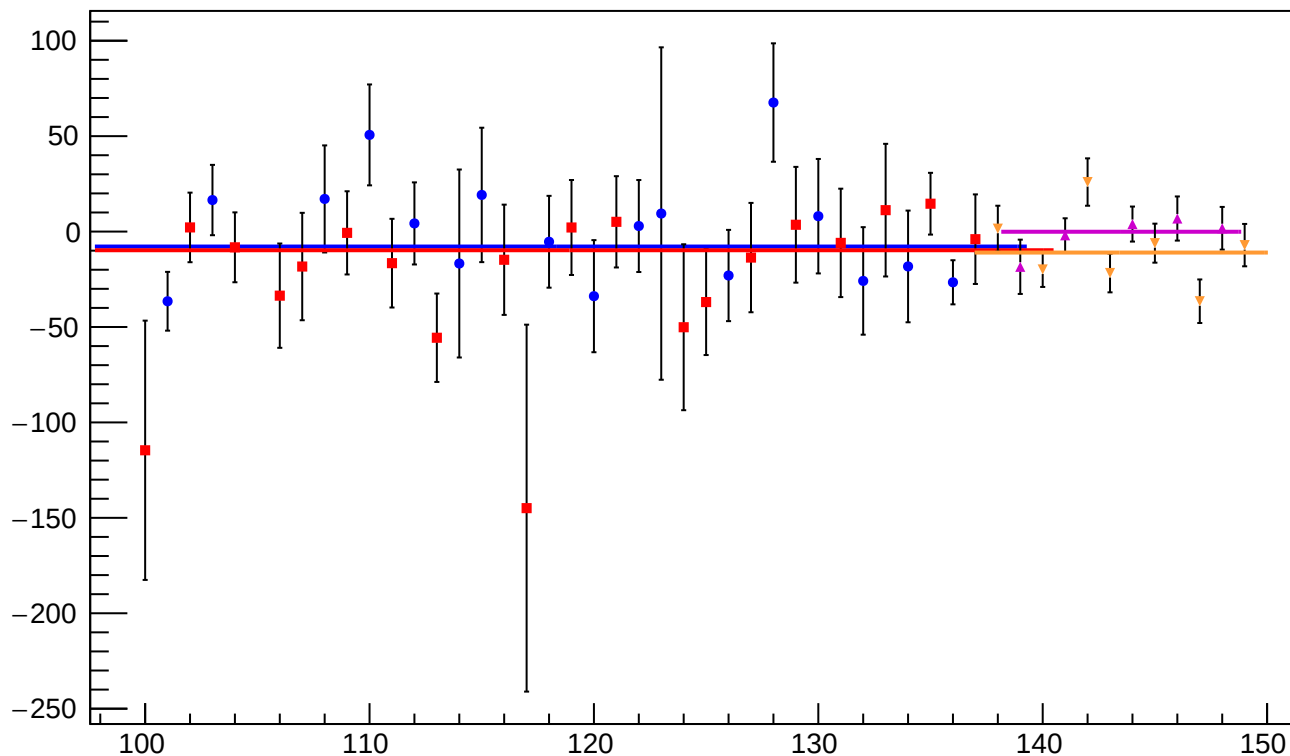


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

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

-9.907 ± 3.294

$\chi^2/\text{NDF}: 40.2/23$

Left Out: -10.995 ± 4.069

$\chi^2/\text{NDF}: 17.3/6$

Right Out: -9.781 ± 5.667

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

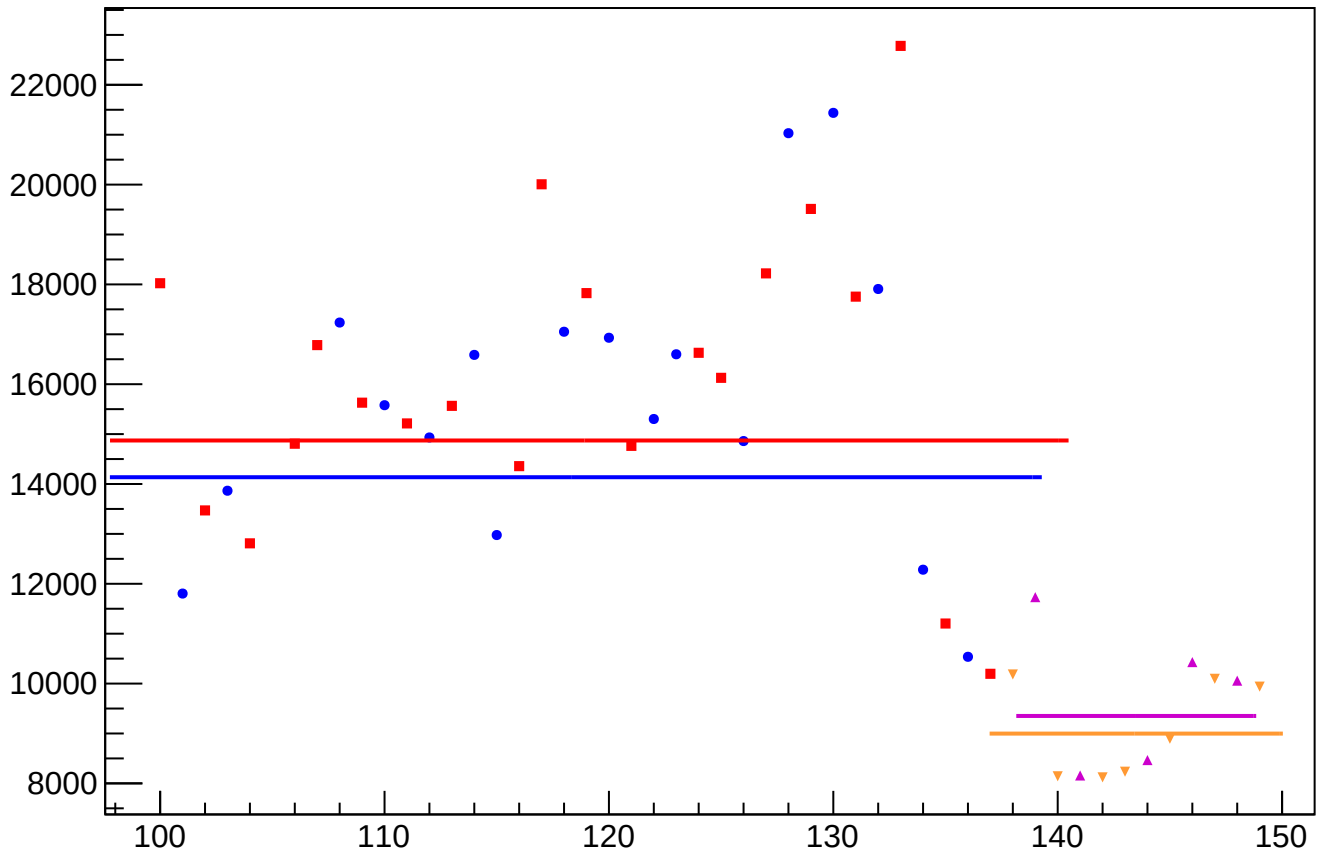
-4.062 ± 3.628

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

Left In: -0.093 ± 4.722

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

diff_bpm4aX_rms vs Slug



Right In: 14135.800 $\pm$ 3.966 χ^2 /NDF: 597179.4/16

Left Out: 8997.598 $\pm$ 2.878 χ^2 /NDF: 91290.6/6

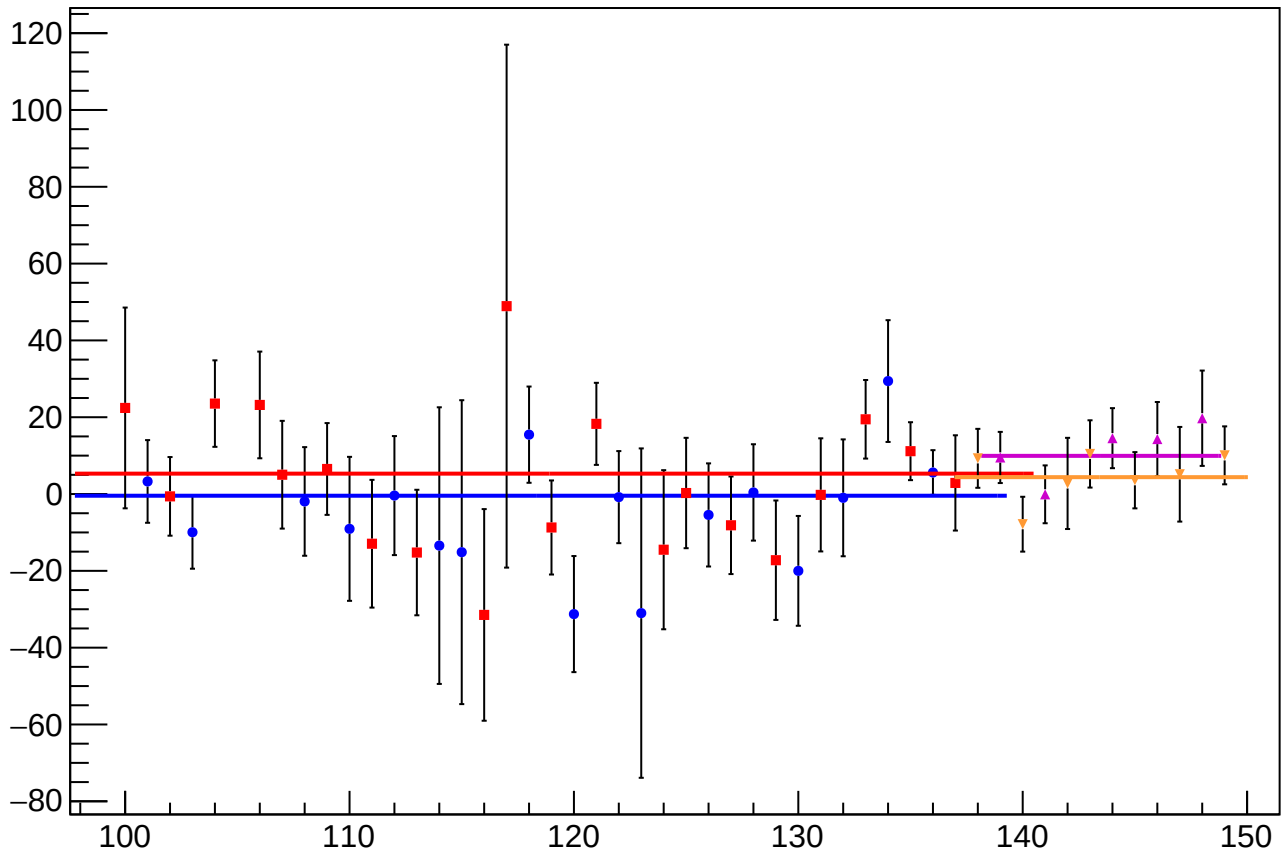
Right Out: 14871.940 $\pm$ 4.007 χ^2 /NDF: 477742.9/19

Left In: 9351.210 $\pm$ 3.339 χ^2 /NDF: 135814.2/4

10769.796 $\pm$ 2.329 χ^2 /NDF: 1788211.3/23

11613.275 $\pm$ 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: 4.394 ± 3.170 $\chi^2/\text{NDF}: 4.4/6$

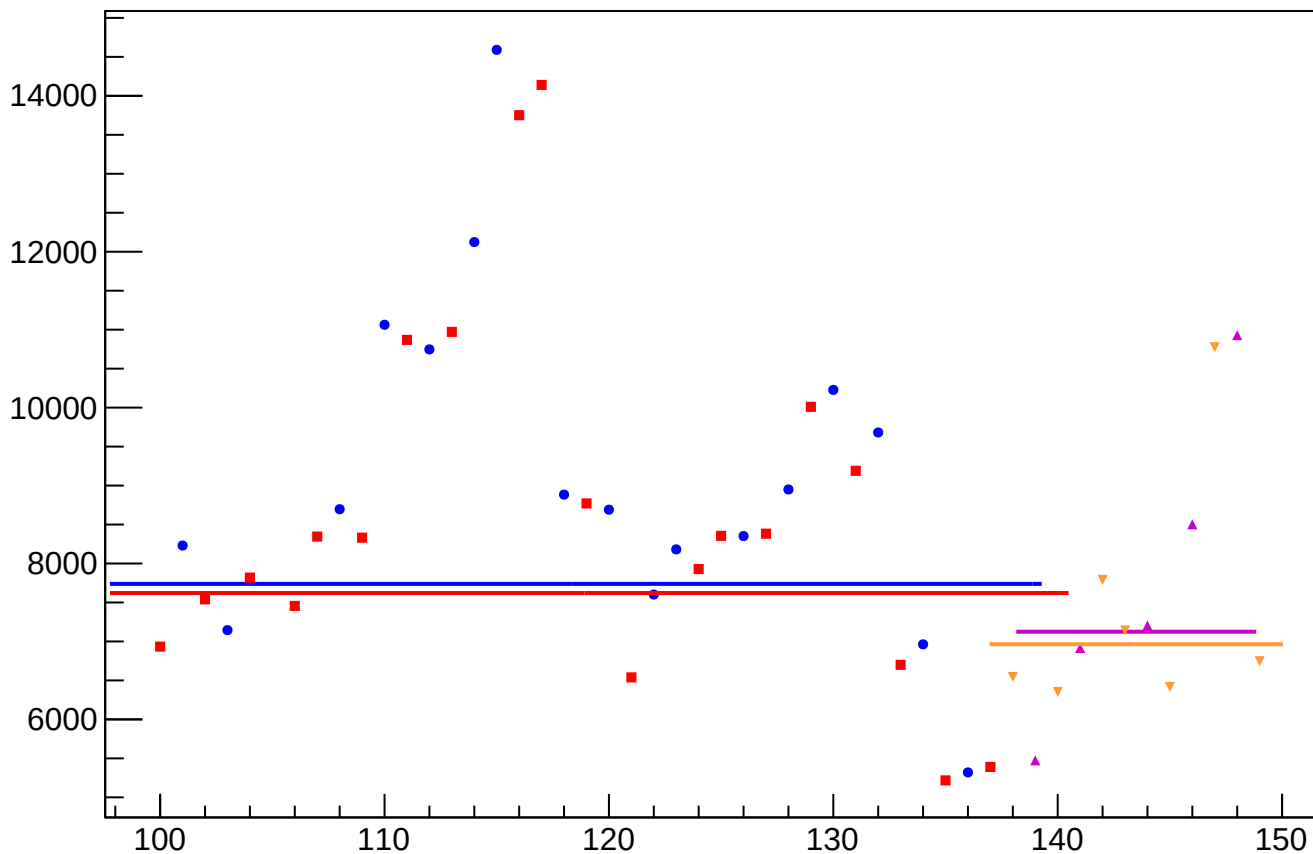
Right Out: 5.310 ± 2.933 $\chi^2/\text{NDF}: 19.8/19$

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

1.899 ± 2.206 $\chi^2/\text{NDF}: 20.2/23$

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

diff_bpm4aY_rms vs Slug



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

Left Out: 6964.603 $\pm$ 2.242 χ^2 /NDF: 235226.1/6

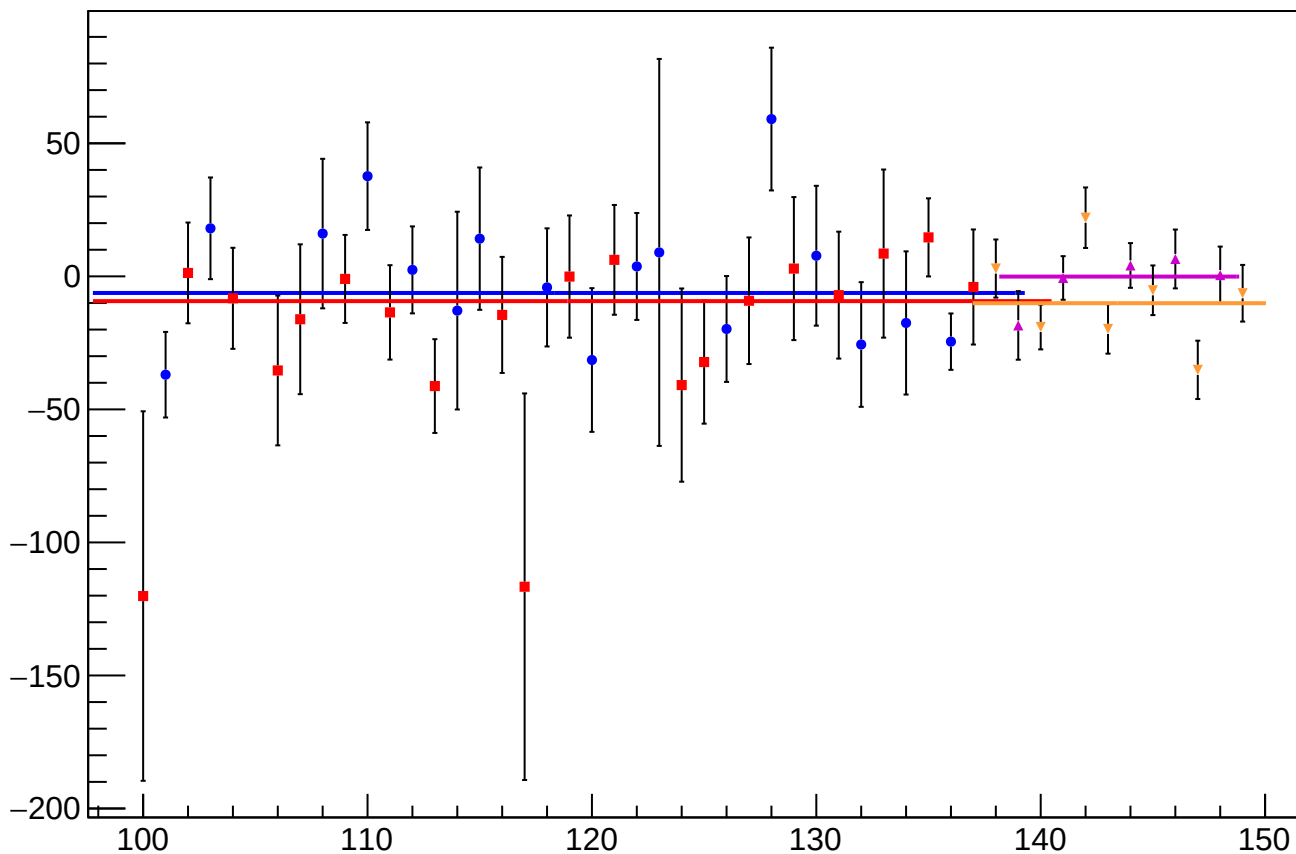
Right Out: 7621.652 $\pm$ 2.074 χ^2 /NDF: 697548.6/19

Left In: 7124.537 $\pm$ 2.603 χ^2 /NDF: 353231.8/4

7364.037 $\pm$ 1.560 χ^2 /NDF: 1037611.0/23

7428.642 $\pm$ 1.622 χ^2 /NDF: 1073085.9/24

diff_bpm4eX_mean vs Slug



Right In: -6.244 ± 5.017 $\chi^2/\text{NDF}: 23.2/16$

Left Out: -10.088 ± 3.769 $\chi^2/\text{NDF}: 17.2/6$

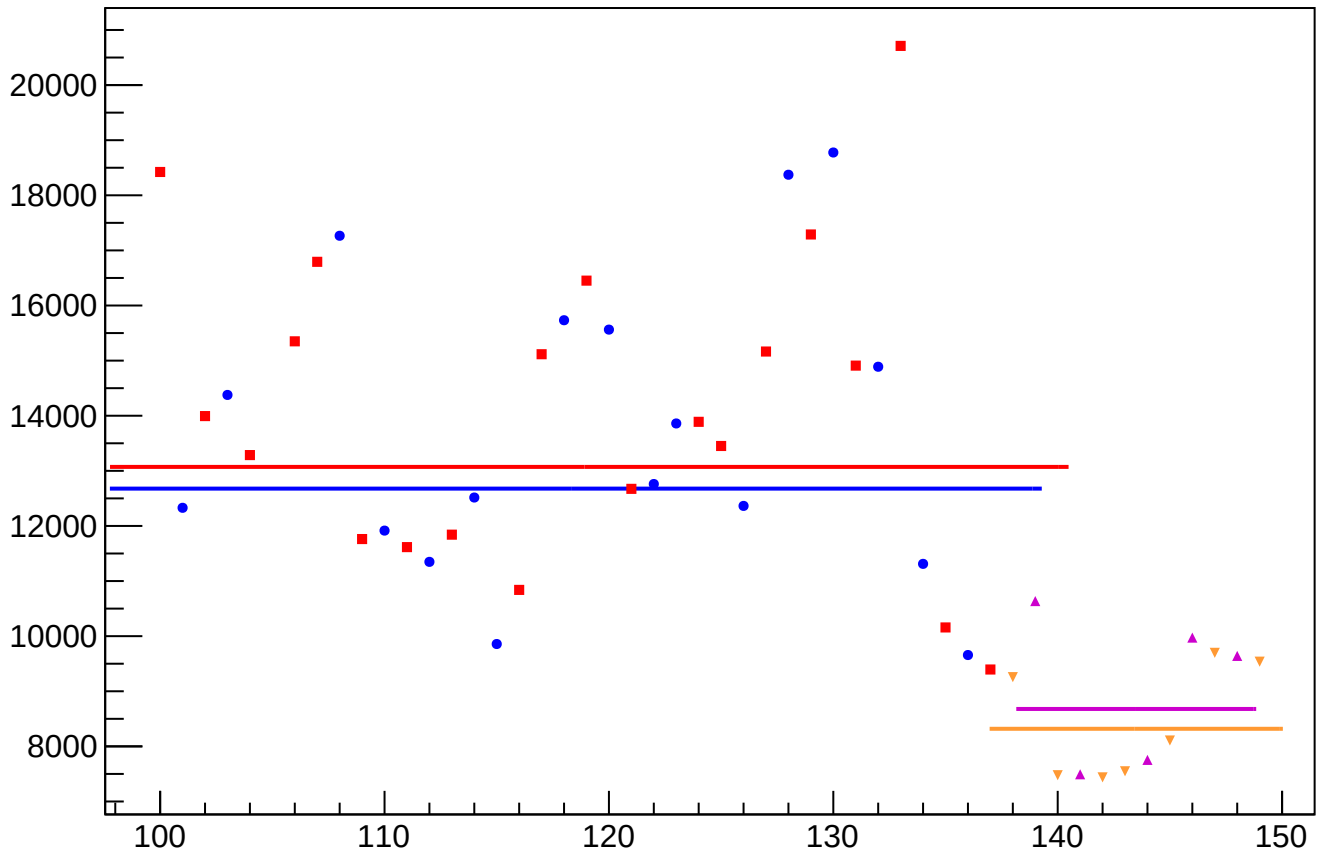
Right Out: -9.310 ± 4.987 $\chi^2/\text{NDF}: 15.3/19$

Left In: -0.085 ± 4.388 $\chi^2/\text{NDF}: 2.6/4$

-8.702 ± 3.013 $\chi^2/\text{NDF}: 40.8/23$

-4.110 ± 3.294 $\chi^2/\text{NDF}: 19.9/24$

diff_bpm4eX_rms vs Slug



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

Left Out: 8319.173+/-2.665 χ^2/NDF :119308.5/6

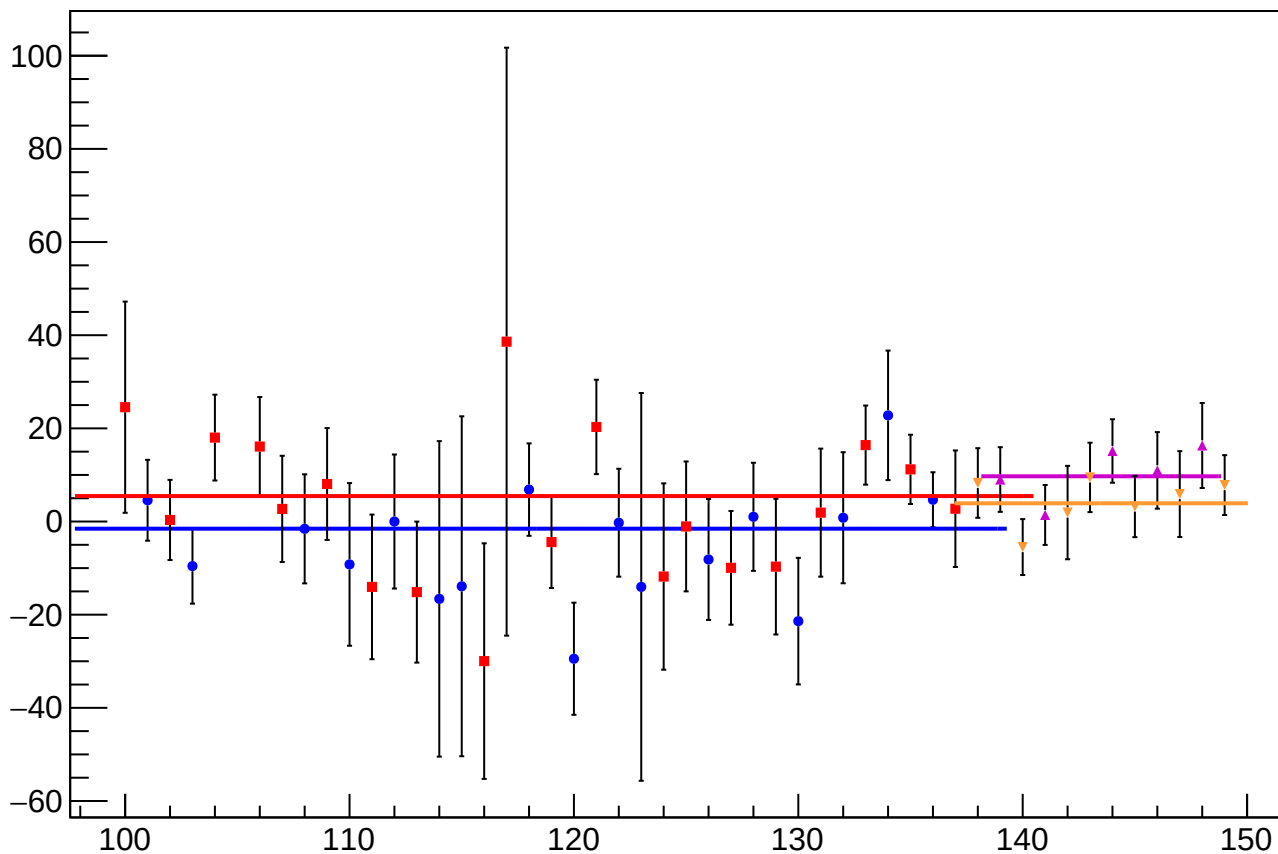
9891.358+/-2.131 χ^2/NDF : 1637650.2/23

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

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

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

diff_bpm4eY_mean vs Slug



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

Left Out: 3.912 ± 2.744 $\chi^2/\text{NDF}: 3.8/6$

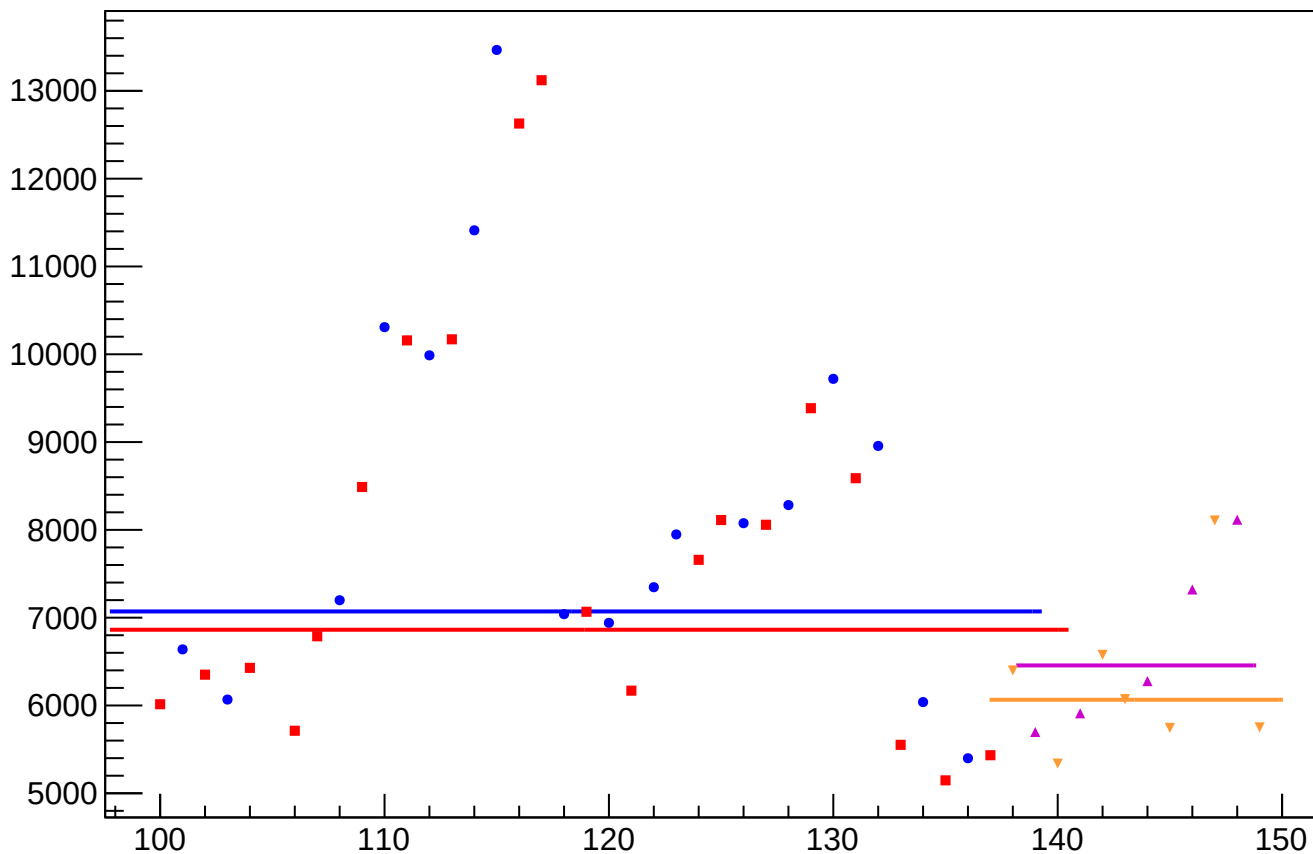
Right Out: 5.463 ± 2.637 $\chi^2/\text{NDF}: 18.9/19$

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

1.233 ± 1.957 $\chi^2/\text{NDF}: 20.6/23$

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: 6065.103+/-1.941 χ^2/NDF :146206.1/6

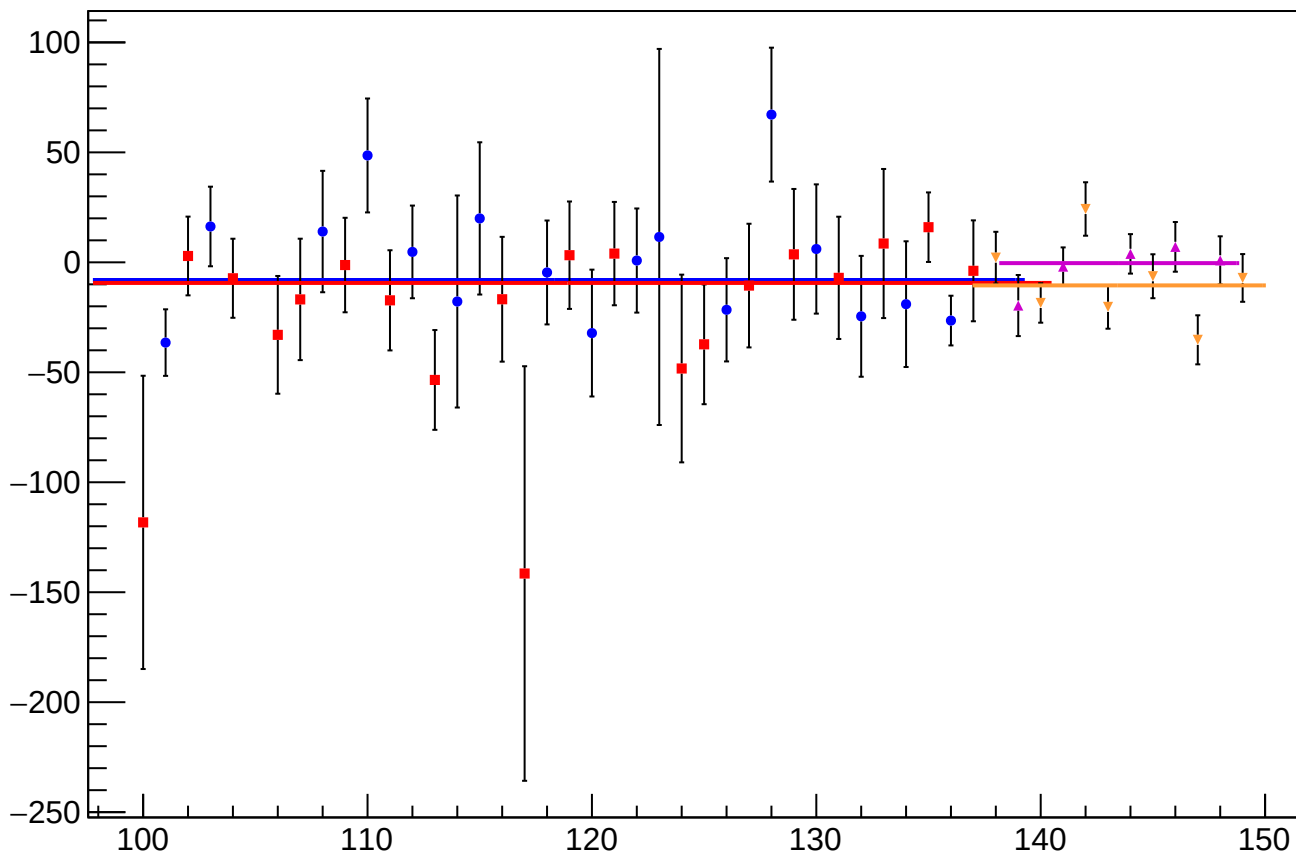
Right Out: 6862.551+/-1.865 χ^2/NDF : 704099.3/19

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

6559.730+/-1.384 χ^2/NDF : 879072.8/23

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

diff_bpm4acX_mean vs Slug



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

Left Out: -10.490 ± 3.980 χ^2/NDF : 16.3/6

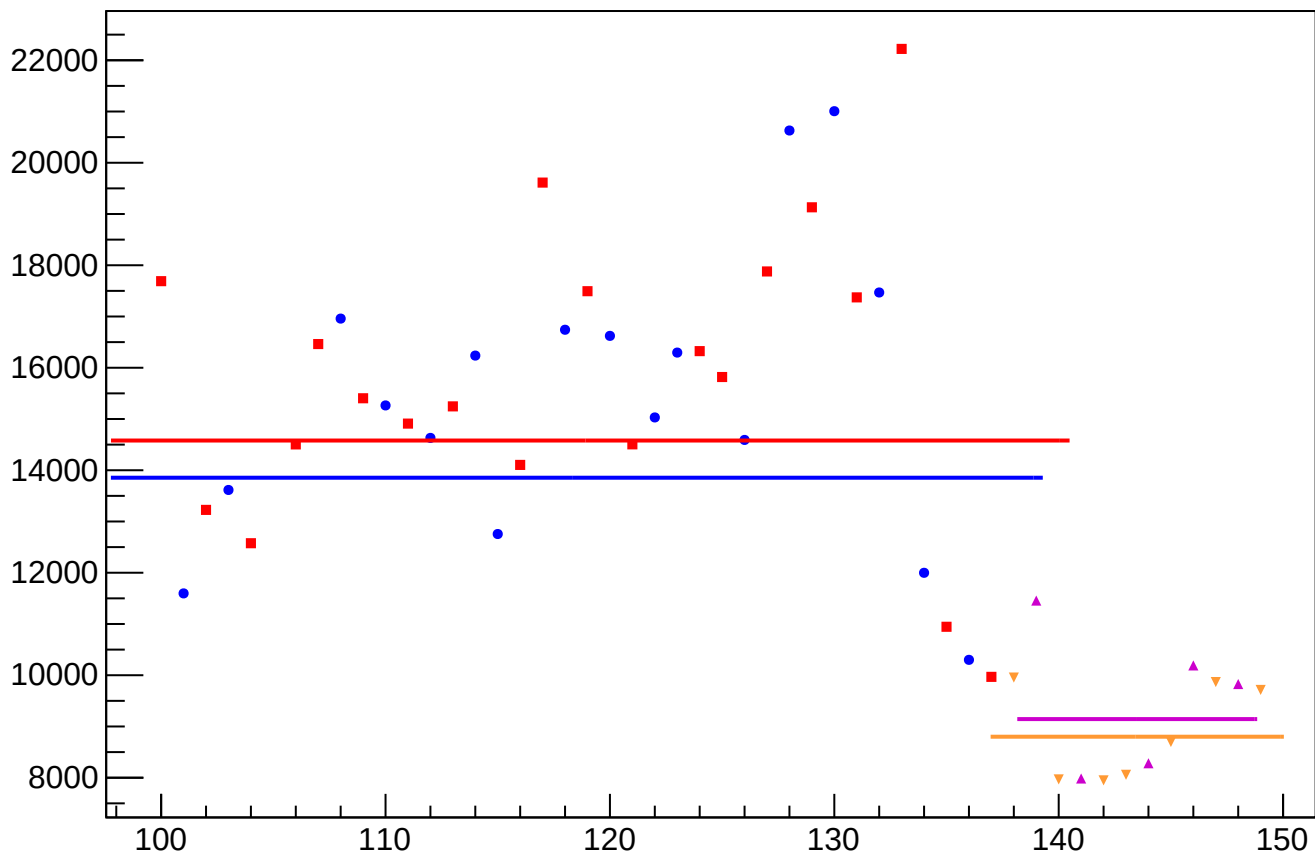
Right Out: -9.368 ± 5.556 χ^2/NDF : 15.7/19

Left In: -0.363 ± 4.617 χ^2/NDF : 2.6/4

-9.646 ± 3.224 χ^2/NDF : 39.0/23

-4.041 ± 3.551 χ^2/NDF : 19.8/24

diff_bpm4acX_rms vs Slug



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

Left Out: 8800.380+/-2.814 χ^2/NDF : 90226.2/6

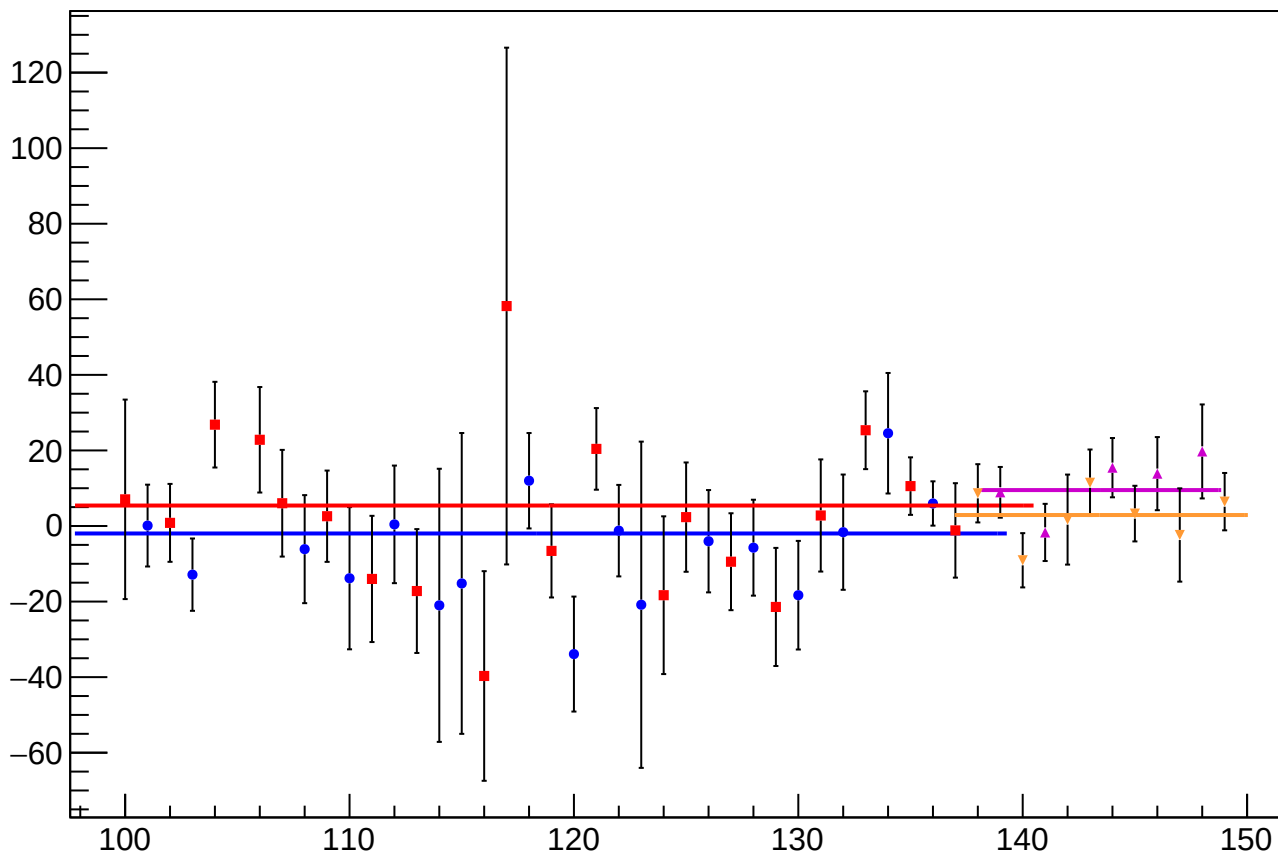
Right Out: 14579.863+/-3.929 χ^2/NDF : 480003.4/19

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

10538.203+/-2.279 χ^2/NDF : 1800231.9/23

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

diff_bpm4acY_mean vs Slug



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

Left Out: 2.905 ± 3.185 $\chi^2/\text{NDF}: 4.7/6$

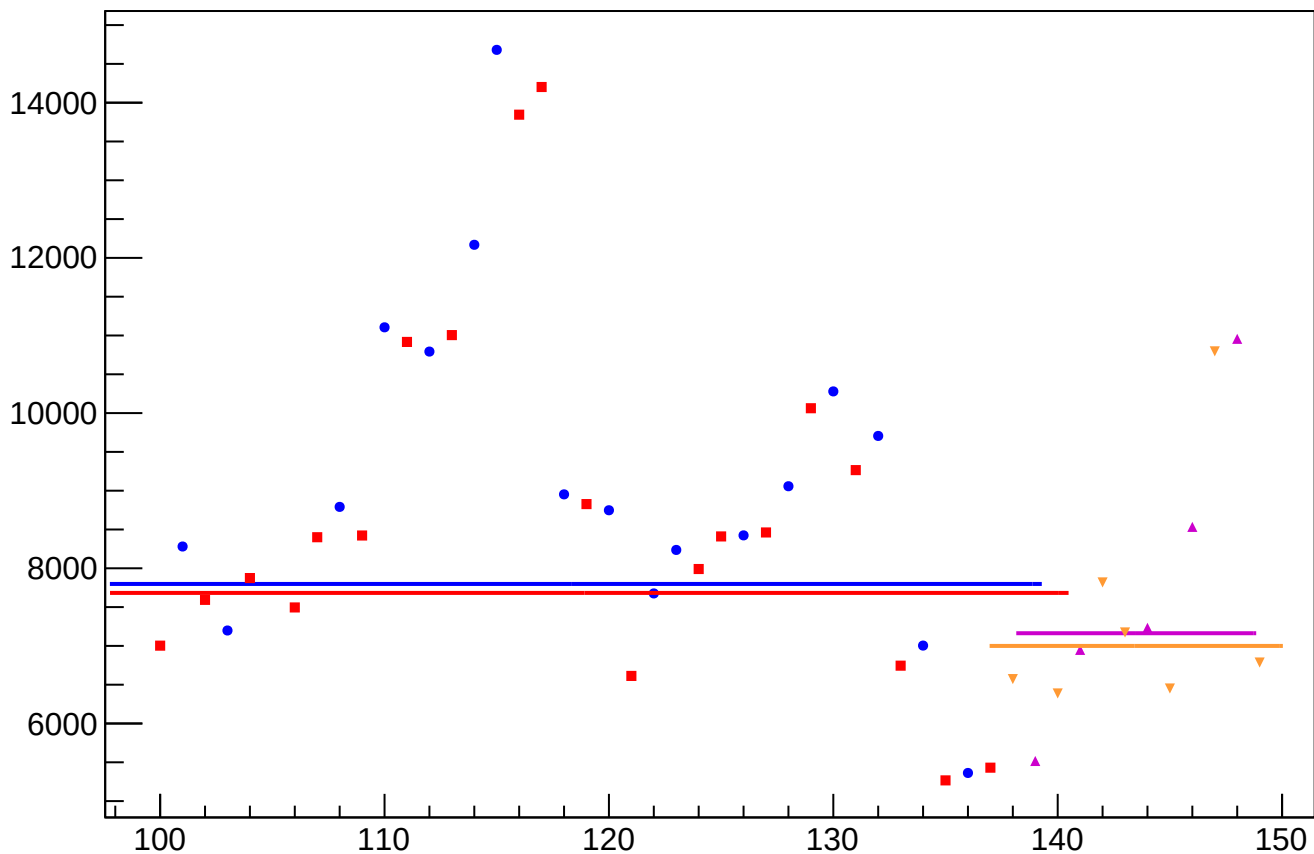
Right Out: 5.417 ± 2.956 $\chi^2/\text{NDF}: 24.9/19$

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

0.392 ± 2.219 $\chi^2/\text{NDF}: 20.0/23$

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

diff_bpm4acY_rms vs Slug



Right In: 7798.267 $\pm$ 2.188 χ^2 /NDF: 736283.6/16

Left Out: 6999.655 $\pm$ 2.252 χ^2 /NDF: 232646.0/6

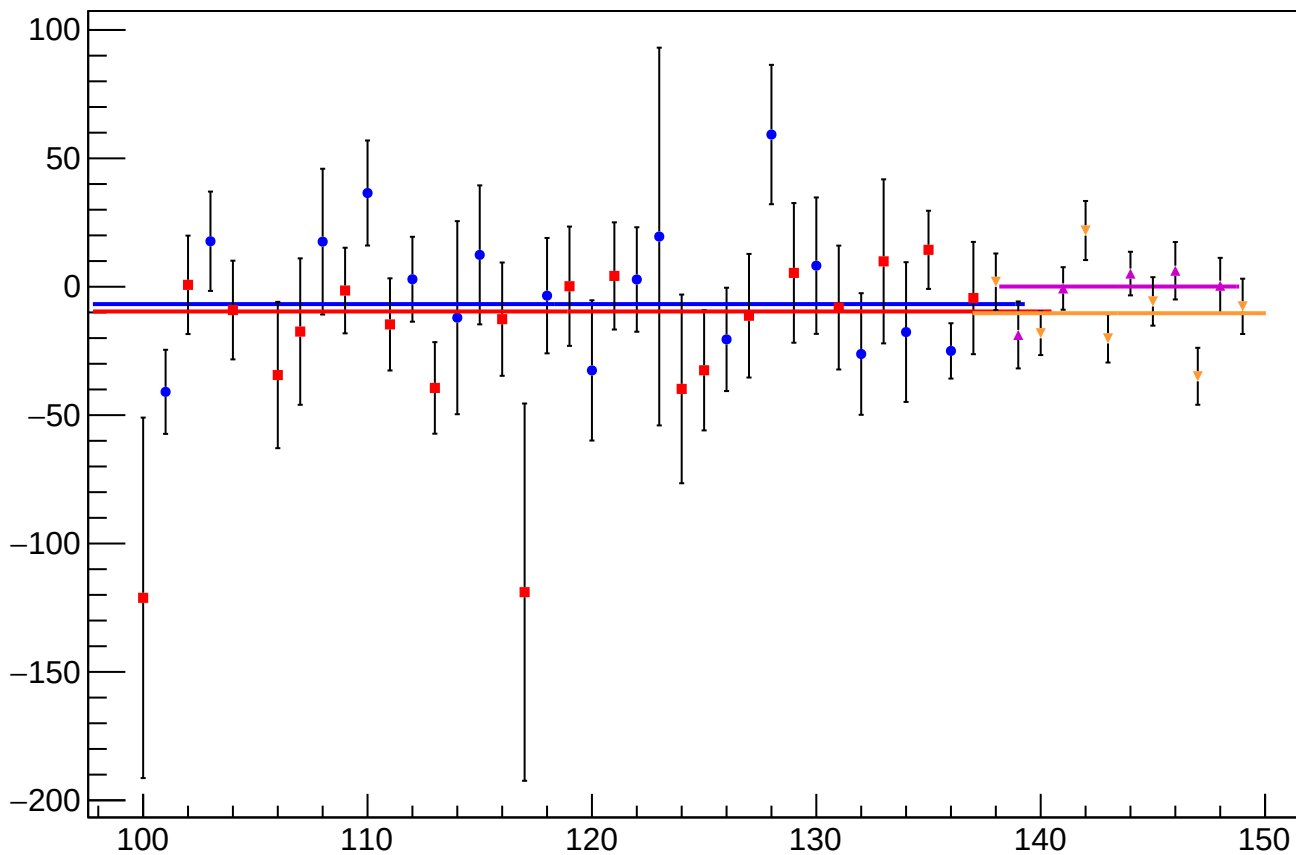
Right Out: 7682.786 $\pm$ 2.090 χ^2 /NDF: 690901.2/19

Left In: 7163.251 $\pm$ 2.616 χ^2 /NDF: 348347.5/4

7410.593 $\pm$ 1.569 χ^2 /NDF: 1033614.7/23

7480.384 $\pm$ 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: -10.311 ± 3.809 χ^2/NDF : 16.2/6

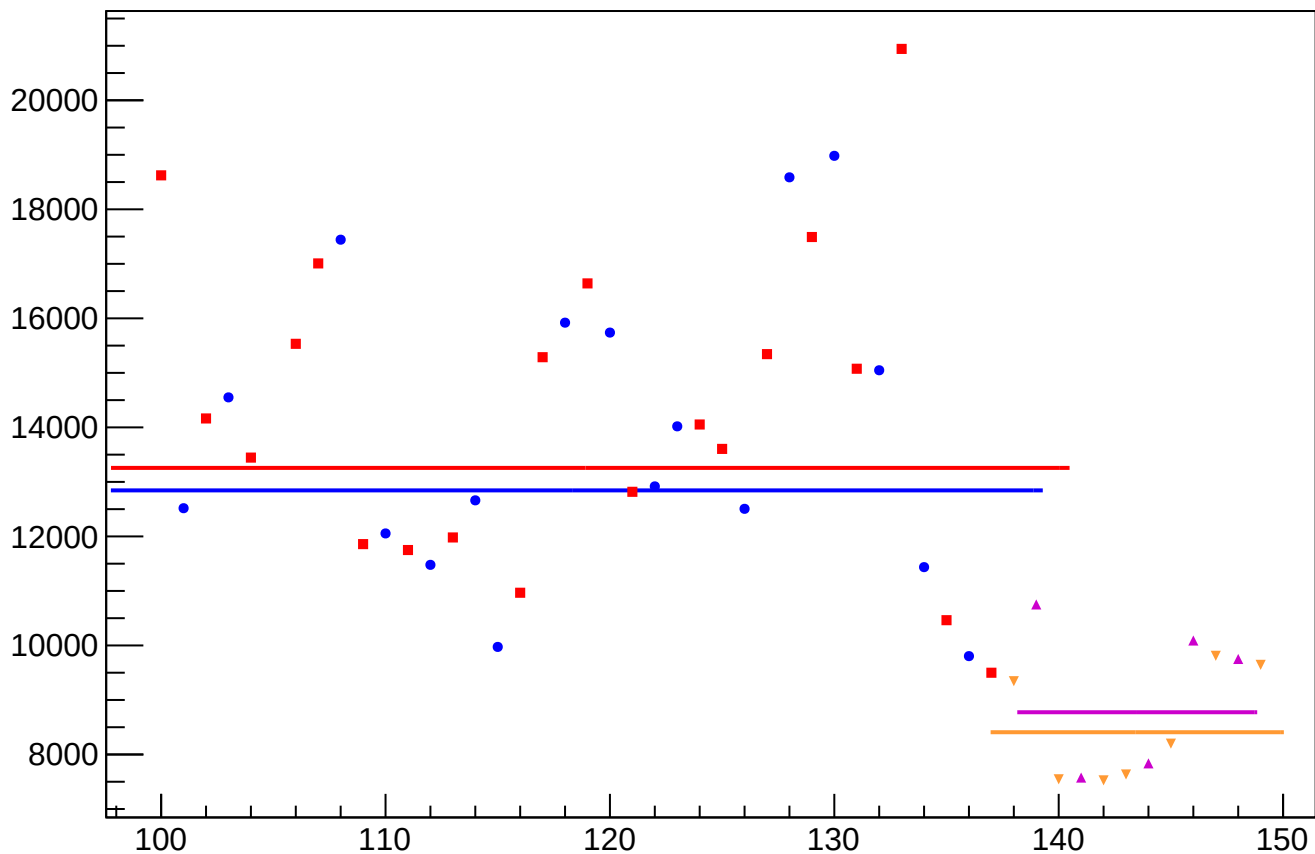
Right Out: -9.622 ± 5.058 χ^2/NDF : 14.5/19

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

-9.034 ± 3.049 χ^2/NDF : 40.2/23

-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: 8408.315 ± 2.694 χ^2/NDF : 119689.1/6

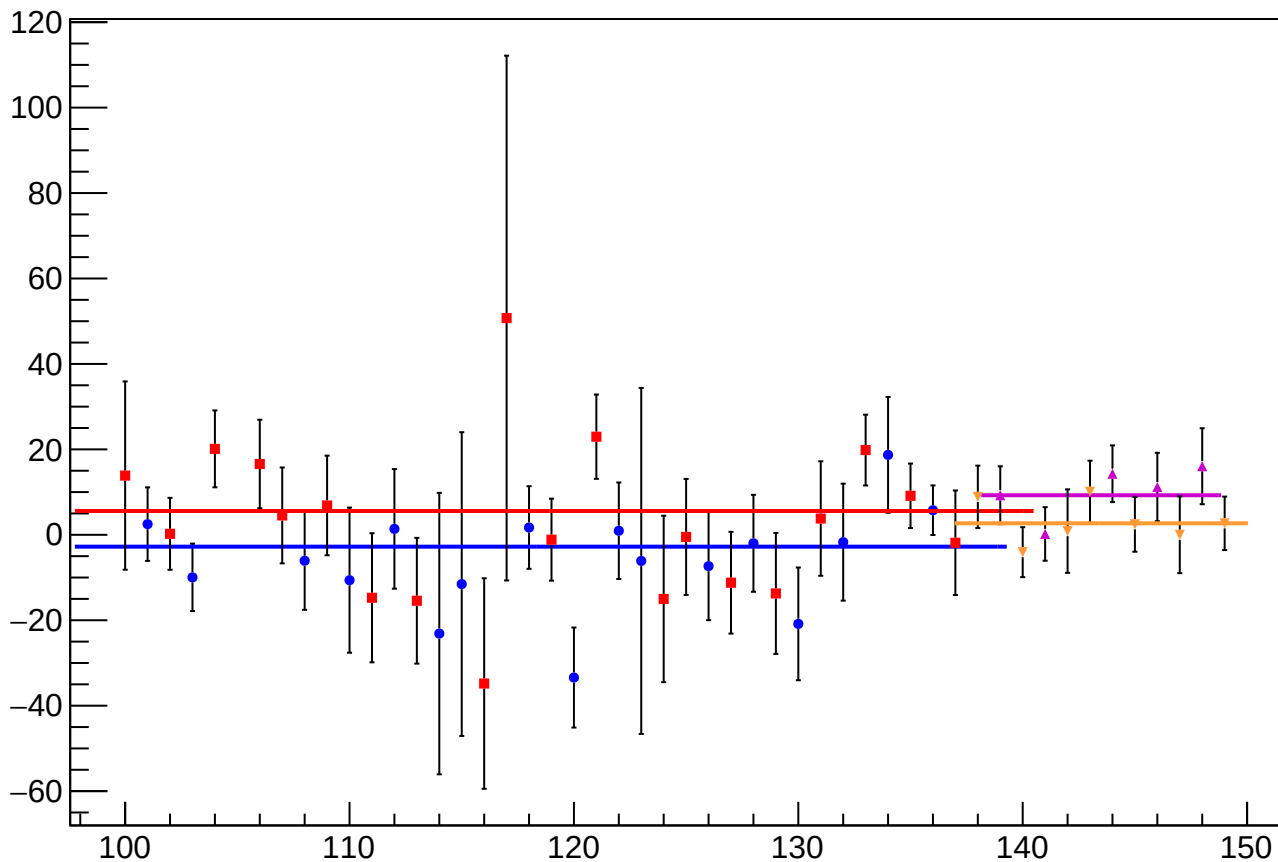
Right Out: 13256.926 ± 3.577 χ^2/NDF : 487016.8/19

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

10003.109 ± 2.156 χ^2/NDF : 1641939.9/23

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: 2.697 ± 2.676 χ^2/NDF : 3.2/6

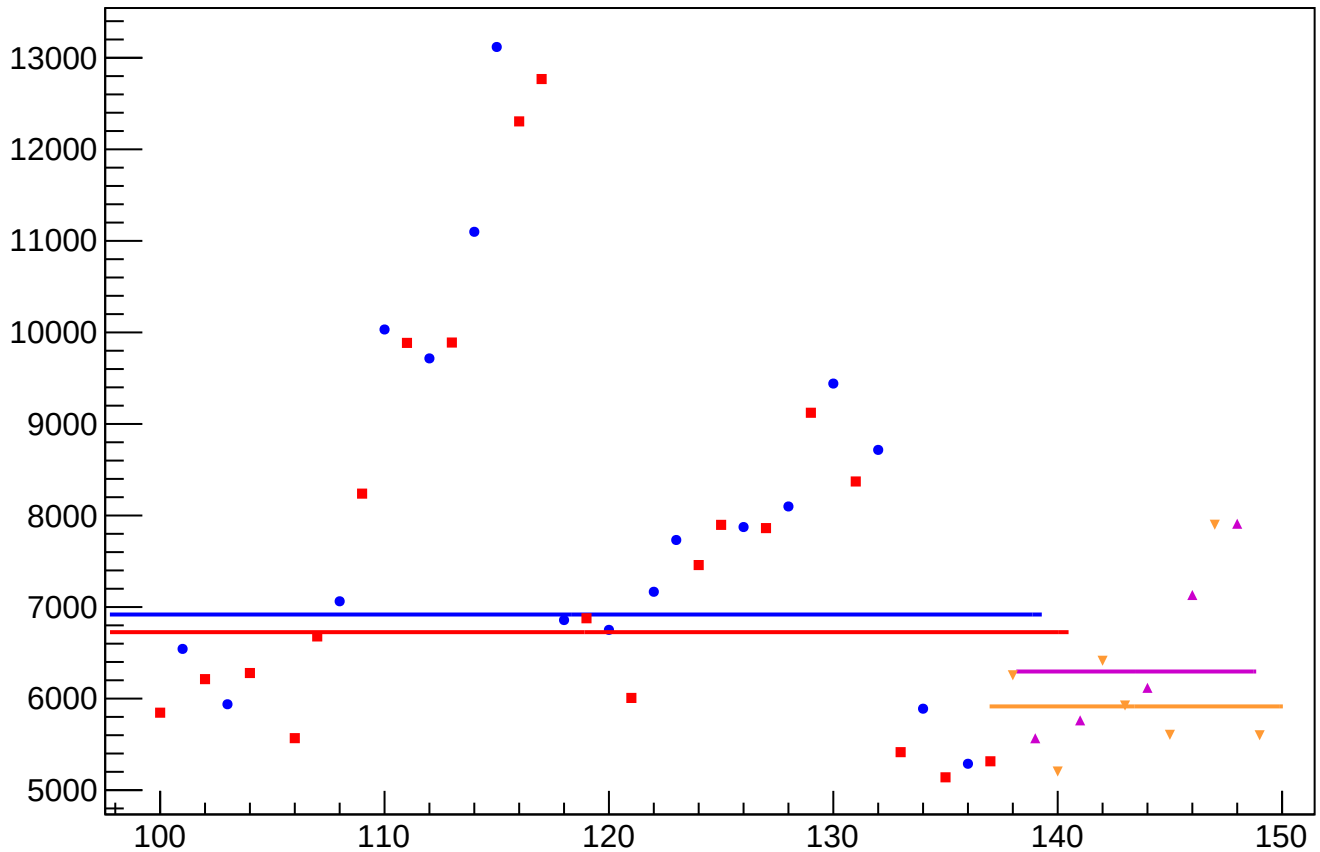
Right Out: 5.571 ± 2.585 χ^2/NDF : 23.7/19

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

0.017 ± 1.912 χ^2/NDF : 21.2/23

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: 5914.553+/-1.892 χ^2/NDF : 146453.8/6

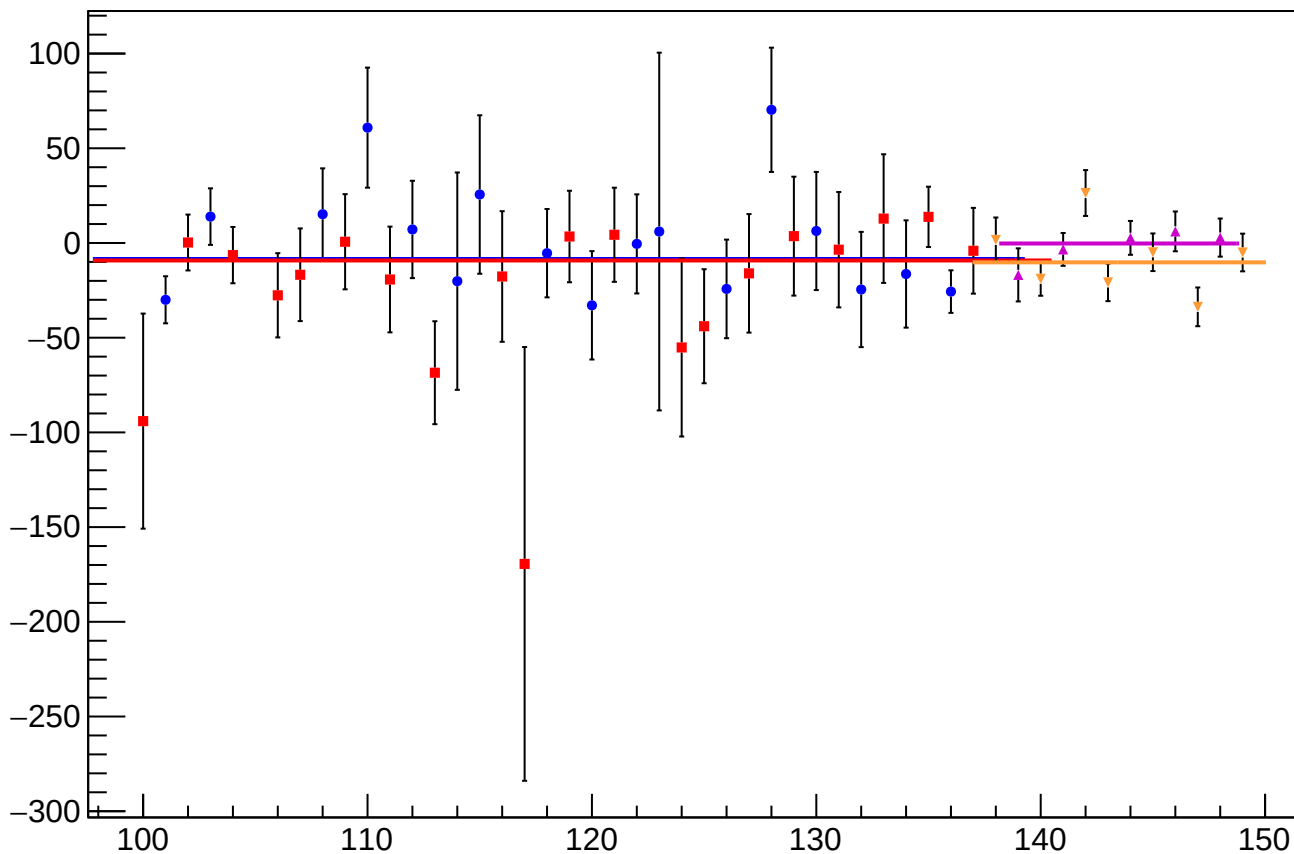
Right Out: 6725.745+/-1.828 χ^2/NDF : 675399.9/19

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

6406.246+/-1.352 χ^2/NDF : 871323.0/23

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

Left Out: -10.229 ± 3.878 χ^2/NDF : 18.1/6

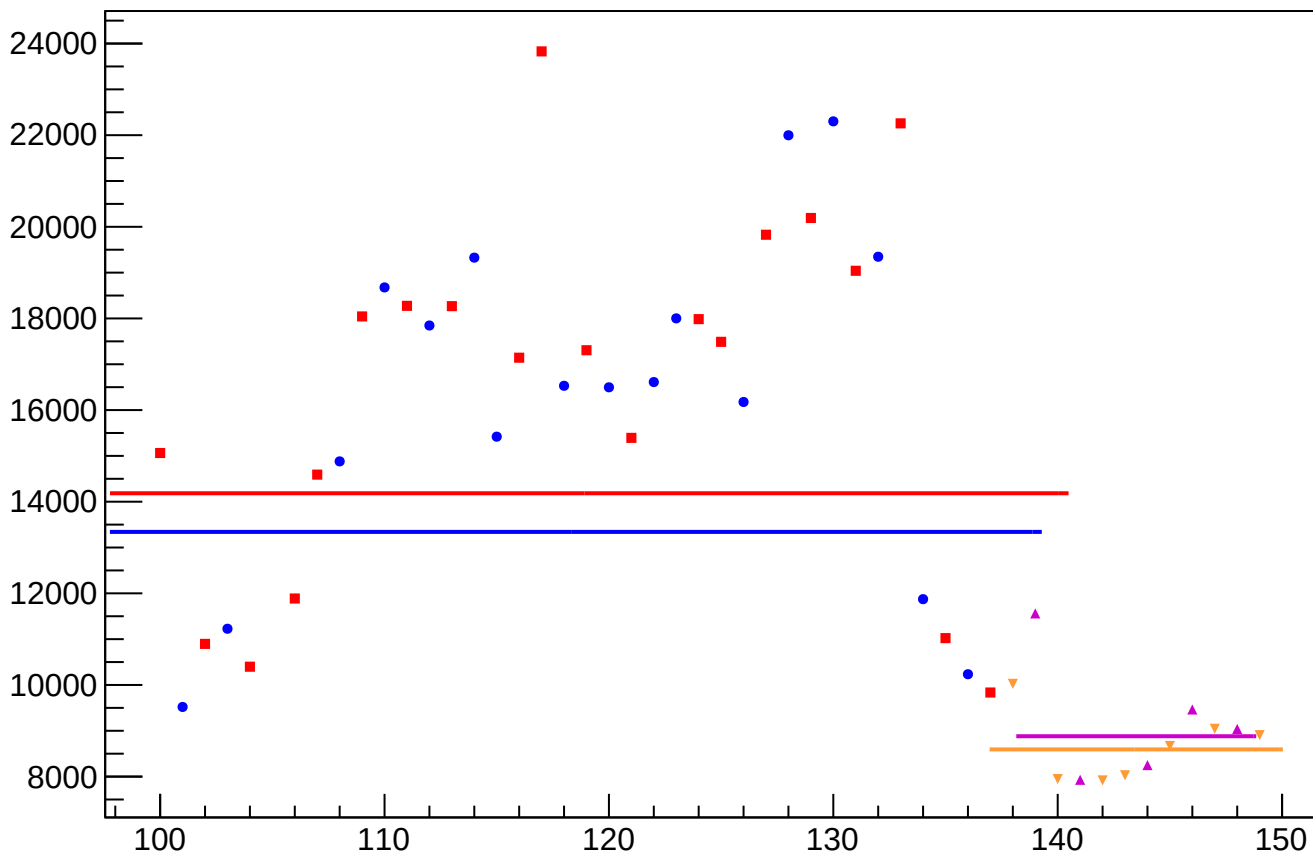
Right Out: -9.224 ± 5.502 χ^2/NDF : 16.2/19

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

-9.622 ± 3.149 χ^2/NDF : 40.1/23

-3.837 ± 3.473 χ^2/NDF : 19.9/24

diff_bpm1X_rms vs Slug



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

Left Out: 8593.077+/-2.742 χ^2/NDF : 58426.4/6

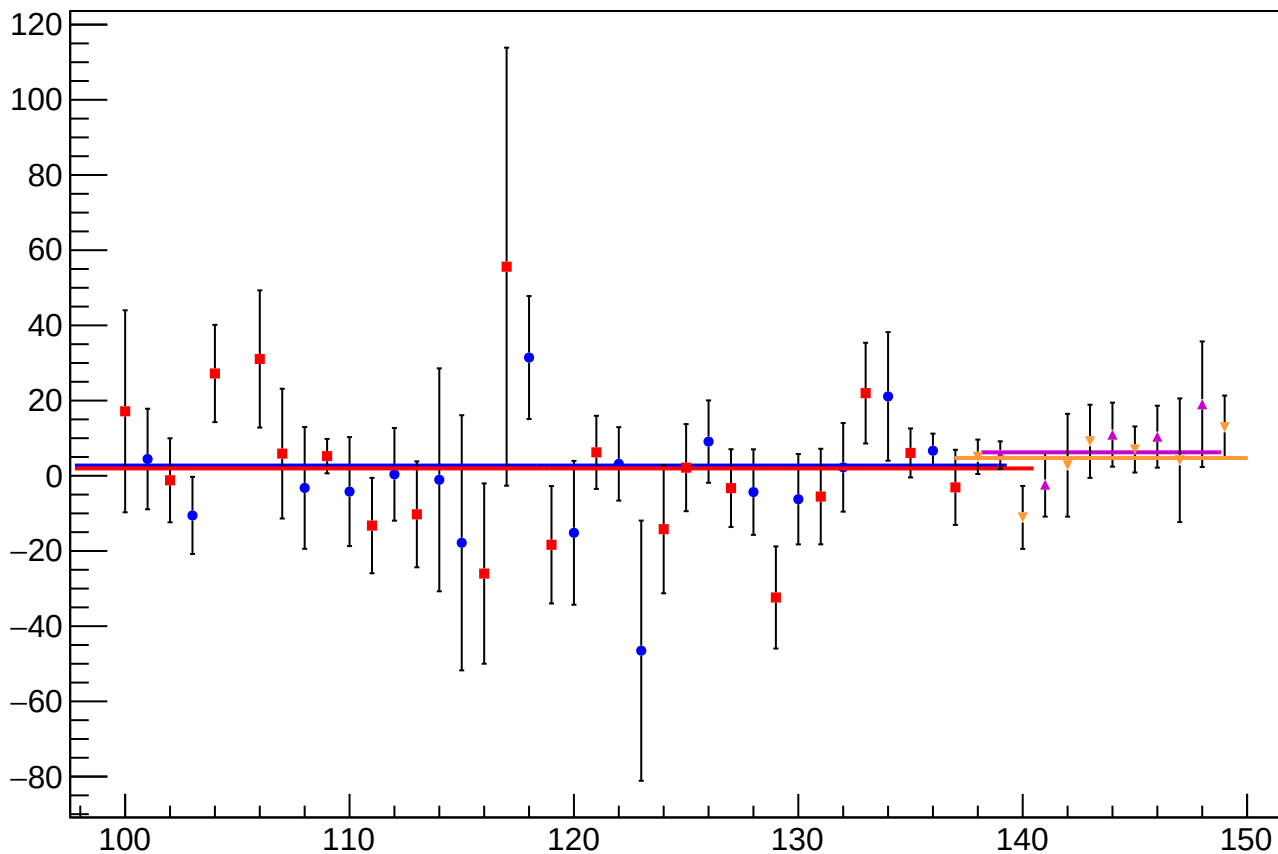
10211.573+/-2.226 χ^2/NDF : 2124730.7/23

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

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

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

diff_bpm1Y_mean vs Slug



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

Left Out: 4.725 $\pm$ 2.860 χ^2 /NDF: 4.9/6

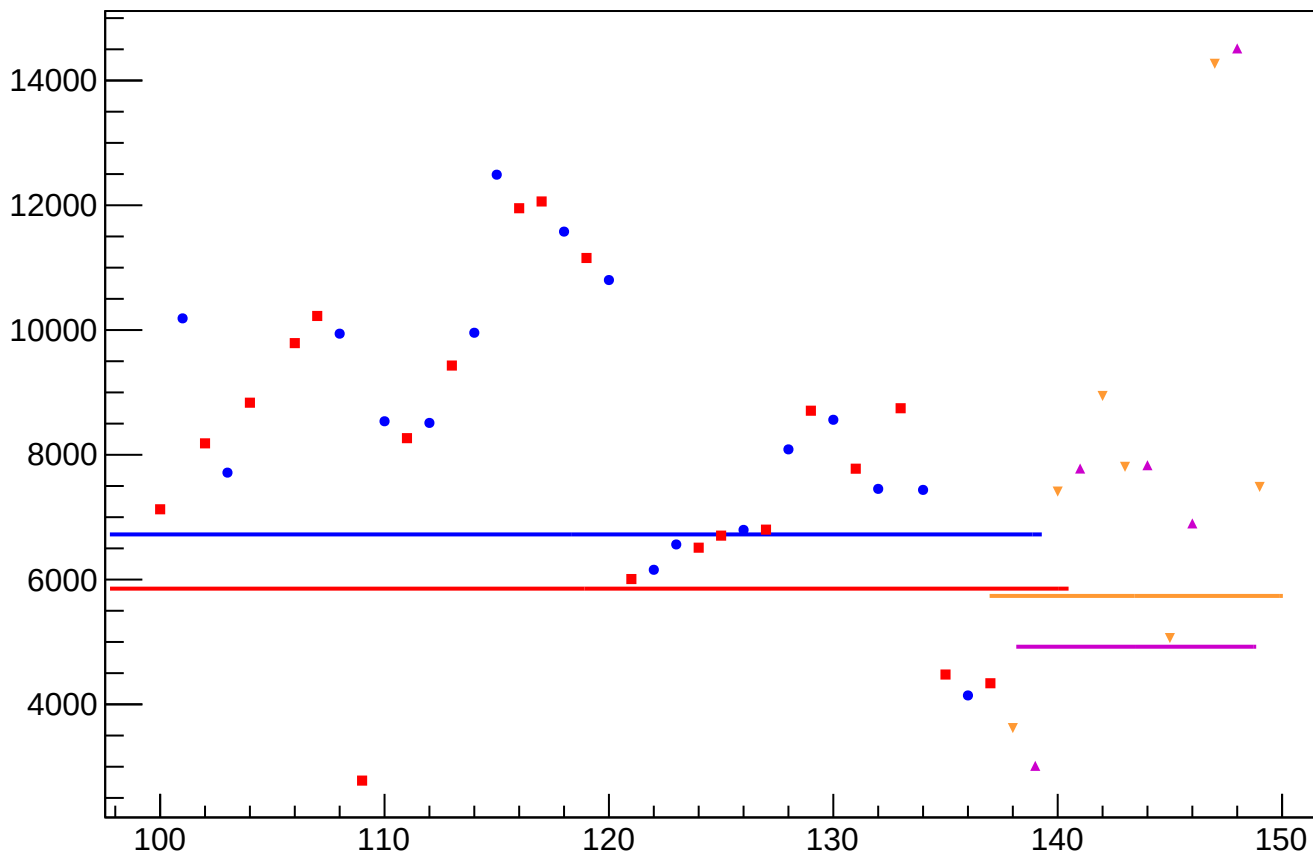
Right Out: 1.955 $\pm$ 2.437 χ^2 /NDF: 24.4/19

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

3.683 $\pm$ 1.983 χ^2 /NDF: 16.8/23

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: 5737.924+/-2.022 χ^2/NDF : 1356379.4/6

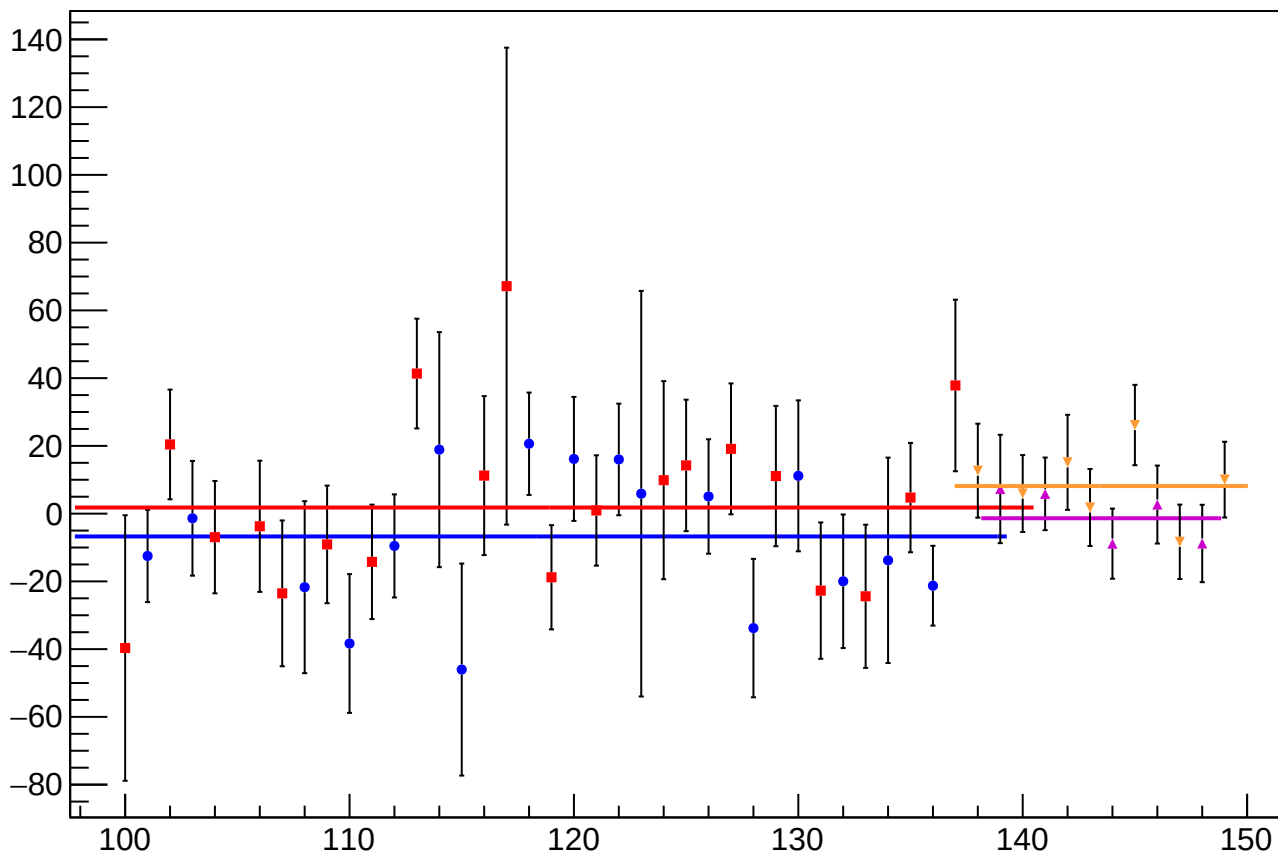
Right Out: 5854.708+/-1.723 χ^2/NDF : 2299964.9/19

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

6249.825+/-1.402 χ^2/NDF : 2871873.4/23

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

diff_bpm11X_mean vs Slug



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

Left Out: 8.139 ± 4.509 $\chi^2/\text{NDF}: 5.3/6$

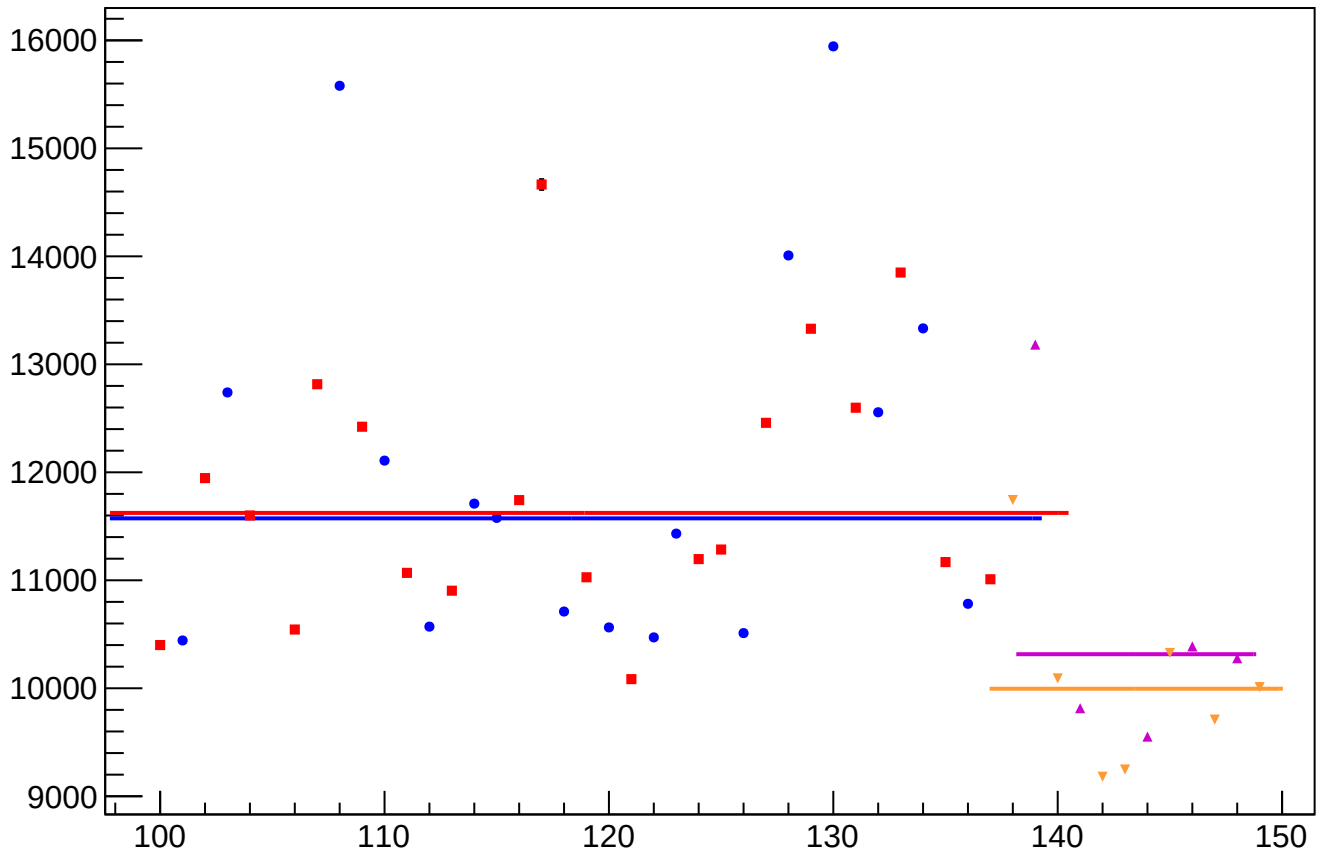
Right Out: 1.802 ± 4.364 $\chi^2/\text{NDF}: 20.8/19$

Left In: -1.365 ± 5.188 $\chi^2/\text{NDF}: 1.8/4$

0.707 ± 3.190 $\chi^2/\text{NDF}: 27.6/23$

0.490 ± 3.340 $\chi^2/\text{NDF}: 22.9/24$

diff_bpm11X_rms vs Slug



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

Left Out: 9995.956 ± 3.188 χ^2/NDF : 50241.7/6

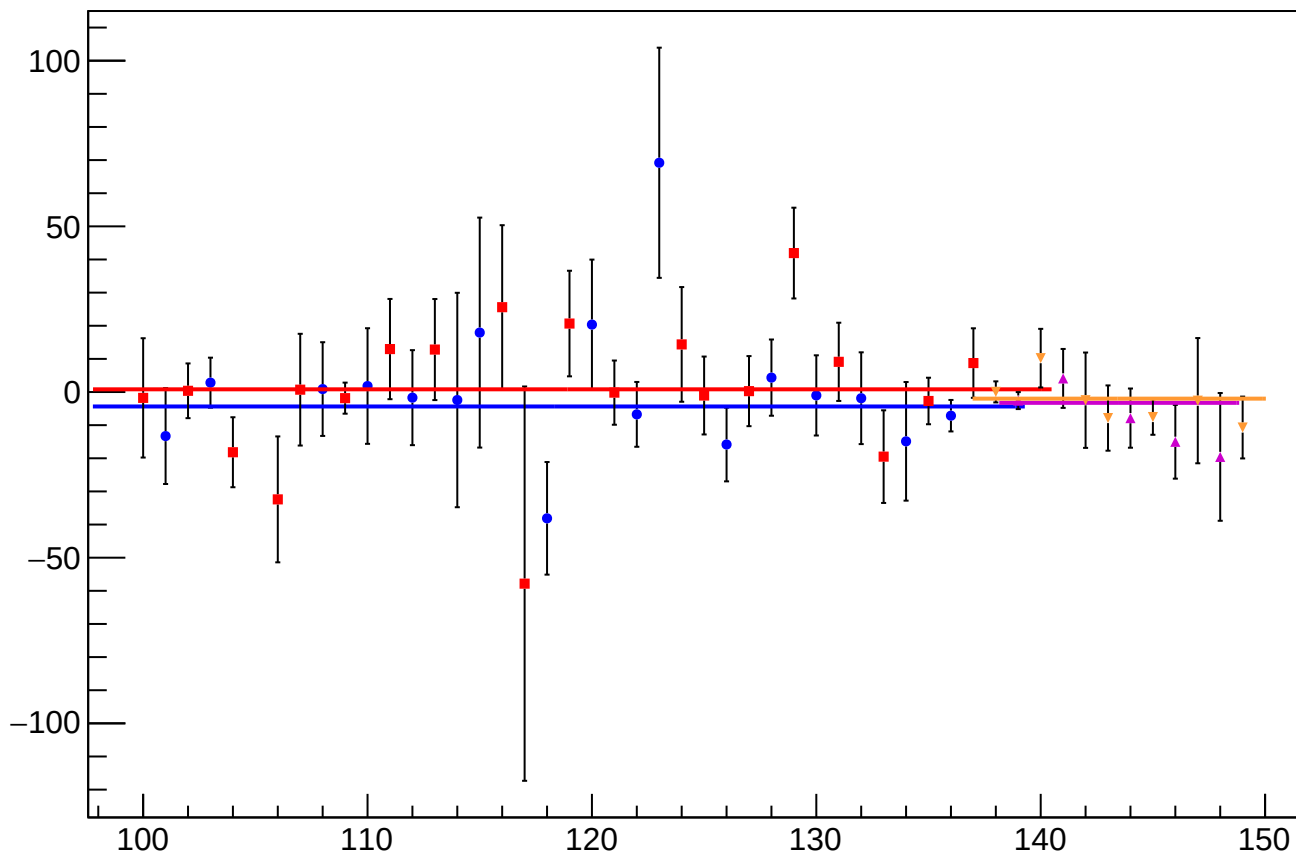
Right Out: 11623.951 ± 3.086 χ^2/NDF : 98055.0/19

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

10784.066 ± 2.256 χ^2/NDF : 411270.9/23

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: -1.997 ± 2.383 χ^2/NDF : 4.6/6

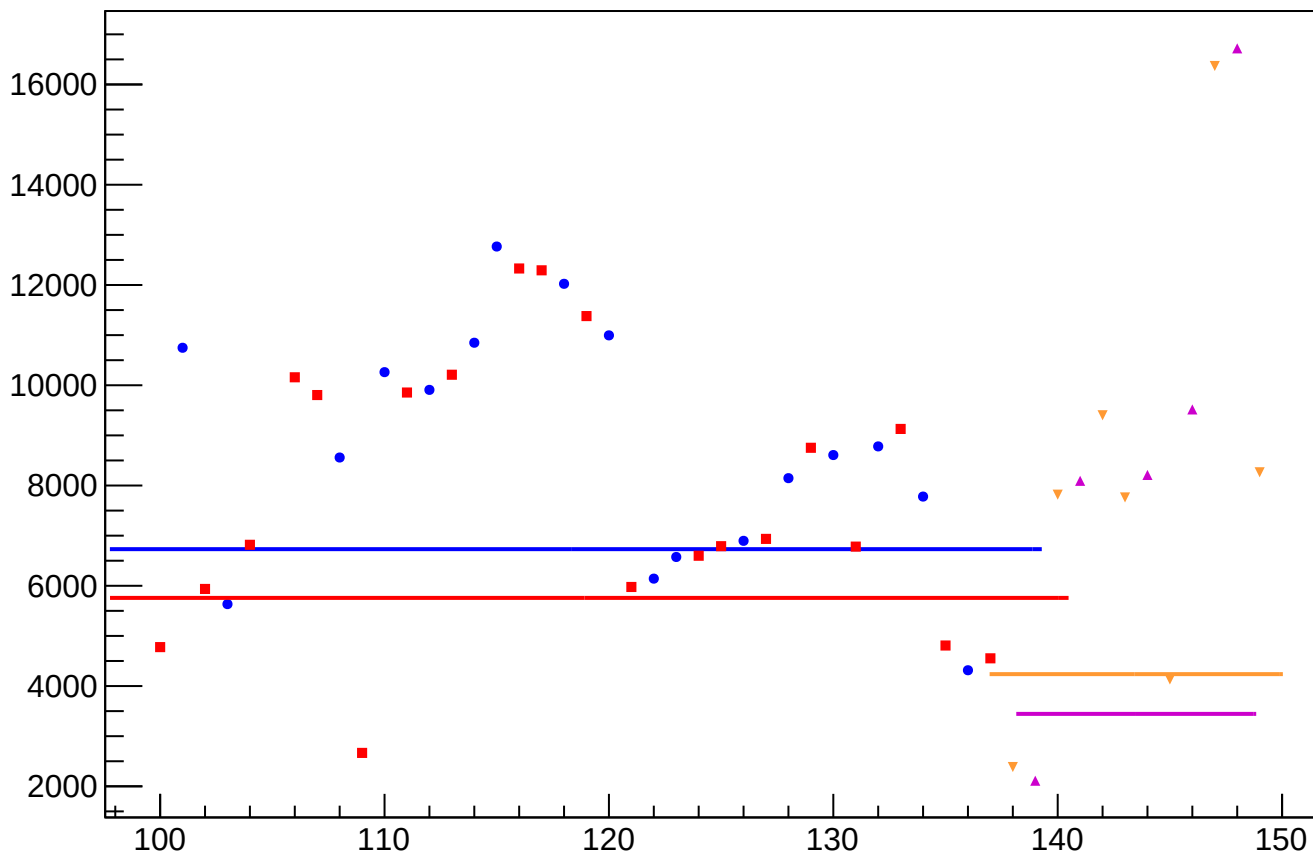
Right Out: 0.816 ± 2.424 χ^2/NDF : 24.5/19

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

-3.000 ± 1.808 χ^2/NDF : 19.6/23

-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: 4237.746+/-1.685 χ^2/NDF : 2718637.1/6

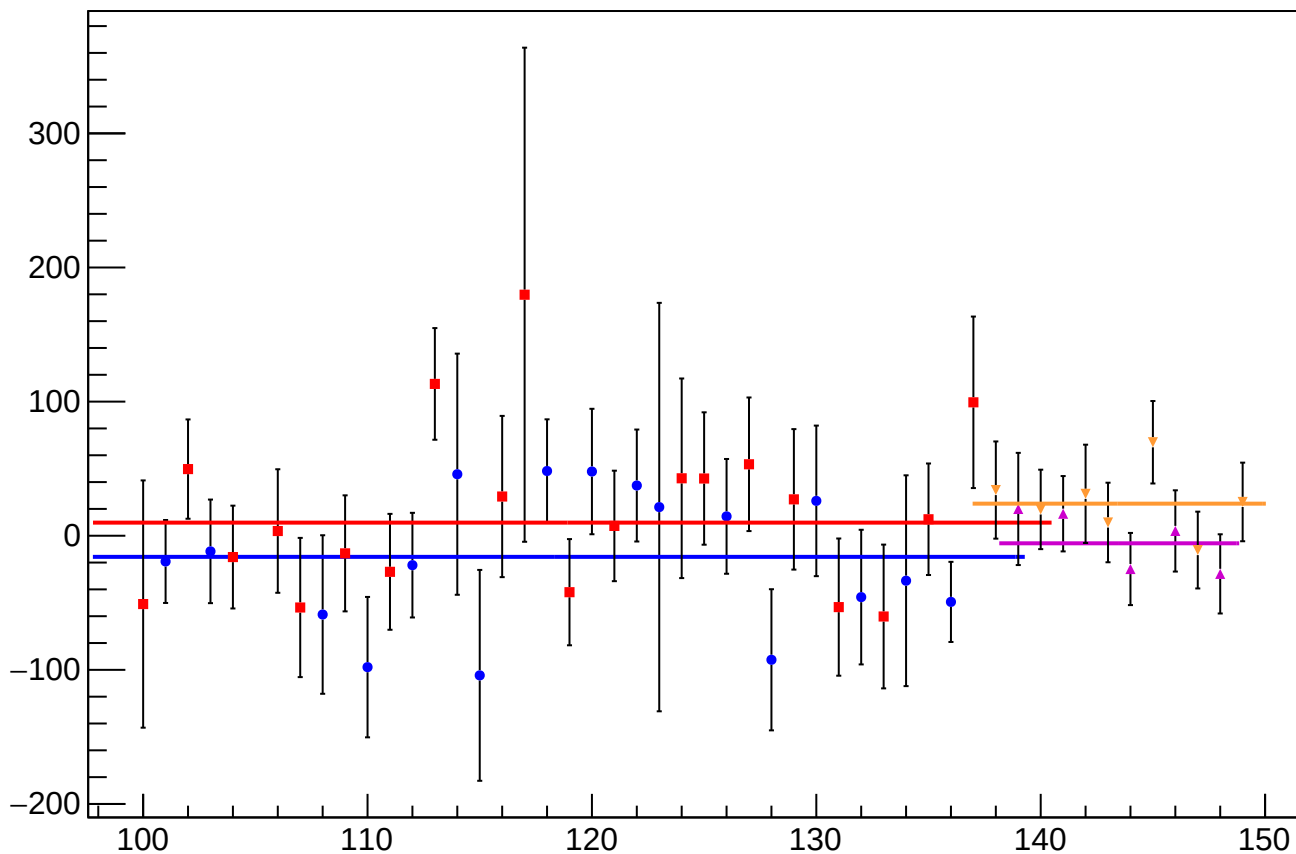
Right Out: 5758.506+/-1.714 χ^2/NDF : 2186395.0/19

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

5295.173+/-1.279 χ^2/NDF : 5092511.3/23

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: 23.923 ± 11.765 $\chi^2/\text{NDF}: 4.0/6$

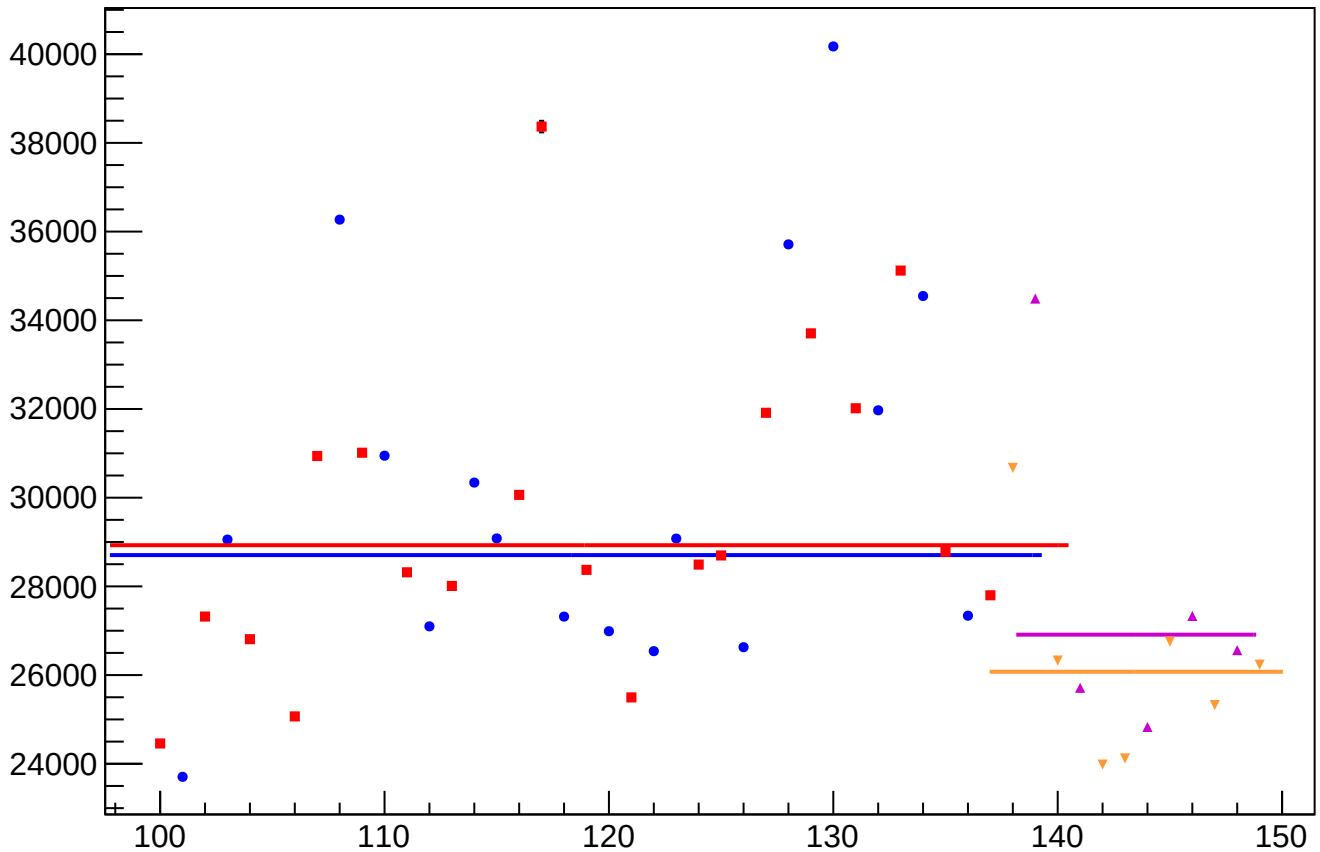
Right Out: 9.773 ± 10.870 $\chi^2/\text{NDF}: 20.1/19$

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

3.124 ± 8.115 $\chi^2/\text{NDF}: 25.9/23$

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: 26075.190+/-8.319 χ^2/NDF : 49948.4/6

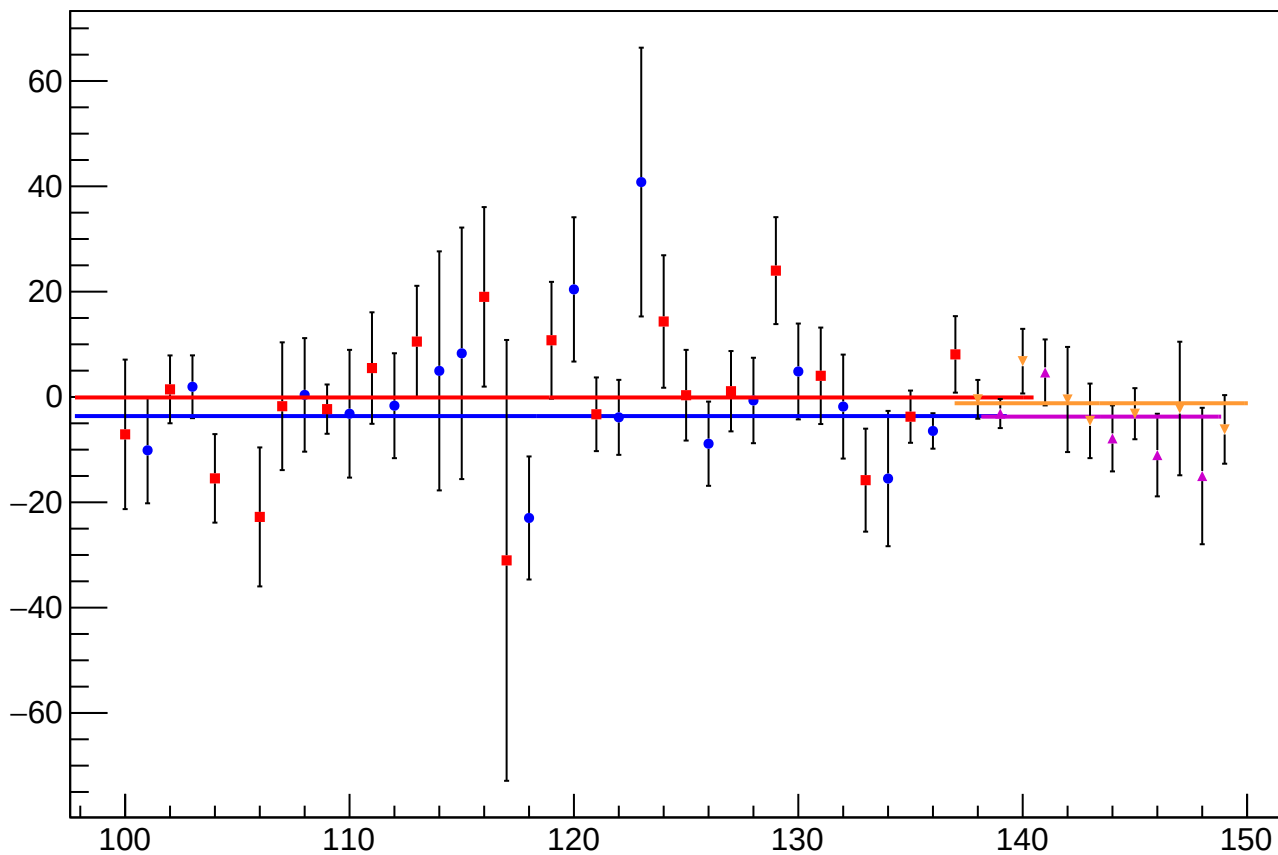
27454.196+/-5.738 χ^2/NDF : 353351.6/23

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 $\chi^2/\text{NDF}: 13.7/16$

Left Out: -1.191 ± 2.222 $\chi^2/\text{NDF}: 2.7/6$

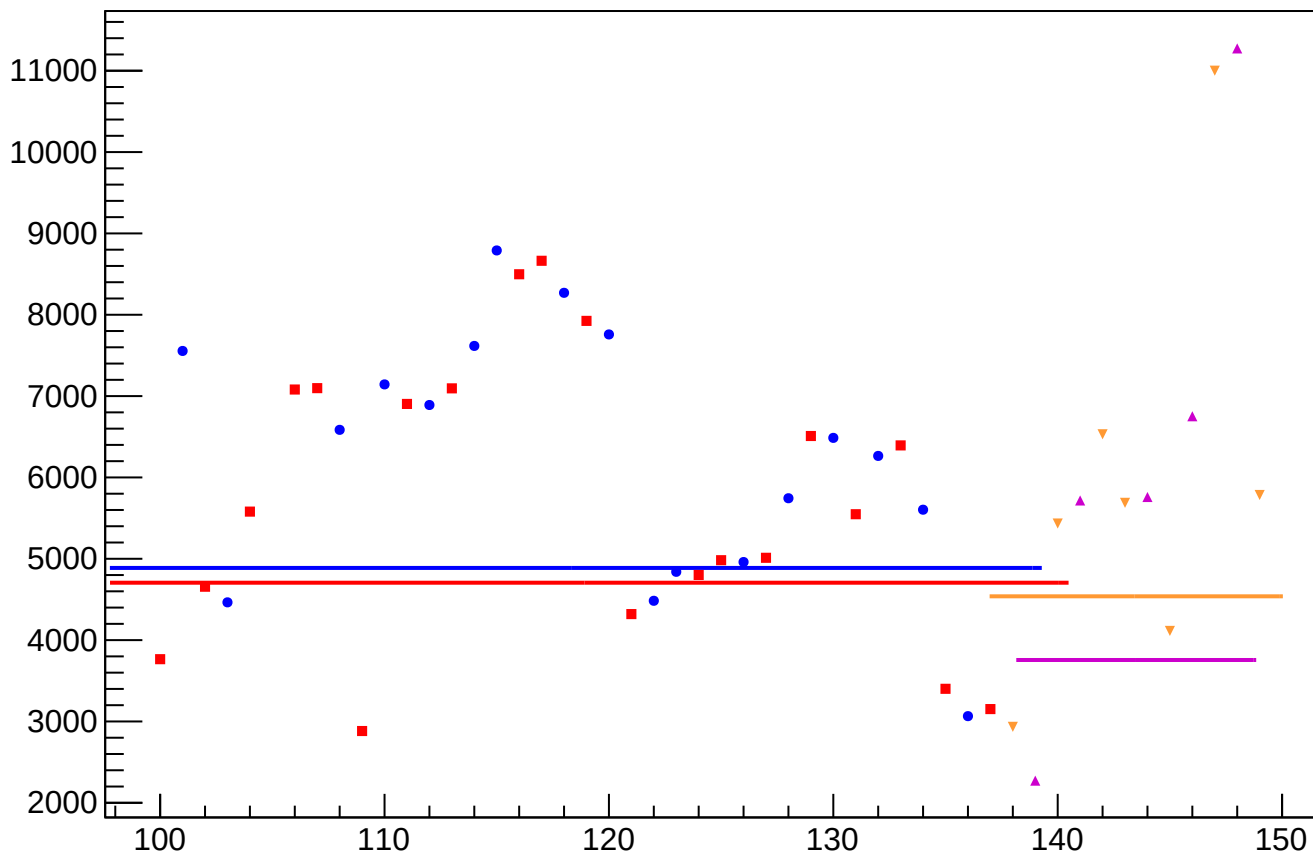
Right Out: -0.090 ± 1.888 $\chi^2/\text{NDF}: 22.6/19$

Left In: -3.730 ± 2.212 $\chi^2/\text{NDF}: 3.9/4$

-2.532 ± 1.489 $\chi^2/\text{NDF}: 17.1/23$

-1.624 ± 1.436 $\chi^2/\text{NDF}: 28.1/24$

diff_bpm12Y_rms vs Slug



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

Left Out: 4538.478+/-1.571 χ^2/NDF :1162165.1/6

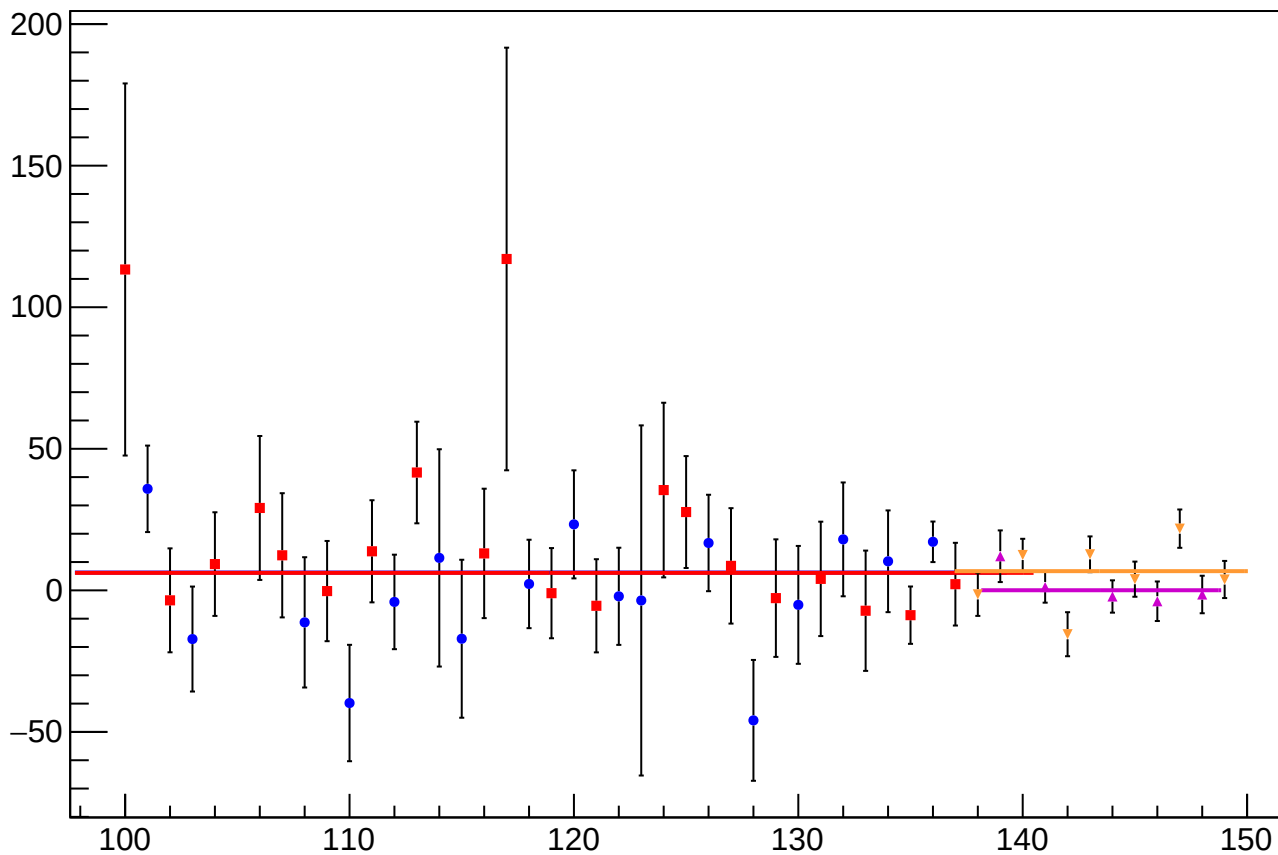
Right Out: 4705.797+/-1.335 χ^2/NDF : 1331043.3/19

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

4730.795+/-1.053 χ^2/NDF : 2598648.8/23

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: 6.784 ± 2.496 $\chi^2/\text{NDF}: 16.6/6$

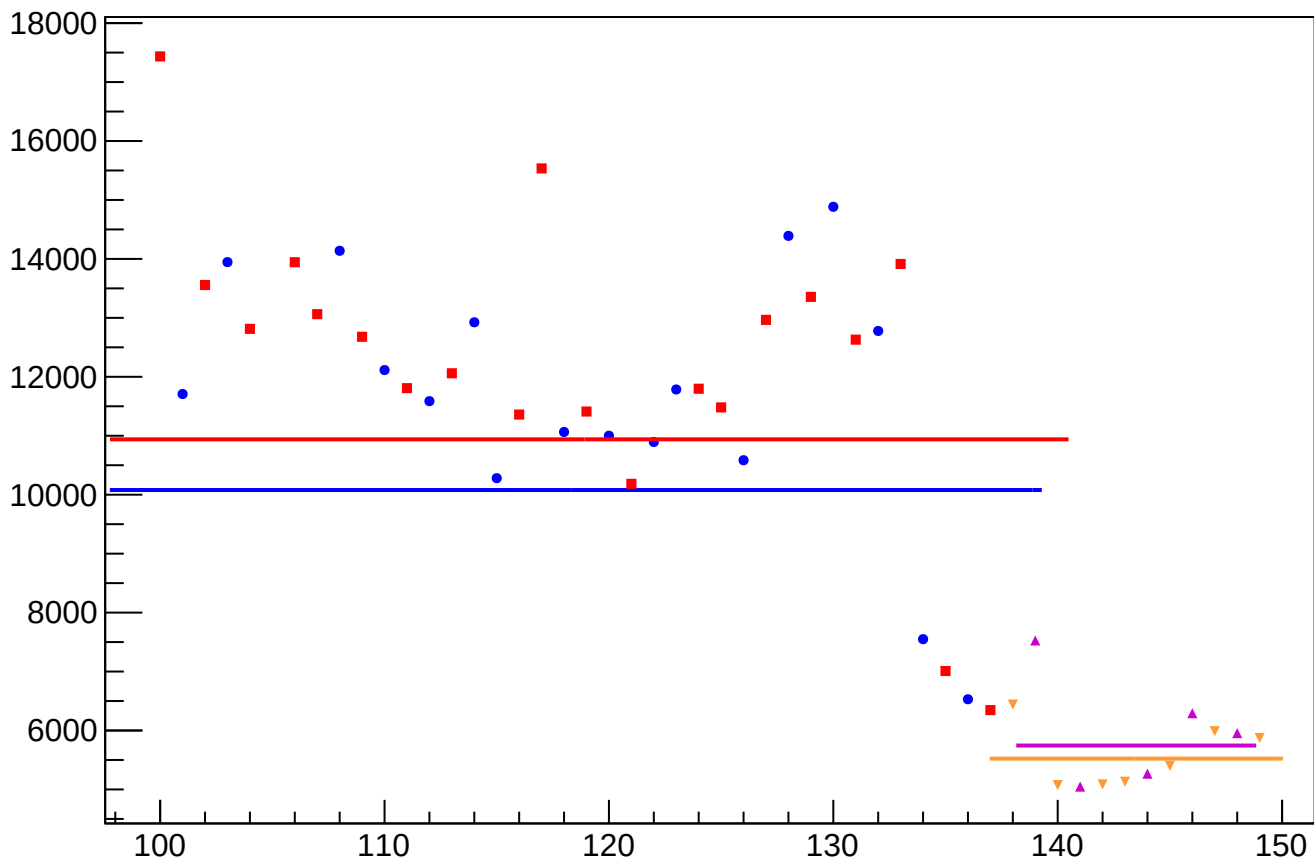
Right Out: 6.182 ± 4.212 $\chi^2/\text{NDF}: 16.0/19$

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

6.647 ± 2.127 $\chi^2/\text{NDF}: 39.1/23$

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: 5523.367+/-1.765 χ^2/NDF : 71420.3/6

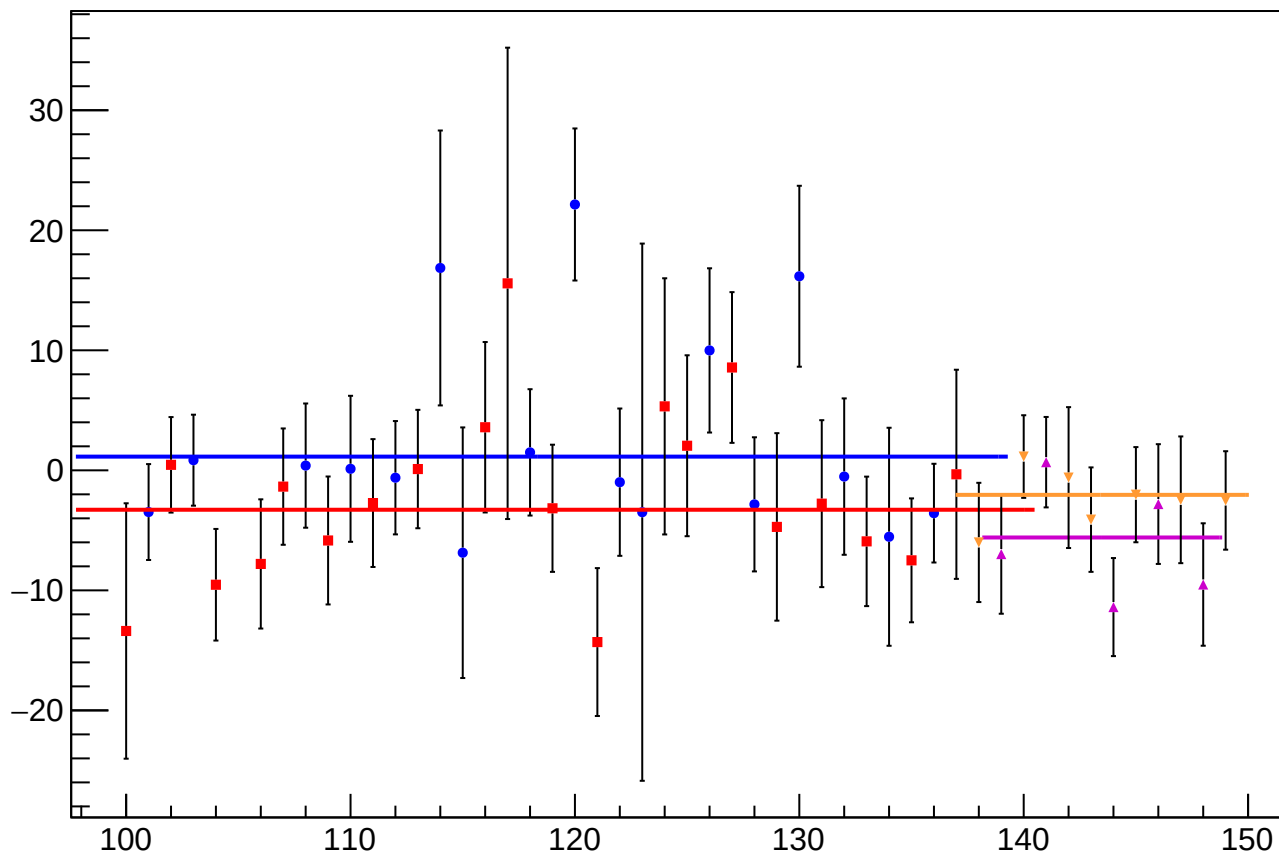
Right Out: 10939.227+/-2.979 χ^2/NDF : 776055.3/19

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

6771.382+/-1.504 χ^2/NDF : 2891100.9/23

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: -2.043 ± 1.653 χ^2/NDF : 1.8/6

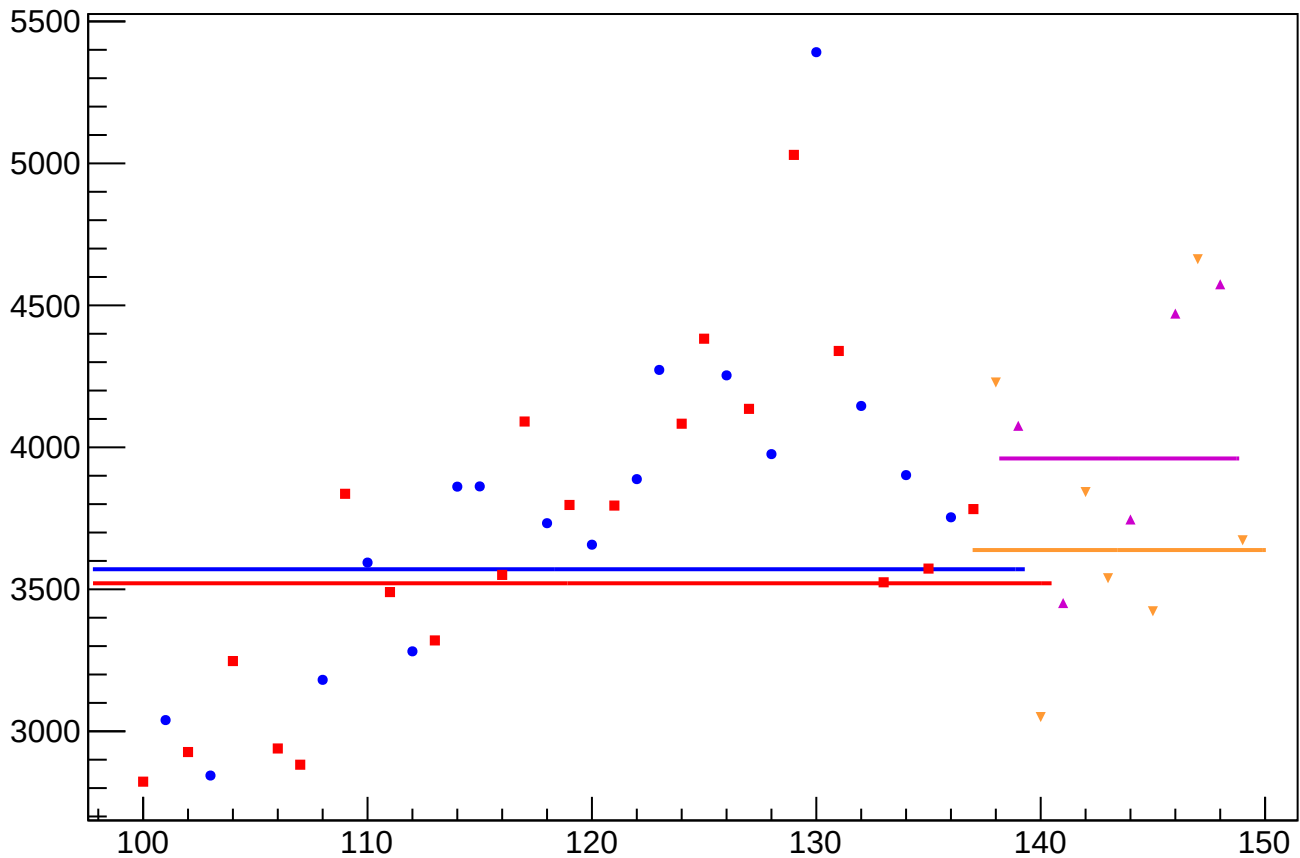
Right Out: -3.284 ± 1.330 χ^2/NDF : 16.0/19

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

-0.183 ± 1.066 χ^2/NDF : 27.2/23

-3.992 ± 1.108 χ^2/NDF : 22.7/24

diff_bpm16Y_rms vs Slug



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

Left Out: 3638.316 ± 1.169 χ^2/NDF : 171449.4/6

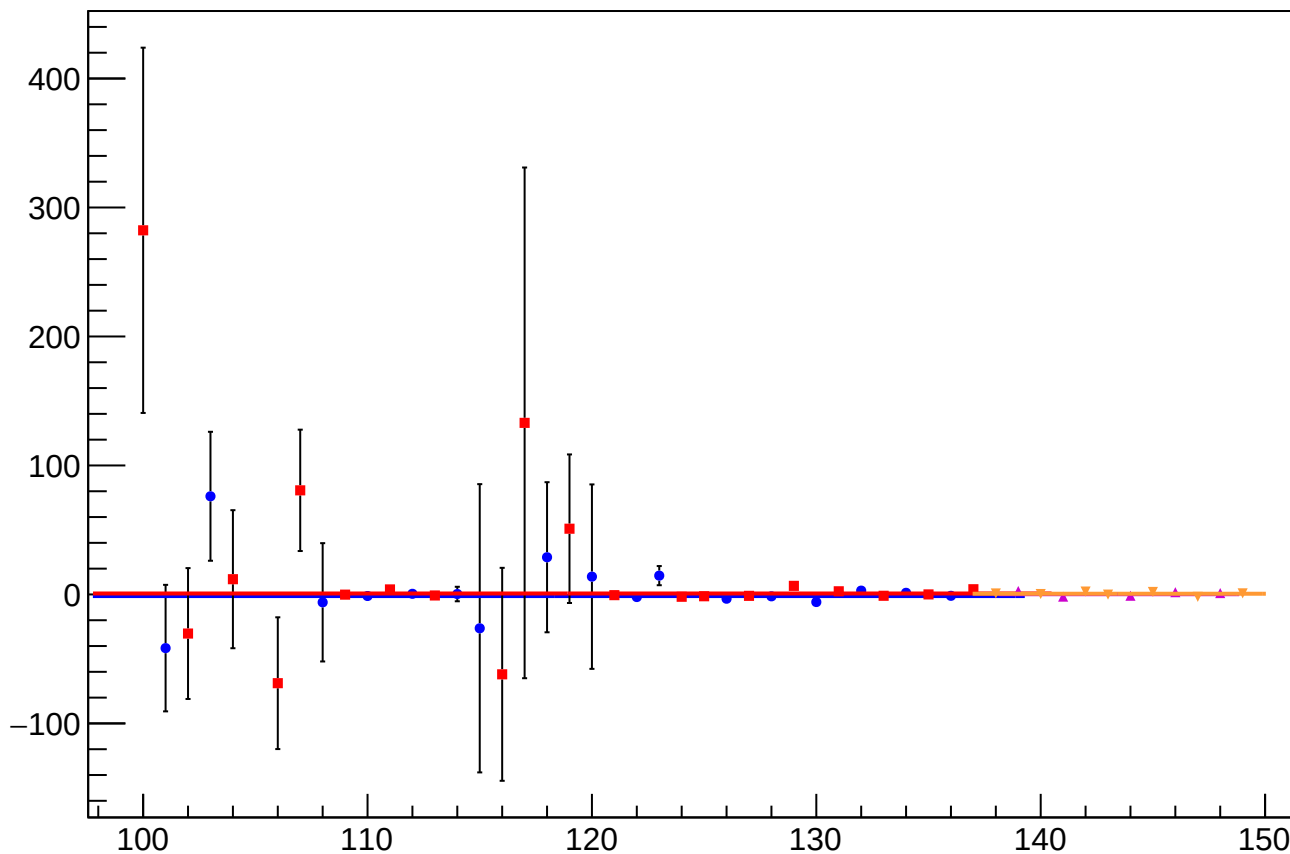
Right Out: 3521.247 ± 0.941 χ^2/NDF : 294919.2/19

Left In: 3960.826 ± 1.416 χ^2/NDF : 92996.5/4

3598.825 ± 0.754 χ^2/NDF : 482970.6/23

3655.861 ± 0.783 χ^2/NDF : 454810.9/24

diff_bpm1p02bX_mean vs Slug



Right In: -1.261 ± 0.748 $\chi^2/\text{NDF}: 16.3/16$

Left Out: 0.543 ± 0.473 $\chi^2/\text{NDF}: 6.5/6$

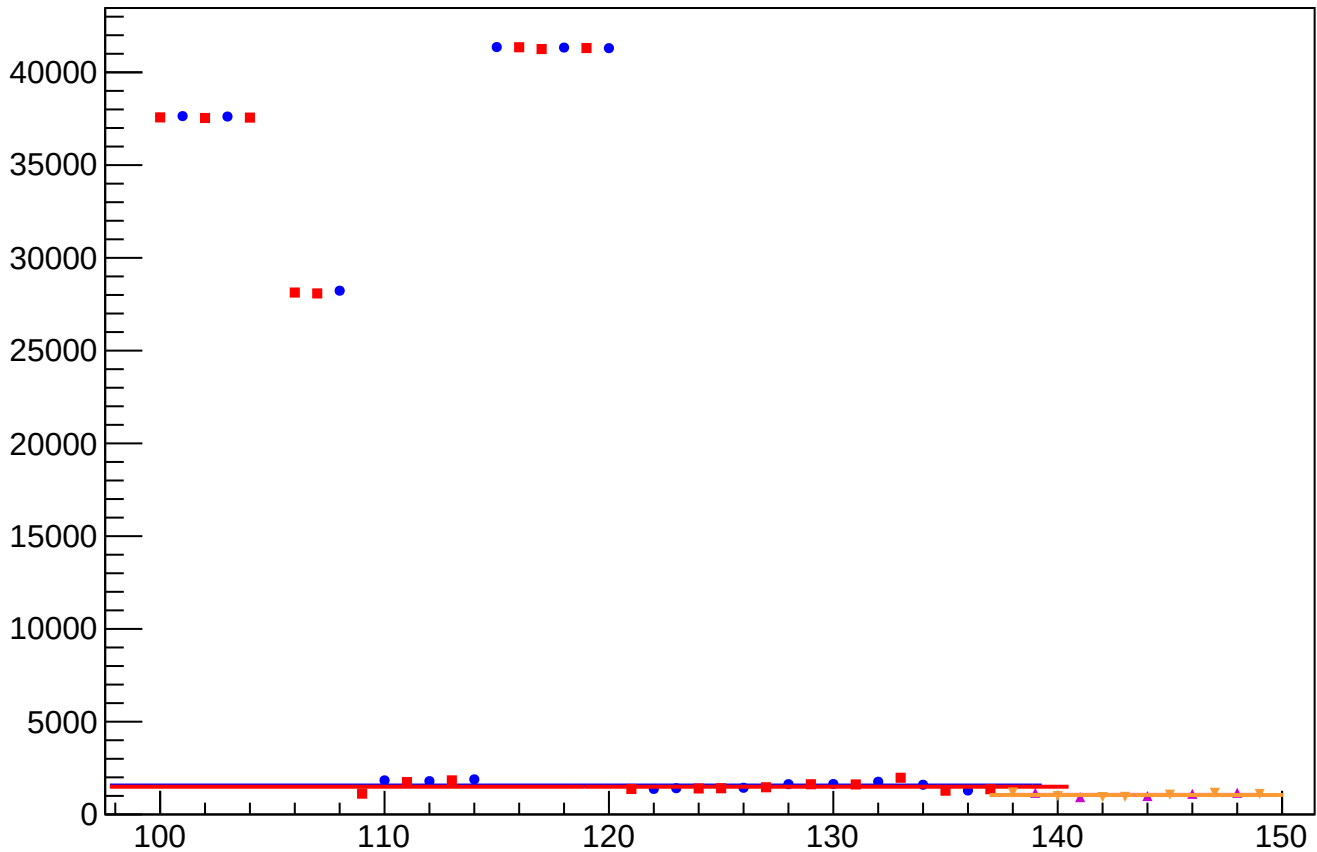
Right Out: 0.735 ± 0.710 $\chi^2/\text{NDF}: 22.5/19$

Left In: 0.175 ± 0.530 $\chi^2/\text{NDF}: 9.7/4$

0.027 ± 0.400 $\chi^2/\text{NDF}: 27.0/23$

0.375 ± 0.425 $\chi^2/\text{NDF}: 32.6/24$

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1049.373+/-0.335 χ^2/NDF : 72139.7/6

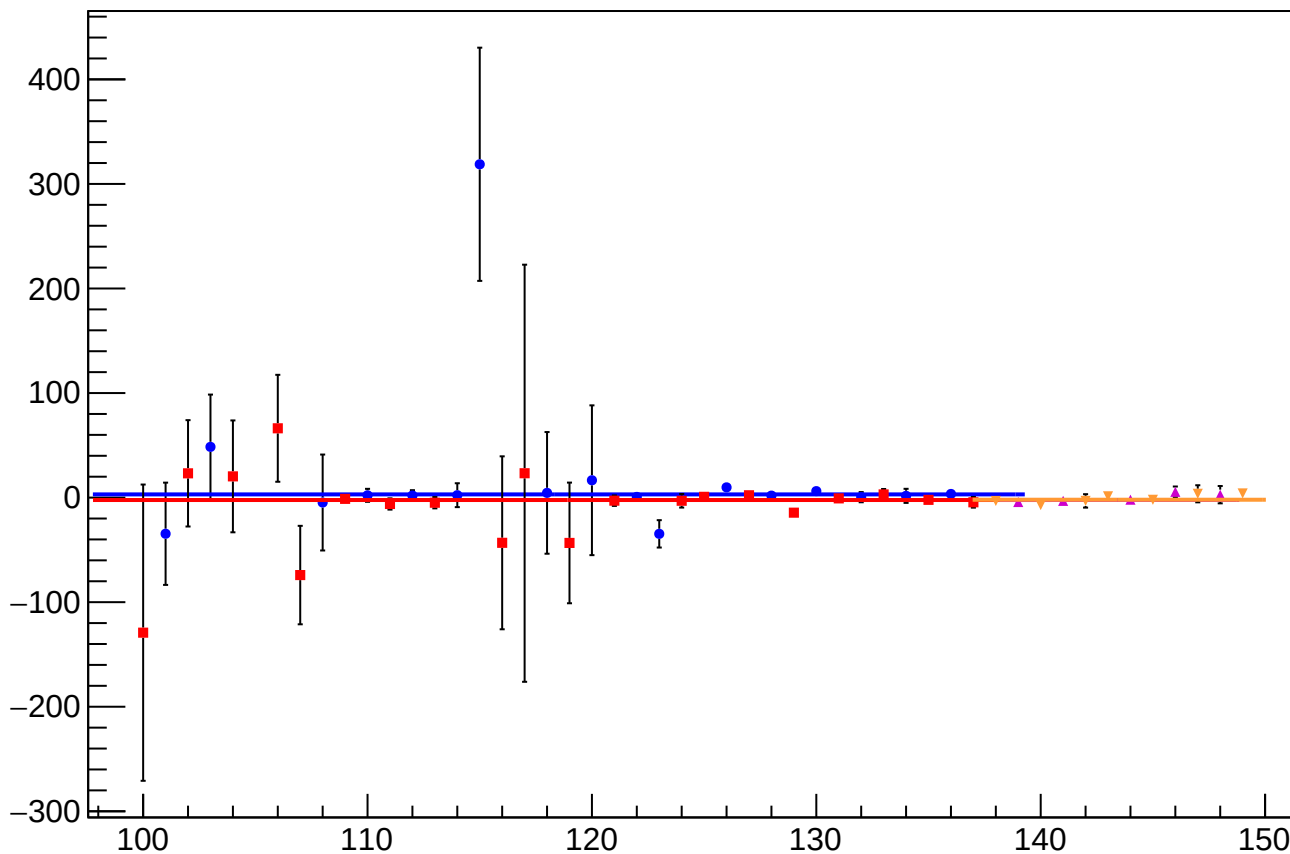
Right Out: 1495.131+/-0.502 χ^2/NDF : 4973587.9/19

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

1195.189+/-0.283 χ^2/NDF : 5488779.7/23

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

diff_bpm1p02bY_mean vs Slug



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

Left Out: -2.036 ± 1.454 χ^2/NDF : 4.8/6

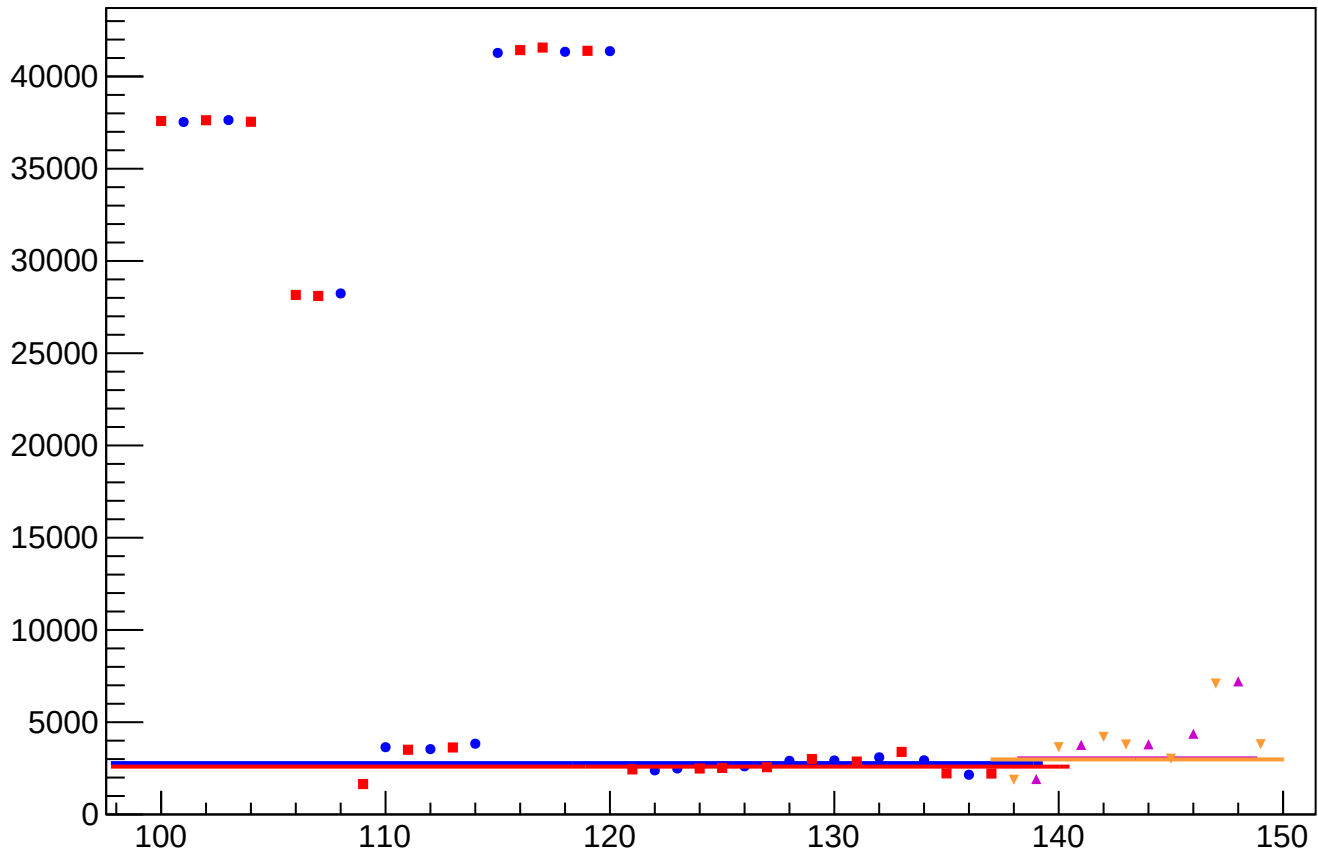
Right Out: -2.305 ± 1.235 χ^2/NDF : 16.9/19

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

0.760 ± 0.979 χ^2/NDF : 33.5/23

-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: 2983.418+/-1.028 χ^2/NDF : 1240426.7/6

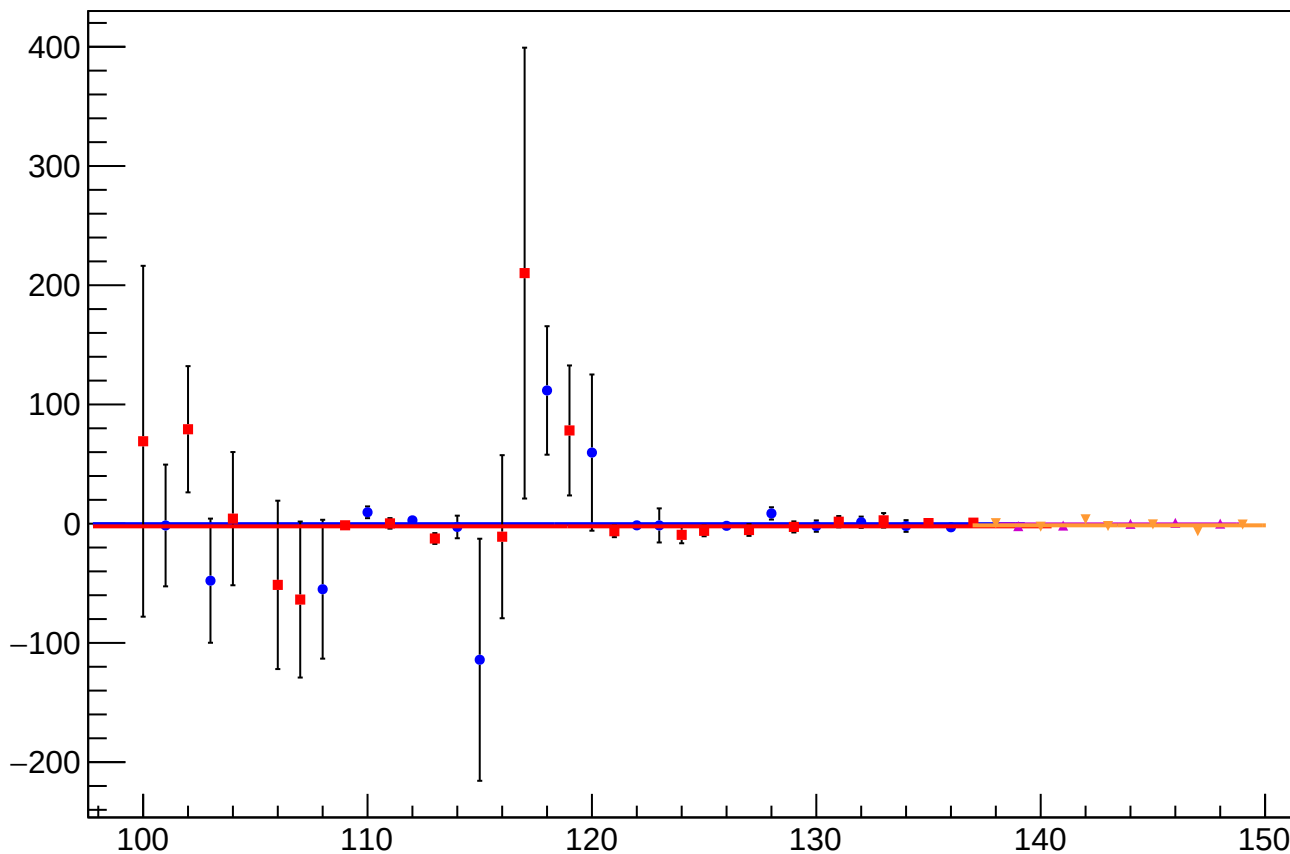
Right Out: 2592.654+/-0.873 χ^2/NDF : 4923077.9/19

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

2874.333+/-0.692 χ^2/NDF : 5838431.4/23

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: -1.383 ± 0.711 χ^2/NDF : 13.3/6

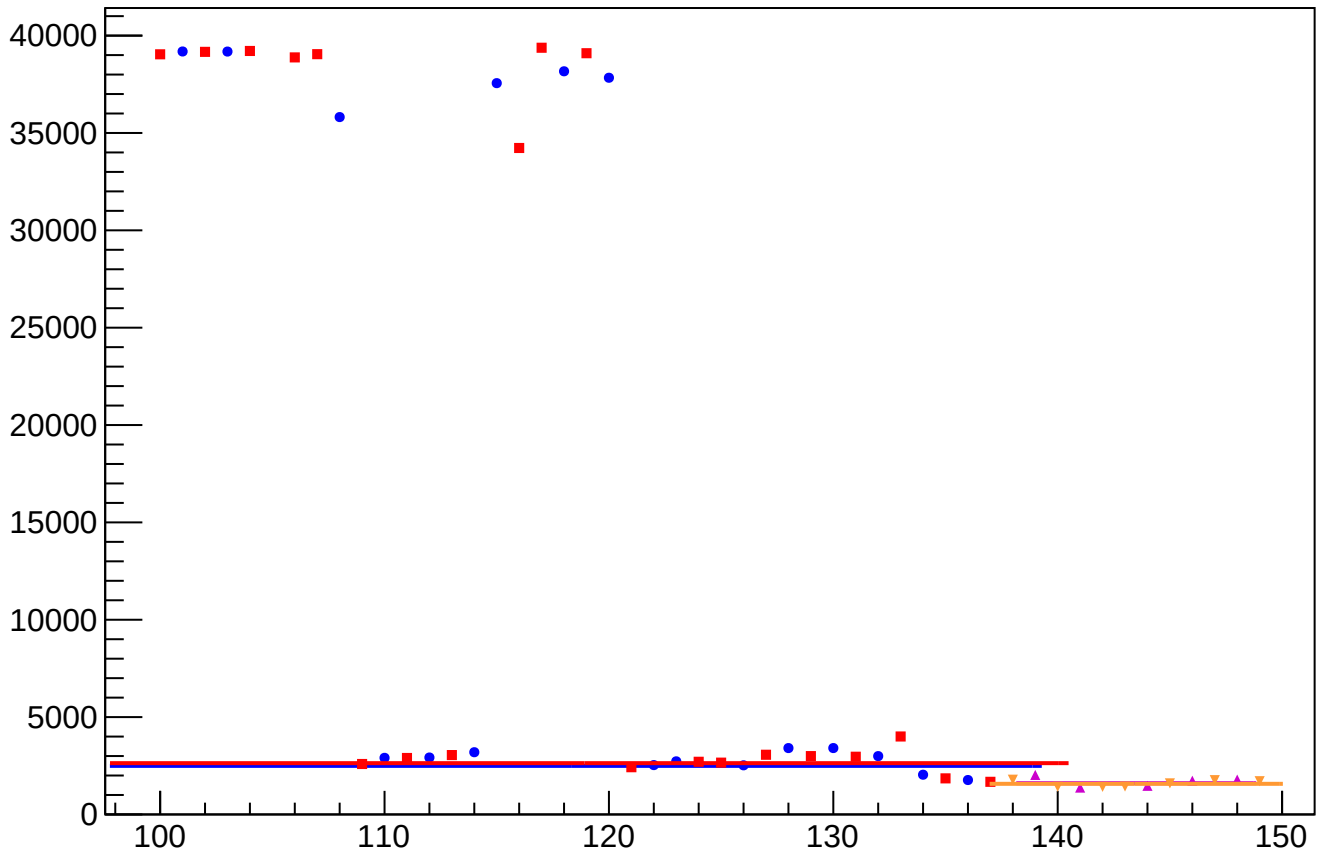
Right Out: -2.235 ± 1.246 χ^2/NDF : 18.7/19

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

-1.134 ± 0.614 χ^2/NDF : 32.0/23

-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: 1573.563+/-0.503 χ^2 /NDF: 89799.6/6

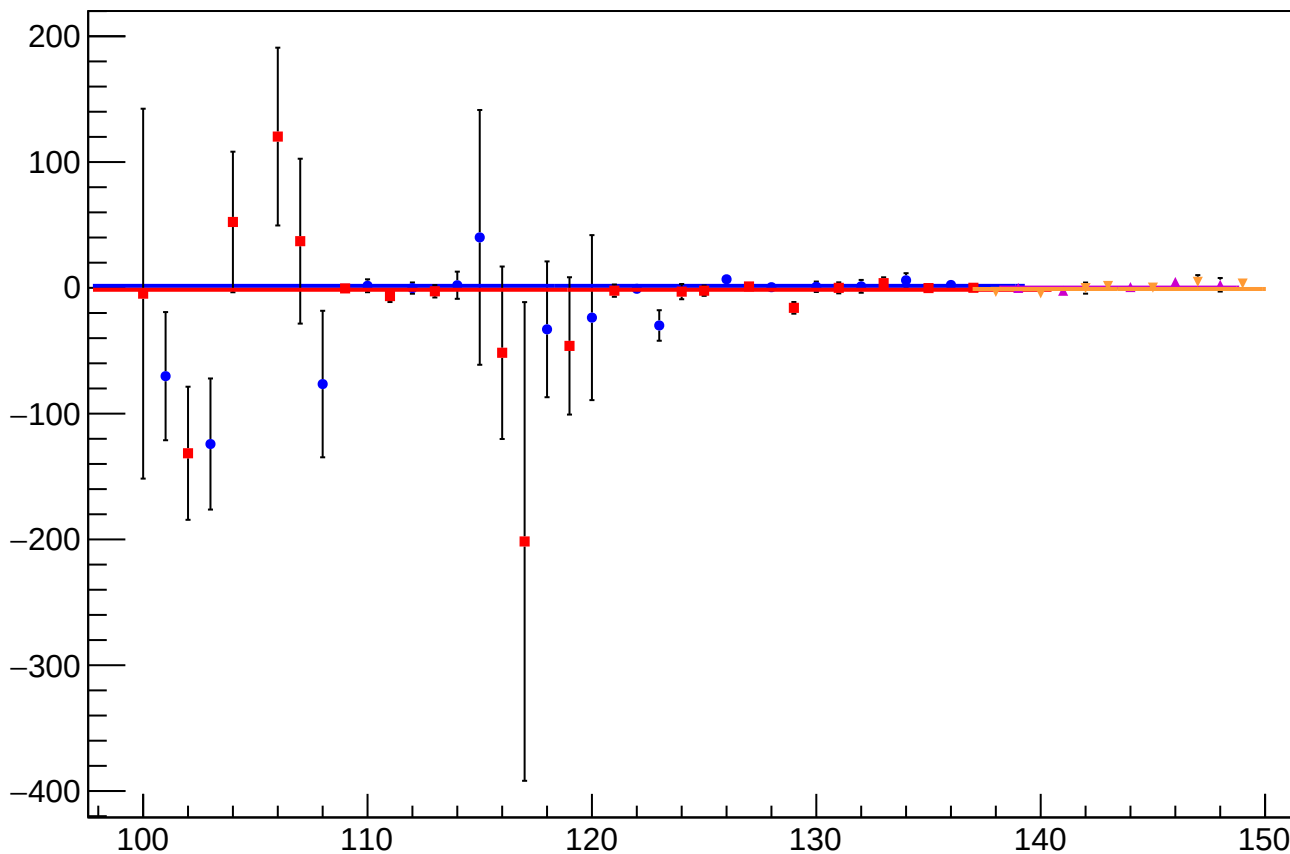
Right Out: 2634.840+/-0.881 χ^2 /NDF: 4936039.0/19

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

1807.859+/-0.434 χ^2 /NDF: 5827266.0/23

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: -0.906 ± 0.995 χ^2/NDF : 7.9/6

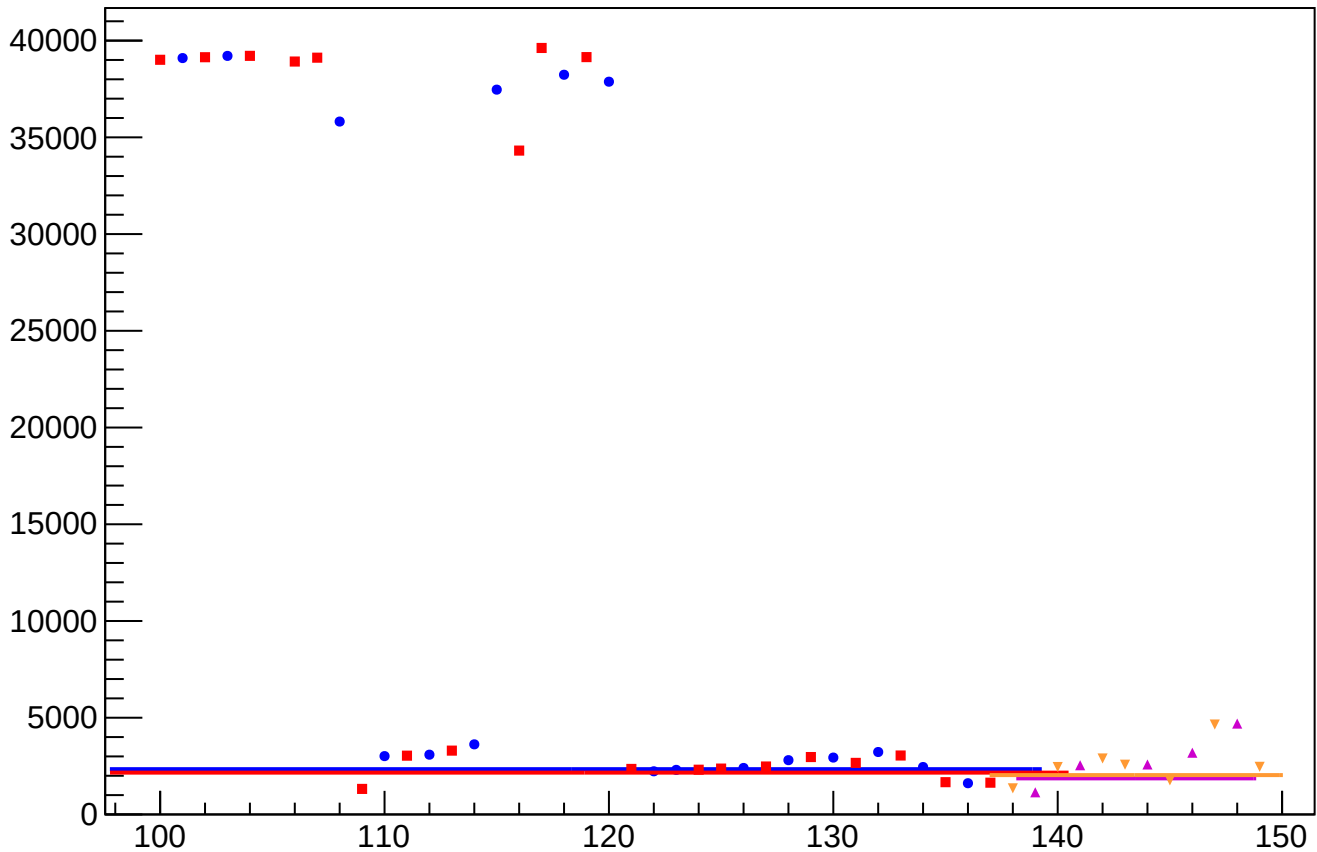
Right Out: -1.530 ± 1.062 χ^2/NDF : 26.1/19

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

0.164 ± 0.750 χ^2/NDF : 30.9/23

-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: 2034.461+/-0.703 χ^2/NDF :1061048.8/6

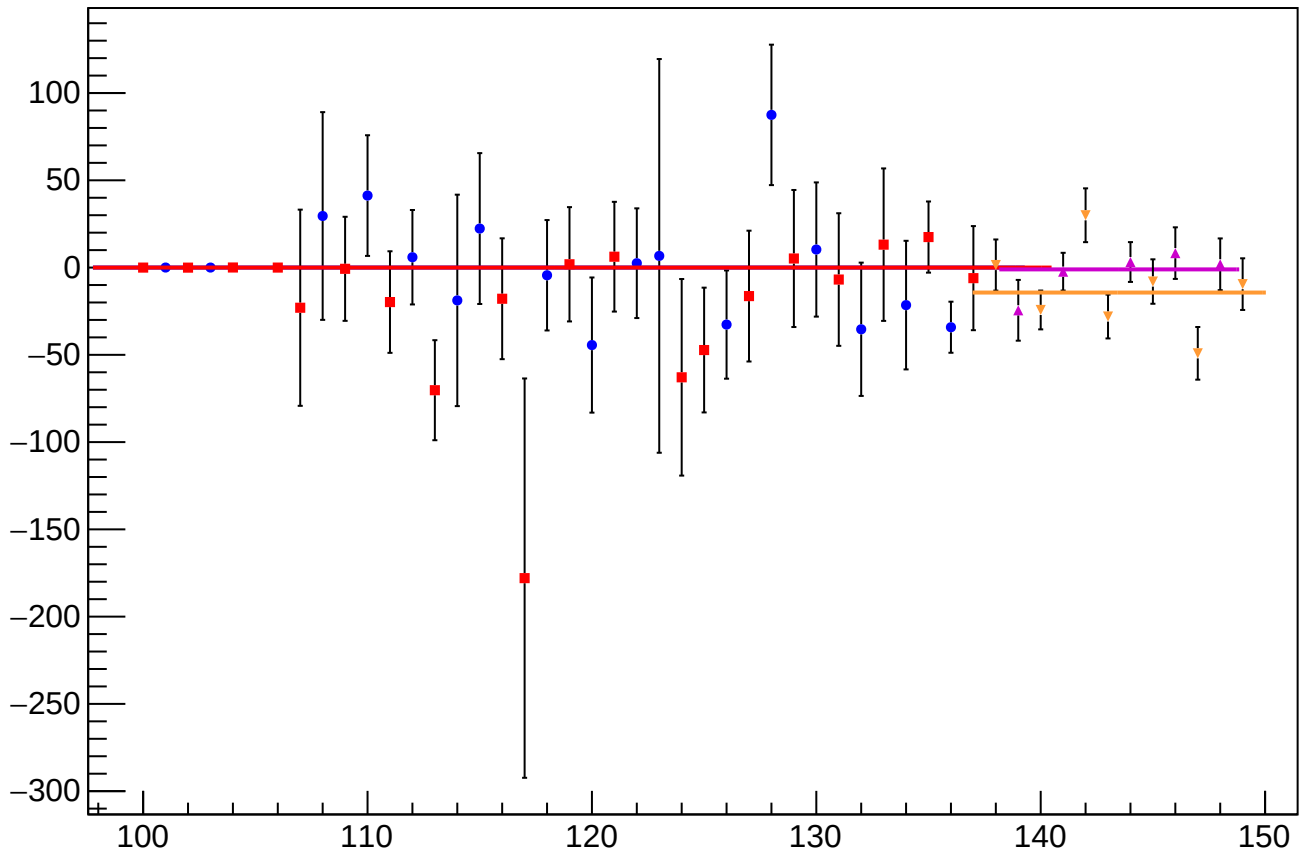
Right Out: 2162.329+/-0.751 χ^2/NDF : 5376569.5/19

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

2166.654+/-0.531 χ^2/NDF : 6149830.7/23

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

diff_cav4bX_mean vs Slug



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 16.2/16

Left Out: -14.313 $\pm$ 5.102 χ^2 /NDF:17.1/6

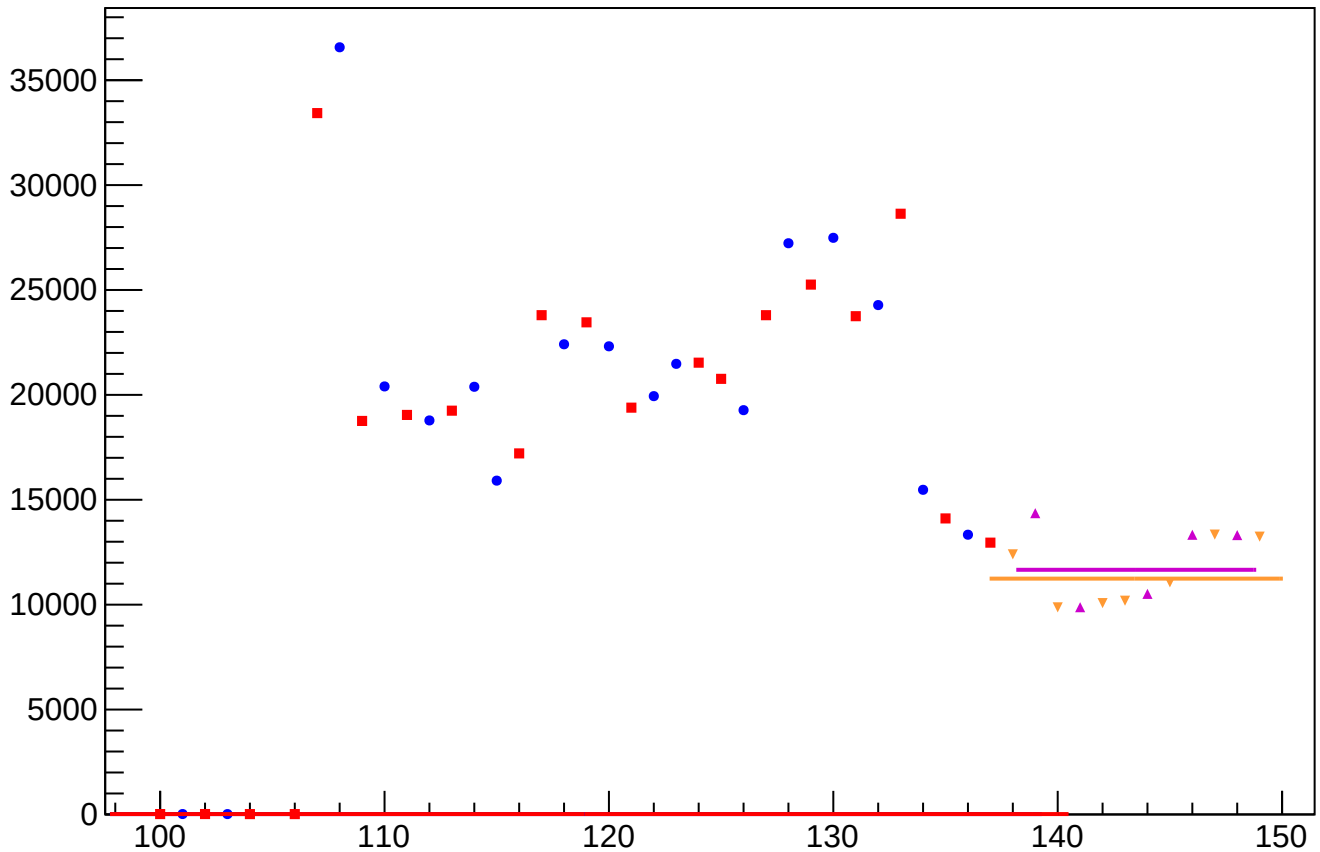
Right Out: 0.003 $\pm$ 0.016 χ^2 /NDF: 18.3/19

Left In: -1.045 $\pm$ 5.905 χ^2 /NDF:2.4/4

0.013 $\pm$ 0.017 χ^2 /NDF: 41.1/23

0.003 $\pm$ 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: 11241.316+/-3.607 χ^2 /NDF:143998.3/6

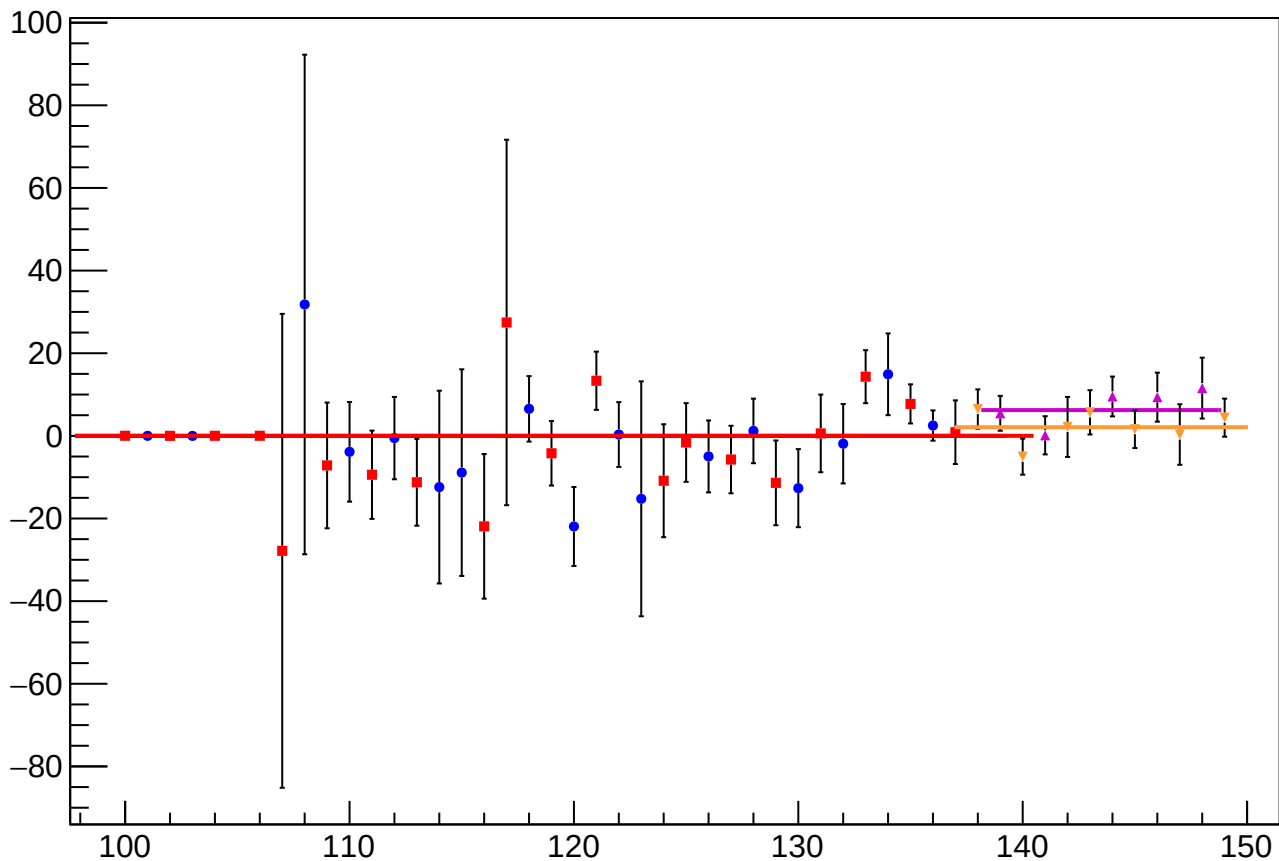
Right Out: 18.312+/-0.011 χ^2 /NDF: 11197081.8/19

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

18.771+/-0.012 χ^2 /NDF: 20806472.7/23

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: 2.093+/-1.947 χ^2/NDF : 4.3/6

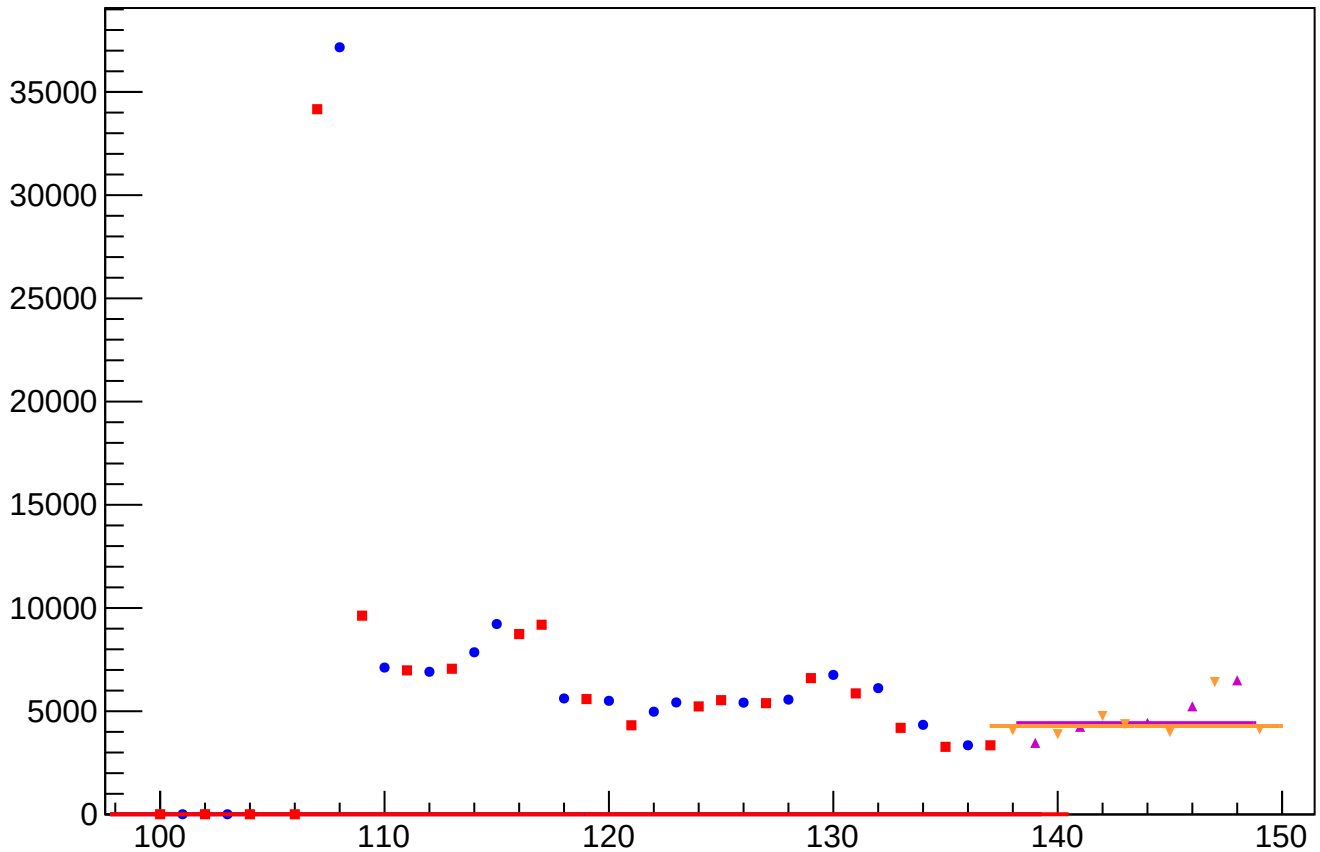
Right Out: 0.014+/-0.009 χ^2/NDF : 19.0/19

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

0.001+/-0.009 χ^2/NDF : 18.5/23

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: 4284.719+/-1.377 χ^2/NDF : 209228.6/6

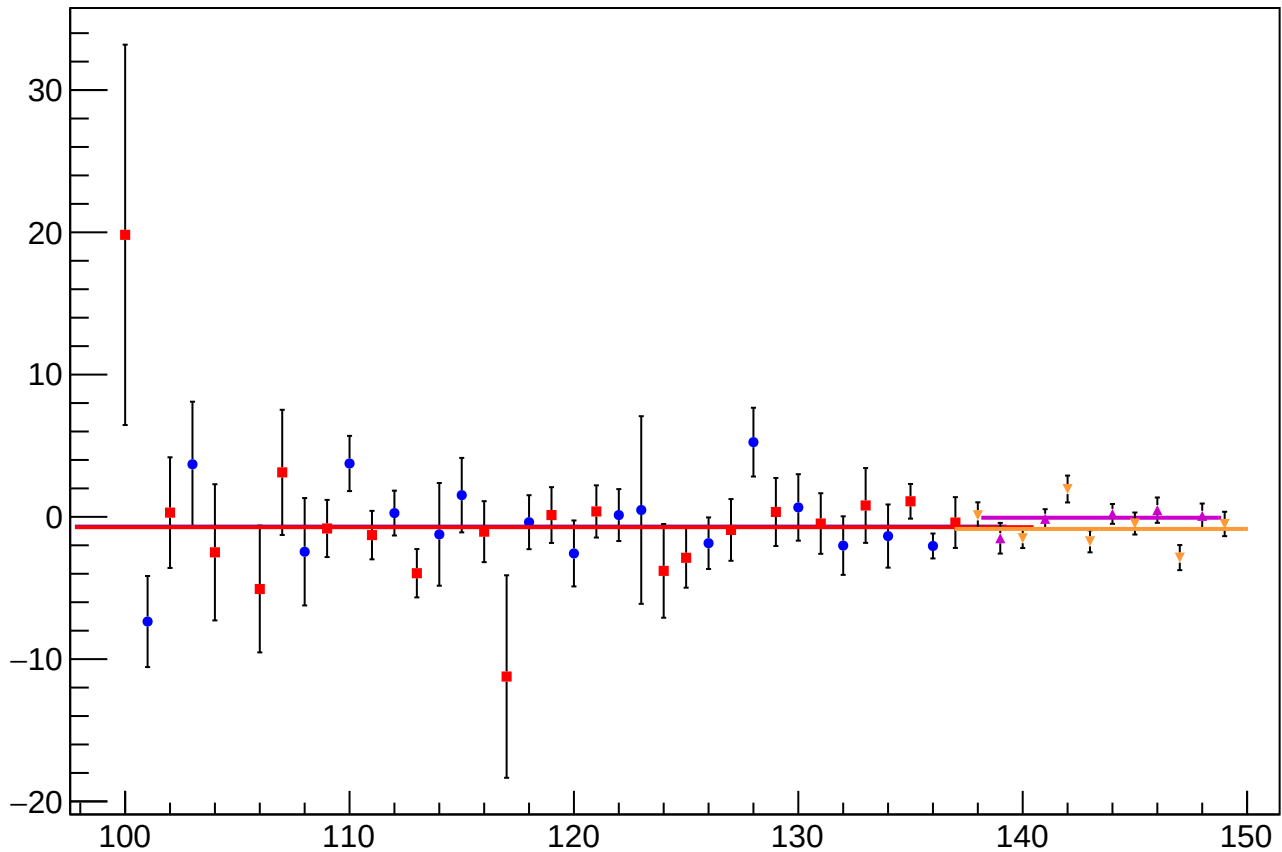
Right Out: 9.855+/-0.006 χ^2/NDF : 11246160.9/19

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

10.035+/-0.007 χ^2/NDF : 20966520.5/23

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: -0.847 ± 0.310 χ^2/NDF : 17.7/6

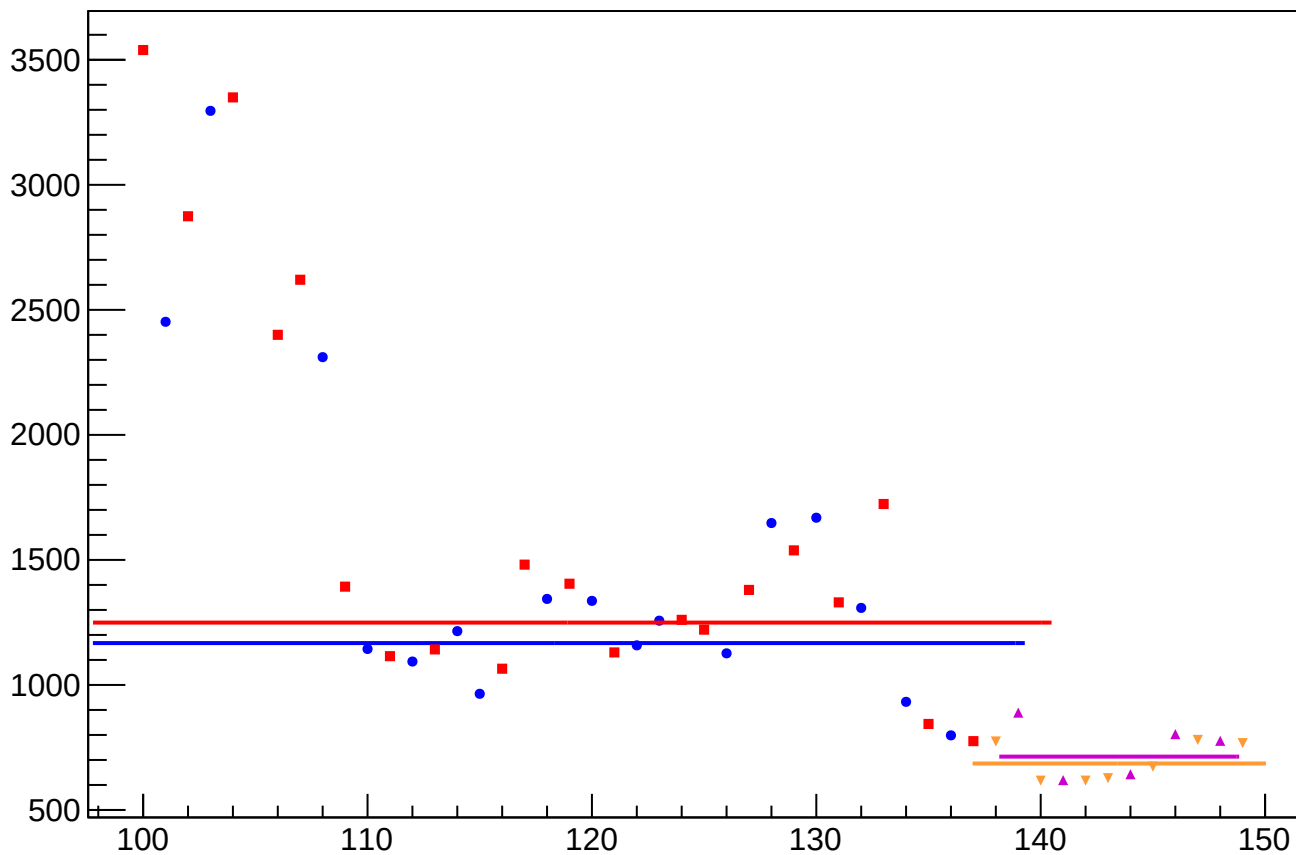
Right Out: -0.724 ± 0.499 χ^2/NDF : 15.5/19

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

-0.801 ± 0.261 χ^2/NDF : 40.3/23

-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: 685.758 $\pm$ 0.219 χ^2 /NDF: 101580.5/6

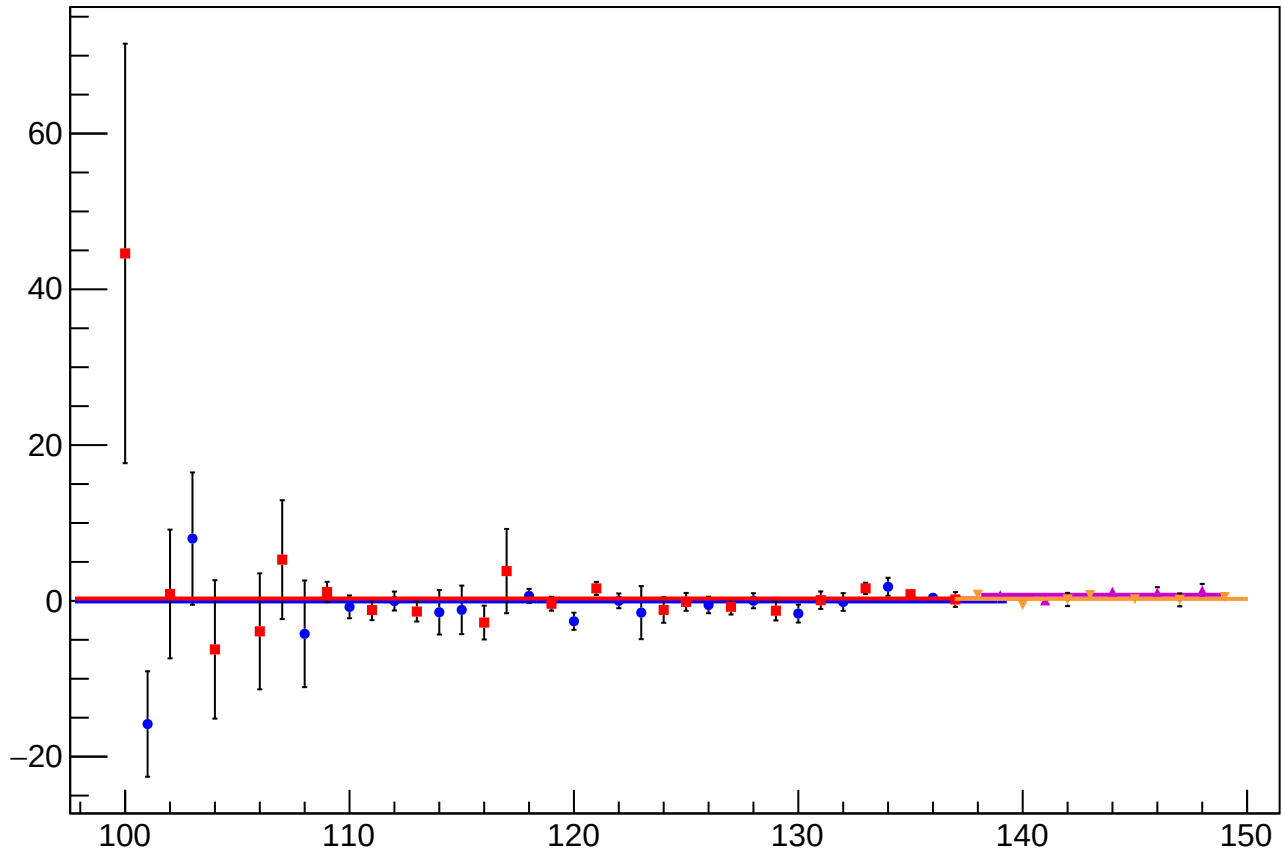
Right Out: 1249.388 $\pm$ 0.353 χ^2 /NDF: 1656159.5/19

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

826.769 $\pm$ 0.185 χ^2 /NDF: 3090649.4/23

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

diff_cav4cY_mean vs Slug



Right In: -0.072 ± 0.269 $\chi^2/\text{NDF}: 19.2/16$

0.118 ± 0.174 $\chi^2/\text{NDF}: 24.2/23$

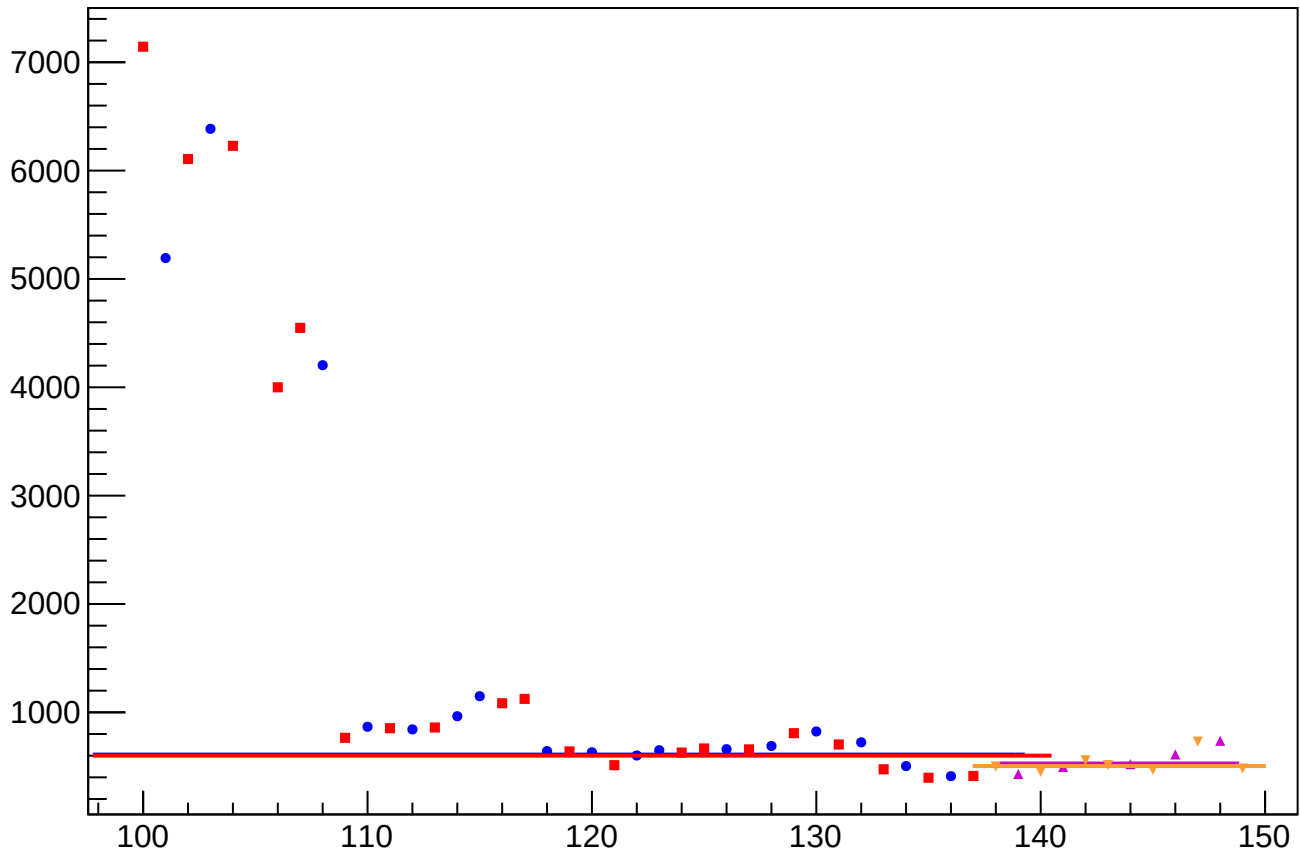
Left Out: 0.256 ± 0.229 $\chi^2/\text{NDF}: 4.1/6$

0.536 ± 0.189 $\chi^2/\text{NDF}: 25.2/24$

Right Out: 0.303 ± 0.264 $\chi^2/\text{NDF}: 20.7/19$

Left In: 0.780 ± 0.270 $\chi^2/\text{NDF}: 2.9/4$

diff_cav4cY_rms vs Slug



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

Left Out: 504.267 $\pm$ 0.162 χ^2 /NDF: 189248.4/6

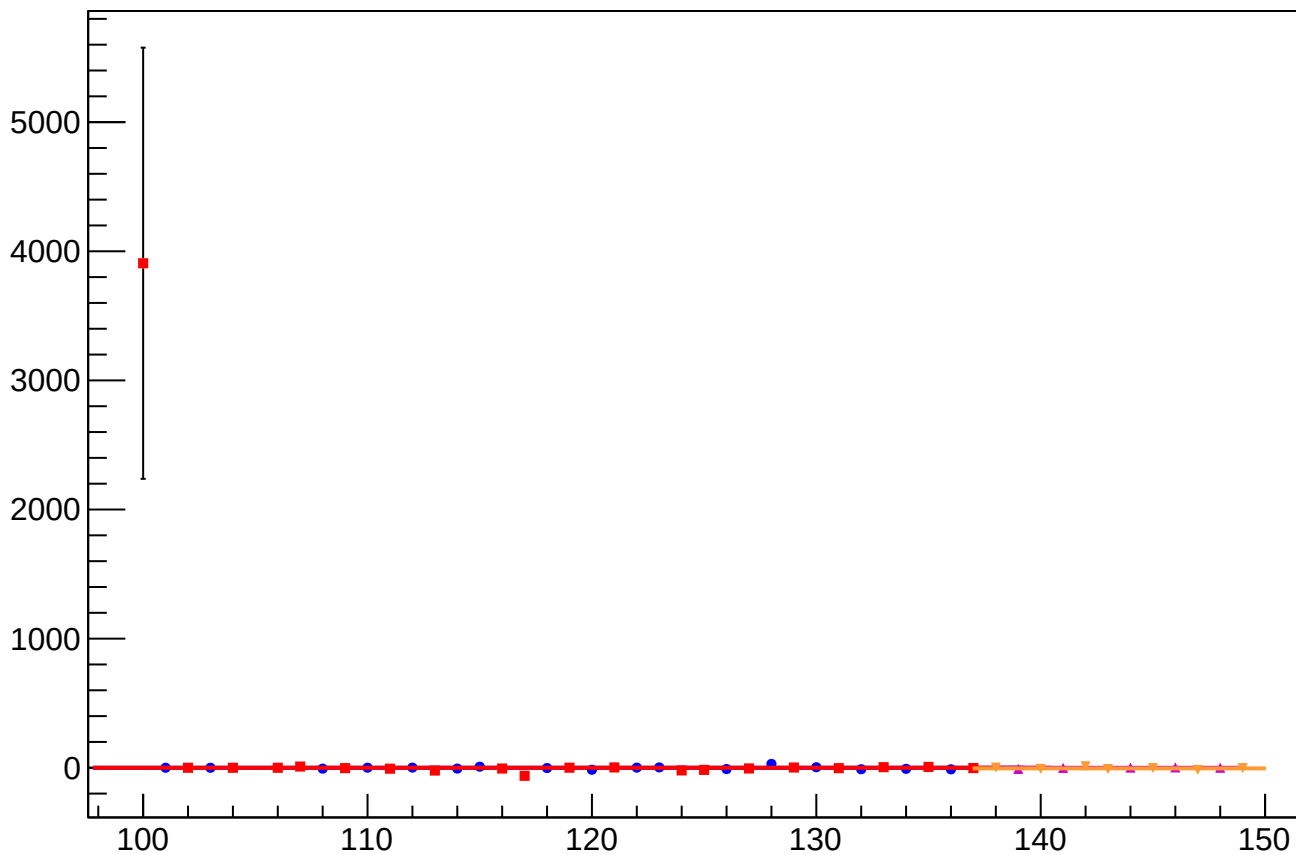
548.626 $\pm$ 0.123 χ^2 /NDF: 3504124.8/23

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: -4.874 ± 1.798 χ^2/NDF : 17.8/6

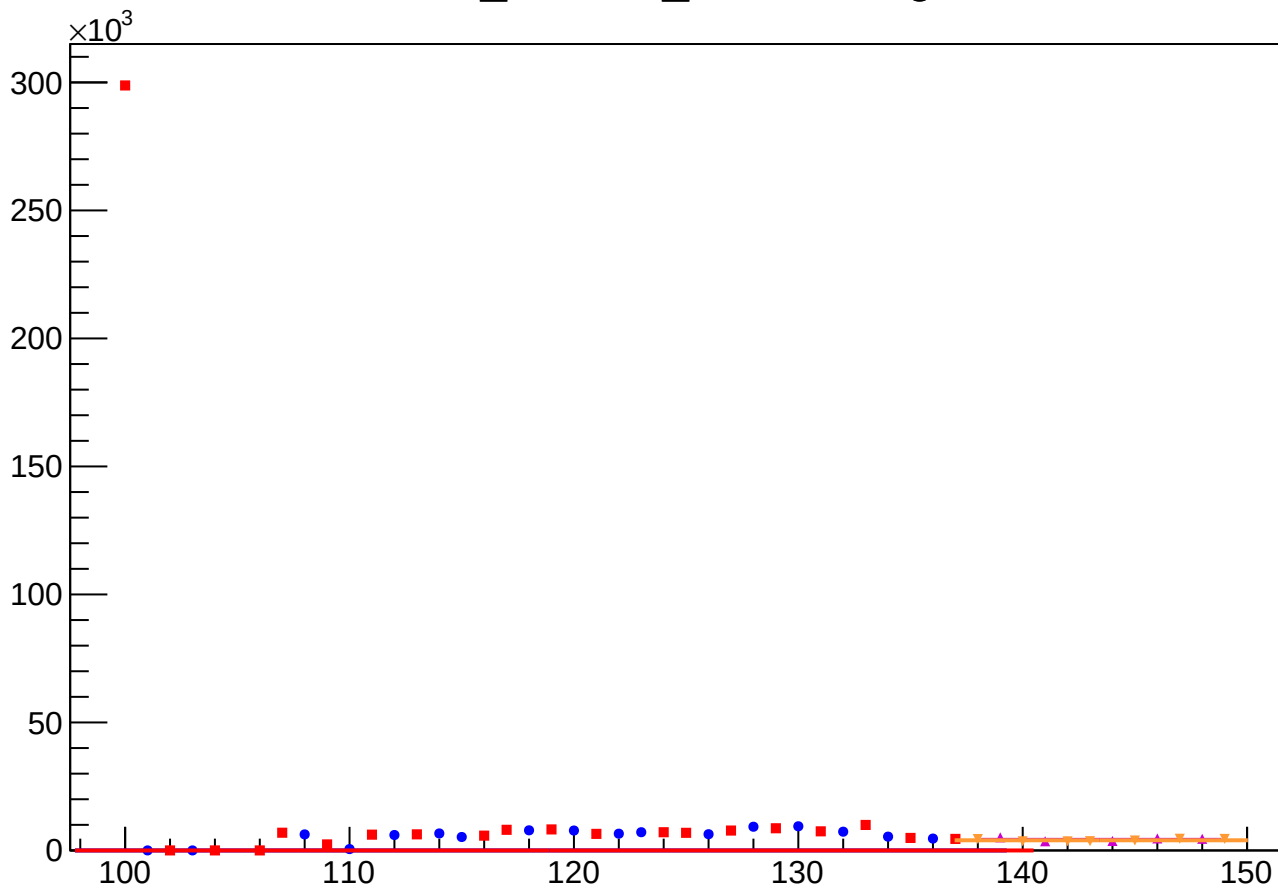
Right Out: -0.027 ± 0.020 χ^2/NDF : 20.5/19

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

-0.022 ± 0.021 χ^2/NDF : 40.7/23

-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: 3971.293 $\pm$ 1.271 χ^2 /NDF:109938.0/6

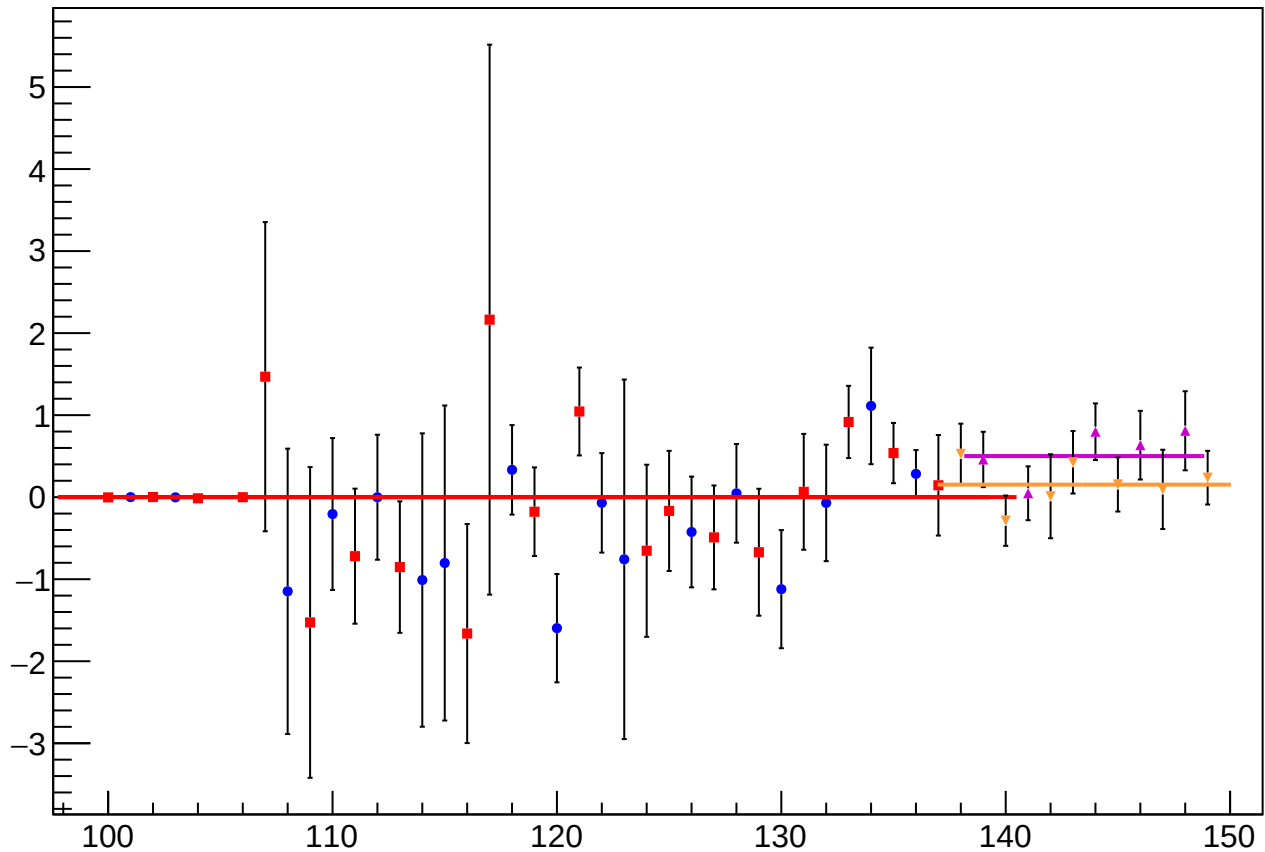
Right Out: 17.271 $\pm$ 0.014 χ^2 /NDF: 10906837.9/19

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

17.869 $\pm$ 0.015 χ^2 /NDF: 20280183.7/23

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

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 $\chi^2/\text{NDF}: 13.8/16$

Left Out: 0.153 ± 0.139 $\chi^2/\text{NDF}: 3.8/6$

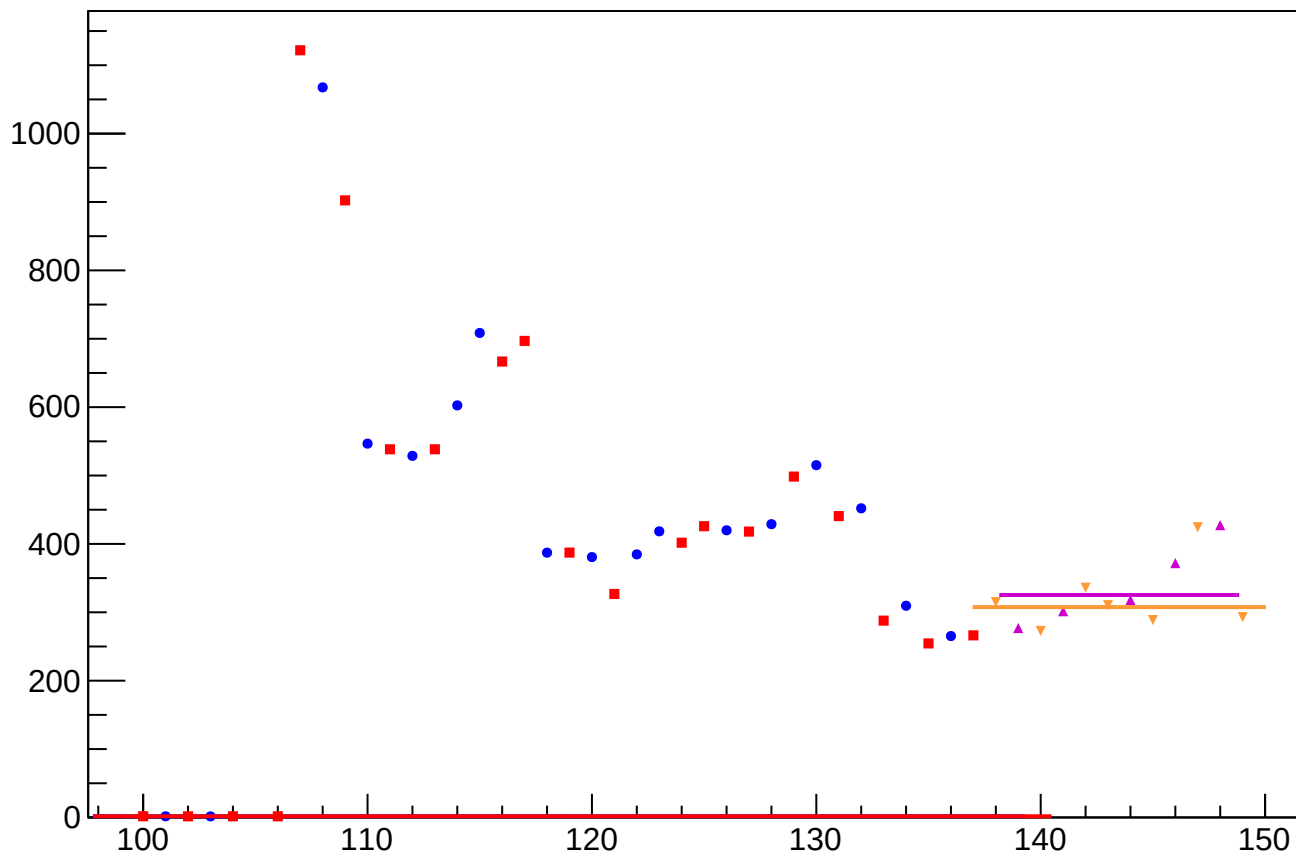
Right Out: 0.001 ± 0.002 $\chi^2/\text{NDF}: 18.3/19$

Left In: 0.501 ± 0.166 $\chi^2/\text{NDF}: 3.2/4$

0.000 ± 0.002 $\chi^2/\text{NDF}: 18.7/23$

0.001 ± 0.002 $\chi^2/\text{NDF}: 30.6/24$

diff_cav4dY_rms vs Slug



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

Left Out: 307.614+/-0.099 χ^2/NDF :160322.3/6

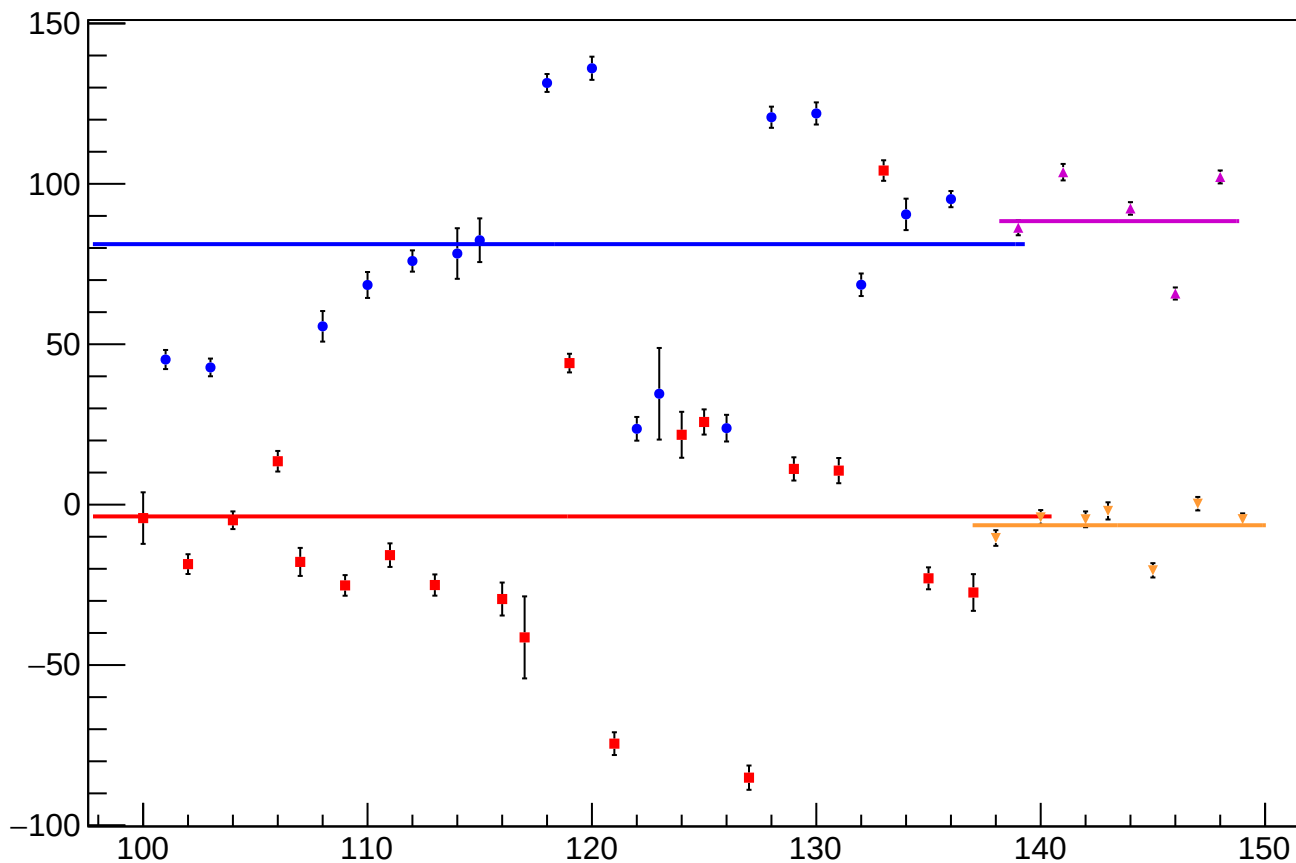
Right Out: 1.729+/-0.001 χ^2/NDF : 10829914.3/19

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

1.764+/-0.001 χ^2/NDF : 20856343.9/23

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: -6.421 $\pm$ 0.848 χ^2 /NDF: 57.9/6

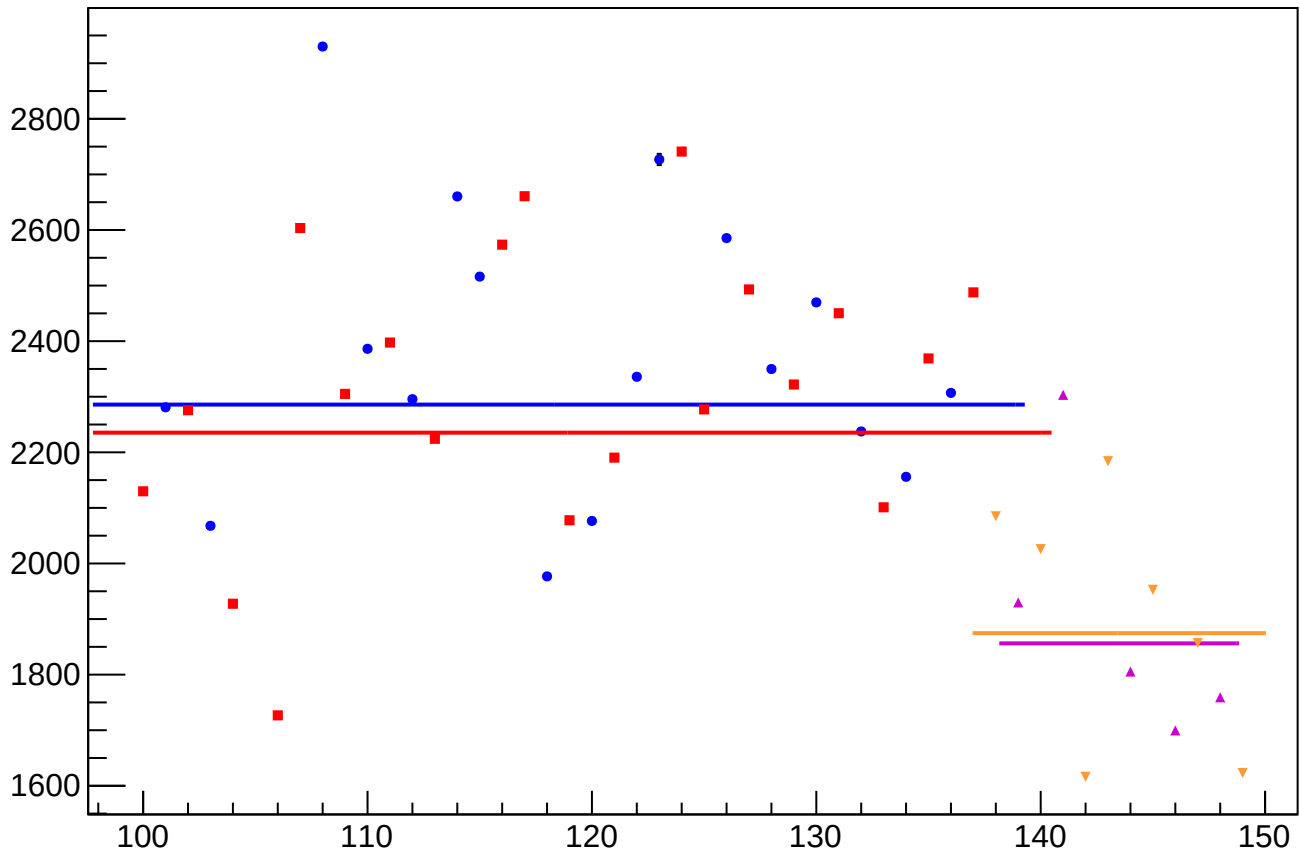
Right Out: -3.672 $\pm$ 0.841 χ^2 /NDF: 2607.8/19

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

35.485 $\pm$ 0.613 χ^2 /NDF: 6874.1/23

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

diff_bpm0i01X_rms vs Slug



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

Left Out: 1874.689+/-0.600 χ^2/NDF : 113090.6/6

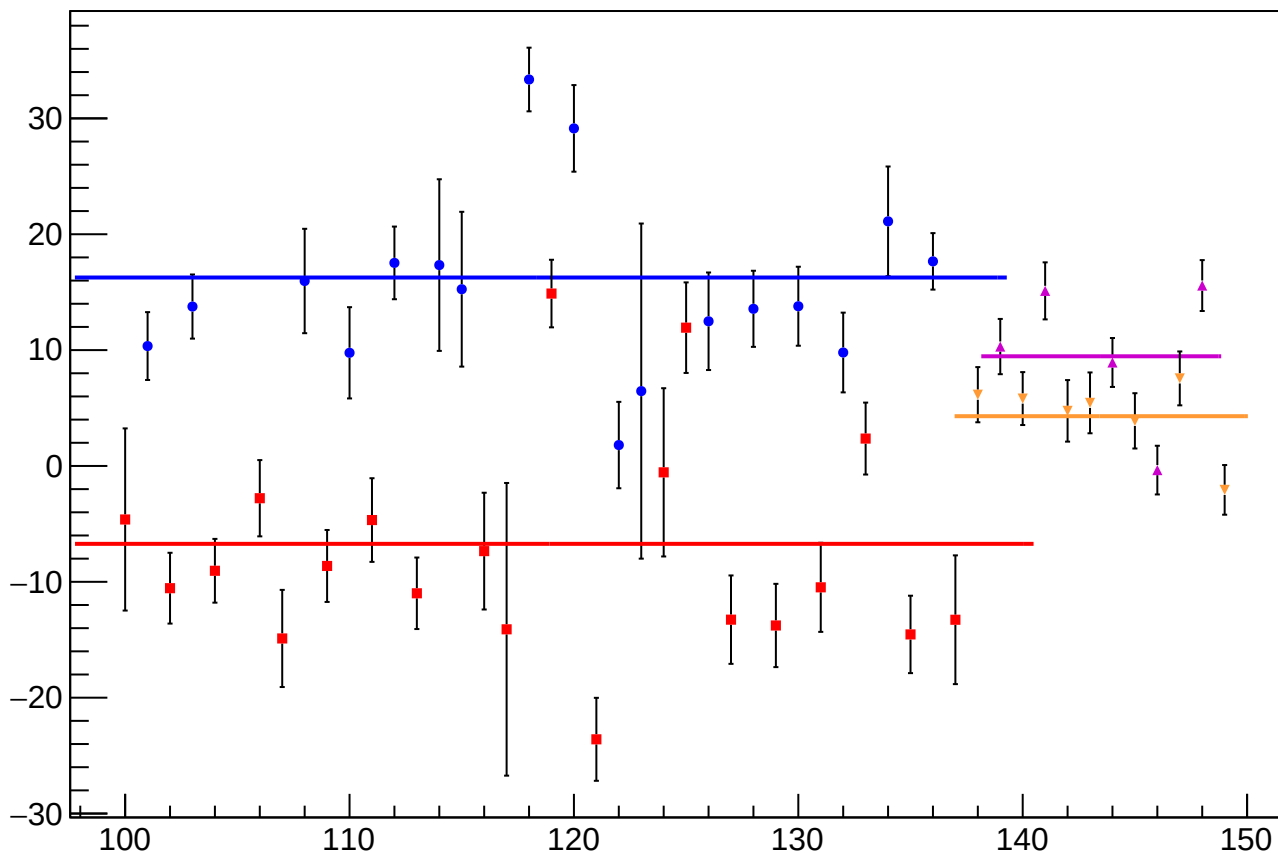
Right Out: 2235.394+/-0.594 χ^2/NDF : 149072.1/19

Left In: 1856.250+/-0.669 χ^2/NDF : 82310.6/4

2071.335+/-0.433 χ^2/NDF : 447307.3/23

2068.094+/-0.444 χ^2/NDF : 410878.2/24

diff_bpm0i01Y_mean vs Slug



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

Left Out: 4.295 $\pm$ 0.901 χ^2 /NDF: 12.1/6

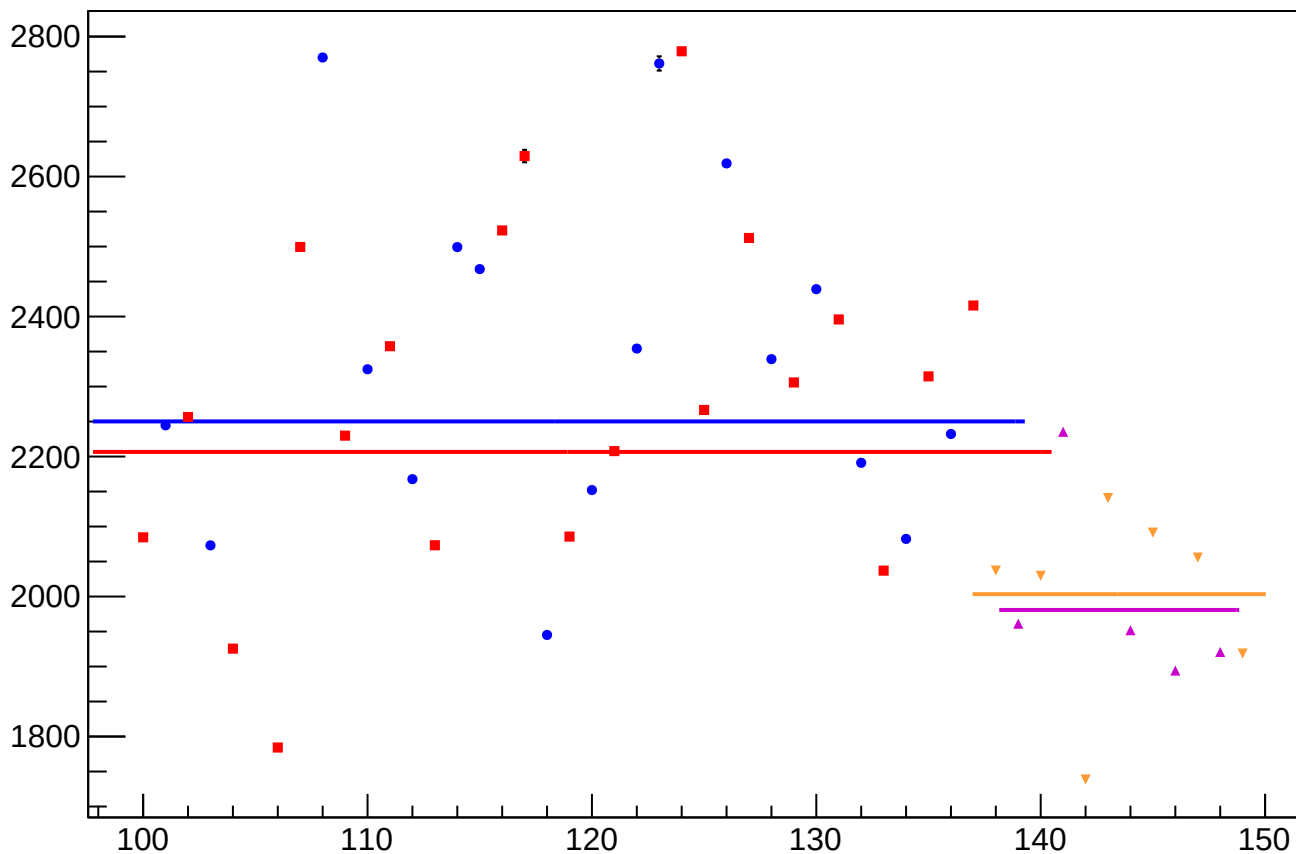
Right Out: -6.722 $\pm$ 0.829 χ^2 /NDF: 134.3/19

Left In: 9.467 $\pm$ 1.001 χ^2 /NDF: 35.0/4

10.476 $\pm$ 0.626 χ^2 /NDF: 184.1/23

-0.134 $\pm$ 0.638 χ^2 /NDF: 324.5/24

diff_bpm0i01Y_rms vs Slug



Right In: 2250.175 $\pm$ 0.616 χ^2 /NDF: 97578.1/16

Left Out: 2003.392 $\pm$ 0.637 χ^2 /NDF: 32864.8/6

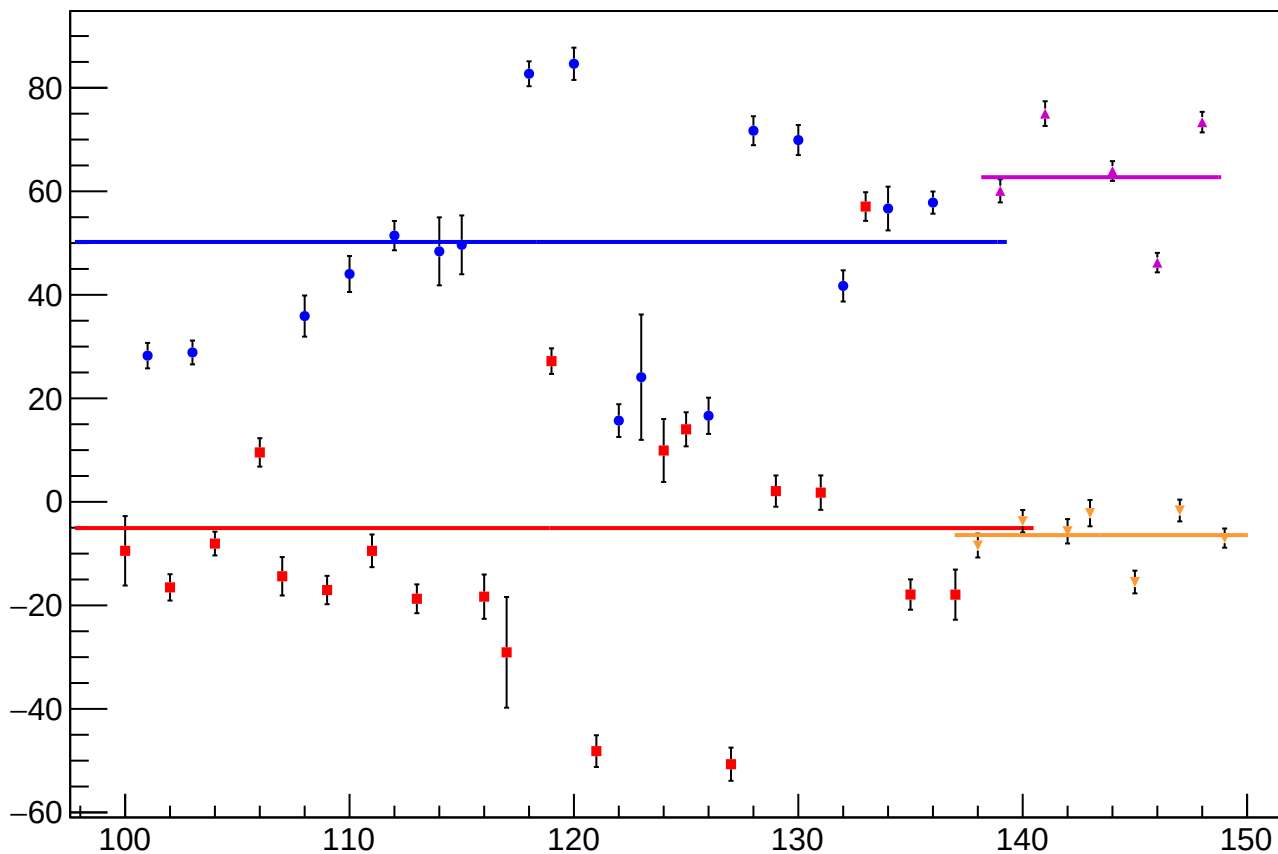
Right Out: 2206.617 $\pm$ 0.586 χ^2 /NDF: 128476.5/19

Left In: 1980.833 $\pm$ 0.708 χ^2 /NDF: 26790.6/4

2130.828 $\pm$ 0.443 χ^2 /NDF: 207999.0/23

2114.724 $\pm$ 0.451 χ^2 /NDF: 215652.7/24

diff_bpm0i01aX_mean vs Slug



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

Left Out: -6.419+/-0.827 χ^2/NDF : 27.4/6

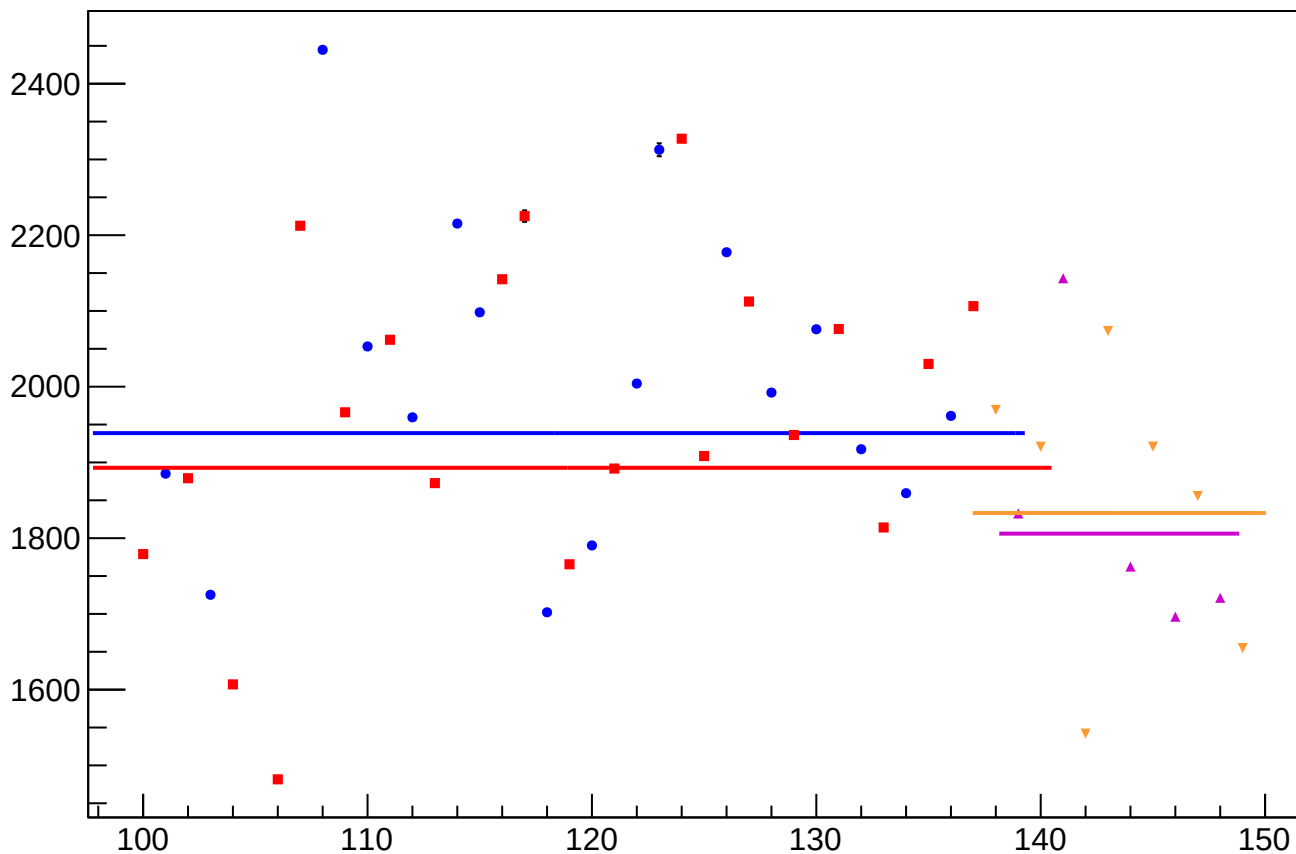
Right Out: -5.065+/-0.712 χ^2/NDF : 1267.6/19

Left In: 62.727+/-0.918 χ^2/NDF : 133.9/4

24.640+/-0.556 χ^2/NDF : 3427.4/23

20.374+/-0.563 χ^2/NDF : 4805.1/24

diff_bpm0i01aX_rms vs Slug



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

Left Out: 1833.261 $\pm$ 0.585 χ^2 /NDF: 80666.6/6

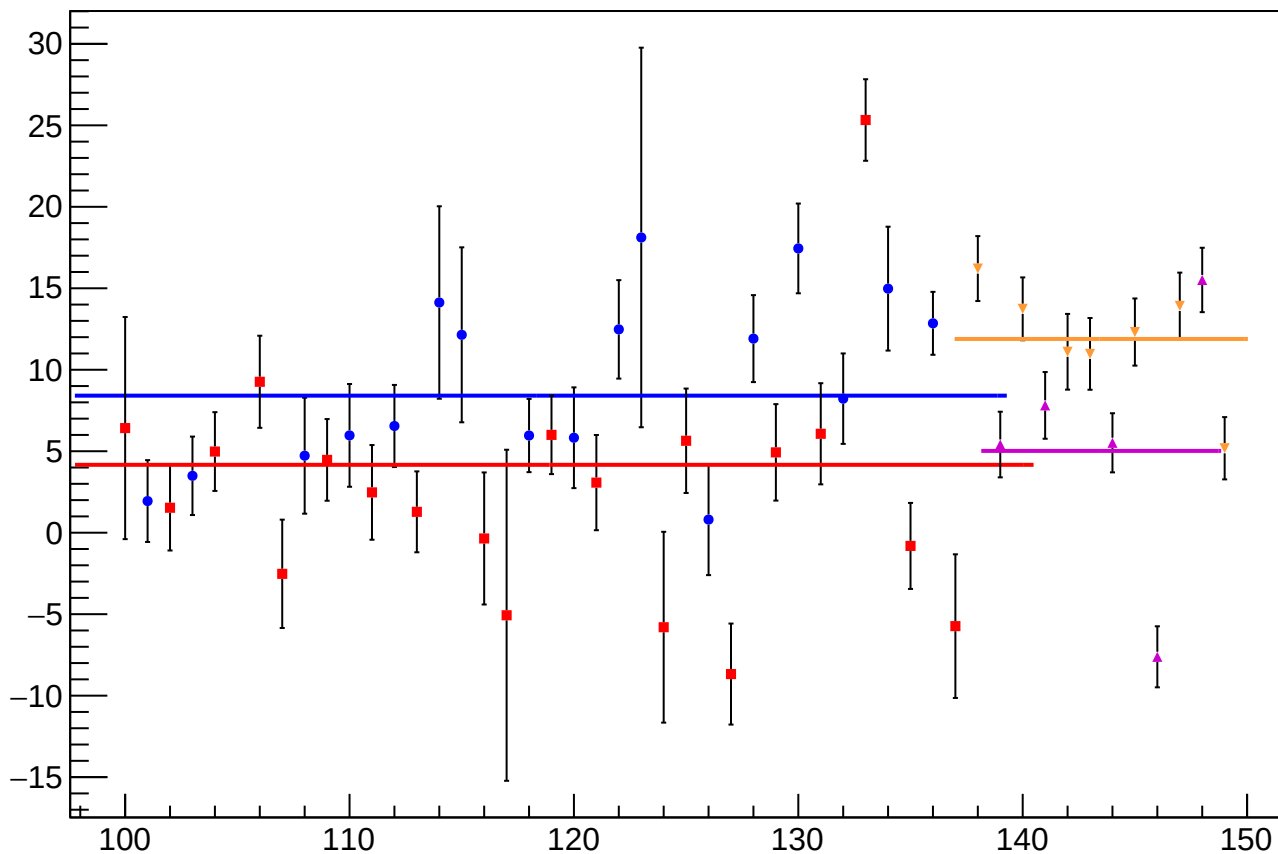
Right Out: 1892.946 $\pm$ 0.503 χ^2 /NDF: 148563.2/19

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

1891.078 $\pm$ 0.393 χ^2 /NDF: 198619.2/23

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

diff_bpm0i01aY_mean vs Slug



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

Left Out: 11.891 ± 0.776 χ^2/NDF : 19.3/6

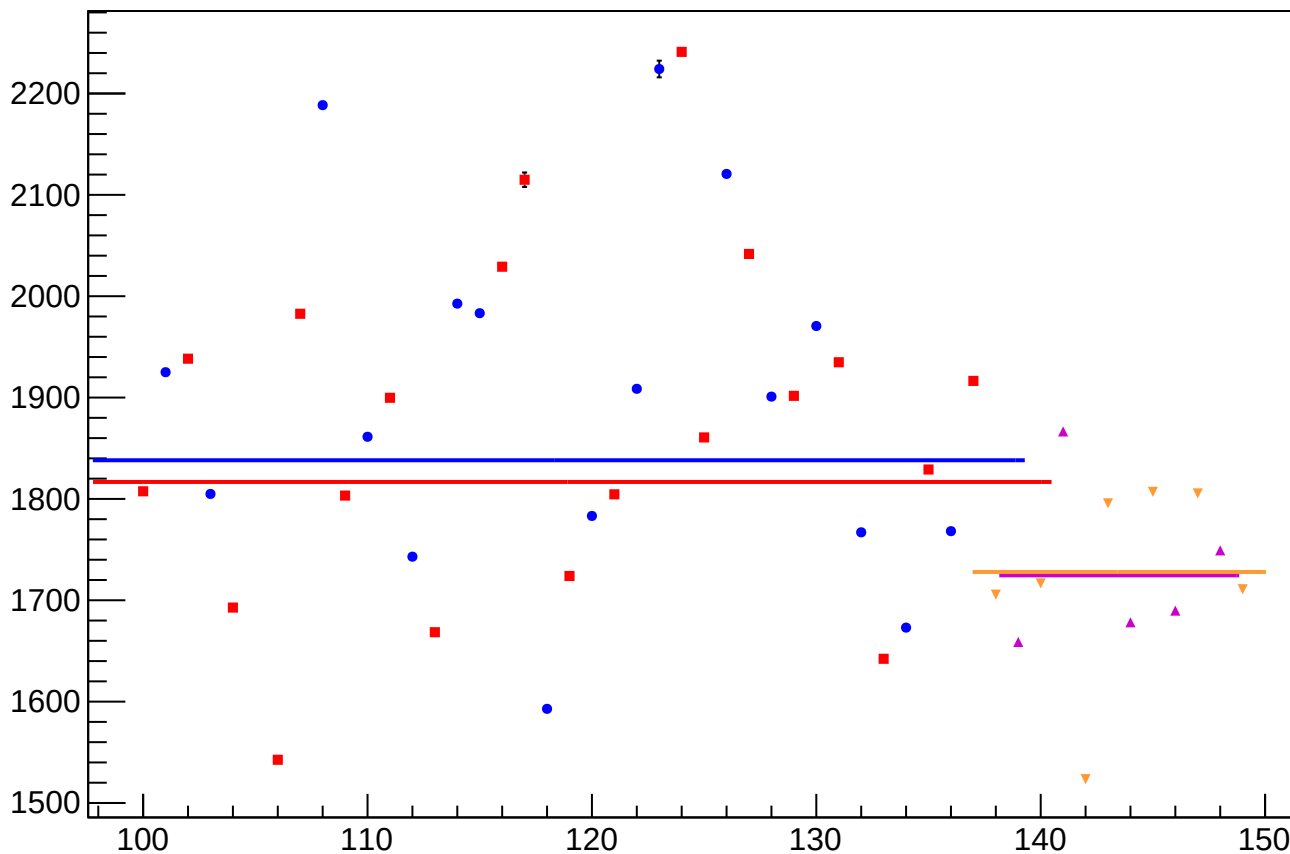
Right Out: 4.167 ± 0.681 χ^2/NDF : 113.9/19

Left In: 5.020 ± 0.867 χ^2/NDF : 75.7/4

10.000 ± 0.524 χ^2/NDF : 74.8/23

4.492 ± 0.535 χ^2/NDF : 190.2/24

diff_bpm0i01aY_rms vs Slug



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

Left Out: 1727.934 ± 0.549 χ^2/NDF : 23668.1/6

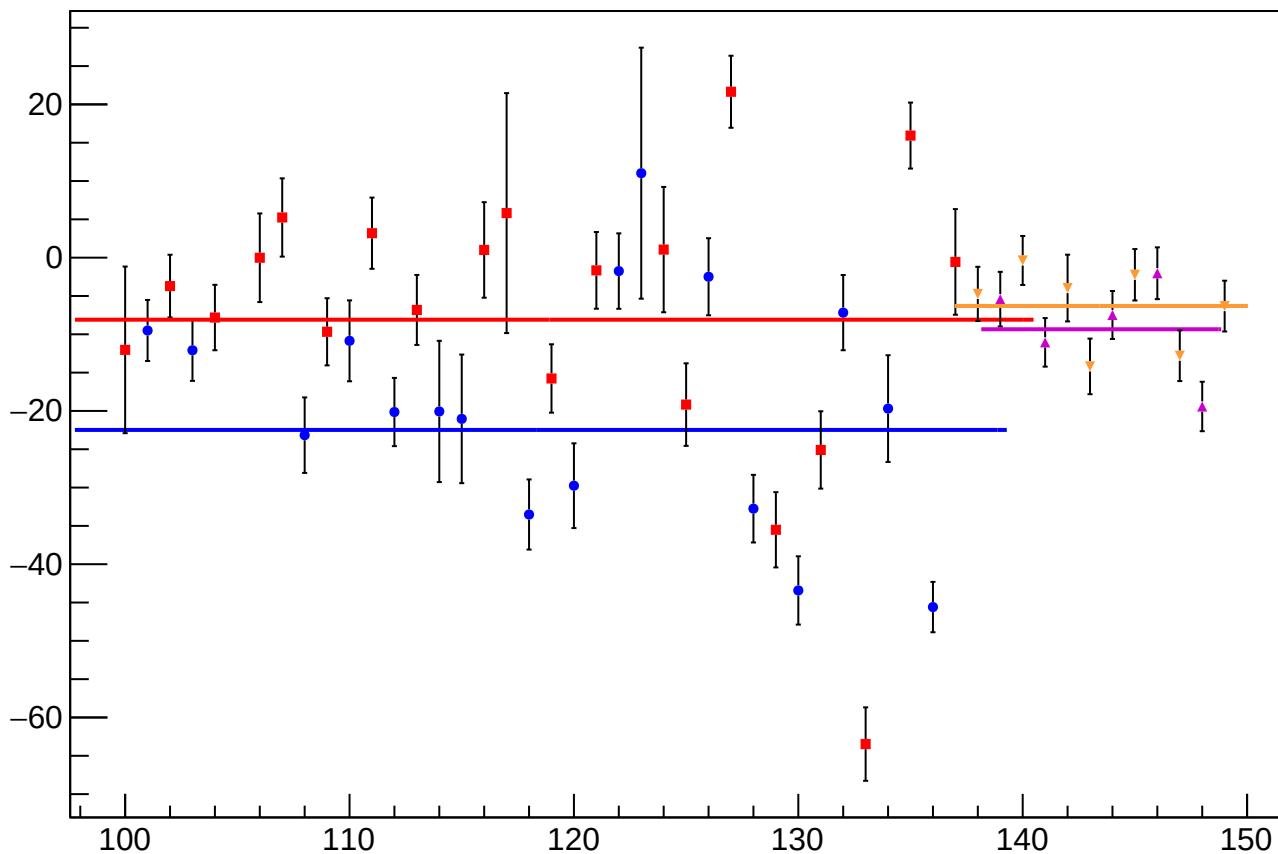
Right Out: 1816.748 ± 0.481 χ^2/NDF : 89149.7/19

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

1787.815 ± 0.371 χ^2/NDF : 128477.0/23

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

diff_bpm0l01X_mean vs Slug



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

Left Out: -6.302 ± 1.316 χ^2/NDF : 14.0/6

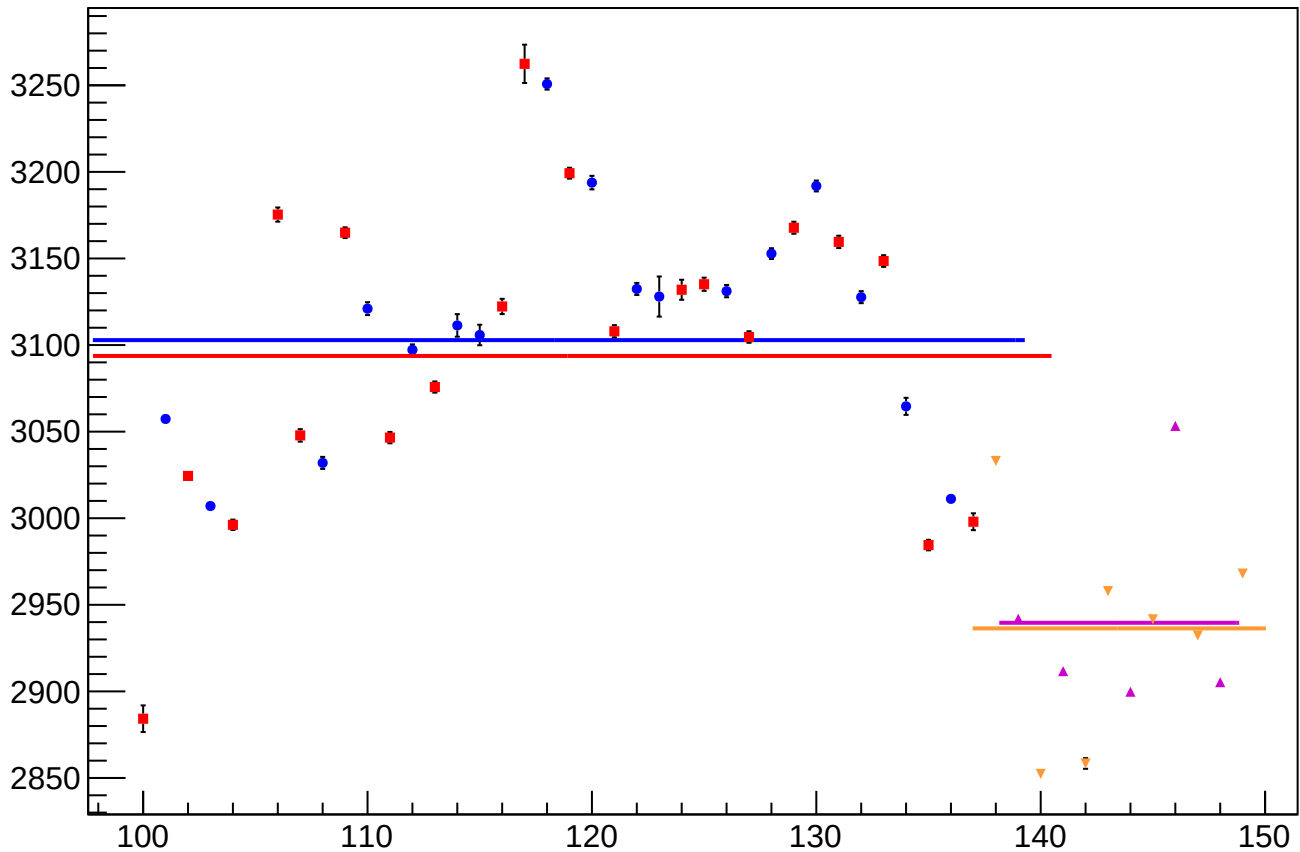
Right Out: -8.093 ± 1.153 χ^2/NDF : 277.7/19

Left In: -9.343 ± 1.468 χ^2/NDF : 16.3/4

-15.167 ± 0.884 χ^2/NDF : 251.5/23

-8.570 ± 0.907 χ^2/NDF : 294.4/24

diff_bpm0l01X_rms vs Slug



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

Left Out: 2936.382+/-0.930 χ^2/NDF : 3779.2/6

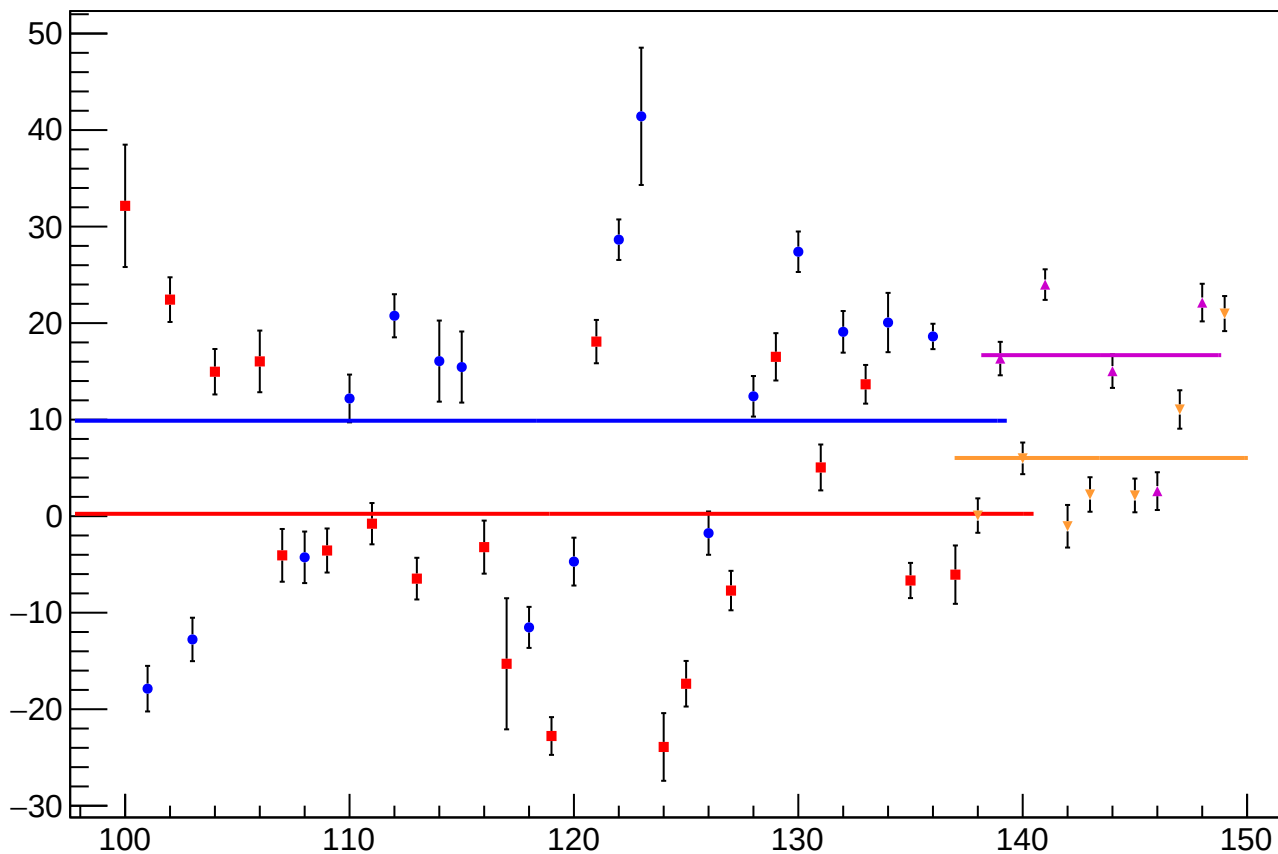
Right Out: 3093.715+/-0.816 χ^2/NDF : 7996.8/19

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

3027.608+/-0.625 χ^2/NDF : 28672.9/23

3034.898+/-0.641 χ^2/NDF : 24592.1/24

diff_bpm0l01Y_mean vs Slug



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

Left Out: 6.030 ± 0.692 χ^2/NDF : 105.1/6

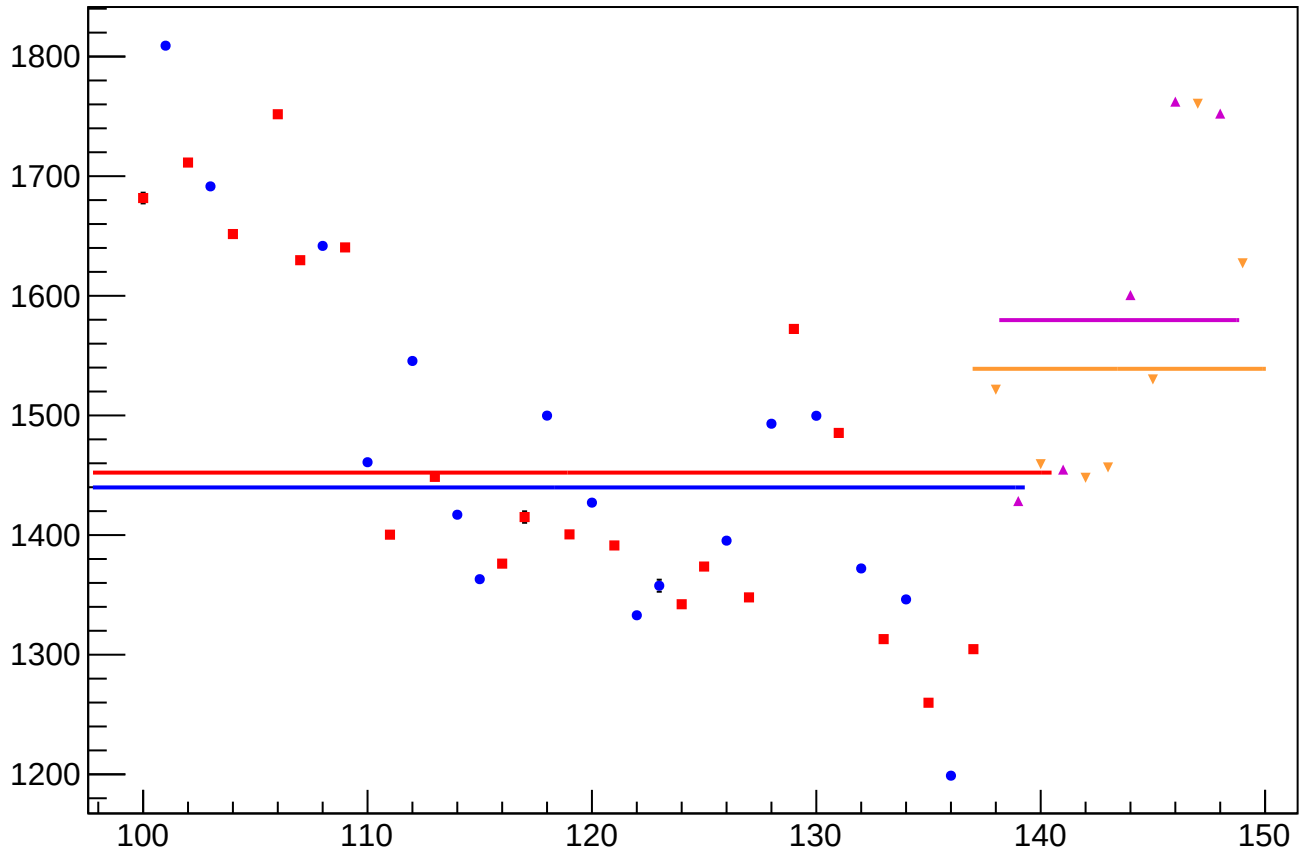
Right Out: 0.245 ± 0.545 χ^2/NDF : 634.1/19

Left In: 16.681 ± 0.794 χ^2/NDF : 81.9/4

8.363 ± 0.435 χ^2/NDF : 827.5/23

5.513 ± 0.449 χ^2/NDF : 1007.4/24

diff_bpm0l01Y_rms vs Slug



Right In: 1439.826 ± 0.396 χ^2/NDF : 172823.5/16

Left Out: 1538.982 ± 0.489 χ^2/NDF : 42119.7/6

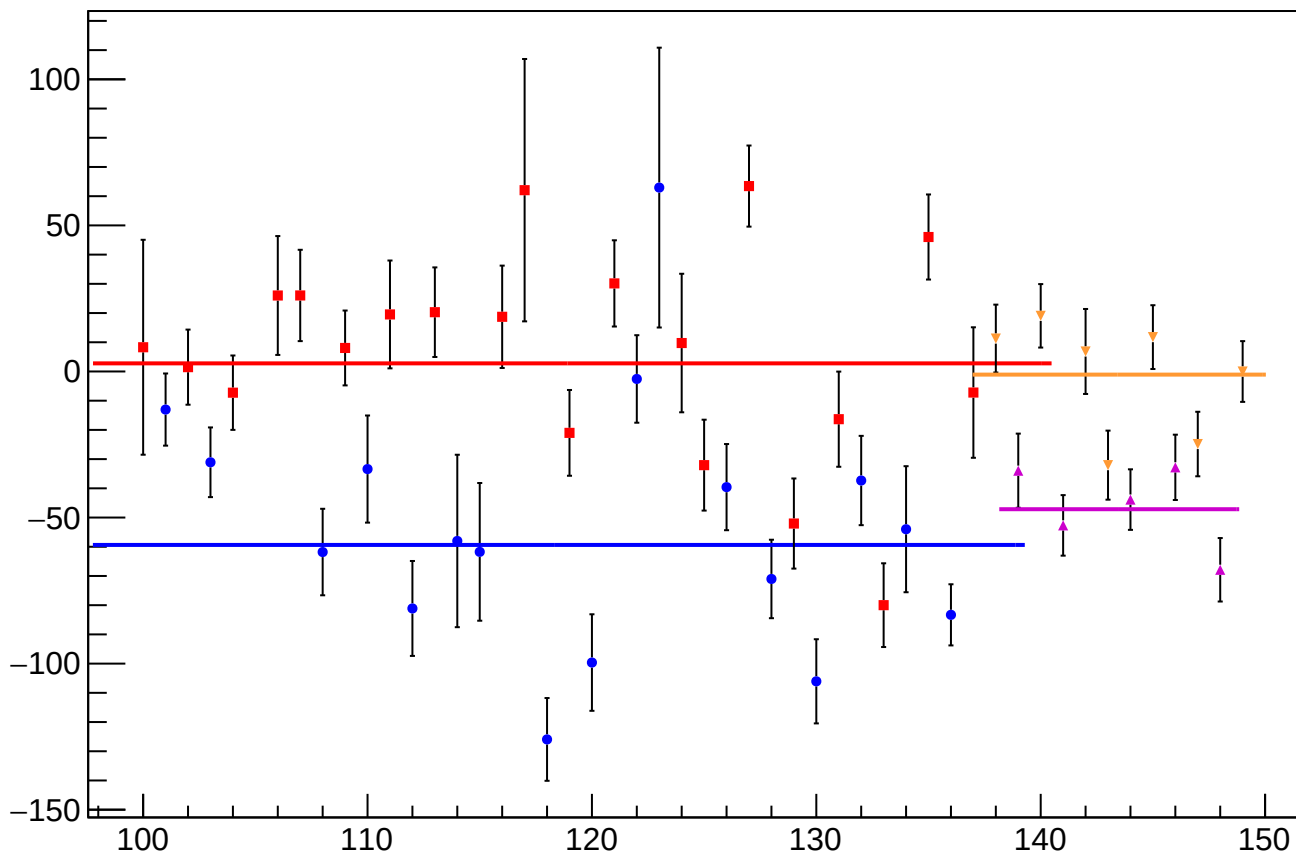
Right Out: 1452.211 ± 0.385 χ^2/NDF : 138579.9/19

Left In: 1579.687 ± 0.561 χ^2/NDF : 61103.2/4

1479.017 ± 0.308 χ^2/NDF : 239772.7/23

1493.064 ± 0.318 χ^2/NDF : 234734.0/24

diff_bpm0l02X_mean vs Slug



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

Left Out: -1.073 ± 4.319 $\chi^2/\text{NDF}: 17.8/6$

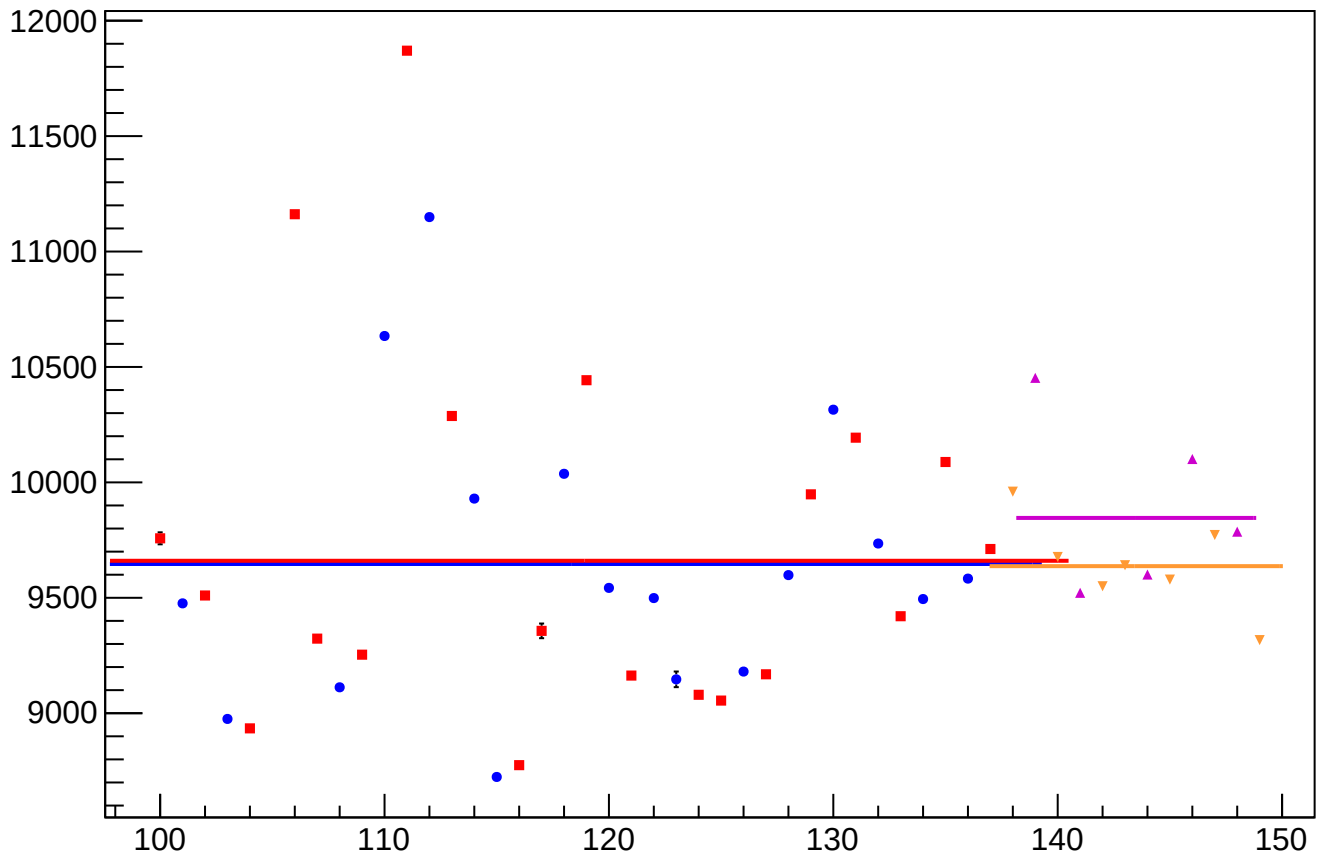
Right Out: 2.776 ± 3.618 $\chi^2/\text{NDF}: 95.7/19$

Left In: -47.147 ± 4.920 $\chi^2/\text{NDF}: 6.8/4$

-34.475 ± 2.822 $\chi^2/\text{NDF}: 215.1/23$

-14.745 ± 2.915 $\chi^2/\text{NDF}: 169.3/24$

diff_bpm0l02X_rms vs Slug



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

Left Out: 9637.112 ± 3.054 χ^2/NDF : 3896.9/6

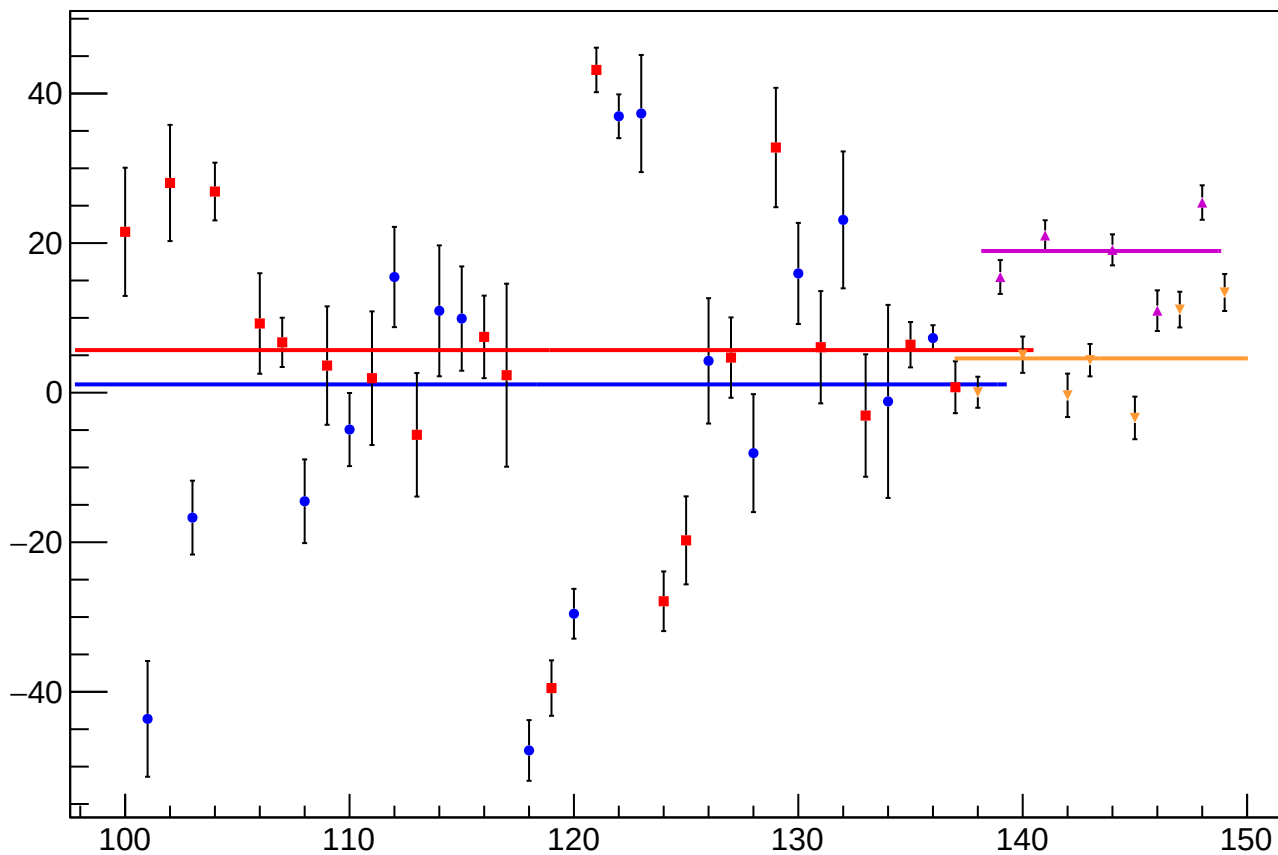
Right Out: 9660.380 ± 2.558 χ^2/NDF : 77676.0/19

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

9642.479 ± 1.996 χ^2/NDF : 47962.5/23

9725.532 ± 2.061 χ^2/NDF : 88279.4/24

diff_bpm0l02Y_mean vs Slug



Right In: 1.106 ± 1.066 χ^2/NDF : 489.7/16

Left Out: 4.584 ± 0.914 χ^2/NDF : 35.7/6

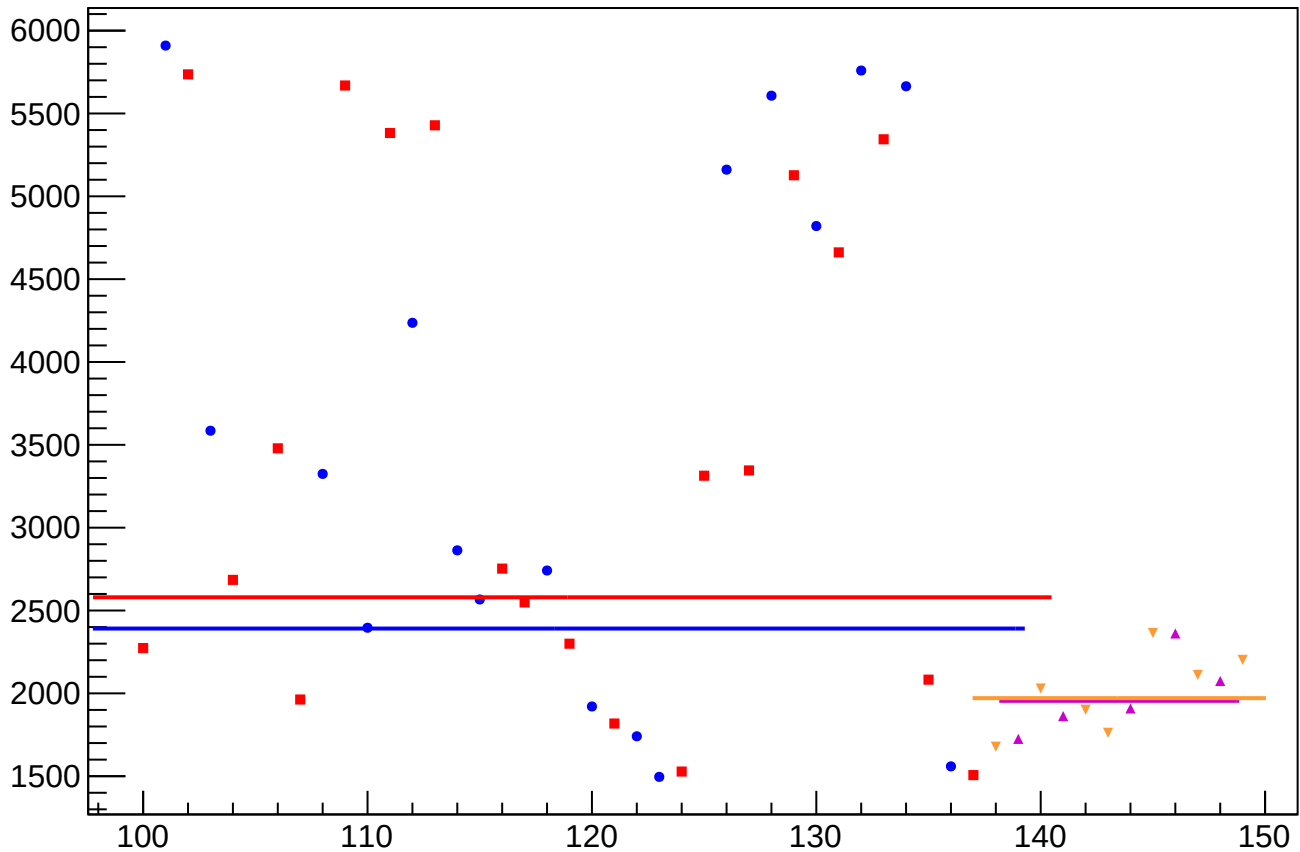
Right Out: 5.689 ± 1.087 χ^2/NDF : 456.0/19

Left In: 18.945 ± 1.004 χ^2/NDF : 19.9/4

3.111 ± 0.694 χ^2/NDF : 531.5/23

12.842 ± 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: 1971.115+/-0.647 χ^2/NDF :123269.2/6

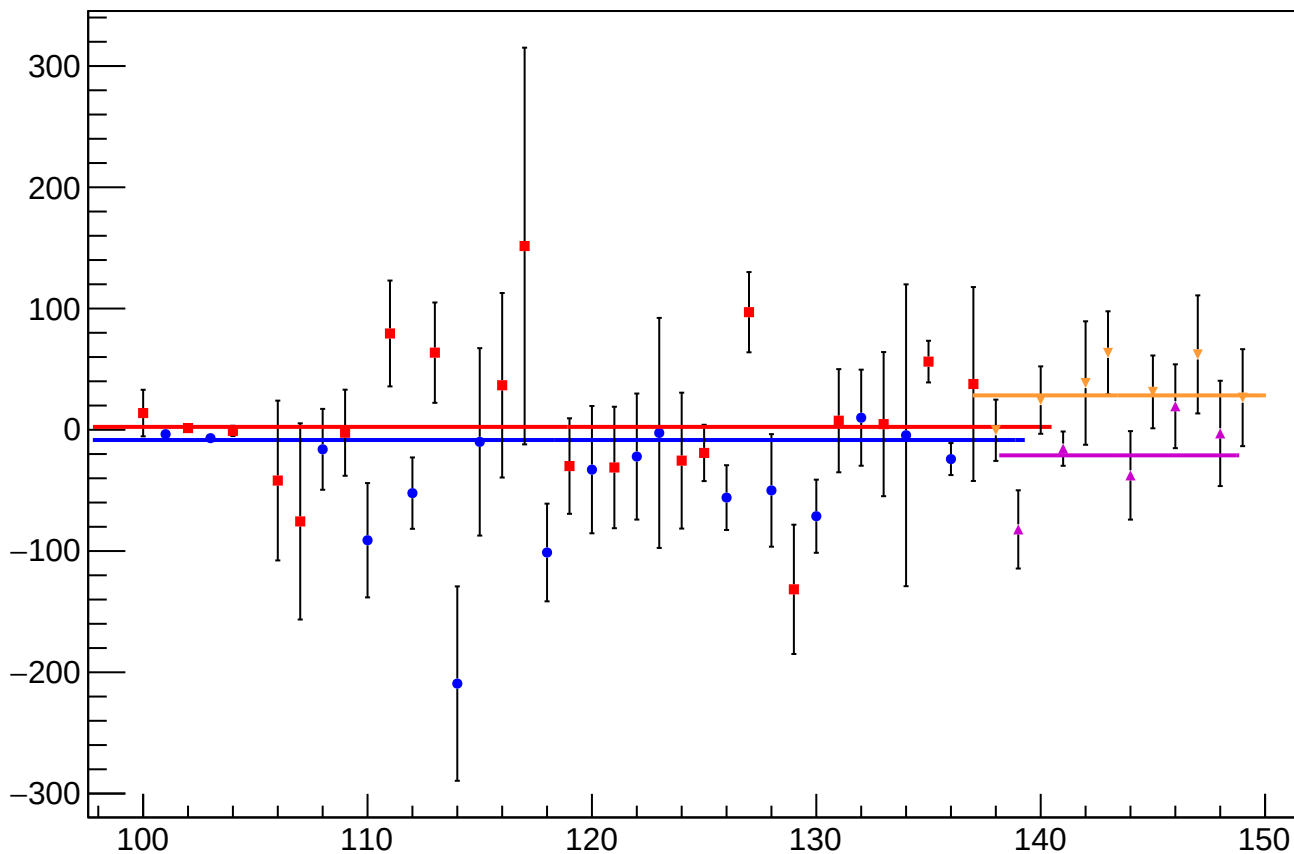
Right Out: 2579.794+/-0.768 χ^2/NDF : 2365284.2/19

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

2149.095+/-0.491 χ^2/NDF : 2902619.0/23

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: 28.373 ± 12.645 $\chi^2/\text{NDF}: 2.9/6$

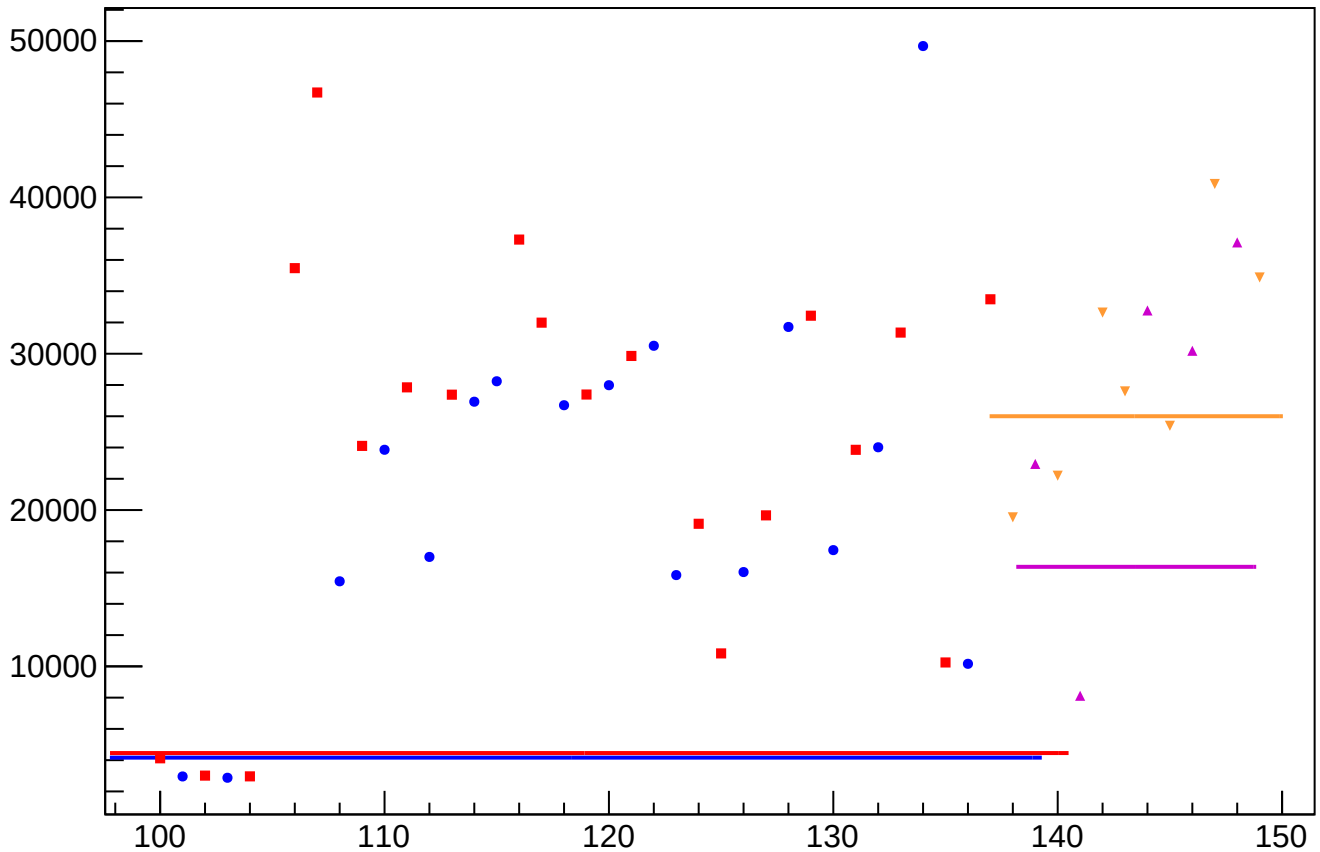
Right Out: 2.392 ± 2.786 $\chi^2/\text{NDF}: 35.5/19$

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

-6.951 ± 2.535 $\chi^2/\text{NDF}: 39.9/23$

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: 26001.681+/-8.941 χ^2/NDF : 492438.7/6

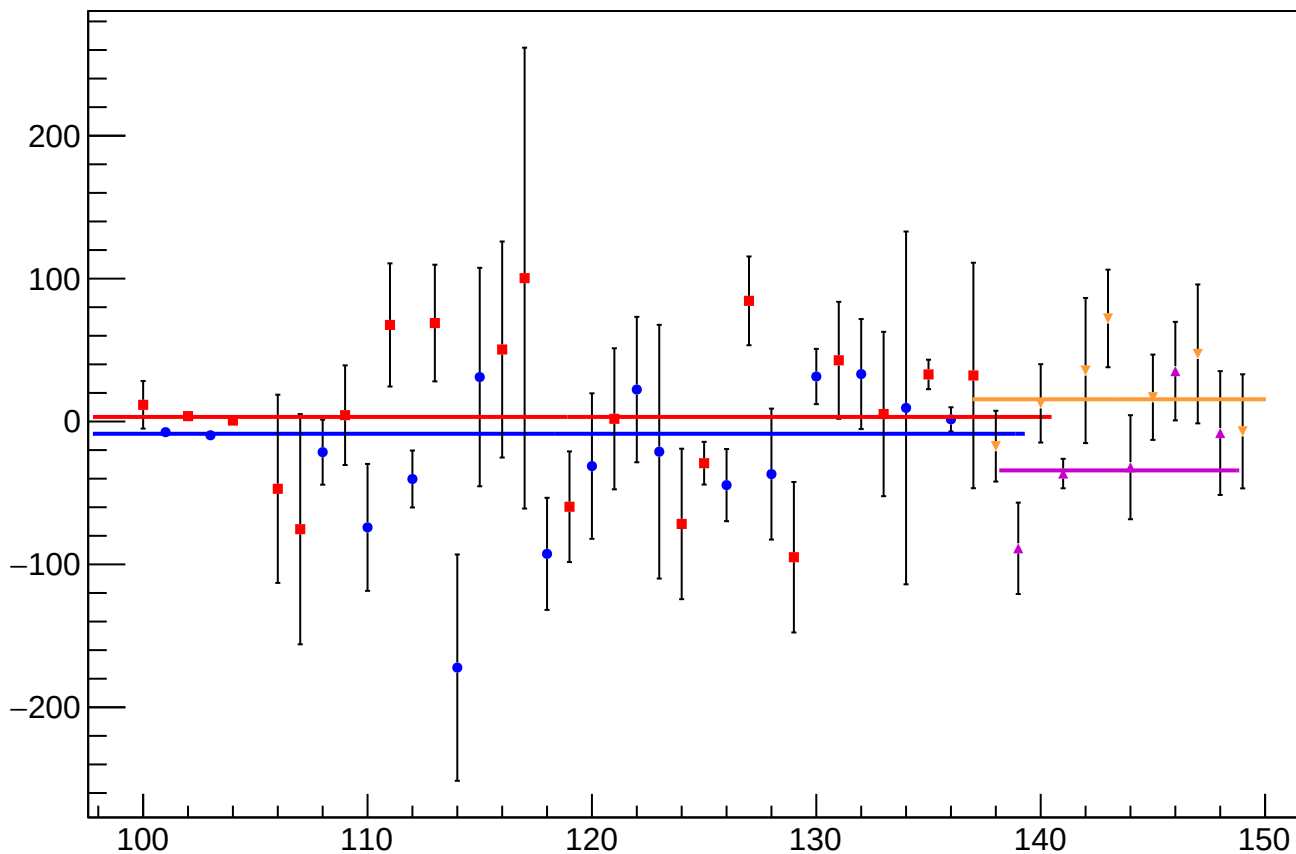
Right Out: 4455.114+/-1.970 χ^2/NDF : 7483602.5/19

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

5040.005+/-1.792 χ^2/NDF : 12208812.3/23

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

diff_bpm0l03Y_mean vs Slug



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

Left Out: 15.553 ± 12.521 $\chi^2/\text{NDF}: 5.4/6$

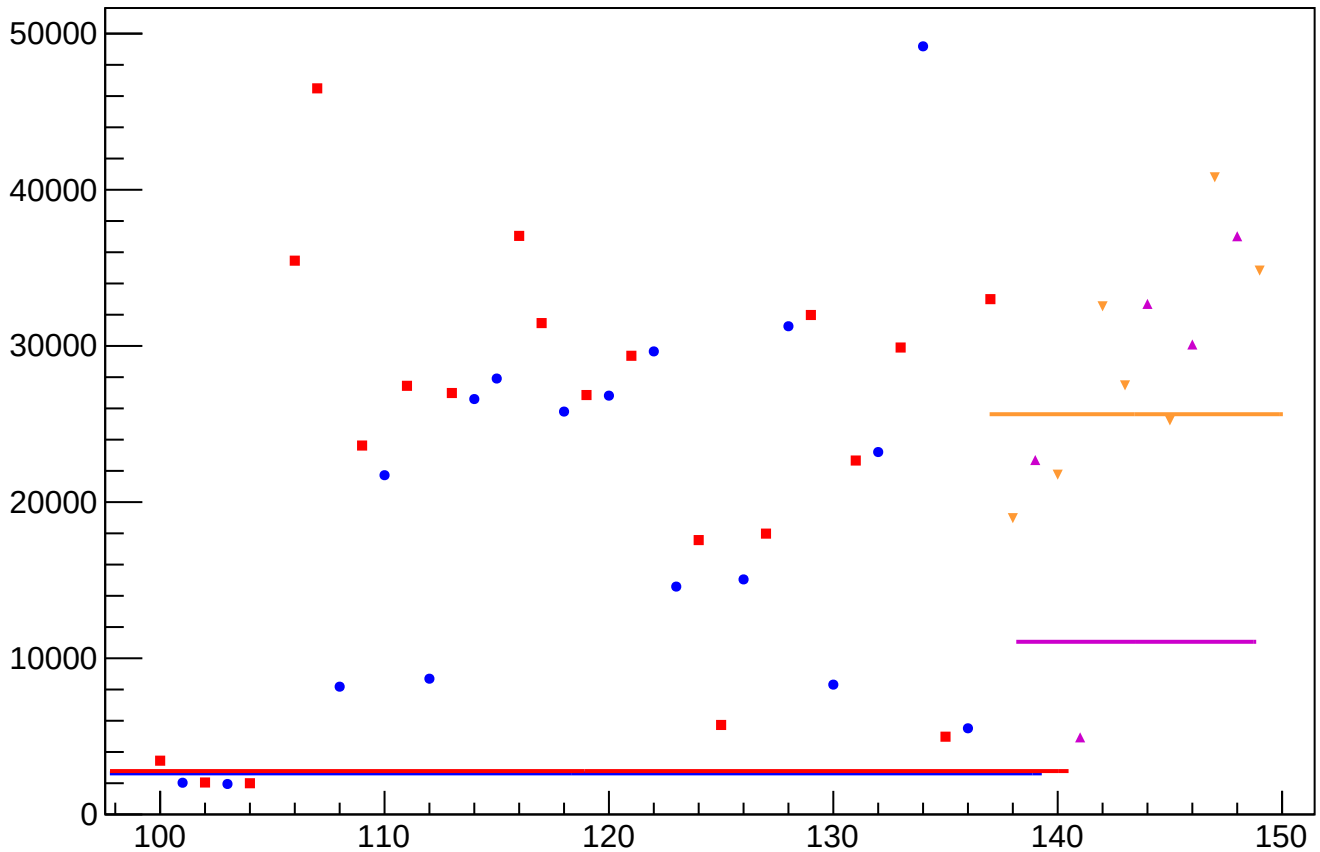
Right Out: 3.208 ± 1.922 $\chi^2/\text{NDF}: 37.2/19$

Left In: -34.221 ± 8.940 $\chi^2/\text{NDF}: 7.4/4$

-8.109 ± 1.760 $\chi^2/\text{NDF}: 33.5/23$

1.554 ± 1.879 $\chi^2/\text{NDF}: 61.4/24$

diff_bpm0l03Y_rms vs Slug



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

Left Out: 25629.052 $\pm$ 8.854 χ^2 /NDF:528420.7/6

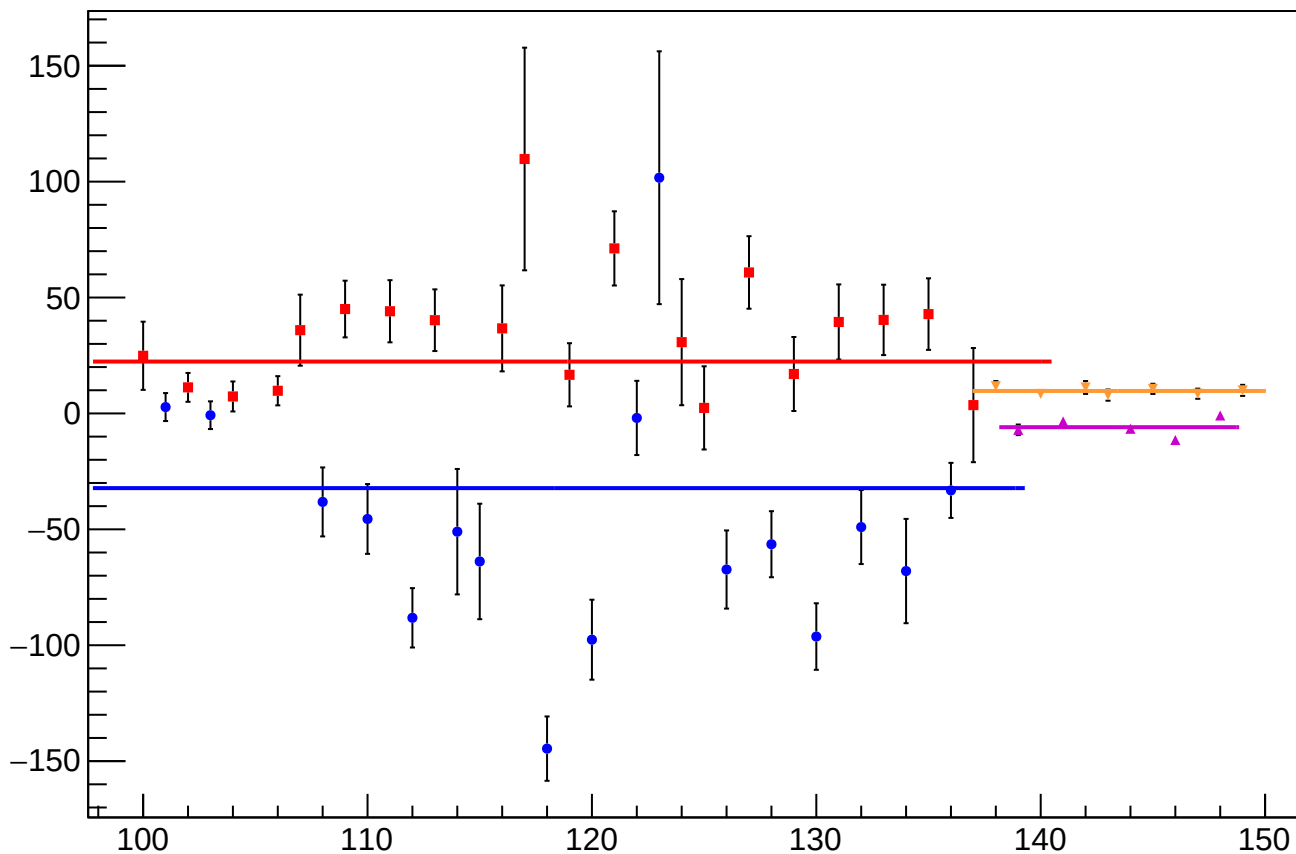
Right Out: 2777.521 $\pm$ 1.359 χ^2 /NDF: 7899165.0/19

Left In: 11056.243 $\pm$ 6.322 χ^2 /NDF:3003912.2/4

3085.023 $\pm$ 1.245 χ^2 /NDF: 12731916.0/23

3143.287 $\pm$ 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: 9.693 ± 0.874 $\chi^2/\text{NDF}: 2.5/6$

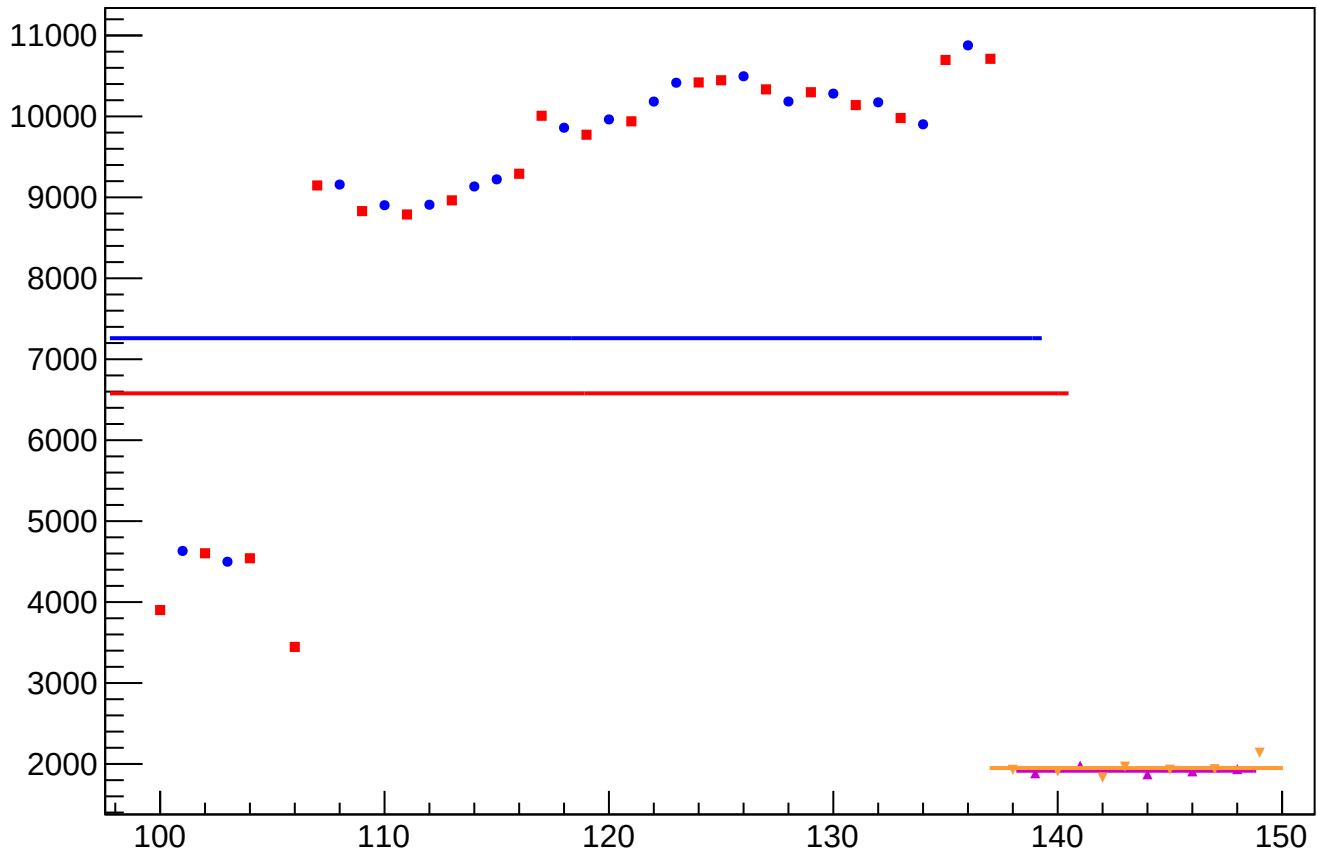
Right Out: 22.381 ± 2.665 $\chi^2/\text{NDF}: 47.0/19$

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

6.373 ± 0.839 $\chi^2/\text{NDF}: 388.2/23$

-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: 1949.659+/-0.618 χ^2/NDF : 17554.0/6

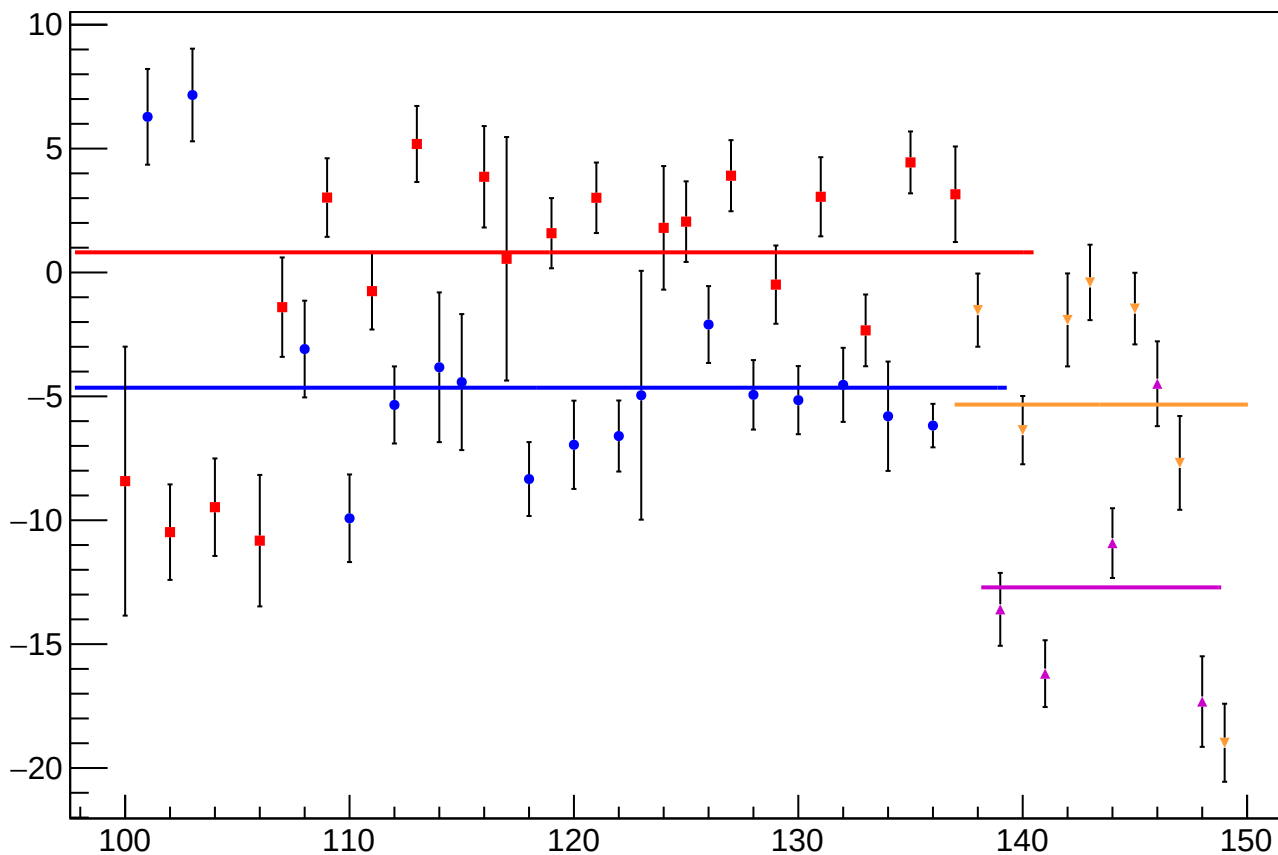
2370.309+/-0.593 χ^2/NDF : 7496546.5/23

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: -5.331 ± 0.591 $\chi^2/\text{NDF}: 104.8/6$

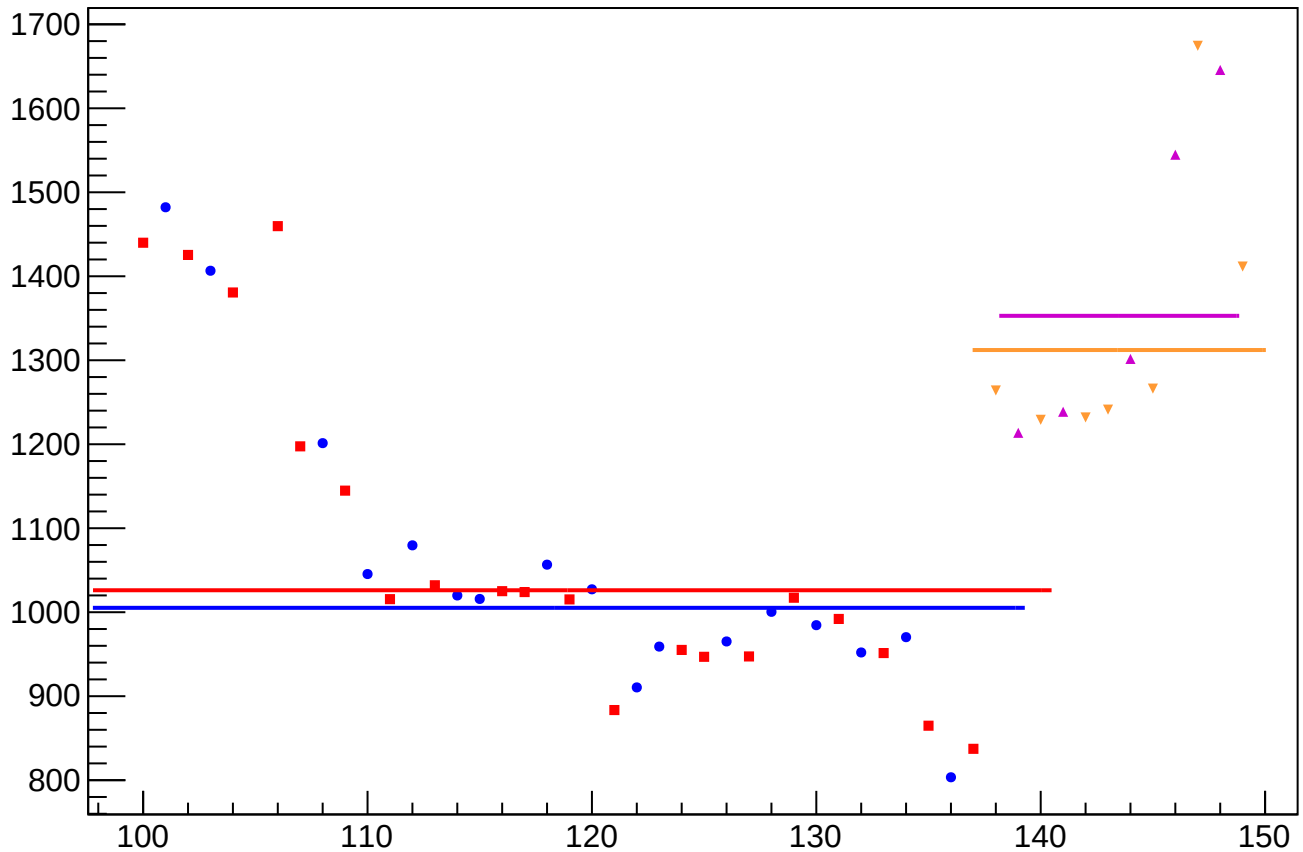
Right Out: 0.813 ± 0.387 $\chi^2/\text{NDF}: 123.7/19$

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

-4.859 ± 0.327 $\chi^2/\text{NDF}: 203.3/23$

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

diff_bpm0l04Y_rms vs Slug



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

Left Out: 1312.182+/-0.418 χ^2/NDF : 100674.4/6

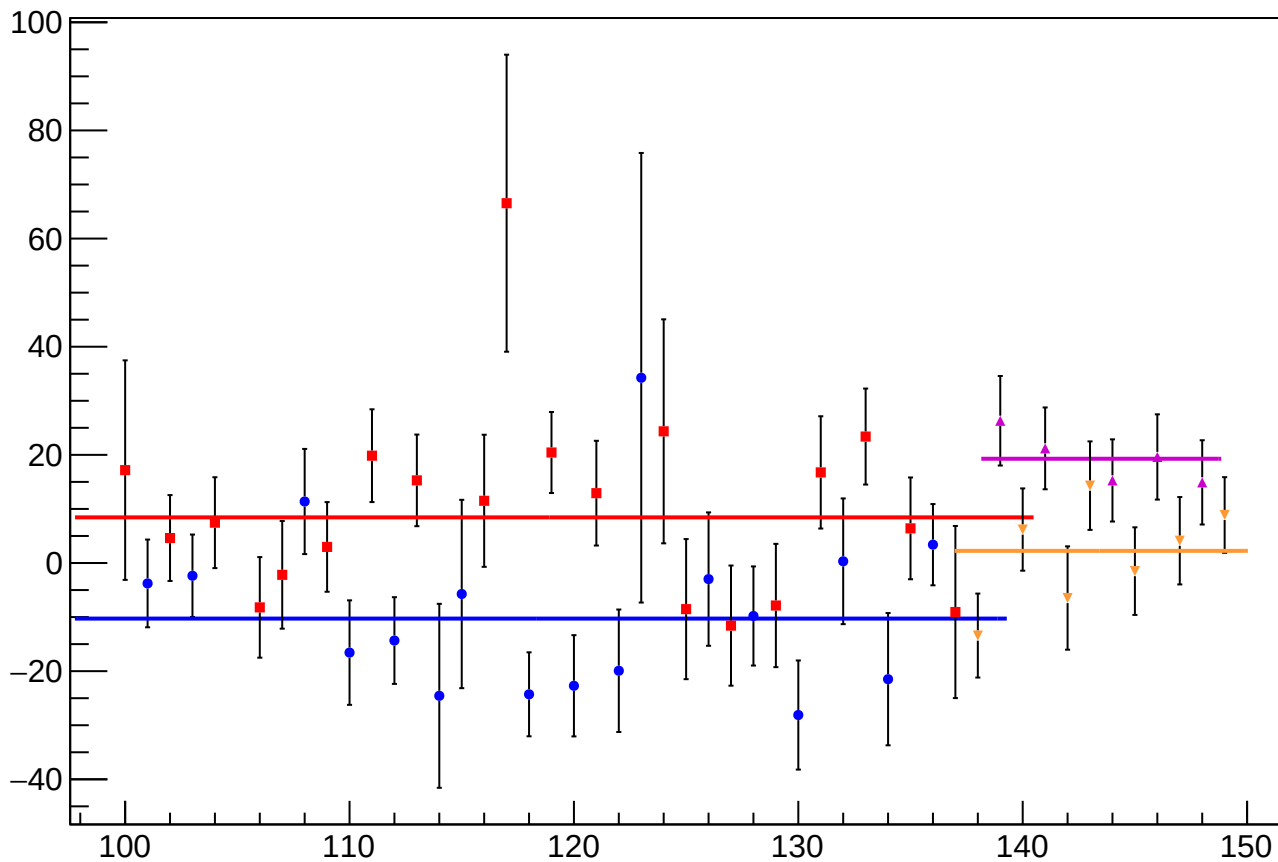
Right Out: 1026.145+/-0.274 χ^2/NDF : 333119.4/19

Left In: 1352.908+/-0.481 χ^2/NDF : 111349.8/4

1099.180+/-0.231 χ^2/NDF : 836787.7/23

1106.022+/-0.238 χ^2/NDF : 792491.6/24

diff_bpm0l05X_mean vs Slug



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

Left Out: 2.249 ± 3.005 χ^2/NDF : 8.5/6

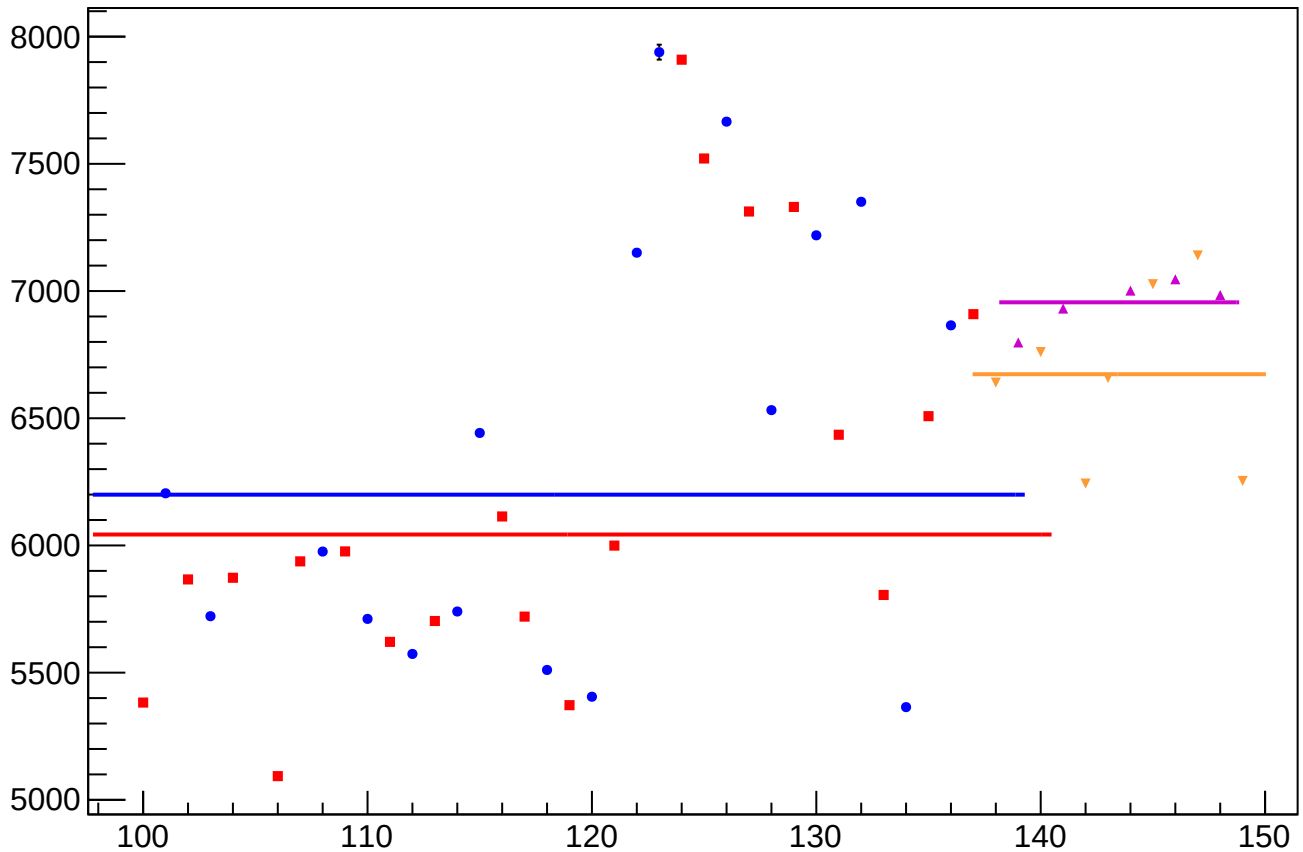
Right Out: 8.441 ± 2.271 χ^2/NDF : 27.3/19

Left In: 19.281 ± 3.494 χ^2/NDF : 1.4/4

-5.379 ± 1.879 χ^2/NDF : 42.6/23

11.660 ± 1.904 χ^2/NDF : 35.4/24

diff_bpm0l05X_rms vs Slug



Right In: 6199.617 ± 1.703 χ^2/NDF : 171760.4/16

Left Out: 6673.034 ± 2.125 χ^2/NDF : 22045.7/6

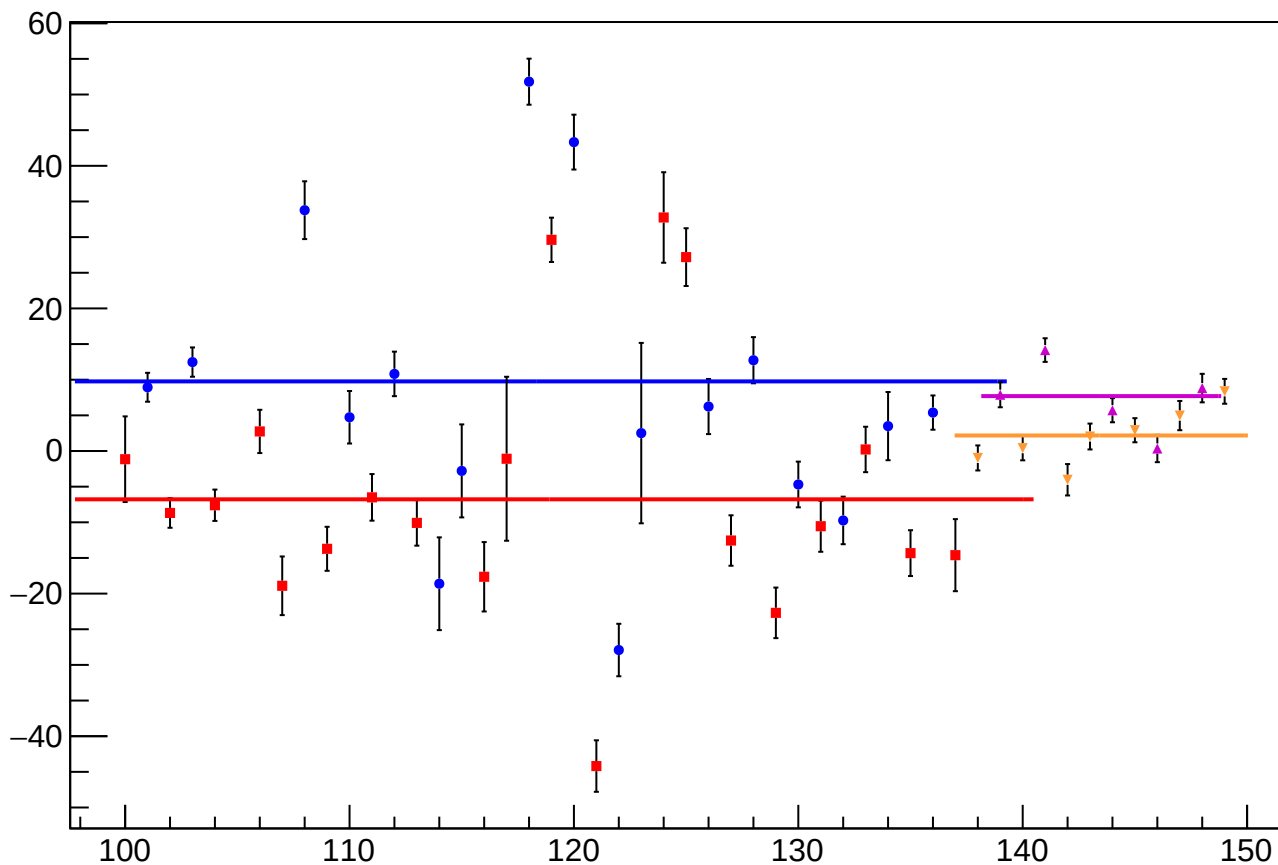
Right Out: 6042.952 ± 1.606 χ^2/NDF : 158600.9/19

Left In: 6955.682 ± 2.470 χ^2/NDF : 1113.1/4

6384.735 ± 1.329 χ^2/NDF : 224038.7/23

6314.009 ± 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: 2.180 ± 0.691 χ^2/NDF : 27.0/6

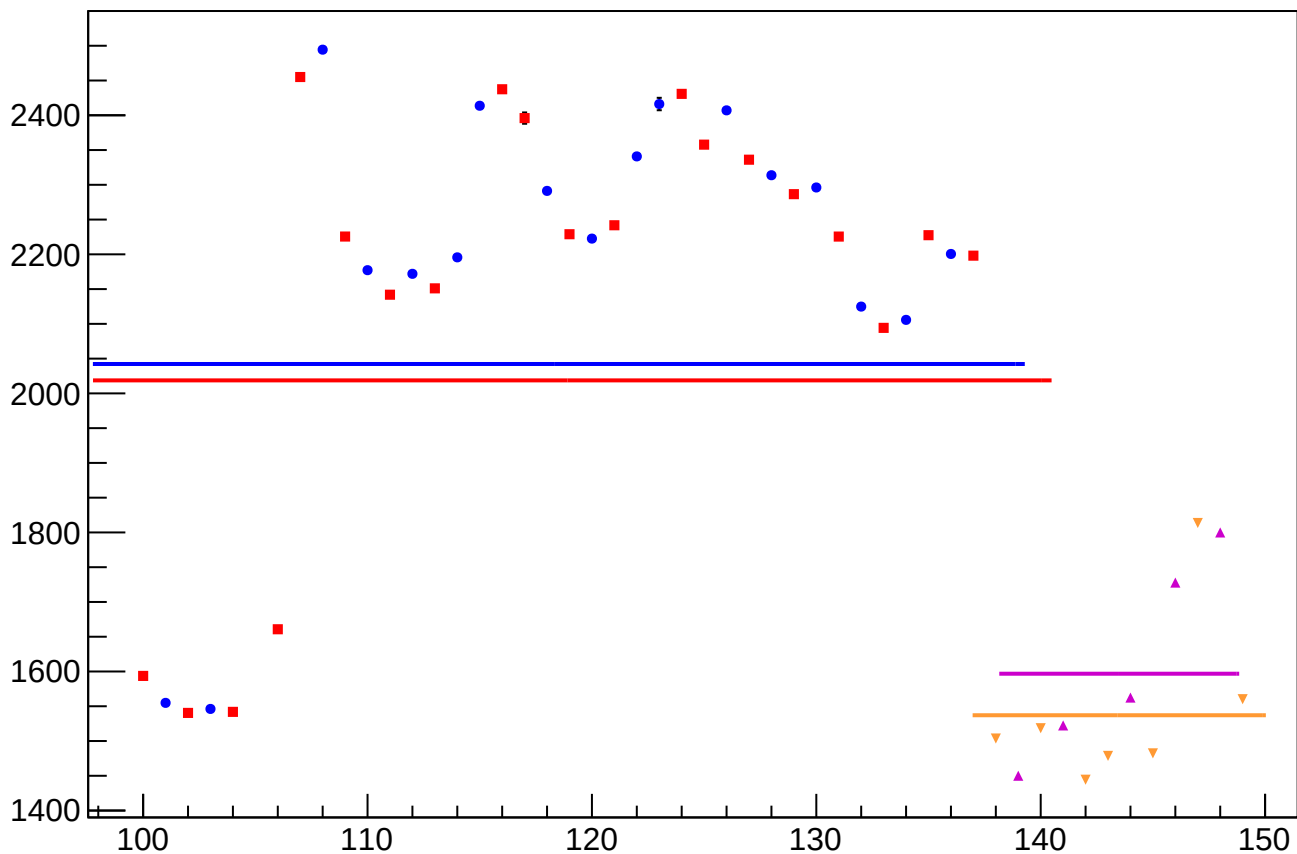
Right Out: -6.776 ± 0.763 χ^2/NDF : 422.1/19

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

5.434 ± 0.522 χ^2/NDF : 552.5/23

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: 1537.071 ± 0.488 χ^2/NDF : 45419.5/6

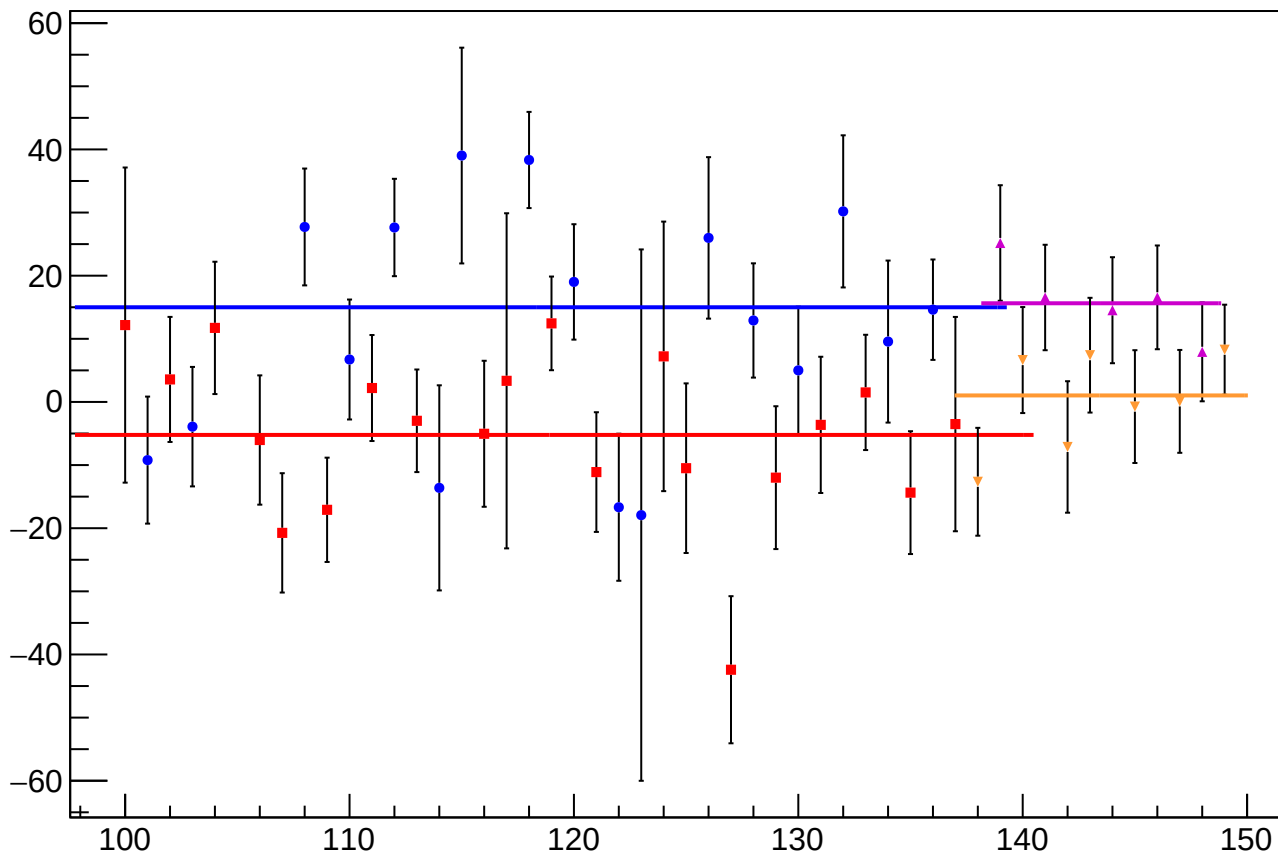
Right Out: 2018.694 ± 0.540 χ^2/NDF : 377792.4/19

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

1753.807 ± 0.369 χ^2/NDF : 861260.9/23

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

diff_bpm0l06X_mean vs Slug



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

Left Out: 1.031 $\pm$ 3.220 χ^2/NDF : 5.2/6

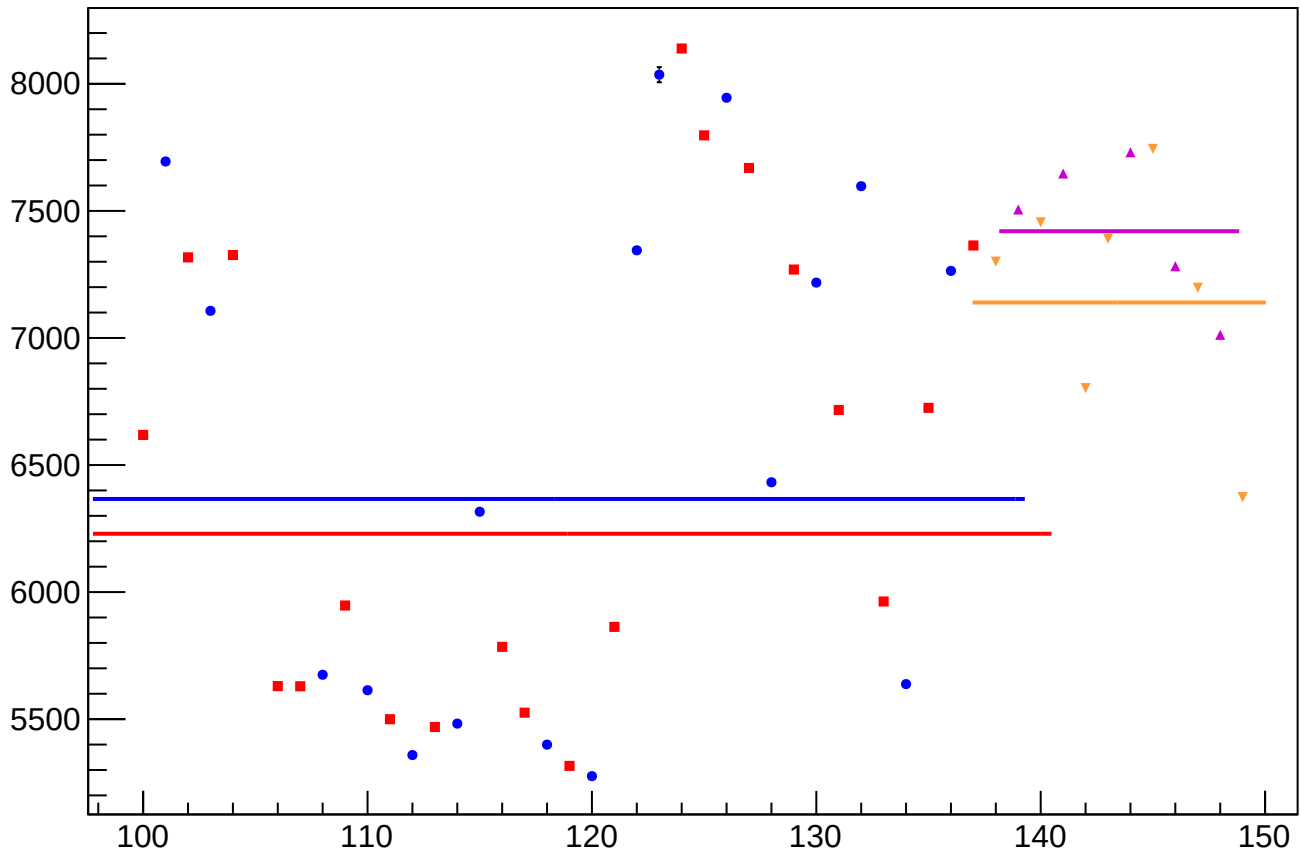
Right Out: -5.223 $\pm$ 2.348 χ^2/NDF : 28.2/19

Left In: 15.630 $\pm$ 3.738 χ^2/NDF : 2.1/4

9.782 $\pm$ 1.967 χ^2/NDF : 58.3/23

0.678 $\pm$ 1.988 χ^2/NDF : 52.6/24

diff_bpm0l06X_rms vs Slug



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

Left Out: 7139.702+/-2.277 χ^2/NDF : 39461.4/6

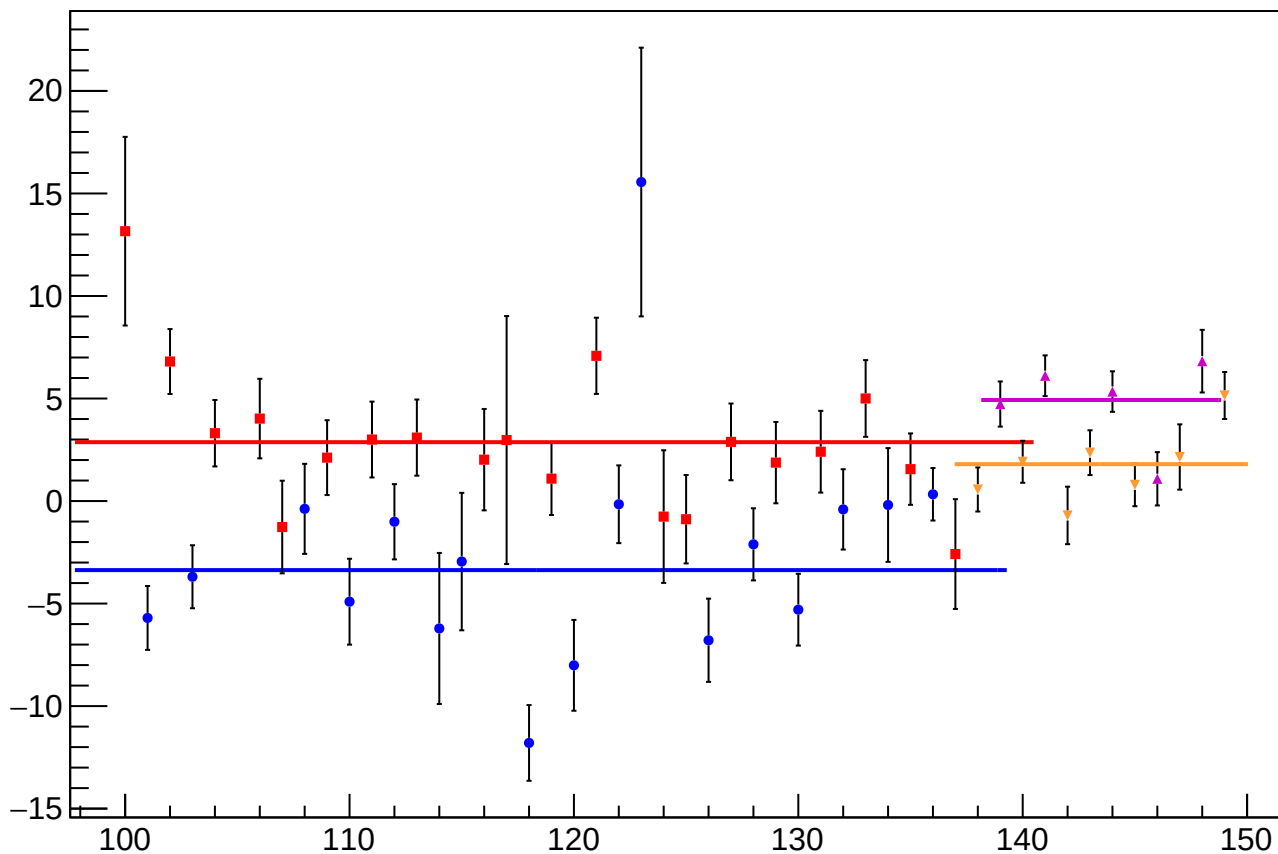
Right Out: 6229.625+/-1.660 χ^2/NDF : 244622.7/19

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

6655.197+/-1.391 χ^2/NDF : 398236.6/23

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: 1.798 ± 0.437 χ^2/NDF : 14.3/6

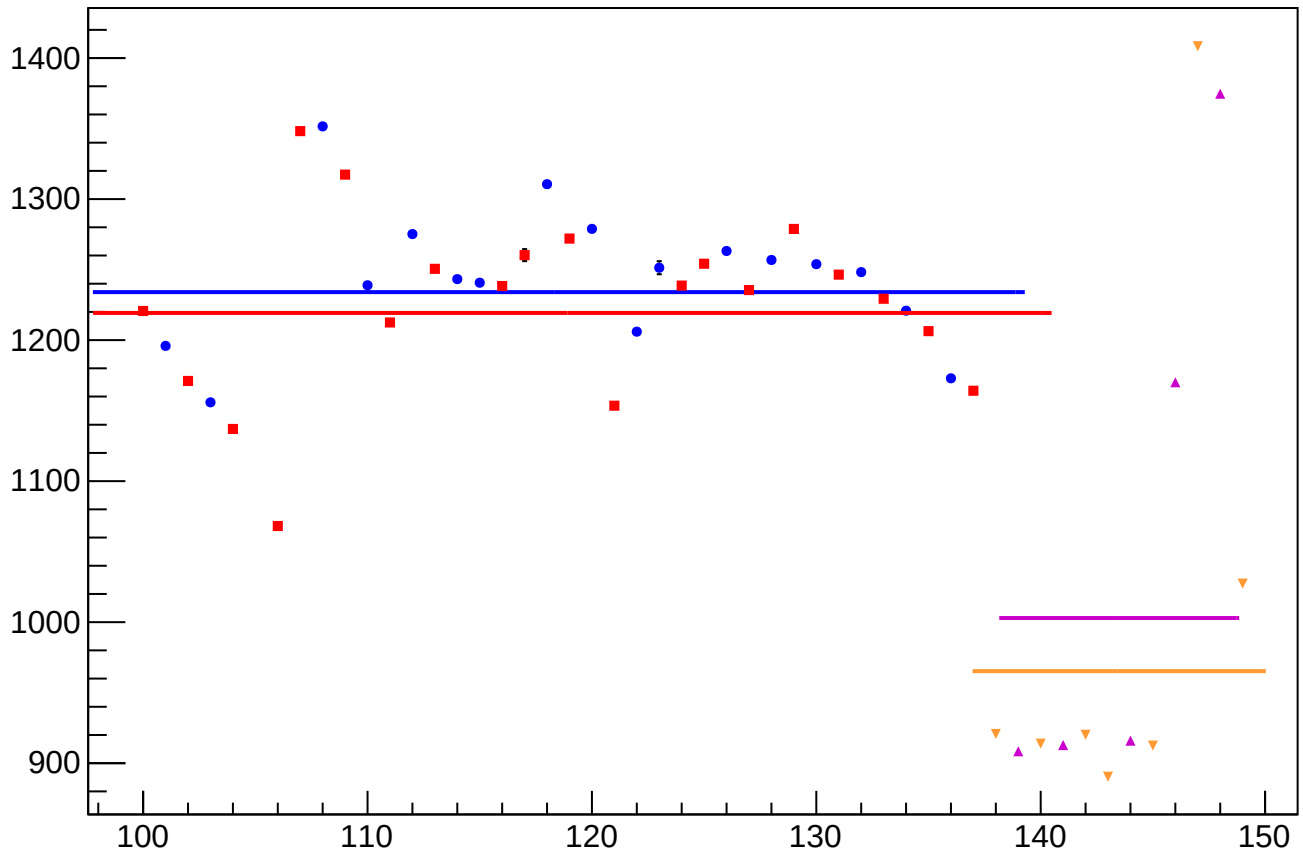
Right Out: 2.871 ± 0.455 χ^2/NDF : 32.0/19

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

-0.566 ± 0.322 χ^2/NDF : 138.2/23

3.787 ± 0.339 χ^2/NDF : 53.0/24

diff_bpm0l06Y_rms vs Slug



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

Left Out: 965.269 $\pm$ 0.309 χ^2 /NDF:185915.7/6

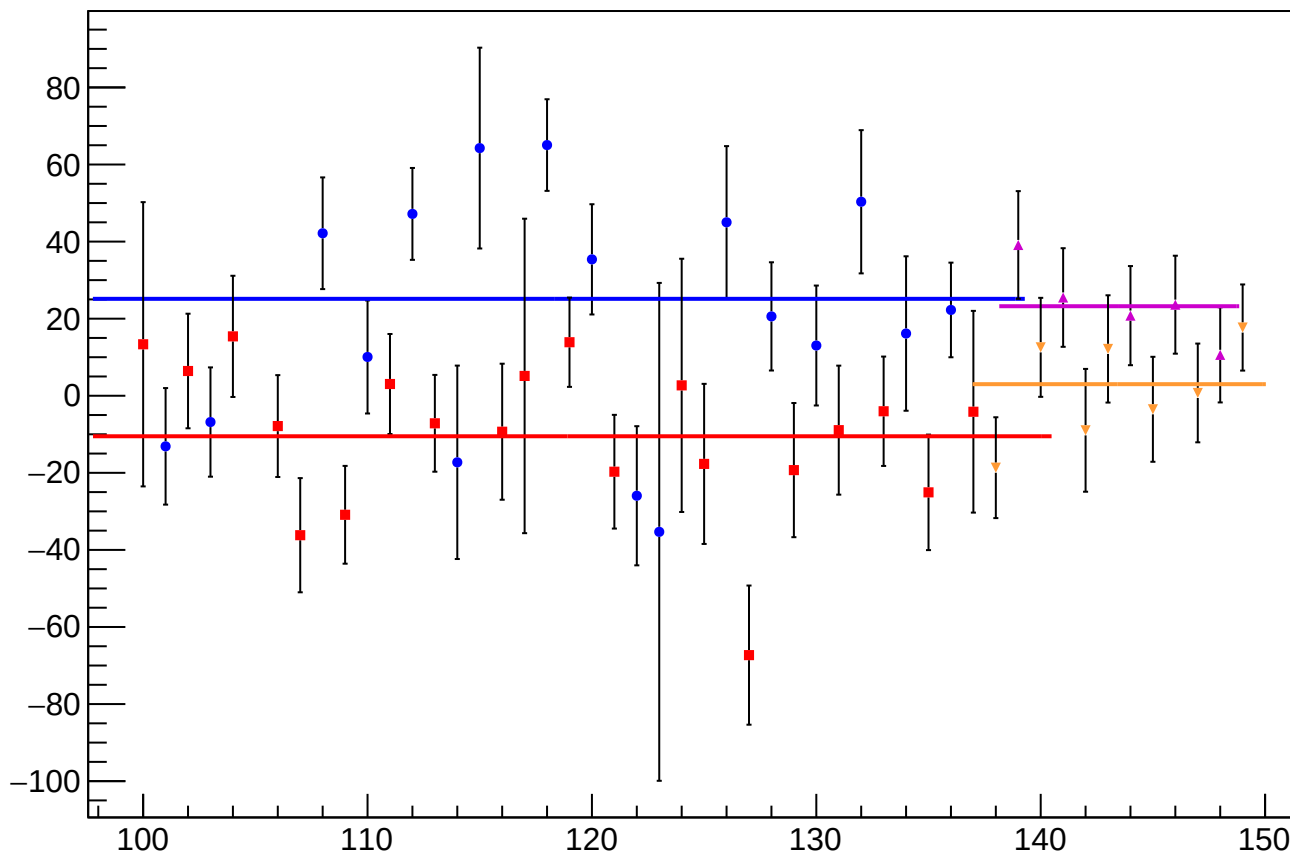
Right Out: 1219.275 $\pm$ 0.322 χ^2 /NDF: 40462.8/19

Left In: 1002.944 $\pm$ 0.359 χ^2 /NDF:198181.3/4

1088.214 $\pm$ 0.227 χ^2 /NDF: 556108.1/23

1122.873 $\pm$ 0.240 χ^2 /NDF: 440018.2/24

diff_bpm0l07X_mean vs Slug



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

Left Out: 3.005 $\pm$ 4.969 χ^2 /NDF: 6.3/6

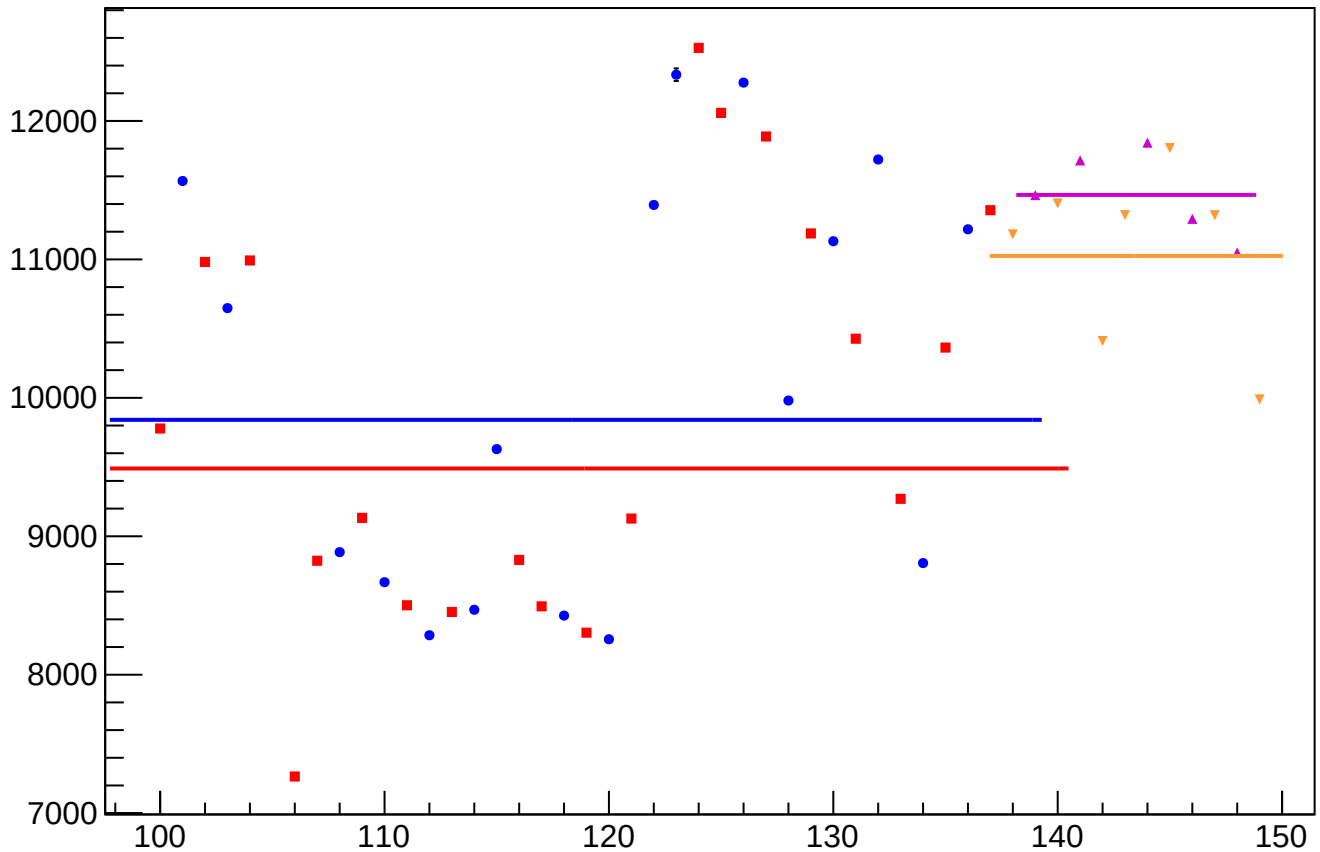
Right Out: -10.513 $\pm$ 3.581 χ^2 /NDF: 27.8/19

Left In: 23.232 $\pm$ 5.771 χ^2 /NDF: 2.4/4

16.877 $\pm$ 3.037 χ^2 /NDF: 65.7/23

-1.132 $\pm$ 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: 11025.054+/-3.514 χ^2/NDF : 30704.9/6

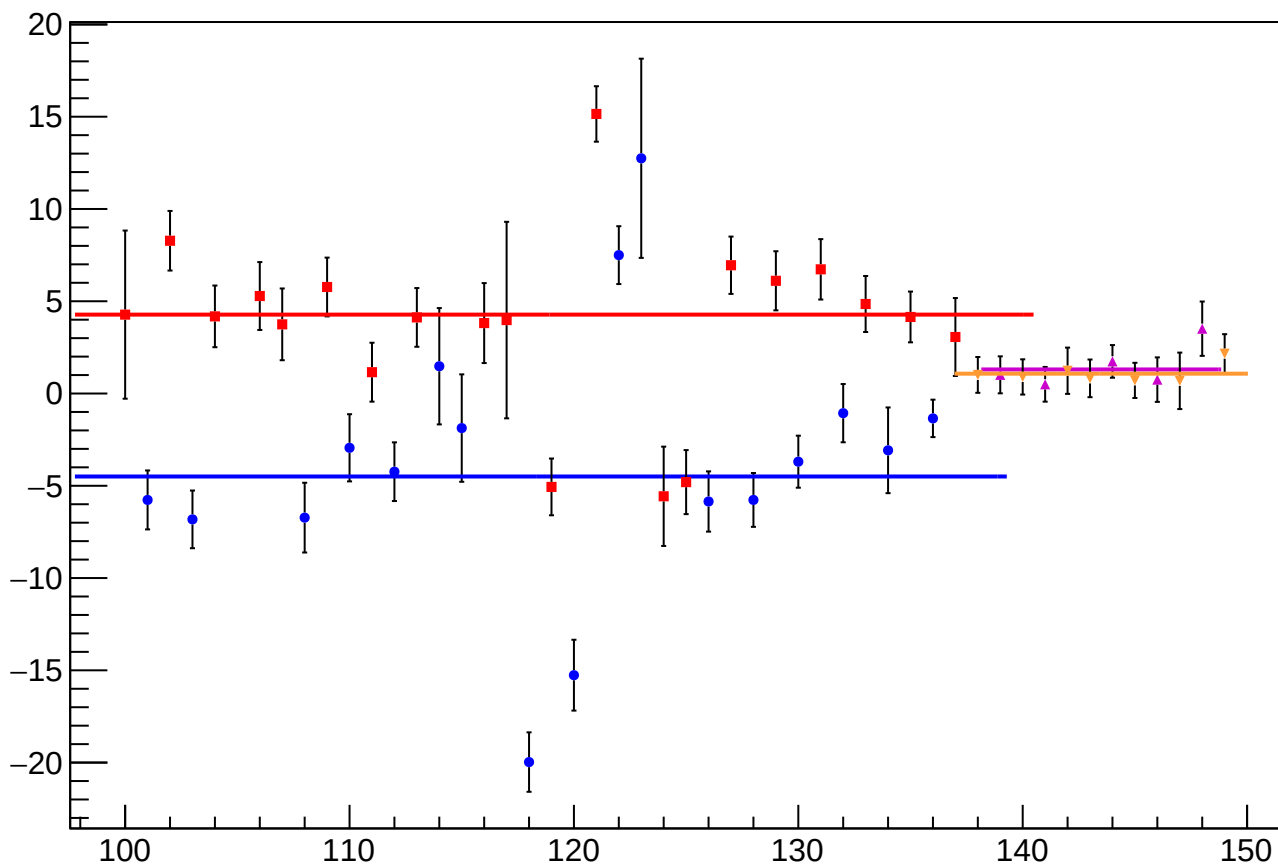
Right Out: 9489.753+/-2.532 χ^2/NDF : 277900.5/19

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

10283.406+/-2.148 χ^2/NDF : 361875.4/23

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: 1.075 ± 0.402 χ^2/NDF : 1.4/6

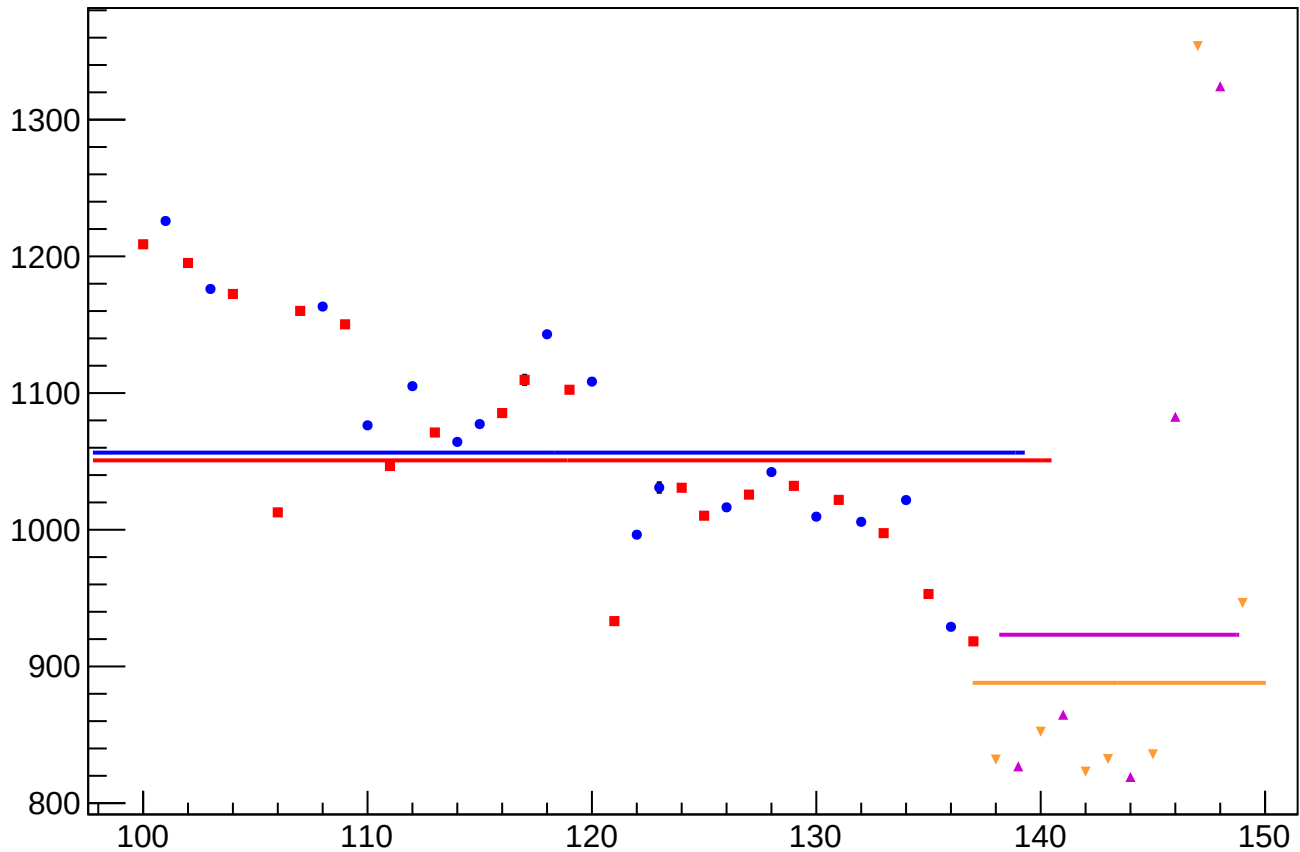
Right Out: 4.275 ± 0.393 χ^2/NDF : 148.2/19

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

-1.670 ± 0.287 χ^2/NDF : 314.3/23

3.049 ± 0.301 χ^2/NDF : 175.4/24

diff_bpm0l07Y_rms vs Slug



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

Left Out: 888.014+/-0.284 χ^2/NDF : 218299.5/6

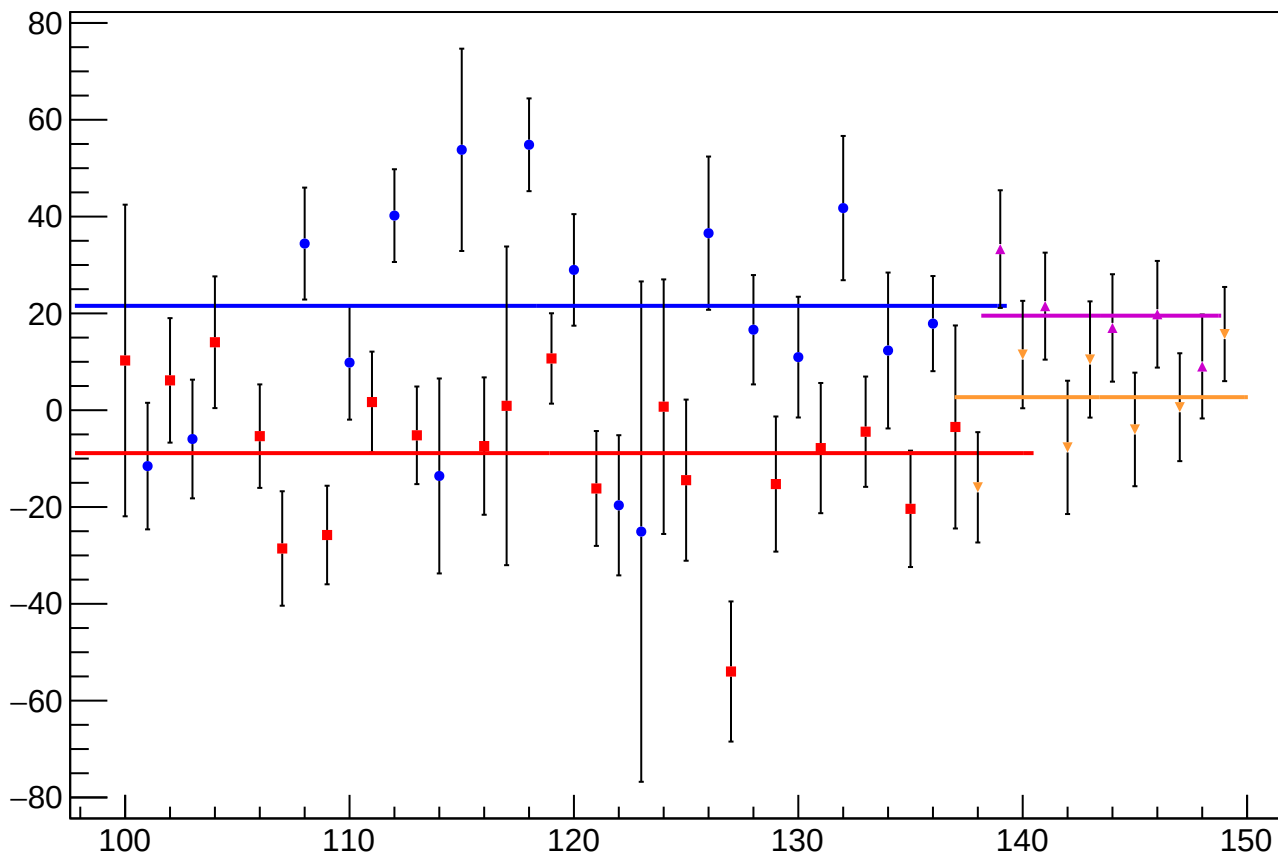
Right Out: 1050.765+/-0.278 χ^2/NDF : 82642.2/19

Left In: 923.192+/-0.331 χ^2/NDF : 237471.8/4

970.997+/-0.203 χ^2/NDF : 481819.3/23

998.120+/-0.213 χ^2/NDF : 407158.3/24

diff_bpm0l08X_mean vs Slug



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

Left Out: 2.695+/-4.307 χ^2 /NDF: 6.4/6

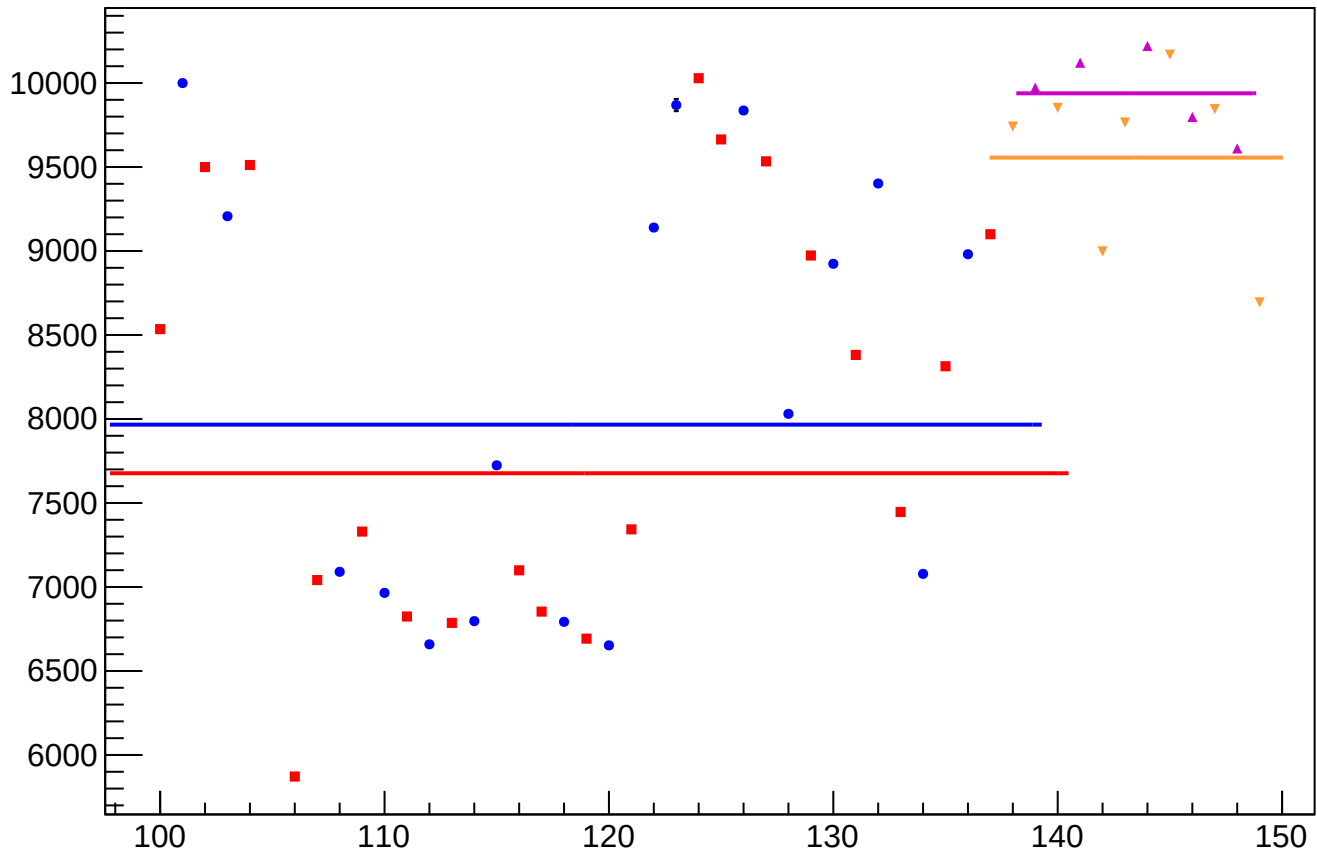
Right Out: -8.867+/-2.901 χ^2 /NDF: 27.5/19

Left In: 19.530+/-5.001 χ^2 /NDF: 2.3/4

15.094+/-2.521 χ^2 /NDF: 67.4/23

-1.719+/-2.509 χ^2 /NDF: 54.0/24

diff_bpm0l08X_rms vs Slug



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

Left Out: 9556.020+/-3.045 χ^2/NDF : 28332.9/6

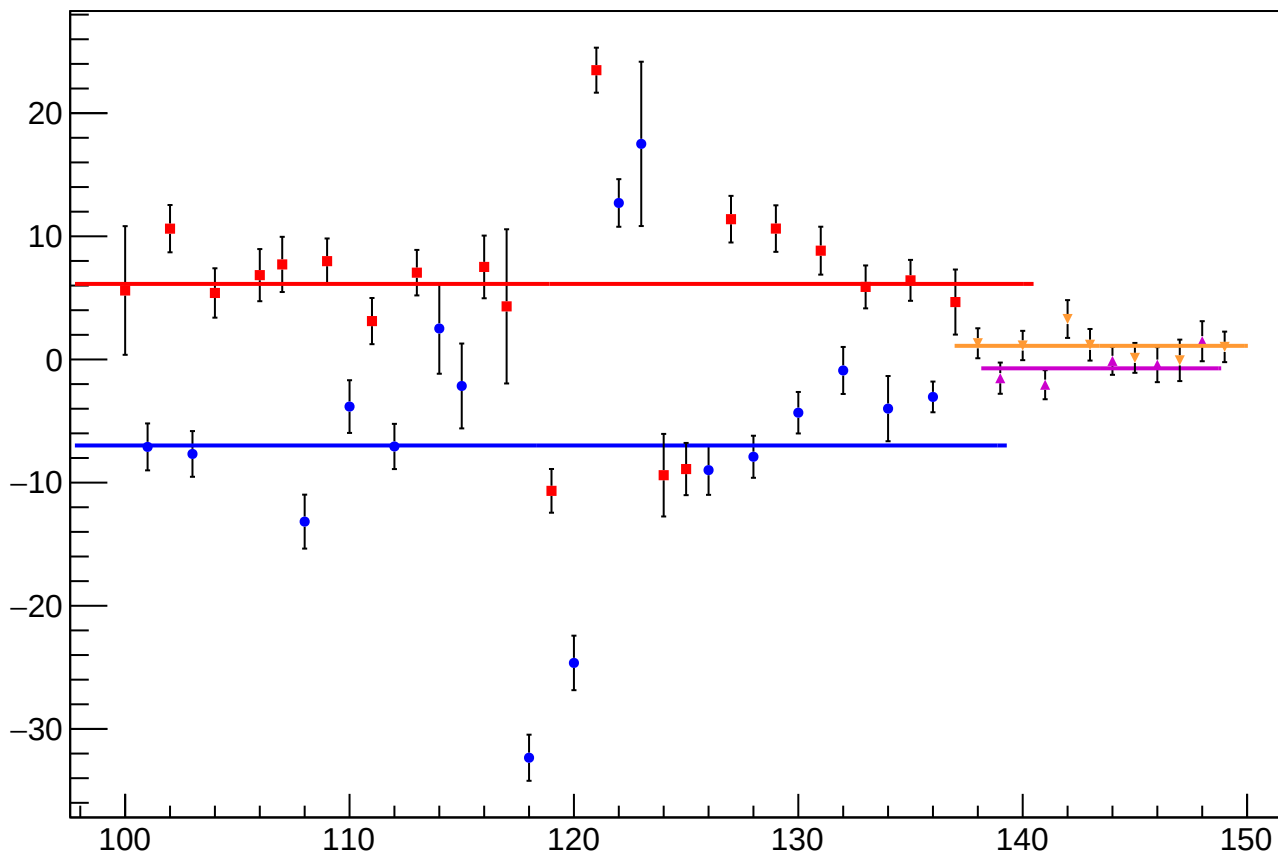
Right Out: 7677.035+/-2.051 χ^2/NDF : 316295.2/19

Left In: 9938.793+/-3.536 χ^2/NDF : 4042.2/4

8511.328+/-1.783 χ^2/NDF : 504020.3/23

8246.366+/-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: 1.107 ± 0.494 χ^2/NDF : 3.2/6

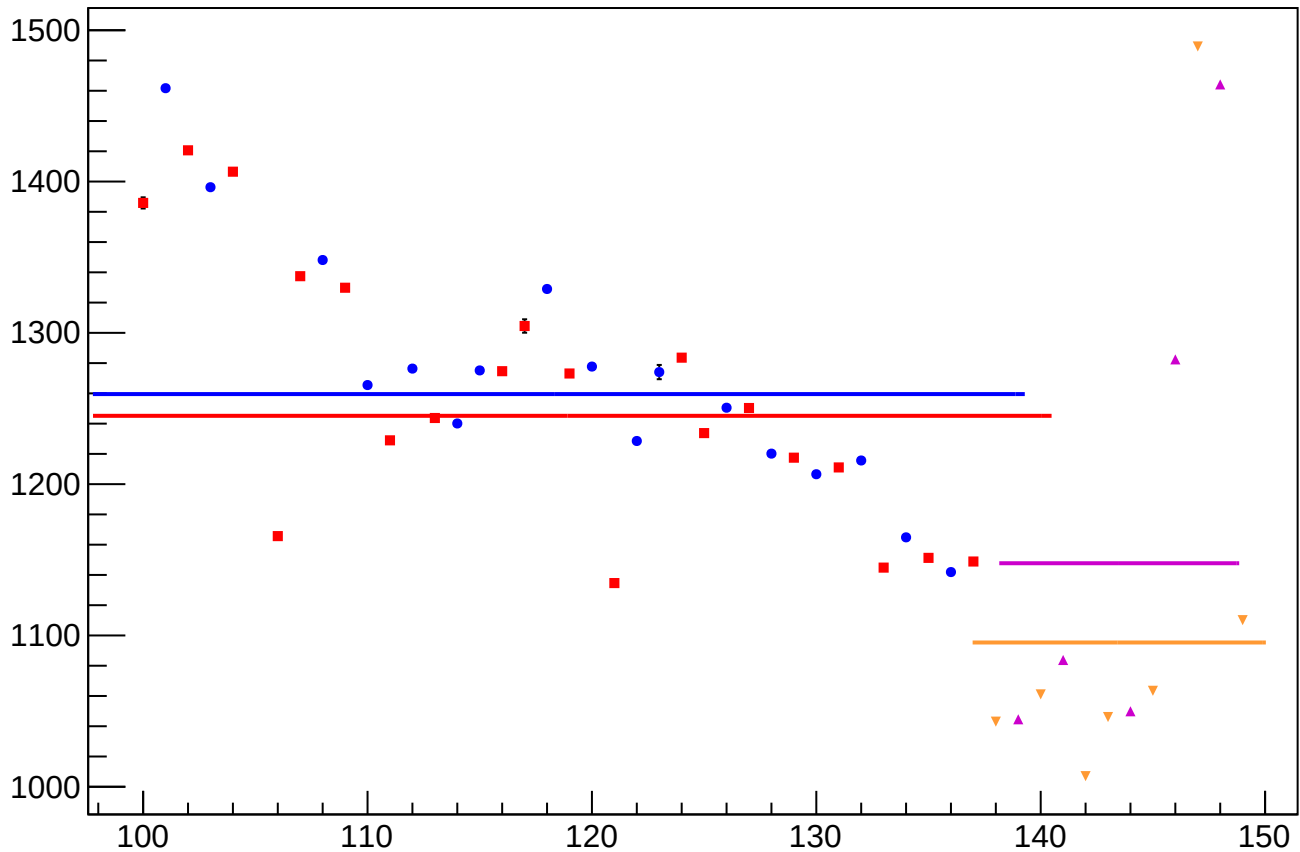
Right Out: 6.135 ± 0.465 χ^2/NDF : 277.6/19

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

-3.003 ± 0.347 χ^2/NDF : 548.0/23

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: 1095.354+/-0.349 χ^2/NDF : 126185.1/6

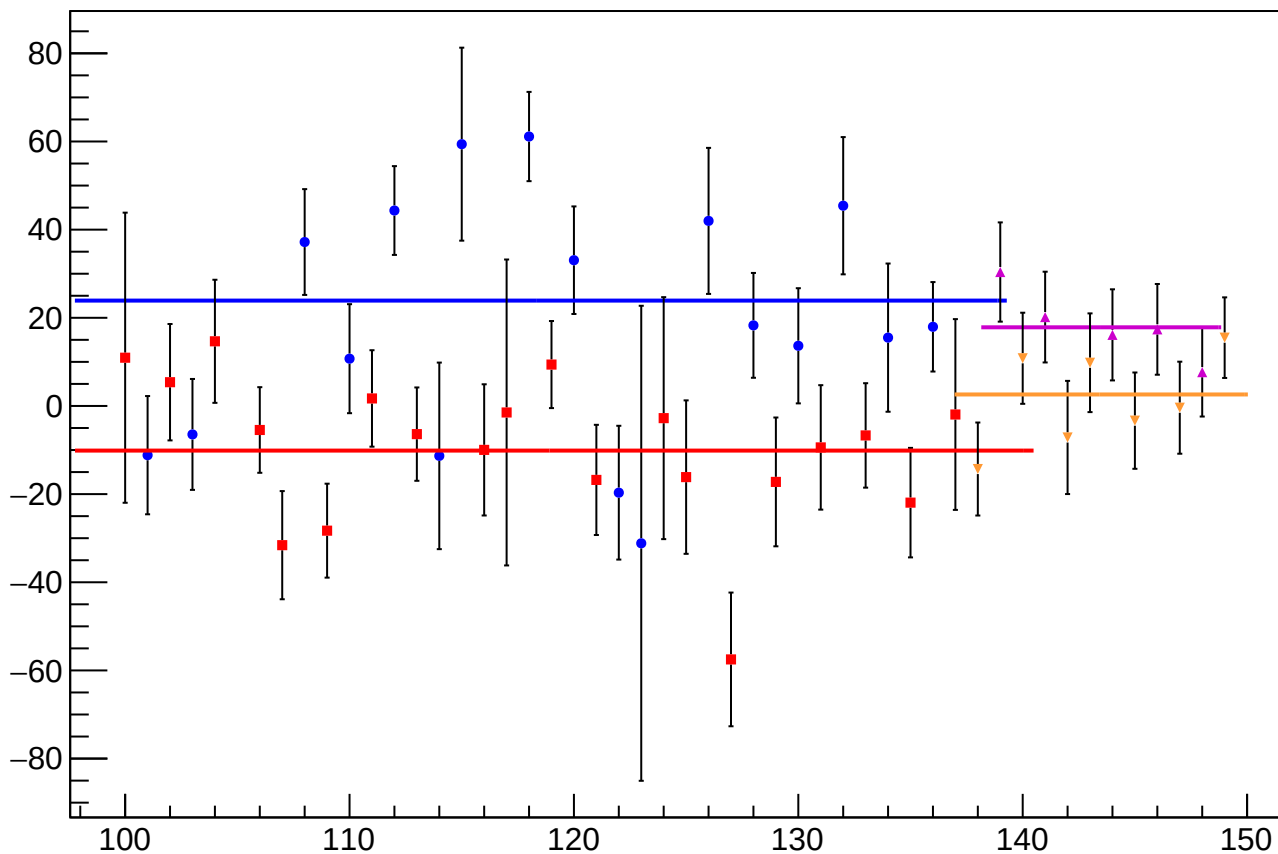
Right Out: 1245.167+/-0.329 χ^2/NDF : 67006.8/19

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

1178.747+/-0.245 χ^2/NDF : 303249.7/23

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

diff_bpm0l09X_mean vs Slug



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

Left Out: 2.607+/-4.019 χ^2 /NDF: 6.6/6

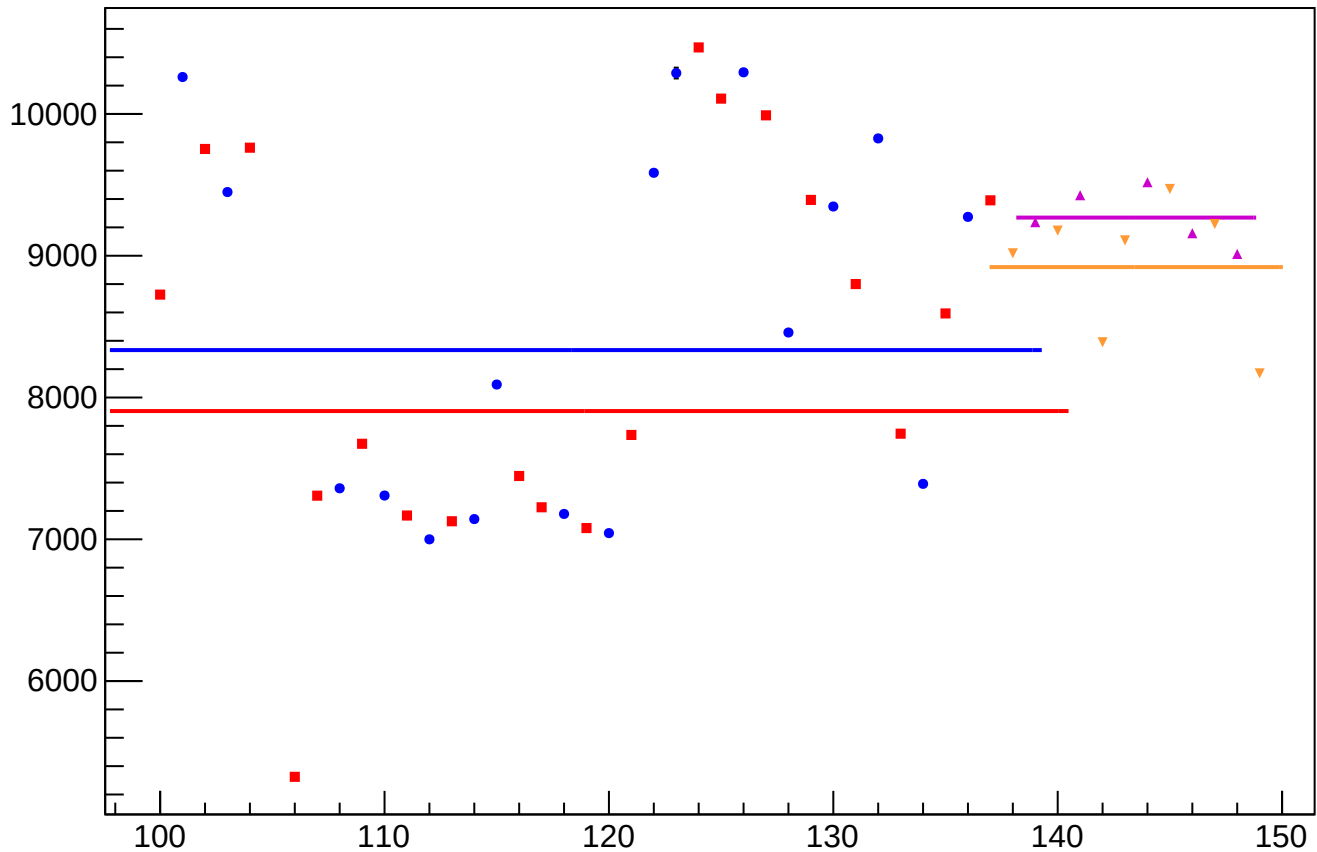
Right Out: -10.125+/-2.994 χ^2 /NDF: 28.0/19

Left In: 17.843+/-4.663 χ^2 /NDF: 2.3/4

15.482+/-2.527 χ^2 /NDF: 76.0/23

-1.959+/-2.520 χ^2 /NDF: 55.8/24

diff_bpm0l09X_rms vs Slug



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

Left Out: 8919.982 $\pm$ 2.842 χ^2 /NDF:25617.5/6

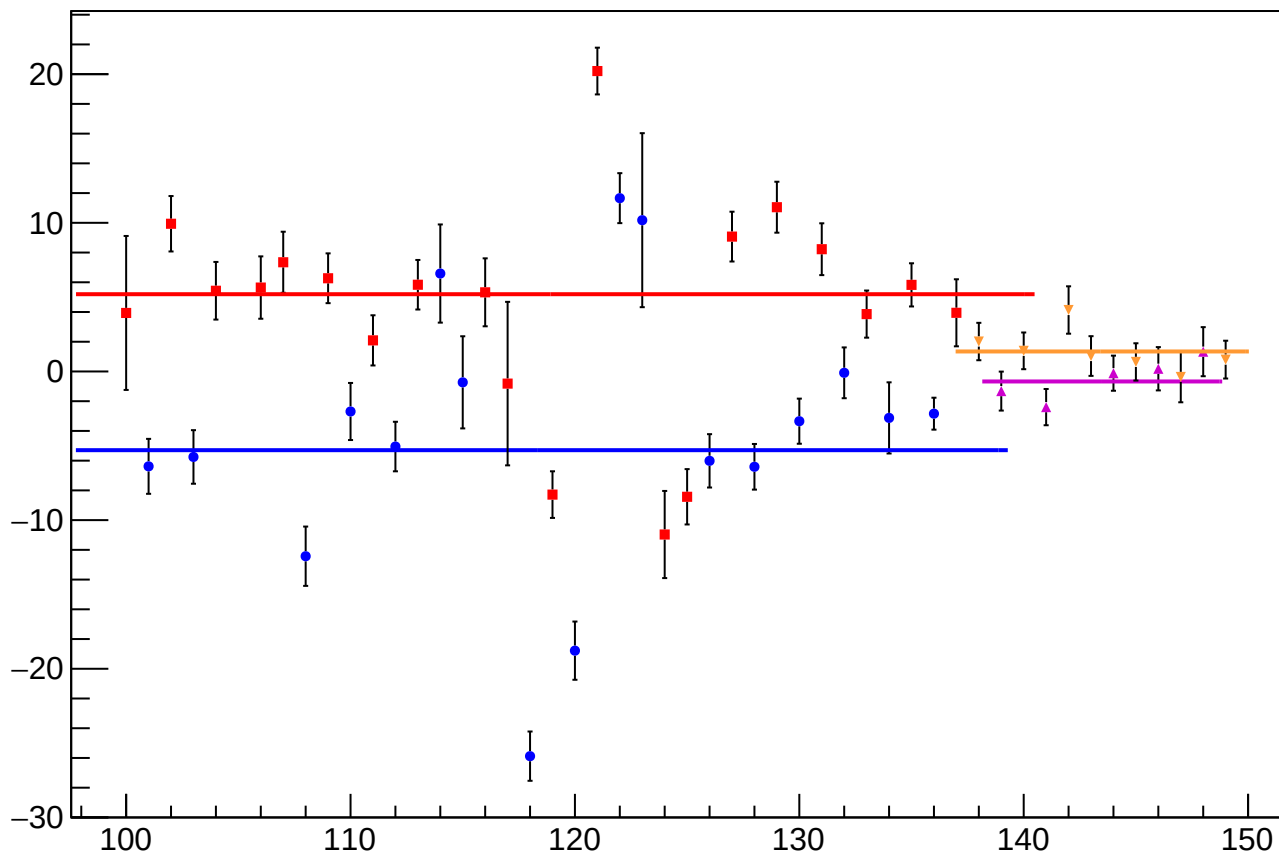
Right Out: 7904.529 $\pm$ 2.117 χ^2 /NDF: 391589.9/19

Left In: 9269.073 $\pm$ 3.297 χ^2 /NDF:3179.6/4

8566.039 $\pm$ 1.787 χ^2 /NDF: 323578.4/23

8302.954 $\pm$ 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: 1.345 ± 0.510 χ^2/NDF : 4.9/6

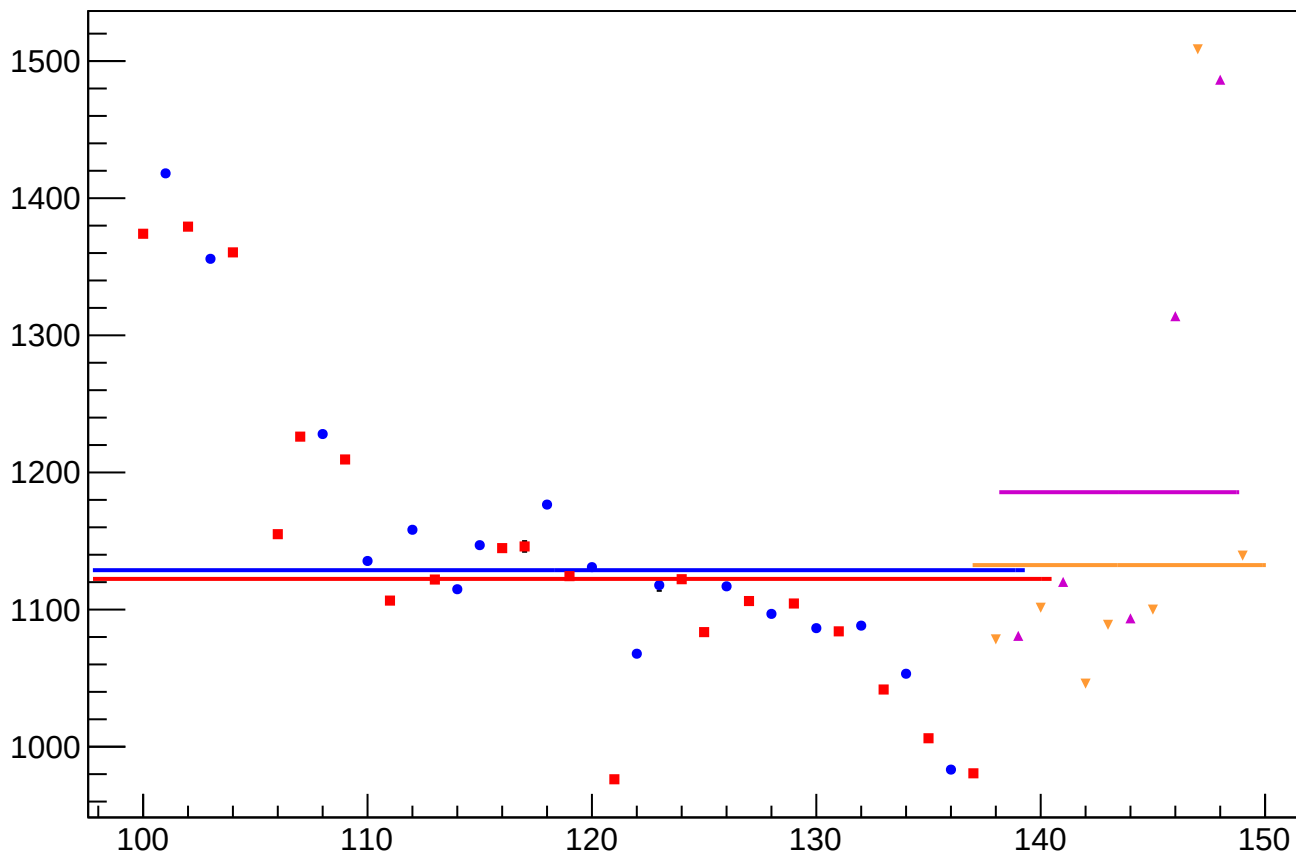
Right Out: 5.198 ± 0.420 χ^2/NDF : 283.1/19

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

-2.487 ± 0.332 χ^2/NDF : 460.8/23

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: 1132.444+/-0.361 χ^2/NDF :111750.4/6

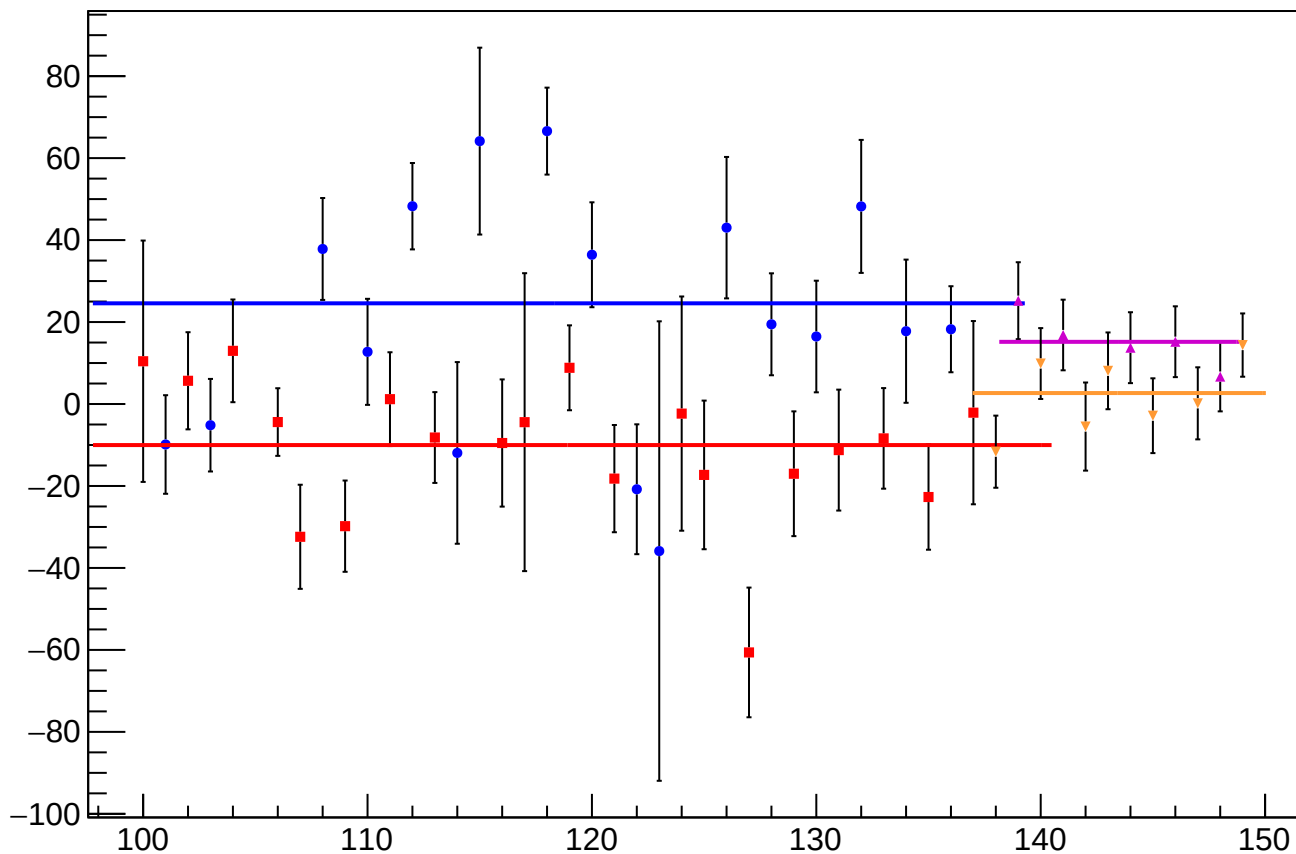
Right Out: 1122.377+/-0.297 χ^2/NDF : 129638.9/19

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

1130.307+/-0.235 χ^2/NDF : 244908.0/23

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: 2.675 ± 3.370 $\chi^2/\text{NDF}: 7.0/6$

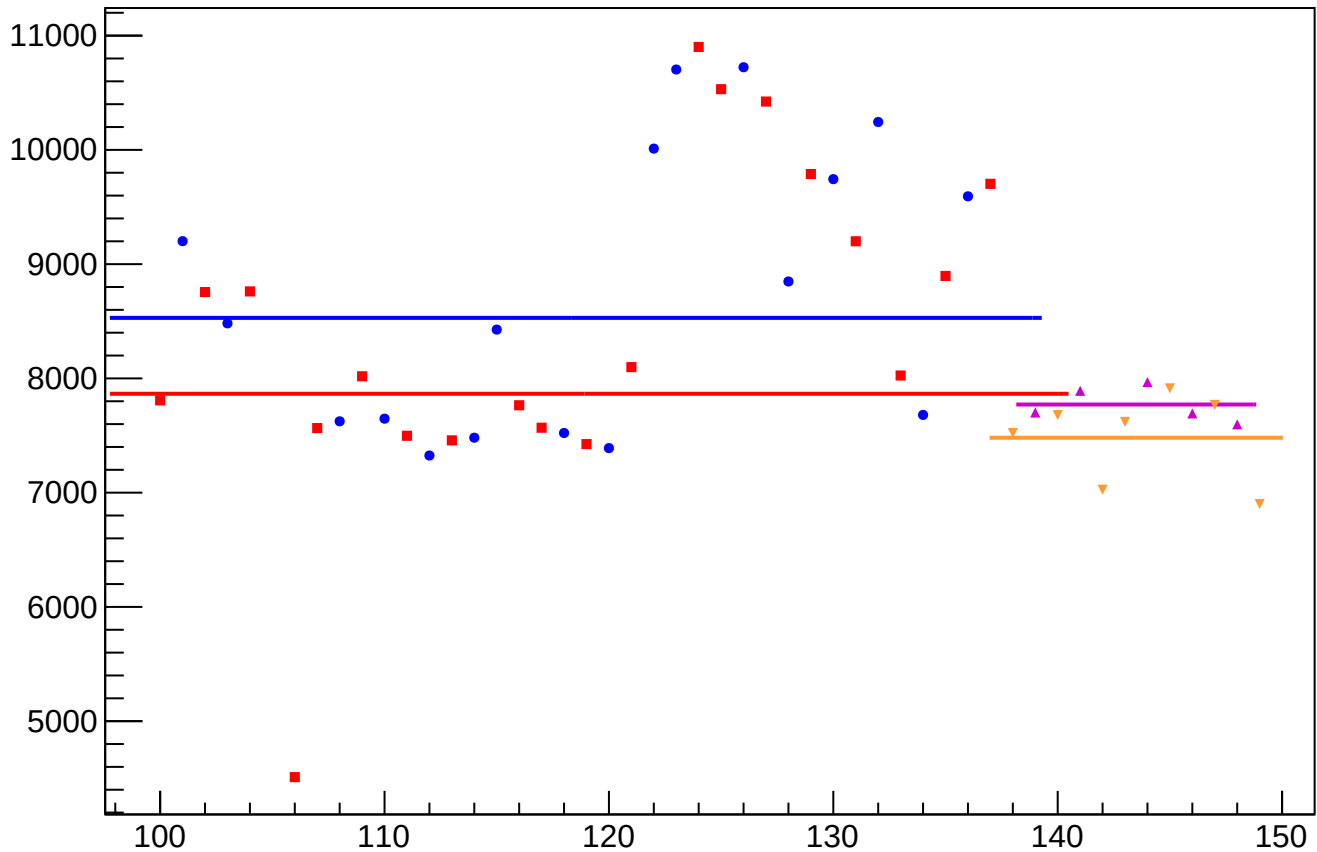
Right Out: -10.019 ± 2.997 $\chi^2/\text{NDF}: 28.8/19$

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

13.790 ± 2.364 $\chi^2/\text{NDF}: 86.5/23$

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

diff_bpm0l10X_rms vs Slug



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

Left Out: 7480.635+/-2.383 χ^2/NDF :23041.4/6

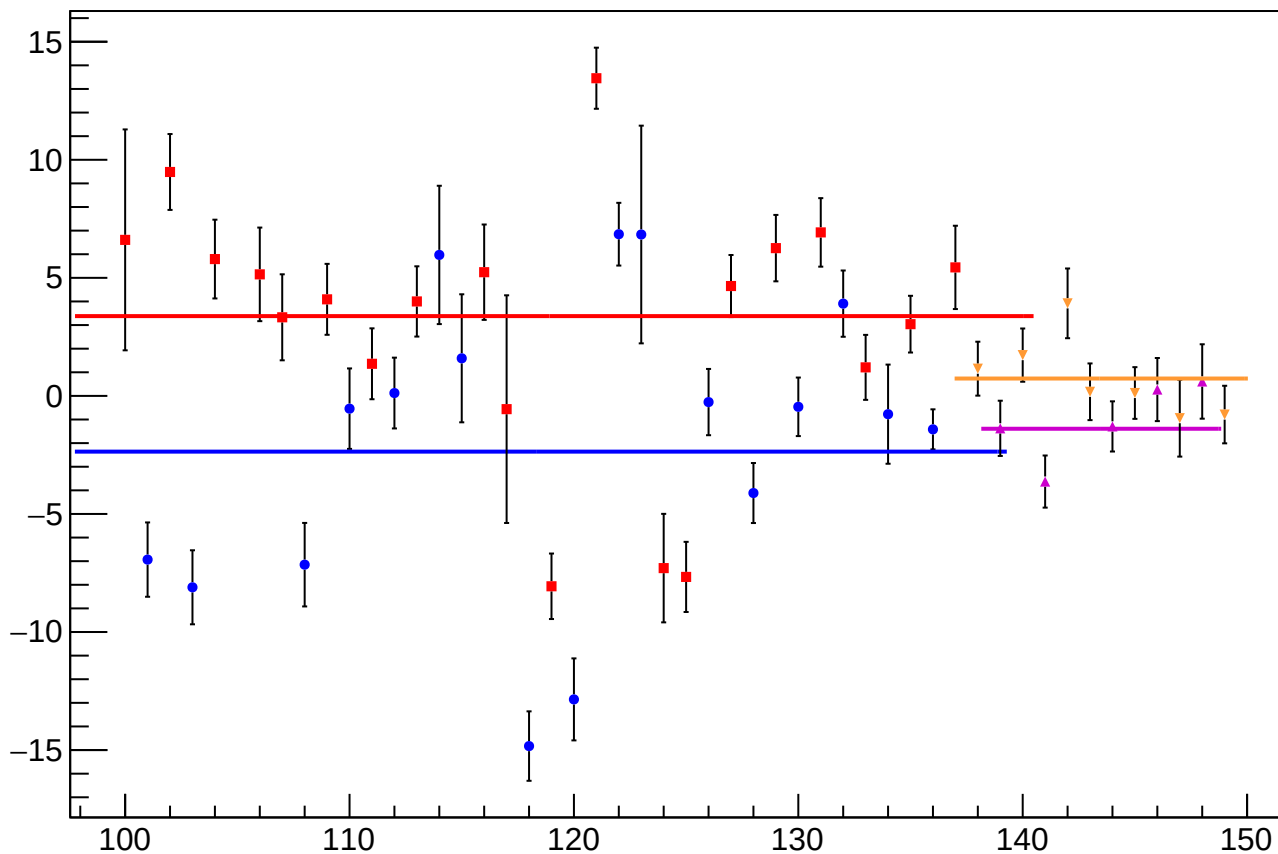
Right Out: 7865.549+/-2.119 χ^2/NDF : 555976.4/19

Left In: 7771.515+/-2.764 χ^2/NDF :2526.3/4

8013.293+/-1.672 χ^2/NDF : 329807.2/23

7830.726+/-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: 0.736 ± 0.467 χ^2/NDF : 8.7/6

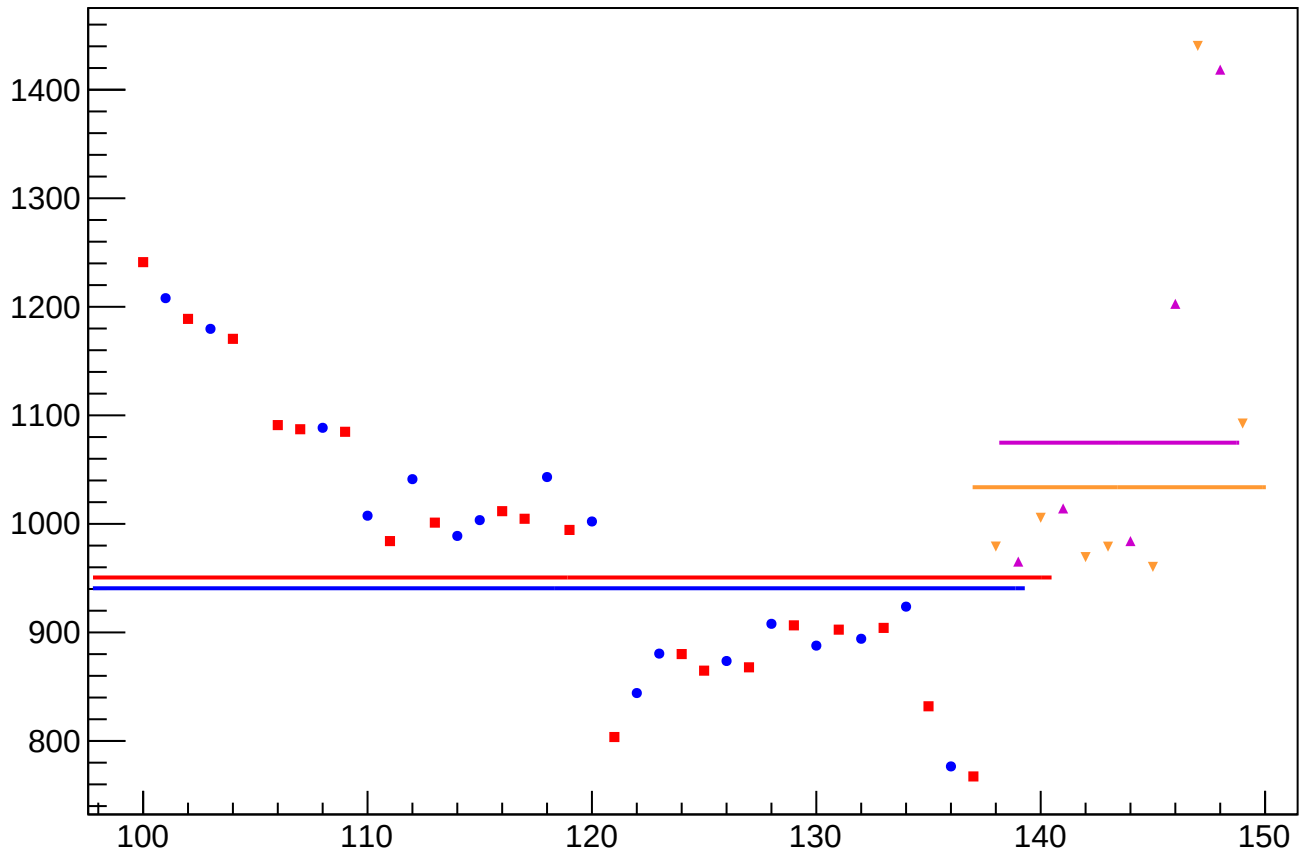
Right Out: 3.379 ± 0.357 χ^2/NDF : 242.1/19

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

-1.183 ± 0.288 χ^2/NDF : 268.0/23

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: 1033.781 ± 0.330 χ^2/NDF : 152164.0/6

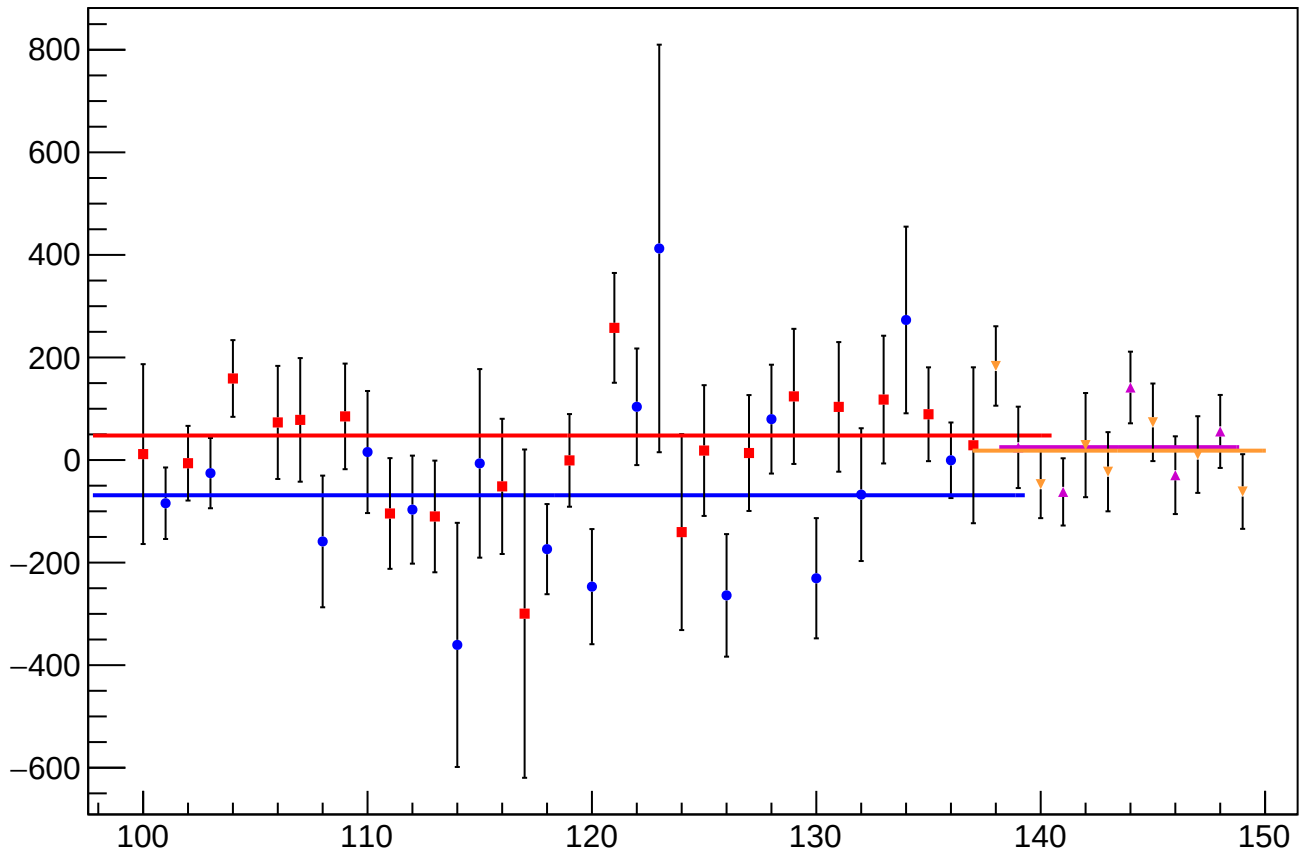
Right Out: 950.615 ± 0.253 χ^2/NDF : 220931.3/19

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

976.080 ± 0.203 χ^2/NDF : 443254.1/23

988.191 ± 0.211 χ^2/NDF : 445675.9/24

diff_bpm0r03X_mean vs Slug



Right In: -68.688 $\pm$ 25.946 χ^2 /NDF: 21.8/16

Left Out: 18.302 $\pm$ 28.845 χ^2 /NDF: 7.6/6

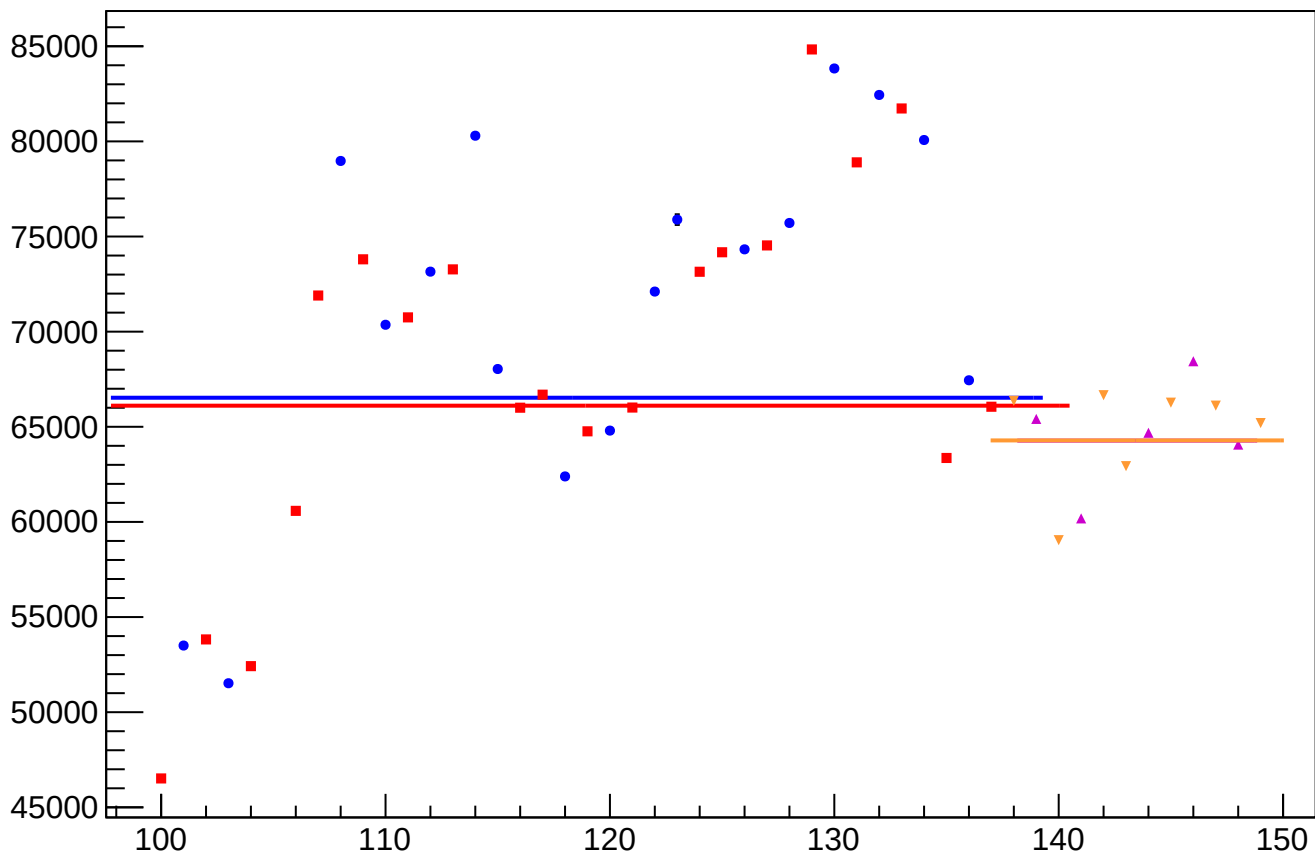
Right Out: 47.835 $\pm$ 24.944 χ^2 /NDF: 15.2/19

Left In: 25.113 $\pm$ 32.148 χ^2 /NDF: 5.2/4

-29.783 $\pm$ 19.290 χ^2 /NDF: 34.3/23

39.297 $\pm$ 19.707 χ^2 /NDF: 20.8/24

diff_bpm0r03X_rms vs Slug



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

Left Out: 64283.554+/-20.396 χ^2/NDF : 18581.5/6

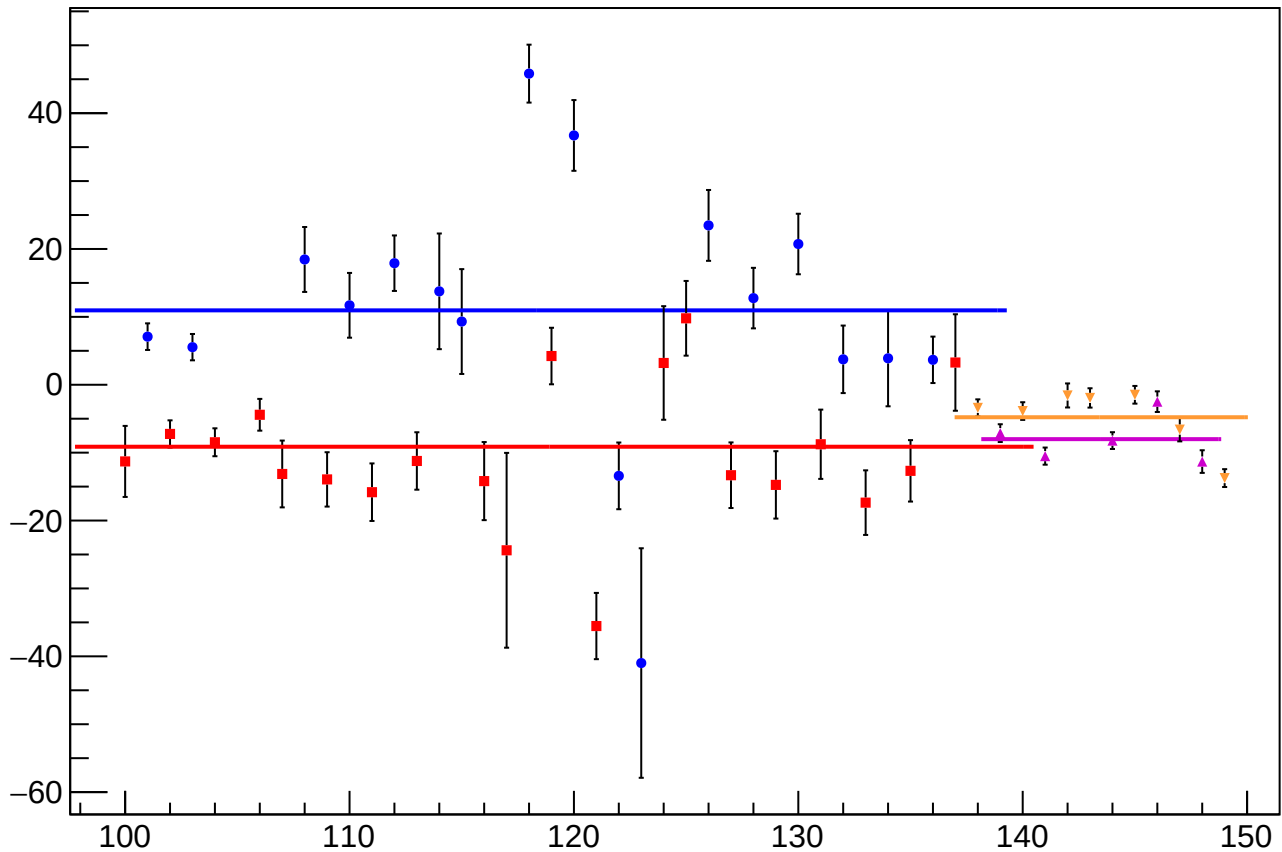
Right Out: 66109.383+/-17.638 χ^2/NDF : 298491.9/19

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

65523.786+/-13.640 χ^2/NDF : 346157.7/23

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: -4.785+/-0.532 χ^2 /NDF: 62.9/6

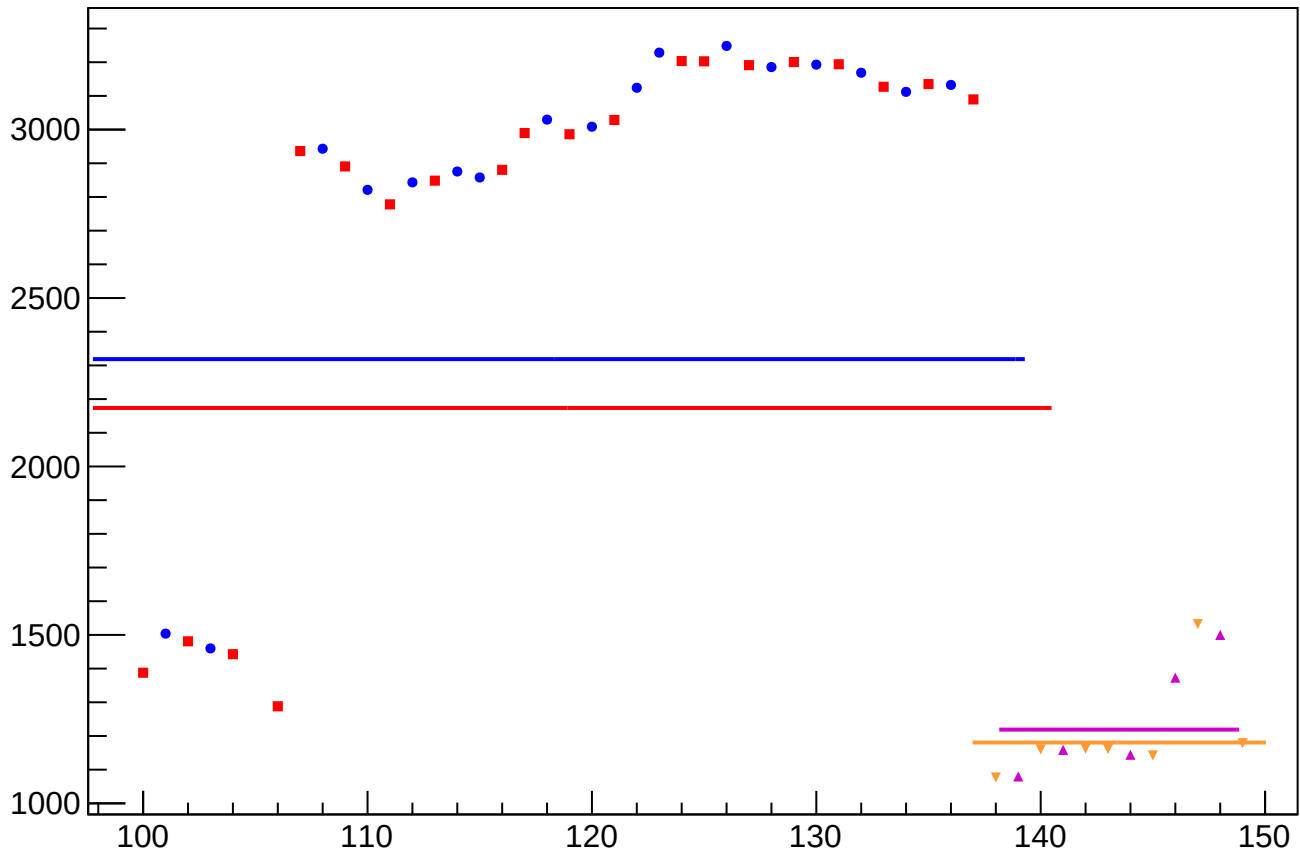
Right Out: -9.127+/-0.865 χ^2 /NDF: 74.2/19

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

-0.989+/-0.463 χ^2 /NDF: 435.3/23

-8.384+/-0.500 χ^2 /NDF: 96.9/24

diff_bpm0r03Y_rms vs Slug



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

Left Out: 1180.628+/-0.376 χ^2/NDF : 98885.2/6

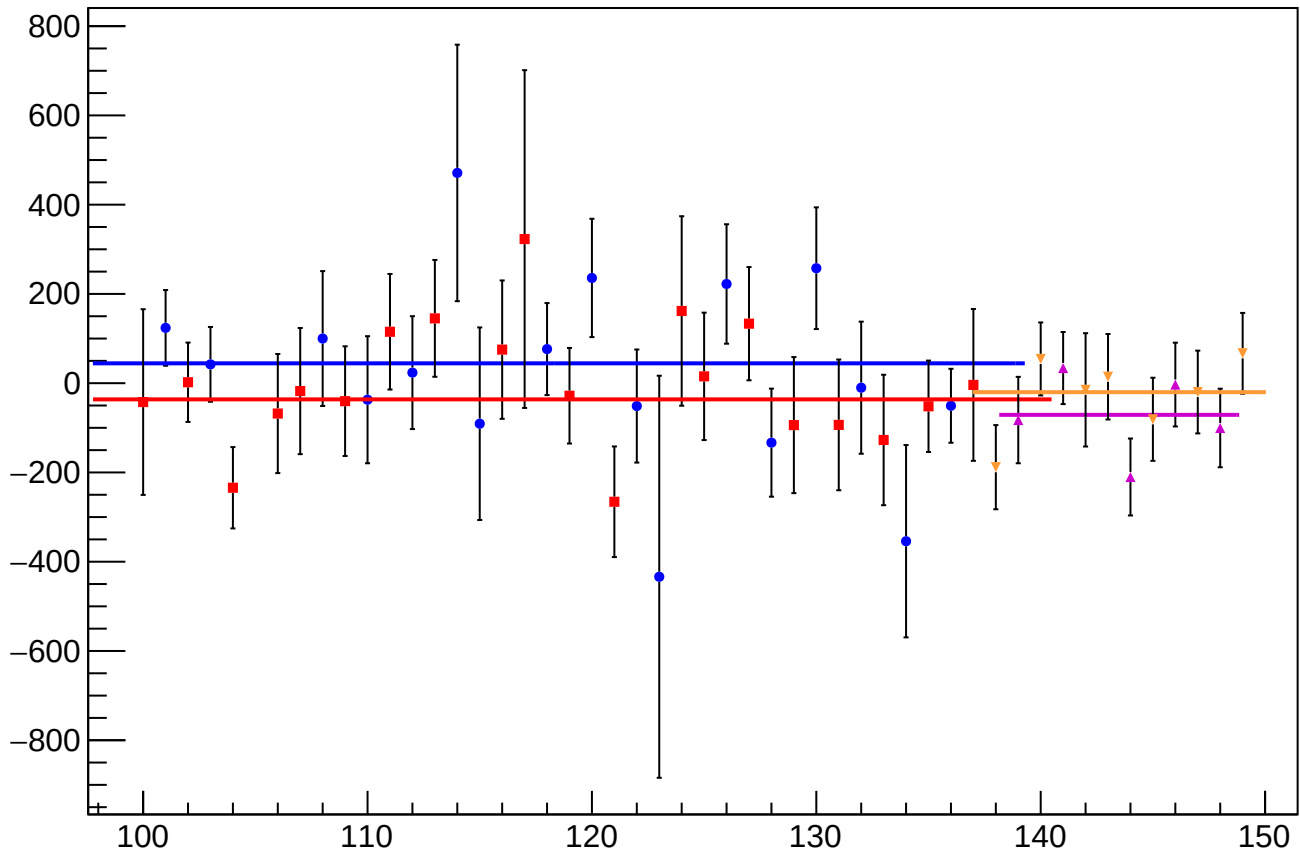
Right Out: 2173.762+/-0.611 χ^2/NDF : 1760181.2/19

Left In: 1218.915+/-0.434 χ^2/NDF : 111811.3/4

1455.071+/-0.328 χ^2/NDF : 3716553.4/23

1538.433+/-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: -20.142 ± 35.648 χ^2/NDF : 5.5/6

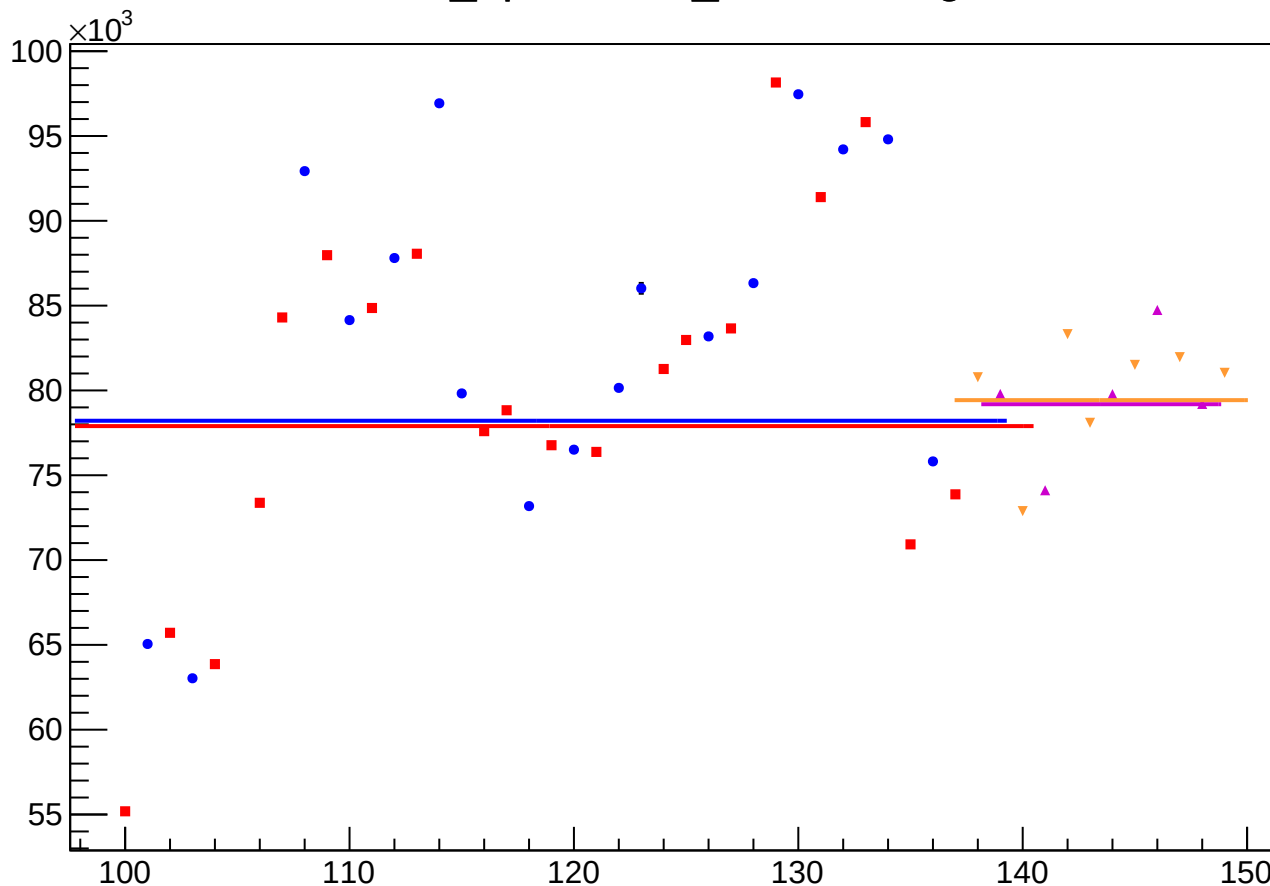
Right Out: -36.251 ± 29.346 χ^2/NDF : 16.7/19

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

17.240 ± 23.145 χ^2/NDF : 26.5/23

-48.550 ± 23.581 χ^2/NDF : 22.1/24

diff_bpm0r05X_rms vs Slug



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

Left Out: 79427.635 $\pm$ 25.207 χ^2 /NDF:18615.1/6

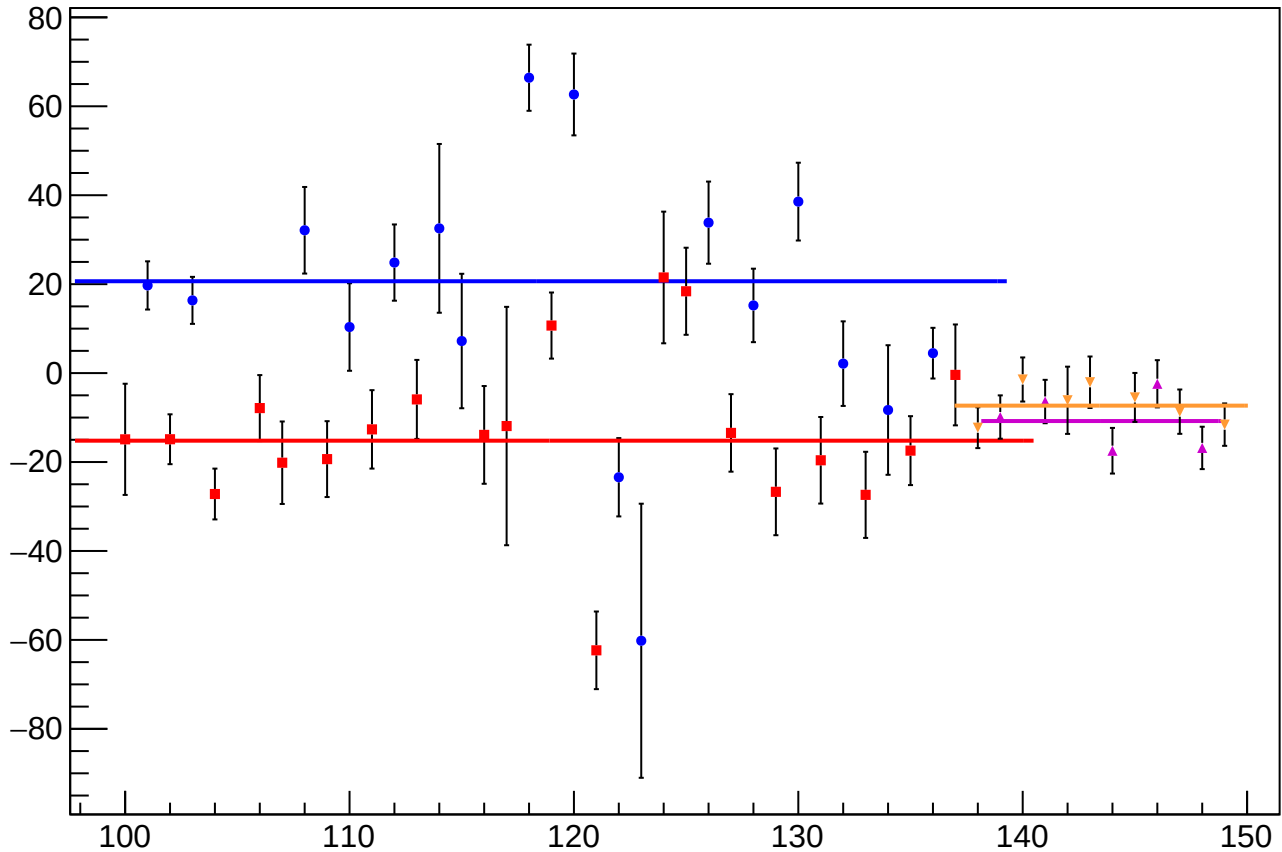
Right Out: 77897.594 $\pm$ 20.751 χ^2 /NDF: 246982.5/19

Left In: 79188.091 $\pm$ 28.013 χ^2 /NDF:15071.7/4

78725.053 $\pm$ 16.366 χ^2 /NDF: 271014.8/23

78354.839 $\pm$ 16.674 χ^2 /NDF: 263424.5/24

diff_bpm0r05Y_mean vs Slug



Right In: 20.657 $\pm$ 2.036 χ^2 /NDF: 117.7/16

Left Out: -7.318 $\pm$ 1.989 χ^2 /NDF: 4.4/6

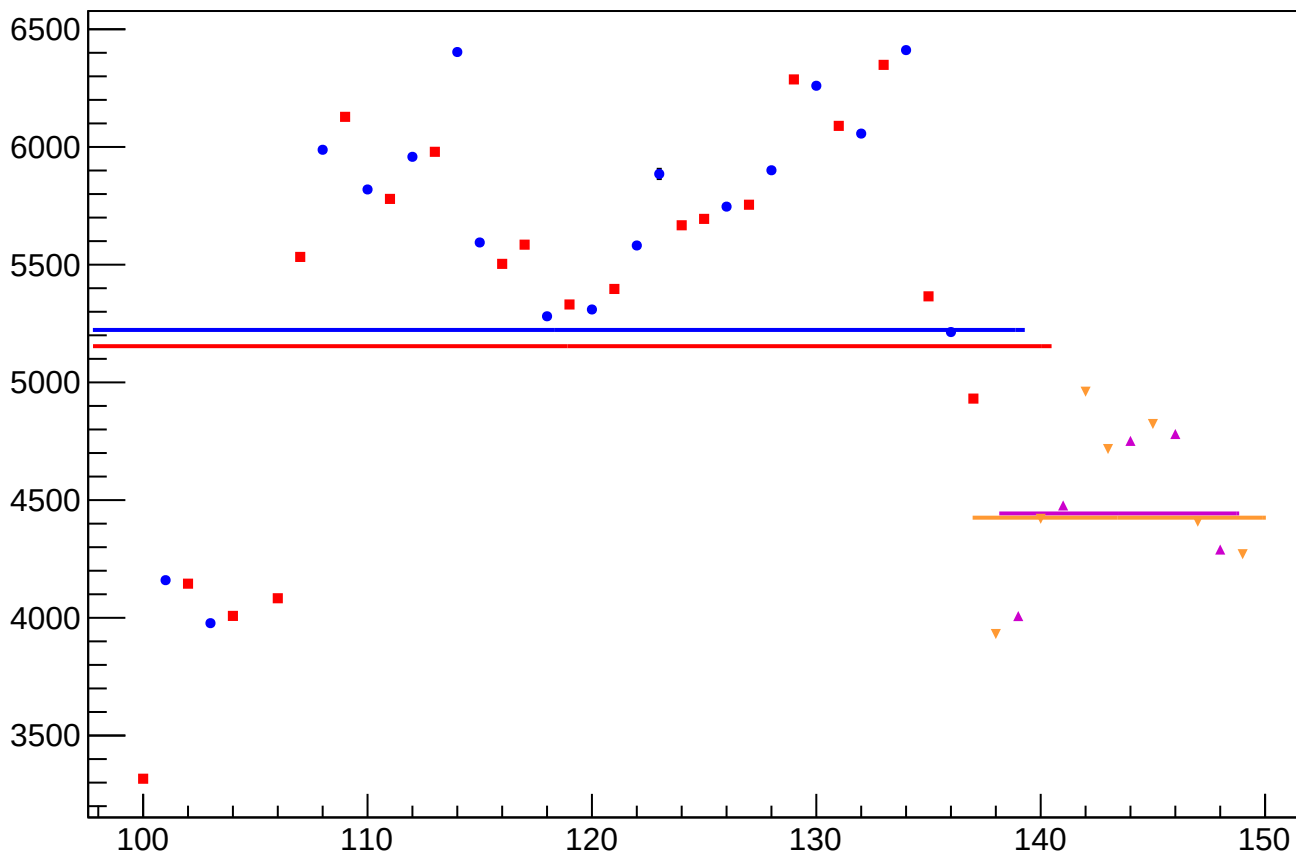
Right Out: -15.198 $\pm$ 1.950 χ^2 /NDF: 71.3/19

Left In: -10.782 $\pm$ 2.227 χ^2 /NDF: 6.6/4

6.345 $\pm$ 1.423 χ^2 /NDF: 218.7/23

-13.282 $\pm$ 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: 4425.366+/-1.407 χ^2/NDF : 50877.0/6

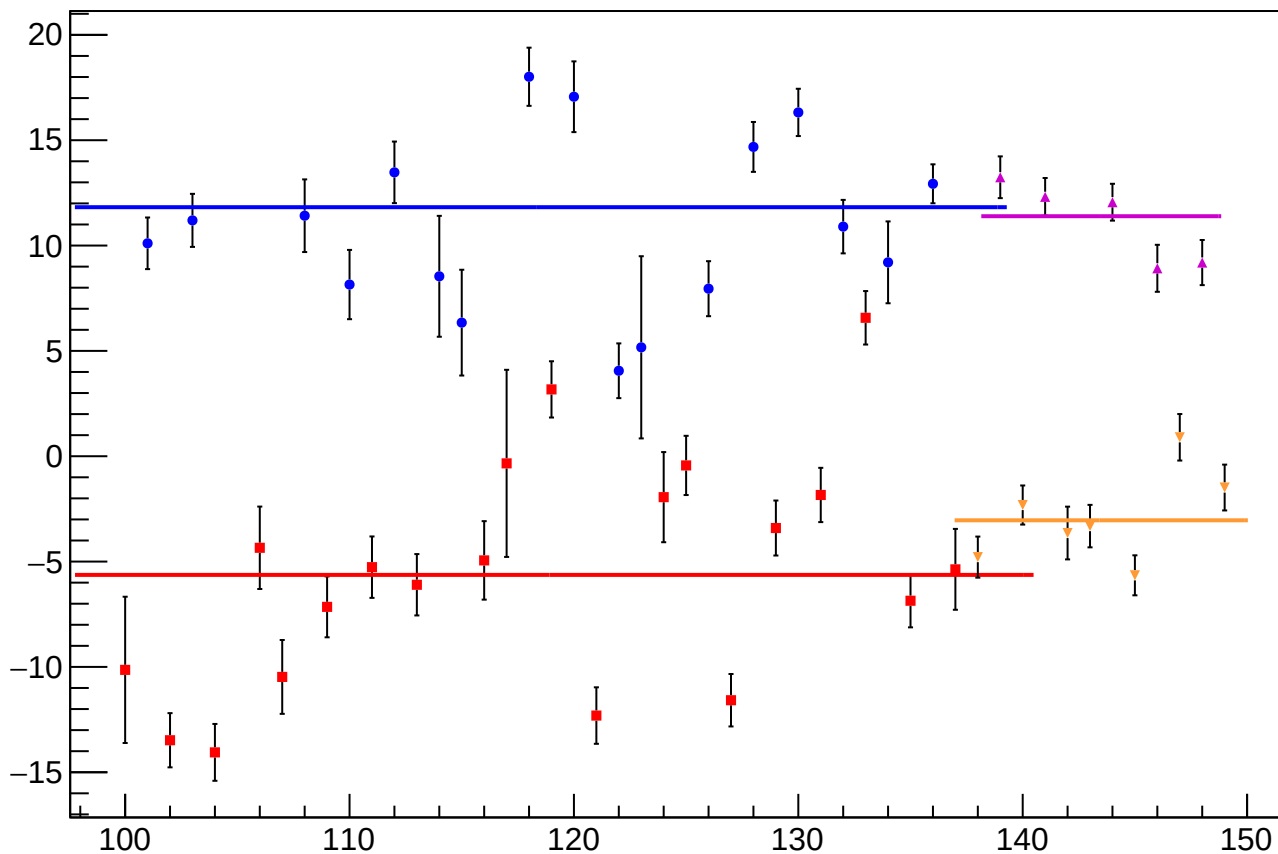
Right Out: 5153.826+/-1.379 χ^2/NDF : 388205.9/19

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

4814.828+/-1.006 χ^2/NDF : 520338.5/23

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: -3.041 ± 0.389 χ^2/NDF : 26.5/6

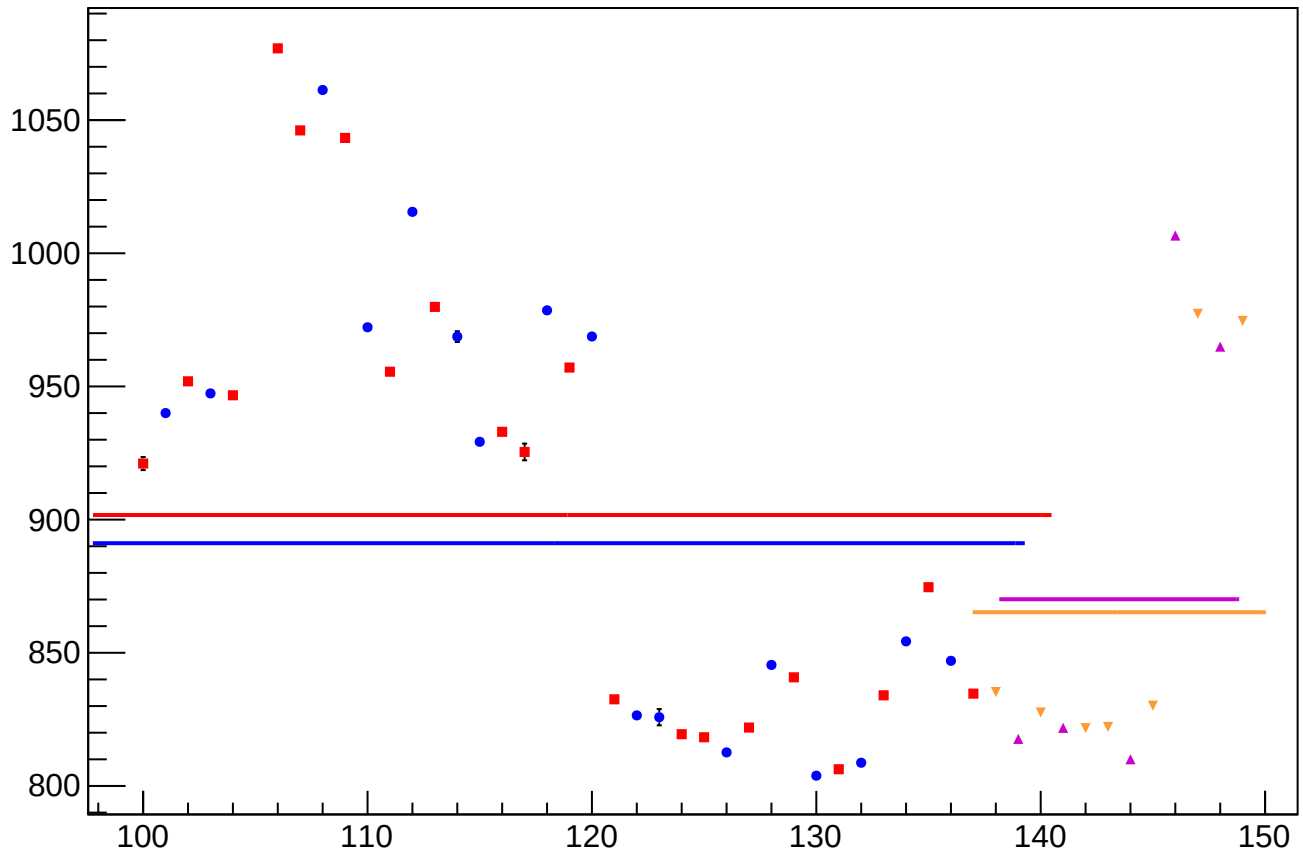
Right Out: -5.632 ± 0.337 χ^2/NDF : 301.6/19

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

5.286 ± 0.258 χ^2/NDF : 961.9/23

0.741 ± 0.267 χ^2/NDF : 1268.4/24

diff_bpm2i01X_rms vs Slug



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

Left Out: 865.224 ± 0.275 $\chi^2/\text{NDF}: 54813.2/6$

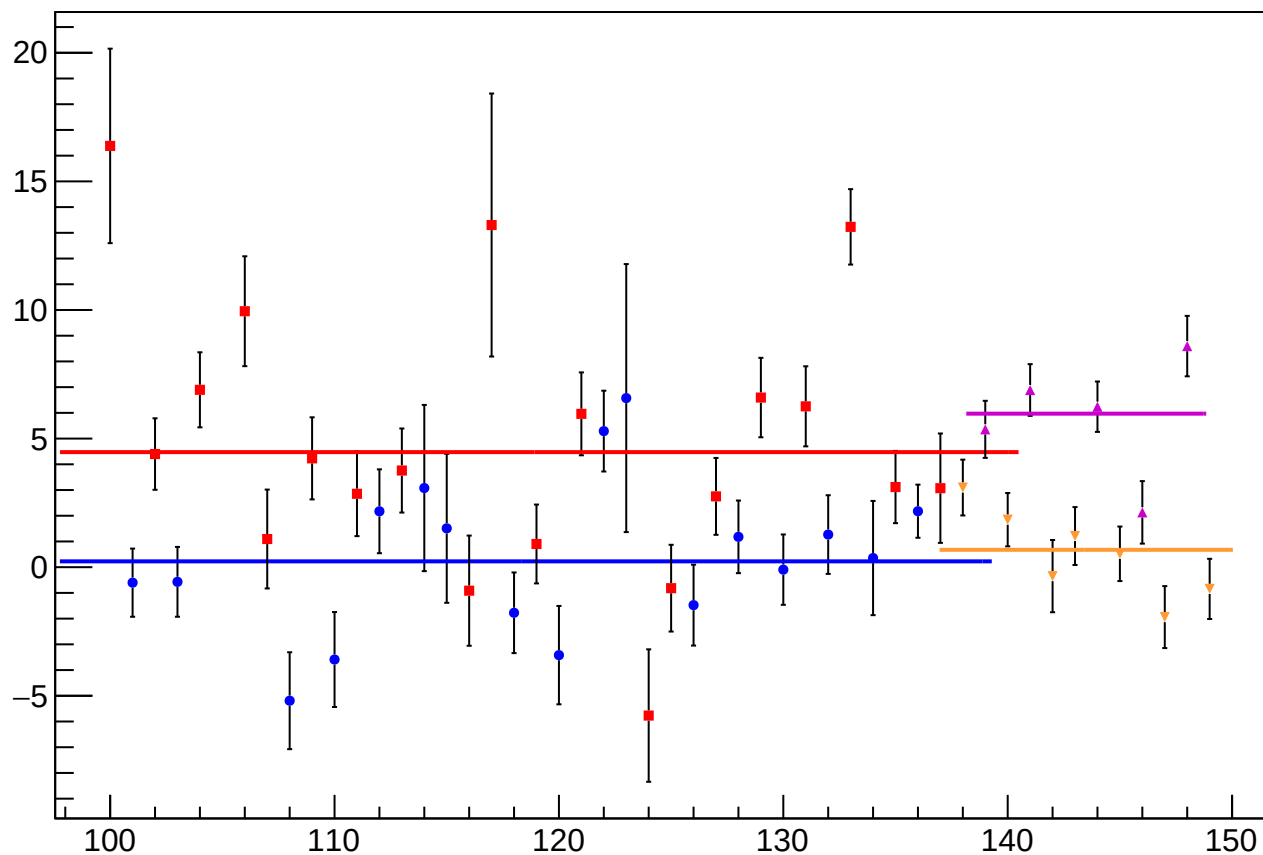
Right Out: 901.725 ± 0.239 $\chi^2/\text{NDF}: 114648.1/19$

Left In: 870.109 ± 0.309 $\chi^2/\text{NDF}: 66533.6/4$

879.749 ± 0.182 $\chi^2/\text{NDF}: 161452.8/23$

889.890 ± 0.189 $\chi^2/\text{NDF}: 187752.1/24$

diff_bpm2i01Y_mean vs Slug



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

Left Out: 0.675 ± 0.431 χ^2/NDF : 13.4/6

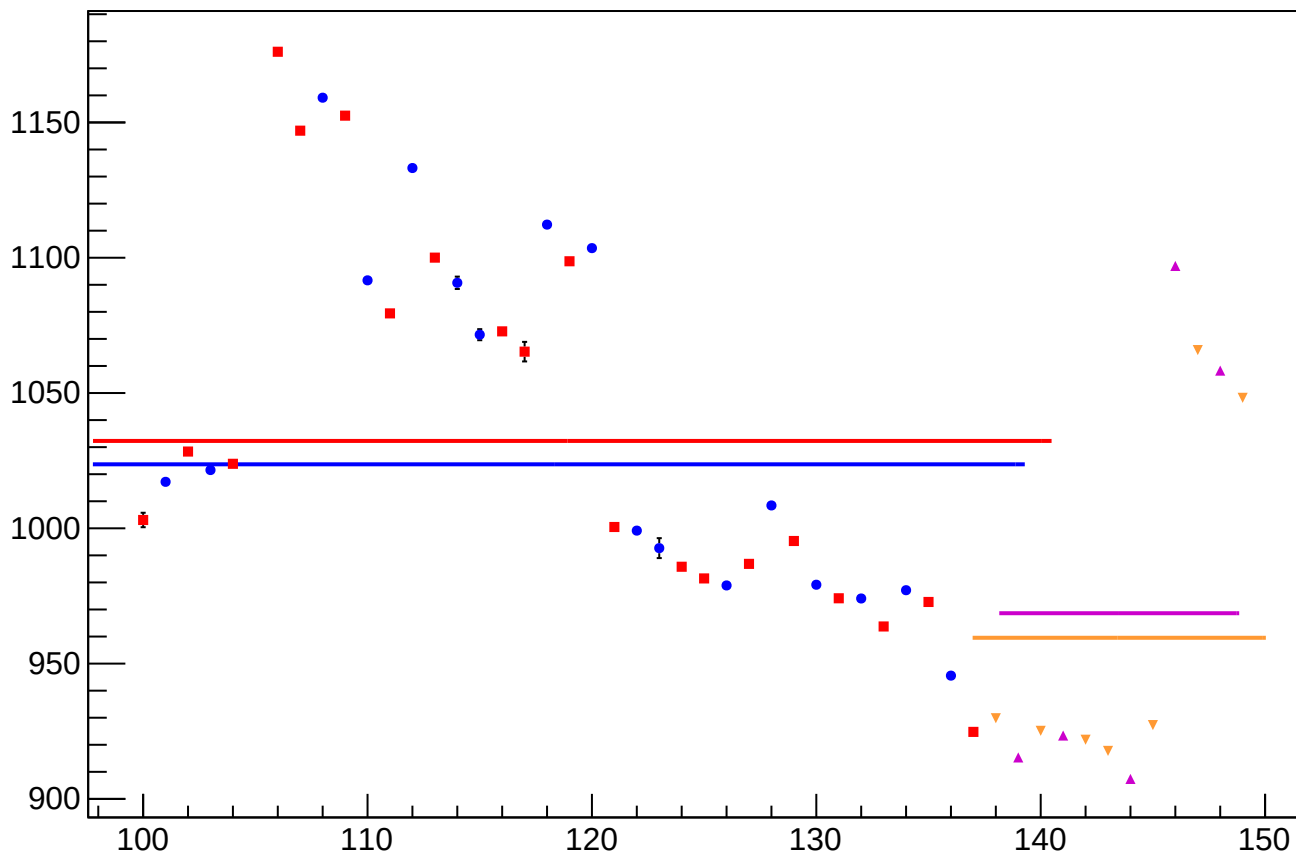
Right Out: 4.473 ± 0.386 χ^2/NDF : 106.3/19

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

0.432 ± 0.291 χ^2/NDF : 52.6/23

5.052 ± 0.302 χ^2/NDF : 128.3/24

diff_bpm2i01Y_rms vs Slug



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

Left Out: 959.547+/-0.305 χ^2/NDF : 36844.9/6

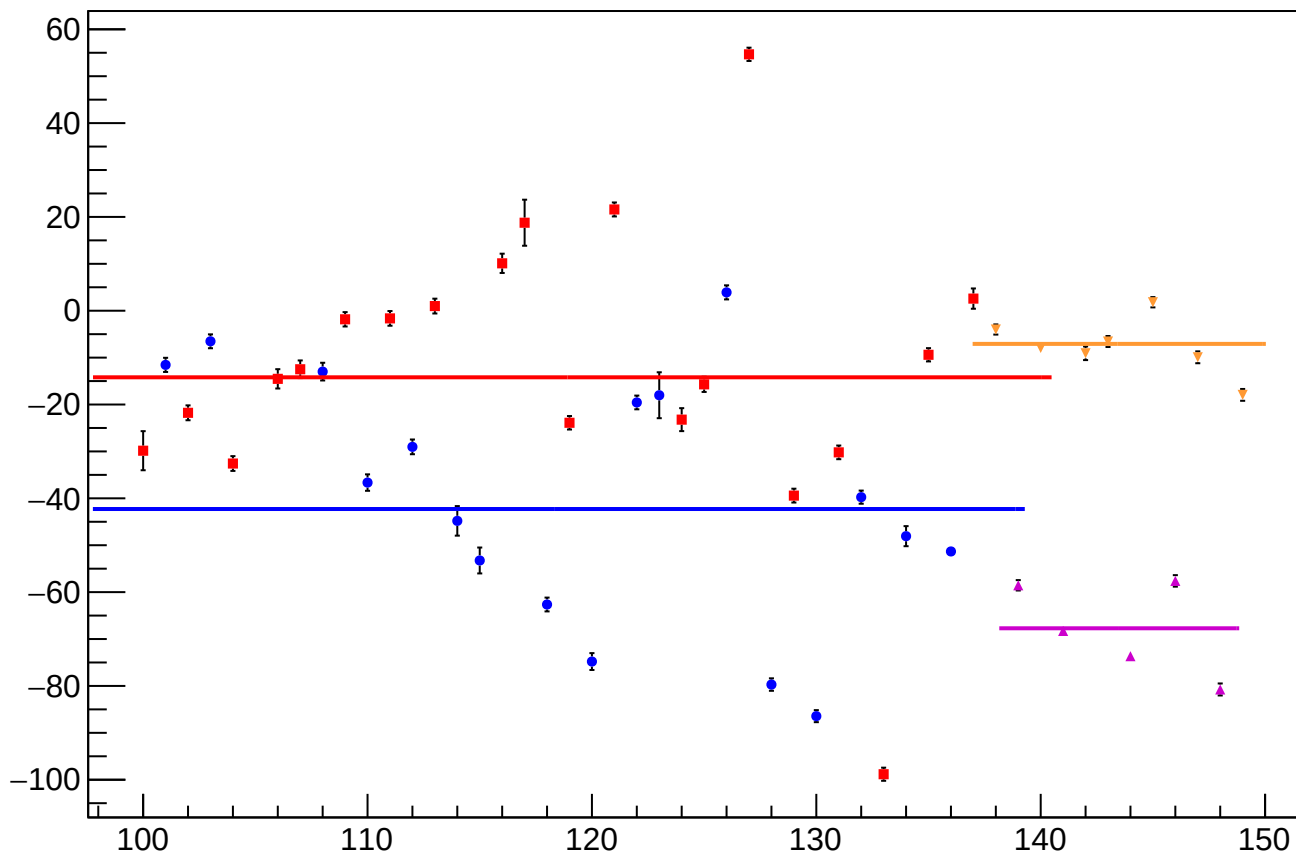
Right Out: 1032.296+/-0.273 χ^2/NDF : 59475.4/19

Left In: 968.621+/-0.343 χ^2/NDF : 50453.1/4

994.377+/-0.206 χ^2/NDF : 113279.1/23

1007.647+/-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: -7.072+/-0.446 χ^2/NDF :155.4/6

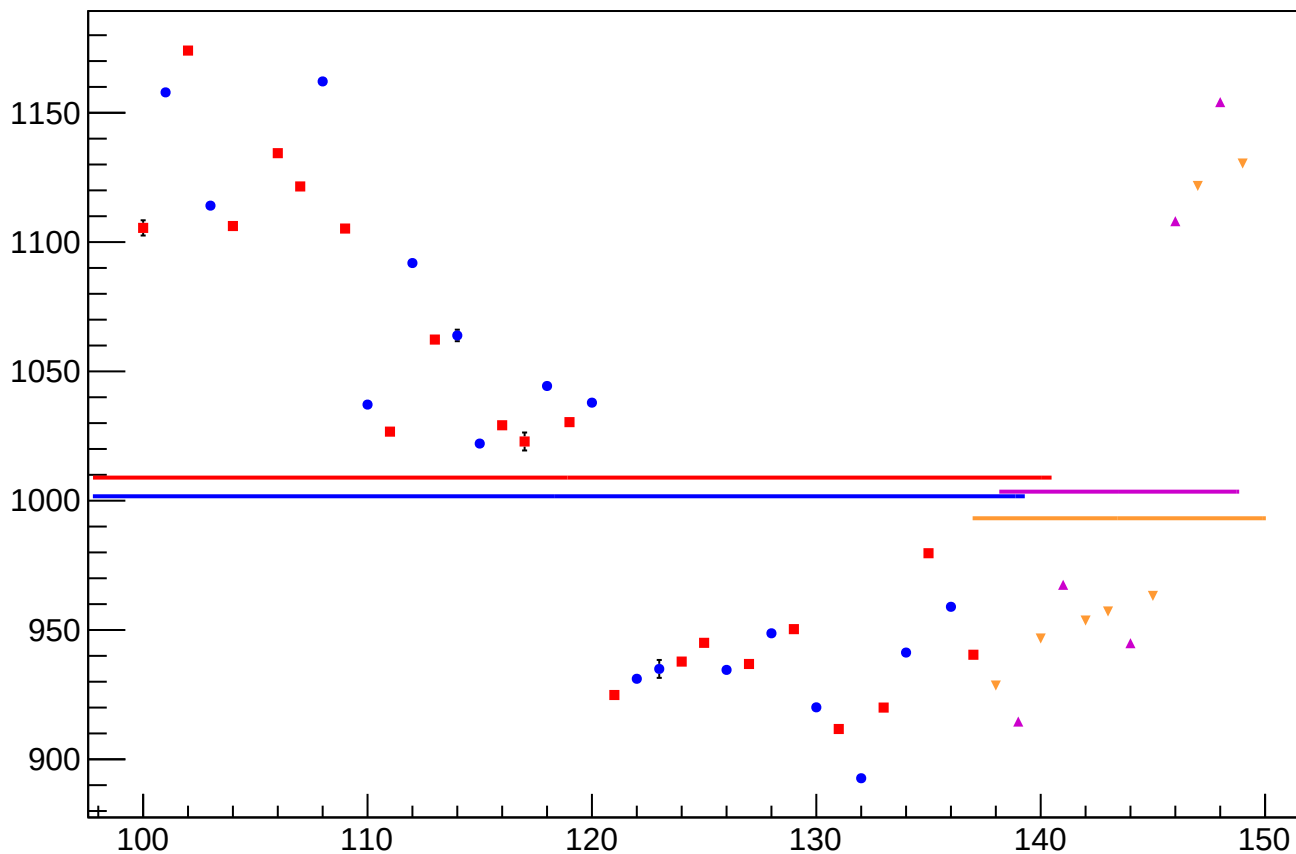
Right Out: -14.197+/-0.377 χ^2/NDF : 7715.1/19

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

-27.163+/-0.292 χ^2/NDF : 8833.1/23

-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: 993.204+/-0.316 χ^2/NDF : 60048.6/6

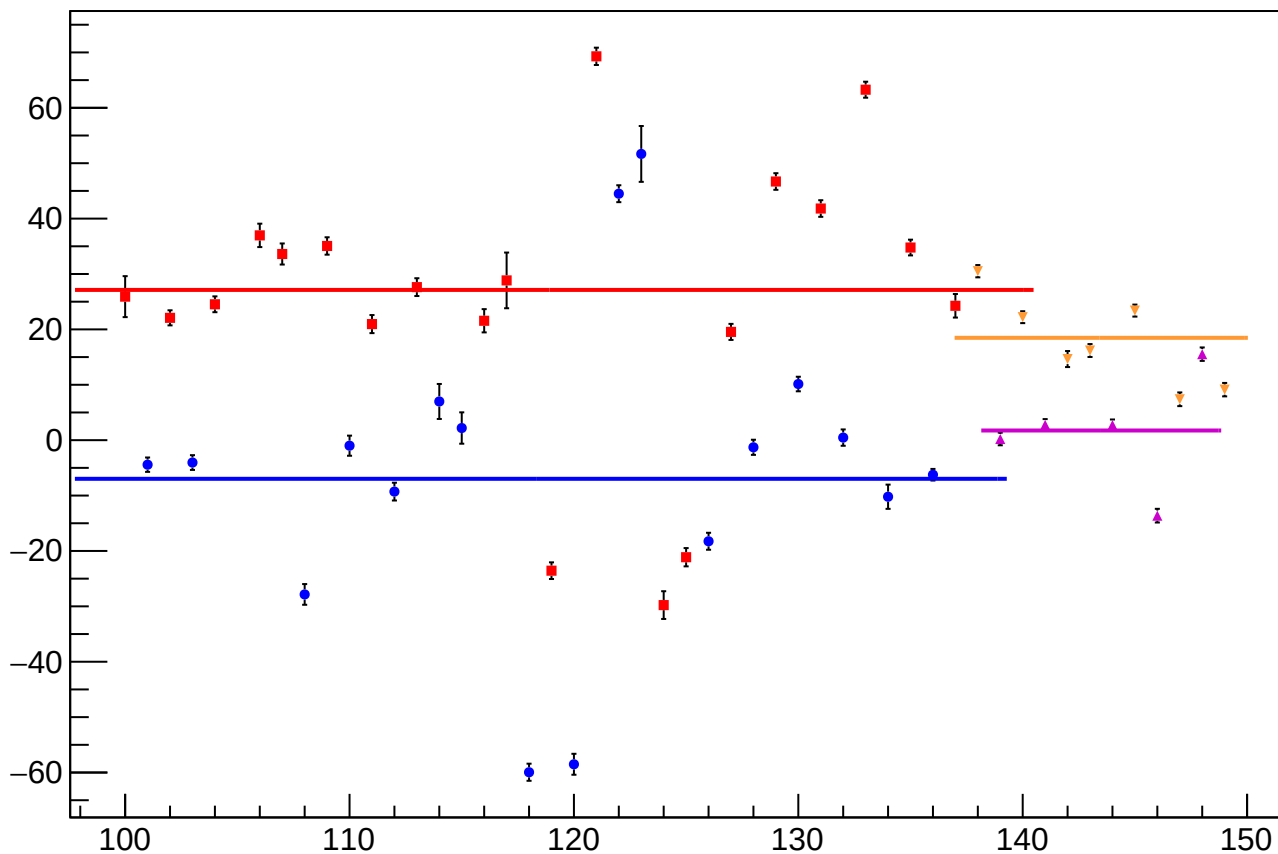
Right Out: 1008.931+/-0.267 χ^2/NDF : 95366.1/19

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

998.056+/-0.207 χ^2/NDF : 155942.7/23

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: 18.481 ± 0.444 χ^2/NDF : 301.0/6

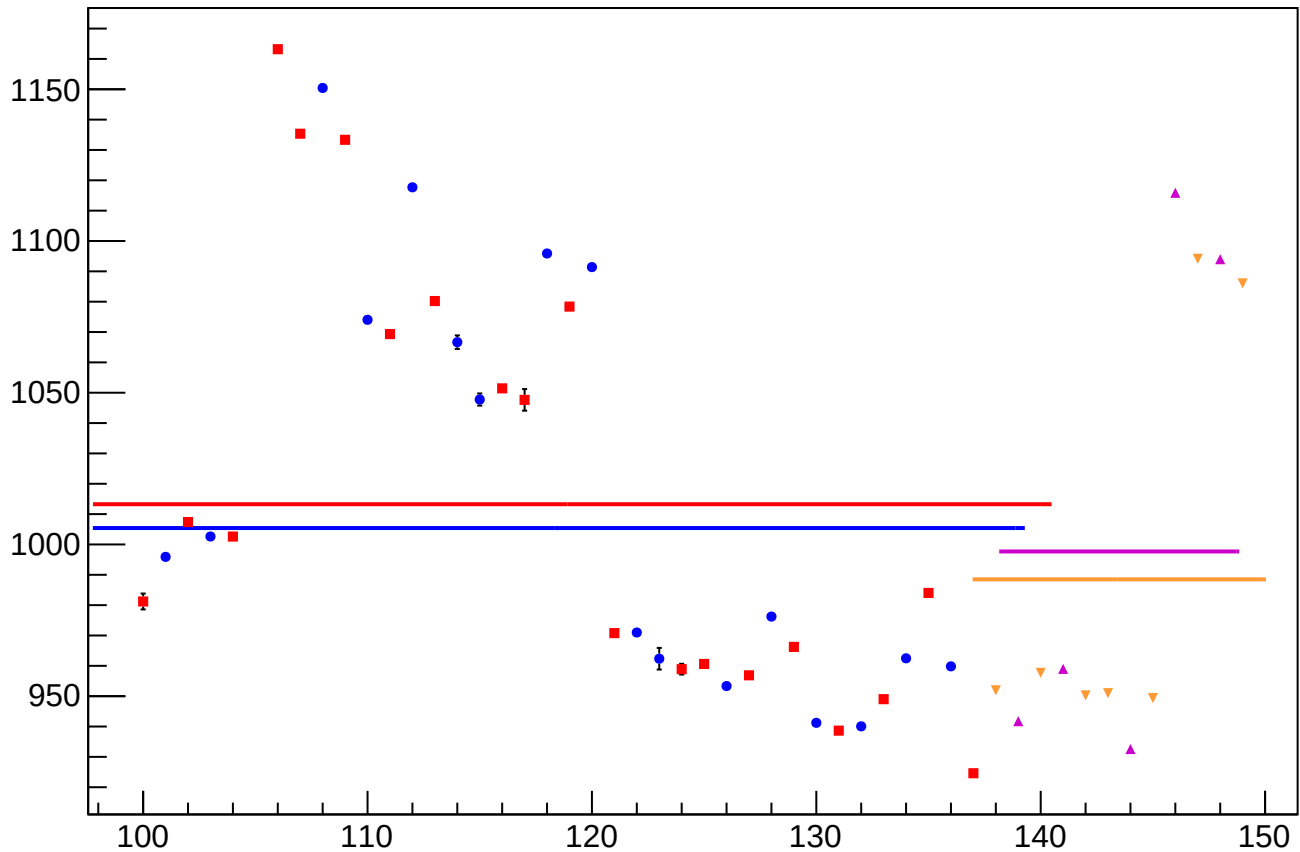
Right Out: 27.125 ± 0.379 χ^2/NDF : 4283.6/19

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

4.052 ± 0.292 χ^2/NDF : 5802.7/23

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: 988.504+/-0.314 χ^2/NDF : 37447.0/6

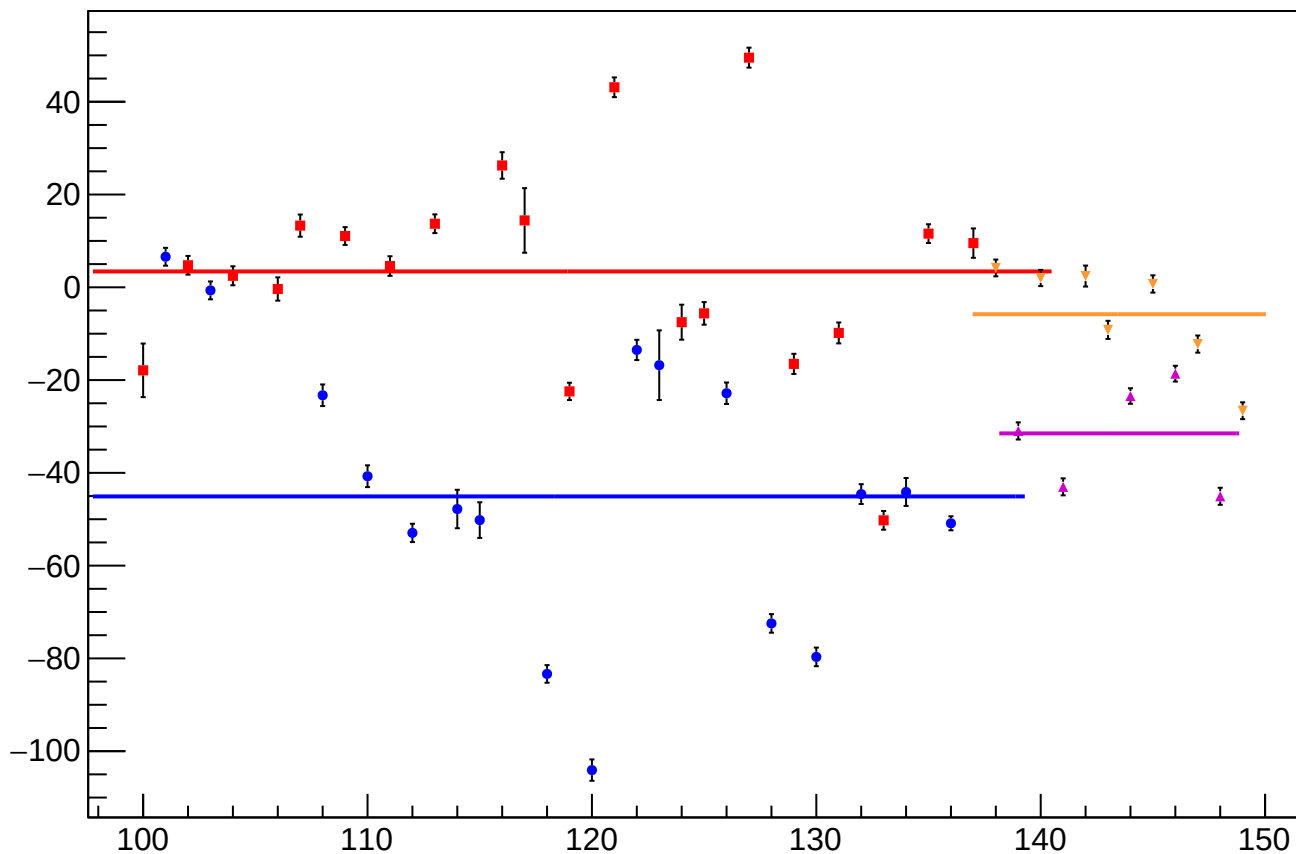
Right Out: 1013.260+/-0.268 χ^2/NDF : 63359.8/19

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

998.086+/-0.207 χ^2/NDF : 93677.9/23

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

diff_bpm0i02X_mean vs Slug



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

Left Out: -5.802 ± 0.712 χ^2/NDF : 222.5/6

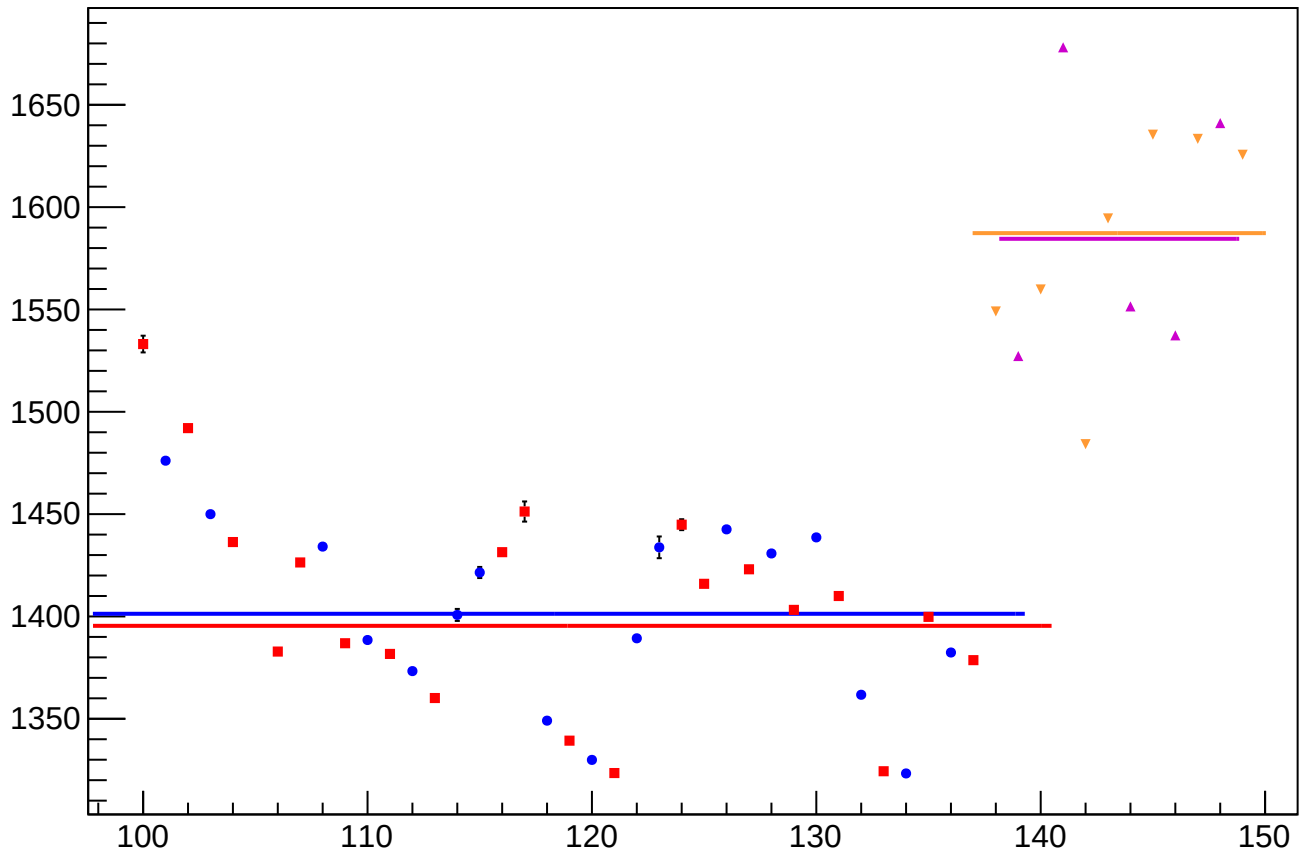
Right Out: 3.419 ± 0.520 χ^2/NDF : 2008.2/19

Left In: -31.499 ± 0.794 χ^2/NDF : 174.5/4

-30.739 ± 0.430 χ^2/NDF : 5394.6/23

-7.076 ± 0.435 χ^2/NDF : 3536.1/24

diff_bpm0i02X_rms vs Slug



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

Left Out: 1587.302 $\pm$ 0.503 χ^2 /NDF:9043.2/6

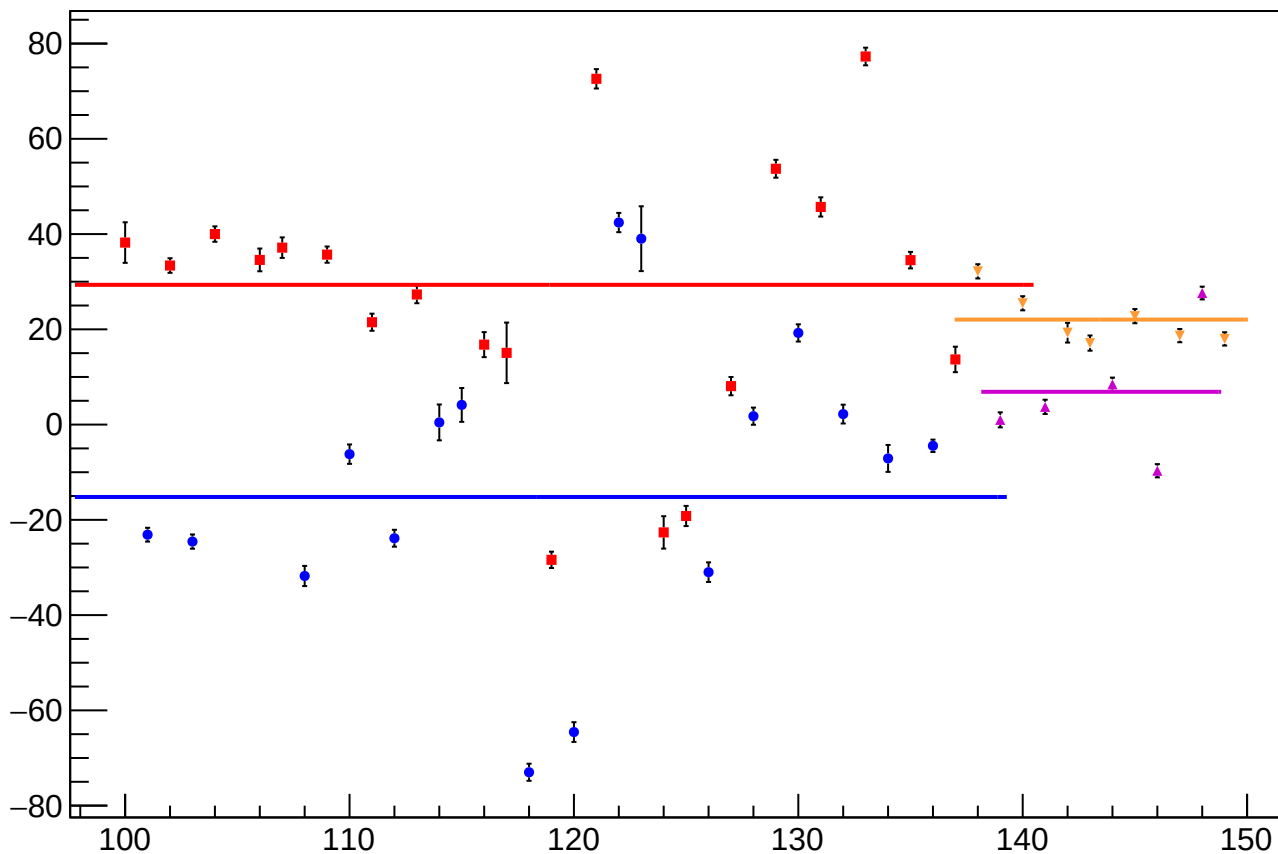
Right Out: 1395.419 $\pm$ 0.368 χ^2 /NDF: 15649.3/19

Left In: 1584.524 $\pm$ 0.561 χ^2 /NDF:11343.4/4

1469.220 $\pm$ 0.304 χ^2 /NDF: 108628.7/23

1452.256 $\pm$ 0.308 χ^2 /NDF: 106382.5/24

diff_bpm0i02Y_mean vs Slug



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

Left Out: 22.047 ± 0.577 χ^2/NDF : 76.8/6

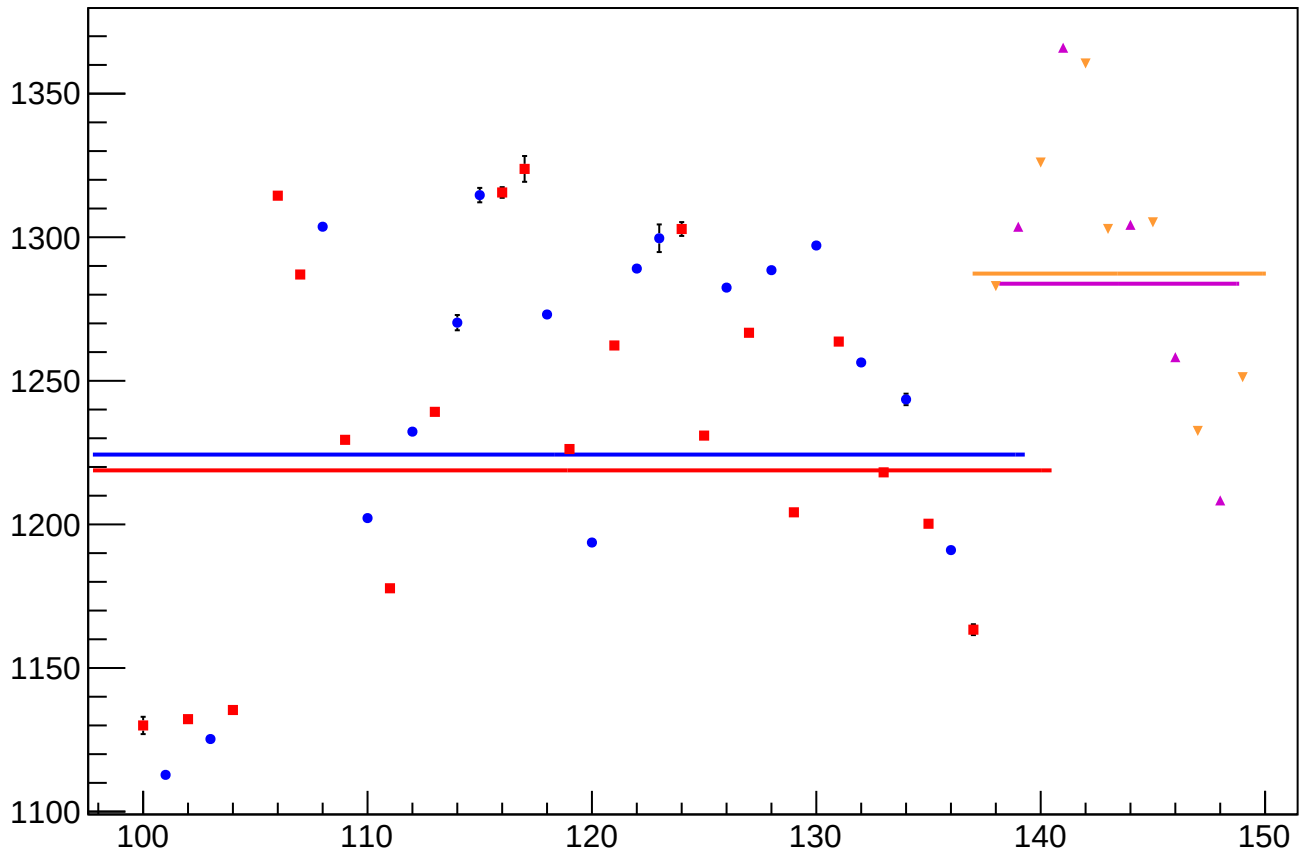
Right Out: 29.344 ± 0.455 χ^2/NDF : 3549.9/19

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

-0.267 ± 0.365 χ^2/NDF : 5935.2/23

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: 1287.340 ± 0.408 χ^2/NDF : 8770.1/6

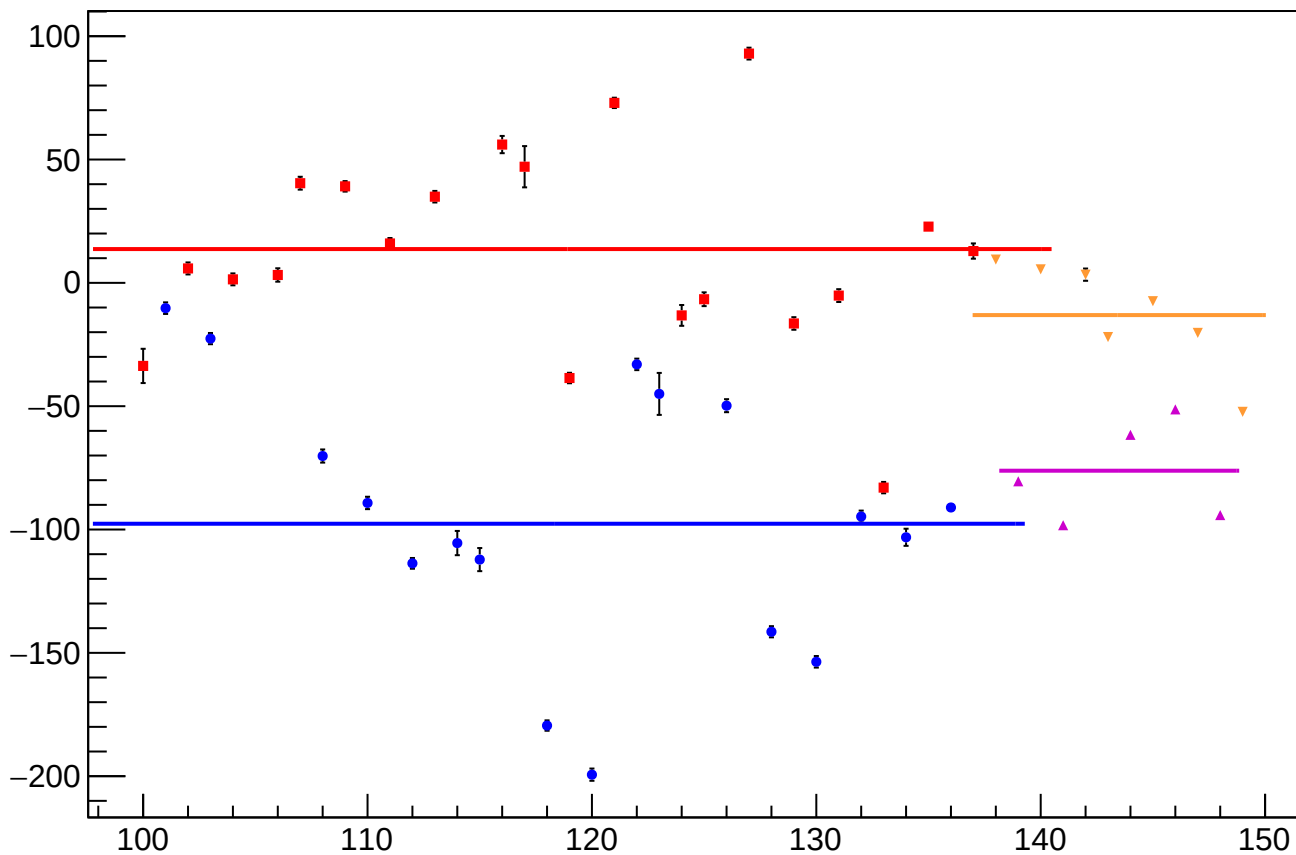
Right Out: 1218.817 ± 0.322 χ^2/NDF : 28121.5/19

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

1249.588 ± 0.258 χ^2/NDF : 61836.8/23

1240.534 ± 0.263 χ^2/NDF : 55558.5/24

diff_bpm0i02aX_mean vs Slug



Right In: -97.657 ± 0.601 $\chi^2/\text{NDF}: 7936.6/16$

Left Out: -13.066 ± 0.727 $\chi^2/\text{NDF}: 797.4/6$

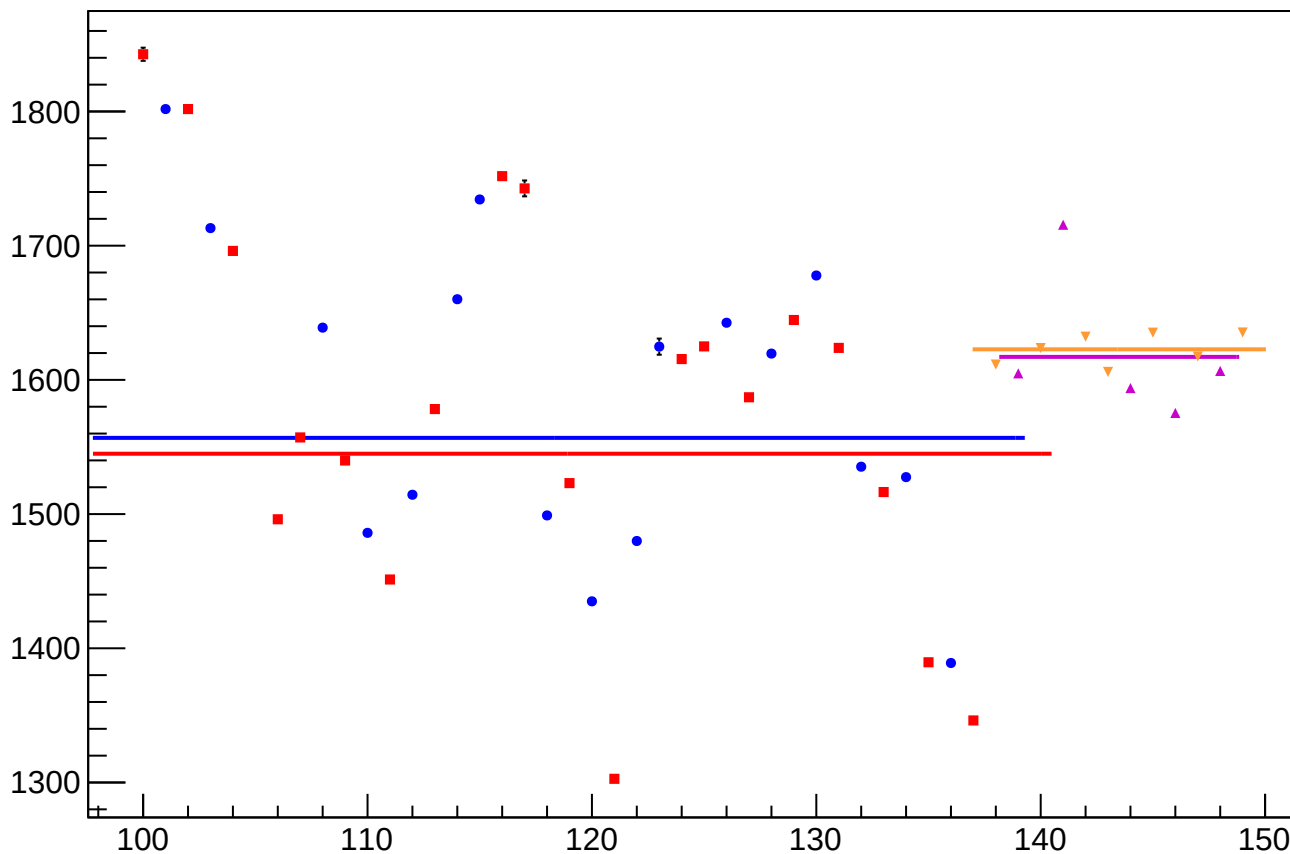
Right Out: 13.698 ± 0.578 $\chi^2/\text{NDF}: 5144.2/19$

Left In: -76.157 ± 0.809 $\chi^2/\text{NDF}: 519.6/4$

-63.300 ± 0.463 $\chi^2/\text{NDF}: 16771.7/23$

-16.663 ± 0.470 $\chi^2/\text{NDF}: 13830.2/24$

diff_bpm0i02aX_rms vs Slug



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

Left Out: 1622.773 ± 0.514 $\chi^2/\text{NDF}: 448.4/6$

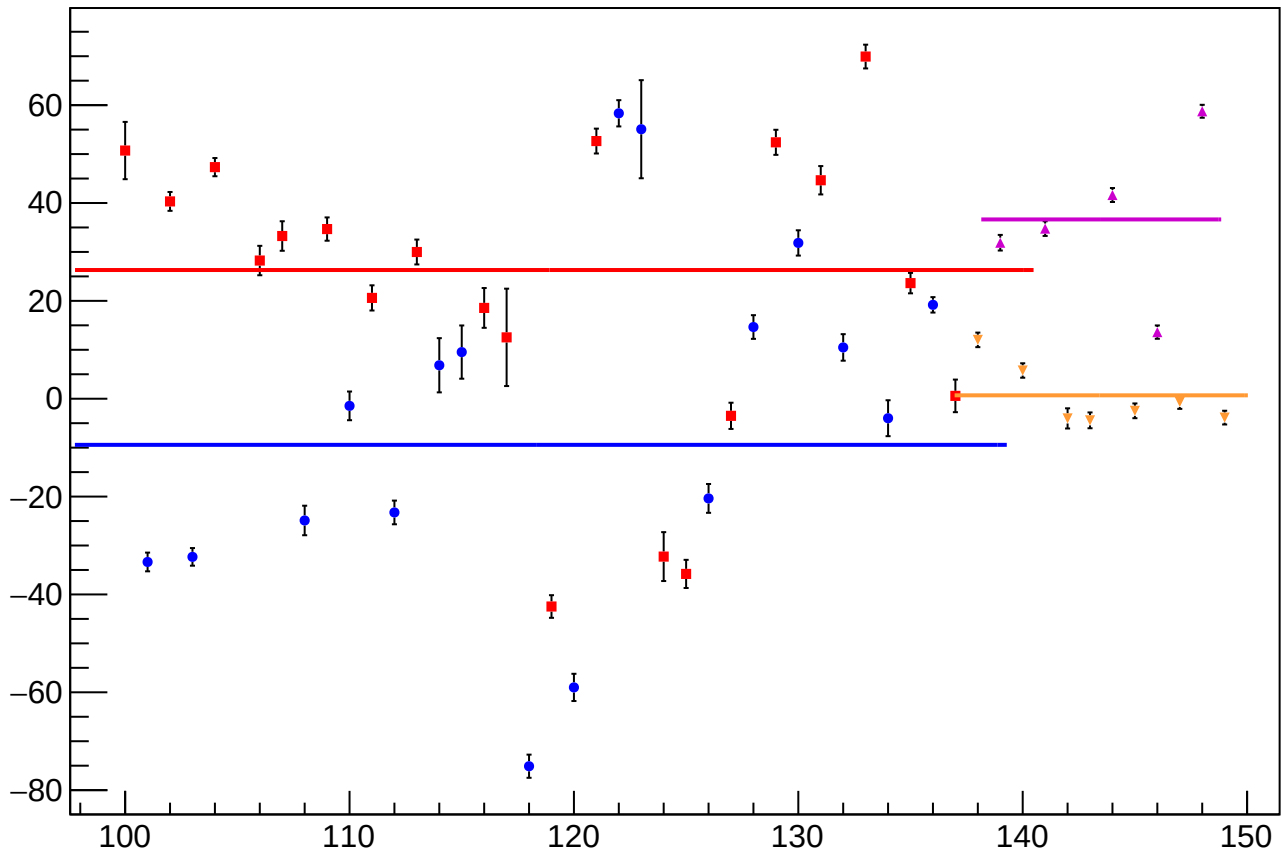
Right Out: 1544.983 ± 0.409 $\chi^2/\text{NDF}: 101624.6/19$

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

1583.595 ± 0.328 $\chi^2/\text{NDF}: 91775.8/23$

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: 0.694 ± 0.580 χ^2/NDF : 100.9/6

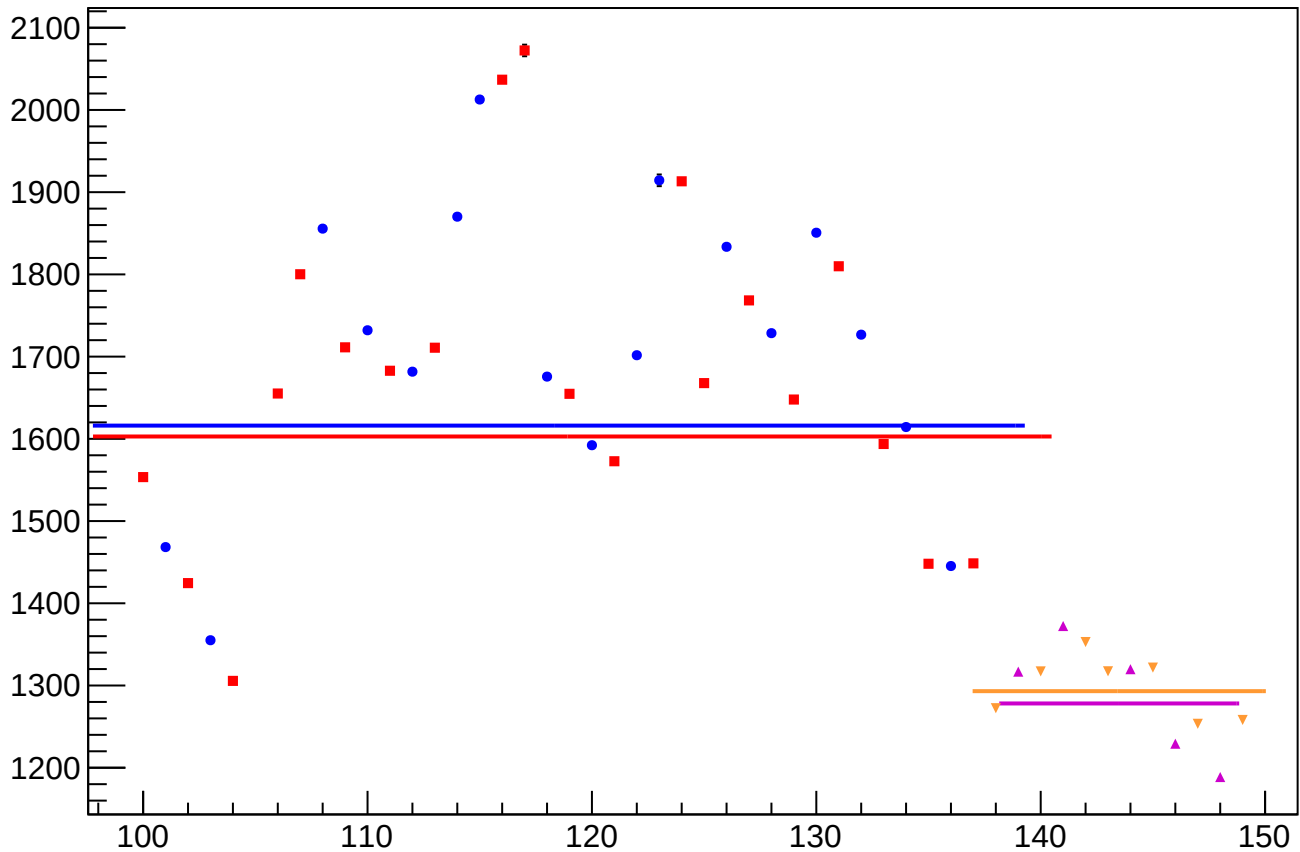
Right Out: 26.304 ± 0.602 χ^2/NDF : 2474.0/19

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

-3.976 ± 0.426 χ^2/NDF : 3165.6/23

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: 1293.128+/-0.410 χ^2/NDF : 6582.7/6

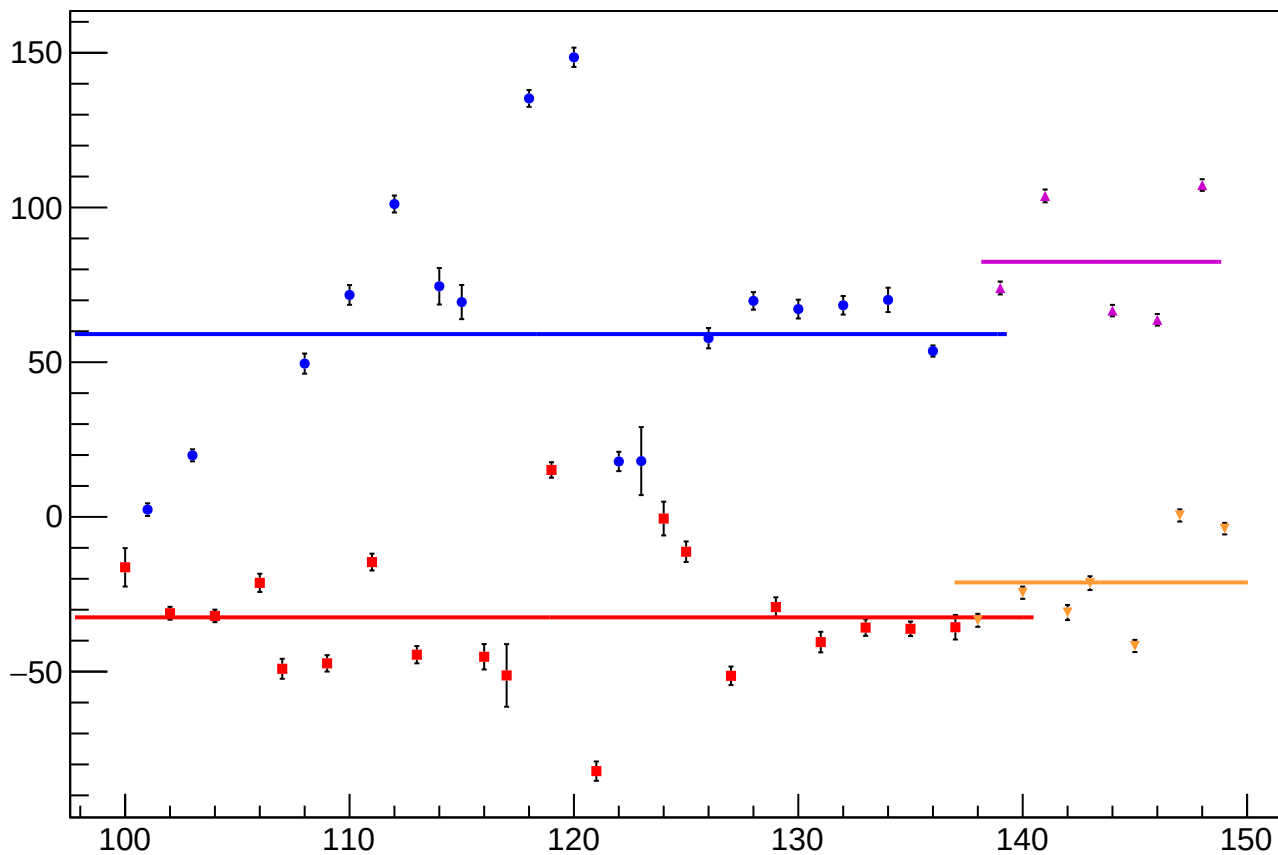
Right Out: 1602.857+/-0.425 χ^2/NDF : 158119.5/19

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

1442.138+/-0.301 χ^2/NDF : 442495.4/23

1450.579+/-0.310 χ^2/NDF : 453787.5/24

diff_bpm0i05X_mean vs Slug



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

Left Out: -21.183 $\pm$ 0.778 χ^2 /NDF:367.8/6

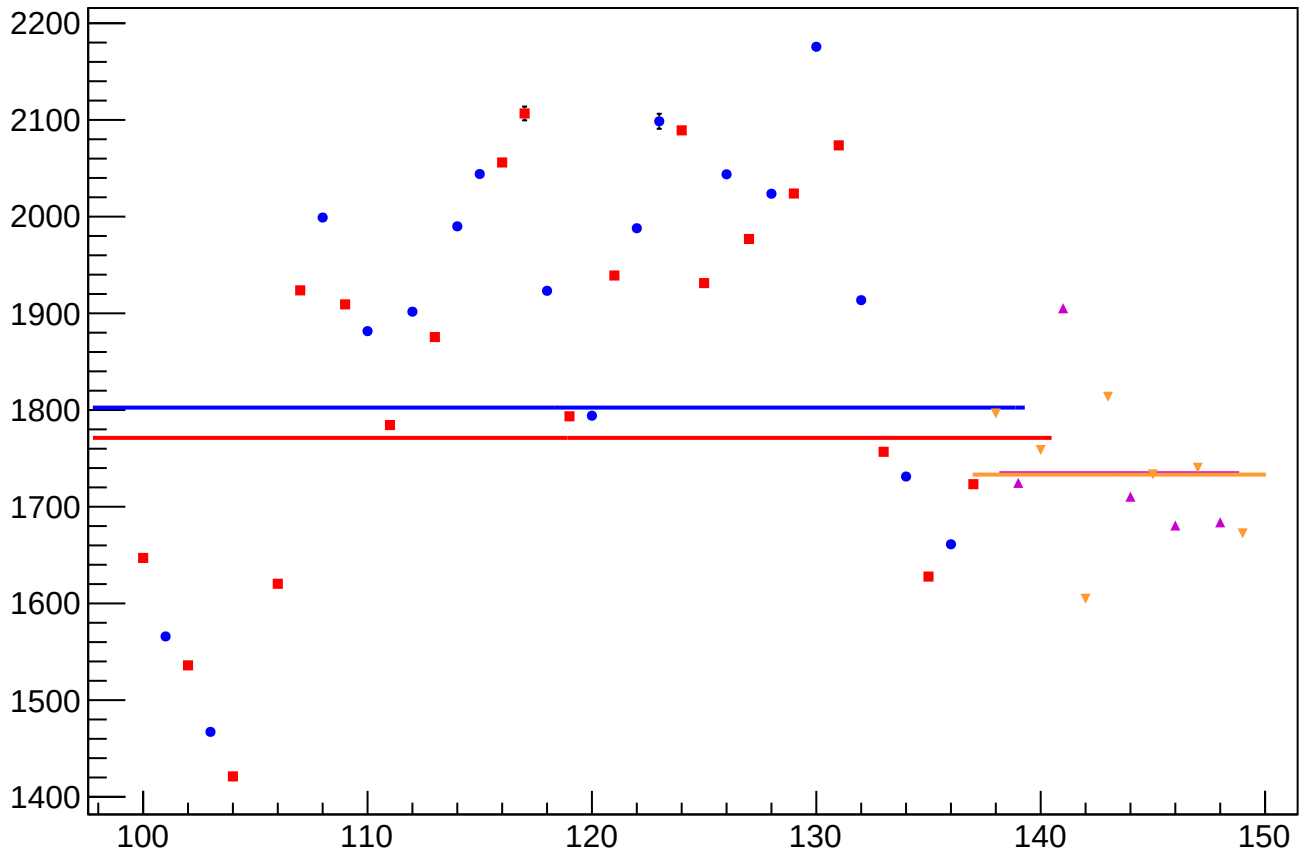
Right Out: -32.463 $\pm$ 0.665 χ^2 /NDF: 894.9/19

Left In: 82.447 $\pm$ 0.869 χ^2 /NDF:469.8/4

23.210 $\pm$ 0.520 χ^2 /NDF: 9546.5/23

9.968 $\pm$ 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: 1733.249+/-0.550 χ^2/NDF :12397.7/6

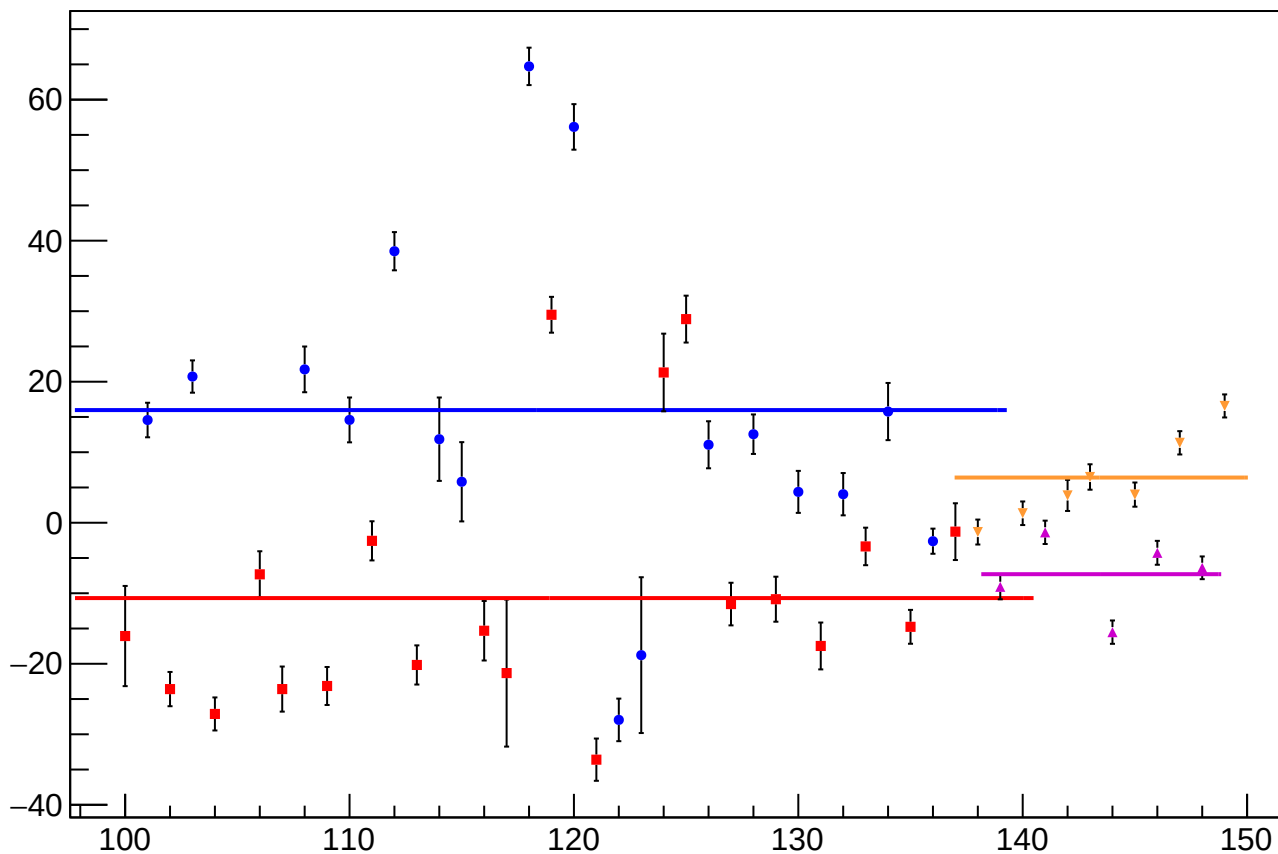
1771.563+/-0.368 χ^2/NDF : 205234.5/23

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

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

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

diff_bpm0i05Y_mean vs Slug



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

Left Out: 6.409+/-0.664 χ^2 /NDF: 79.0/6

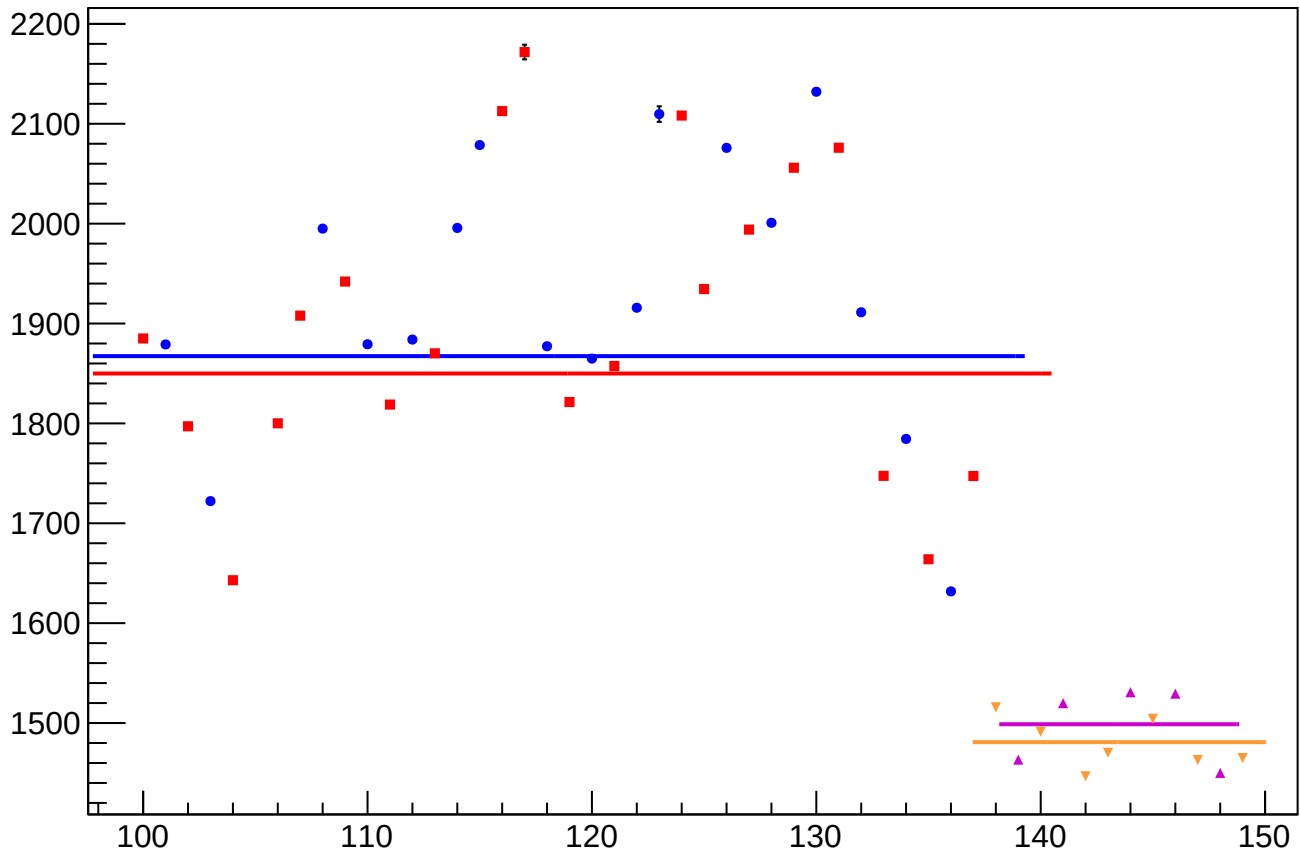
Right Out: -10.685+/-0.692 χ^2 /NDF: 643.2/19

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

10.793+/-0.488 χ^2 /NDF: 1112.6/23

-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: 1480.886 $\pm$ 0.469 χ^2 /NDF:2198.0/6

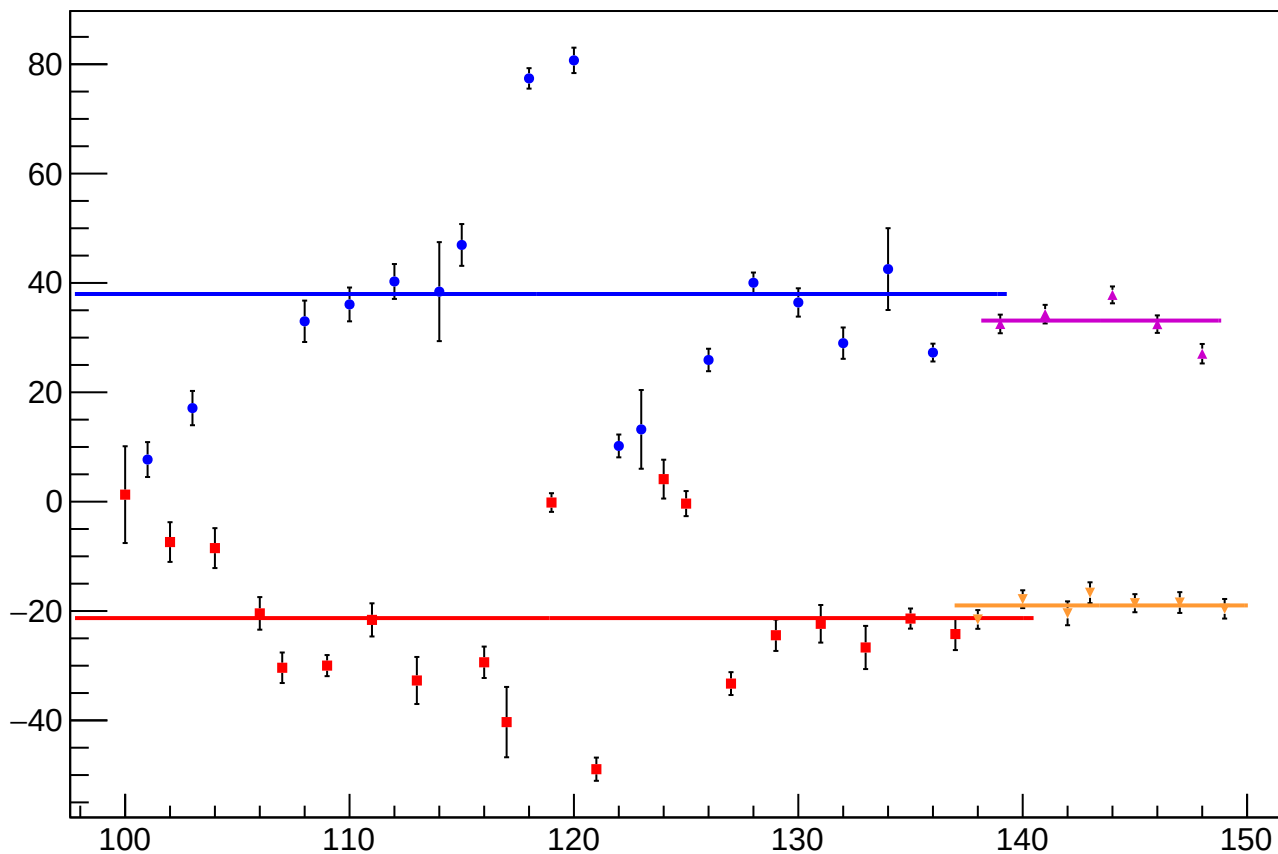
Right Out: 1849.954 $\pm$ 0.489 χ^2 /NDF: 74440.9/19

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

1657.966 $\pm$ 0.345 χ^2 /NDF: 393894.2/23

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: -18.979 ± 0.681 $\chi^2/\text{NDF}: 4.9/6$

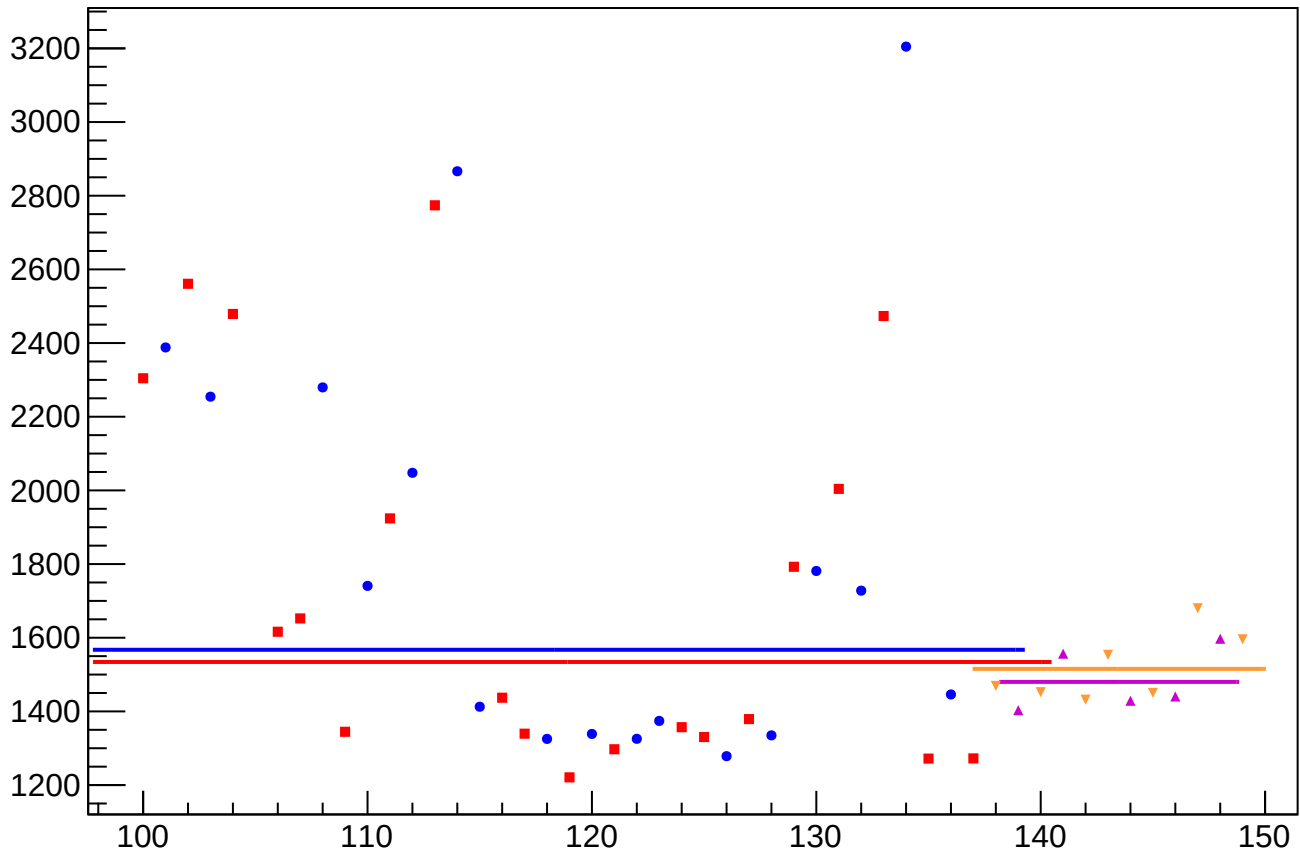
Right Out: -21.294 ± 0.606 $\chi^2/\text{NDF}: 582.5/19$

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

11.391 ± 0.465 $\chi^2/\text{NDF}: 4937.0/23$

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: 1515.485+/-0.482 χ^2 /NDF:30258.0/6

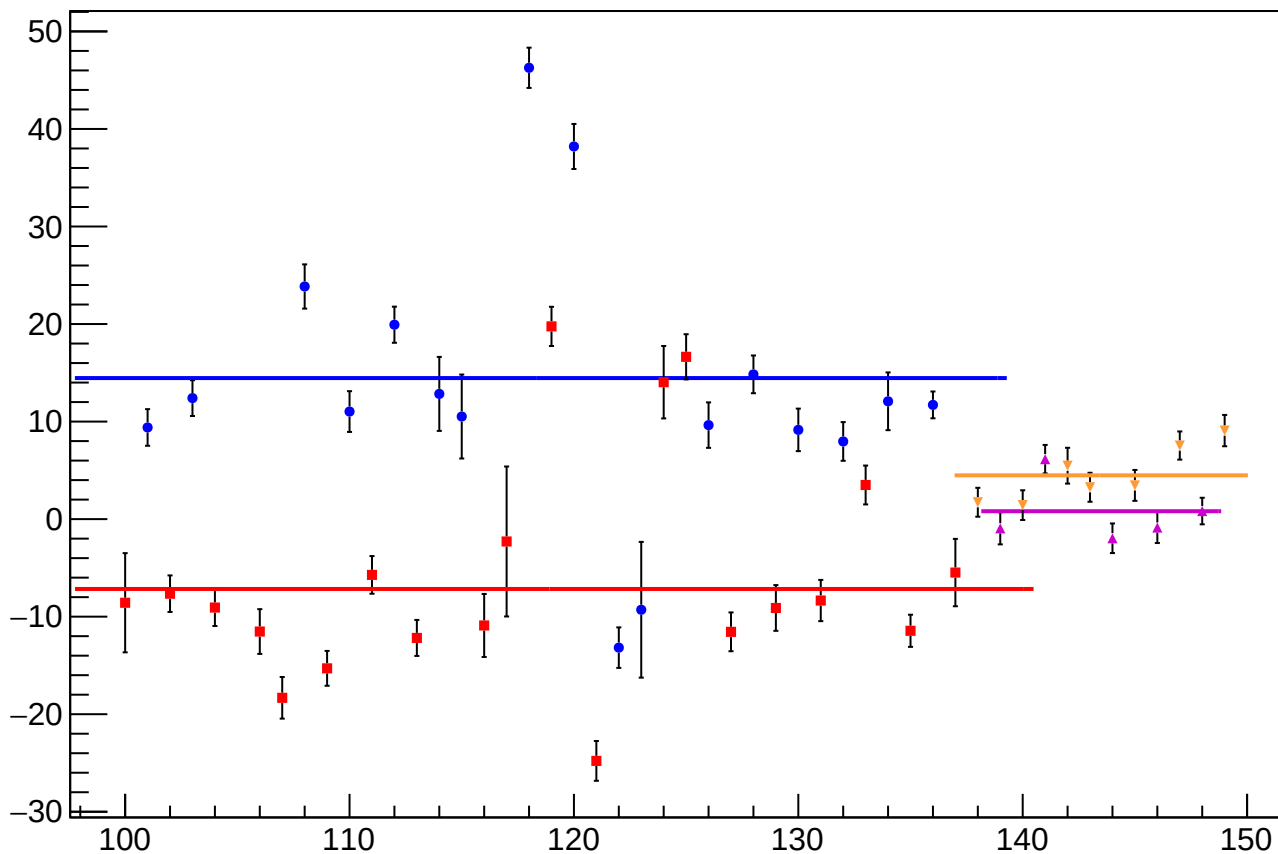
Right Out: 1534.225+/-0.428 χ^2 /NDF: 883947.6/19

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

1543.128+/-0.329 χ^2 /NDF: 709885.6/23

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: 4.488+/-0.587 χ^2 /NDF: 21.5/6

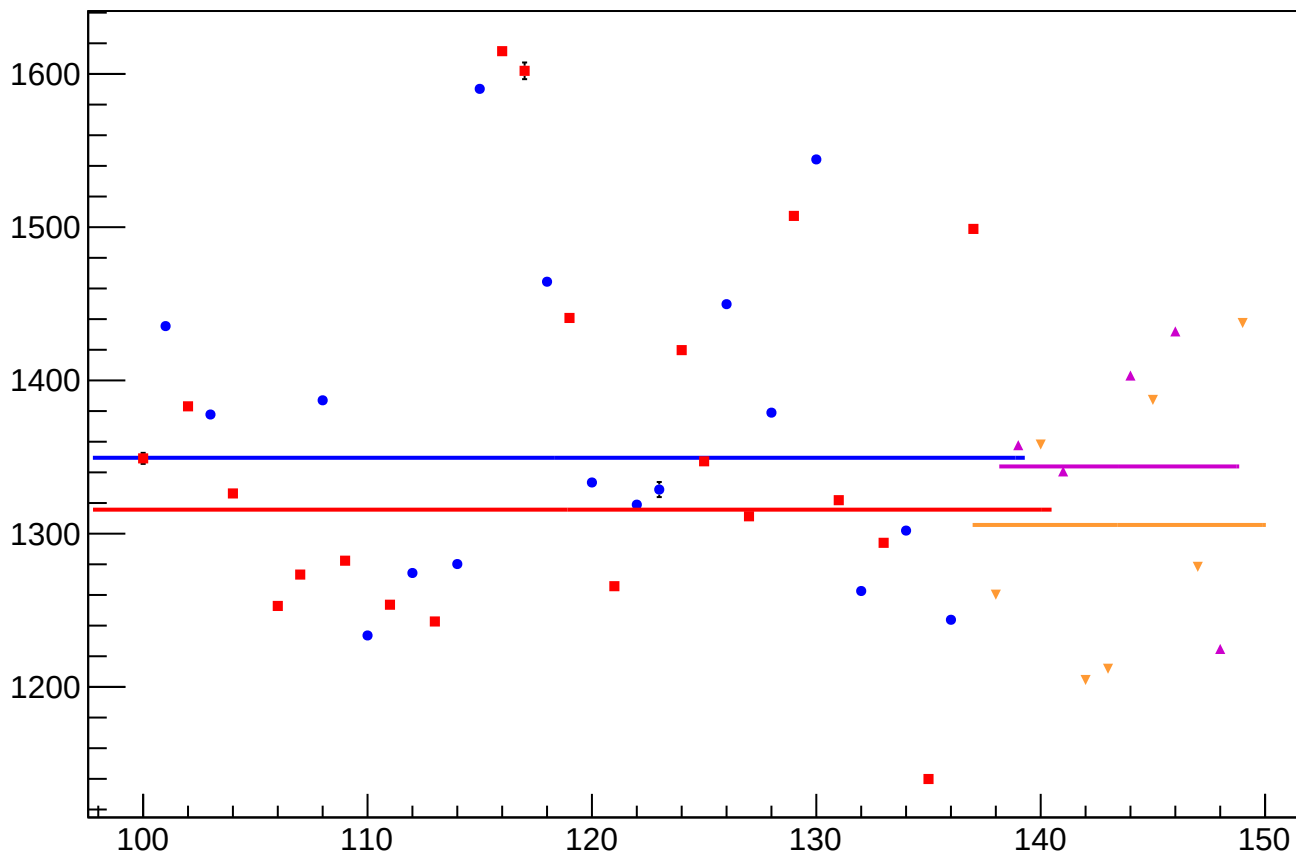
Right Out: -7.161+/-0.493 χ^2 /NDF: 496.1/19

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

10.047+/-0.391 χ^2 /NDF: 778.2/23

-4.375+/-0.398 χ^2 /NDF: 606.2/24

diff_bpm0i07Y_rms vs Slug



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

Left Out: 1305.689+/-0.415 χ^2/NDF : 37802.3/6

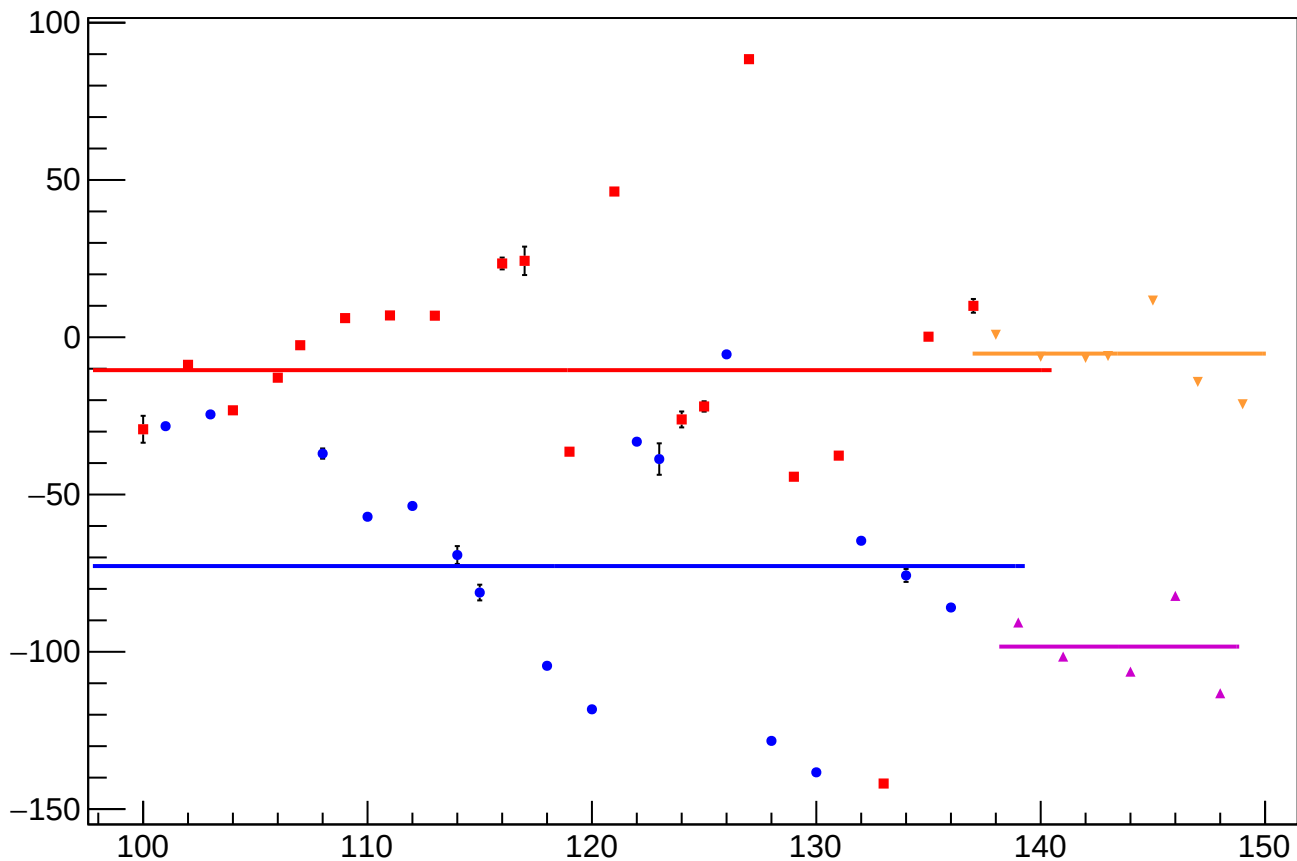
Right Out: 1315.669+/-0.349 χ^2/NDF : 83739.0/19

Left In: 1343.868+/-0.476 χ^2/NDF : 24655.9/4

1330.121+/-0.276 χ^2/NDF : 108682.8/23

1325.524+/-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: -5.197 ± 0.432 $\chi^2/\text{NDF}: 530.3/6$

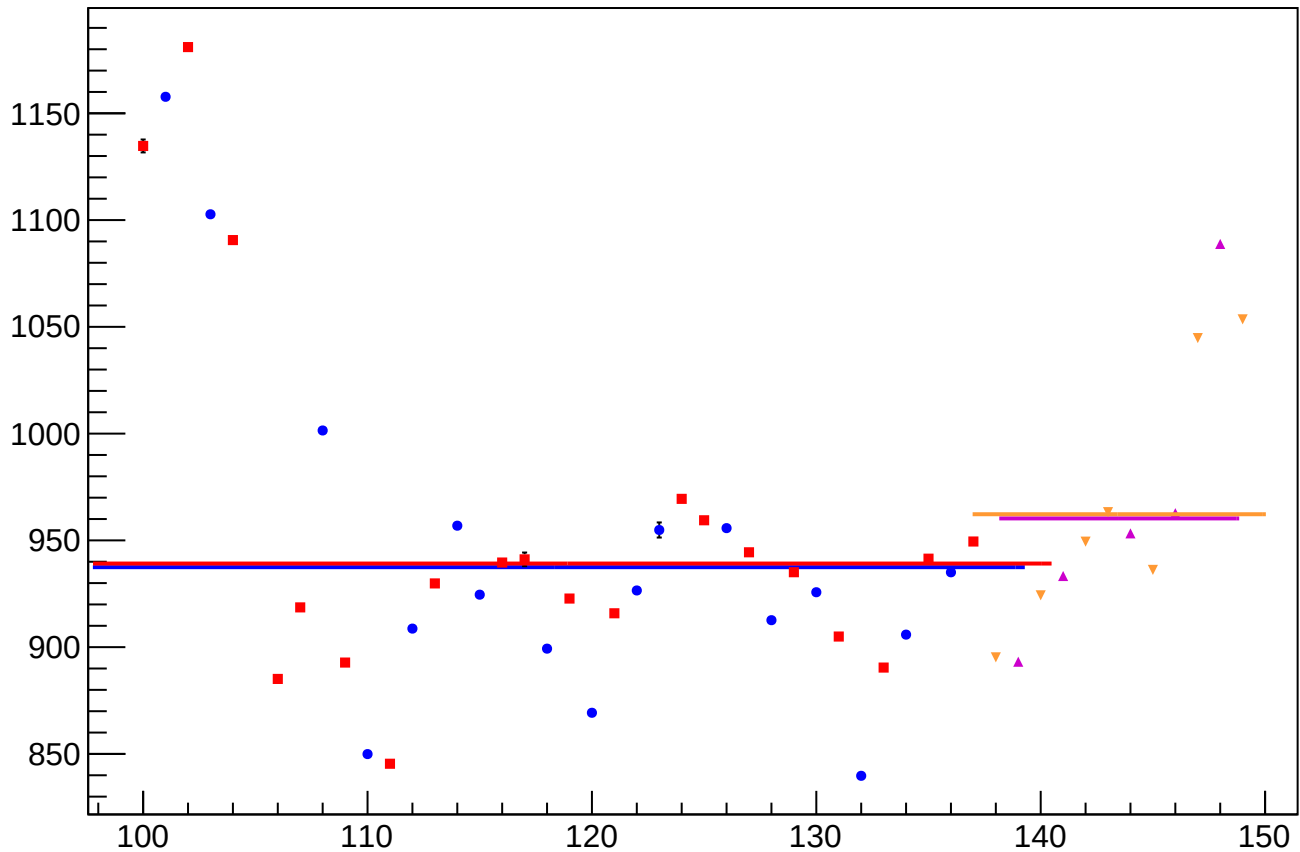
Right Out: -10.459 ± 0.351 $\chi^2/\text{NDF}: 18230.6/19$

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

-44.834 ± 0.278 $\chi^2/\text{NDF}: 26576.7/23$

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

diff_bpm1i02X_rms vs Slug



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

Left Out: 962.246 $\pm$ 0.305 χ^2 /NDF: 34088.1/6

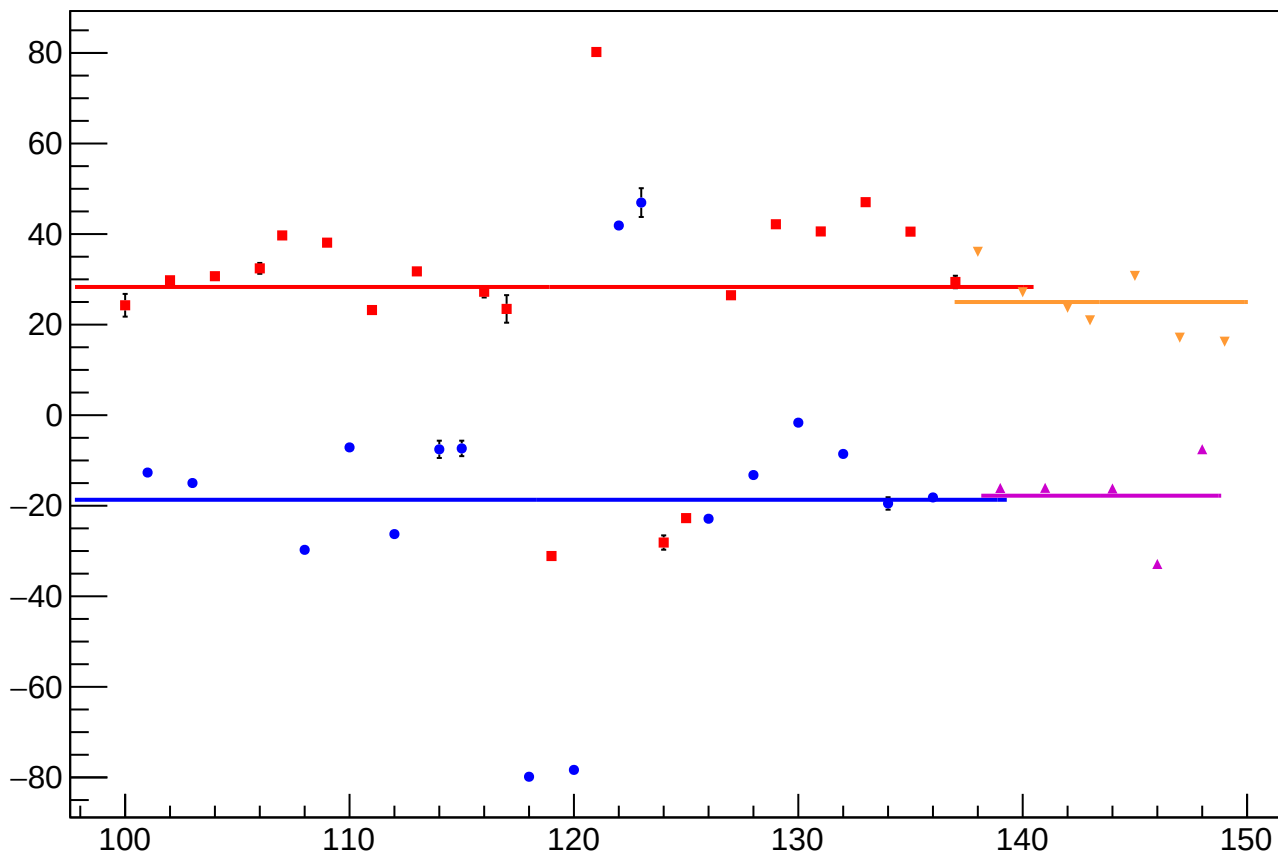
Right Out: 939.152 $\pm$ 0.248 χ^2 /NDF: 90253.6/19

Left In: 960.290 $\pm$ 0.340 χ^2 /NDF: 31788.5/4

947.697 $\pm$ 0.196 χ^2 /NDF: 136264.3/23

946.512 $\pm$ 0.201 χ^2 /NDF: 124564.1/24

diff_bpm1i02Y_mean vs Slug



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

Left Out: 24.995 ± 0.295 $\chi^2/\text{NDF}: 550.3/6$

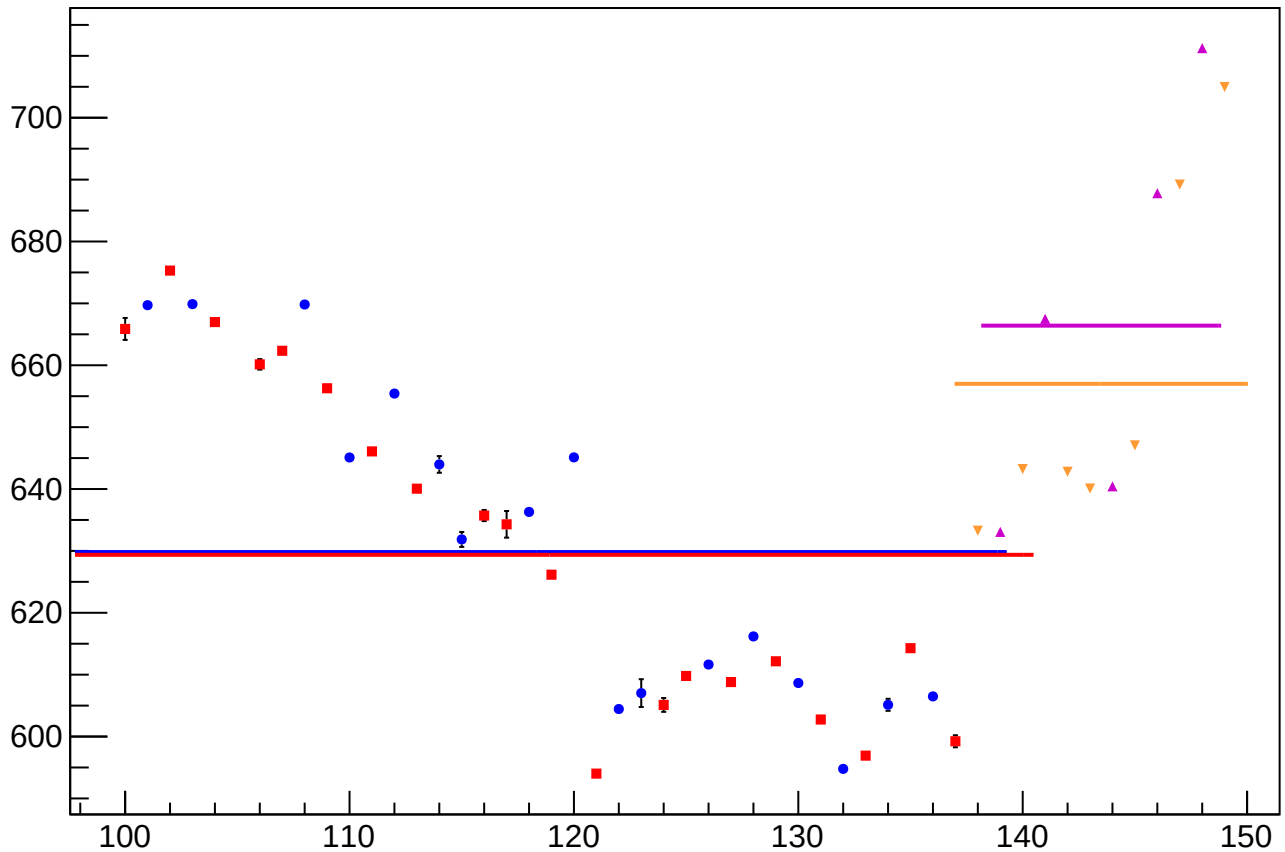
Right Out: 28.318 ± 0.235 $\chi^2/\text{NDF}: 12510.6/19$

Left In: -17.782 ± 0.333 $\chi^2/\text{NDF}: 577.4/4$

-1.021 ± 0.187 $\chi^2/\text{NDF}: 26657.7/23$

13.013 ± 0.192 $\chi^2/\text{NDF}: 25890.0/24$

diff_bpm1i02Y_rms vs Slug



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

Left Out: 657.000 ± 0.208 χ^2/NDF : 15364.4/6

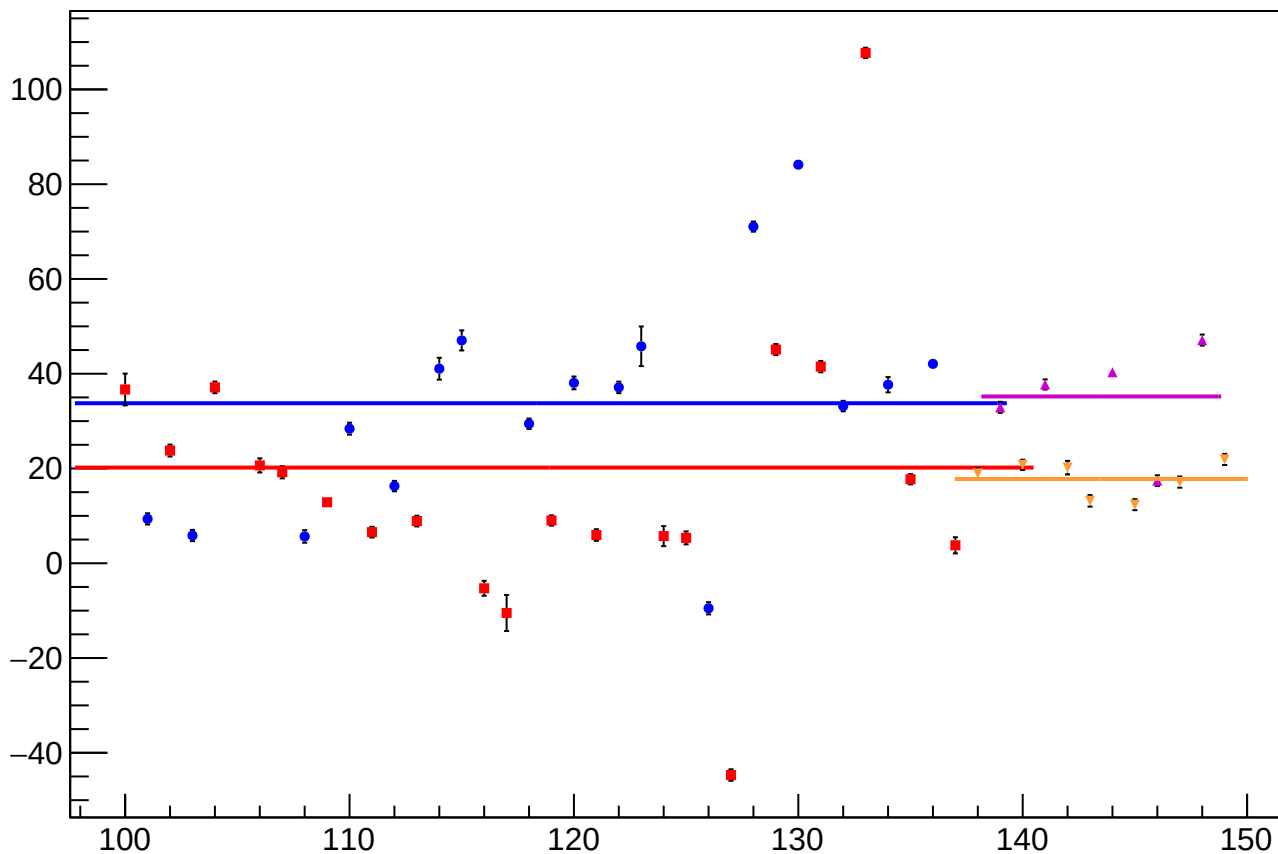
Right Out: 629.370 ± 0.166 χ^2/NDF : 25543.7/19

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

640.808 ± 0.132 χ^2/NDF : 48813.3/23

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: 17.792 $\pm$ 0.448 χ^2 /NDF: 60.1/6

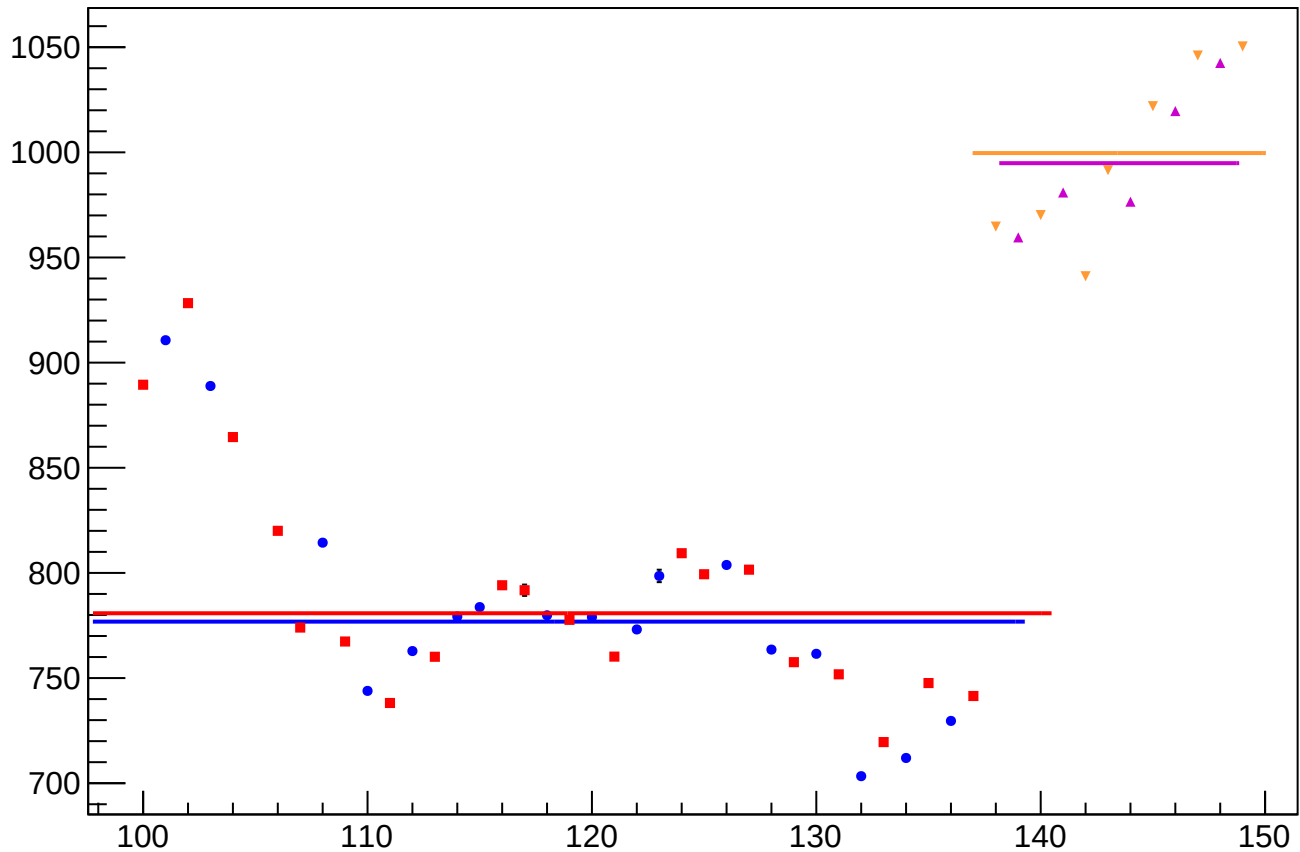
Right Out: 20.193 $\pm$ 0.292 χ^2 /NDF: 11353.3/19

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

28.831 $\pm$ 0.249 χ^2 /NDF: 7426.1/23

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: 999.656 $\pm$ 0.317 χ^2 /NDF:14381.4/6

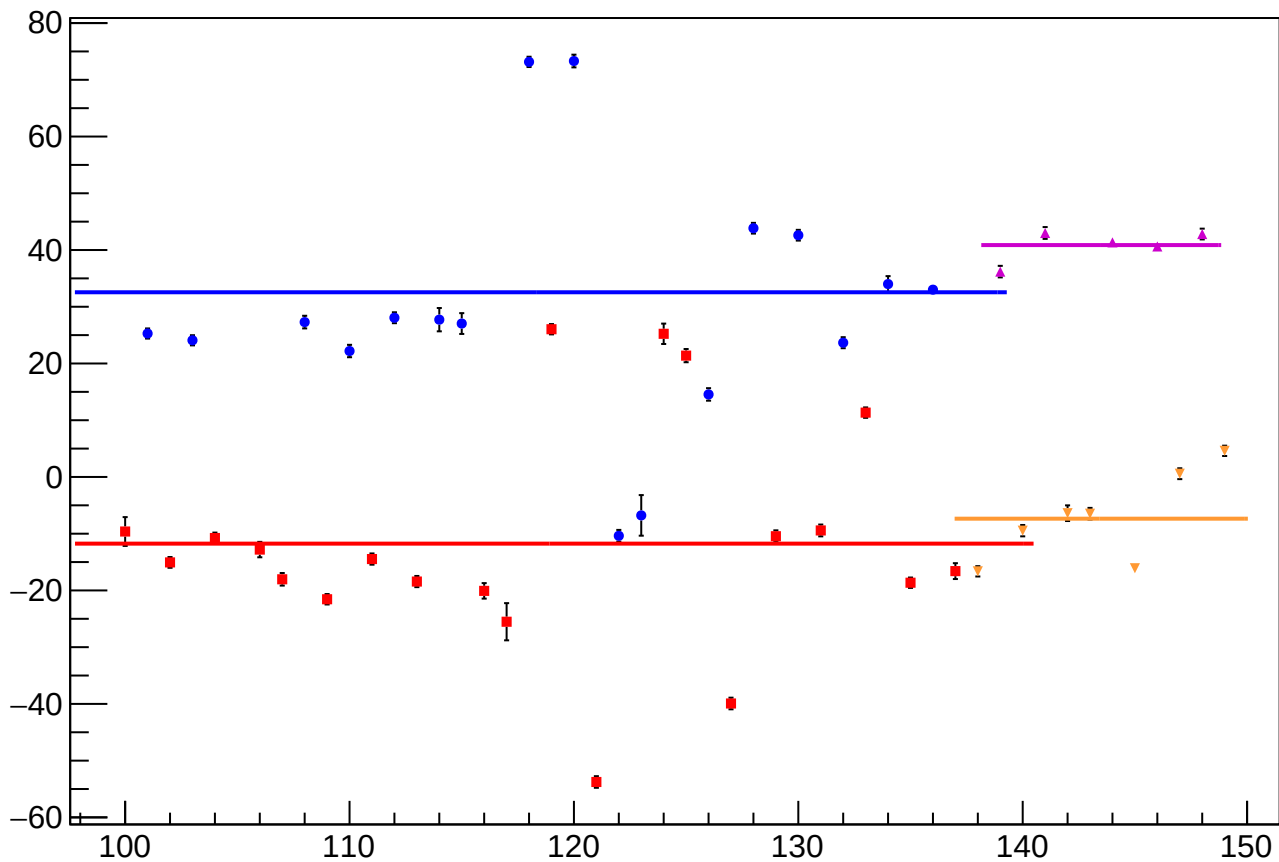
Right Out: 780.820 $\pm$ 0.206 χ^2 /NDF: 57445.6/19

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

845.745 $\pm$ 0.176 χ^2 /NDF: 423301.2/23

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: -7.353 ± 0.372 χ^2/NDF : 447.8/6

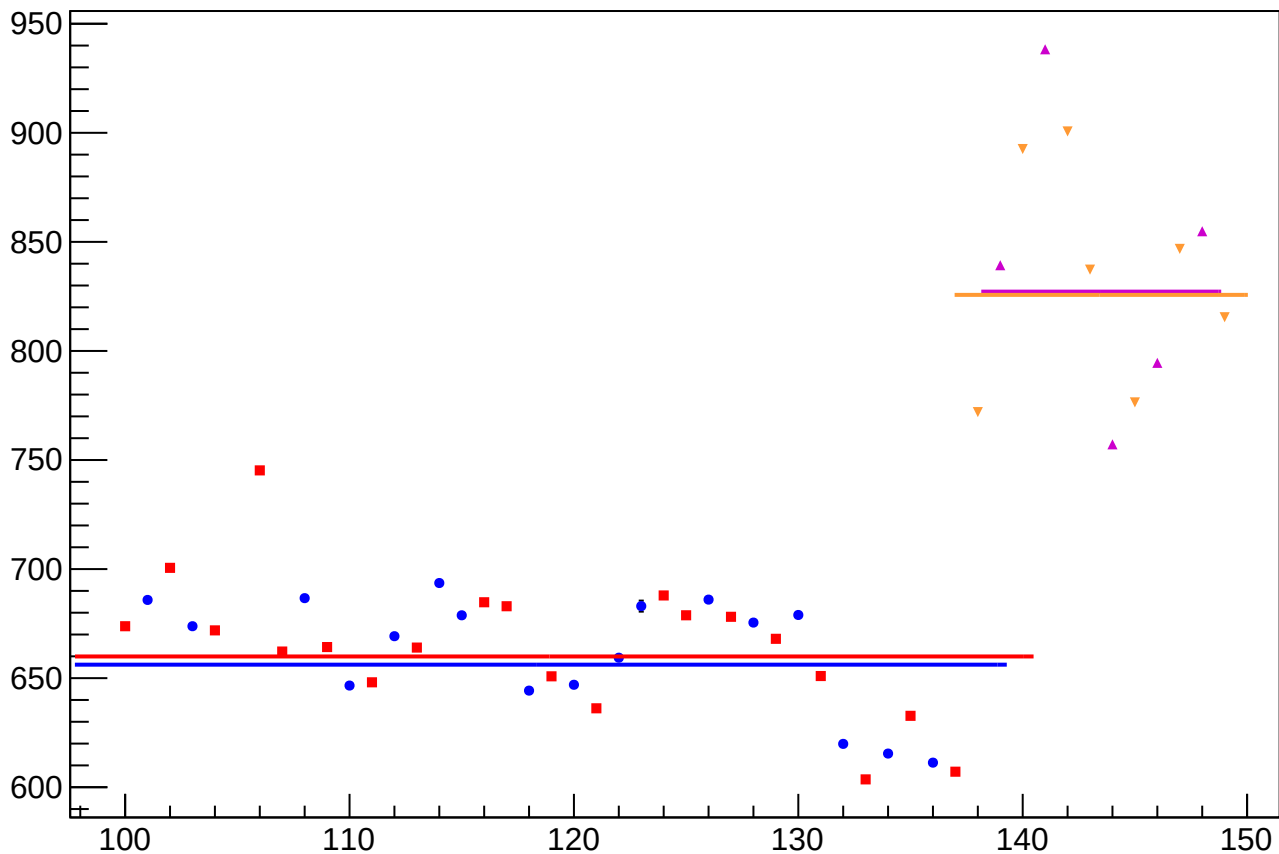
Right Out: -11.752 ± 0.246 χ^2/NDF : 6375.4/19

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

19.918 ± 0.209 χ^2/NDF : 14406.1/23

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: 825.707+/-0.263 χ^2/NDF : 29441.6/6

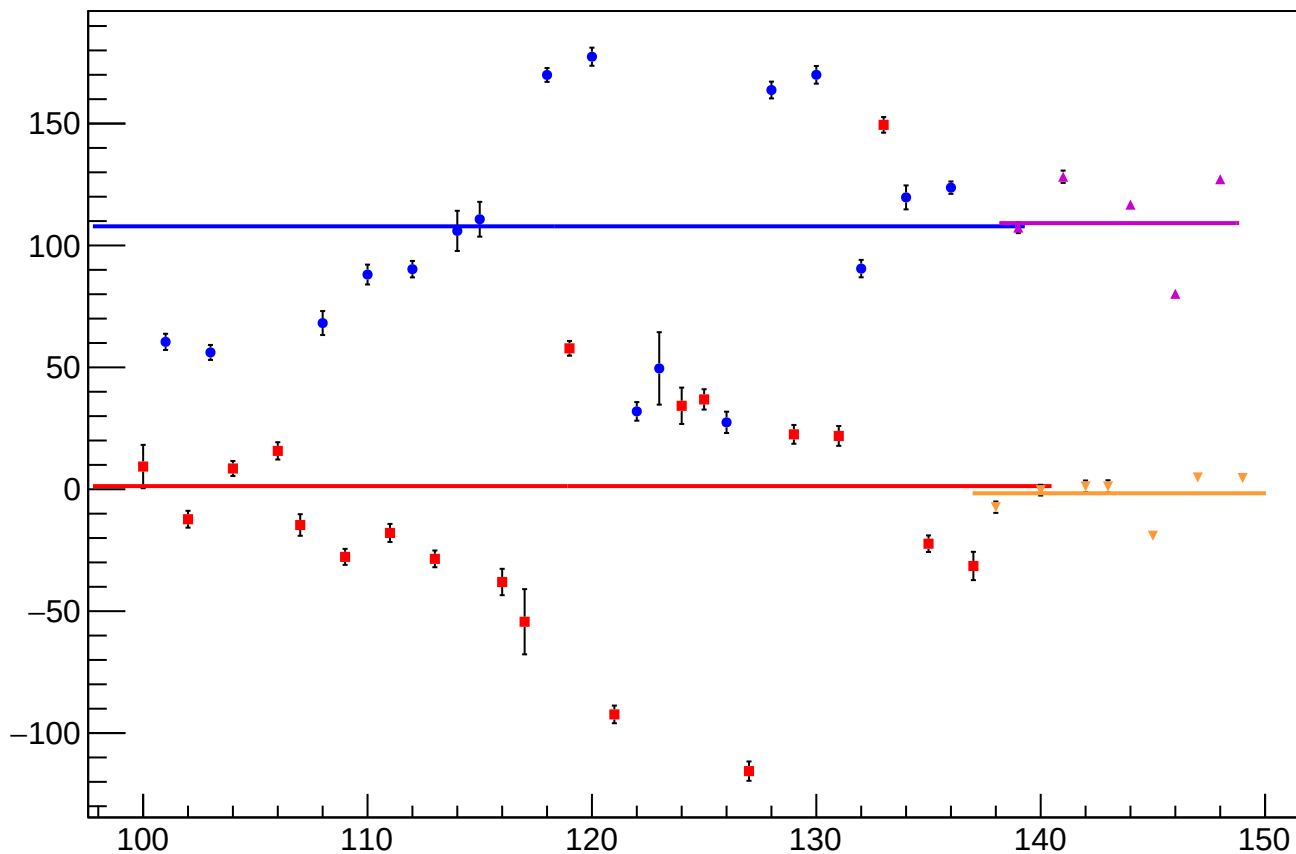
Right Out: 659.944+/-0.174 χ^2/NDF : 28425.0/19

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

709.854+/-0.148 χ^2/NDF : 337624.9/23

703.181+/-0.150 χ^2/NDF : 308652.2/24

diff_bpm1i06X_mean vs Slug



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

Left Out: -1.634 $\pm$ 0.788 χ^2 /NDF:109.1/6

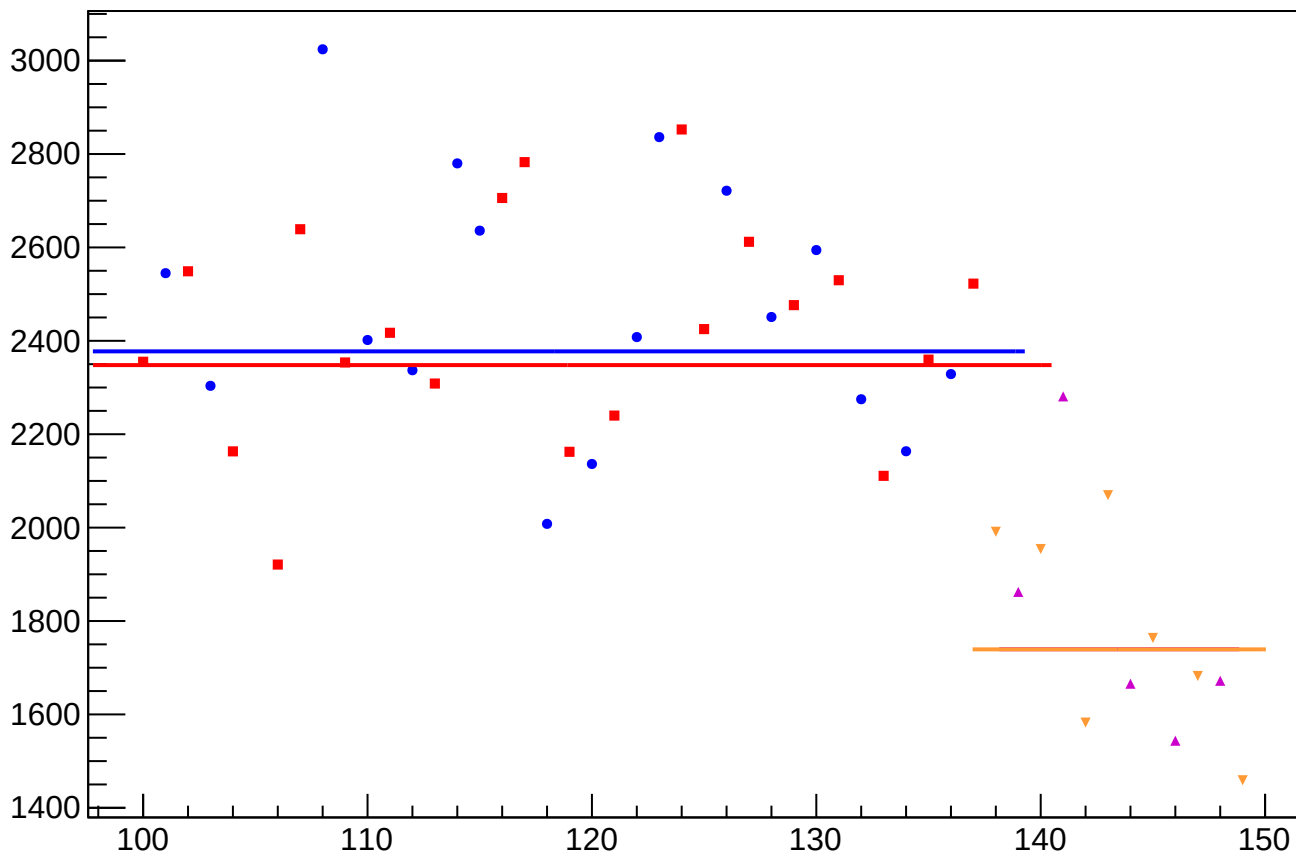
Right Out: 1.299 $\pm$ 0.881 χ^2 /NDF: 4541.1/19

Left In: 109.174 $\pm$ 0.887 χ^2 /NDF:450.8/4

44.633 $\pm$ 0.599 χ^2 /NDF: 11068.5/23

54.887 $\pm$ 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: 1739.281+/-0.557 χ^2/NDF : 145387.8/6

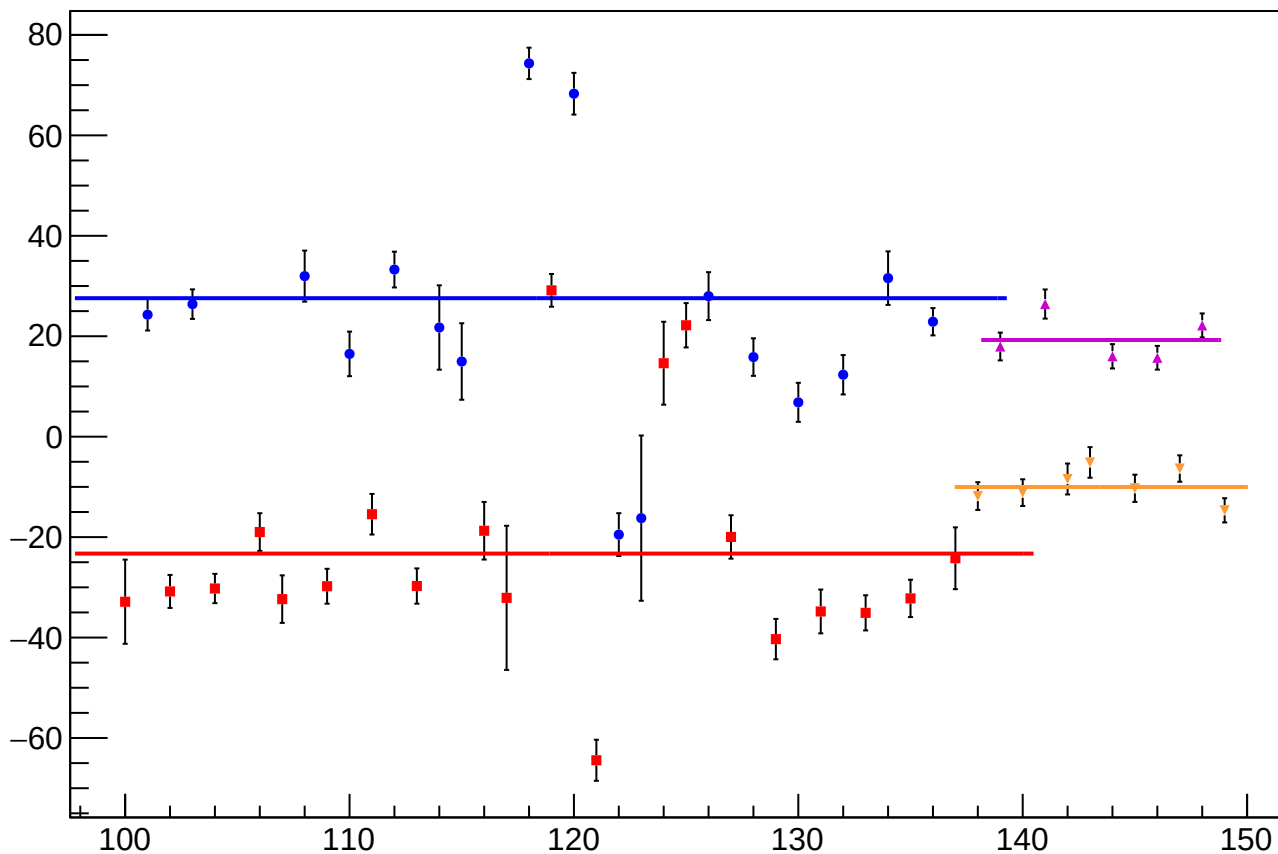
Right Out: 2348.017+/-0.623 χ^2/NDF : 110379.6/19

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

2008.948+/-0.424 χ^2/NDF : 818807.8/23

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: -10.022 ± 1.032 χ^2/NDF : 9.1/6

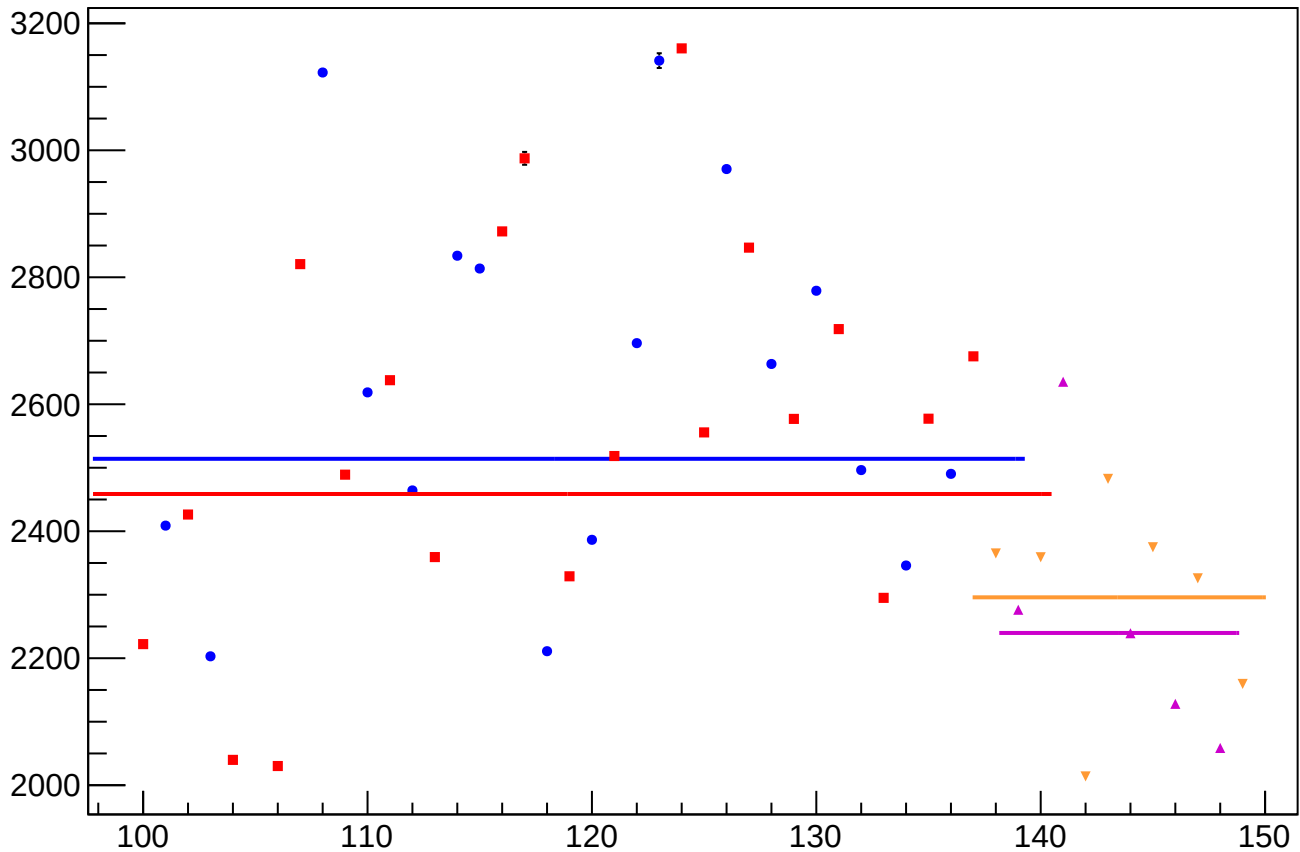
Right Out: -23.280 ± 0.925 χ^2/NDF : 558.2/19

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

9.857 ± 0.709 χ^2/NDF : 1229.8/23

-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: 2295.900+/-0.730 χ^2/NDF : 35018.2/6

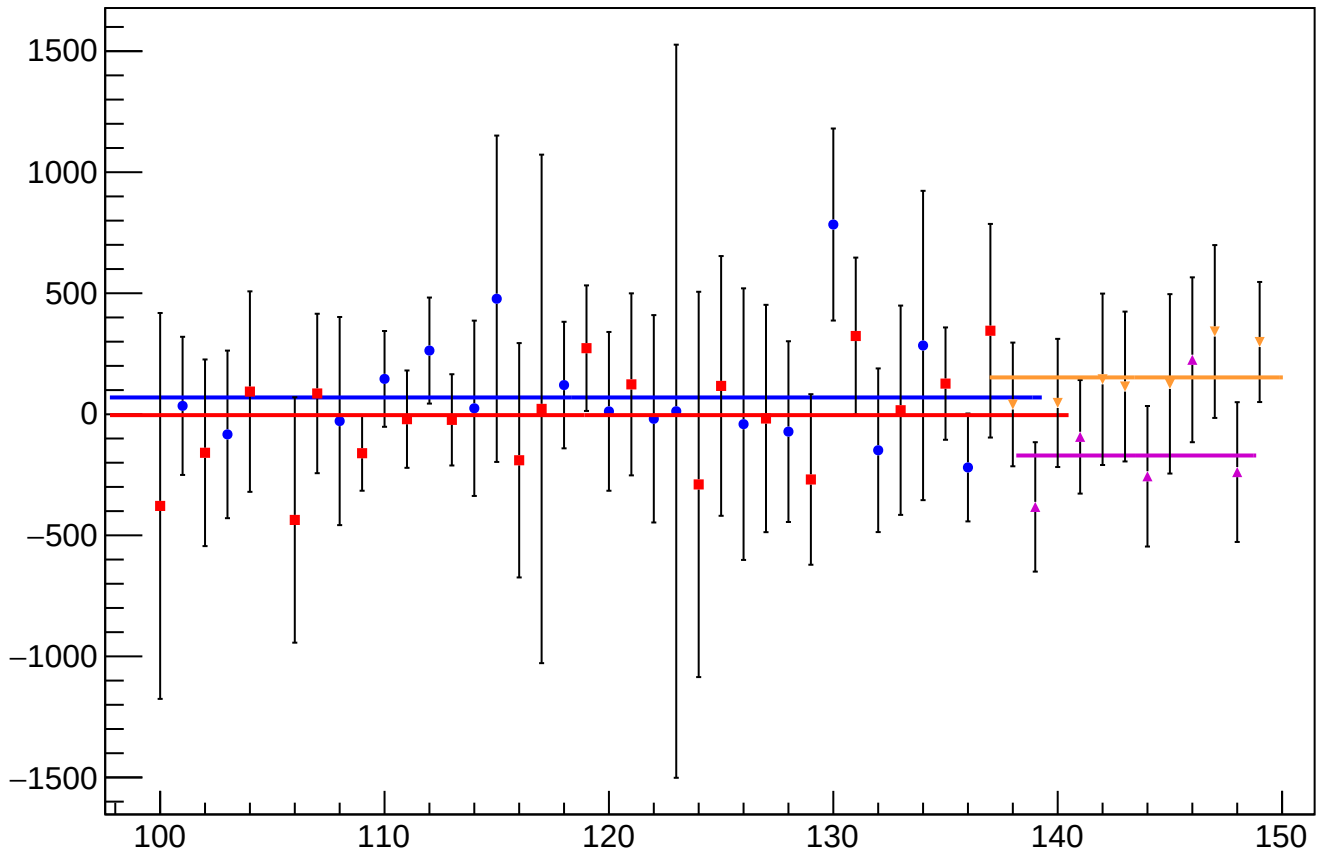
Right Out: 2458.665+/-0.654 χ^2/NDF : 152458.1/19

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

2411.257+/-0.501 χ^2/NDF : 203206.0/23

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: 152.371 ± 112.231 χ^2/NDF : 1.0/6

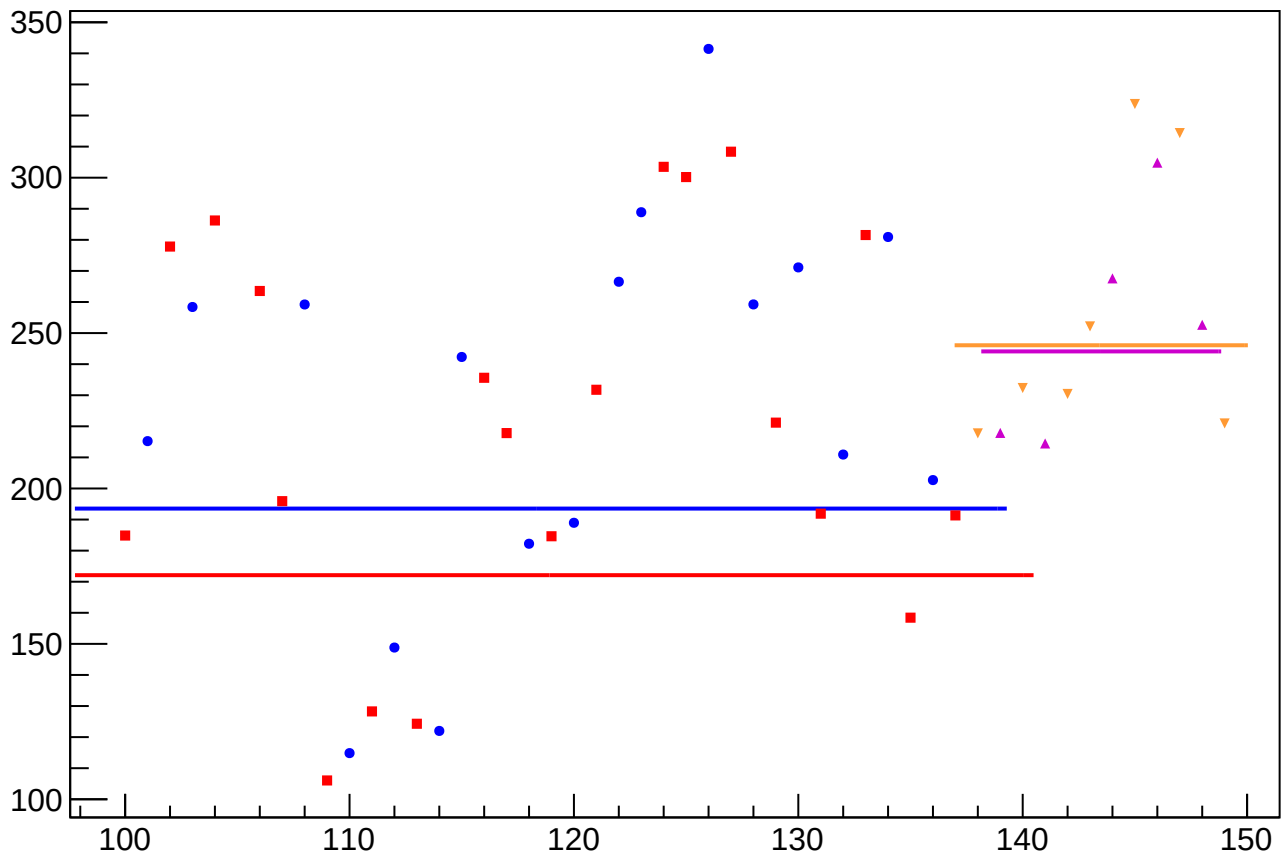
Right Out: -3.448 ± 69.825 χ^2/NDF : 6.4/19

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

97.026 ± 64.613 χ^2/NDF : 8.7/23

-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: 246.079+/-0.079 χ^2/NDF : 216194.2/6

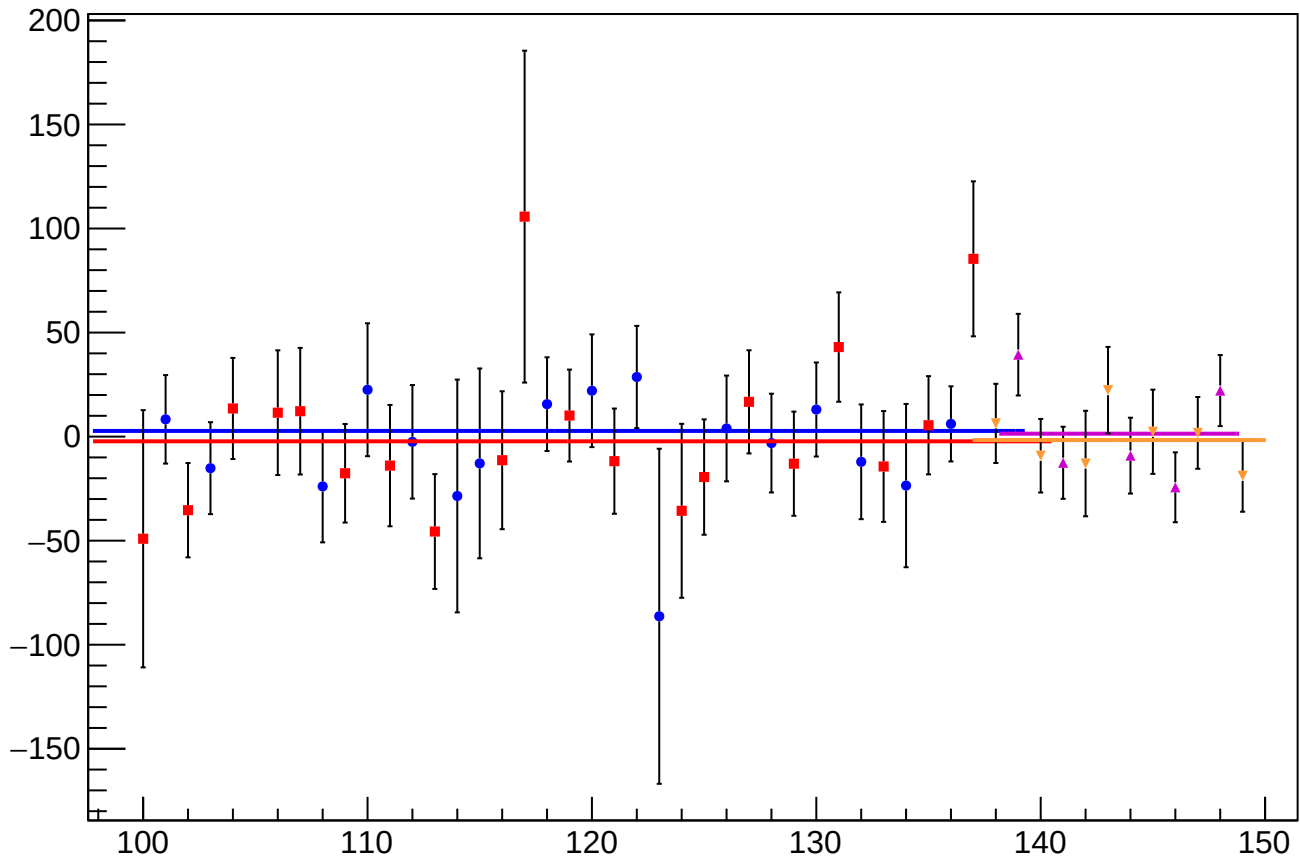
Right Out: 172.104+/-0.049 χ^2/NDF : 1580690.9/19

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

210.950+/-0.046 χ^2/NDF : 1519726.6/23

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 $\pm$ 6.424 χ^2 /NDF: 6.8/16

Left Out: -1.668 $\pm$ 7.255 χ^2 /NDF:3.0/6

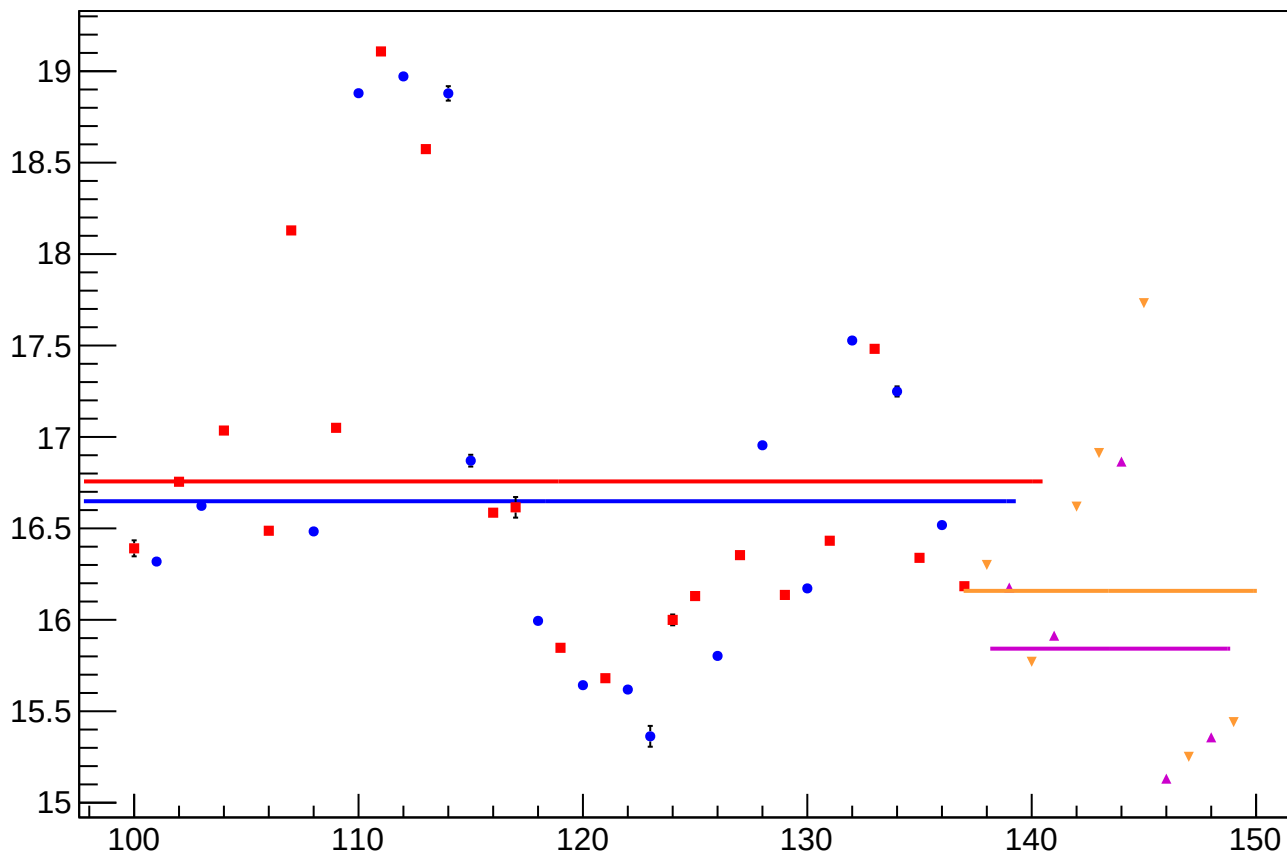
Right Out: -2.259 $\pm$ 6.259 χ^2 /NDF: 19.6/19

Left In: 1.407 $\pm$ 7.927 χ^2 /NDF:8.6/4

0.799 $\pm$ 4.810 χ^2 /NDF: 9.9/23

-0.851 $\pm$ 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: 16.158 $\pm$ 0.005 χ^2 /NDF: 25450.2/6

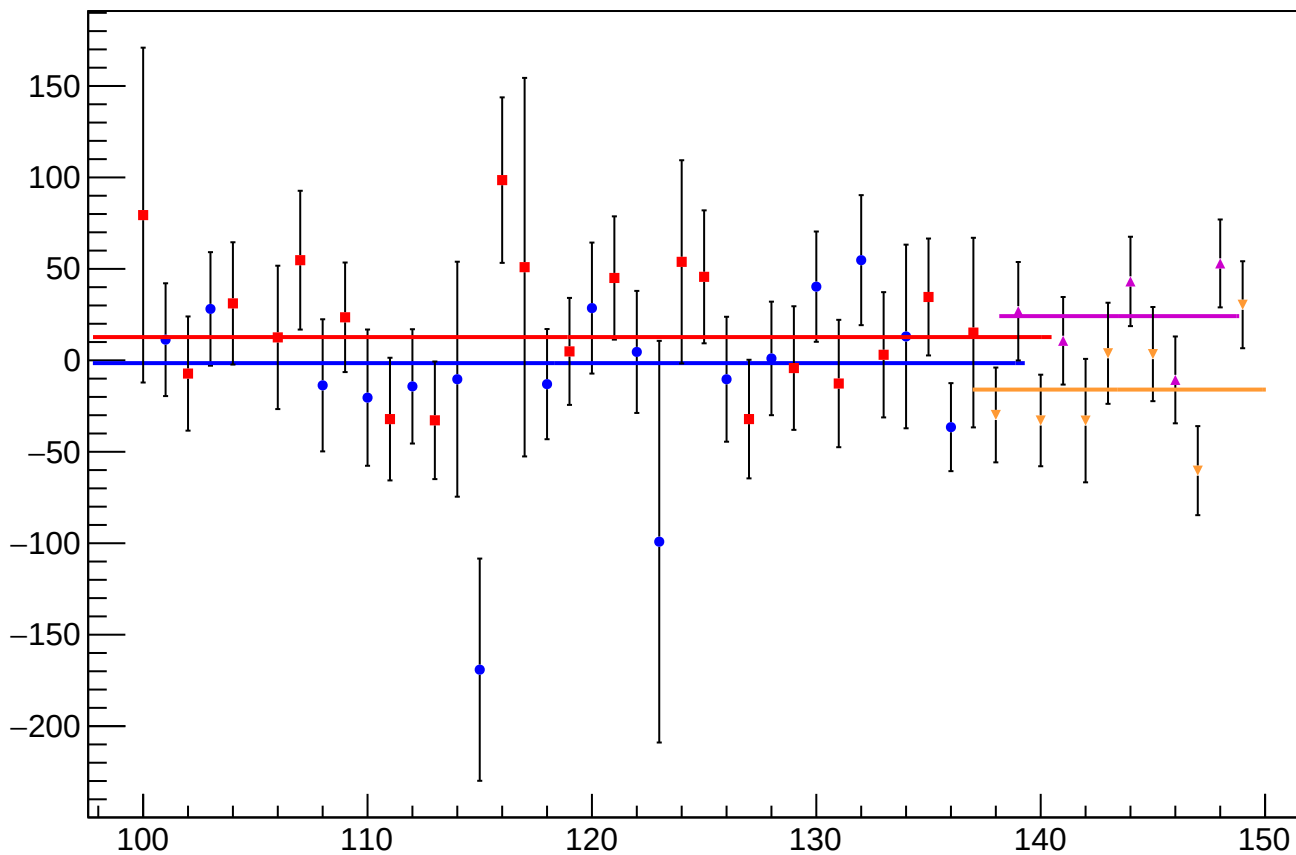
Right Out: 16.757 $\pm$ 0.004 χ^2 /NDF: 39957.1/19

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

16.433 $\pm$ 0.003 χ^2 /NDF: 73134.1/23

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 ± 8.485 χ^2/NDF : 17.6/16

Left Out: -15.987 ± 9.883 χ^2/NDF : 9.2/6

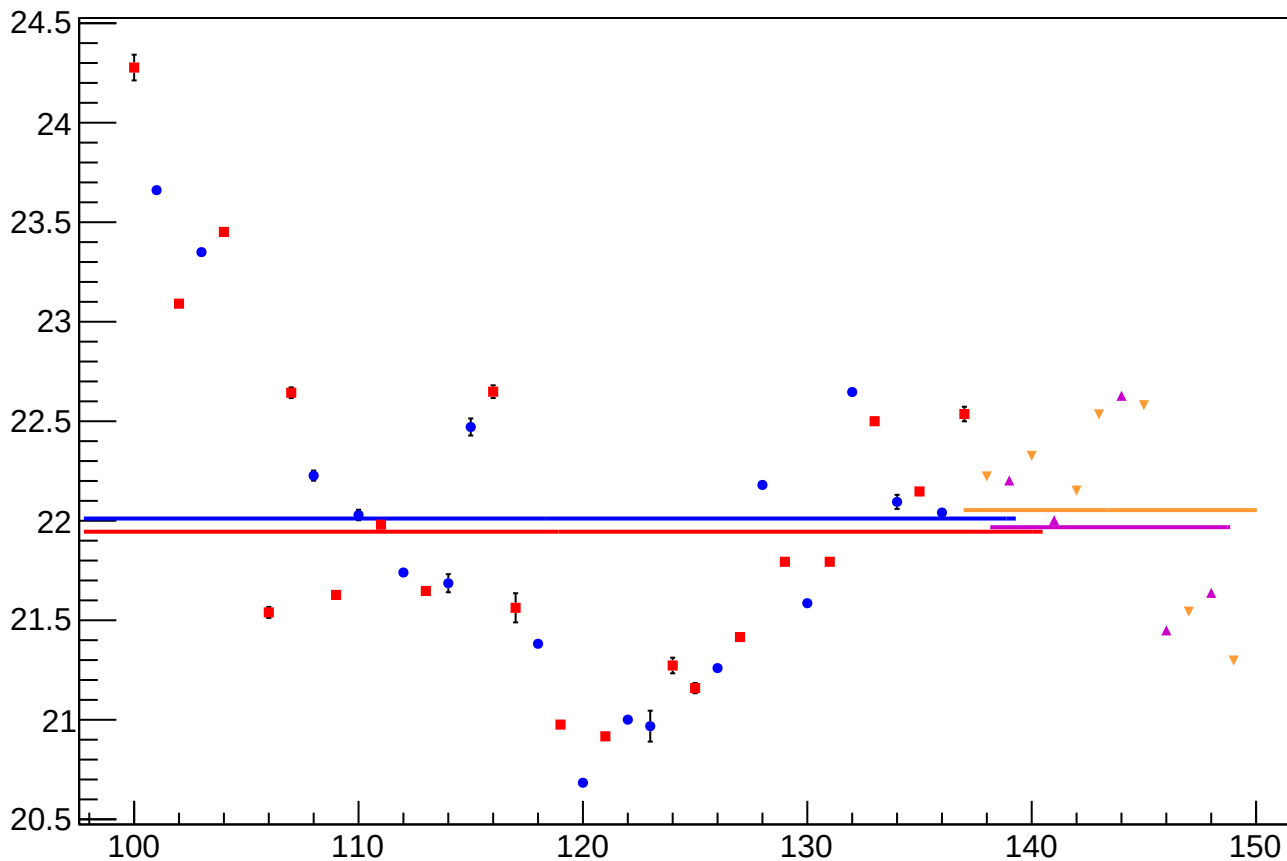
Right Out: 12.716 ± 8.185 χ^2/NDF : 15.7/19

Left In: 24.175 ± 10.972 χ^2/NDF : 4.5/4

-7.661 ± 6.438 χ^2/NDF : 28.1/23

16.812 ± 6.561 χ^2/NDF : 21.0/24

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



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

Left Out: 22.054 $\pm$ 0.007 χ^2 /NDF:4681.9/6

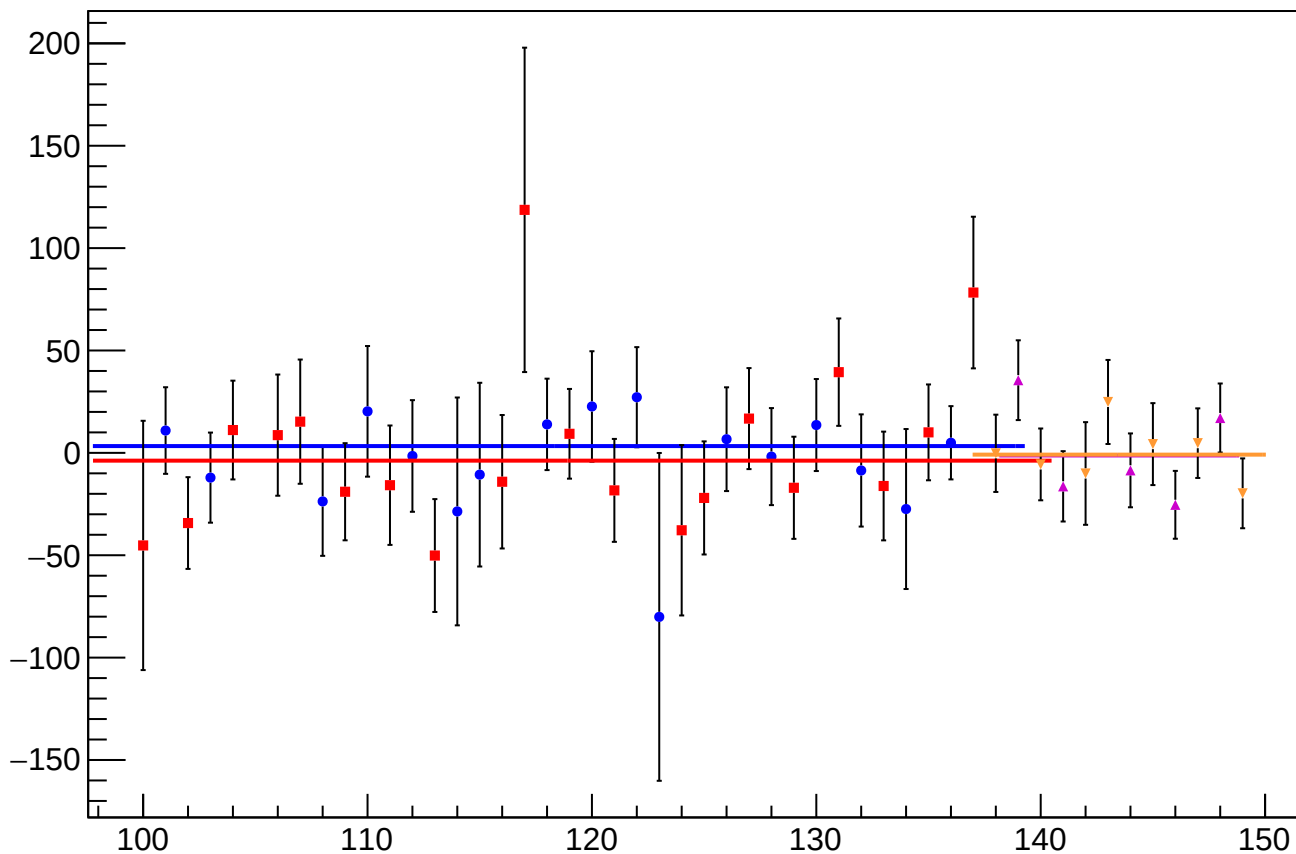
Right Out: 21.945 $\pm$ 0.006 χ^2 /NDF: 16620.2/19

Left In: 21.968 $\pm$ 0.008 χ^2 /NDF:2947.5/4

22.029 $\pm$ 0.005 χ^2 /NDF: 22250.0/23

21.953 $\pm$ 0.005 χ^2 /NDF: 19573.2/24

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.317 $\pm$ 6.388 χ^2 /NDF: 6.3/16

Left Out: -0.864 $\pm$ 7.176 χ^2 /NDF: 3.2/6

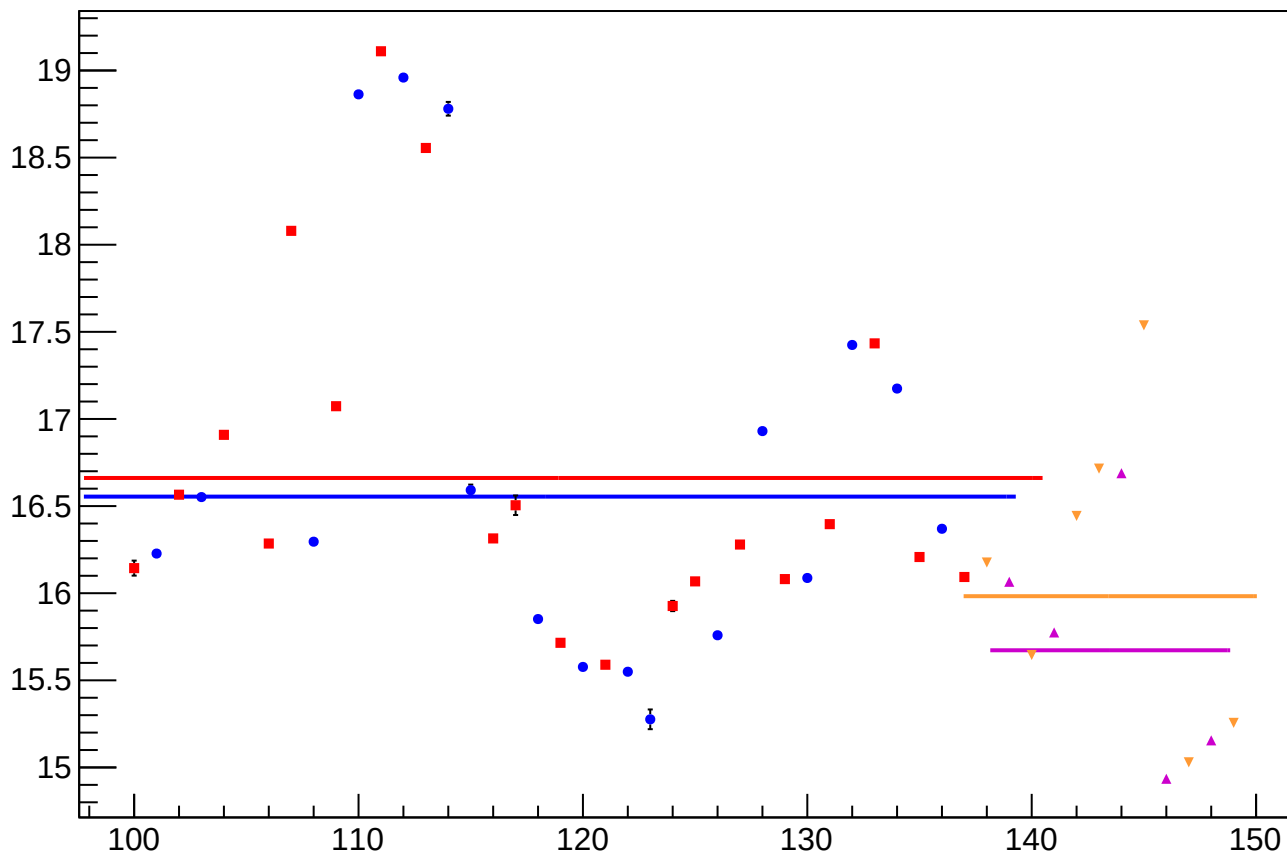
Right Out: -3.800 $\pm$ 6.224 χ^2 /NDF: 20.1/19

Left In: -1.270 $\pm$ 7.842 χ^2 /NDF: 7.8/4

1.468 $\pm$ 4.772 χ^2 /NDF: 9.6/23

-2.822 $\pm$ 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 $\pm$ 0.005 χ^2 /NDF: 44475.2/16

Left Out: 15.983 $\pm$ 0.005 χ^2 /NDF: 26163.5/6

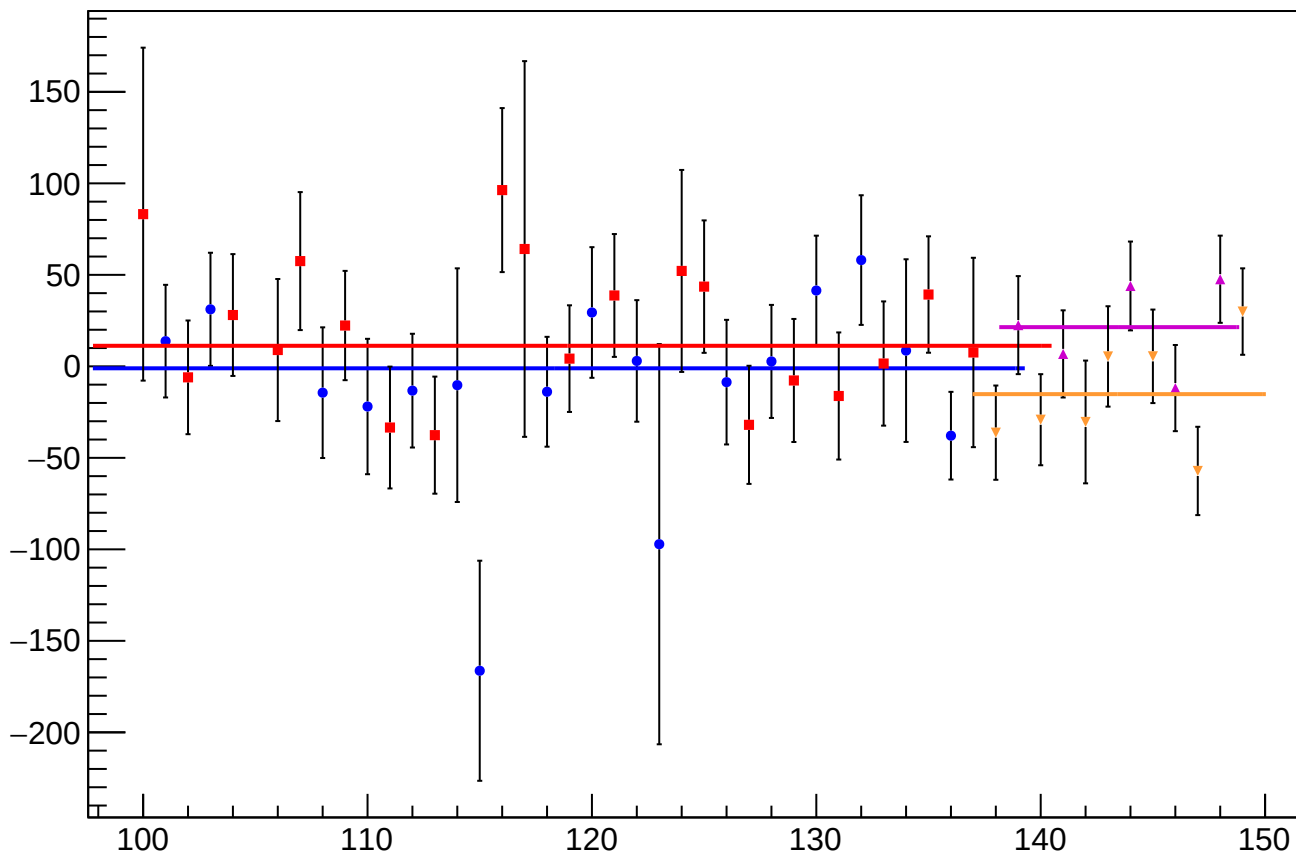
Right Out: 16.661 $\pm$ 0.004 χ^2 /NDF: 43071.4/19

Left In: 15.672 $\pm$ 0.006 χ^2 /NDF: 13076.6/4

16.302 $\pm$ 0.003 χ^2 /NDF: 77715.5/23

16.279 $\pm$ 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: -15.185 ± 9.815 χ^2/NDF : 9.1/6

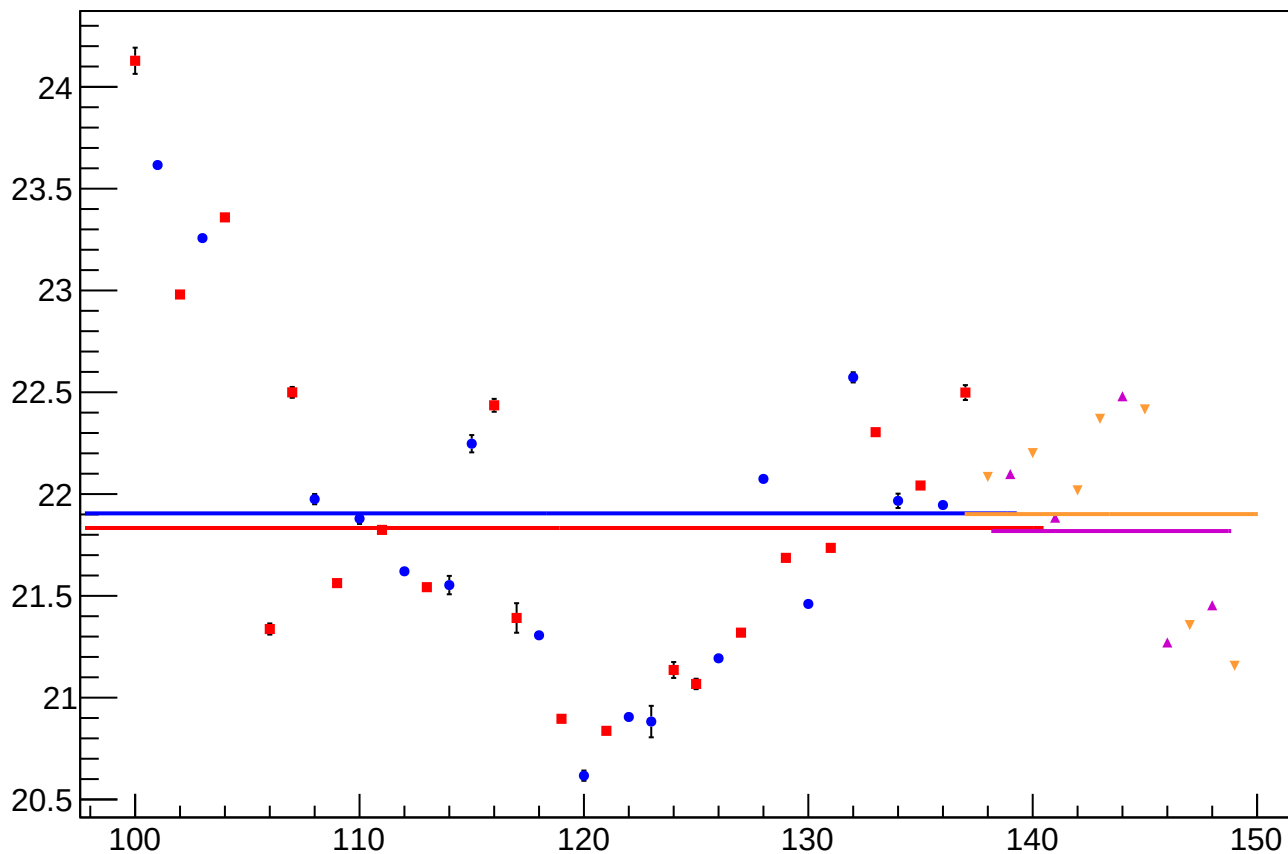
Right Out: 11.235 ± 8.143 χ^2/NDF : 16.5/19

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

-7.073 ± 6.401 χ^2/NDF : 28.7/23

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+/-0.006 χ^2/NDF : 17794.2/16

Left Out: 21.902+/-0.007 χ^2/NDF : 4817.1/6

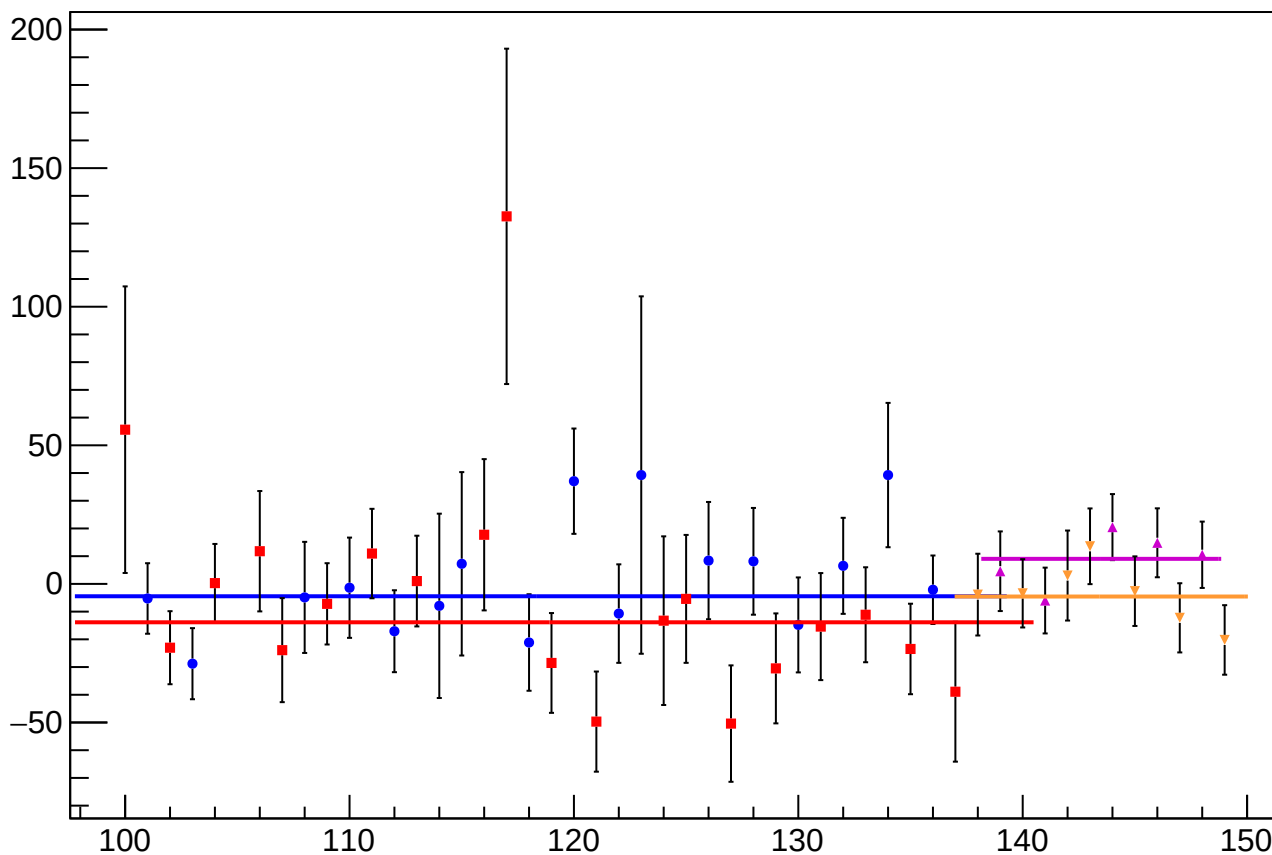
Right Out: 21.833+/-0.006 χ^2/NDF : 16288.5/19

Left In: 21.818+/-0.008 χ^2/NDF : 3270.5/4

21.904+/-0.005 χ^2/NDF : 22611.5/23

21.828+/-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: -4.554 ± 5.034 $\chi^2/\text{NDF}: 4.0/6$

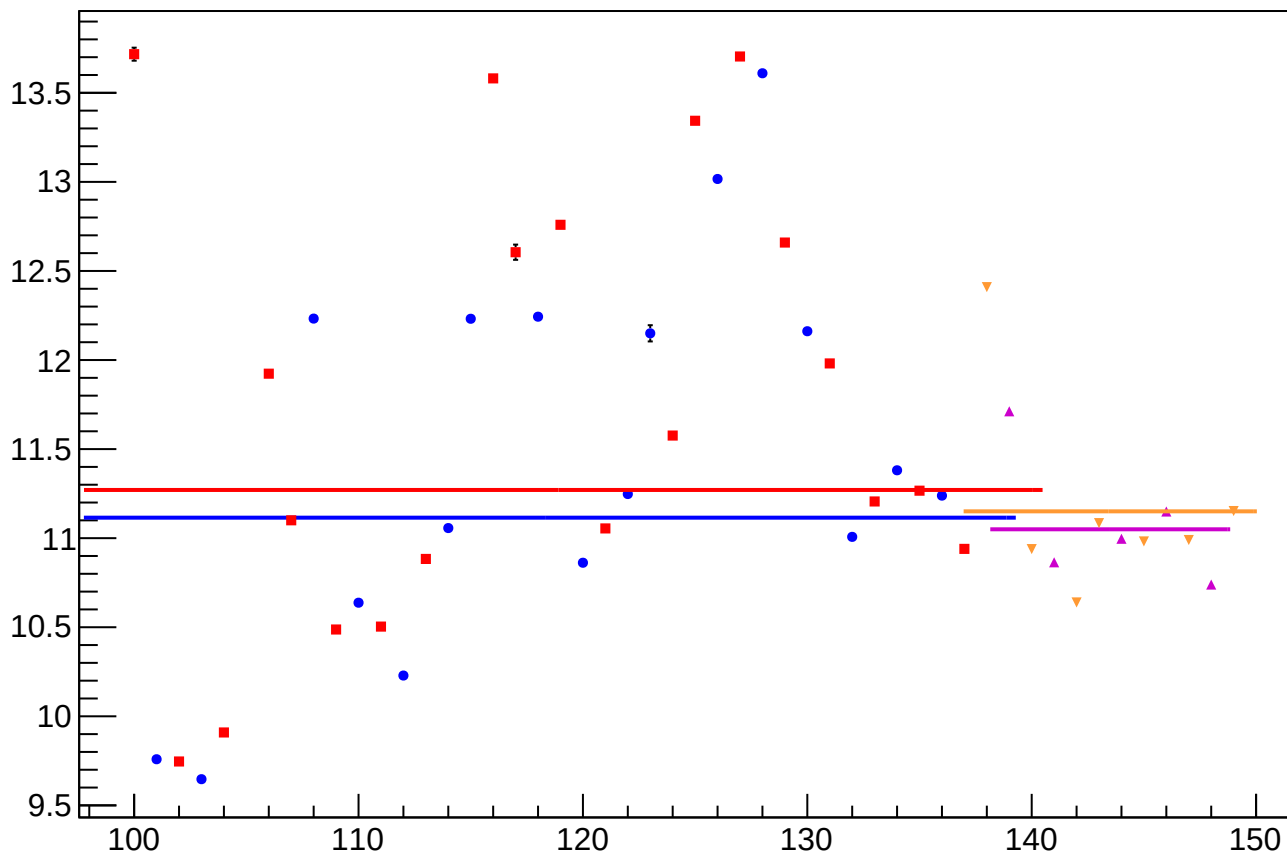
Right Out: -13.851 ± 4.253 $\chi^2/\text{NDF}: 25.4/19$

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

-4.500 ± 3.282 $\chi^2/\text{NDF}: 19.1/23$

-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: 11.151 ± 0.004 χ^2/NDF : 17881.6/6

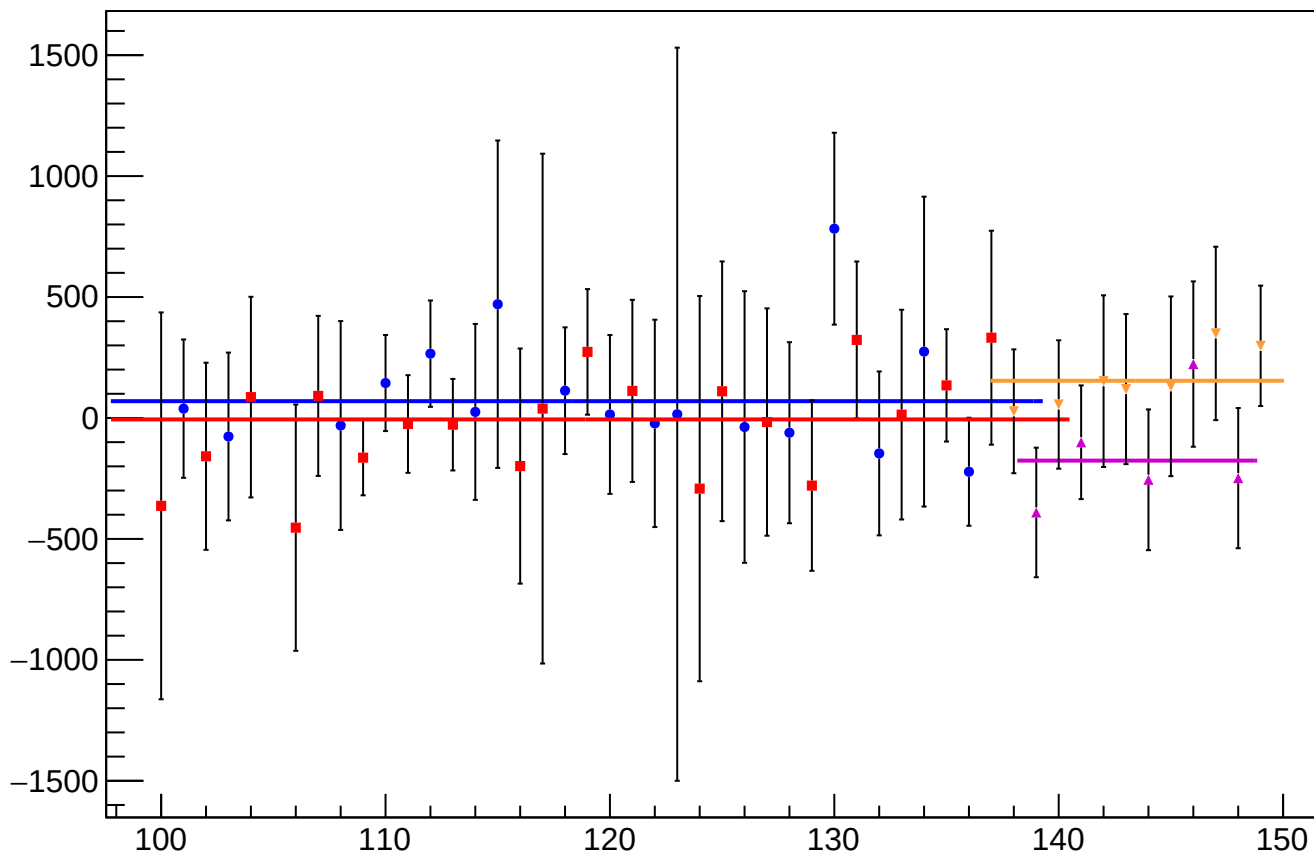
Right Out: 11.271 ± 0.003 χ^2/NDF : 148461.6/19

Left In: 11.050 ± 0.004 χ^2/NDF : 6250.3/4

11.130 ± 0.002 χ^2/NDF : 150998.2/23

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: 153.848+/-112.541 χ^2/NDF : 1.0/6

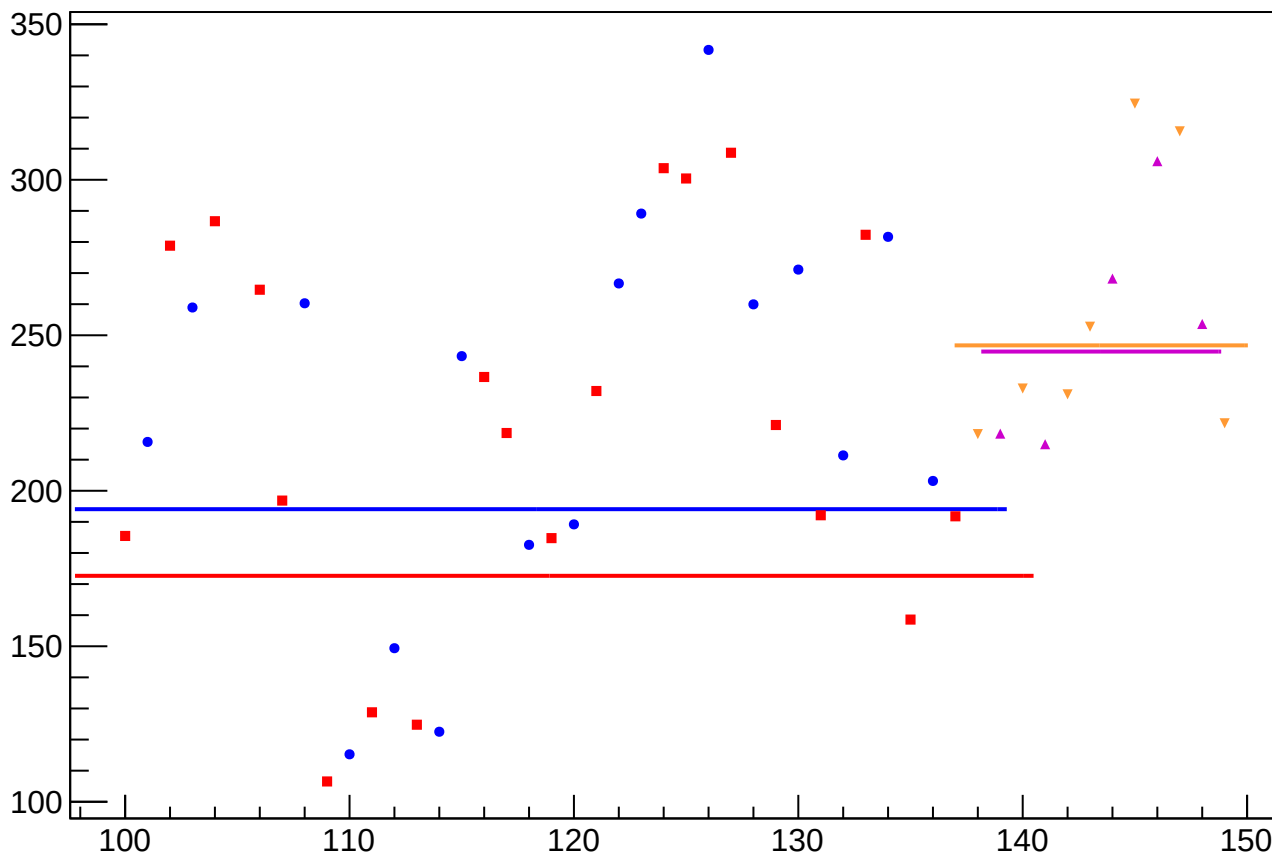
Right Out: -5.996+/-70.027 χ^2/NDF : 6.5/19

Left In: -176.206+/-124.700 χ^2/NDF : 2.2/4

97.432+/-64.786 χ^2/NDF : 8.7/23

-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: 246.753 $\pm$ 0.080 χ^2 /NDF:216593.6/6

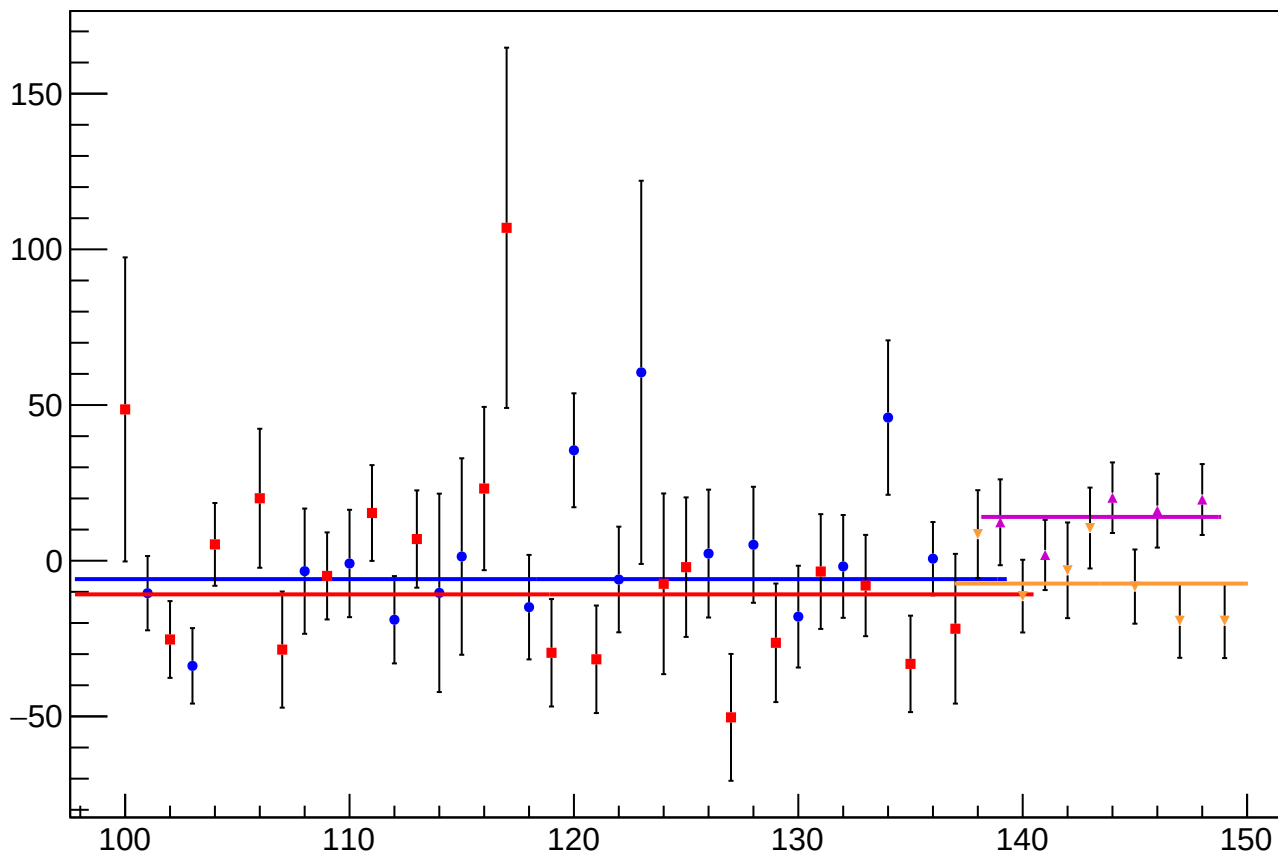
Right Out: 172.655 $\pm$ 0.050 χ^2 /NDF: 1573277.0/19

Left In: 244.764 $\pm$ 0.088 χ^2 /NDF:130565.2/4

211.537 $\pm$ 0.046 χ^2 /NDF: 1514901.6/23

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 $\chi^2/\text{NDF}: 18.8/16$

-6.524 ± 3.129 $\chi^2/\text{NDF}: 24.2/23$

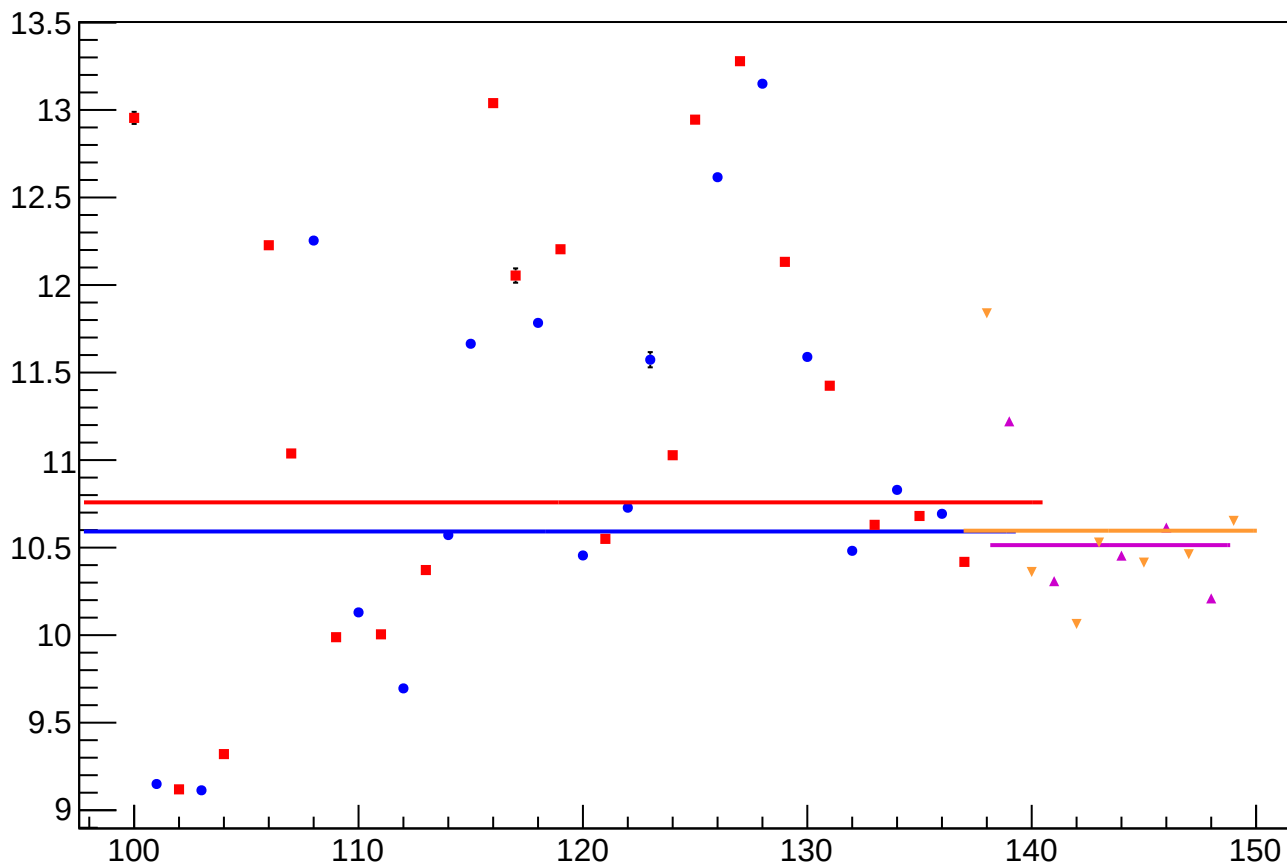
Left Out: -7.346 ± 4.790 $\chi^2/\text{NDF}: 5.4/6$

-1.559 ± 3.225 $\chi^2/\text{NDF}: 42.7/24$

Right Out: -10.806 ± 4.068 $\chi^2/\text{NDF}: 27.0/19$

Left In: 14.070 ± 5.289 $\chi^2/\text{NDF}: 1.8/4$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.592 $\pm$ 0.003 χ^2 /NDF: 160397.9/16

Left Out: 10.597 $\pm$ 0.003 χ^2 /NDF: 19526.2/6

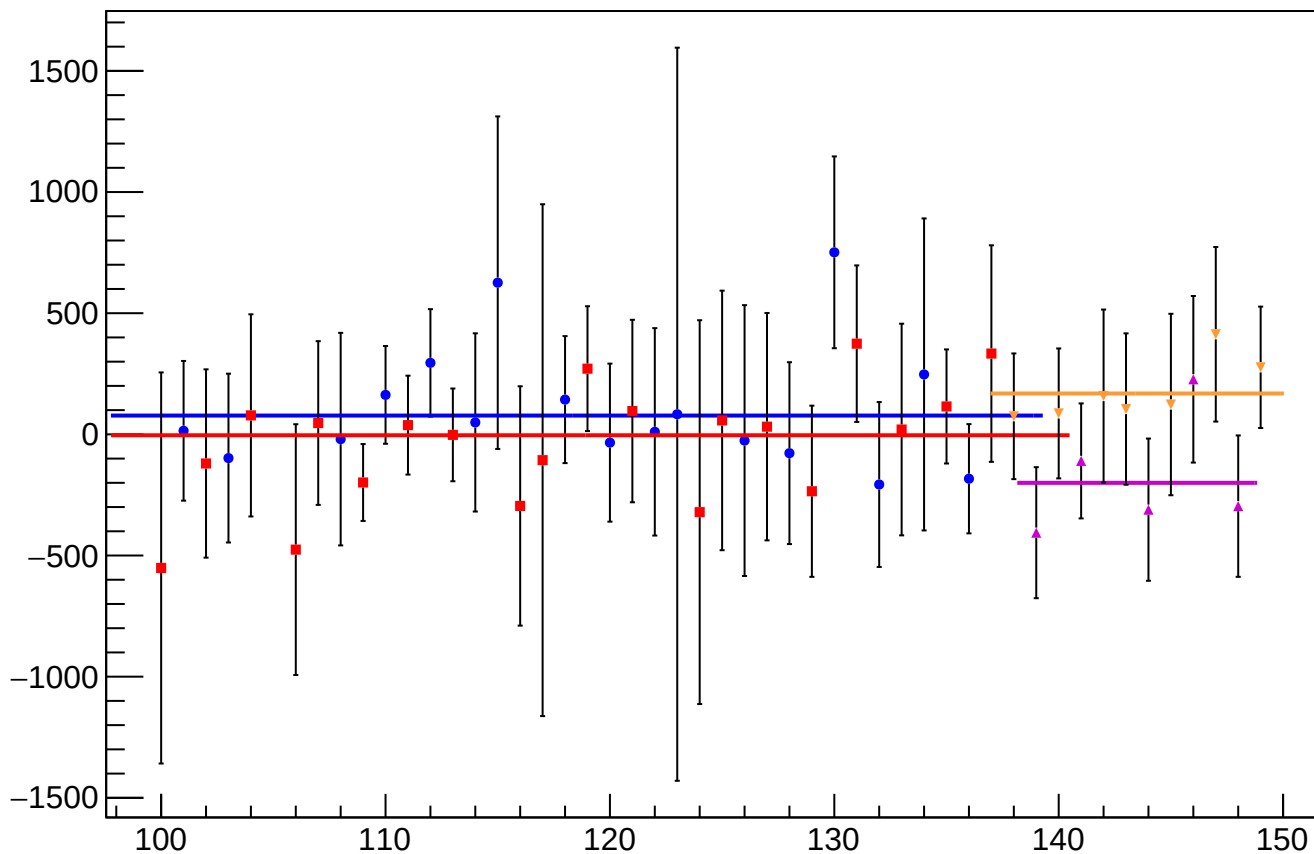
Right Out: 10.758 $\pm$ 0.003 χ^2 /NDF: 177903.3/19

Left In: 10.514 $\pm$ 0.004 χ^2 /NDF: 7555.2/4

10.594 $\pm$ 0.002 χ^2 /NDF: 179925.0/23

10.668 $\pm$ 0.002 χ^2 /NDF: 188137.7/24

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 77.589 $\pm$ 79.751 χ^2/NDF : 7.6/16

Left Out: 168.601 $\pm$ 113.480 χ^2/NDF : 0.9/6

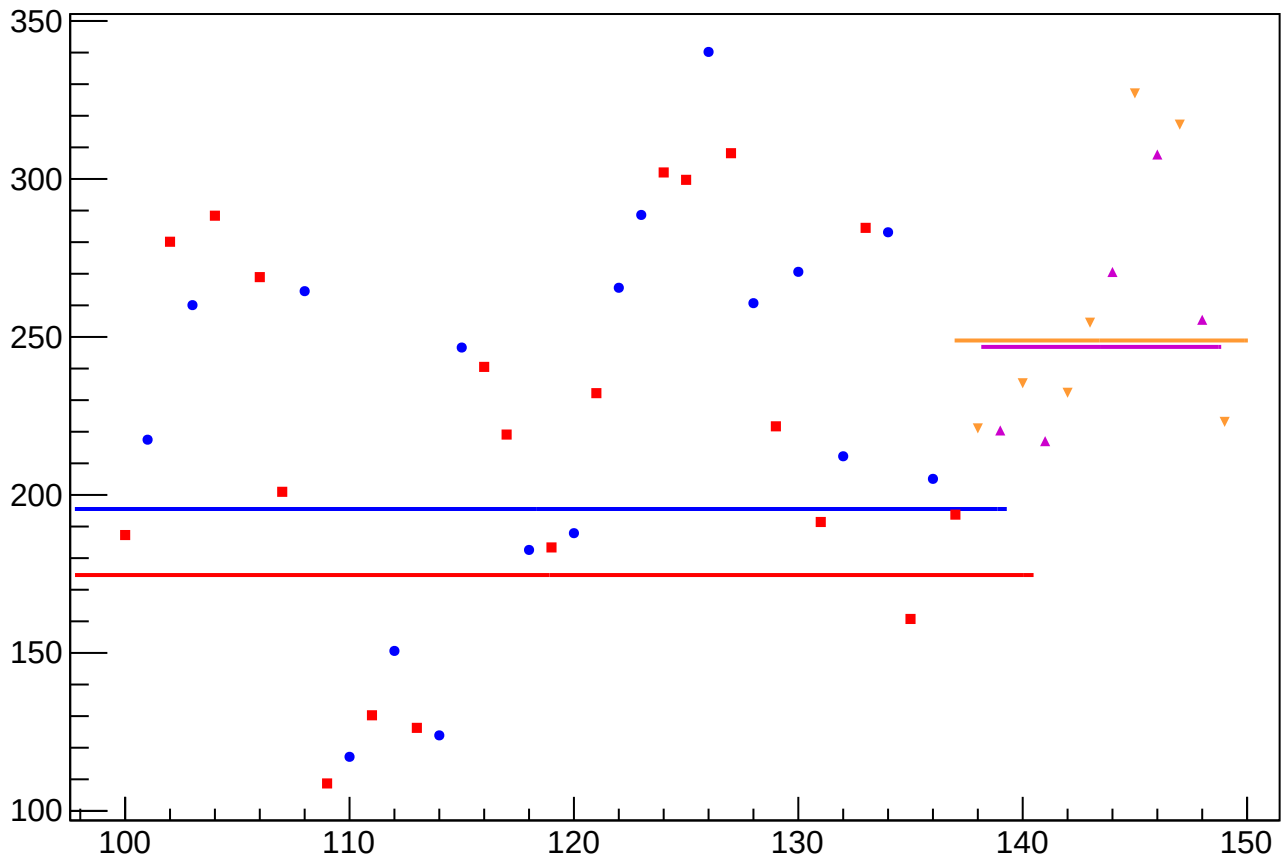
Right Out: -3.768 $\pm$ 70.696 χ^2/NDF : 7.4/19

Left In: -200.157 $\pm$ 125.720 χ^2/NDF : 2.5/4

107.678 $\pm$ 65.249 χ^2/NDF : 8.9/23

-50.949 $\pm$ 61.621 χ^2/NDF : 11.7/24

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.551+/-0.056 χ^2/NDF : 979937.7/16

Left Out: 248.879+/-0.080 χ^2/NDF : 213400.8/6

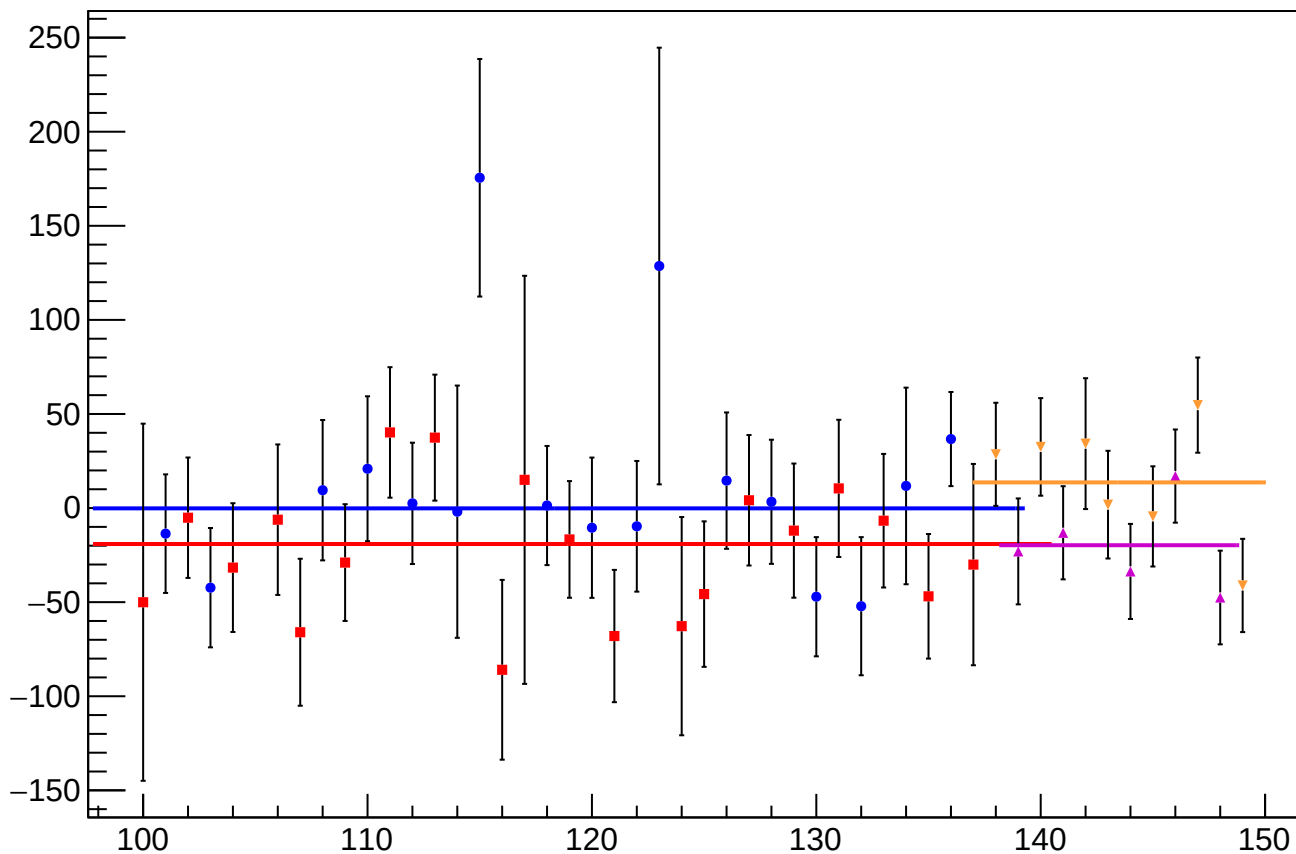
213.182+/-0.046 χ^2/NDF : 1488993.3/23

Right Out: 174.649+/-0.050 χ^2/NDF : 1532189.1/19

191.995+/-0.044 χ^2/NDF : 2161651.8/24

Left In: 246.851+/-0.089 χ^2/NDF : 128294.8/4

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -0.158 ± 8.826 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 13.640 ± 10.276 $\chi^2/\text{NDF}: 9.3/6$

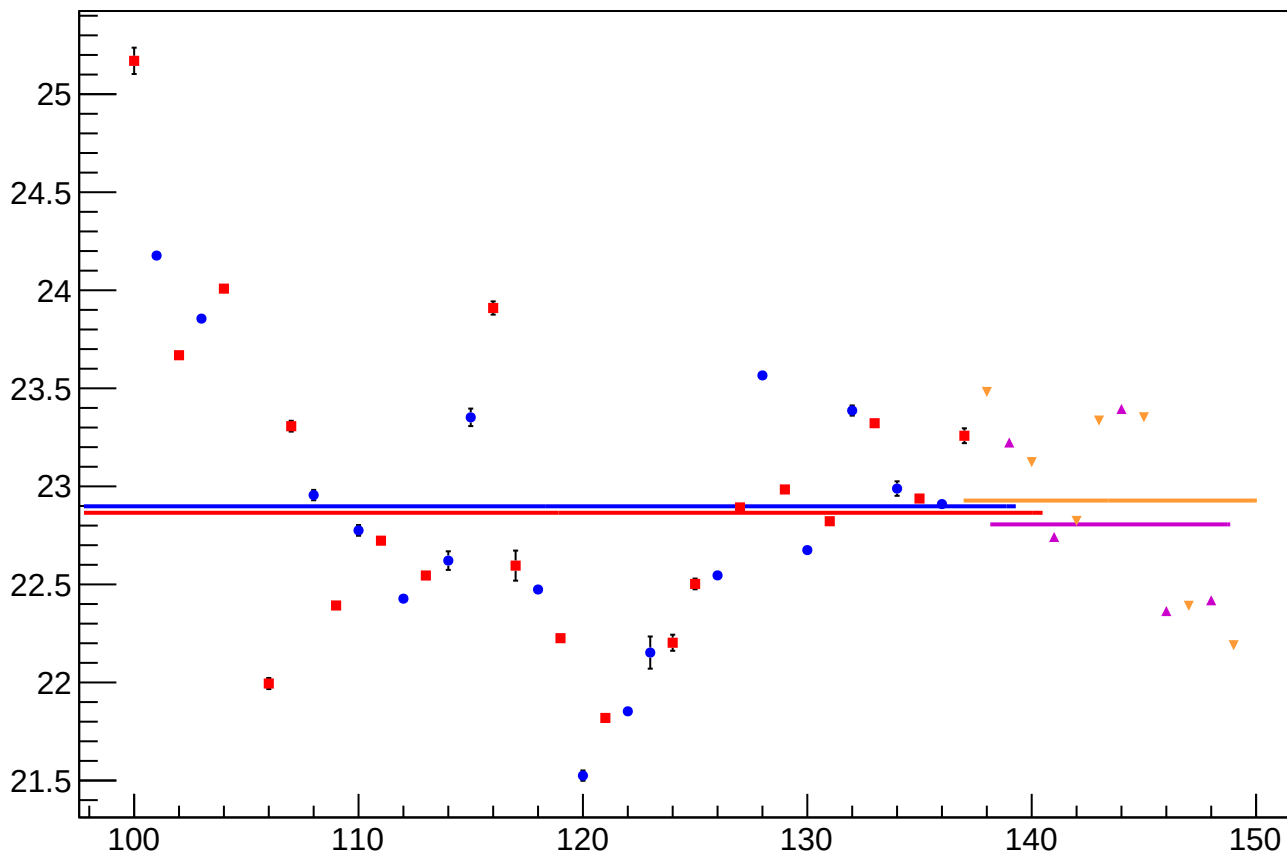
Right Out: -19.104 ± 8.527 $\chi^2/\text{NDF}: 14.9/19$

Left In: -19.750 ± 11.391 $\chi^2/\text{NDF}: 3.8/4$

5.700 ± 6.695 $\chi^2/\text{NDF}: 28.4/23$

-19.336 ± 6.826 $\chi^2/\text{NDF}: 18.7/24$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.898 $\pm$ 0.006 χ^2 /NDF: 12143.3/16

Left Out: 22.928 $\pm$ 0.007 χ^2 /NDF: 4538.1/6

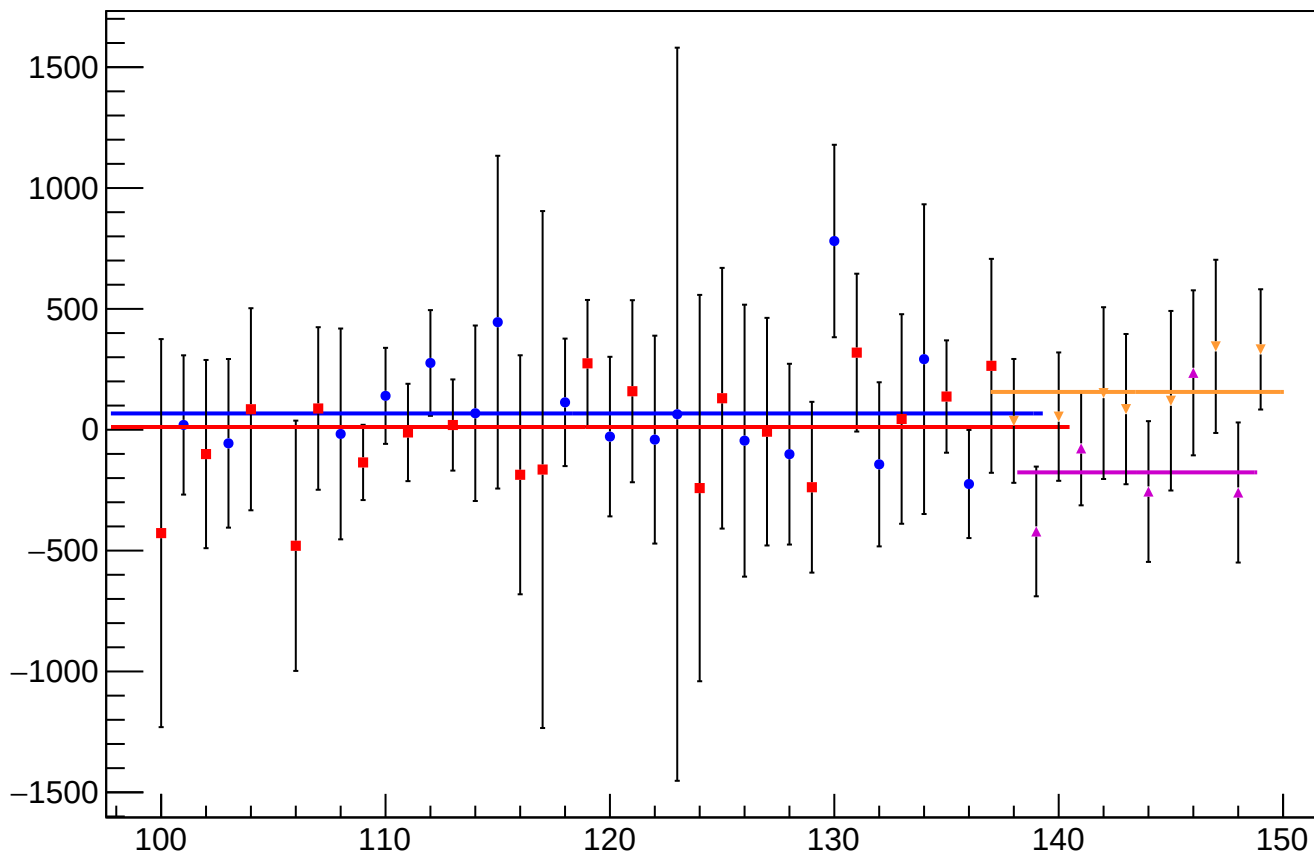
Right Out: 22.865 $\pm$ 0.006 χ^2 /NDF: 11060.8/19

Left In: 22.806 $\pm$ 0.008 χ^2 /NDF: 2660.5/4

22.911 $\pm$ 0.005 χ^2 /NDF: 16690.8/23

22.844 $\pm$ 0.005 χ^2 /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: 156.427+/-112.590 χ^2/NDF : 1.2/6

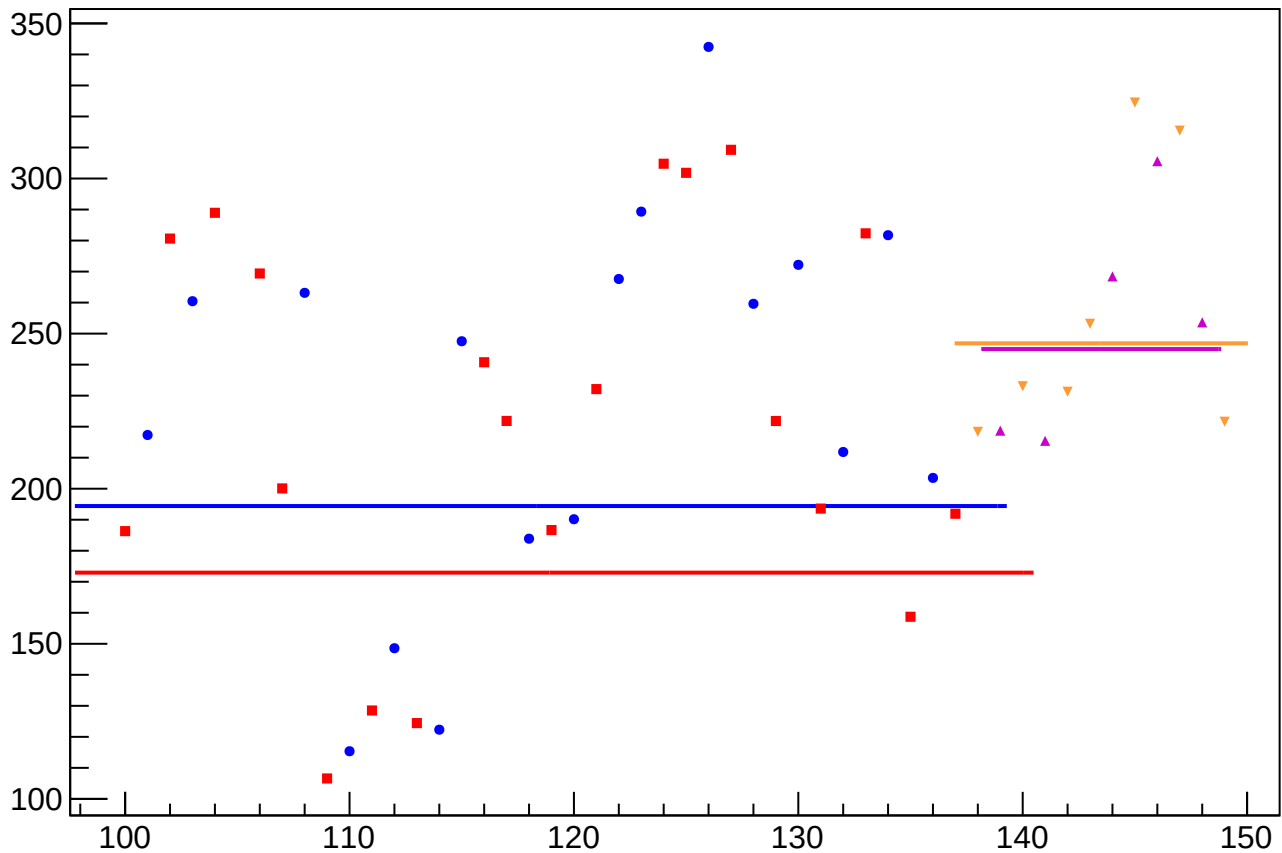
Right Out: 11.355+/-70.203 χ^2/NDF : 5.8/19

Left In: -176.350+/-124.808 χ^2/NDF : 2.6/4

97.004+/-64.890 χ^2/NDF : 9.0/23

-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: 246.868+/-0.080 χ^2/NDF :216155.2/6

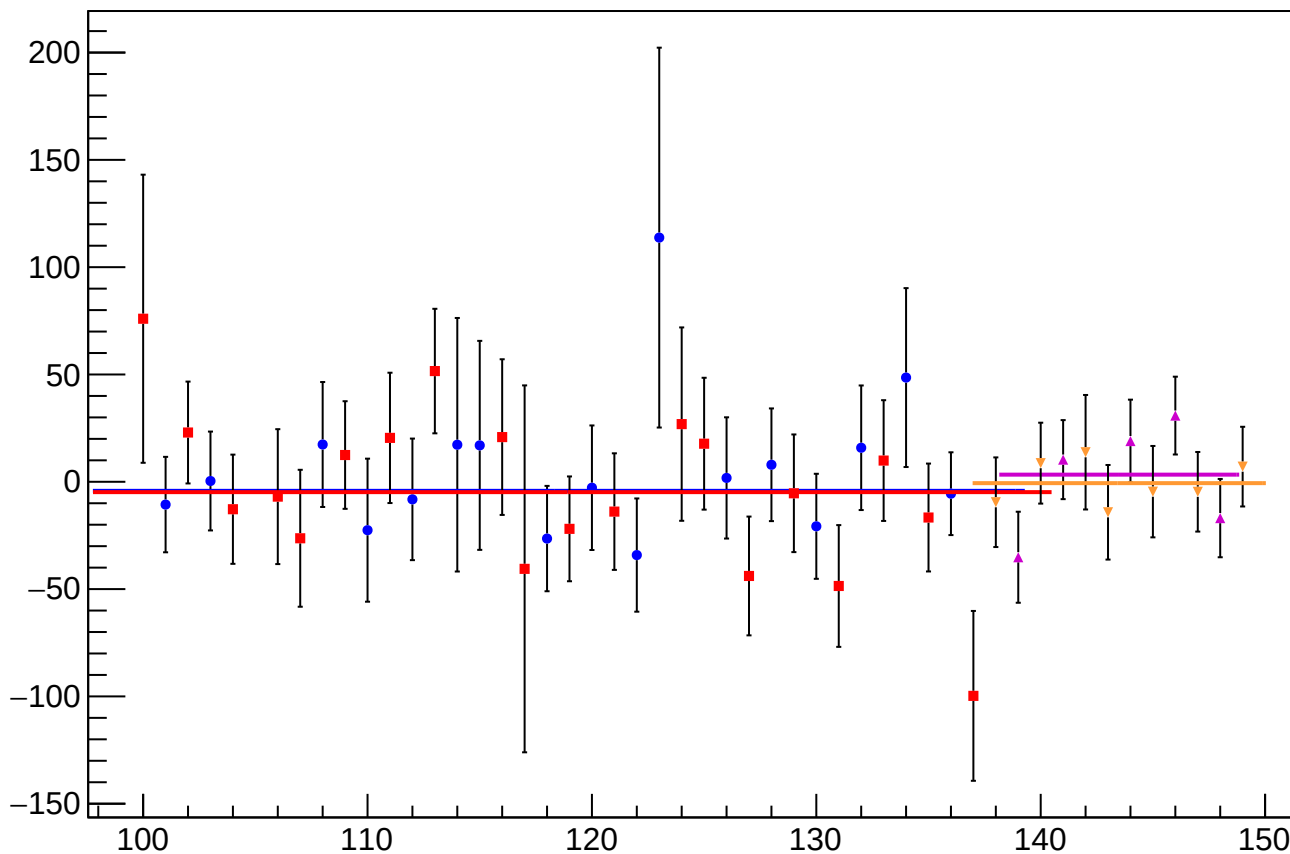
Right Out: 172.942+/-0.050 χ^2/NDF : 1600959.1/19

Left In: 245.020+/-0.088 χ^2/NDF :128433.9/4

211.835+/-0.046 χ^2/NDF : 1526008.5/23

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 ± 6.871 $\chi^2/\text{NDF}: 8.0/16$

Left Out: -0.632 ± 7.765 $\chi^2/\text{NDF}: 1.4/6$

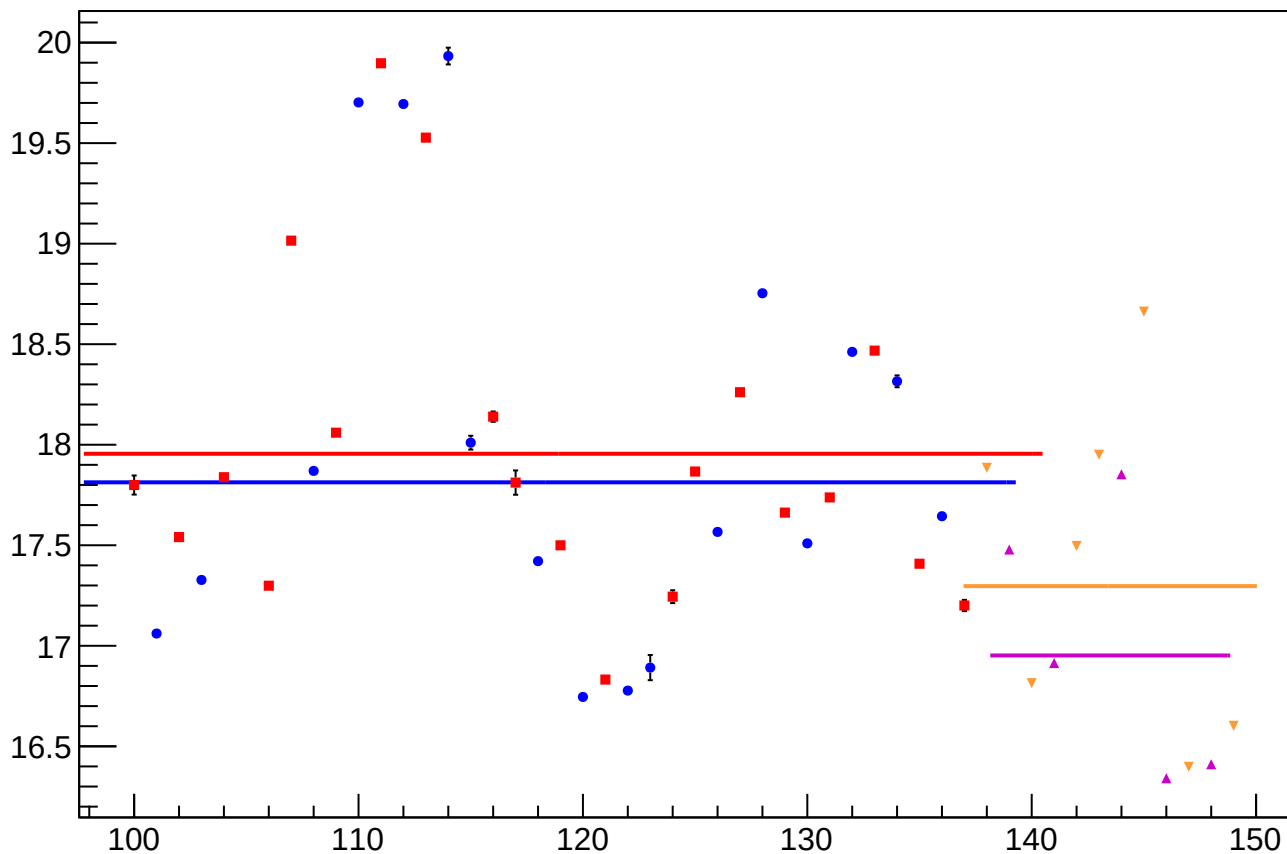
Right Out: -4.820 ± 6.704 $\chi^2/\text{NDF}: 21.3/19$

Left In: 3.327 ± 8.480 $\chi^2/\text{NDF}: 7.6/4$

-2.646 ± 5.146 $\chi^2/\text{NDF}: 9.5/23$

-1.687 ± 5.259 $\chi^2/\text{NDF}: 29.5/24$

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: 17.297 ± 0.005 χ^2/NDF : 20488.9/6

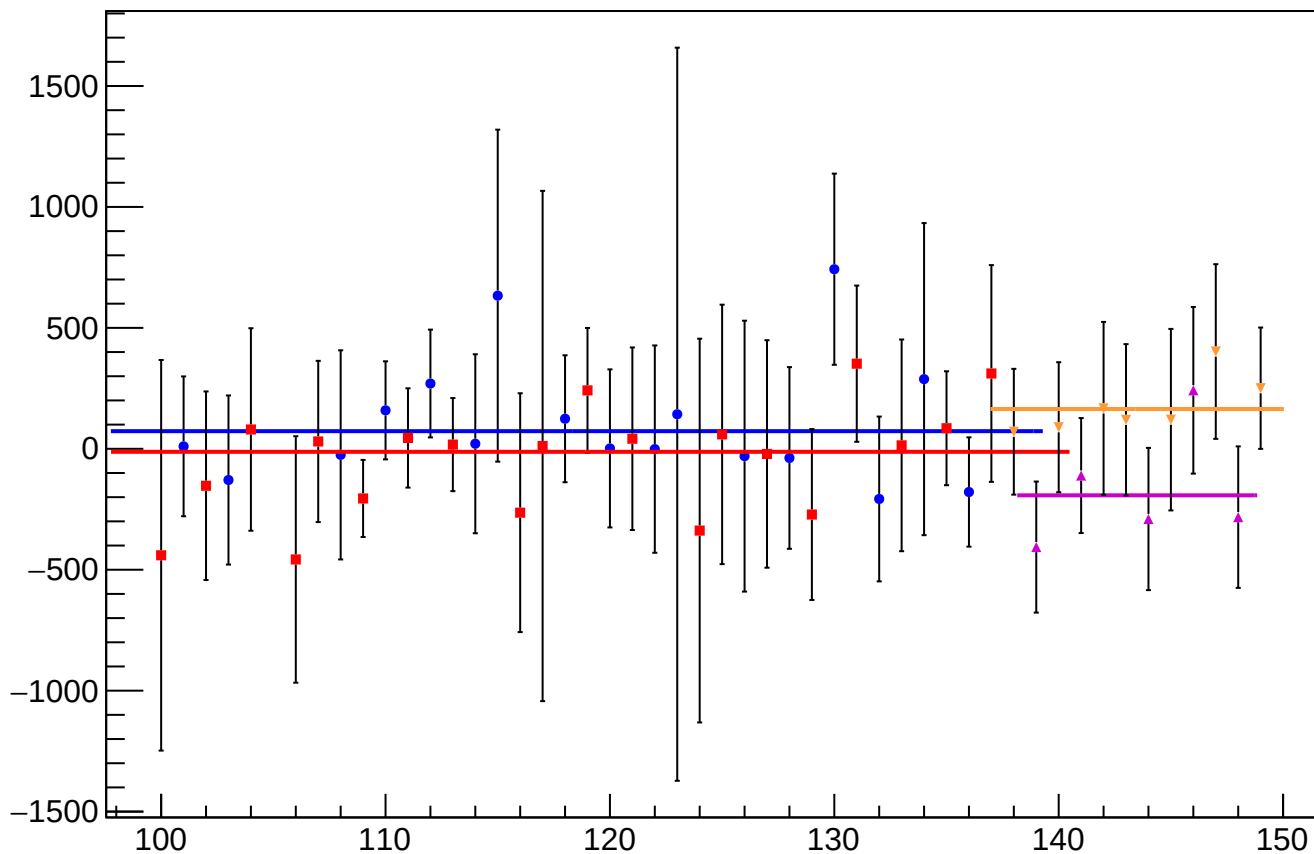
Right Out: 17.955 ± 0.005 χ^2/NDF : 25451.0/19

Left In: 16.952 ± 0.006 χ^2/NDF : 9634.3/4

17.586 ± 0.004 χ^2/NDF : 57481.0/23

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: 164.612+/-113.719 χ^2/NDF : 0.8/6

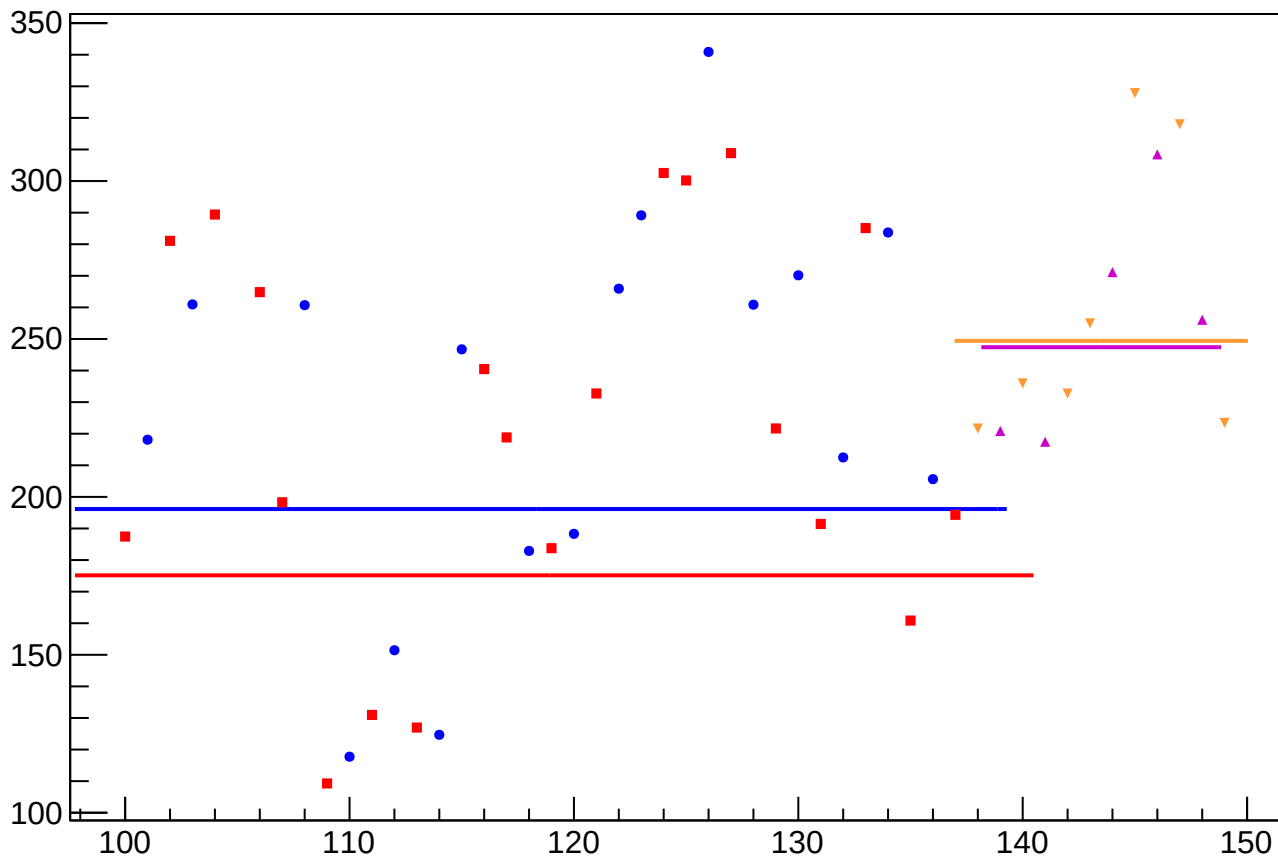
Right Out: -12.456+/-70.853 χ^2/NDF : 6.7/19

Left In: -192.314+/-125.997 χ^2/NDF : 2.5/4

103.228+/-65.403 χ^2/NDF : 8.4/23

-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 $\pm$ 0.057 χ^2/NDF : 964998.4/16

Left Out: 249.400 $\pm$ 0.080 χ^2/NDF : 213700.0/6

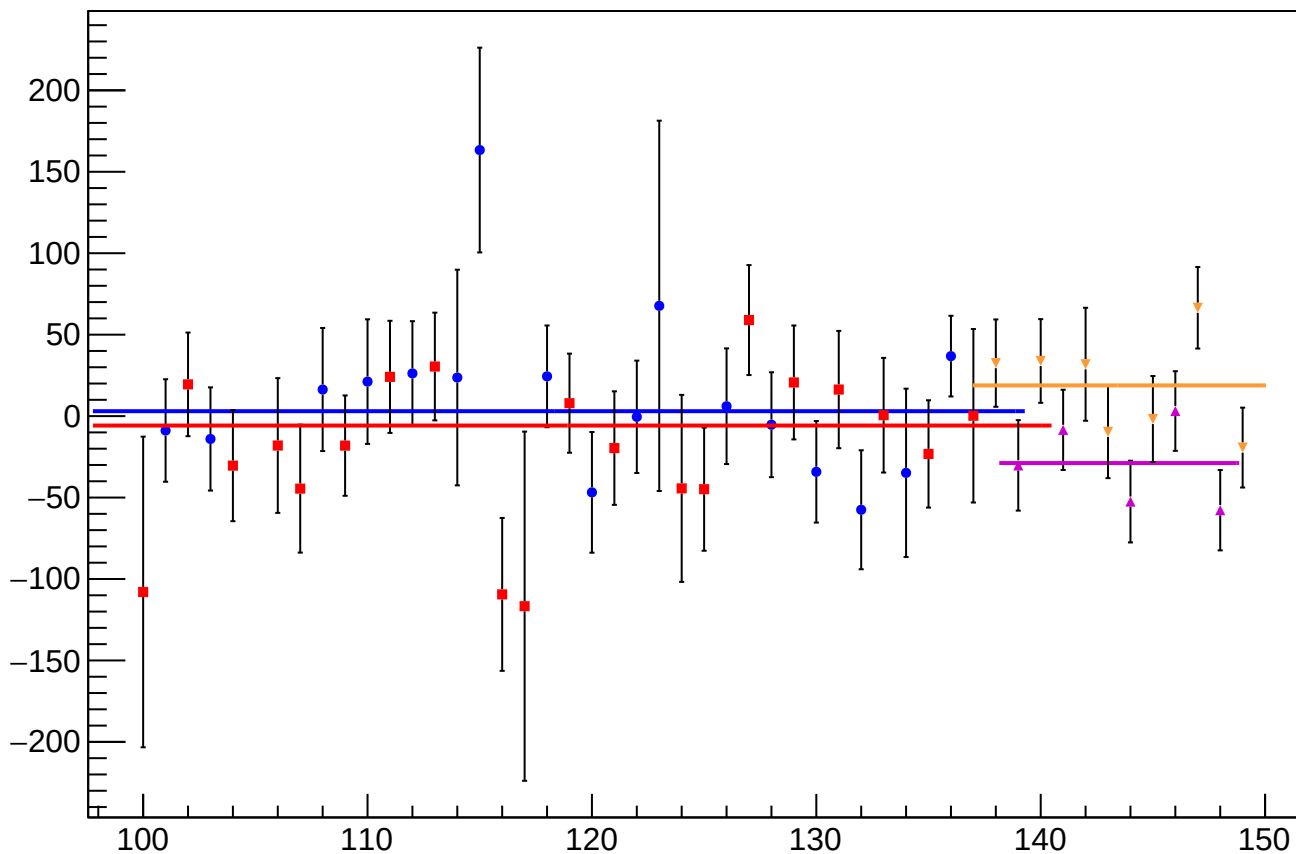
Right Out: 175.163 $\pm$ 0.050 χ^2/NDF : 1514398.4/19

Left In: 247.392 $\pm$ 0.089 χ^2/NDF : 128545.0/4

213.764 $\pm$ 0.046 χ^2/NDF : 1472169.0/23

192.516 $\pm$ 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 χ^2/NDF : 17.2/16

Left Out: 18.869 ± 10.168 χ^2/NDF : 8.4/6

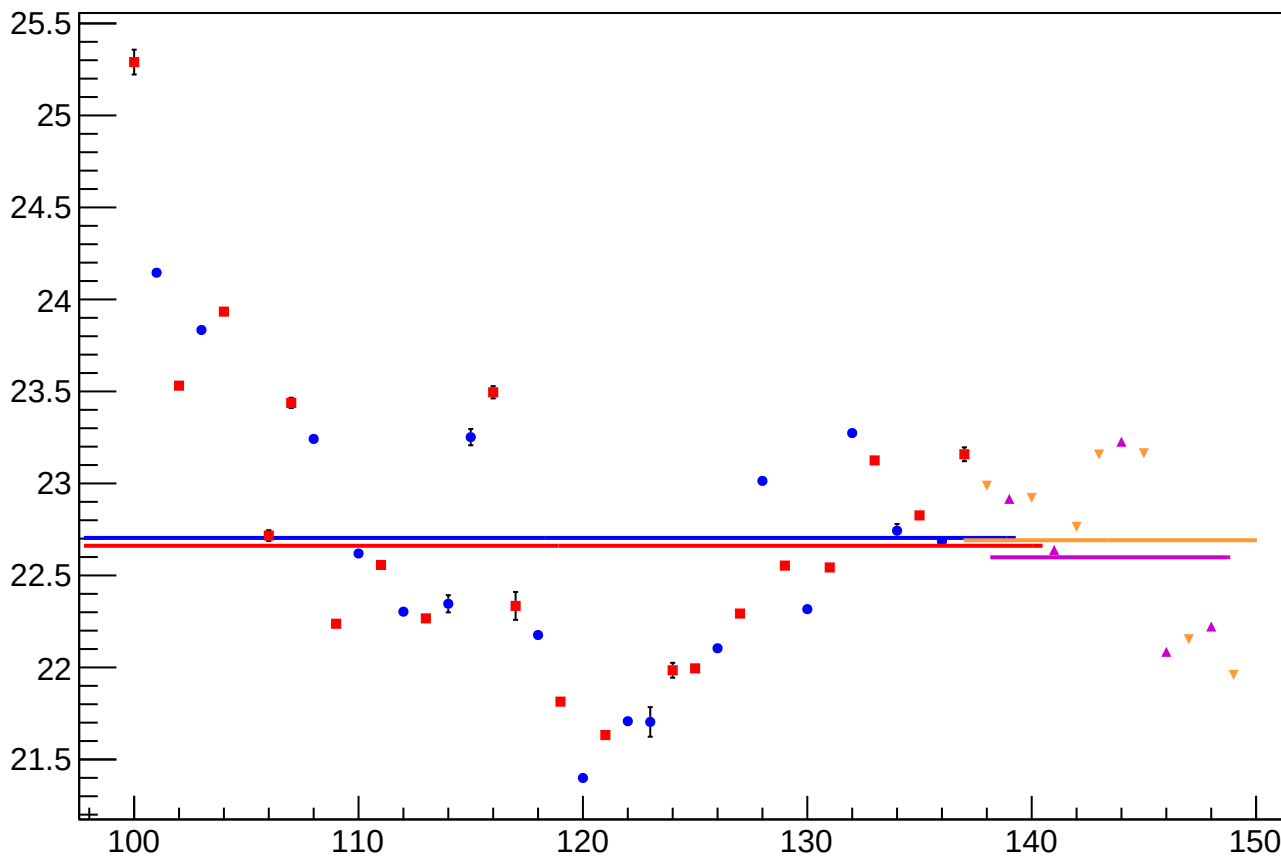
Right Out: -5.786 ± 8.451 χ^2/NDF : 18.3/19

Left In: -28.815 ± 11.287 χ^2/NDF : 4.7/4

9.765 ± 6.633 χ^2/NDF : 27.0/23

-14.058 ± 6.765 χ^2/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: 22.691+/-0.007 χ^2/NDF : 4297.1/6

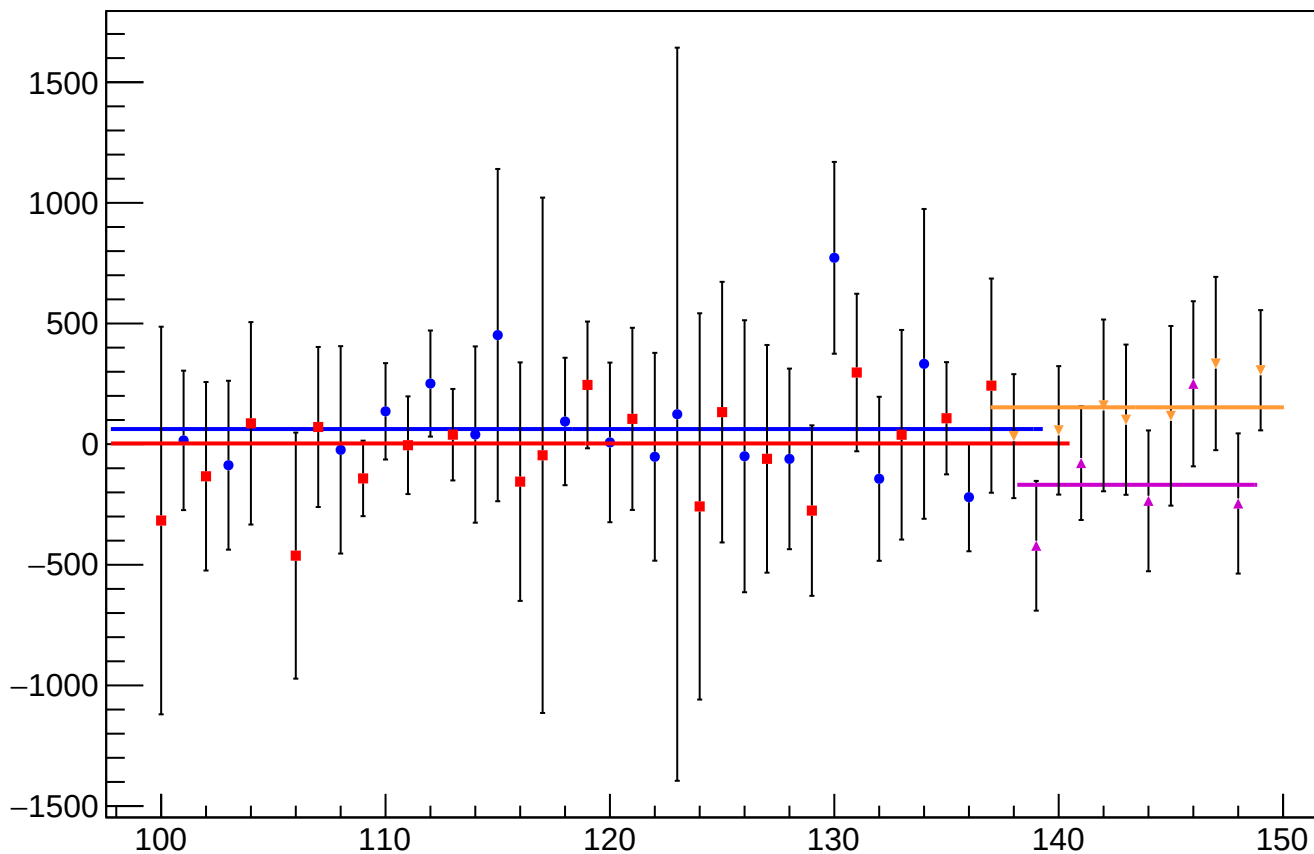
Right Out: 22.661+/-0.006 χ^2/NDF : 12962.1/19

Left In: 22.599+/-0.008 χ^2/NDF : 2869.8/4

22.699+/-0.005 χ^2/NDF : 18404.7/23

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: 152.668+/-112.829 χ^2/NDF : 1.0/6

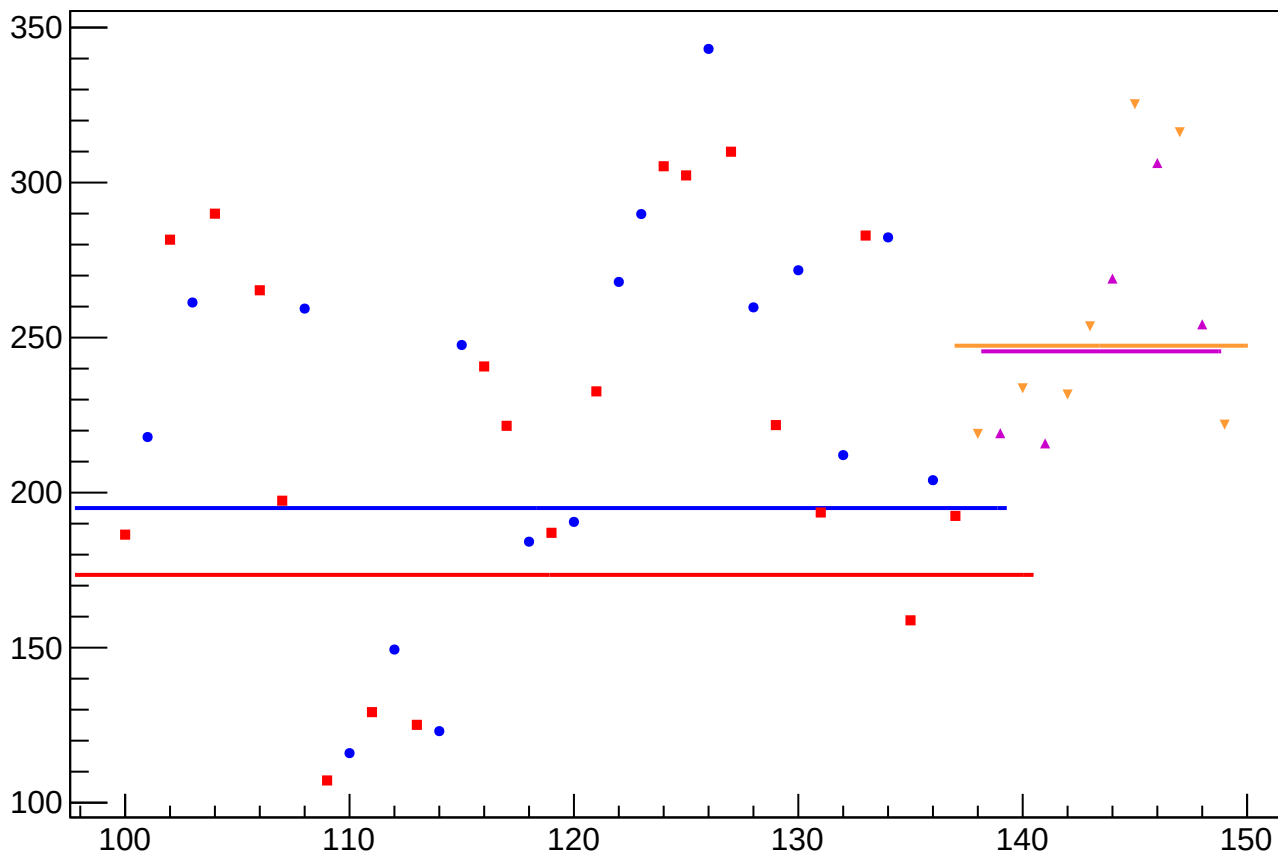
Right Out: 2.824+/-70.364 χ^2/NDF : 5.2/19

Left In: -168.510+/-125.085 χ^2/NDF : 2.6/4

92.516+/-65.045 χ^2/NDF : 8.5/23

-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: 247.390 ± 0.080 χ^2/NDF : 216435.7/6

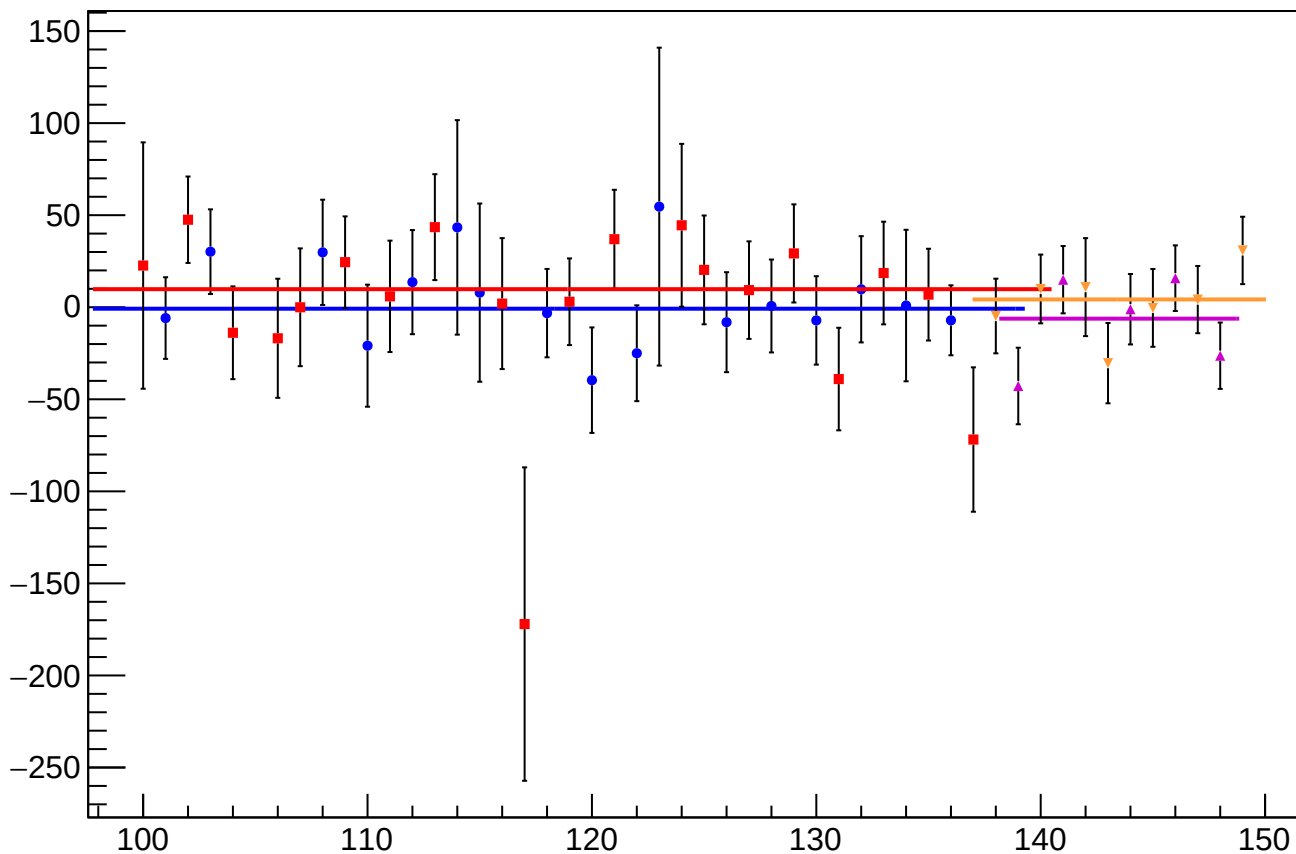
212.426 ± 0.046 χ^2/NDF : 1508372.4/23

Right Out: 173.471 ± 0.050 χ^2/NDF : 1582273.4/19

190.801 ± 0.043 χ^2/NDF : 2215616.4/24

Left In: 245.564 ± 0.088 χ^2/NDF : 128677.9/4

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.801 ± 6.770 χ^2/NDF : 7.8/16

Left Out: 4.234 ± 7.661 χ^2/NDF : 5.0/6

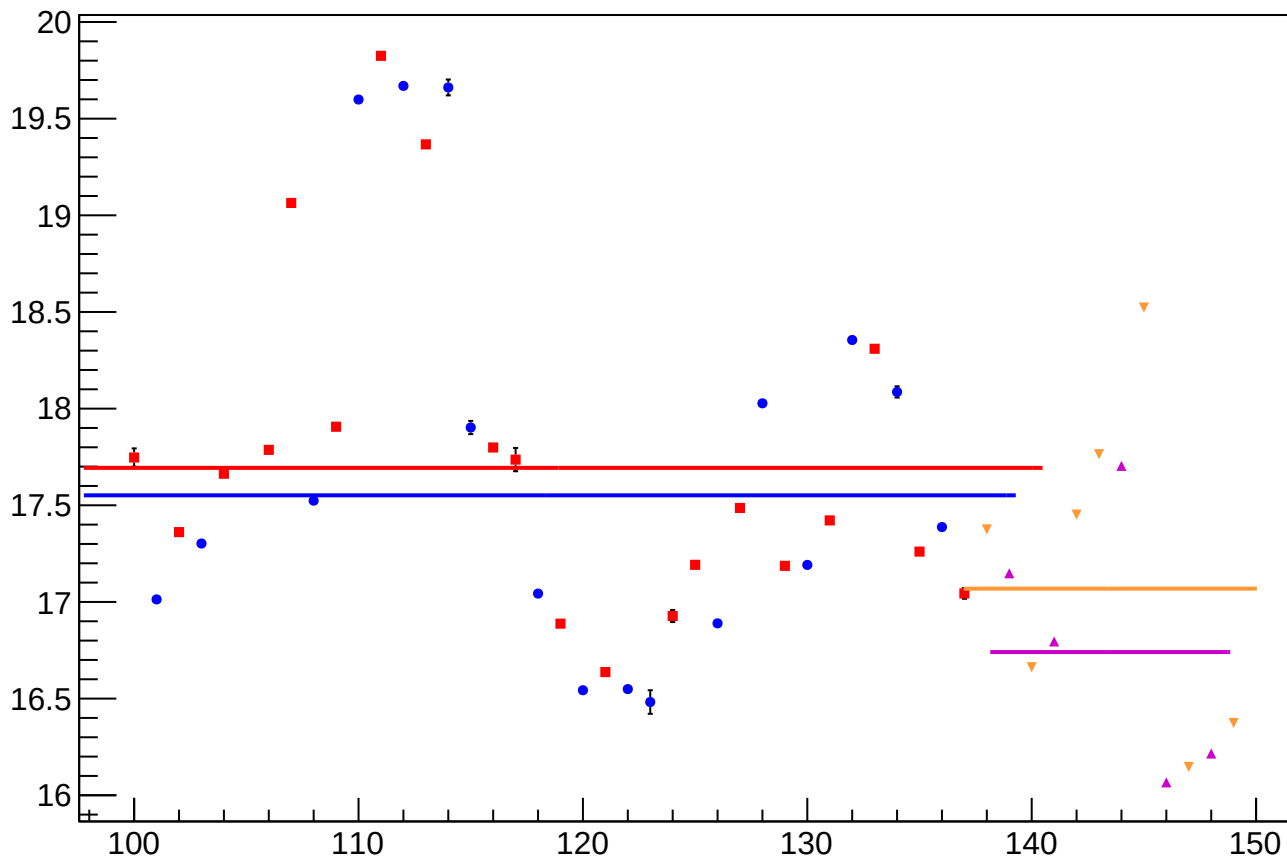
Right Out: 9.809 ± 6.606 χ^2/NDF : 20.5/19

Left In: -6.200 ± 8.373 χ^2/NDF : 7.3/4

1.407 ± 5.073 χ^2/NDF : 13.0/23

3.667 ± 5.186 χ^2/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: 17.069 ± 0.005 χ^2/NDF : 21307.6/6

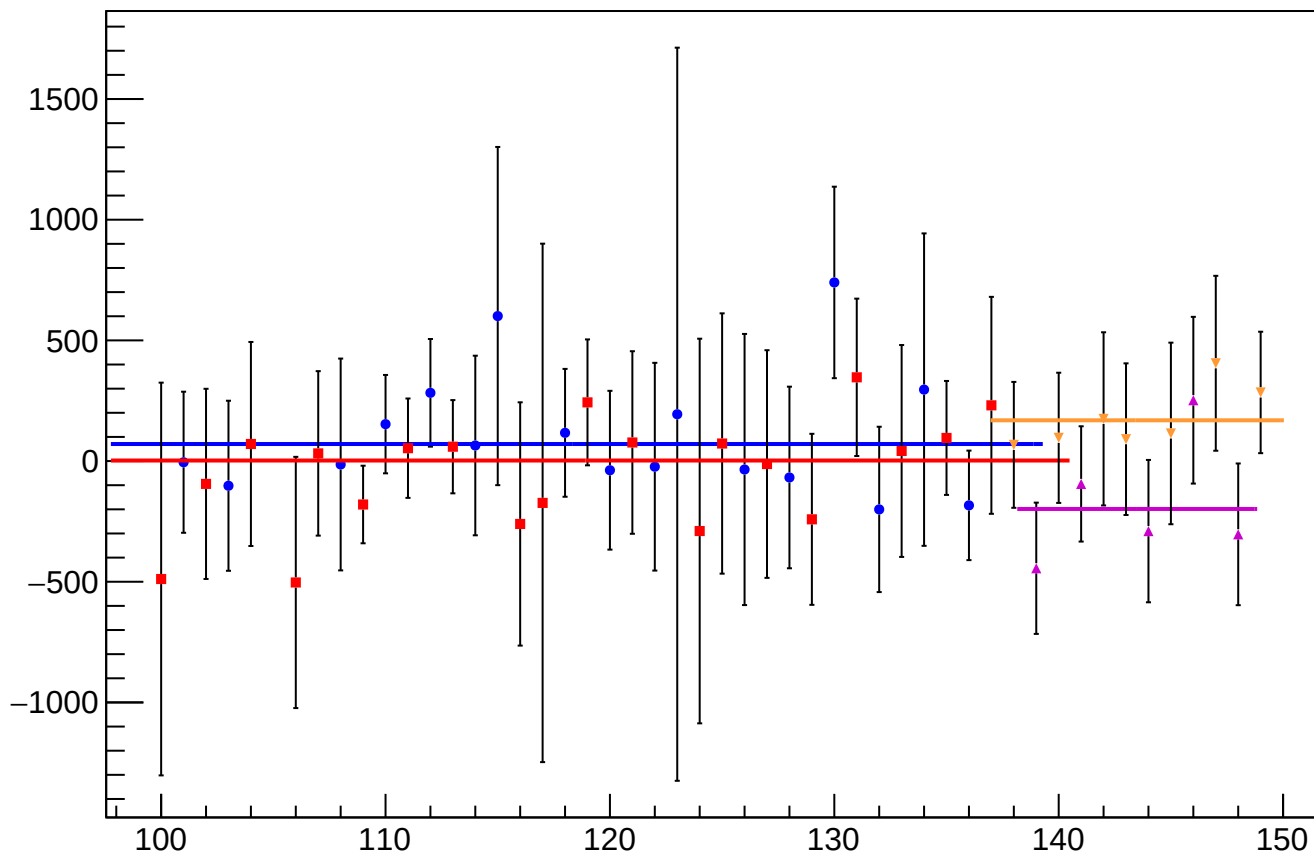
Right Out: 17.694 ± 0.005 χ^2/NDF : 30742.5/19

Left In: 16.741 ± 0.006 χ^2/NDF : 10411.8/4

17.340 ± 0.004 χ^2/NDF : 59794.9/23

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: 168.876+/-114.081 χ^2/NDF : 0.9/6

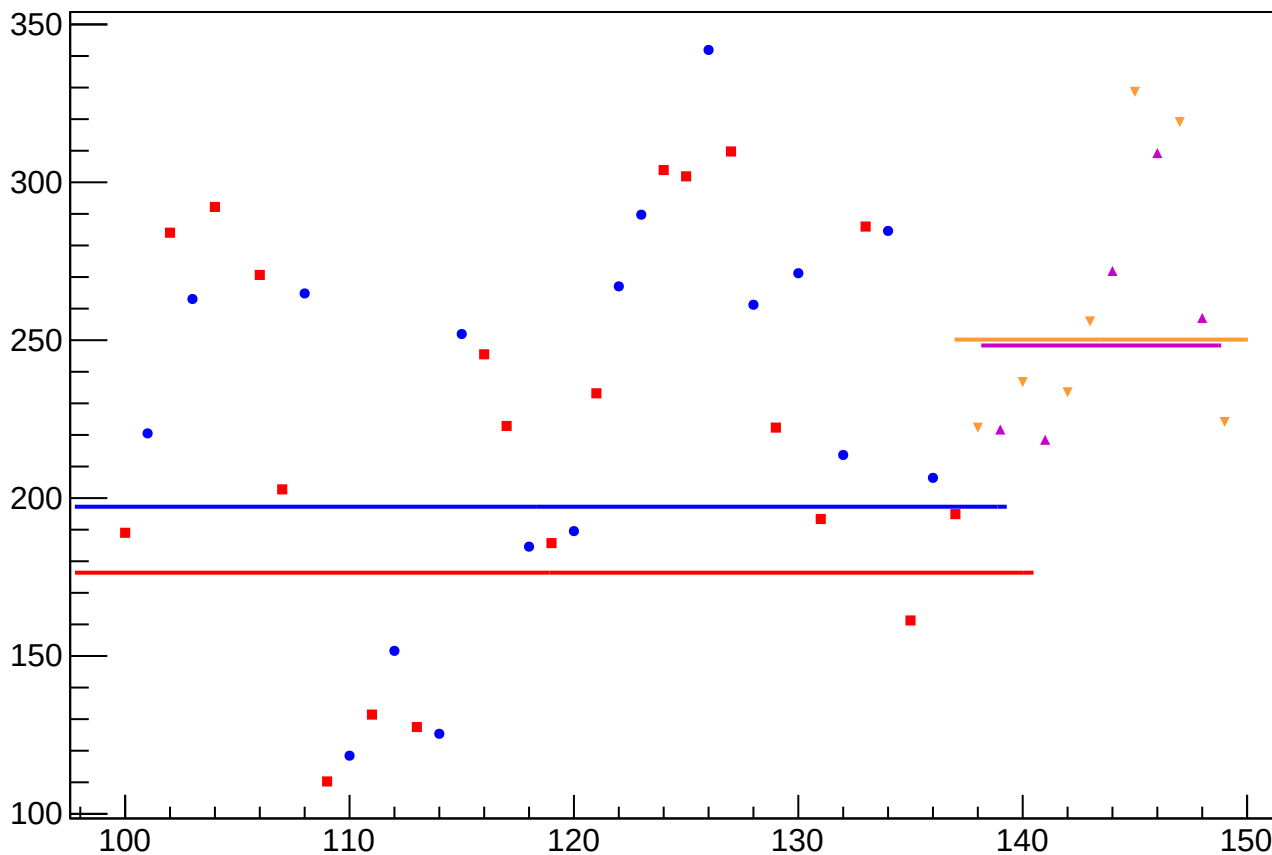
Right Out: 2.285+/-71.350 χ^2/NDF : 6.2/19

Left In: -198.473+/-126.458 χ^2/NDF : 2.9/4

103.242+/-65.724 χ^2/NDF : 8.6/23

-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 $\pm$ 0.057 χ^2 /NDF: 969549.7/16

Left Out: 250.195 $\pm$ 0.081 χ^2 /NDF:213610.8/6

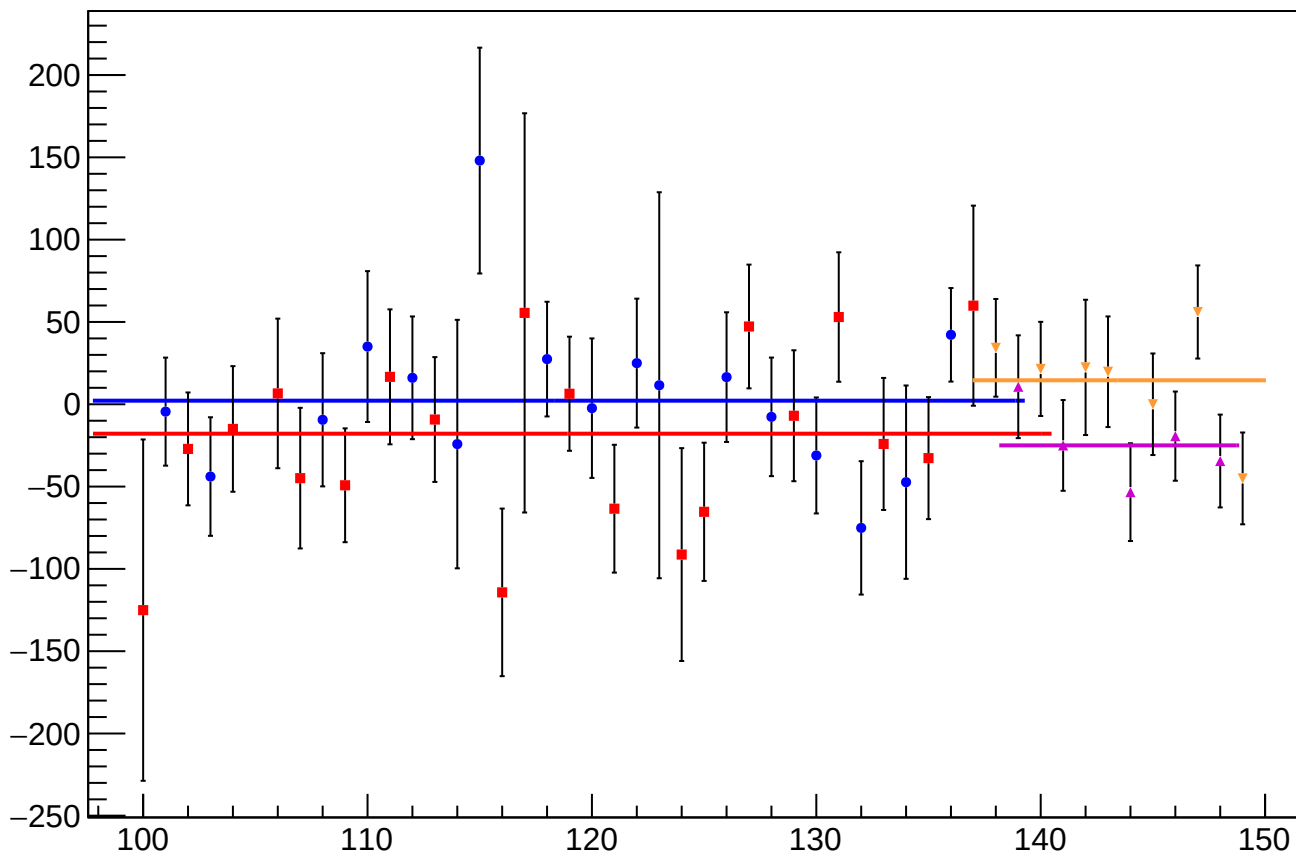
214.837 $\pm$ 0.046 χ^2 /NDF: 1470727.0/23

Right Out: 176.387 $\pm$ 0.050 χ^2 /NDF: 1523467.7/19

193.758 $\pm$ 0.044 χ^2 /NDF: 2141676.7/24

Left In: 248.328 $\pm$ 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: 14.568 ± 11.607 $\chi^2/\text{NDF}: 7.5/6$

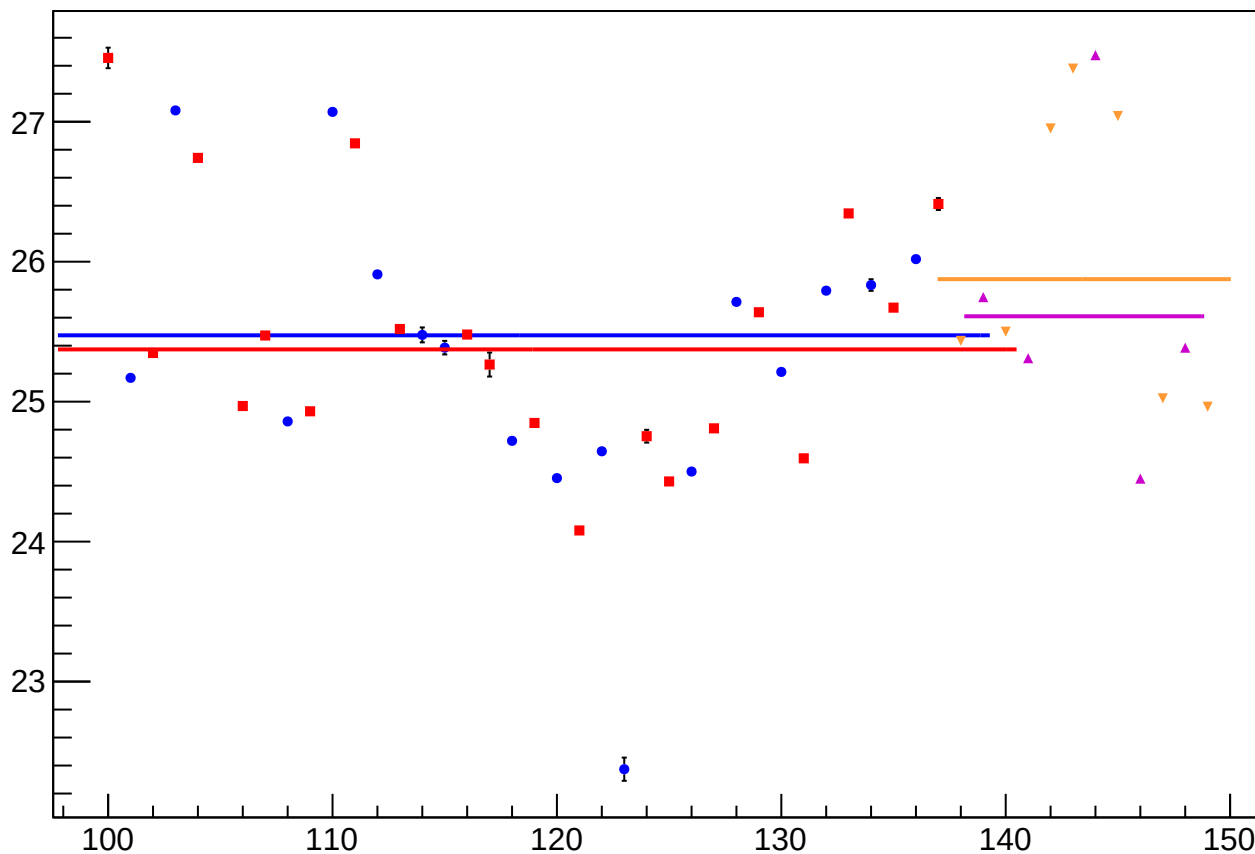
Right Out: -17.869 ± 9.468 $\chi^2/\text{NDF}: 20.0/19$

Left In: -24.976 ± 12.809 $\chi^2/\text{NDF}: 2.4/4$

7.350 ± 7.499 $\chi^2/\text{NDF}: 23.5/23$

-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: 25.875 $\pm$ 0.008 χ^2 /NDF:12971.8/6

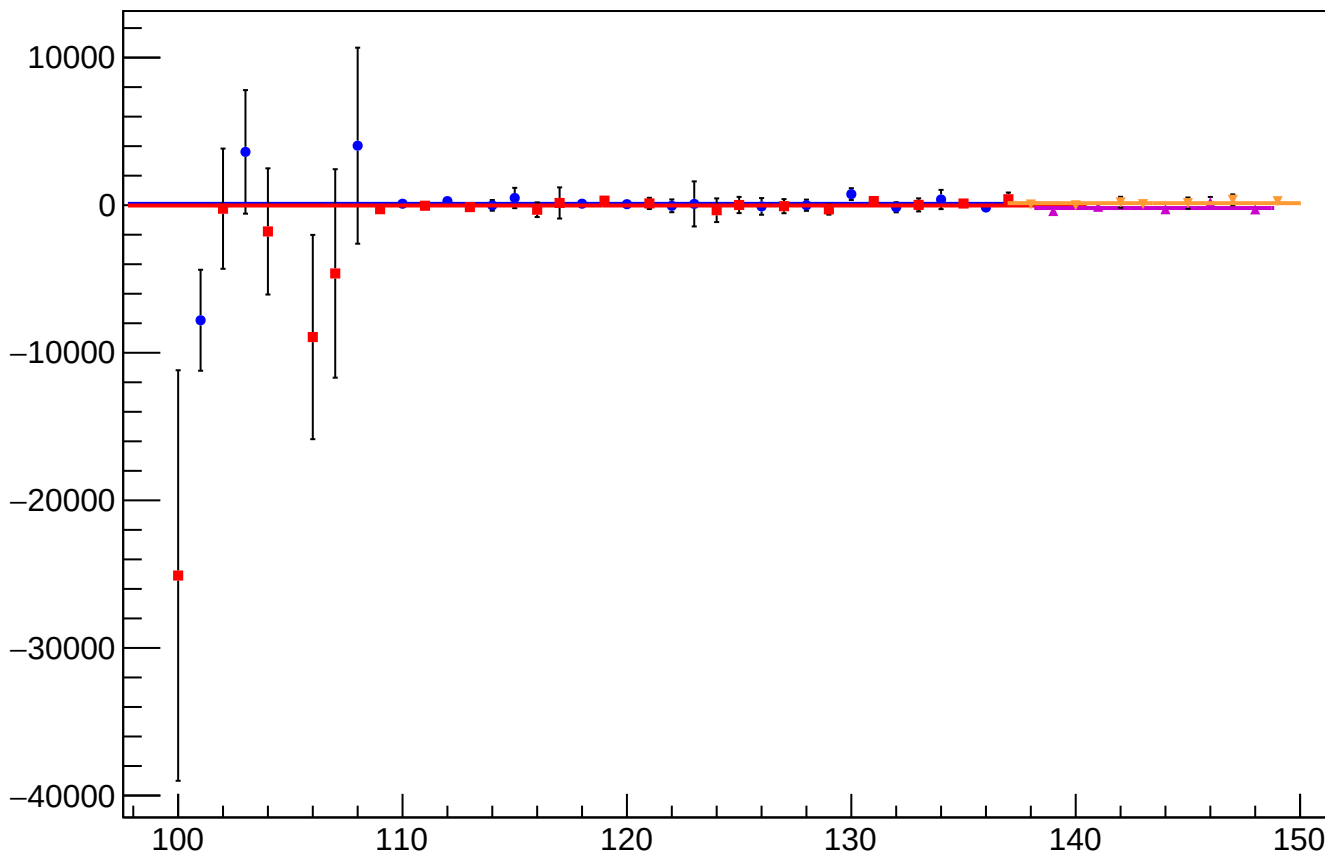
Right Out: 25.373 $\pm$ 0.007 χ^2 /NDF: 13582.8/19

Left In: 25.610 $\pm$ 0.009 χ^2 /NDF:11961.6/4

25.641 $\pm$ 0.005 χ^2 /NDF: 28425.5/23

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: 135.992+/-115.550 χ^2/NDF : 1.2/6

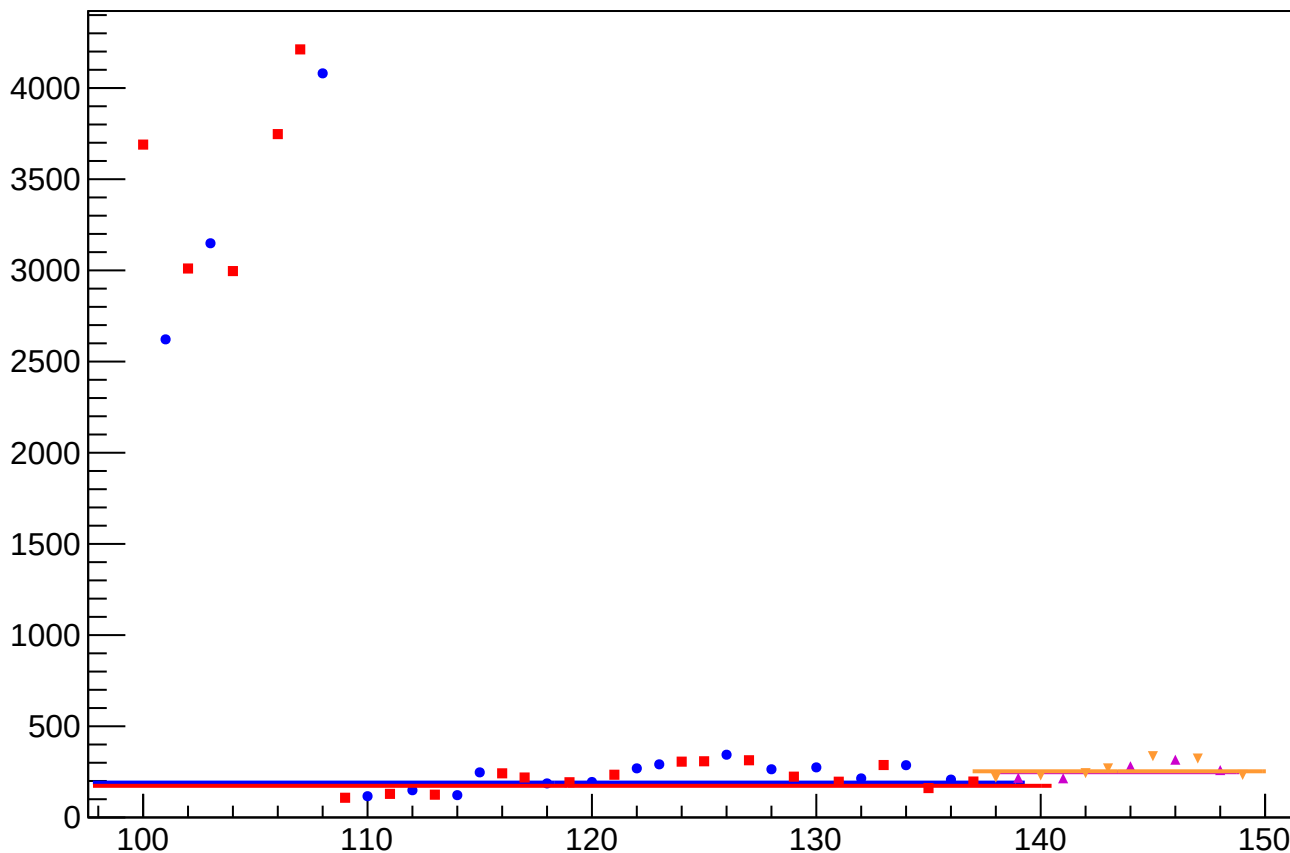
Right Out: -21.600+/-80.665 χ^2/NDF : 11.9/19

Left In: -193.070+/-126.715 χ^2/NDF : 2.1/4

106.551+/-69.823 χ^2/NDF : 13.6/23

-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+/-0.062 χ^2/NDF : 3571747.5/16

Left Out: 253.105+/-0.082 χ^2/NDF :235164.0/6

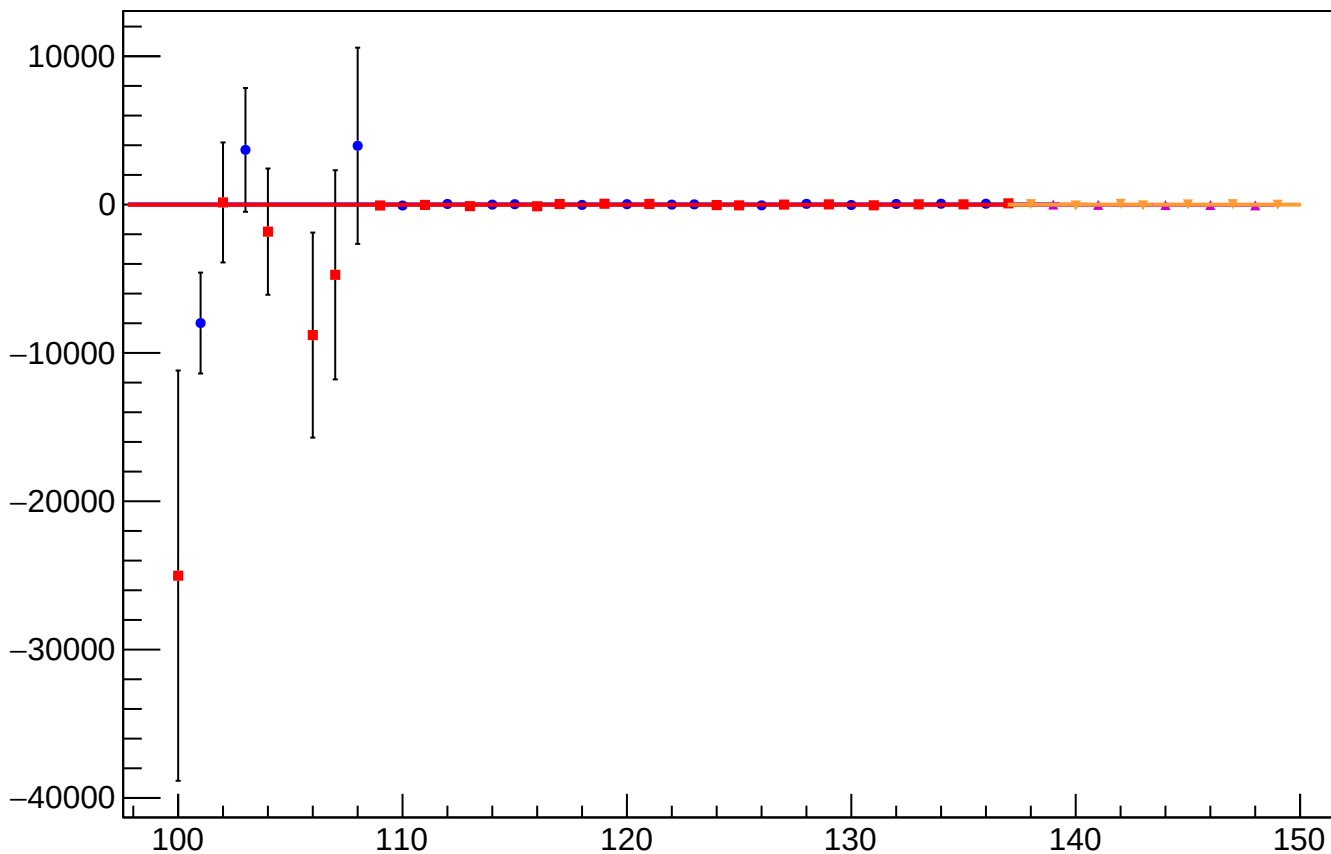
Right Out: 173.536+/-0.057 χ^2/NDF : 4210933.2/19

Left In: 248.148+/-0.090 χ^2/NDF :168443.4/4

213.797+/-0.049 χ^2/NDF : 4171468.1/23

195.053+/-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: -4.674+/-13.601 χ^2/NDF : 7.9/6

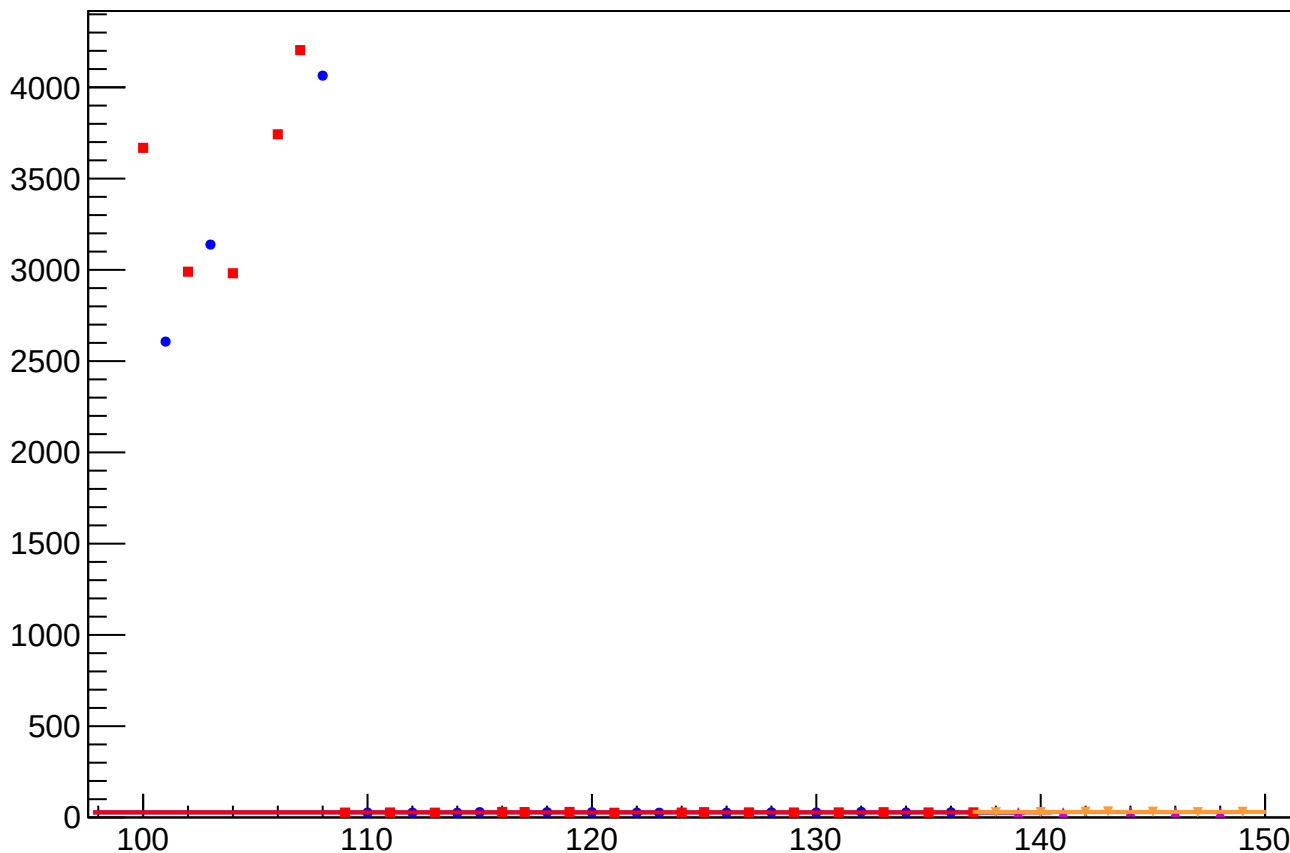
Right Out: -12.573+/-12.182 χ^2/NDF : 24.5/19

Left In: -25.980+/-14.771 χ^2/NDF : 1.5/4

3.684+/-9.077 χ^2/NDF : 26.8/23

-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: 30.249+/-0.010 χ^2 /NDF:20021.6/6

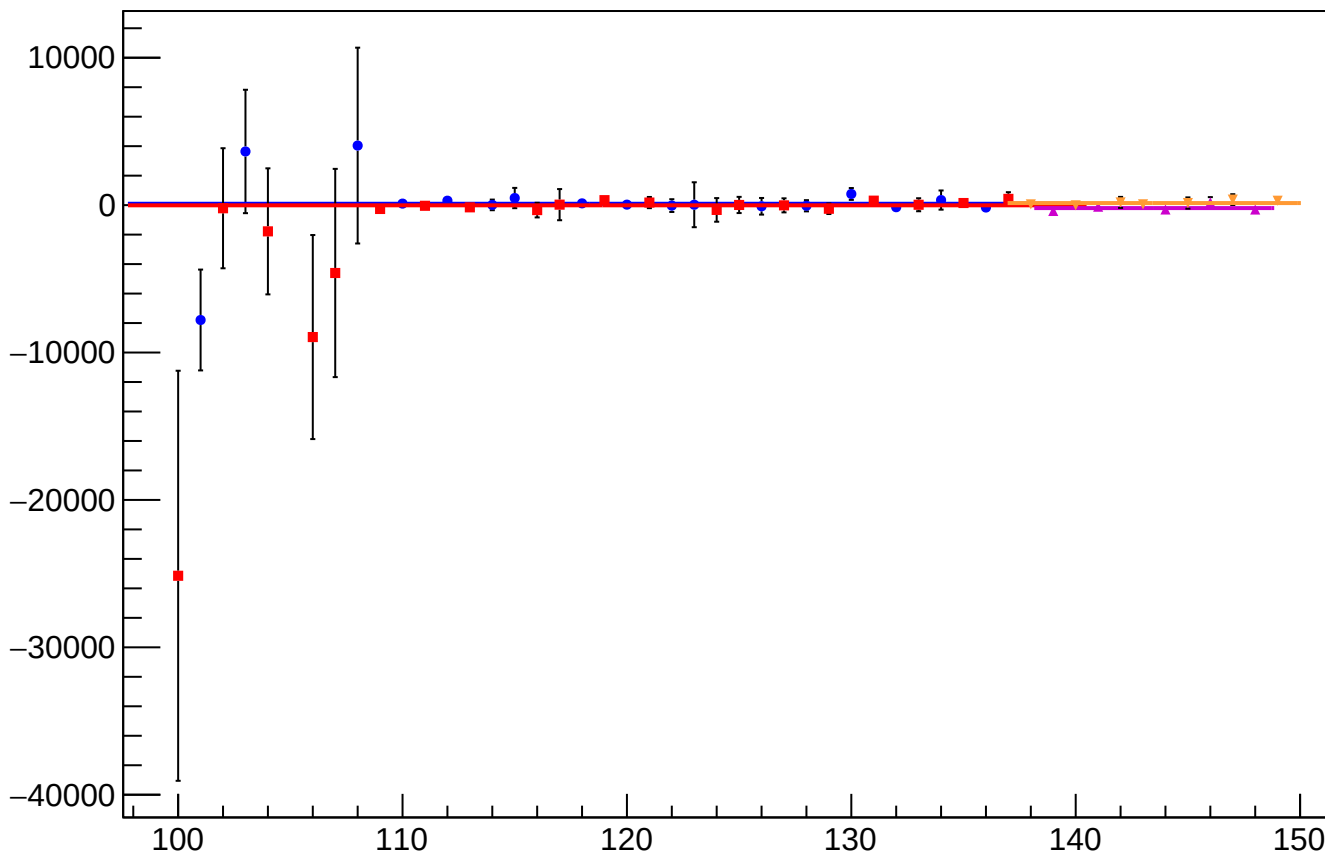
Right Out: 27.706+/-0.009 χ^2 /NDF: 3477080.4/19

Left In: 29.499+/-0.010 χ^2 /NDF:21790.6/4

28.911+/-0.006 χ^2 /NDF: 3081798.6/23

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: 139.965+/-115.307 χ^2/NDF : 1.3/6

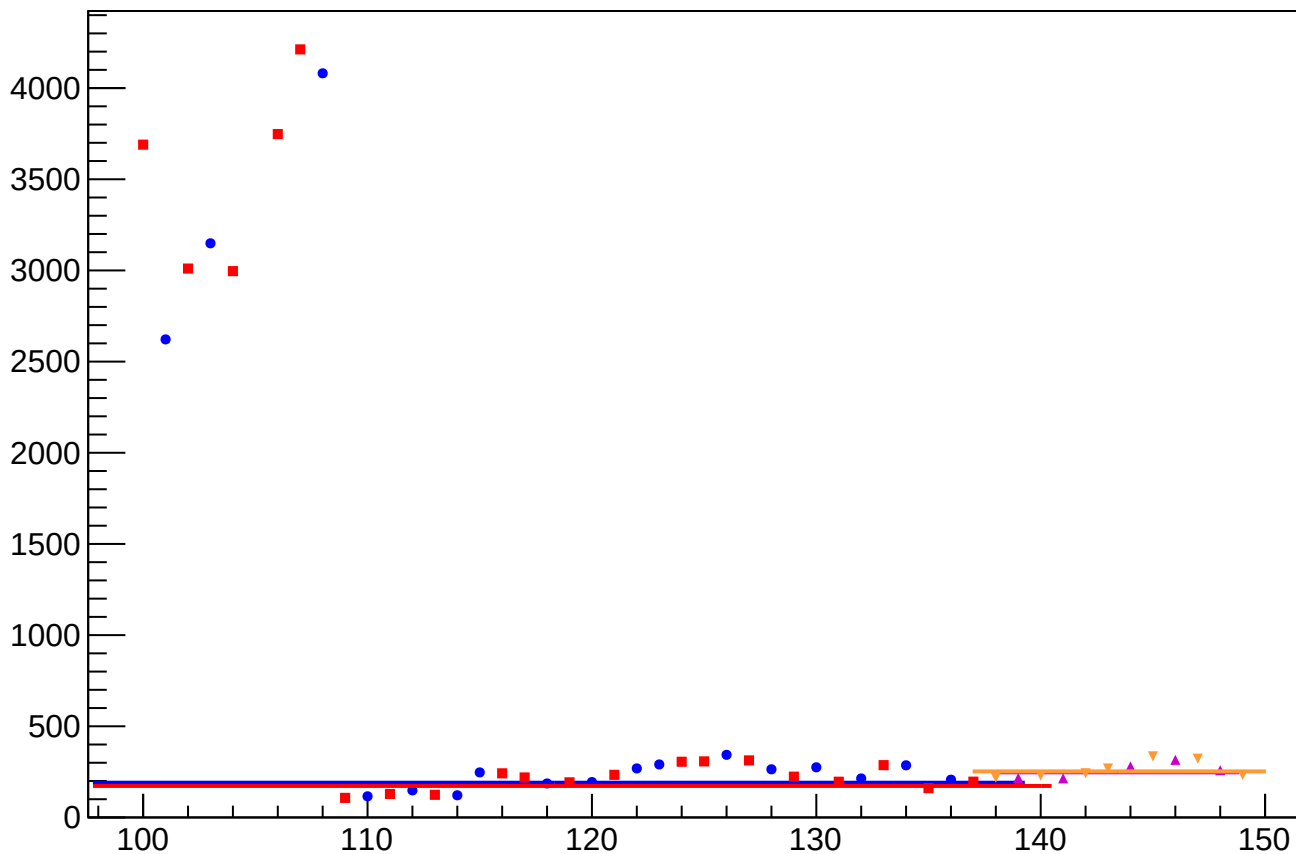
Right Out: -12.509+/-80.407 χ^2/NDF : 12.7/19

Left In: -200.662+/-126.440 χ^2/NDF : 2.1/4

110.025+/-69.632 χ^2/NDF : 14.1/23

-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+/-0.062 χ^2/NDF : 3583573.2/16

Left Out: 252.572+/-0.082 χ^2/NDF : 235214.2/6

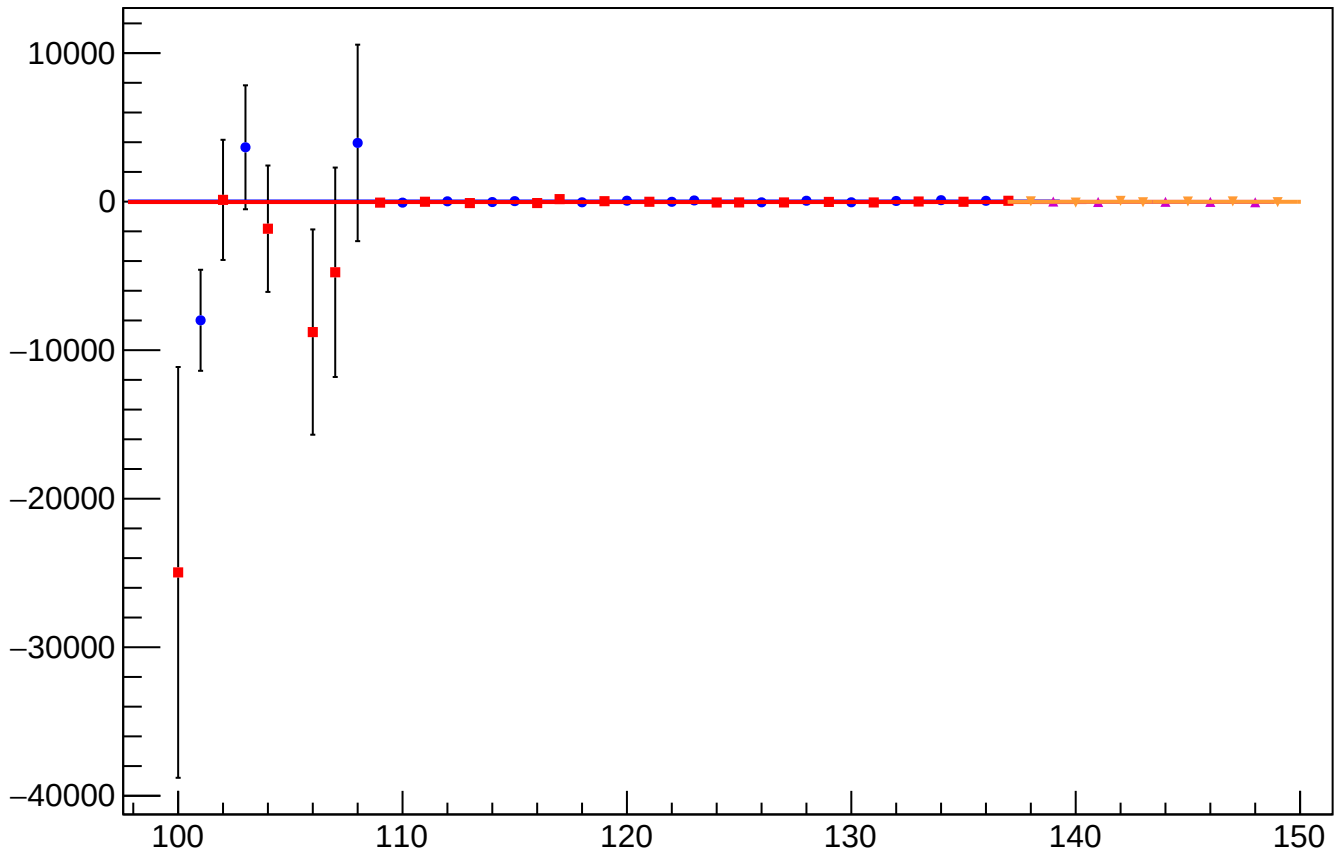
213.126+/-0.049 χ^2/NDF : 4187182.1/23

Right Out: 172.872+/-0.057 χ^2/NDF : 422275.2/19

194.393+/-0.048 χ^2/NDF : 4888089.0/24

Left In: 247.610+/-0.089 χ^2/NDF : 168244.2/4

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: -11.008 $\pm$ 13.698 χ^2 /NDF: 7.1/6

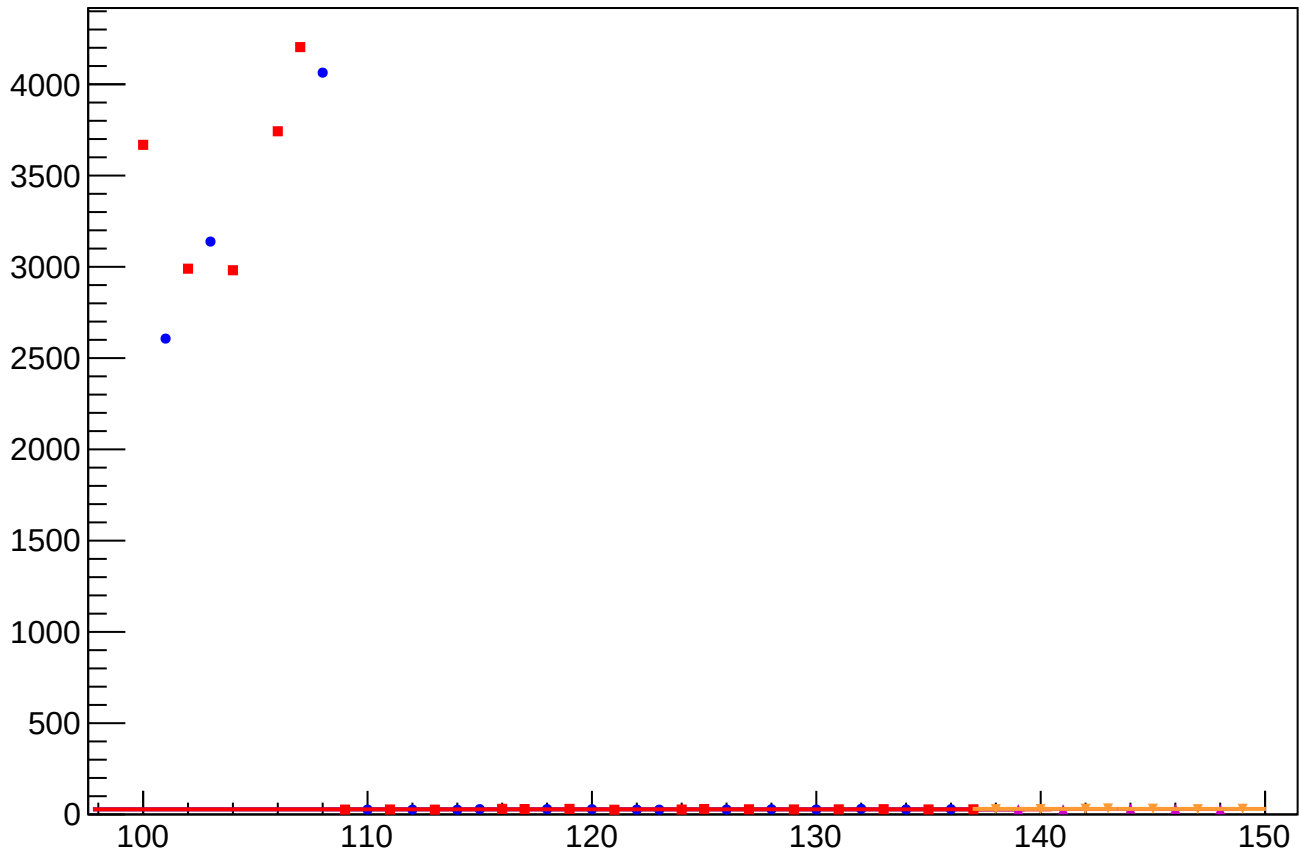
Right Out: -28.128 $\pm$ 12.282 χ^2 /NDF: 18.5/19

Left In: -18.083 $\pm$ 14.866 χ^2 /NDF: 1.1/4

0.423 $\pm$ 9.141 χ^2 /NDF: 31.6/23

-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: 30.463+/-0.010 χ^2 /NDF:19927.1/6

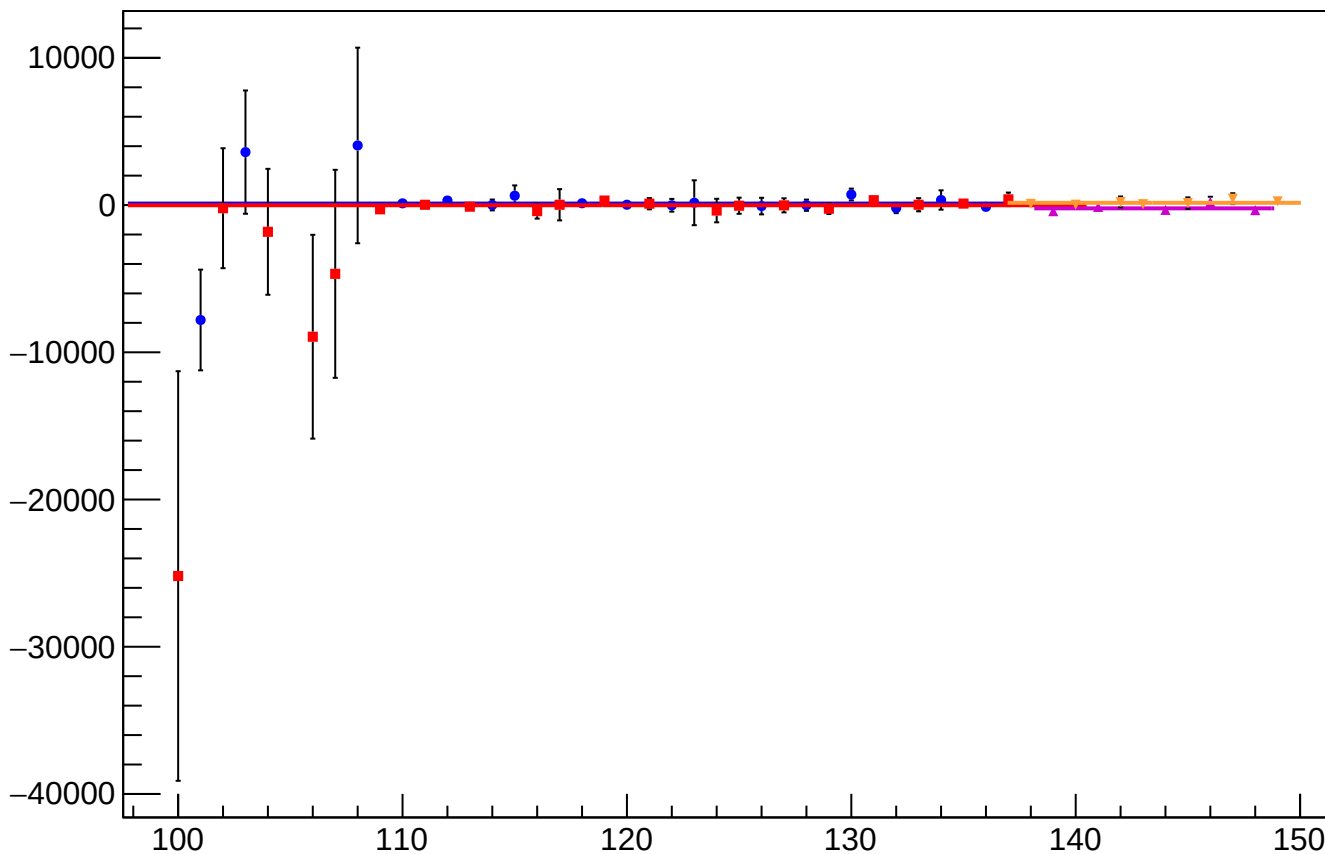
Right Out: 27.929+/-0.009 χ^2 /NDF: 3479867.7/19

Left In: 29.685+/-0.011 χ^2 /NDF:23112.8/4

29.109+/-0.006 χ^2 /NDF: 3082126.8/23

28.641+/-0.007 χ^2 /NDF: 3519559.8/24

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: 152.976 $\pm$ 116.797 χ^2 /NDF:1.1/6

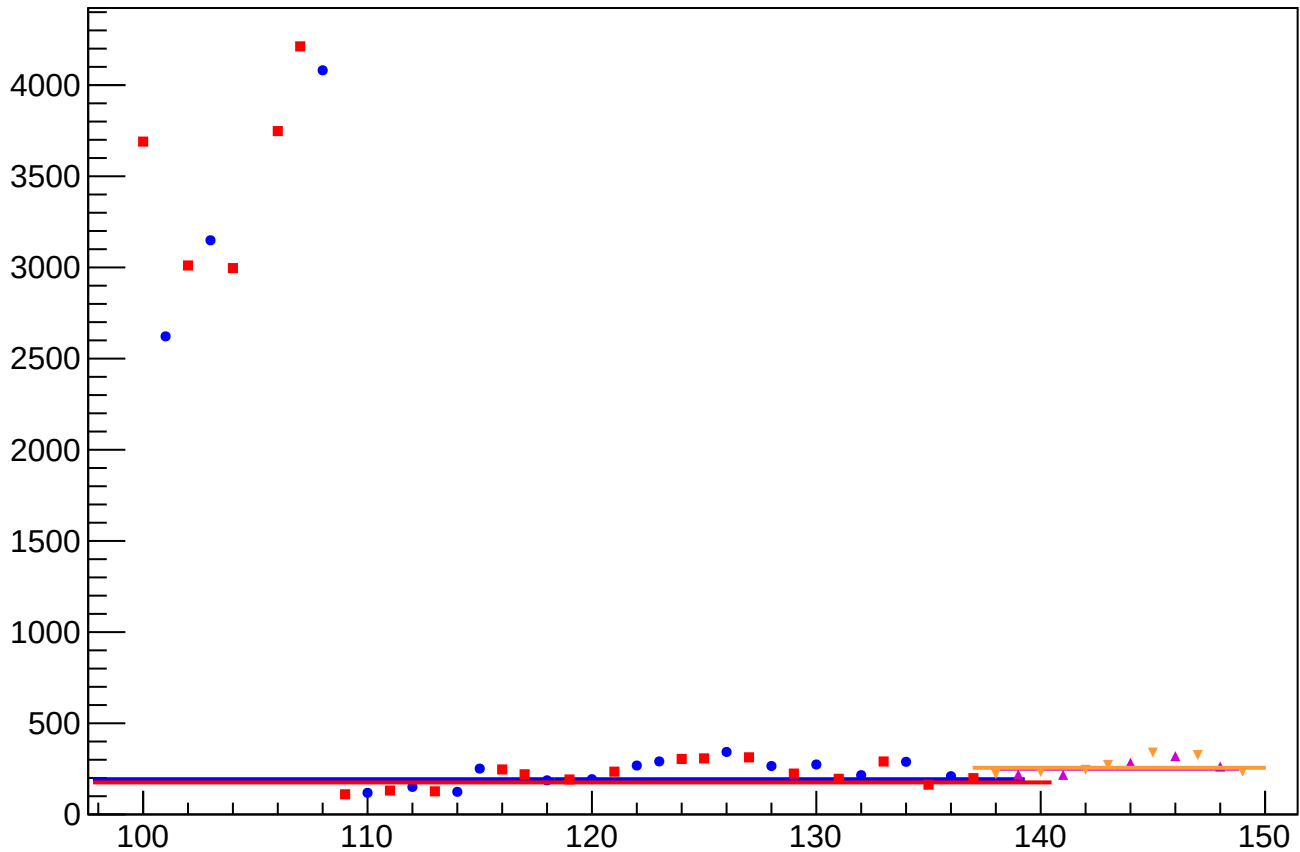
Right Out: -11.037 $\pm$ 81.486 χ^2 /NDF: 12.3/19

Left In: -222.158 $\pm$ 128.068 χ^2 /NDF:2.4/4

120.418 $\pm$ 70.482 χ^2 /NDF: 13.7/23

-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+/-0.063 χ^2/NDF : 3536123.5/16

Left Out: 255.911+/-0.083 χ^2/NDF : 231258.1/6

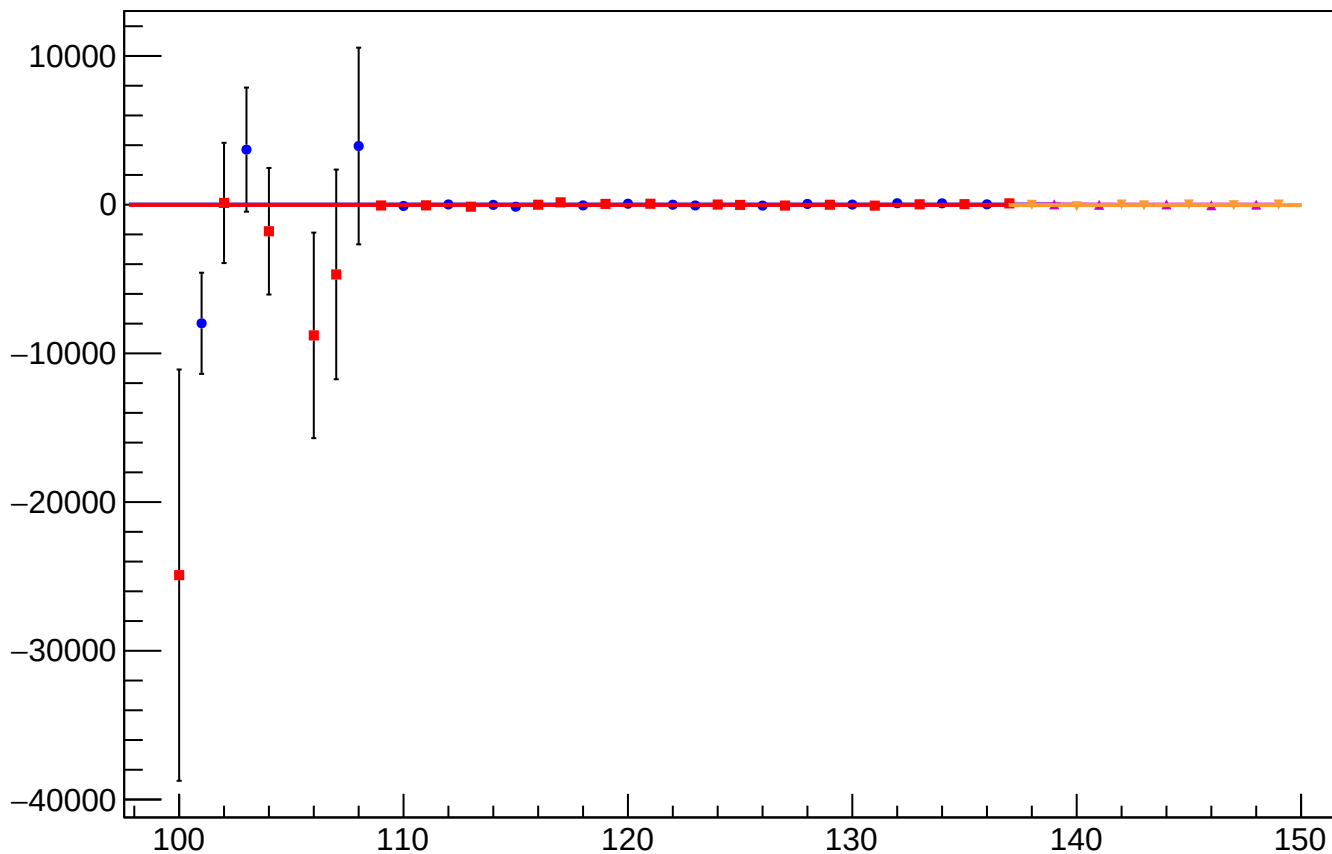
216.031+/-0.050 χ^2/NDF : 4134101.0/23

Right Out: 175.749+/-0.058 χ^2/NDF : 4168935.2/19

197.398+/-0.049 χ^2/NDF : 4825340.4/24

Left In: 250.871+/-0.091 χ^2/NDF : 166573.1/4

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.651 $\pm$ 14.935 χ^2 /NDF: 20.4/16

Left Out: -26.516 $\pm$ 16.120 χ^2 /NDF:6.6/6

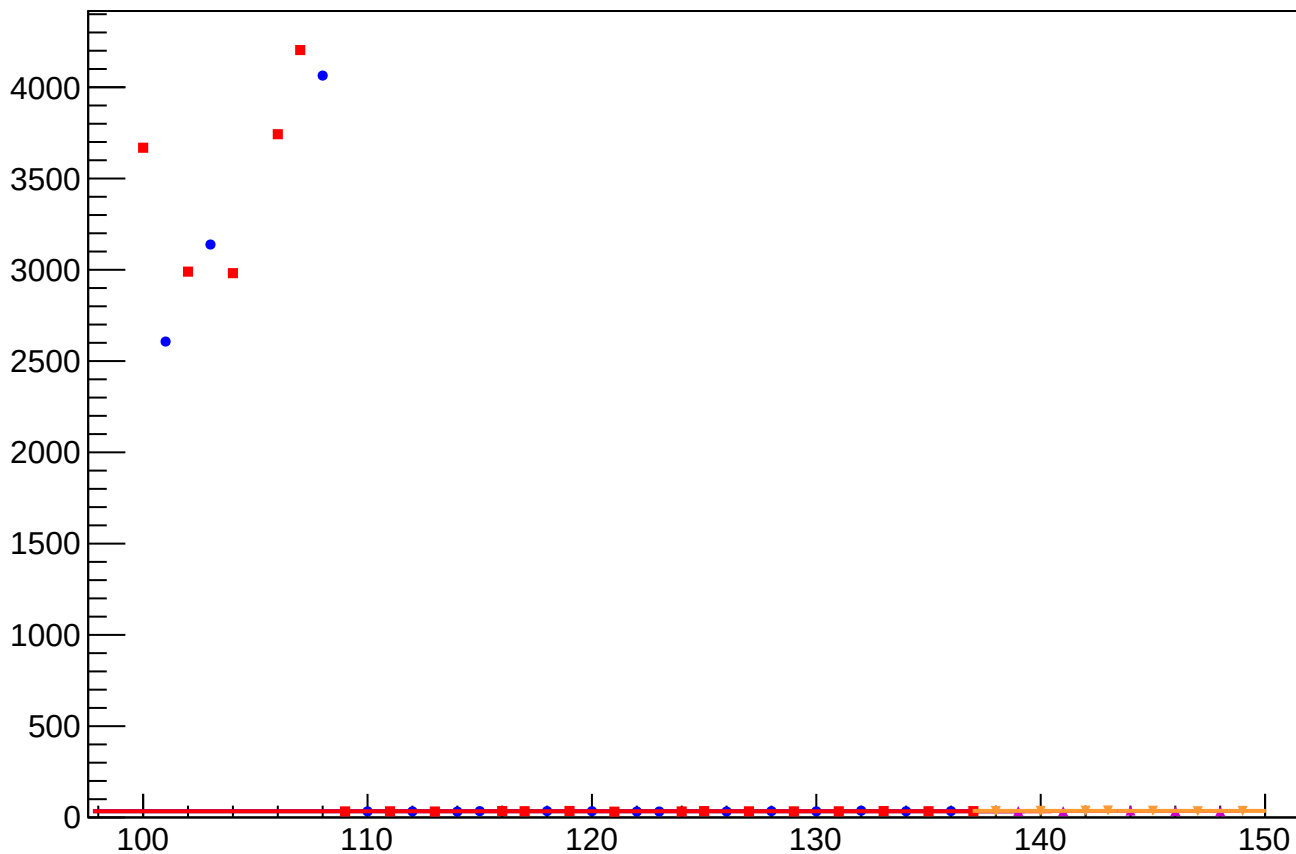
Right Out: -11.101 $\pm$ 14.886 χ^2 /NDF: 22.7/19

Left In: 1.656 $\pm$ 17.633 χ^2 /NDF:1.5/4

-9.745 $\pm$ 10.956 χ^2 /NDF: 29.0/23

-5.793 $\pm$ 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: 35.913 $\pm$ 0.011 χ^2 /NDF:10824.9/6

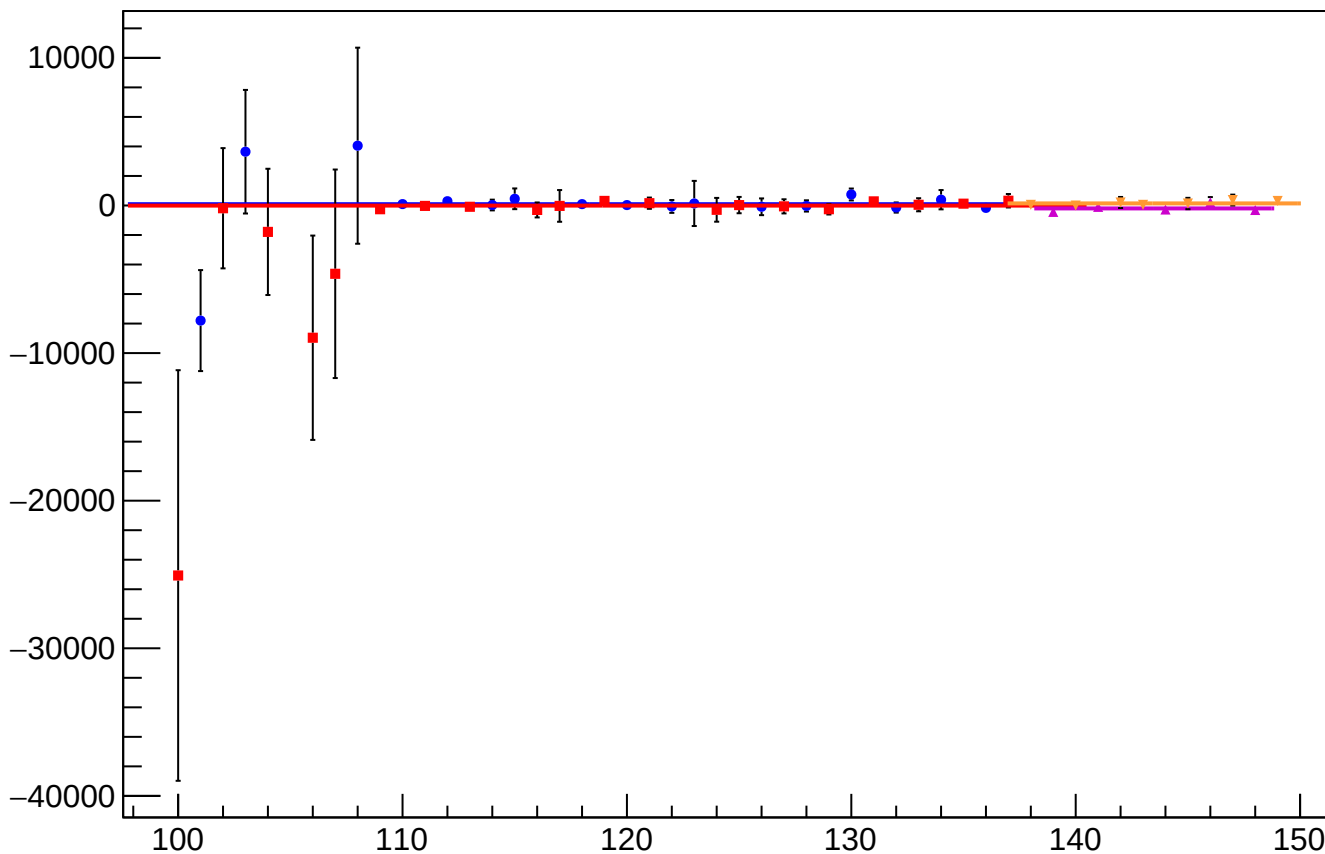
Right Out: 33.915 $\pm$ 0.011 χ^2 /NDF: 3451897.1/19

Left In: 35.267 $\pm$ 0.012 χ^2 /NDF:9660.1/4

34.957 $\pm$ 0.008 χ^2 /NDF: 3030124.6/23

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: 140.298+/-115.886 χ^2/NDF : 1.3/6

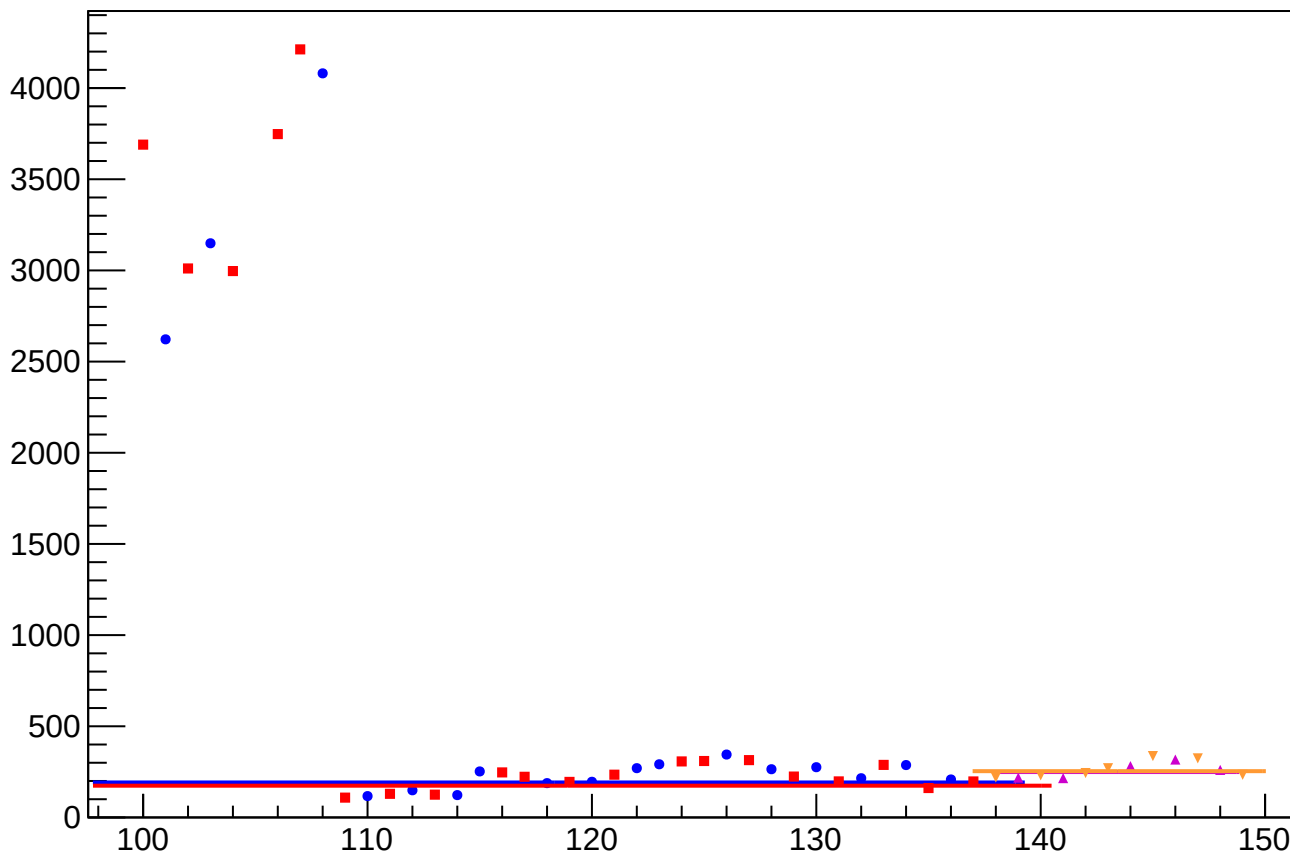
Right Out: -7.420+/-80.977 χ^2/NDF : 11.1/19

Left In: -199.528+/-127.154 χ^2/NDF : 2.5/4

105.870+/-70.057 χ^2/NDF : 13.9/23

-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+/-0.062 χ^2/NDF : 3573060.2/16

Left Out: 253.841+/-0.082 χ^2/NDF : 235367.5/6

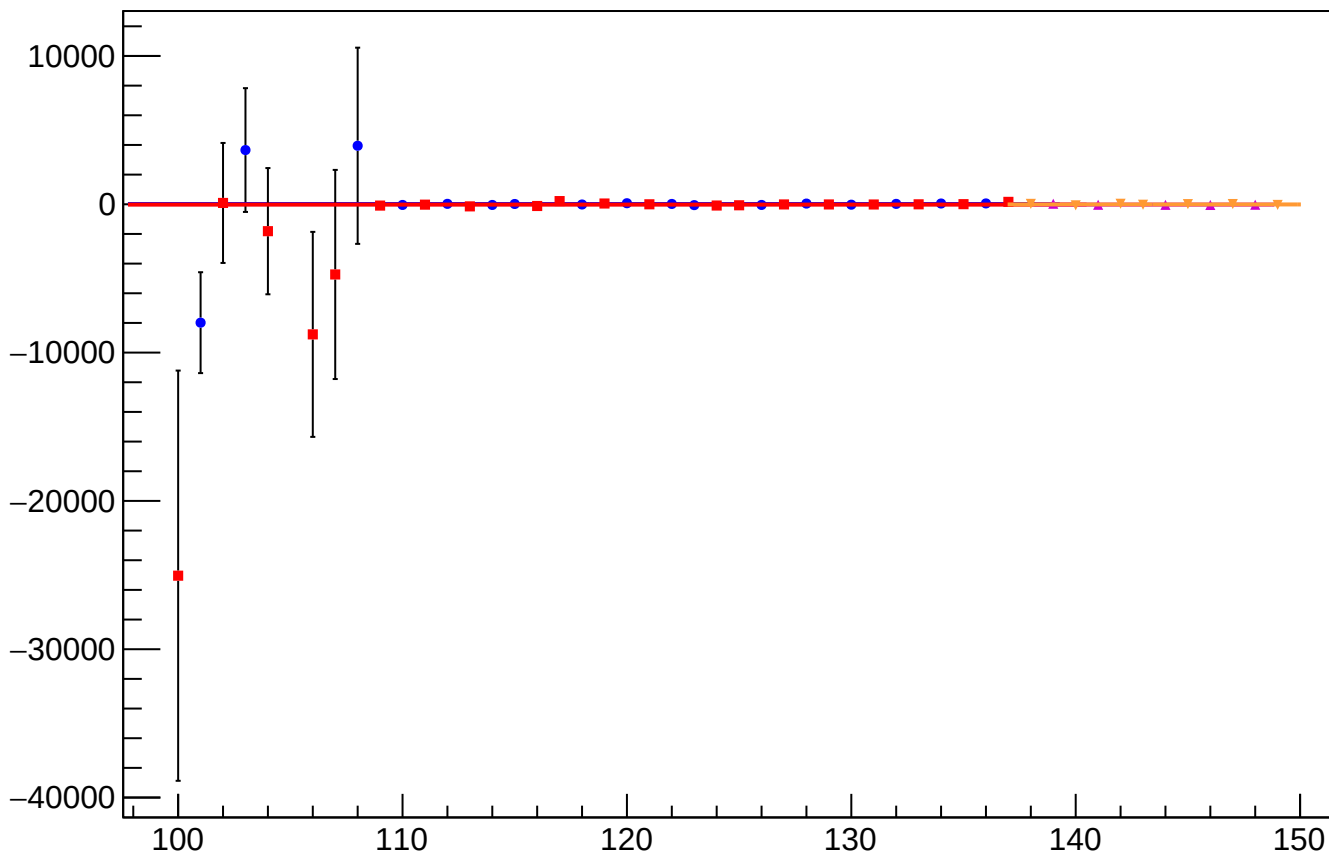
Right Out: 174.207+/-0.057 χ^2/NDF : 4215538.3/19

Left In: 249.038+/-0.090 χ^2/NDF : 167077.9/4

214.524+/-0.050 χ^2/NDF : 4171220.6/23

195.799+/-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: -11.105+/-14.851 χ^2/NDF : 6.5/6

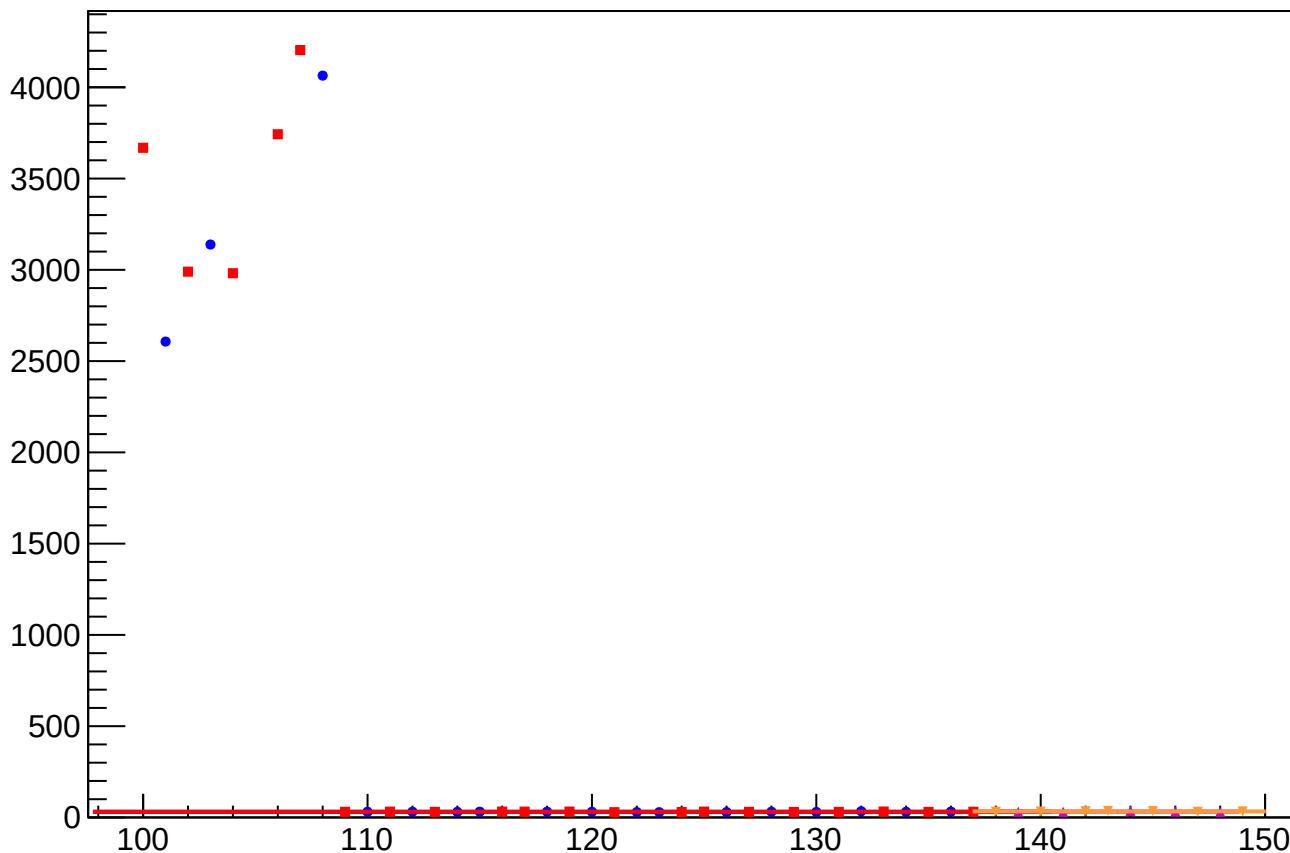
Right Out: -21.490+/-13.601 χ^2/NDF : 29.9/19

Left In: -23.138+/-16.124 χ^2/NDF : 3.1/4

2.599+/-10.037 χ^2/NDF : 23.3/23

-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: 33.042+/-0.011 χ^2/NDF :22774.4/6

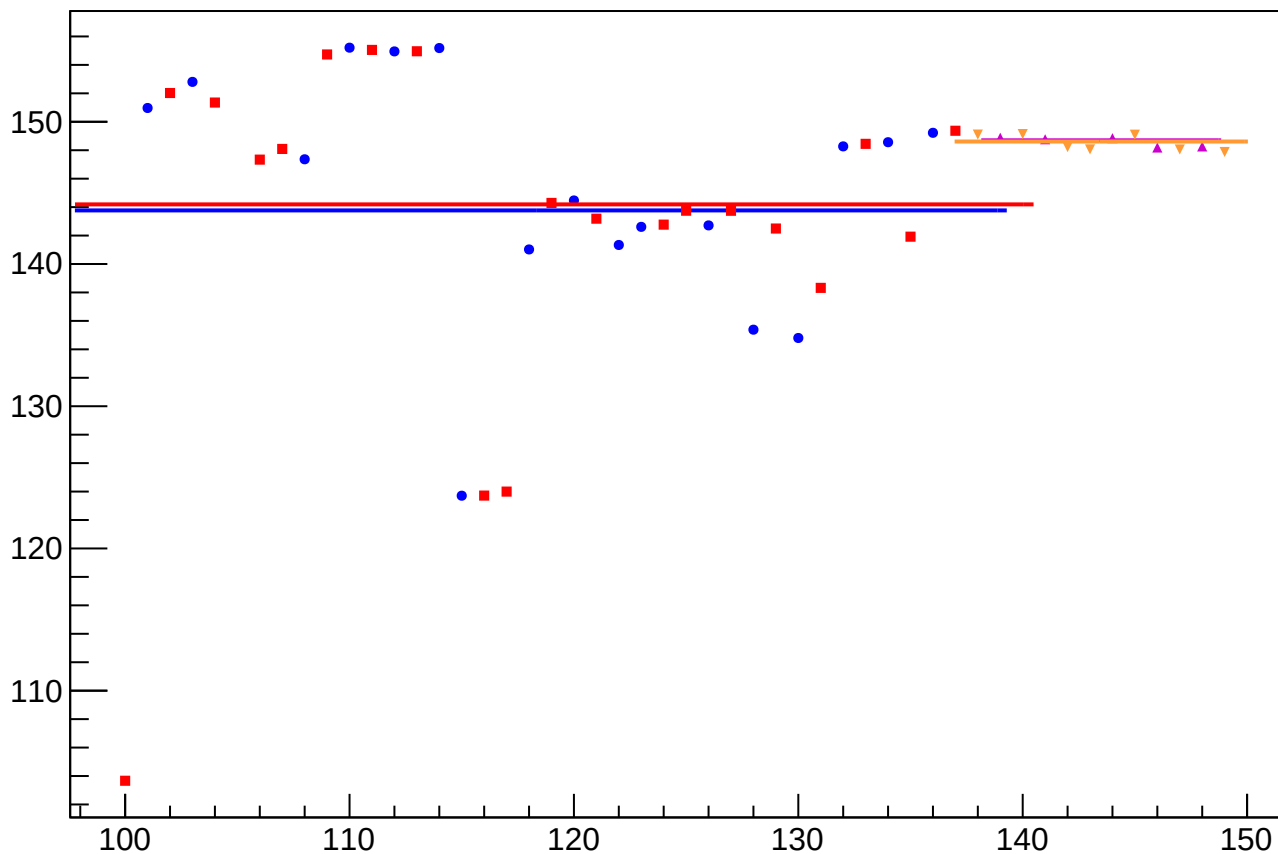
Right Out: 30.970+/-0.010 χ^2/NDF : 3459018.8/19

Left In: 32.221+/-0.011 χ^2/NDF :18915.5/4

32.002+/-0.007 χ^2/NDF : 3055272.5/23

31.490+/-0.007 χ^2/NDF : 3484964.0/24

yield_bcm_an_ds_mean vs Slug



Right In: 143.768+/-0.000 χ^2/NDF : 3532173868.5/16

Left Out: 148.612+/-0.000 χ^2/NDF : 12072638.0/6

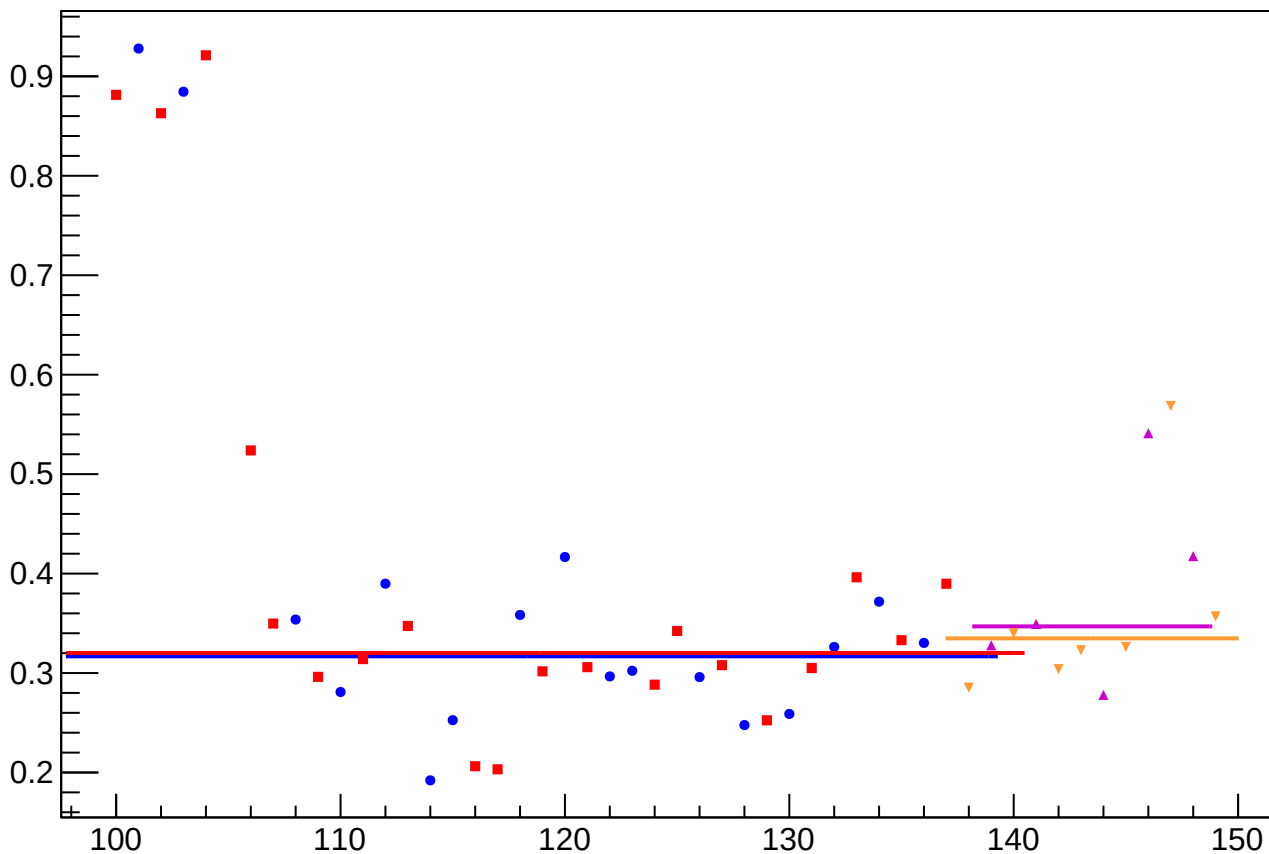
Right Out: 144.192+/-0.000 χ^2/NDF : 4524049993.1/19

Left In: 148.698+/-0.000 χ^2/NDF : 1970418.0/4

145.827+/-0.000 χ^2/NDF : 4099337649.2/23

145.753+/-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: 0.335 ± 0.000 χ^2/NDF : 309269.4/6

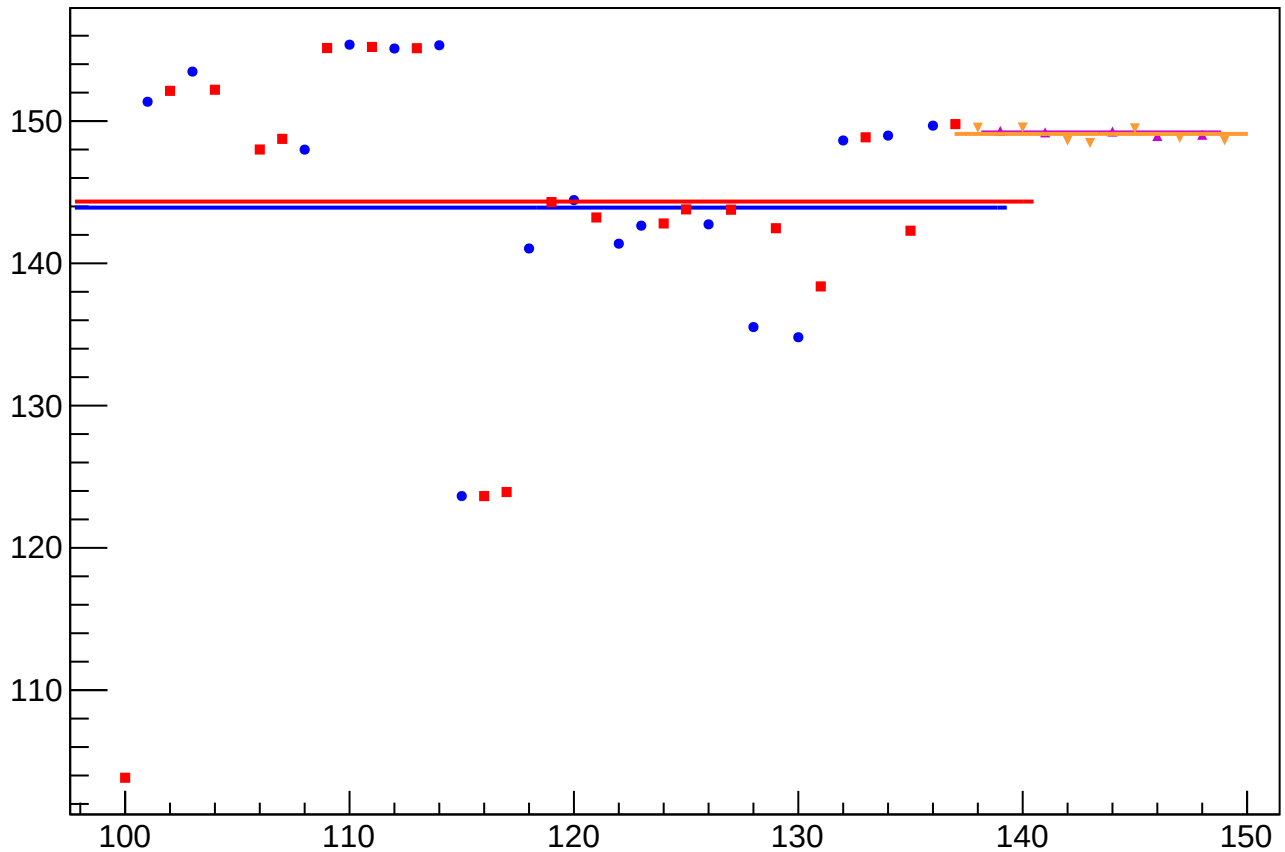
Right Out: 0.320 ± 0.000 χ^2/NDF : 1240600.2/19

Left In: 0.347 ± 0.000 χ^2/NDF : 355130.8/4

0.324 ± 0.000 χ^2/NDF : 1603290.1/23

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: 149.098 ± 0.000 χ^2/NDF : 8798142.8/6

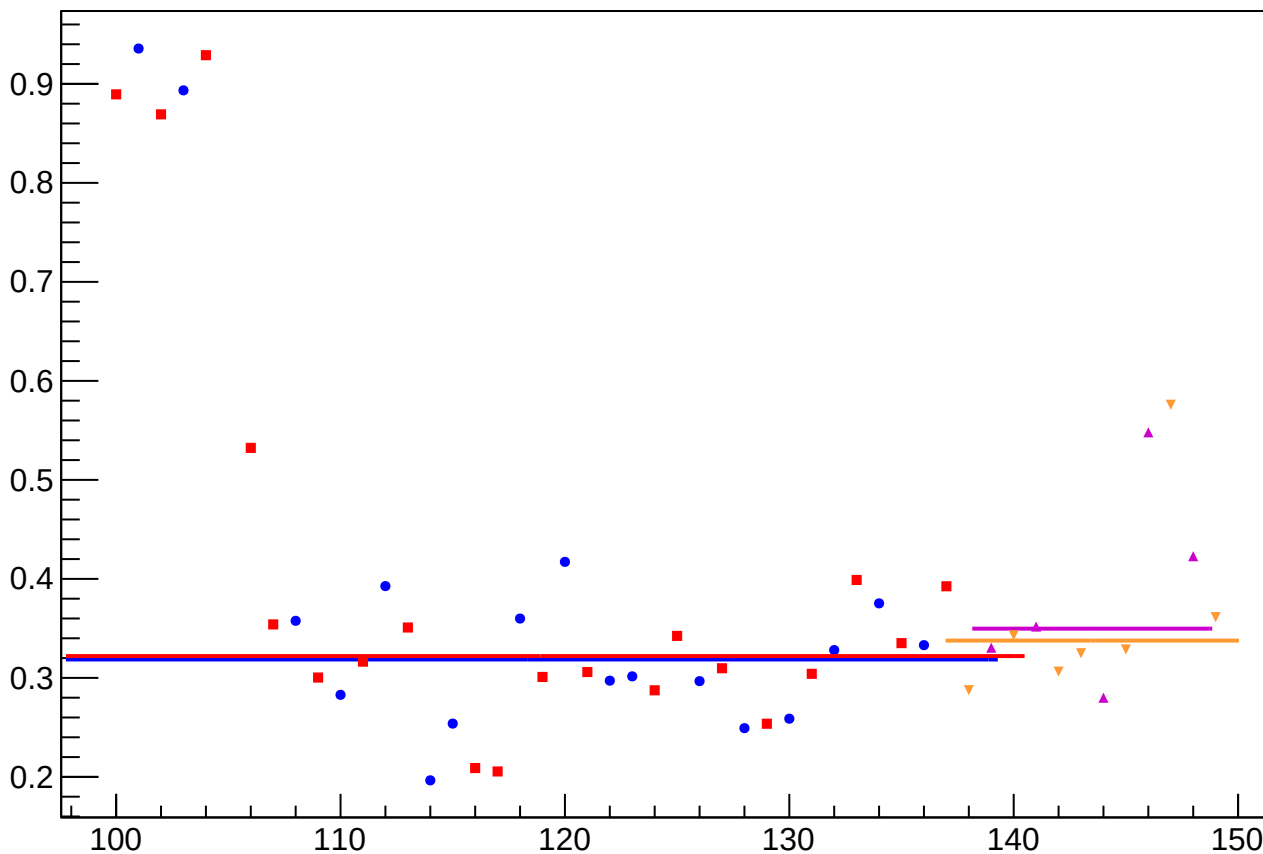
146.112 ± 0.000 χ^2/NDF : 4219493975.5/23

Right Out: 144.342 ± 0.000 χ^2/NDF : 4551365931.0/19

146.020 ± 0.000 χ^2/NDF : 5014210025.4/24

Left In: 149.201 ± 0.000 χ^2/NDF : 377658.8/4

yield_bcm_an_ds3_rms vs Slug



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

Left Out: 0.338 ± 0.000 χ^2/NDF : 313826.1/6

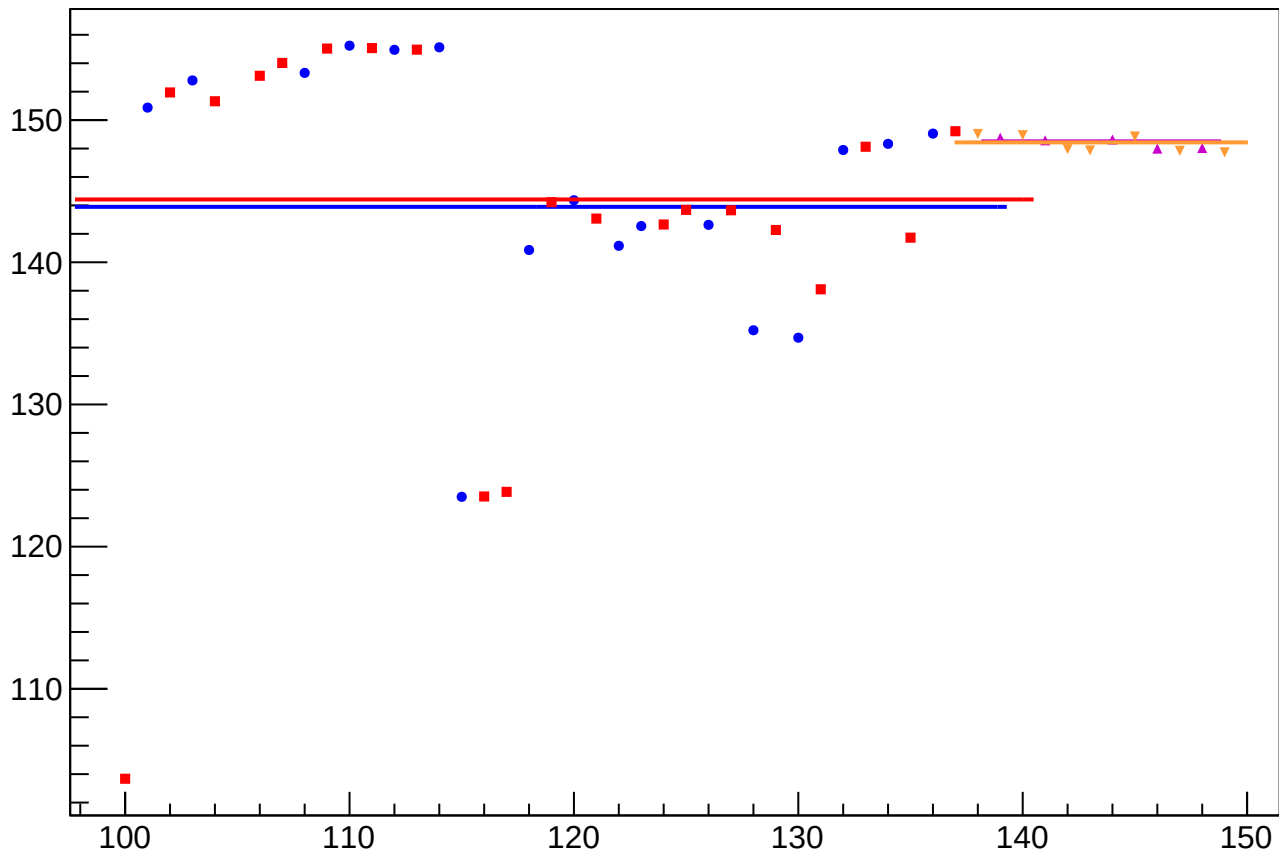
Right Out: 0.322 ± 0.000 χ^2/NDF : 1243109.0/19

Left In: 0.350 ± 0.000 χ^2/NDF : 361581.7/4

0.327 ± 0.000 χ^2/NDF : 1611559.1/23

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: 148.432+/-0.000 χ^2/NDF :12649064.2/6

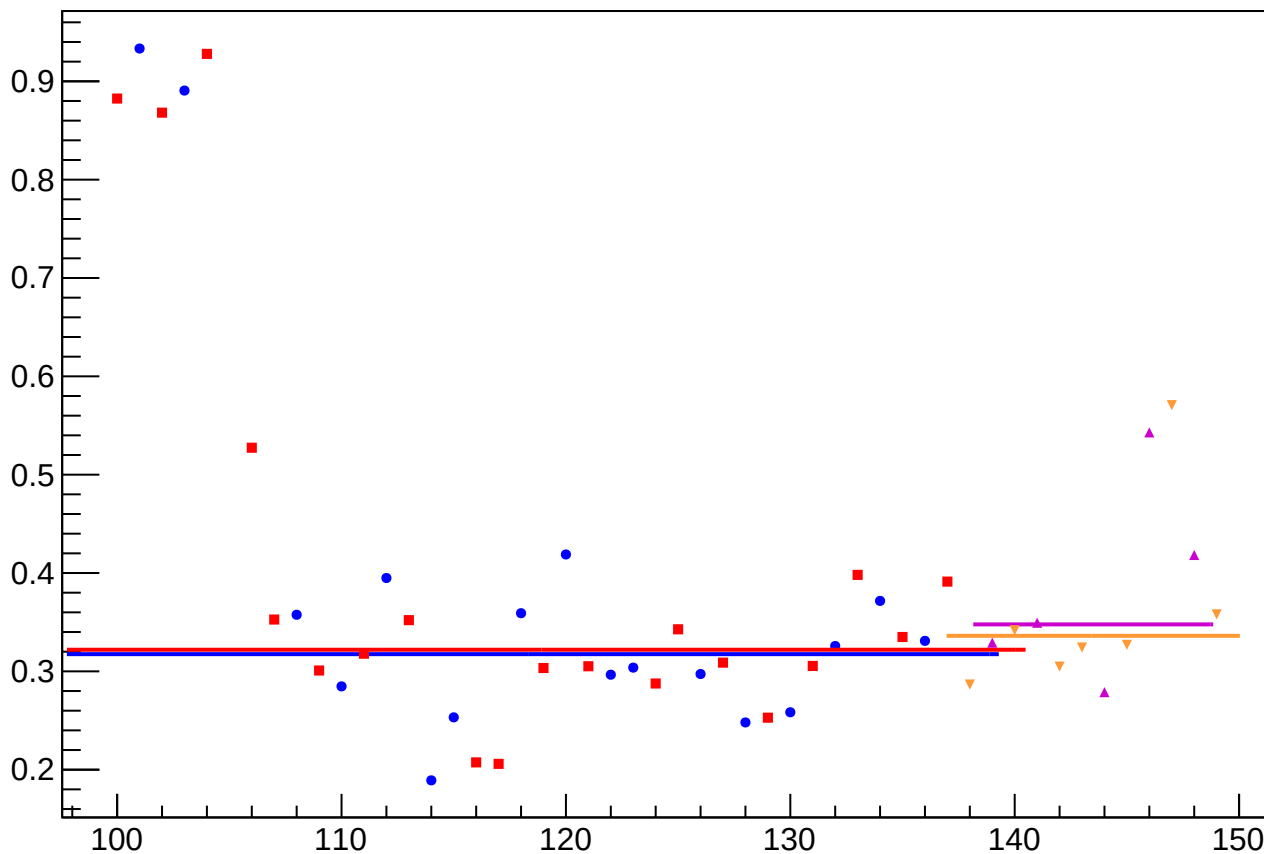
145.824+/-0.000 χ^2/NDF : 4245525994.5/23

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: 0.336 ± 0.000 χ^2/NDF : 308918.5/6

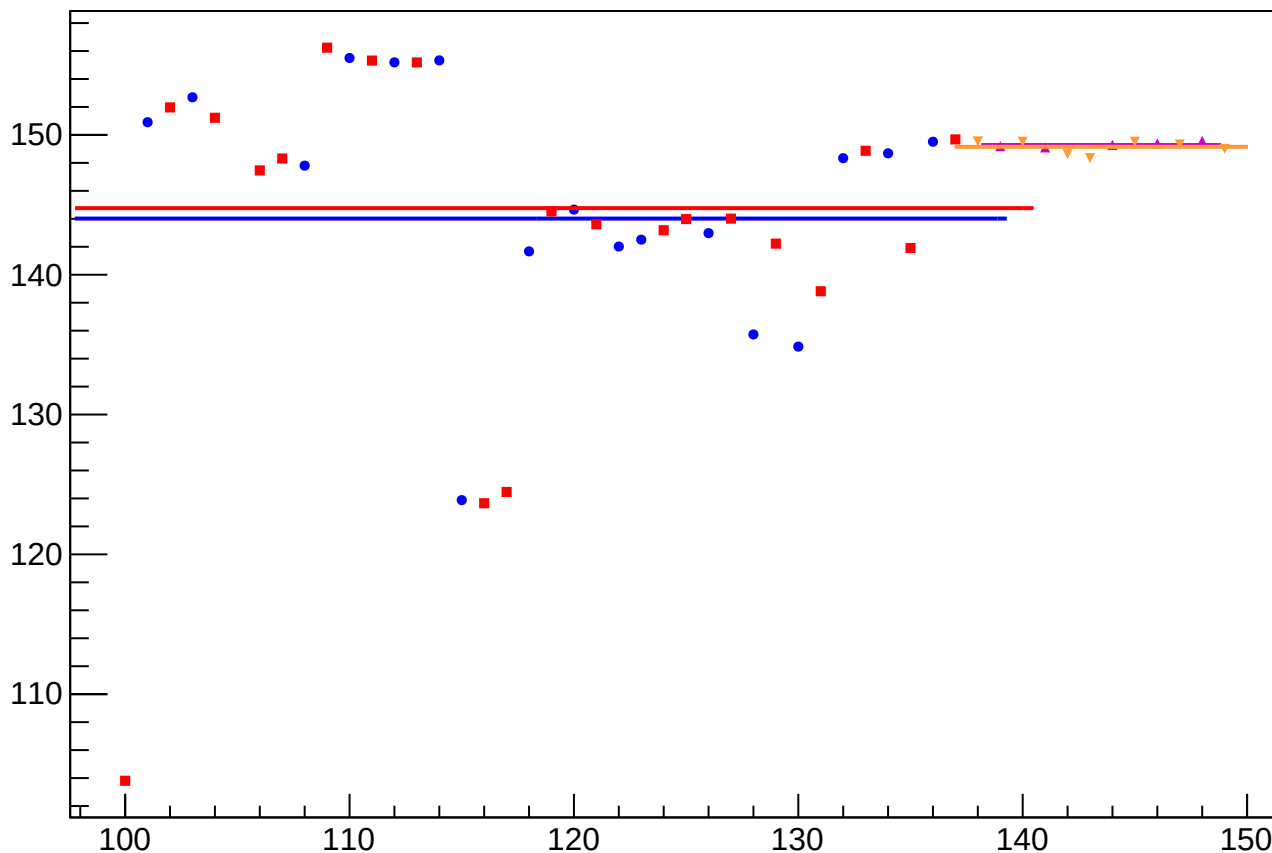
Right Out: 0.322 ± 0.000 χ^2/NDF : 1243703.4/19

Left In: 0.348 ± 0.000 χ^2/NDF : 354902.0/4

0.325 ± 0.000 χ^2/NDF : 1618446.9/23

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: 149.150 ± 0.000 χ^2/NDF : 7438925.1/6

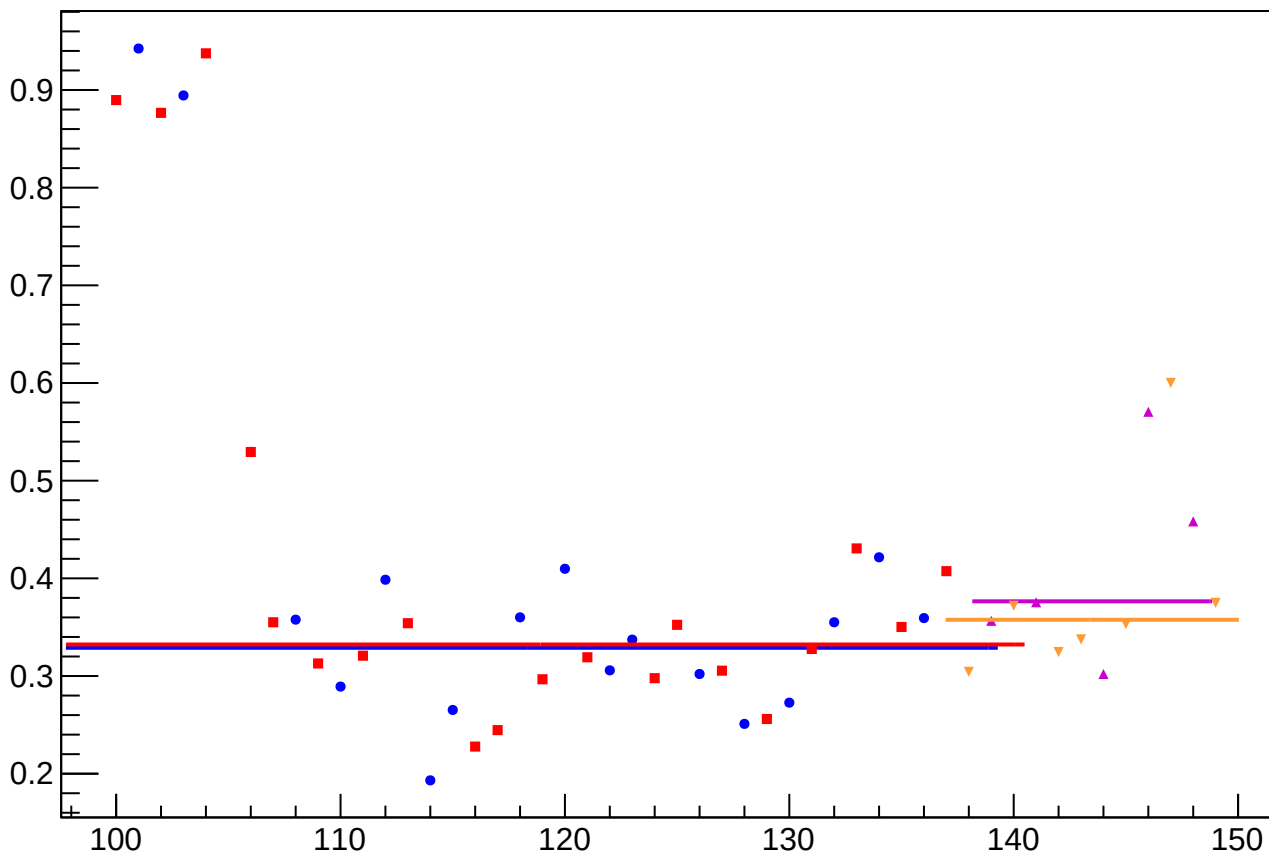
Right Out: 144.764 ± 0.000 χ^2/NDF : 4098462011.9/19

Left In: 149.276 ± 0.000 χ^2/NDF : 563122.2/4

146.124 ± 0.000 χ^2/NDF : 3801462441.7/23

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: 0.358 ± 0.000 χ^2/NDF : 300401.7/6

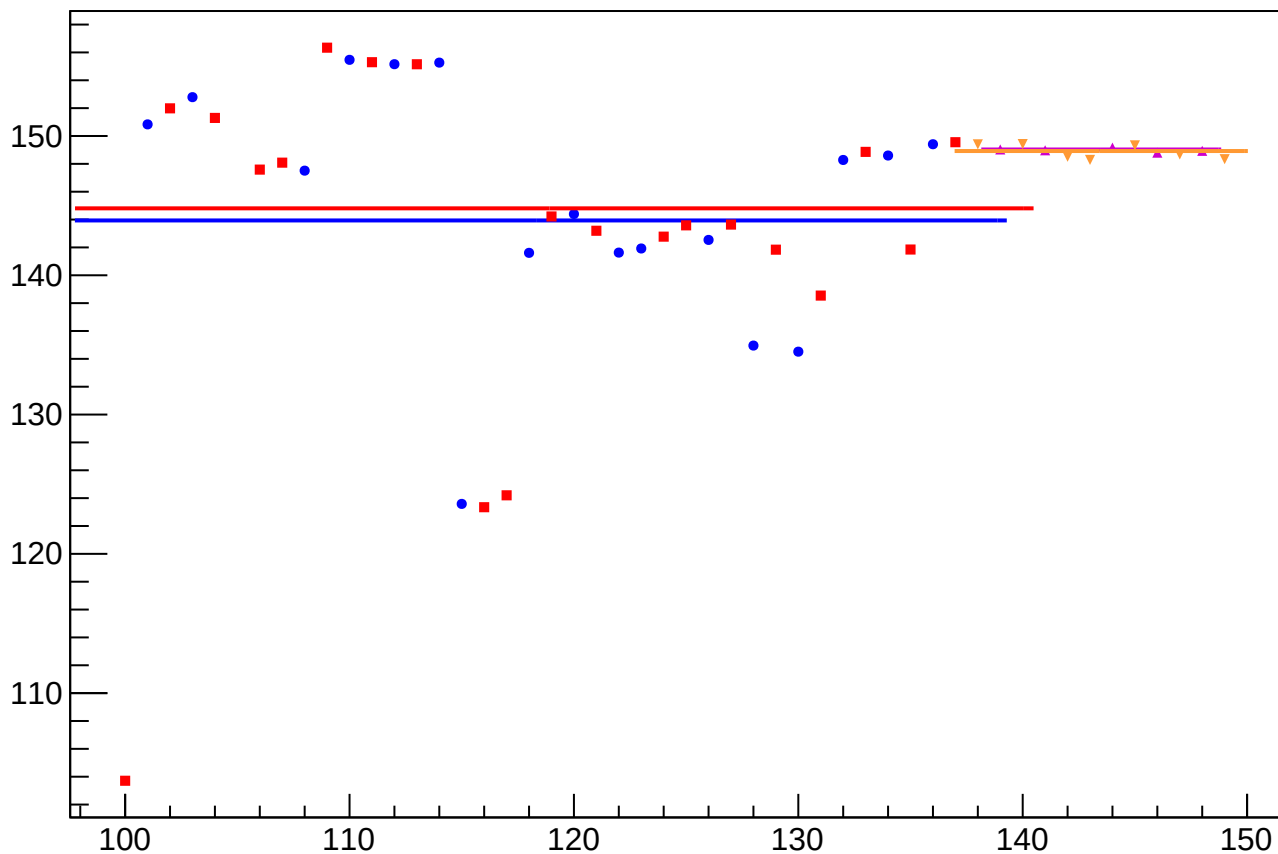
Right Out: 0.332 ± 0.000 χ^2/NDF : 1191637.2/19

Left In: 0.376 ± 0.000 χ^2/NDF : 335166.9/4

0.341 ± 0.000 χ^2/NDF : 1611132.7/23

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: 148.921 $\pm$ 0.000 χ^2/NDF : 8929637.6/6

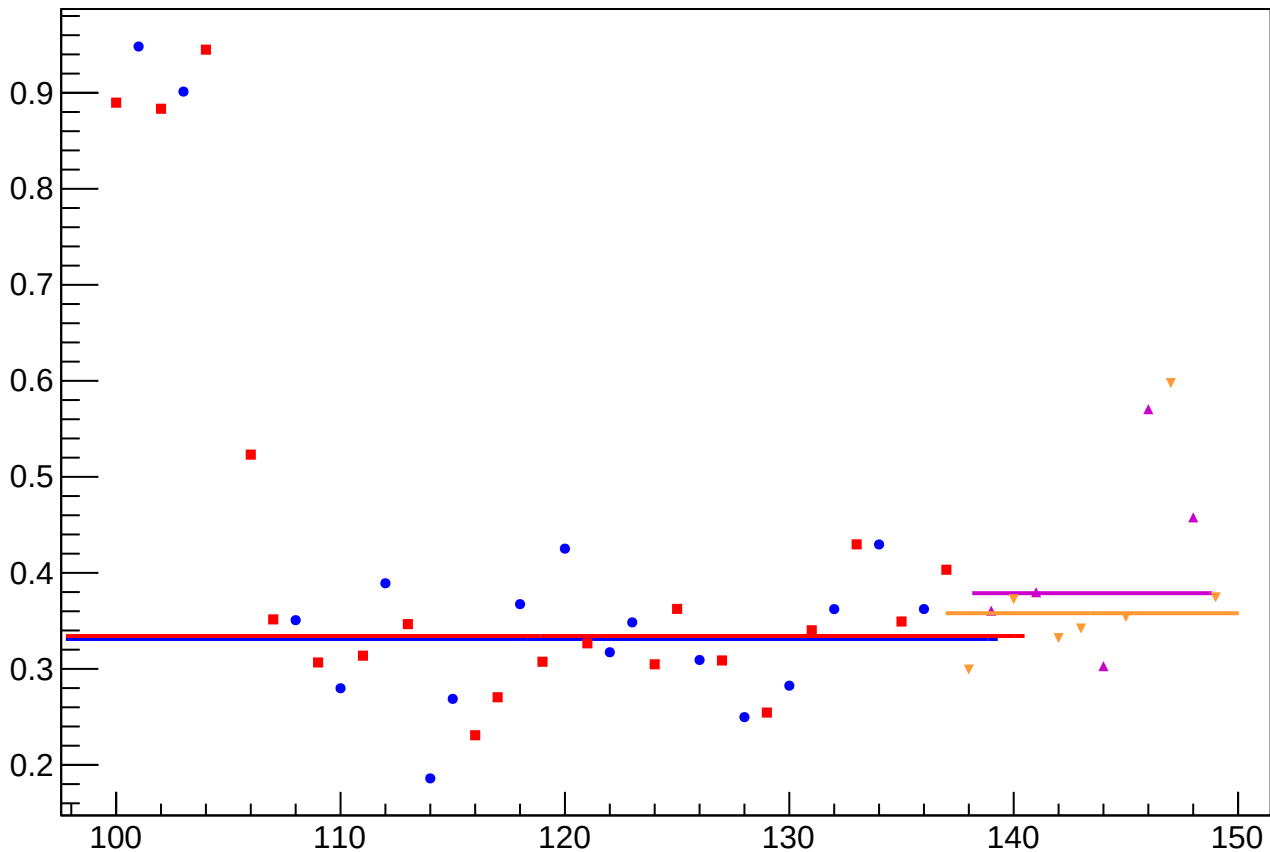
Right Out: 144.806 $\pm$ 0.000 χ^2/NDF : 4139087143.3/19

Left In: 149.031 $\pm$ 0.000 χ^2/NDF : 342091.4/4

145.996 $\pm$ 0.000 χ^2/NDF : 3906380485.3/23

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: 0.358 ± 0.000 χ^2/NDF : 301314.7/6

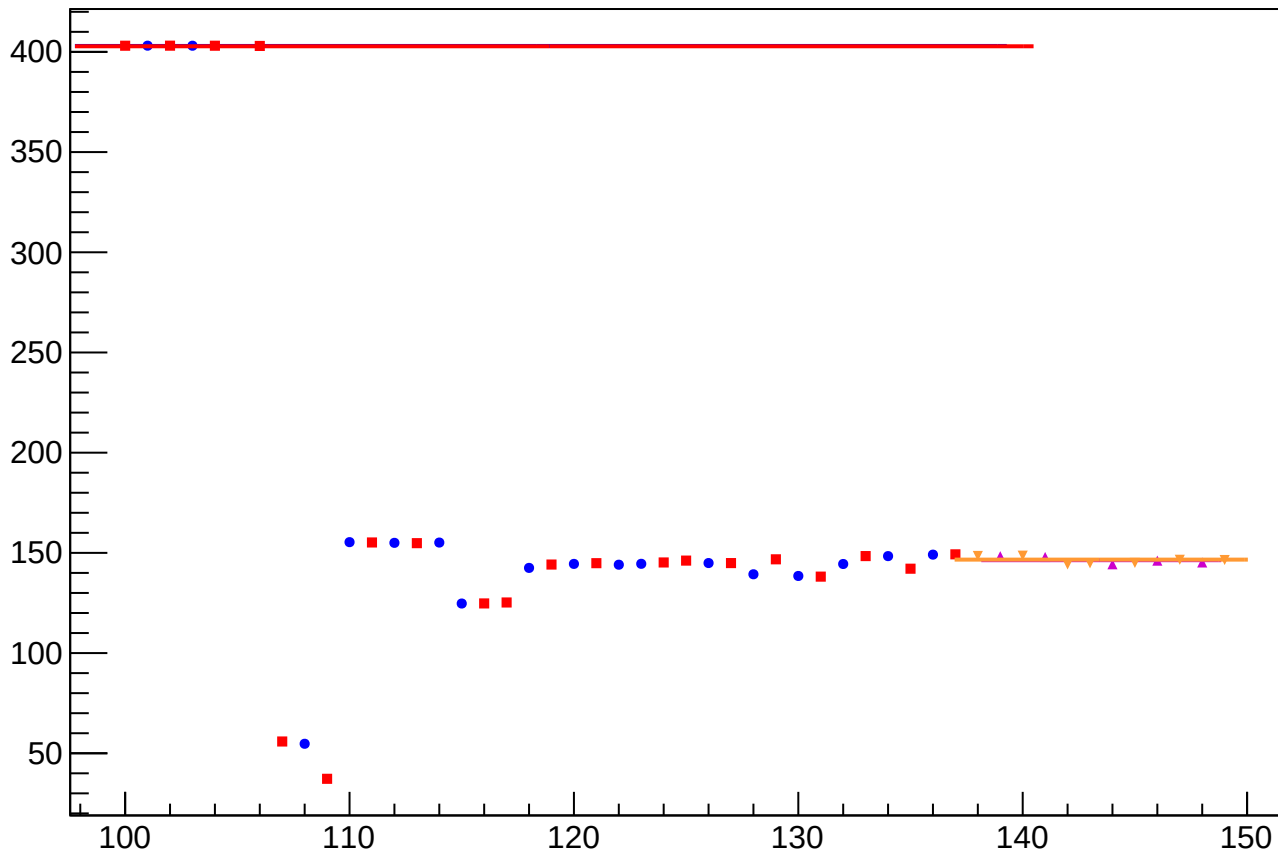
Right Out: 0.334 ± 0.000 χ^2/NDF : 1176170.4/19

Left In: 0.379 ± 0.000 χ^2/NDF : 329068.9/4

0.342 ± 0.000 χ^2/NDF : 1627048.1/23

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: 146.636 $\pm$ 0.000 χ^2 /NDF: 21627060.1/6

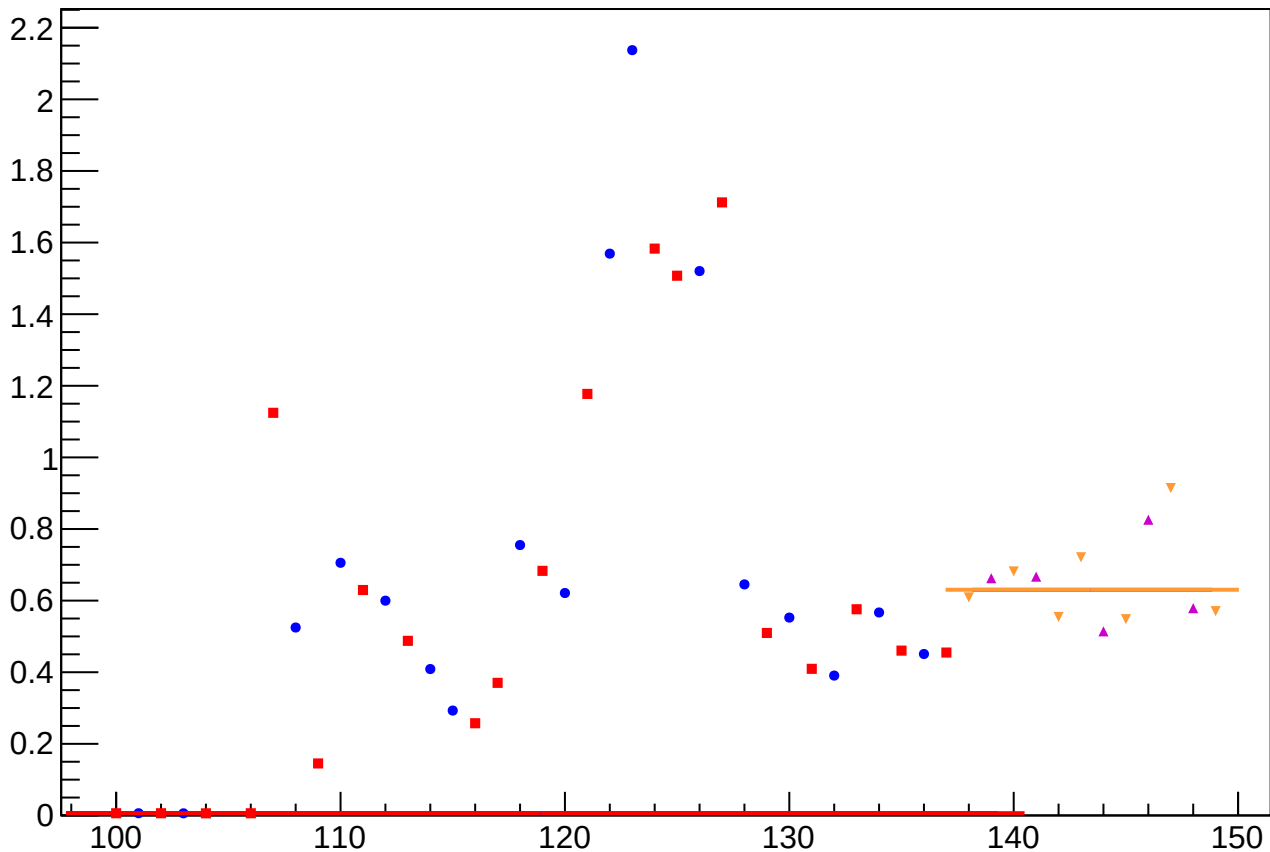
Right Out: 402.797 $\pm$ 0.000 χ^2 /NDF: 3122752044607.2/19

Left In: 146.351 $\pm$ 0.000 χ^2 /NDF: 17548916.6/4

402.891 $\pm$ 0.000 χ^2 /NDF: 1625792248571.0/23

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: 0.630+/-0.000 χ^2/NDF :157923.0/6

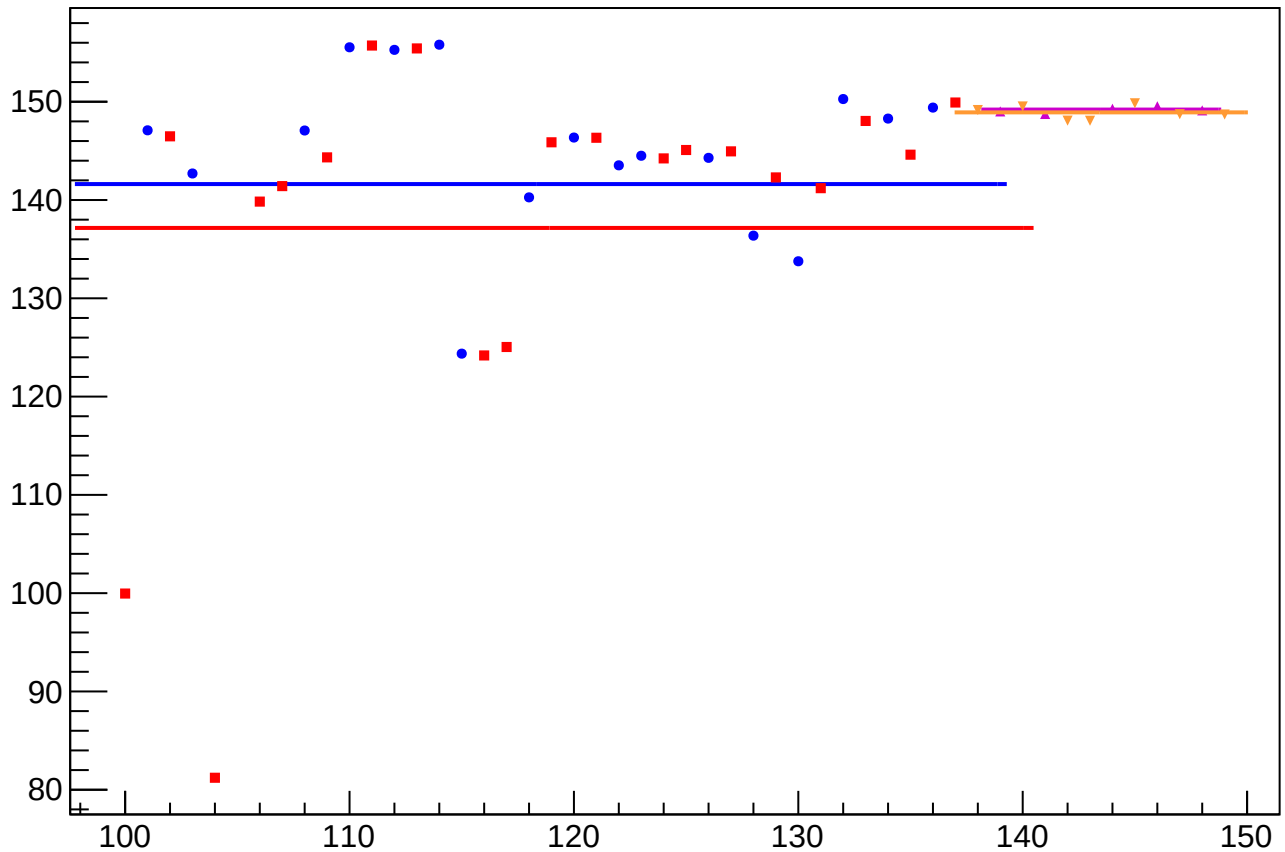
Right Out: 0.006+/-0.000 χ^2/NDF : 9277290.2/19

Left In: 0.630+/-0.000 χ^2/NDF :119698.6/4

0.006+/-0.000 χ^2/NDF : 15590255.6/23

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: 148.917+/-0.000 χ^2/NDF : 6722882.3/6

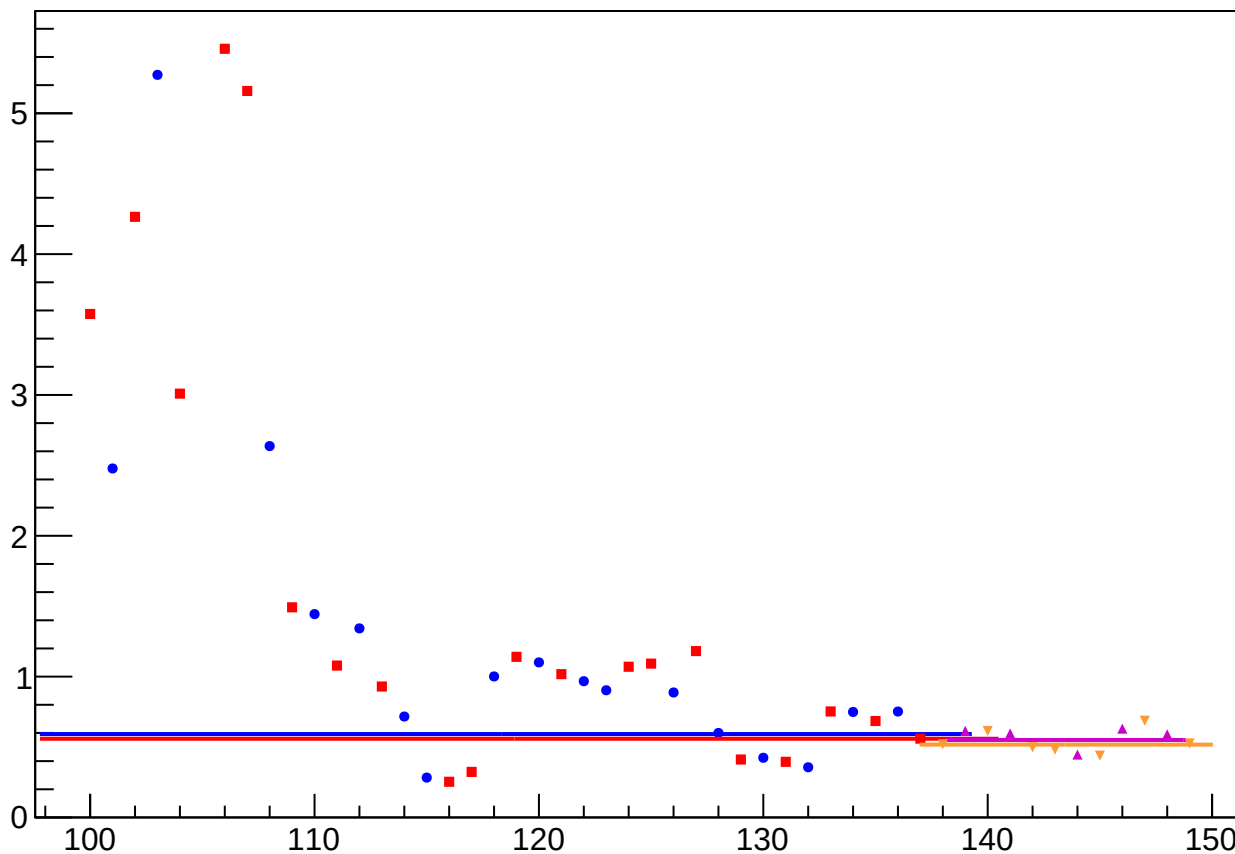
Right Out: 137.160+/-0.000 χ^2/NDF : 1365742338.8/19

Left In: 149.202+/-0.000 χ^2/NDF : 587511.5/4

145.924+/-0.000 χ^2/NDF : 1306310333.1/23

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: 0.517+/-0.000 χ^2/NDF :162676.3/6

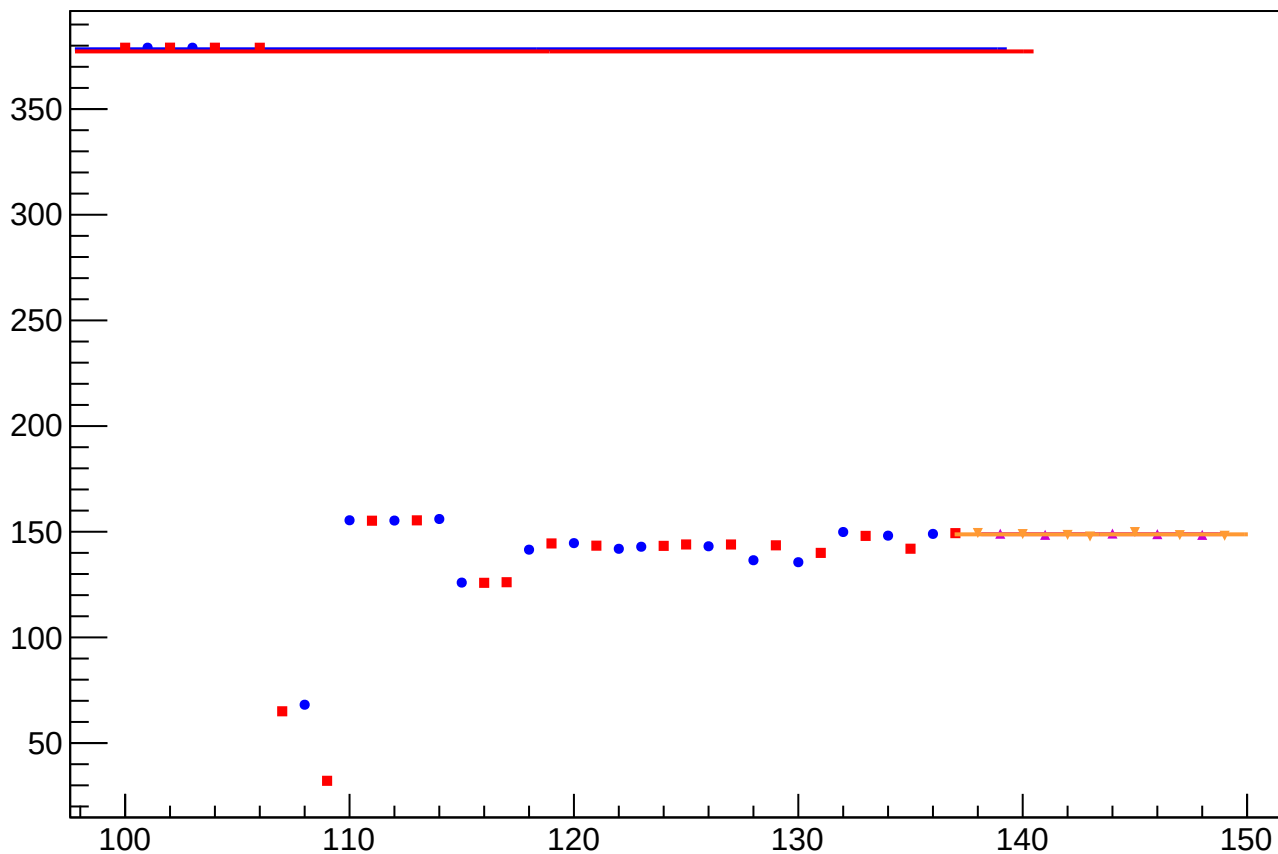
Right Out: 0.559+/-0.000 χ^2/NDF : 4719868.1/19

Left In: 0.550+/-0.000 χ^2/NDF :125920.6/4

0.548+/-0.000 χ^2/NDF : 3751416.7/23

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: 148.768+/-0.000 χ^2/NDF : 16211298.6/6

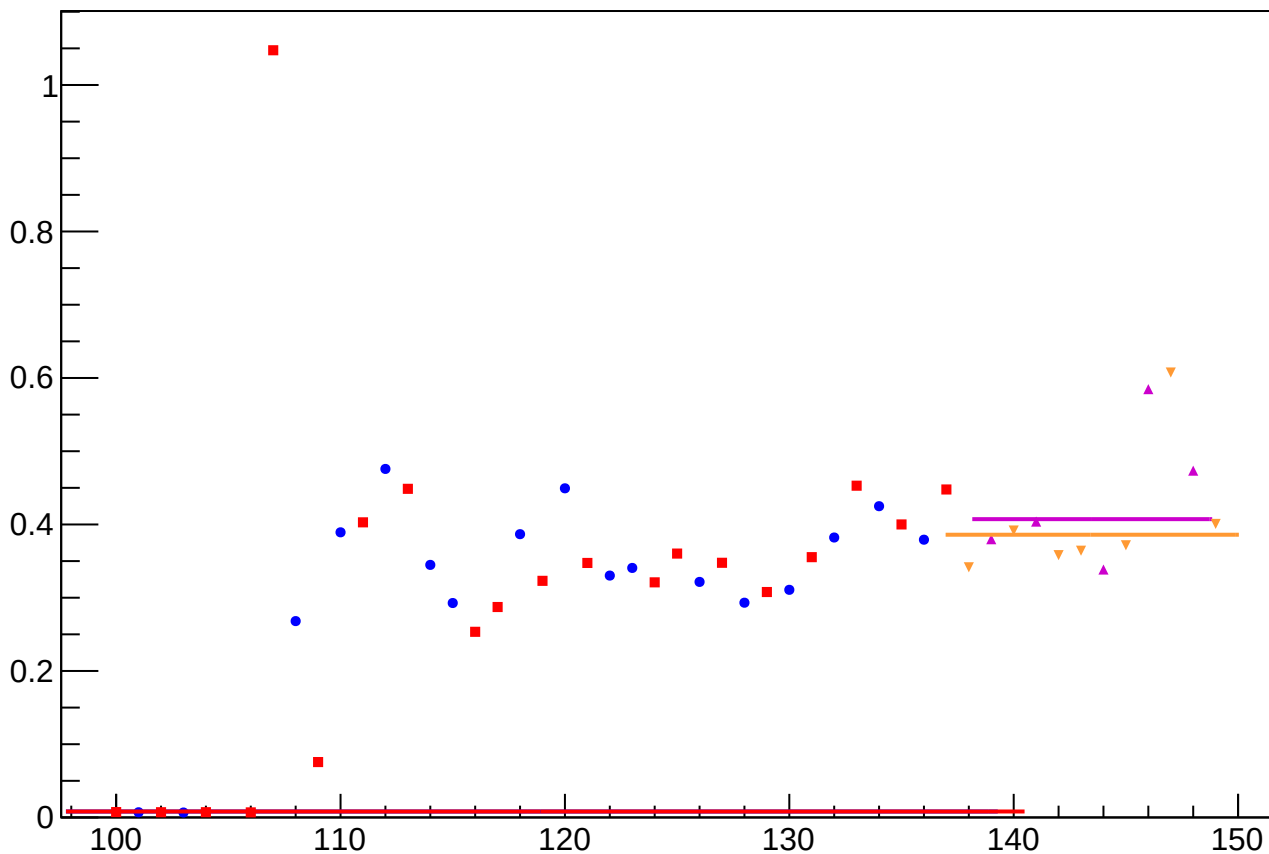
Right Out: 377.282+/-0.000 χ^2/NDF : 8306405788315.4/19

Left In: 148.876+/-0.000 χ^2/NDF : 1664976.8/4

377.741+/-0.000 χ^2/NDF : 4164380471380.9/23

376.943+/-0.000 χ^2/NDF : 9483543187083.7/24

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.386 $\pm$ 0.000 χ^2/NDF : 234582.4/6

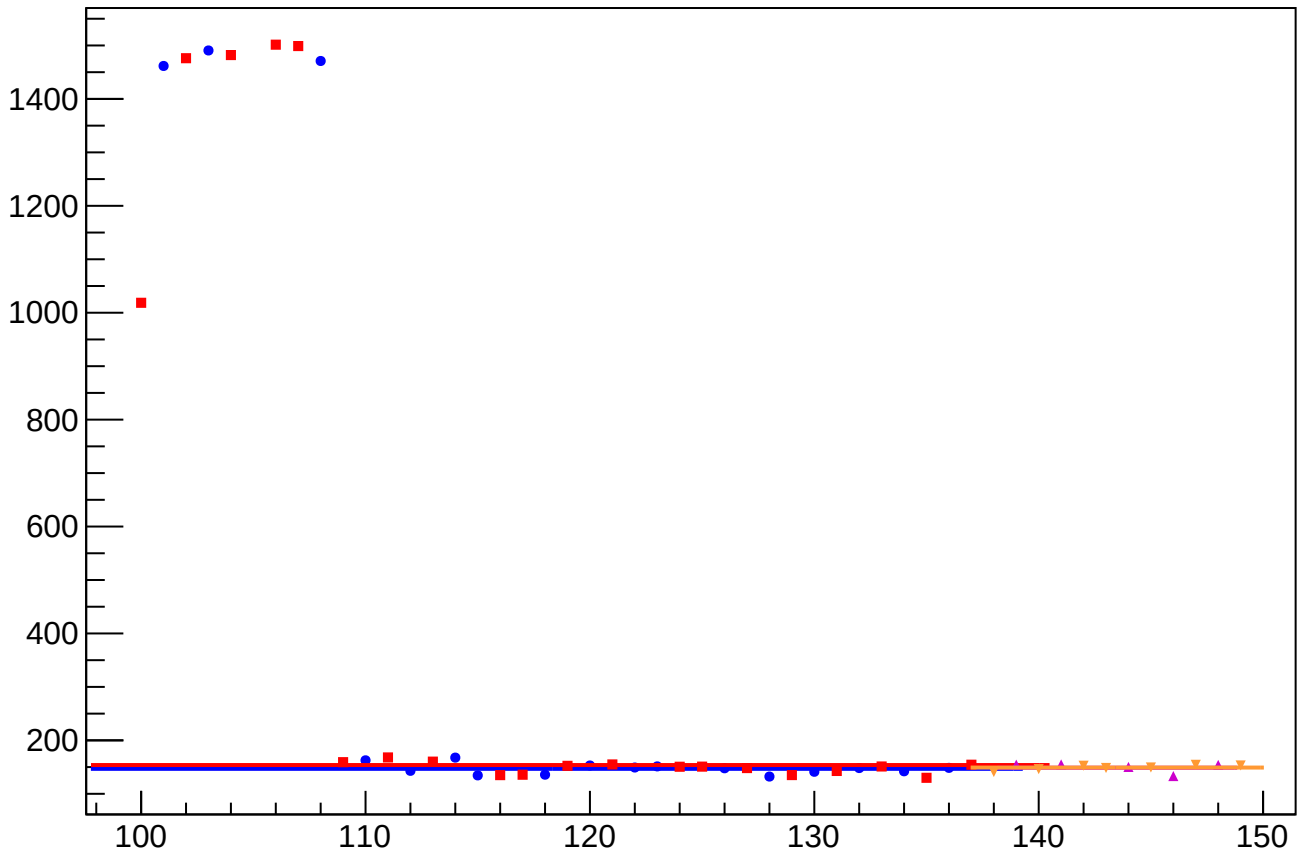
Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 9601959.4/19

Left In: 0.407 $\pm$ 0.000 χ^2/NDF : 253840.9/4

0.009 $\pm$ 0.000 χ^2/NDF : 19076762.6/23

0.009 $\pm$ 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: 149.096+/-0.000 χ^2/NDF : 96353205.2/6

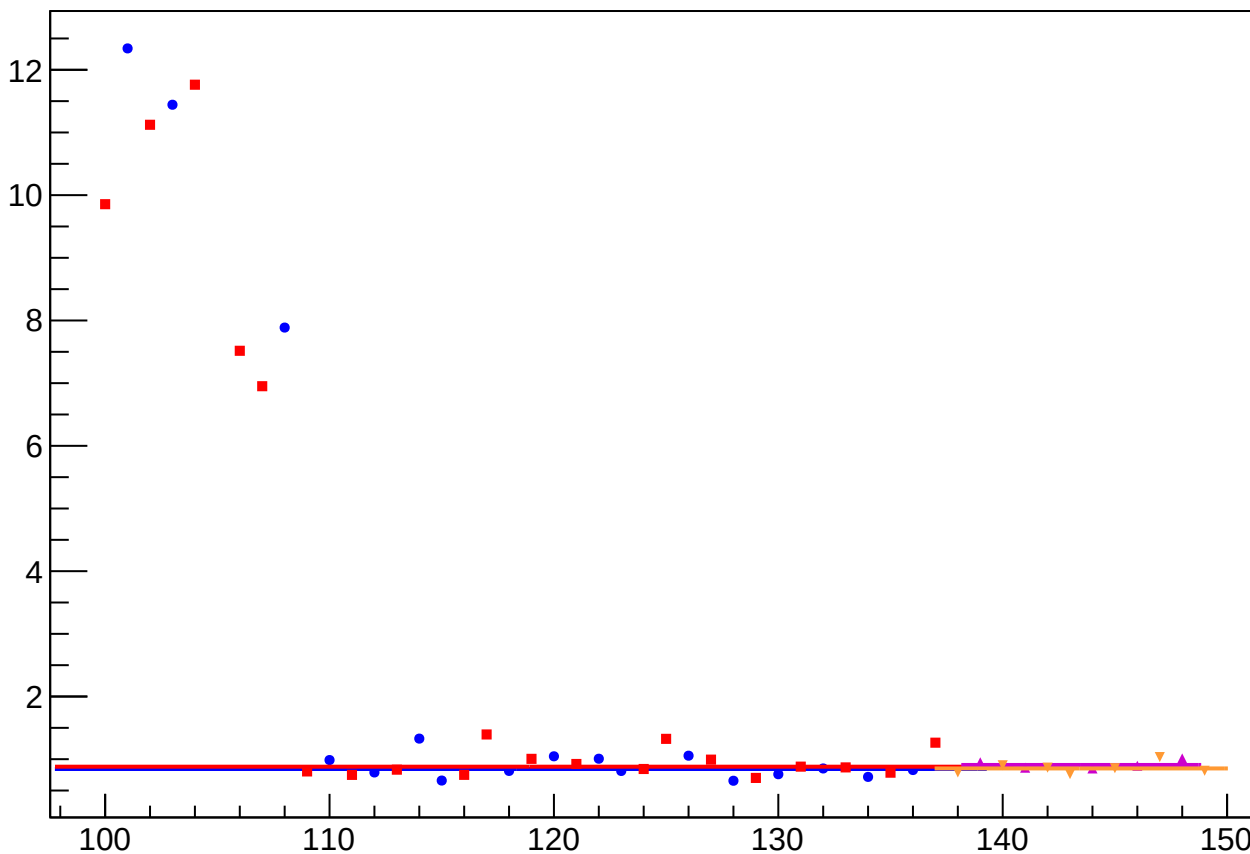
147.876+/-0.000 χ^2/NDF : 24461877434.9/23

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: 0.852+/-0.000 χ^2/NDF : 67543.7/6

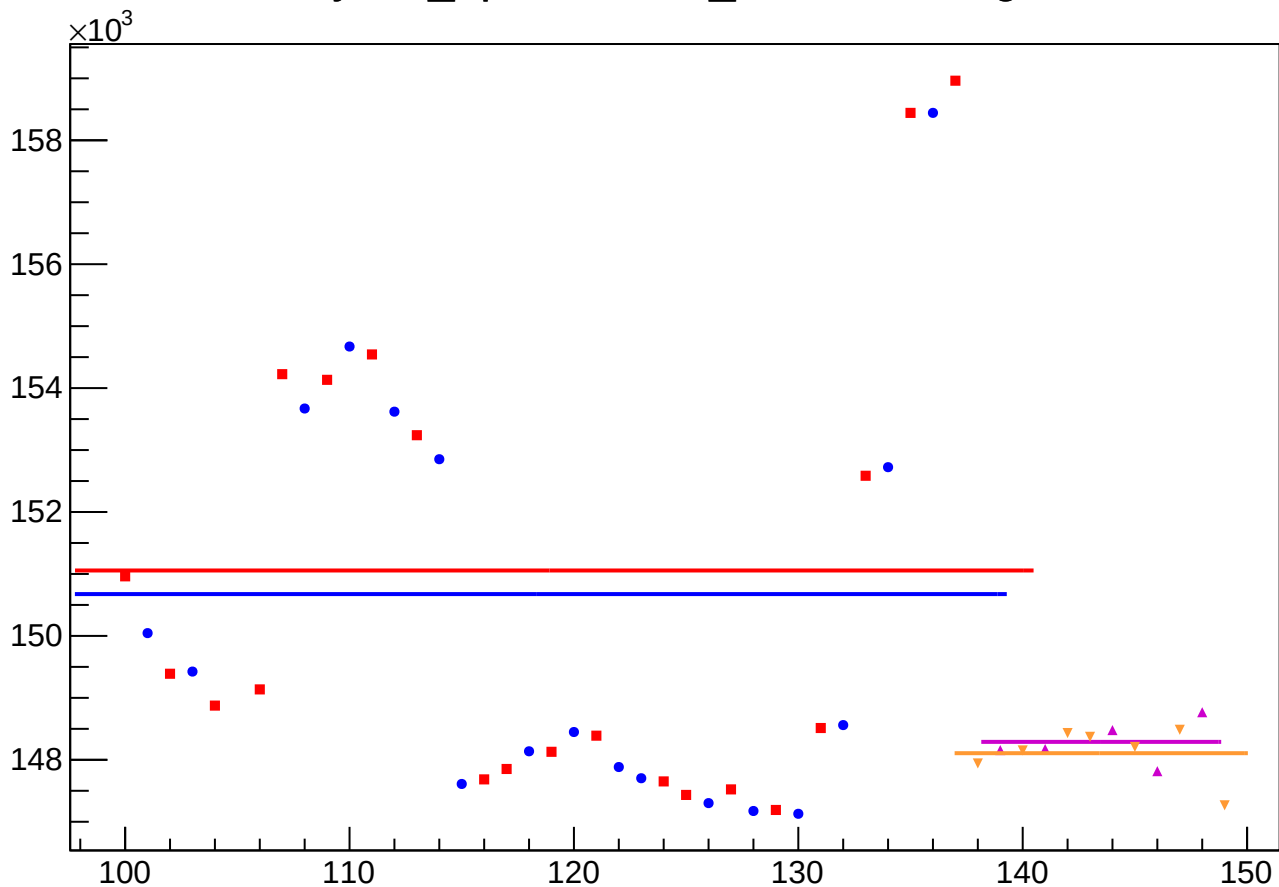
Right Out: 0.880+/-0.000 χ^2/NDF : 2823230.1/19

Left In: 0.908+/-0.000 χ^2/NDF : 26356.6/4

0.848+/-0.000 χ^2/NDF : 2738409.6/23

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: 148106.875 $\pm$ 0.085 χ^2 /NDF:19864548.6/6

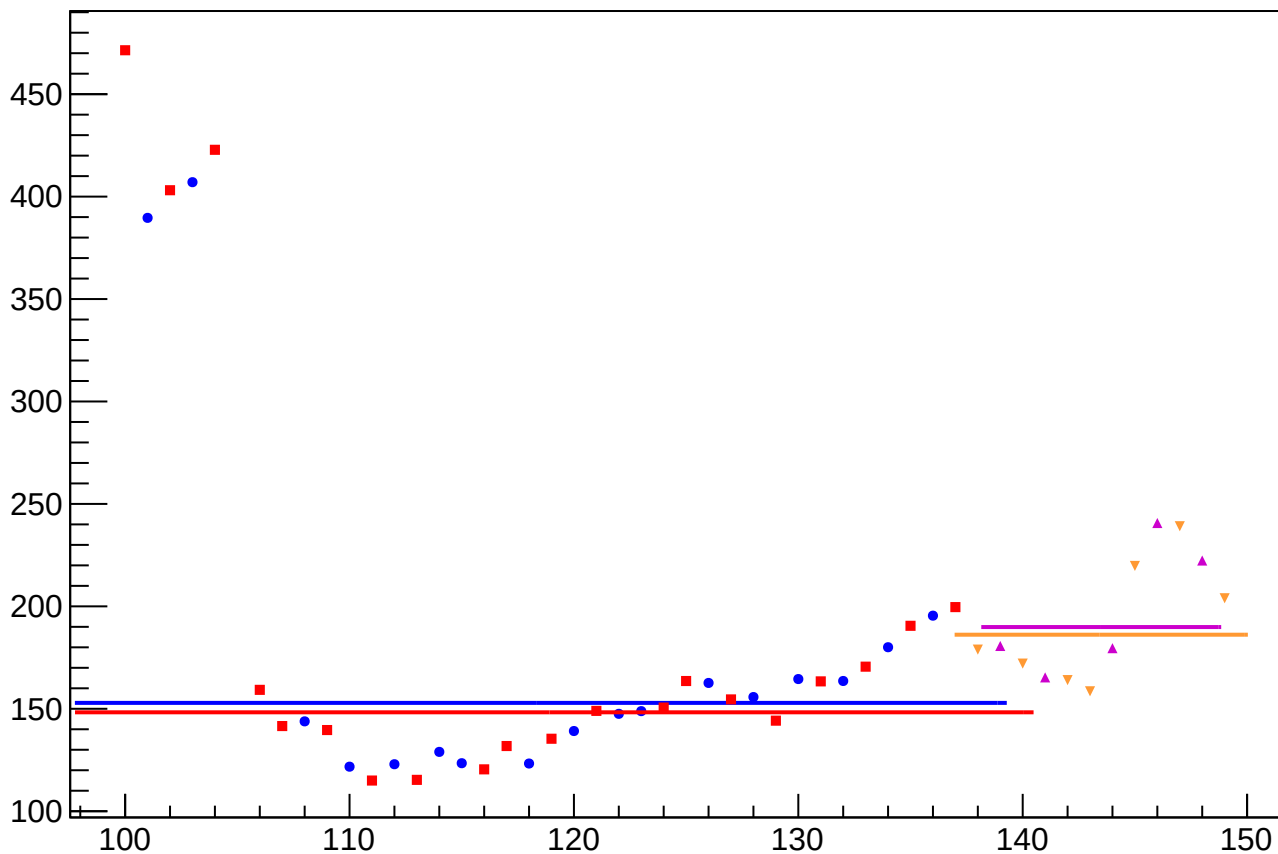
149764.127 $\pm$ 0.051 χ^2 /NDF: 3919958839.0/23

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: 186.162 ± 0.060 χ^2/NDF : 192093.0/6

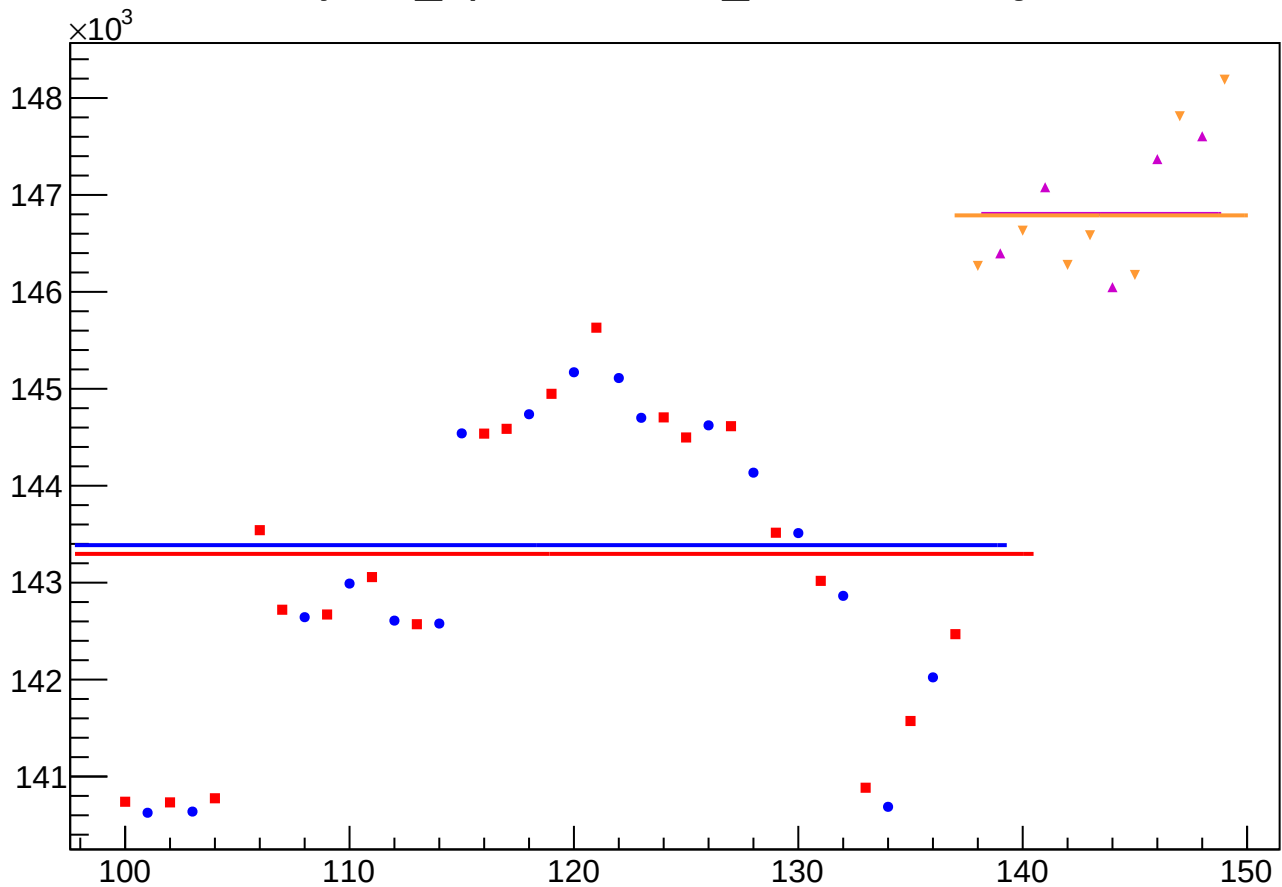
164.687 ± 0.036 χ^2/NDF : 1544359.5/23

Right Out: 148.278 ± 0.042 χ^2/NDF : 1192879.8/19

159.724 ± 0.036 χ^2/NDF : 1612821.0/24

Left In: 189.896 ± 0.068 χ^2/NDF : 150288.5/4

yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099 $\pm$ 0.053 χ^2/NDF : 521299875.7/16

Left Out: 146789.160 $\pm$ 0.085 χ^2/NDF : 67195659.8/6

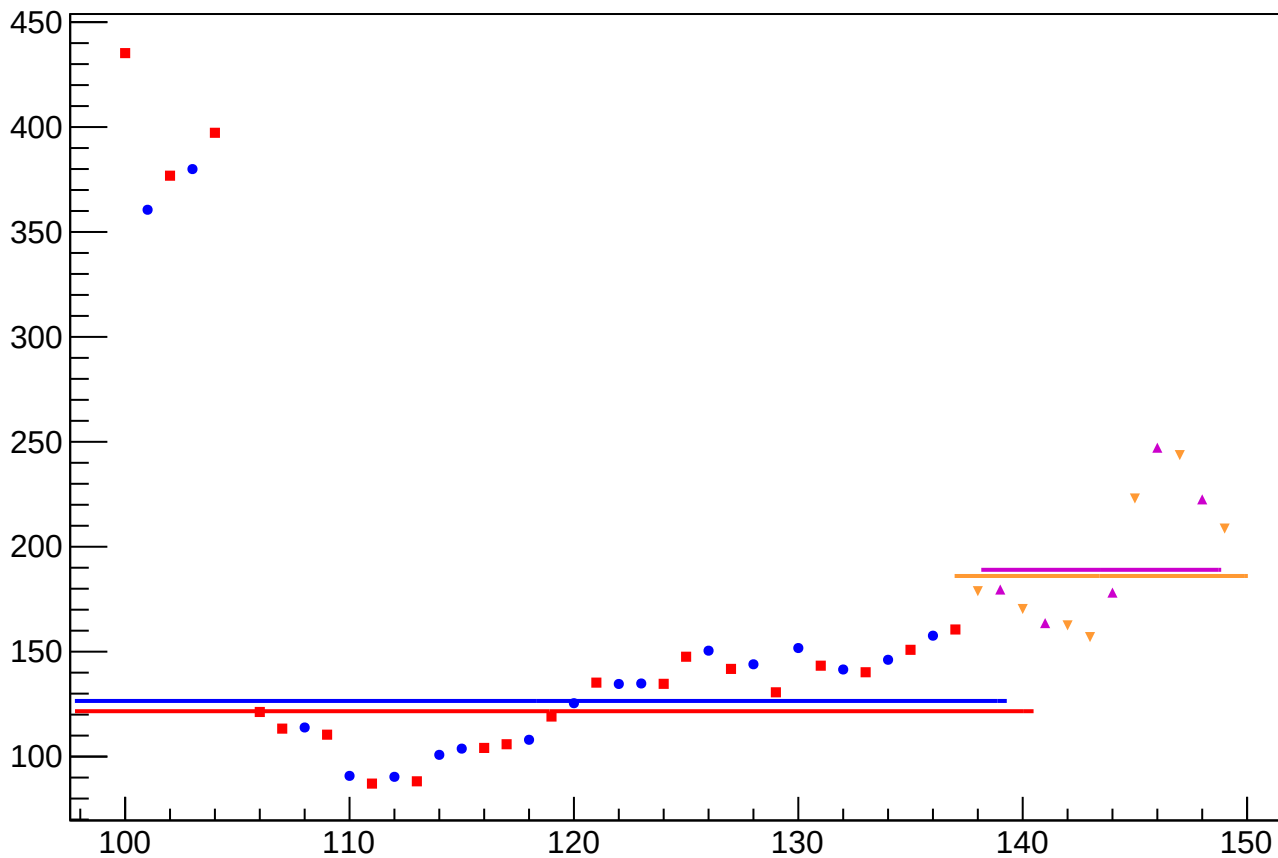
Right Out: 143296.790 $\pm$ 0.049 χ^2/NDF : 615134284.0/19

Left In: 146803.997 $\pm$ 0.096 χ^2/NDF : 35441562.0/4

144330.334 $\pm$ 0.045 χ^2/NDF : 1742870167.2/23

144014.799 $\pm$ 0.044 χ^2/NDF : 1704835187.5/24

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 ± 0.037 χ^2/NDF : 1441685.0/16

Left Out: 186.064 ± 0.060 χ^2/NDF : 225197.6/6

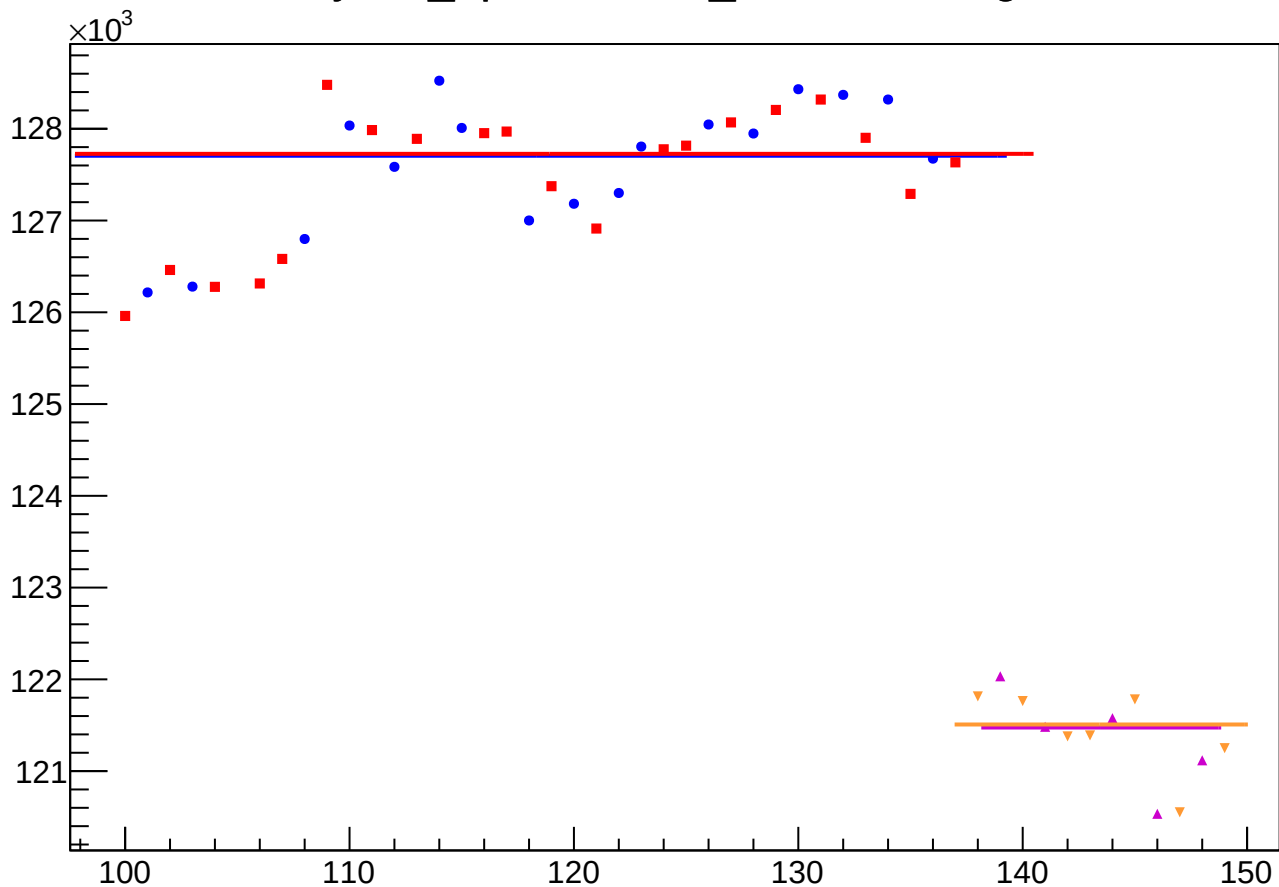
Right Out: 121.625 ± 0.035 χ^2/NDF : 1465763.8/19

Left In: 189.008 ± 0.068 χ^2/NDF : 173236.4/4

143.025 ± 0.032 χ^2/NDF : 2374274.1/23

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: 121508.022 $\pm$ 0.073 χ^2/NDF : 20478388.3/6

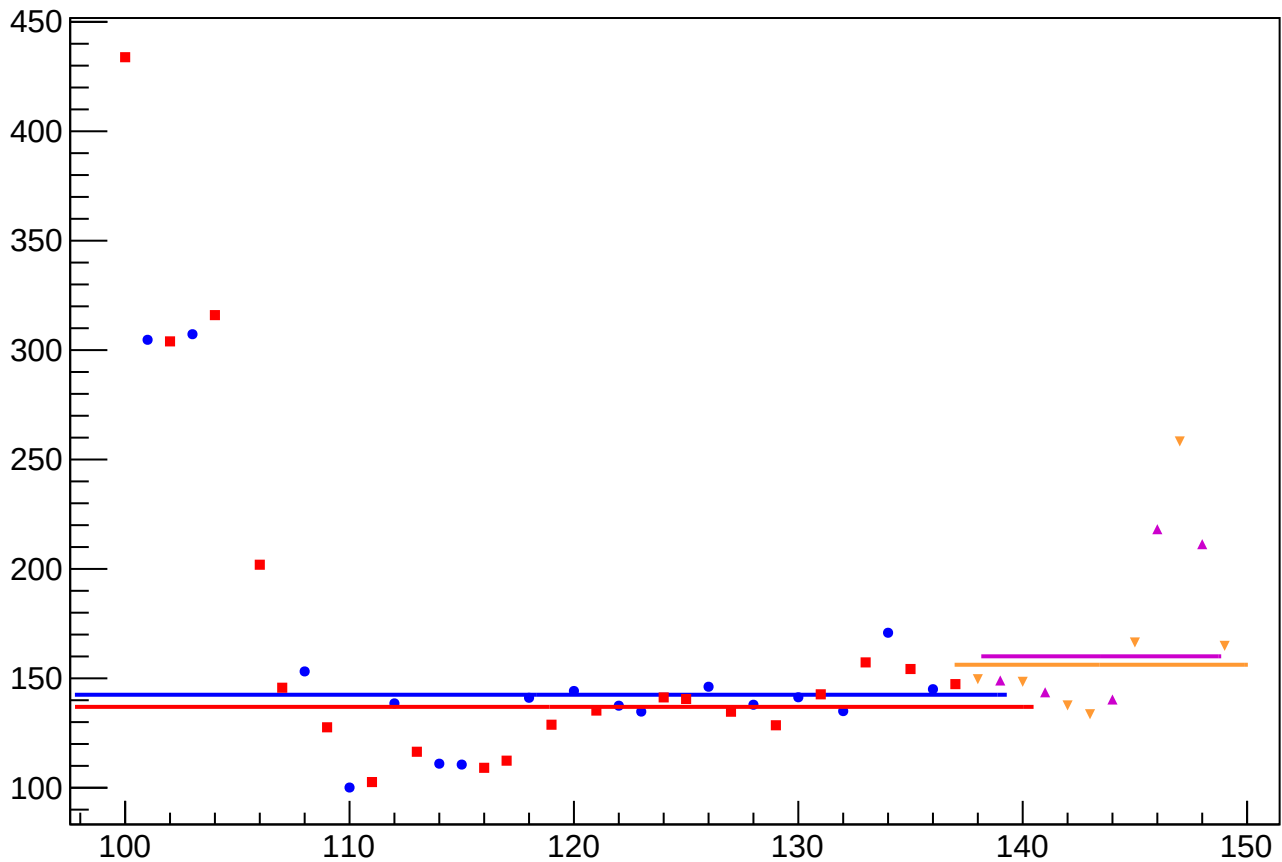
Right Out: 127726.708 $\pm$ 0.054 χ^2/NDF : 112816704.3/19

Left In: 121475.018 $\pm$ 0.083 χ^2/NDF : 26465265.1/4

125285.519 $\pm$ 0.045 χ^2/NDF : 4569331720.5/23

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: 156.210+/-0.051 χ^2/NDF : 308850.0/6

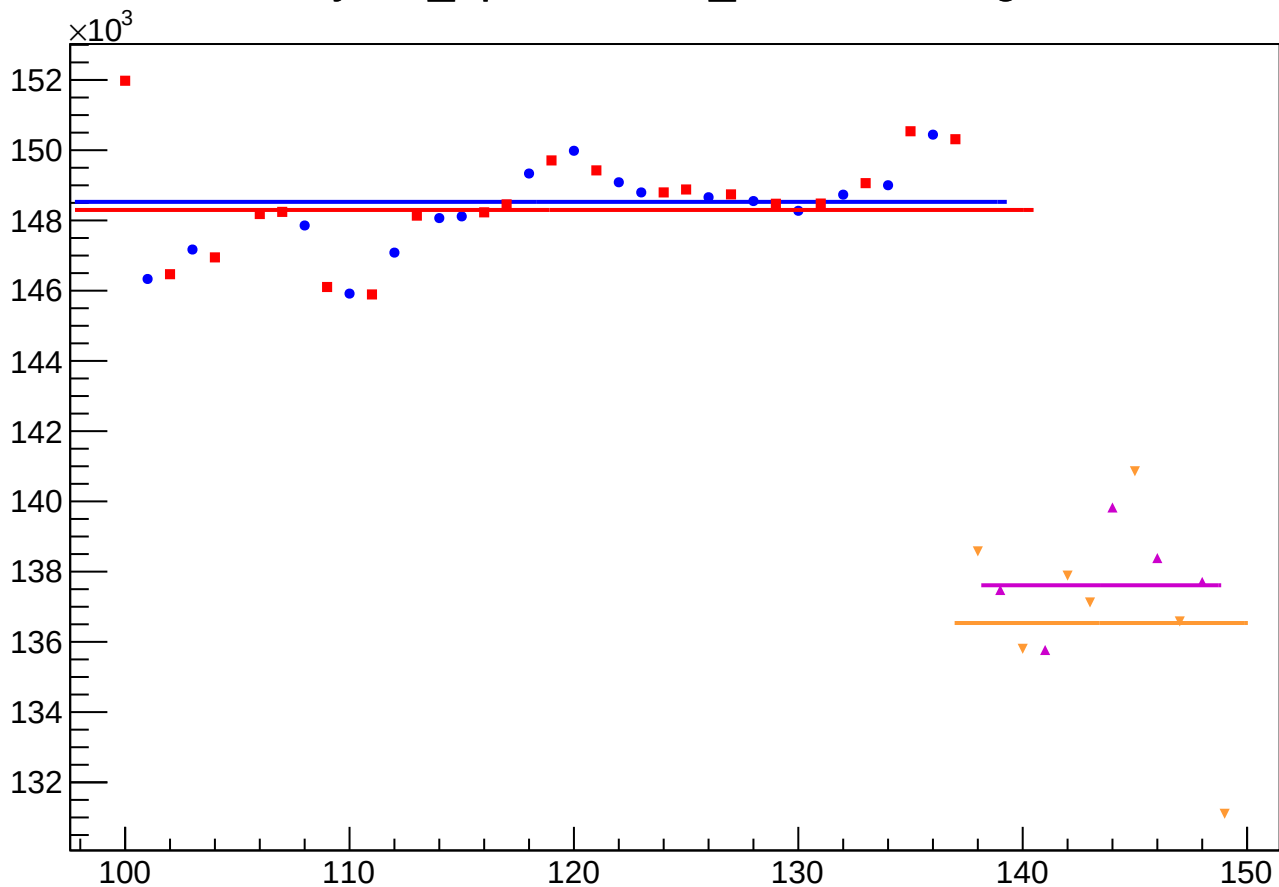
Right Out: 136.963+/-0.038 χ^2/NDF : 961465.0/19

Left In: 160.065+/-0.058 χ^2/NDF : 263398.8/4

147.856+/-0.032 χ^2/NDF : 1188661.5/23

143.932+/-0.032 χ^2/NDF : 1334246.9/24

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 $\pm$ 0.082 χ^2 /NDF: 209986594.2/16

Left Out: 136537.073 $\pm$ 0.108 χ^2 /NDF: 710492766.3/6

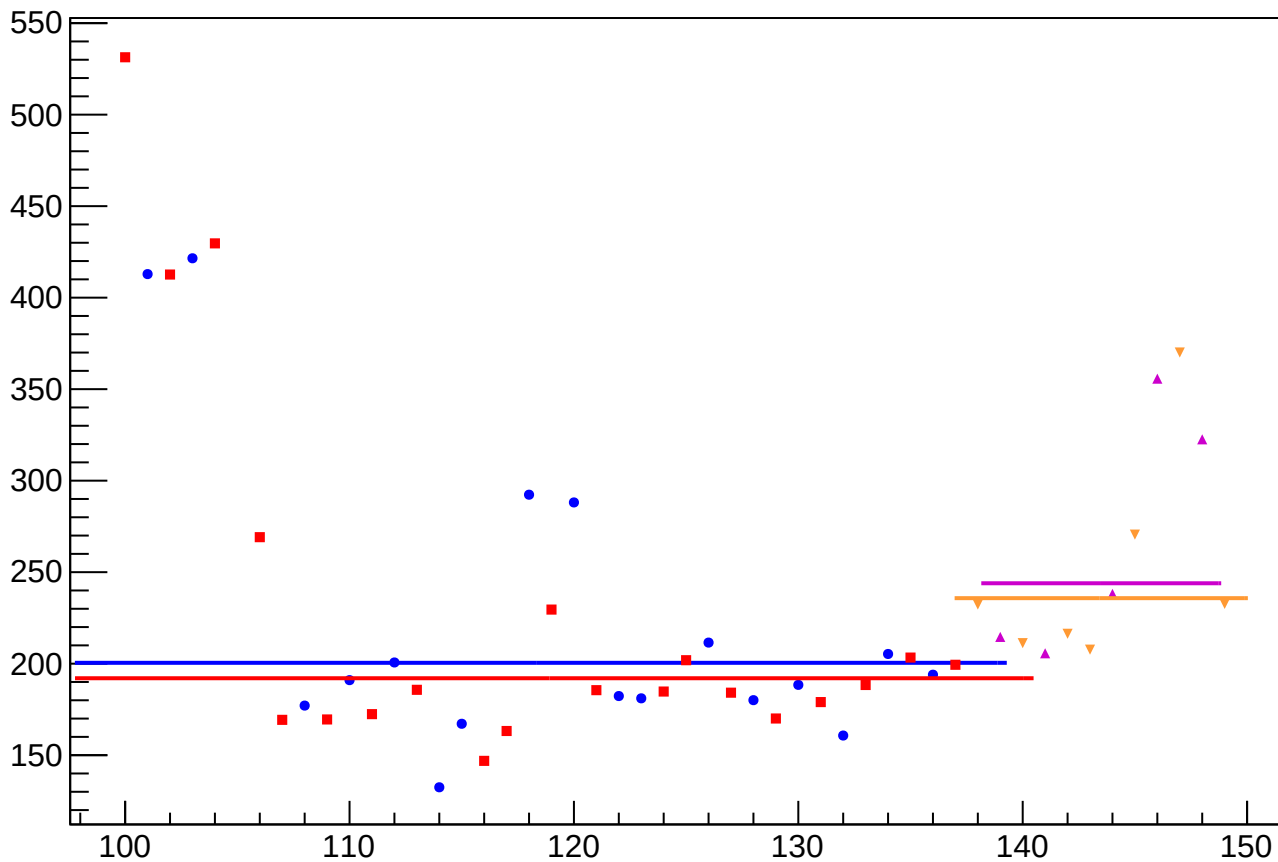
Right Out: 148298.586 $\pm$ 0.076 χ^2 /NDF: 293284830.9/19

Left In: 137611.470 $\pm$ 0.126 χ^2 /NDF: 144389478.4/4

144164.486 $\pm$ 0.065 χ^2 /NDF: 8690601738.7/23

145445.792 $\pm$ 0.065 χ^2 /NDF: 5707267340.6/24

yield_bpm0l02WS_rms vs Slug



Right In: 200.472+/-0.058 χ^2/NDF : 936547.2/16

Left Out: 235.798+/-0.077 χ^2/NDF : 280212.5/6

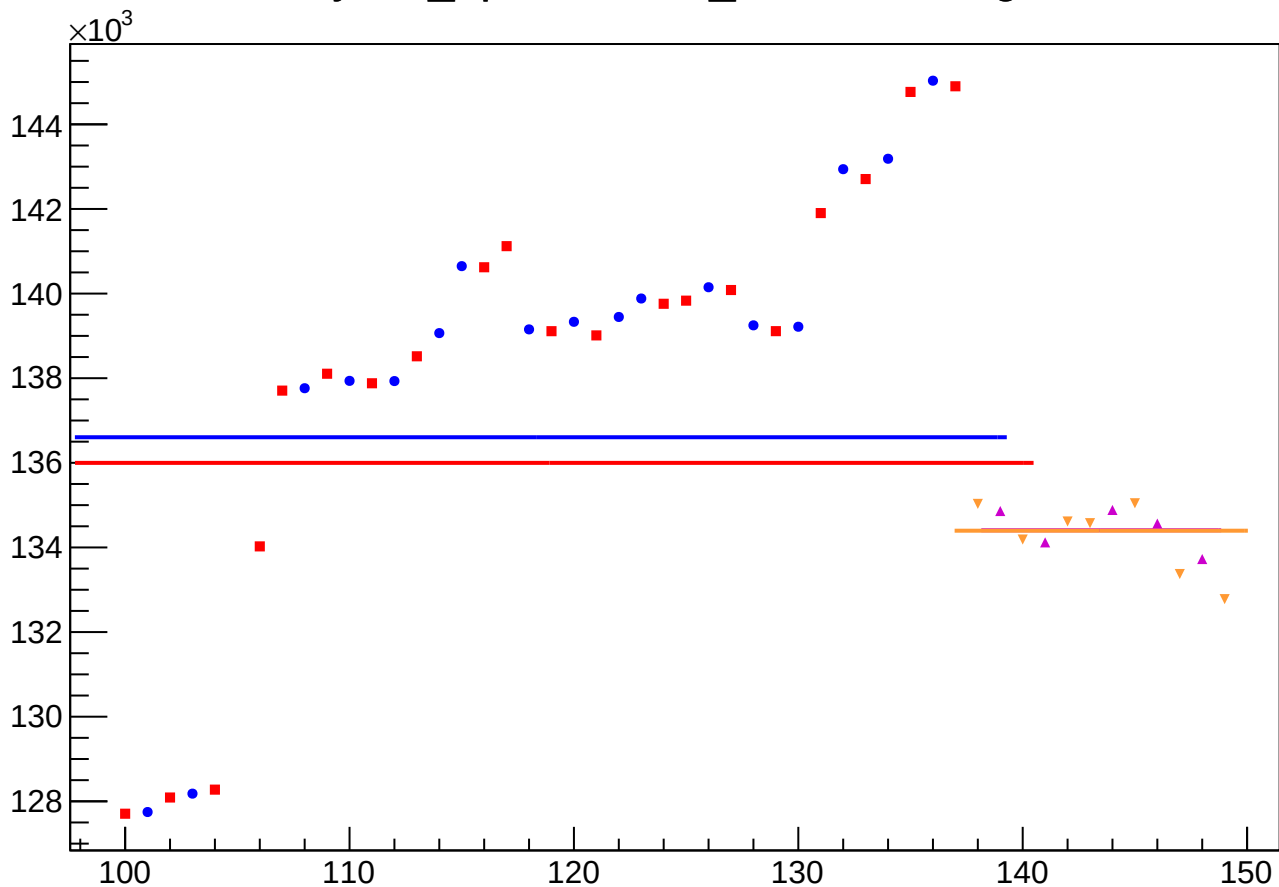
Right Out: 192.040+/-0.054 χ^2/NDF : 847133.0/19

Left In: 243.939+/-0.089 χ^2/NDF : 329625.5/4

213.329+/-0.046 χ^2/NDF : 1351615.9/23

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: 134395.880 $\pm$ 0.252 χ^2 /NDF: 8807857.4/6

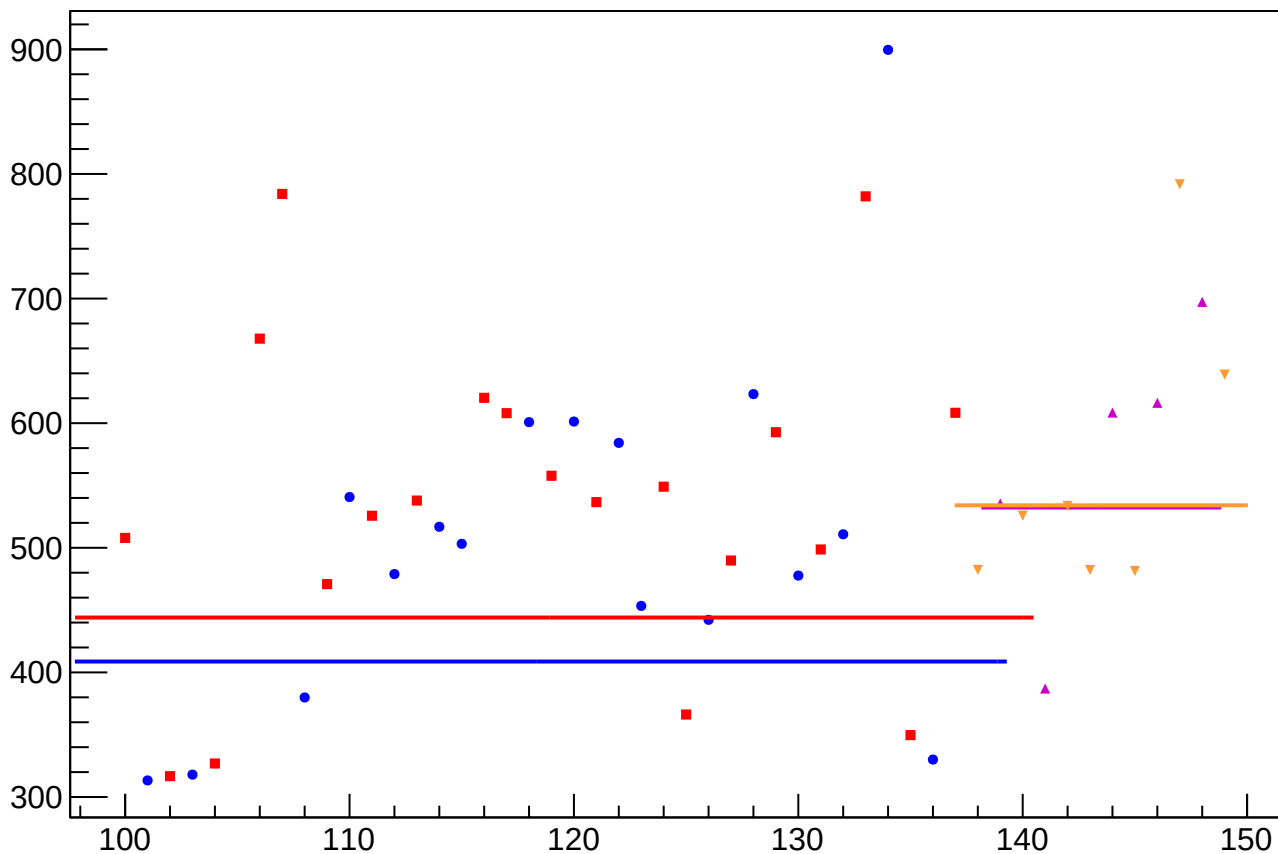
Right Out: 135998.851 $\pm$ 0.182 χ^2 /NDF: 1084895879.4/19

Left In: 134406.073 $\pm$ 0.295 χ^2 /NDF: 1939103.8/4

135905.381 $\pm$ 0.142 χ^2 /NDF: 1555711156.8/23

135559.084 $\pm$ 0.155 χ^2 /NDF: 1107888988.8/24

yield_bpm0l03WS_rms vs Slug



Right In: 408.729 $\pm$ 0.121 χ^2 /NDF: 823262.8/16

Left Out: 534.087 $\pm$ 0.178 χ^2 /NDF:236326.9/6

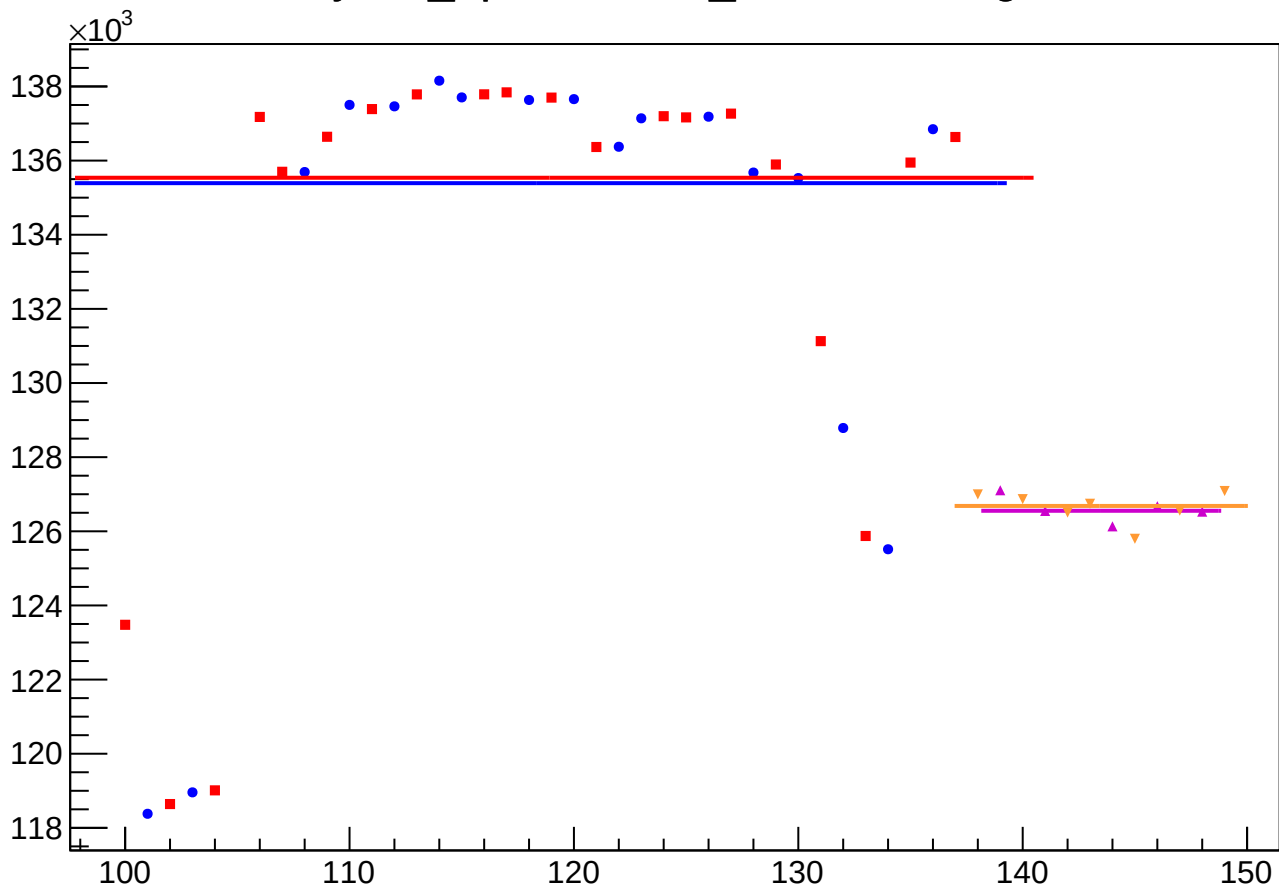
Right Out: 444.034 $\pm$ 0.129 χ^2 /NDF: 922545.8/19

Left In: 532.302 $\pm$ 0.209 χ^2 /NDF:304362.7/4

448.415 $\pm$ 0.100 χ^2 /NDF: 1398121.4/23

468.405 $\pm$ 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: 126684.280 $\pm$ 0.079 χ^2 /NDF: 25751669.7/6

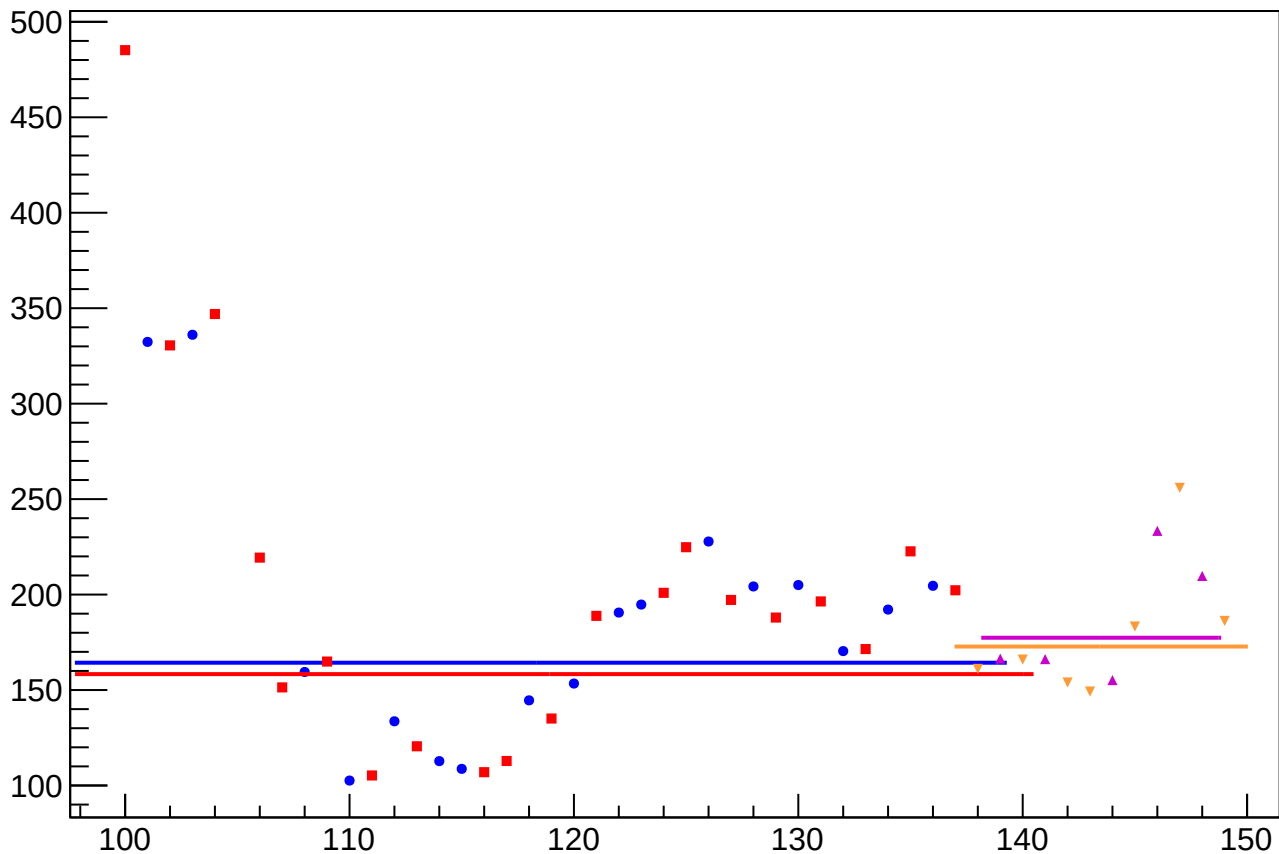
Right Out: 135537.290 $\pm$ 0.064 χ^2 /NDF: 4748951957.4/19

Left In: 126553.642 $\pm$ 0.091 χ^2 /NDF: 13868252.6/4

131685.742 $\pm$ 0.052 χ^2 /NDF: 11529961251.8/2

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: 172.784+/-0.056 χ^2/NDF : 232083.8/6

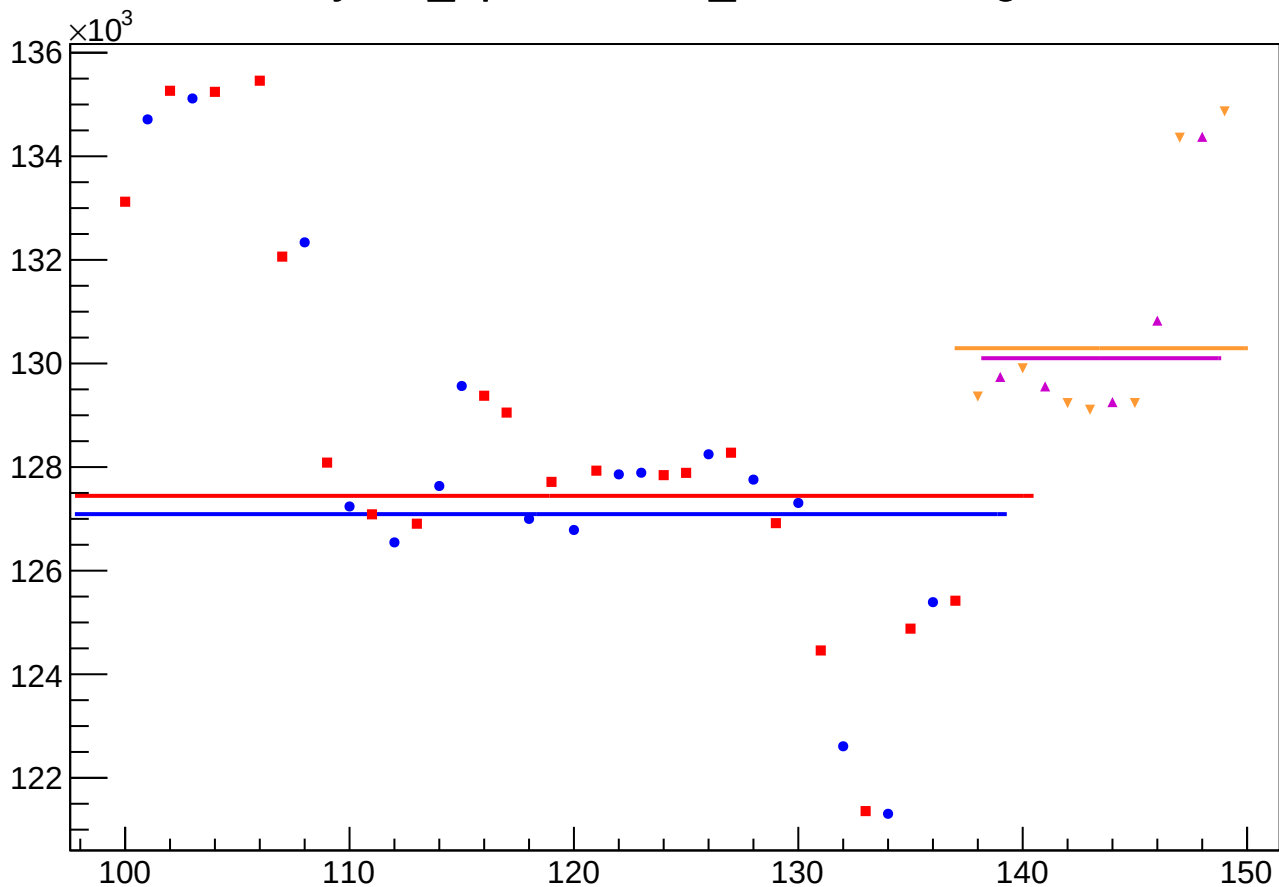
Right Out: 158.336+/-0.045 χ^2/NDF : 1398323.7/19

Left In: 177.393+/-0.064 χ^2/NDF : 175416.4/4

167.917+/-0.037 χ^2/NDF : 1475682.7/23

164.674+/-0.037 χ^2/NDF : 1632819.9/24

yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 ± 0.066 $\chi^2/\text{NDF}: 1717208780.6/16$

Left Out: 130295.038 ± 0.080 $\chi^2/\text{NDF}: 637013911.9/6$

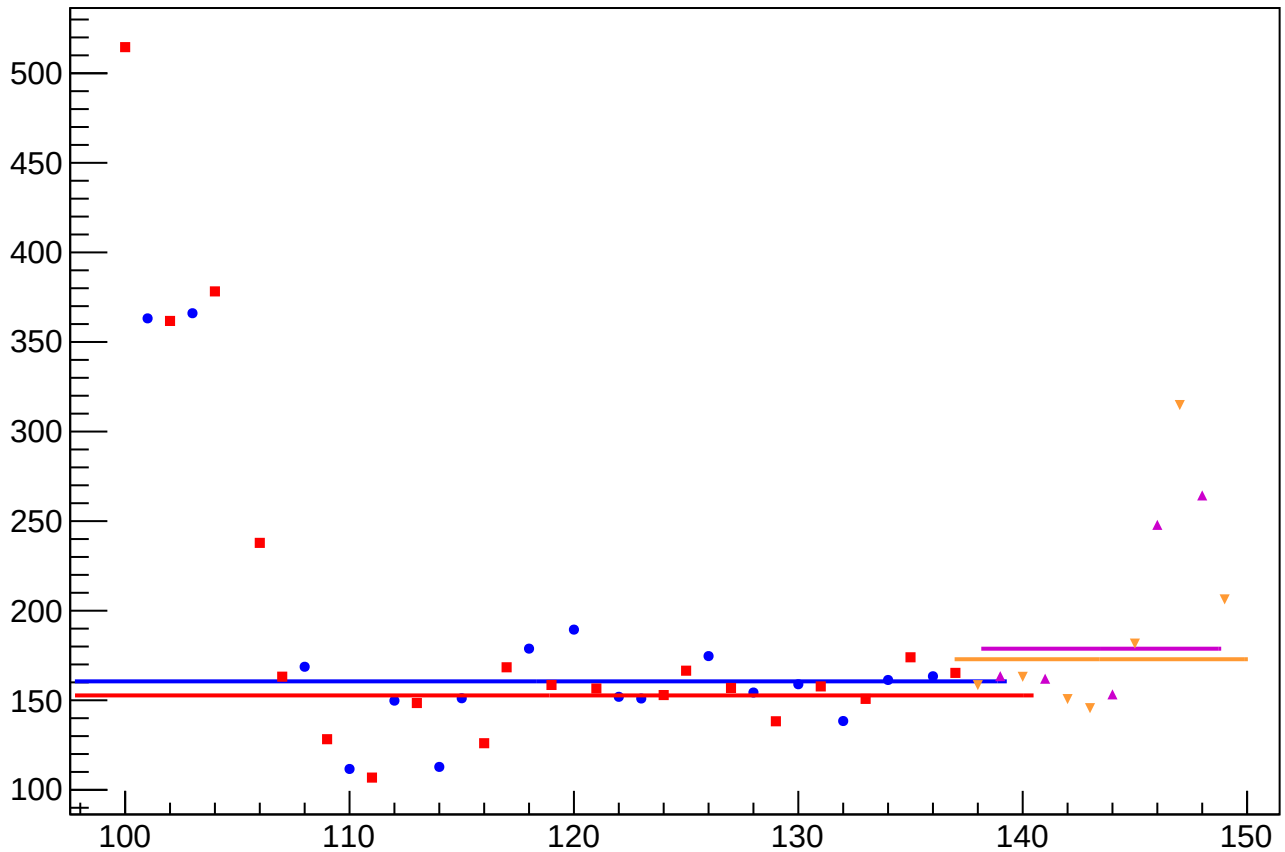
Right Out: 127444.472 ± 0.061 $\chi^2/\text{NDF}: 2082646787.7/19$

Left In: 130101.847 ± 0.093 $\chi^2/\text{NDF}: 248628767.4/4$

128388.184 ± 0.051 $\chi^2/\text{NDF}: 3299133708.7/23$

128256.667 ± 0.051 $\chi^2/\text{NDF}: 2904053983.3/24$

yield_bpm0l05WS_rms vs Slug



Right In: 160.564+/-0.047 χ^2/NDF : 942747.0/16

Left Out: 172.911+/-0.057 χ^2/NDF : 440105.1/6

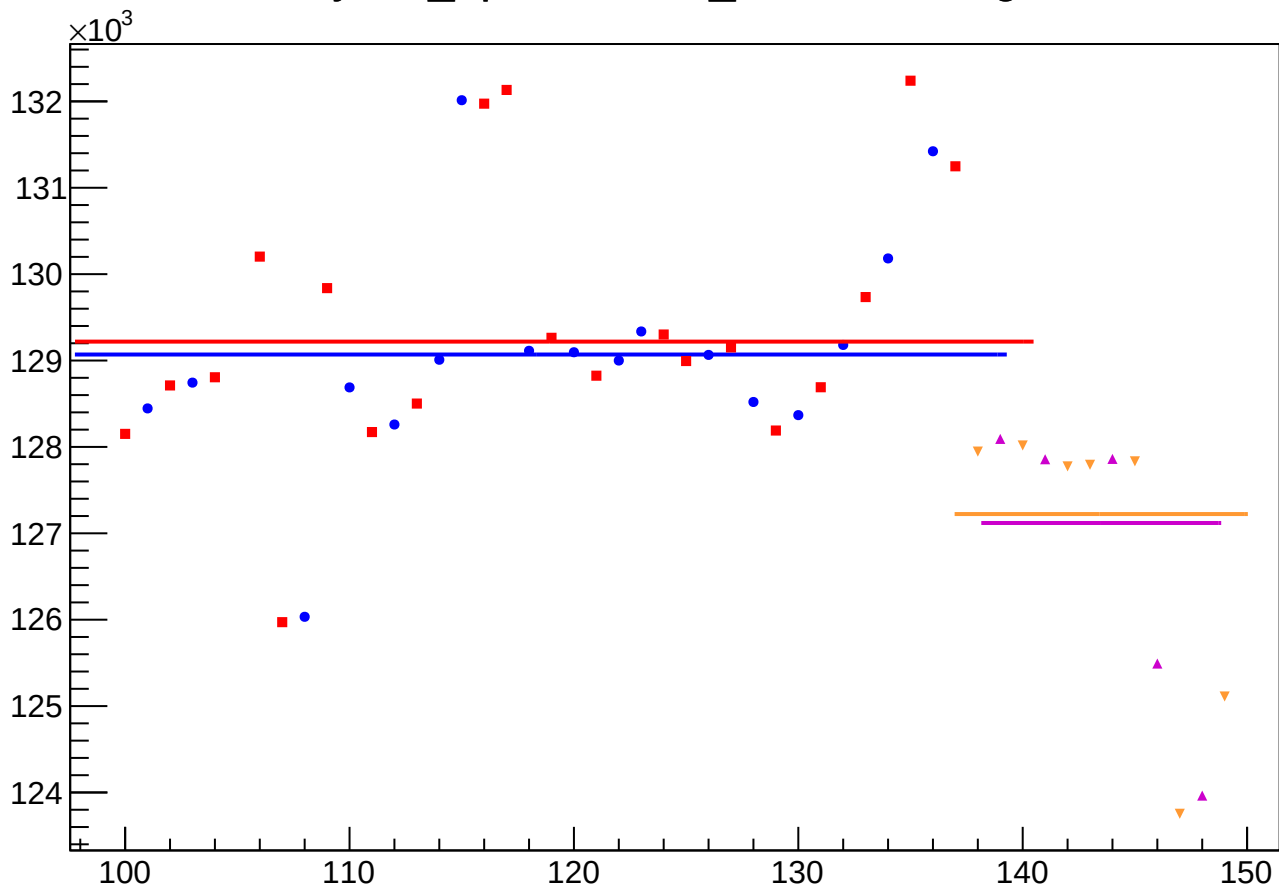
165.562+/-0.036 χ^2/NDF : 1410925.6/23

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 ± 0.060 $\chi^2/\text{NDF}: 476692316.5/16$

Left Out: 127222.928 ± 0.076 $\chi^2/\text{NDF}: 305827711.9/6$

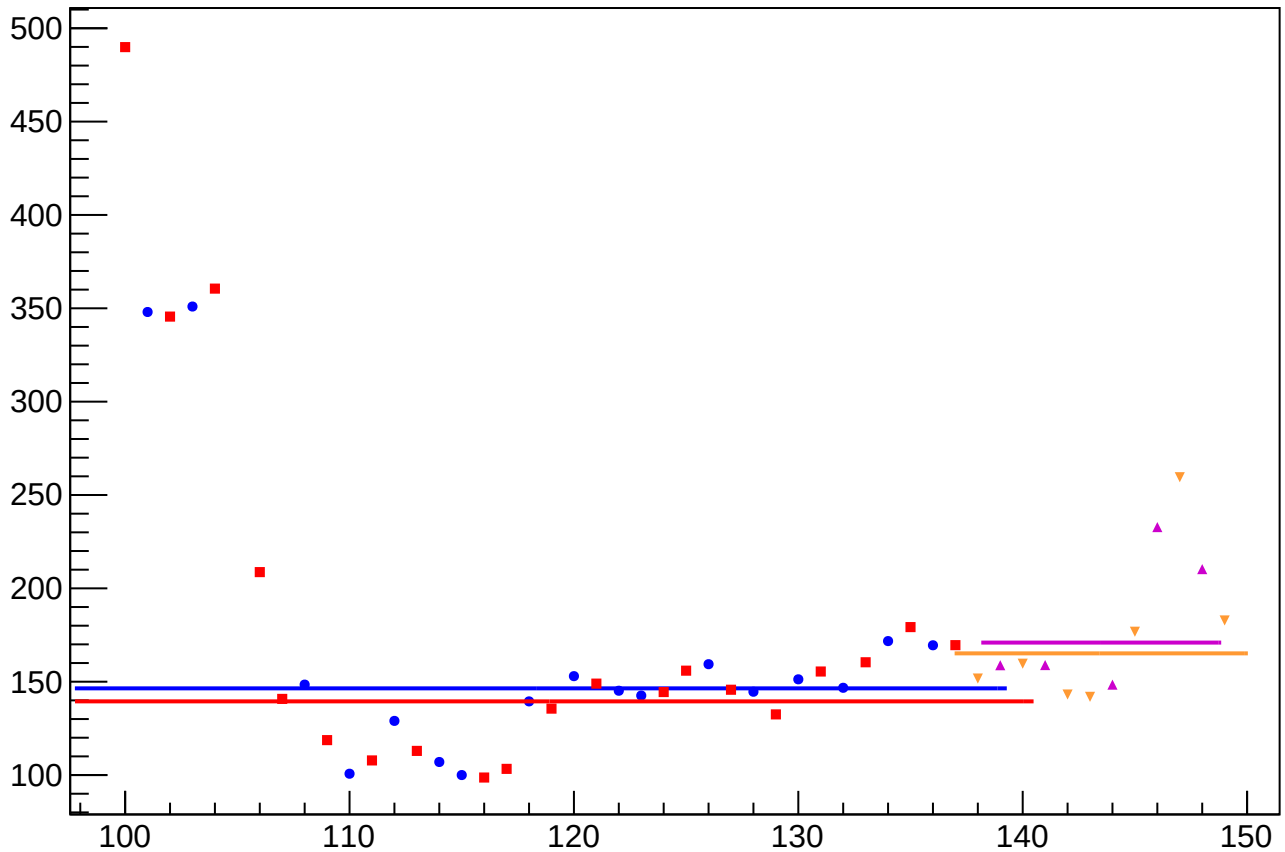
Right Out: 129219.072 ± 0.056 $\chi^2/\text{NDF}: 660468184.1/19$

Left In: 127119.503 ± 0.088 $\chi^2/\text{NDF}: 277747958.8/4$

128358.626 ± 0.047 $\chi^2/\text{NDF}: 1145214047.3/23$

128613.889 ± 0.047 $\chi^2/\text{NDF}: 1347224343.7/24$

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 $\pm$ 0.043 χ^2 /NDF: 1064791.0/16

Left Out: 165.178 $\pm$ 0.054 χ^2 /NDF: 294193.0/6

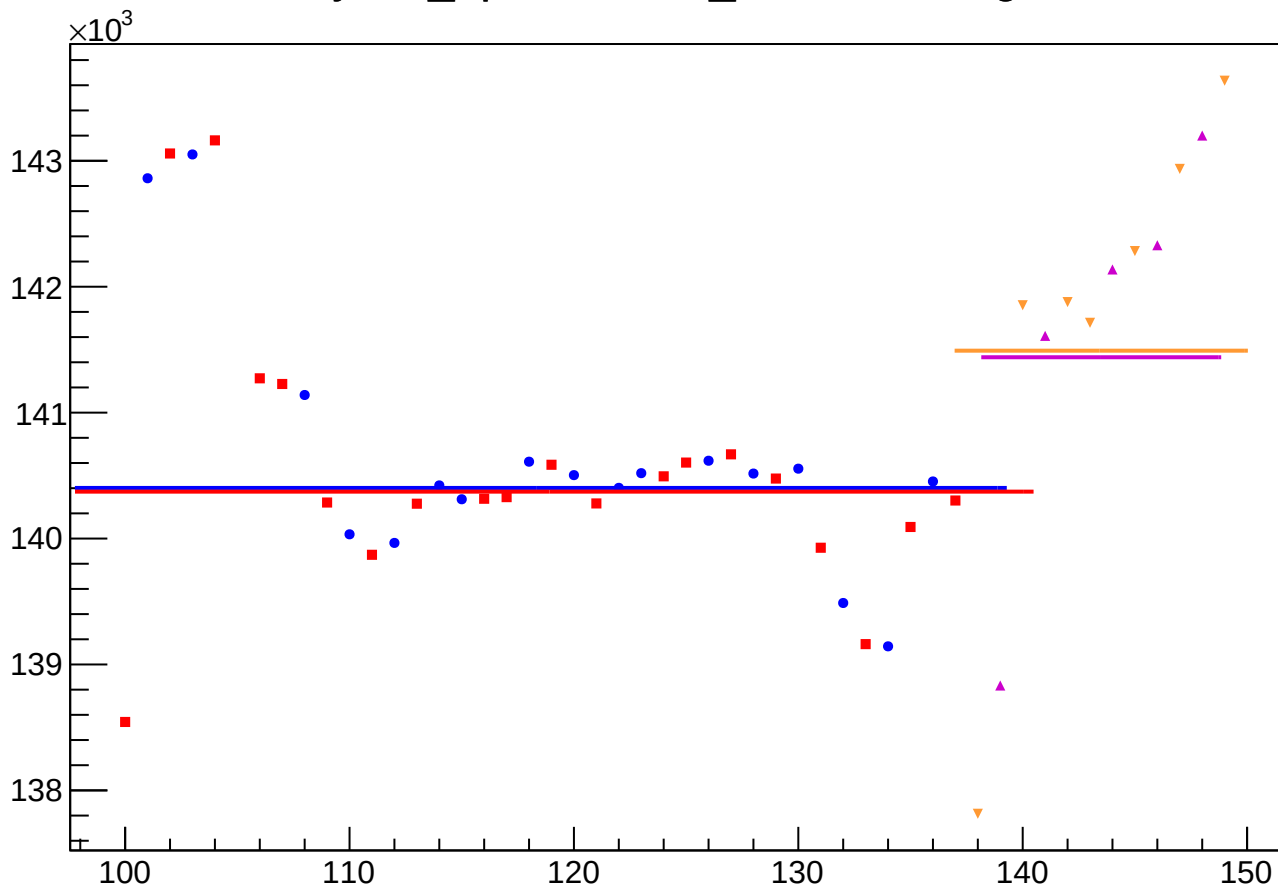
Right Out: 139.468 $\pm$ 0.039 χ^2 /NDF: 1214310.8/19

Left In: 170.952 $\pm$ 0.062 χ^2 /NDF: 221803.5/4

153.653 $\pm$ 0.033 χ^2 /NDF: 1433686.3/23

148.543 $\pm$ 0.033 χ^2 /NDF: 1620058.0/24

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 $\pm$ 0.064 χ^2/NDF : 88071774.7/16

Left Out: 141492.121 $\pm$ 0.089 χ^2/NDF : 427558205.4/6

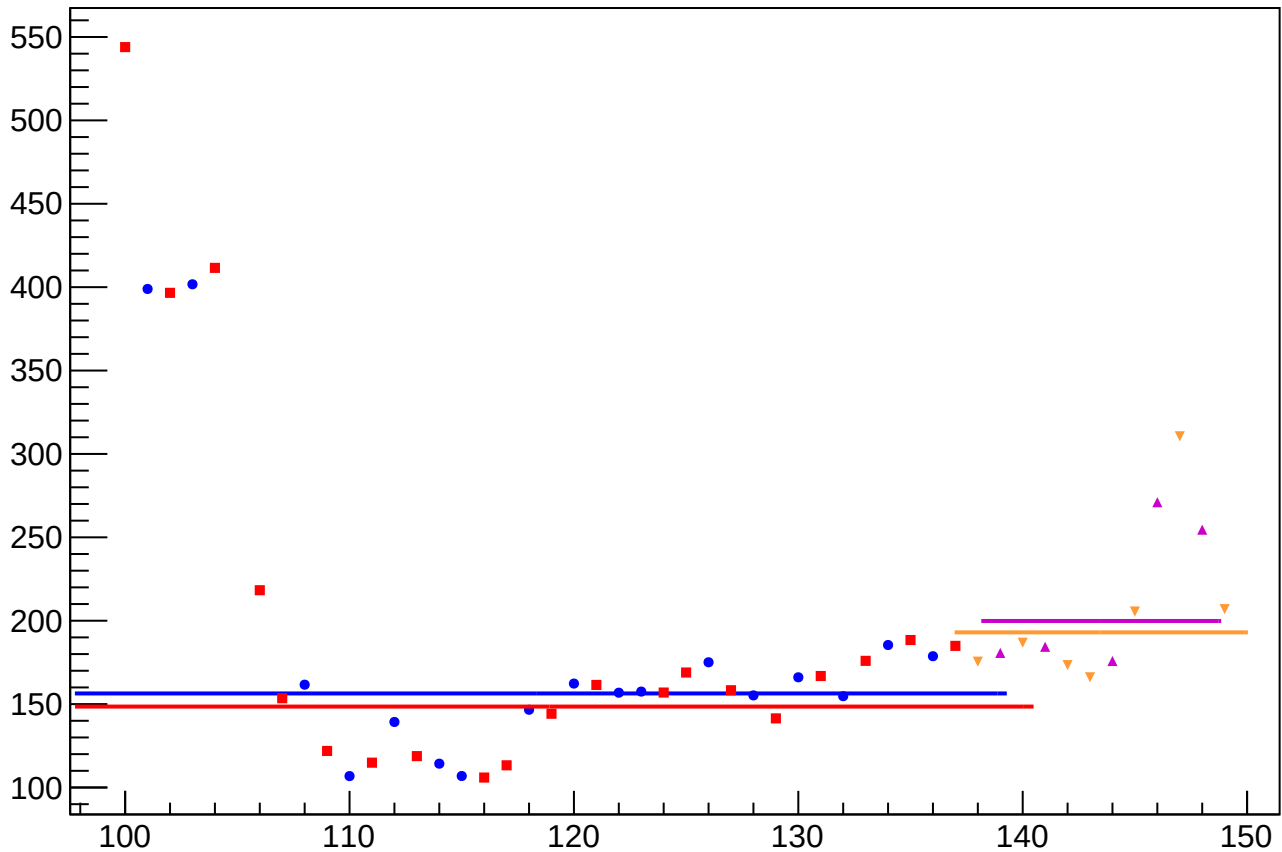
Right Out: 140372.636 $\pm$ 0.059 χ^2/NDF : 99861038.9/19

Left In: 141439.839 $\pm$ 0.103 χ^2/NDF : 199545661.6/4

140774.544 $\pm$ 0.052 χ^2/NDF : 613707386.8/23

140640.359 $\pm$ 0.051 χ^2/NDF : 380131020.5/24

yield_bpm0l07WS_rms vs Slug



Right In: 156.394+/-0.046 χ^2/NDF : 1154804.2/16

Left Out: 193.017+/-0.063 χ^2/NDF : 295676.0/6

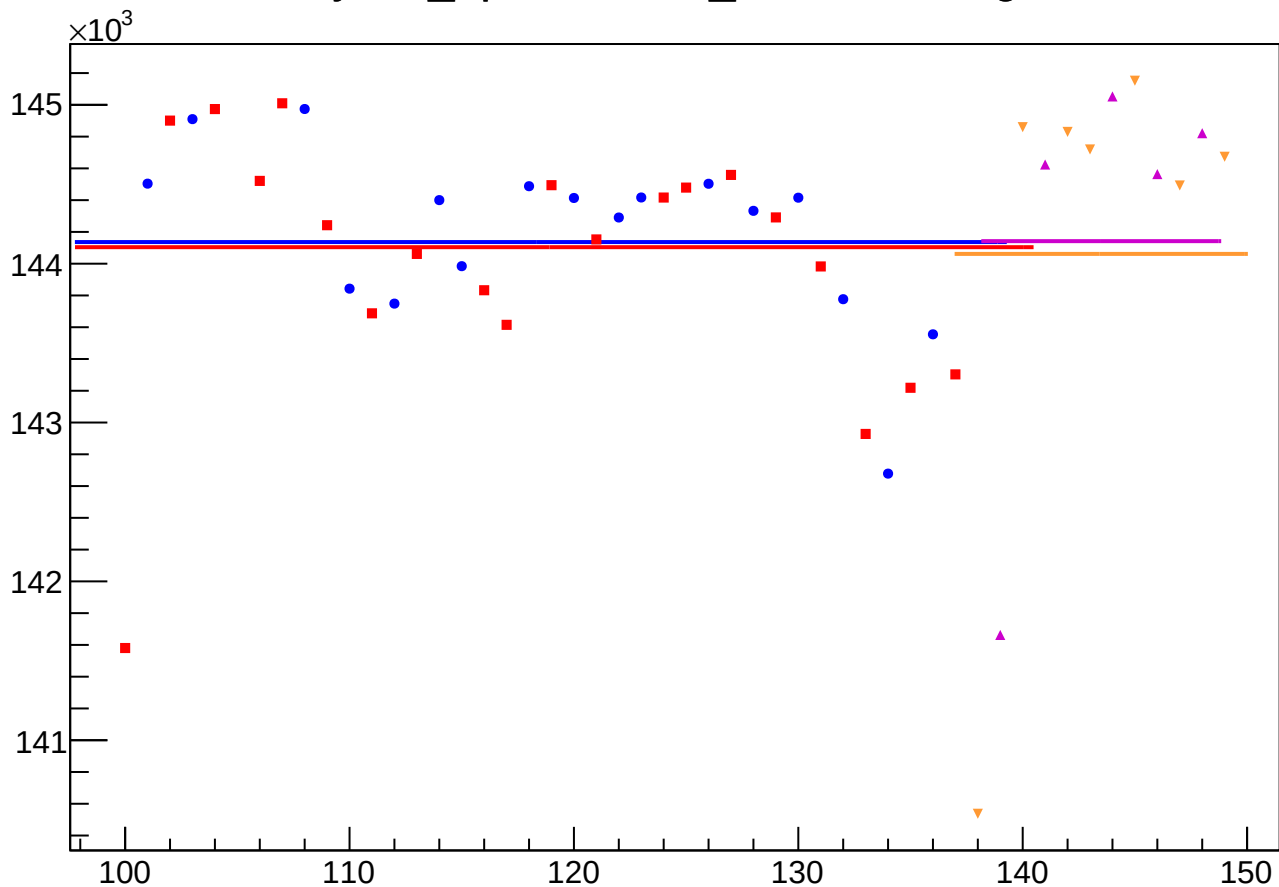
168.909+/-0.037 χ^2/NDF : 1671883.3/23

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: 144061.616 ± 0.088 χ^2/NDF : 344933897.5/6

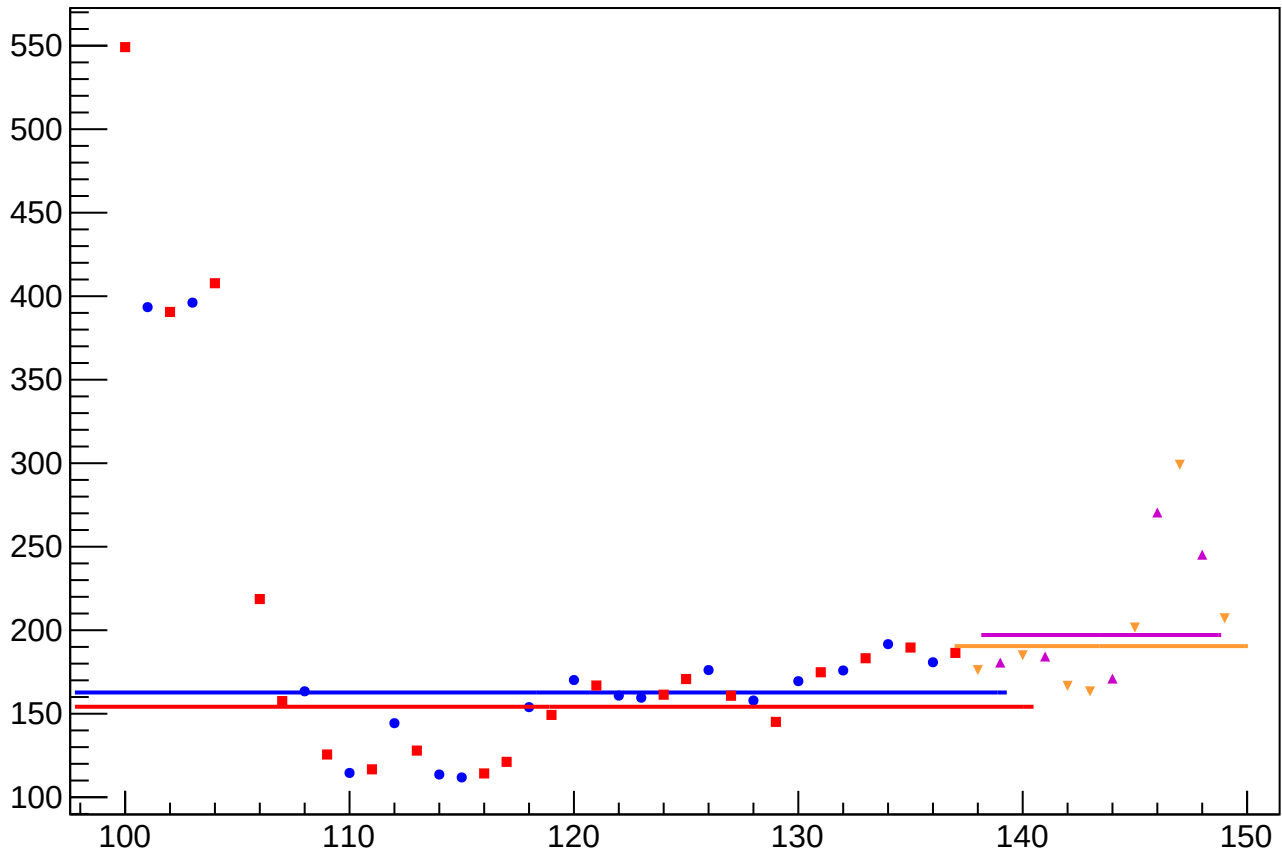
Right Out: 144103.887 ± 0.062 χ^2/NDF : 65973087.5/19

Left In: 144141.889 ± 0.101 χ^2/NDF : 164421412.7/4

144108.884 ± 0.053 χ^2/NDF : 392458486.9/23

144114.116 ± 0.053 χ^2/NDF : 230497208.9/24

yield_bpm0l08WS_rms vs Slug



Right In: 162.714 $\pm$ 0.047 χ^2 /NDF: 1066482.0/16

Left Out: 190.483 $\pm$ 0.062 χ^2 /NDF:282921.7/6

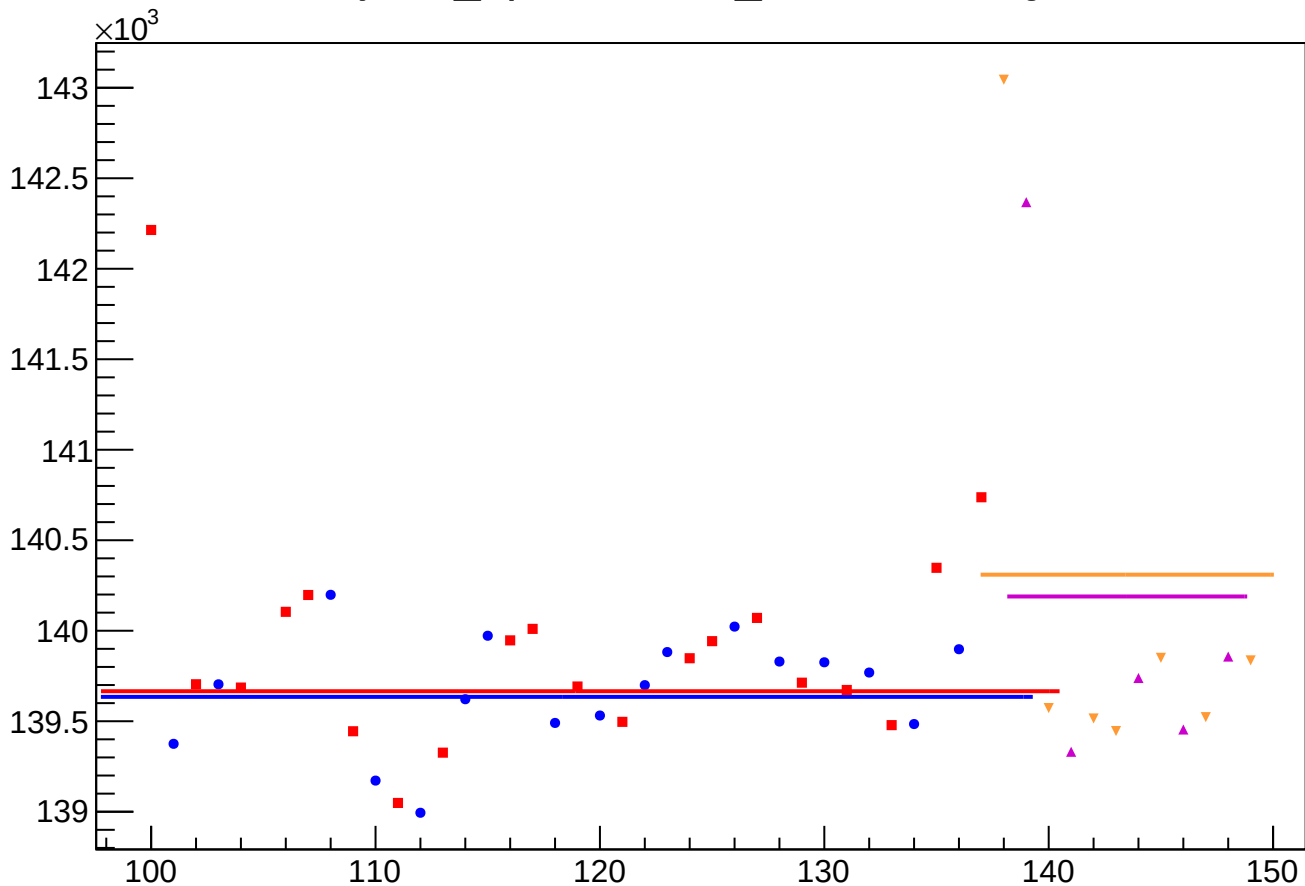
172.865 $\pm$ 0.038 χ^2 /NDF: 1475855.6/23

Right Out: 154.174 $\pm$ 0.044 χ^2 /NDF: 1224004.2/19

165.736 $\pm$ 0.037 χ^2 /NDF: 1719701.3/24

Left In: 197.127 $\pm$ 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: 140309.720 $\pm$ 0.096 χ^2 /NDF: 200902956.6/6

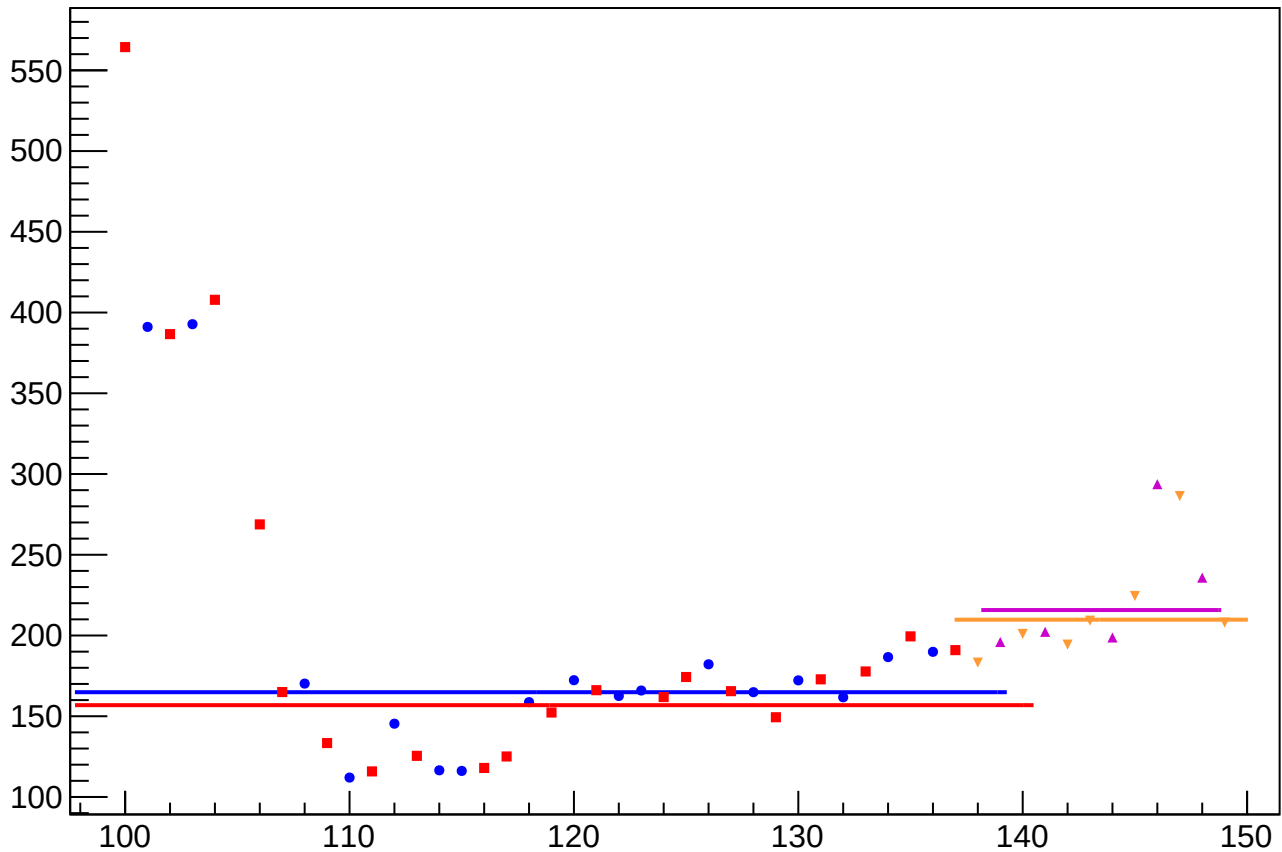
139859.408 $\pm$ 0.055 χ^2 /NDF: 258768059.4/23

Right Out: 139665.743 $\pm$ 0.063 χ^2 /NDF: 38703726.2/19

139793.451 $\pm$ 0.055 χ^2 /NDF: 164590681.0/24

Left In: 140189.297 $\pm$ 0.110 χ^2 /NDF: 108876023.3/4

yield_bpm0l09WS_rms vs Slug



Right In: 164.884+/-0.048 χ^2/NDF : 1066270.8/16

Left Out: 209.797+/-0.068 χ^2/NDF : 155900.2/6

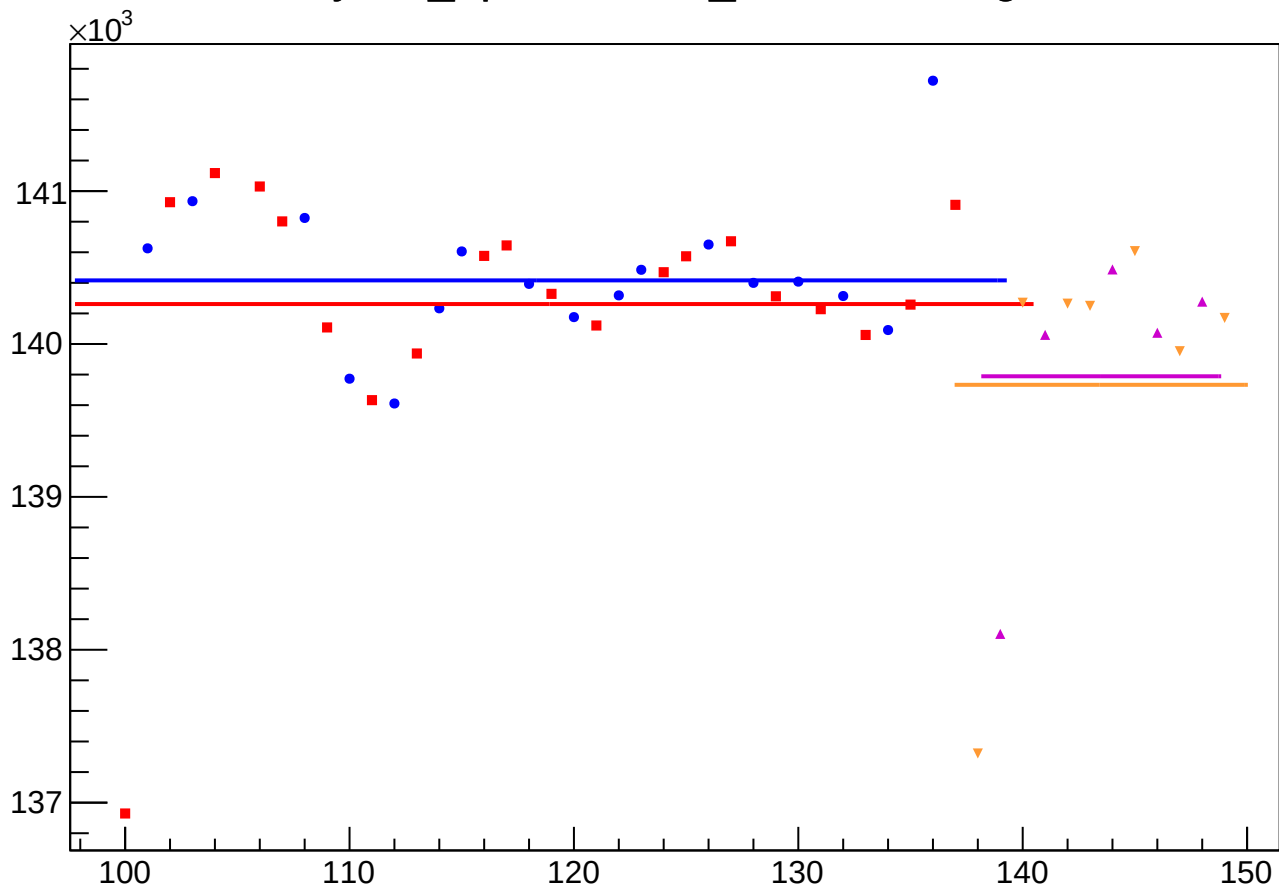
Right Out: 156.859+/-0.044 χ^2/NDF : 1250656.2/19

Left In: 215.759+/-0.078 χ^2/NDF : 154245.0/4

179.835+/-0.039 χ^2/NDF : 1514526.8/23

171.227+/-0.039 χ^2/NDF : 1835489.3/24

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 $\pm$ 0.068 χ^2/NDF : 69975821.3/16

Left Out: 139732.998 $\pm$ 0.086 χ^2/NDF : 180927489.6/6

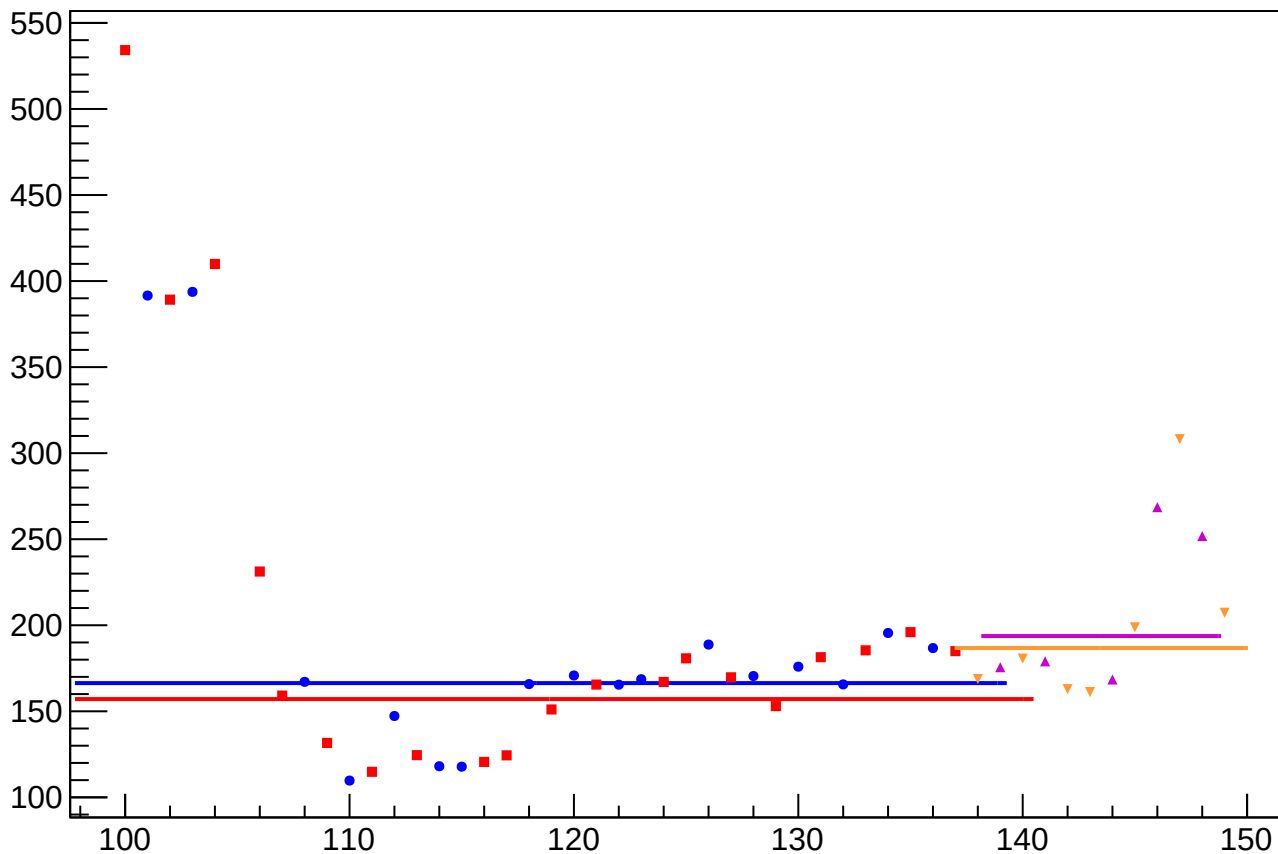
Right Out: 140261.267 $\pm$ 0.063 χ^2/NDF : 38479140.4/19

Left In: 139788.830 $\pm$ 0.100 χ^2/NDF : 82300956.6/4

140152.551 $\pm$ 0.054 χ^2/NDF : 289382677.4/23

140127.137 $\pm$ 0.053 χ^2/NDF : 136850600.2/24

yield_bpm0l10WS_rms vs Slug



Right In: 166.388 ± 0.048 χ^2/NDF : 1080964.8/16

Left Out: 186.775 ± 0.061 χ^2/NDF : 330513.3/6

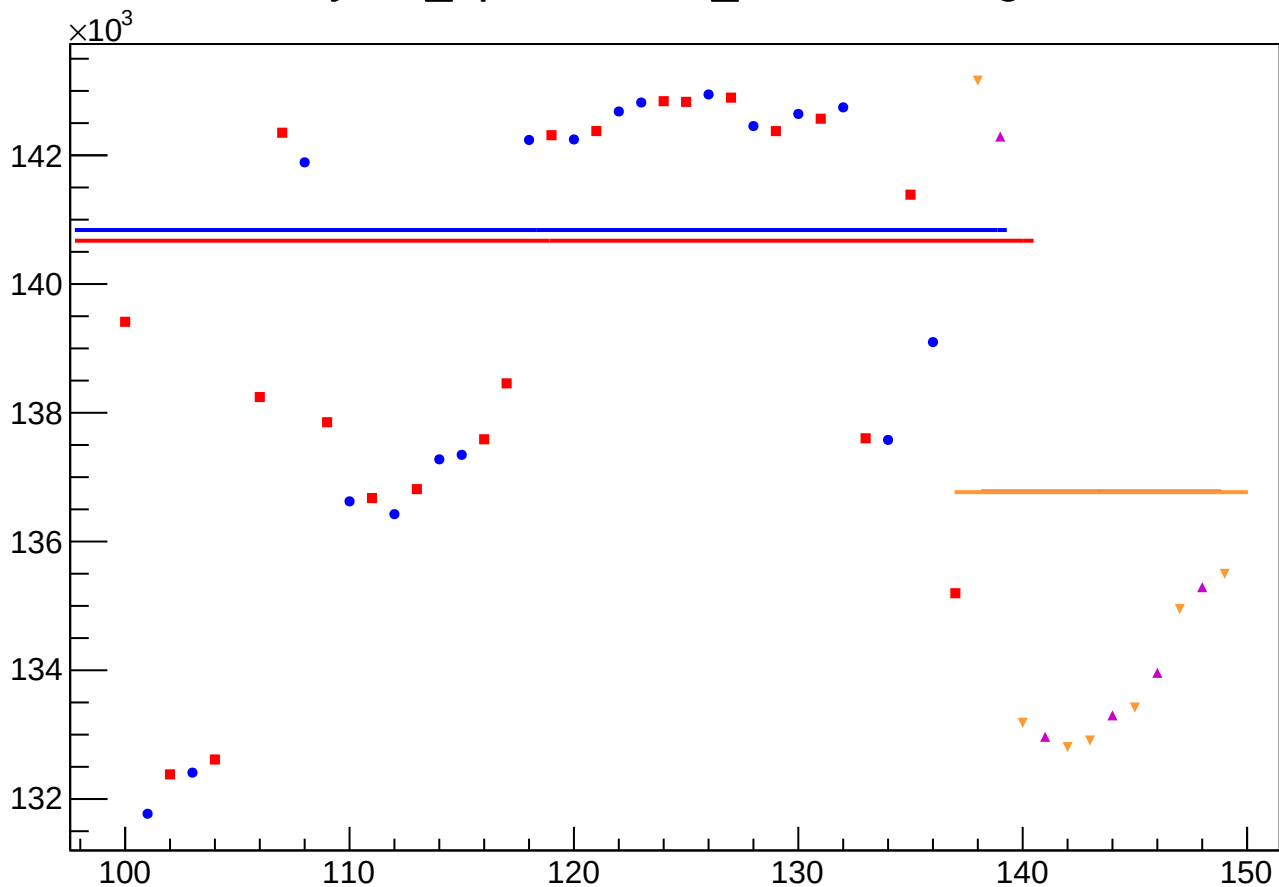
Right Out: 157.110 ± 0.044 χ^2/NDF : 1235934.7/19

Left In: 193.716 ± 0.071 χ^2/NDF : 267929.6/4

174.253 ± 0.038 χ^2/NDF : 1480032.4/23

167.503 ± 0.038 χ^2/NDF : 1696826.8/24

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 $\pm$ 0.100 χ^2 /NDF: 822682996.3/16

Left Out: 136766.963 $\pm$ 0.136 χ^2 /NDF: 1058378130.8/6

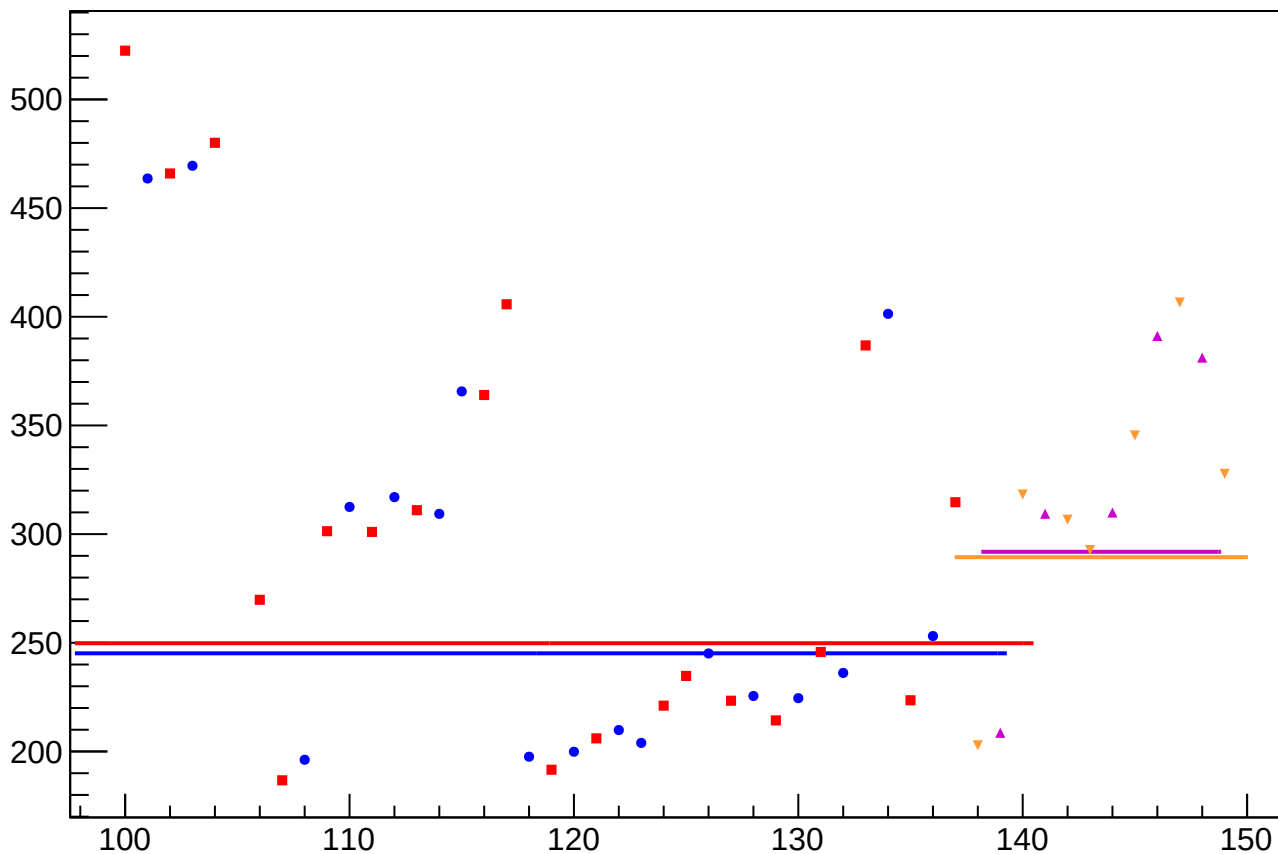
Right Out: 140672.898 $\pm$ 0.099 χ^2 /NDF: 841965357.5/19

Left In: 136775.965 $\pm$ 0.154 χ^2 /NDF: 734801630.7/4

139413.266 $\pm$ 0.081 χ^2 /NDF: 2461562349.6/23

139531.991 $\pm$ 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: 289.395 ± 0.096 χ^2/NDF : 457976.6/6

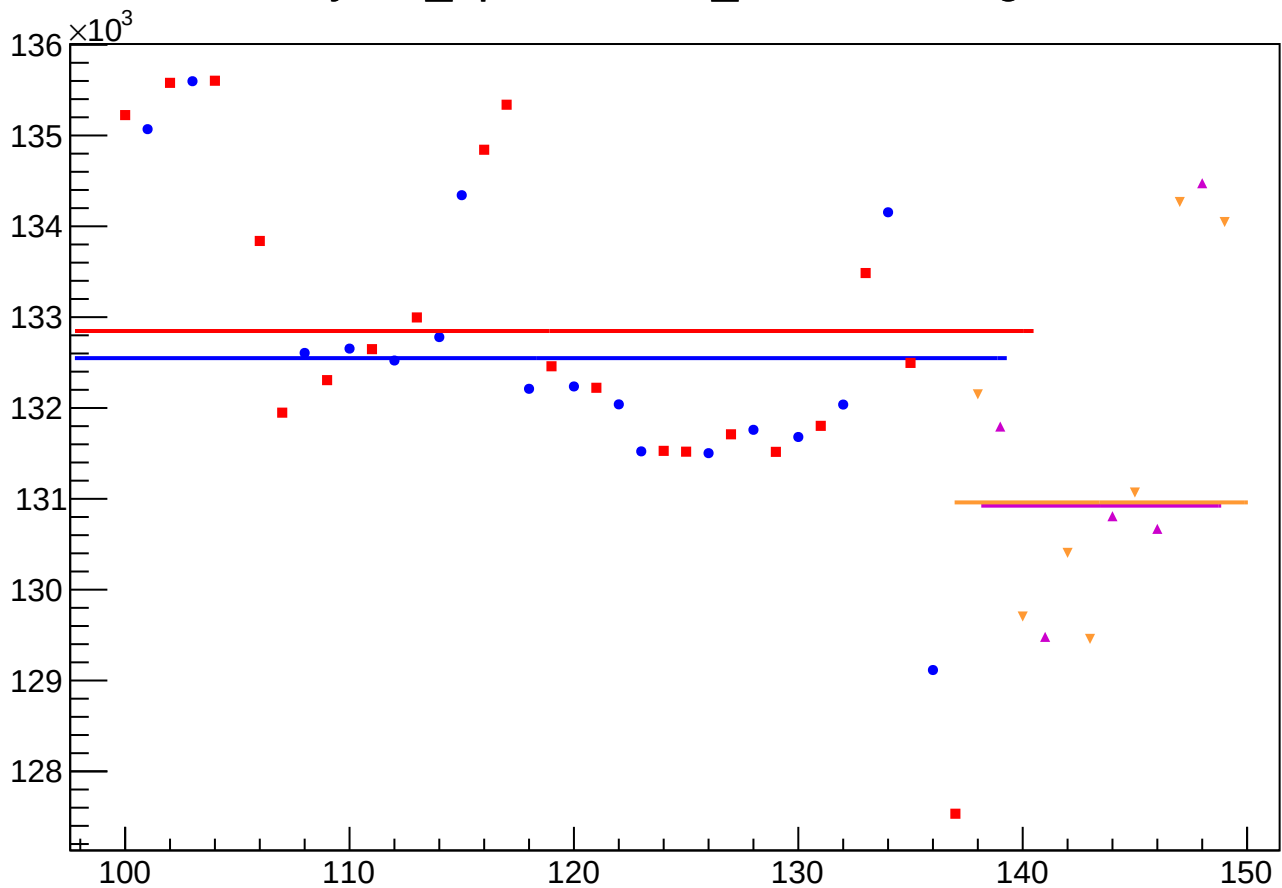
Right Out: 249.792 ± 0.070 χ^2/NDF : 1022316.0/19

Left In: 291.871 ± 0.109 χ^2/NDF : 400495.1/4

260.648 ± 0.057 χ^2/NDF : 1464470.3/23

262.112 ± 0.059 χ^2/NDF : 1528646.9/24

yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 $\pm$ 0.119 χ^2 /NDF: 161115079.9/16

Left Out: 130960.591 $\pm$ 0.098 χ^2 /NDF: 226725926.5/6

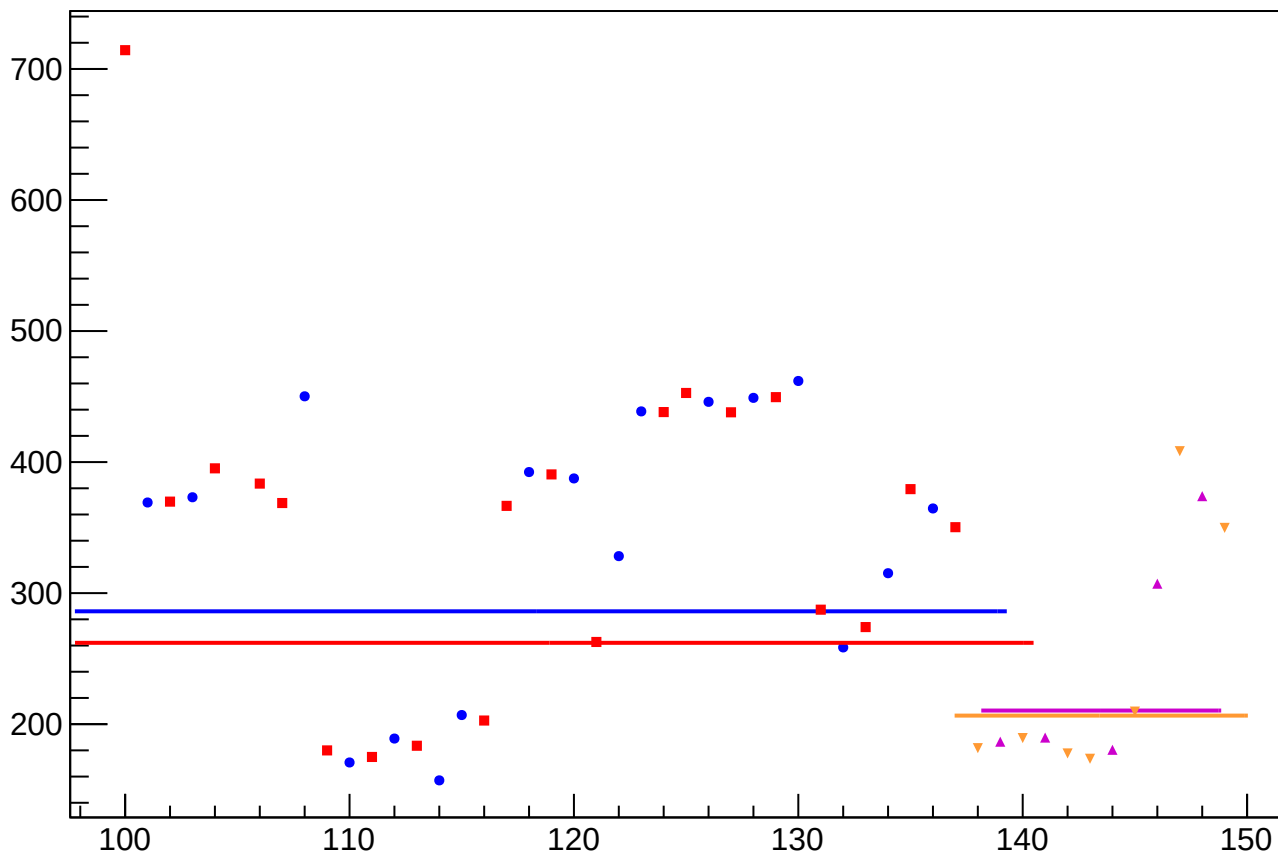
Right Out: 132847.502 $\pm$ 0.107 χ^2 /NDF: 151618589.4/19

Left In: 130924.873 $\pm$ 0.111 χ^2 /NDF: 134411956.4/4

131602.820 $\pm$ 0.076 χ^2 /NDF: 493292876.2/23

131924.618 $\pm$ 0.077 χ^2 /NDF: 441292033.2/24

yield_bpm0r05WS_rms vs Slug



Right In: 286.122+/-0.084 χ^2/NDF : 1525266.4/16

Left Out: 206.532+/-0.070 χ^2/NDF : 755649.1/6

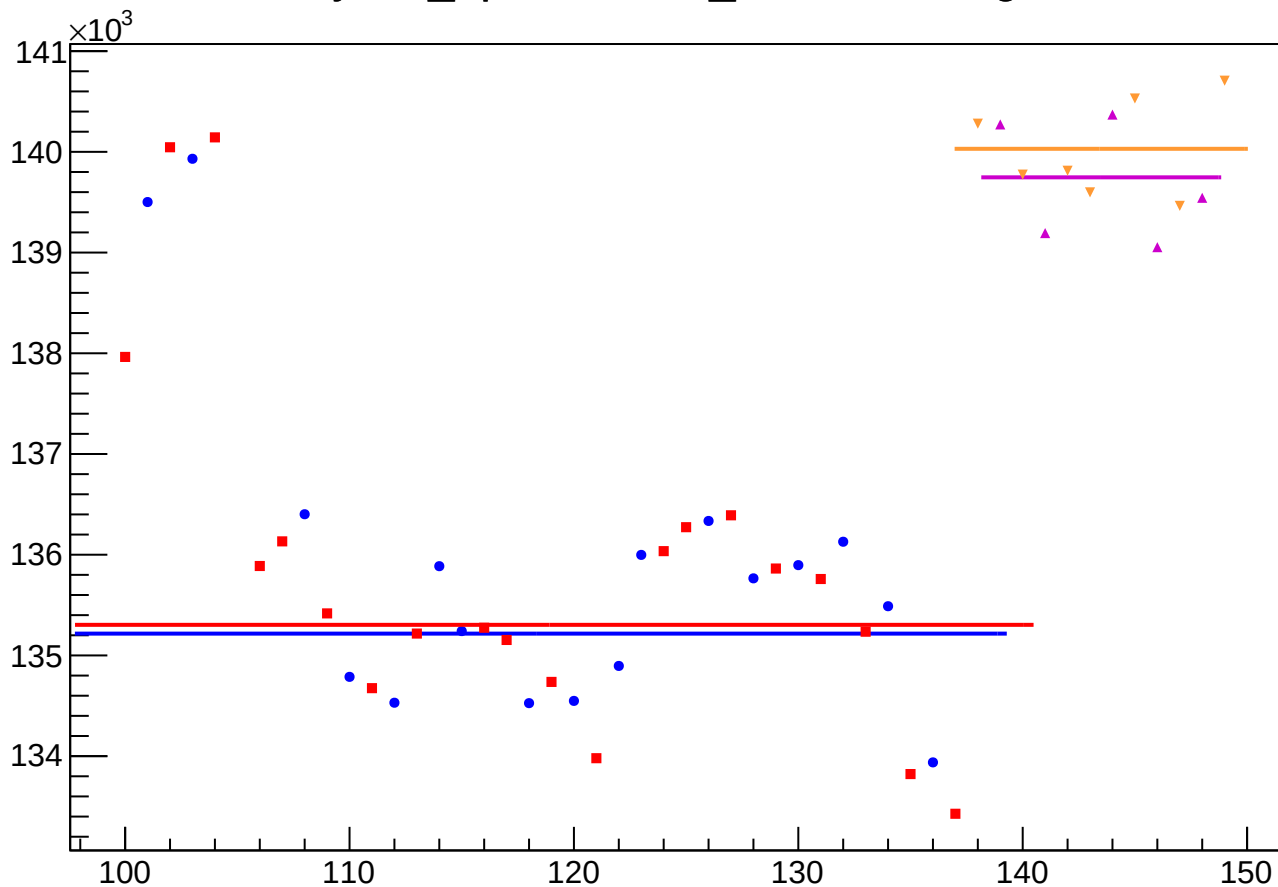
Right Out: 262.073+/-0.076 χ^2/NDF : 1630239.5/19

Left In: 210.394+/-0.079 χ^2/NDF : 538671.0/4

238.714+/-0.054 χ^2/NDF : 2810511.1/23

237.266+/-0.055 χ^2/NDF : 2393256.9/24

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 $\pm$ 0.054 χ^2 /NDF: 371347707.3/16

Left Out: 140030.241 $\pm$ 0.085 χ^2 /NDF: 25652315.8/6

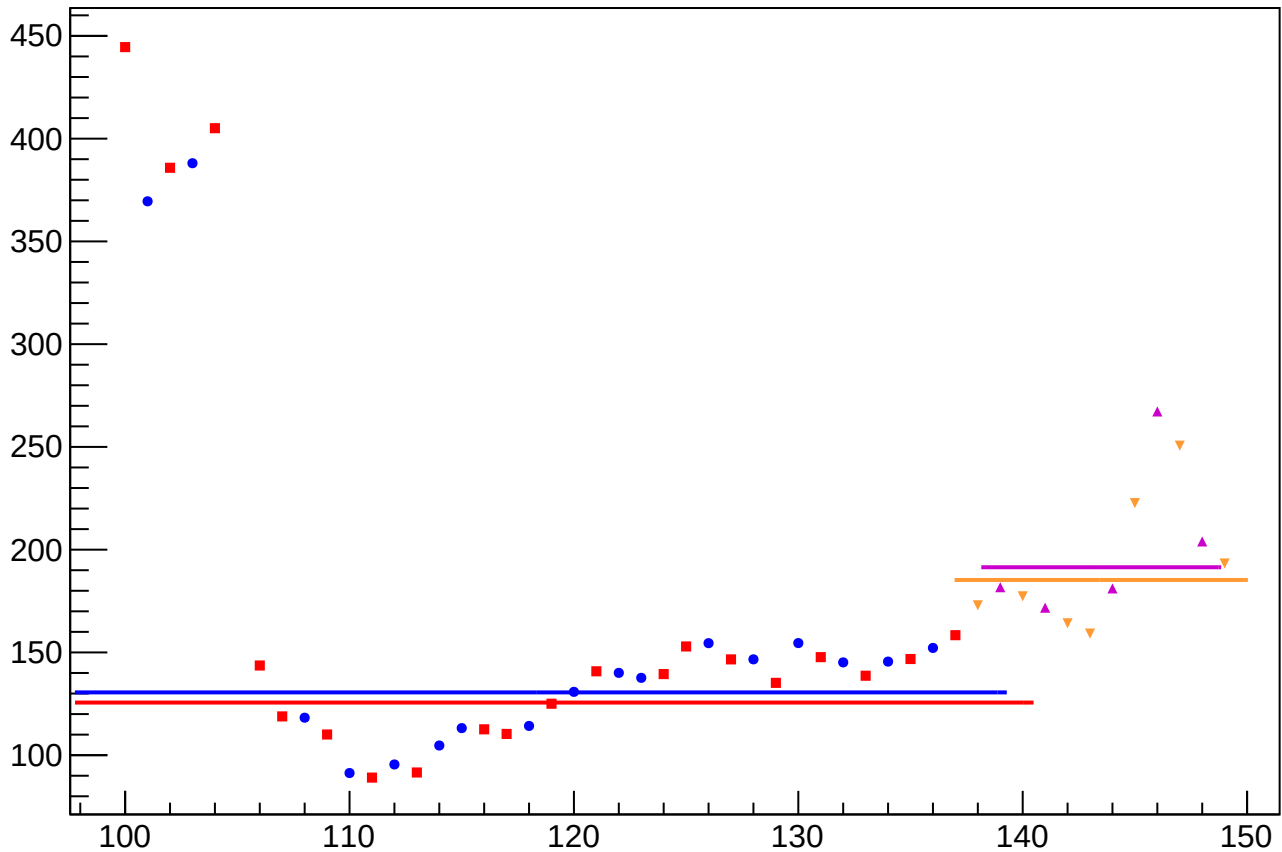
Right Out: 135303.736 $\pm$ 0.051 χ^2 /NDF: 357717935.5/19

Left In: 139746.898 $\pm$ 0.098 χ^2 /NDF: 30028680.2/4

136603.123 $\pm$ 0.046 χ^2 /NDF: 2655967000.5/23

136243.487 $\pm$ 0.045 χ^2 /NDF: 1999079774.6/24

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 $\pm$ 0.038 χ^2 /NDF: 1373104.9/16

Left Out: 185.262 $\pm$ 0.060 χ^2 /NDF:203750.2/6

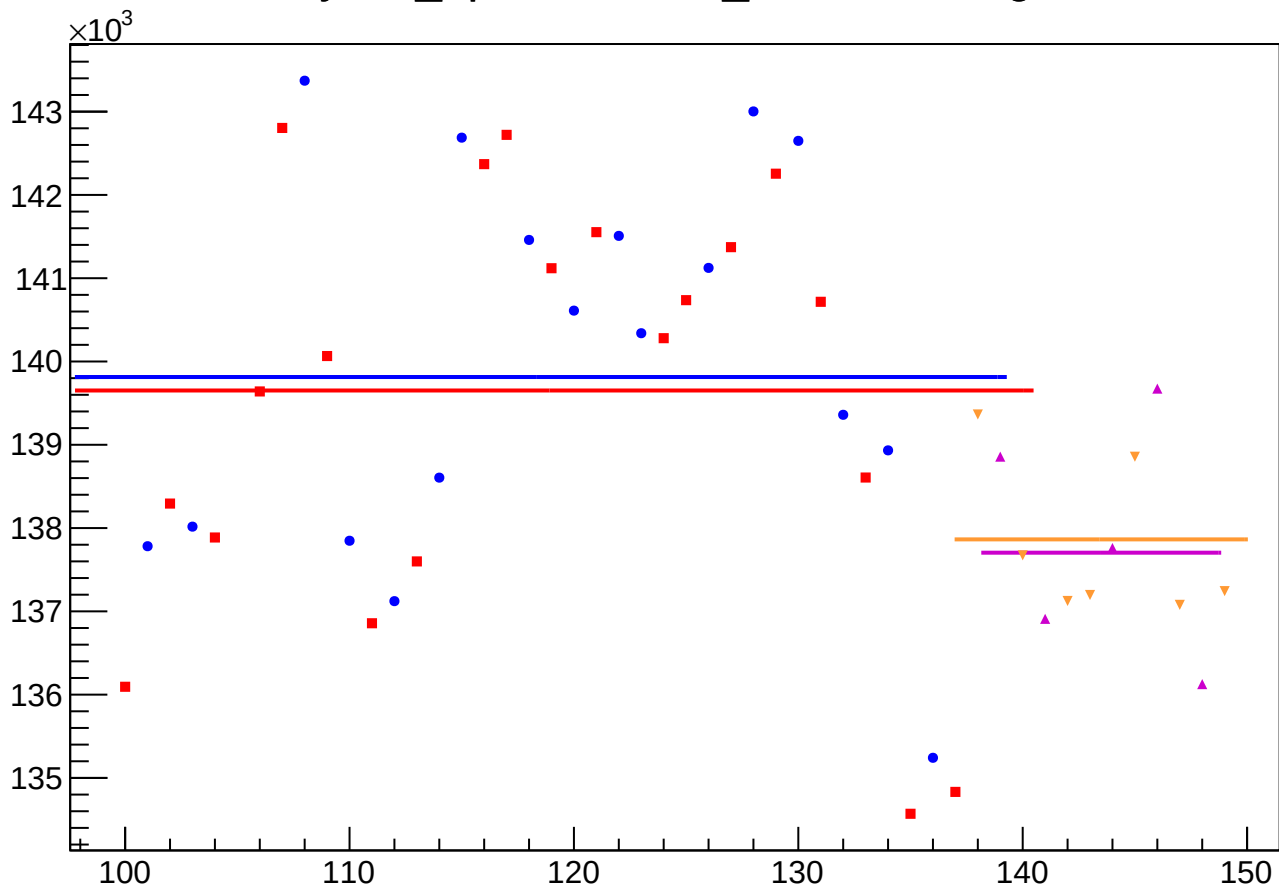
146.310 $\pm$ 0.032 χ^2 /NDF: 2160479.6/23

Right Out: 125.603 $\pm$ 0.036 χ^2 /NDF: 1441677.4/19

139.529 $\pm$ 0.032 χ^2 /NDF: 2305678.5/24

Left In: 191.446 $\pm$ 0.069 χ^2 /NDF:156314.2/4

yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 ± 0.062 χ^2/NDF : 1689865533.6/16

Left Out: 137864.053 ± 0.085 χ^2/NDF : 108884482.2/6

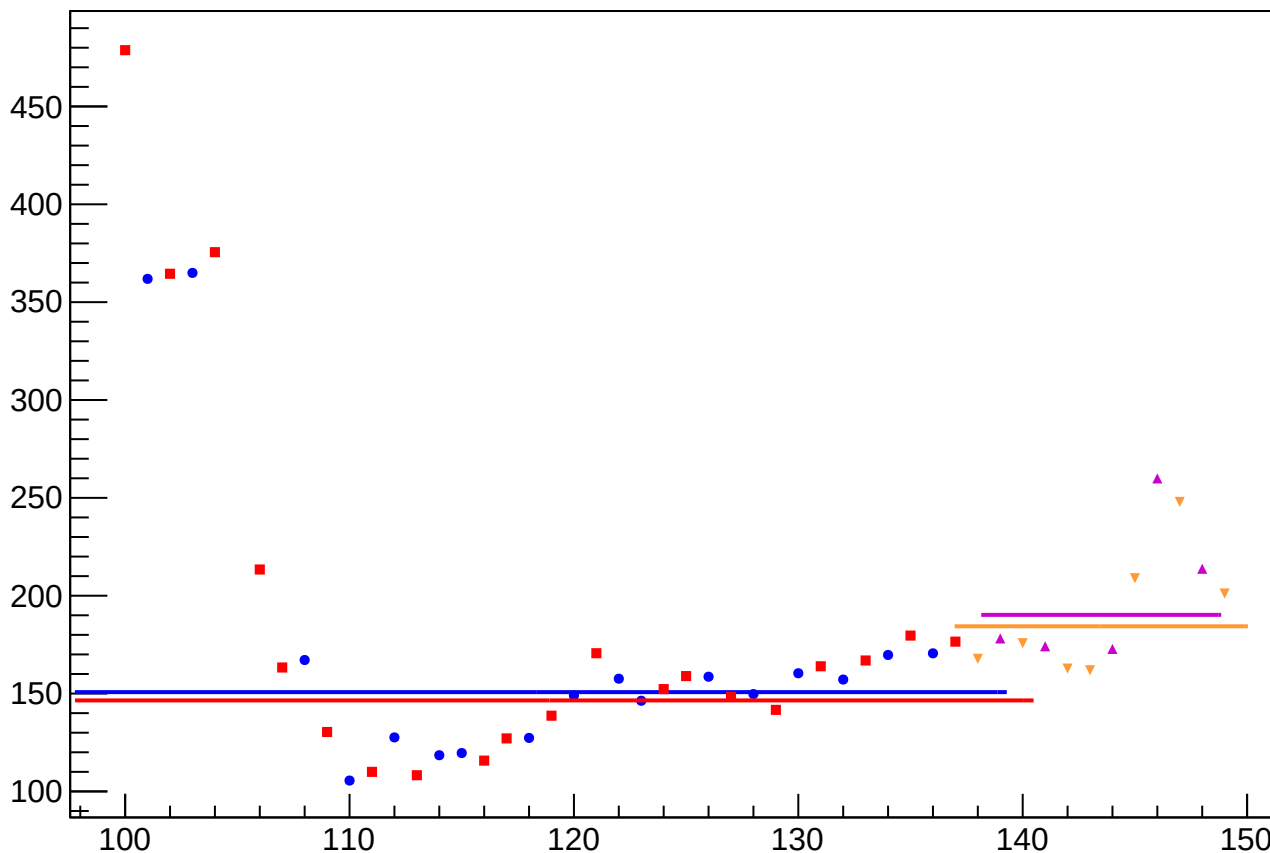
Right Out: 139651.821 ± 0.059 χ^2/NDF : 1531019137.4/19

Left In: 137704.361 ± 0.098 χ^2/NDF : 131695093.4/4

139136.381 ± 0.050 χ^2/NDF : 2143117966.6/23

139133.450 ± 0.050 χ^2/NDF : 1955212852.7/24

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733 $\pm$ 0.044 χ^2 /NDF: 1050071.6/16

Left Out: 184.379 $\pm$ 0.060 χ^2 /NDF:188999.4/6

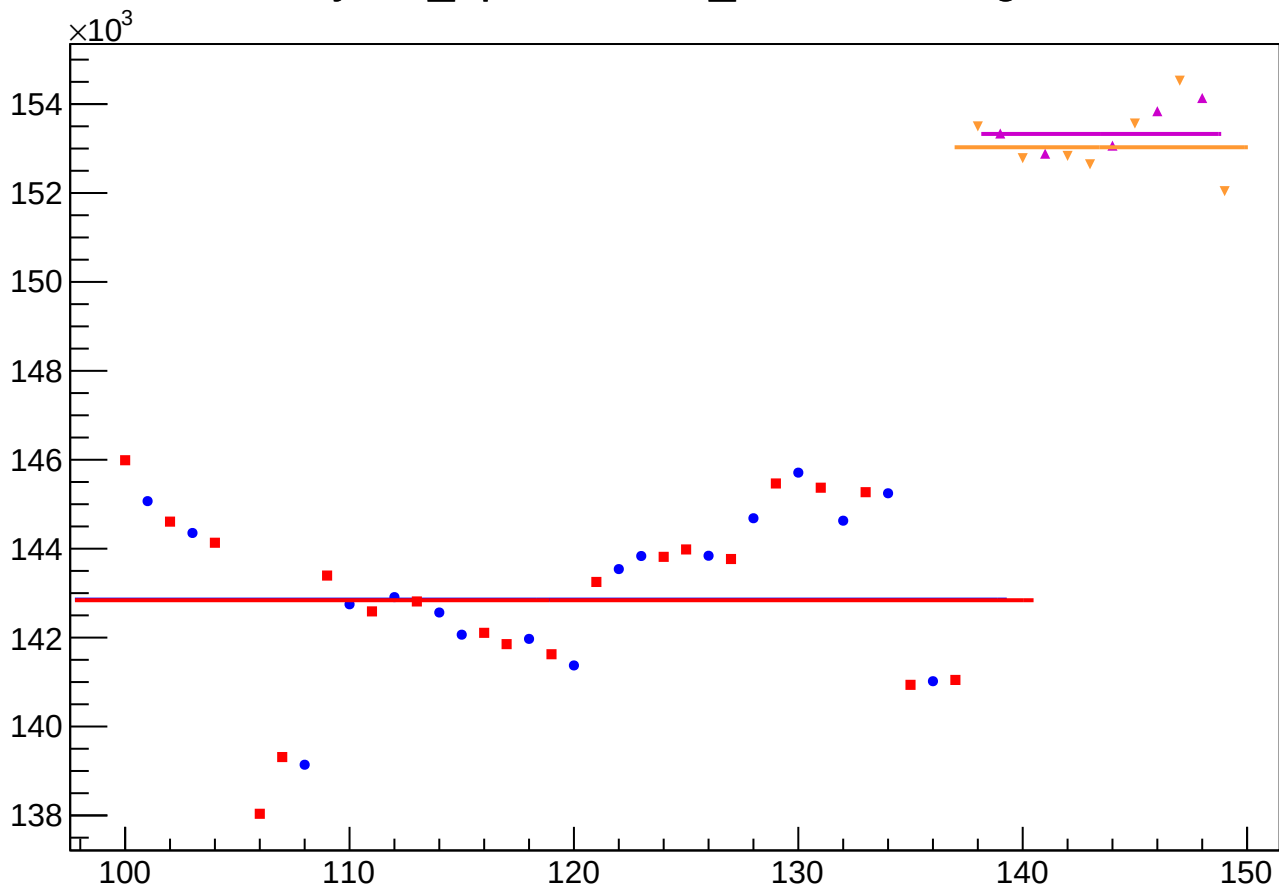
Right Out: 146.506 $\pm$ 0.042 χ^2 /NDF: 1205131.2/19

Left In: 190.216 $\pm$ 0.069 χ^2 /NDF:166270.9/4

162.422 $\pm$ 0.035 χ^2 /NDF: 1444200.5/23

158.140 $\pm$ 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: 153029.039 $\pm$ 0.085 χ^2 /NDF: 62990574.1/6

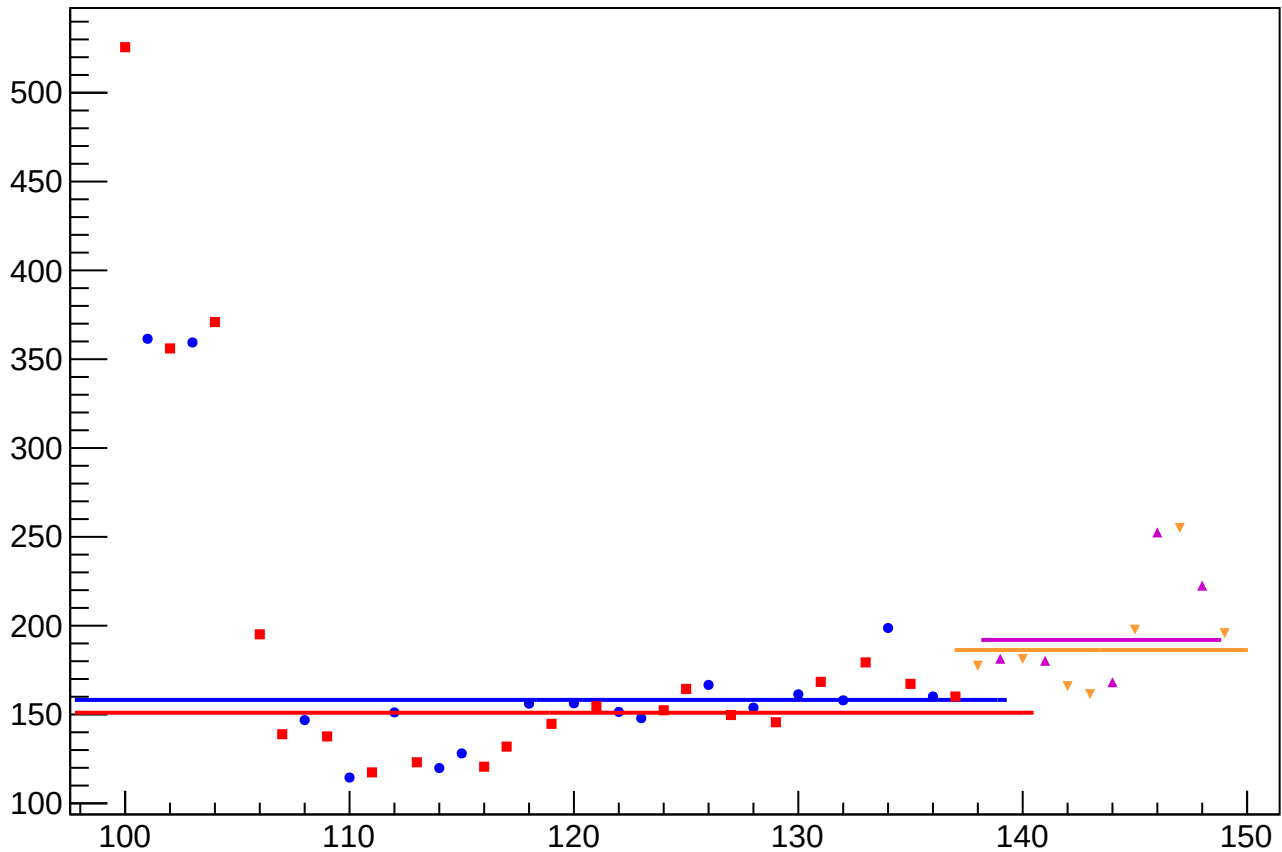
Right Out: 142840.509 $\pm$ 0.060 χ^2 /NDF: 852484333.4/19

Left In: 153328.668 $\pm$ 0.098 χ^2 /NDF: 20650843.2/4

146560.602 $\pm$ 0.052 χ^2 /NDF: 9822482612.7/23

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: 186.308+/-0.060 χ^2/NDF :168830.3/6

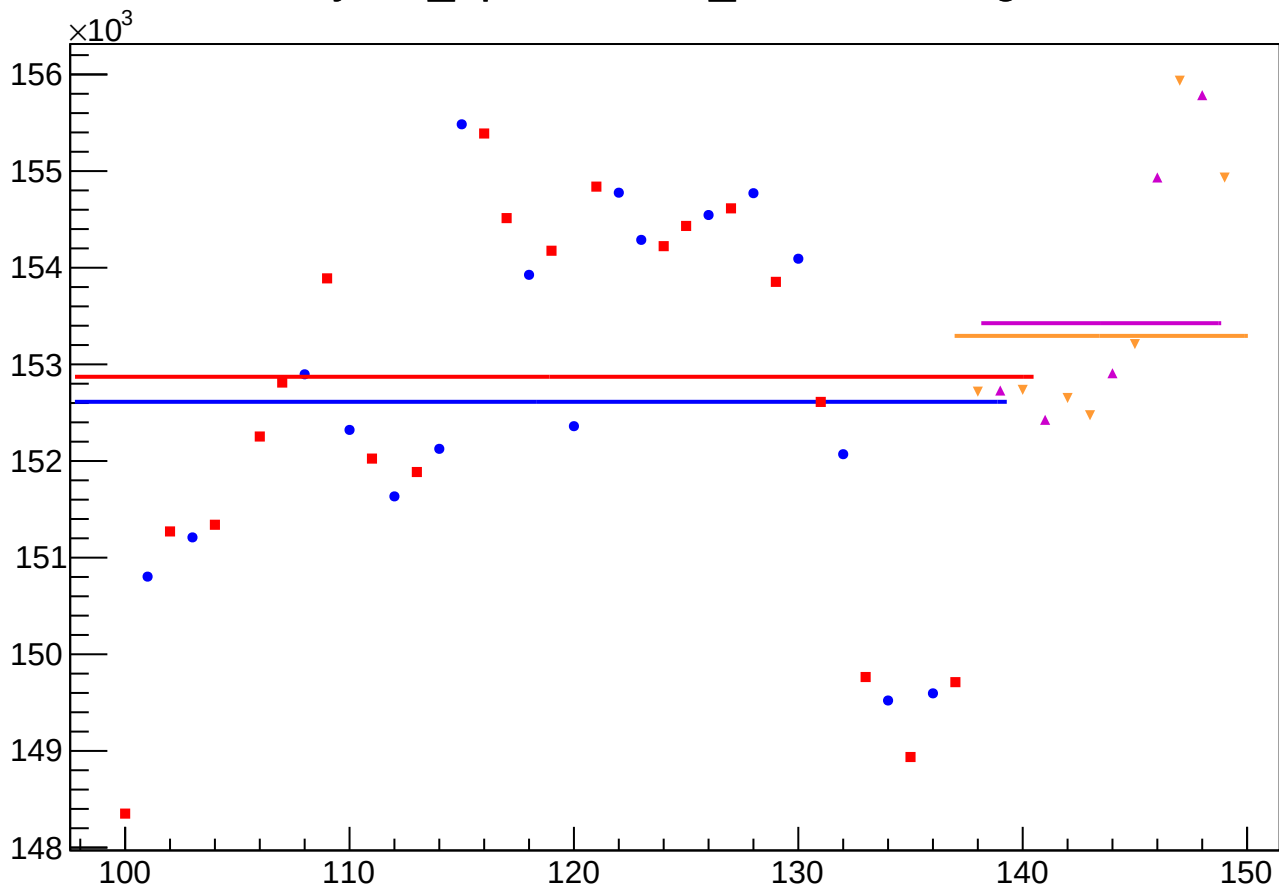
168.460+/-0.036 χ^2/NDF : 1189683.0/23

Right Out: 151.003+/-0.043 χ^2/NDF : 1005104.9/19

162.197+/-0.036 χ^2/NDF : 1423589.1/24

Left In: 191.980+/-0.069 χ^2/NDF :164730.0/4

yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072 χ^2 /NDF: 621416187.4/16

Left Out: 153294.725 $\pm$ 0.086 χ^2 /NDF: 163551164.7/6

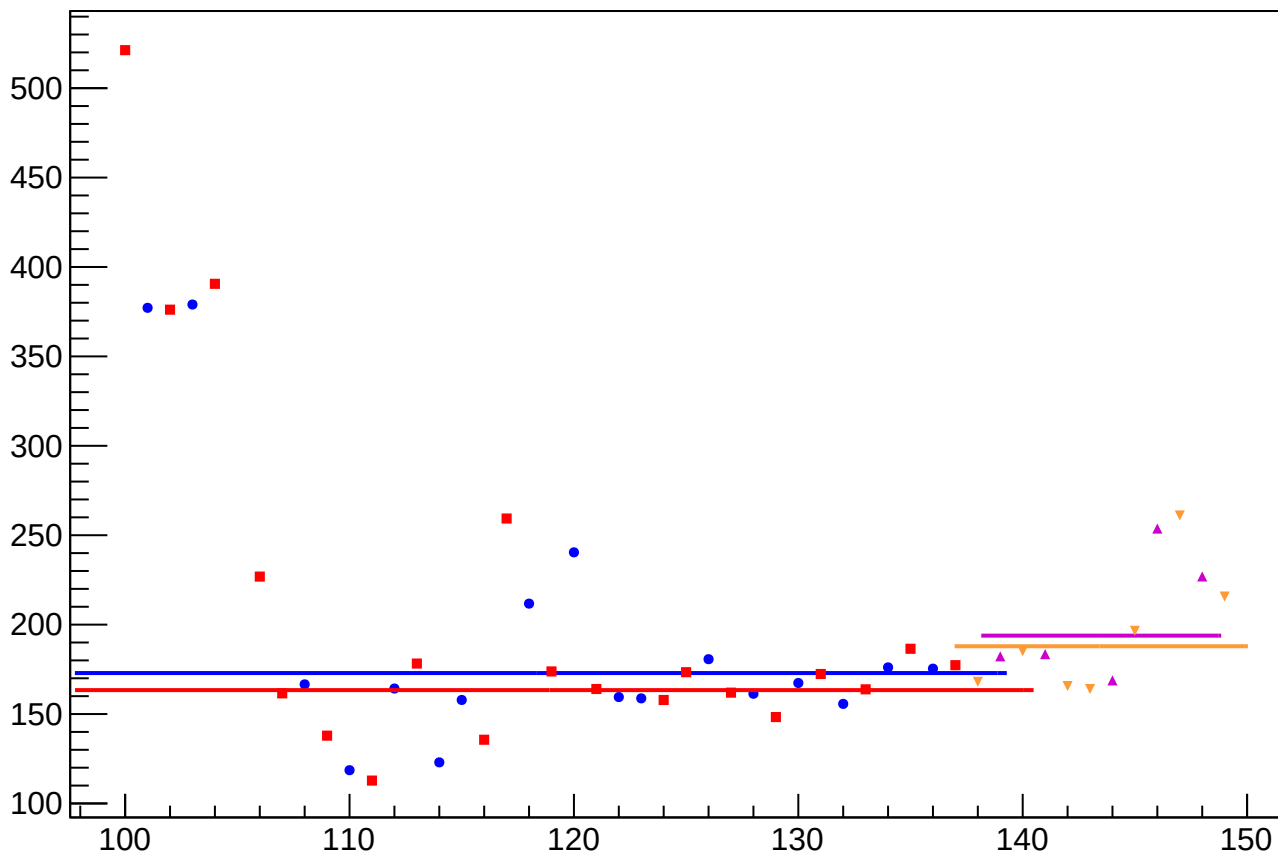
Right Out: 152871.618 $\pm$ 0.066 χ^2 /NDF: 720639345.6/19

Left In: 153426.082 $\pm$ 0.099 χ^2 /NDF: 155108996.0/4

152893.872 $\pm$ 0.055 χ^2 /NDF: 821810830.1/23

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: 187.915 ± 0.061 χ^2/NDF : 214321.9/6

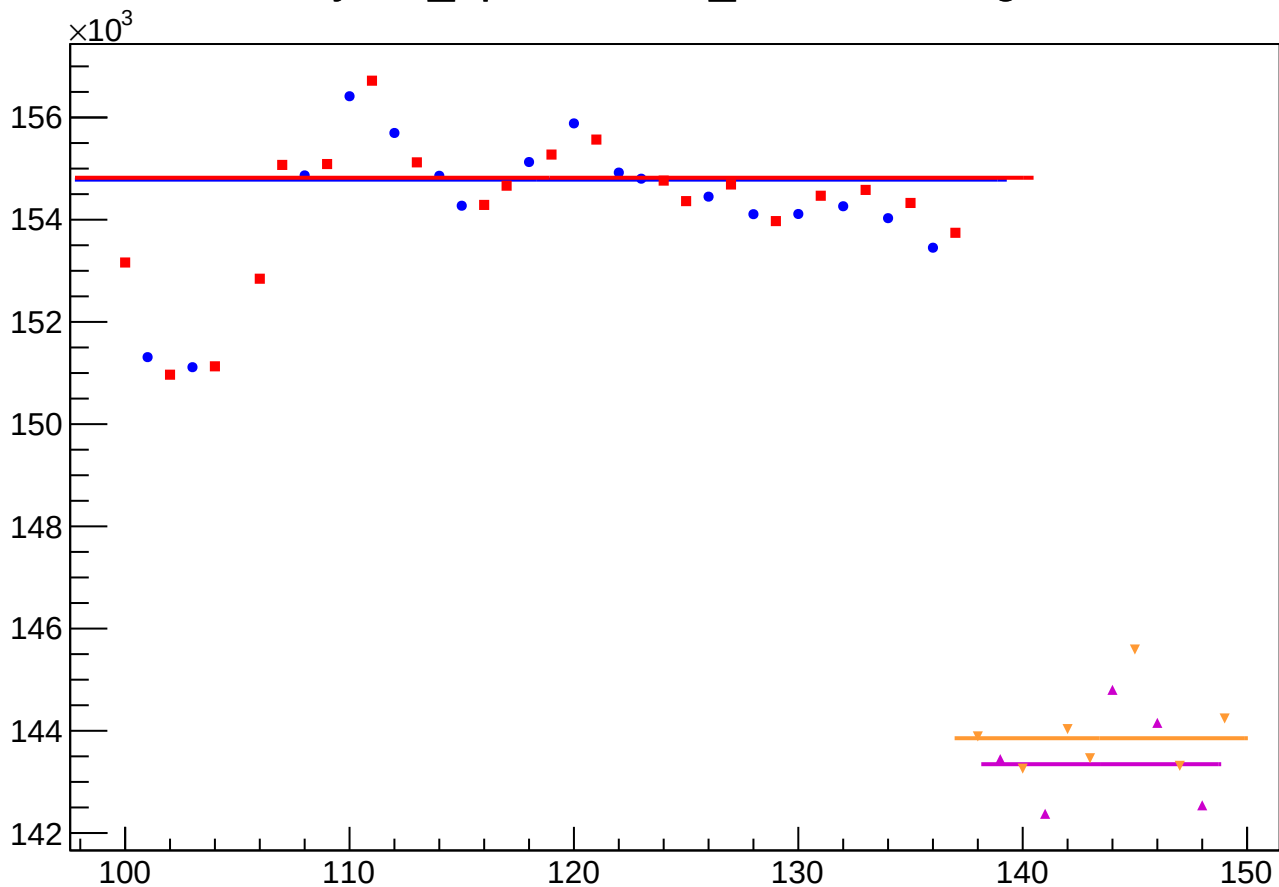
Right Out: 163.382 ± 0.047 χ^2/NDF : 1044431.2/19

Left In: 193.848 ± 0.070 χ^2/NDF : 168965.9/4

179.104 ± 0.039 χ^2/NDF : 1191879.3/23

172.795 ± 0.039 χ^2/NDF : 1344551.3/24

yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 ± 0.065 $\chi^2/\text{NDF}: 265581398.0/16$

Left Out: 143854.673 ± 0.078 $\chi^2/\text{NDF}: 74154946.0/6$

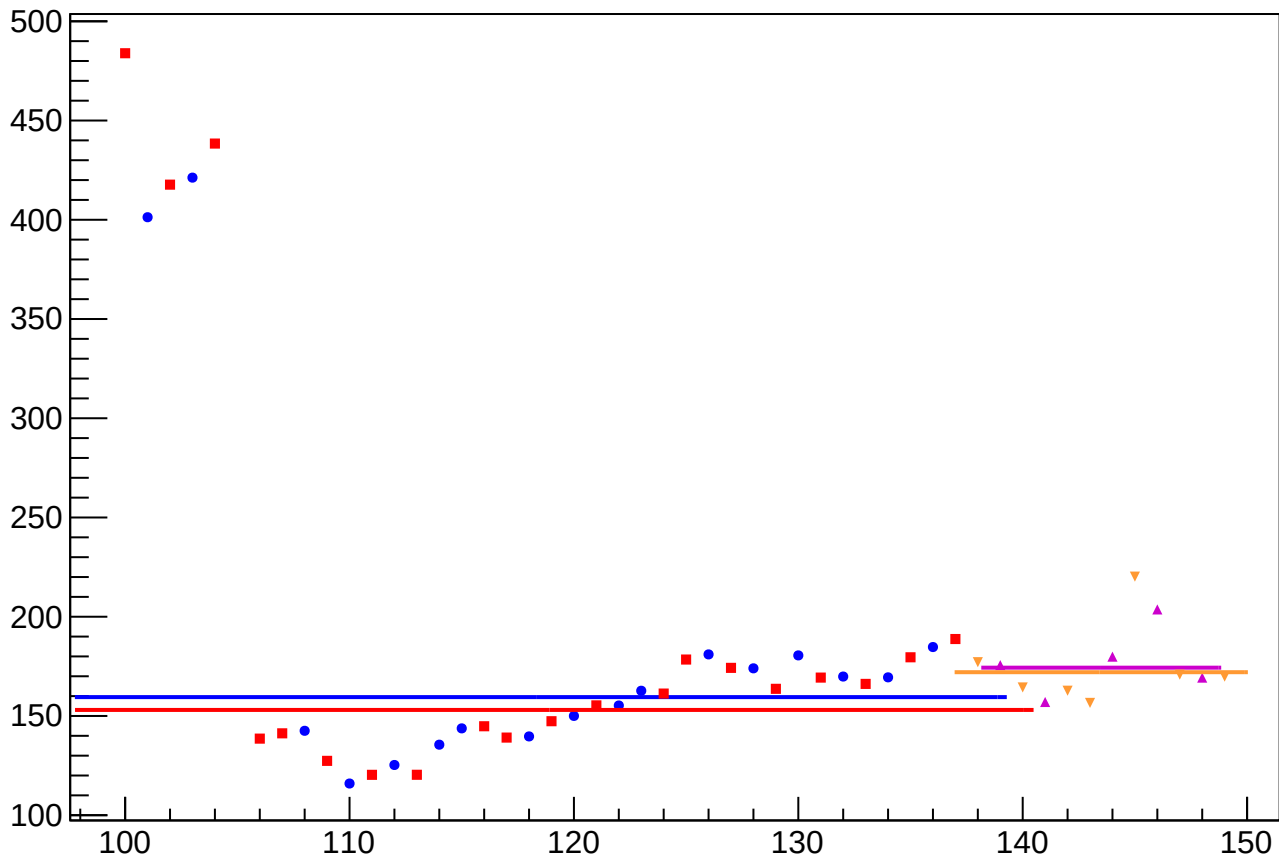
Right Out: 154820.824 ± 0.061 $\chi^2/\text{NDF}: 293904936.4/19$

Left In: 143346.585 ± 0.088 $\chi^2/\text{NDF}: 118270638.4/4$

150278.418 ± 0.050 $\chi^2/\text{NDF}: 11863831900.7/2$

151126.761 ± 0.050 $\chi^2/\text{NDF}: 11940393578.4/2$

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 172.053 $\pm$ 0.055 χ^2 /NDF:93645.6/6

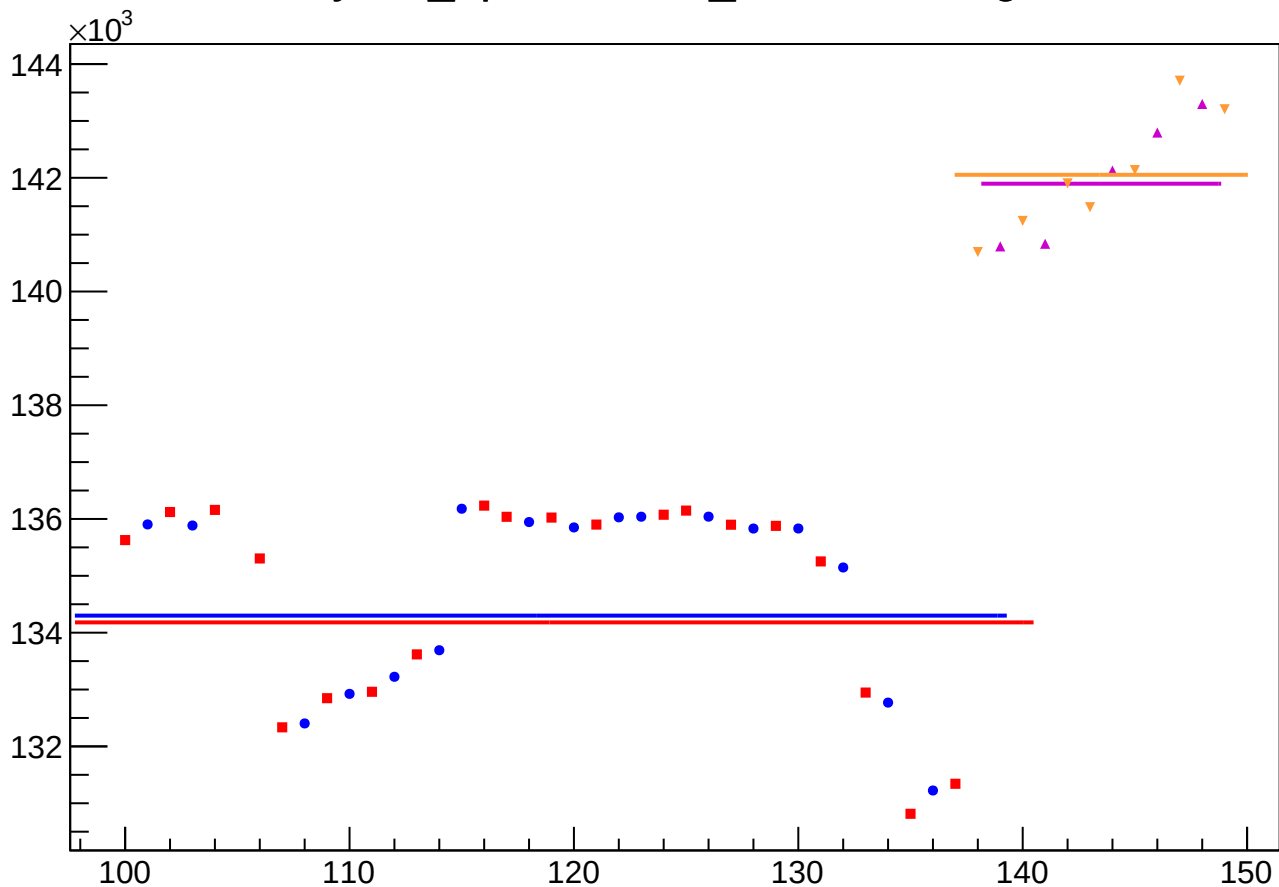
164.677 $\pm$ 0.035 χ^2 /NDF: 1255876.4/23

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: 142052.805 $\pm$ 0.077 χ^2 /NDF: 182560073.7/6

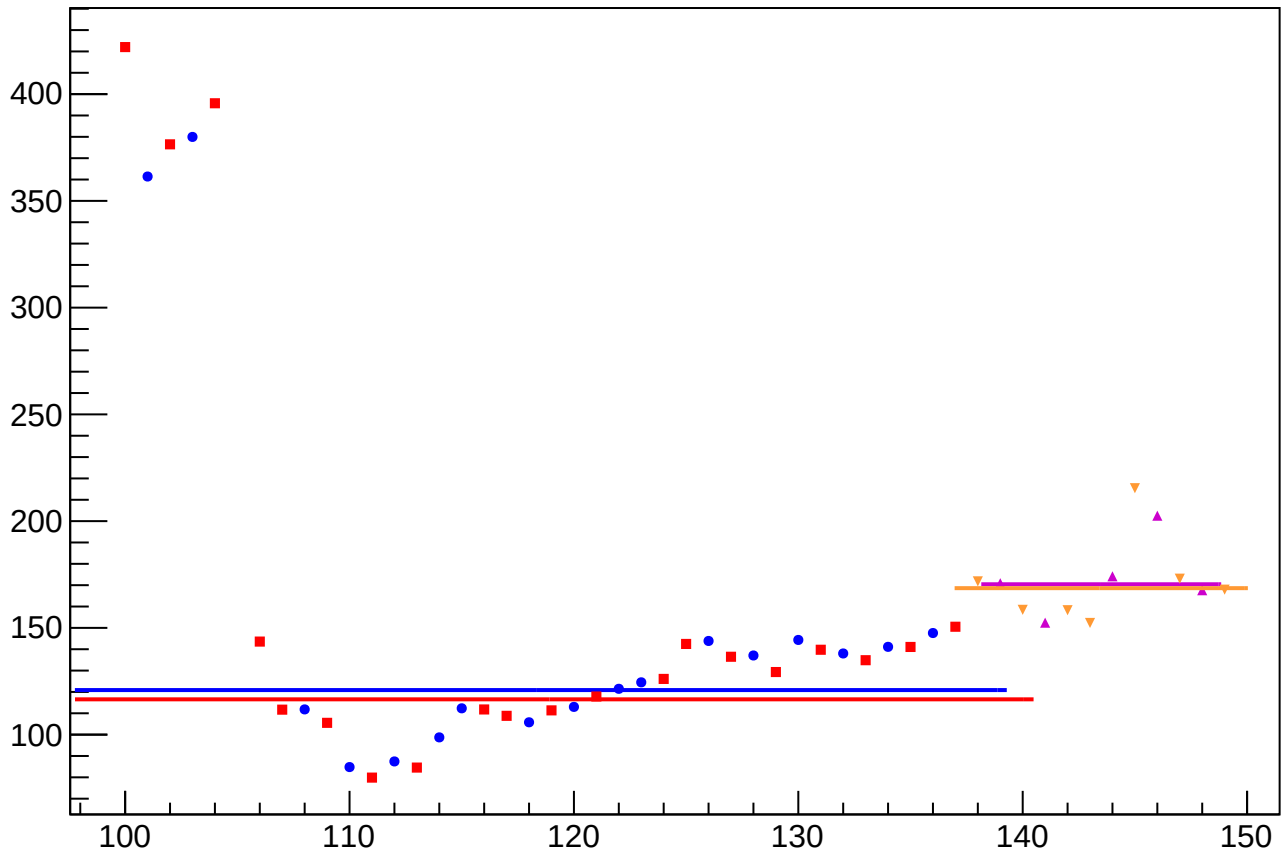
Right Out: 134180.888 $\pm$ 0.047 χ^2 /NDF: 1224202240.2/19

Left In: 141896.098 $\pm$ 0.086 χ^2 /NDF: 141202929.7/4

136636.726 $\pm$ 0.042 χ^2 /NDF: 8480335796.0/23

135960.252 $\pm$ 0.041 χ^2 /NDF: 7527610065.1/24

yield_bpm1i04WS_rms vs Slug



Right In: 120.872 ± 0.036 χ^2/NDF : 1463728.4/16

Left Out: 168.605 ± 0.054 χ^2/NDF : 98642.6/6

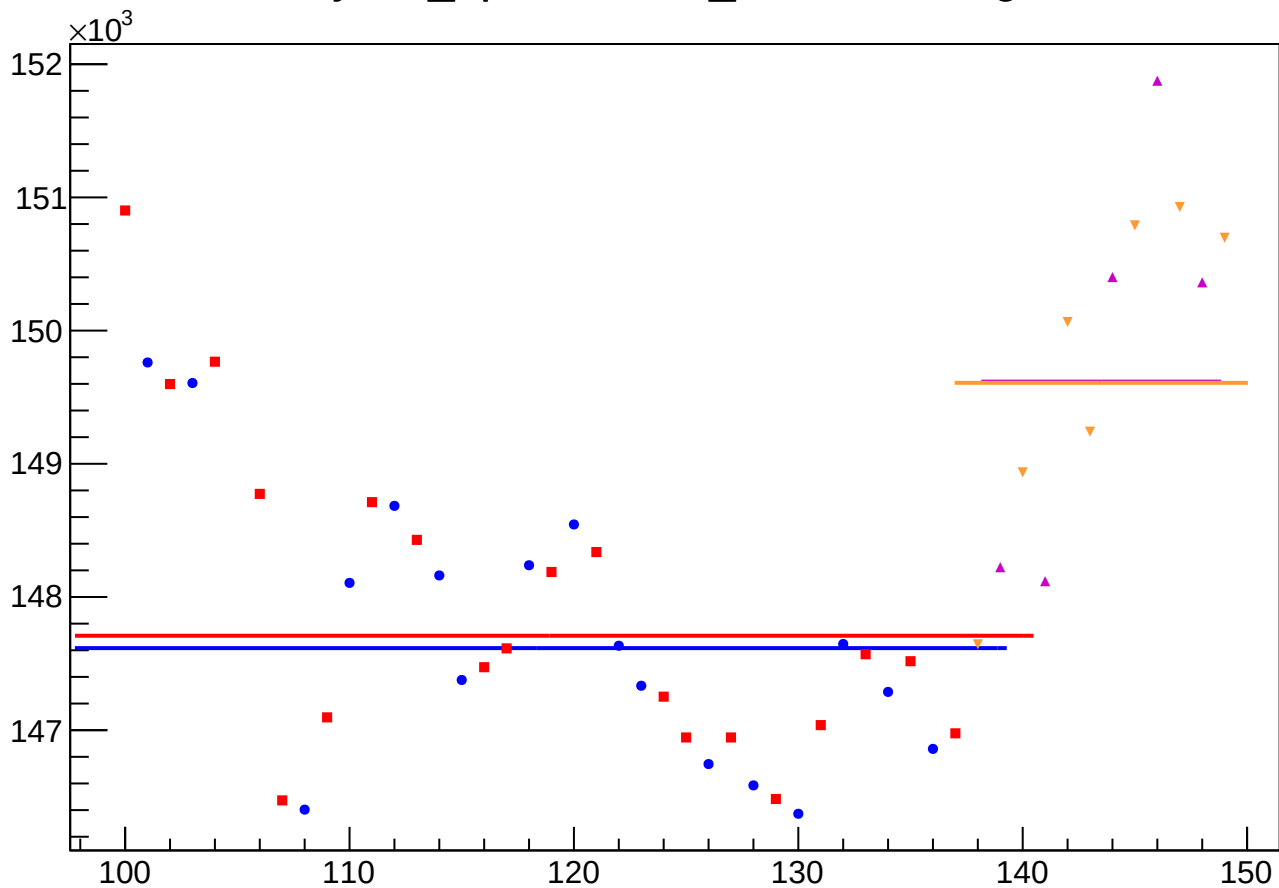
Right Out: 116.531 ± 0.033 χ^2/NDF : 1541779.4/19

Left In: 170.428 ± 0.061 χ^2/NDF : 63810.9/4

135.259 ± 0.030 χ^2/NDF : 2104307.0/23

128.961 ± 0.029 χ^2/NDF : 2207036.0/24

yield_bpm1i06WS_mean vs Slug



Right In: 147616.150 ± 0.062 $\chi^2/\text{NDF}: 199263428.7/16$

Left Out: 149607.963 ± 0.094 $\chi^2/\text{NDF}: 144106835.6/6$

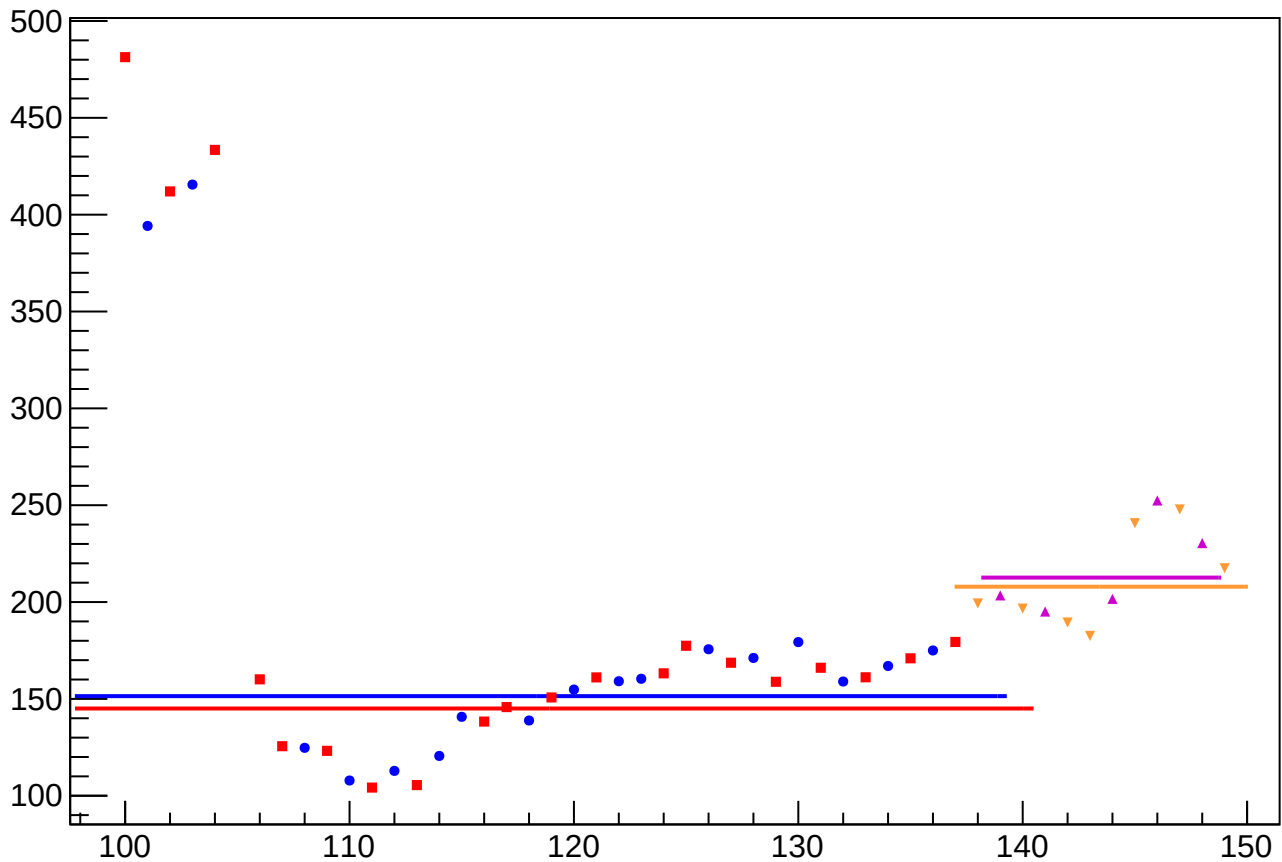
Right Out: 147709.096 ± 0.058 $\chi^2/\text{NDF}: 203924272.1/19$

Left In: 149617.040 ± 0.107 $\chi^2/\text{NDF}: 165827803.0/4$

148222.236 ± 0.052 $\chi^2/\text{NDF}: 652579204.1/23$

148141.630 ± 0.051 $\chi^2/\text{NDF}: 613937680.0/24$

yield_bpm1i06WS_rms vs Slug



Right In: 151.424 $\pm$ 0.044 χ^2/NDF : 1257843.0/16

Left Out: 207.924 $\pm$ 0.067 χ^2/NDF : 112967.9/6

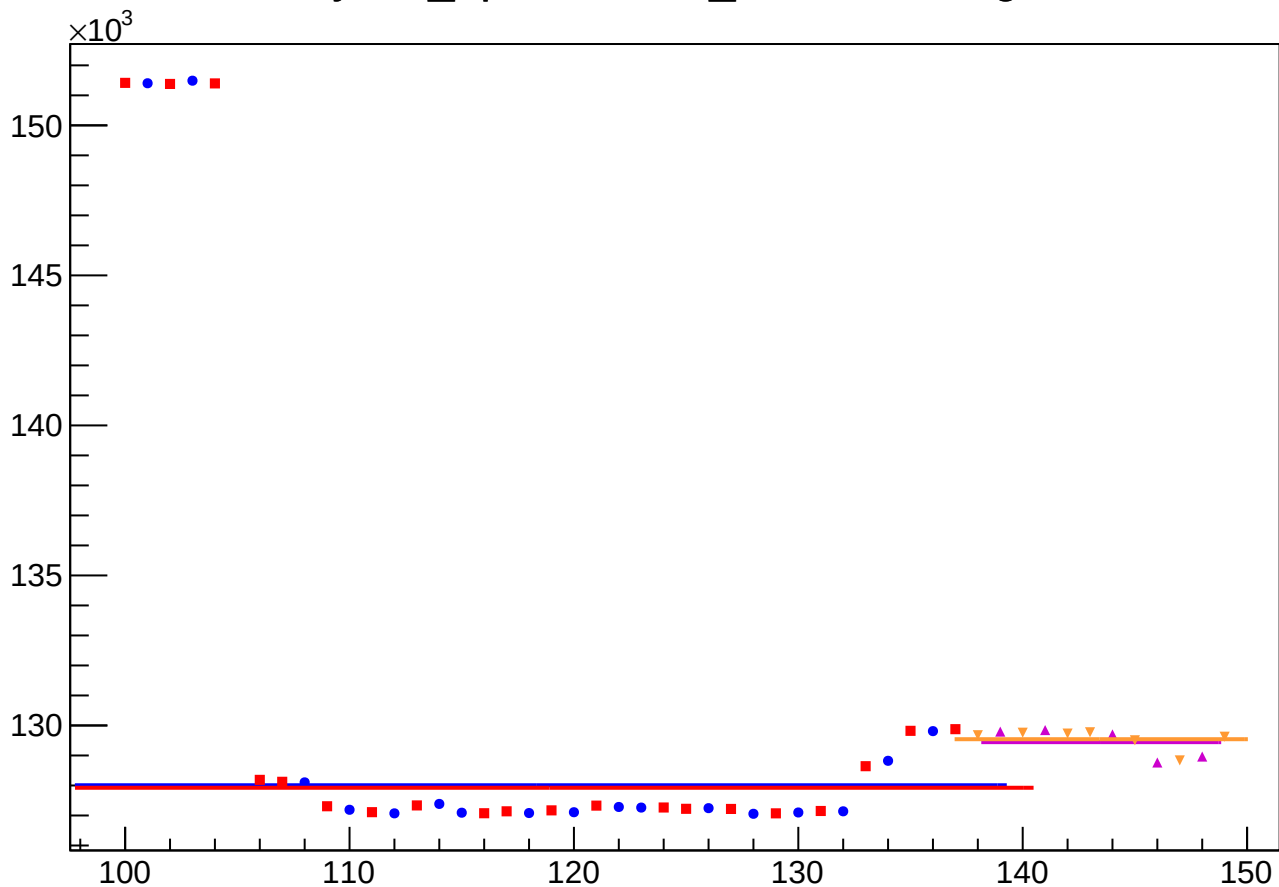
Right Out: 145.044 $\pm$ 0.041 χ^2/NDF : 1375974.1/19

Left In: 212.630 $\pm$ 0.076 χ^2/NDF : 70347.2/4

168.616 $\pm$ 0.037 χ^2/NDF : 1868413.6/23

160.366 $\pm$ 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: 129542.069 $\pm$ 0.076 χ^2 /NDF: 18677495.1/6

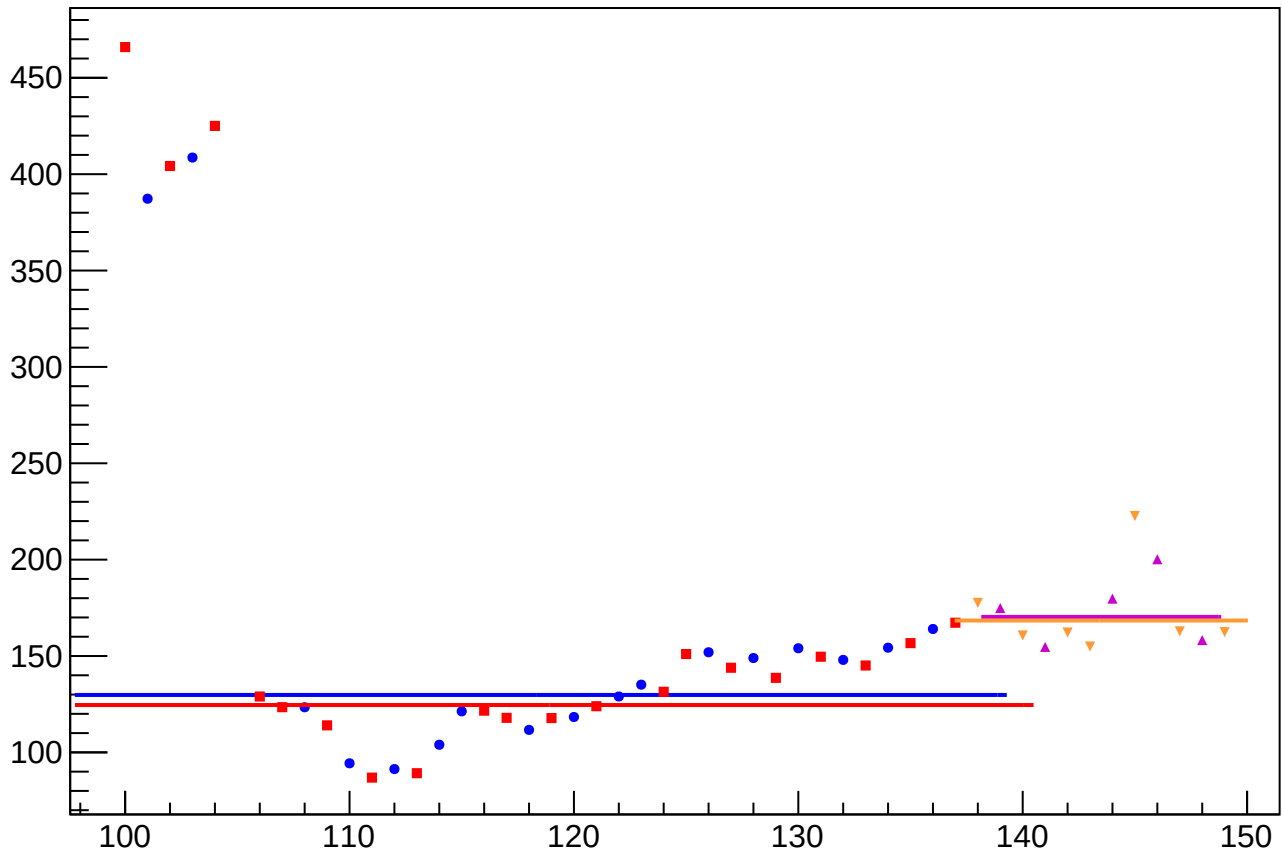
Right Out: 127923.940 $\pm$ 0.050 χ^2 /NDF: 3770107280.1/19

Left In: 129444.328 $\pm$ 0.086 χ^2 /NDF: 26497979.1/4

128519.387 $\pm$ 0.044 χ^2 /NDF: 4606713402.9/23

128309.573 $\pm$ 0.043 χ^2 /NDF: 4029417212.6/24

yield_bpm2i01WS_rms vs Slug



Right In: 129.796+/-0.038 χ^2/NDF : 1485294.2/16

Left Out: 168.411+/-0.054 χ^2/NDF :113466.4/6

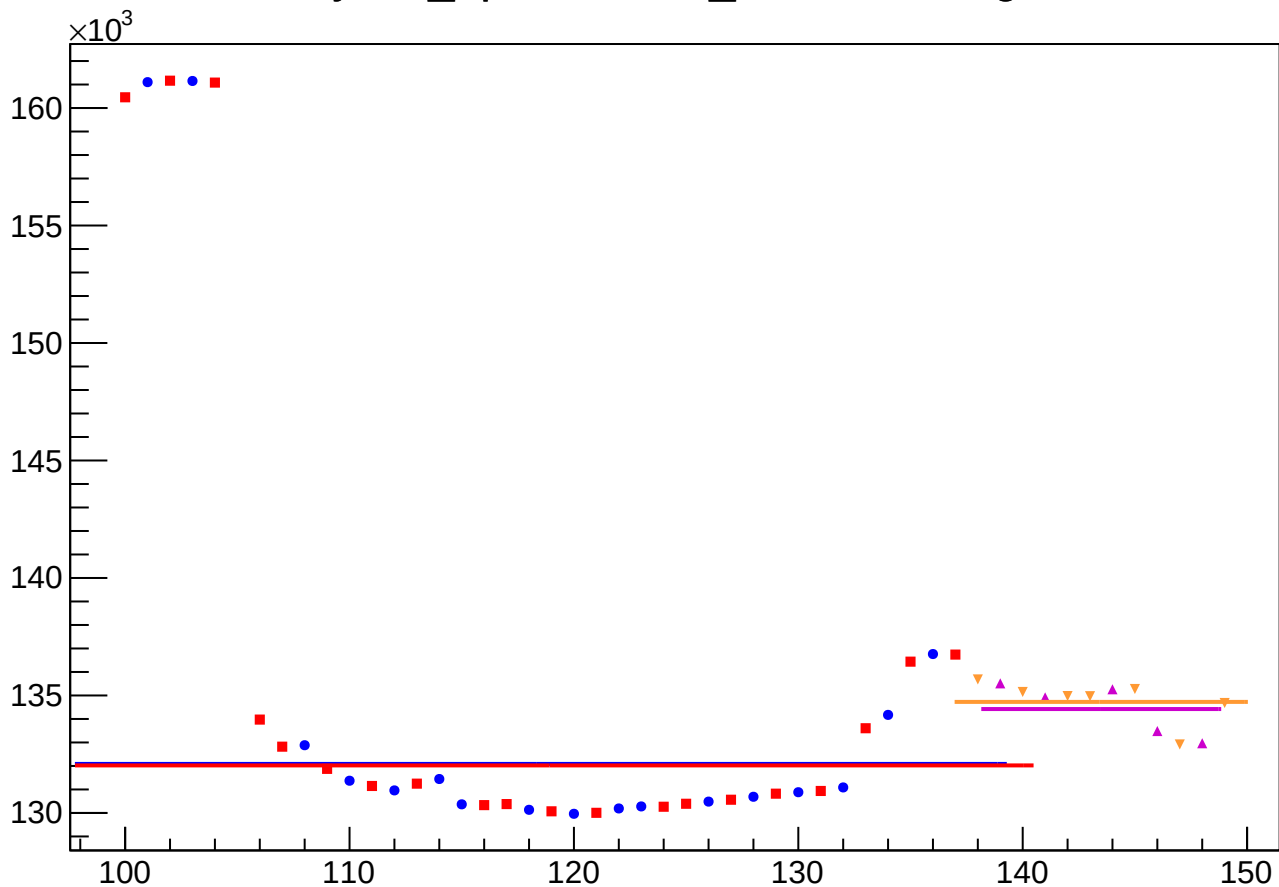
142.679+/-0.031 χ^2/NDF : 1938417.6/23

Right Out: 124.572+/-0.035 χ^2/NDF : 1532105.0/19

136.167+/-0.031 χ^2/NDF : 2019752.0/24

Left In: 170.287+/-0.061 χ^2/NDF :66684.8/4

yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16

Left Out: 134726.478 $\pm$ 0.080 χ^2 /NDF: 118705426.7/6

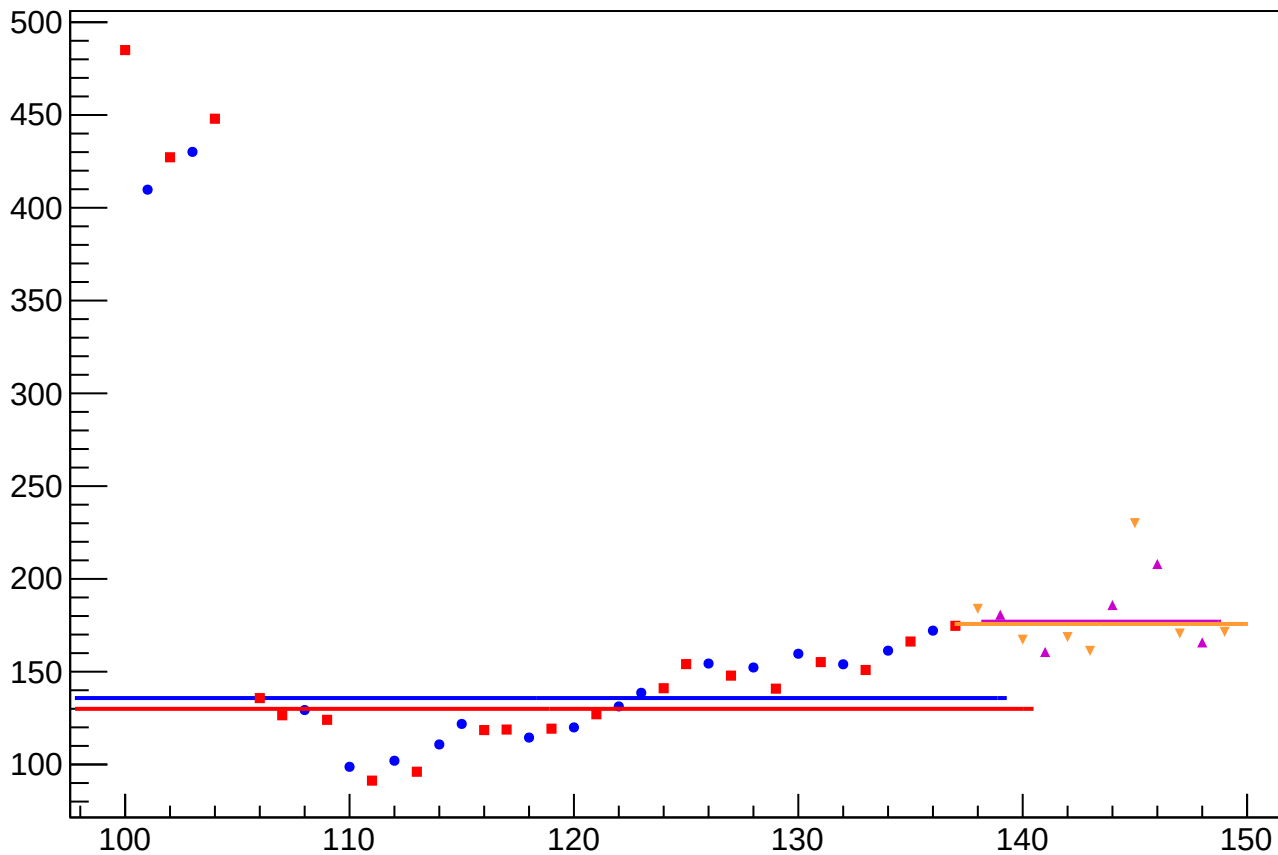
Right Out: 132023.609 $\pm$ 0.052 χ^2 /NDF: 5890492527.2/19

Left In: 134422.294 $\pm$ 0.089 χ^2 /NDF: 127856430.9/4

132969.140 $\pm$ 0.046 χ^2 /NDF: 7580900876.7/23

132634.773 $\pm$ 0.045 χ^2 /NDF: 6554125740.0/24

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 $\pm$ 0.040 χ^2 /NDF: 1441904.9/16

Left Out: 175.724 $\pm$ 0.056 χ^2 /NDF:106662.8/6

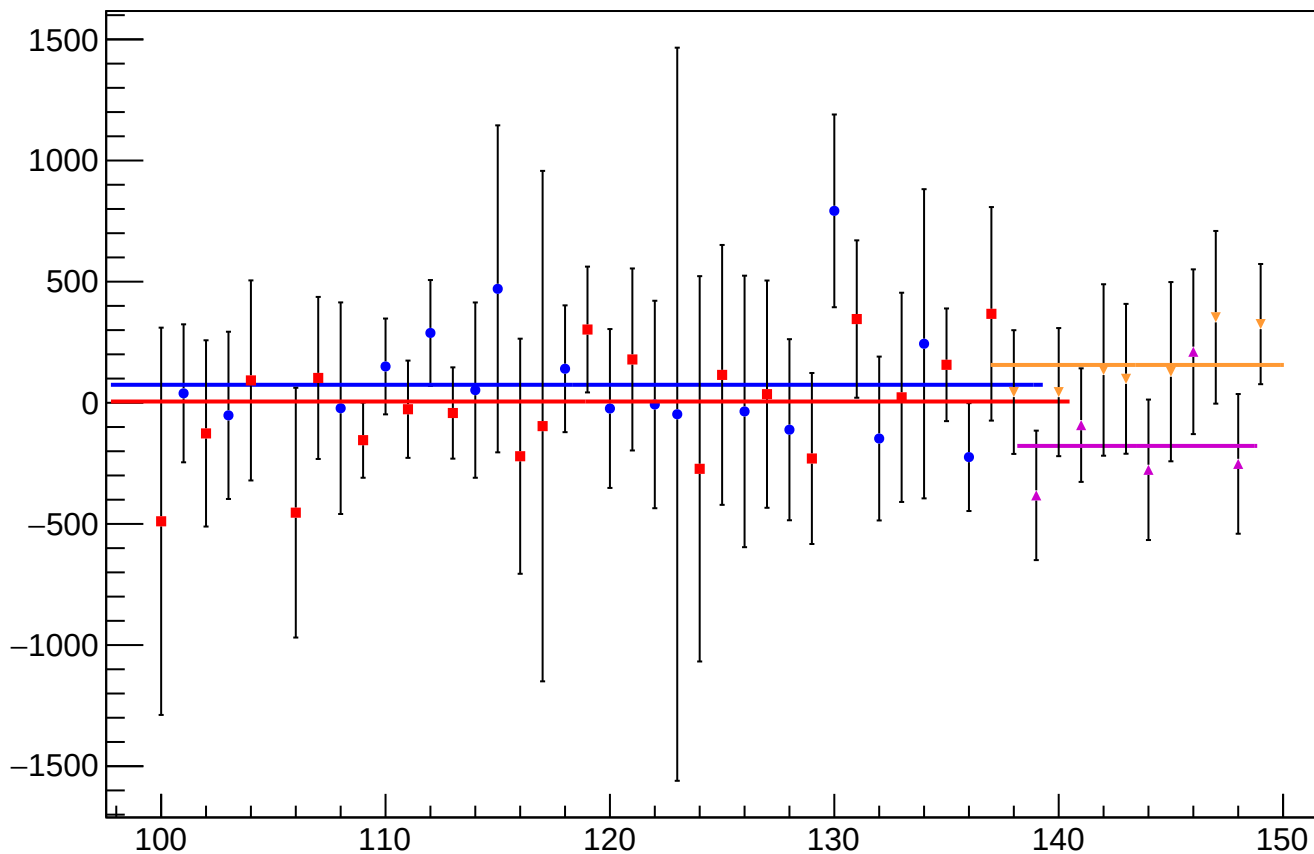
149.143 $\pm$ 0.033 χ^2 /NDF: 1882140.8/23

Right Out: 129.975 $\pm$ 0.037 χ^2 /NDF: 1504768.0/19

141.946 $\pm$ 0.032 χ^2 /NDF: 1979816.3/24

Left In: 176.957 $\pm$ 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: 156.233 ± 112.144 χ^2/NDF : 1.2/6

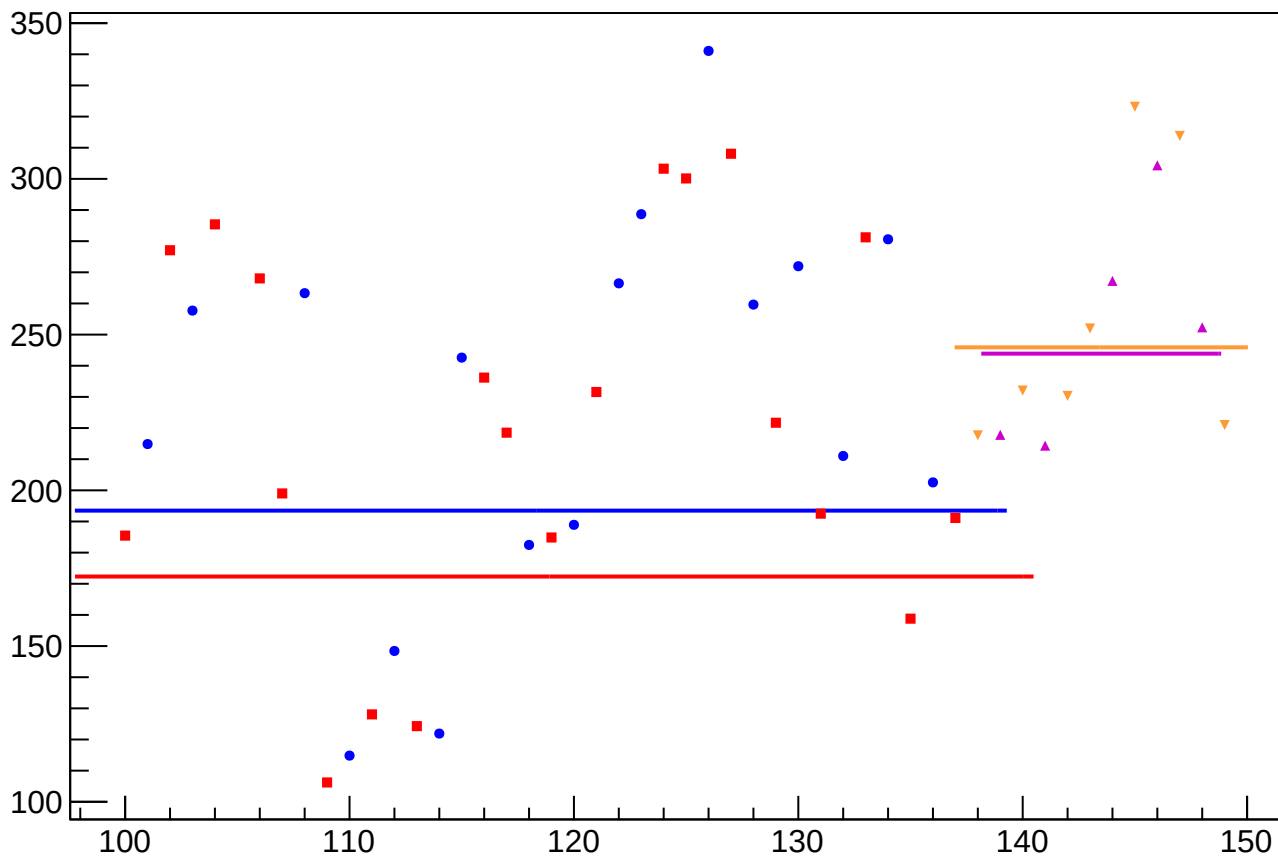
Right Out: 5.290 ± 69.914 χ^2/NDF : 7.1/19

Left In: -177.971 ± 124.234 χ^2/NDF : 2.2/4

101.479 ± 64.594 χ^2/NDF : 9.2/23

-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: 245.915 $\pm$ 0.079 χ^2 /NDF:214693.1/6

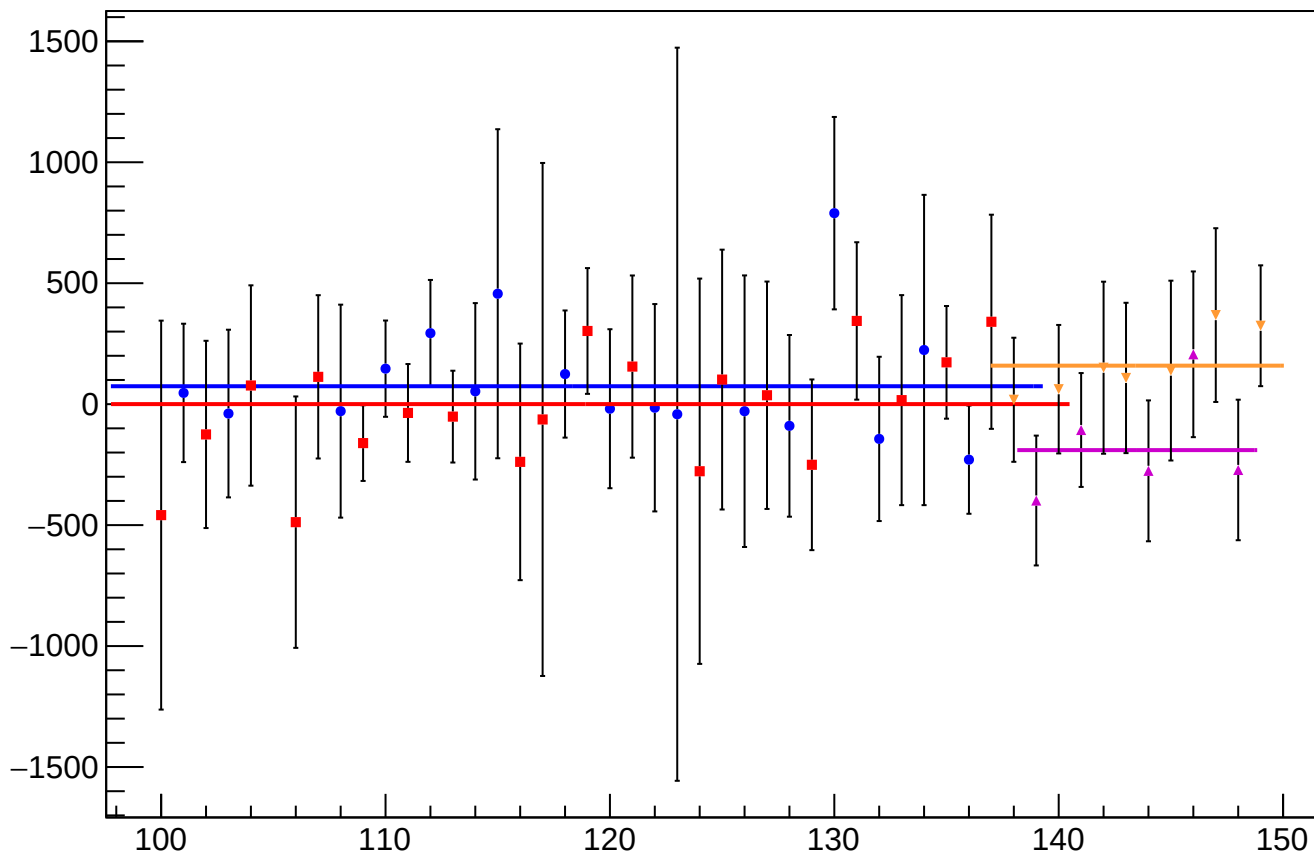
Right Out: 172.327 $\pm$ 0.049 χ^2 /NDF: 1583701.4/19

Left In: 243.887 $\pm$ 0.088 χ^2 /NDF:128760.3/4

210.881 $\pm$ 0.046 χ^2 /NDF: 1523983.3/23

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: 159.194+/-112.742 χ^2/NDF : 1.2/6

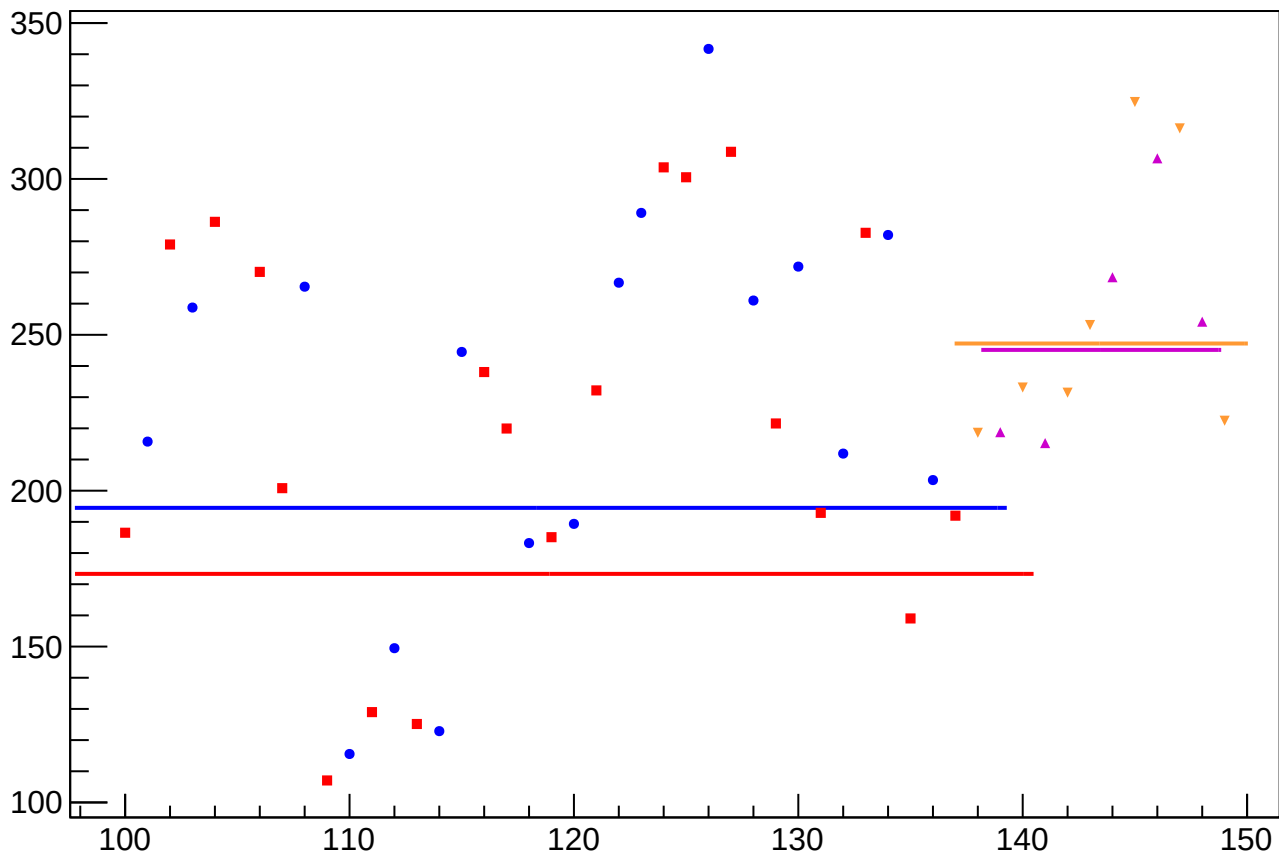
Right Out: 0.223+/-70.282 χ^2/NDF : 7.3/19

Left In: -189.949+/-124.902 χ^2/NDF : 2.2/4

102.313+/-64.919 χ^2/NDF : 9.2/23

-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: 247.210 $\pm$ 0.080 χ^2 /NDF:215649.8/6

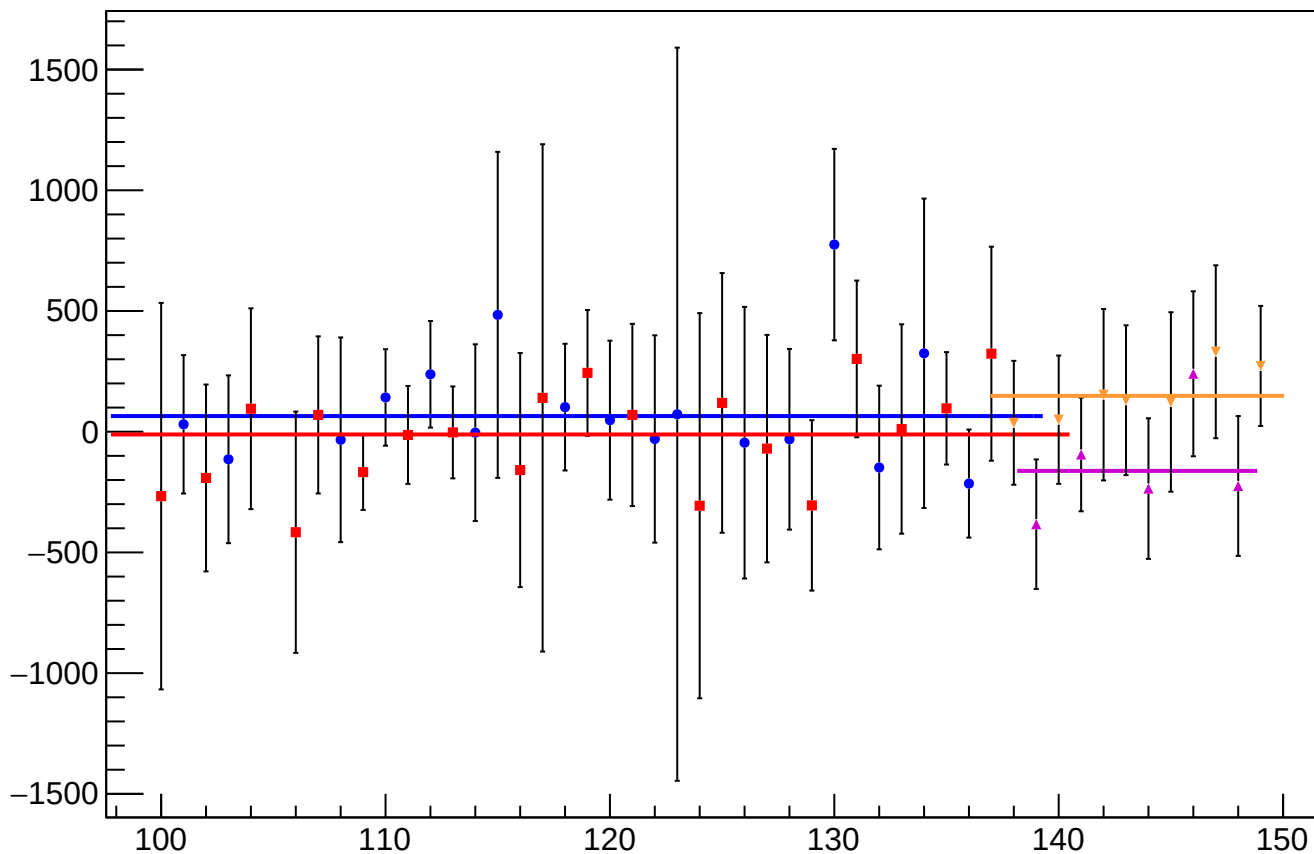
Right Out: 173.317 $\pm$ 0.050 χ^2 /NDF: 1571258.4/19

Left In: 245.160 $\pm$ 0.088 χ^2 /NDF:130725.8/4

211.974 $\pm$ 0.046 χ^2 /NDF: 1516423.5/23

190.594 $\pm$ 0.043 χ^2 /NDF: 2204561.6/24

asym_bcm_an_us_mean vs Slug



Right In: 64.733 ± 79.399 χ^2/NDF : 7.0/16

Left Out: 148.554 ± 112.605 χ^2/NDF : 0.8/6

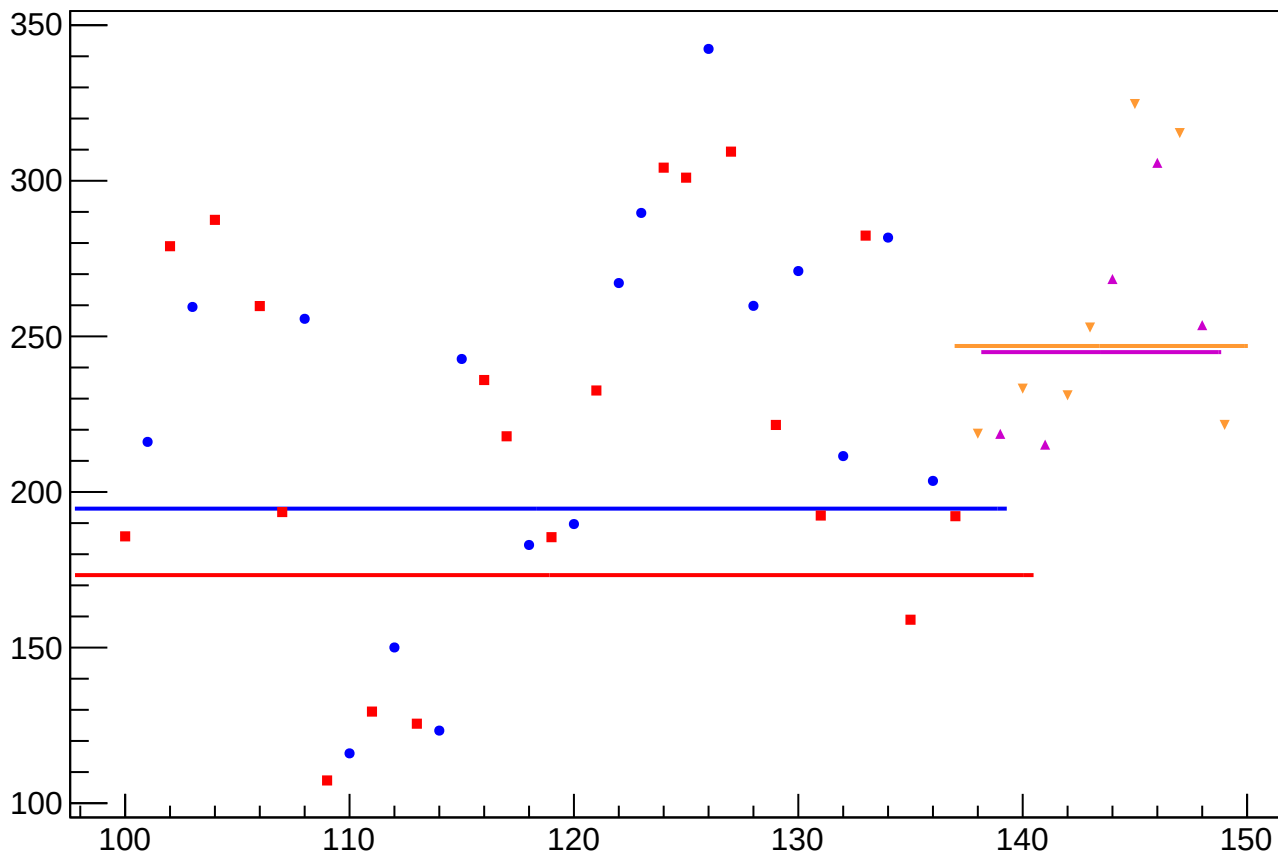
Right Out: -11.414 ± 70.204 χ^2/NDF : 5.8/19

Left In: -162.318 ± 124.775 χ^2/NDF : 2.3/4

92.568 ± 64.890 χ^2/NDF : 8.2/23

-47.699 ± 61.184 χ^2/NDF : 9.2/24

asym_bcm_an_us_rms vs Slug



Right In: 194.652+/-0.056 χ^2/NDF : 986798.9/16

Left Out: 246.915+/-0.080 χ^2/NDF : 215487.5/6

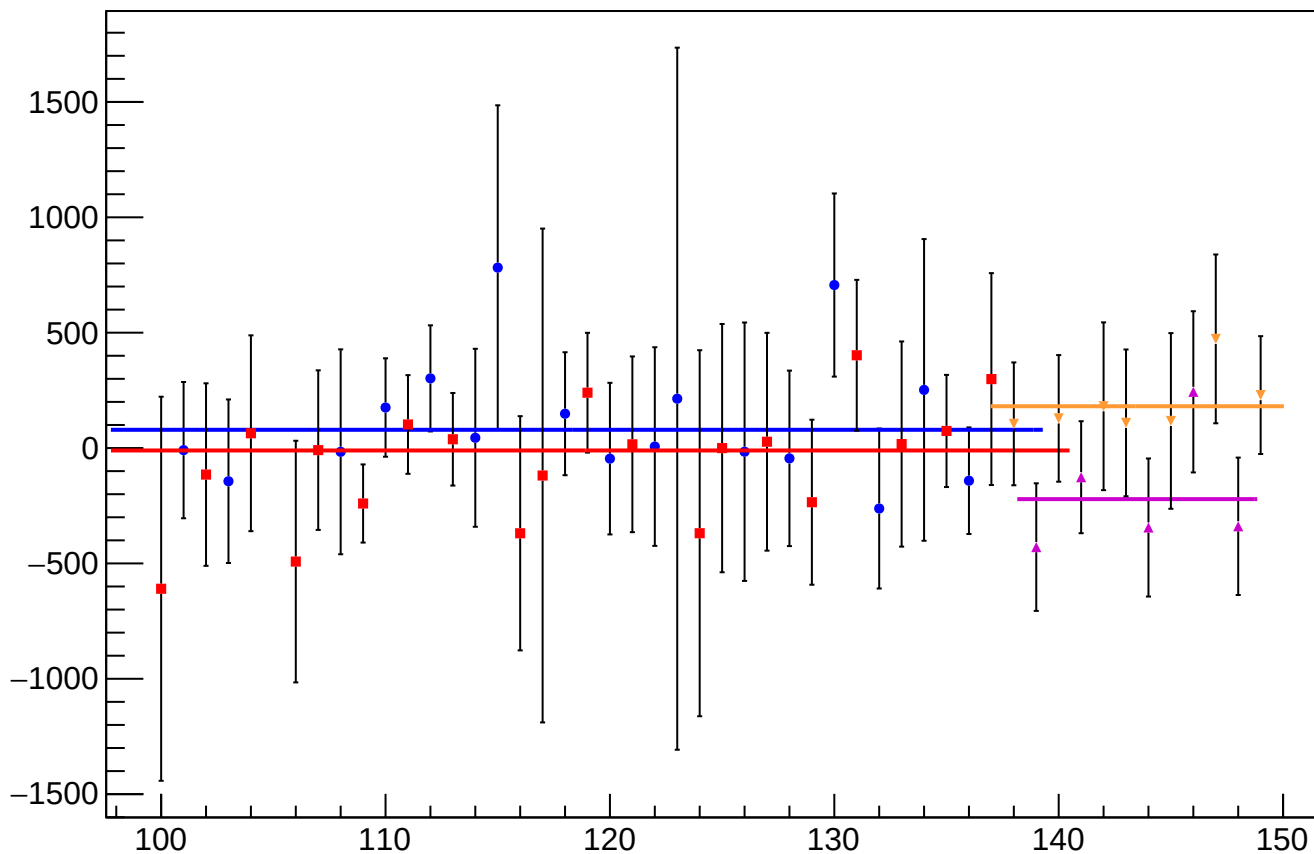
Right Out: 173.289+/-0.050 χ^2/NDF : 1548162.6/19

Left In: 244.945+/-0.088 χ^2/NDF : 129317.0/4

212.007+/-0.046 χ^2/NDF : 1490048.5/23

190.518+/-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: 181.129+/-115.821 χ^2/NDF : 0.9/6

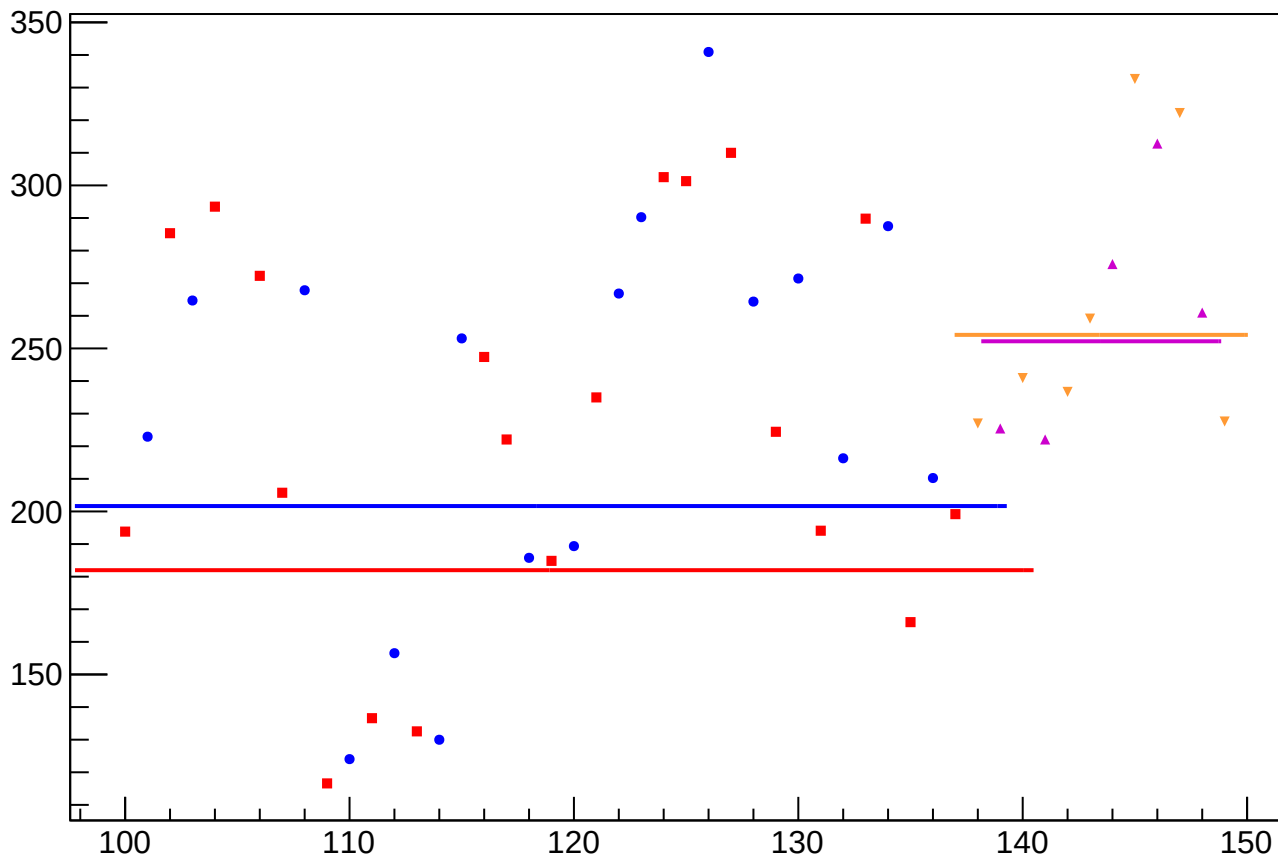
Right Out: -10.491+/-73.139 χ^2/NDF : 7.9/19

Left In: -221.355+/-128.349 χ^2/NDF : 2.8/4

113.116+/-66.857 χ^2/NDF : 8.9/23

-62.179+/-63.545 χ^2/NDF : 12.7/24

asym_bcm_dg_us_rms vs Slug



Right In: 201.654 $\pm$ 0.058 χ^2 /NDF: 883179.7/16

Left Out: 254.157 $\pm$ 0.082 χ^2 /NDF:206461.3/6

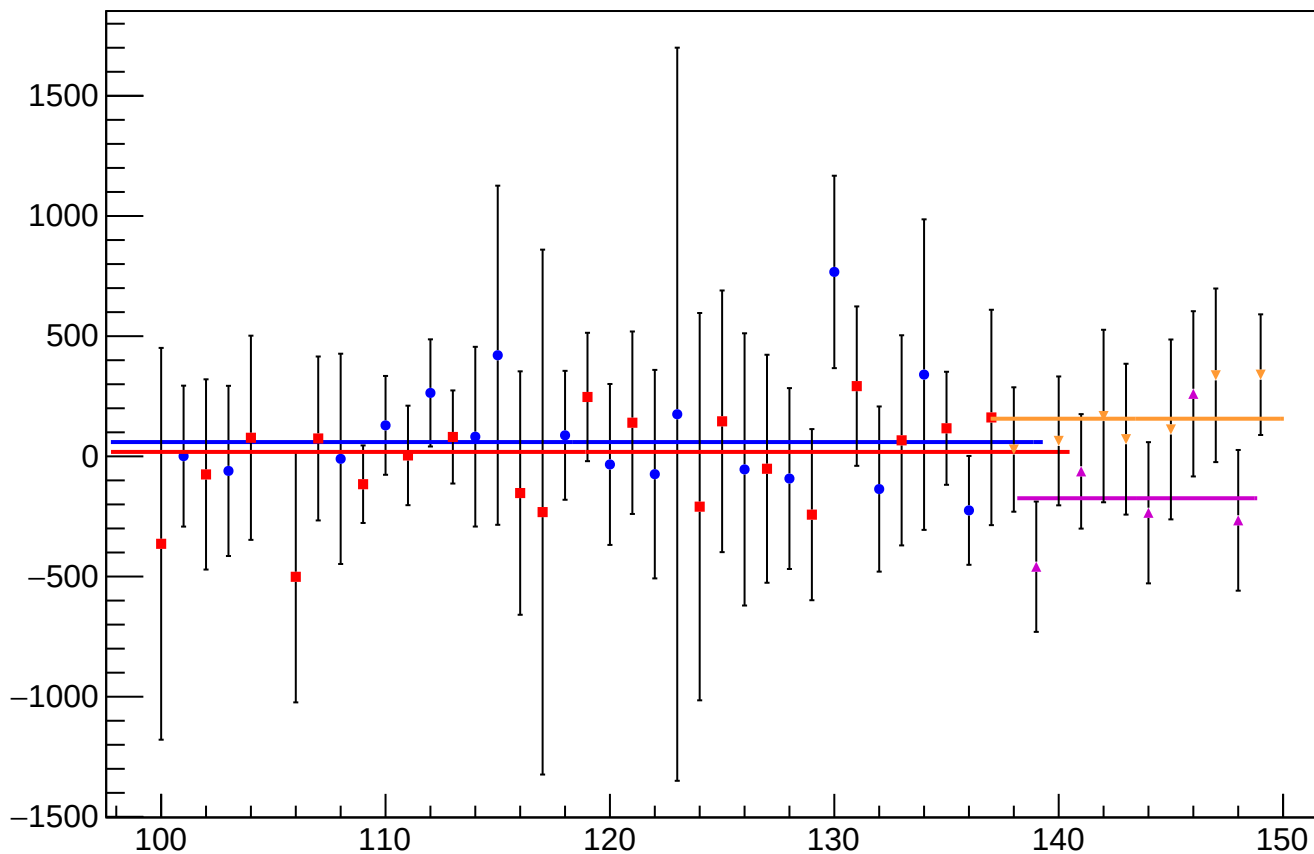
Right Out: 181.986 $\pm$ 0.052 χ^2 /NDF: 1380269.0/19

Left In: 252.190 $\pm$ 0.091 χ^2 /NDF:124053.0/4

219.148 $\pm$ 0.047 χ^2 /NDF: 1363676.3/23

199.194 $\pm$ 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: 156.631 ± 113.634 χ^2/NDF : 1.2/6

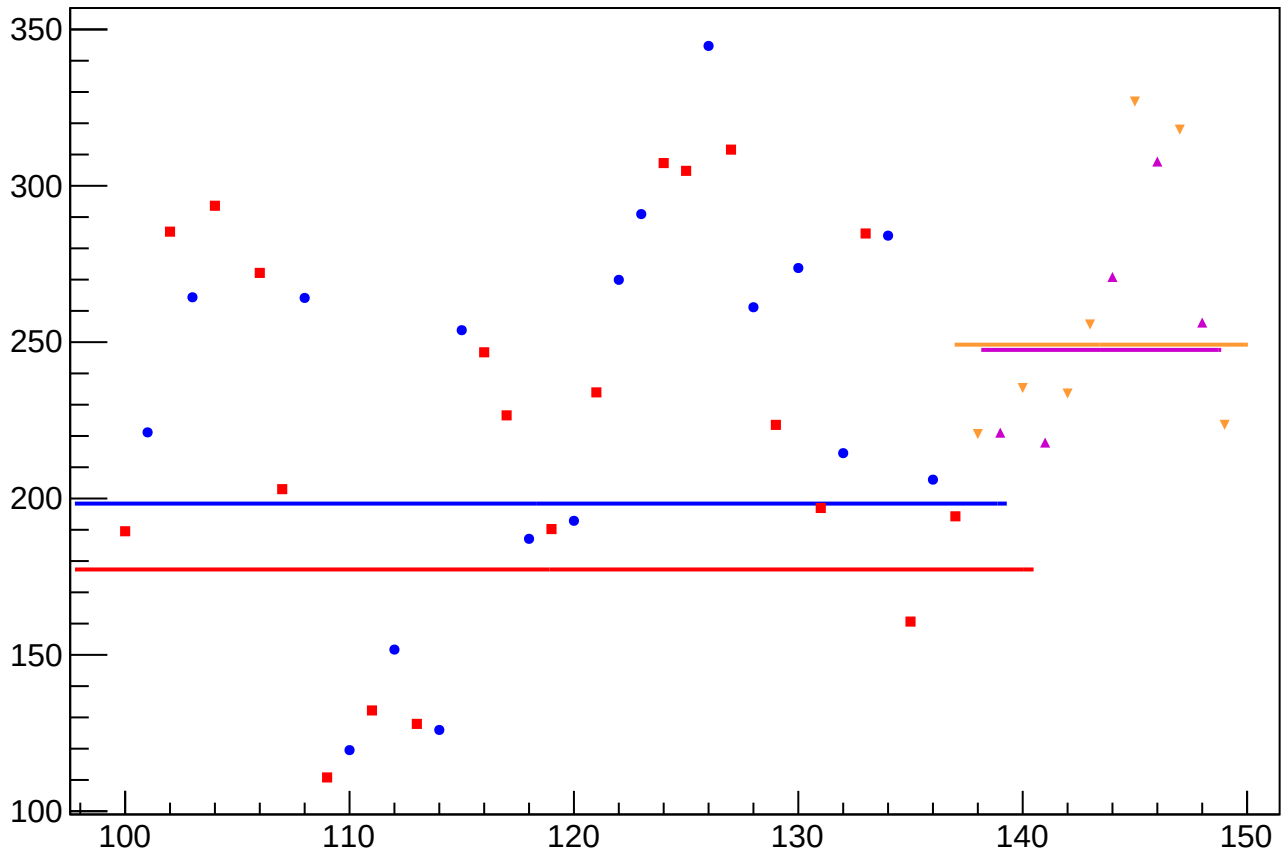
Right Out: 18.457 ± 71.711 χ^2/NDF : 4.8/19

Left In: -174.245 ± 126.041 χ^2/NDF : 3.1/4

92.119 ± 65.855 χ^2/NDF : 8.7/23

-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: 249.200+/-0.080 χ^2/NDF : 214103.8/6

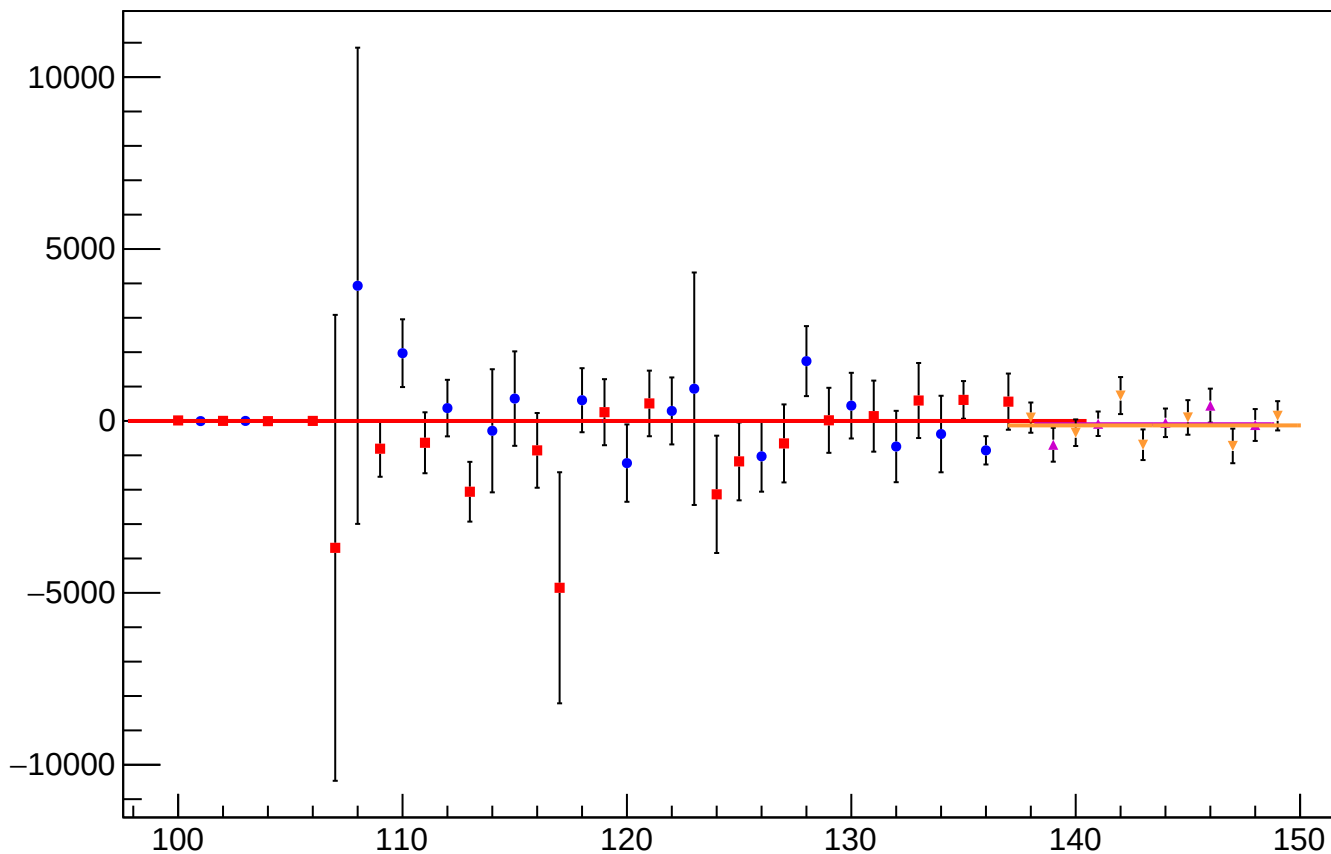
Right Out: 177.309+/-0.051 χ^2/NDF : 1528855.2/19

Left In: 247.526+/-0.089 χ^2/NDF : 125816.3/4

215.447+/-0.047 χ^2/NDF : 1443467.8/23

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: -129.365 ± 172.082 χ^2/NDF : 6.8/6

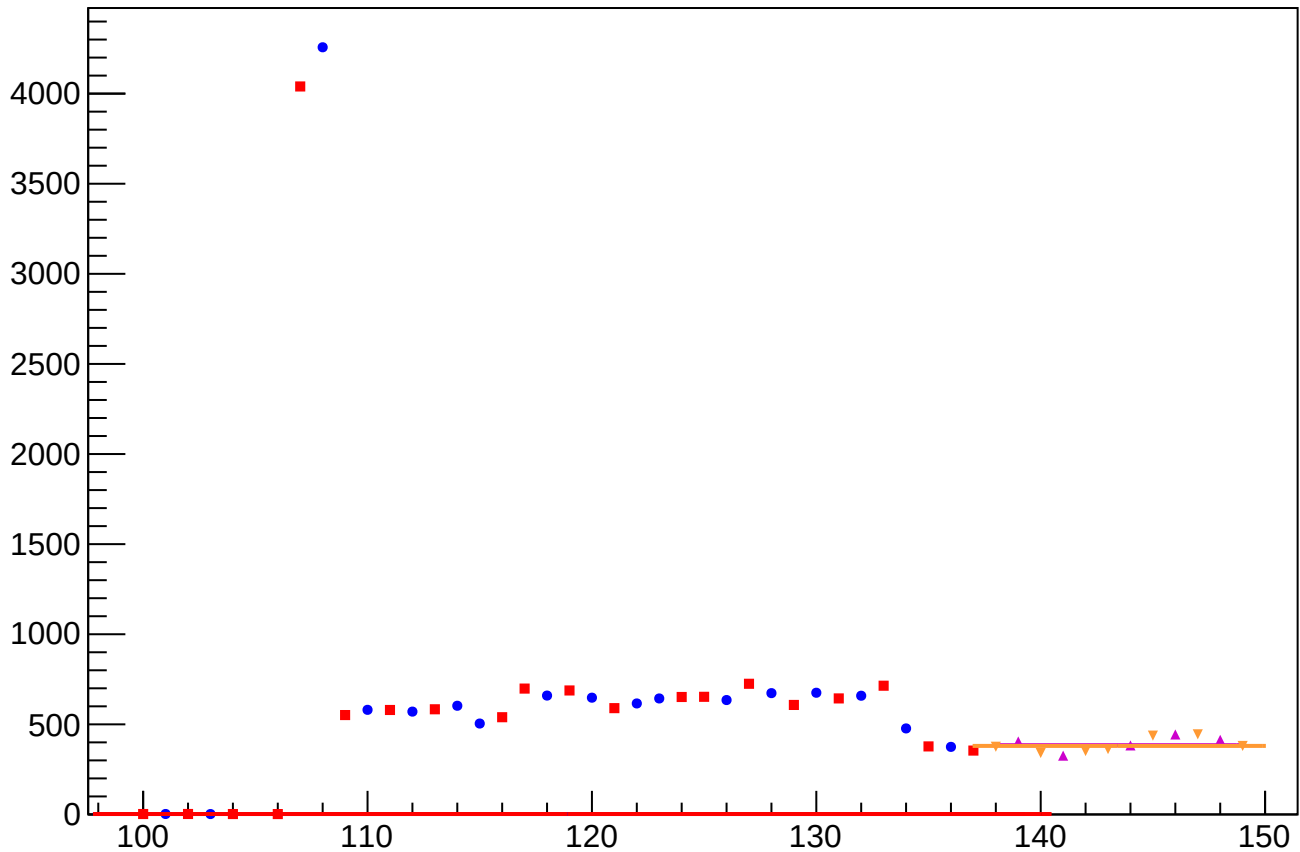
Right Out: -0.728 ± 2.111 χ^2/NDF : 21.4/19

Left In: -95.289 ± 194.074 χ^2/NDF : 2.7/4

-1.551 ± 2.251 χ^2/NDF : 24.3/23

-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: 380.427+/-0.122 χ^2/NDF : 88220.7/6

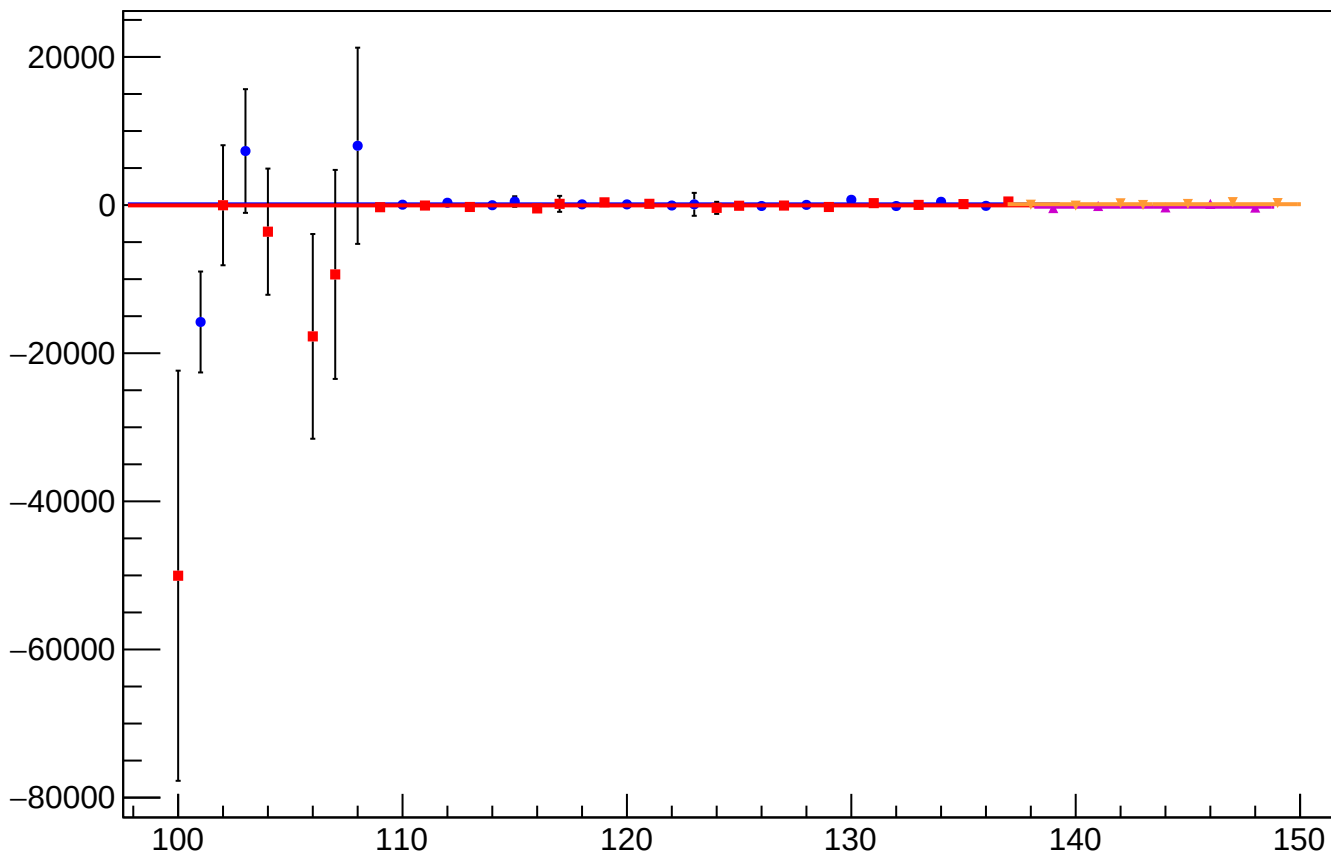
2.521+/-0.002 χ^2/NDF : 20583261.9/23

Right Out: 2.437+/-0.001 χ^2/NDF : 11233207.9/19

2.482+/-0.001 χ^2/NDF : 19074113.1/24

Left In: 384.421+/-0.137 χ^2/NDF : 93899.3/4

asym_cav4cQ_mean vs Slug



Right In: 98.643 ± 90.860 χ^2/NDF : 11.9/16

Left Out: 120.799 ± 119.588 χ^2/NDF : 1.6/6

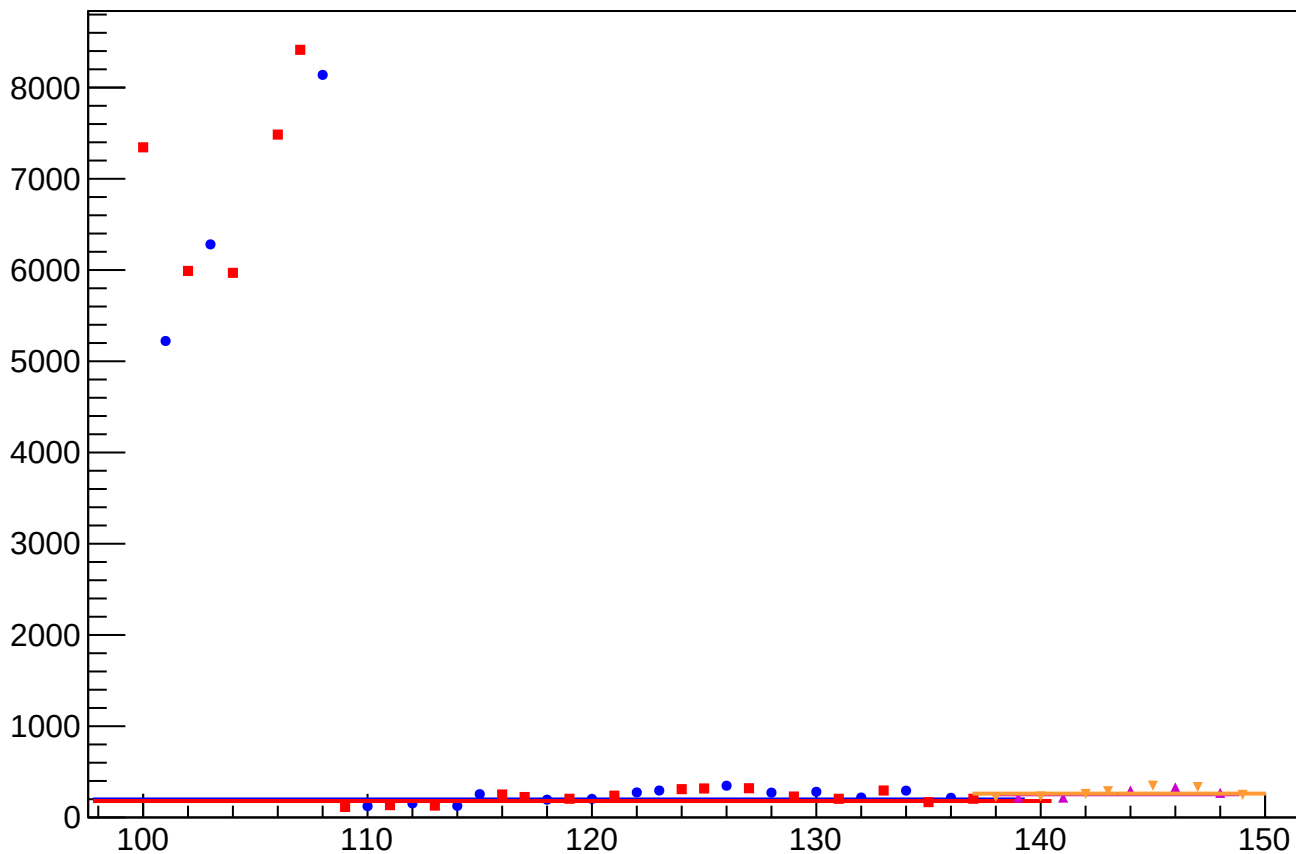
Right Out: -41.024 ± 84.237 χ^2/NDF : 13.9/19

Left In: -221.291 ± 130.050 χ^2/NDF : 2.0/4

106.752 ± 72.347 χ^2/NDF : 13.5/23

-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: 261.520+/-0.085 χ^2/NDF : 260112.4/6

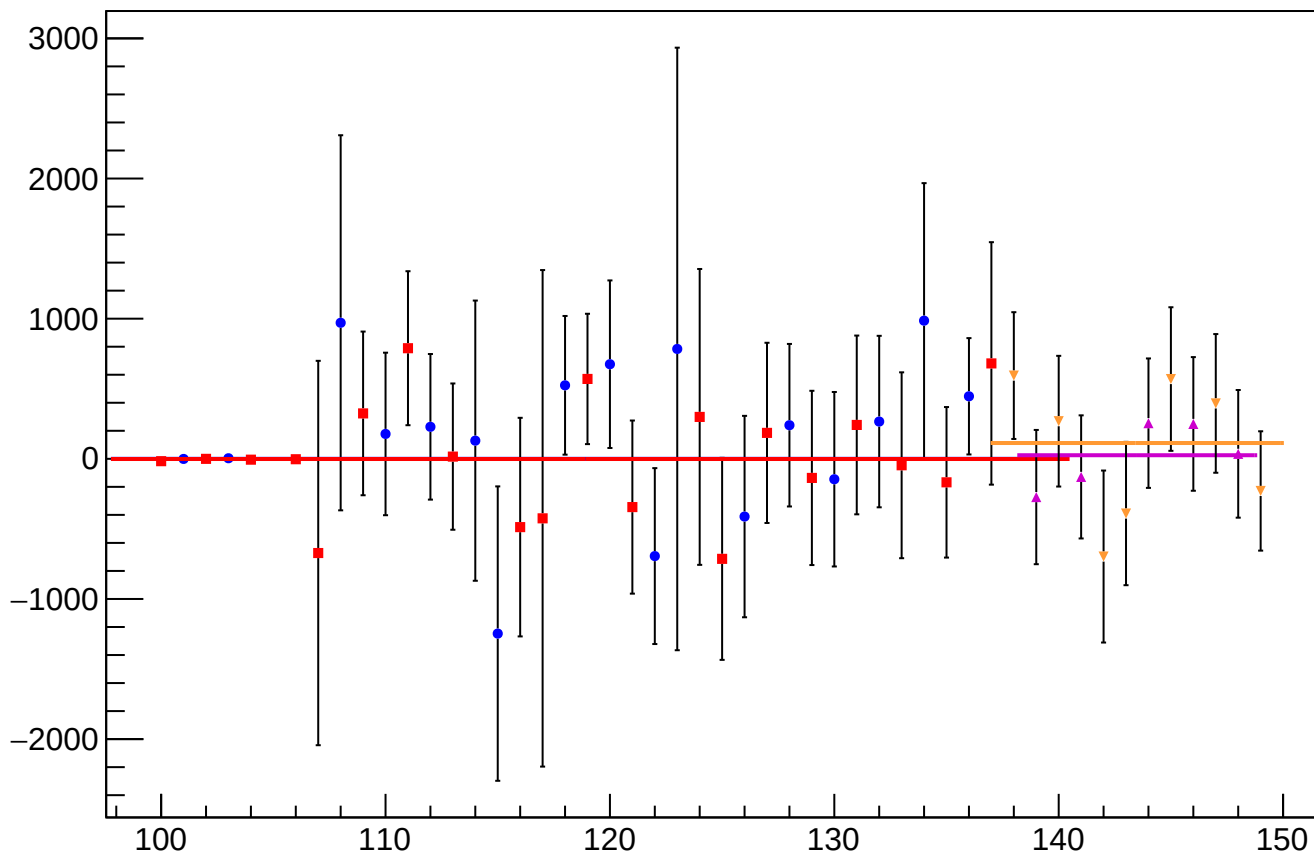
Right Out: 180.217+/-0.060 χ^2/NDF : 4324457.3/19

Left In: 254.057+/-0.092 χ^2/NDF : 205243.4/4

220.668+/-0.051 χ^2/NDF : 4321838.6/23

202.040+/-0.050 χ^2/NDF : 4983886.7/24

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 $\chi^2/\text{NDF}: 9.7/16$

Left Out: 112.784 ± 184.493 $\chi^2/\text{NDF}: 5.7/6$

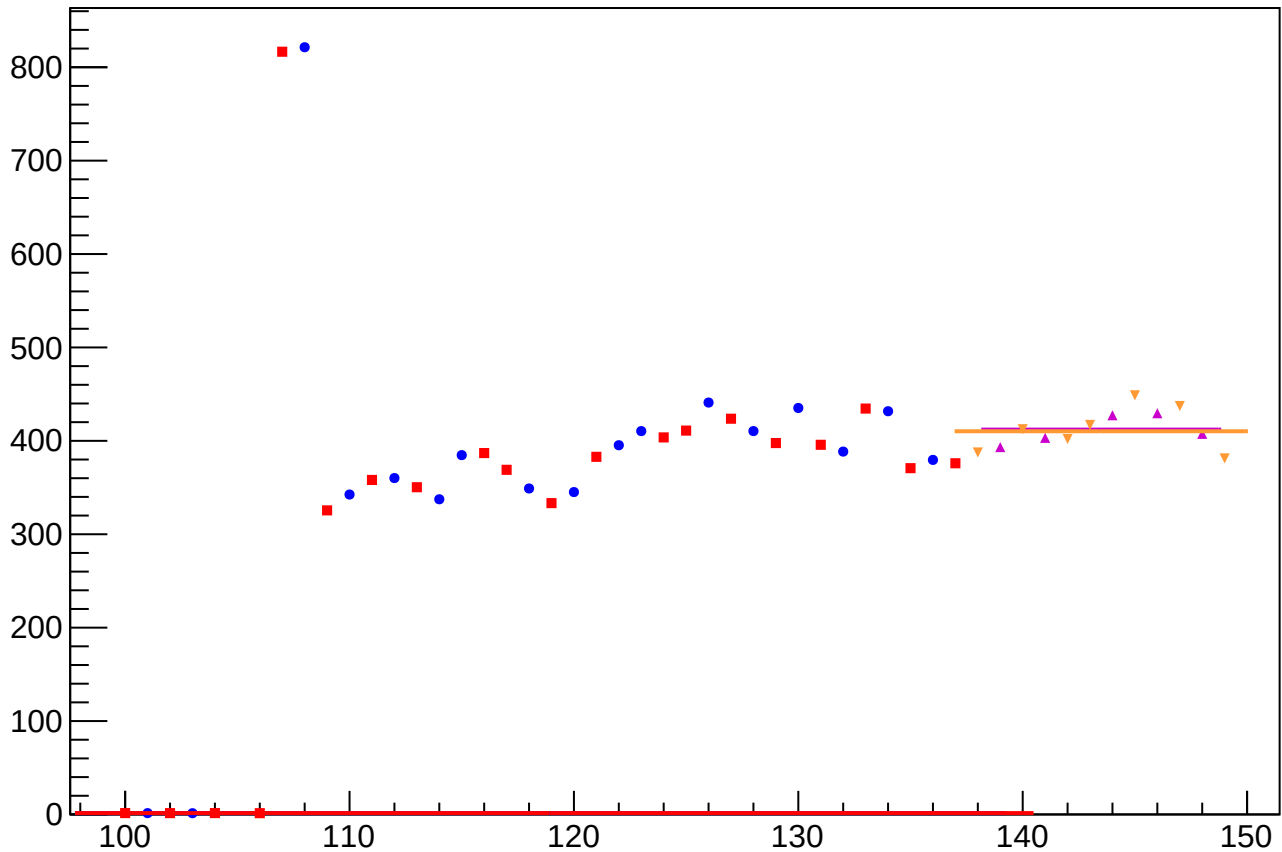
Right Out: -1.324 ± 1.623 $\chi^2/\text{NDF}: 9.7/19$

Left In: 25.630 ± 206.508 $\chi^2/\text{NDF}: 1.0/4$

-0.128 ± 1.737 $\chi^2/\text{NDF}: 15.8/23$

-1.322 ± 1.623 $\chi^2/\text{NDF}: 10.7/24$

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 410.262+/-0.130 χ^2/NDF :32361.3/6

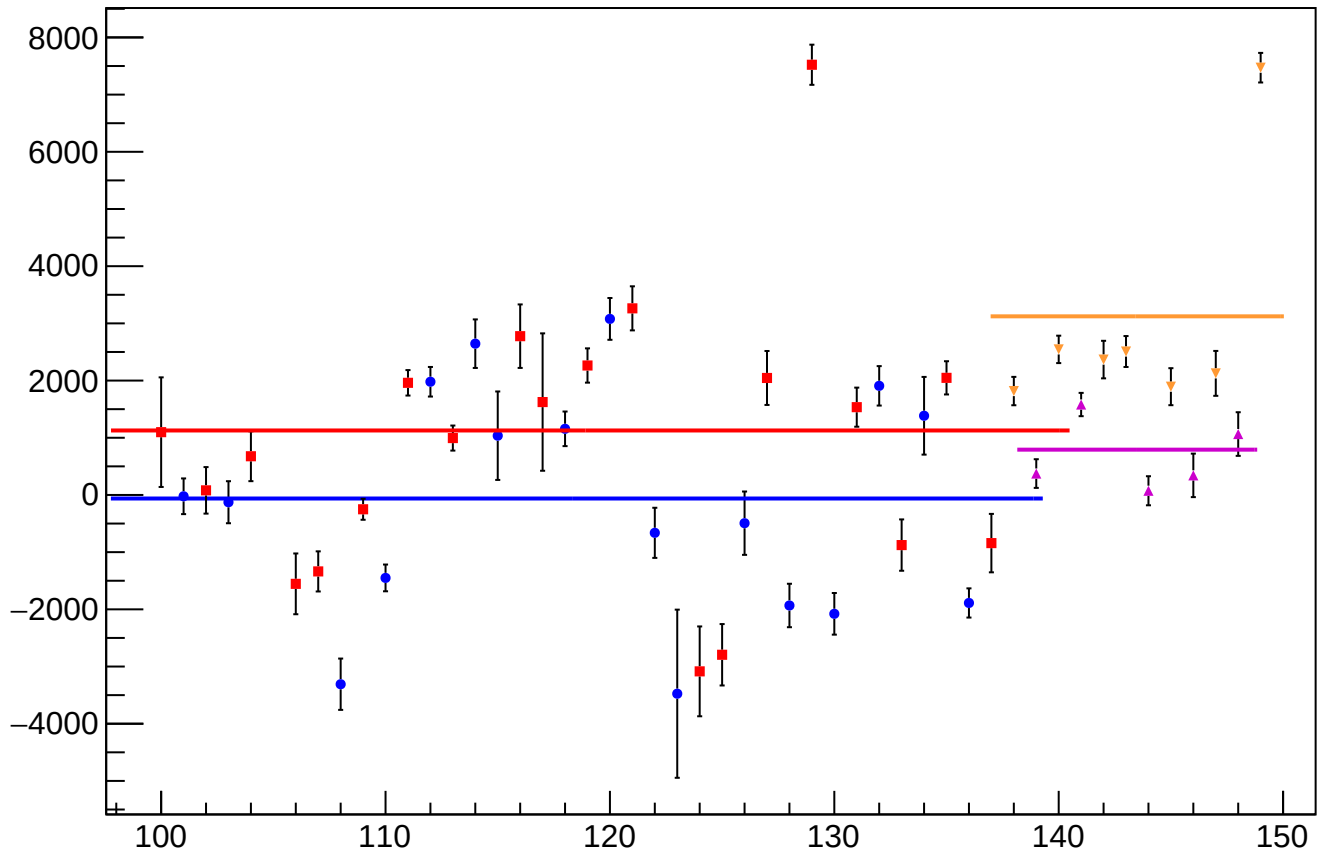
Right Out: 1.451+/-0.001 χ^2/NDF : 10966832.6/19

Left In: 412.038+/-0.146 χ^2/NDF :8978.9/4

1.489+/-0.001 χ^2/NDF : 20809457.7/23

1.477+/-0.001 χ^2/NDF : 18881509.4/24

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 $\chi^2/\text{NDF}: 433.9/16$

Left Out: 3123.159 ± 106.846 $\chi^2/\text{NDF}: 347.3/6$

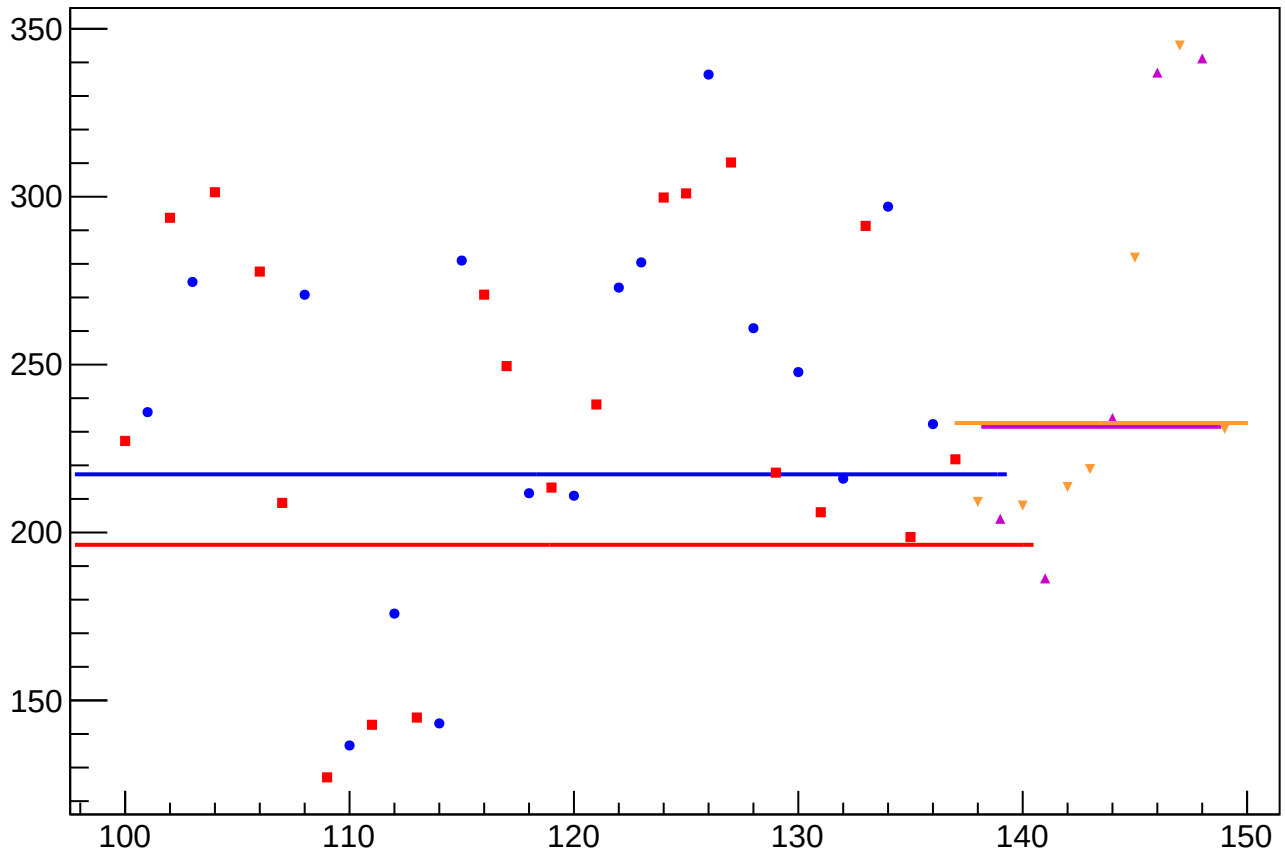
Right Out: 1127.552 ± 78.203 $\chi^2/\text{NDF}: 671.4/19$

Left In: 792.071 ± 120.120 $\chi^2/\text{NDF}: 27.7/4$

1215.188 ± 67.661 $\chi^2/\text{NDF}: 1313.6/23$

1027.684 ± 65.538 $\chi^2/\text{NDF}: 704.6/24$

asym_bcm0l02_rms vs Slug



Right In: 217.330 ± 0.062 χ^2/NDF : 652722.5/16

Left Out: 232.598 ± 0.076 χ^2/NDF : 261291.2/6

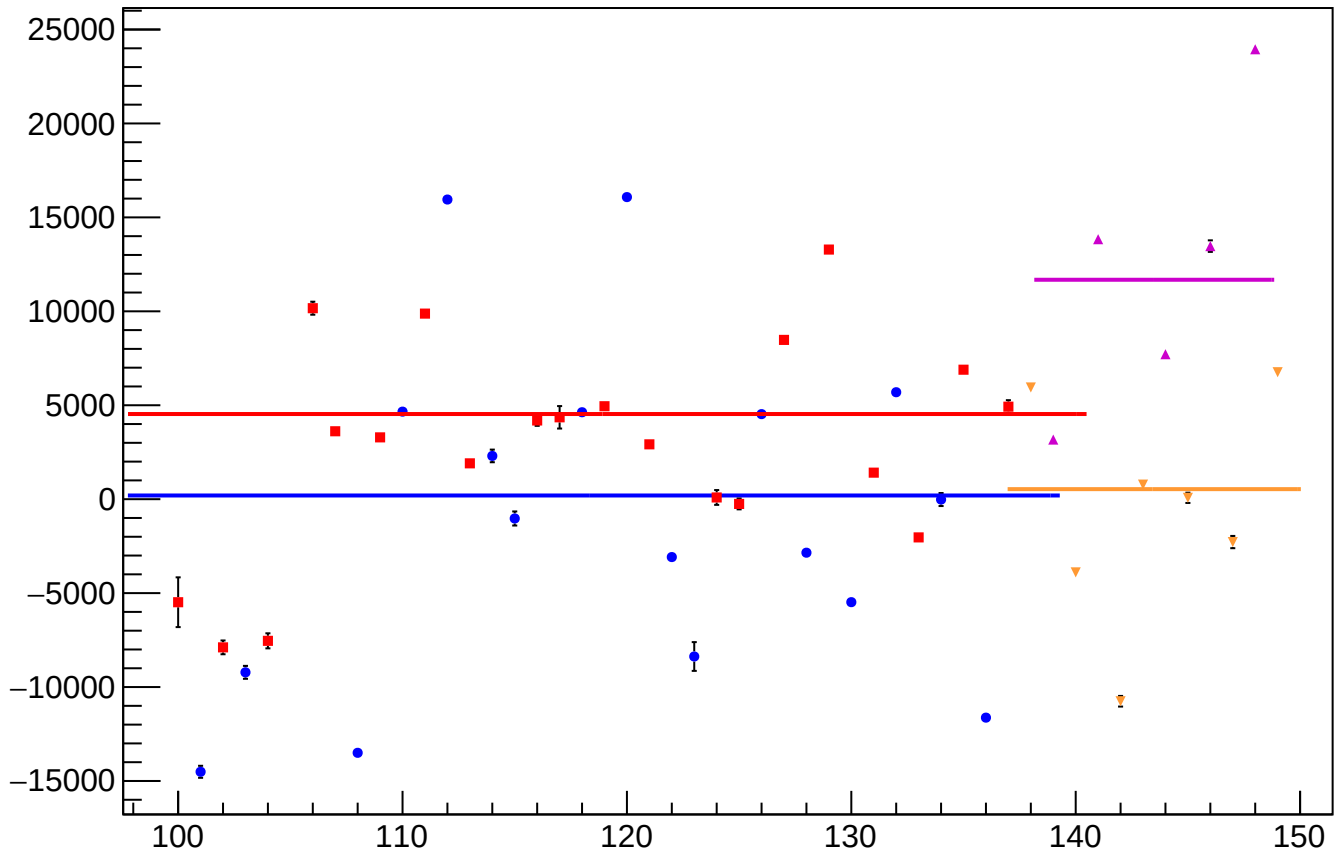
Right Out: 196.332 ± 0.055 χ^2/NDF : 1194678.0/19

Left In: 231.483 ± 0.085 χ^2/NDF : 441792.5/4

223.453 ± 0.048 χ^2/NDF : 938477.1/23

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: 534.777+/-91.505 χ^2/NDF : 3593.6/6

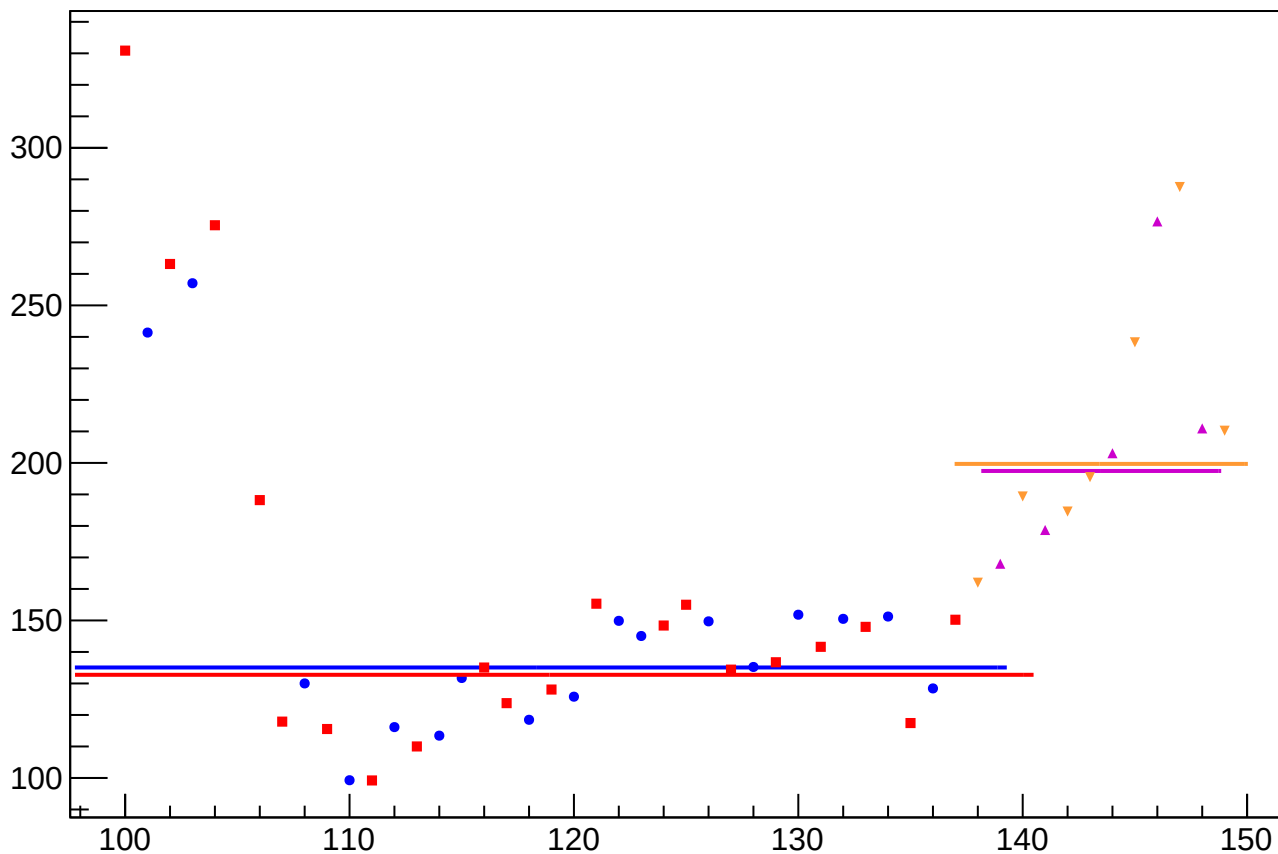
Right Out: 4532.856+/-52.261 χ^2/NDF : 7477.3/19

Left In: 11679.907+/-101.222 χ^2/NDF : 4704.0/4

286.167+/-47.013 χ^2/NDF : 34261.9/23

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: 199.686 $\pm$ 0.065 χ^2 /NDF: 278513.3/6

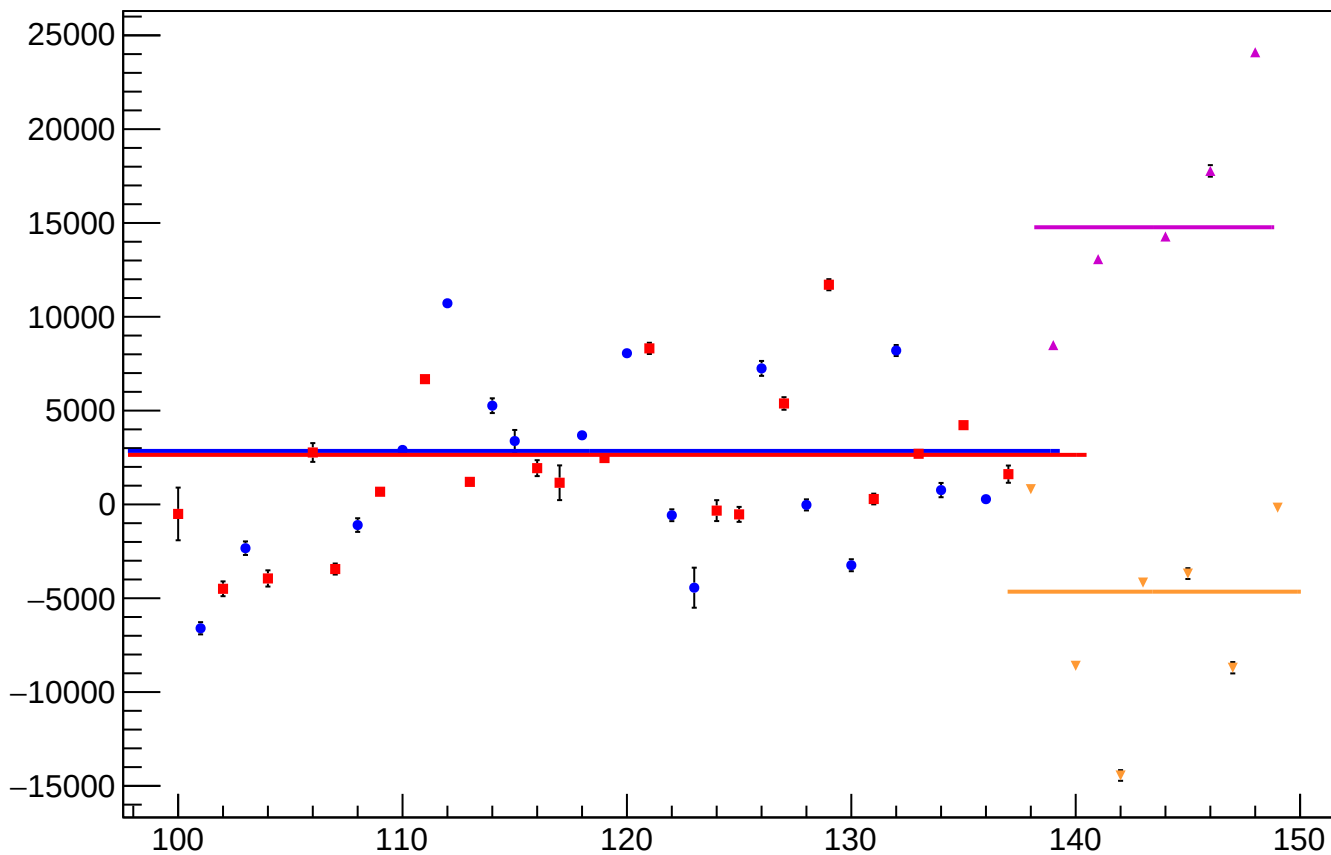
Right Out: 132.747 $\pm$ 0.037 χ^2 /NDF: 831647.2/19

Left In: 197.445 $\pm$ 0.072 χ^2 /NDF: 199494.8/4

152.128 $\pm$ 0.033 χ^2 /NDF: 1671221.3/23

146.364 $\pm$ 0.033 χ^2 /NDF: 1676245.1/24

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437 $\pm$ 70.753 χ^2 /NDF: 4178.1/16

Left Out: -4649.754 $\pm$ 91.699 χ^2 /NDF:2844.6/6

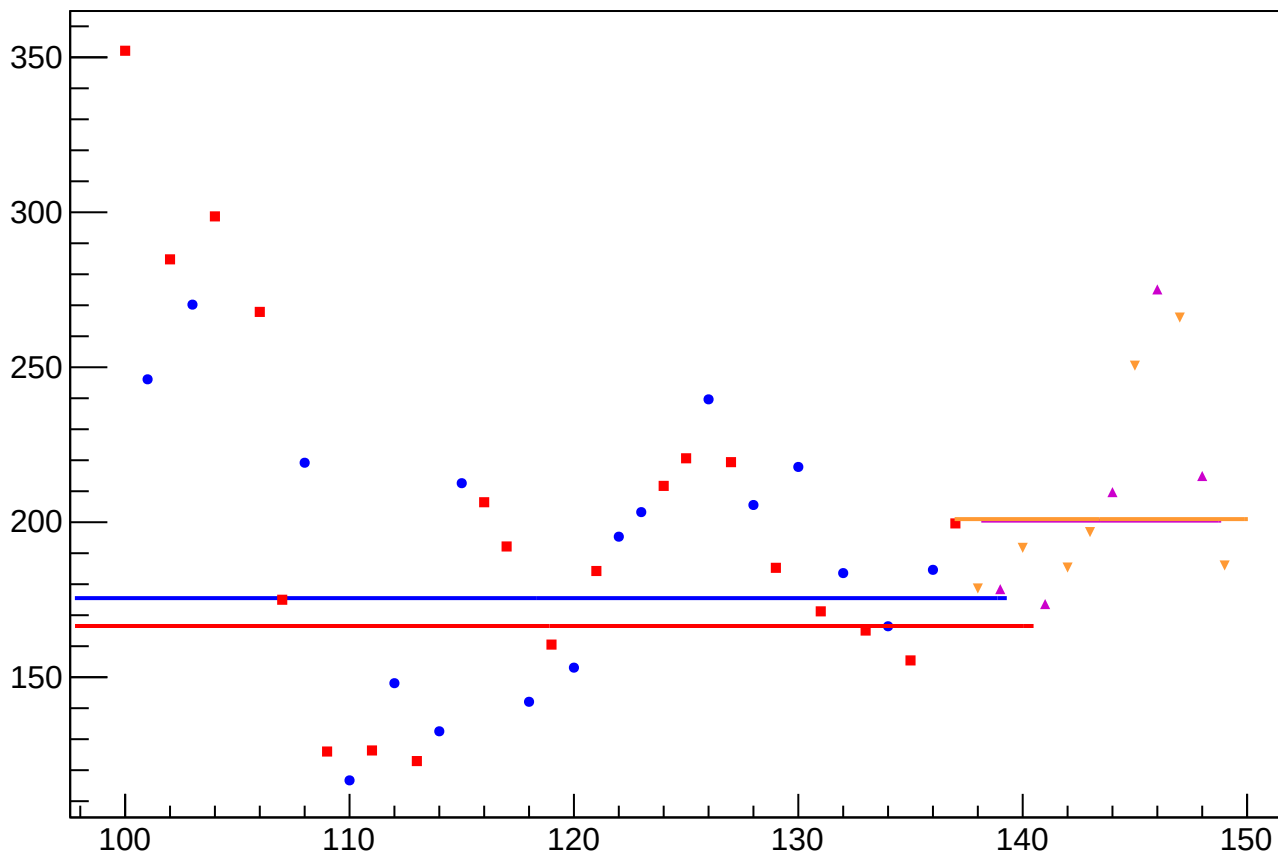
Right Out: 2641.642 $\pm$ 65.566 χ^2 /NDF: 3178.3/19

Left In: 14771.665 $\pm$ 102.383 χ^2 /NDF:2463.3/4

52.174 $\pm$ 56.017 χ^2 /NDF: 11217.3/23

6169.473 $\pm$ 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: 201.008+/-0.065 χ^2/NDF : 195118.2/6

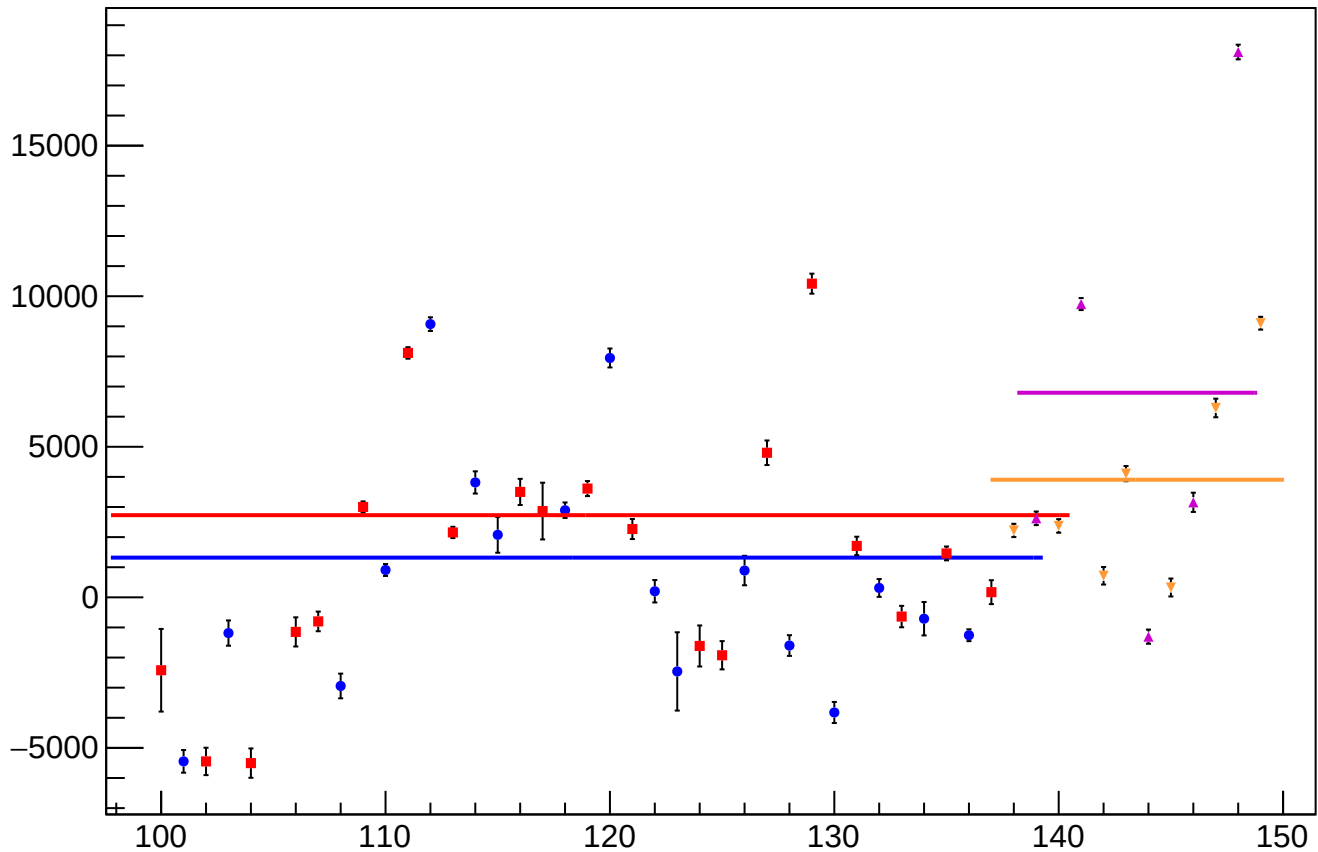
Right Out: 166.522+/-0.046 χ^2/NDF : 931079.9/19

Left In: 200.520+/-0.072 χ^2/NDF : 189093.7/4

185.028+/-0.040 χ^2/NDF : 981661.9/23

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: 3905.031 ± 94.709 χ^2/NDF : 1023.6/6

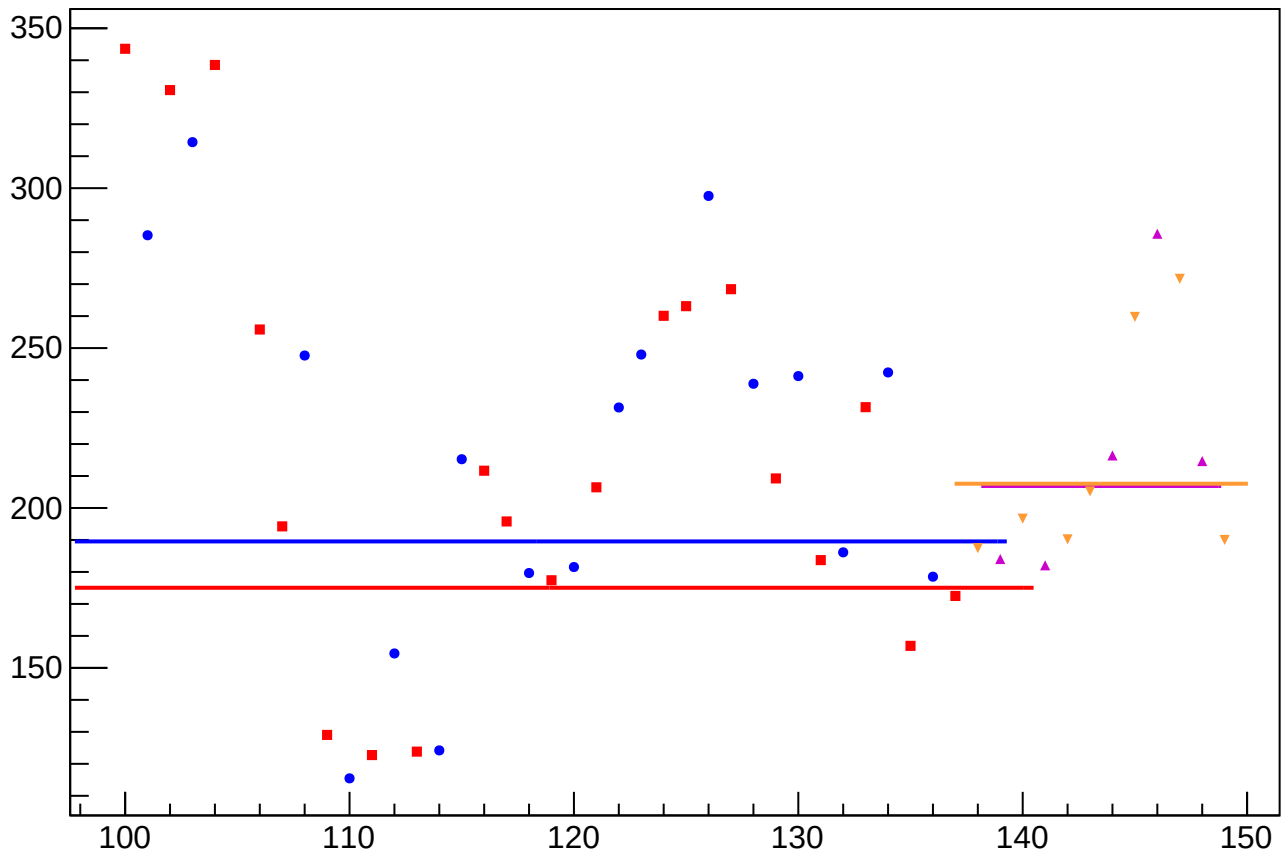
Right Out: 2728.550 ± 69.837 χ^2/NDF : 2495.9/19

Left In: 6794.275 ± 105.606 χ^2/NDF : 4032.2/4

2350.463 ± 59.814 χ^2/NDF : 4138.8/23

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: 207.587 ± 0.067 χ^2/NDF : 189657.2/6

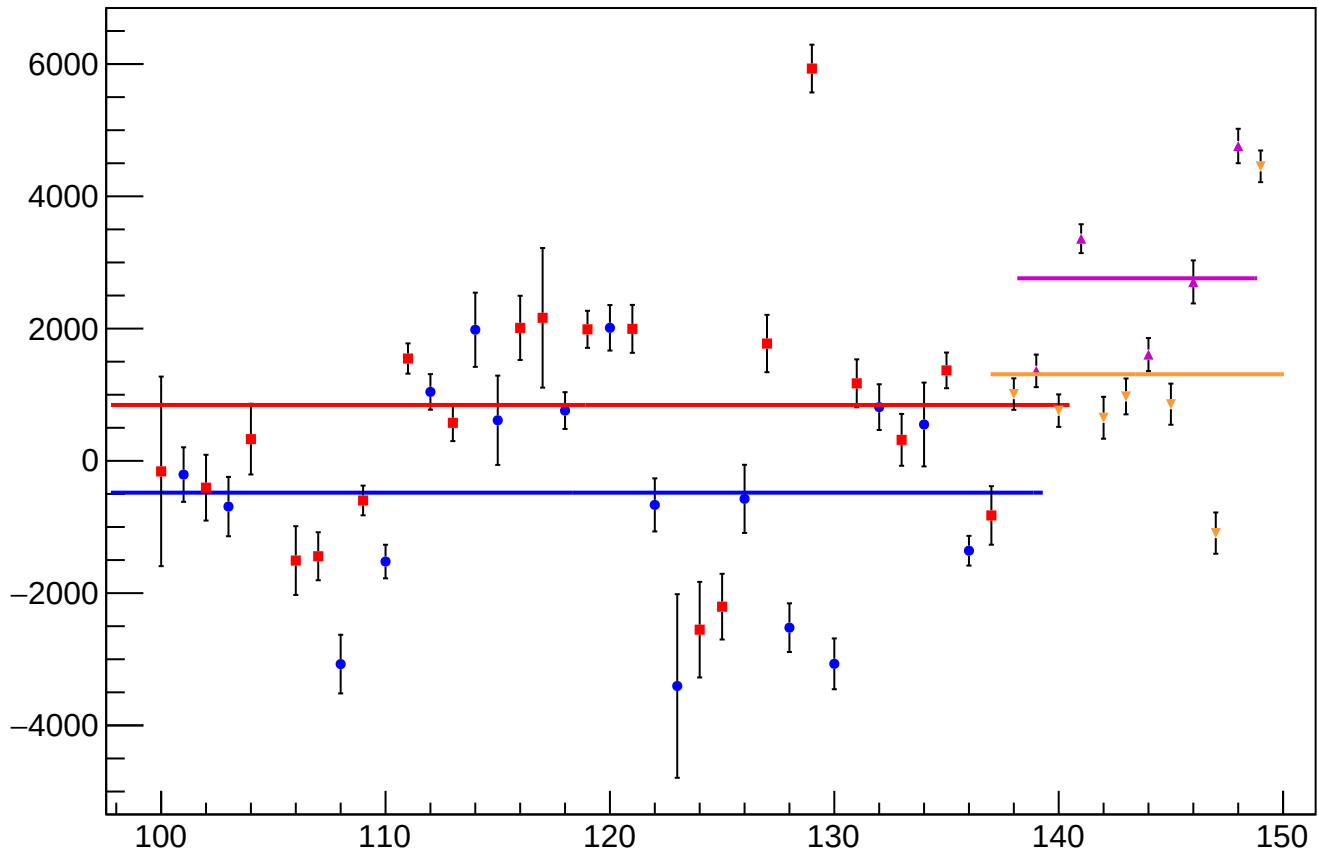
Right Out: 175.058 ± 0.049 χ^2/NDF : 1298079.7/19

Left In: 206.884 ± 0.075 χ^2/NDF : 178815.1/4

196.741 ± 0.042 χ^2/NDF : 1214035.9/23

184.741 ± 0.041 χ^2/NDF : 1603270.8/24

asym_bpm0i07WS_mean vs Slug



Right In: -480.578+/-88.640 χ^2/NDF : 290.7/16

Left Out: 1310.206+/-102.150 χ^2/NDF : 246.4/6

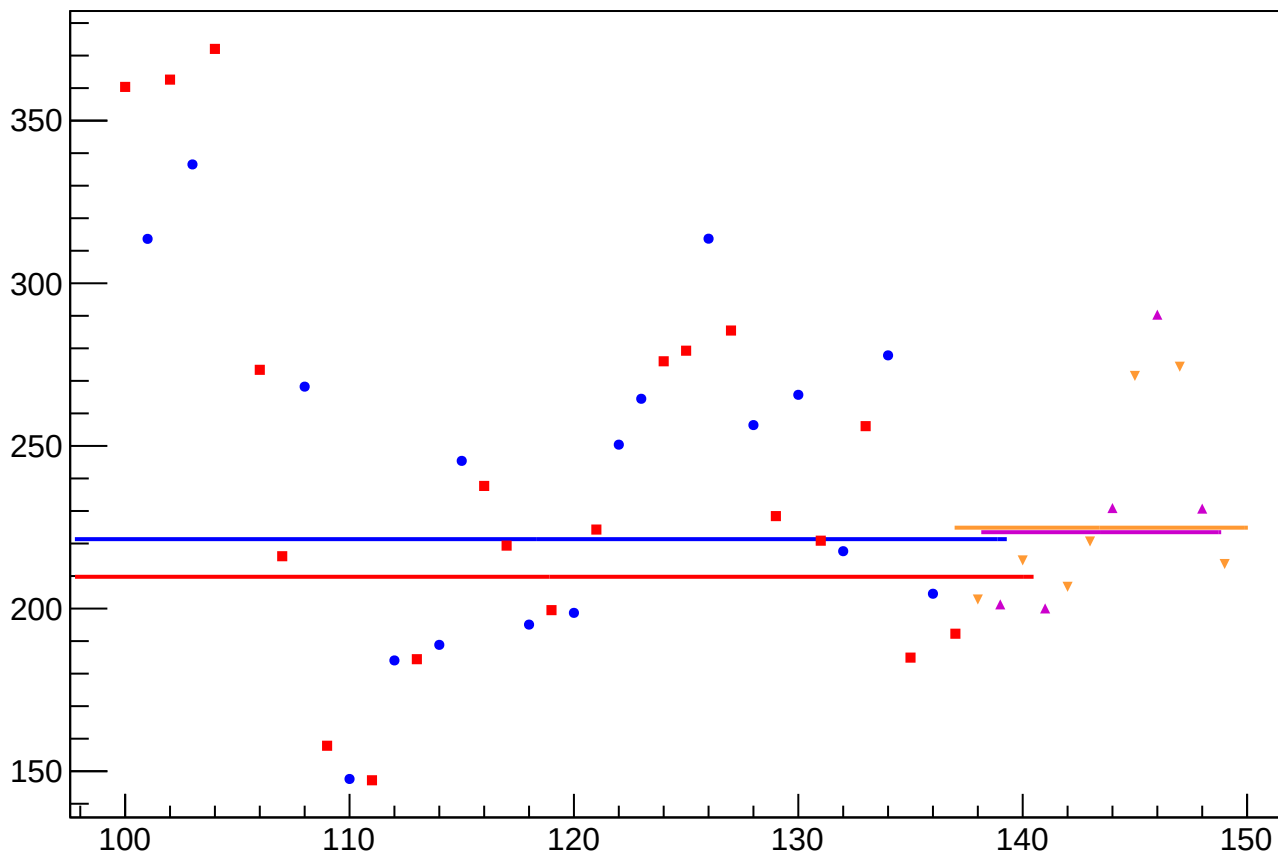
Right Out: 845.444+/-81.995 χ^2/NDF : 436.9/19

Left In: 2760.820+/-113.537 χ^2/NDF : 120.1/4

288.644+/-66.949 χ^2/NDF : 712.4/23

1501.989+/-66.472 χ^2/NDF : 744.0/24

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 224.873 $\pm$ 0.072 χ^2 /NDF:127286.3/6

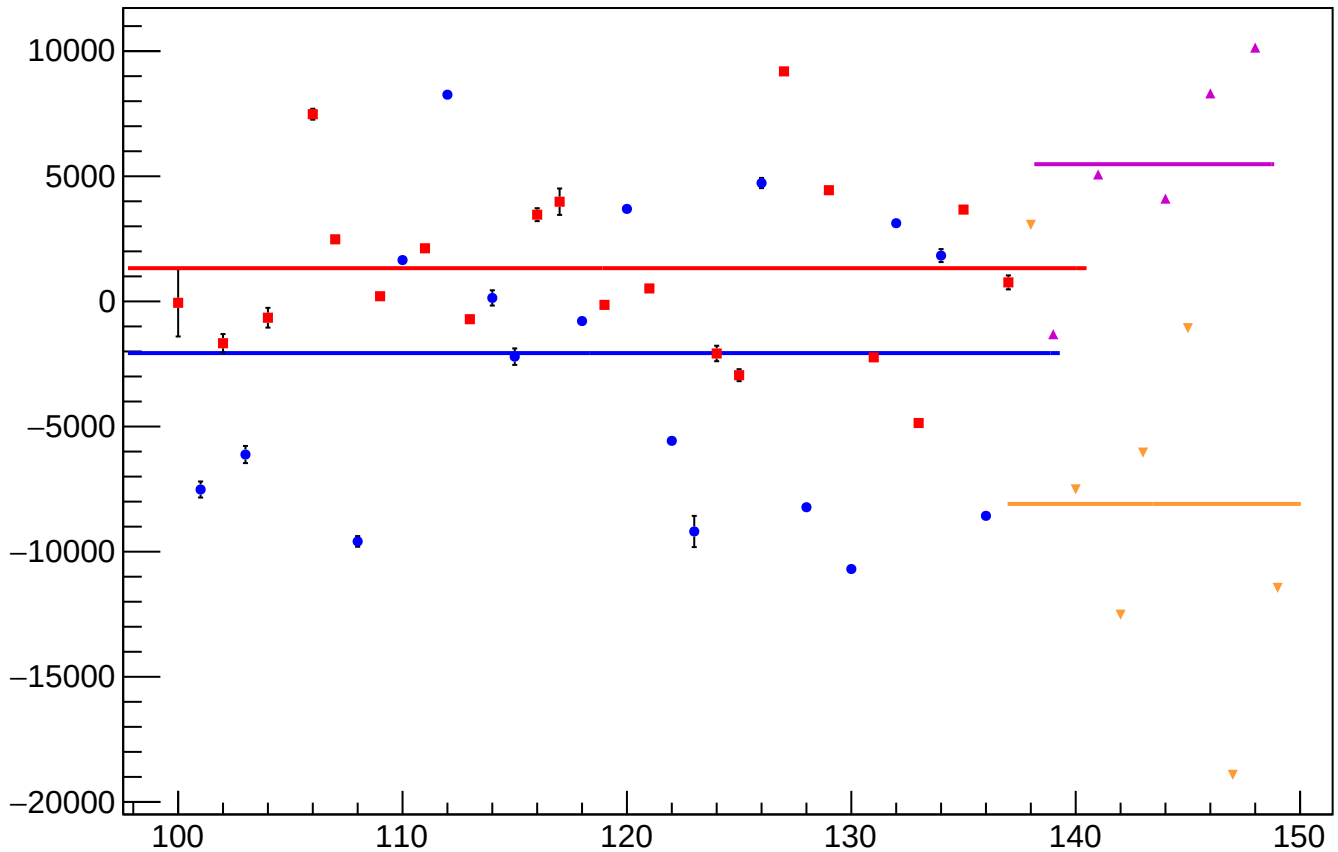
Right Out: 209.775 $\pm$ 0.058 χ^2 /NDF: 884083.7/19

Left In: 223.481 $\pm$ 0.080 χ^2 /NDF:126994.7/4

222.859 $\pm$ 0.047 χ^2 /NDF: 774337.3/23

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: -8091.079 ± 48.909 χ^2/NDF : 19866.3/6

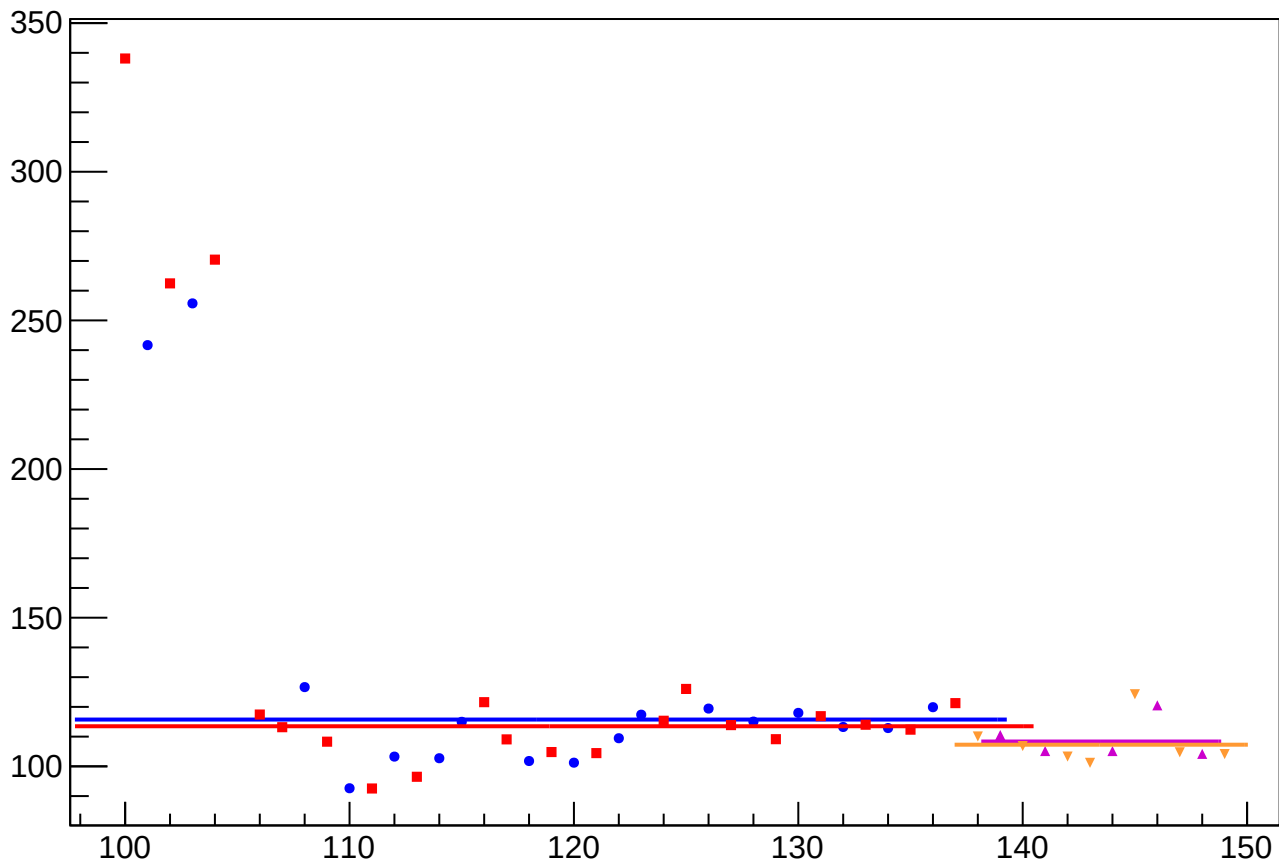
Right Out: 1327.819 ± 44.838 χ^2/NDF : 5919.9/19

Left In: 5483.061 ± 54.944 χ^2/NDF : 4644.3/4

-4978.771 ± 34.009 χ^2/NDF : 44239.7/23

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: 107.282 ± 0.035 χ^2/NDF : 37087.9/6

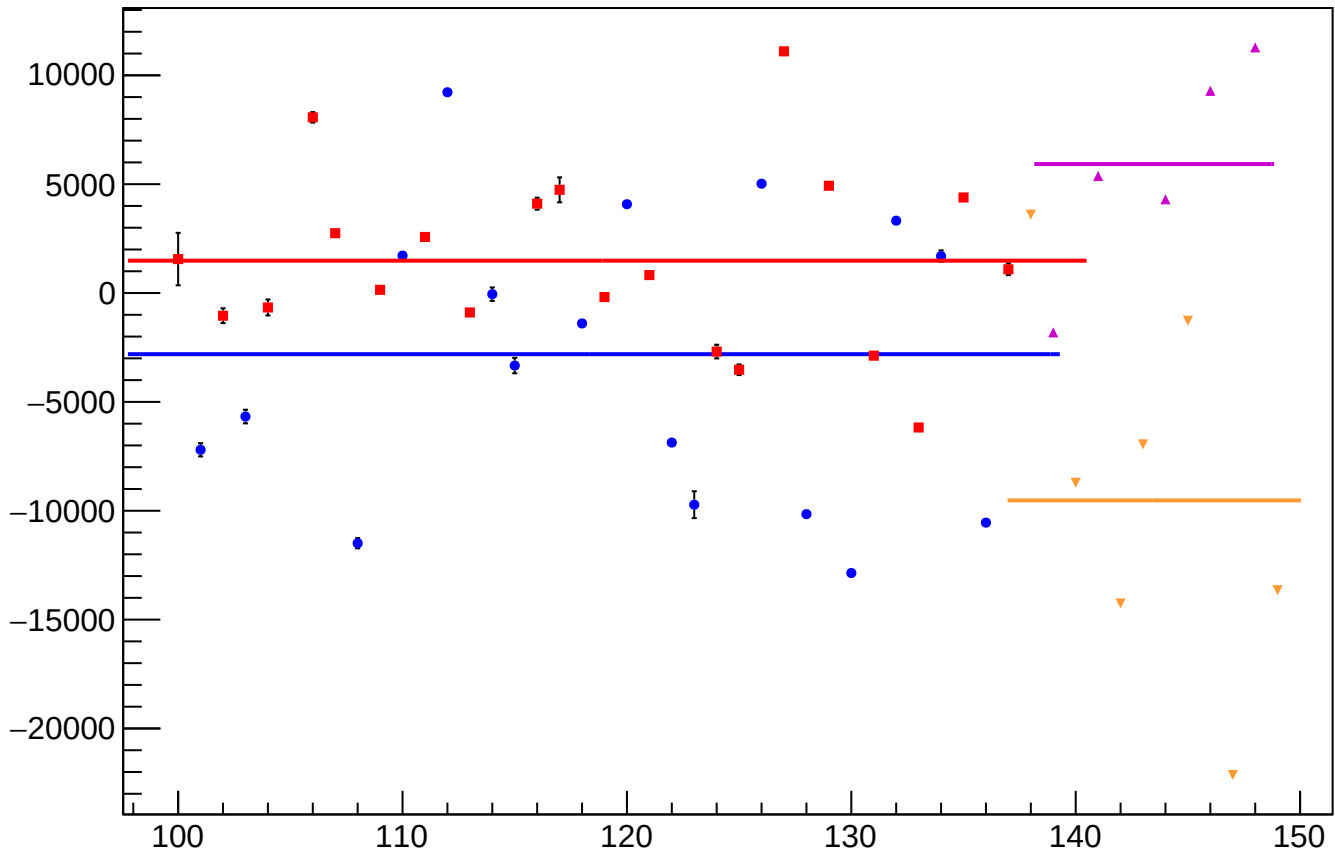
Right Out: 113.487 ± 0.032 χ^2/NDF : 796781.7/19

Left In: 108.354 ± 0.039 χ^2/NDF : 22355.1/4

111.651 ± 0.024 χ^2/NDF : 812000.9/23

111.435 ± 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: -9524.401+/-53.073 χ^2/NDF : 23165.1/6

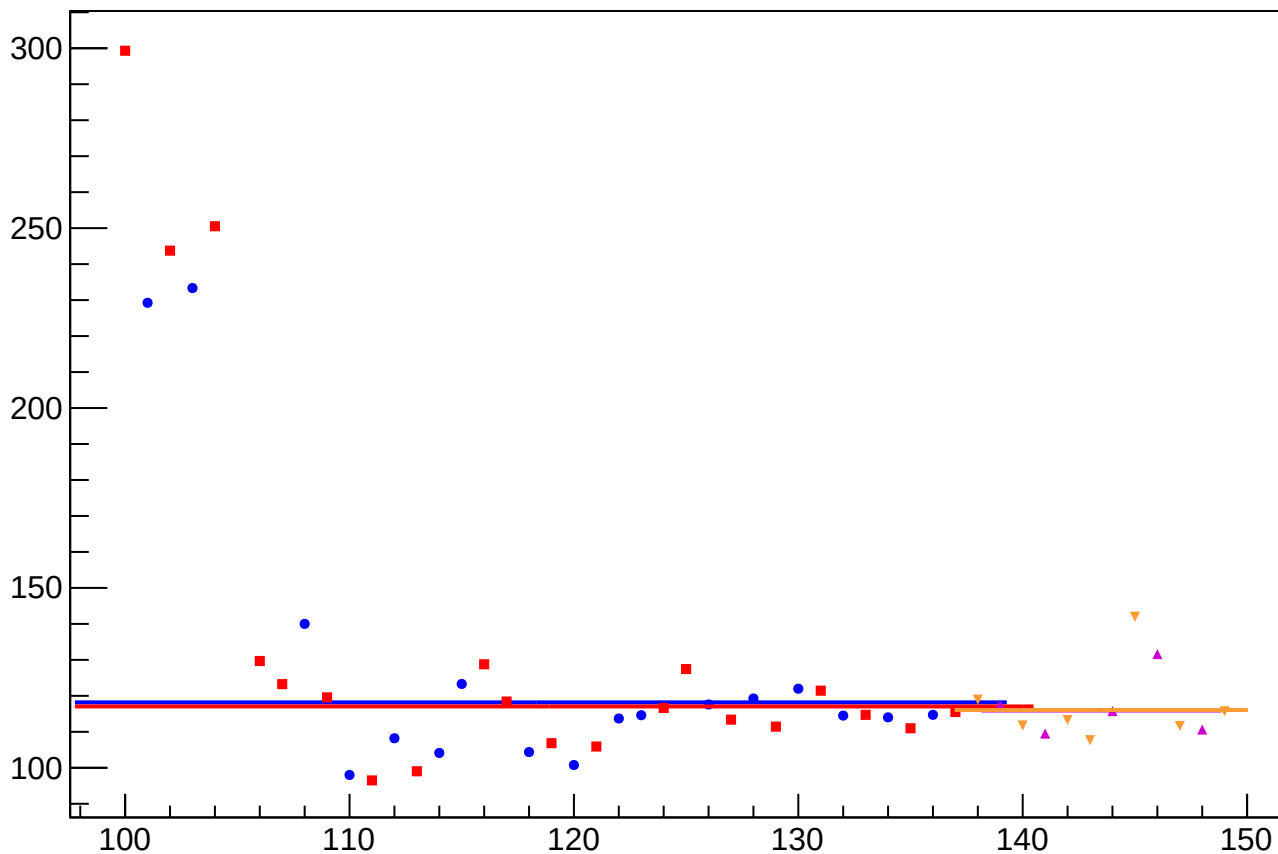
Right Out: 1486.369+/-46.243 χ^2/NDF : 8037.1/19

Left In: 5923.029+/-58.909 χ^2/NDF : 5370.5/4

-5850.183+/-35.716 χ^2/NDF : 53187.7/23

3177.959+/-36.375 χ^2/NDF : 16917.1/24

asym_bpm2i01WS_rms vs Slug



Right In: 118.188 $\pm$ 0.034 χ^2 /NDF: 636252.0/16

Left Out: 116.066 $\pm$ 0.038 χ^2 /NDF: 63496.1/6

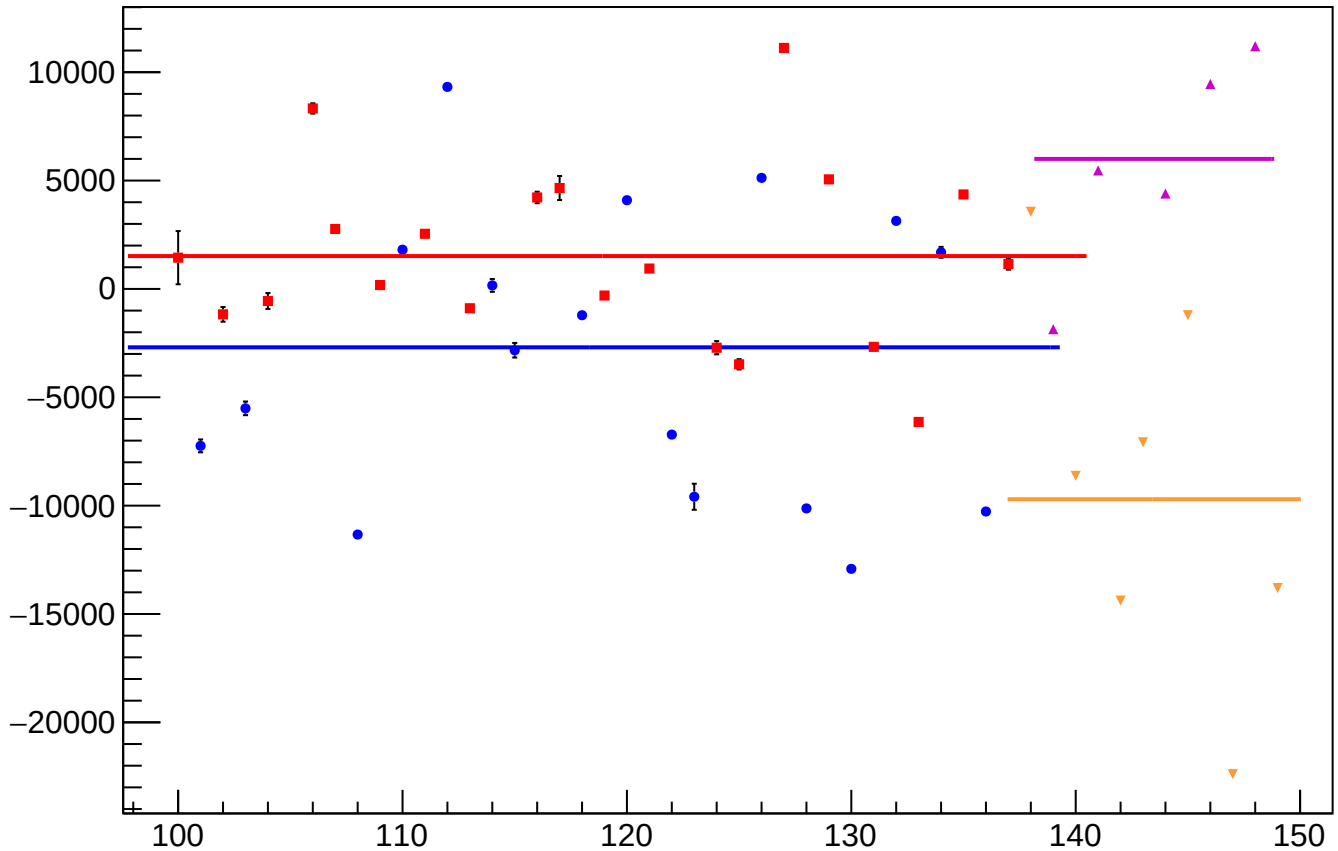
Right Out: 117.054 $\pm$ 0.033 χ^2 /NDF: 690646.8/19

Left In: 115.923 $\pm$ 0.042 χ^2 /NDF: 32049.9/4

117.227 $\pm$ 0.025 χ^2 /NDF: 701498.1/23

116.623 $\pm$ 0.026 χ^2 /NDF: 723153.3/24

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260+/-46.347 χ^2/NDF : 22860.3/16

Left Out: -9704.123+/-51.349 χ^2/NDF :25573.9/6

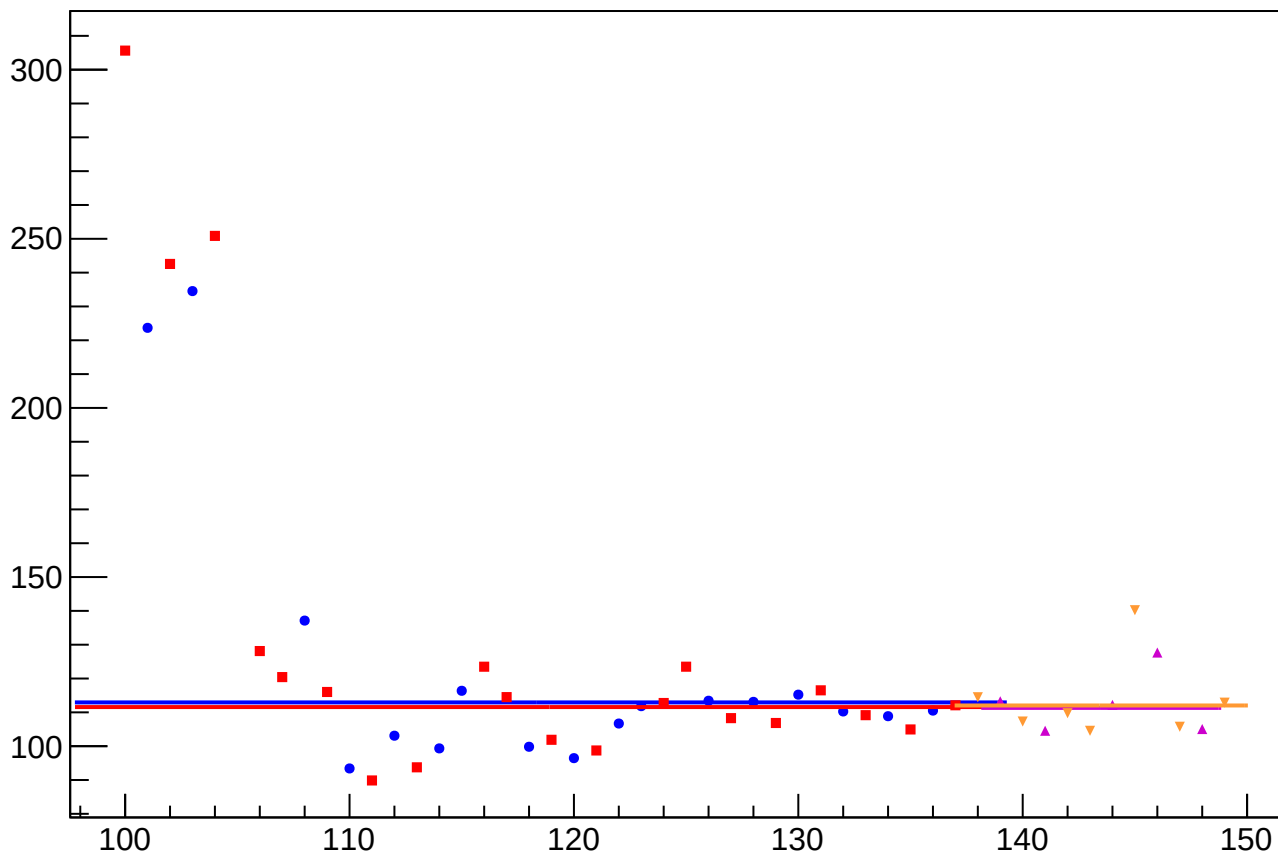
Right Out: 1515.863+/-44.303 χ^2/NDF : 8749.3/19

Left In: 5999.198+/-56.697 χ^2/NDF :5816.0/4

-5841.215+/-34.405 χ^2/NDF : 58703.8/23

3215.530+/-34.909 χ^2/NDF : 18447.7/24

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 112.033 $\pm$ 0.036 χ^2 /NDF: 75861.0/6

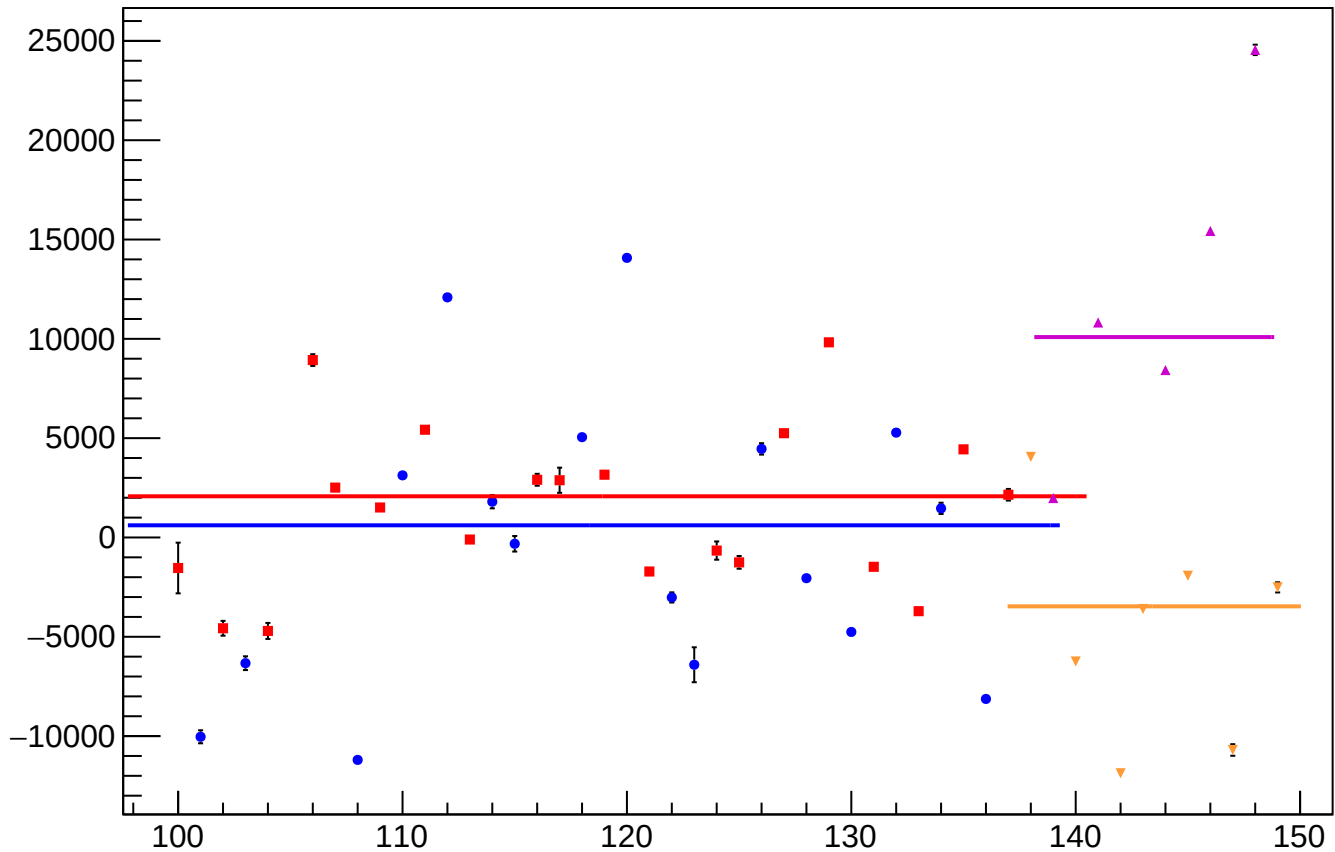
Right Out: 111.562 $\pm$ 0.031 χ^2 /NDF: 765559.1/19

Left In: 111.321 $\pm$ 0.040 χ^2 /NDF: 38923.1/4

112.533 $\pm$ 0.024 χ^2 /NDF: 756488.0/23

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: -3467.787 ± 75.264 $\chi^2/\text{NDF}: 4565.9/6$

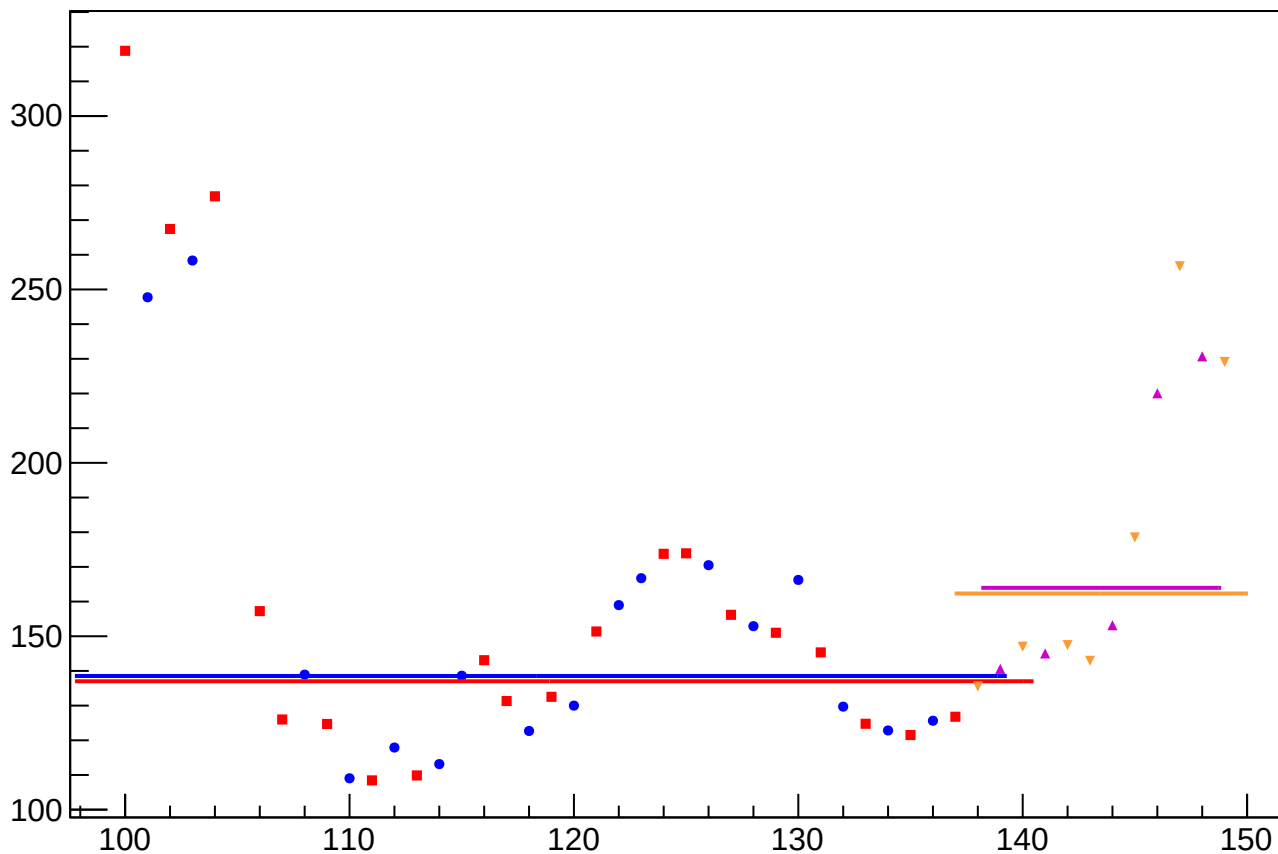
Right Out: 2073.278 ± 53.736 $\chi^2/\text{NDF}: 4644.3/19$

Left In: 10088.706 ± 84.471 $\chi^2/\text{NDF}: 5834.4/4$

-843.430 ± 44.960 $\chi^2/\text{NDF}: 24699.6/23$

4382.499 ± 45.339 $\chi^2/\text{NDF}: 16888.8/24$

asym_bpm0i01WS_rms vs Slug



Right In: 138.542+/-0.040 χ^2/NDF : 668941.7/16

Left Out: 162.332+/-0.053 χ^2/NDF : 464342.9/6

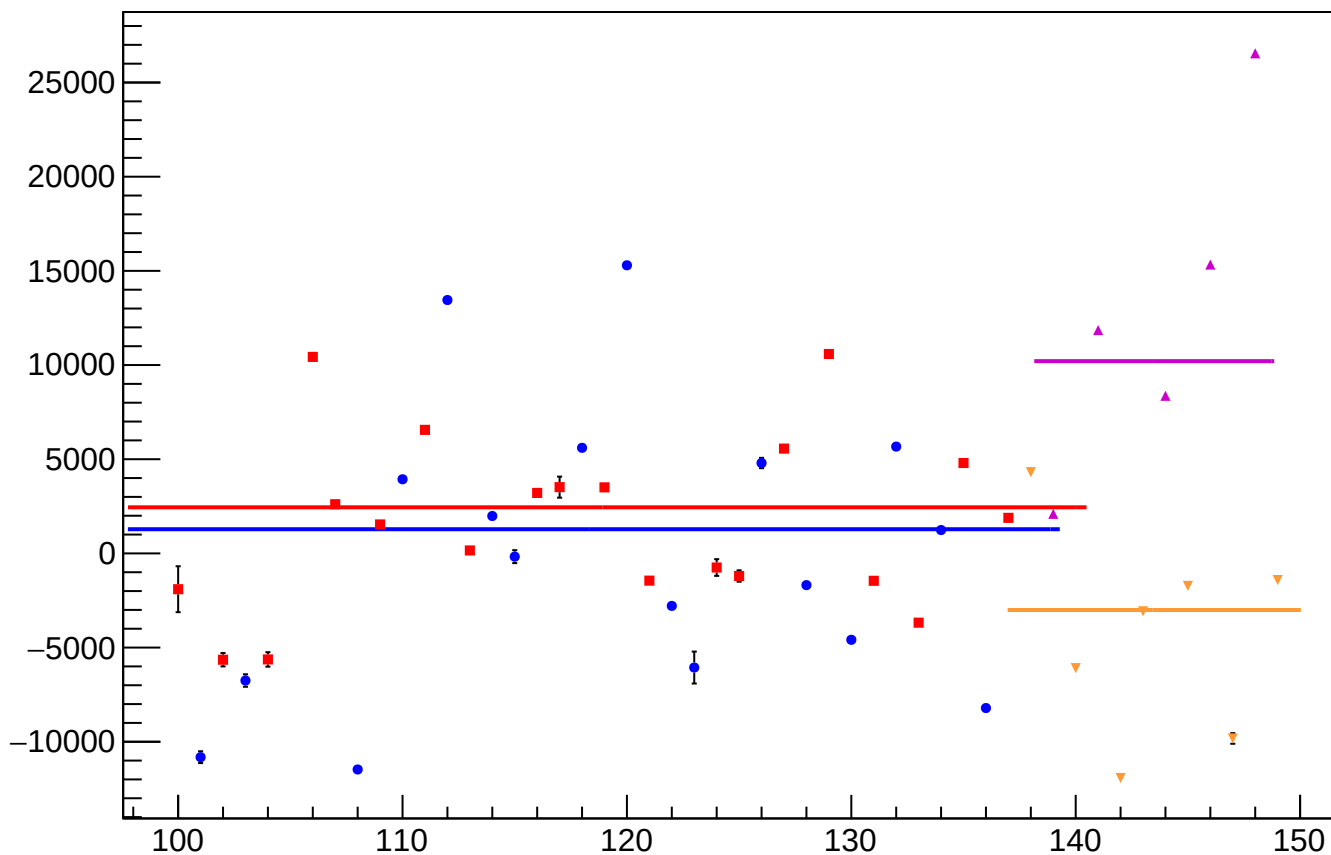
Right Out: 137.019+/-0.038 χ^2/NDF : 755655.0/19

Left In: 163.961+/-0.060 χ^2/NDF : 308497.5/4

147.031+/-0.032 χ^2/NDF : 1261804.2/23

144.781+/-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: -3004.974+/-67.288 χ^2/NDF : 5968.2/6

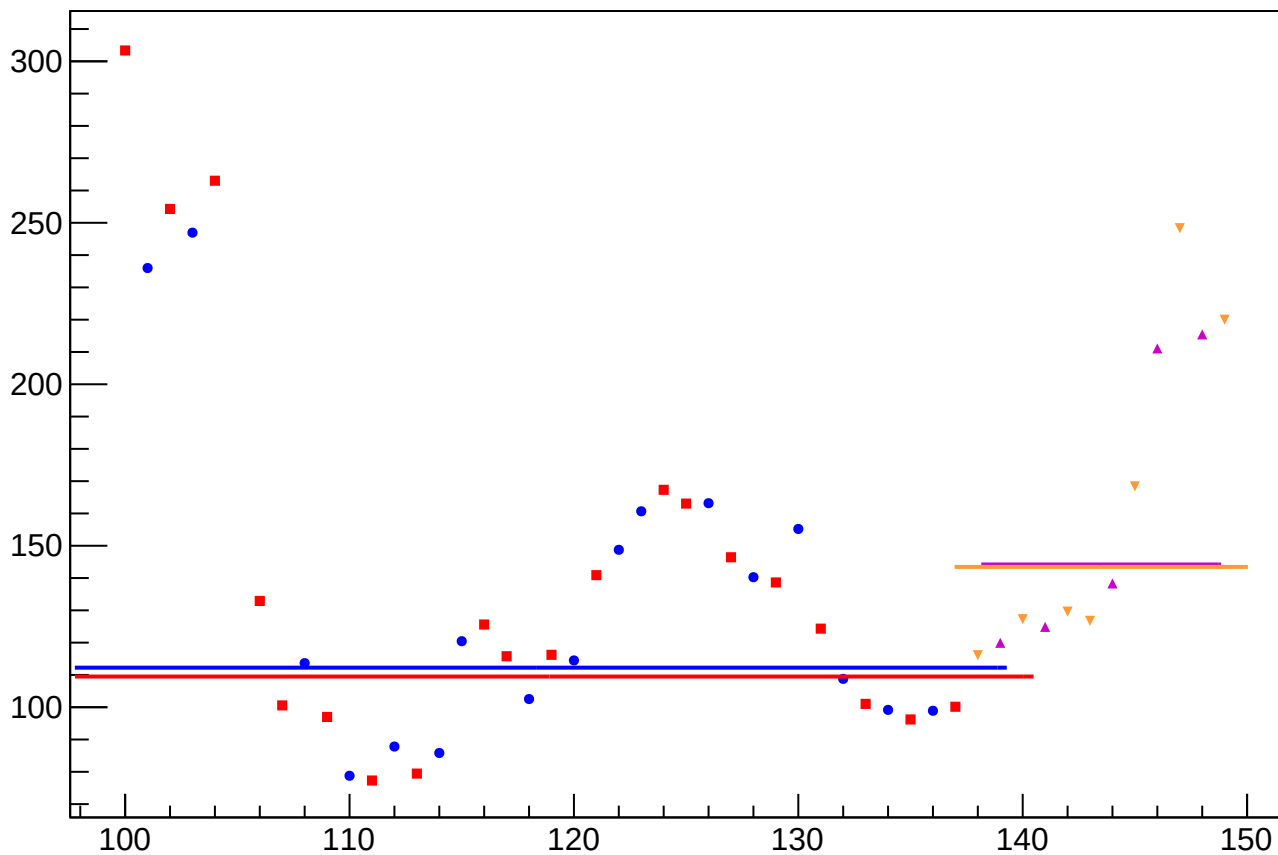
Right Out: 2446.970+/-44.148 χ^2/NDF : 7681.2/19

Left In: 10206.814+/-75.158 χ^2/NDF : 8133.7/4

-105.837+/-38.294 χ^2/NDF : 39254.6/23

4437.559+/-38.066 χ^2/NDF : 23740.3/24

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251 ± 0.033 $\chi^2/\text{NDF}: 1125537.4/16$

Left Out: 143.444 ± 0.048 $\chi^2/\text{NDF}: 639826.8/6$

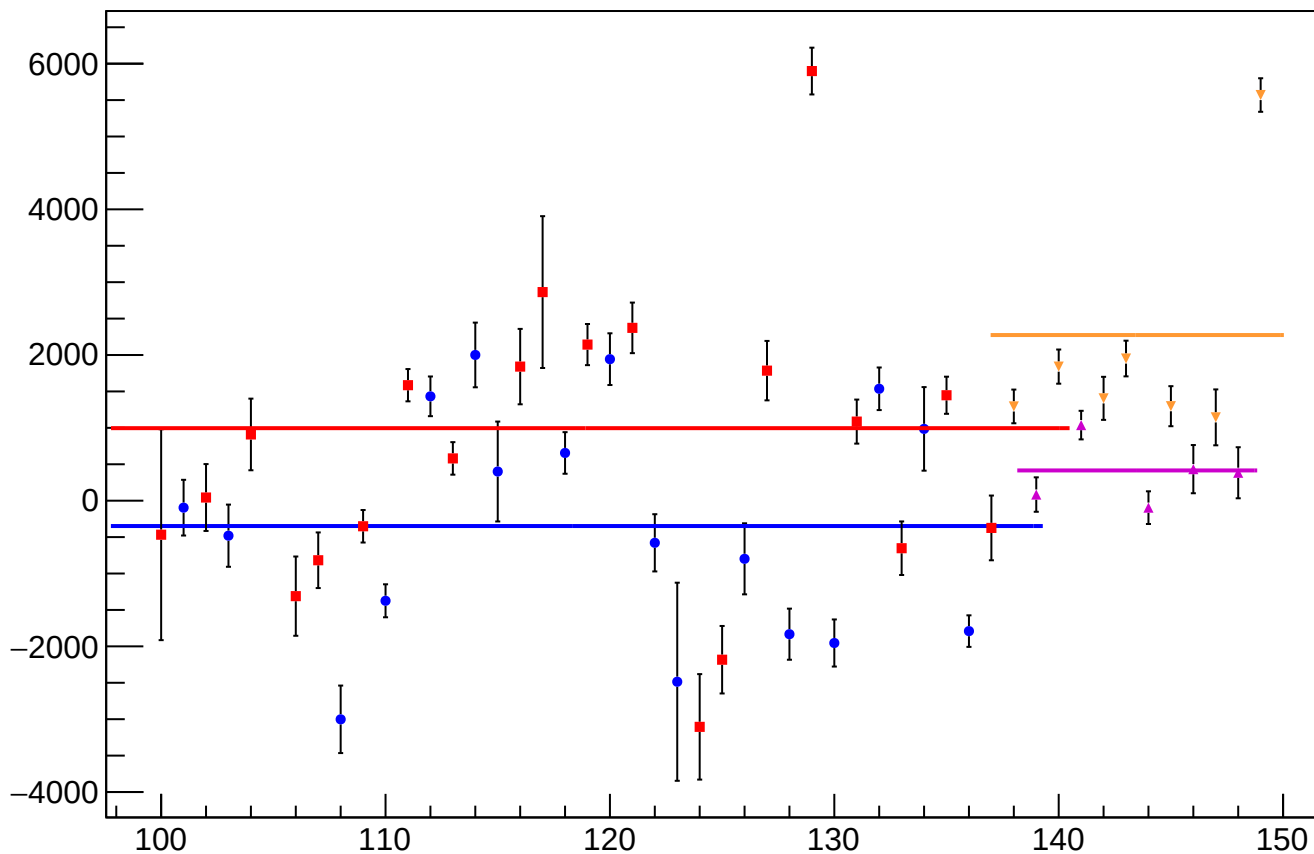
Right Out: 109.500 ± 0.031 $\chi^2/\text{NDF}: 1269887.8/19$

Left In: 144.198 ± 0.053 $\chi^2/\text{NDF}: 425472.0/4$

122.354 ± 0.027 $\chi^2/\text{NDF}: 2055968.9/23$

118.401 ± 0.027 $\chi^2/\text{NDF}: 2012293.3/24$

asym_bpm0l01WS_mean vs Slug



Right In: -348.055+/-83.826 χ^2/NDF : 317.3/16

Left Out: 2274.188+/-98.129 χ^2/NDF : 257.7/6

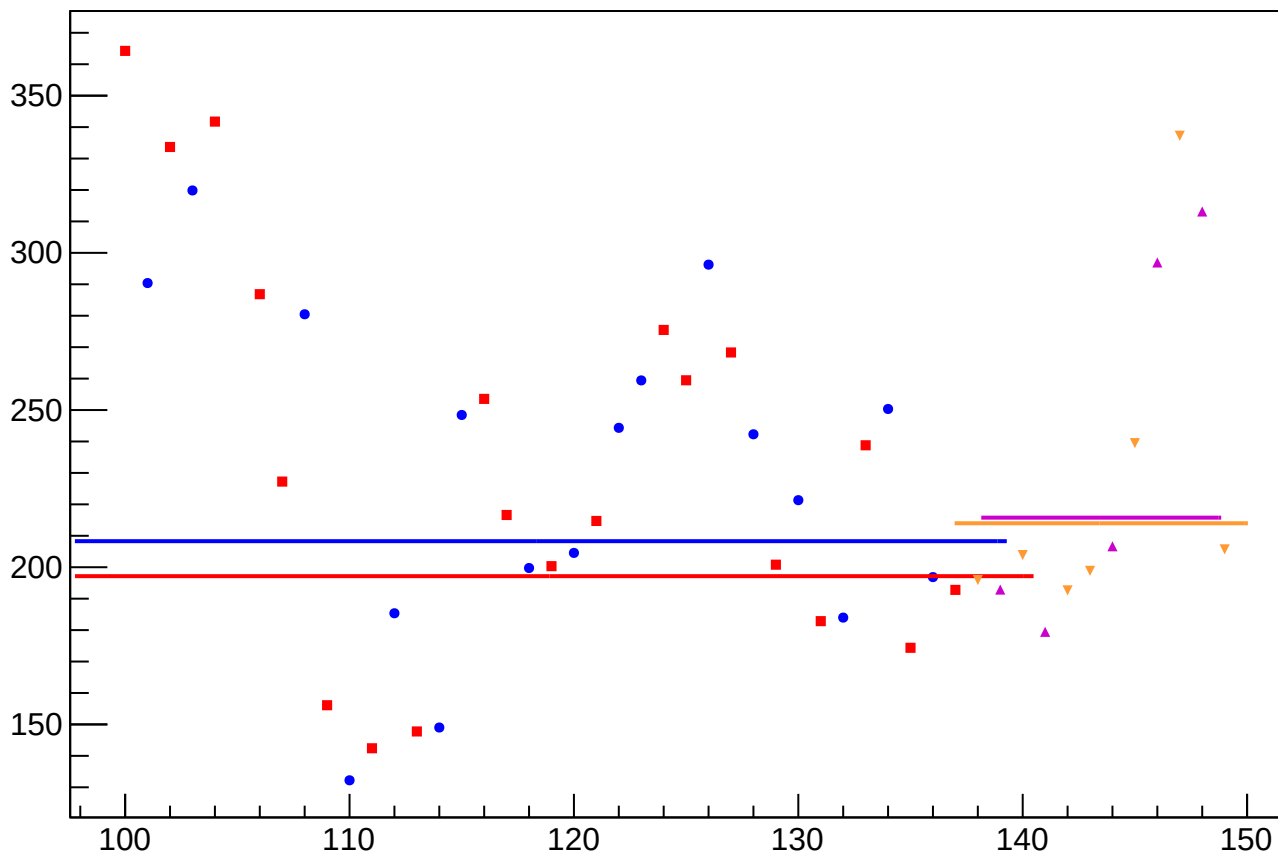
Right Out: 995.622+/-77.468 χ^2/NDF : 479.8/19

Left In: 415.304+/-111.112 χ^2/NDF : 17.2/4

758.208+/-63.737 χ^2/NDF : 987.9/23

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: 213.987 $\pm$ 0.069 χ^2 /NDF: 260134.9/6

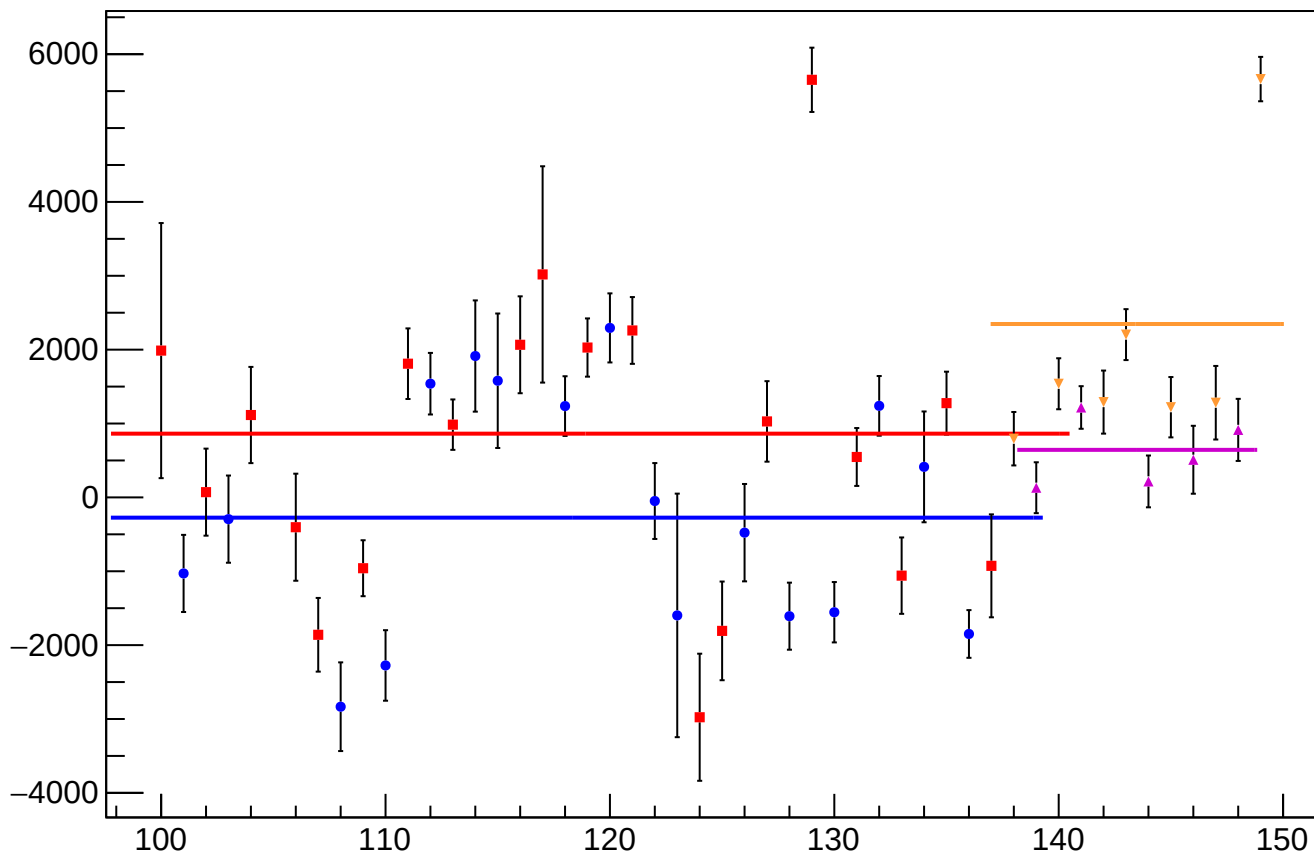
Right Out: 197.159 $\pm$ 0.055 χ^2 /NDF: 927487.8/19

Left In: 215.770 $\pm$ 0.079 χ^2 /NDF: 365249.8/4

210.692 $\pm$ 0.045 χ^2 /NDF: 962525.8/23

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: 2347.309+/-139.970 χ^2/NDF : 164.2/6

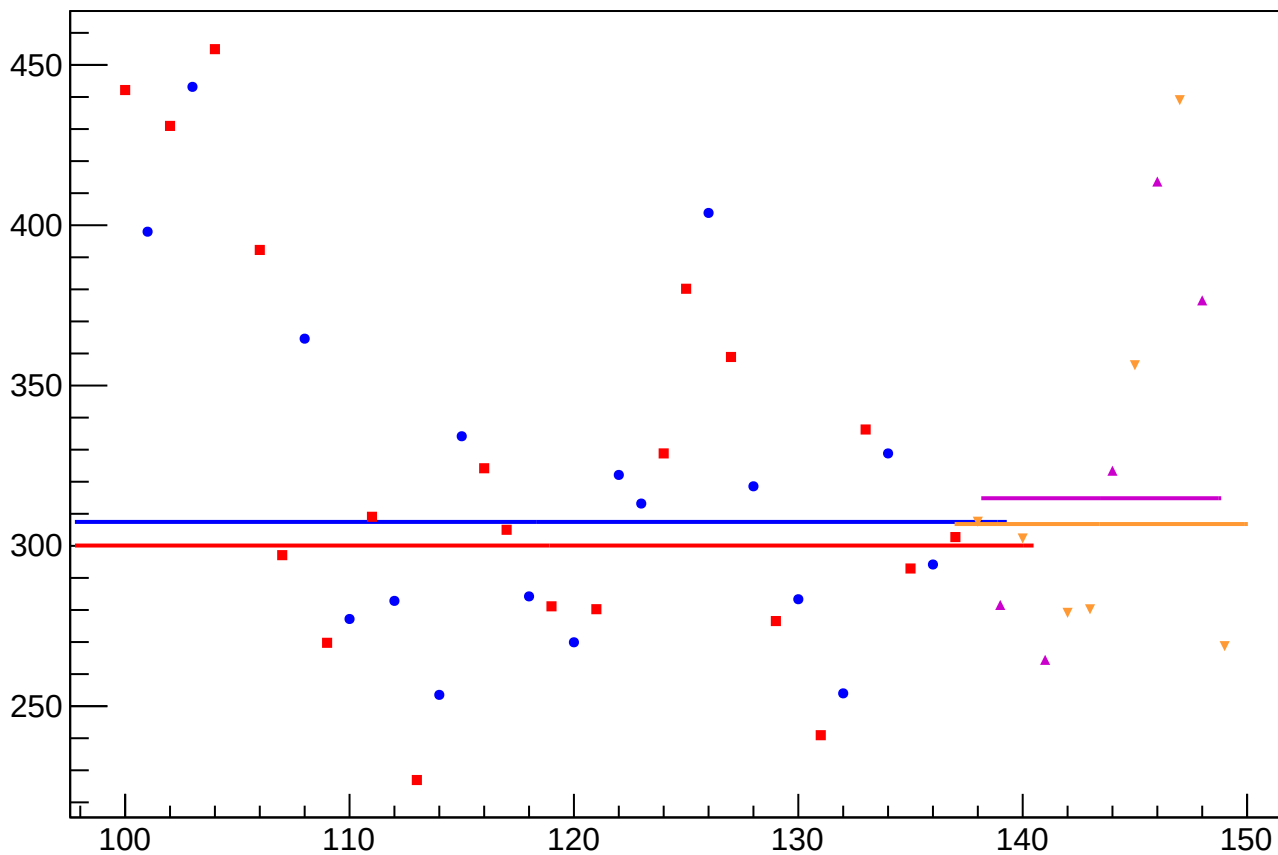
Right Out: 862.791+/-114.993 χ^2/NDF : 265.4/19

Left In: 643.498+/-160.189 χ^2/NDF : 8.2/4

850.420+/-91.678 χ^2/NDF : 536.1/23

788.215+/-93.415 χ^2/NDF : 274.8/24

asym_bpm0l02WS_rms vs Slug



Right In: 307.468 ± 0.086 $\chi^2/\text{NDF}: 323096.7/16$

Left Out: 306.805 ± 0.099 $\chi^2/\text{NDF}: 223159.3/6$

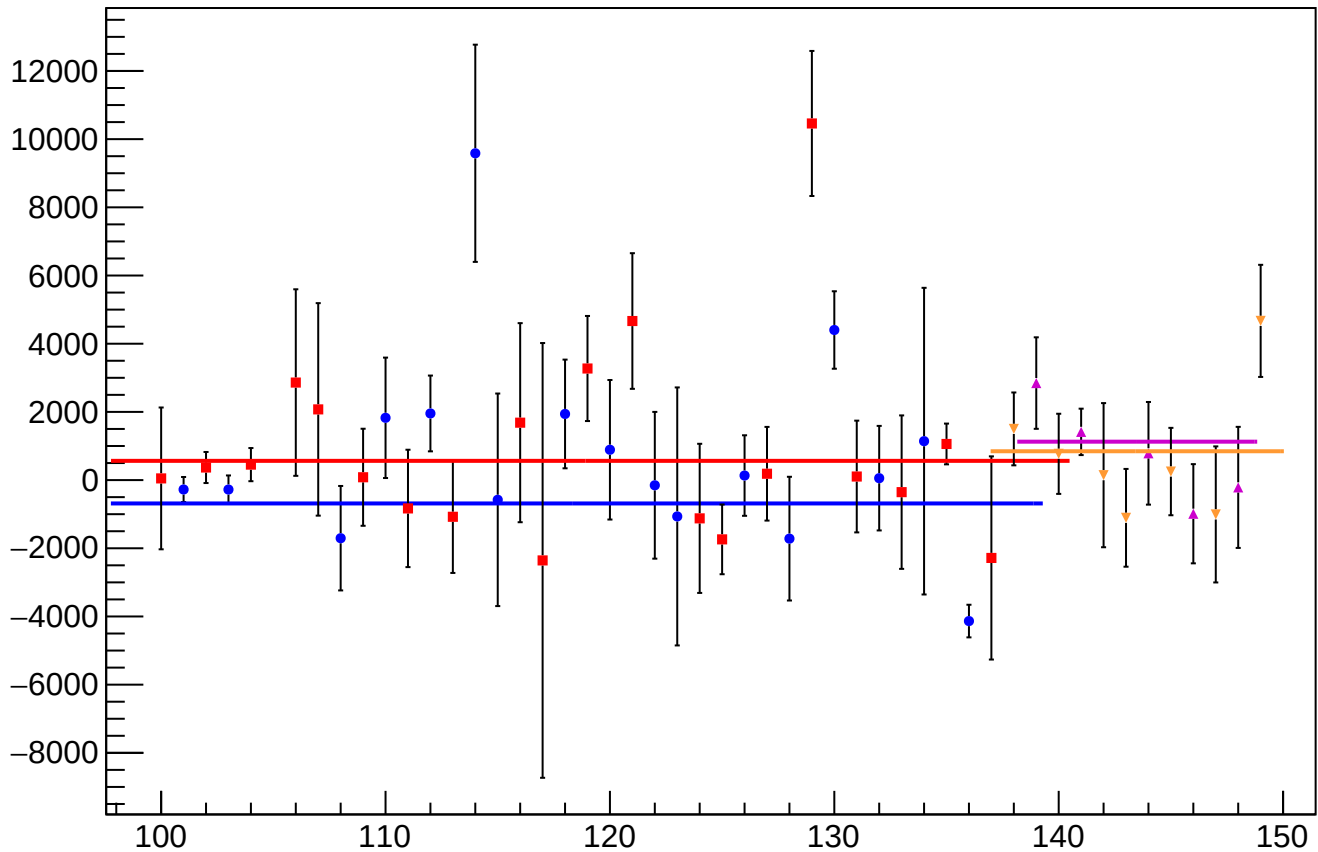
Right Out: 300.100 ± 0.081 $\chi^2/\text{NDF}: 490421.6/19$

Left In: 314.855 ± 0.113 $\chi^2/\text{NDF}: 216358.2/4$

307.184 ± 0.065 $\chi^2/\text{NDF}: 546281.6/23$

305.118 ± 0.066 $\chi^2/\text{NDF}: 717977.7/24$

asym_bpm0l03WS_mean vs Slug



Right In: -685.056 ± 210.341 χ^2/NDF : 97.4/16

Left Out: 845.766 ± 531.494 χ^2/NDF : 8.8/6

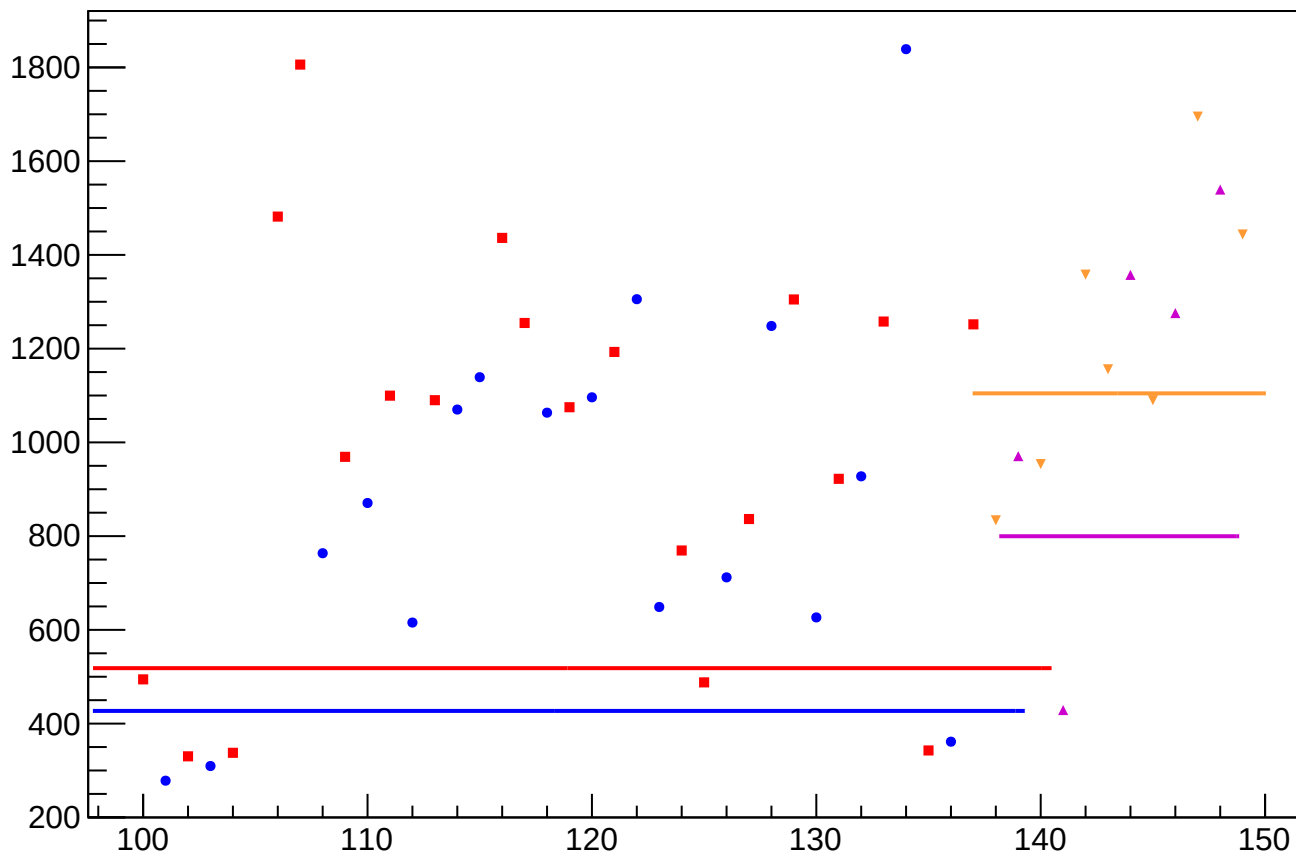
Right Out: 564.400 ± 243.074 χ^2/NDF : 39.9/19

Left In: 1126.823 ± 503.459 χ^2/NDF : 4.6/4

-477.764 ± 195.581 χ^2/NDF : 113.4/23

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: 1104.591+/-0.376 χ^2/NDF :453153.0/6

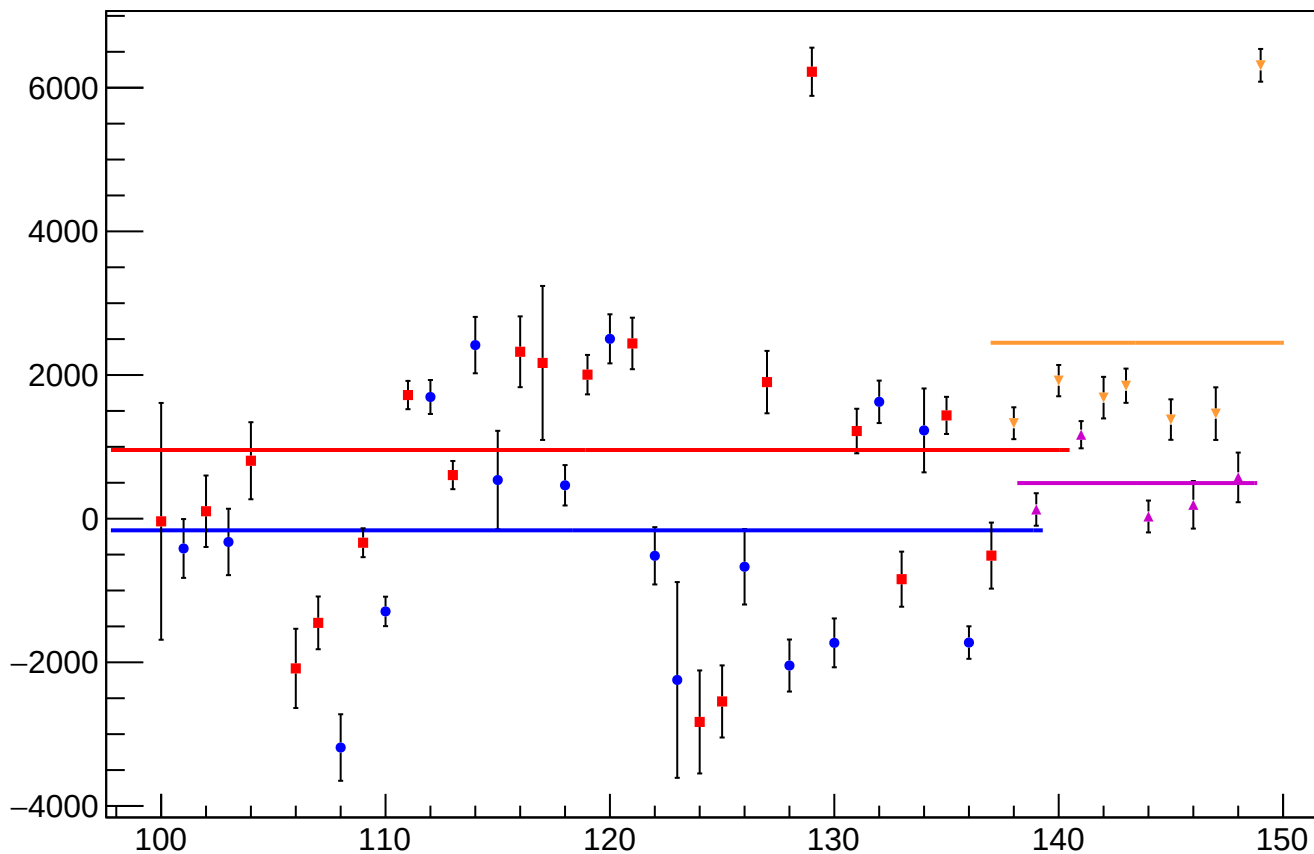
Right Out: 518.306+/-0.172 χ^2/NDF : 3631833.9/19

Left In: 799.750+/-0.356 χ^2/NDF :1461871.8/4

518.823+/-0.138 χ^2/NDF : 6128634.3/23

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: 2449.119 ± 95.267 χ^2/NDF : 353.3/6

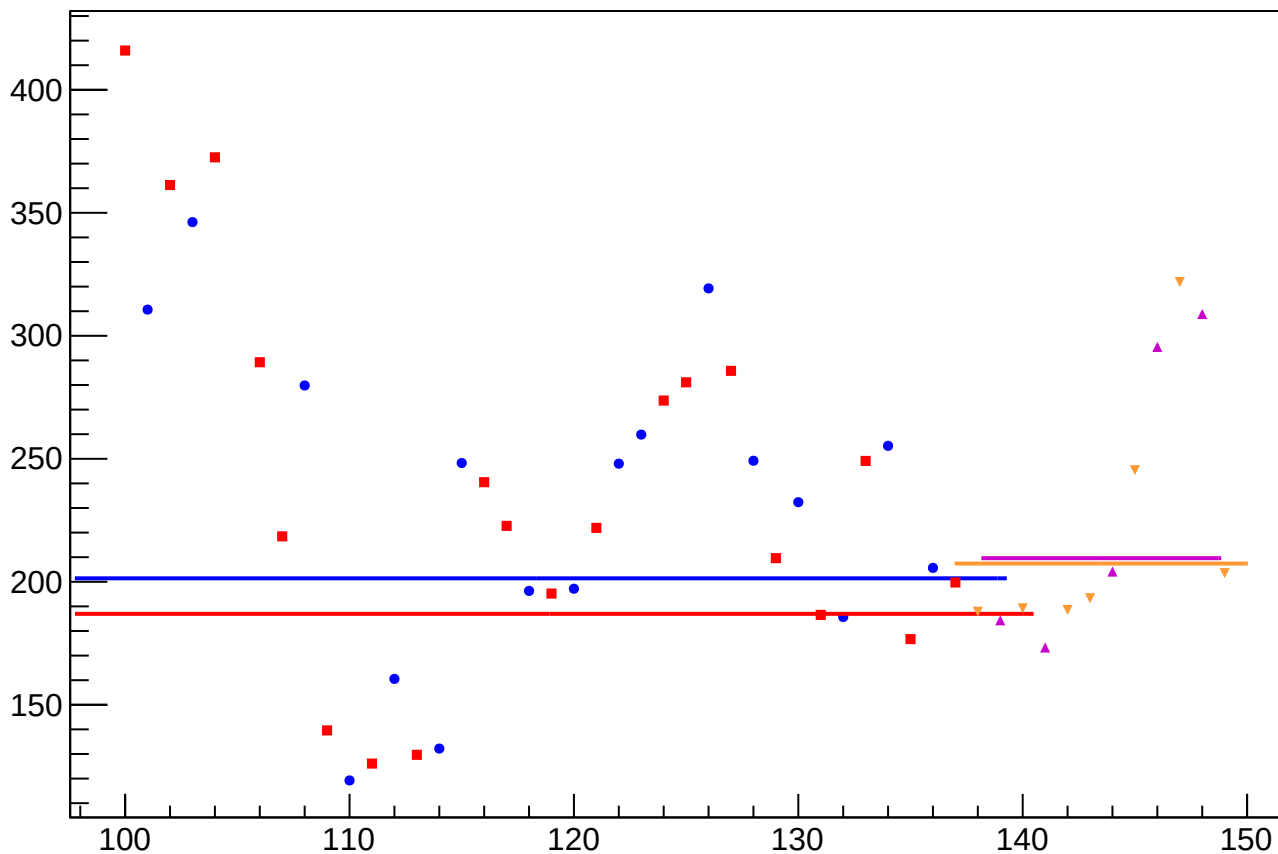
Right Out: 956.044 ± 74.949 χ^2/NDF : 541.1/19

Left In: 495.679 ± 108.326 χ^2/NDF : 20.5/4

954.480 ± 62.300 χ^2/NDF : 1170.9/23

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: 207.417 $\pm$ 0.067 χ^2 /NDF:277091.9/6

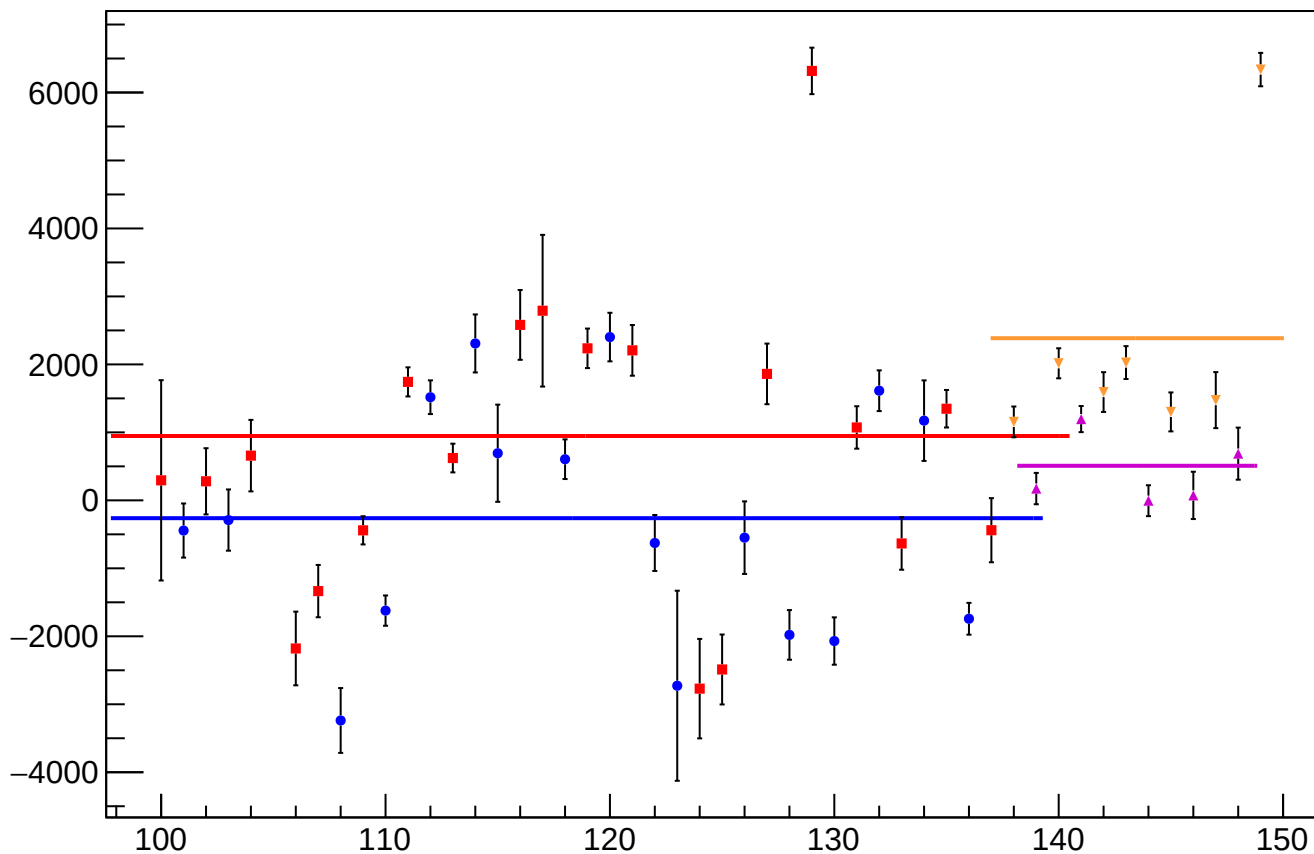
Right Out: 186.973 $\pm$ 0.053 χ^2 /NDF: 1395397.8/19

Left In: 209.603 $\pm$ 0.077 χ^2 /NDF:399270.0/4

203.979 $\pm$ 0.044 χ^2 /NDF: 1337666.6/23

194.299 $\pm$ 0.044 χ^2 /NDF: 1853693.8/24

asym_bpm0l05WS_mean vs Slug



Right In: -262.324 ± 85.433 $\chi^2/\text{NDF}: 368.7/16$

Left Out: 2385.302 ± 98.332 $\chi^2/\text{NDF}: 320.0/6$

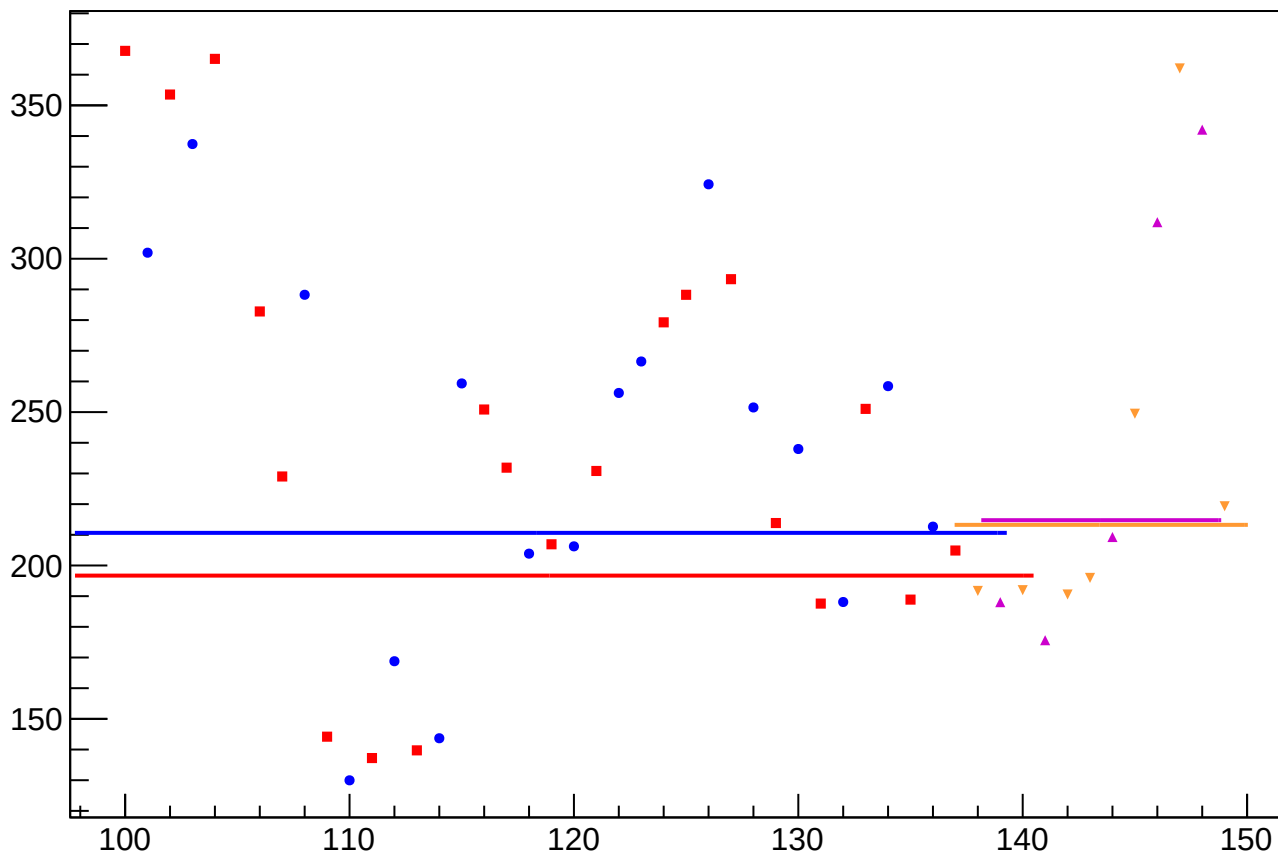
Right Out: 946.785 ± 78.241 $\chi^2/\text{NDF}: 524.6/19$

Left In: 508.484 ± 111.567 $\chi^2/\text{NDF}: 21.8/4$

876.560 ± 64.492 $\chi^2/\text{NDF}: 1101.8/23$

802.289 ± 64.059 $\chi^2/\text{NDF}: 556.8/24$

asym_bpm0l05WS_rms vs Slug



Right In: 210.636+/-0.060 χ^2/NDF : 875776.4/16

Left Out: 213.246+/-0.070 χ^2/NDF : 352746.2/6

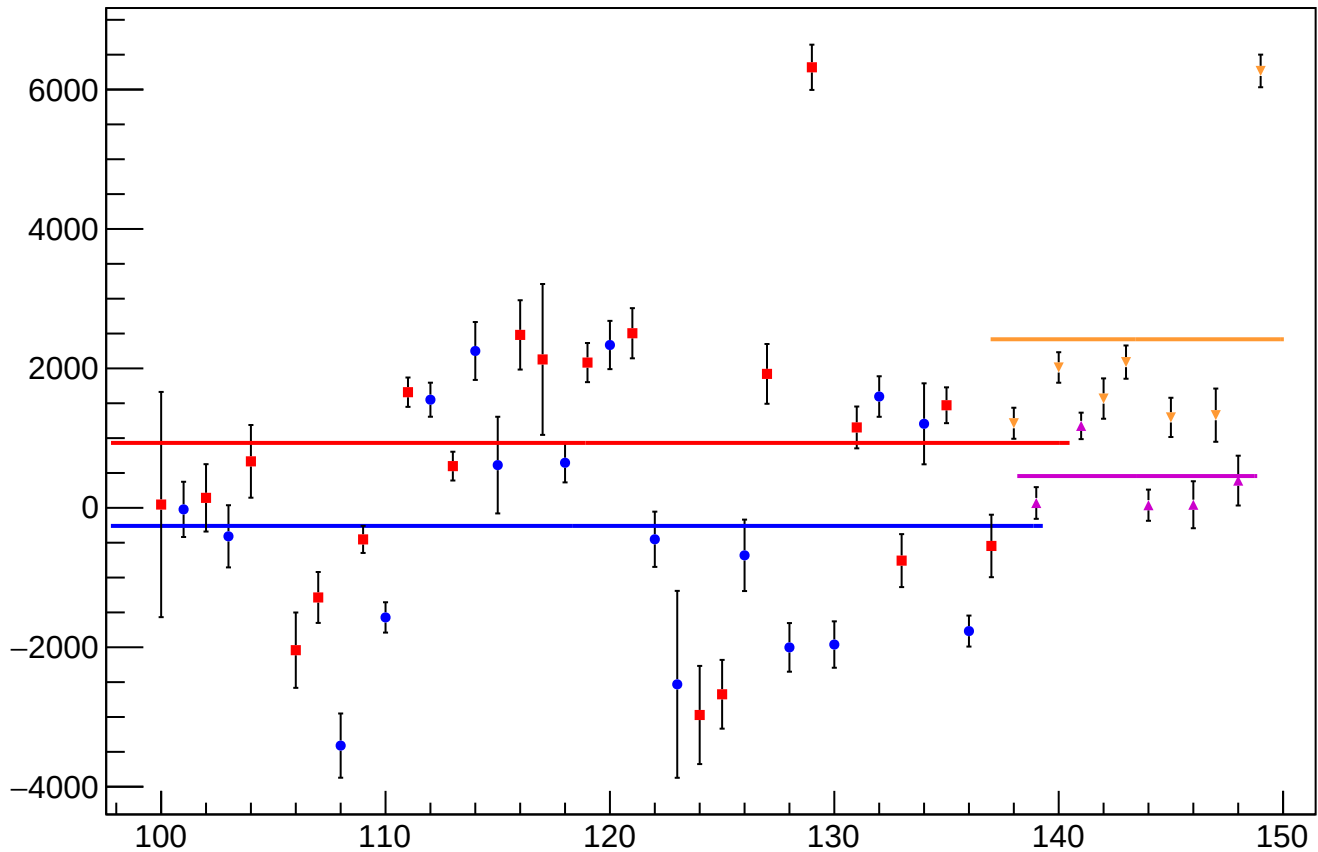
Right Out: 196.702+/-0.055 χ^2/NDF : 1207089.6/19

Left In: 214.768+/-0.079 χ^2/NDF : 487742.4/4

211.758+/-0.046 χ^2/NDF : 1229325.4/23

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: 2417.858 ± 96.068 χ^2/NDF : 337.9/6

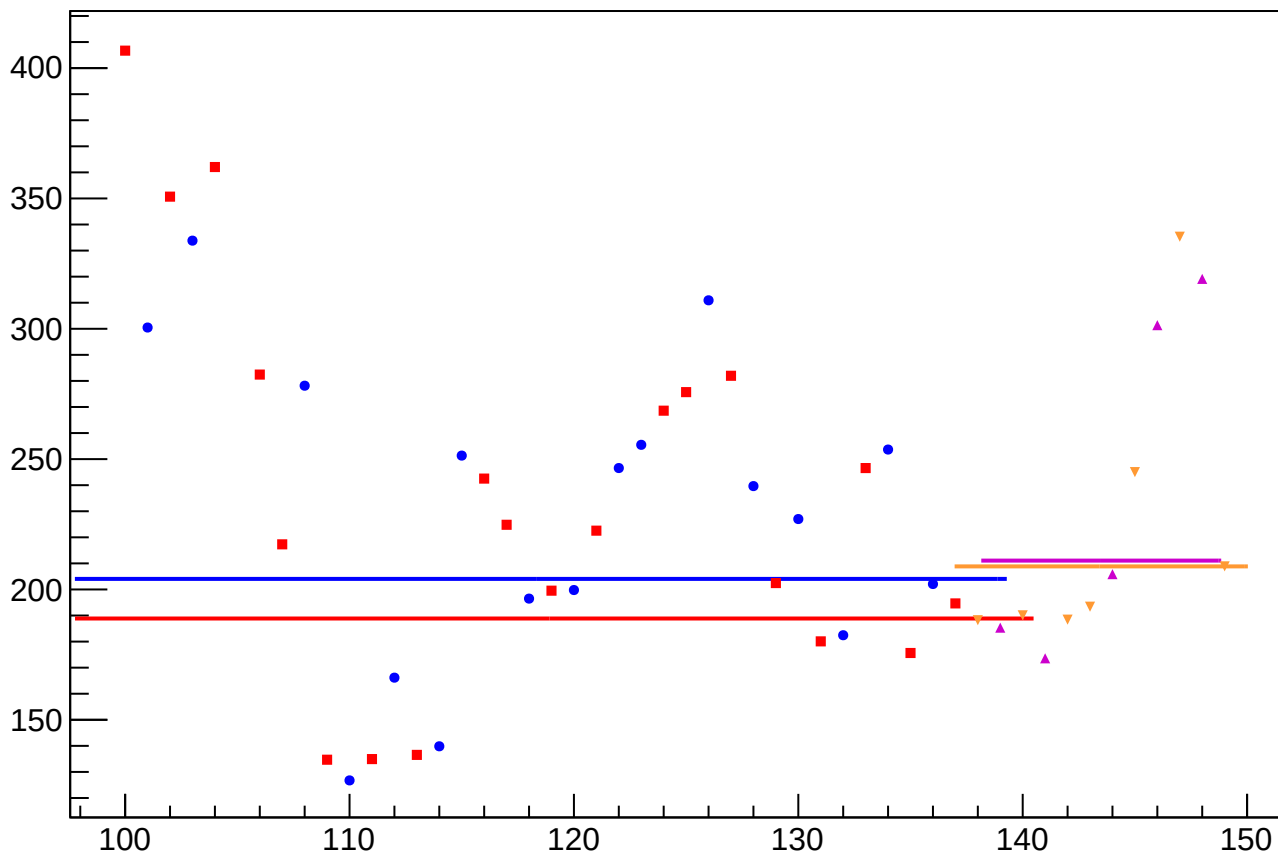
Right Out: 931.363 ± 75.320 χ^2/NDF : 583.1/19

Left In: 455.965 ± 109.286 χ^2/NDF : 22.3/4

881.910 ± 62.720 χ^2/NDF : 1174.6/23

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: 208.846+/-0.068 χ^2/NDF :302840.3/6

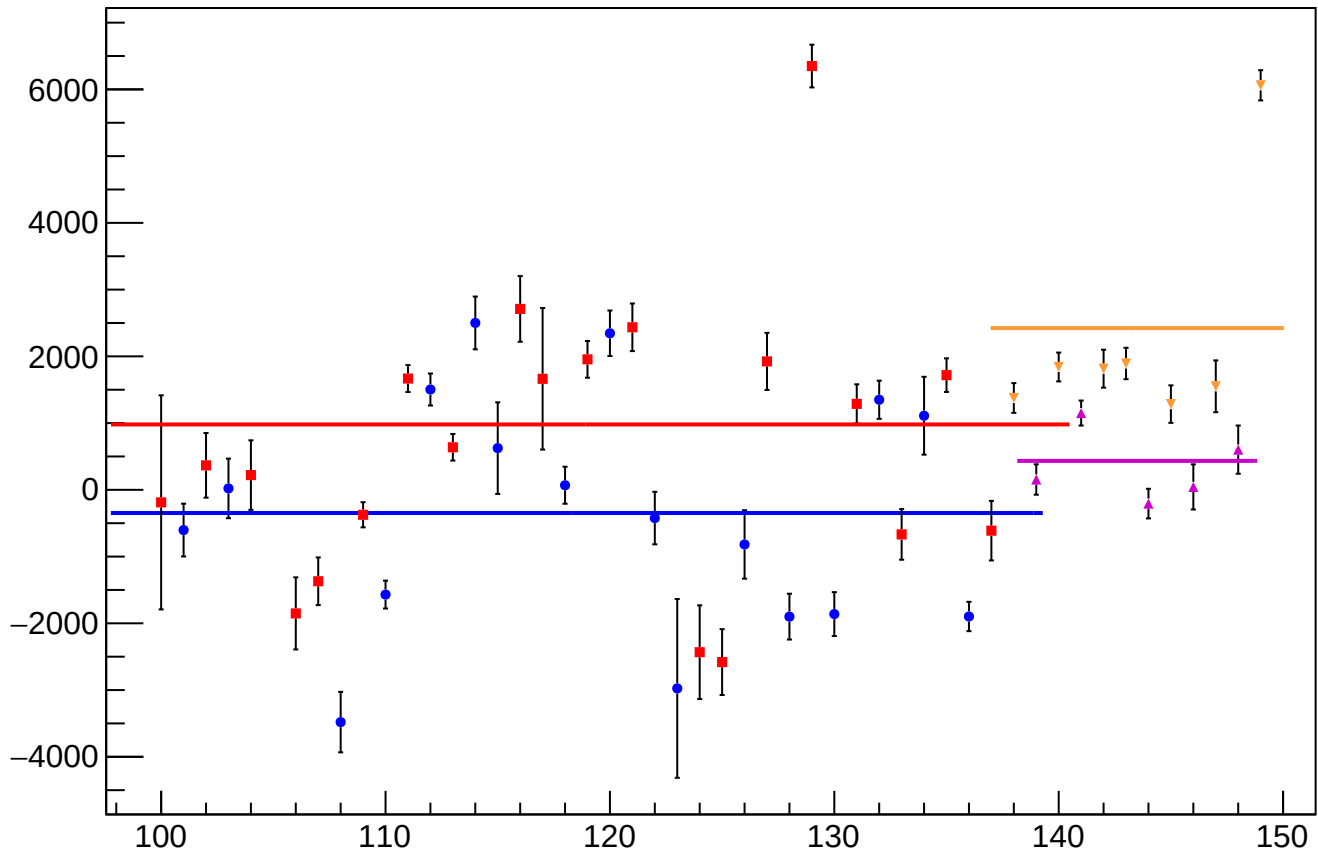
Right Out: 188.856+/-0.053 χ^2/NDF : 1253327.1/19

Left In: 211.071+/-0.077 χ^2/NDF :431295.3/4

206.095+/-0.044 χ^2/NDF : 1174122.0/23

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: 2423.668 ± 95.003 χ^2/NDF : 318.4/6

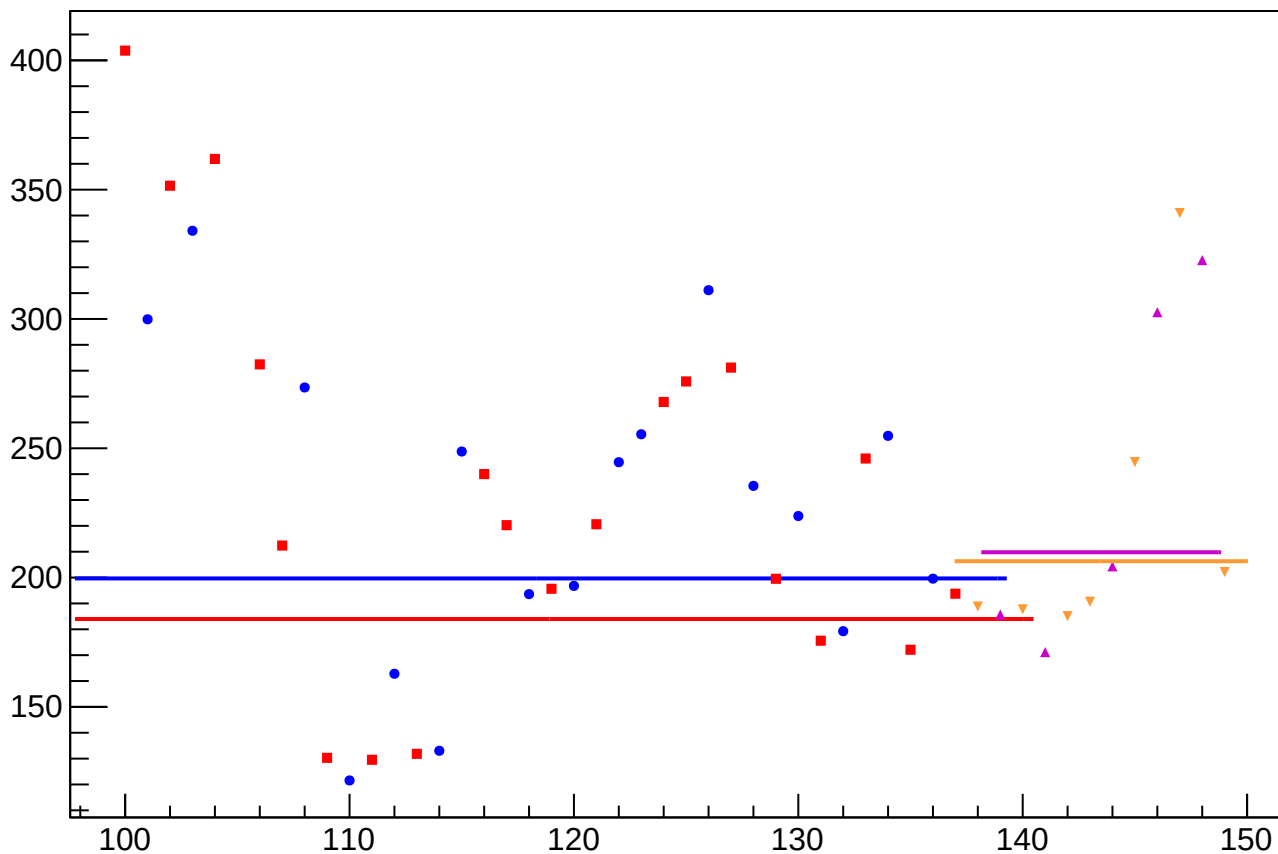
Right Out: 979.606 ± 73.710 χ^2/NDF : 586.1/19

Left In: 433.588 ± 108.790 χ^2/NDF : 26.0/4

824.429 ± 61.777 χ^2/NDF : 1208.5/23

807.813 ± 61.023 χ^2/NDF : 629.4/24

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 $\pm$ 0.058 χ^2 /NDF: 943155.1/16

Left Out: 206.329 $\pm$ 0.067 χ^2 /NDF:325780.6/6

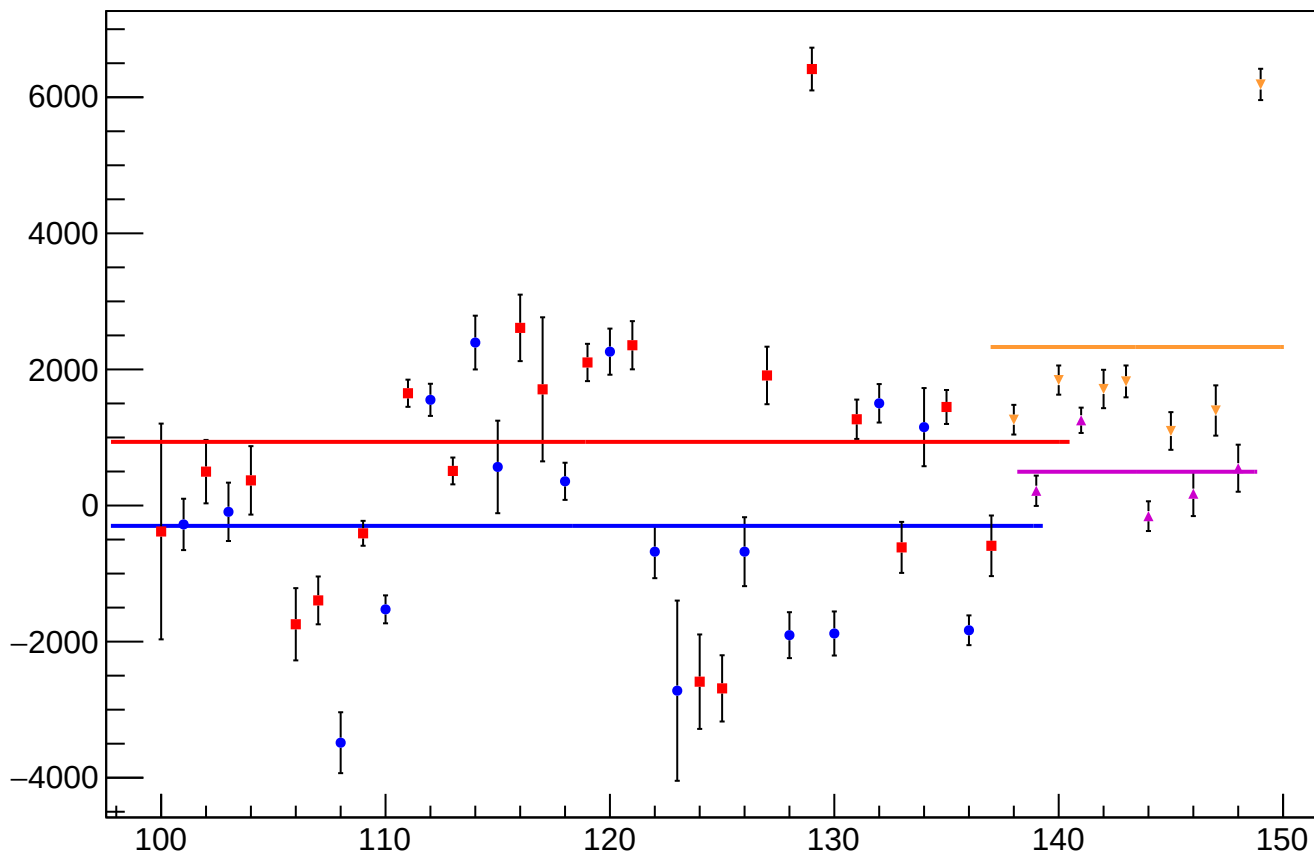
Right Out: 183.984 $\pm$ 0.052 χ^2 /NDF: 1351978.1/19

Left In: 209.792 $\pm$ 0.077 χ^2 /NDF:454777.9/4

202.485 $\pm$ 0.044 χ^2 /NDF: 1274608.3/23

192.104 $\pm$ 0.043 χ^2 /NDF: 1883891.7/24

asym_bpm0l08WS_mean vs Slug



Right In: -298.963+/-80.162 χ^2/NDF : 406.6/16

Left Out: 2329.712+/-94.122 χ^2/NDF :346.3/6

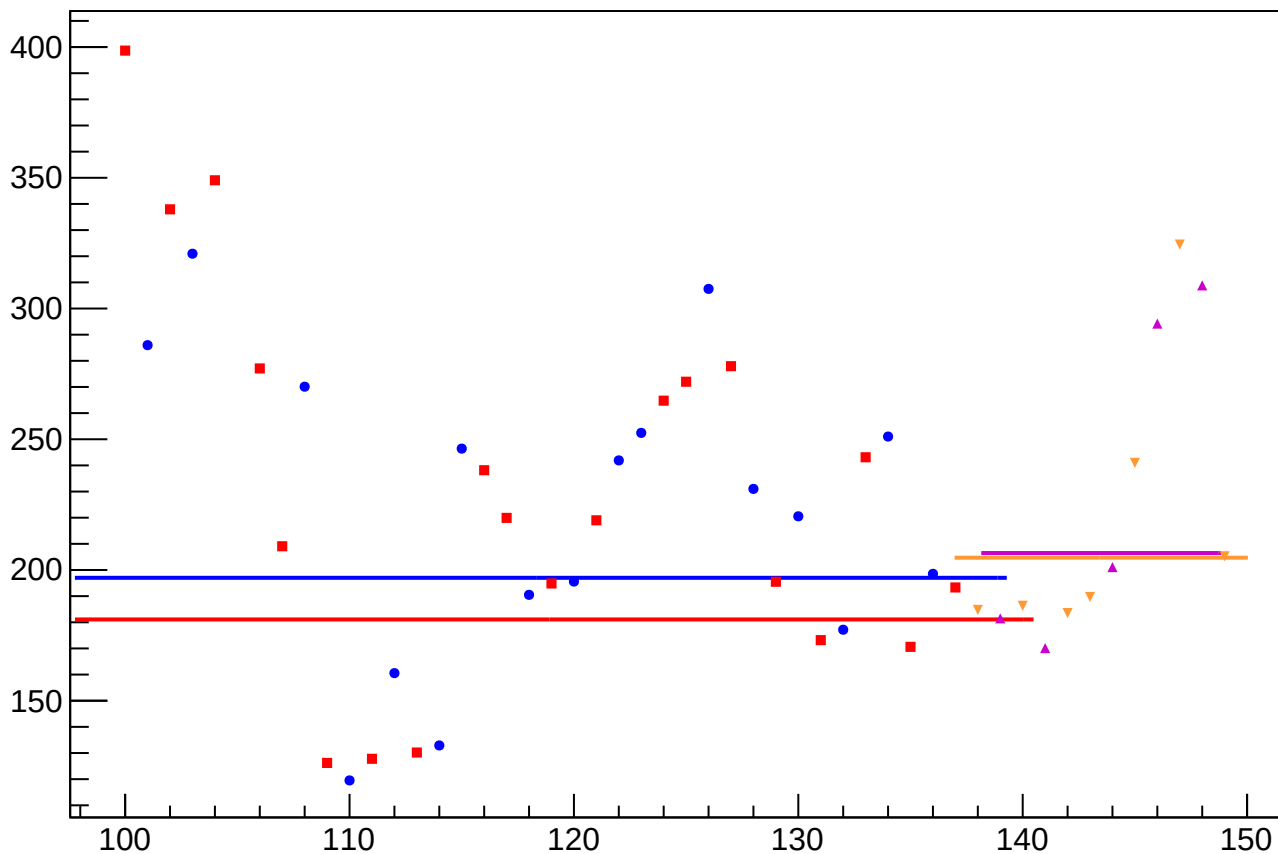
Right Out: 935.490+/-72.580 χ^2/NDF : 615.3/19

Left In: 496.407+/-106.871 χ^2/NDF :28.0/4

806.154+/-61.028 χ^2/NDF : 1205.0/23

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: 204.704 $\pm$ 0.067 χ^2 /NDF:295409.4/6

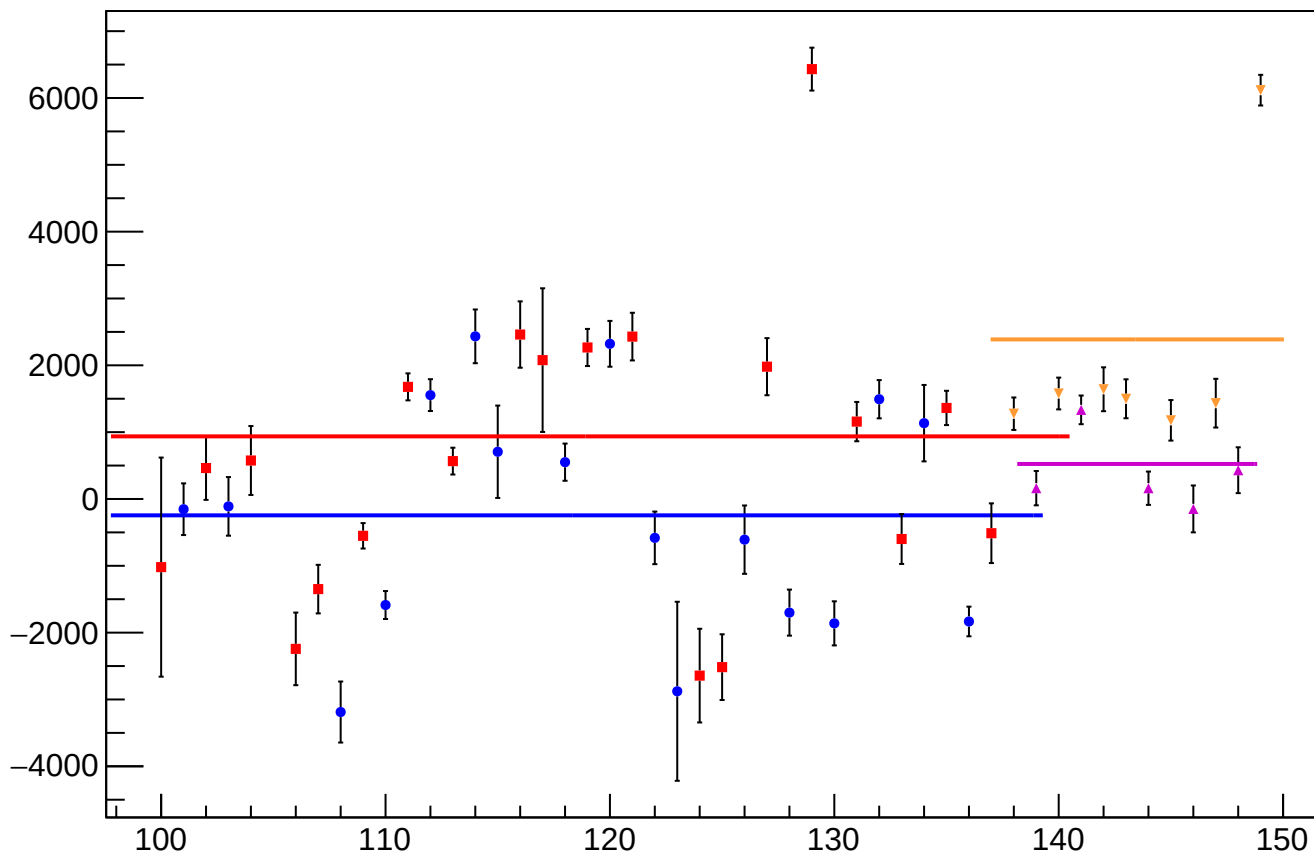
Right Out: 181.089 $\pm$ 0.051 χ^2 /NDF: 1348390.5/19

Left In: 206.487 $\pm$ 0.076 χ^2 /NDF:420116.3/4

200.247 $\pm$ 0.043 χ^2 /NDF: 1215072.9/23

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: 2387.514+/-103.643 χ^2/NDF : 334.1/6

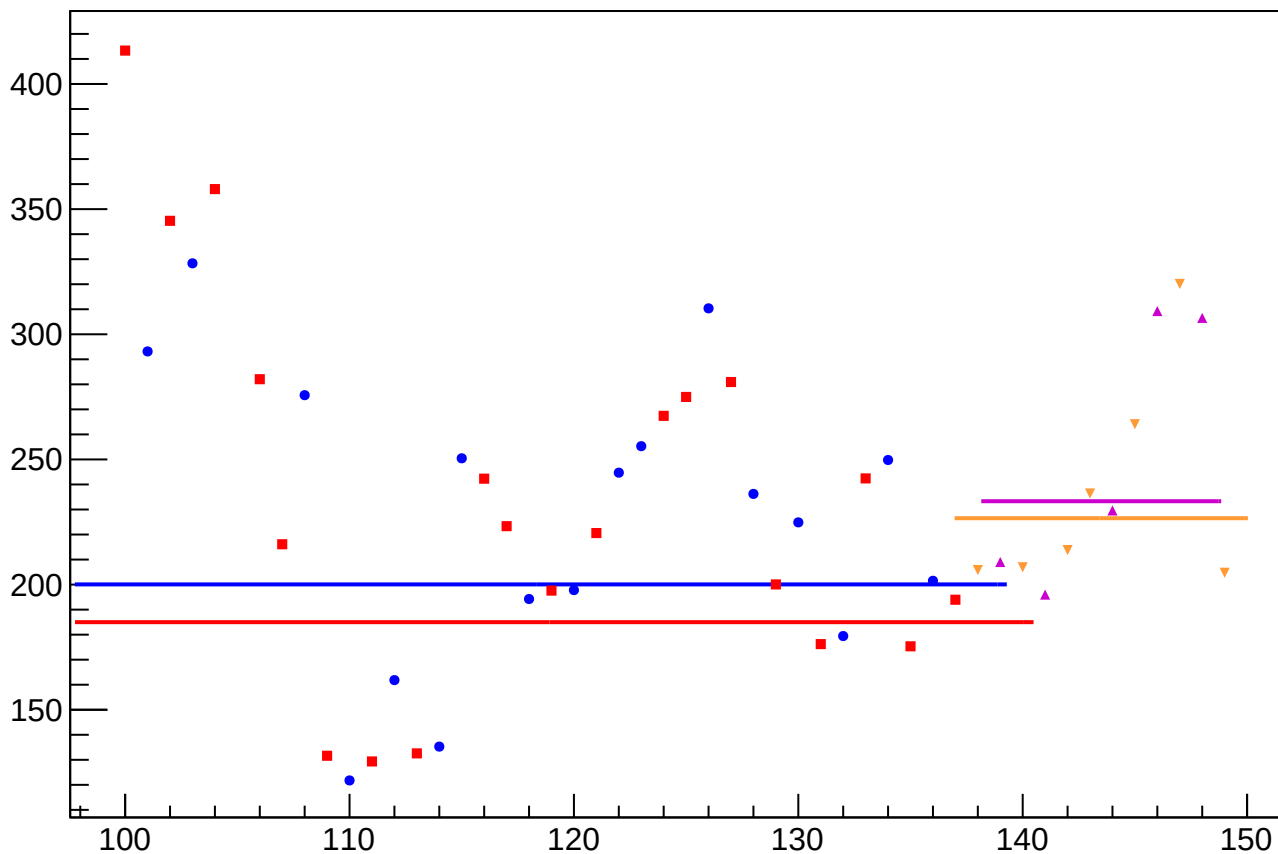
Right Out: 936.709+/-74.030 χ^2/NDF : 610.9/19

Left In: 524.051+/-119.816 χ^2/NDF : 22.1/4

759.288+/-64.014 χ^2/NDF : 1124.5/23

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: 226.516+/-0.073 χ^2/NDF : 213965.3/6

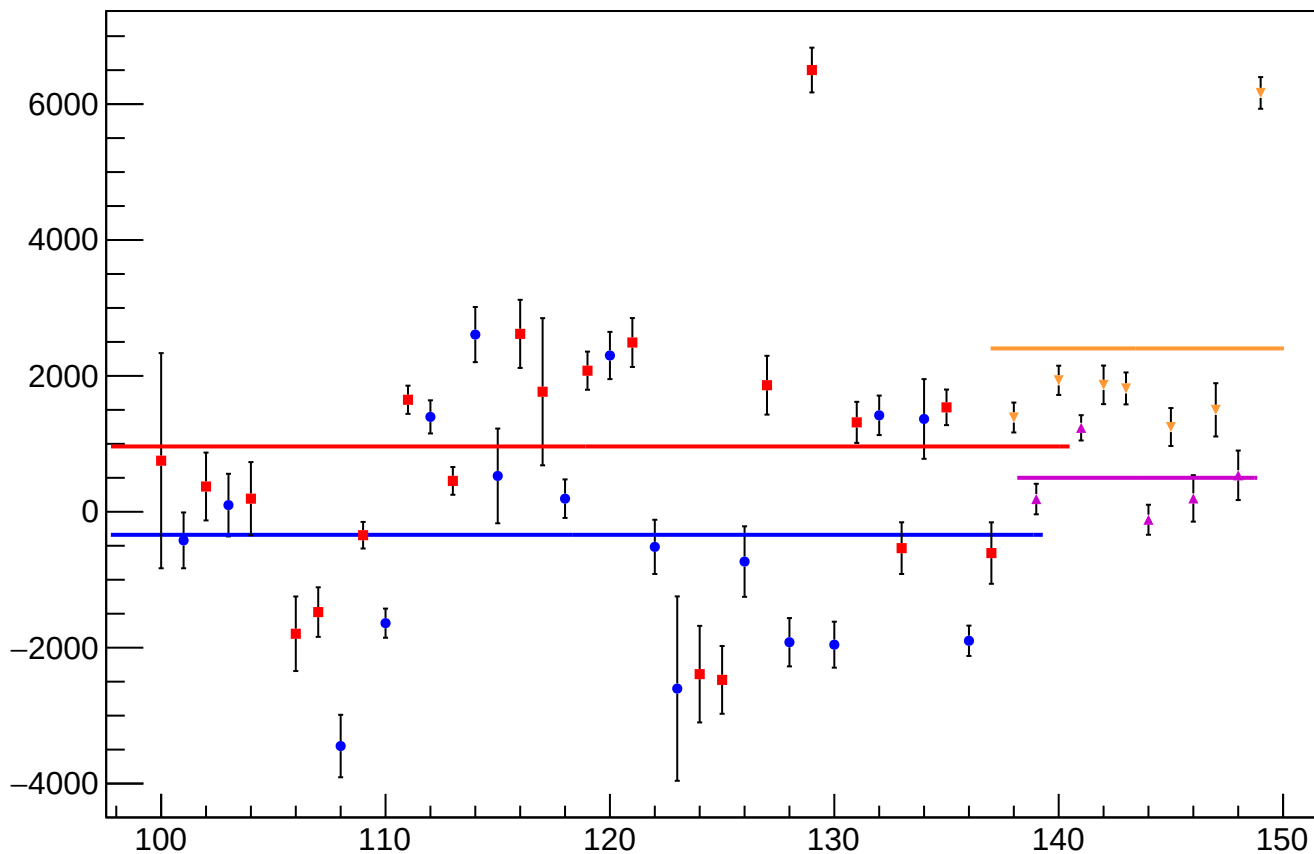
210.164+/-0.045 χ^2/NDF : 1212766.8/23

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: 2404.196 ± 95.158 χ^2/NDF : 318.2/6

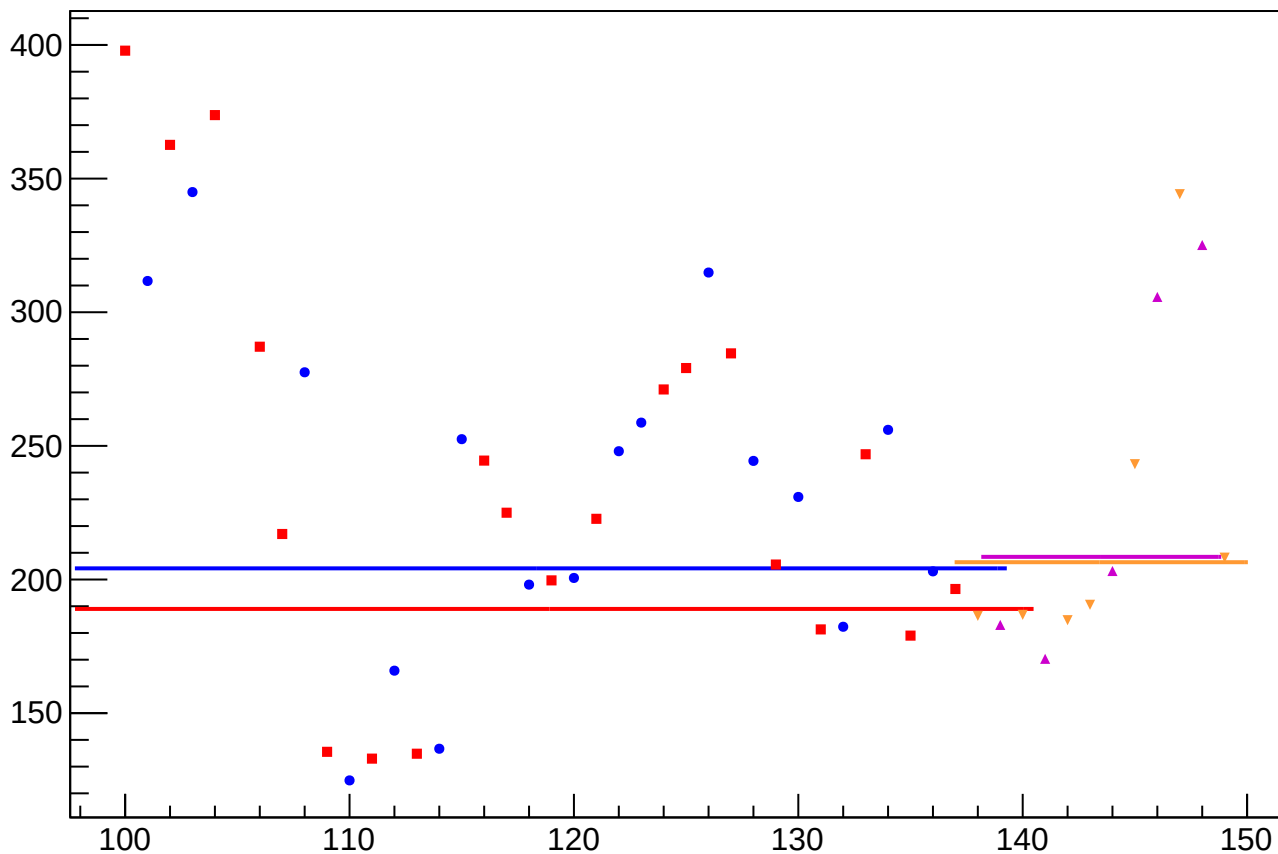
Right Out: 961.556 ± 75.564 χ^2/NDF : 570.9/19

Left In: 500.227 ± 108.311 χ^2/NDF : 26.1/4

848.266 ± 62.602 χ^2/NDF : 1179.0/23

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: 206.476+/-0.067 χ^2/NDF :335727.1/6

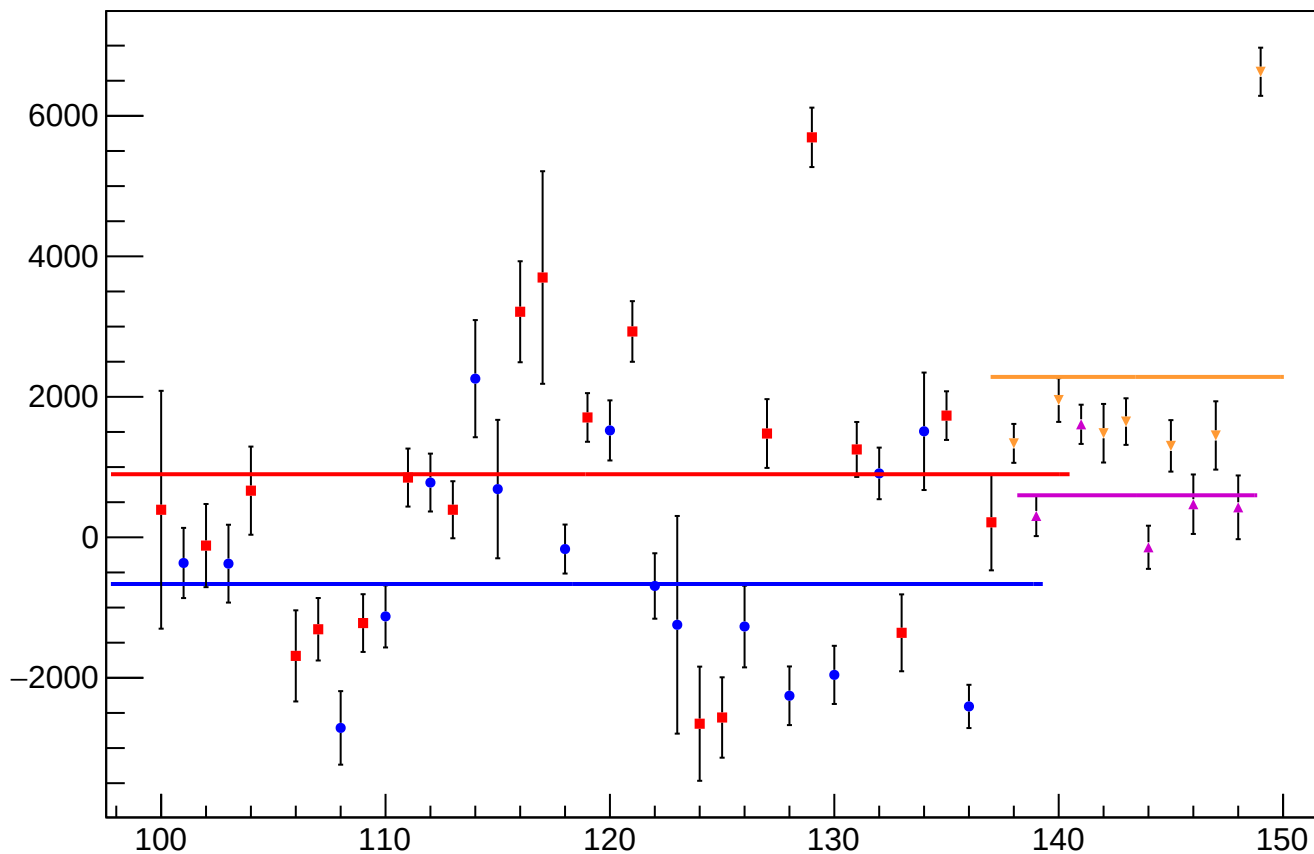
205.171+/-0.044 χ^2/NDF : 1283829.1/23

Right Out: 188.997+/-0.053 χ^2/NDF : 1317112.1/19

195.375+/-0.044 χ^2/NDF : 1838514.7/24

Left In: 208.480+/-0.077 χ^2/NDF :477876.6/4

asym_bpm0r03WS_mean vs Slug



Right In: -664.383+/-113.949 χ^2/NDF : 154.3/16

Left Out: 2283.652+/-130.897 χ^2/NDF :190.8/6

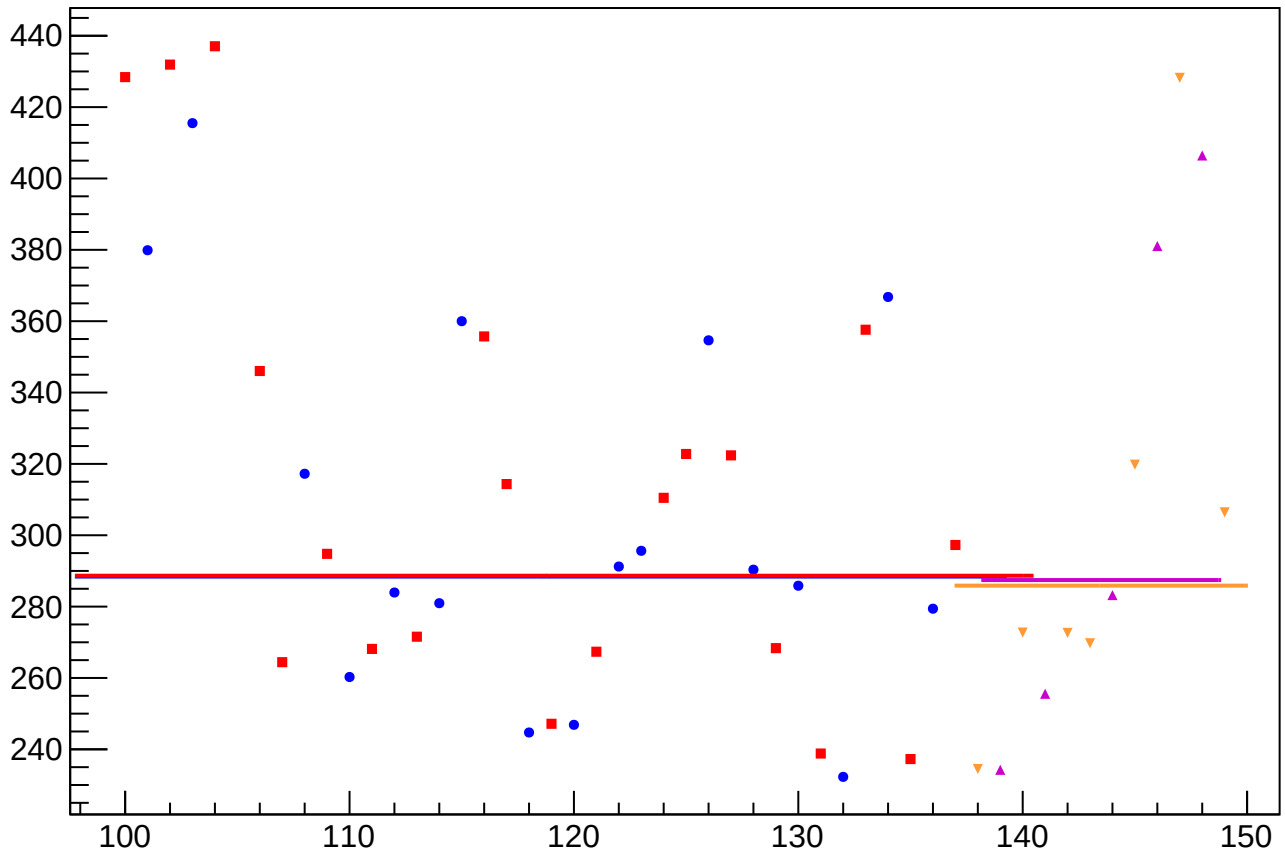
Right Out: 898.290+/-110.578 χ^2/NDF : 323.5/19

Left In: 598.587+/-147.411 χ^2/NDF :20.2/4

606.541+/-85.946 χ^2/NDF : 633.7/23

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: 285.880 ± 0.093 χ^2/NDF : 274747.7/6

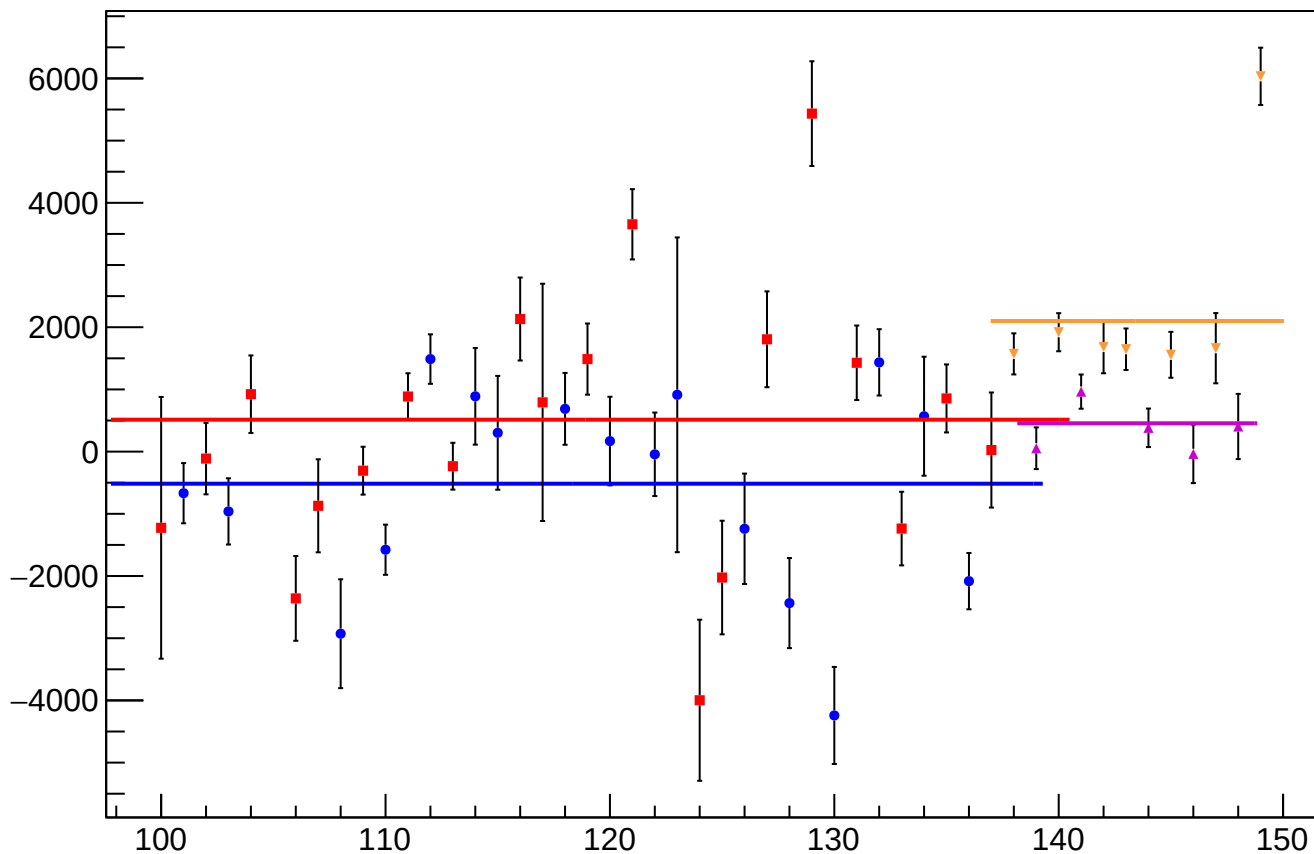
Right Out: 288.660 ± 0.078 χ^2/NDF : 455989.7/19

Left In: 287.445 ± 0.104 χ^2/NDF : 330619.4/4

287.330 ± 0.061 χ^2/NDF : 614998.9/23

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: 2099.586 ± 141.963 χ^2/NDF : 81.4/6

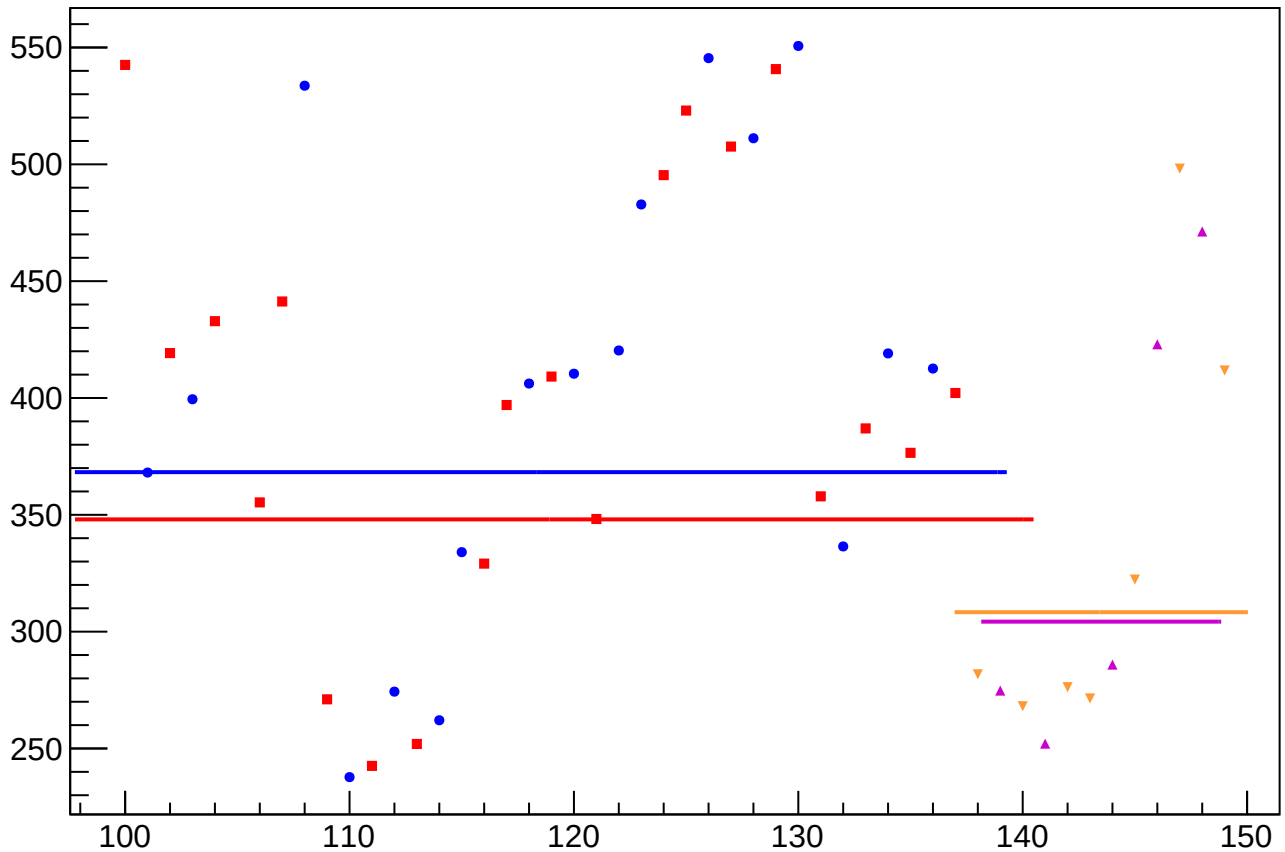
Right Out: 513.264 ± 135.456 χ^2/NDF : 141.3/19

Left In: 455.370 ± 156.808 χ^2/NDF : 6.0/4

840.320 ± 102.226 χ^2/NDF : 352.9/23

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: 308.342+/-0.100 χ^2/NDF : 413307.2/6

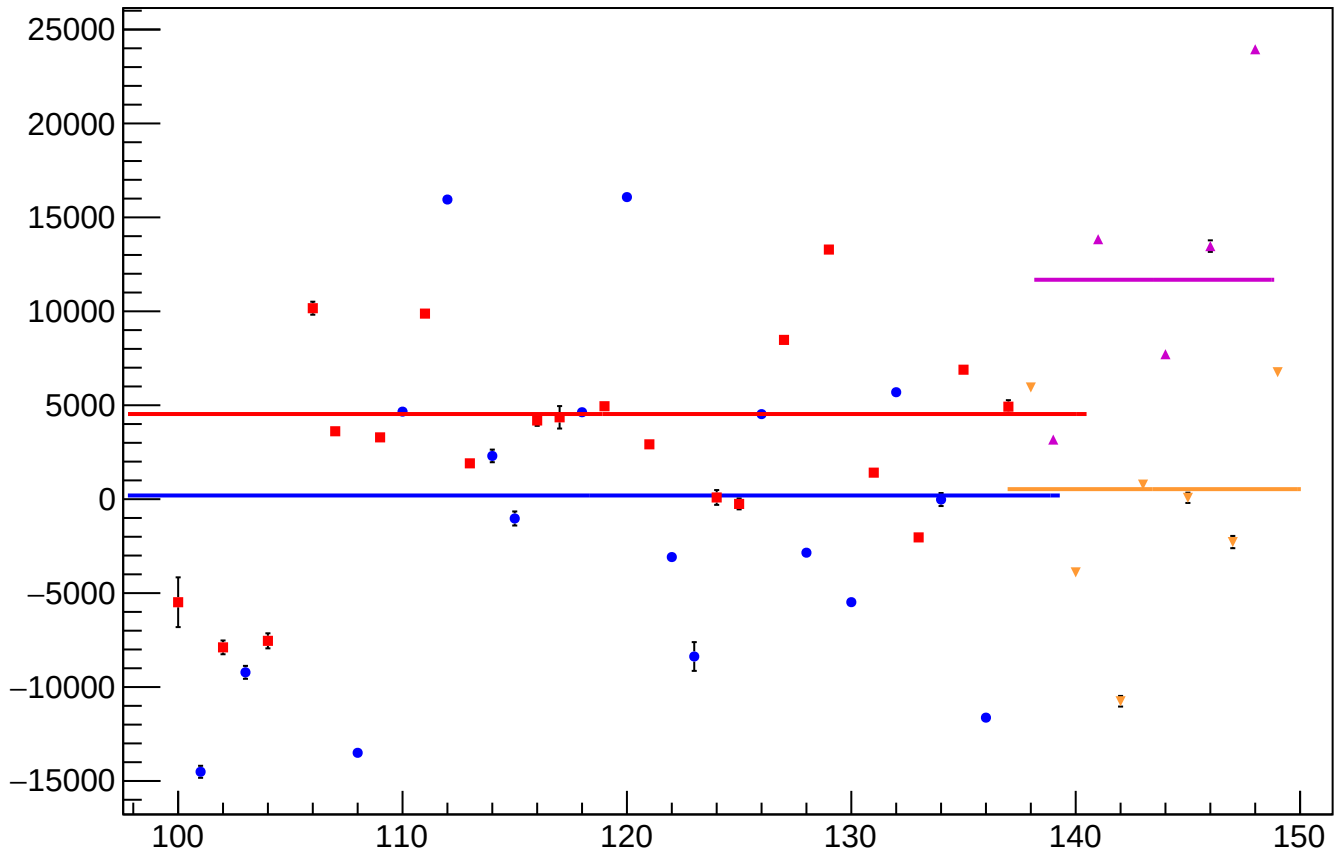
Right Out: 348.050+/-0.096 χ^2/NDF : 823186.4/19

Left In: 304.284+/-0.111 χ^2/NDF : 424525.0/4

337.193+/-0.072 χ^2/NDF : 1354984.9/23

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: 534.777+/-91.505 χ^2/NDF : 3593.6/6

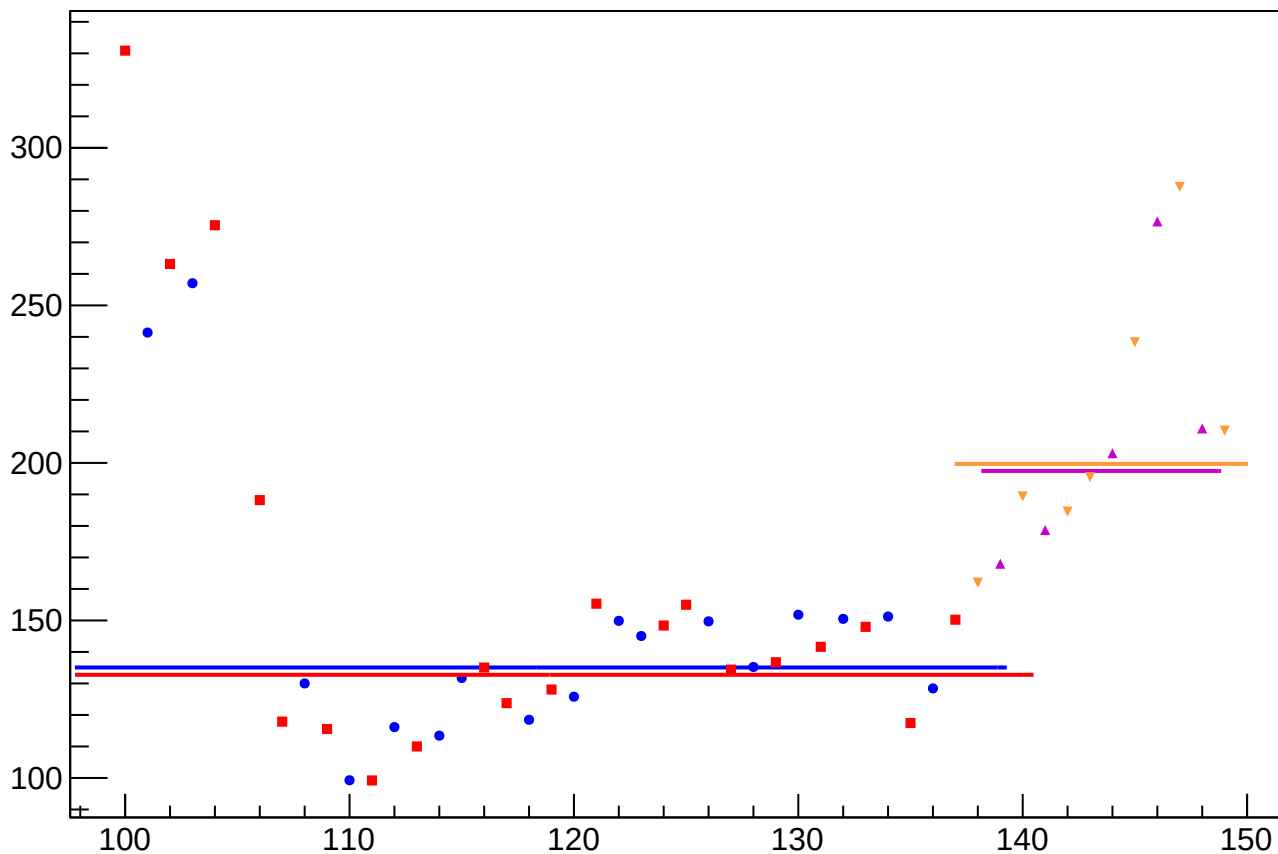
Right Out: 4532.856+/-52.261 χ^2/NDF : 7477.3/19

Left In: 11679.907+/-101.222 χ^2/NDF : 4704.0/4

286.167+/-47.013 χ^2/NDF : 34261.9/23

6037.055+/-46.437 χ^2/NDF : 16117.5/24

asym_bpm0i02WS_rms vs Slug



Right In: 135.072+/-0.039 χ^2/NDF : 658703.5/16

Left Out: 199.686+/-0.065 χ^2/NDF : 278513.3/6

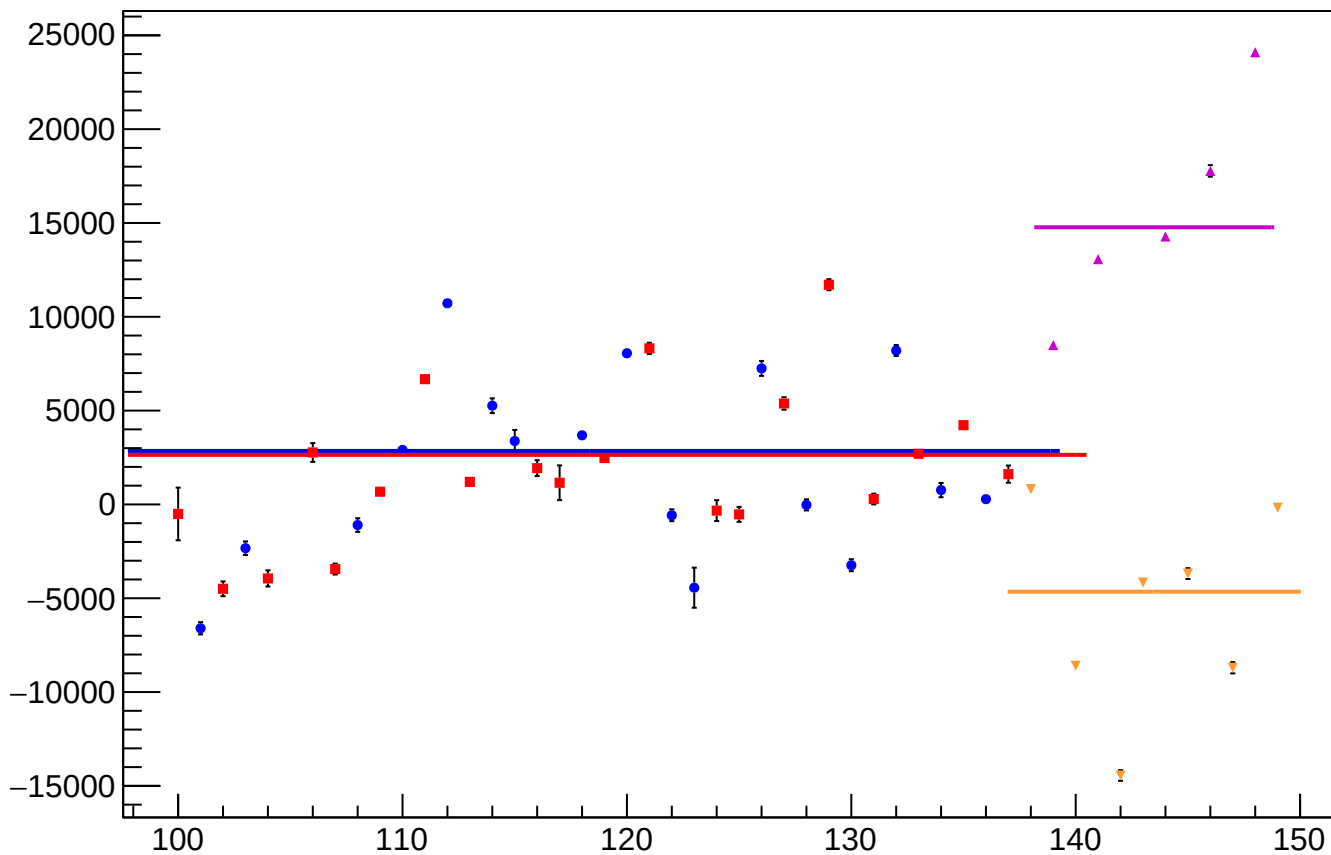
Right Out: 132.747+/-0.037 χ^2/NDF : 831647.2/19

Left In: 197.445+/-0.072 χ^2/NDF : 199494.8/4

152.128+/-0.033 χ^2/NDF : 1671221.3/23

146.364+/-0.033 χ^2/NDF : 1676245.1/24

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437 $\pm$ 70.753 χ^2 /NDF: 4178.1/16

Left Out: -4649.754 $\pm$ 91.699 χ^2 /NDF:2844.6/6

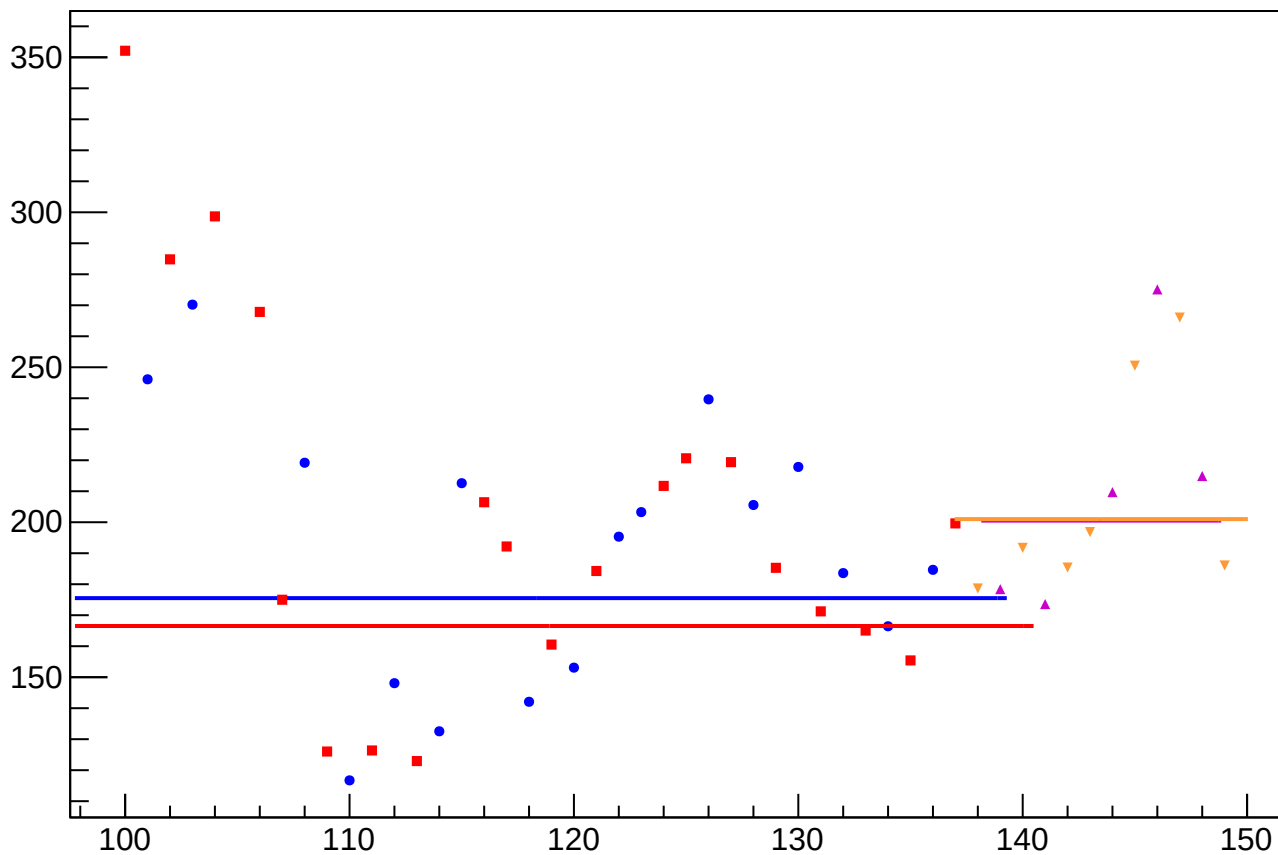
Right Out: 2641.642 $\pm$ 65.566 χ^2 /NDF: 3178.3/19

Left In: 14771.665 $\pm$ 102.383 χ^2 /NDF:2463.3/4

52.174 $\pm$ 56.017 χ^2 /NDF: 11217.3/23

6169.473 $\pm$ 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: 201.008+/-0.065 χ^2/NDF :195118.2/6

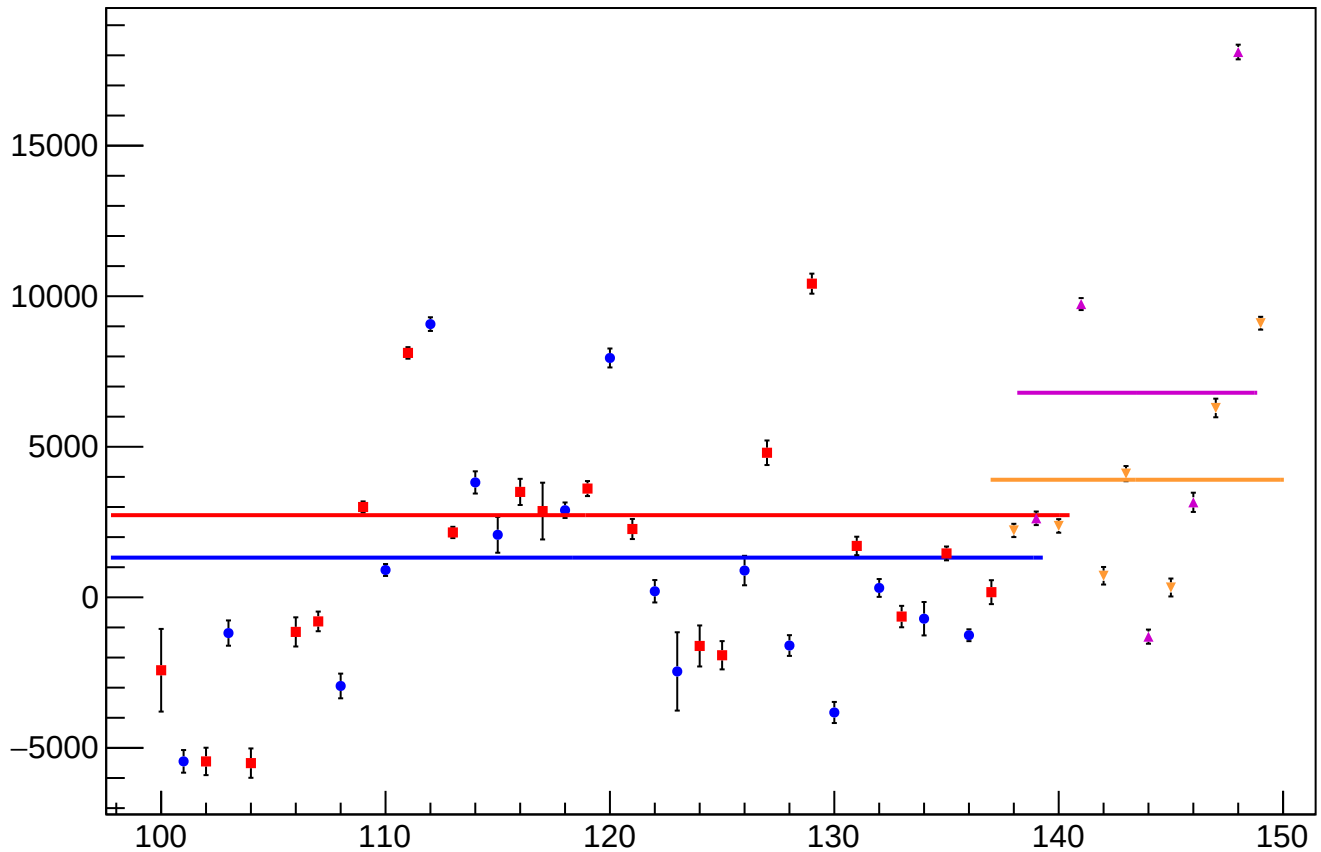
Right Out: 166.522+/-0.046 χ^2/NDF : 931079.9/19

Left In: 200.520+/-0.072 χ^2/NDF :189093.7/4

185.028+/-0.040 χ^2/NDF : 981661.9/23

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: 3905.031 ± 94.709 χ^2/NDF : 1023.6/6

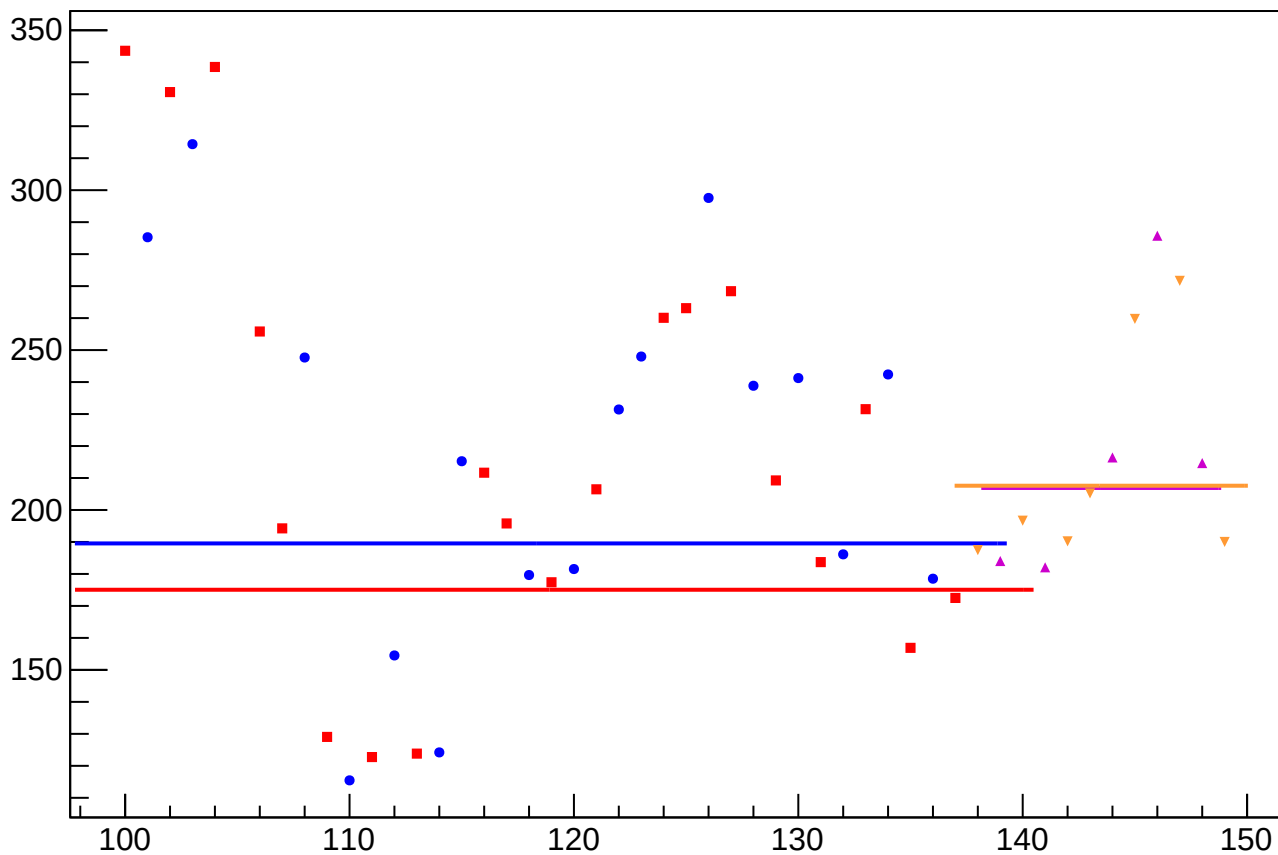
Right Out: 2728.550 ± 69.837 χ^2/NDF : 2495.9/19

Left In: 6794.275 ± 105.606 χ^2/NDF : 4032.2/4

2350.463 ± 59.814 χ^2/NDF : 4138.8/23

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: 207.587+/-0.067 χ^2/NDF : 189657.2/6

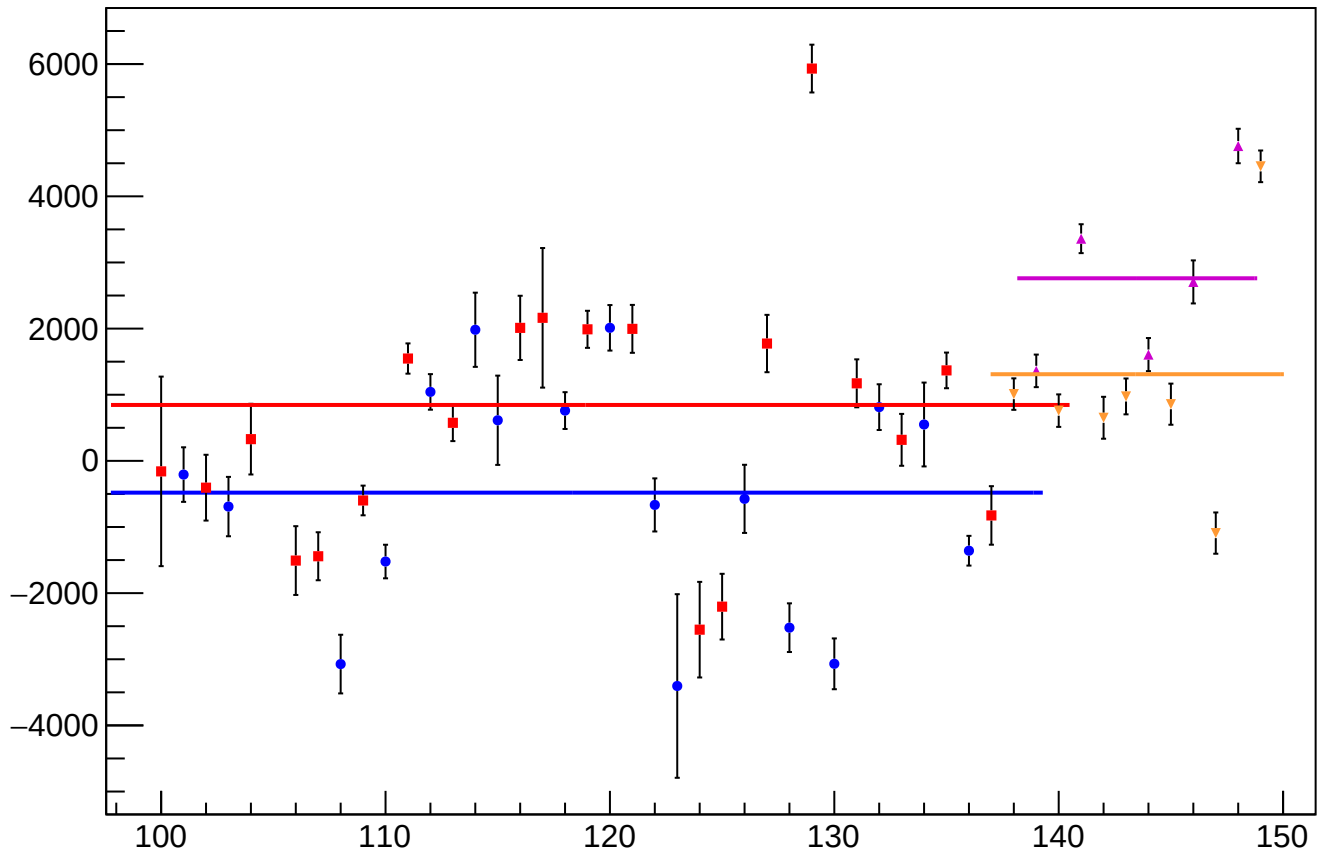
Right Out: 175.058+/-0.049 χ^2/NDF : 1298079.7/19

Left In: 206.884+/-0.075 χ^2/NDF : 178815.1/4

196.741+/-0.042 χ^2/NDF : 1214035.9/23

184.741+/-0.041 χ^2/NDF : 1603270.8/24

asym_bpm0i07WS_mean vs Slug



Right In: -480.578+/-88.640 χ^2/NDF : 290.7/16

Left Out: 1310.206+/-102.150 χ^2/NDF : 246.4/6

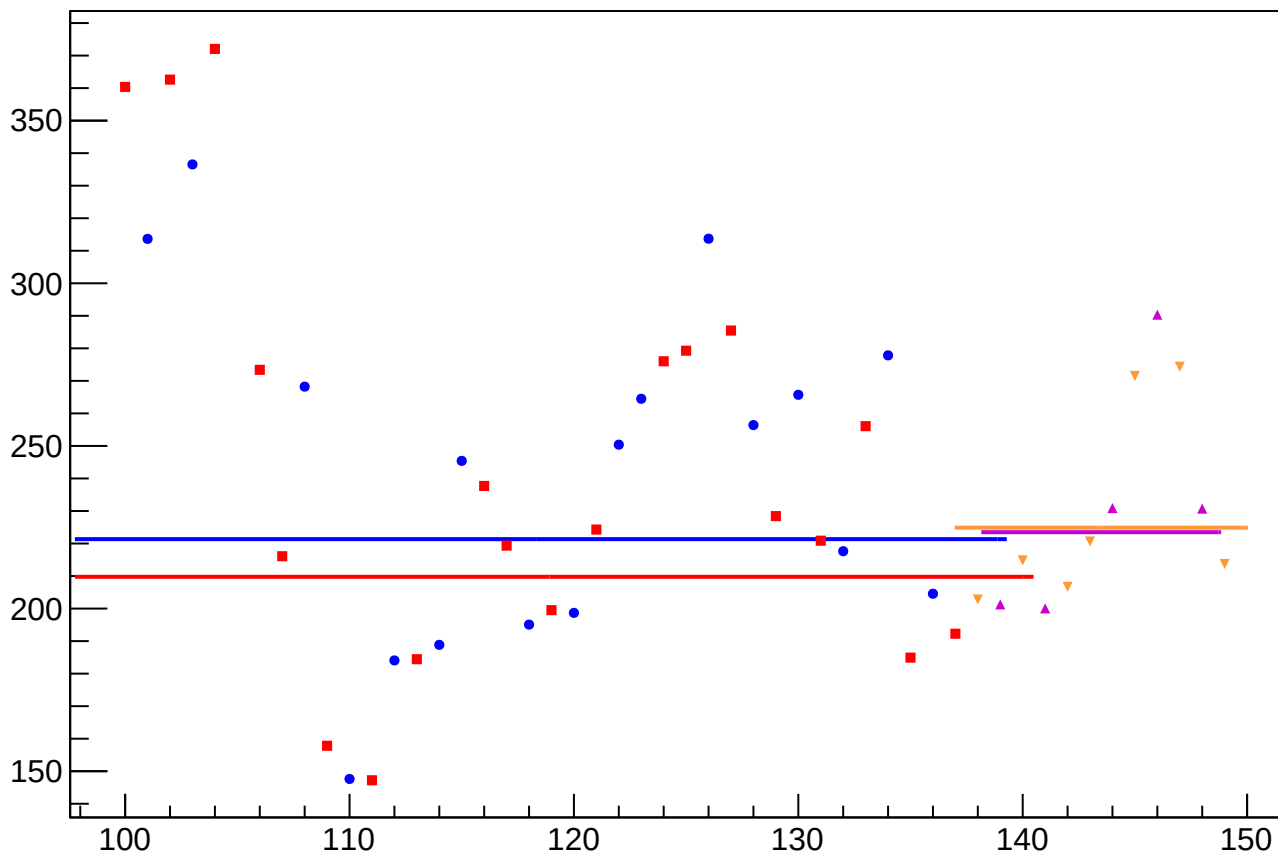
Right Out: 845.444+/-81.995 χ^2/NDF : 436.9/19

Left In: 2760.820+/-113.537 χ^2/NDF : 120.1/4

288.644+/-66.949 χ^2/NDF : 712.4/23

1501.989+/-66.472 χ^2/NDF : 744.0/24

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 224.873 $\pm$ 0.072 χ^2 /NDF:127286.3/6

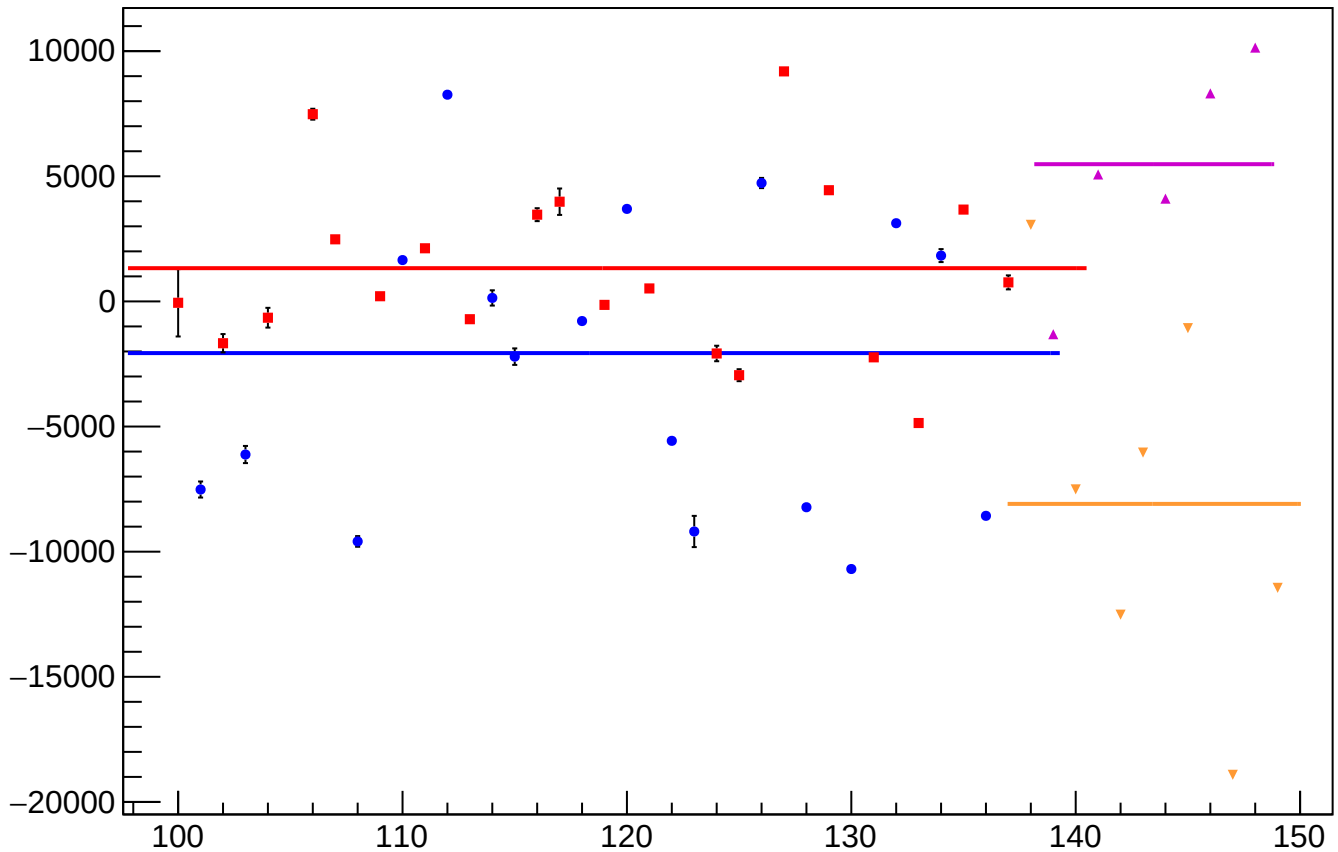
Right Out: 209.775 $\pm$ 0.058 χ^2 /NDF: 884083.7/19

Left In: 223.481 $\pm$ 0.080 χ^2 /NDF:126994.7/4

222.859 $\pm$ 0.047 χ^2 /NDF: 774337.3/23

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: -8091.079 ± 48.909 χ^2/NDF : 19866.3/6

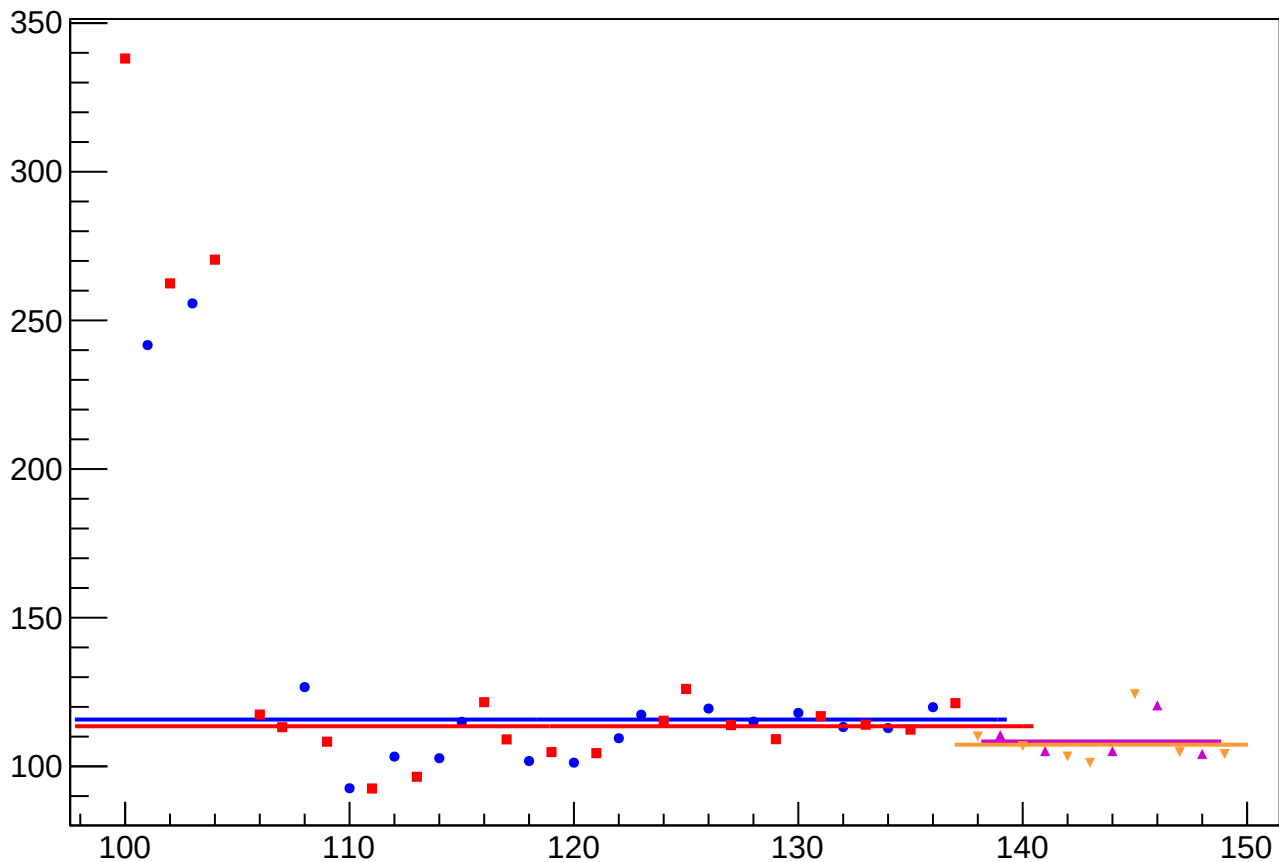
Right Out: 1327.819 ± 44.838 χ^2/NDF : 5919.9/19

Left In: 5483.061 ± 54.944 χ^2/NDF : 4644.3/4

-4978.771 ± 34.009 χ^2/NDF : 44239.7/23

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: 107.282 ± 0.035 χ^2/NDF : 37087.9/6

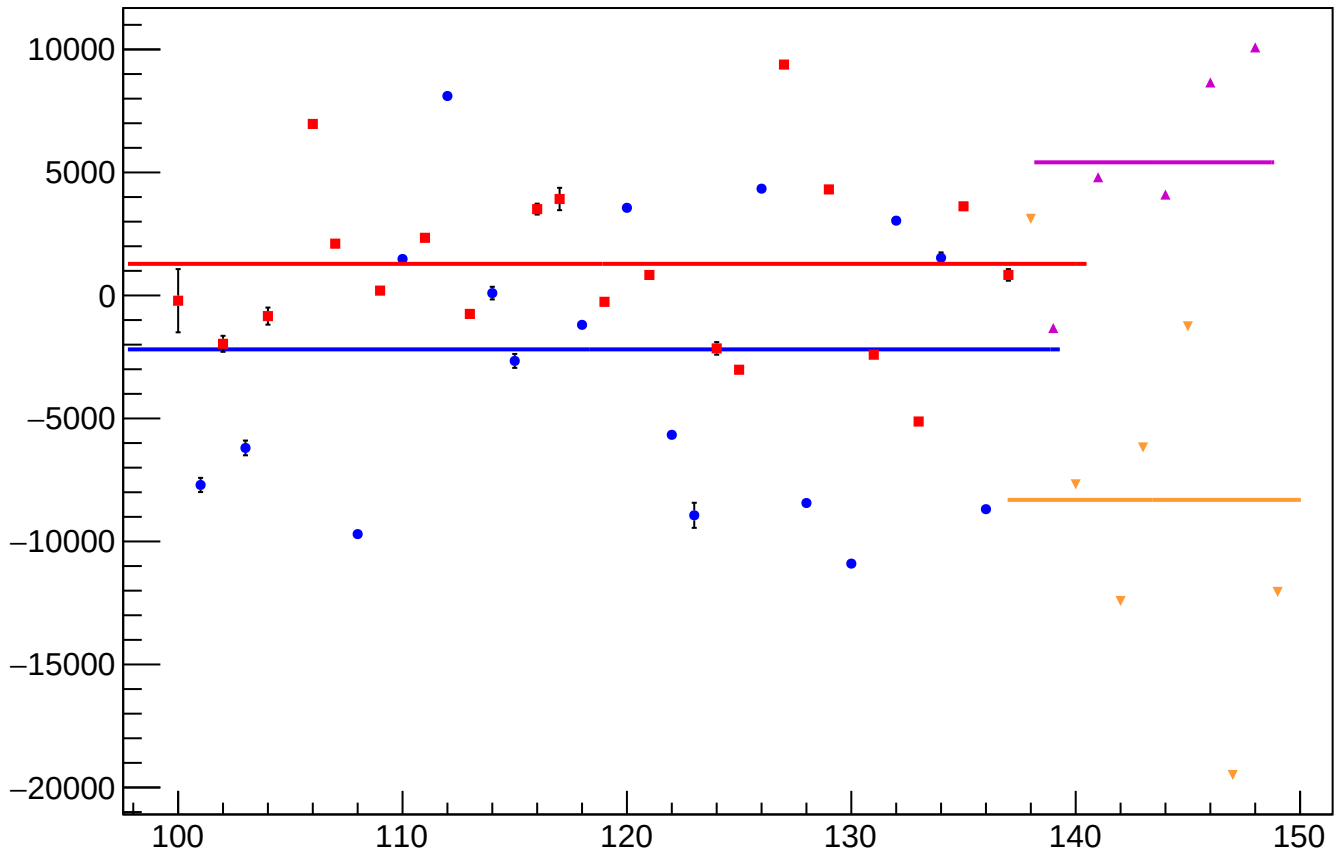
Right Out: 113.487 ± 0.032 χ^2/NDF : 796781.7/19

Left In: 108.354 ± 0.039 χ^2/NDF : 22355.1/4

111.651 ± 0.024 χ^2/NDF : 812000.9/23

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: -8310.142 ± 45.401 χ^2/NDF : 23755.9/6

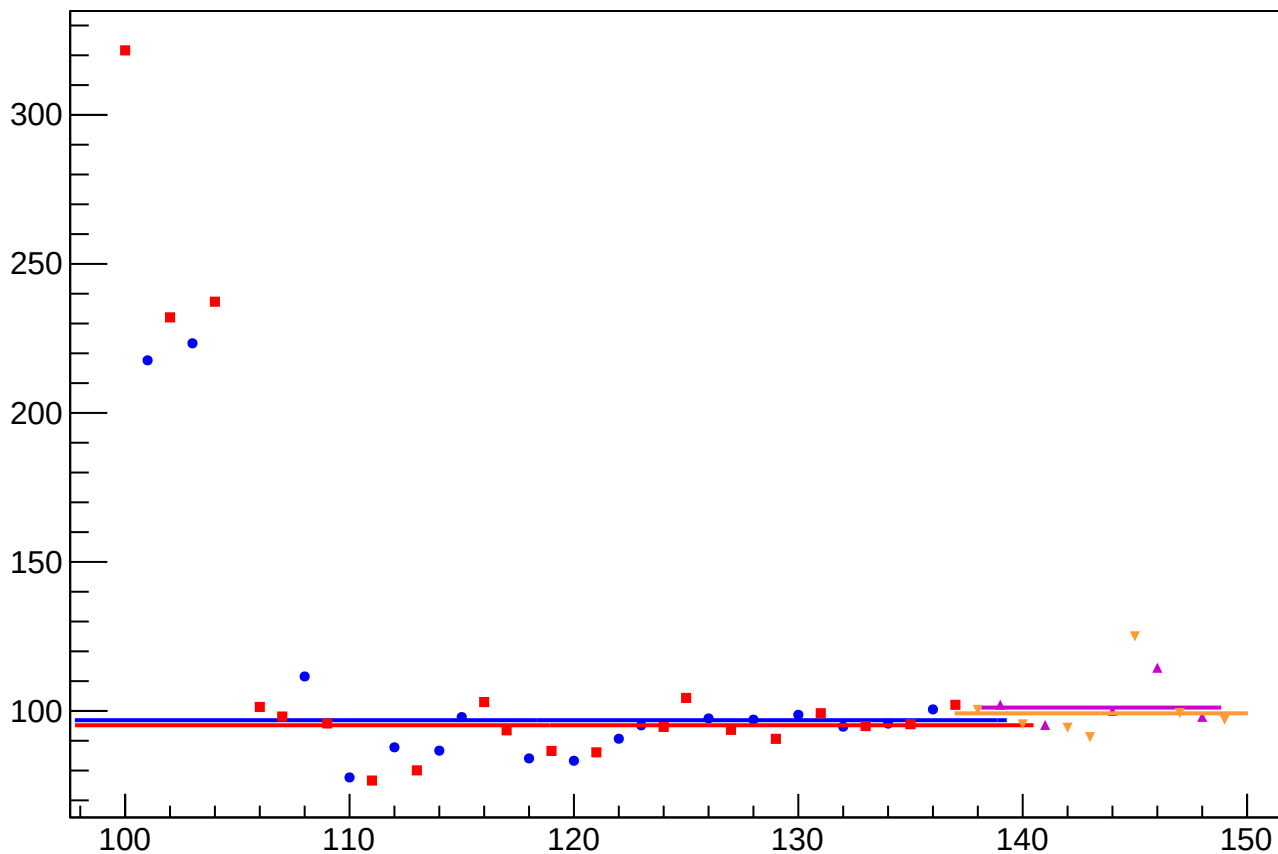
Right Out: 1284.692 ± 37.915 χ^2/NDF : 8584.4/19

Left In: 5411.042 ± 51.373 χ^2/NDF : 5444.8/4

-4861.643 ± 29.989 χ^2/NDF : 56804.6/23

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: 99.196 $\pm$ 0.032 χ^2 /NDF: 78873.8/6

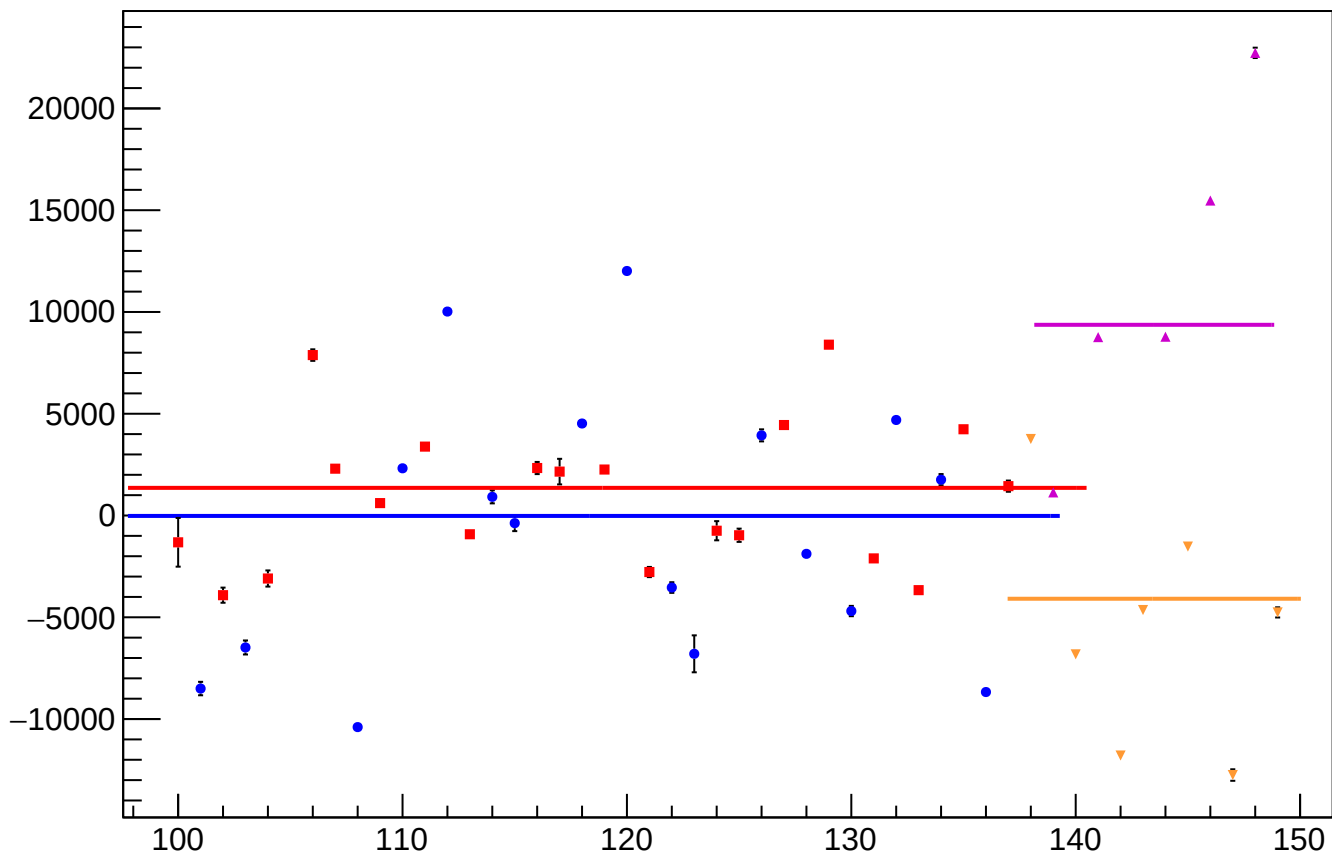
Right Out: 95.201 $\pm$ 0.027 χ^2 /NDF: 859838.2/19

Left In: 101.128 $\pm$ 0.036 χ^2 /NDF: 29853.1/4

97.898 $\pm$ 0.021 χ^2 /NDF: 899002.3/23

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: -4089.082 ± 75.715 χ^2/NDF : 4924.0/6

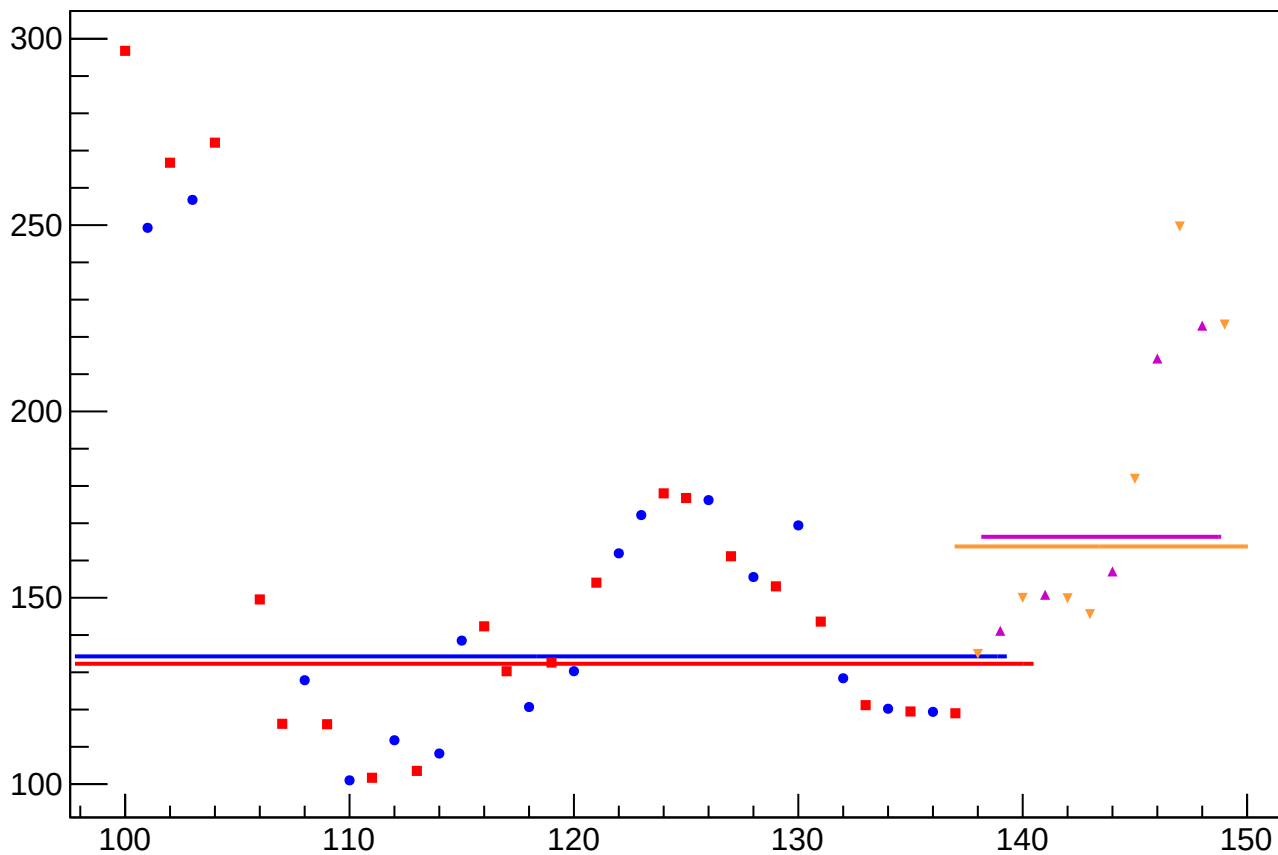
Right Out: 1359.001 ± 52.186 χ^2/NDF : 3838.8/19

Left In: 9369.501 ± 85.446 χ^2/NDF : 5682.2/4

-1413.548 ± 44.309 χ^2/NDF : 23184.1/23

3535.234 ± 44.537 χ^2/NDF : 15922.2/24

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 ± 0.039 $\chi^2/\text{NDF}: 788647.0/16$

Left Out: 163.770 ± 0.054 $\chi^2/\text{NDF}: 419687.2/6$

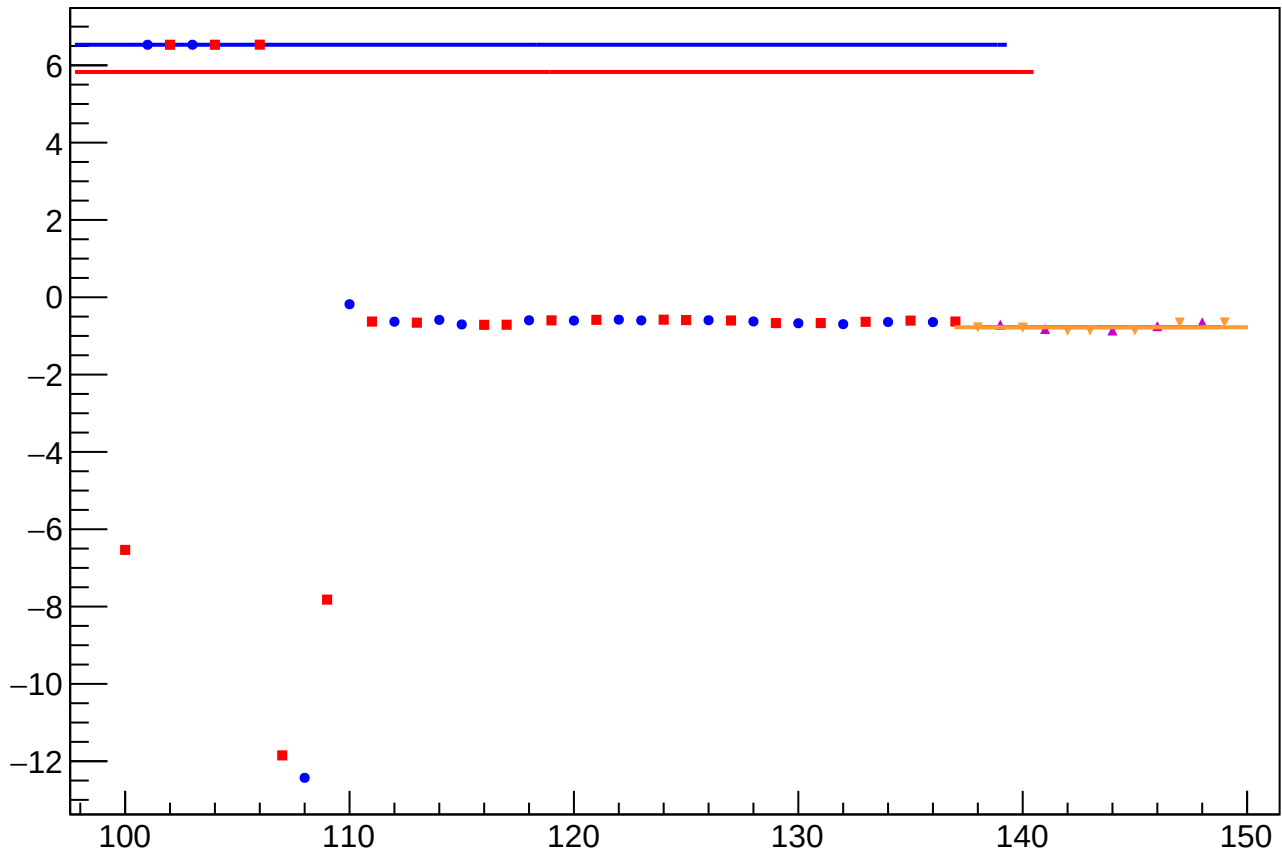
Right Out: 132.288 ± 0.037 $\chi^2/\text{NDF}: 869913.4/19$

Left In: 166.363 ± 0.060 $\chi^2/\text{NDF}: 245747.0/4$

144.371 ± 0.031 $\chi^2/\text{NDF}: 1407994.0/23$

141.545 ± 0.031 $\chi^2/\text{NDF}: 1347309.8/24$

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127906780672.7/16

Left Out: -0.776 $\pm$ 0.000 χ^2 /NDF: 41157637.9/6

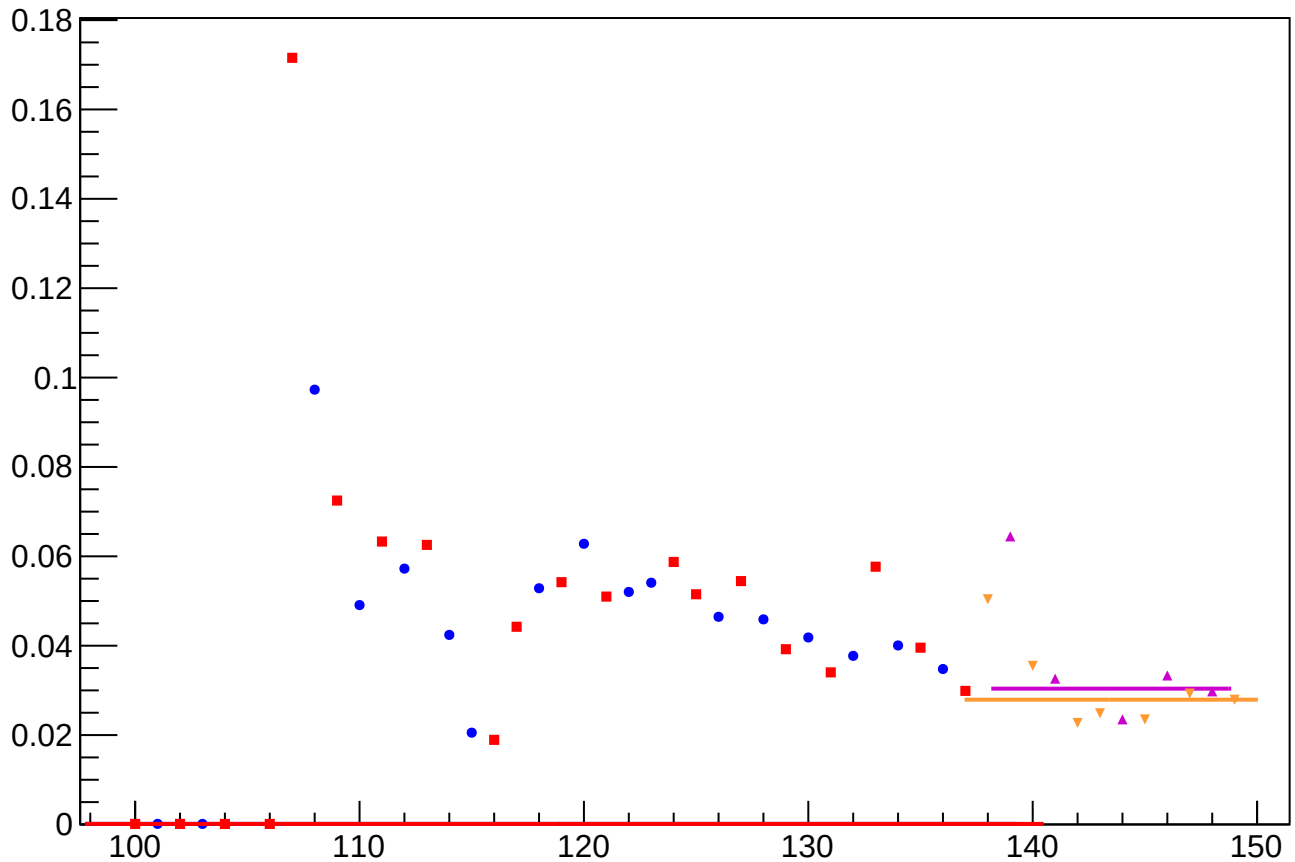
6.531 $\pm$ 0.000 χ^2 /NDF: 374383986607.9/23

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 :376527.7/6

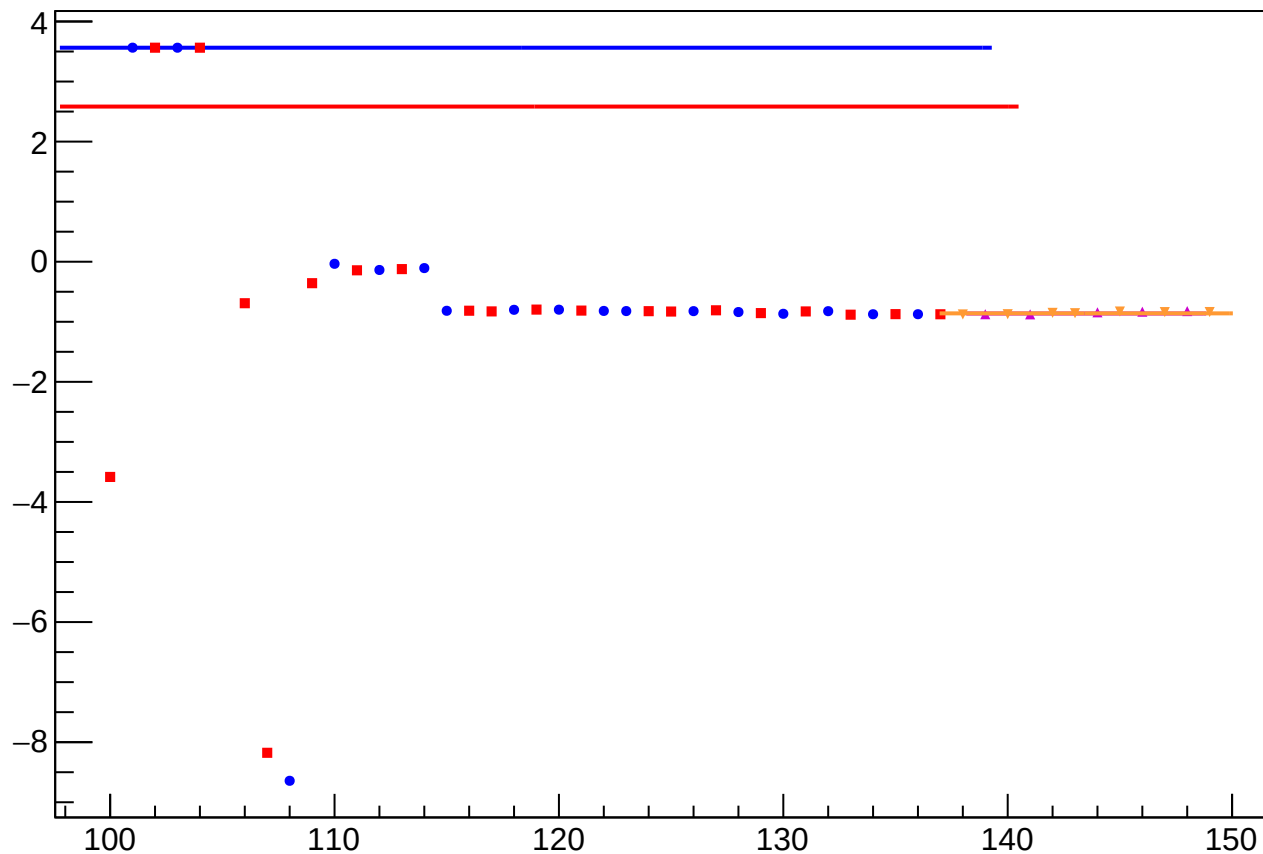
Right Out: 0.000+/-0.000 χ^2/NDF : 9453181.1/19

Left In: 0.030+/-0.000 χ^2/NDF :489365.8/4

0.000+/-0.000 χ^2/NDF : 16537484.8/23

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: -0.860+/-0.000 χ^2/NDF : 15061873.5/6

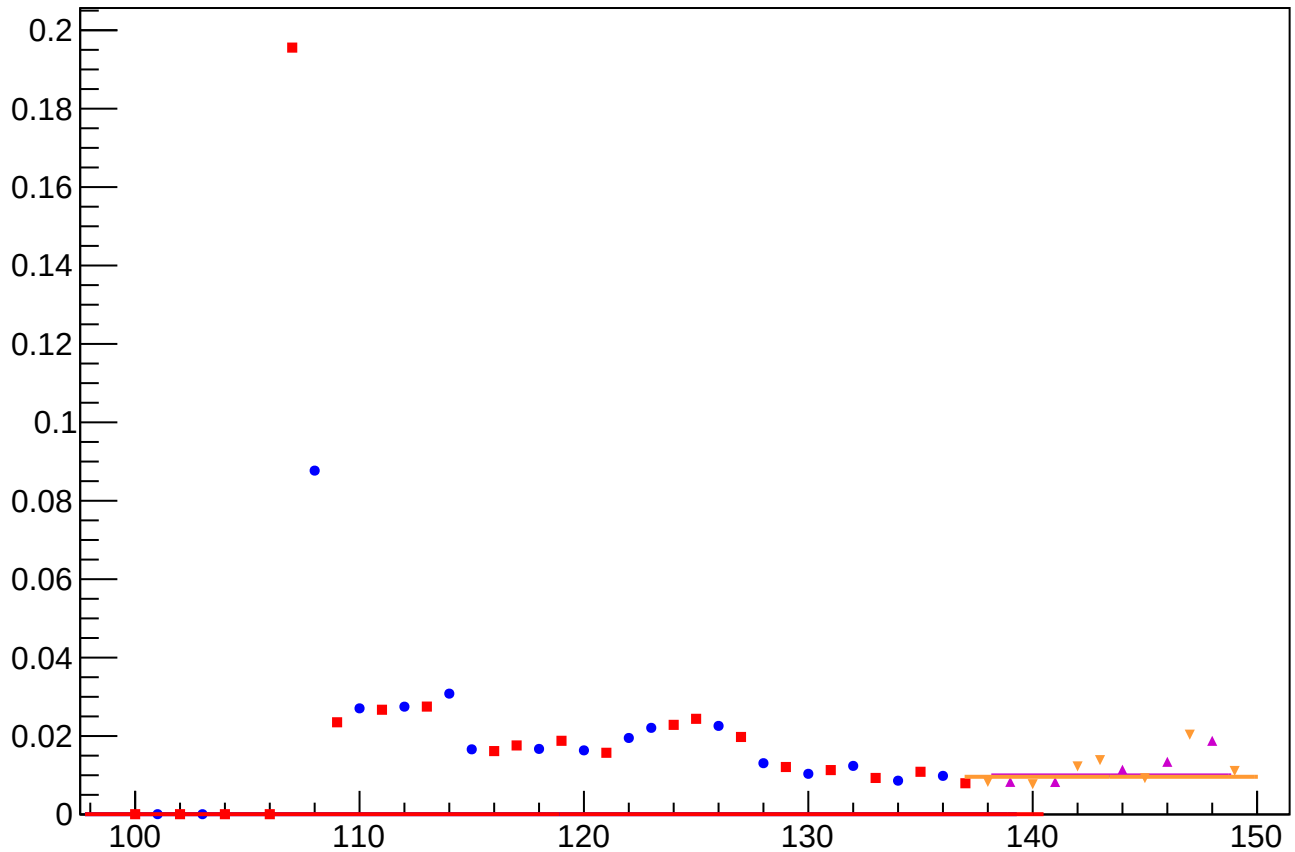
Right Out: 2.583+/-0.000 χ^2/NDF : 1253506756008351.0/19

Left In: -0.862+/-0.000 χ^2/NDF : 11651530.6/4

3.563+/-0.000 χ^2/NDF : 1275706643843.0/23

2.583+/-0.000 χ^2/NDF : 1253877322586192.0/23

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9848258.0/16

Left Out: 0.010+/-0.000 χ^2/NDF :637407.5/6

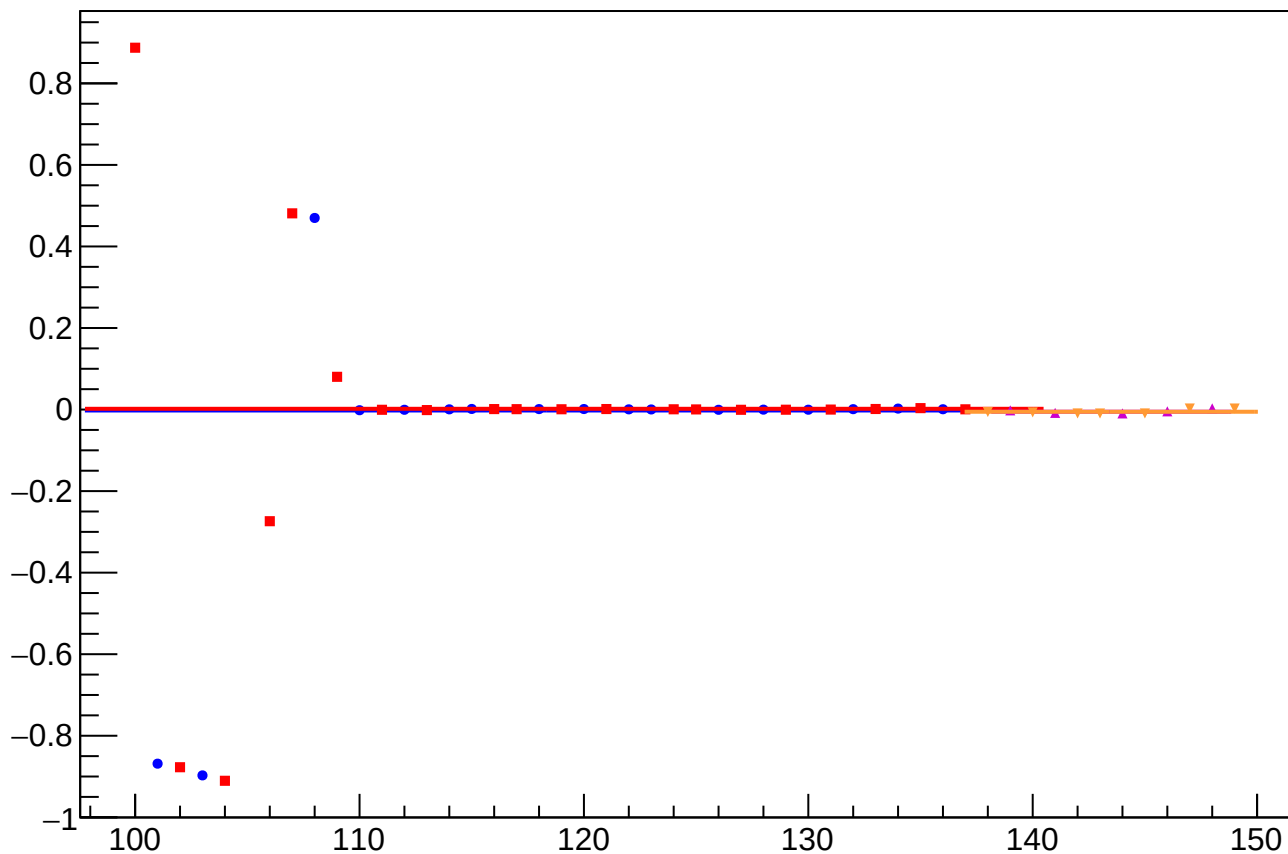
Right Out: 0.000+/-0.000 χ^2/NDF : 9955781.5/19

Left In: 0.010+/-0.000 χ^2/NDF :515671.0/4

0.000+/-0.000 χ^2/NDF : 17822081.3/23

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: -0.005+/-0.000 χ^2/NDF : 47458202.3/6

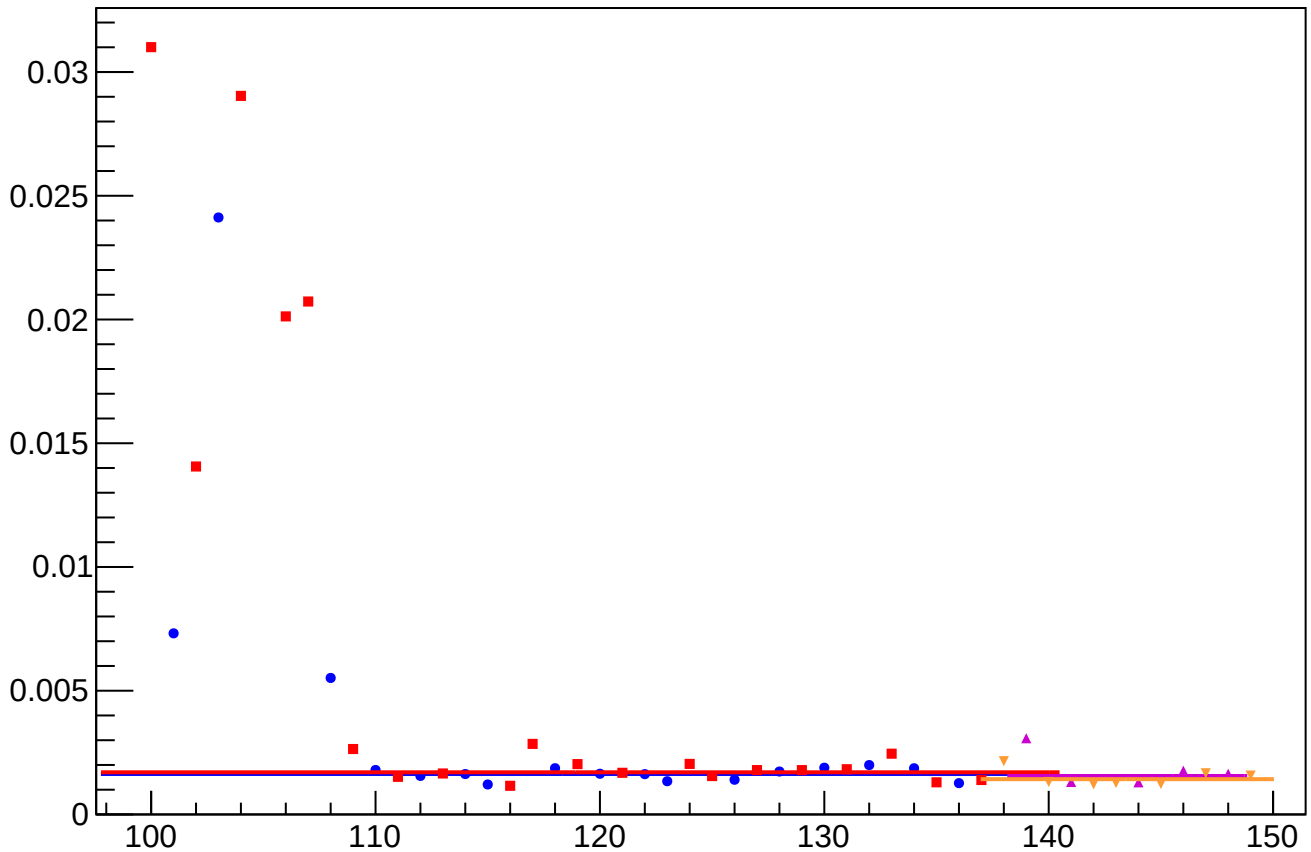
Right Out: 0.002+/-0.000 χ^2/NDF : 3041335141.0/19

Left In: -0.005+/-0.000 χ^2/NDF : 26604178.3/4

-0.004+/-0.000 χ^2/NDF : 9851250868.6/23

-0.001+/-0.000 χ^2/NDF : 3103416510.7/24

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1919127.9/16

Left Out: 0.001+/-0.000 χ^2/NDF : 239297.3/6

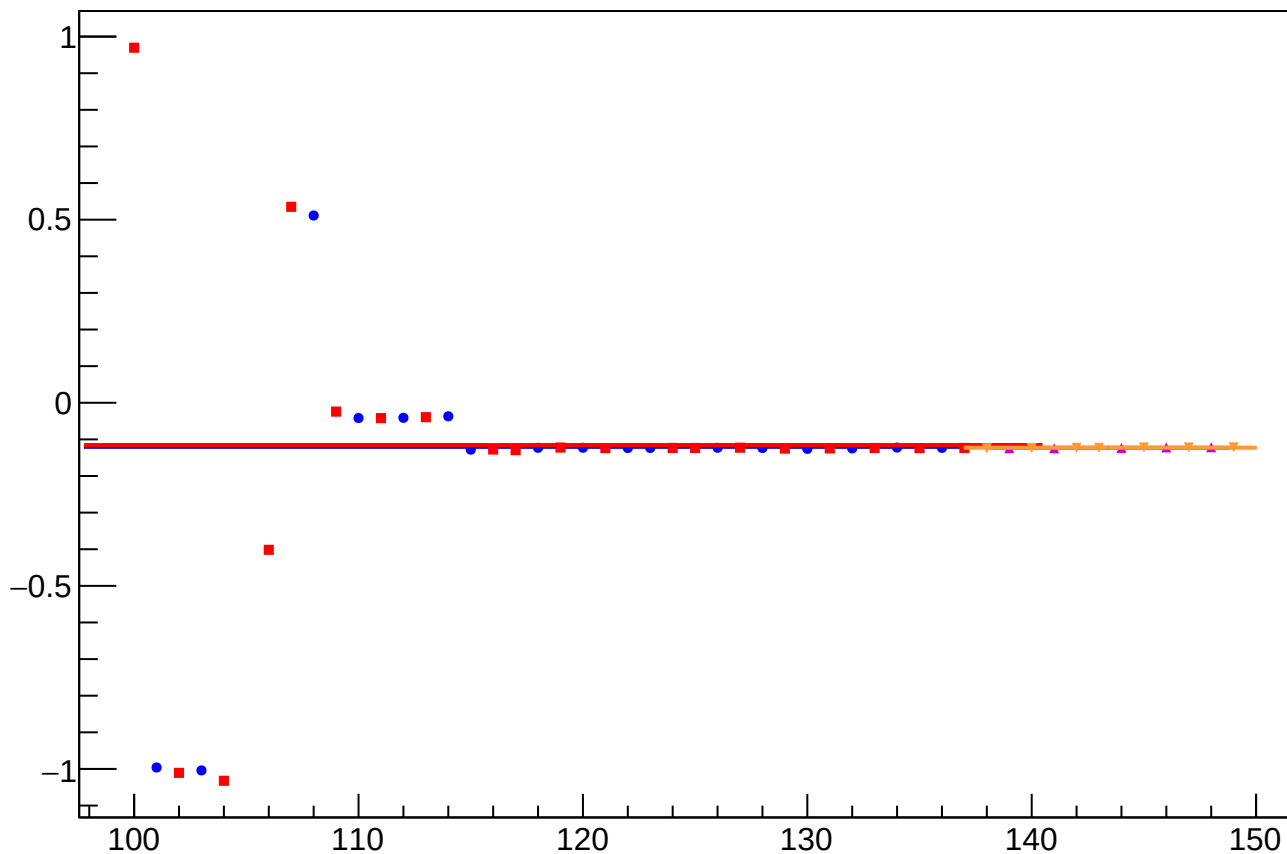
Right Out: 0.002+/-0.000 χ^2/NDF : 3038397.4/19

Left In: 0.002+/-0.000 χ^2/NDF : 441703.8/4

0.002+/-0.000 χ^2/NDF : 2234983.4/23

0.002+/-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 : 2750361.0/6

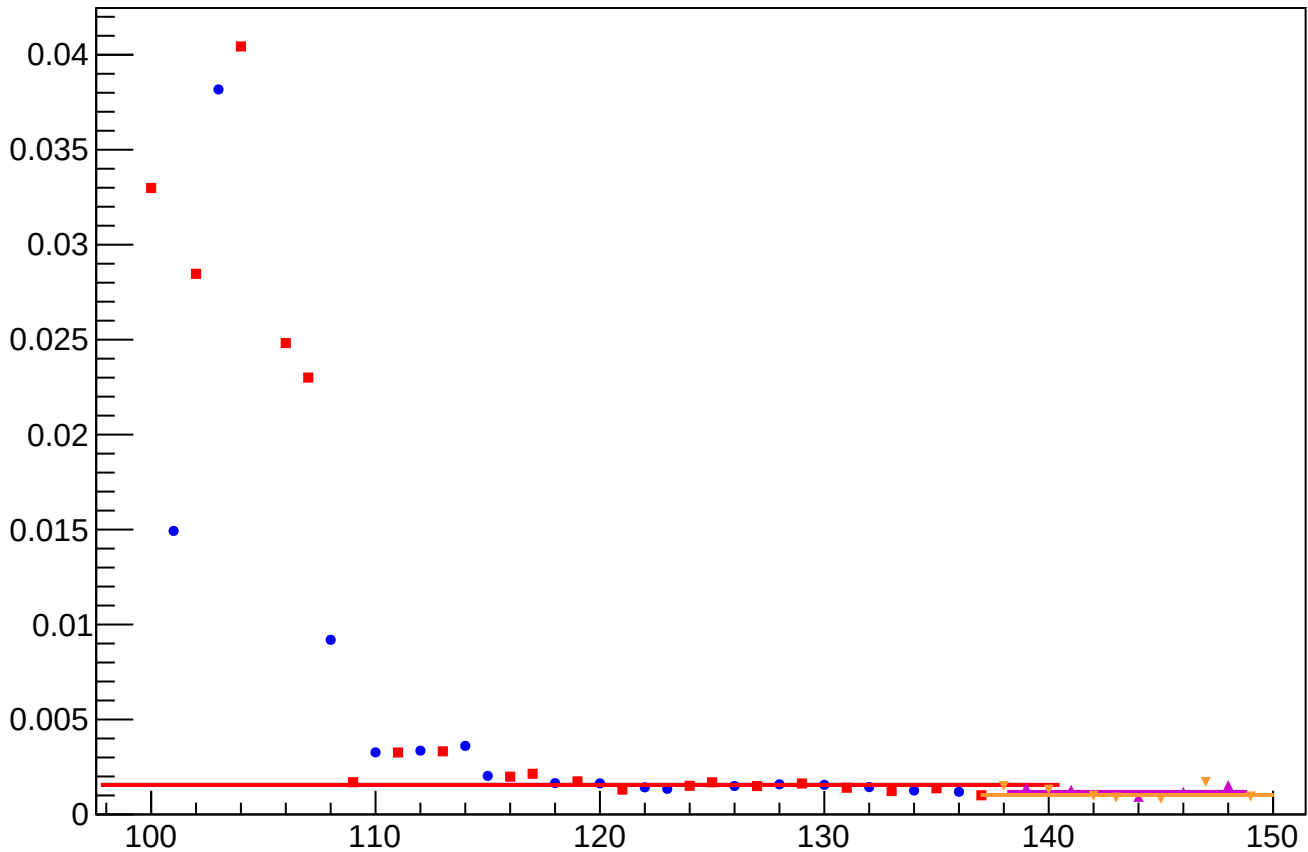
Right Out: -0.115+/-0.000 χ^2/NDF : 2458720596.9/19

Left In: -0.123+/-0.000 χ^2/NDF : 2211934.3/4

-0.122+/-0.000 χ^2/NDF : 3941860031.4/23

-0.120+/-0.000 χ^2/NDF : 2520807585.1/24

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 :558617.8/6

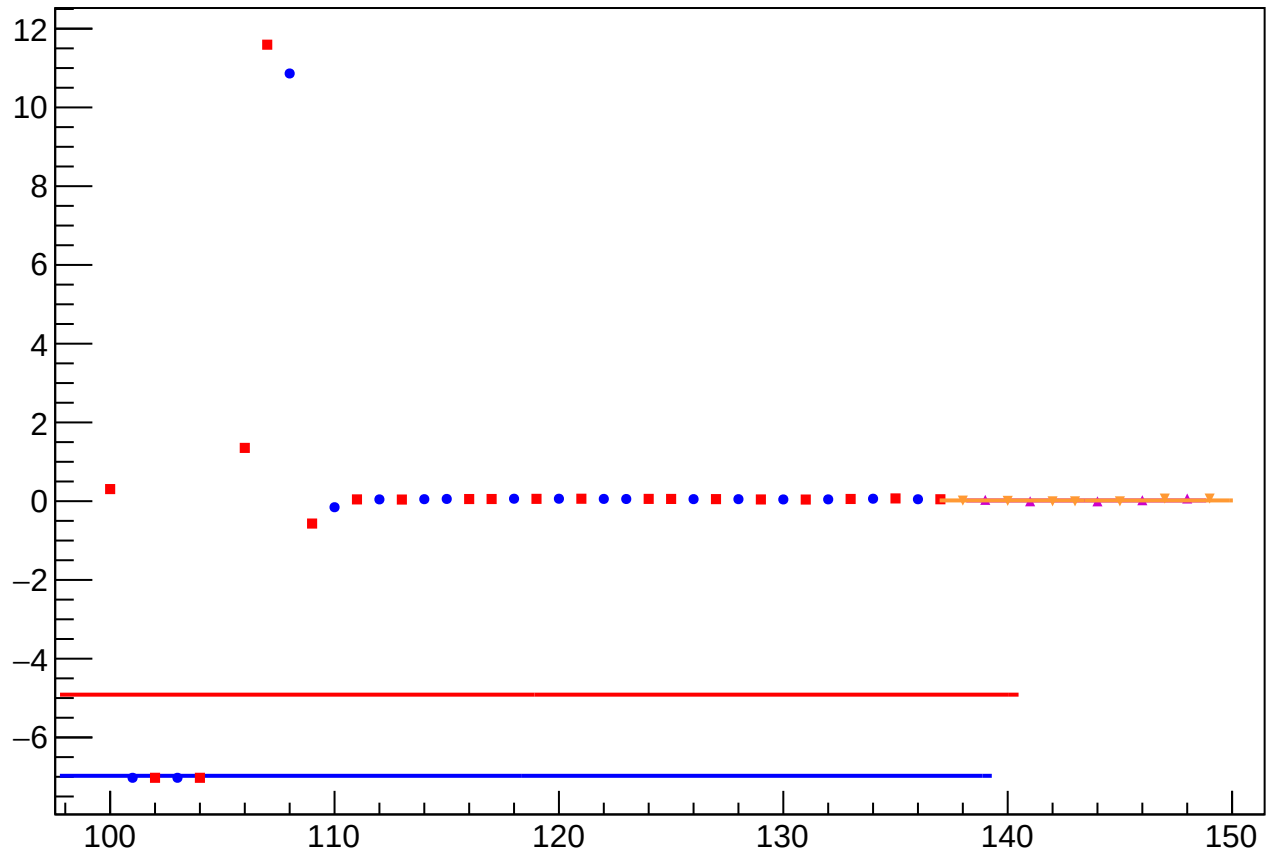
0.001+/-0.000 χ^2/NDF : 4196855.1/23

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: 0.019+/-0.000 χ^2/NDF : 47093069.6/6

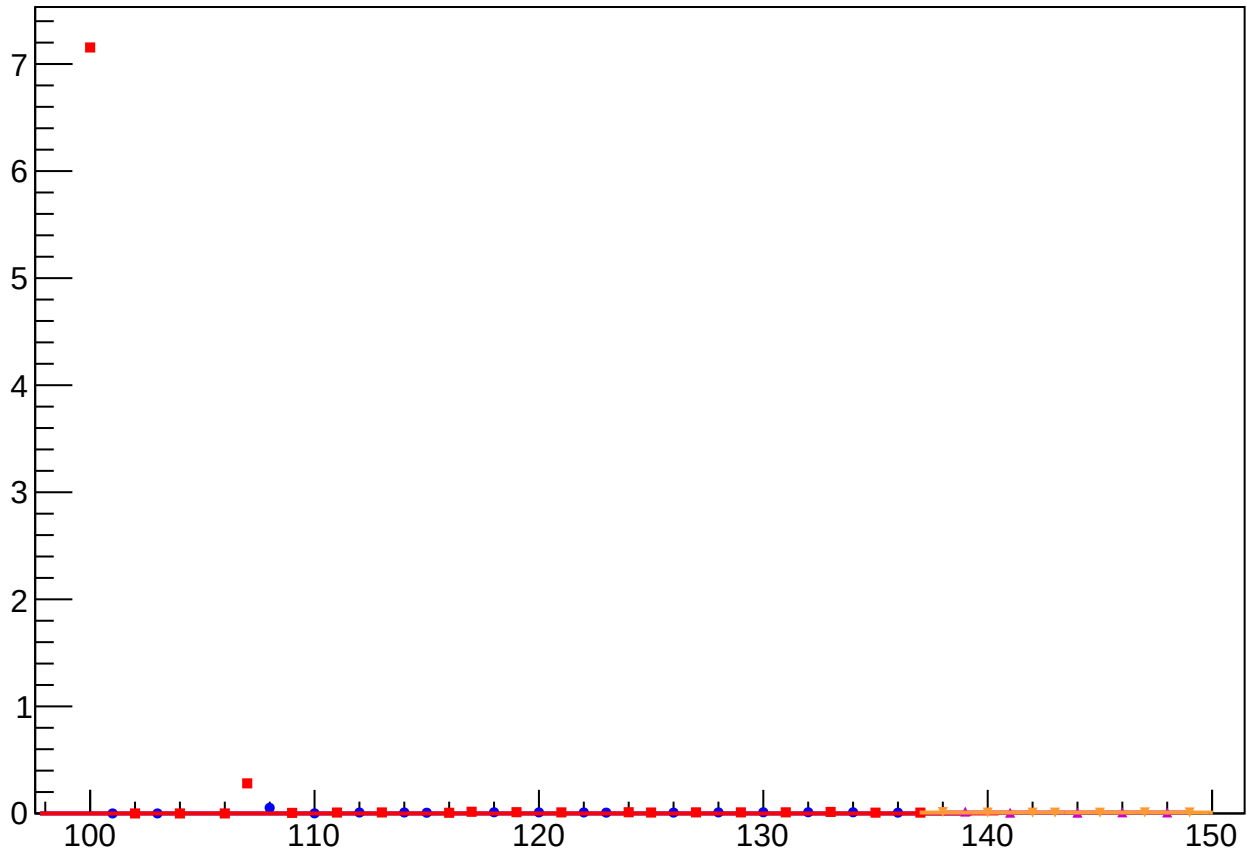
Right Out: -4.914+/-0.000 χ^2/NDF : 365366243956054.8/19

Left In: 0.018+/-0.000 χ^2/NDF : 27891744.7/4

-6.961+/-0.000 χ^2/NDF : 11292280414518.8/23

-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 :242372.9/6

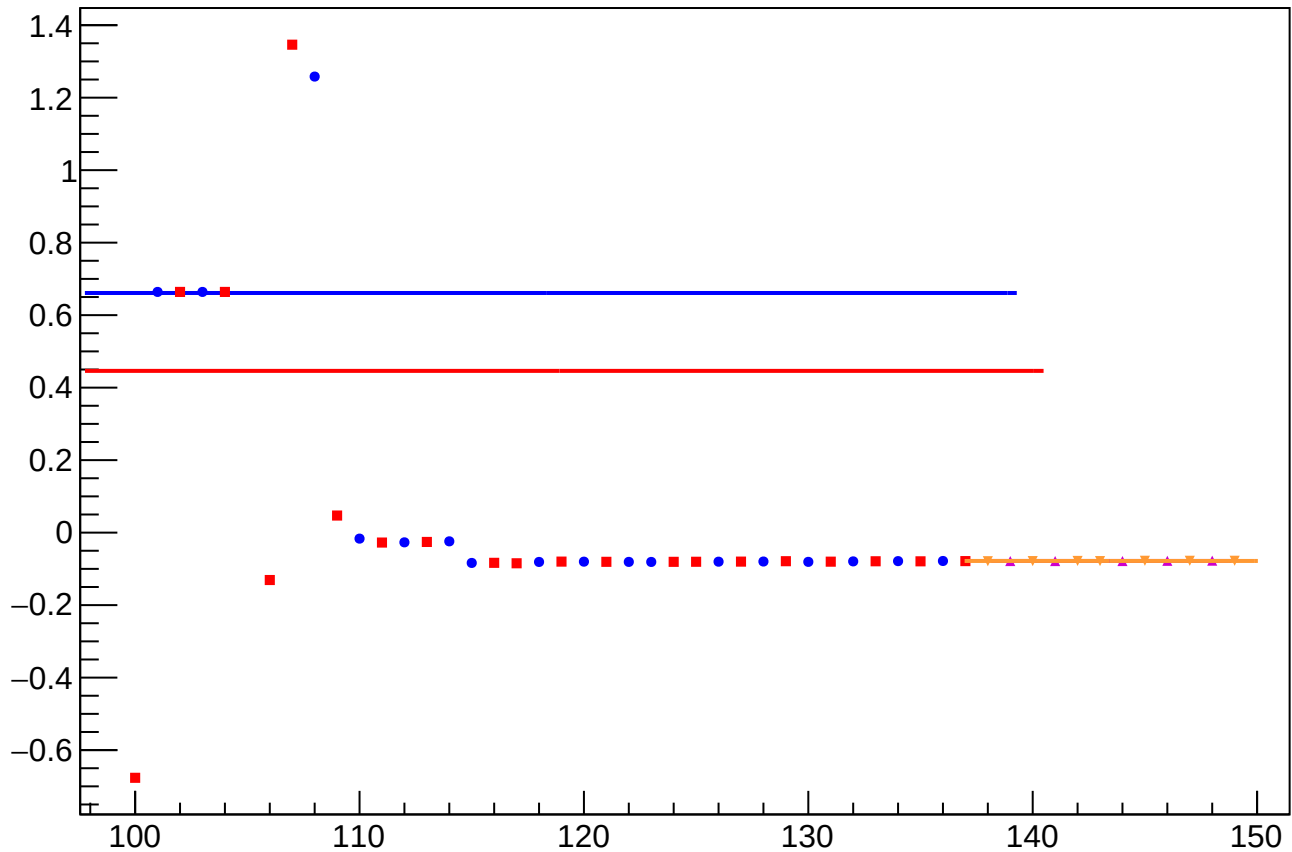
Right Out: 0.000+/-0.000 χ^2/NDF : 8880914.4/19

Left In: 0.009+/-0.000 χ^2/NDF :441465.1/4

0.000+/-0.000 χ^2/NDF : 15549820.4/23

0.000+/-0.000 χ^2/NDF : 15022003.8/24

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5678332616622.1/16

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 3266571.1/6

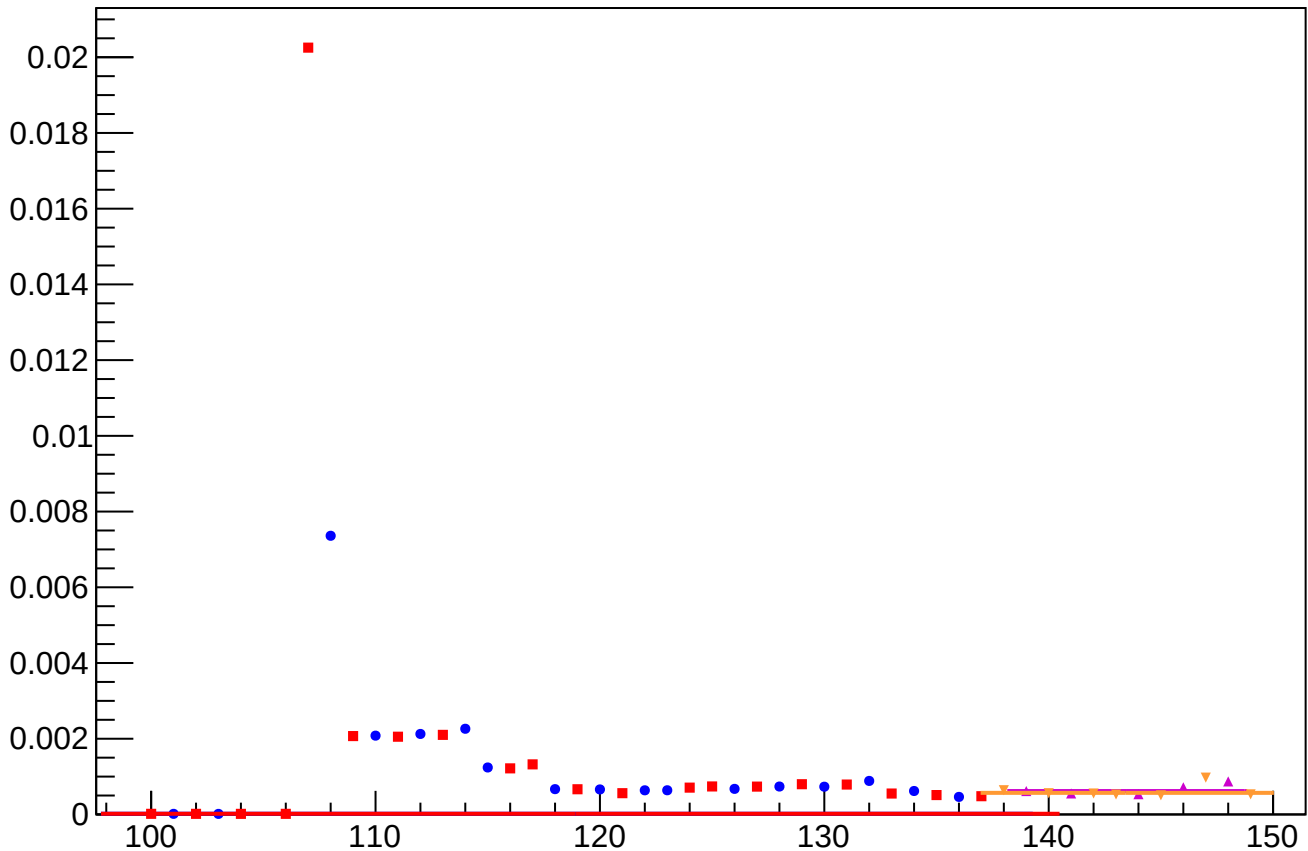
Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405434749783850.4/19

Left In: -0.078 $\pm$ 0.000 χ^2 /NDF: 1433246.1/4

0.657 $\pm$ 0.000 χ^2 /NDF: 13339862692909.7/23

0.444 $\pm$ 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

Left Out: 0.001+/-0.000 χ^2/NDF : 314636.8/6

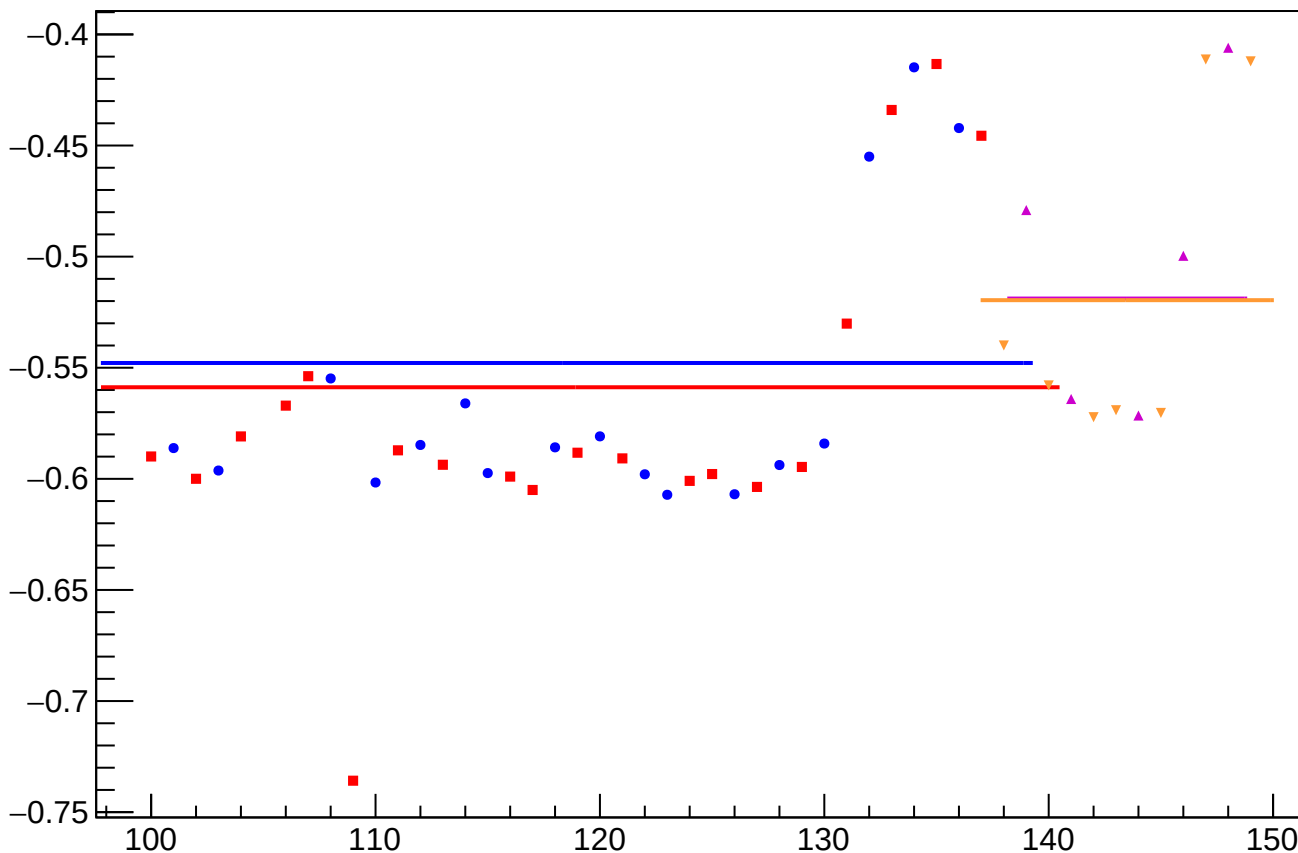
Right Out: 0.000+/-0.000 χ^2/NDF : 9575039.3/19

Left In: 0.001+/-0.000 χ^2/NDF : 218961.3/4

0.000+/-0.000 χ^2/NDF : 18859236.9/23

0.000+/-0.000 χ^2/NDF : 16711036.3/24

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.520+/-0.000 χ^2/NDF : 50820627.5/6

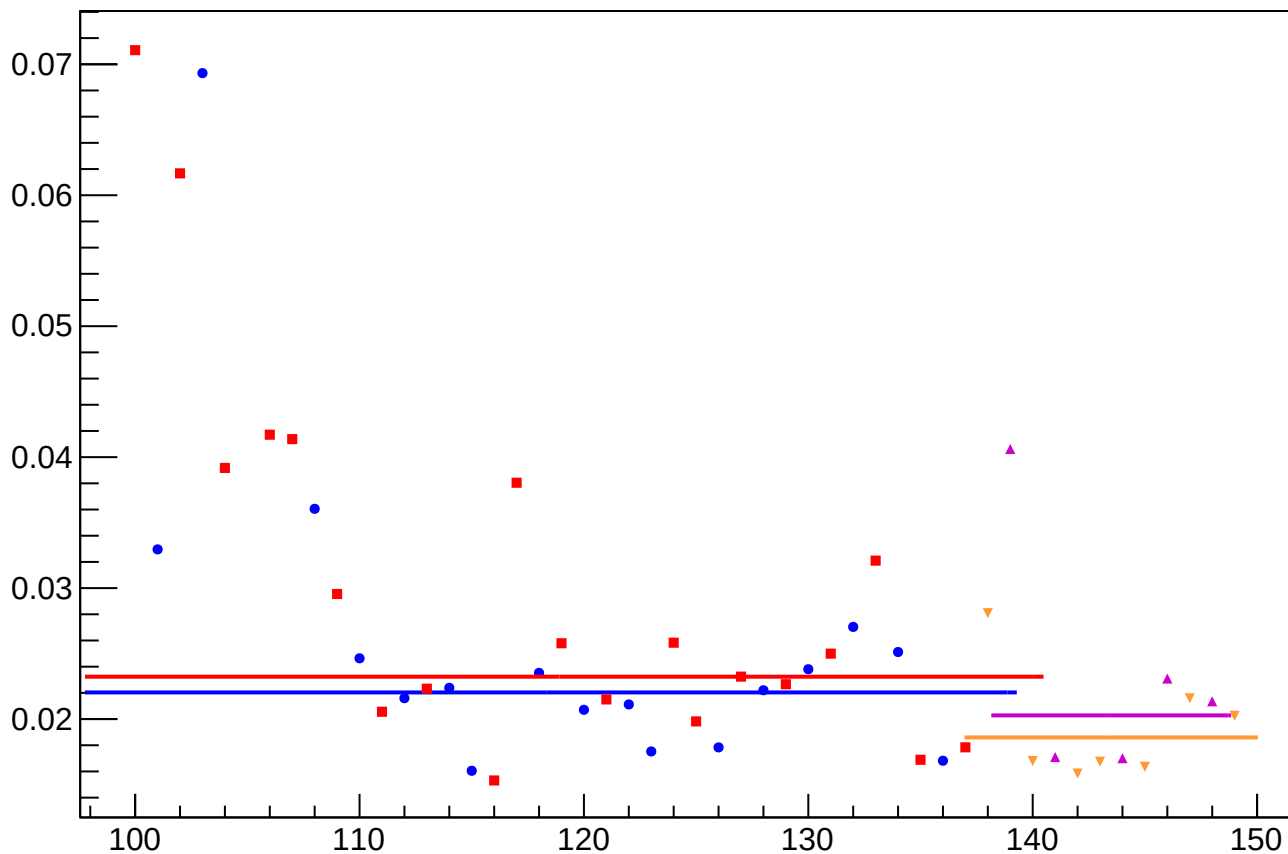
Right Out: -0.559+/-0.000 χ^2/NDF : 65741796.4/19

Left In: -0.519+/-0.000 χ^2/NDF : 29469548.7/4

-0.534+/-0.000 χ^2/NDF : 103583490.1/23

-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: 0.019+/-0.000 χ^2/NDF : 229469.3/6

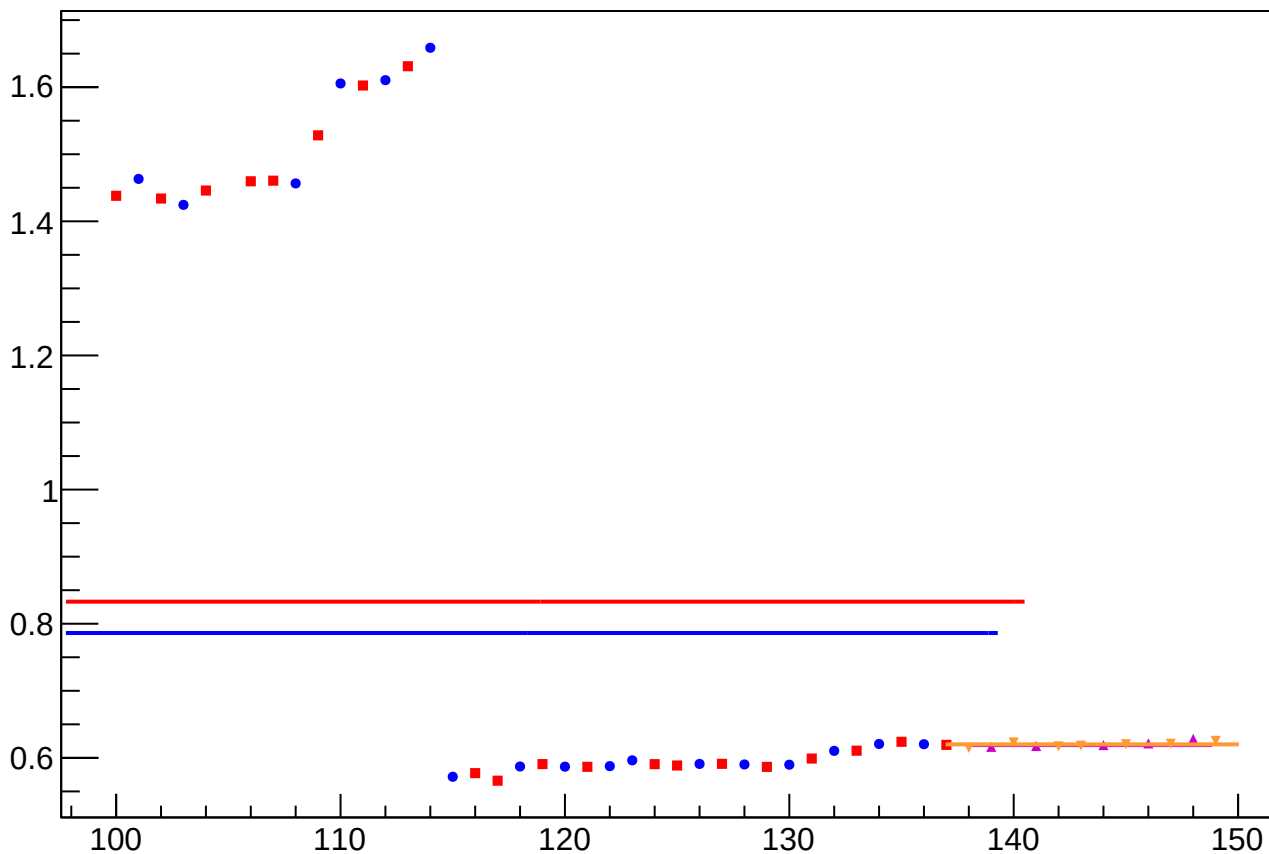
Right Out: 0.023+/-0.000 χ^2/NDF : 1169205.3/19

Left In: 0.020+/-0.000 χ^2/NDF : 447702.2/4

0.020+/-0.000 χ^2/NDF : 1312069.7/23

0.022+/-0.000 χ^2/NDF : 1689753.3/24

yield_bpm4aY_mean vs Slug



Right In: 0.786 $\pm$ 0.000 χ^2 /NDF: 3590113316.1/16

Left Out: 0.620 $\pm$ 0.000 χ^2 /NDF:356617.5/6

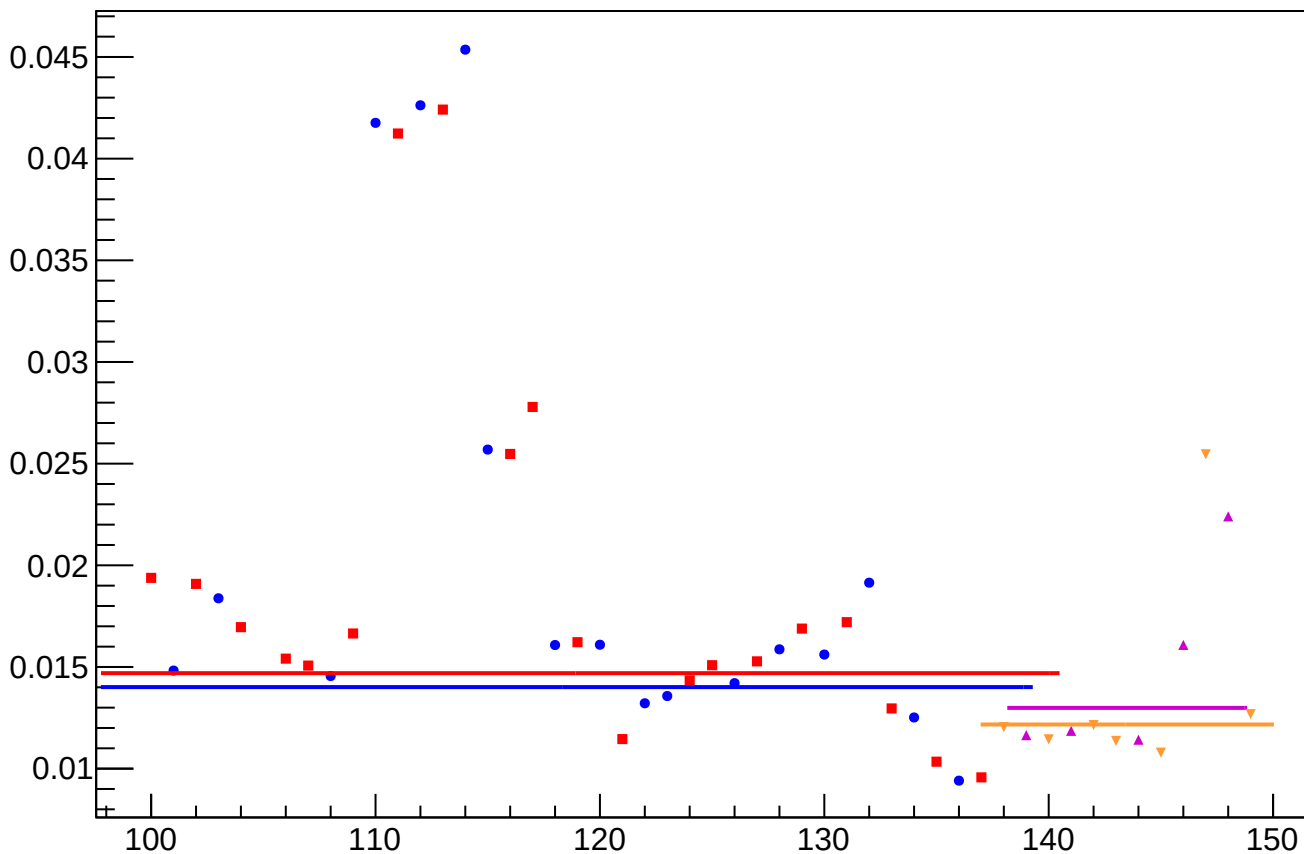
0.701 $\pm$ 0.000 χ^2 /NDF: 4001856094.0/23

Right Out: 0.833 $\pm$ 0.000 χ^2 /NDF: 4160348649.7/19

0.740 $\pm$ 0.000 χ^2 /NDF: 4715069500.8/24

Left In: 0.619 $\pm$ 0.000 χ^2 /NDF:193020.0/4

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: 444520.3/6

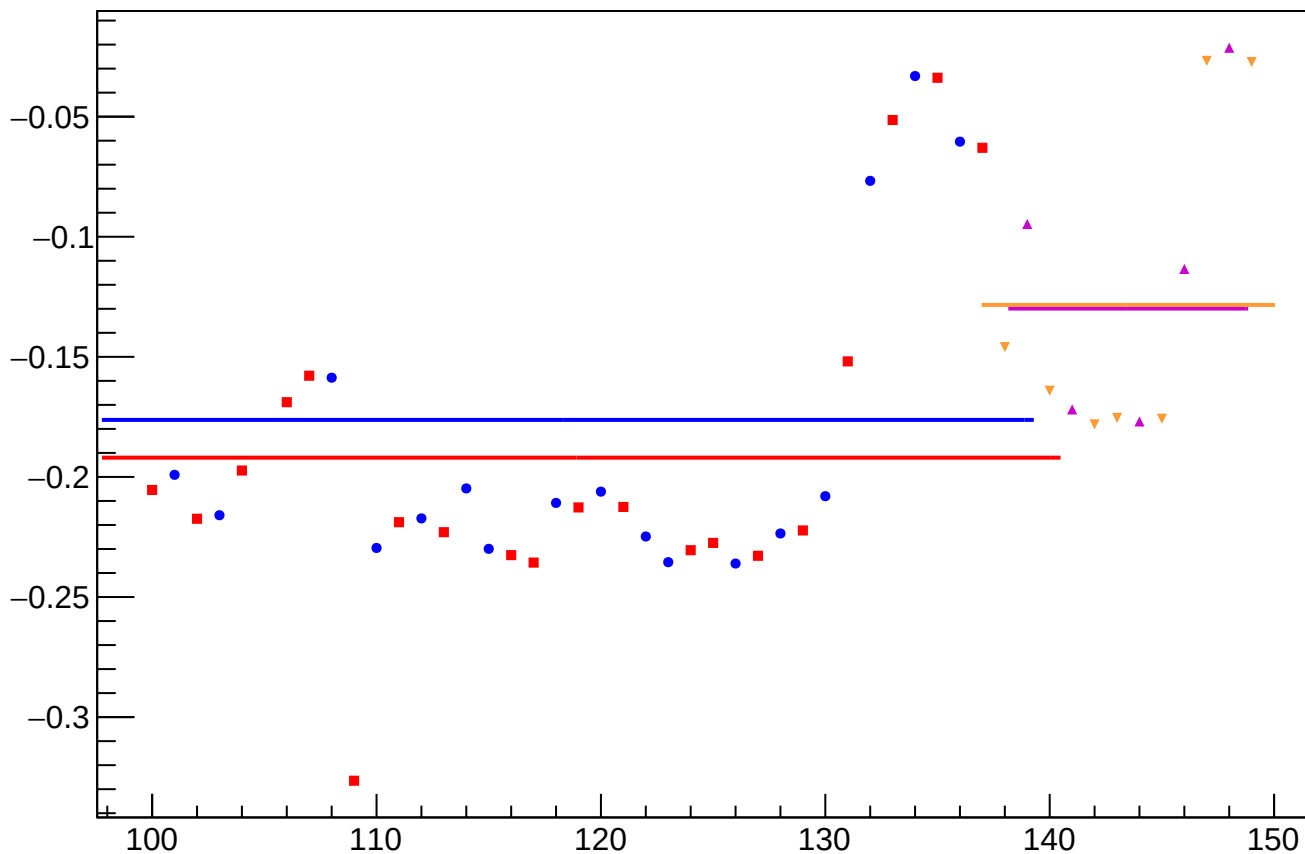
Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1280473.4/19

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 385696.8/4

0.013 $\pm$ 0.000 χ^2 /NDF: 1950340.8/23

0.014 $\pm$ 0.000 χ^2 /NDF: 1736901.1/24

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.128+/-0.000 χ^2/NDF : 49372563.7/6

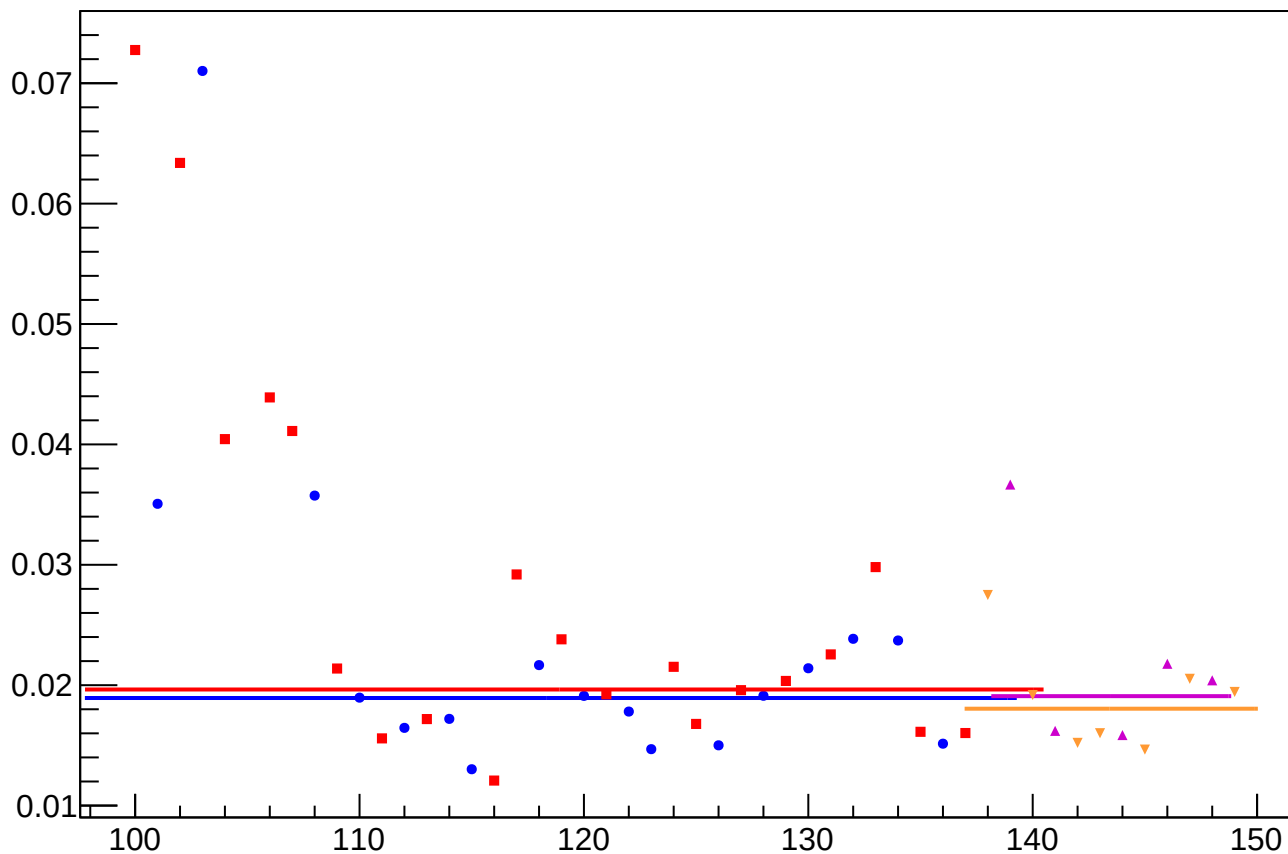
Right Out: -0.192+/-0.000 χ^2/NDF : 83899255.4/19

Left In: -0.130+/-0.000 χ^2/NDF : 29187157.9/4

-0.155+/-0.000 χ^2/NDF : 133848874.1/23

-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 : 268693.3/6

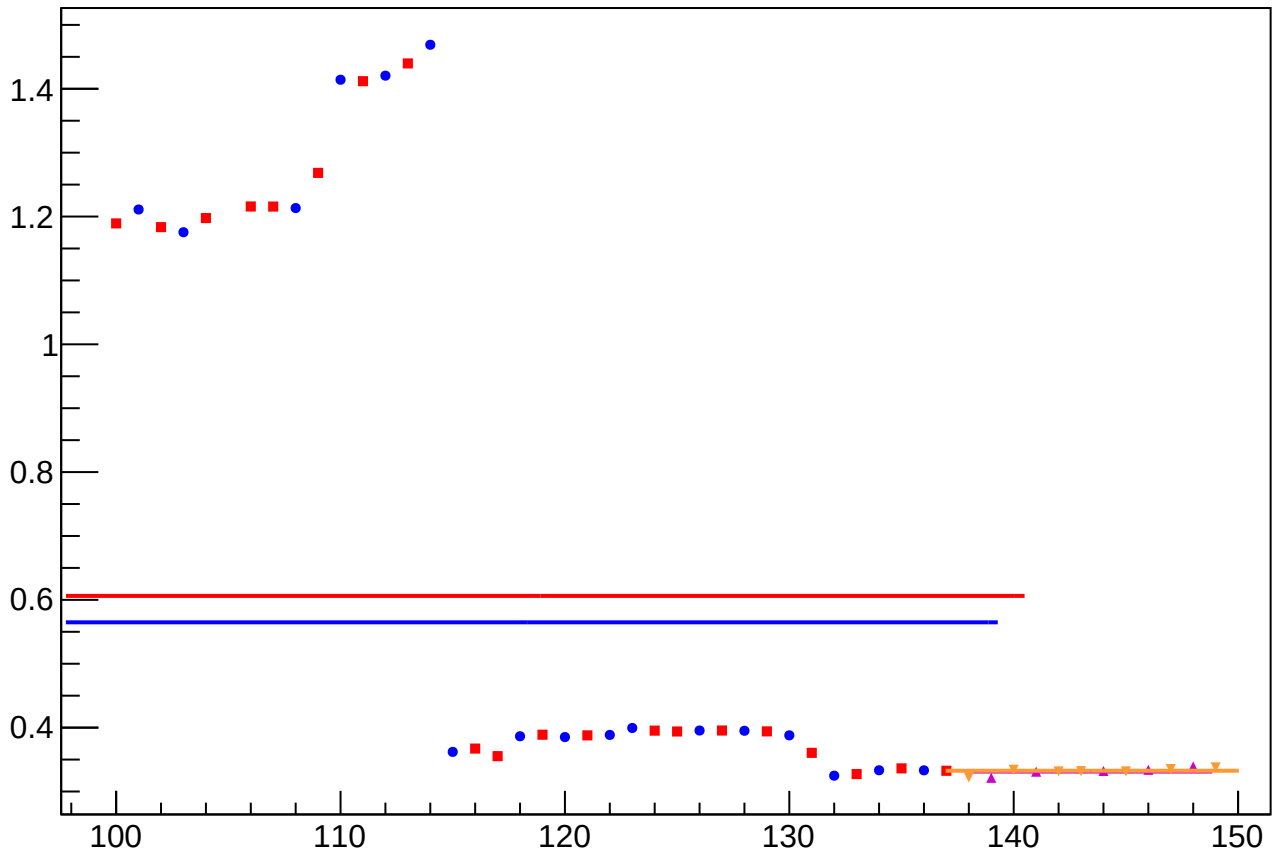
Right Out: 0.020+/-0.000 χ^2/NDF : 1466285.9/19

Left In: 0.019+/-0.000 χ^2/NDF : 425277.1/4

0.019+/-0.000 χ^2/NDF : 1484427.2/23

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: 0.333+/-0.000 χ^2/NDF : 678133.1/6

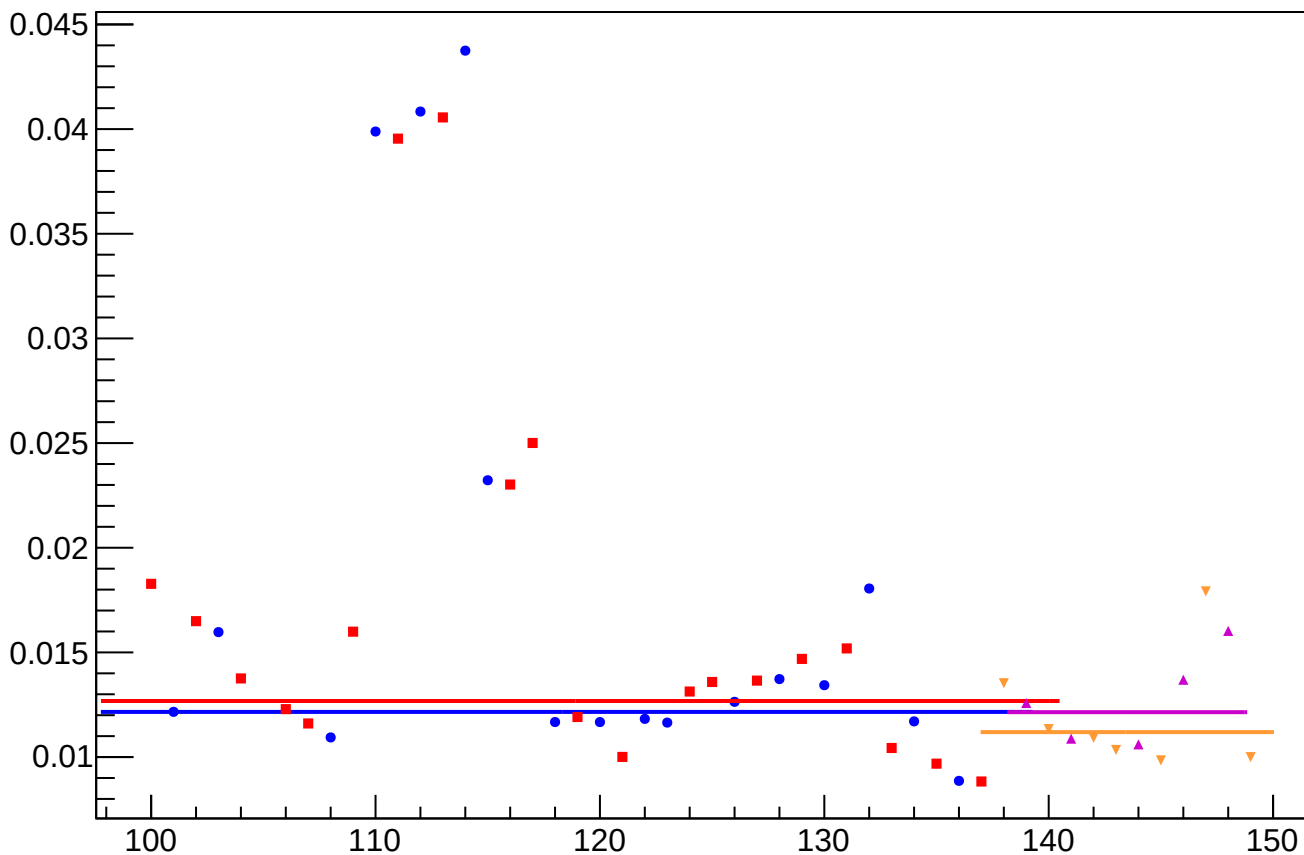
0.451+/-0.000 χ^2/NDF : 6043984982.5/23

Right Out: 0.606+/-0.000 χ^2/NDF : 5517630064.2/19

0.495+/-0.000 χ^2/NDF : 6648575123.0/24

Left In: 0.331+/-0.000 χ^2/NDF : 621881.6/4

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1309888.8/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:312625.1/6

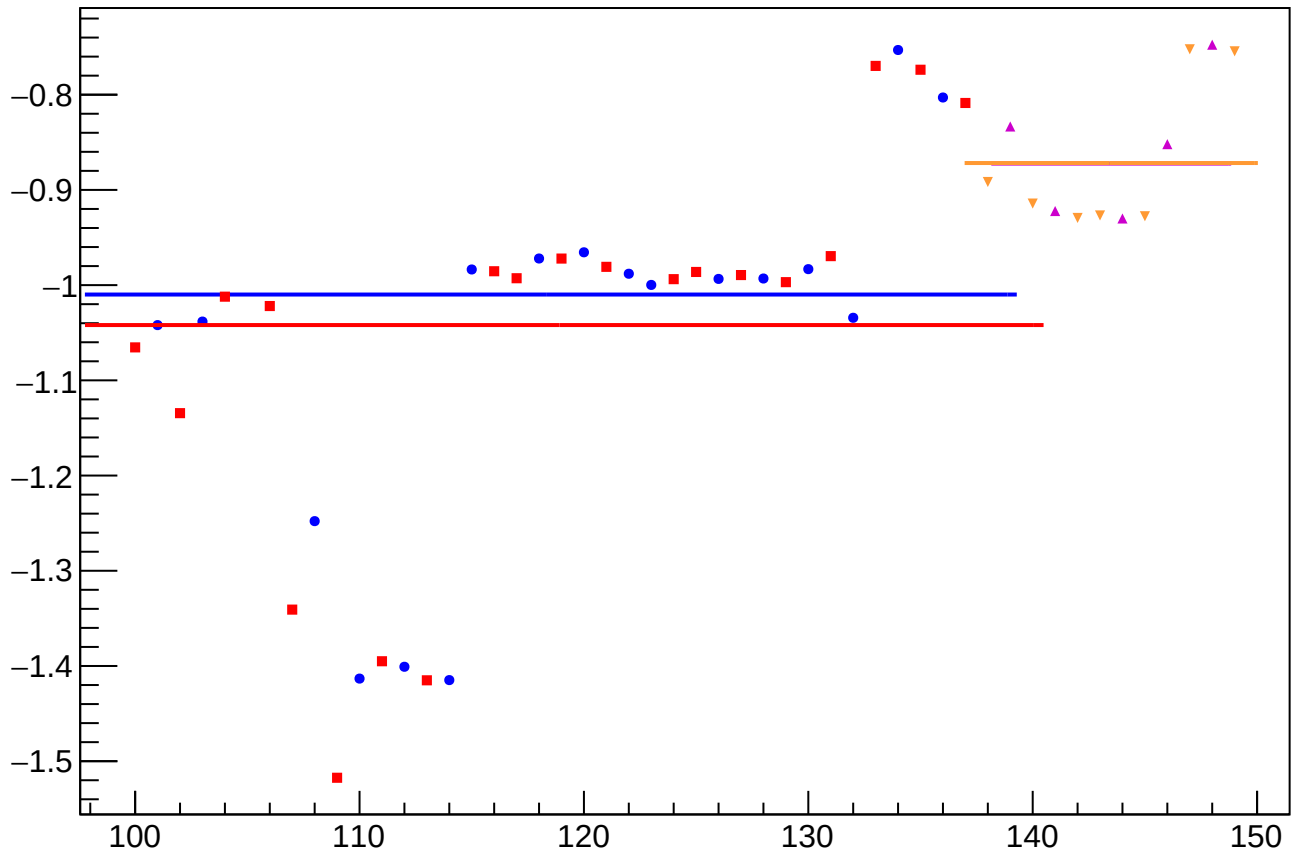
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1289415.7/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:166530.0/4

0.012 $\pm$ 0.000 χ^2 /NDF: 1657457.2/23

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: -0.872 ± 0.000 χ^2/NDF : 64383089.3/6

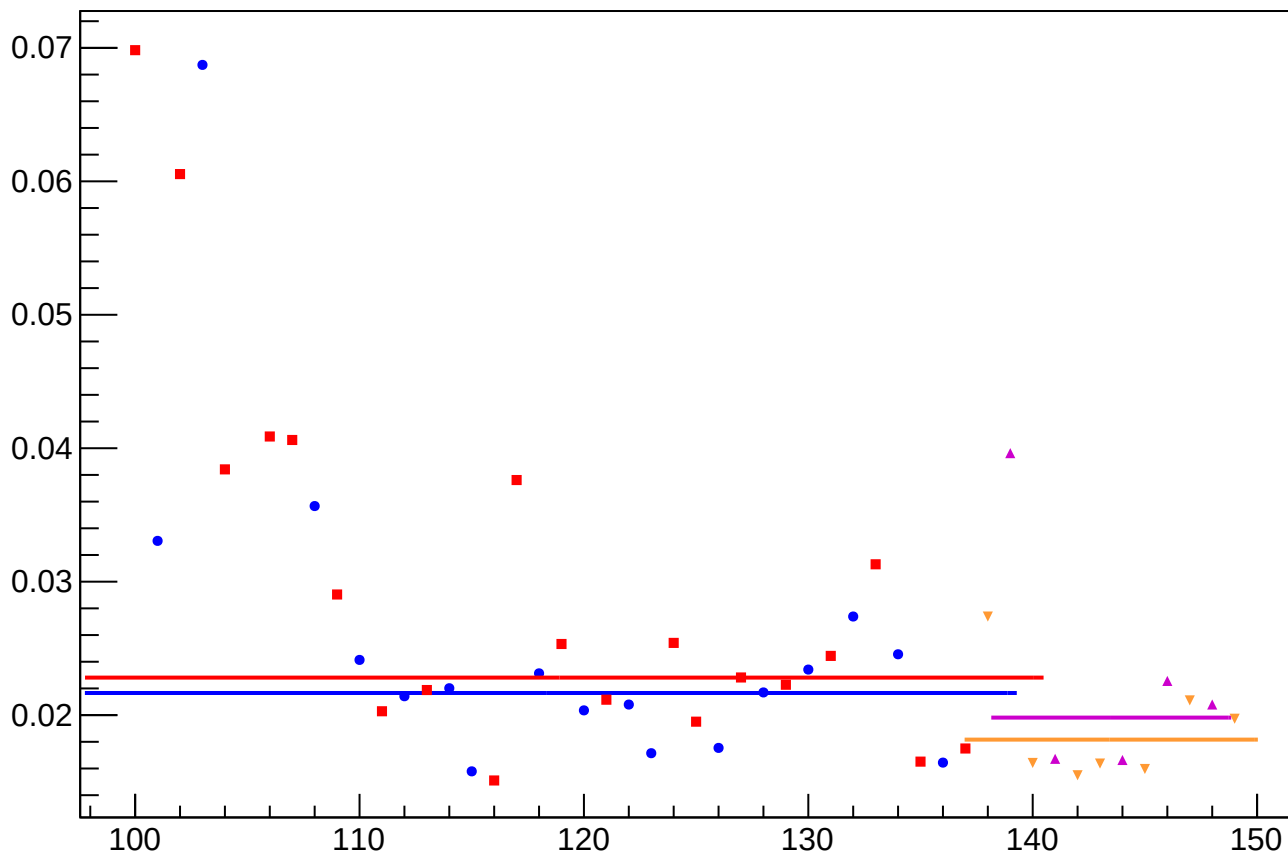
-0.941 ± 0.000 χ^2/NDF : 556035438.0/23

Right Out: -1.042 ± 0.000 χ^2/NDF : 530175104.2/19

-0.970 ± 0.000 χ^2/NDF : 692901471.8/24

Left In: -0.872 ± 0.000 χ^2/NDF : 37514566.1/4

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 : 227902.5/6

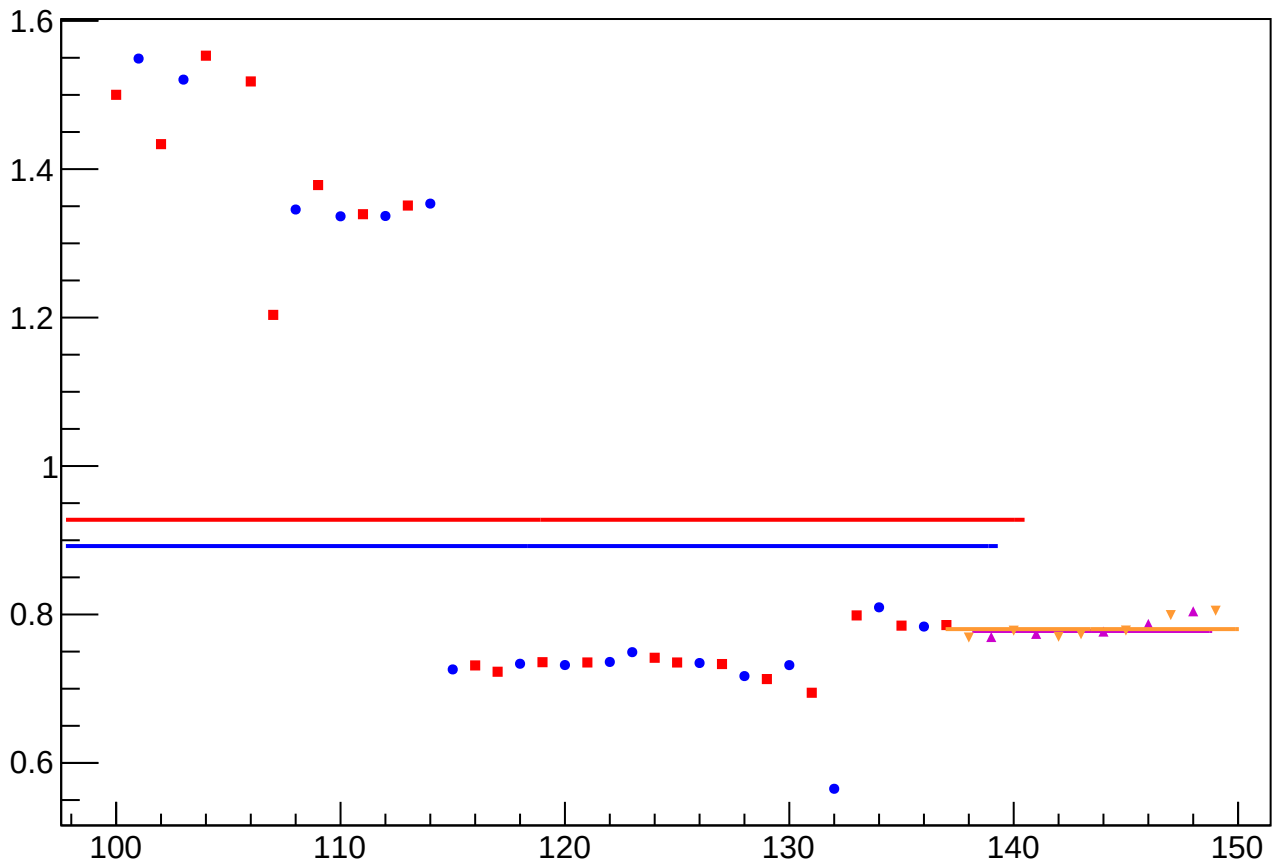
Right Out: 0.023+/-0.000 χ^2/NDF : 1165116.5/19

Left In: 0.020+/-0.000 χ^2/NDF : 445280.1/4

0.020+/-0.000 χ^2/NDF : 1344500.1/23

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: 0.780 ± 0.000 χ^2/NDF : 4623947.6/6

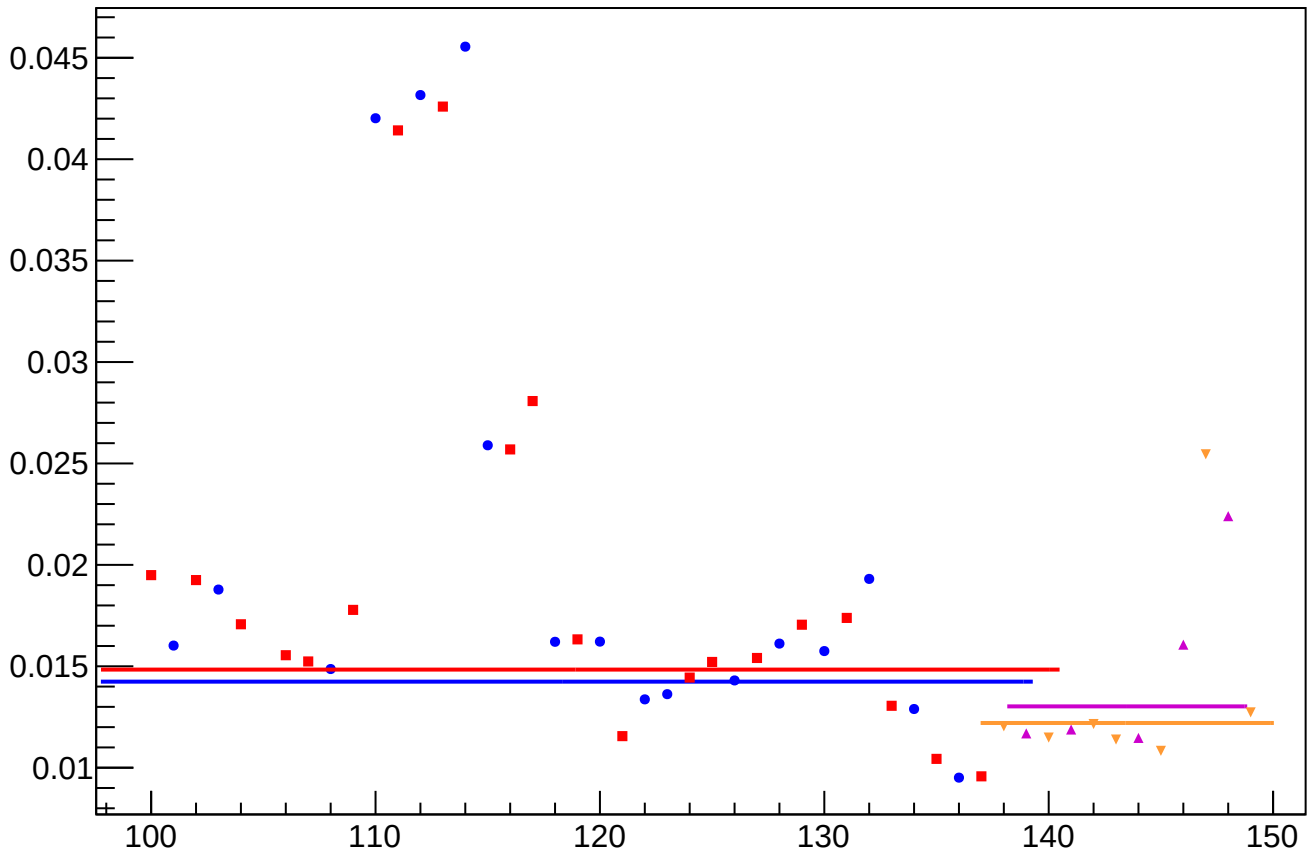
Right Out: 0.928 ± 0.000 χ^2/NDF : 2439574936.7/19

Left In: 0.778 ± 0.000 χ^2/NDF : 1732741.9/4

0.834 ± 0.000 χ^2/NDF : 2600991387.2/23

0.862 ± 0.000 χ^2/NDF : 2710013040.3/24

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 : 441253.8/6

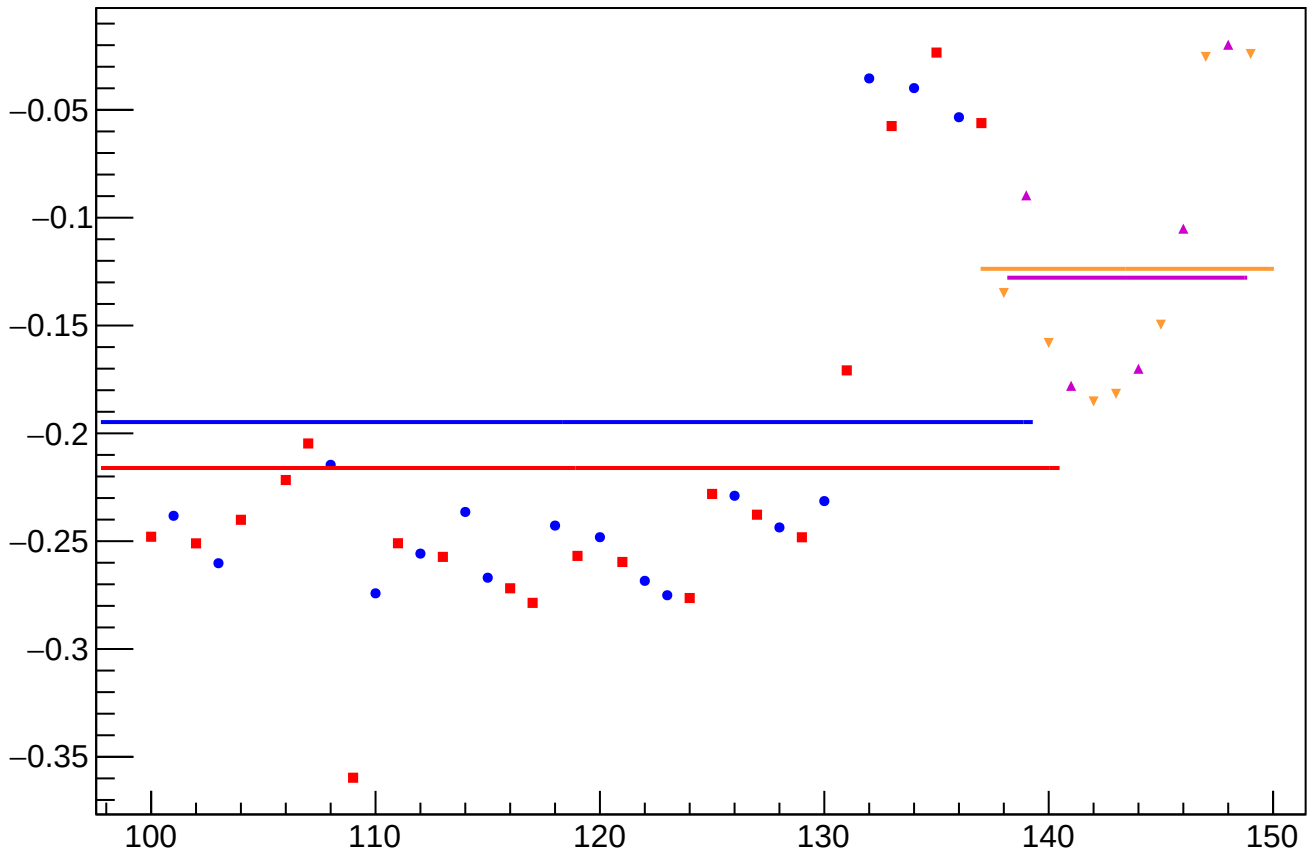
Right Out: 0.015+/-0.000 χ^2/NDF : 1291174.0/19

Left In: 0.013+/-0.000 χ^2/NDF : 381021.7/4

0.013+/-0.000 χ^2/NDF : 1978143.7/23

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: -0.124+/-0.000 χ^2/NDF : 46806846.2/6

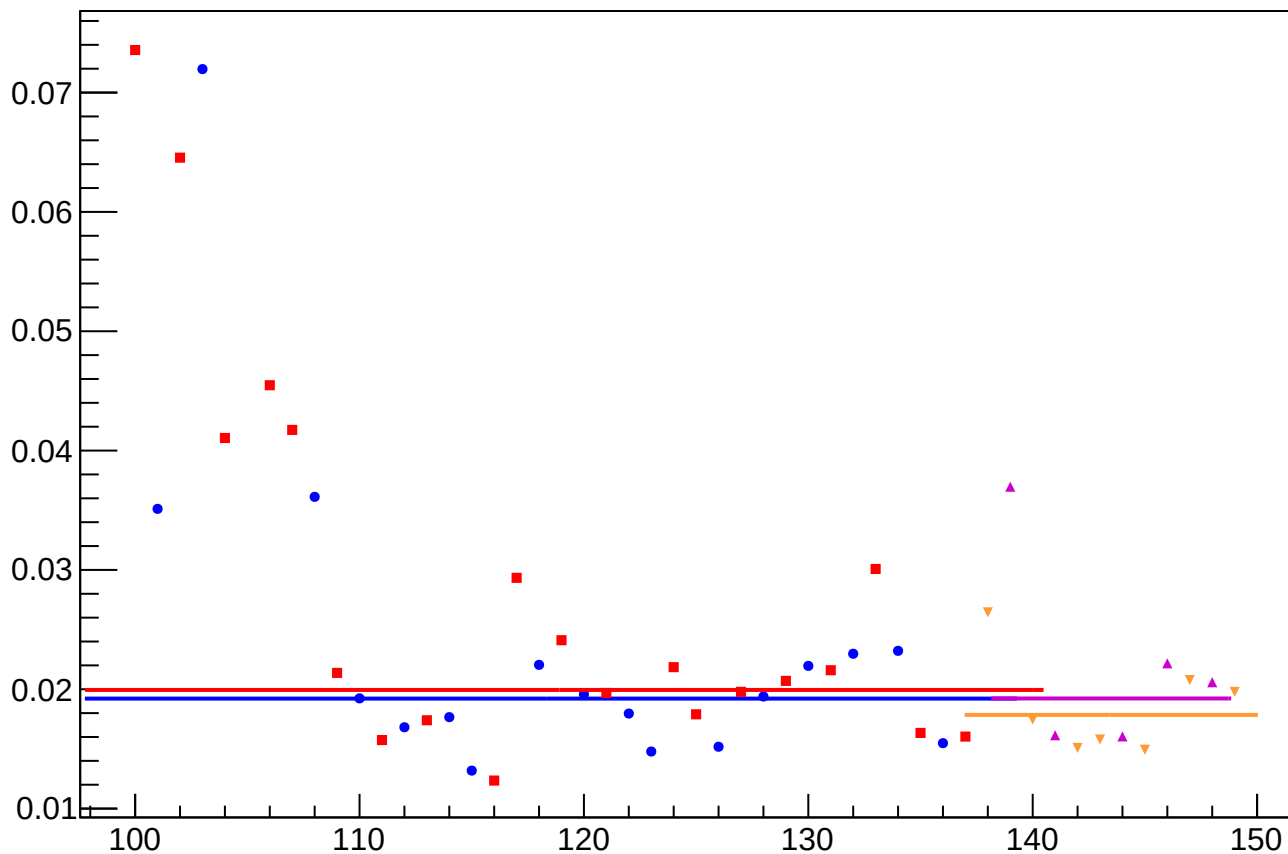
Right Out: -0.216+/-0.000 χ^2/NDF : 112167032.2/19

Left In: -0.128+/-0.000 χ^2/NDF : 29595207.8/4

-0.162+/-0.000 χ^2/NDF : 186849763.8/23

-0.182+/-0.000 χ^2/NDF : 180722320.7/24

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 : 243215.7/6

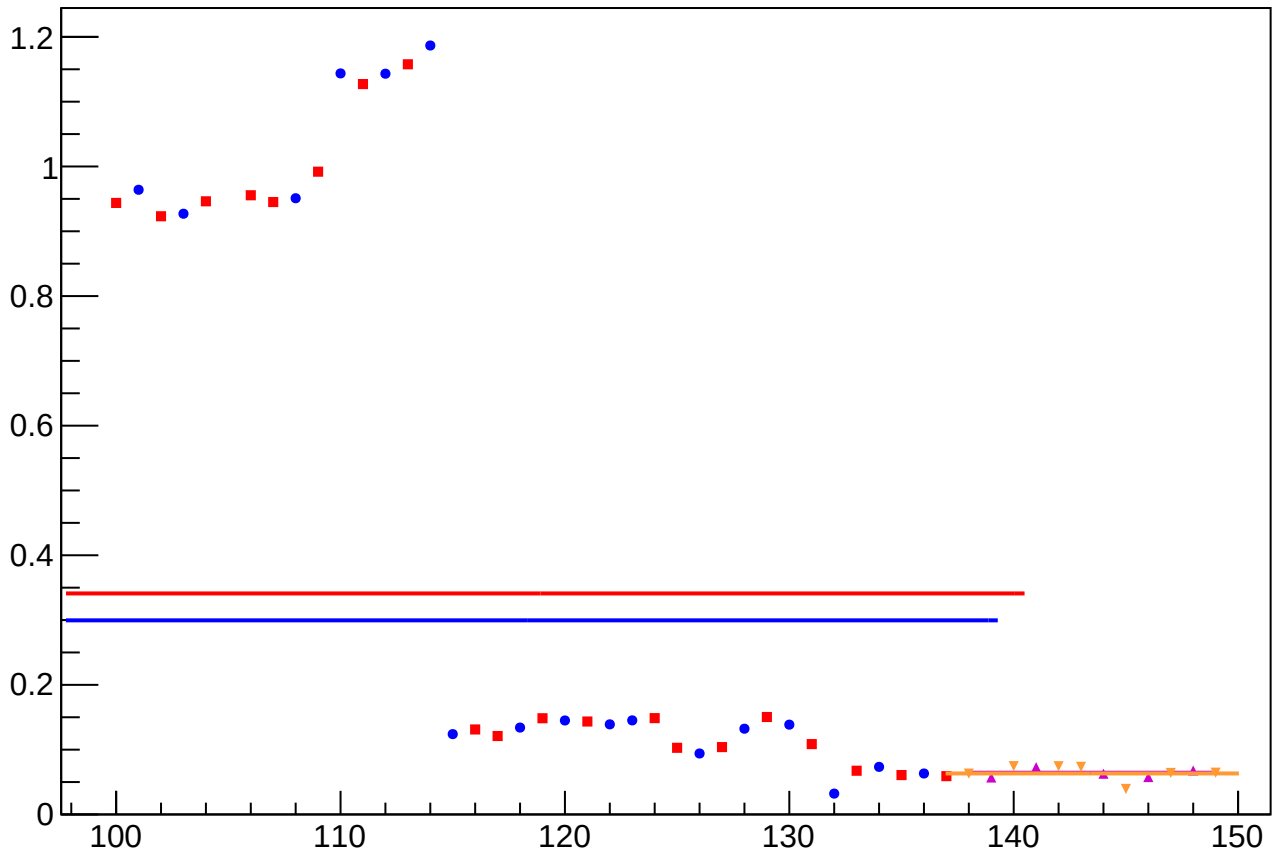
Right Out: 0.020+/-0.000 χ^2/NDF : 1455211.7/19

Left In: 0.019+/-0.000 χ^2/NDF : 431809.2/4

0.019+/-0.000 χ^2/NDF : 1443430.5/23

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: 6313994.3/6

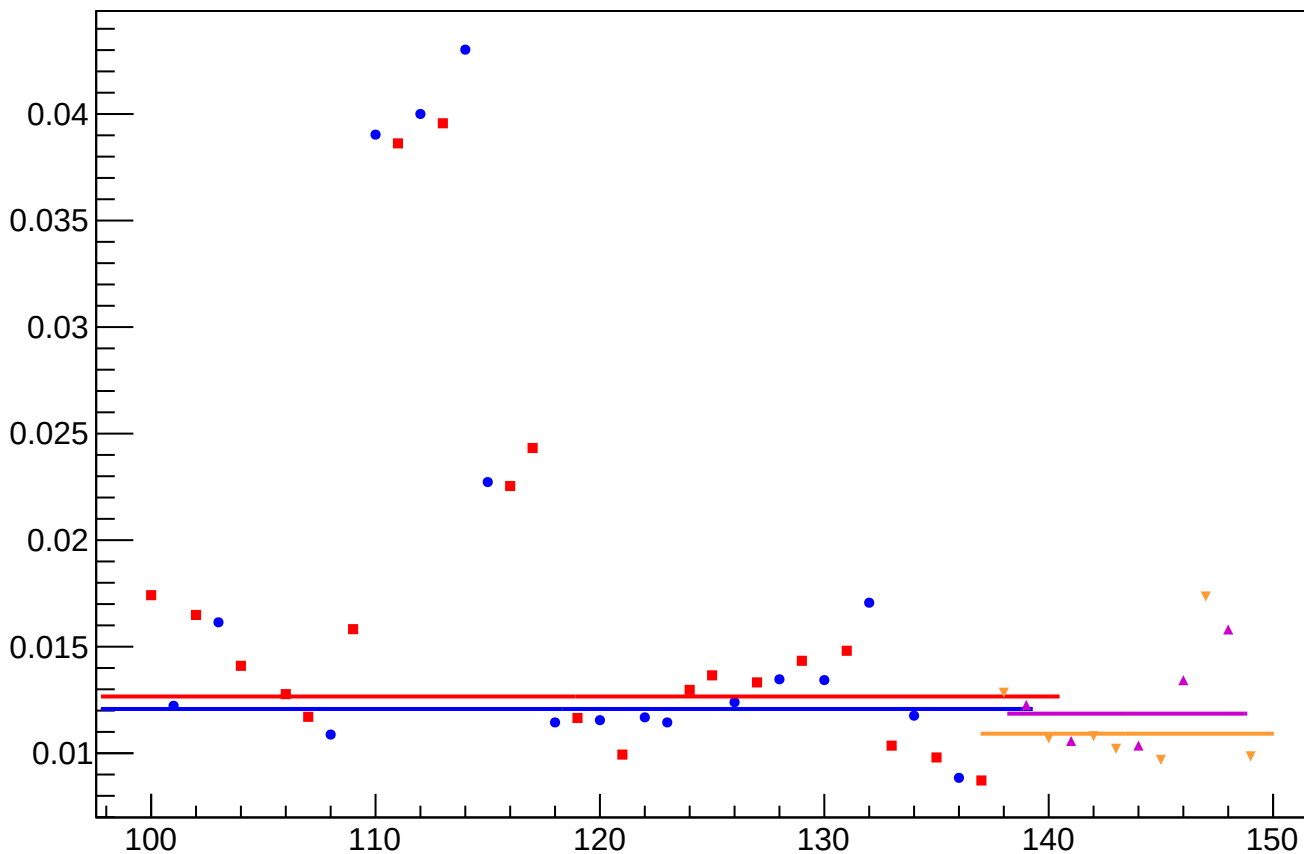
0.182 $\pm$ 0.000 χ^2 /NDF: 6253508052.6/23

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 $\pm$ 0.000 χ^2 /NDF: 1282097.7/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:286568.8/6

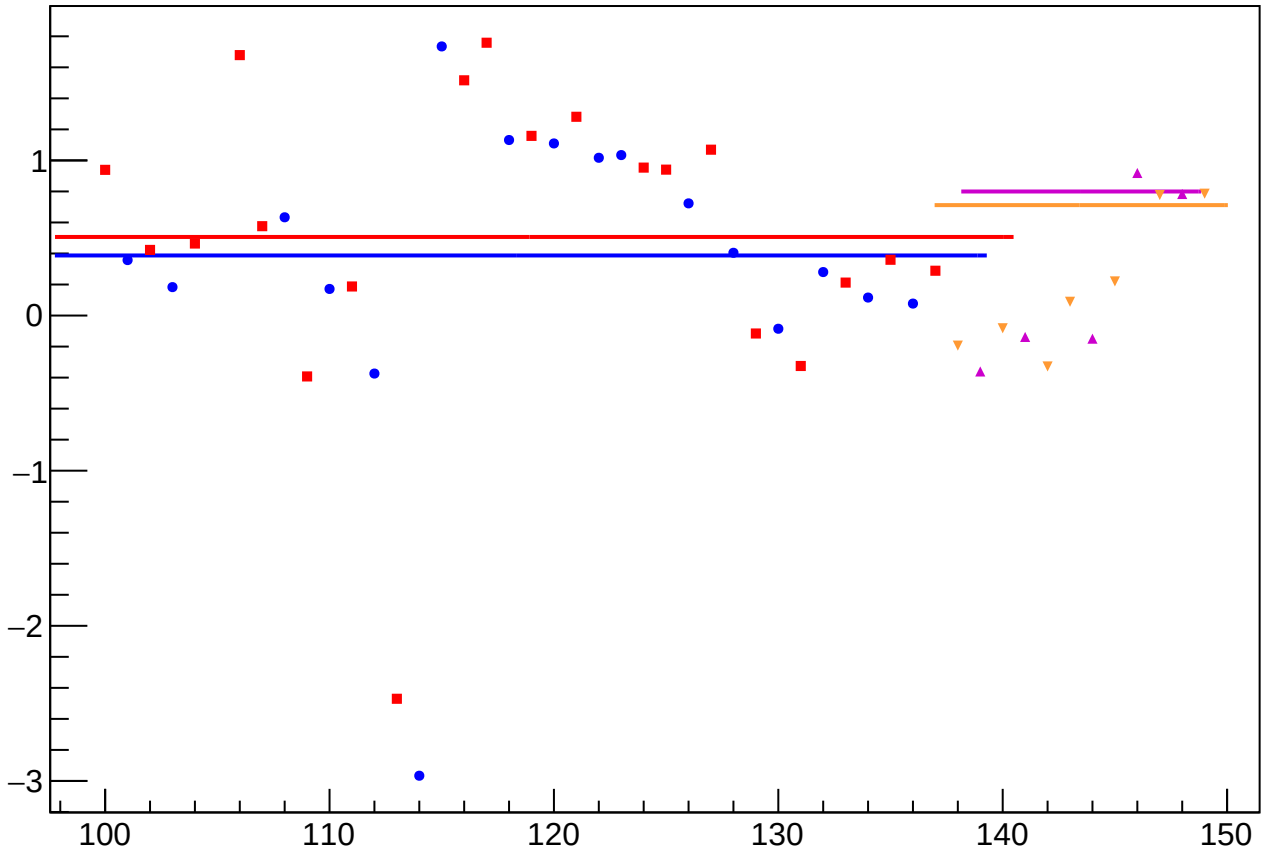
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1255391.1/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:175568.3/4

0.011 $\pm$ 0.000 χ^2 /NDF: 1620808.9/23

0.012 $\pm$ 0.000 χ^2 /NDF: 1450927.0/24

yield_bpm1X_mean vs Slug



Right In: 0.387 $\pm$ 0.000 χ^2 /NDF: 247912593.5/16

0.634 $\pm$ 0.000 χ^2 /NDF: 690342468.8/23

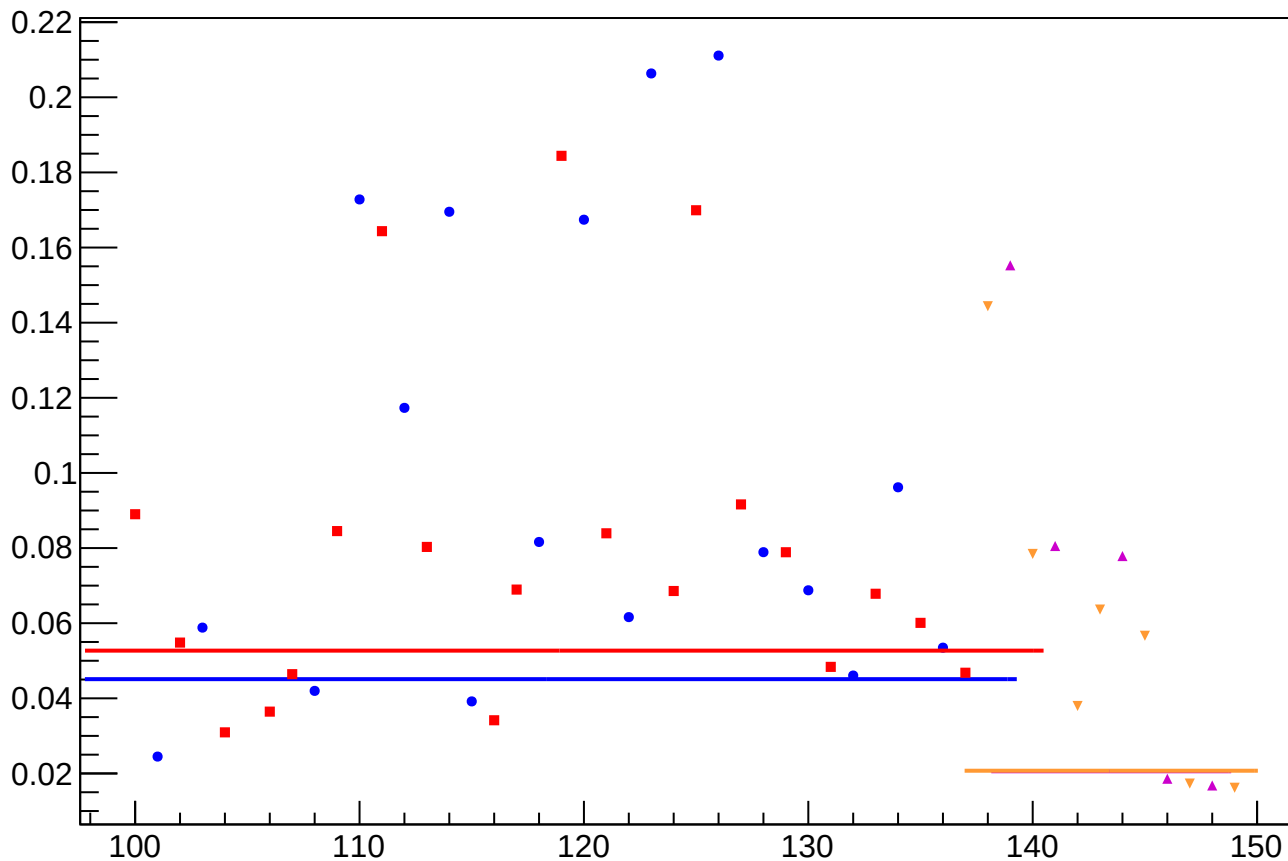
Left Out: 0.712 $\pm$ 0.000 χ^2 /NDF:302622215.9/6

Right Out: 0.507 $\pm$ 0.000 χ^2 /NDF: 995347030.4/19

0.726 $\pm$ 0.000 χ^2 /NDF: 1295140748.1/24

Left In: 0.800 $\pm$ 0.000 χ^2 /NDF:203512853.3/4

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2846218.9/16

Left Out: 0.021+/-0.000 χ^2/NDF :2471379.2/6

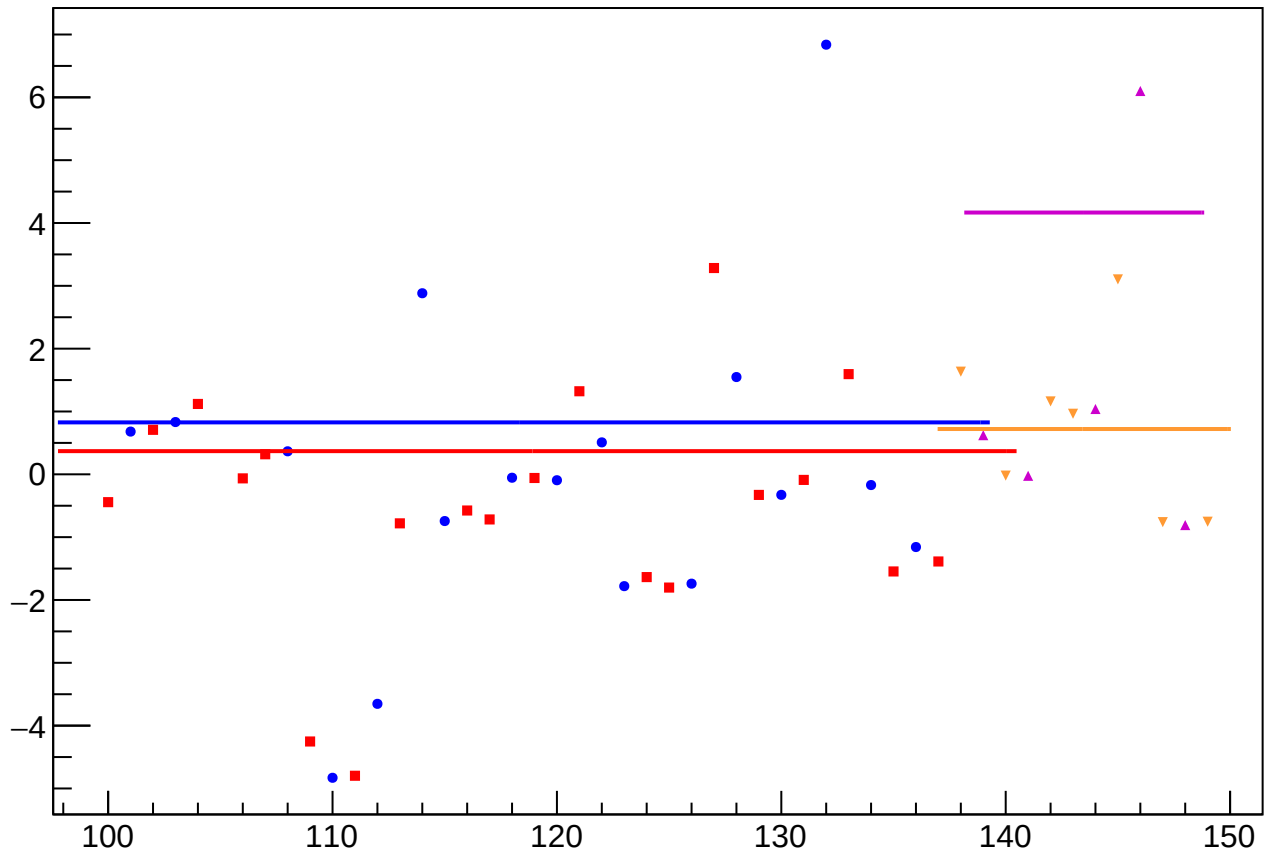
Right Out: 0.053+/-0.000 χ^2/NDF : 2194555.4/19

Left In: 0.021+/-0.000 χ^2/NDF :2083243.6/4

0.027+/-0.000 χ^2/NDF : 6895364.7/23

0.029+/-0.000 χ^2/NDF : 6591559.8/24

yield_bpm1Y_mean vs Slug



Right In: 0.827 ± 0.000 $\chi^2/\text{NDF}: 10936458870.4/16$

Left Out: 0.721 ± 0.000 $\chi^2/\text{NDF}: 25386831043.9/6$

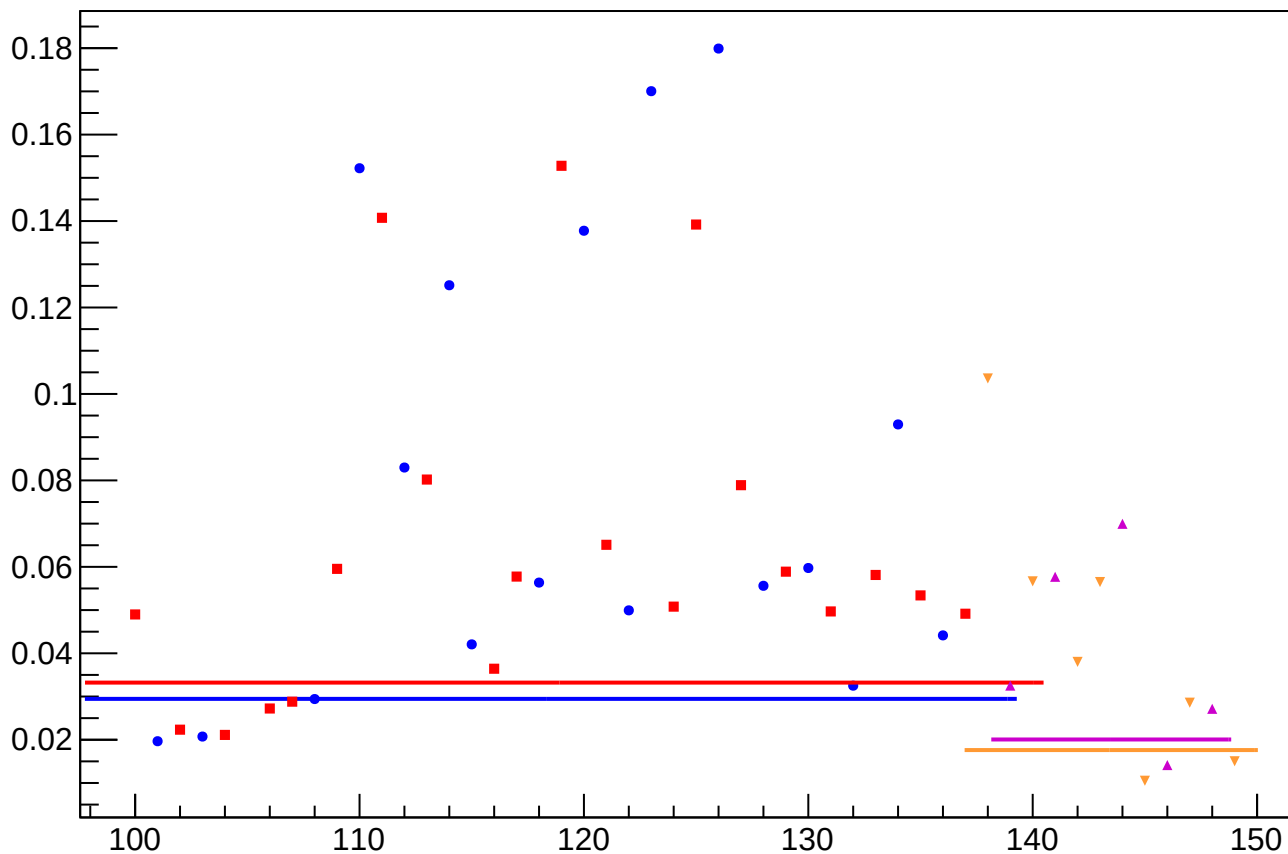
Right Out: 0.369 ± 0.000 $\chi^2/\text{NDF}: 4985860510.0/19$

Left In: 4.166 ± 0.000 $\chi^2/\text{NDF}: 44181398674.1/4$

0.757 ± 0.000 $\chi^2/\text{NDF}: 36352148951.4/23$

2.585 ± 0.000 $\chi^2/\text{NDF}: 78703996742.1/24$

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.018+/-0.000 χ^2/NDF :2330990.5/6

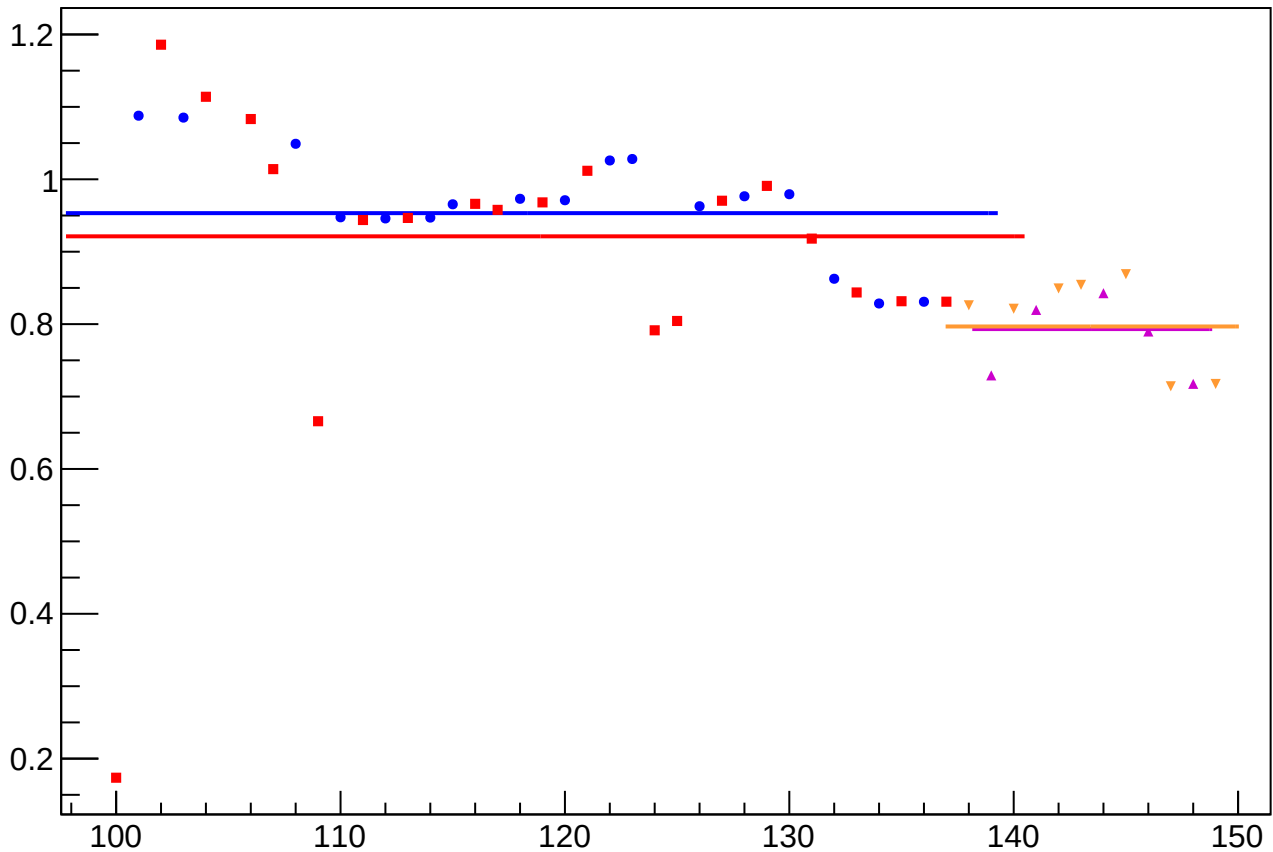
Right Out: 0.033+/-0.000 χ^2/NDF : 3110014.7/19

Left In: 0.020+/-0.000 χ^2/NDF :1360730.6/4

0.022+/-0.000 χ^2/NDF : 6113667.1/23

0.026+/-0.000 χ^2/NDF : 5180219.0/24

yield_bpm11X_mean vs Slug



Right In: 0.953+/-0.000 χ^2/NDF : 175396553.4/16

Left Out: 0.797+/-0.000 χ^2/NDF :117234131.6/6

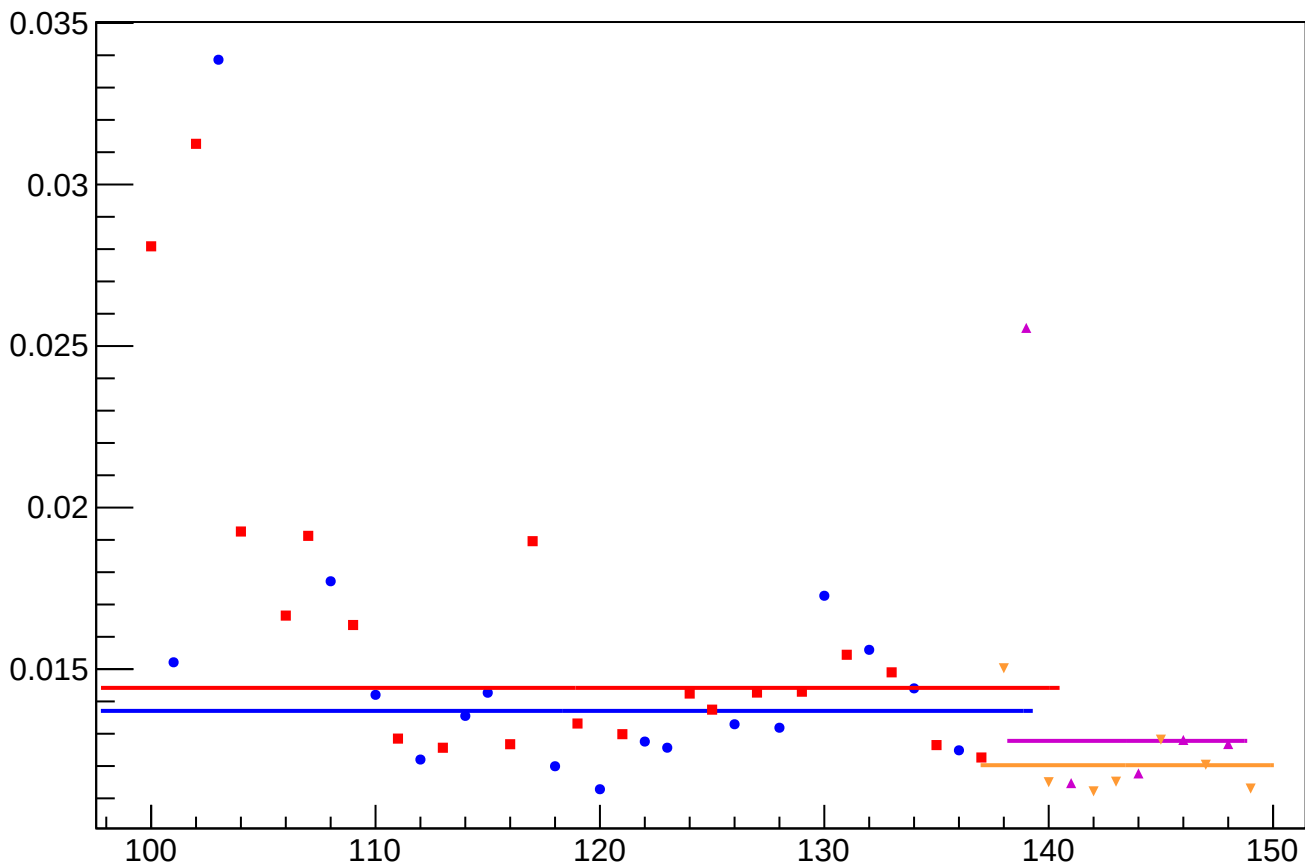
Right Out: 0.921+/-0.000 χ^2/NDF : 374376205.4/19

Left In: 0.793+/-0.000 χ^2/NDF :46883328.0/4

0.878+/-0.000 χ^2/NDF : 658386808.7/23

0.868+/-0.000 χ^2/NDF : 621046526.3/24

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 546317.6/16

Left Out: 0.012+/-0.000 χ^2/NDF :66361.7/6

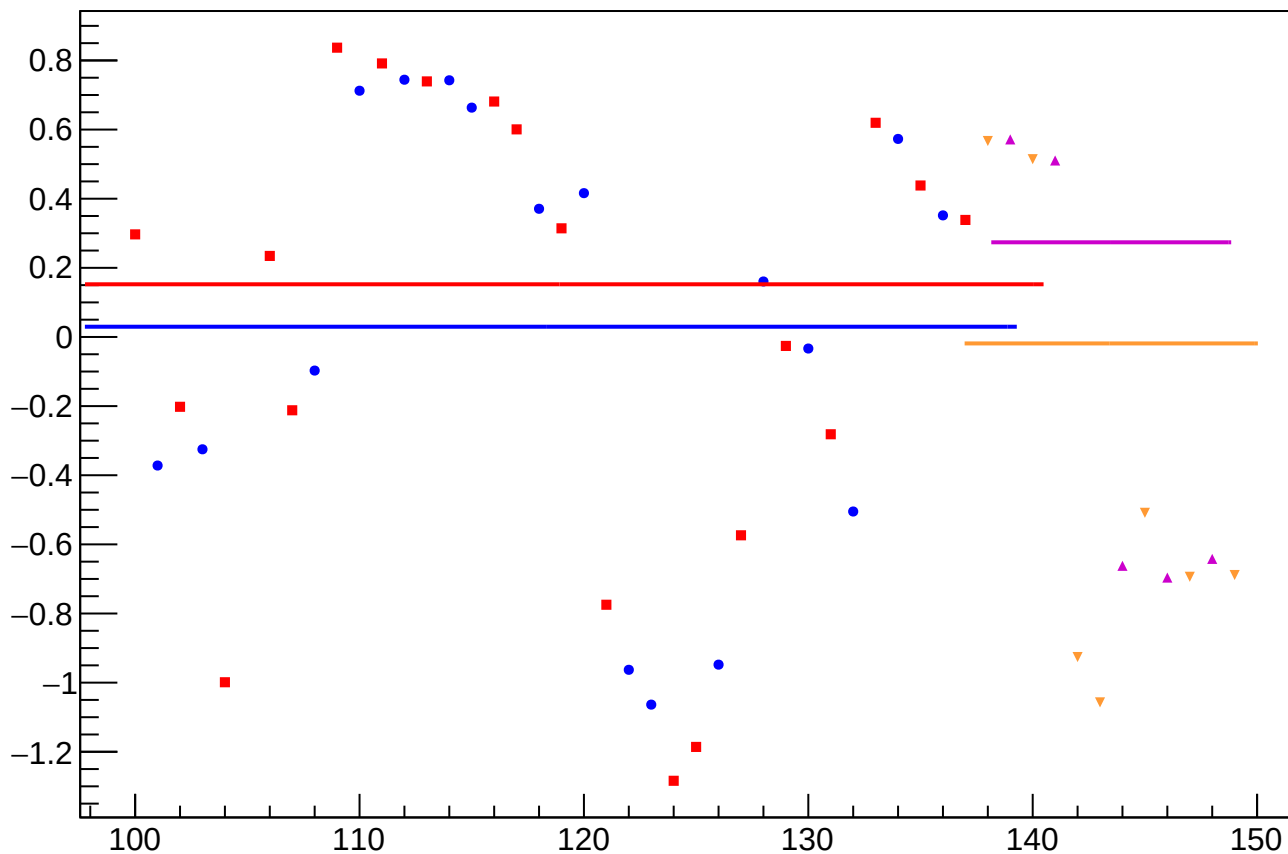
Right Out: 0.014+/-0.000 χ^2/NDF : 506553.4/19

Left In: 0.013+/-0.000 χ^2/NDF :358330.3/4

0.013+/-0.000 χ^2/NDF : 697082.1/23

0.014+/-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: -0.019 ± 0.000 χ^2/NDF : 16504402315.6/6

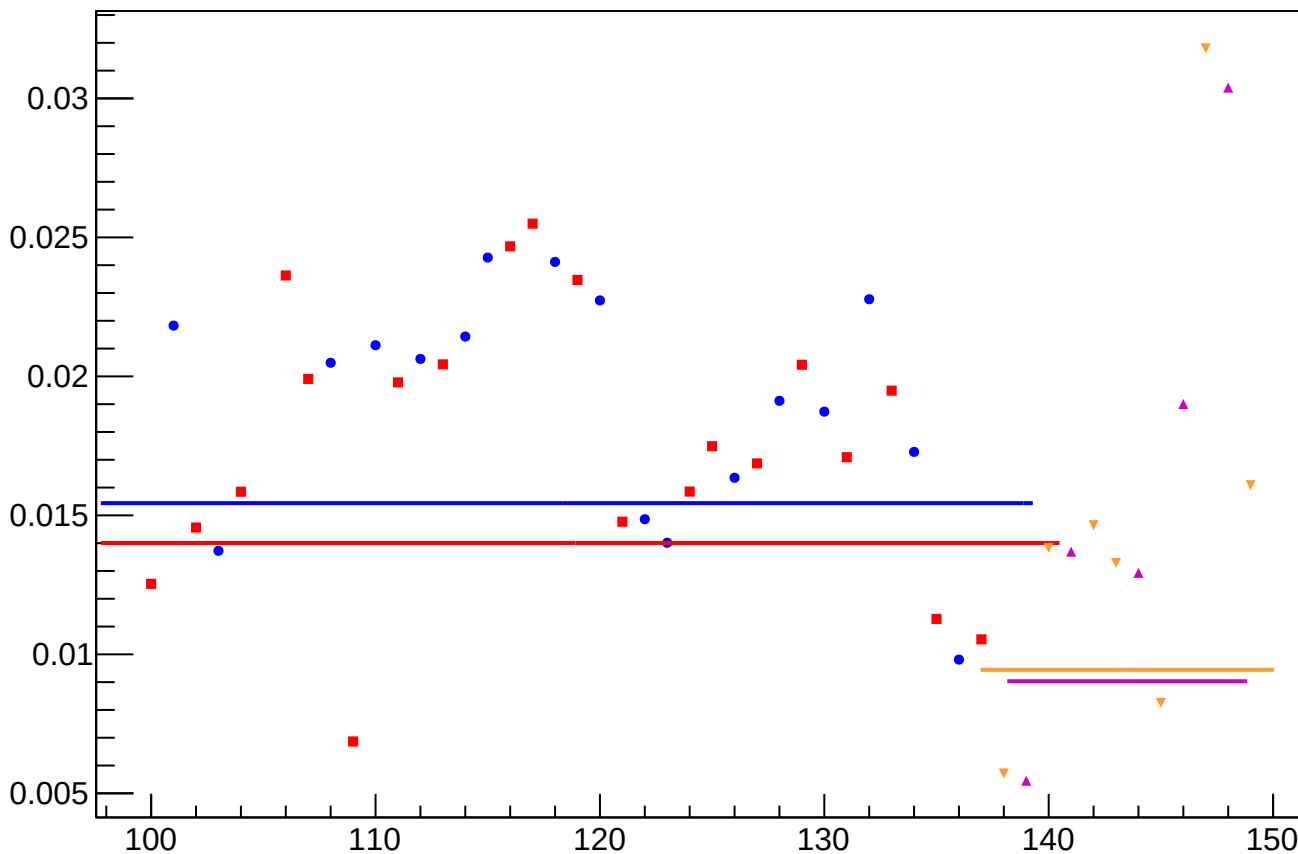
Right Out: 0.152 ± 0.000 χ^2/NDF : 12673501089.9/19

Left In: 0.274 ± 0.000 χ^2/NDF : 9001987891.3/4

-0.001 ± 0.000 χ^2/NDF : 22834071762.6/23

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 : 1895576.1/6

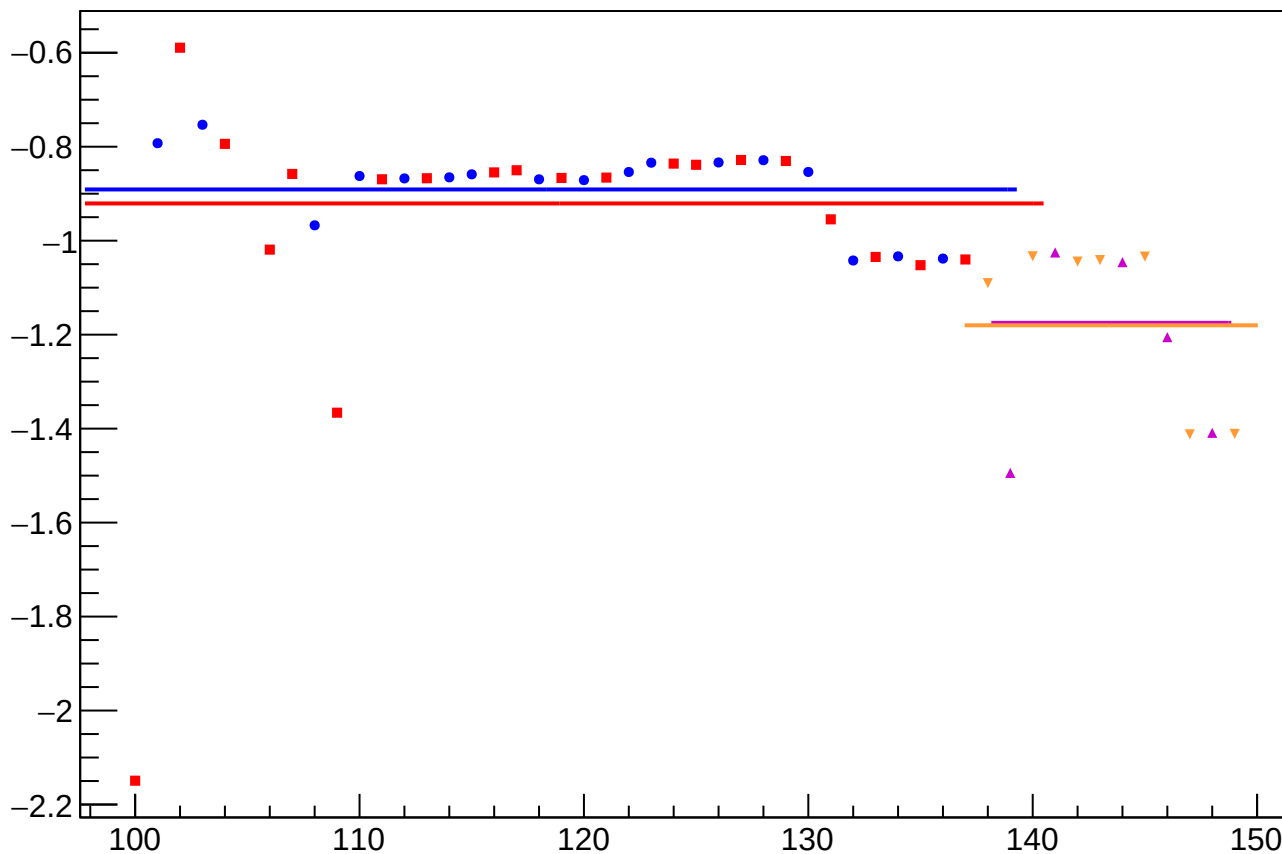
Right Out: 0.014+/-0.000 χ^2/NDF : 1576149.9/19

Left In: 0.009+/-0.000 χ^2/NDF : 2016245.1/4

0.012+/-0.000 χ^2/NDF : 4129890.5/23

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: -1.180 ± 0.000 χ^2/NDF : 140062267.8/6

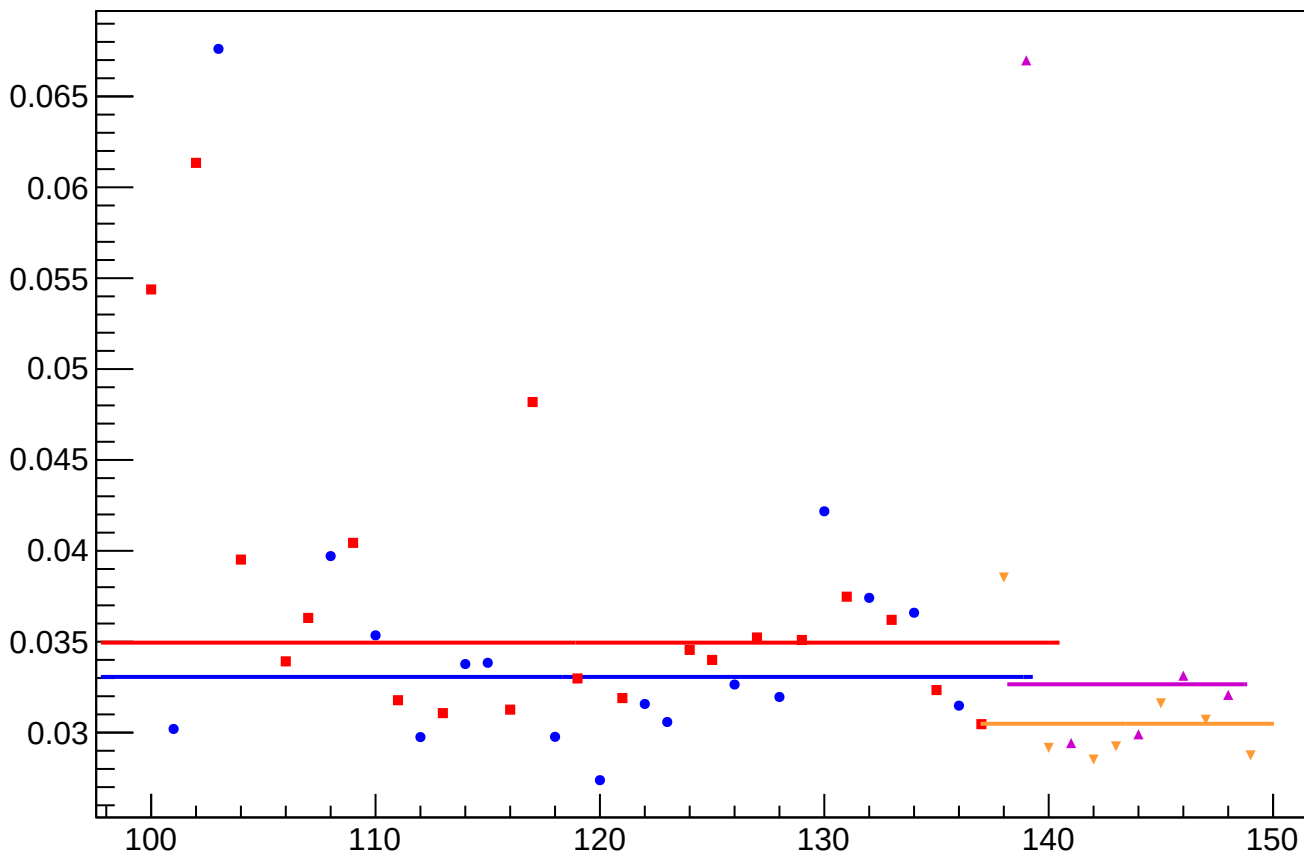
Right Out: -0.921 ± 0.000 χ^2/NDF : 131271770.4/19

Left In: -1.175 ± 0.000 χ^2/NDF : 85871417.0/4

-1.022 ± 0.000 χ^2/NDF : 383003764.9/23

-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: 0.030+/-0.000 χ^2/NDF : 66811.9/6

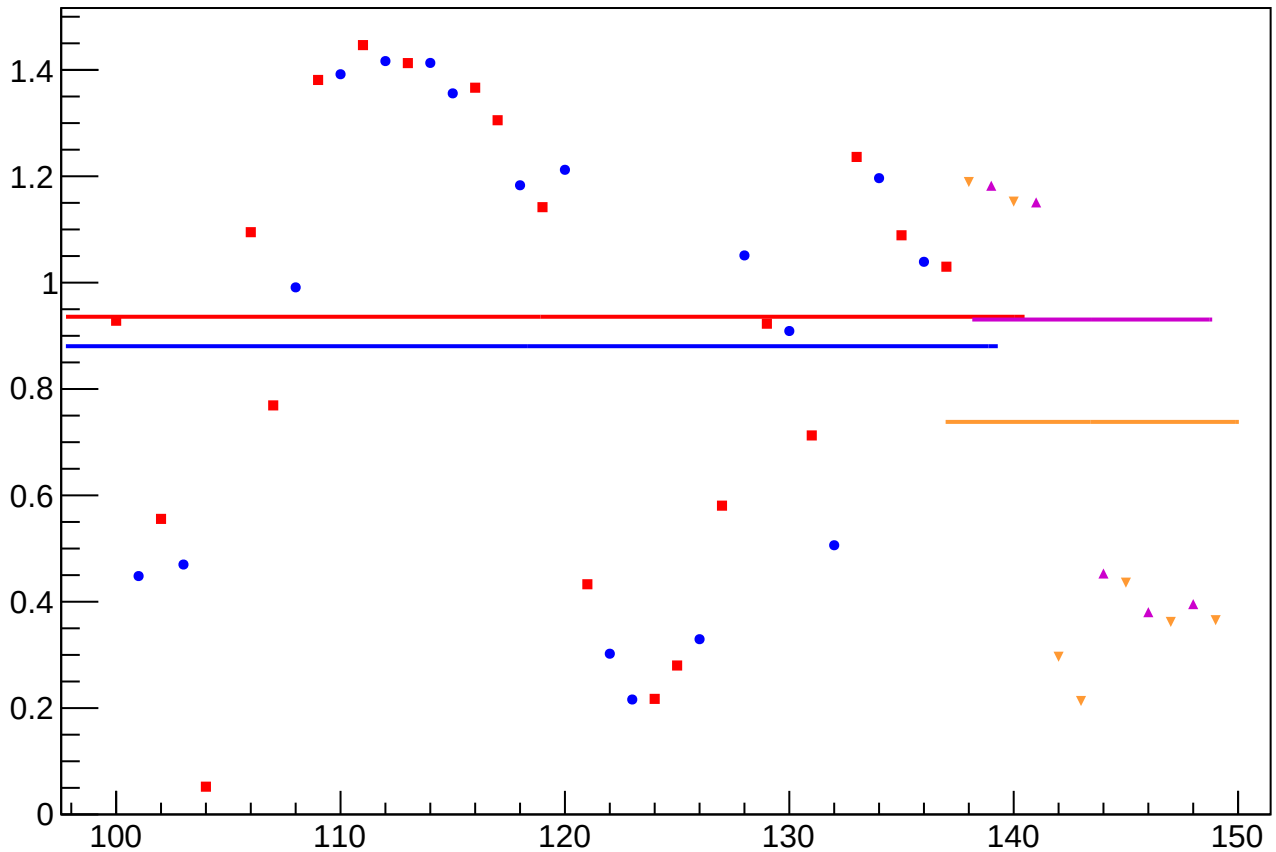
Right Out: 0.035+/-0.000 χ^2/NDF : 280500.4/19

Left In: 0.033+/-0.000 χ^2/NDF : 375516.0/4

0.032+/-0.000 χ^2/NDF : 508402.6/23

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: 0.738 $\pm$ 0.000 χ^2 /NDF: 11903714947.0/6

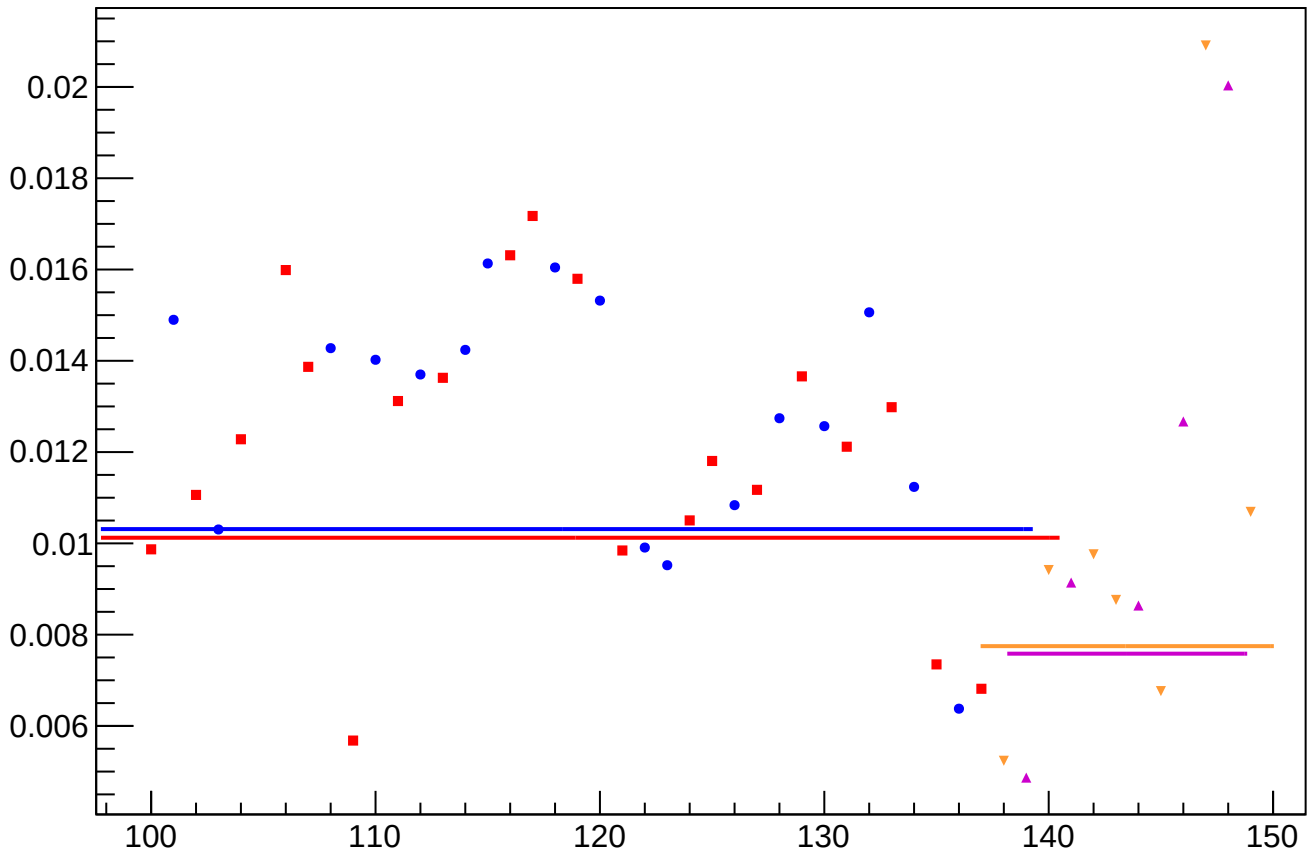
0.800 $\pm$ 0.000 χ^2 /NDF: 18906650514.7/23

Right Out: 0.936 $\pm$ 0.000 χ^2 /NDF: 9851303698.9/19

0.933 $\pm$ 0.000 χ^2 /NDF: 16437600280.5/24

Left In: 0.931 $\pm$ 0.000 χ^2 /NDF: 6585534460.5/4

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1231066.2/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1144587.6/6

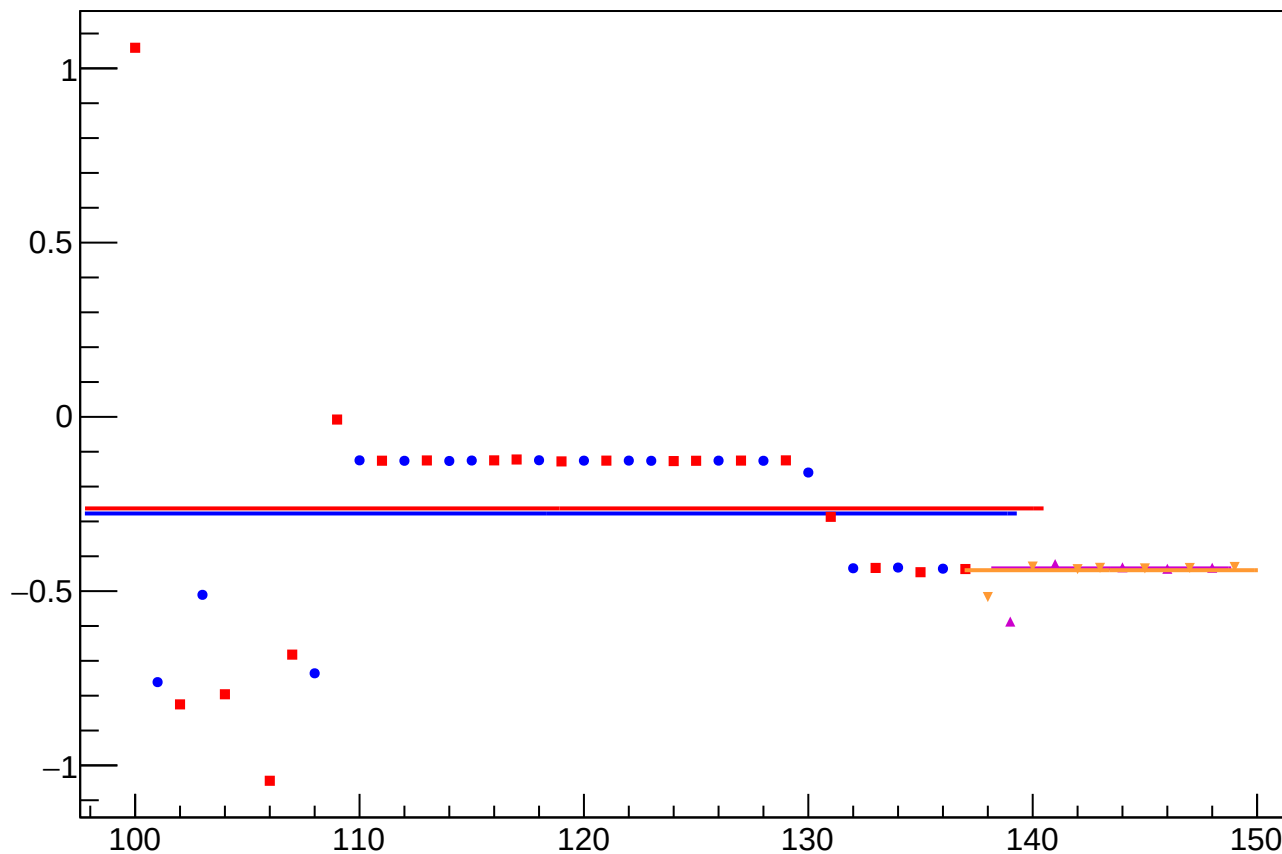
Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1191429.9/19

Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1282342.3/4

0.009 $\pm$ 0.000 χ^2 /NDF: 2767168.9/23

0.009 $\pm$ 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: -0.440+/-0.000 χ^2/NDF : 23687055.2/6

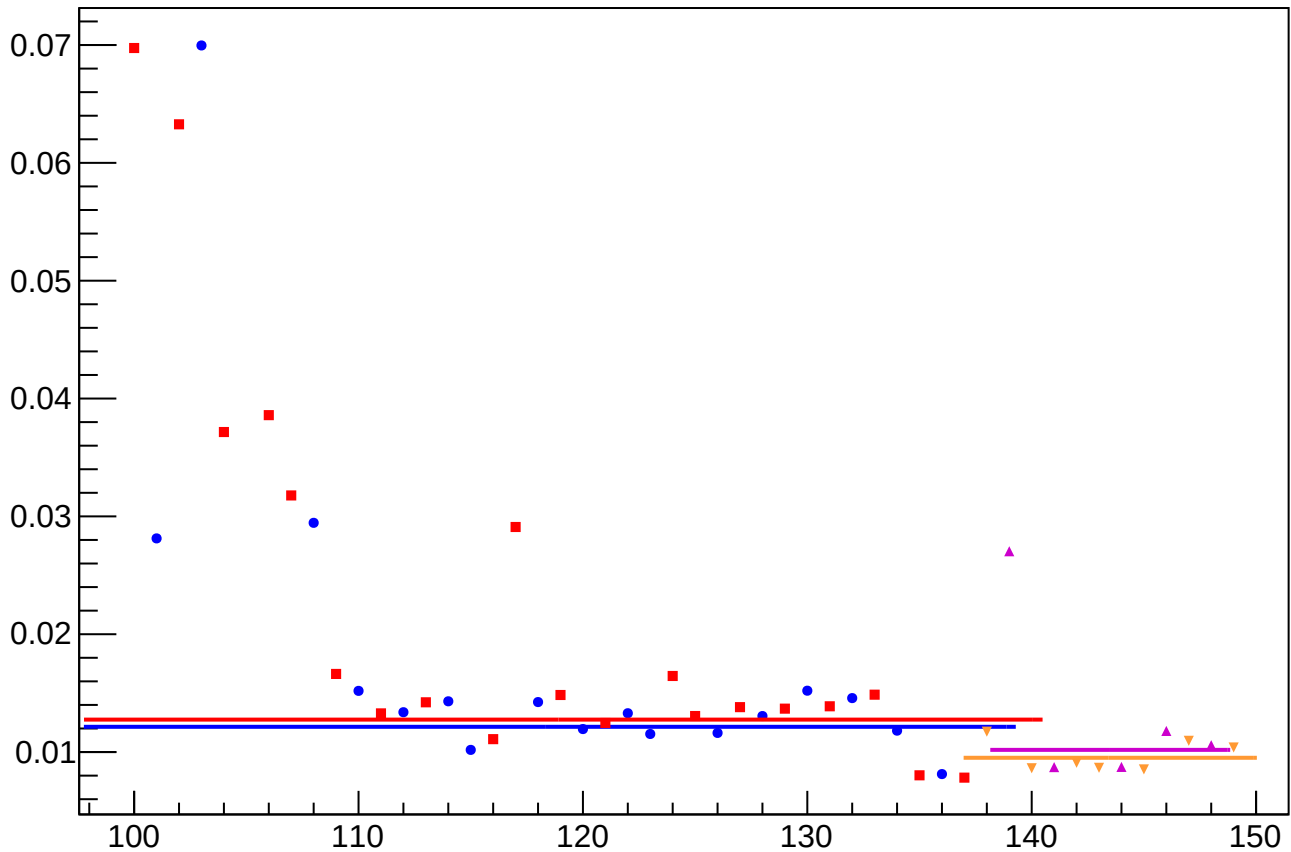
Right Out: -0.263+/-0.000 χ^2/NDF : 1009303829.9/19

Left In: -0.435+/-0.000 χ^2/NDF : 22553107.7/4

-0.370+/-0.000 χ^2/NDF : 1446735811.1/23

-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: 0.010 $\pm$ 0.000 χ^2 /NDF:107723.5/6

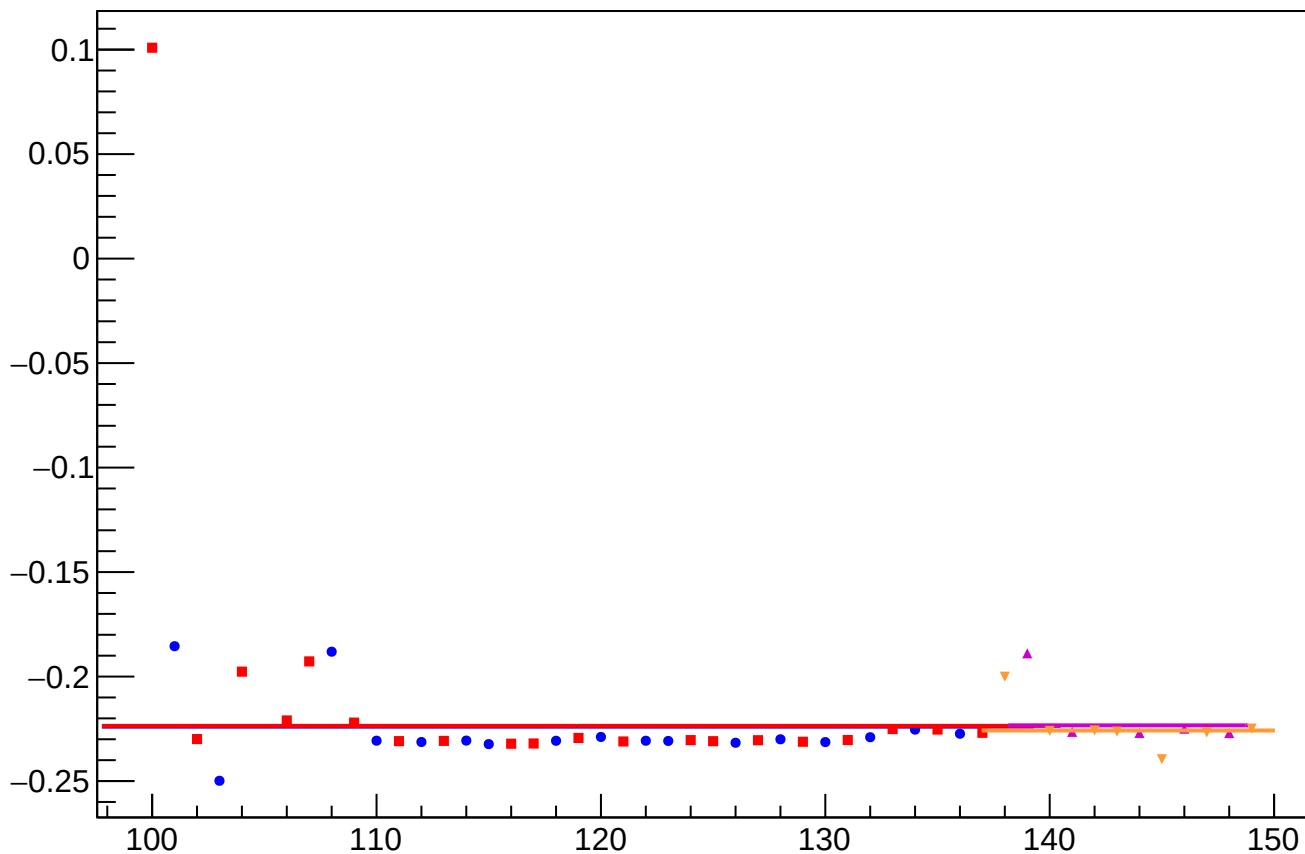
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1993726.2/19

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:615127.8/4

0.011 $\pm$ 0.000 χ^2 /NDF: 2086792.6/23

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 : 20512481.1/6

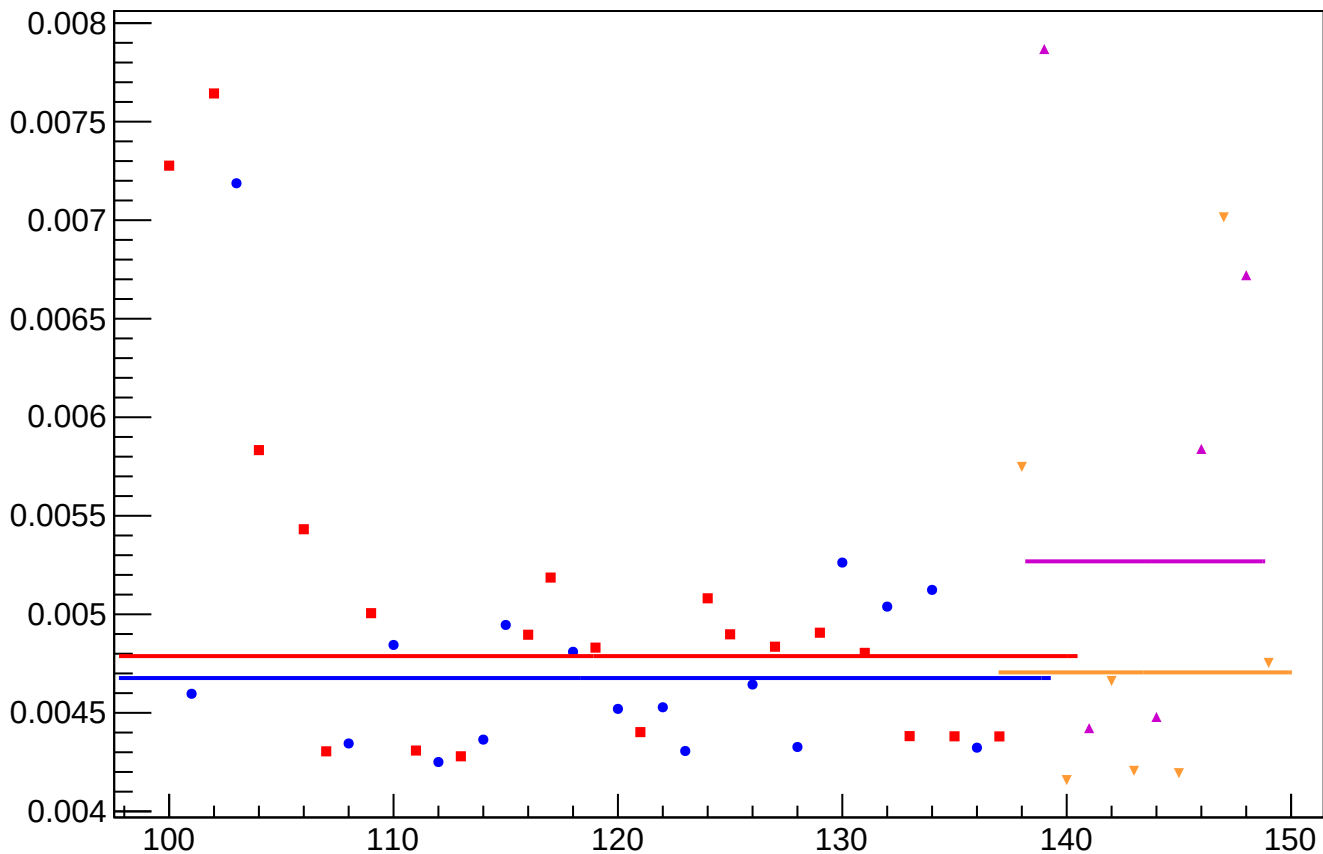
Right Out: -0.224+/-0.000 χ^2/NDF : 168231258.4/19

Left In: -0.223+/-0.000 χ^2/NDF : 13499904.7/4

-0.225+/-0.000 χ^2/NDF : 95616508.0/23

-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 : 271602.9/6

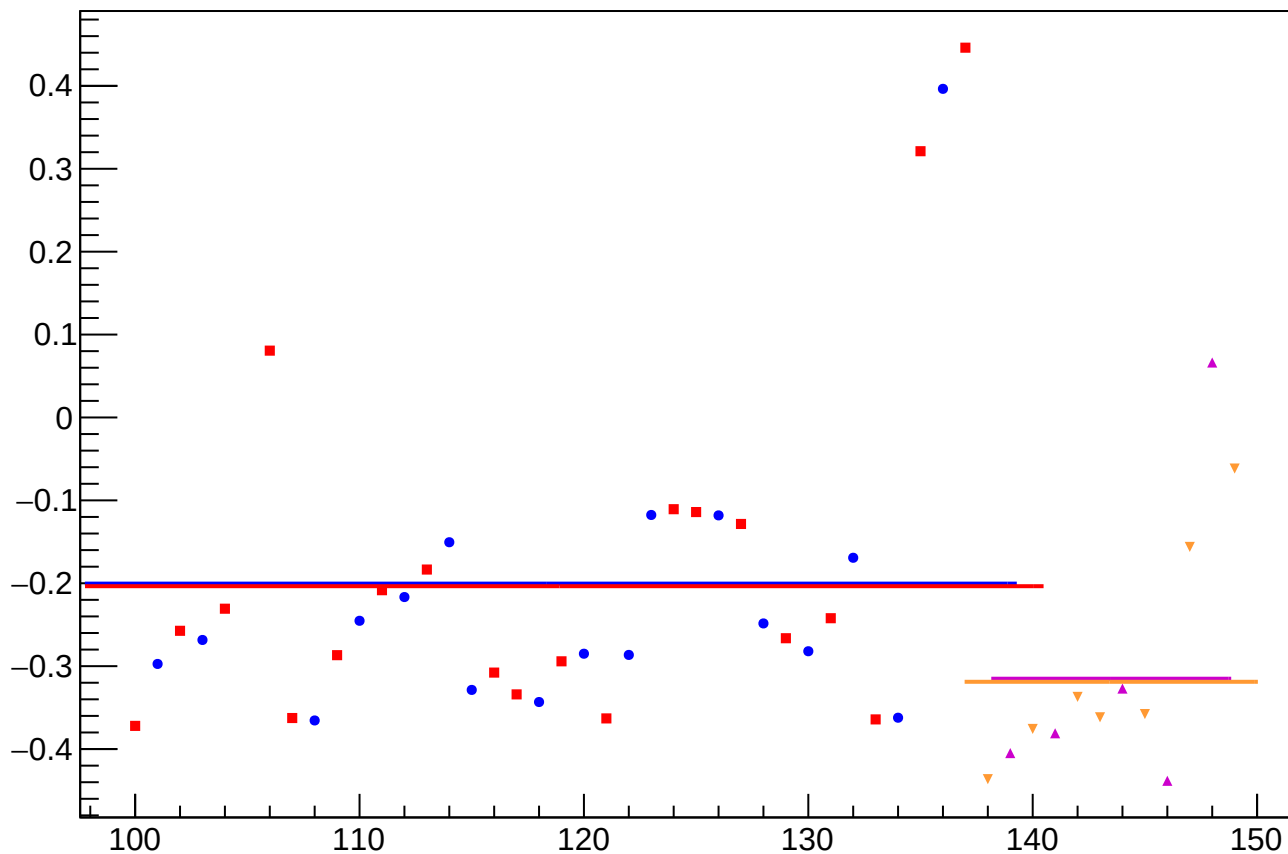
Right Out: 0.005+/-0.000 χ^2/NDF : 248668.3/19

Left In: 0.005+/-0.000 χ^2/NDF : 330319.5/4

0.005+/-0.000 χ^2/NDF : 453130.0/23

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: -0.319+/-0.000 χ^2/NDF : 2284642102.9/6

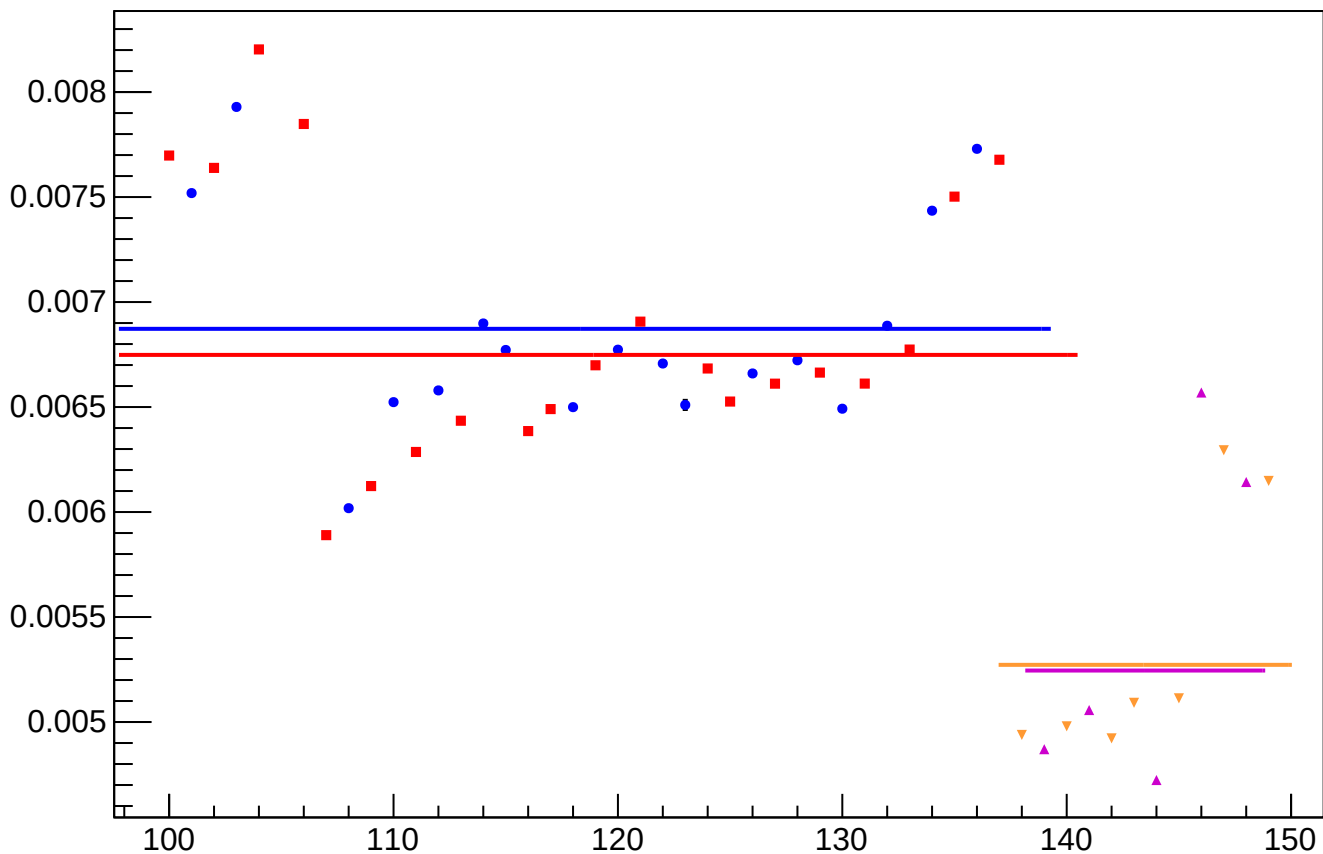
Right Out: -0.204+/-0.000 χ^2/NDF : 5045878528.0/19

Left In: -0.315+/-0.000 χ^2/NDF : 3198074239.6/4

-0.264+/-0.000 χ^2/NDF : 9309574171.5/23

-0.255+/-0.000 χ^2/NDF : 9111763136.5/24

yield_bpm0i02X_rms vs Slug



Right In: 0.007 ± 0.000 $\chi^2/NDF: 78611.6/16$

Left Out: 0.005 ± 0.000 $\chi^2/NDF: 82120.8/6$

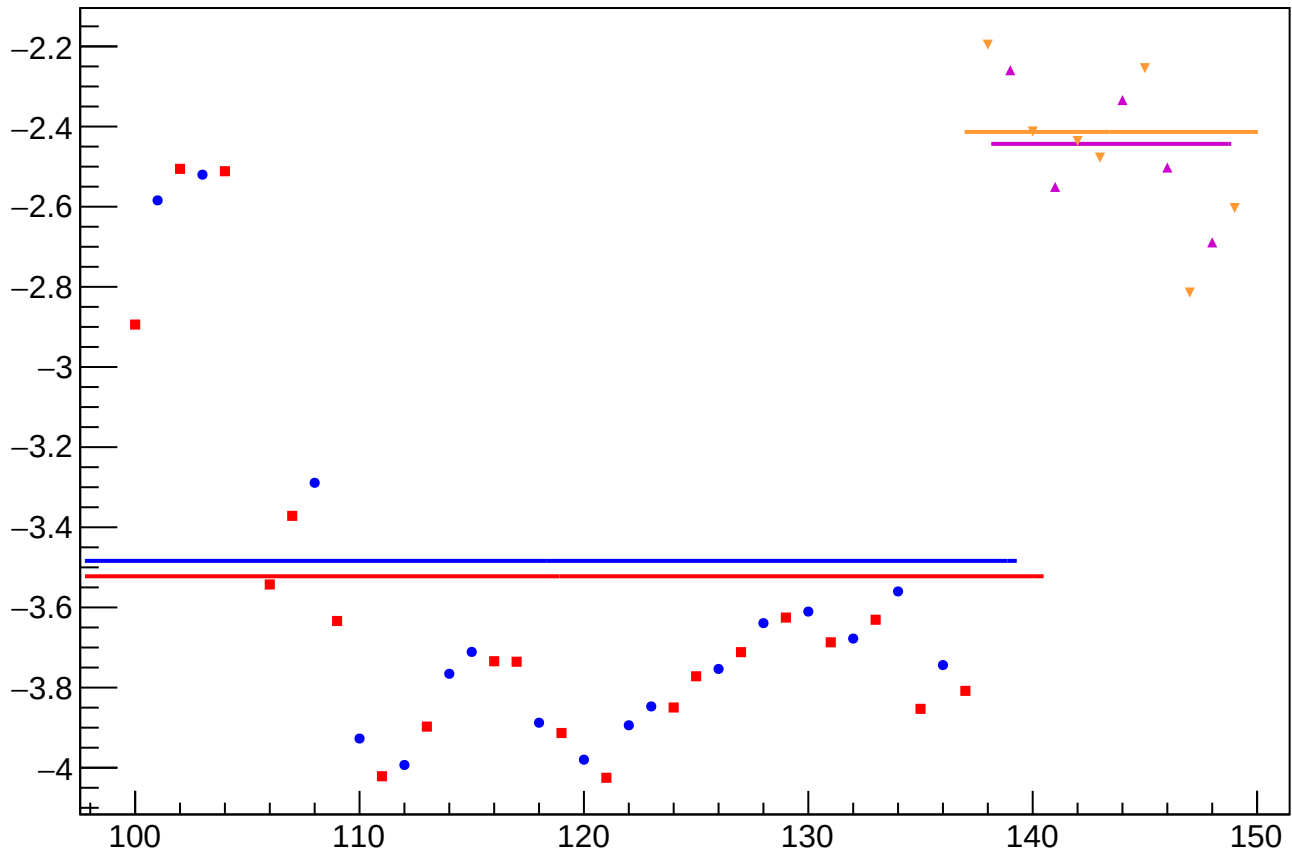
Right Out: 0.007 ± 0.000 $\chi^2/NDF: 105262.1/19$

Left In: 0.005 ± 0.000 $\chi^2/NDF: 109819.8/4$

0.006 ± 0.000 $\chi^2/NDF: 544713.4/23$

0.006 ± 0.000 $\chi^2/NDF: 529909.1/24$

yield_bpm0i02Y_mean vs Slug



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.413+/-0.000 χ^2/NDF : 1260603059.6/6

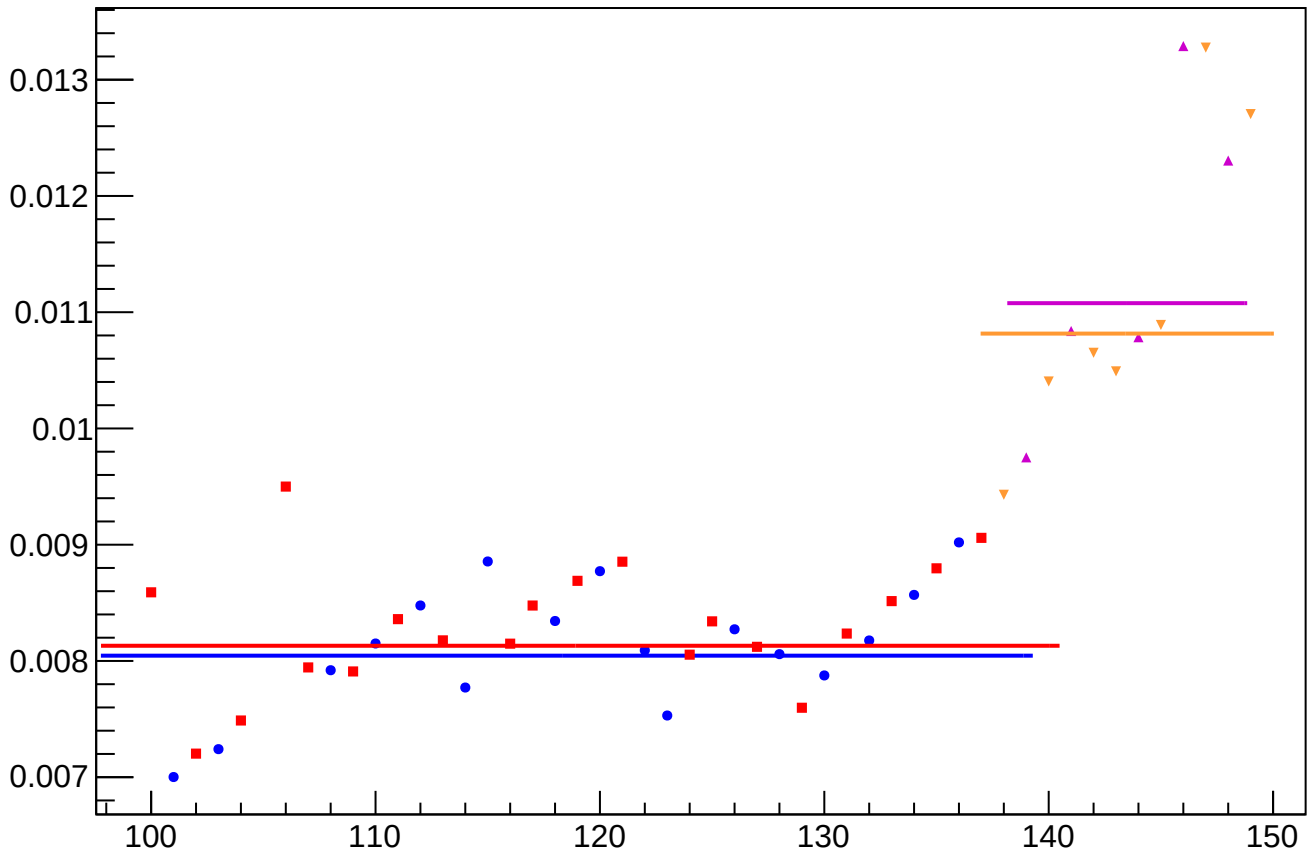
-3.189+/-0.000 χ^2/NDF : 60193468520.1/23

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 :107388.5/6

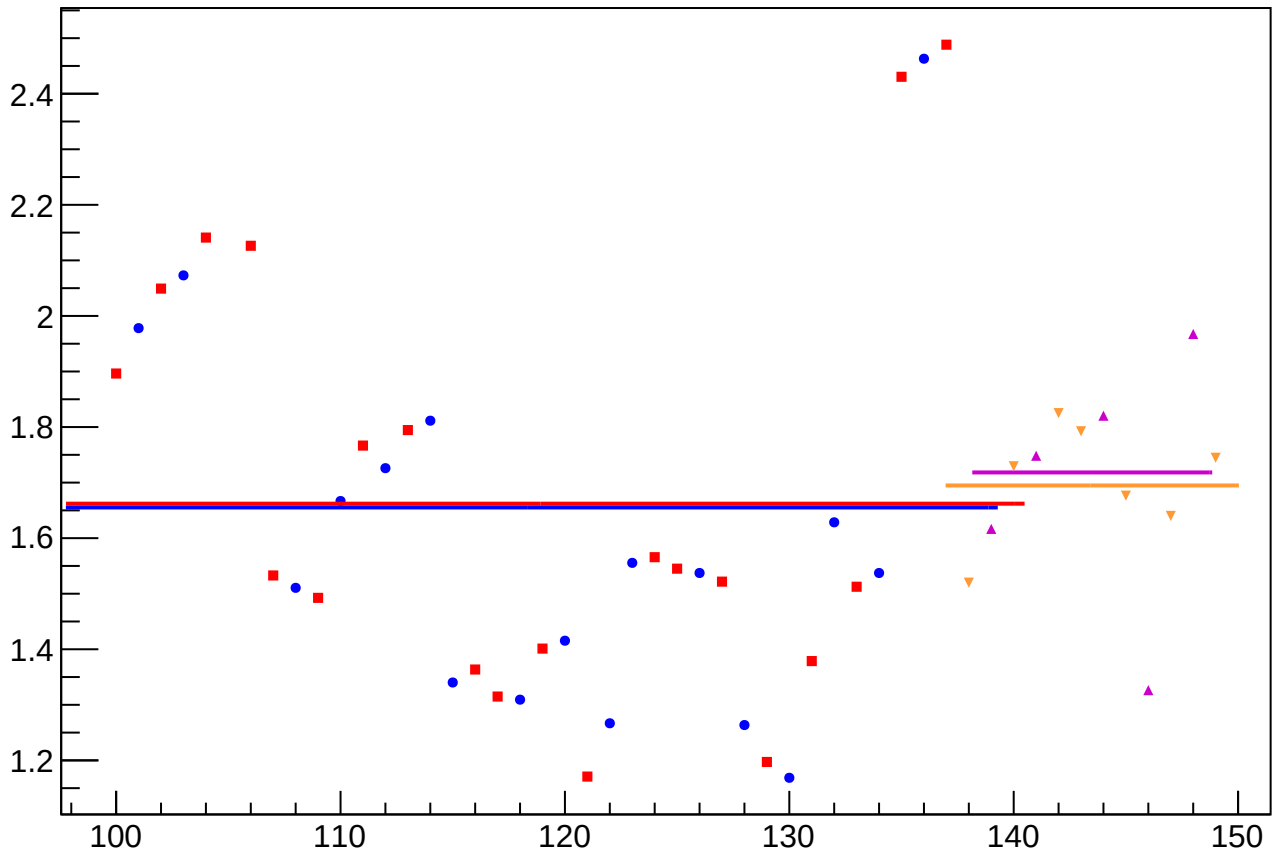
Right Out: 0.008+/-0.000 χ^2/NDF : 57613.2/19

Left In: 0.011+/-0.000 χ^2/NDF :74316.4/4

0.009+/-0.000 χ^2/NDF : 604953.6/23

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: 1.695+/-0.000 χ^2/NDF : 331646464.1/6

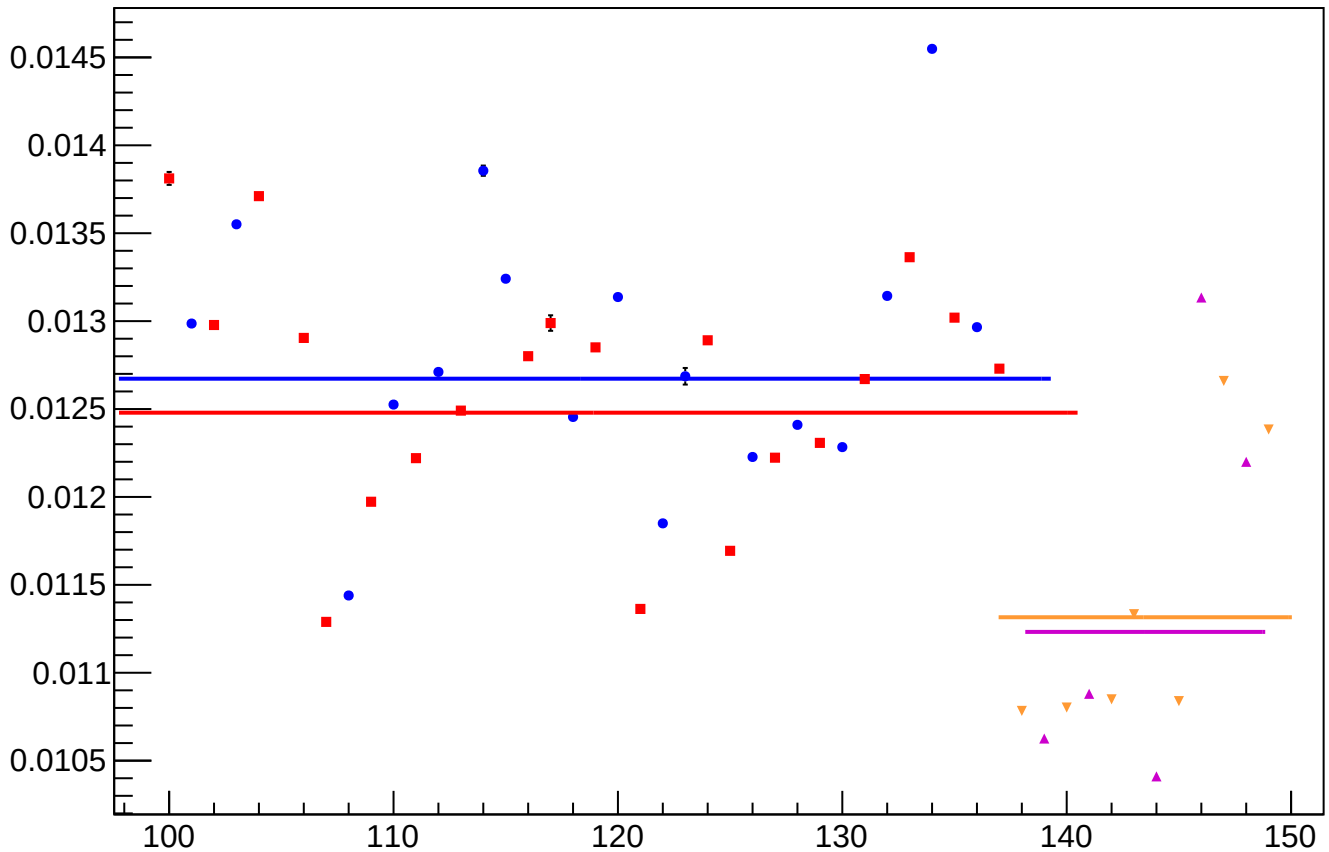
1.674+/-0.000 χ^2/NDF : 6838497378.8/23

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 : 38522.5/6

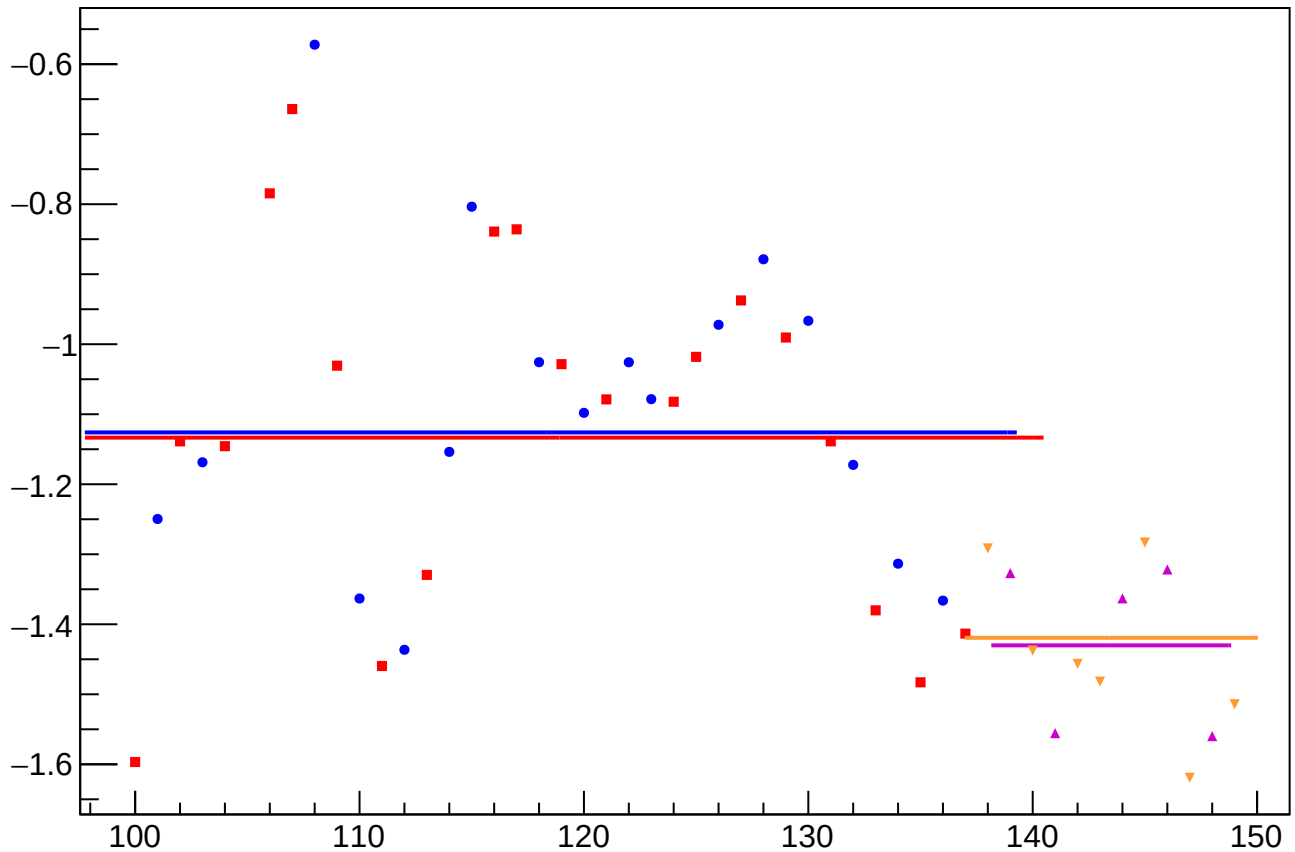
Right Out: 0.012+/-0.000 χ^2/NDF : 39268.9/19

Left In: 0.011+/-0.000 χ^2/NDF : 54669.7/4

0.012+/-0.000 χ^2/NDF : 141673.2/23

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

Left Out: -1.419 ± 0.000 χ^2/NDF : 659191387.4/6

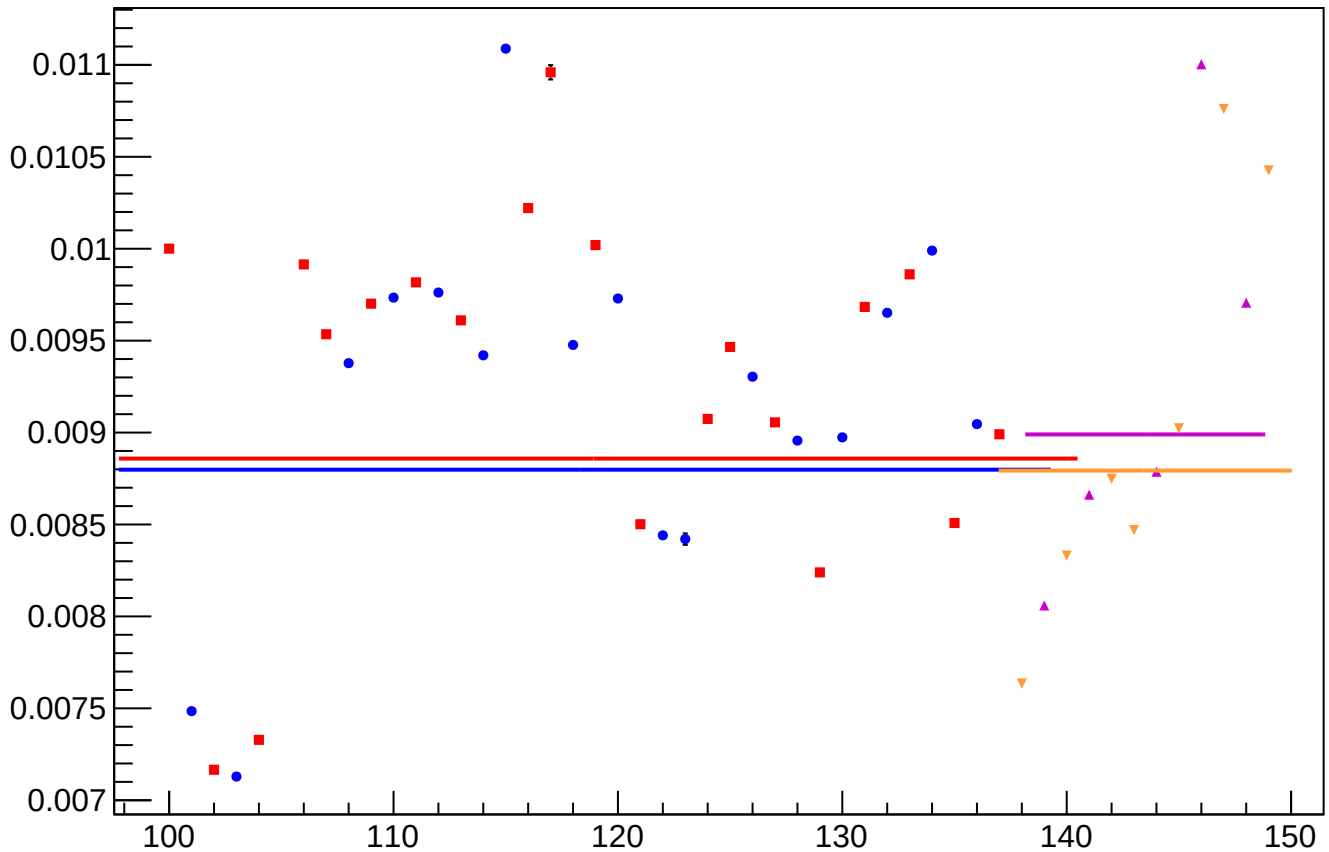
-1.246 ± 0.000 χ^2/NDF : 7143993334.0/23

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 :114507.1/6

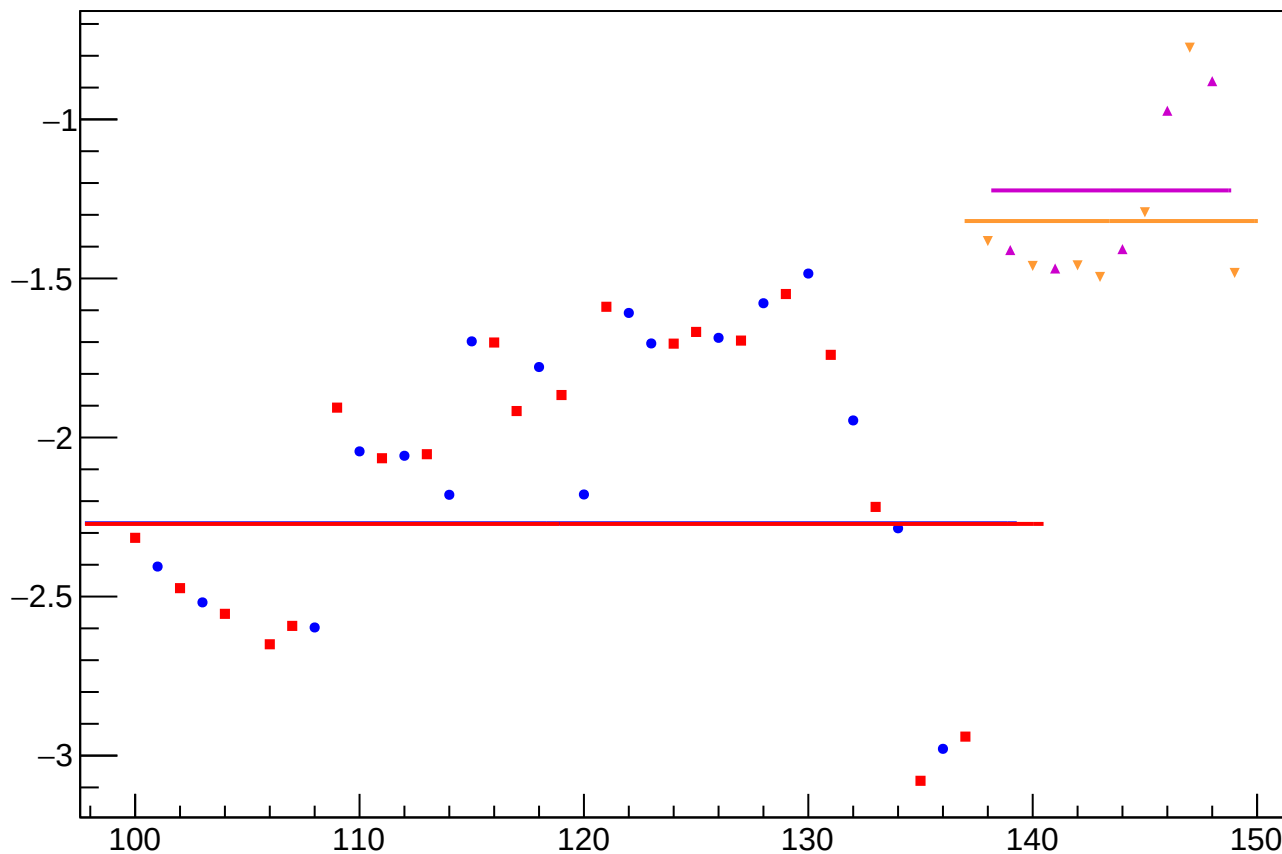
Right Out: 0.009+/-0.000 χ^2/NDF : 176858.0/19

Left In: 0.009+/-0.000 χ^2/NDF :69160.2/4

0.009+/-0.000 χ^2/NDF : 266095.6/23

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: -1.320+/-0.000 χ^2/NDF : 5184761351.6/6

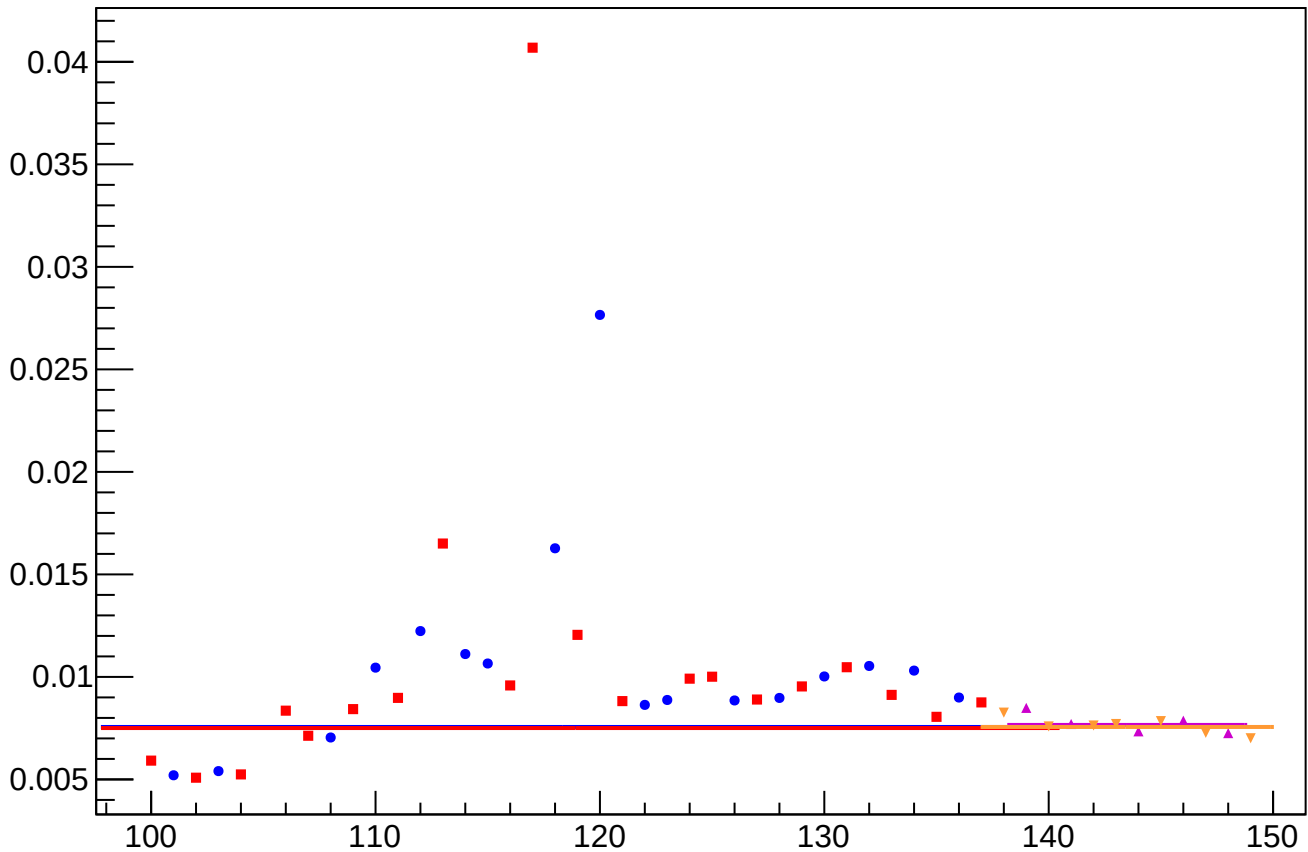
Right Out: -2.272+/-0.000 χ^2/NDF : 19012236430.2/19

Left In: -1.223+/-0.000 χ^2/NDF : 4072104226.9/4

-1.818+/-0.000 χ^2/NDF : 60428588511.2/23

-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 :22797.6/6

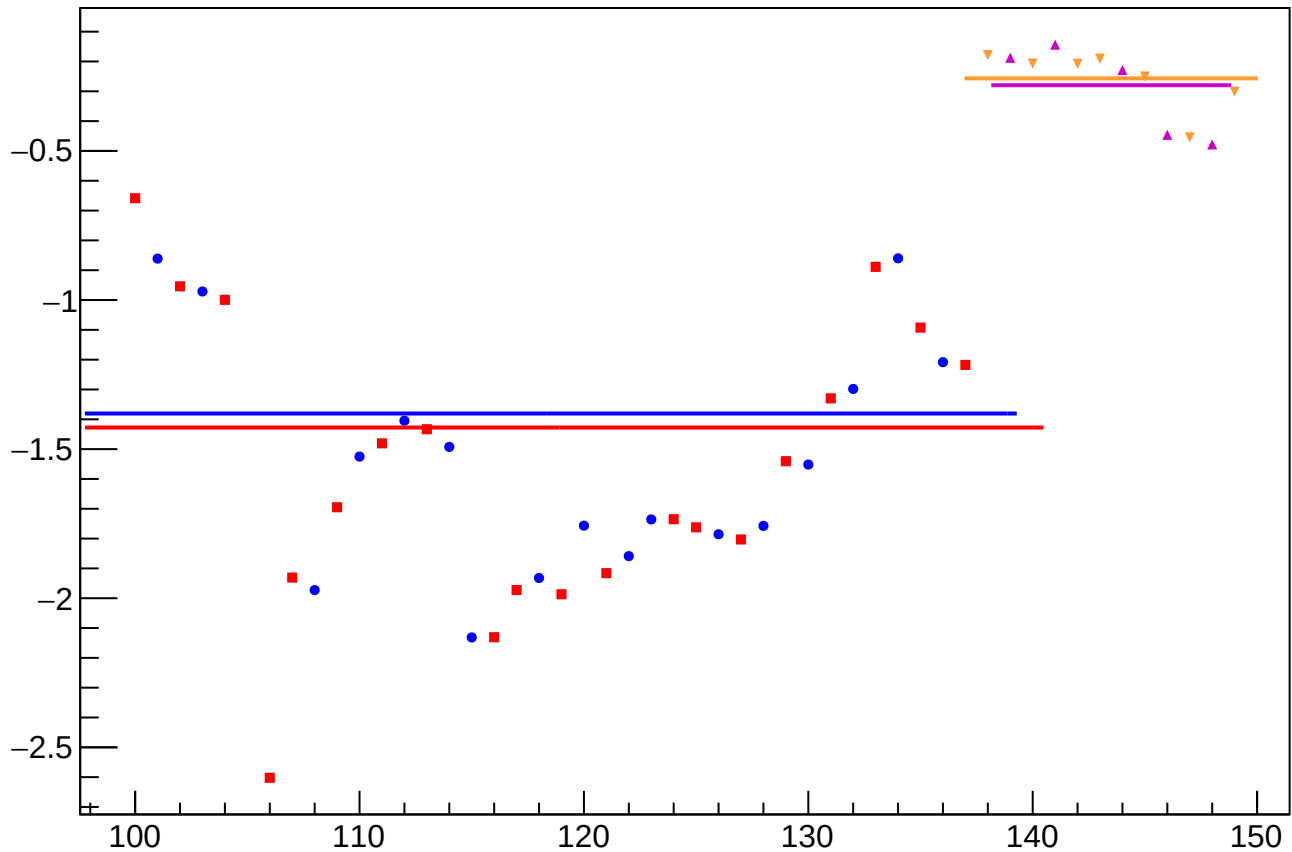
Right Out: 0.008+/-0.000 χ^2/NDF : 984811.6/19

Left In: 0.008+/-0.000 χ^2/NDF :20746.0/4

0.008+/-0.000 χ^2/NDF : 1243801.6/23

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: -0.257+/-0.000 χ^2/NDF : 2123154834.9/6

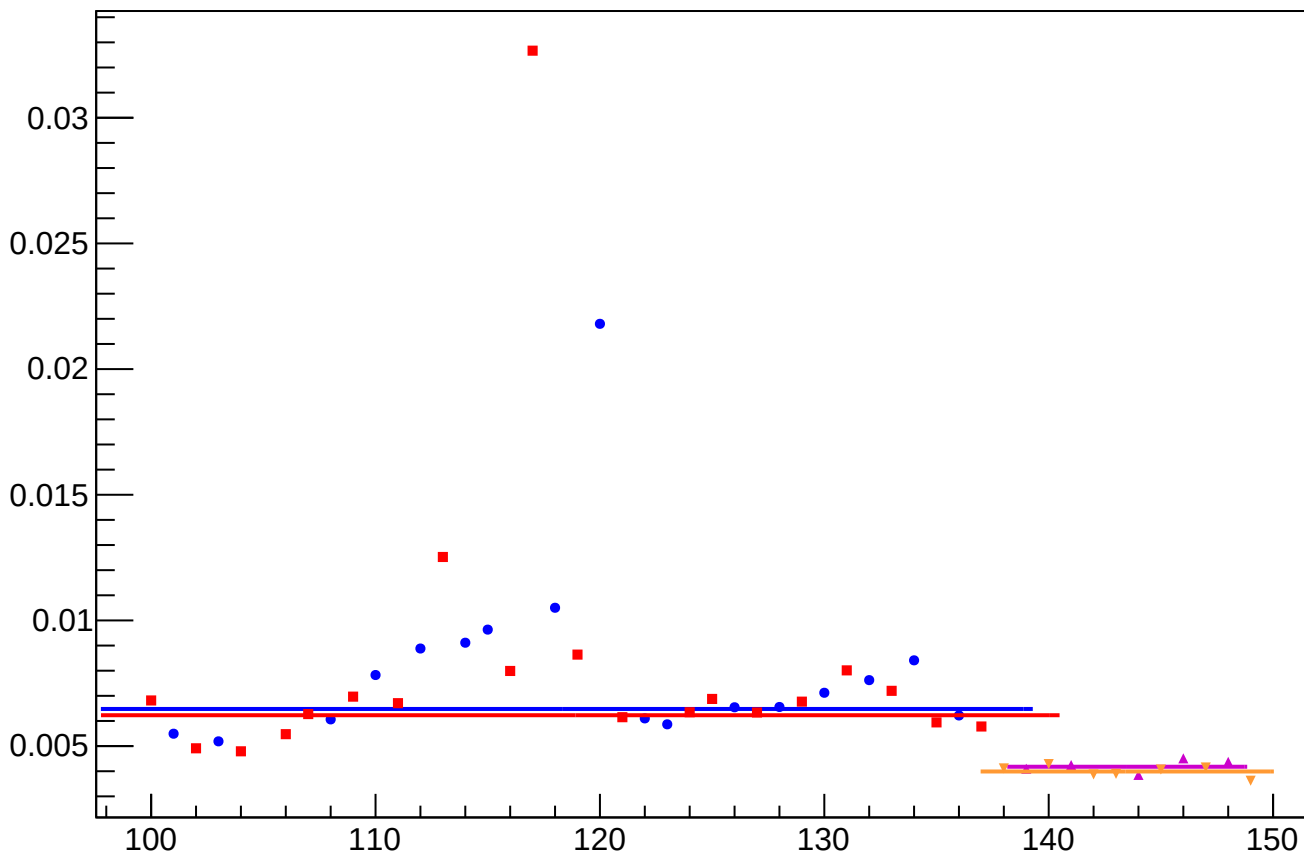
-0.614+/-0.000 χ^2/NDF : 134004100092.8/23

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 : 26229.3/6

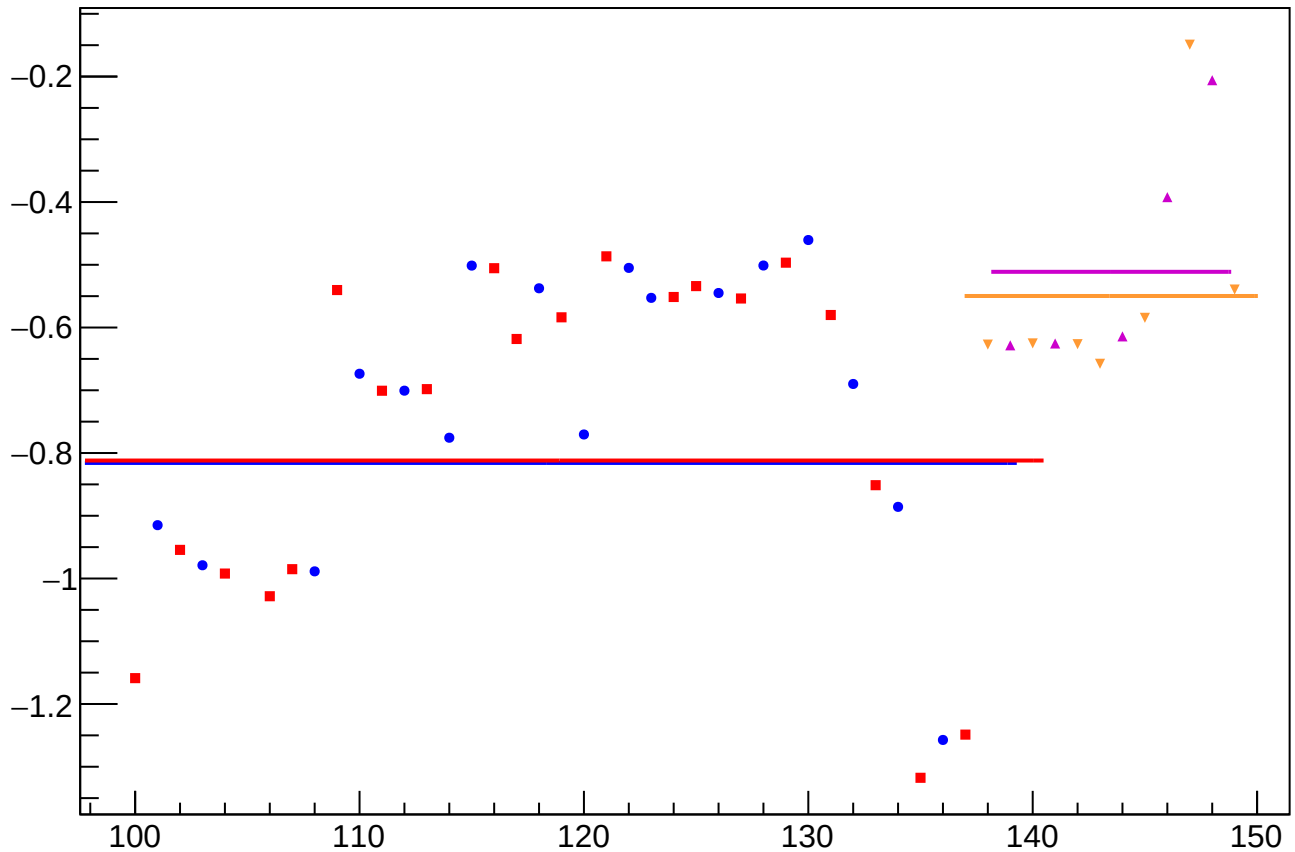
Right Out: 0.006+/-0.000 χ^2/NDF : 472534.6/19

Left In: 0.004+/-0.000 χ^2/NDF : 22130.6/4

0.005+/-0.000 χ^2/NDF : 1695171.5/23

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: -0.550+/-0.000 χ^2/NDF : 3823891387.4/6

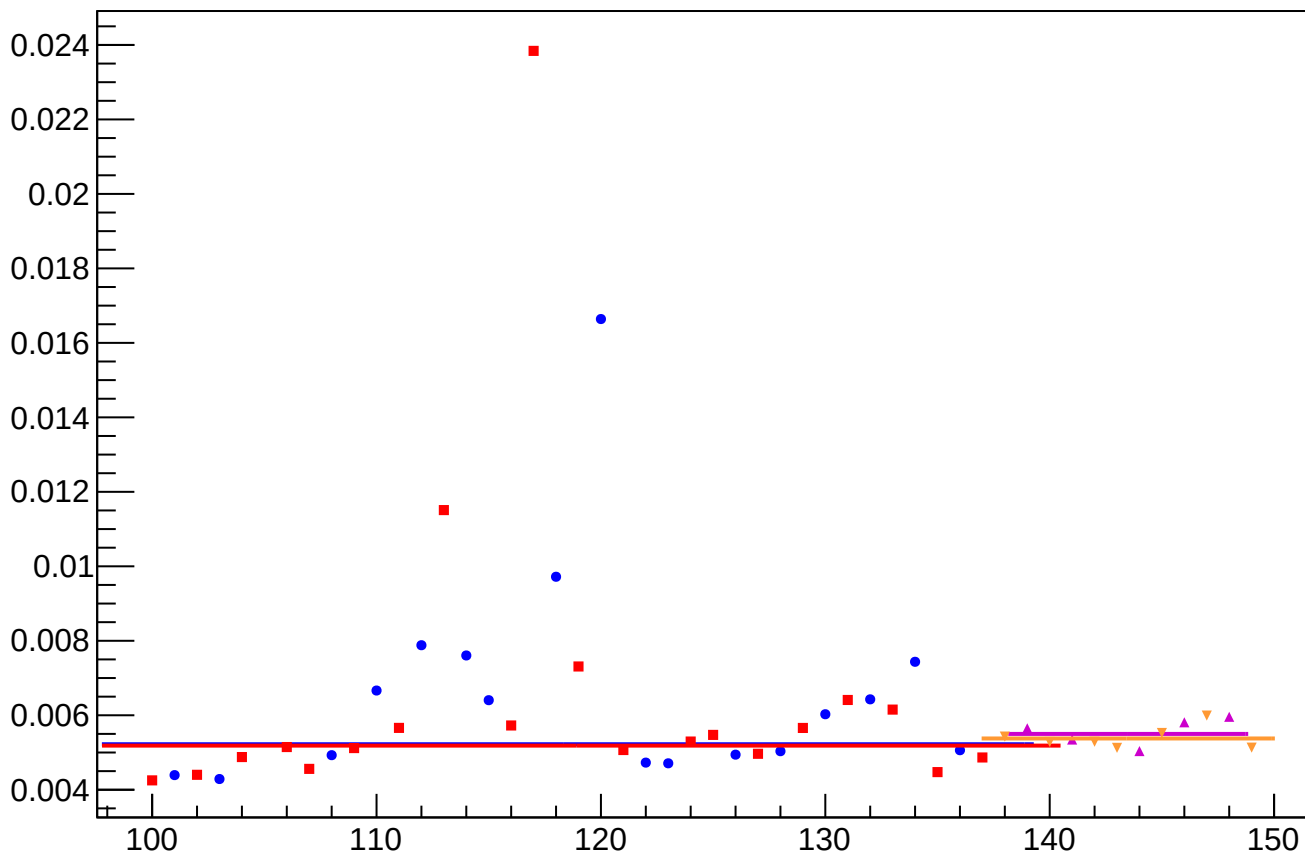
-0.698+/-0.000 χ^2/NDF : 24155246177.4/23

Right Out: -0.812+/-0.000 χ^2/NDF : 16818378599.3/19

-0.705+/-0.000 χ^2/NDF : 27157455657.4/24

Left In: -0.511+/-0.000 χ^2/NDF : 3221939228.4/4

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 :23013.8/6

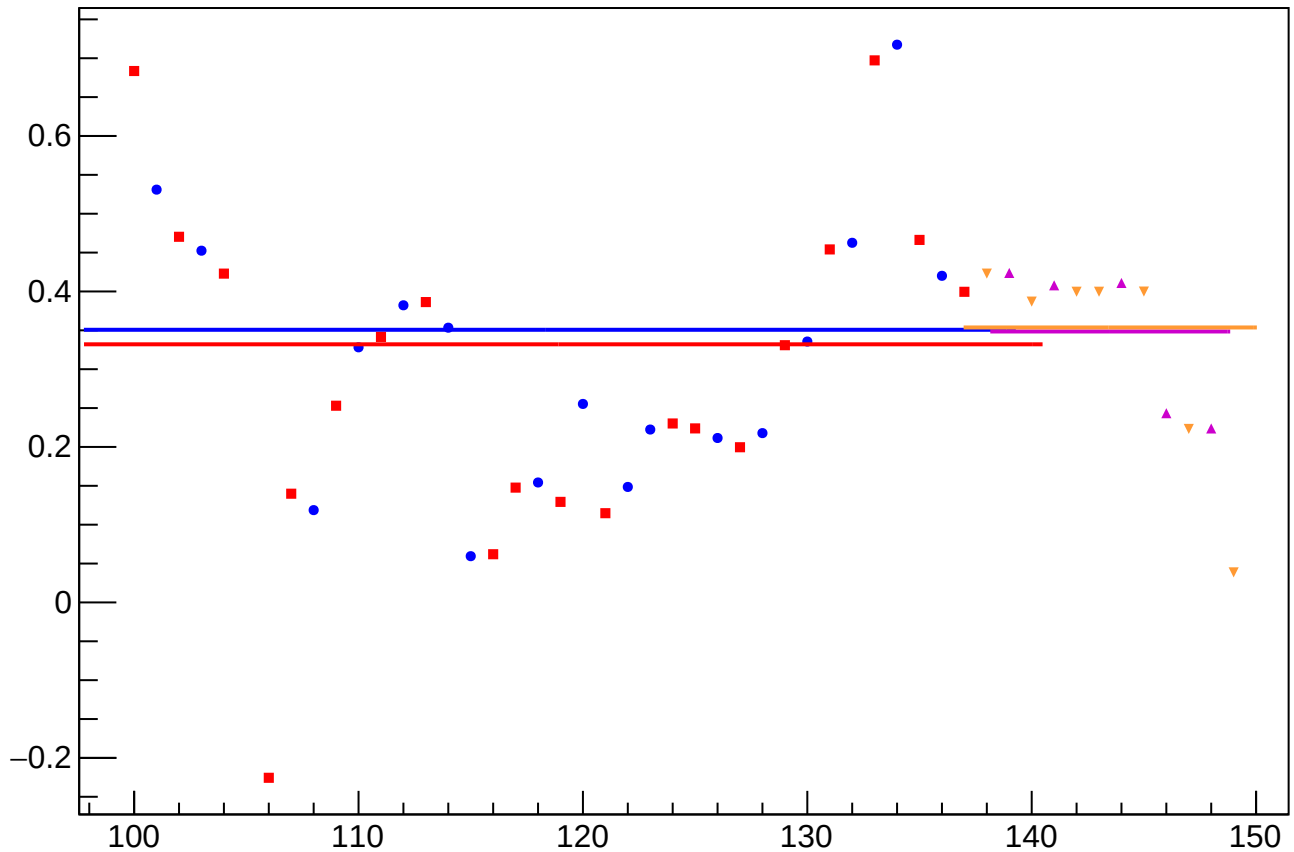
Right Out: 0.005+/-0.000 χ^2/NDF : 410640.5/19

Left In: 0.005+/-0.000 χ^2/NDF :28725.7/4

0.005+/-0.000 χ^2/NDF : 691601.2/23

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: 0.354+/-0.000 χ^2/NDF : 3459000905.4/6

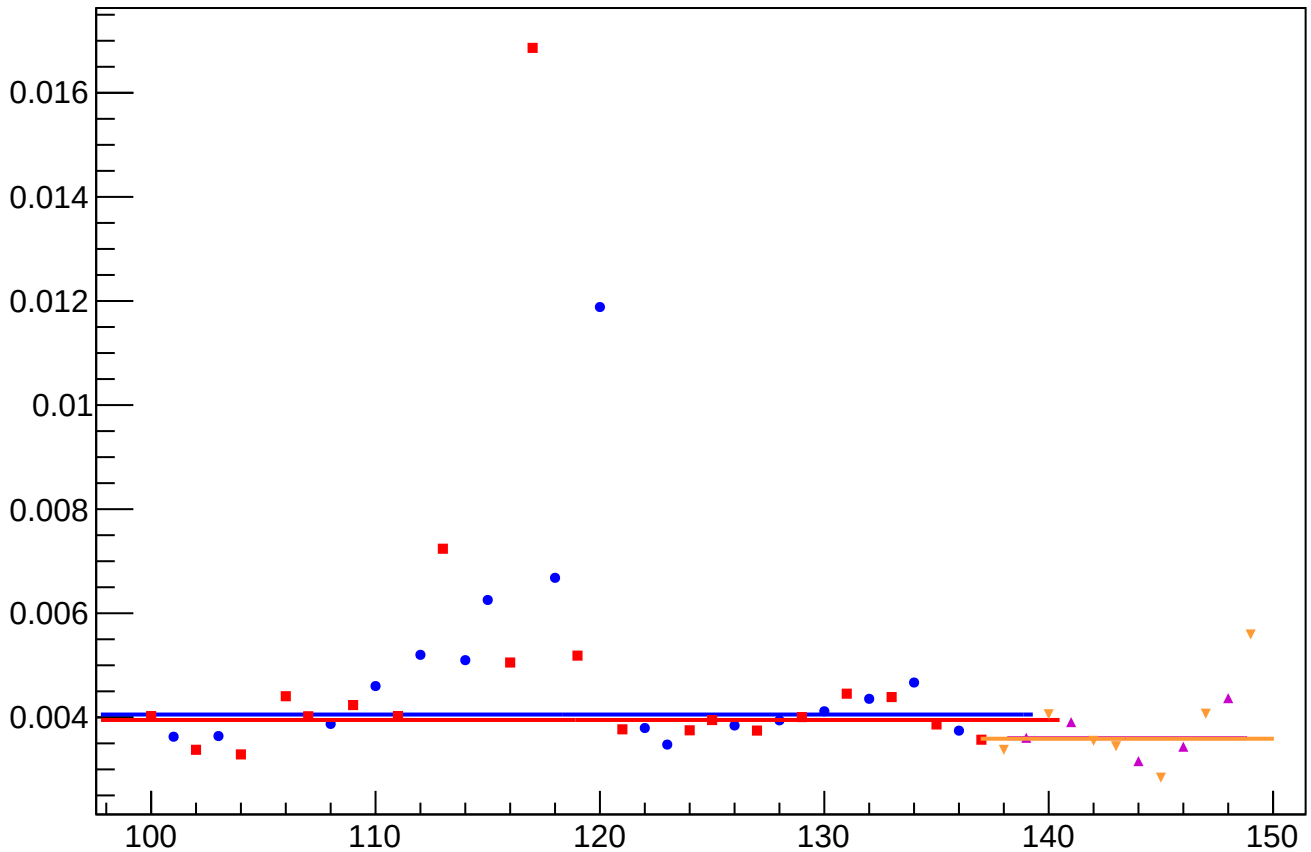
0.352+/-0.000 χ^2/NDF : 10871312487.2/23

Right Out: 0.332+/-0.000 χ^2/NDF : 11800695210.2/19

0.339+/-0.000 χ^2/NDF : 13732401820.8/24

Left In: 0.349+/-0.000 χ^2/NDF : 1889455241.4/4

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 455318.3/16

Left Out: 0.004+/-0.000 χ^2/NDF :310555.6/6

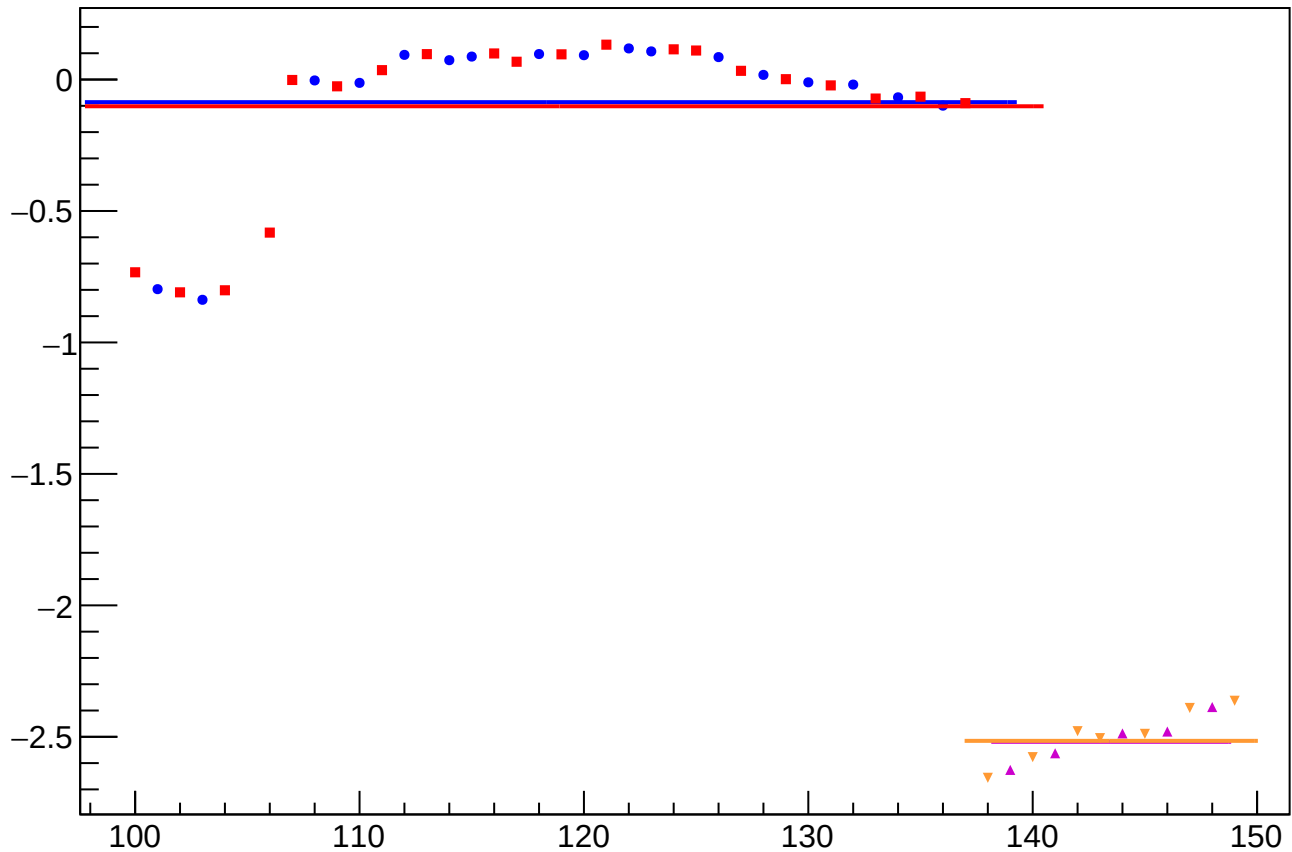
Right Out: 0.004+/-0.000 χ^2/NDF : 304954.7/19

Left In: 0.004+/-0.000 χ^2/NDF :84533.3/4

0.004+/-0.000 χ^2/NDF : 836366.8/23

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: -2.515+/-0.000 χ^2/NDF : 196095441.2/6

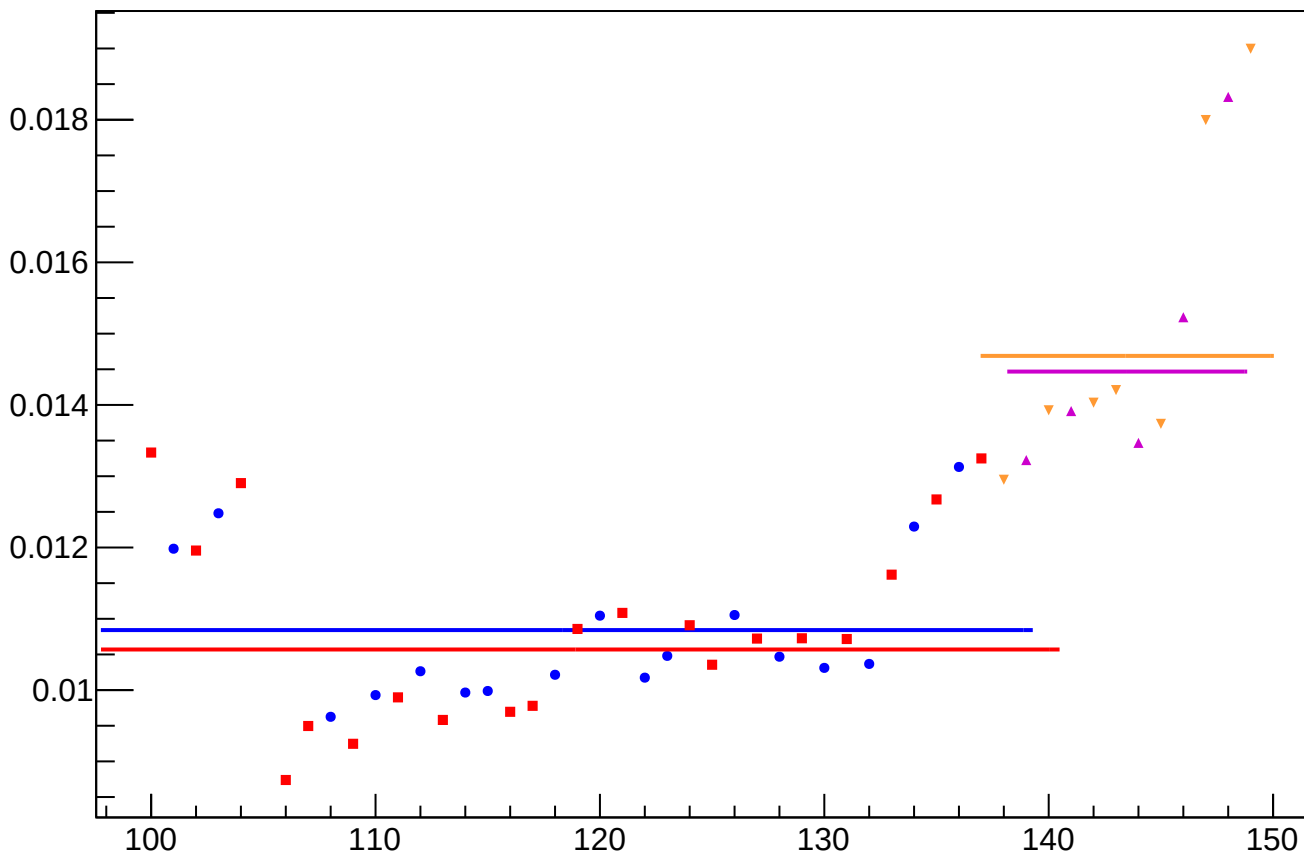
Right Out: -0.102+/-0.000 χ^2/NDF : 5566142794.2/19

Left In: -2.519+/-0.000 χ^2/NDF : 104593831.0/4

-0.778+/-0.000 χ^2/NDF : 100125731867.7/23

-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: 0.015+/-0.000 χ^2/NDF :176182.4/6

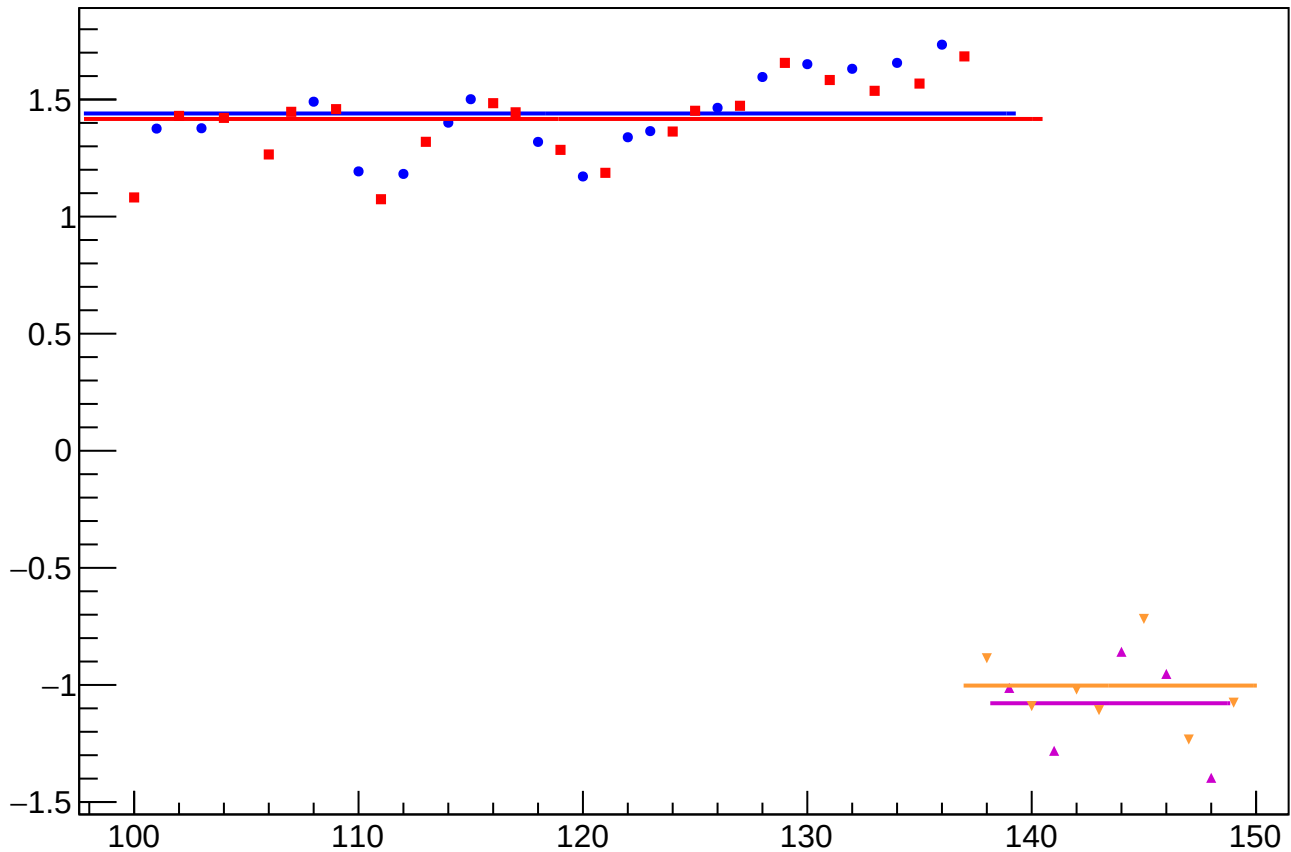
Right Out: 0.011+/-0.000 χ^2/NDF : 179537.7/19

Left In: 0.014+/-0.000 χ^2/NDF :99429.6/4

0.012+/-0.000 χ^2/NDF : 776376.0/23

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: -1.003 $\pm$ 0.000 χ^2 /NDF: 1103112748.0/6

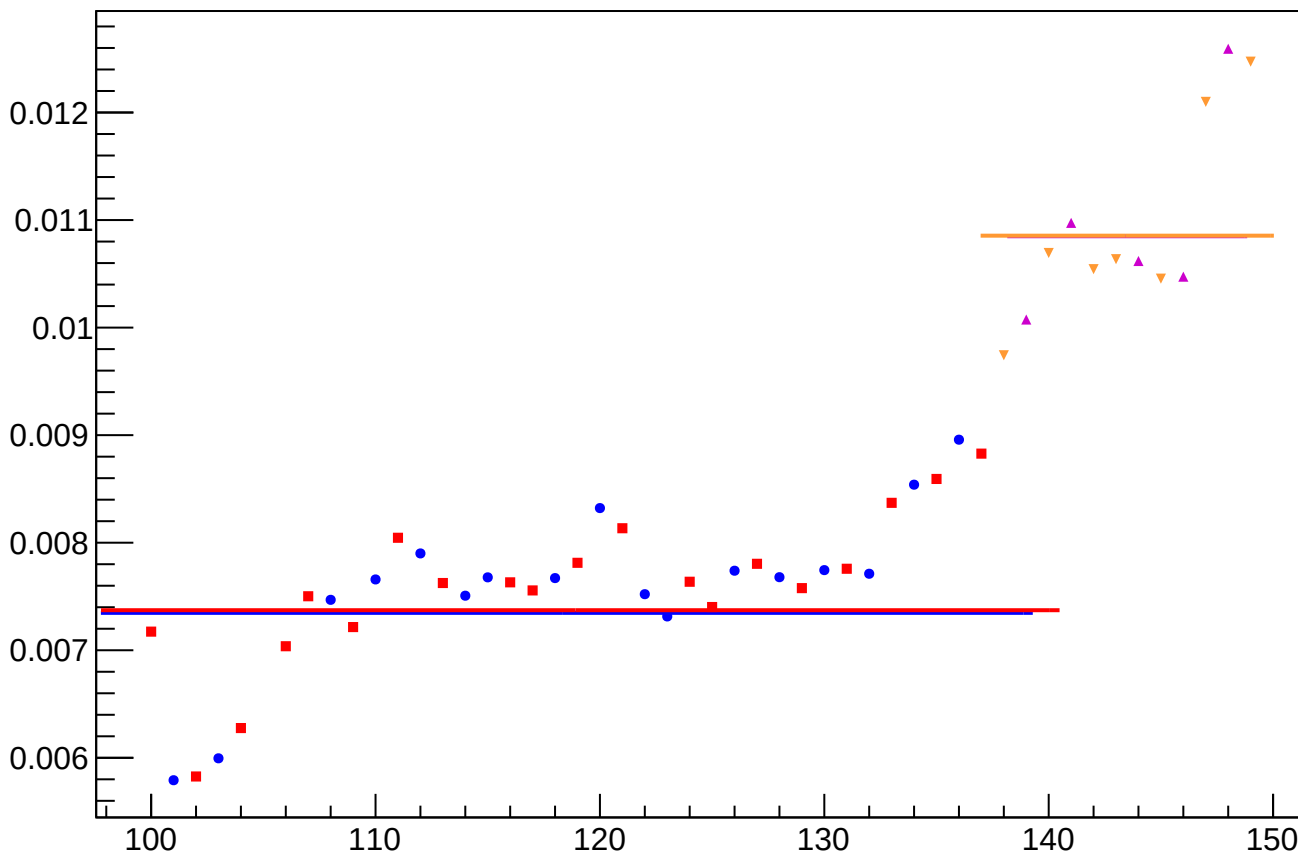
0.816 $\pm$ 0.000 χ^2 /NDF: 190574296567.9/23

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 :66445.0/6

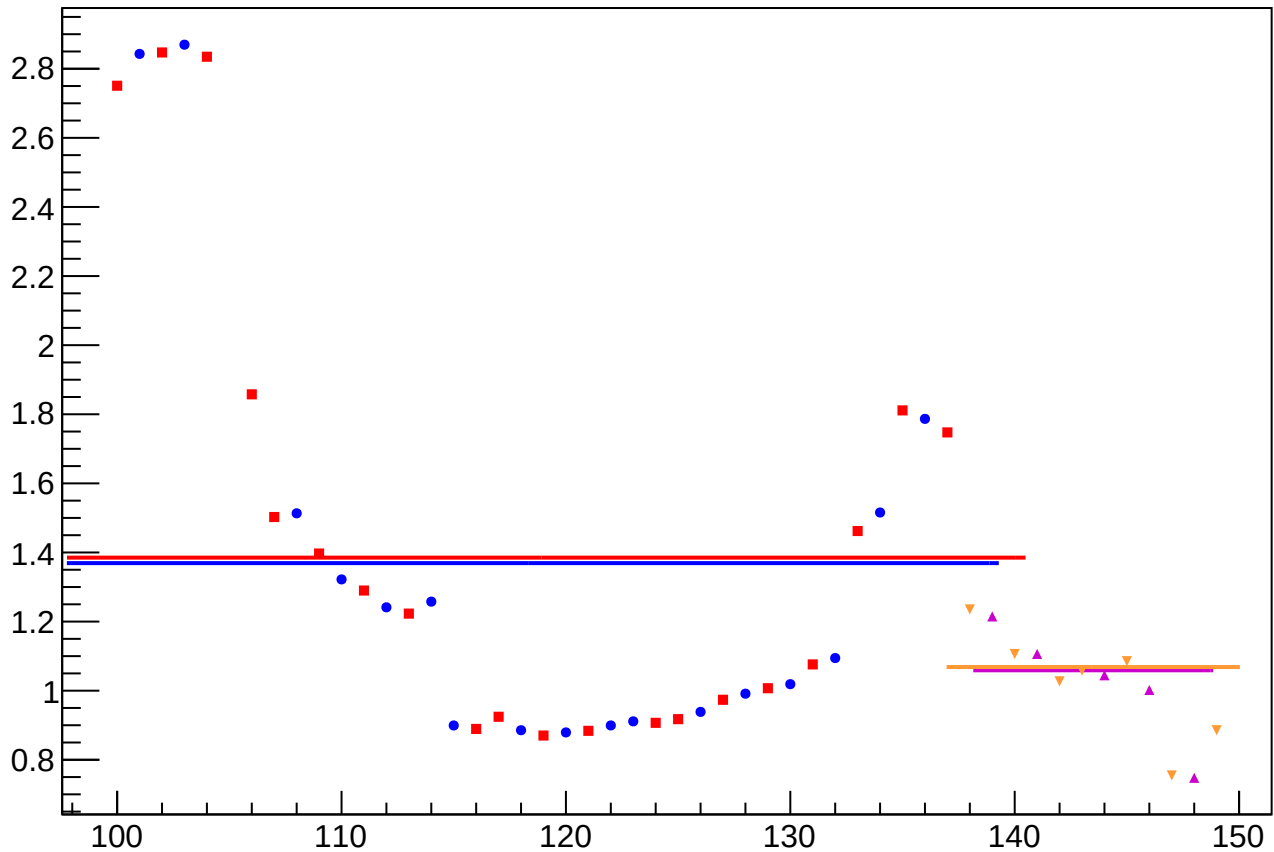
Right Out: 0.007+/-0.000 χ^2/NDF : 172741.0/19

Left In: 0.011+/-0.000 χ^2/NDF :41888.1/4

0.008+/-0.000 χ^2/NDF : 1061327.0/23

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: 1.068+/-0.000 χ^2/NDF : 1052102077.3/6

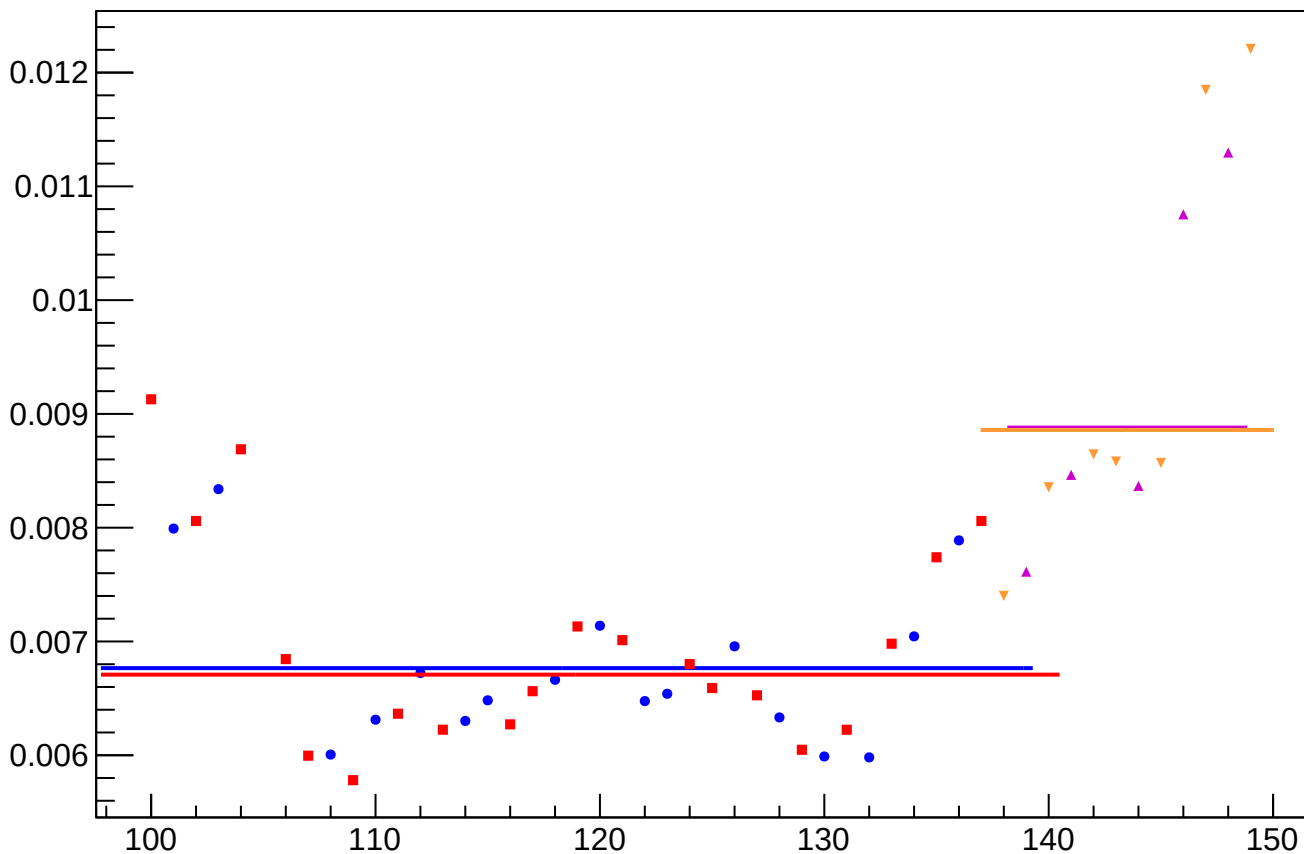
1.282+/-0.000 χ^2/NDF : 59029476283.4/23

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+/-0.000 χ^2/NDF : 159554.9/16

Left Out: 0.009+/-0.000 χ^2/NDF :264958.9/6

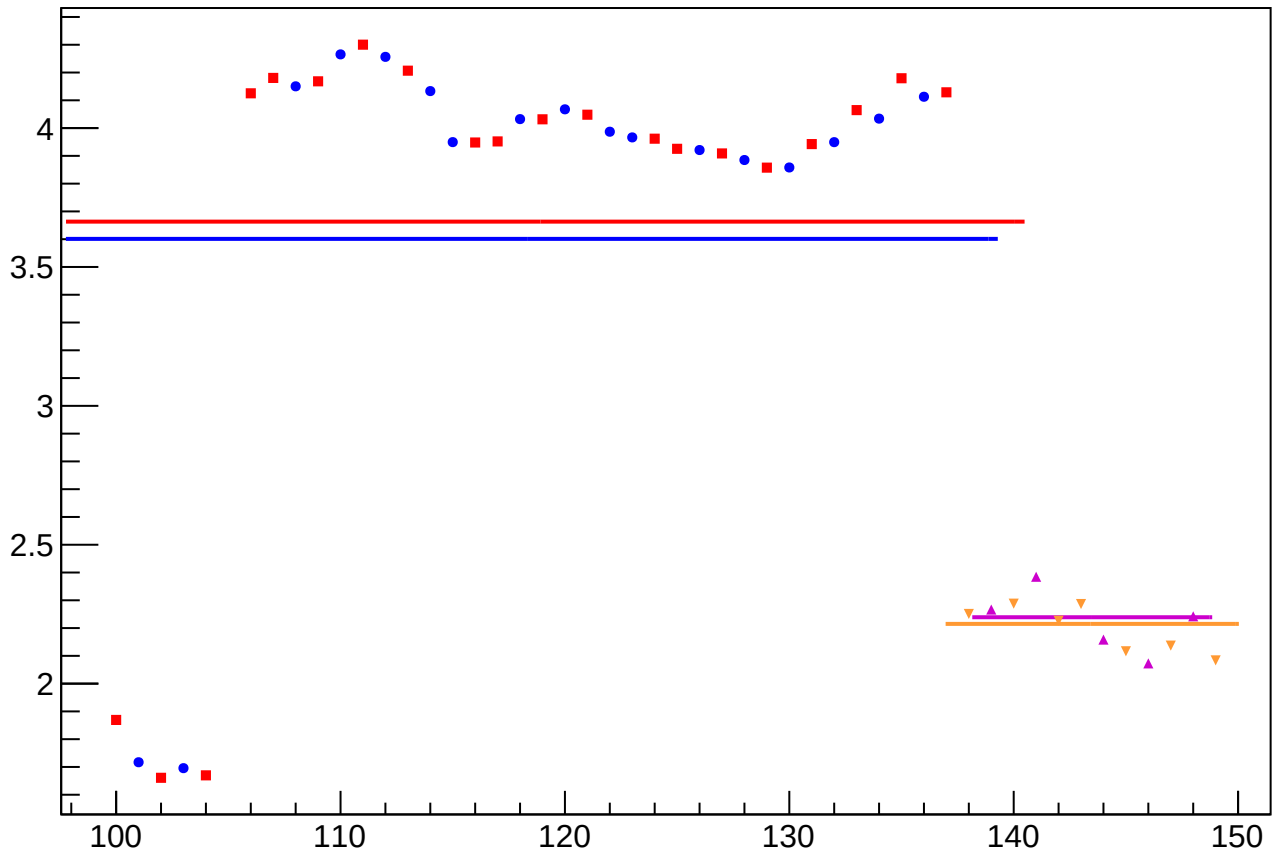
Right Out: 0.007+/-0.000 χ^2/NDF : 187869.7/19

Left In: 0.009+/-0.000 χ^2/NDF :159873.1/4

0.007+/-0.000 χ^2/NDF : 789849.6/23

0.007+/-0.000 χ^2/NDF : 690294.4/24

yield_bpm1i04Y_mean vs Slug



Right In: 3.601 $\pm$ 0.000 χ^2 /NDF: 185806937655.3/16

Left Out: 2.215 $\pm$ 0.000 χ^2 /NDF: 435224578.5/6

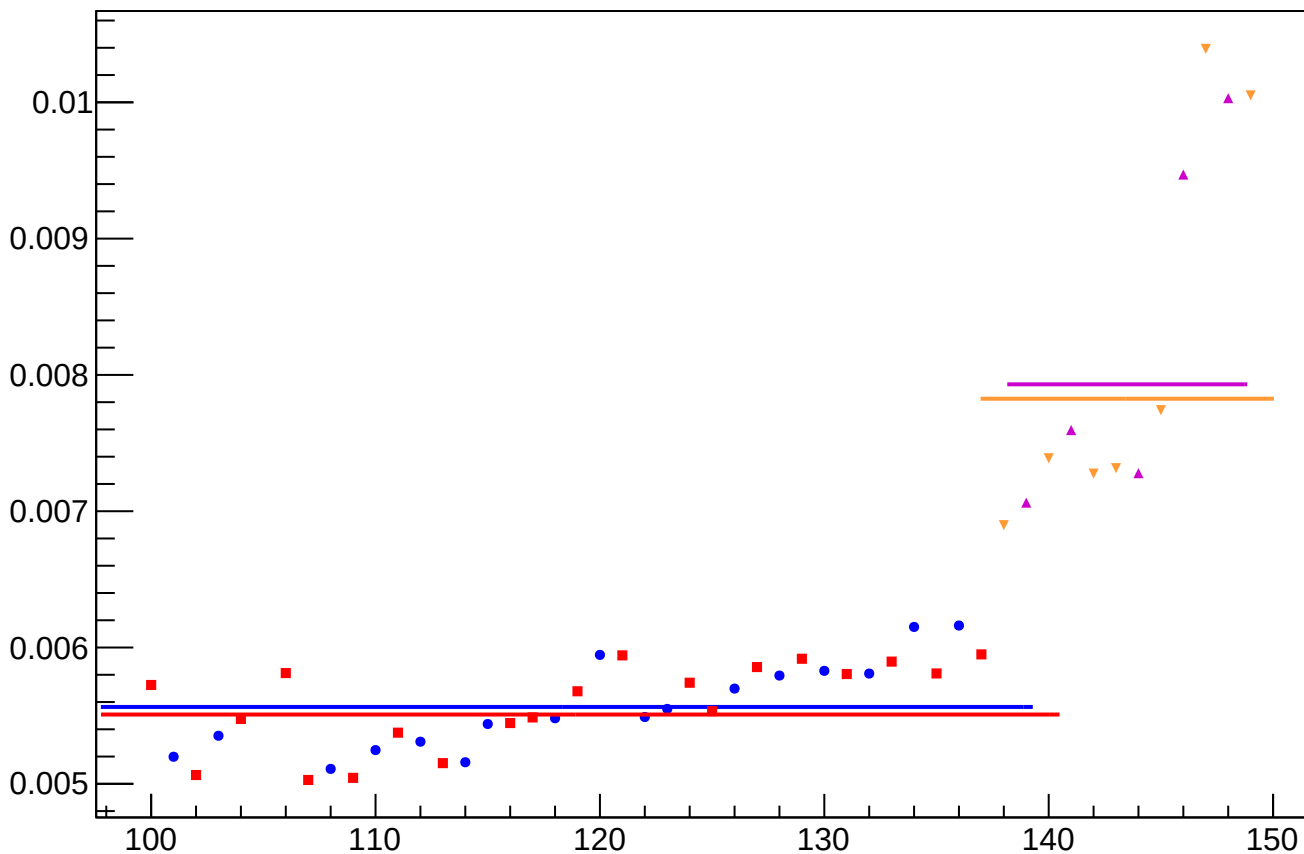
3.244 $\pm$ 0.000 χ^2 /NDF: 293148693329.9/23

Right Out: 3.663 $\pm$ 0.000 χ^2 /NDF: 192640409625.9/19

3.374 $\pm$ 0.000 χ^2 /NDF: 288173633099.8/24

Left In: 2.239 $\pm$ 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 :196680.6/6

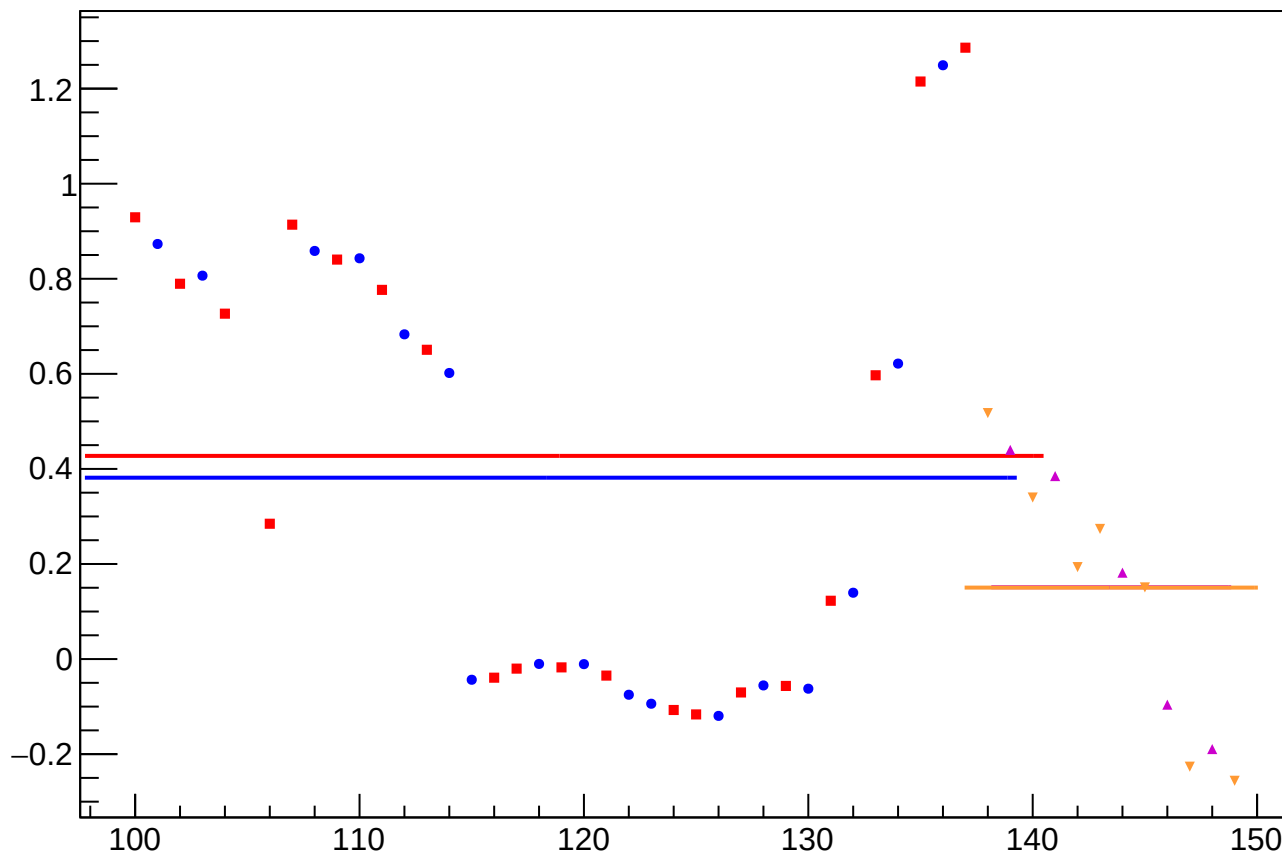
Right Out: 0.006+/-0.000 χ^2/NDF : 52636.1/19

Left In: 0.008+/-0.000 χ^2/NDF :136990.7/4

0.006+/-0.000 χ^2/NDF : 813381.3/23

0.006+/-0.000 χ^2/NDF : 738803.5/24

yield_bpm1i06X_mean vs Slug



Right In: 0.382 $\pm$ 0.000 χ^2 /NDF: 7124759123.1/16

Left Out: 0.150 $\pm$ 0.000 χ^2 /NDF:1336307522.0/6

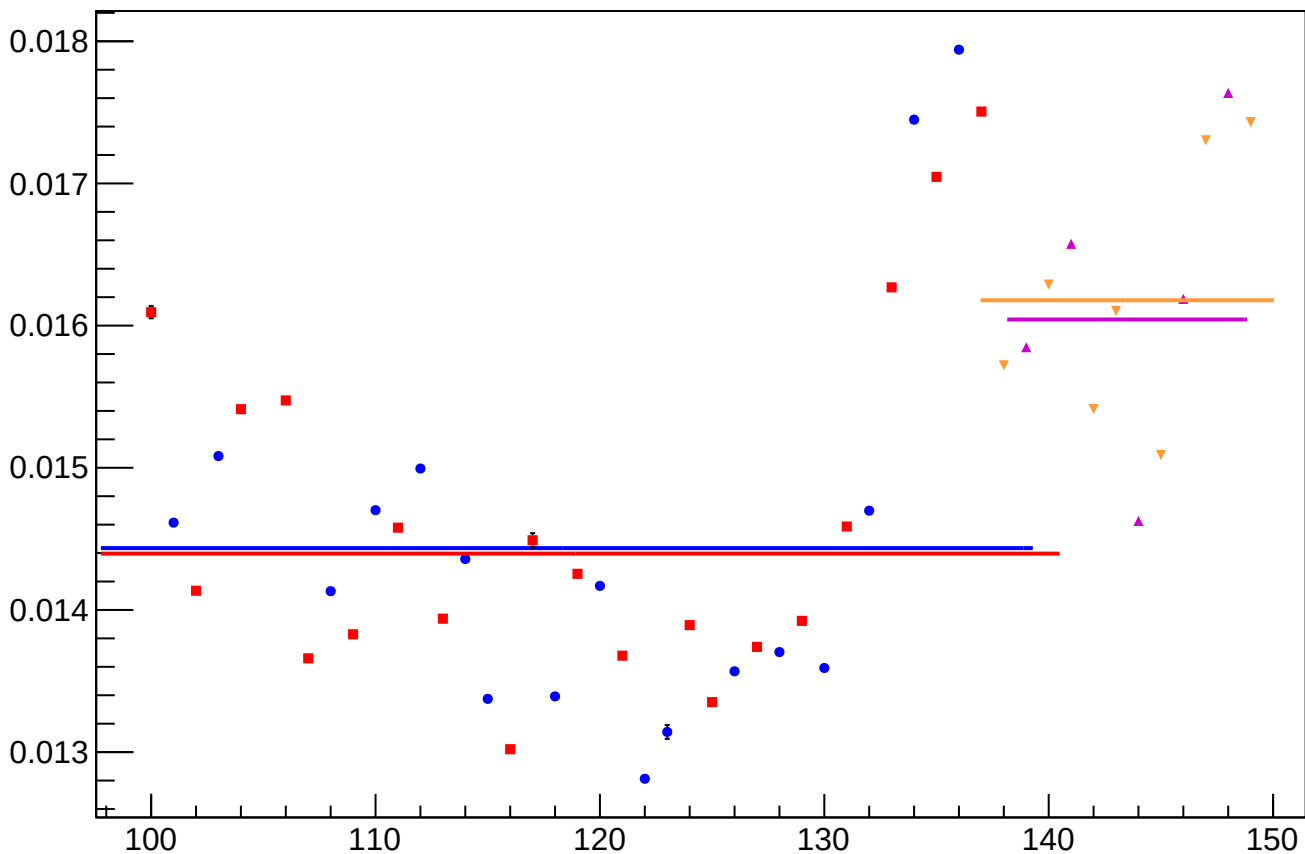
Right Out: 0.427 $\pm$ 0.000 χ^2 /NDF: 6716521382.4/19

Left In: 0.151 $\pm$ 0.000 χ^2 /NDF:876615351.4/4

0.296 $\pm$ 0.000 χ^2 /NDF: 9090428017.4/23

0.341 $\pm$ 0.000 χ^2 /NDF: 8396541275.5/24

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 : 25914.5/6

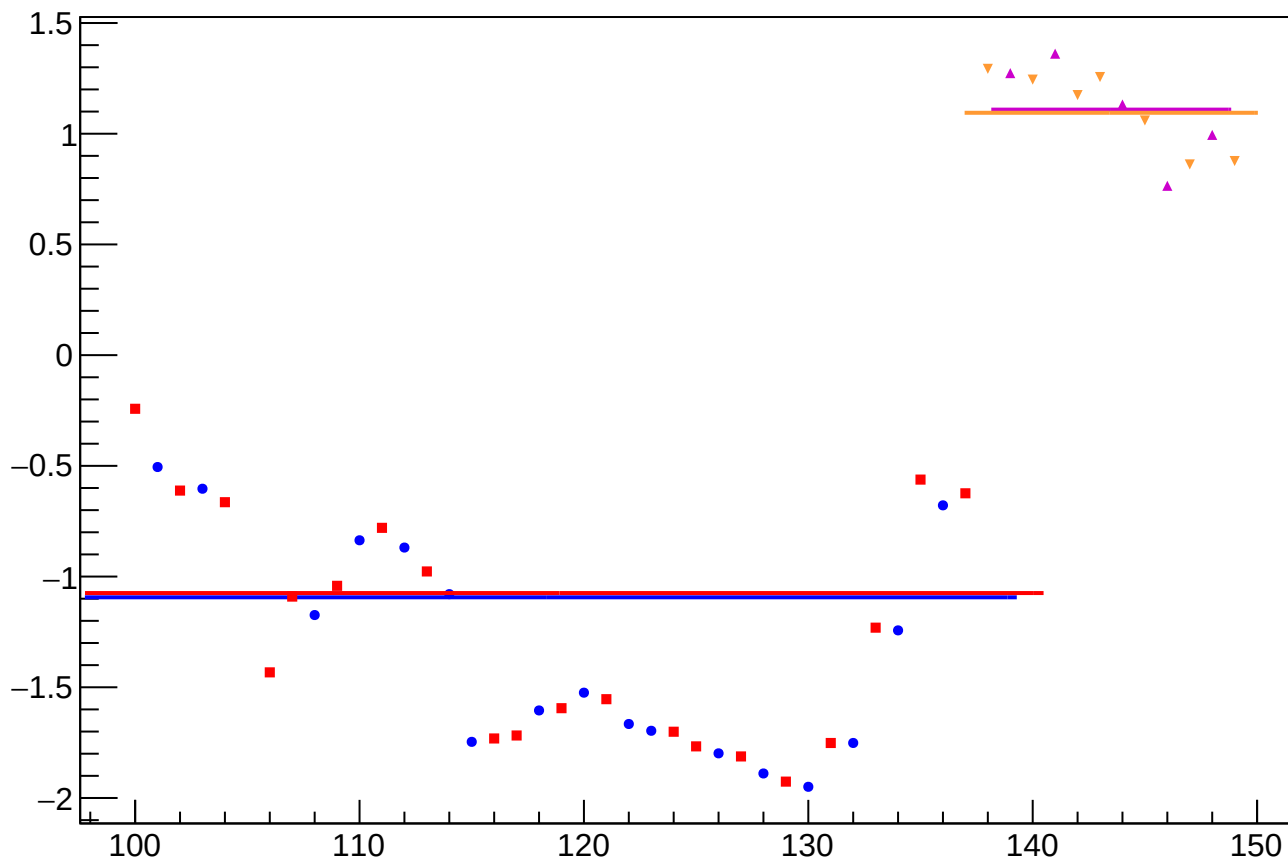
Right Out: 0.014+/-0.000 χ^2/NDF : 74535.1/19

Left In: 0.016+/-0.000 χ^2/NDF : 31014.2/4

0.015+/-0.000 χ^2/NDF : 207684.9/23

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: 1.095+/-0.000 χ^2/NDF : 9583241900.1/6

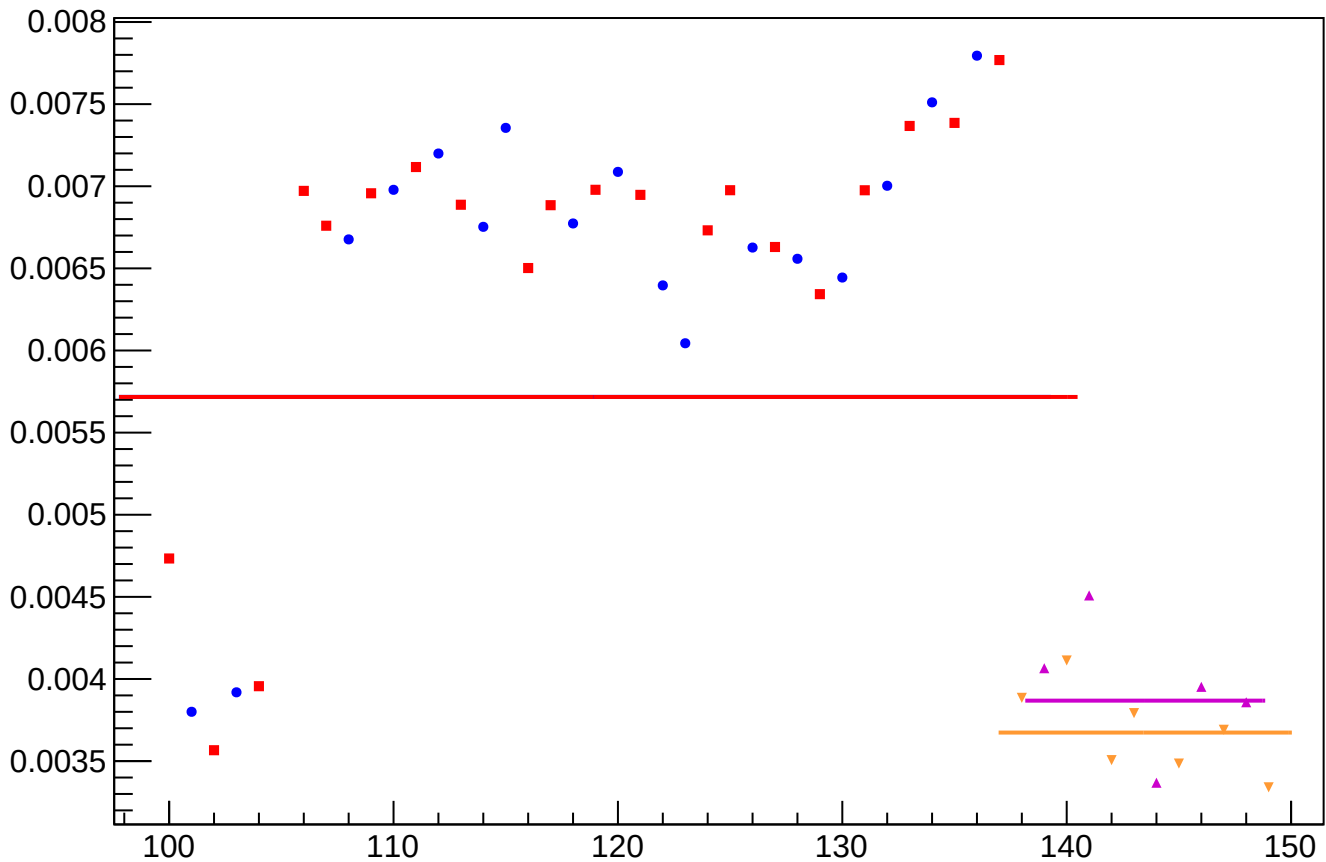
Right Out: -1.074+/-0.000 χ^2/NDF : 47208439320.8/19

Left In: 1.109+/-0.000 χ^2/NDF : 8611072790.2/4

0.313+/-0.000 χ^2/NDF : 624568022604.8/23

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 : 41975.7/6

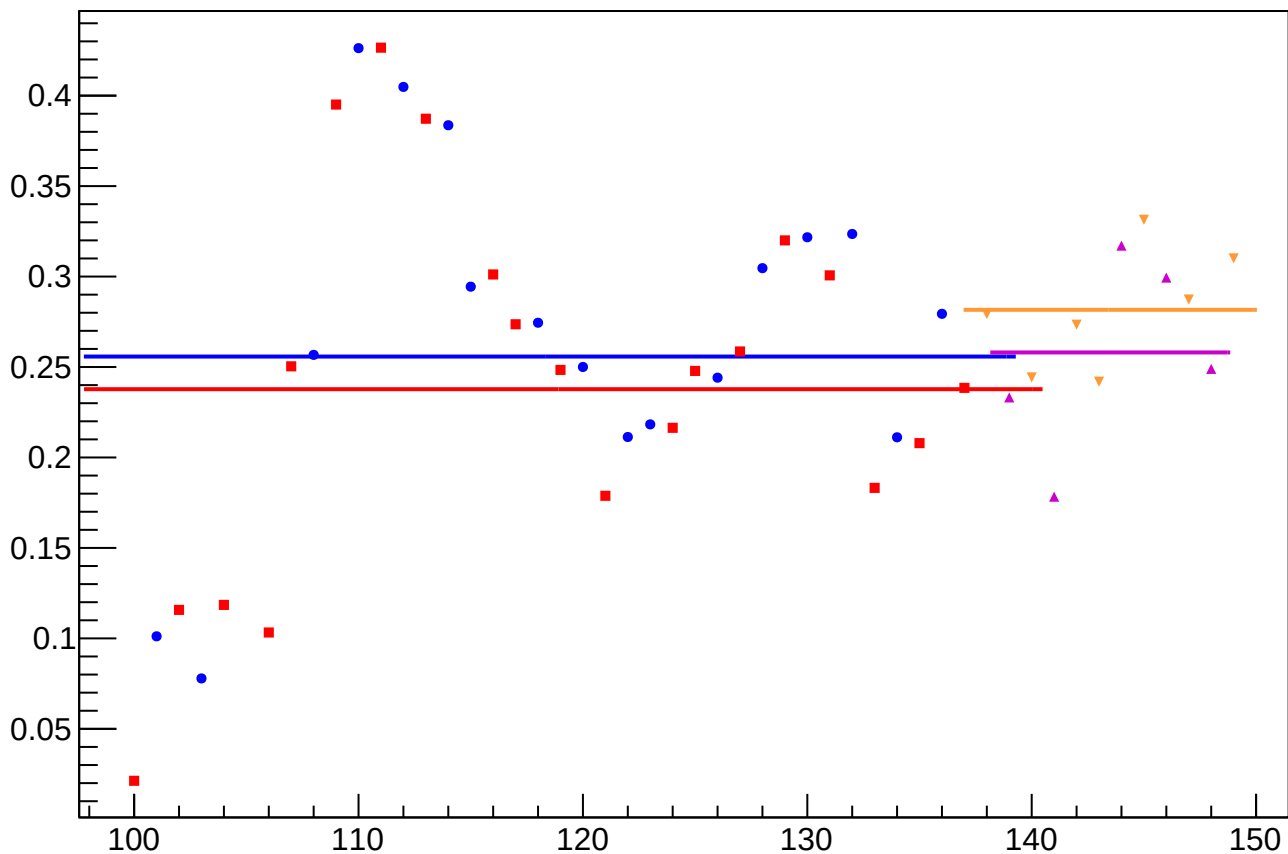
Right Out: 0.006+/-0.000 χ^2/NDF : 925957.4/19

Left In: 0.004+/-0.000 χ^2/NDF : 71124.9/4

0.004+/-0.000 χ^2/NDF : 1854991.6/23

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: 0.282 ± 0.000 χ^2/NDF : 1767809932.1/6

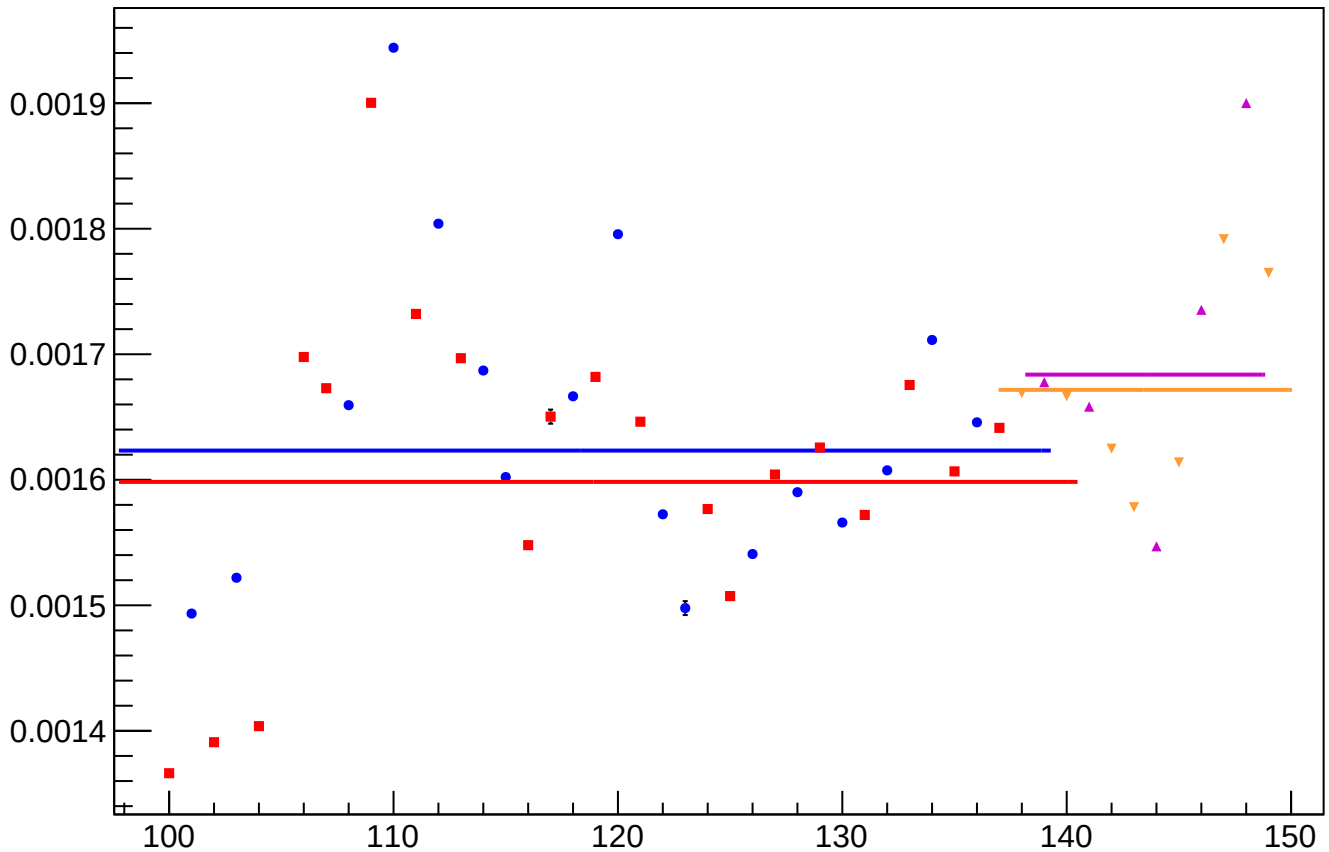
Right Out: 0.238 ± 0.000 χ^2/NDF : 26077768189.7/19

Left In: 0.258 ± 0.000 χ^2/NDF : 3807146376.4/4

0.267 ± 0.000 χ^2/NDF : 23815035527.5/23

0.245 ± 0.000 χ^2/NDF : 30262487108.4/24

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 : 18445.9/6

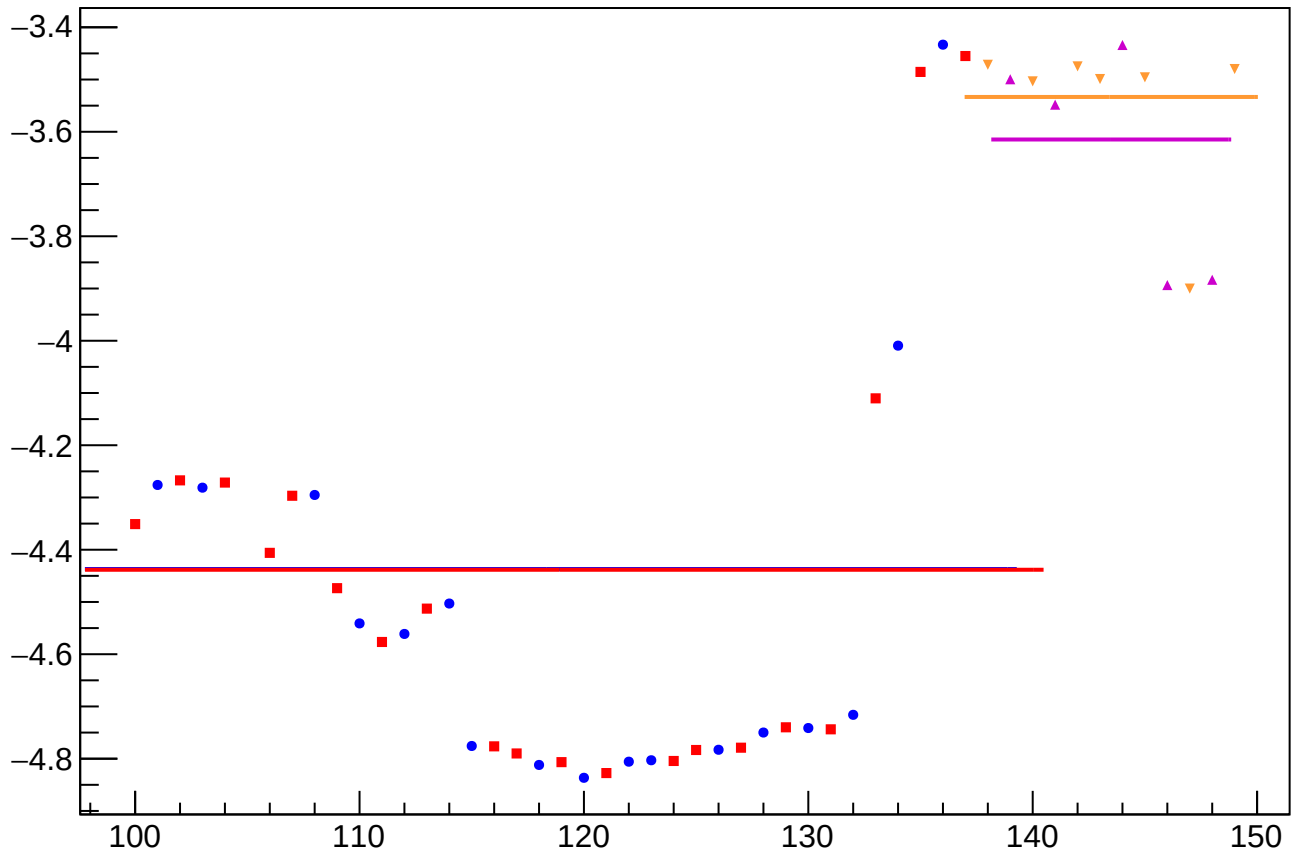
Right Out: 0.002+/-0.000 χ^2/NDF : 90764.4/19

Left In: 0.002+/-0.000 χ^2/NDF : 34426.9/4

0.002+/-0.000 χ^2/NDF : 75693.5/23

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: -3.533+/-0.000 χ^2/NDF : 20571196667.7/6

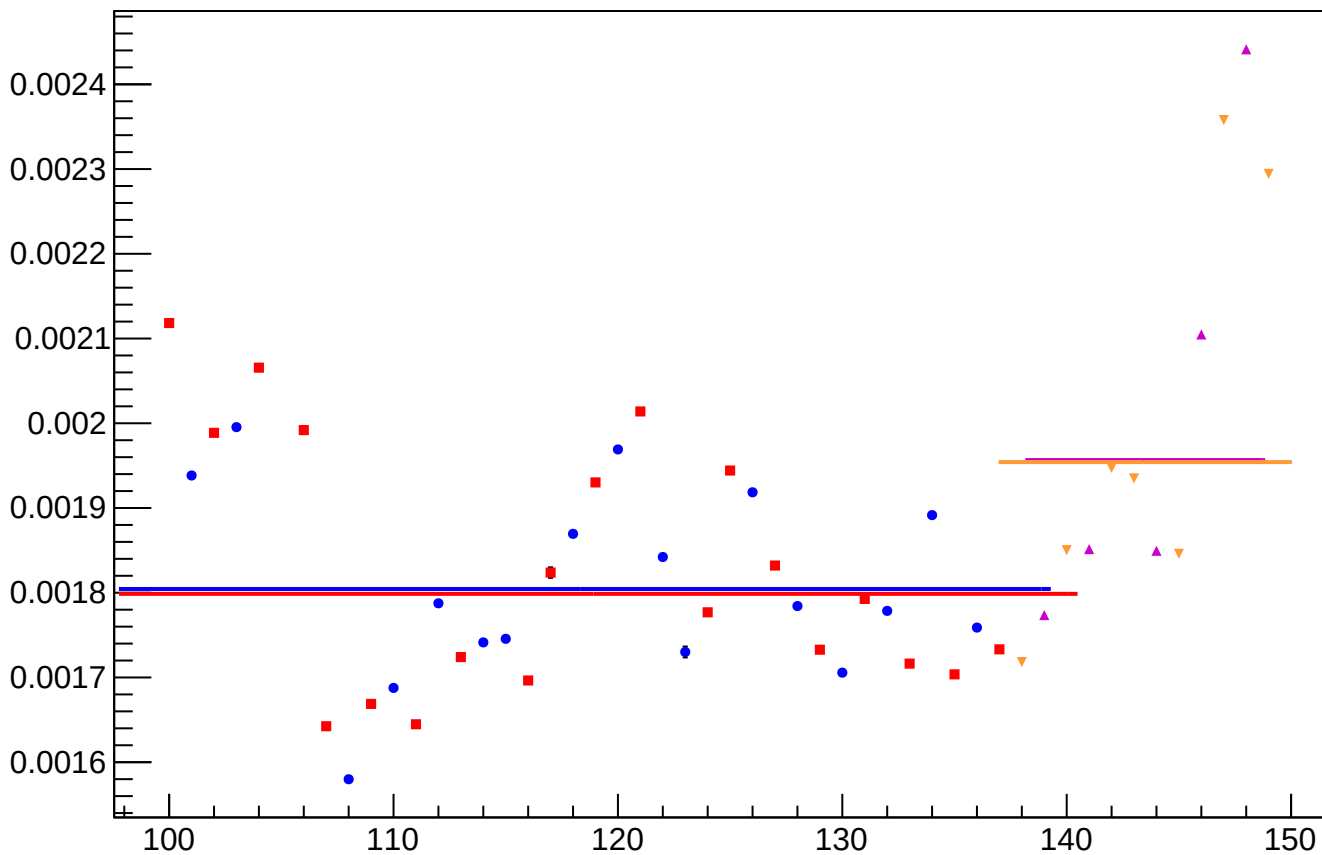
-4.091+/-0.000 χ^2/NDF : 1038060791501.5/23

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 :114918.0/6

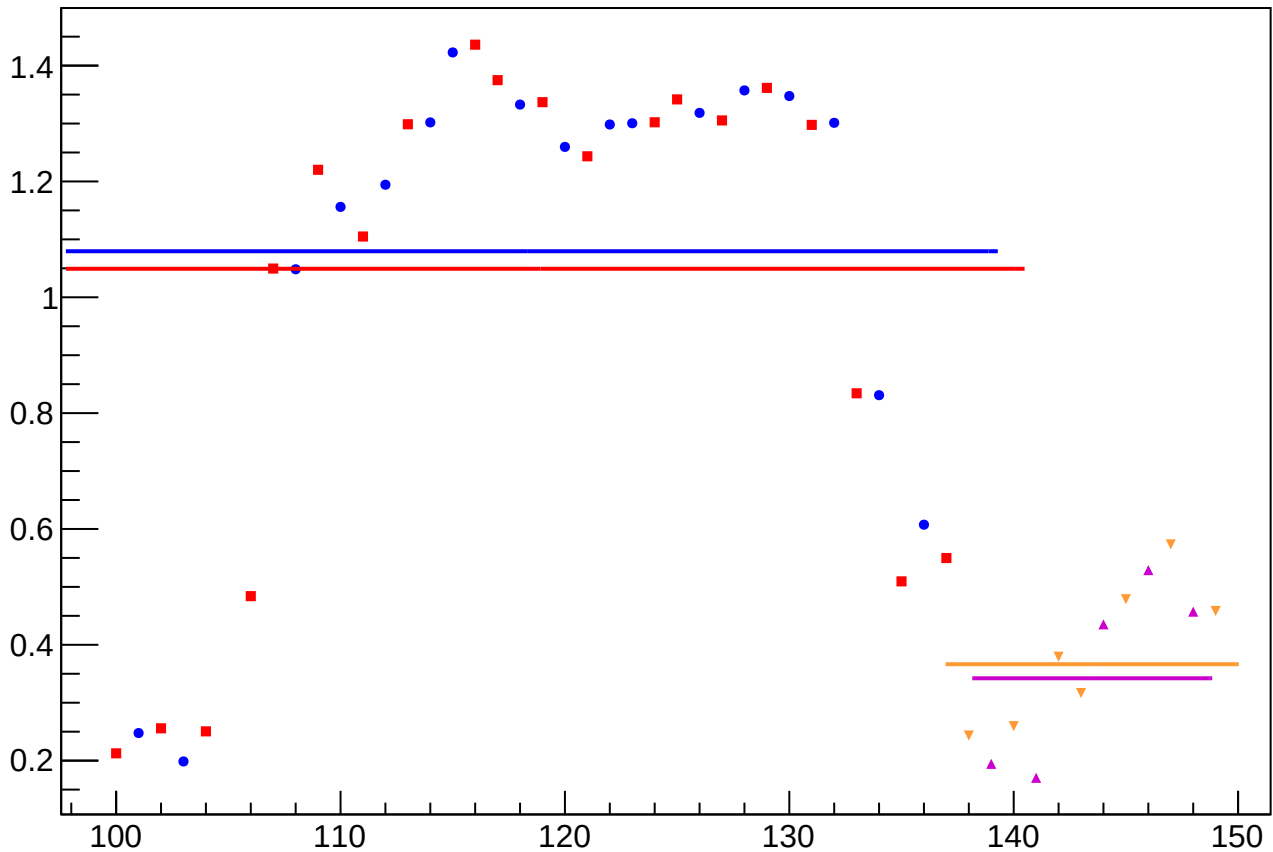
Right Out: 0.002+/-0.000 χ^2/NDF : 81037.5/19

Left In: 0.002+/-0.000 χ^2/NDF :95005.2/4

0.002+/-0.000 χ^2/NDF : 198332.3/23

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: 0.366 $\pm$ 0.000 χ^2 /NDF:540224584.2/6

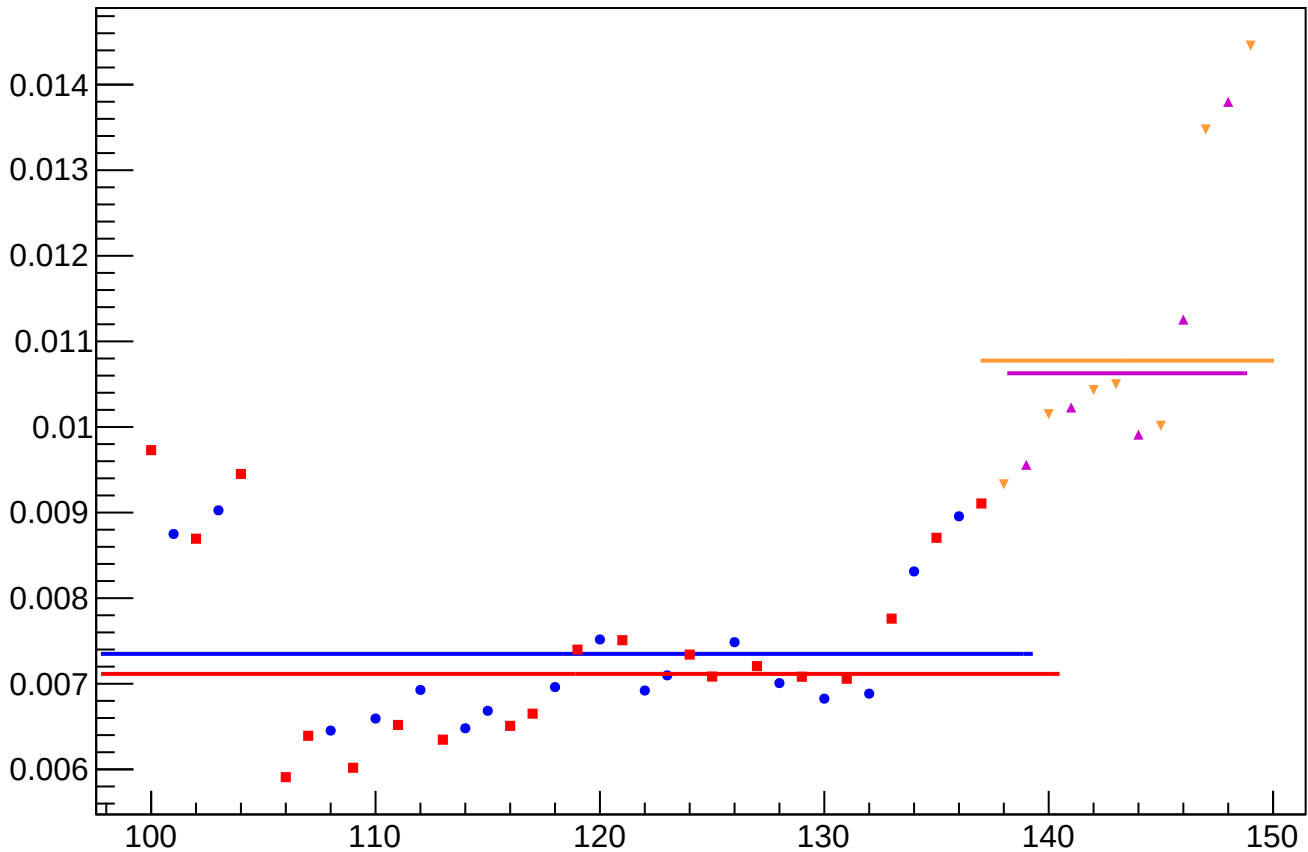
0.898 $\pm$ 0.000 χ^2 /NDF: 33860775760.0/23

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: 0.011+/-0.000 χ^2/NDF :217286.0/6

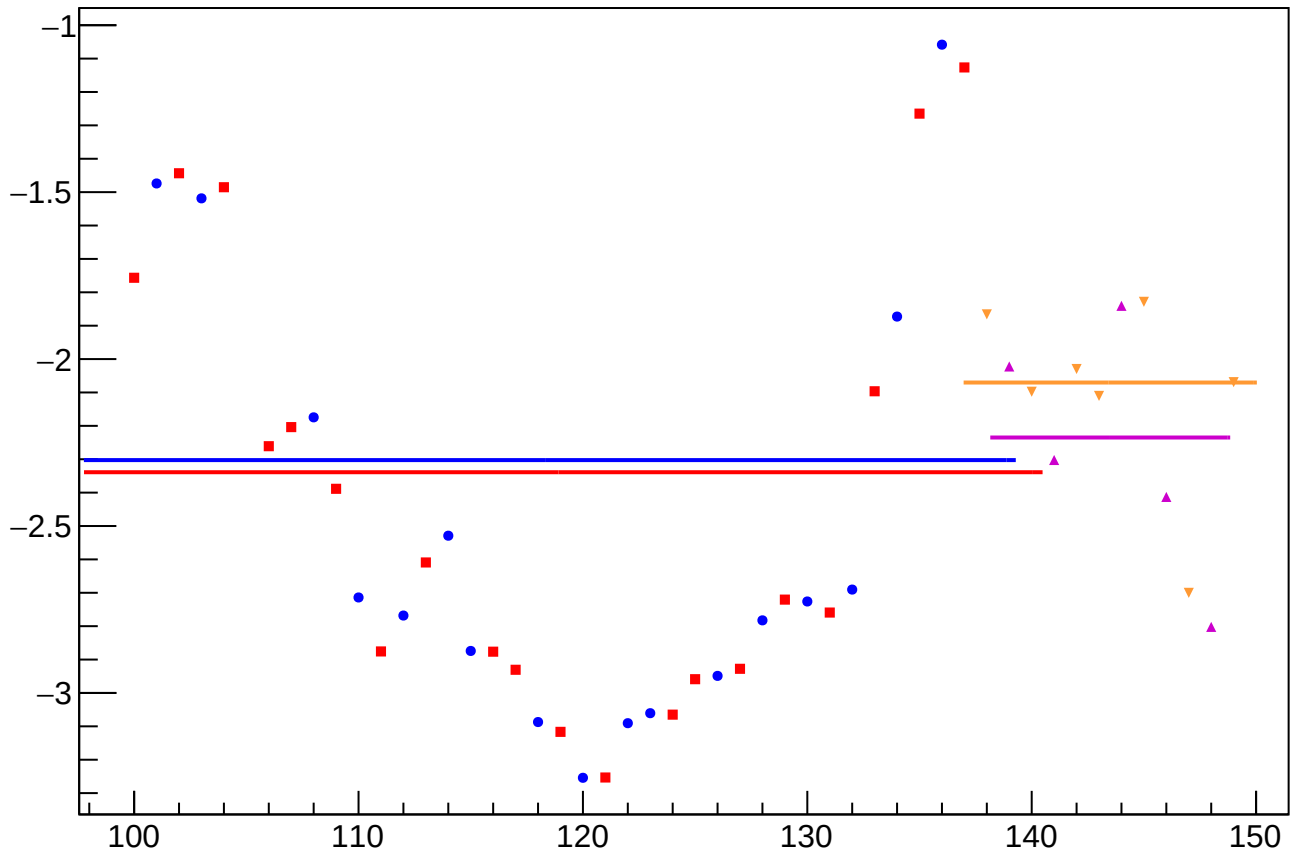
Right Out: 0.007+/-0.000 χ^2/NDF : 259539.3/19

Left In: 0.011+/-0.000 χ^2/NDF :118235.3/4

0.008+/-0.000 χ^2/NDF : 1127060.4/23

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 : 3582083806.0/6

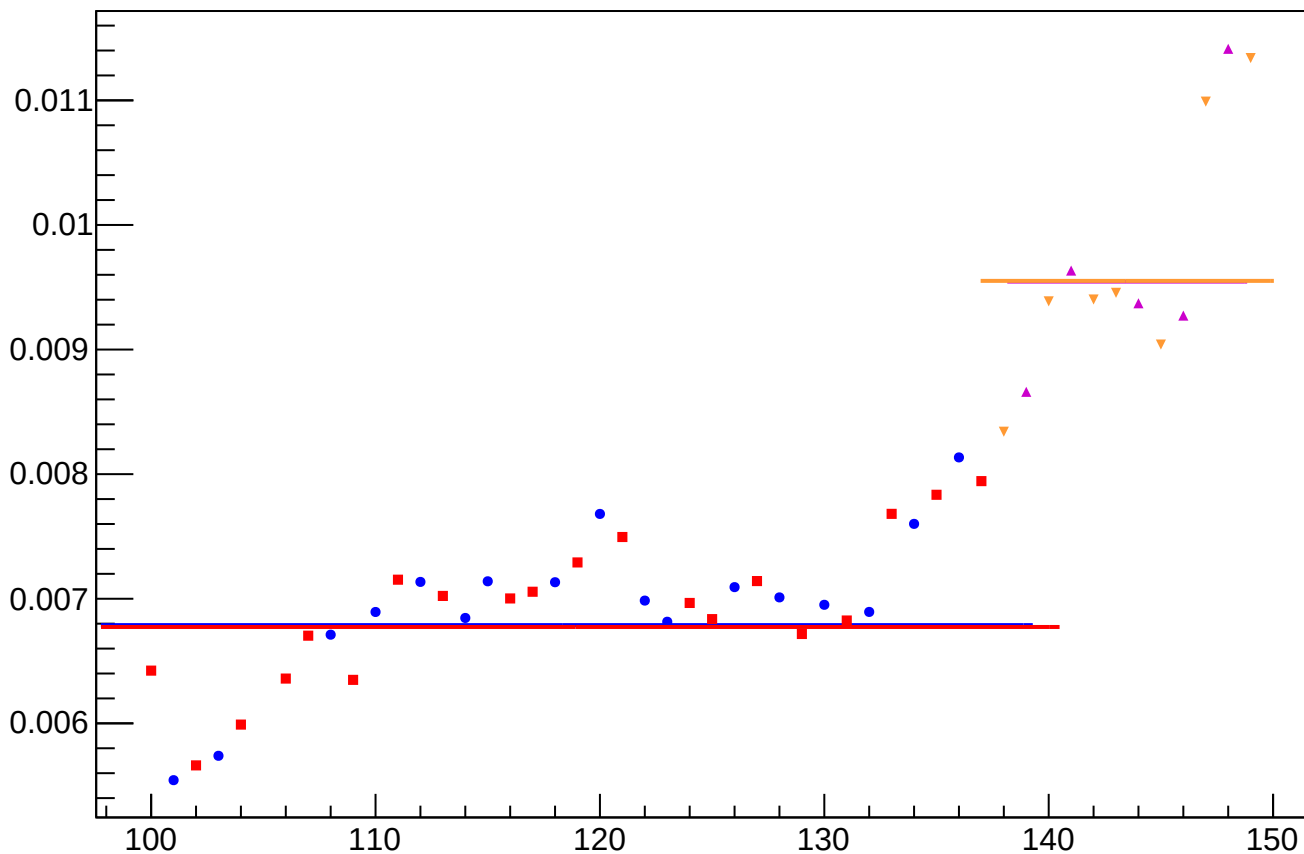
Right Out: -2.339+/-0.000 χ^2/NDF : 64804828308.5/19

Left In: -2.235+/-0.000 χ^2/NDF : 4246129233.7/4

-2.239+/-0.000 χ^2/NDF : 79455959661.2/23

-2.316+/-0.000 χ^2/NDF : 69417865762.1/24

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 165199.2/16

Left Out: 0.010+/-0.000 χ^2/NDF :103220.4/6

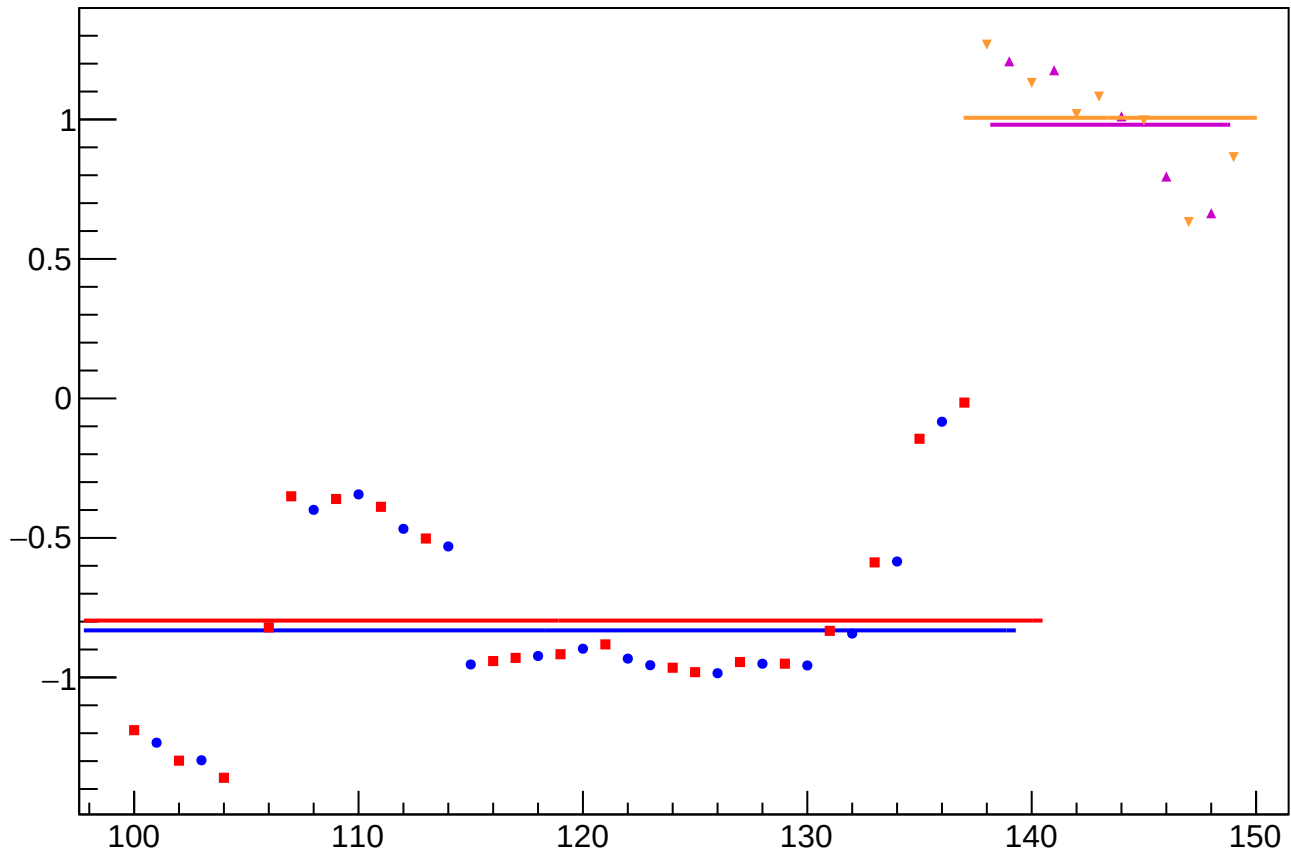
Right Out: 0.007+/-0.000 χ^2/NDF : 123383.6/19

Left In: 0.010+/-0.000 χ^2/NDF :59257.1/4

0.008+/-0.000 χ^2/NDF : 867388.7/23

0.007+/-0.000 χ^2/NDF : 704194.8/24

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 6692170860.9/16

Left Out: 1.006 ± 0.000 χ^2/NDF : 1092939589.2/6

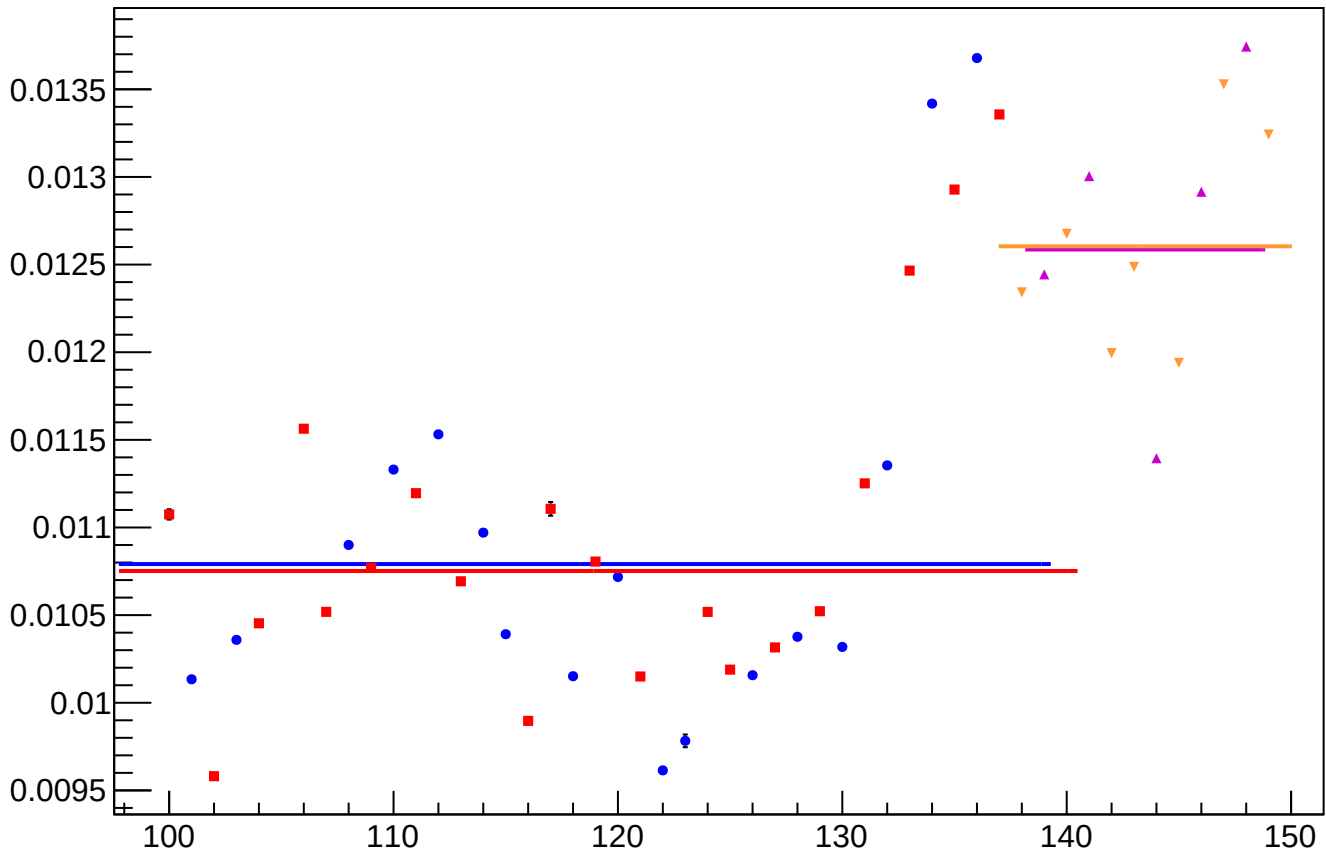
-0.185 ± 0.000 χ^2/NDF : 74799031672.0/23

Right Out: -0.796 ± 0.000 χ^2/NDF : 7827622544.3/19

-0.280 ± 0.000 χ^2/NDF : 63862966865.3/24

Left In: 0.981 ± 0.000 χ^2/NDF : 995704437.1/4

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 125802.4/16

Left Out: 0.013+/-0.000 χ^2/NDF :18272.2/6

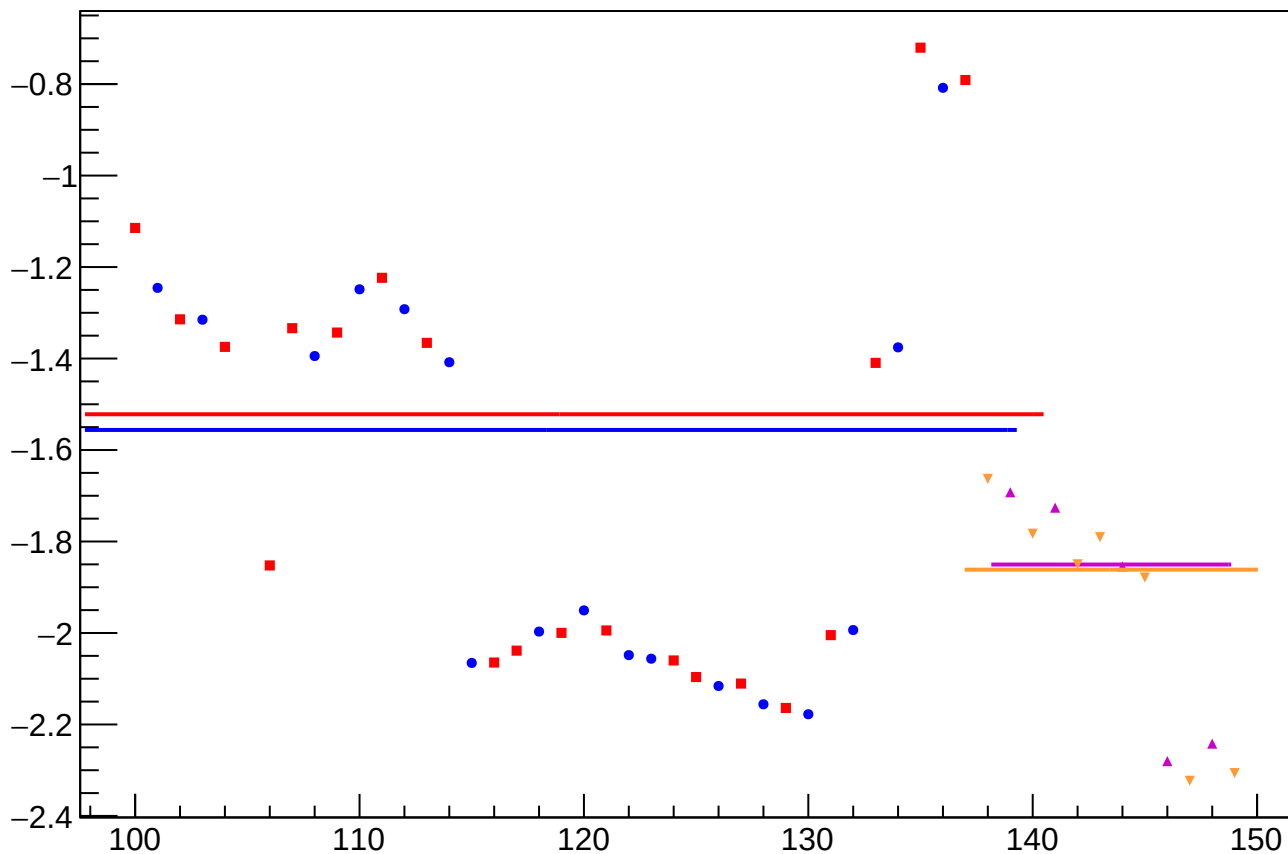
Right Out: 0.011+/-0.000 χ^2/NDF : 90303.3/19

Left In: 0.013+/-0.000 χ^2/NDF :32524.1/4

0.011+/-0.000 χ^2/NDF : 274539.0/23

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: -1.862+/-0.000 χ^2/NDF : 19288039401.1/6

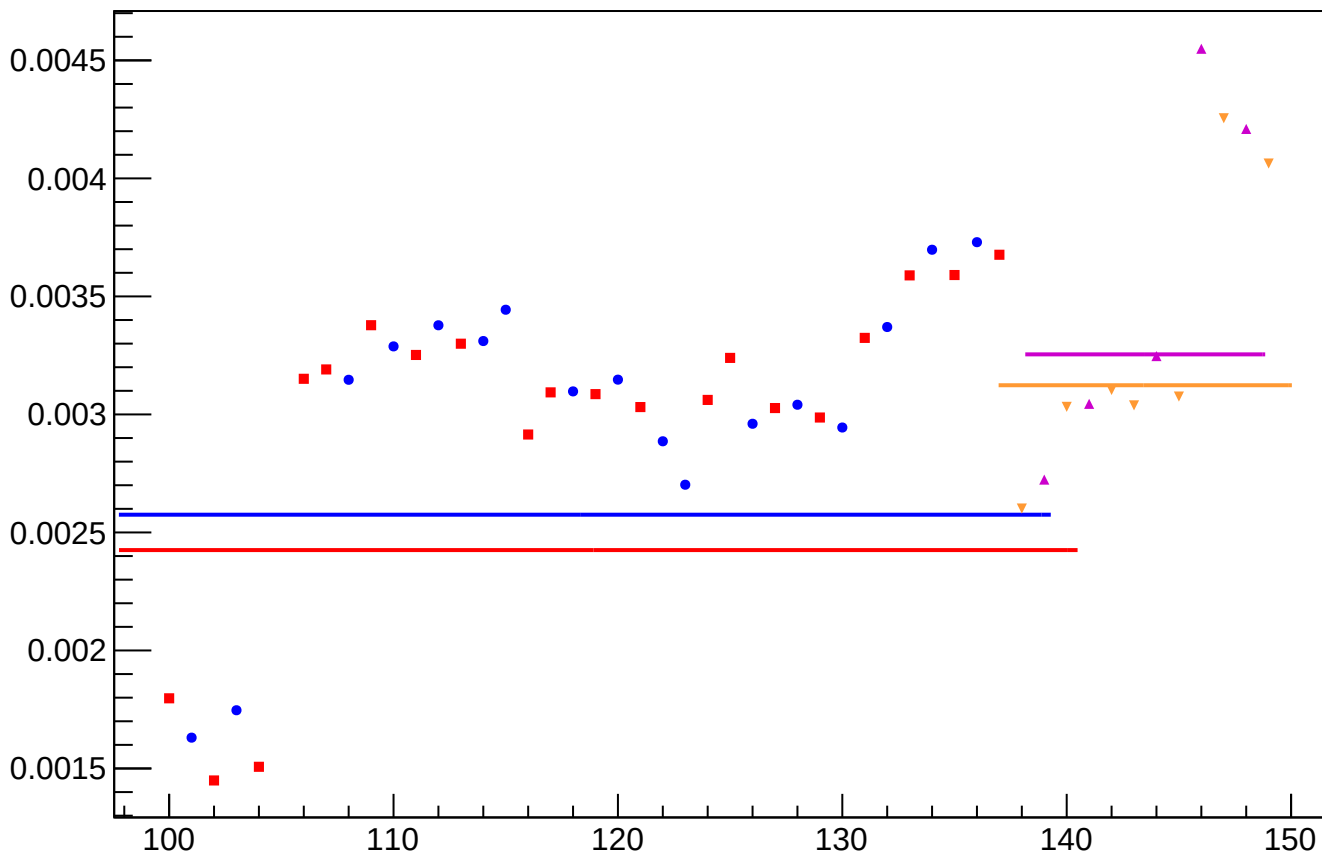
-1.658+/-0.000 χ^2/NDF : 200867503341.0/23

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 : 207494.5/6

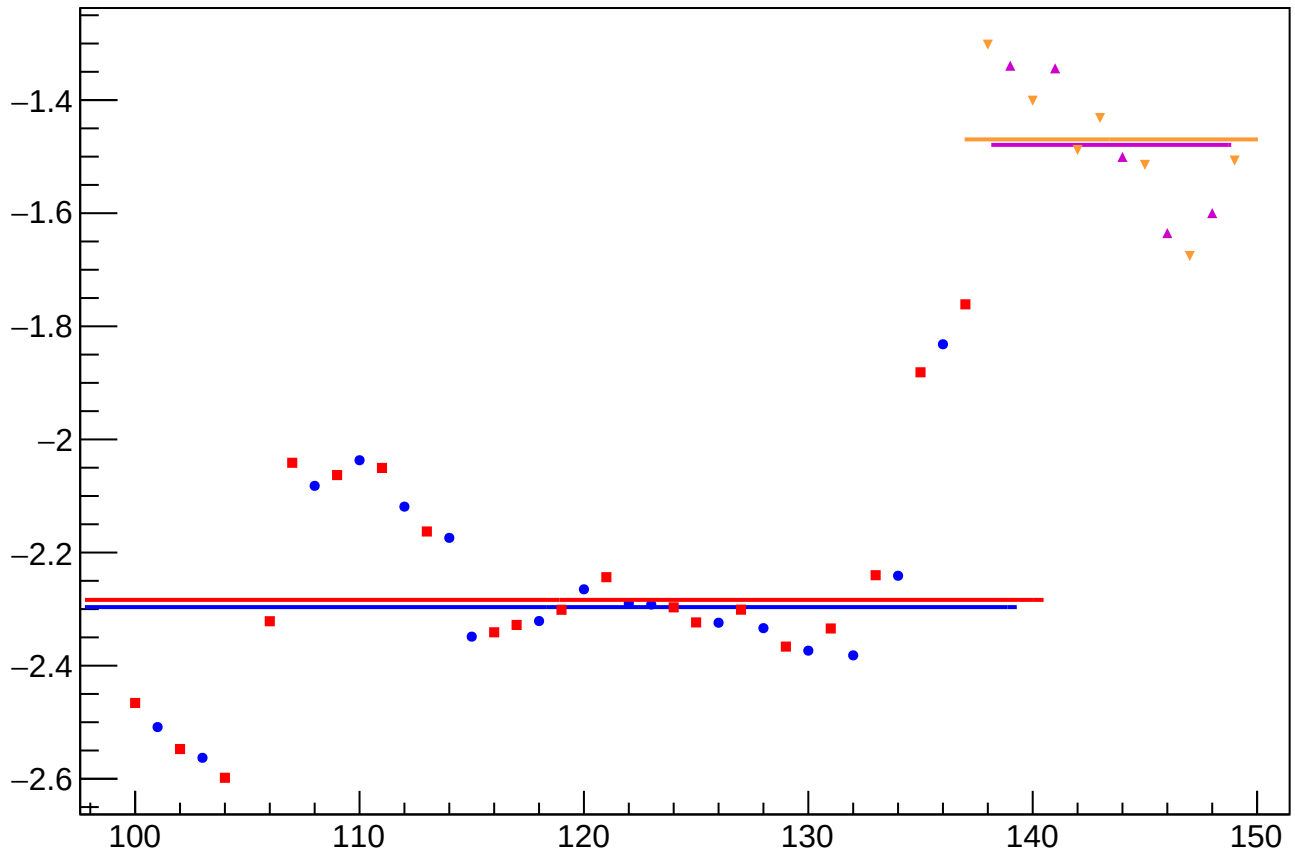
Right Out: 0.002+/-0.000 χ^2/NDF : 1493210.7/19

Left In: 0.003+/-0.000 χ^2/NDF : 202868.1/4

0.003+/-0.000 χ^2/NDF : 1392955.5/23

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: -1.470+/-0.000 χ^2/NDF : 730754730.7/6

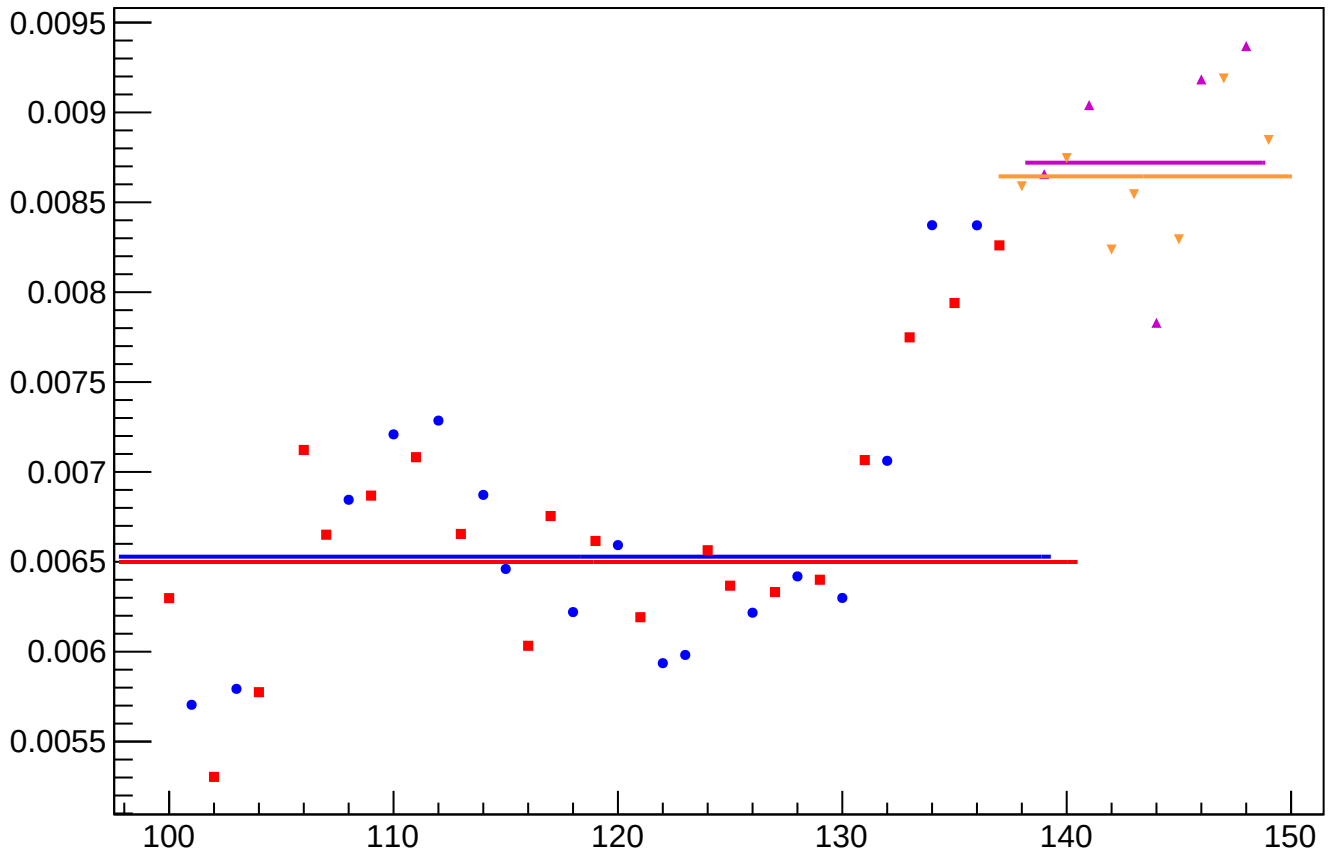
-2.052+/-0.000 χ^2/NDF : 37233086986.0/23

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 :10851.8/6

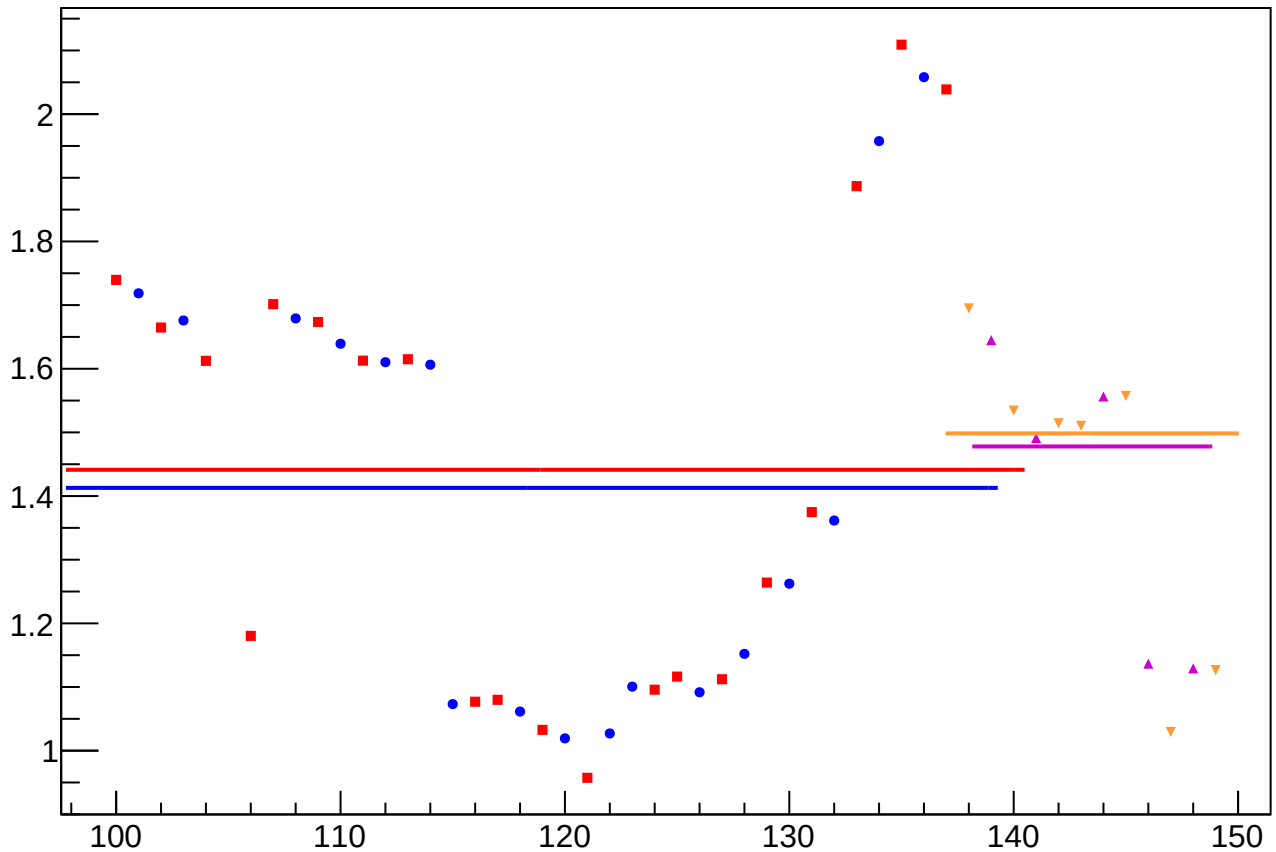
Right Out: 0.006+/-0.000 χ^2/NDF : 164253.8/19

Left In: 0.009+/-0.000 χ^2/NDF :34725.3/4

0.007+/-0.000 χ^2/NDF : 589452.7/23

0.007+/-0.000 χ^2/NDF : 575619.8/24

yield_bpm0i01aY_mean vs Slug



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 1.498+/-0.000 χ^2/NDF : 5995775513.2/6

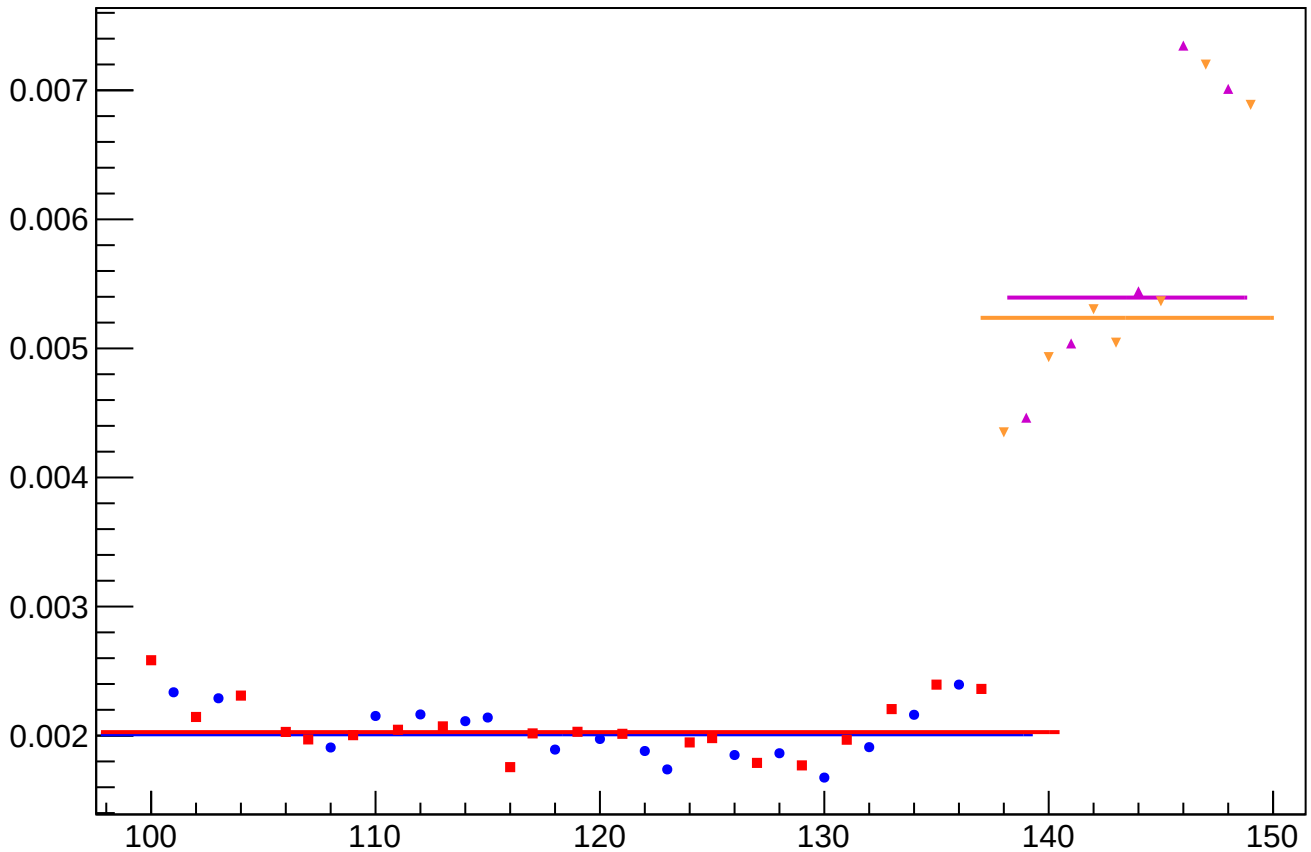
1.421+/-0.000 χ^2/NDF : 179601754336.5/23

Right Out: 1.441+/-0.000 χ^2/NDF : 174346888744.4/19

1.444+/-0.000 χ^2/NDF : 178421993013.0/24

Left In: 1.478+/-0.000 χ^2/NDF : 3928771532.2/4

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 $\chi^2/\text{NDF}: 152530.4/16$

Left Out: 0.005+/-0.000 $\chi^2/\text{NDF}: 231284.8/6$

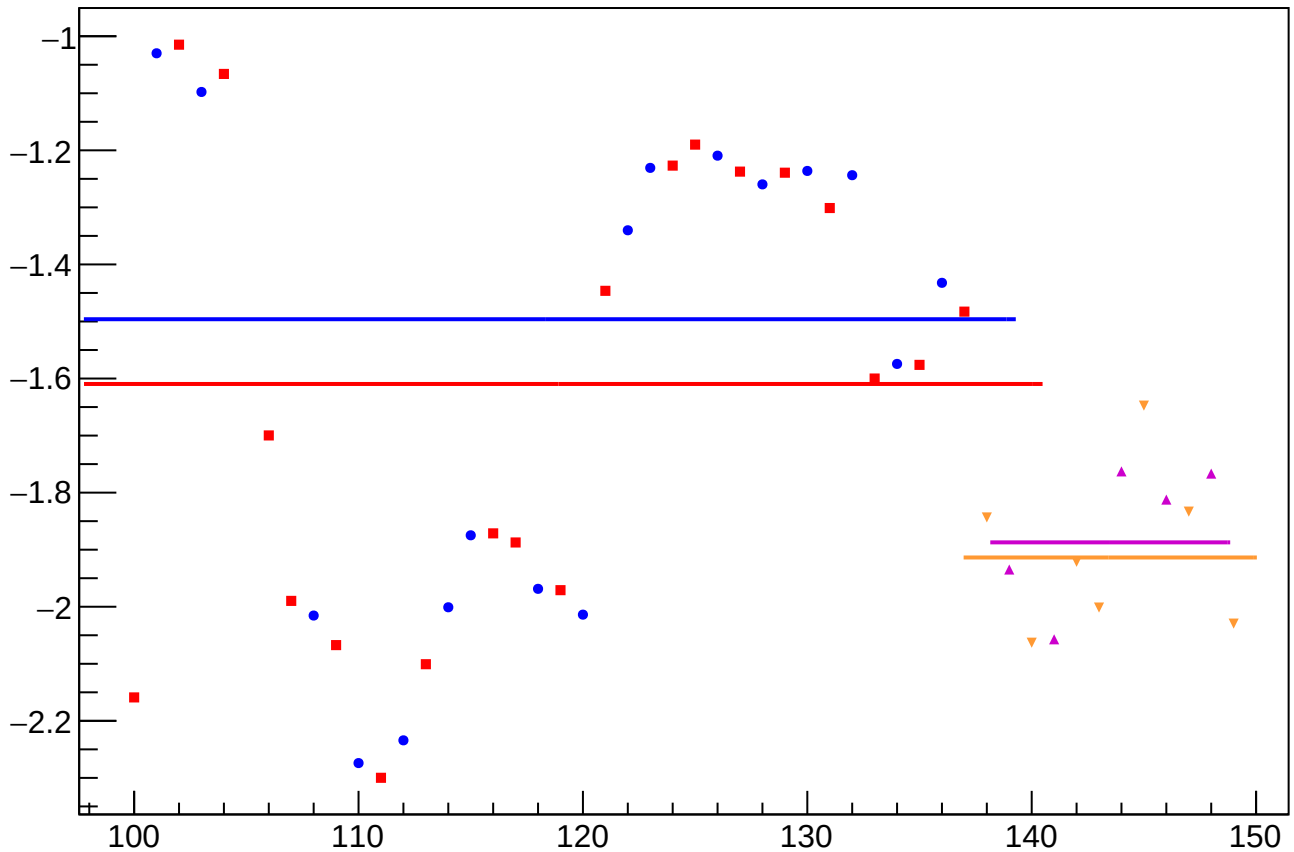
Right Out: 0.002+/-0.000 $\chi^2/\text{NDF}: 103927.8/19$

Left In: 0.005+/-0.000 $\chi^2/\text{NDF}: 214025.0/4$

0.002+/-0.000 $\chi^2/\text{NDF}: 3359909.6/23$

0.002+/-0.000 $\chi^2/\text{NDF}: 2788677.7/24$

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.914+/-0.000 χ^2/NDF : 2661346322.7/6

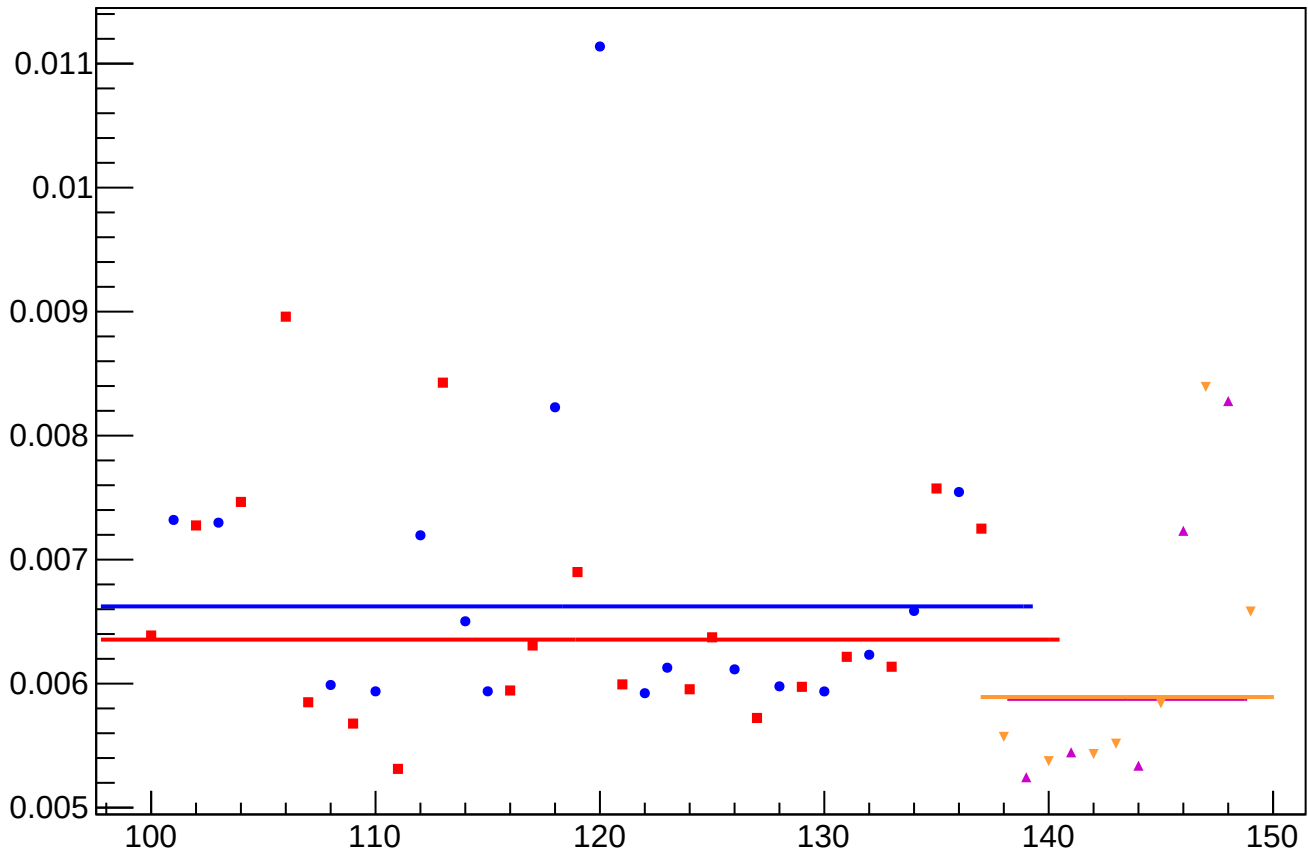
Right Out: -1.610+/-0.000 χ^2/NDF : 27919840690.9/19

Left In: -1.887+/-0.000 χ^2/NDF : 1531229441.6/4

-1.701+/-0.000 χ^2/NDF : 37053722865.3/23

-1.718+/-0.000 χ^2/NDF : 34375388188.2/24

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 : 171527.4/6

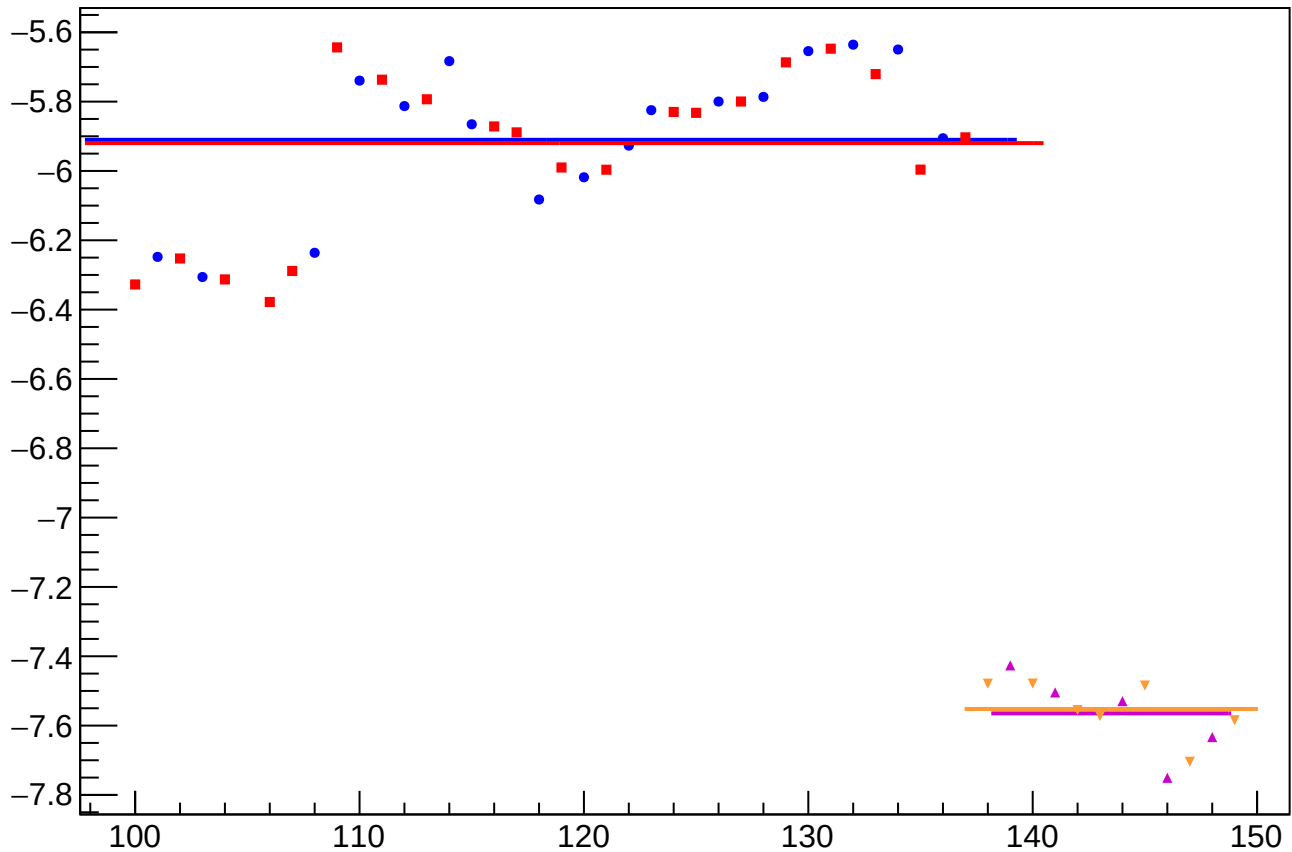
Right Out: 0.006 ± 0.000 χ^2/NDF : 227865.9/19

Left In: 0.006 ± 0.000 χ^2/NDF : 215137.4/4

0.006 ± 0.000 χ^2/NDF : 476859.5/23

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: -7.552+/-0.000 χ^2/NDF : 360555184.4/6

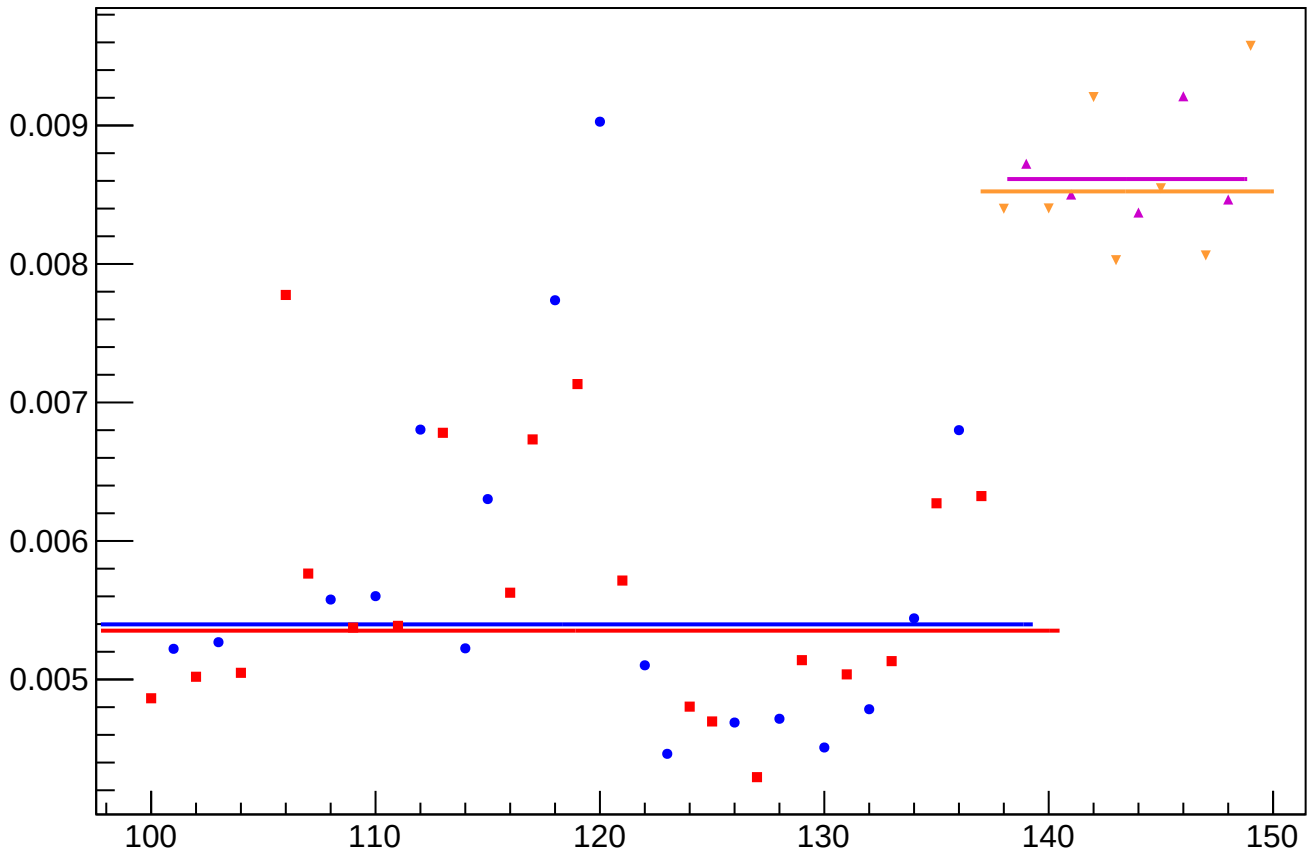
-6.264+/-0.000 χ^2/NDF : 129441737586.3/23

Right Out: -5.920+/-0.000 χ^2/NDF : 12786449843.6/19

-6.197+/-0.000 χ^2/NDF : 115146379970.3/24

Left In: -7.565+/-0.000 χ^2/NDF : 488115074.1/4

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 371347.4/16

Left Out: 0.009+/-0.000 χ^2/NDF :29043.6/6

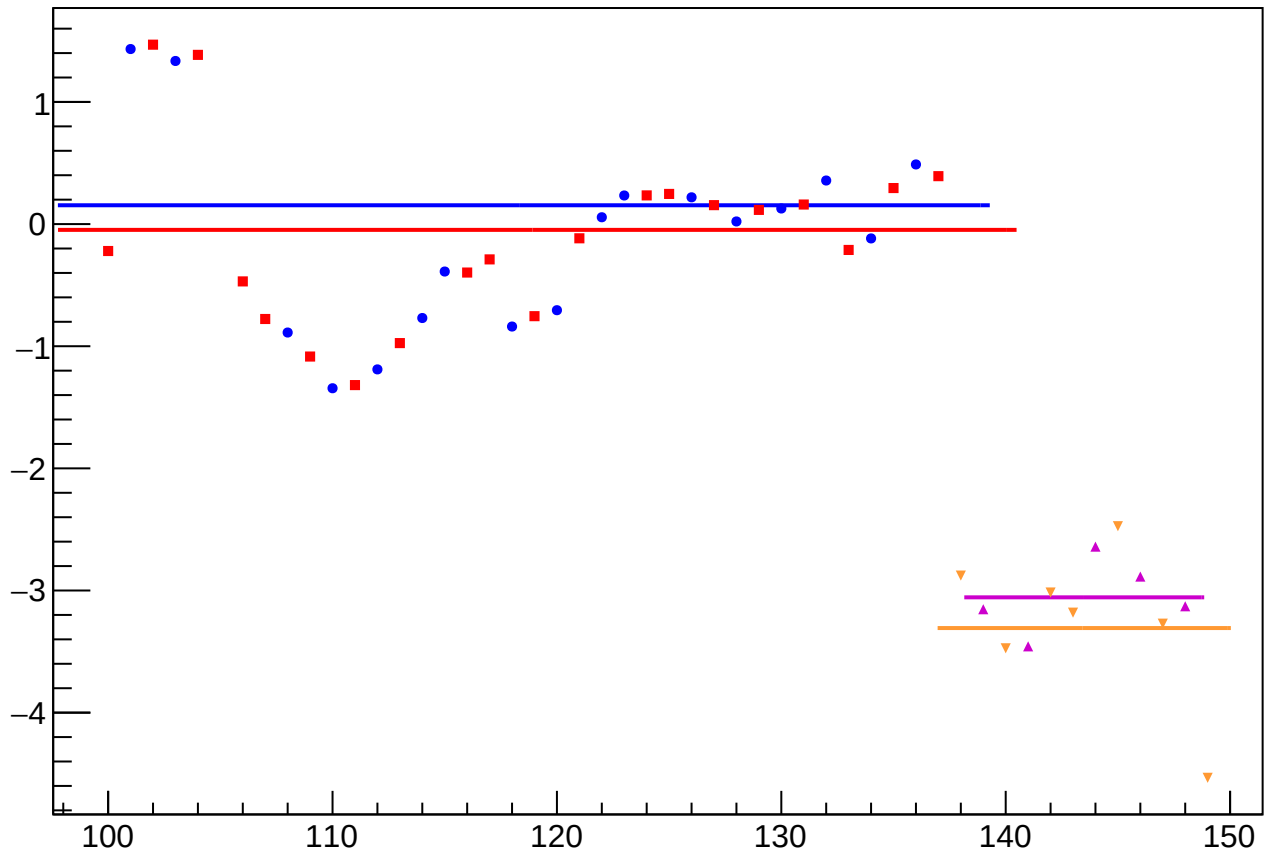
Right Out: 0.005+/-0.000 χ^2/NDF : 252664.1/19

Left In: 0.009+/-0.000 χ^2/NDF :7332.1/4

0.006+/-0.000 χ^2/NDF : 1255456.8/23

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: -3.307+/-0.000 χ^2/NDF : 6384556689.9/6

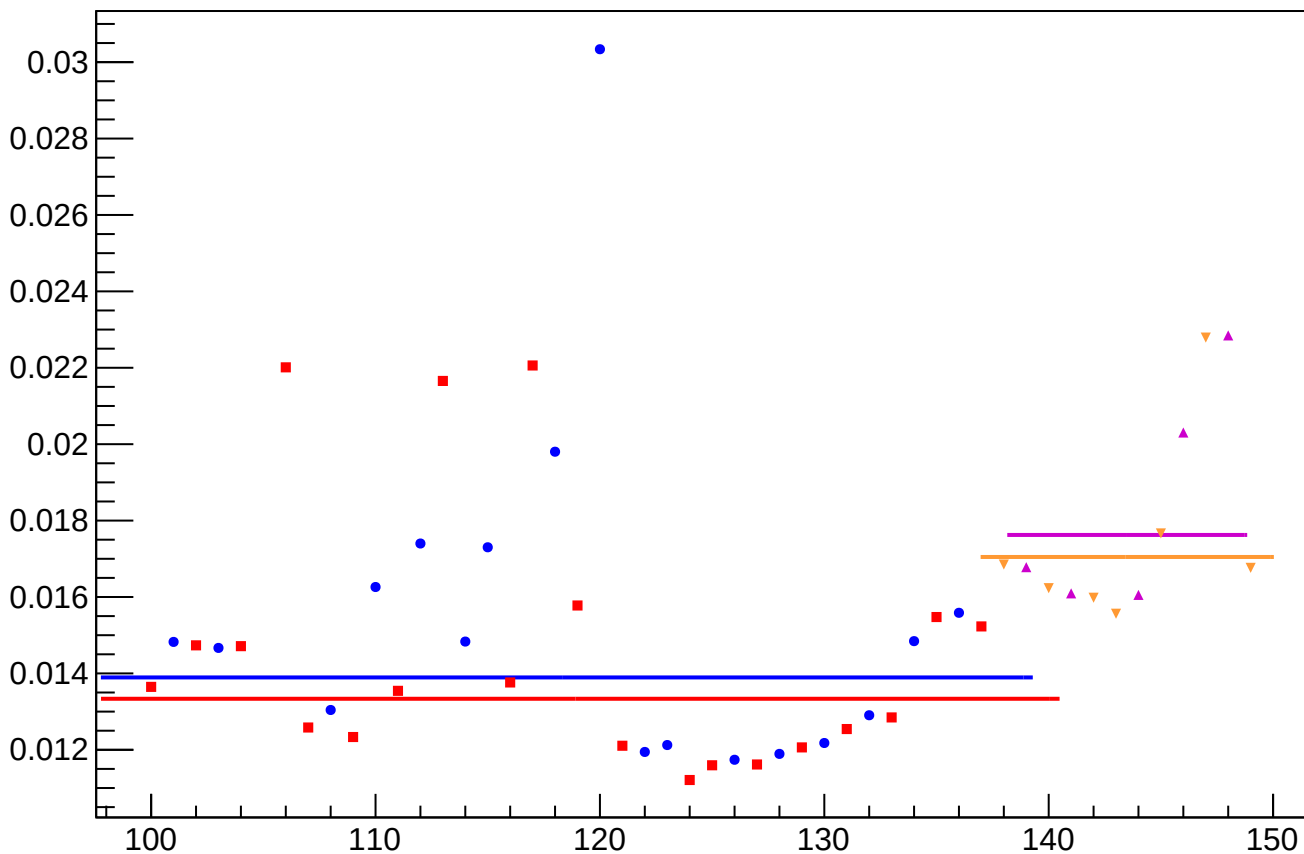
-1.027+/-0.000 χ^2/NDF : 148754861975.1/23

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 :111087.6/6

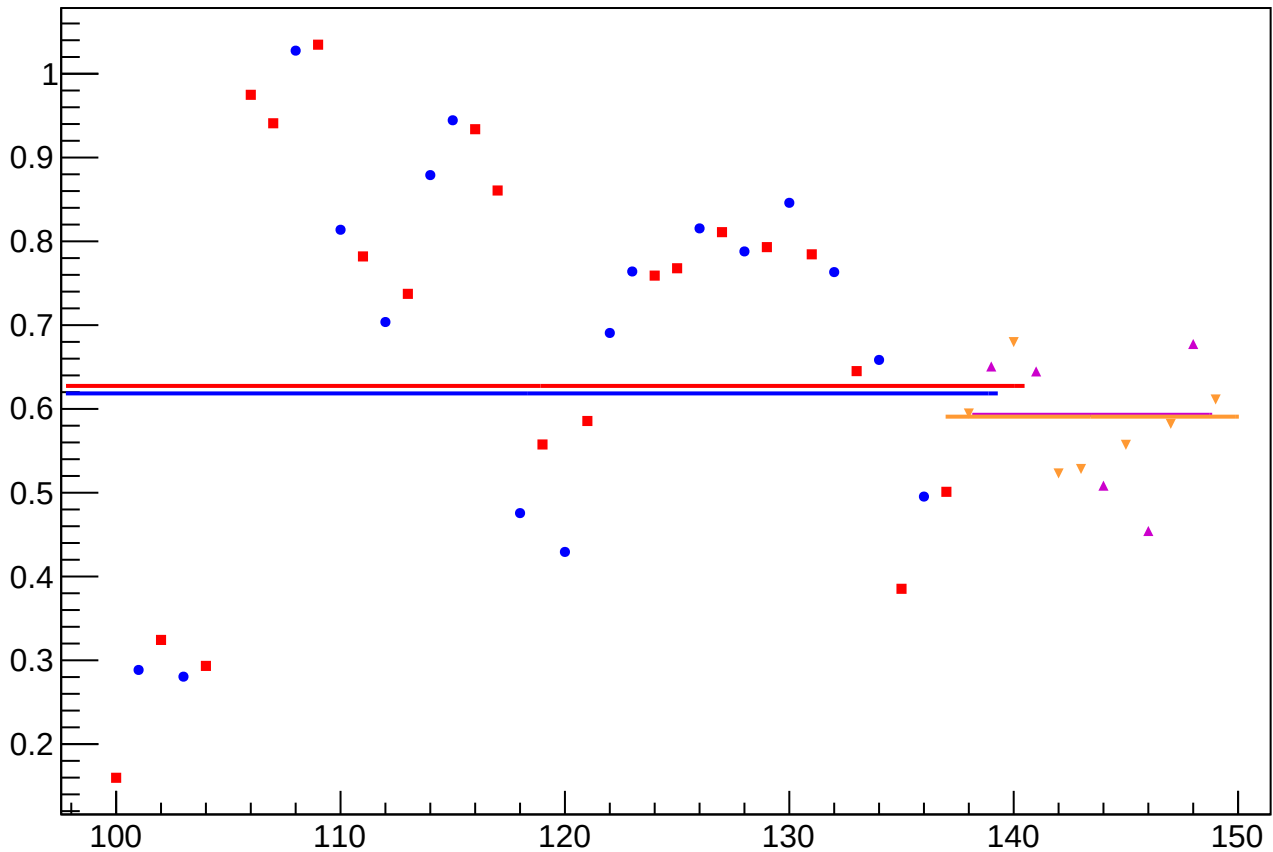
Right Out: 0.013+/-0.000 χ^2/NDF : 303459.9/19

Left In: 0.018+/-0.000 χ^2/NDF :134011.2/4

0.015+/-0.000 χ^2/NDF : 719726.1/23

0.014+/-0.000 χ^2/NDF : 764697.8/24

yield_bpm0l02Y_mean vs Slug



Right In: 0.619 $\pm$ 0.000 χ^2 /NDF: 5416939288.1/16

Left Out: 0.591 $\pm$ 0.000 χ^2 /NDF: 221413195.0/6

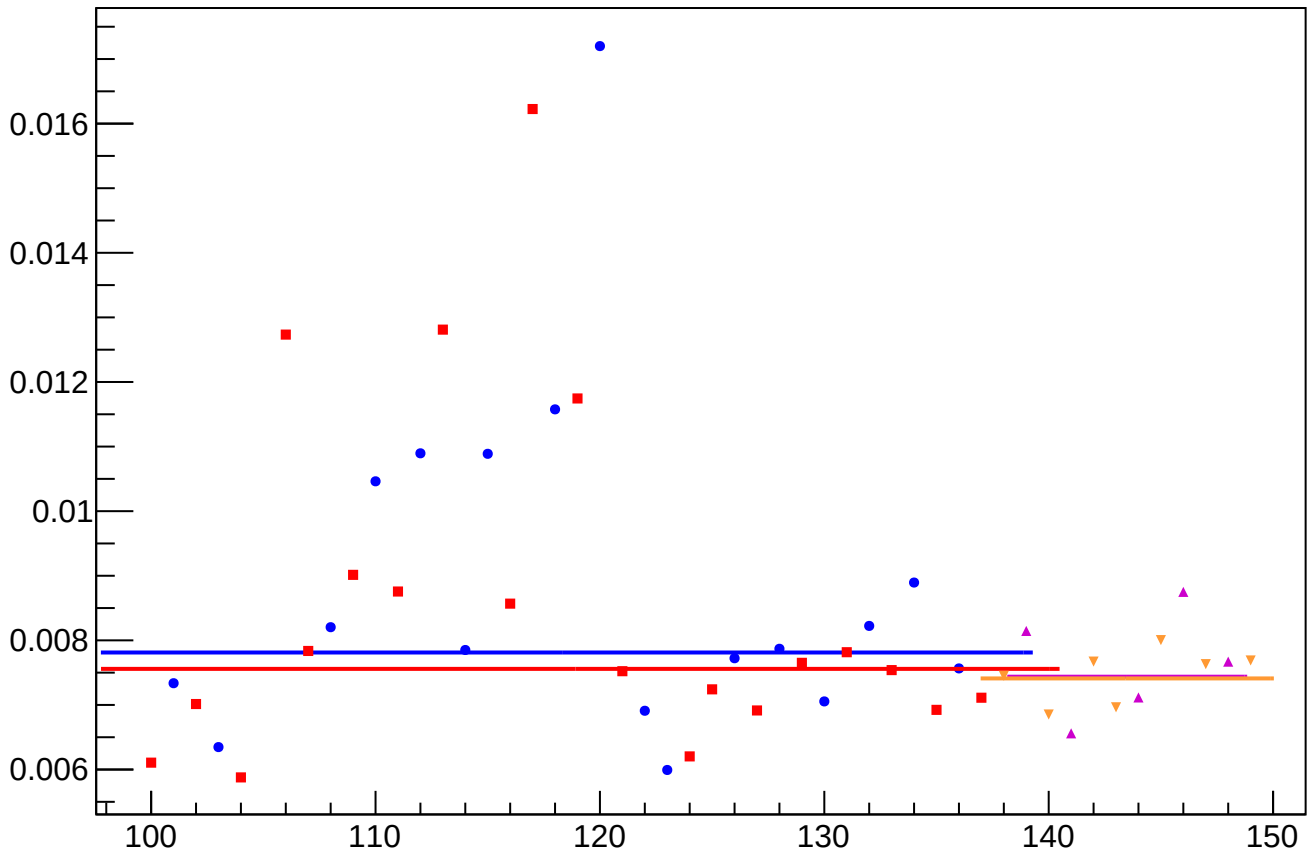
Right Out: 0.627 $\pm$ 0.000 χ^2 /NDF: 6345684740.0/19

Left In: 0.593 $\pm$ 0.000 χ^2 /NDF: 455604076.1/4

0.606 $\pm$ 0.000 χ^2 /NDF: 5671992297.3/23

0.615 $\pm$ 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 :25935.3/6

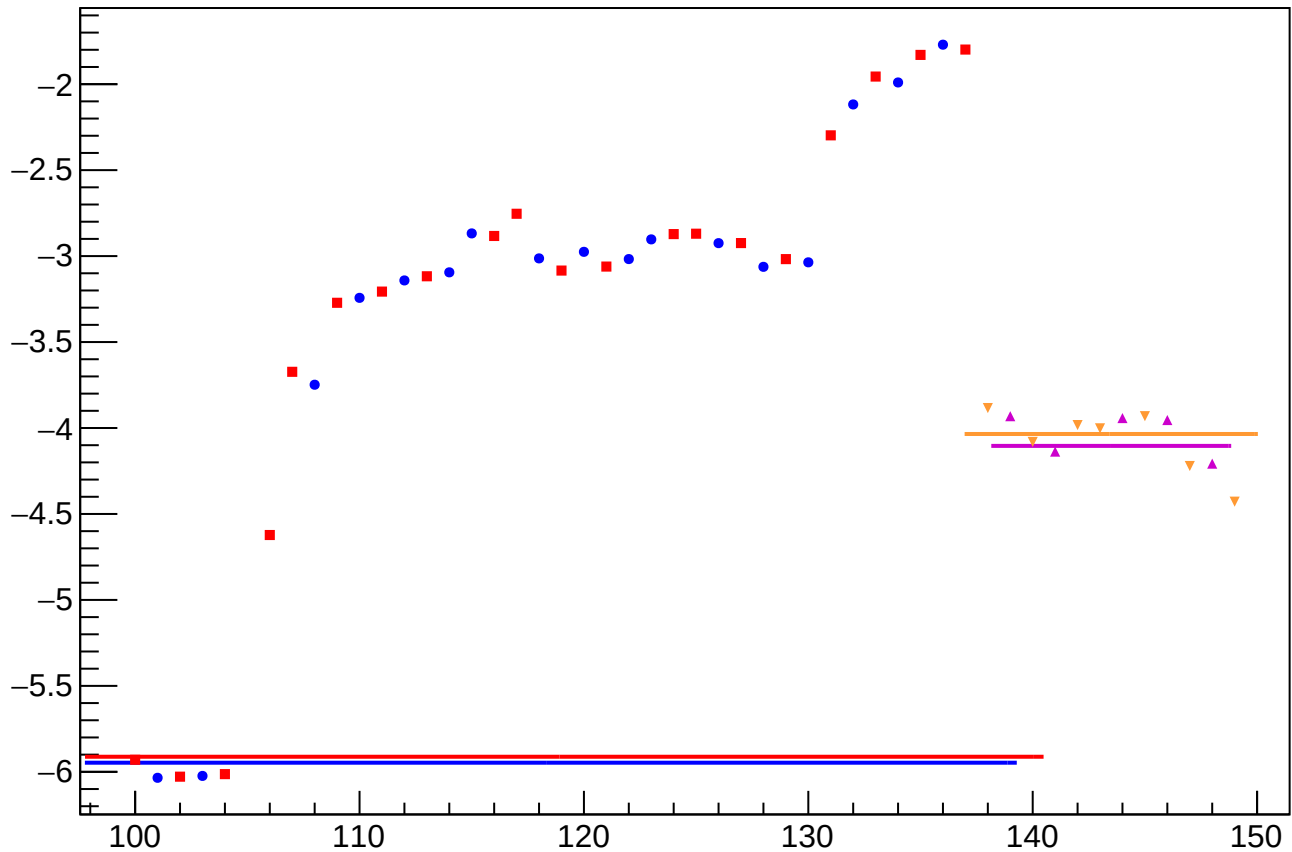
Right Out: 0.008+/-0.000 χ^2/NDF : 463232.7/19

Left In: 0.007+/-0.000 χ^2/NDF :73692.9/4

0.008+/-0.000 χ^2/NDF : 506859.6/23

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: -4.035+/-0.000 χ^2/NDF : 14852795.1/6

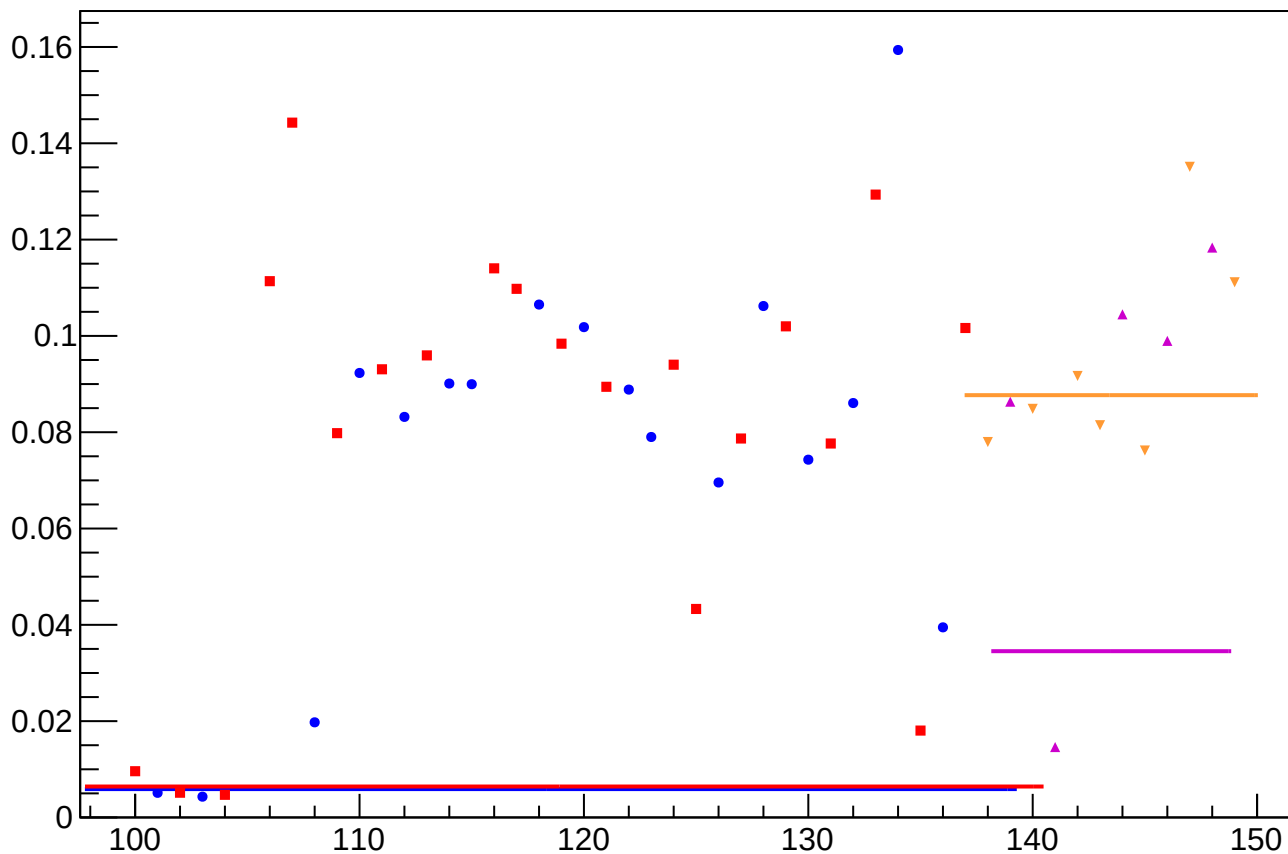
-5.924+/-0.000 χ^2/NDF : 15226590898.9/23

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 $\pm$ 0.000 χ^2 /NDF: 7934545.2/16

Left Out: 0.088 $\pm$ 0.000 χ^2 /NDF:293625.0/6

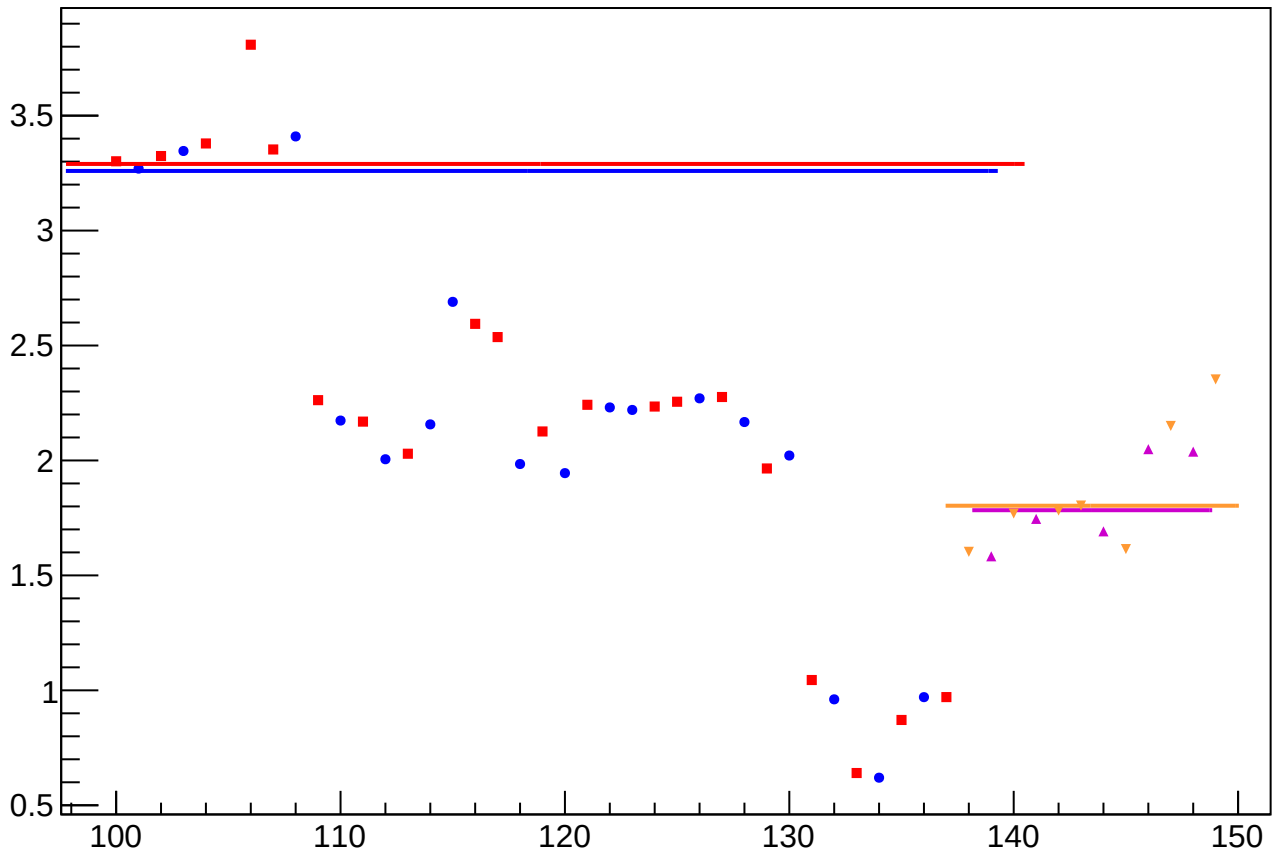
Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8558731.2/19

Left In: 0.035 $\pm$ 0.000 χ^2 /NDF:3062822.1/4

0.007 $\pm$ 0.000 χ^2 /NDF: 15716977.2/23

0.007 $\pm$ 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: 1.803+/-0.000 χ^2/NDF :29091250.3/6

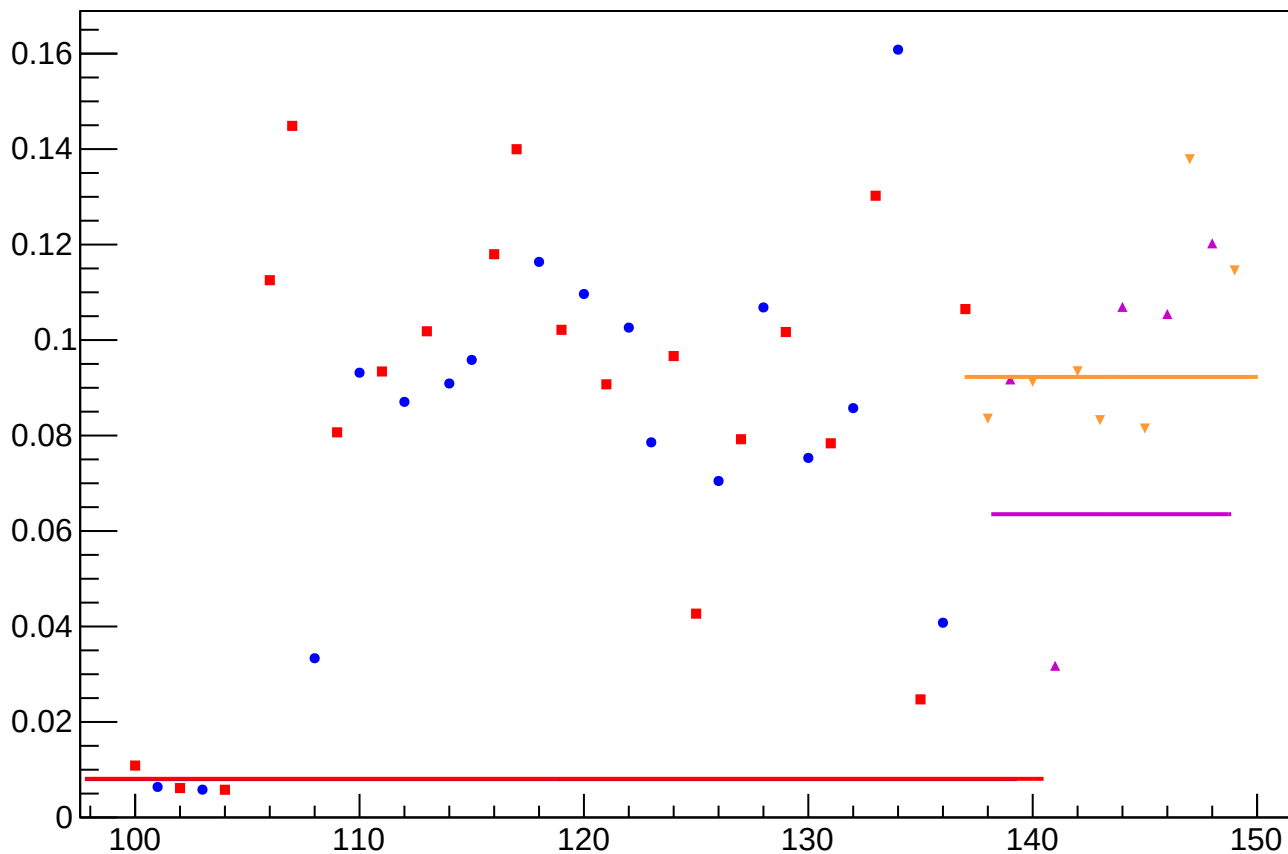
3.234+/-0.000 χ^2/NDF : 4023345384.8/23

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: 0.092+/-0.000 χ^2/NDF : 256474.4/6

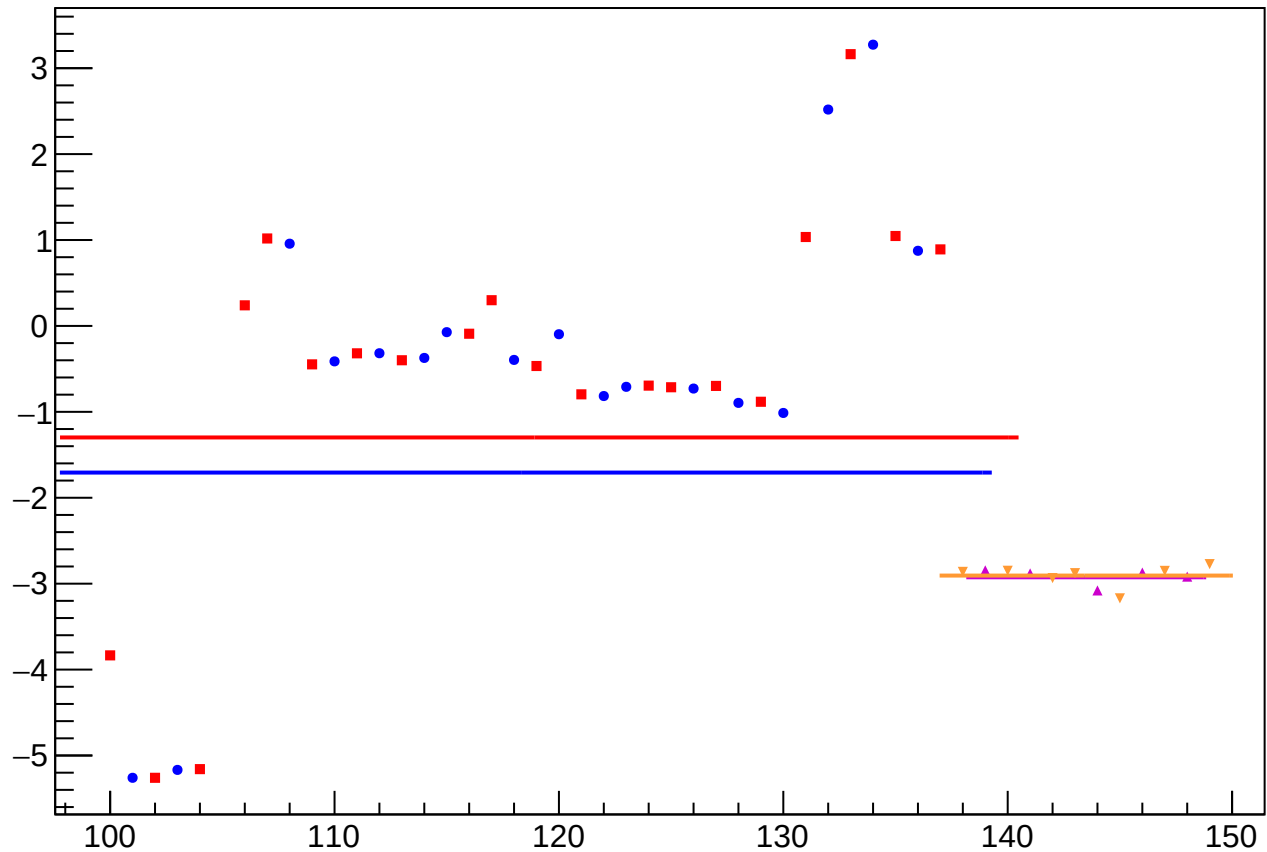
Right Out: 0.008+/-0.000 χ^2/NDF : 8375005.0/19

Left In: 0.064+/-0.000 χ^2/NDF : 1535489.0/4

0.010+/-0.000 χ^2/NDF : 15173882.0/23

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: -2.906+/-0.000 χ^2/NDF : 1210827706.6/6

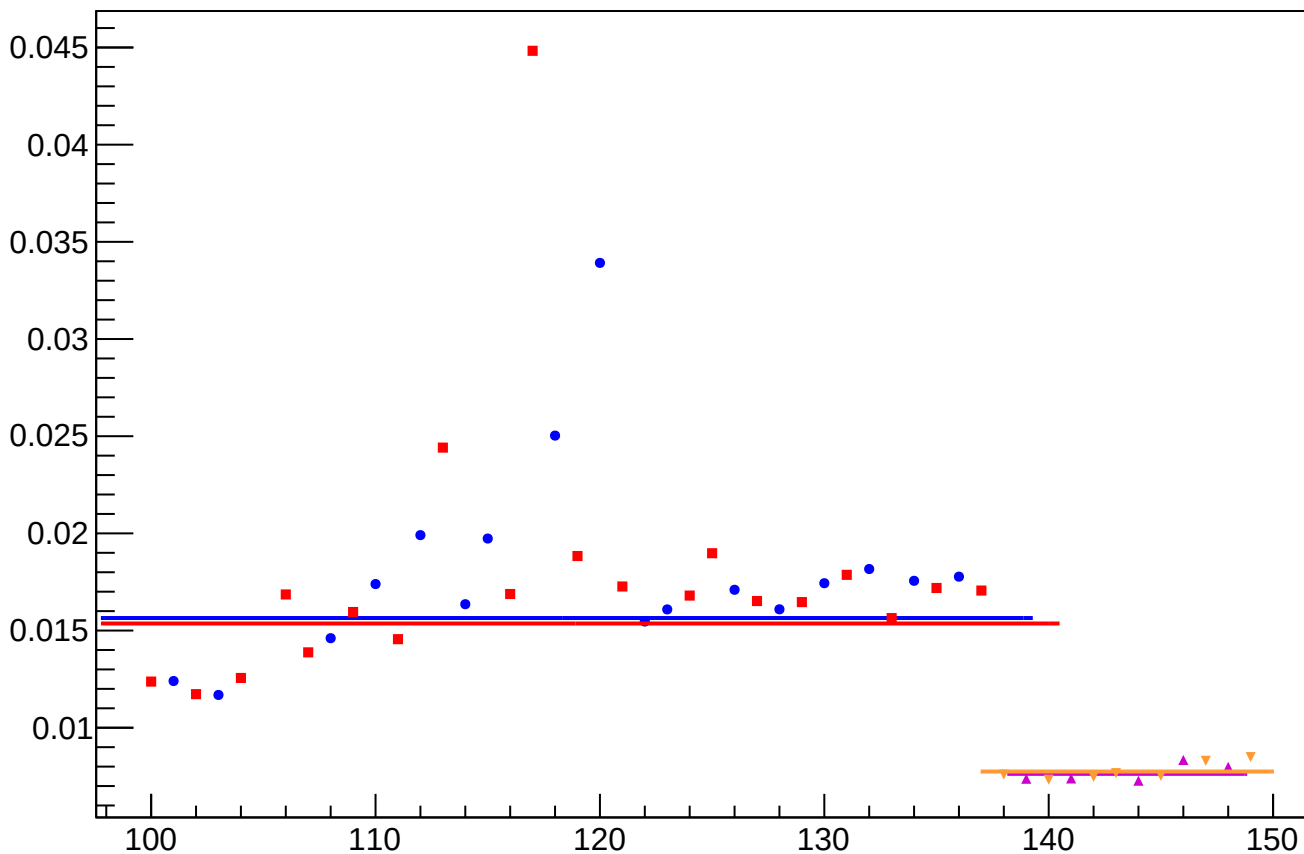
-2.637+/-0.000 χ^2/NDF : 192877641804.8/23

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: 0.008+/-0.000 χ^2/NDF : 26390.8/6

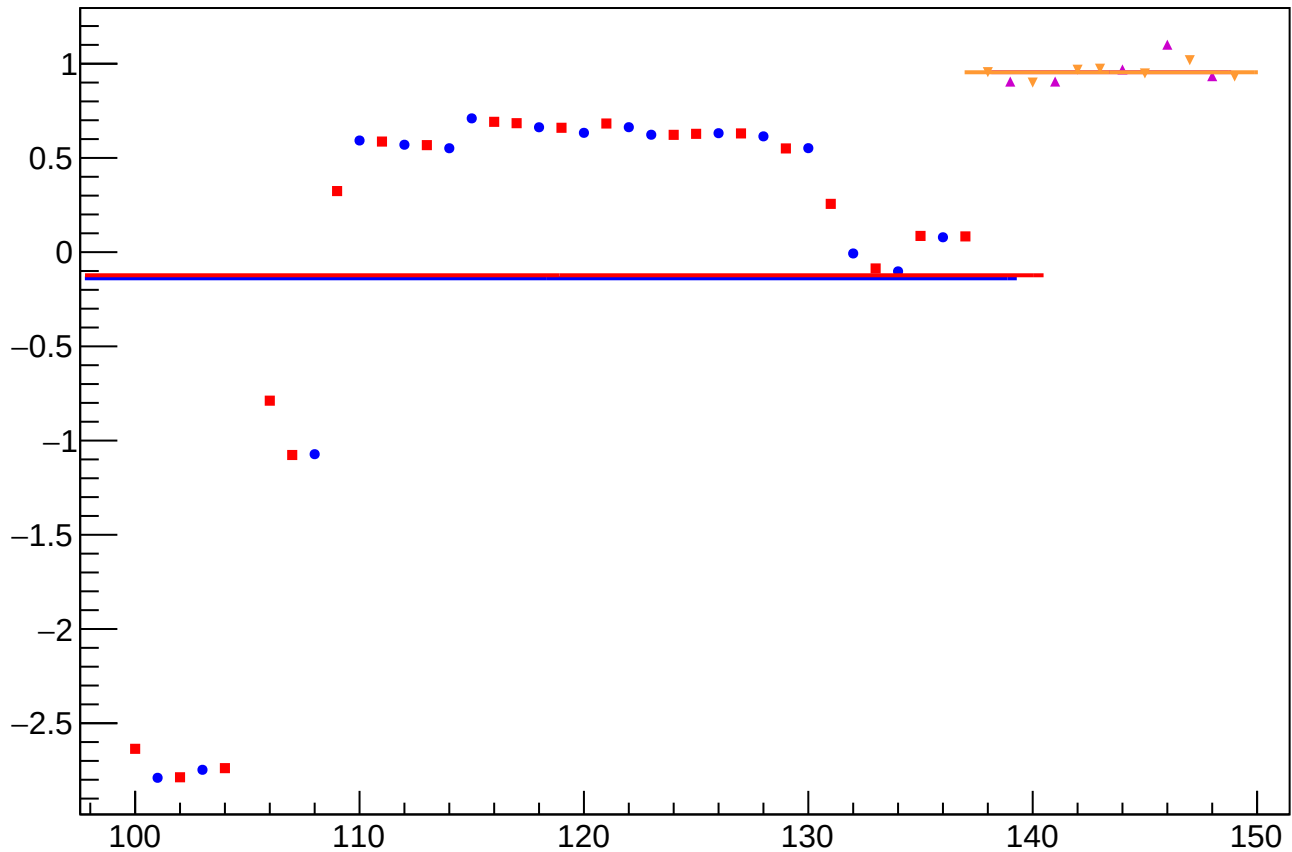
Right Out: 0.015+/-0.000 χ^2/NDF : 387283.2/19

Left In: 0.008+/-0.000 χ^2/NDF : 21489.4/4

0.010+/-0.000 χ^2/NDF : 2821961.0/23

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

0.026 ± 0.000 χ^2/NDF : 807738660790.2/23

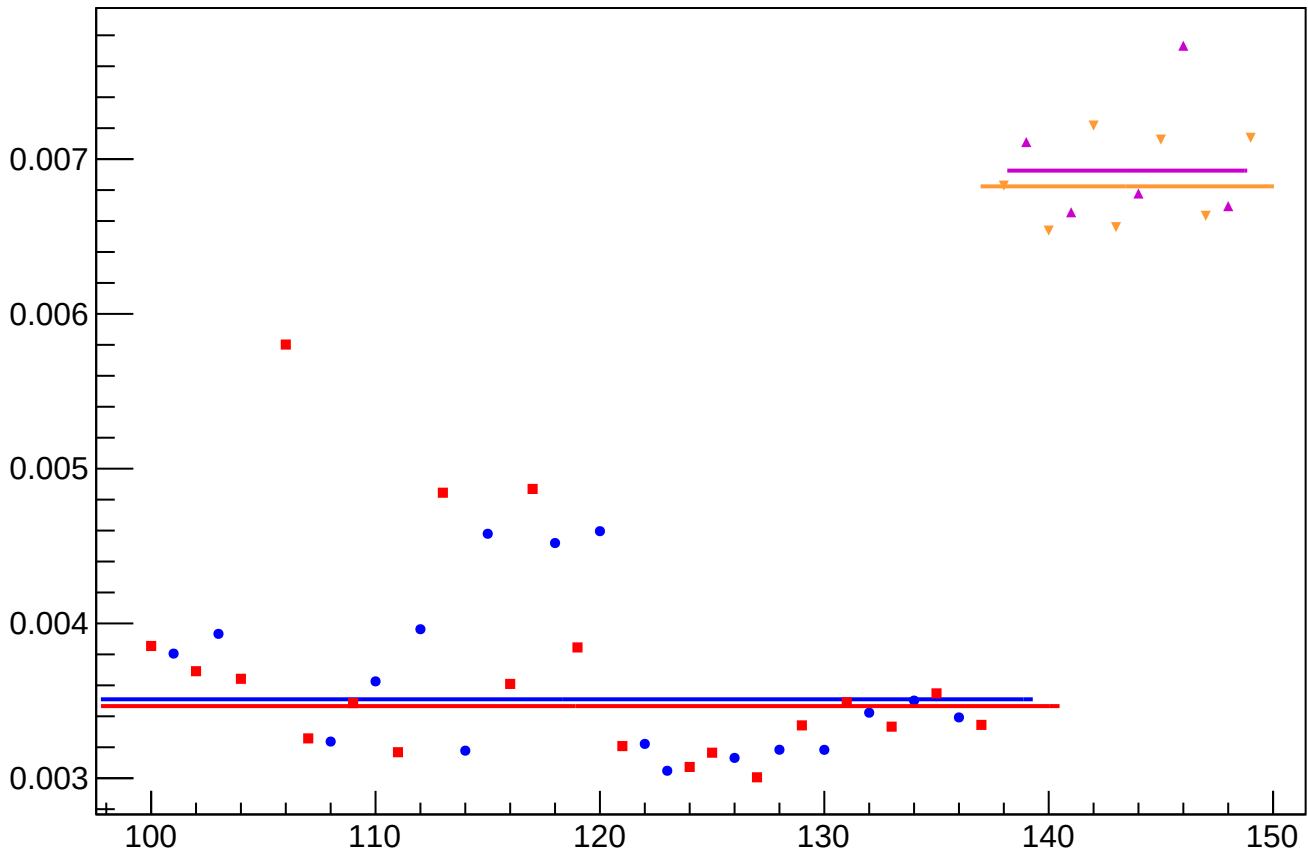
Left Out: 0.955 ± 0.000 χ^2/NDF : 121362244.5/6

Right Out: -0.123 ± 0.000 χ^2/NDF : 762580598699.5/19

0.001 ± 0.000 χ^2/NDF : 837909616943.3/24

Left In: 0.955 ± 0.000 χ^2/NDF : 312801939.1/4

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 171337.9/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:12901.6/6

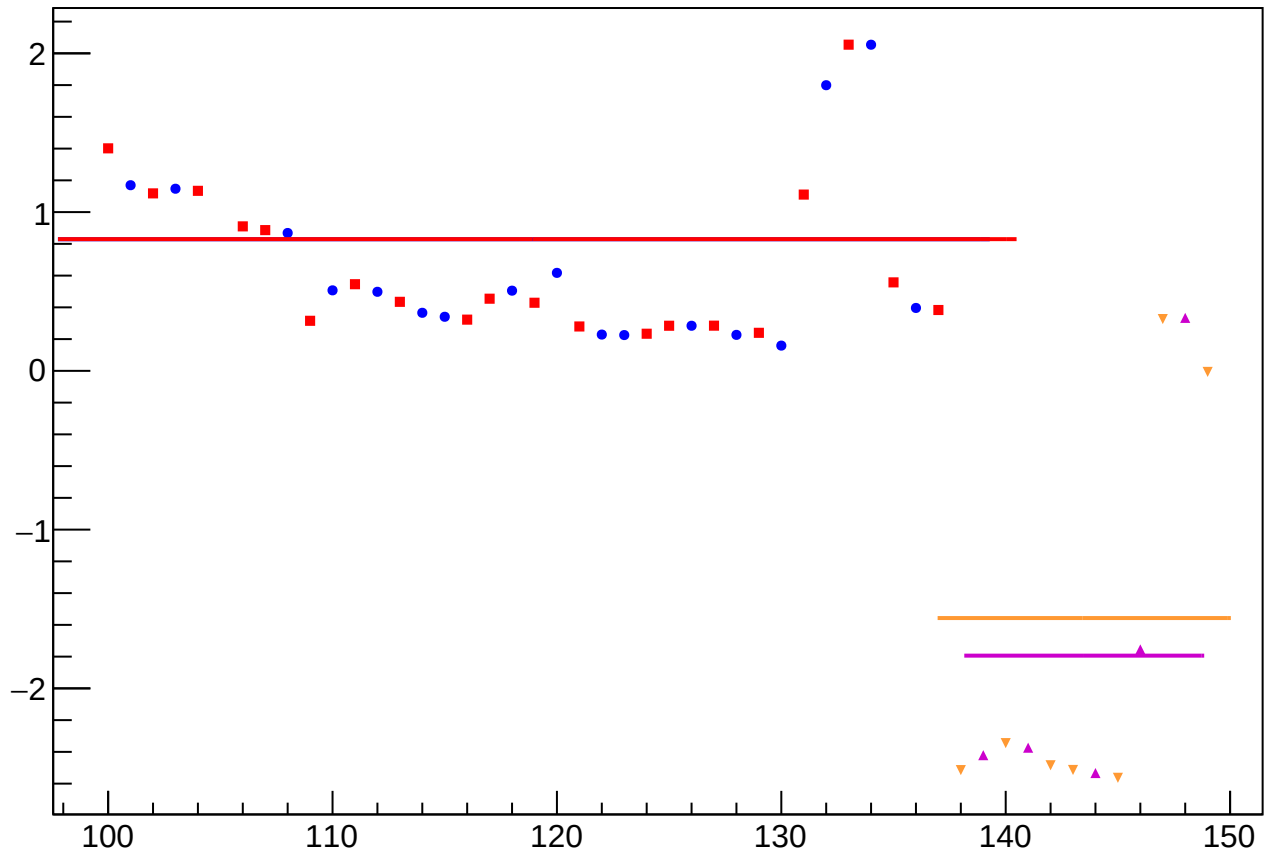
Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 222524.1/19

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:19774.8/4

0.004 $\pm$ 0.000 χ^2 /NDF: 1885134.5/23

0.004 $\pm$ 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: -0.238+/-0.000 χ^2/NDF : 176164309483.6/6

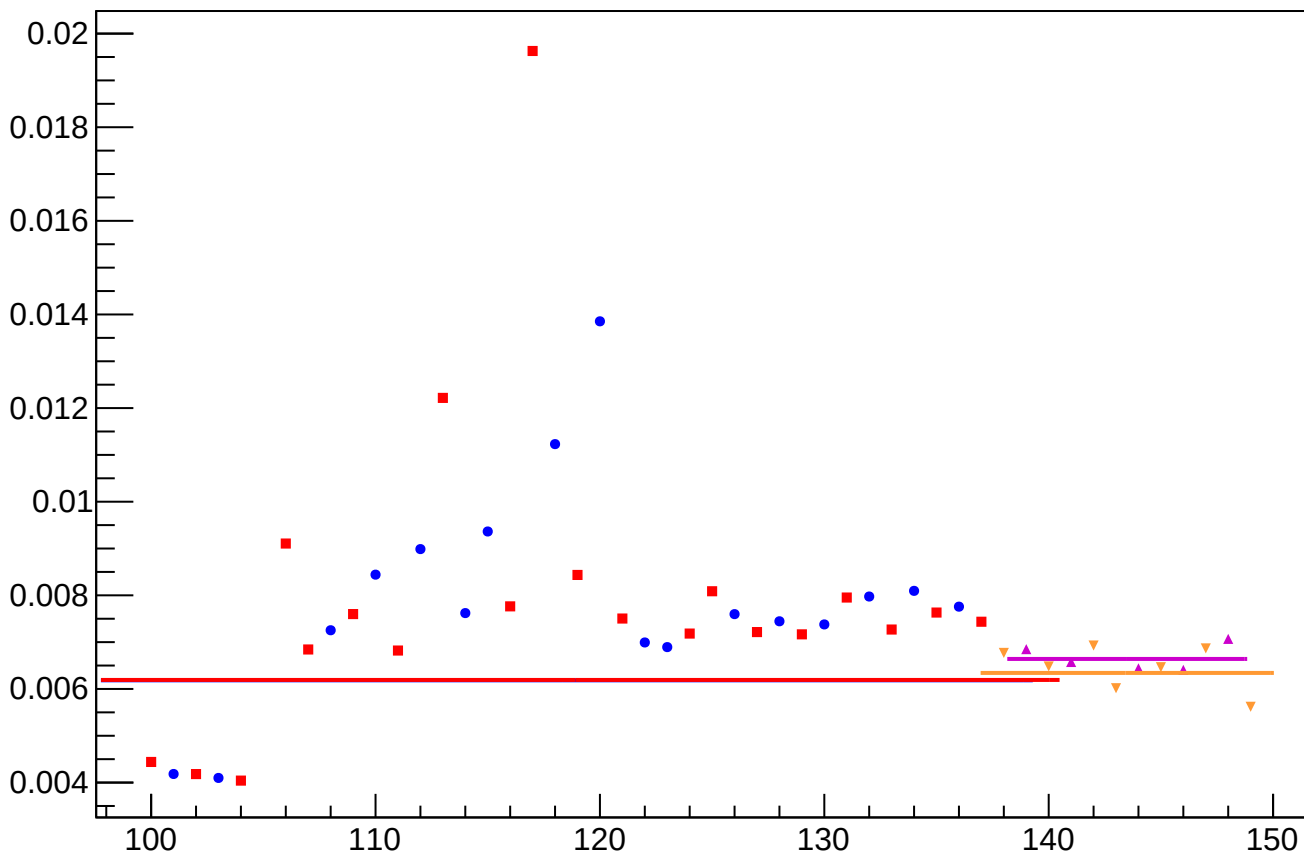
Right Out: 0.830+/-0.000 χ^2/NDF : 33349713412.0/19

Left In: -1.794+/-0.000 χ^2/NDF : 90573668965.9/4

-0.238+/-0.000 χ^2/NDF : 561547321777.6/23

-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: 0.006+/-0.000 χ^2/NDF : 49359.5/6

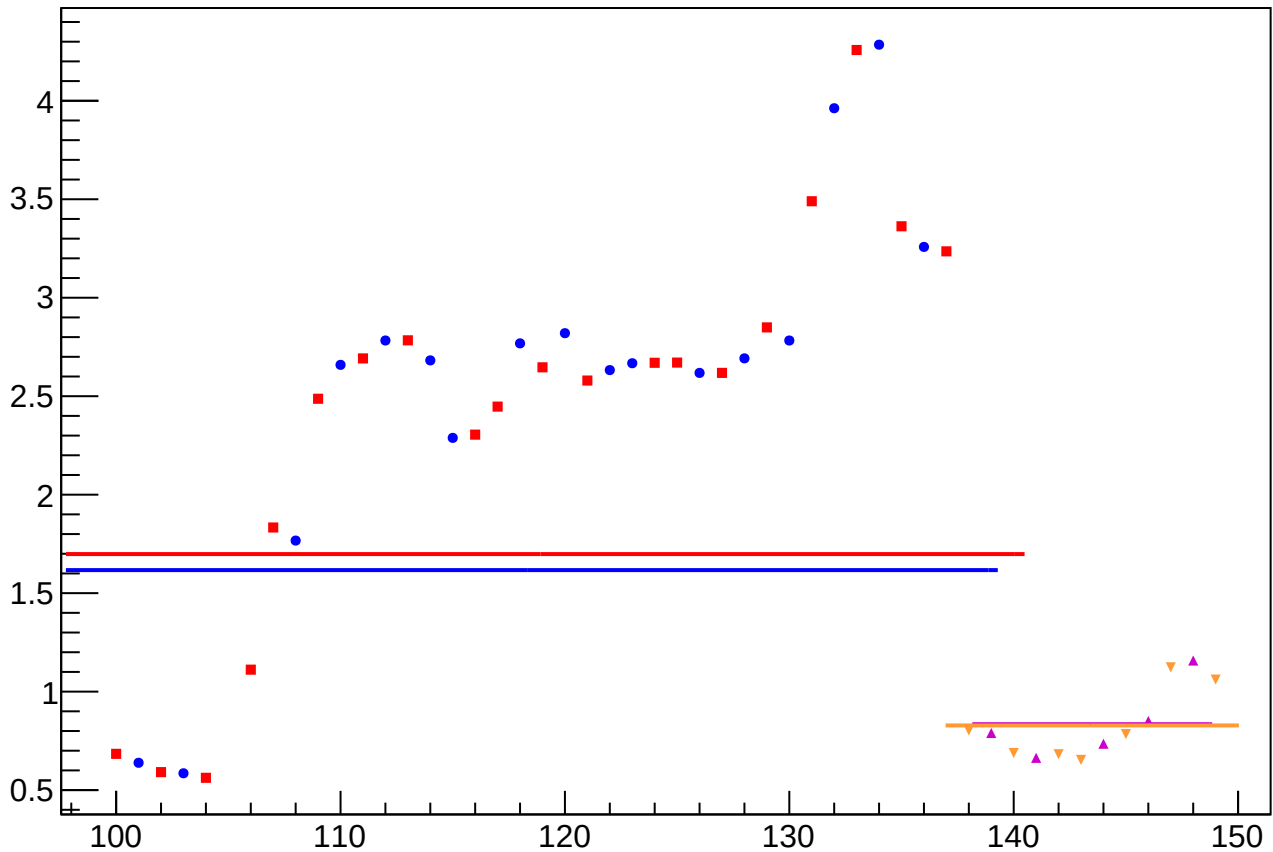
Right Out: 0.006+/-0.000 χ^2/NDF : 1062886.2/19

Left In: 0.007+/-0.000 χ^2/NDF : 10367.1/4

0.006+/-0.000 χ^2/NDF : 1281408.9/23

0.006+/-0.000 χ^2/NDF : 1094986.5/24

yield_bpm0l05Y_mean vs Slug



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 0.828+/-0.000 χ^2/NDF : 3159634449.6/6

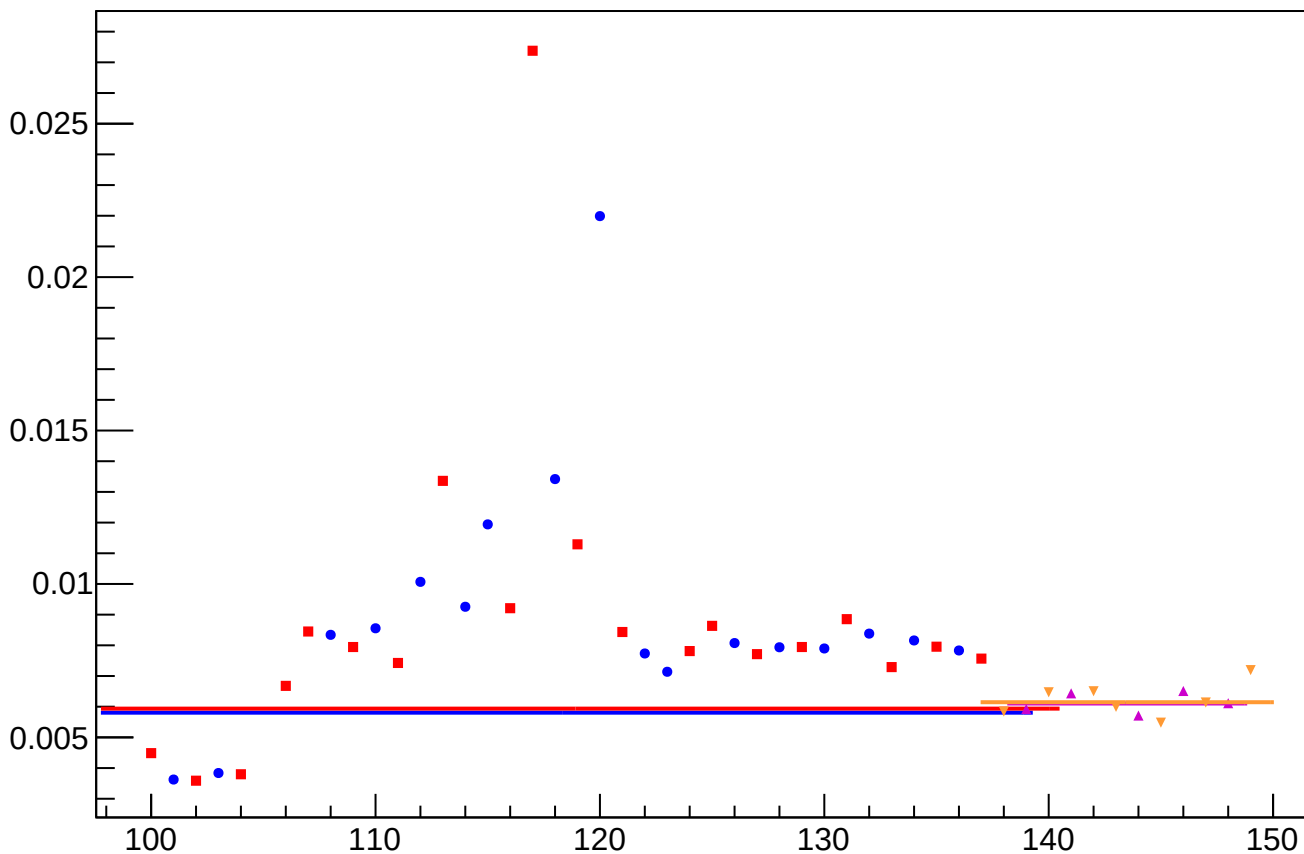
1.277+/-0.000 χ^2/NDF : 244484628206.9/23

Right Out: 1.698+/-0.000 χ^2/NDF : 227436227264.4/19

1.376+/-0.000 χ^2/NDF : 272617716296.3/24

Left In: 0.835+/-0.000 χ^2/NDF : 2718021434.1/4

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 :56217.7/6

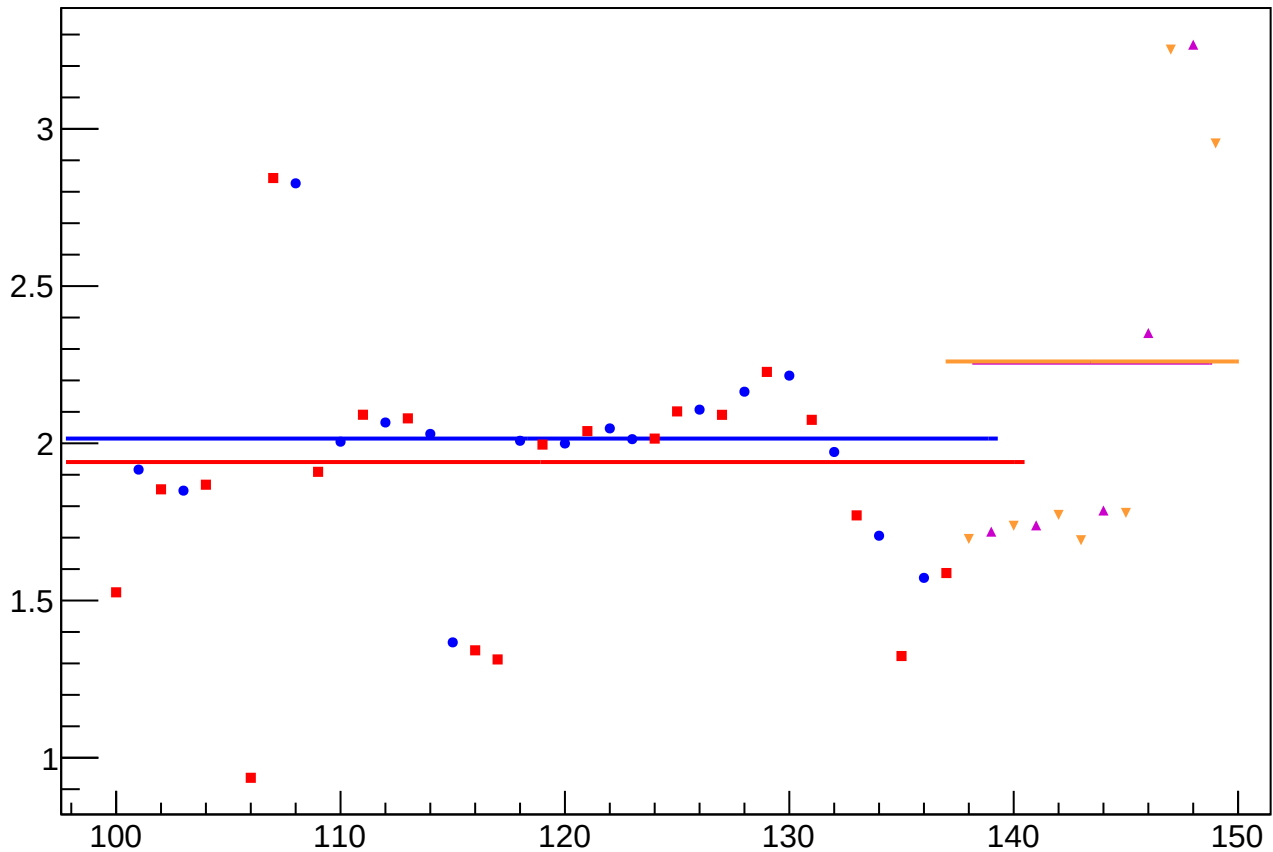
Right Out: 0.006+/-0.000 χ^2/NDF : 1731283.0/19

Left In: 0.006+/-0.000 χ^2/NDF :17149.0/4

0.006+/-0.000 χ^2/NDF : 1988564.3/23

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: 2.260+/-0.000 χ^2/NDF : 34341979118.8/6

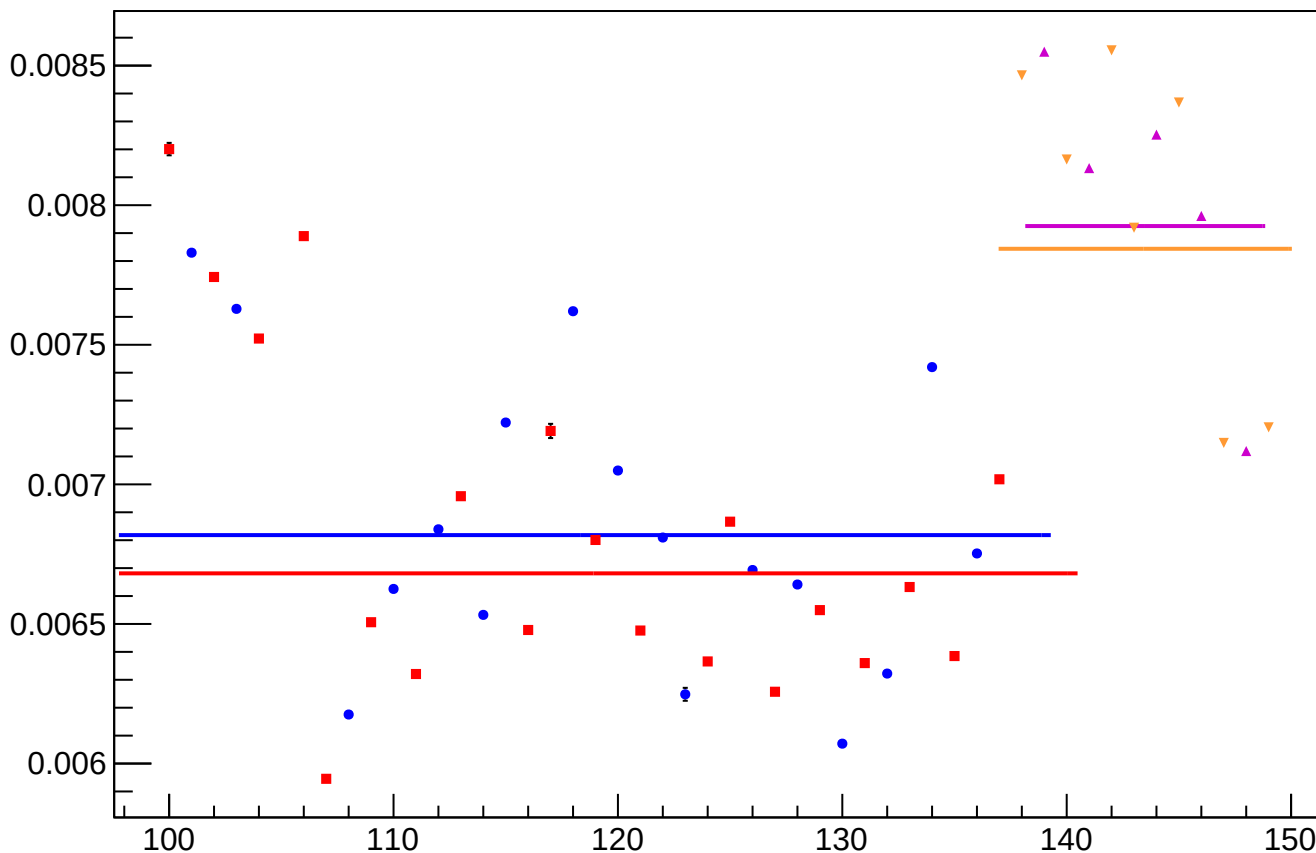
2.103+/-0.000 χ^2/NDF : 49502519837.4/23

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 : 46949.3/6

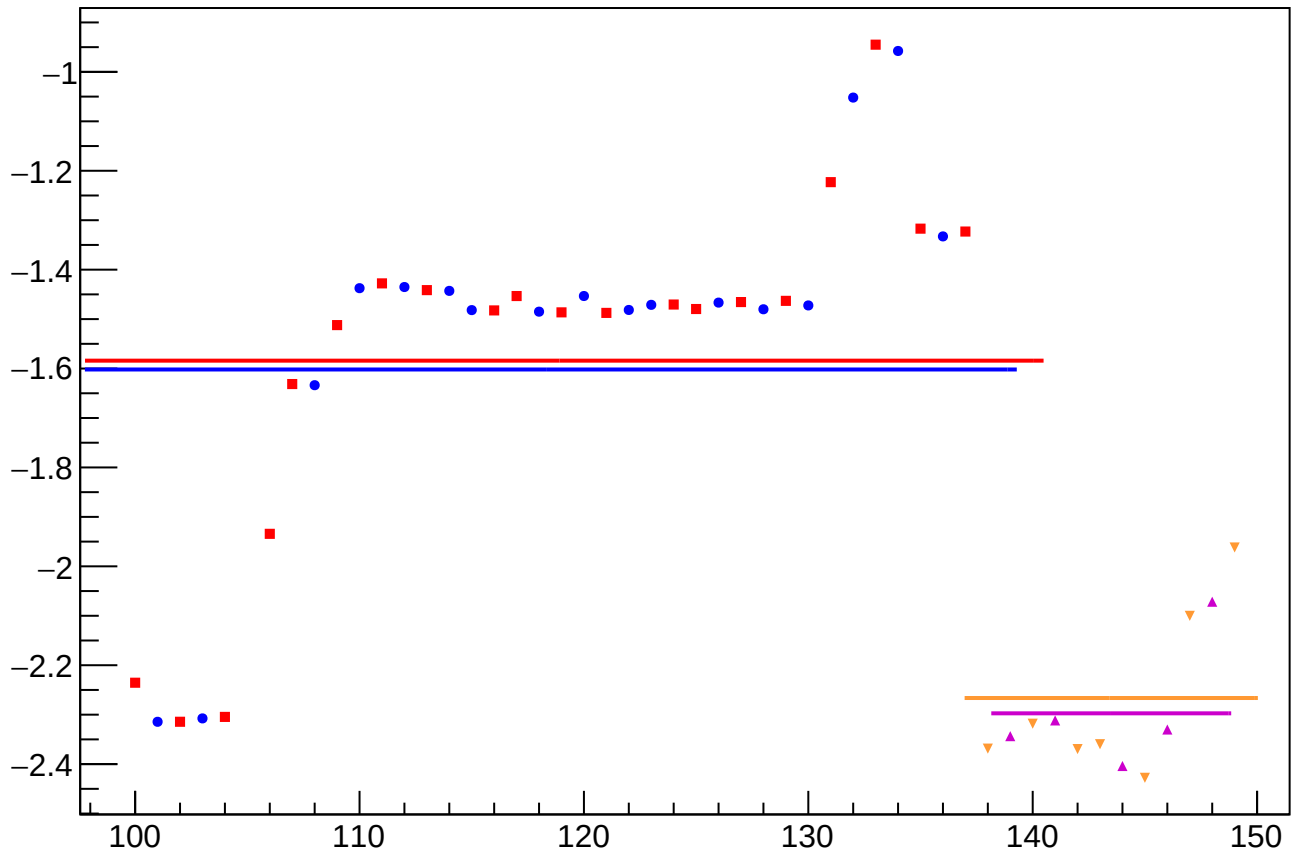
Right Out: 0.007+/-0.000 χ^2/NDF : 76121.2/19

Left In: 0.008+/-0.000 χ^2/NDF : 30678.7/4

0.007+/-0.000 χ^2/NDF : 225376.7/23

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: -2.266+/-0.000 χ^2/NDF : 14212056479.8/6

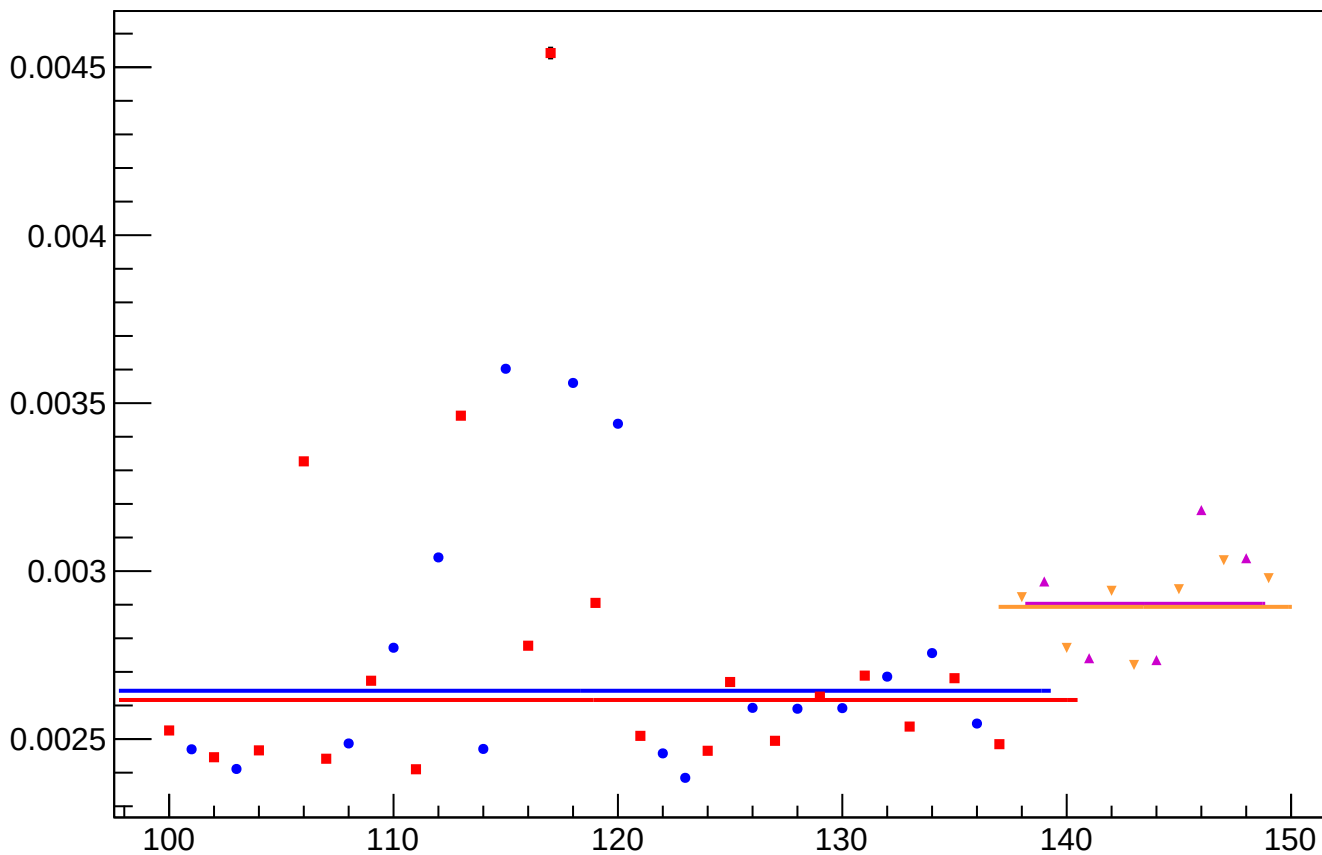
-1.852+/-0.000 χ^2/NDF : 303541099154.2/23

Right Out: -1.584+/-0.000 χ^2/NDF : 143612120137.8/19

-1.805+/-0.000 χ^2/NDF : 303549959946.1/24

Left In: -2.297+/-0.000 χ^2/NDF : 5666445006.4/4

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 :12810.3/6

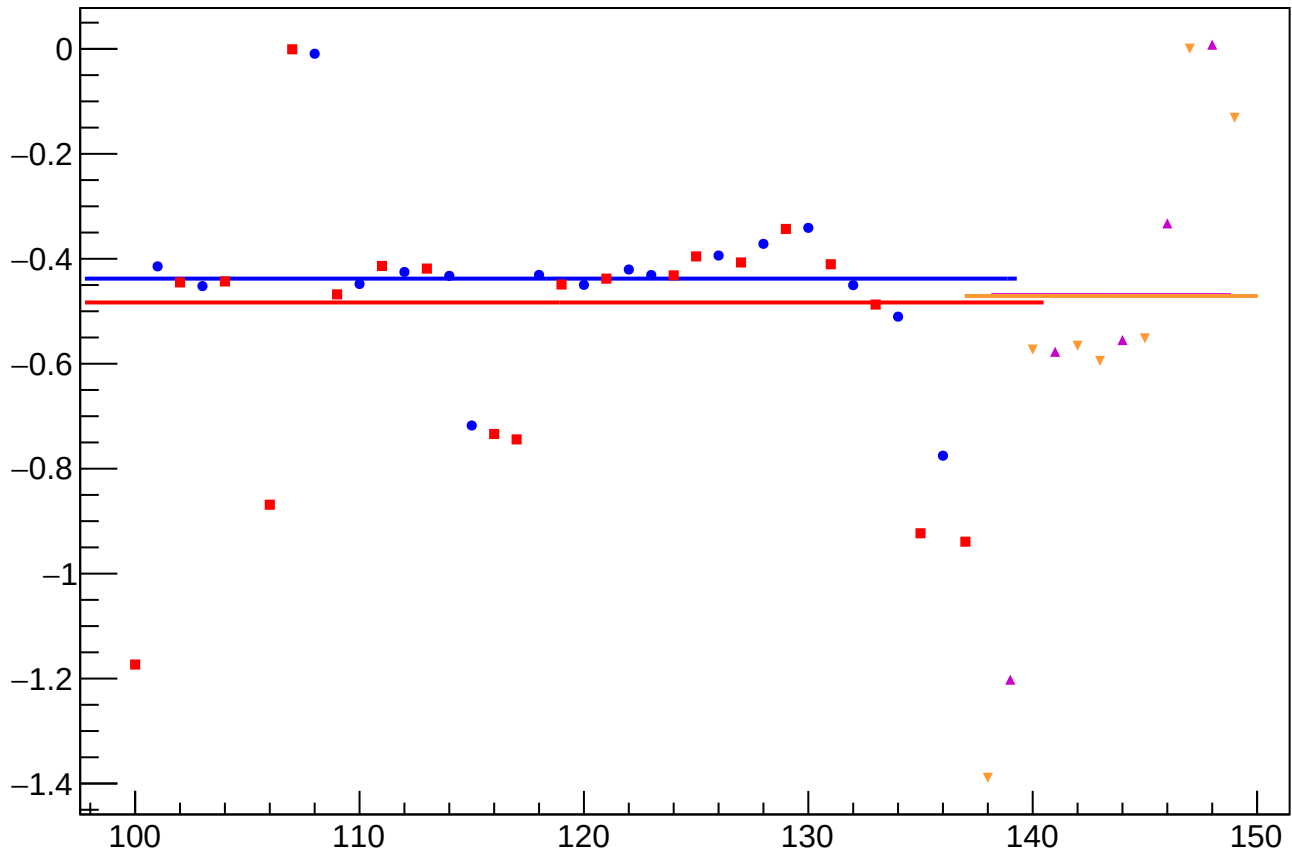
Right Out: 0.003+/-0.000 χ^2/NDF : 119852.1/19

Left In: 0.003+/-0.000 χ^2/NDF :26202.6/4

0.003+/-0.000 χ^2/NDF : 206346.7/23

0.003+/-0.000 χ^2/NDF : 195758.5/24

yield_bpm0l07X_mean vs Slug



Right In: -0.438 ± 0.000 $\chi^2/\text{NDF}: 1462454117.6/16$

Left Out: -0.471 ± 0.000 $\chi^2/\text{NDF}: 4695904043.5/6$

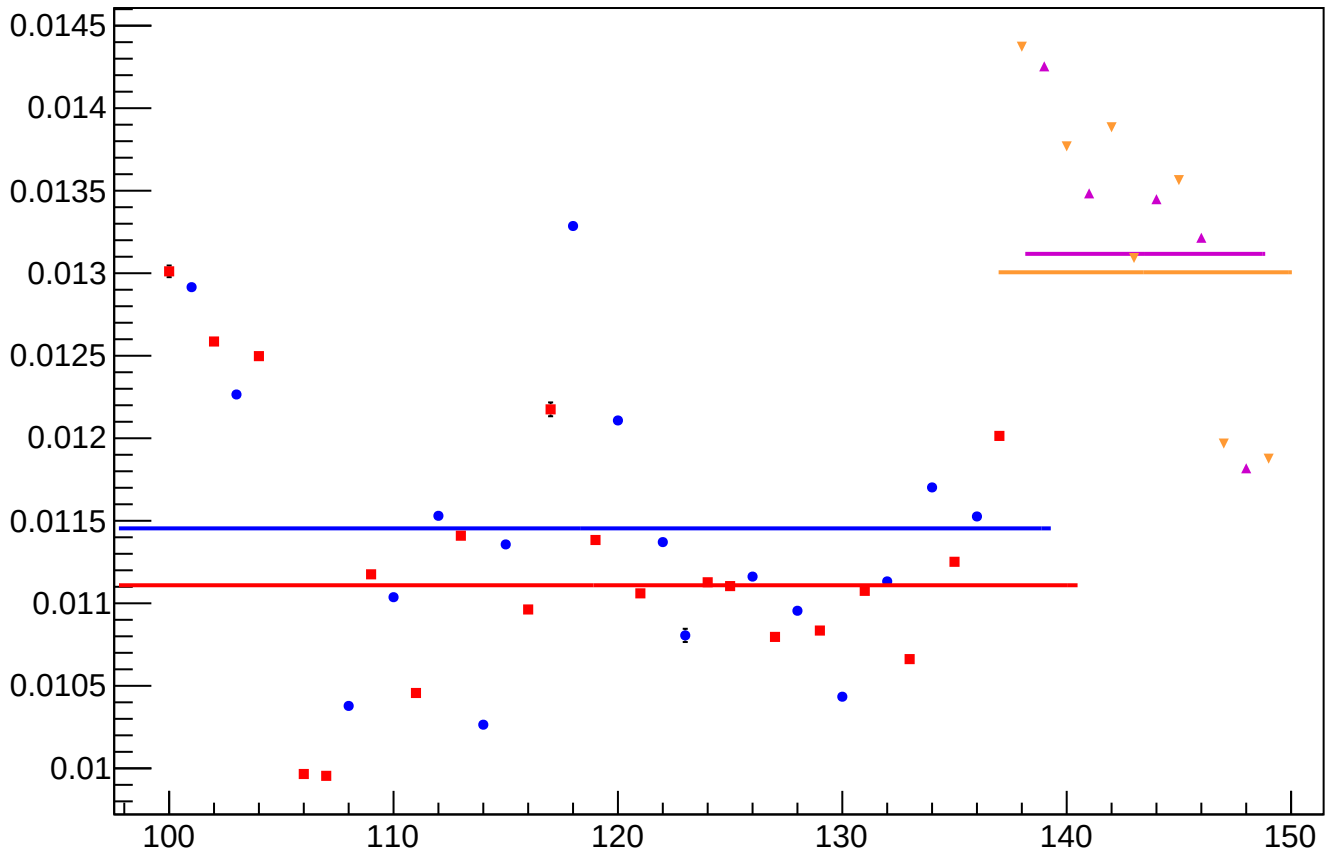
Right Out: -0.483 ± 0.000 $\chi^2/\text{NDF}: 2714164016.2/19$

Left In: -0.469 ± 0.000 $\chi^2/\text{NDF}: 3144504042.4/4$

-0.450 ± 0.000 $\chi^2/\text{NDF}: 6177683848.6/23$

-0.479 ± 0.000 $\chi^2/\text{NDF}: 5861749950.5/24$

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 : 47715.3/6

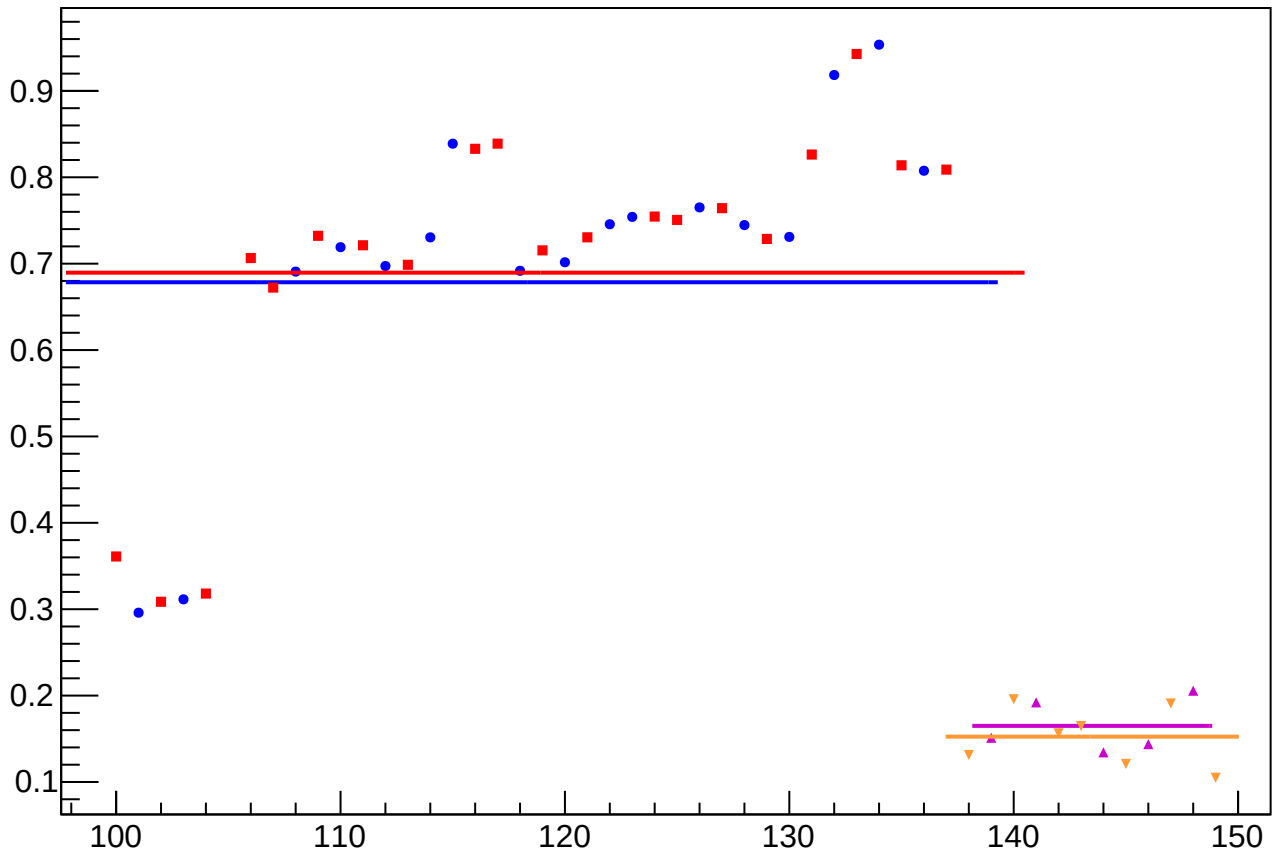
Right Out: 0.011+/-0.000 χ^2/NDF : 56696.9/19

Left In: 0.013+/-0.000 χ^2/NDF : 29146.6/4

0.012+/-0.000 χ^2/NDF : 197361.1/23

0.012+/-0.000 χ^2/NDF : 212932.9/24

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38506442638.3/16

Left Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 1197456475.6/6

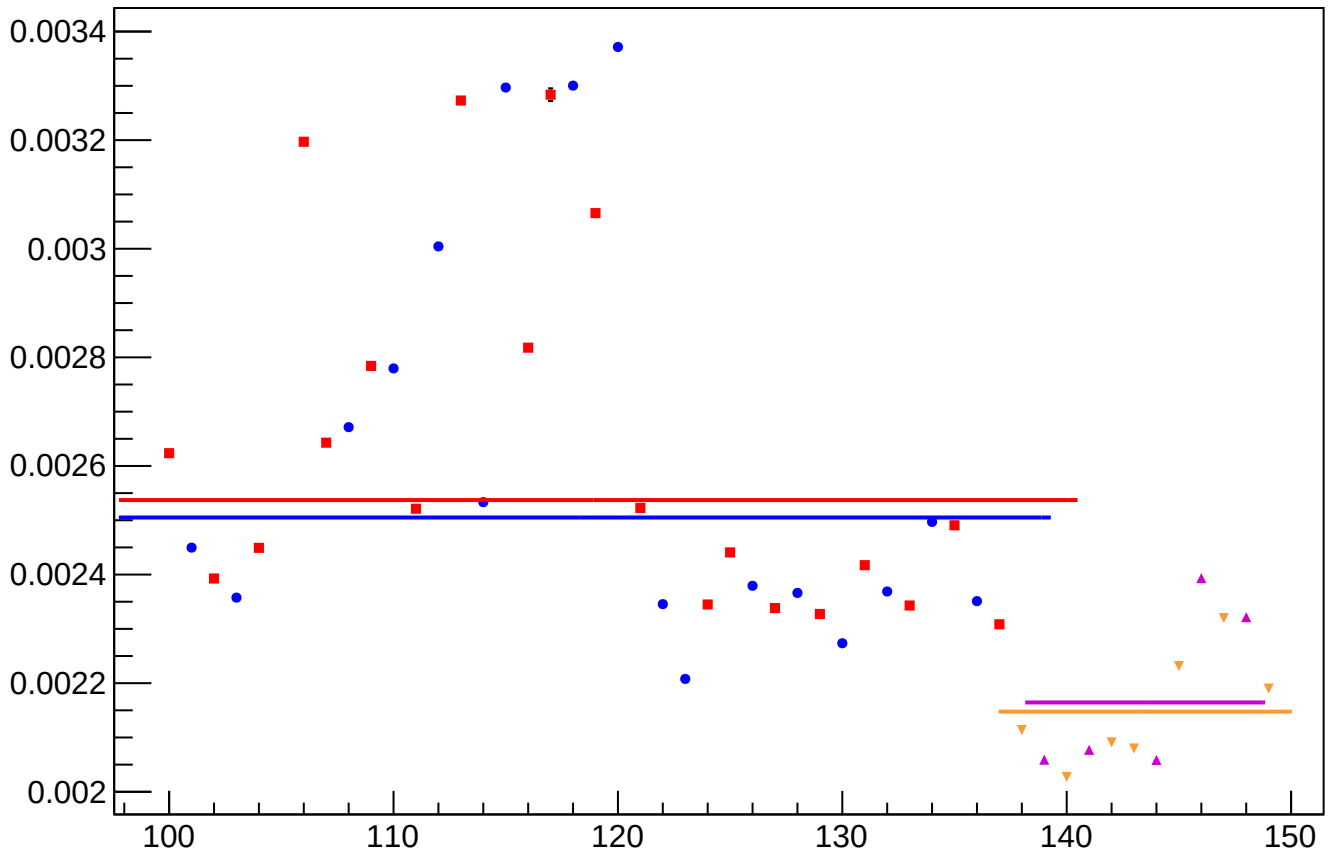
0.409 $\pm$ 0.000 χ^2 /NDF: 183599048423.0/23

Right Out: 0.690 $\pm$ 0.000 χ^2 /NDF: 35439496983.3/19

0.456 $\pm$ 0.000 χ^2 /NDF: 164448701749.9/24

Left In: 0.165 $\pm$ 0.000 χ^2 /NDF: 668868147.1/4

yield_bpm0l07Y_rms vs Slug



Right In: 0.003 ± 0.000 $\chi^2/\text{NDF}: 175524.0/16$

Left Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 19237.8/6$

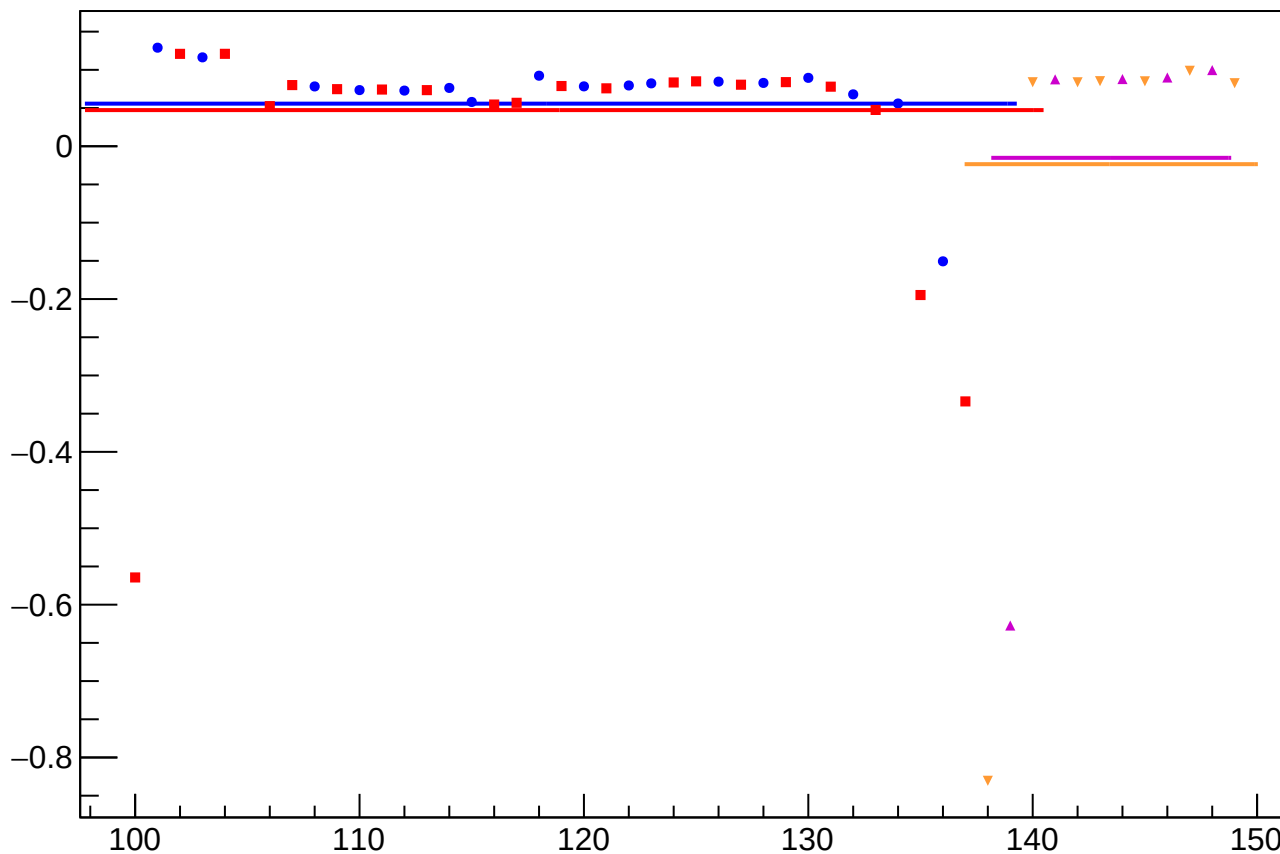
Right Out: 0.003 ± 0.000 $\chi^2/\text{NDF}: 135649.7/19$

Left In: 0.002 ± 0.000 $\chi^2/\text{NDF}: 32848.1/4$

0.002 ± 0.000 $\chi^2/\text{NDF}: 327716.7/23$

0.002 ± 0.000 $\chi^2/\text{NDF}: 298013.9/24$

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.023+/-0.000 χ^2/NDF : 2997410199.0/6

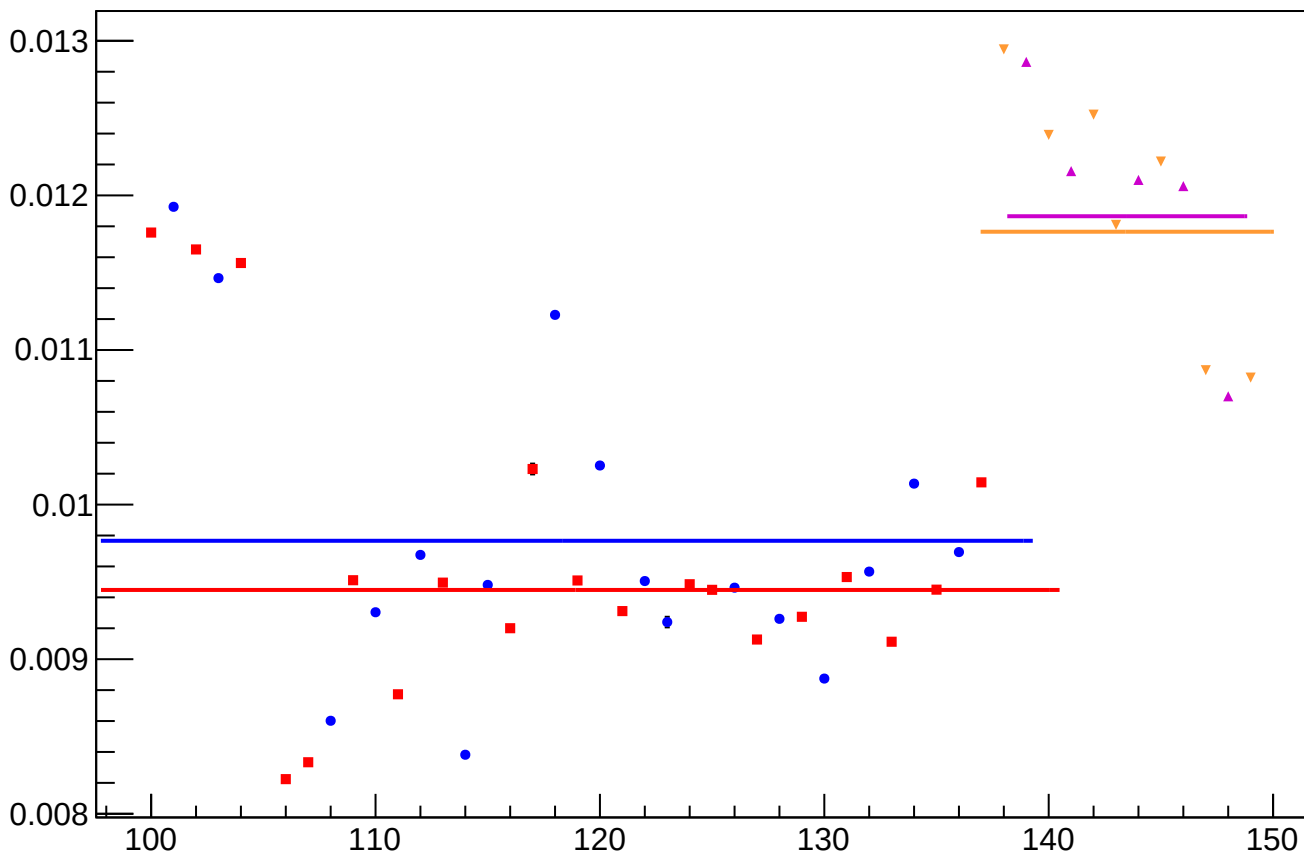
Right Out: 0.047+/-0.000 χ^2/NDF : 819626031.7/19

Left In: -0.015+/-0.000 χ^2/NDF : 1745010225.6/4

0.029+/-0.000 χ^2/NDF : 3561081676.4/23

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: 41958.2/6

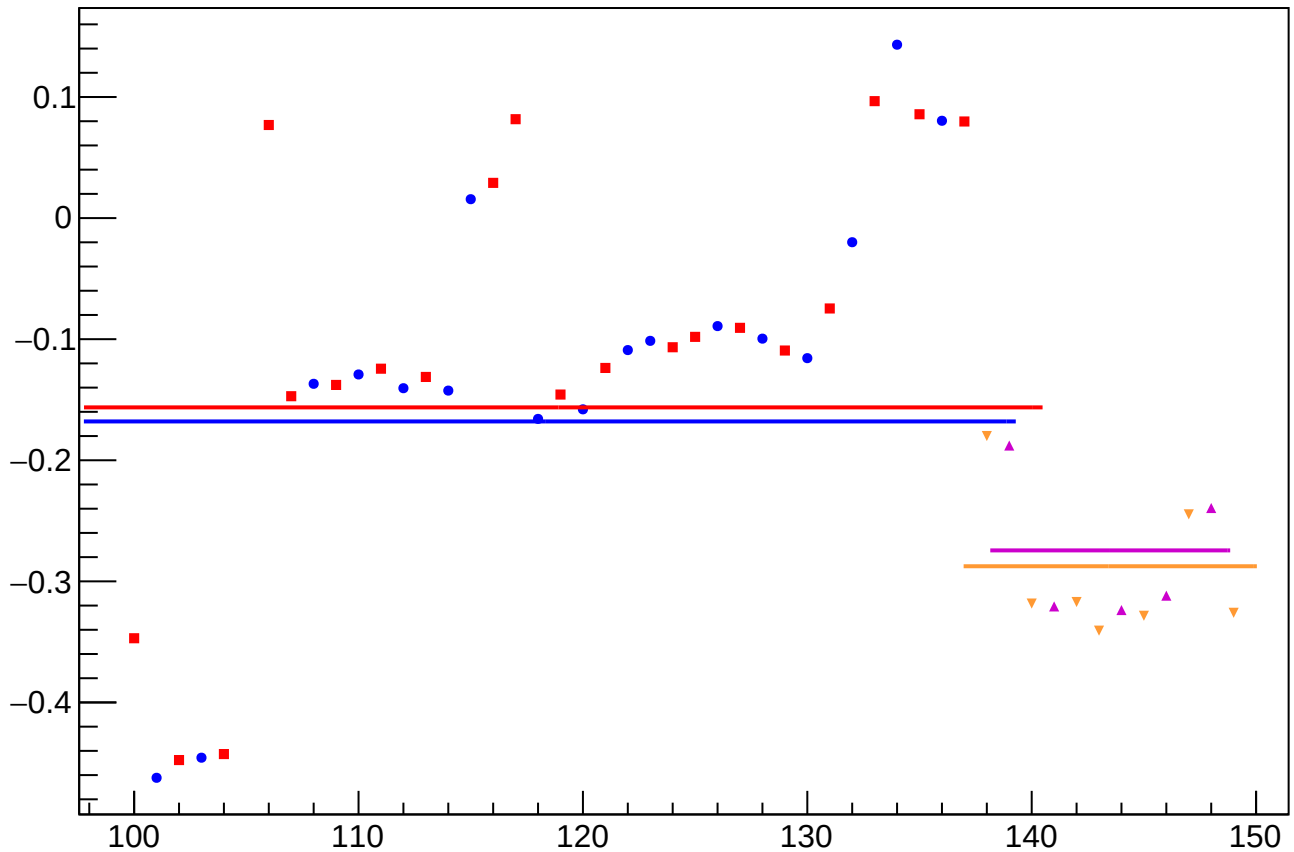
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 111197.0/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 28022.6/4

0.010 $\pm$ 0.000 χ^2 /NDF: 337783.7/23

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: -0.288 ± 0.000 χ^2/NDF : 1771705039.2/6

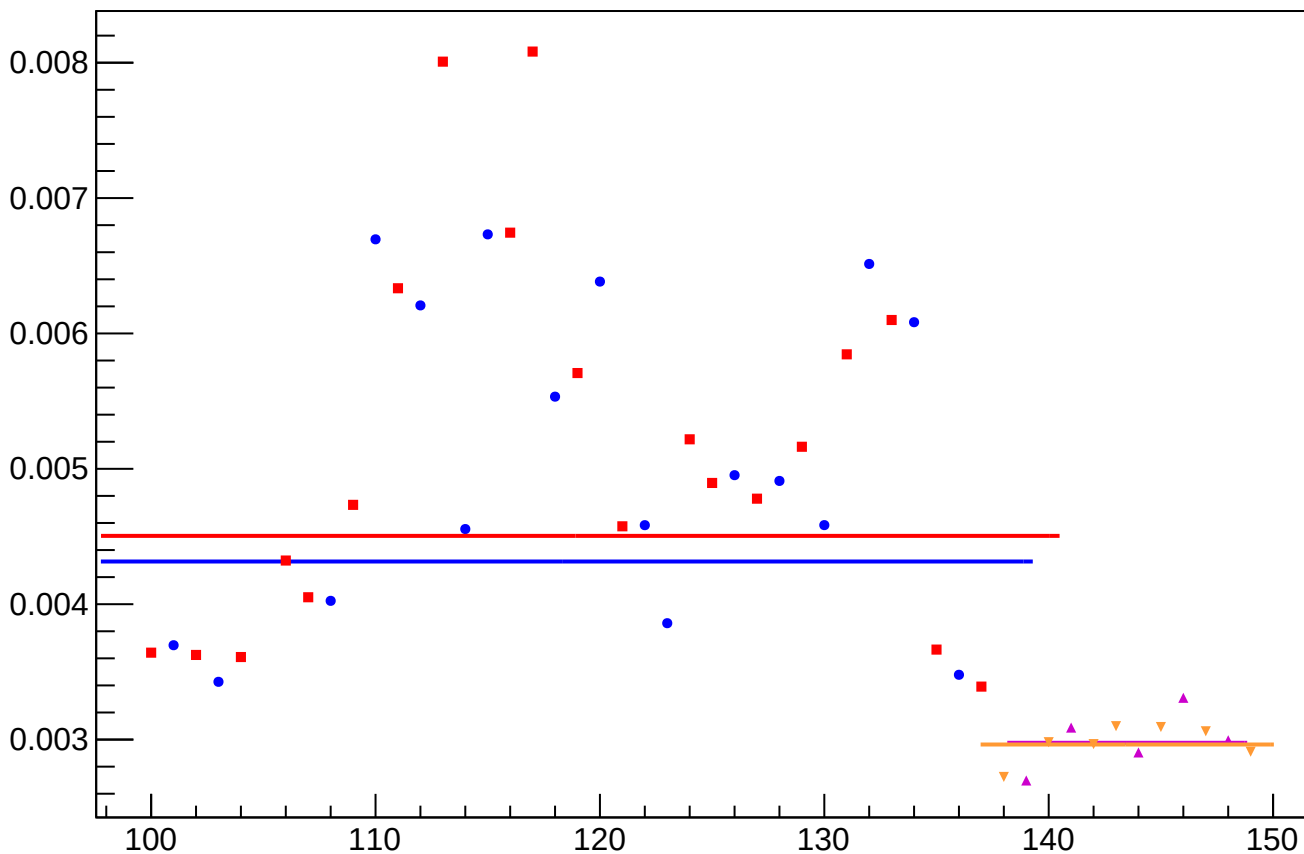
-0.243 ± 0.000 χ^2/NDF : 16896427475.0/23

Right Out: -0.156 ± 0.000 χ^2/NDF : 11061140252.3/19

-0.224 ± 0.000 χ^2/NDF : 14807668582.6/24

Left In: -0.274 ± 0.000 χ^2/NDF : 1278891571.5/4

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 :17527.7/6

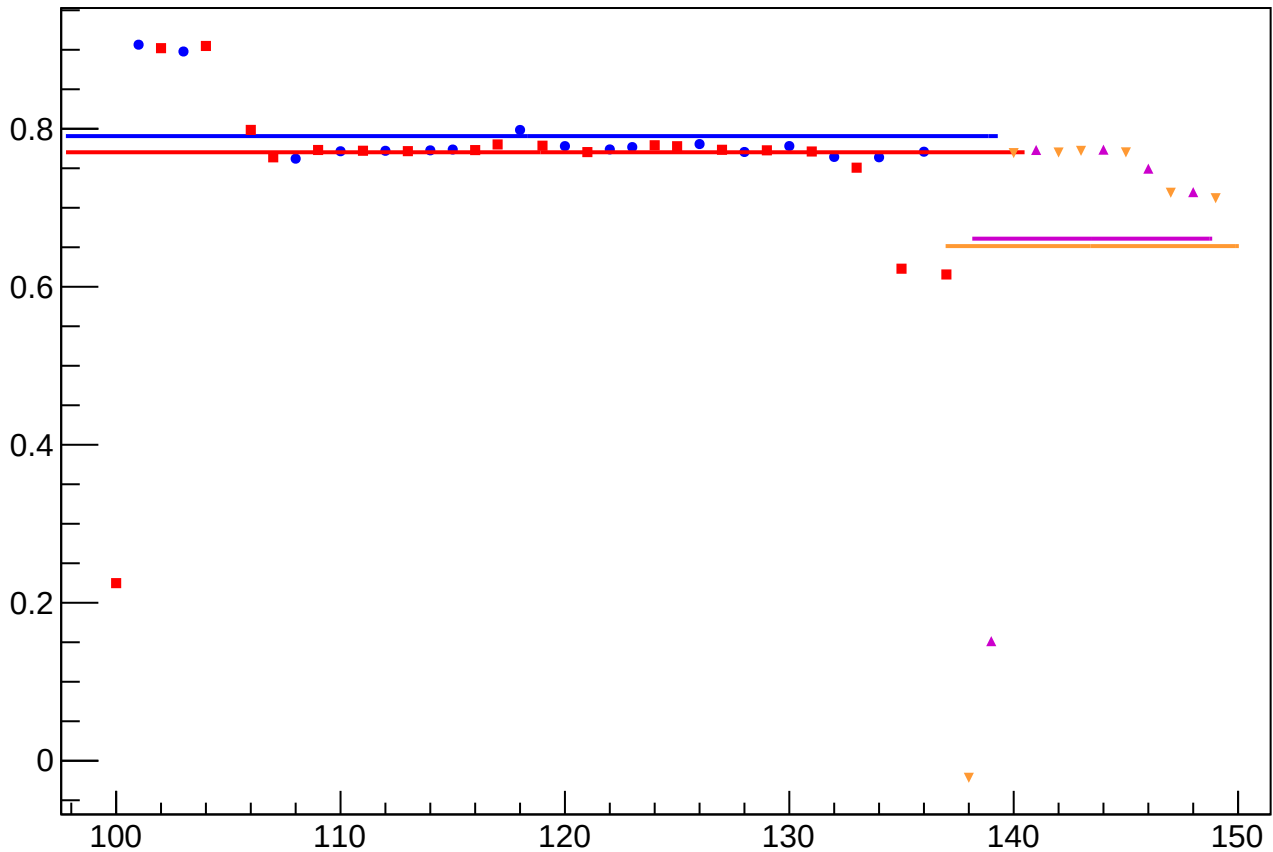
Right Out: 0.005+/-0.000 χ^2/NDF : 665152.6/19

Left In: 0.003+/-0.000 χ^2/NDF :31451.1/4

0.003+/-0.000 χ^2/NDF : 1350923.0/23

0.004+/-0.000 χ^2/NDF : 1523180.8/24

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106705767.1/16

Left Out: 0.651 $\pm$ 0.000 χ^2 /NDF: 2304025382.9/6

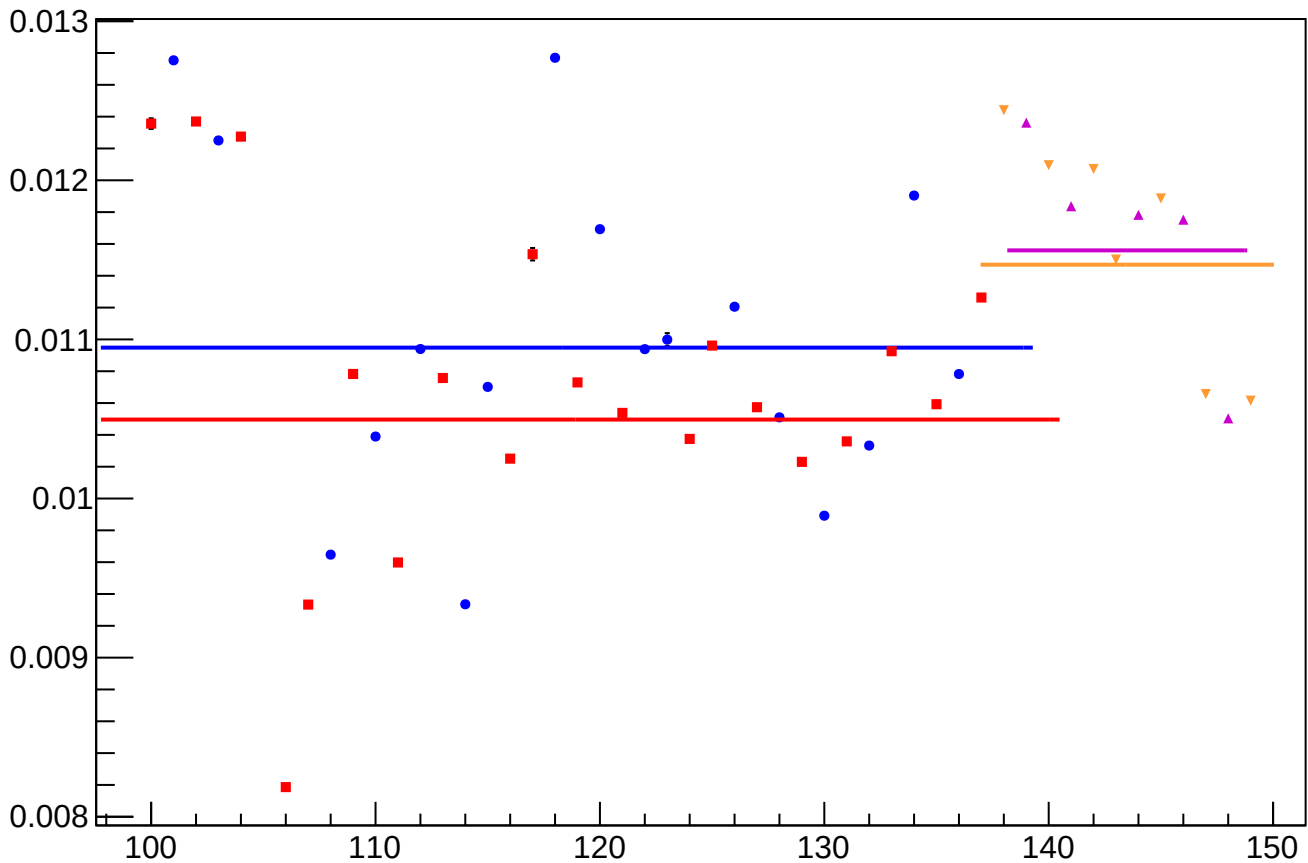
Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375473971.0/19

Left In: 0.661 $\pm$ 0.000 χ^2 /NDF: 1333422845.9/4

0.735 $\pm$ 0.000 χ^2 /NDF: 2826493916.8/23

0.736 $\pm$ 0.000 χ^2 /NDF: 1942744945.1/24

yield_bpm0l09X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 98551.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:34975.2/6

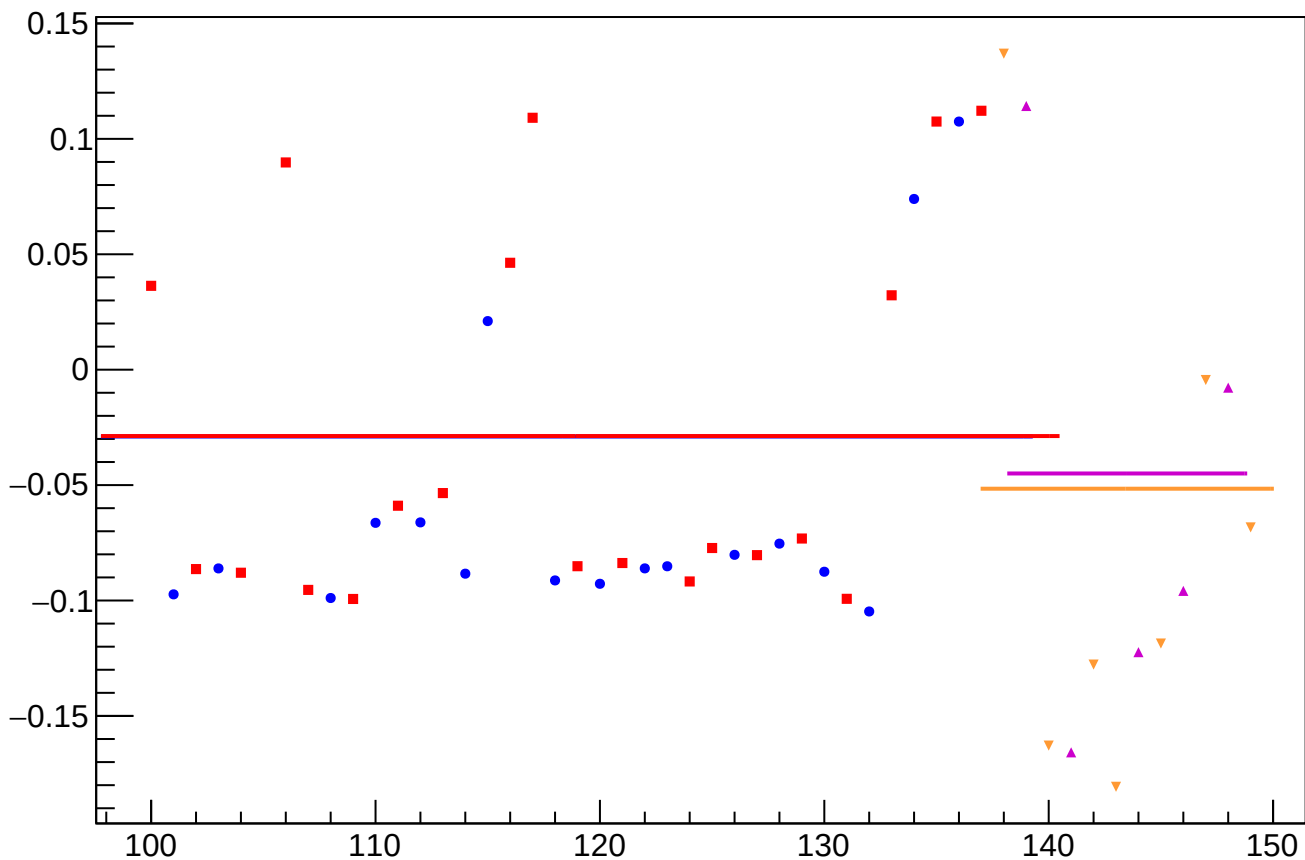
Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 120120.6/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:23080.4/4

0.011 $\pm$ 0.000 χ^2 /NDF: 145180.8/23

0.011 $\pm$ 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: -0.052+/-0.000 χ^2/NDF : 4742554655.8/6

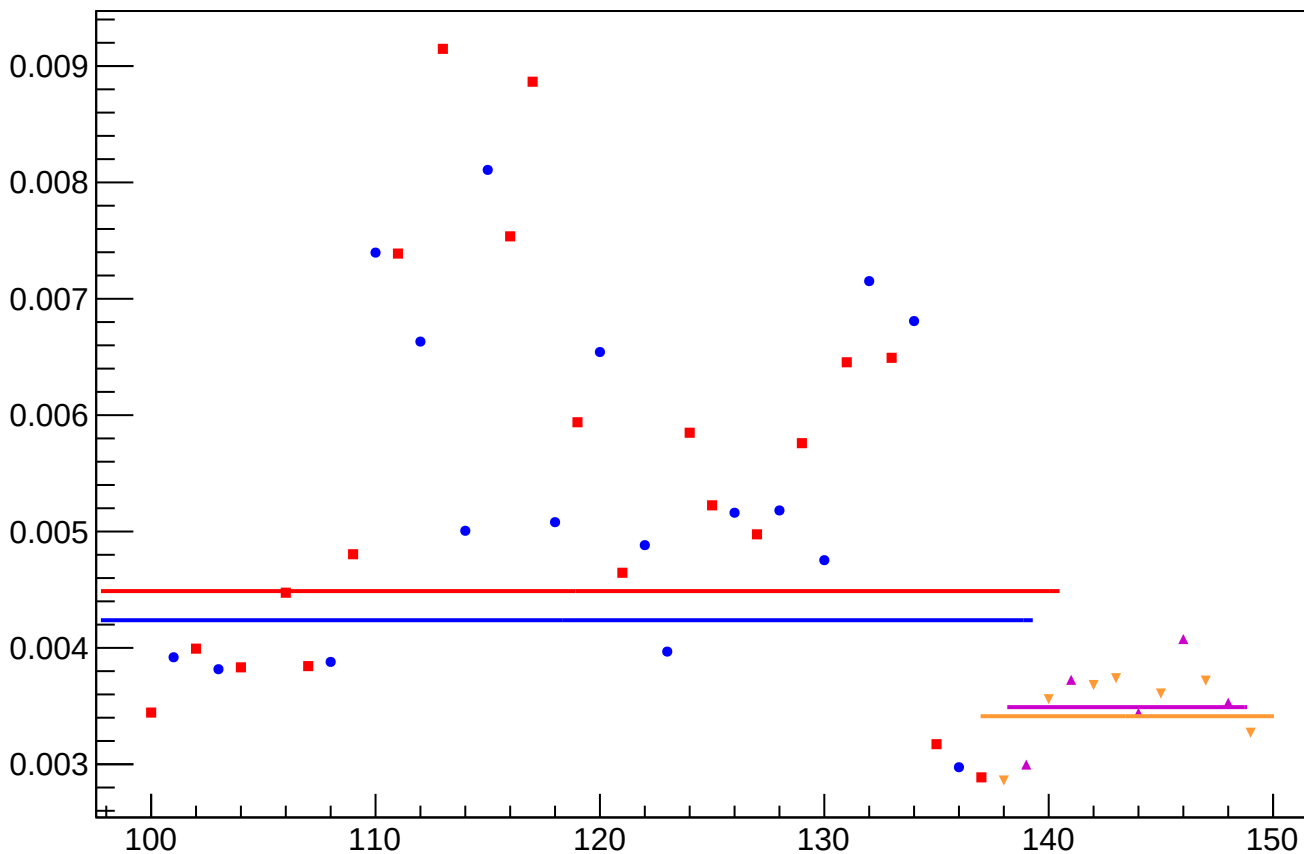
-0.041+/-0.000 χ^2/NDF : 7274840584.8/23

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 : 81421.4/6

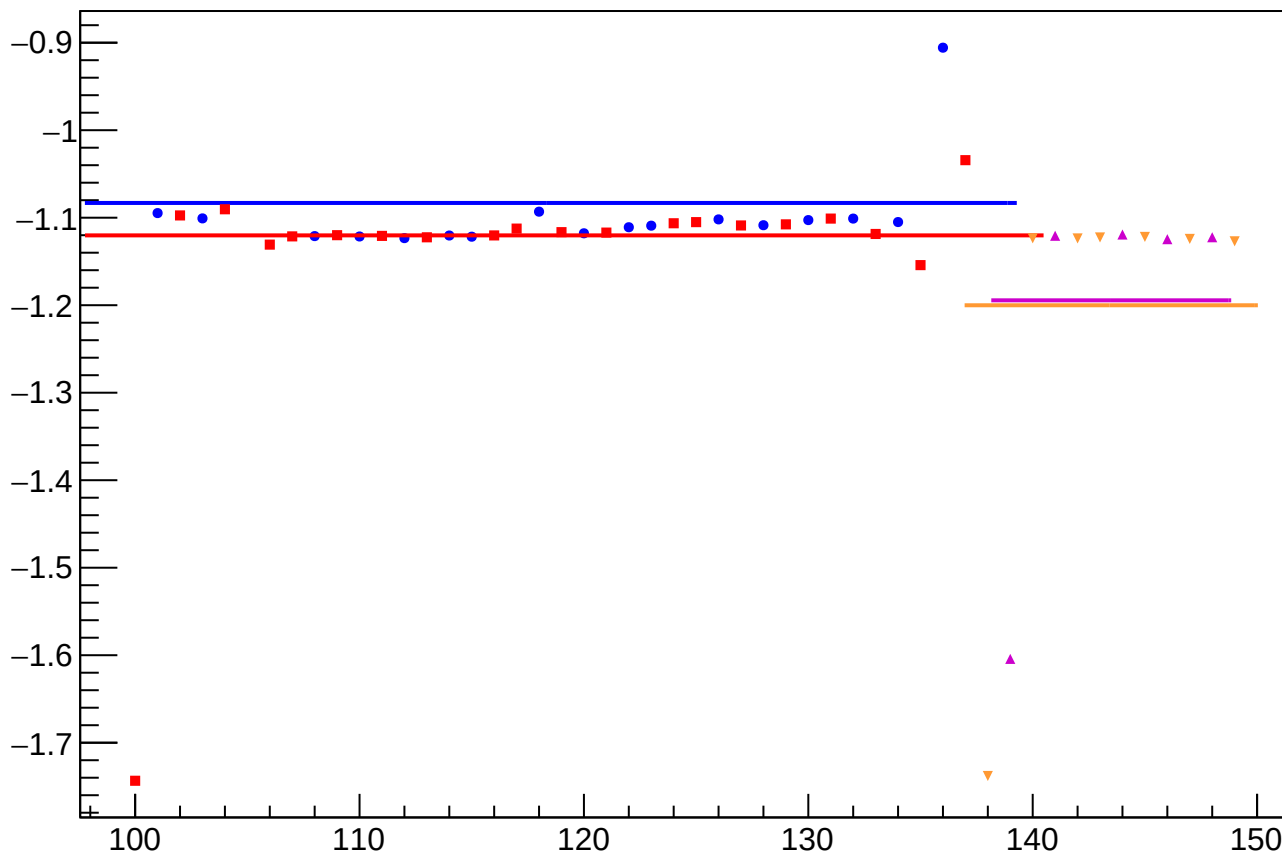
Right Out: 0.004+/-0.000 χ^2/NDF : 1003473.4/19

Left In: 0.003+/-0.000 χ^2/NDF : 68869.3/4

0.004+/-0.000 χ^2/NDF : 1192580.5/23

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: -1.200+/-0.000 χ^2/NDF : 1821003525.0/6

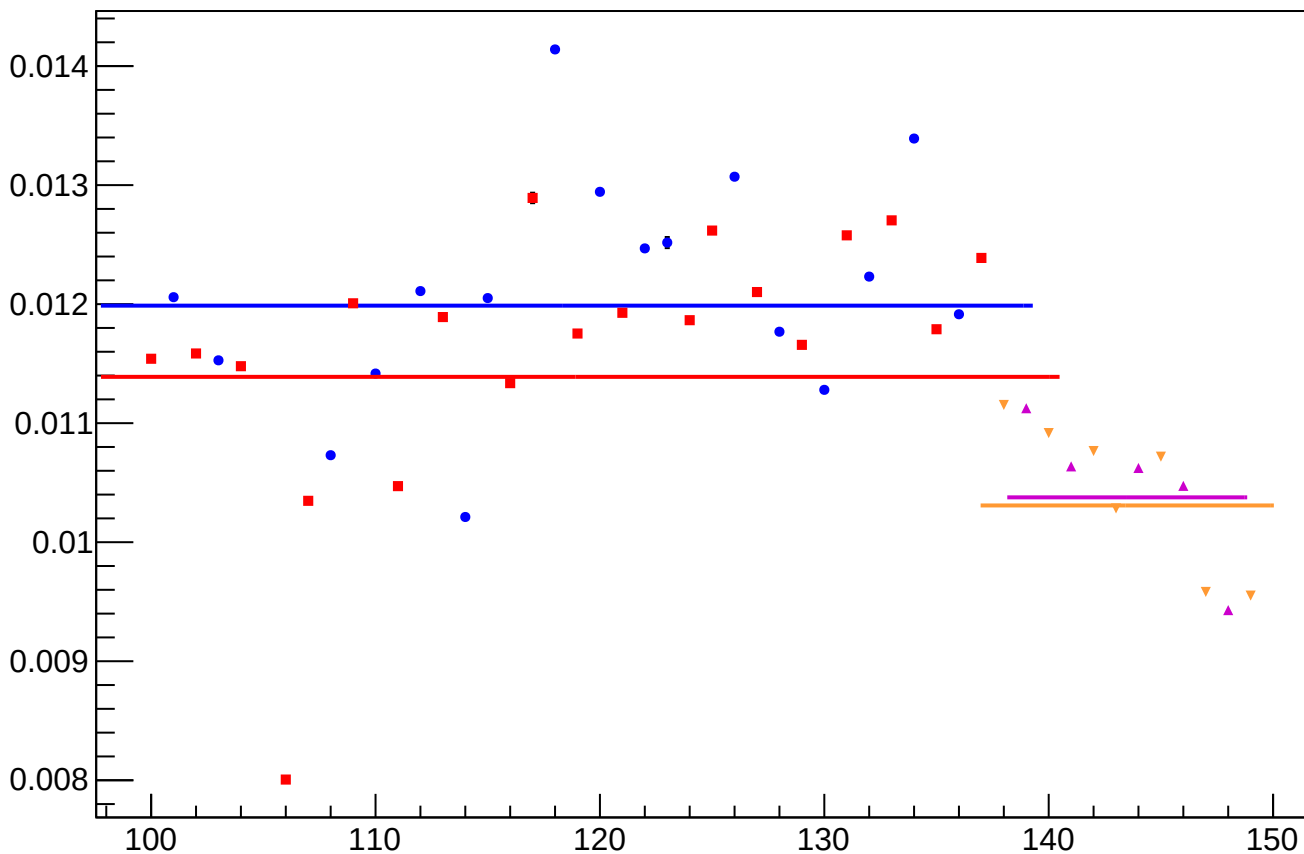
Right Out: -1.120+/-0.000 χ^2/NDF : 220586820.0/19

Left In: -1.194+/-0.000 χ^2/NDF : 1056994545.3/4

-1.141+/-0.000 χ^2/NDF : 2329240480.0/23

-1.150+/-0.000 χ^2/NDF : 1394714846.6/24

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 60402.0/16

Left Out: 0.010+/-0.000 χ^2/NDF : 34683.2/6

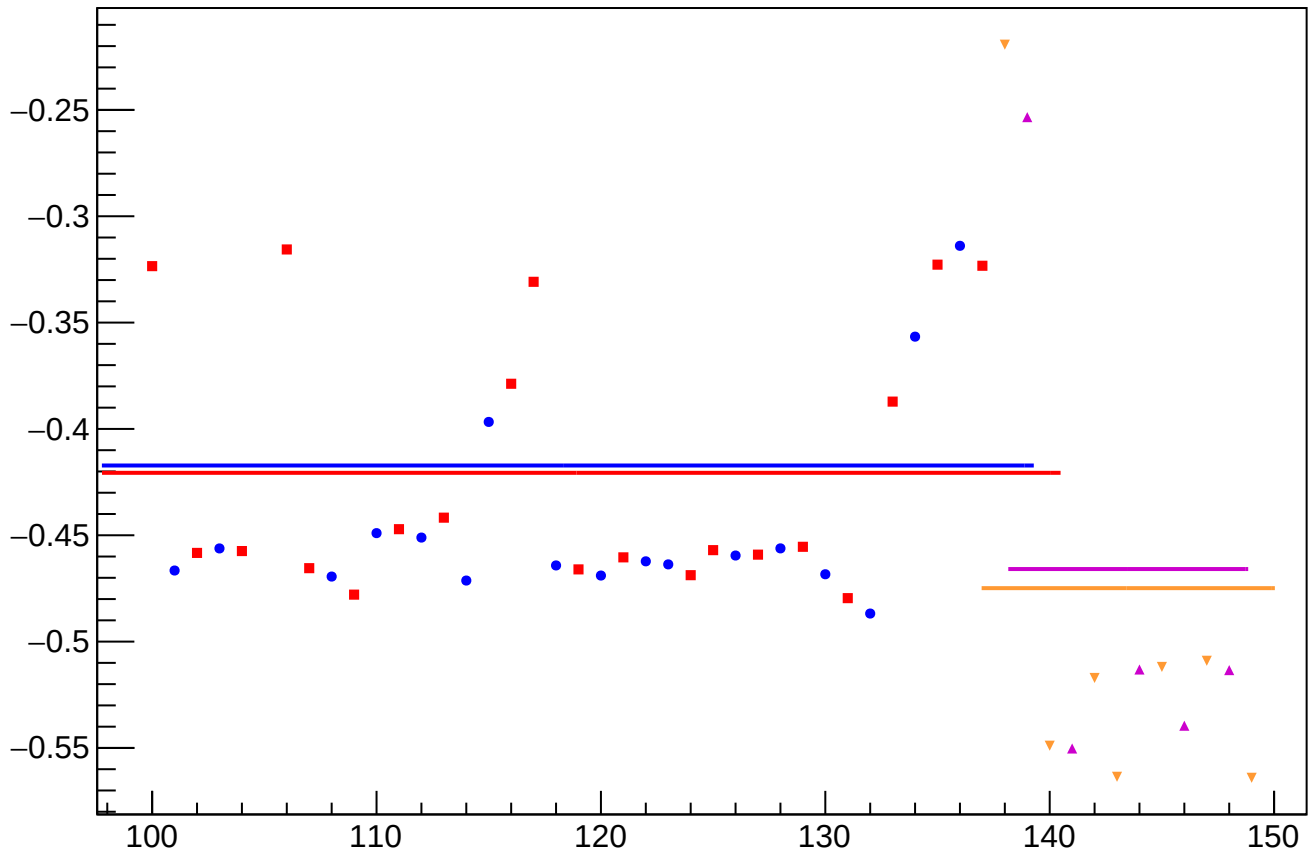
Right Out: 0.011+/-0.000 χ^2/NDF : 155700.3/19

Left In: 0.010+/-0.000 χ^2/NDF : 23762.7/4

0.011+/-0.000 χ^2/NDF : 220932.1/23

0.011+/-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: -0.475+/-0.000 χ^2/NDF : 5072090055.2/6

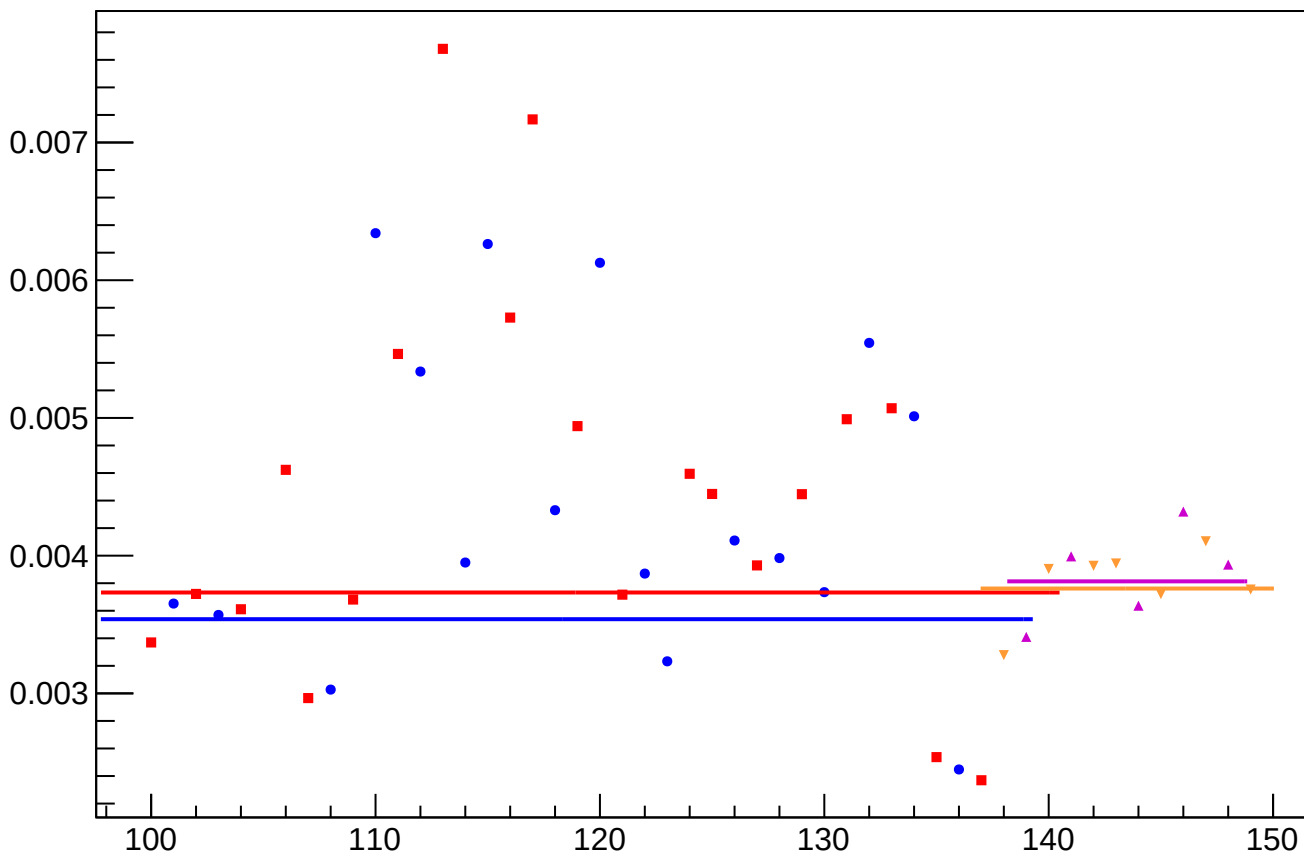
-0.441+/-0.000 χ^2/NDF : 7713516183.2/23

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 χ^2/NDF : 836154.0/16

Left Out: 0.004+/-0.000 χ^2/NDF :44256.6/6

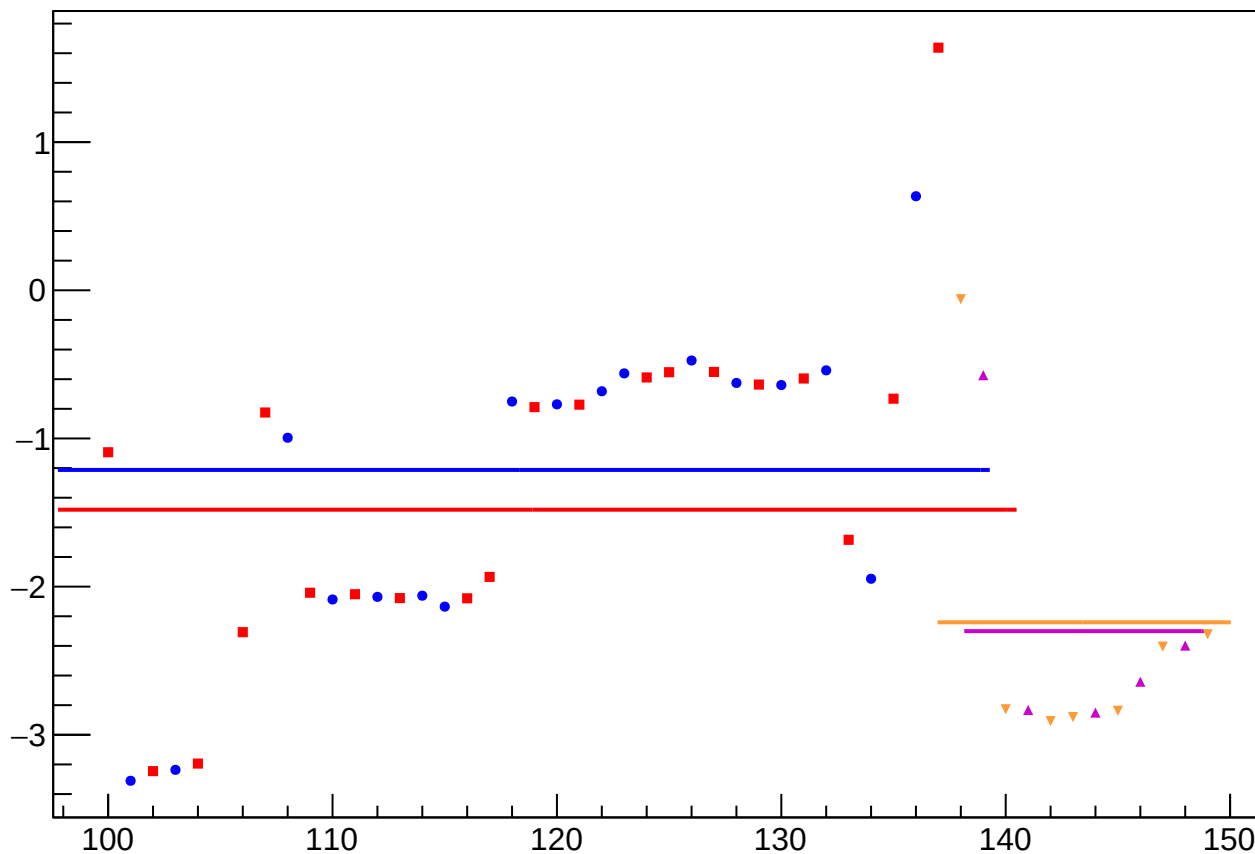
Right Out: 0.004+/-0.000 χ^2/NDF : 916963.6/19

Left In: 0.004+/-0.000 χ^2/NDF :44099.8/4

0.004+/-0.000 χ^2/NDF : 898371.7/23

0.004+/-0.000 χ^2/NDF : 963078.1/24

yield_bpm0r03X_mean vs Slug



Right In: -1.212+/-0.000 χ^2/NDF : 1992853443.9/16

Left Out: -2.241+/-0.000 χ^2/NDF : 849778816.9/6

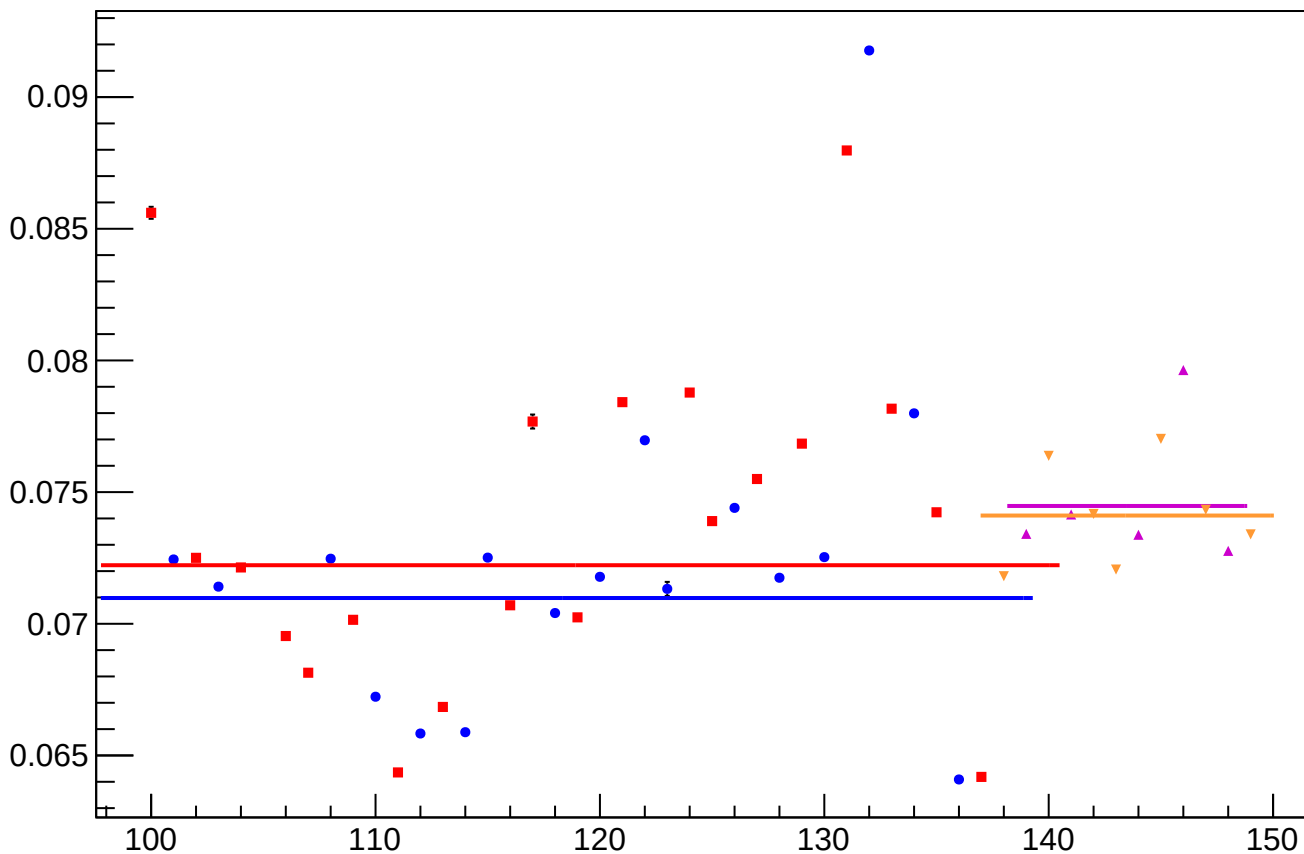
Right Out: -1.481+/-0.000 χ^2/NDF : 1579722113.8/19

Left In: -2.300+/-0.000 χ^2/NDF : 478731200.7/4

-1.625+/-0.000 χ^2/NDF : 3396196453.3/23

-1.760+/-0.000 χ^2/NDF : 2365203498.2/24

yield_bpm0r03X_rms vs Slug



Right In: 0.071 ± 0.000 $\chi^2/\text{NDF}: 77589.5/16$

Left Out: 0.074 ± 0.000 $\chi^2/\text{NDF}: 6077.4/6$

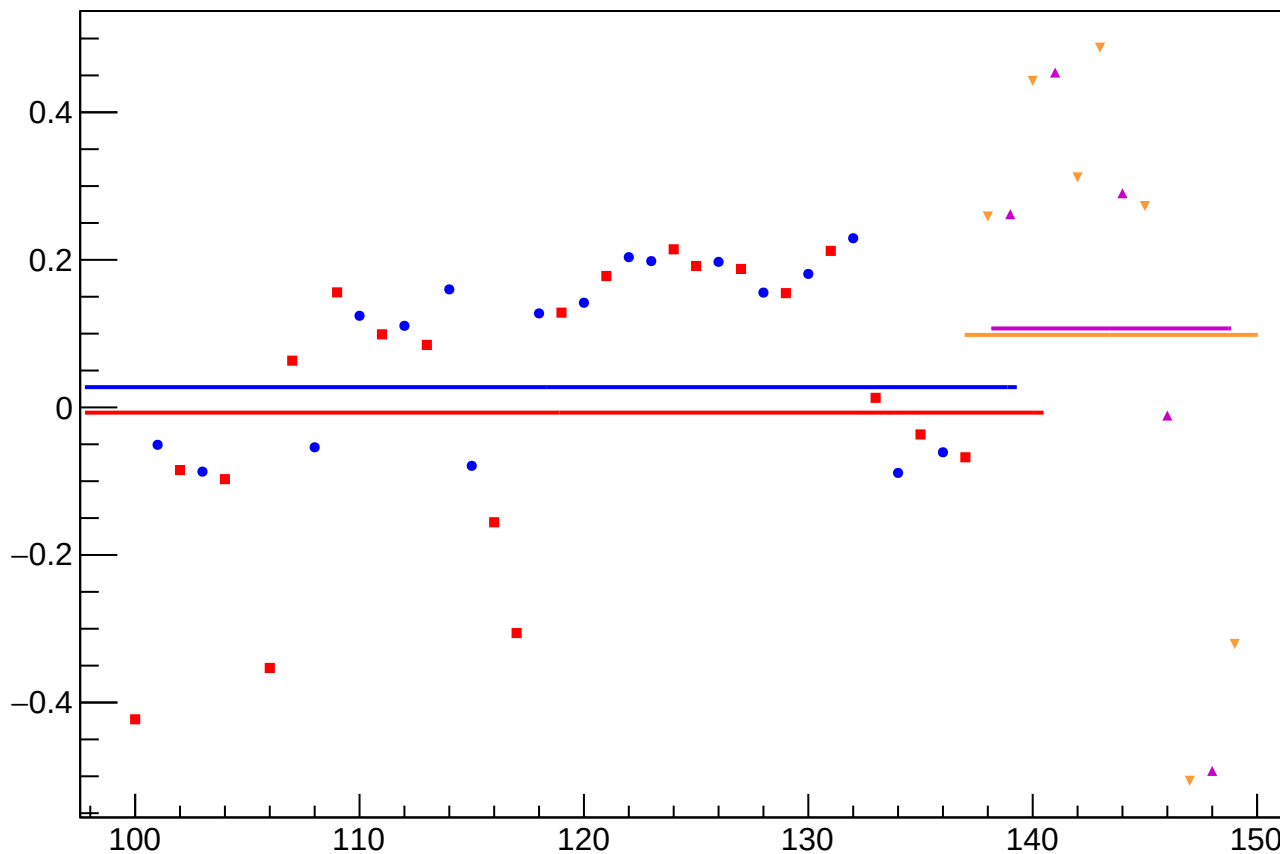
Right Out: 0.072 ± 0.000 $\chi^2/\text{NDF}: 73650.9/19$

Left In: 0.074 ± 0.000 $\chi^2/\text{NDF}: 7759.8/4$

0.072 ± 0.000 $\chi^2/\text{NDF}: 93935.2/23$

0.073 ± 0.000 $\chi^2/\text{NDF}: 86034.4/24$

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562337631.4/16

Left Out: 0.098+/-0.000 χ^2/NDF : 8272414742.6/6

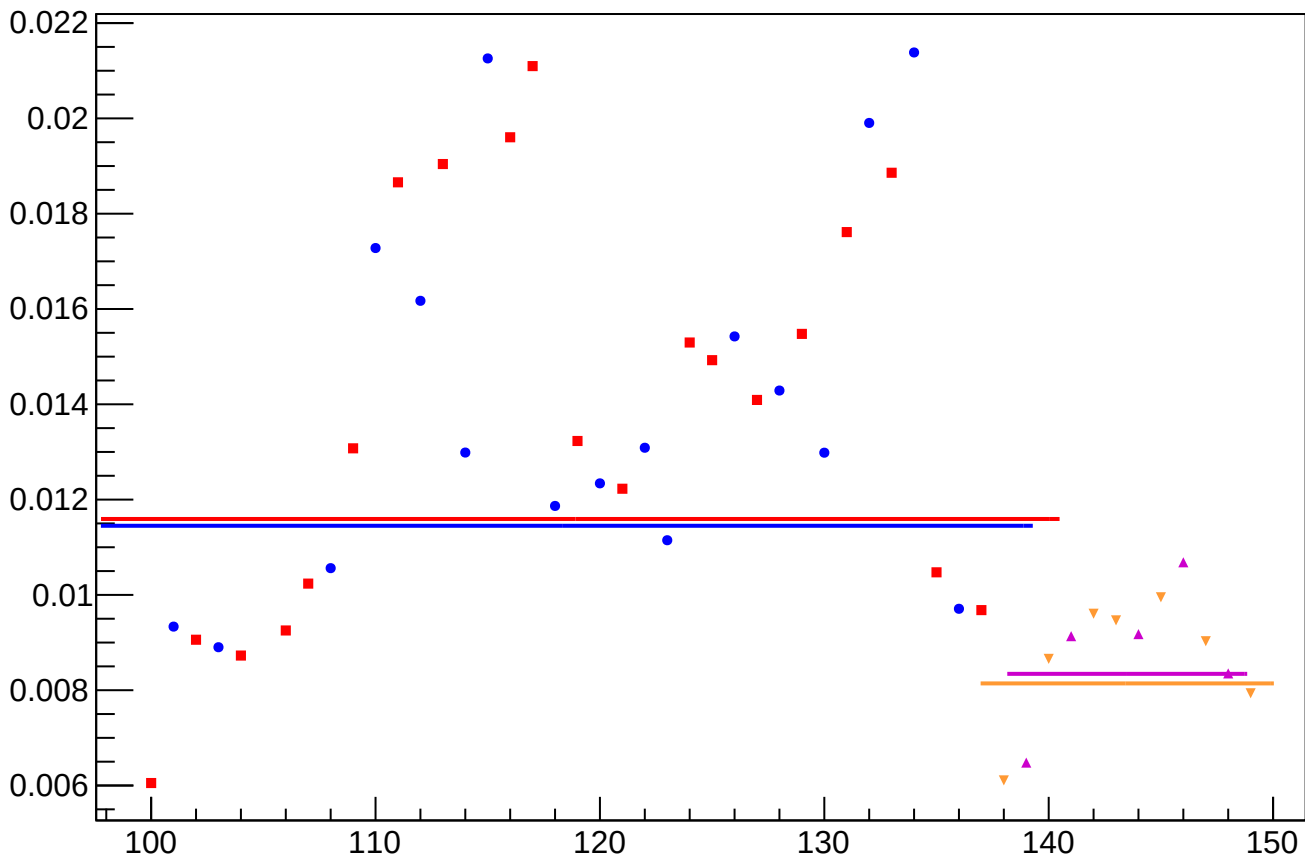
Right Out: -0.007+/-0.000 χ^2/NDF : 1207003891.2/19

Left In: 0.107+/-0.000 χ^2/NDF : 5700915300.7/4

0.070+/-0.000 χ^2/NDF : 8966381962.6/23

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 : 254053.0/6

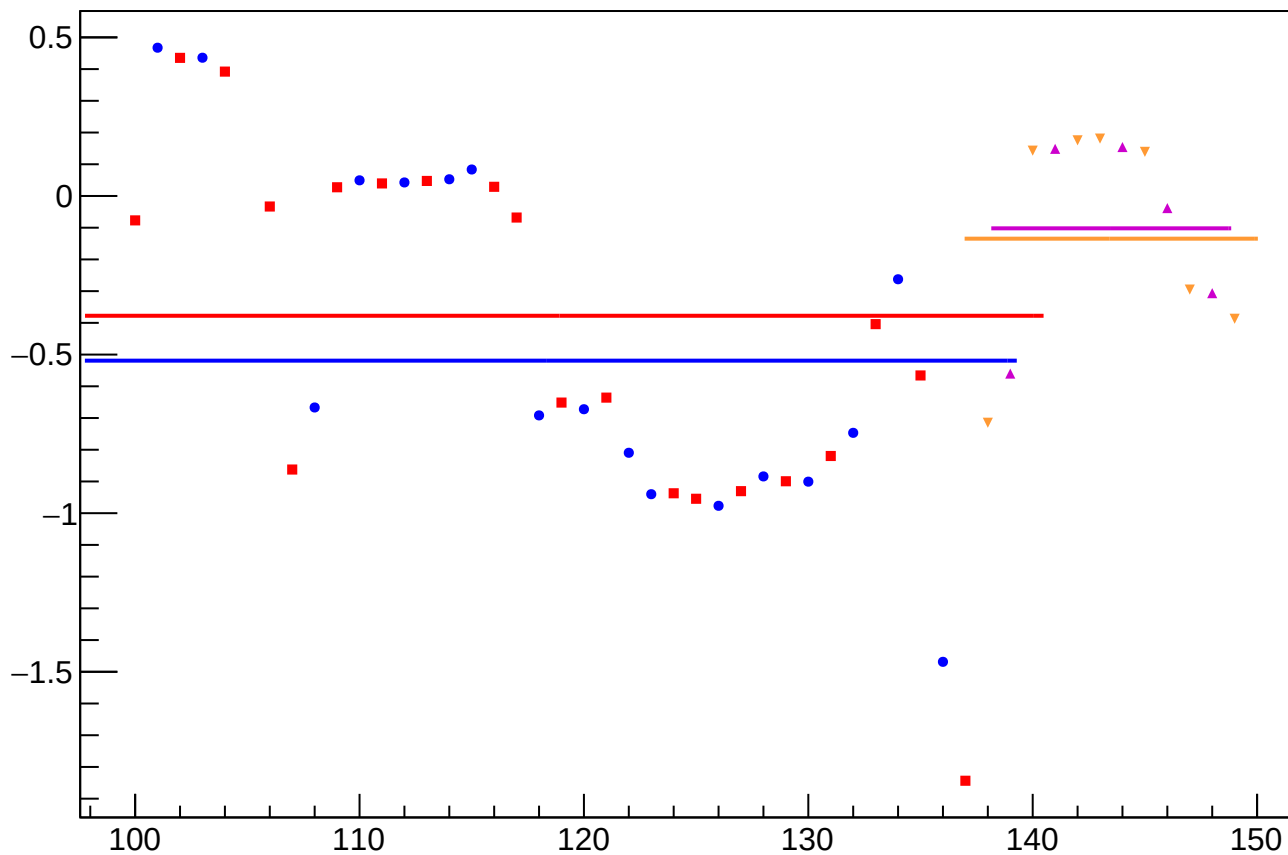
Right Out: 0.012+/-0.000 χ^2/NDF : 1012799.2/19

Left In: 0.008+/-0.000 χ^2/NDF : 193487.0/4

0.009+/-0.000 χ^2/NDF : 1507743.2/23

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: -0.135+/-0.000 χ^2/NDF : 75020991.1/6

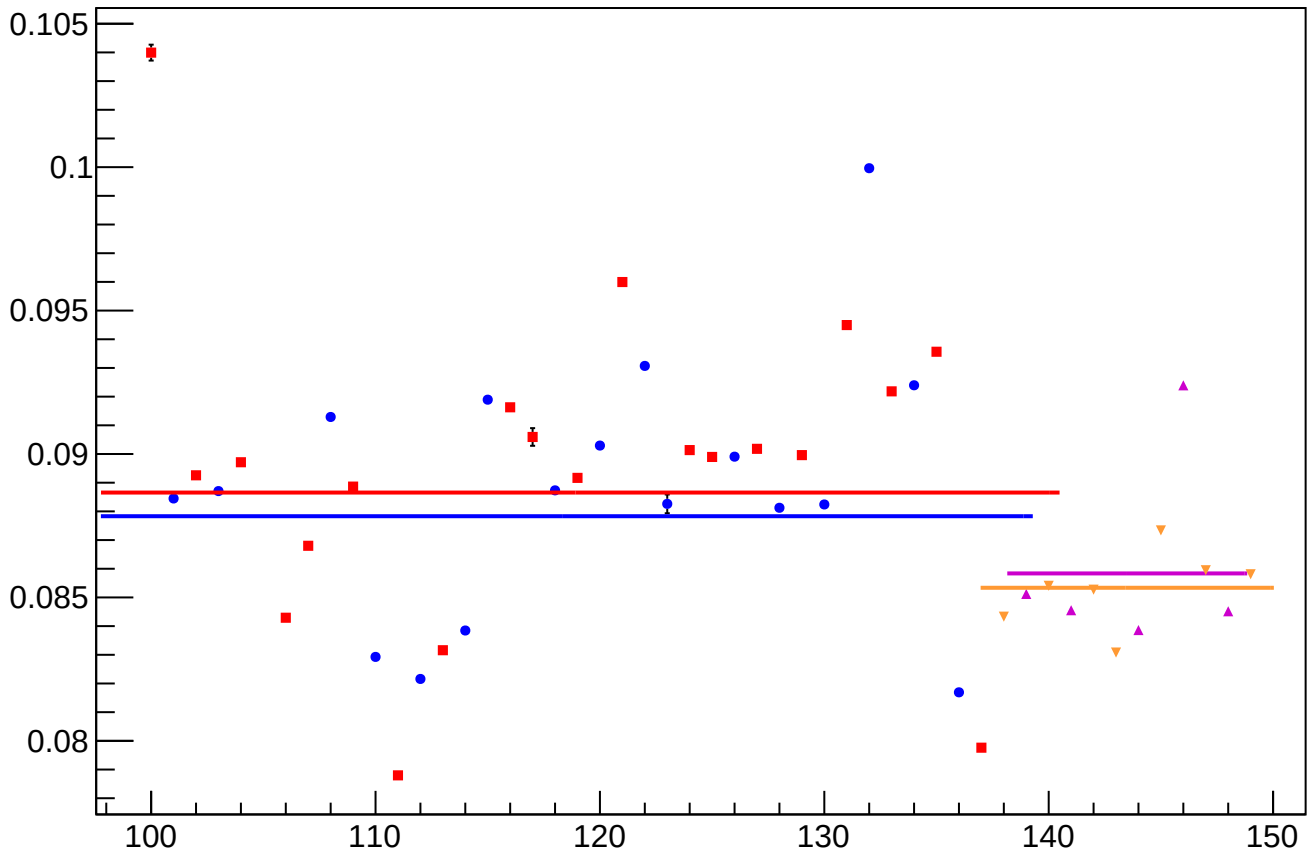
Right Out: -0.378+/-0.000 χ^2/NDF : 269130827.6/19

Left In: -0.102+/-0.000 χ^2/NDF : 39996761.8/4

-0.351+/-0.000 χ^2/NDF : 470568547.0/23

-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 $\chi^2/\text{NDF}: 2089.4/6$

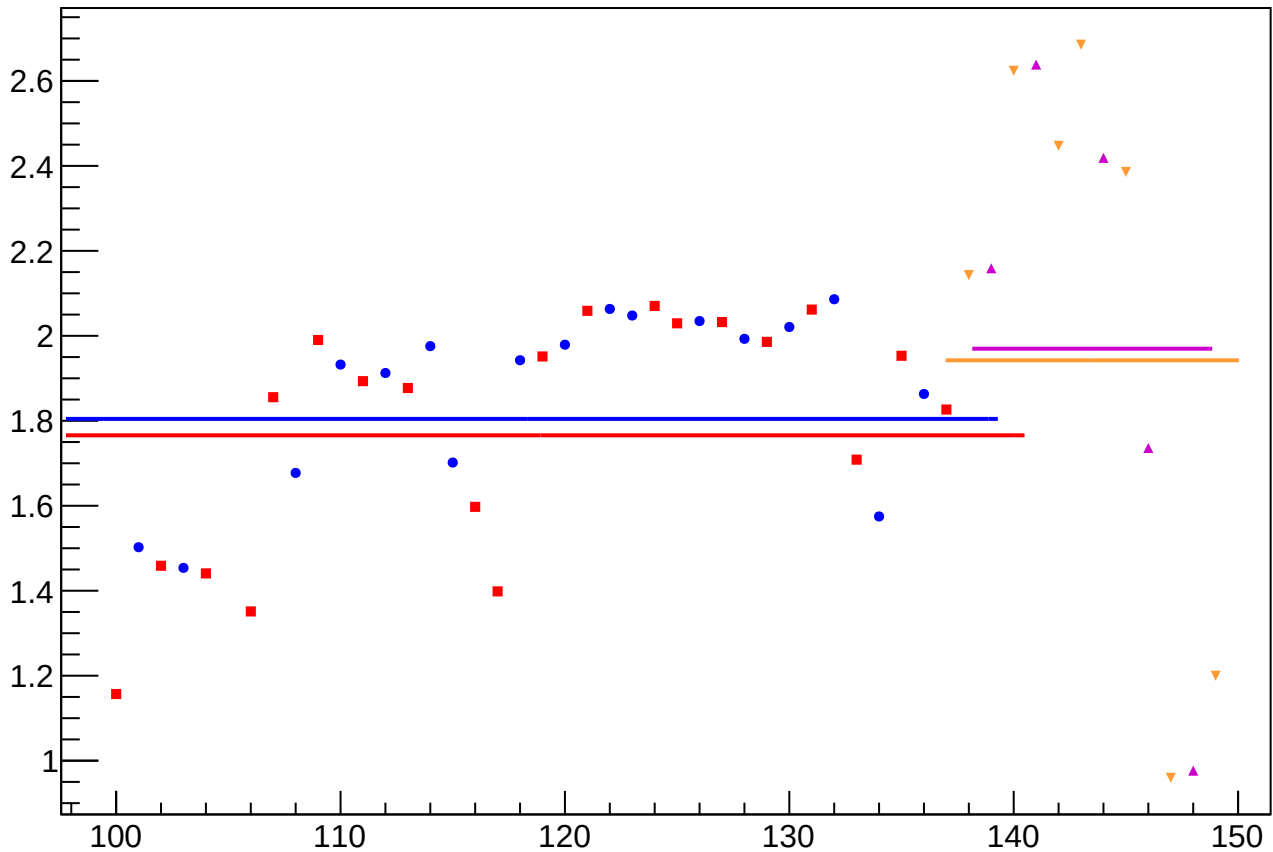
Right Out: 0.089 ± 0.000 $\chi^2/\text{NDF}: 39762.8/19$

Left In: 0.086 ± 0.000 $\chi^2/\text{NDF}: 9731.3/4$

0.087 ± 0.000 $\chi^2/\text{NDF}: 41770.4/23$

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: 1.942 ± 0.000 χ^2/NDF : 15152921120.9/6

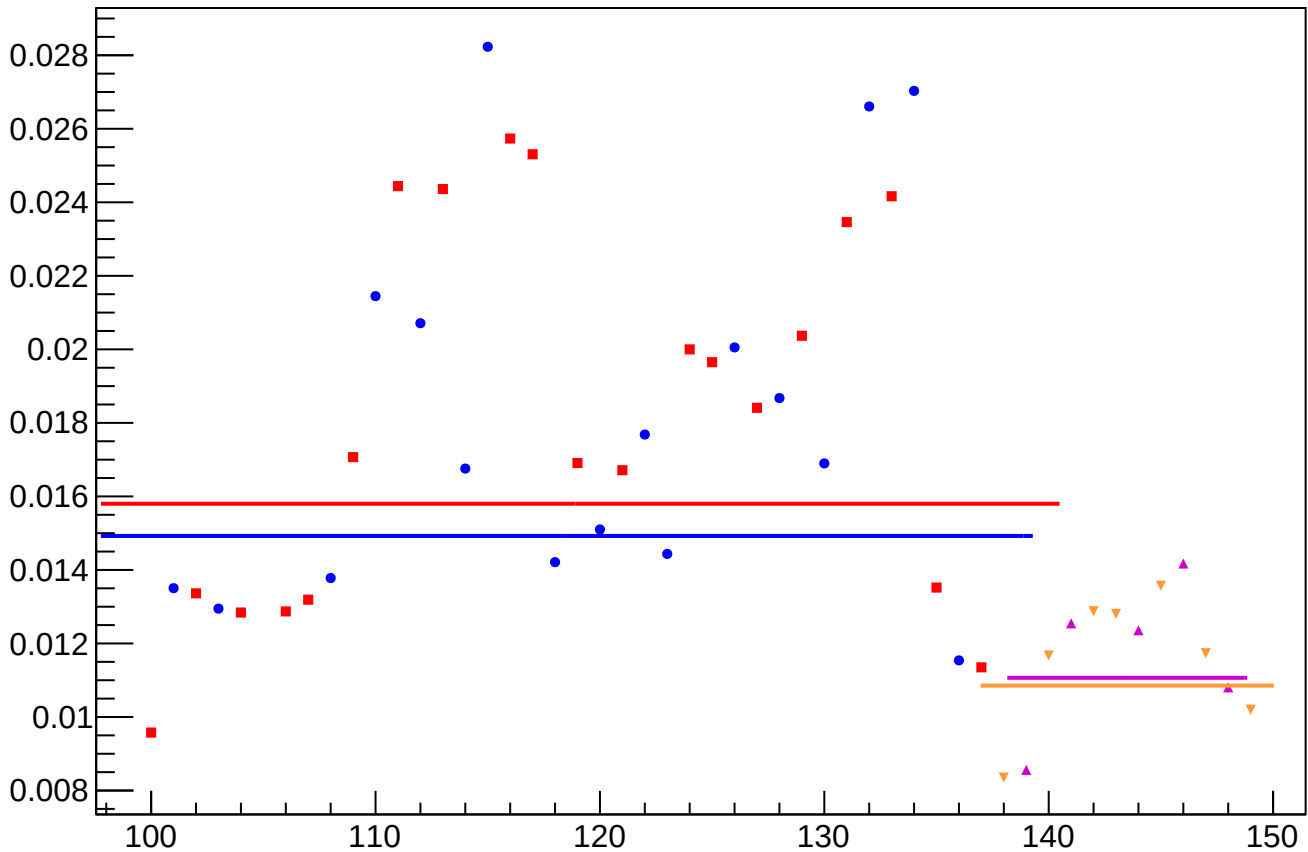
Right Out: 1.766 ± 0.000 χ^2/NDF : 1717275187.7/19

Left In: 1.970 ± 0.000 χ^2/NDF : 9979883208.1/4

1.886 ± 0.000 χ^2/NDF : 16599560736.0/23

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 :248013.5/6

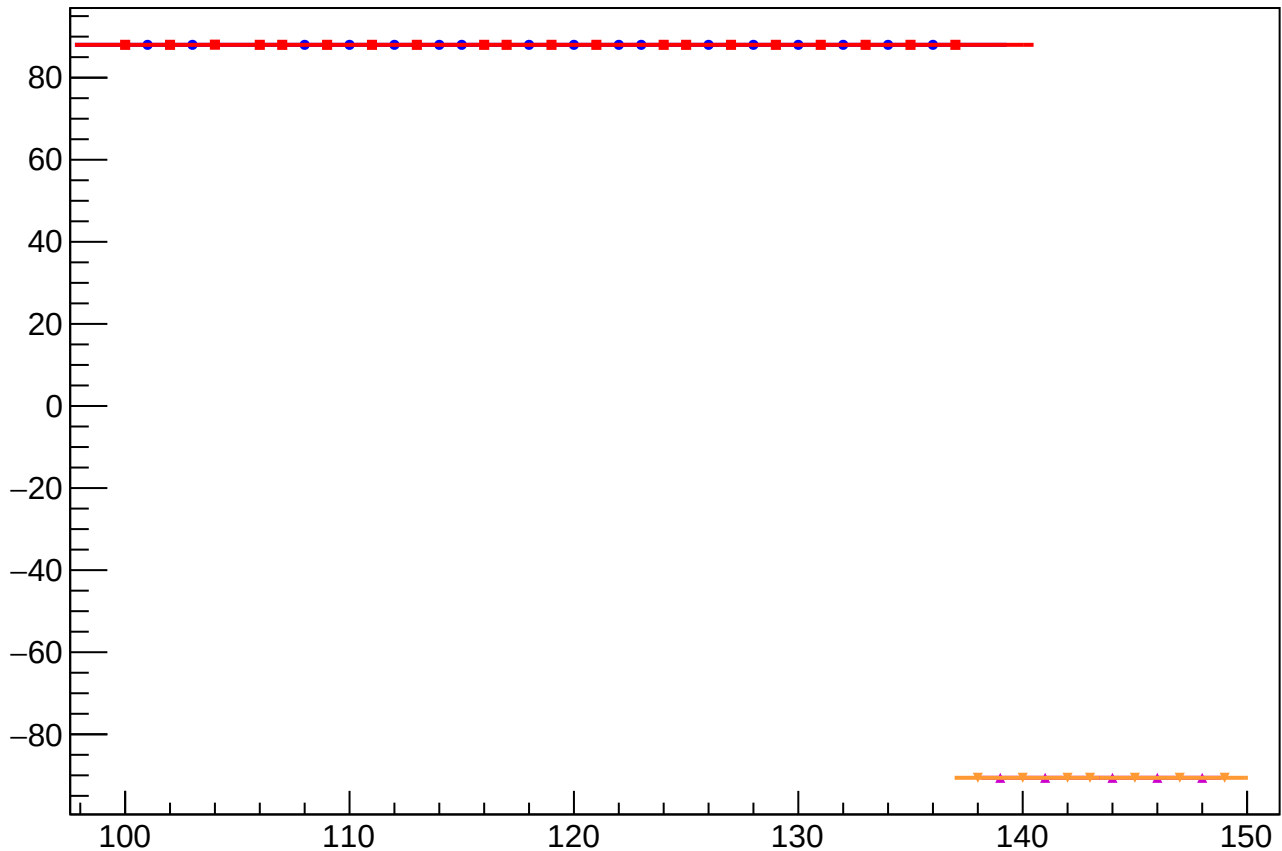
Right Out: 0.016+/-0.000 χ^2/NDF : 796839.8/19

Left In: 0.011+/-0.000 χ^2/NDF :214096.4/4

0.013+/-0.000 χ^2/NDF : 1397116.5/23

0.013+/-0.000 χ^2/NDF : 1598476.1/24

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 1852068.7/16

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 3052046.0/6

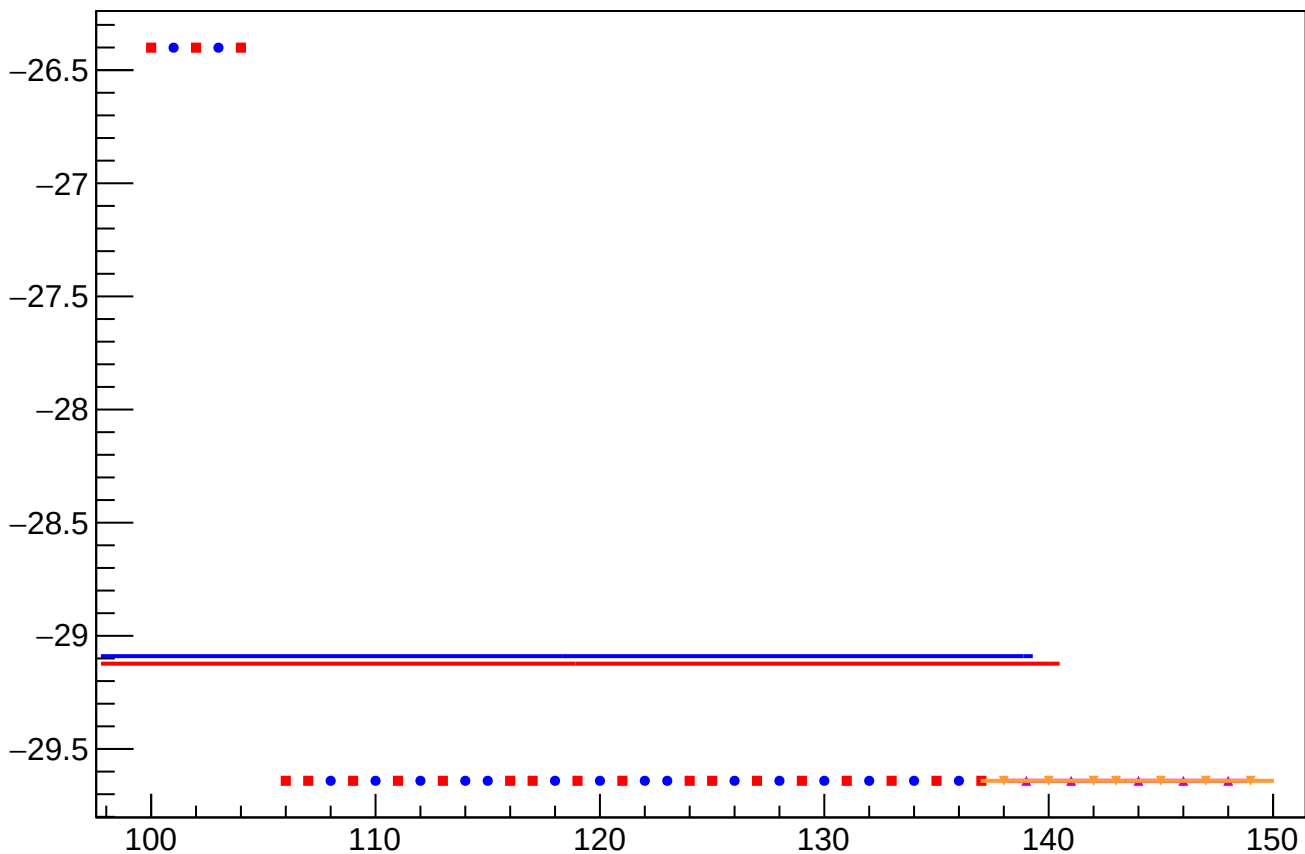
Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77578366411928007427611426816.0/19

Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 799513.7/4

11.837 $\pm$ 0.000 χ^2 /NDF: 944031989077685000

23.543 $\pm$ 0.000 χ^2 /NDF: 835831776016423940

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 : 156535.2/6

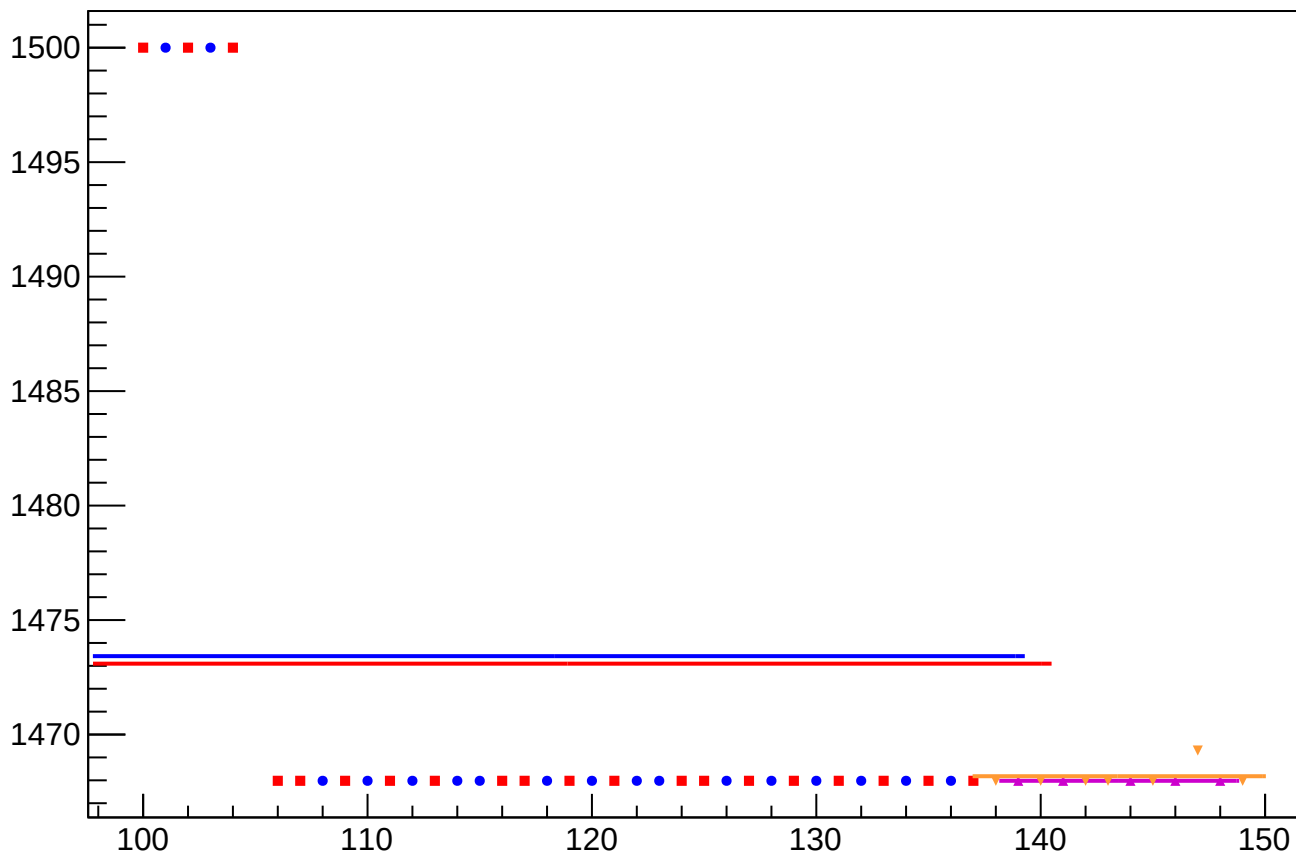
Right Out: -29.123+/-0.000 χ^2/NDF : 1023154512396702254583444720844800.0/19

Left In: -29.641+/-0.000 χ^2/NDF : 28777.6/4

-29.325+/-0.000 χ^2/NDF : 11179163186776832

-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: 1468.179+/-0.000 χ^2/NDF : 115751024858577901145132124602368.0/6

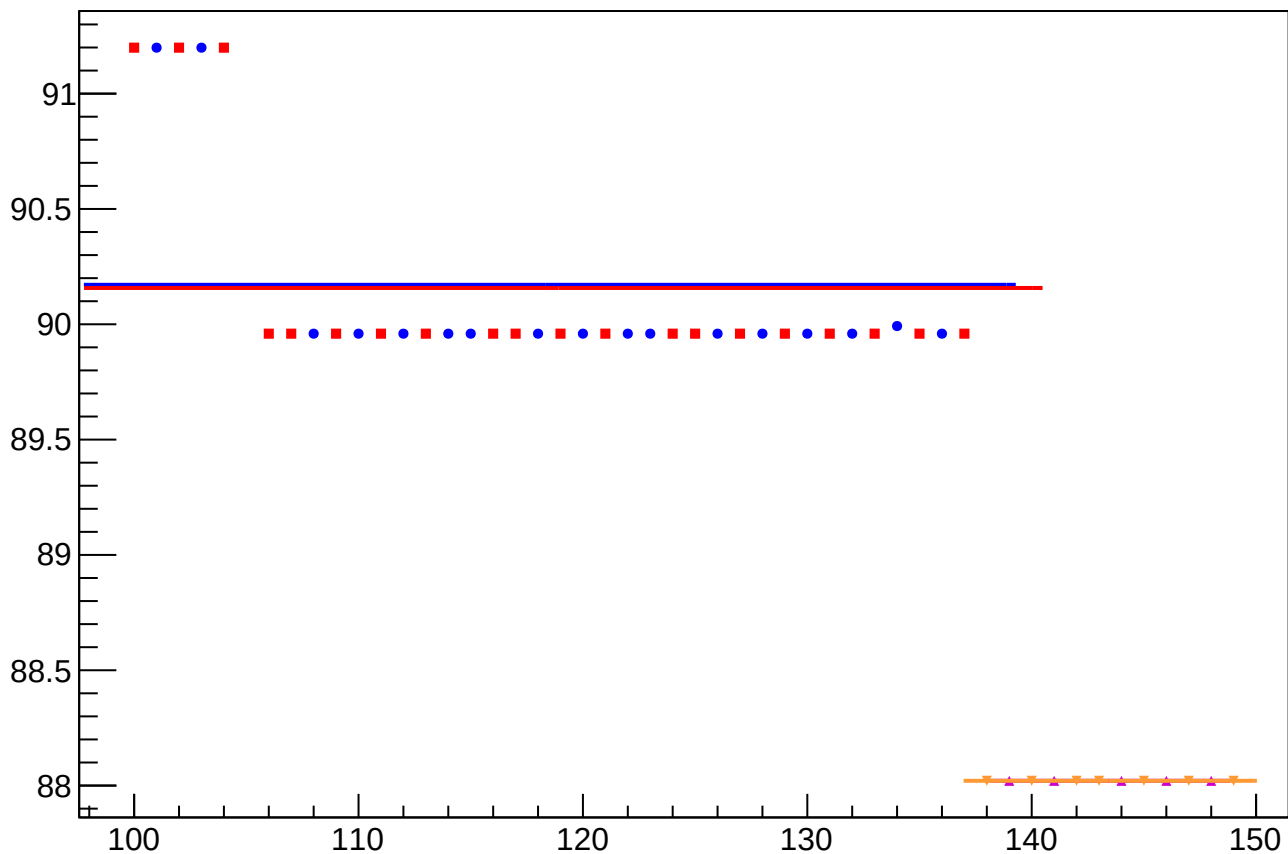
Right Out: 1473.096+/-0.000 χ^2/NDF : 99938310777099611815298348687032320.0/19

Left In: 1467.979+/-0.000 χ^2/NDF : 40790344.0/4

1471.187+/-0.000 χ^2/NDF : 1086777841890417

1471.249+/-0.000 χ^2/NDF : 1067973878674977

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 : 2716003.9/6

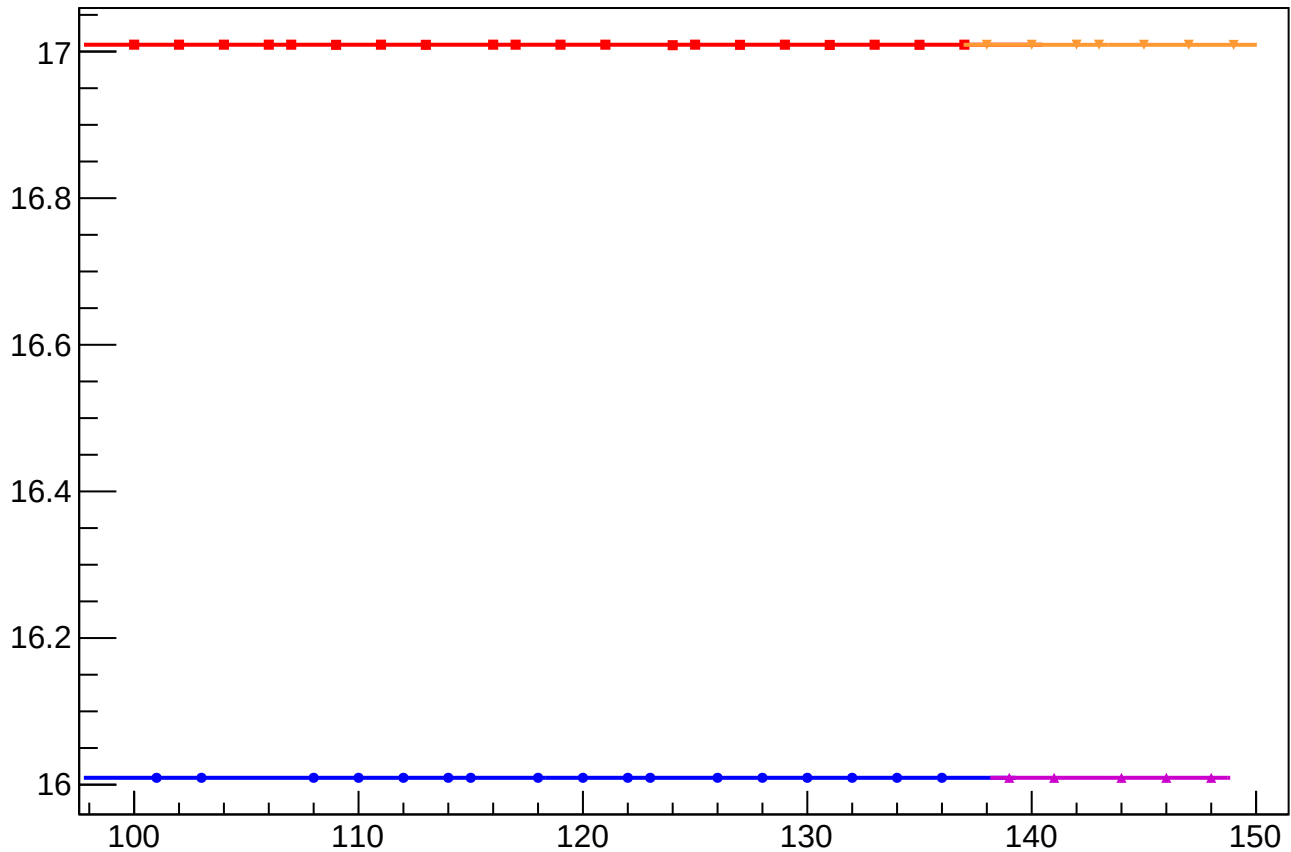
Right Out: 90.157+/-0.000 χ^2/NDF : 149863052341628336344772108091392.0/19

Left In: 88.021+/-0.000 χ^2/NDF : 855857.3/4

89.254+/-0.000 χ^2/NDF : 151890964477197450

89.386+/-0.000 χ^2/NDF : 134615607021077500

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 44327.7/16

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 4403417464622641215176704.0/6

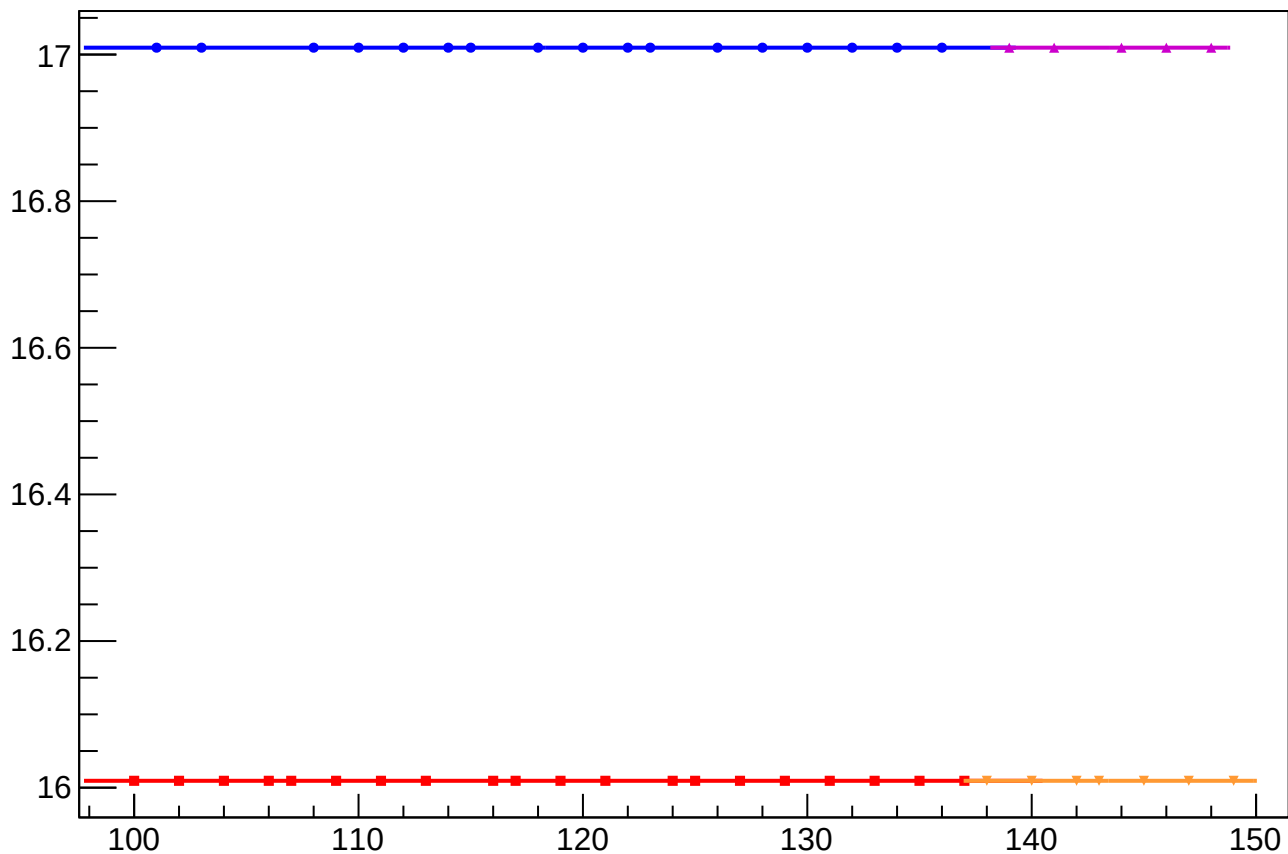
Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 12548783366686740957888512.0/19

Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 19803.6/4

16.425 $\pm$ 0.000 χ^2 /NDF: 275105418594596042

16.637 $\pm$ 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 : 17266.6/6

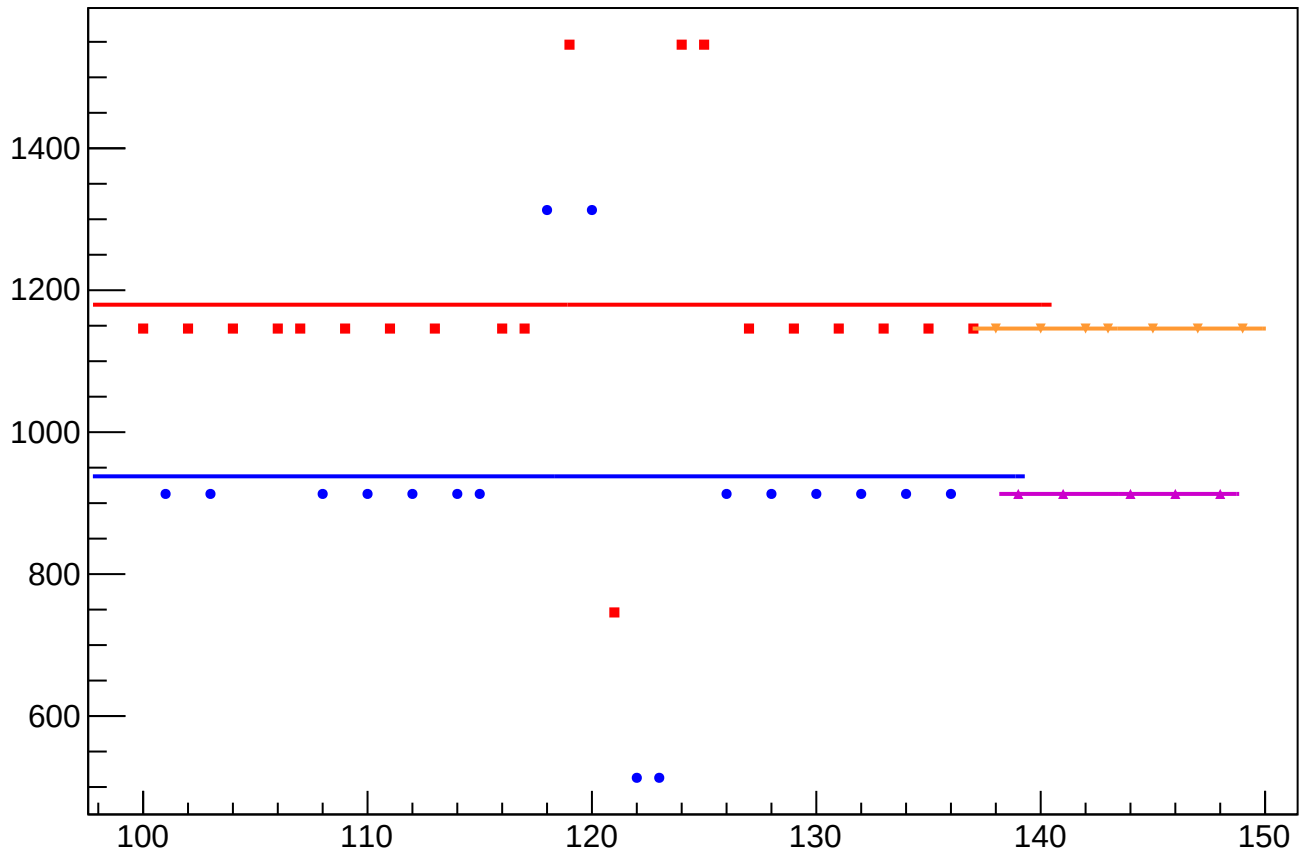
Right Out: 16.009+/-0.000 χ^2/NDF : 42750.0/19

Left In: 17.009+/-0.000 χ^2/NDF : 9870.2/4

16.575+/-0.000 χ^2/NDF : 287432478632473565

16.373+/-0.000 χ^2/NDF : 261107174490677129

epics_RTPAPOSUCNTs_mean vs Slug



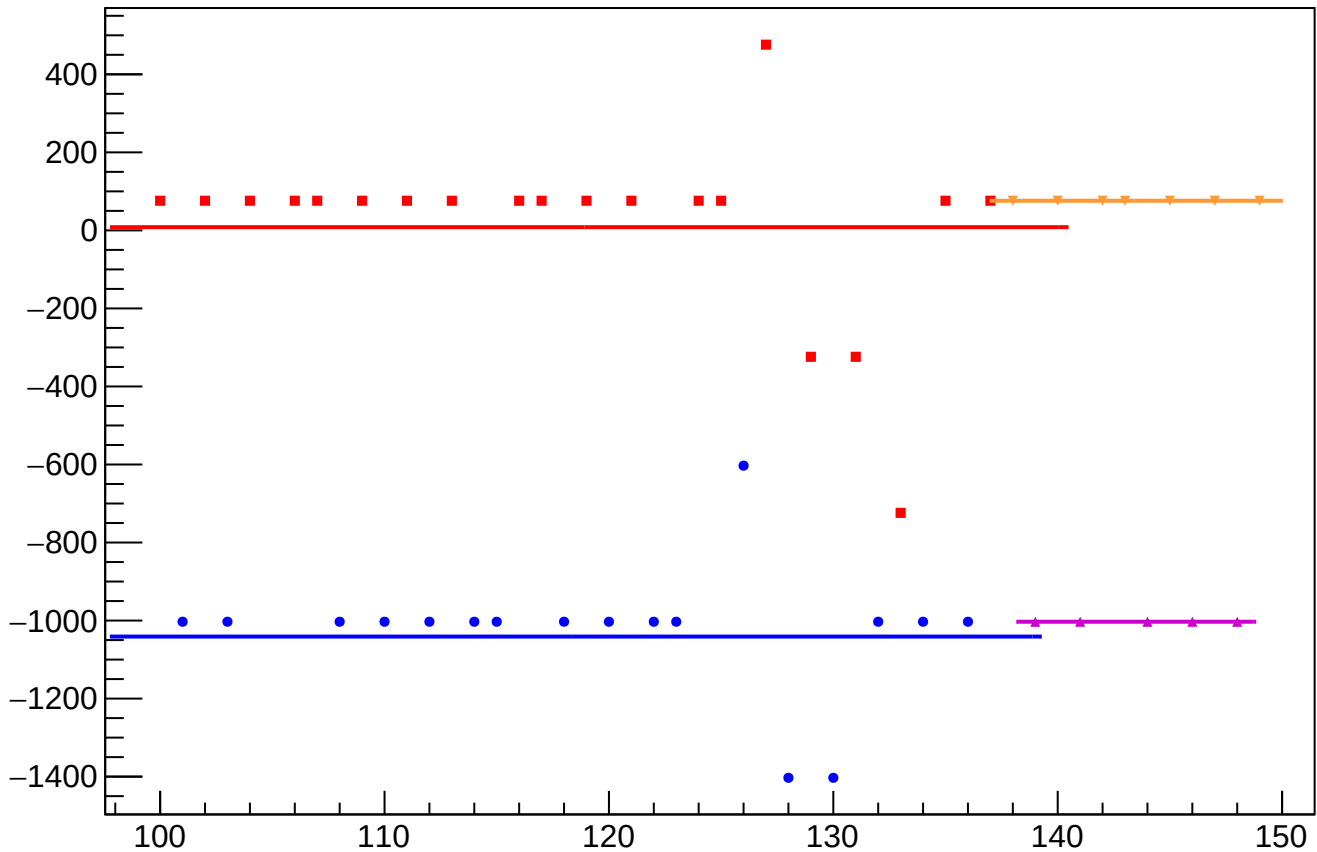
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.011+/-0.000 χ^2/NDF : 2002119584020016723361005568.0/6

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 : 2642194520450099076585750528.0/6 χ^2/NDF : 3919601193757442
 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