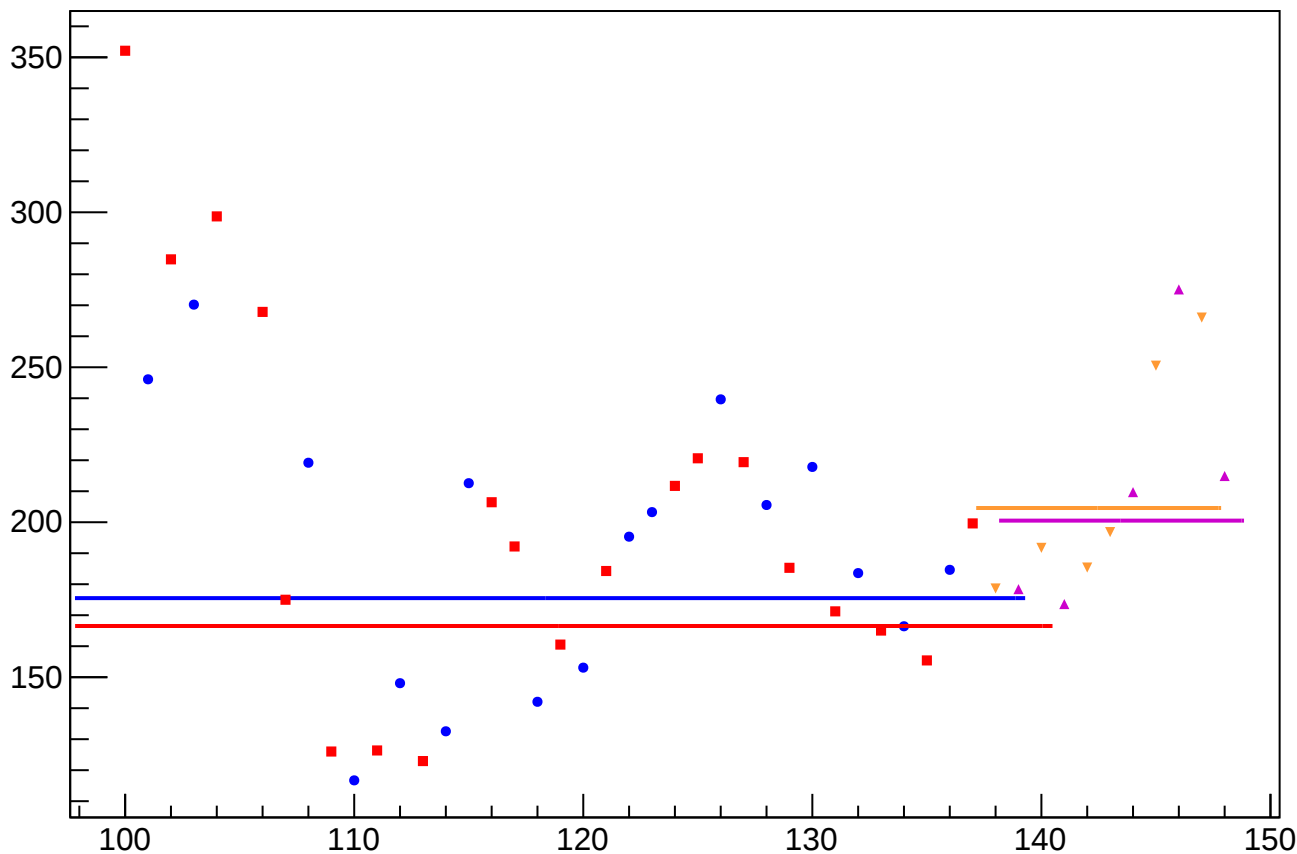
Right Out: 2641.642+/-65.566 χ^2/NDF : 3178.3/19

Left In: 14771.665+/-102.383 χ^2/NDF : 2463.3/4

69.717+/-58.153 χ^2/NDF : 11216.0/22

6169.473+/-55.214 χ^2/NDF : 15596.1/24

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514+/-0.050 χ^2/NDF : 689642.3/16

Left Out: 204.592+/-0.072 χ^2/NDF :182368.8/5

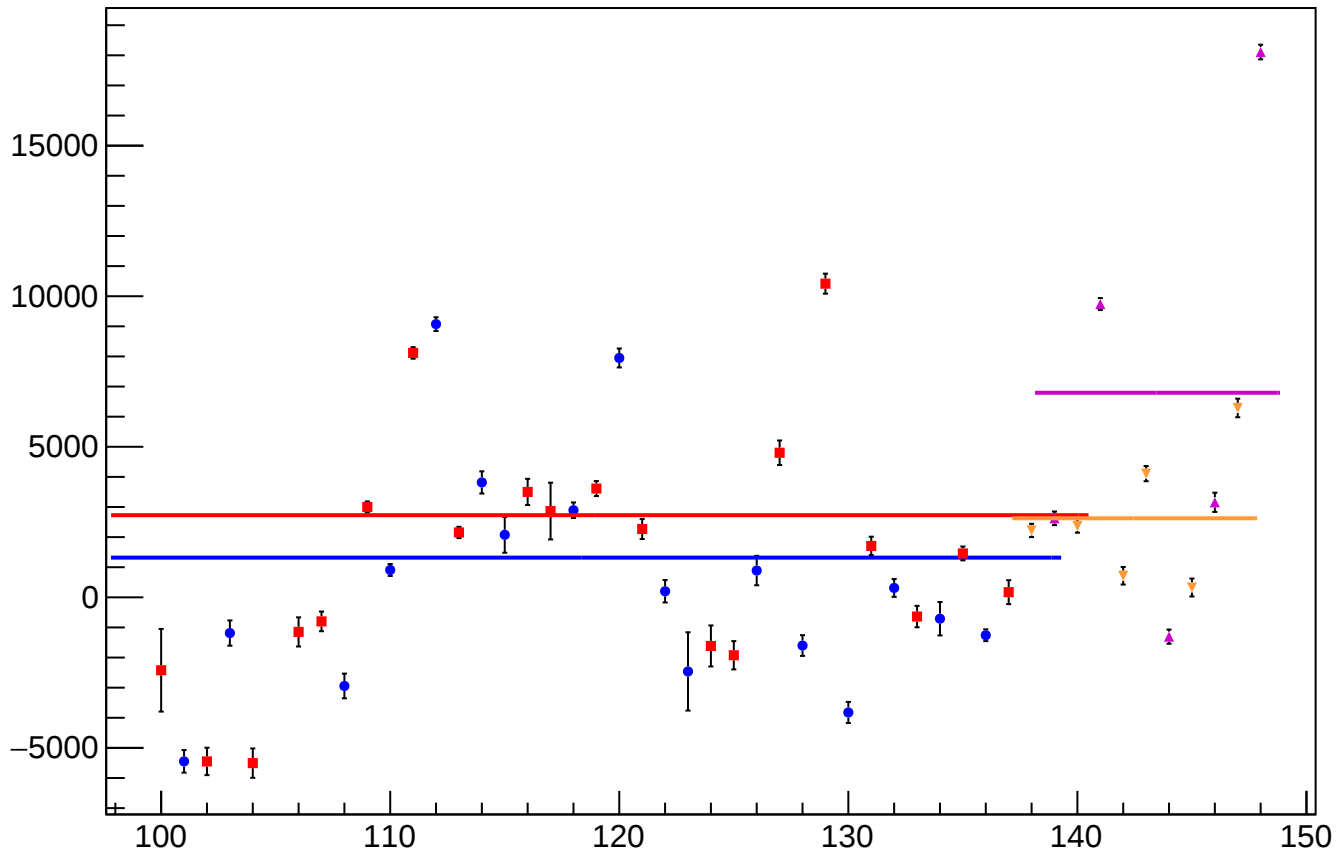
Right Out: 166.522+/-0.046 χ^2/NDF : 931079.9/19

Left In: 200.520+/-0.072 χ^2/NDF :189093.7/4

184.949+/-0.041 χ^2/NDF : 981610.2/22

176.410+/-0.039 χ^2/NDF : 1276564.4/24

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009 ± 77.146 χ^2/NDF : 2667.0/16

Left Out: 2625.622 ± 105.724 χ^2/NDF : 282.1/5

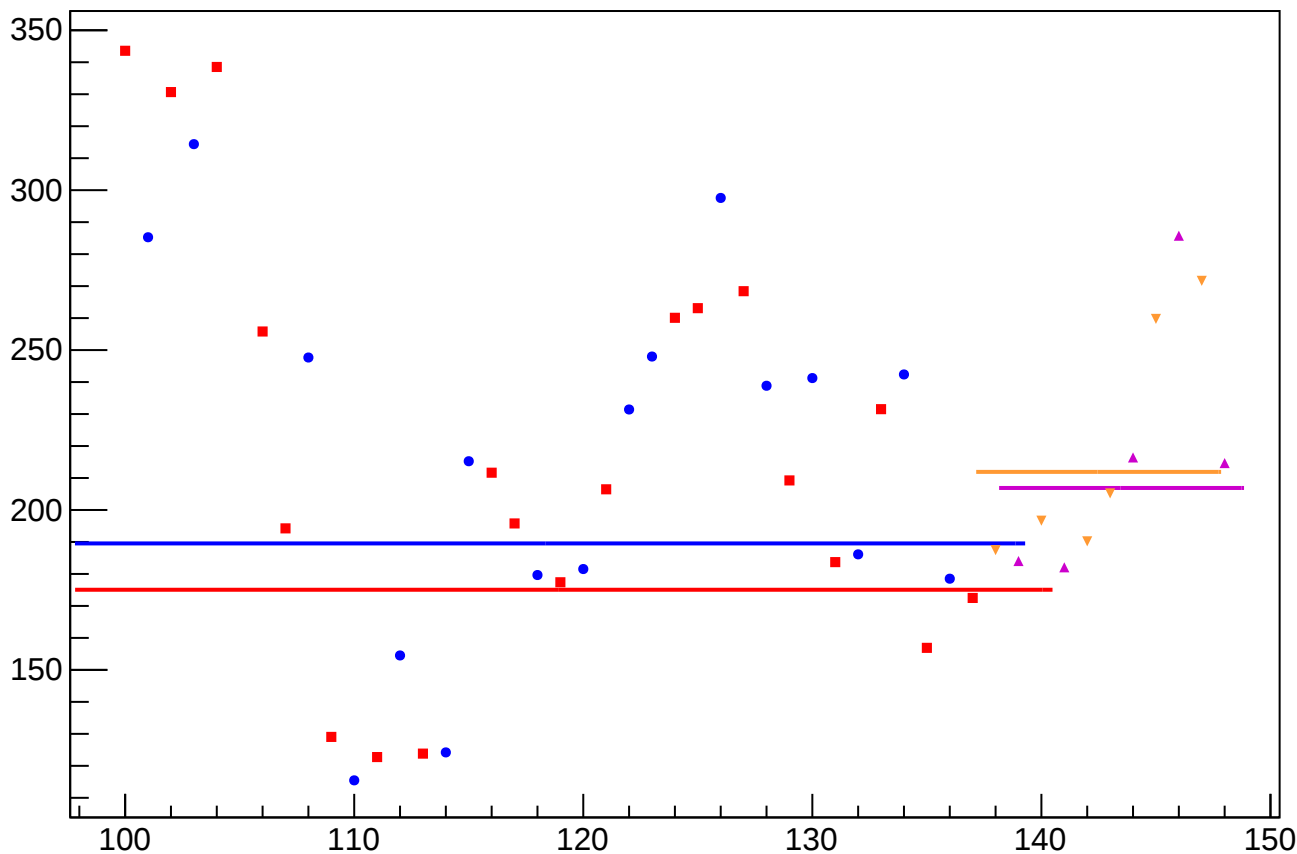
Right Out: 2728.550 ± 69.837 χ^2/NDF : 2495.9/19

Left In: 6794.275 ± 105.606 χ^2/NDF : 4032.2/4

1772.992 ± 62.319 χ^2/NDF : 3048.8/22

3965.573 ± 58.252 χ^2/NDF : 7559.3/24

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 ± 0.055 $\chi^2/\text{NDF}: 980744.6/16$

Left Out: 211.914 ± 0.075 $\chi^2/\text{NDF}: 172697.3/5$

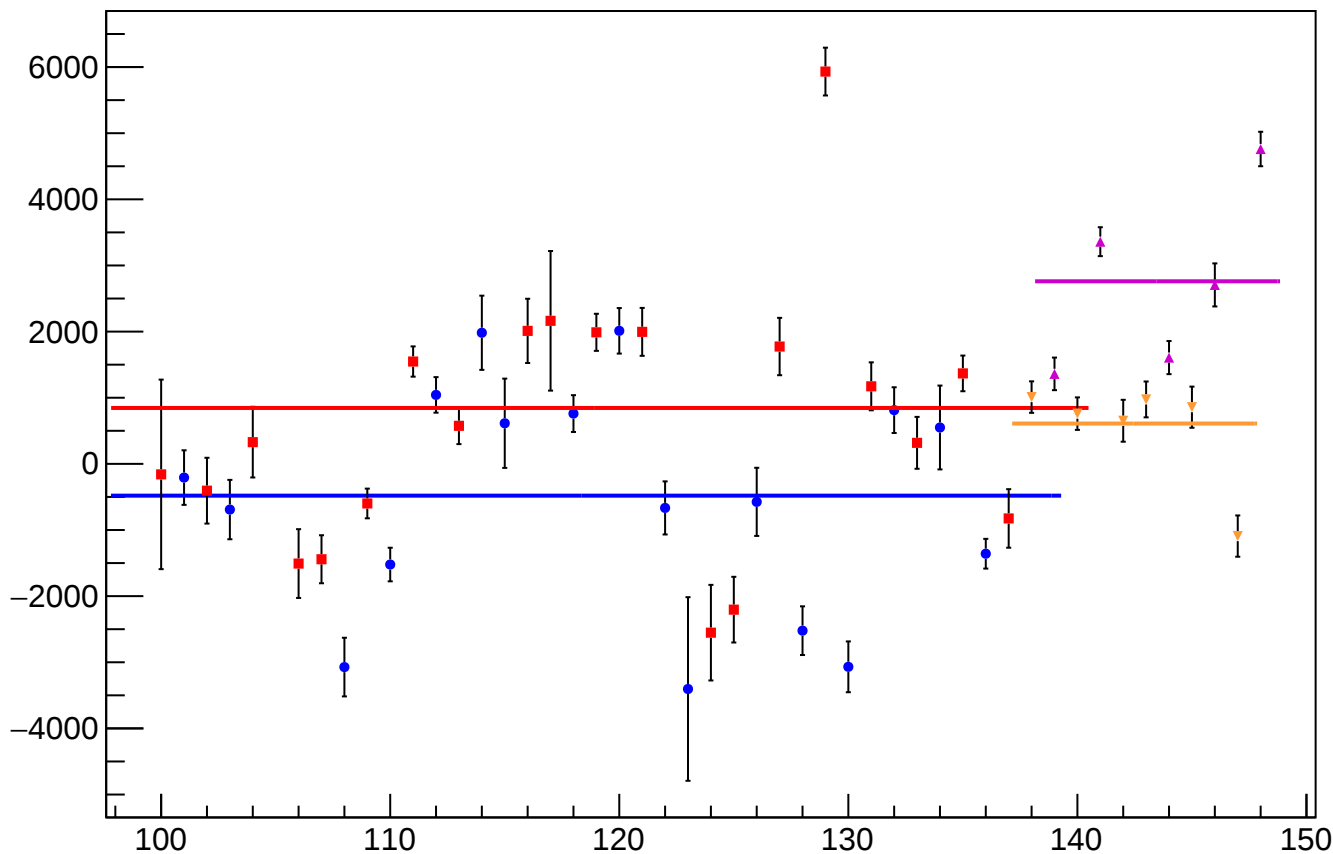
Right Out: 175.058 ± 0.049 $\chi^2/\text{NDF}: 1298079.7/19$

Left In: 206.884 ± 0.075 $\chi^2/\text{NDF}: 178815.1/4$

197.317 ± 0.044 $\chi^2/\text{NDF}: 1211868.5/22$

184.741 ± 0.041 $\chi^2/\text{NDF}: 1603270.8/24$

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 $\chi^2/\text{NDF}: 290.7/16$

Left Out: 609.808 ± 112.958 $\chi^2/\text{NDF}: 35.4/5$

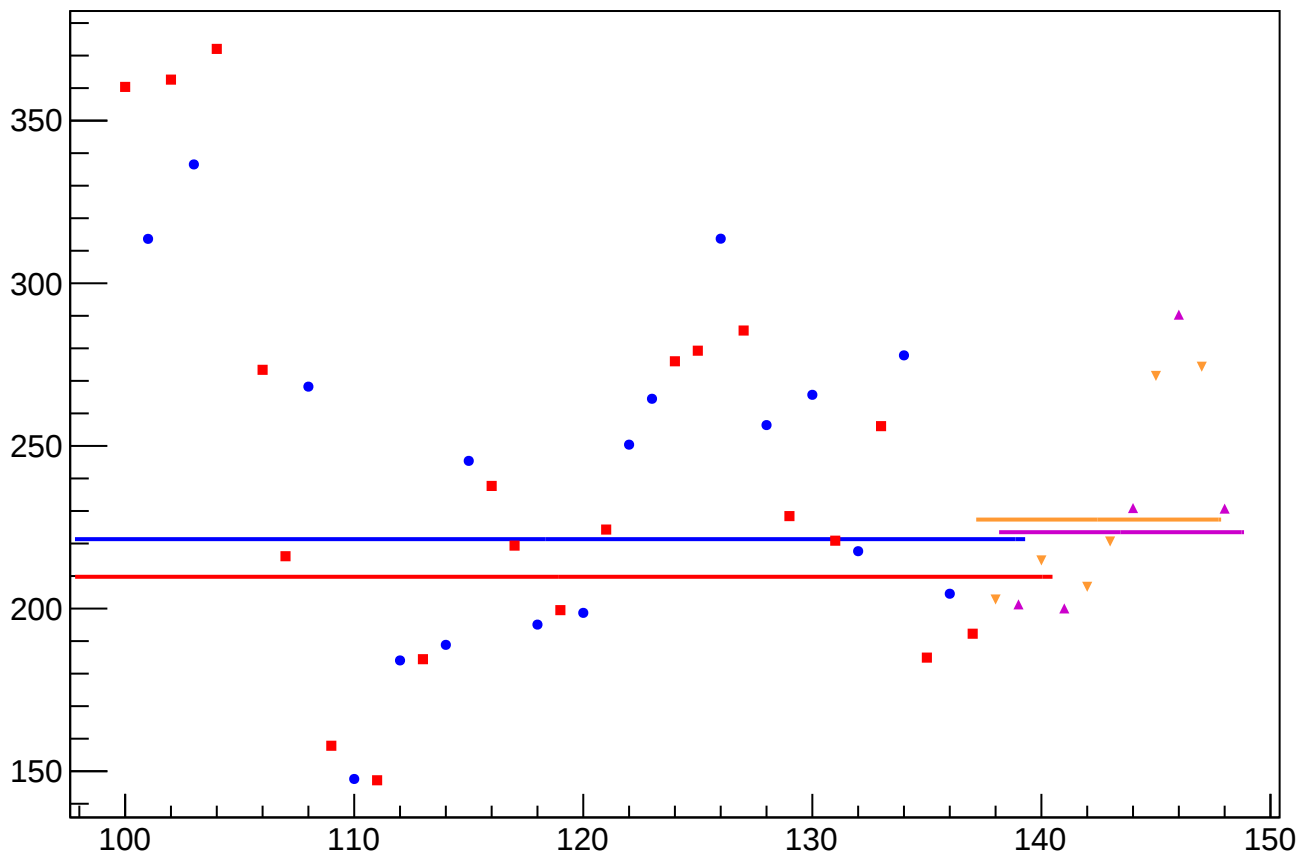
Right Out: 845.444 ± 81.995 $\chi^2/\text{NDF}: 436.9/19$

Left In: 2760.820 ± 113.537 $\chi^2/\text{NDF}: 120.1/4$

-65.026 ± 69.733 $\chi^2/\text{NDF}: 383.8/22$

1501.989 ± 66.472 $\chi^2/\text{NDF}: 744.0/24$

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 227.363 $\pm$ 0.080 χ^2 /NDF: 121952.7/5

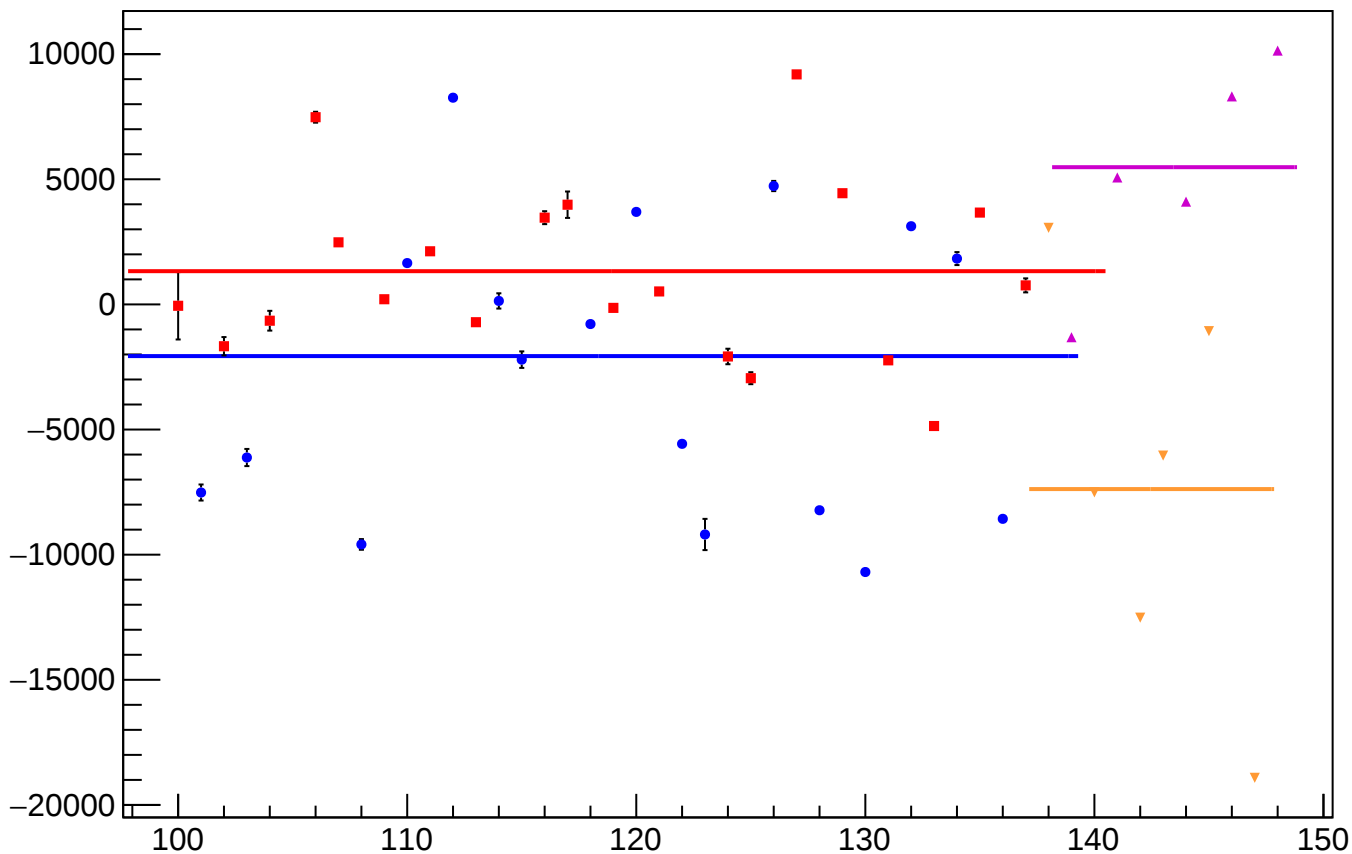
Right Out: 209.775 $\pm$ 0.058 χ^2 /NDF: 884083.7/19

Left In: 223.481 $\pm$ 0.080 χ^2 /NDF: 126994.7/4

223.637 $\pm$ 0.049 χ^2 /NDF: 771157.1/22

214.473 $\pm$ 0.047 χ^2 /NDF: 1030233.4/24

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160+/-47.322 χ^2/NDF : 16533.3/16

Left Out: -7378.795+/-53.852 χ^2/NDF :18867.5/5

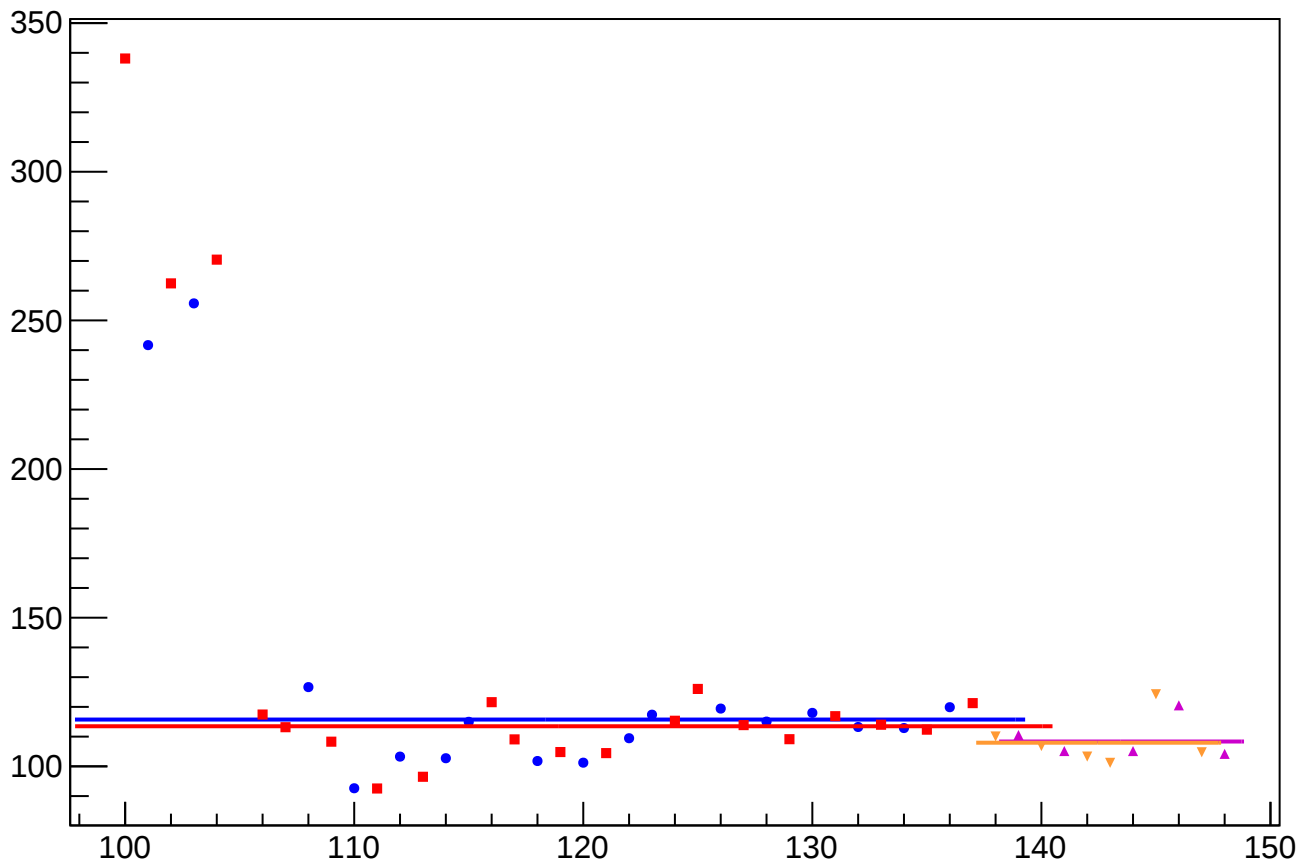
Right Out: 1327.819+/-44.838 χ^2/NDF : 5919.9/19

Left In: 5483.061+/-54.944 χ^2/NDF :4644.3/4

-4380.429+/-35.548 χ^2/NDF : 40894.5/22

2988.883+/-34.739 χ^2/NDF : 13997.2/24

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 $\pm$ 0.033 χ^2 /NDF: 744017.7/16

Left Out: 107.953 $\pm$ 0.038 χ^2 /NDF: 35316.3/5

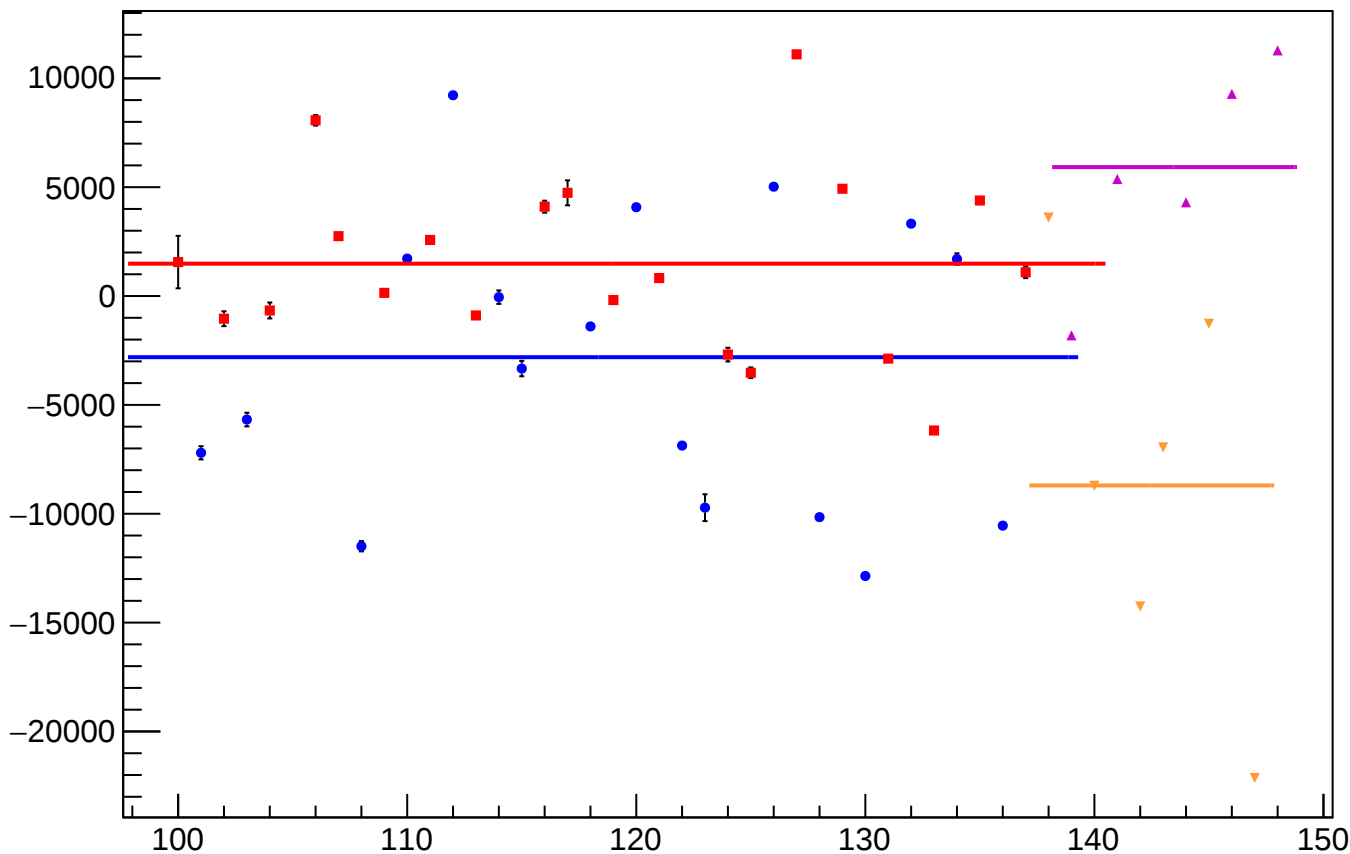
Right Out: 113.487 $\pm$ 0.032 χ^2 /NDF: 796781.7/19

Left In: 108.354 $\pm$ 0.039 χ^2 /NDF: 22355.1/4

112.347 $\pm$ 0.025 χ^2 /NDF: 802934.8/22

111.435 $\pm$ 0.025 χ^2 /NDF: 829614.7/24

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101 ± 48.284 χ^2/NDF : 21263.1/16

Left Out: -8699.787 ± 58.136 χ^2/NDF : 21957.3/5

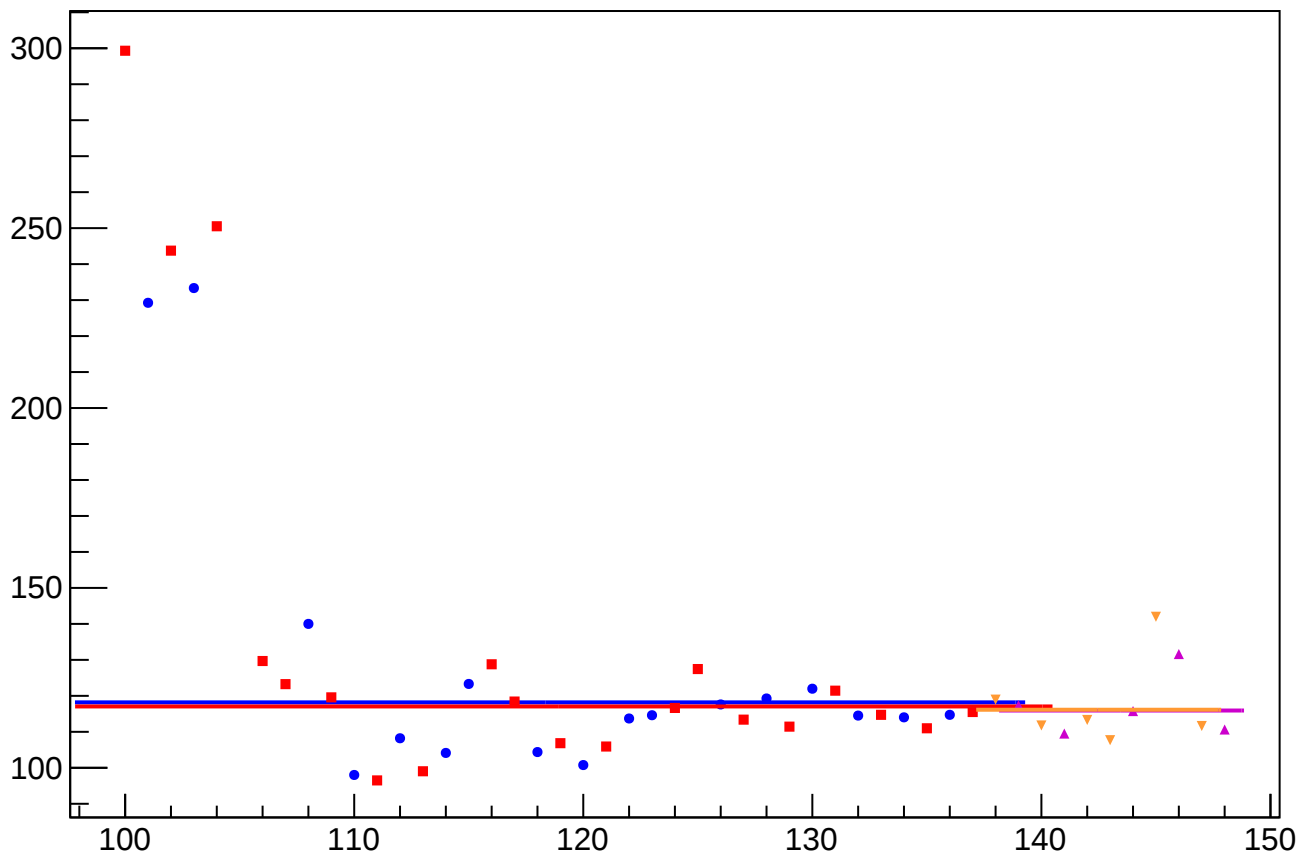
Right Out: 1486.369 ± 46.243 χ^2/NDF : 8037.1/19

Left In: 5923.029 ± 58.909 χ^2/NDF : 5370.5/4

-5213.776 ± 37.144 χ^2/NDF : 49296.3/22

3177.959 ± 36.375 χ^2/NDF : 16917.1/24

asym_bpm2i01WS_rms vs Slug



Right In: 118.188 ± 0.034 χ^2/NDF : 636252.0/16

Left Out: 116.139 ± 0.041 χ^2/NDF : 63477.2/5

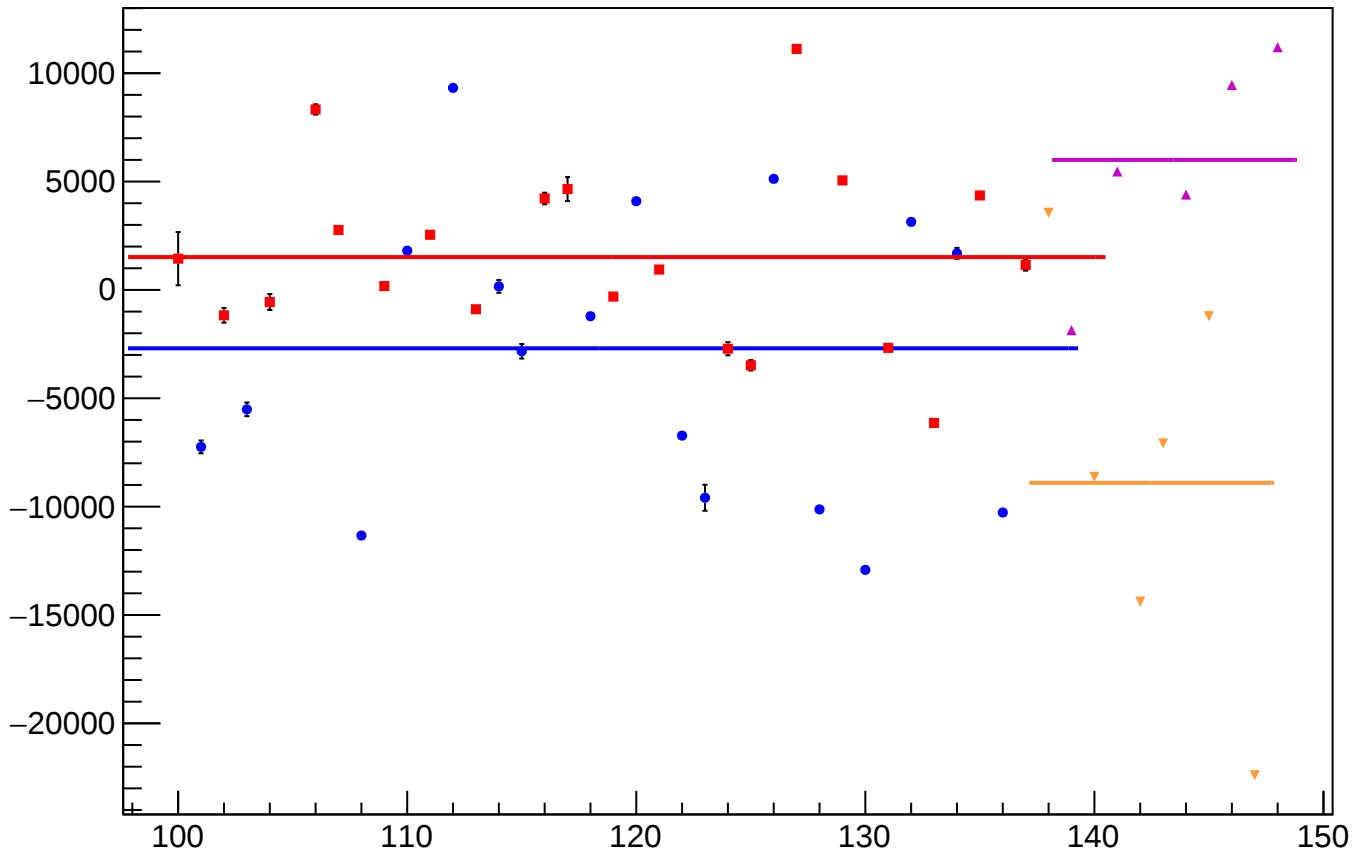
Right Out: 117.054 ± 0.033 χ^2/NDF : 690646.8/19

Left In: 115.923 ± 0.042 χ^2/NDF : 32049.9/4

117.351 ± 0.026 χ^2/NDF : 701200.3/22

116.623 ± 0.026 χ^2/NDF : 723153.3/24

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 ± 46.347 $\chi^2/\text{NDF}: 22860.3/16$

Left Out: -8901.335 ± 56.153 $\chi^2/\text{NDF}: 24325.7/5$

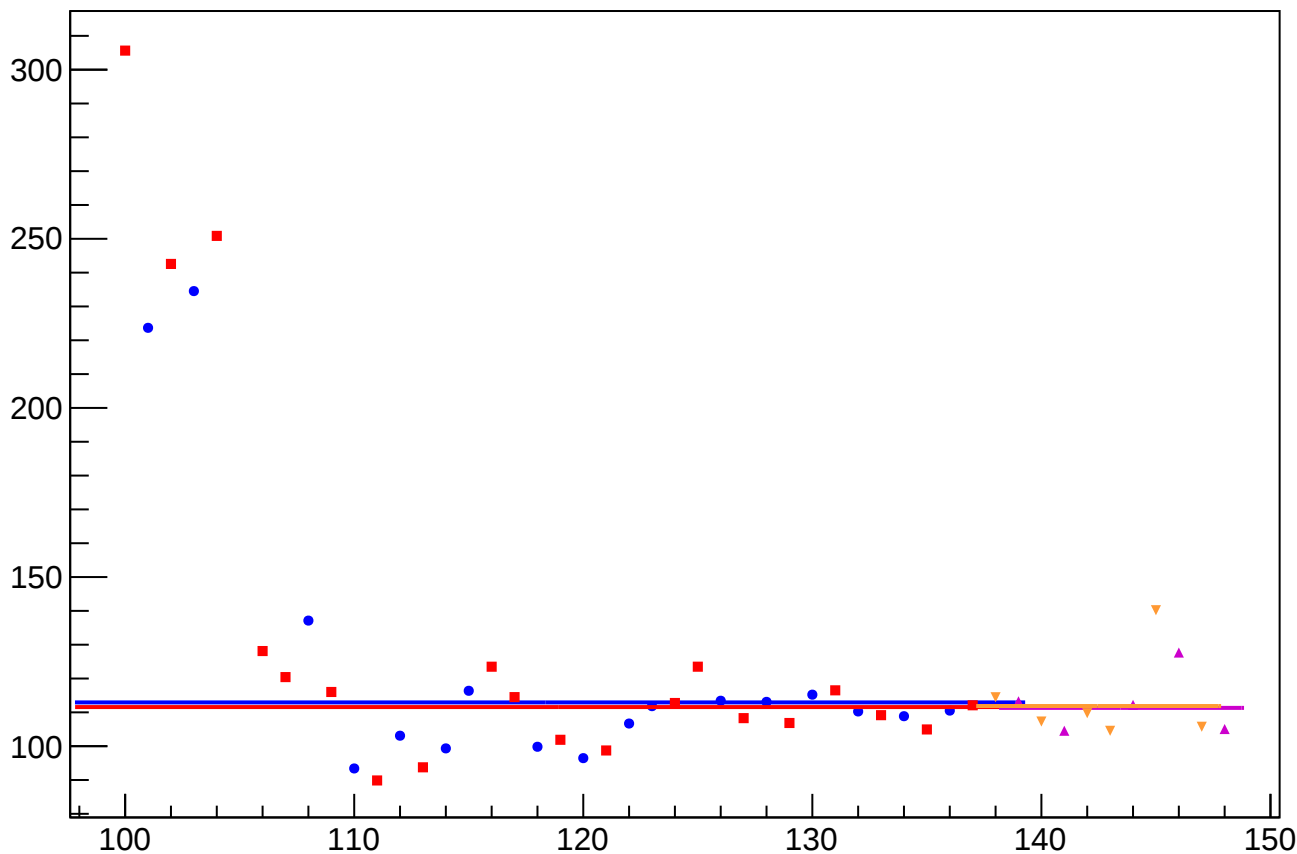
Right Out: 1515.863 ± 44.303 $\chi^2/\text{NDF}: 8749.3/19$

Left In: 5999.198 ± 56.697 $\chi^2/\text{NDF}: 5816.0/4$

-5209.398 ± 35.744 $\chi^2/\text{NDF}: 54453.9/22$

3215.530 ± 34.909 $\chi^2/\text{NDF}: 18447.7/24$

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 111.870 $\pm$ 0.040 χ^2 /NDF: 75758.0/5

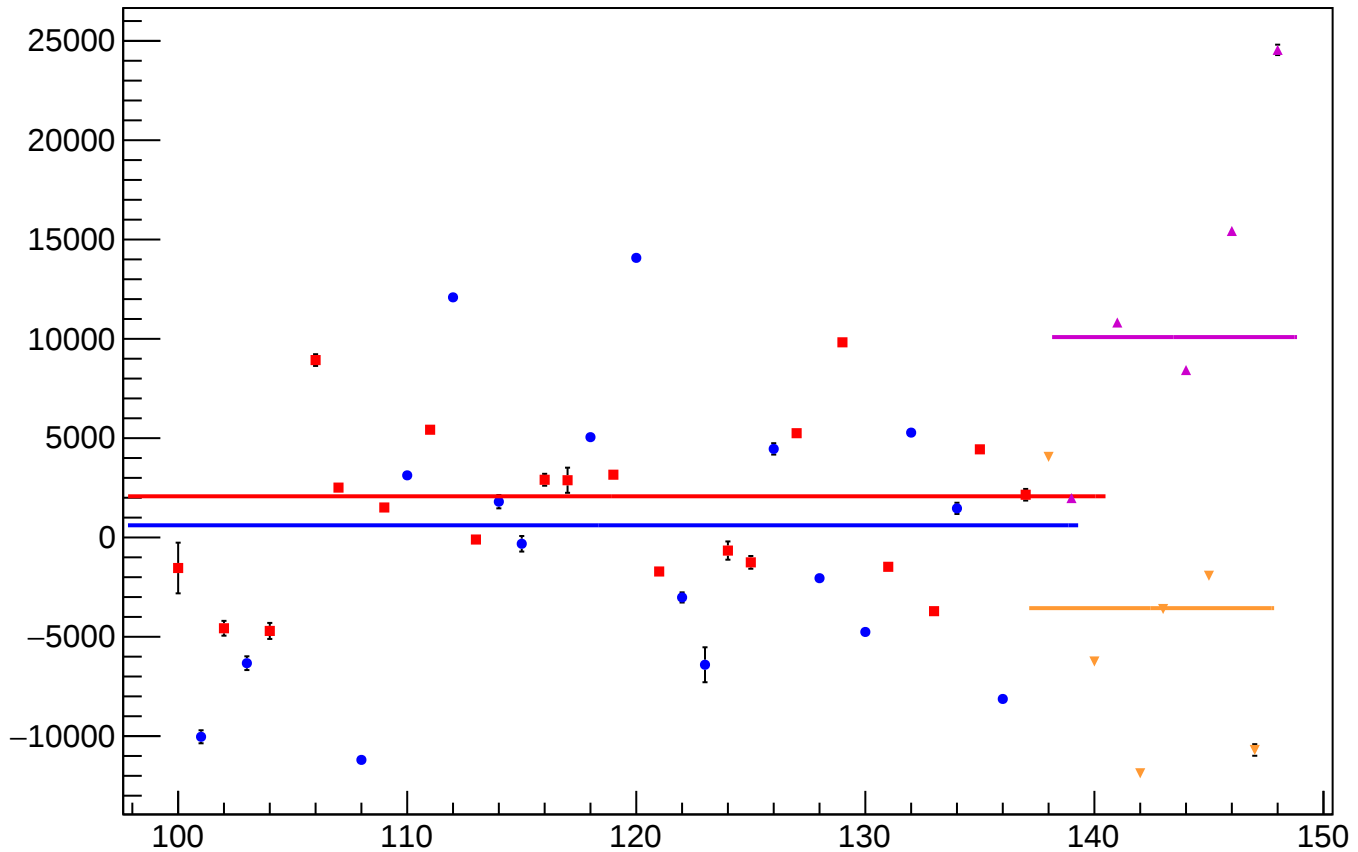
Right Out: 111.562 $\pm$ 0.031 χ^2 /NDF: 765559.1/19

Left In: 111.321 $\pm$ 0.040 χ^2 /NDF: 38923.1/4

112.507 $\pm$ 0.025 χ^2 /NDF: 756473.2/22

111.471 $\pm$ 0.025 χ^2 /NDF: 804504.7/24

asym_bpm0i01WS_mean vs Slug



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -3557.997 ± 78.735 $\chi^2/\text{NDF}: 4550.6/5$

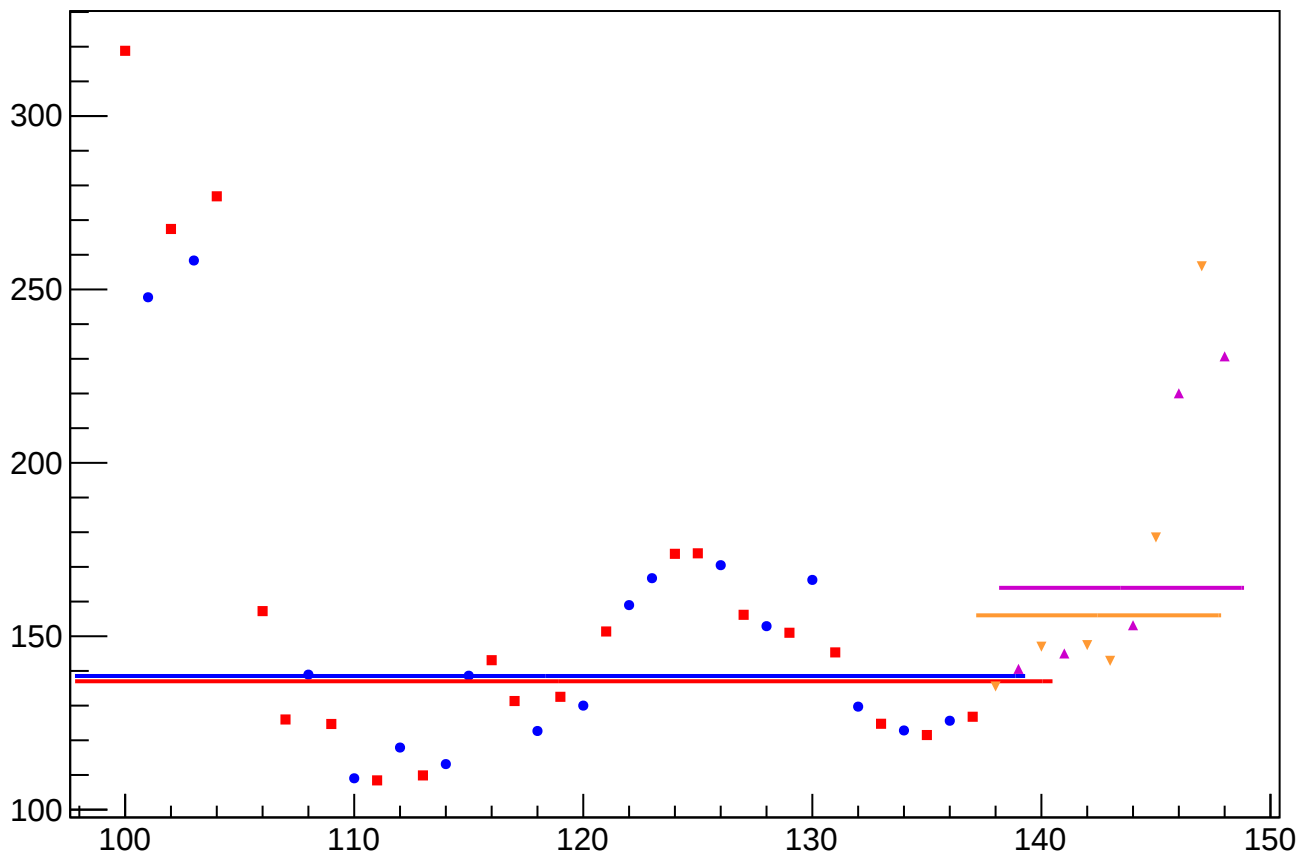
Right Out: 2073.278 ± 53.736 $\chi^2/\text{NDF}: 4644.3/19$

Left In: 10088.706 ± 84.471 $\chi^2/\text{NDF}: 5834.4/4$

-790.470 ± 45.668 $\chi^2/\text{NDF}: 24655.9/22$

4382.499 ± 45.339 $\chi^2/\text{NDF}: 16888.8/24$

asym_bpm0i01WS_rms vs Slug



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 156.033 $\pm$ 0.056 χ^2 /NDF: 315889.1/5

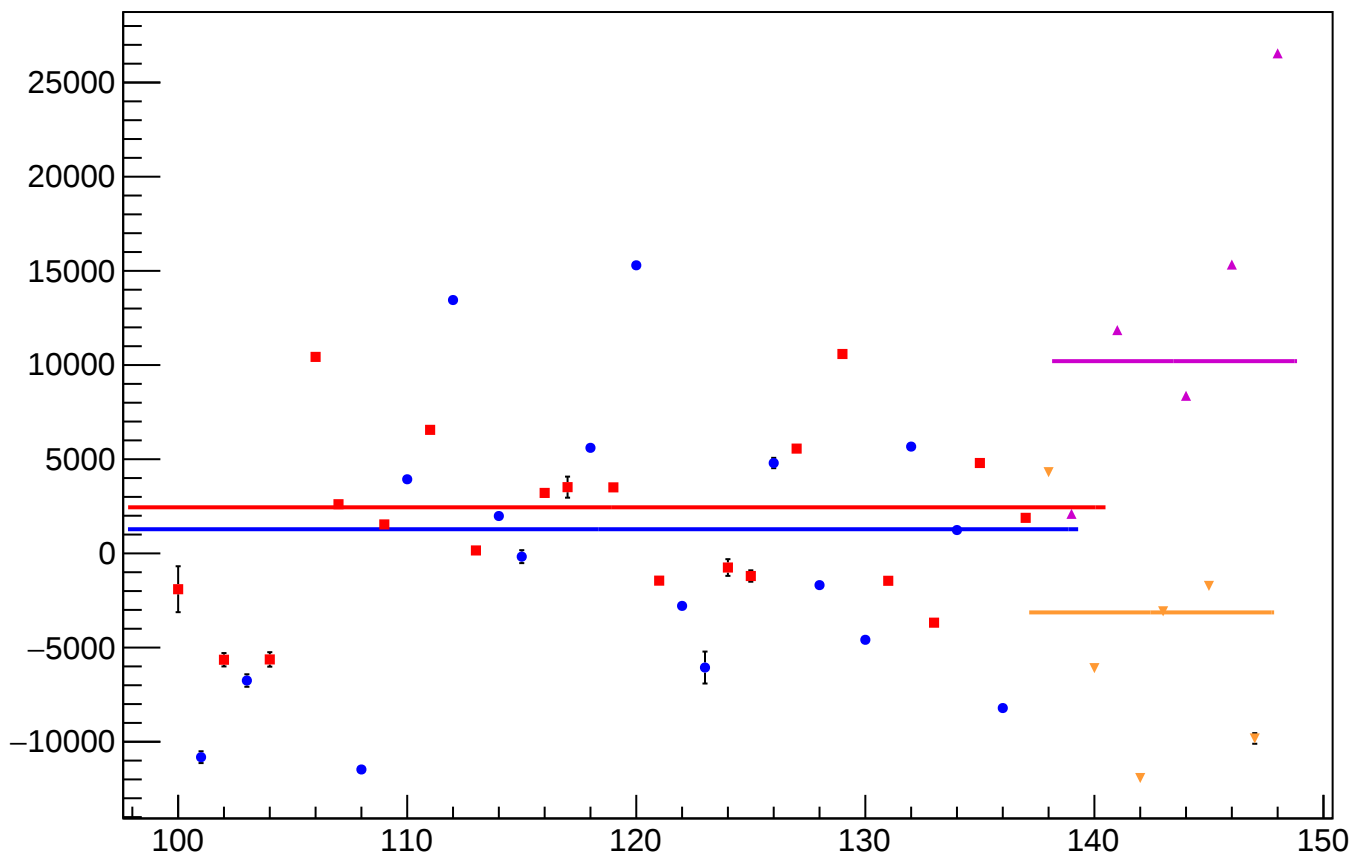
Right Out: 137.019 $\pm$ 0.038 χ^2 /NDF: 755655.0/19

Left In: 163.961 $\pm$ 0.060 χ^2 /NDF: 308497.5/4

144.426 $\pm$ 0.032 χ^2 /NDF: 1050329.3/22

144.781 $\pm$ 0.032 χ^2 /NDF: 1208988.1/24

asym_bpm0i01aWS_mean vs Slug



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -3133.113+/-69.948 χ^2/NDF : 5923.2/5

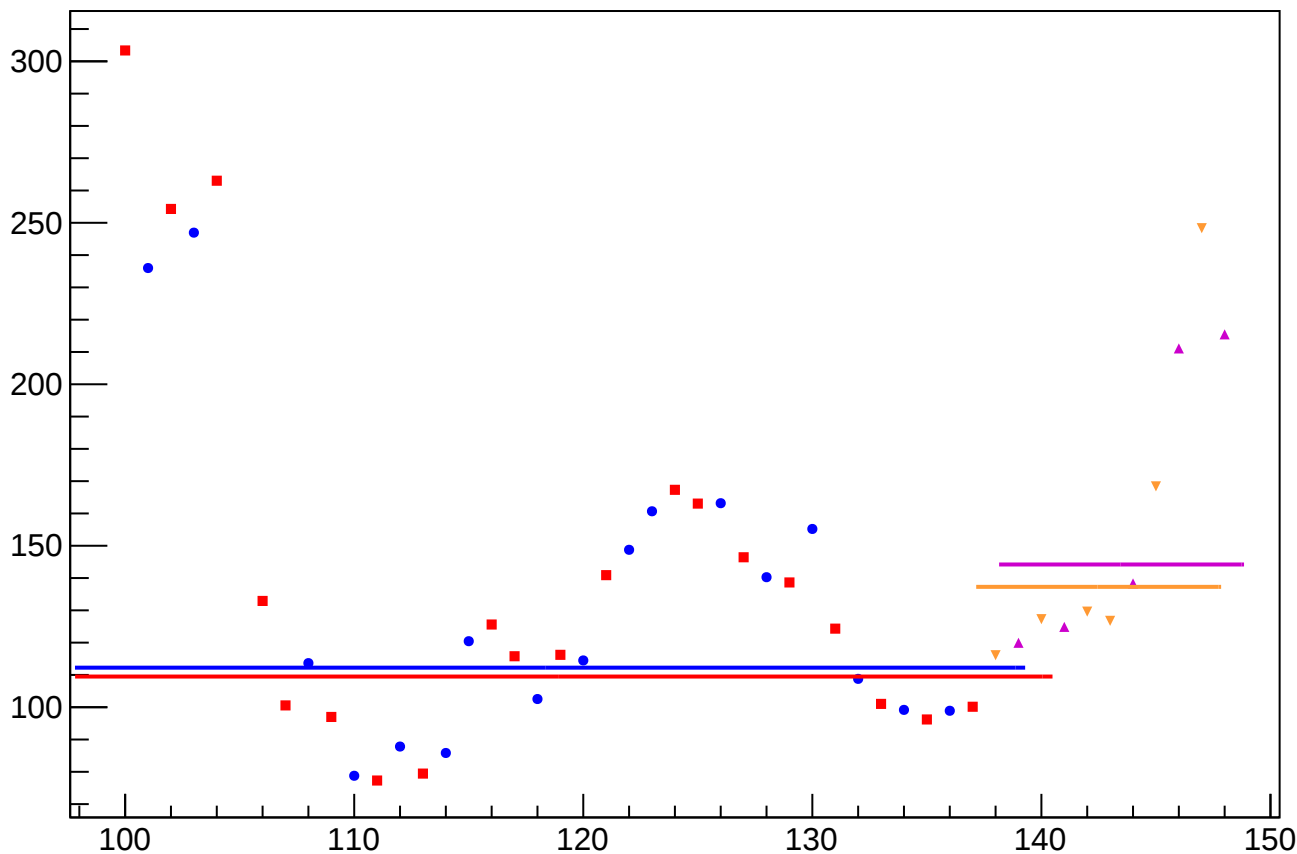
Right Out: 2446.970+/-44.148 χ^2/NDF : 7681.2/19

Left In: 10206.814+/-75.158 χ^2/NDF : 8133.7/4

-73.395+/-38.766 χ^2/NDF : 39225.6/22

4437.559+/-38.066 χ^2/NDF : 23740.3/24

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 137.272+/-0.049 χ^2/NDF : 431135.4/5

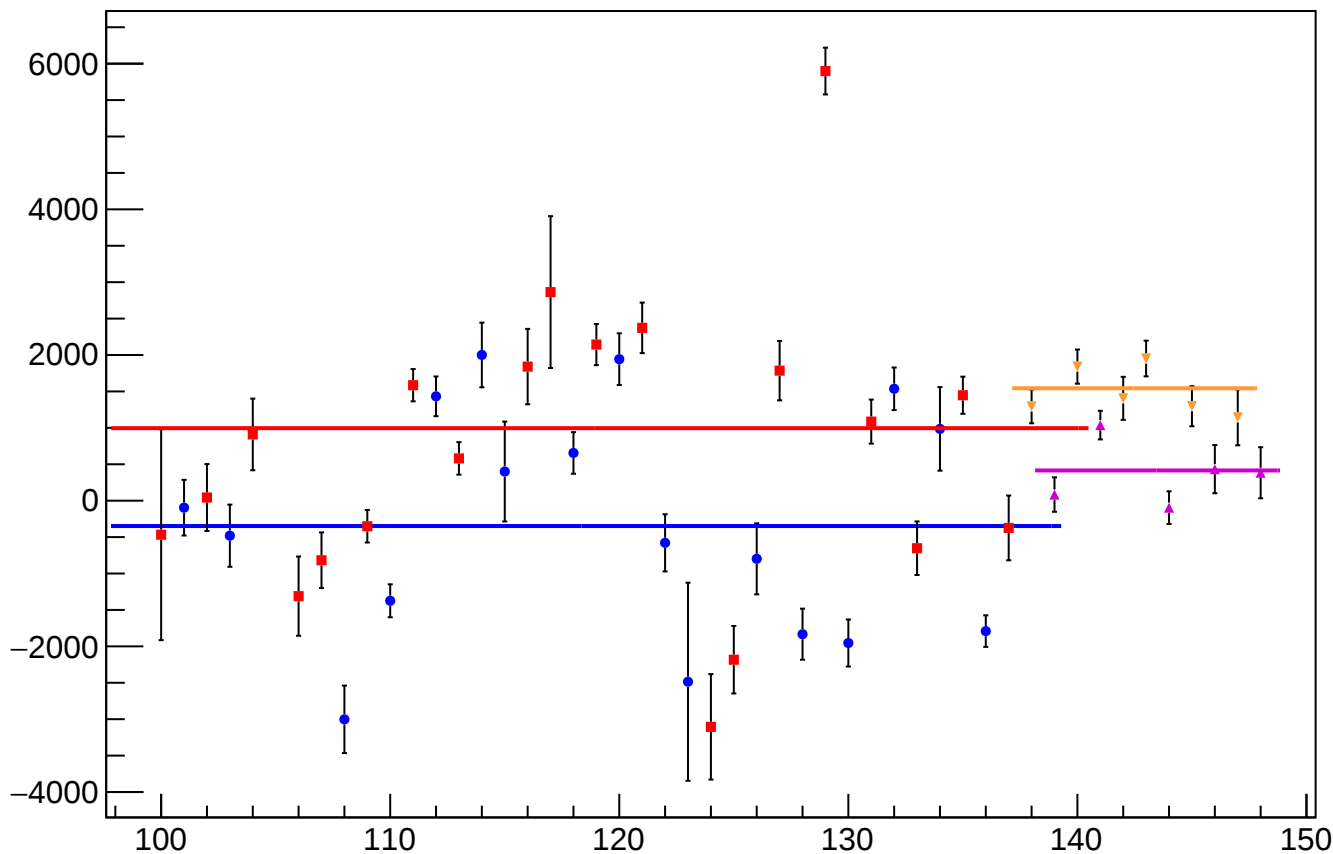
Right Out: 109.500+/-0.031 χ^2/NDF : 1269887.8/19

Left In: 144.198+/-0.053 χ^2/NDF : 425472.0/4

119.936+/-0.027 χ^2/NDF : 1733988.5/22

118.401+/-0.027 χ^2/NDF : 2012293.3/24

asym_bpm0l01WS_mean vs Slug



Right In: -348.055 ± 83.826 χ^2/NDF : 317.3/16

Left Out: 1543.397 ± 108.466 χ^2/NDF : 7.7/5

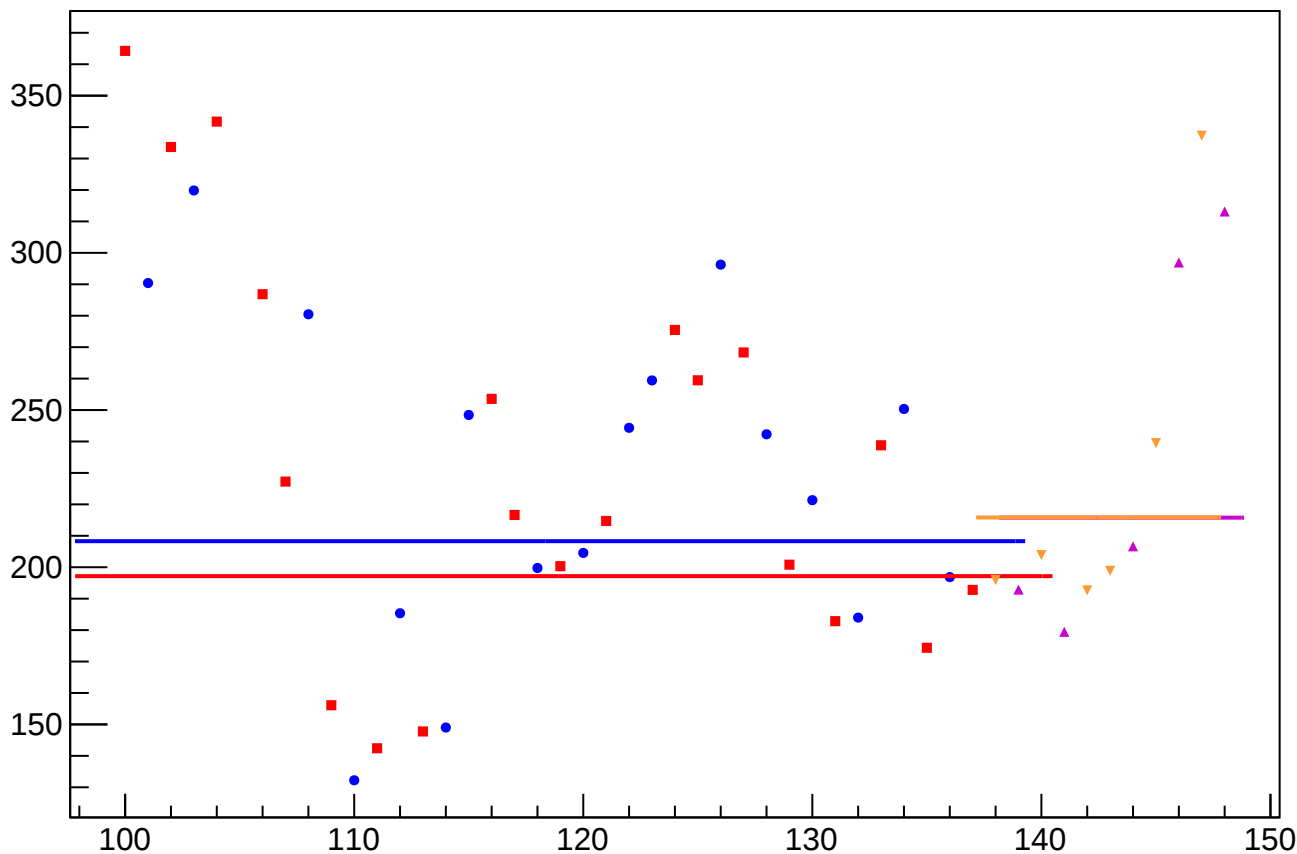
Right Out: 995.622 ± 77.468 χ^2/NDF : 479.8/19

Left In: 415.304 ± 111.112 χ^2/NDF : 17.2/4

359.225 ± 66.327 χ^2/NDF : 515.3/22

805.802 ± 63.548 χ^2/NDF : 515.4/24

asym_bpm0l01WS_rms vs Slug



Right In: 208.288 $\pm$ 0.059 χ^2/NDF : 698491.0/16

Left Out: 215.828 $\pm$ 0.077 χ^2/NDF : 256959.6/5

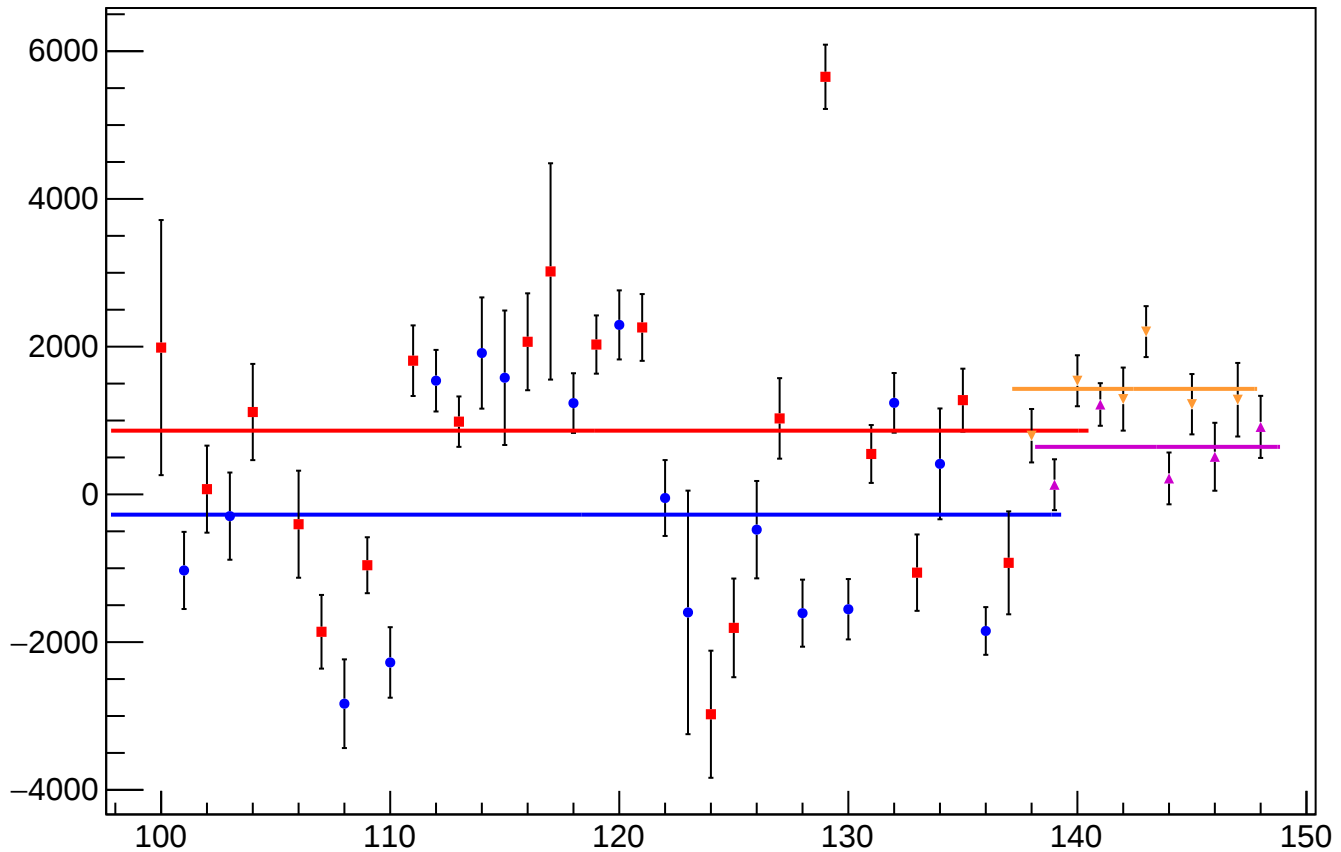
Right Out: 197.159 $\pm$ 0.055 χ^2/NDF : 927487.8/19

Left In: 215.770 $\pm$ 0.079 χ^2/NDF : 365249.8/4

211.107 $\pm$ 0.047 χ^2/NDF : 961501.9/22

203.247 $\pm$ 0.045 χ^2/NDF : 1330495.8/24

asym_bpm0l02WS_mean vs Slug



Right In: -274.260+/-121.326 χ^2/NDF : 171.6/16

Left Out: 1428.547+/-158.177 χ^2/NDF : 8.7/5

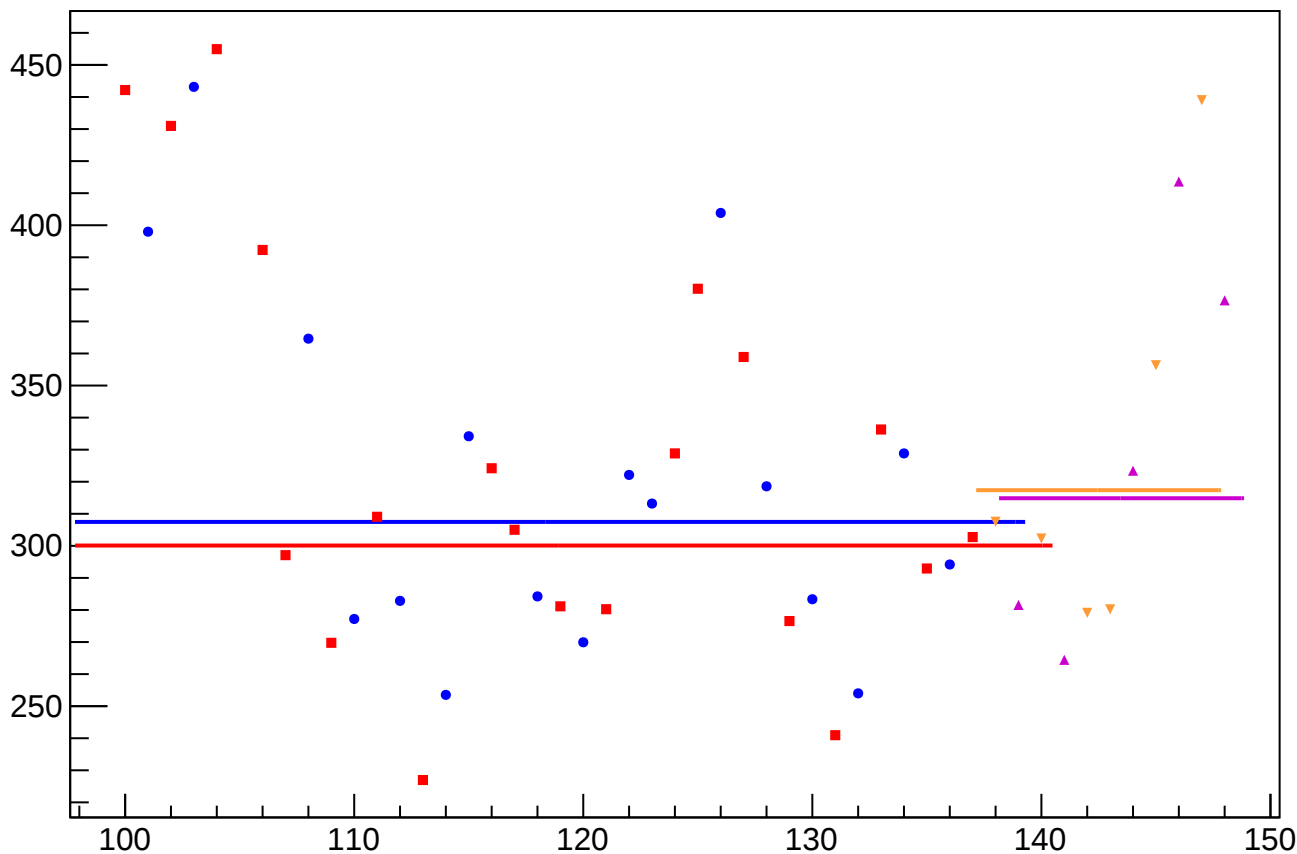
Right Out: 862.791+/-114.993 χ^2/NDF : 265.4/19

Left In: 643.498+/-160.189 χ^2/NDF : 8.2/4

356.470+/-96.268 χ^2/NDF : 253.2/22

788.215+/-93.415 χ^2/NDF : 274.8/24

asym_bpm0l02WS_rms vs Slug



Right In: 307.468 ± 0.086 χ^2/NDF : 323096.7/16

Left Out: 317.361 ± 0.112 χ^2/NDF : 182107.9/5

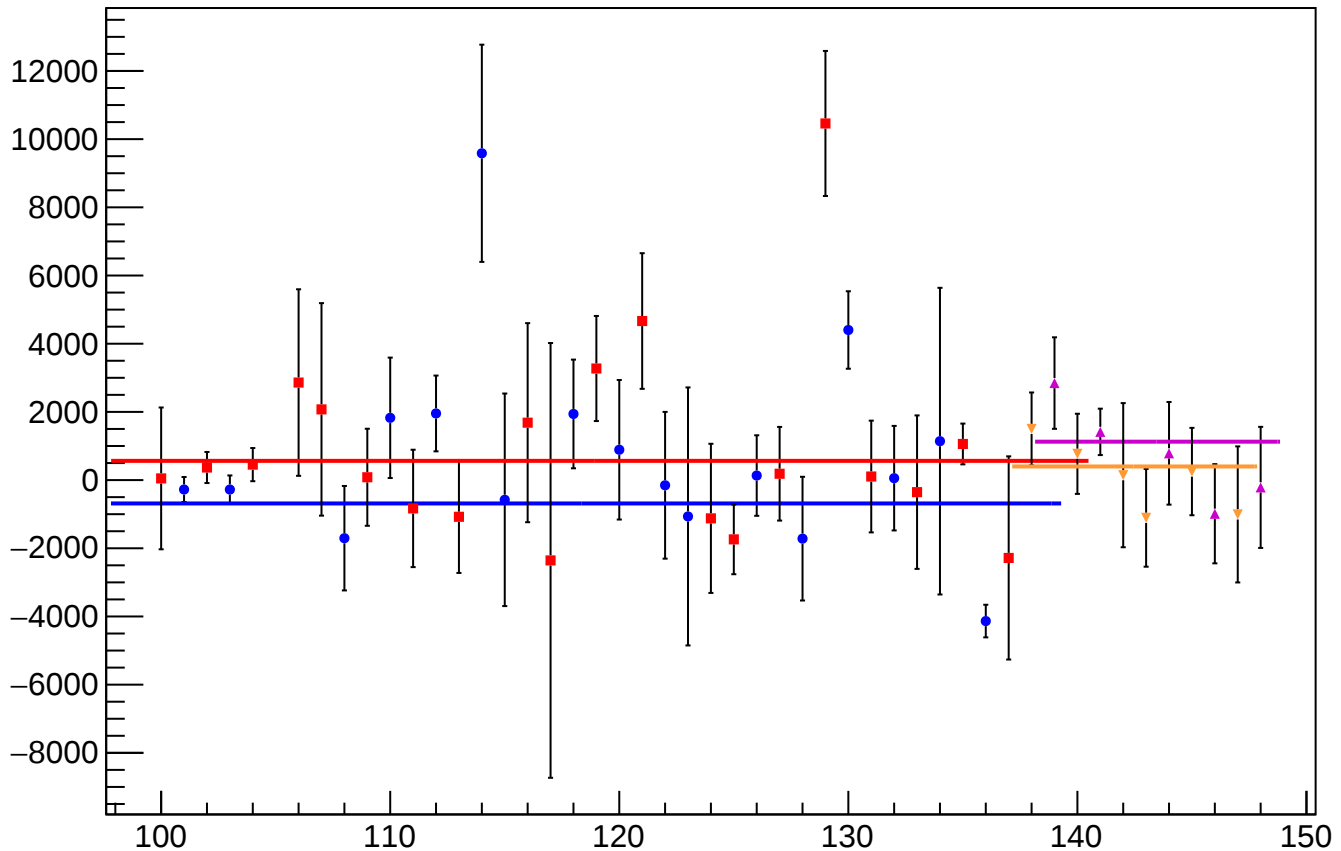
Right Out: 300.100 ± 0.081 χ^2/NDF : 490421.6/19

Left In: 314.855 ± 0.113 χ^2/NDF : 216358.2/4

311.132 ± 0.068 χ^2/NDF : 510130.4/22

305.118 ± 0.066 χ^2/NDF : 717977.7/24

asym_bpm0l03WS_mean vs Slug



Right In: -685.056 ± 210.341 χ^2/NDF : 97.4/16

Left Out: 399.558 ± 561.648 χ^2/NDF : 2.8/5

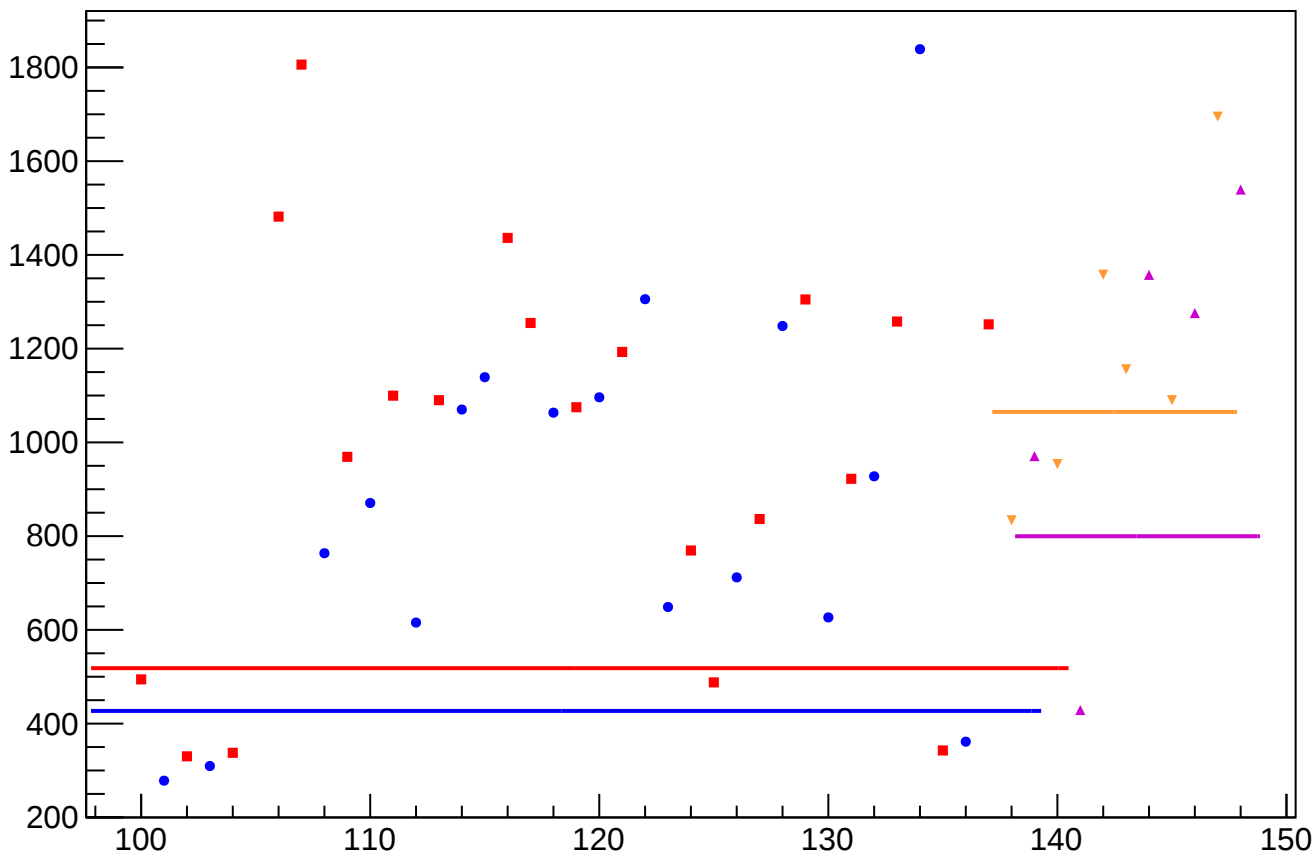
Right Out: 564.400 ± 243.074 χ^2/NDF : 39.9/19

Left In: 1126.823 ± 503.459 χ^2/NDF : 4.6/4

-551.645 ± 196.980 χ^2/NDF : 103.4/22

670.720 ± 218.897 χ^2/NDF : 45.5/24

asym_bpm0l03WS_rms vs Slug



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 1065.037+/-0.397 χ^2/NDF : 358224.9/5

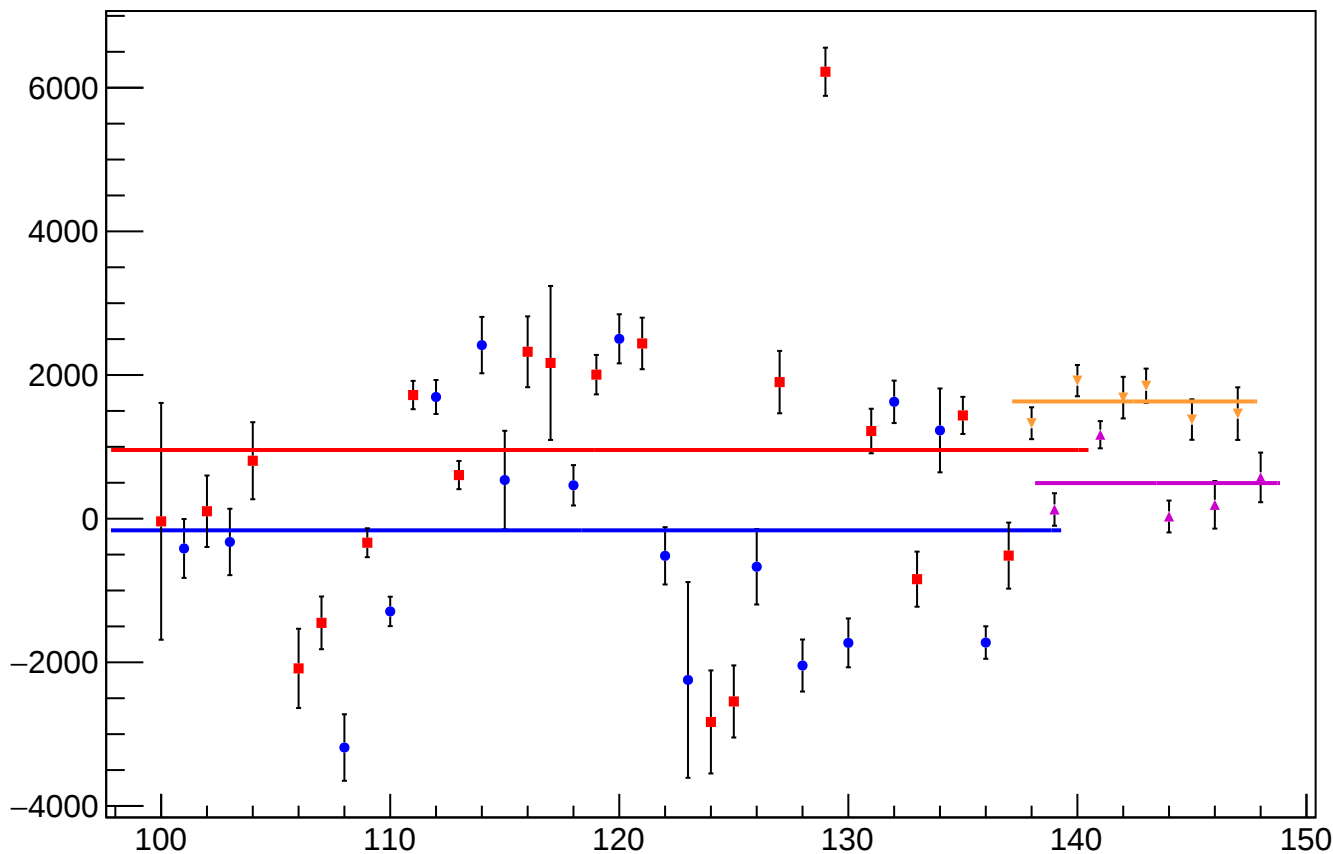
Right Out: 518.306+/-0.172 χ^2/NDF : 3631833.9/19

Left In: 799.750+/-0.356 χ^2/NDF : 1461871.8/4

505.550+/-0.139 χ^2/NDF : 5486893.7/22

571.510+/-0.155 χ^2/NDF : 5600562.7/24

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 χ^2/NDF : 387.6/16

Left Out: 1632.032 ± 104.860 χ^2/NDF : 5.5/5

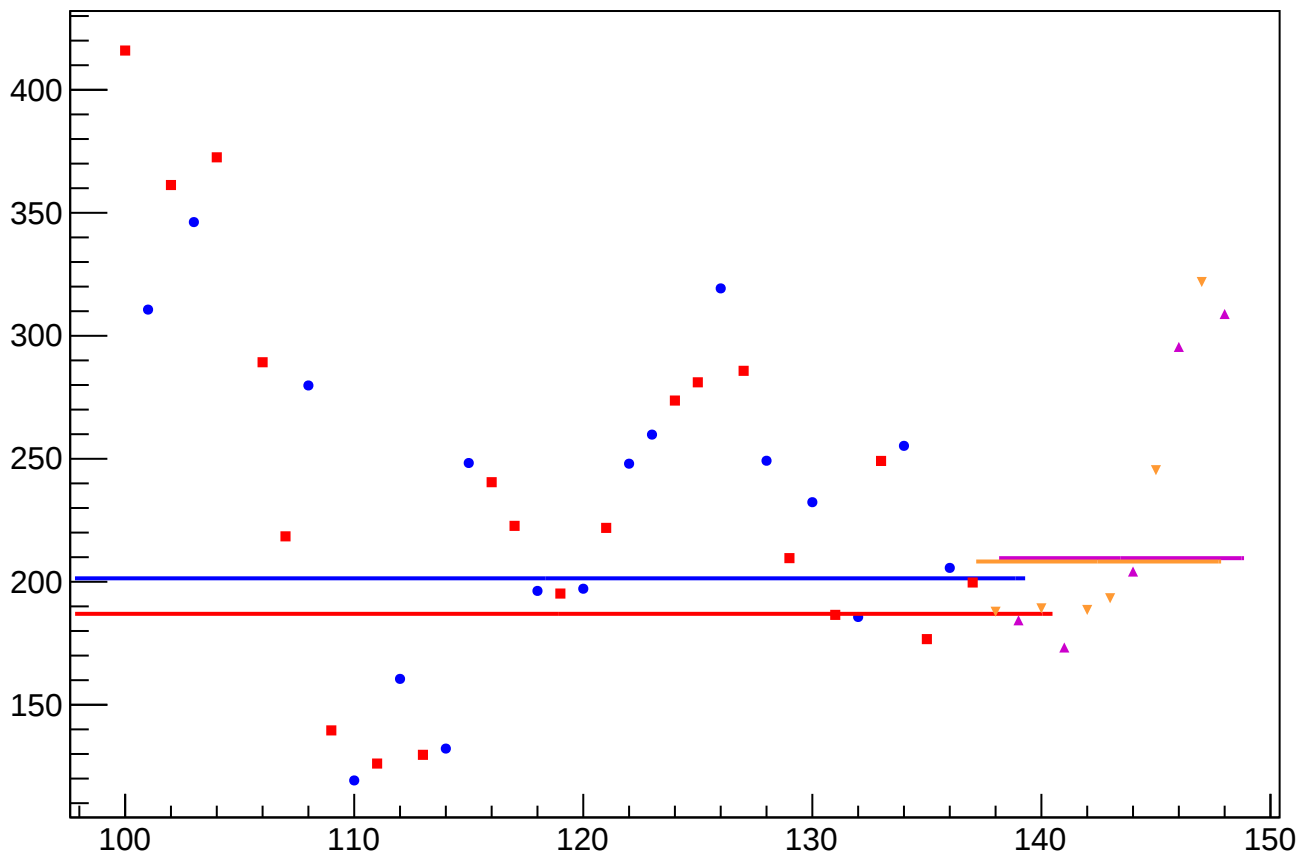
Right Out: 956.044 ± 74.949 χ^2/NDF : 541.1/19

Left In: 495.679 ± 108.326 χ^2/NDF : 20.5/4

522.174 ± 64.765 χ^2/NDF : 574.2/22

807.009 ± 61.635 χ^2/NDF : 573.8/24

asym_bpm0l04WS_rms vs Slug



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 208.245 $\pm$ 0.074 χ^2 /NDF:276378.3/5

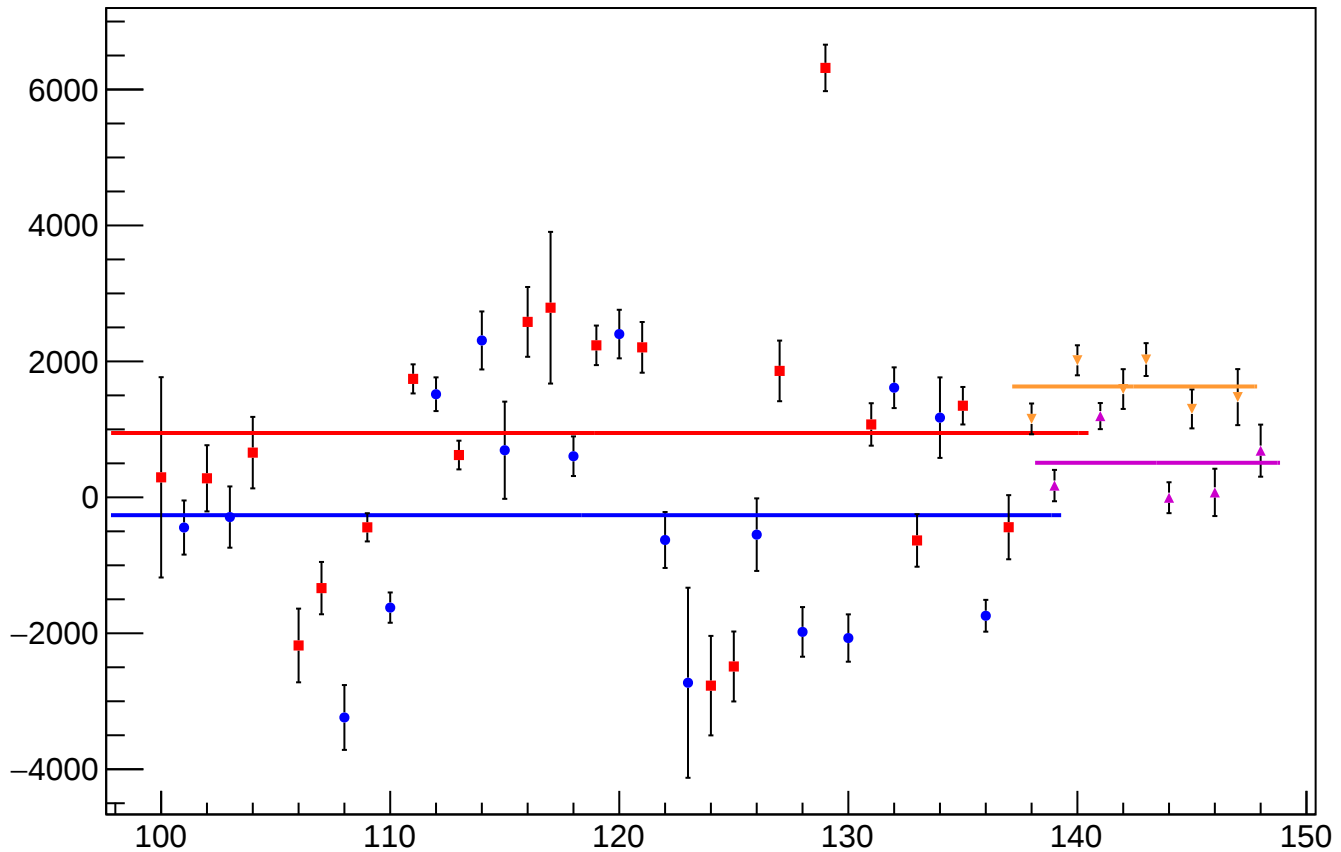
Right Out: 186.973 $\pm$ 0.053 χ^2 /NDF: 1395397.8/19

Left In: 209.603 $\pm$ 0.077 χ^2 /NDF:399270.0/4

204.017 $\pm$ 0.046 χ^2 /NDF: 1337657.2/22

194.299 $\pm$ 0.044 χ^2 /NDF: 1853693.8/24

asym_bpm0l05WS_mean vs Slug



Right In: -262.324+/-85.433 χ^2/NDF : 368.7/16

Left Out: 1630.938+/-107.307 χ^2/NDF : 11.6/5

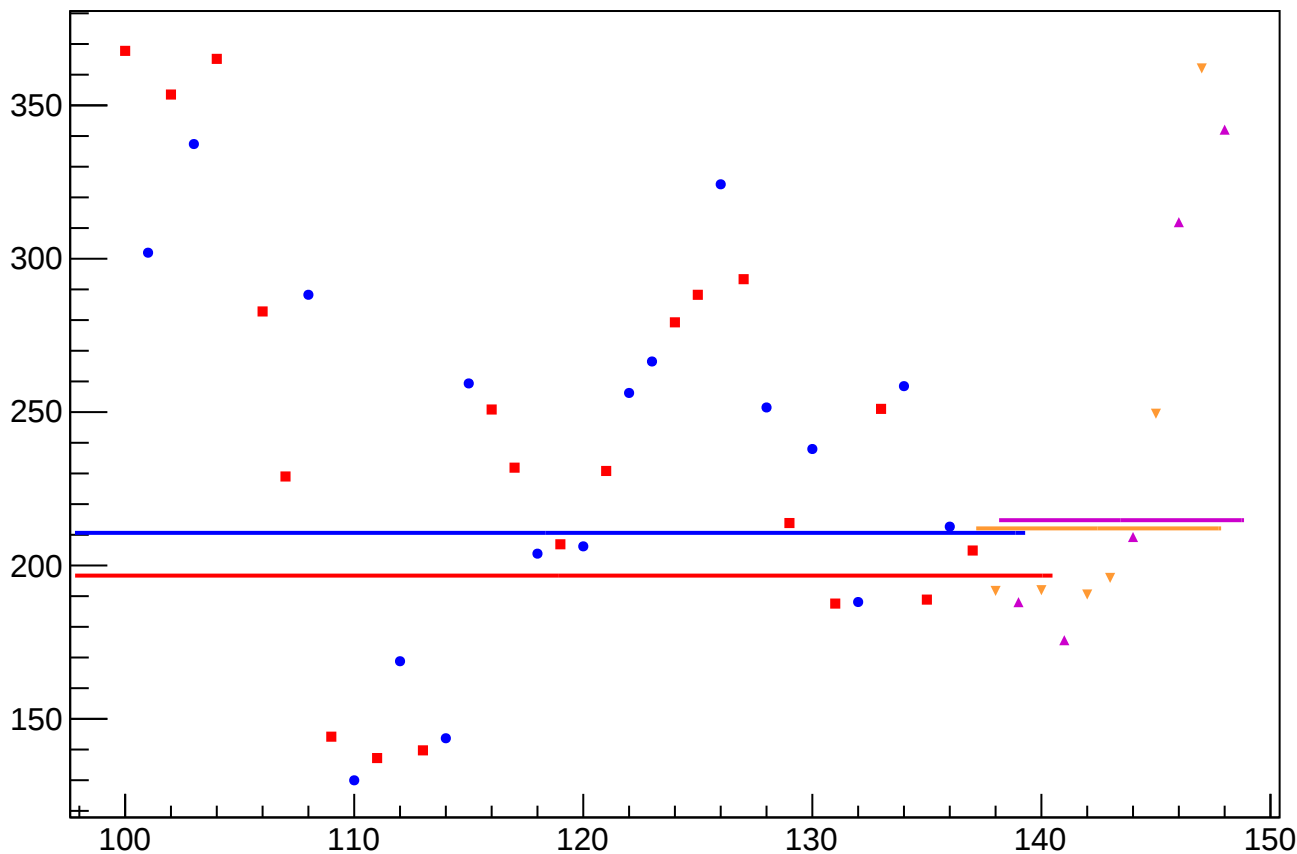
Right Out: 946.785+/-78.241 χ^2/NDF : 524.6/19

Left In: 508.484+/-111.567 χ^2/NDF : 21.8/4

472.174+/-66.837 χ^2/NDF : 570.9/22

802.289+/-64.059 χ^2/NDF : 556.8/24

asym_bpm0l05WS_rms vs Slug



Right In: 210.636+/-0.060 χ^2/NDF : 875776.4/16

Left Out: 212.090+/-0.076 χ^2/NDF : 351299.2/5

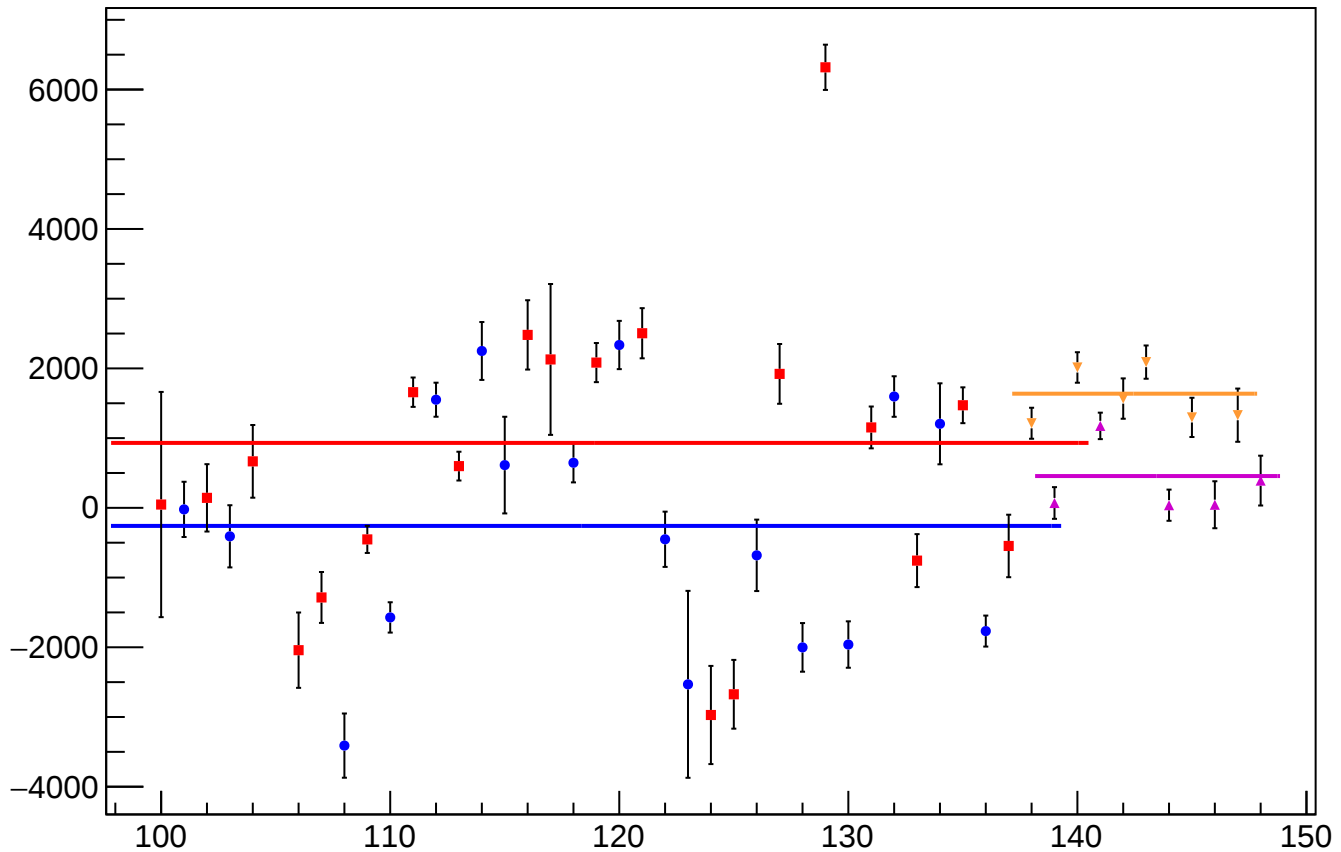
Right Out: 196.702+/-0.055 χ^2/NDF : 1207089.6/19

Left In: 214.768+/-0.079 χ^2/NDF : 487742.4/4

211.200+/-0.047 χ^2/NDF : 1227300.4/22

202.658+/-0.045 χ^2/NDF : 1729983.6/24

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 χ^2/NDF : 391.2/16

Left Out: 1637.350 ± 105.359 χ^2/NDF : 12.4/5

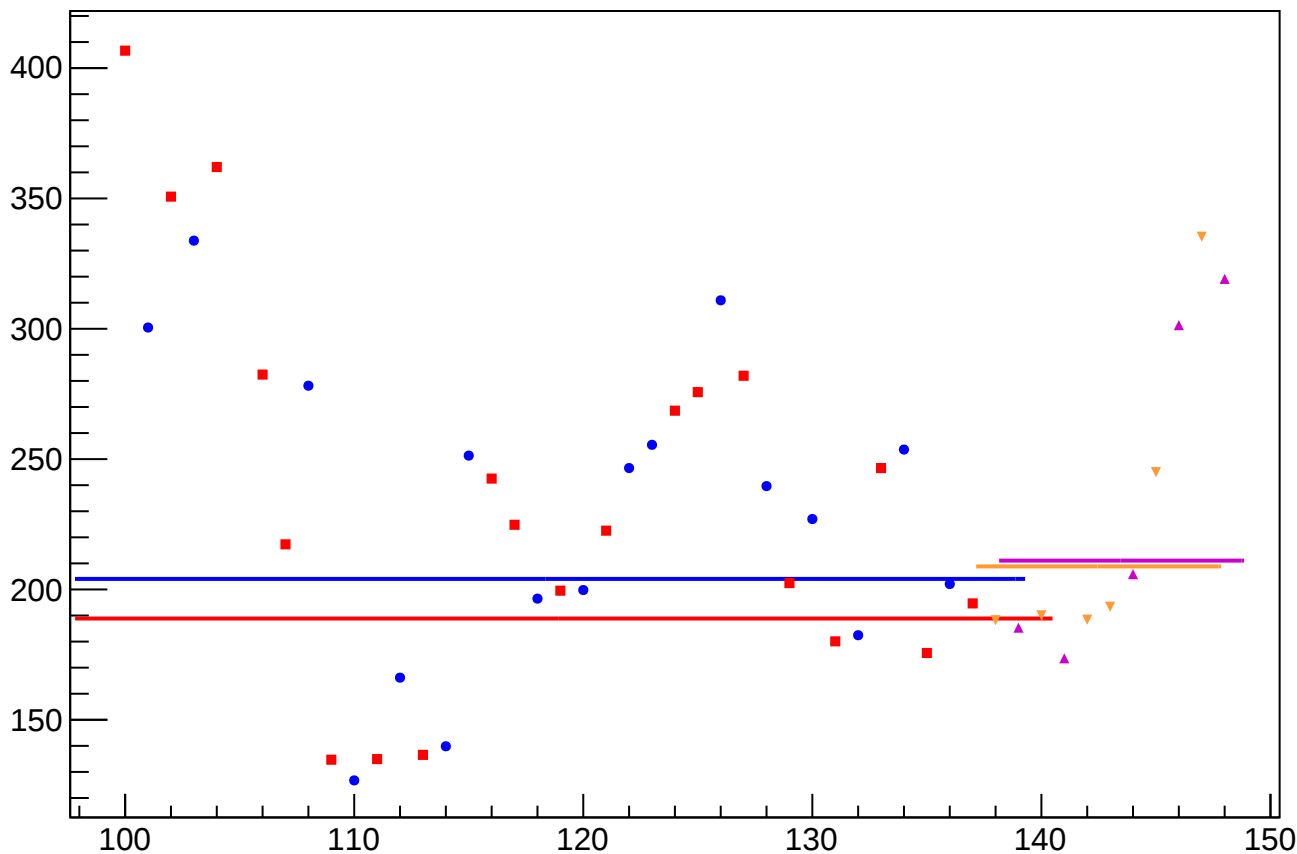
Right Out: 931.363 ± 75.320 χ^2/NDF : 583.1/19

Left In: 455.965 ± 109.286 χ^2/NDF : 22.3/4

464.972 ± 65.103 χ^2/NDF : 603.9/22

778.269 ± 62.018 χ^2/NDF : 618.2/24

asym_bpm0l06WS_rms vs Slug



Right In: 204.051+/-0.059 χ^2/NDF : 868423.0/16

Left Out: 208.844+/-0.075 χ^2/NDF :302840.3/5

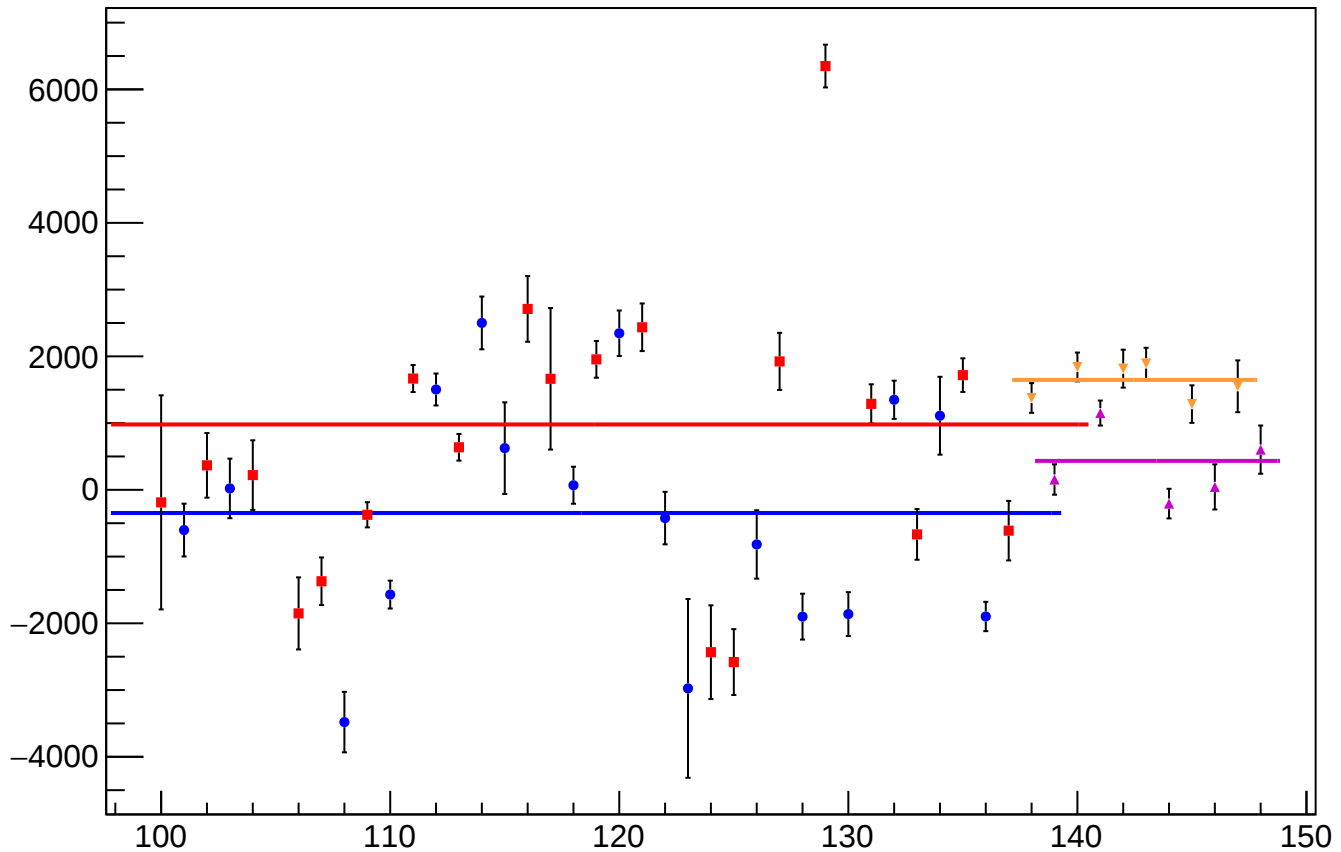
Right Out: 188.856+/-0.053 χ^2/NDF : 1253327.1/19

Left In: 211.071+/-0.077 χ^2/NDF :431295.3/4

205.881+/-0.046 χ^2/NDF : 1173821.4/22

196.010+/-0.044 χ^2/NDF : 1740649.3/24

asym_bpm0l07WS_mean vs Slug



Right In: -347.240+/-81.318 χ^2/NDF : 399.1/16

Left Out: 1647.066+/-104.655 χ^2/NDF : 5.4/5

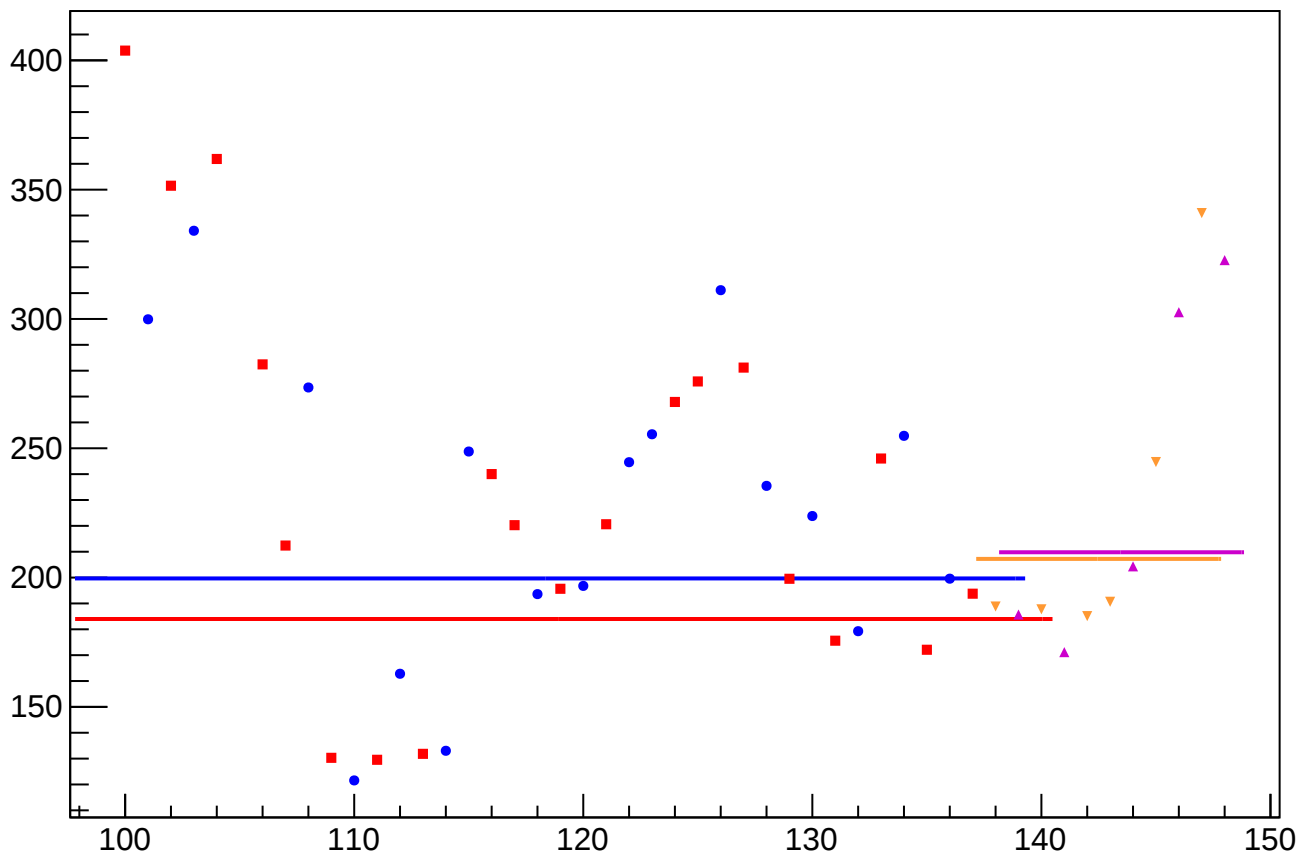
Right Out: 979.606+/-73.710 χ^2/NDF : 586.1/19

Left In: 433.588+/-108.790 χ^2/NDF : 26.0/4

403.533+/-64.212 χ^2/NDF : 630.9/22

807.813+/-61.023 χ^2/NDF : 629.4/24

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 ± 0.058 $\chi^2/\text{NDF}: 943155.1/16$

Left Out: 207.223 ± 0.074 $\chi^2/\text{NDF}: 324950.3/5$

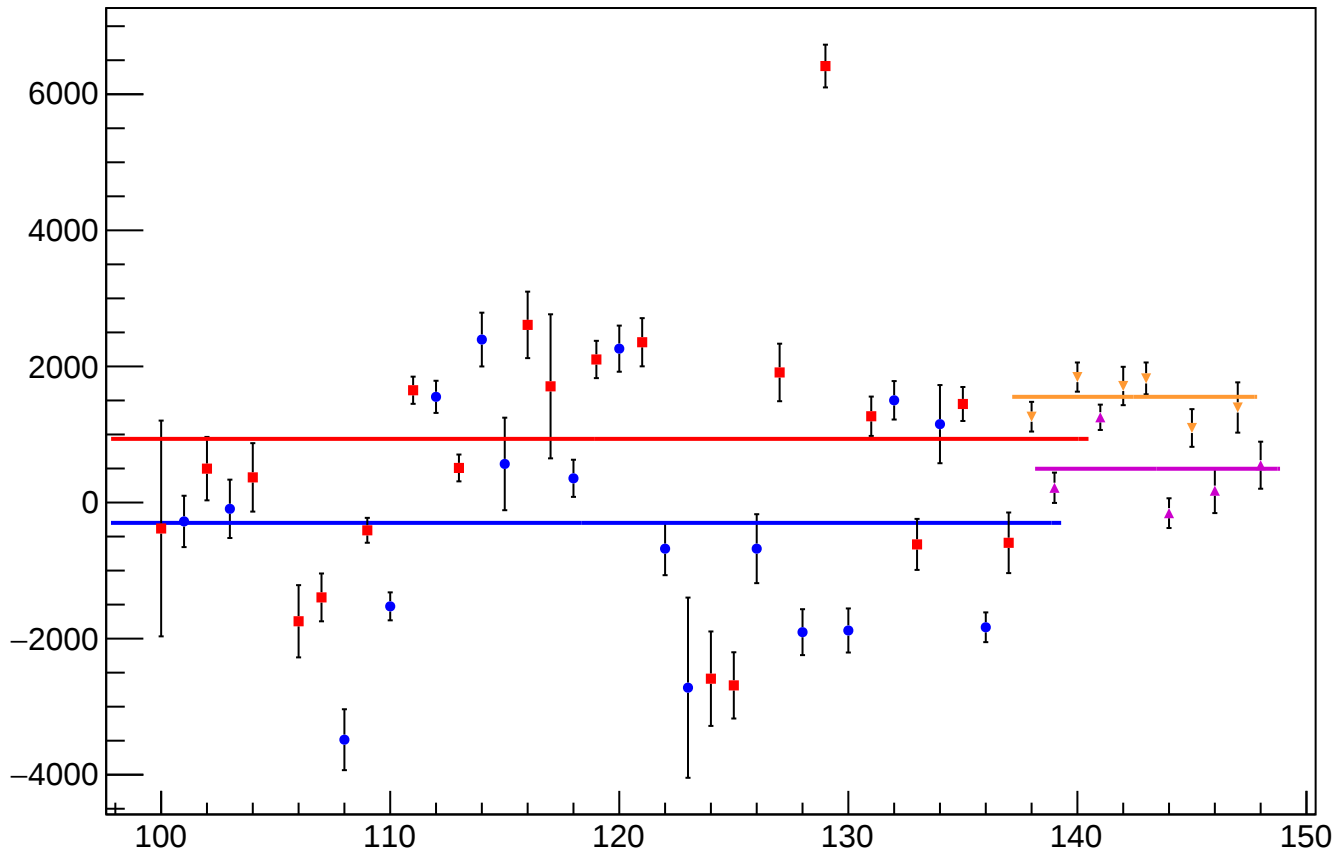
Right Out: 183.984 ± 0.052 $\chi^2/\text{NDF}: 1351978.1/19$

Left In: 209.792 ± 0.077 $\chi^2/\text{NDF}: 454777.9/4$

202.513 ± 0.045 $\chi^2/\text{NDF}: 1274603.3/22$

192.104 ± 0.043 $\chi^2/\text{NDF}: 1883891.7/24$

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 1553.398 ± 103.157 χ^2/NDF : 8.2/5

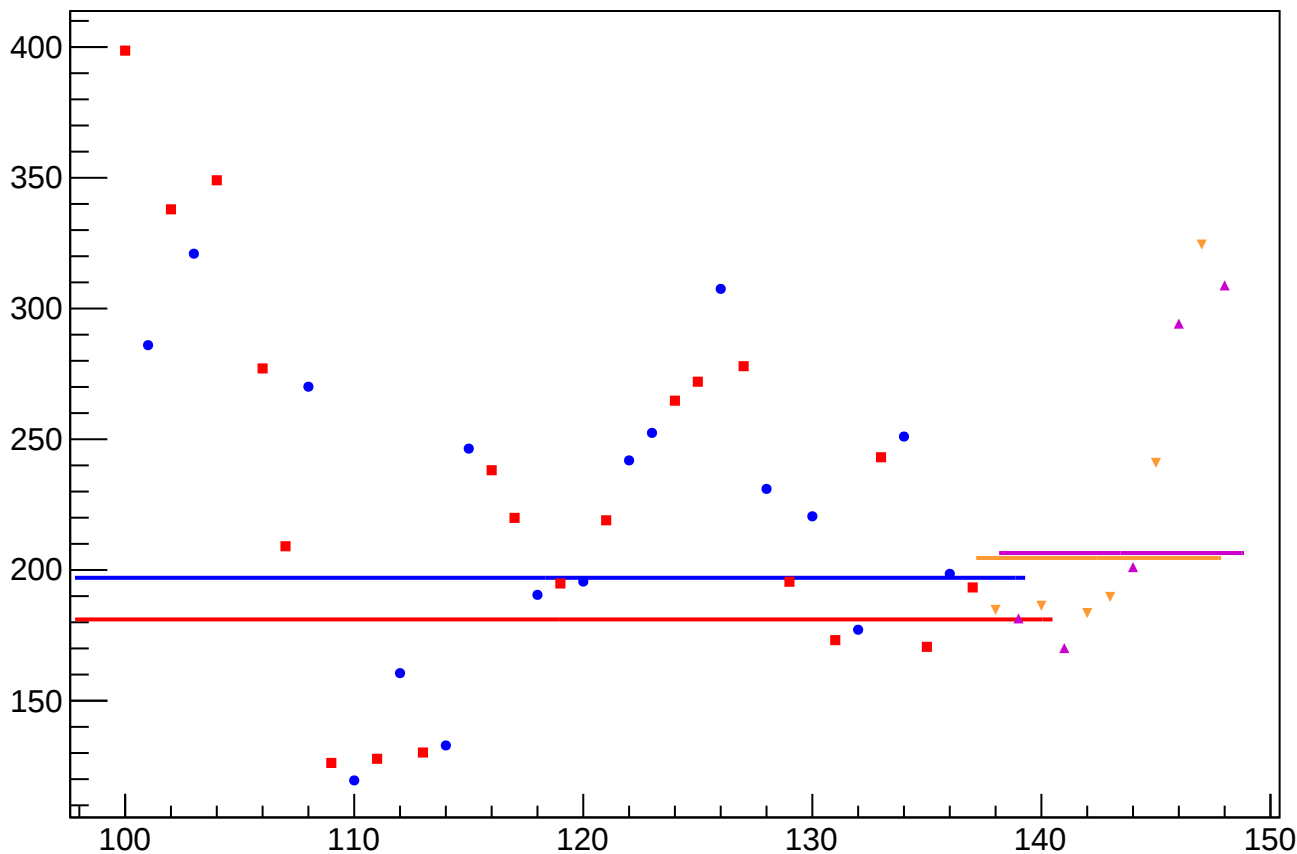
Right Out: 935.490 ± 72.580 χ^2/NDF : 615.3/19

Left In: 496.407 ± 106.871 χ^2/NDF : 28.0/4

398.461 ± 63.297 χ^2/NDF : 615.8/22

796.897 ± 60.042 χ^2/NDF : 654.9/24

asym_bpm0l08WS_rms vs Slug



Right In: 197.013 $\pm$ 0.057 χ^2 /NDF: 911923.5/16

Left Out: 204.597 $\pm$ 0.073 χ^2 /NDF:295396.3/5

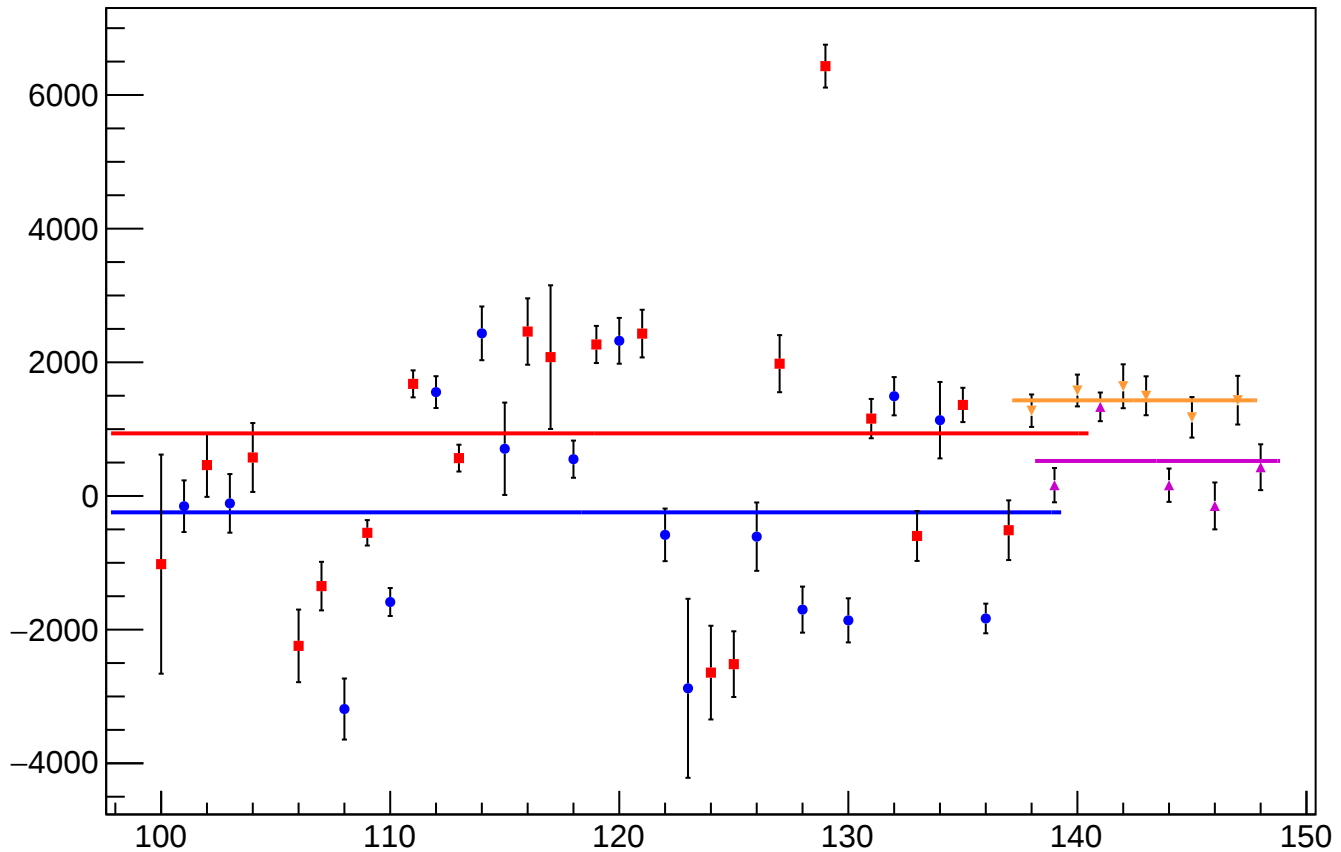
Right Out: 181.089 $\pm$ 0.051 χ^2 /NDF: 1348390.5/19

Left In: 206.487 $\pm$ 0.076 χ^2 /NDF:420116.3/4

199.868 $\pm$ 0.045 χ^2 /NDF: 1214058.7/22

189.106 $\pm$ 0.042 χ^2 /NDF: 1845805.6/24

asym_bpm0l09WS_mean vs Slug



Right In: -244.925+/-81.395 χ^2/NDF : 391.4/16

Left Out: 1430.847+/-116.178 χ^2/NDF : 2.0/5

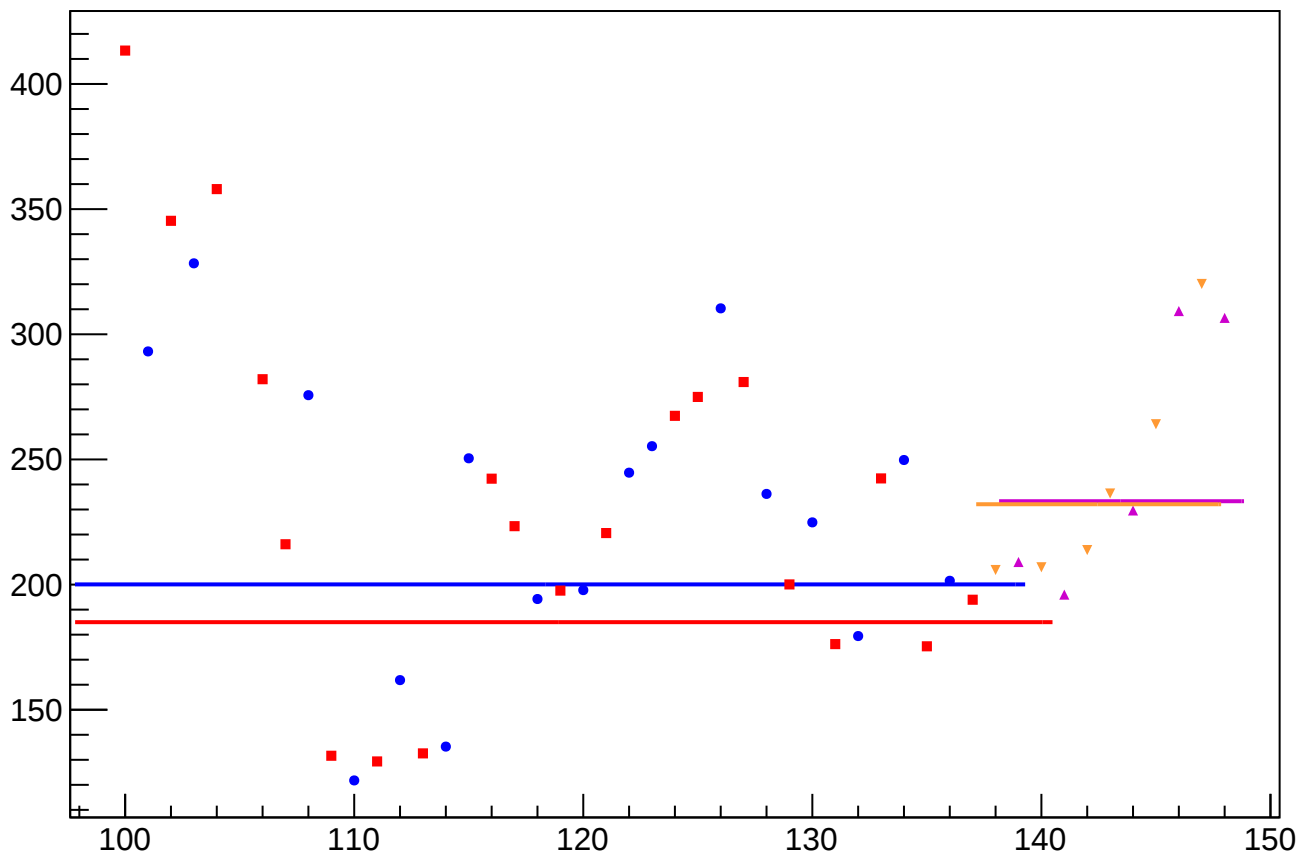
Right Out: 936.709+/-74.030 χ^2/NDF : 610.9/19

Left In: 524.051+/-119.816 χ^2/NDF : 22.1/4

306.810+/-66.662 χ^2/NDF : 532.9/22

822.700+/-62.978 χ^2/NDF : 641.6/24

asym_bpm0l09WS_rms vs Slug



Right In: 200.078+/-0.058 χ^2/NDF : 918309.2/16

Left Out: 232.103+/-0.082 χ^2/NDF :191309.0/5

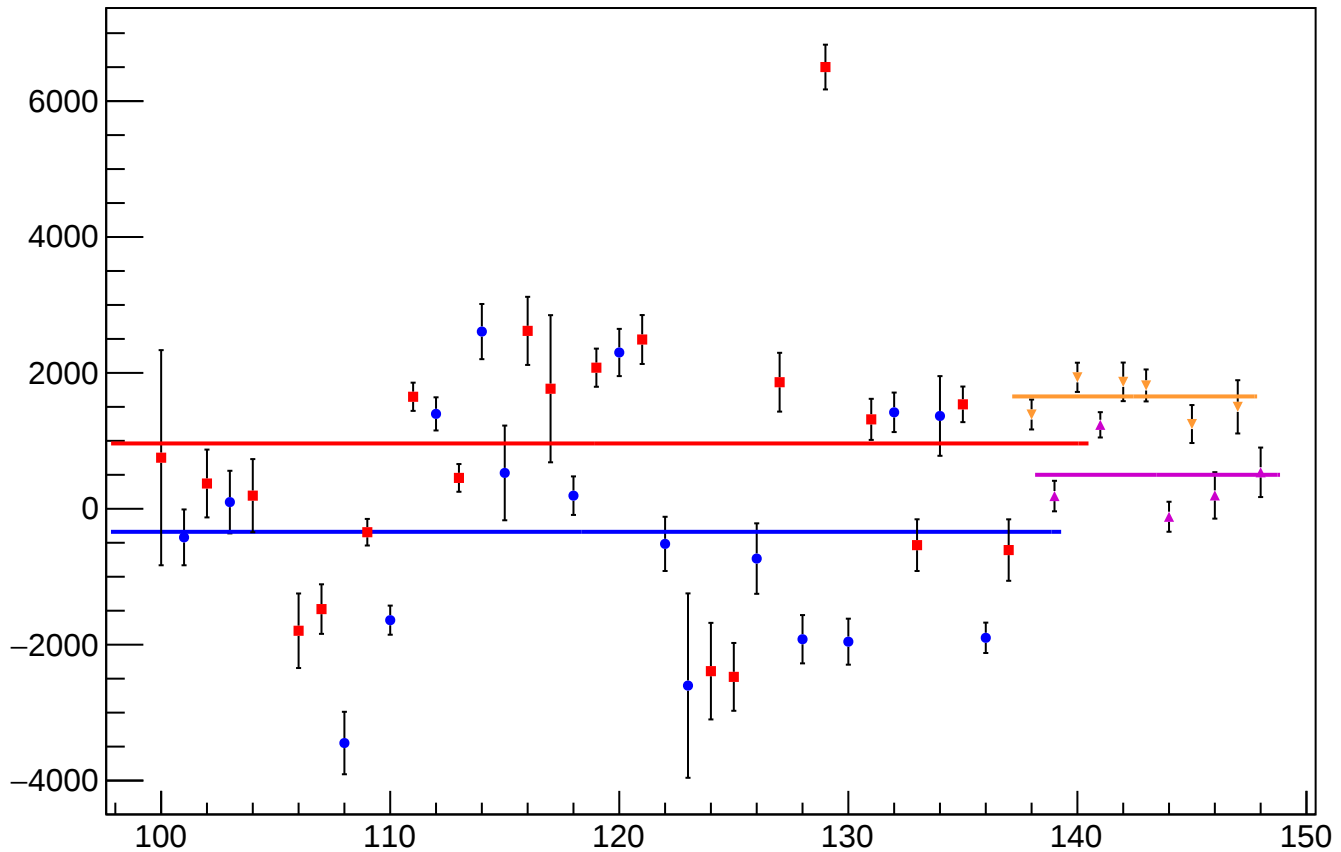
210.622+/-0.047 χ^2/NDF : 1211552.2/22

Right Out: 184.990+/-0.052 χ^2/NDF : 1320825.4/19

198.340+/-0.045 χ^2/NDF : 1820116.9/24

Left In: 233.310+/-0.085 χ^2/NDF :263883.5/4

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 χ^2/NDF : 389.5/16

Left Out: 1653.467 ± 104.225 χ^2/NDF : 6.5/5

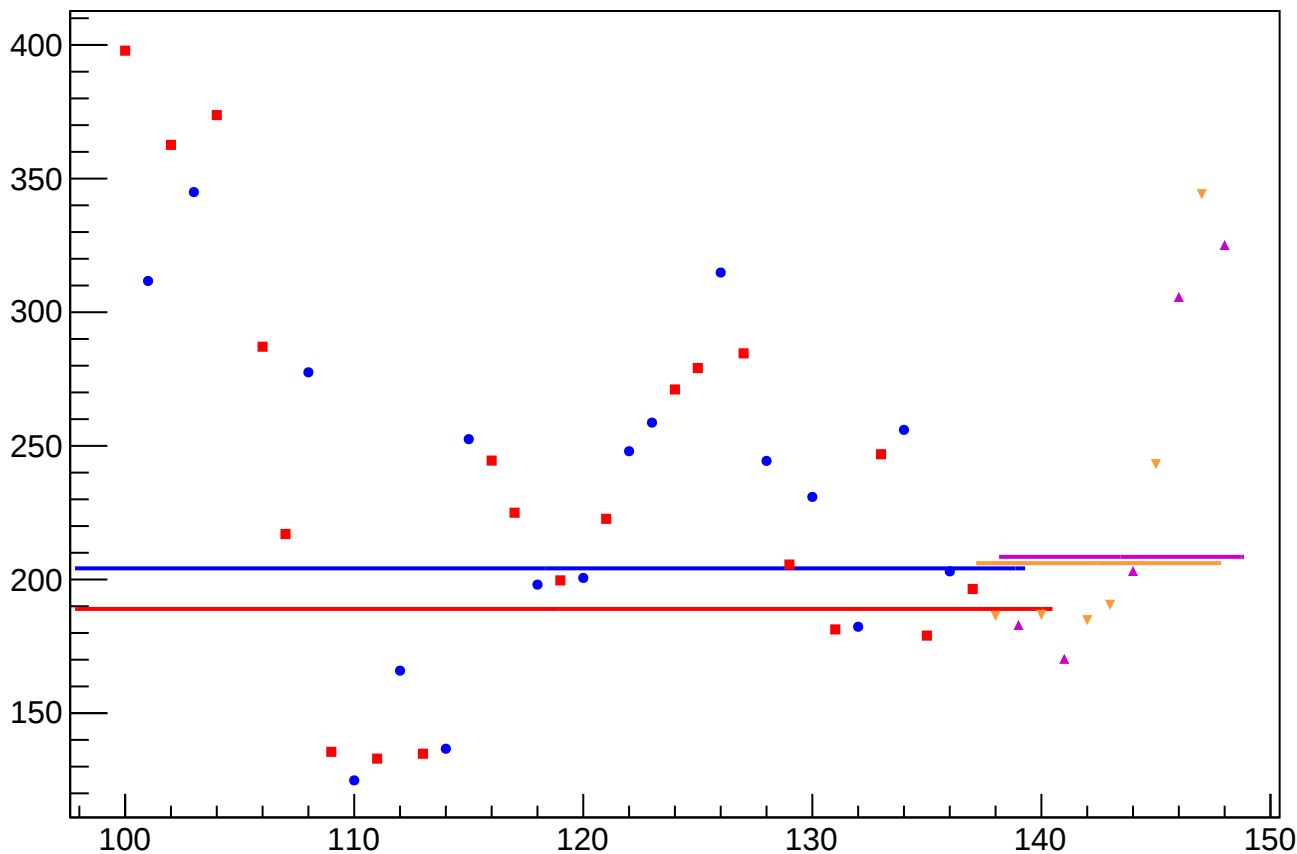
Right Out: 961.556 ± 75.564 χ^2/NDF : 570.9/19

Left In: 500.227 ± 108.311 χ^2/NDF : 26.1/4

435.636 ± 64.986 χ^2/NDF : 619.3/22

810.525 ± 61.973 χ^2/NDF : 609.2/24

asym_bpm0l10WS_rms vs Slug



Right In: 204.175+/-0.059 χ^2/NDF : 947438.5/16

Left Out: 206.136+/-0.074 χ^2/NDF : 335599.0/5

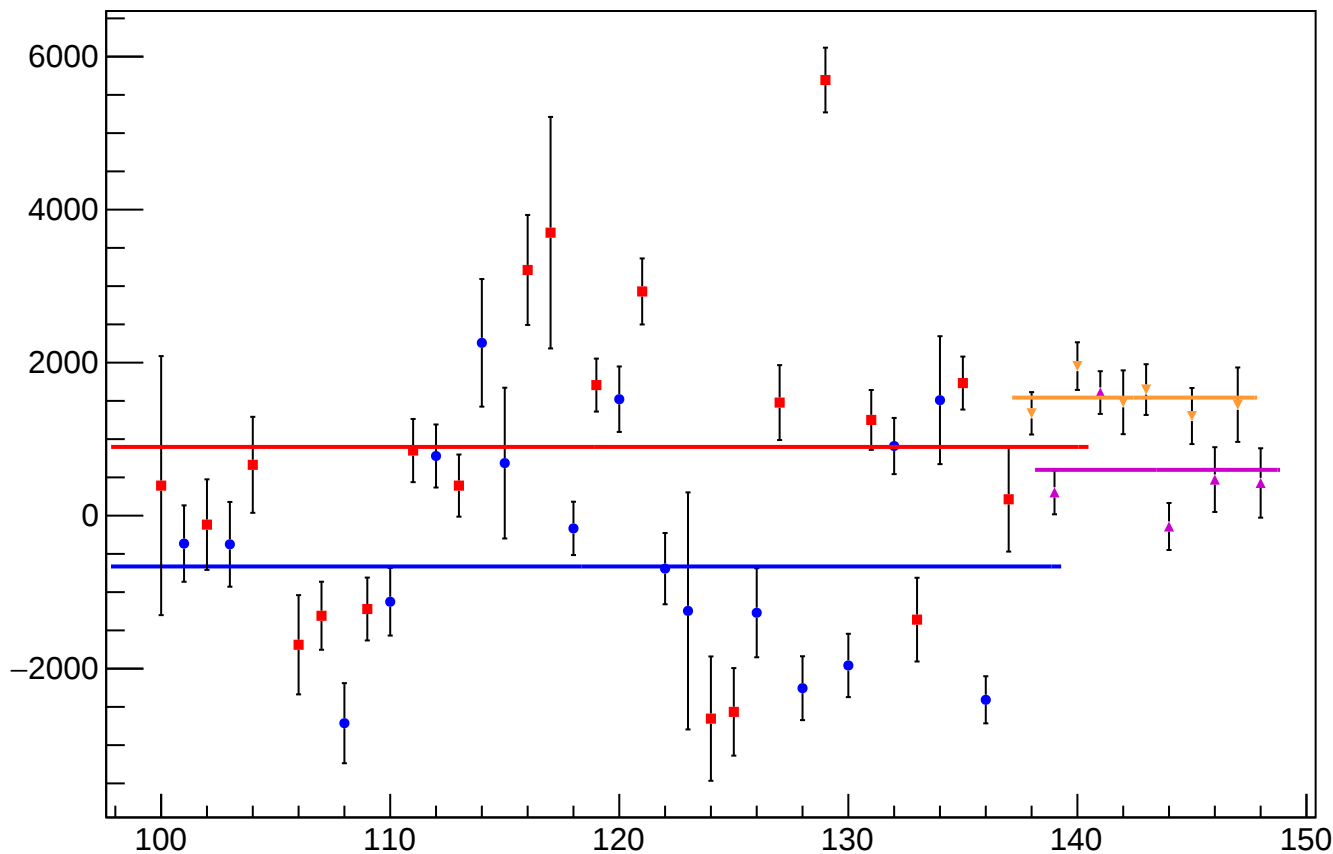
Right Out: 188.997+/-0.053 χ^2/NDF : 1317112.1/19

Left In: 208.480+/-0.077 χ^2/NDF : 477876.6/4

204.937+/-0.046 χ^2/NDF : 1283470.2/22

195.375+/-0.044 χ^2/NDF : 1838514.7/24

asym_bpm0r03WS_mean vs Slug



Right In: -664.383+/-113.949 χ^2/NDF : 154.3/16

Left Out: 1542.639+/-141.622 χ^2/NDF : 2.9/5

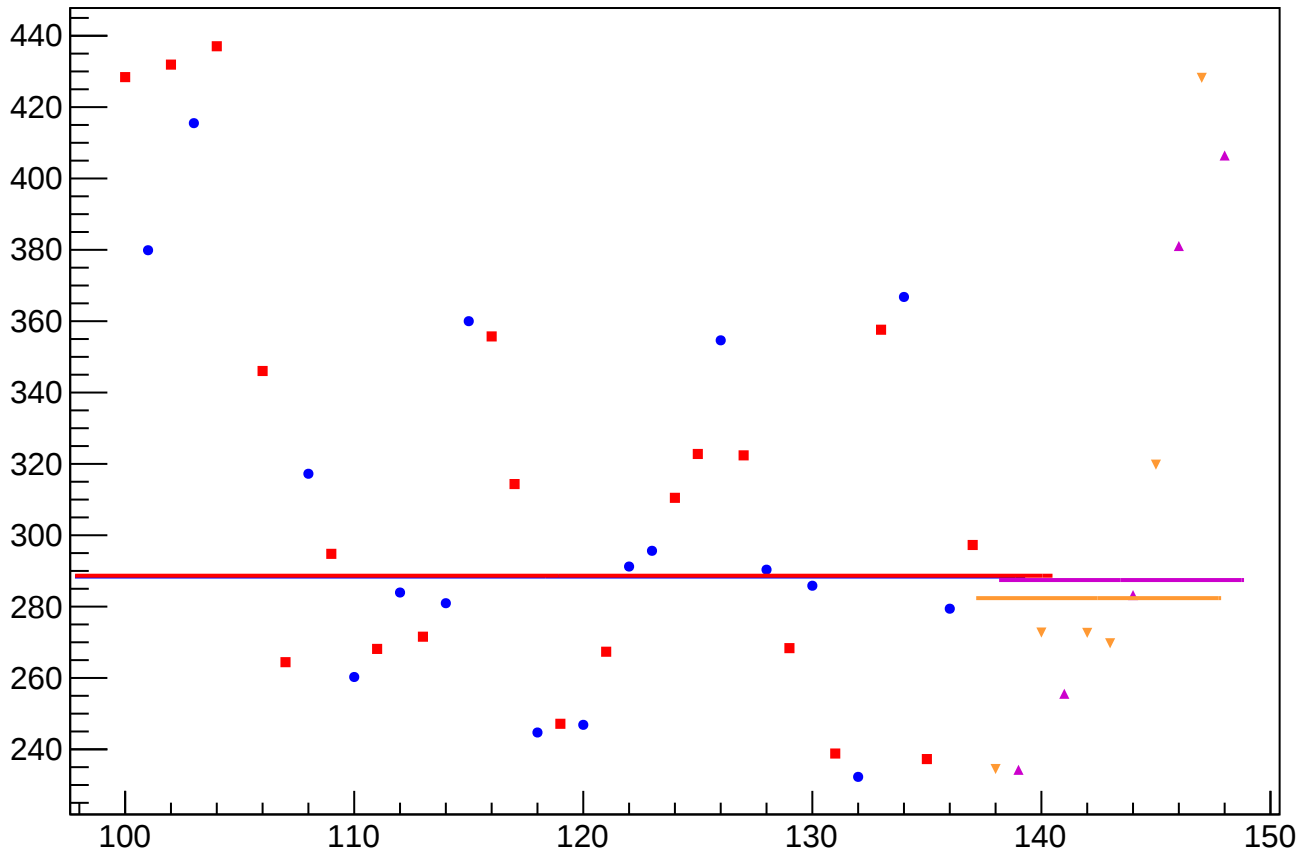
Right Out: 898.290+/-110.578 χ^2/NDF : 323.5/19

Left In: 598.587+/-147.411 χ^2/NDF : 20.2/4

202.921+/-88.779 χ^2/NDF : 304.6/22

790.372+/-88.457 χ^2/NDF : 346.3/24

asym_bpm0r03WS_rms vs Slug



Right In: 288.428+/-0.081 χ^2/NDF : 339820.0/16

Left Out: 282.376+/-0.100 χ^2/NDF : 266346.2/5

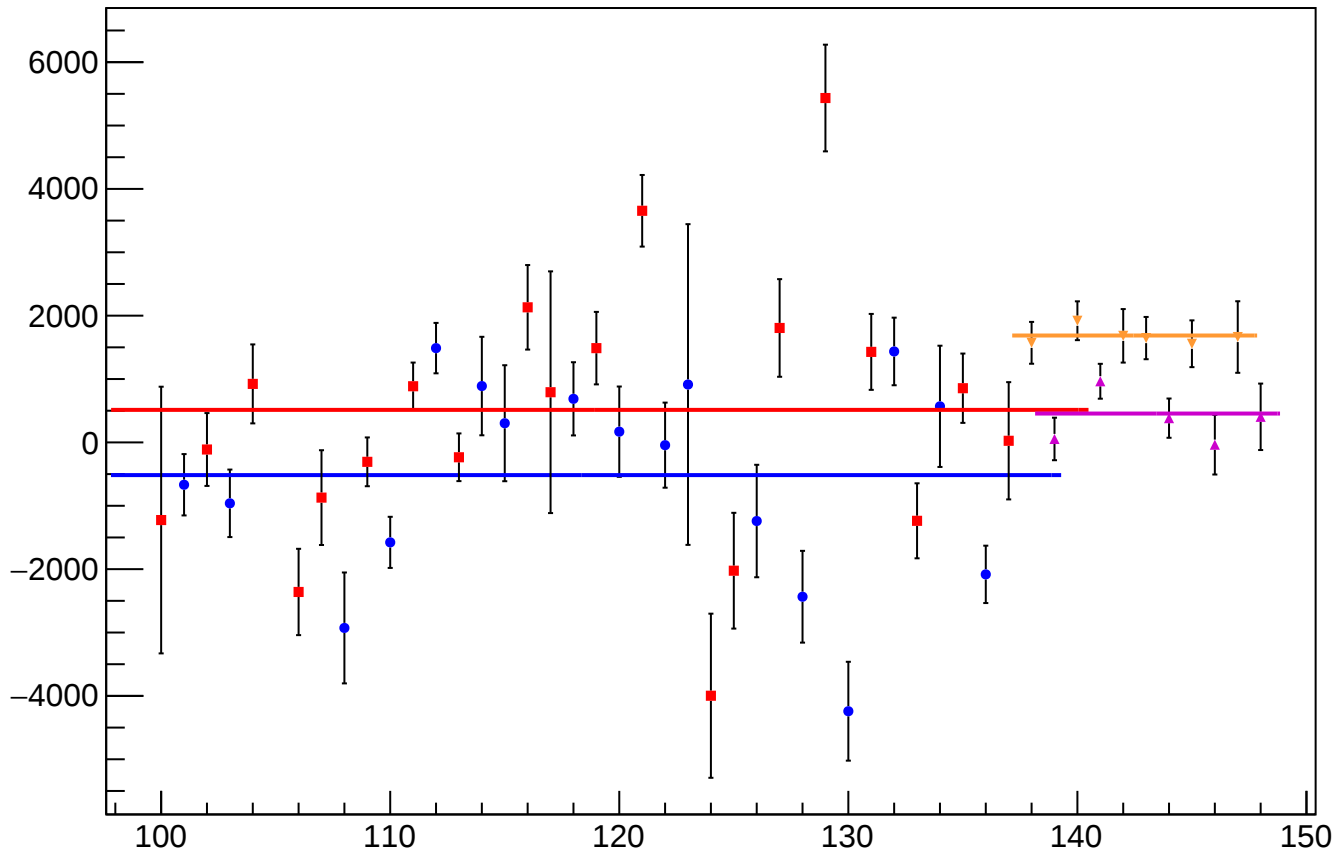
Right Out: 288.660+/-0.078 χ^2/NDF : 455989.7/19

Left In: 287.445+/-0.104 χ^2/NDF : 330619.4/4

286.050+/-0.063 χ^2/NDF : 608383.2/22

288.223+/-0.063 χ^2/NDF : 786696.0/24

asym_bpm0r05WS_mean vs Slug



Right In: -515.894 ± 147.326 χ^2/NDF : 108.0/16

Left Out: 1686.777 ± 149.225 χ^2/NDF : 0.8/5

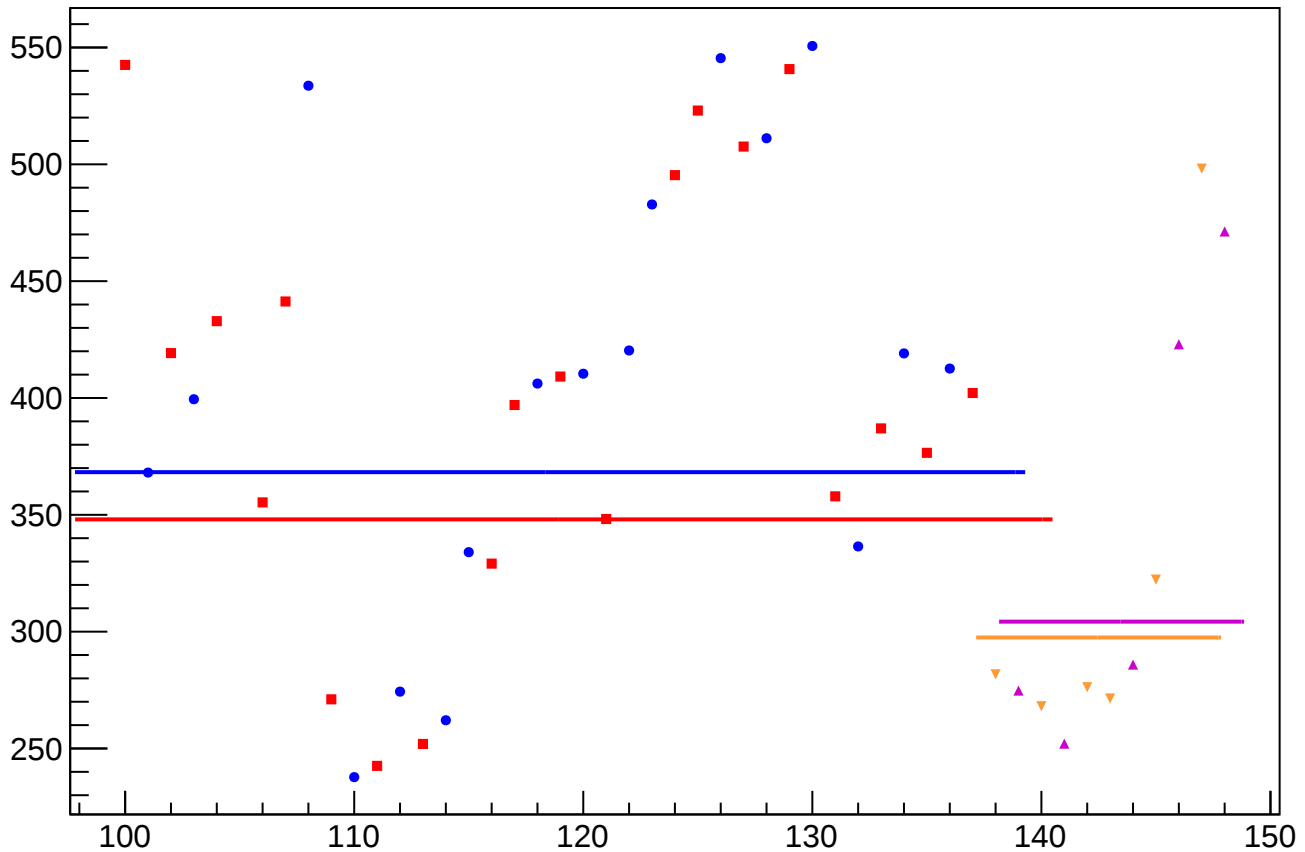
Right Out: 513.264 ± 135.456 χ^2/NDF : 141.3/19

Left In: 455.370 ± 156.808 χ^2/NDF : 6.0/4

571.338 ± 104.840 χ^2/NDF : 219.2/22

488.524 ± 102.506 χ^2/NDF : 147.4/24

asym_bpm0r05WS_rms vs Slug



Right In: 368.264+/-0.104 χ^2/NDF : 770116.6/16

Left Out: 297.490+/-0.106 χ^2/NDF : 301925.4/5

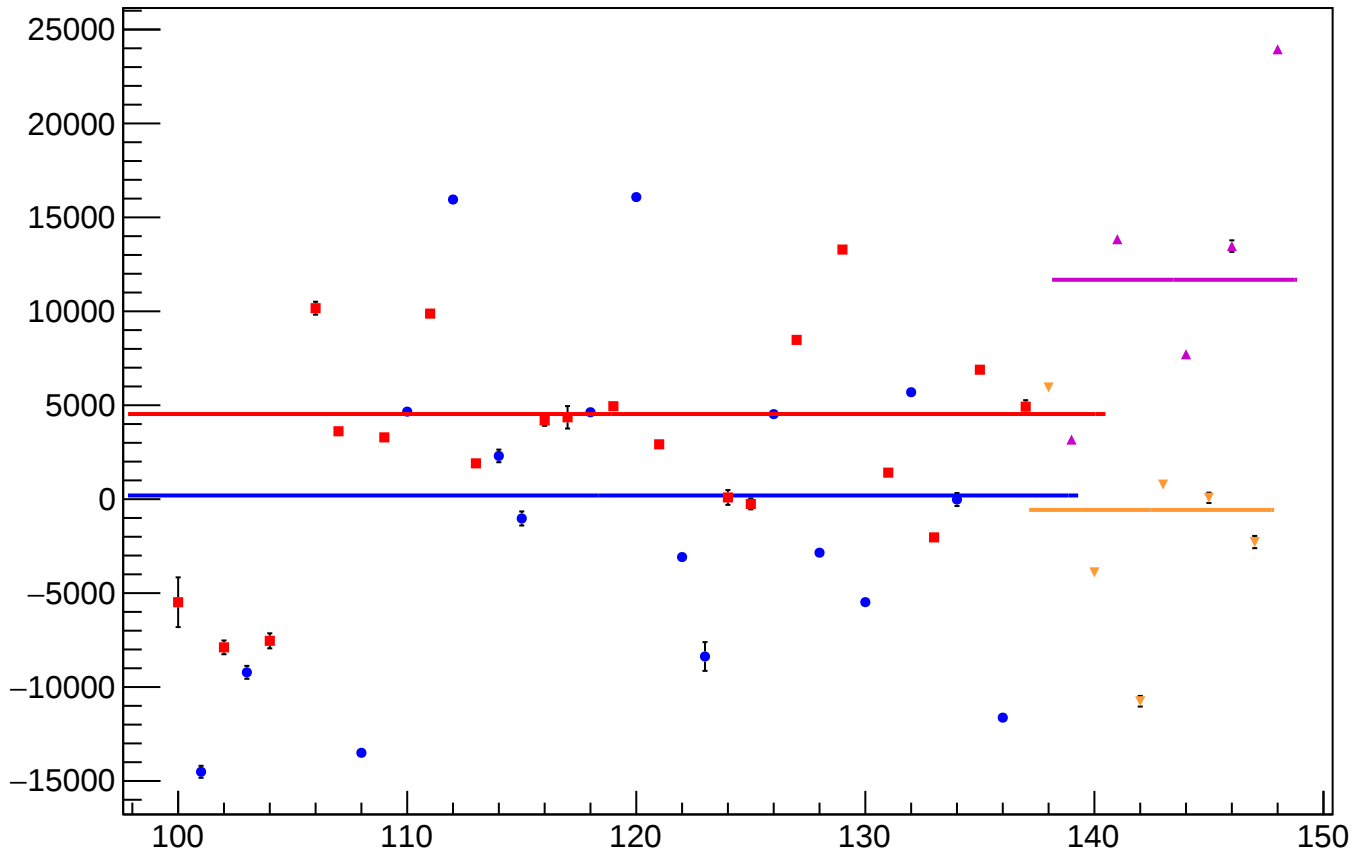
Right Out: 348.050+/-0.096 χ^2/NDF : 823186.4/19

Left In: 304.284+/-0.111 χ^2/NDF : 424525.0/4

333.330+/-0.074 χ^2/NDF : 1299861.5/22

329.348+/-0.072 χ^2/NDF : 1336935.3/24

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 ± 54.799 χ^2/NDF : 30658.3/16

Left Out: -571.744 ± 99.307 χ^2/NDF : 2771.1/5

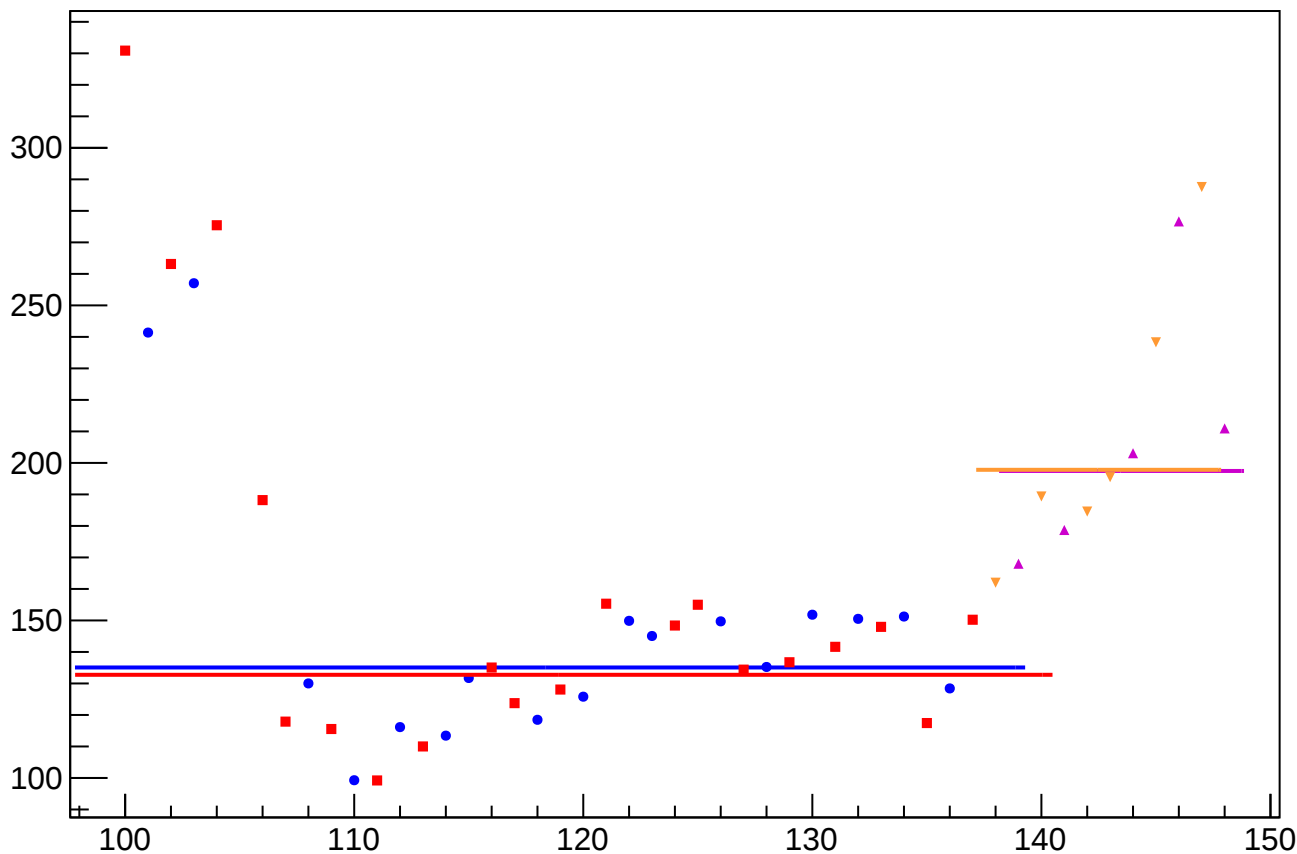
Right Out: 4532.856 ± 52.261 χ^2/NDF : 7477.3/19

Left In: 11679.907 ± 101.222 χ^2/NDF : 4704.0/4

17.568 ± 47.979 χ^2/NDF : 33475.3/22

6037.055 ± 46.437 χ^2/NDF : 16117.5/24

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 197.813 $\pm$ 0.070 χ^2 /NDF: 273799.4/5

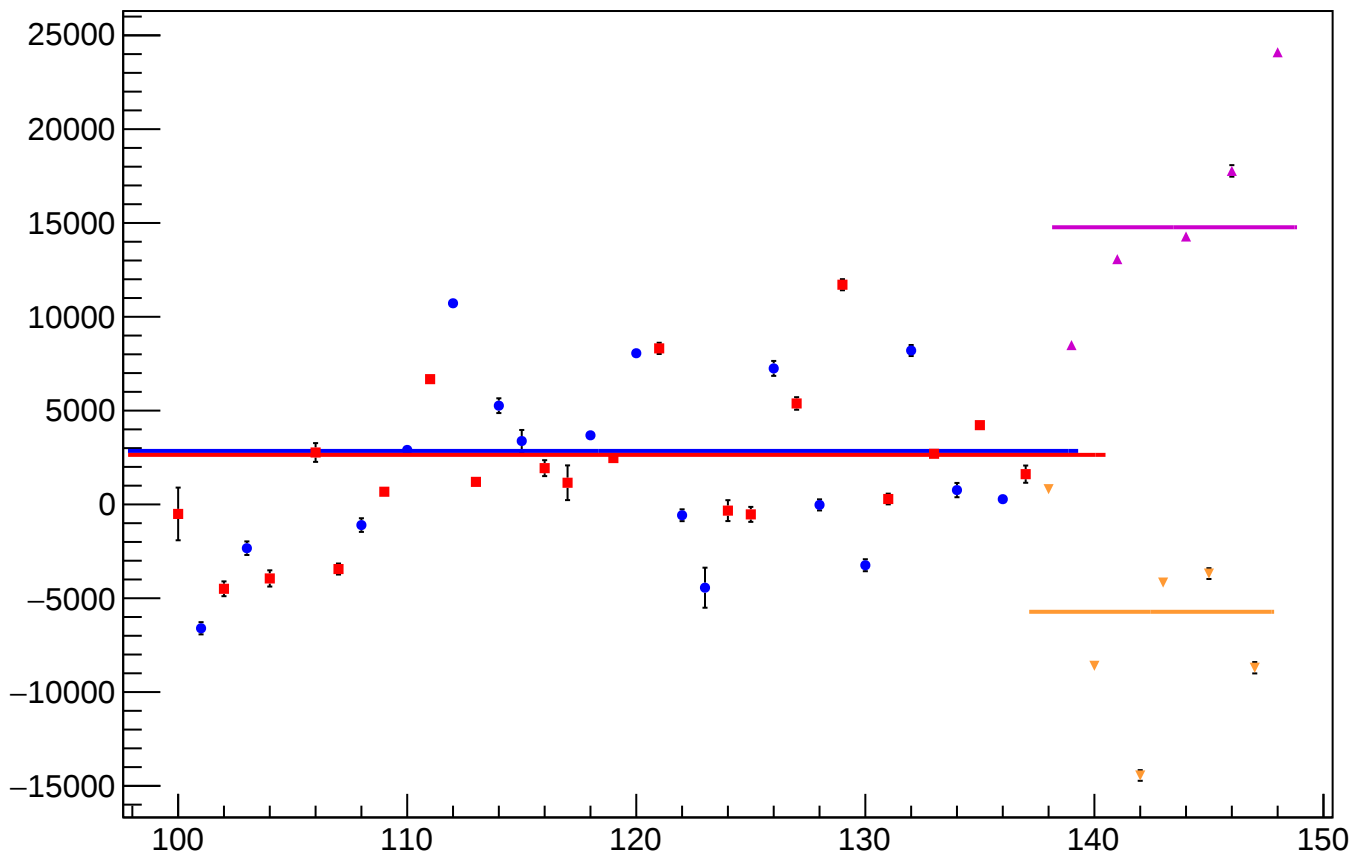
Right Out: 132.747 $\pm$ 0.037 χ^2 /NDF: 831647.2/19

Left In: 197.445 $\pm$ 0.072 χ^2 /NDF: 199494.8/4

149.717 $\pm$ 0.034 χ^2 /NDF: 1544478.5/22

146.364 $\pm$ 0.033 χ^2 /NDF: 1676245.1/24

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -5722.007+/-102.093 χ^2/NDF :2273.8/5

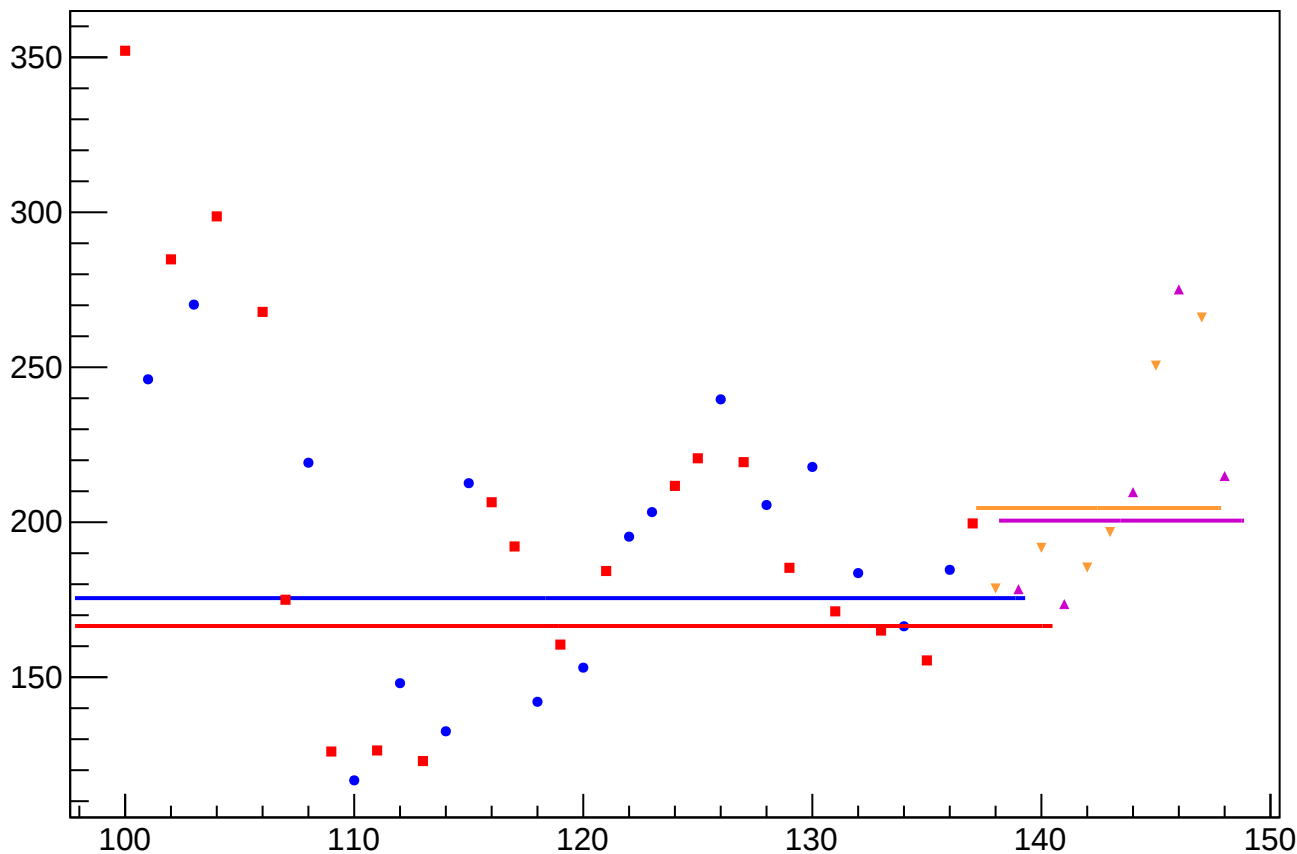
Right Out: 2641.642+/-65.566 χ^2/NDF : 3178.3/19

Left In: 14771.665+/-102.383 χ^2/NDF :2463.3/4

69.717+/-58.153 χ^2/NDF : 11216.0/22

6169.473+/-55.214 χ^2/NDF : 15596.1/24

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 204.592 $\pm$ 0.072 χ^2 /NDF:182368.8/5

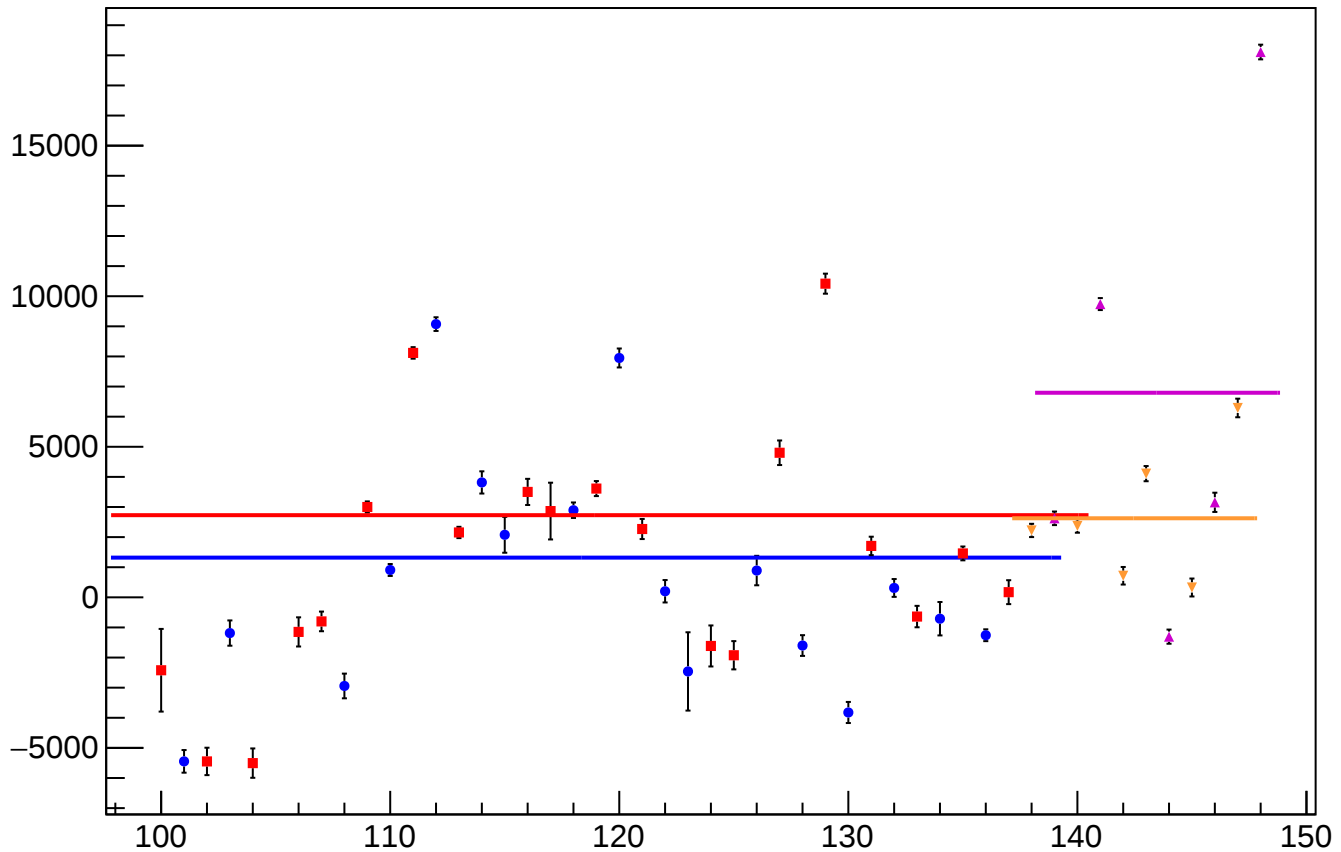
Right Out: 166.522 $\pm$ 0.046 χ^2 /NDF: 931079.9/19

Left In: 200.520 $\pm$ 0.072 χ^2 /NDF:189093.7/4

184.949 $\pm$ 0.041 χ^2 /NDF: 981610.2/22

176.410 $\pm$ 0.039 χ^2 /NDF: 1276564.4/24

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009 ± 77.146 χ^2/NDF : 2667.0/16

Left Out: 2625.622 ± 105.724 χ^2/NDF : 282.1/5

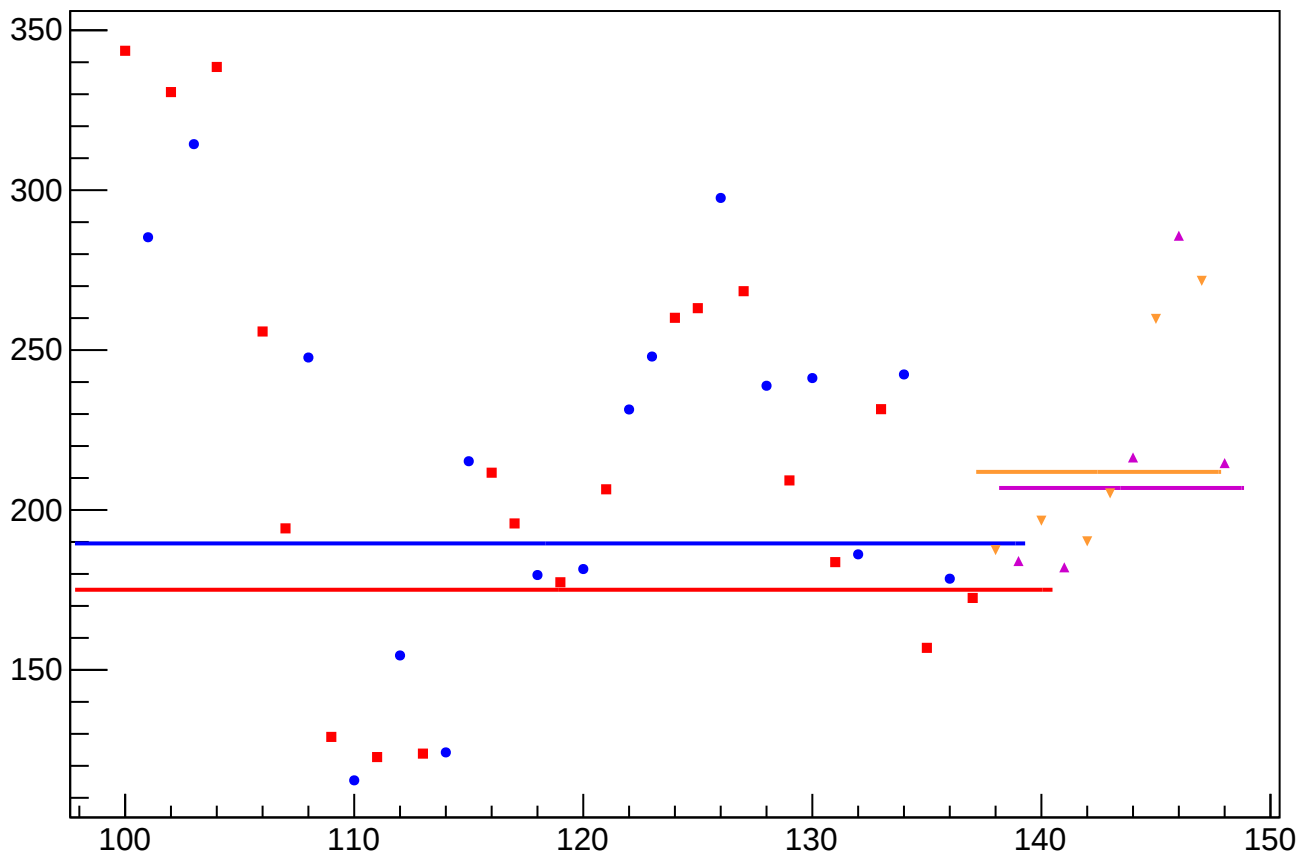
Right Out: 2728.550 ± 69.837 χ^2/NDF : 2495.9/19

Left In: 6794.275 ± 105.606 χ^2/NDF : 4032.2/4

1772.992 ± 62.319 χ^2/NDF : 3048.8/22

3965.573 ± 58.252 χ^2/NDF : 7559.3/24

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 ± 0.055 χ^2/NDF : 980744.6/16

Left Out: 211.914 ± 0.075 χ^2/NDF : 172697.3/5

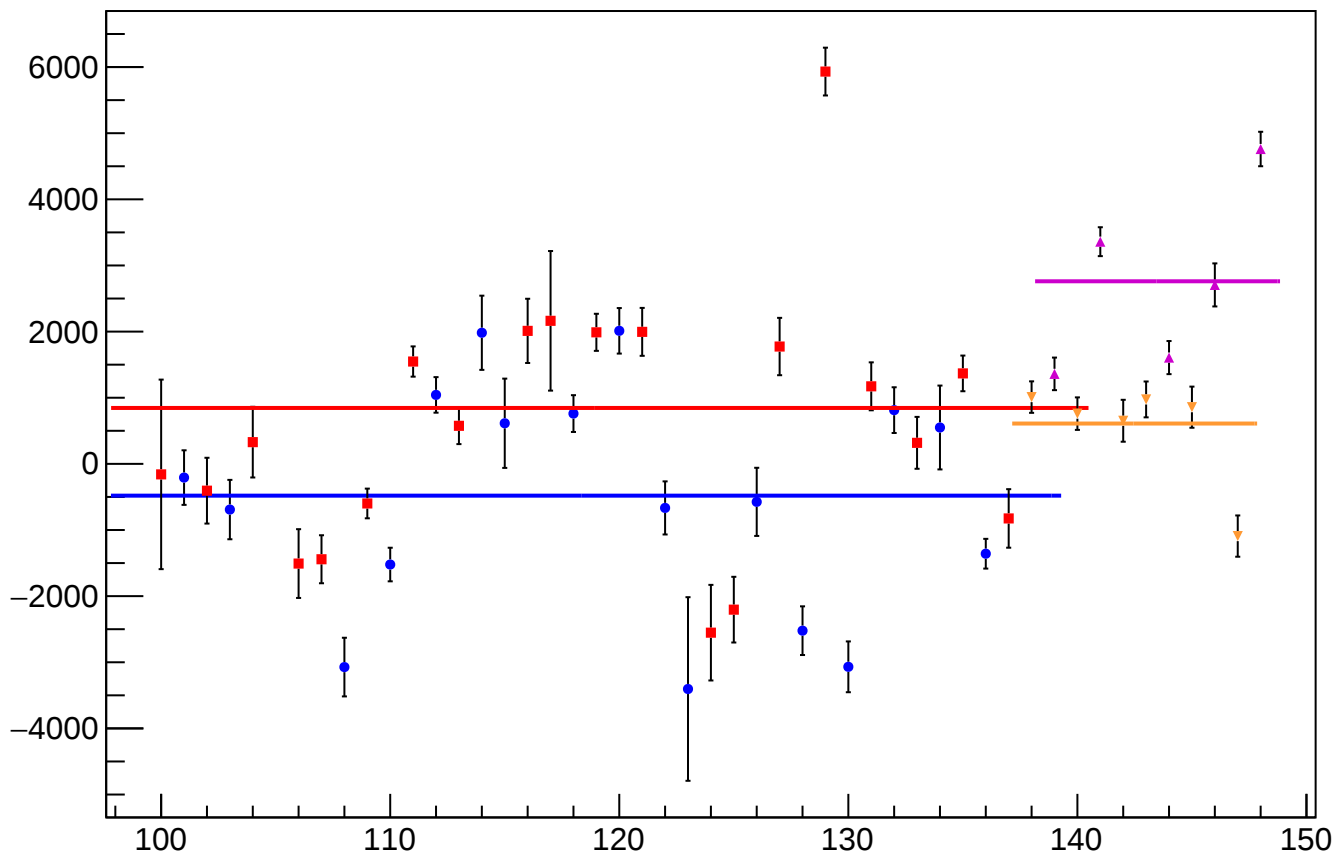
Right Out: 175.058 ± 0.049 χ^2/NDF : 1298079.7/19

Left In: 206.884 ± 0.075 χ^2/NDF : 178815.1/4

197.317 ± 0.044 χ^2/NDF : 1211868.5/22

184.741 ± 0.041 χ^2/NDF : 1603270.8/24

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 $\chi^2/\text{NDF}: 290.7/16$

Left Out: 609.808 ± 112.958 $\chi^2/\text{NDF}: 35.4/5$

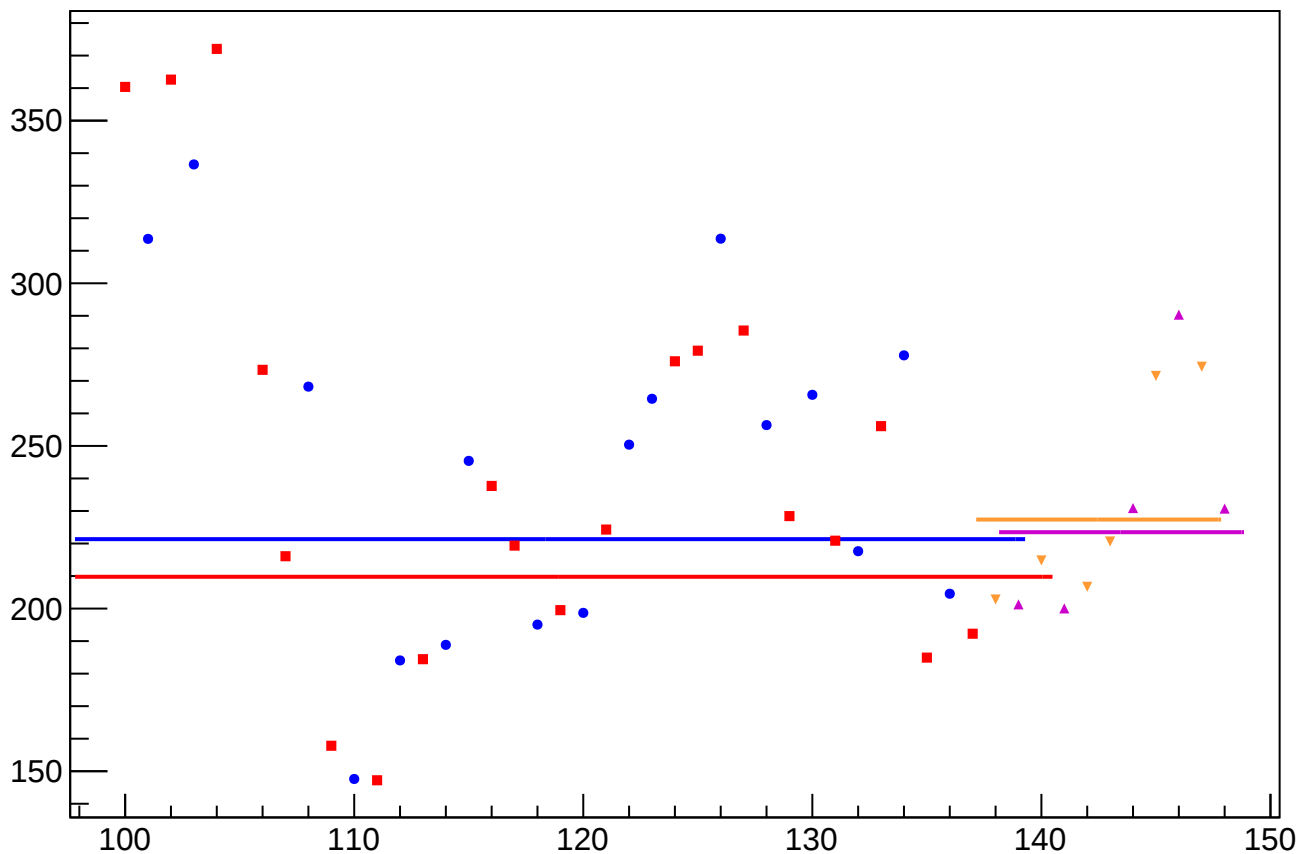
Right Out: 845.444 ± 81.995 $\chi^2/\text{NDF}: 436.9/19$

Left In: 2760.820 ± 113.537 $\chi^2/\text{NDF}: 120.1/4$

-65.026 ± 69.733 $\chi^2/\text{NDF}: 383.8/22$

1501.989 ± 66.472 $\chi^2/\text{NDF}: 744.0/24$

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 ± 0.063 χ^2/NDF : 645688.1/16

Left Out: 227.363 ± 0.080 χ^2/NDF : 121952.7/5

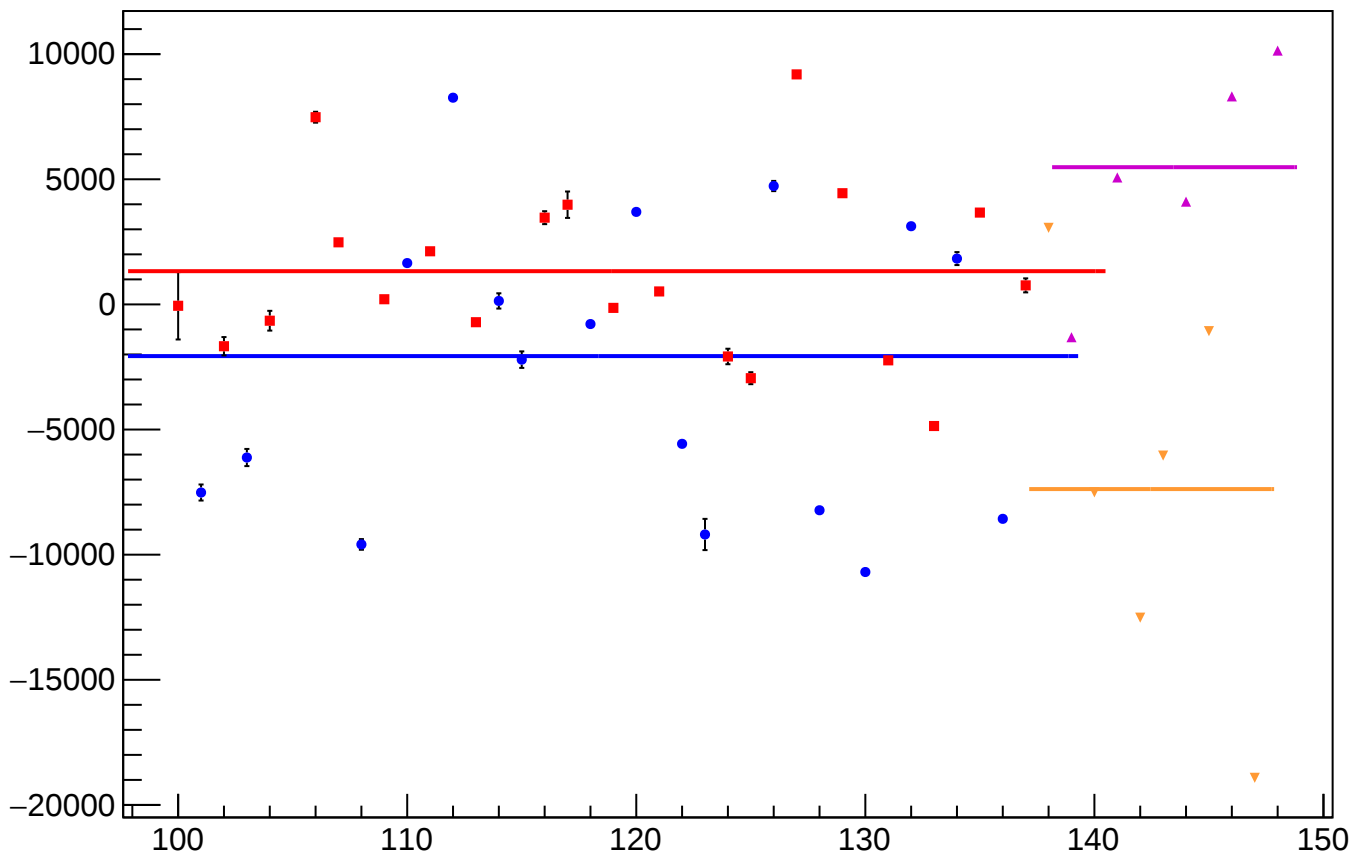
Right Out: 209.775 ± 0.058 χ^2/NDF : 884083.7/19

Left In: 223.481 ± 0.080 χ^2/NDF : 126994.7/4

223.637 ± 0.049 χ^2/NDF : 771157.1/22

214.473 ± 0.047 χ^2/NDF : 1030233.4/24

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160+/-47.322 χ^2/NDF : 16533.3/16

Left Out: -7378.795+/-53.852 χ^2/NDF :18867.5/5

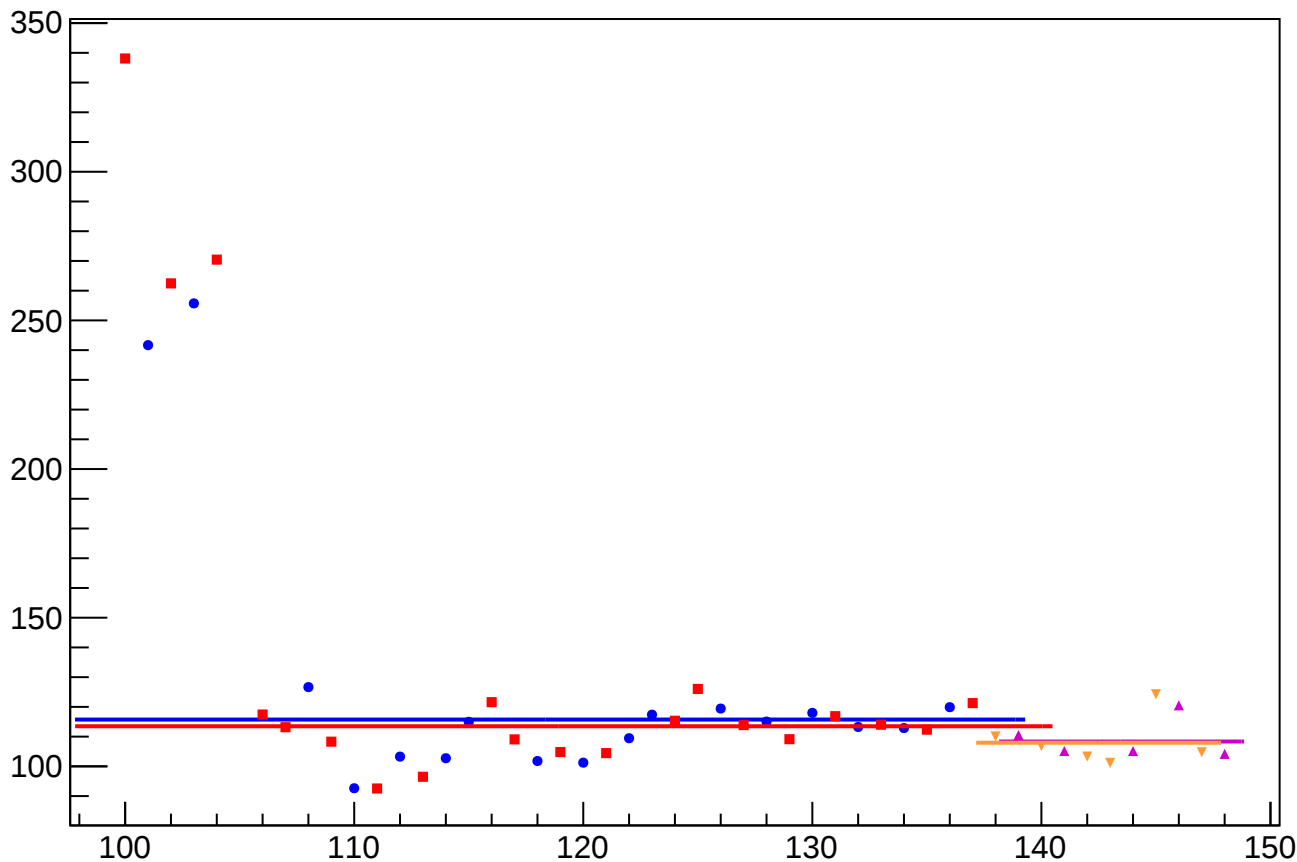
Right Out: 1327.819+/-44.838 χ^2/NDF : 5919.9/19

Left In: 5483.061+/-54.944 χ^2/NDF :4644.3/4

-4380.429+/-35.548 χ^2/NDF : 40894.5/22

2988.883+/-34.739 χ^2/NDF : 13997.2/24

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 ± 0.033 χ^2/NDF : 744017.7/16

Left Out: 107.953 ± 0.038 χ^2/NDF : 35316.3/5

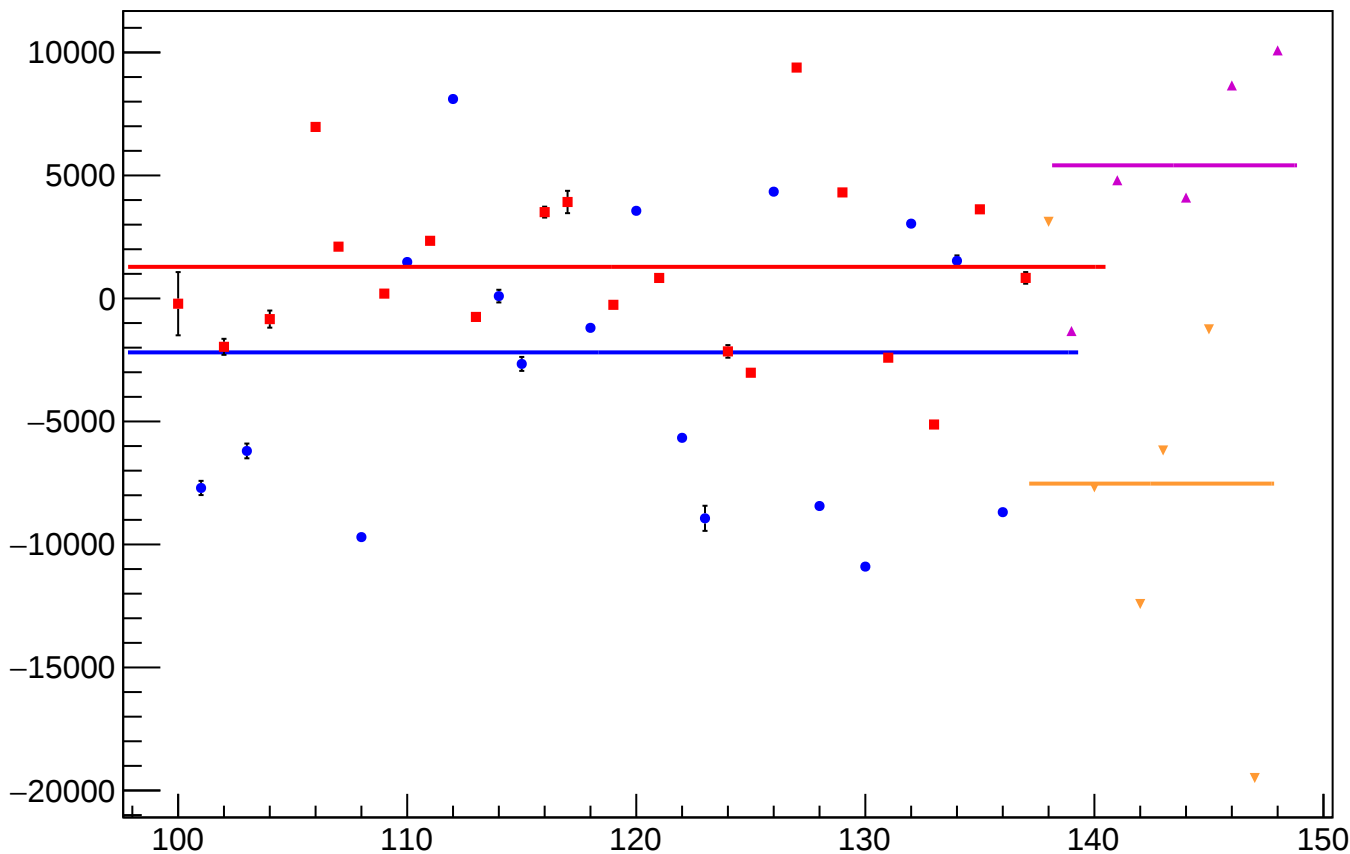
Right Out: 113.487 ± 0.032 χ^2/NDF : 796781.7/19

Left In: 108.354 ± 0.039 χ^2/NDF : 22355.1/4

112.347 ± 0.025 χ^2/NDF : 802934.8/22

111.435 ± 0.025 χ^2/NDF : 829614.7/24

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327 ± 39.944 χ^2/NDF : 22813.5/16

Left Out: -7526.474 ± 49.930 χ^2/NDF : 22333.5/5

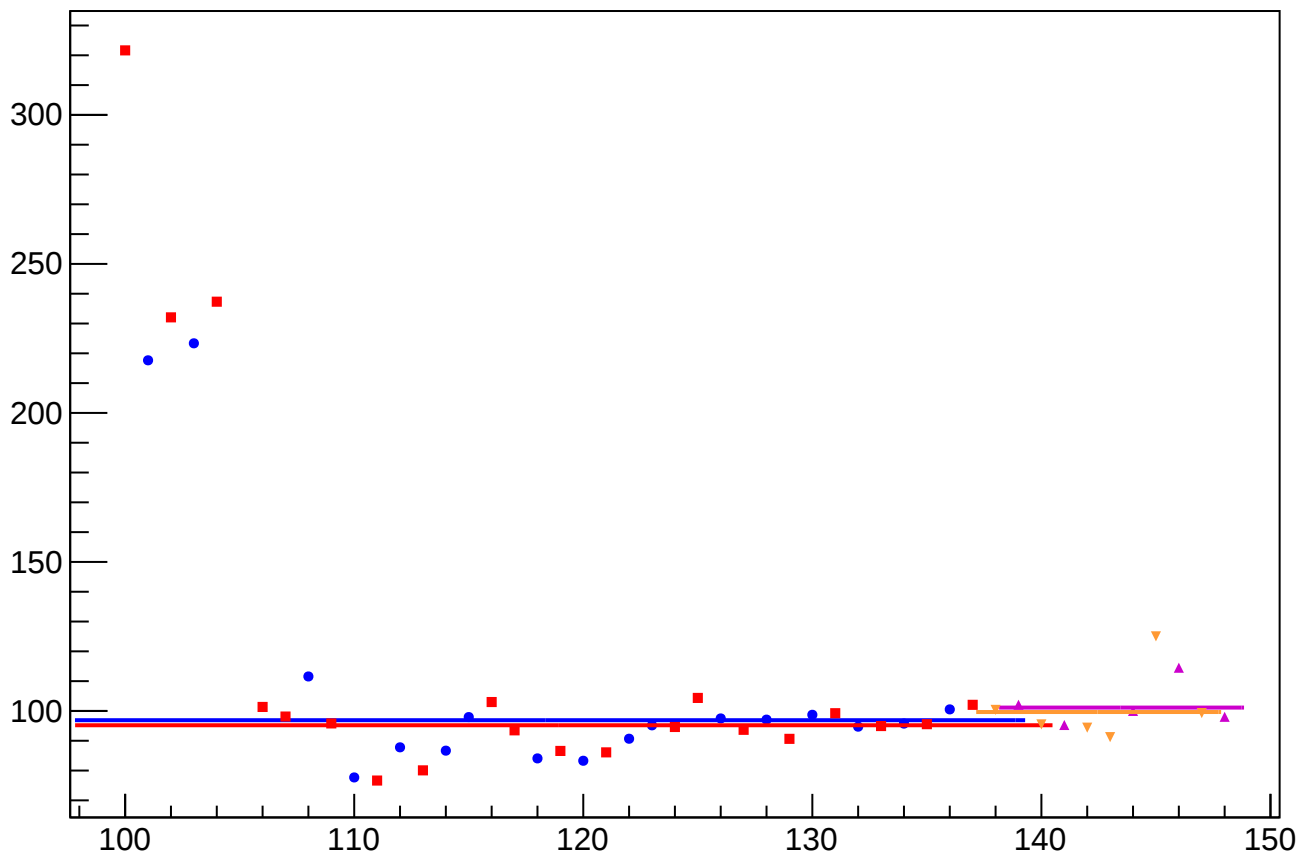
Right Out: 1284.692 ± 37.915 χ^2/NDF : 8584.4/19

Left In: 5411.042 ± 51.373 χ^2/NDF : 5444.8/4

-4273.930 ± 31.191 χ^2/NDF : 52106.3/22

2739.737 ± 30.507 χ^2/NDF : 18205.7/24

asym_bpm1i04WS_rms vs Slug



Right In: 96.894 $\pm$ 0.028 χ^2 /NDF: 817229.9/16

Left Out: 99.642 $\pm$ 0.035 χ^2 /NDF: 77954.2/5

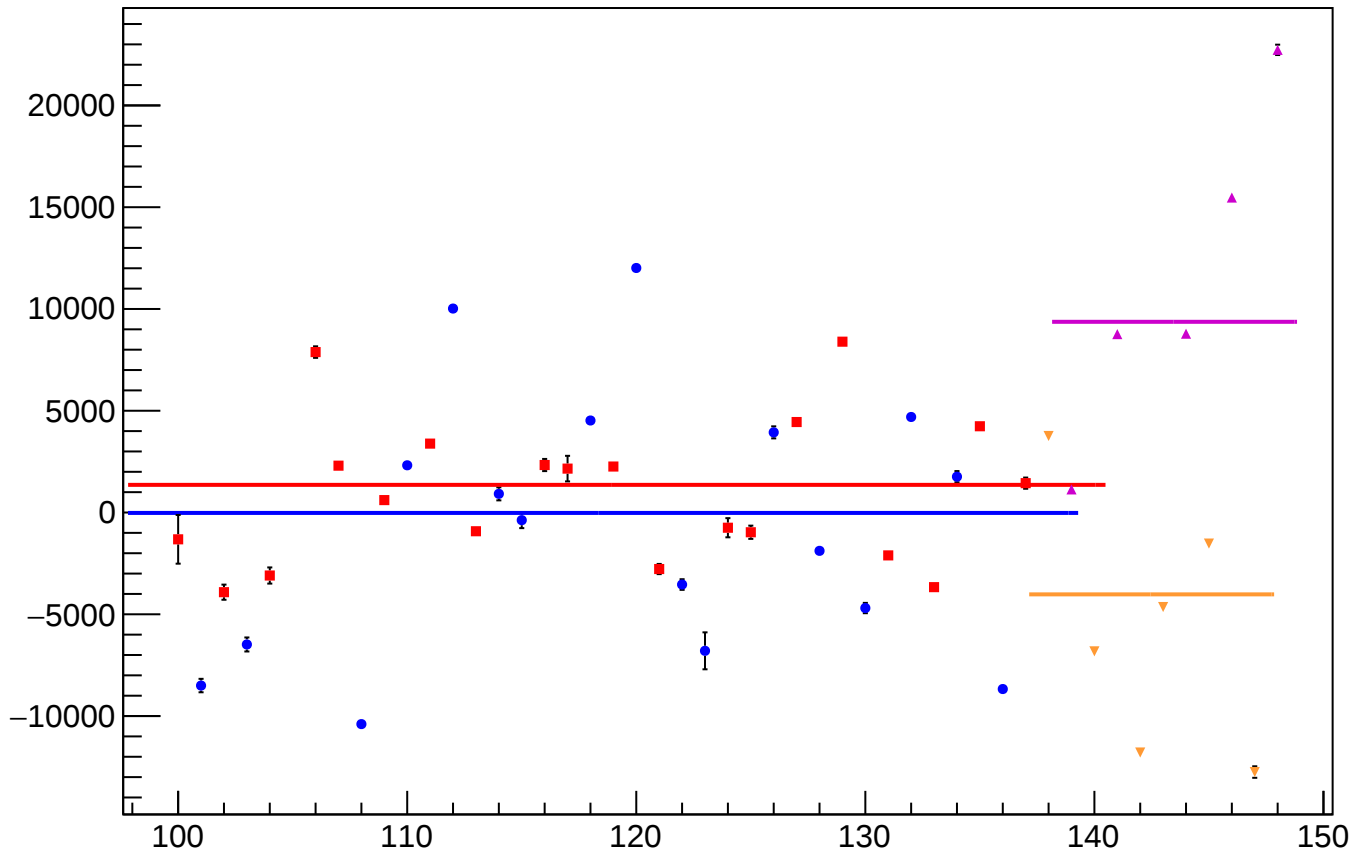
Right Out: 95.201 $\pm$ 0.027 χ^2 /NDF: 859838.2/19

Left In: 101.128 $\pm$ 0.036 χ^2 /NDF: 29853.1/4

97.966 $\pm$ 0.022 χ^2 /NDF: 898877.2/22

97.291 $\pm$ 0.022 χ^2 /NDF: 906924.1/24

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 χ^2/NDF : 16361.0/16

Left Out: -4021.316 ± 79.447 χ^2/NDF : 4916.1/5

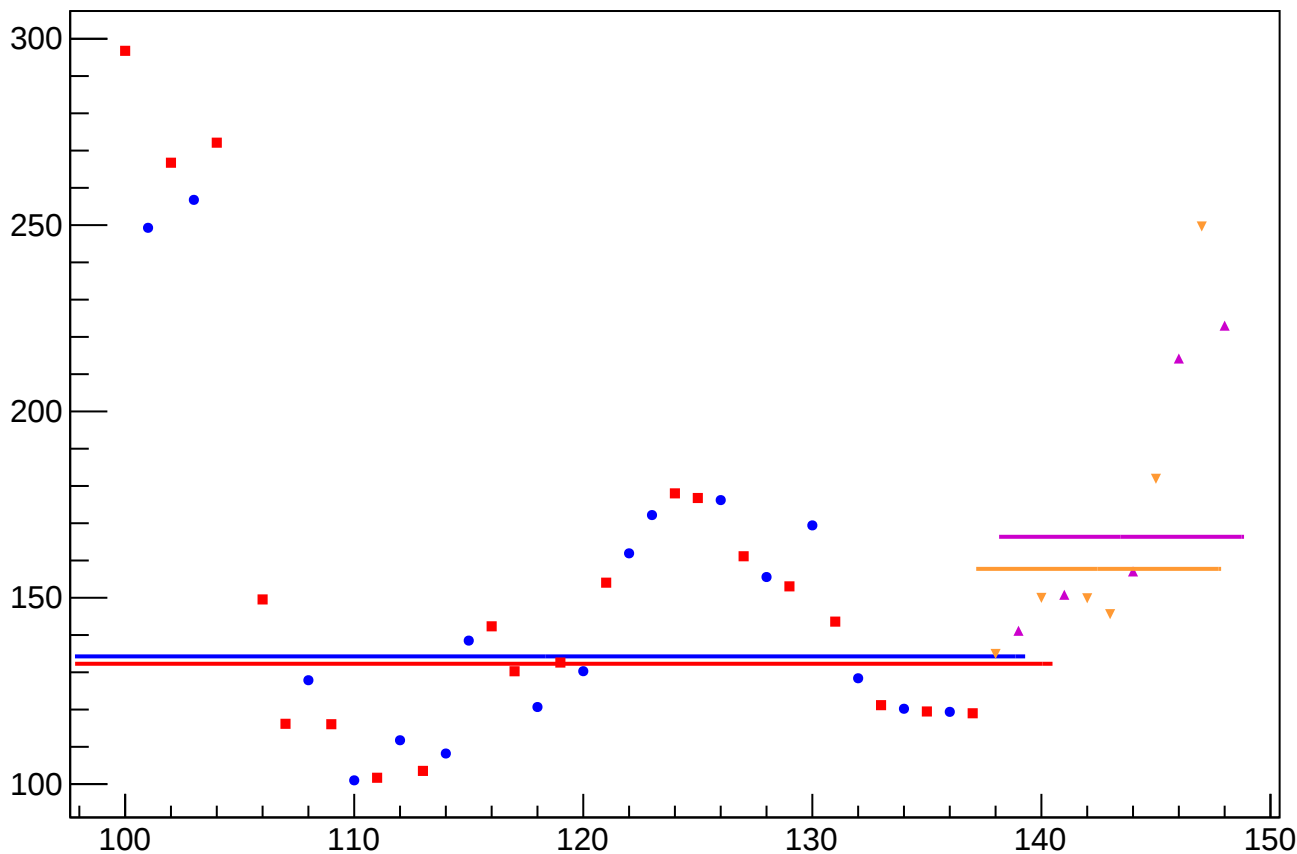
Right Out: 1359.001 ± 52.186 χ^2/NDF : 3838.8/19

Left In: 9369.501 ± 85.446 χ^2/NDF : 5682.2/4

-1304.985 ± 45.022 χ^2/NDF : 22999.1/22

3535.234 ± 44.537 χ^2/NDF : 15922.2/24

asym_bpm1i06WS_rms vs Slug



Right In: 134.268+/-0.039 χ^2/NDF : 788647.0/16

Left Out: 157.755+/-0.056 χ^2/NDF :294749.3/5

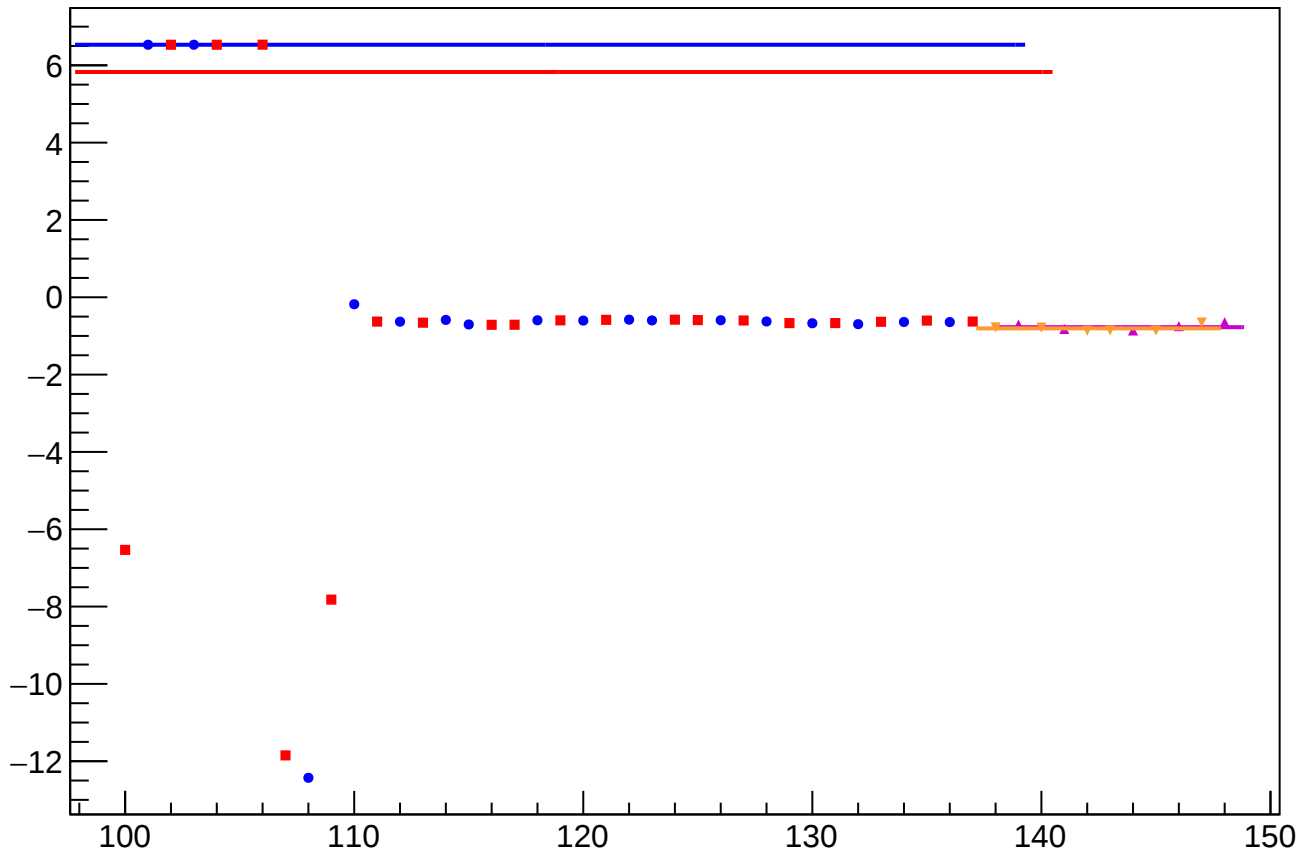
Right Out: 132.288+/-0.037 χ^2/NDF : 869913.4/19

Left In: 166.363+/-0.060 χ^2/NDF :245747.0/4

141.810+/-0.032 χ^2/NDF : 1202061.4/22

141.545+/-0.031 χ^2/NDF : 1347309.8/24

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127906780672.7/16

Left Out: -0.805 $\pm$ 0.000 χ^2 /NDF: 24878630.1/5

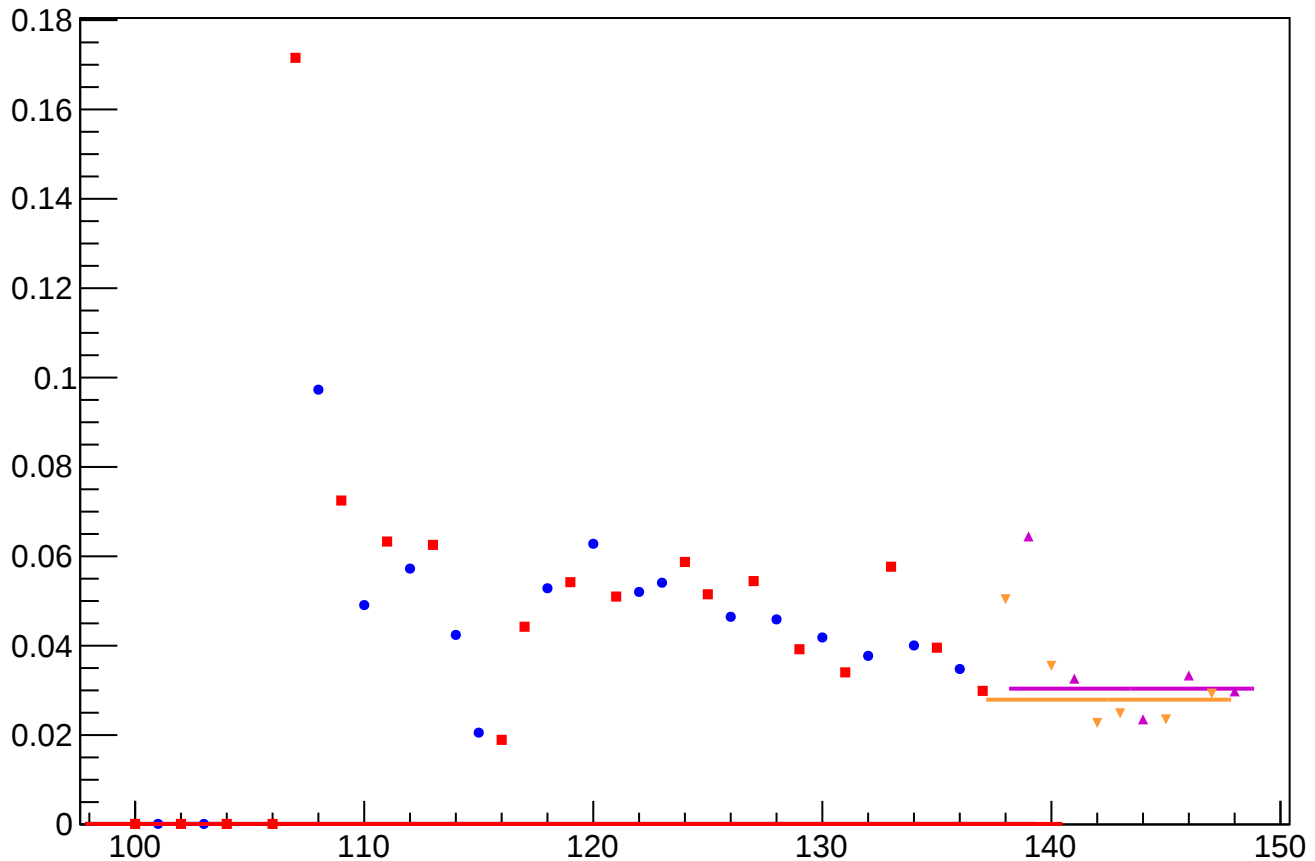
6.531 $\pm$ 0.000 χ^2 /NDF: 329212651060.2/22

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755949520765363.8/19

5.827 $\pm$ 0.000 χ^2 /NDF: 756087386284199.0/24

Left In: -0.773 $\pm$ 0.000 χ^2 /NDF: 22740669.7/4

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.028+/-0.000 χ^2/NDF : 376527.3/5

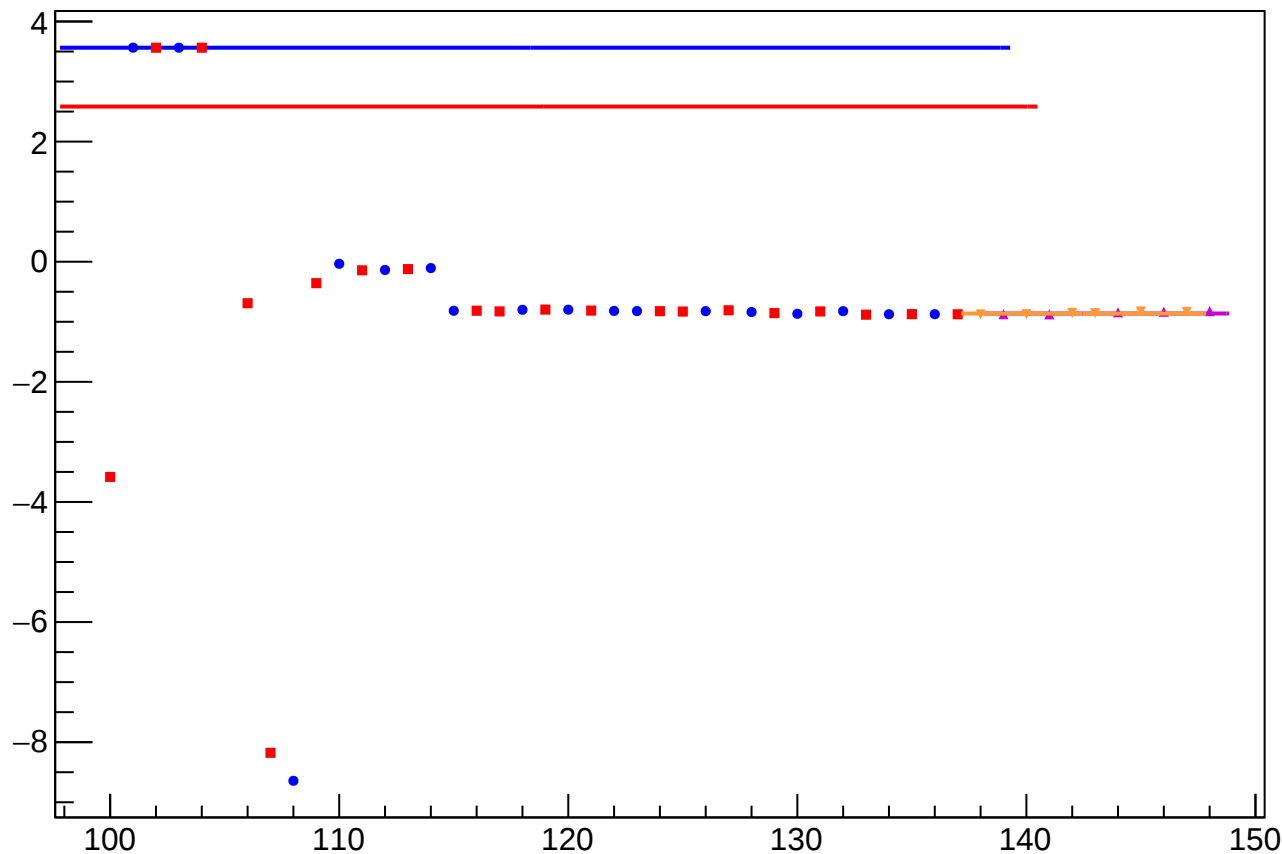
Right Out: 0.000+/-0.000 χ^2/NDF : 9453181.1/19

Left In: 0.030+/-0.000 χ^2/NDF : 489365.8/4

0.000+/-0.000 χ^2/NDF : 15186368.2/22

0.000+/-0.000 χ^2/NDF : 15738292.8/24

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.863+/-0.000 χ^2/NDF : 12483864.8/5

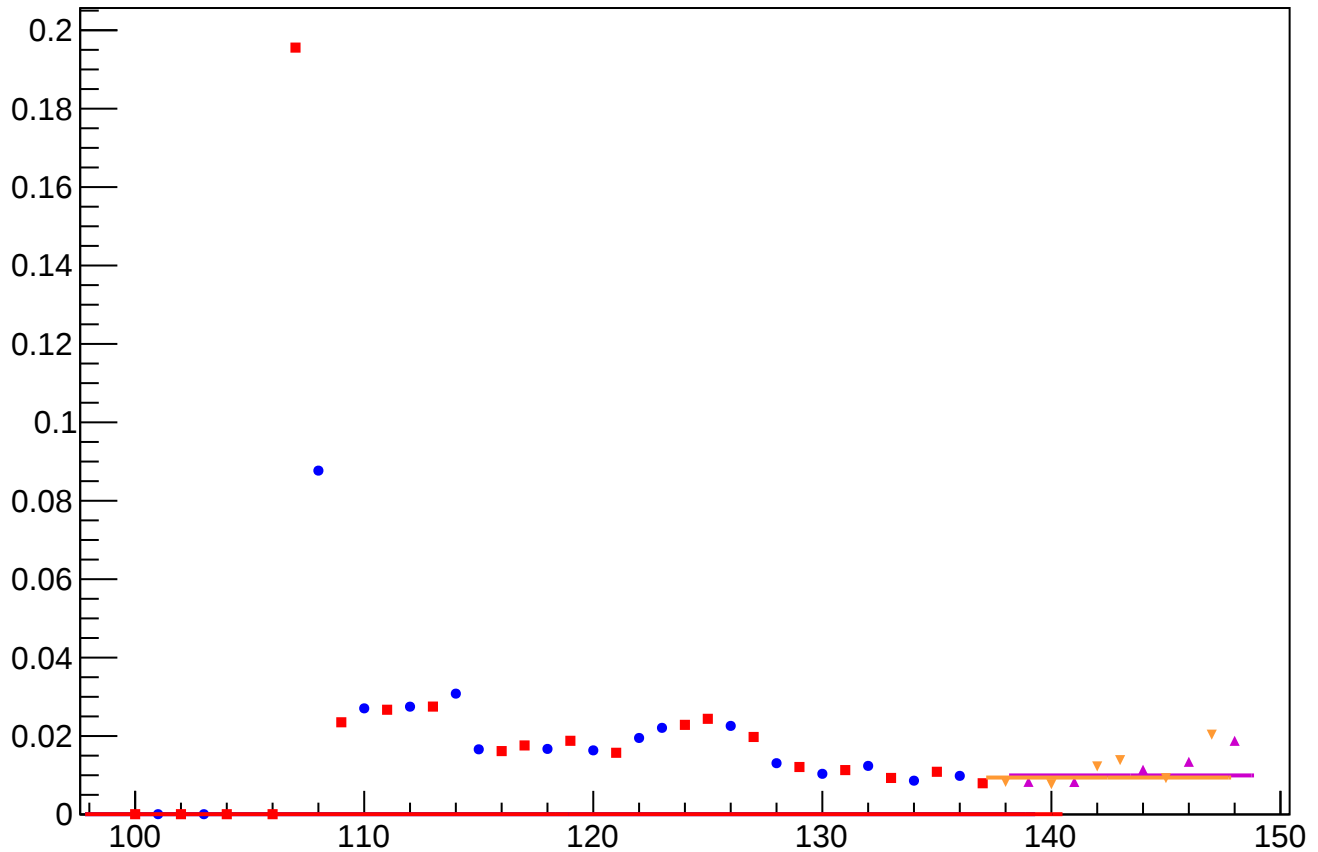
Right Out: 2.583+/-0.000 χ^2/NDF : 1253506756008351.0/19

Left In: -0.862+/-0.000 χ^2/NDF : 11651530.6/4

3.563+/-0.000 χ^2/NDF : 1185461903660.4/22

2.583+/-0.000 χ^2/NDF : 1253877322586192.0/22

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9848258.0/16

Left Out: 0.009+/-0.000 χ^2/NDF : 614370.2/5

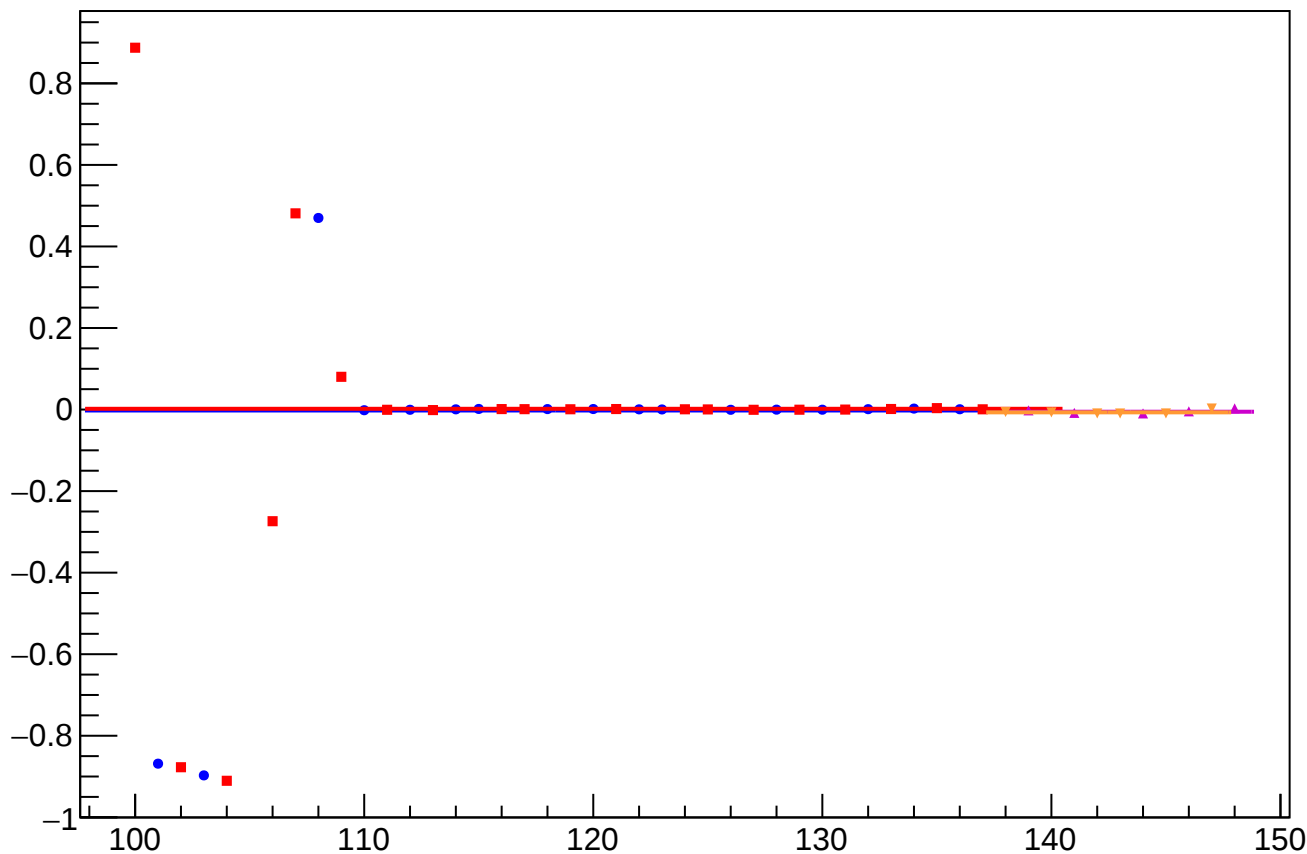
Right Out: 0.000+/-0.000 χ^2/NDF : 9955781.5/19

Left In: 0.010+/-0.000 χ^2/NDF : 515671.0/4

0.000+/-0.000 χ^2/NDF : 16690962.2/22

0.000+/-0.000 χ^2/NDF : 16569373.4/24

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9795424036.3/16

Left Out: -0.007+/-0.000 χ^2/NDF : 27115668.0/5

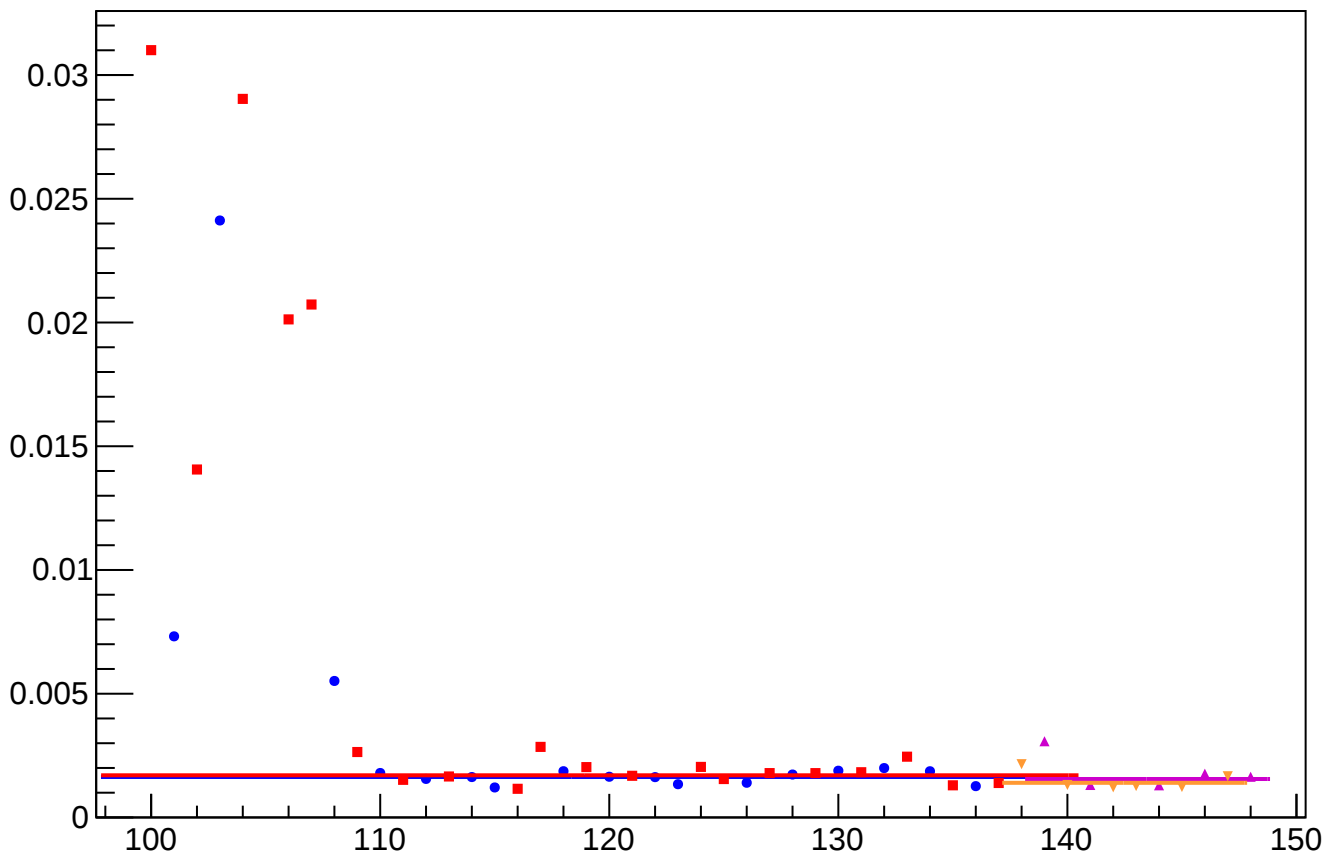
Right Out: 0.002+/-0.000 χ^2/NDF : 3041335141.0/19

Left In: -0.005+/-0.000 χ^2/NDF : 26604178.3/4

-0.004+/-0.000 χ^2/NDF : 9839058899.0/22

-0.001+/-0.000 χ^2/NDF : 3103416510.7/24

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1919127.9/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:225665.6/5

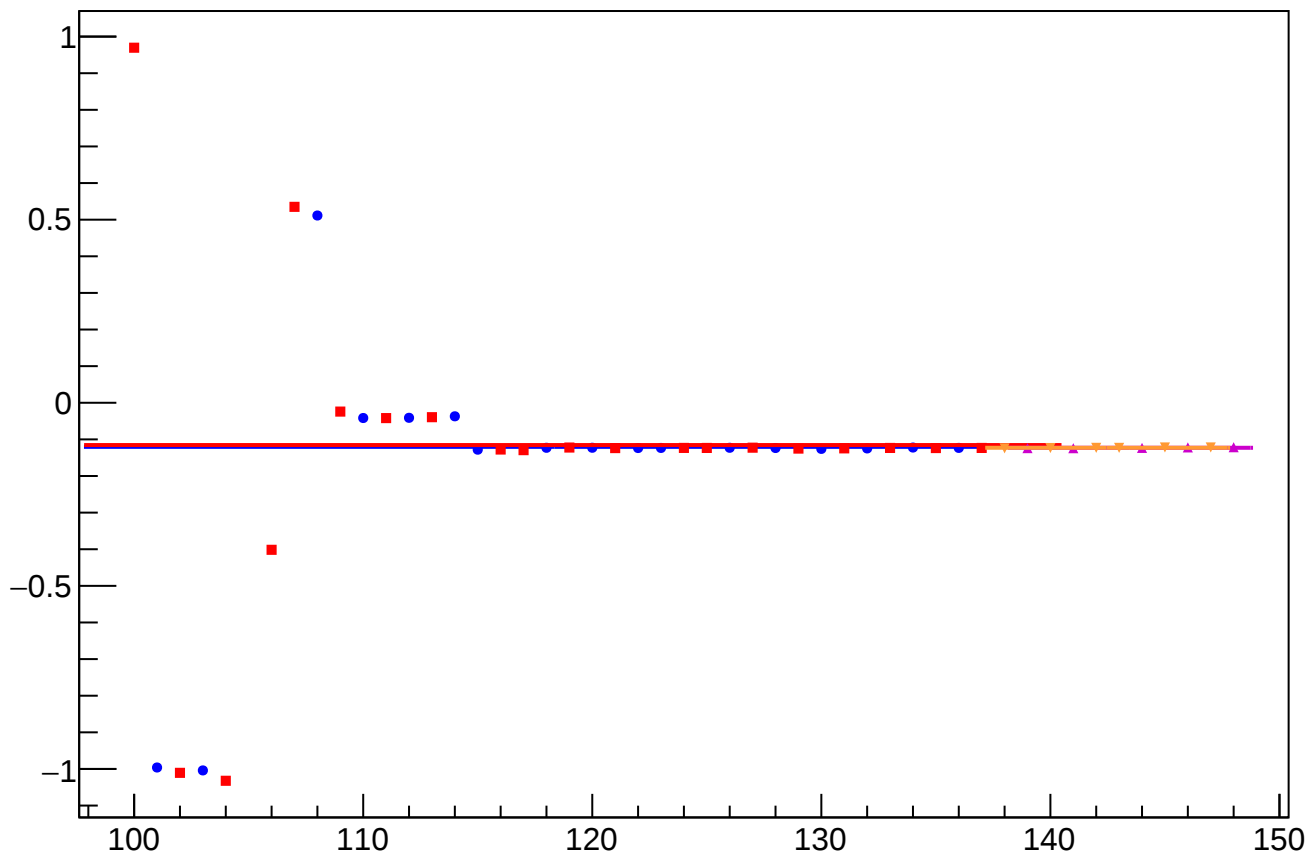
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3038397.4/19

Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:441703.8/4

0.002 $\pm$ 0.000 χ^2 /NDF: 2233924.7/22

0.002 $\pm$ 0.000 χ^2 /NDF: 3510663.9/24

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.123+/-0.000 χ^2/NDF :1877940.8/5

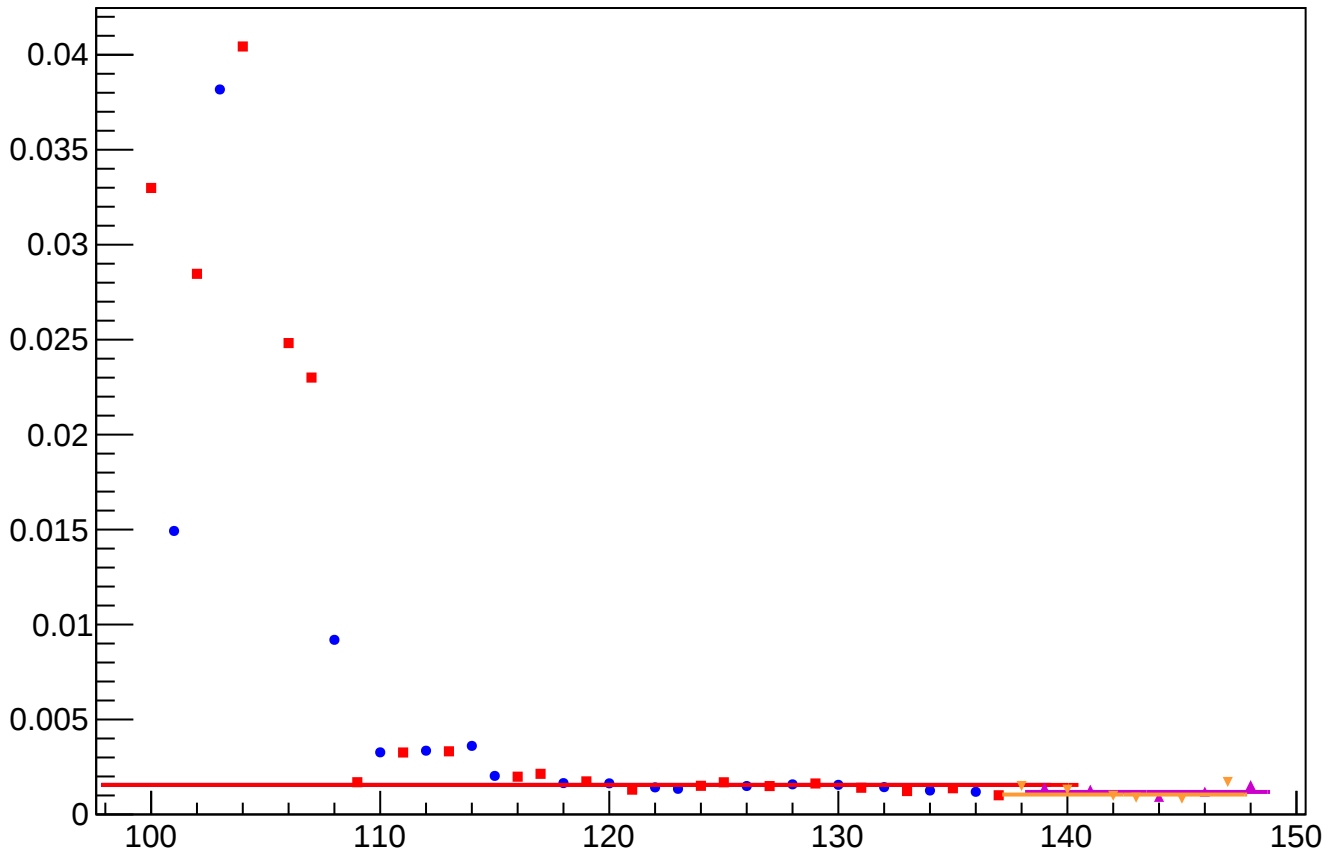
-0.122+/-0.000 χ^2/NDF : 3941832801.9/22

Right Out: -0.115+/-0.000 χ^2/NDF : 2458720596.9/19

-0.120+/-0.000 χ^2/NDF : 2520807585.1/24

Left In: -0.123+/-0.000 χ^2/NDF :2211934.3/4

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 :544445.6/5

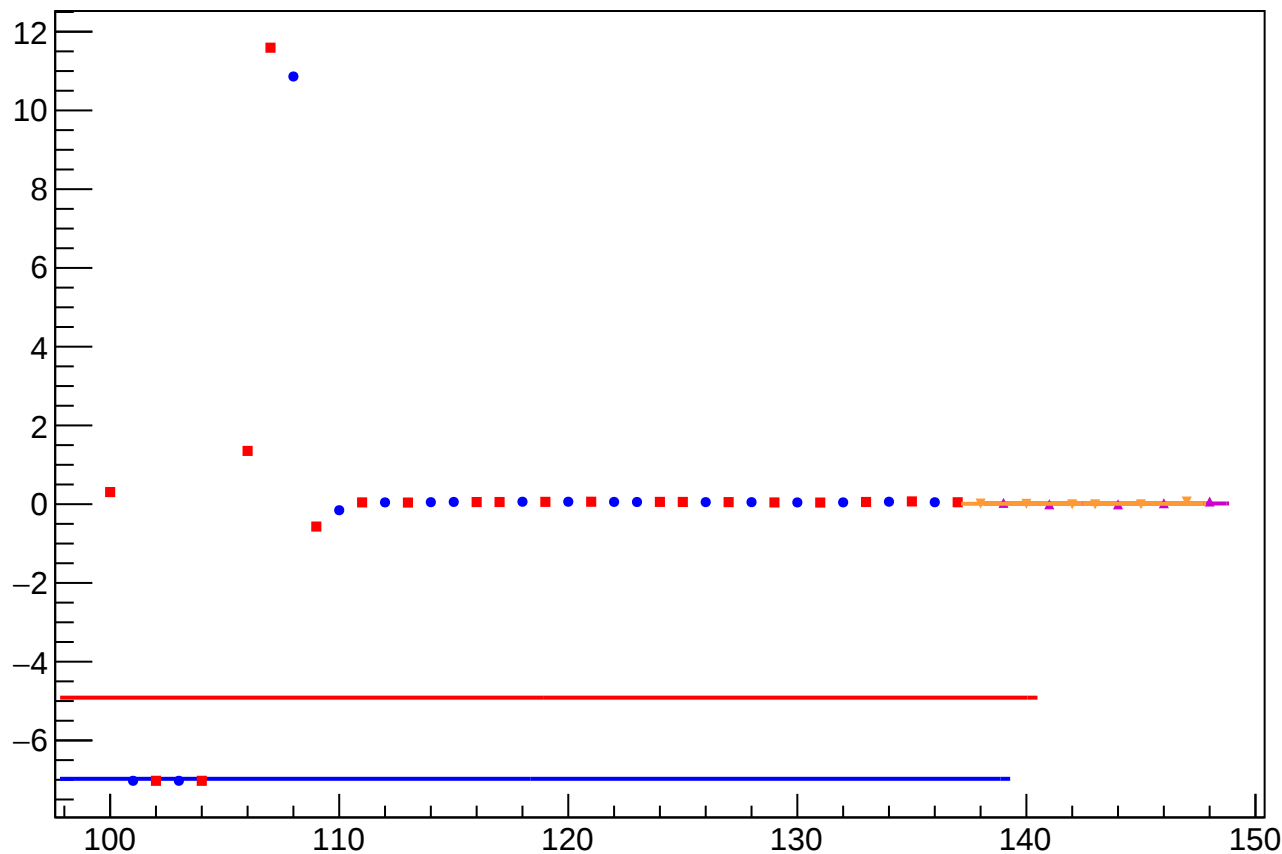
0.001+/-0.000 χ^2/NDF : 4071023.1/22

Right Out: 0.002+/-0.000 χ^2/NDF : 3544377.2/19

0.001+/-0.000 χ^2/NDF : 4094803.4/24

Left In: 0.001+/-0.000 χ^2/NDF :253842.9/4

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.010+/-0.000 χ^2/NDF : 26400333.1/5

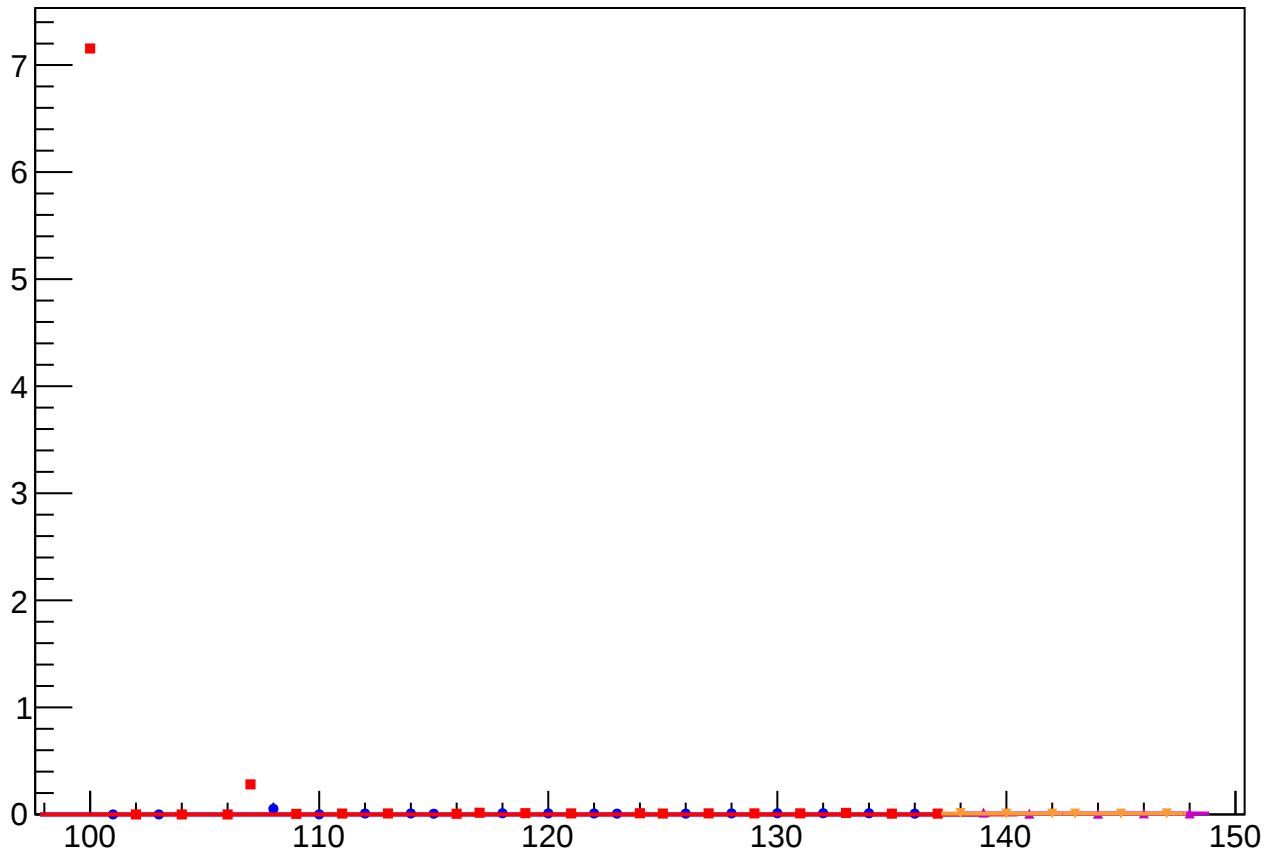
Right Out: -4.914+/-0.000 χ^2/NDF : 365366243956054.8/19

Left In: 0.018+/-0.000 χ^2/NDF : 27891744.7/4

-6.963+/-0.000 χ^2/NDF : 10900047341959.8/22

-4.907+/-0.000 χ^2/NDF : 366242493410015.9/2

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8362763.6/16

Left Out: 0.008+/-0.000 χ^2/NDF :229606.3/5

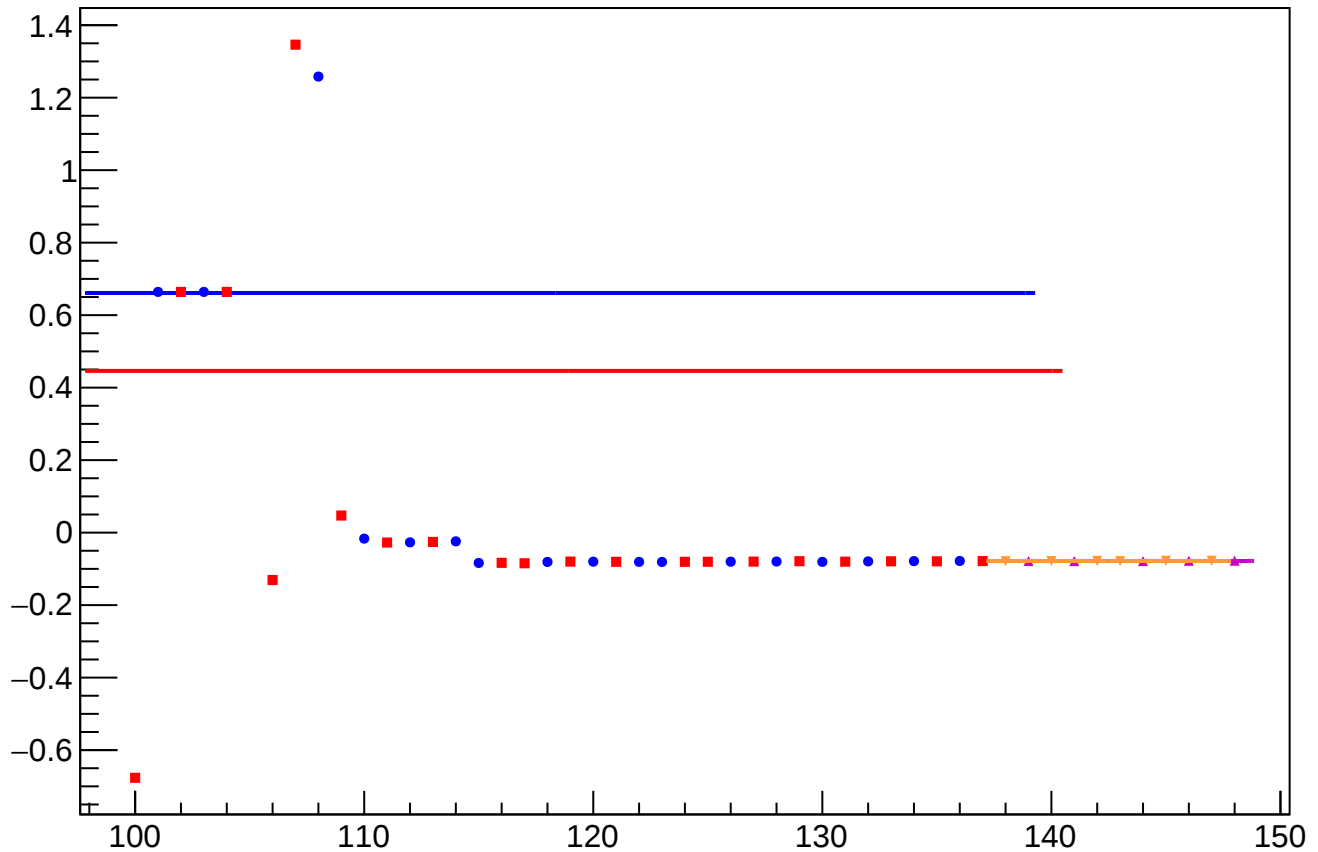
Right Out: 0.000+/-0.000 χ^2/NDF : 8880914.4/19

Left In: 0.009+/-0.000 χ^2/NDF :441465.1/4

0.000+/-0.000 χ^2/NDF : 14250538.1/22

0.000+/-0.000 χ^2/NDF : 15022003.8/24

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5678332616622.1/16

Left Out: -0.078+/-0.000 χ^2/NDF : 2373410.3/5

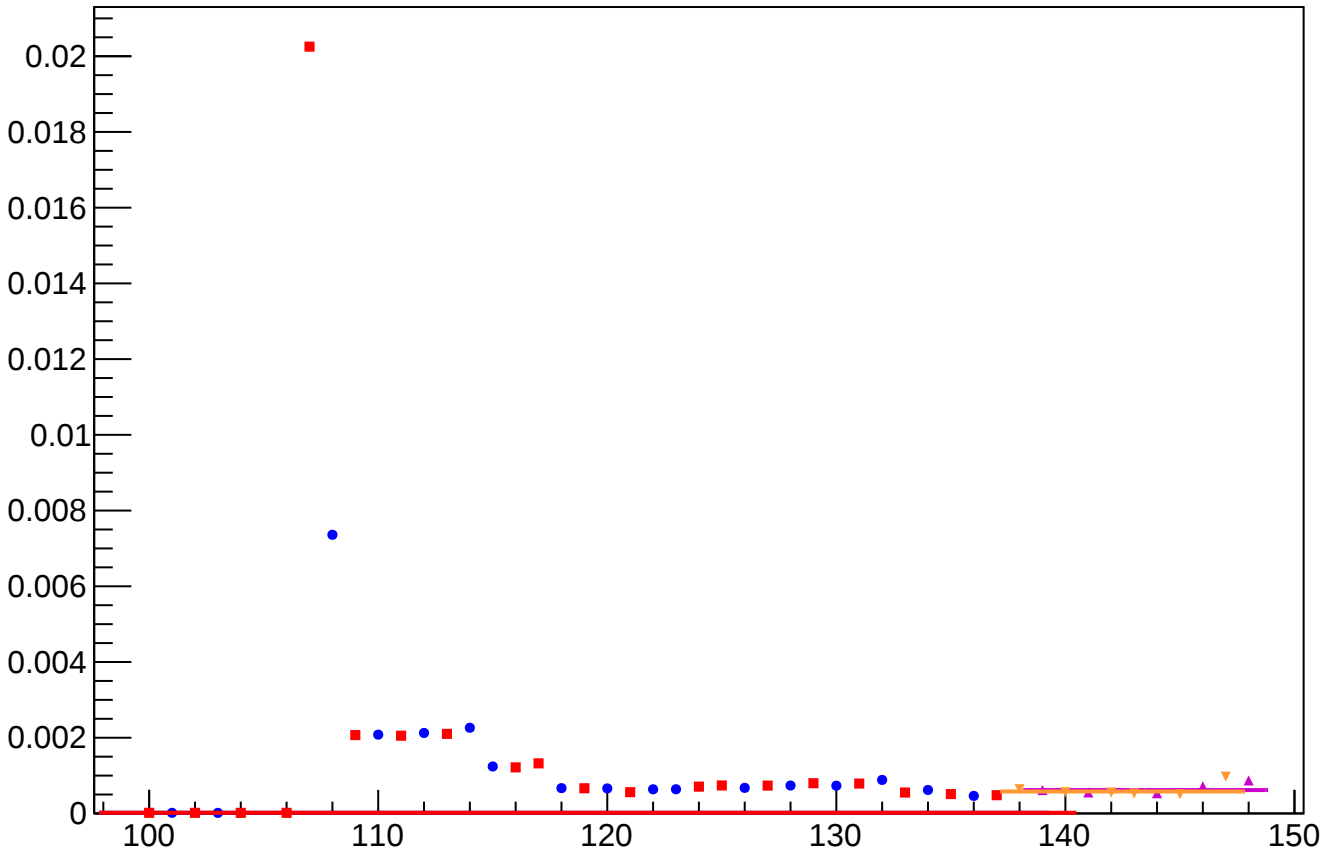
Right Out: 0.446+/-0.000 χ^2/NDF : 405434749783850.4/19

Left In: -0.078+/-0.000 χ^2/NDF : 1433246.1/4

0.658+/-0.000 χ^2/NDF : 11819723339062.5/22

0.444+/-0.000 χ^2/NDF : 408081621234857.1/24

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9997012.7/16

0.000+/-0.000 χ^2/NDF : 17398073.2/22

Left Out: 0.001+/-0.000 χ^2/NDF :303517.8/5

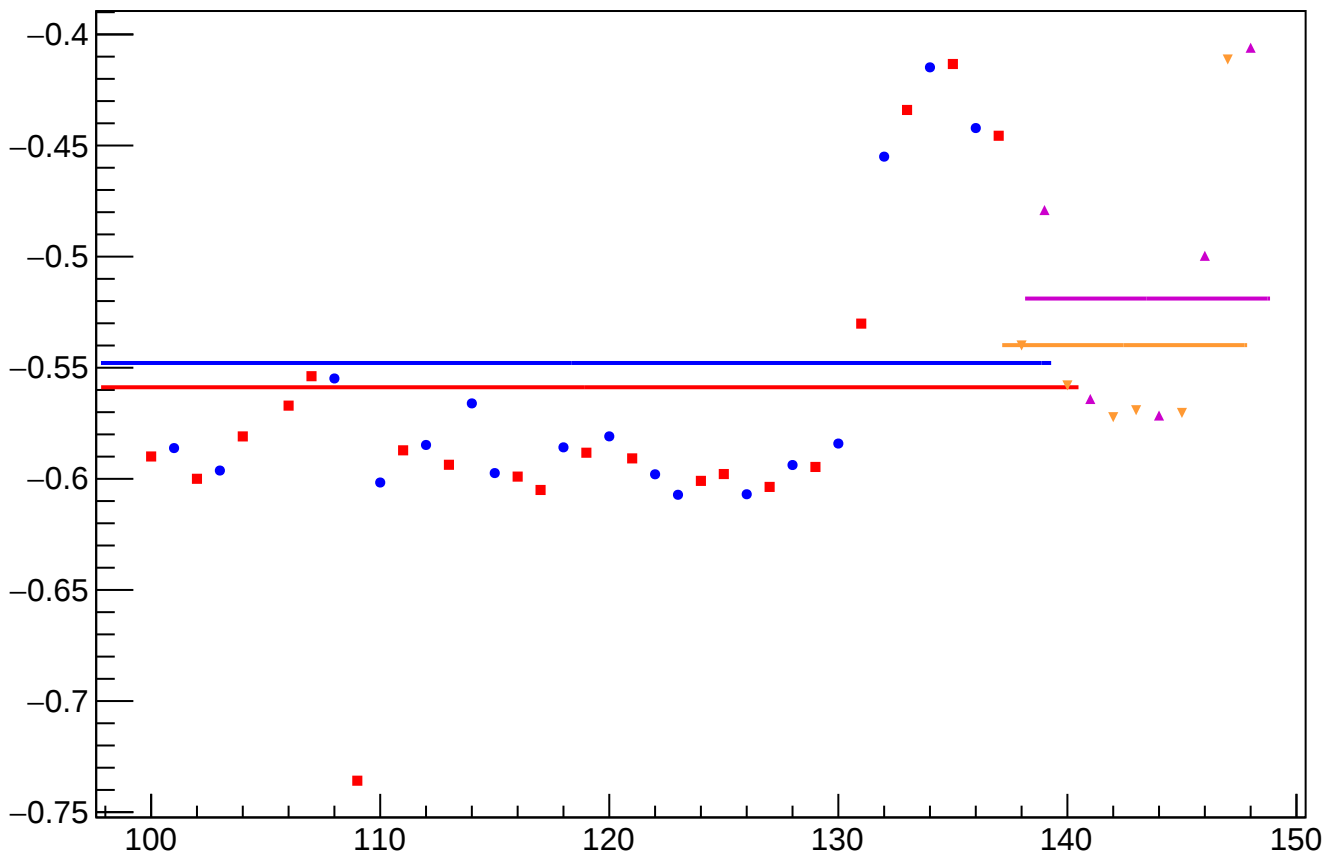
0.000+/-0.000 χ^2/NDF : 17398073.2/22

Right Out: 0.000+/-0.000 χ^2/NDF : 9575039.3/19

0.000+/-0.000 χ^2/NDF : 16711036.3/24

Left In: 0.001+/-0.000 χ^2/NDF :218961.3/4

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.540+/-0.000 χ^2/NDF : 28153071.7/5

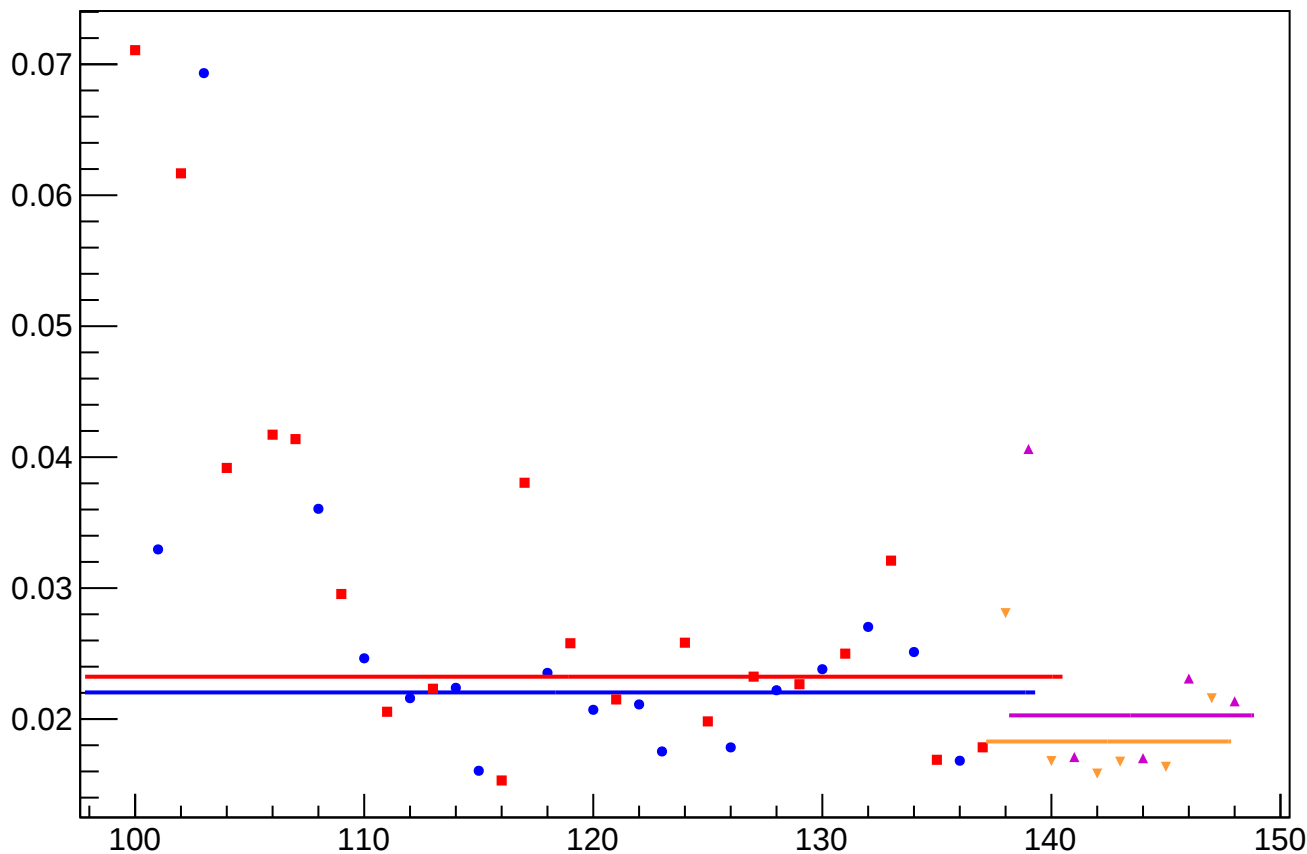
Right Out: -0.559+/-0.000 χ^2/NDF : 65741796.4/19

Left In: -0.519+/-0.000 χ^2/NDF : 29469548.7/4

-0.544+/-0.000 χ^2/NDF : 77041846.7/22

-0.542+/-0.000 χ^2/NDF : 101864378.2/24

yield_bpm4aX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 958966.6/16

Left Out: 0.018 ± 0.000 χ^2/NDF : 218777.2/5

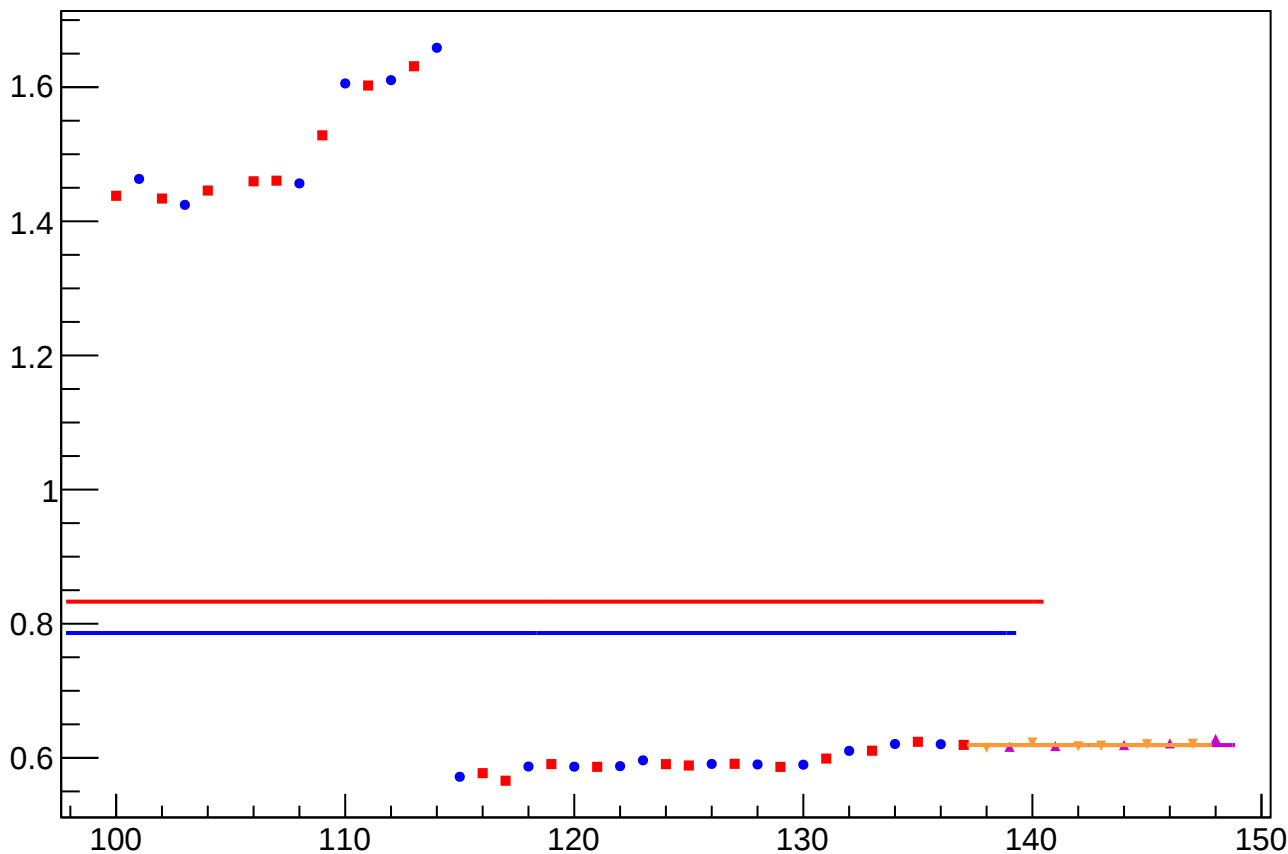
Right Out: 0.023 ± 0.000 χ^2/NDF : 1169205.3/19

Left In: 0.020 ± 0.000 χ^2/NDF : 447702.2/4

0.020 ± 0.000 χ^2/NDF : 1312049.5/22

0.022 ± 0.000 χ^2/NDF : 1689753.3/24

yield_bpm4aY_mean vs Slug



Right In: 0.786+/-0.000 χ^2/NDF : 3590113316.1/16

Left Out: 0.619+/-0.000 χ^2/NDF :198195.3/5

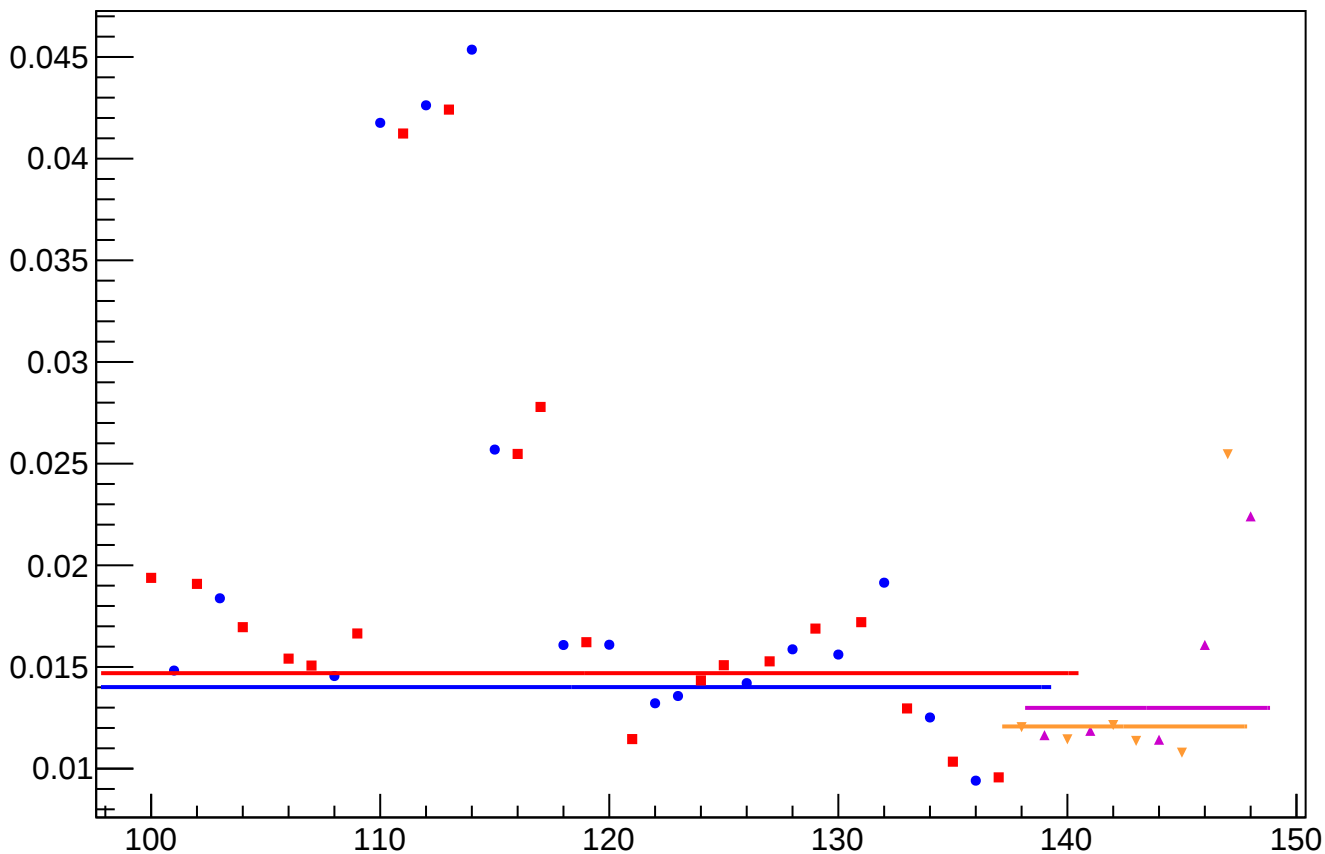
Right Out: 0.833+/-0.000 χ^2/NDF : 4160348649.7/19

Left In: 0.619+/-0.000 χ^2/NDF :193020.0/4

0.707+/-0.000 χ^2/NDF : 3971487548.0/22

0.740+/-0.000 χ^2/NDF : 4715069500.8/24

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1404865.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 441476.1/5

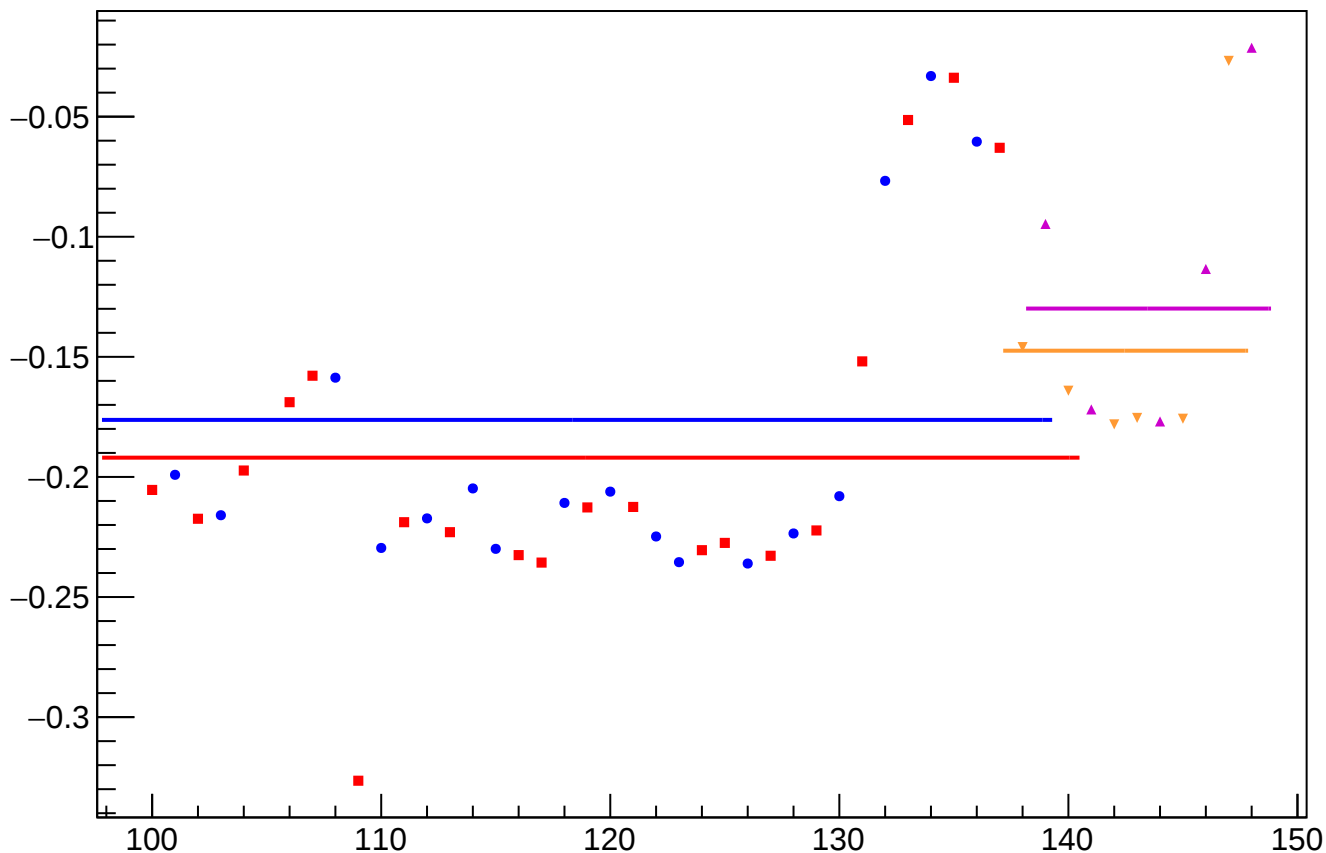
Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1280473.4/19

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 385696.8/4

0.013 $\pm$ 0.000 χ^2 /NDF: 1948780.6/22

0.014 $\pm$ 0.000 χ^2 /NDF: 1736901.1/24

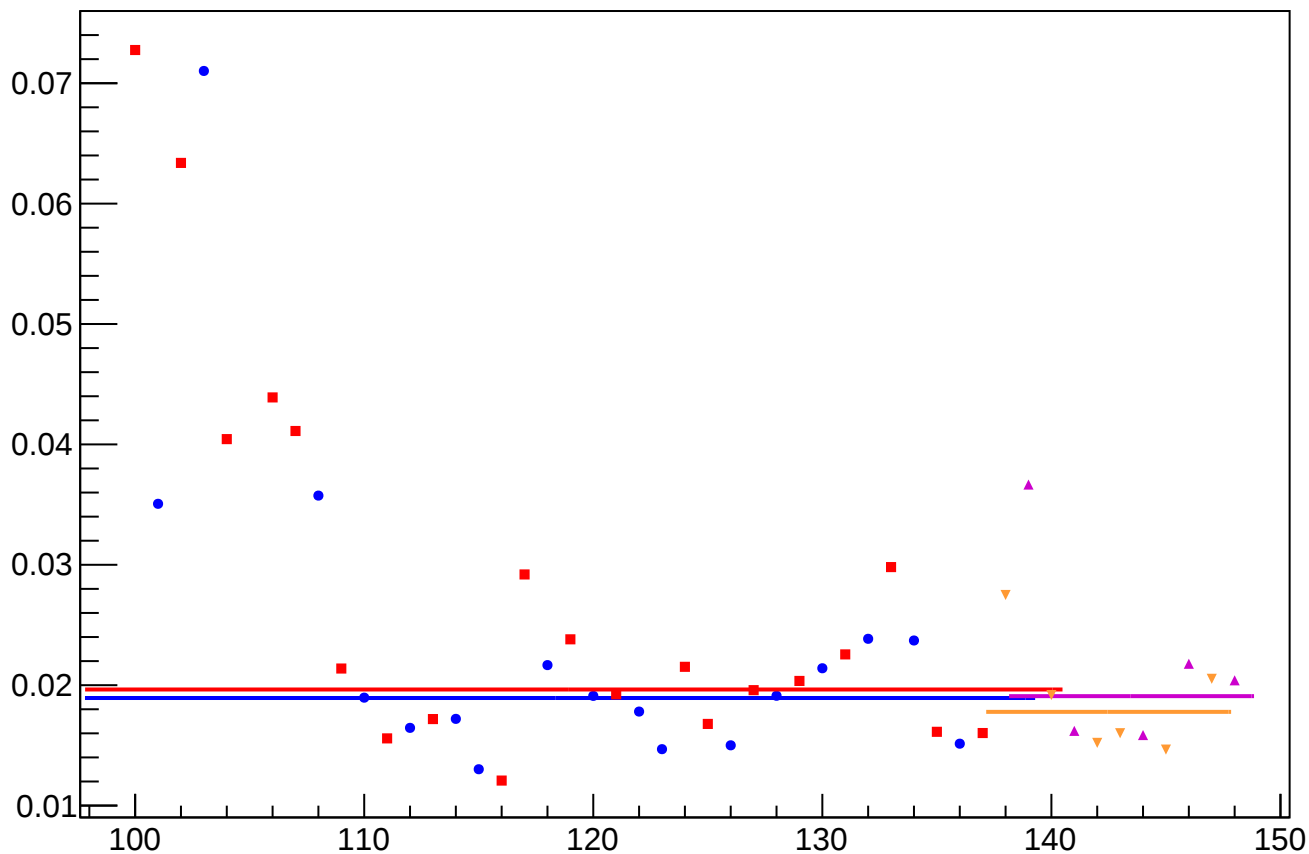
yield_bpm4eX_mean vs Slug



-0.165 +/- 0.000 χ^2/NDF : 102369711.8/22

-0.169 +/- 0.000 χ^2/NDF : 132791806.4/24

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.018+/-0.000 χ^2/NDF : 260420.4/5

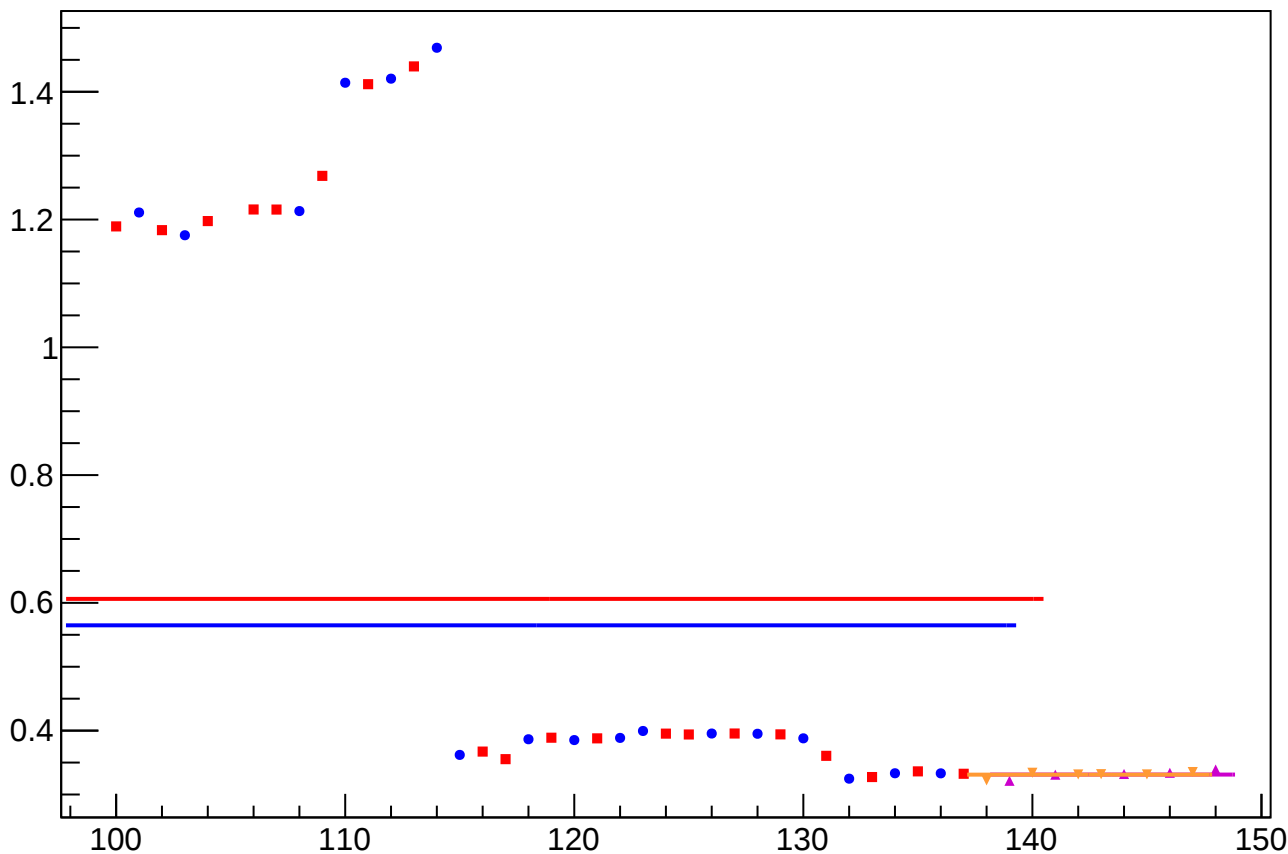
Right Out: 0.020+/-0.000 χ^2/NDF : 1466285.9/19

Left In: 0.019+/-0.000 χ^2/NDF : 425277.1/4

0.018+/-0.000 χ^2/NDF : 1481285.8/22

0.019+/-0.000 χ^2/NDF : 1894690.4/24

yield_bpm4eY_mean vs Slug



Right In: 0.565+/-0.000 χ^2/NDF : 5030969499.3/16

Left Out: 0.331+/-0.000 χ^2/NDF : 405165.8/5

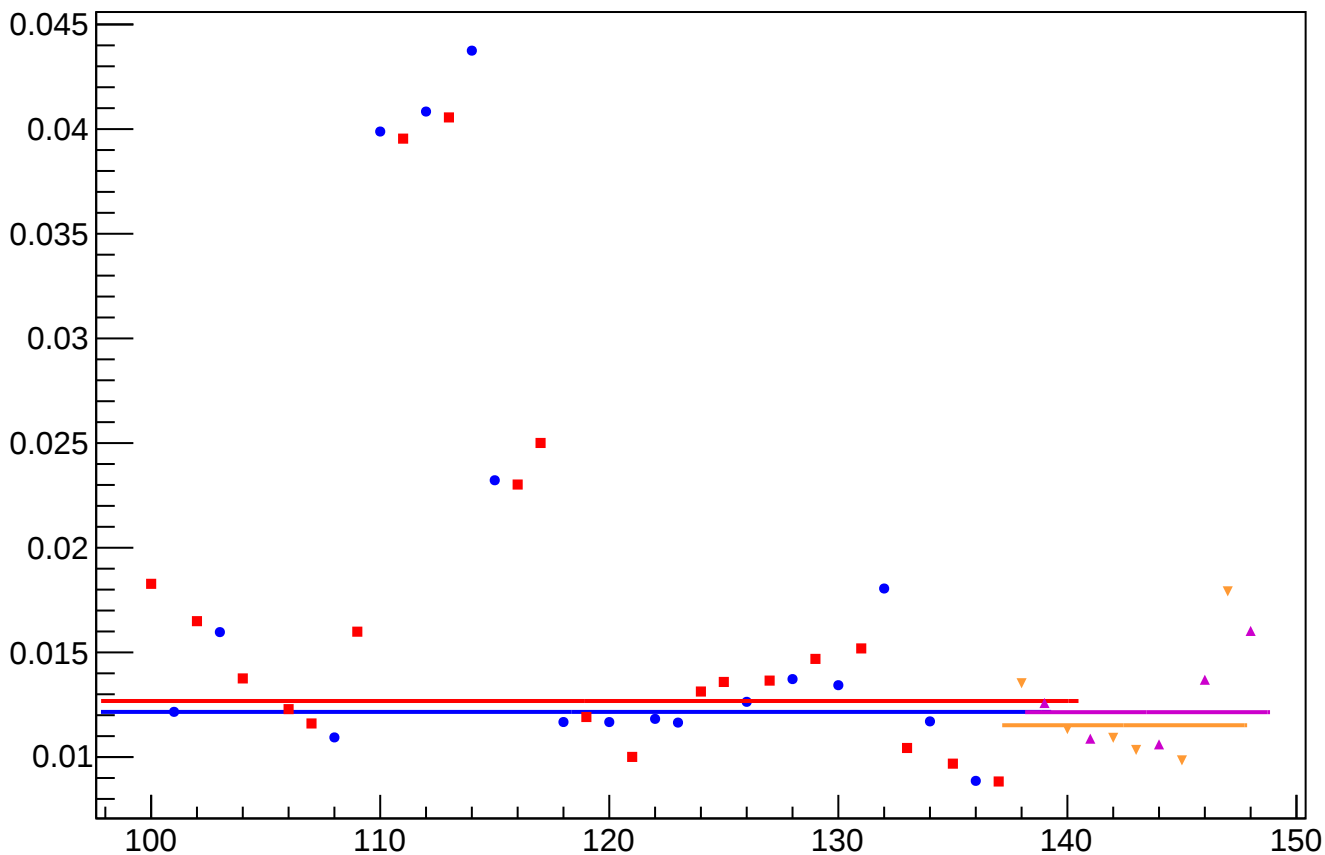
Right Out: 0.606+/-0.000 χ^2/NDF : 5517630064.2/19

Left In: 0.331+/-0.000 χ^2/NDF : 621881.6/4

0.465+/-0.000 χ^2/NDF : 5930145063.3/22

0.495+/-0.000 χ^2/NDF : 6648575123.0/24

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1309888.8/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:283821.9/5

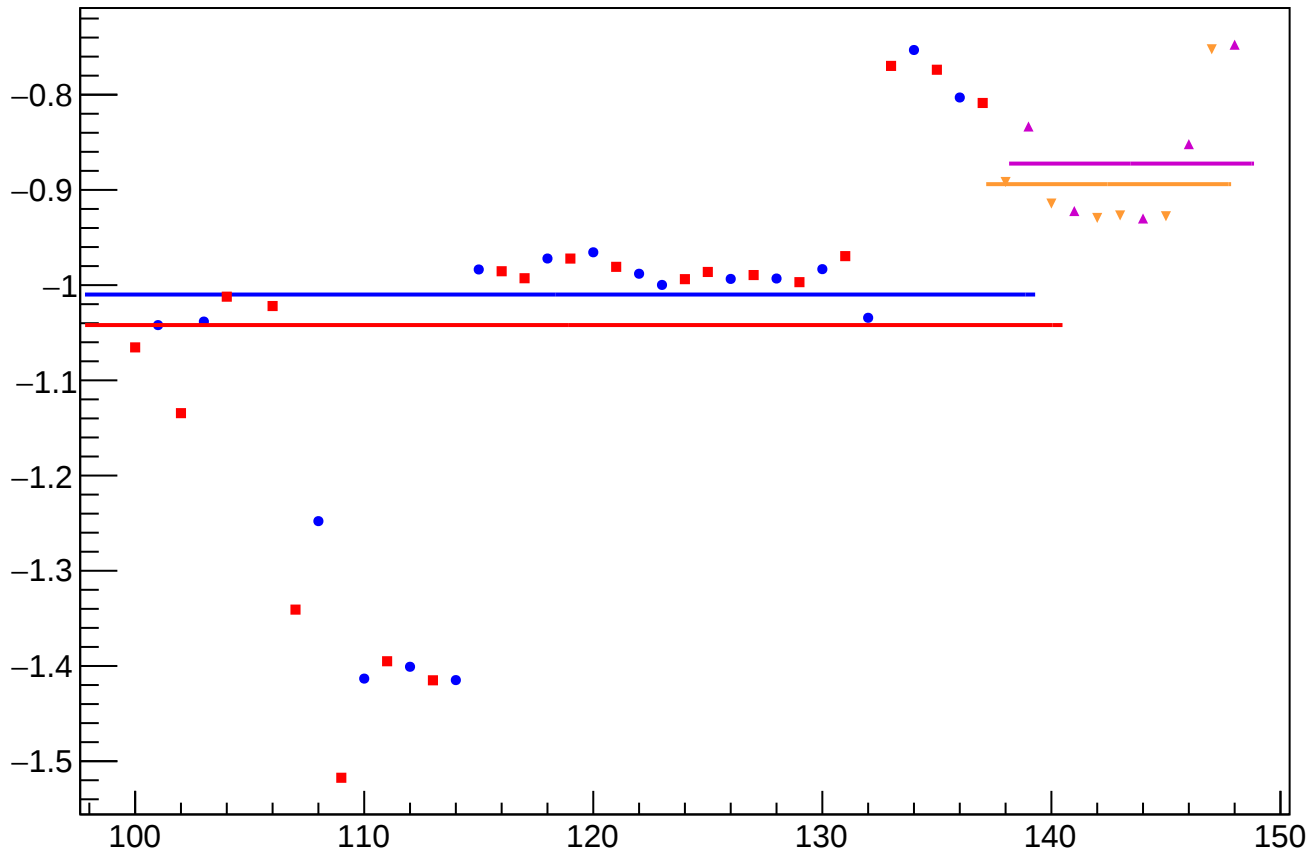
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1289415.7/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:166530.0/4

0.012 $\pm$ 0.000 χ^2 /NDF: 1607059.2/22

0.012 $\pm$ 0.000 χ^2 /NDF: 1464478.7/24

yield_bpm4acX_mean vs Slug



Right In: -1.010+/-0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.894+/-0.000 χ^2/NDF : 35899996.6/5

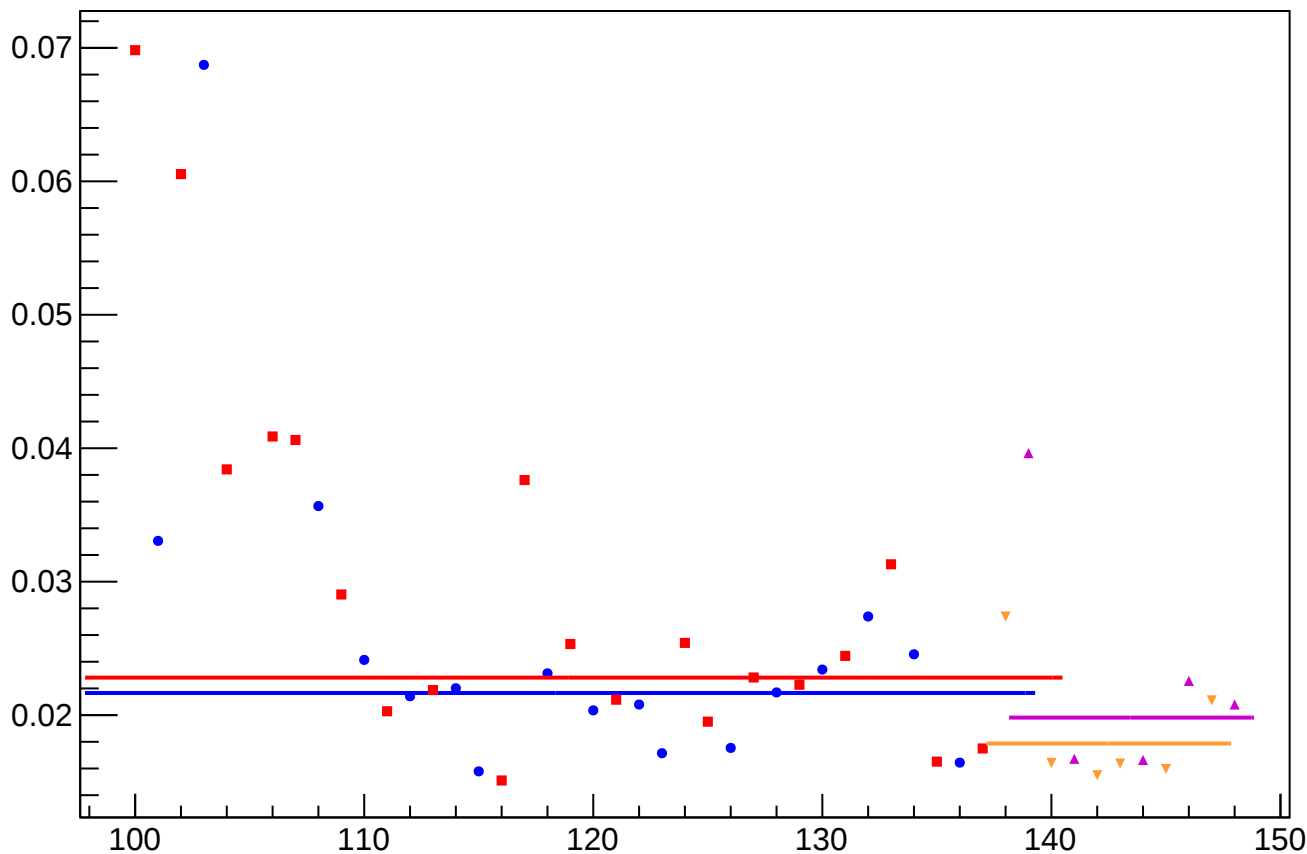
Right Out: -1.042+/-0.000 χ^2/NDF : 530175104.2/19

Left In: -0.872+/-0.000 χ^2/NDF : 37514566.1/4

-0.957+/-0.000 χ^2/NDF : 490514064.2/22

-0.970+/-0.000 χ^2/NDF : 692901471.8/24

yield_bpm4acX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 983499.8/16

Left Out: 0.018+/-0.000 χ^2/NDF : 217768.8/5

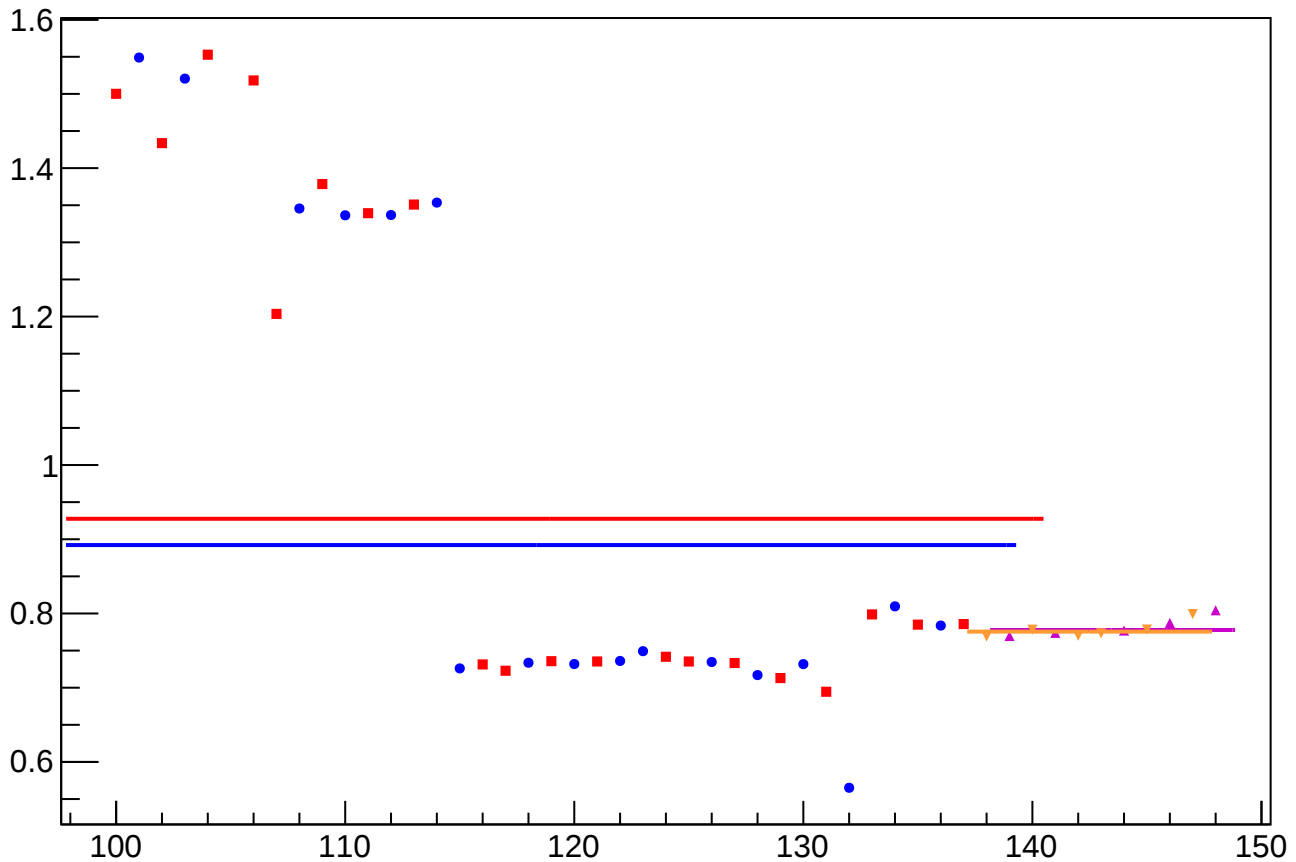
Right Out: 0.023+/-0.000 χ^2/NDF : 1165116.5/19

Left In: 0.020+/-0.000 χ^2/NDF : 445280.1/4

0.020+/-0.000 χ^2/NDF : 1344383.1/22

0.022+/-0.000 χ^2/NDF : 1688645.4/24

yield_bpm4acY_mean vs Slug



Right In: 0.892+/-0.000 χ^2/NDF : 2413732173.6/16

Left Out: 0.776+/-0.000 χ^2/NDF :1050408.7/5

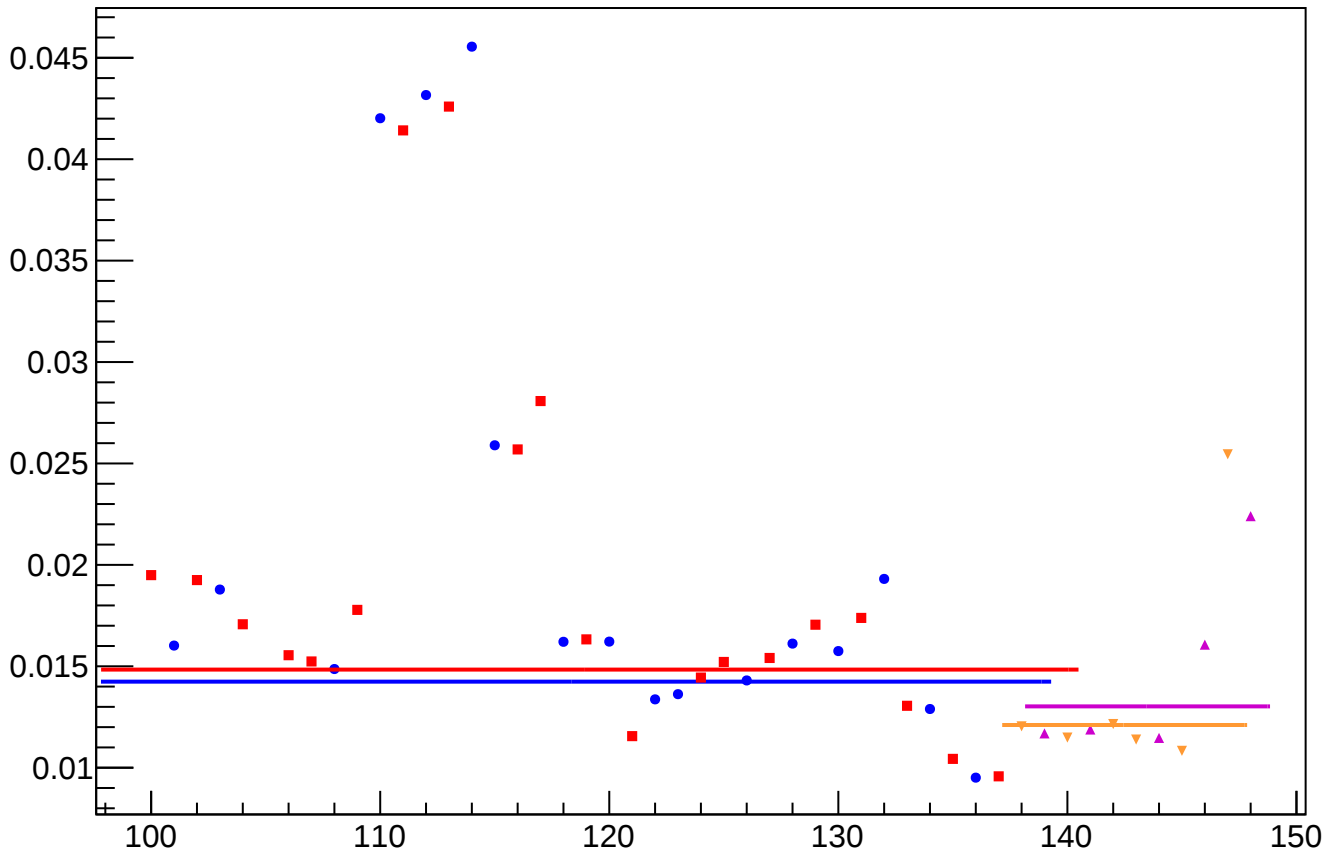
0.836+/-0.000 χ^2/NDF : 2596666377.5/22

Right Out: 0.928+/-0.000 χ^2/NDF : 2439574936.7/19

0.862+/-0.000 χ^2/NDF : 2710013040.3/24

Left In: 0.778+/-0.000 χ^2/NDF :1732741.9/4

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1415681.3/16

Left Out: 0.012+/-0.000 χ^2/NDF : 438071.2/5

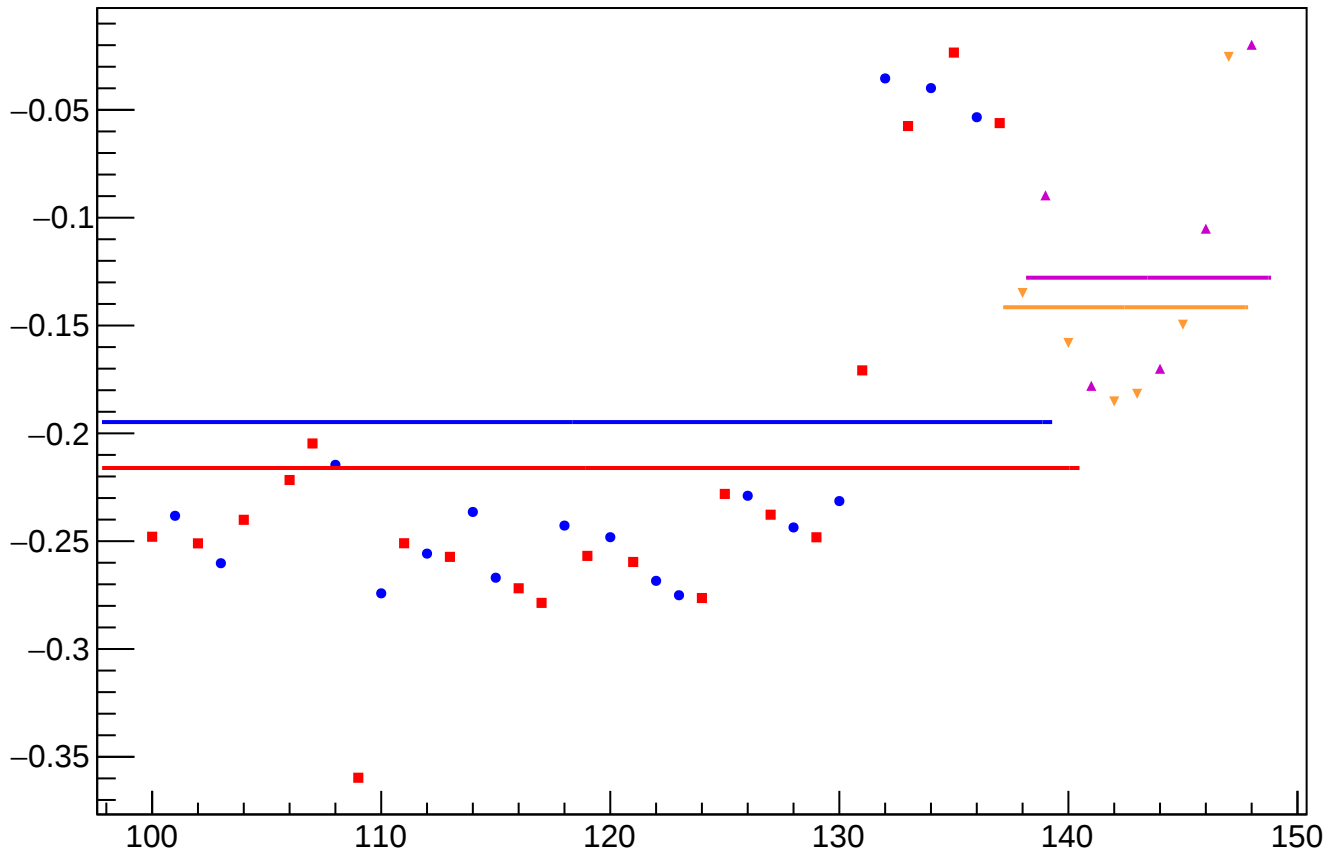
Right Out: 0.015+/-0.000 χ^2/NDF : 1291174.0/19

Left In: 0.013+/-0.000 χ^2/NDF : 381021.7/4

0.013+/-0.000 χ^2/NDF : 1976010.5/22

0.014+/-0.000 χ^2/NDF : 1750985.3/24

yield_bpm4ecX_mean vs Slug



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.142+/-0.000 χ^2/NDF : 26476497.7/5

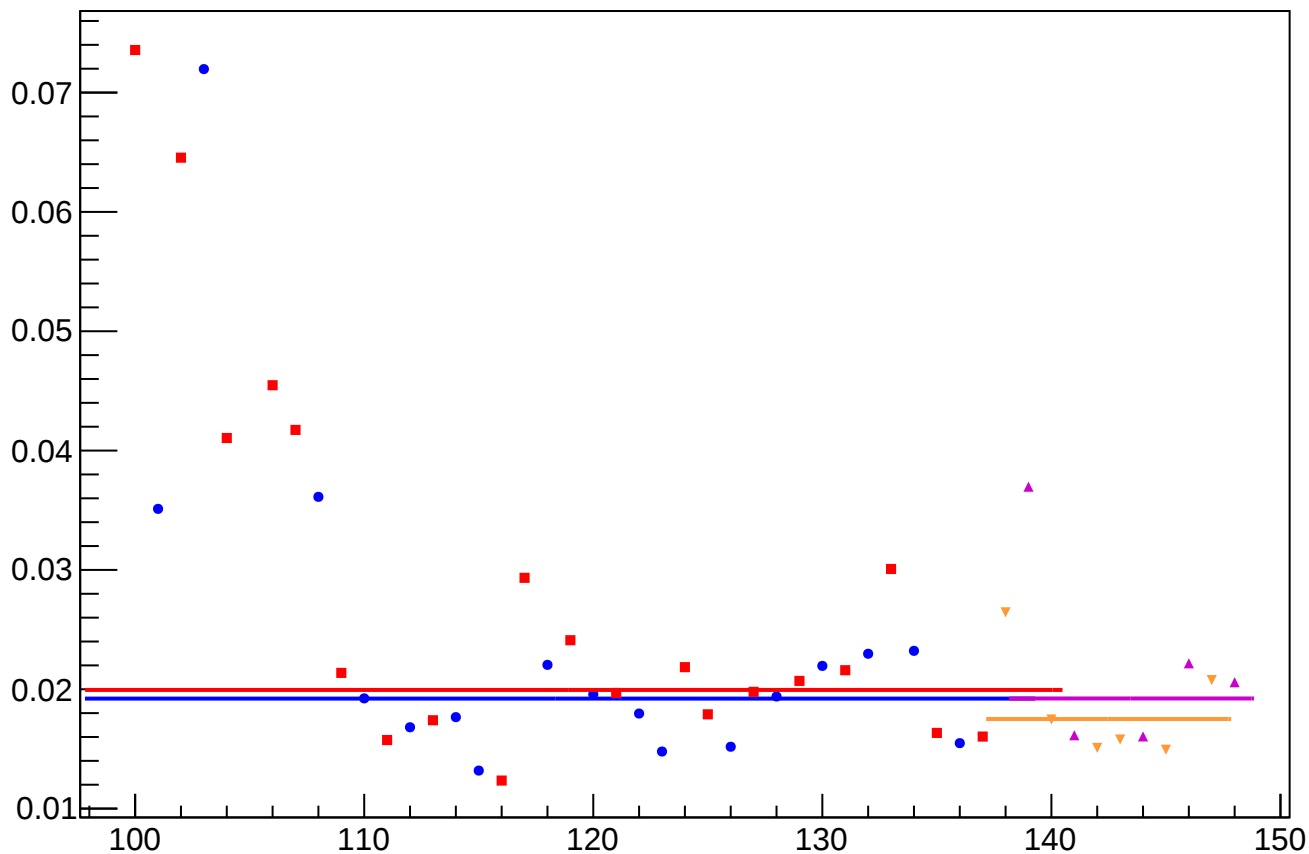
-0.173+/-0.000 χ^2/NDF : 151195004.7/22

Right Out: -0.216+/-0.000 χ^2/NDF : 112167032.2/19

-0.182+/-0.000 χ^2/NDF : 180722320.7/24

Left In: -0.128+/-0.000 χ^2/NDF : 29595207.8/4

yield_bpm4ecX_rms vs Slug



Right In: 0.019 ± 0.000 χ^2/NDF : 1177085.4/16

Left Out: 0.018 ± 0.000 χ^2/NDF : 227953.1/5

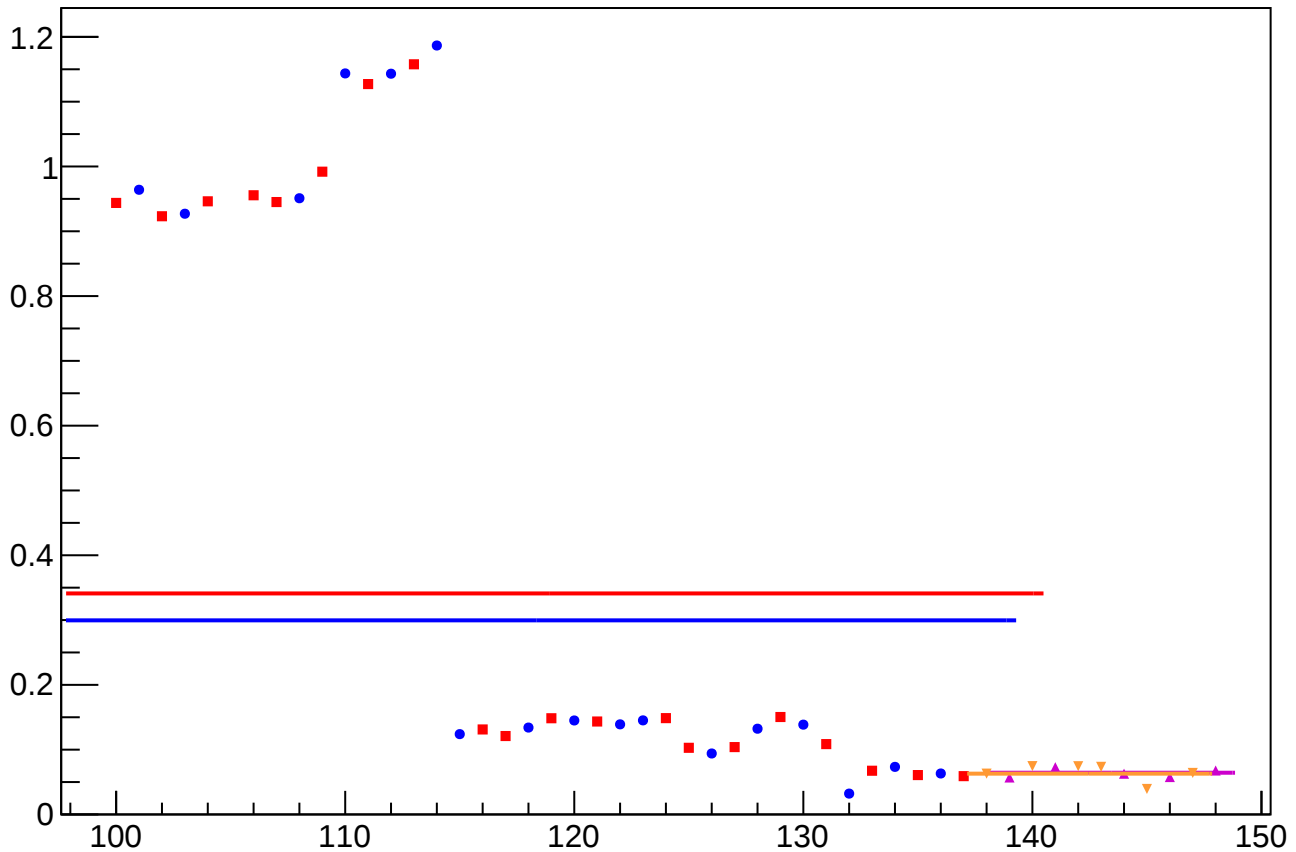
Right Out: 0.020 ± 0.000 χ^2/NDF : 1455211.7/19

Left In: 0.019 ± 0.000 χ^2/NDF : 431809.2/4

0.019 ± 0.000 χ^2/NDF : 1438142.7/22

0.020 ± 0.000 χ^2/NDF : 1892147.1/24

yield_bpm4ecY_mean vs Slug



Right In: 0.300 $\pm$ 0.000 χ^2 /NDF: 5165052137.6/16

Left Out: 0.063 $\pm$ 0.000 χ^2 /NDF: 6299520.4/5

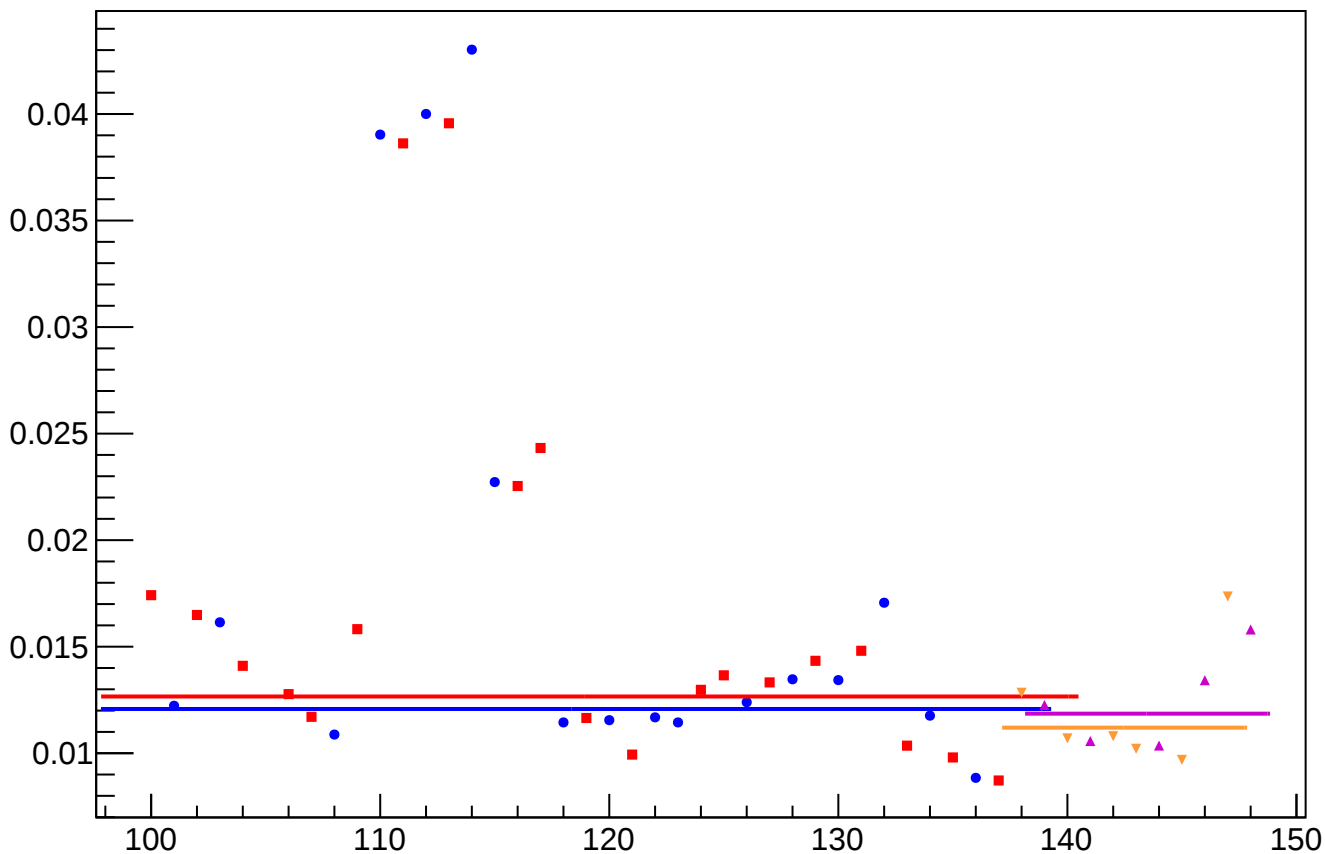
0.196 $\pm$ 0.000 χ^2 /NDF: 6128097943.6/22

Right Out: 0.341 $\pm$ 0.000 χ^2 /NDF: 5453748737.7/19

0.226 $\pm$ 0.000 χ^2 /NDF: 6632827433.9/24

Left In: 0.064 $\pm$ 0.000 χ^2 /NDF: 997121.5/4

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 :263242.4/5

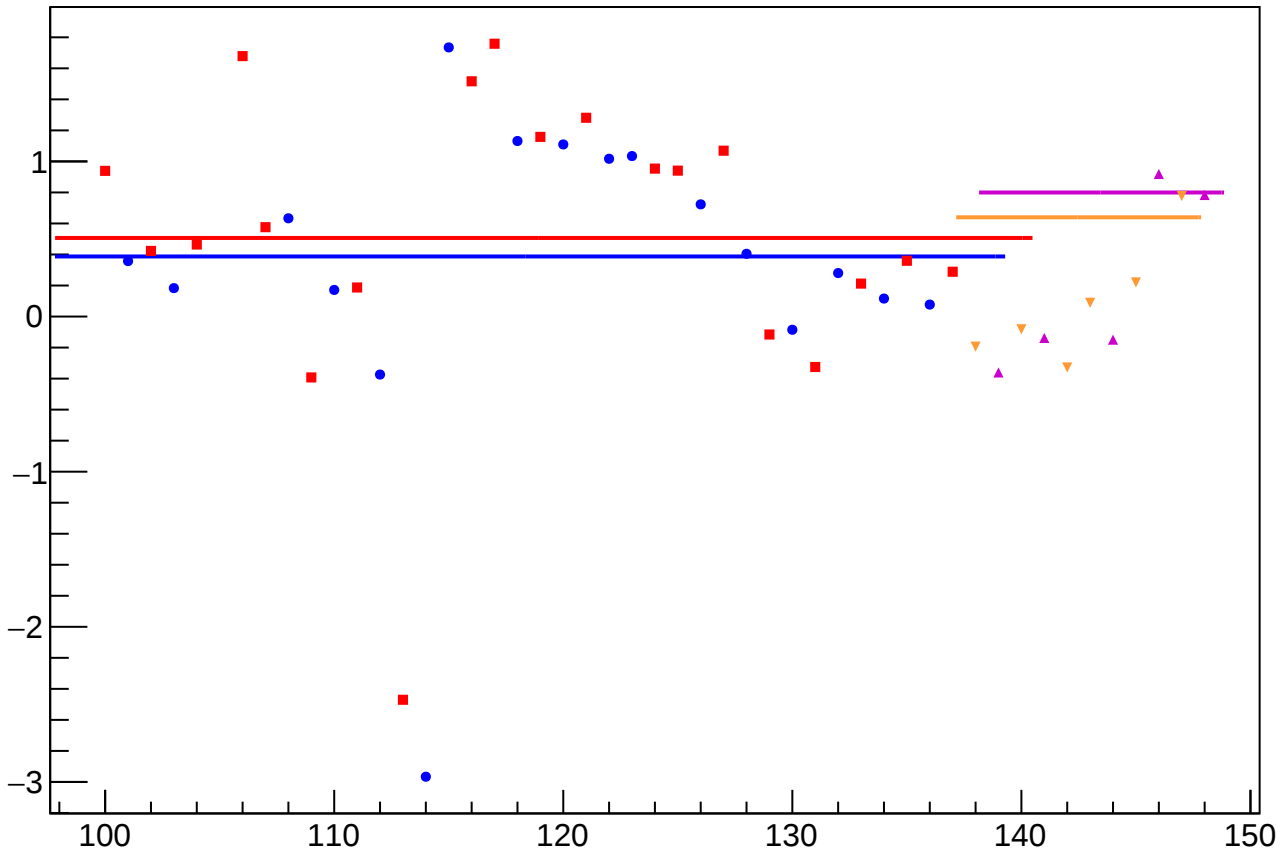
Right Out: 0.013+/-0.000 χ^2/NDF : 1255391.1/19

Left In: 0.012+/-0.000 χ^2/NDF :175568.3/4

0.012+/-0.000 χ^2/NDF : 1571553.1/22

0.012+/-0.000 χ^2/NDF : 1450927.0/24

yield_bpm1X_mean vs Slug



Right In: 0.387 ± 0.000 χ^2/NDF : 247912593.5/16

Left Out: 0.640 ± 0.000 χ^2/NDF : 273341067.8/5

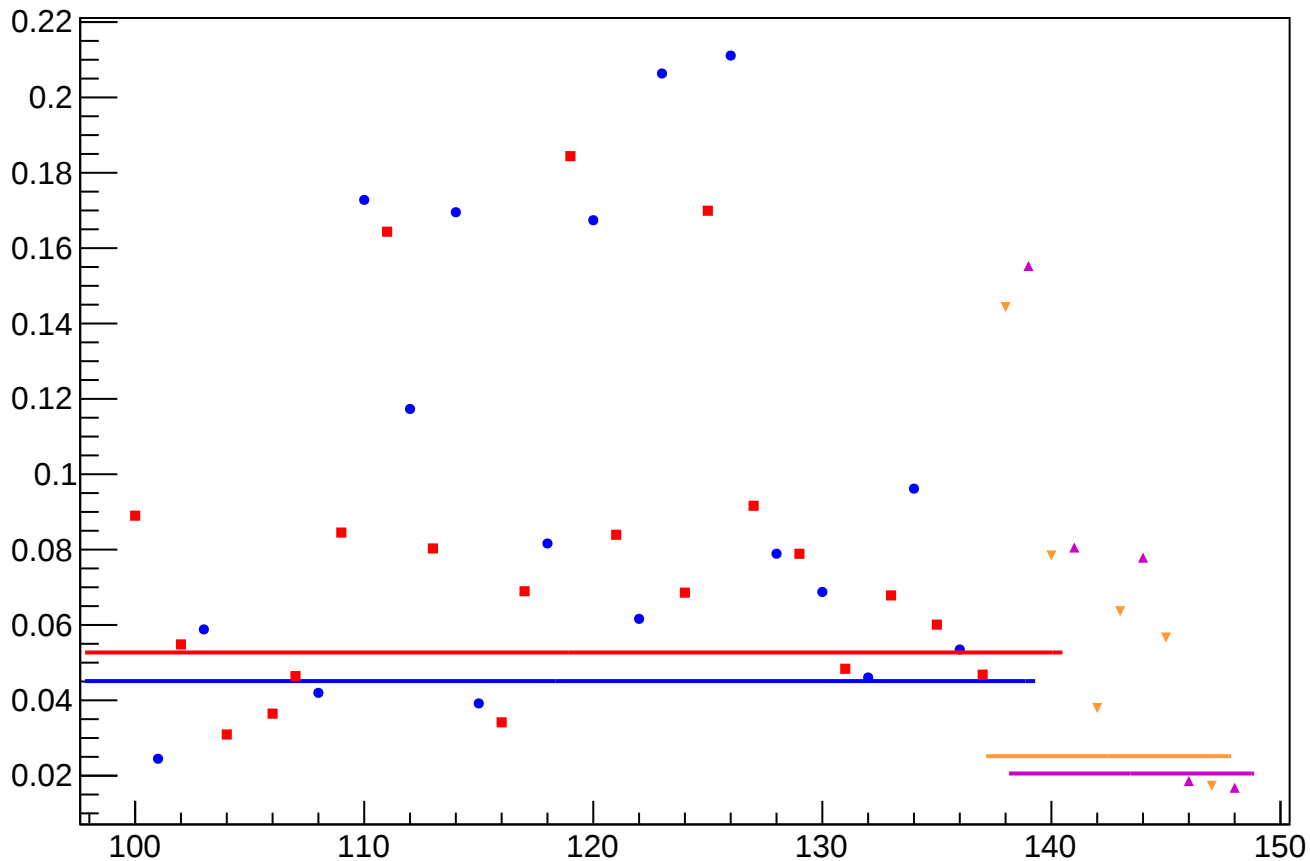
Right Out: 0.507 ± 0.000 χ^2/NDF : 995347030.4/19

Left In: 0.800 ± 0.000 χ^2/NDF : 203512853.3/4

0.542 ± 0.000 χ^2/NDF : 589657967.2/22

0.726 ± 0.000 χ^2/NDF : 1295140748.1/24

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2846218.9/16

Left Out: 0.025+/-0.000 χ^2/NDF :2249631.7/5

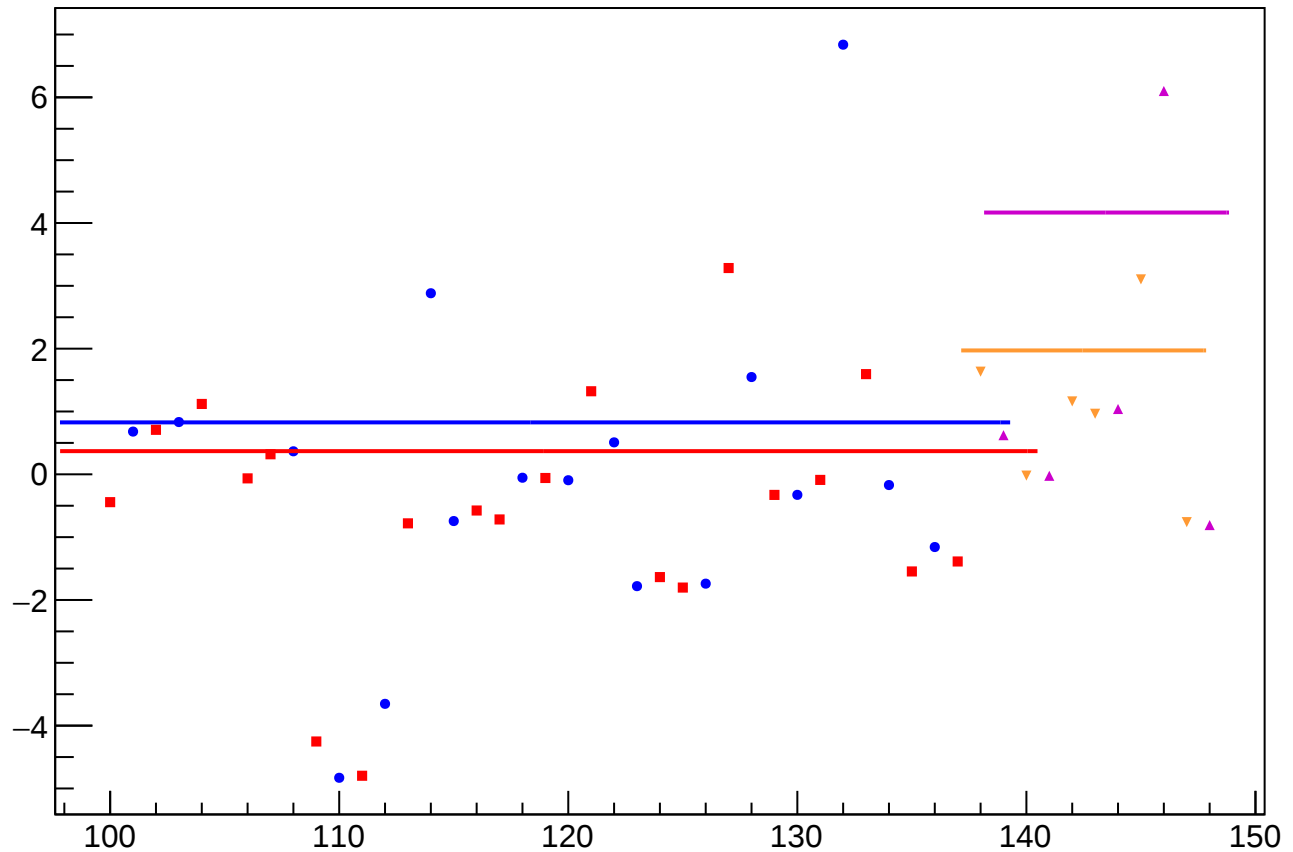
Right Out: 0.053+/-0.000 χ^2/NDF : 2194555.4/19

Left In: 0.021+/-0.000 χ^2/NDF :2083243.6/4

0.033+/-0.000 χ^2/NDF : 5949691.2/22

0.029+/-0.000 χ^2/NDF : 6591559.8/24

yield_bpm1Y_mean vs Slug



Right In: 0.827+/-0.000 χ^2/NDF : 10936458870.4/16

Left Out: 1.972+/-0.000 χ^2/NDF :11276395532.6/5

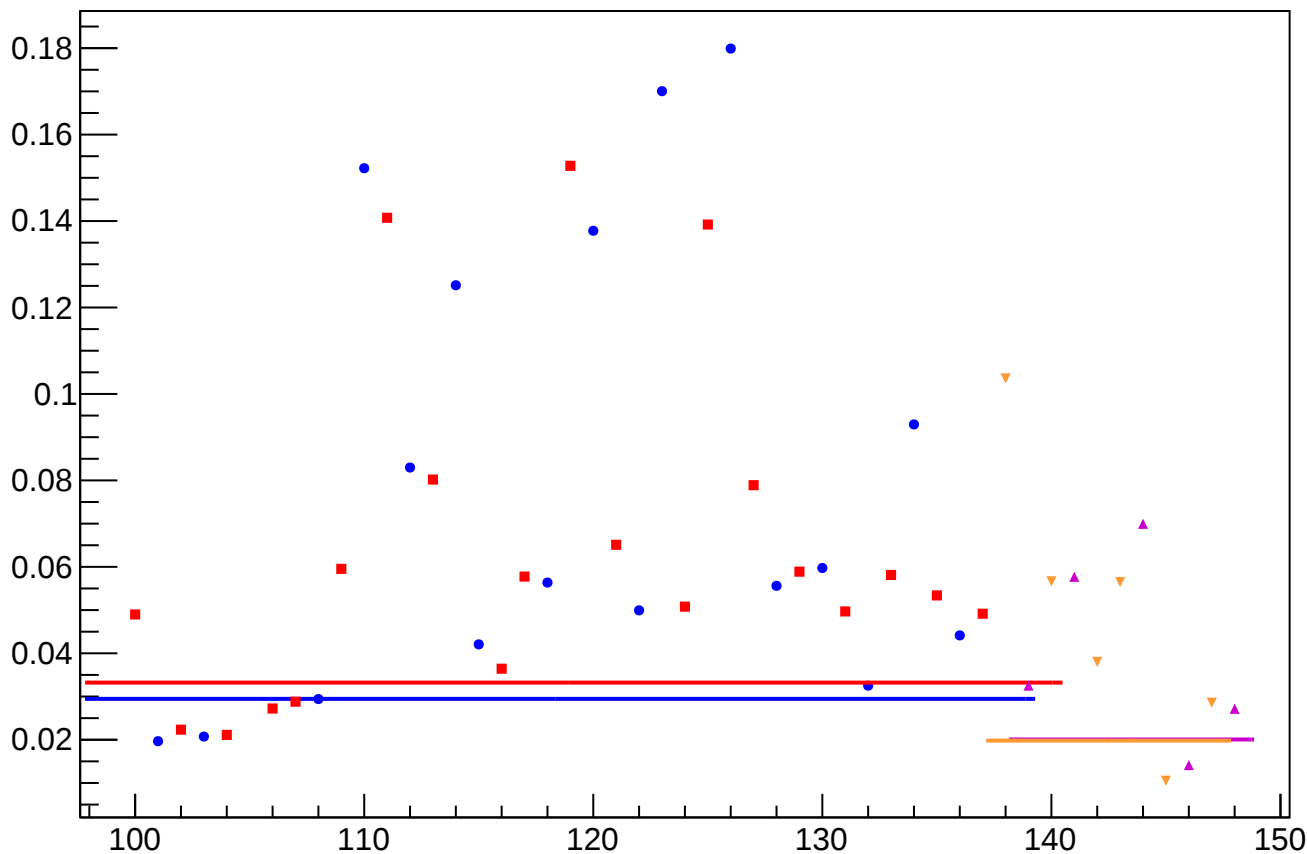
Right Out: 0.369+/-0.000 χ^2/NDF : 4985860510.0/19

Left In: 4.166+/-0.000 χ^2/NDF :44181398674.1/4

1.414+/-0.000 χ^2/NDF : 24858604520.9/22

2.585+/-0.000 χ^2/NDF : 78703996742.1/24

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.020+/-0.000 χ^2/NDF :2243915.3/5

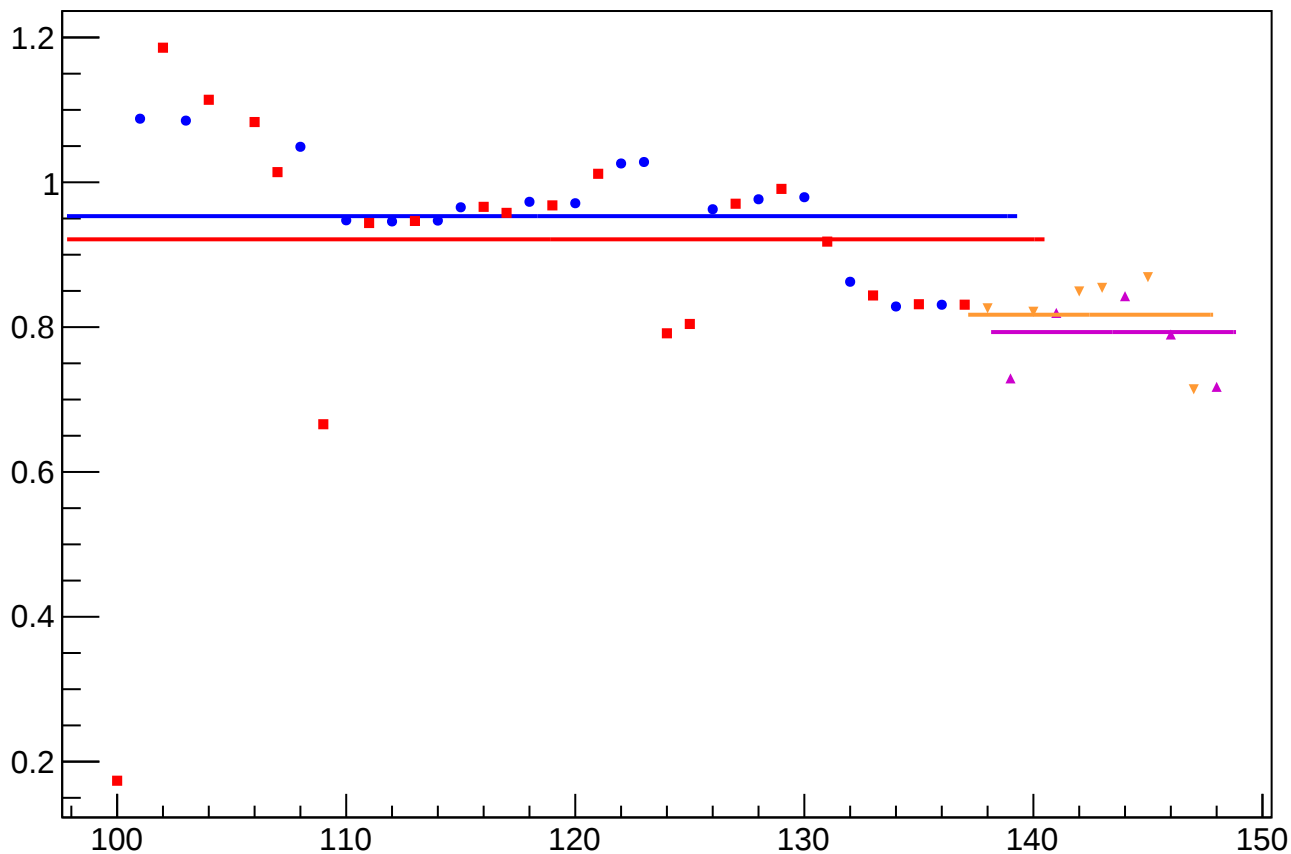
Right Out: 0.033+/-0.000 χ^2/NDF : 3110014.7/19

Left In: 0.020+/-0.000 χ^2/NDF :1360730.6/4

0.025+/-0.000 χ^2/NDF : 5673046.8/22

0.026+/-0.000 χ^2/NDF : 5180219.0/24

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175396553.4/16

Left Out: 0.817 $\pm$ 0.000 χ^2 /NDF: 70581787.3/5

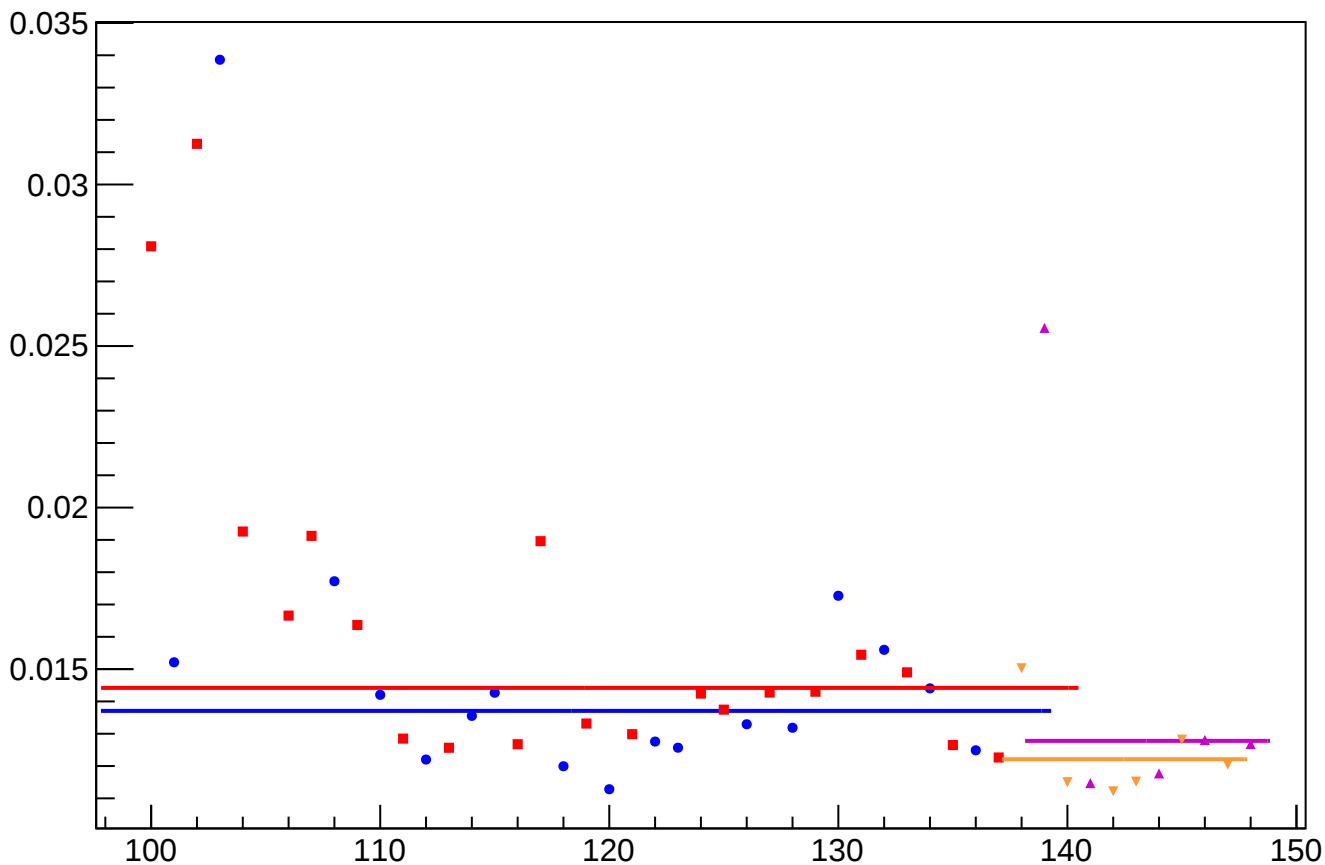
Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374376205.4/19

Left In: 0.793 $\pm$ 0.000 χ^2 /NDF: 46883328.0/4

0.895 $\pm$ 0.000 χ^2 /NDF: 490210767.6/22

0.868 $\pm$ 0.000 χ^2 /NDF: 621046526.3/24

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 546317.6/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:58630.5/5

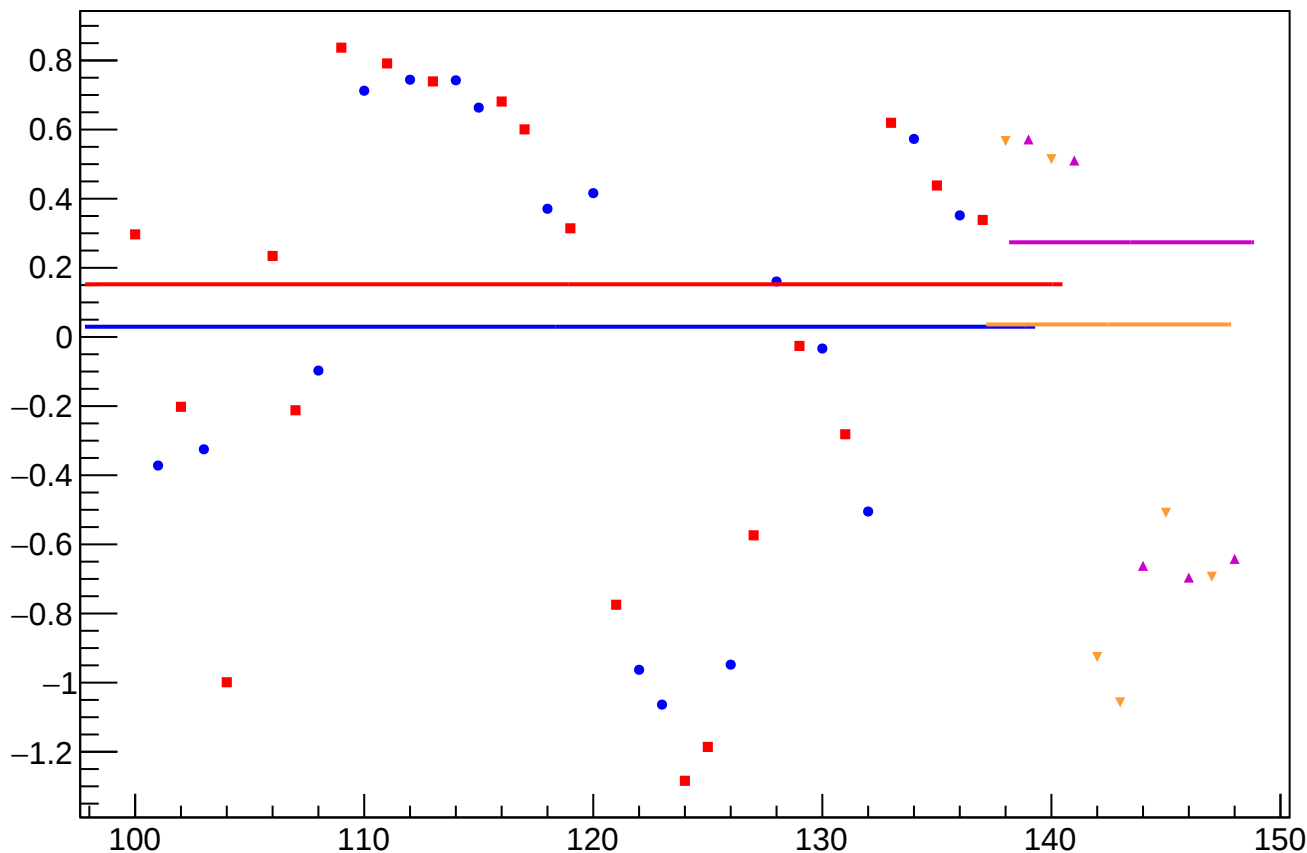
Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 506553.4/19

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:358330.3/4

0.013 $\pm$ 0.000 χ^2 /NDF: 663912.0/22

0.014 $\pm$ 0.000 χ^2 /NDF: 930444.8/24

yield_bpm11Y_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 6294824795.0/16

Left Out: 0.036+/-0.000 χ^2/NDF :15027296500.1/5

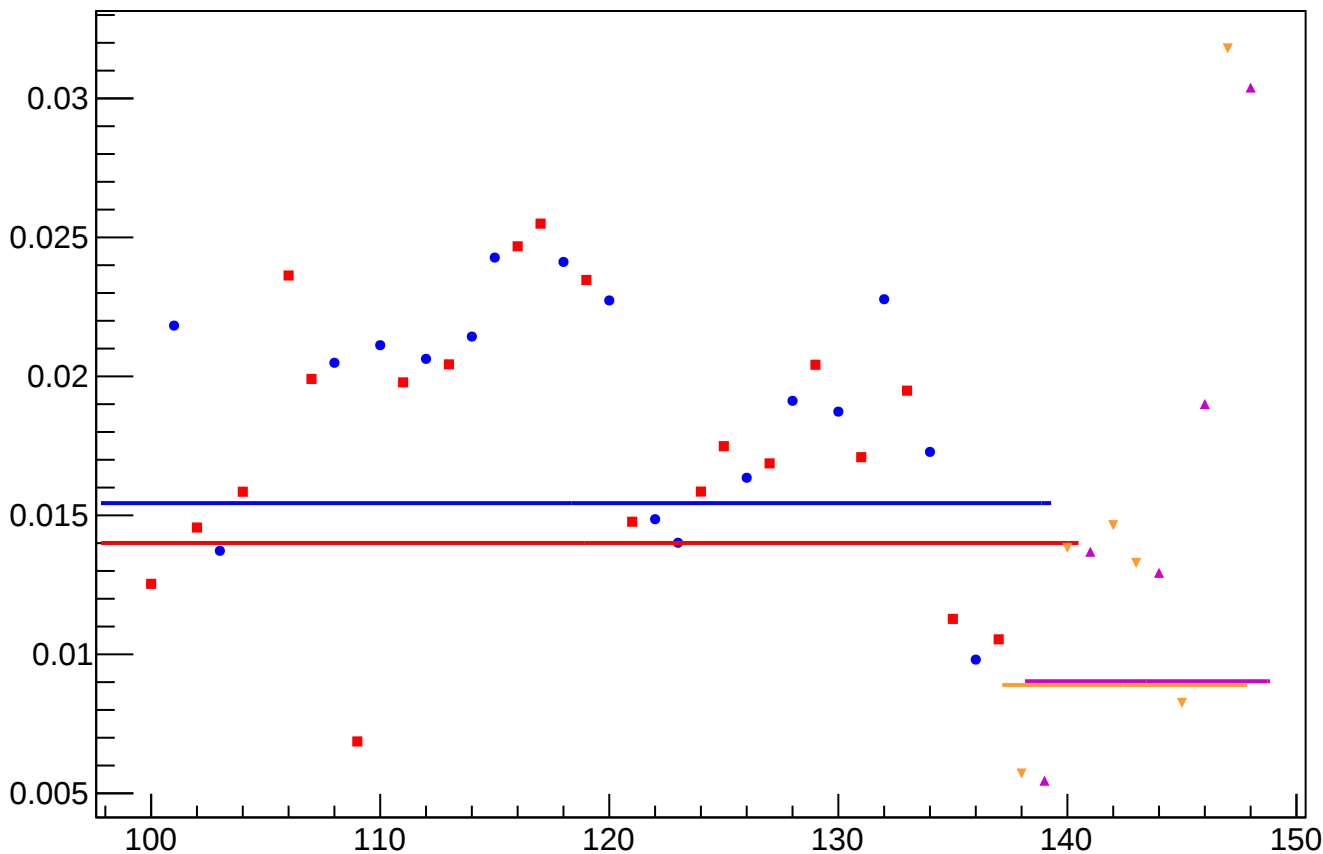
Right Out: 0.152+/-0.000 χ^2/NDF : 12673501089.9/19

Left In: 0.274+/-0.000 χ^2/NDF :9001987891.3/4

0.034+/-0.000 χ^2/NDF : 21322746486.2/22

0.218+/-0.000 χ^2/NDF : 21902367518.9/24

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.009+/-0.000 χ^2/NDF :1605394.6/5

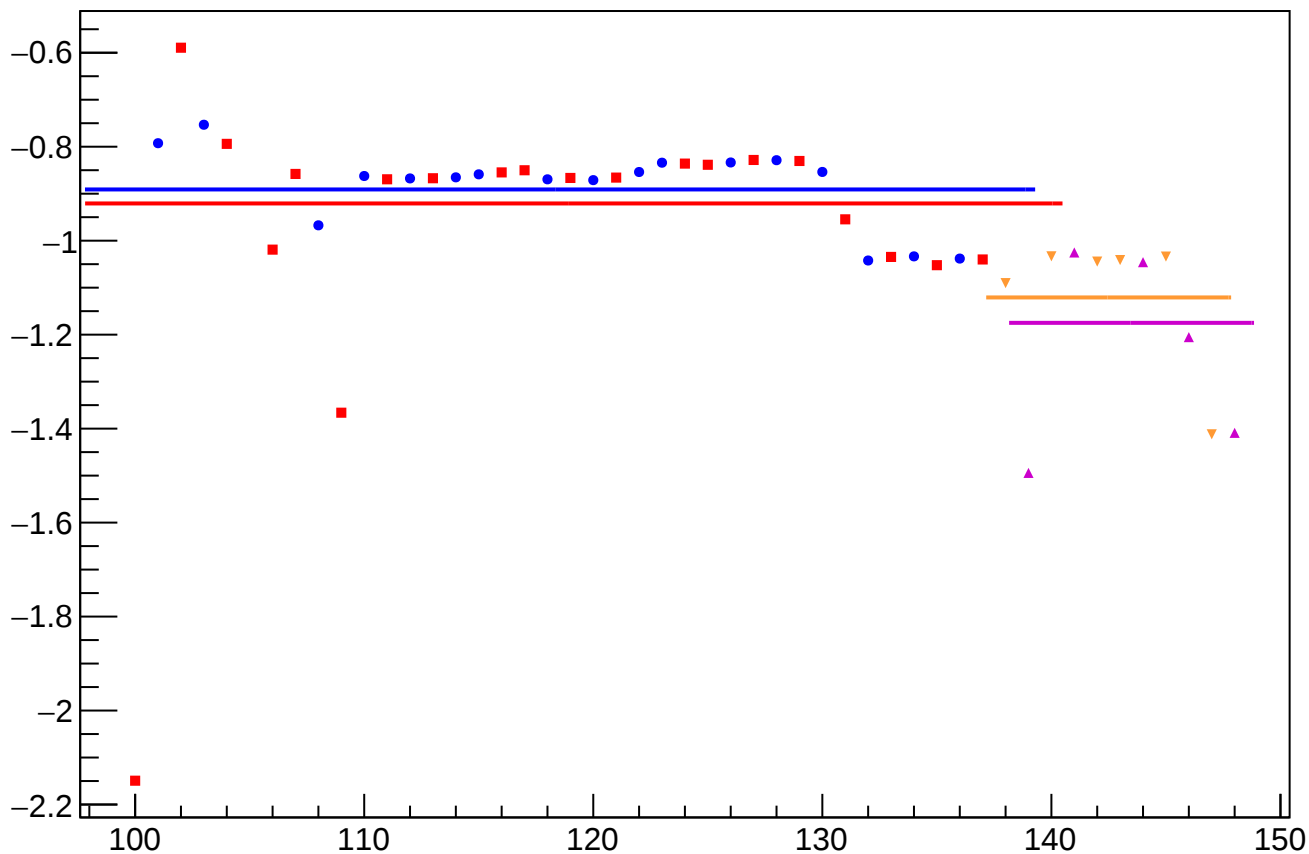
Right Out: 0.014+/-0.000 χ^2/NDF : 1576149.9/19

Left In: 0.009+/-0.000 χ^2/NDF :2016245.1/4

0.011+/-0.000 χ^2/NDF : 4005512.3/22

0.011+/-0.000 χ^2/NDF : 4353523.1/24

yield_bpm12X_mean vs Slug



Right In: -0.891+/-0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.121+/-0.000 χ^2/NDF : 79142980.6/5

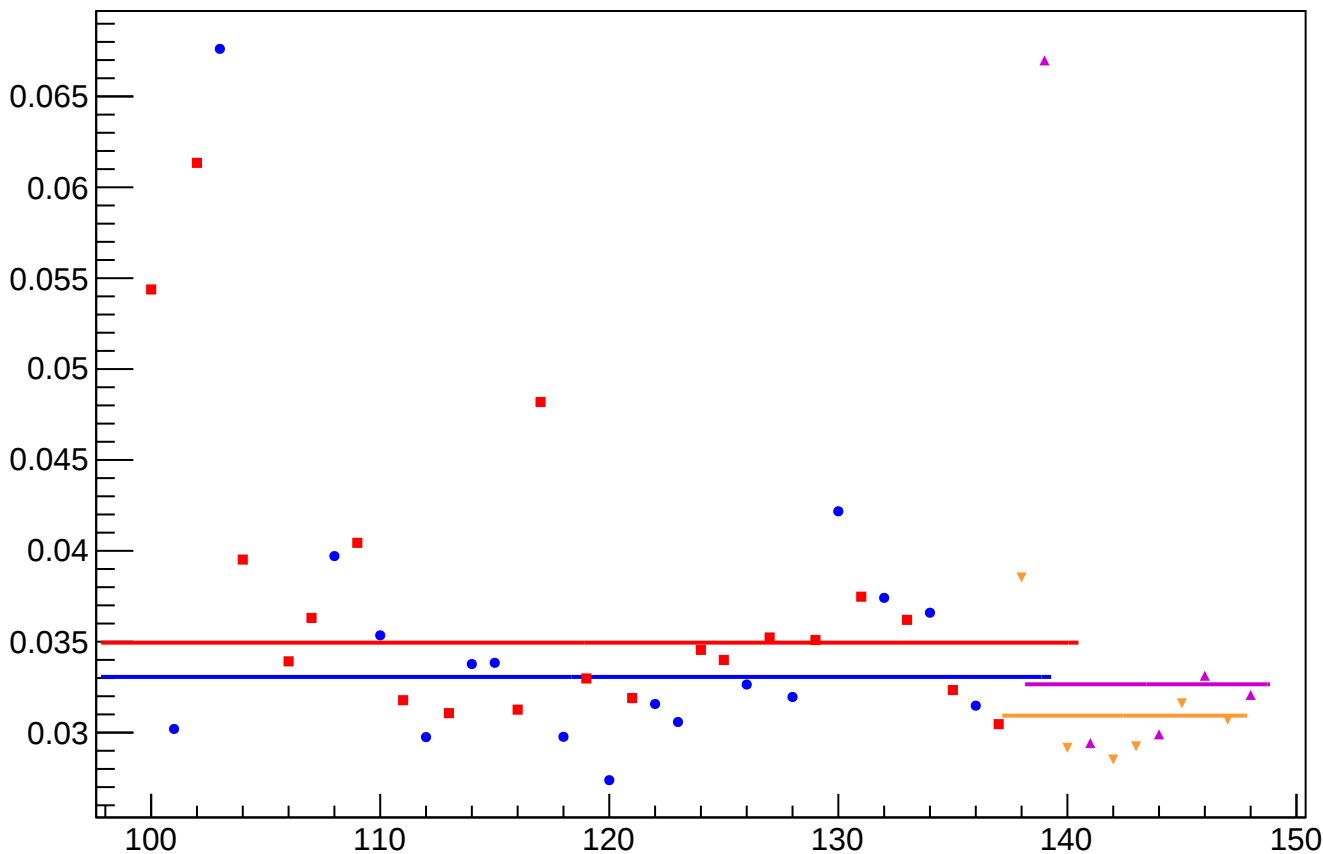
Right Out: -0.921+/-0.000 χ^2/NDF : 131271770.4/19

Left In: -1.175+/-0.000 χ^2/NDF : 85871417.0/4

-0.982+/-0.000 χ^2/NDF : 231403566.3/22

-1.018+/-0.000 χ^2/NDF : 343008313.1/24

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 409286.7/16

Left Out: 0.031+/-0.000 χ^2/NDF :59906.3/5

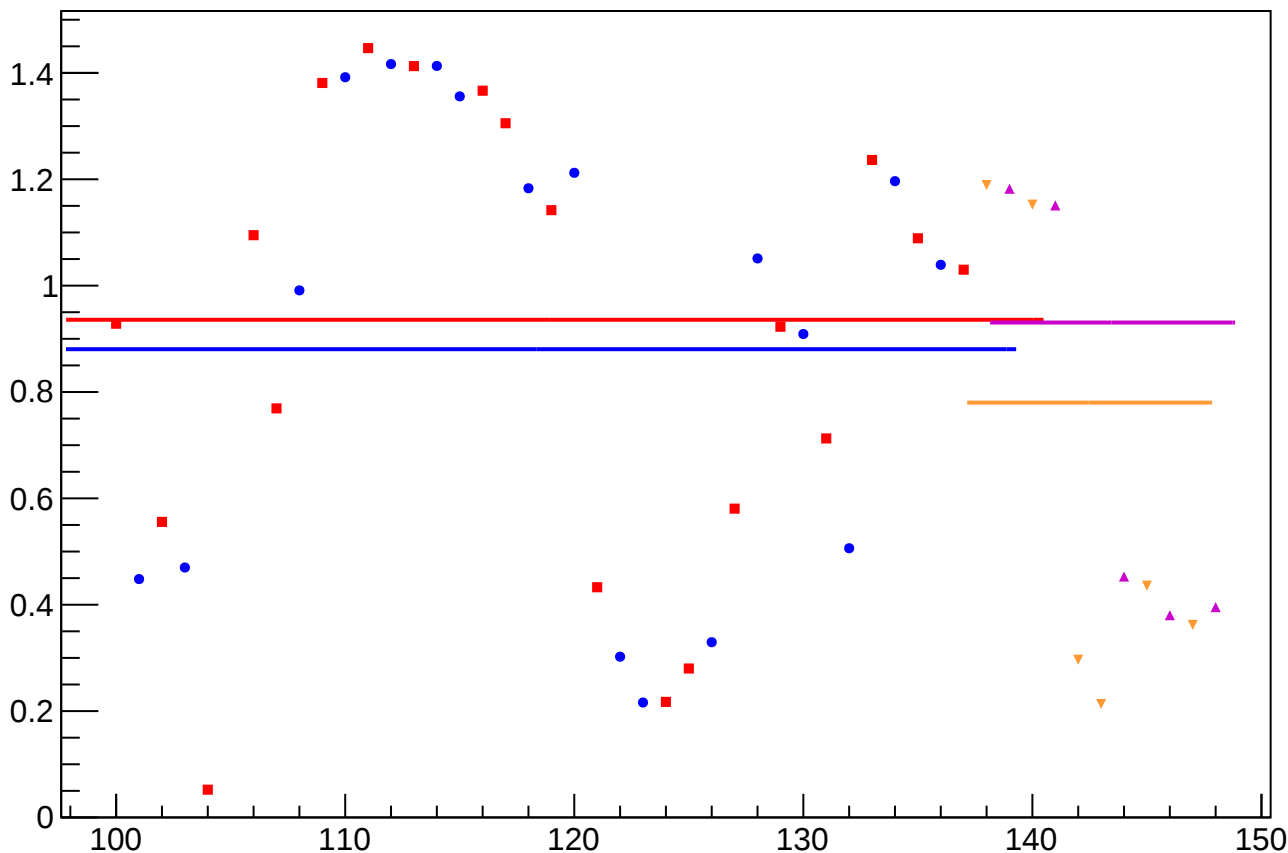
Right Out: 0.035+/-0.000 χ^2/NDF : 280500.4/19

Left In: 0.033+/-0.000 χ^2/NDF :375516.0/4

0.032+/-0.000 χ^2/NDF : 488554.9/22

0.034+/-0.000 χ^2/NDF : 676487.0/24

yield_bpm12Y_mean vs Slug



Right In: 0.880 $\pm$ 0.000 χ^2 /NDF: 6400108121.4/16

Left Out: 0.780 $\pm$ 0.000 χ^2 /NDF:10836319696.4/5

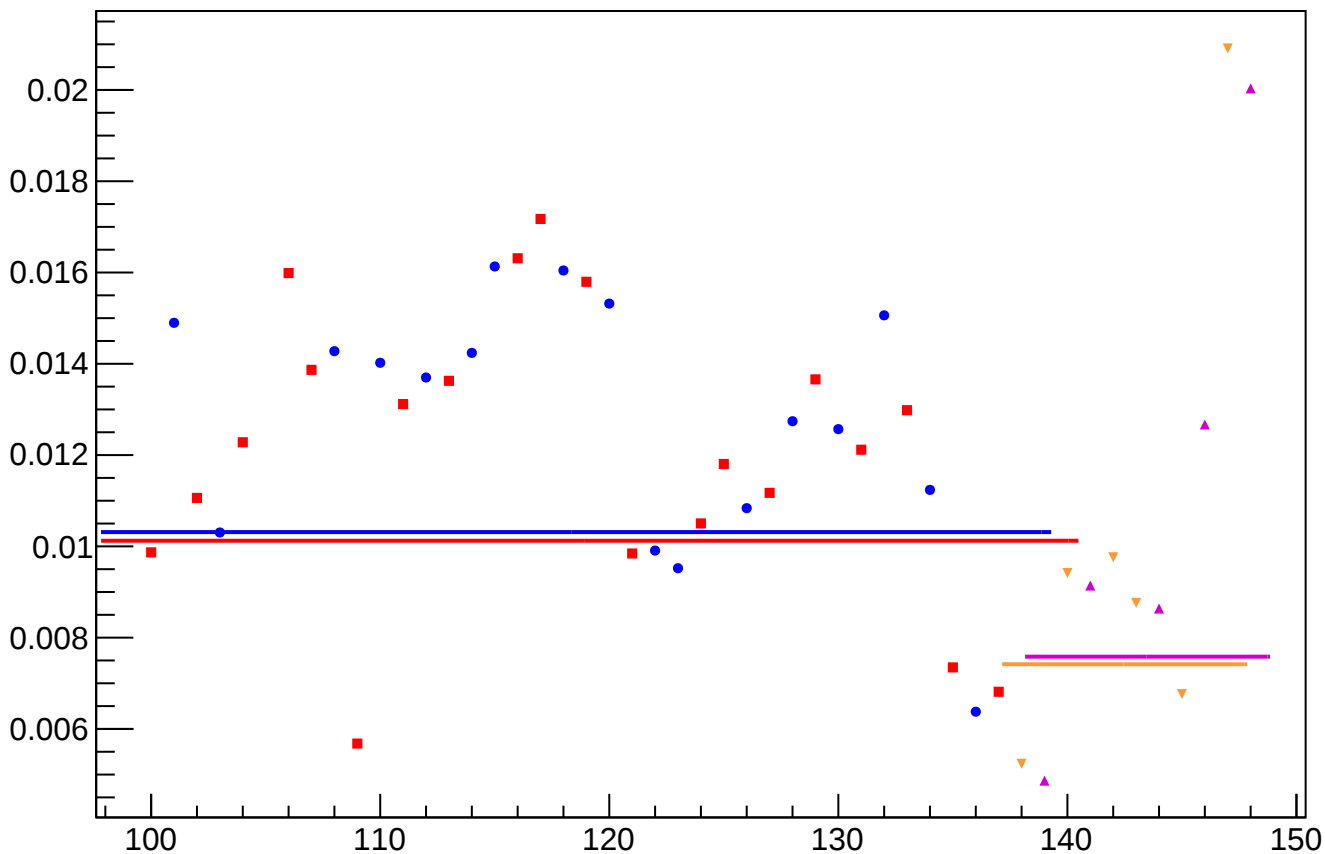
Right Out: 0.936 $\pm$ 0.000 χ^2 /NDF: 9851303698.9/19

Left In: 0.931 $\pm$ 0.000 χ^2 /NDF:6585534460.5/4

0.826 $\pm$ 0.000 χ^2 /NDF: 17522494575.7/22

0.933 $\pm$ 0.000 χ^2 /NDF: 16437600280.5/24

yield_bpm12Y_rms vs Slug



Right In: 0.010 ± 0.000 χ^2/NDF : 1231066.2/16

Left Out: 0.007 ± 0.000 χ^2/NDF : 1011691.3/5

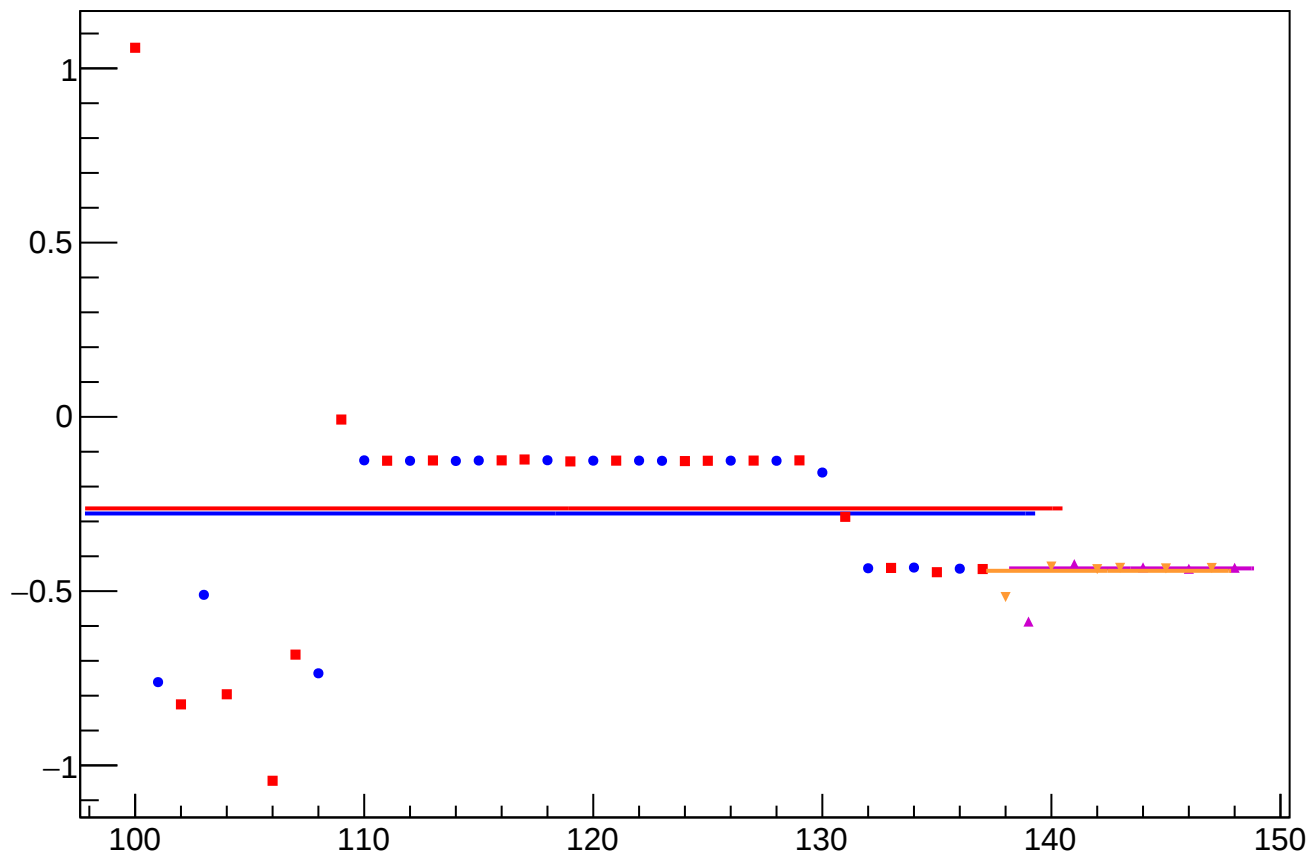
Right Out: 0.010 ± 0.000 χ^2/NDF : 1191429.9/19

Left In: 0.008 ± 0.000 χ^2/NDF : 1282342.3/4

0.009 ± 0.000 χ^2/NDF : 2718441.1/22

0.009 ± 0.000 χ^2/NDF : 2831184.4/24

yield_bpm16X_mean vs Slug



Right In: -0.277 ± 0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.442 ± 0.000 χ^2/NDF : 23008153.4/5

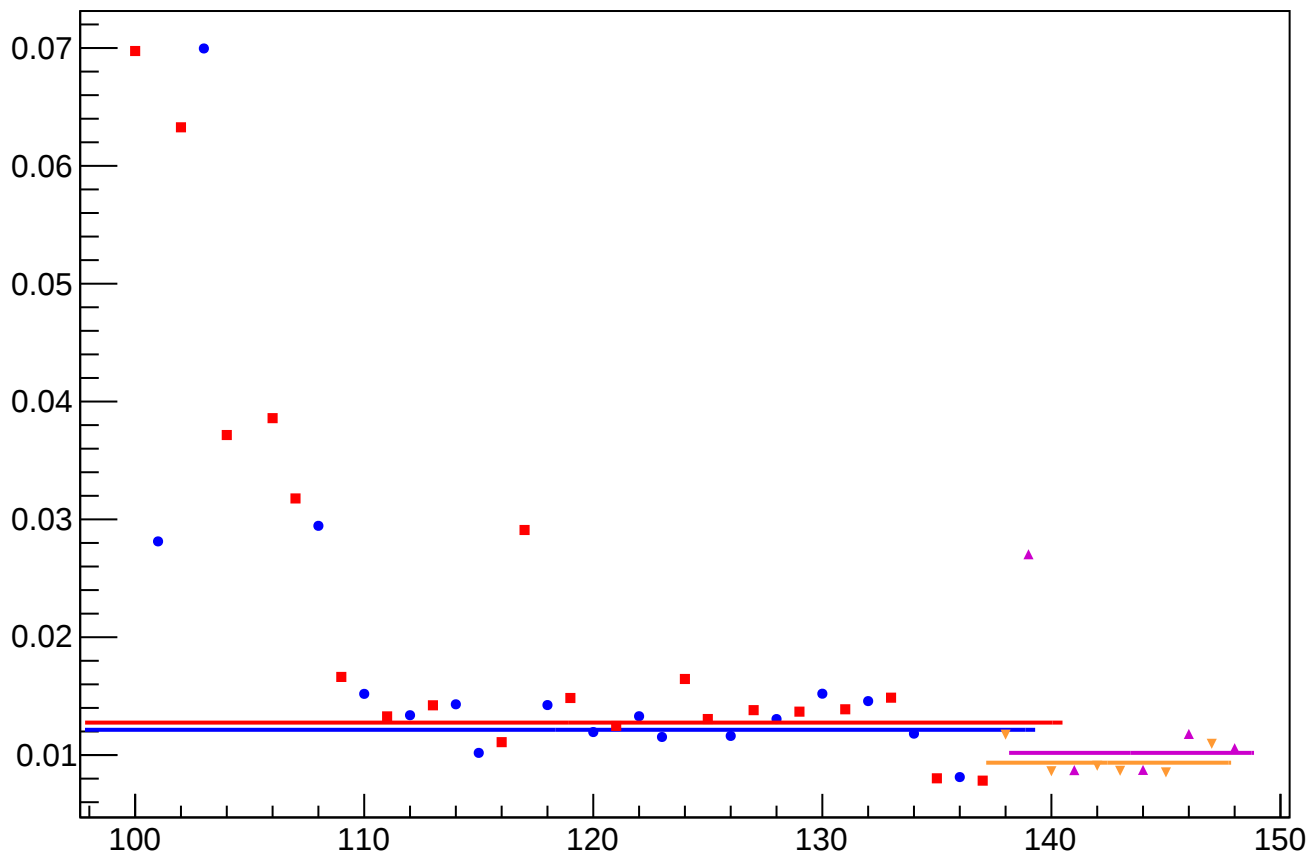
Right Out: -0.263 ± 0.000 χ^2/NDF : 1009303829.9/19

Left In: -0.435 ± 0.000 χ^2/NDF : 22553107.7/4

-0.364 ± 0.000 χ^2/NDF : 1419818706.7/22

-0.347 ± 0.000 χ^2/NDF : 1466846586.9/24

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1727494.7/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:95694.9/5

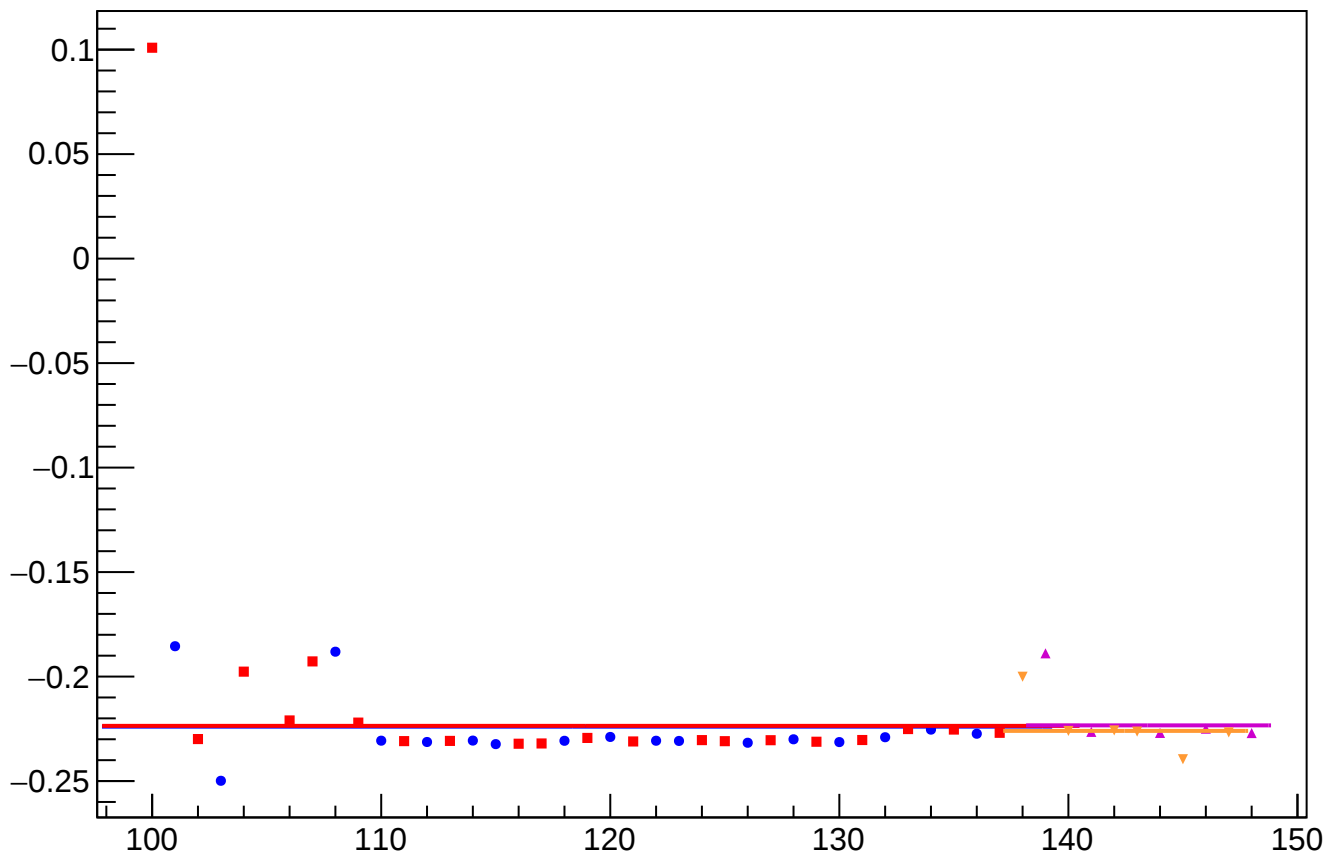
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1993726.2/19

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:615127.8/4

0.011 $\pm$ 0.000 χ^2 /NDF: 2085829.0/22

0.011 $\pm$ 0.000 χ^2 /NDF: 2802519.9/24

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 : 20477278.7/5

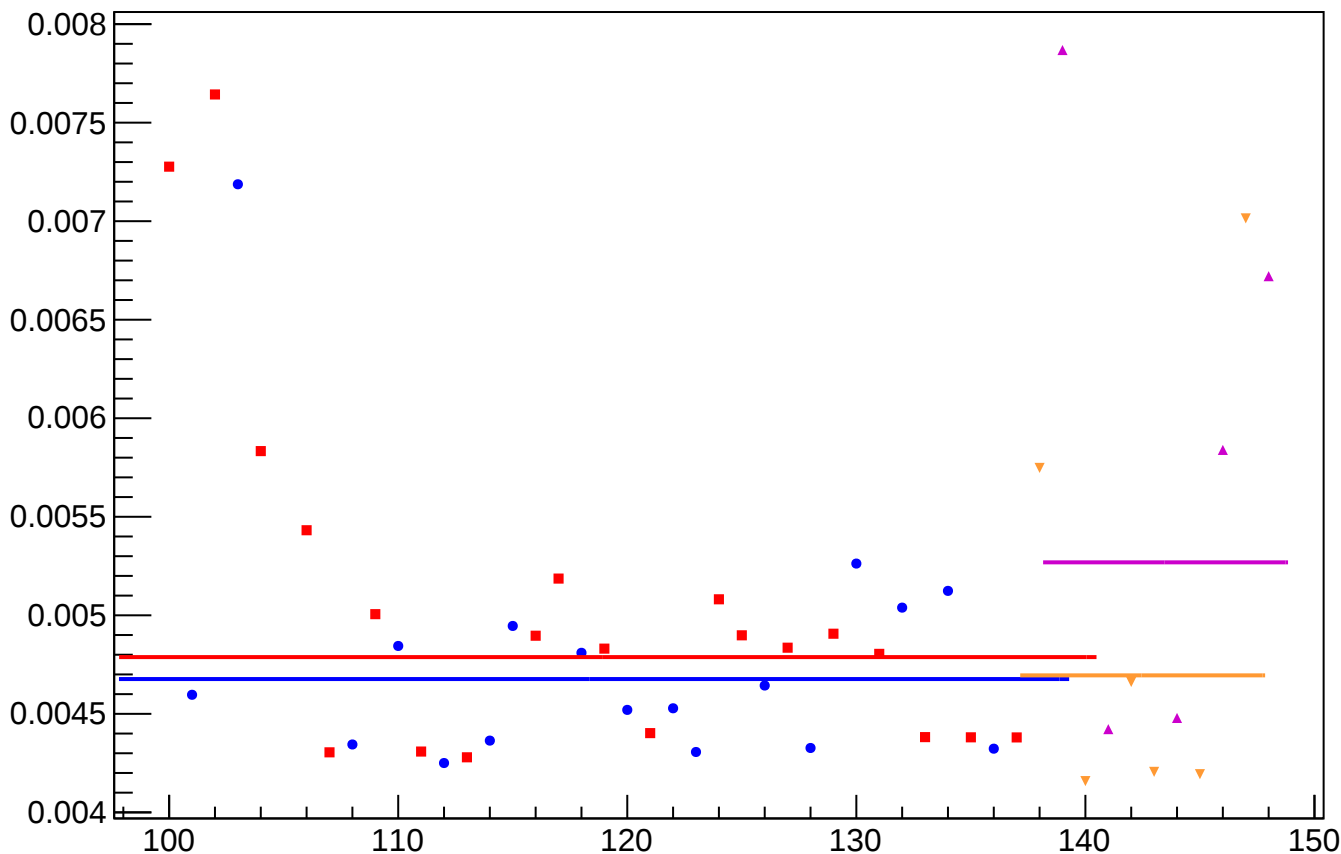
Right Out: -0.224 ± 0.000 χ^2/NDF : 168231258.4/19

Left In: -0.223 ± 0.000 χ^2/NDF : 13499904.7/4

-0.225 ± 0.000 χ^2/NDF : 95615571.6/22

-0.224 ± 0.000 χ^2/NDF : 181735993.4/24

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 : 271409.6/5

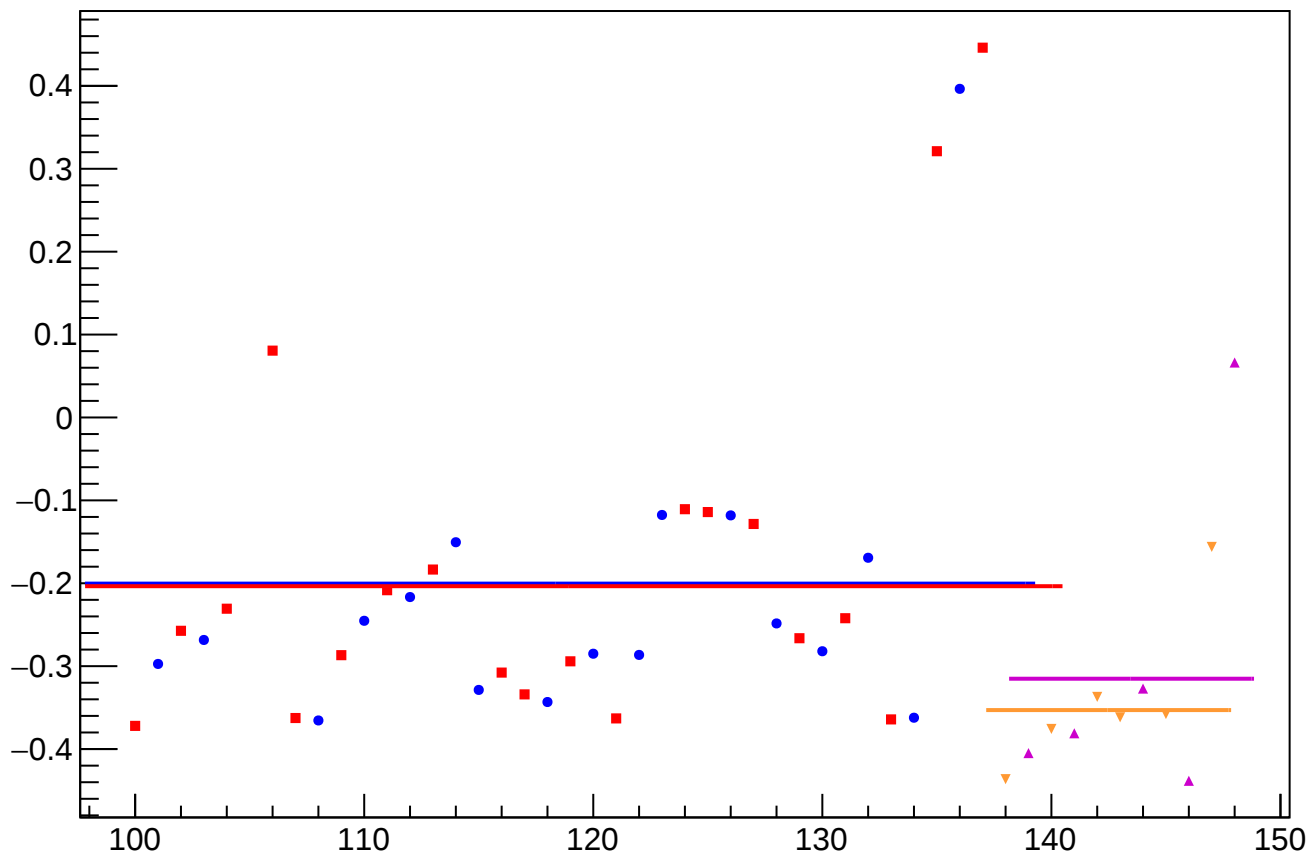
Right Out: 0.005+/-0.000 χ^2/NDF : 248668.3/19

Left In: 0.005+/-0.000 χ^2/NDF : 330319.5/4

0.005+/-0.000 χ^2/NDF : 452817.2/22

0.005+/-0.000 χ^2/NDF : 619342.4/24

yield_bpm0i02X_mean vs Slug



Right In: -0.200 ± 0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.353 ± 0.000 χ^2/NDF : 854484124.0/5

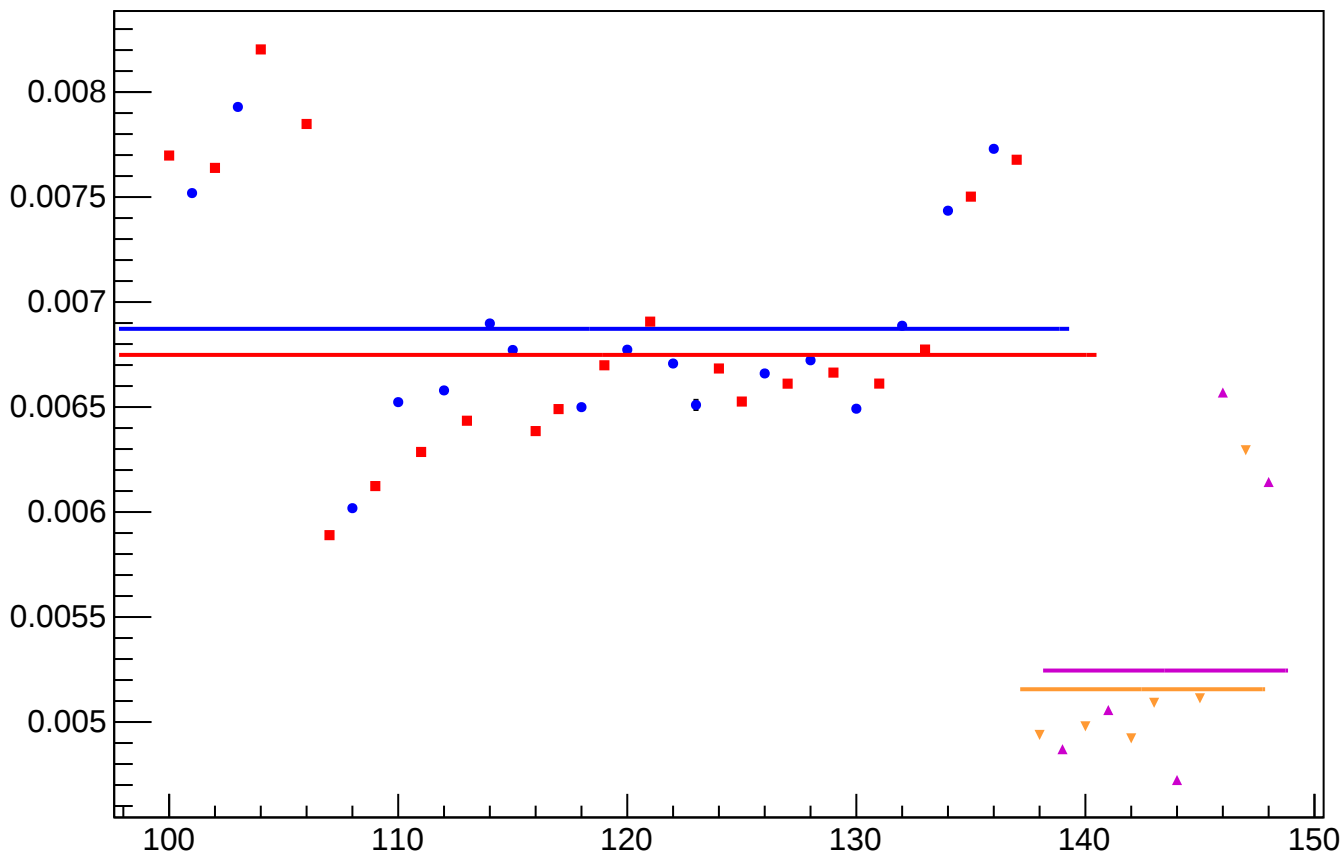
Right Out: -0.204 ± 0.000 χ^2/NDF : 5045878528.0/19

Left In: -0.315 ± 0.000 χ^2/NDF : 3198074239.6/4

-0.278 ± 0.000 χ^2/NDF : 8472402347.8/22

-0.255 ± 0.000 χ^2/NDF : 9111763136.5/24

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 : 48962.6/5

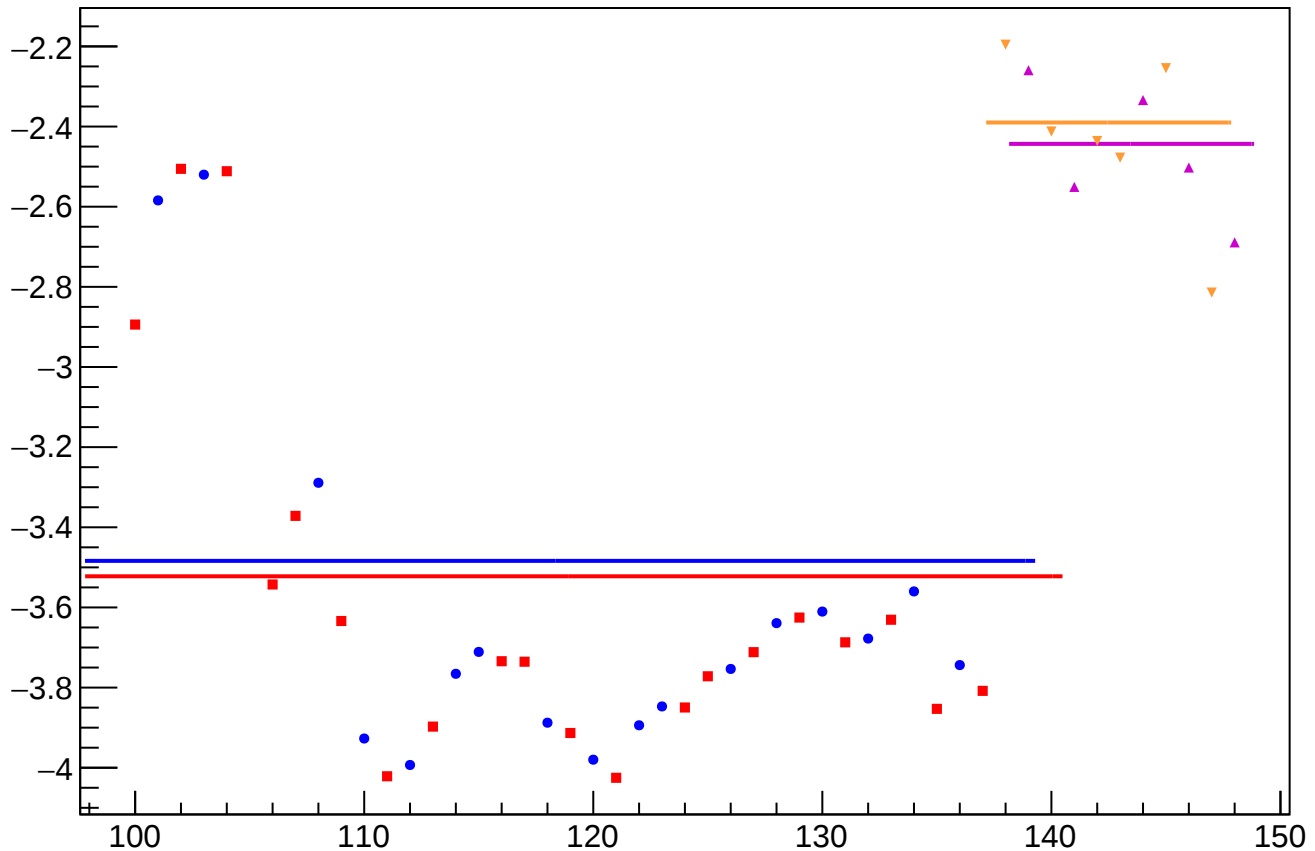
Right Out: 0.007+/-0.000 χ^2/NDF : 105262.1/19

Left In: 0.005+/-0.000 χ^2/NDF : 109819.8/4

0.006+/-0.000 χ^2/NDF : 543923.1/22

0.006+/-0.000 χ^2/NDF : 529909.1/24

yield_bpm0i02Y_mean vs Slug



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.390+/-0.000 χ^2/NDF : 1090082328.7/5

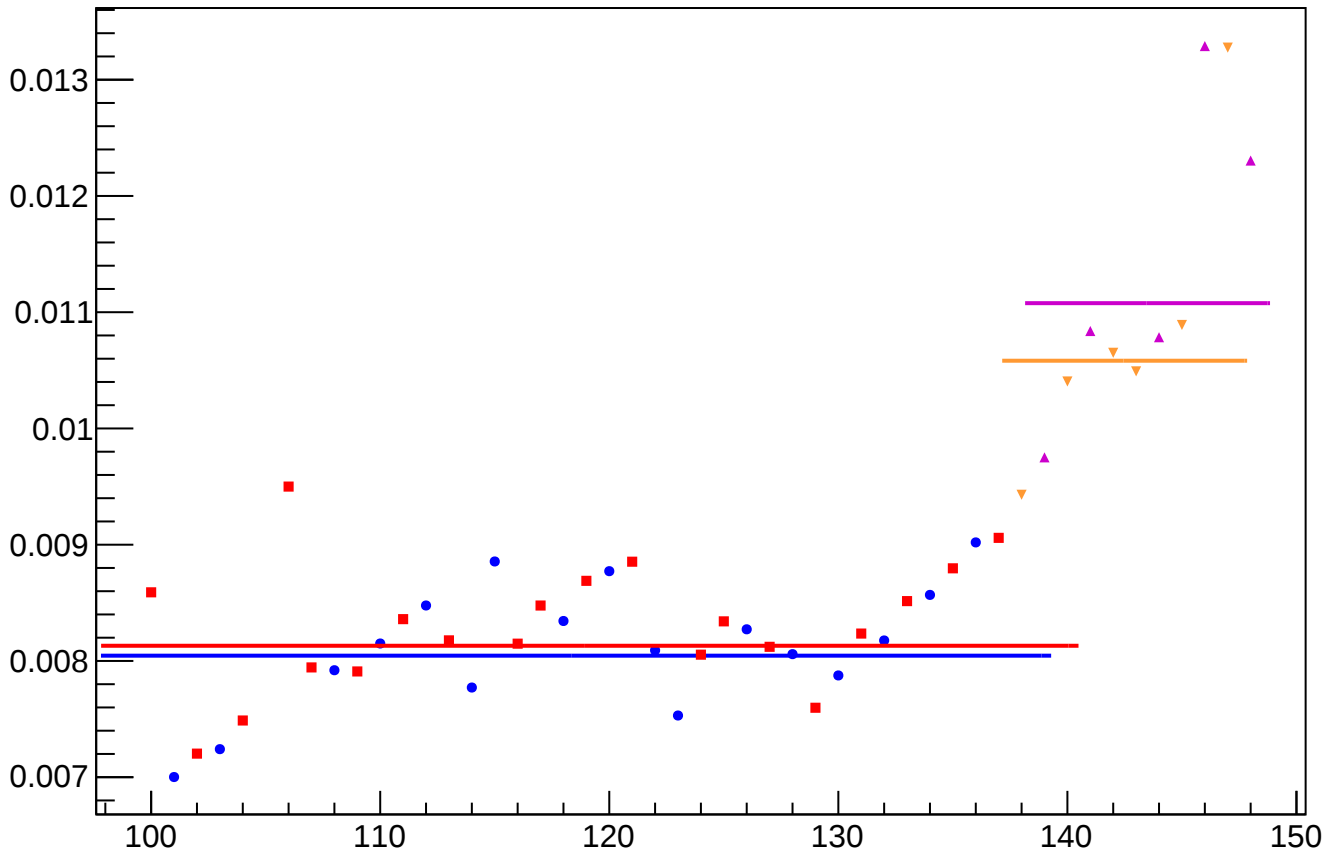
-3.207+/-0.000 χ^2/NDF : 58705250465.8/22

Right Out: -3.522+/-0.000 χ^2/NDF : 26497611752.4/19

-3.284+/-0.000 χ^2/NDF : 53708177732.9/24

Left In: -2.443+/-0.000 χ^2/NDF : 690829978.8/4

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 71989.8/16

Left Out: 0.011+/-0.000 χ^2/NDF : 73655.1/5

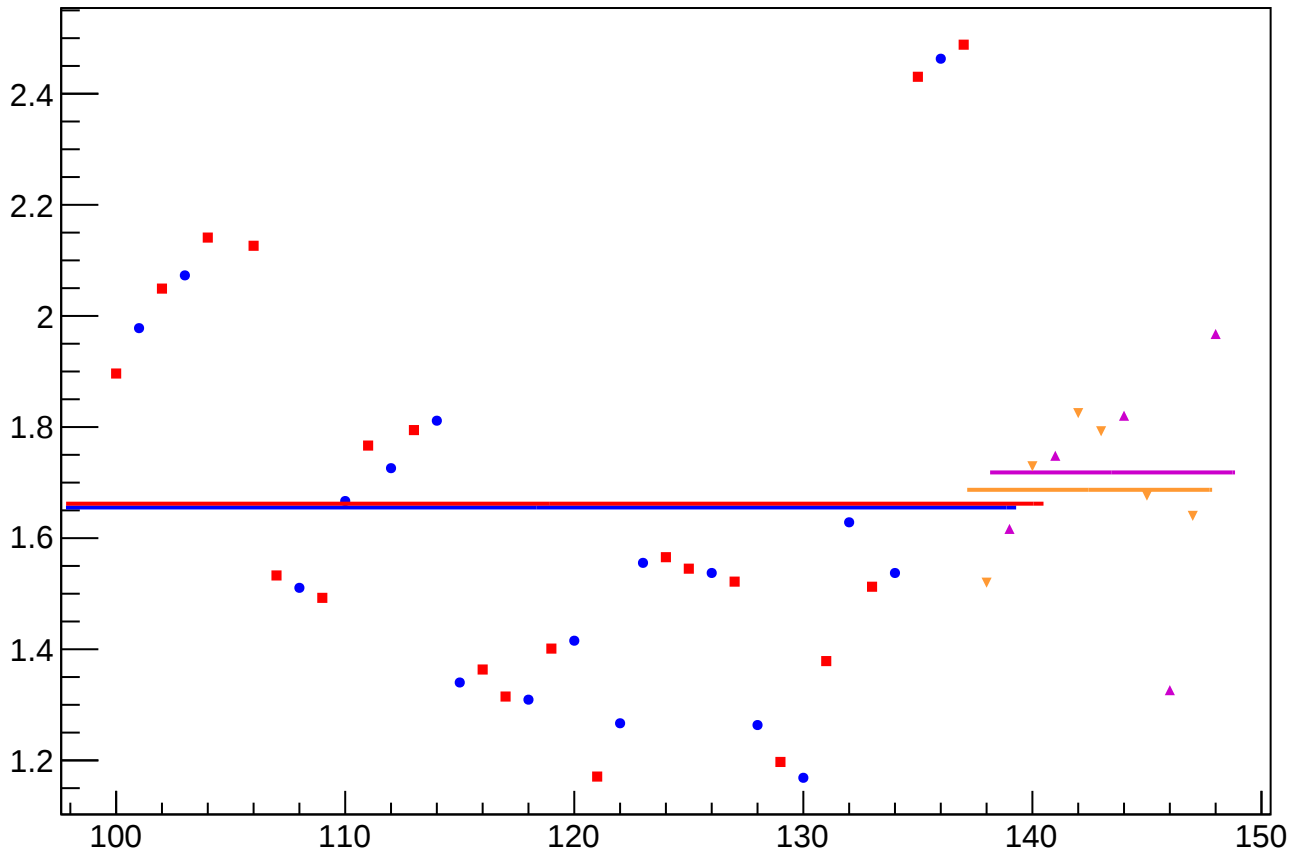
Right Out: 0.008+/-0.000 χ^2/NDF : 57613.2/19

Left In: 0.011+/-0.000 χ^2/NDF : 74316.4/4

0.009+/-0.000 χ^2/NDF : 473205.0/22

0.009+/-0.000 χ^2/NDF : 527576.9/24

yield_bpm0i02aX_mean vs Slug



Right In: 1.655+/-0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.687+/-0.000 χ^2/NDF : 317292338.2/5

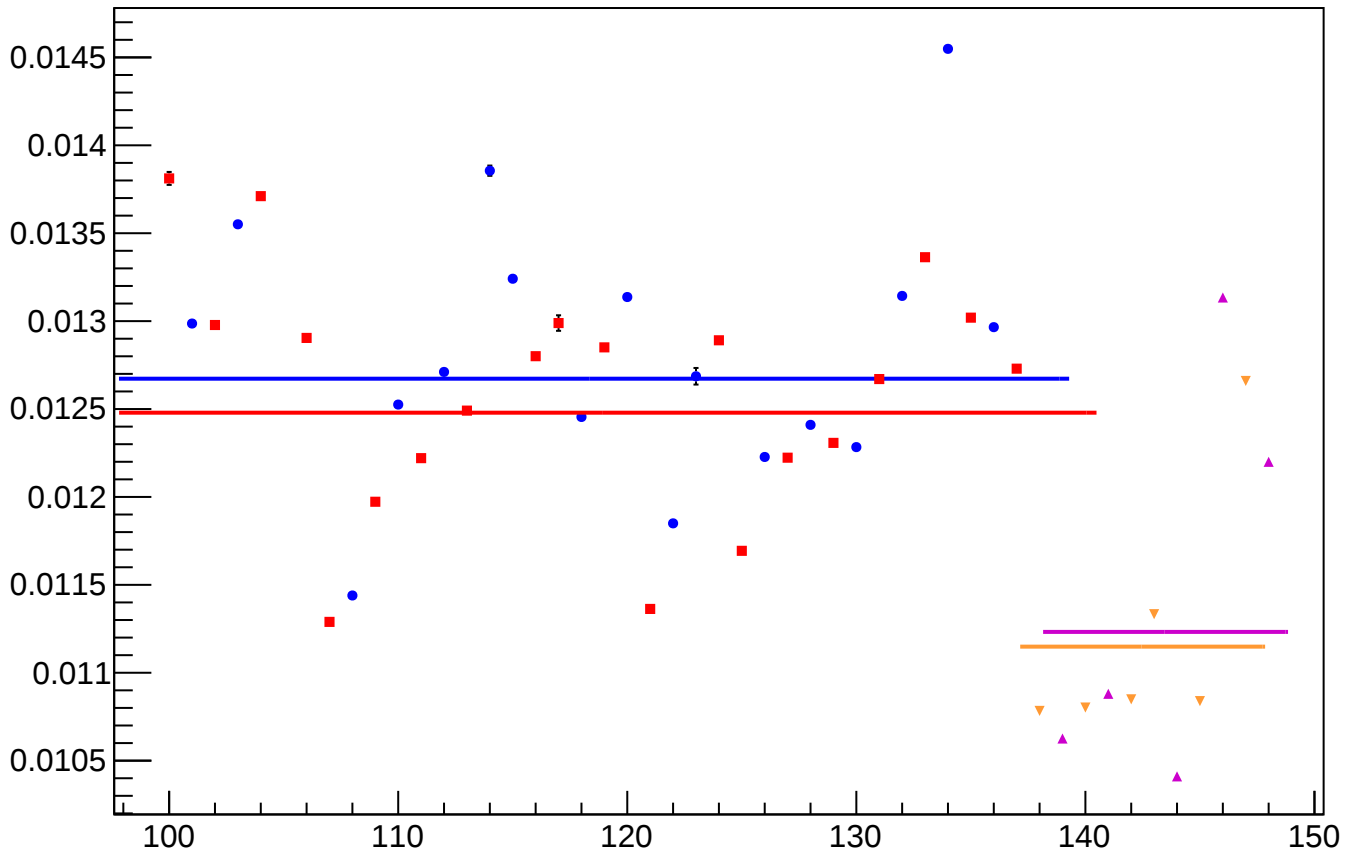
1.669+/-0.000 χ^2/NDF : 6811858068.5/22

Right Out: 1.662+/-0.000 χ^2/NDF : 5975345573.0/19

1.684+/-0.000 χ^2/NDF : 7098533129.2/24

Left In: 1.718+/-0.000 χ^2/NDF : 1067155096.5/4

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 :25362.6/5

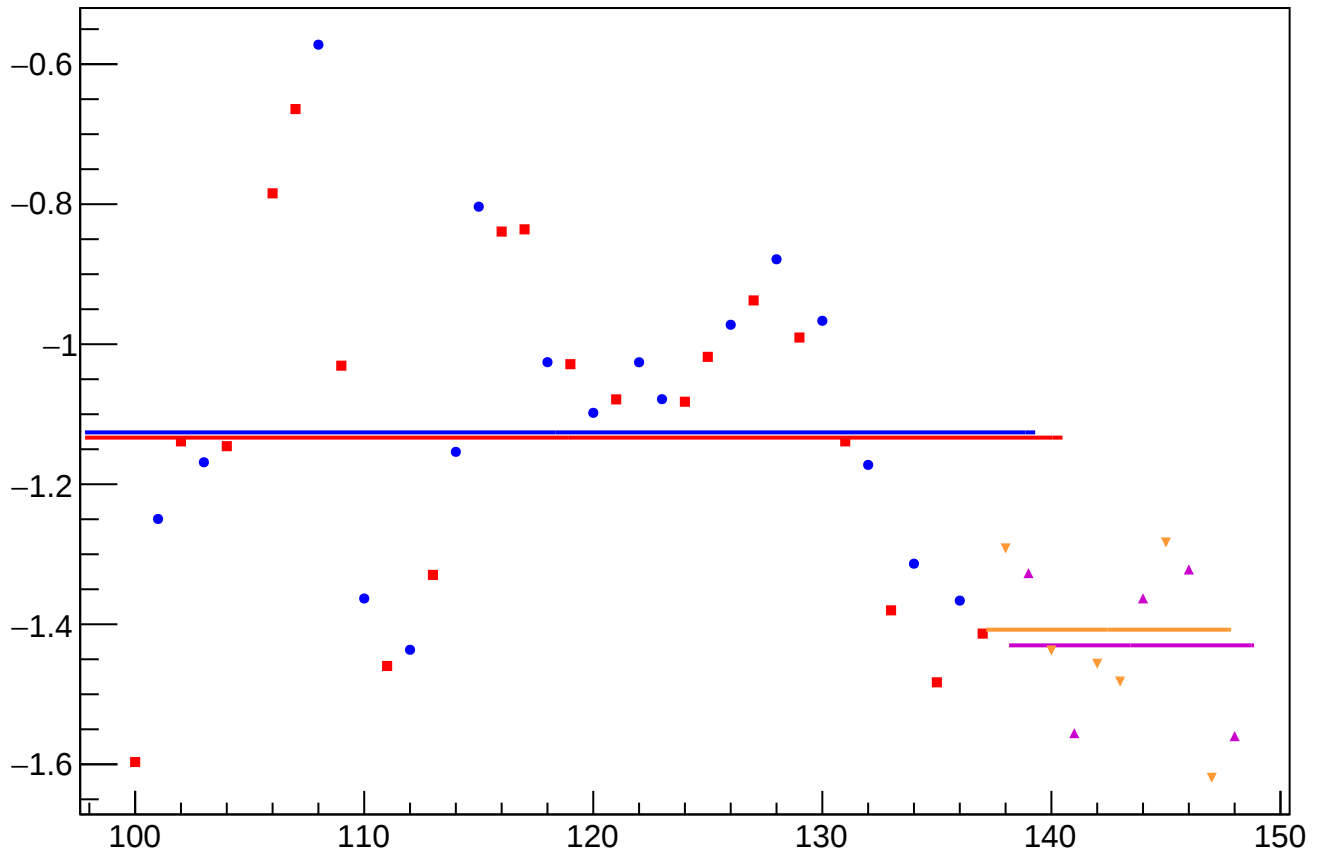
Right Out: 0.012+/-0.000 χ^2/NDF : 39268.9/19

Left In: 0.011+/-0.000 χ^2/NDF :54669.7/4

0.012+/-0.000 χ^2/NDF : 140331.5/22

0.012+/-0.000 χ^2/NDF : 149024.6/24

yield_bpm0i02aY_mean vs Slug



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

-1.234+/-0.000 χ^2/NDF : 6675043543.5/22

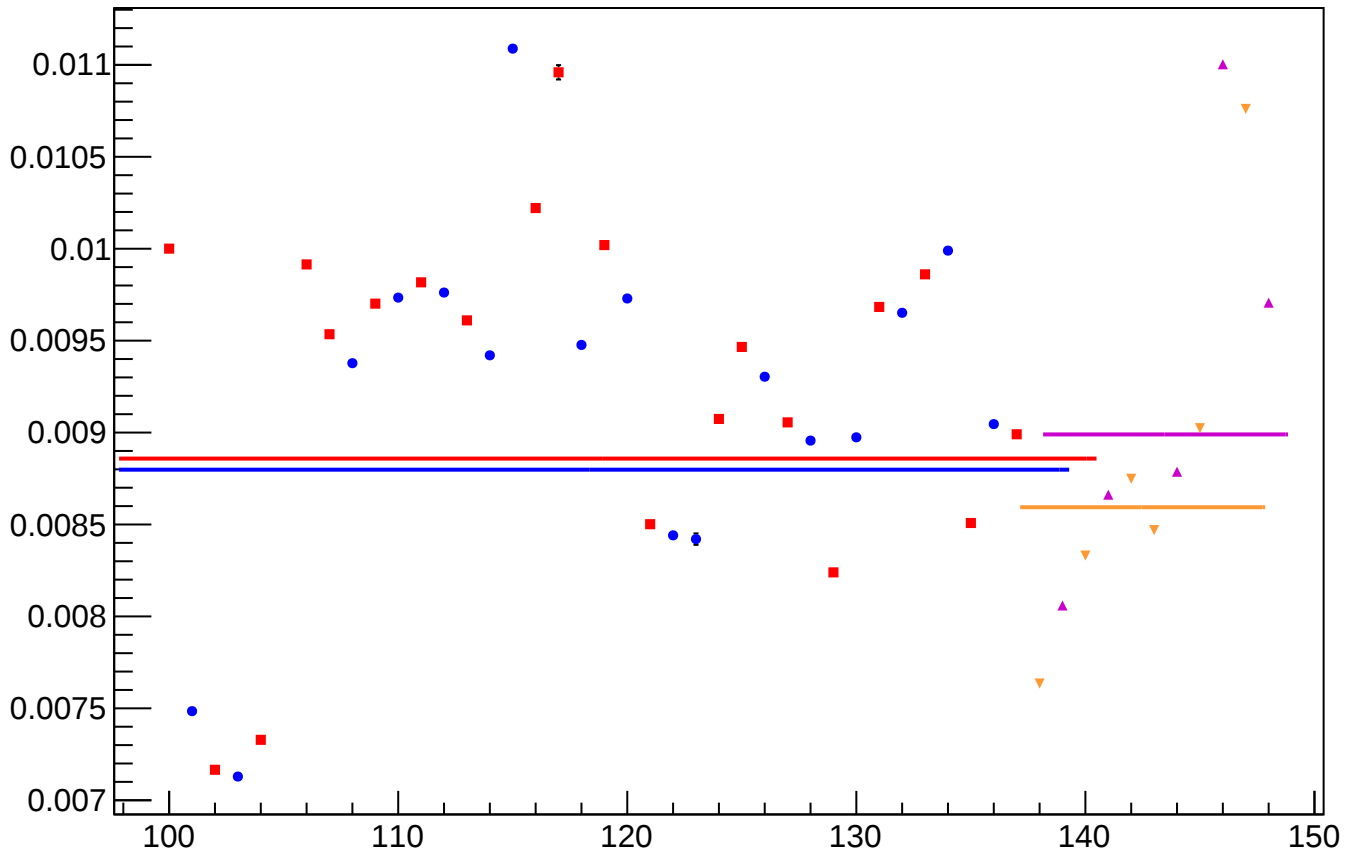
Left Out: -1.408+/-0.000 χ^2/NDF : 596075080.3/5

Right Out: -1.133+/-0.000 χ^2/NDF : 3706528266.7/19

-1.235+/-0.000 χ^2/NDF : 6770569585.8/24

Left In: -1.430+/-0.000 χ^2/NDF : 510256983.9/4

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 151586.8/16

Left Out: 0.009+/-0.000 χ^2/NDF : 77154.1/5

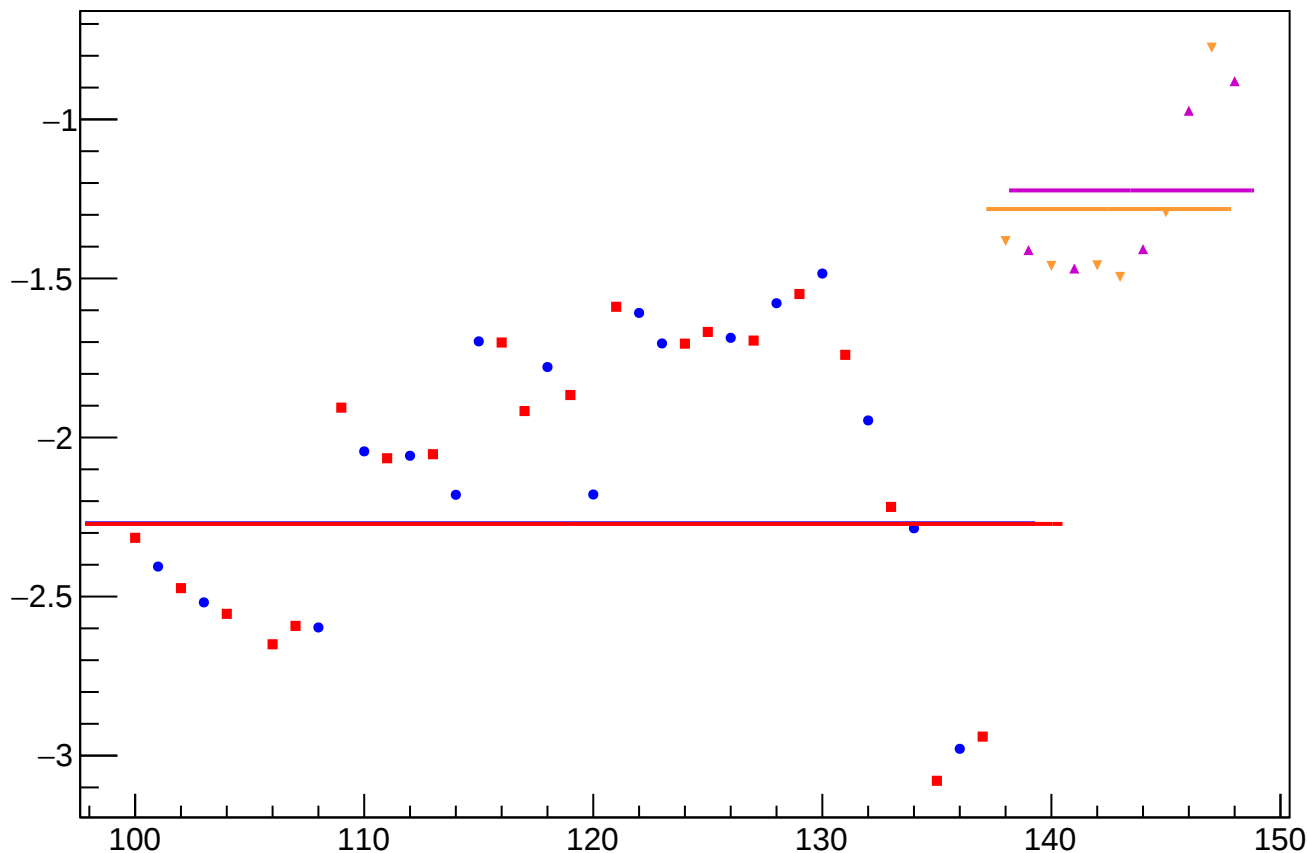
Right Out: 0.009+/-0.000 χ^2/NDF : 176858.0/19

Left In: 0.009+/-0.000 χ^2/NDF : 69160.2/4

0.009+/-0.000 χ^2/NDF : 231376.1/22

0.009+/-0.000 χ^2/NDF : 247019.6/24

yield_bpm0i05X_mean vs Slug



Right In: -2.270+/-0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.282+/-0.000 χ^2/NDF : 4692692929.6/5

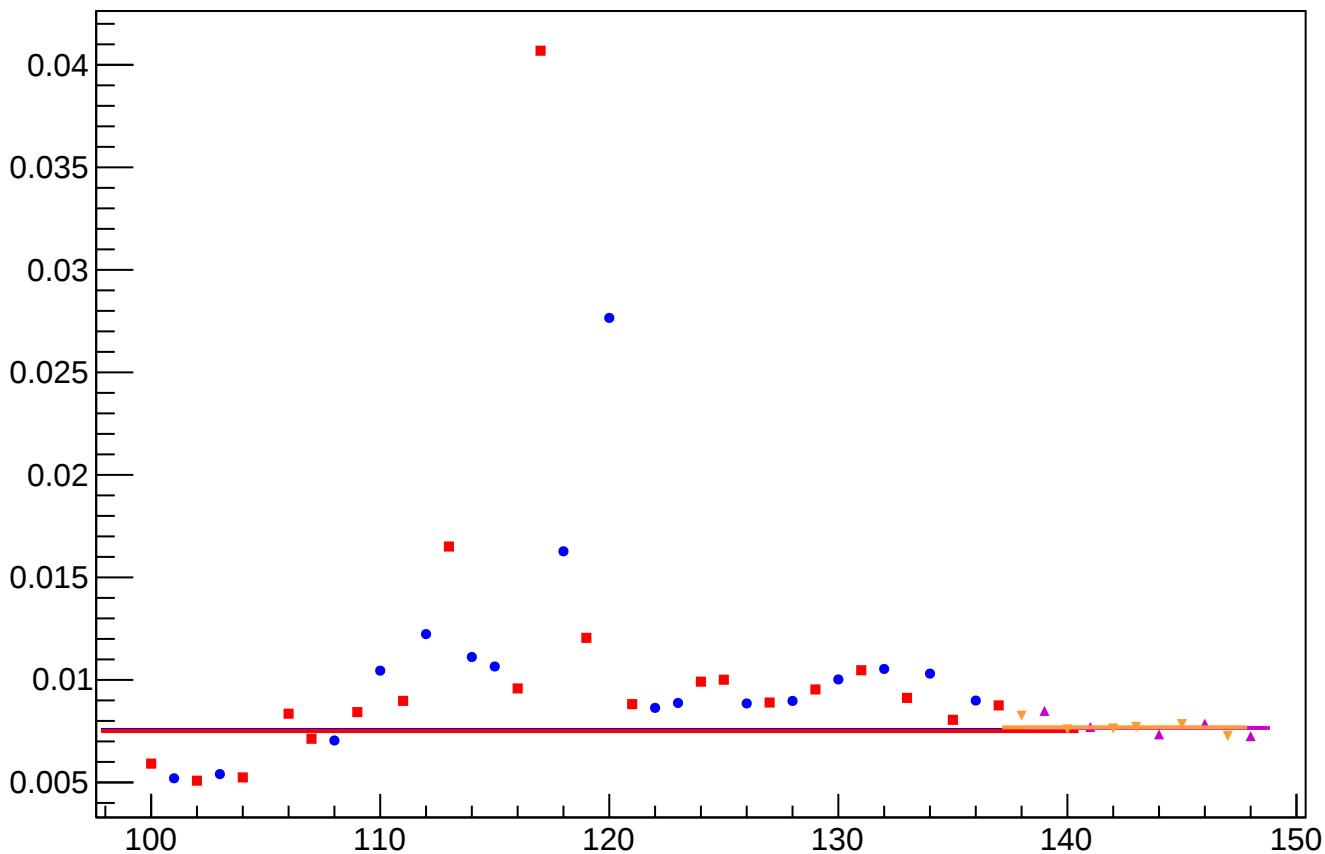
Right Out: -2.272+/-0.000 χ^2/NDF : 19012236430.2/19

Left In: -1.223+/-0.000 χ^2/NDF : 4072104226.9/4

-1.851+/-0.000 χ^2/NDF : 58579380446.9/22

-1.863+/-0.000 χ^2/NDF : 65780900938.1/24

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1221004.0/16

Left Out: 0.008+/-0.000 χ^2/NDF :11571.4/5

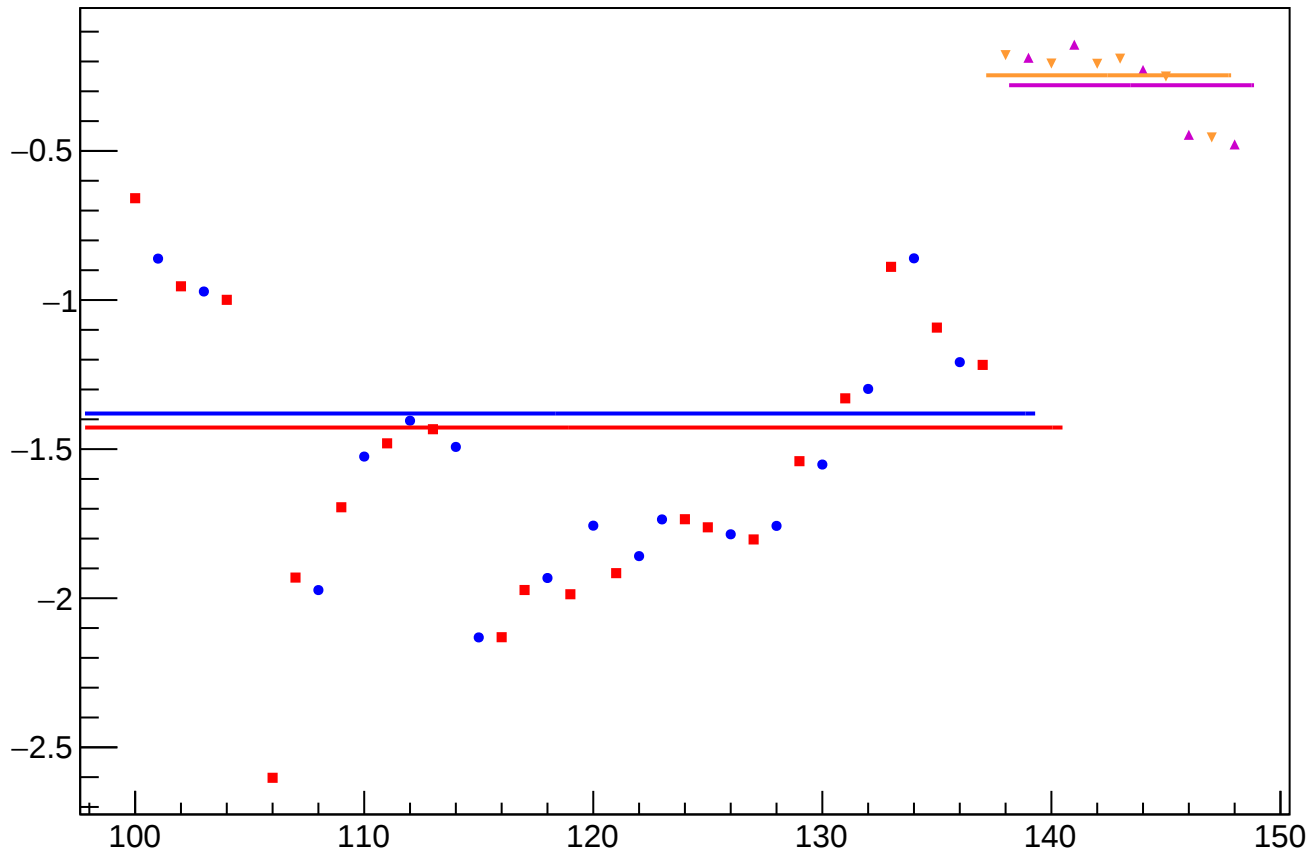
Right Out: 0.008+/-0.000 χ^2/NDF : 984811.6/19

Left In: 0.008+/-0.000 χ^2/NDF :20746.0/4

0.008+/-0.000 χ^2/NDF : 1233804.4/22

0.008+/-0.000 χ^2/NDF : 1007342.7/24

yield_bpm0i05Y_mean vs Slug



Right In: -1.381+/-0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.246+/-0.000 χ^2/NDF :1995093690.3/5

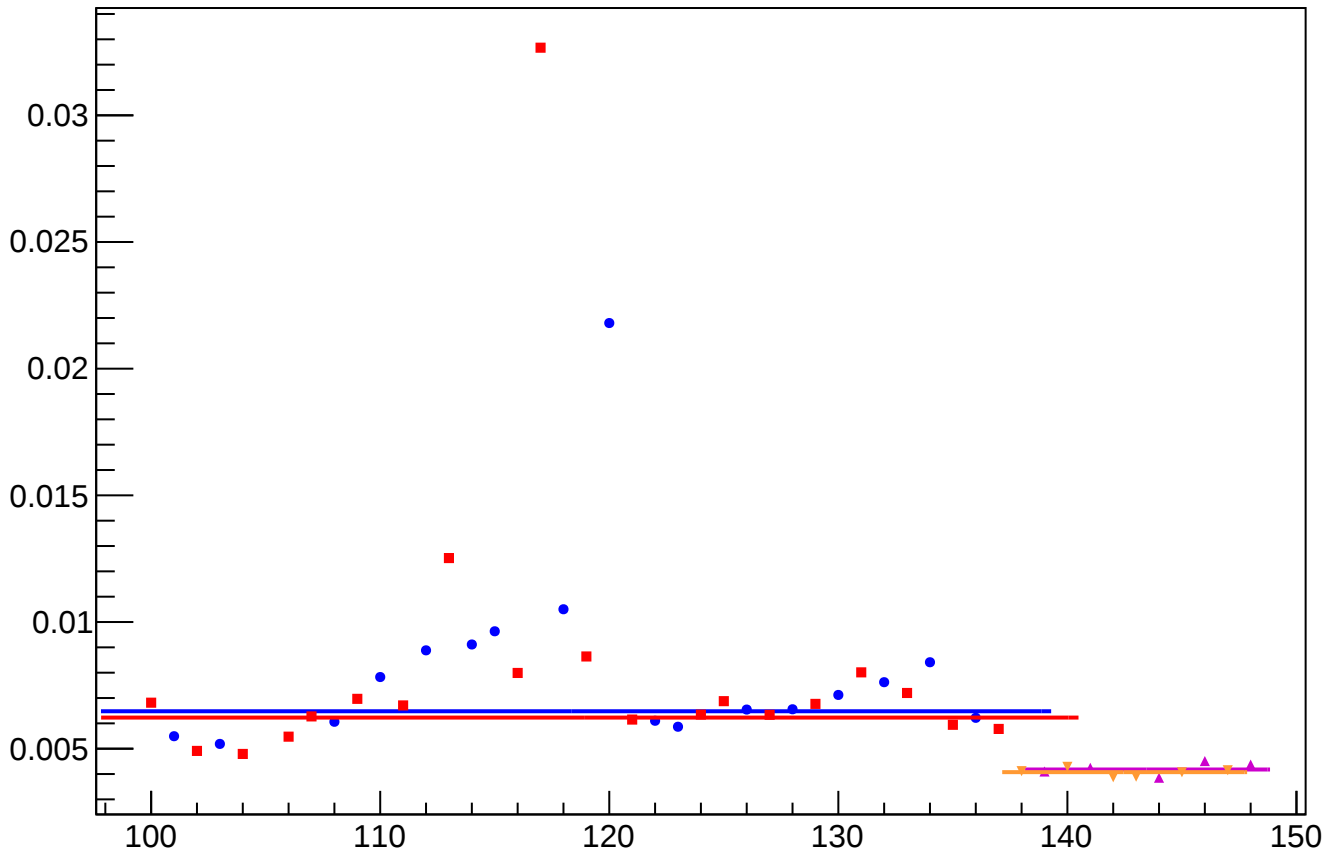
-0.660+/-0.000 χ^2/NDF : 128160560279.5/22

Right Out: -1.428+/-0.000 χ^2/NDF : 29626603581.6/19

-0.770+/-0.000 χ^2/NDF : 147884434407.6/24

Left In: -0.280+/-0.000 χ^2/NDF :3548814703.0/4

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 : 8890.0/5

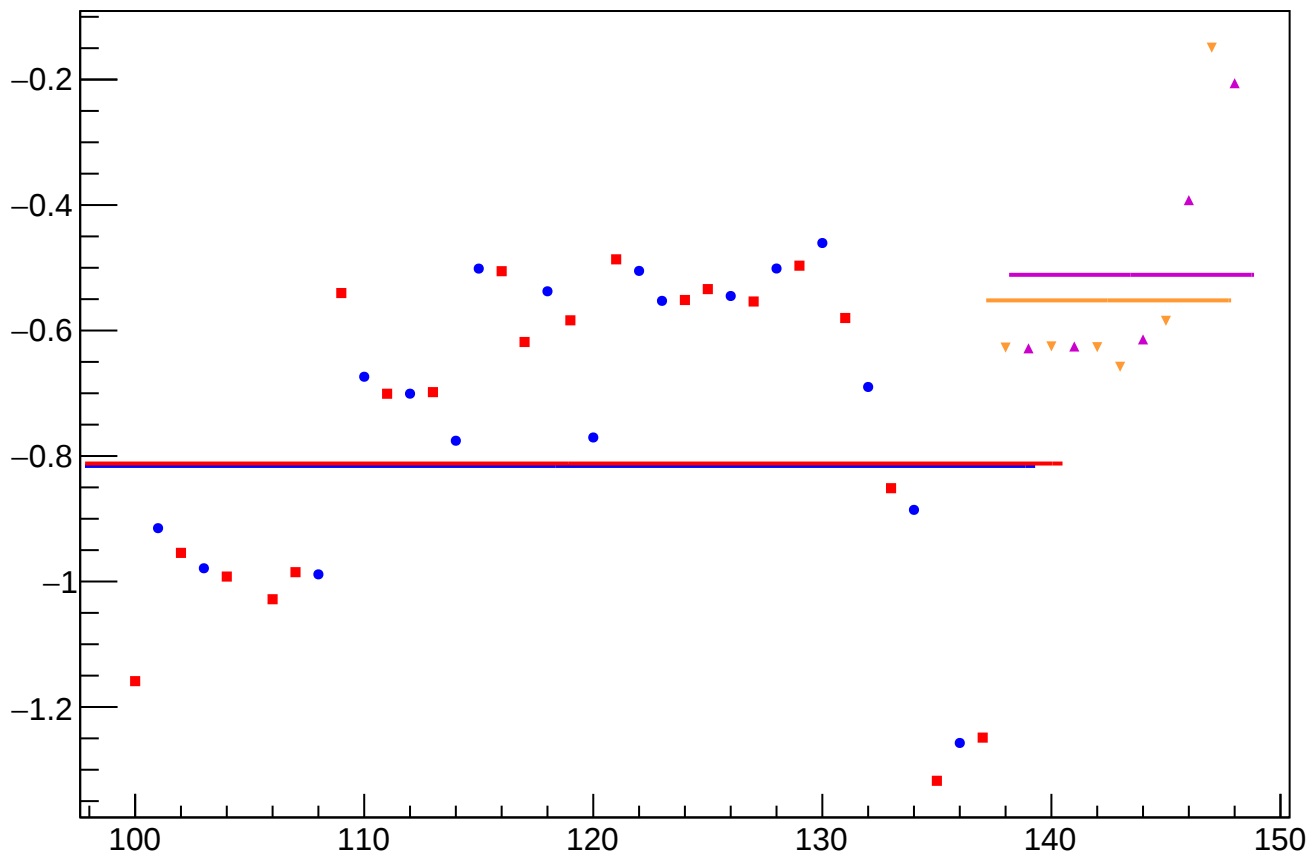
Right Out: 0.006+/-0.000 χ^2/NDF : 472534.6/19

Left In: 0.004+/-0.000 χ^2/NDF : 22130.6/4

0.005+/-0.000 χ^2/NDF : 1534700.2/22

0.005+/-0.000 χ^2/NDF : 1226039.4/24

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.552+/-0.000 χ^2/NDF : 3820333255.2/5

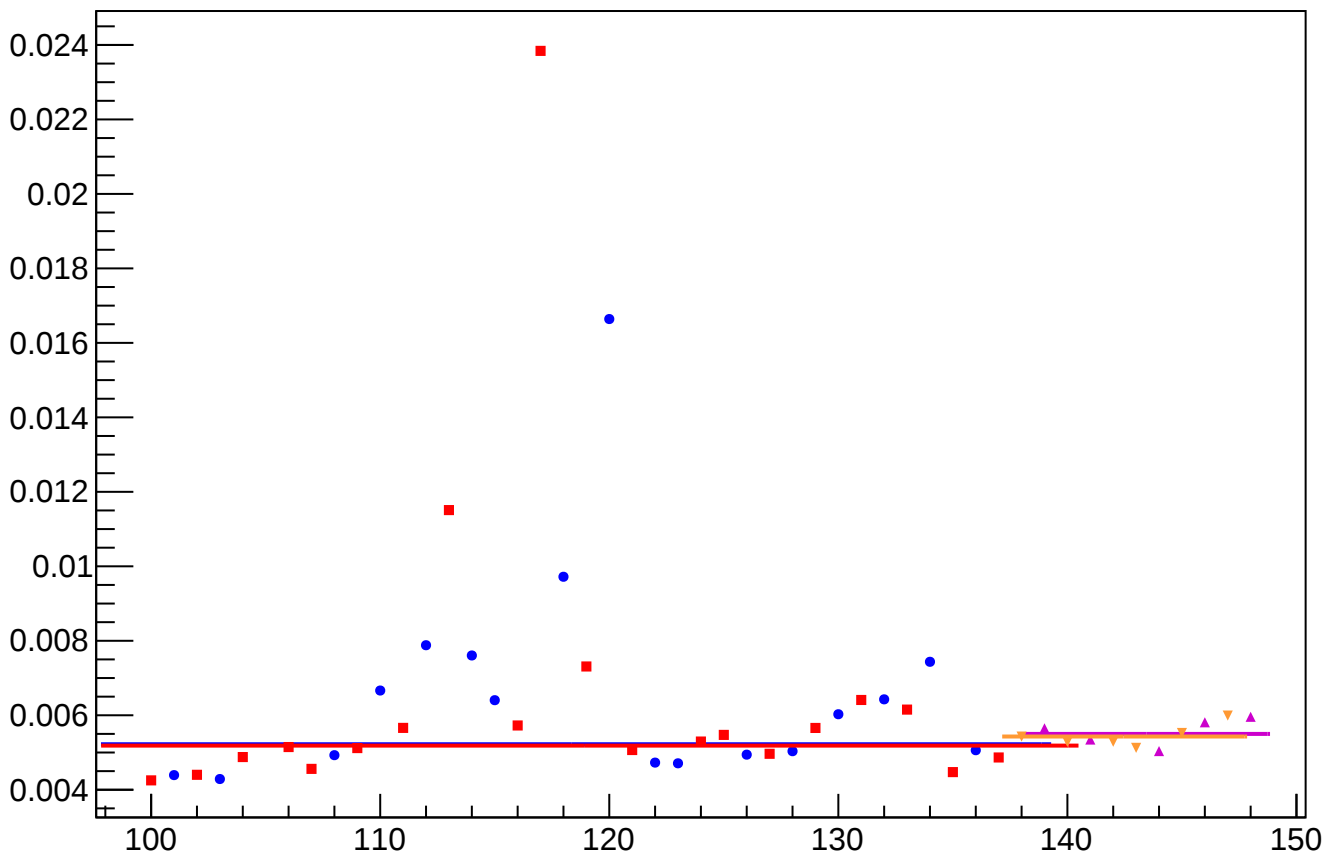
Right Out: -0.812+/-0.000 χ^2/NDF : 16818378599.3/19

Left In: -0.511+/-0.000 χ^2/NDF : 3221939228.4/4

-0.711+/-0.000 χ^2/NDF : 23405718944.5/22

-0.705+/-0.000 χ^2/NDF : 27157455657.4/24

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 664386.8/16

Left Out: 0.005+/-0.000 χ^2/NDF :18963.2/5

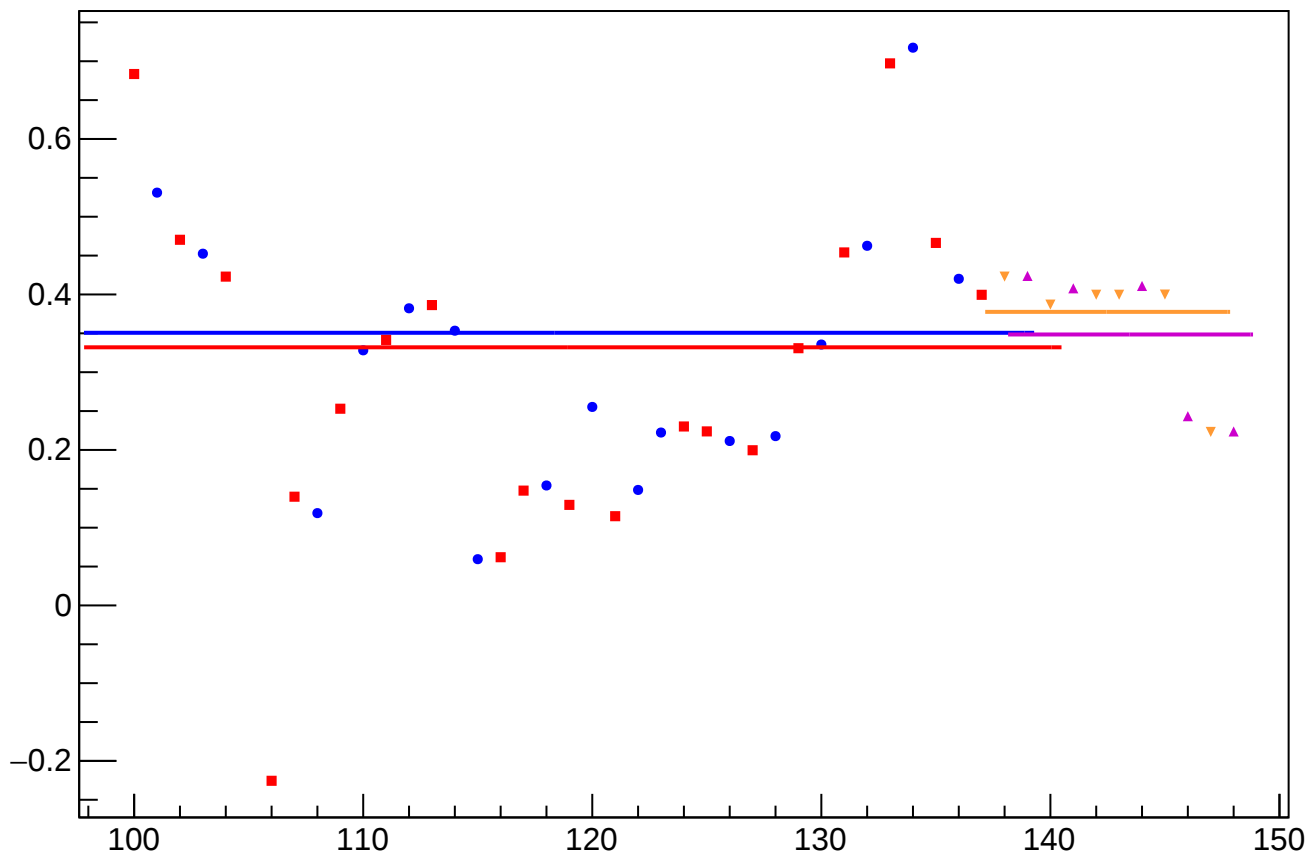
Right Out: 0.005+/-0.000 χ^2/NDF : 410640.5/19

Left In: 0.005+/-0.000 χ^2/NDF :28725.7/4

0.005+/-0.000 χ^2/NDF : 690078.2/22

0.005+/-0.000 χ^2/NDF : 454870.1/24

yield_bpm0i07Y_mean vs Slug



Right In: 0.351 ± 0.000 χ^2/NDF : 7410859446.3/16

Left Out: 0.378 ± 0.000 χ^2/NDF : 1131734138.1/5

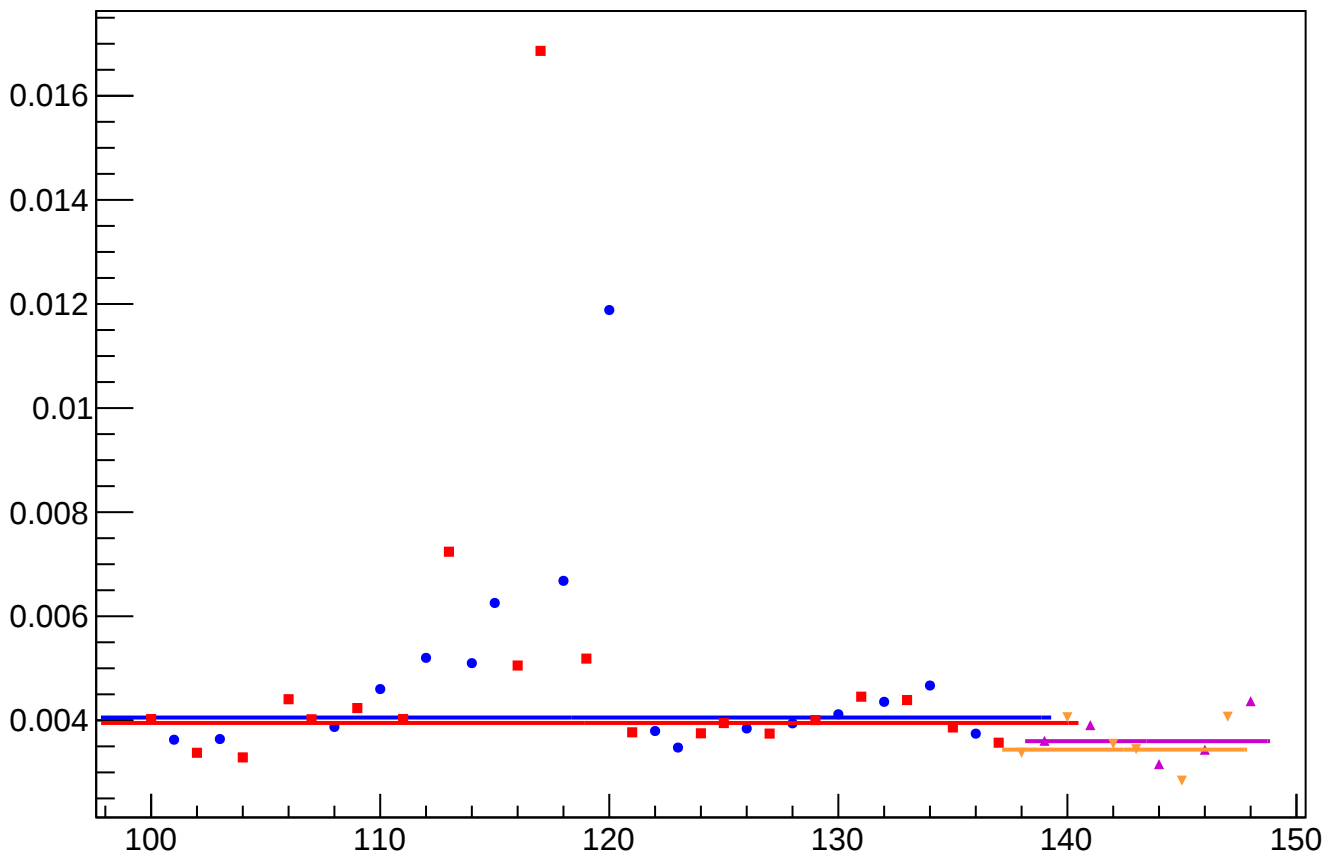
Right Out: 0.332 ± 0.000 χ^2/NDF : 11800695210.2/19

Left In: 0.349 ± 0.000 χ^2/NDF : 1889455241.4/4

0.363 ± 0.000 χ^2/NDF : 8656302820.0/22

0.339 ± 0.000 χ^2/NDF : 13732401820.8/24

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 455318.3/16

Left Out: 0.003+/-0.000 χ^2/NDF :122420.8/5

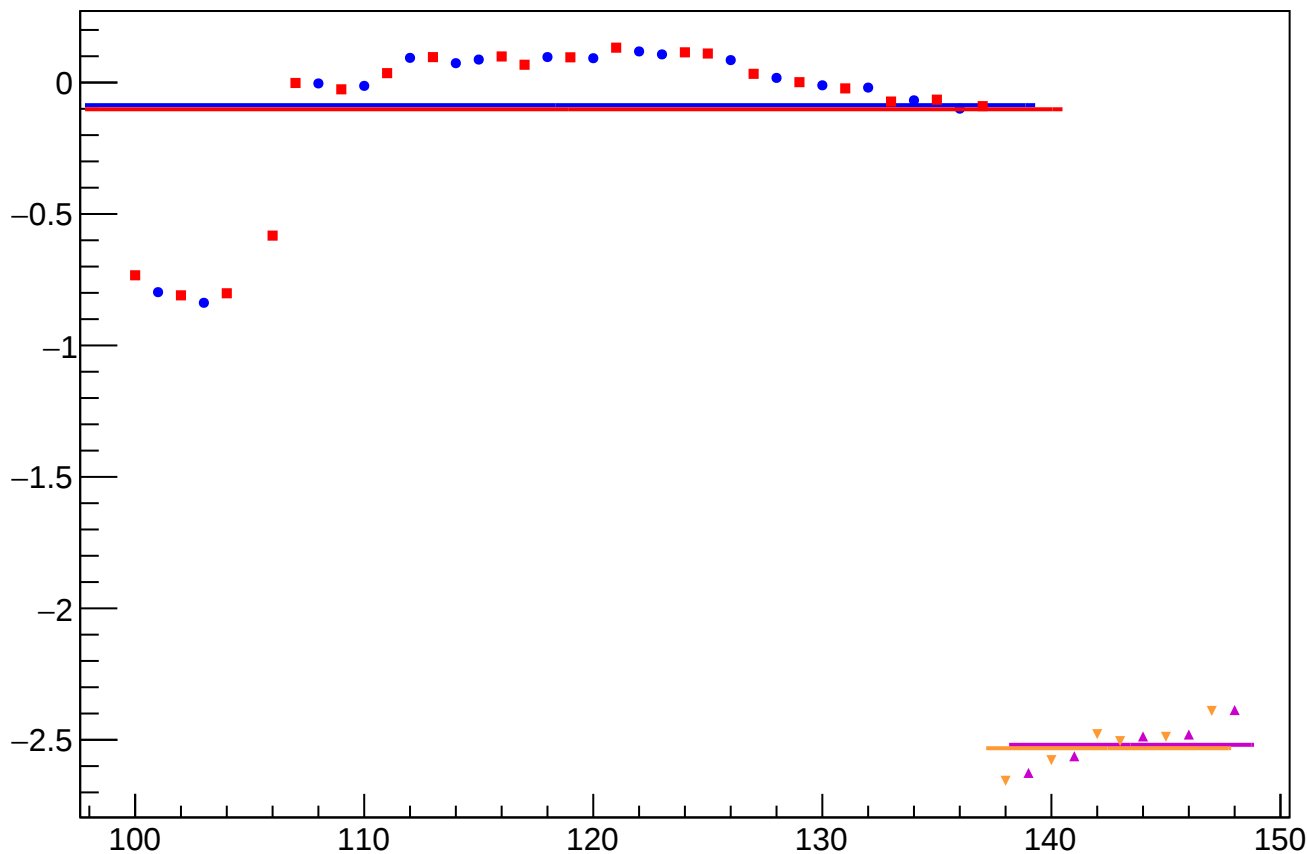
Right Out: 0.004+/-0.000 χ^2/NDF : 304954.7/19

Left In: 0.004+/-0.000 χ^2/NDF :84533.3/4

0.004+/-0.000 χ^2/NDF : 697163.7/22

0.004+/-0.000 χ^2/NDF : 427445.5/24

yield_bpm1i02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.532+/-0.000 χ^2/NDF : 139034204.1/5

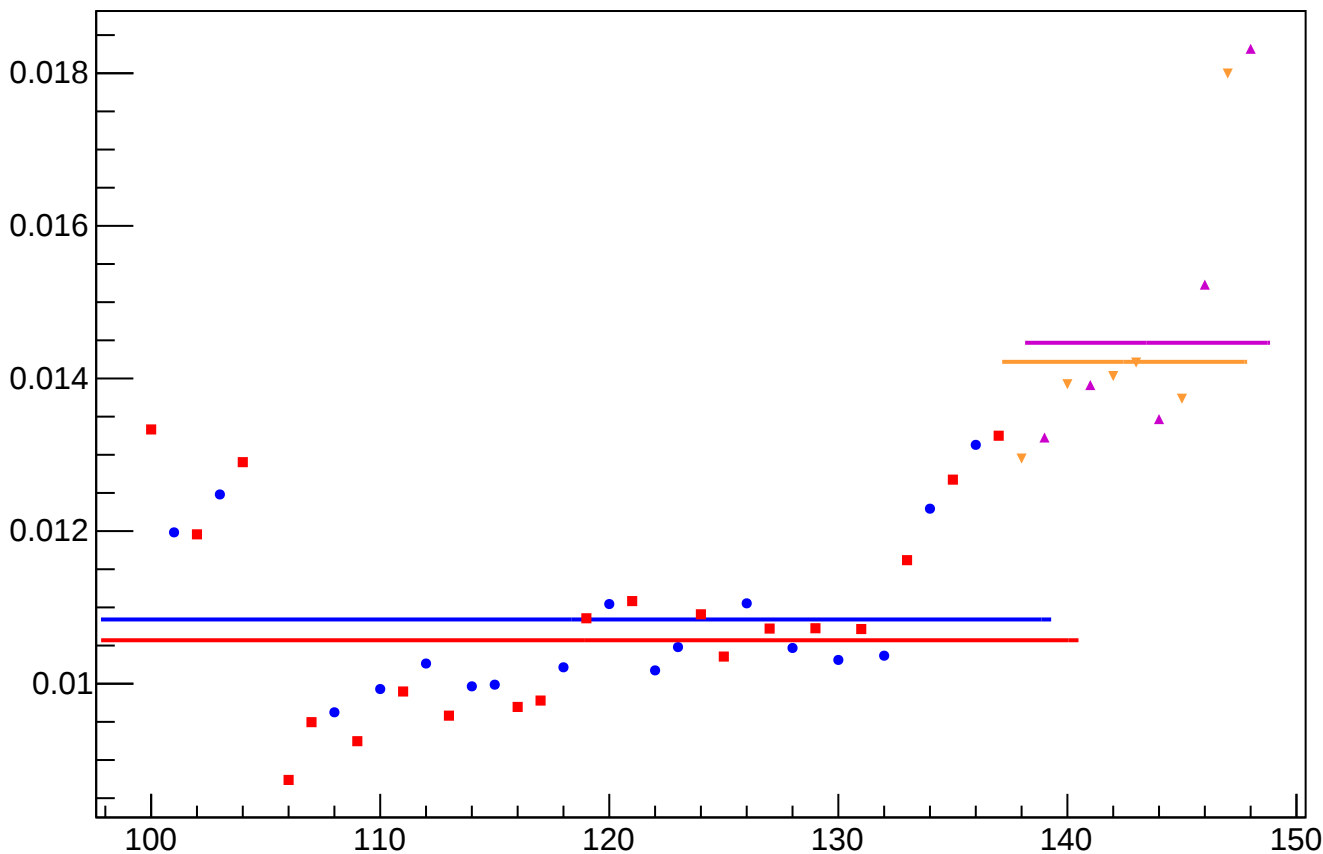
Right Out: -0.102+/-0.000 χ^2/NDF : 5566142794.2/19

Left In: -2.519+/-0.000 χ^2/NDF : 104593831.0/4

-0.732+/-0.000 χ^2/NDF : 94410145365.4/22

-0.656+/-0.000 χ^2/NDF : 90324410163.8/24

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.014+/-0.000 χ^2/NDF :85102.4/5

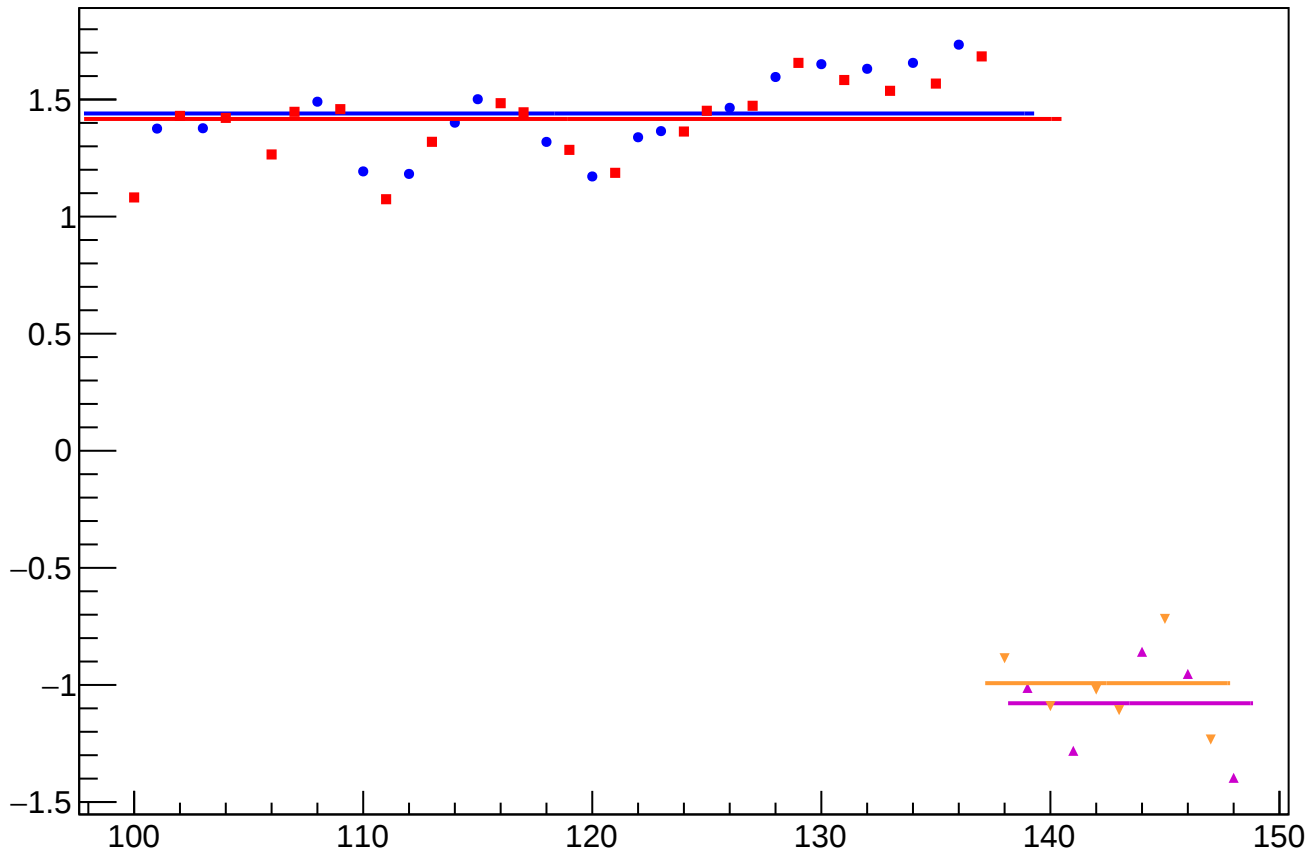
Right Out: 0.011+/-0.000 χ^2/NDF : 179537.7/19

Left In: 0.014+/-0.000 χ^2/NDF :99429.6/4

0.012+/-0.000 χ^2/NDF : 549579.4/22

0.011+/-0.000 χ^2/NDF : 719303.1/24

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.992 $\pm$ 0.000 χ^2 /NDF: 1071725798.6/5

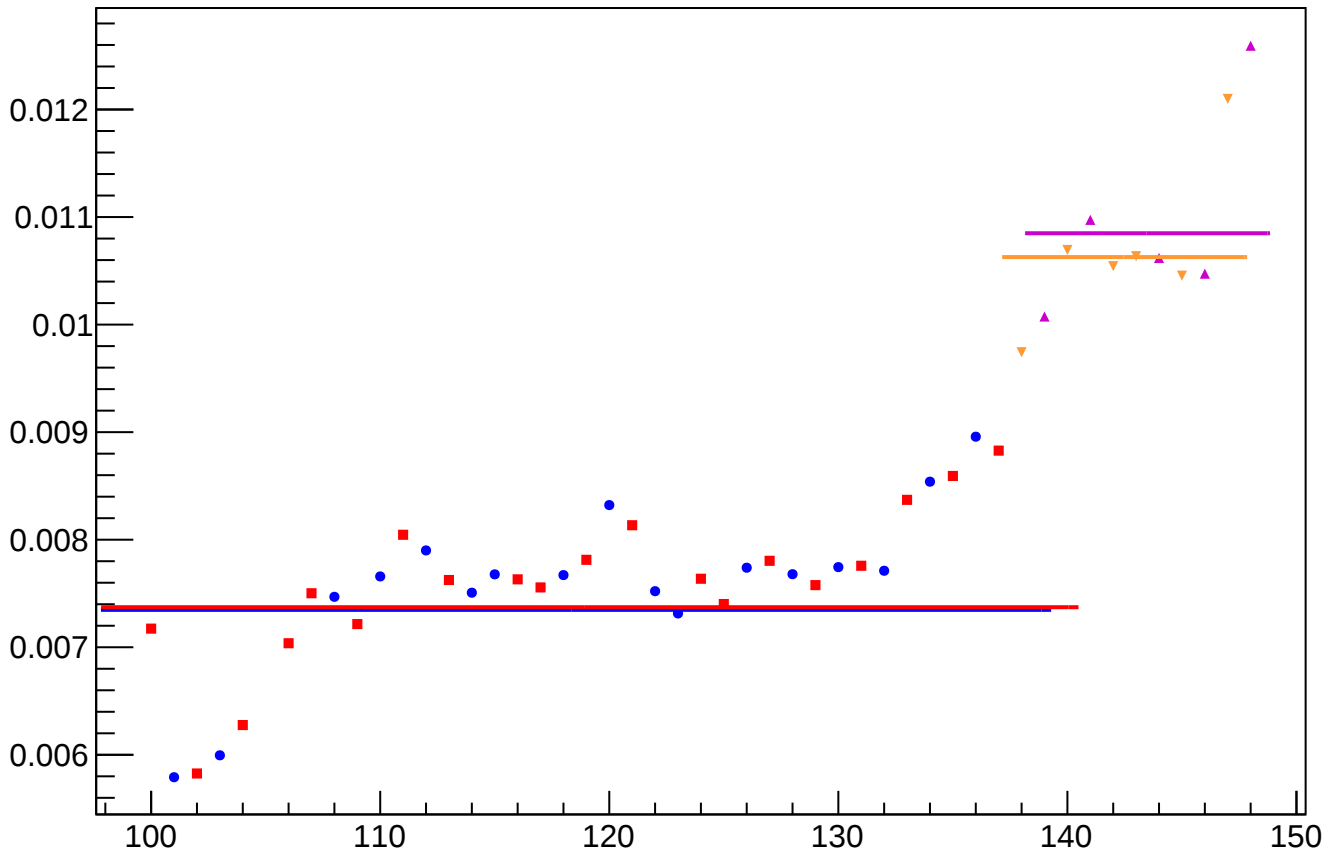
0.878 $\pm$ 0.000 χ^2 /NDF: 171542359716.0/22

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674679406.4/19

0.903 $\pm$ 0.000 χ^2 /NDF: 170491474201.9/24

Left In: -1.078 $\pm$ 0.000 χ^2 /NDF: 1312060914.8/4

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 228163.6/16

Left Out: 0.011+/-0.000 χ^2/NDF : 35705.4/5

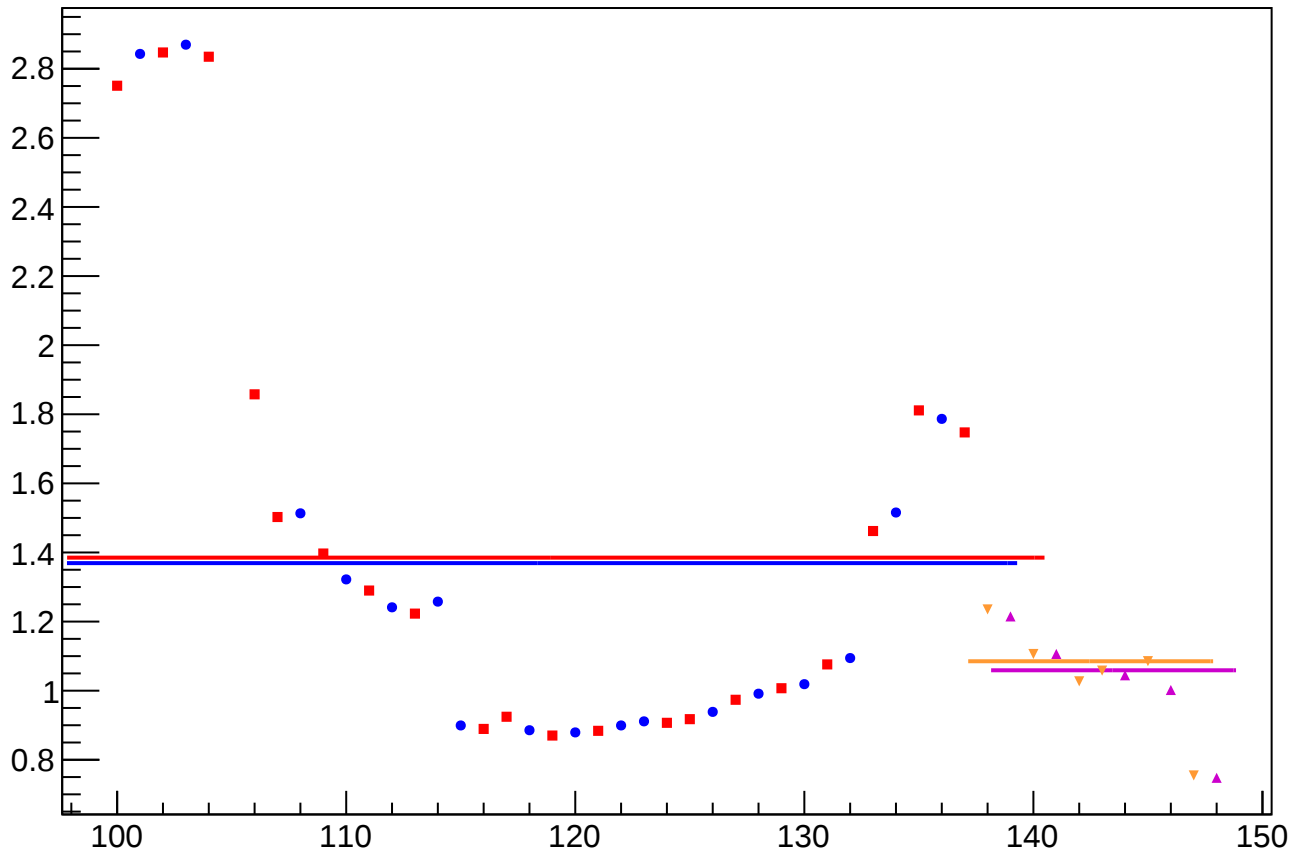
Right Out: 0.007+/-0.000 χ^2/NDF : 172741.0/19

Left In: 0.011+/-0.000 χ^2/NDF : 41888.1/4

0.008+/-0.000 χ^2/NDF : 871155.9/22

0.008+/-0.000 χ^2/NDF : 861413.6/24

yield_bpm1i04X_mean vs Slug



Right In: 1.369+/-0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.085+/-0.000 χ^2/NDF : 872600734.1/5

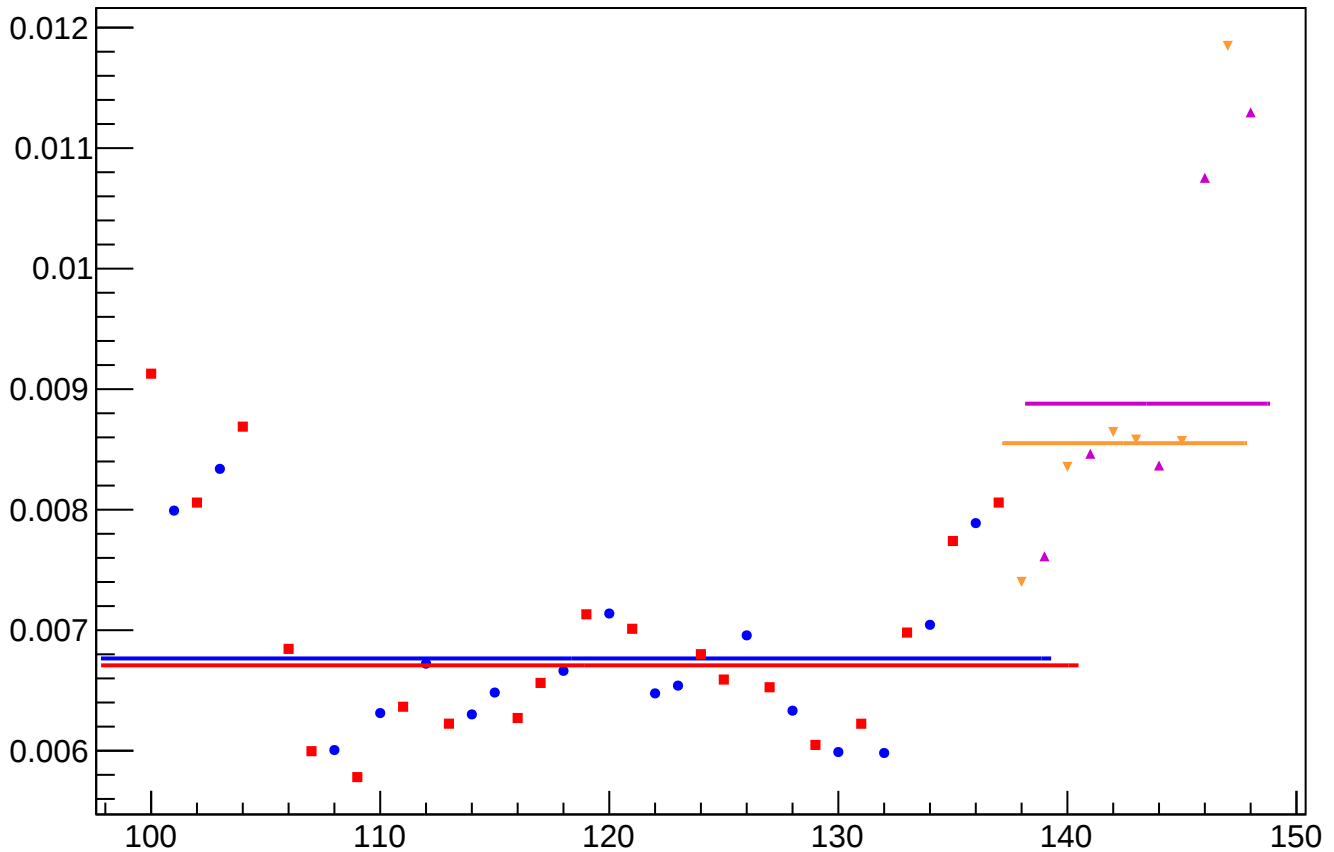
1.292+/-0.000 χ^2/NDF : 58235629592.8/22

Right Out: 1.385+/-0.000 χ^2/NDF : 50114562617.6/19

1.309+/-0.000 χ^2/NDF : 54884461759.0/24

Left In: 1.059+/-0.000 χ^2/NDF : 907863419.8/4

yield_bpm1i04X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 $\chi^2/\text{NDF}: 159554.9/16$

Left Out: 0.009 $\pm$ 0.000 $\chi^2/\text{NDF}: 144432.1/5$

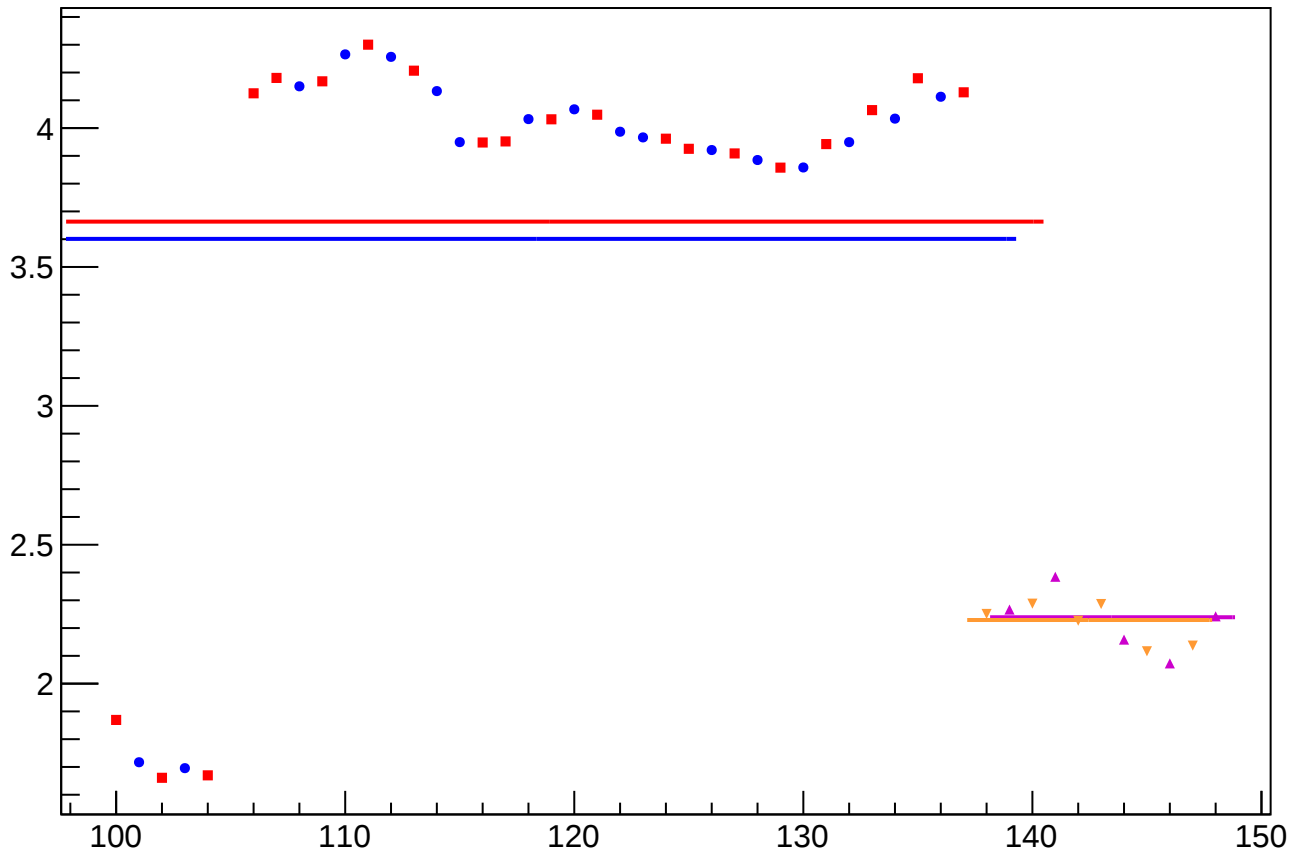
Right Out: 0.007 $\pm$ 0.000 $\chi^2/\text{NDF}: 187869.7/19$

Left In: 0.009 $\pm$ 0.000 $\chi^2/\text{NDF}: 159873.1/4$

0.007 $\pm$ 0.000 $\chi^2/\text{NDF}: 553741.7/22$

0.007 $\pm$ 0.000 $\chi^2/\text{NDF}: 690294.4/24$

yield_bpm1i04Y_mean vs Slug



Right In: 3.601+/-0.000 χ^2/NDF : 185806937655.3/16

Left Out: 2.229+/-0.000 χ^2/NDF : 297466070.1/5

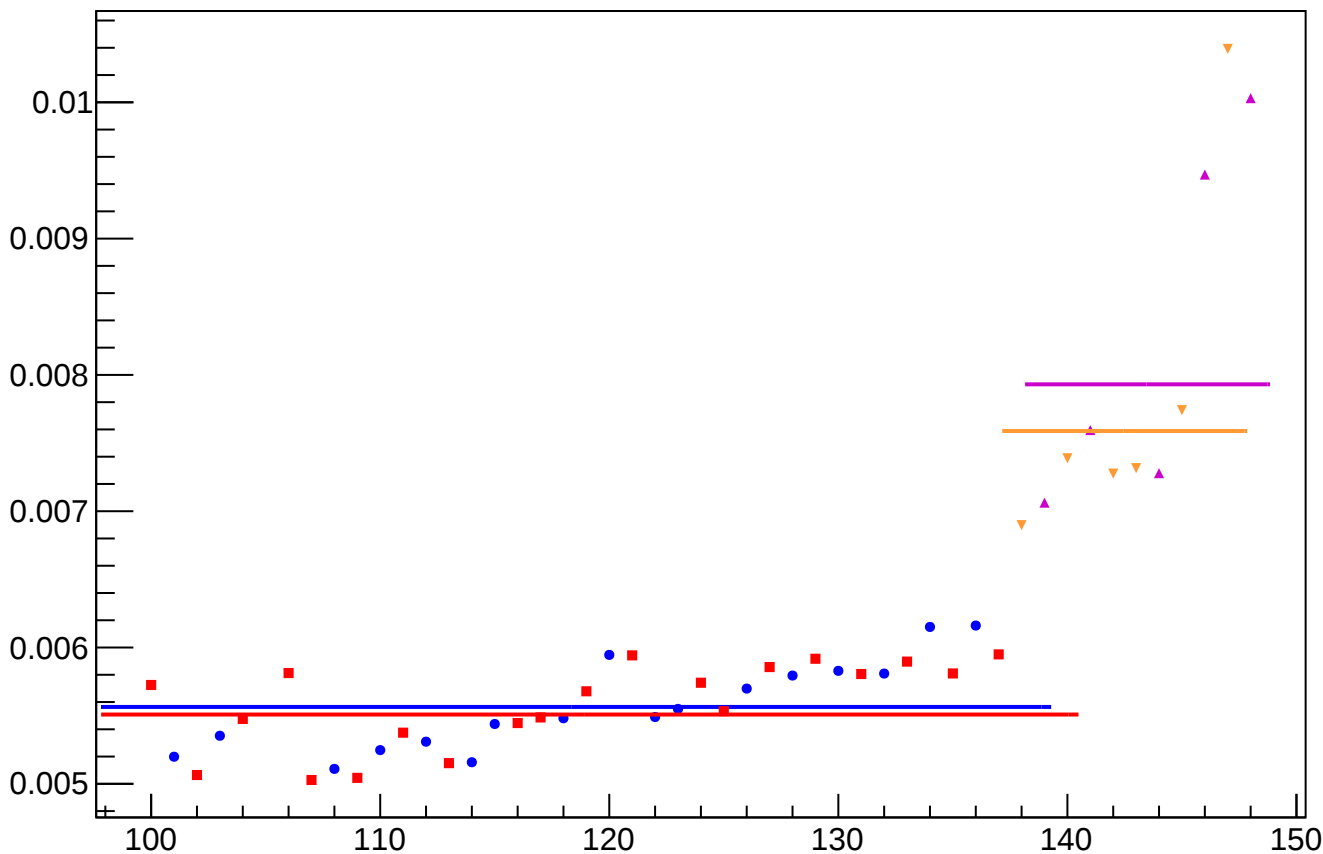
3.273+/-0.000 χ^2/NDF : 283188716837.2/22

Right Out: 3.663+/-0.000 χ^2/NDF : 192640409625.9/19

3.374+/-0.000 χ^2/NDF : 288173633099.8/24

Left In: 2.239+/-0.000 χ^2/NDF : 630890172.7/4

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 47588.2/16

Left Out: 0.008+/-0.000 χ^2/NDF :117611.0/5

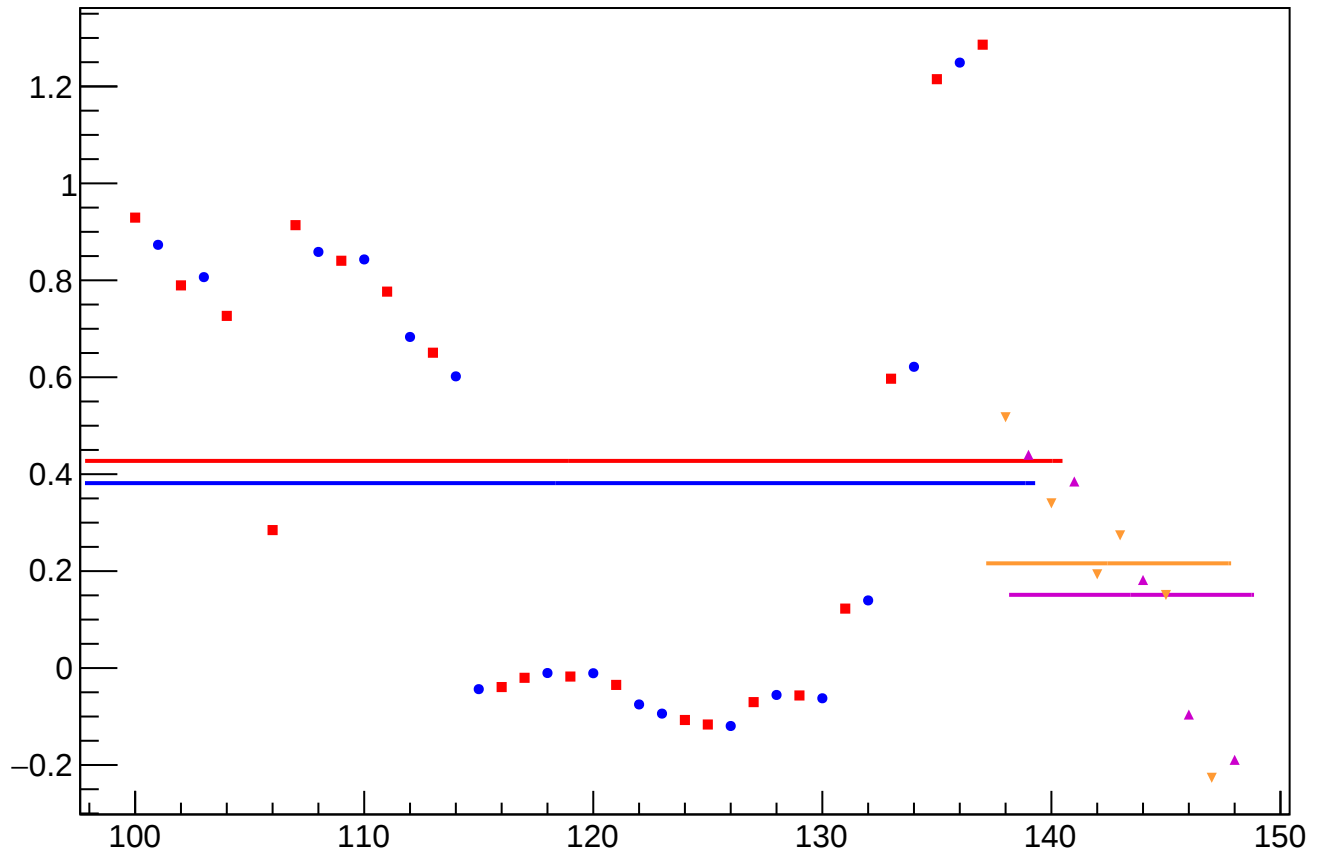
Right Out: 0.006+/-0.000 χ^2/NDF : 52636.1/19

Left In: 0.008+/-0.000 χ^2/NDF :136990.7/4

0.006+/-0.000 χ^2/NDF : 587859.8/22

0.006+/-0.000 χ^2/NDF : 738803.5/24

yield_bpm1i06X_mean vs Slug



Right In: 0.382+/-0.000 χ^2/NDF : 7124759123.1/16

Left Out: 0.216+/-0.000 χ^2/NDF :836841245.4/5

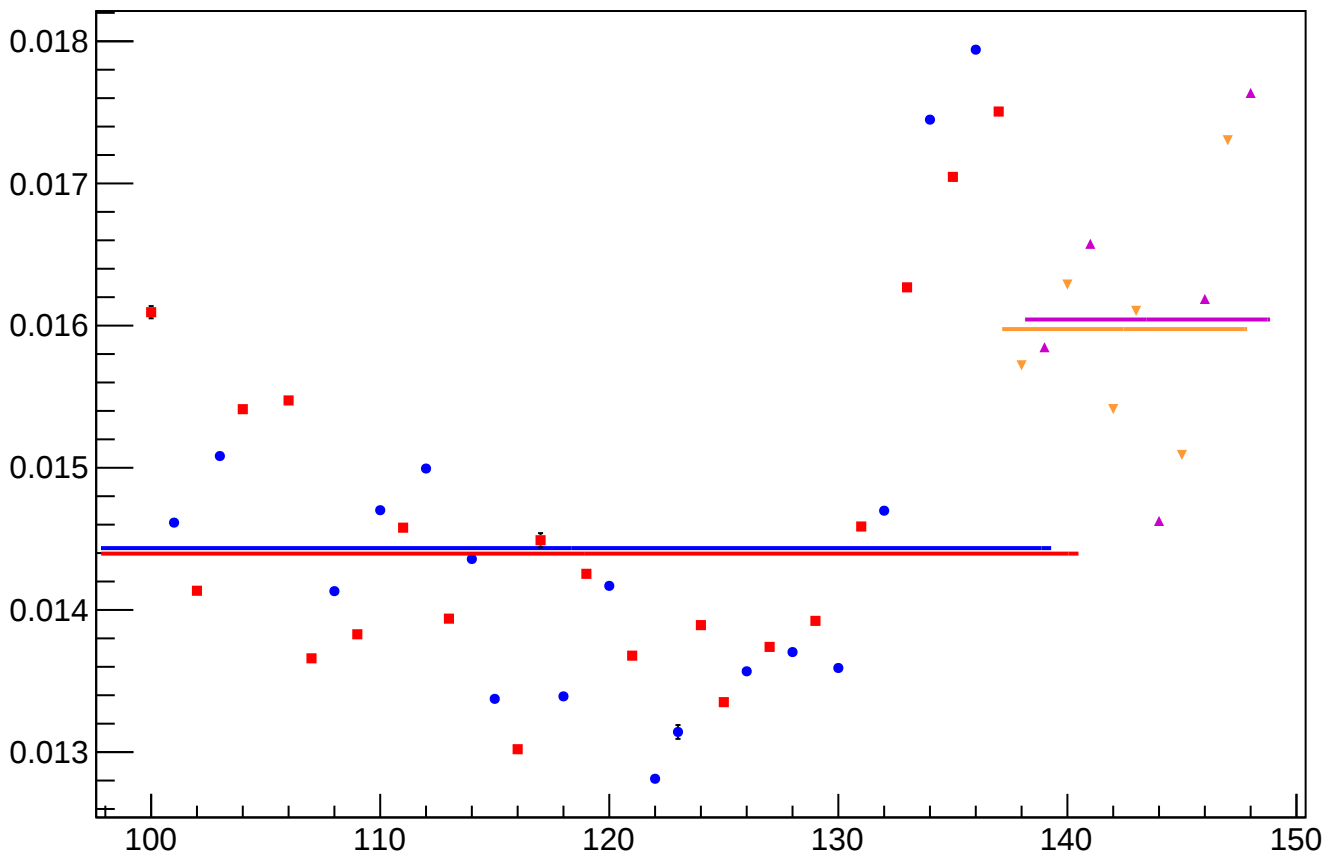
0.326+/-0.000 χ^2/NDF : 8254180655.4/22

Right Out: 0.427+/-0.000 χ^2/NDF : 6716521382.4/19

0.341+/-0.000 χ^2/NDF : 8396541275.5/24

Left In: 0.151+/-0.000 χ^2/NDF :876615351.4/4

yield_bpm1i06X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 110224.4/16

Left Out: 0.016+/-0.000 χ^2/NDF : 16421.4/5

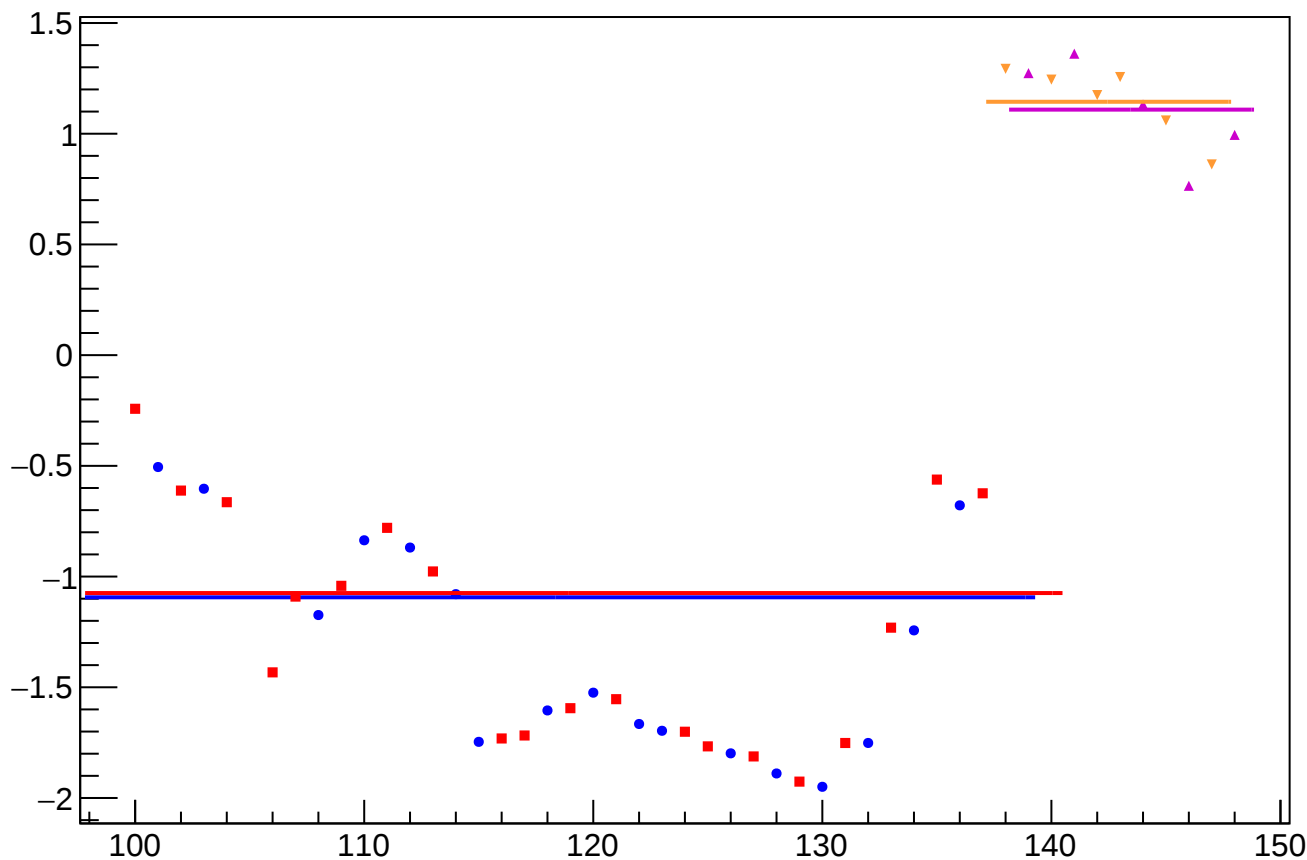
Right Out: 0.014+/-0.000 χ^2/NDF : 74535.1/19

Left In: 0.016+/-0.000 χ^2/NDF : 31014.2/4

0.015+/-0.000 χ^2/NDF : 177359.7/22

0.015+/-0.000 χ^2/NDF : 162615.0/24

yield_bpm1i06Y_mean vs Slug



Right In: -1.094 ± 0.000 χ^2/NDF : 55960104370.4/16

Left Out: 1.144 ± 0.000 χ^2/NDF : 6042965233.3/5

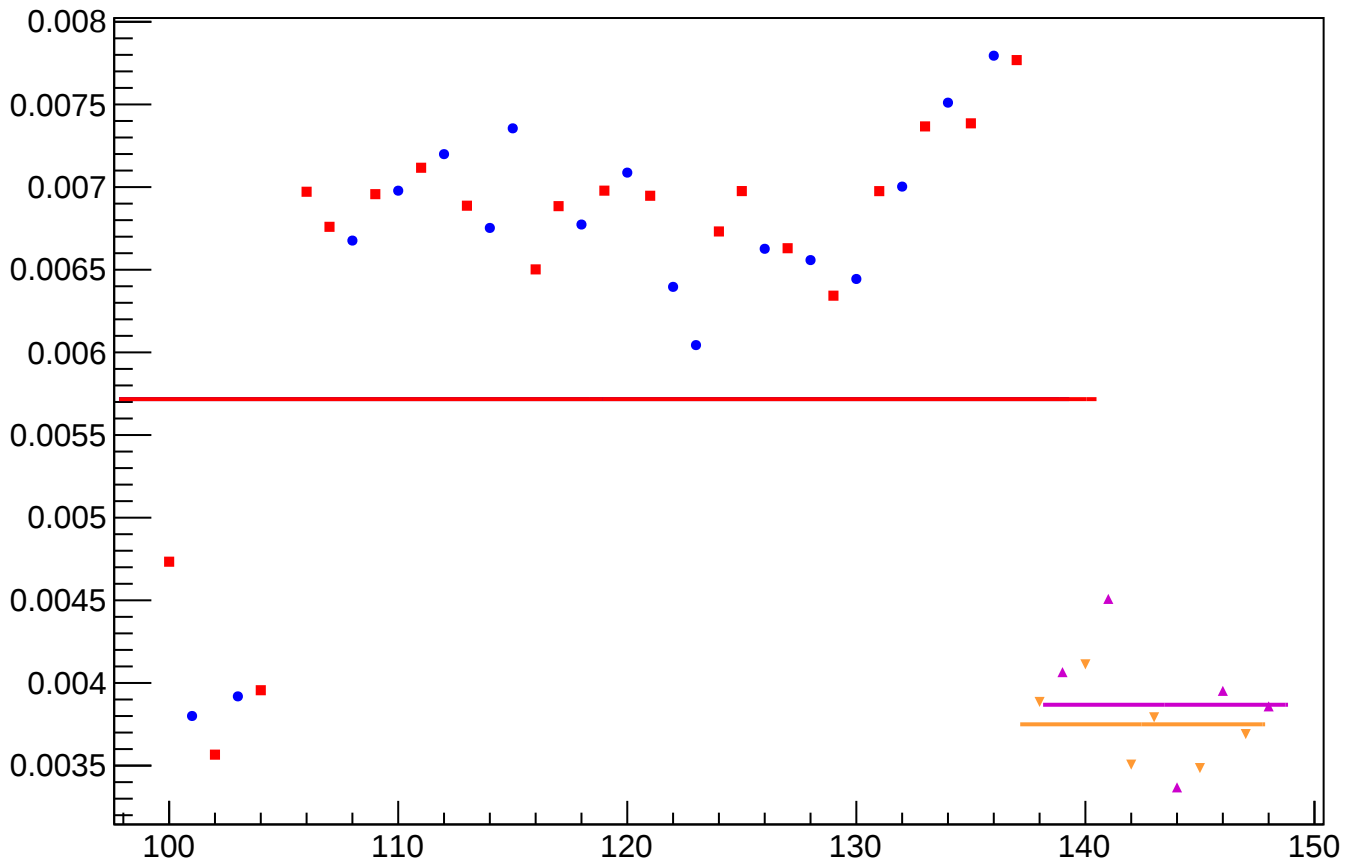
Right Out: -1.074 ± 0.000 χ^2/NDF : 47208439320.8/19

Left In: 1.109 ± 0.000 χ^2/NDF : 8611072790.2/4

0.236 ± 0.000 χ^2/NDF : 602660352711.0/22

0.126 ± 0.000 χ^2/NDF : 552924144362.3/24

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 : 25410.5/5

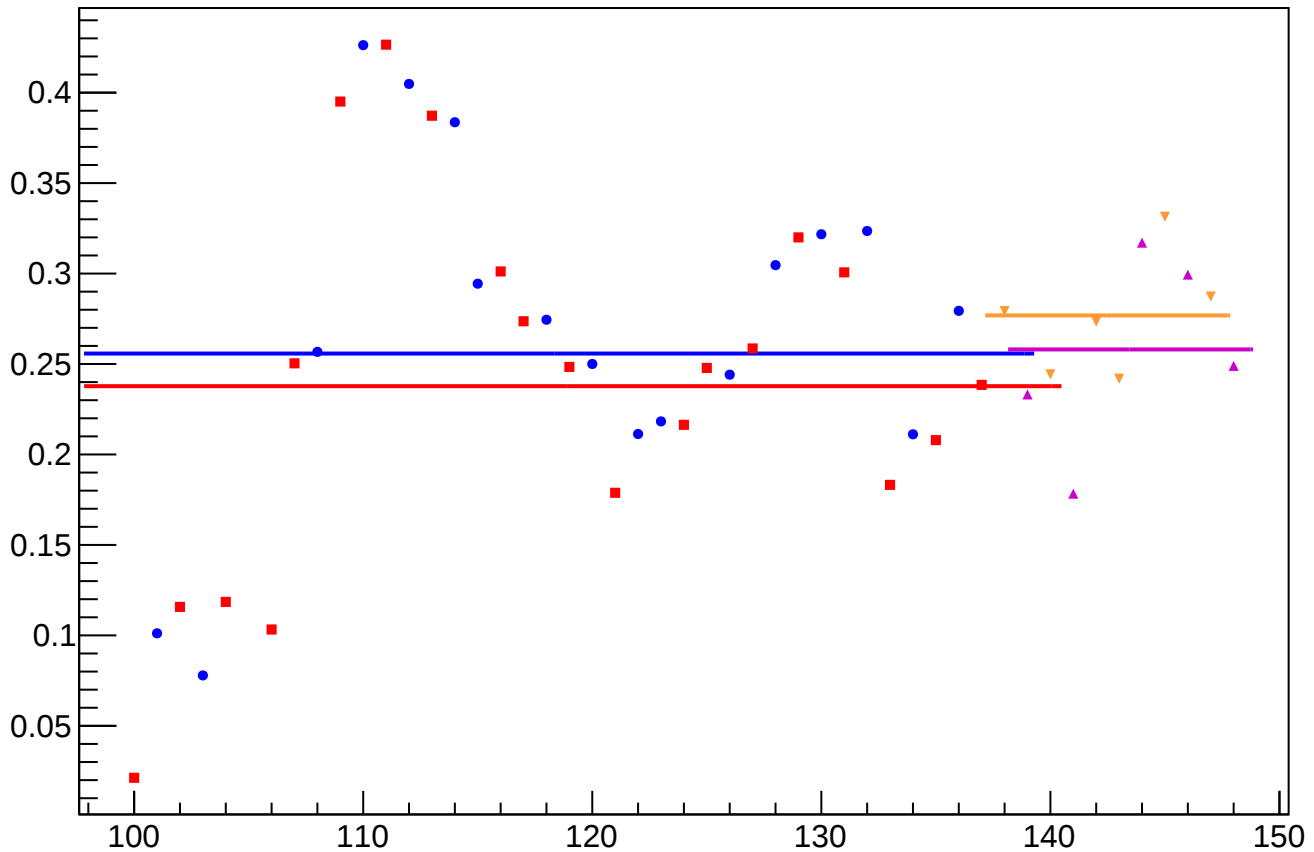
Right Out: 0.006+/-0.000 χ^2/NDF : 925957.4/19

Left In: 0.004+/-0.000 χ^2/NDF : 71124.9/4

0.005+/-0.000 χ^2/NDF : 1699102.1/22

0.005+/-0.000 χ^2/NDF : 1710153.3/24

yield_bpm2i01X_mean vs Slug



Right In: 0.256+/-0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.277+/-0.000 χ^2/NDF :1530464722.7/5

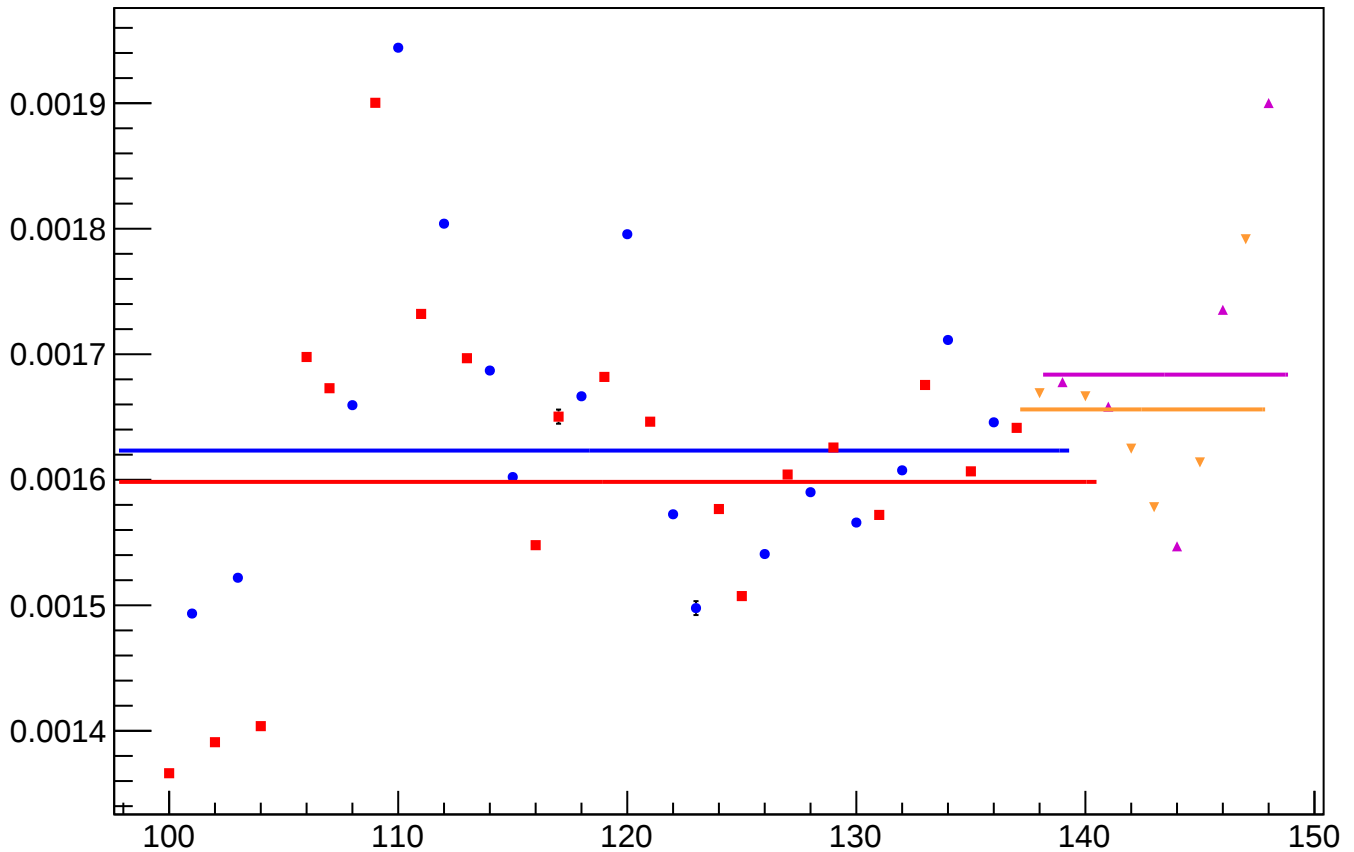
0.264+/-0.000 χ^2/NDF : 23309333389.1/22

Right Out: 0.238+/-0.000 χ^2/NDF : 26077768189.7/19

0.245+/-0.000 χ^2/NDF : 30262487108.4/24

Left In: 0.258+/-0.000 χ^2/NDF :3807146376.4/4

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 :13350.2/5

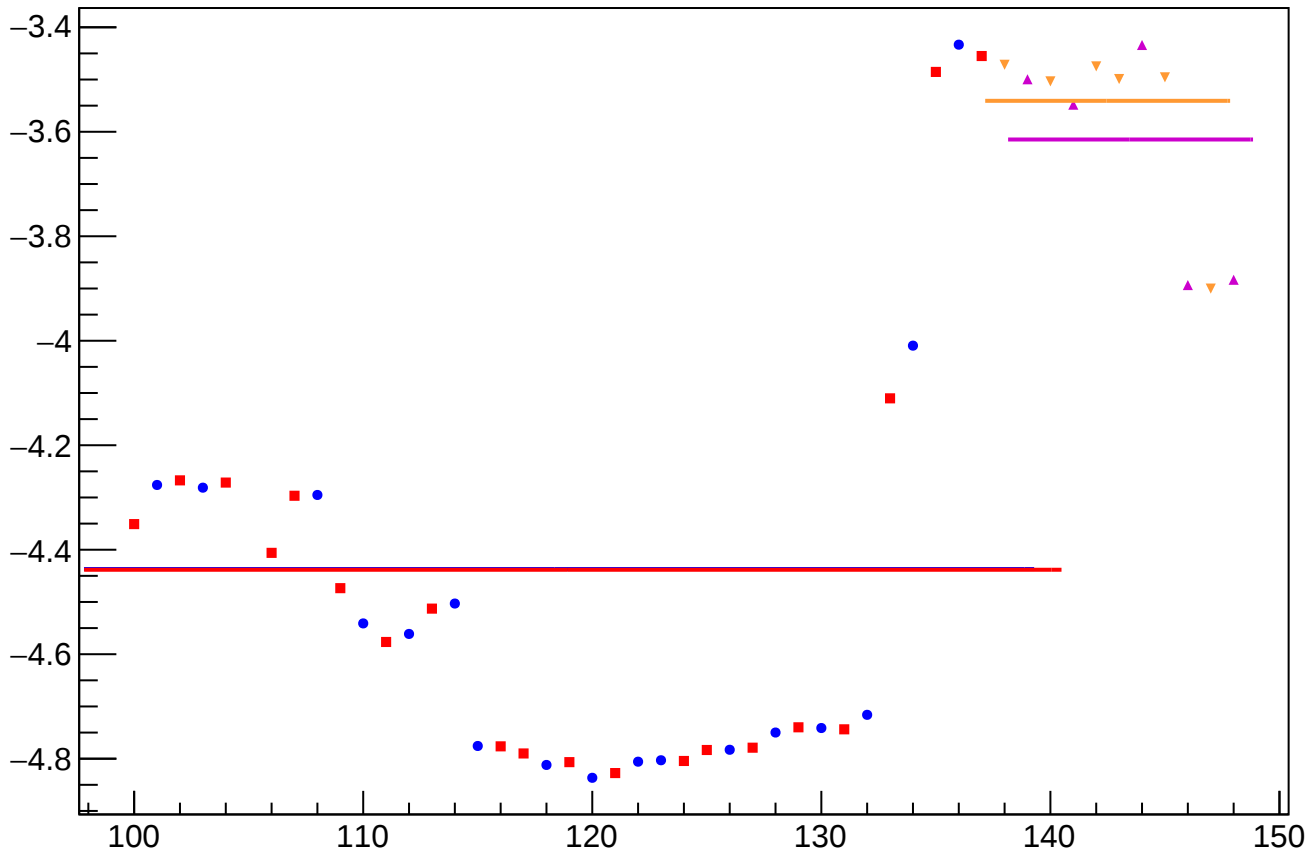
Right Out: 0.002+/-0.000 χ^2/NDF : 90764.4/19

Left In: 0.002+/-0.000 χ^2/NDF :34426.9/4

0.002+/-0.000 χ^2/NDF : 67818.0/22

0.002+/-0.000 χ^2/NDF : 138555.9/24

yield_bpm2i01Y_mean vs Slug



Right In: -4.437+/-0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.541+/-0.000 χ^2/NDF : 20081121228.4/5

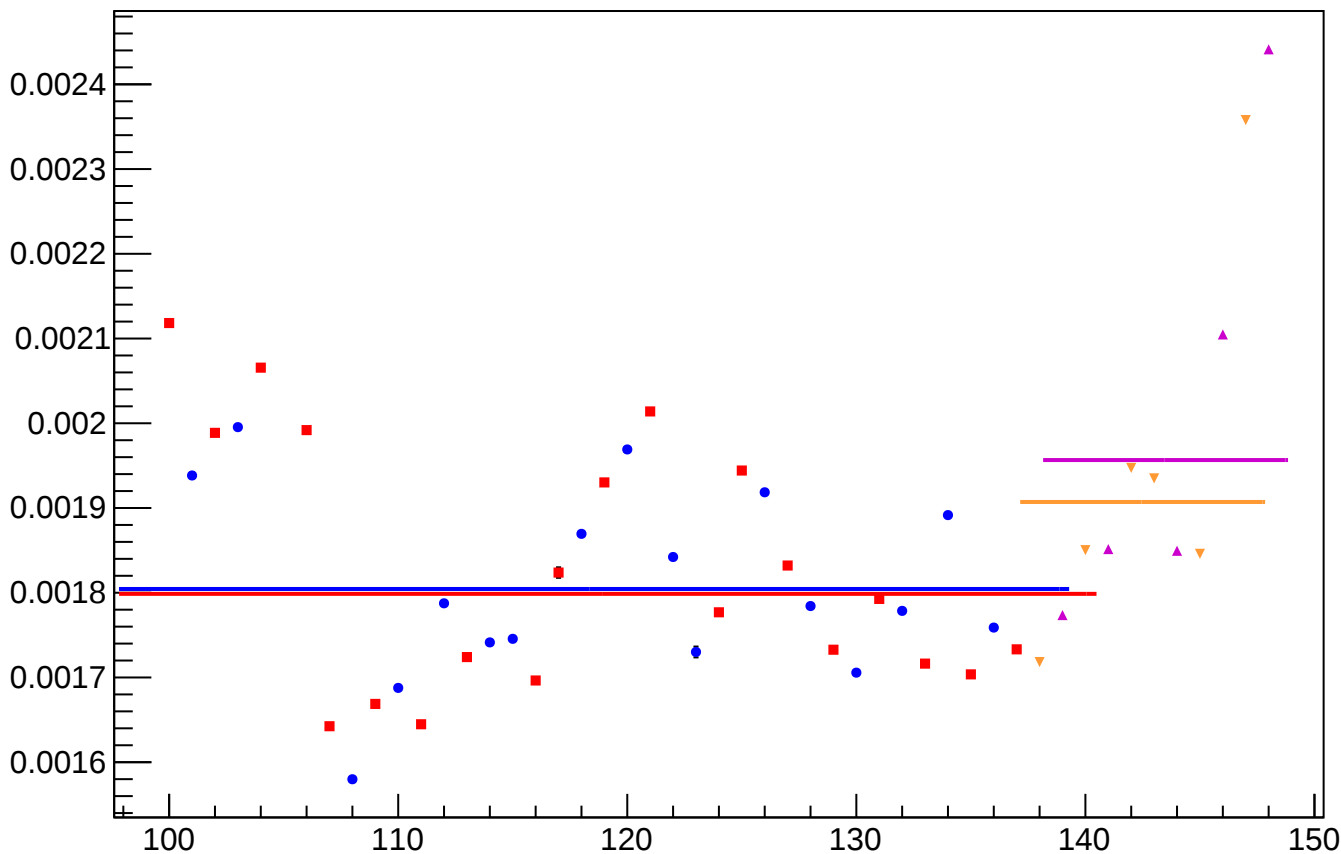
-4.121+/-0.000 χ^2/NDF : 979037072186.5/22

Right Out: -4.438+/-0.000 χ^2/NDF : 326800745779.7/19

-4.175+/-0.000 χ^2/NDF : 825431857229.6/24

Left In: -3.615+/-0.000 χ^2/NDF : 35023280774.8/4

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 : 75224.2/5

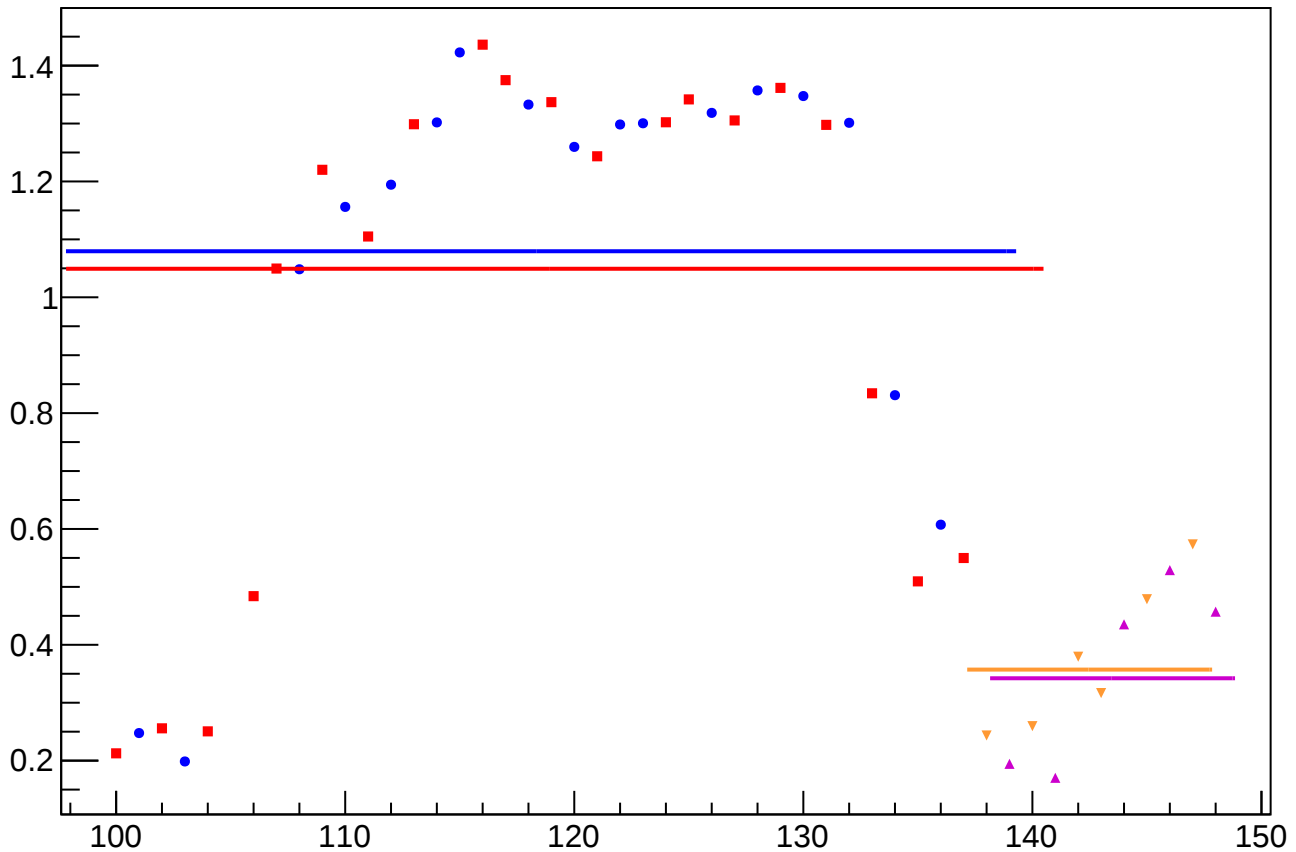
Right Out: 0.002+/-0.000 χ^2/NDF : 81037.5/19

Left In: 0.002+/-0.000 χ^2/NDF : 95005.2/4

0.002+/-0.000 χ^2/NDF : 139189.7/22

0.002+/-0.000 χ^2/NDF : 210132.0/24

yield_bpm2i02X_mean vs Slug



Right In: 1.080 $\pm$ 0.000 χ^2 /NDF: 17533321220.5/16

Left Out: 0.357 $\pm$ 0.000 χ^2 /NDF: 504721142.7/5

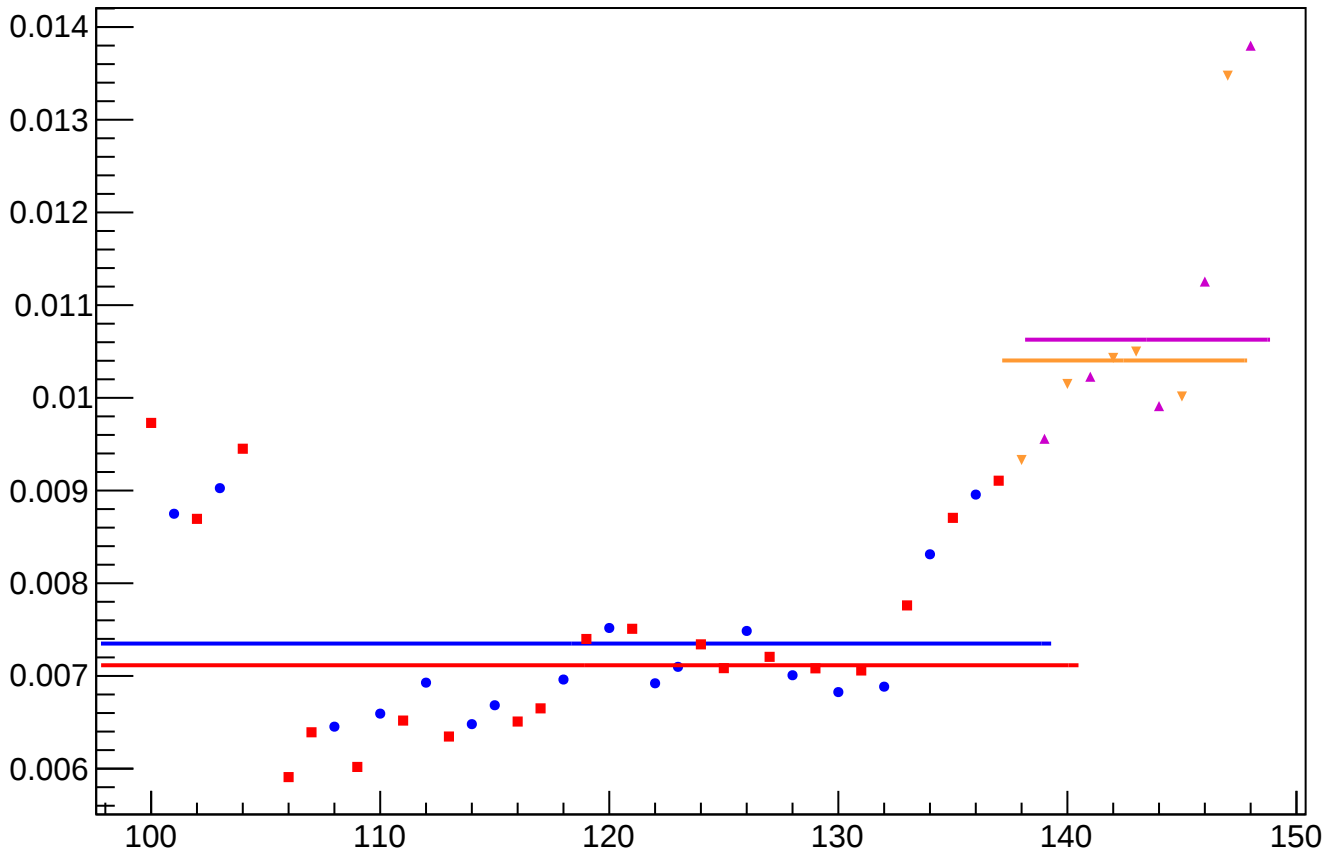
0.909 $\pm$ 0.000 χ^2 /NDF: 33102473271.5/22

Right Out: 1.049 $\pm$ 0.000 χ^2 /NDF: 19787986428.4/19

0.908 $\pm$ 0.000 χ^2 /NDF: 34415866508.2/24

Left In: 0.342 $\pm$ 0.000 χ^2 /NDF: 752137843.9/4

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 :103292.6/5

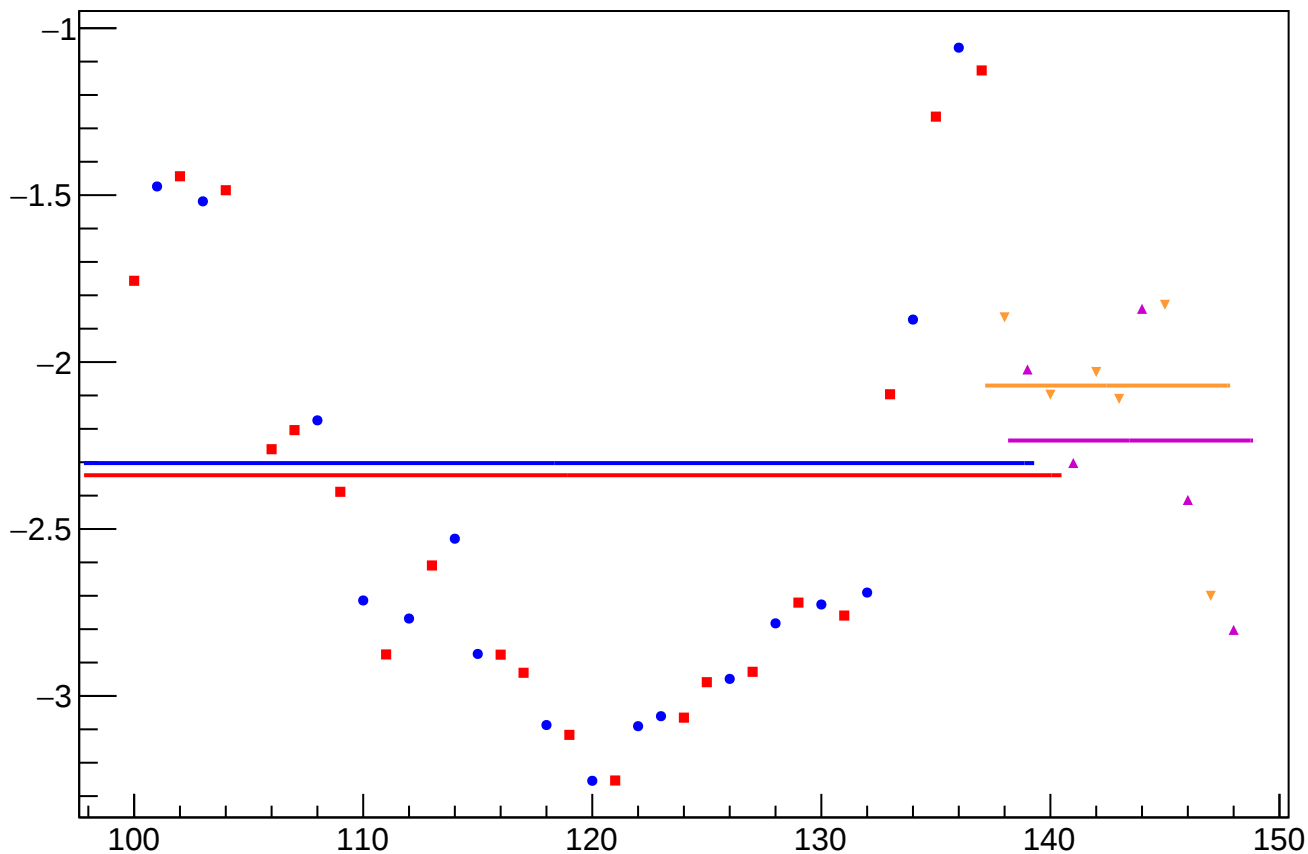
Right Out: 0.007+/-0.000 χ^2/NDF : 259539.3/19

Left In: 0.011+/-0.000 χ^2/NDF :118235.3/4

0.008+/-0.000 χ^2/NDF : 822654.4/22

0.008+/-0.000 χ^2/NDF : 1062561.9/24

yield_bpm2i02Y_mean vs Slug



Right In: -2.303+/-0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.070+/-0.000 χ^2/NDF : 3582075778.1/5

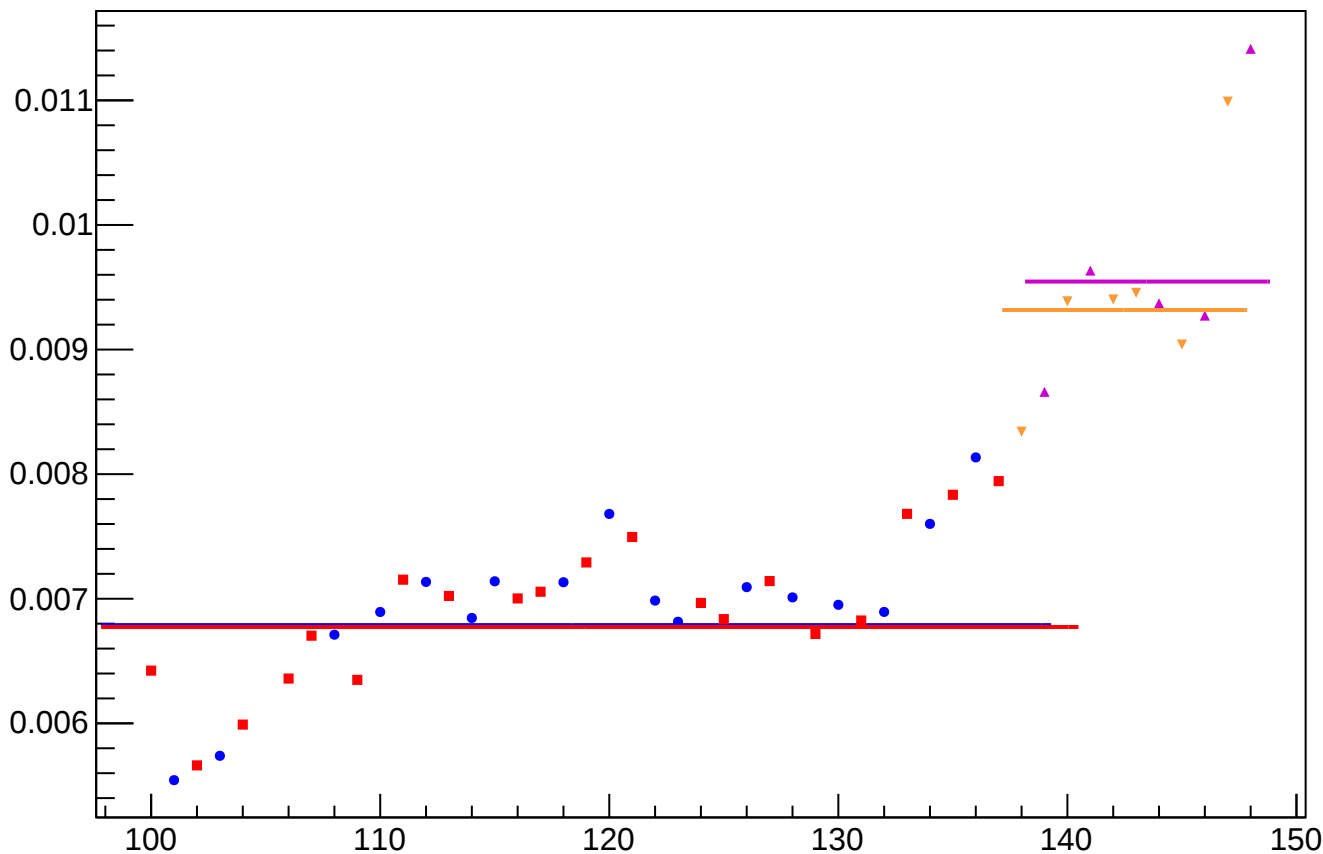
-2.245+/-0.000 χ^2/NDF : 79269681572.0/22

Right Out: -2.339+/-0.000 χ^2/NDF : 64804828308.5/19

-2.316+/-0.000 χ^2/NDF : 69417865762.1/24

Left In: -2.235+/-0.000 χ^2/NDF : 4246129233.7/4

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 : 58154.5/5

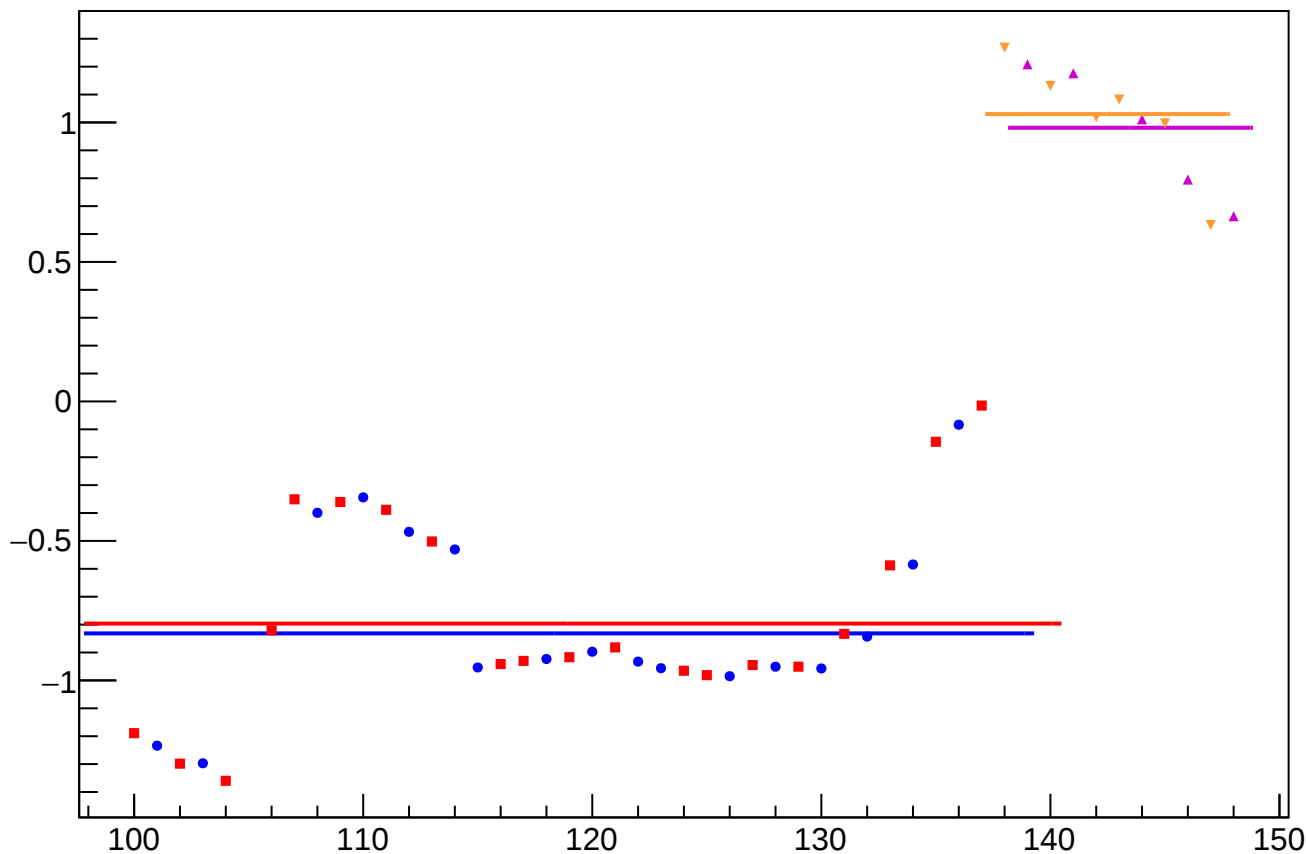
Right Out: 0.007+/-0.000 χ^2/NDF : 123383.6/19

Left In: 0.010+/-0.000 χ^2/NDF : 59257.1/4

0.007+/-0.000 χ^2/NDF : 681678.2/22

0.007+/-0.000 χ^2/NDF : 704194.8/24

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 $\chi^2/\text{NDF}: 6692170860.9/16$

Left Out: 1.030 ± 0.000 $\chi^2/\text{NDF}: 989021960.7/5$

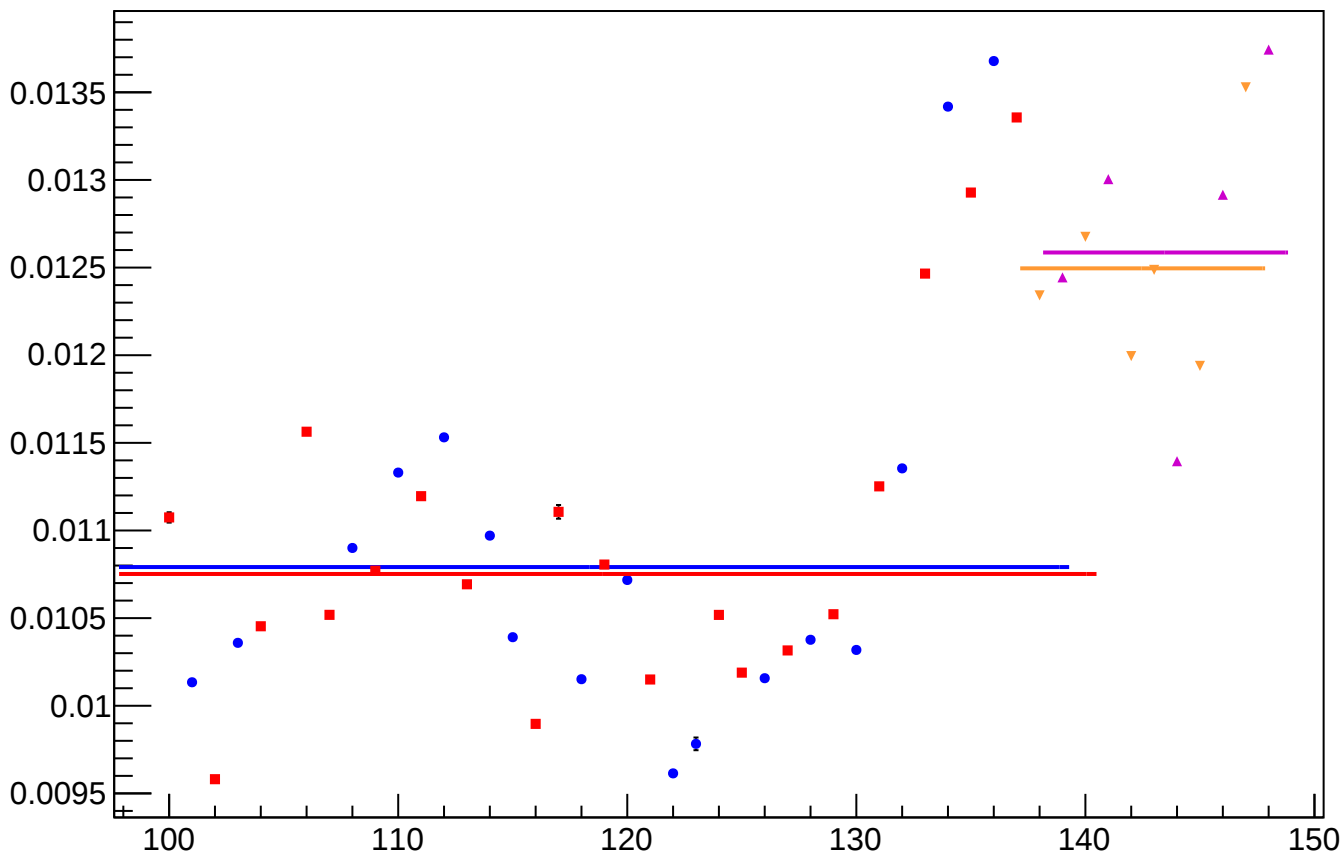
-0.242 ± 0.000 $\chi^2/\text{NDF}: 69620099775.0/22$

Right Out: -0.796 ± 0.000 $\chi^2/\text{NDF}: 7827622544.3/19$

-0.280 ± 0.000 $\chi^2/\text{NDF}: 63862966865.3/24$

Left In: 0.981 ± 0.000 $\chi^2/\text{NDF}: 995704437.1/4$

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 125802.4/16

Left Out: 0.012+/-0.000 χ^2/NDF :14027.1/5

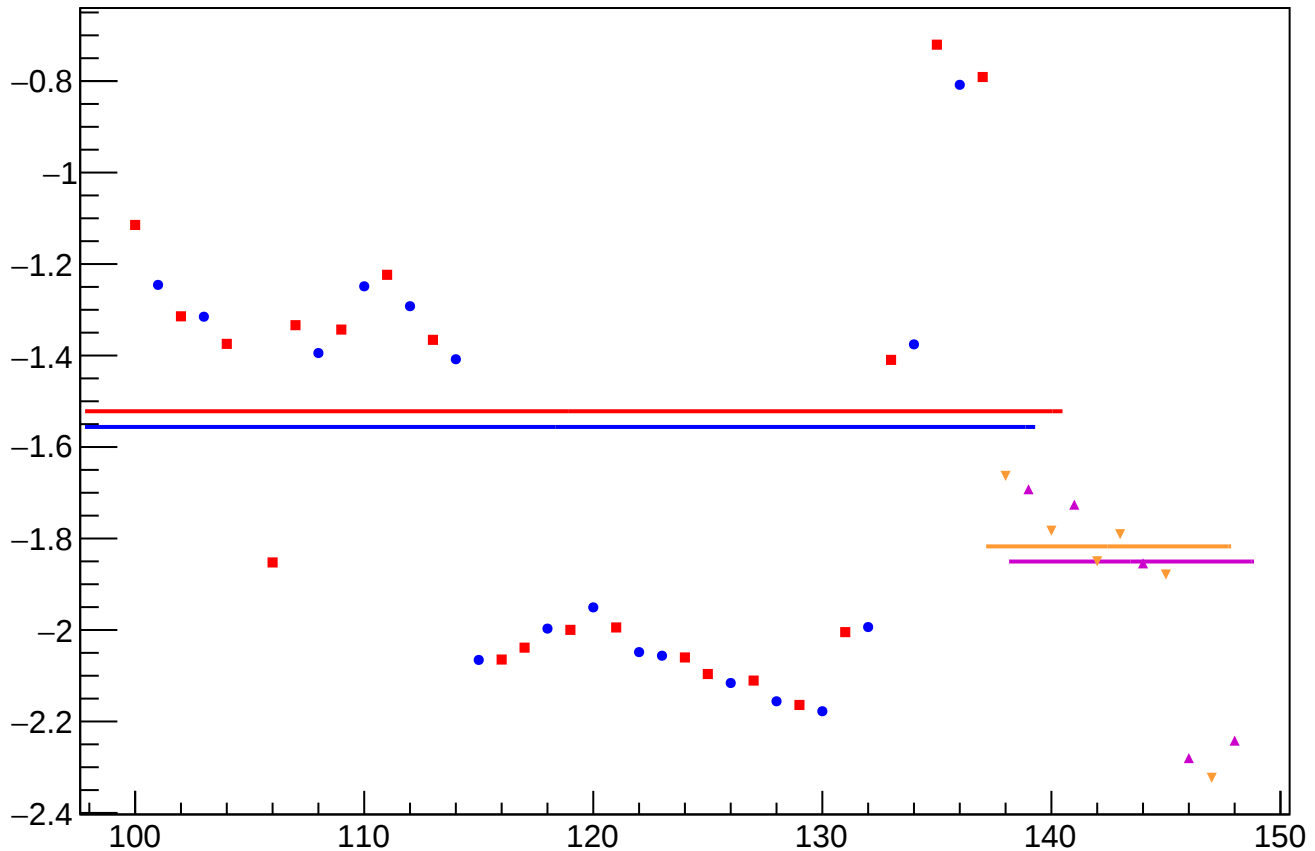
Right Out: 0.011+/-0.000 χ^2/NDF : 90303.3/19

Left In: 0.013+/-0.000 χ^2/NDF :32524.1/4

0.011+/-0.000 χ^2/NDF : 243655.0/22

0.011+/-0.000 χ^2/NDF : 240070.6/24

yield_bpm0i01Y_mean vs Slug



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: -1.817+/-0.000 χ^2/NDF : 10847254864.7/5

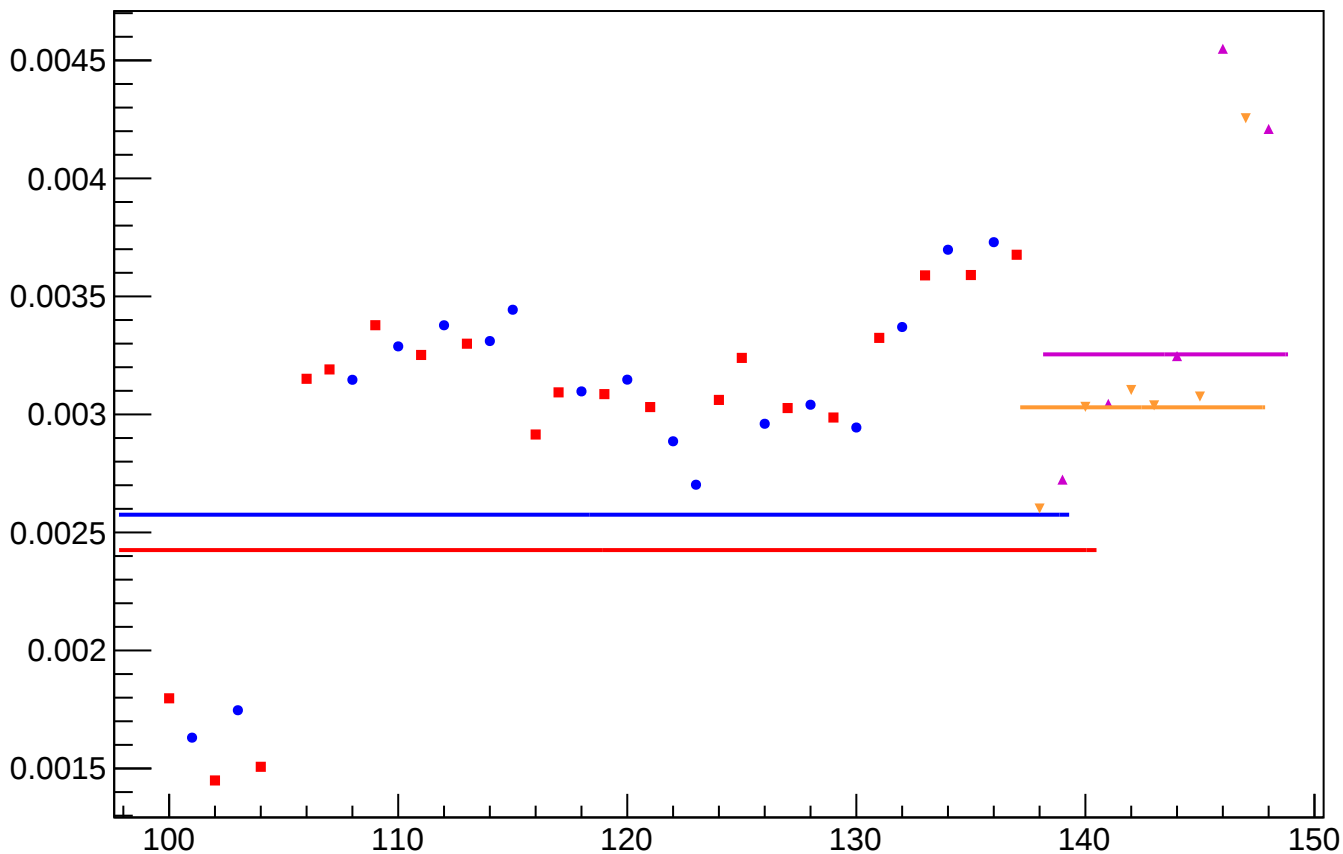
-1.638+/-0.000 χ^2/NDF : 184059546443.2/22

Right Out: -1.522+/-0.000 χ^2/NDF : 139385229659.4/19

-1.601+/-0.000 χ^2/NDF : 177980865392.8/24

Left In: -1.850+/-0.000 χ^2/NDF : 13442530702.5/4

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 :132204.9/5

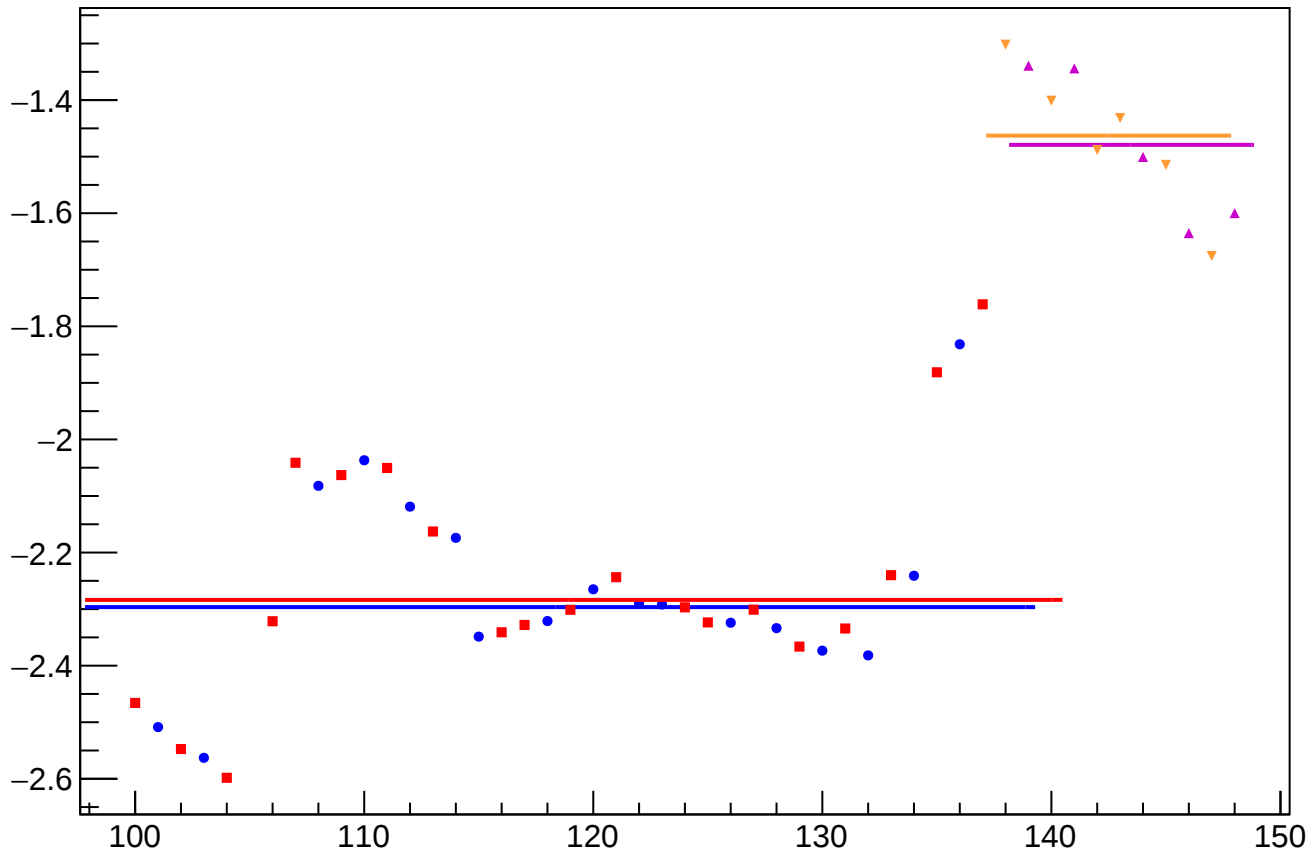
Right Out: 0.002+/-0.000 χ^2/NDF : 1493210.7/19

Left In: 0.003+/-0.000 χ^2/NDF :202868.1/4

0.003+/-0.000 χ^2/NDF : 1256776.0/22

0.003+/-0.000 χ^2/NDF : 2016574.4/24

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -1.463+/-0.000 χ^2/NDF : 714731332.6/5

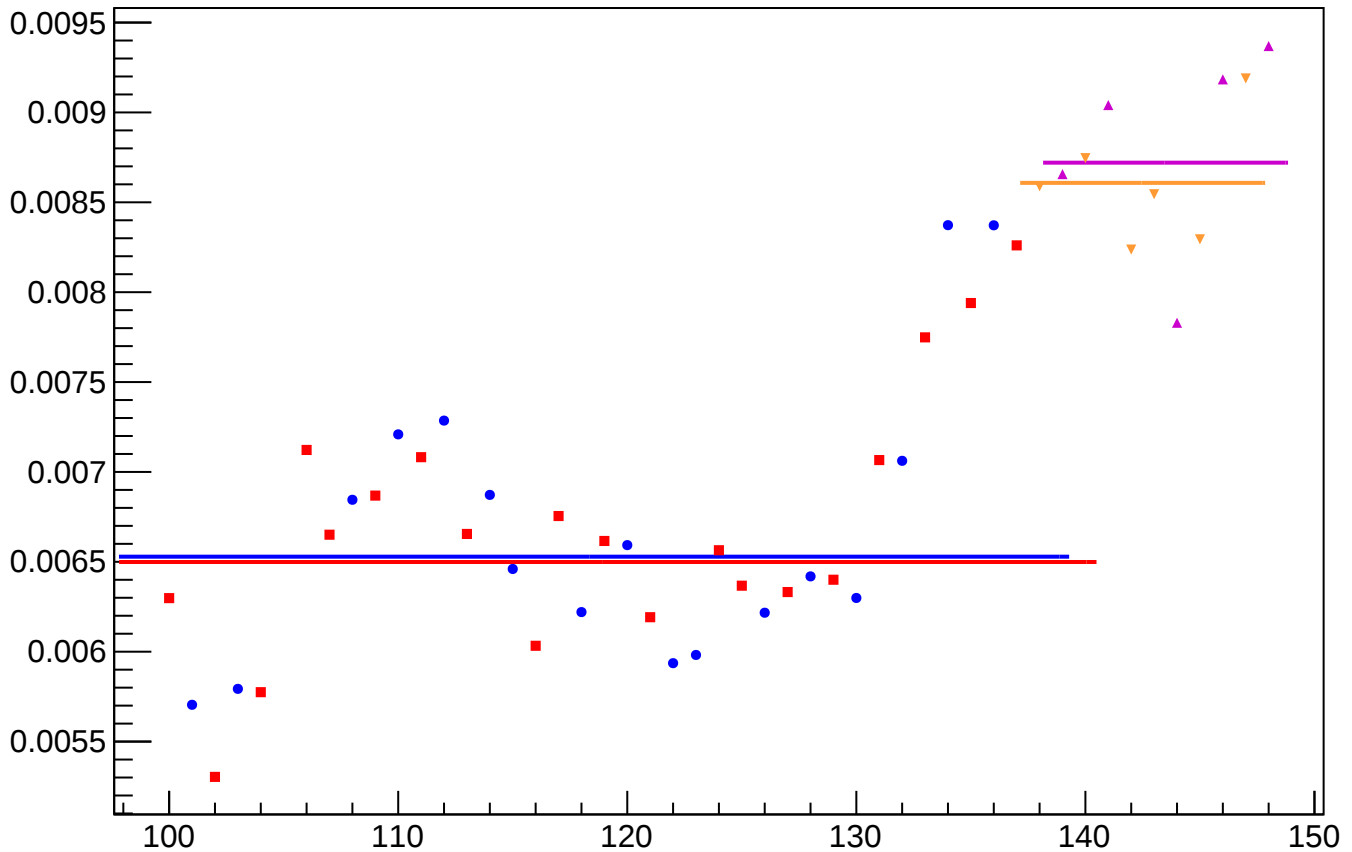
-2.077+/-0.000 χ^2/NDF : 34225768808.7/22

Right Out: -2.284+/-0.000 χ^2/NDF : 6550363990.6/19

-2.094+/-0.000 χ^2/NDF : 31948796588.8/24

Left In: -1.479+/-0.000 χ^2/NDF : 701187735.3/4

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 176467.7/16

Left Out: 0.009+/-0.000 χ^2/NDF :9917.1/5

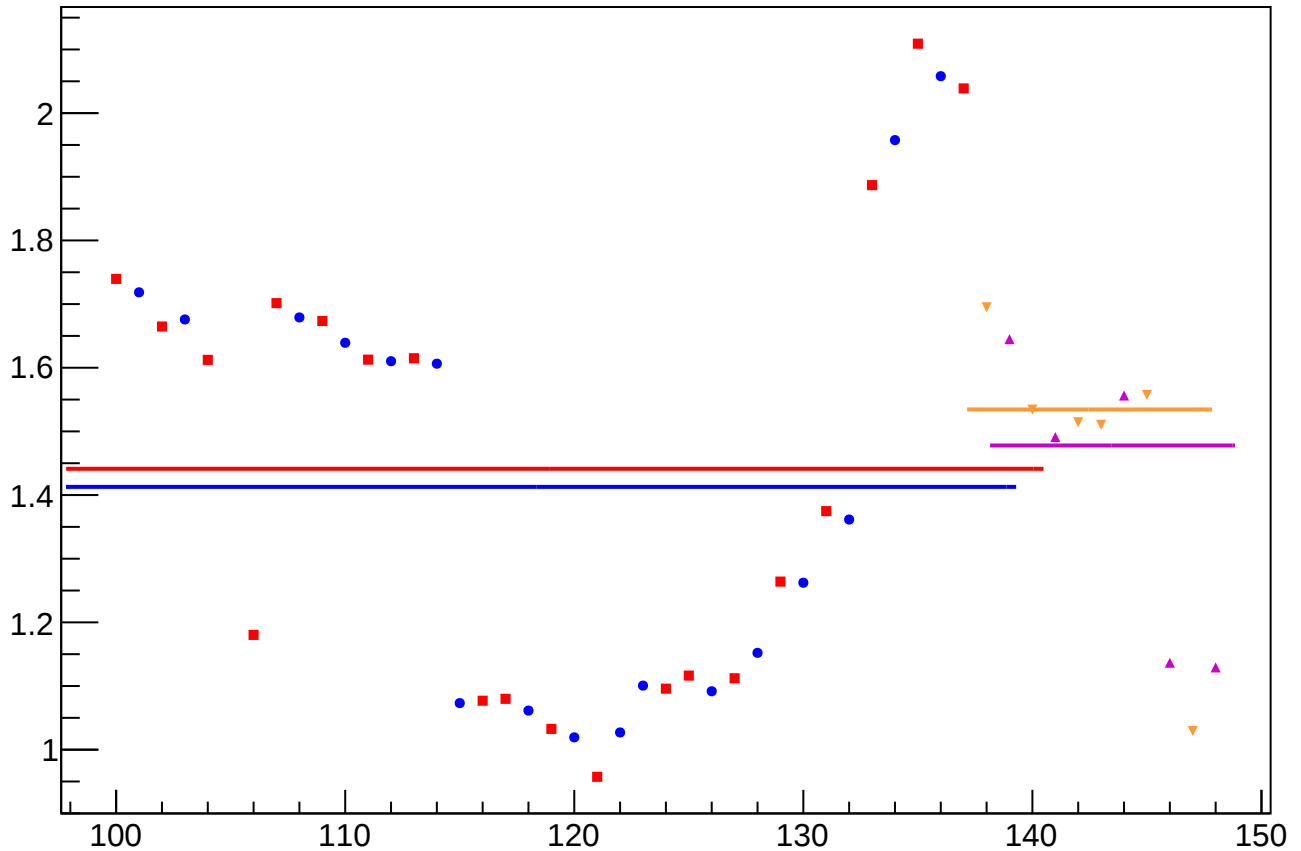
Right Out: 0.006+/-0.000 χ^2/NDF : 164253.8/19

Left In: 0.009+/-0.000 χ^2/NDF :34725.3/4

0.007+/-0.000 χ^2/NDF : 531432.0/22

0.007+/-0.000 χ^2/NDF : 575619.8/24

yield_bpm0i01aY_mean vs Slug



Right In: 1.413 $\pm$ 0.000 χ^2/NDF : 172560306608.0/16

Left Out: 1.534 $\pm$ 0.000 χ^2/NDF : 3880069431.6/5

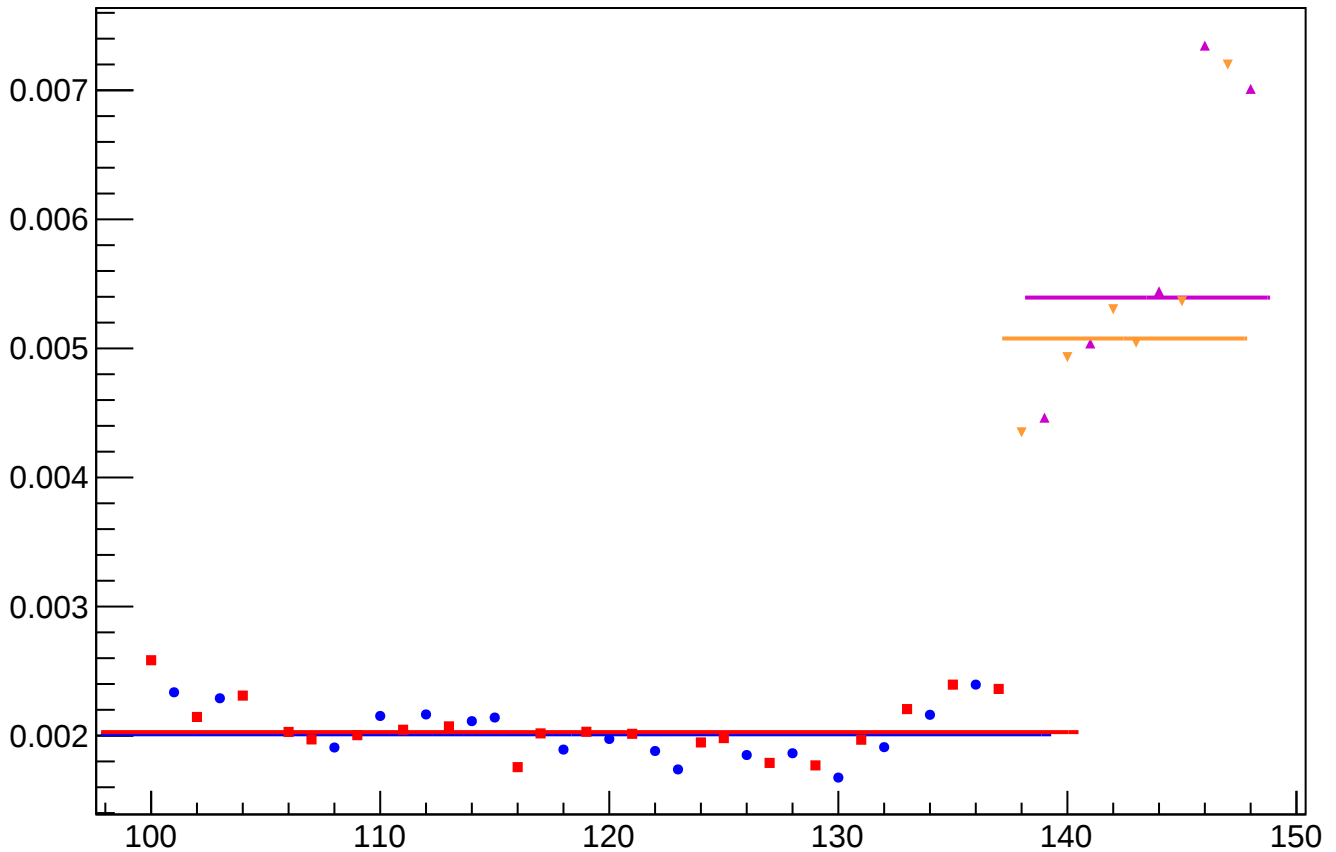
1.423 $\pm$ 0.000 χ^2/NDF : 178383495280.5/22

Right Out: 1.441 $\pm$ 0.000 χ^2/NDF : 174346888744.4/19

1.444 $\pm$ 0.000 χ^2/NDF : 178421993013.0/24

Left In: 1.478 $\pm$ 0.000 χ^2/NDF : 3928771532.2/4

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 152530.4/16

Left Out: 0.005+/-0.000 χ^2/NDF : 147978.1/5

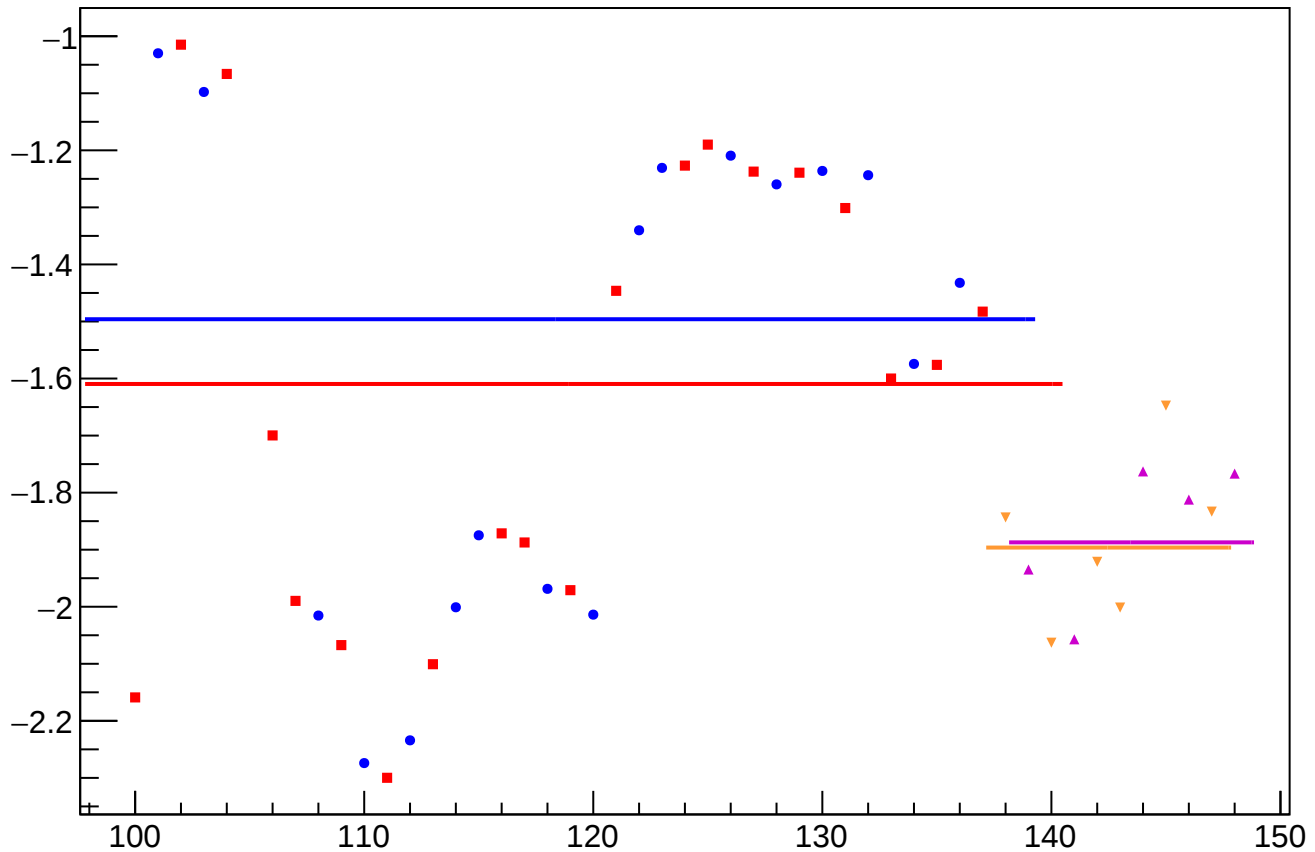
Right Out: 0.002+/-0.000 χ^2/NDF : 103927.8/19

Left In: 0.005+/-0.000 χ^2/NDF : 214025.0/4

0.002+/-0.000 χ^2/NDF : 2771252.1/22

0.002+/-0.000 χ^2/NDF : 2788677.7/24

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.896+/-0.000 χ^2/NDF : 2392421624.2/5

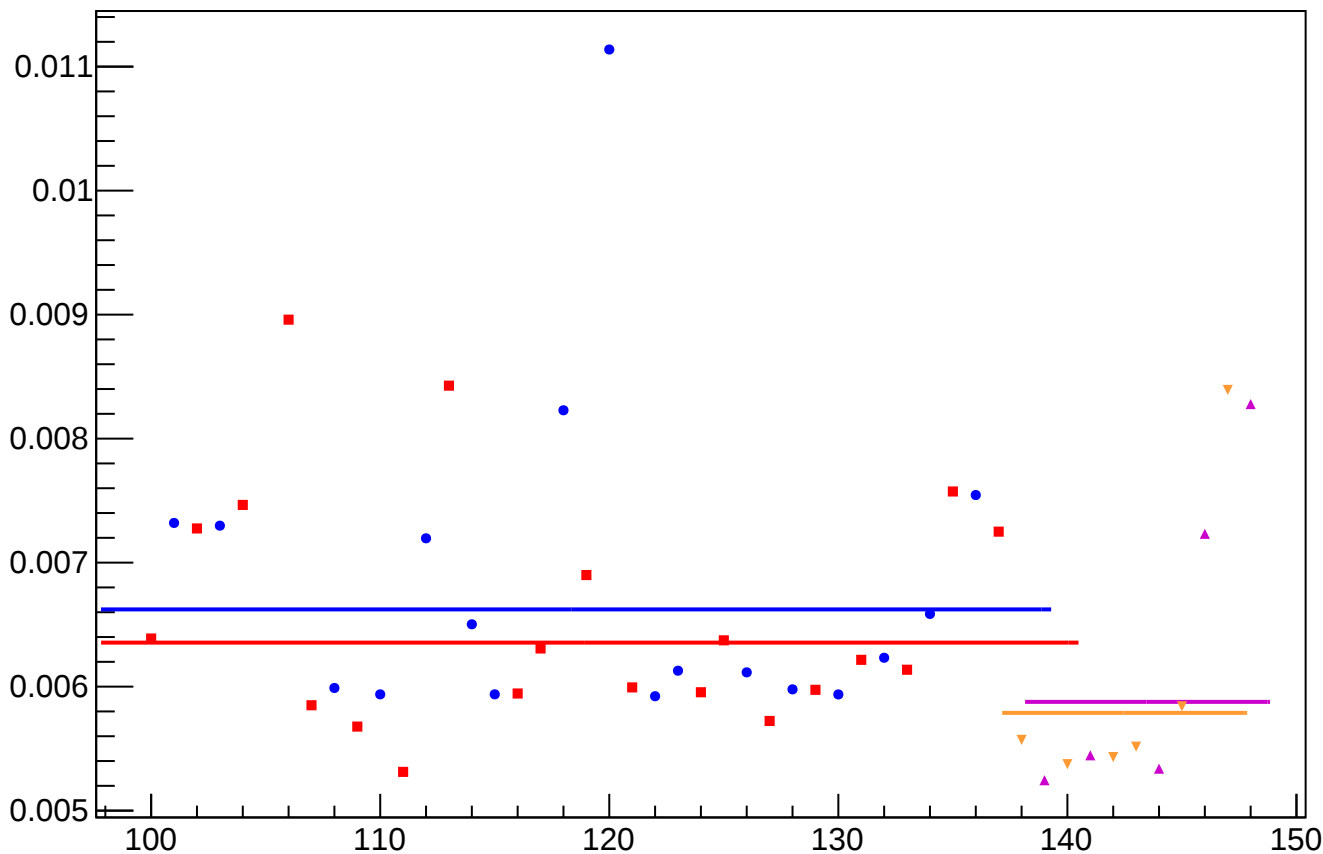
-1.678+/-0.000 χ^2/NDF : 35042194137.9/22

Right Out: -1.610+/-0.000 χ^2/NDF : 27919840690.9/19

-1.718+/-0.000 χ^2/NDF : 34375388188.2/24

Left In: -1.887+/-0.000 χ^2/NDF : 1531229441.6/4

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 :152491.6/5

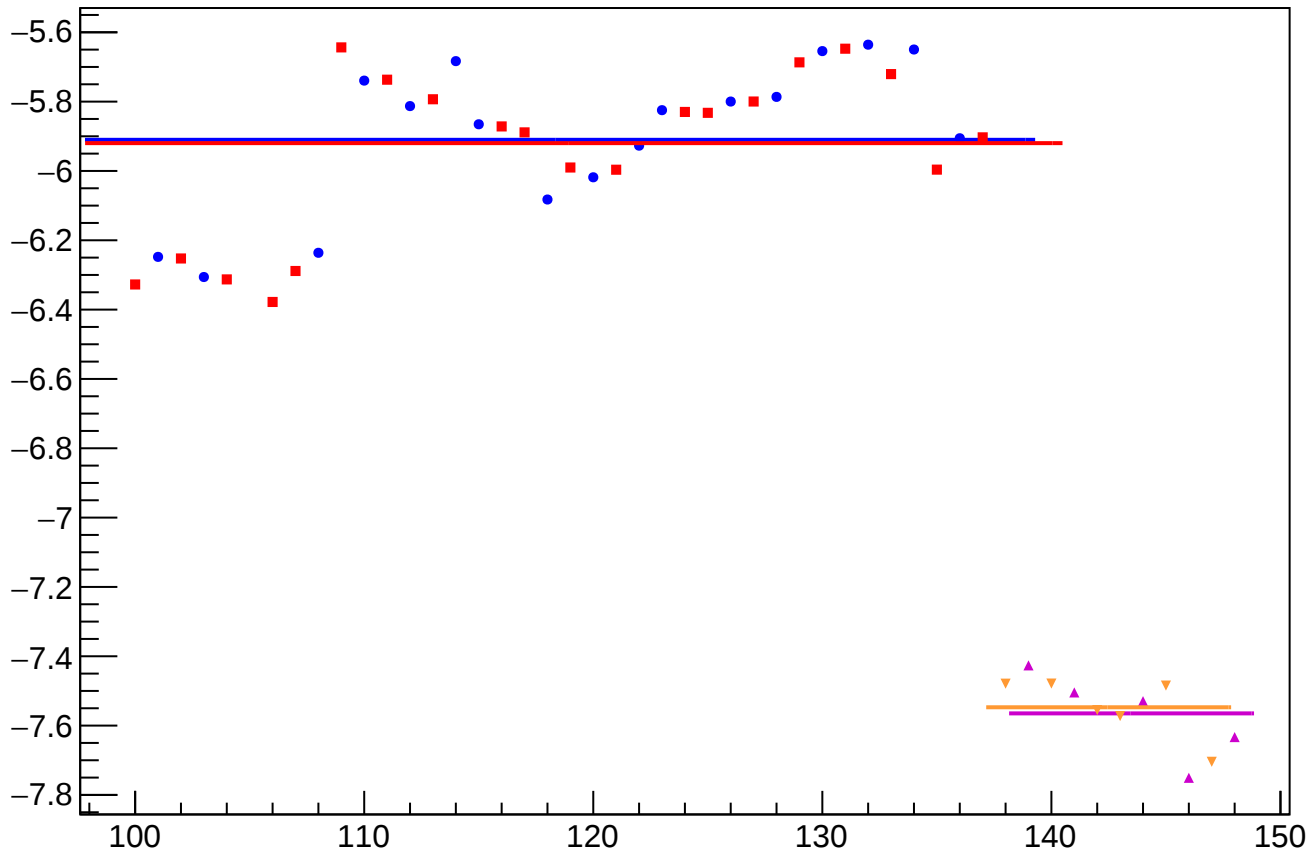
Right Out: 0.006+/-0.000 χ^2/NDF : 227865.9/19

Left In: 0.006+/-0.000 χ^2/NDF :215137.4/4

0.006+/-0.000 χ^2/NDF : 473127.9/22

0.006+/-0.000 χ^2/NDF : 472180.6/24

yield_bpm0l01Y_mean vs Slug



Right In: -5.910+/-0.000 χ^2/NDF : 11154434512.7/16

Left Out: -7.547+/-0.000 χ^2/NDF : 351746748.3/5

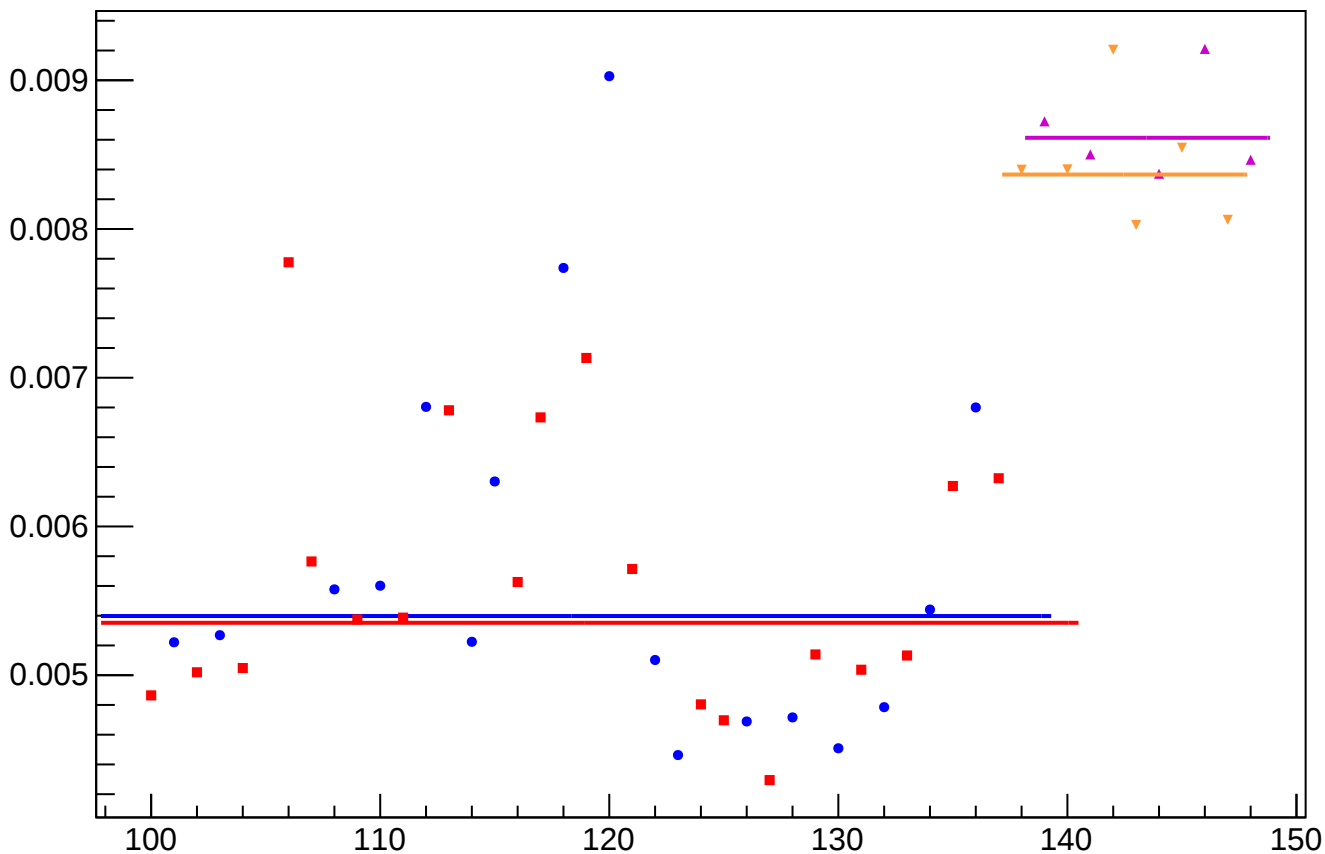
Right Out: -5.920+/-0.000 χ^2/NDF : 12786449843.6/19

Left In: -7.565+/-0.000 χ^2/NDF : 488115074.1/4

-6.226+/-0.000 χ^2/NDF : 116385203335.3/22

-6.197+/-0.000 χ^2/NDF : 115146379970.3/24

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 :10535.5/5

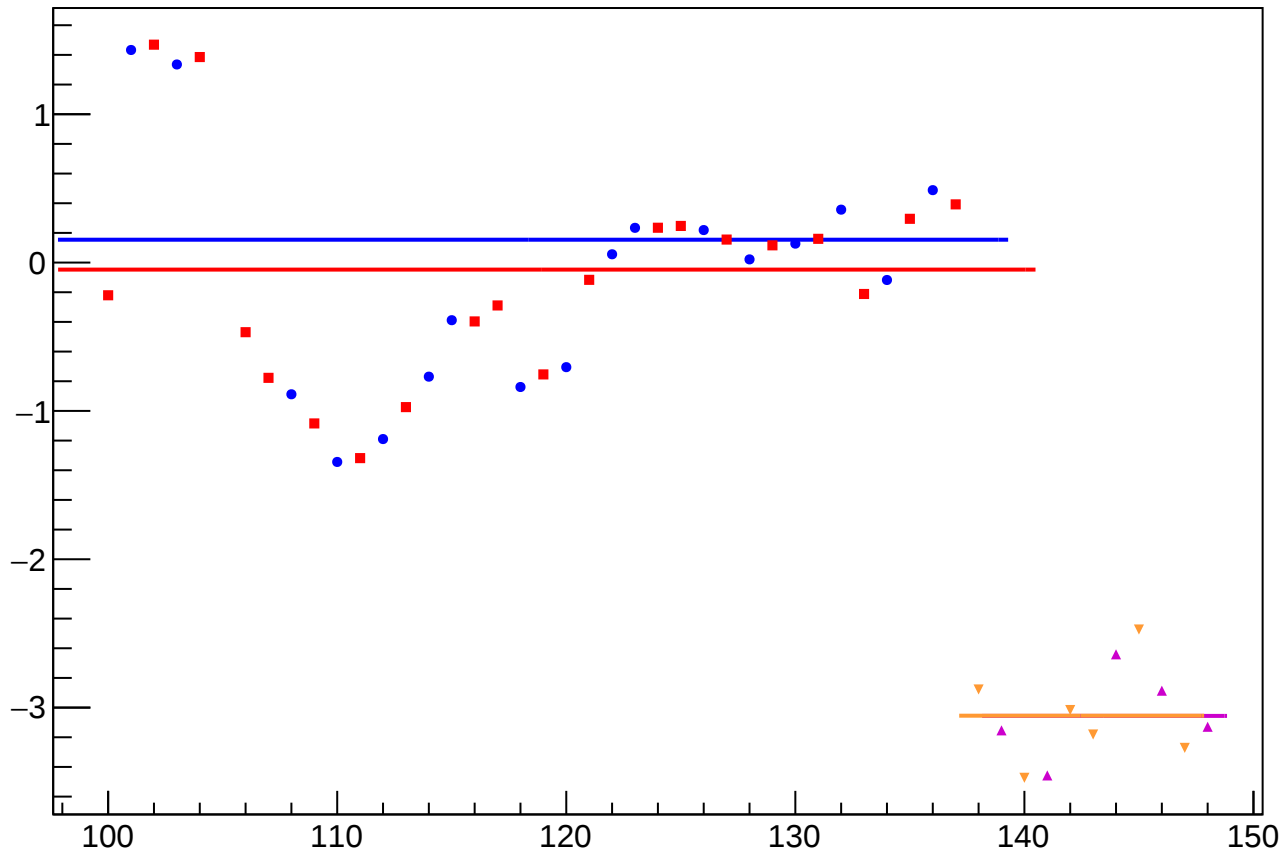
Right Out: 0.005+/-0.000 χ^2/NDF : 252664.1/19

Left In: 0.009+/-0.000 χ^2/NDF :7332.1/4

0.006+/-0.000 χ^2/NDF : 1071582.3/22

0.006+/-0.000 χ^2/NDF : 1060540.1/24

yield_bpm0l02X_mean vs Slug



Right In: 0.154+/-0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.055+/-0.000 χ^2/NDF : 1461244698.3/5

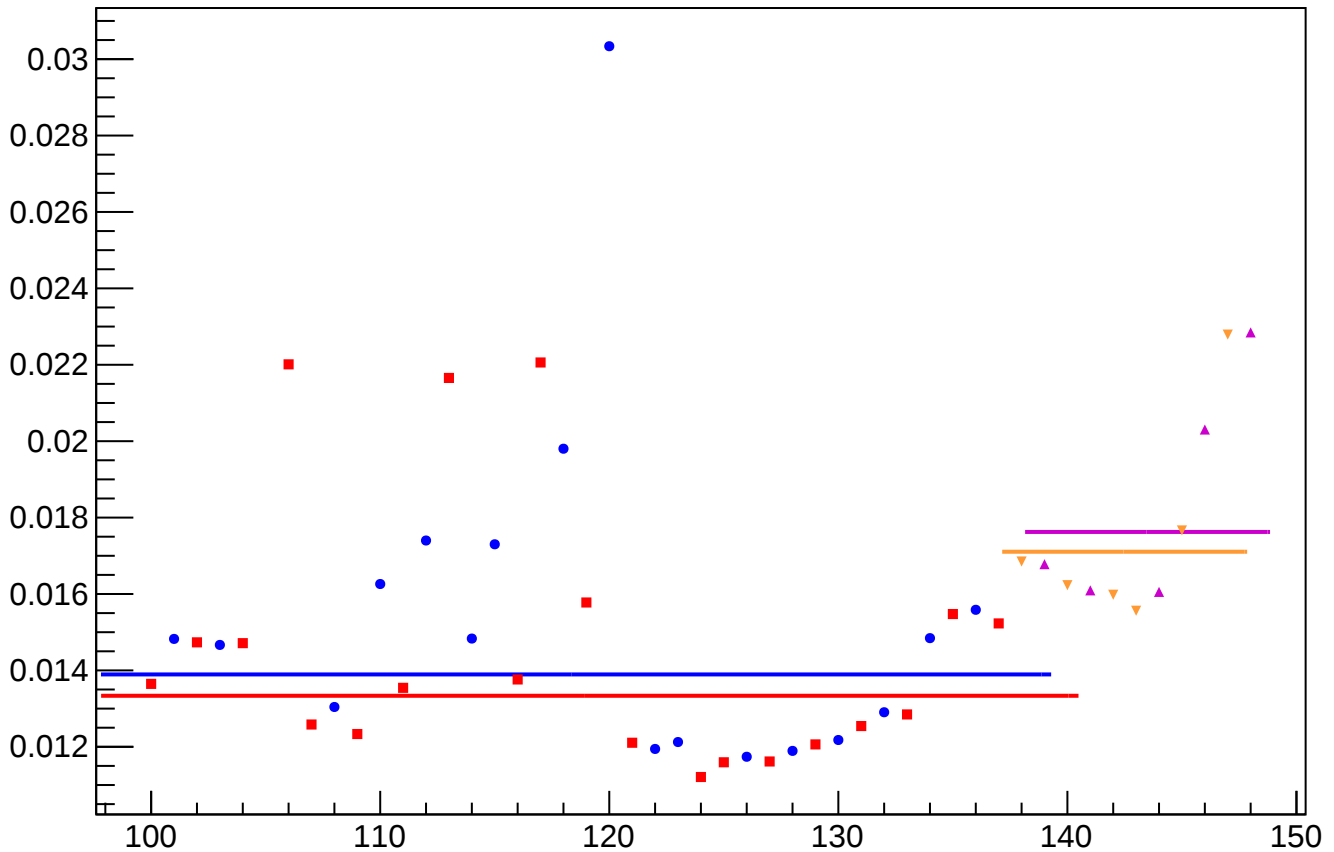
-0.810+/-0.000 χ^2/NDF : 113295630086.0/22

Right Out: -0.047+/-0.000 χ^2/NDF : 21216074494.2/19

-0.781+/-0.000 χ^2/NDF : 102891794216.3/24

Left In: -3.056+/-0.000 χ^2/NDF : 1136018329.6/4

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 400569.4/16

Left Out: 0.017+/-0.000 χ^2/NDF :110556.9/5

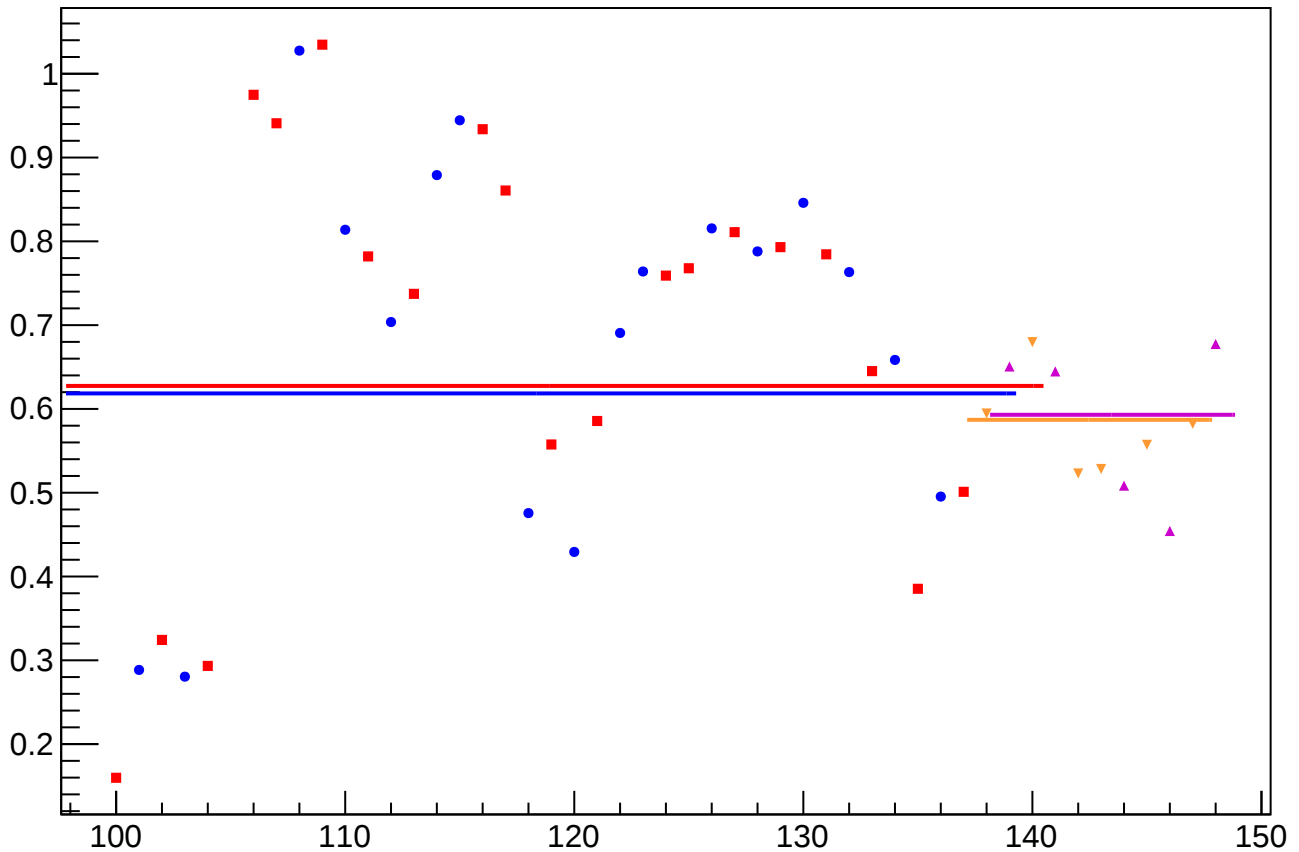
Right Out: 0.013+/-0.000 χ^2/NDF : 303459.9/19

Left In: 0.018+/-0.000 χ^2/NDF :134011.2/4

0.015+/-0.000 χ^2/NDF : 701188.2/22

0.014+/-0.000 χ^2/NDF : 764697.8/24

yield_bpm0l02Y_mean vs Slug



Right In: 0.619+/-0.000 χ^2/NDF : 5416939288.1/16

Left Out: 0.587+/-0.000 χ^2/NDF : 215157281.3/5

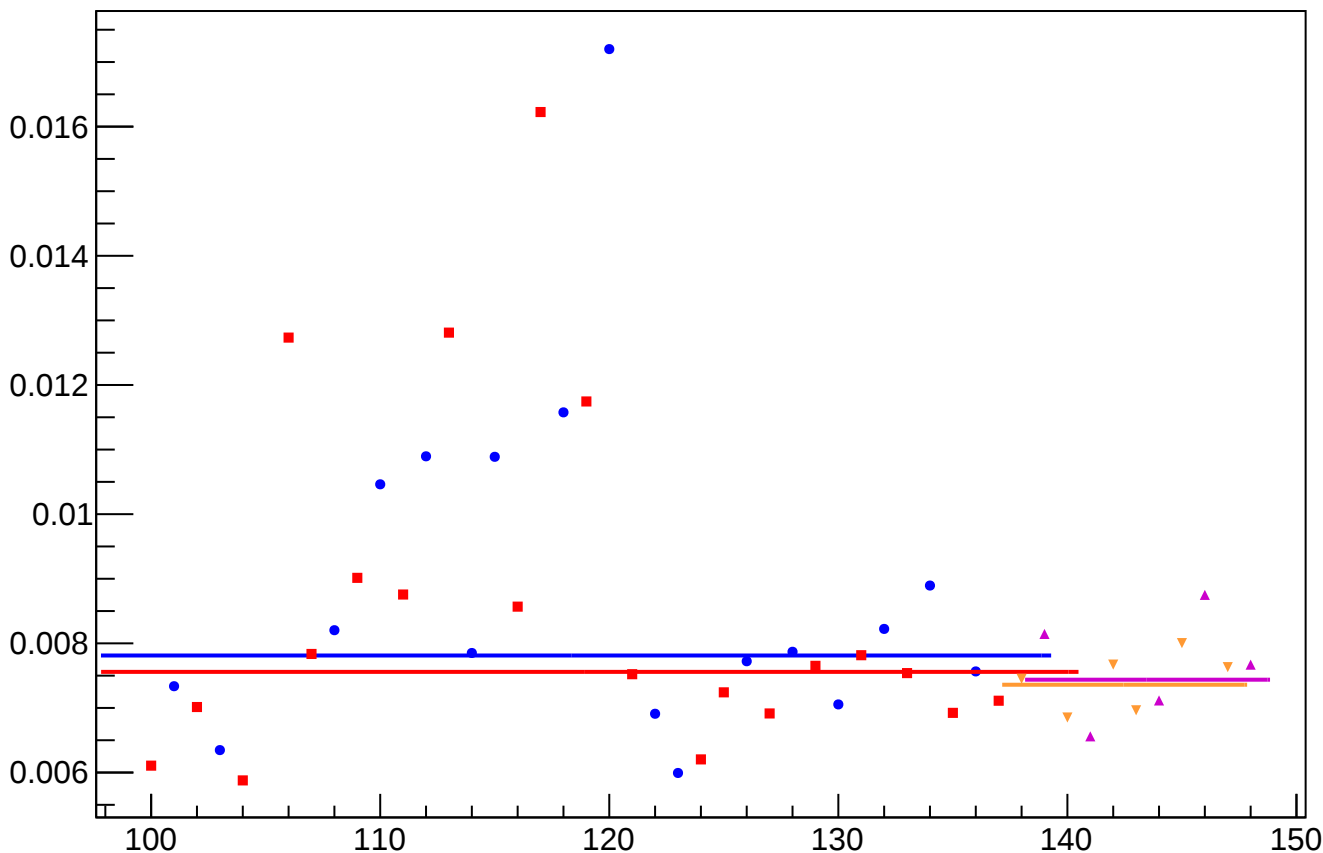
Right Out: 0.627+/-0.000 χ^2/NDF : 6345684740.0/19

Left In: 0.593+/-0.000 χ^2/NDF : 455604076.1/4

0.605+/-0.000 χ^2/NDF : 5671584347.5/22

0.615+/-0.000 χ^2/NDF : 6849711752.4/24

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 :23631.9/5

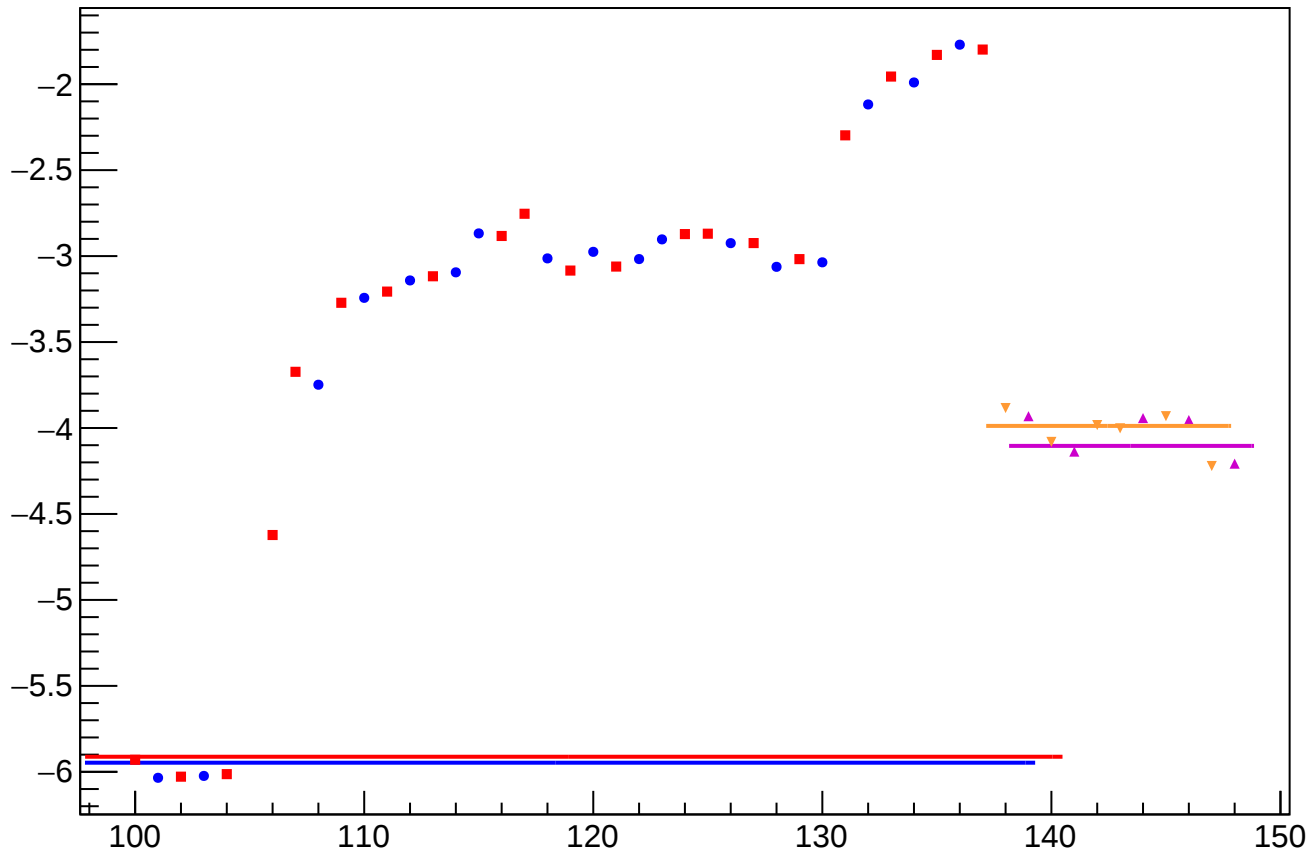
Right Out: 0.008+/-0.000 χ^2/NDF : 463232.7/19

Left In: 0.007+/-0.000 χ^2/NDF :73692.9/4

0.008+/-0.000 χ^2/NDF : 506759.3/22

0.008+/-0.000 χ^2/NDF : 538123.7/24

yield_bpm0l03X_mean vs Slug



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -3.988+/-0.000 χ^2/NDF : 4374183.9/5

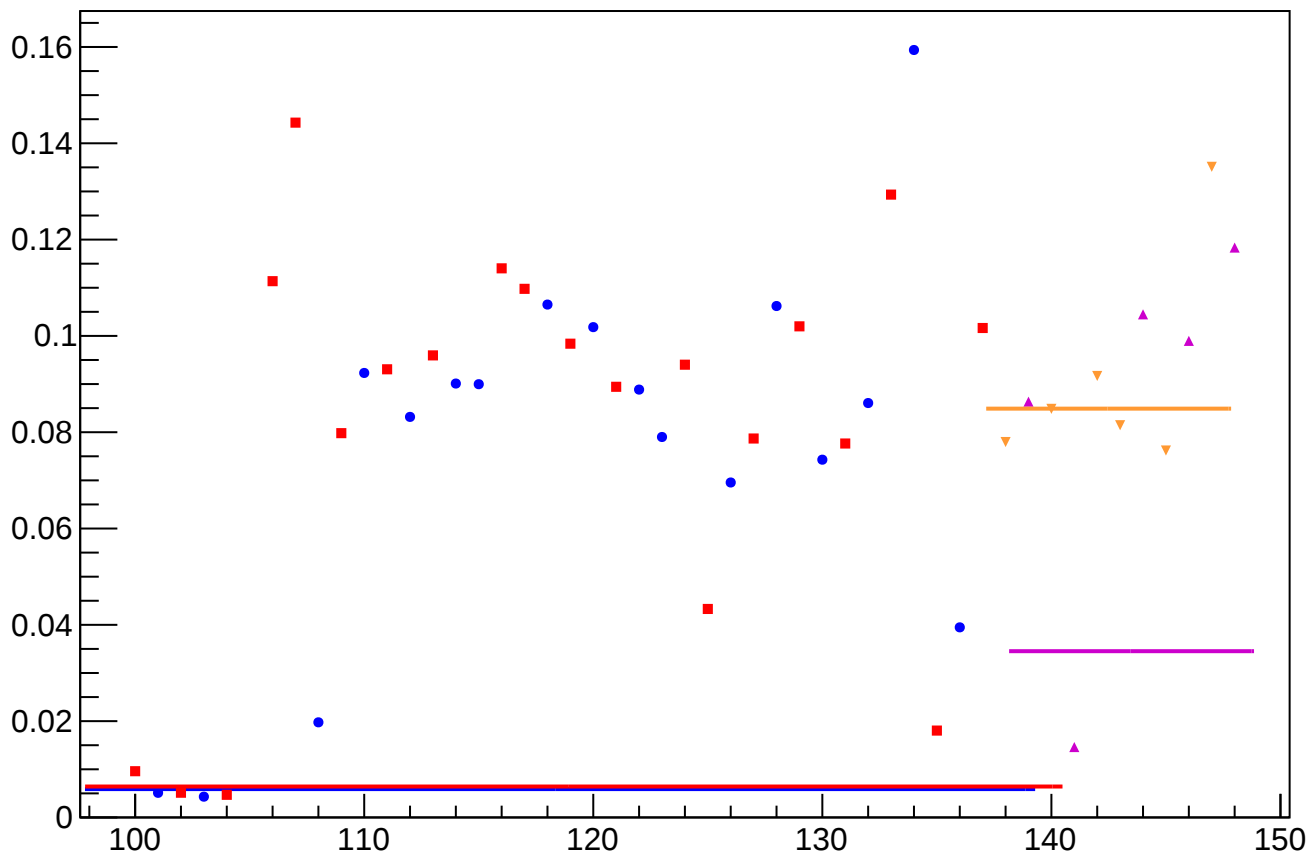
-5.926+/-0.000 χ^2/NDF : 15091308644.3/22

Right Out: -5.912+/-0.000 χ^2/NDF : 14648055548.9/19

-5.860+/-0.000 χ^2/NDF : 18256681559.8/24

Left In: -4.104+/-0.000 χ^2/NDF : 7004447.4/4

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 7934545.2/16

Left Out: 0.085+/-0.000 χ^2/NDF : 219339.8/5

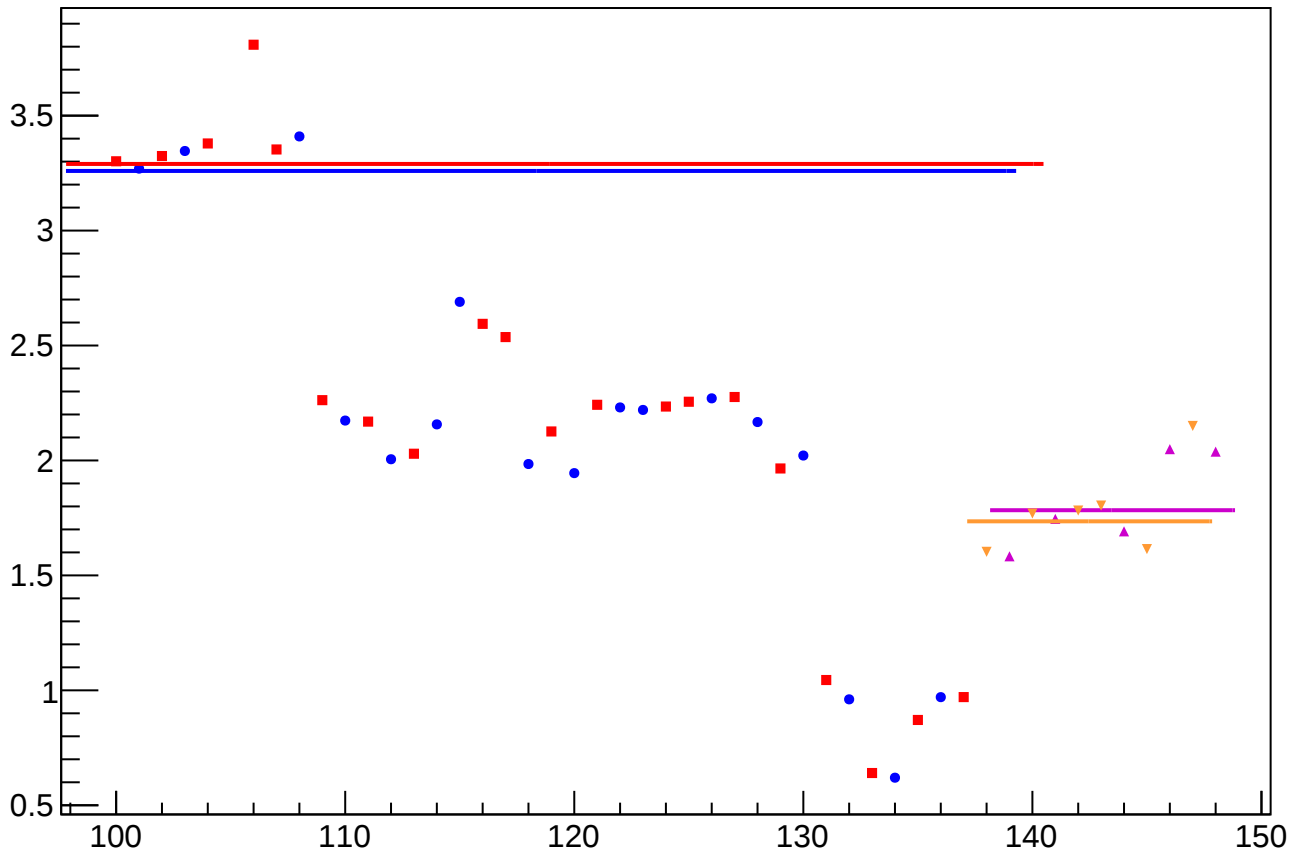
Right Out: 0.006+/-0.000 χ^2/NDF : 8558731.2/19

Left In: 0.035+/-0.000 χ^2/NDF : 3062822.1/4

0.007+/-0.000 χ^2/NDF : 14402010.2/22

0.007+/-0.000 χ^2/NDF : 13361734.0/24

yield_bpm0l03Y_mean vs Slug



Right In: 3.259+/-0.000 χ^2/NDF : 2921931976.8/16

Left Out: 1.735+/-0.000 χ^2/NDF : 9885265.5/5

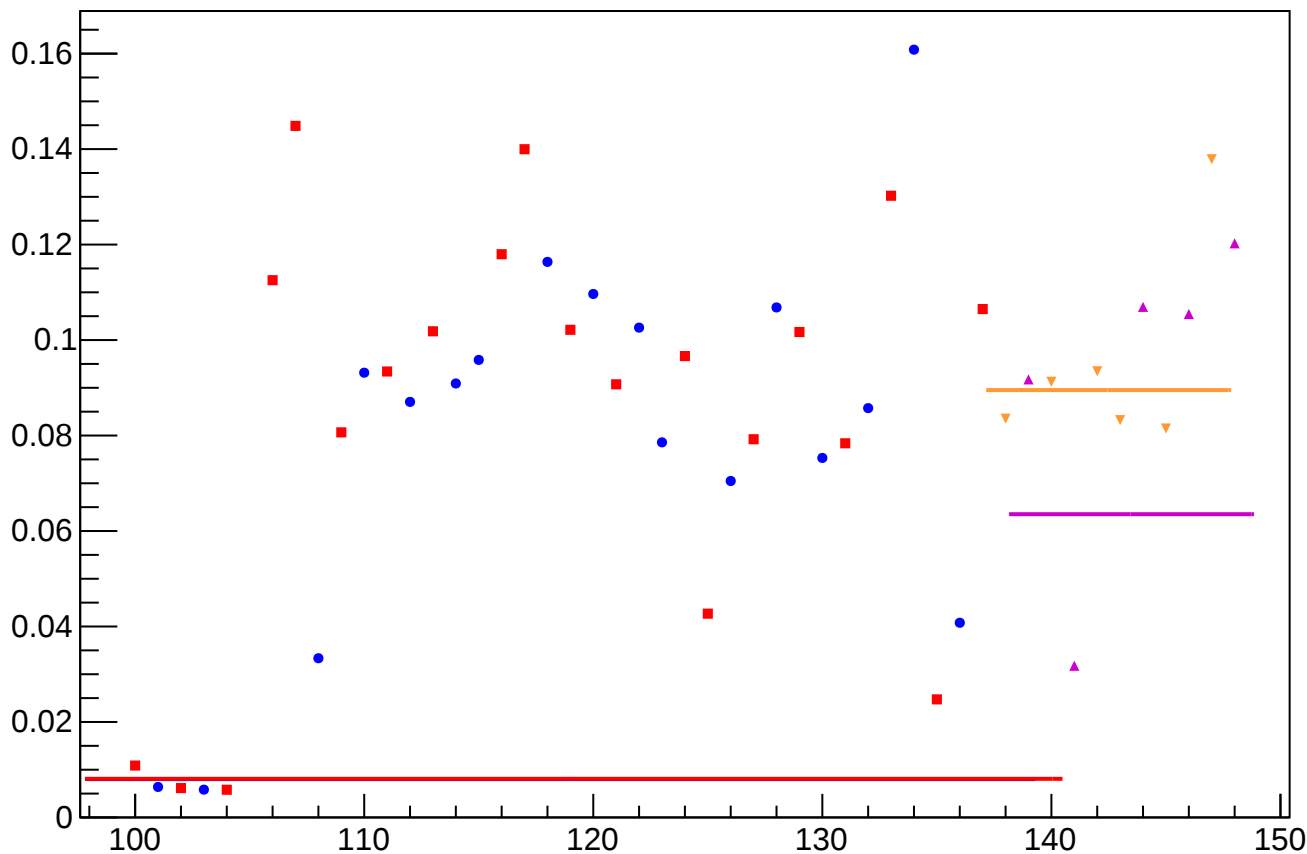
3.236+/-0.000 χ^2/NDF : 3979278710.5/22

Right Out: 3.290+/-0.000 χ^2/NDF : 3263300926.6/19

3.259+/-0.000 χ^2/NDF : 4519280758.8/24

Left In: 1.784+/-0.000 χ^2/NDF : 11214102.3/4

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 7742048.1/16

Left Out: 0.090+/-0.000 χ^2/NDF :193118.0/5

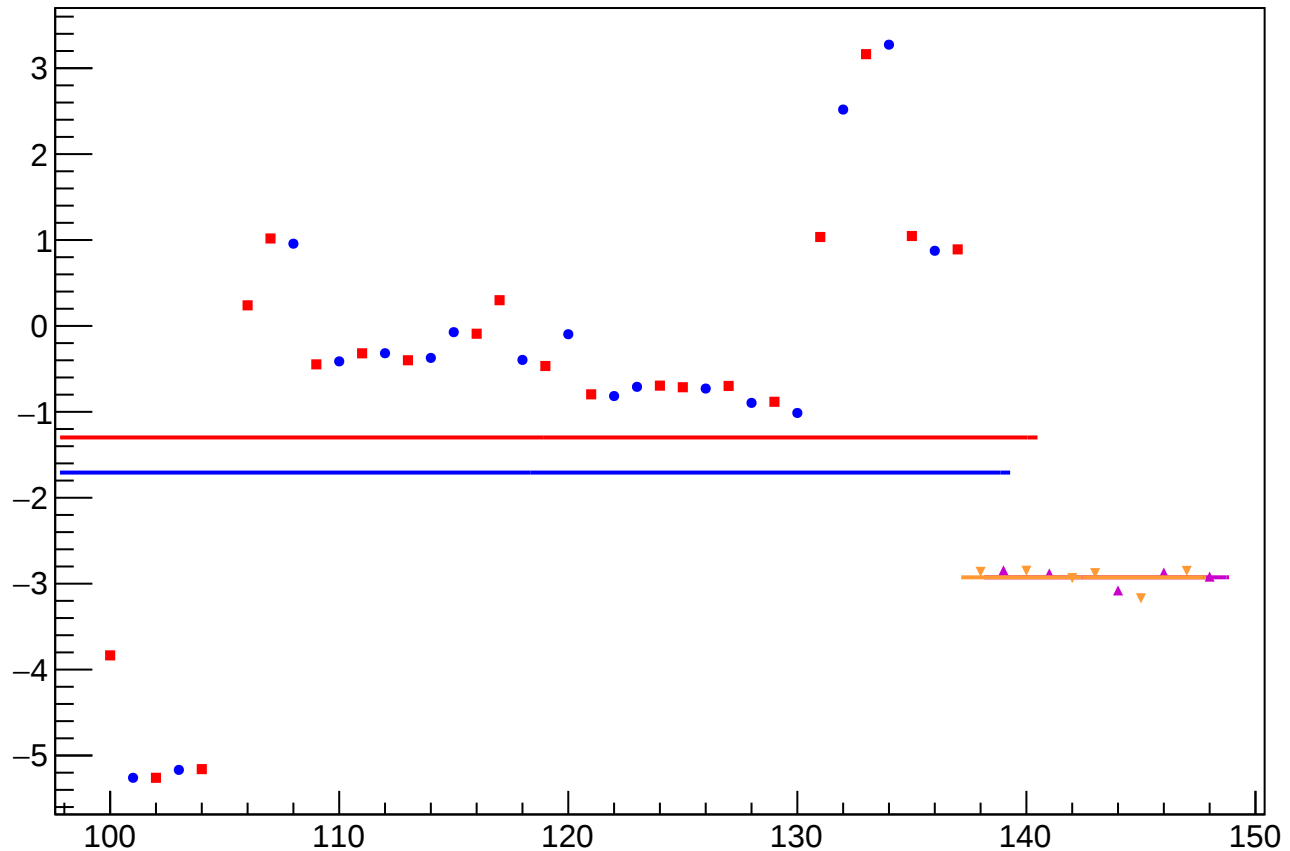
Right Out: 0.008+/-0.000 χ^2/NDF : 8375005.0/19

Left In: 0.064+/-0.000 χ^2/NDF :1535489.0/4

0.009+/-0.000 χ^2/NDF : 13921215.8/22

0.009+/-0.000 χ^2/NDF : 13281531.2/24

yield_bpm0l04X_mean vs Slug



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.926+/-0.000 χ^2/NDF : 994071778.3/5

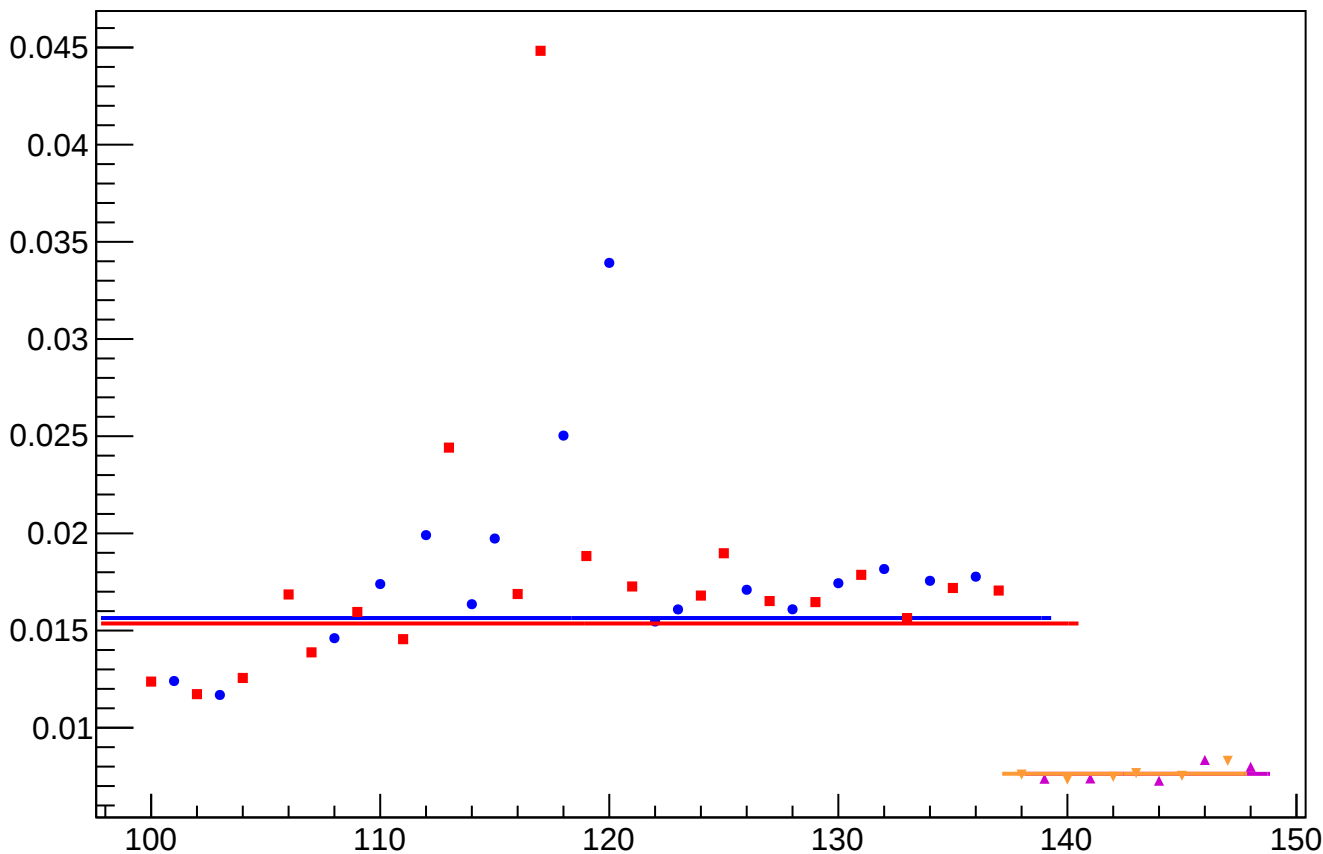
-2.622+/-0.000 χ^2/NDF : 192662934783.4/22

Right Out: -1.298+/-0.000 χ^2/NDF : 178085926993.4/19

-2.461+/-0.000 χ^2/NDF : 228462677837.6/24

Left In: -2.926+/-0.000 χ^2/NDF : 510740563.2/4

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 578244.3/16

Left Out: 0.010+/-0.000 χ^2/NDF : 13011.1/5

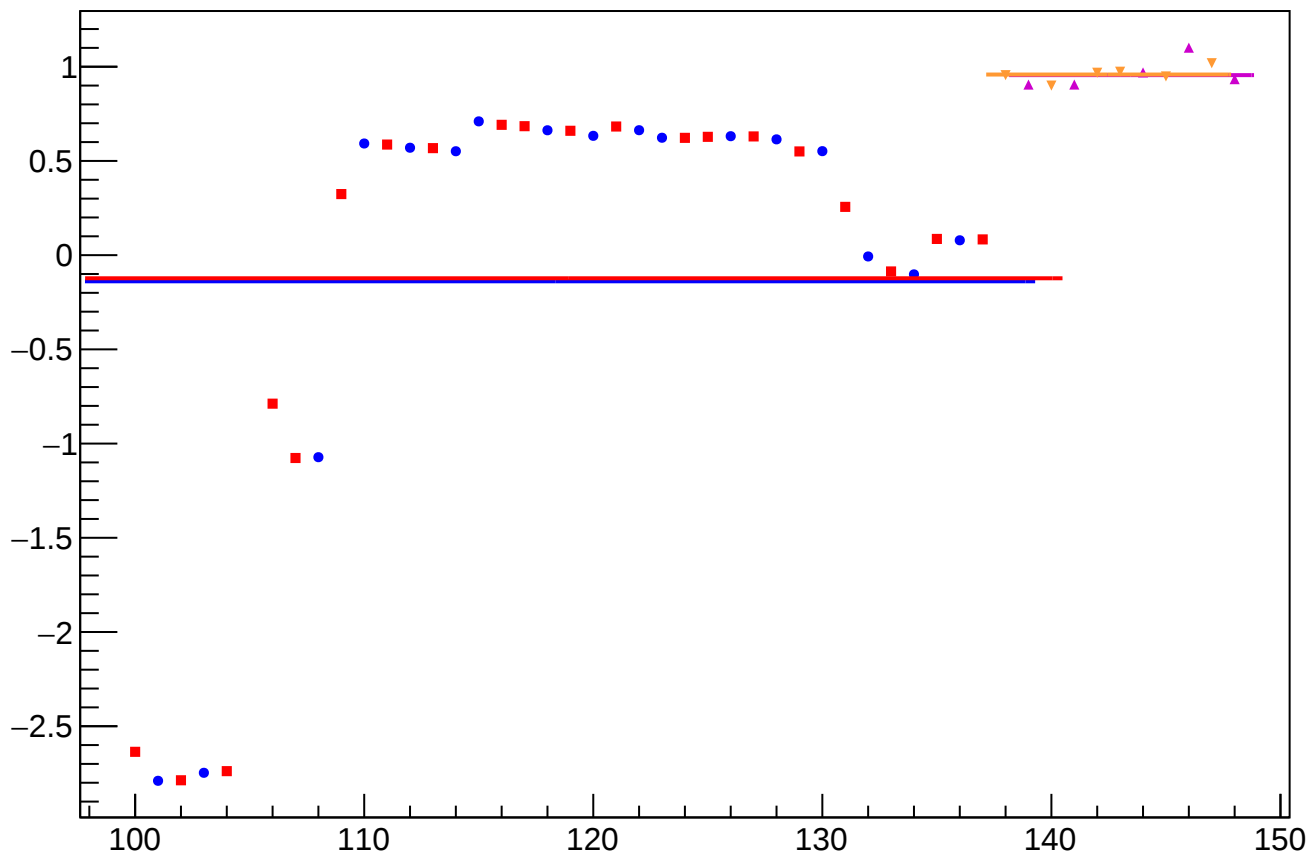
Right Out: 0.015+/-0.000 χ^2/NDF : 387283.2/19

Left In: 0.008+/-0.000 χ^2/NDF : 21489.4/4

0.010+/-0.000 χ^2/NDF : 2797100.6/22

0.010+/-0.000 χ^2/NDF : 2661563.8/24

yield_bpm0l04Y_mean vs Slug



Right In: -0.139+/-0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.959+/-0.000 χ^2/NDF : 113236205.2/5

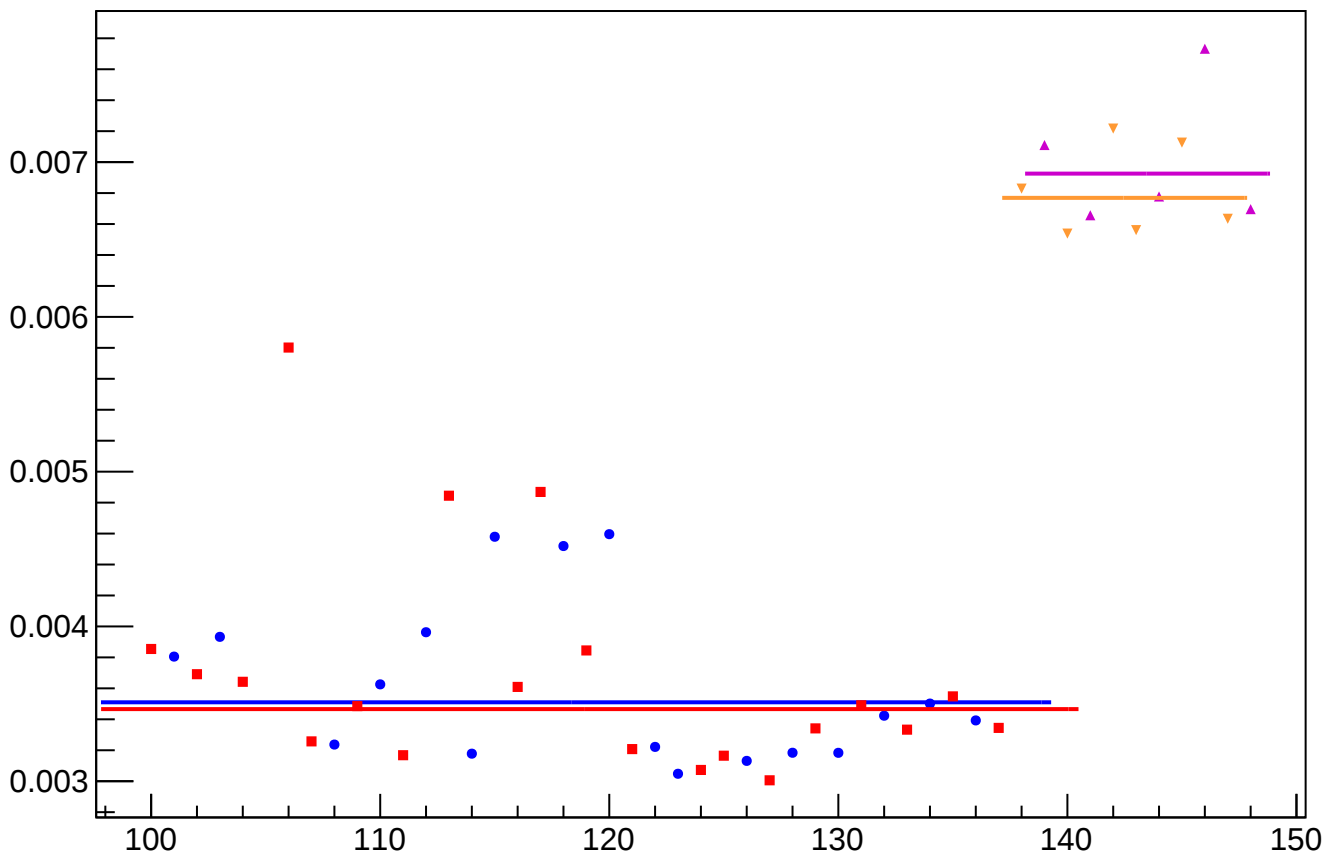
Right Out: -0.123+/-0.000 χ^2/NDF : 762580598699.5/19

Left In: 0.955+/-0.000 χ^2/NDF : 312801939.1/4

0.006+/-0.000 χ^2/NDF : 796356843250.6/22

0.001+/-0.000 χ^2/NDF : 837909616943.3/24

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 171337.9/16

Left Out: 0.007+/-0.000 χ^2/NDF : 9759.8/5

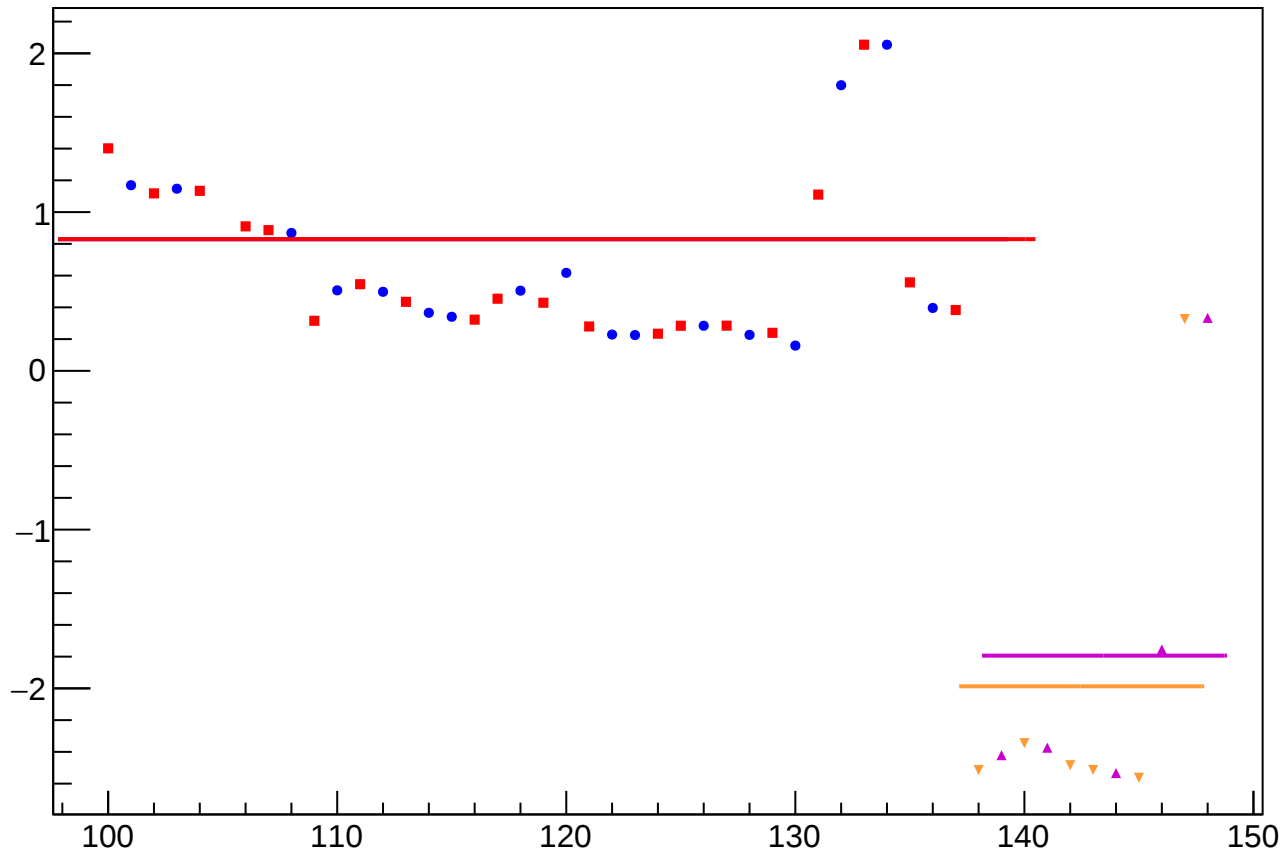
Right Out: 0.003+/-0.000 χ^2/NDF : 222524.1/19

Left In: 0.007+/-0.000 χ^2/NDF : 19774.8/4

0.004+/-0.000 χ^2/NDF : 1613667.7/22

0.004+/-0.000 χ^2/NDF : 1787313.6/24

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000 χ^2/NDF : 31718573821.2/16

Left Out: -1.987+/-0.000 χ^2/NDF : 101279378234.1/5

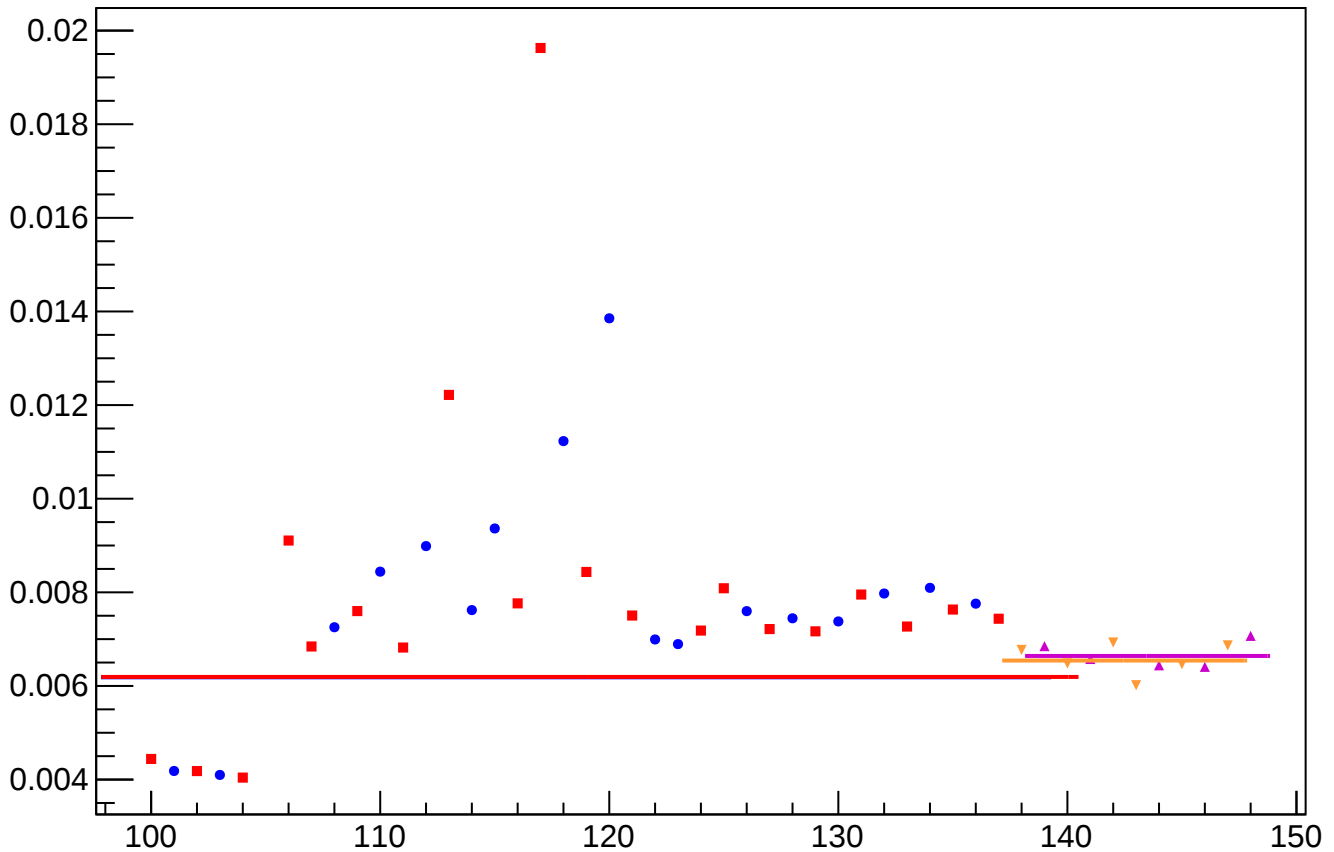
Right Out: 0.830+/-0.000 χ^2/NDF : 33349713412.0/19

Left In: -1.794+/-0.000 χ^2/NDF : 90573668965.9/4

-0.262+/-0.000 χ^2/NDF : 560107693036.0/22

-0.102+/-0.000 χ^2/NDF : 495600053058.9/24

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1228962.4/16

Left Out: 0.007+/-0.000 χ^2/NDF :16770.8/5

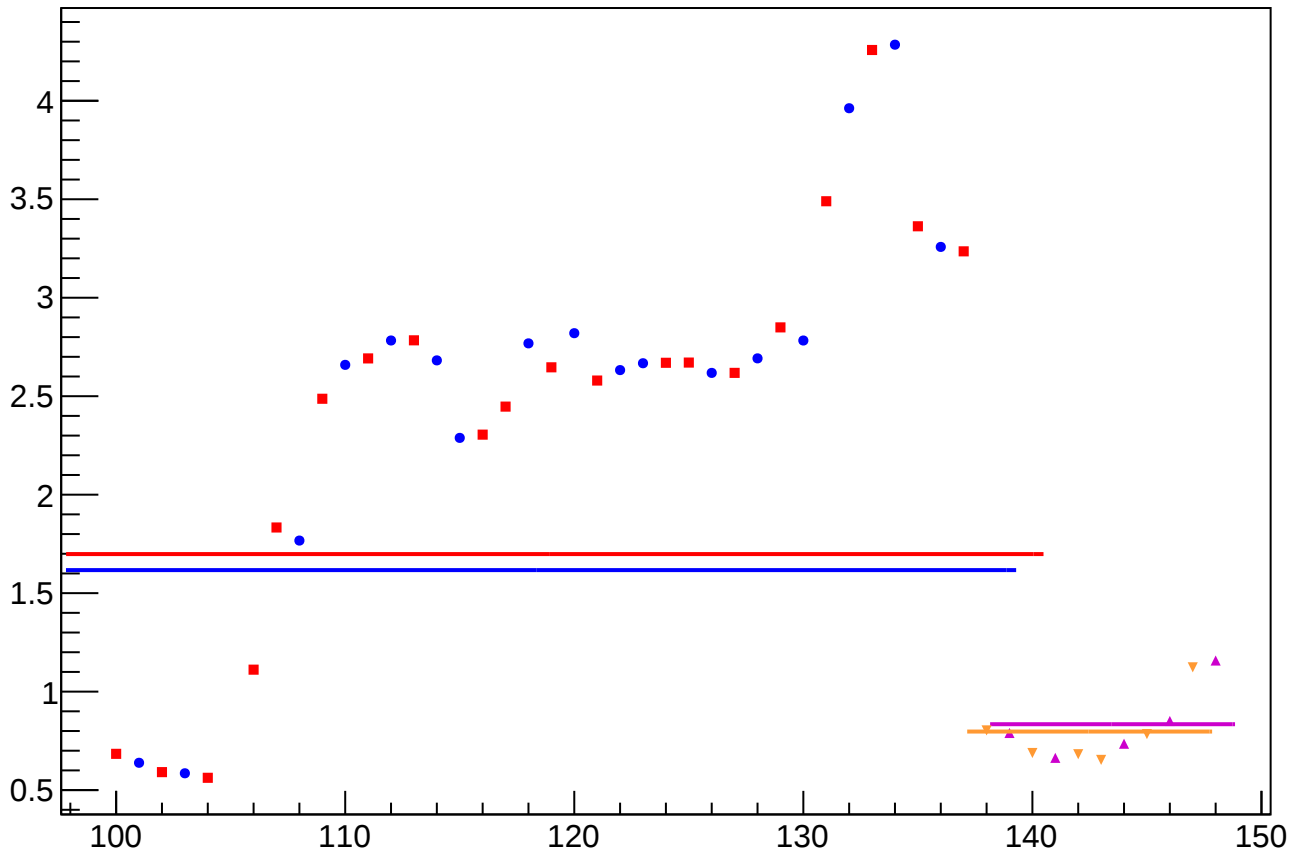
Right Out: 0.006+/-0.000 χ^2/NDF : 1062886.2/19

Left In: 0.007+/-0.000 χ^2/NDF :10367.1/4

0.006+/-0.000 χ^2/NDF : 1259554.8/22

0.006+/-0.000 χ^2/NDF : 1094986.5/24

yield_bpm0l05Y_mean vs Slug



Right In: 1.617 ± 0.000 $\chi^2/\text{NDF}: 202886791000.7/16$

Left Out: 0.797 ± 0.000 $\chi^2/\text{NDF}: 2374860198.6/5$

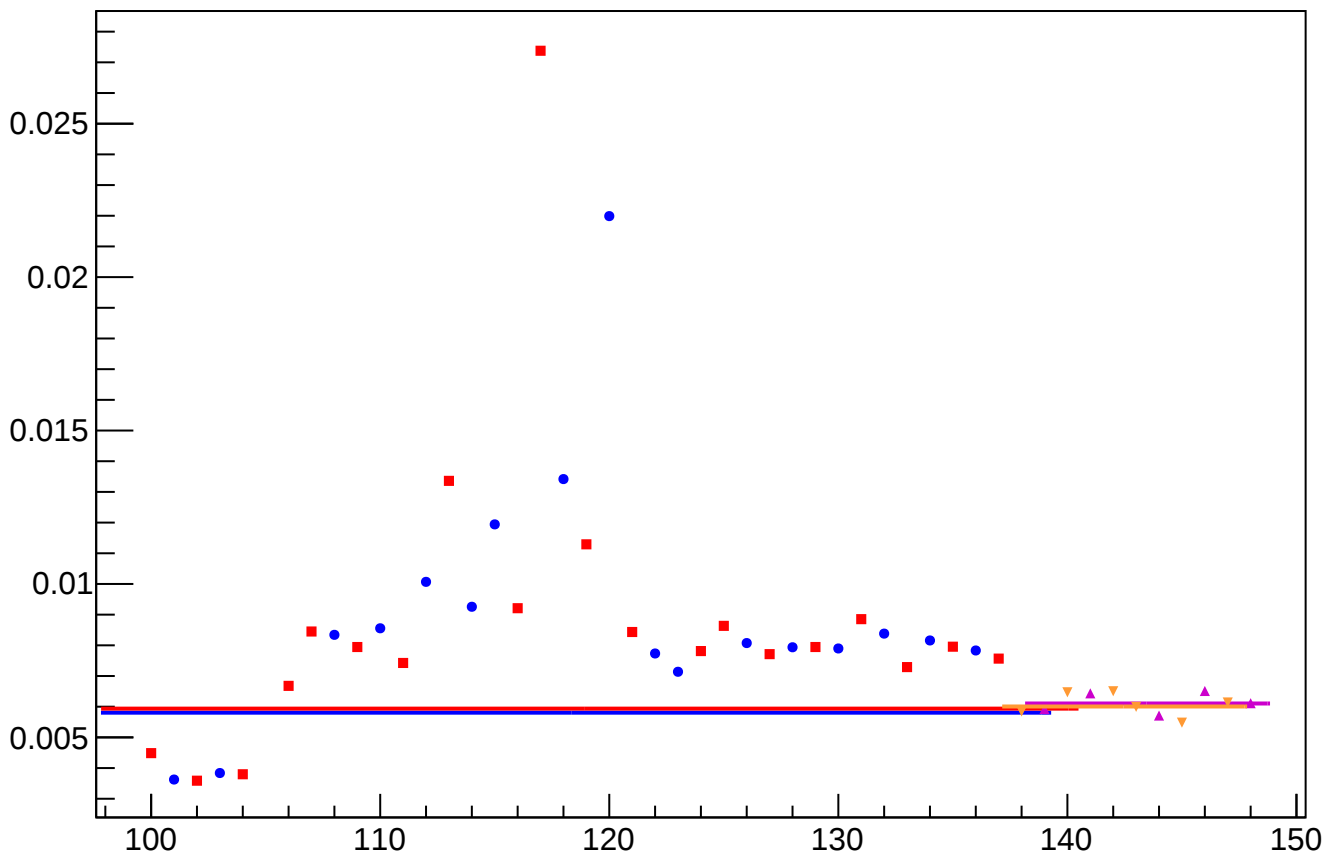
Right Out: 1.698 ± 0.000 $\chi^2/\text{NDF}: 227436227264.4/19$

Left In: 0.835 ± 0.000 $\chi^2/\text{NDF}: 2718021434.1/4$

1.288 ± 0.000 $\chi^2/\text{NDF}: 243858406582.7/22$

1.376 ± 0.000 $\chi^2/\text{NDF}: 272617716296.3/24$

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 :24518.2/5

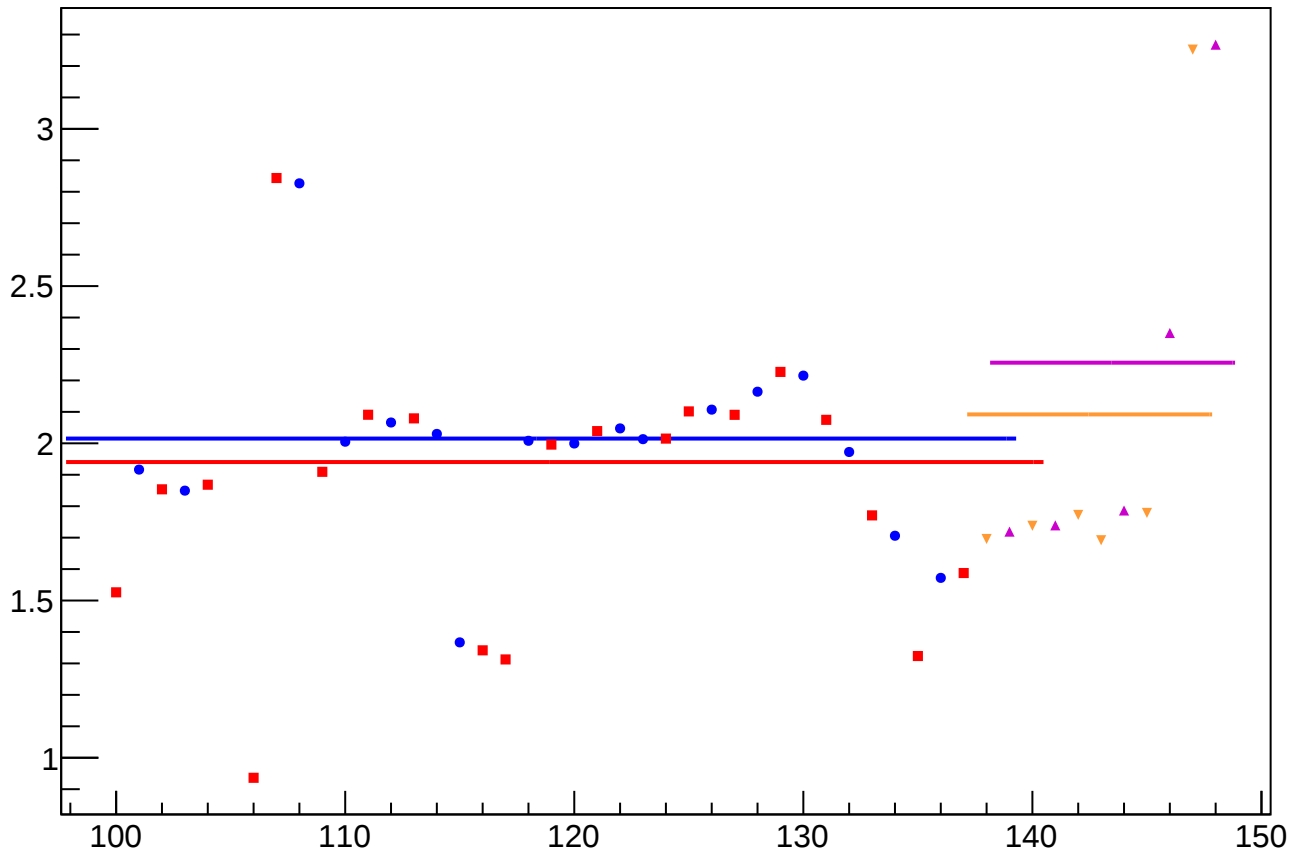
Right Out: 0.006+/-0.000 χ^2/NDF : 1731283.0/19

Left In: 0.006+/-0.000 χ^2/NDF :17149.0/4

0.006+/-0.000 χ^2/NDF : 1947168.5/22

0.006+/-0.000 χ^2/NDF : 1751609.1/24

yield_bpm0l06X_mean vs Slug



Right In: 2.015+/-0.000 χ^2/NDF : 12228403202.6/16

Left Out: 2.092+/-0.000 χ^2/NDF : 25492378471.4/5

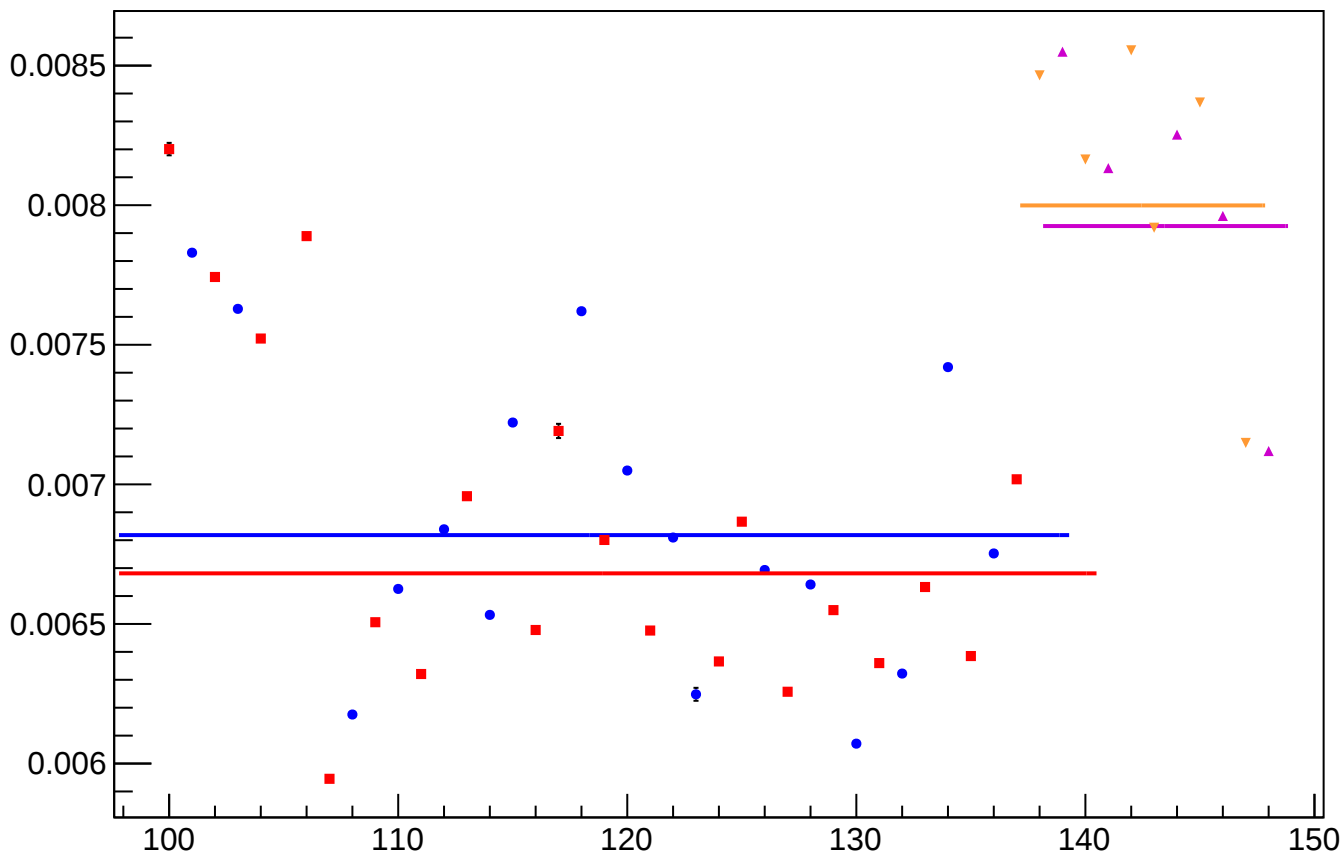
2.039+/-0.000 χ^2/NDF : 37969696559.1/22

Right Out: 1.940+/-0.000 χ^2/NDF : 21732099424.5/19

2.030+/-0.000 χ^2/NDF : 50546546372.1/24

Left In: 2.256+/-0.000 χ^2/NDF : 24462410352.0/4

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 :31887.2/5

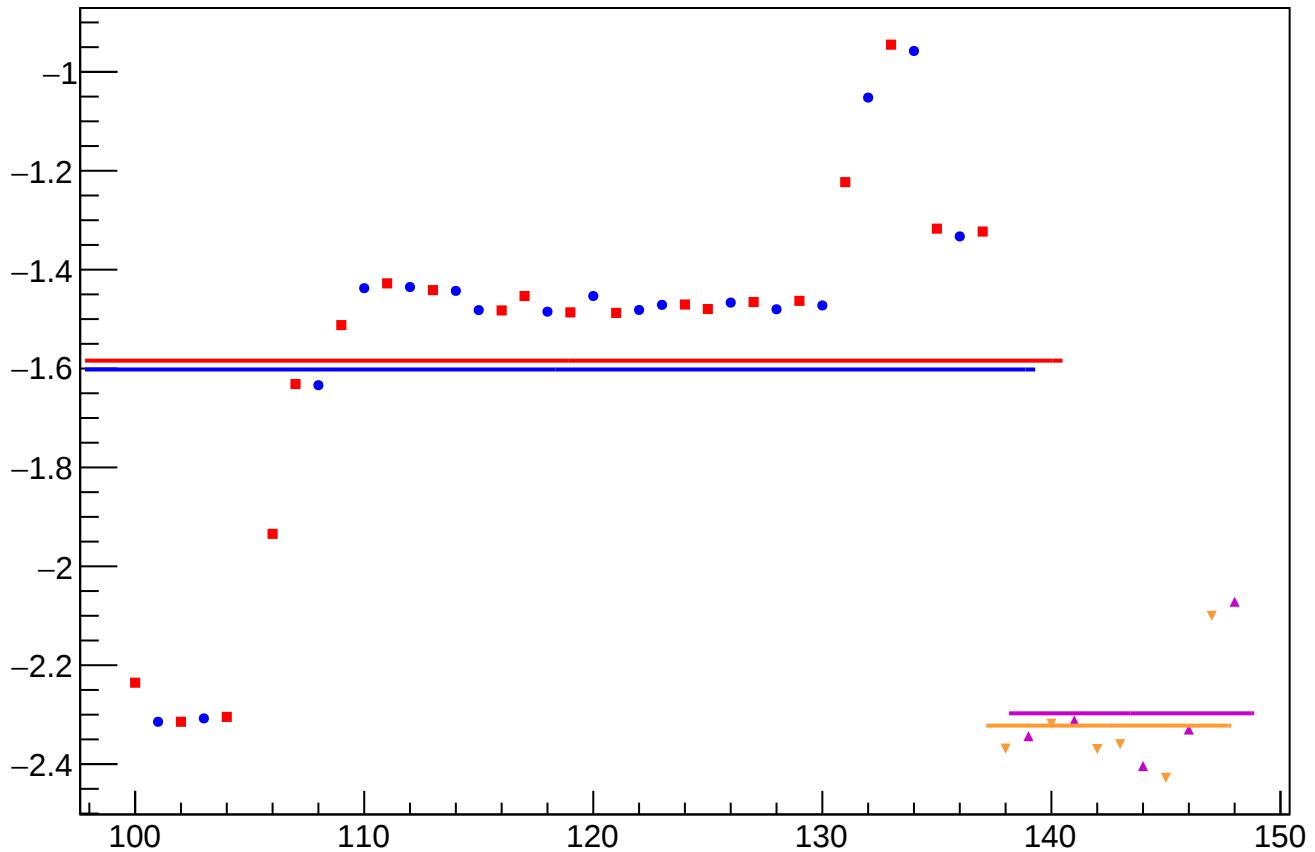
Right Out: 0.007+/-0.000 χ^2/NDF : 76121.2/19

Left In: 0.008+/-0.000 χ^2/NDF :30678.7/4

0.007+/-0.000 χ^2/NDF : 225363.6/22

0.007+/-0.000 χ^2/NDF : 241682.5/24

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -2.322+/-0.000 χ^2/NDF : 5012200138.0/5

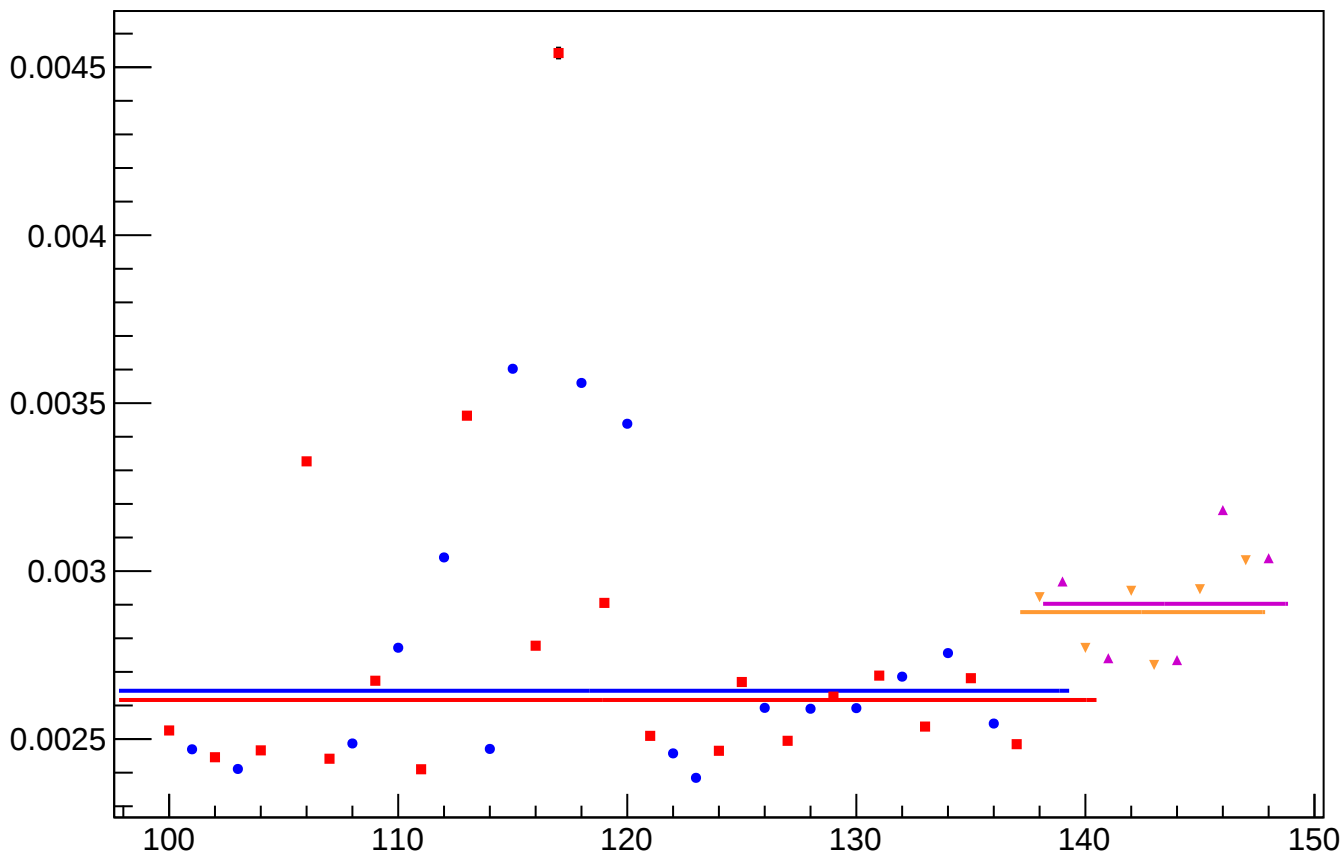
Right Out: -1.584+/-0.000 χ^2/NDF : 143612120137.8/19

Left In: -2.297+/-0.000 χ^2/NDF : 5666445006.4/4

-1.845+/-0.000 χ^2/NDF : 302458794496.9/22

-1.805+/-0.000 χ^2/NDF : 303549959946.1/24

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 :11366.0/5

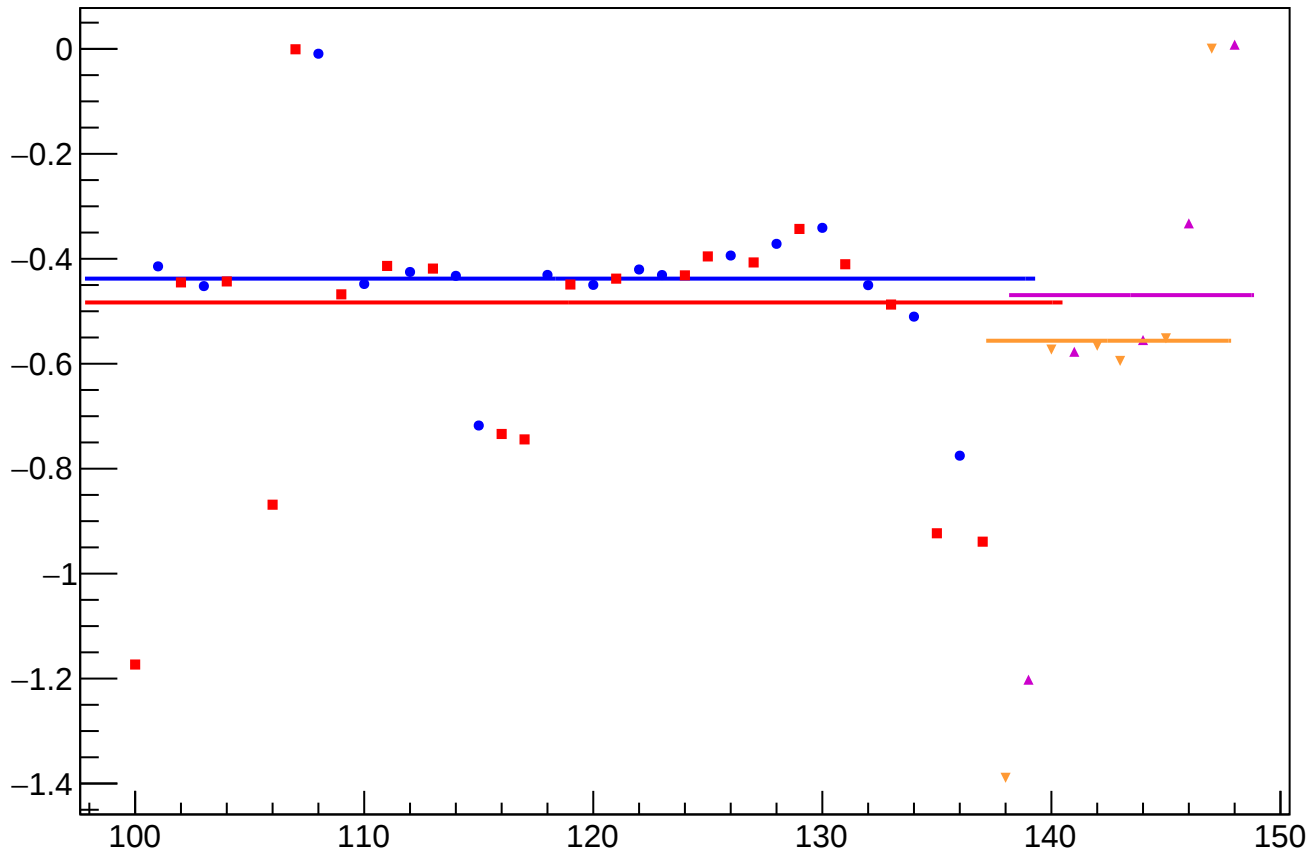
Right Out: 0.003+/-0.000 χ^2/NDF : 119852.1/19

Left In: 0.003+/-0.000 χ^2/NDF :26202.6/4

0.003+/-0.000 χ^2/NDF : 195984.4/22

0.003+/-0.000 χ^2/NDF : 195758.5/24

yield_bpm0l07X_mean vs Slug



Right In: -0.438+/-0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.556+/-0.000 χ^2/NDF : 3900676987.6/5

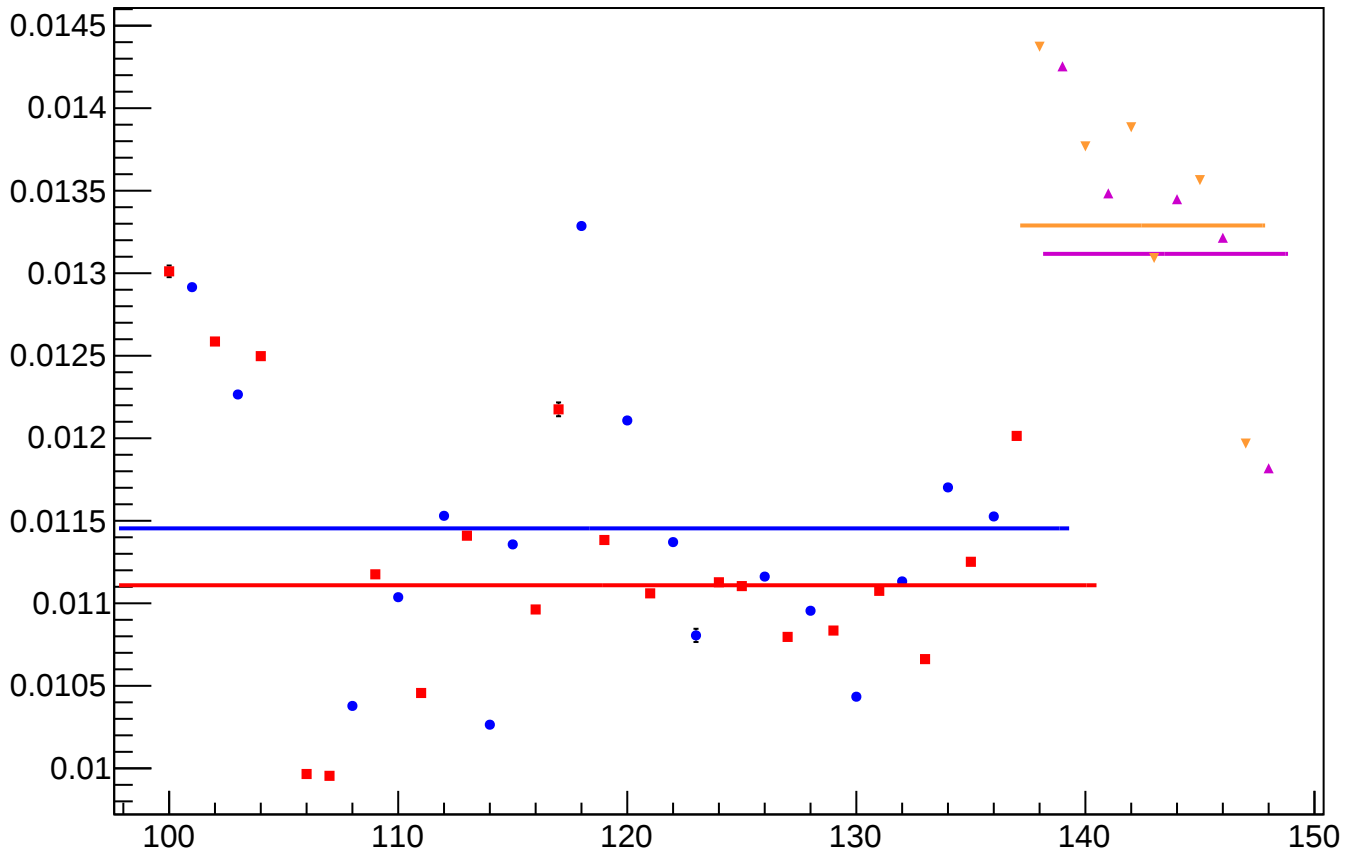
Right Out: -0.483+/-0.000 χ^2/NDF : 2714164016.2/19

Left In: -0.469+/-0.000 χ^2/NDF : 3144504042.4/4

-0.474+/-0.000 χ^2/NDF : 5575956511.8/22

-0.479+/-0.000 χ^2/NDF : 5861749950.5/24

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 :30120.7/5

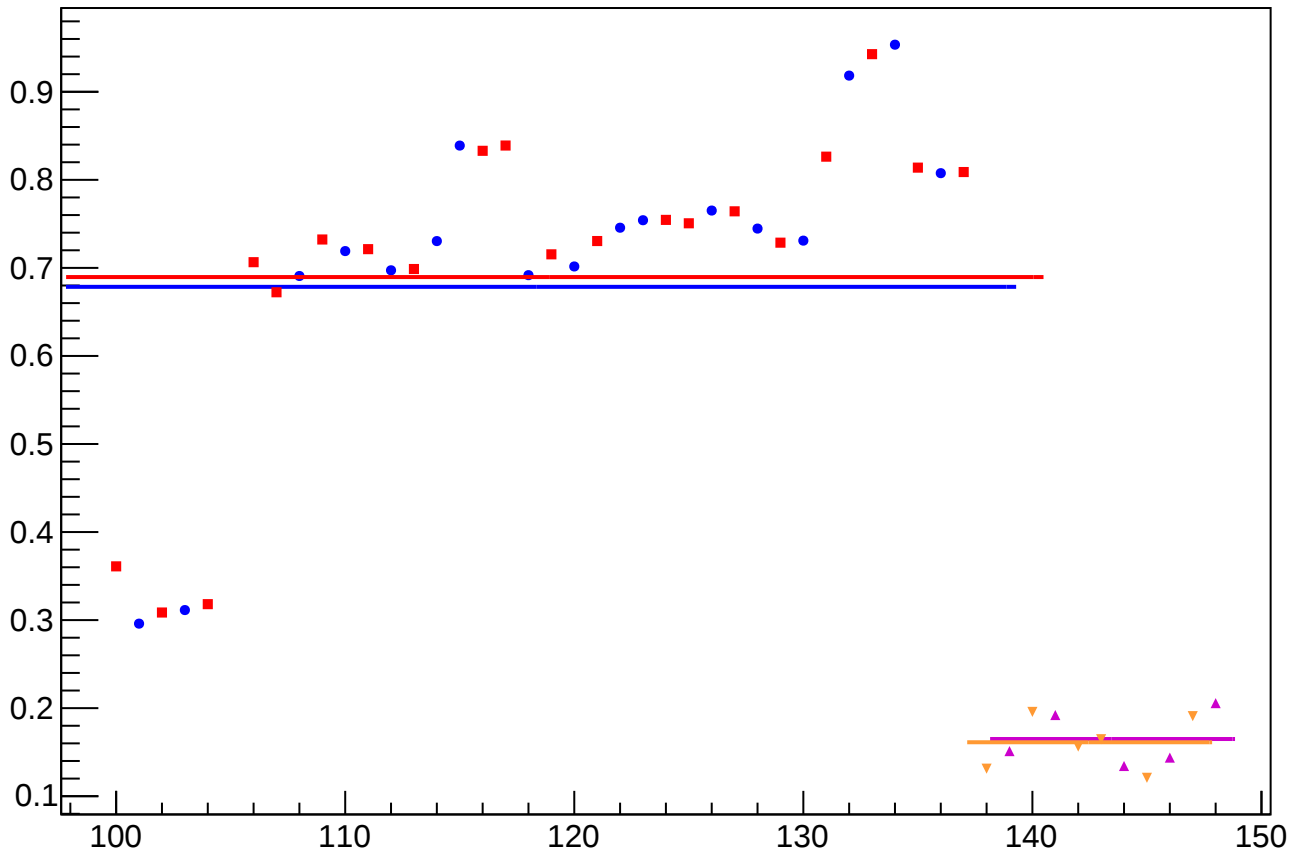
Right Out: 0.011+/-0.000 χ^2/NDF : 56696.9/19

Left In: 0.013+/-0.000 χ^2/NDF :29146.6/4

0.012+/-0.000 χ^2/NDF : 197151.8/22

0.012+/-0.000 χ^2/NDF : 212932.9/24

yield_bpm0l07Y_mean vs Slug



Right In: 0.678+/-0.000 χ^2/NDF : 38506442638.3/16

Left Out: 0.161+/-0.000 χ^2/NDF : 750825184.3/5

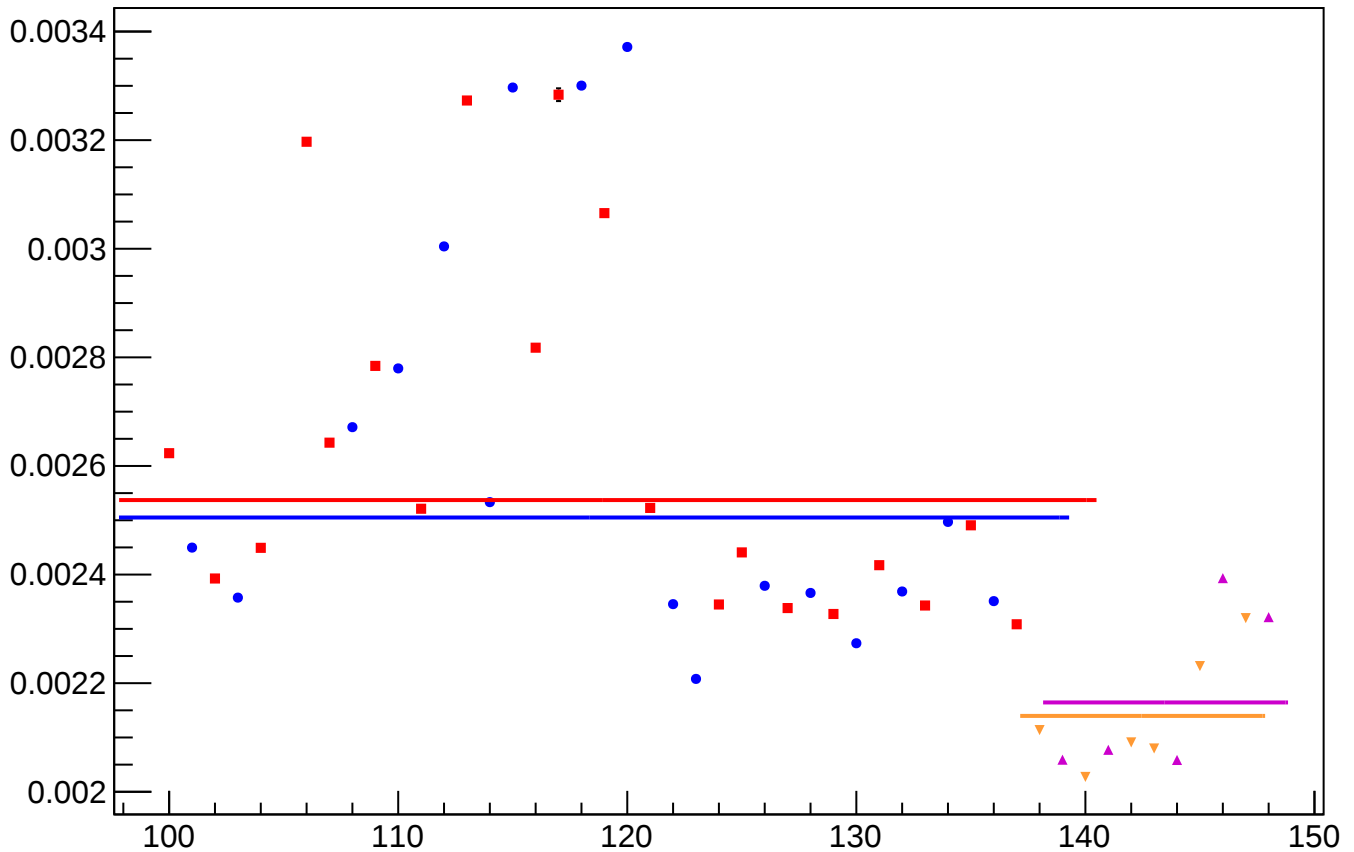
0.435+/-0.000 χ^2/NDF : 166884339351.3/22

Right Out: 0.690+/-0.000 χ^2/NDF : 35439496983.3/19

0.456+/-0.000 χ^2/NDF : 164448701749.9/24

Left In: 0.165+/-0.000 χ^2/NDF : 668868147.1/4

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 :18527.5/5

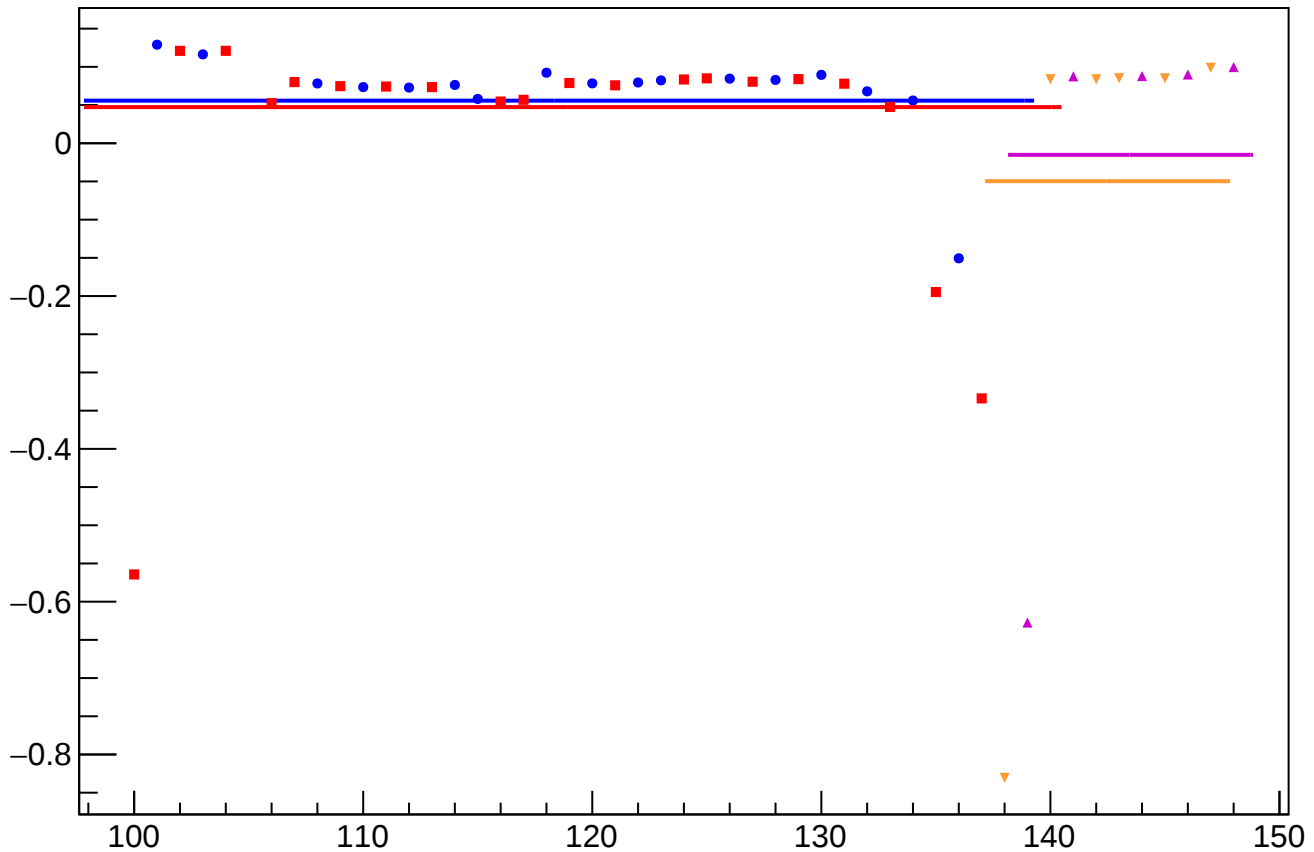
Right Out: 0.003+/-0.000 χ^2/NDF : 135649.7/19

Left In: 0.002+/-0.000 χ^2/NDF :32848.1/4

0.002+/-0.000 χ^2/NDF : 321430.0/22

0.002+/-0.000 χ^2/NDF : 298013.9/24

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.050+/-0.000 χ^2/NDF : 2904310989.7/5

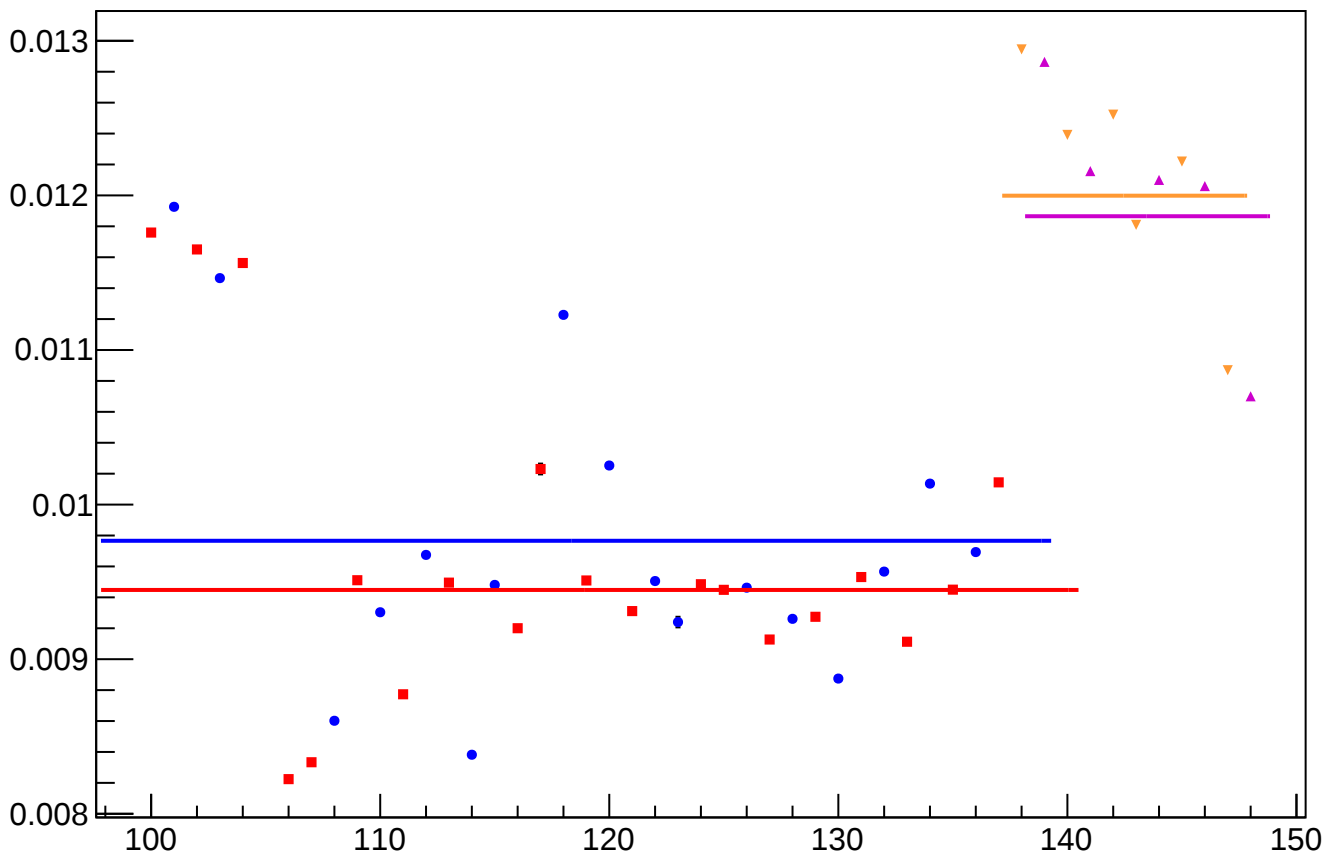
Right Out: 0.047+/-0.000 χ^2/NDF : 819626031.7/19

Left In: -0.015+/-0.000 χ^2/NDF : 1745010225.6/4

0.026+/-0.000 χ^2/NDF : 3541044263.9/22

0.031+/-0.000 χ^2/NDF : 2642095648.4/24

yield_bpm0l08X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 116638.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 27187.0/5

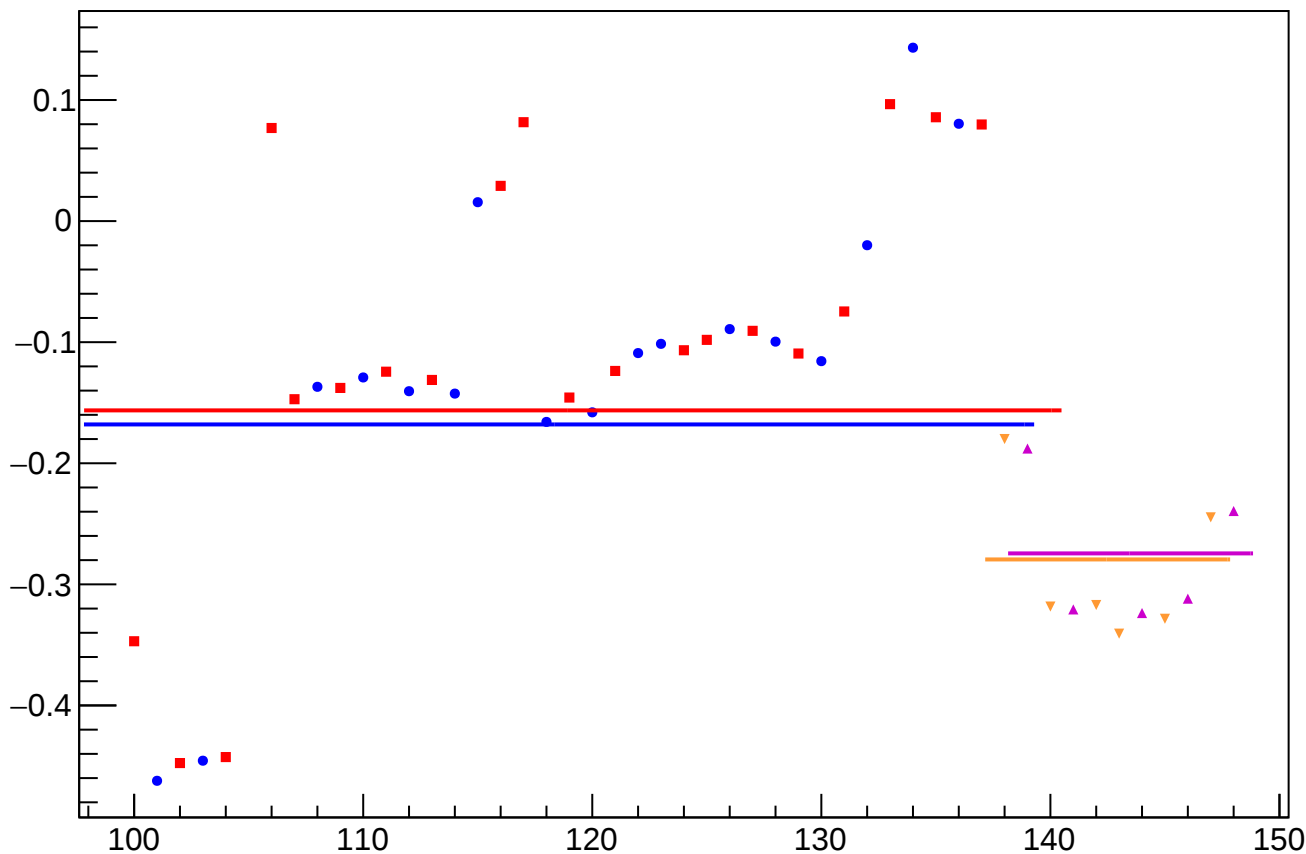
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 111197.0/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 28022.6/4

0.010 $\pm$ 0.000 χ^2 /NDF: 335603.5/22

0.010 $\pm$ 0.000 χ^2 /NDF: 371183.8/24

yield_bpm0l08Y_mean vs Slug



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.279+/-0.000 χ^2/NDF :1609049248.7/5

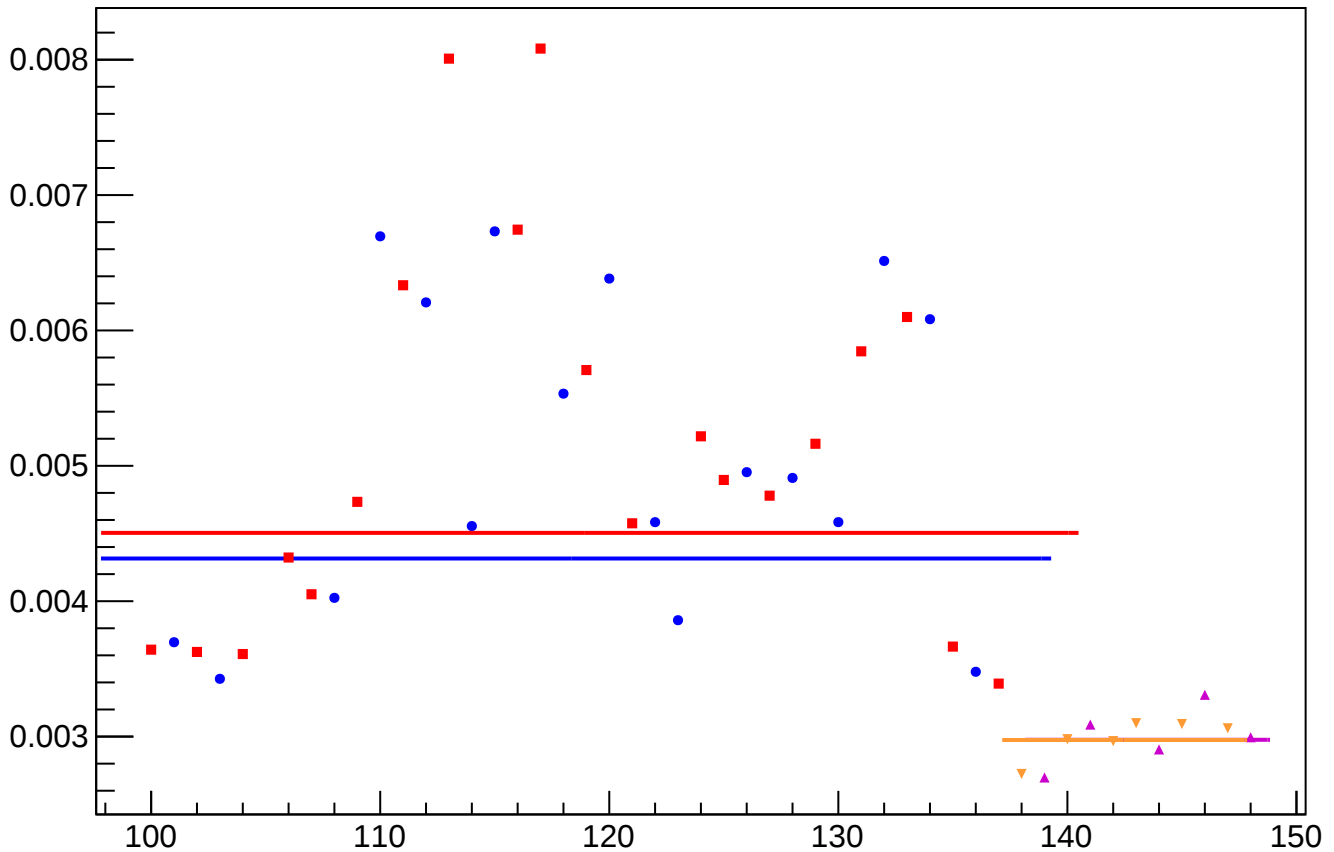
Right Out: -0.156+/-0.000 χ^2/NDF : 11061140252.3/19

Left In: -0.274+/-0.000 χ^2/NDF :1278891571.5/4

-0.233+/-0.000 χ^2/NDF : 16190761982.3/22

-0.224+/-0.000 χ^2/NDF : 14807668582.6/24

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 :16903.8/5

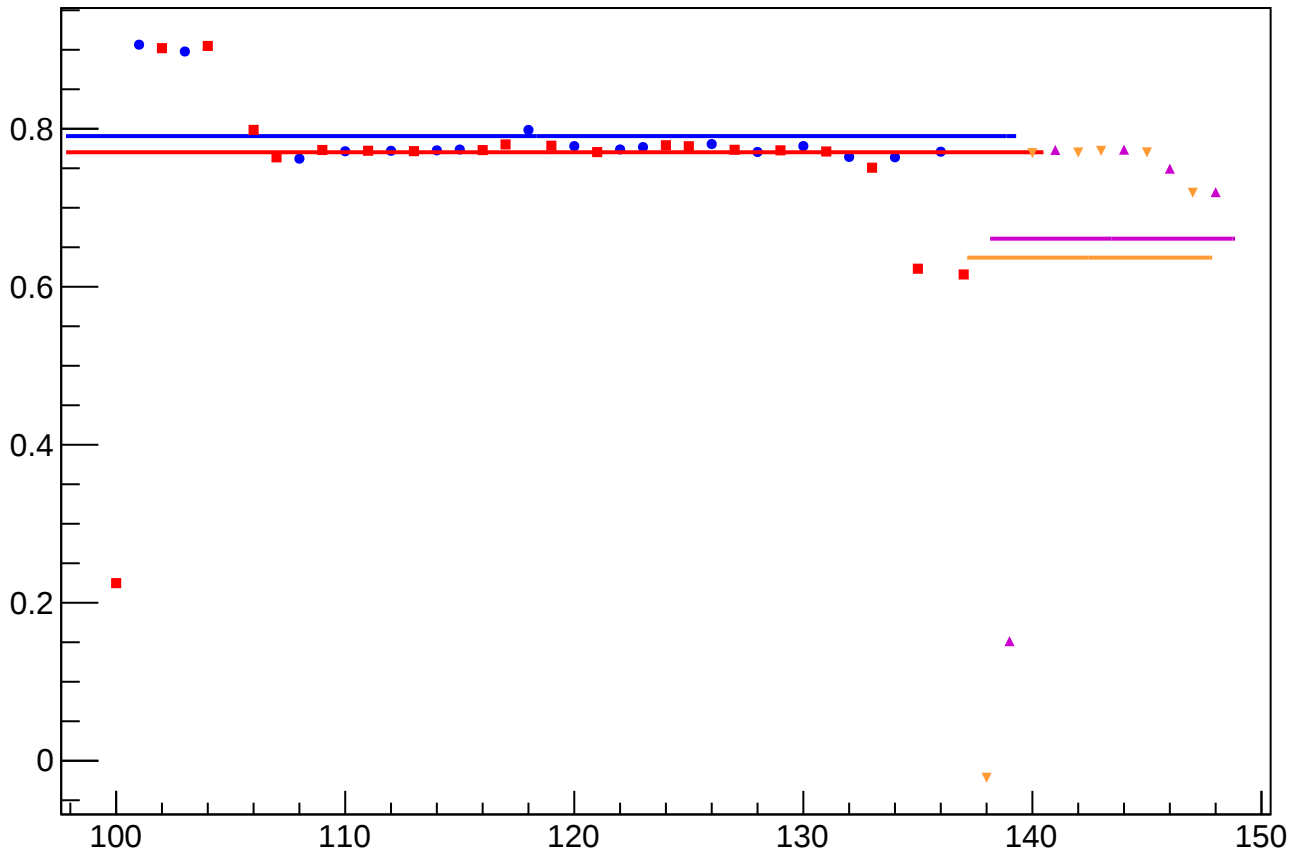
Right Out: 0.005+/-0.000 χ^2/NDF : 665152.6/19

Left In: 0.003+/-0.000 χ^2/NDF :31451.1/4

0.004+/-0.000 χ^2/NDF : 1287216.3/22

0.004+/-0.000 χ^2/NDF : 1523180.8/24

yield_bpm0l09X_mean vs Slug



Right In: 0.791 ± 0.000 χ^2/NDF : 106705767.1/16

Left Out: 0.637 ± 0.000 χ^2/NDF : 2272446200.2/5

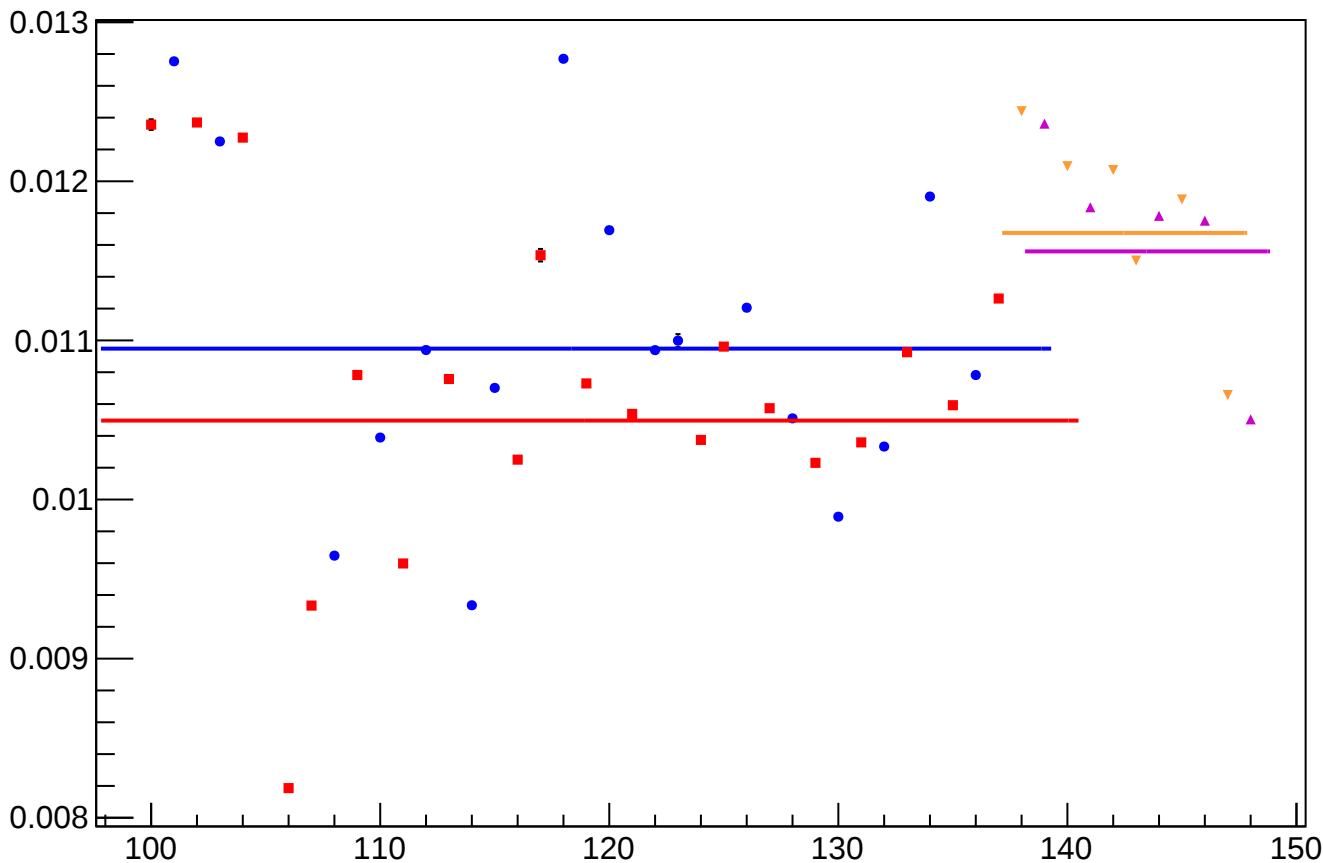
Right Out: 0.770 ± 0.000 χ^2/NDF : 375473971.0/19

Left In: 0.661 ± 0.000 χ^2/NDF : 1333422845.9/4

0.737 ± 0.000 χ^2/NDF : 2822496130.4/22

0.736 ± 0.000 χ^2/NDF : 1942744945.1/24

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 98551.4/16

Left Out: 0.012+/-0.000 χ^2/NDF : 22418.6/5

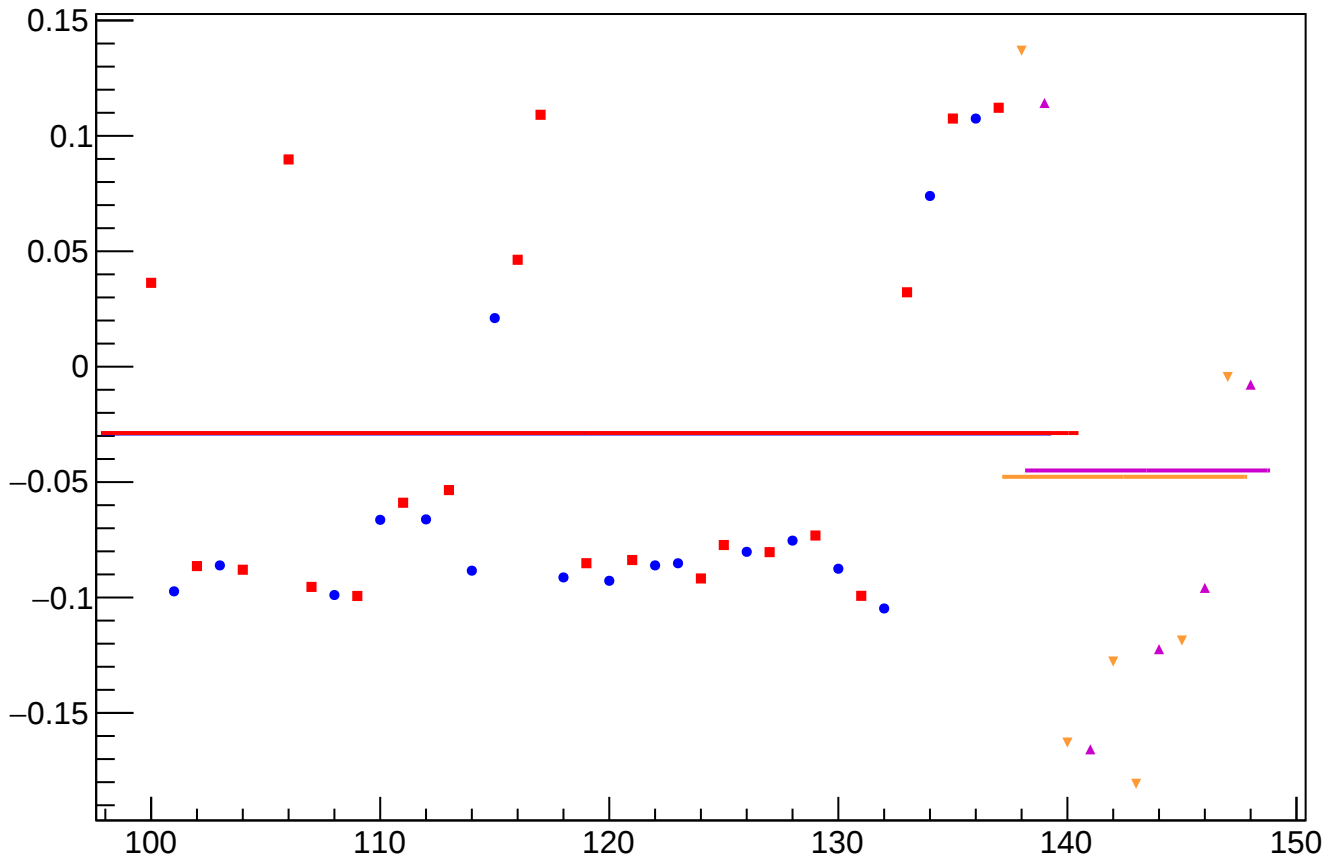
Right Out: 0.010+/-0.000 χ^2/NDF : 120120.6/19

Left In: 0.012+/-0.000 χ^2/NDF : 23080.4/4

0.011+/-0.000 χ^2/NDF : 140780.1/22

0.011+/-0.000 χ^2/NDF : 187400.4/24

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.048+/-0.000 χ^2/NDF : 4718169679.4/5

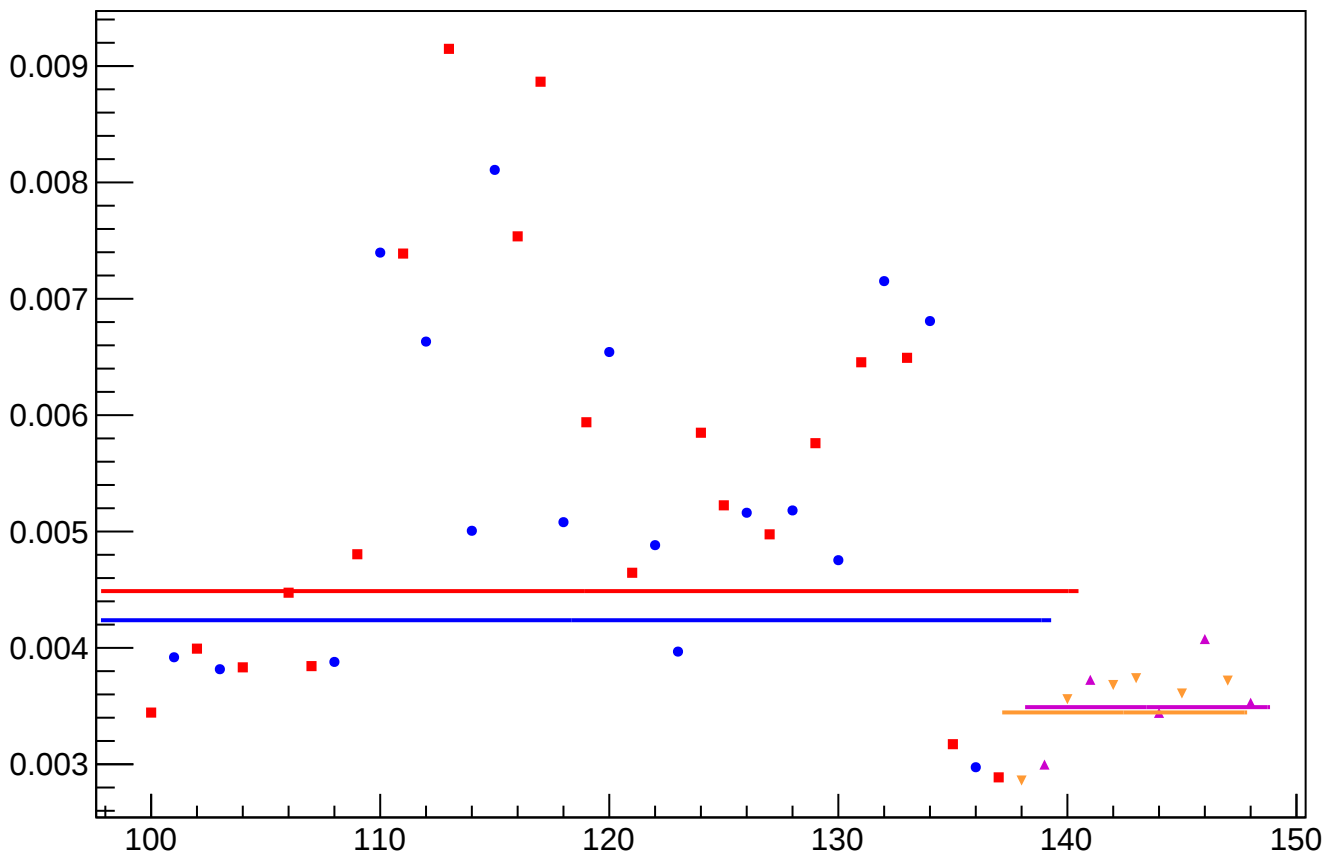
-0.038+/-0.000 χ^2/NDF : 7218057009.8/22

Right Out: -0.029+/-0.000 χ^2/NDF : 2122918772.1/19

-0.037+/-0.000 χ^2/NDF : 5330102471.7/24

Left In: -0.045+/-0.000 χ^2/NDF : 3168980835.5/4

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 : 77928.0/5

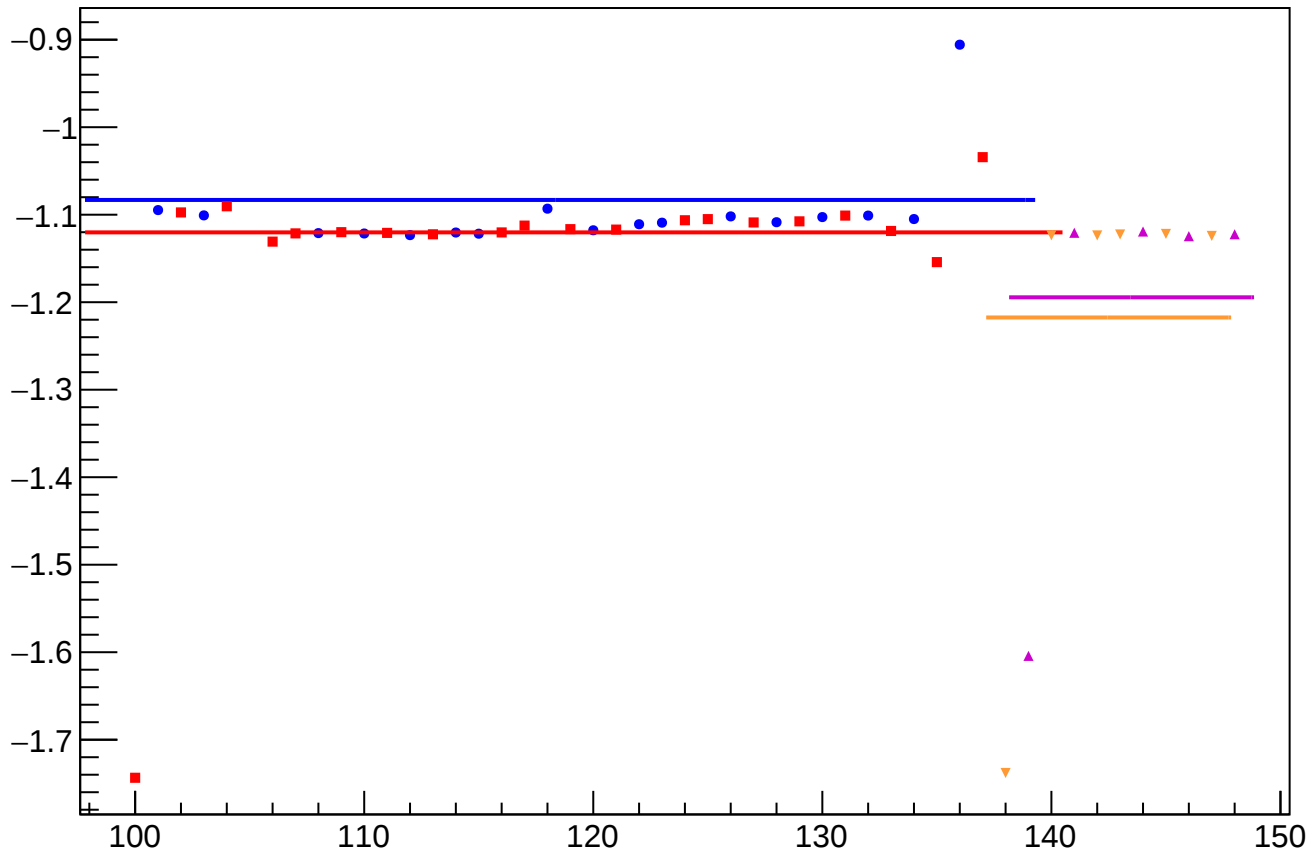
Right Out: 0.004+/-0.000 χ^2/NDF : 1003473.4/19

Left In: 0.003+/-0.000 χ^2/NDF : 68869.3/4

0.004+/-0.000 χ^2/NDF : 1151625.4/22

0.004+/-0.000 χ^2/NDF : 1361513.0/24

yield_bpm0l10X_mean vs Slug



Right In: -1.083 ± 0.000 χ^2/NDF : 202920901.6/16

Left Out: -1.217 ± 0.000 χ^2/NDF : 1764423994.6/5

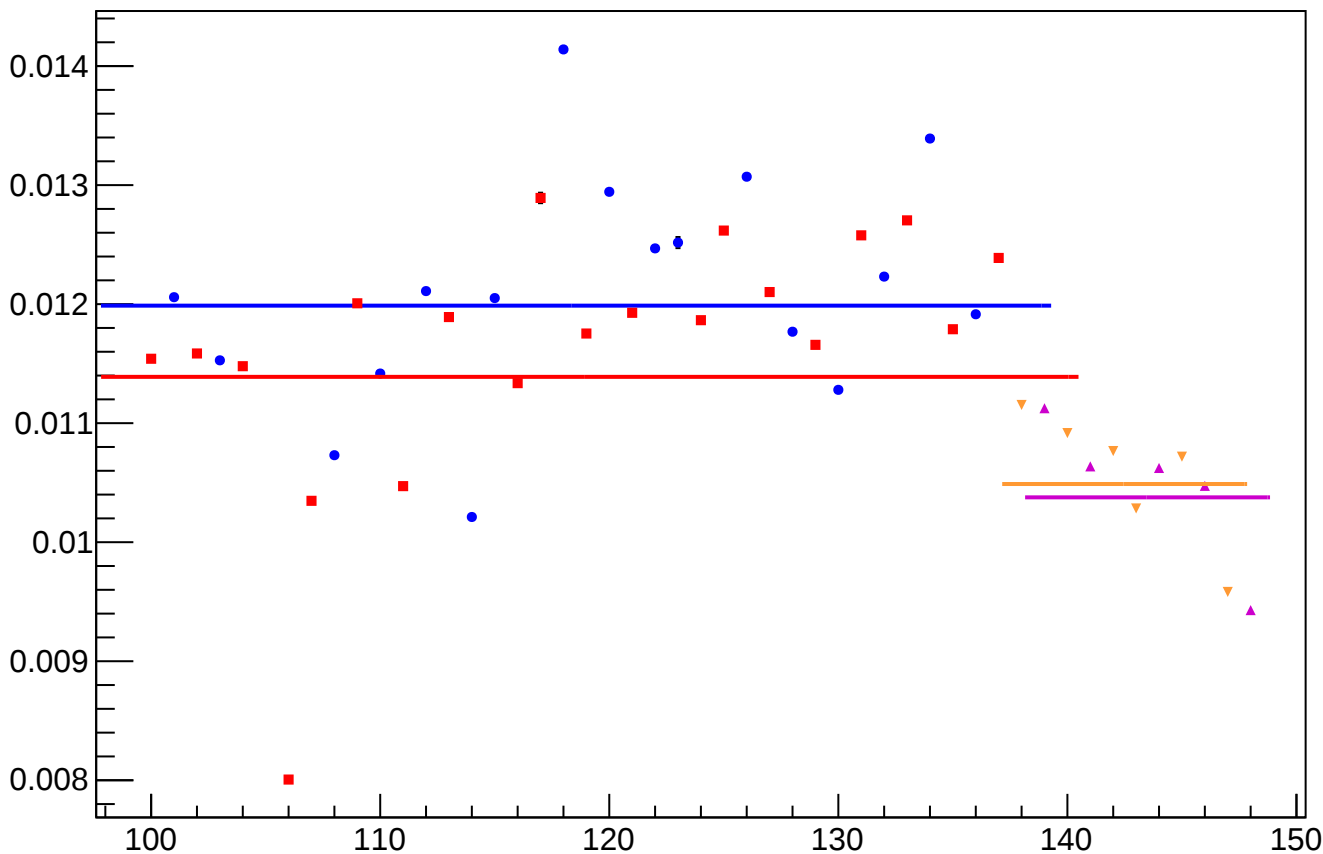
Right Out: -1.120 ± 0.000 χ^2/NDF : 220586820.0/19

Left In: -1.194 ± 0.000 χ^2/NDF : 1056994545.3/4

-1.143 ± 0.000 χ^2/NDF : 2327266513.2/22

-1.150 ± 0.000 χ^2/NDF : 1394714846.6/24

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 60402.0/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:22532.7/5

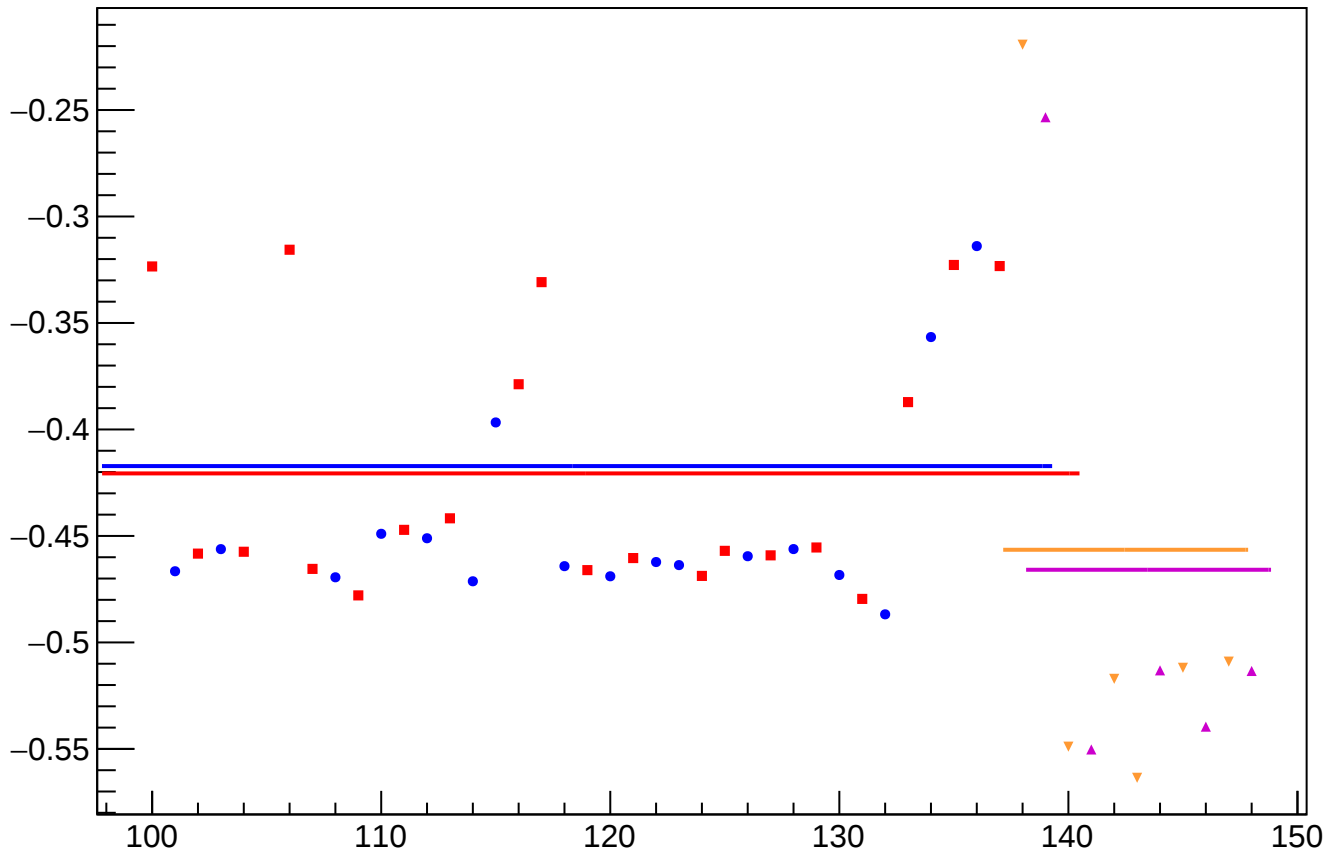
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 155700.3/19

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:23762.7/4

0.011 $\pm$ 0.000 χ^2 /NDF: 172527.9/22

0.011 $\pm$ 0.000 χ^2 /NDF: 223047.1/24

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.456+/-0.000 χ^2/NDF : 4563197778.3/5

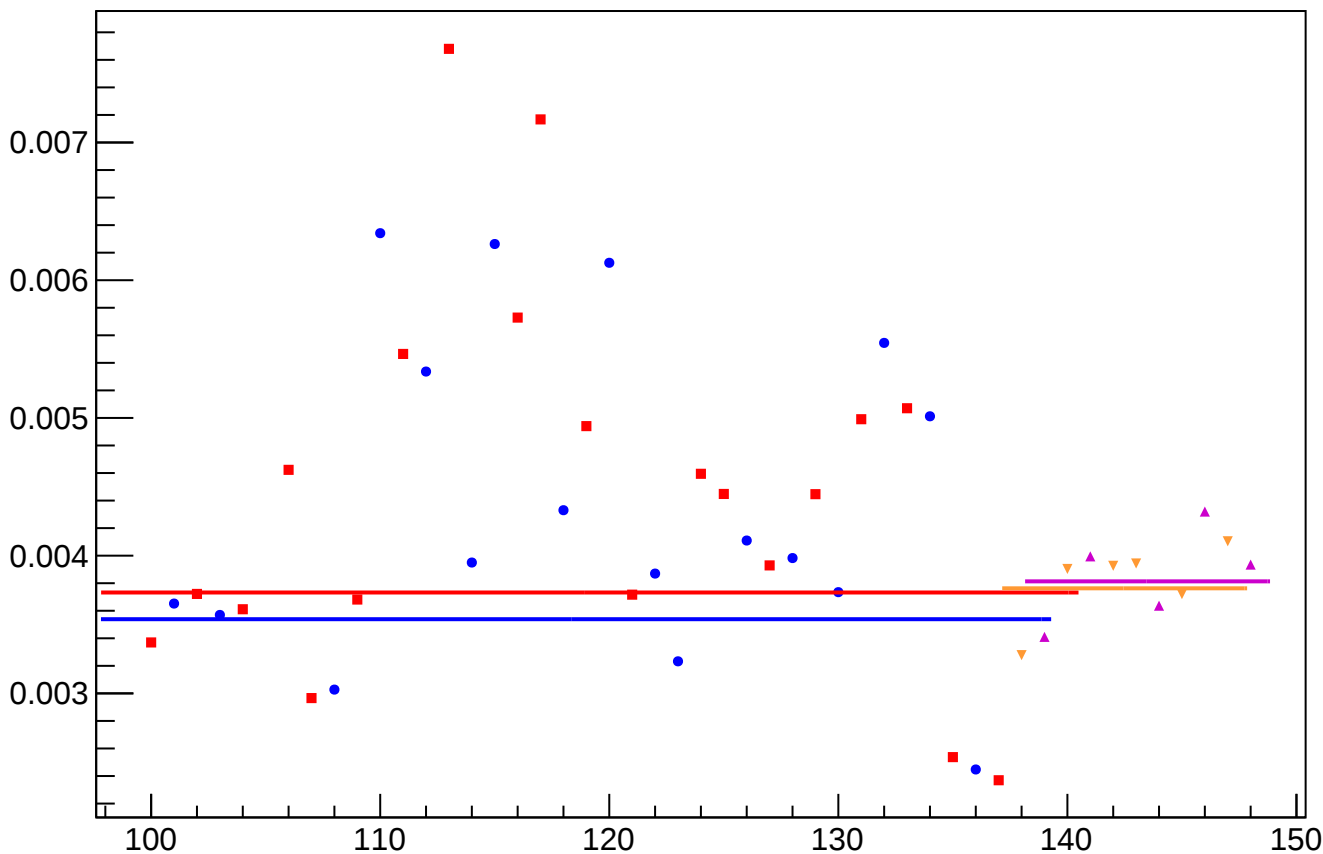
-0.432+/-0.000 χ^2/NDF : 6851902669.7/22

Right Out: -0.421+/-0.000 χ^2/NDF : 1652792044.5/19

-0.437+/-0.000 χ^2/NDF : 5182657872.5/24

Left In: -0.466+/-0.000 χ^2/NDF : 3214804883.5/4

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 ± 0.000 $\chi^2/\text{NDF}: 836154.0/16$

Left Out: 0.004 ± 0.000 $\chi^2/\text{NDF}: 44249.7/5$

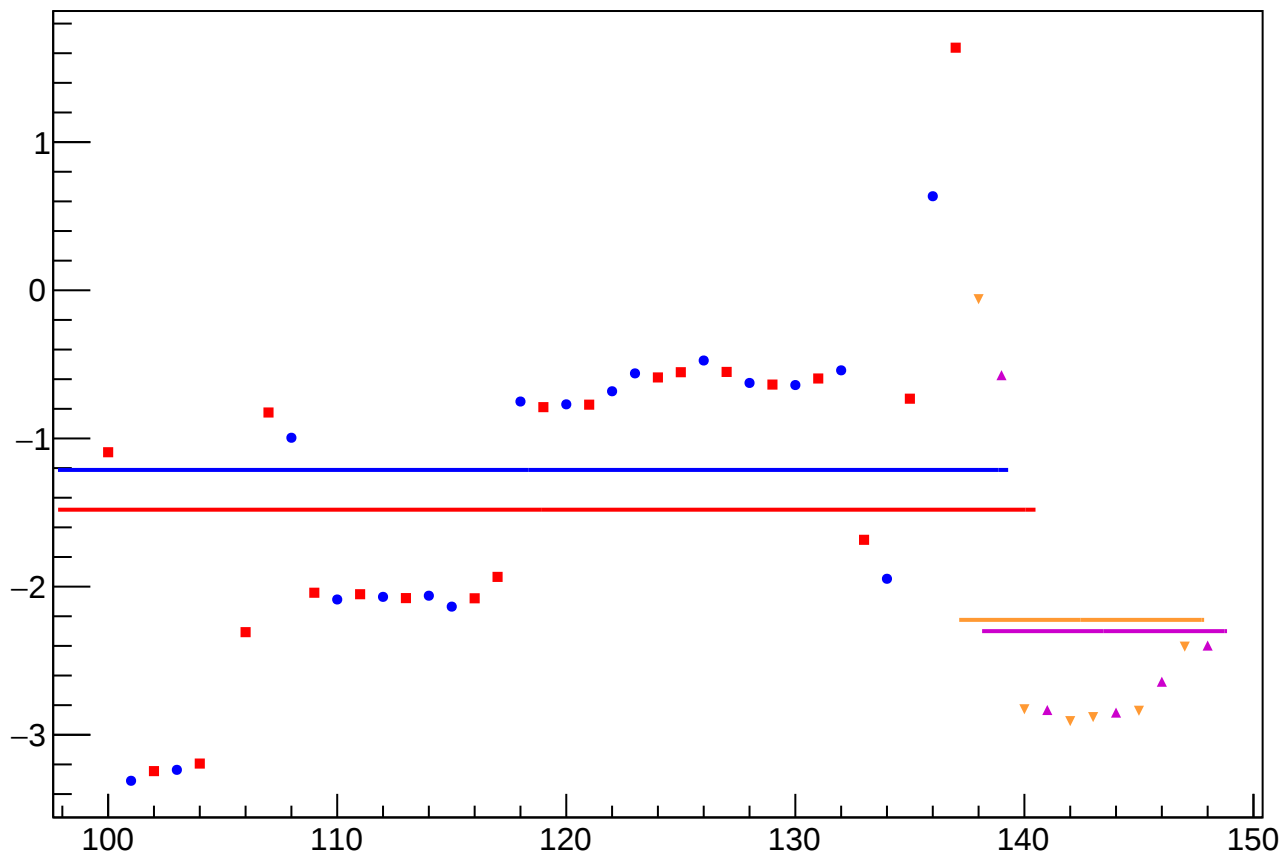
Right Out: 0.004 ± 0.000 $\chi^2/\text{NDF}: 916963.6/19$

Left In: 0.004 ± 0.000 $\chi^2/\text{NDF}: 44099.8/4$

0.004 ± 0.000 $\chi^2/\text{NDF}: 896656.5/22$

0.004 ± 0.000 $\chi^2/\text{NDF}: 963078.1/24$

yield_bpm0r03X_mean vs Slug



Right In: -1.212 ± 0.000 χ^2/NDF : 1992853443.9/16

Left Out: -2.224 ± 0.000 χ^2/NDF : 848620185.7/5

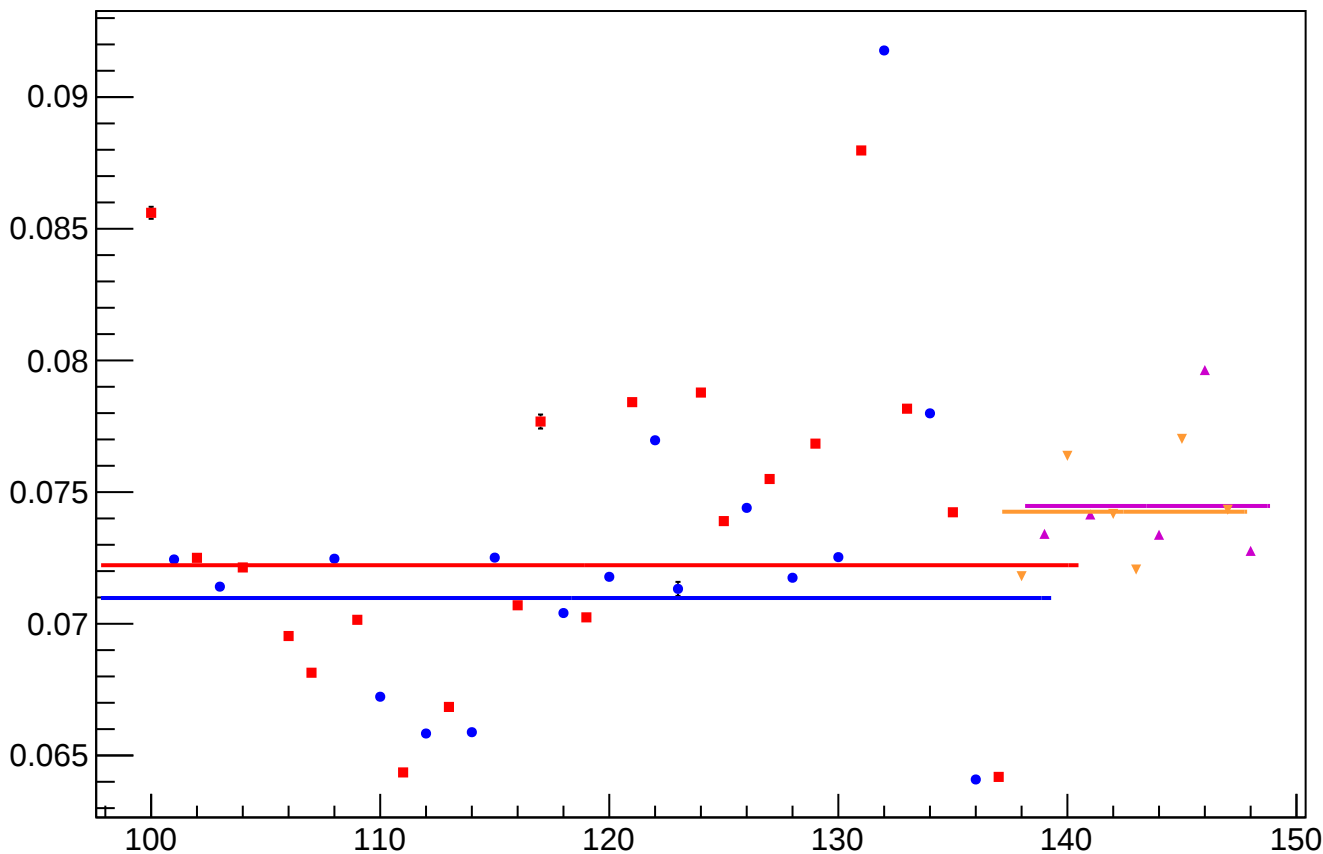
Right Out: -1.481 ± 0.000 χ^2/NDF : 1579722113.8/19

Left In: -2.300 ± 0.000 χ^2/NDF : 478731200.7/4

-1.575 ± 0.000 χ^2/NDF : 3319520000.7/22

-1.760 ± 0.000 χ^2/NDF : 2365203498.2/24

yield_bpm0r03X_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF : 77589.5/16

Left Out: 0.074+/-0.000 χ^2/NDF : 5896.2/5

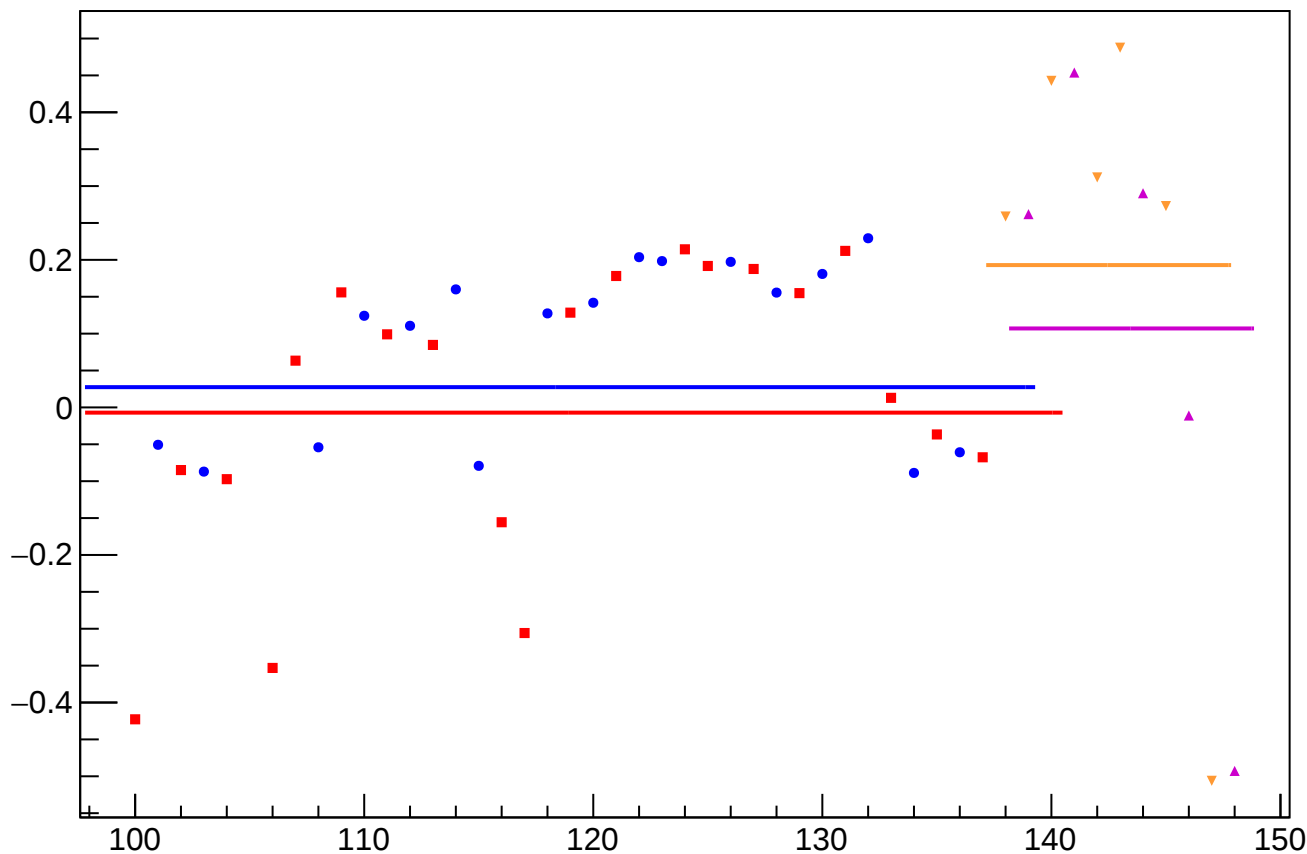
Right Out: 0.072+/-0.000 χ^2/NDF : 73650.9/19

Left In: 0.074+/-0.000 χ^2/NDF : 7759.8/4

0.072+/-0.000 χ^2/NDF : 93509.8/22

0.073+/-0.000 χ^2/NDF : 86034.4/24

yield_bpm0r03Y_mean vs Slug



Right In: 0.027 ± 0.000 χ^2/NDF : 562337631.4/16

Left Out: 0.193 ± 0.000 χ^2/NDF : 5685199156.5/5

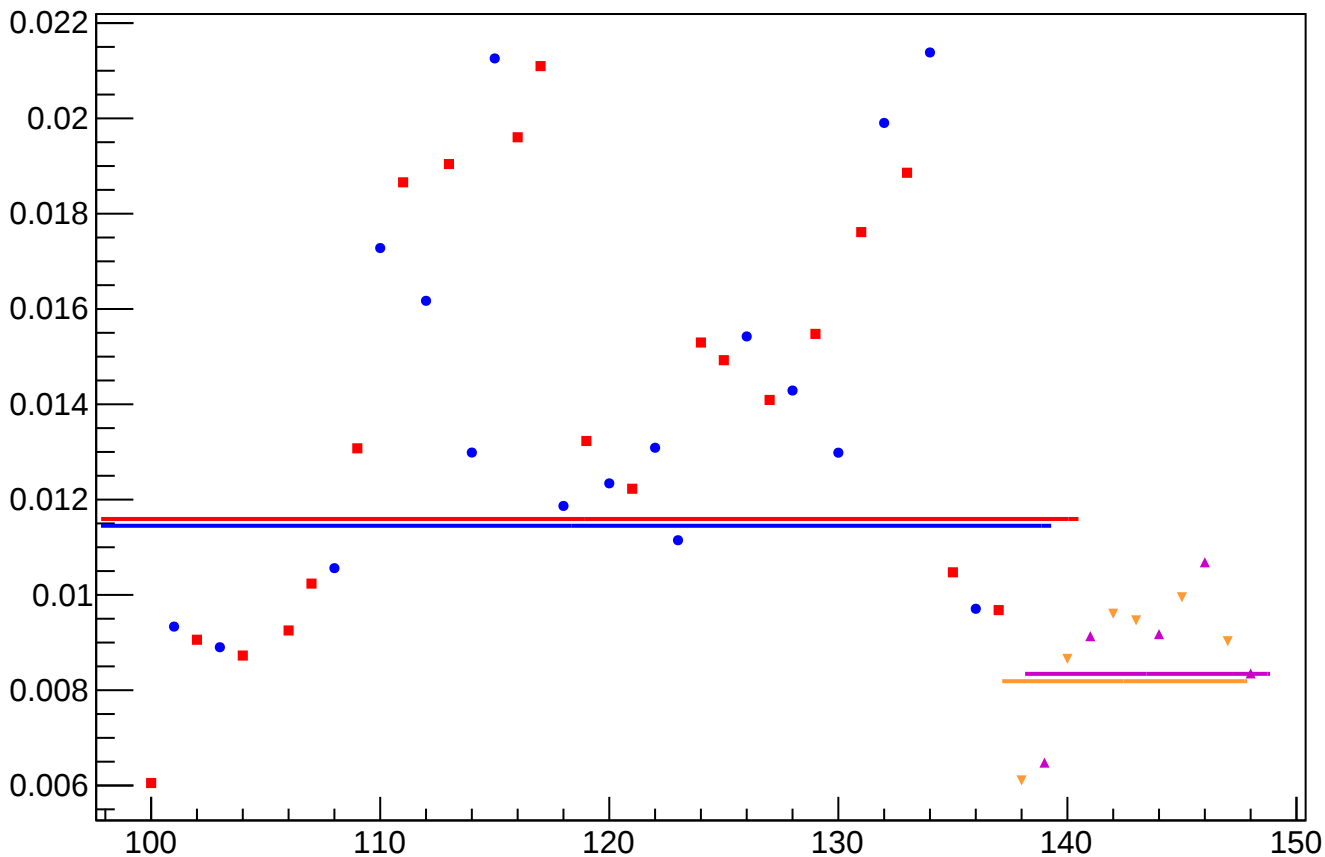
Right Out: -0.007 ± 0.000 χ^2/NDF : 1207003891.2/19

Left In: 0.107 ± 0.000 χ^2/NDF : 5700915300.7/4

0.118 ± 0.000 χ^2/NDF : 6905743700.9/22

0.053 ± 0.000 χ^2/NDF : 7213867269.4/24

yield_bpm0r03Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 679628.0/16

Left Out: 0.008+/-0.000 χ^2/NDF : 252788.3/5

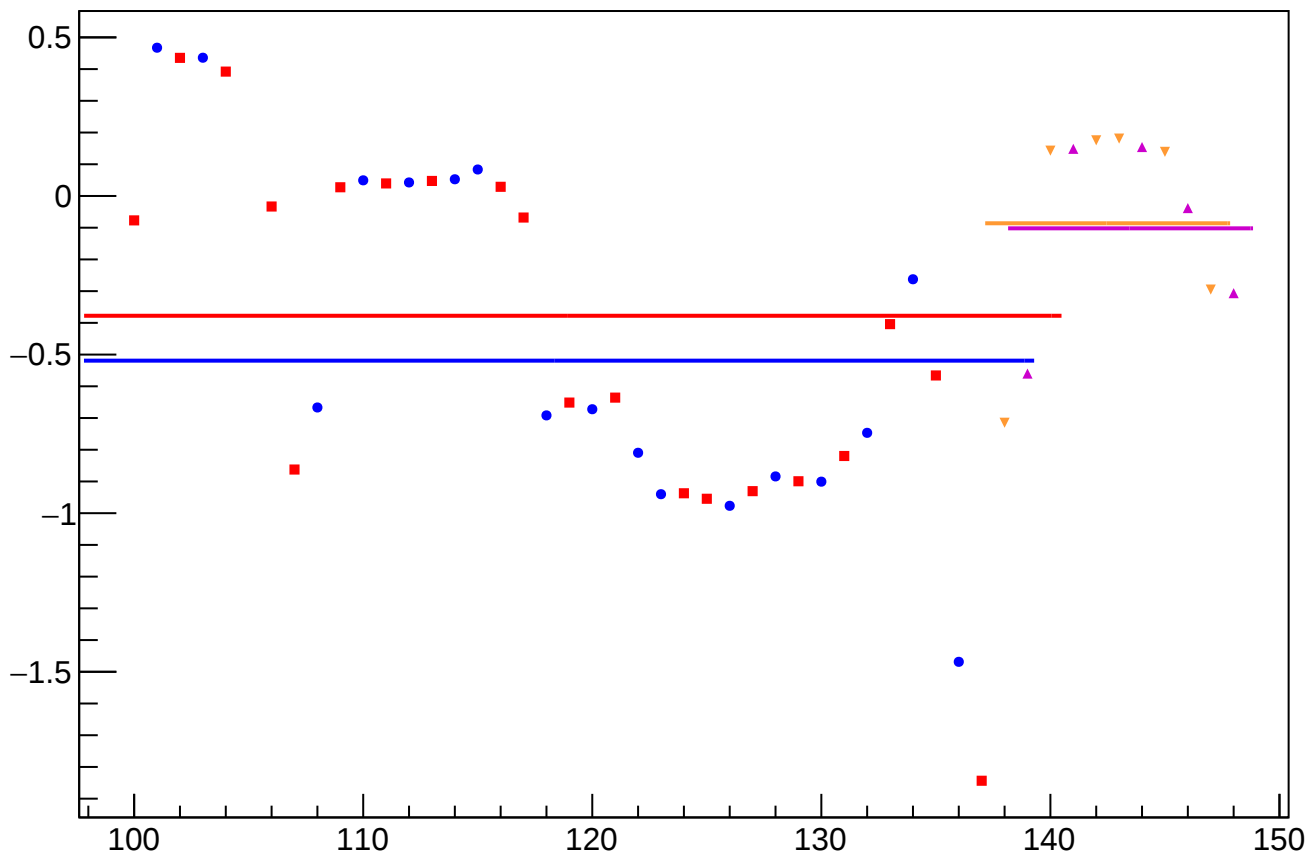
Right Out: 0.012+/-0.000 χ^2/NDF : 1012799.2/19

Left In: 0.008+/-0.000 χ^2/NDF : 193487.0/4

0.010+/-0.000 χ^2/NDF : 1443950.2/22

0.010+/-0.000 χ^2/NDF : 1702767.6/24

yield_bpm0r05X_mean vs Slug



Right In: -0.519 ± 0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.086 ± 0.000 χ^2/NDF : 66743839.3/5

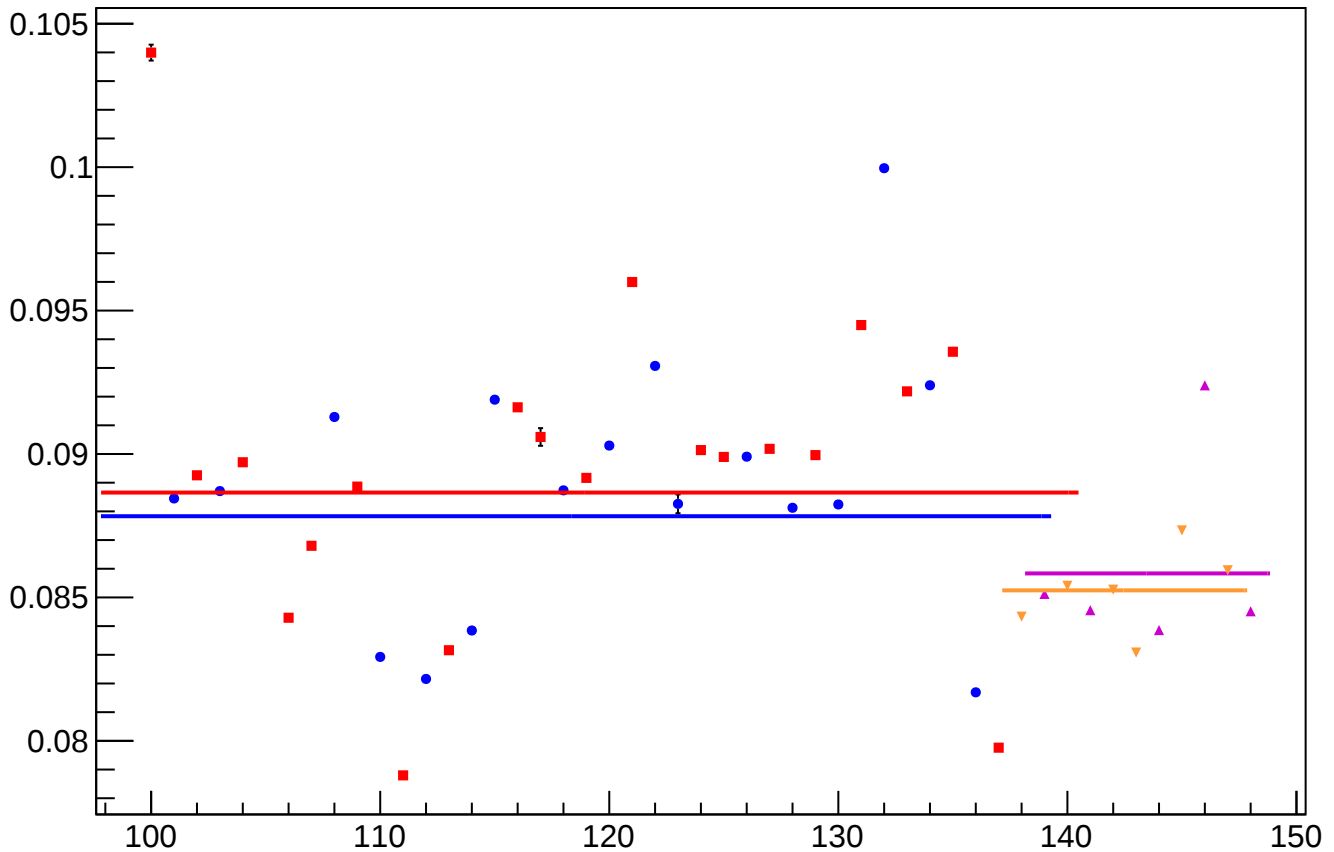
Right Out: -0.378 ± 0.000 χ^2/NDF : 269130827.6/19

Left In: -0.102 ± 0.000 χ^2/NDF : 39996761.8/4

-0.348 ± 0.000 χ^2/NDF : 470412815.6/22

-0.275 ± 0.000 χ^2/NDF : 334718689.9/24

yield_bpm0r05X_rms vs Slug



Right In: 0.088 ± 0.000 $\chi^2/\text{NDF}: 34954.4/16$

Left Out: 0.085 ± 0.000 $\chi^2/\text{NDF}: 2031.8/5$

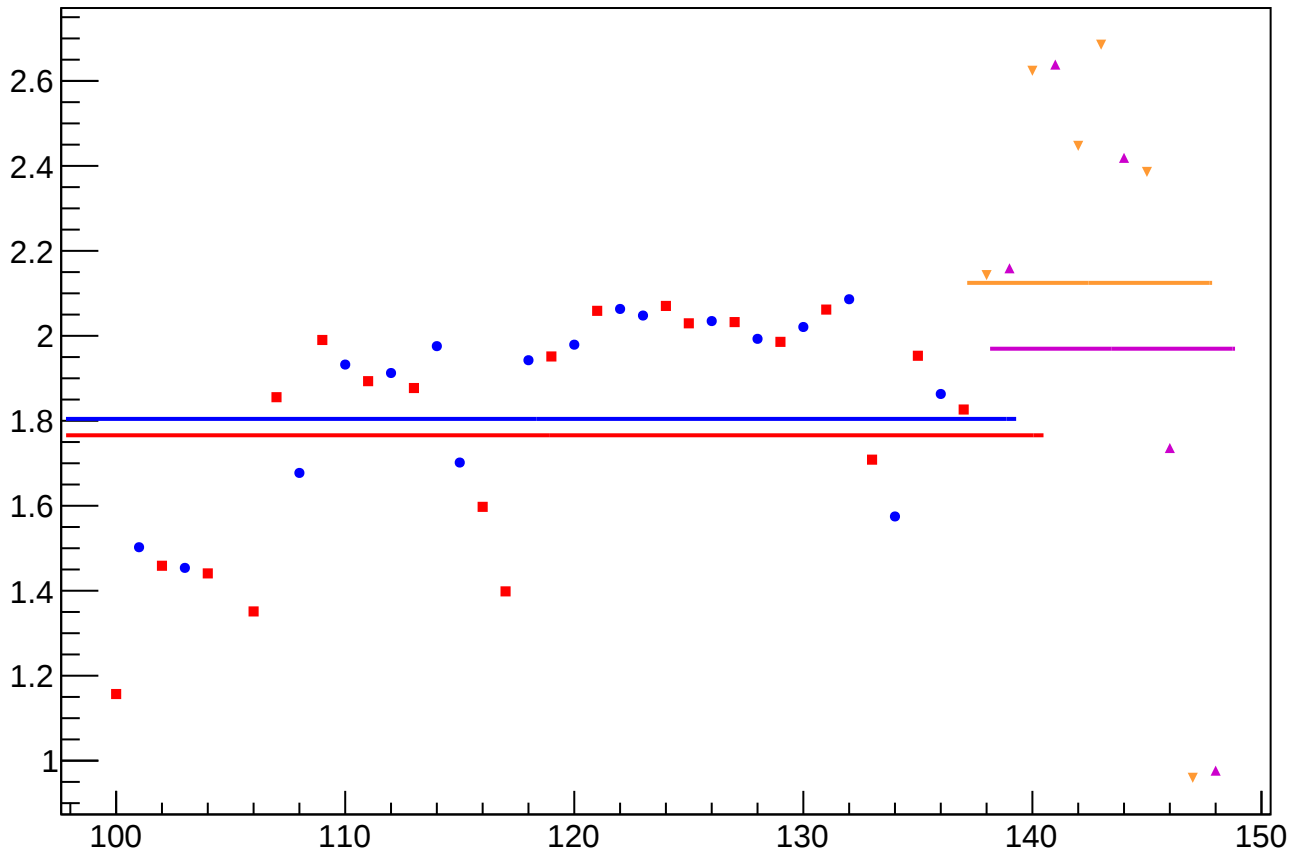
Right Out: 0.089 ± 0.000 $\chi^2/\text{NDF}: 39762.8/19$

Left In: 0.086 ± 0.000 $\chi^2/\text{NDF}: 9731.3/4$

0.087 ± 0.000 $\chi^2/\text{NDF}: 41567.5/22$

0.088 ± 0.000 $\chi^2/\text{NDF}: 54848.9/24$

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 ± 0.000 χ^2/NDF : 1156747883.2/16

Left Out: 2.125 ± 0.000 χ^2/NDF : 10110657572.8/5

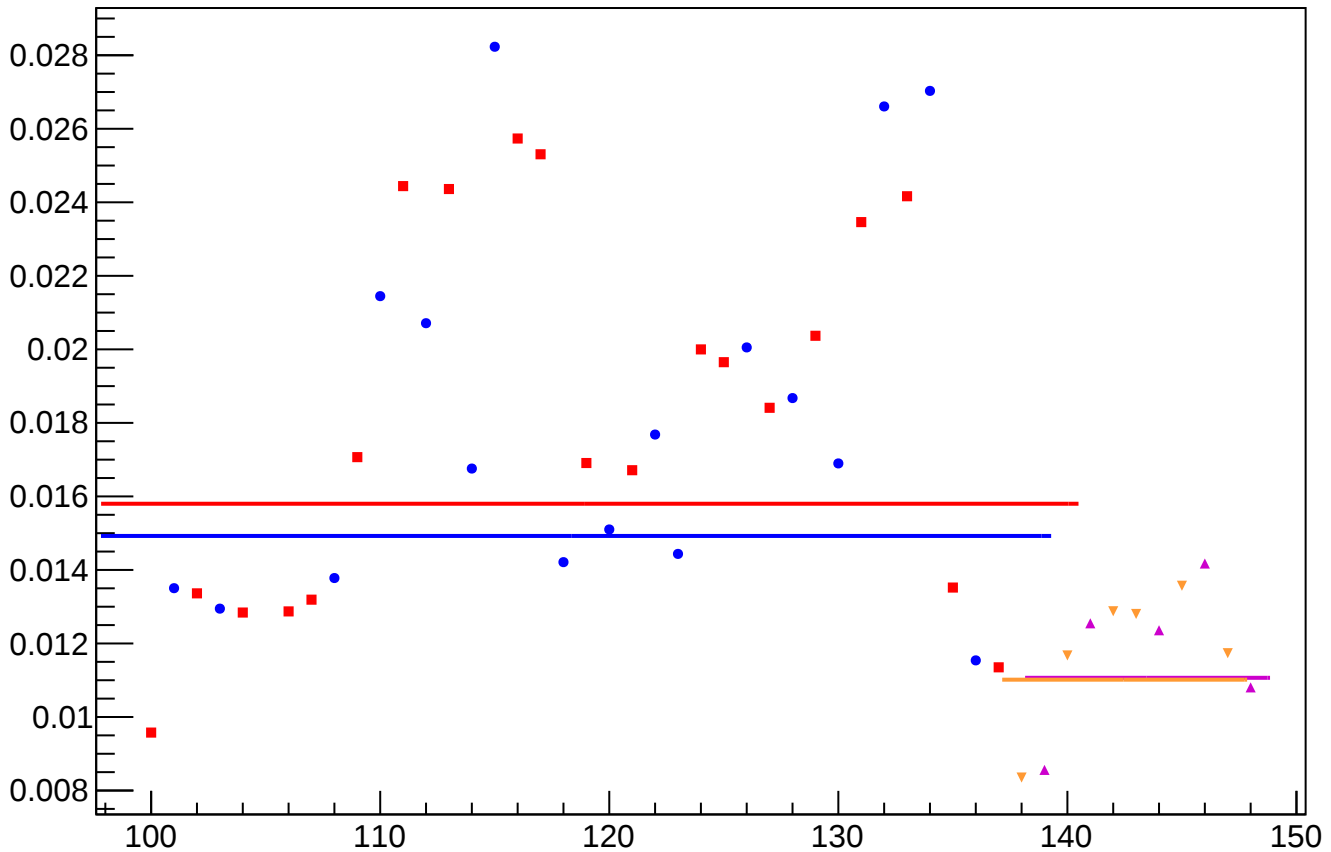
Right Out: 1.766 ± 0.000 χ^2/NDF : 1717275187.7/19

Left In: 1.970 ± 0.000 χ^2/NDF : 9979883208.1/4

1.976 ± 0.000 χ^2/NDF : 12688191192.2/22

1.876 ± 0.000 χ^2/NDF : 12241386270.8/24

yield_bpm0r05Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 643651.9/16

Left Out: 0.011+/-0.000 χ^2/NDF : 240130.4/5

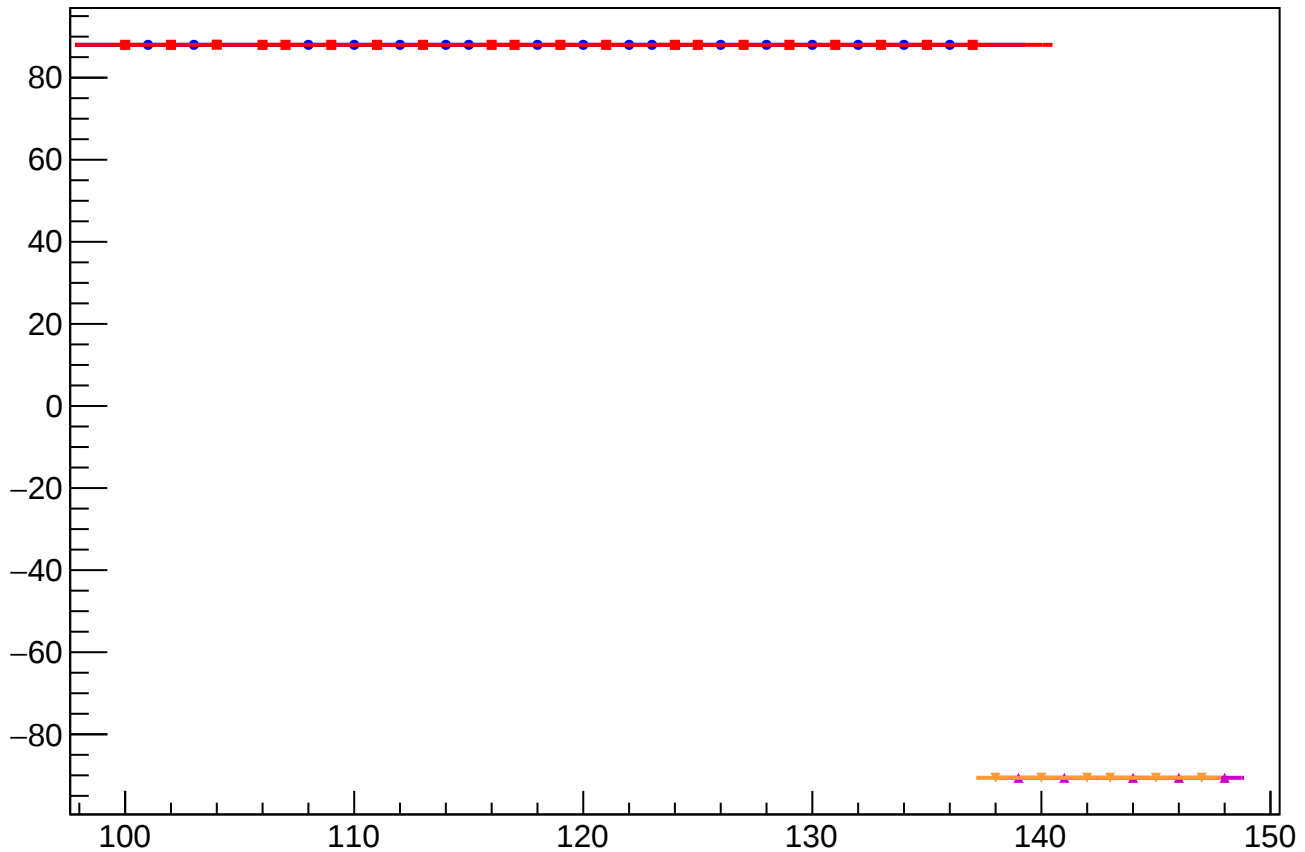
Right Out: 0.016+/-0.000 χ^2/NDF : 796839.8/19

Left In: 0.011+/-0.000 χ^2/NDF : 214096.4/4

0.013+/-0.000 χ^2/NDF : 1307398.5/22

0.013+/-0.000 χ^2/NDF : 1598476.1/24

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 : 2817382.0/5

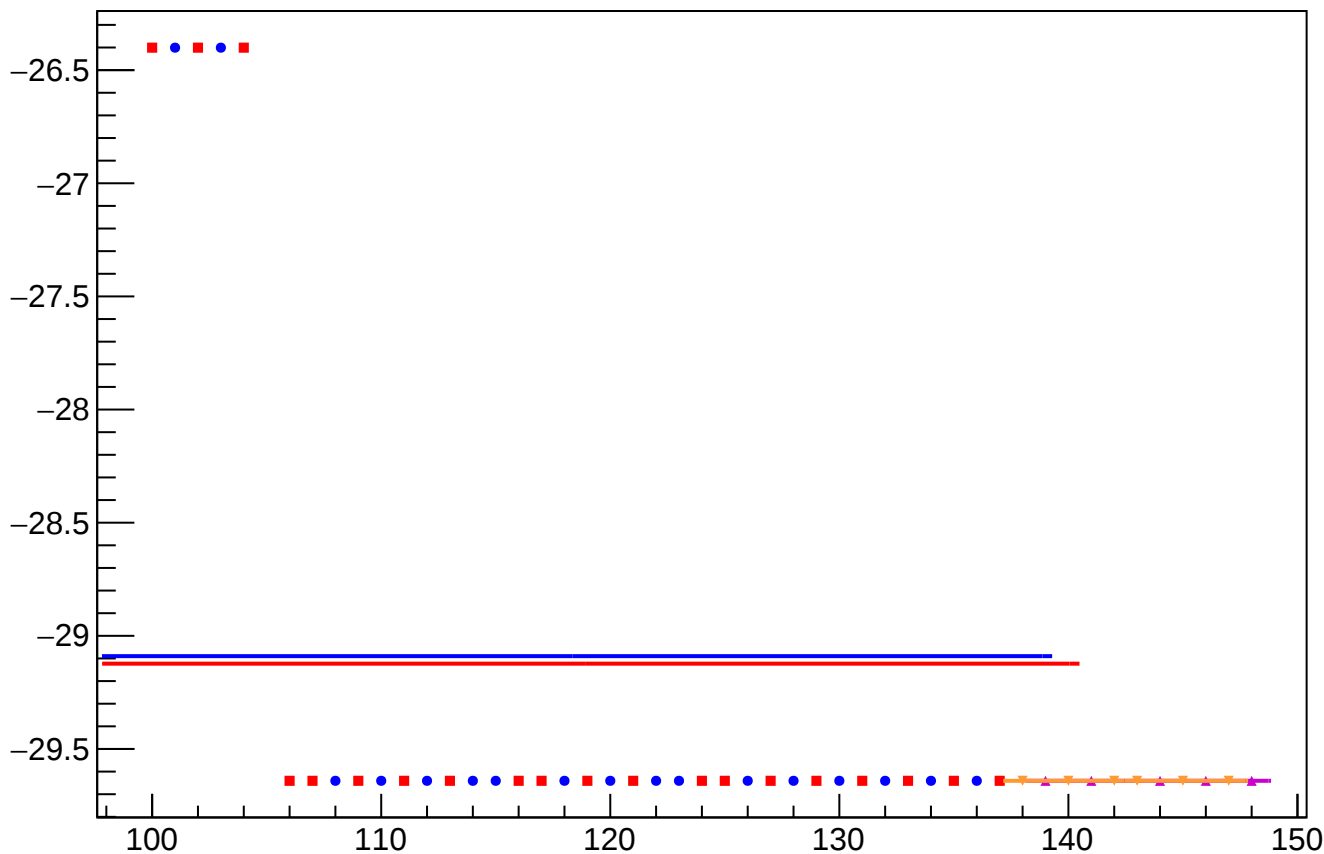
19.479+/-0.000 χ^2/NDF : 849312929989342237

Right Out: 88.004+/-0.000 χ^2/NDF : 77578366411928007427611426816.0/19

23.543+/-0.000 χ^2/NDF : 835831776016423940

Left In: -90.599+/-0.000 χ^2/NDF : 799513.7/4

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 : 160170.3/5

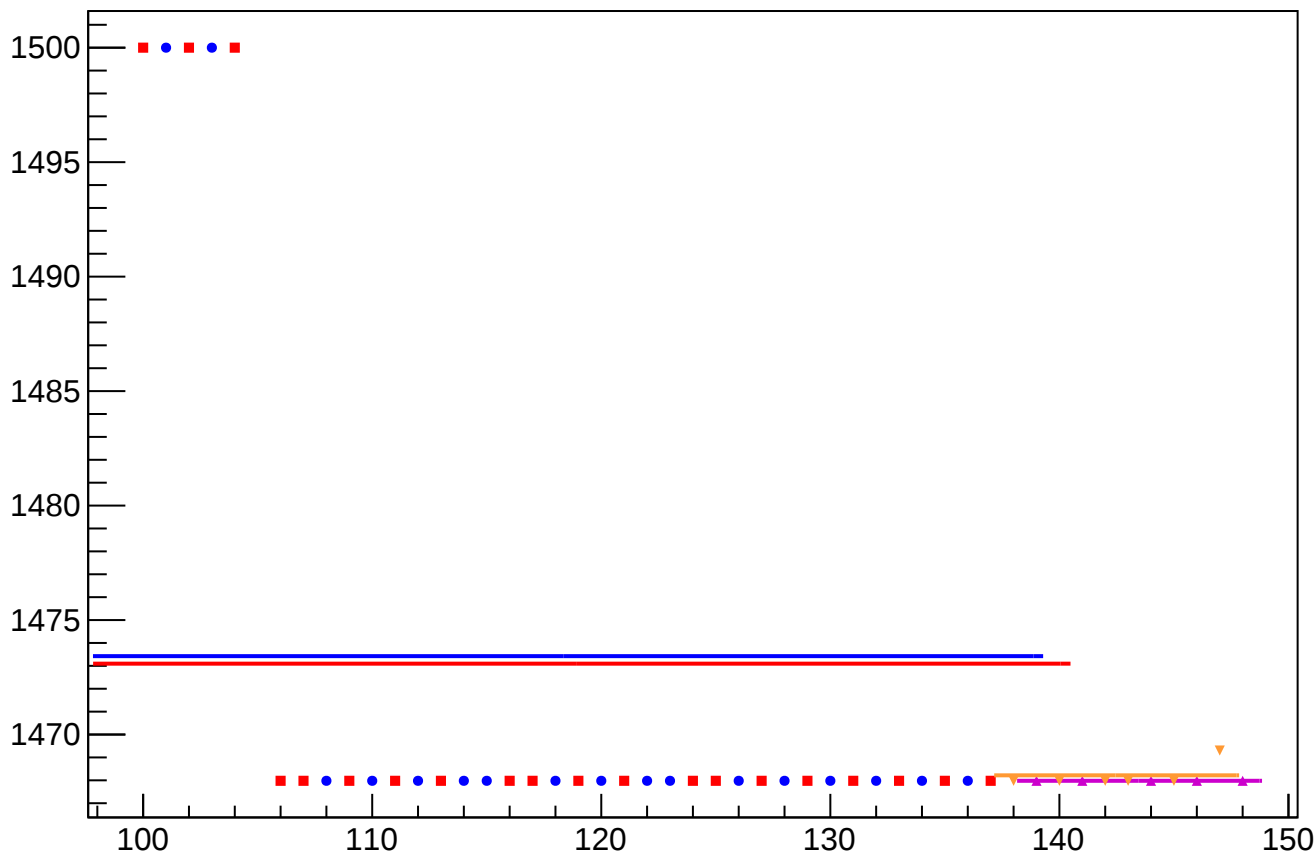
Right Out: -26.41+/-0.000 χ^2/NDF : 1023154512396702254583444720844800.0/19

Left In: -29.641+/-0.000 χ^2/NDF : 28777.6/4

-29.301+/-0.000 χ^2/NDF : 11089045598579036

-29.310+/-0.000 χ^2/NDF : 10933767887323853

epics_psub_pl_poss_mean vs Slug



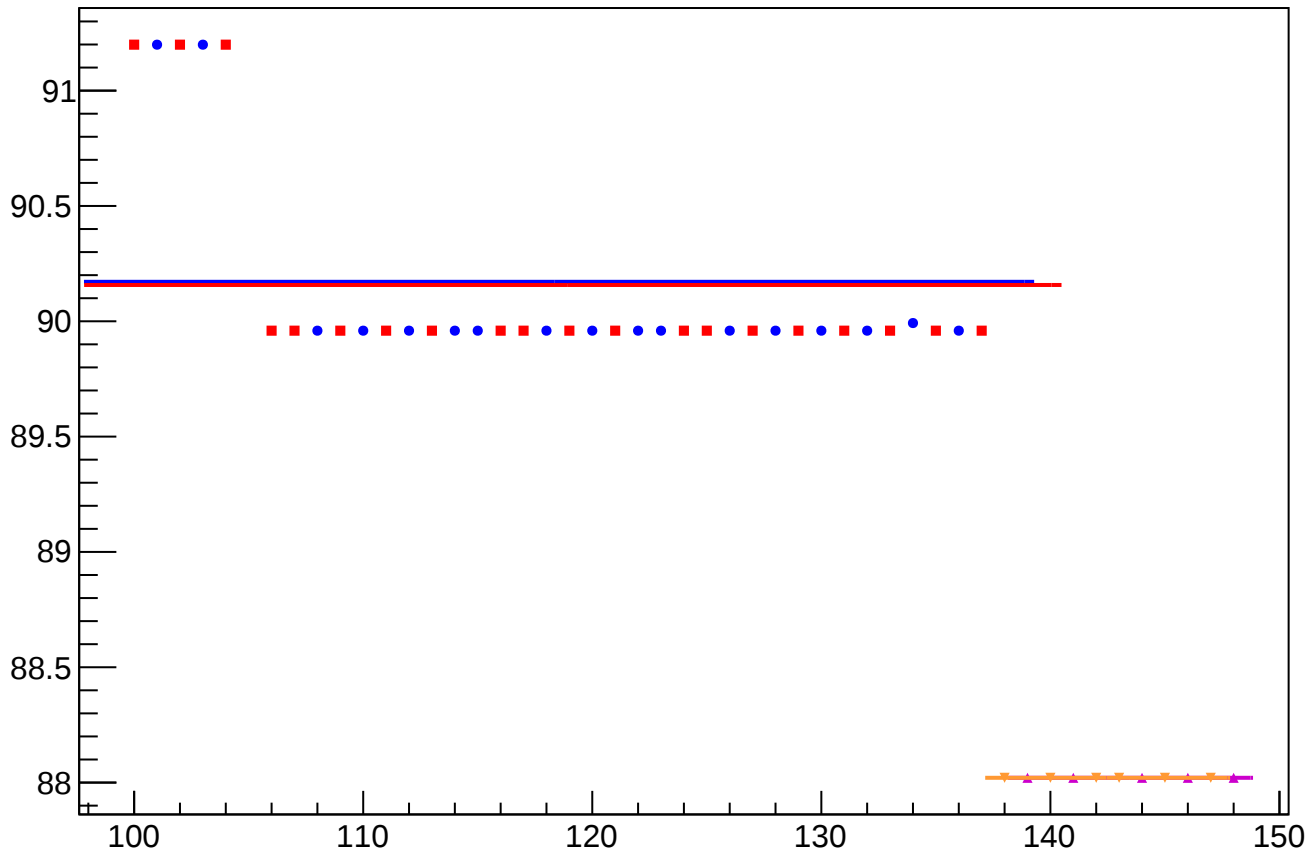
Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1468.218+/-0.000 χ^2/NDF : 111742903373738728291750268370944.0/5

Right Out: 1473.096+/-0.000 χ^2/NDF : 99938310777099611815298348687032320.0/19

Left In: 1467.979+/-0.000 χ^2/NDF : 40790344.0/4

epics_Phi_FGs_mean vs Slug



Right In: 90.171+/-0.000 χ^2/NDF : 150316905454500935857801185460224.0/16

Left Out: 88.021+/-0.000 χ^2/NDF : 2545155.6/5

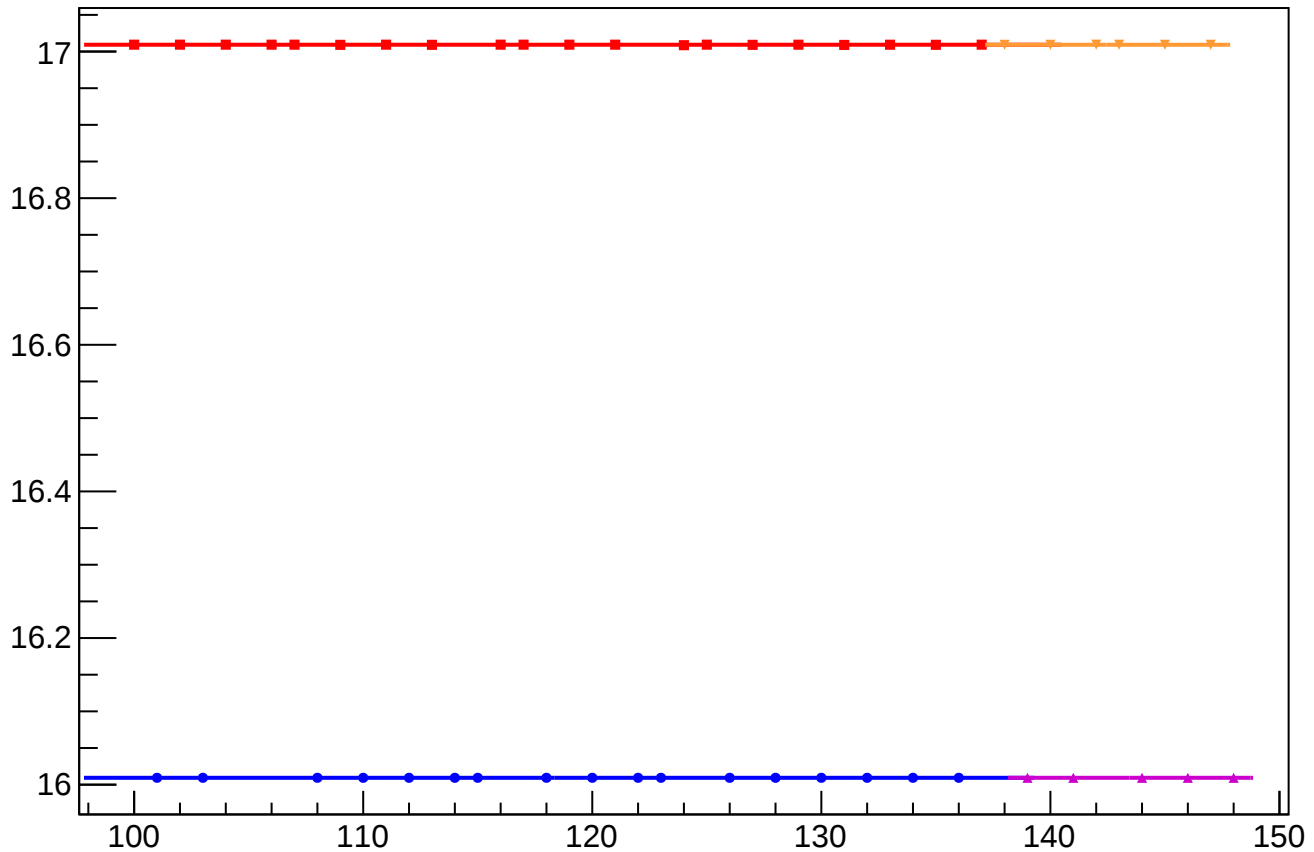
89.346+/-0.000 χ^2/NDF : 138159245844447754

Right Out: 90.157+/-0.000 χ^2/NDF : 149863052341628336344772108091392.0/19

89.386+/-0.000 χ^2/NDF : 134615607021077500

Left In: 88.021+/-0.000 χ^2/NDF : 855857.3/4

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF : 44327.7/16

Left Out: 17.009+/-0.000 χ^2/NDF : 1057236091048120589221888.0/5

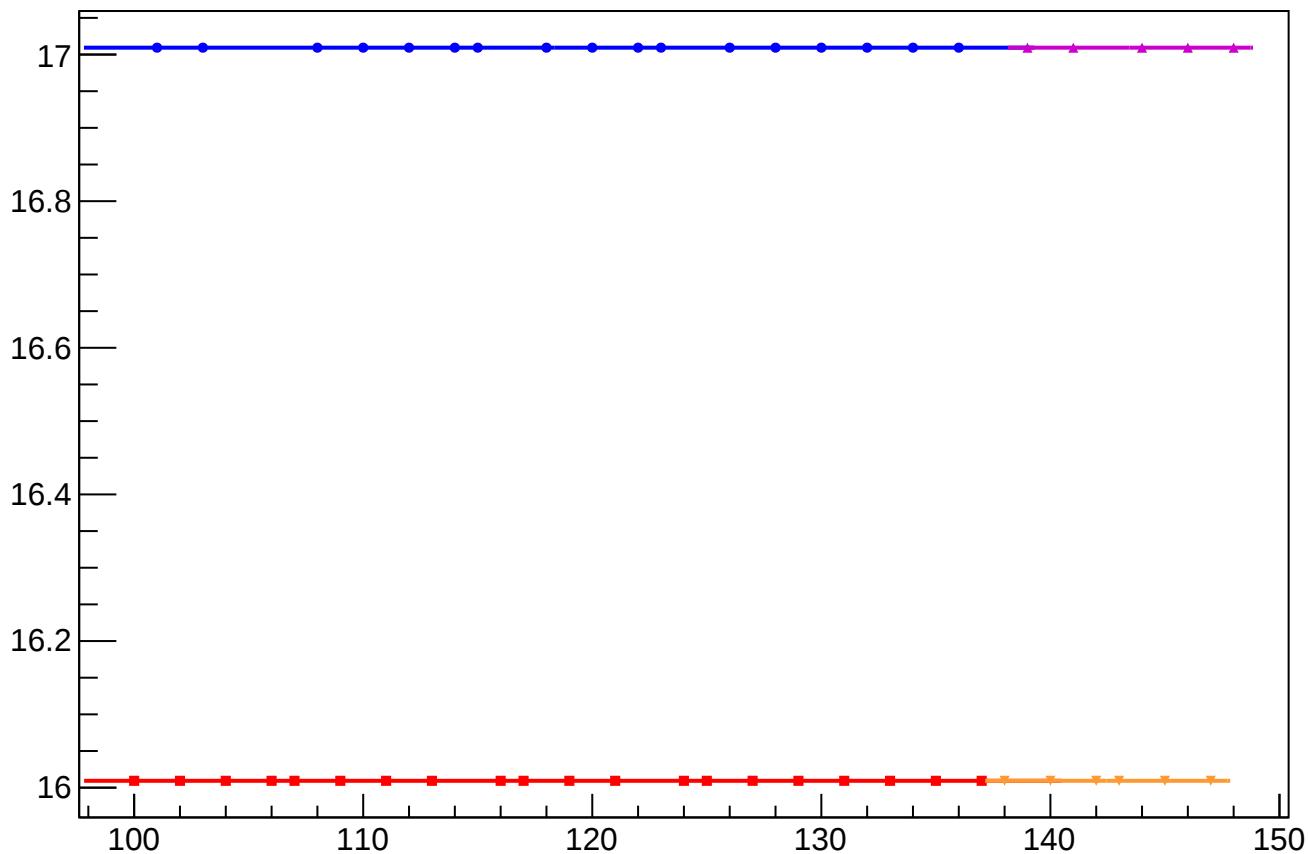
Right Out: 17.009+/-0.000 χ^2/NDF : 12548783366686740957888512.0/19

Left In: 16.009+/-0.000 χ^2/NDF : 19803.6/4

16.378+/-0.000 χ^2/NDF : 244161808300251507

16.637+/-0.000 χ^2/NDF : 244822235439545143

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 : 25950.4/5

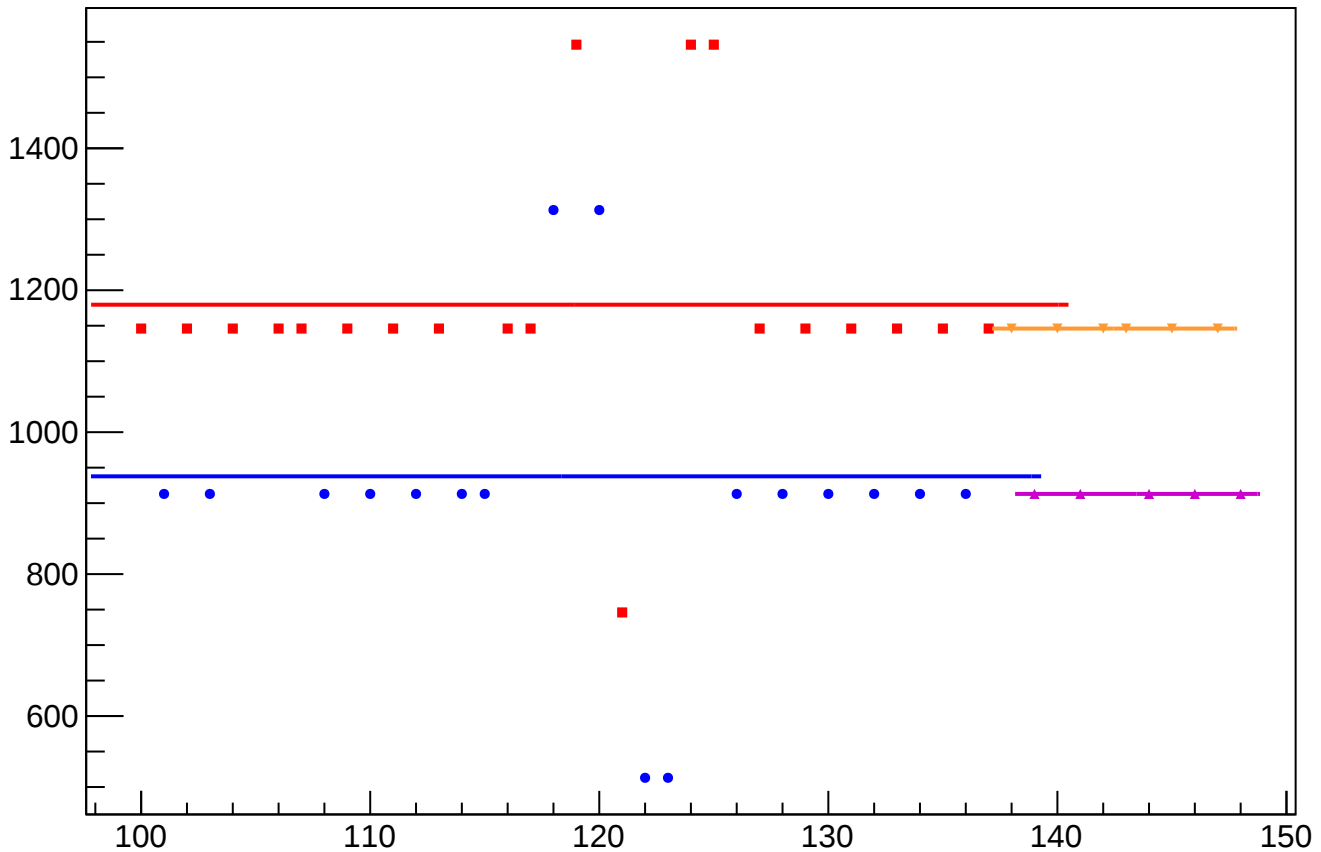
Right Out: 16.009+/-0.000 χ^2/NDF : 42750.0/19

Left In: 17.009+/-0.000 χ^2/NDF : 9870.2/4

16.619+/-0.000 χ^2/NDF : 25846040515653250

16.373+/-0.000 χ^2/NDF : 261107174490677129

epics_RTPAPOSUCNTs_mean vs Slug



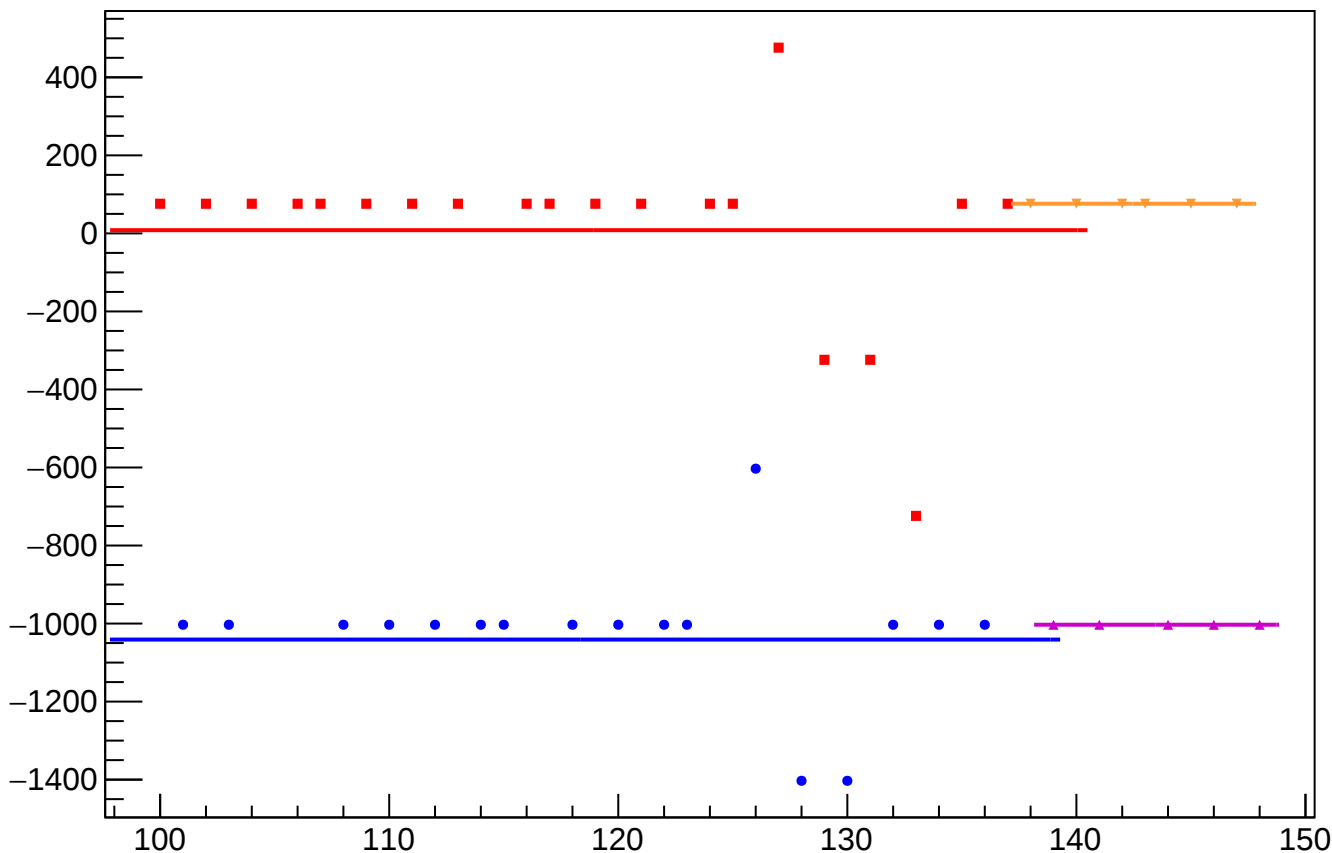
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.011+/-0.000 χ^2/NDF : 1551425447580748425432399872.0/5

Right Out: 1179.619+/-0.000 χ^2/NDF : 21420659731738679306829480097874968576.0/19

Left In: 912.994+/-0.000 χ^2/NDF : 8691094281987820851602391040.0/4

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 : 2546716917690925150690607104.0/5 χ^2/NDF : 3549082027684906

Right Out: 8.240+/-0.000 χ^2/NDF : 43865391744972338137265798243810279424.0/19

Left In: -1002.989+/-0.000 χ^2/NDF : 656940044501477242787856384.0/4 χ^2/NDF : 3118078922561782