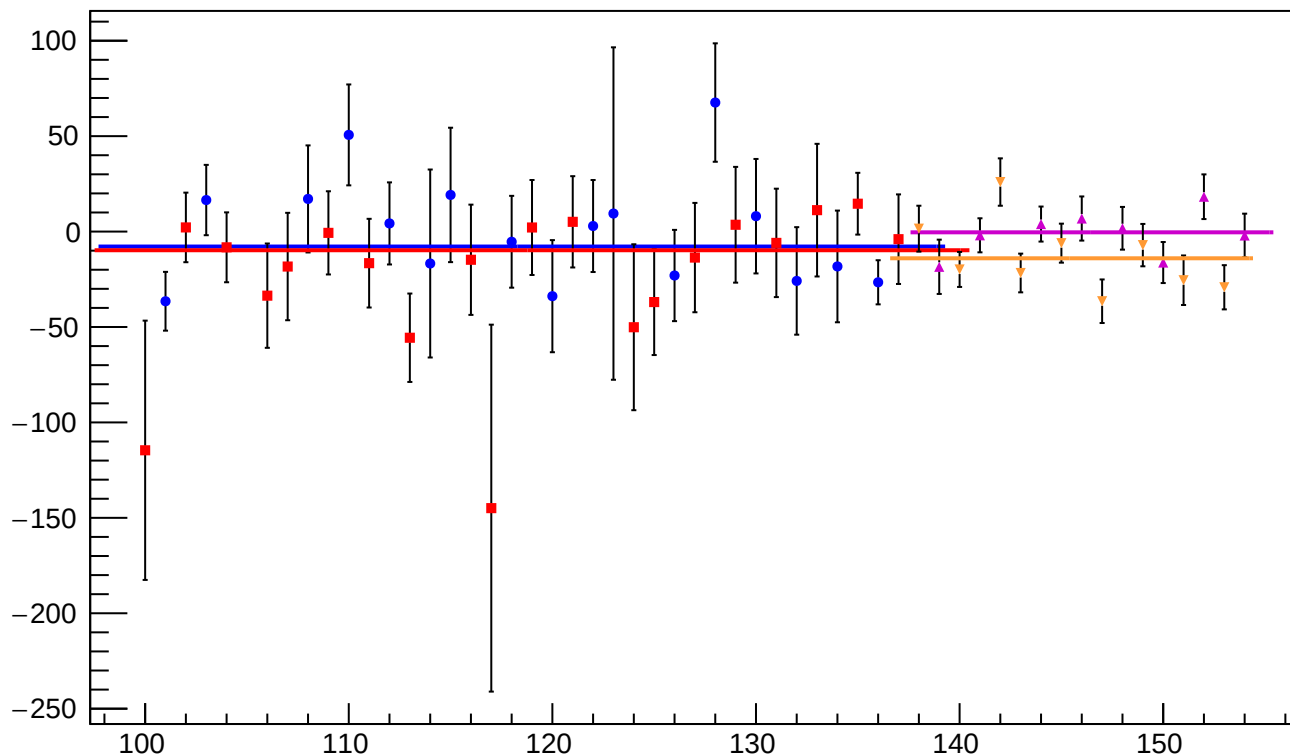


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

χ^2/NDF : 22.6/16

-12.145 ± 3.078

χ^2/NDF : 43.9/25

Left Out: -13.999 ± 3.682

χ^2/NDF : 20.4/8

Right Out: -9.781 ± 5.667

χ^2/NDF : 15.2/19

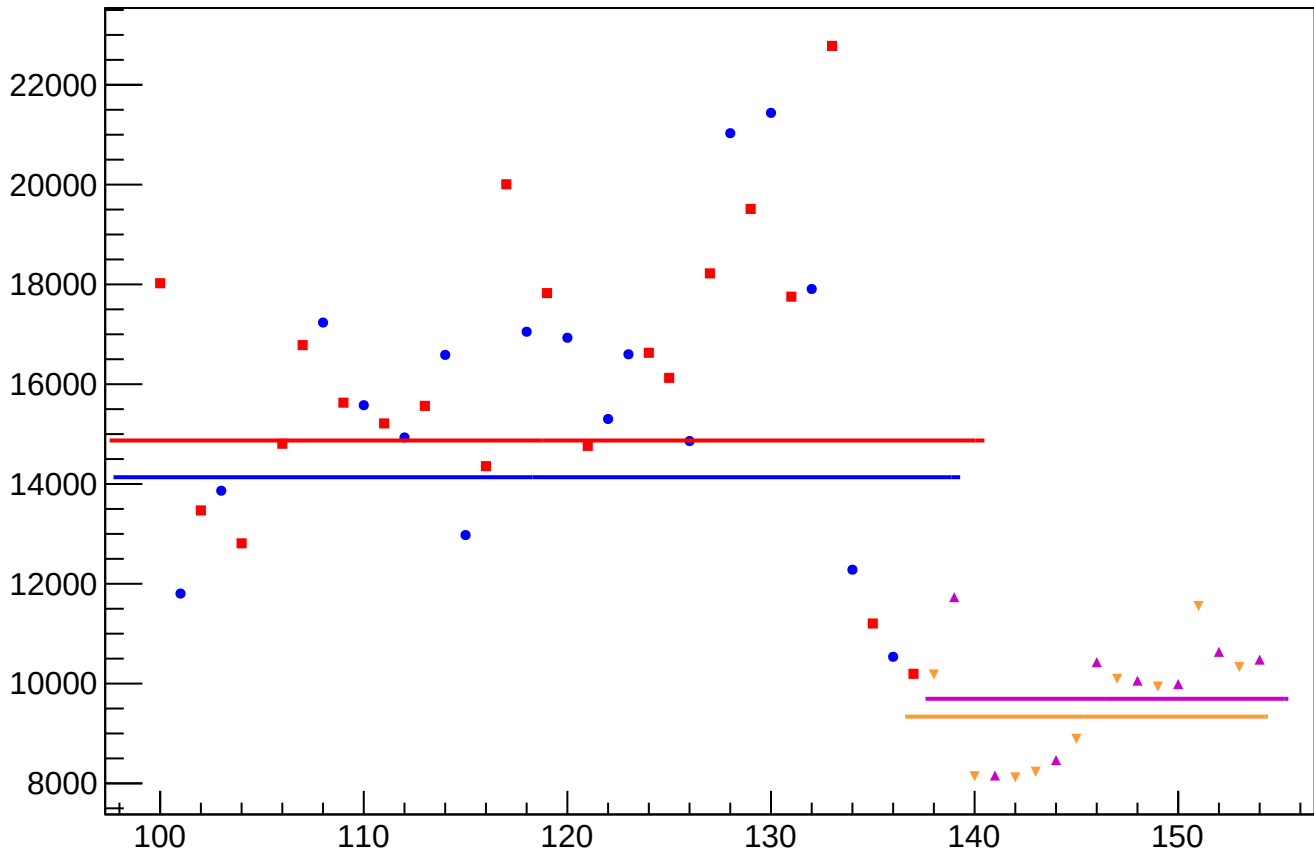
-3.330 ± 3.169

χ^2/NDF : 24.1/27

Left In: -0.394 ± 3.823

χ^2/NDF : 7.0/7

diff_bpm4aX_rms vs Slug



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

Left Out: 9338.208+/-2.603 χ^2/NDF : 178370.7/8

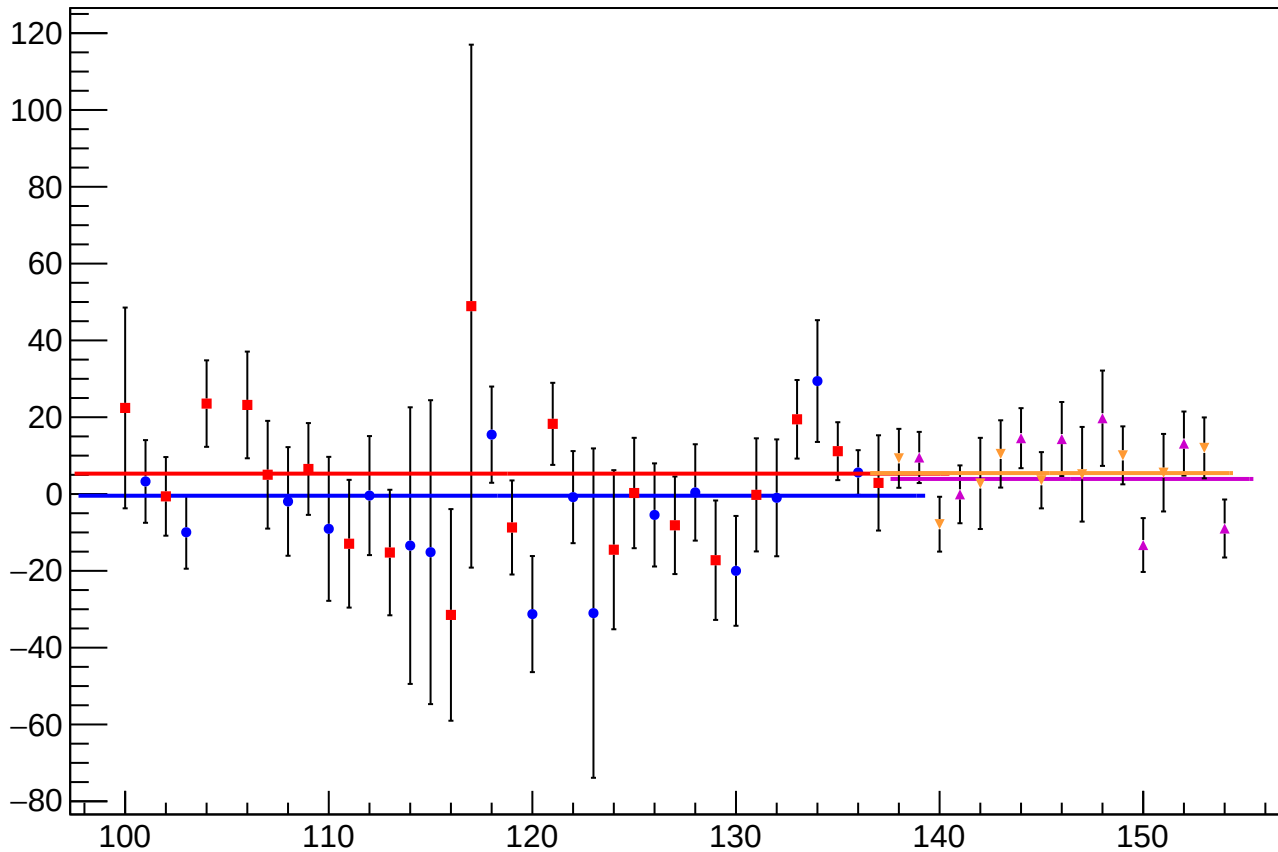
10783.066+/-2.176 χ^2/NDF : 1798341.7/25

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

11313.910+/-2.241 χ^2/NDF : 1794989.3/27

Left In: 9695.089+/-2.703 χ^2/NDF : 170289.5/7

diff_bpm4aY_mean vs Slug



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

Left Out: 5.452 ± 2.826 χ^2/NDF : 5.2/8

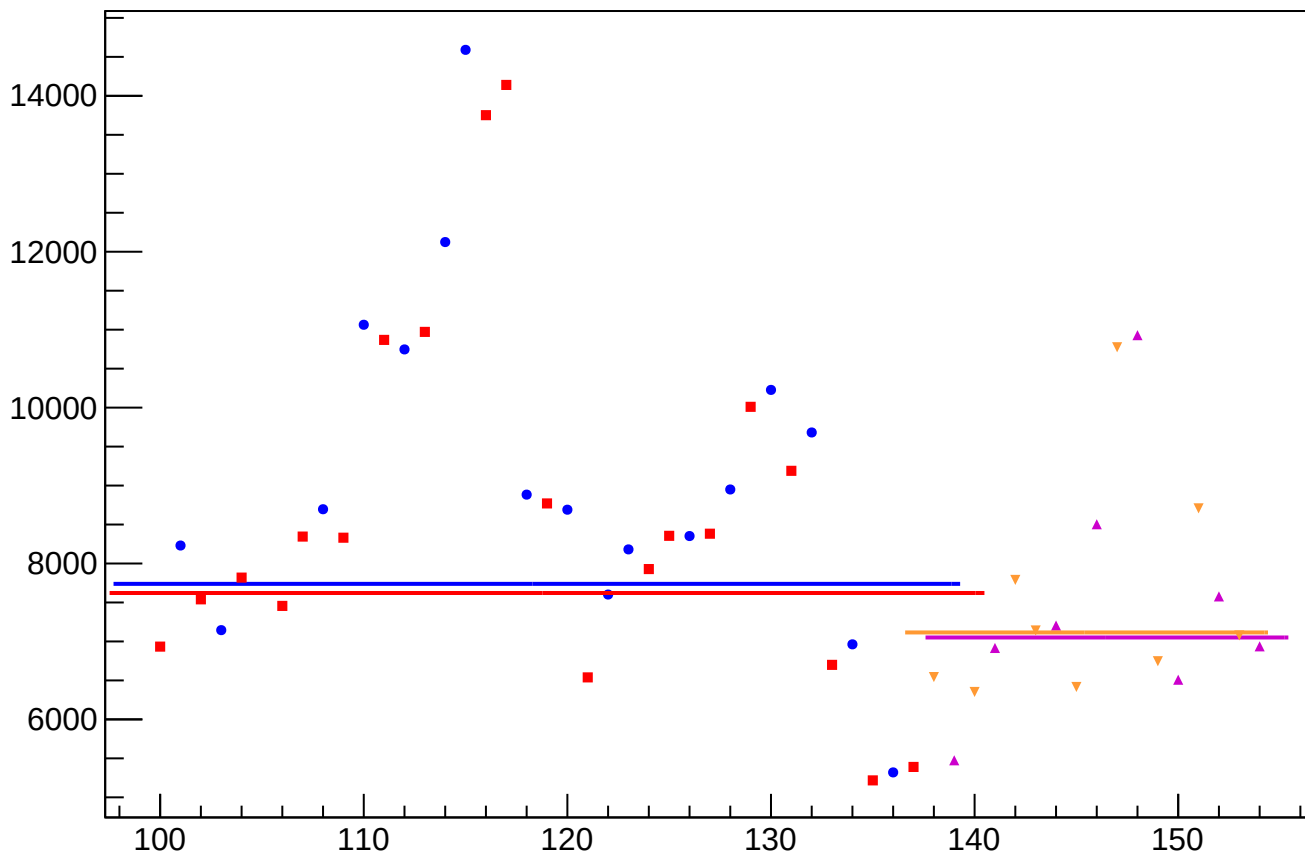
Right Out: 5.310 ± 2.933 χ^2/NDF : 19.8/19

Left In: 3.926 ± 2.817 χ^2/NDF : 15.8/7

2.750 ± 2.080 χ^2/NDF : 21.7/25

4.590 ± 2.032 χ^2/NDF : 35.7/27

diff_bpm4aY_rms vs Slug



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

Left Out: 7115.503 $\pm$ 1.998 χ^2 /NDF: 289558.3/8

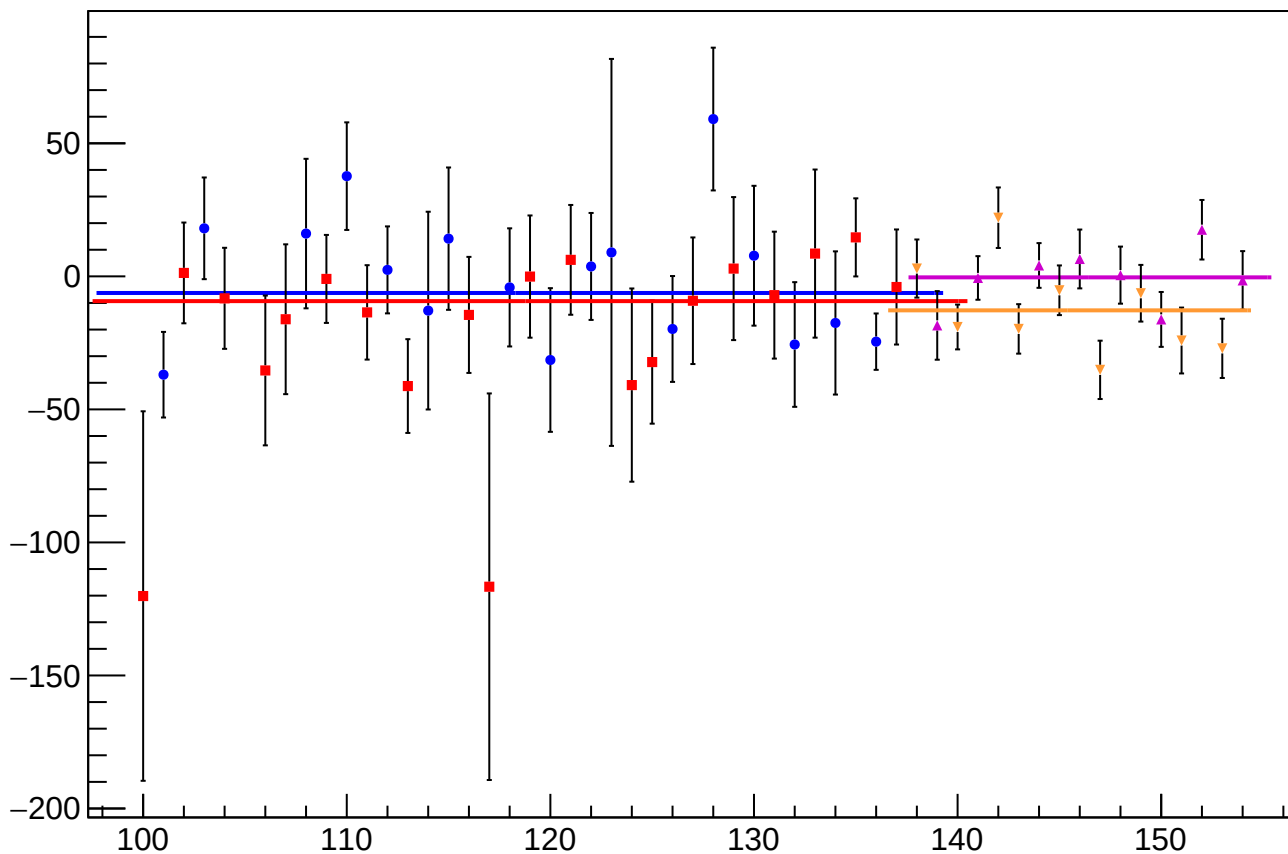
Right Out: 7621.652 $\pm$ 2.074 χ^2 /NDF: 697548.6/19

Left In: 7050.792 $\pm$ 1.992 χ^2 /NDF: 374402.3/7

7401.344 $\pm$ 1.470 χ^2 /NDF: 1075016.2/25

7324.715 $\pm$ 1.437 χ^2 /NDF: 1111357.8/27

diff_bpm4eX_mean vs Slug



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

Left Out: -12.777 ± 3.430 $\chi^2/\text{NDF}: 20.2/8$

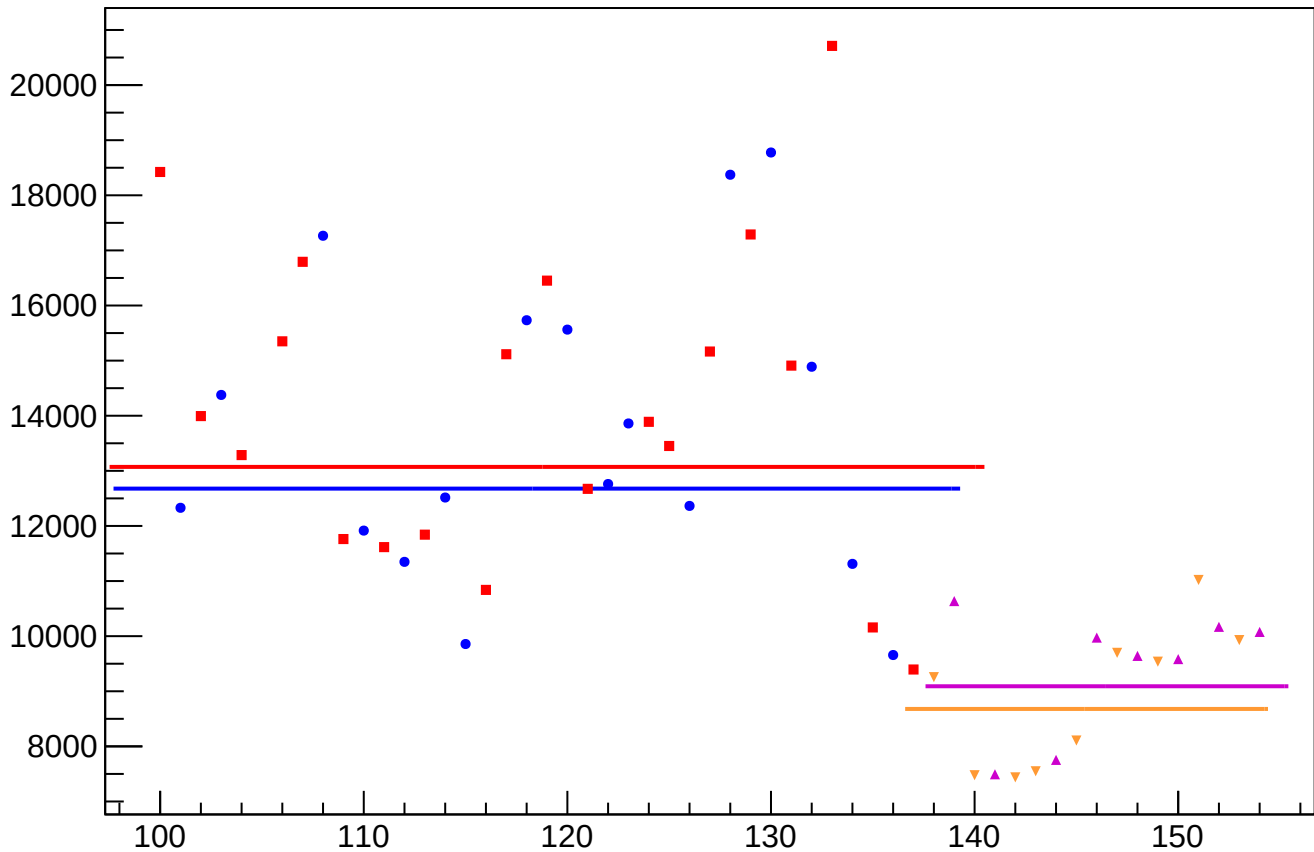
Right Out: -9.310 ± 4.987 $\chi^2/\text{NDF}: 15.3/19$

Left In: -0.377 ± 3.590 $\chi^2/\text{NDF}: 7.6/7$

-10.696 ± 2.832 $\chi^2/\text{NDF}: 44.6/25$

-3.426 ± 2.914 $\chi^2/\text{NDF}: 25.0/27$

diff_bpm4eX_rms vs Slug



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

Left Out: 8679.404+/-2.425 χ^2/NDF : 234279.8/8

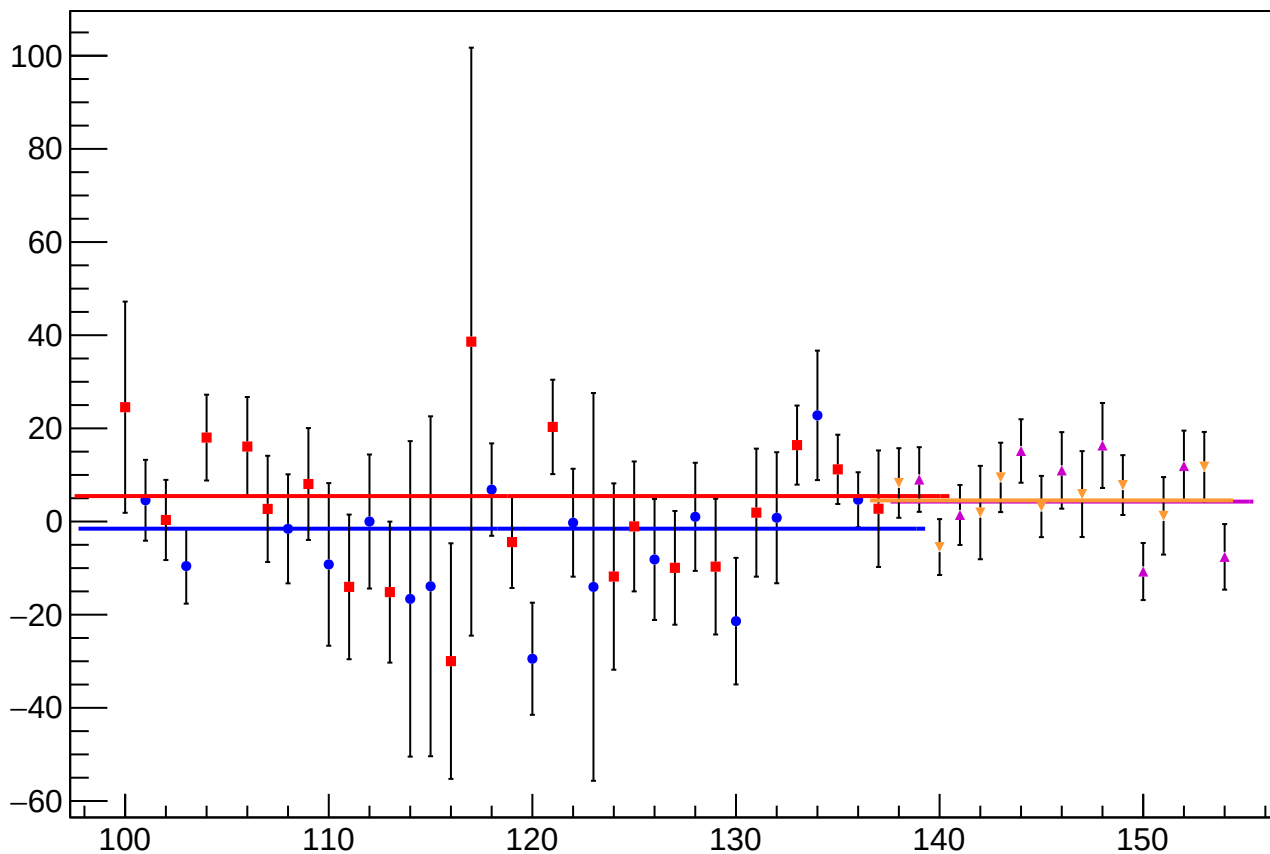
9952.838+/-2.002 χ^2/NDF : 1653354.2/25

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

10449.408+/-2.060 χ^2/NDF : 1550758.8/27

Left In: 9090.800+/-2.539 χ^2/NDF : 212511.9/7

diff_bpm4eY_mean vs Slug



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

Left Out: 4.533 ± 2.460 χ^2/NDF : 5.0/8

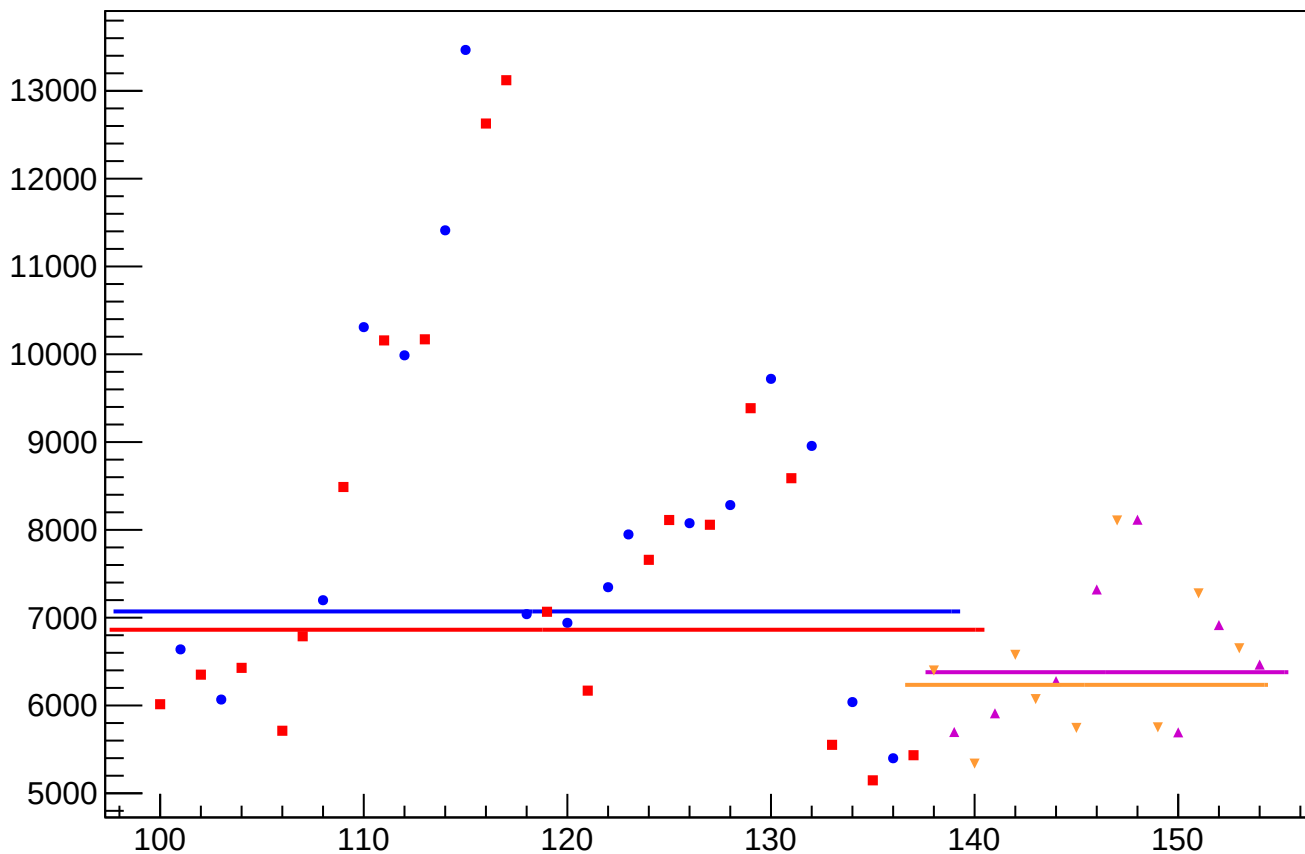
Right Out: 5.463 ± 2.637 χ^2/NDF : 18.9/19

Left In: 4.281 ± 2.521 χ^2/NDF : 15.5/7

1.878 ± 1.845 χ^2/NDF : 22.5/25

4.845 ± 1.822 χ^2/NDF : 34.4/27

diff_bpm4eY_rms vs Slug



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

Left Out: 6234.827+/-1.740 χ^2 /NDF:191443.5/8

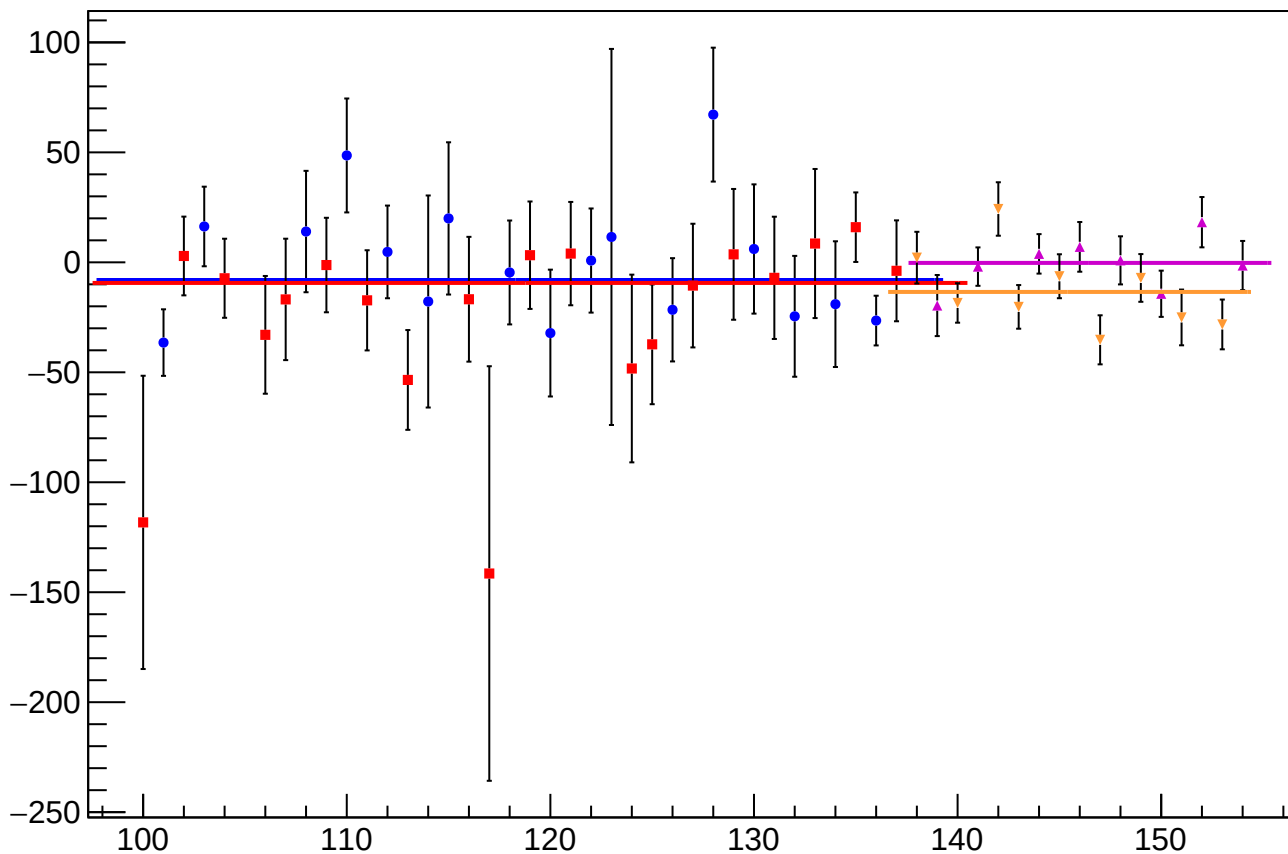
Right Out: 6862.551+/-1.865 χ^2 /NDF: 704099.3/19

Left In: 6379.061+/-1.783 χ^2 /NDF:164245.0/7

6600.602+/-1.305 χ^2 /NDF: 893239.8/25

6609.917+/-1.289 χ^2 /NDF: 903466.6/27

diff_bpm4acX_mean vs Slug



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

Left Out: -13.460 ± 3.600 χ^2/NDF : 19.4/8

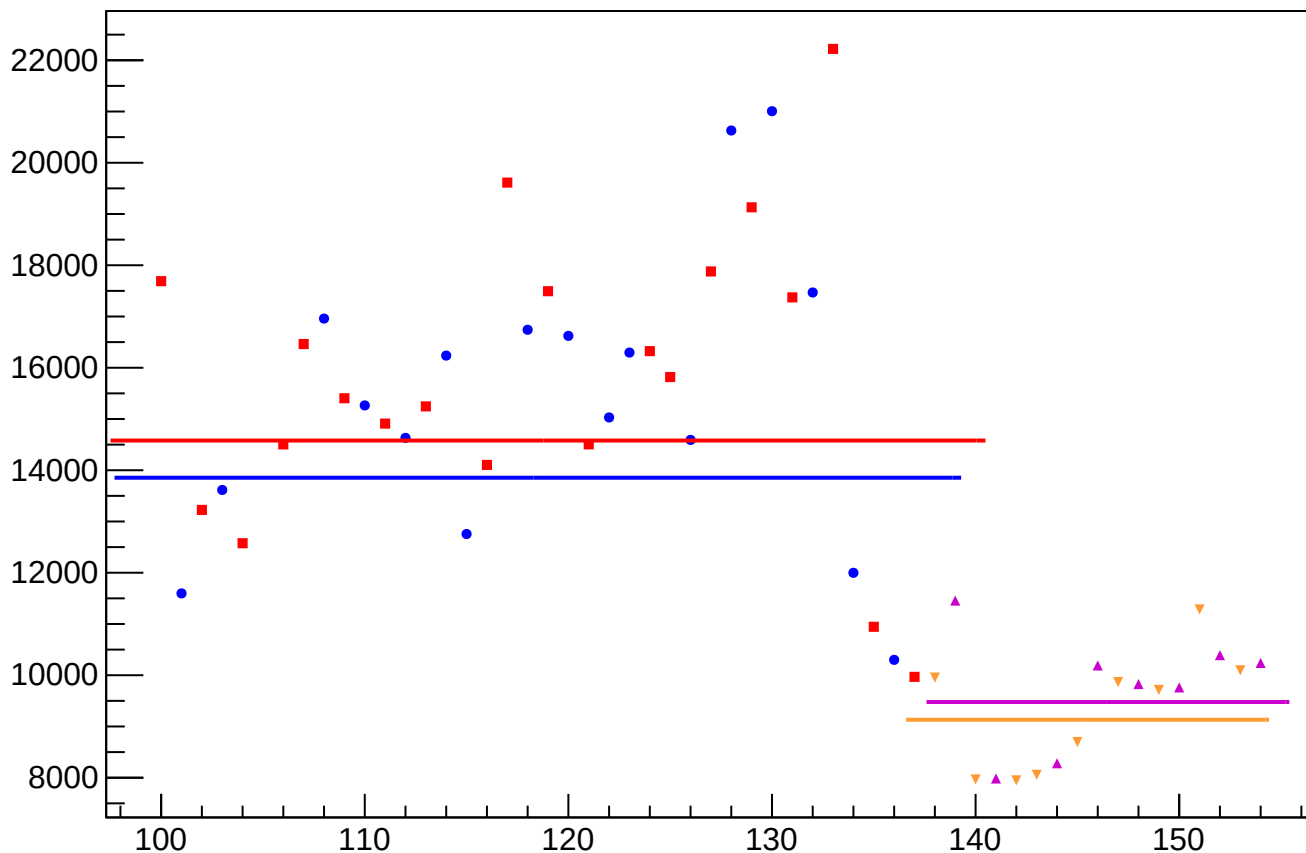
Right Out: -9.368 ± 5.556 χ^2/NDF : 15.7/19

Left In: -0.261 ± 3.737 χ^2/NDF : 7.0/7

-11.832 ± 3.012 χ^2/NDF : 42.6/25

-3.097 ± 3.101 χ^2/NDF : 24.5/27

diff_bpm4acX_rms vs Slug



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

Left Out: 9131.806+/-2.545 χ^2/NDF :176290.9/8

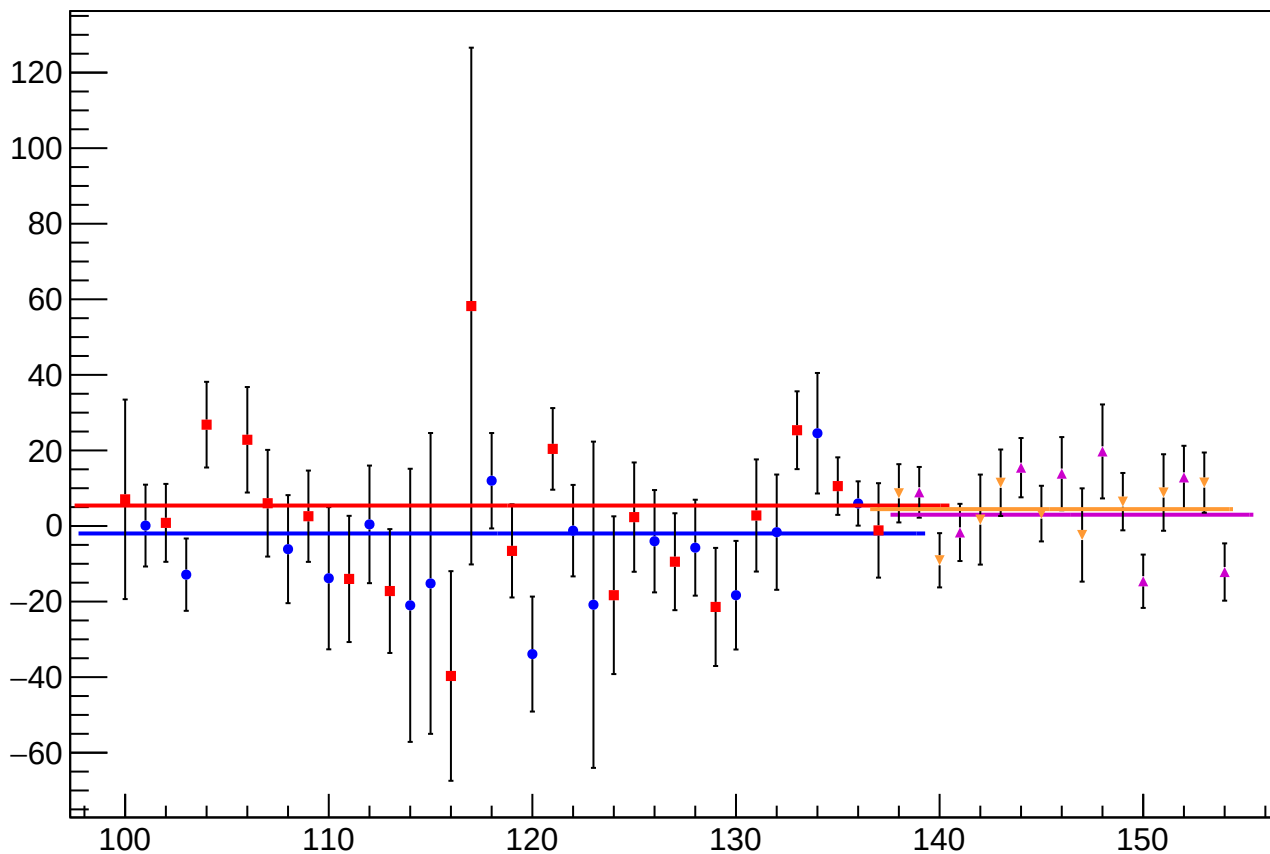
Right Out: 14579.863+/-3.929 χ^2/NDF : 480003.4/19

Left In: 9477.922+/-2.642 χ^2/NDF :168126.3/7

10549.010+/-2.129 χ^2/NDF : 1810189.0/25

11066.702+/-2.193 χ^2/NDF : 1809212.2/27

diff_bpm4acY_mean vs Slug



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

Left Out: 4.465 ± 2.839 χ^2/NDF : 5.9/8

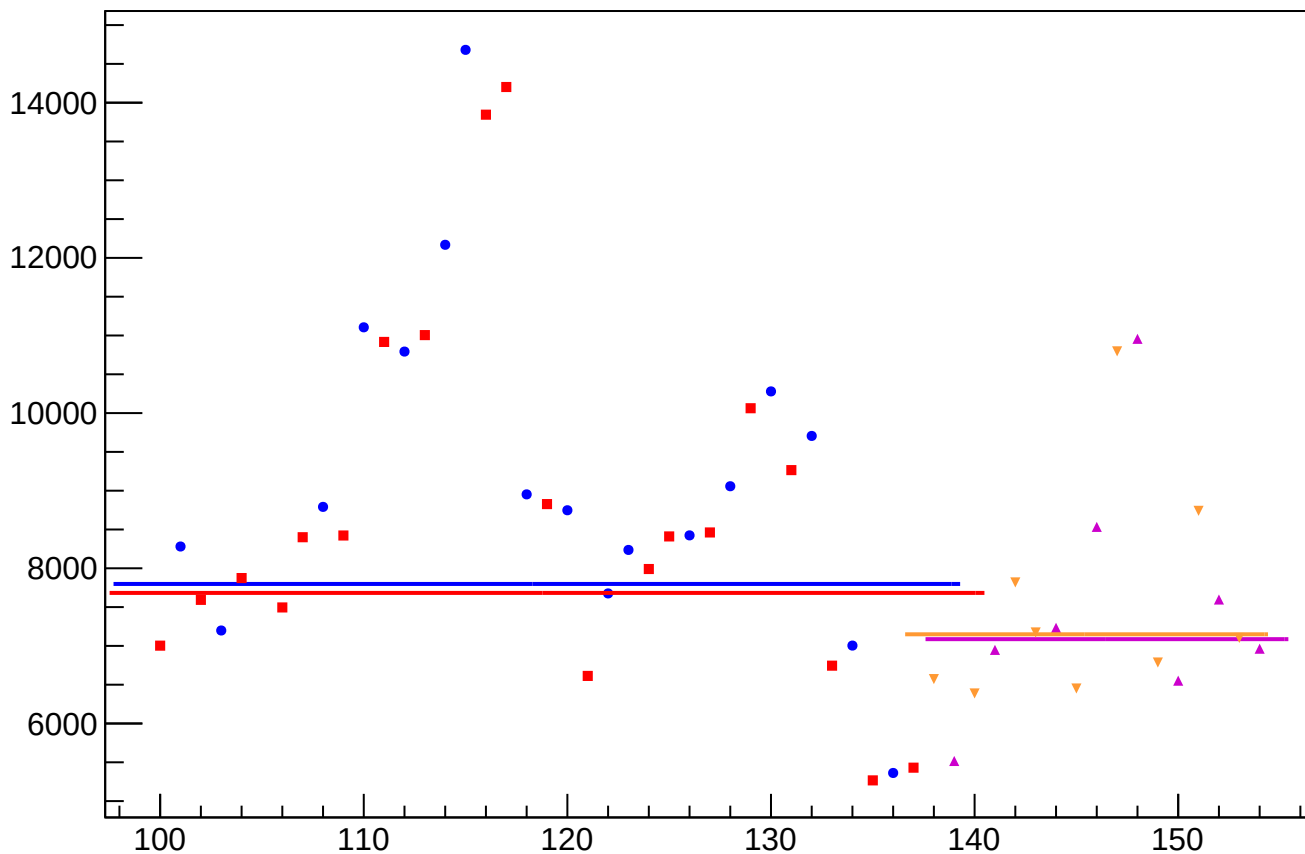
Right Out: 5.417 ± 2.956 χ^2/NDF : 24.9/19

Left In: 2.987 ± 2.831 χ^2/NDF : 18.4/7

1.520 ± 2.092 χ^2/NDF : 22.3/25

4.150 ± 2.044 χ^2/NDF : 43.6/27

diff_bpm4acY_rms vs Slug



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

Left Out: 7149.485 ± 2.007 χ^2/NDF : 286513.1/8

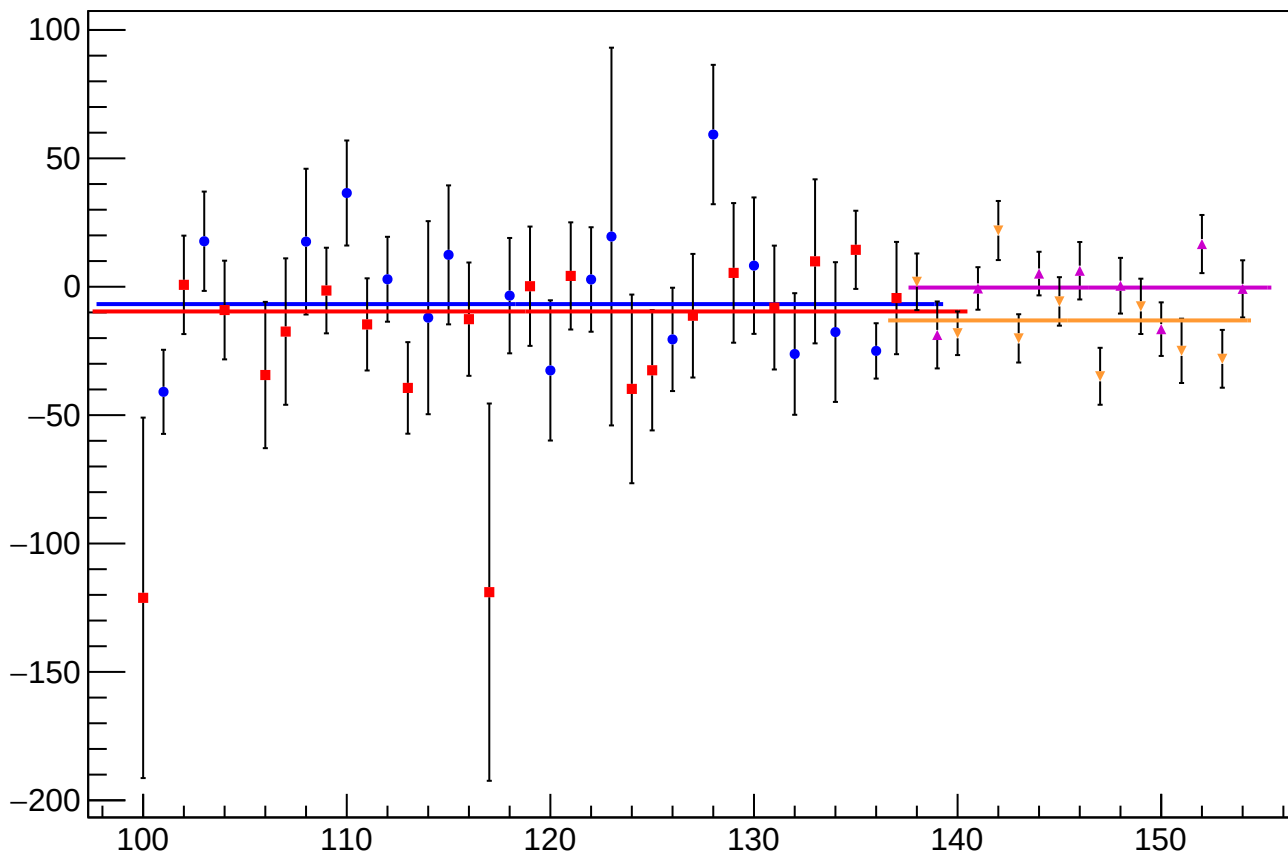
Right Out: 7682.786 ± 2.090 χ^2/NDF : 690901.2/19

Left In: 7086.863 ± 2.002 χ^2/NDF : 368674.6/7

7446.029 ± 1.479 χ^2/NDF : 1070542.7/25

7371.939 ± 1.446 χ^2/NDF : 1101982.4/27

diff_bpm4ecX_mean vs Slug



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

Left Out: -13.118 ± 3.467 χ^2/NDF : 19.4/8

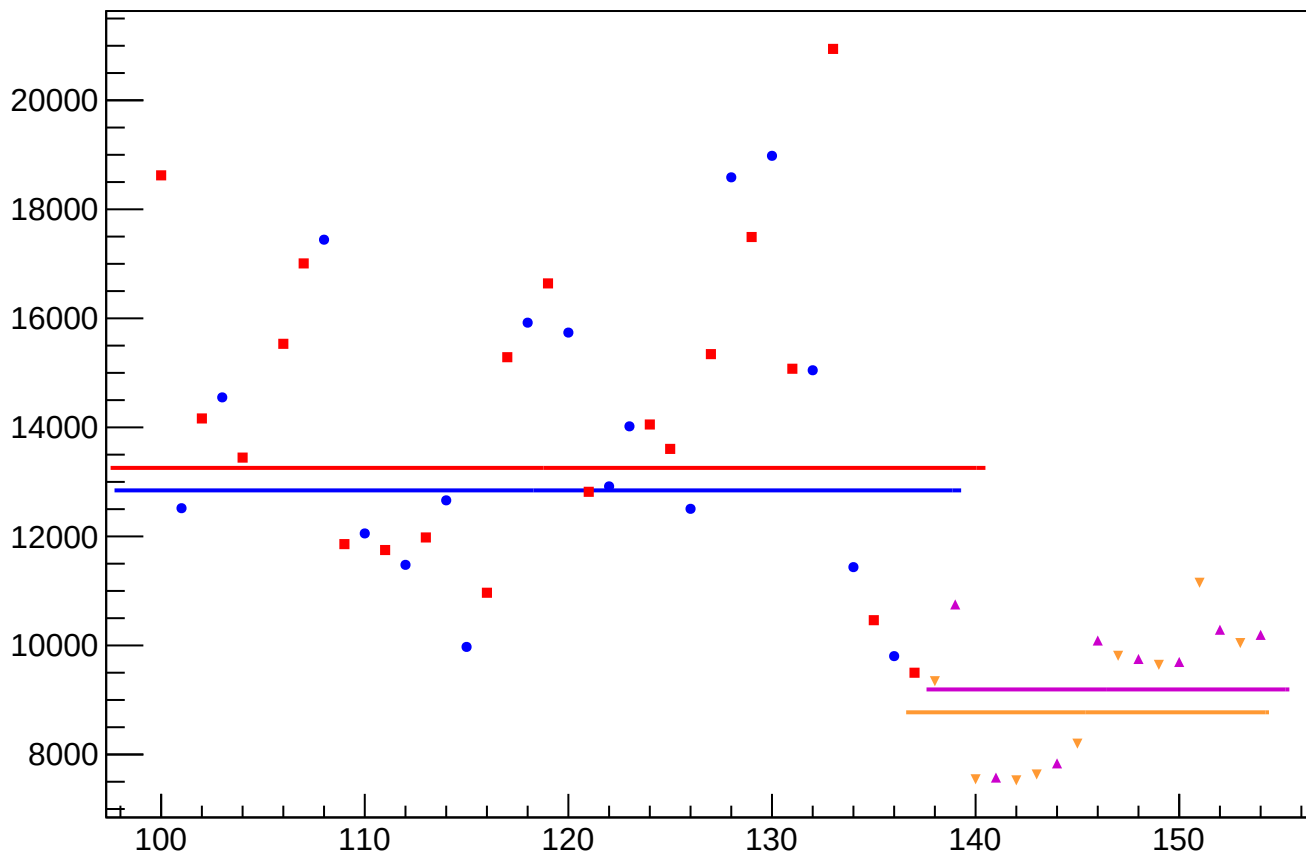
Right Out: -9.622 ± 5.058 χ^2/NDF : 14.5/19

Left In: -0.322 ± 3.631 χ^2/NDF : 7.4/7

-11.100 ± 2.865 χ^2/NDF : 44.2/25

-3.484 ± 2.950 χ^2/NDF : 24.1/27

diff_bpm4ecX_rms vs Slug



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

Left Out: 8773.555+/-2.452 χ^2/NDF :235525.1/8

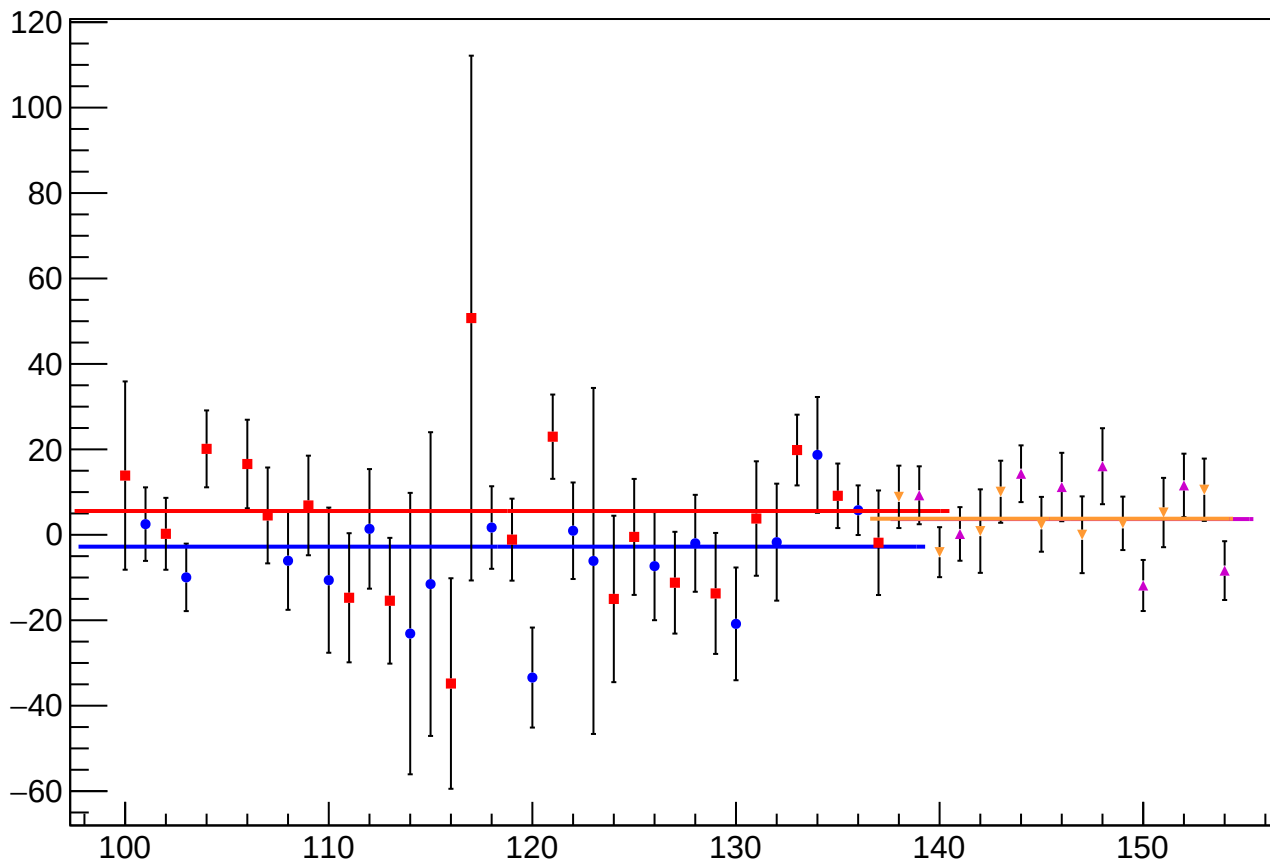
Right Out: 13256.926+/-3.577 χ^2/NDF : 487016.8/19

Left In: 9193.013+/-2.567 χ^2/NDF :213509.6/7

10065.732+/-2.026 χ^2/NDF : 1657780.6/25

10574.707+/-2.086 χ^2/NDF : 1552518.9/27

diff_bpm4ecY_mean vs Slug



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

Left Out: 3.767 ± 2.400 χ^2/NDF : 4.3/8

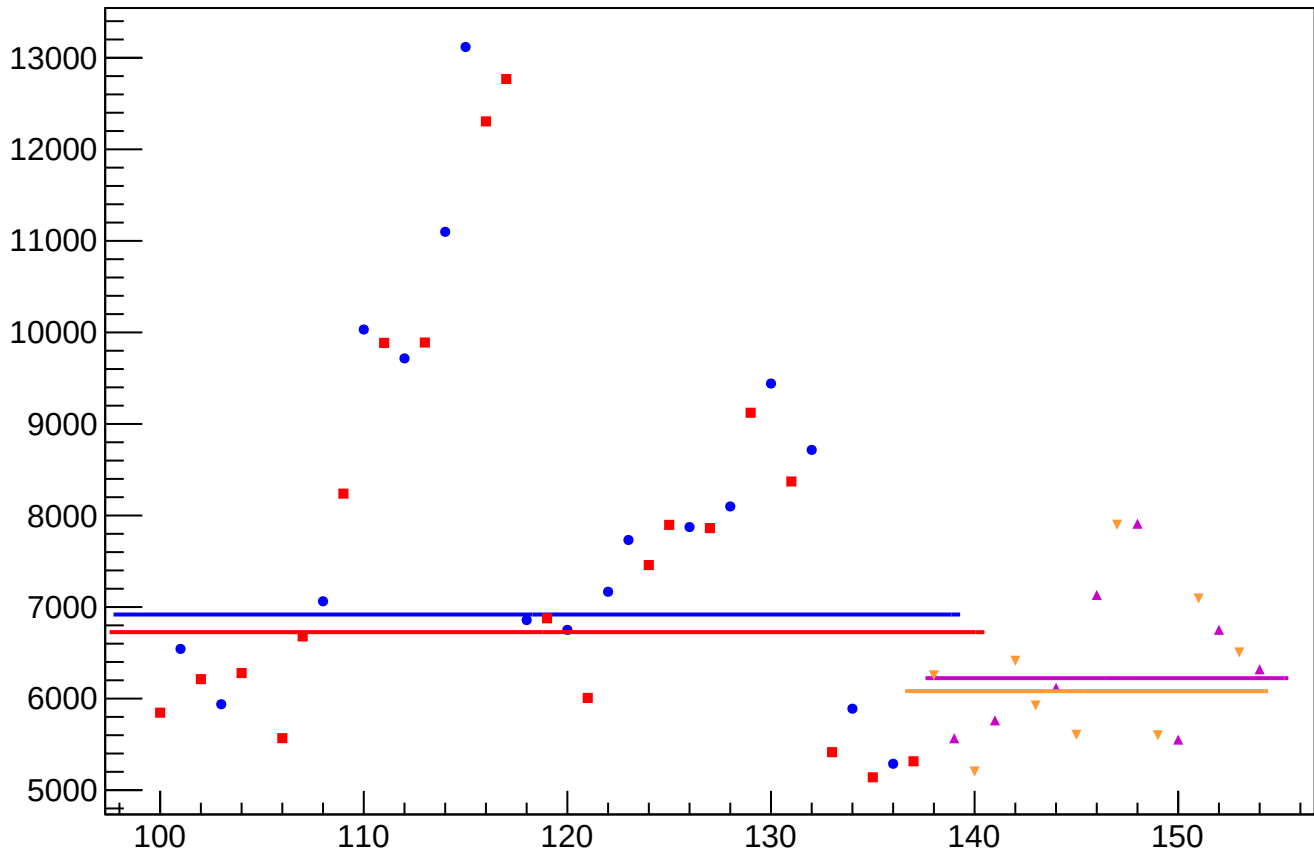
Right Out: 5.571 ± 2.585 χ^2/NDF : 23.7/19

Left In: 3.685 ± 2.459 χ^2/NDF : 17.3/7

0.918 ± 1.803 χ^2/NDF : 23.4/25

4.581 ± 1.782 χ^2/NDF : 41.3/27

diff_bpm4ecY_rms vs Slug



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

Left Out: 6081.587+/-1.697 χ^2/NDF : 192069.2/8

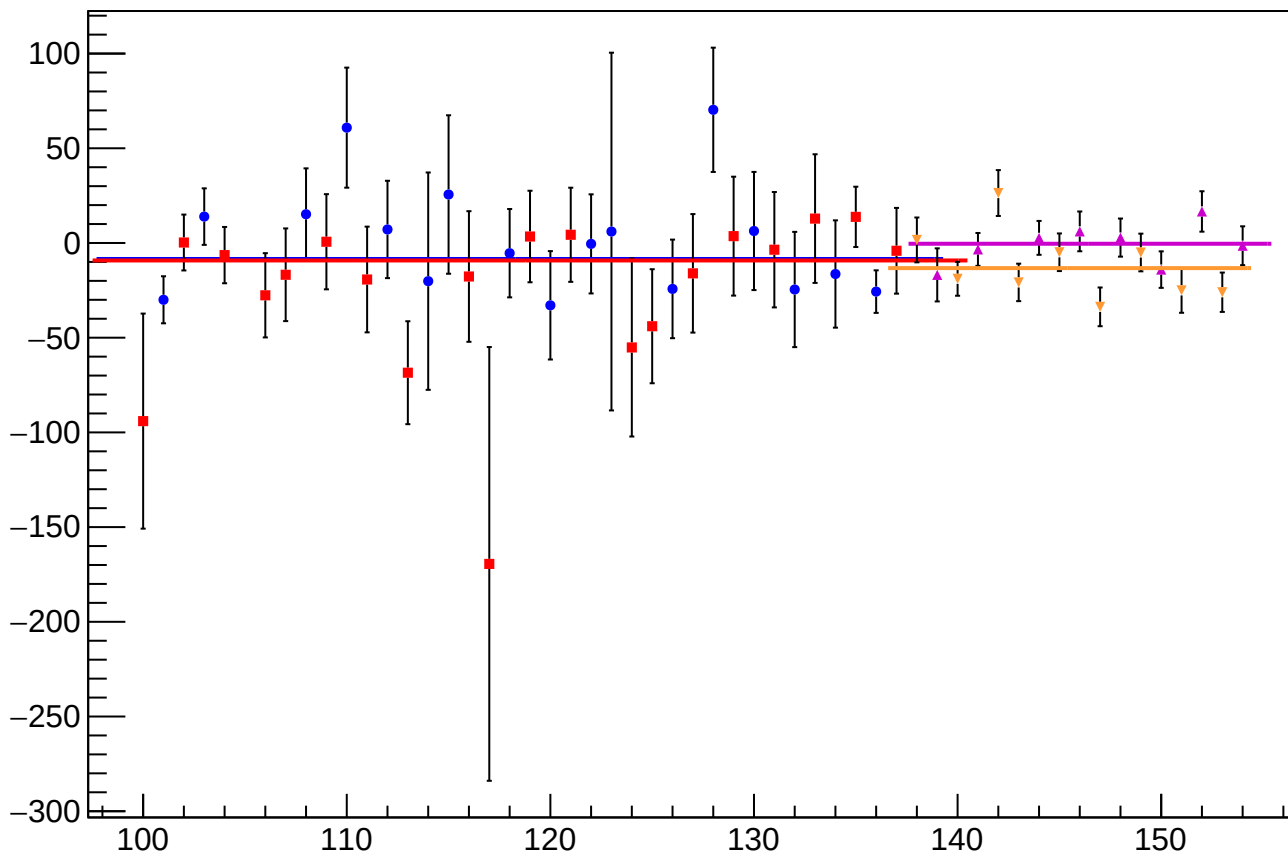
Right Out: 6725.745+/-1.828 χ^2/NDF : 675399.9/19

Left In: 6223.042+/-1.739 χ^2/NDF : 163503.4/7

6446.177+/-1.275 χ^2/NDF : 885049.2/25

6461.867+/-1.260 χ^2/NDF : 878601.9/27

diff_bpm1X_mean vs Slug



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

Left Out: -13.264 ± 3.474 $\chi^2/\text{NDF}: 21.2/8$

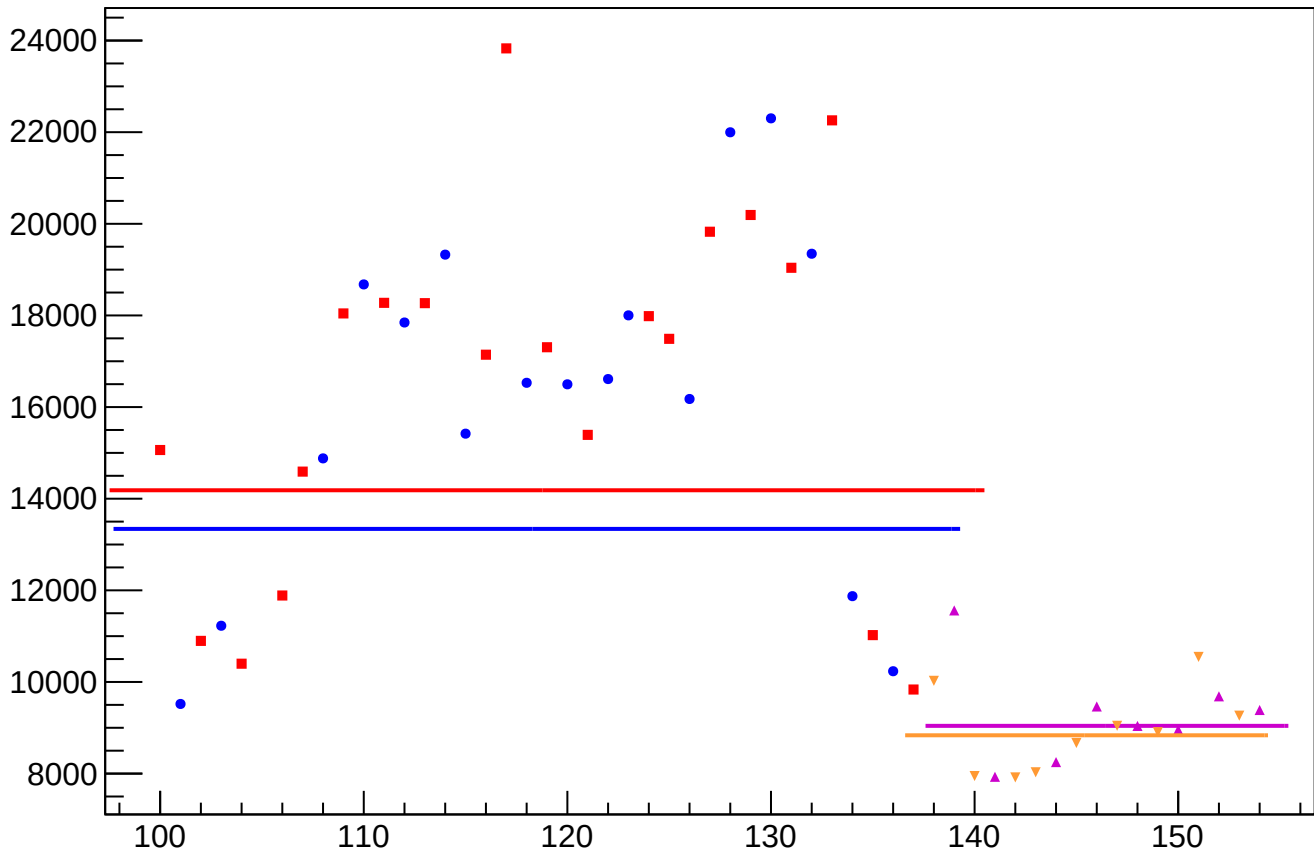
Right Out: -9.224 ± 5.502 $\chi^2/\text{NDF}: 16.2/19$

Left In: -0.407 ± 3.560 $\chi^2/\text{NDF}: 6.7/7$

-11.852 ± 2.920 $\chi^2/\text{NDF}: 43.7/25$

-3.009 ± 2.989 $\chi^2/\text{NDF}: 24.7/27$

diff_bpm1X_rms vs Slug



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

Left Out: 8836.180+/-2.456 χ^2/NDF :111396.9/8

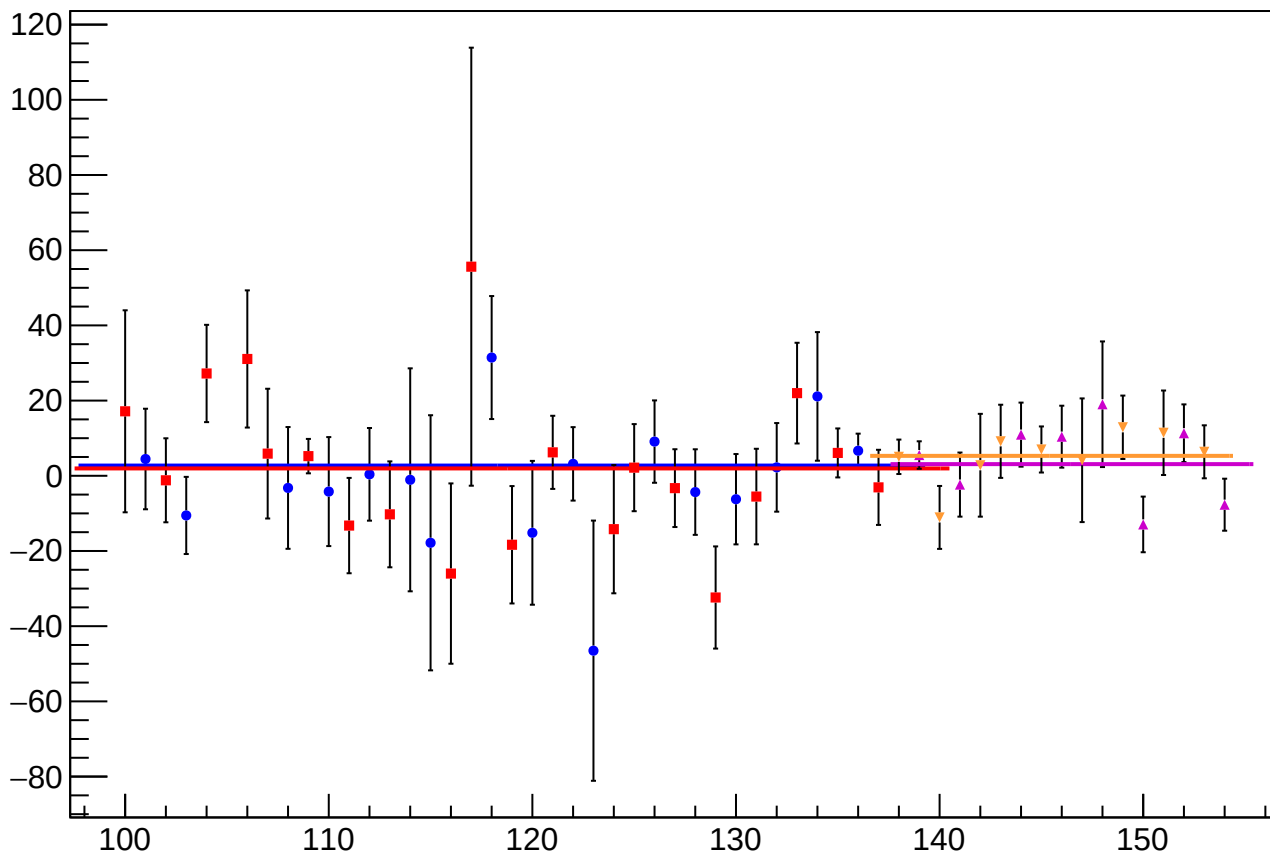
10157.084+/-2.065 χ^2/NDF : 2142265.4/25

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

10559.588+/-2.113 χ^2/NDF : 2303434.8/27

Left In: 9042.265+/-2.517 χ^2/NDF :126119.7/7

diff_bpm1Y_mean vs Slug



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

Left Out: 5.301 ± 2.579 χ^2/NDF : 5.2/8

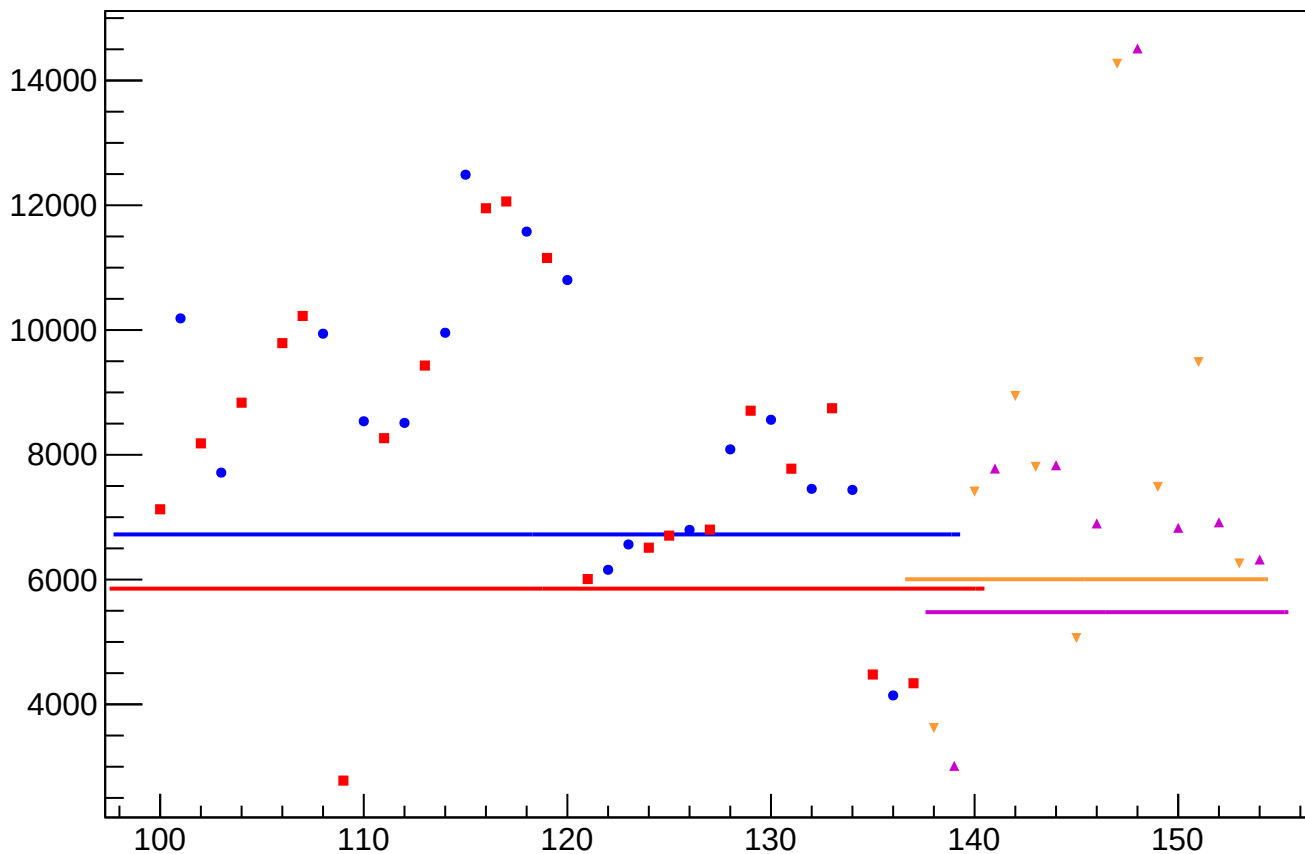
Right Out: 1.955 ± 2.437 χ^2/NDF : 24.4/19

Left In: 3.101 ± 2.378 χ^2/NDF : 11.7/7

4.092 ± 1.882 χ^2/NDF : 17.4/25

2.542 ± 1.702 χ^2/NDF : 36.2/27

diff_bpm1Y_rms vs Slug



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

Left Out: 6005.122+/-1.824 χ^2/NDF : 1568370.2/8

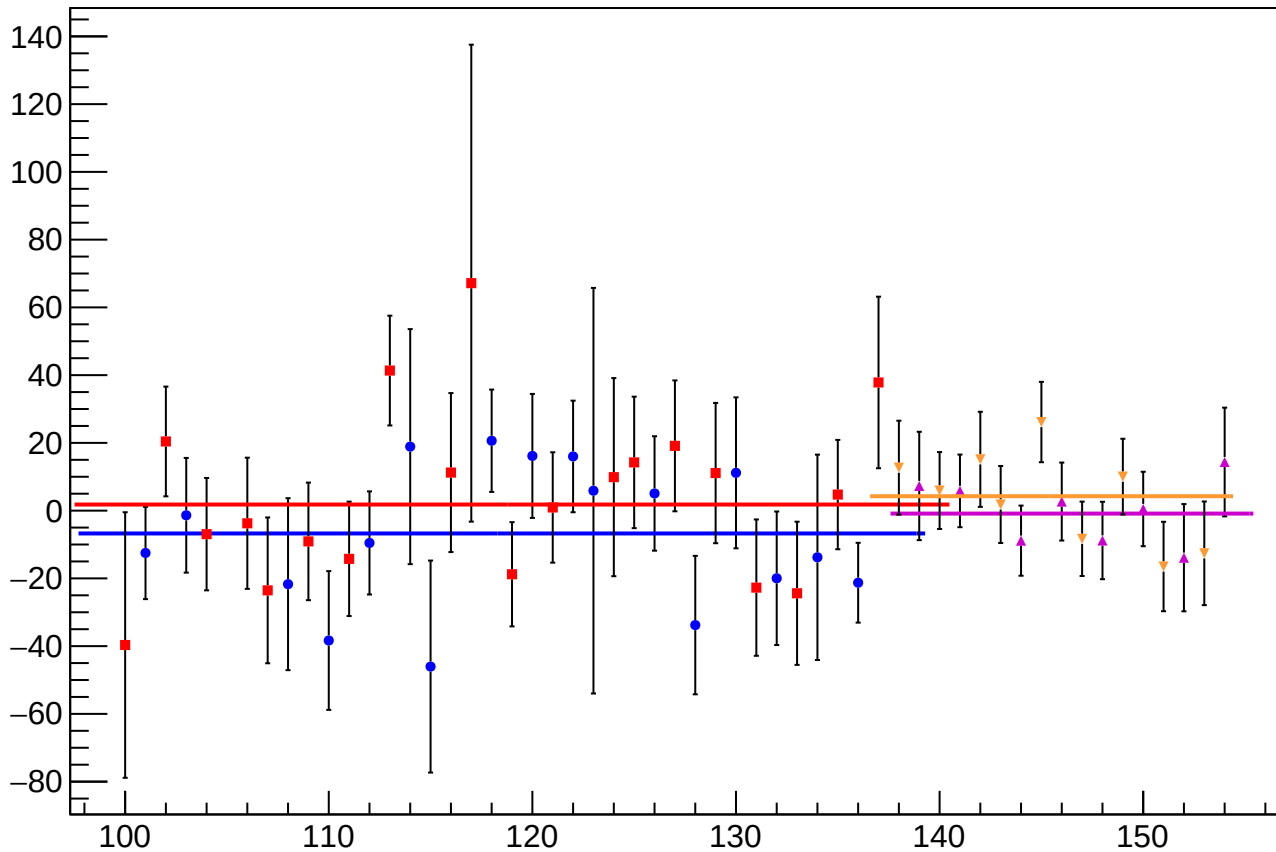
6341.211+/-1.331 χ^2/NDF : 3033073.1/25

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

5661.497+/-1.203 χ^2/NDF : 4343706.6/27

Left In: 5477.528+/-1.681 χ^2/NDF : 2019195.5/7

diff_bpm11X_mean vs Slug



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

Left Out: 4.254 ± 4.110 χ^2/NDF : 9.7/8

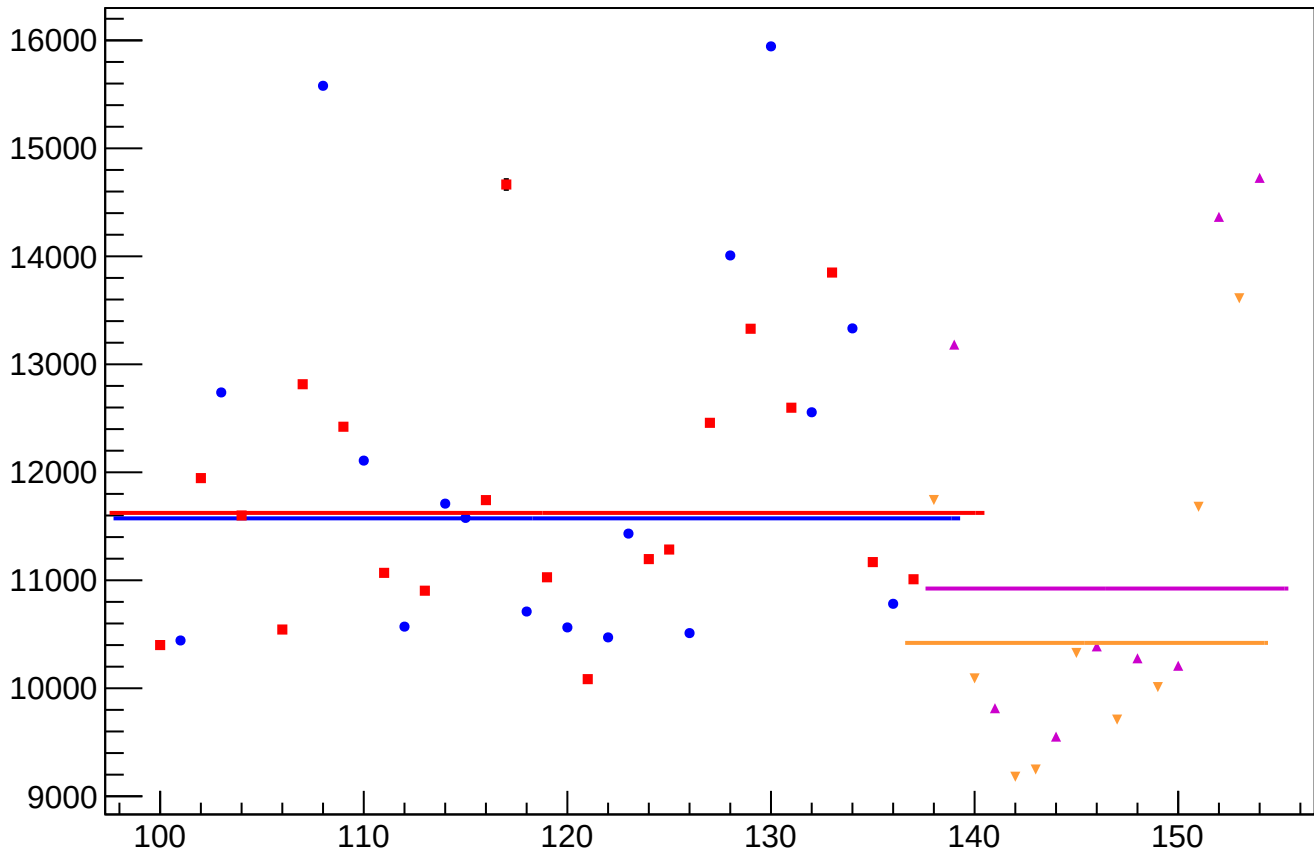
Right Out: 1.802 ± 4.364 χ^2/NDF : 20.8/19

Left In: -0.870 ± 4.331 χ^2/NDF : 3.4/7

-0.729 ± 3.039 χ^2/NDF : 29.8/25

0.456 ± 3.074 χ^2/NDF : 24.4/27

diff_bpm11X_rms vs Slug



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

Left Out: 10420.204 ± 2.906 χ^2/NDF : 173189.4/8

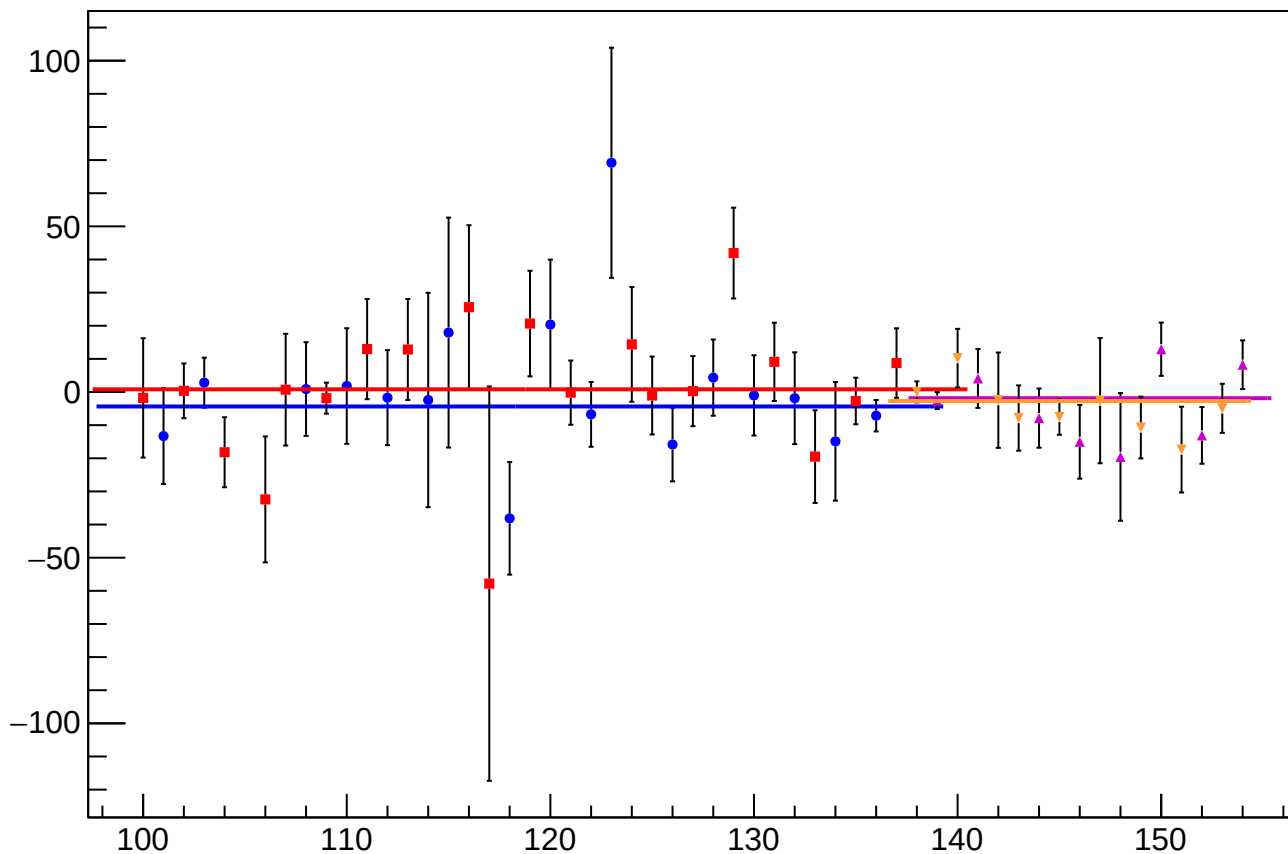
Right Out: 11623.951 ± 3.086 χ^2/NDF : 98055.0/19

Left In: 10923.597 ± 3.063 χ^2/NDF : 322475.2/7

10943.106 ± 2.149 χ^2/NDF : 483317.7/25

11271.145 ± 2.174 χ^2/NDF : 446479.4/27

diff_bpm11Y_mean vs Slug



Right In: -4.361 ± 2.776 $\chi^2/\text{NDF}: 14.5/16$

Left Out: -2.721 ± 2.234 $\chi^2/\text{NDF}: 6.1/8$

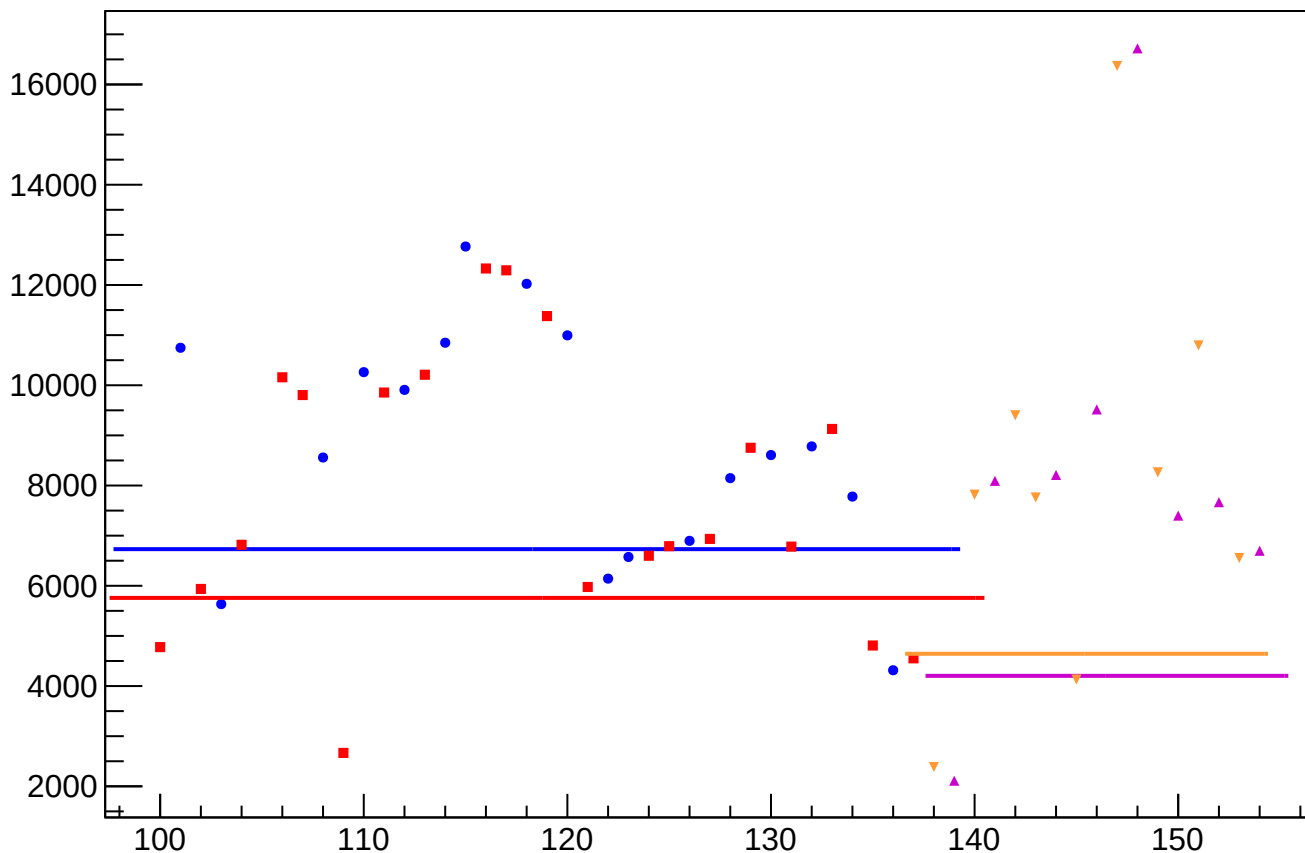
Right Out: 0.816 ± 2.424 $\chi^2/\text{NDF}: 24.5/19$

Left In: -1.868 ± 2.058 $\chi^2/\text{NDF}: 10.2/7$

-3.365 ± 1.741 $\chi^2/\text{NDF}: 20.8/25$

-0.743 ± 1.569 $\chi^2/\text{NDF}: 35.4/27$

diff_bpm11Y_rms vs Slug



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

Left Out: 4643.993+/-1.580 χ^2/NDF :3361214.0/8

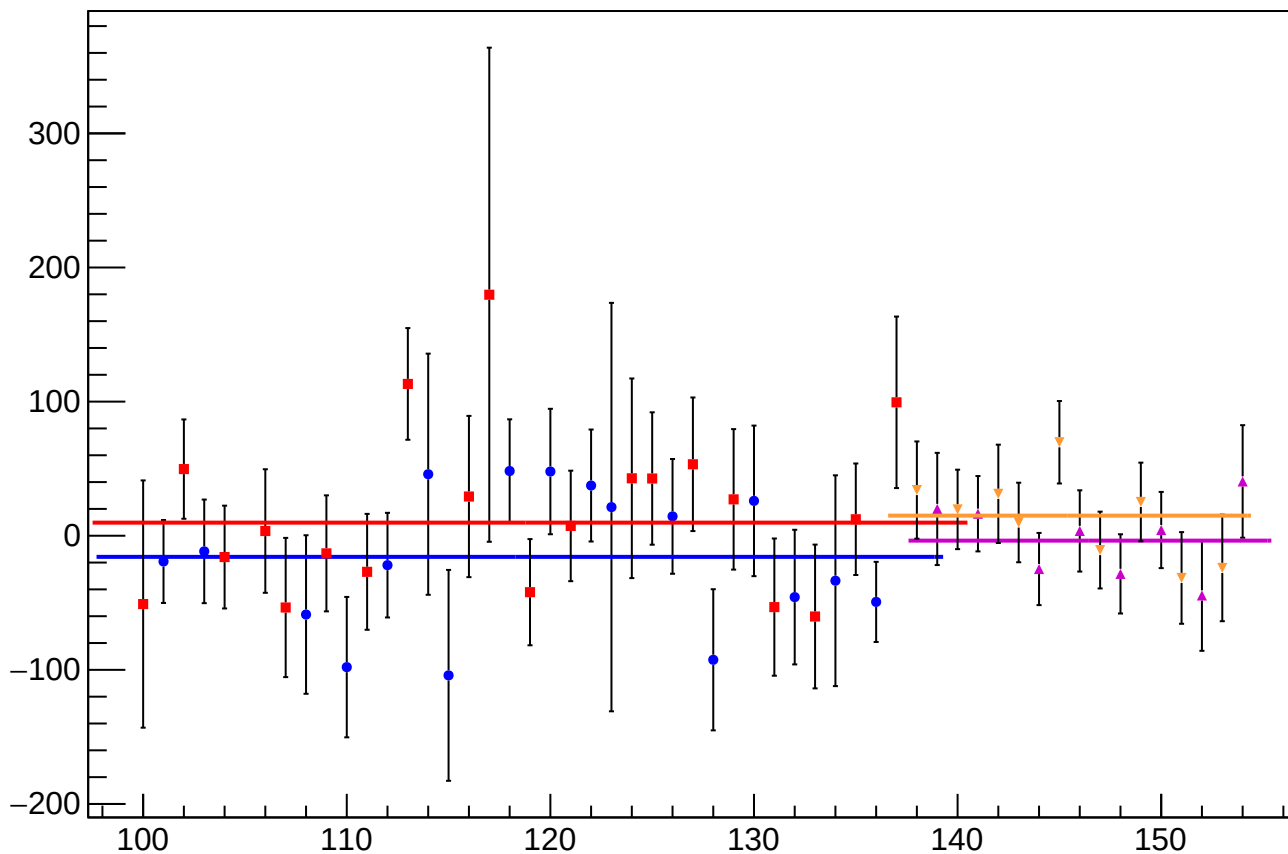
Right Out: 5758.506+/-1.714 χ^2/NDF : 2186395.0/19

Left In: 4203.846+/-1.455 χ^2/NDF :4292907.5/7

5464.169+/-1.231 χ^2/NDF : 5492255.3/25

4855.113+/-1.109 χ^2/NDF : 6957326.5/27

diff_bpm12X_mean vs Slug



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

Left Out: 14.995 ± 10.712 χ^2/NDF : 7.4/8

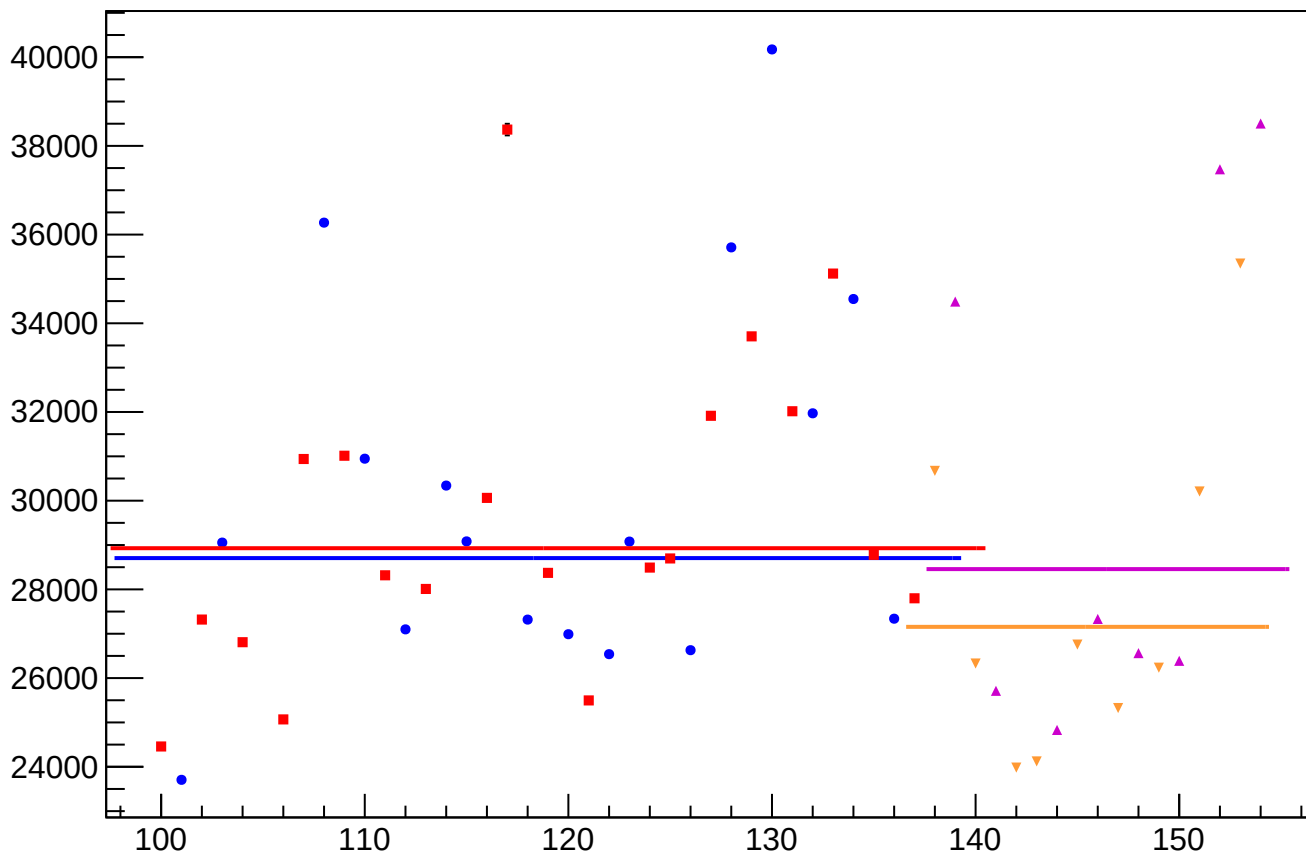
Right Out: 9.773 ± 10.870 χ^2/NDF : 20.1/19

Left In: -3.650 ± 11.287 χ^2/NDF : 4.4/7

0.316 ± 7.744 χ^2/NDF : 27.3/25

3.314 ± 7.829 χ^2/NDF : 25.2/27

diff_bpm12X_rms vs Slug



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

Left Out: 27155.250+/-7.575 χ^2/NDF :167771.2/8

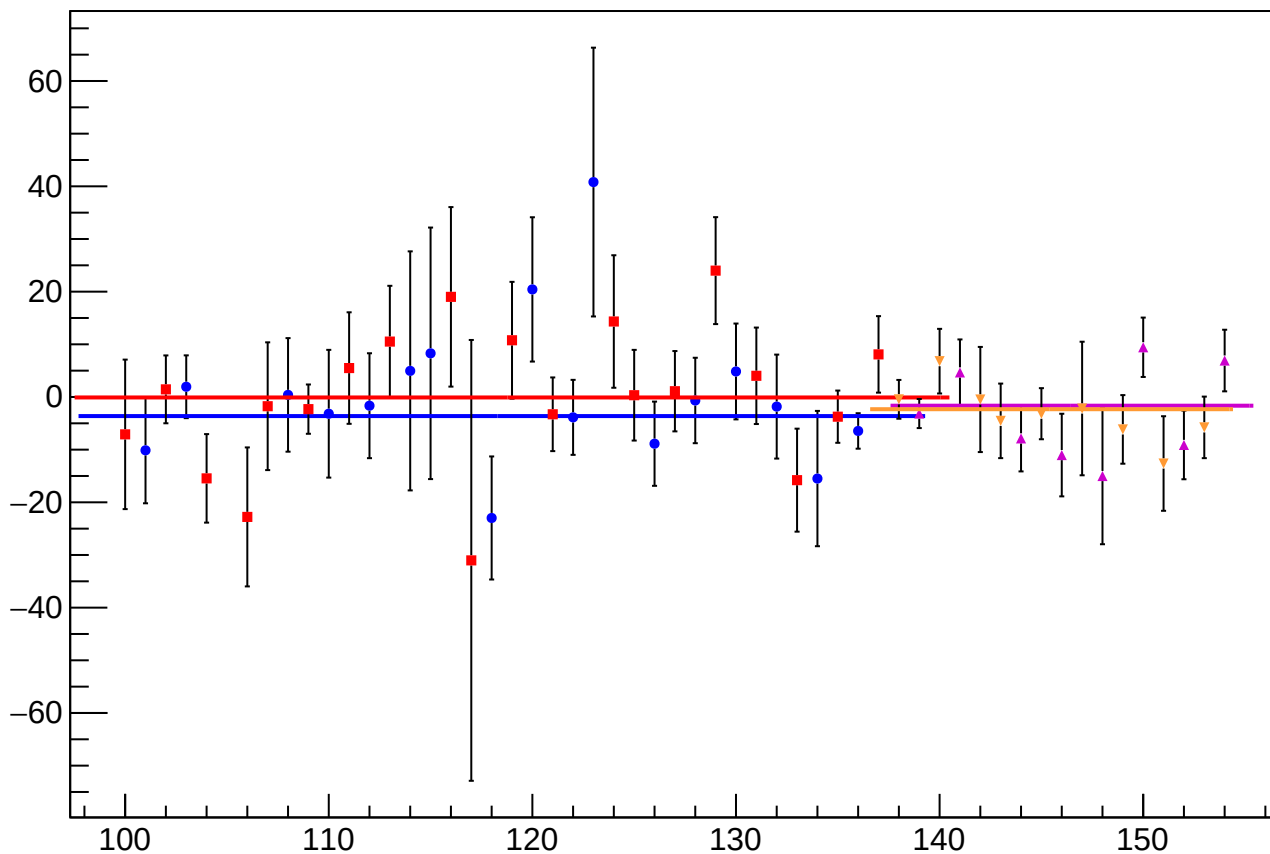
Right Out: 28928.520+/-7.686 χ^2/NDF : 116482.4/19

Left In: 28457.289+/-7.981 χ^2/NDF :328639.2/7

27895.410+/-5.476 χ^2/NDF : 438762.6/25

28701.758+/-5.536 χ^2/NDF : 446930.3/27

diff_bpm12Y_mean vs Slug



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

Left Out: -2.321 ± 2.024 $\chi^2/\text{NDF}: 4.6/8$

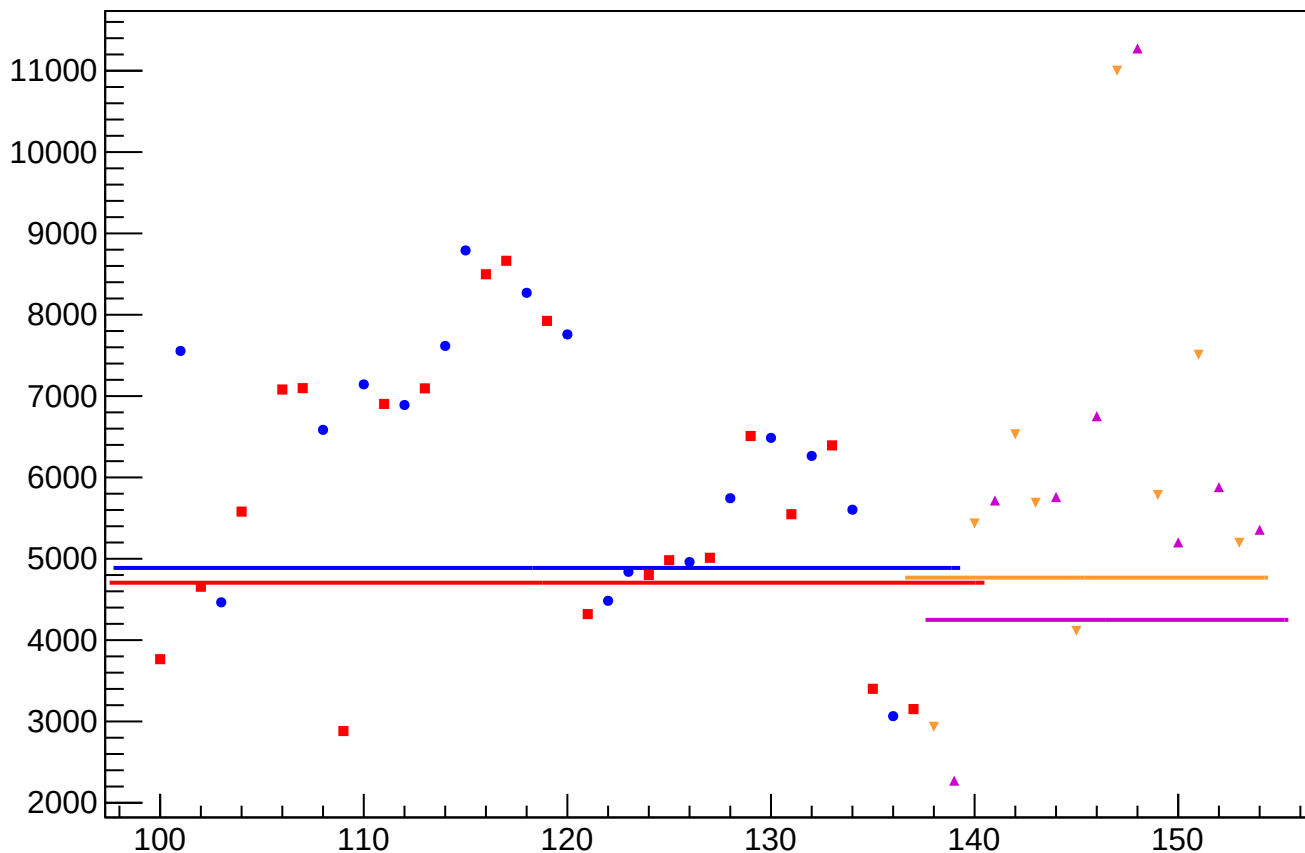
Right Out: -0.090 ± 1.888 $\chi^2/\text{NDF}: 22.6/19$

Left In: -1.653 ± 1.862 $\chi^2/\text{NDF}: 12.1/7$

-2.979 ± 1.425 $\chi^2/\text{NDF}: 18.6/25$

-0.883 ± 1.326 $\chi^2/\text{NDF}: 35.1/27$

diff_bpm12Y_rms vs Slug



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

Left Out: 4768.279+/-1.431 χ^2/NDF :1380517.2/8

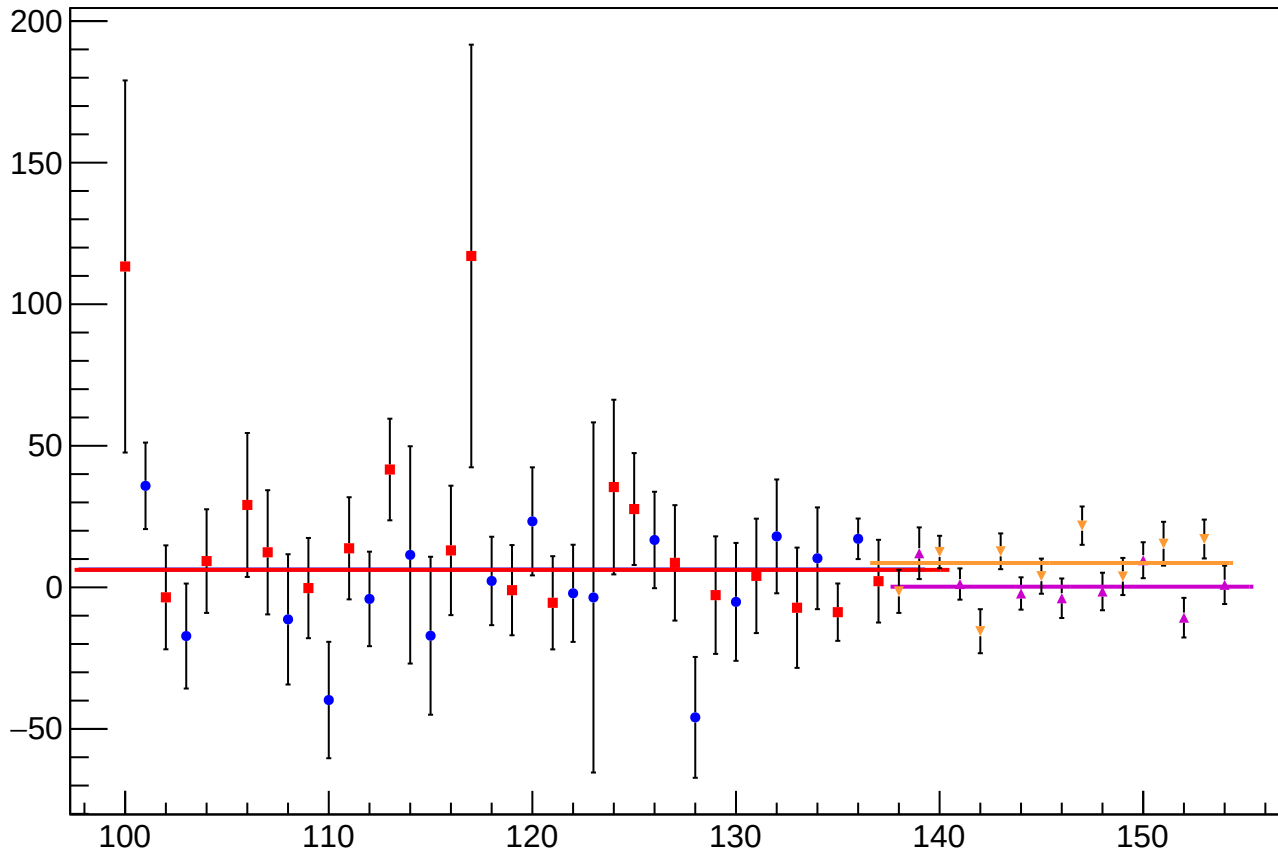
Right Out: 4705.797+/-1.335 χ^2/NDF : 1331043.3/19

Left In: 4249.035+/-1.316 χ^2/NDF :2297020.4/7

4828.418+/-1.007 χ^2/NDF : 2793316.1/25

4474.197+/-0.937 χ^2/NDF : 3687416.2/27

diff_bpm16X_mean vs Slug



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

Left Out: 8.613 ± 2.245 $\chi^2/\text{NDF}: 19.4/8$

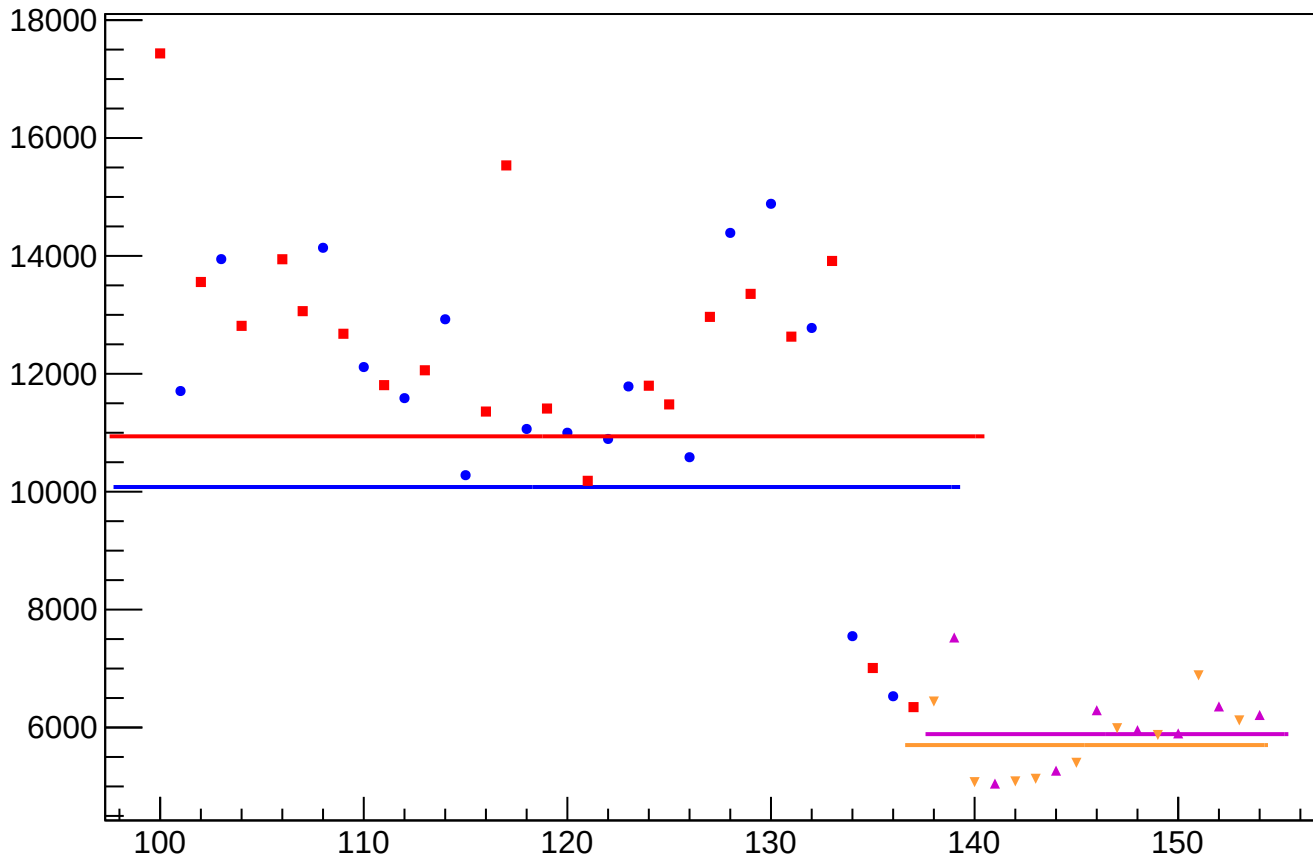
Right Out: 6.182 ± 4.212 $\chi^2/\text{NDF}: 16.0/19$

Left In: 0.234 ± 2.320 $\chi^2/\text{NDF}: 6.9/7$

8.069 ± 1.965 $\chi^2/\text{NDF}: 42.2/25$

1.619 ± 2.032 $\chi^2/\text{NDF}: 24.5/27$

diff_bpm16X_rms vs Slug



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

Left Out: 5701.951 ± 1.587 χ^2/NDF : 135864.8/8

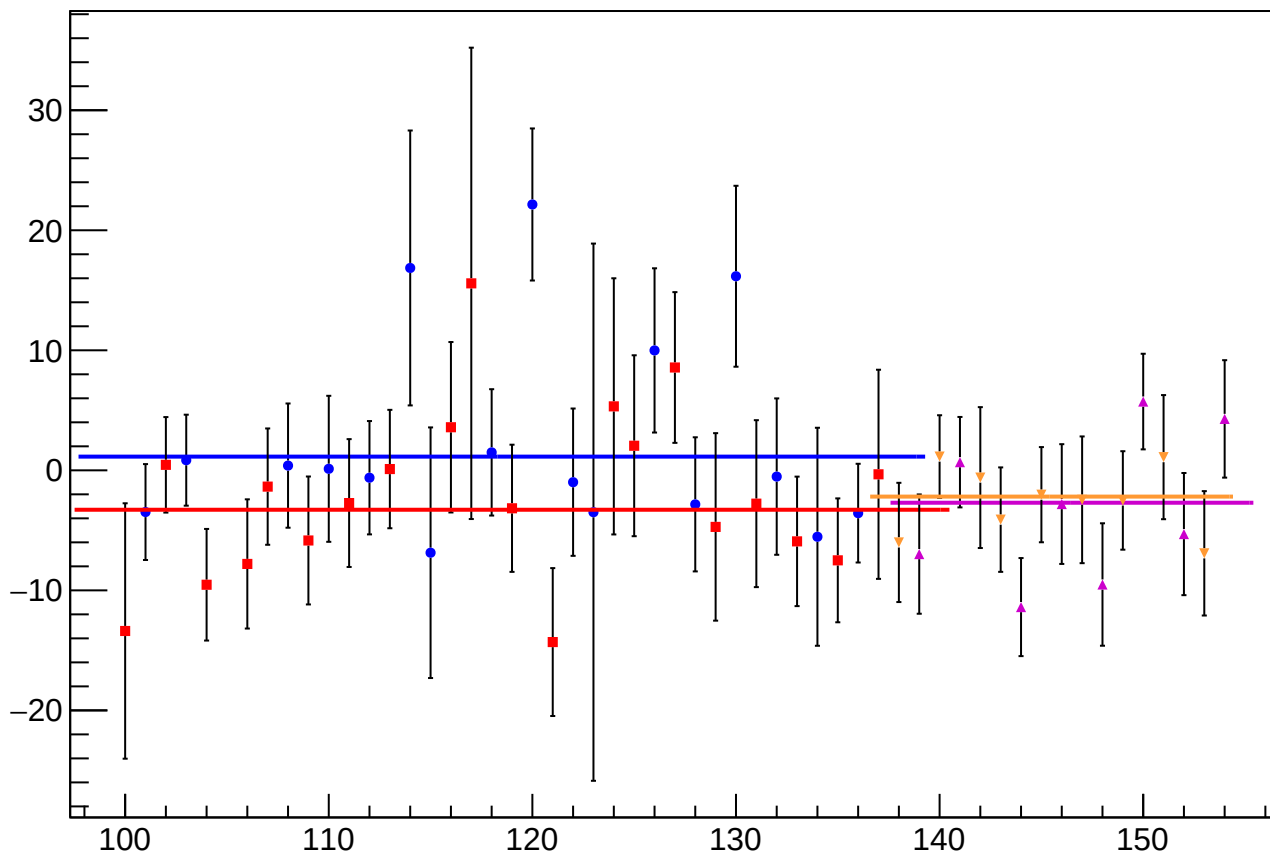
Right Out: 10939.227 ± 2.979 χ^2/NDF : 776055.3/19

Left In: 5887.505 ± 1.641 χ^2/NDF : 154871.8/7

6725.295 ± 1.389 χ^2/NDF : 2908439.7/25

7063.436 ± 1.437 χ^2/NDF : 3137807.3/27

diff_bpm16Y_mean vs Slug



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

Left Out: -2.188 ± 1.507 χ^2/NDF : 3.0/8

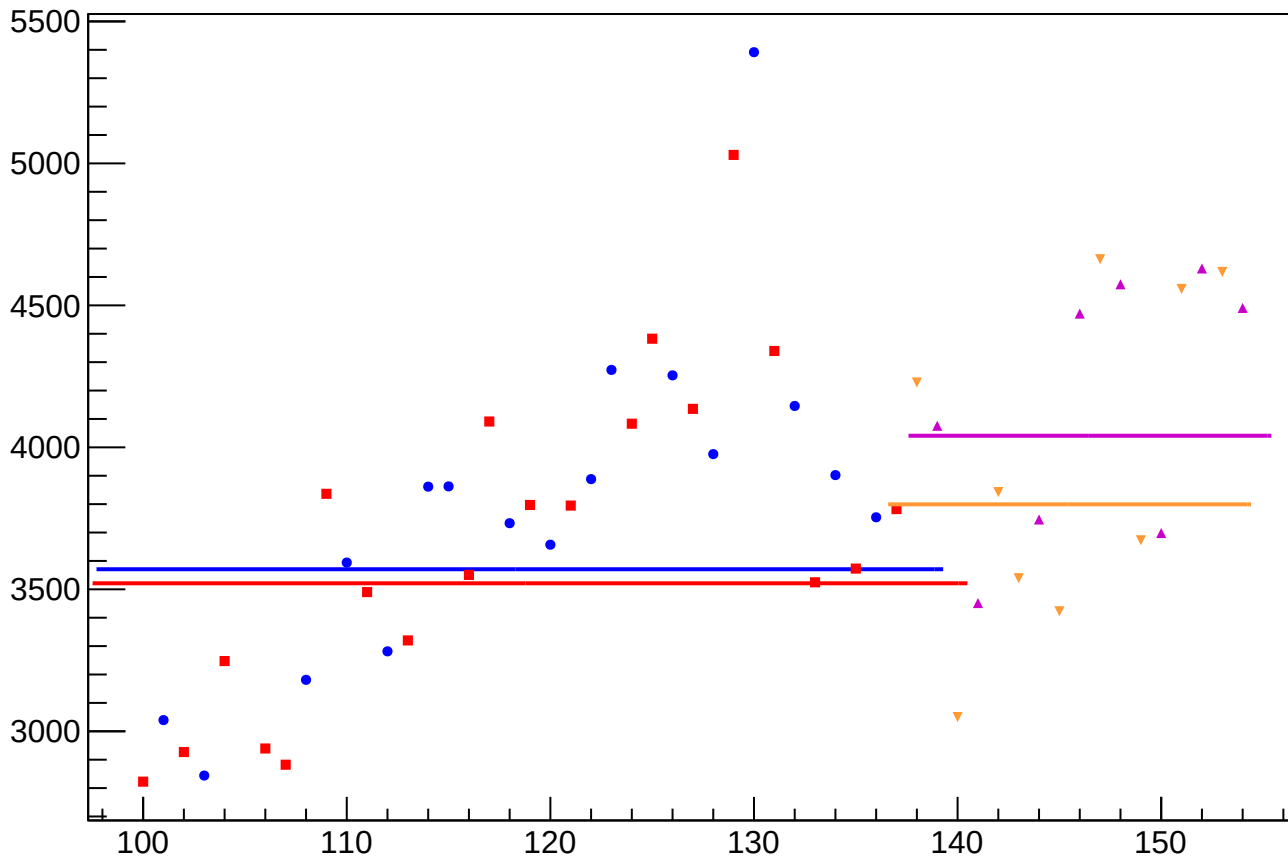
Right Out: -3.284 ± 1.330 χ^2/NDF : 16.0/19

Left In: -2.700 ± 1.595 χ^2/NDF : 14.6/7

-0.395 ± 1.024 χ^2/NDF : 28.9/25

-3.045 ± 1.022 χ^2/NDF : 30.7/27

diff_bpm16Y_rms vs Slug



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

Left Out: 3799.249 ± 1.065 χ^2/NDF : 283353.5/8

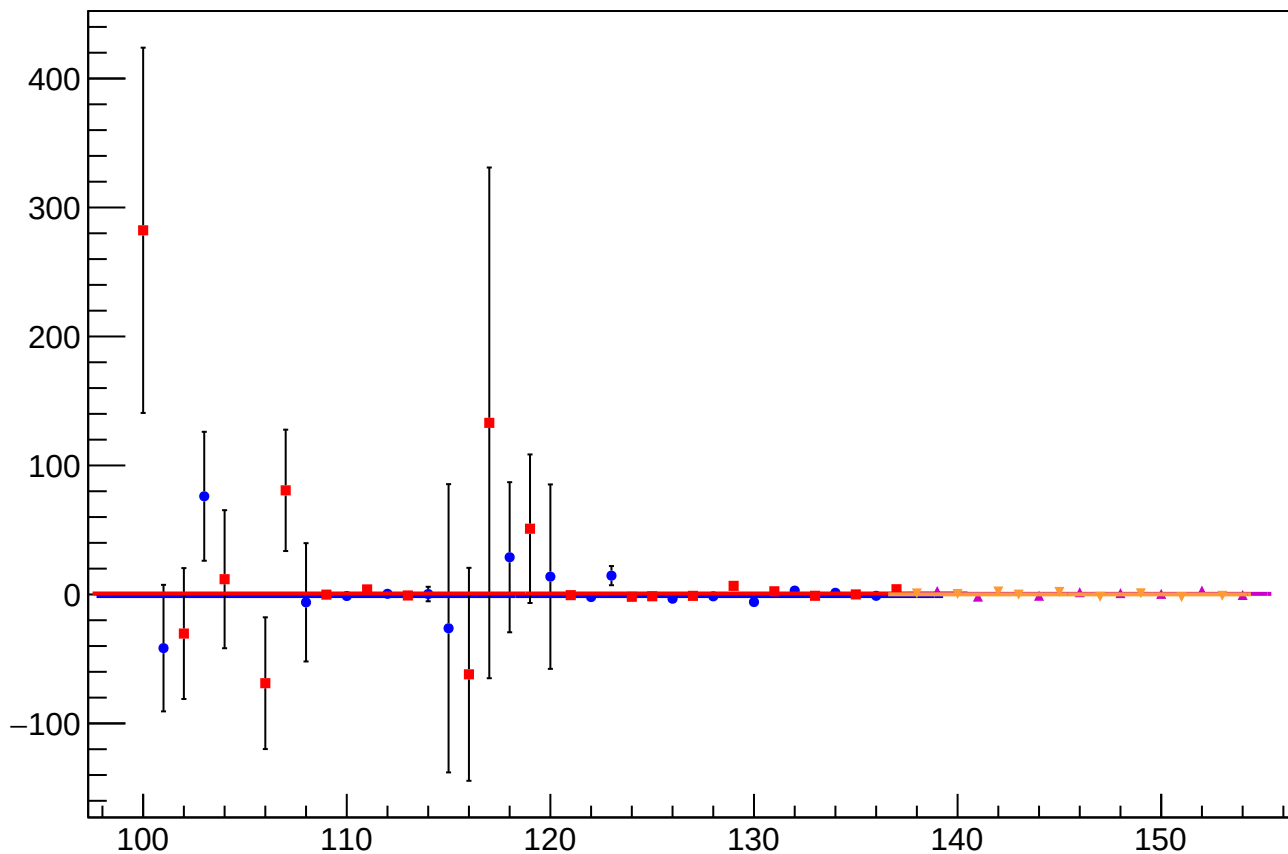
Right Out: 3521.247 ± 0.941 χ^2/NDF : 294919.2/19

Left In: 4040.853 ± 1.128 χ^2/NDF : 154738.9/7

3676.202 ± 0.724 χ^2/NDF : 617692.9/25

3734.335 ± 0.722 χ^2/NDF : 574828.5/27

diff_bpm1p02bX_mean vs Slug



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

Left Out: 0.061 ± 0.414 χ^2/NDF : 11.3/8

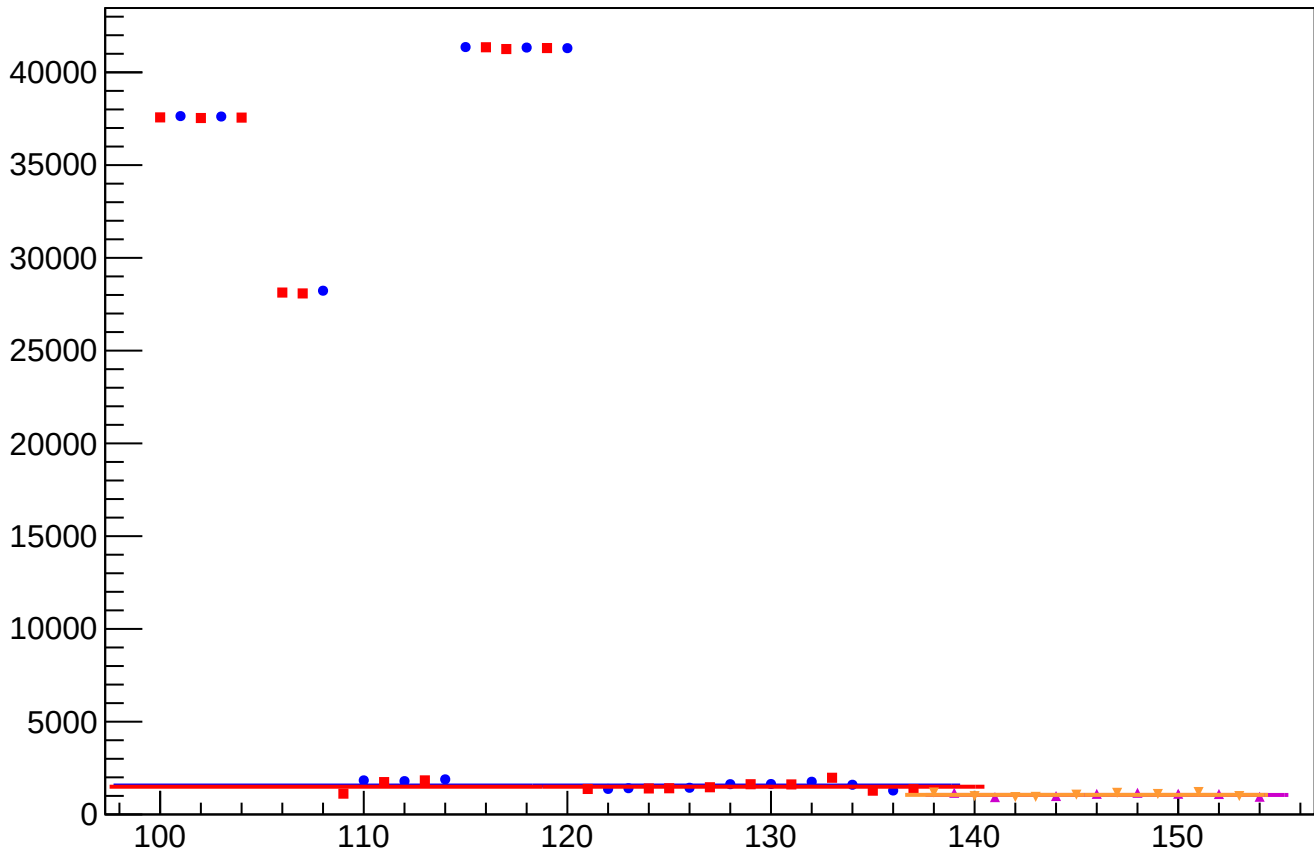
Right Out: 0.735 ± 0.710 χ^2/NDF : 22.5/19

Left In: 0.450 ± 0.414 χ^2/NDF : 15.1/7

-0.249 ± 0.362 χ^2/NDF : 30.0/25

0.522 ± 0.357 χ^2/NDF : 37.8/27

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1056.135+/-0.293 χ^2/NDF :105133.5/8

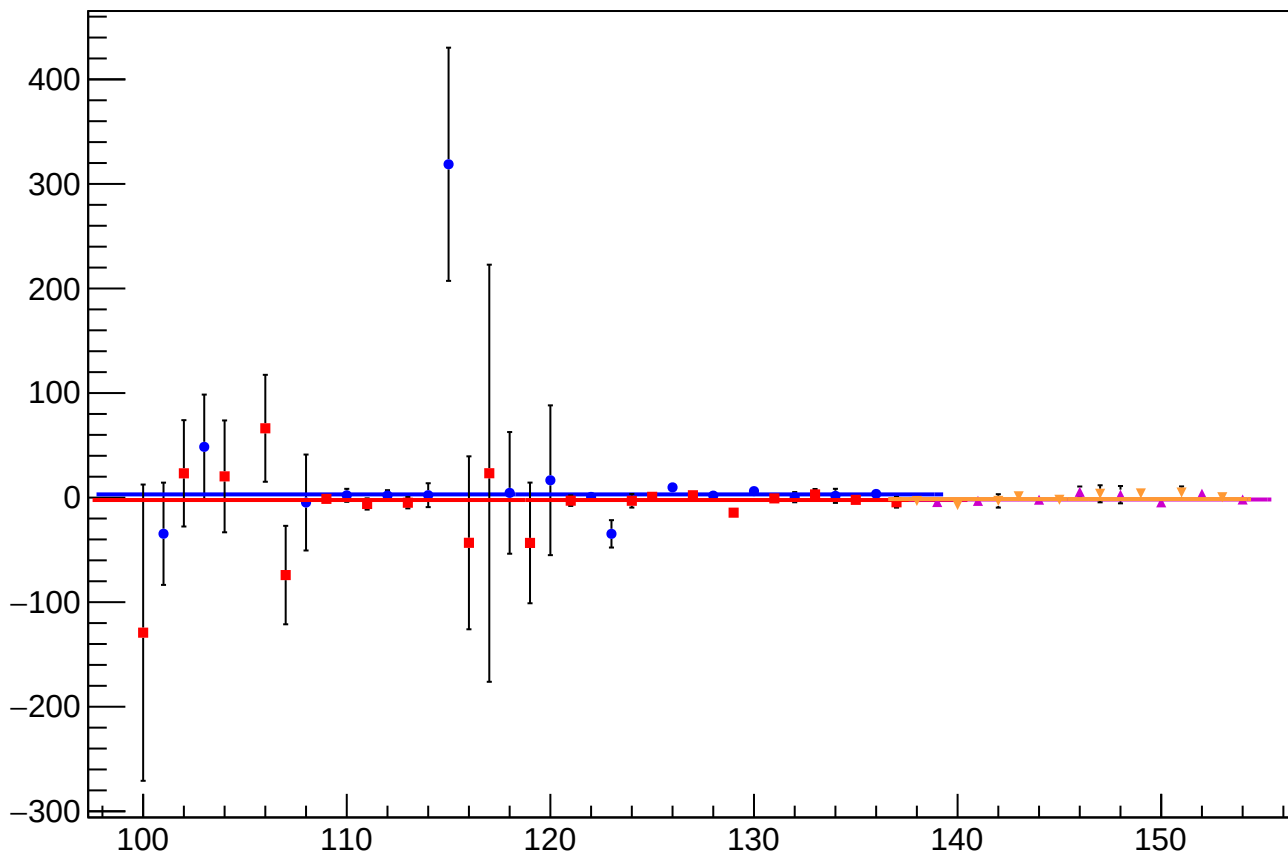
1174.259+/-0.256 χ^2/NDF : 5550613.1/25

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

1163.425+/-0.253 χ^2/NDF : 5650702.9/27

Left In: 1050.961+/-0.292 χ^2/NDF :93048.6/7

diff_bpm1p02bY_mean vs Slug



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

Left Out: -1.379 ± 1.316 χ^2/NDF : 6.4/8

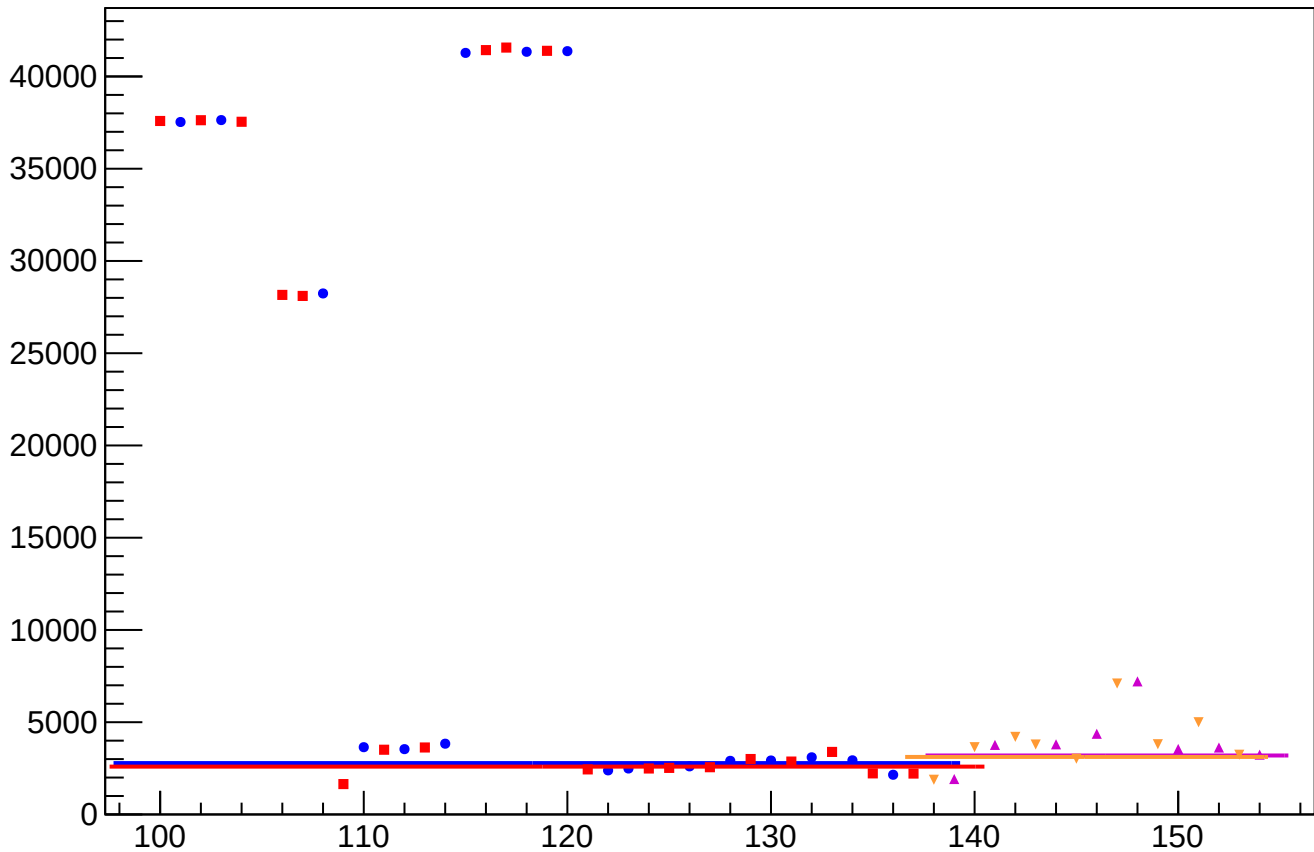
Right Out: -2.305 ± 1.235 χ^2/NDF : 16.9/19

Left In: -1.813 ± 1.338 χ^2/NDF : 5.9/7

0.836 ± 0.933 χ^2/NDF : 33.9/25

-2.079 ± 0.907 χ^2/NDF : 22.9/27

diff_bpm1p02bY_rms vs Slug



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

Left Out: 3117.643+/-0.930 χ^2/NDF : 1464368.6/8

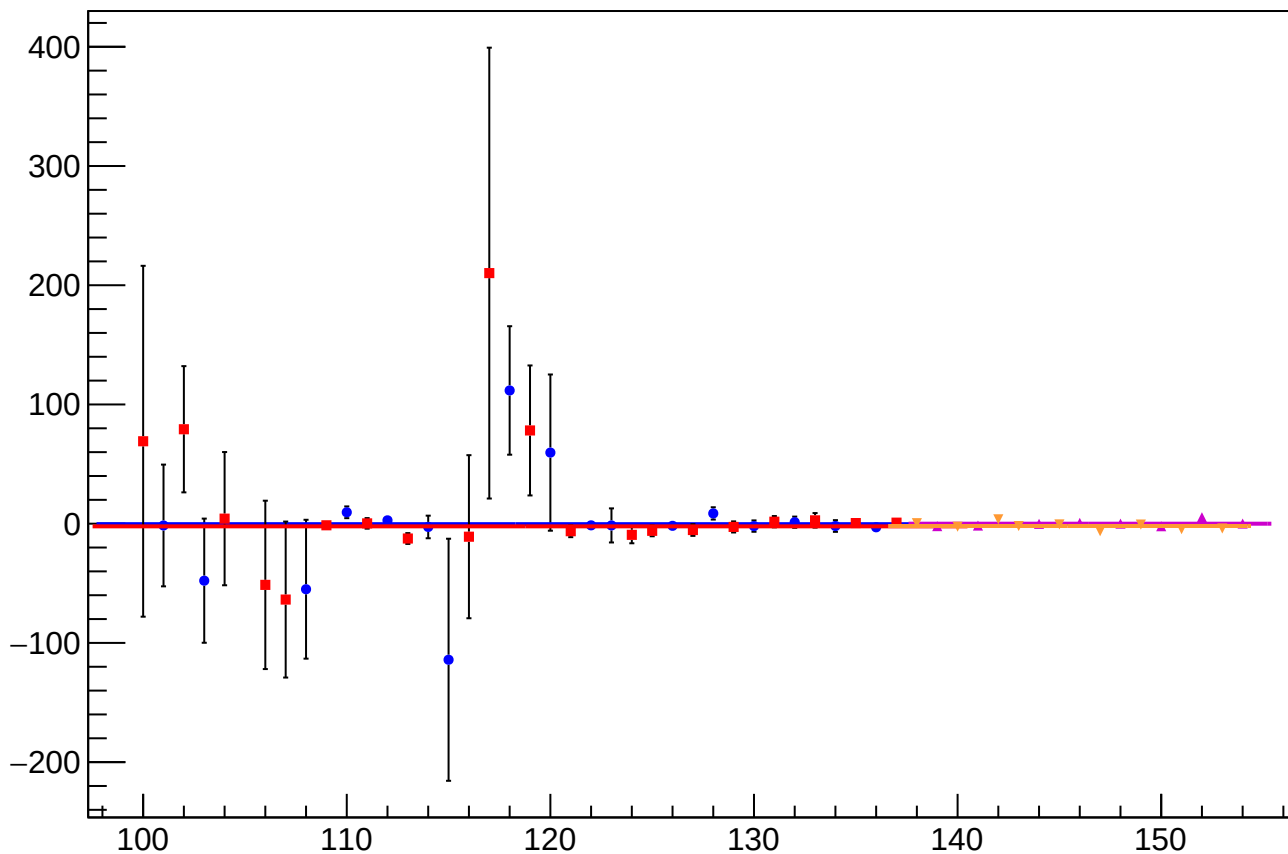
Right Out: 2592.654+/-0.873 χ^2/NDF : 4923077.9/19

Left In: 3195.882+/-0.946 χ^2/NDF : 1281297.1/7

2951.742+/-0.660 χ^2/NDF : 6105727.1/25

2870.061+/-0.642 χ^2/NDF : 6423980.4/27

diff_bpm1p03aX_mean vs Slug



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

Left Out: -1.944 ± 0.638 χ^2/NDF : 16.5/8

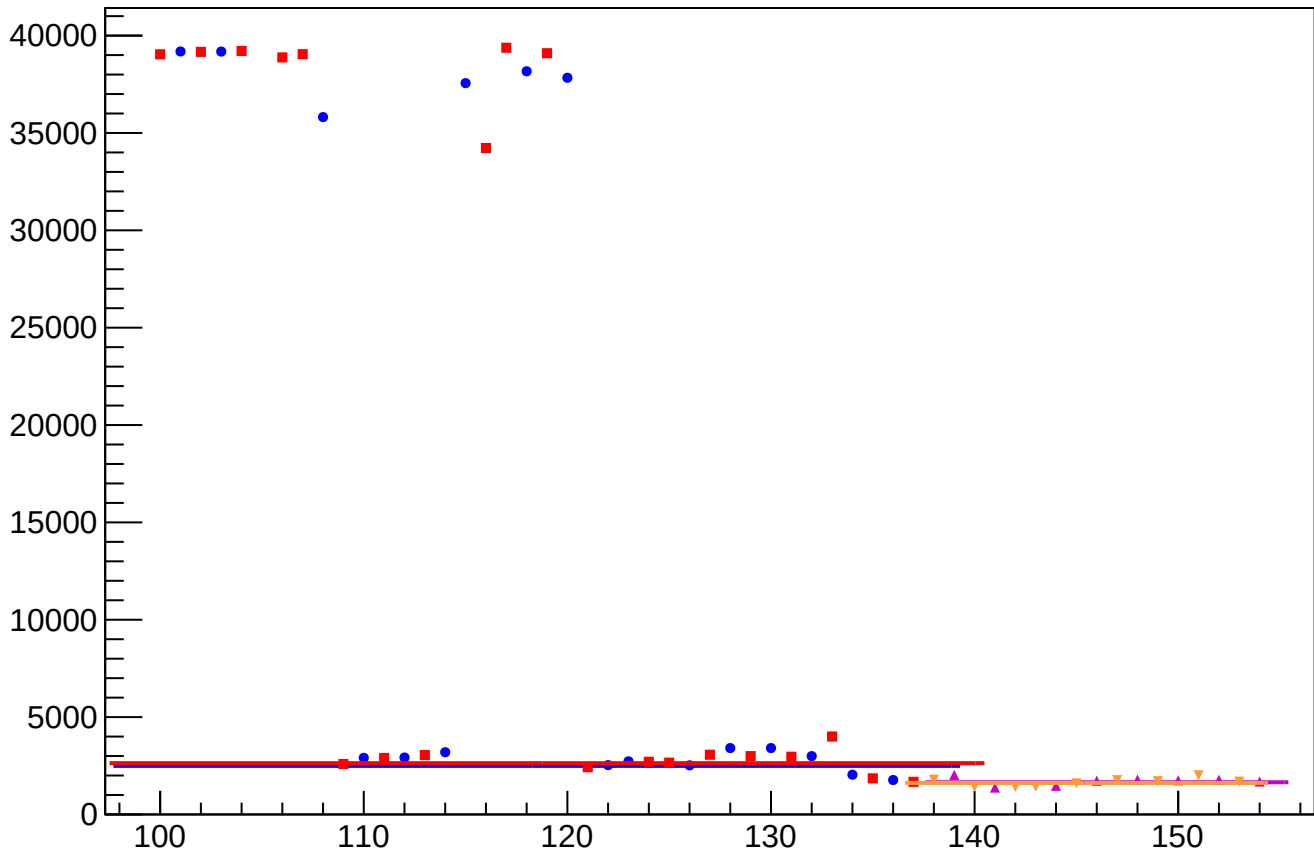
Right Out: -2.235 ± 1.246 χ^2/NDF : 18.7/19

Left In: -0.011 ± 0.652 χ^2/NDF : 10.8/7

-1.612 ± 0.565 χ^2/NDF : 36.0/25

-0.490 ± 0.578 χ^2/NDF : 32.0/27

diff_bpm1p03aX_rms vs Slug



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

Left Out: 1621.110+/-0.451 χ^2/NDF : 160912.1/8

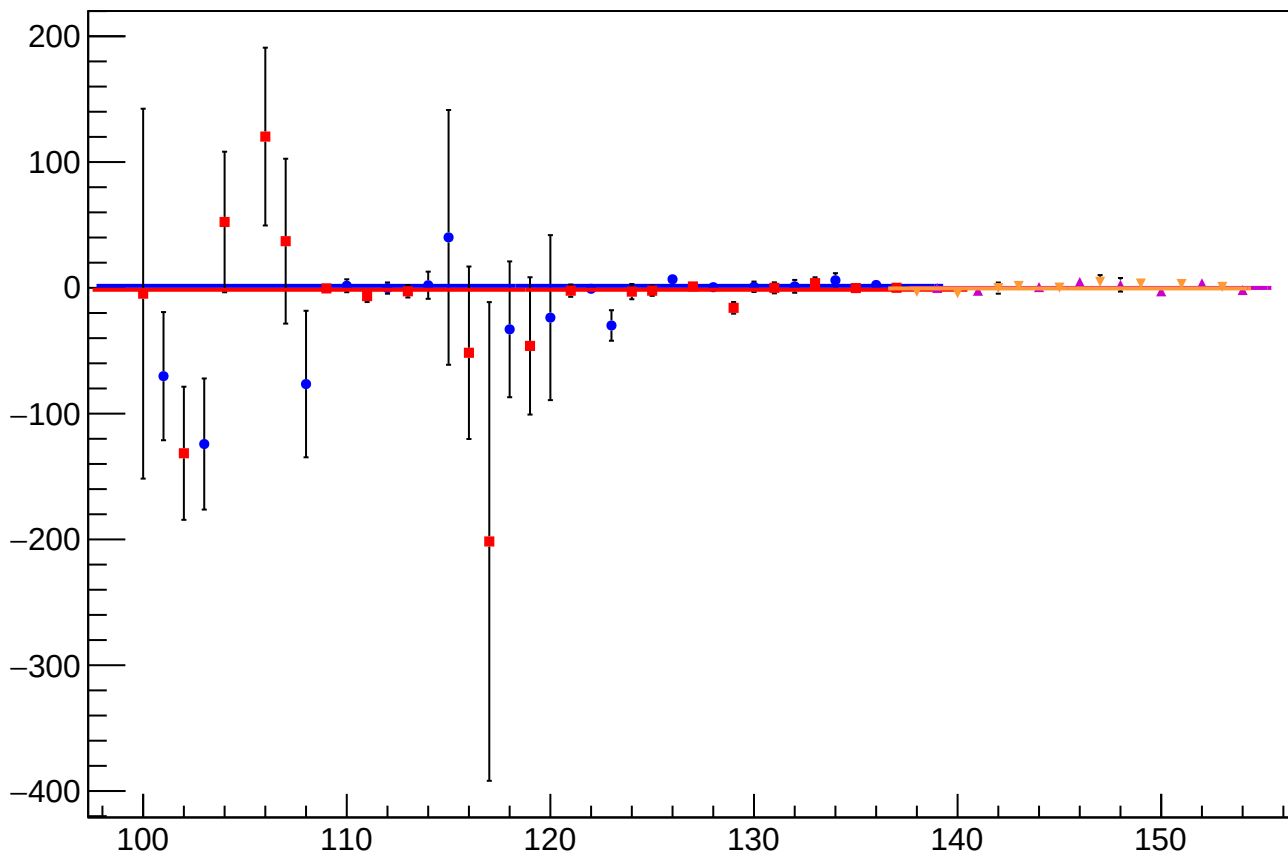
1809.436+/-0.400 χ^2/NDF : 5852422.0/25

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

1864.856+/-0.409 χ^2/NDF : 6076012.4/27

Left In: 1653.719+/-0.461 χ^2/NDF : 166618.9/7

diff_bpm1p03aY_mean vs Slug



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

Left Out: -0.462+/-0.893 χ^2/NDF : 9.1/8

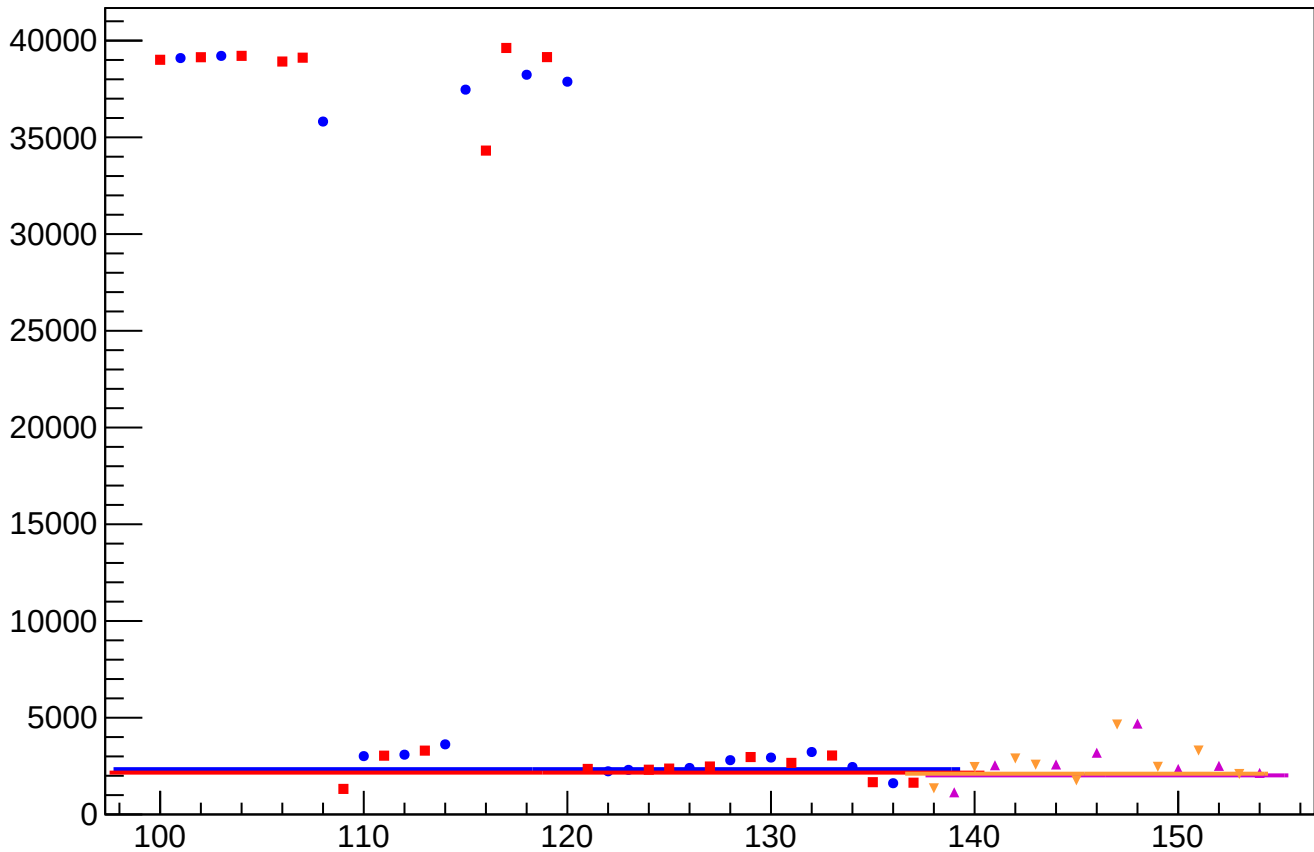
Right Out: -1.530+/-1.062 χ^2/NDF : 26.1/19

Left In: -0.069+/-0.863 χ^2/NDF : 5.9/7

0.310+/-0.704 χ^2/NDF : 31.4/25

-0.650+/-0.670 χ^2/NDF : 33.2/27

diff_bpm1p03aY_rms vs Slug



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

Left Out: 2107.220+/-0.631 χ^2/NDF :1254608.1/8

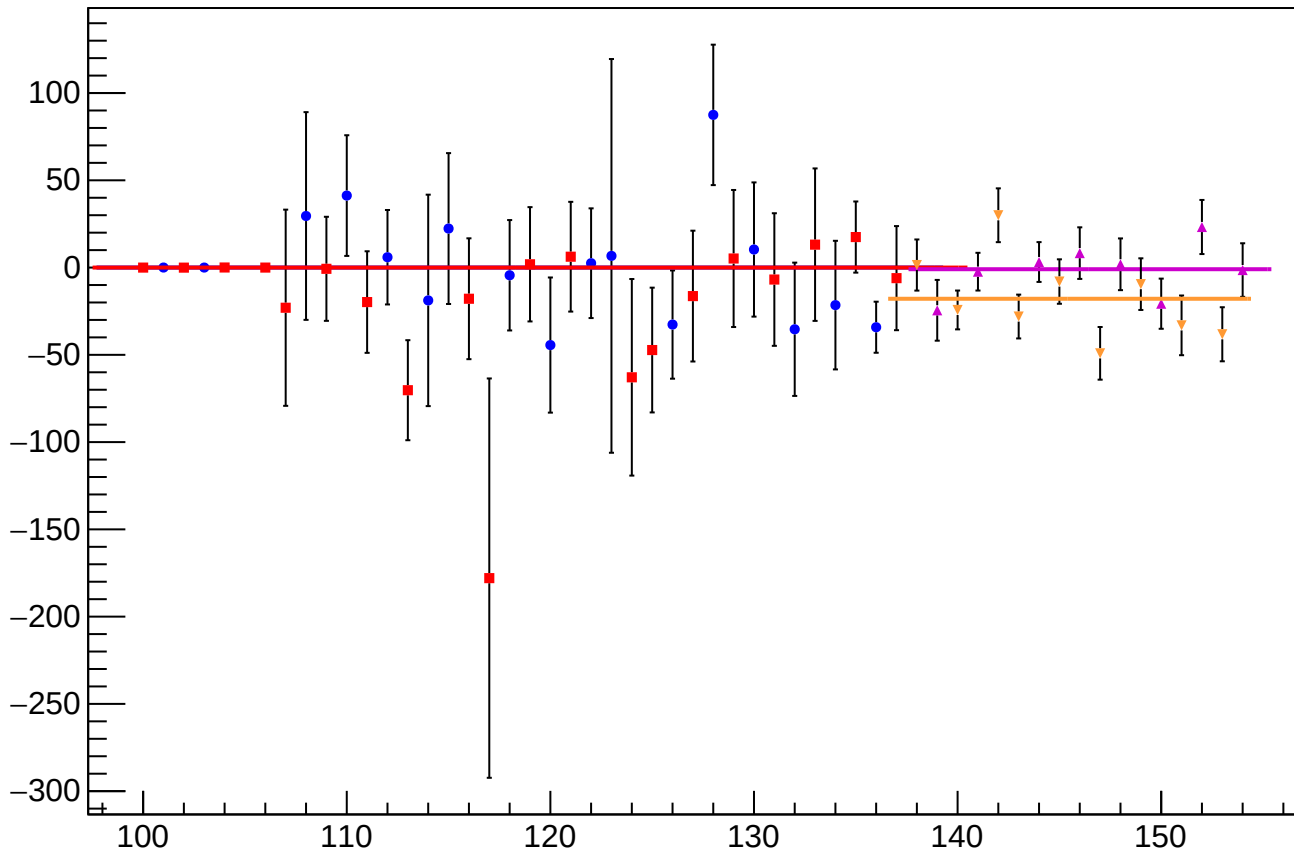
Right Out: 2162.329+/-0.751 χ^2/NDF : 5376569.5/19

Left In: 2020.102+/-0.610 χ^2/NDF :1741828.1/7

2195.852+/-0.497 χ^2/NDF : 6313498.4/25

2076.676+/-0.474 χ^2/NDF : 7139995.0/27

diff_cav4bX_mean vs Slug



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

Left Out: -17.875 ± 4.662 χ^2/NDF : 20.1/8

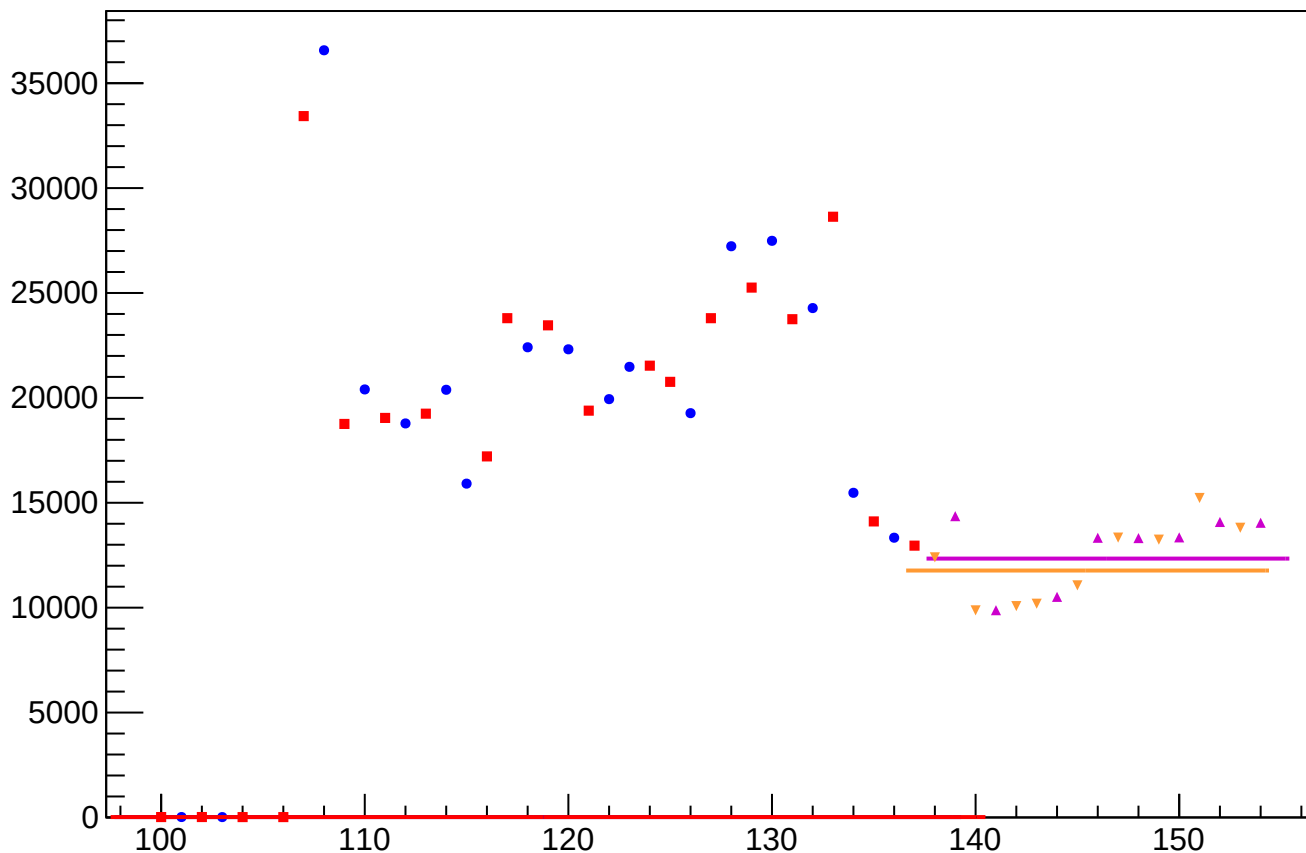
Right Out: 0.003 ± 0.016 χ^2/NDF : 18.3/19

Left In: -0.942 ± 4.884 χ^2/NDF : 6.7/7

0.013 ± 0.017 χ^2/NDF : 51.0/25

0.003 ± 0.016 χ^2/NDF : 25.1/27

diff_cav4bX_rms vs Slug



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

Left Out: 11770.359+/-3.297 χ^2/NDF : 281990.3/8

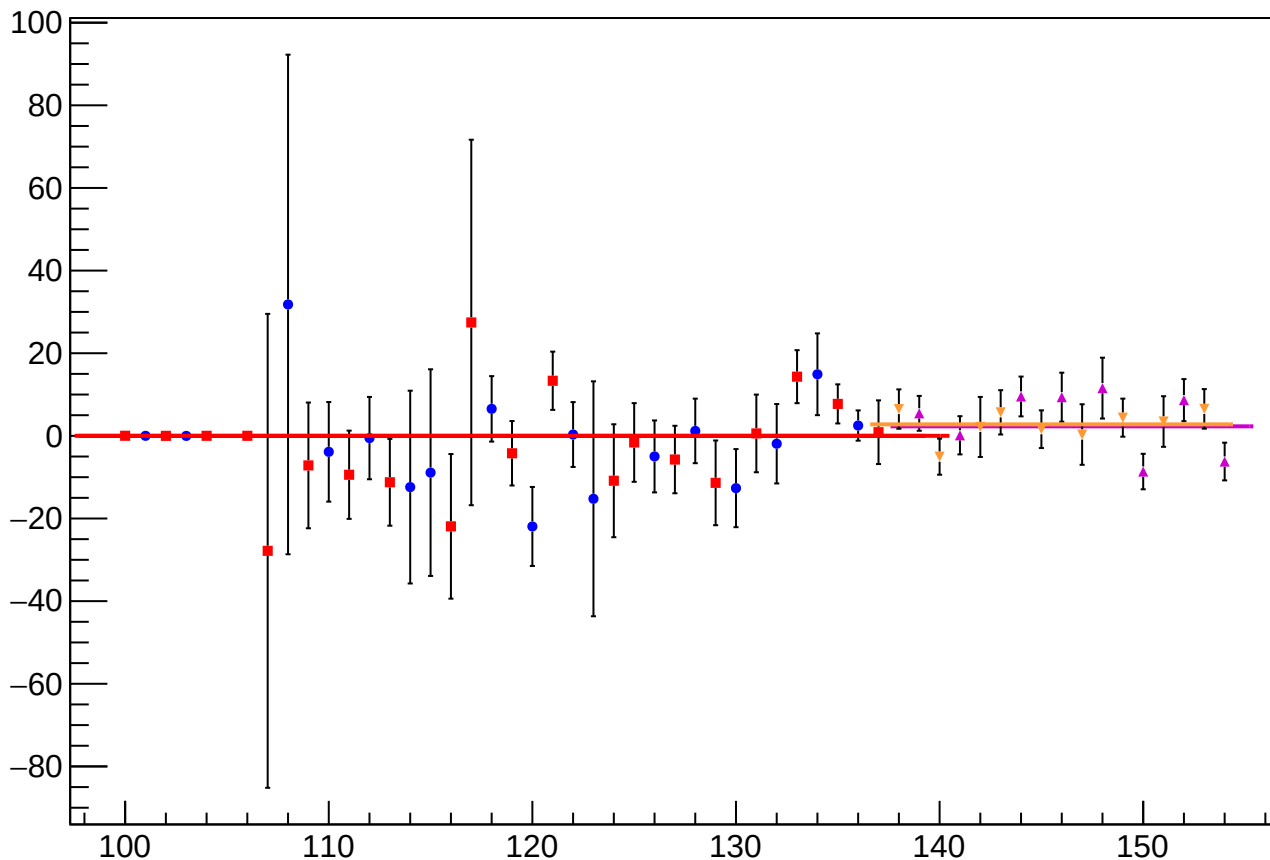
Right Out: 18.312+/-0.011 χ^2/NDF : 11197081.8/19

Left In: 12339.186+/-3.453 χ^2/NDF : 259524.1/7

18.804+/-0.012 χ^2/NDF : 23974115.2/25

18.445+/-0.011 χ^2/NDF : 24186121.0/27

diff_cav4bY_mean vs Slug



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

Left Out: 2.783+/-1.730 χ^2/NDF : 5.0/8

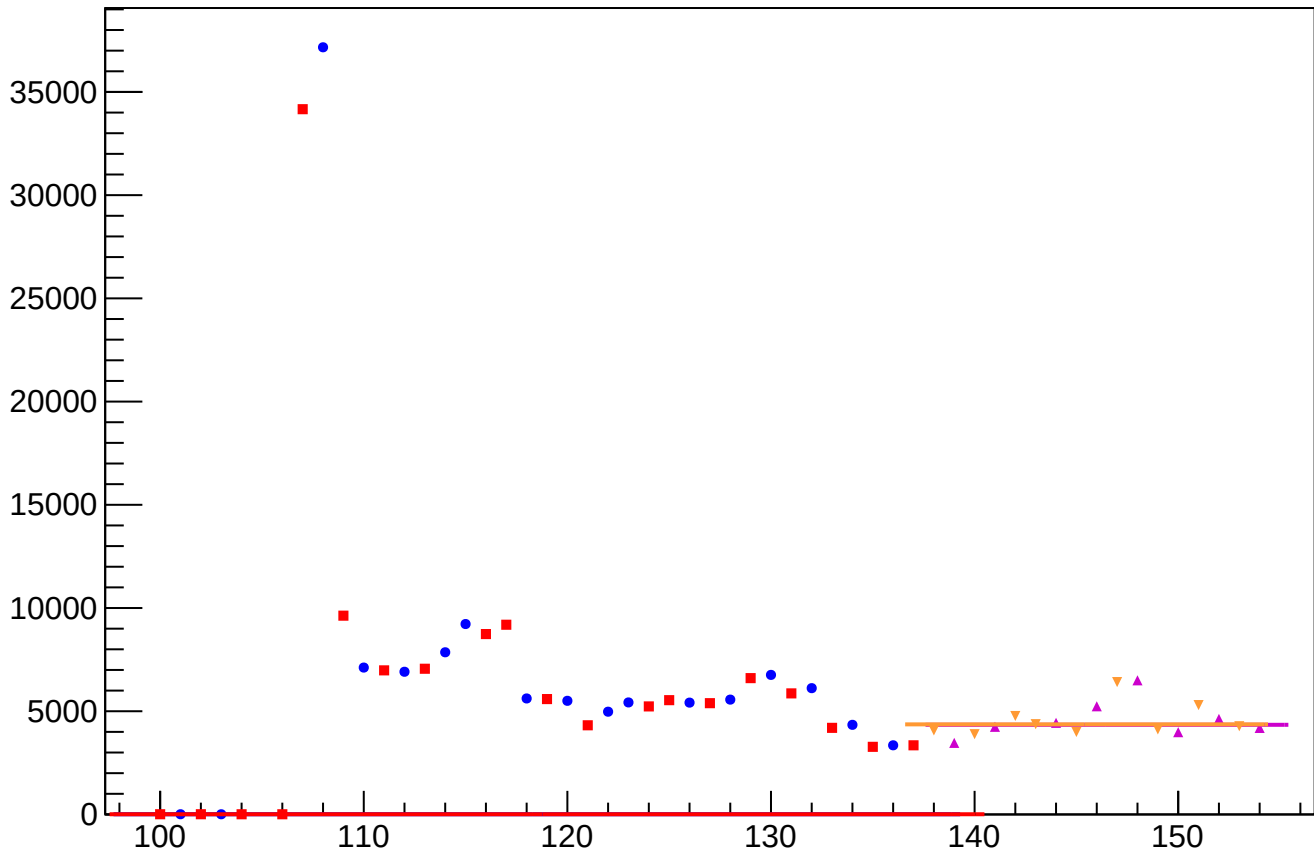
Right Out: 0.014+/-0.009 χ^2/NDF : 19.0/19

Left In: 2.305+/-1.731 χ^2/NDF : 17.6/7

0.001+/-0.009 χ^2/NDF : 20.6/25

0.014+/-0.009 χ^2/NDF : 38.3/27

diff_cav4bY_rms vs Slug



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

Left Out: 4364.032+/-1.223 χ^2/NDF :259769.6/8

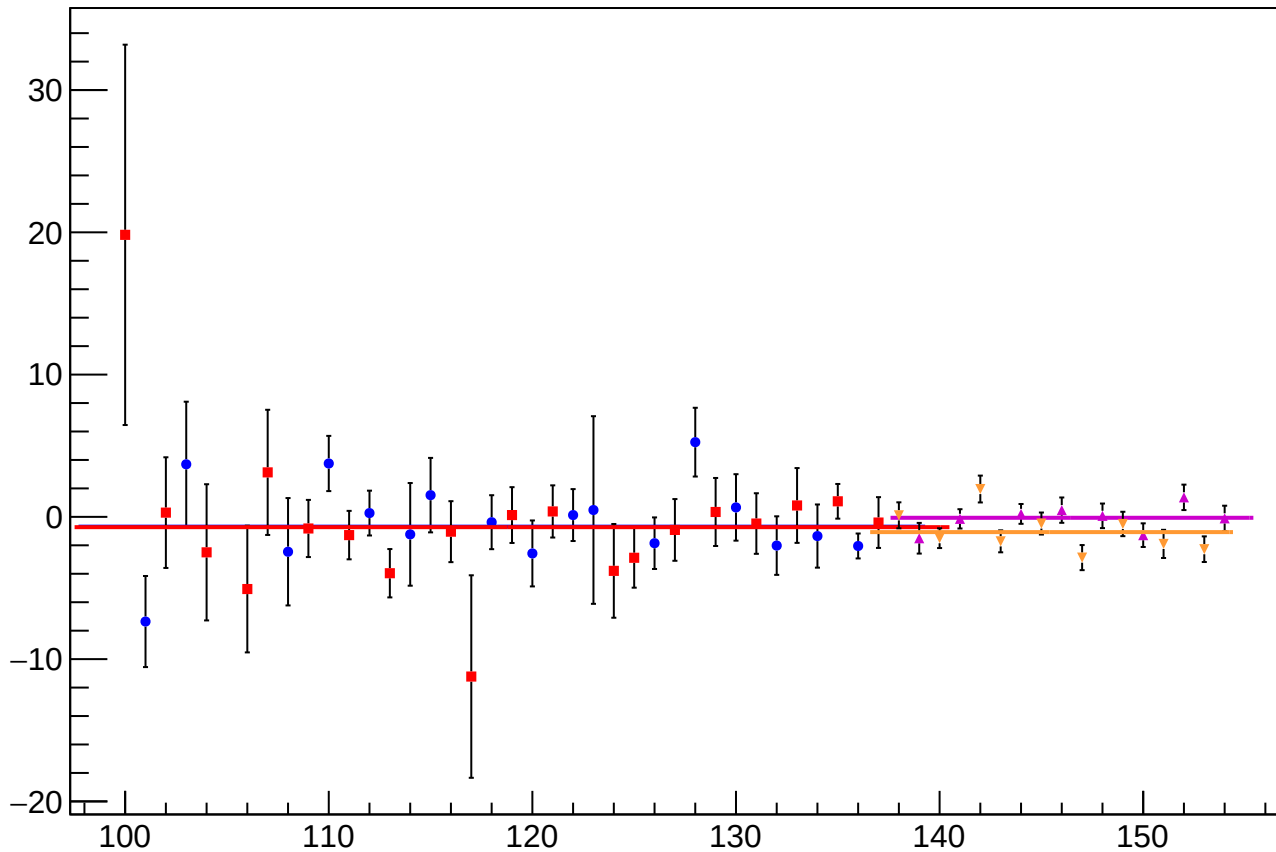
Right Out: 9.855+/-0.006 χ^2/NDF : 11246160.9/19

Left In: 4342.806+/-1.224 χ^2/NDF :327228.2/7

10.062+/-0.007 χ^2/NDF : 24042081.1/25

9.963+/-0.006 χ^2/NDF : 24108435.7/27

diff_cav4cX_mean vs Slug



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

Left Out: -1.071 ± 0.281 χ^2/NDF : 20.7/8

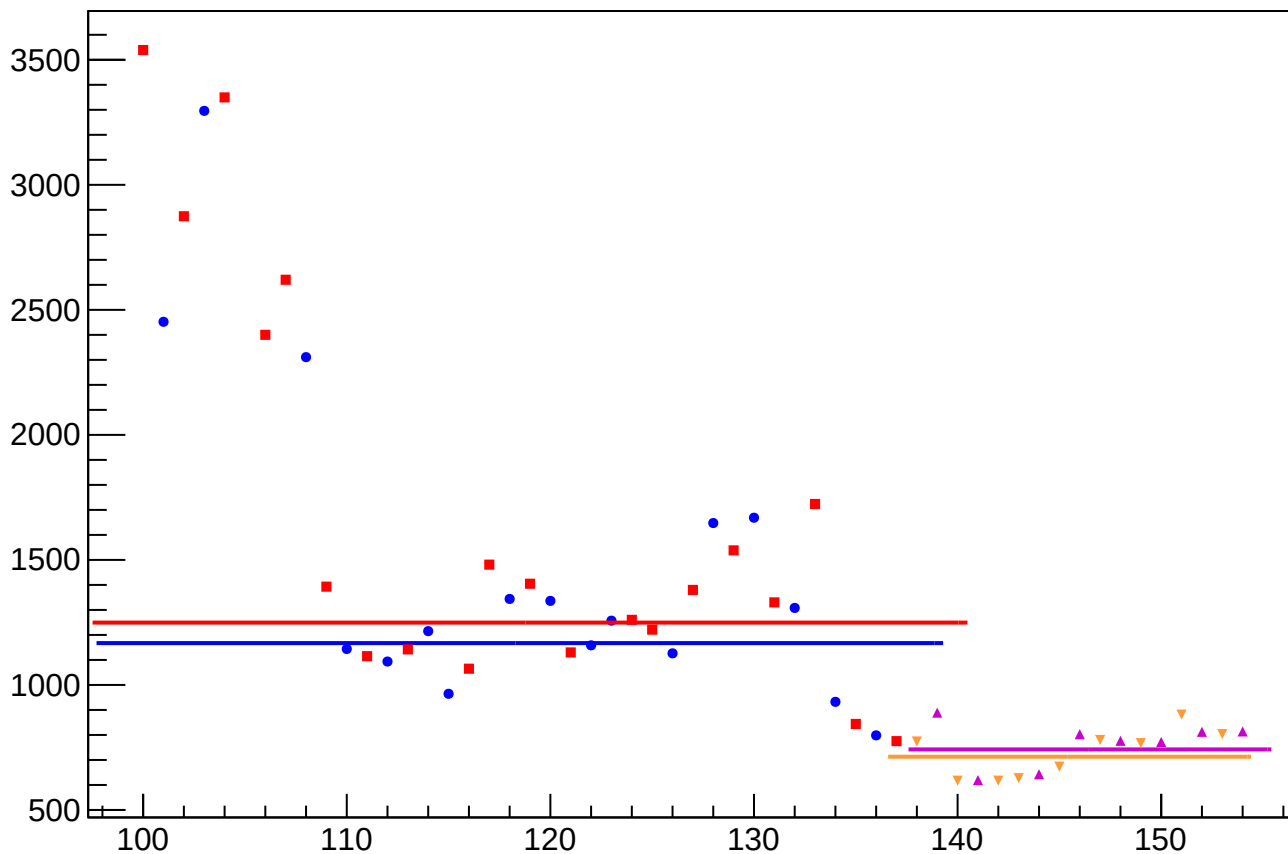
Right Out: -0.724 ± 0.499 χ^2/NDF : 15.5/19

Left In: -0.065 ± 0.293 χ^2/NDF : 7.1/7

-0.974 ± 0.243 χ^2/NDF : 43.7/25

-0.234 ± 0.253 χ^2/NDF : 23.9/27

diff_cav4cX_rms vs Slug



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

Left Out: 713.013 $\pm$ 0.199 χ^2 /NDF: 194943.2/8

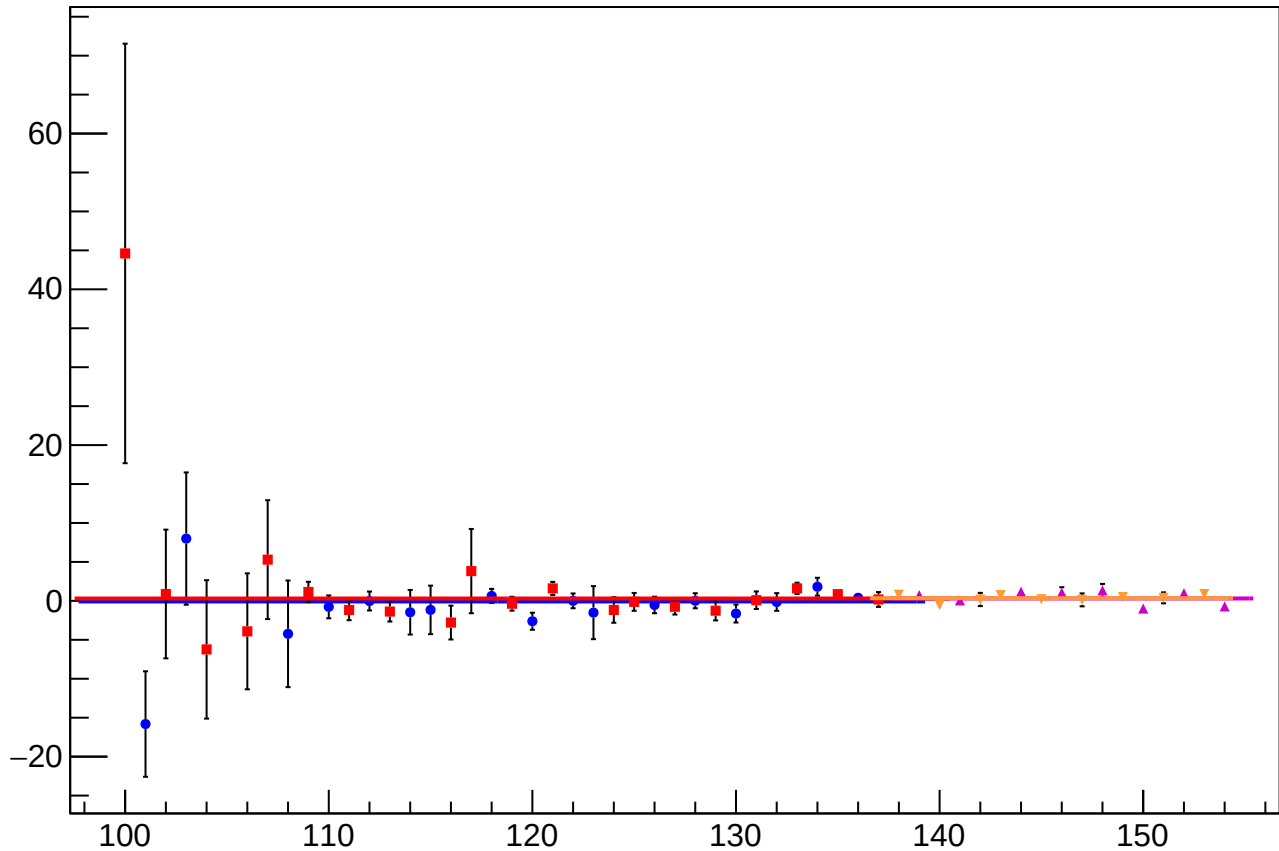
Right Out: 1249.388 $\pm$ 0.353 χ^2 /NDF: 1656159.5/19

Left In: 742.222 $\pm$ 0.207 χ^2 /NDF: 184109.2/7

828.355 $\pm$ 0.172 χ^2 /NDF: 3097985.0/25

871.940 $\pm$ 0.179 χ^2 /NDF: 3375108.7/27

diff_cav4cY_mean vs Slug



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

Left Out: 0.342 ± 0.204 χ^2/NDF : 5.1/8

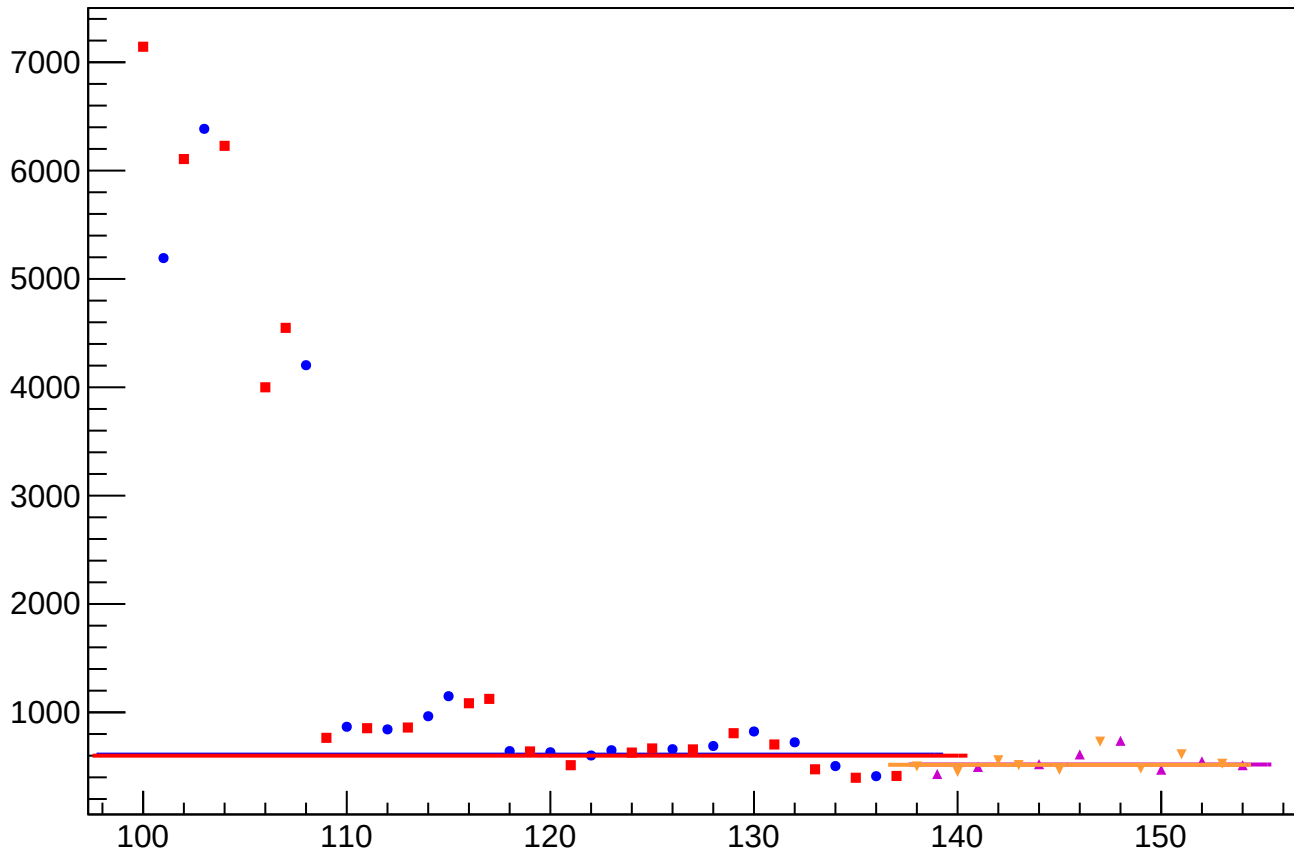
Right Out: 0.303 ± 0.264 χ^2/NDF : 20.7/19

Left In: 0.309 ± 0.206 χ^2/NDF : 17.1/7

0.190 ± 0.162 χ^2/NDF : 25.8/25

0.306 ± 0.162 χ^2/NDF : 37.8/27

diff_cav4cY_rms vs Slug



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

Left Out: 515.876 $\pm$ 0.144 χ^2 /NDF: 232617.9/8

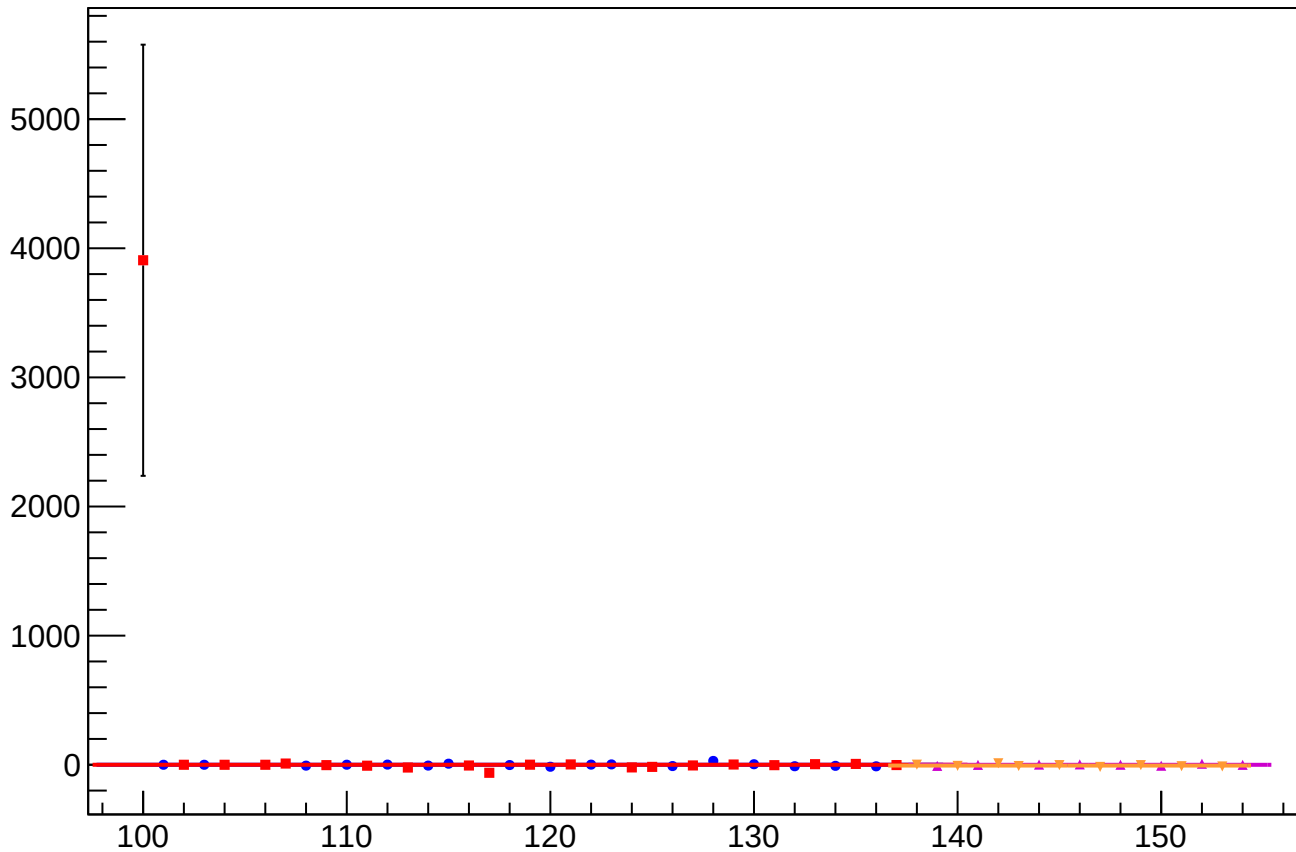
550.248 $\pm$ 0.115 χ^2 /NDF: 3523588.6/25

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

549.530 $\pm$ 0.115 χ^2 /NDF: 3946543.2/27

Left In: 518.563 $\pm$ 0.146 χ^2 /NDF: 256039.9/7

diff_cav4dX_mean vs Slug



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

Left Out: -6.179+/-1.633 χ^2 /NDF: 20.8/8

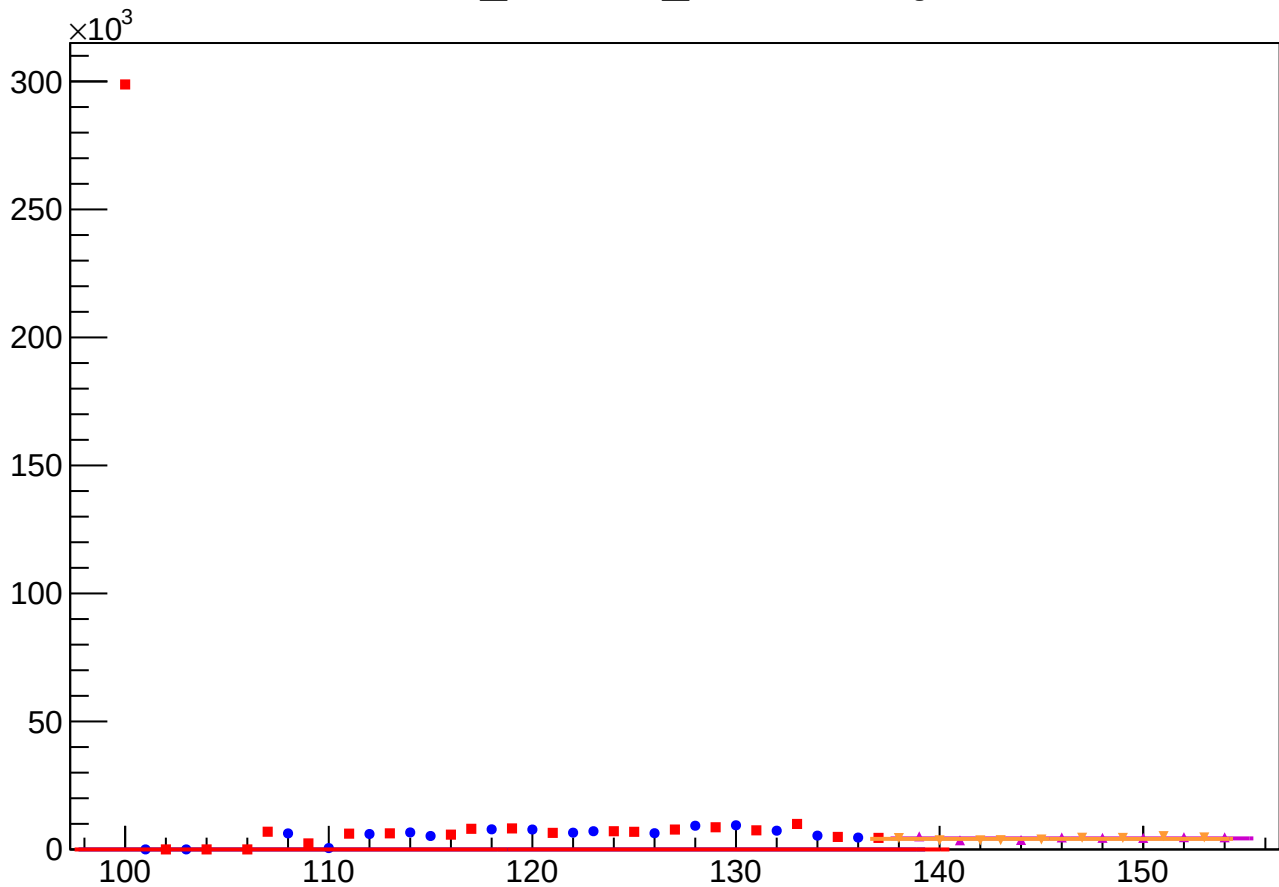
Right Out: -0.027+/-0.020 χ^2 /NDF: 20.5/19

Left In: -0.380+/-1.705 χ^2 /NDF: 7.0/7

-0.023+/-0.021 χ^2 /NDF: 50.7/25

-0.027+/-0.020 χ^2 /NDF: 27.5/27

diff_cav4dX_rms vs Slug



Right In: 17.341+/-0.015 χ^2/NDF : 10501445.0/16

Left Out: 4136.337+/-1.155 χ^2/NDF : 214488.0/8

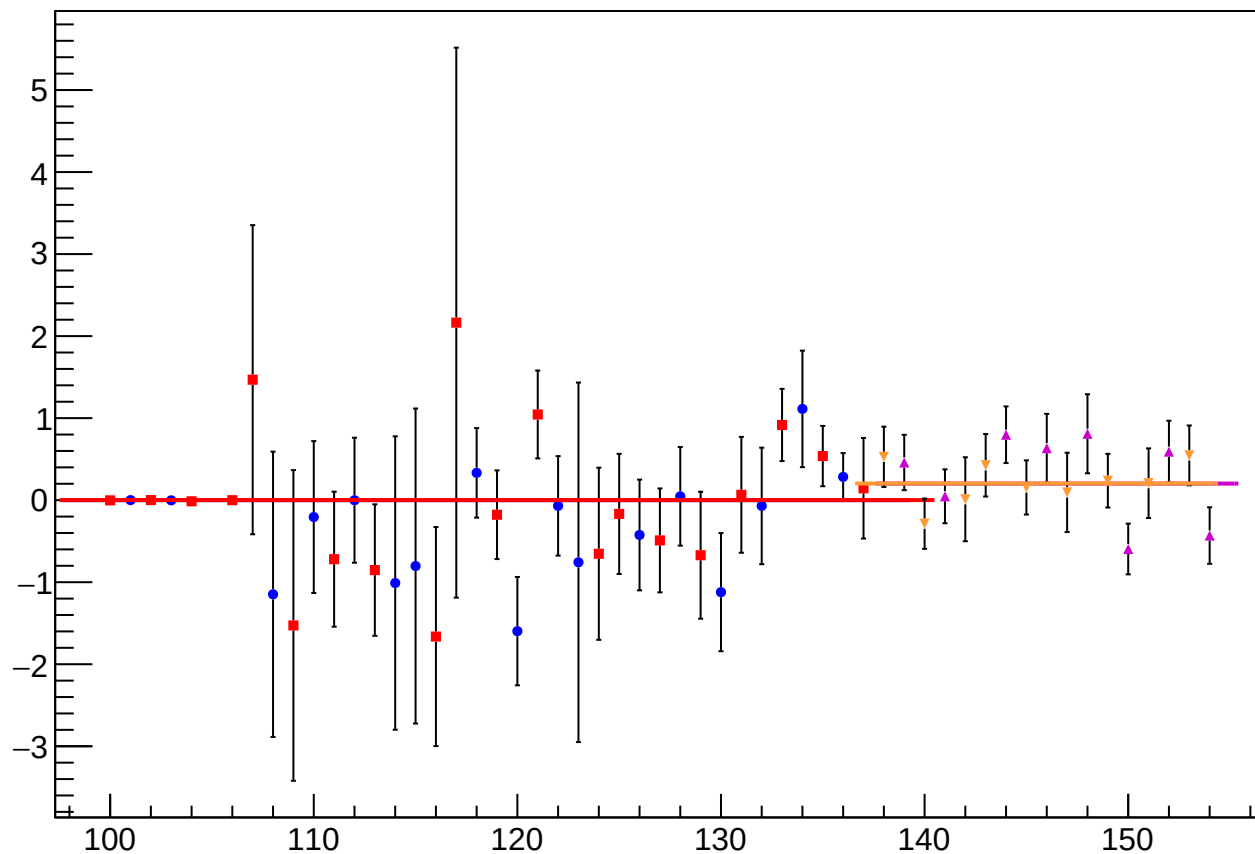
Right Out: 17.271+/-0.014 χ^2/NDF : 10906837.9/19

Left In: 4320.264+/-1.206 χ^2/NDF : 196454.3/7

18.008+/-0.015 χ^2/NDF : 23433228.5/25

17.850+/-0.014 χ^2/NDF : 23838291.2/27

diff_cav4dY_mean vs Slug



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

Left Out: 0.203+/-0.124 χ^2/NDF : 4.8/8

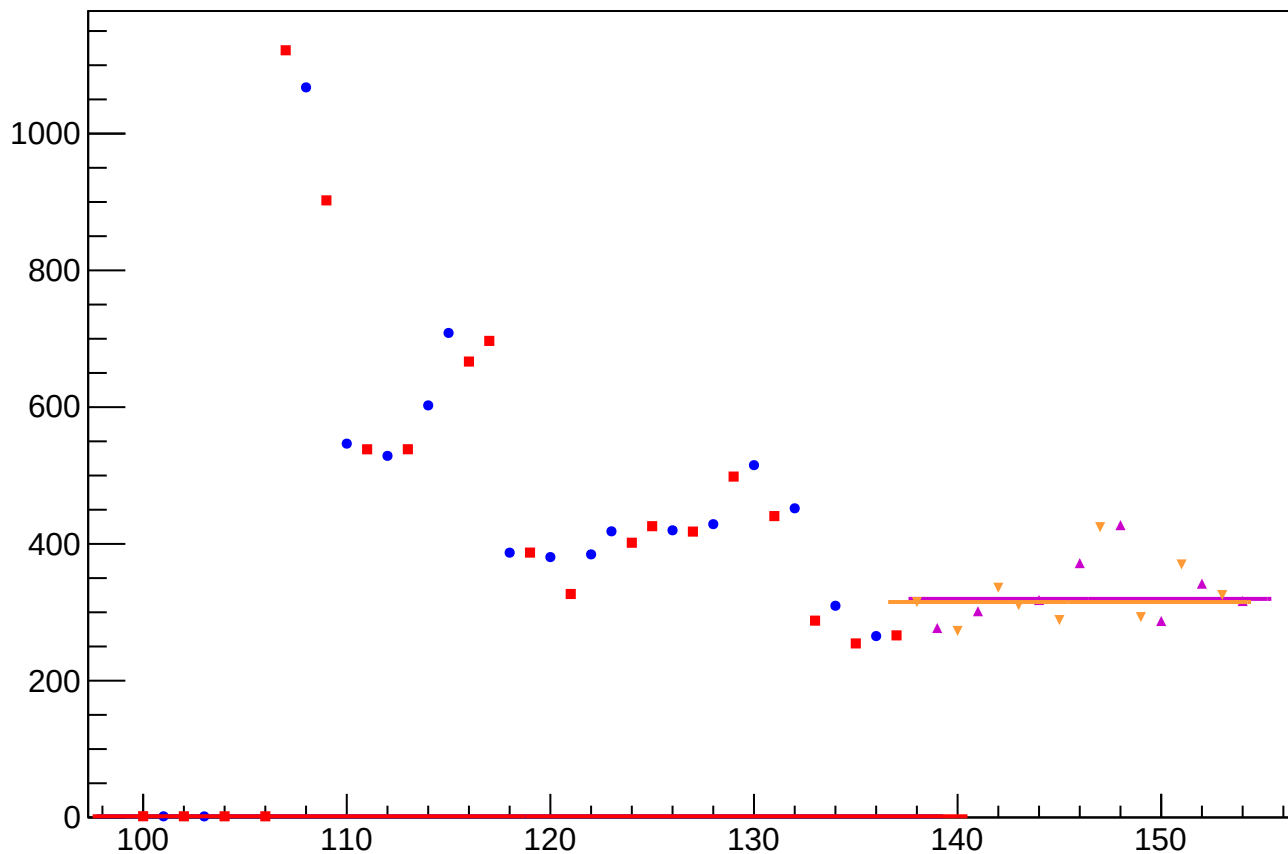
Right Out: 0.001+/-0.002 χ^2/NDF : 18.3/19

Left In: 0.202+/-0.127 χ^2/NDF : 17.5/7

0.000+/-0.002 χ^2/NDF : 21.2/25

0.001+/-0.002 χ^2/NDF : 38.4/27

diff_cav4dY_rms vs Slug



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

Left Out: 315.027+/-0.088 χ^2/NDF : 201065.3/8

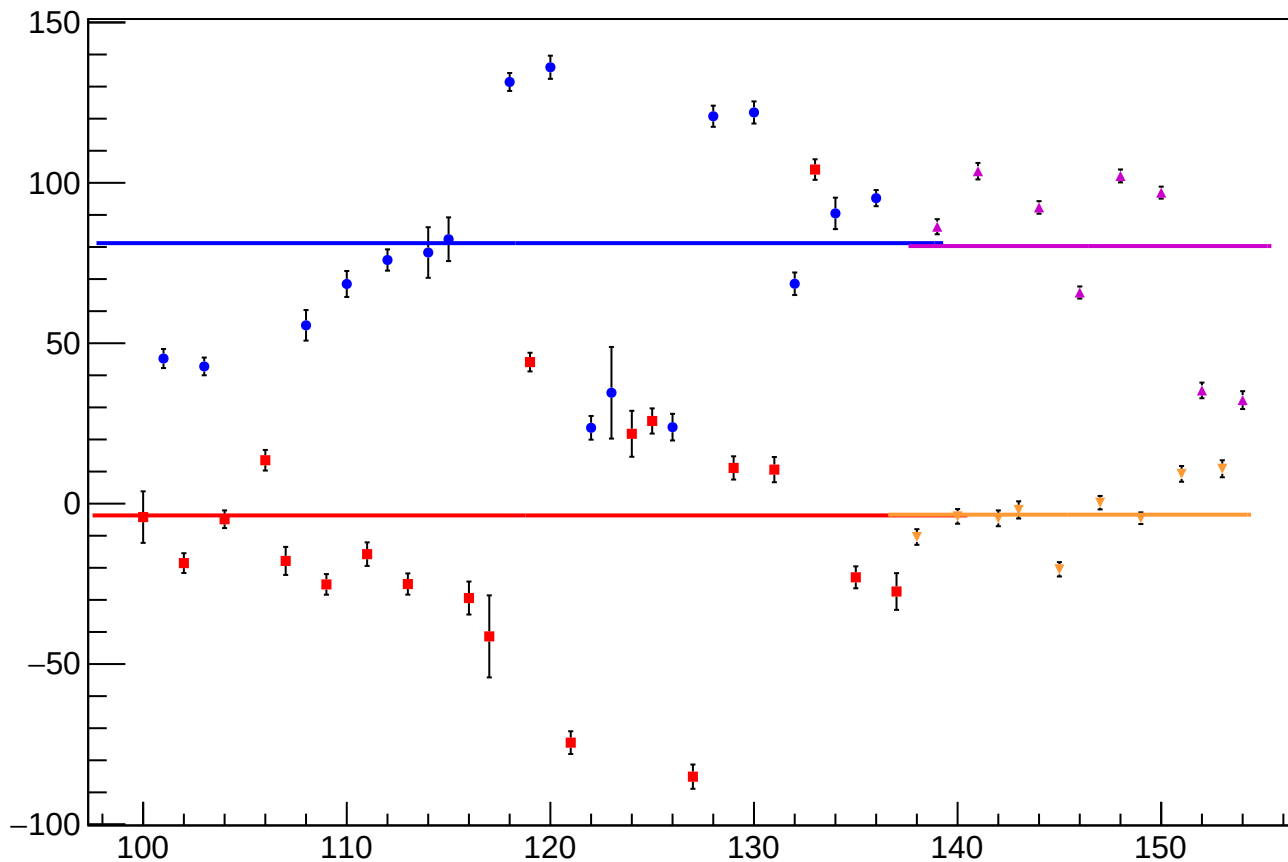
Right Out: 1.729+/-0.001 χ^2/NDF : 10829914.3/19

Left In: 319.627+/-0.089 χ^2/NDF : 198370.4/7

1.782+/-0.001 χ^2/NDF : 23936202.7/25

1.803+/-0.001 χ^2/NDF : 23643456.5/27

diff_bpm0i01X_mean vs Slug



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

Left Out: -3.439 $\pm$ 0.767 χ^2 /NDF:126.3/8

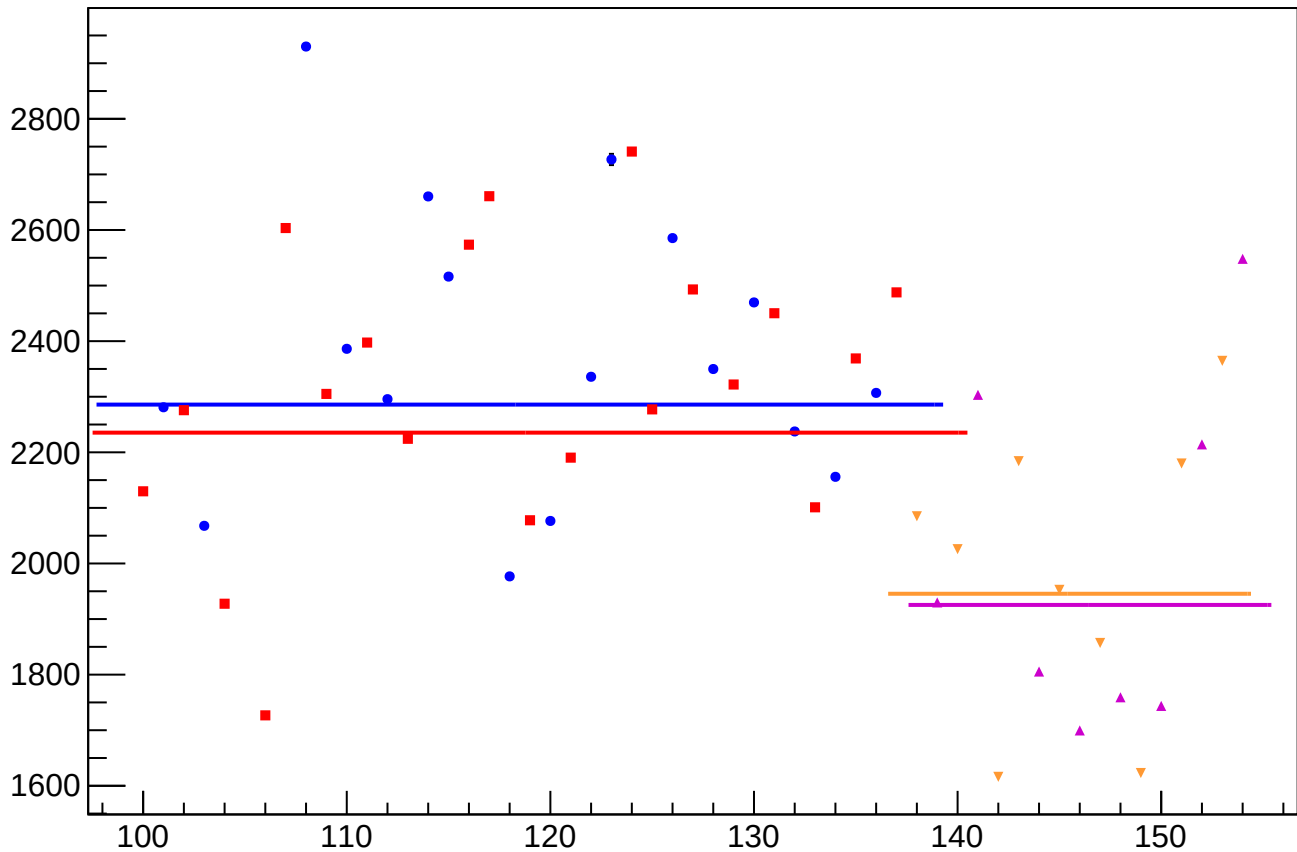
Right Out: -3.672 $\pm$ 0.841 χ^2 /NDF: 2607.8/19

Left In: 80.293 $\pm$ 0.767 χ^2 /NDF:1019.7/7

32.845 $\pm$ 0.580 χ^2 /NDF: 7053.6/25

42.139 $\pm$ 0.567 χ^2 /NDF: 9069.8/27

diff_bpm0i01X_rms vs Slug



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

Left Out: 1945.514+/-0.542 χ^2/NDF : 195203.4/8

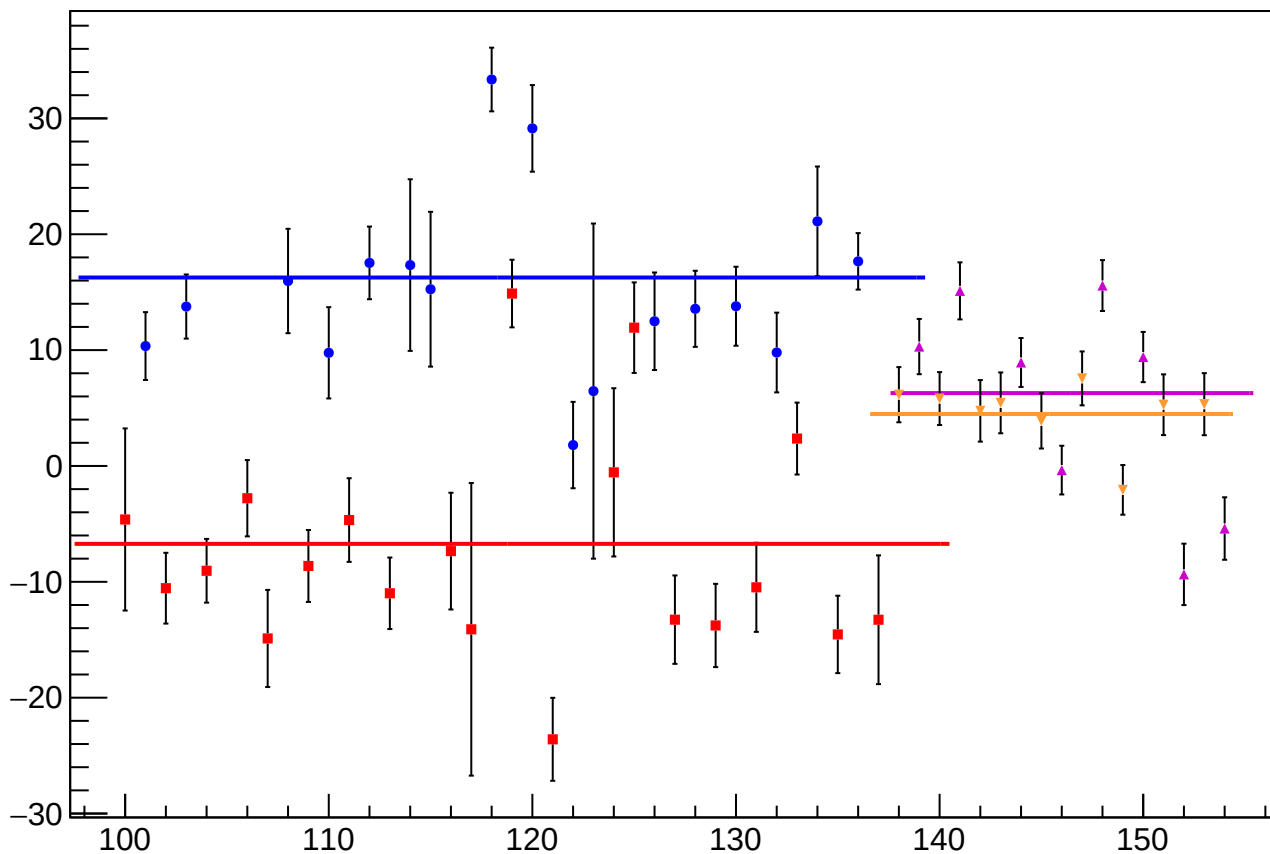
Right Out: 2235.394+/-0.594 χ^2/NDF : 149072.1/19

Left In: 1925.410+/-0.543 χ^2/NDF : 239869.3/7

2091.413+/-0.410 χ^2/NDF : 473261.8/25

2066.270+/-0.401 χ^2/NDF : 537295.0/27

diff_bpm0i01Y_mean vs Slug



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

Left Out: 4.486 ± 0.812 χ^2/NDF : 12.3/8

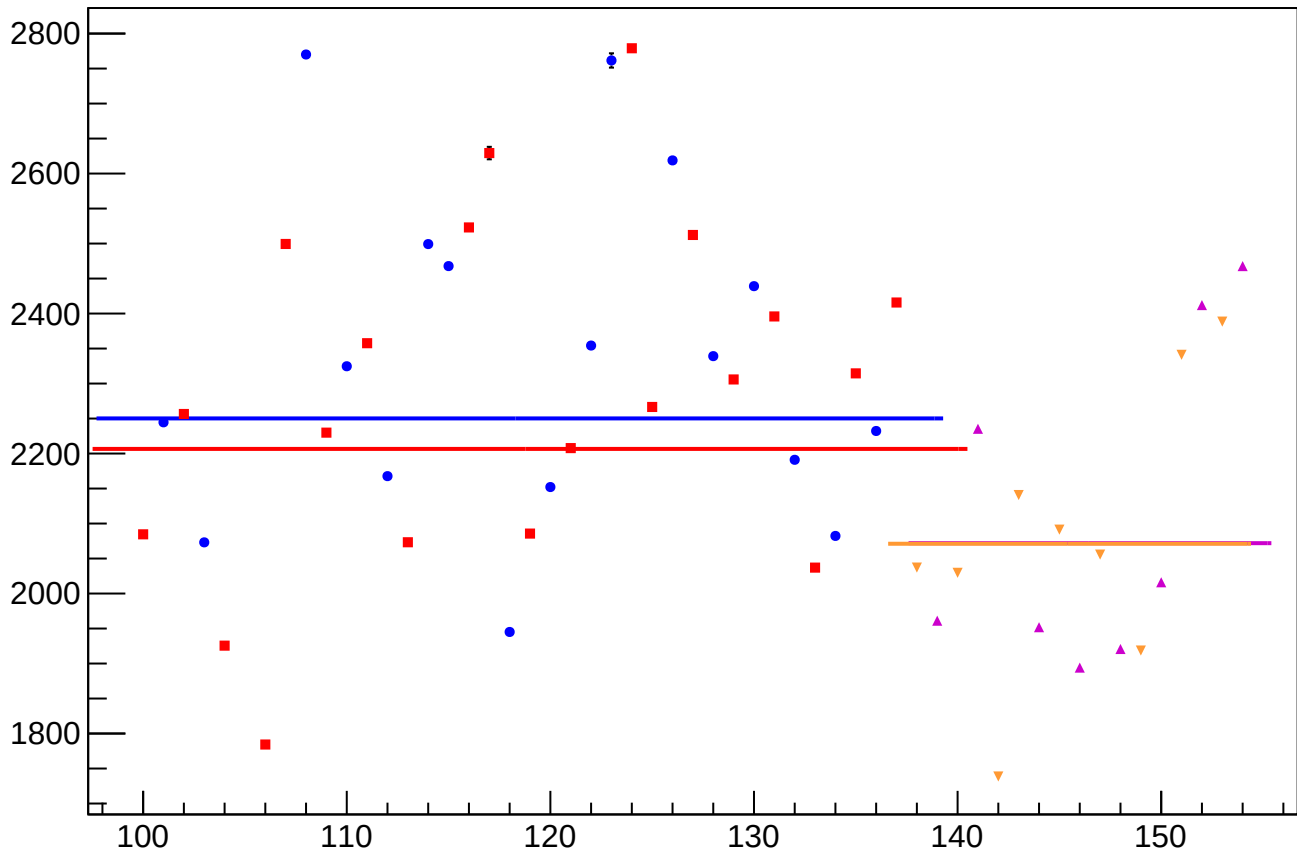
Right Out: -6.722 ± 0.829 χ^2/NDF : 134.3/19

Left In: 6.289 ± 0.819 χ^2/NDF : 100.8/7

9.957 ± 0.594 χ^2/NDF : 191.0/25

-0.137 ± 0.583 χ^2/NDF : 359.8/27

diff_bpm0i01Y_rms vs Slug



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

Left Out: 2071.121+/-0.574 χ^2/NDF : 93459.9/8

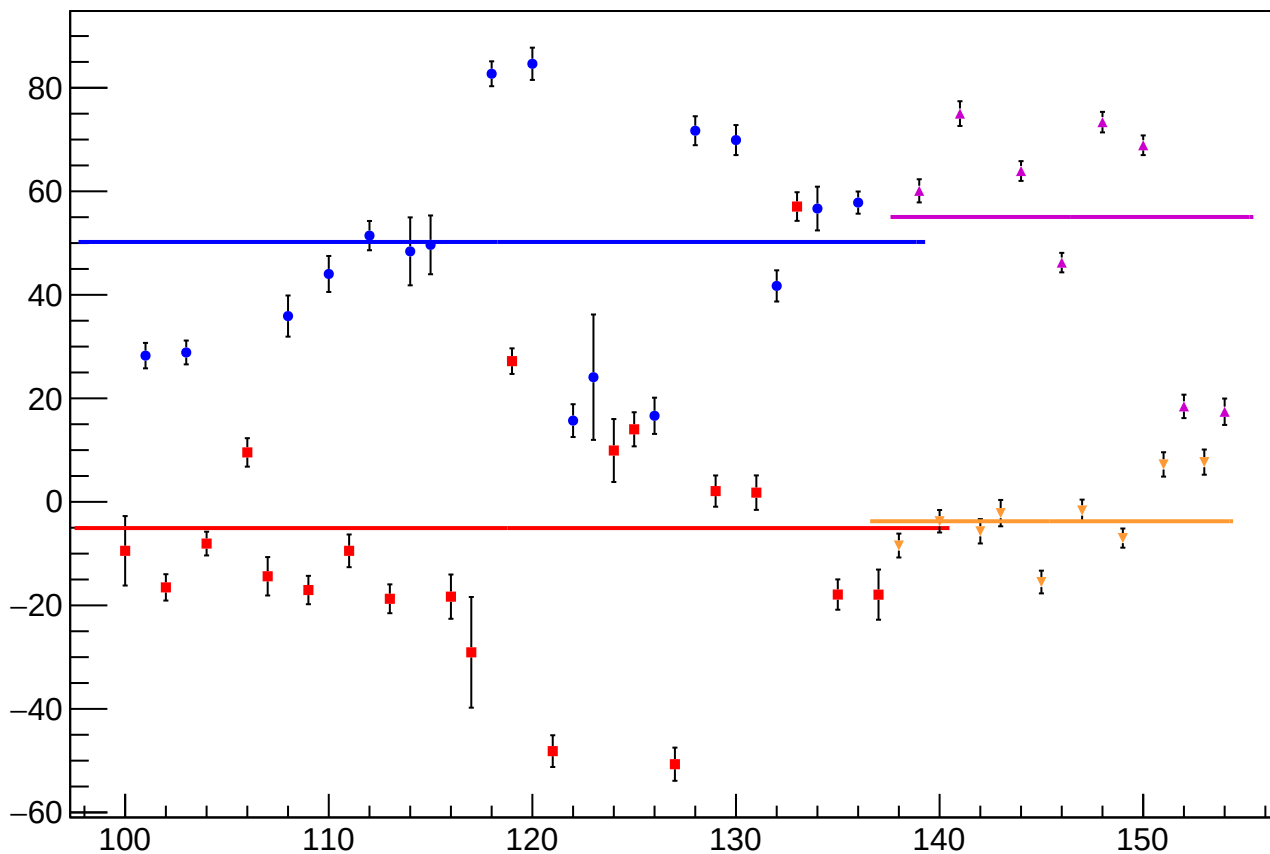
Right Out: 2206.617+/-0.586 χ^2/NDF : 128476.5/19

Left In: 2071.949+/-0.579 χ^2/NDF : 120759.2/7

2154.289+/-0.420 χ^2/NDF : 236247.0/25

2138.457+/-0.412 χ^2/NDF : 275950.7/27

diff_bpm0i01aX_mean vs Slug



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

Left Out: -3.744+/-0.743 χ^2/NDF : 81.6/8

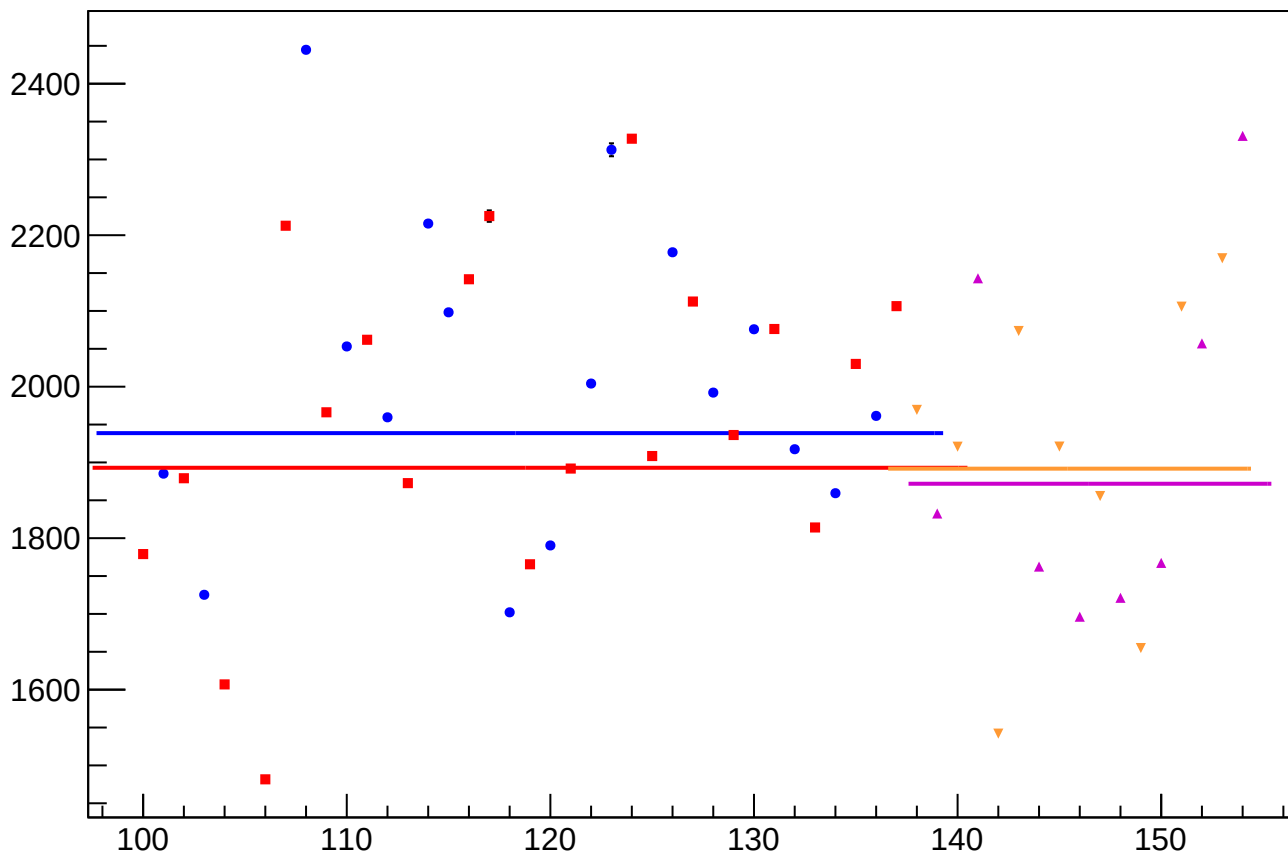
Right Out: -5.065+/-0.712 χ^2/NDF : 1267.6/19

Left In: 55.043+/-0.743 χ^2/NDF : 736.7/7

22.965+/-0.528 χ^2/NDF : 3520.6/25

23.701+/-0.514 χ^2/NDF : 5416.8/27

diff_bpm0i01aX_rms vs Slug



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

Left Out: 1891.774 $\pm$ 0.526 χ^2 /NDF:133228.4/8

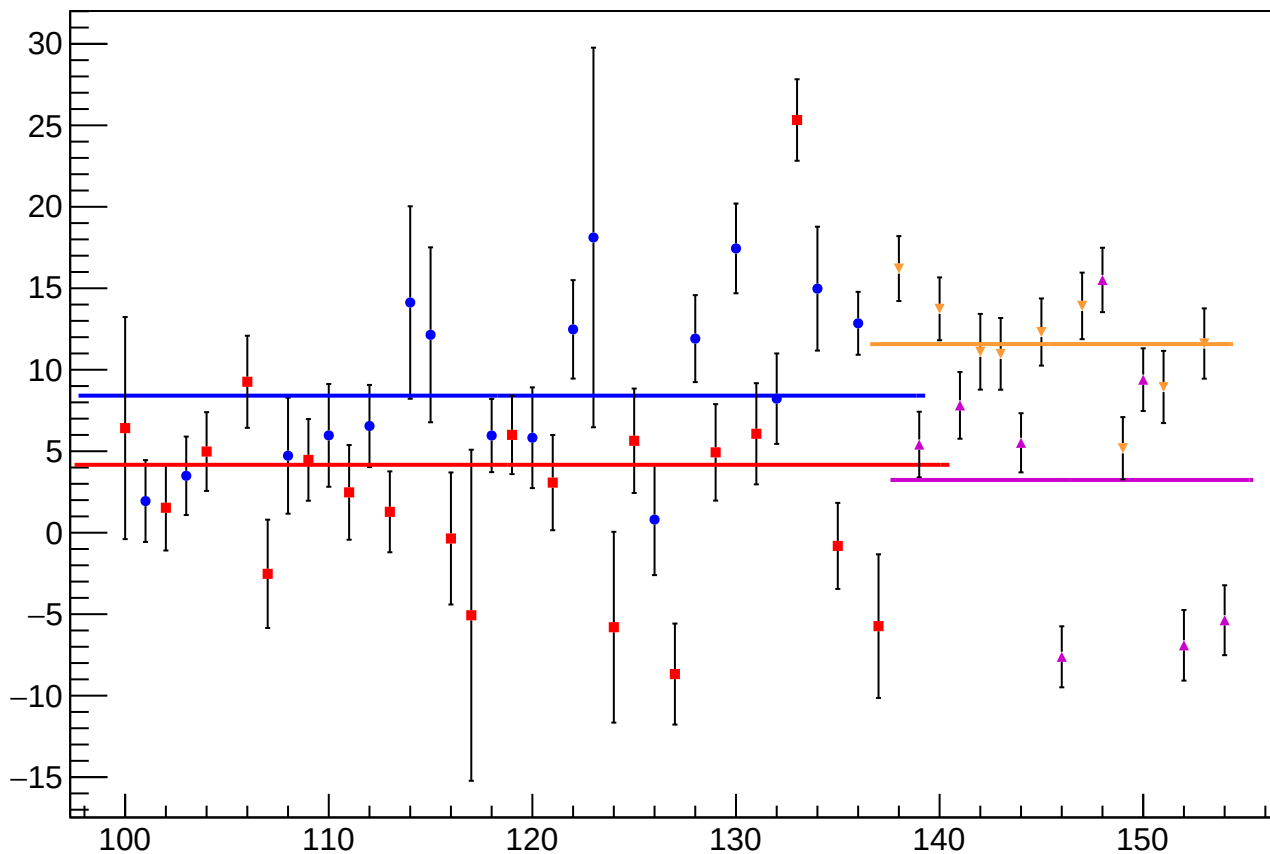
Right Out: 1892.946 $\pm$ 0.503 χ^2 /NDF: 148563.2/19

Left In: 1871.857 $\pm$ 0.525 χ^2 /NDF:146370.6/7

1914.995 $\pm$ 0.374 χ^2 /NDF: 237315.4/25

1882.853 $\pm$ 0.363 χ^2 /NDF: 295774.0/27

diff_bpm0i01aY_mean vs Slug



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

Left Out: 11.573 ± 0.693 χ^2/NDF : 20.8/8

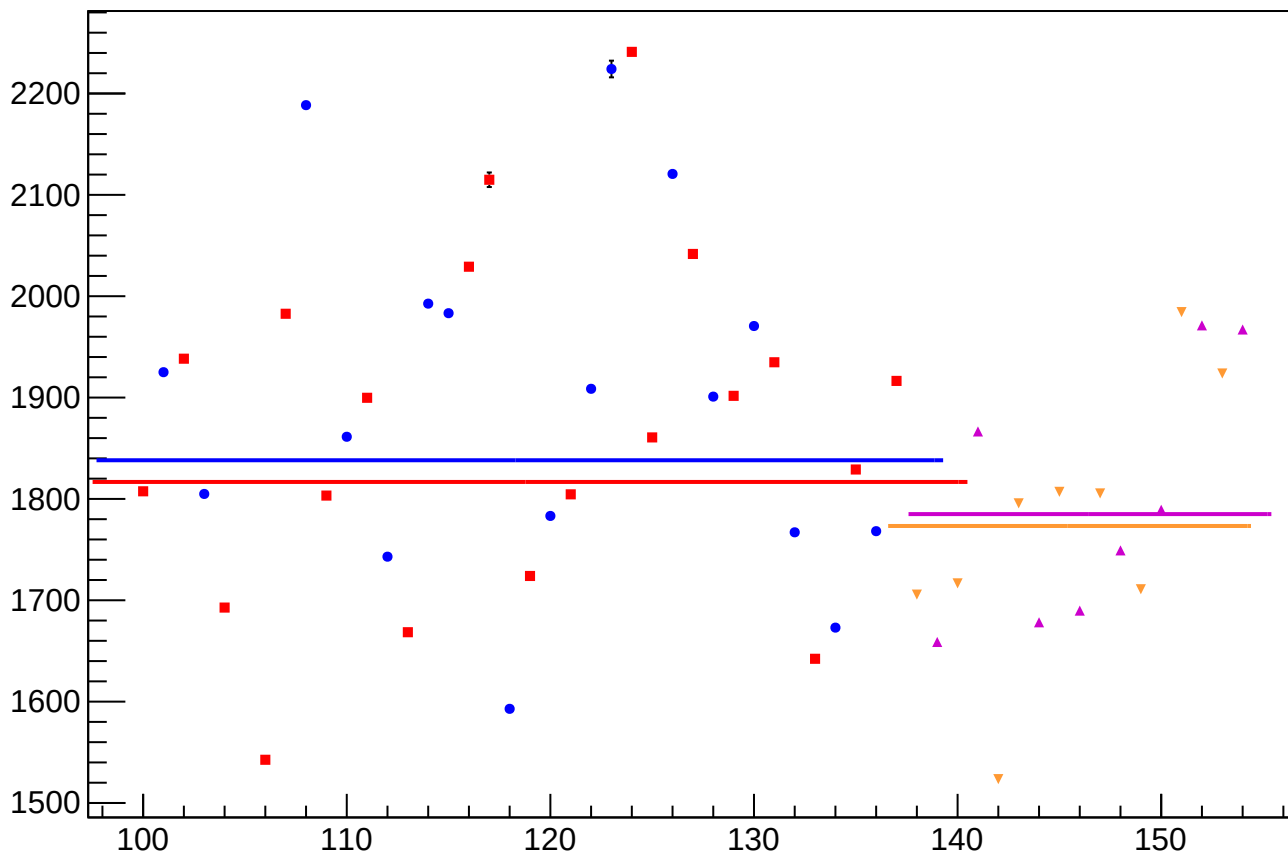
Right Out: 4.167 ± 0.681 χ^2/NDF : 113.9/19

Left In: 3.238 ± 0.702 χ^2/NDF : 128.2/7

10.032 ± 0.496 χ^2/NDF : 75.6/25

3.717 ± 0.489 χ^2/NDF : 243.0/27

diff_bpm0i01aY_rms vs Slug



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

Left Out: 1773.298+/-0.490 χ^2/NDF : 58397.5/8

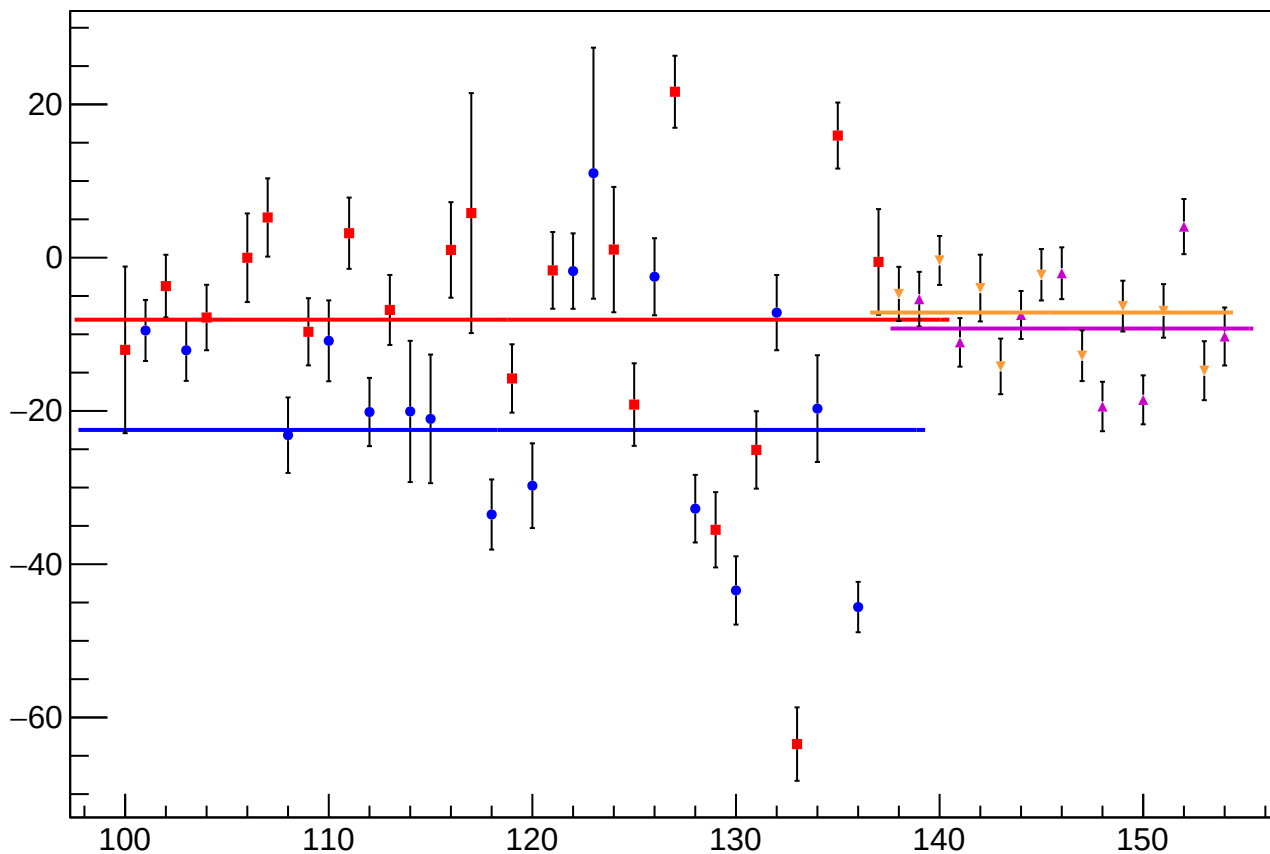
Right Out: 1816.748+/-0.481 χ^2/NDF : 89149.7/19

Left In: 1785.029+/-0.496 χ^2/NDF : 52956.8/7

1804.894+/-0.351 χ^2/NDF : 149801.0/25

1801.369+/-0.346 χ^2/NDF : 144211.2/27

diff_bpm0l01X_mean vs Slug



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

Left Out: -7.159 ± 1.173 χ^2/NDF : 18.3/8

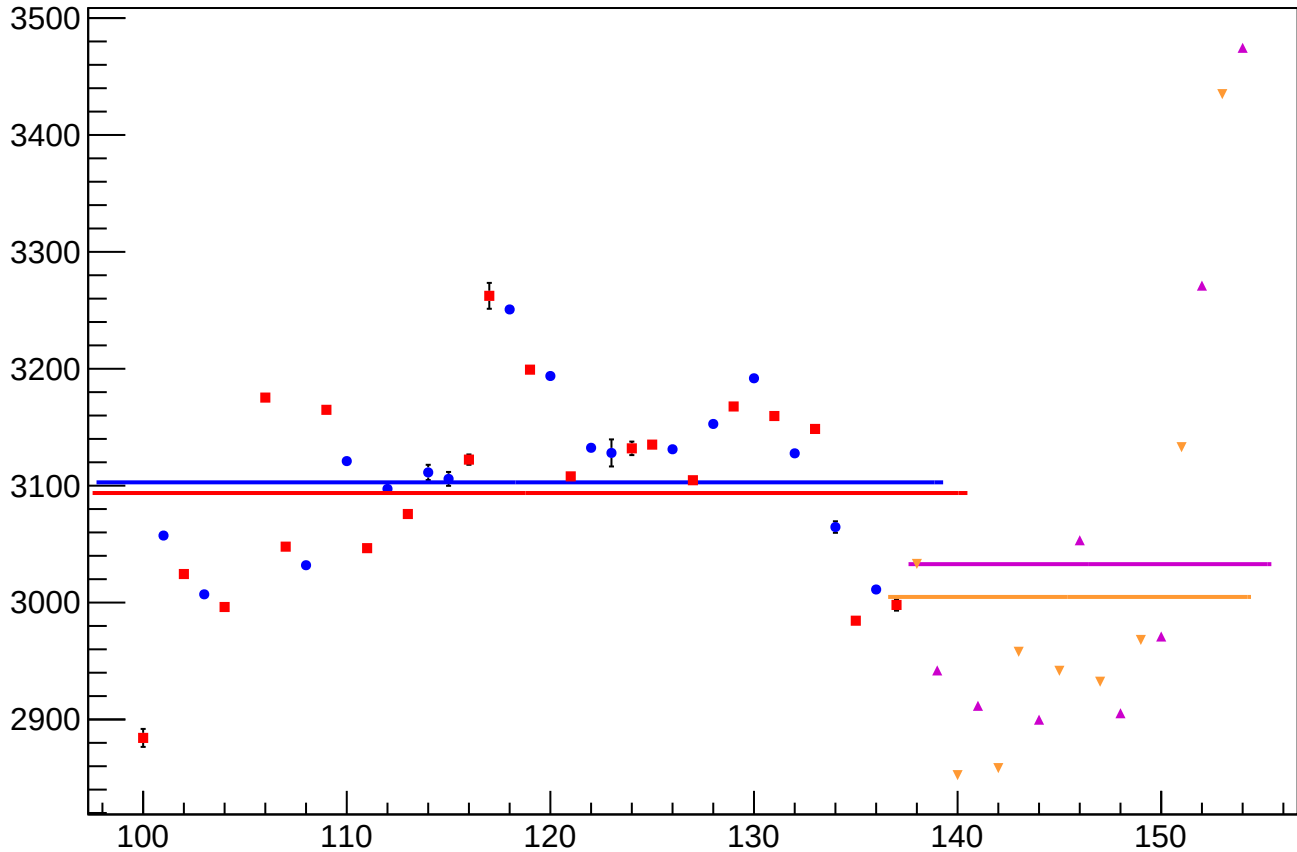
Right Out: -8.093 ± 1.153 χ^2/NDF : 277.7/19

Left In: -9.246 ± 1.187 χ^2/NDF : 38.6/7

-14.676 ± 0.837 χ^2/NDF : 256.7/25

-8.653 ± 0.827 χ^2/NDF : 316.7/27

diff_bpm0l01X_rms vs Slug



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

Left Out: 3004.818 ± 0.829 χ^2/NDF : 36873.7/8

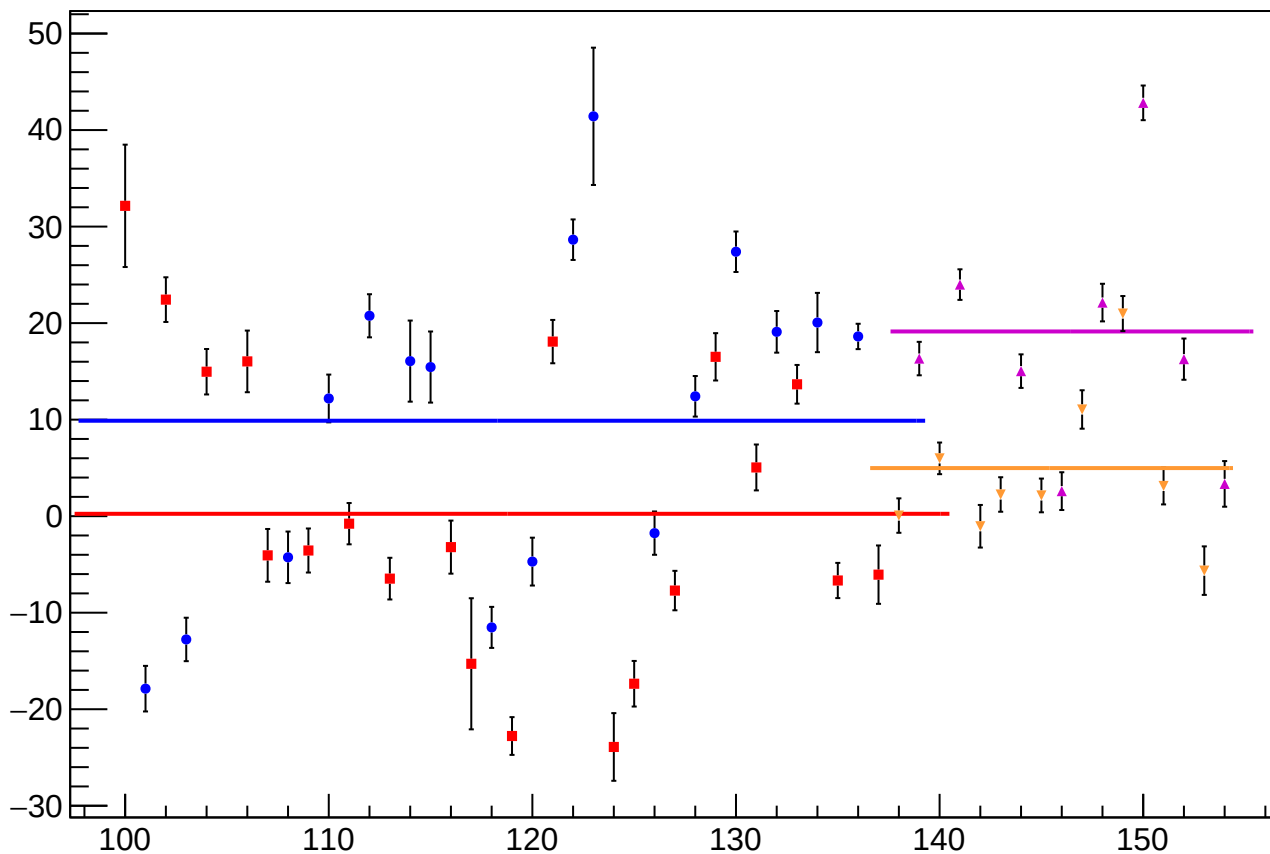
Right Out: 3093.715 ± 0.816 χ^2/NDF : 7996.8/19

Left In: 3032.868 ± 0.840 χ^2/NDF : 47869.8/7

3052.918 ± 0.592 χ^2/NDF : 51076.4/25

3064.173 ± 0.585 χ^2/NDF : 58569.2/27

diff_bpm0l01Y_mean vs Slug



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

Left Out: 4.982 $\pm$ 0.630 χ^2 /NDF:126.2/8

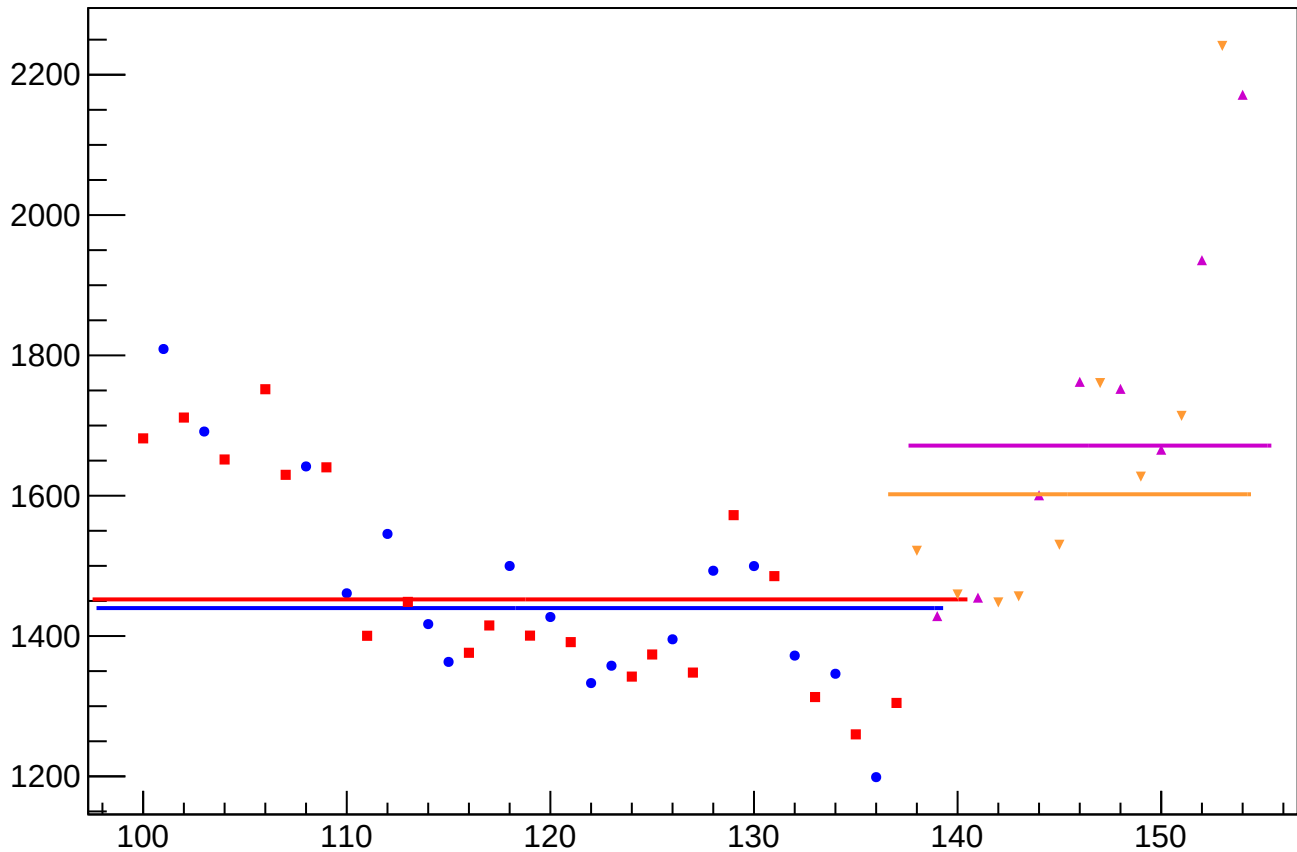
Right Out: 0.245 $\pm$ 0.545 χ^2 /NDF: 634.1/19

Left In: 19.135 $\pm$ 0.660 χ^2 /NDF:311.9/7

7.725 $\pm$ 0.418 χ^2 /NDF: 863.7/25

7.905 $\pm$ 0.420 χ^2 /NDF: 1433.0/27

diff_bpm0l01Y_rms vs Slug



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

Left Out: 1602.050+/-0.445 χ^2/NDF :194855.6/8

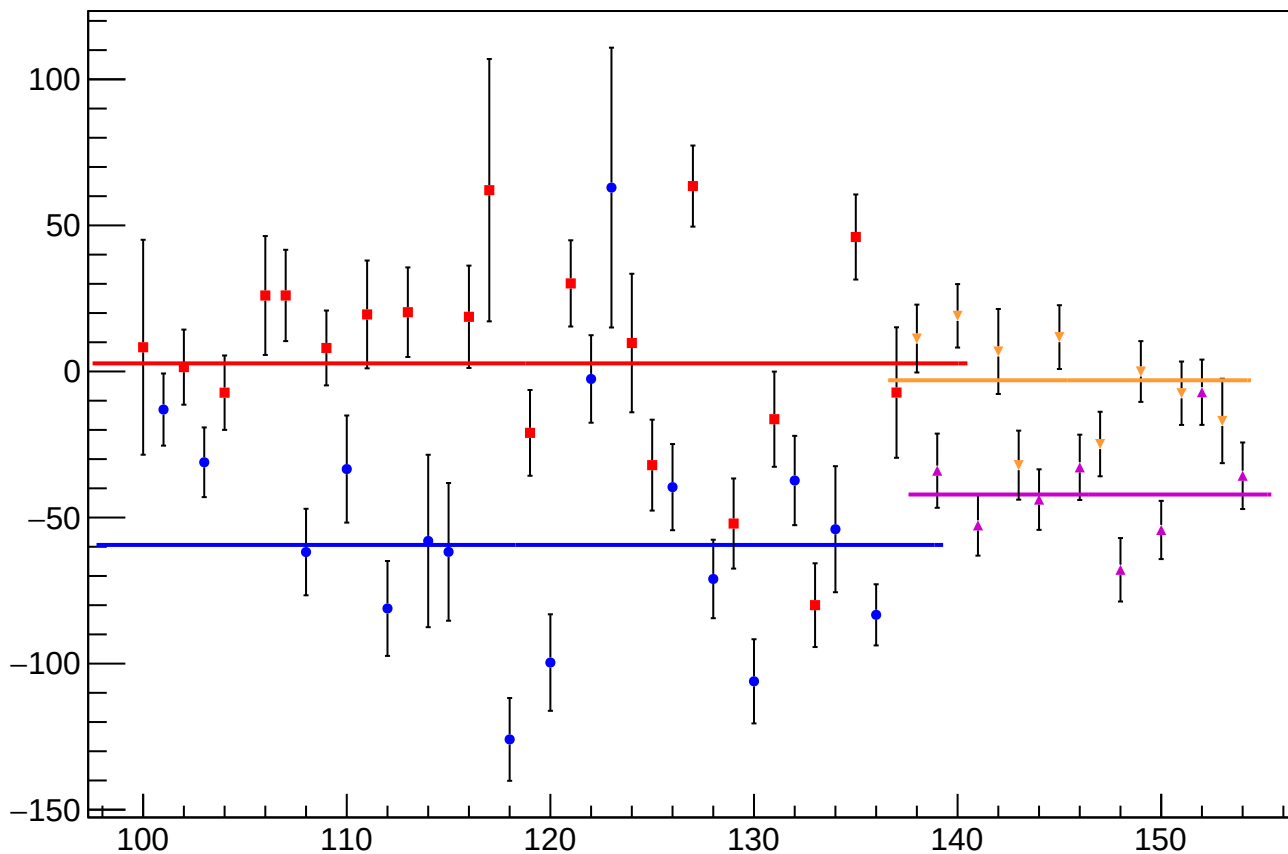
Right Out: 1452.211+/-0.385 χ^2/NDF : 138579.9/19

Left In: 1671.415+/-0.467 χ^2/NDF :207926.2/7

1511.352+/-0.296 χ^2/NDF : 441816.4/25

1541.098+/-0.297 χ^2/NDF : 477647.2/27

diff_bpm0l02X_mean vs Slug



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

Left Out: -3.019 ± 3.866 $\chi^2/\text{NDF}: 19.1/8$

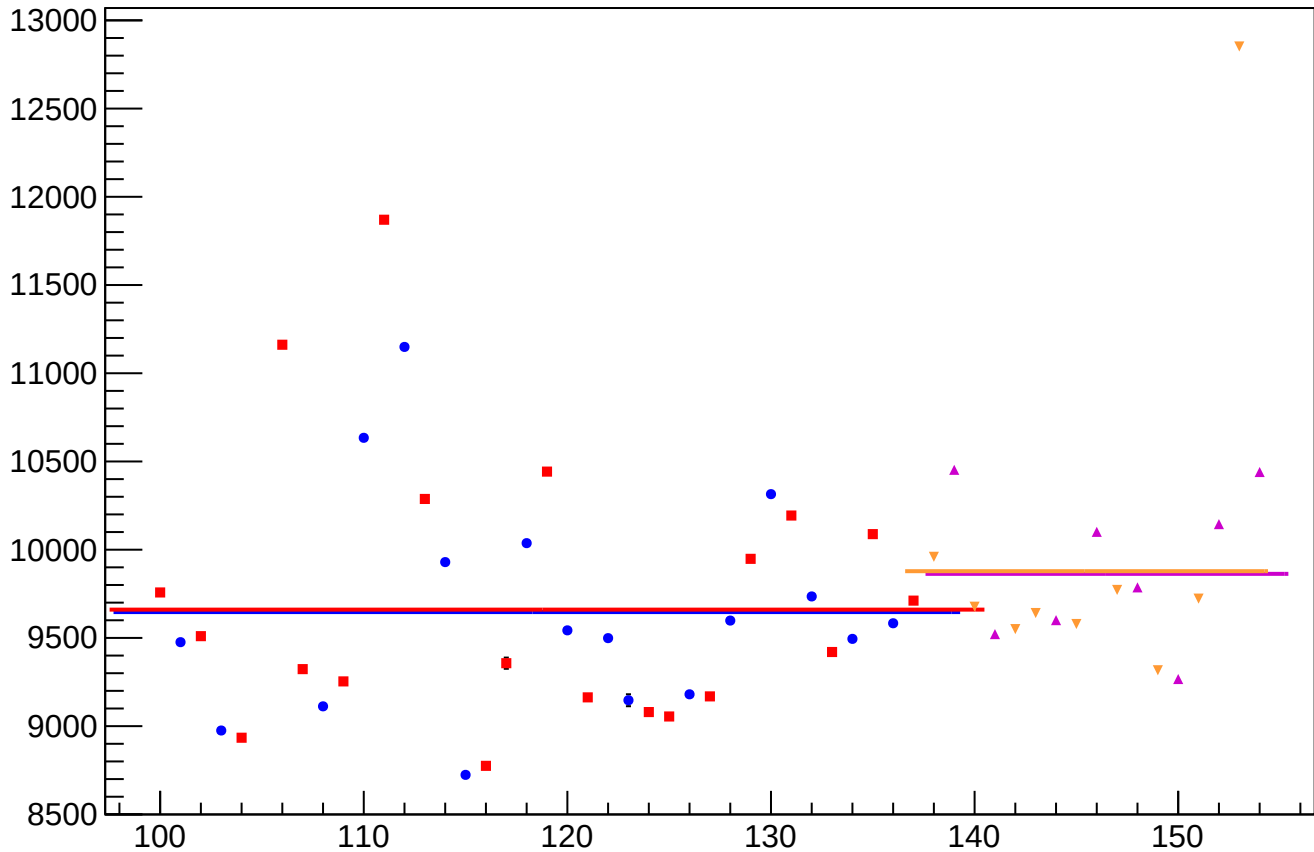
Right Out: 2.776 ± 3.618 $\chi^2/\text{NDF}: 95.7/19$

Left In: -42.116 ± 3.860 $\chi^2/\text{NDF}: 19.4/7$

-32.216 ± 2.684 $\chi^2/\text{NDF}: 222.0/25$

-18.216 ± 2.640 $\chi^2/\text{NDF}: 187.1/27$

diff_bpm0l02X_rms vs Slug



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

Left Out: 9878.190+/-2.734 χ^2/NDF : 95267.1/8

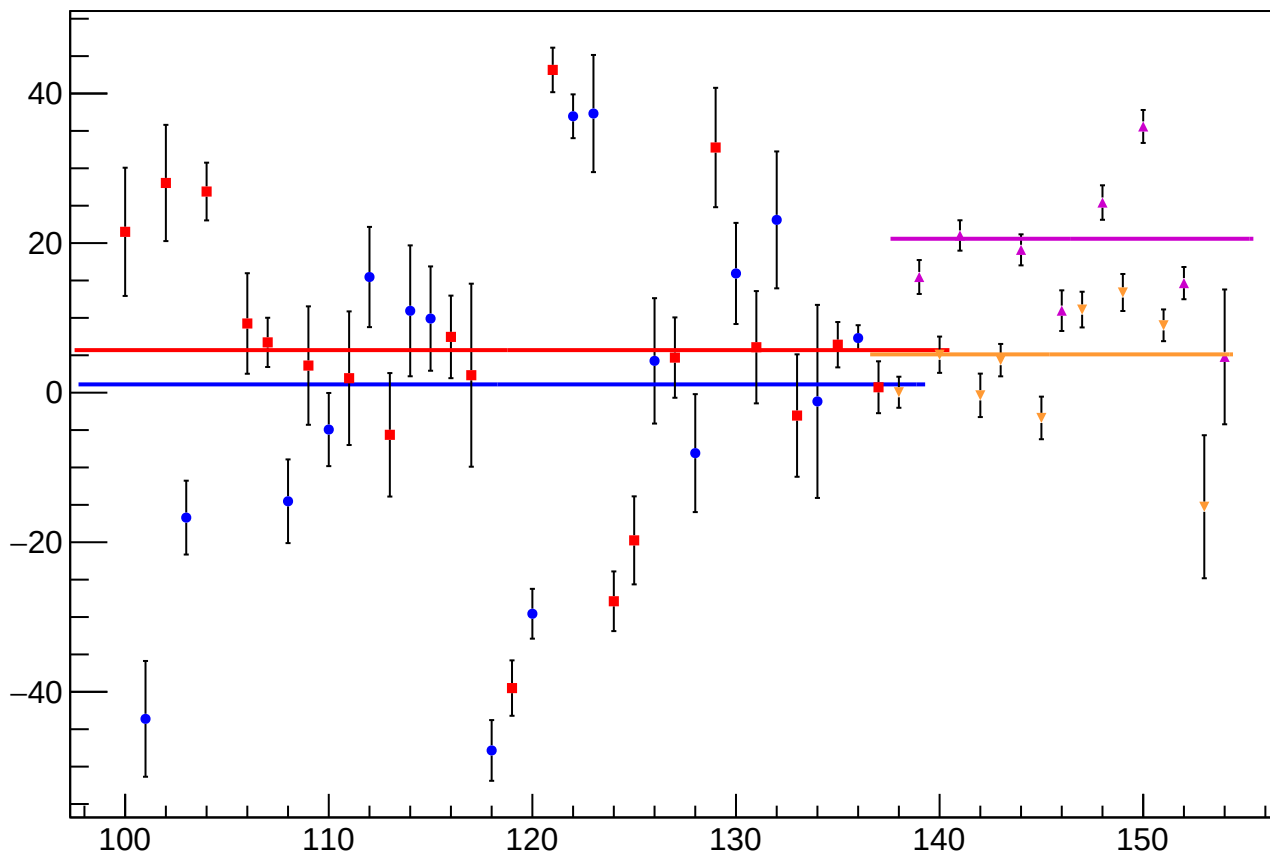
Right Out: 9660.380+/-2.558 χ^2/NDF : 77676.0/19

Left In: 9863.114+/-2.730 χ^2/NDF : 22342.7/7

9758.143+/-1.898 χ^2/NDF : 143049.1/25

9755.180+/-1.867 χ^2/NDF : 102955.4/27

diff_bpm0l02Y_mean vs Slug



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

Left Out: 5.120 ± 0.837 χ^2/NDF : 43.9/8

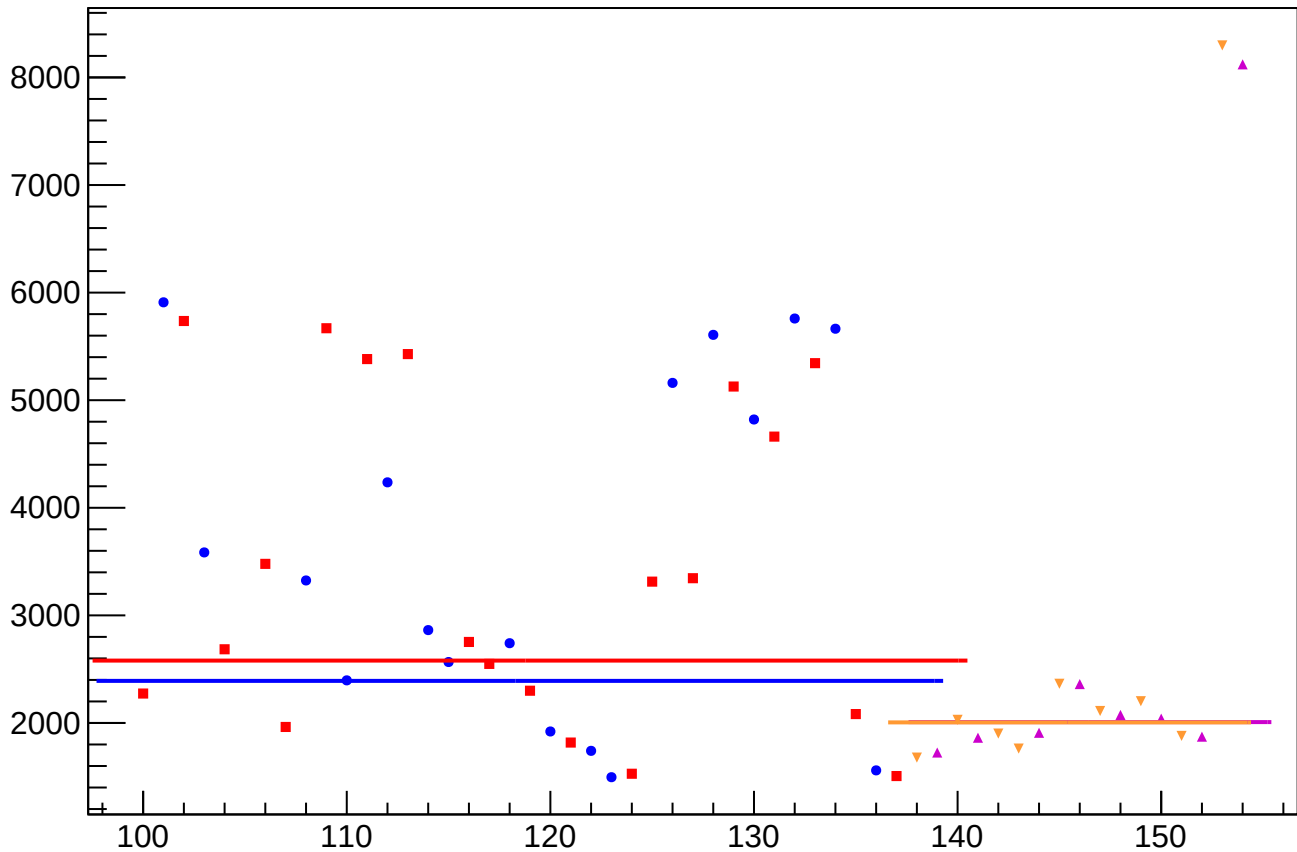
Right Out: 5.689 ± 1.087 χ^2/NDF : 456.0/19

Left In: 20.579 ± 0.837 χ^2/NDF : 79.7/7

3.591 ± 0.658 χ^2/NDF : 542.4/25

15.032 ± 0.663 χ^2/NDF : 653.5/27

diff_bpm0l02Y_rms vs Slug



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

Left Out: 2005.320 ± 0.592 χ^2/NDF : 998936.7/8

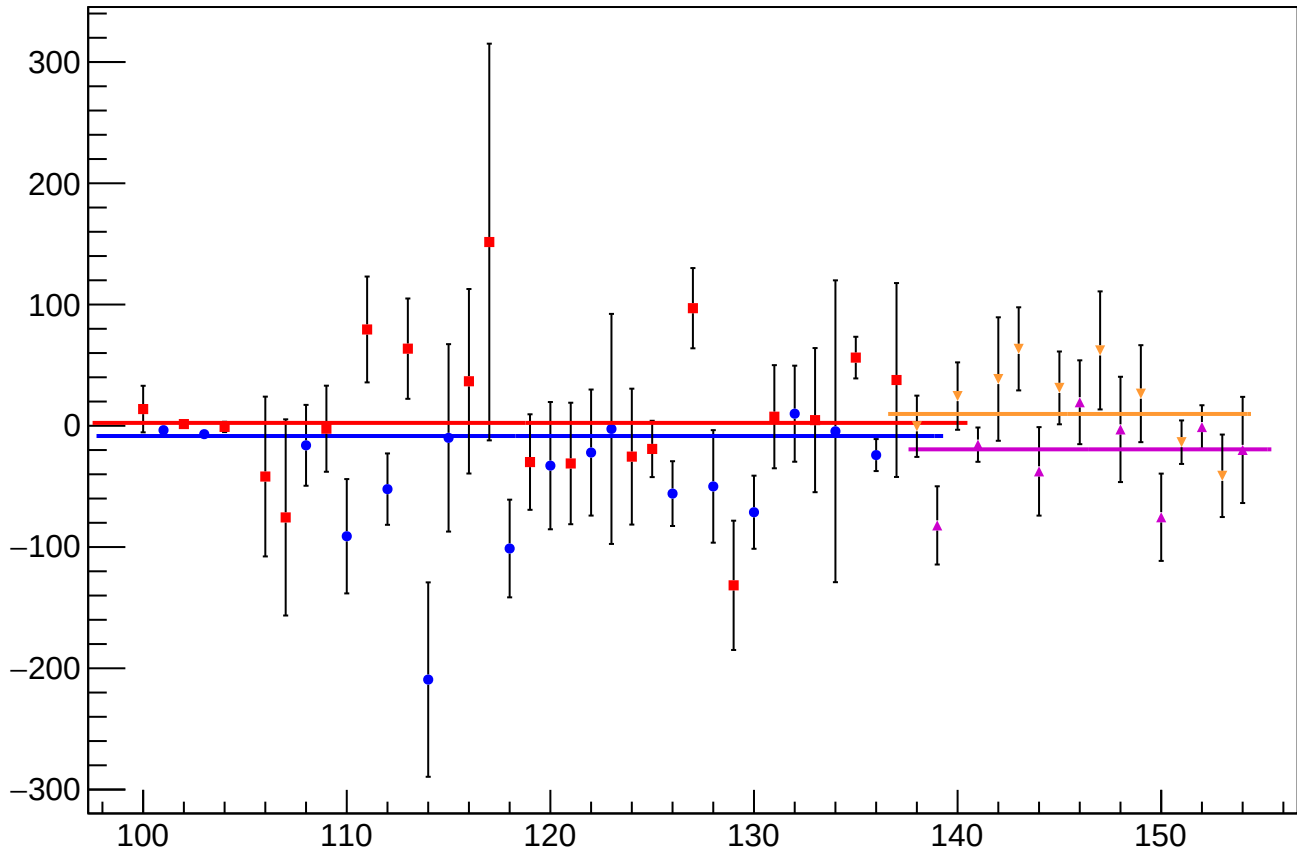
Right Out: 2579.794 ± 0.768 χ^2/NDF : 2365284.2/19

Left In: 2008.086 ± 0.592 χ^2/NDF : 1009843.7/7

2152.299 ± 0.465 χ^2/NDF : 3761552.3/25

2221.060 ± 0.469 χ^2/NDF : 3722405.6/27

diff_bpm0l03X_mean vs Slug



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

Left Out: 9.761 ± 9.890 $\chi^2/\text{NDF}: 9.0/8$

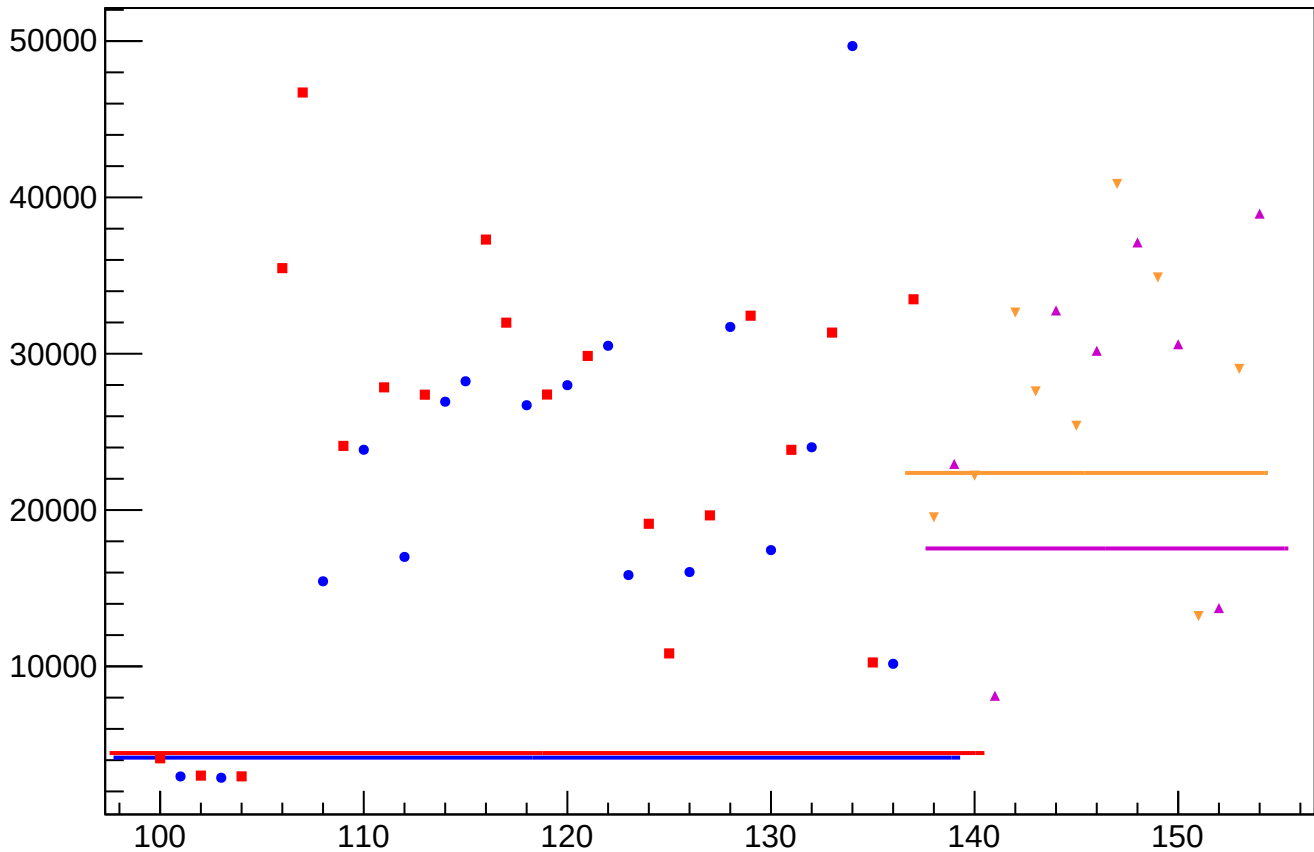
Right Out: 2.392 ± 2.786 $\chi^2/\text{NDF}: 35.5/19$

Left In: -19.426 ± 8.959 $\chi^2/\text{NDF}: 9.0/7$

-7.265 ± 2.503 $\chi^2/\text{NDF}: 41.1/25$

0.467 ± 2.661 $\chi^2/\text{NDF}: 49.9/27$

diff_bpm0l03X_rms vs Slug



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

5329.079+/-1.770 χ^2/NDF : 13592418.4/25

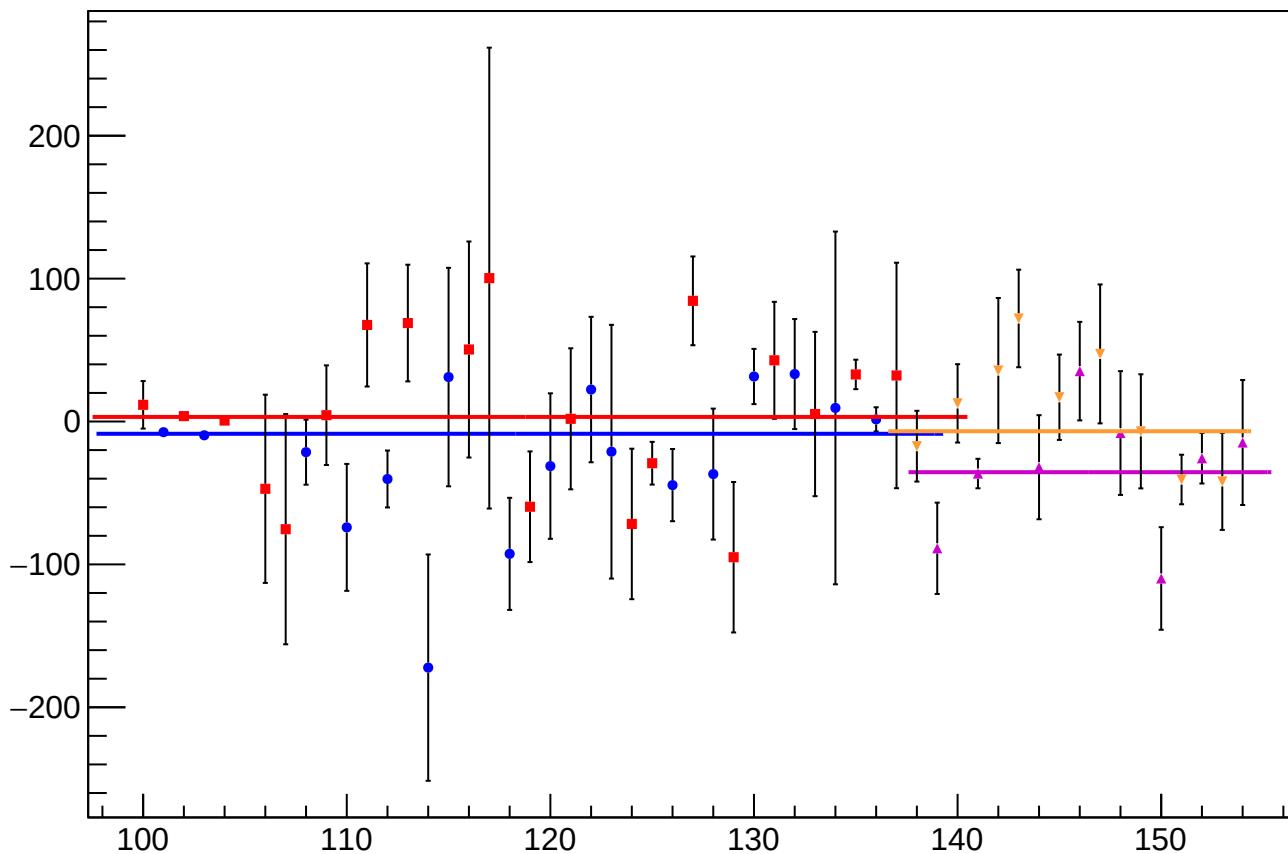
Left Out: 22374.163+/-6.993 χ^2/NDF : 1254439.5/8

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

5609.453+/-1.881 χ^2/NDF : 14172960.0/27

Left In: 17541.731+/-6.335 χ^2/NDF : 2798046.6/7

diff_bpm0l03Y_mean vs Slug



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

Left Out: -6.818 ± 9.726 $\chi^2/\text{NDF}: 13.5/8$

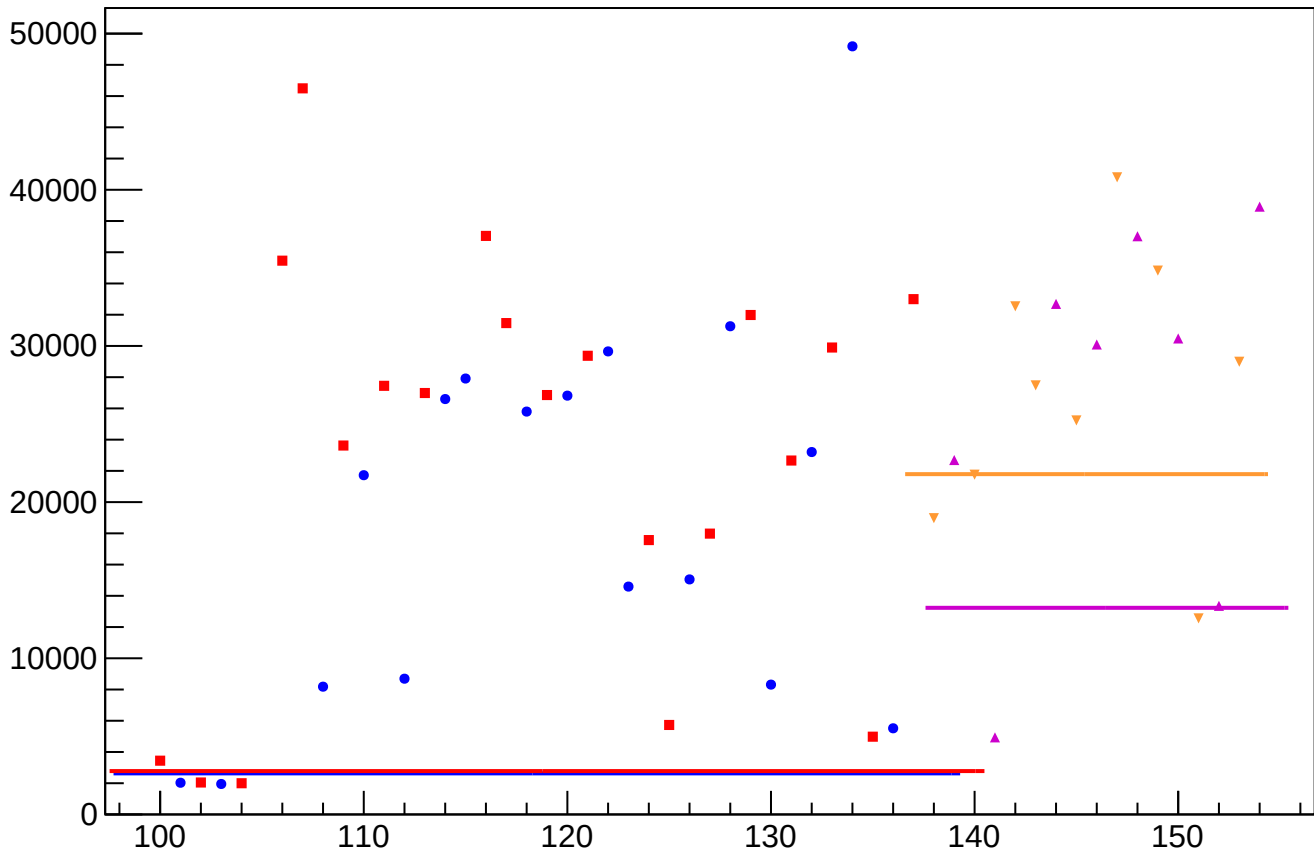
Right Out: 3.208 ± 1.922 $\chi^2/\text{NDF}: 37.2/19$

Left In: -35.472 ± 7.666 $\chi^2/\text{NDF}: 12.2/7$

-8.529 ± 1.749 $\chi^2/\text{NDF}: 37.9/25$

0.920 ± 1.864 $\chi^2/\text{NDF}: 73.4/27$

diff_bpm0l03Y_rms vs Slug



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

Left Out: 21791.396+/-6.877 χ^2/NDF : 1373483.8/8

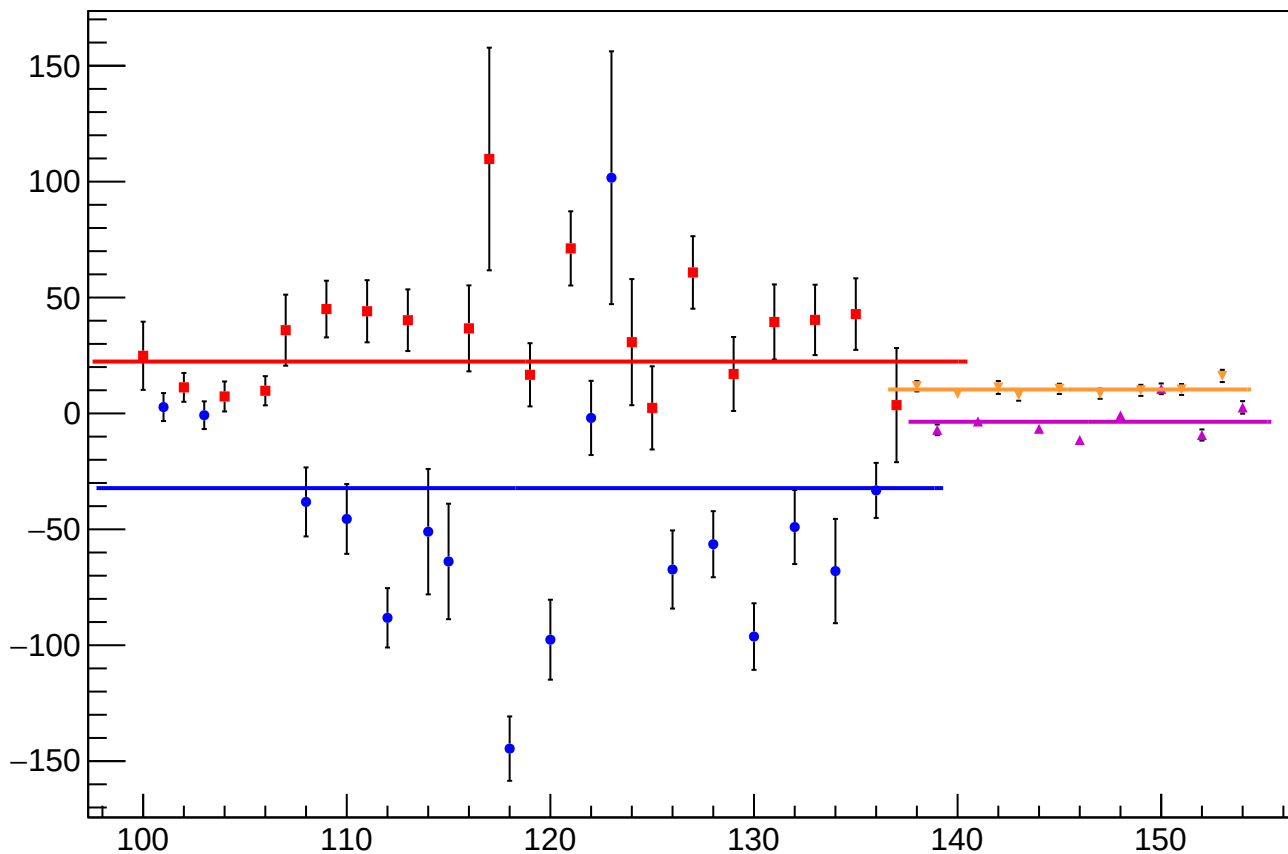
Right Out: 2777.521+/-1.359 χ^2/NDF : 7899165.0/19

Left In: 13231.977+/-5.420 χ^2/NDF : 4274183.7/7

3249.994+/-1.237 χ^2/NDF : 14473617.2/25

3395.915+/-1.318 χ^2/NDF : 15673160.2/27

diff_bpm0l04X_mean vs Slug



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

Left Out: 10.330 ± 0.783 χ^2/NDF : 7.9/8

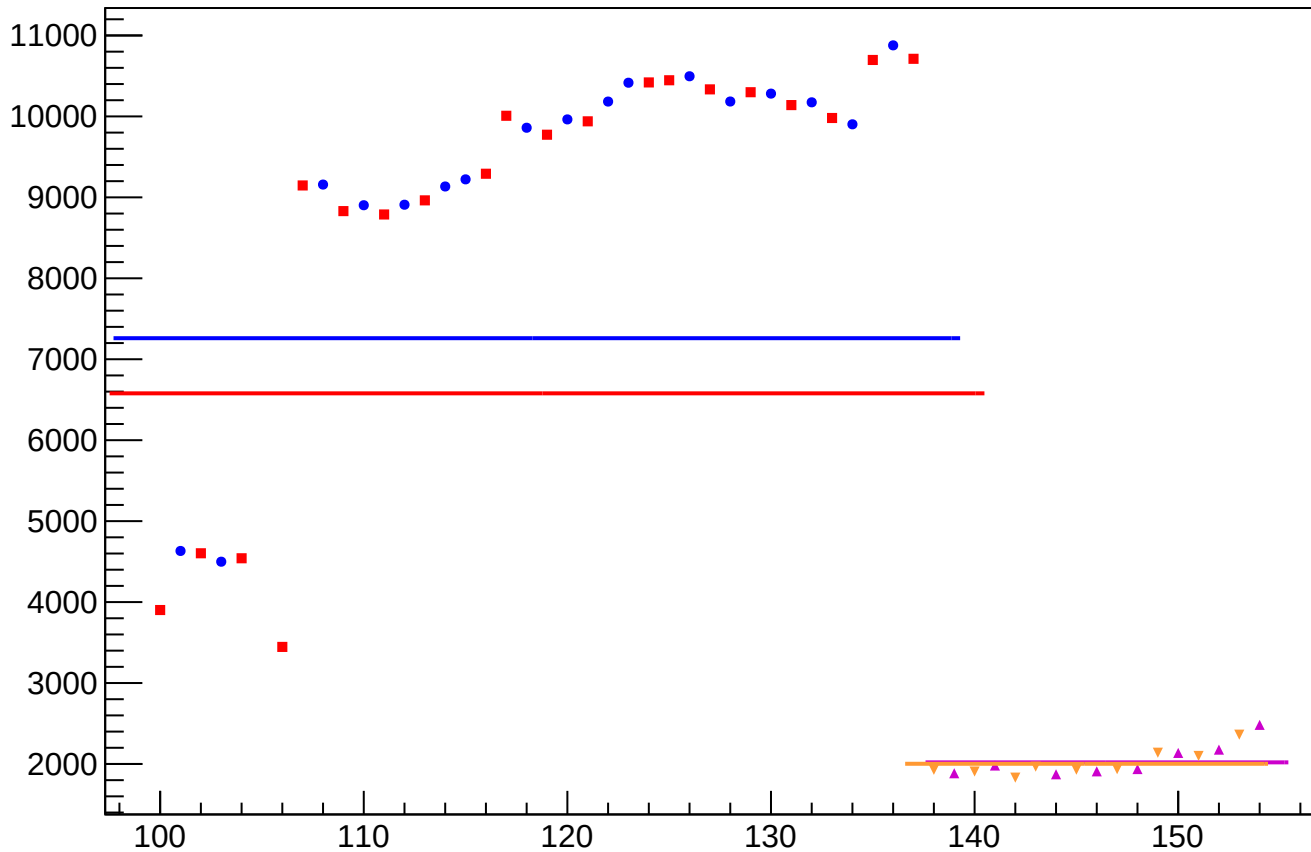
Right Out: 22.381 ± 2.665 χ^2/NDF : 47.0/19

Left In: -3.596 ± 0.793 χ^2/NDF : 69.2/7

7.587 ± 0.757 χ^2/NDF : 402.1/25

-1.484 ± 0.760 χ^2/NDF : 203.5/27

diff_bpm0l04X_rms vs Slug



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

Left Out: 2002.407+/-0.553 χ^2/NDF : 65174.8/8

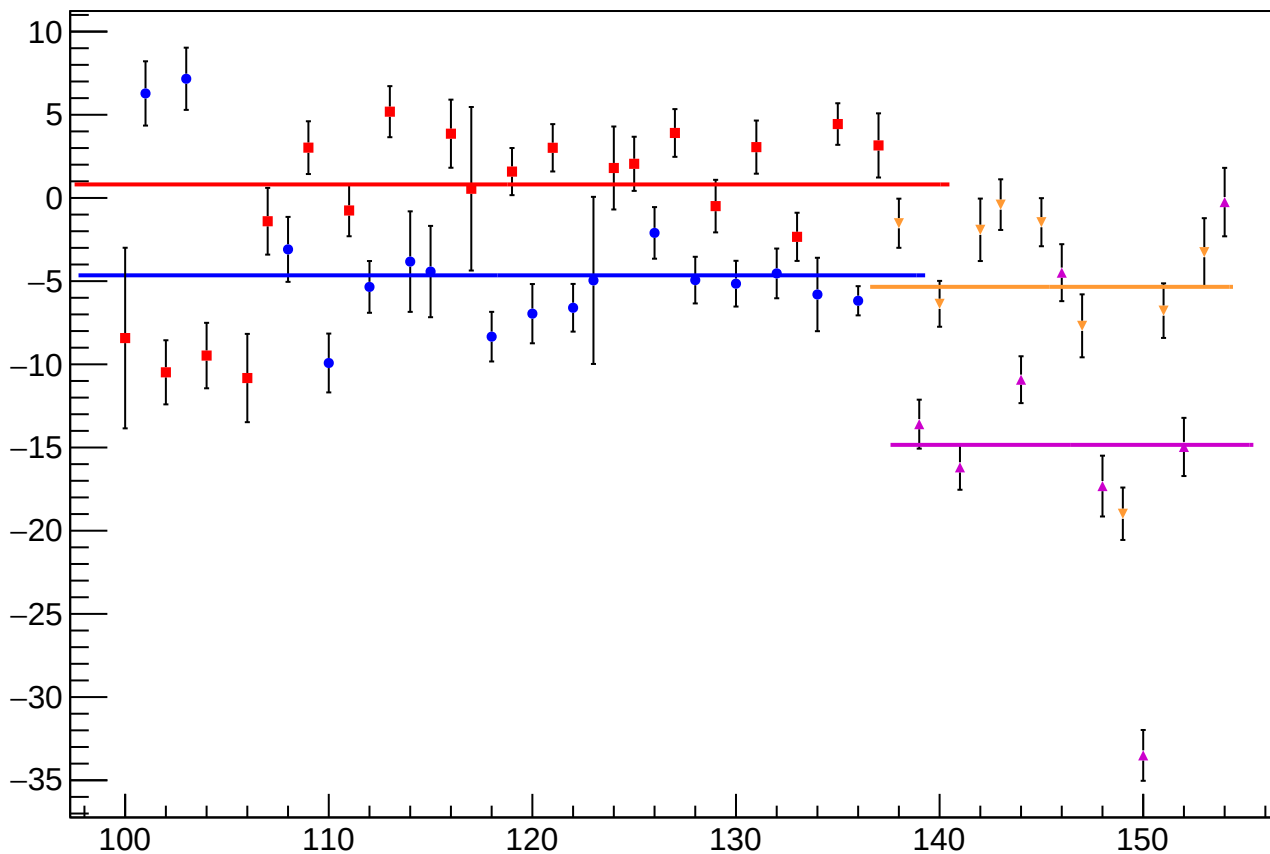
2341.348+/-0.535 χ^2/NDF : 7520393.5/25

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

2390.575+/-0.537 χ^2/NDF : 7681889.1/27

Left In: 2019.932+/-0.561 χ^2/NDF : 99177.2/7

diff_bpm0l04Y_mean vs Slug



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

Left Out: -5.342 ± 0.537 χ^2/NDF : 106.6/8

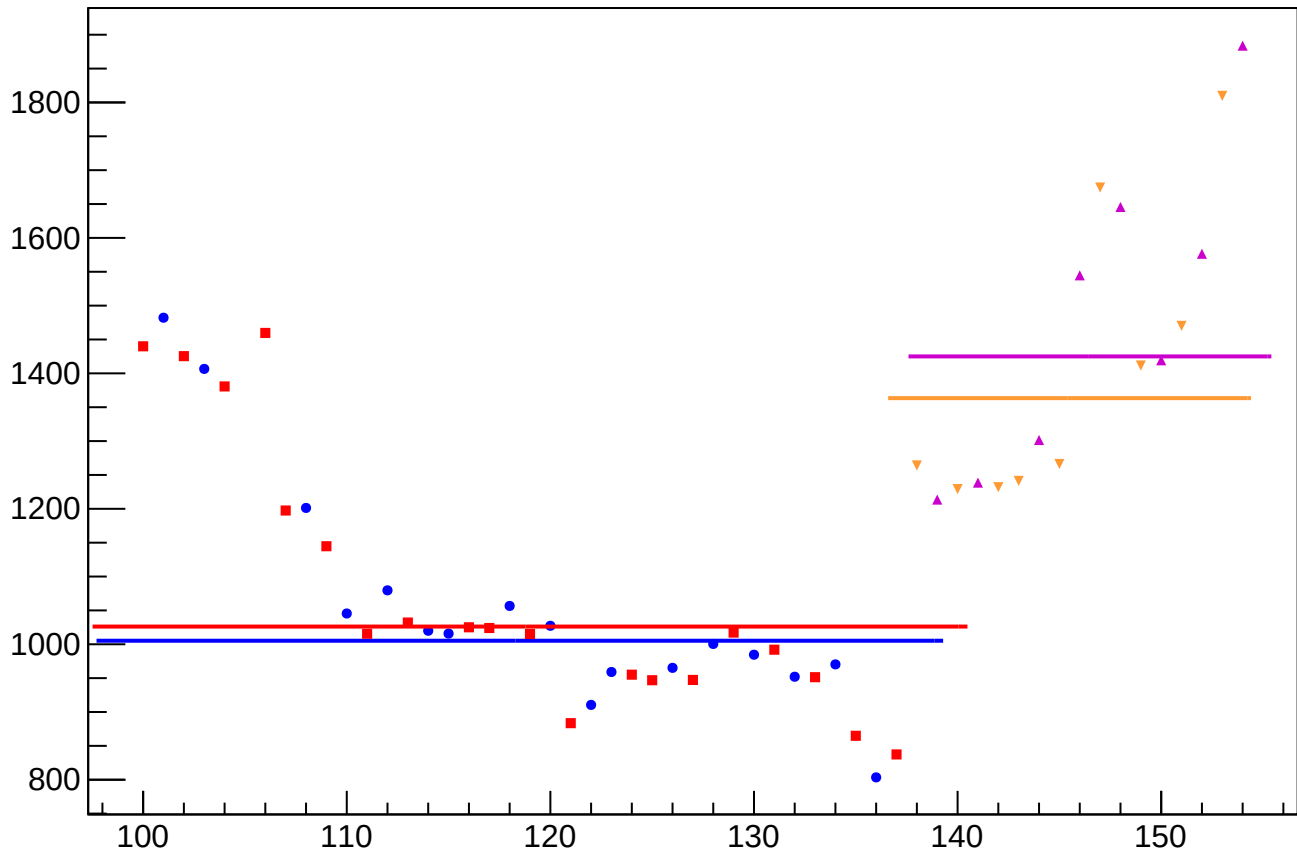
Right Out: 0.813 ± 0.387 χ^2/NDF : 123.7/19

Left In: -14.841 ± 0.564 χ^2/NDF : 247.5/7

-4.892 ± 0.317 χ^2/NDF : 205.3/25

-4.209 ± 0.319 χ^2/NDF : 895.3/27

diff_bpm0l04Y_rms vs Slug



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

Left Out: 1363.410+/-0.379 χ^2/NDF : 219618.4/8

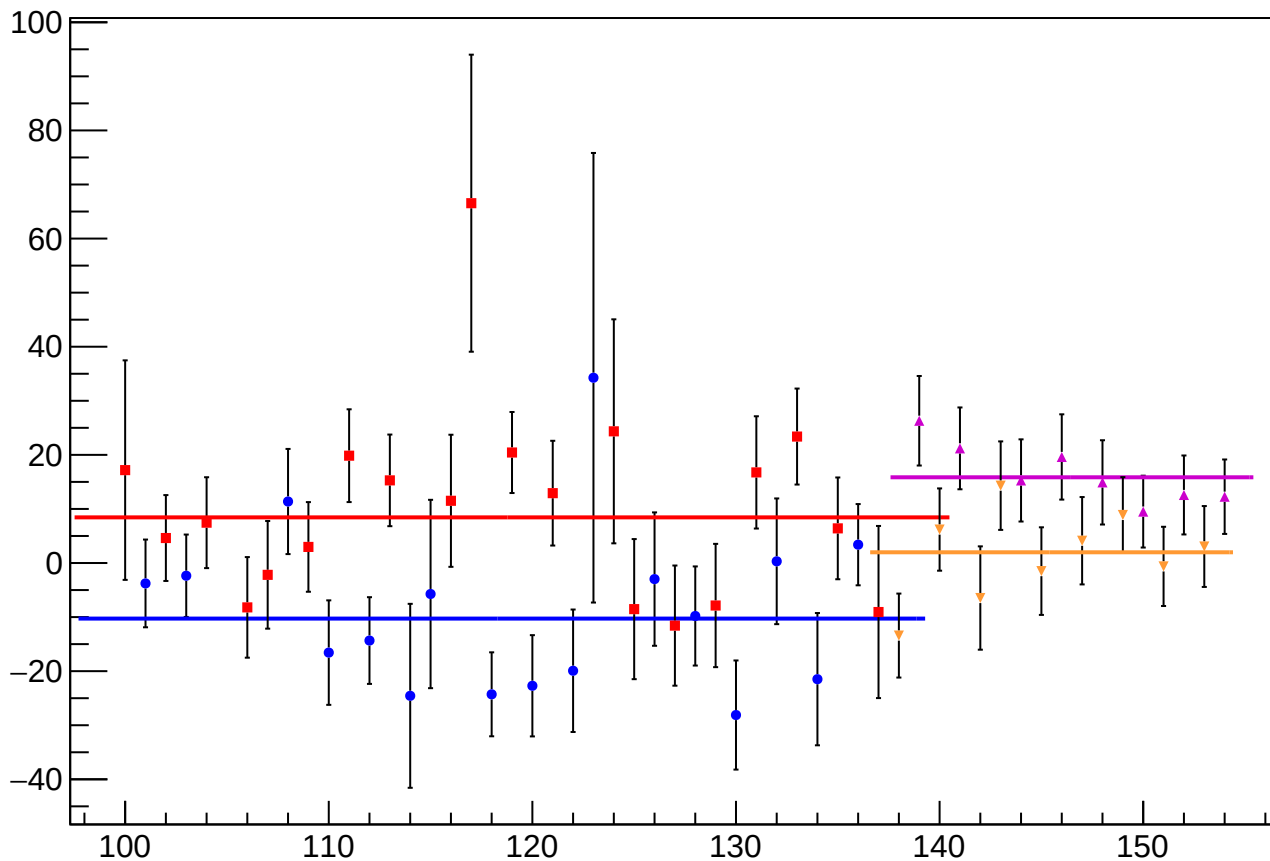
Right Out: 1026.145+/-0.274 χ^2/NDF : 333119.4/19

Left In: 1425.010+/-0.398 χ^2/NDF : 248292.9/7

1130.108+/-0.224 χ^2/NDF : 1161898.5/25

1154.109+/-0.226 χ^2/NDF : 1261971.4/27

diff_bpm0l05X_mean vs Slug



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

Left Out: 1.983 ± 2.606 χ^2/NDF : 8.7/8

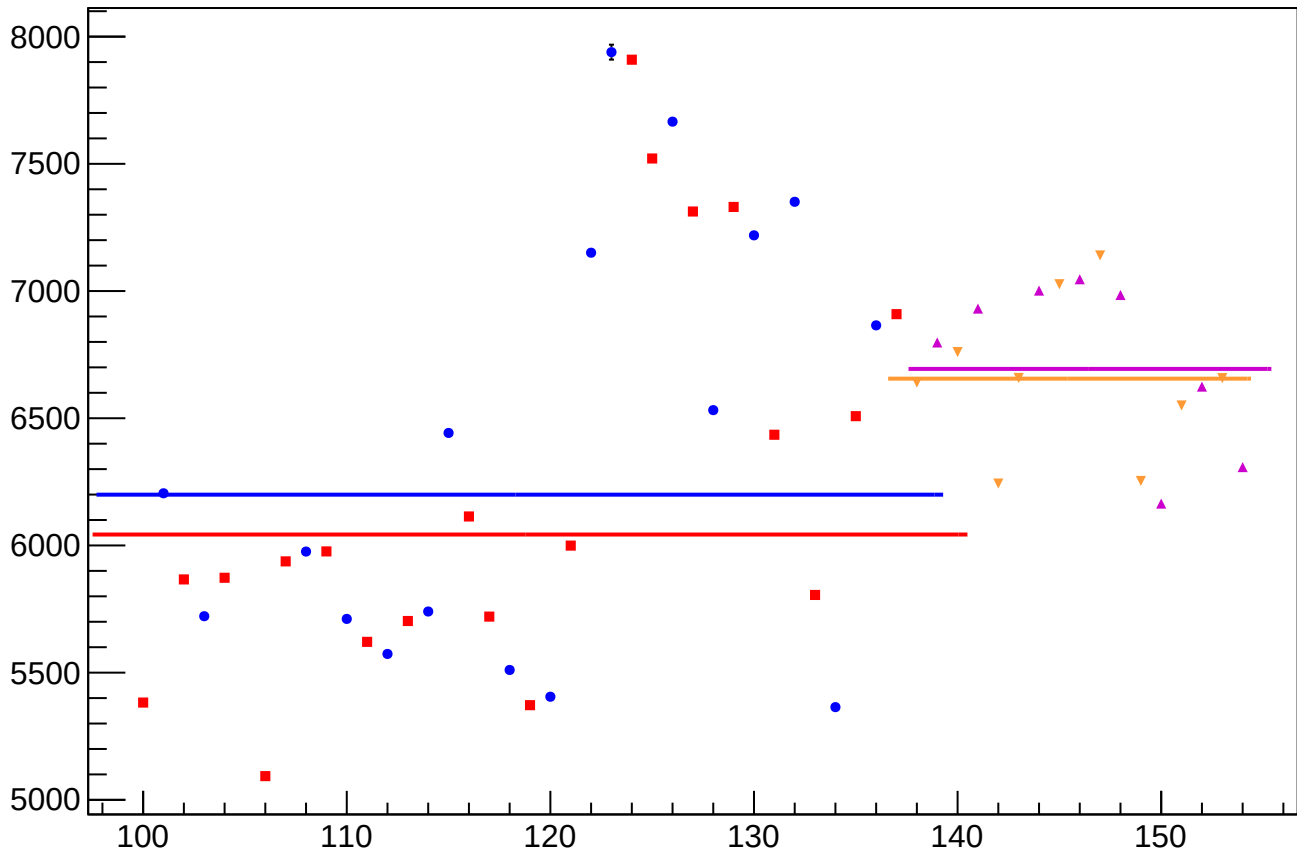
Right Out: 8.441 ± 2.271 χ^2/NDF : 27.3/19

Left In: 15.853 ± 2.631 χ^2/NDF : 3.7/7

-4.631 ± 1.768 χ^2/NDF : 44.1/25

11.605 ± 1.719 χ^2/NDF : 35.5/27

diff_bpm0l05X_rms vs Slug



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

Left Out: 6655.637 $\pm$ 1.843 χ^2 /NDF: 22526.9/8

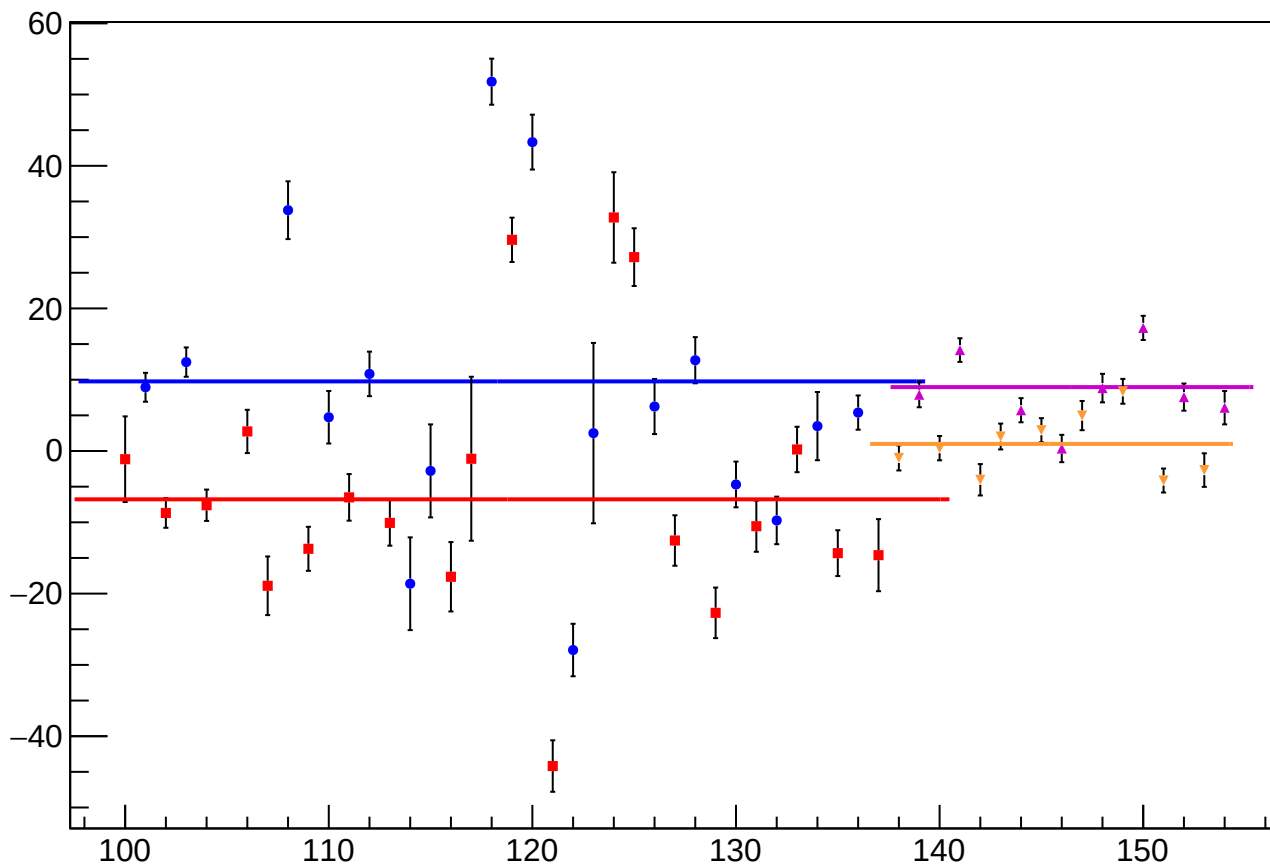
Right Out: 6042.952 $\pm$ 1.606 χ^2 /NDF: 158600.9/19

Left In: 6693.949 $\pm$ 1.860 χ^2 /NDF: 31506.5/7

6409.639 $\pm$ 1.250 χ^2 /NDF: 227326.7/25

6320.833 $\pm$ 1.216 χ^2 /NDF: 260281.7/27

diff_bpm0l05Y_mean vs Slug



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

Left Out: 0.997 ± 0.617 χ^2/NDF : 41.7/8

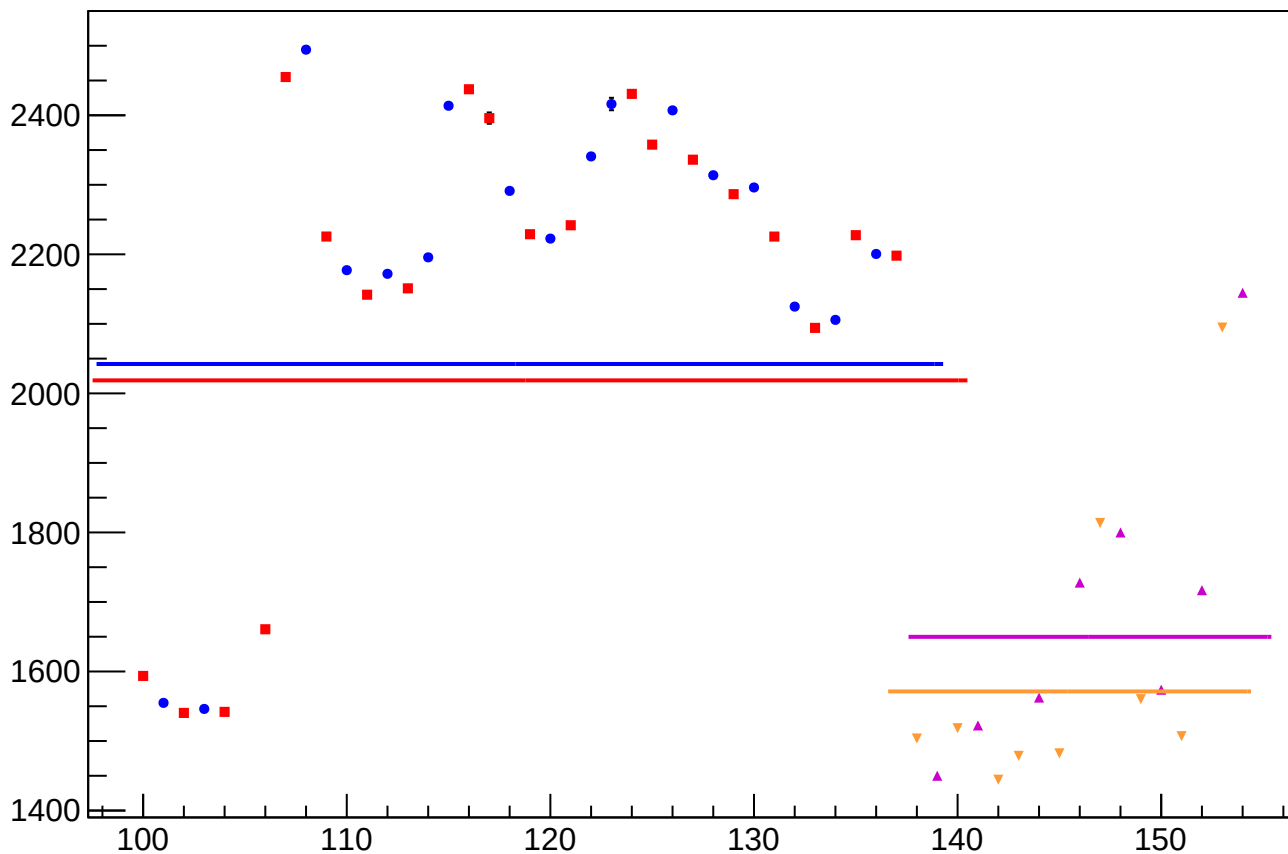
Right Out: -6.776 ± 0.763 χ^2/NDF : 422.1/19

Left In: 8.964 ± 0.650 χ^2/NDF : 60.1/7

4.281 ± 0.488 χ^2/NDF : 591.1/25

2.343 ± 0.495 χ^2/NDF : 728.7/27

diff_bpm0l05Y_rms vs Slug



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

Left Out: 1571.298+/-0.436 χ^2/NDF :152178.8/8

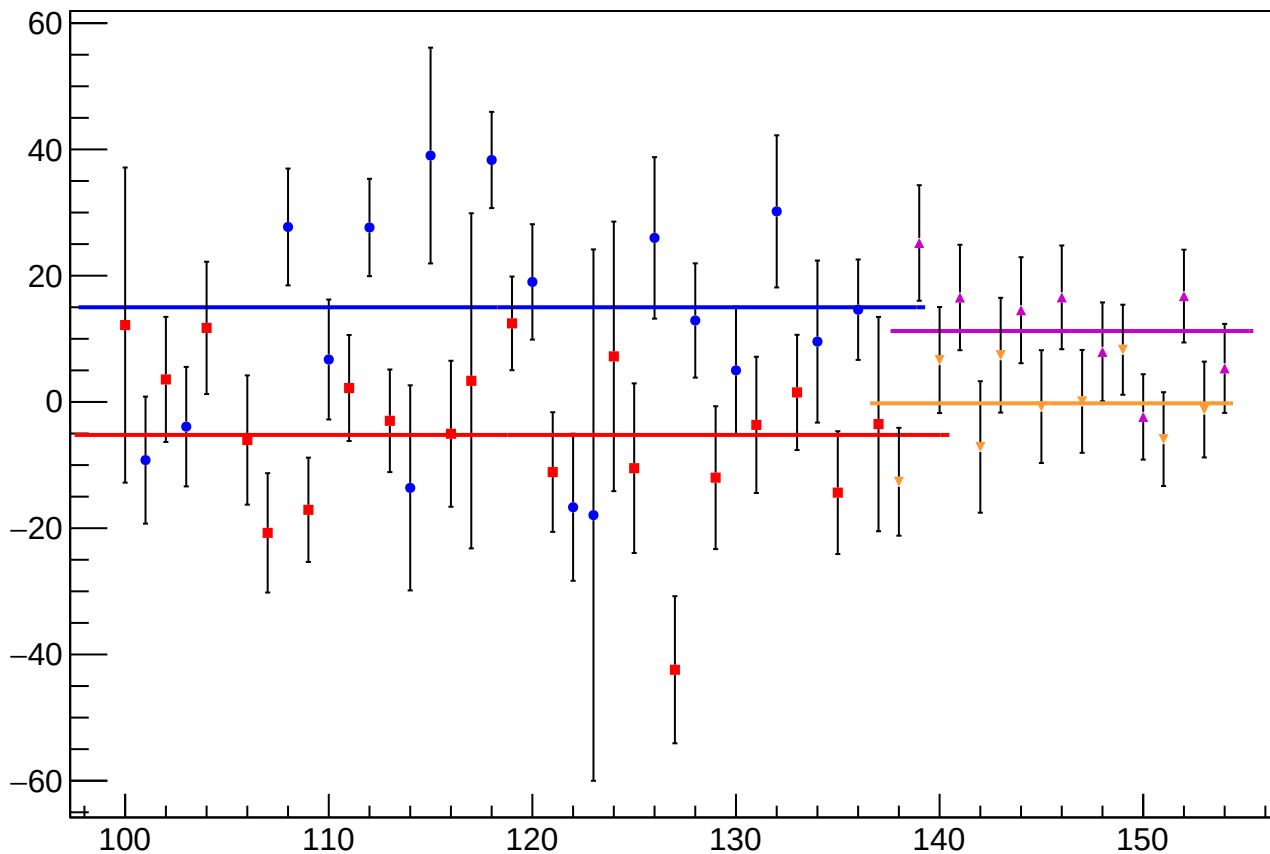
Right Out: 2018.694+/-0.540 χ^2/NDF : 377792.4/19

Left In: 1649.835+/-0.460 χ^2/NDF :153762.1/7

1747.689+/-0.345 χ^2/NDF : 945997.8/25

1804.995+/-0.350 χ^2/NDF : 802298.7/27

diff_bpm0l06X_mean vs Slug



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

Left Out: -0.212 $\pm$ 2.753 χ^2 /NDF: 5.9/8

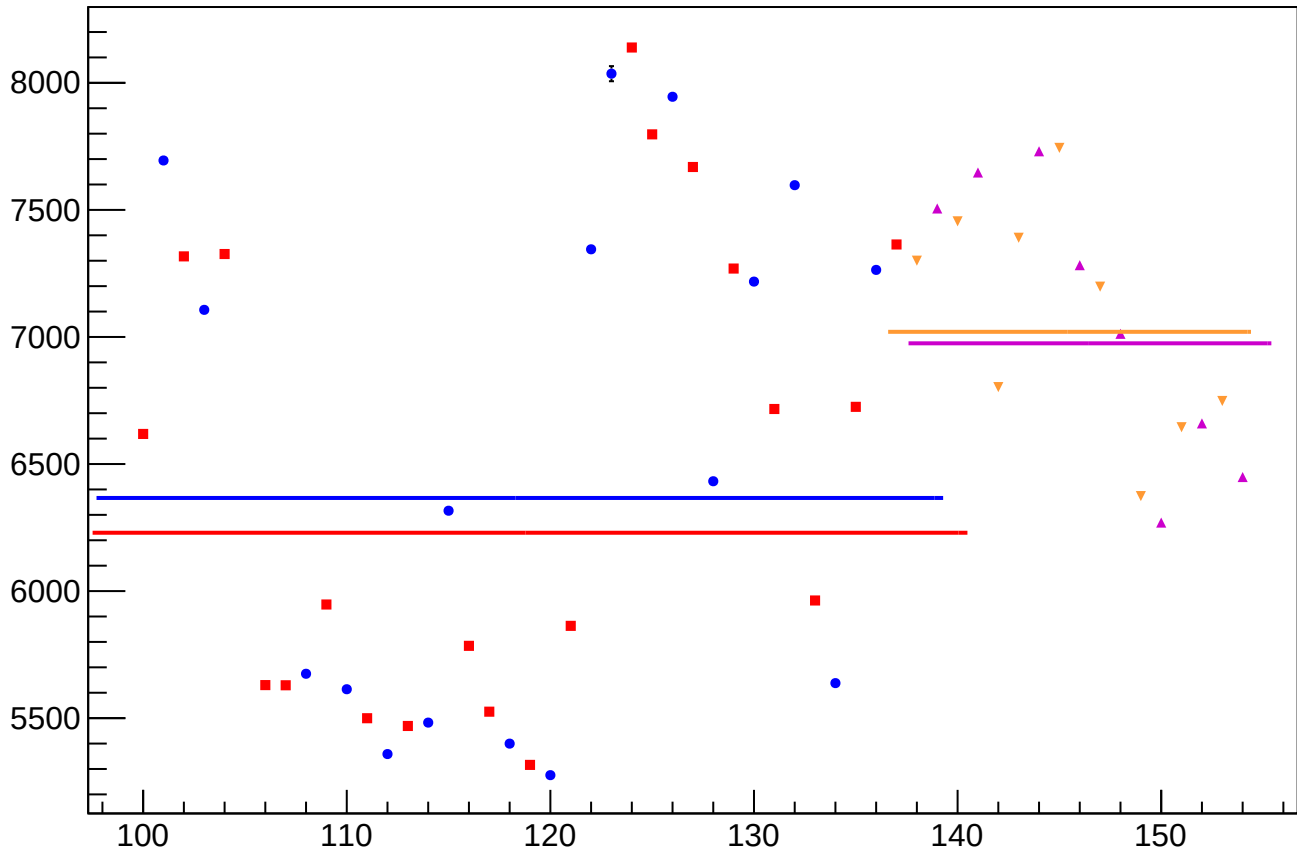
Right Out: -5.223 $\pm$ 2.348 χ^2 /NDF: 28.2/19

Left In: 11.237 $\pm$ 2.751 χ^2 /NDF: 8.8/7

8.168 $\pm$ 1.845 χ^2 /NDF: 64.1/25

1.714 $\pm$ 1.786 χ^2 /NDF: 57.7/27

diff_bpm0l06X_rms vs Slug



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

Left Out: 7020.276+/-1.947 χ^2/NDF : 49887.8/8

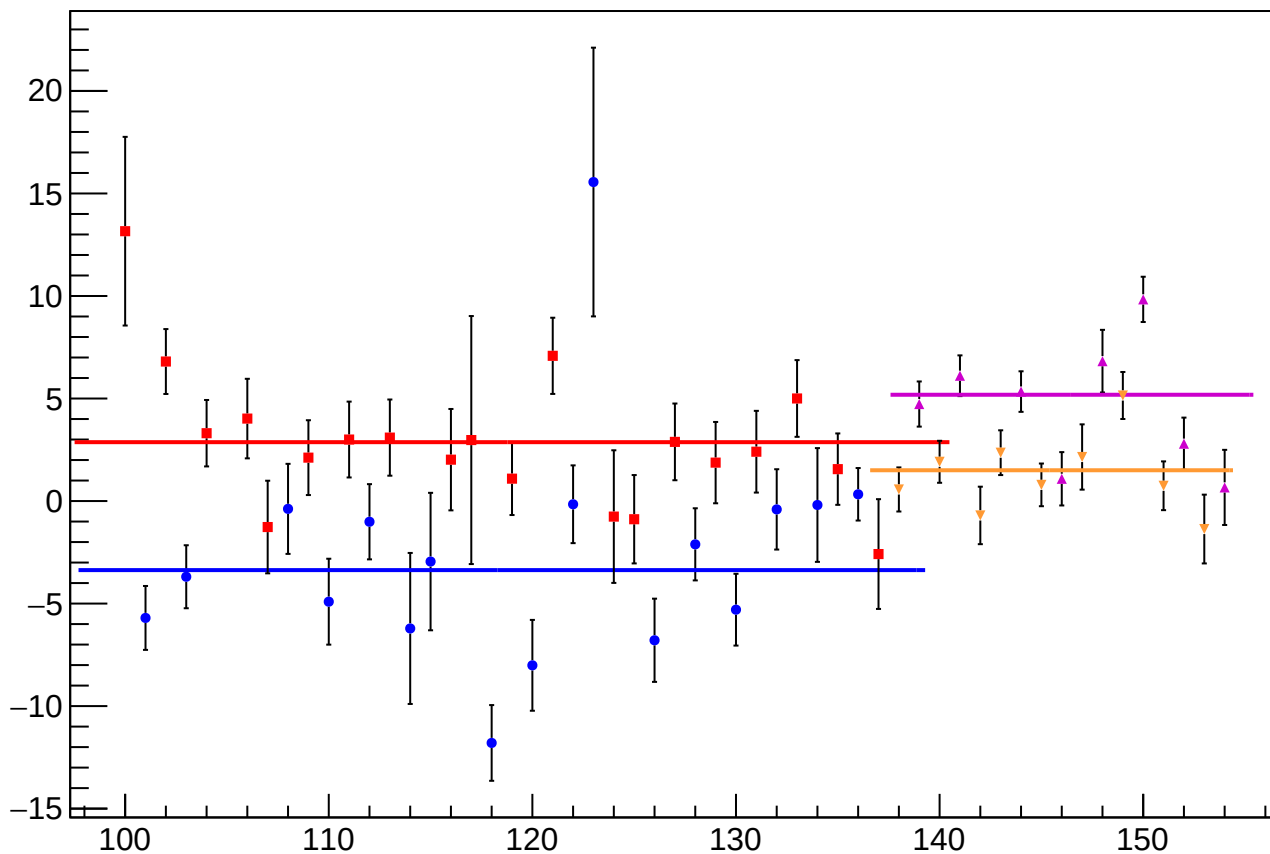
6660.051+/-1.304 χ^2/NDF : 398526.6/25

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

6543.753+/-1.263 χ^2/NDF : 404875.2/27

Left In: 6975.013+/-1.945 χ^2/NDF : 75321.0/7

diff_bpm0l06Y_mean vs Slug



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

Left Out: 1.501 ± 0.398 $\chi^2/\text{NDF}: 18.1/8$

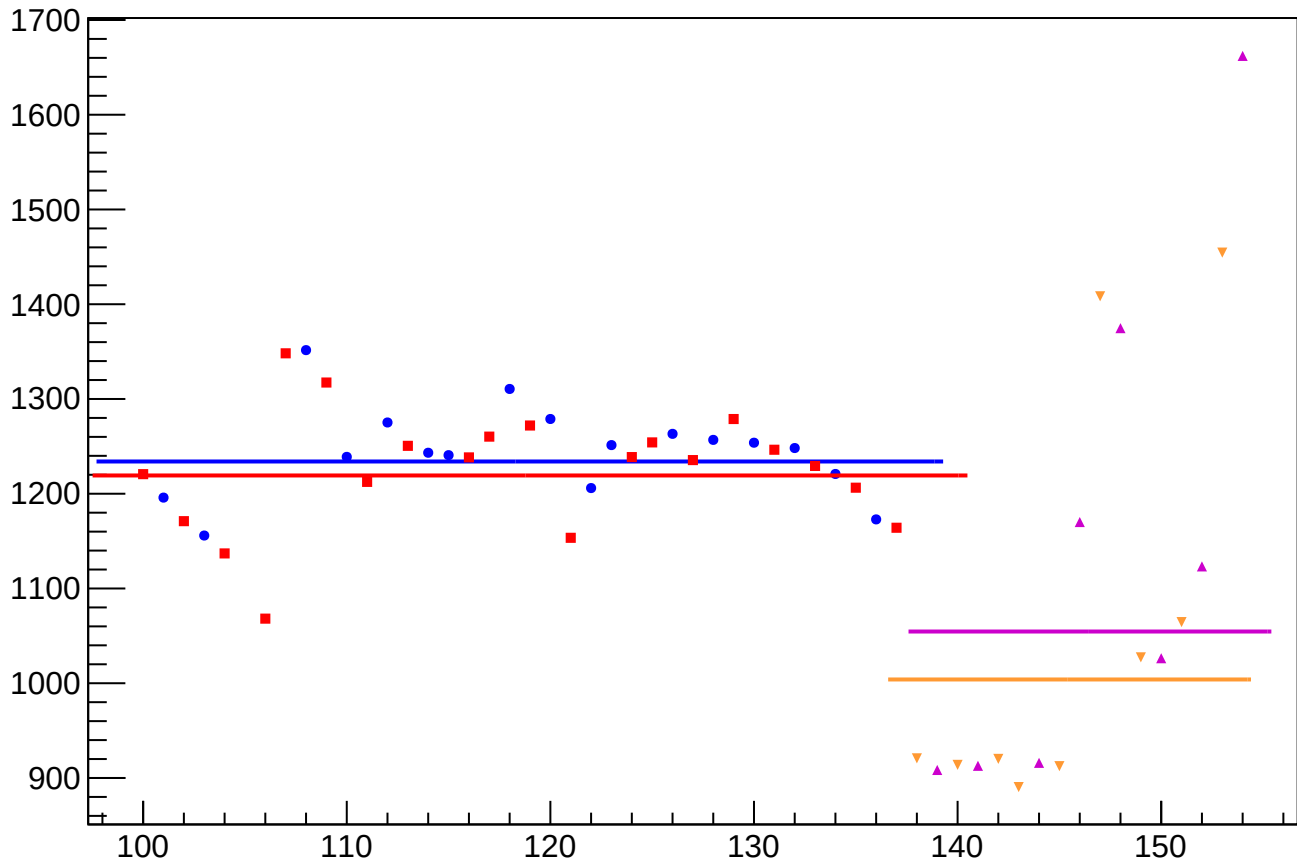
Right Out: 2.871 ± 0.455 $\chi^2/\text{NDF}: 32.0/19$

Left In: 5.183 ± 0.422 $\chi^2/\text{NDF}: 39.5/7$

-0.506 ± 0.305 $\chi^2/\text{NDF}: 139.6/25$

4.115 ± 0.309 $\chi^2/\text{NDF}: 85.4/27$

diff_bpm0l06Y_rms vs Slug



Right In: 1234.032 ± 0.336 $\chi^2/\text{NDF}: 23565.3/16$

Left Out: 1003.964 ± 0.282 $\chi^2/\text{NDF}: 351081.3/8$

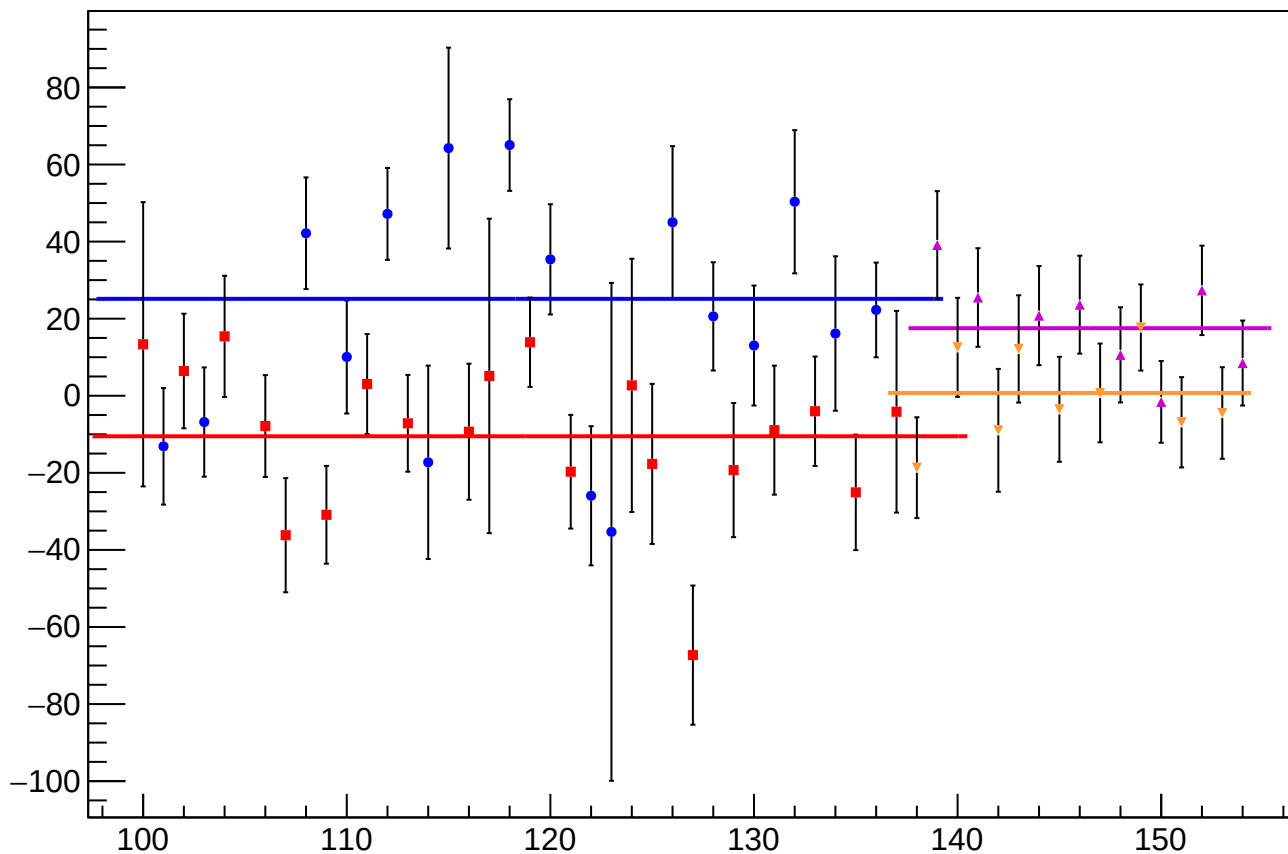
Right Out: 1219.275 ± 0.322 $\chi^2/\text{NDF}: 40462.8/19$

Left In: 1054.582 ± 0.298 $\chi^2/\text{NDF}: 445964.8/7$

1098.784 ± 0.216 $\chi^2/\text{NDF}: 649860.9/25$

1130.700 ± 0.219 $\chi^2/\text{NDF}: 627287.5/27$

diff_bpm0l07X_mean vs Slug



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

Left Out: 0.725 ± 4.269 $\chi^2/\text{NDF}: 7.1/8$

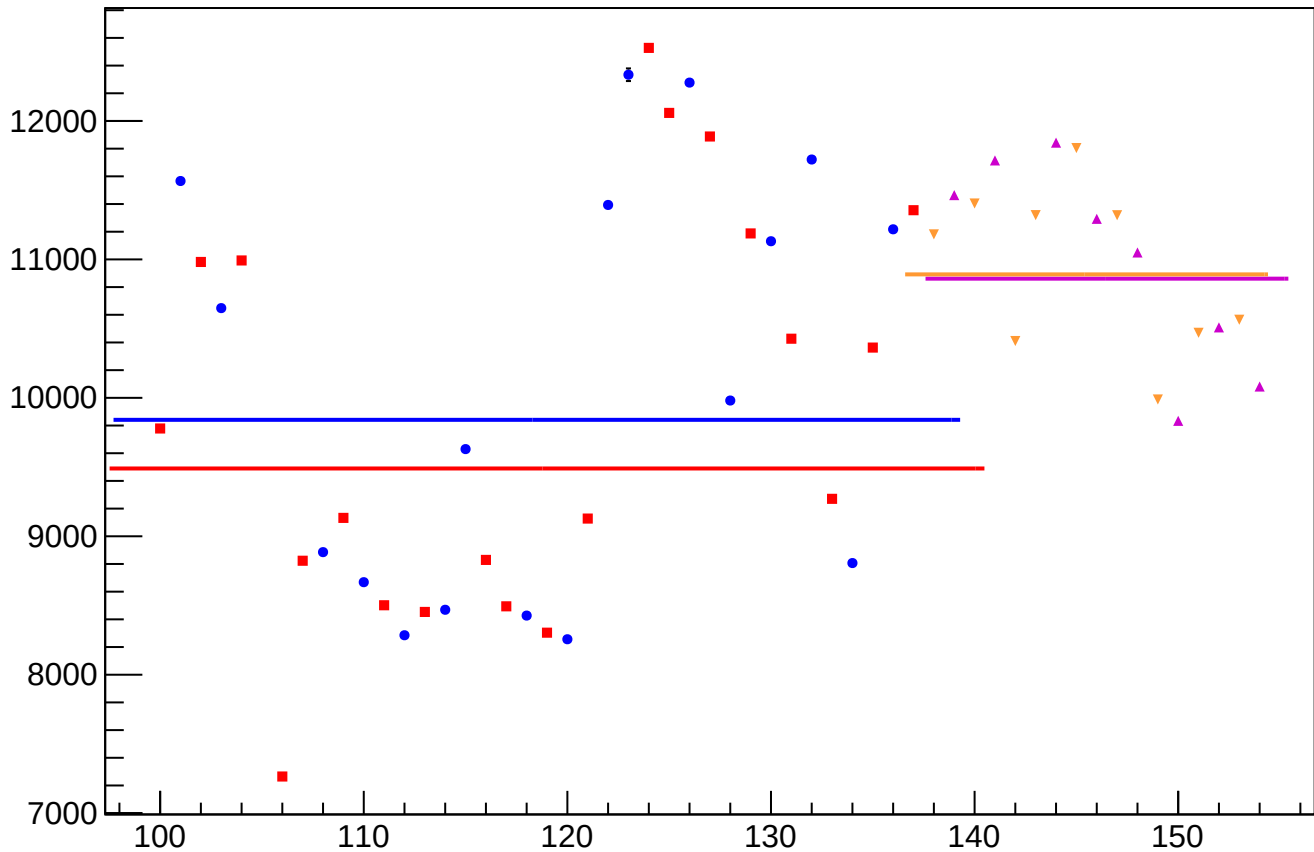
Right Out: -10.513 ± 3.581 $\chi^2/\text{NDF}: 27.8/19$

Left In: 17.525 ± 4.280 $\chi^2/\text{NDF}: 8.0/7$

14.234 ± 2.854 $\chi^2/\text{NDF}: 72.1/25$

1.032 ± 2.746 $\chi^2/\text{NDF}: 61.1/27$

diff_bpm0l07X_rms vs Slug



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

Left Out: 10891.799+/-3.019 χ^2/NDF : 36257.9/8

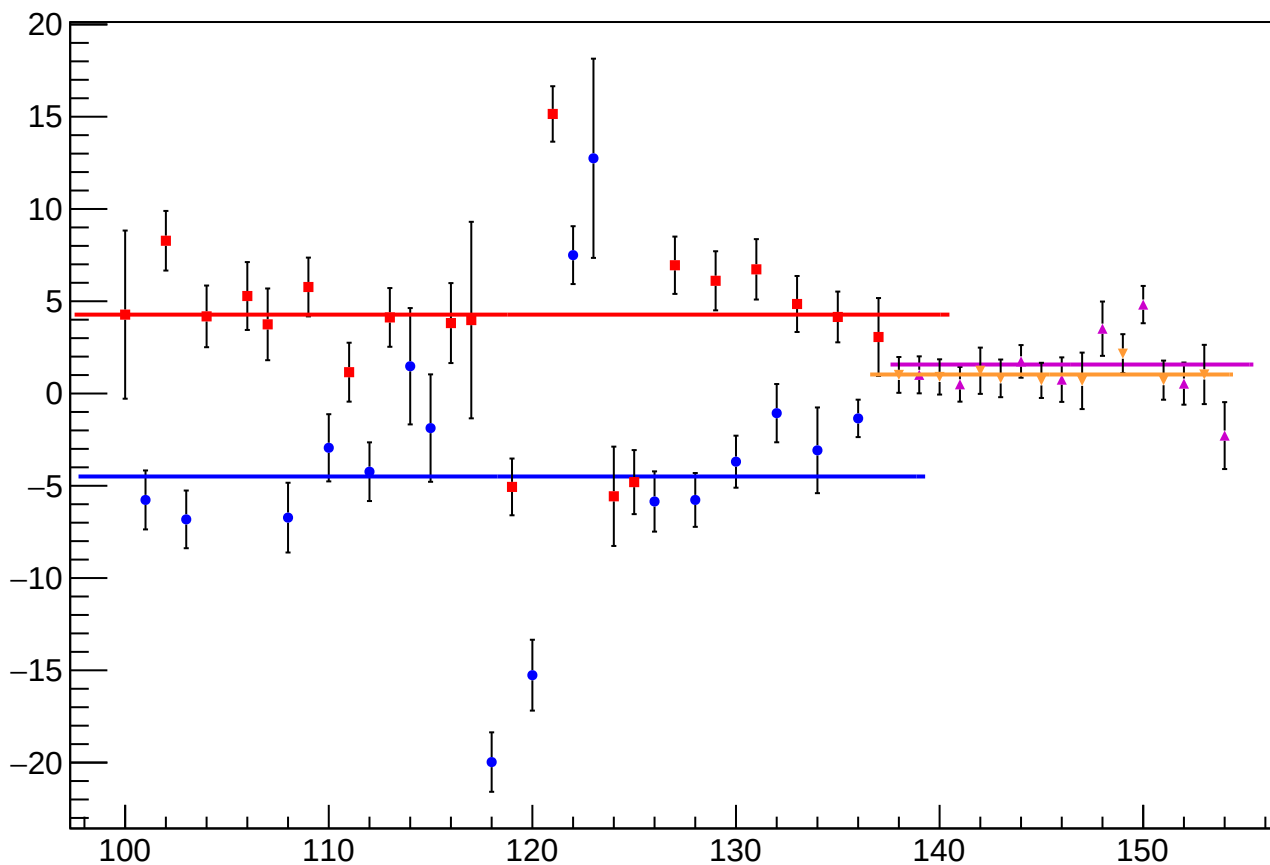
10310.686+/-2.018 χ^2/NDF : 363317.5/25

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

10054.336+/-1.942 χ^2/NDF : 456341.7/27

Left In: 10860.926+/-3.026 χ^2/NDF : 57690.0/7

diff_bpm0l07Y_mean vs Slug



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

Left Out: 1.031 ± 0.366 χ^2/NDF : 1.5/8

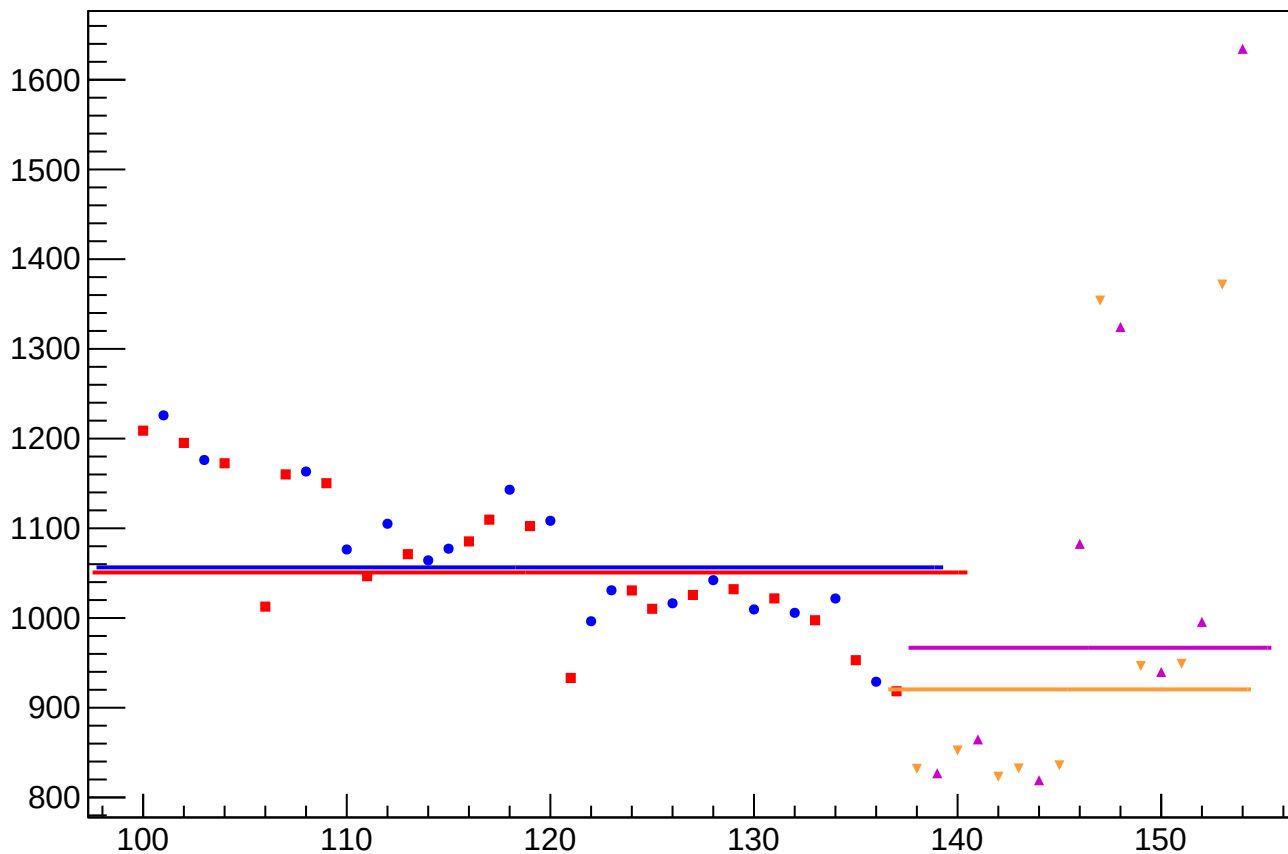
Right Out: 4.275 ± 0.393 χ^2/NDF : 148.2/19

Left In: 1.571 ± 0.389 χ^2/NDF : 19.5/7

-1.434 ± 0.273 χ^2/NDF : 321.5/25

2.910 ± 0.276 χ^2/NDF : 191.7/27

diff_bpm0l07Y_rms vs Slug



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

Left Out: 920.448+/-0.259 χ^2/NDF : 390717.8/8

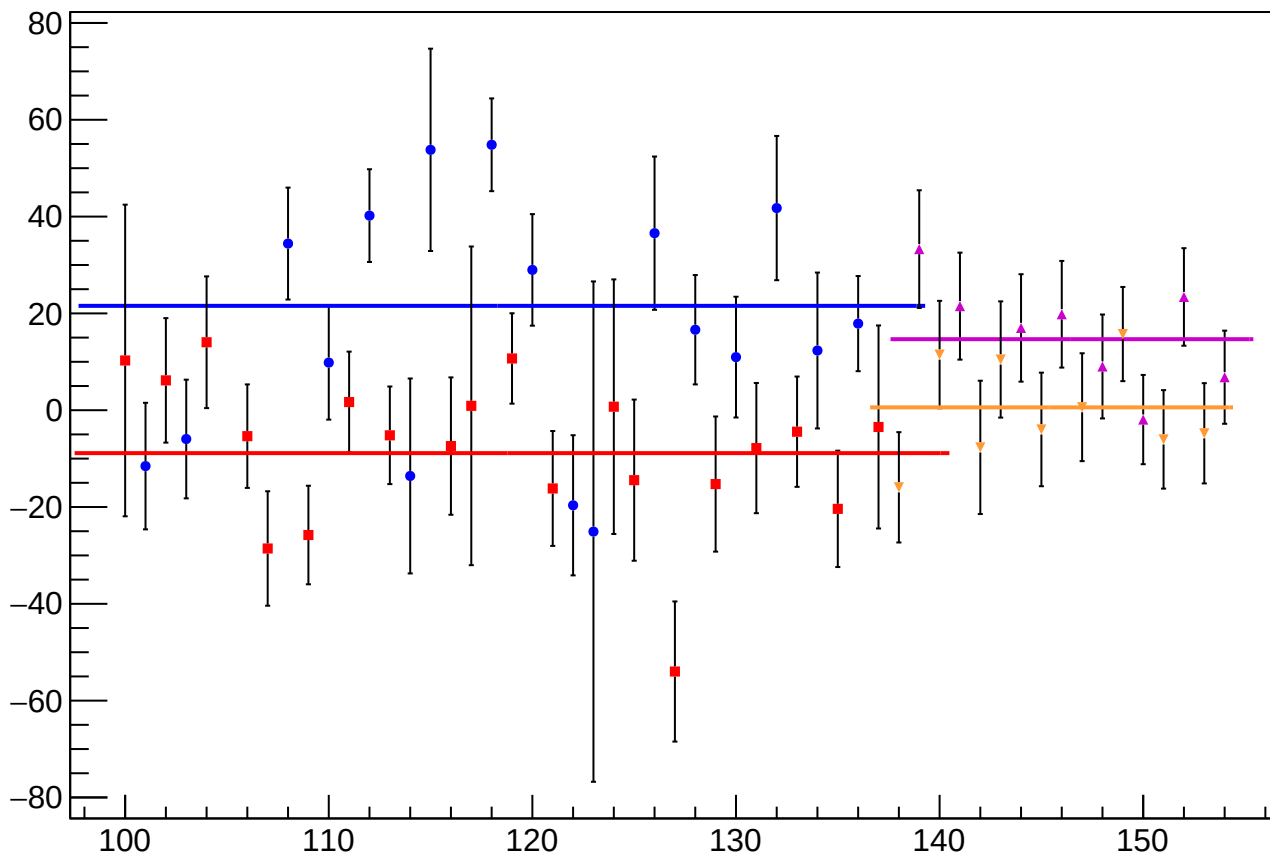
Right Out: 1050.765+/-0.278 χ^2/NDF : 82642.2/19

Left In: 966.855+/-0.275 χ^2/NDF : 528763.8/7

981.091+/-0.193 χ^2/NDF : 604492.8/25

1008.416+/-0.195 χ^2/NDF : 657461.4/27

diff_bpm0l08X_mean vs Slug



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

Left Out: 0.584 ± 3.704 $\chi^2/\text{NDF}: 7.4/8$

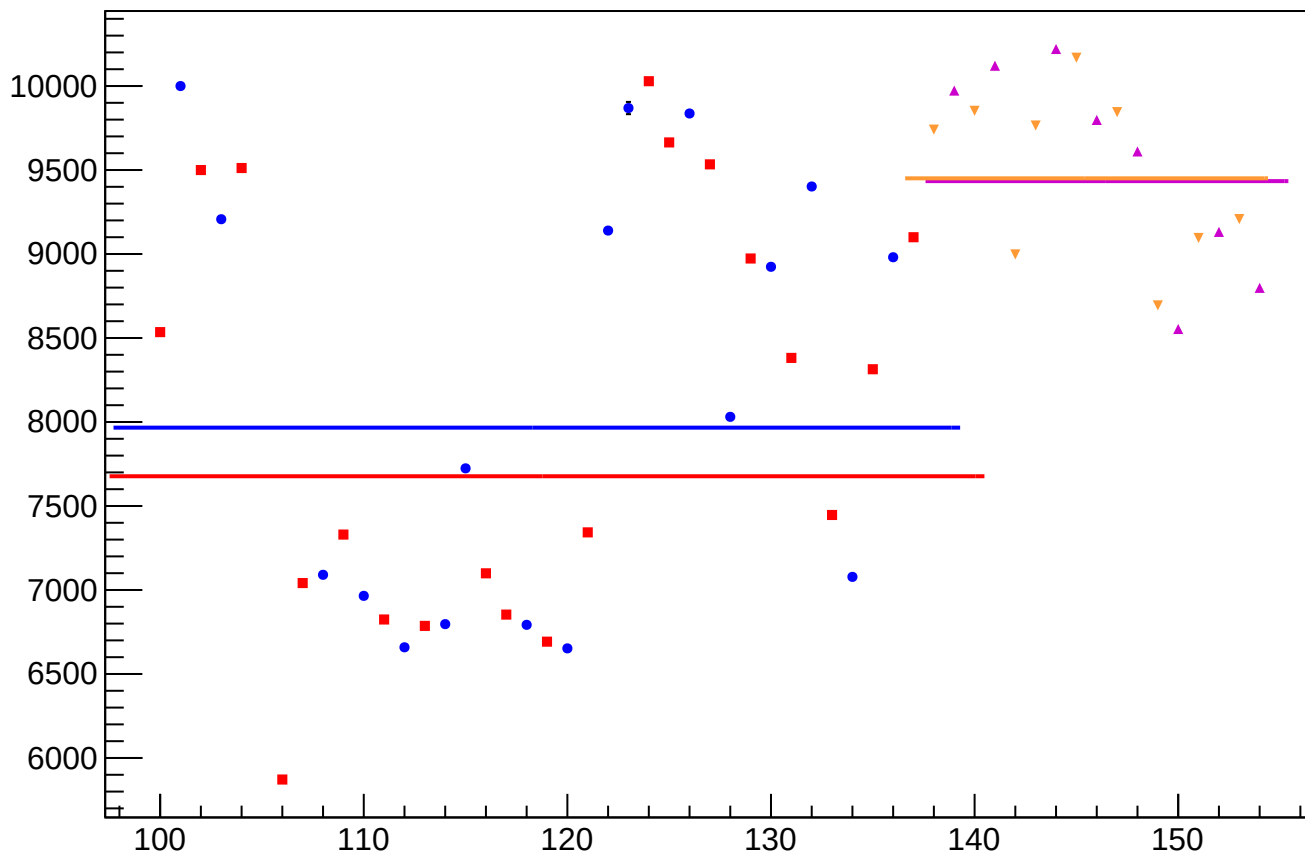
Right Out: -8.867 ± 2.901 $\chi^2/\text{NDF}: 27.5/19$

Left In: 14.673 ± 3.716 $\chi^2/\text{NDF}: 7.9/7$

12.885 ± 2.382 $\chi^2/\text{NDF}: 74.6/25$

0.044 ± 2.287 $\chi^2/\text{NDF}: 60.4/27$

diff_bpm0l08X_rms vs Slug



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

Left Out: 9450.473 $\pm$ 2.619 χ^2 /NDF:33065.4/8

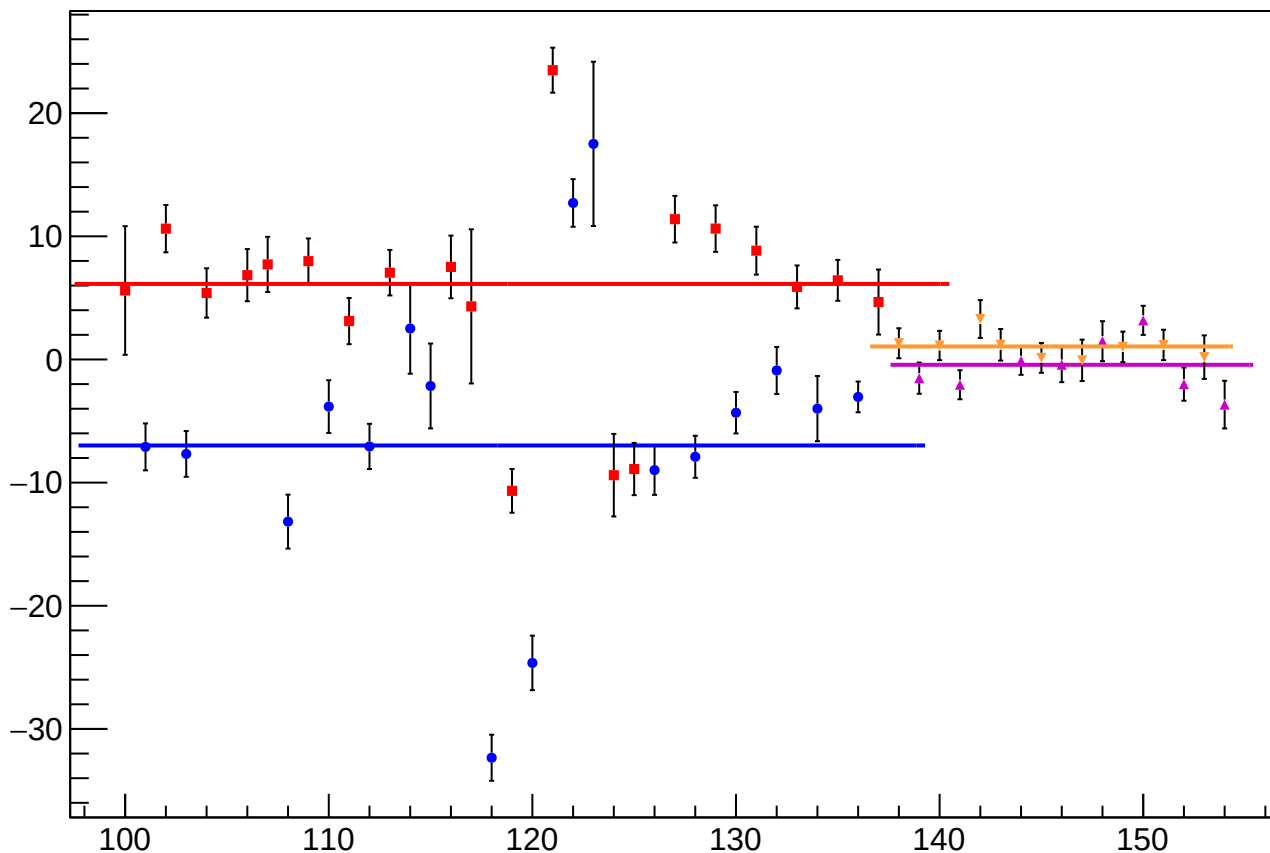
Right Out: 7677.035 $\pm$ 2.051 χ^2 /NDF: 316295.2/19

Left In: 9433.858 $\pm$ 2.628 χ^2 /NDF:53168.3/7

8580.202 $\pm$ 1.684 χ^2 /NDF: 517993.3/25

8342.066 $\pm$ 1.617 χ^2 /NDF: 647205.6/27

diff_bpm0l08Y_mean vs Slug



Right In: -6.984 $\pm$ 0.486 χ^2 /NDF: 408.5/16

Left Out: 1.059 $\pm$ 0.444 χ^2 /NDF: 3.5/8

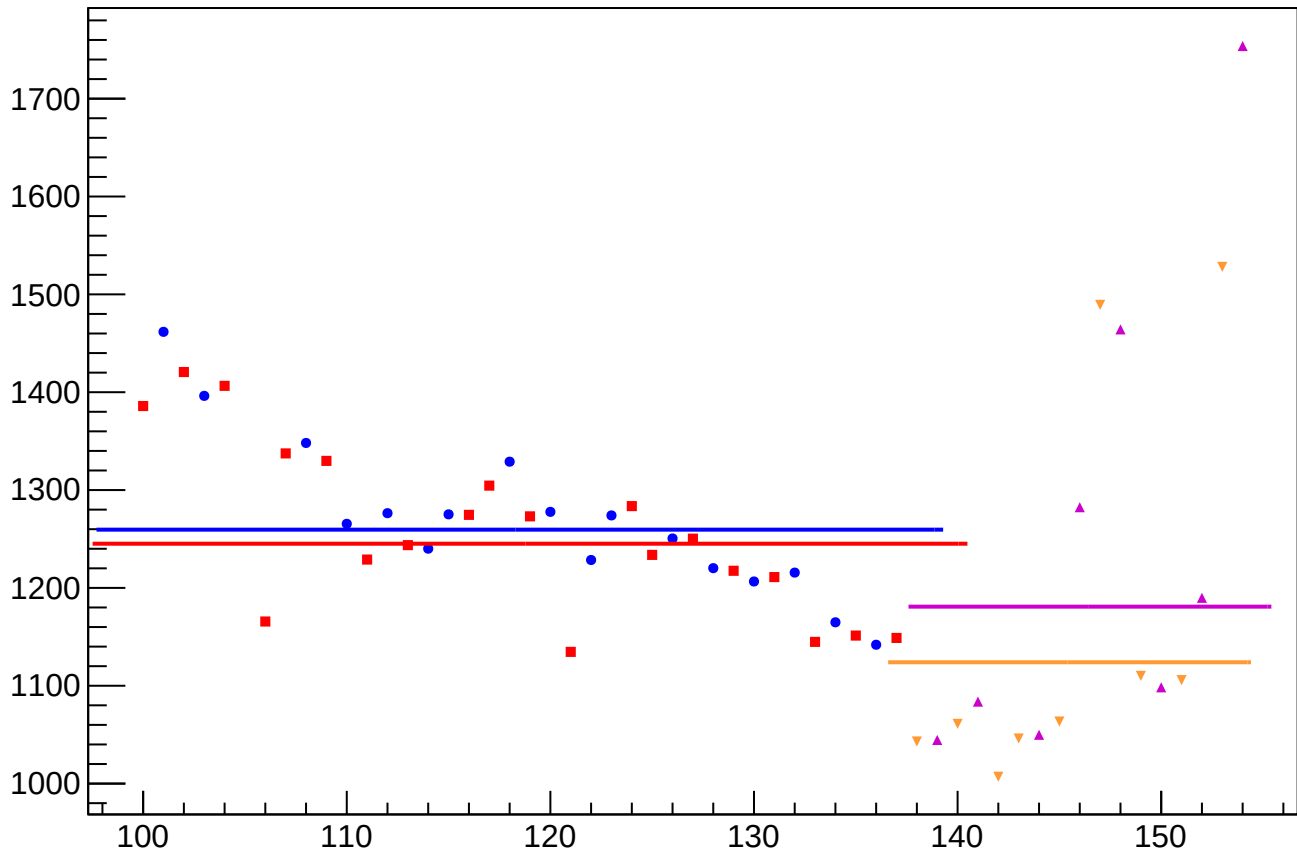
Right Out: 6.135 $\pm$ 0.465 χ^2 /NDF: 277.6/19

Left In: -0.434 $\pm$ 0.470 χ^2 /NDF: 17.6/7

-2.598 $\pm$ 0.328 χ^2 /NDF: 561.2/25

2.883 $\pm$ 0.331 χ^2 /NDF: 393.8/27

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1124.008 ± 0.314 χ^2/NDF : 237924.4/8

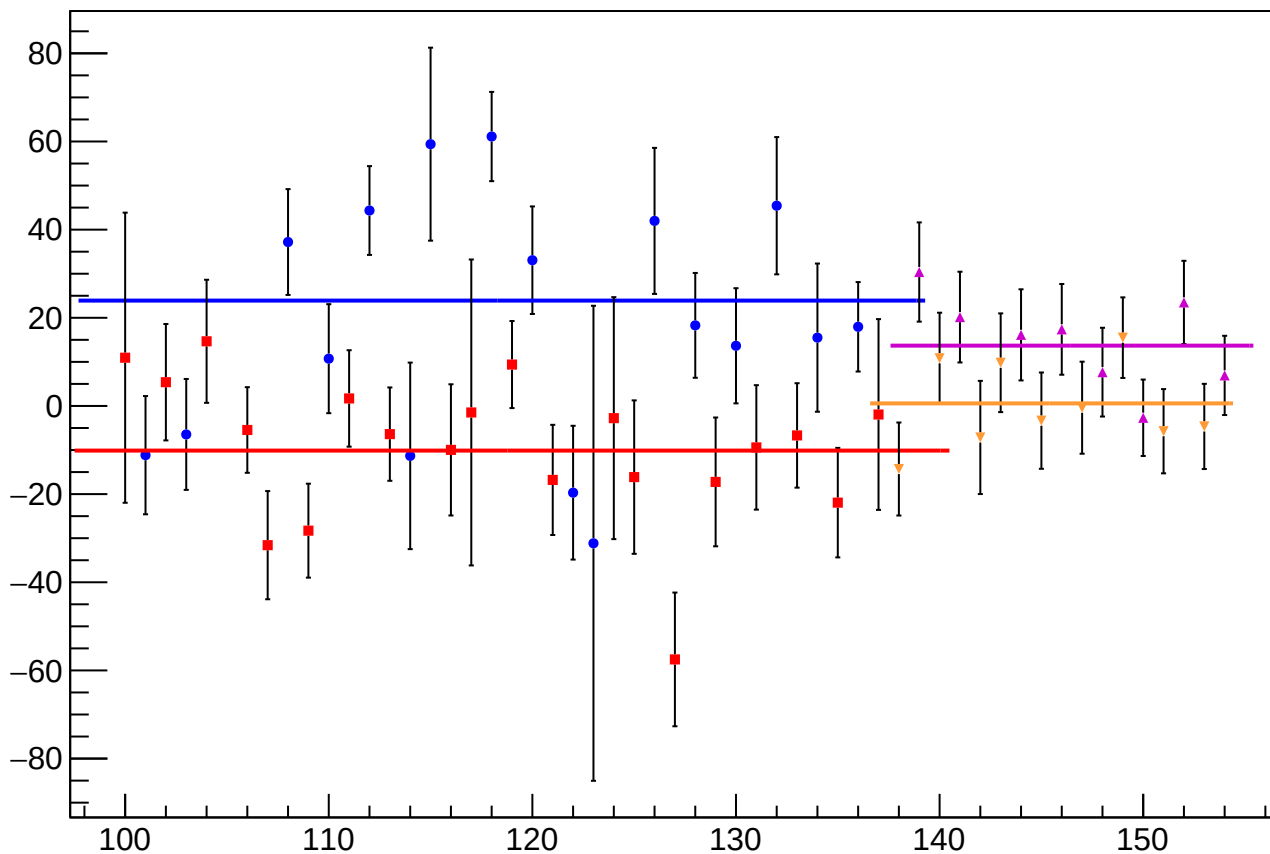
Right Out: 1245.167 ± 0.329 χ^2/NDF : 67006.8/19

Left In: 1180.846 ± 0.332 χ^2/NDF : 319525.2/7

1185.625 ± 0.232 χ^2/NDF : 387516.7/25

1213.328 ± 0.234 χ^2/NDF : 405444.7/27

diff_bpm0l09X_mean vs Slug



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

Left Out: 0.585 ± 3.459 $\chi^2/\text{NDF}: 7.5/8$

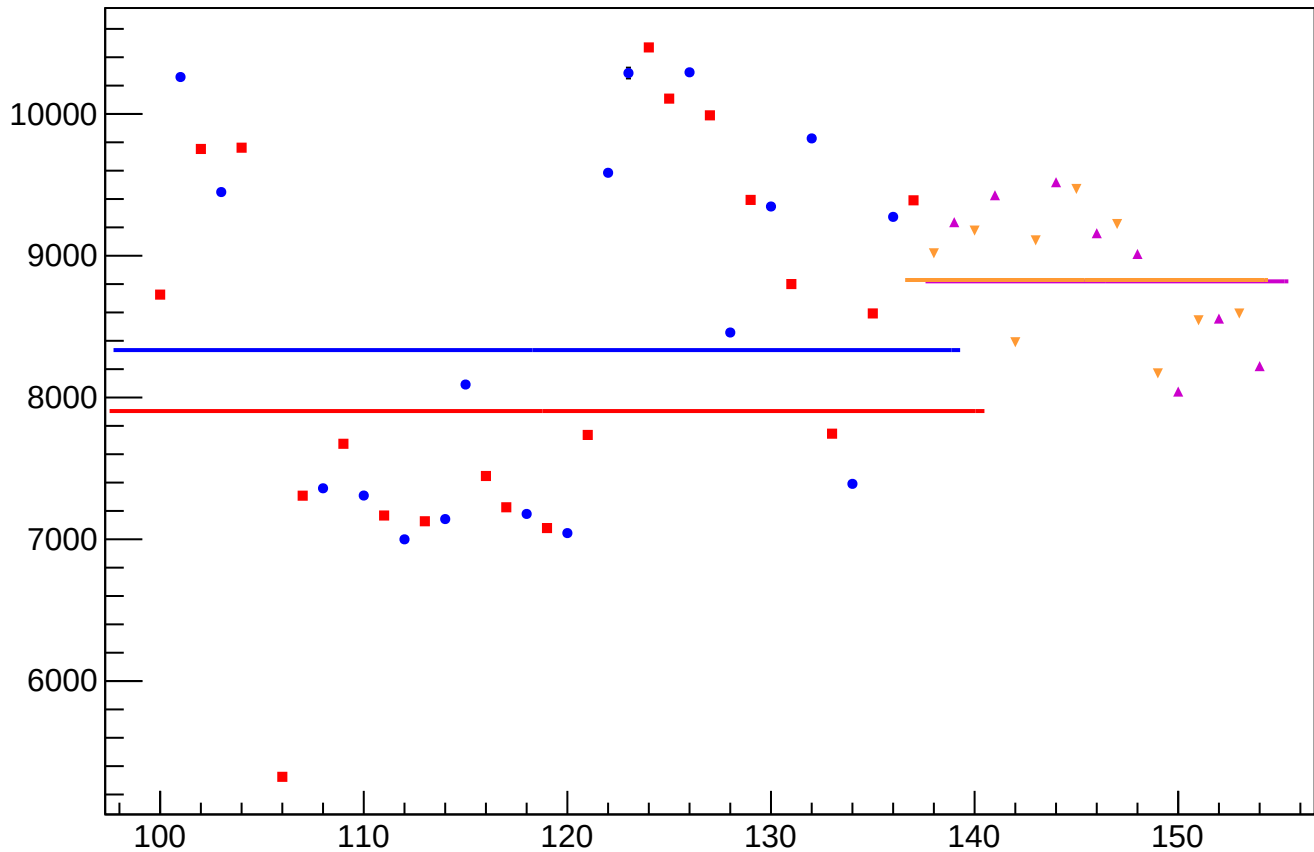
Right Out: -10.125 ± 2.994 $\chi^2/\text{NDF}: 28.0/19$

Left In: 13.684 ± 3.473 $\chi^2/\text{NDF}: 8.3/7$

12.969 ± 2.369 $\chi^2/\text{NDF}: 84.1/25$

0.026 ± 2.268 $\chi^2/\text{NDF}: 63.3/27$

diff_bpm0l09X_rms vs Slug



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

Left Out: 8828.838 $\pm$ 2.446 χ^2 /NDF: 29611.0/8

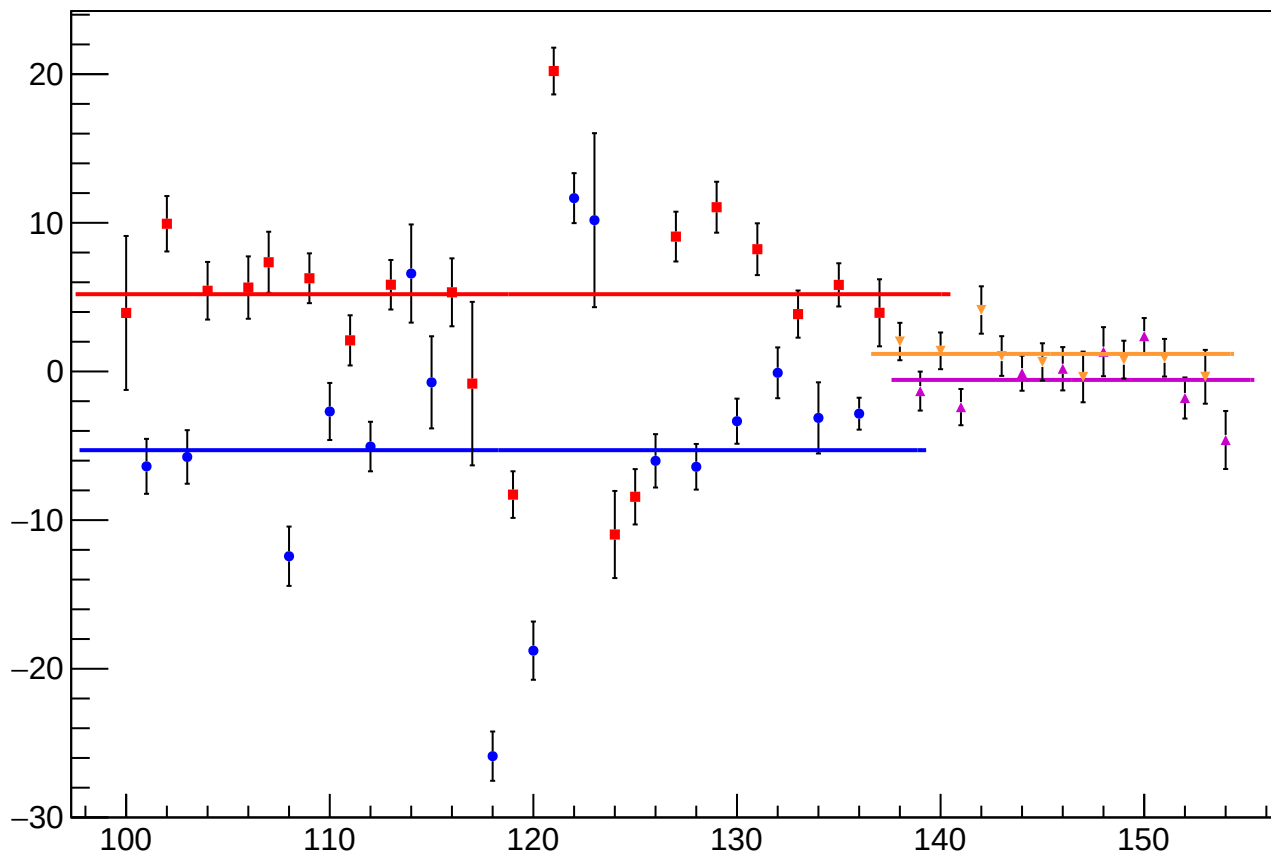
Right Out: 7904.529 $\pm$ 2.117 χ^2 /NDF: 391589.9/19

Left In: 8819.318 $\pm$ 2.456 χ^2 /NDF: 48258.5/7

8566.314 $\pm$ 1.675 χ^2 /NDF: 323603.3/25

8294.558 $\pm$ 1.604 χ^2 /NDF: 519434.3/27

diff_bpm0l09Y_mean vs Slug



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

Left Out: 1.181+/-0.458 χ^2 /NDF: 5.8/8

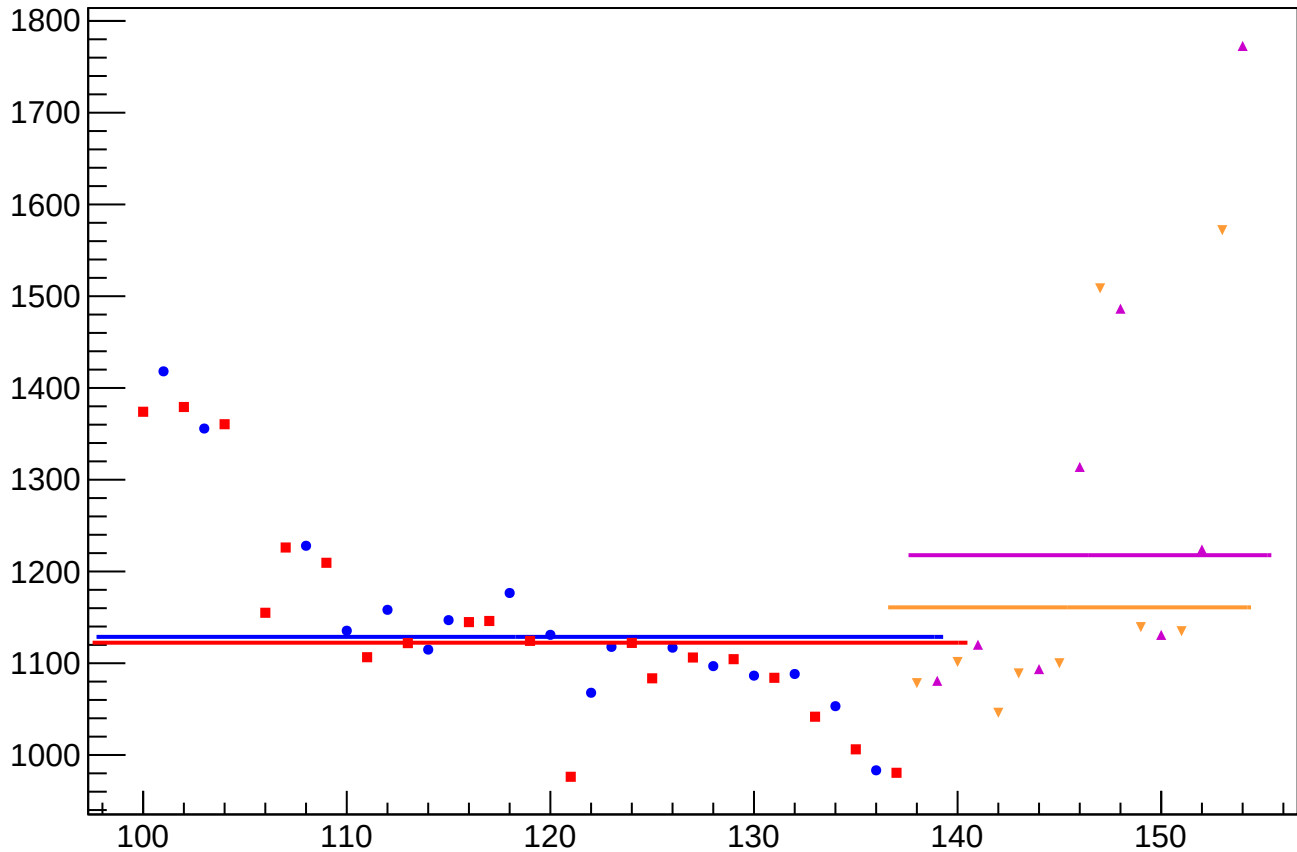
Right Out: 5.198+/-0.420 χ^2 /NDF: 283.1/19

Left In: -0.568+/-0.484 χ^2 /NDF: 15.2/7

-2.209+/-0.316 χ^2 /NDF: 468.6/25

2.717+/-0.317 χ^2 /NDF: 379.2/27

diff_bpm0l09Y_rms vs Slug



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

Left Out: 1160.904+/-0.324 χ^2/NDF : 221989.9/8

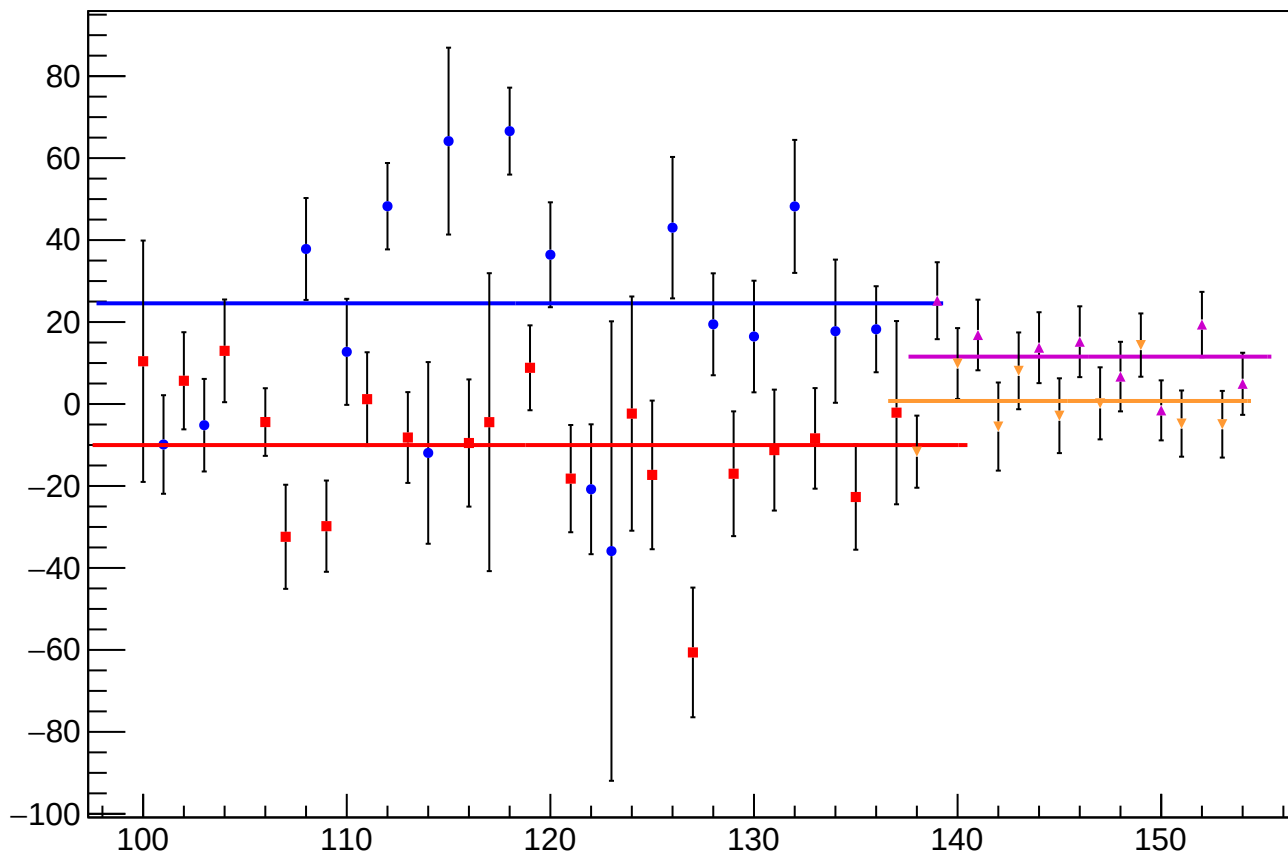
Right Out: 1122.377+/-0.297 χ^2/NDF : 129638.9/19

Left In: 1217.743+/-0.342 χ^2/NDF : 290396.5/7

1144.064+/-0.224 χ^2/NDF : 360252.6/25

1163.401+/-0.224 χ^2/NDF : 464303.9/27

diff_bpm0l10X_mean vs Slug



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

Left Out: 0.741 ± 2.905 $\chi^2/\text{NDF}: 8.3/8$

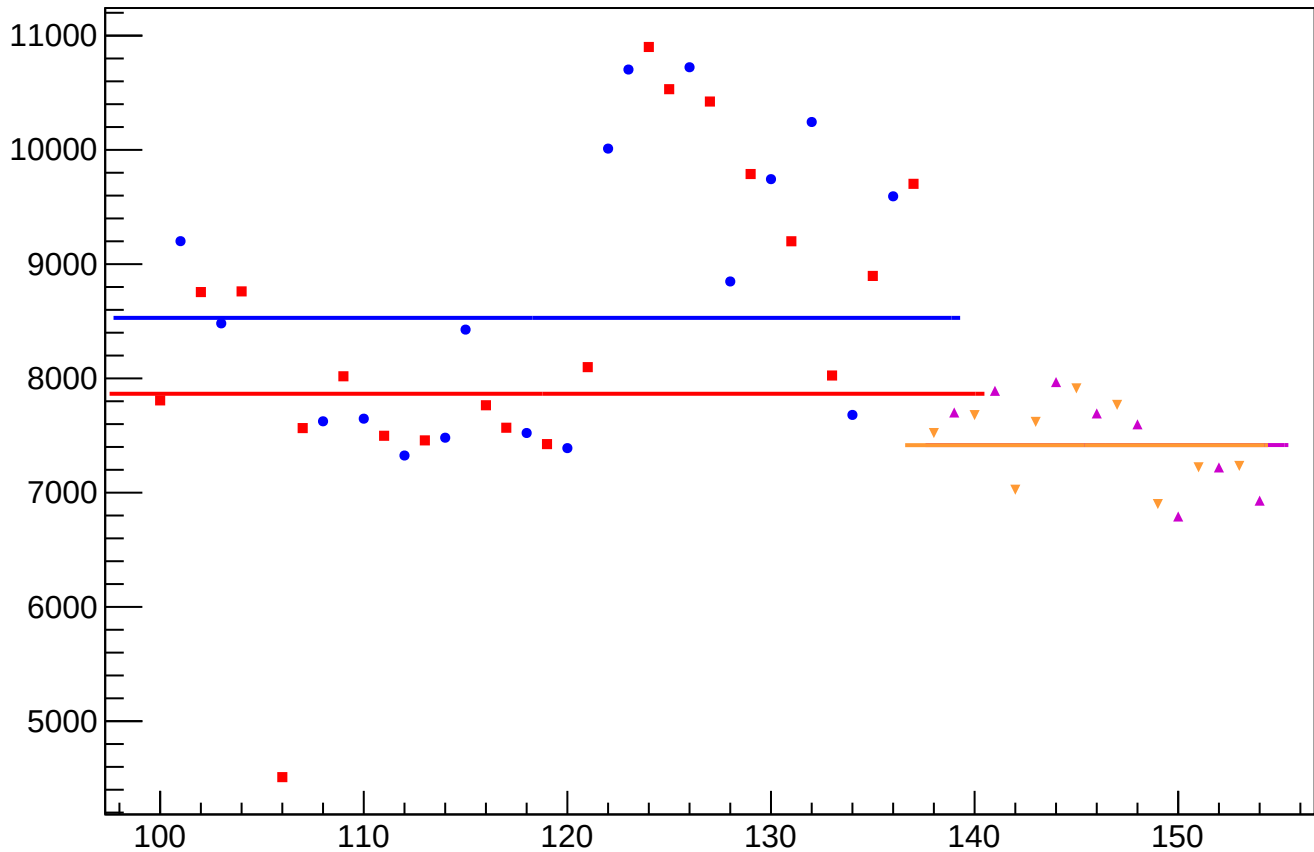
Right Out: -10.019 ± 2.997 $\chi^2/\text{NDF}: 28.8/19$

Left In: 11.558 ± 2.920 $\chi^2/\text{NDF}: 8.0/7$

11.079 ± 2.186 $\chi^2/\text{NDF}: 95.6/25$

1.052 ± 2.092 $\chi^2/\text{NDF}: 63.4/27$

diff_bpm0l10X_rms vs Slug



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

Left Out: 7415.712+/-2.054 χ^2/NDF : 25933.8/8

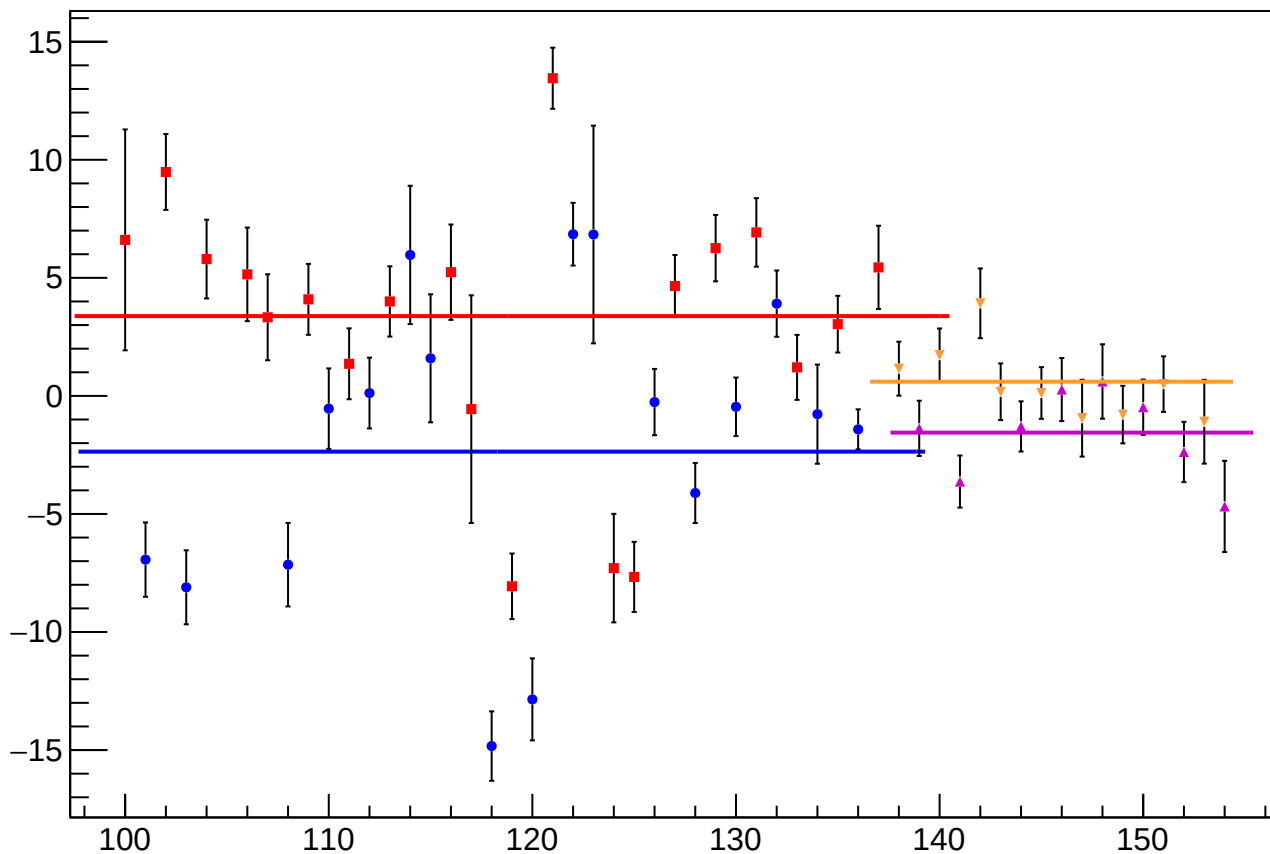
7899.079+/-1.546 χ^2/NDF : 361901.9/25

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

7635.265+/-1.479 χ^2/NDF : 622030.6/27

Left In: 7416.731+/-2.065 χ^2/NDF : 43046.5/7

diff_bpm0l10Y_mean vs Slug



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

Left Out: 0.602 ± 0.421 χ^2/NDF : 9.7/8

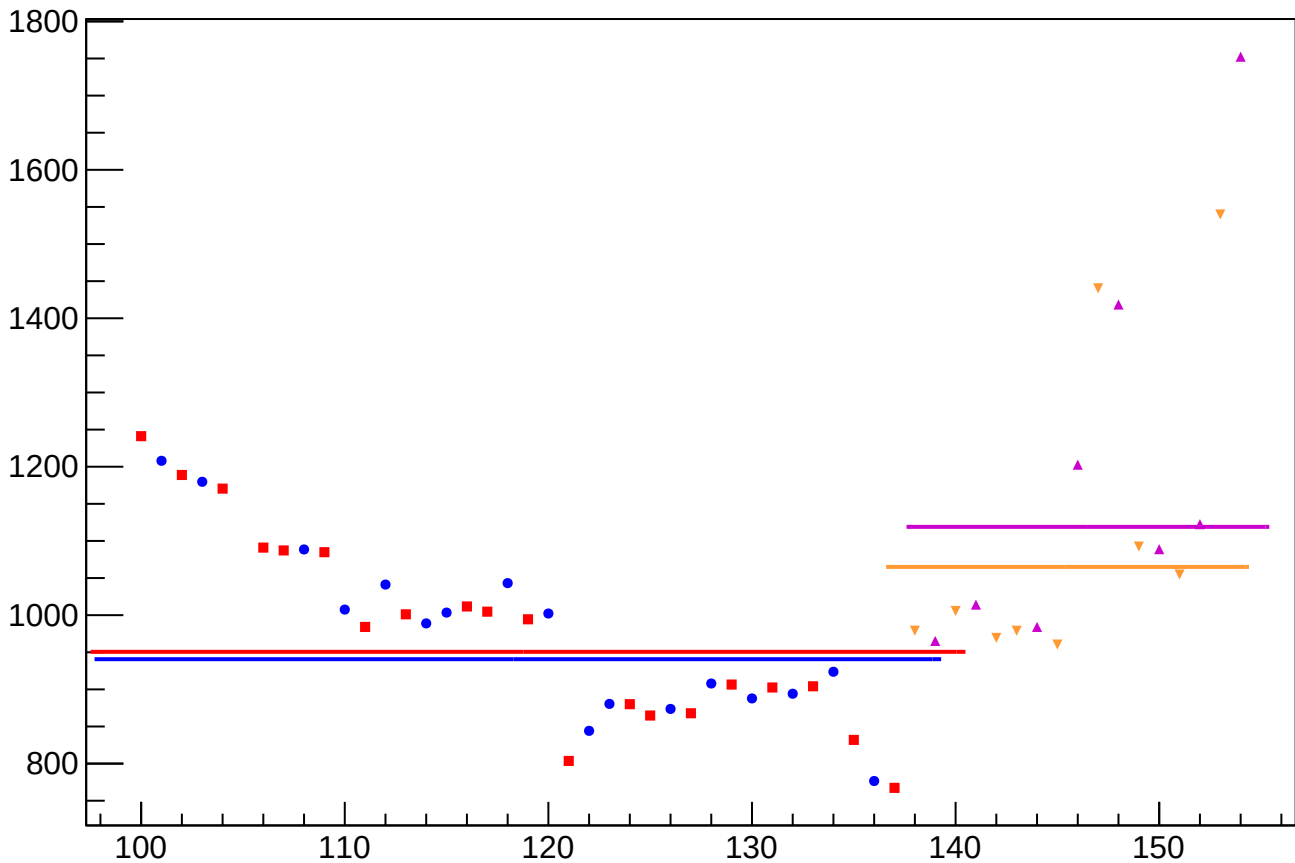
Right Out: 3.379 ± 0.357 χ^2/NDF : 242.1/19

Left In: -1.555 ± 0.447 χ^2/NDF : 11.2/7

-1.088 ± 0.276 χ^2/NDF : 269.9/25

1.455 ± 0.279 χ^2/NDF : 327.8/27

diff_bpm0l10Y_rms vs Slug



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

Left Out: 1065.025 ± 0.298 χ^2/NDF : 304513.4/8

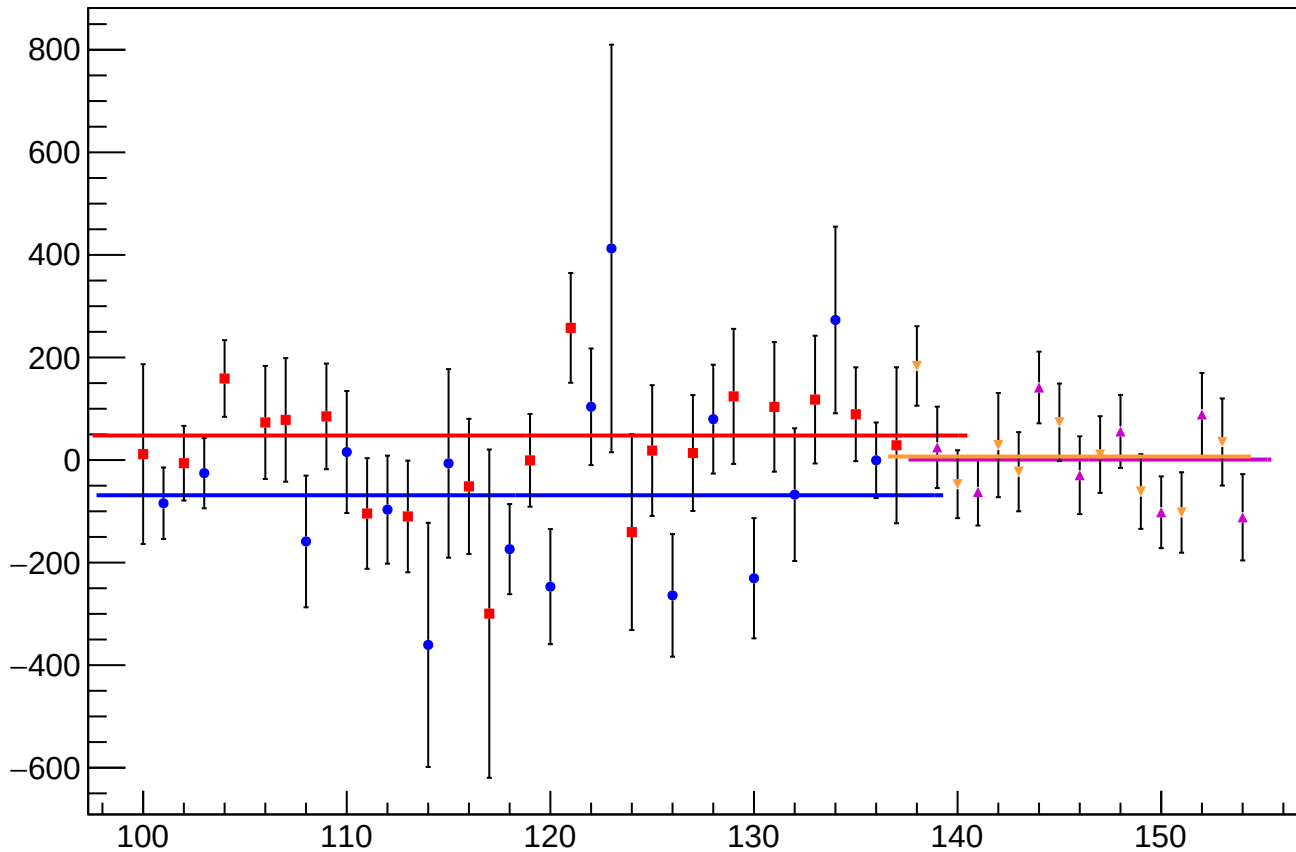
Right Out: 950.615 ± 0.253 χ^2/NDF : 220931.3/19

Left In: 1118.992 ± 0.316 χ^2/NDF : 381484.7/7

994.065 ± 0.195 χ^2/NDF : 645628.2/25

1016.279 ± 0.197 χ^2/NDF : 775712.9/27

diff_bpm0r03X_mean vs Slug



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

Left Out: 6.825 ± 25.794 χ^2/NDF : 9.8/8

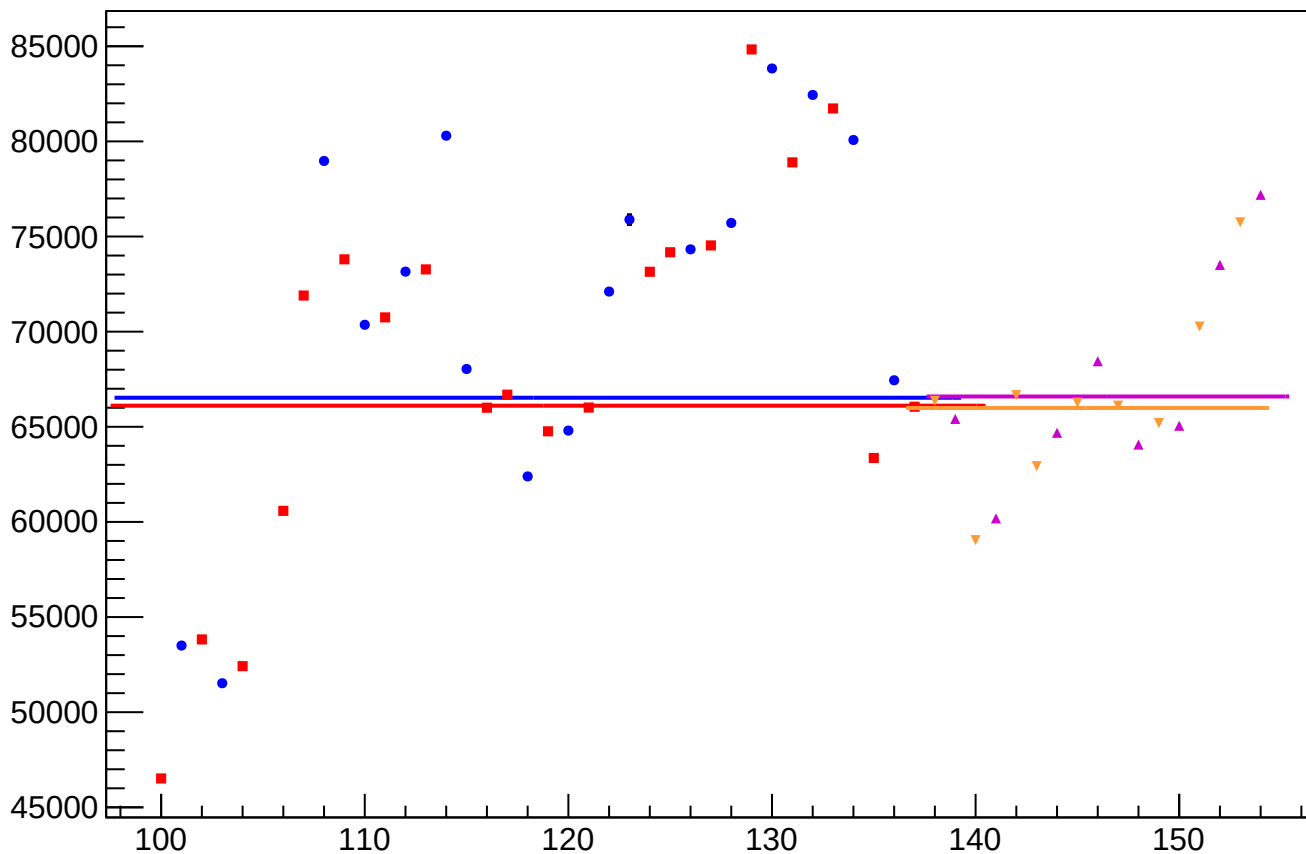
Right Out: 47.835 ± 24.944 χ^2/NDF : 15.2/19

Left In: 0.945 ± 26.116 χ^2/NDF : 10.9/7

-30.709 ± 18.292 χ^2/NDF : 35.8/25

25.466 ± 18.038 χ^2/NDF : 27.8/27

diff_bpm0r03X_rms vs Slug



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

Left Out: 65988.188+/-18.239 χ^2/NDF : 57929.8/8

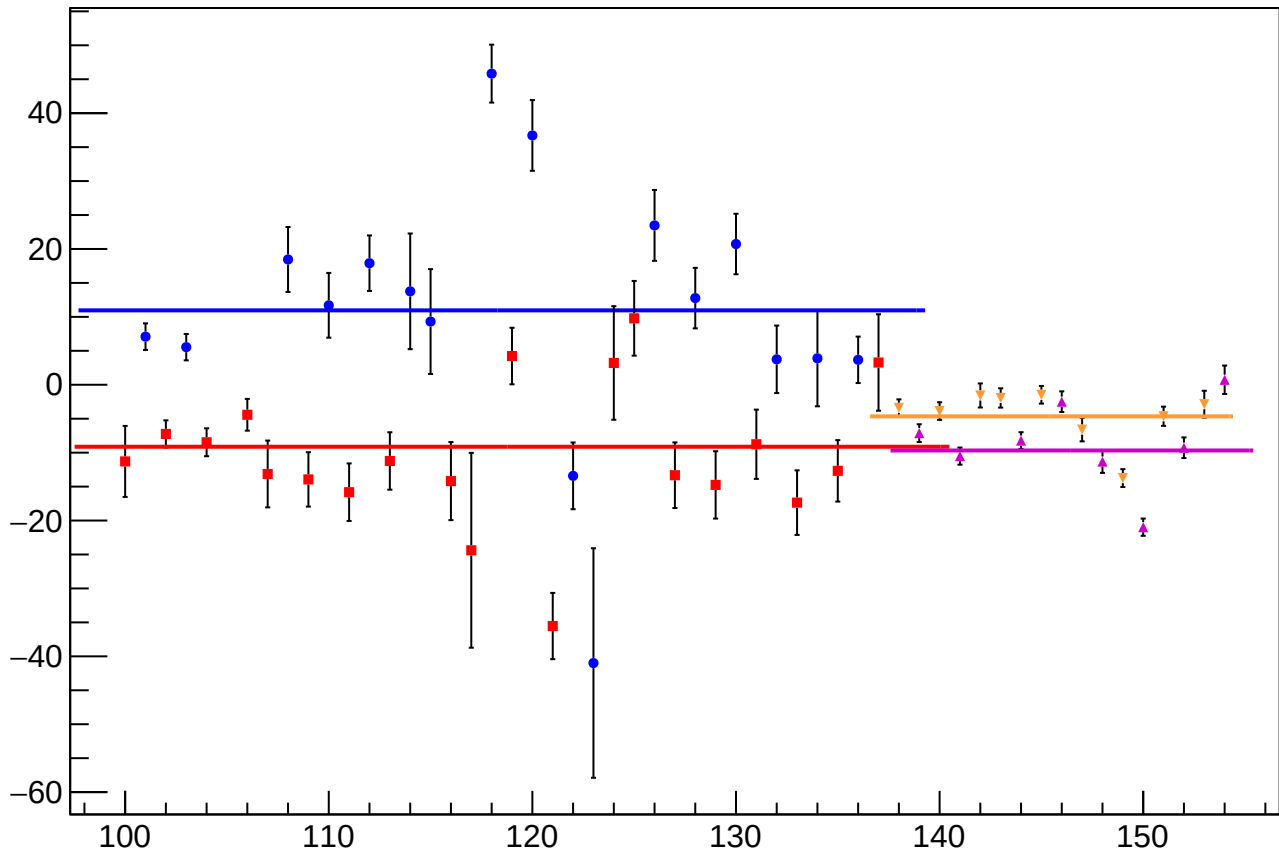
Right Out: 66109.383+/-17.638 χ^2/NDF : 298491.9/19

Left In: 66592.439+/-18.467 χ^2/NDF : 72139.3/7

66256.133+/-12.935 χ^2/NDF : 379251.3/25

66339.824+/-12.755 χ^2/NDF : 370989.1/27

diff_bpm0r03Y_mean vs Slug



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

Left Out: -4.654 $\pm$ 0.483 χ^2 /NDF: 63.8/8

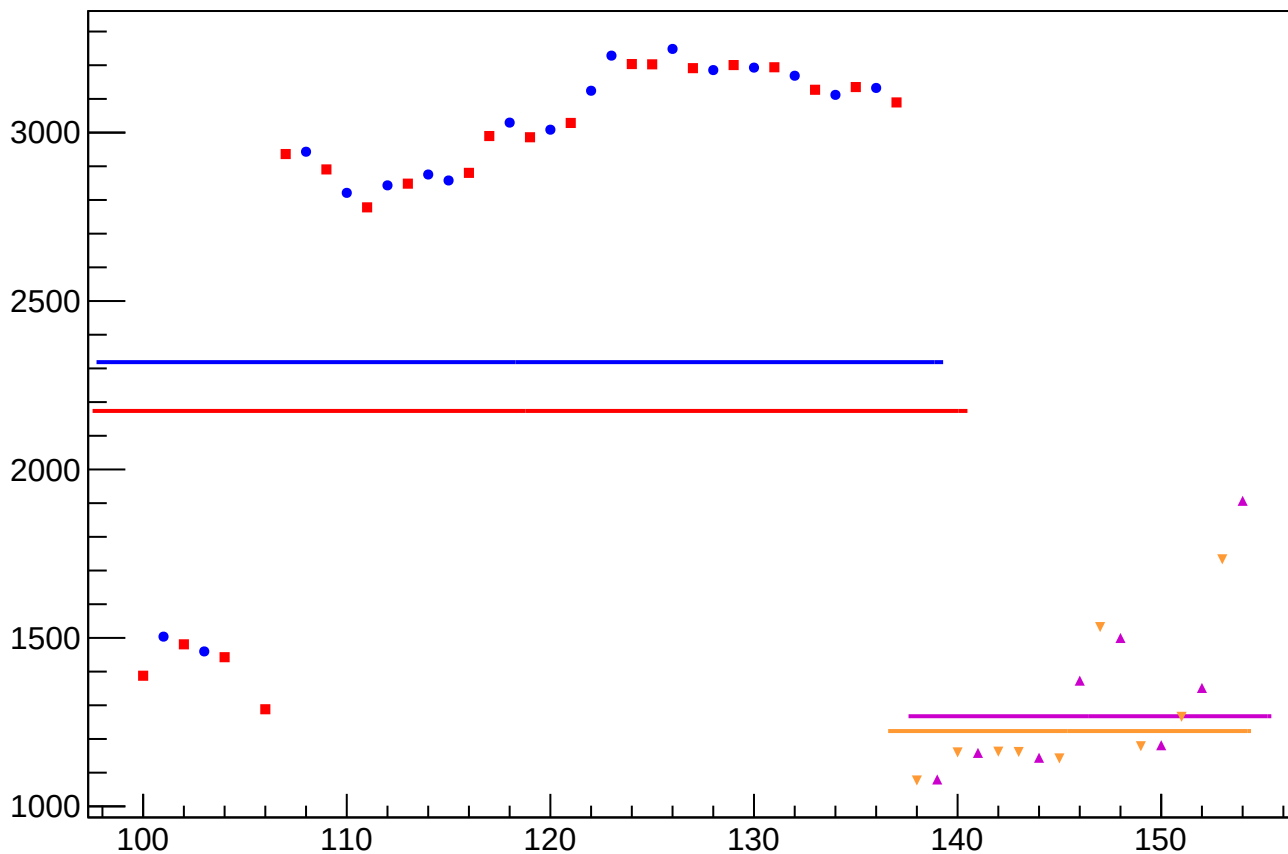
Right Out: -9.127 $\pm$ 0.865 χ^2 /NDF: 74.2/19

Left In: -9.680 $\pm$ 0.504 χ^2 /NDF: 132.8/7

-1.415 $\pm$ 0.430 χ^2 /NDF: 441.9/25

-9.540 $\pm$ 0.435 χ^2 /NDF: 207.4/27

diff_bpm0r03Y_rms vs Slug



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

Left Out: 1223.518+/-0.341 χ^2/NDF :246817.9/8

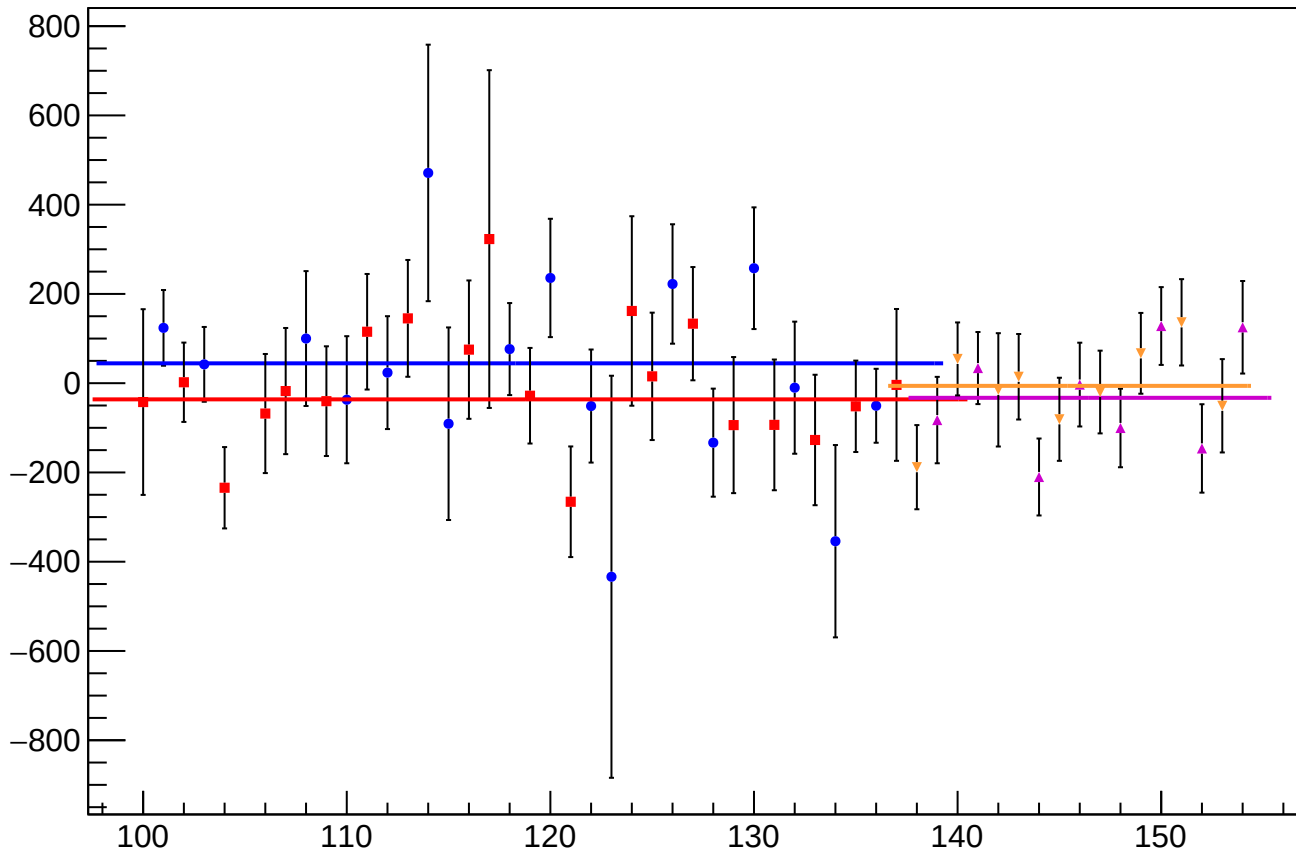
Right Out: 2173.762+/-0.611 χ^2/NDF : 1760181.2/19

Left In: 1267.527+/-0.356 χ^2/NDF :326700.1/7

1450.732+/-0.304 χ^2/NDF : 3791899.3/25

1497.210+/-0.308 χ^2/NDF : 3726615.1/27

diff_bpm0r05X_mean vs Slug



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

Left Out: -5.990+/-31.858 χ^2/NDF : 8.0/8

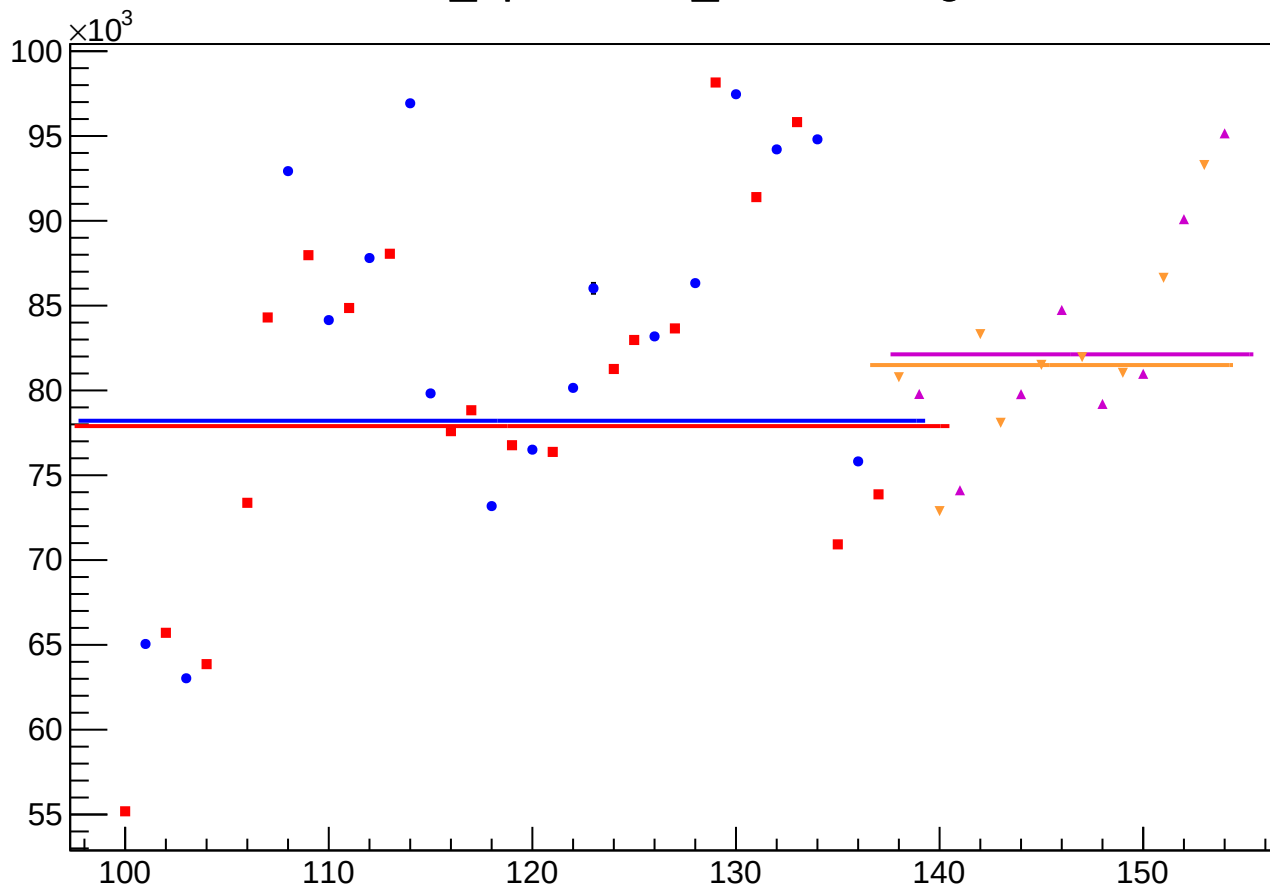
Right Out: -36.251+/-29.346 χ^2/NDF : 16.7/19

Left In: -32.793+/-32.212 χ^2/NDF : 12.9/7

20.402+/-22.005 χ^2/NDF : 28.4/25

-34.683+/-21.693 χ^2/NDF : 29.6/27

diff_bpm0r05X_rms vs Slug



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

Left Out: 81496.383 $\pm$ 22.527 χ^2 /NDF: 56433.3/8

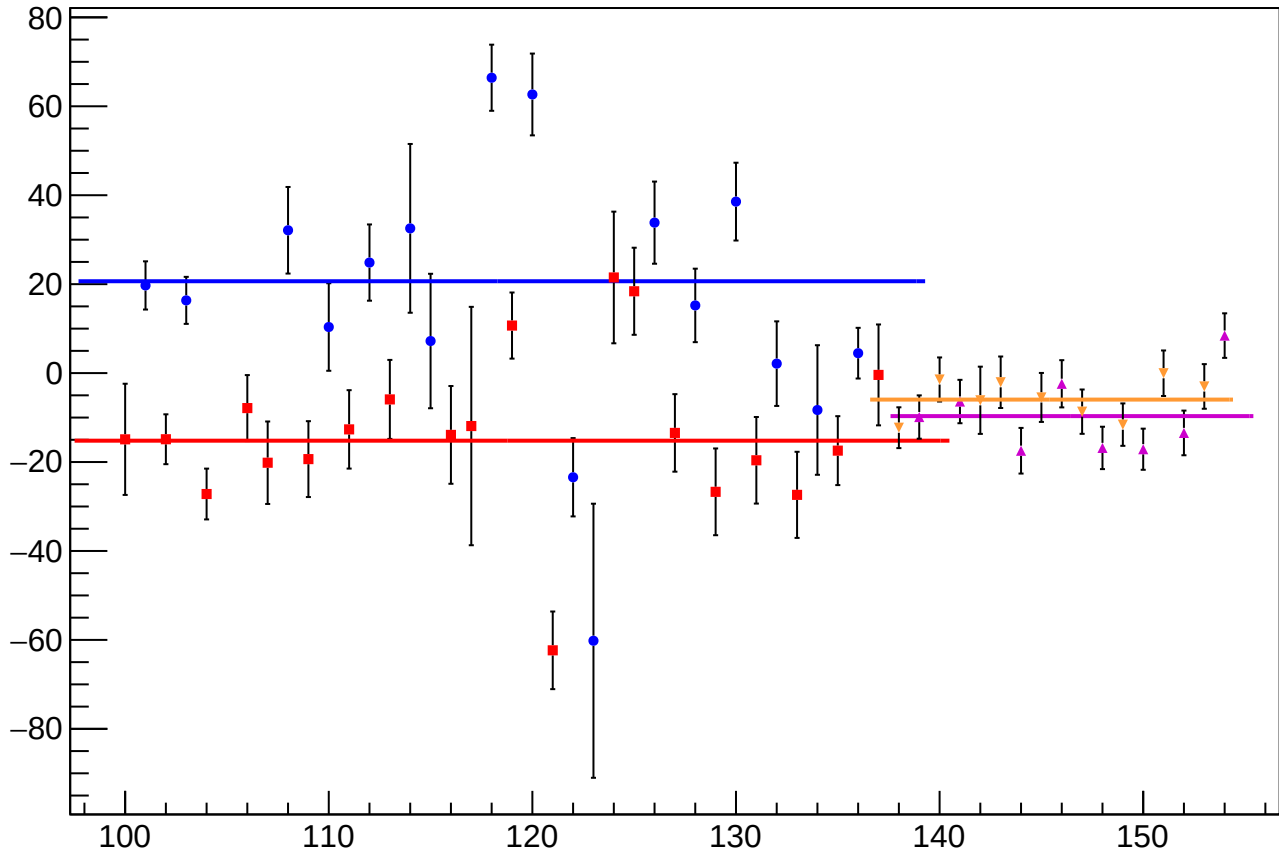
Right Out: 77897.594 $\pm$ 20.751 χ^2 /NDF: 246982.5/19

Left In: 82128.020 $\pm$ 22.777 χ^2 /NDF: 70963.4/7

79779.557 $\pm$ 15.560 χ^2 /NDF: 318597.9/25

79816.315 $\pm$ 15.340 χ^2 /NDF: 336796.2/27

diff_bpm0r05Y_mean vs Slug



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

Left Out: -5.958 ± 1.739 χ^2/NDF : 6.6/8

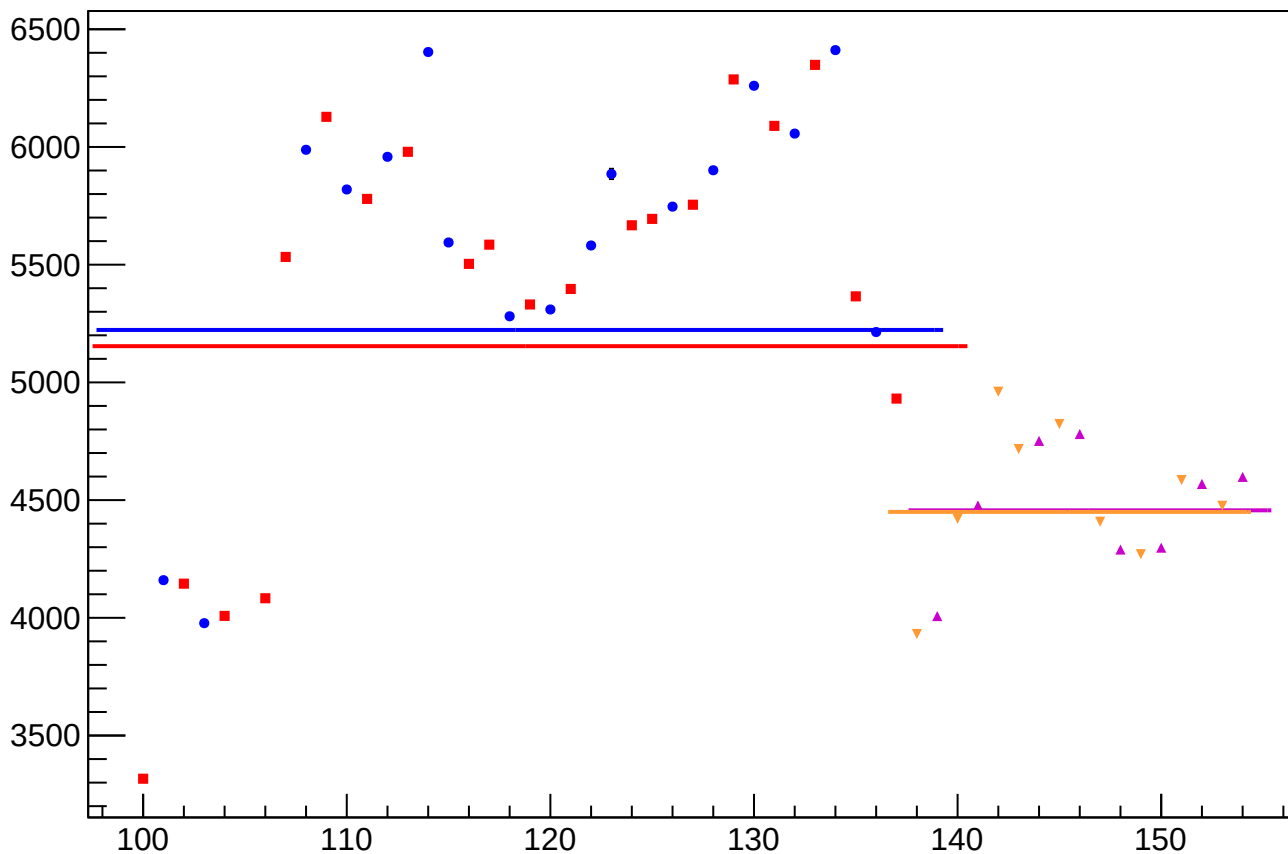
Right Out: -15.198 ± 1.950 χ^2/NDF : 71.3/19

Left In: -9.673 ± 1.746 χ^2/NDF : 23.1/7

5.271 ± 1.322 χ^2/NDF : 223.1/25

-12.133 ± 1.301 χ^2/NDF : 98.9/27

diff_bpm0r05Y_rms vs Slug



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

Left Out: 4449.907 $\pm$ 1.230 χ^2 /NDF: 52634.6/8

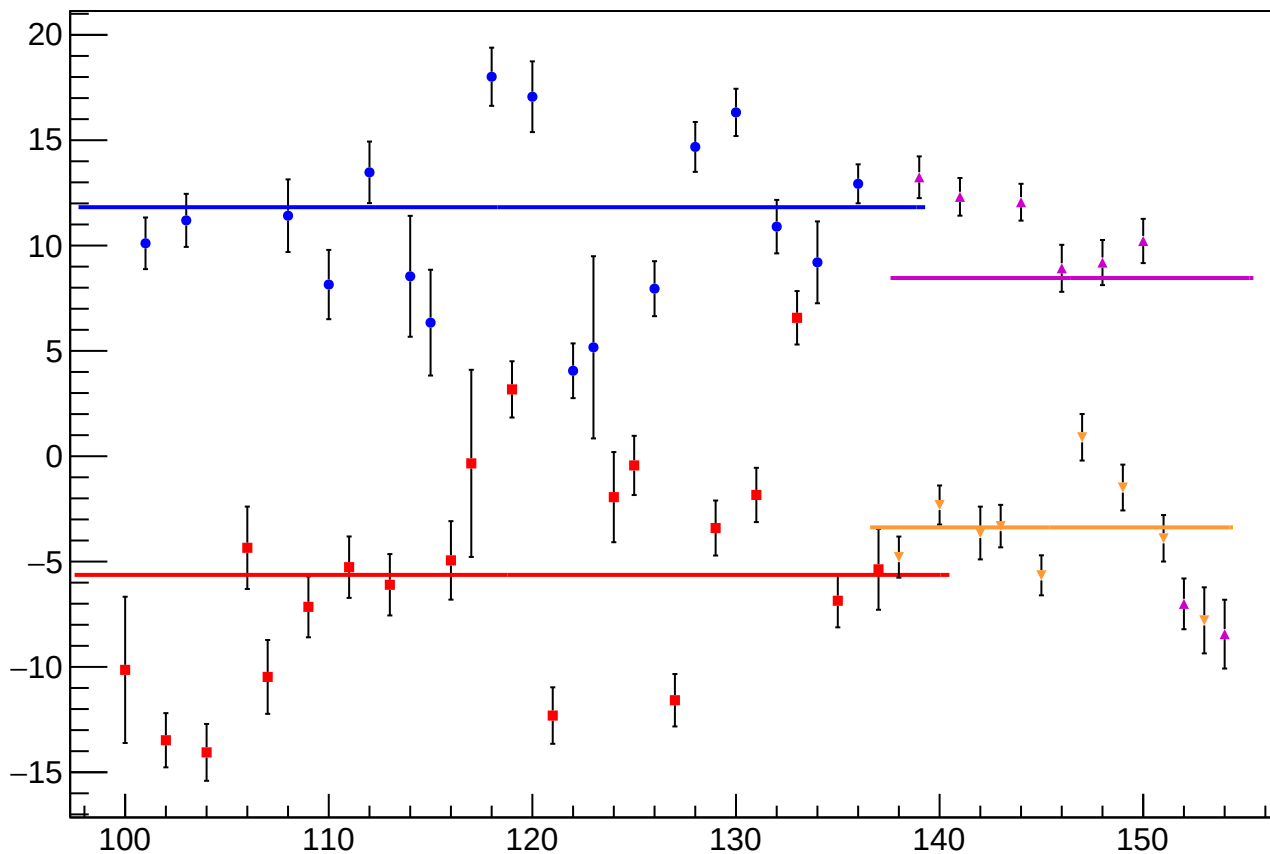
Right Out: 5153.826 $\pm$ 1.379 χ^2 /NDF: 388205.9/19

Left In: 4456.597 $\pm$ 1.235 χ^2 /NDF: 38504.4/7

4775.960 $\pm$ 0.935 χ^2 /NDF: 531760.2/25

4767.008 $\pm$ 0.920 χ^2 /NDF: 568632.3/27

diff_bpm2i01X_mean vs Slug



Right In: 11.821 $\pm$ 0.344 χ^2/NDF : 117.0/16

Left Out: -3.377 $\pm$ 0.357 χ^2/NDF : 35.4/8

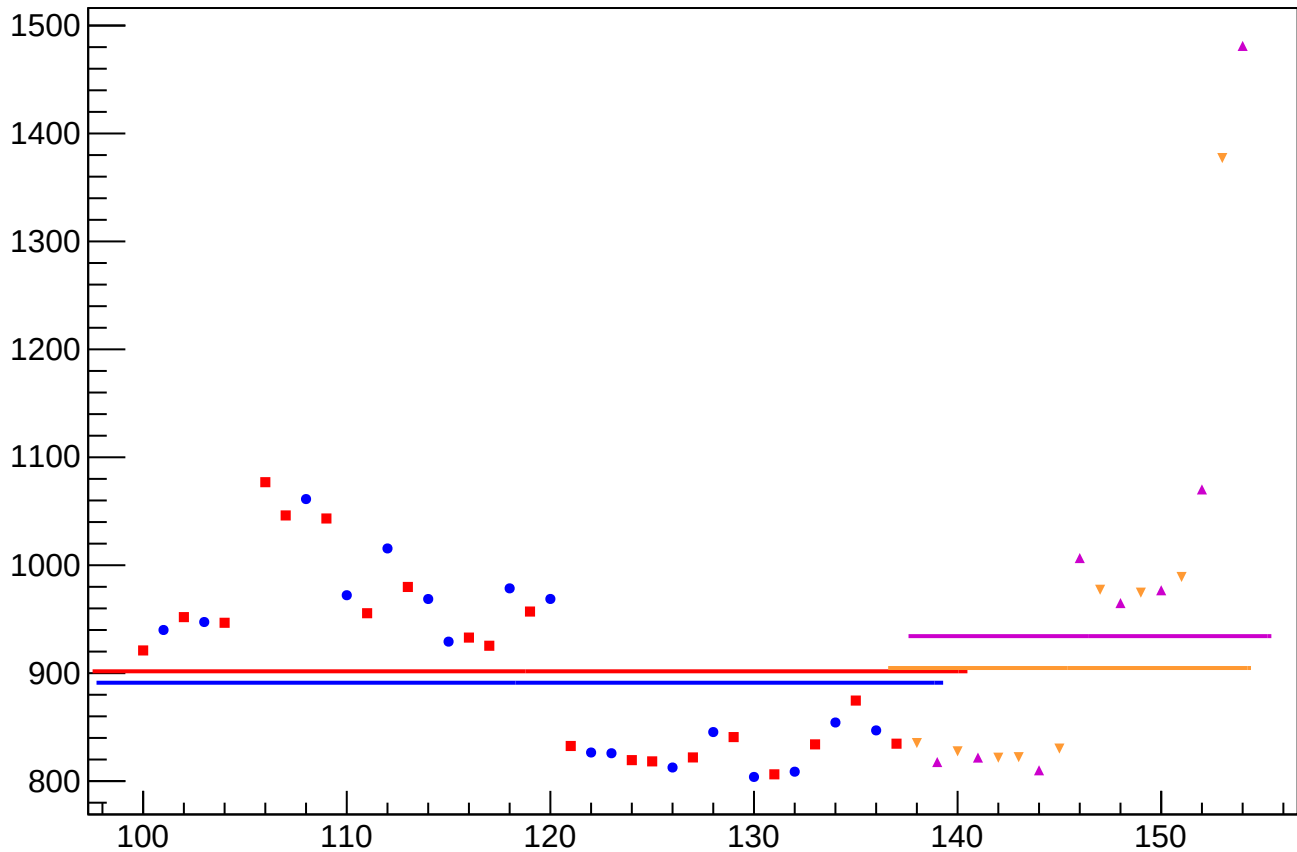
Right Out: -5.632 $\pm$ 0.337 χ^2/NDF : 301.6/19

Left In: 8.460 $\pm$ 0.372 χ^2/NDF : 334.3/7

4.495 $\pm$ 0.248 χ^2/NDF : 1090.6/25

0.729 $\pm$ 0.250 χ^2/NDF : 1422.8/27

diff_bpm2i01X_rms vs Slug



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

Left Out: 904.778+/-0.253 χ^2/NDF : 268876.8/8

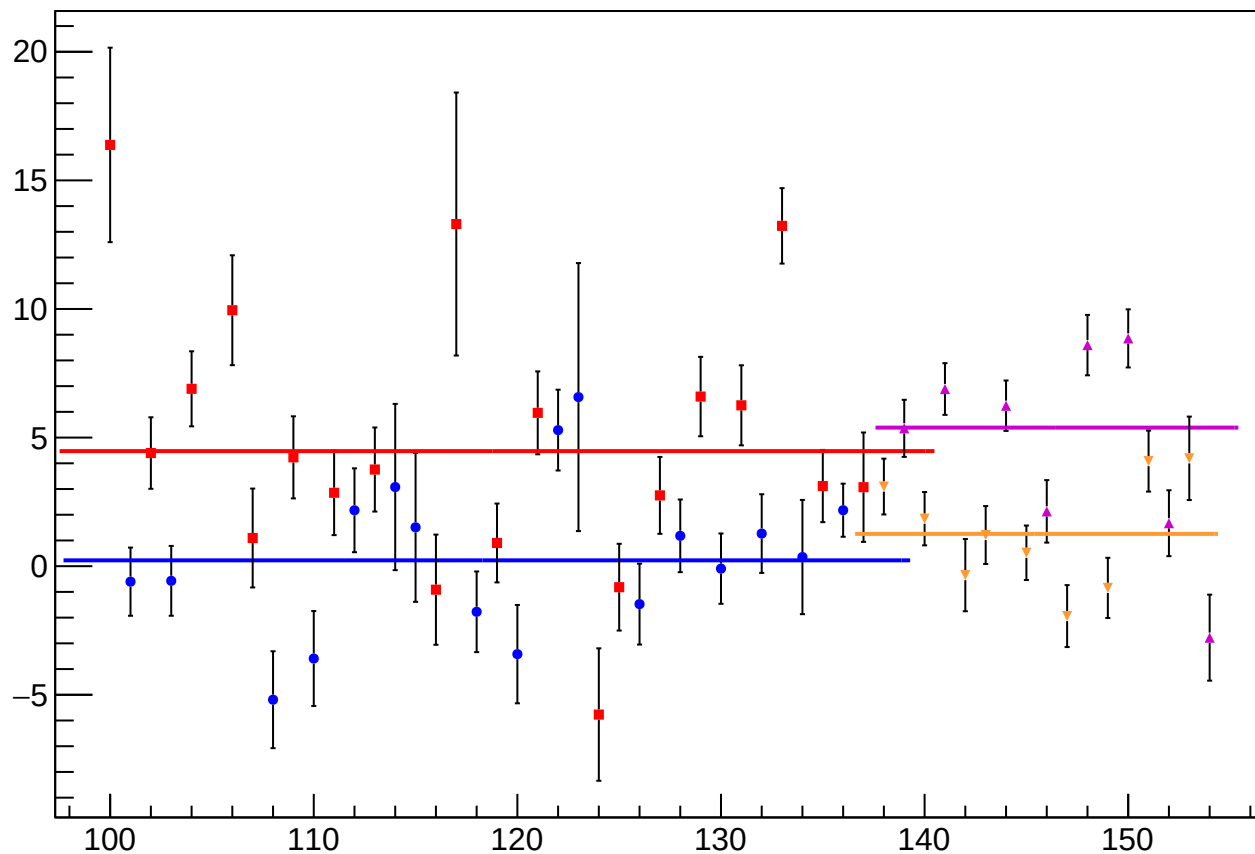
Right Out: 901.725+/-0.239 χ^2/NDF : 114648.1/19

Left In: 934.314+/-0.263 χ^2/NDF : 362879.5/7

897.718+/-0.175 χ^2/NDF : 372044.7/25

916.435+/-0.177 χ^2/NDF : 485945.1/27

diff_bpm2i01Y_mean vs Slug



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

Left Out: 1.256 ± 0.393 χ^2/NDF : 24.2/8

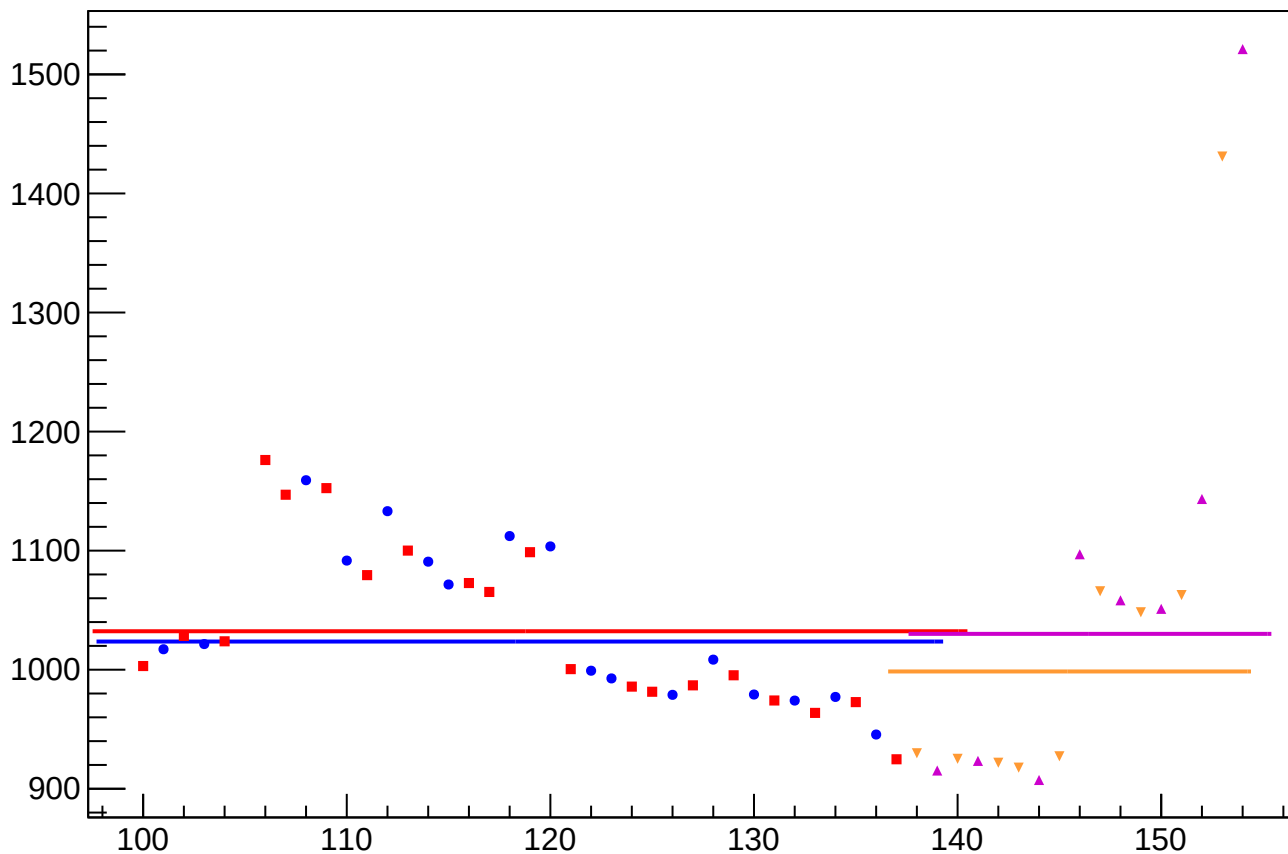
Right Out: 4.473 ± 0.386 χ^2/NDF : 106.3/19

Left In: 5.388 ± 0.408 χ^2/NDF : 59.3/7

0.744 ± 0.279 χ^2/NDF : 66.2/25

4.904 ± 0.280 χ^2/NDF : 168.3/27

diff_bpm2i01Y_rms vs Slug



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

Left Out: 998.518 $\pm$ 0.278 χ^2 /NDF: 201190.6/8

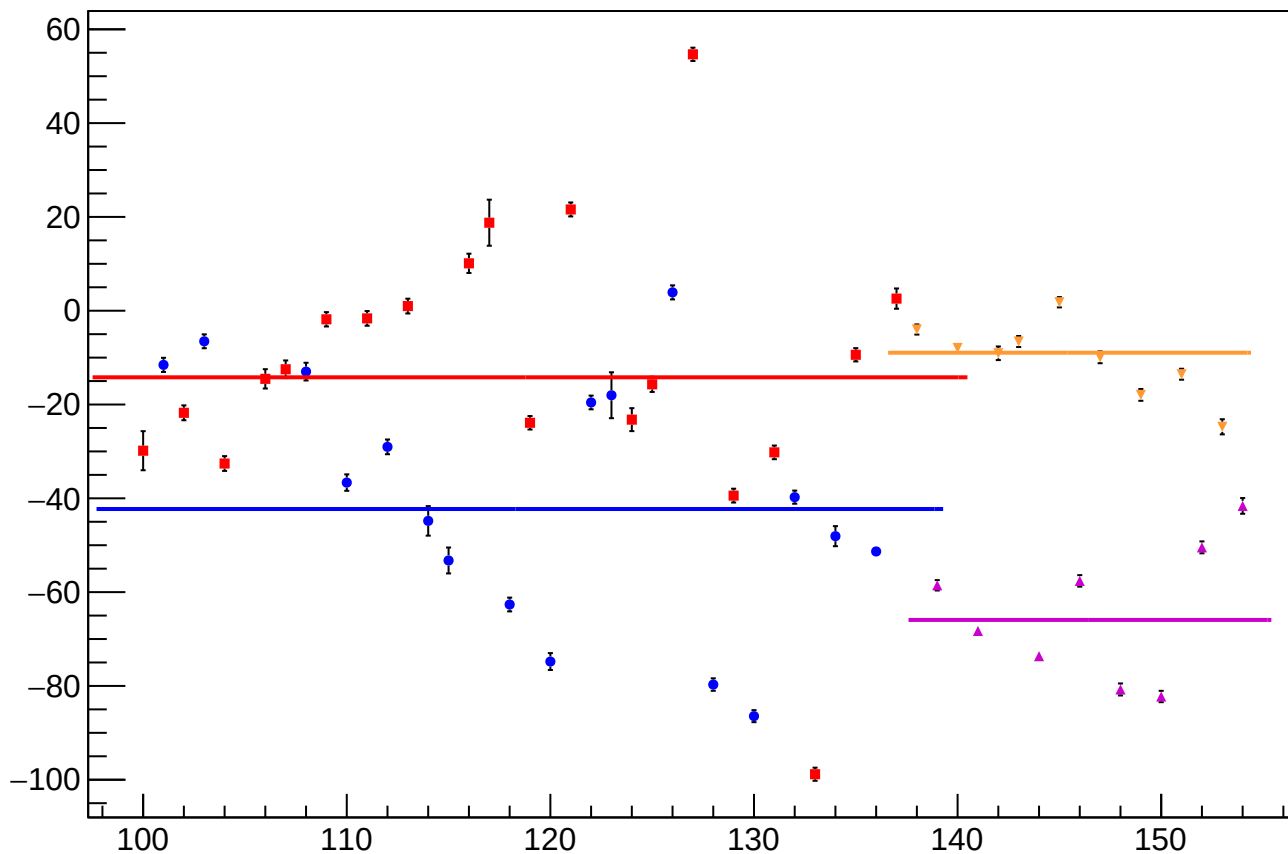
Right Out: 1032.296 $\pm$ 0.273 χ^2 /NDF: 59475.4/19

Left In: 1030.095 $\pm$ 0.289 χ^2 /NDF: 271407.4/7

1011.018 $\pm$ 0.197 χ^2 /NDF: 257636.2/25

1031.258 $\pm$ 0.198 χ^2 /NDF: 330913.5/27

diff_bpm2i02X_mean vs Slug



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

Left Out: -8.951 ± 0.404 χ^2/NDF : 284.4/8

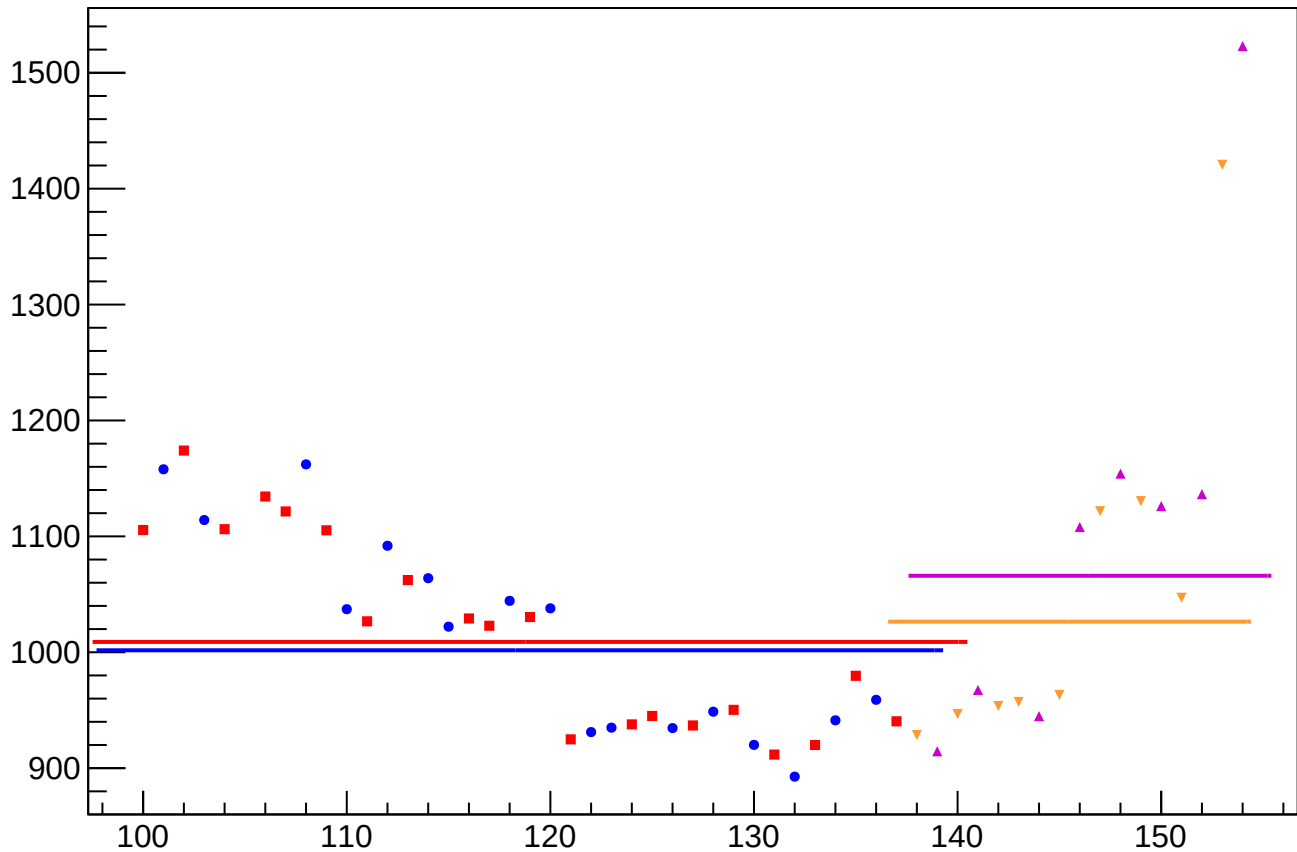
Right Out: -14.197 ± 0.377 χ^2/NDF : 7715.1/19

Left In: -65.927 ± 0.422 χ^2/NDF : 826.2/7

-26.311 ± 0.279 χ^2/NDF : 8962.2/25

-37.157 ± 0.281 χ^2/NDF : 16882.7/27

diff_bpm2i02X_rms vs Slug



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

Left Out: 1026.381+/-0.285 χ^2/NDF : 191102.9/8

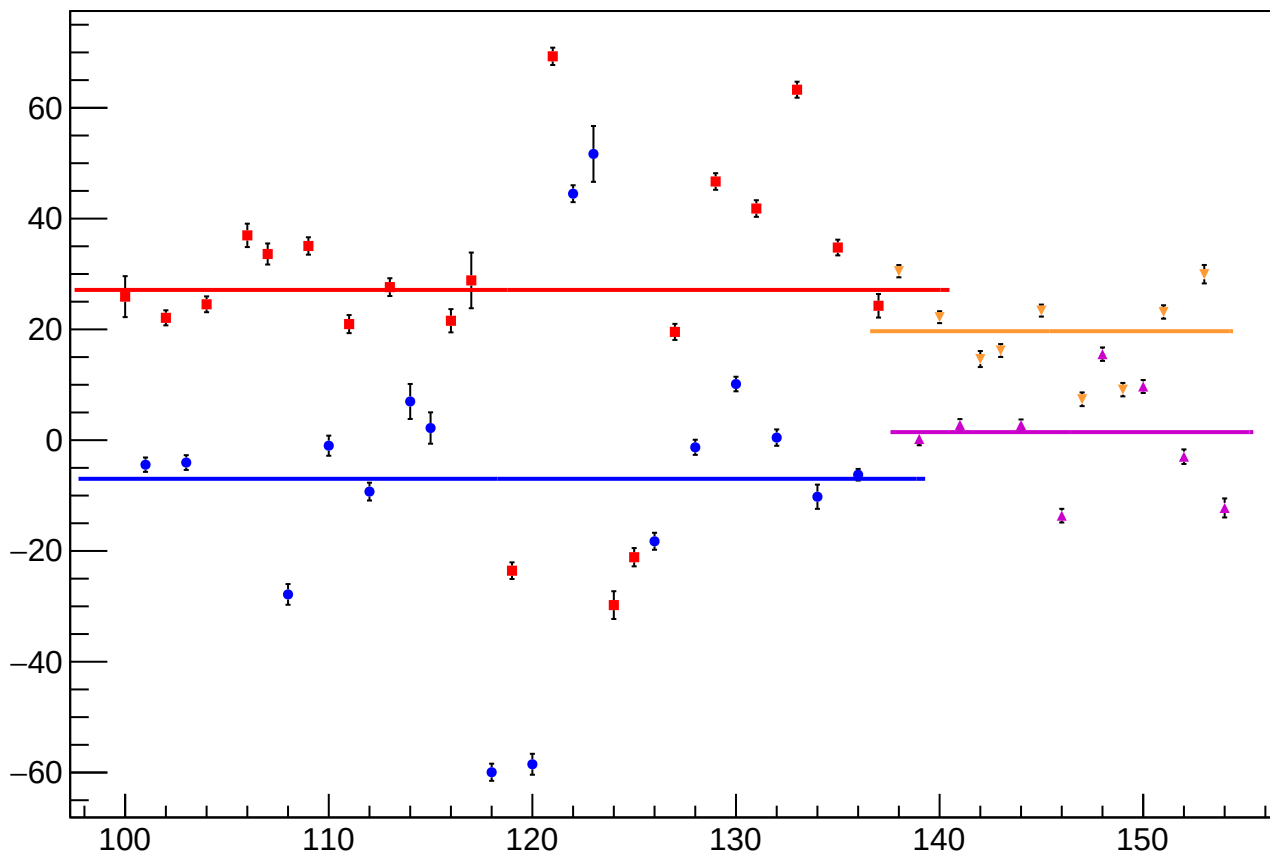
Right Out: 1008.931+/-0.267 χ^2/NDF : 95366.1/19

Left In: 1066.014+/-0.299 χ^2/NDF : 254598.2/7

1013.528+/-0.198 χ^2/NDF : 290475.8/25

1034.267+/-0.199 χ^2/NDF : 370279.1/27

diff_bpm2i02Y_mean vs Slug



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

Left Out: 19.675 ± 0.404 χ^2/NDF : 354.5/8

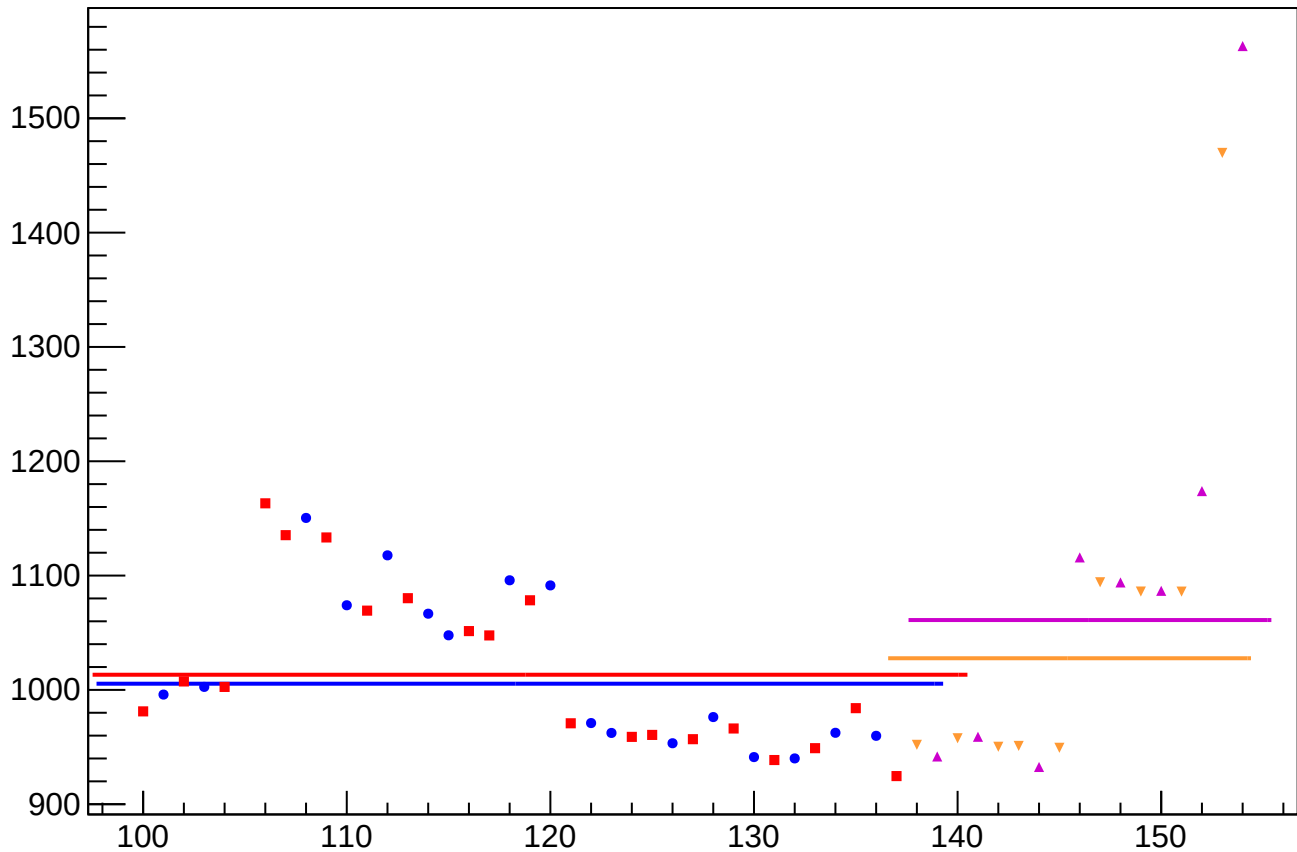
Right Out: 27.125 ± 0.379 χ^2/NDF : 4283.6/19

Left In: 1.455 ± 0.421 χ^2/NDF : 412.2/7

5.803 ± 0.280 χ^2/NDF : 6253.7/25

15.636 ± 0.281 χ^2/NDF : 6754.5/27

diff_bpm2i02Y_rms vs Slug



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

Left Out: 1027.676+/-0.286 χ^2/NDF : 198393.4/8

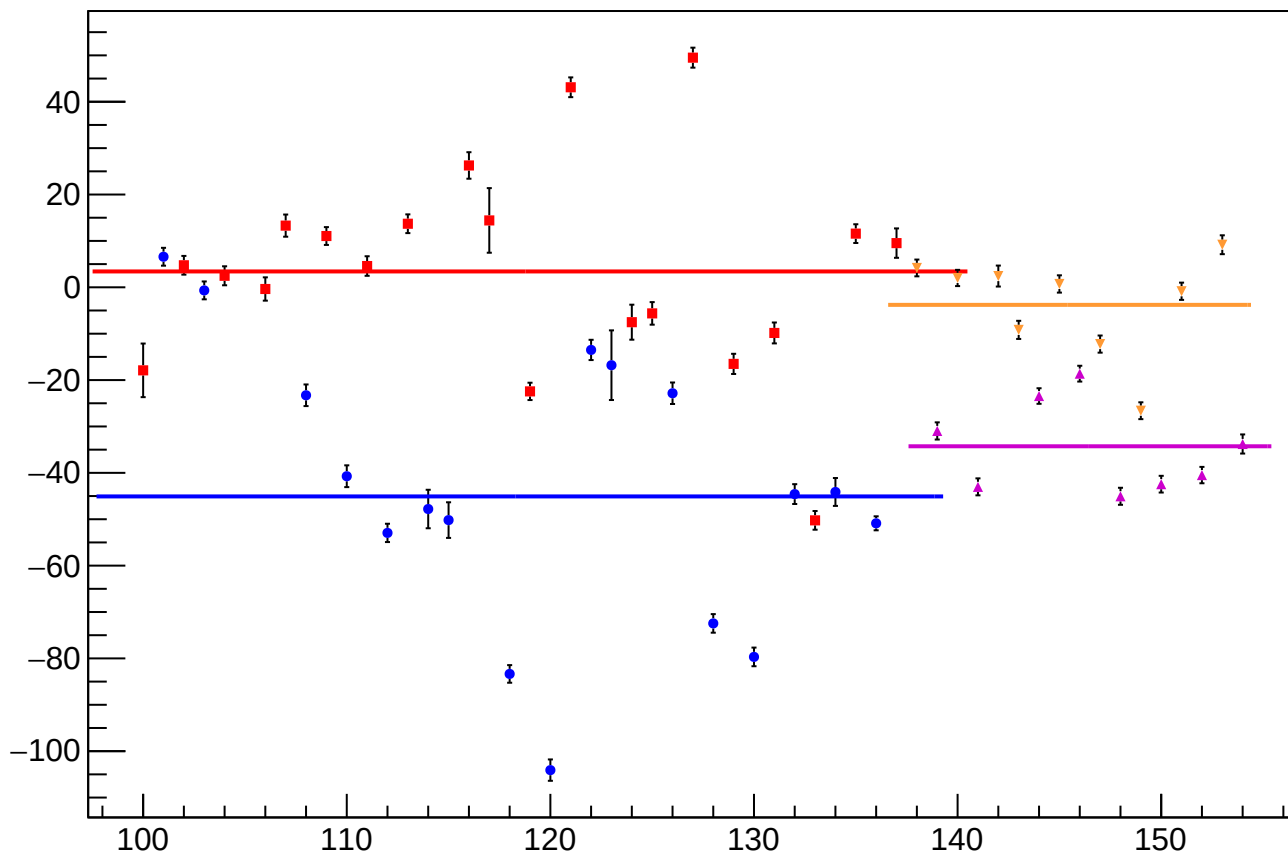
Right Out: 1013.260+/-0.268 χ^2/NDF : 63359.8/19

Left In: 1061.101+/-0.297 χ^2/NDF : 265509.6/7

1016.085+/-0.198 χ^2/NDF : 256138.3/25

1034.673+/-0.199 χ^2/NDF : 343169.6/27

diff_bpm0i02X_mean vs Slug



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

Left Out: -3.785 ± 0.632 χ^2/NDF : 273.6/8

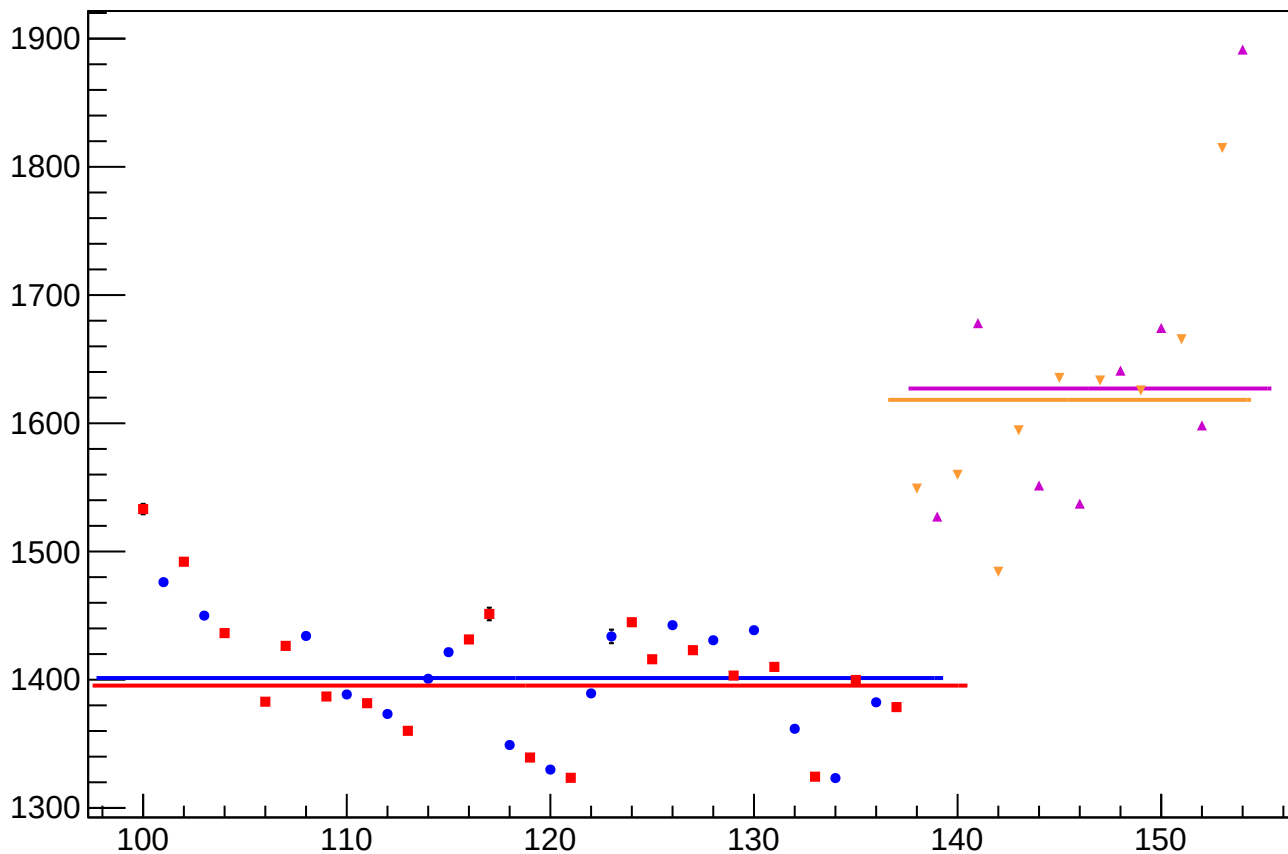
Right Out: 3.419 ± 0.520 χ^2/NDF : 2008.2/19

Left In: -34.271 ± 0.639 χ^2/NDF : 219.7/7

-27.659 ± 0.410 χ^2/NDF : 5981.7/25

-11.621 ± 0.403 χ^2/NDF : 4321.5/27

diff_bpm0i02X_rms vs Slug



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

Left Out: 1618.272 ± 0.447 χ^2/NDF : 32778.0/8

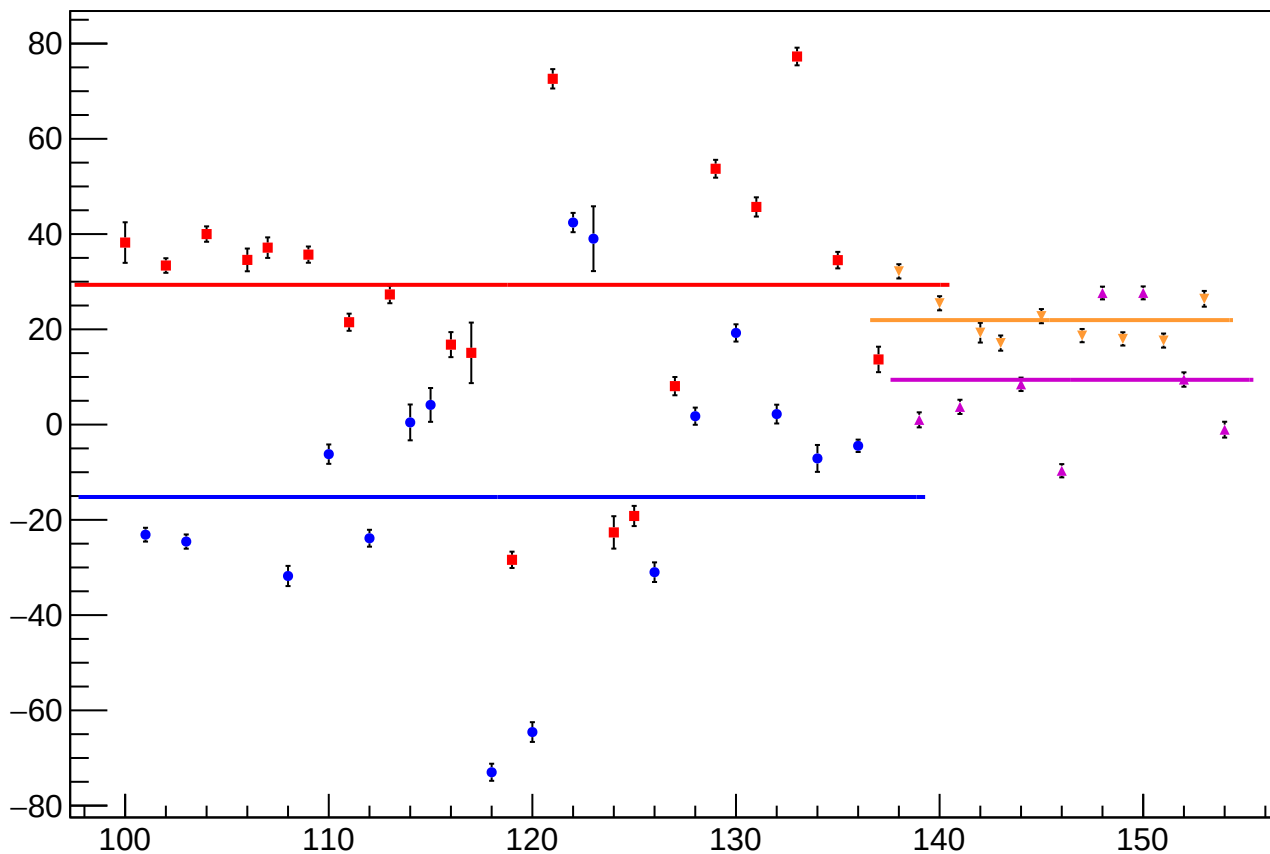
Right Out: 1395.419 ± 0.368 χ^2/NDF : 15649.3/19

Left In: 1627.120 ± 0.452 χ^2/NDF : 51941.2/7

1492.842 ± 0.290 χ^2/NDF : 181996.2/25

1487.880 ± 0.285 χ^2/NDF : 225830.4/27

diff_bpm0i02Y_mean vs Slug



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

Left Out: 21.938 ± 0.511 χ^2/NDF : 92.6/8

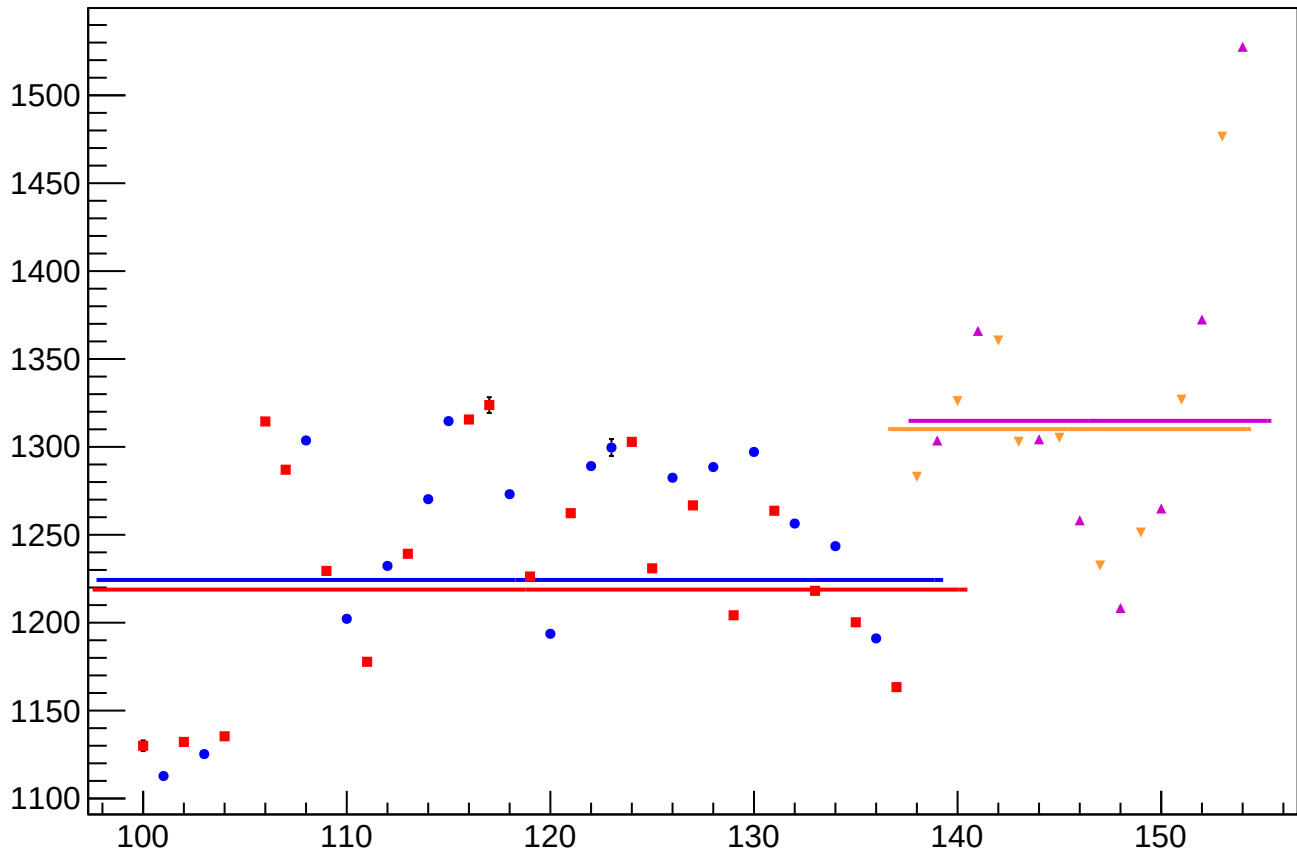
Right Out: 29.344 ± 0.455 χ^2/NDF : 3549.9/19

Left In: 9.404 ± 0.516 χ^2/NDF : 635.4/7

1.889 ± 0.347 χ^2/NDF : 6302.9/25

20.612 ± 0.341 χ^2/NDF : 5026.3/27

diff_bpm0i02Y_rms vs Slug



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

Left Out: 1310.120+/-0.362 χ^2/NDF : 32356.4/8

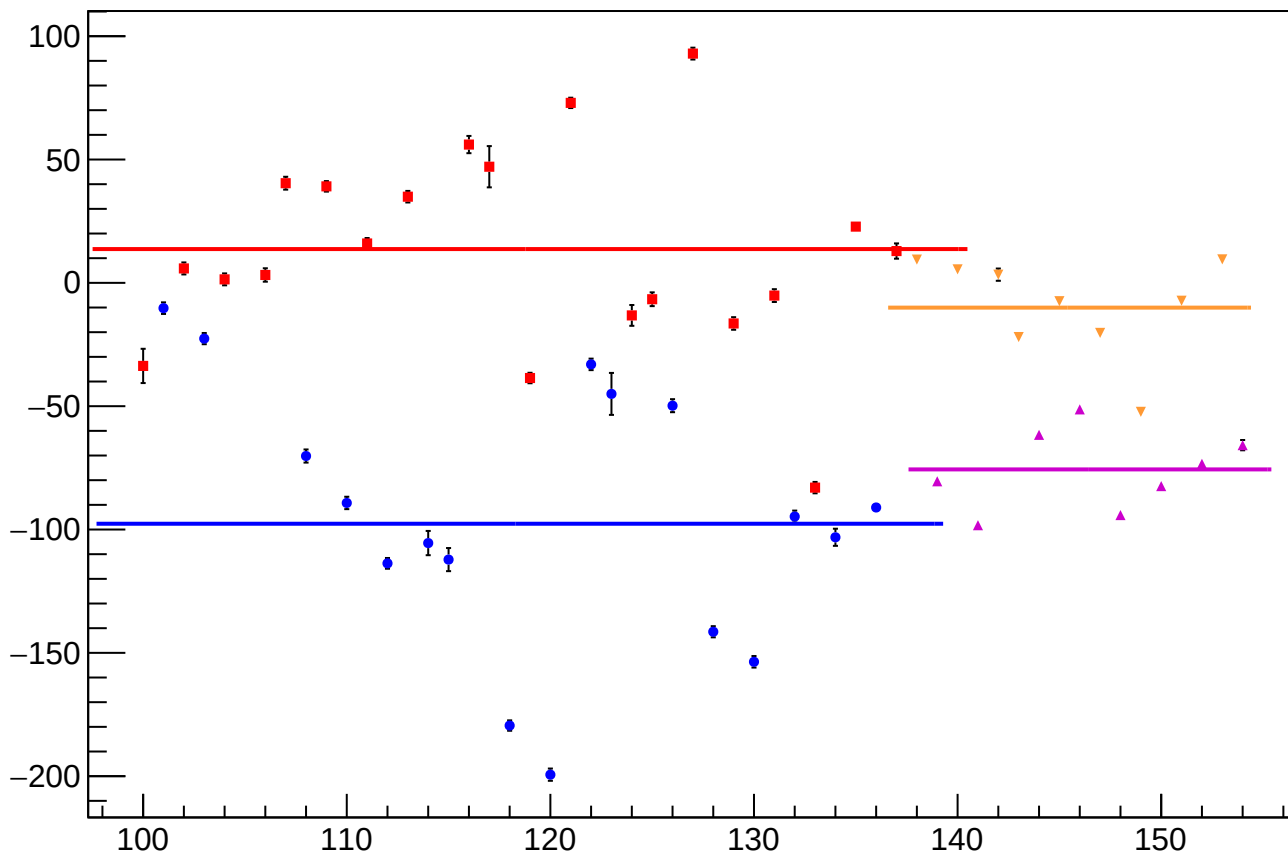
Right Out: 1218.817+/-0.322 χ^2/NDF : 28121.5/19

Left In: 1314.825+/-0.365 χ^2/NDF : 56758.5/7

1263.804+/-0.245 χ^2/NDF : 101532.4/25

1260.860+/-0.241 χ^2/NDF : 123871.0/27

diff_bpm0i02aX_mean vs Slug



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

Left Out: -10.041 ± 0.638 χ^2/NDF : 911.8/8

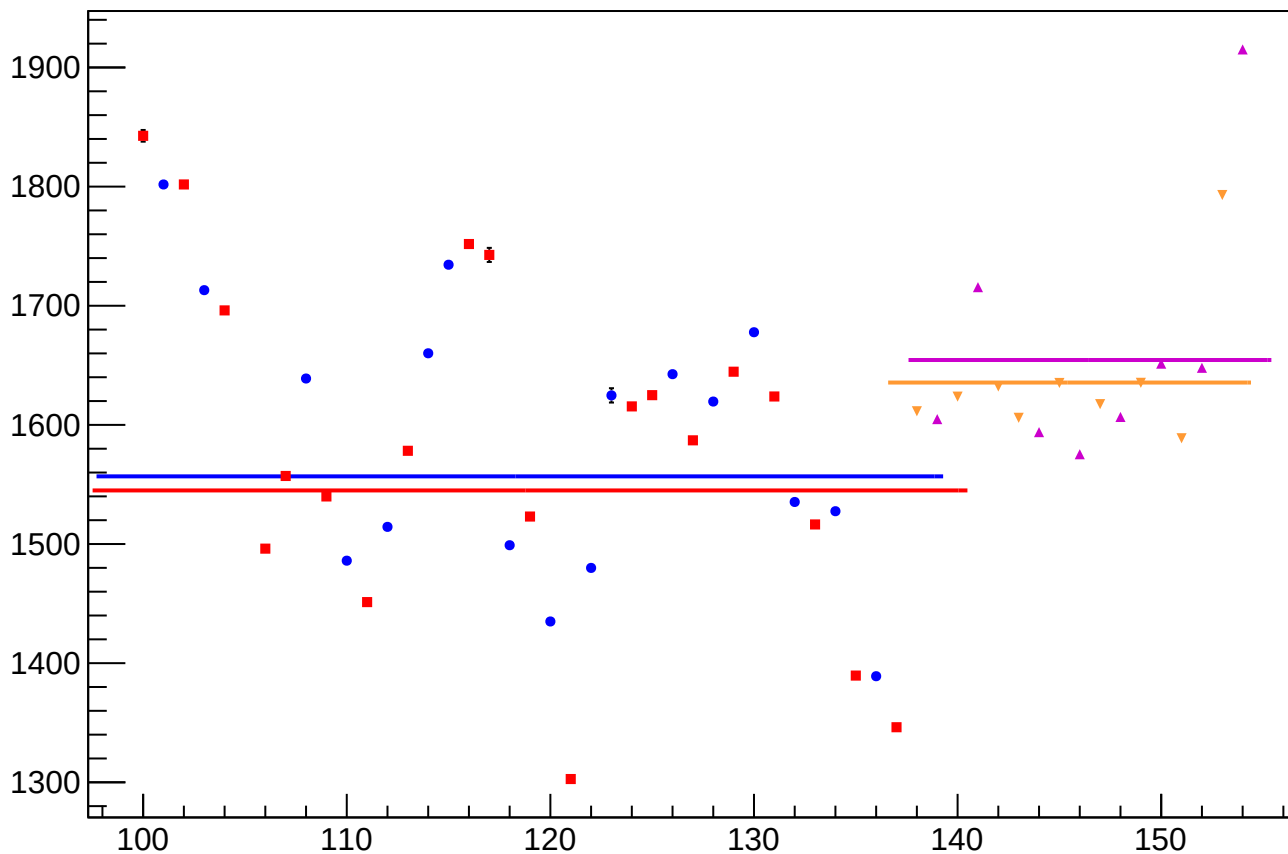
Right Out: 13.698 ± 0.578 χ^2/NDF : 5144.2/19

Left In: -75.631 ± 0.649 χ^2/NDF : 558.3/7

-56.461 ± 0.438 χ^2/NDF : 18830.8/25

-25.844 ± 0.431 χ^2/NDF : 16276.1/27

diff_bpm0i02aX_rms vs Slug



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

Left Out: 1635.543 ± 0.451 $\chi^2/\text{NDF}: 14696.9/8$

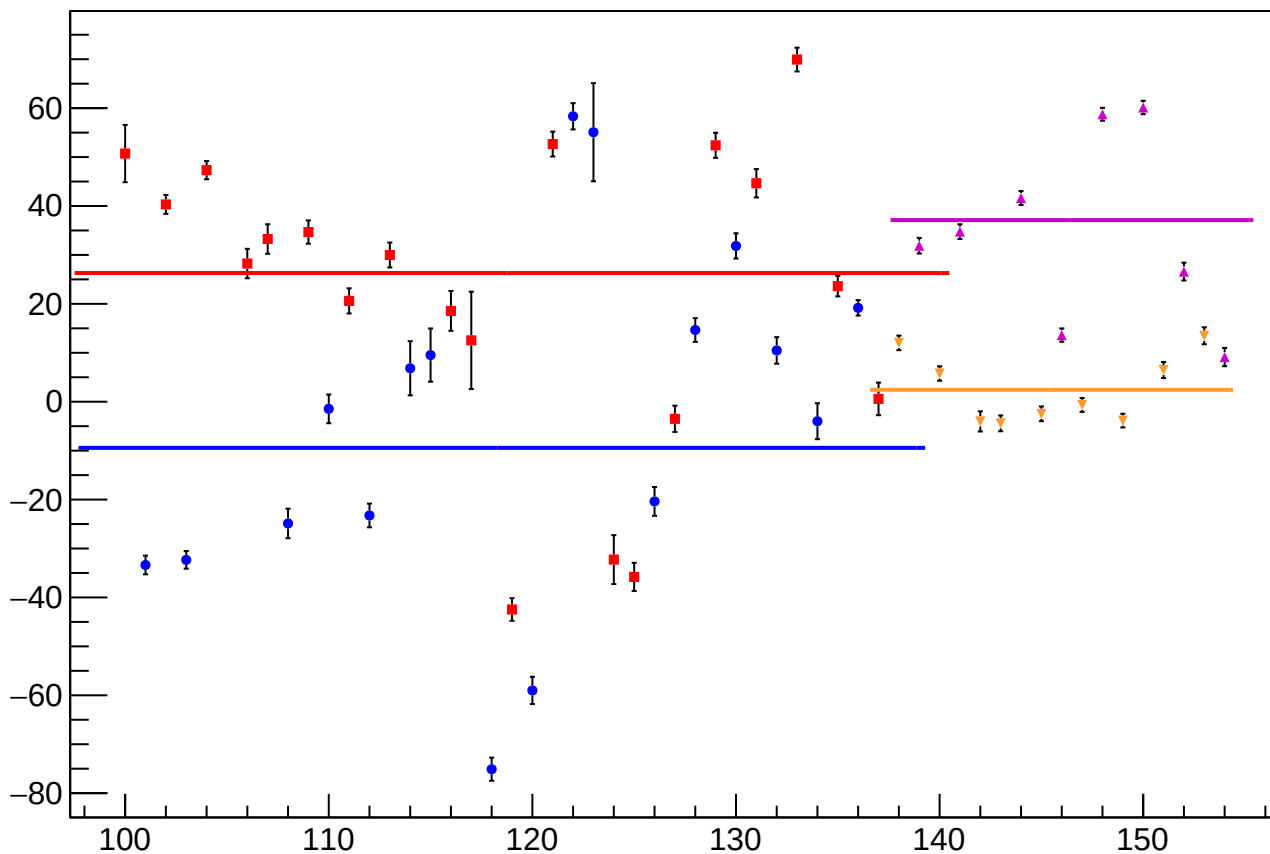
Right Out: 1544.983 ± 0.409 $\chi^2/\text{NDF}: 101624.6/19$

Left In: 1654.465 ± 0.459 $\chi^2/\text{NDF}: 42734.9/7$

1593.824 ± 0.309 $\chi^2/\text{NDF}: 112372.2/25$

1593.446 ± 0.305 $\chi^2/\text{NDF}: 176124.6/27$

diff_bpm0i02aY_mean vs Slug



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

Left Out: 2.432 ± 0.521 χ^2/NDF : 156.5/8

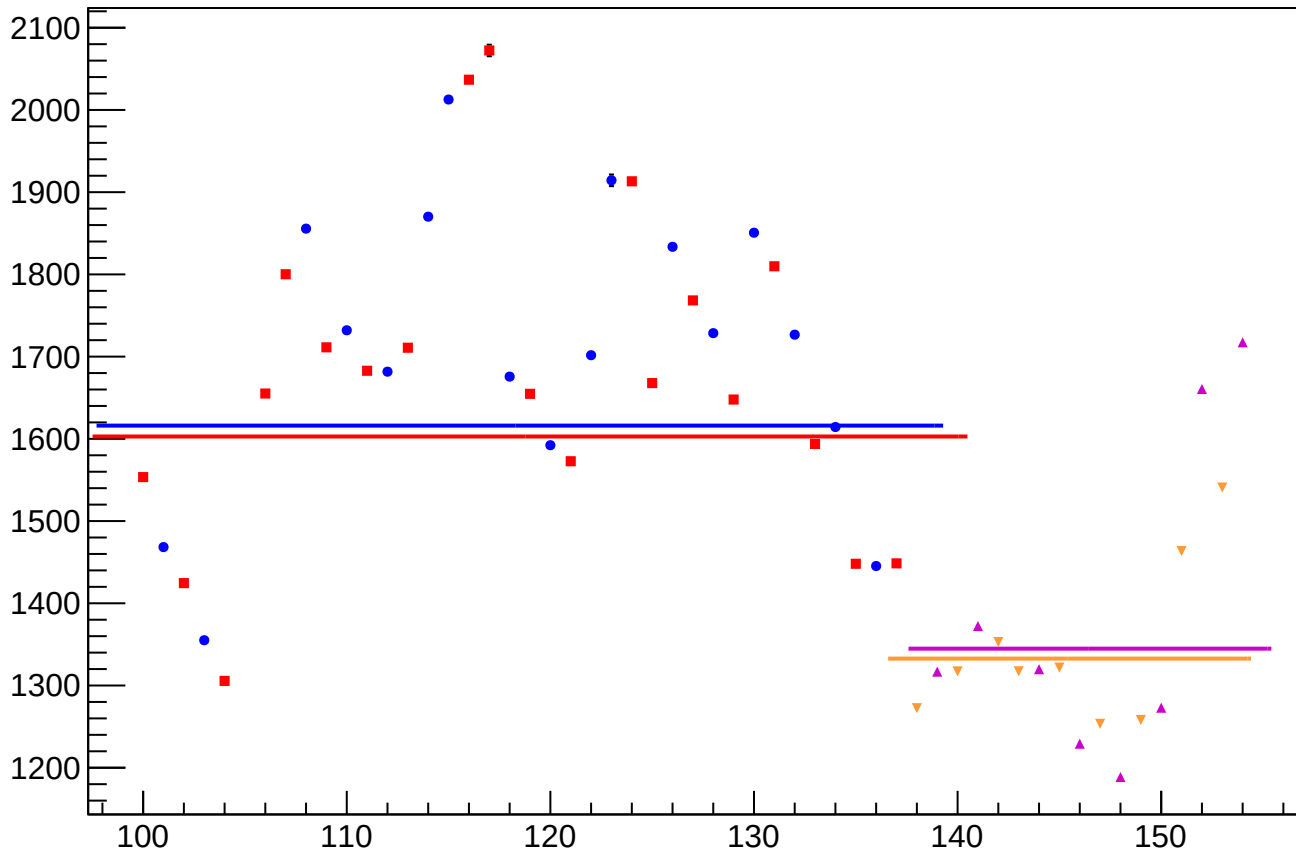
Right Out: 26.304 ± 0.602 χ^2/NDF : 2474.0/19

Left In: 37.115 ± 0.530 χ^2/NDF : 1127.7/7

-2.420 ± 0.401 χ^2/NDF : 3292.3/25

32.390 ± 0.398 χ^2/NDF : 3783.4/27

diff_bpm0i02aY_rms vs Slug



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

Left Out: 1332.734+/-0.369 χ^2/NDF : 57381.6/8

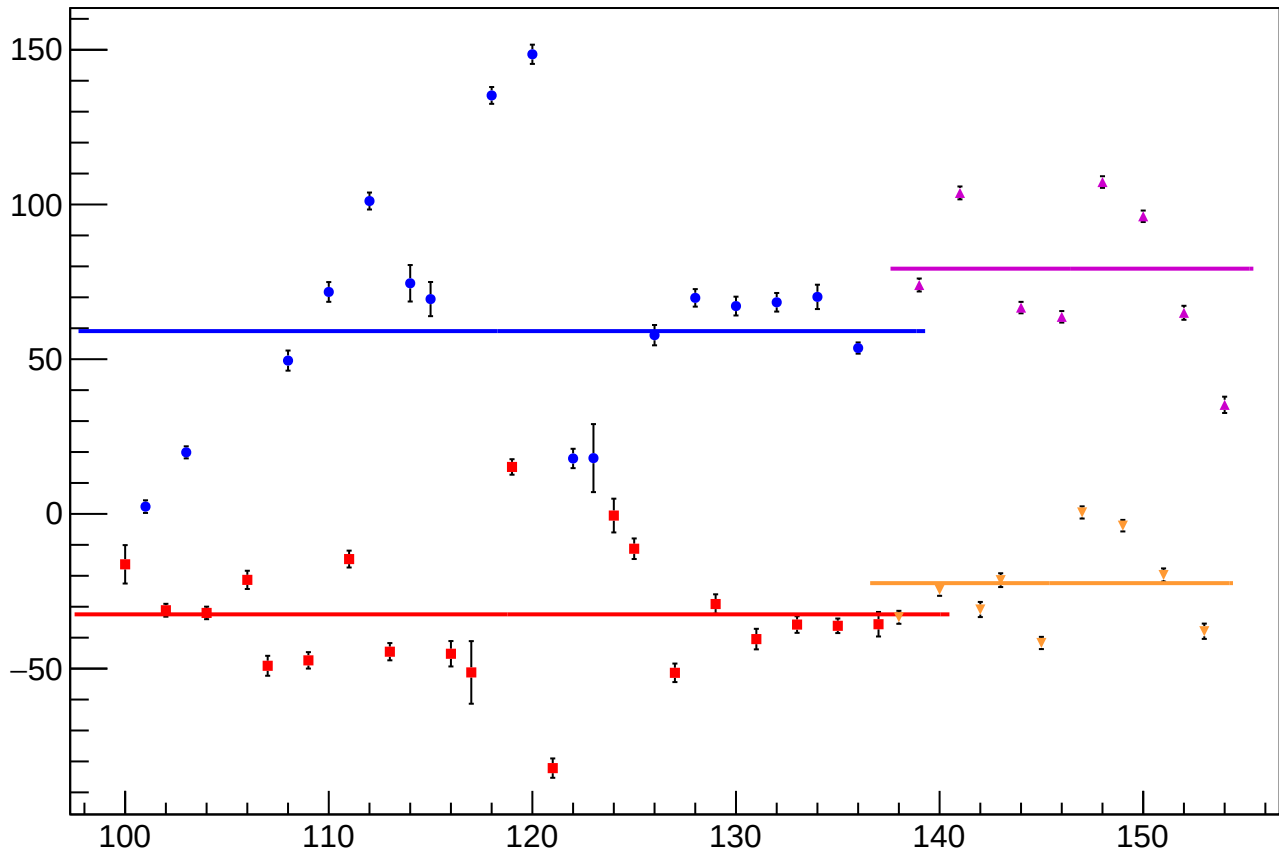
1448.668+/-0.283 χ^2/NDF : 448753.2/25

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

1457.594+/-0.281 χ^2/NDF : 553866.6/27

Left In: 1344.833+/-0.375 χ^2/NDF : 188685.7/7

diff_bpm0i05X_mean vs Slug



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

Left Out: -22.376 ± 0.701 χ^2/NDF : 411.3/8

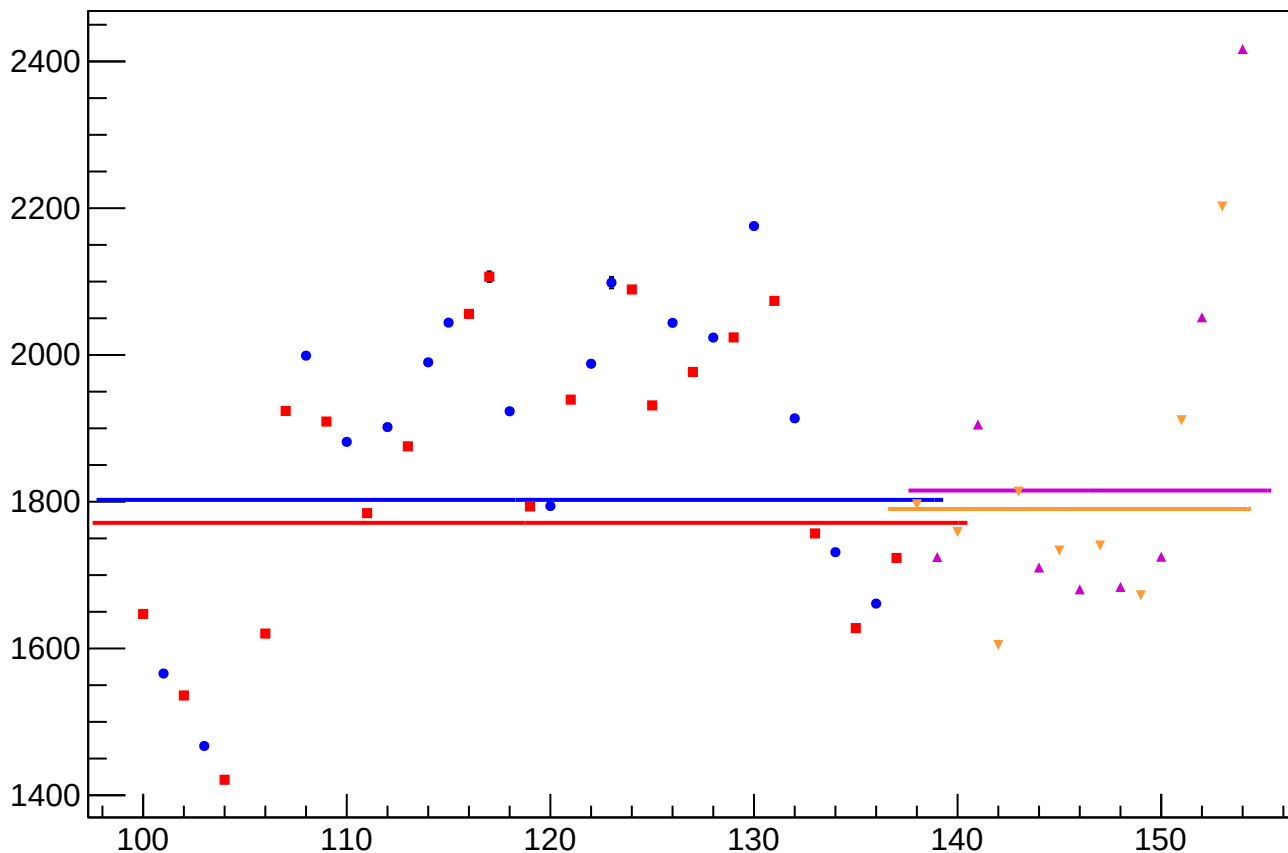
Right Out: -32.463 ± 0.665 χ^2/NDF : 894.9/19

Left In: 79.260 ± 0.715 χ^2/NDF : 885.3/7

18.450 ± 0.495 χ^2/NDF : 10469.8/25

19.325 ± 0.487 χ^2/NDF : 14862.4/27

diff_bpm0i05X_rms vs Slug



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

Left Out: 1790.109+/-0.496 χ^2/NDF : 85079.5/8

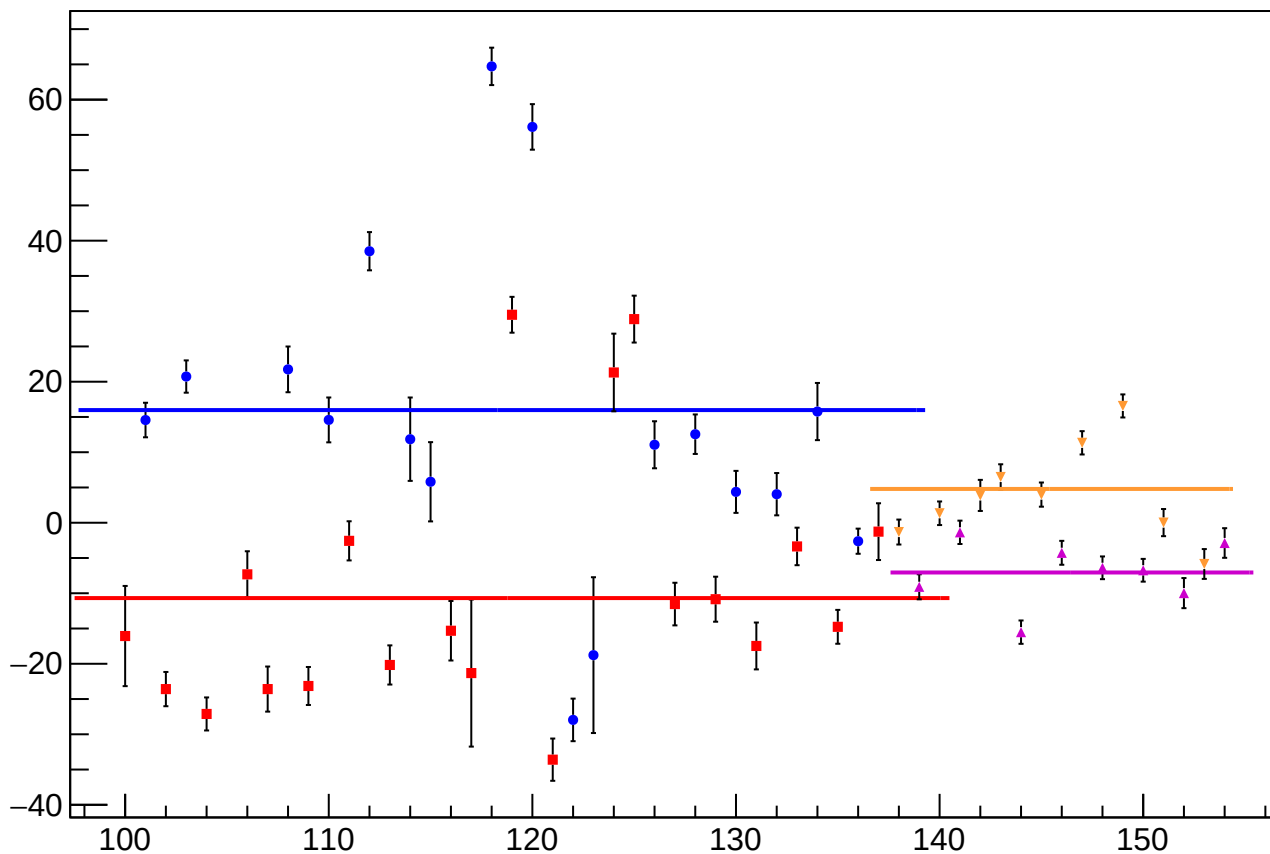
Right Out: 1771.228+/-0.470 χ^2/NDF : 180101.6/19

Left In: 1815.249+/-0.506 χ^2/NDF : 165032.7/7

1796.331+/-0.350 χ^2/NDF : 269462.8/25

1791.634+/-0.344 χ^2/NDF : 349196.4/27

diff_bpm0i05Y_mean vs Slug



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

Left Out: 4.794 ± 0.601 χ^2/NDF : 116.4/8

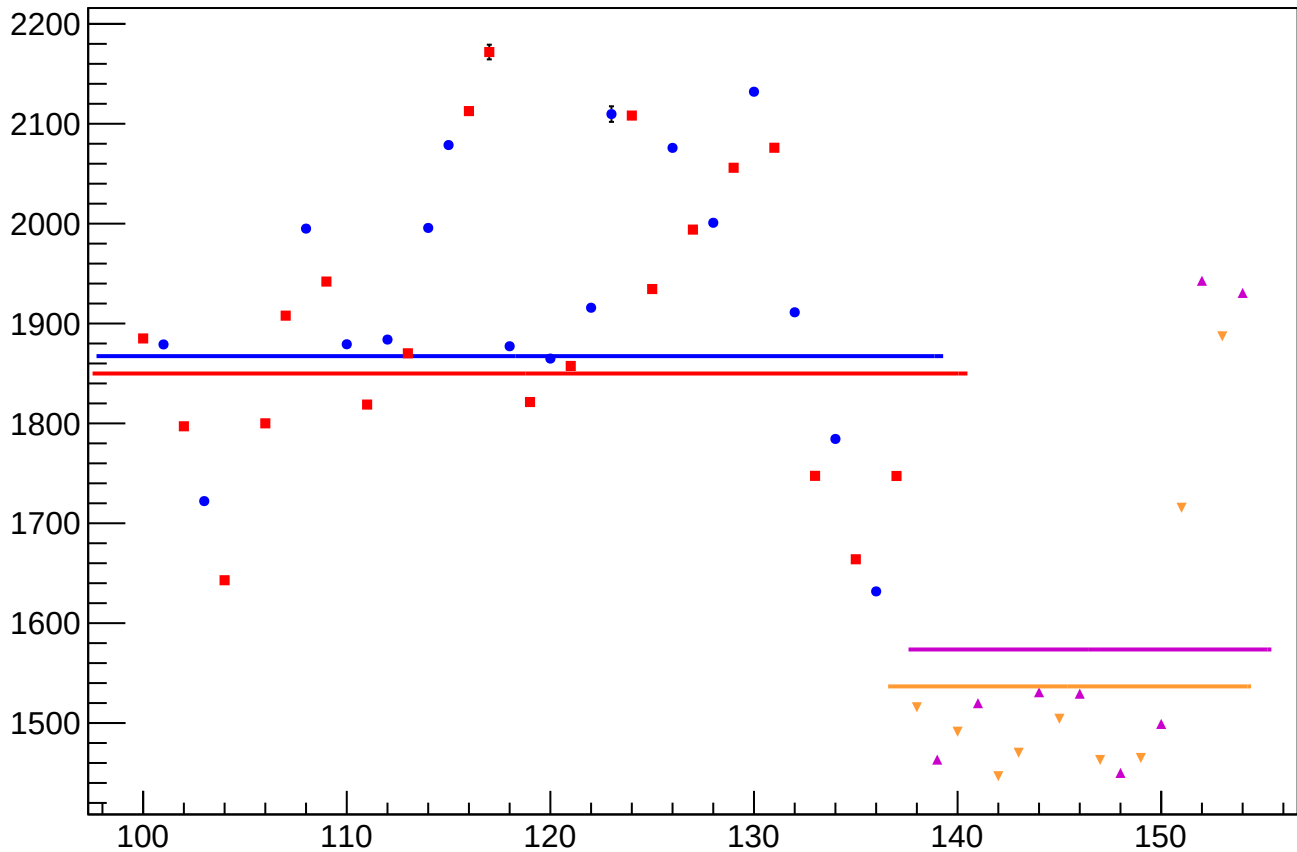
Right Out: -10.685 ± 0.692 χ^2/NDF : 643.2/19

Left In: -7.055 ± 0.619 χ^2/NDF : 48.0/7

9.378 ± 0.462 χ^2/NDF : 1196.5/25

-8.669 ± 0.461 χ^2/NDF : 706.5/27

diff_bpm0i05Y_rms vs Slug



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

Left Out: 1536.659 $\pm$ 0.425 χ^2 /NDF:88535.4/8

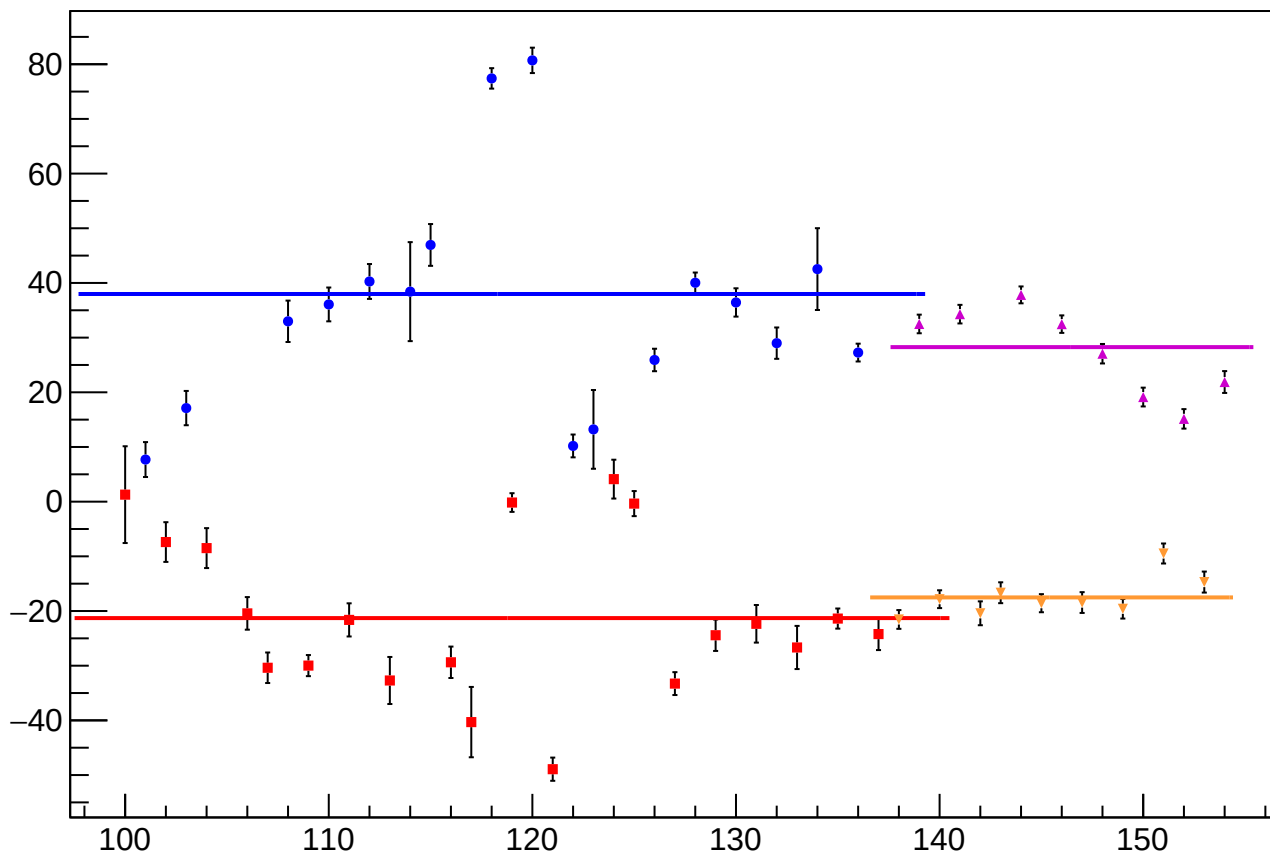
Right Out: 1849.954 $\pm$ 0.489 χ^2 /NDF: 74440.9/19

Left In: 1573.634 $\pm$ 0.438 χ^2 /NDF:146120.6/7

1672.224 $\pm$ 0.327 χ^2 /NDF: 417273.5/25

1696.471 $\pm$ 0.326 χ^2 /NDF: 397784.8/27

diff_bpm0i07X_mean vs Slug



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

Left Out: -17.513 ± 0.606 χ^2/NDF : 30.9/8

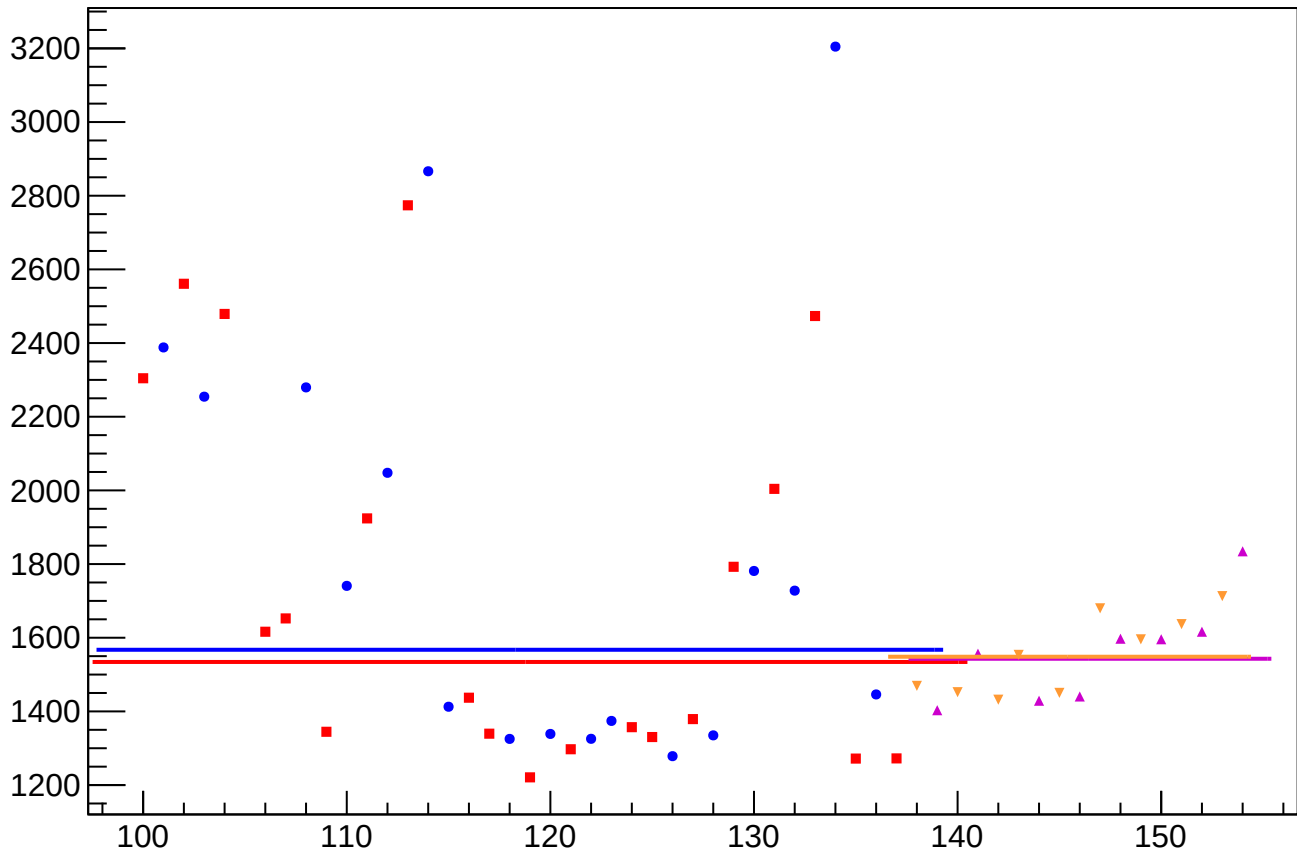
Right Out: -21.294 ± 0.606 χ^2/NDF : 582.5/19

Left In: 28.264 ± 0.606 χ^2/NDF : 157.0/7

8.825 ± 0.439 χ^2/NDF : 5217.6/25

3.458 ± 0.428 χ^2/NDF : 4083.8/27

diff_bpm0i07X_rms vs Slug



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

Left Out: 1548.442+/-0.428 χ^2/NDF : 54289.3/8

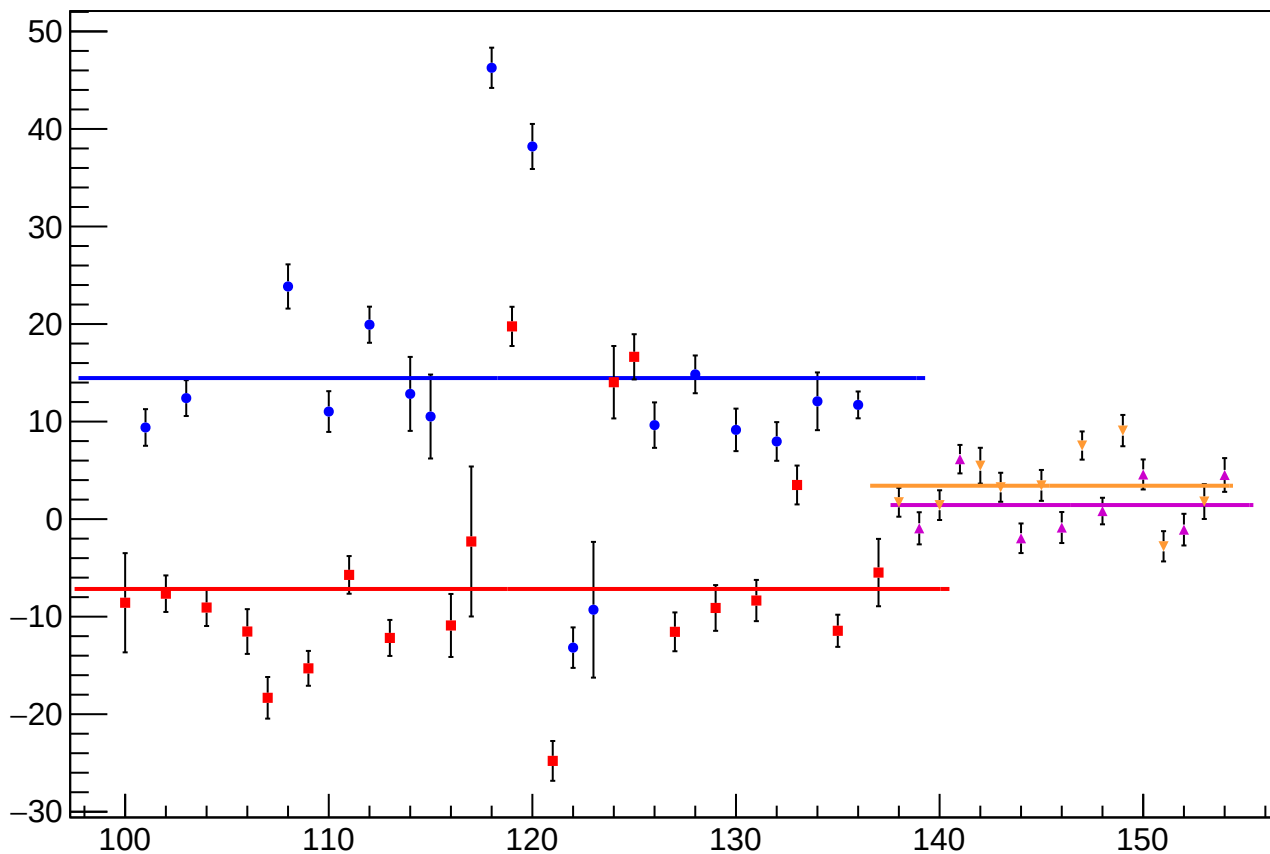
Right Out: 1534.225+/-0.428 χ^2/NDF : 883947.6/19

Left In: 1542.937+/-0.429 χ^2/NDF : 82463.4/7

1557.406+/-0.310 χ^2/NDF : 728662.6/25

1538.576+/-0.303 χ^2/NDF : 966617.7/27

diff_bpm0i07Y_mean vs Slug



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

Left Out: 3.424+/-0.525 χ^2/NDF : 41.6/8

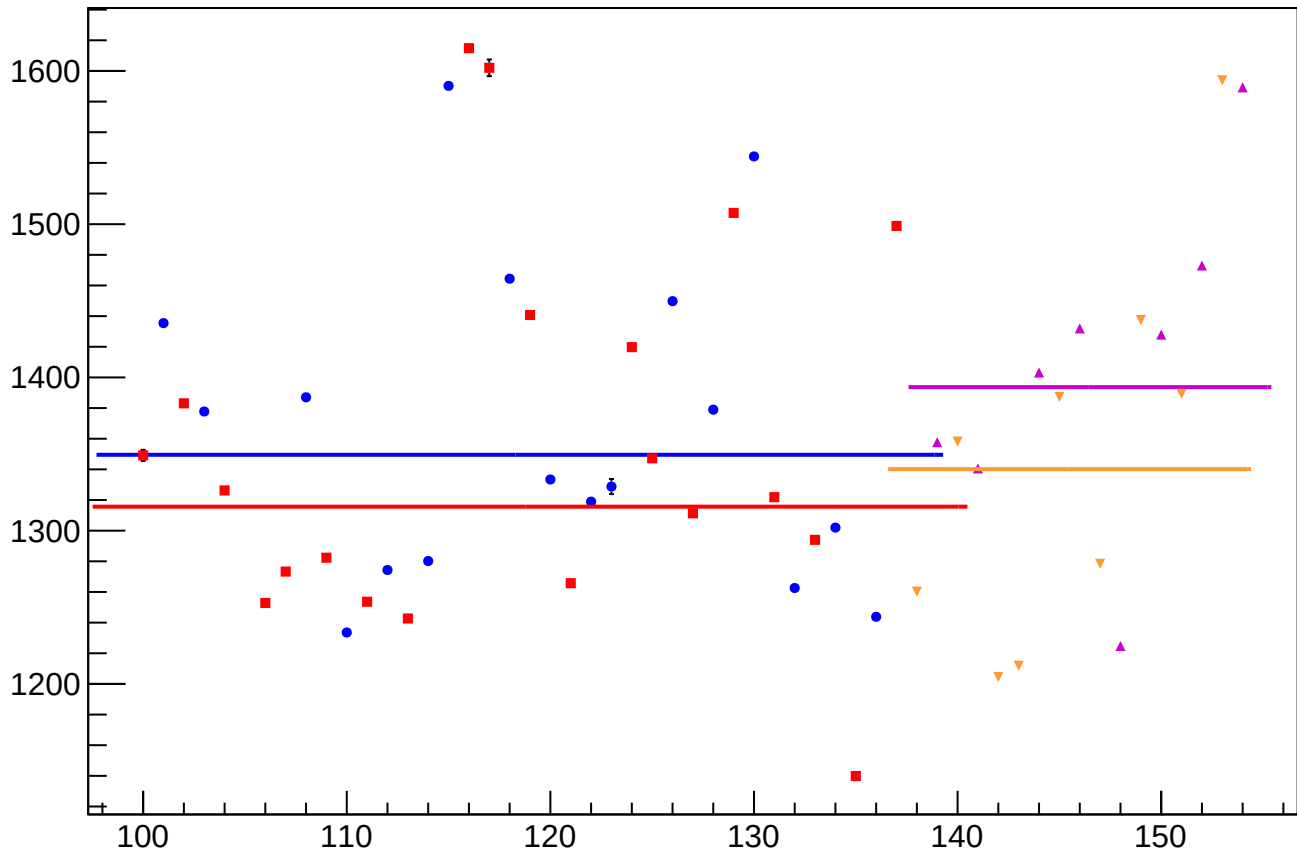
Right Out: -7.161+/-0.493 χ^2/NDF : 496.1/19

Left In: 1.443+/-0.547 χ^2/NDF : 29.6/7

8.960+/-0.371 χ^2/NDF : 859.4/25

-3.301+/-0.366 χ^2/NDF : 662.1/27

diff_bpm0i07Y_rms vs Slug



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

Left Out: 1340.150 ± 0.371 χ^2/NDF : 87063.4/8

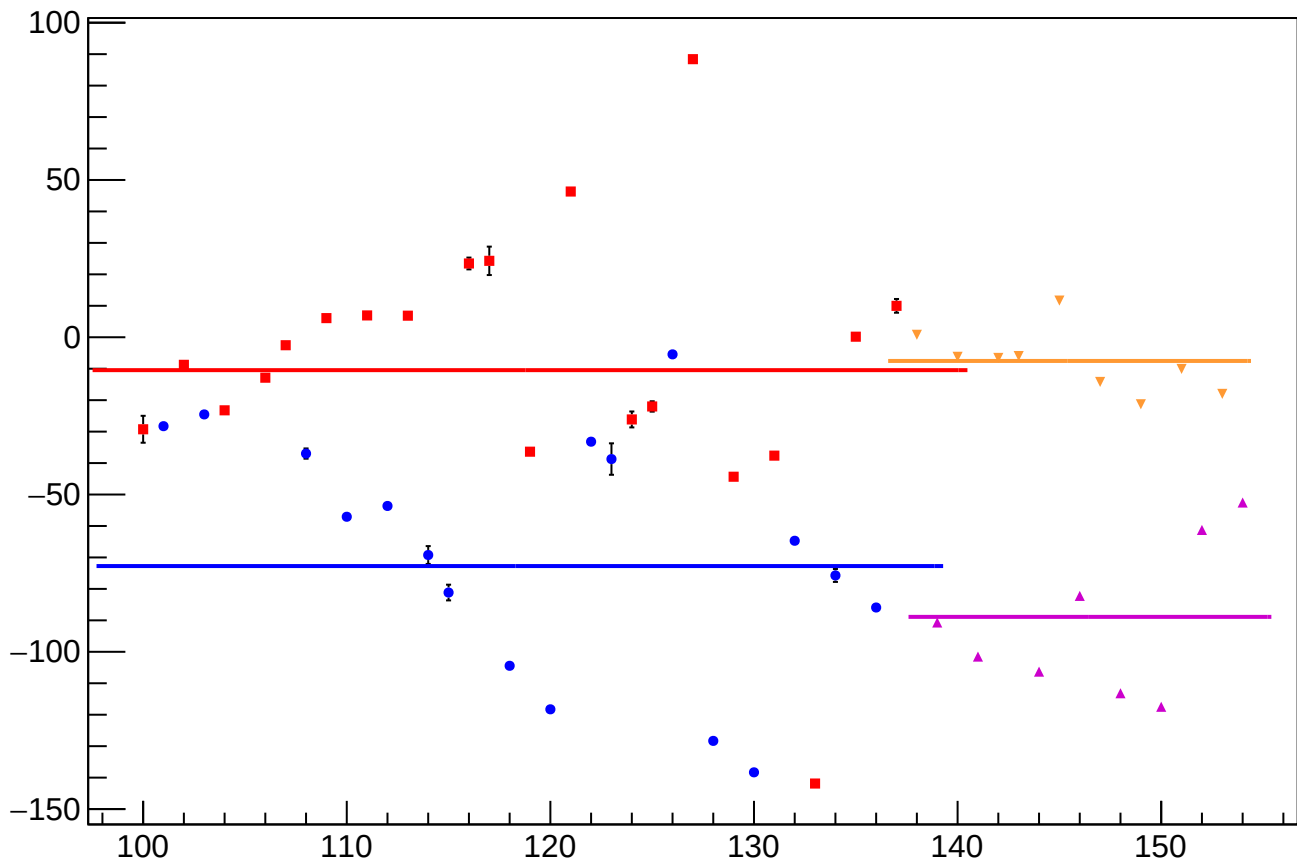
Right Out: 1315.669 ± 0.349 χ^2/NDF : 83739.0/19

Left In: 1393.684 ± 0.387 χ^2/NDF : 66958.0/7

1344.851 ± 0.262 χ^2/NDF : 152050.8/25

1350.669 ± 0.259 χ^2/NDF : 173134.6/27

diff_bpm1i02X_mean vs Slug



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

Left Out: -7.533 ± 0.366 $\chi^2/\text{NDF}: 666.4/8$

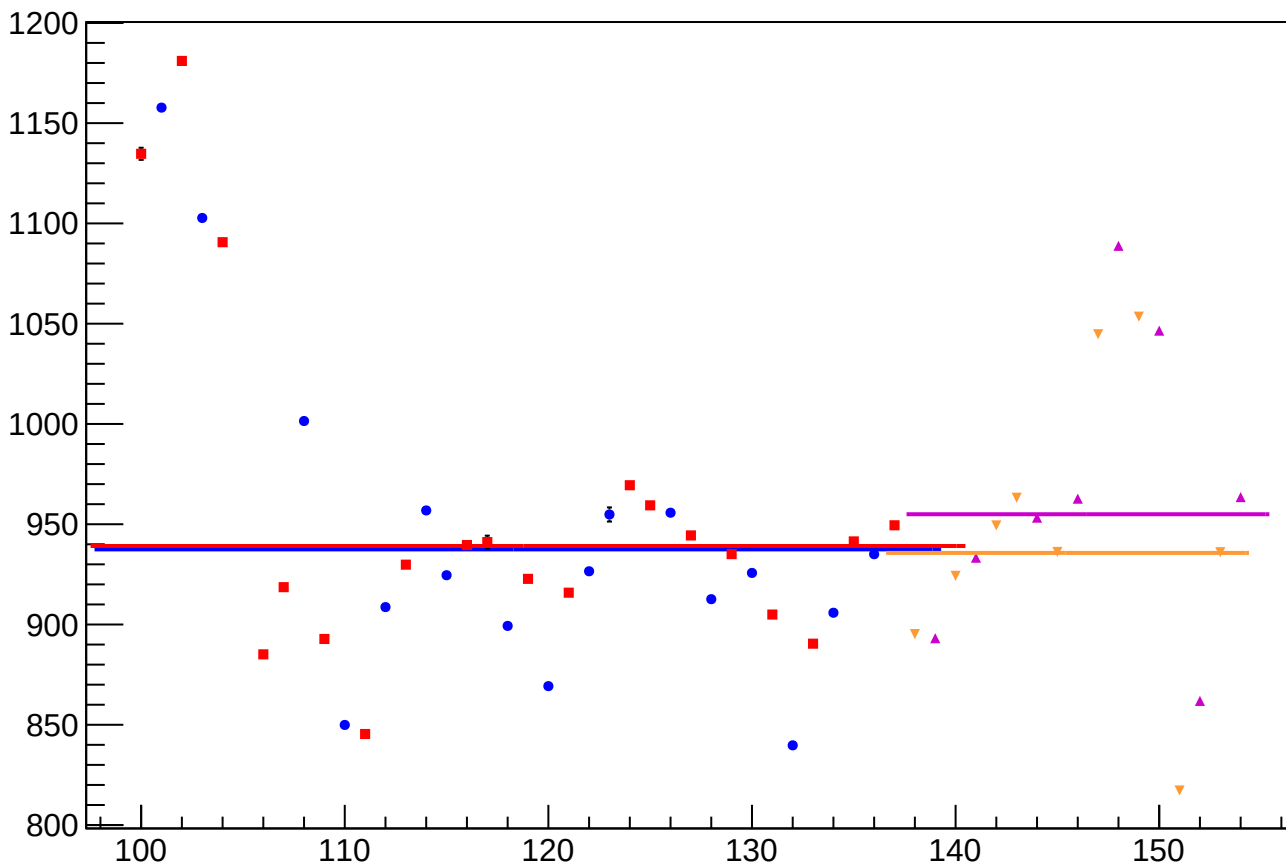
Right Out: -10.459 ± 0.351 $\chi^2/\text{NDF}: 18230.6/19$

Left In: -88.892 ± 0.374 $\chi^2/\text{NDF}: 3572.5/7$

-40.451 ± 0.257 $\chi^2/\text{NDF}: 28392.9/25$

-47.172 ± 0.256 $\chi^2/\text{NDF}: 45141.0/27$

diff_bpm1i02X_rms vs Slug



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

Left Out: 935.711 ± 0.259 χ^2/NDF : 75432.4/8

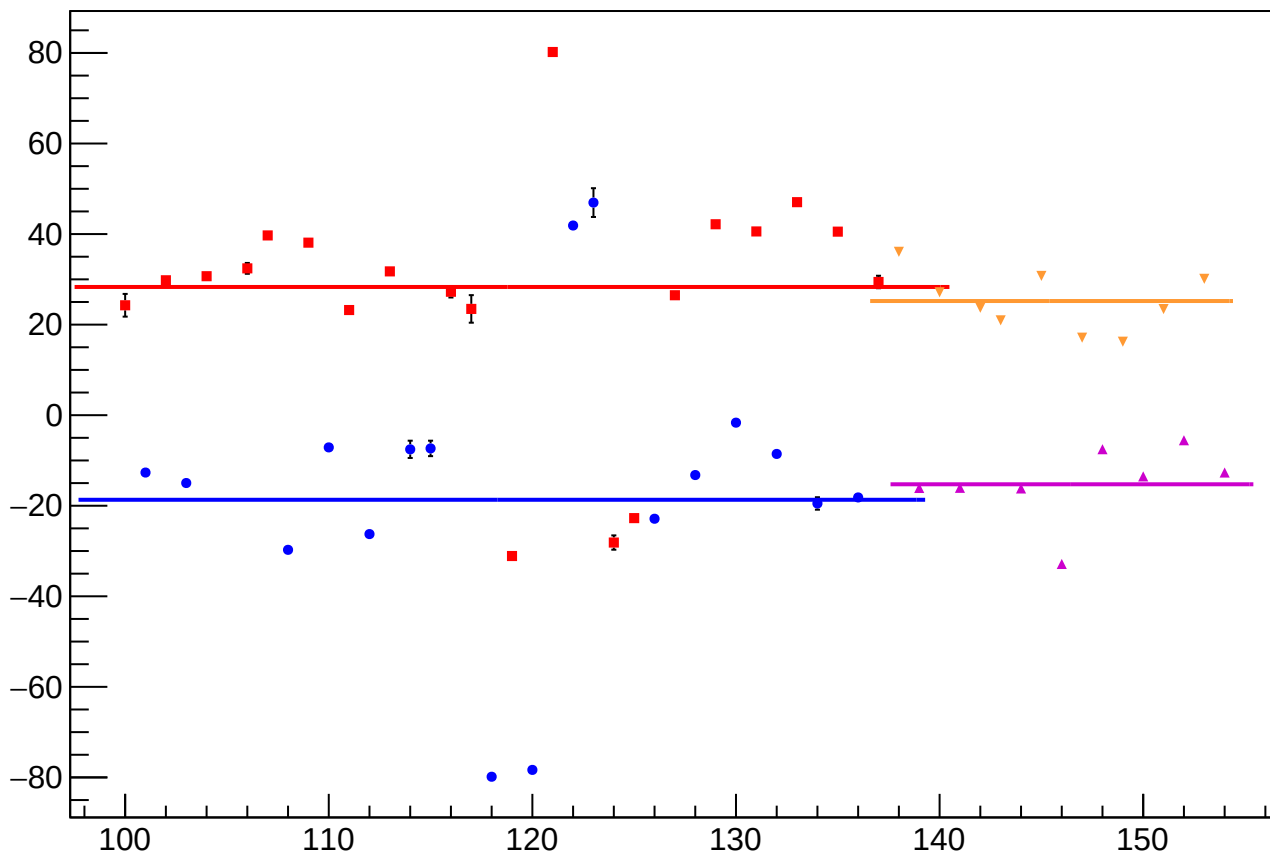
Right Out: 939.152 ± 0.248 χ^2/NDF : 90253.6/19

Left In: 954.983 ± 0.265 χ^2/NDF : 64576.0/7

936.590 ± 0.182 χ^2/NDF : 173763.0/25

946.562 ± 0.181 χ^2/NDF : 156731.2/27

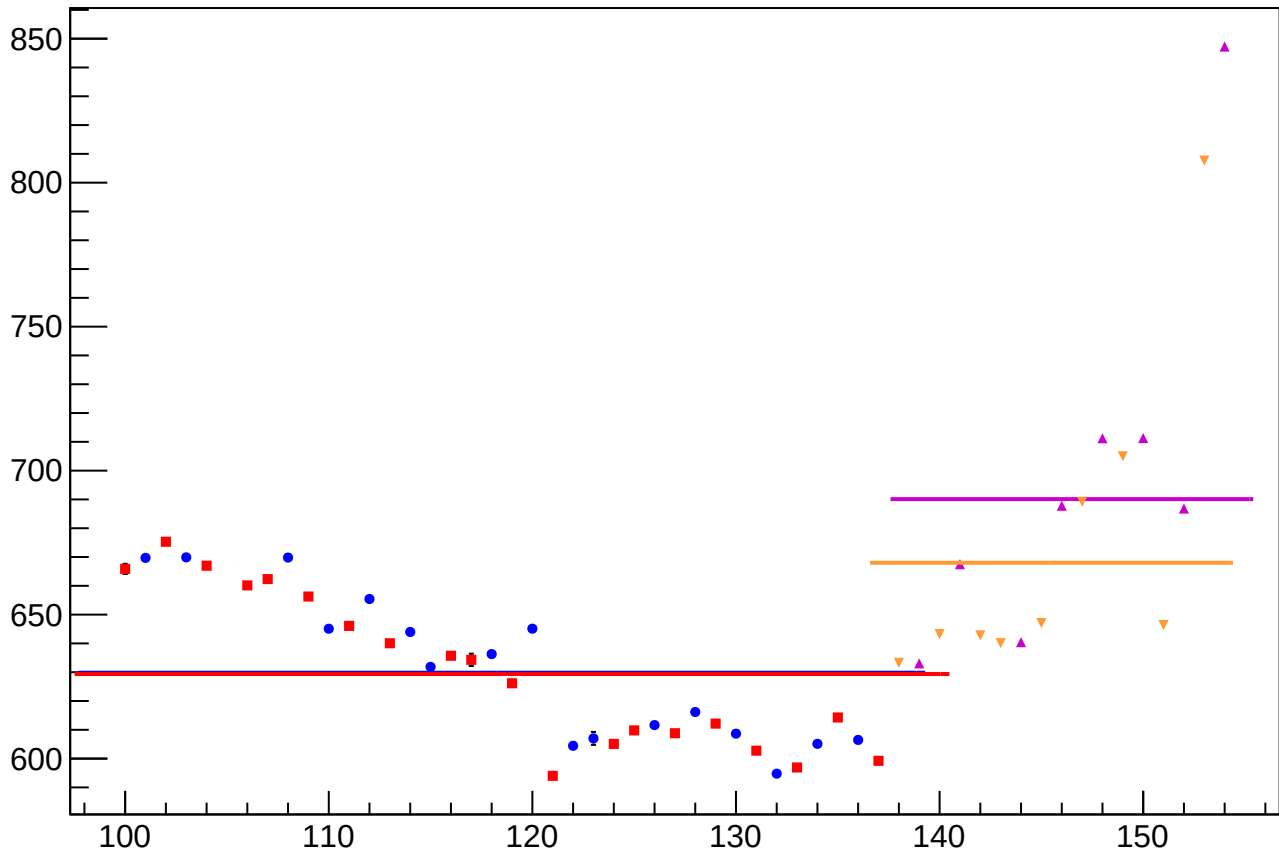
diff_bpm1i02Y_mean vs Slug



1.655 +/- 0.178 χ^2/NDF : 28753.0/25

9.639 +/- 0.177 χ^2/NDF : 28091.2/27

diff_bpm1i02Y_rms vs Slug



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

Left Out: 668.016+/-0.185 χ^2/NDF : 67064.3/8

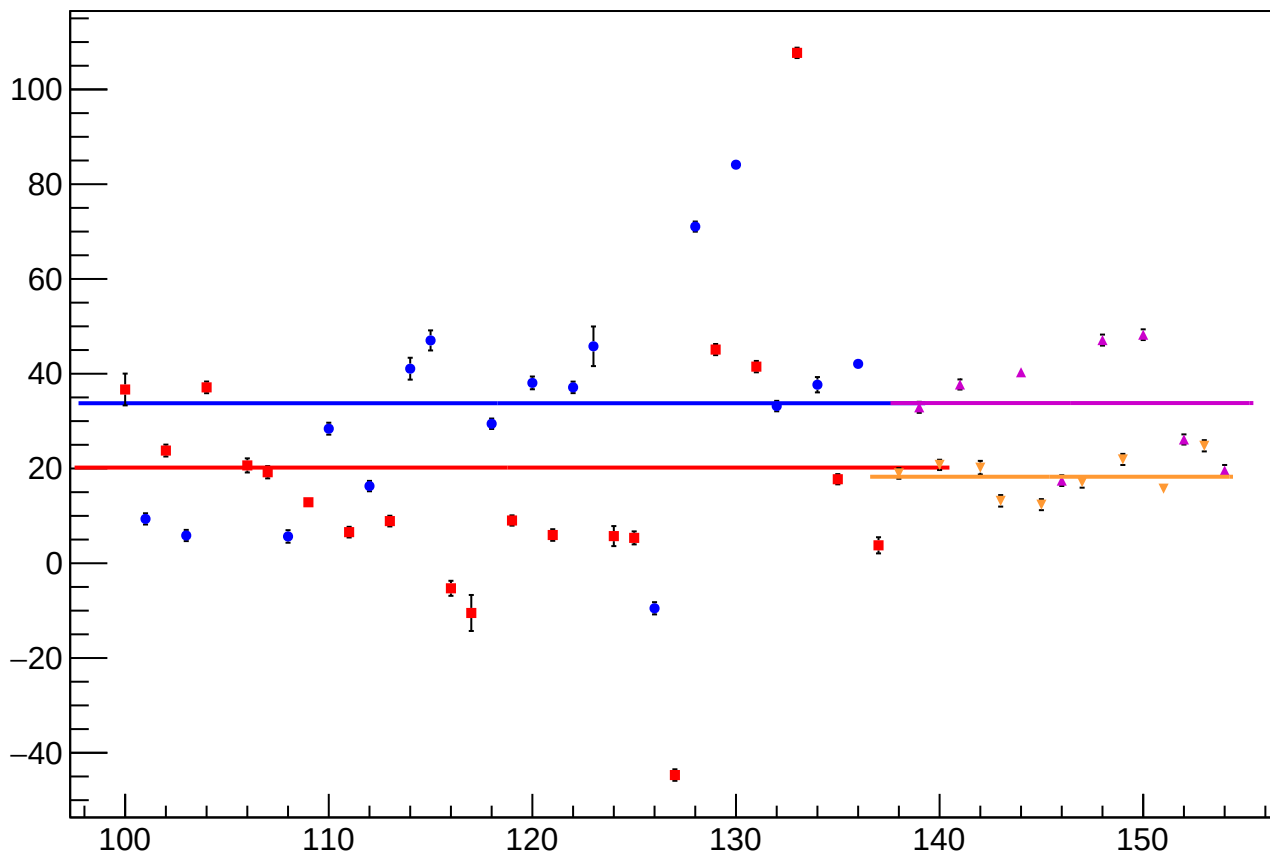
Right Out: 629.370+/-0.166 χ^2/NDF : 25543.7/19

Left In: 690.109+/-0.192 χ^2/NDF : 83907.9/7

647.514+/-0.126 χ^2/NDF : 113328.3/25

655.404+/-0.125 χ^2/NDF : 166838.7/27

diff_bpm1i04X_mean vs Slug



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

Left Out: 18.260 $\pm$ 0.389 χ^2 /NDF: 97.2/8

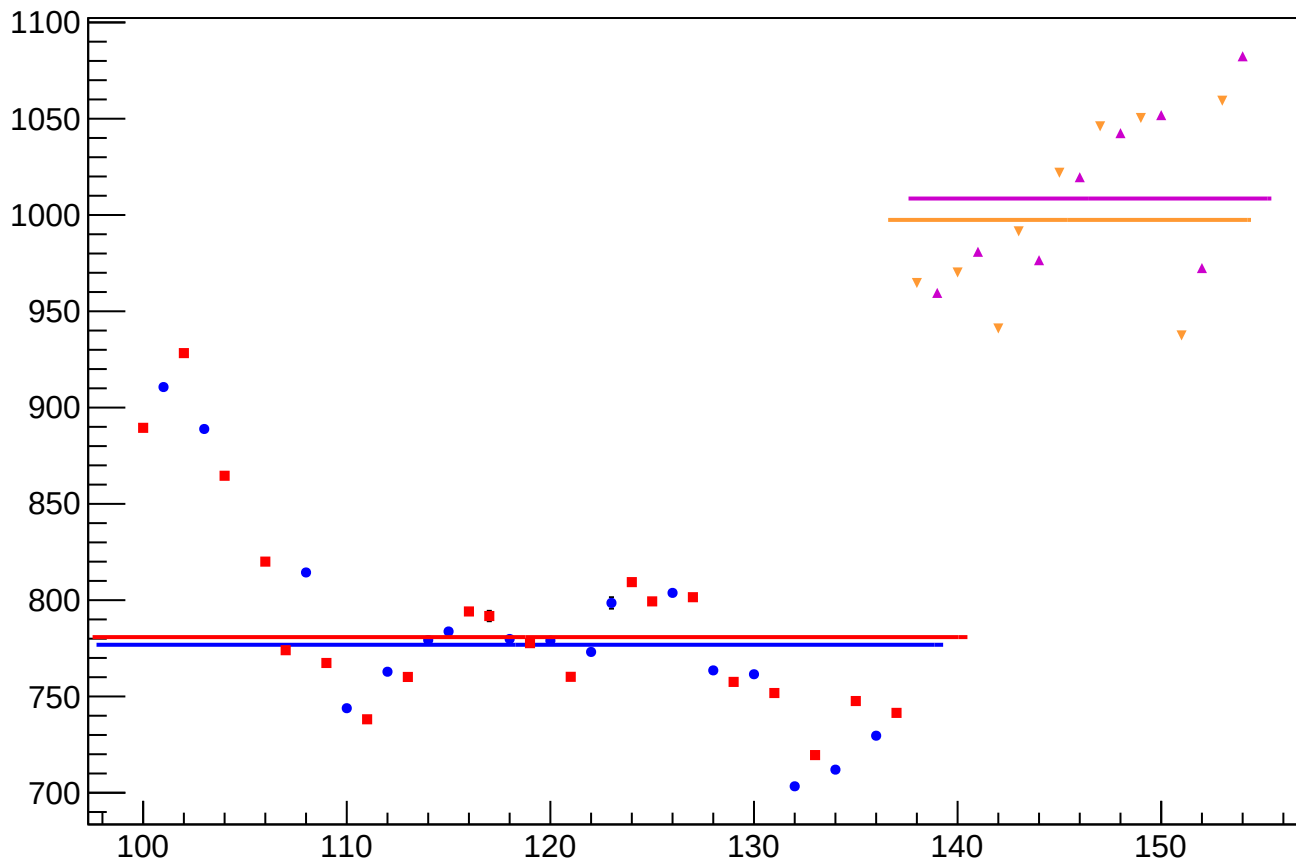
Right Out: 20.193 $\pm$ 0.292 χ^2 /NDF: 11353.3/19

Left In: 33.810 $\pm$ 0.395 χ^2 /NDF: 753.0/7

27.995 $\pm$ 0.238 χ^2 /NDF: 7581.7/25

24.999 $\pm$ 0.235 χ^2 /NDF: 12875.6/27

diff_bpm1i04X_rms vs Slug



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

Left Out: 997.456 $\pm$ 0.275 χ^2 /NDF: 26425.1/8

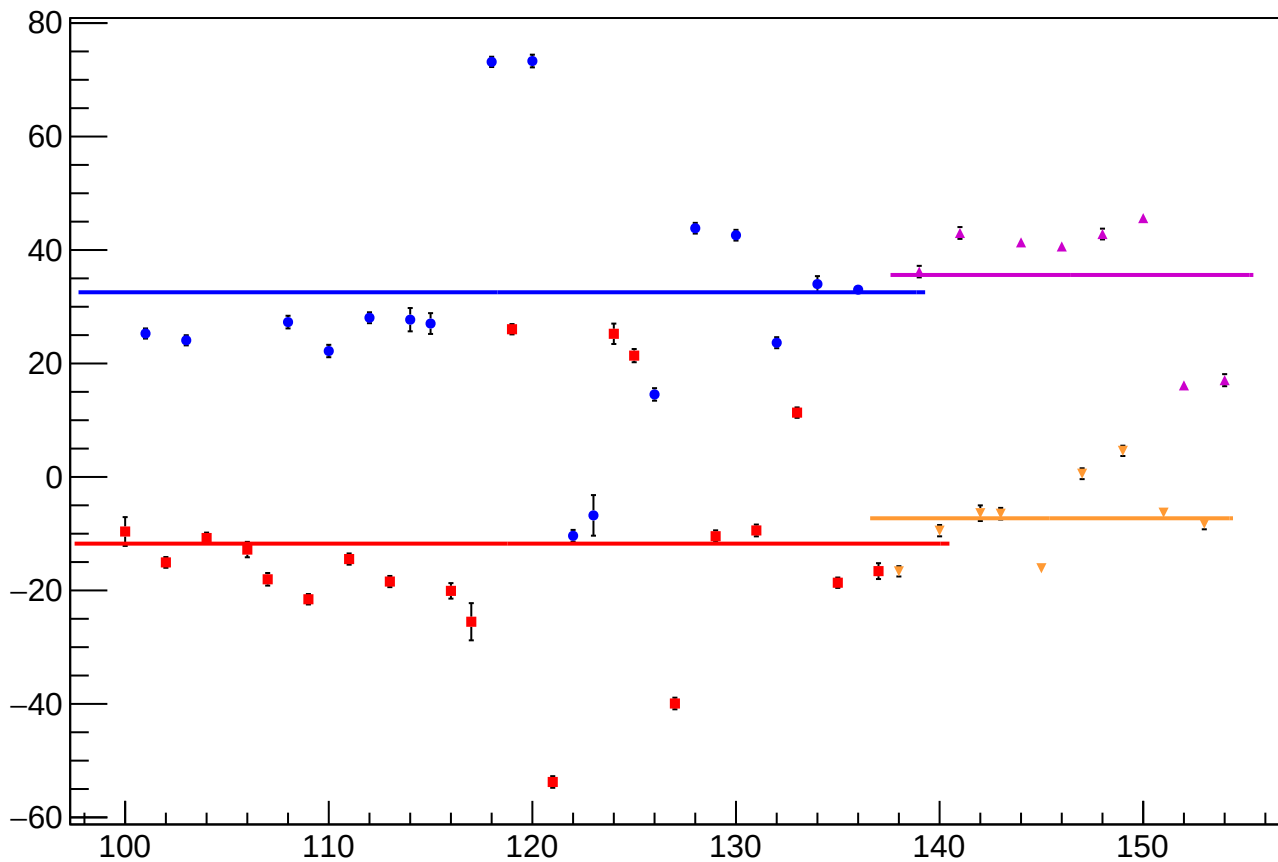
Right Out: 780.820 $\pm$ 0.206 χ^2 /NDF: 57445.6/19

Left In: 1008.553 $\pm$ 0.279 χ^2 /NDF: 21664.1/7

859.008 $\pm$ 0.168 χ^2 /NDF: 497045.0/25

861.192 $\pm$ 0.166 χ^2 /NDF: 509447.0/27

diff_bpm1i04Y_mean vs Slug



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

Left Out: -7.283 ± 0.321 χ^2/NDF : 450.2/8

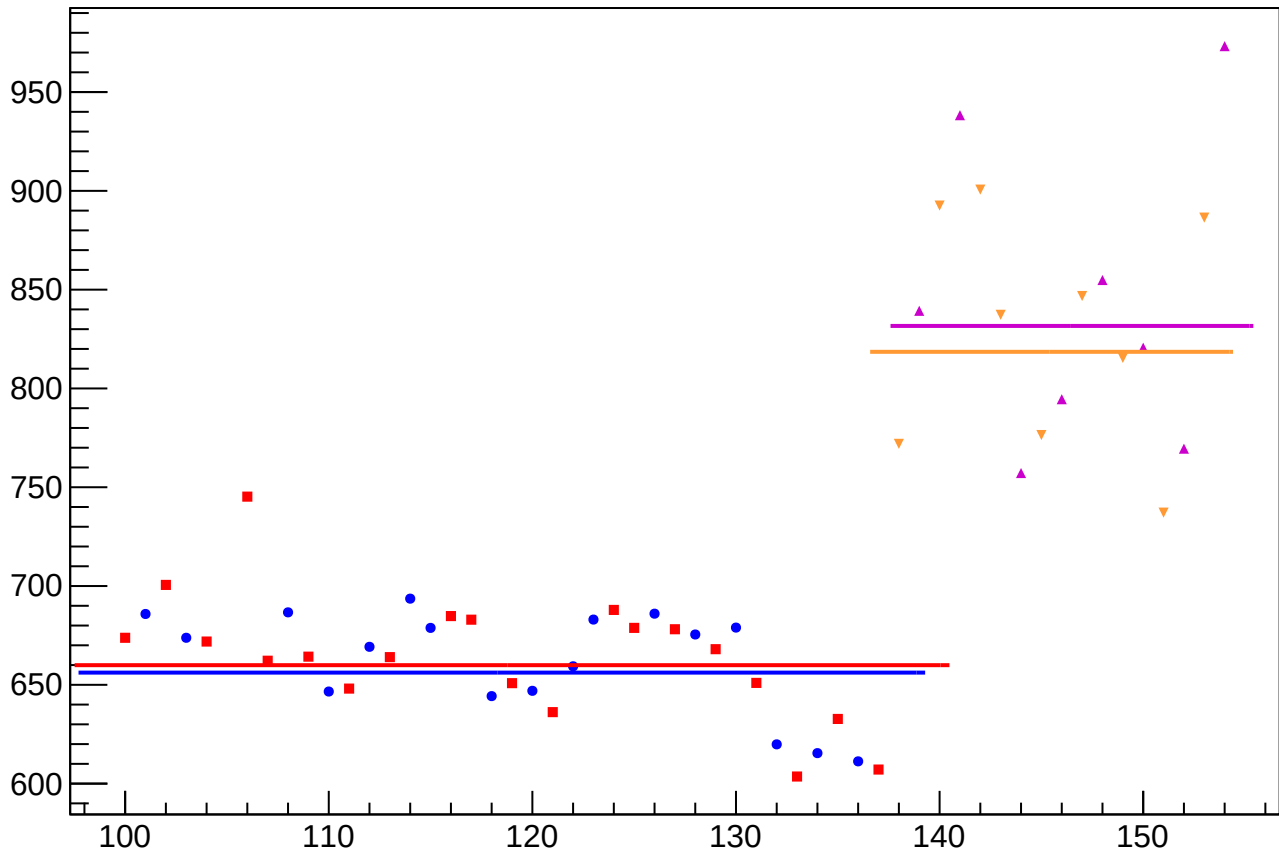
Right Out: -11.752 ± 0.246 χ^2/NDF : 6375.4/19

Left In: 35.604 ± 0.328 χ^2/NDF : 1142.5/7

17.273 ± 0.199 χ^2/NDF : 16042.3/25

5.315 ± 0.197 χ^2/NDF : 20841.3/27

diff_bpm1i04Y_rms vs Slug



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

Left Out: 818.537+/-0.227 χ^2/NDF : 59068.0/8

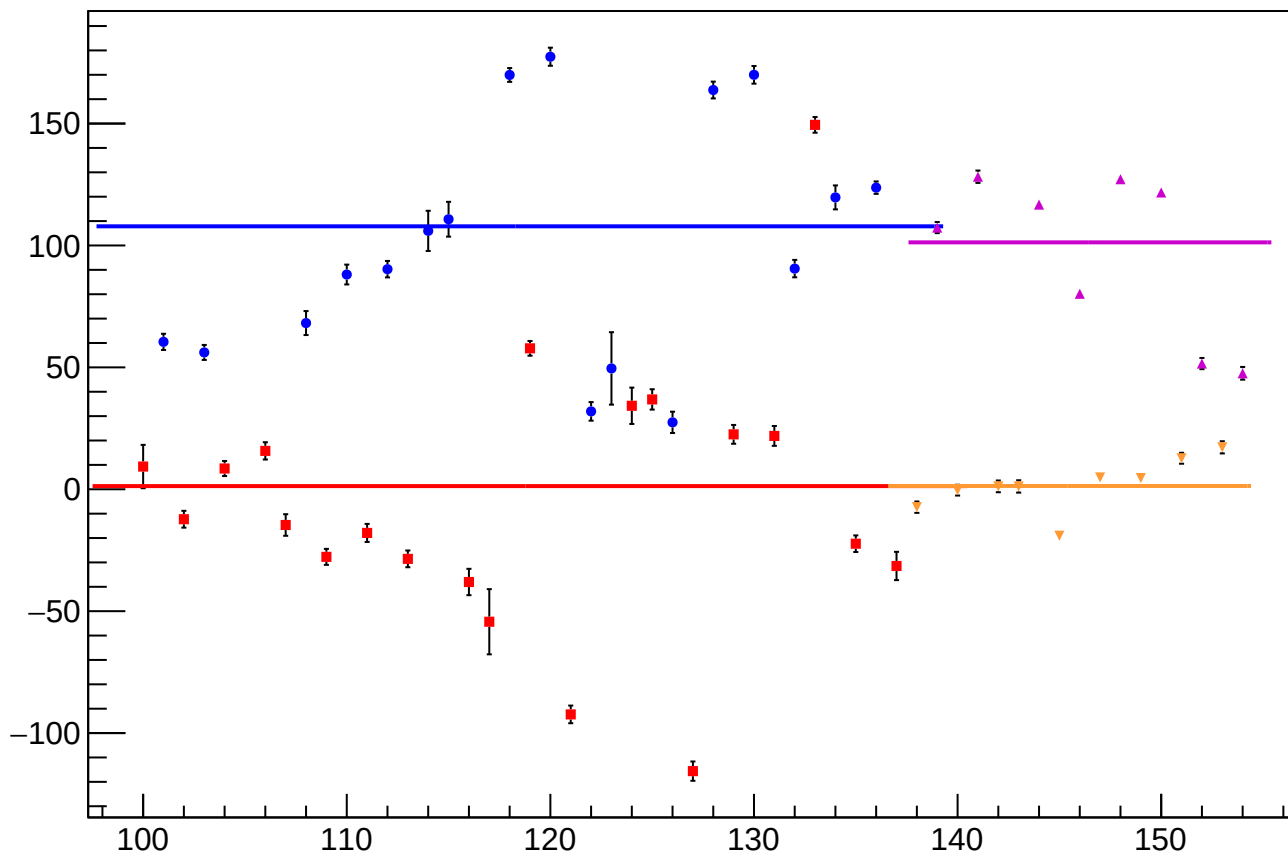
Right Out: 659.944+/-0.174 χ^2/NDF : 28425.0/19

Left In: 831.638+/-0.232 χ^2/NDF : 88357.1/7

718.453+/-0.140 χ^2/NDF : 398884.4/25

721.821+/-0.139 χ^2/NDF : 467062.4/27

diff_bpm1i06X_mean vs Slug



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

Left Out: 1.352 ± 0.713 χ^2/NDF : 189.4/8

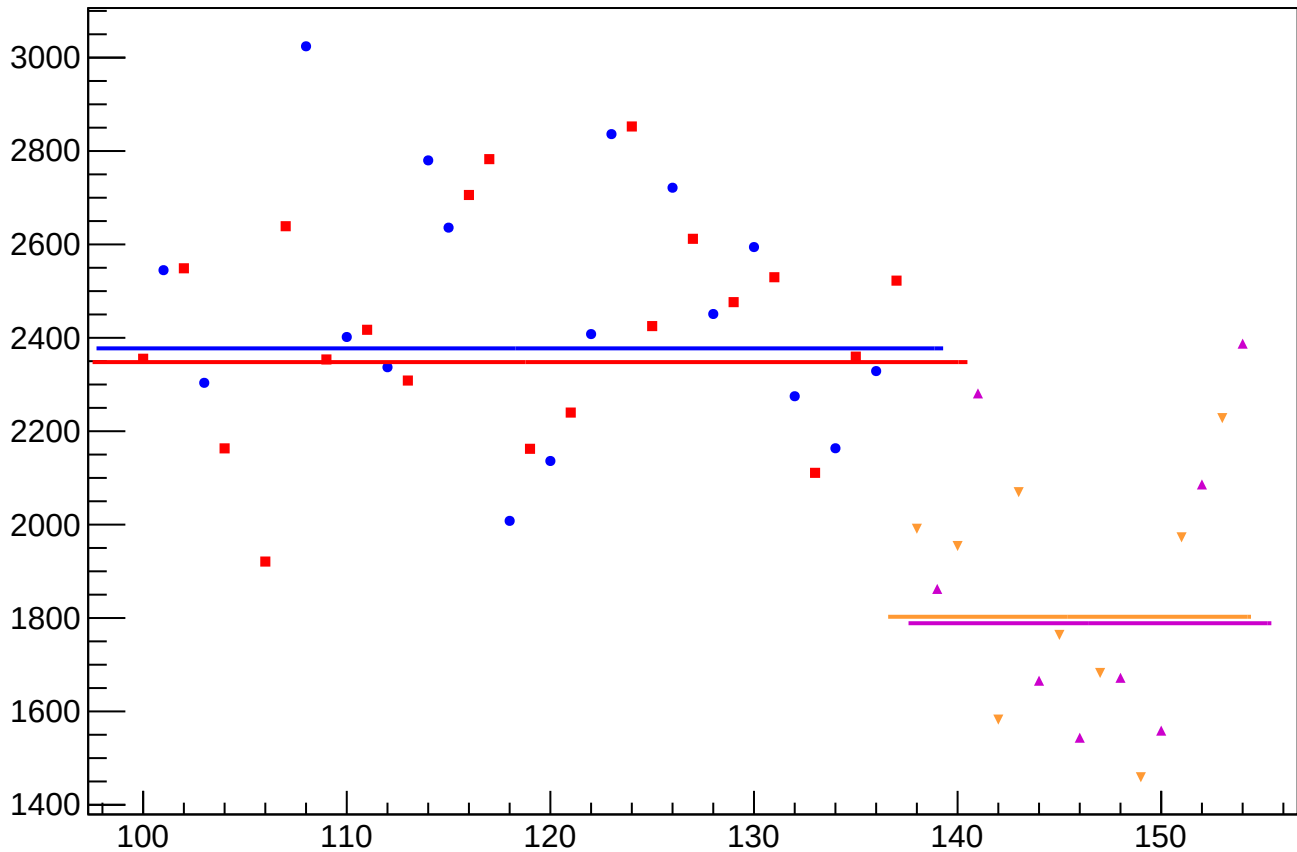
Right Out: 1.299 ± 0.881 χ^2/NDF : 4541.1/19

Left In: 101.273 ± 0.714 χ^2/NDF : 1571.4/7

41.215 ± 0.564 χ^2/NDF : 11355.2/25

61.676 ± 0.555 χ^2/NDF : 13882.5/27

diff_bpm1i06X_rms vs Slug



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

Left Out: 1802.674+/-0.504 χ^2/NDF : 227780.9/8

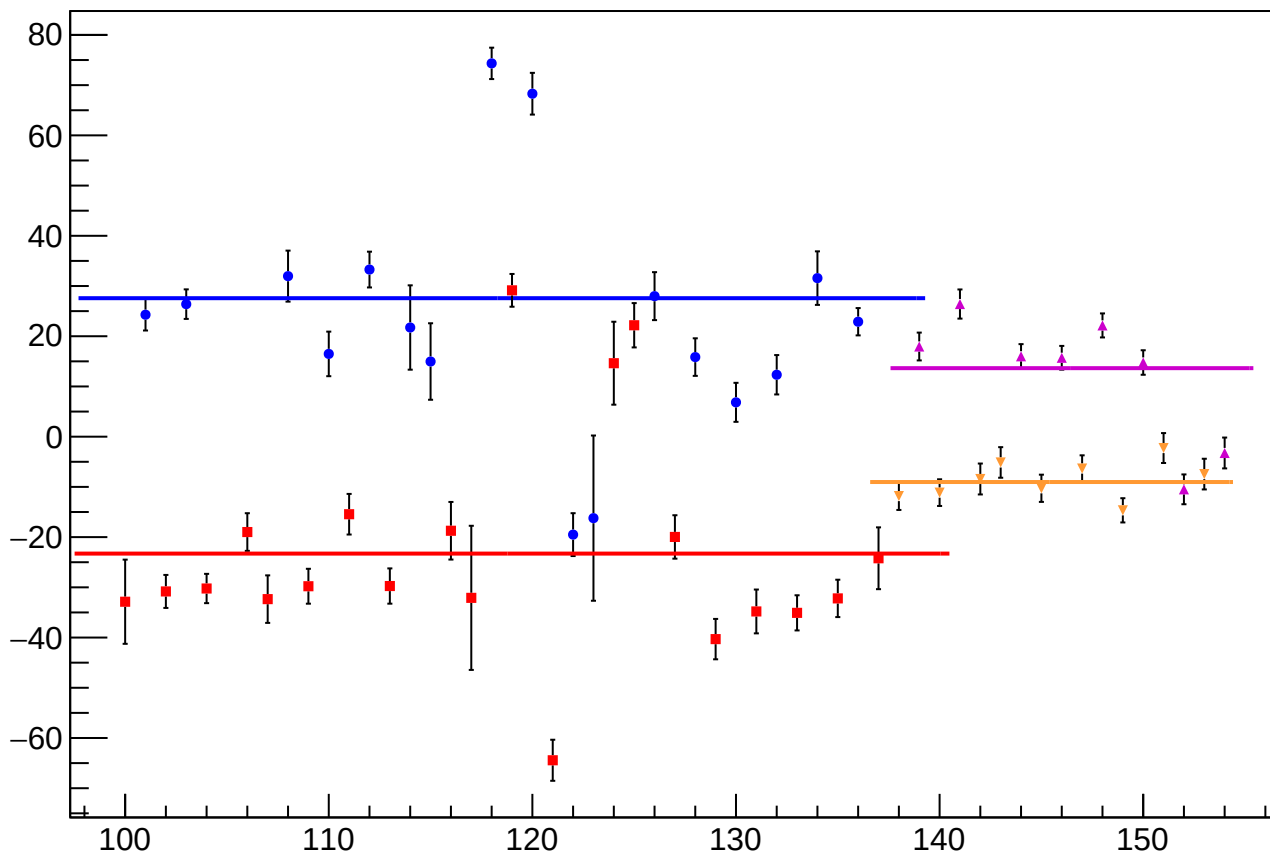
Right Out: 2348.017+/-0.623 χ^2/NDF : 110379.6/19

Left In: 1788.831+/-0.505 χ^2/NDF : 311765.9/7

2017.802+/-0.399 χ^2/NDF : 834204.4/25

2010.306+/-0.392 χ^2/NDF : 908325.4/27

diff_bpm1i06Y_mean vs Slug



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

Left Out: -9.028 ± 0.929 χ^2/NDF : 15.5/8

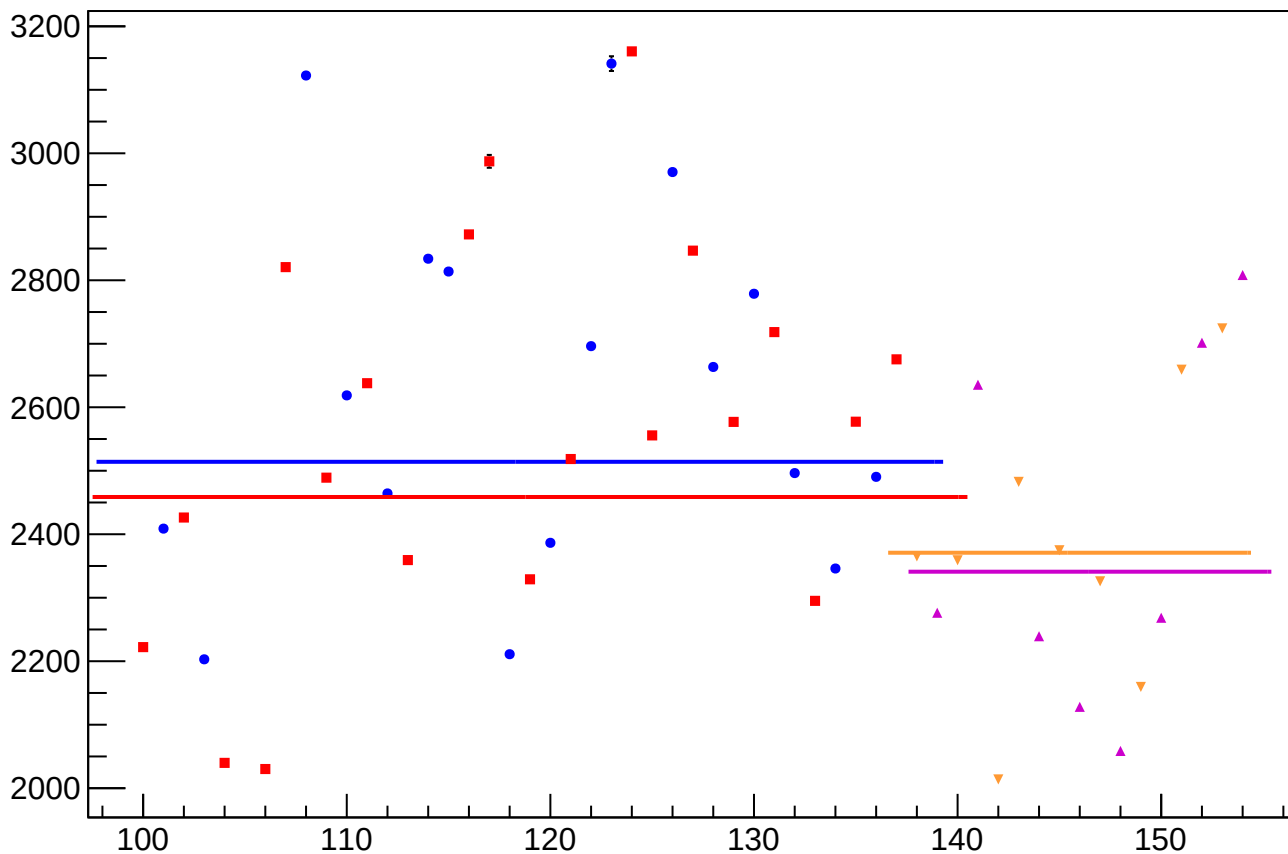
Right Out: -23.280 ± 0.925 χ^2/NDF : 558.2/19

Left In: 13.643 ± 0.928 χ^2/NDF : 132.7/7

8.400 ± 0.673 χ^2/NDF : 1273.8/25

-4.880 ± 0.655 χ^2/NDF : 1484.8/27

diff_bpm1i06Y_rms vs Slug



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

Left Out: 2370.879+/-0.657 χ^2/NDF : 91050.3/8

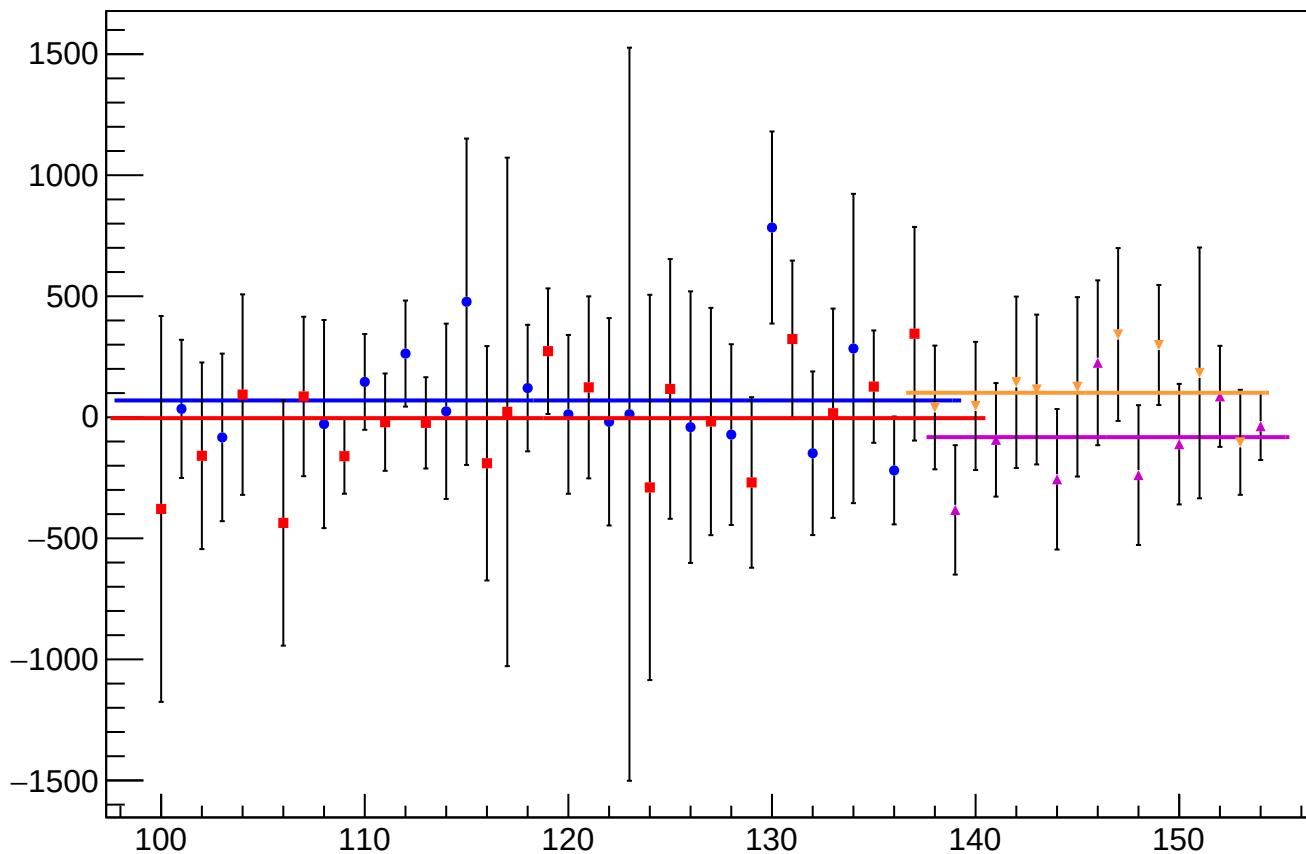
2439.064+/-0.476 χ^2/NDF : 234626.7/25

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

2400.027+/-0.463 χ^2/NDF : 315436.0/27

Left In: 2340.994+/-0.656 χ^2/NDF : 146851.8/7

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 69.587 $\pm$ 79.023 χ^2 /NDF: 7.3/16

Left Out: 101.399 $\pm$ 97.881 χ^2 /NDF: 2.1/8

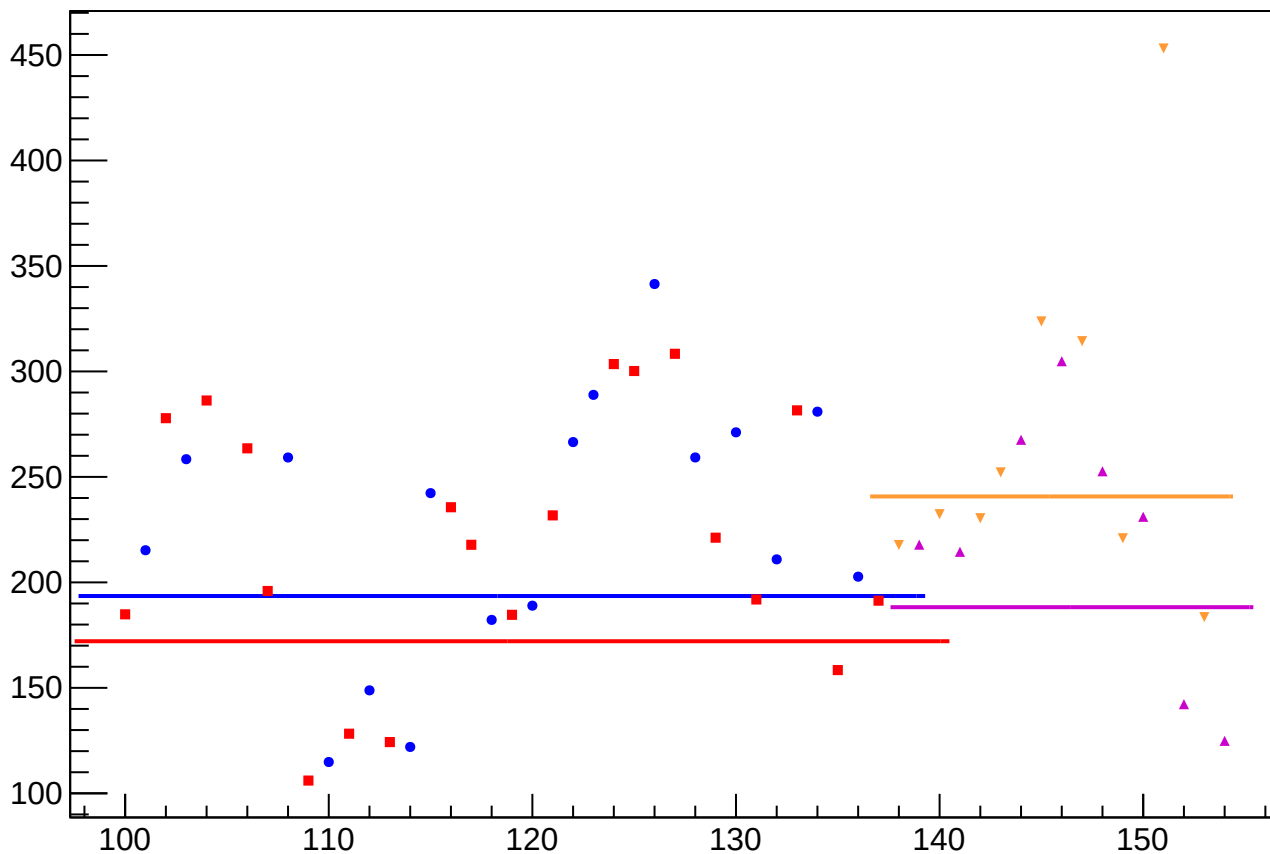
Right Out: -3.448 $\pm$ 69.825 χ^2 /NDF: 6.4/19

Left In: -81.936 $\pm$ 80.317 χ^2 /NDF: 3.5/7

82.140 $\pm$ 61.486 χ^2 /NDF: 9.5/25

-37.233 $\pm$ 52.695 χ^2 /NDF: 10.4/27

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: 240.730+/-0.069 χ^2/NDF : 696026.7/8

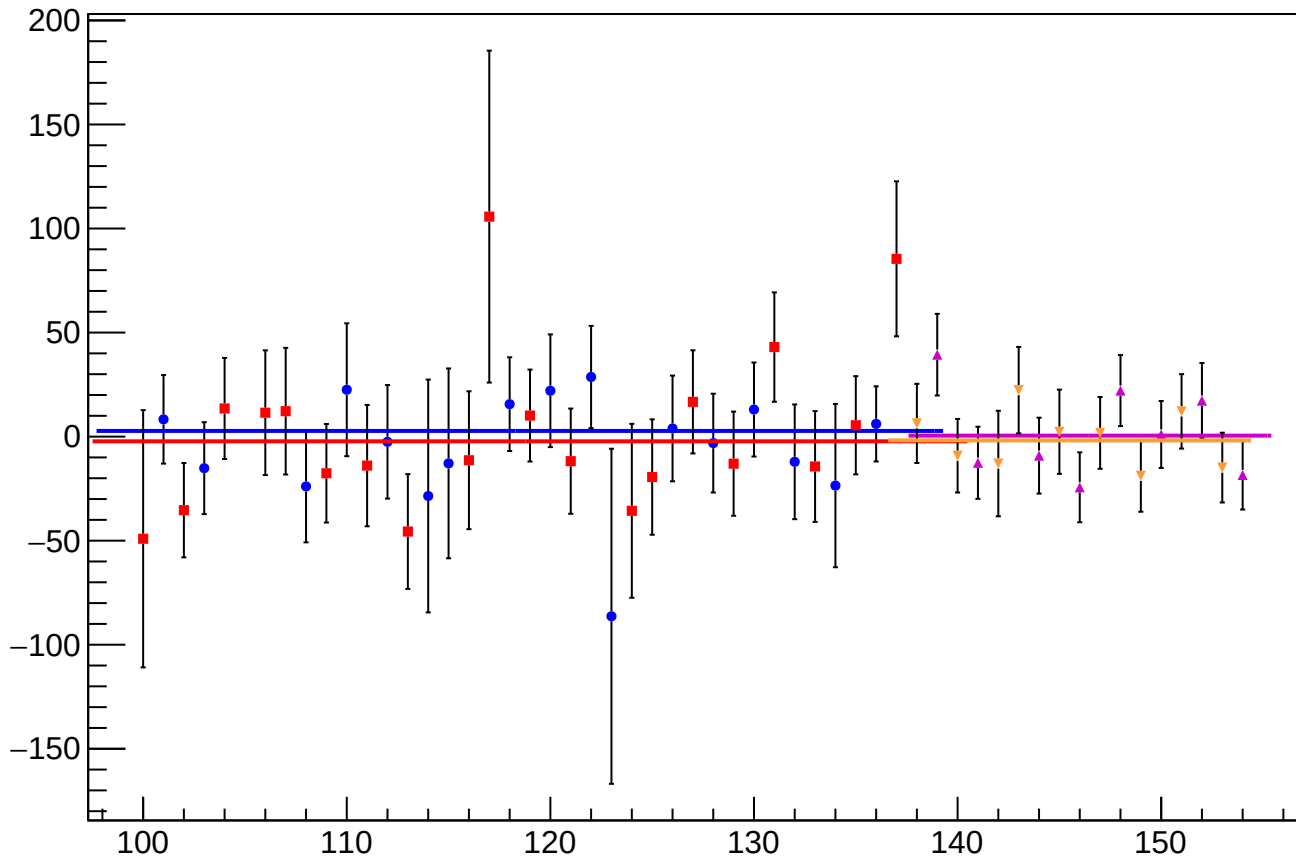
212.157+/-0.043 χ^2/NDF : 1987967.4/25

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

179.049+/-0.037 χ^2/NDF : 2727774.1/27

Left In: 188.239+/-0.057 χ^2/NDF : 1101108.9/7

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: -1.820 $\pm$ 6.240 χ^2 /NDF: 4.2/8

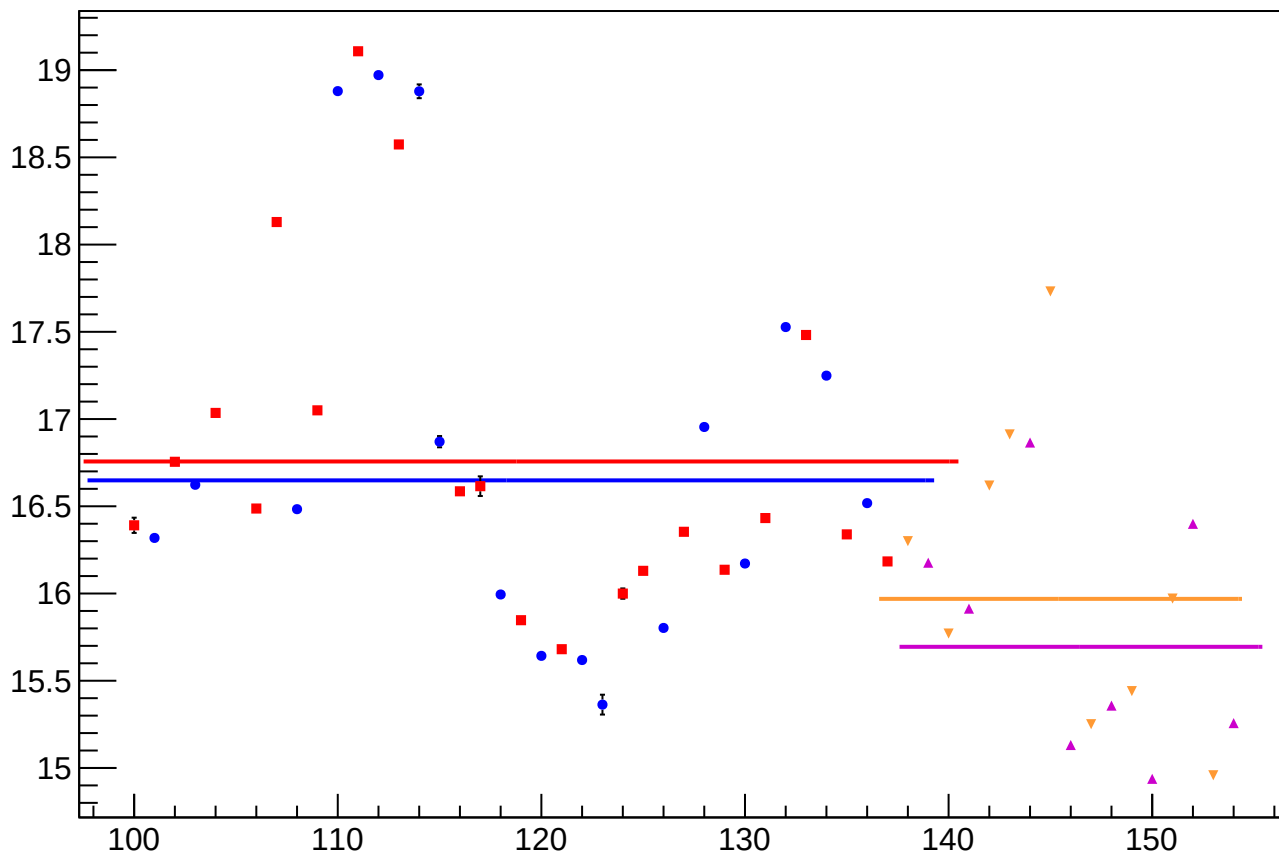
Right Out: -2.259 $\pm$ 6.259 χ^2 /NDF: 19.6/19

Left In: 0.473 $\pm$ 6.147 χ^2 /NDF: 10.7/7

0.390 $\pm$ 4.476 χ^2 /NDF: 11.2/25

-0.868 $\pm$ 4.386 χ^2 /NDF: 30.4/27

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



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

Left Out: 15.969 $\pm$ 0.004 χ^2/NDF : 34083.3/8

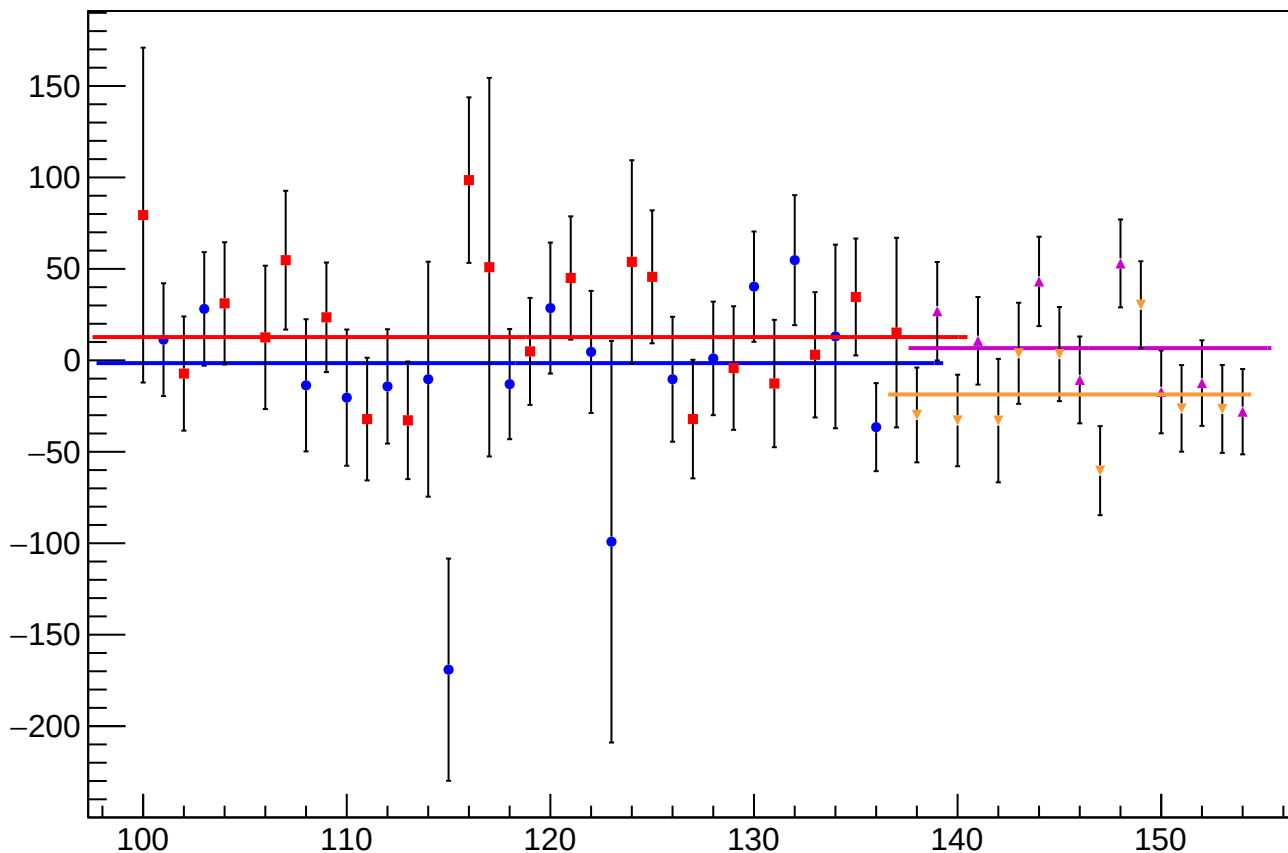
Right Out: 16.757 $\pm$ 0.004 χ^2/NDF : 39957.1/19

Left In: 15.694 $\pm$ 0.004 χ^2/NDF : 21656.6/7

16.299 $\pm$ 0.003 χ^2/NDF : 88153.6/25

16.216 $\pm$ 0.003 χ^2/NDF : 90938.5/27

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



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

Left Out: -18.652 ± 8.527 $\chi^2/\text{NDF}: 9.5/8$

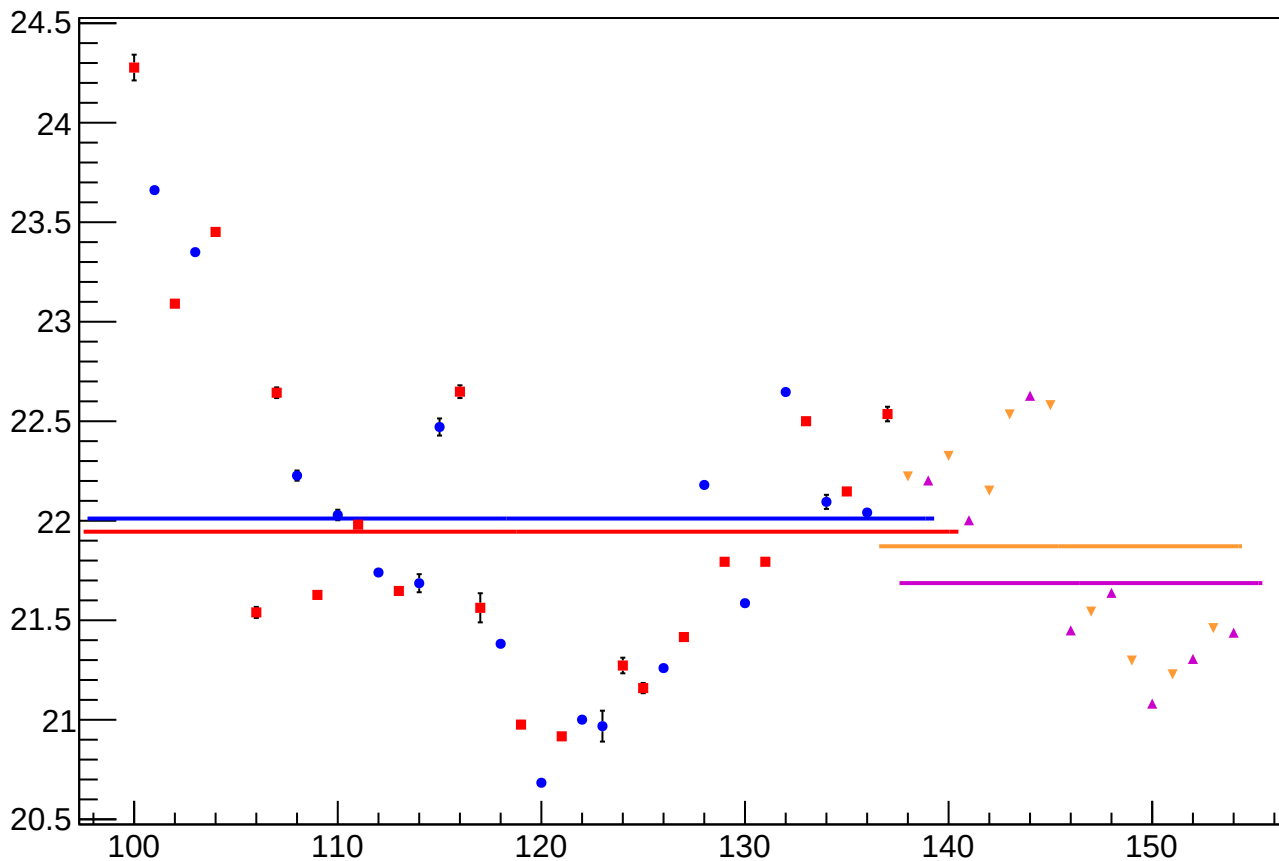
Right Out: 12.716 ± 8.185 $\chi^2/\text{NDF}: 15.7/19$

Left In: 6.677 ± 8.477 $\chi^2/\text{NDF}: 11.1/7$

-10.045 ± 6.015 $\chi^2/\text{NDF}: 29.1/25$

9.803 ± 5.888 $\chi^2/\text{NDF}: 27.1/27$

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



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

Left Out: 21.872 $\pm$ 0.006 χ^2 /NDF: 7421.1/8

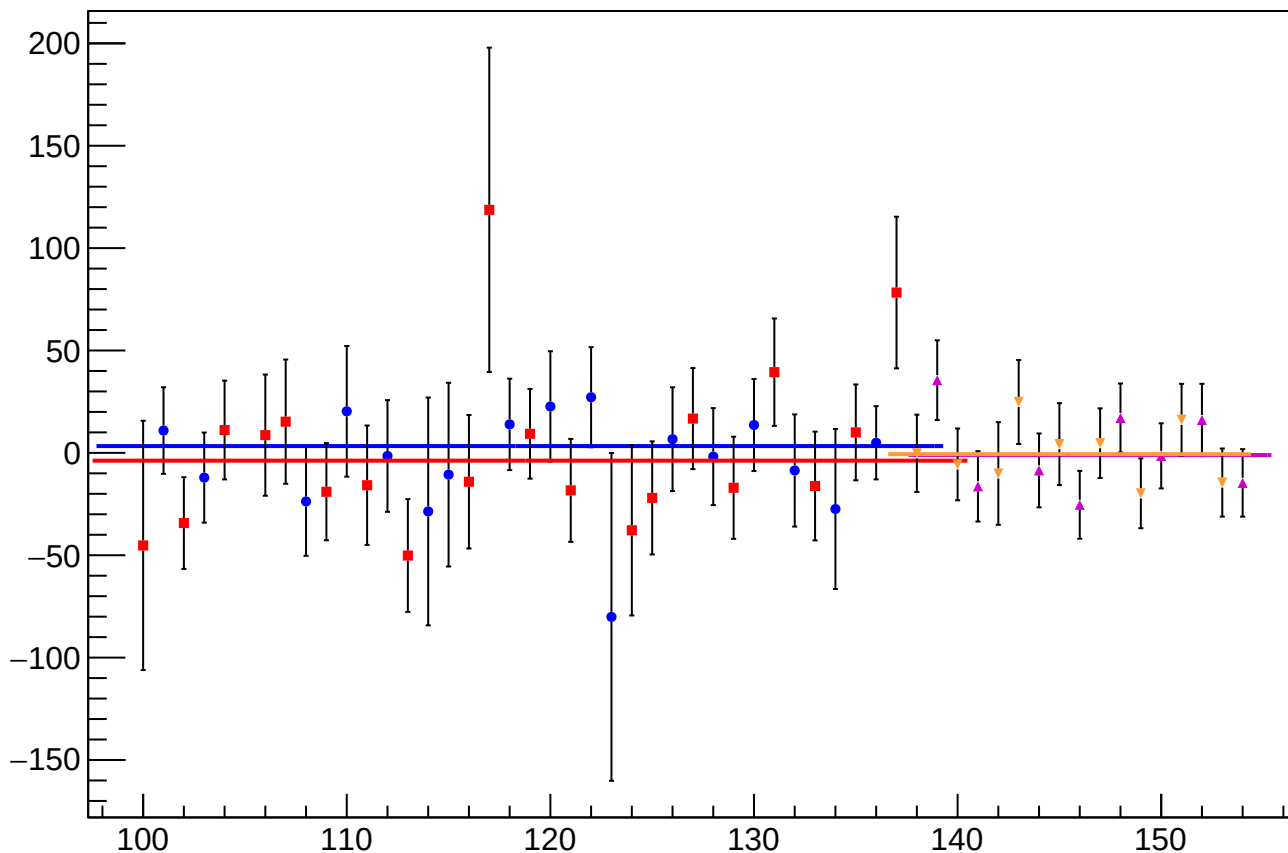
Right Out: 21.945 $\pm$ 0.006 χ^2 /NDF: 16620.2/19

Left In: 21.687 $\pm$ 0.006 χ^2 /NDF: 6444.2/7

21.942 $\pm$ 0.004 χ^2 /NDF: 25236.3/25

21.821 $\pm$ 0.004 χ^2 /NDF: 24024.6/27

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: -0.628 $\pm$ 6.167 χ^2 /NDF: 4.8/8

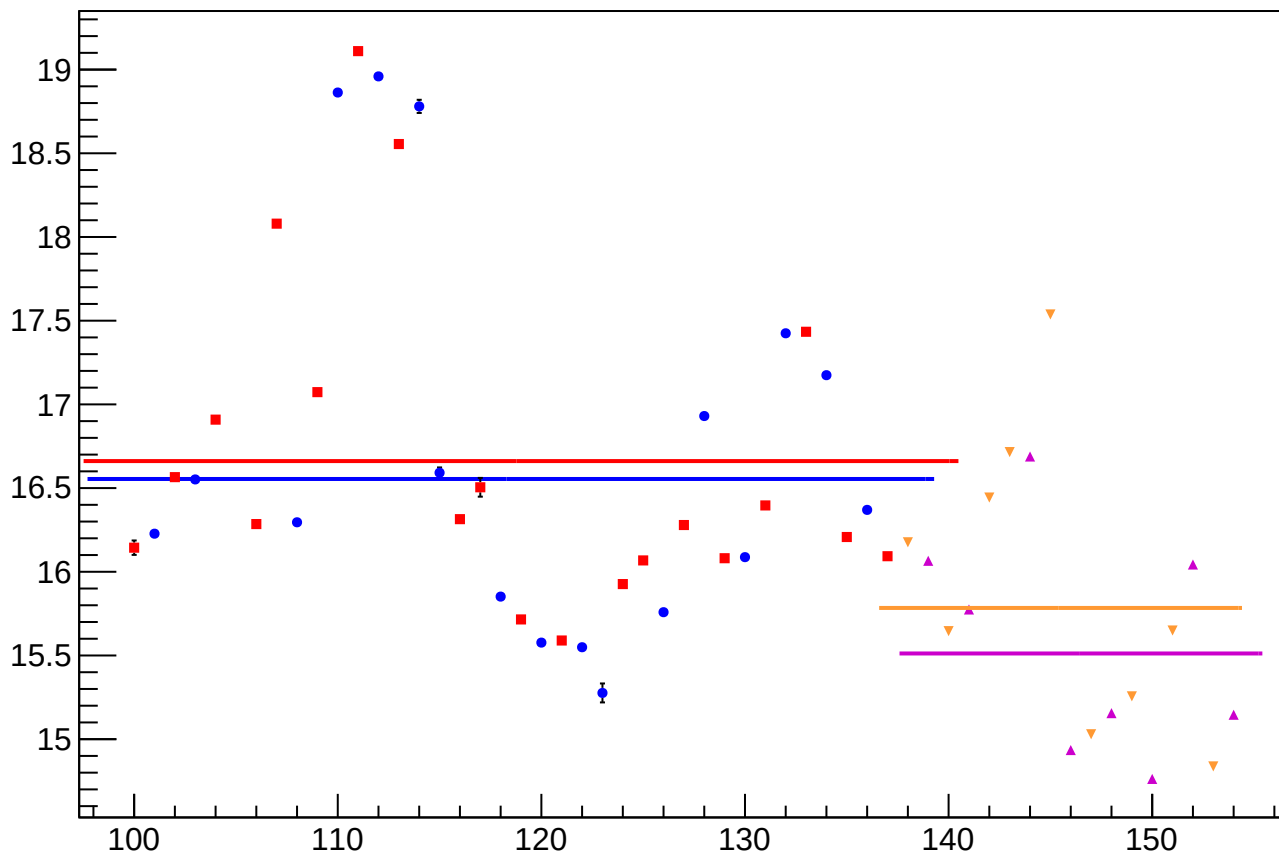
Right Out: -3.800 $\pm$ 6.224 χ^2 /NDF: 20.1/19

Left In: -1.070 $\pm$ 6.075 χ^2 /NDF: 9.4/7

1.275 $\pm$ 4.437 χ^2 /NDF: 11.3/25

-2.402 $\pm$ 4.347 χ^2 /NDF: 29.6/27

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



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

Left Out: 15.784+/-0.004 χ^2/NDF : 34298.1/8

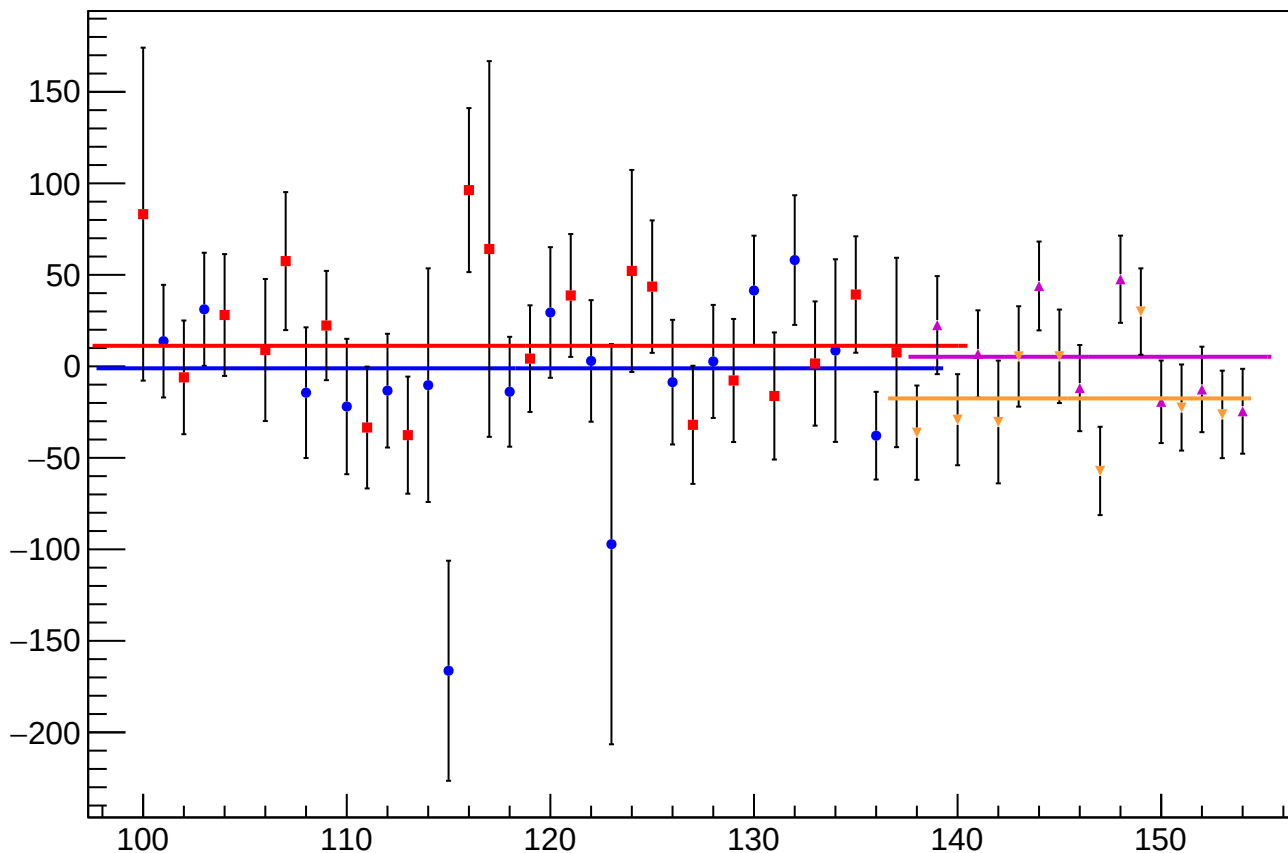
Right Out: 16.661+/-0.004 χ^2/NDF : 43071.4/19

Left In: 15.512+/-0.004 χ^2/NDF : 21152.9/7

16.156+/-0.003 χ^2/NDF : 93827.5/25

16.073+/-0.003 χ^2/NDF : 99148.7/27

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.068 ± 8.444 $\chi^2/\text{NDF}: 18.5/16$

Left Out: -17.525 ± 8.470 $\chi^2/\text{NDF}: 9.3/8$

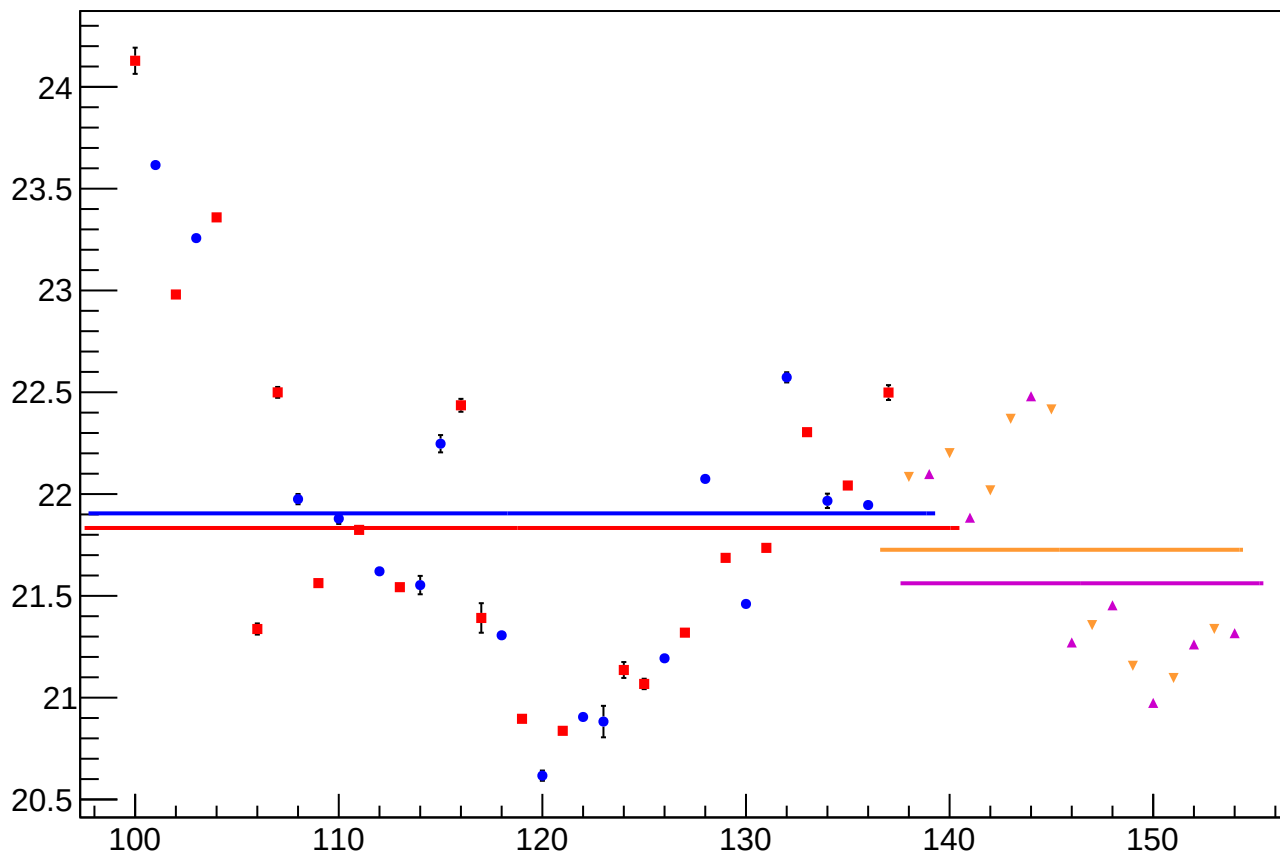
Right Out: 11.235 ± 8.143 $\chi^2/\text{NDF}: 16.5/19$

Left In: 5.226 ± 8.428 $\chi^2/\text{NDF}: 10.1/7$

-9.271 ± 5.980 $\chi^2/\text{NDF}: 29.7/25$

8.334 ± 5.856 $\chi^2/\text{NDF}: 26.8/27$

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: 21.726 ± 0.006 χ^2/NDF : 7417.6/8

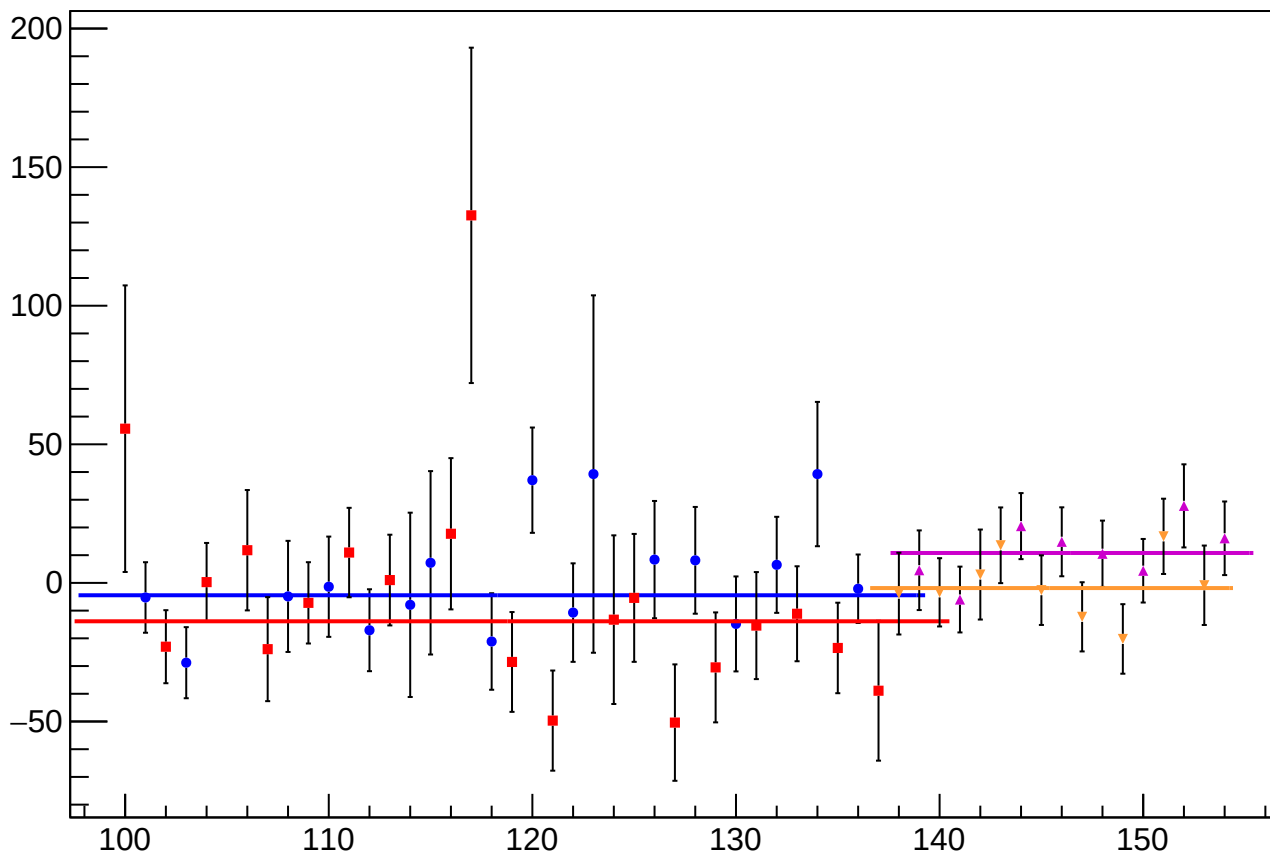
Right Out: 21.833 ± 0.006 χ^2/NDF : 16288.5/19

Left In: 21.562 ± 0.006 χ^2/NDF : 6290.2/7

21.816 ± 0.004 χ^2/NDF : 25658.7/25

21.702 ± 0.004 χ^2/NDF : 23653.4/27

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



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

Left Out: -1.865 ± 4.483 $\chi^2/\text{NDF}: 6.1/8$

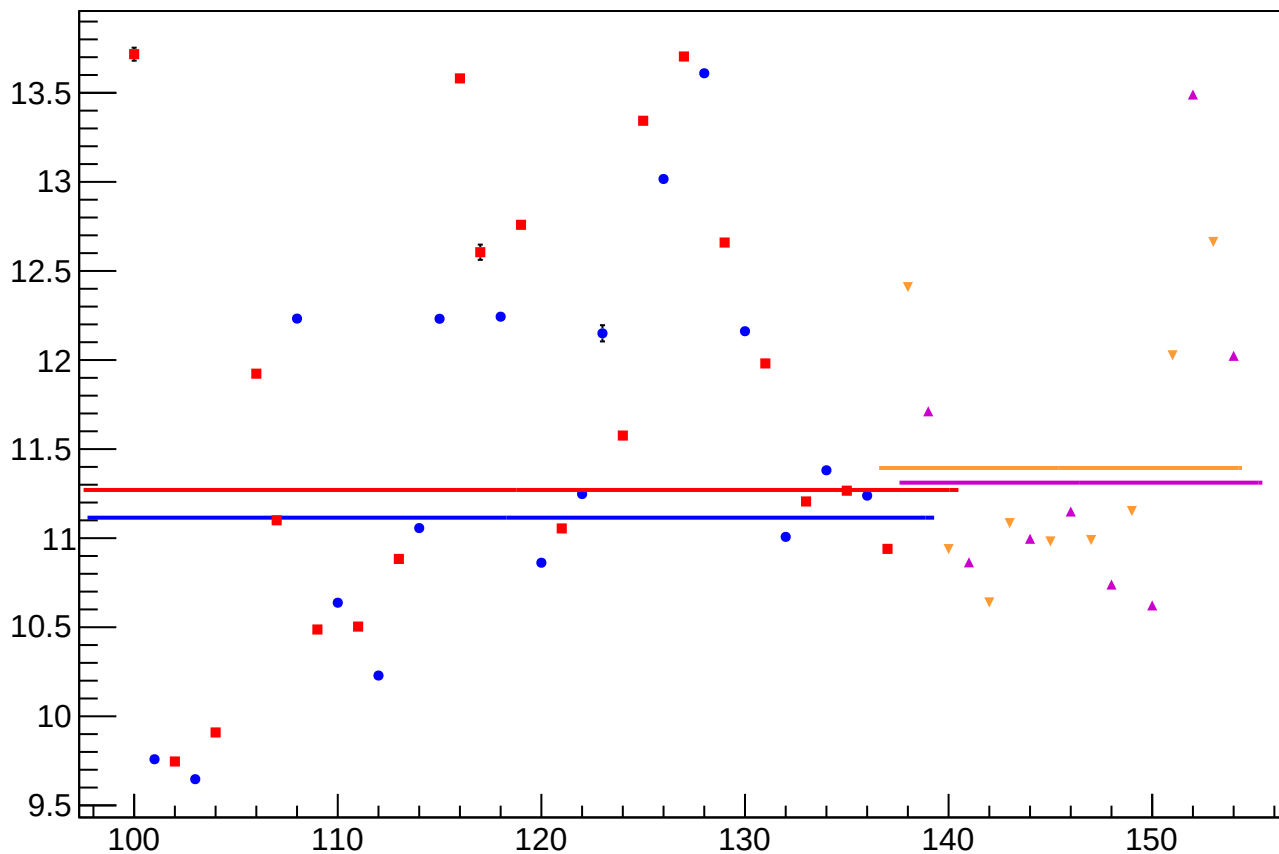
Right Out: -13.851 ± 4.253 $\chi^2/\text{NDF}: 25.4/19$

Left In: 10.794 ± 4.465 $\chi^2/\text{NDF}: 4.7/7$

-3.208 ± 3.114 $\chi^2/\text{NDF}: 21.5/25$

-2.126 ± 3.080 $\chi^2/\text{NDF}: 46.1/27$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.115 $\pm$ 0.003 χ^2 /NDF: 133059.3/16

Left Out: 11.394 $\pm$ 0.003 χ^2 /NDF: 42579.0/8

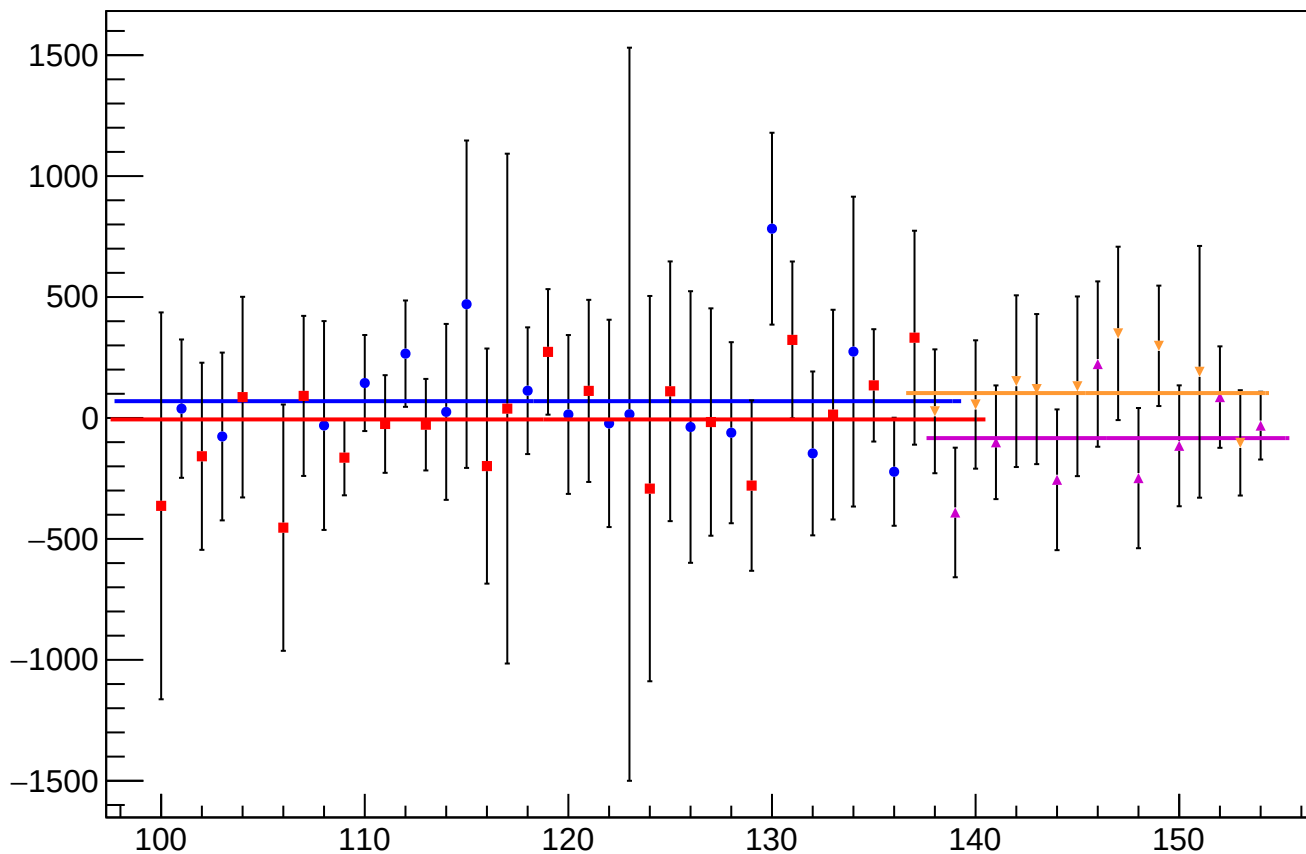
Right Out: 11.271 $\pm$ 0.003 χ^2 /NDF: 148461.6/19

Left In: 11.312 $\pm$ 0.003 χ^2 /NDF: 65915.5/7

11.250 $\pm$ 0.002 χ^2 /NDF: 179646.9/25

11.290 $\pm$ 0.002 χ^2 /NDF: 214465.6/27

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 69.470 $\pm$ 79.231 χ^2/NDF : 7.3/16

Left Out: 102.964 $\pm$ 98.183 χ^2/NDF : 2.2/8

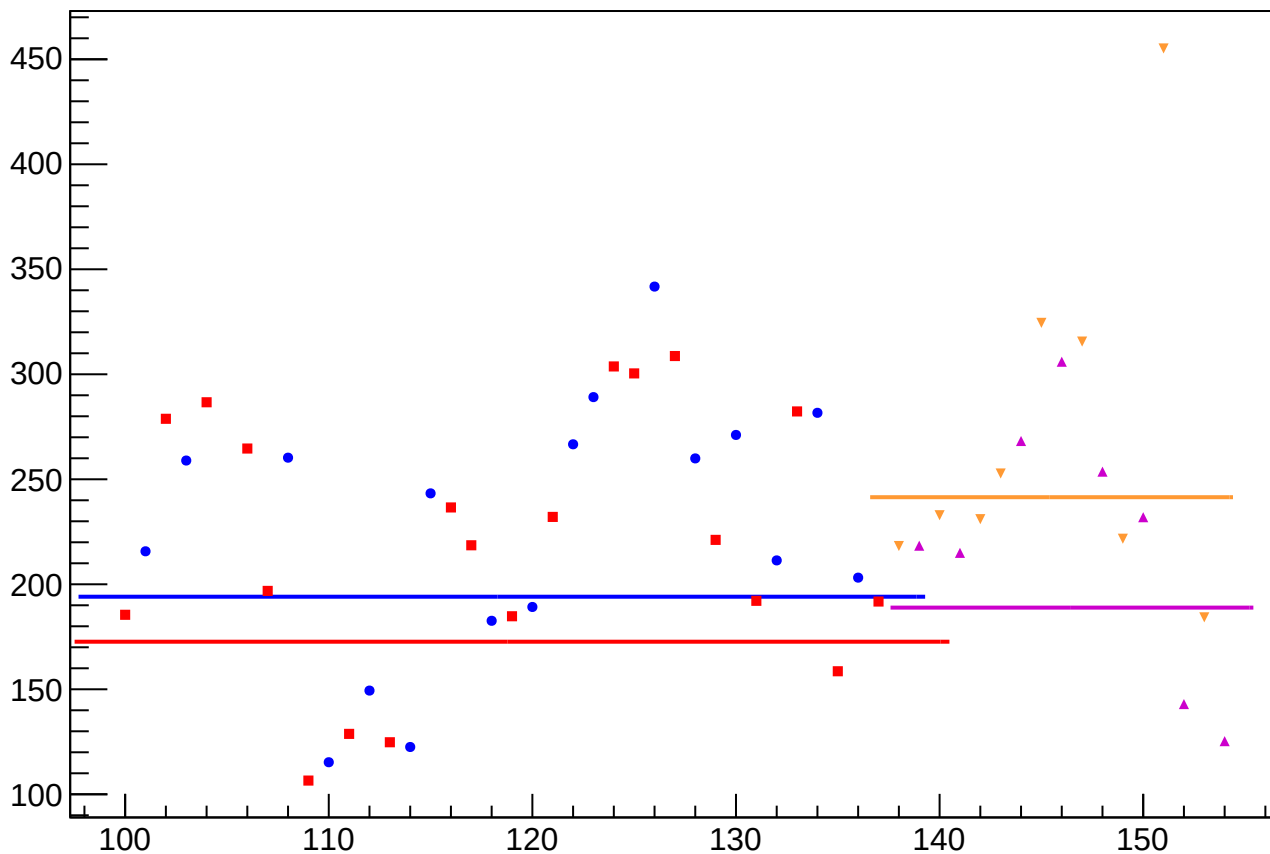
Right Out: -5.996 $\pm$ 70.027 χ^2/NDF : 6.5/19

Left In: -83.274 $\pm$ 80.590 χ^2/NDF : 3.6/7

82.680 $\pm$ 61.659 χ^2/NDF : 9.5/25

-39.242 $\pm$ 52.859 χ^2/NDF : 10.6/27

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: 241.467 $\pm$ 0.069 χ^2 /NDF: 696289.4/8

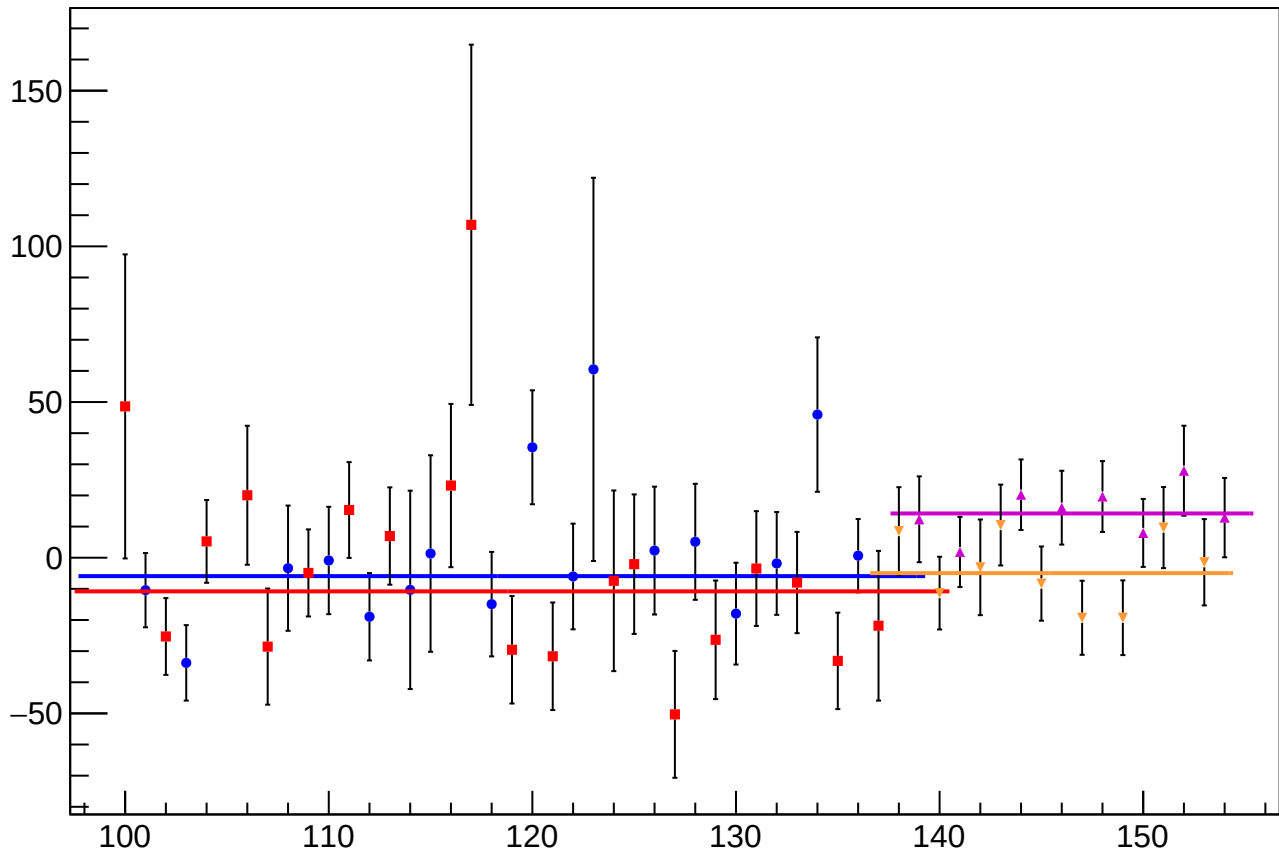
Right Out: 172.655 $\pm$ 0.050 χ^2 /NDF: 1573277.0/19

Left In: 188.892 $\pm$ 0.057 χ^2 /NDF: 1099165.8/7

212.770 $\pm$ 0.044 χ^2 /NDF: 1983810.9/25

179.641 $\pm$ 0.037 χ^2 /NDF: 2718698.5/27

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.912 $\pm$ 4.133 χ^2 /NDF: 18.8/16

-5.448 $\pm$ 2.972 χ^2 /NDF: 25.8/25

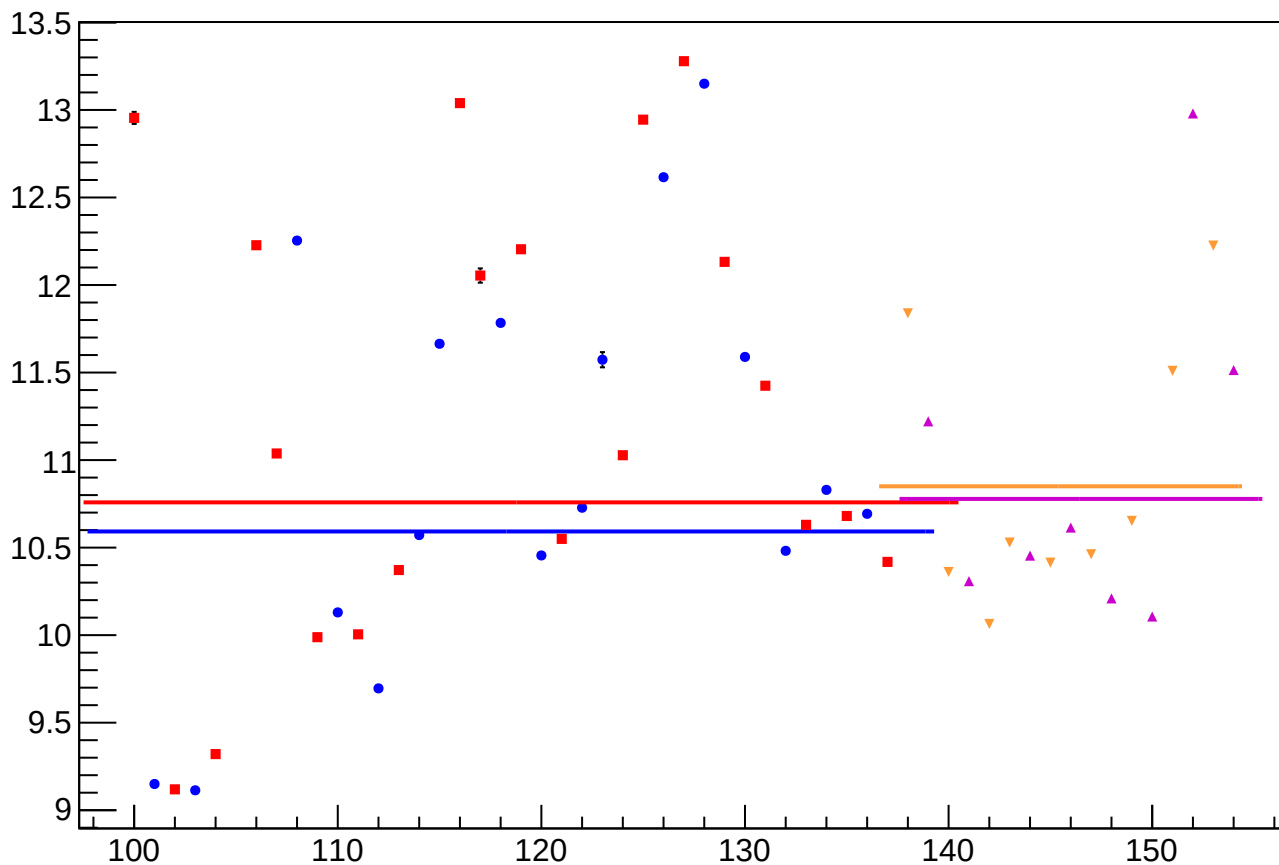
Left Out: -4.950 $\pm$ 4.276 χ^2 /NDF: 6.9/8

1.124 $\pm$ 2.943 χ^2 /NDF: 48.1/27

Right Out: -10.806 $\pm$ 4.068 χ^2 /NDF: 27.0/19

Left In: 14.211 $\pm$ 4.261 χ^2 /NDF: 3.0/7

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.592 ± 0.003 χ^2/NDF : 160397.9/16

Left Out: 10.850 ± 0.003 χ^2/NDF : 49964.6/8

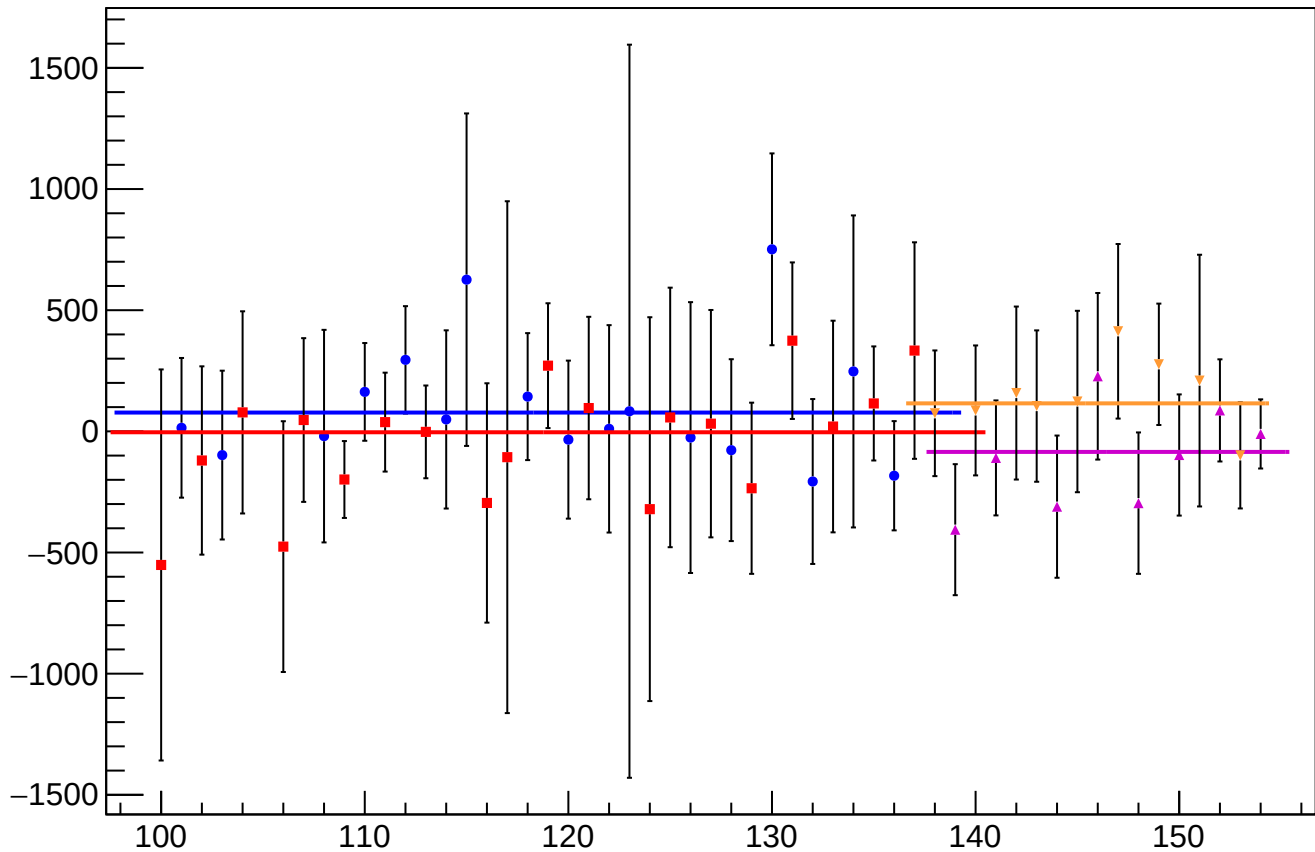
Right Out: 10.758 ± 0.003 χ^2/NDF : 177903.3/19

Left In: 10.778 ± 0.003 χ^2/NDF : 73193.1/7

10.717 ± 0.002 χ^2/NDF : 214126.3/25

10.768 ± 0.002 χ^2/NDF : 251118.9/27

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 77.589+/-79.751 χ^2/NDF : 7.6/16

Left Out: 115.534+/-98.925 χ^2/NDF : 2.1/8

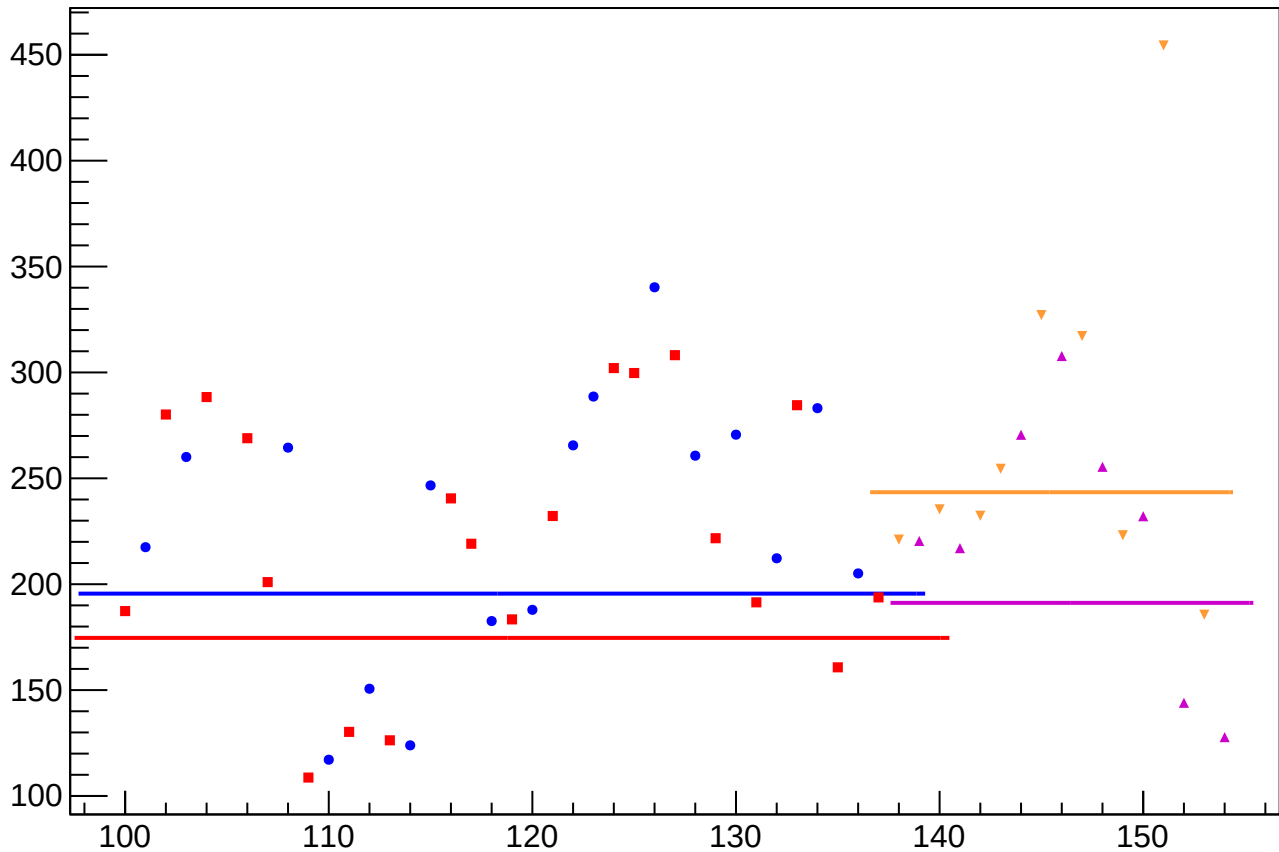
Right Out: -3.768+/-70.696 χ^2/NDF : 7.4/19

Left In: -84.835+/-81.411 χ^2/NDF : 4.3/7

92.536+/-62.087 χ^2/NDF : 9.8/25

-38.619+/-53.379 χ^2/NDF : 12.2/27

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: 243.439+/-0.070 χ^2/NDF : 687310.8/8

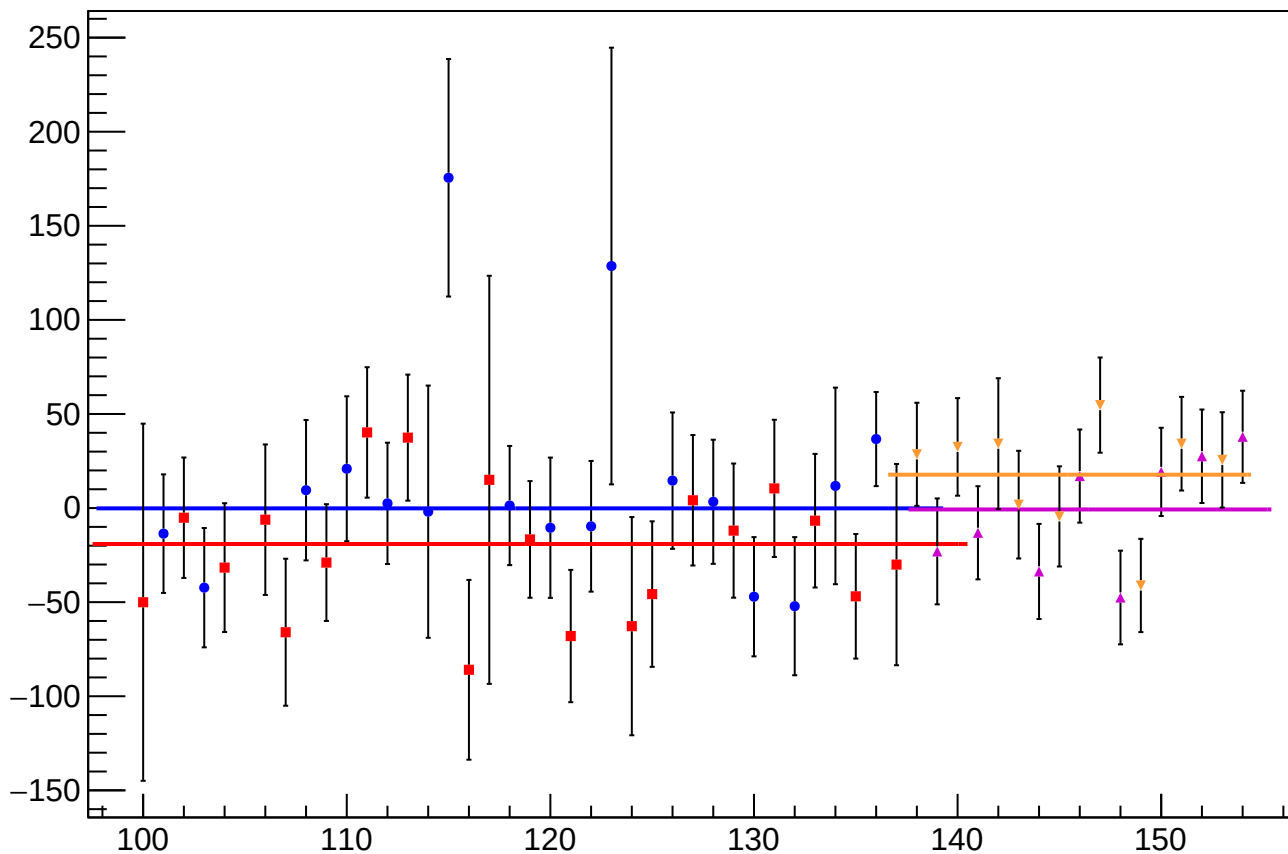
214.415+/-0.044 χ^2/NDF : 1951314.3/25

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

181.759+/-0.038 χ^2/NDF : 2648183.2/27

Left In: 191.188+/-0.058 χ^2/NDF : 1068936.9/7

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -0.158 $\pm$ 8.826 χ^2/NDF : 18.1/16

Left Out: 17.740 $\pm$ 8.893 χ^2/NDF : 10.0/8

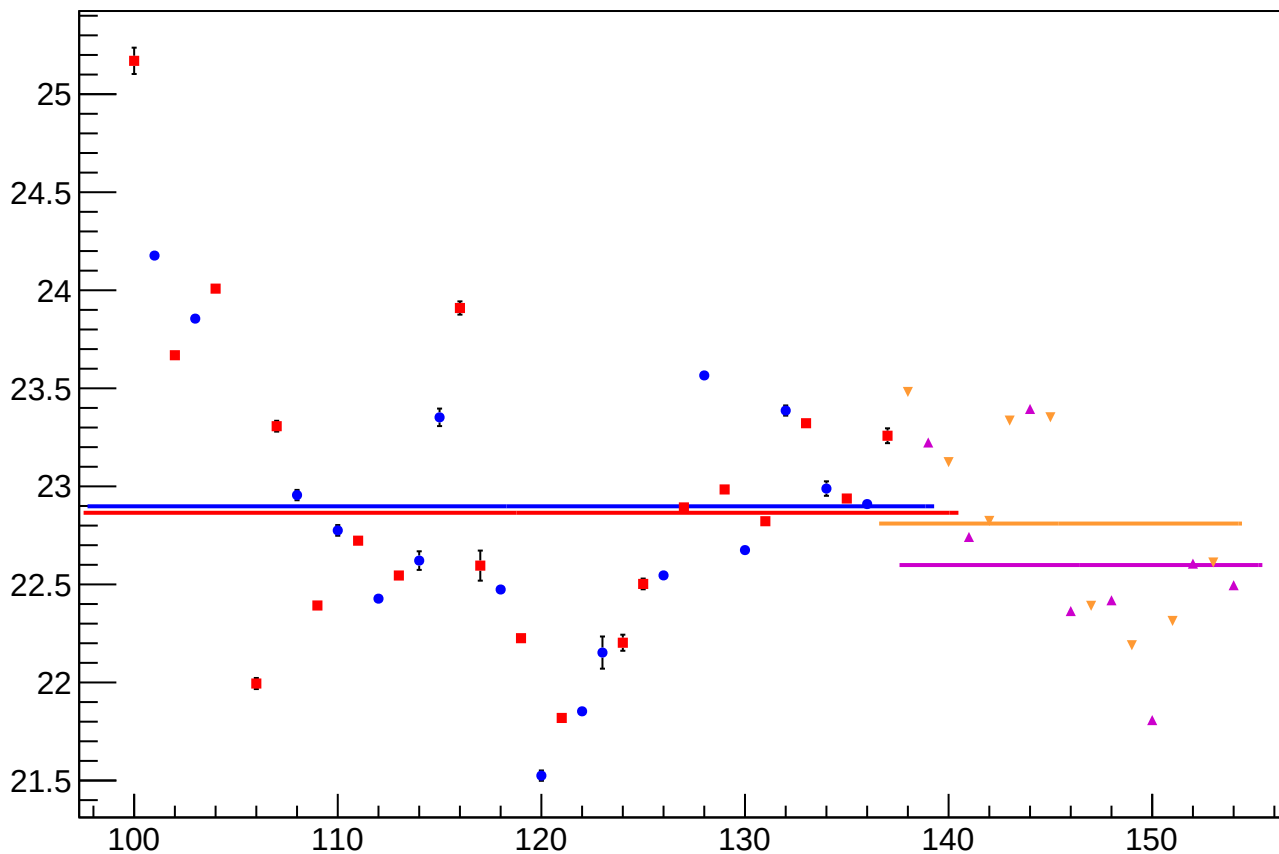
Right Out: -19.104 $\pm$ 8.527 χ^2/NDF : 14.9/19

Left In: -0.735 $\pm$ 8.834 χ^2/NDF : 11.1/7

8.723 $\pm$ 6.265 χ^2/NDF : 30.1/25

-10.244 $\pm$ 6.135 χ^2/NDF : 28.3/27

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: 22.810 $\pm$ 0.006 χ^2 /NDF: 5718.2/8

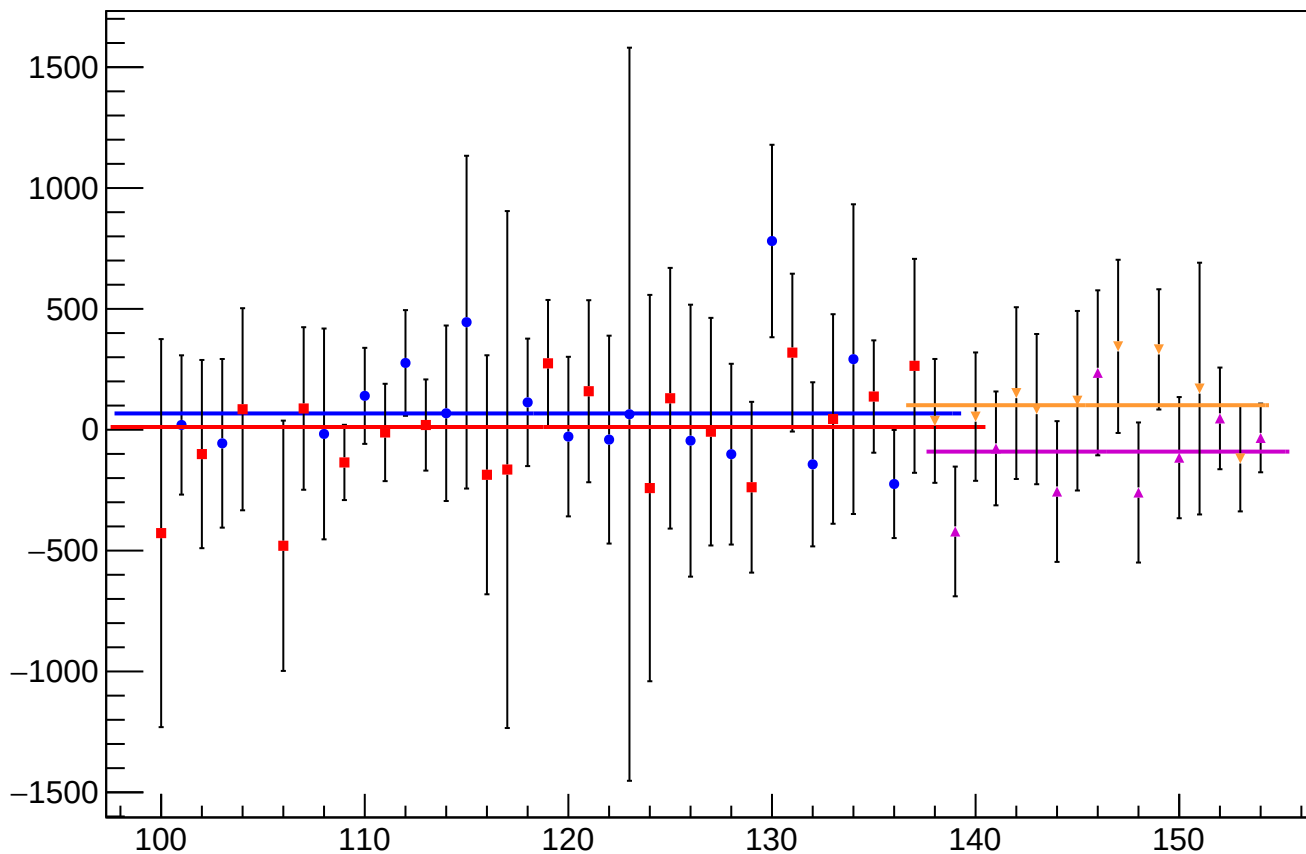
Right Out: 22.865 $\pm$ 0.006 χ^2 /NDF: 11060.8/19

Left In: 22.599 $\pm$ 0.006 χ^2 /NDF: 5631.5/7

22.855 $\pm$ 0.004 χ^2 /NDF: 17960.0/25

22.737 $\pm$ 0.004 χ^2 /NDF: 17634.7/27

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.449 $\pm$ 79.404 χ^2 /NDF: 7.4/16

Left Out: 101.508 $\pm$ 98.342 χ^2 /NDF: 2.5/8

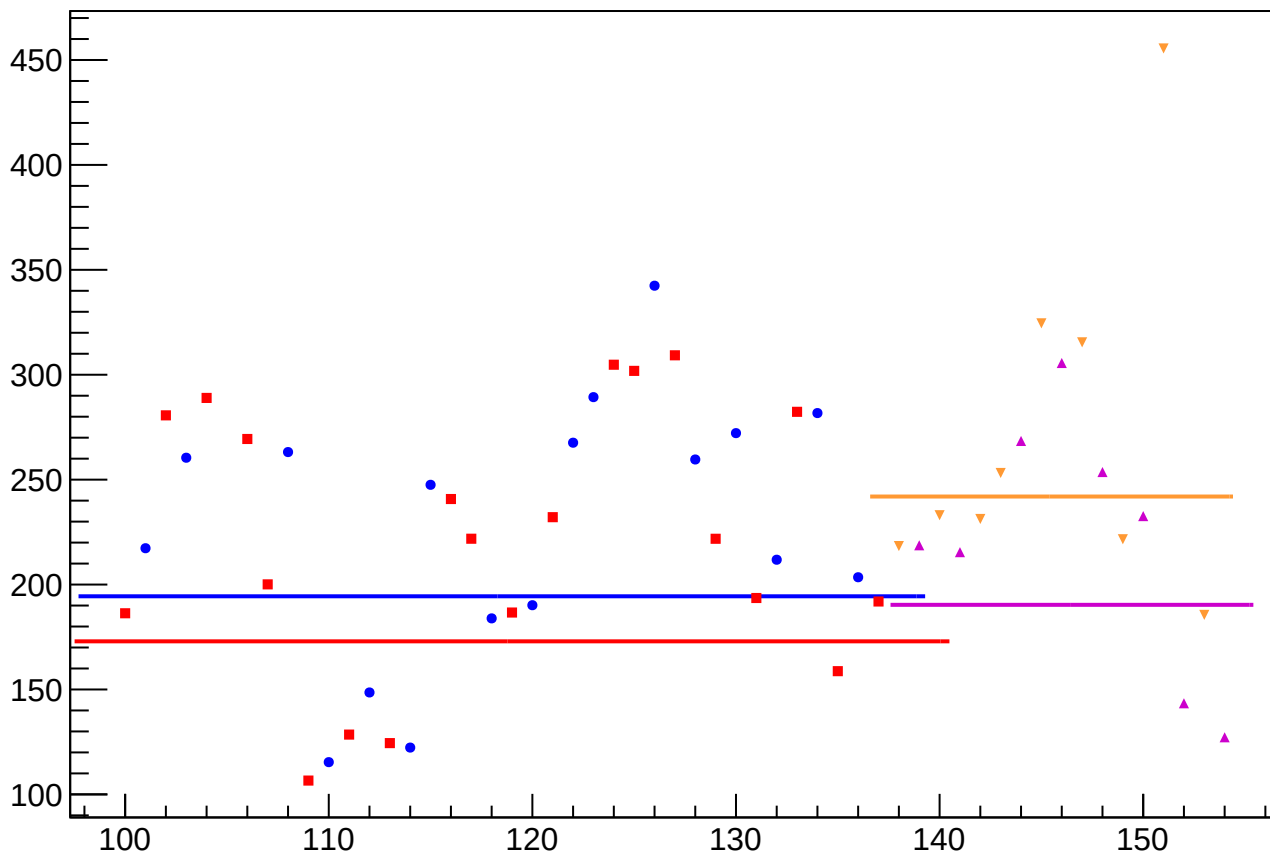
Right Out: 11.355 $\pm$ 70.203 χ^2 /NDF: 5.8/19

Left In: -90.486 $\pm$ 81.059 χ^2 /NDF: 3.7/7

80.890 $\pm$ 61.780 χ^2 /NDF: 9.9/25

-32.294 $\pm$ 53.067 χ^2 /NDF: 10.4/27

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: 241.956+/-0.070 χ^2/NDF :688794.7/8

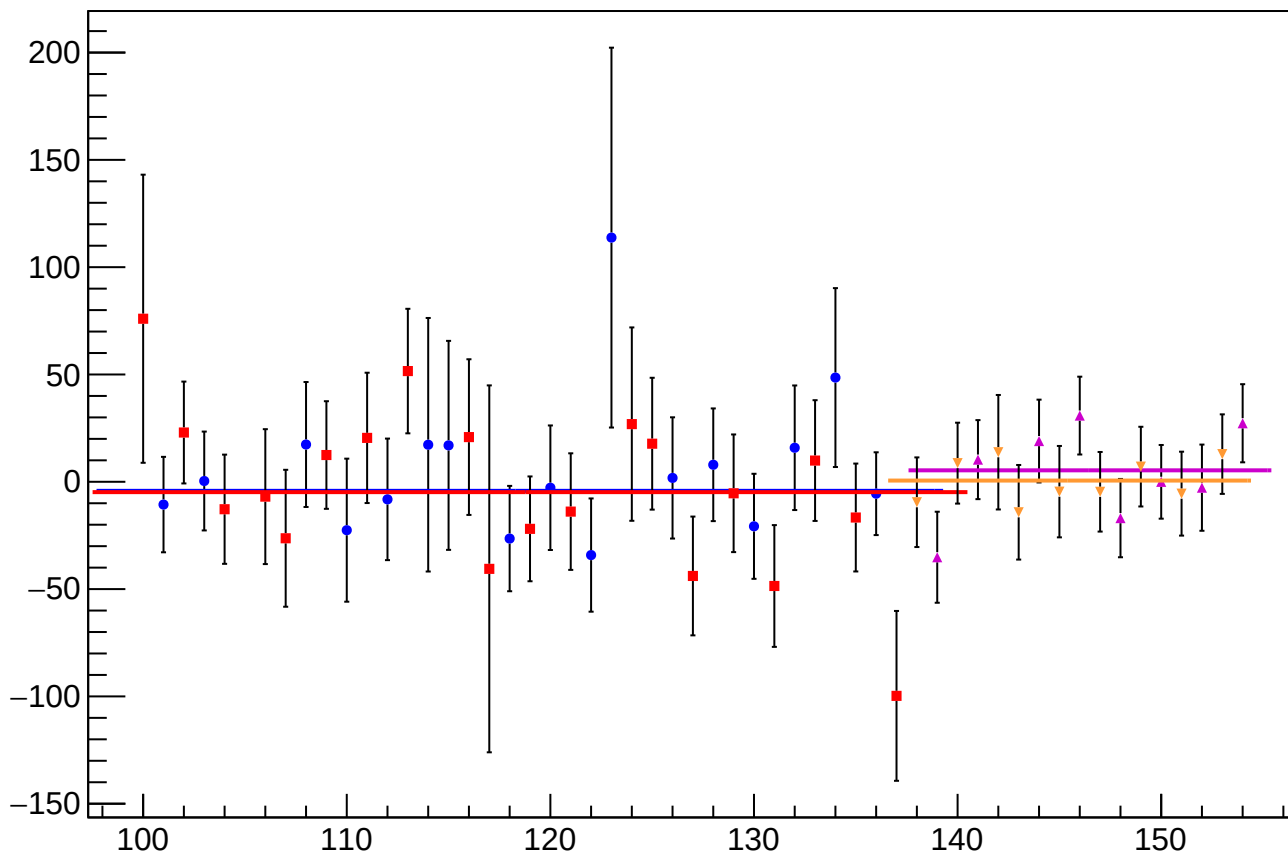
213.175+/-0.044 χ^2/NDF : 1991703.8/25

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

180.398+/-0.038 χ^2/NDF : 2716649.5/27

Left In: 190.338+/-0.057 χ^2/NDF :1063055.3/7

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



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

Left Out: 0.571 ± 6.724 χ^2/NDF : 1.9/8

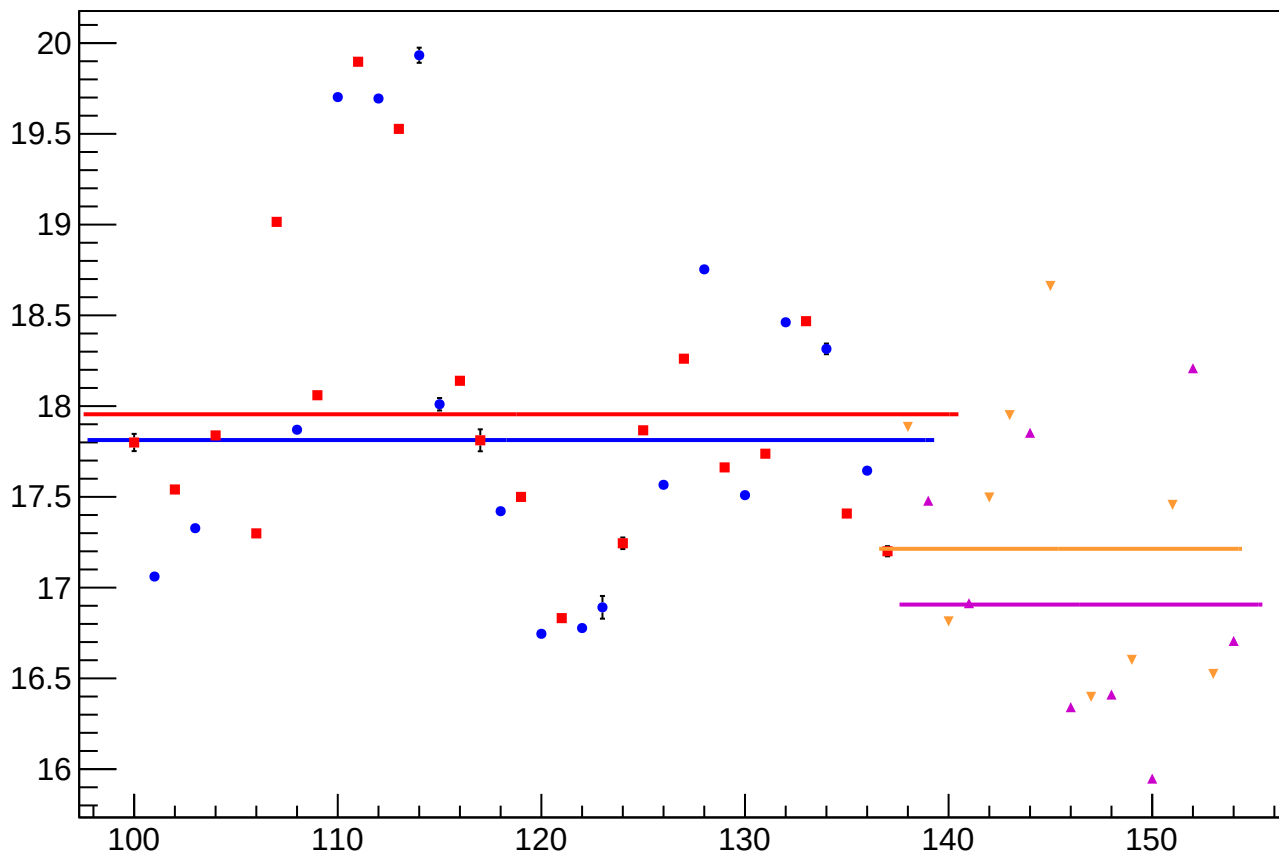
Right Out: -4.820 ± 6.704 χ^2/NDF : 21.3/19

Left In: 5.339 ± 6.623 χ^2/NDF : 9.4/7

-1.774 ± 4.806 χ^2/NDF : 10.2/25

0.321 ± 4.712 χ^2/NDF : 31.8/27

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: 17.214 ± 0.005 χ^2/NDF : 23792.3/8

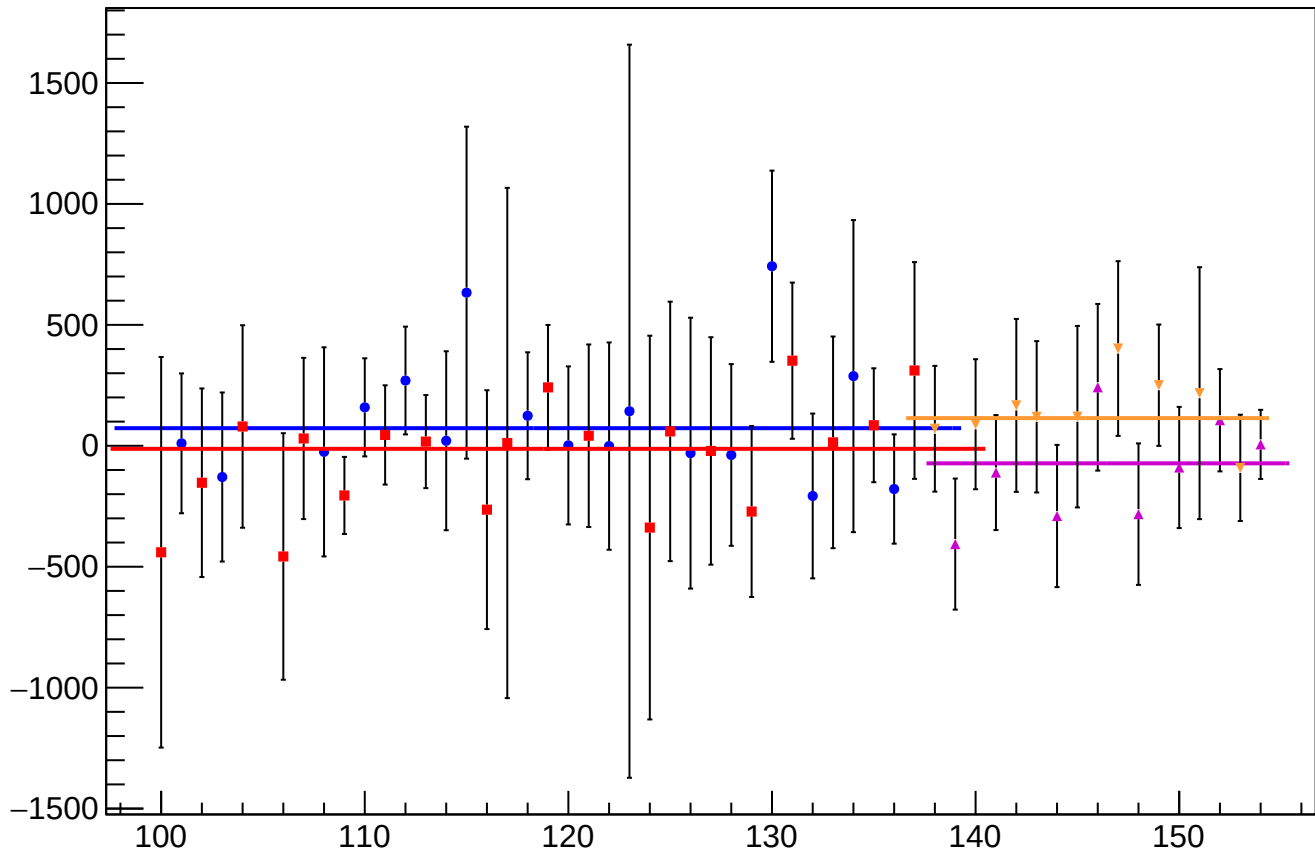
Right Out: 17.955 ± 0.005 χ^2/NDF : 25451.0/19

Left In: 16.907 ± 0.005 χ^2/NDF : 24579.0/7

17.507 ± 0.003 χ^2/NDF : 63593.3/25

17.424 ± 0.003 χ^2/NDF : 74780.7/27

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 72.888 $\pm$ 79.948 χ^2/NDF : 7.2/16

Left Out: 114.445 $\pm$ 99.148 χ^2/NDF : 1.9/8

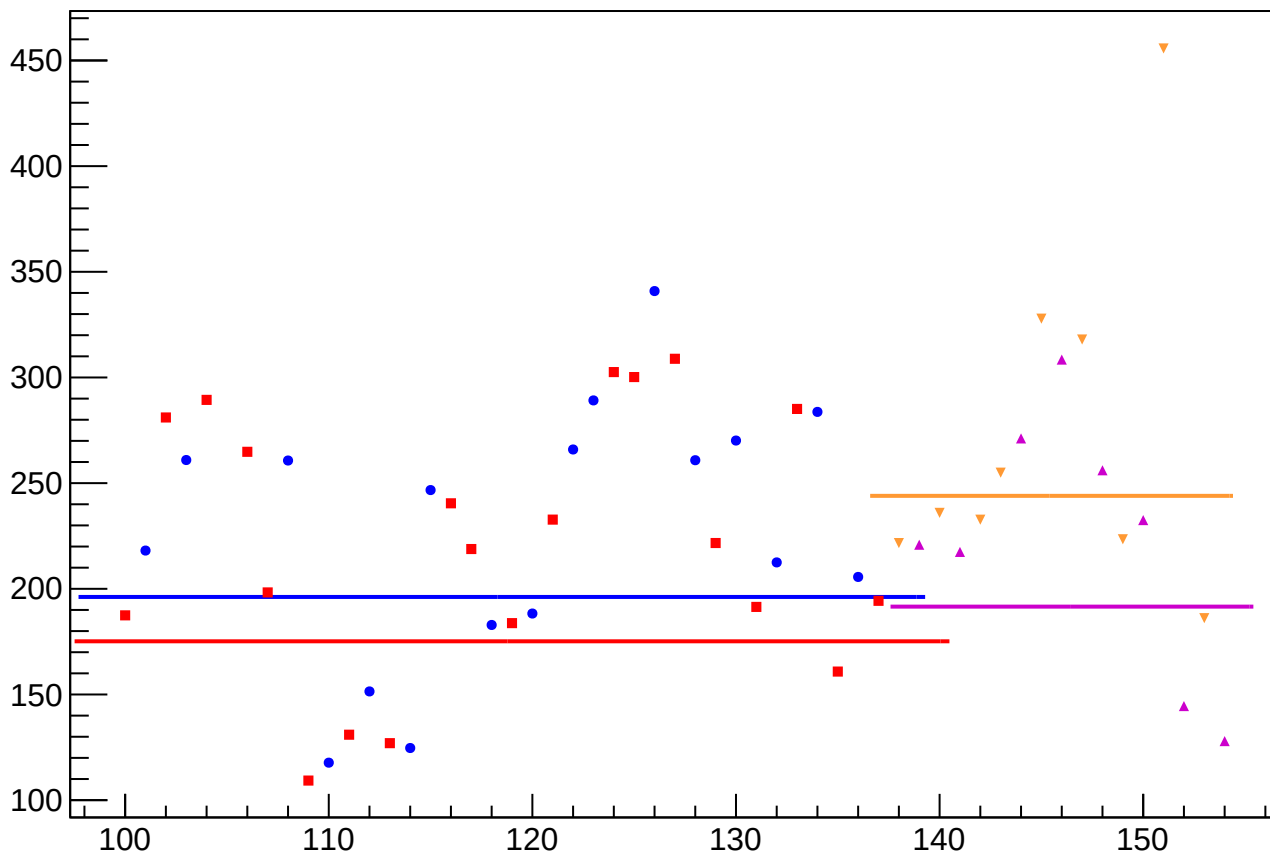
Right Out: -12.456 $\pm$ 70.853 χ^2/NDF : 6.7/19

Left In: -72.504 $\pm$ 81.579 χ^2/NDF : 4.5/7

89.262 $\pm$ 62.236 χ^2/NDF : 9.2/25

-38.275 $\pm$ 53.494 χ^2/NDF : 11.5/27

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.151+/-0.057 χ^2/NDF : 964998.4/16

Left Out: 243.990+/-0.070 χ^2/NDF : 687385.2/8

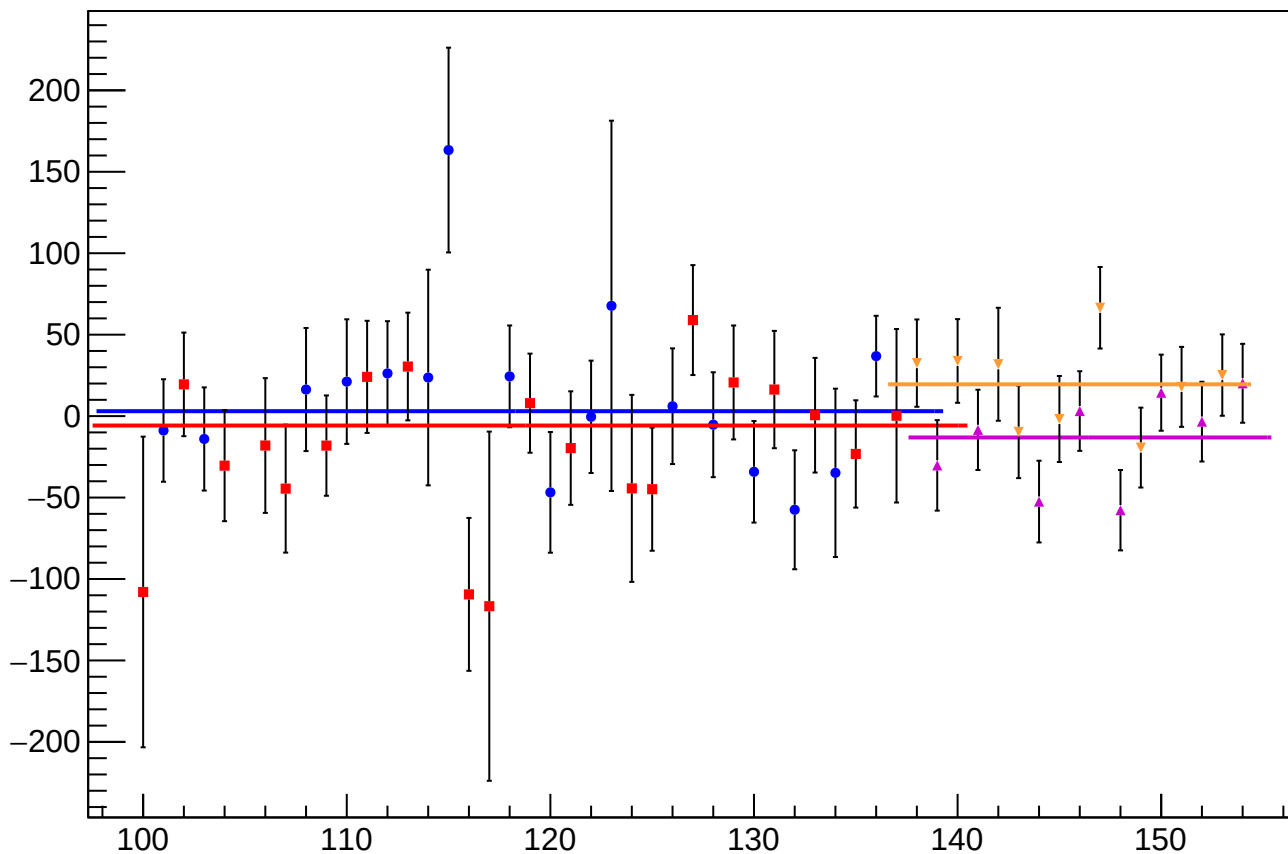
215.000+/-0.044 χ^2/NDF : 1934539.1/25

Right Out: 175.163+/-0.050 χ^2/NDF : 1514398.4/19

182.218+/-0.038 χ^2/NDF : 2630659.6/27

Left In: 191.572+/-0.058 χ^2/NDF : 1070134.7/7

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.022 ± 8.751 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 19.536 ± 8.793 $\chi^2/\text{NDF}: 8.5/8$

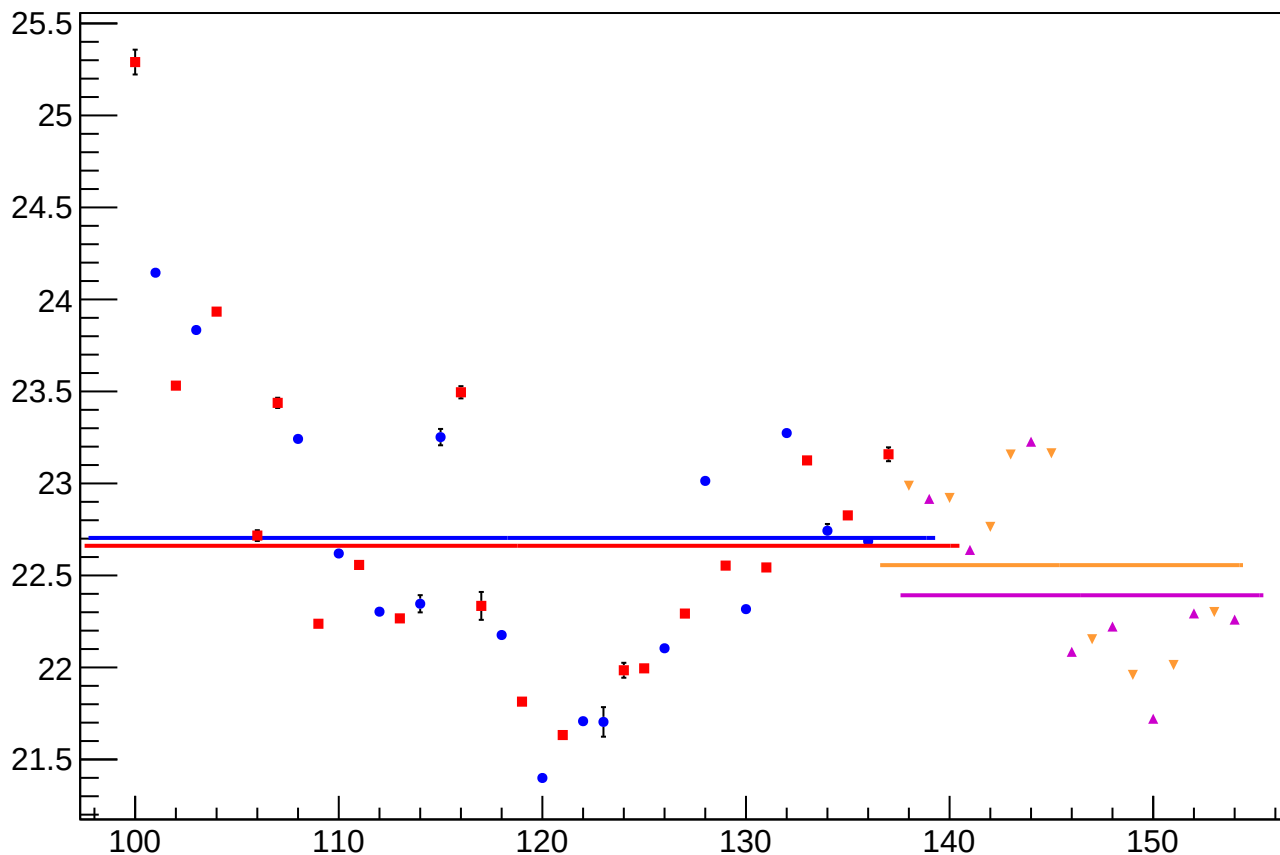
Right Out: -5.786 ± 8.451 $\chi^2/\text{NDF}: 18.3/19$

Left In: -13.108 ± 8.752 $\chi^2/\text{NDF}: 10.0/7$

11.240 ± 6.203 $\chi^2/\text{NDF}: 27.4/25$

-9.319 ± 6.079 $\chi^2/\text{NDF}: 28.6/27$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.704 ± 0.006 $\chi^2/\text{NDF}: 14105.8/16$

Left Out: 22.556 ± 0.006 $\chi^2/\text{NDF}: 5836.2/8$

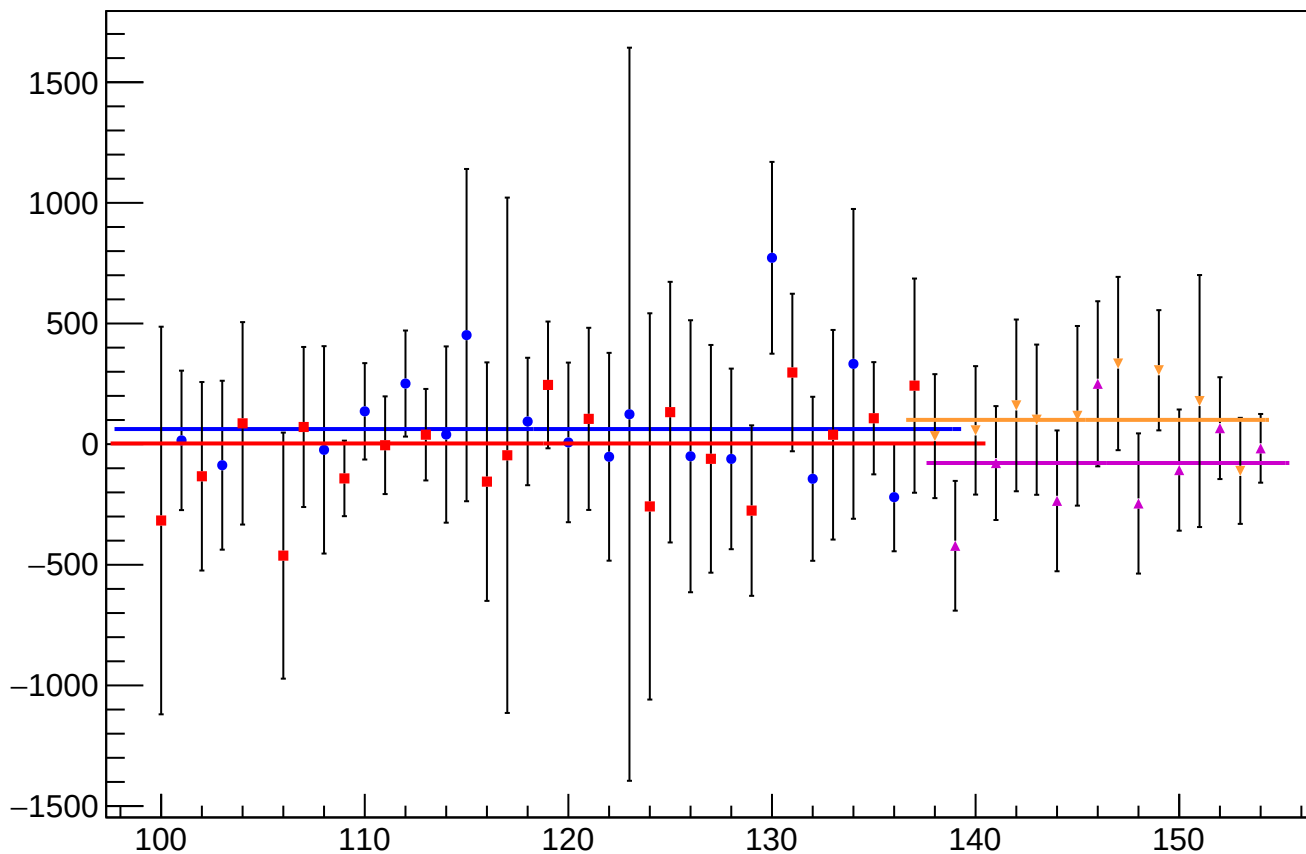
Right Out: 22.661 ± 0.006 $\chi^2/\text{NDF}: 12962.1/19$

Left In: 22.392 ± 0.006 $\chi^2/\text{NDF}: 5279.9/7$

22.630 ± 0.004 $\chi^2/\text{NDF}: 20226.3/25$

22.531 ± 0.004 $\chi^2/\text{NDF}: 19219.1/27$

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 62.573 $\pm$ 79.605 χ^2/NDF : 7.0/16

Left Out: 100.575 $\pm$ 98.564 χ^2/NDF : 2.2/8

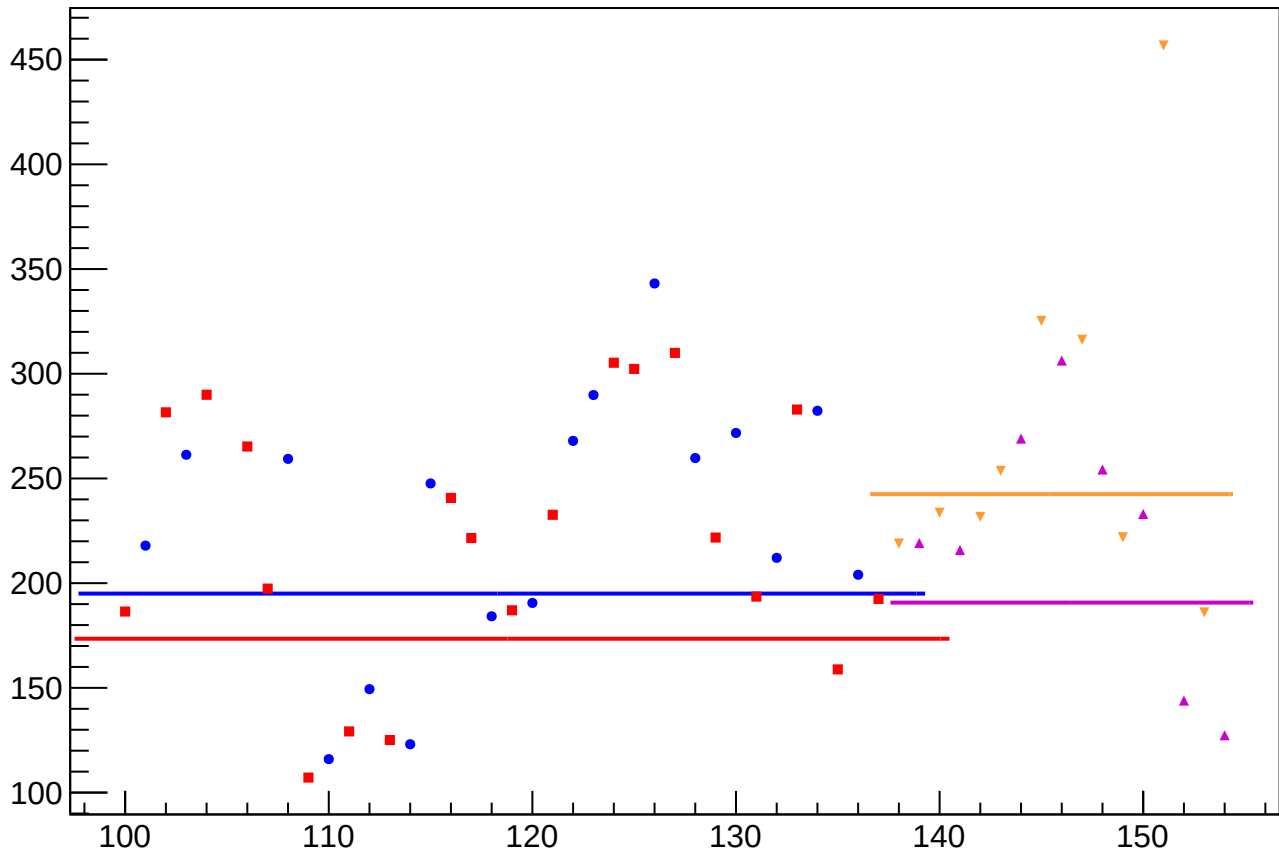
Right Out: 2.824 $\pm$ 70.364 χ^2/NDF : 5.2/19

Left In: -78.140 $\pm$ 81.228 χ^2/NDF : 3.8/7

77.576 $\pm$ 61.929 χ^2/NDF : 9.3/25

-31.885 $\pm$ 53.184 χ^2/NDF : 9.6/27

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.022 $\pm$ 0.056 χ^2 /NDF: 1004284.9/16

Left Out: 242.504 $\pm$ 0.070 χ^2 /NDF:688908.1/8

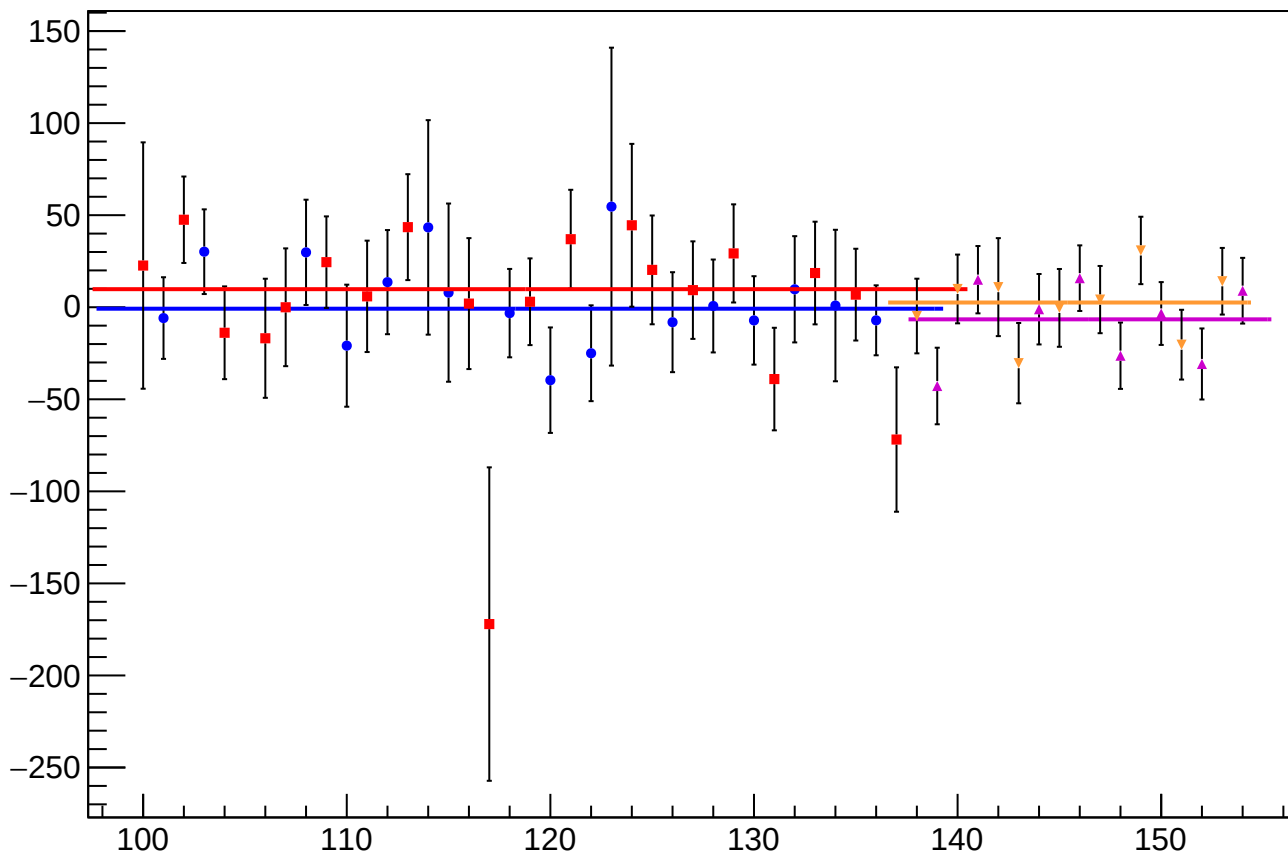
213.767 $\pm$ 0.044 χ^2 /NDF: 1974105.7/25

Right Out: 173.471 $\pm$ 0.050 χ^2 /NDF: 1582273.4/19

180.868 $\pm$ 0.038 χ^2 /NDF: 2698081.2/27

Left In: 190.724 $\pm$ 0.057 χ^2 /NDF:1064259.2/7

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: 2.561 ± 6.612 χ^2/NDF : 6.9/8

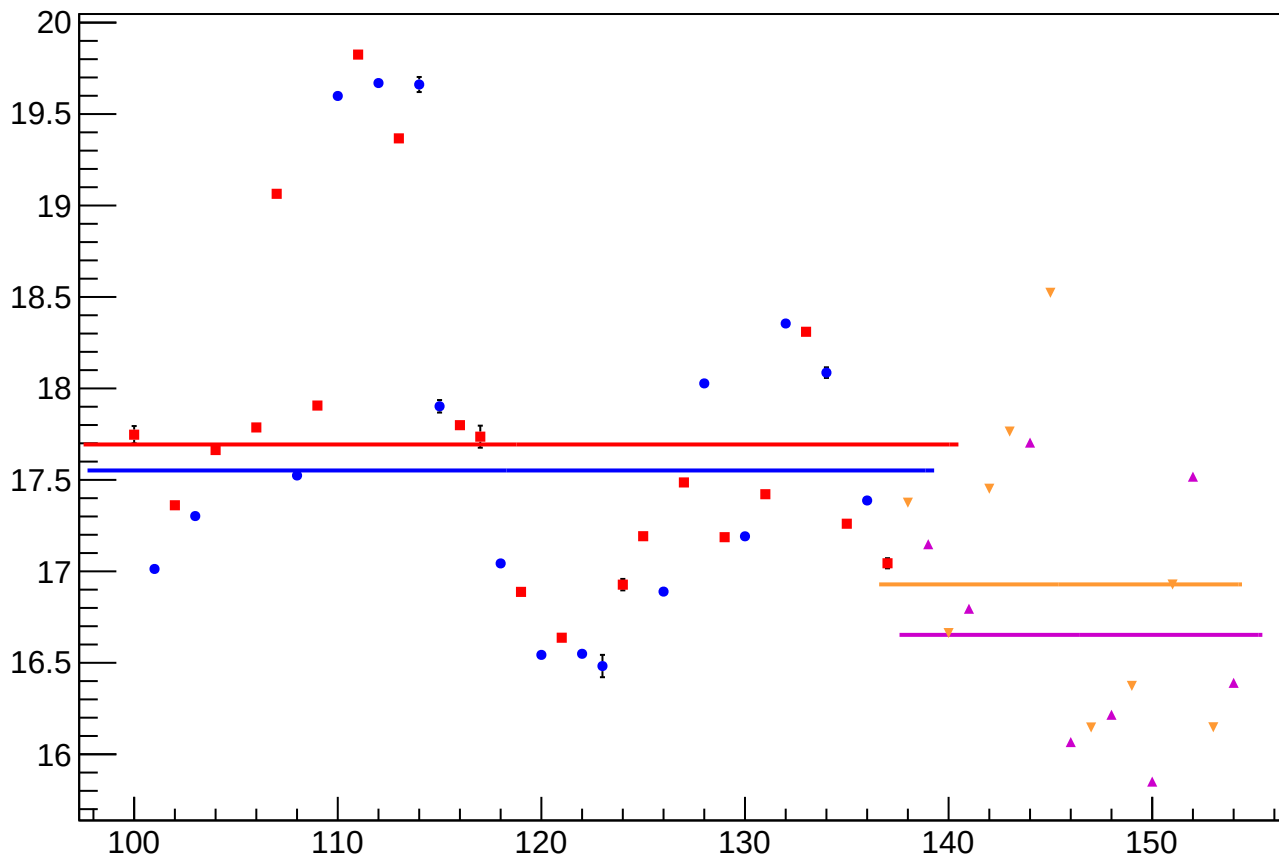
Right Out: 9.809 ± 6.606 χ^2/NDF : 20.5/19

Left In: -6.580 ± 6.520 χ^2/NDF : 9.6/7

0.920 ± 4.730 χ^2/NDF : 14.8/25

1.507 ± 4.641 χ^2/NDF : 33.3/27

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



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

Left Out: 16.929 ± 0.005 χ^2/NDF : 25701.7/8

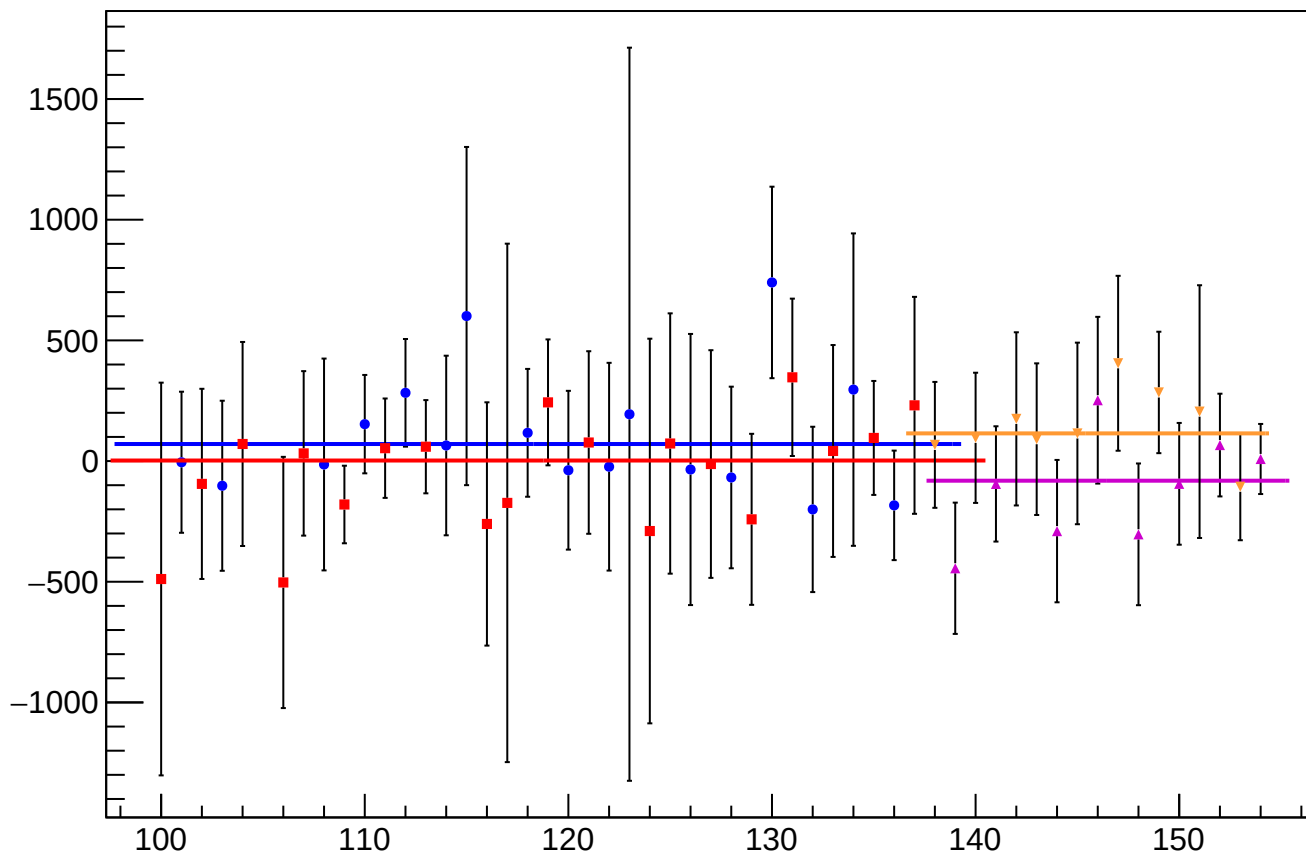
Right Out: 17.694 ± 0.005 χ^2/NDF : 30742.5/19

Left In: 16.653 ± 0.005 χ^2/NDF : 19503.0/7

17.233 ± 0.003 χ^2/NDF : 68392.9/25

17.166 ± 0.003 χ^2/NDF : 75395.1/27

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 70.634 $\pm$ 80.409 χ^2/NDF : 7.2/16

Left Out: 114.702 $\pm$ 99.593 χ^2/NDF : 2.2/8

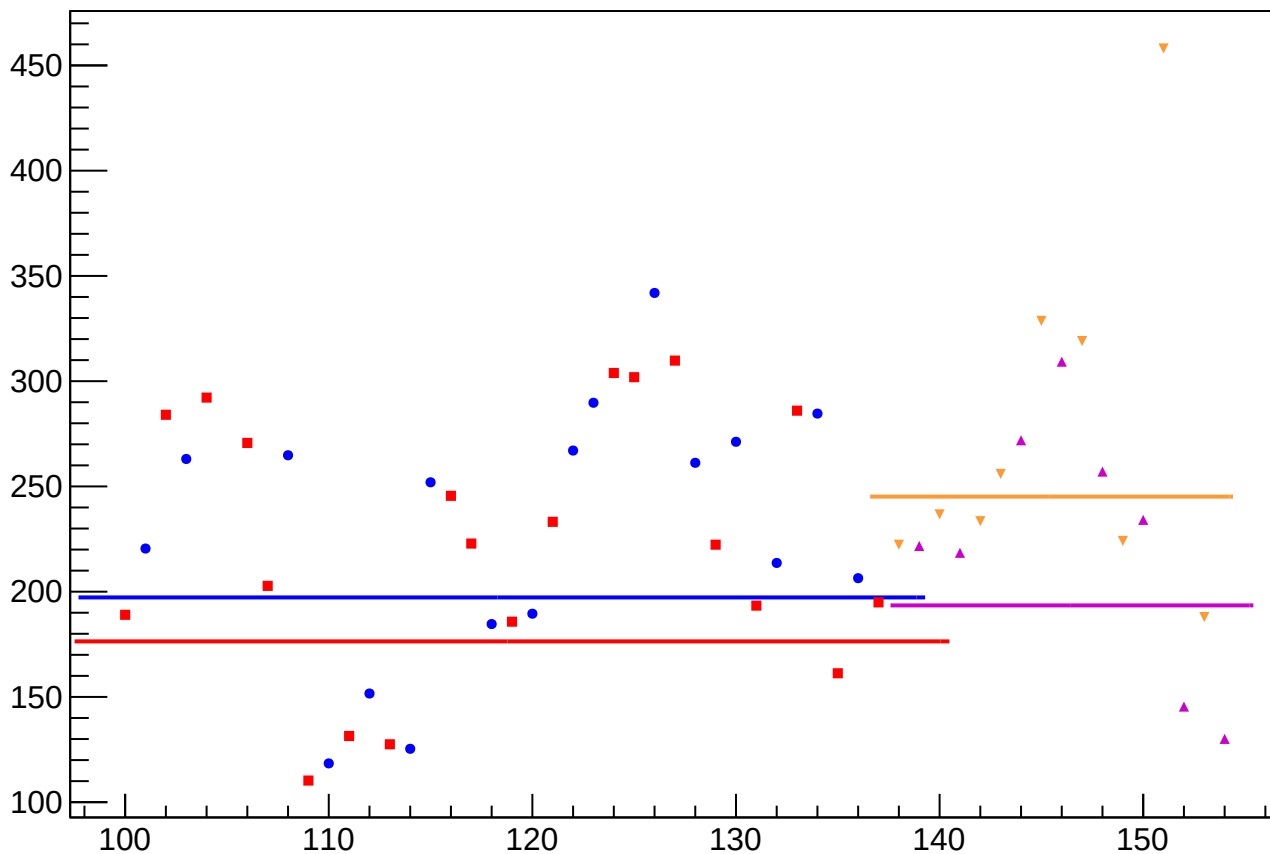
Right Out: 2.285 $\pm$ 71.350 χ^2/NDF : 6.2/19

Left In: -81.344 $\pm$ 82.265 χ^2/NDF : 4.7/7

88.024 $\pm$ 62.563 χ^2/NDF : 9.5/25

-33.617 $\pm$ 53.901 χ^2/NDF : 11.4/27

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.271+/-0.057 χ^2/NDF : 969549.7/16

Left Out: 245.164+/-0.070 χ^2/NDF : 681304.4/8

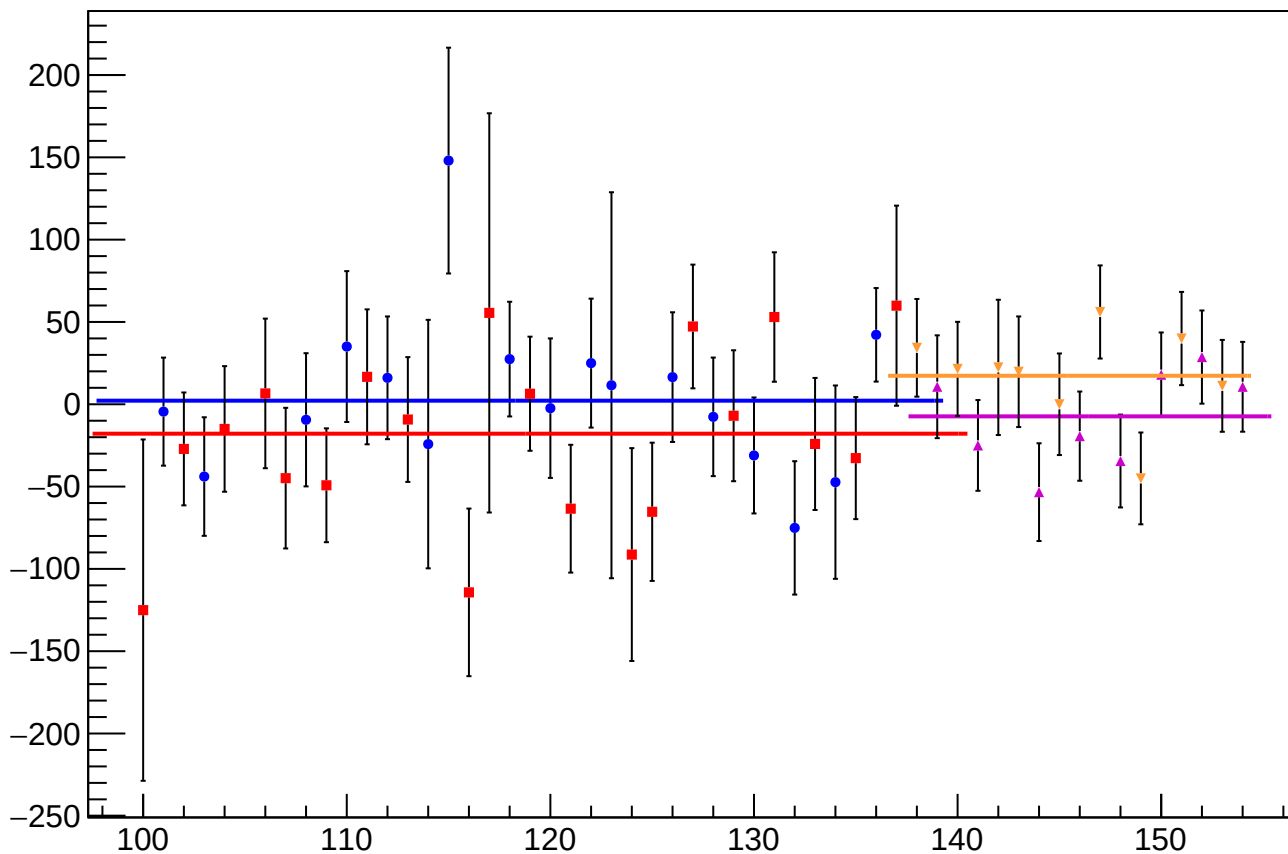
216.171+/-0.044 χ^2/NDF : 1930839.9/25

Right Out: 176.387+/-0.050 χ^2/NDF : 1523467.7/19

183.725+/-0.038 χ^2/NDF : 2611448.7/27

Left In: 193.479+/-0.058 χ^2/NDF : 1038704.5/7

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: 17.311 ± 10.023 $\chi^2/\text{NDF}: 8.2/8$

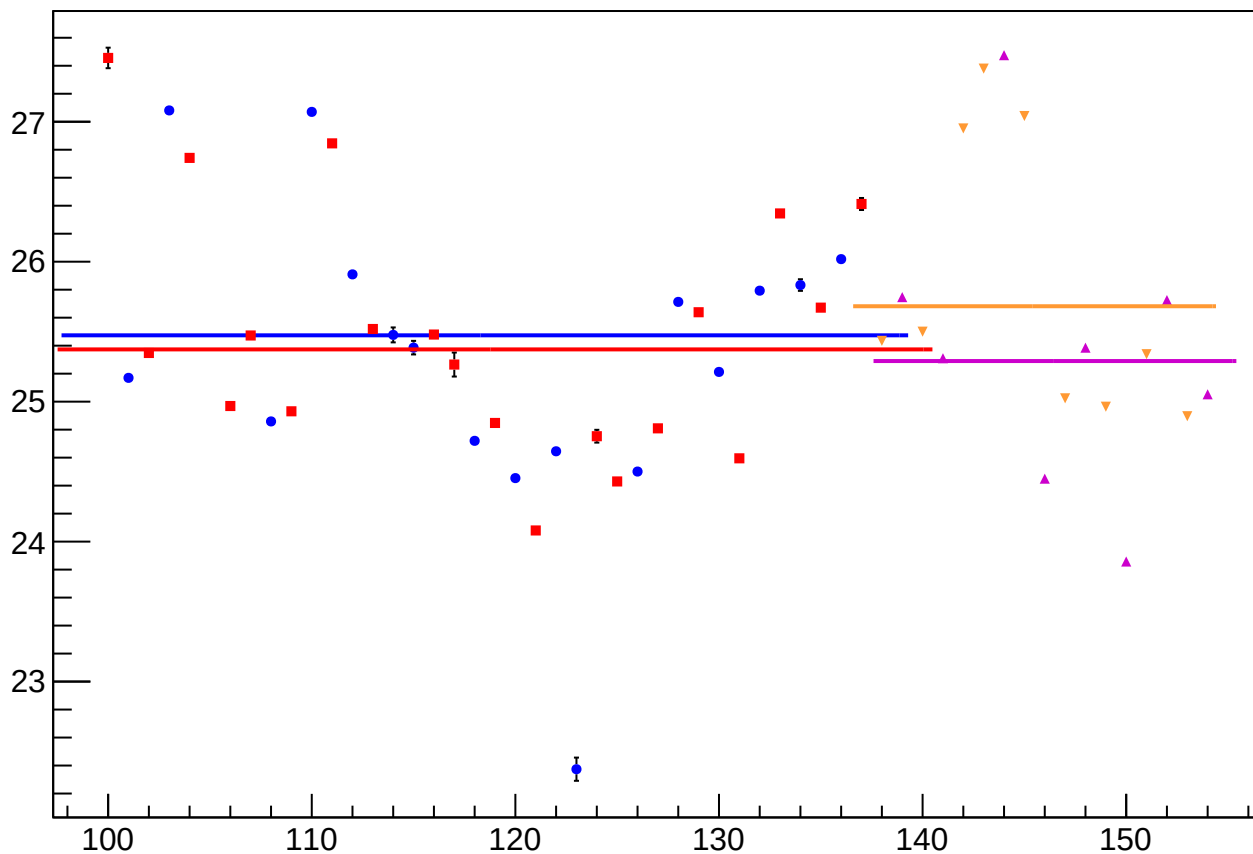
Right Out: -17.869 ± 9.468 $\chi^2/\text{NDF}: 20.0/19$

Left In: -7.343 ± 9.899 $\chi^2/\text{NDF}: 7.3/7$

9.593 ± 7.016 $\chi^2/\text{NDF}: 24.8/25$

-12.840 ± 6.842 $\chi^2/\text{NDF}: 27.8/27$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.474+/-0.007 χ^2/NDF : 14061.2/16

Left Out: 25.682+/-0.007 χ^2/NDF :15407.2/8

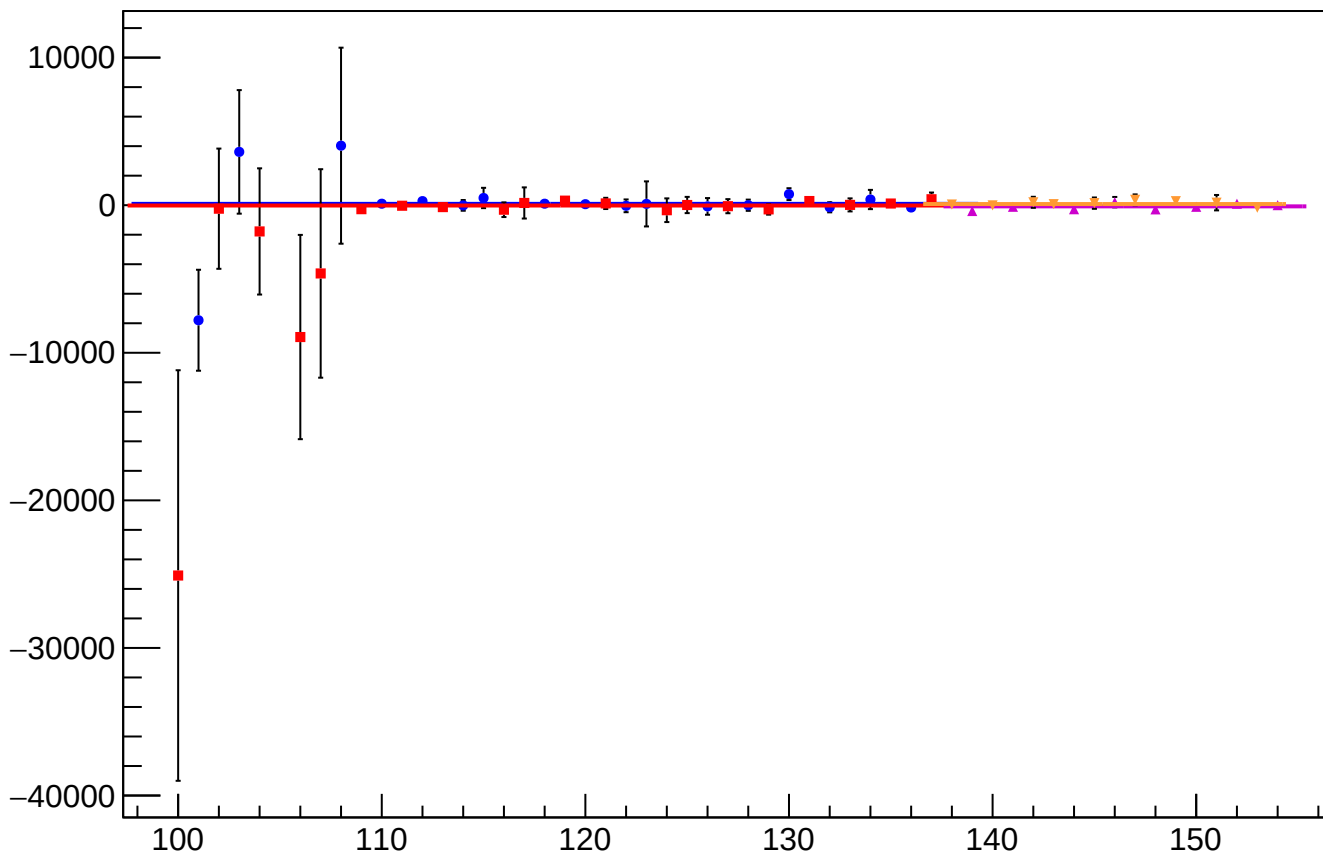
Right Out: 25.373+/-0.007 χ^2/NDF : 13582.8/19

Left In: 25.290+/-0.007 χ^2/NDF :20060.2/7

25.576+/-0.005 χ^2/NDF : 29906.4/25

25.334+/-0.005 χ^2/NDF : 33716.9/27

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: 77.211+/-101.198 χ^2/NDF : 2.6/8

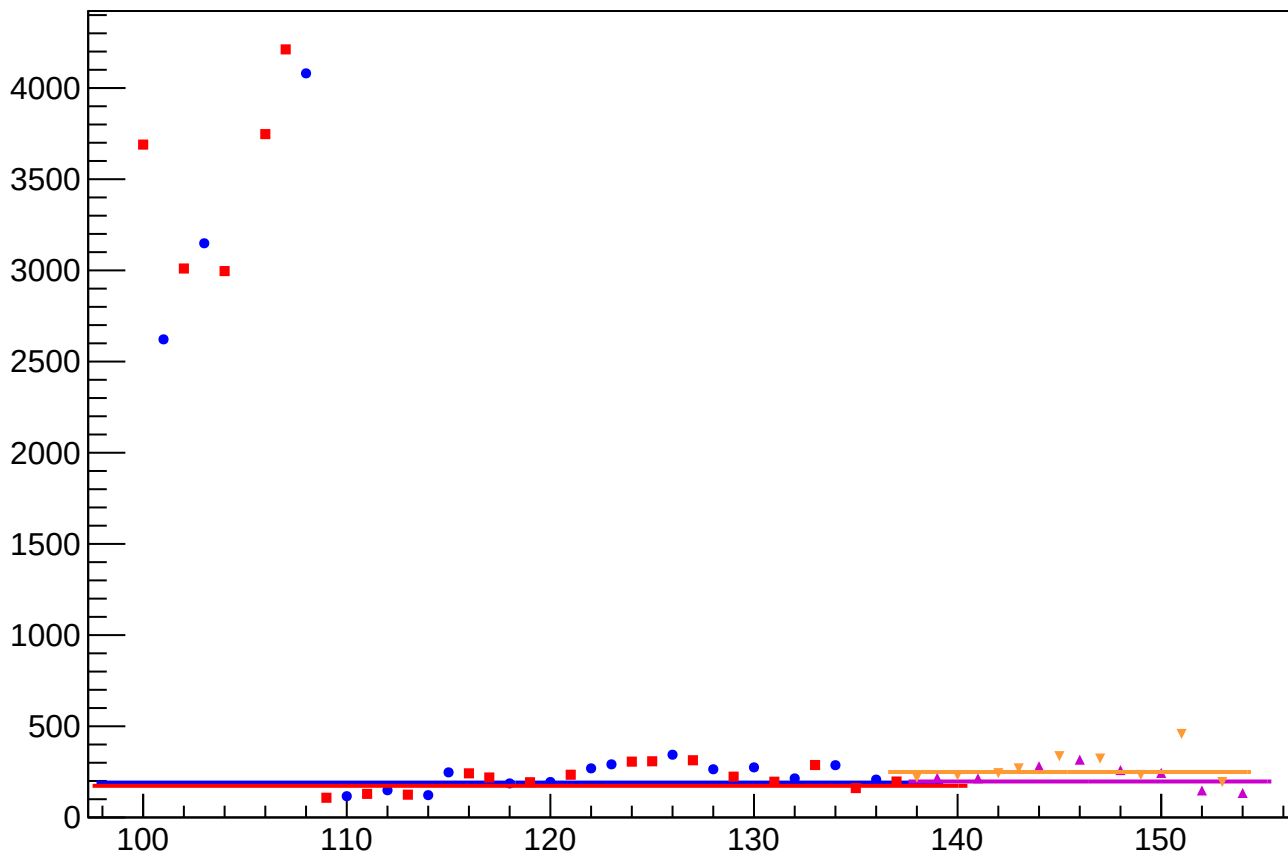
Right Out: -21.600+/-80.665 χ^2/NDF : 11.9/19

Left In: -79.295+/-83.708 χ^2/NDF : 3.9/7

84.302+/-66.246 χ^2/NDF : 14.9/25

-49.380+/-58.085 χ^2/NDF : 16.1/27

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: 249.281+/-0.072 χ^2/NDF : 672709.2/8

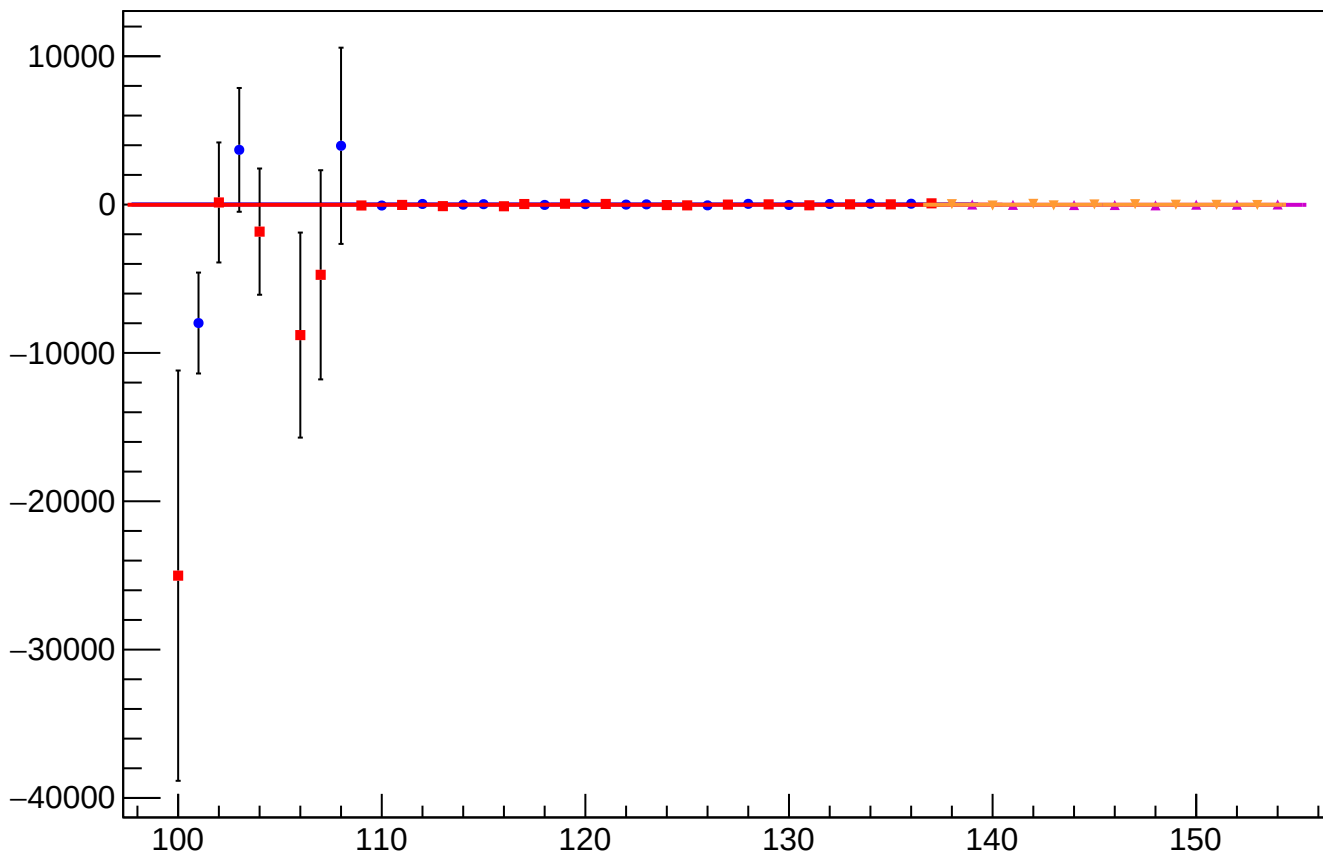
Right Out: 173.536+/-0.057 χ^2/NDF : 4210933.2/19

Left In: 197.231+/-0.059 χ^2/NDF : 1009847.8/7

216.083+/-0.047 χ^2/NDF : 4621082.1/25

184.945+/-0.041 χ^2/NDF : 5303868.8/27

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: -9.248+/-11.696 χ^2/NDF : 8.4/8

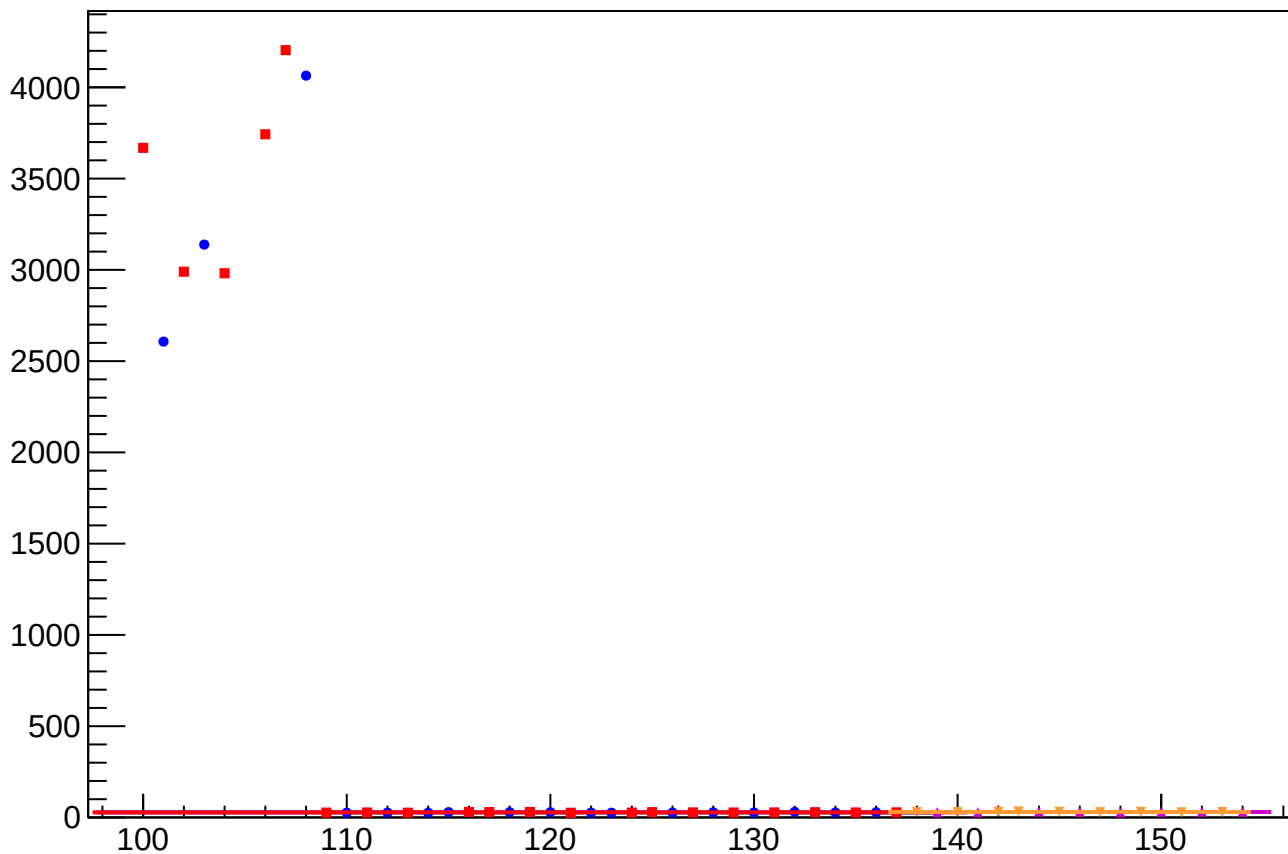
Right Out: -12.573+/-12.182 χ^2/NDF : 24.5/19

Left In: -17.179+/-11.793 χ^2/NDF : 2.6/7

0.169+/-8.439 χ^2/NDF : 28.0/25

-14.951+/-8.473 χ^2/NDF : 27.2/27

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.837+/-0.009 χ^2 /NDF: 3026887.2/16

Left Out: 29.911+/-0.008 χ^2 /NDF:29430.9/8

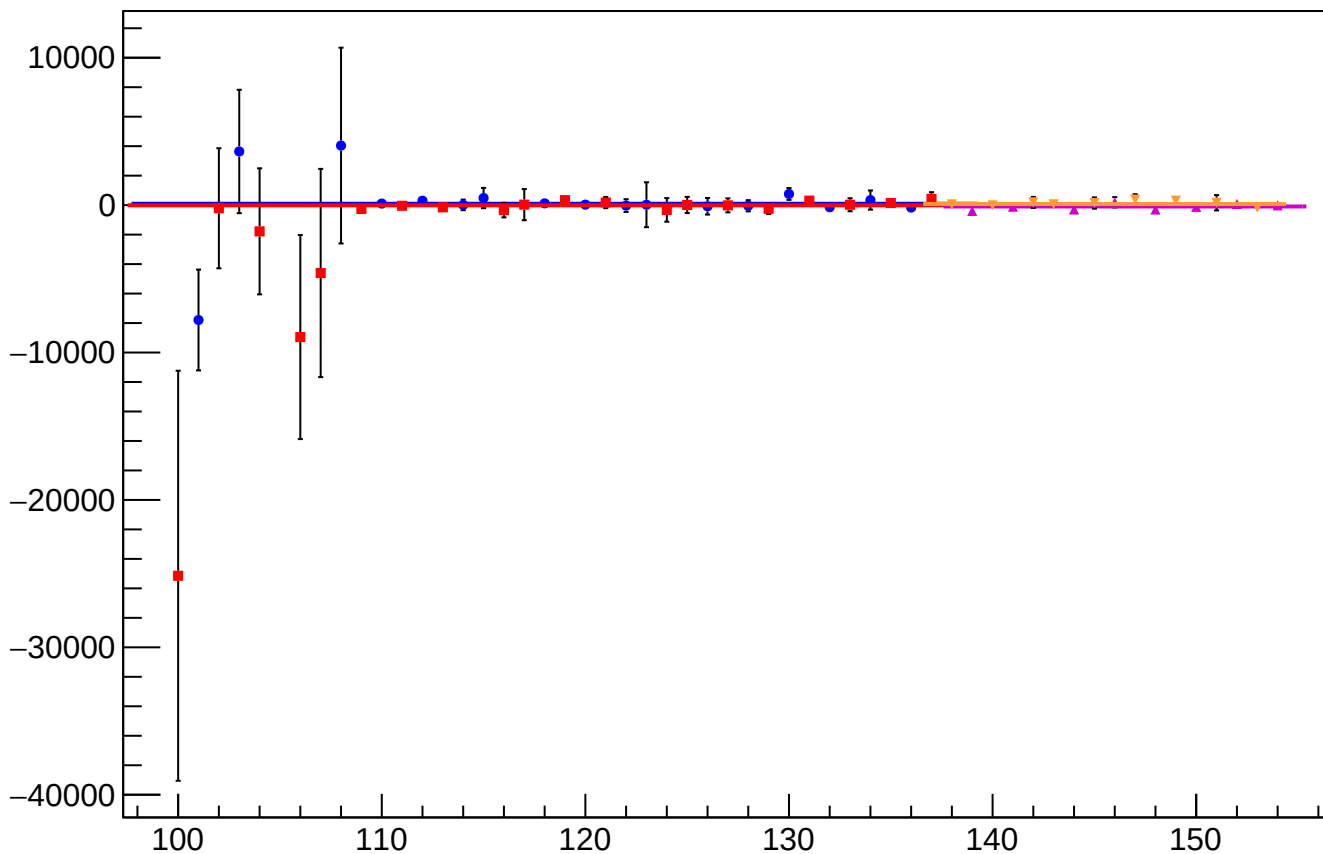
Right Out: 27.706+/-0.009 χ^2 /NDF: 3477080.4/19

Left In: 30.057+/-0.008 χ^2 /NDF:30489.0/7

28.917+/-0.006 χ^2 /NDF: 3086474.7/25

28.920+/-0.006 χ^2 /NDF: 3546003.7/27

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: 78.078+/-100.974 χ^2/NDF : 2.9/8

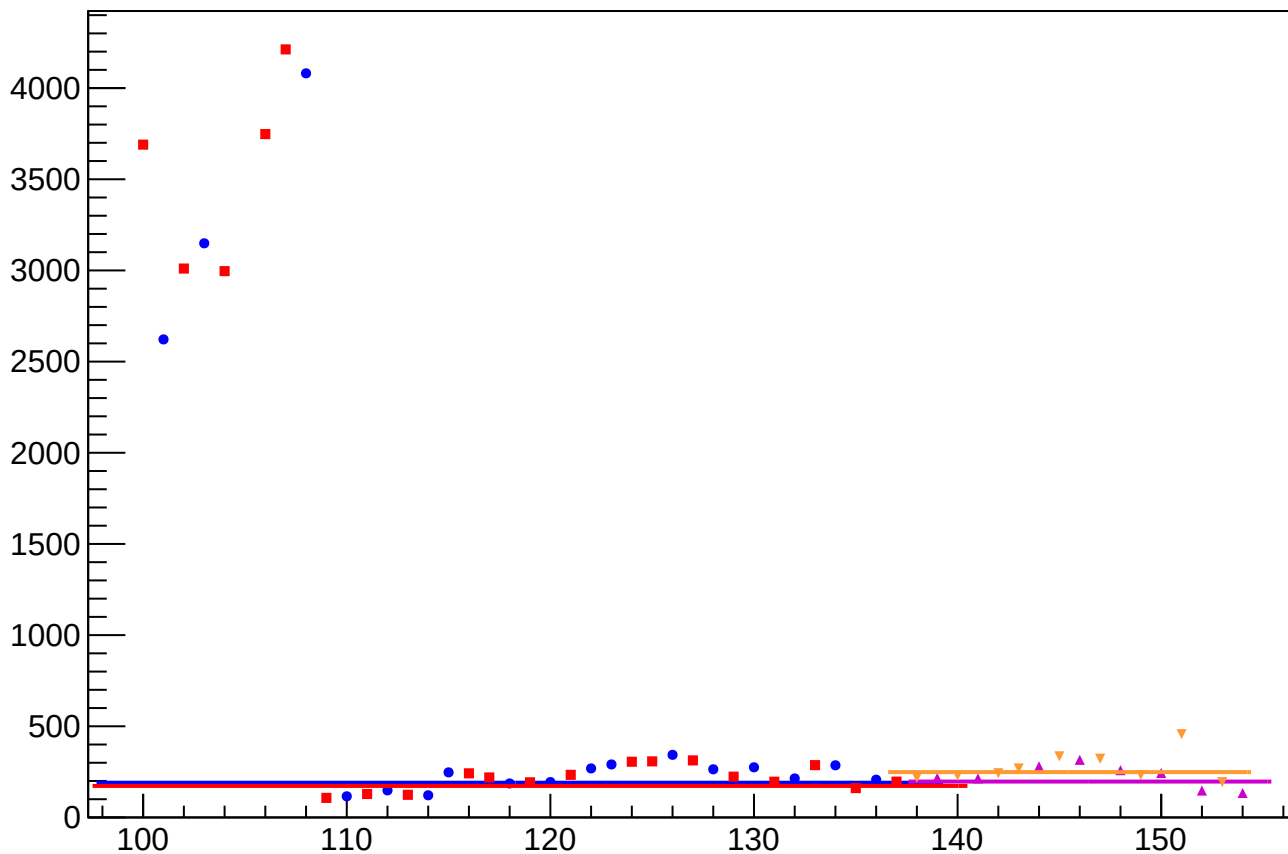
Right Out: -12.509+/-80.407 χ^2/NDF : 12.7/19

Left In: -91.553+/-83.536 χ^2/NDF : 3.8/7

86.520+/-66.065 χ^2/NDF : 15.6/25

-50.522+/-57.931 χ^2/NDF : 16.9/27

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: 248.726 ± 0.071 χ^2/NDF : 672782.5/8

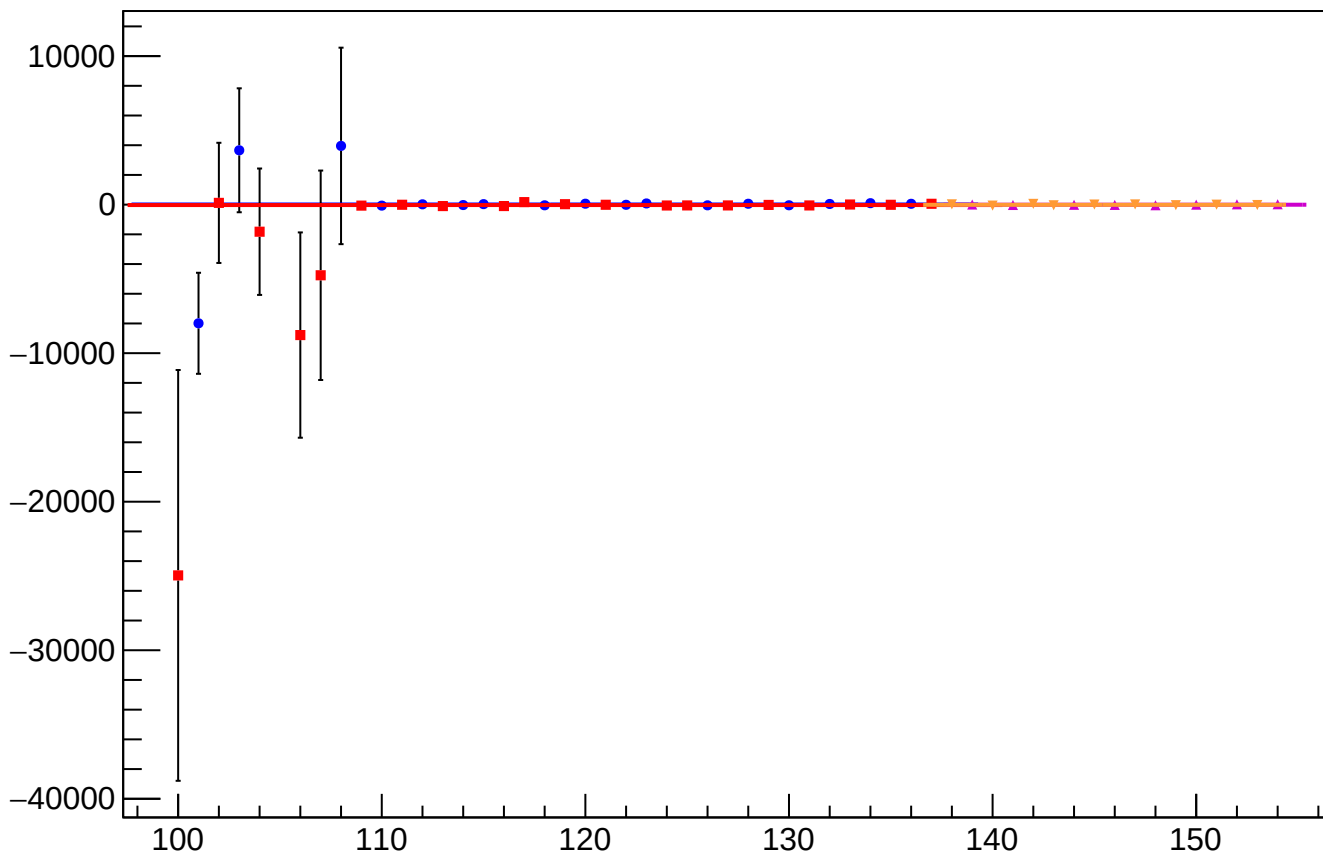
Right Out: 172.872 ± 0.057 χ^2/NDF : 422275.2/19

Left In: 196.837 ± 0.059 χ^2/NDF : 1008886.8/7

215.417 ± 0.047 χ^2/NDF : 4636889.1/25

184.397 ± 0.041 χ^2/NDF : 5316603.7/27

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 9.600+/-12.273 χ^2/NDF : 23.2/16

Left Out: -11.422+/-11.777 χ^2/NDF : 7.4/8

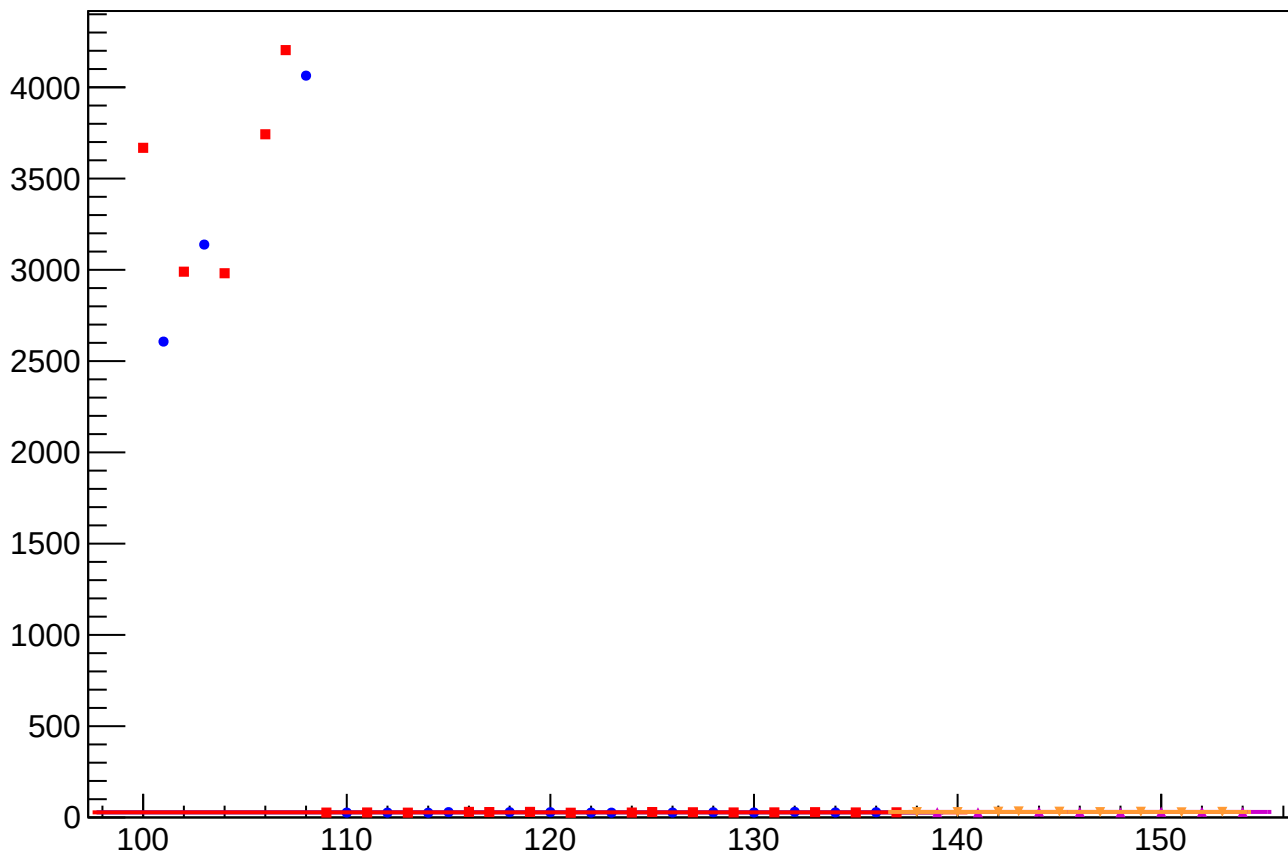
Right Out: -28.128+/-12.282 χ^2/NDF : 18.5/19

Left In: -5.965+/-11.857 χ^2/NDF : 3.3/7

-1.344+/-8.498 χ^2/NDF : 32.1/25

-16.656+/-8.530 χ^2/NDF : 23.5/27

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: 30.117+/-0.008 χ^2/NDF : 30753.7/8

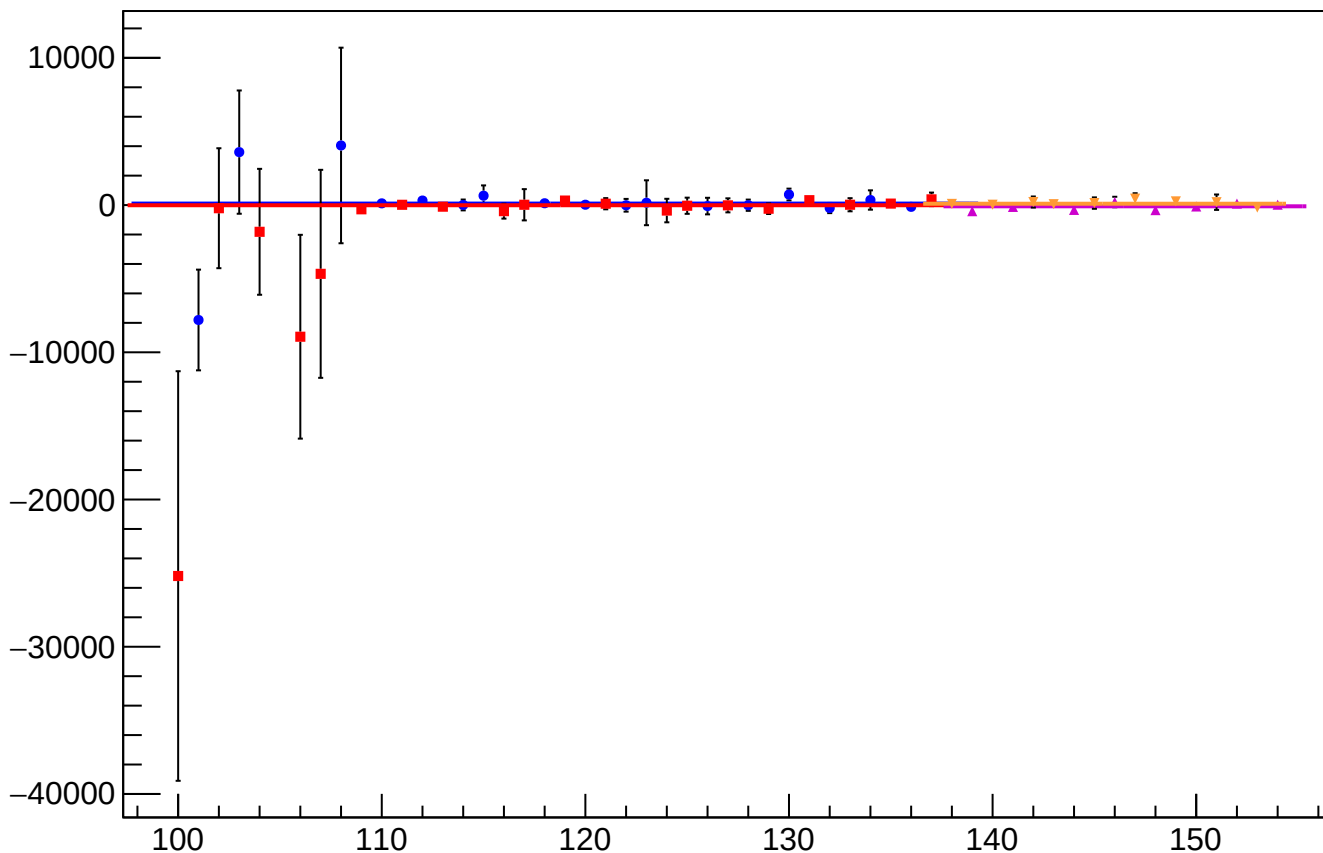
Right Out: 27.929+/-0.009 χ^2/NDF : 3479867.7/19

Left In: 30.226+/-0.008 χ^2/NDF : 30829.0/7

29.113+/-0.006 χ^2/NDF : 3088075.4/25

29.118+/-0.006 χ^2/NDF : 3546902.6/27

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: 91.657 $\pm$ 102.224 χ^2 /NDF: 2.7/8

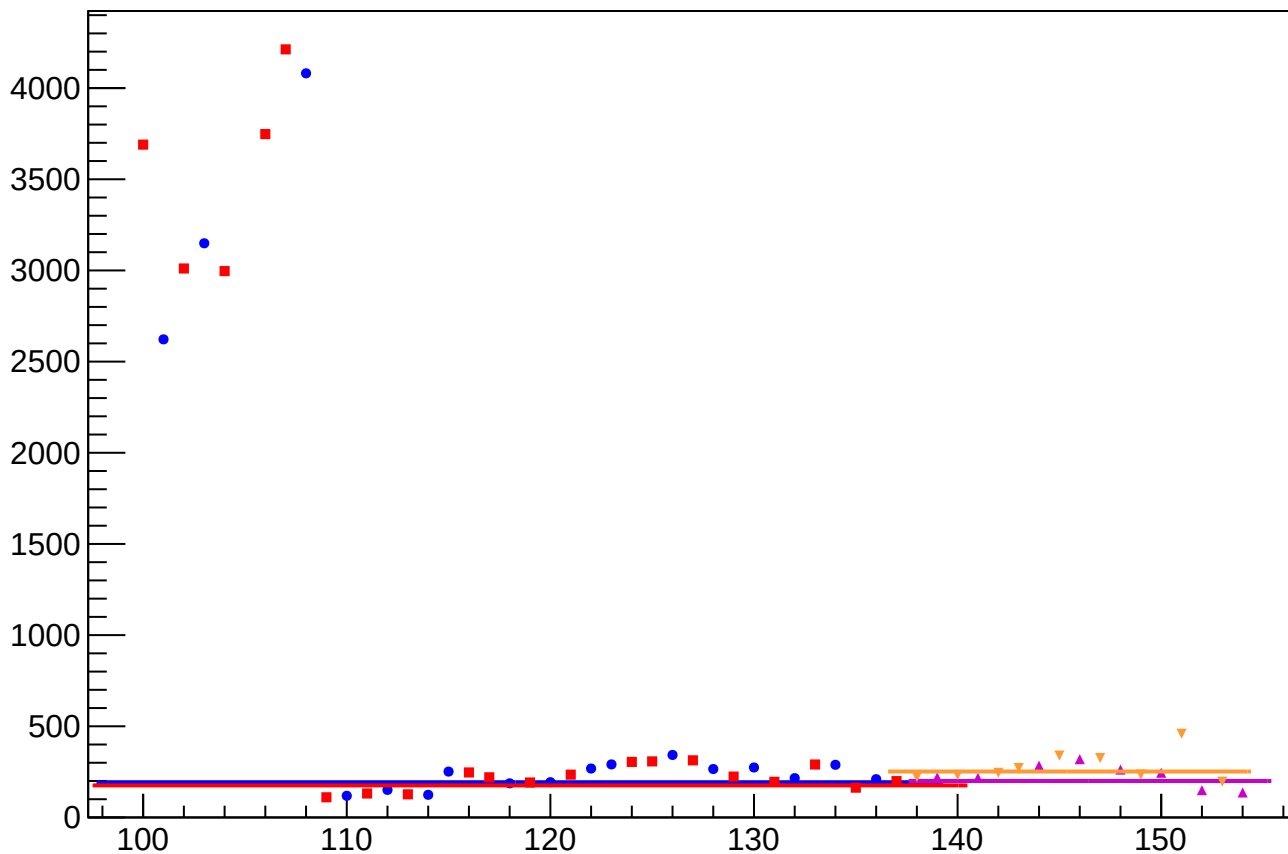
Right Out: -11.037 $\pm$ 81.486 χ^2 /NDF: 12.3/19

Left In: -83.168 $\pm$ 84.729 χ^2 /NDF: 4.8/7

97.445 $\pm$ 66.862 χ^2 /NDF: 15.1/25

-45.696 $\pm$ 58.732 χ^2 /NDF: 17.5/27

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: 251.946+/-0.072 χ^2/NDF : 664043.4/8

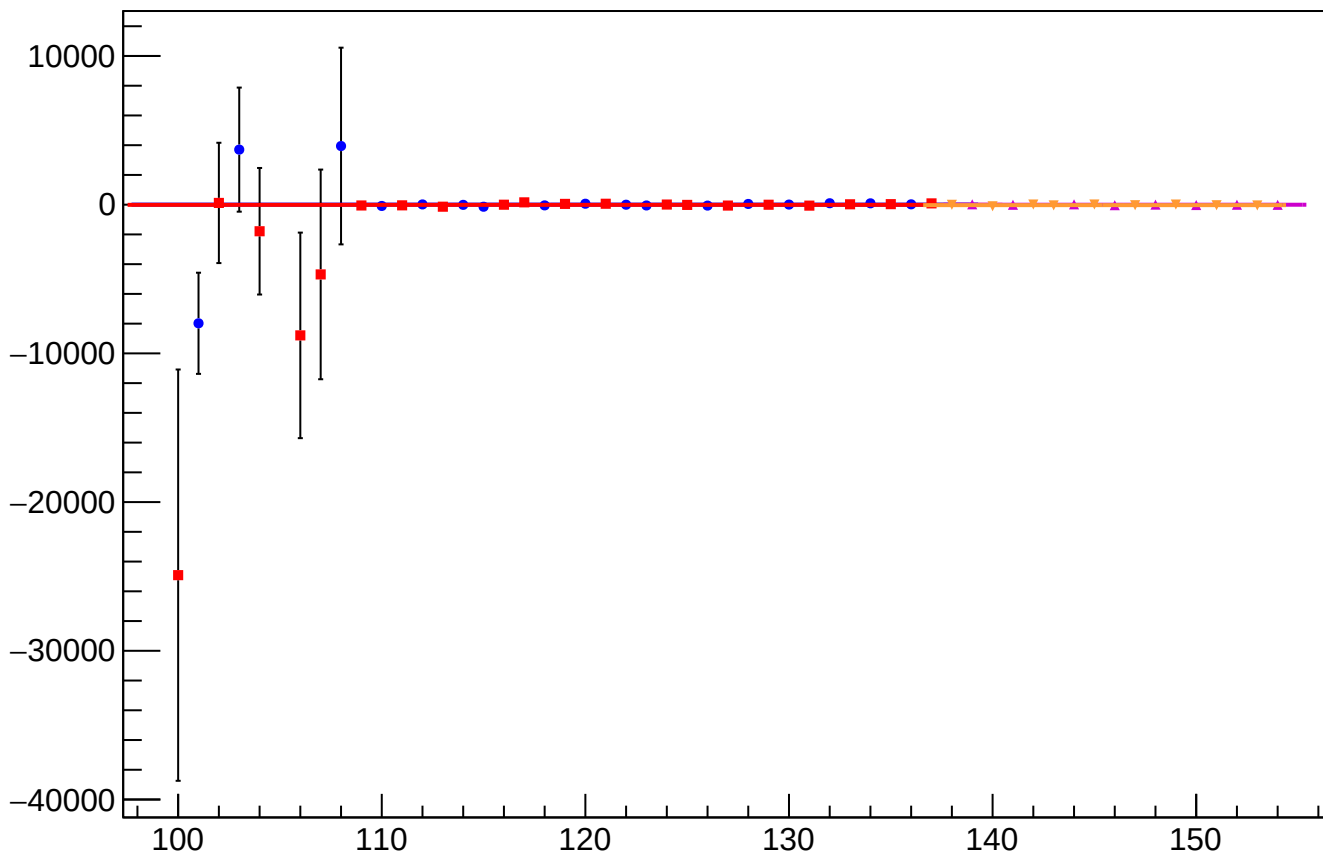
218.326+/-0.047 χ^2/NDF : 4578234.7/25

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

187.377+/-0.042 χ^2/NDF : 5239896.9/27

Left In: 199.948+/-0.060 χ^2/NDF : 986211.8/7

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: -31.137 $\pm$ 13.851 χ^2 /NDF: 6.9/8

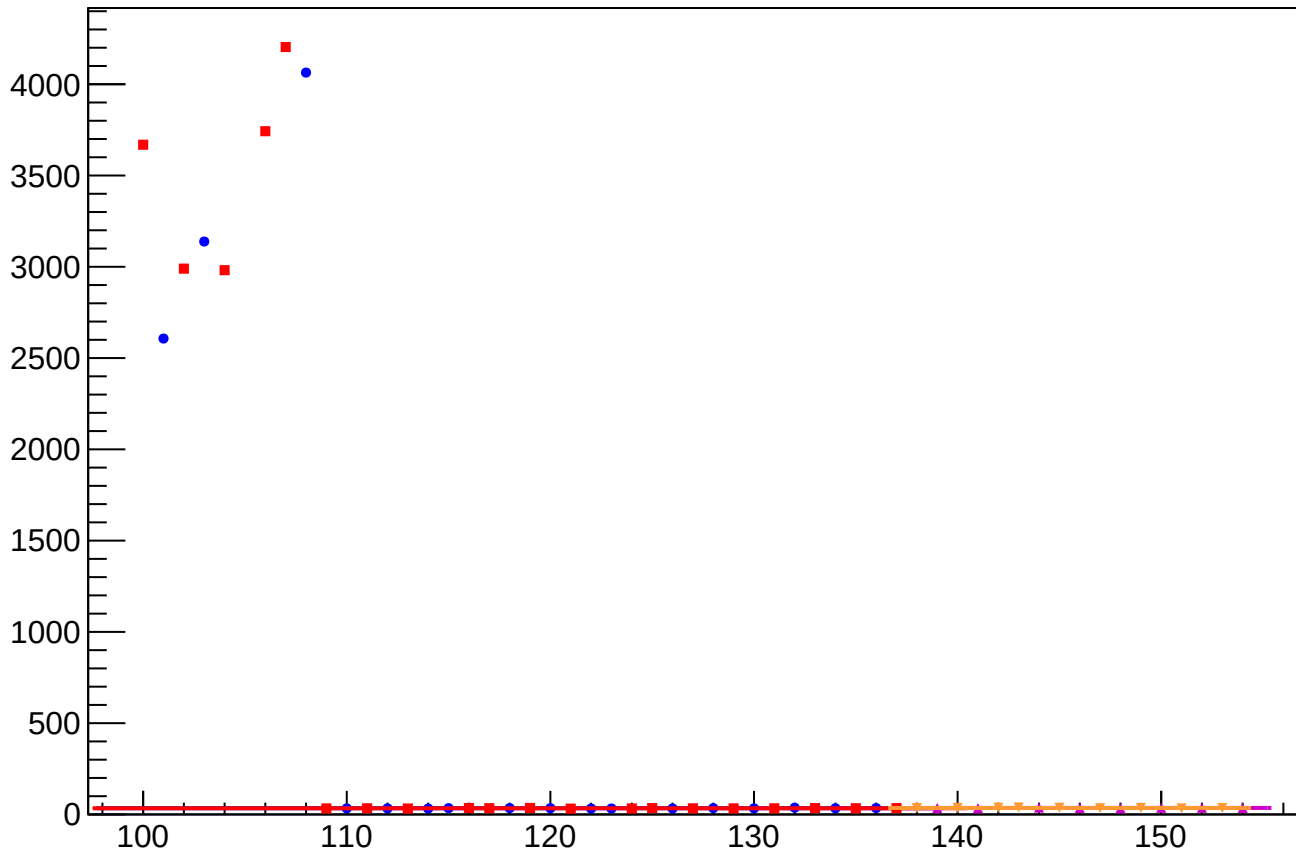
Right Out: -11.101 $\pm$ 14.886 χ^2 /NDF: 22.7/19

Left In: -3.512 $\pm$ 13.949 χ^2 /NDF: 1.8/7

-14.589 $\pm$ 10.156 χ^2 /NDF: 30.4/25

-7.060 $\pm$ 10.178 χ^2 /NDF: 24.7/27

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.137+/-0.011 χ^2/NDF : 3006248.0/16

Left Out: 35.471+/-0.010 χ^2/NDF :19067.4/8

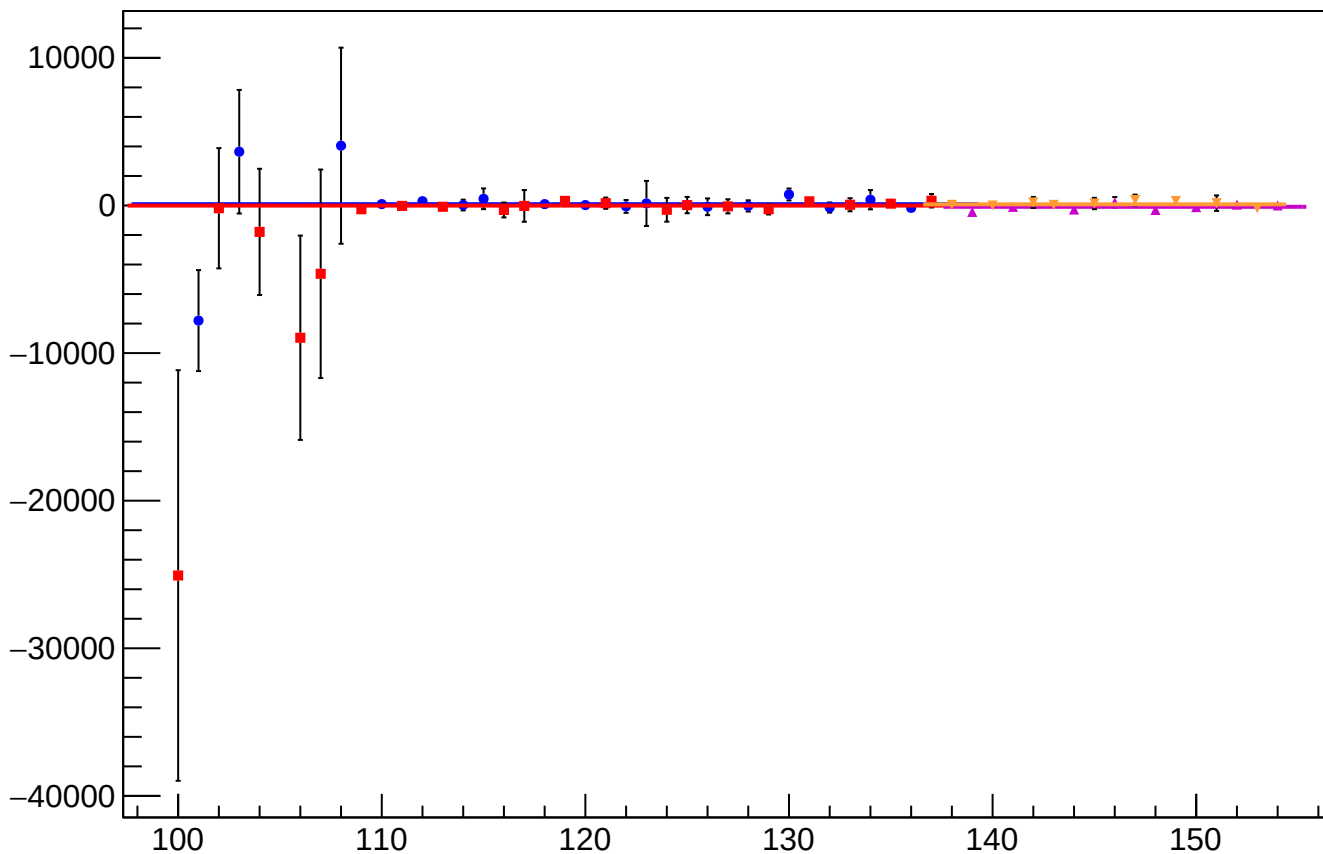
Right Out: 33.915+/-0.011 χ^2/NDF : 3451897.1/19

Left In: 35.624+/-0.010 χ^2/NDF :12530.6/7

34.854+/-0.007 χ^2/NDF : 3033890.6/25

34.825+/-0.007 χ^2/NDF : 3478465.1/27

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: 77.754+/-101.625 χ^2/NDF : 3.0/8

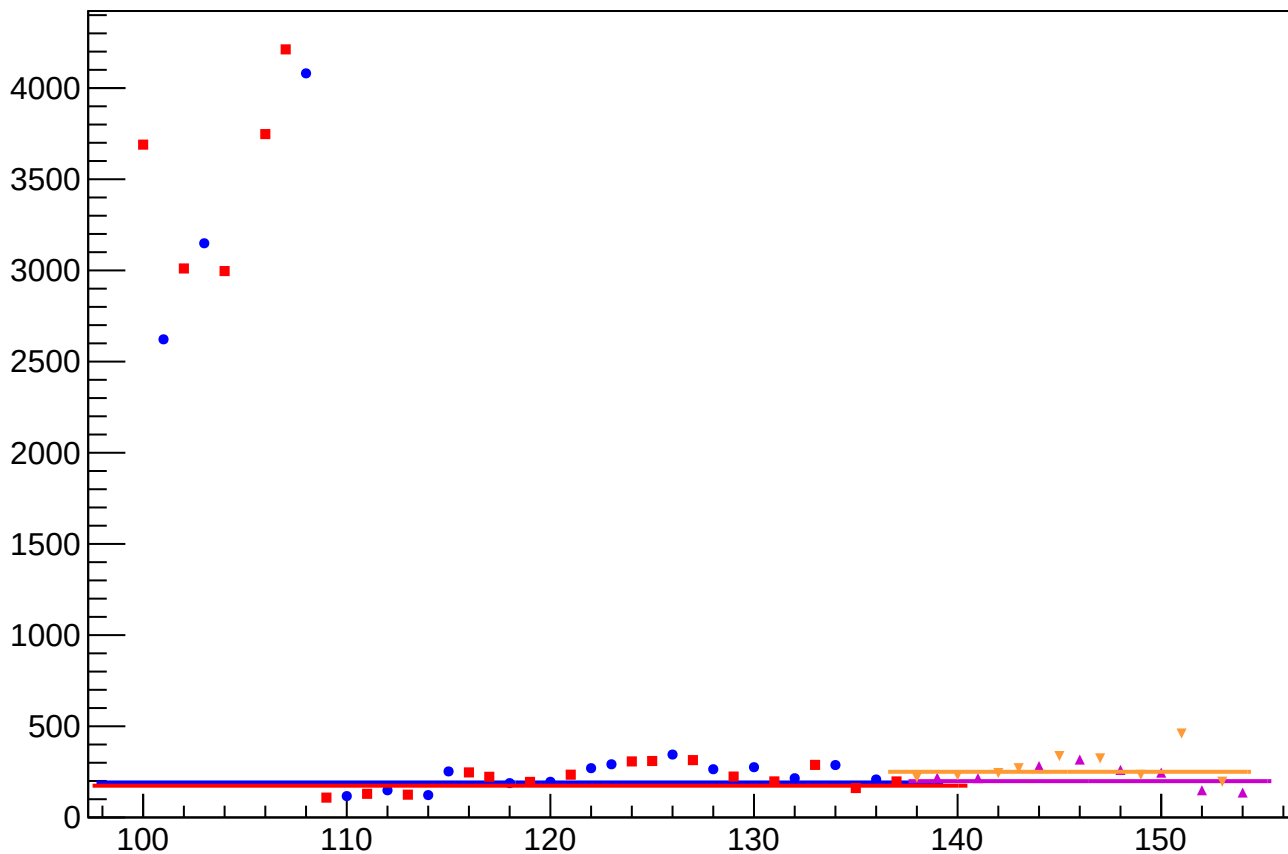
Right Out: -7.420+/-80.977 χ^2/NDF : 11.1/19

Left In: -88.574+/-84.386 χ^2/NDF : 4.1/7

82.492+/-66.502 χ^2/NDF : 15.4/25

-46.325+/-58.428 χ^2/NDF : 15.7/27

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: 250.400+/-0.072 χ^2/NDF : 667694.0/8

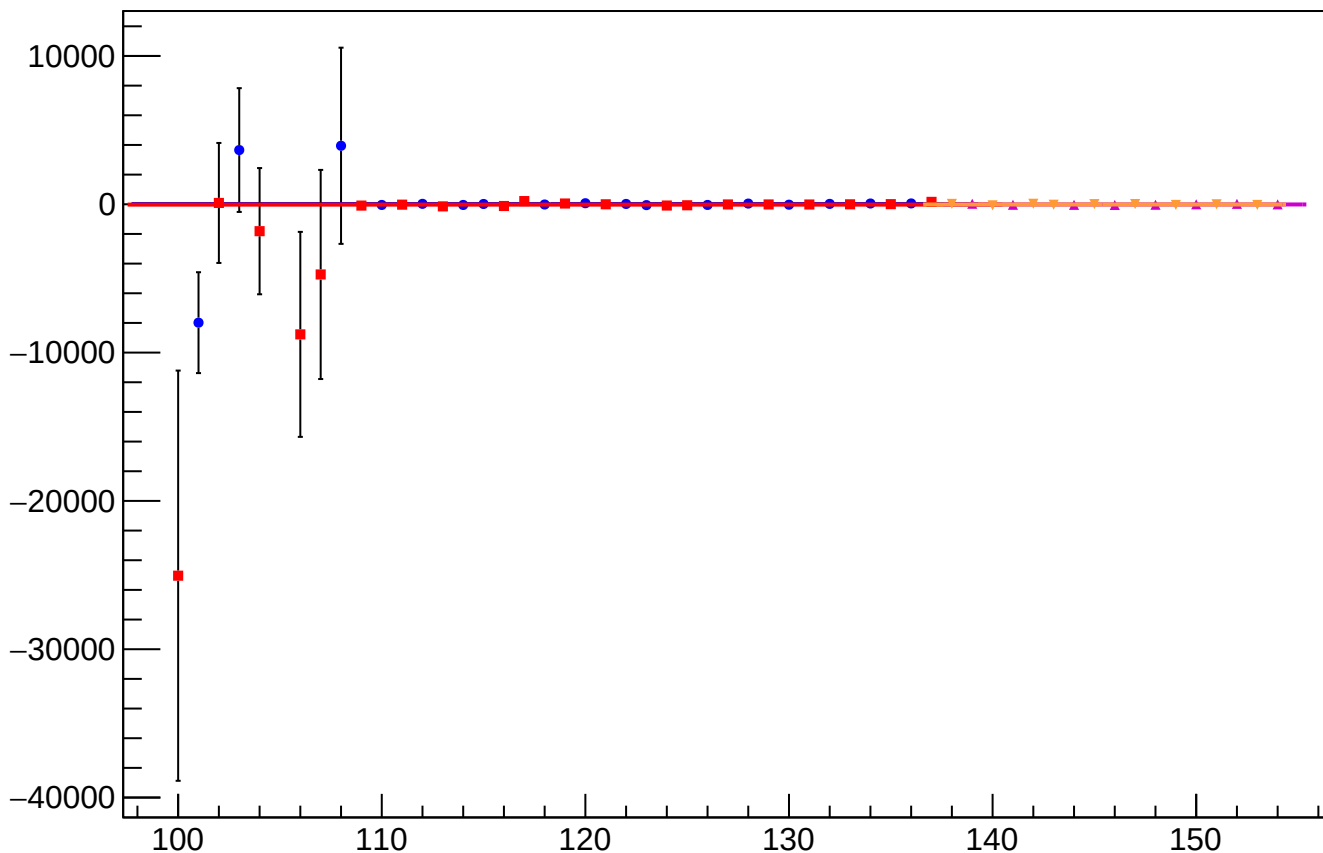
216.940+/-0.047 χ^2/NDF : 4619953.1/25

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

186.154+/-0.041 χ^2/NDF : 5285726.1/27

Left In: 199.129+/-0.060 χ^2/NDF : 979368.8/7

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: -14.012+/-12.721 χ^2/NDF : 7.4/8

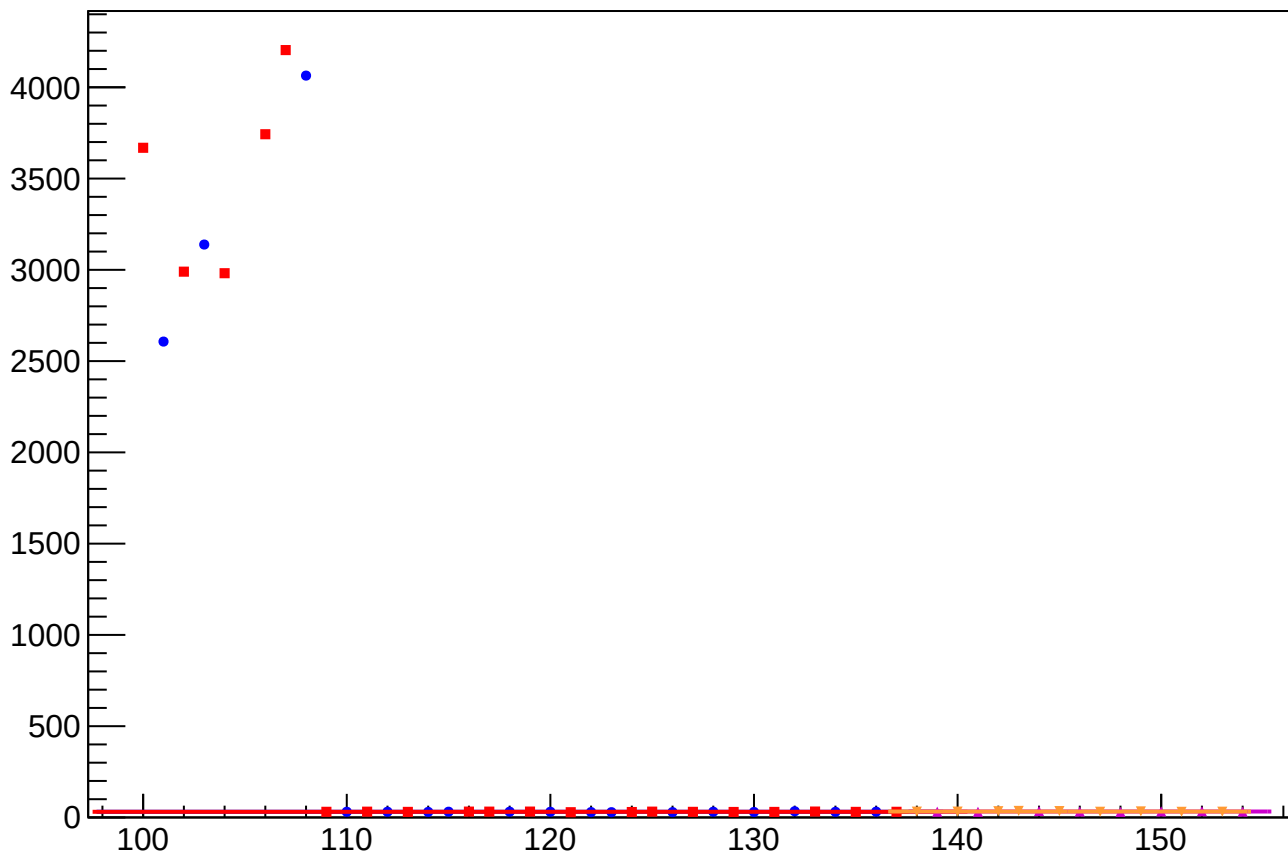
Right Out: -21.490+/-13.601 χ^2/NDF : 29.9/19

Left In: -12.075+/-12.766 χ^2/NDF : 4.9/7

-0.903+/-9.296 χ^2/NDF : 24.9/25

-16.485+/-9.308 χ^2/NDF : 35.1/27

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.127 $\pm$ 0.010 χ^2 /NDF: 3014425.9/16

Left Out: 32.537 $\pm$ 0.009 χ^2 /NDF:31830.6/8

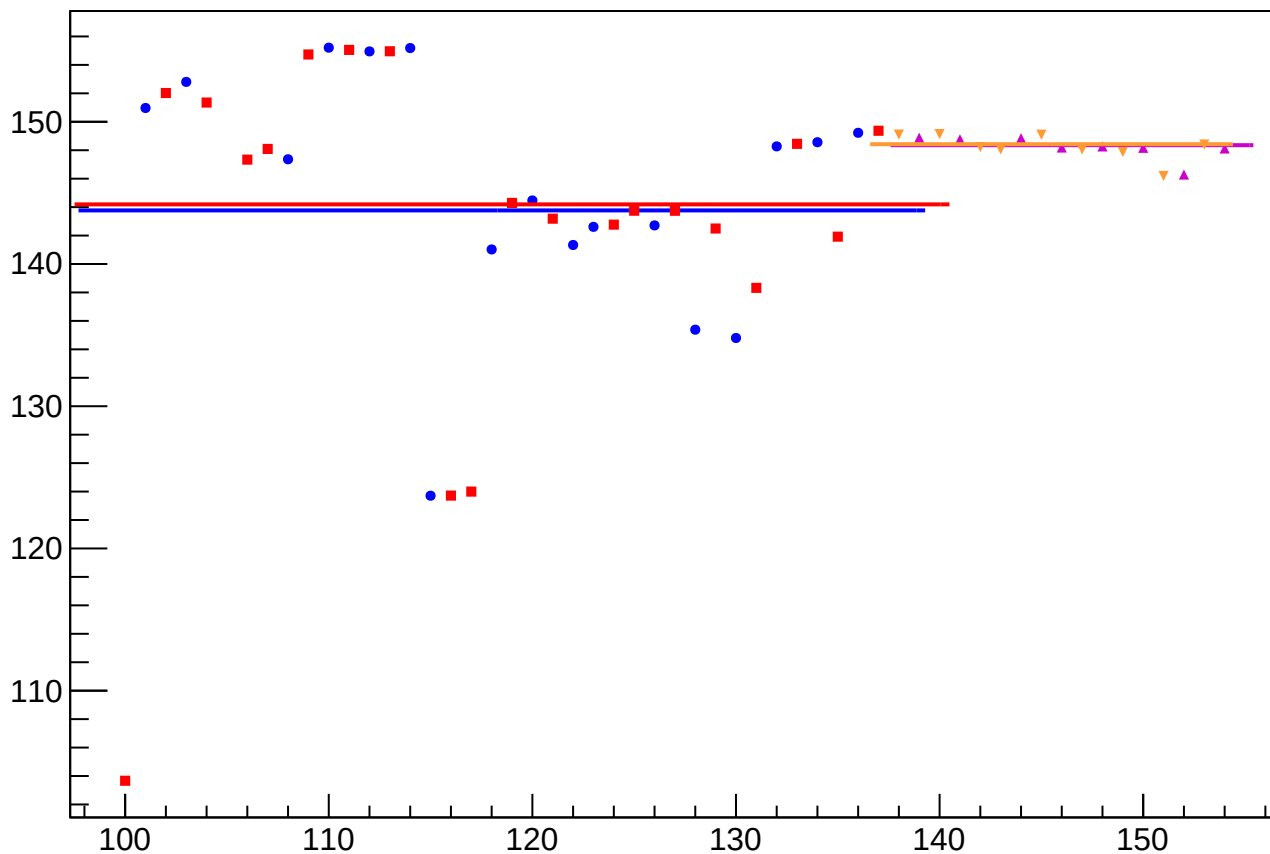
Right Out: 30.970 $\pm$ 0.010 χ^2 /NDF: 3459018.8/19

Left In: 32.543 $\pm$ 0.009 χ^2 /NDF:24836.3/7

31.880 $\pm$ 0.007 χ^2 /NDF: 3057713.3/25

31.807 $\pm$ 0.007 χ^2 /NDF: 3498068.6/27

yield_bcm_an_ds_mean vs Slug



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

Left Out: 148.423 $\pm$ 0.000 χ^2 /NDF:30682610.8/8

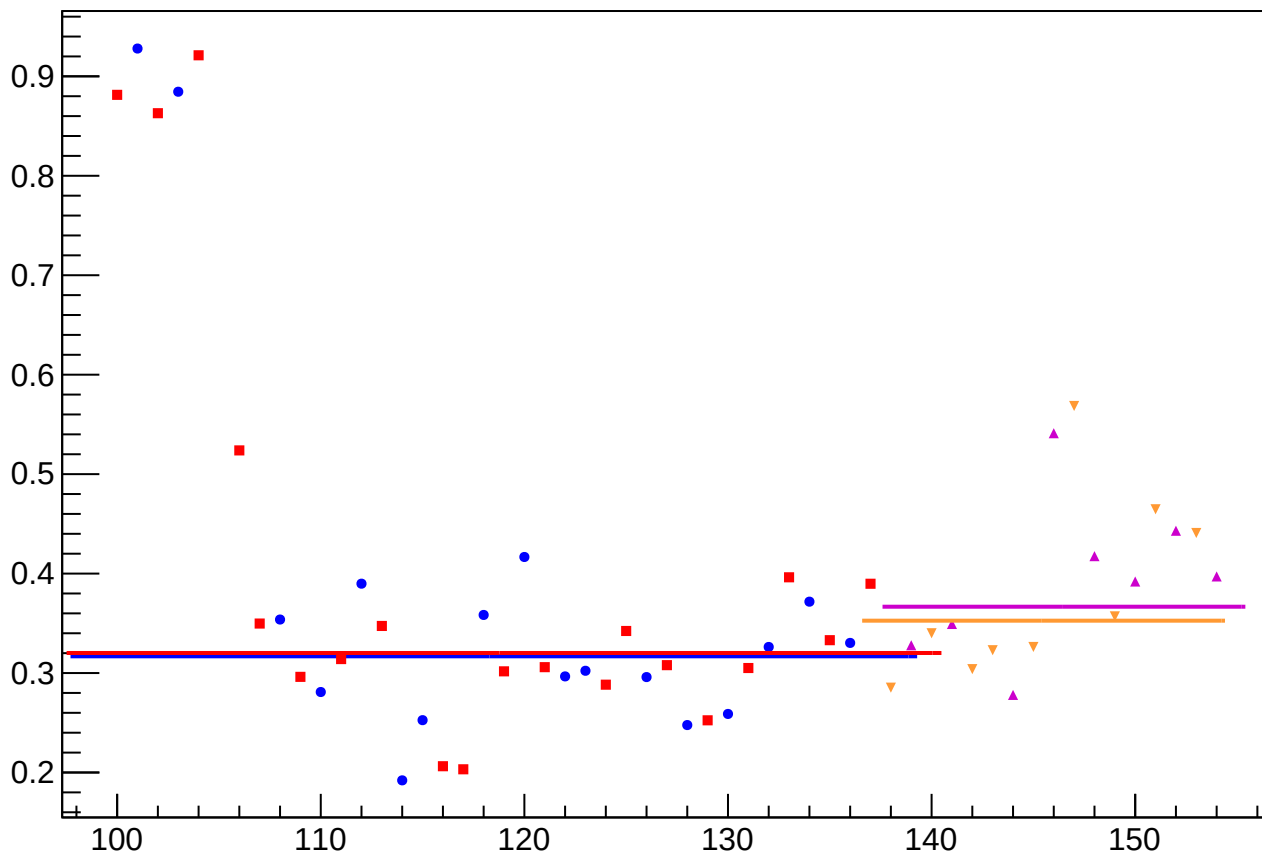
Right Out: 144.192 $\pm$ 0.000 χ^2 /NDF: 4524049993.1/19

Left In: 148.355 $\pm$ 0.000 χ^2 /NDF:22992998.8/7

145.937 $\pm$ 0.000 χ^2 /NDF: 4124647206.5/25

146.025 $\pm$ 0.000 χ^2 /NDF: 4984946802.4/27

yield_bcm_an_ds_rms vs Slug



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

Left Out: 0.353 ± 0.000 χ^2/NDF : 482822.2/8

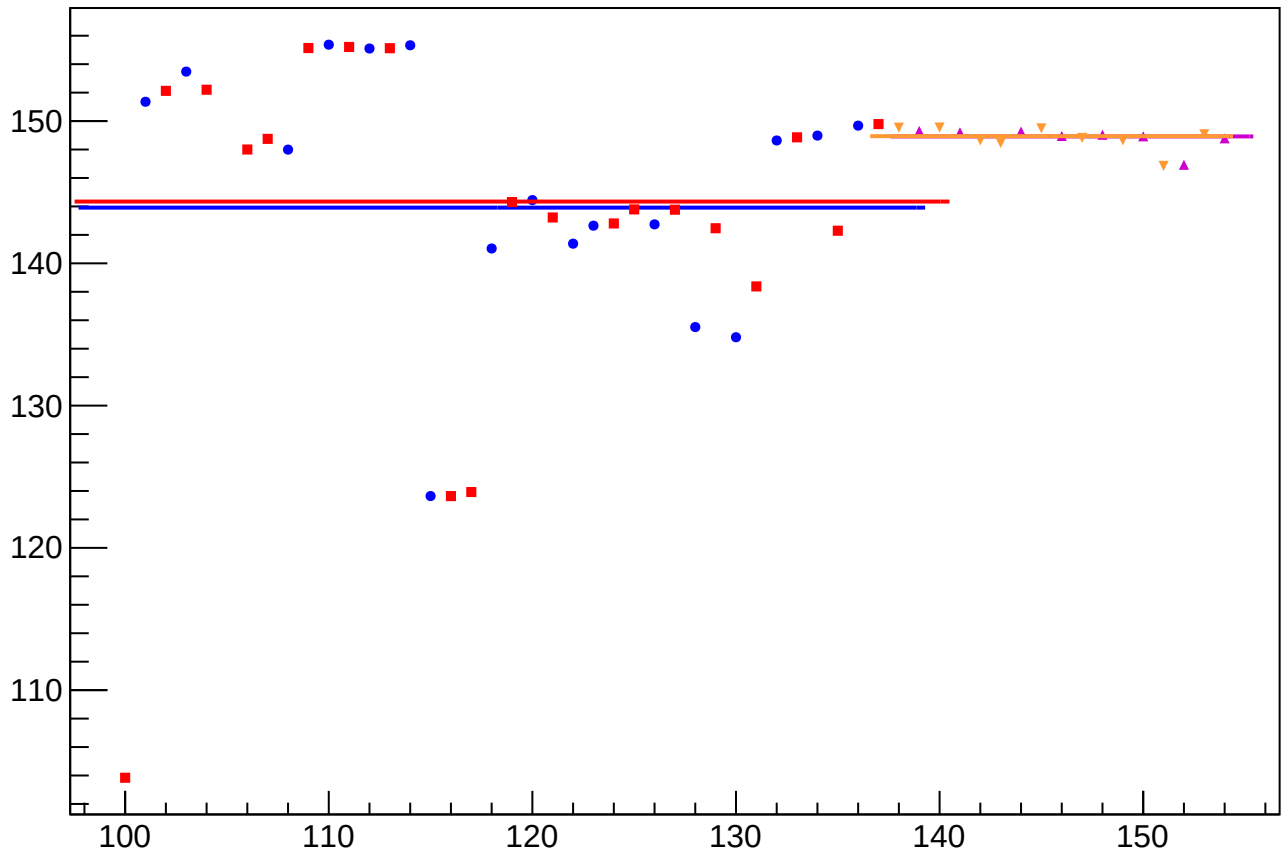
Right Out: 0.320 ± 0.000 χ^2/NDF : 1240600.2/19

Left In: 0.367 ± 0.000 χ^2/NDF : 442081.5/7

0.334 ± 0.000 χ^2/NDF : 1828010.7/25

0.341 ± 0.000 χ^2/NDF : 1792116.2/27

yield_bcm_an_ds3_mean vs Slug



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

Left Out: 148.938 ± 0.000 χ^2/NDF : 24496900.5/8

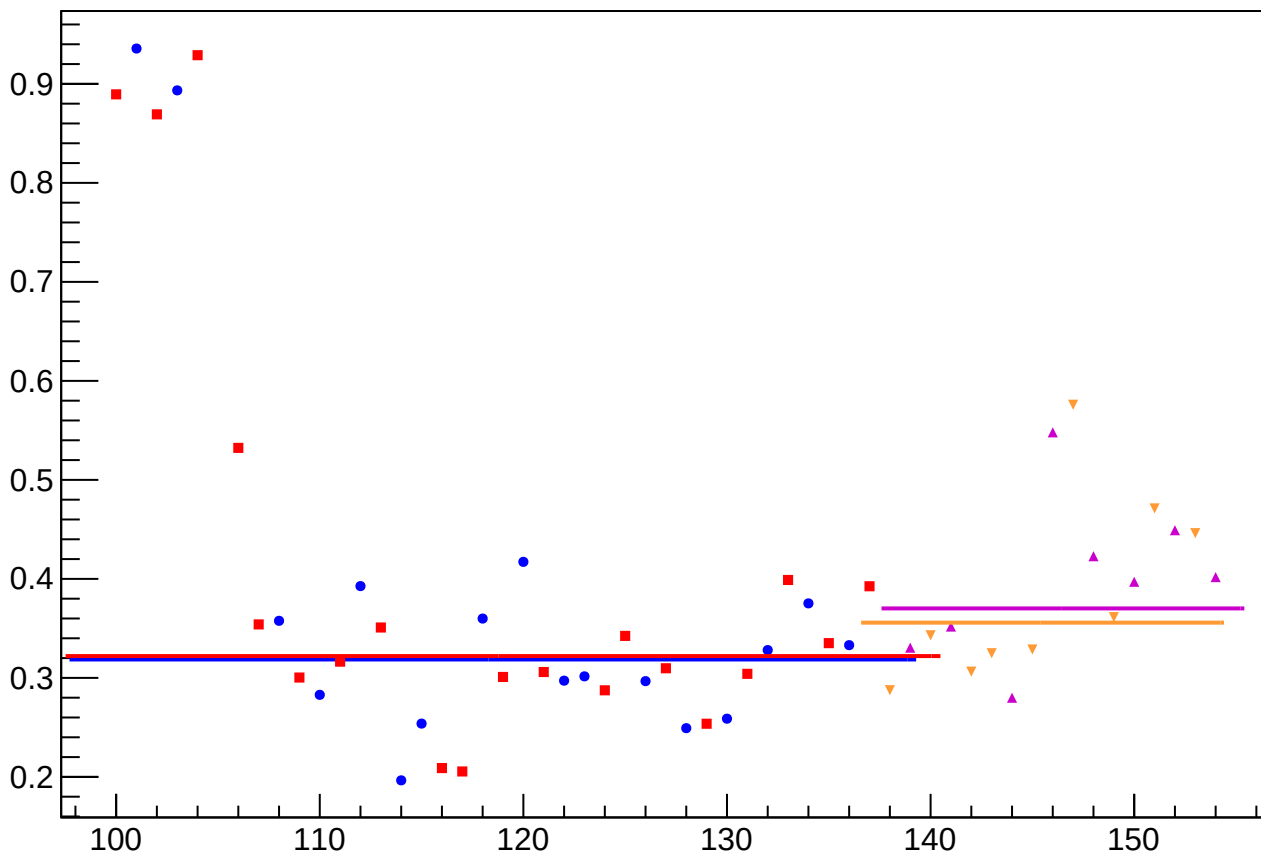
Right Out: 144.342 ± 0.000 χ^2/NDF : 4551365931.0/19

Left In: 148.922 ± 0.000 χ^2/NDF : 18187745.2/7

146.247 ± 0.000 χ^2/NDF : 4253082139.8/25

146.350 ± 0.000 χ^2/NDF : 5091045756.3/27

yield_bcm_an_ds3_rms vs Slug



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

Left Out: 0.356 ± 0.000 χ^2/NDF : 492211.3/8

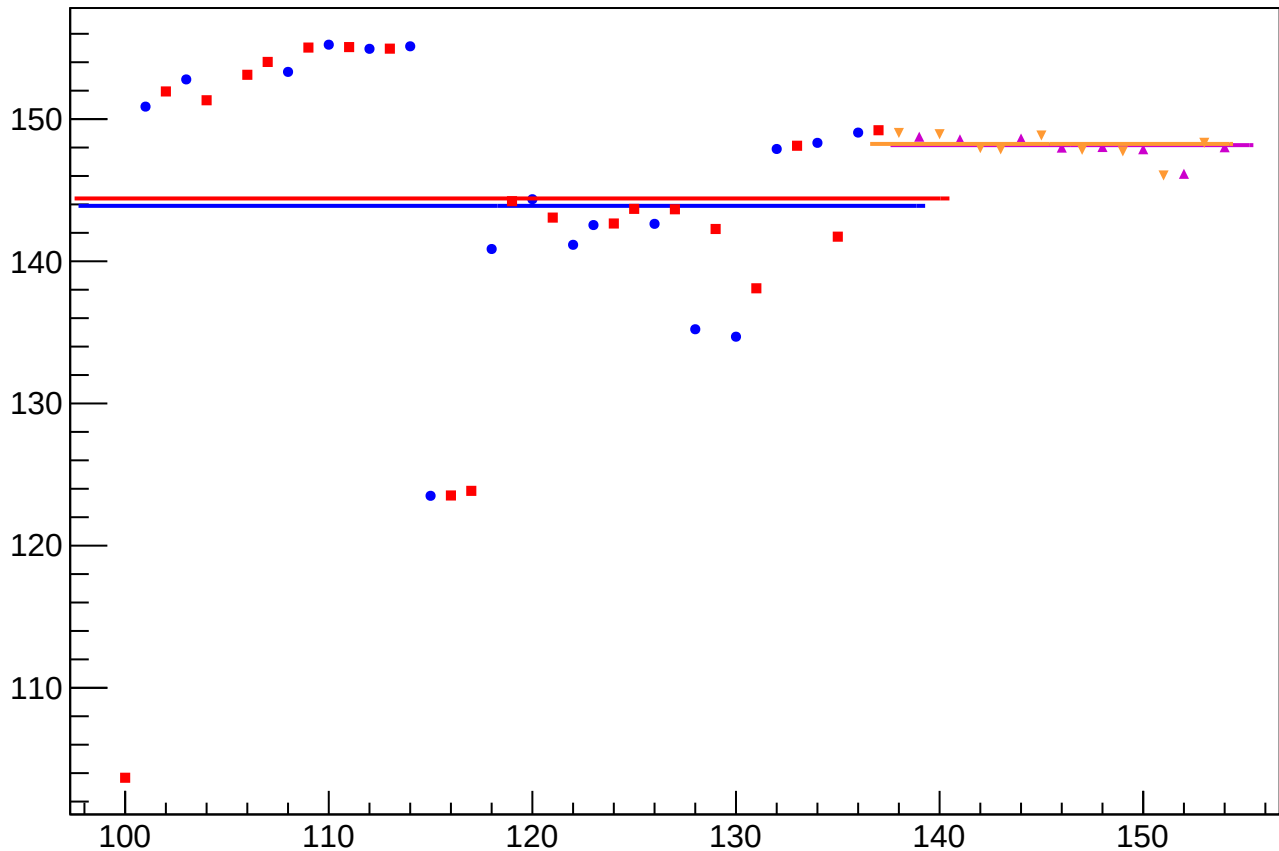
Right Out: 0.322 ± 0.000 χ^2/NDF : 1243109.0/19

Left In: 0.370 ± 0.000 χ^2/NDF : 452846.9/7

0.336 ± 0.000 χ^2/NDF : 1843644.9/25

0.343 ± 0.000 χ^2/NDF : 1811215.7/27

yield_bcm_an_us_mean vs Slug



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

Left Out: 148.254+/-0.000 χ^2/NDF : 30778700.1/8

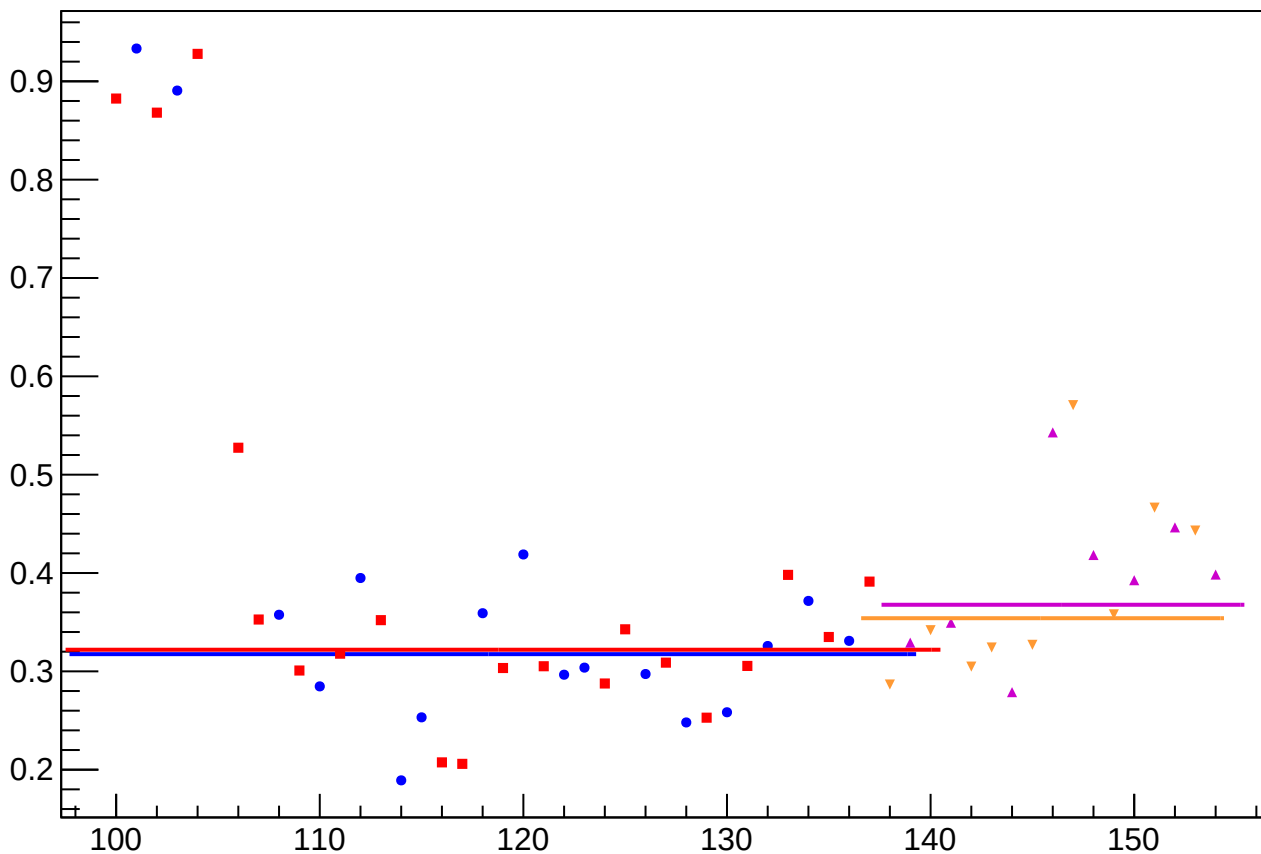
145.925+/-0.000 χ^2/NDF : 4269090873.2/25

Right Out: 144.419+/-0.000 χ^2/NDF : 4820290476.6/19

146.075+/-0.000 χ^2/NDF : 5195044413.6/27

Left In: 148.169+/-0.000 χ^2/NDF : 22197450.0/7

yield_bcm_an_us_rms vs Slug



Right In: 0.317+/-0.000 χ^2/NDF : 1293179.2/16

Left Out: 0.354+/-0.000 χ^2/NDF : 483226.2/8

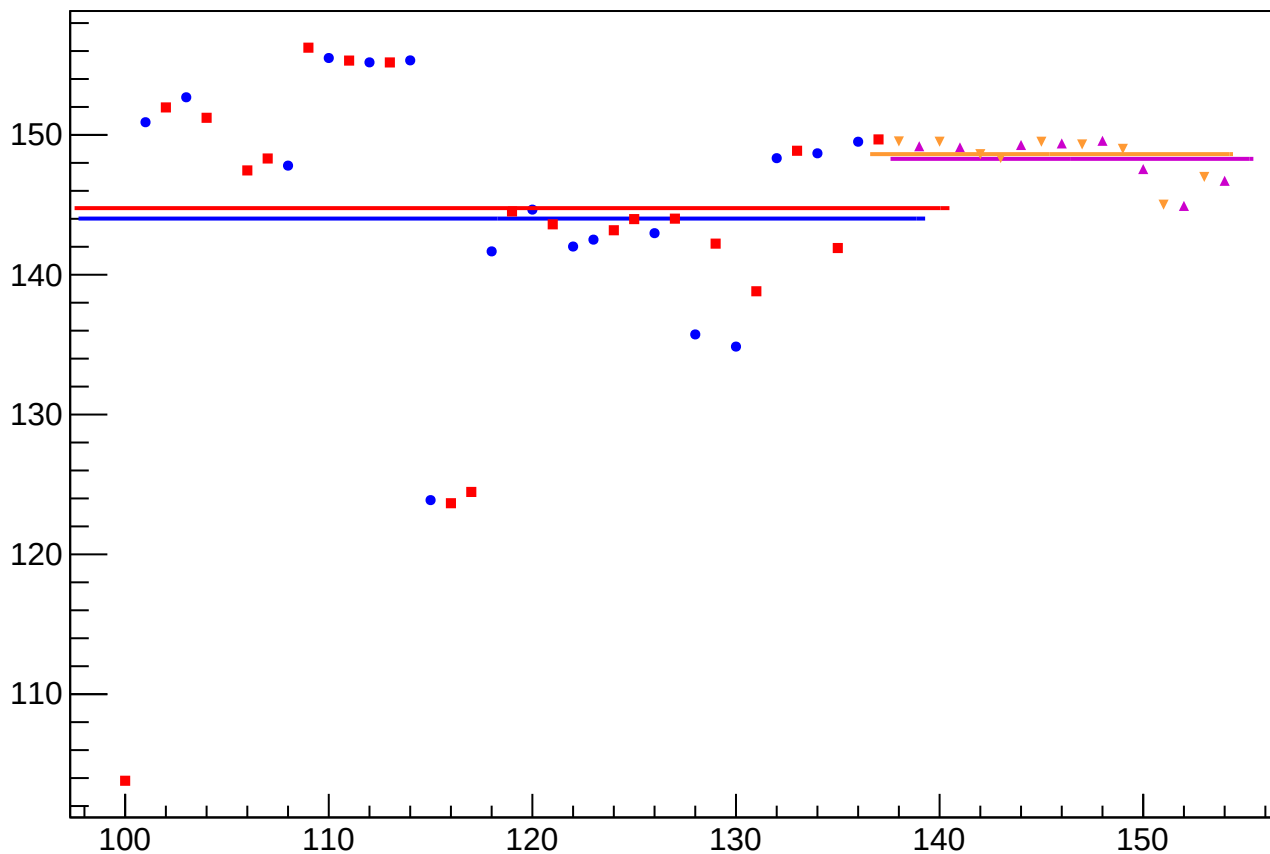
Right Out: 0.322+/-0.000 χ^2/NDF : 1243703.4/19

Left In: 0.368+/-0.000 χ^2/NDF : 444193.3/7

0.334+/-0.000 χ^2/NDF : 1845157.9/25

0.342+/-0.000 χ^2/NDF : 1792721.2/27

yield_bcm_dg_us_mean vs Slug



Right In: 144.018 $\pm$ 0.000 χ^2 /NDF: 3238525527.6/16

Left Out: 148.627 $\pm$ 0.000 χ^2 /NDF: 72345171.0/8

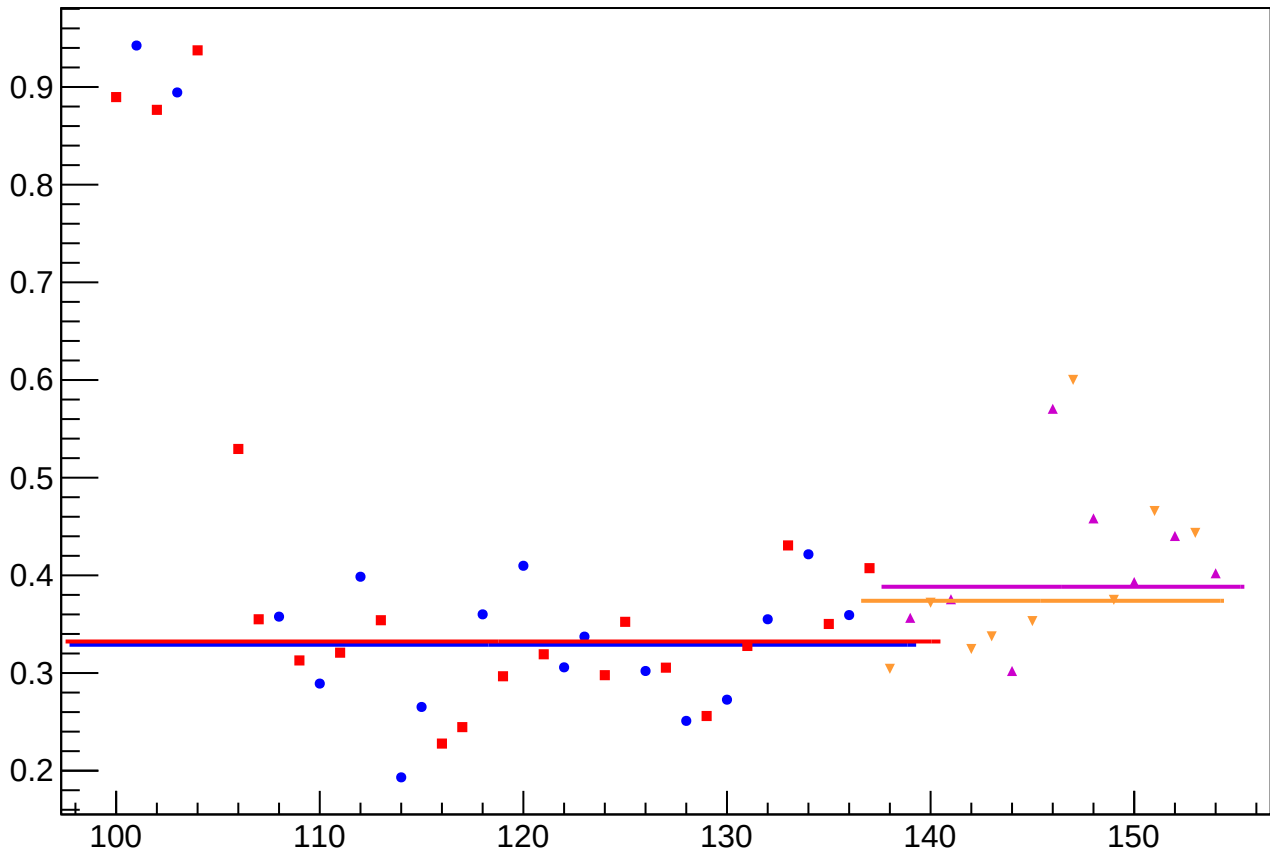
Right Out: 144.764 $\pm$ 0.000 χ^2 /NDF: 4098462011.9/19

Left In: 148.288 $\pm$ 0.000 χ^2 /NDF: 86651486.9/7

146.119 $\pm$ 0.000 χ^2 /NDF: 3808640082.1/25

146.283 $\pm$ 0.000 χ^2 /NDF: 4470615730.0/27

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.374 ± 0.000 χ^2/NDF : 414919.7/8

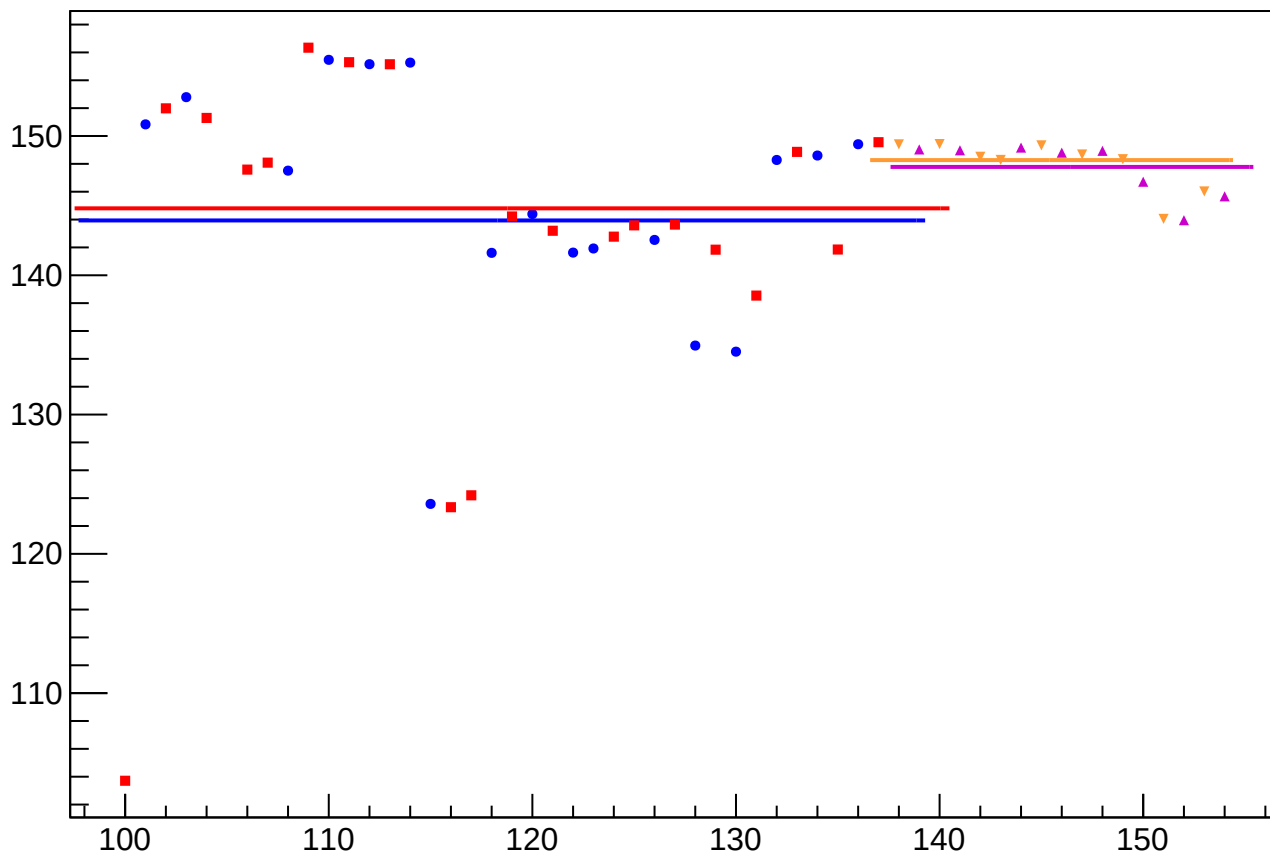
Right Out: 0.332 ± 0.000 χ^2/NDF : 1191637.2/19

Left In: 0.388 ± 0.000 χ^2/NDF : 366354.3/7

0.349 ± 0.000 χ^2/NDF : 1785934.8/25

0.356 ± 0.000 χ^2/NDF : 1702375.9/27

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 ± 0.000 χ^2/NDF : 3379203532.9/16

Left Out: 148.269 ± 0.000 χ^2/NDF : 104552102.1/8

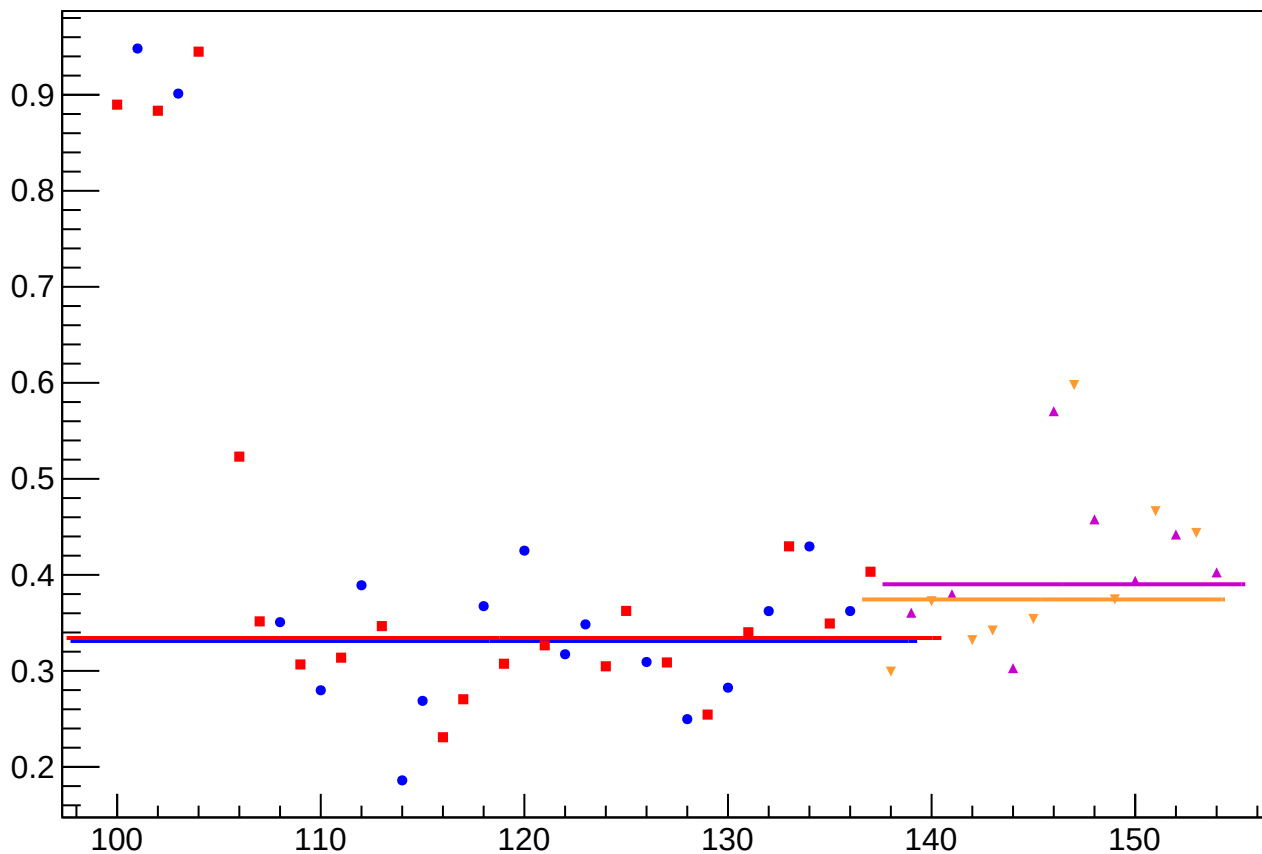
Right Out: 144.806 ± 0.000 χ^2/NDF : 4139087143.3/19

Left In: 147.780 ± 0.000 χ^2/NDF : 127089505.4/7

145.925 ± 0.000 χ^2/NDF : 3918867842.9/25

146.089 ± 0.000 χ^2/NDF : 4466967652.6/27

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331 ± 0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.374 ± 0.000 χ^2/NDF : 415533.3/8

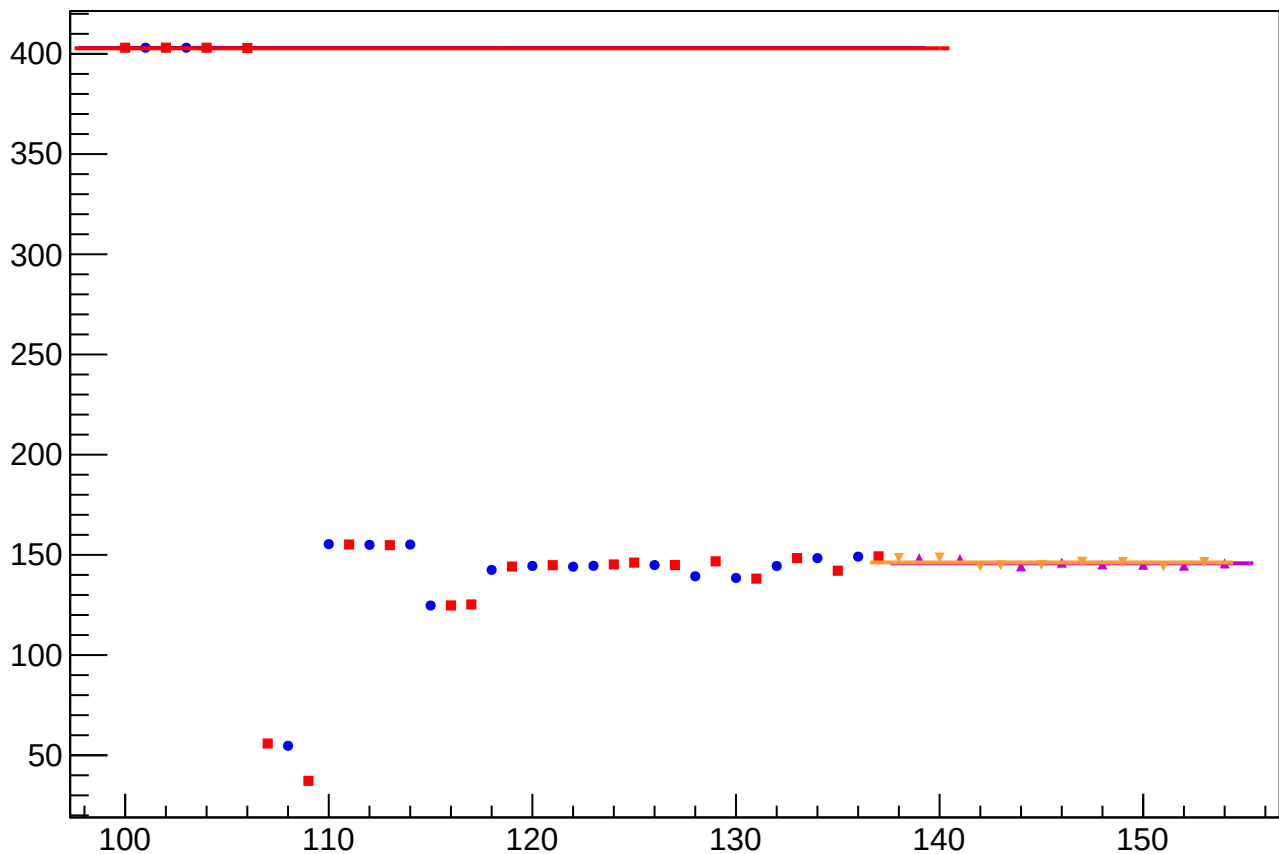
Right Out: 0.334 ± 0.000 χ^2/NDF : 1176170.4/19

Left In: 0.390 ± 0.000 χ^2/NDF : 358758.3/7

0.351 ± 0.000 χ^2/NDF : 1797886.9/25

0.358 ± 0.000 χ^2/NDF : 1677162.1/27

yield_cav4bQ_mean vs Slug



Right In: 402.957 $\pm$ 0.000 χ^2 /NDF: 1096710296821.6/16

Left Out: 146.215 $\pm$ 0.000 χ^2 /NDF: 30391557.4/8

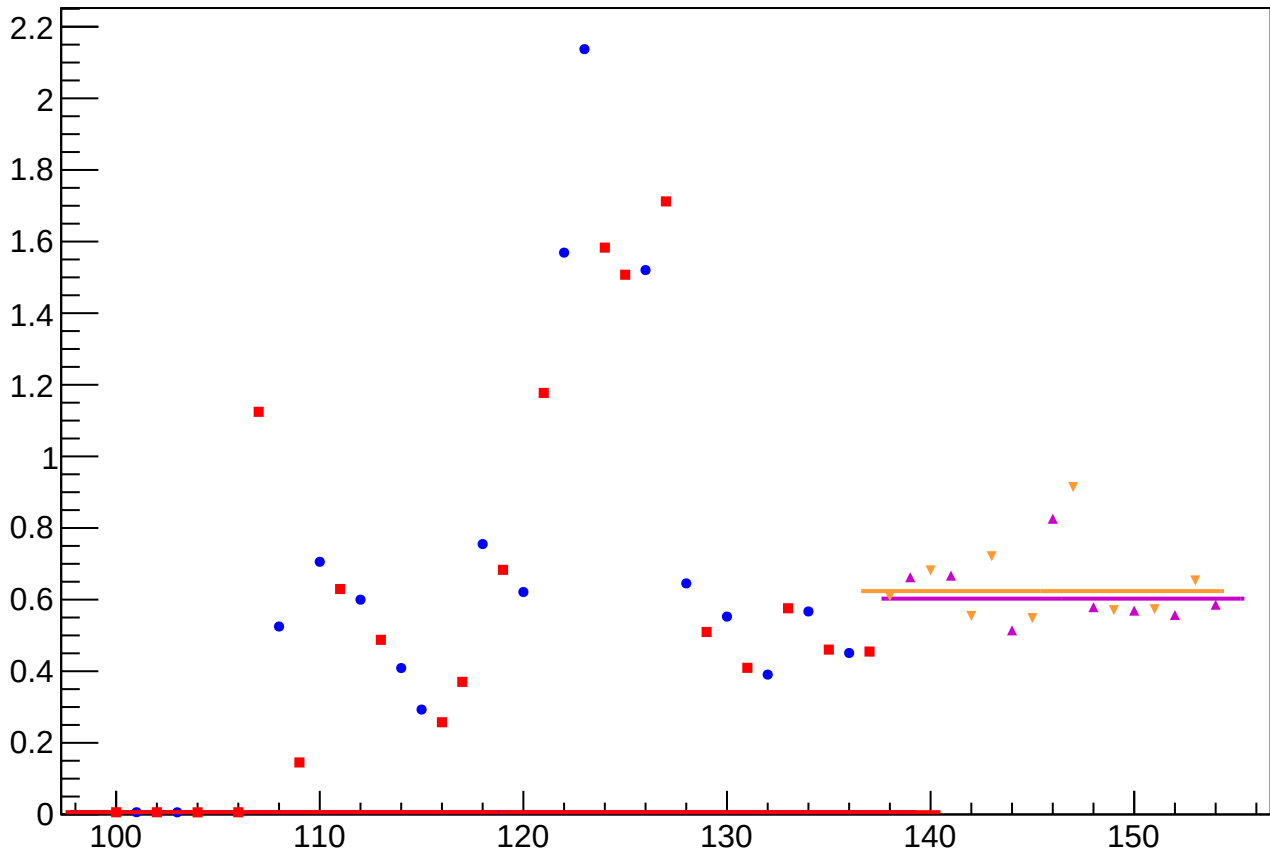
Right Out: 402.797 $\pm$ 0.000 χ^2 /NDF: 3122752044607.2/19

Left In: 145.789 $\pm$ 0.000 χ^2 /NDF: 23299583.6/7

402.866 $\pm$ 0.000 χ^2 /NDF: 1824484792771.4/25

402.710 $\pm$ 0.000 χ^2 /NDF: 3909092739875.3/27

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.624+/-0.000 χ^2/NDF :169783.7/8

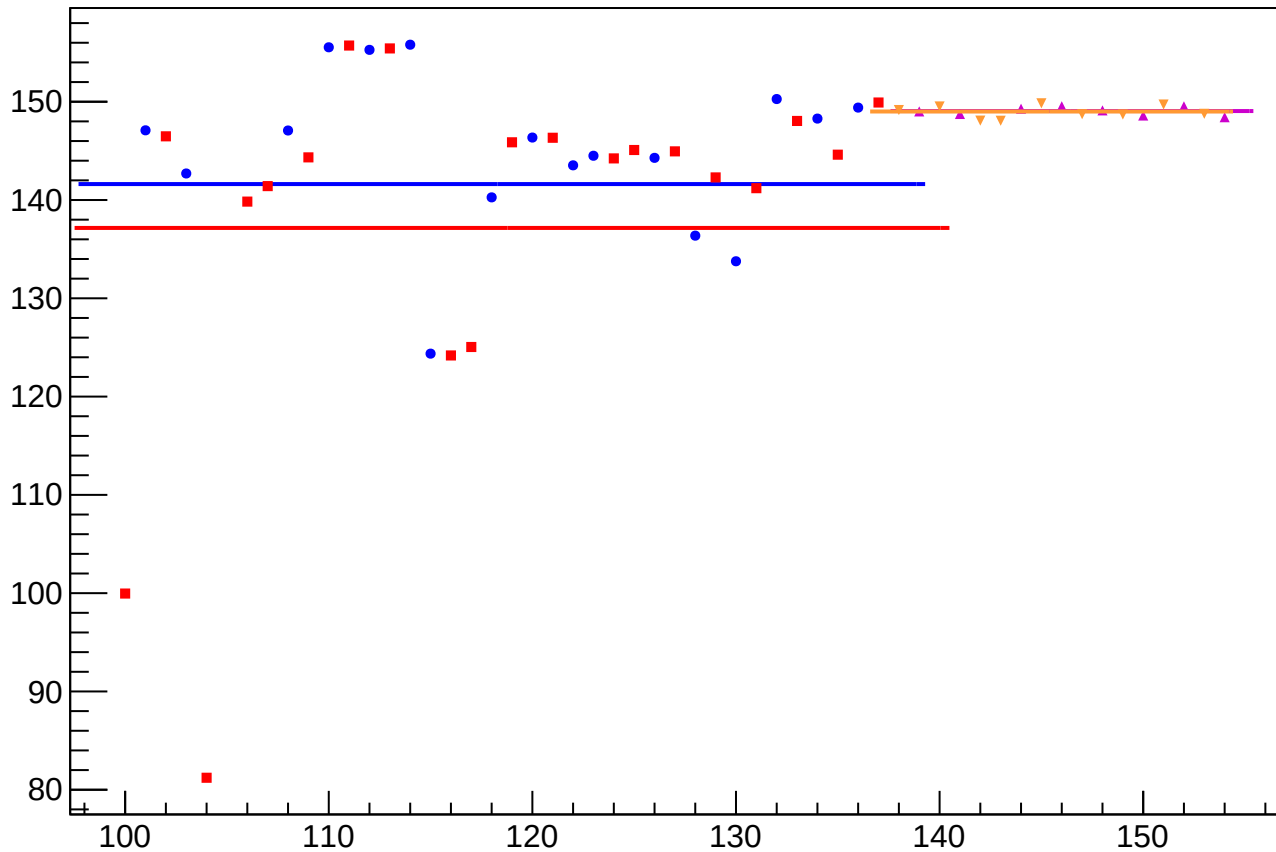
Right Out: 0.006+/-0.000 χ^2/NDF : 9277290.2/19

Left In: 0.603+/-0.000 χ^2/NDF :143185.1/7

0.007+/-0.000 χ^2/NDF : 17748774.4/25

0.007+/-0.000 χ^2/NDF : 17889207.2/27

yield_cav4cQ_mean vs Slug



Right In: 141.622 $\pm$ 0.000 χ^2 /NDF: 982037737.7/16

Left Out: 149.007 $\pm$ 0.000 χ^2 /NDF: 8387574.7/8

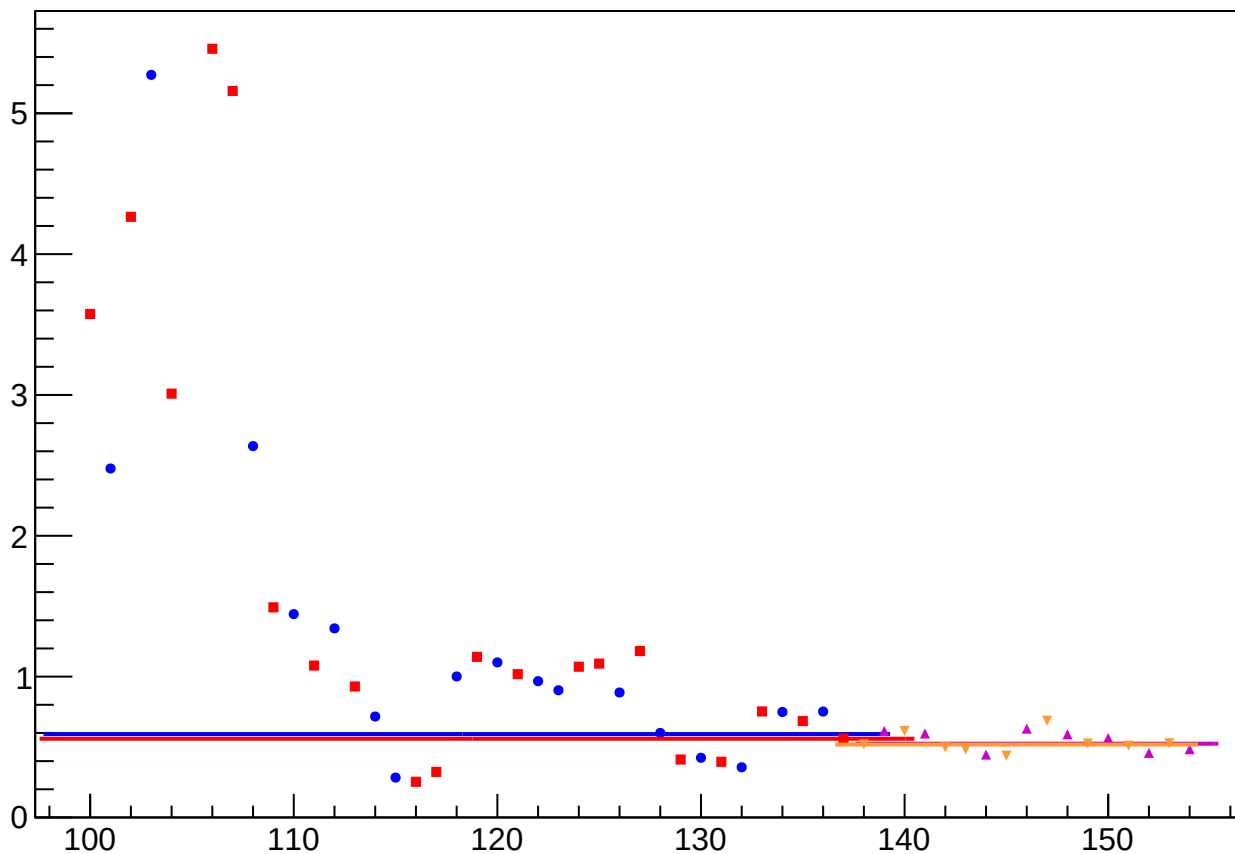
146.533 $\pm$ 0.000 χ^2 /NDF: 1357416629.4/25

Right Out: 137.160 $\pm$ 0.000 χ^2 /NDF: 1365742338.8/19

144.840 $\pm$ 0.000 χ^2 /NDF: 2369538541.2/27

Left In: 149.051 $\pm$ 0.000 χ^2 /NDF: 3572753.2/7

yield_cav4cQ_rms vs Slug



Right In: 0.592+/-0.000 χ^2/NDF : 3521577.2/16

Left Out: 0.518+/-0.000 χ^2/NDF :163409.1/8

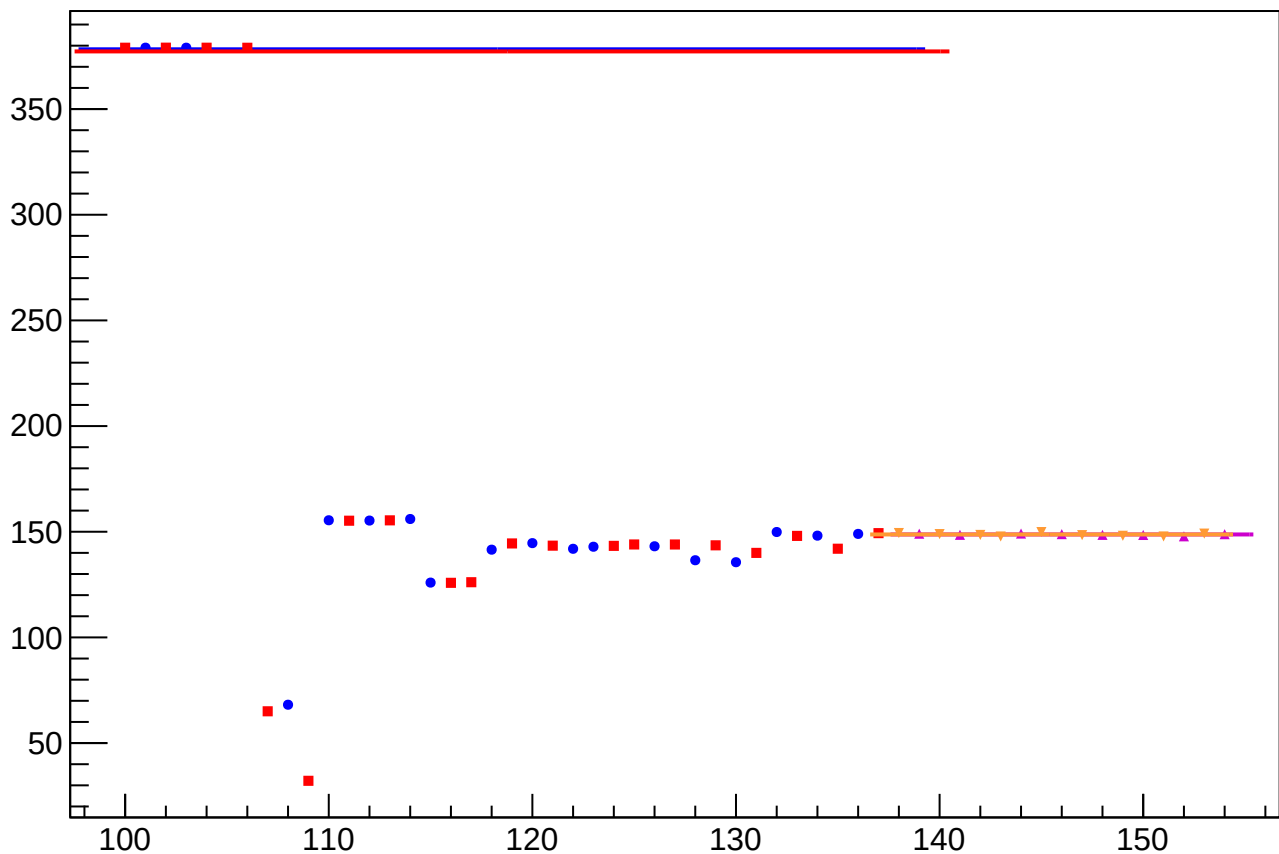
Right Out: 0.559+/-0.000 χ^2/NDF : 4719868.1/19

Left In: 0.524+/-0.000 χ^2/NDF :190733.7/7

0.543+/-0.000 χ^2/NDF : 3759924.3/25

0.536+/-0.000 χ^2/NDF : 4928049.9/27

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16

Left Out: 148.719+/-0.000 χ^2/NDF : 19525047.0/8

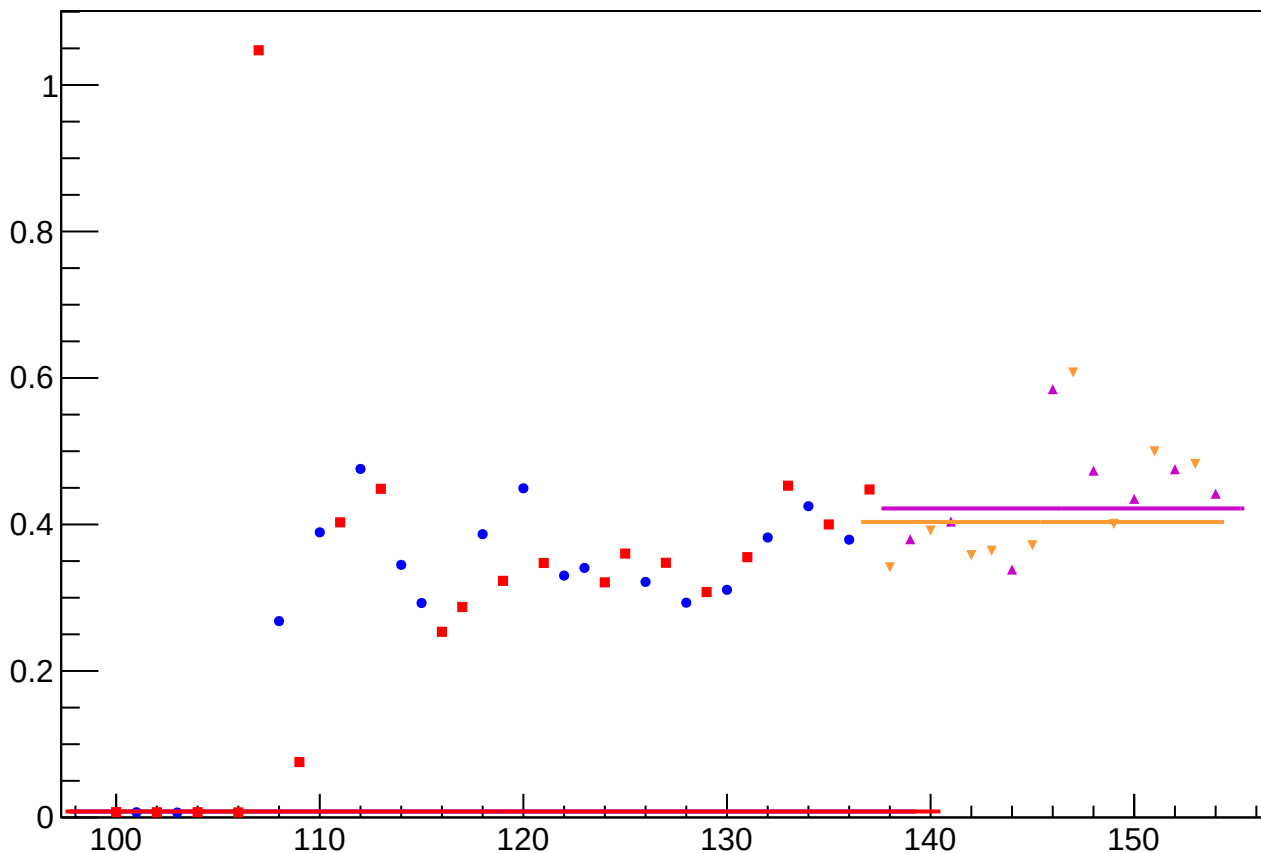
Right Out: 377.282+/-0.000 χ^2/NDF : 8306405788315.4/19

Left In: 148.716+/-0.000 χ^2/NDF : 5253853.8/7

377.633+/-0.000 χ^2/NDF : 4494294358952.8/25

376.760+/-0.000 χ^2/NDF : 10119696387992.3/2

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9885759.8/16

Left Out: 0.403 $\pm$ 0.000 χ^2 /NDF:350468.4/8

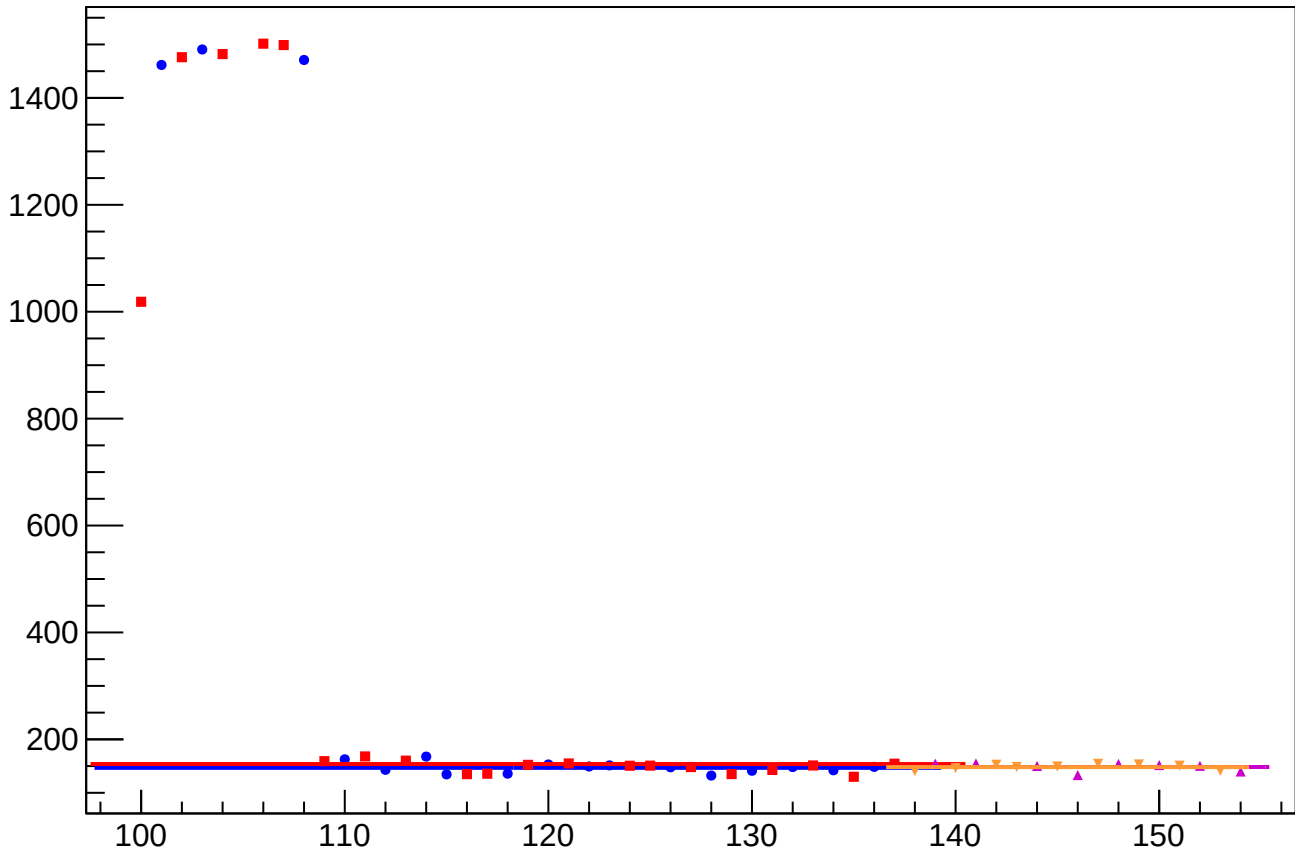
Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9601959.4/19

Left In: 0.422 $\pm$ 0.000 χ^2 /NDF:288342.1/7

0.009 $\pm$ 0.000 χ^2 /NDF: 21991316.4/25

0.009 $\pm$ 0.000 χ^2 /NDF: 21771482.5/27

yield_bcm0l02_mean vs Slug



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 148.123+/-0.000 χ^2/NDF : 157343802.9/8

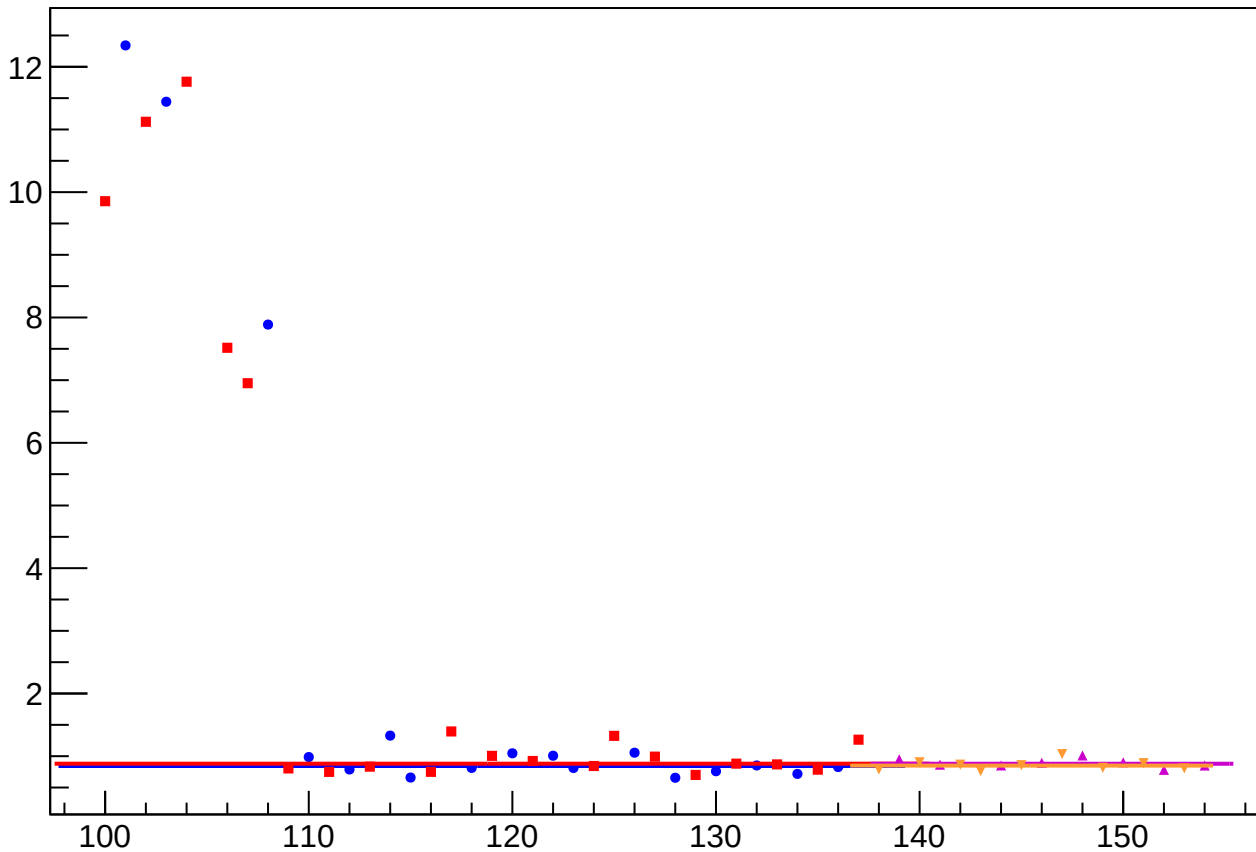
Right Out: 153.818+/-0.000 χ^2/NDF : 33744777744.4/19

Left In: 148.278+/-0.000 χ^2/NDF : 362664146.8/7

147.513+/-0.000 χ^2/NDF : 24514138382.1/25

150.726+/-0.000 χ^2/NDF : 34198408977.0/27

yield_bcm0l02_rms vs Slug



Right In: 0.844 ± 0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.850 ± 0.000 χ^2/NDF : 74251.7/8

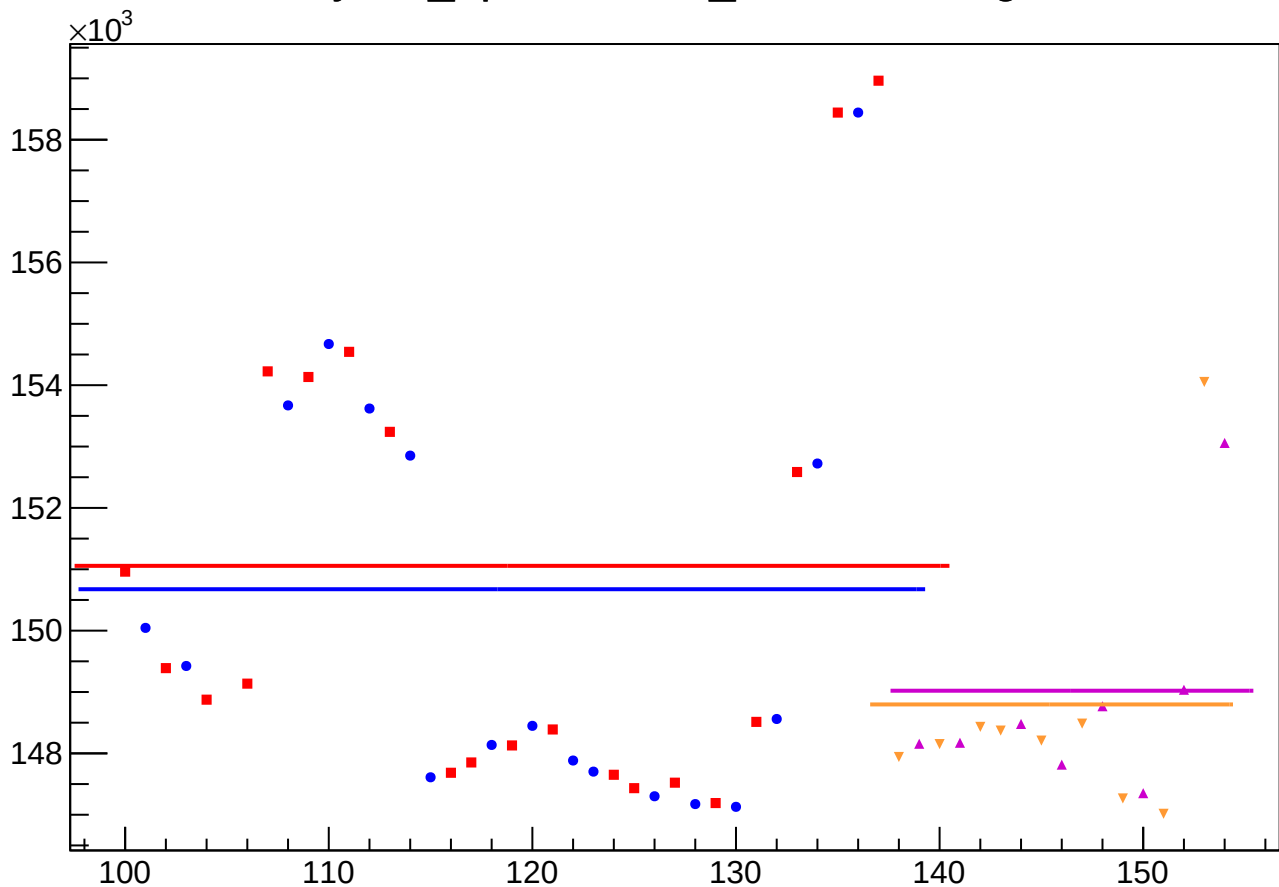
Right Out: 0.880 ± 0.000 χ^2/NDF : 2823230.1/19

Left In: 0.879 ± 0.000 χ^2/NDF : 55109.3/7

0.847 ± 0.000 χ^2/NDF : 2744953.3/25

0.880 ± 0.000 χ^2/NDF : 2878344.3/27

yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 $\pm$ 0.063 χ^2 /NDF: 3309974859.4/16

Left Out: 148797.582 $\pm$ 0.073 χ^2 /NDF: 884765906.4/8

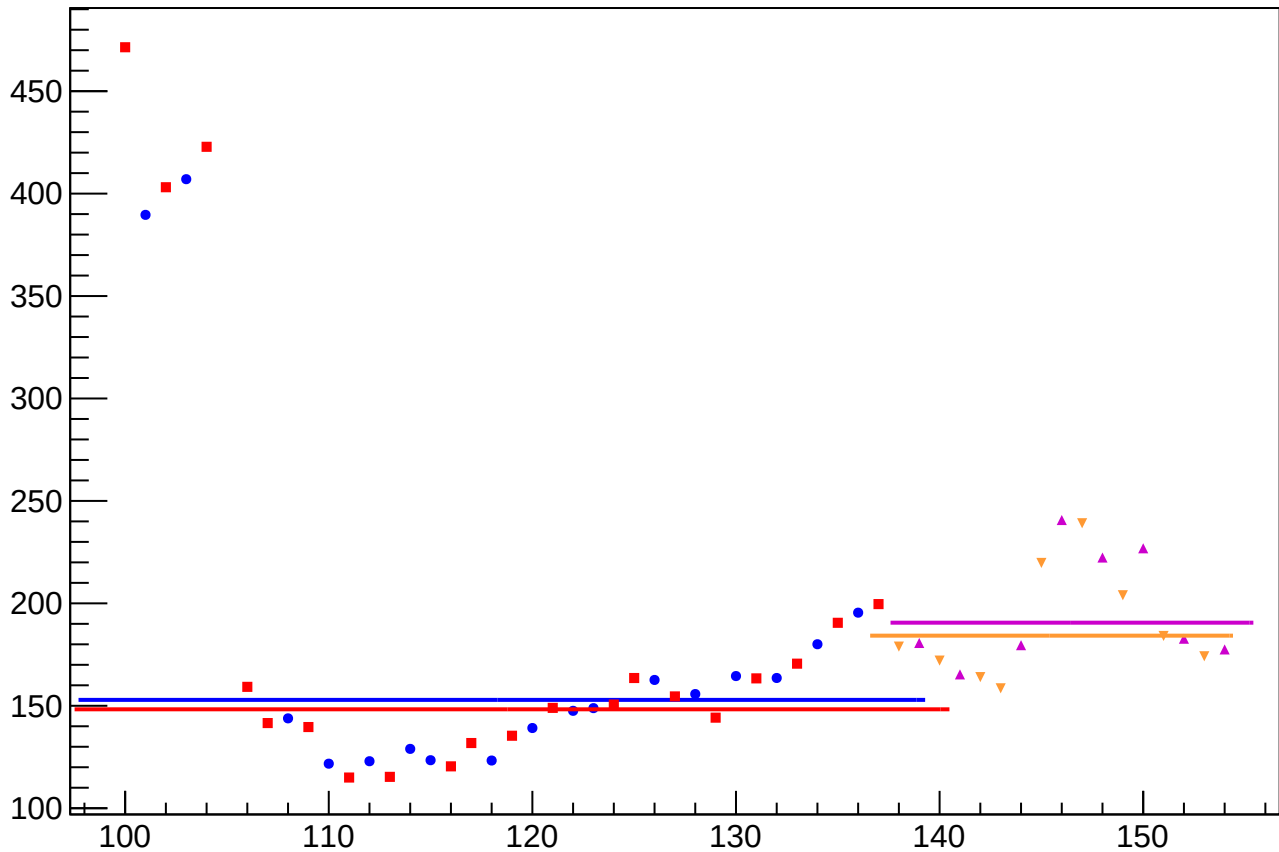
Right Out: 151056.044 $\pm$ 0.059 χ^2 /NDF: 3325519080.9/19

Left In: 149021.023 $\pm$ 0.076 χ^2 /NDF: 540245843.3/7

149872.269 $\pm$ 0.048 χ^2 /NDF: 4574930737.1/25

150279.624 $\pm$ 0.047 χ^2 /NDF: 4312974310.7/27

yield_bpm0i01WS_rms vs Slug



Right In: 152.883 $\pm$ 0.045 χ^2 /NDF: 1154088.7/16

Left Out: 184.234 $\pm$ 0.052 χ^2 /NDF:198435.0/8

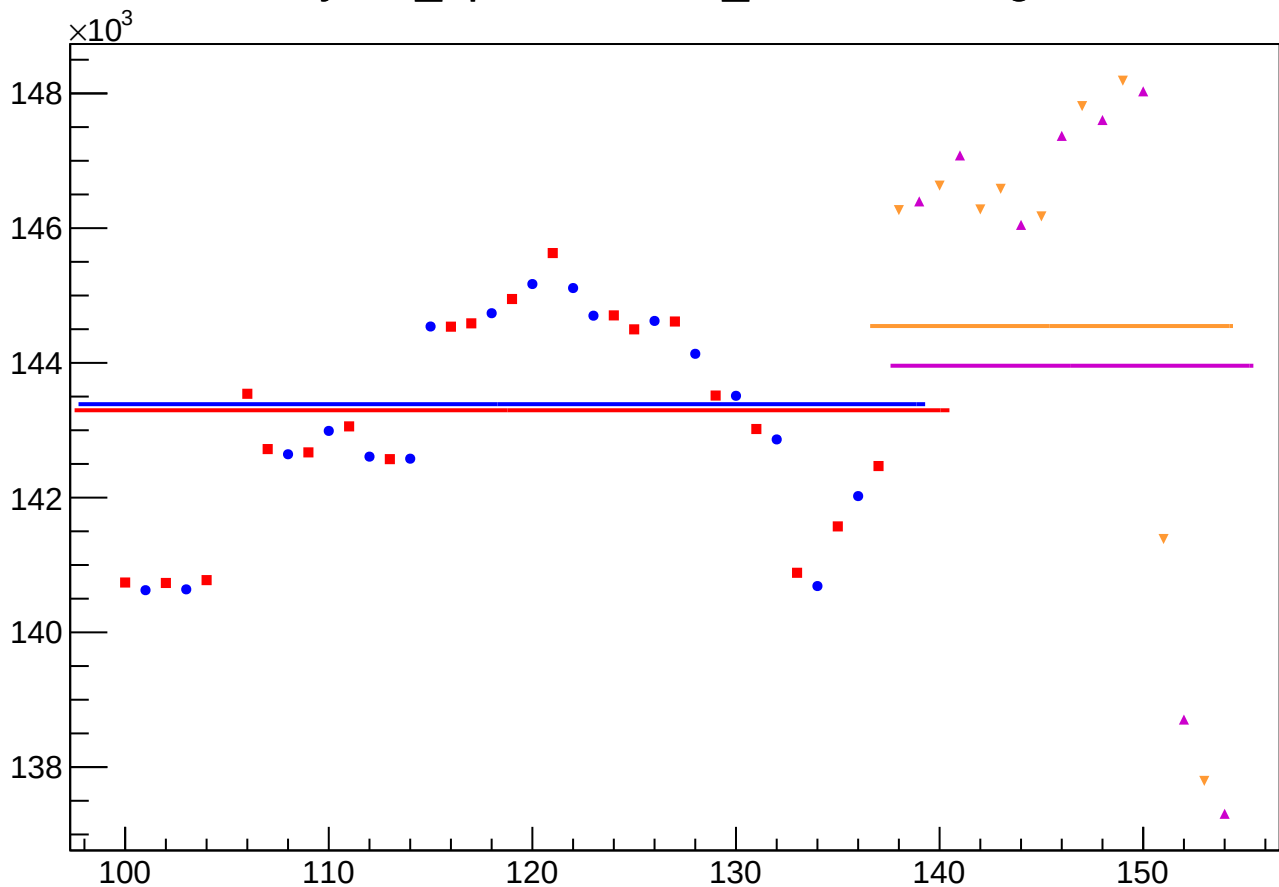
166.288 $\pm$ 0.034 χ^2 /NDF: 1564552.9/25

Right Out: 148.278 $\pm$ 0.042 χ^2 /NDF: 1192879.8/19

164.412 $\pm$ 0.033 χ^2 /NDF: 1785322.0/27

Left In: 190.565 $\pm$ 0.054 χ^2 /NDF:206234.0/7

yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099 $\pm$ 0.053 χ^2 /NDF: 521299875.7/16

Left Out: 144546.969 $\pm$ 0.071 χ^2 /NDF: 2545641314.2/8

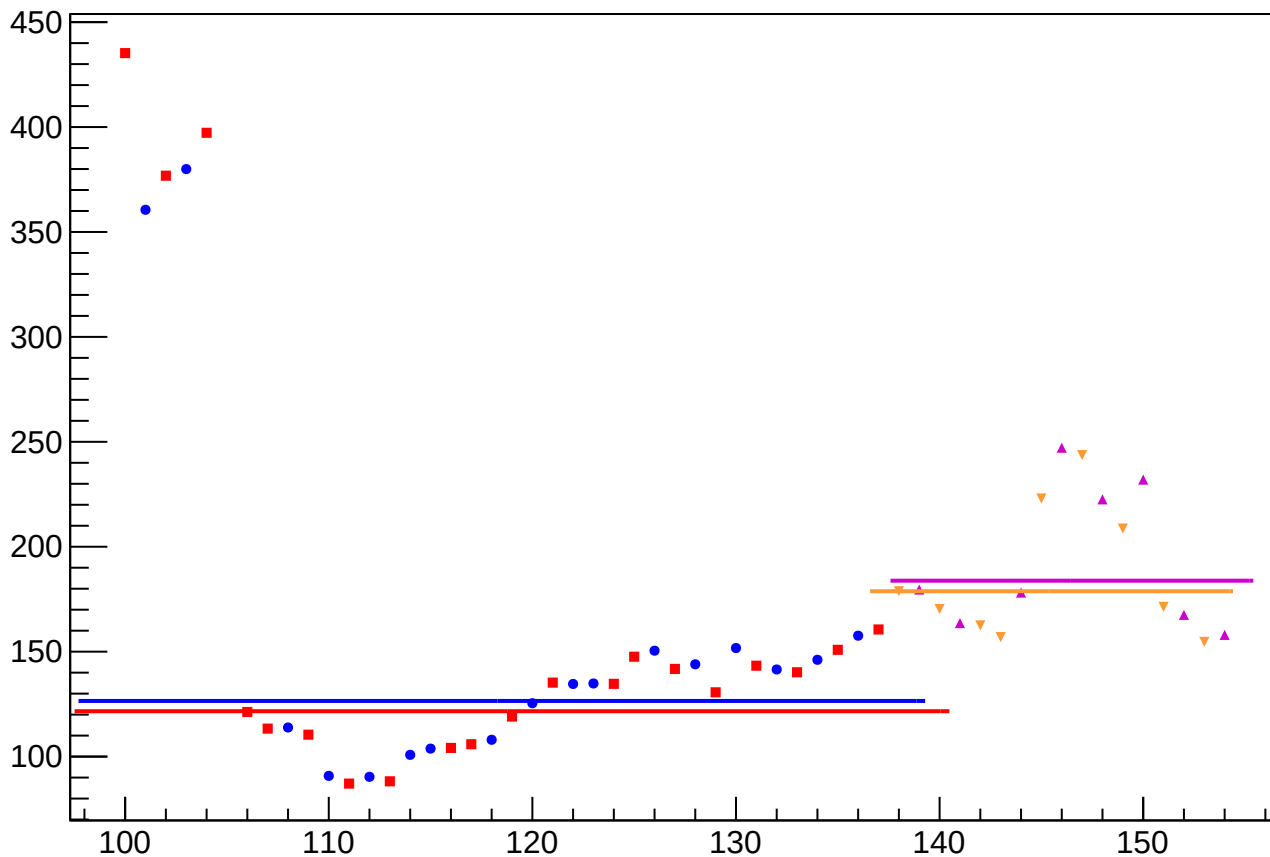
Right Out: 143296.790 $\pm$ 0.049 χ^2 /NDF: 615134284.0/19

Left In: 143957.840 $\pm$ 0.073 χ^2 /NDF: 3430329349.5/7

143798.984 $\pm$ 0.042 χ^2 /NDF: 3238799392.7/25

143499.780 $\pm$ 0.041 χ^2 /NDF: 4101641624.5/27

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 $\pm$ 0.037 χ^2 /NDF: 1441685.0/16

Left Out: 178.800 $\pm$ 0.050 χ^2 /NDF:281470.1/8

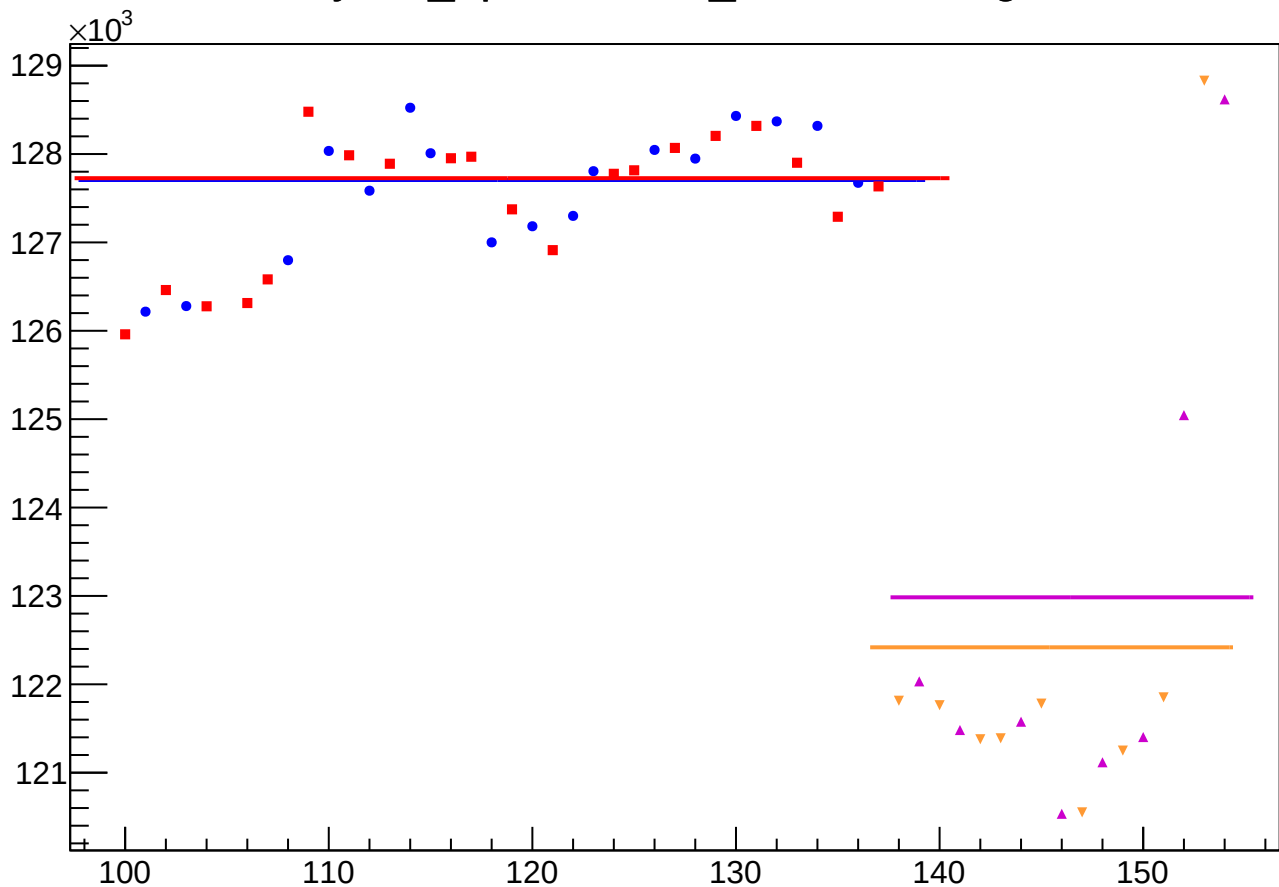
145.081 $\pm$ 0.030 χ^2 /NDF: 2421633.7/25

Right Out: 121.625 $\pm$ 0.035 χ^2 /NDF: 1465763.8/19

140.723 $\pm$ 0.029 χ^2 /NDF: 2772322.6/27

Left In: 183.818 $\pm$ 0.052 χ^2 /NDF:312055.7/7

yield_bpm0l01WS_mean vs Slug



Right In: 127706.194 $\pm$ 0.058 χ^2 /NDF: 97860521.1/16

Left Out: 122418.482 $\pm$ 0.065 χ^2 /NDF: 1365909907.0/8

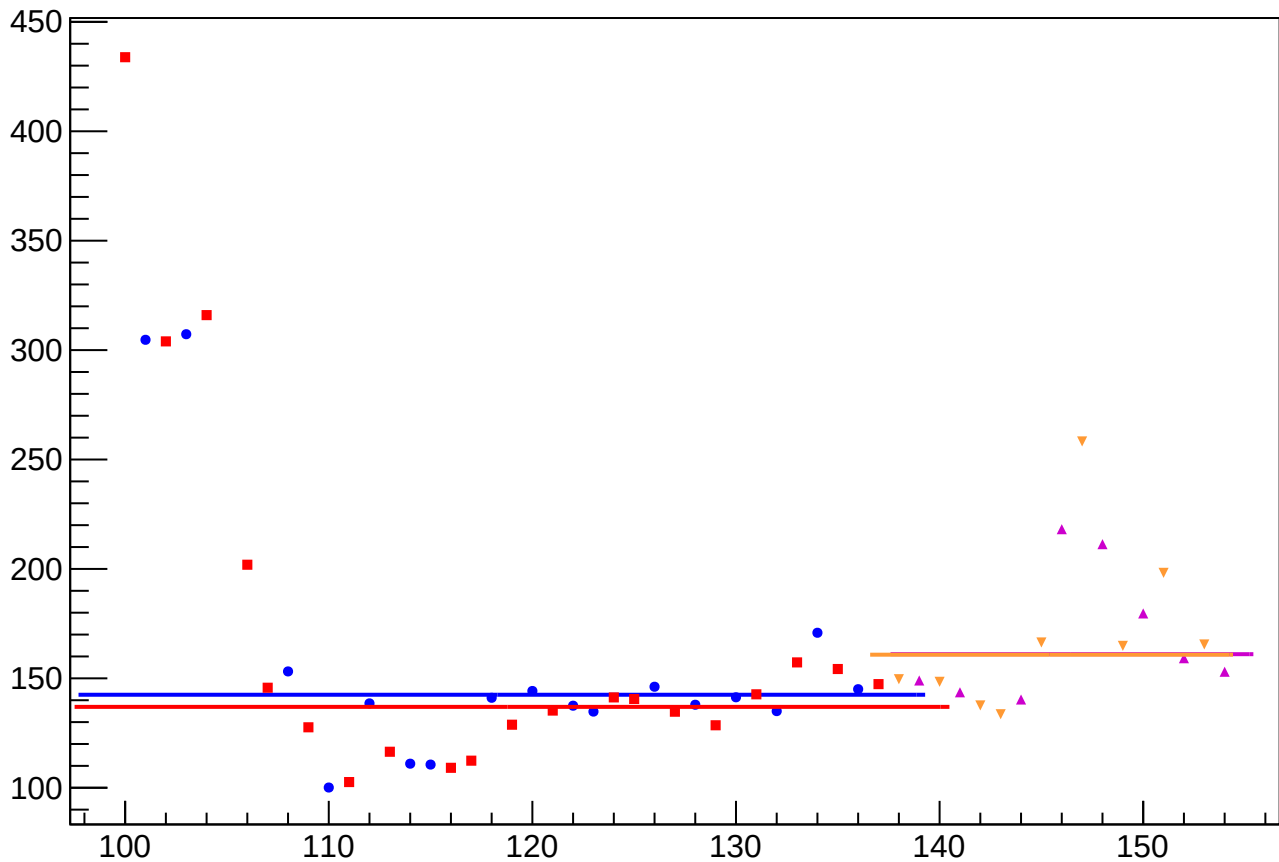
Right Out: 127726.708 $\pm$ 0.054 χ^2 /NDF: 112816704.3/19

Left In: 122984.228 $\pm$ 0.065 χ^2 /NDF: 1671284434.9/7

125348.966 $\pm$ 0.043 χ^2 /NDF: 5161423473.5/25

125767.174 $\pm$ 0.042 χ^2 /NDF: 4941288425.1/27

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 $\pm$ 0.041 χ^2 /NDF: 836263.7/16

Left Out: 160.810 $\pm$ 0.046 χ^2 /NDF: 373493.9/8

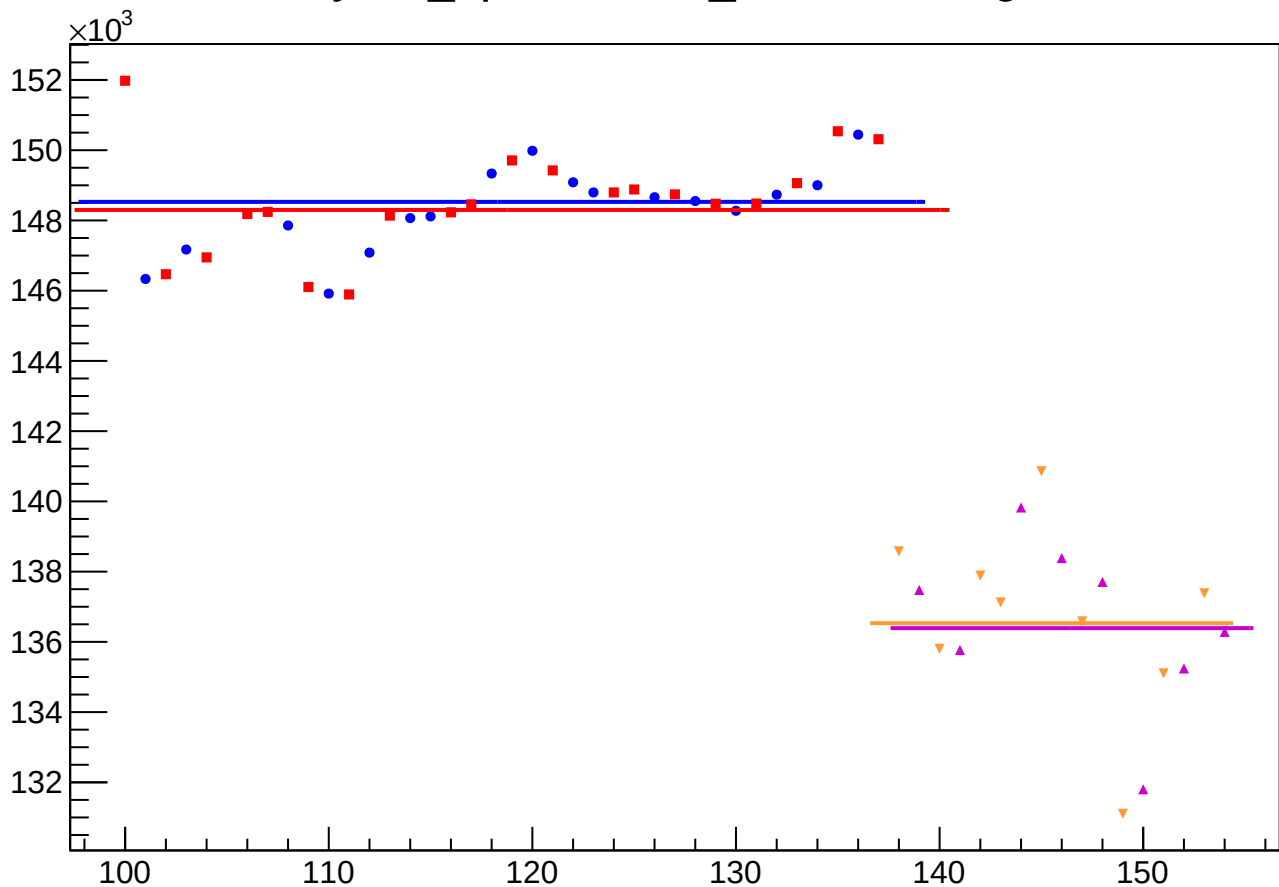
Right Out: 136.963 $\pm$ 0.038 χ^2 /NDF: 961465.0/19

Left In: 161.039 $\pm$ 0.046 χ^2 /NDF: 286347.3/7

150.663 $\pm$ 0.031 χ^2 /NDF: 1298412.3/25

146.911 $\pm$ 0.029 χ^2 /NDF: 1410544.7/27

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 ± 0.082 χ^2/NDF : 209986594.2/16

Left Out: 136531.803 ± 0.098 χ^2/NDF : 734956323.5/8

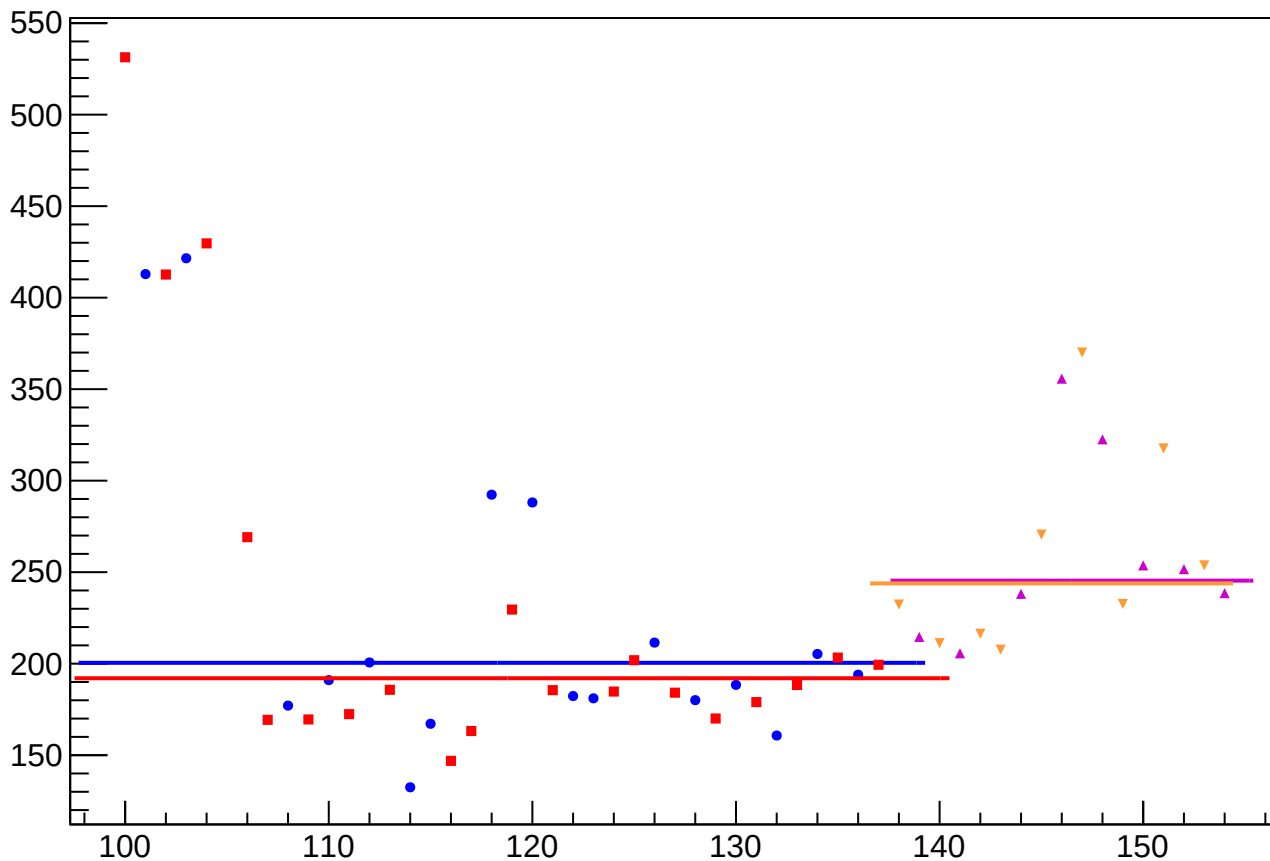
Right Out: 148298.586 ± 0.076 χ^2/NDF : 293284830.9/19

Left In: 136391.542 ± 0.098 χ^2/NDF : 532860794.6/7

143562.671 ± 0.063 χ^2/NDF : 9790397597.8/25

143839.842 ± 0.060 χ^2/NDF : 10002339505.2/2

yield_bpm0l02WS_rms vs Slug



Right In: 200.472+/-0.058 χ^2/NDF : 936547.2/16

Left Out: 243.851+/-0.069 χ^2/NDF : 376702.2/8

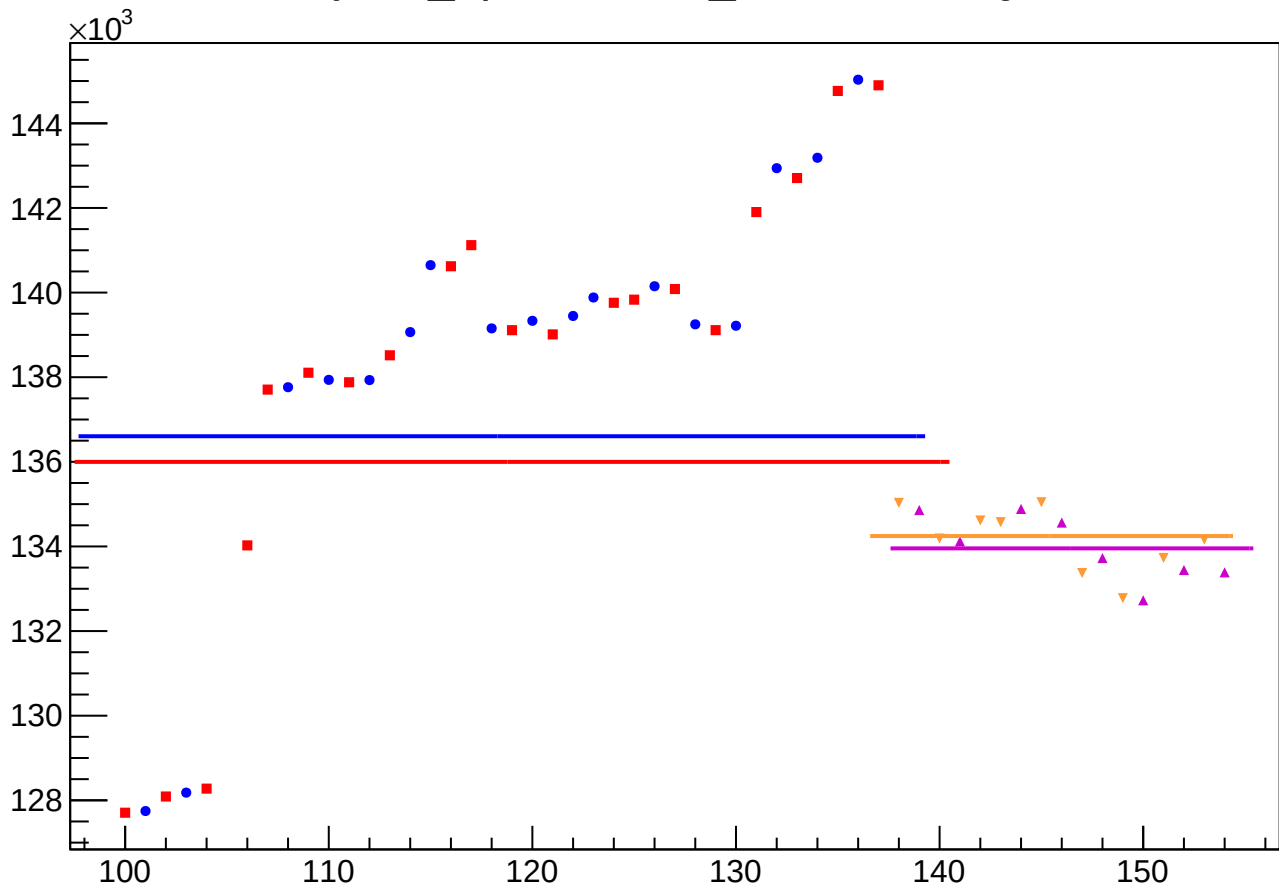
Right Out: 192.040+/-0.054 χ^2/NDF : 847133.0/19

Left In: 245.376+/-0.070 χ^2/NDF : 334079.7/7

218.429+/-0.044 χ^2/NDF : 1544539.1/25

212.012+/-0.043 χ^2/NDF : 1549439.5/27

yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16

Left Out: 134245.714 $\pm$ 0.213 χ^2 /NDF: 10313120.4/8

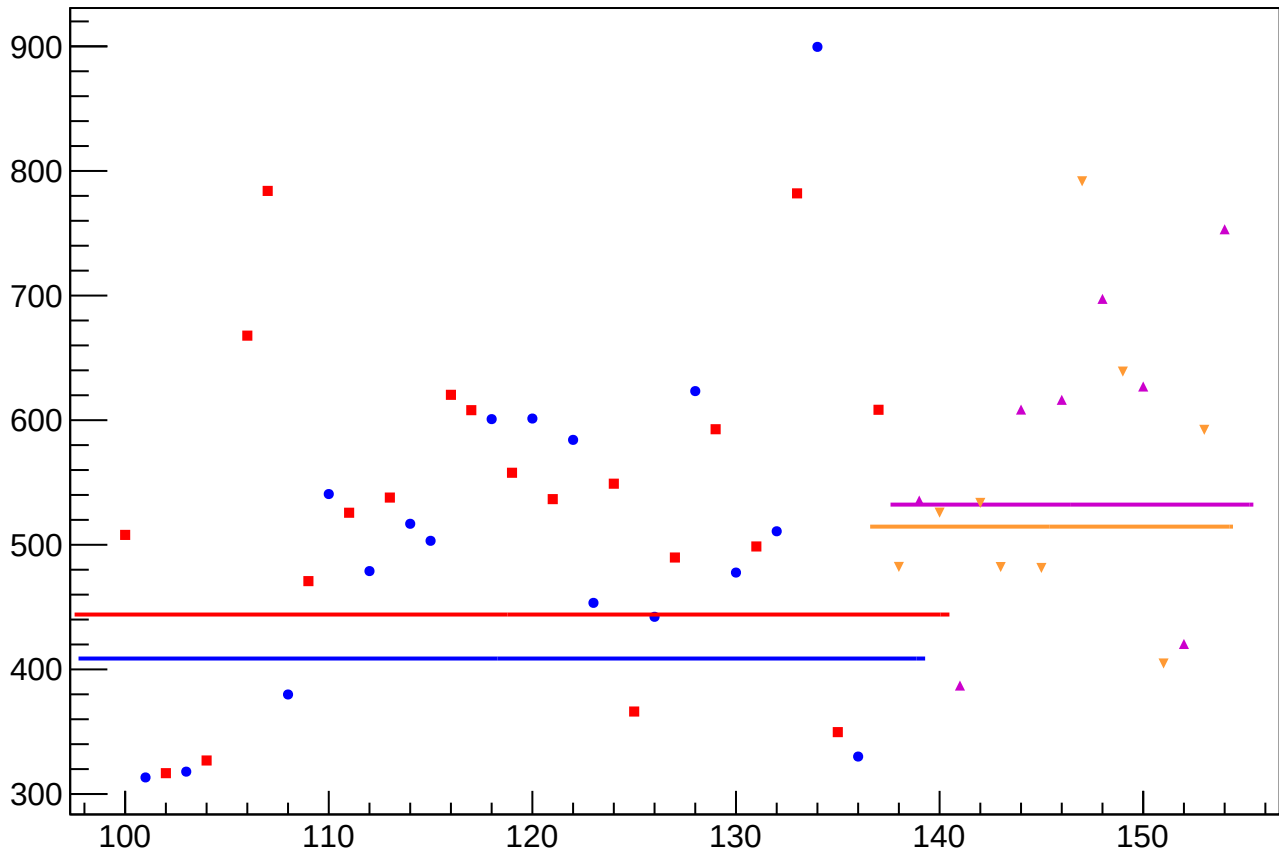
Right Out: 135998.851 $\pm$ 0.182 χ^2 /NDF: 1084895879.4/19

Left In: 133954.270 $\pm$ 0.231 χ^2 /NDF: 8644033.7/7

135677.222 $\pm$ 0.134 χ^2 /NDF: 1579100914.2/25

135212.394 $\pm$ 0.143 χ^2 /NDF: 1141872000.3/27

yield_bpm0l03WS_rms vs Slug



Right In: 408.729 ± 0.121 χ^2/NDF : 823262.8/16

Left Out: 514.578 ± 0.151 χ^2/NDF : 375278.6/8

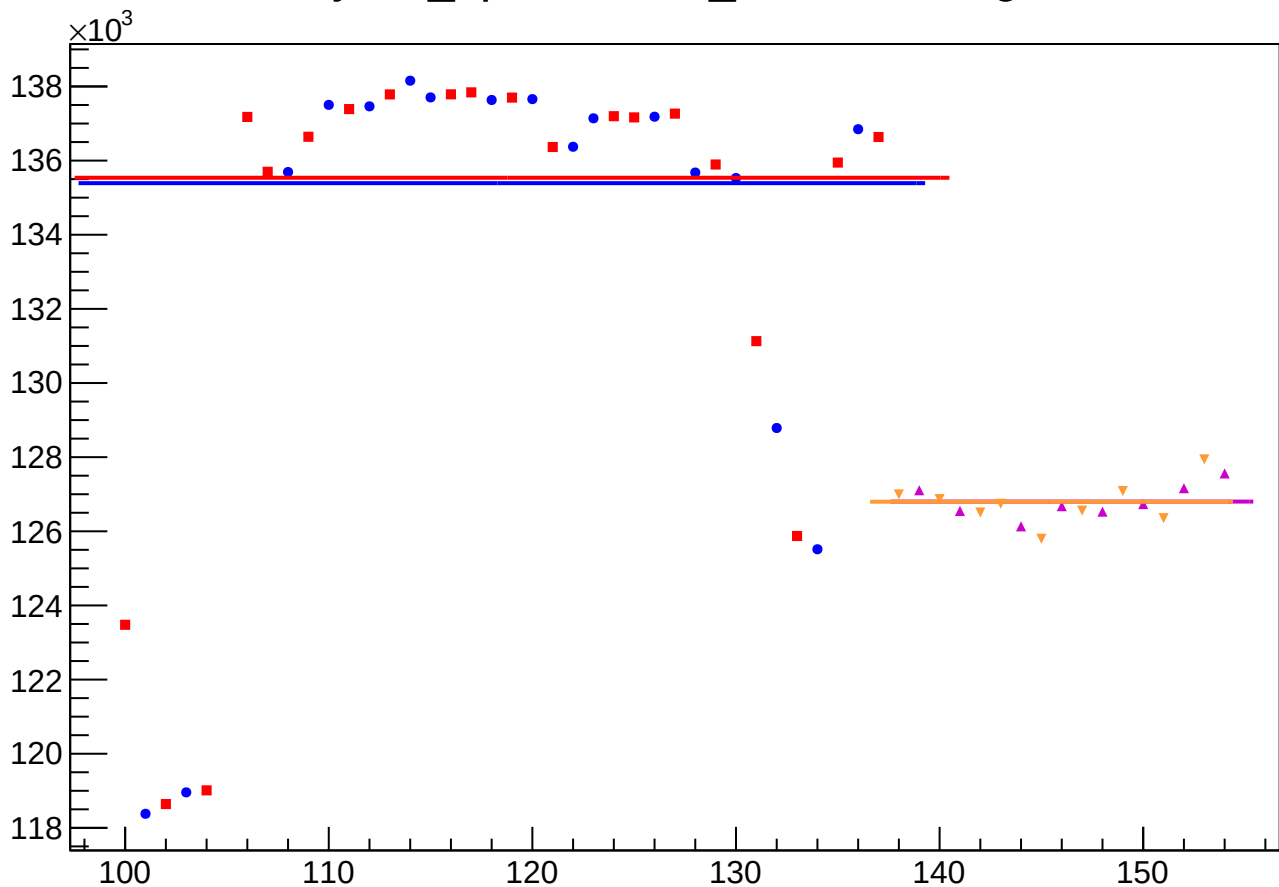
Right Out: 444.034 ± 0.129 χ^2/NDF : 922545.8/19

Left In: 532.248 ± 0.163 χ^2/NDF : 566474.9/7

450.344 ± 0.094 χ^2/NDF : 1498281.8/25

477.966 ± 0.101 χ^2/NDF : 1668963.4/27

yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2/NDF : 4580024611.0/16

Left Out: 126798.567 $\pm$ 0.070 χ^2/NDF : 64265287.8/8

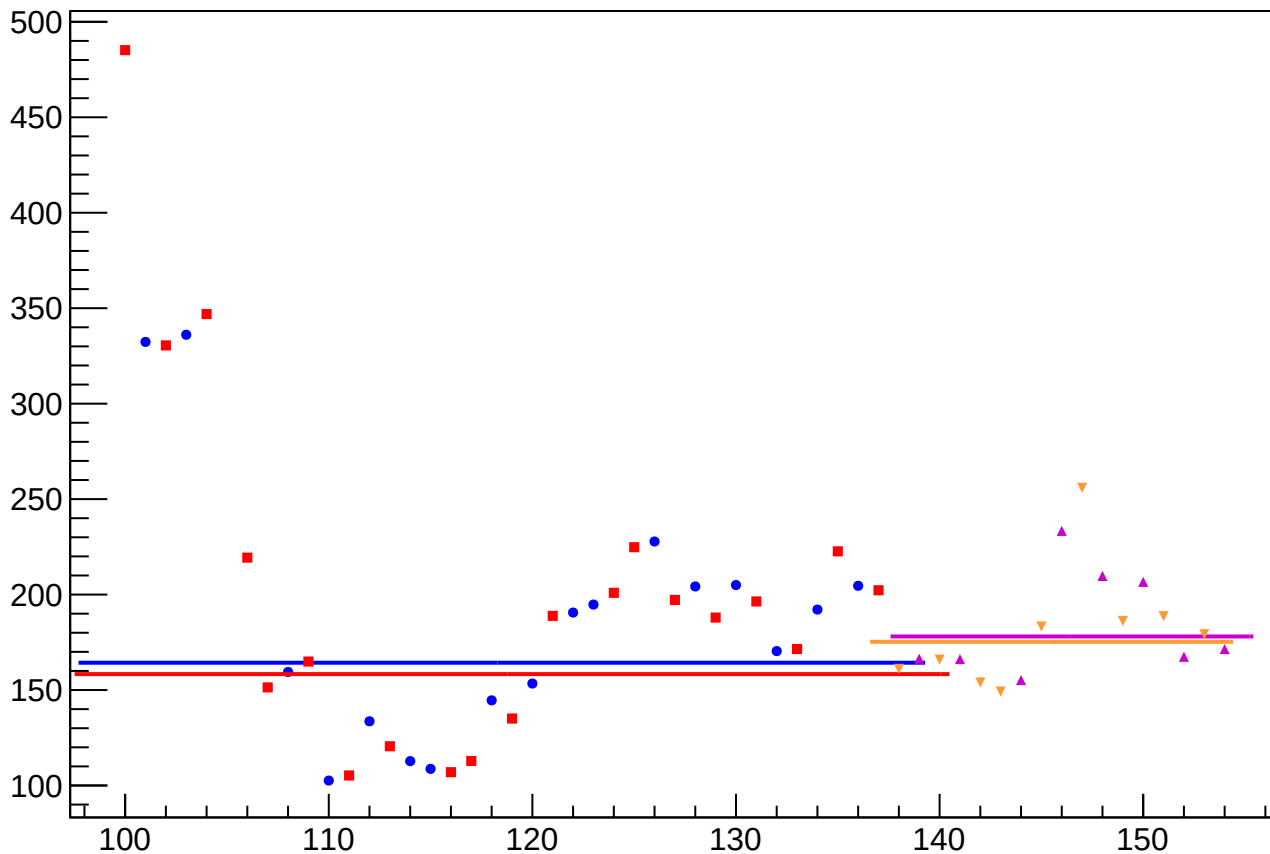
Right Out: 135537.290 $\pm$ 0.064 χ^2/NDF : 4748951957.4/19

Left In: 126801.787 $\pm$ 0.071 χ^2/NDF : 41322301.2/7

131183.672 $\pm$ 0.049 χ^2/NDF : 12403402789.2/2

131623.068 $\pm$ 0.048 χ^2/NDF : 13153192139.8/2

yield_bpm0l04WS_rms vs Slug



Right In: 164.311 ± 0.048 χ^2/NDF : 1230487.8/16

Left Out: 175.273 ± 0.049 χ^2/NDF : 242823.1/8

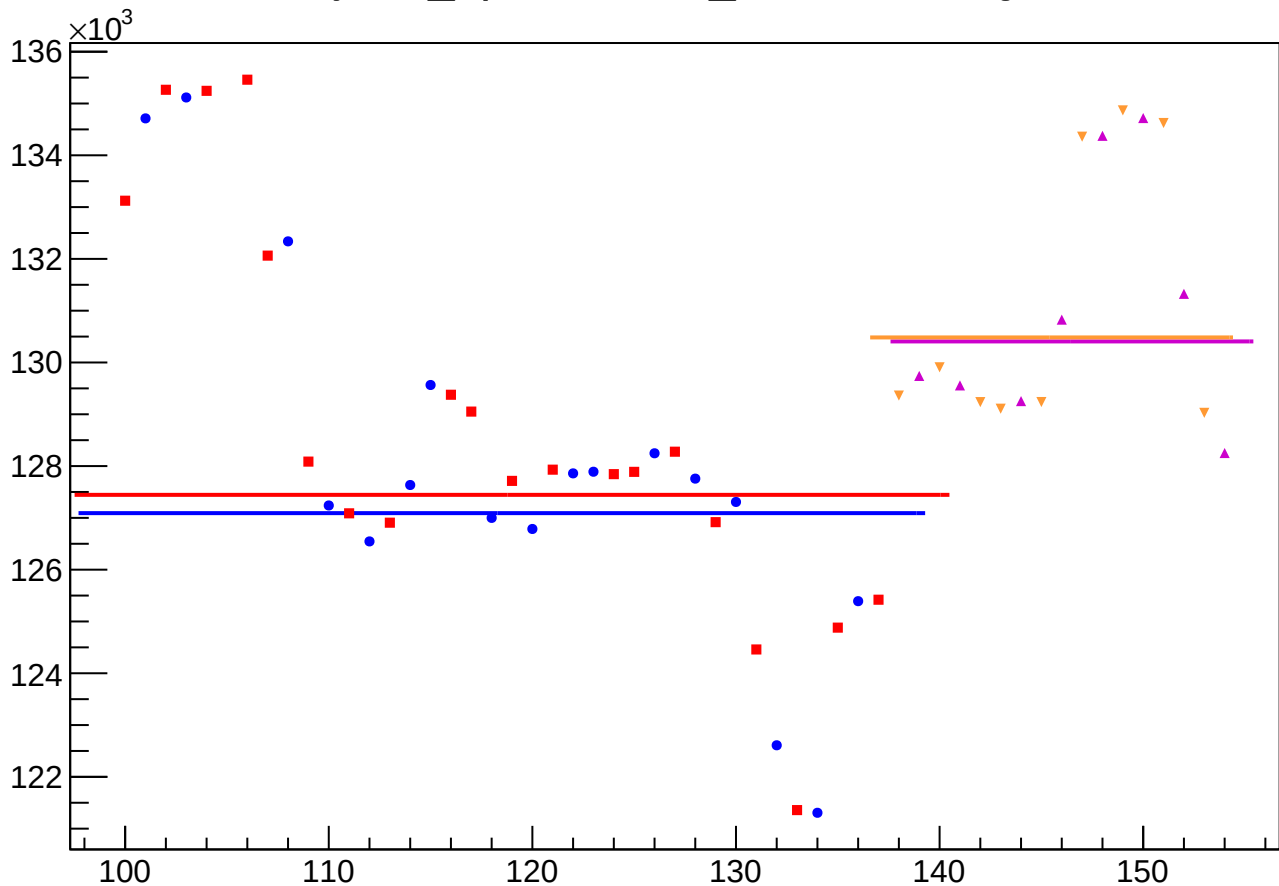
Right Out: 158.336 ± 0.045 χ^2/NDF : 1398323.7/19

Left In: 178.058 ± 0.050 χ^2/NDF : 217147.8/7

169.679 ± 0.034 χ^2/NDF : 1498565.1/25

167.173 ± 0.034 χ^2/NDF : 1700720.5/27

yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 ± 0.066 χ^2/NDF : 1717208780.6/16

Left Out: 130483.617 ± 0.071 χ^2/NDF : 969486059.9/8

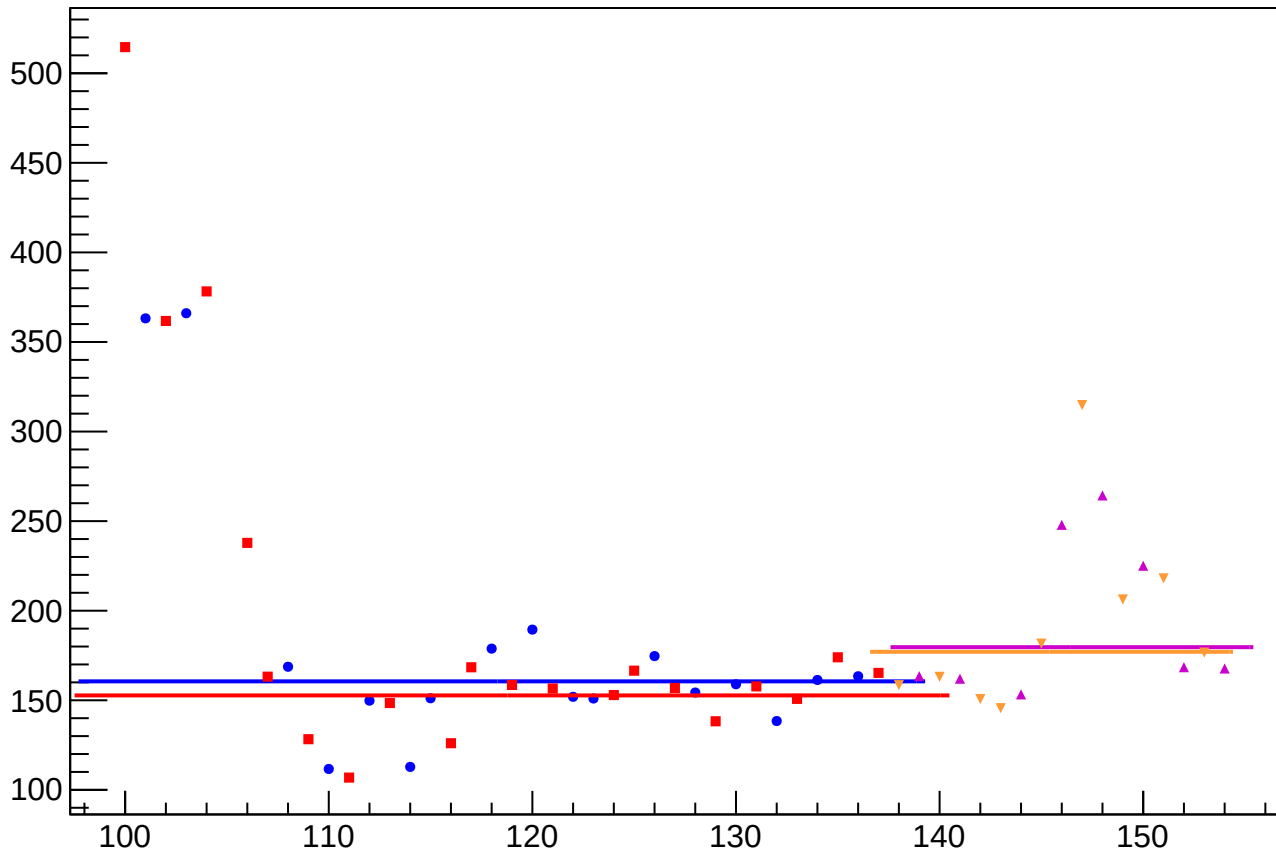
Right Out: 127444.472 ± 0.061 χ^2/NDF : 2082646787.7/19

Left In: 130406.524 ± 0.072 χ^2/NDF : 731165459.4/7

128661.277 ± 0.049 χ^2/NDF : 3897950168.3/25

128684.537 ± 0.047 χ^2/NDF : 3788600232.5/27

yield_bpm0l05WS_rms vs Slug



Right In: 160.564+/-0.047 χ^2/NDF : 942747.0/16

Left Out: 177.066+/-0.051 χ^2/NDF : 499044.3/8

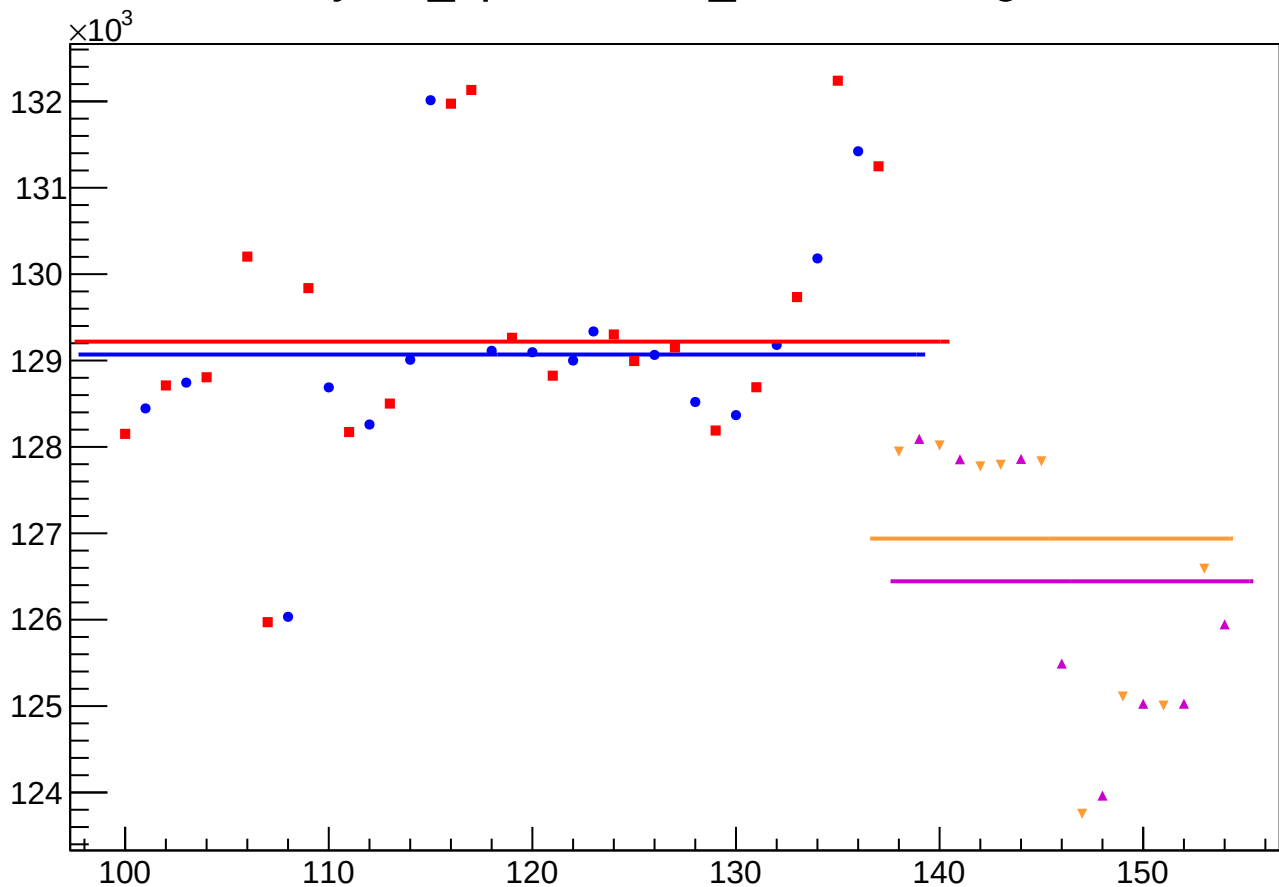
168.201+/-0.034 χ^2/NDF : 1499126.2/25

Right Out: 152.711+/-0.043 χ^2/NDF : 1087186.3/19

163.986+/-0.033 χ^2/NDF : 1694522.3/27

Left In: 179.643+/-0.051 χ^2/NDF : 446160.0/7

yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 ± 0.060 $\chi^2/\text{NDF}: 476692316.5/16$

Left Out: 126939.217 ± 0.067 $\chi^2/\text{NDF}: 400238370.2/8$

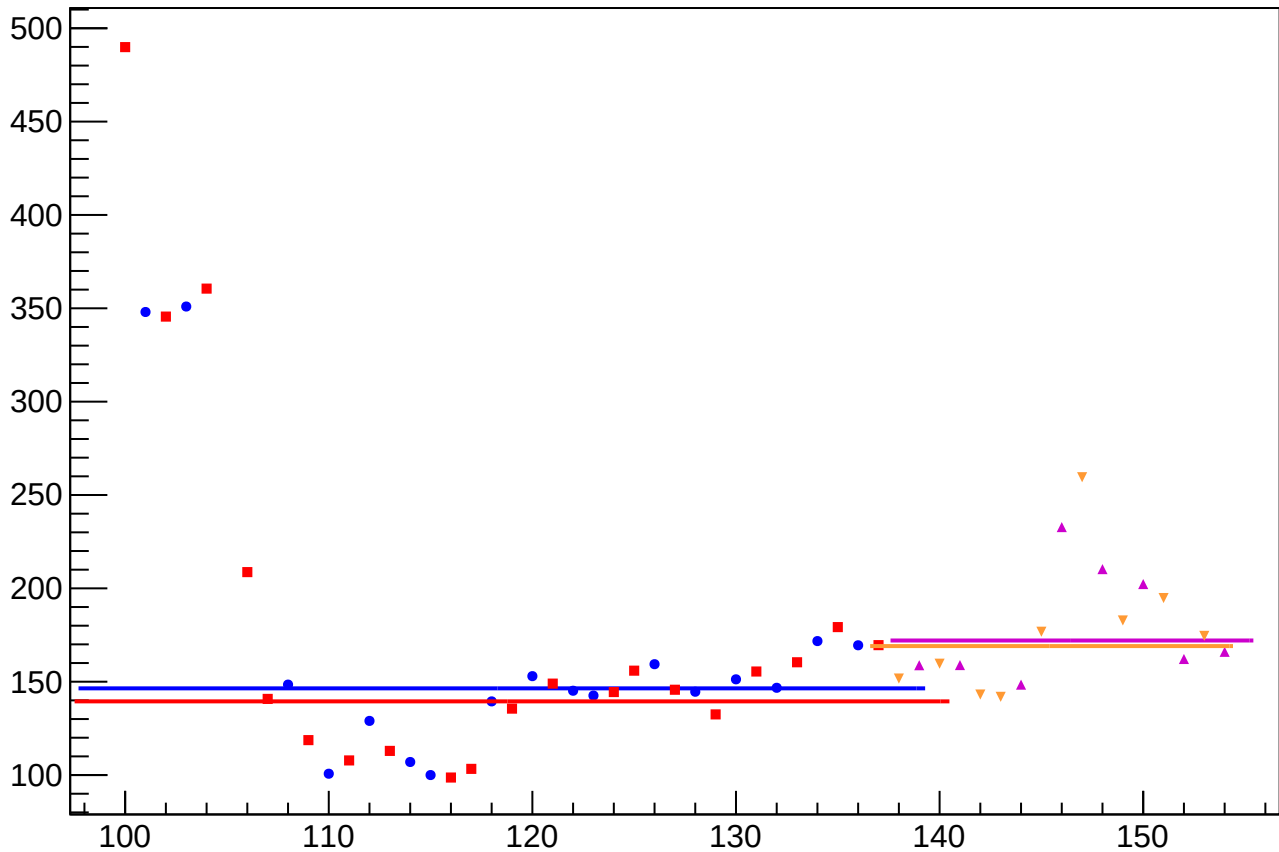
Right Out: 129219.072 ± 0.056 $\chi^2/\text{NDF}: 660468184.1/19$

Left In: 126444.595 ± 0.069 $\chi^2/\text{NDF}: 448137994.6/7$

128126.113 ± 0.045 $\chi^2/\text{NDF}: 1432167003.4/25$

128118.057 ± 0.043 $\chi^2/\text{NDF}: 2091914125.4/27$

yield_bpm0l06WS_rms vs Slug



Right In: 146.437+/-0.043 χ^2/NDF : 1064791.0/16

Left Out: 169.078+/-0.048 χ^2/NDF : 328402.5/8

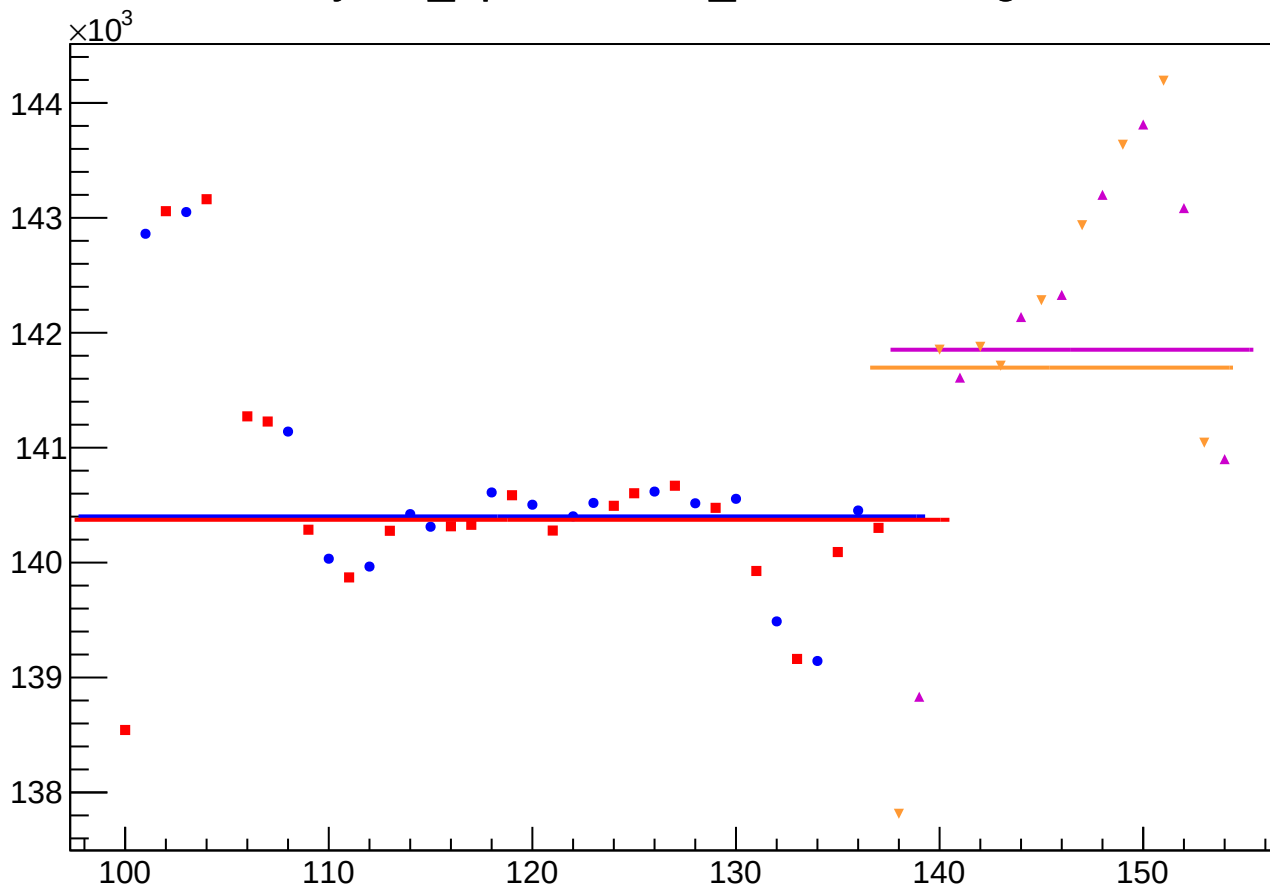
156.465+/-0.032 χ^2/NDF : 1518608.7/25

Right Out: 139.468+/-0.039 χ^2/NDF : 1214310.8/19

152.407+/-0.031 χ^2/NDF : 1754445.4/27

Left In: 172.074+/-0.049 χ^2/NDF : 268506.8/7

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 $\pm$ 0.064 χ^2 /NDF: 88071774.7/16

Left Out: 141696.770 $\pm$ 0.079 χ^2 /NDF: 538041088.9/8

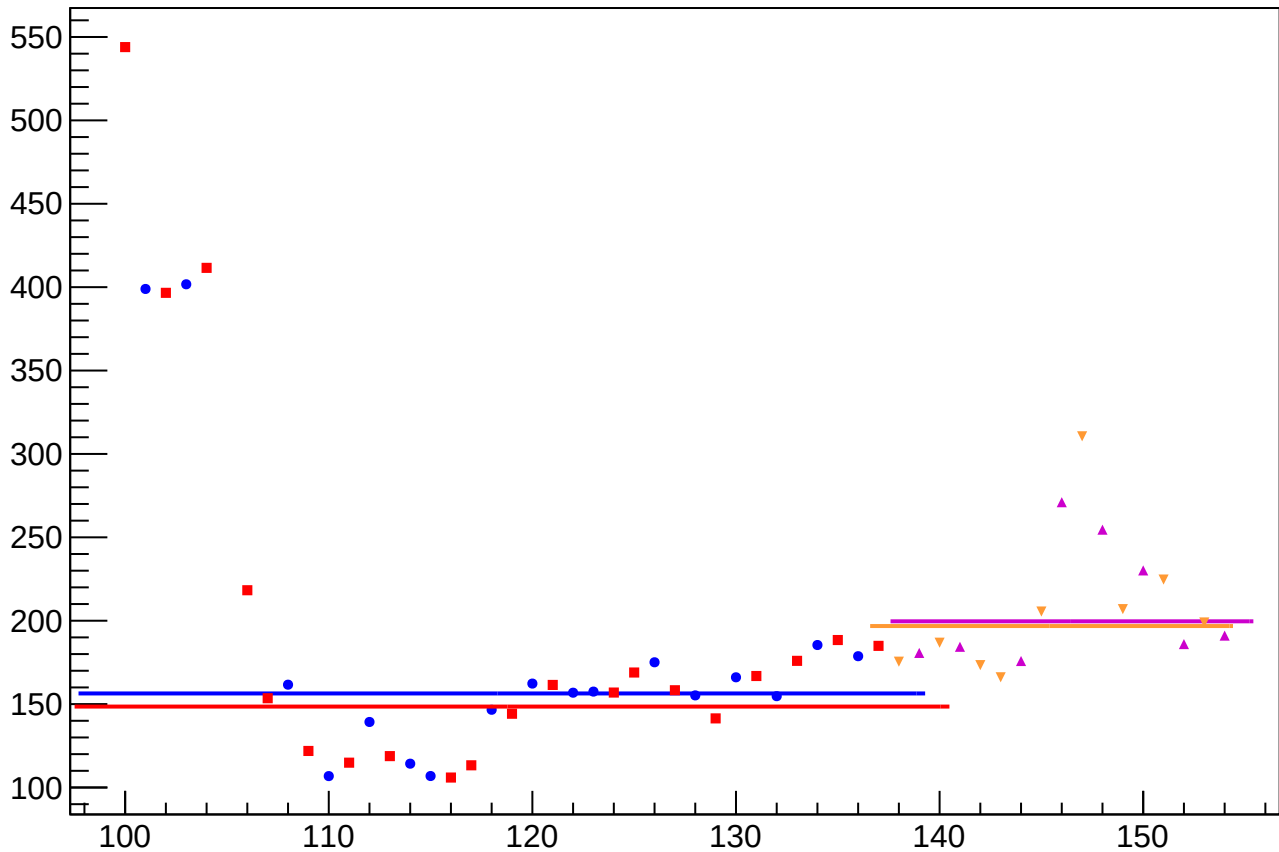
140919.710 $\pm$ 0.050 χ^2 /NDF: 787995546.2/25

Right Out: 140372.636 $\pm$ 0.059 χ^2 /NDF: 99861038.9/19

140900.537 $\pm$ 0.048 χ^2 /NDF: 654239884.9/27

Left In: 141852.453 $\pm$ 0.080 χ^2 /NDF: 333663505.2/7

yield_bpm0l07WS_rms vs Slug



Right In: 156.394+/-0.046 χ^2/NDF : 1154804.2/16

Left Out: 196.809+/-0.056 χ^2/NDF : 323572.5/8

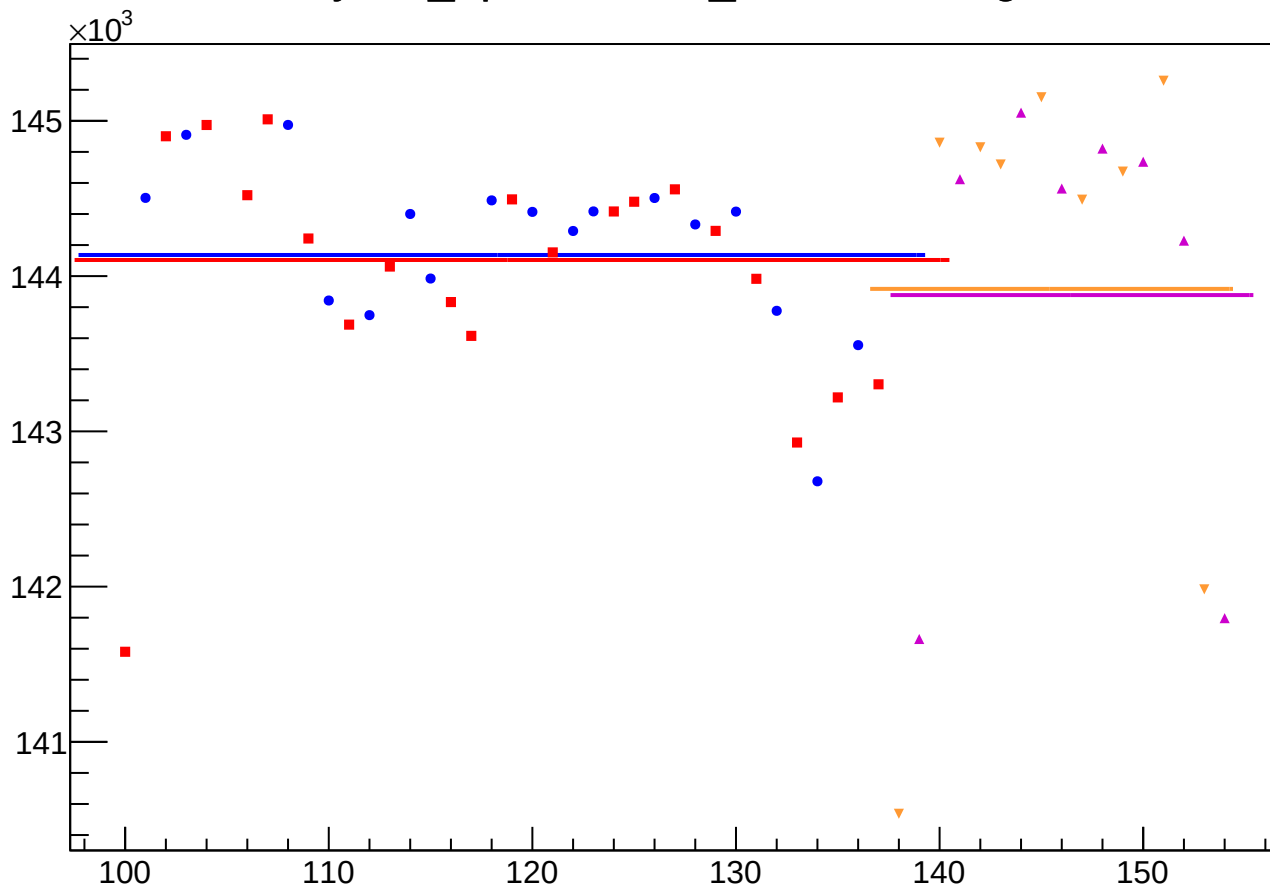
172.553+/-0.035 χ^2/NDF : 1793833.5/25

Right Out: 148.524+/-0.042 χ^2/NDF : 1316113.9/19

166.760+/-0.034 χ^2/NDF : 2123415.7/27

Left In: 199.644+/-0.056 χ^2/NDF : 280527.3/7

yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 $\pm$ 0.067 χ^2 /NDF: 47069480.3/16

Left Out: 143917.759 $\pm$ 0.078 χ^2 /NDF: 451163176.2/8

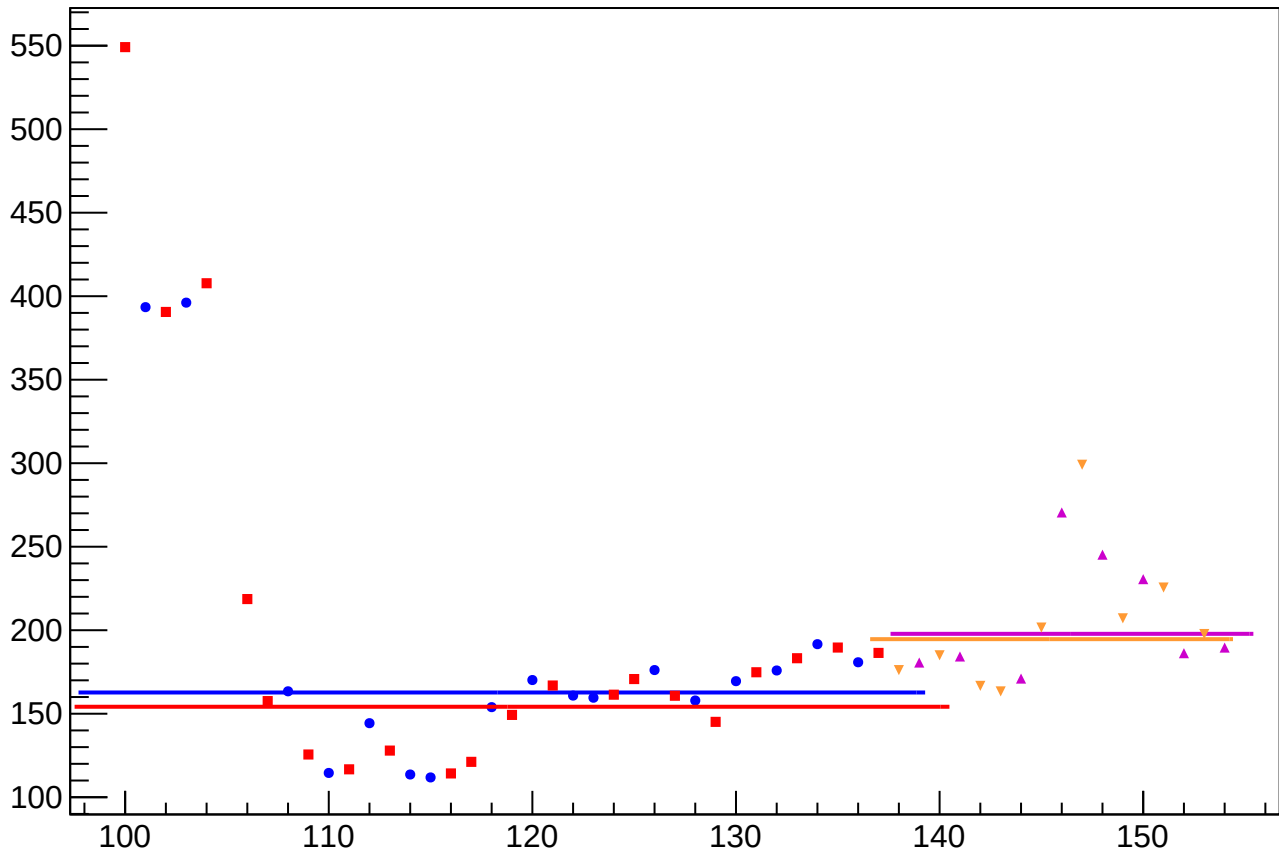
Right Out: 144103.887 $\pm$ 0.062 χ^2 /NDF: 65973087.5/19

Left In: 143877.896 $\pm$ 0.079 χ^2 /NDF: 285094105.0/7

144043.609 $\pm$ 0.051 χ^2 /NDF: 502763691.5/25

144018.810 $\pm$ 0.049 χ^2 /NDF: 356147119.5/27

yield_bpm0l08WS_rms vs Slug



Right In: 162.714 $\pm$ 0.047 χ^2 /NDF: 1066482.0/16

Left Out: 194.646 $\pm$ 0.055 χ^2 /NDF: 317193.1/8

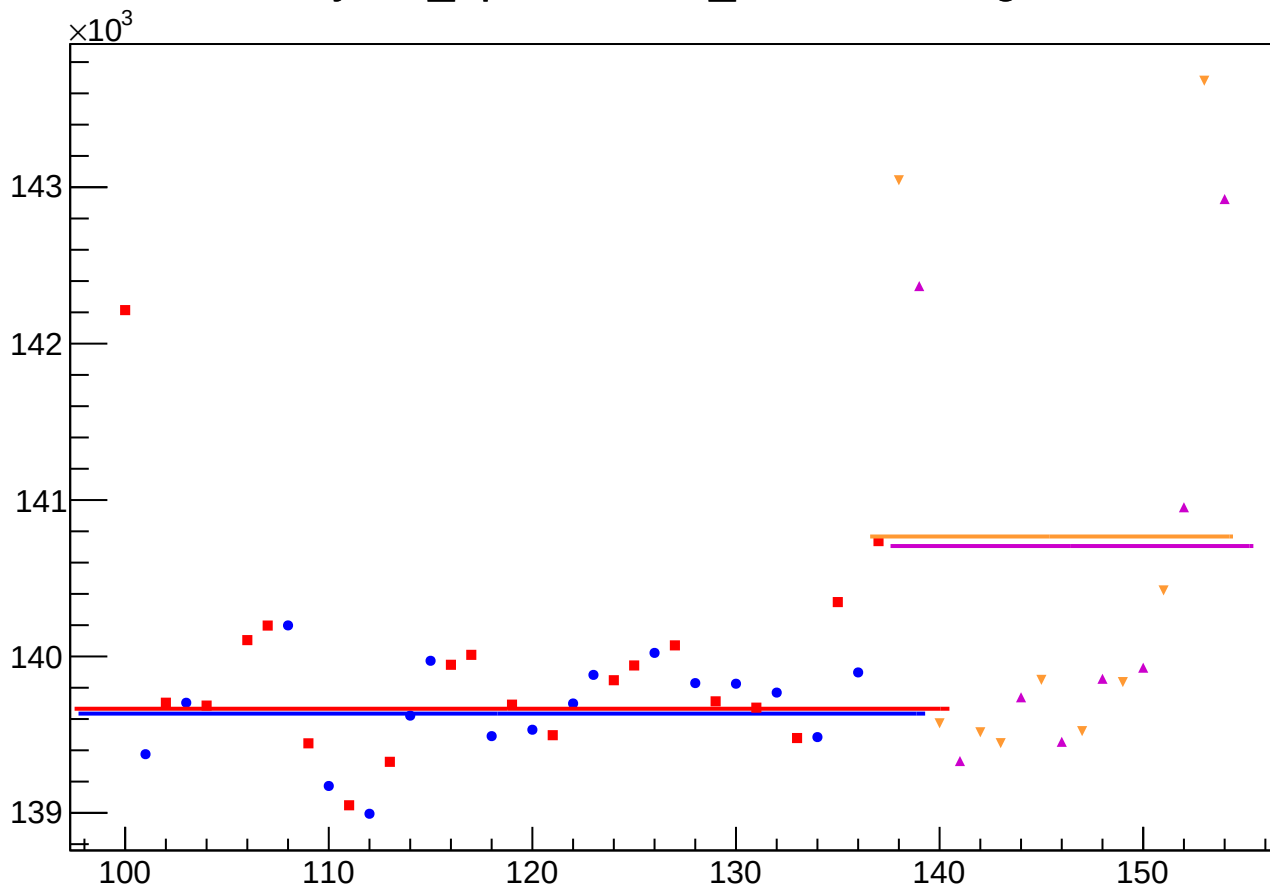
176.242 $\pm$ 0.036 χ^2 /NDF: 1577466.4/25

Right Out: 154.174 $\pm$ 0.044 χ^2 /NDF: 1224004.2/19

170.613 $\pm$ 0.034 χ^2 /NDF: 1880563.8/27

Left In: 197.841 $\pm$ 0.056 χ^2 /NDF: 277223.0/7

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700 $\pm$ 0.068 χ^2 /NDF: 24844912.0/16

Left Out: 140766.922 $\pm$ 0.083 χ^2 /NDF: 387484101.3/8

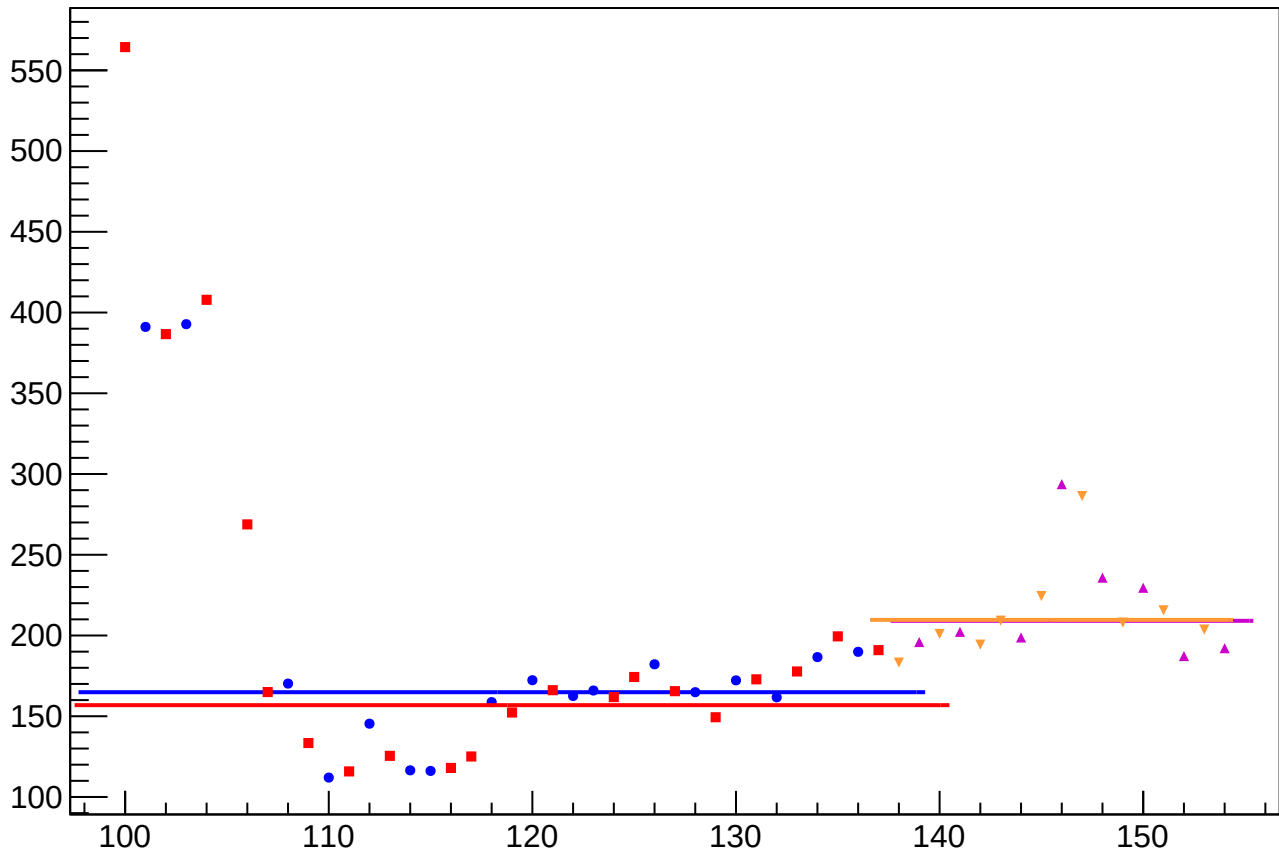
Right Out: 139665.743 $\pm$ 0.063 χ^2 /NDF: 38703726.2/19

Left In: 140705.956 $\pm$ 0.083 χ^2 /NDF: 251443378.1/7

140086.857 $\pm$ 0.053 χ^2 /NDF: 523775315.9/25

140040.924 $\pm$ 0.050 χ^2 /NDF: 389438019.3/27

yield_bpm0l09WS_rms vs Slug



Right In: 164.884+/-0.048 χ^2/NDF : 1066270.8/16

Left Out: 209.675+/-0.059 χ^2/NDF :158463.8/8

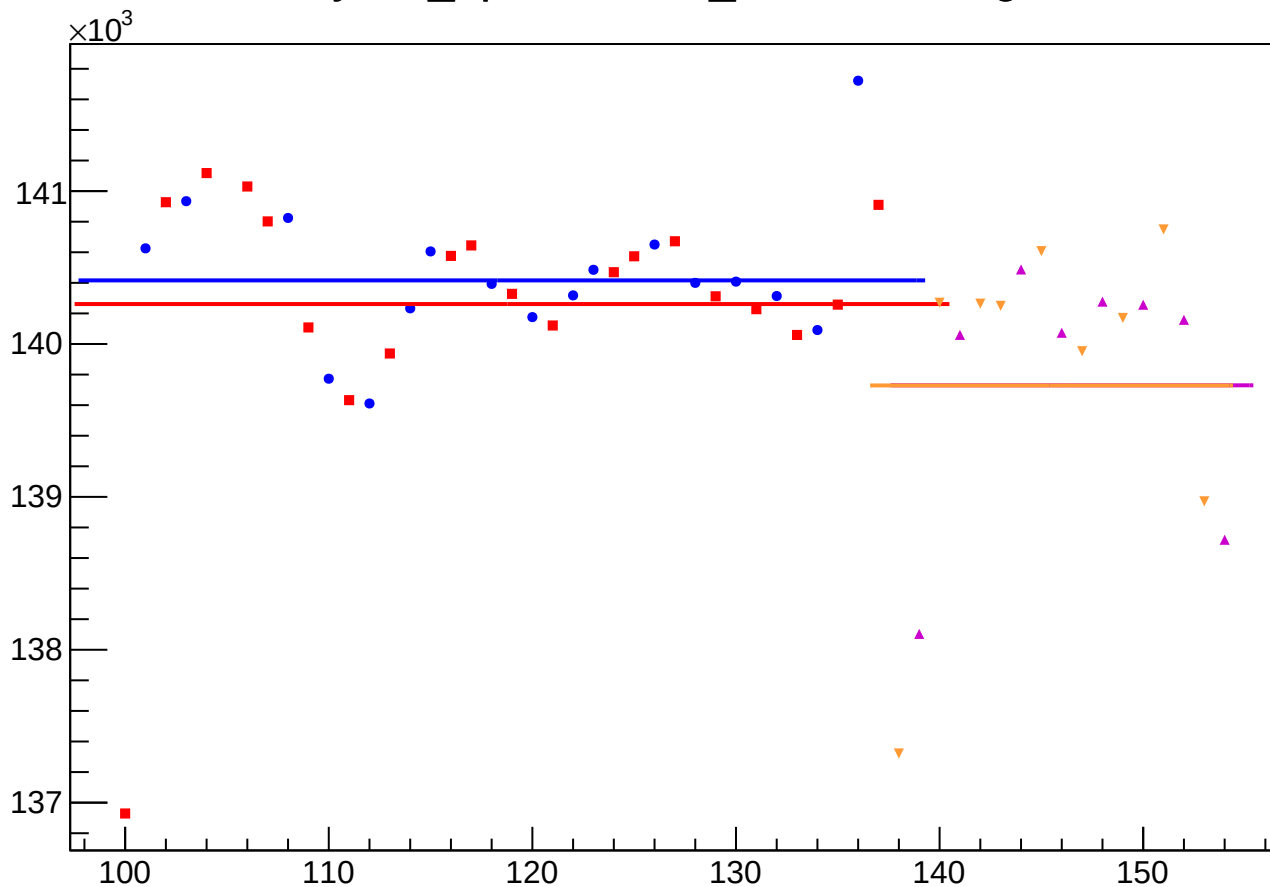
182.772+/-0.037 χ^2/NDF : 1573559.7/25

Right Out: 156.859+/-0.044 χ^2/NDF : 1250656.2/19

175.701+/-0.035 χ^2/NDF : 1961293.9/27

Left In: 209.098+/-0.059 χ^2/NDF :209829.2/7

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 ± 0.068 $\chi^2/\text{NDF}: 69975821.3/16$

Left Out: 139728.829 ± 0.077 $\chi^2/\text{NDF}: 208851645.9/8$

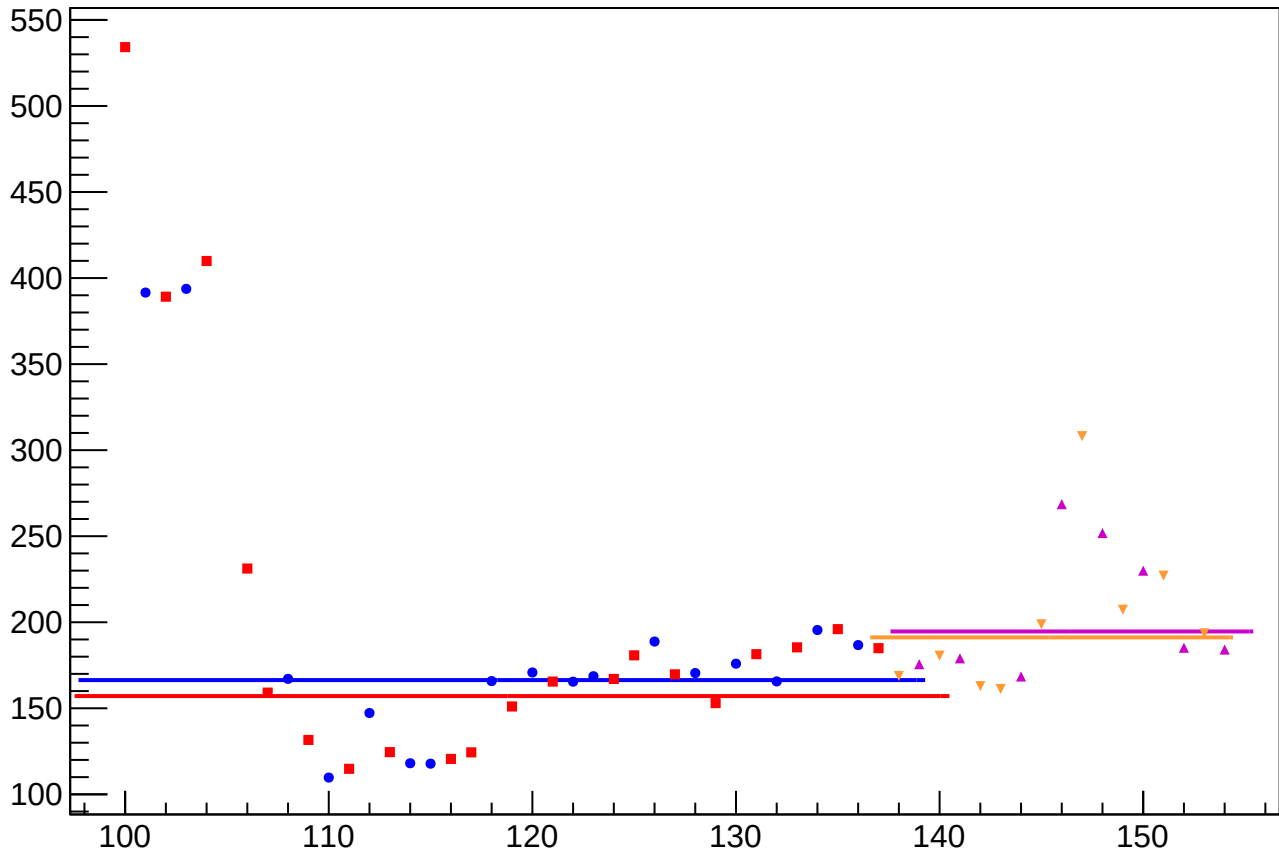
Right Out: 140261.267 ± 0.063 $\chi^2/\text{NDF}: 38479140.4/19$

Left In: 139729.797 ± 0.078 $\chi^2/\text{NDF}: 116273051.5/7$

140111.085 ± 0.051 $\chi^2/\text{NDF}: 323633753.5/25$

140052.094 ± 0.049 $\chi^2/\text{NDF}: 182945223.0/27$

yield_bpm0l10WS_rms vs Slug



Right In: 166.388 ± 0.048 χ^2/NDF : 1080964.8/16

Left Out: 191.198 ± 0.054 χ^2/NDF : 375043.1/8

Right Out: 157.110 ± 0.044 χ^2/NDF : 1235934.7/19

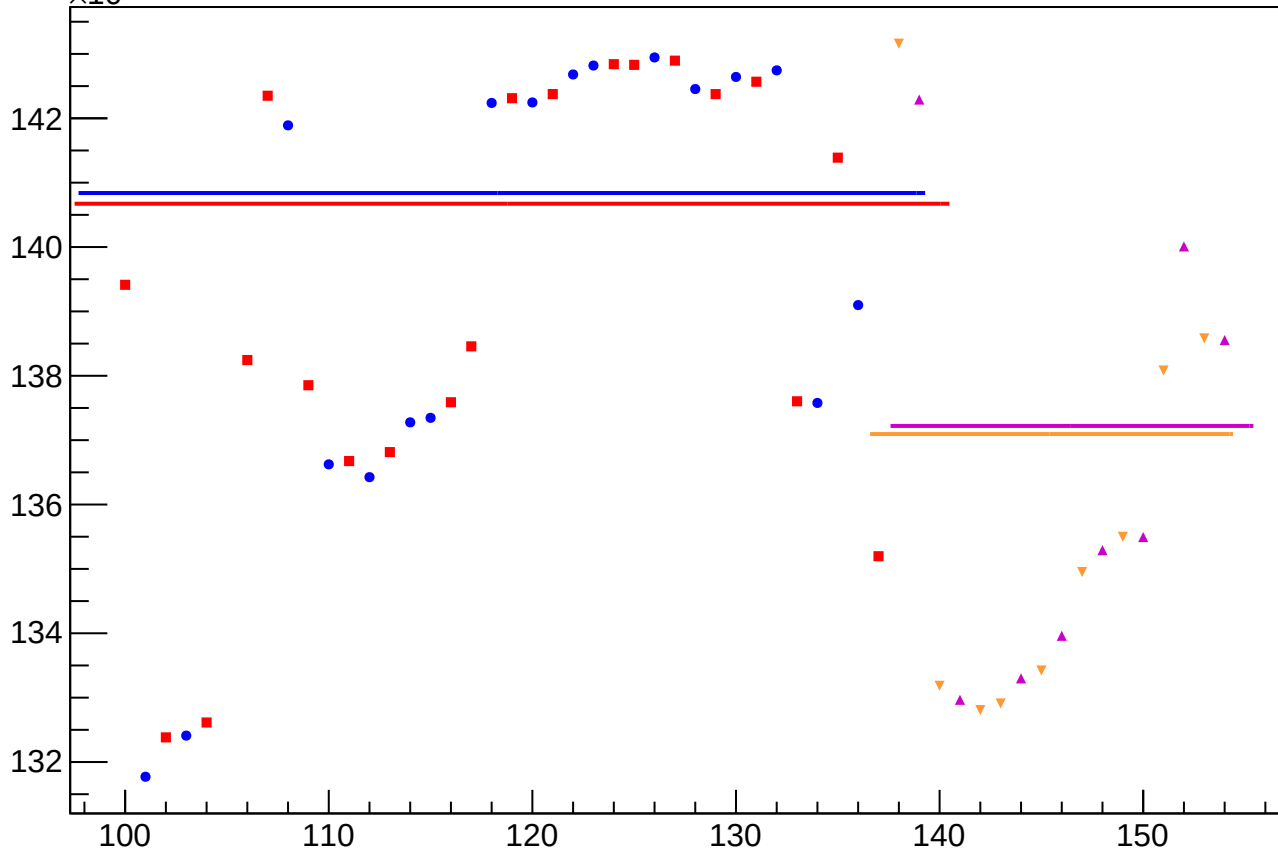
Left In: 194.644 ± 0.055 χ^2/NDF : 318084.4/7

177.398 ± 0.036 χ^2/NDF : 1572799.8/25

171.883 ± 0.035 χ^2/NDF : 1835244.8/27

yield_bpm0r03WS_mean vs Slug

$\times 10^3$



Right In: 140839.133 $\pm$ 0.100 χ^2 /NDF: 822682996.3/16

Left Out: 137094.826 $\pm$ 0.122 χ^2 /NDF: 1087550601.5/8

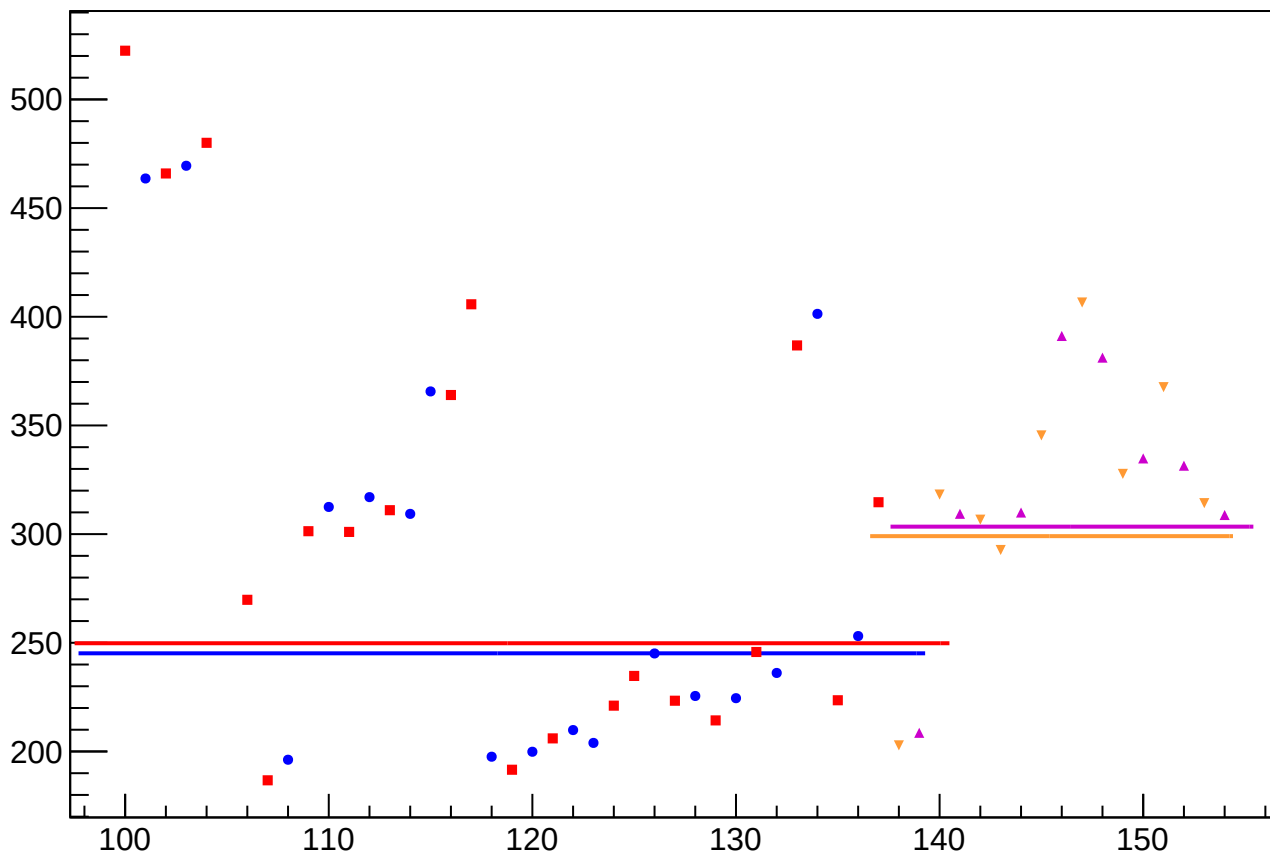
Right Out: 140672.898 $\pm$ 0.099 χ^2 /NDF: 841965357.5/19

Left In: 137221.171 $\pm$ 0.123 χ^2 /NDF: 837874901.4/7

139327.263 $\pm$ 0.077 χ^2 /NDF: 2476191335.8/25

139319.841 $\pm$ 0.077 χ^2 /NDF: 2156600469.3/27

yield_bpm0r03WS_rms vs Slug



Right In: 245.159 ± 0.071 χ^2/NDF : 869491.6/16

Left Out: 299.068 ± 0.086 χ^2/NDF : 526514.7/8

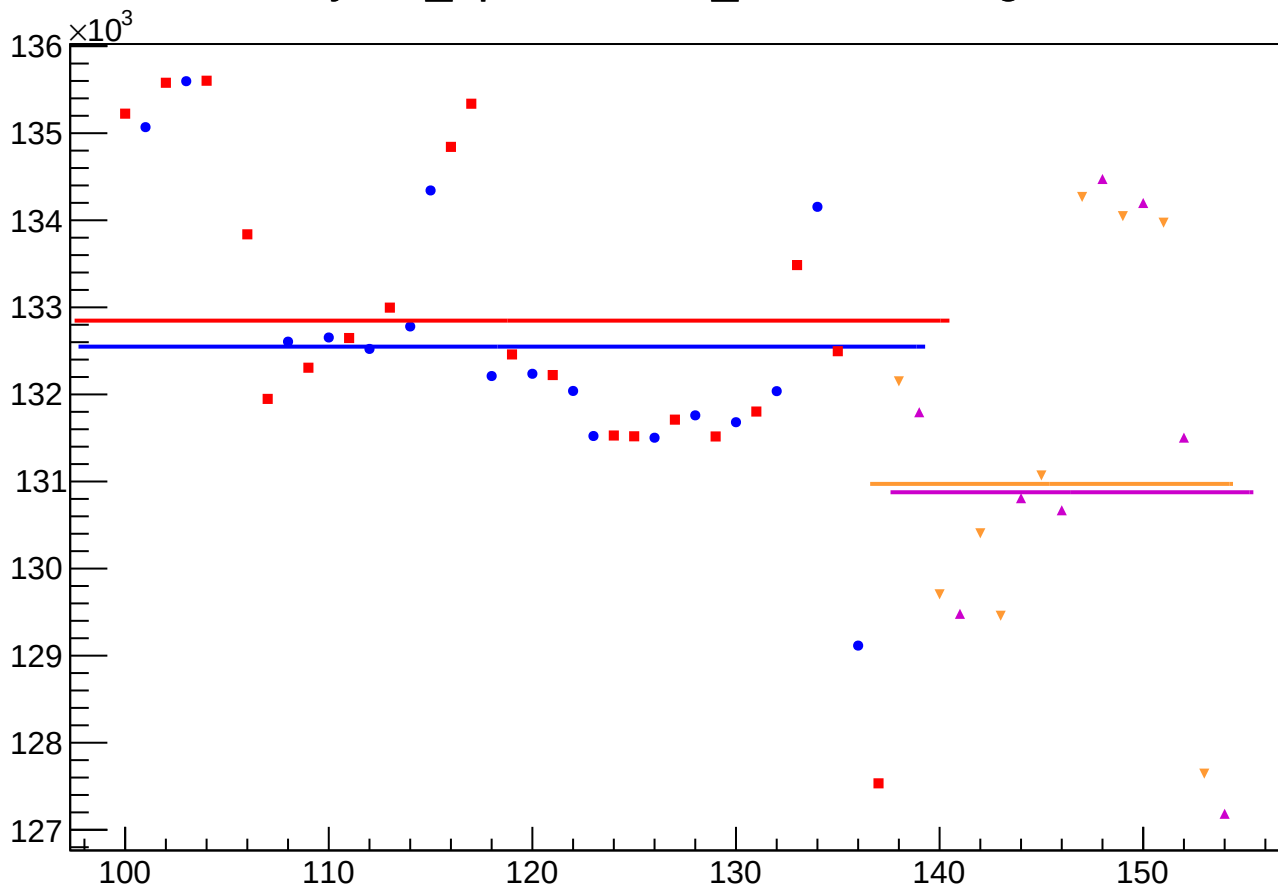
Right Out: 249.792 ± 0.070 χ^2/NDF : 1022316.0/19

Left In: 303.440 ± 0.087 χ^2/NDF : 438707.4/7

266.926 ± 0.055 χ^2/NDF : 1630639.6/25

270.822 ± 0.055 χ^2/NDF : 1691357.0/27

yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 $\pm$ 0.119 χ^2 /NDF: 161115079.9/16

Left Out: 130972.503 $\pm$ 0.091 χ^2 /NDF: 387517343.3/8

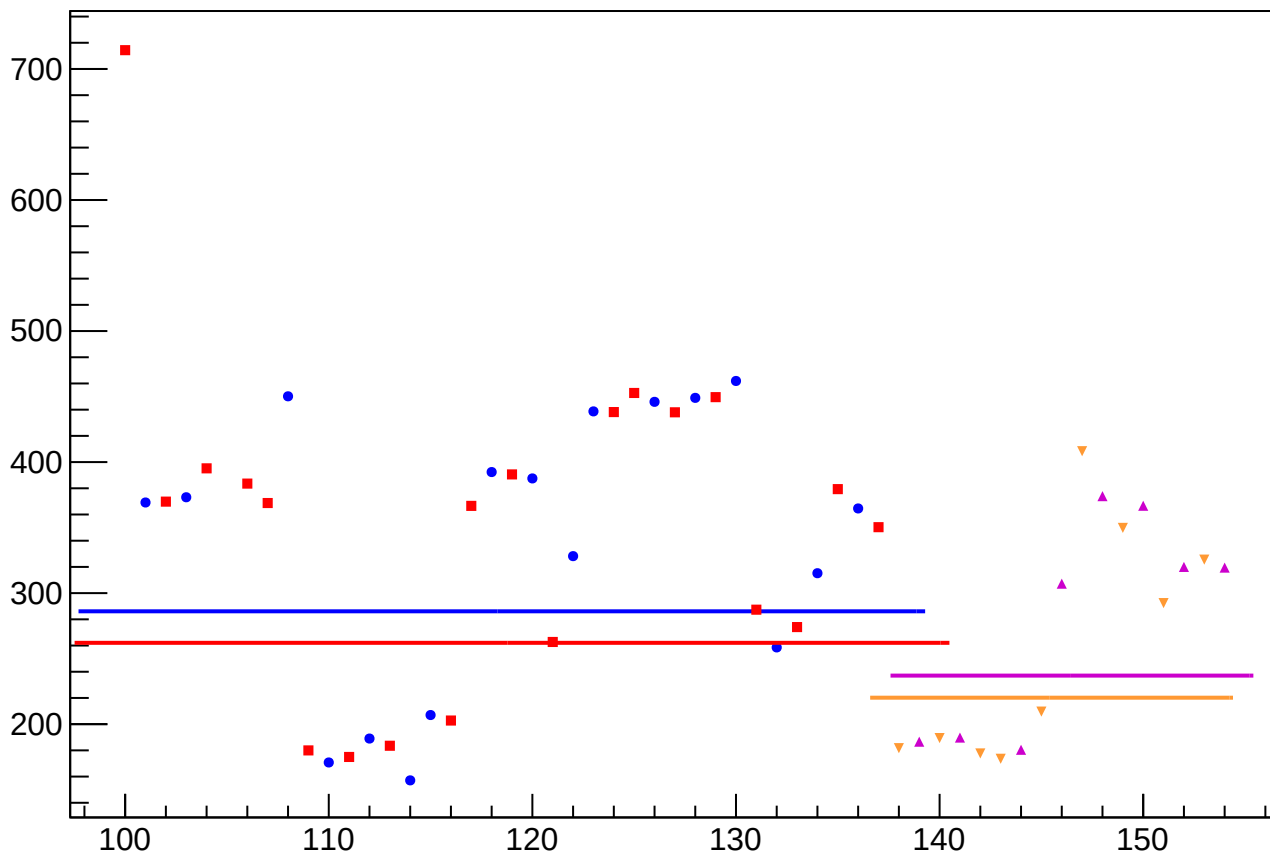
Right Out: 132847.502 $\pm$ 0.107 χ^2 /NDF: 151618589.4/19

Left In: 130876.553 $\pm$ 0.098 χ^2 /NDF: 319317372.2/7

131555.662 $\pm$ 0.073 χ^2 /NDF: 658510346.4/25

131780.937 $\pm$ 0.072 χ^2 /NDF: 654879277.2/27

yield_bpm0r05WS_rms vs Slug



Right In: 286.122+/-0.084 χ^2/NDF : 1525266.4/16

Left Out: 220.201+/-0.065 χ^2/NDF : 1050470.4/8

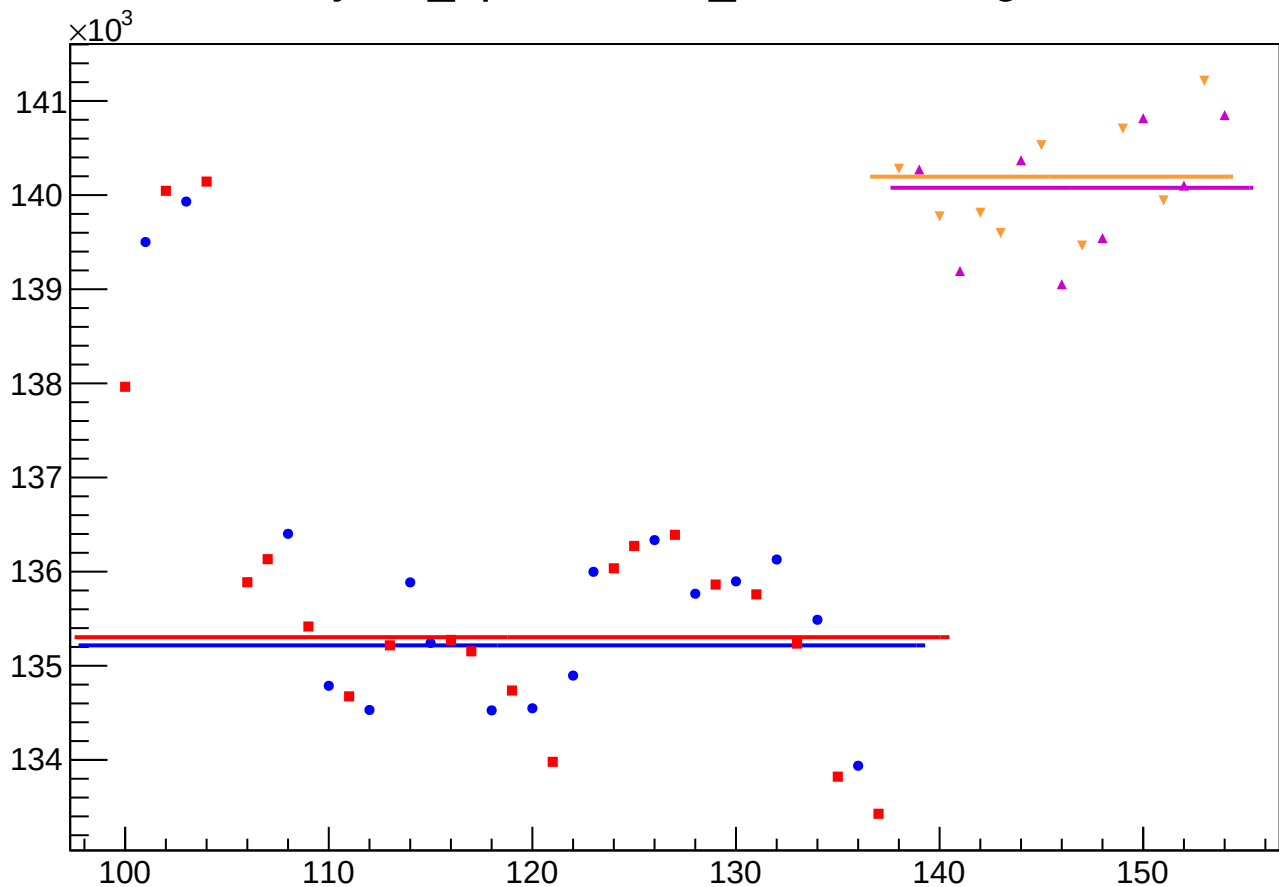
Right Out: 262.073+/-0.076 χ^2/NDF : 1630239.5/19

Left In: 237.056+/-0.070 χ^2/NDF : 1087425.6/7

244.588+/-0.051 χ^2/NDF : 2960031.8/25

248.535+/-0.051 χ^2/NDF : 2776931.2/27

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 $\pm$ 0.054 χ^2 /NDF: 371347707.3/16

Left Out: 140195.828 $\pm$ 0.073 χ^2 /NDF: 59981252.0/8

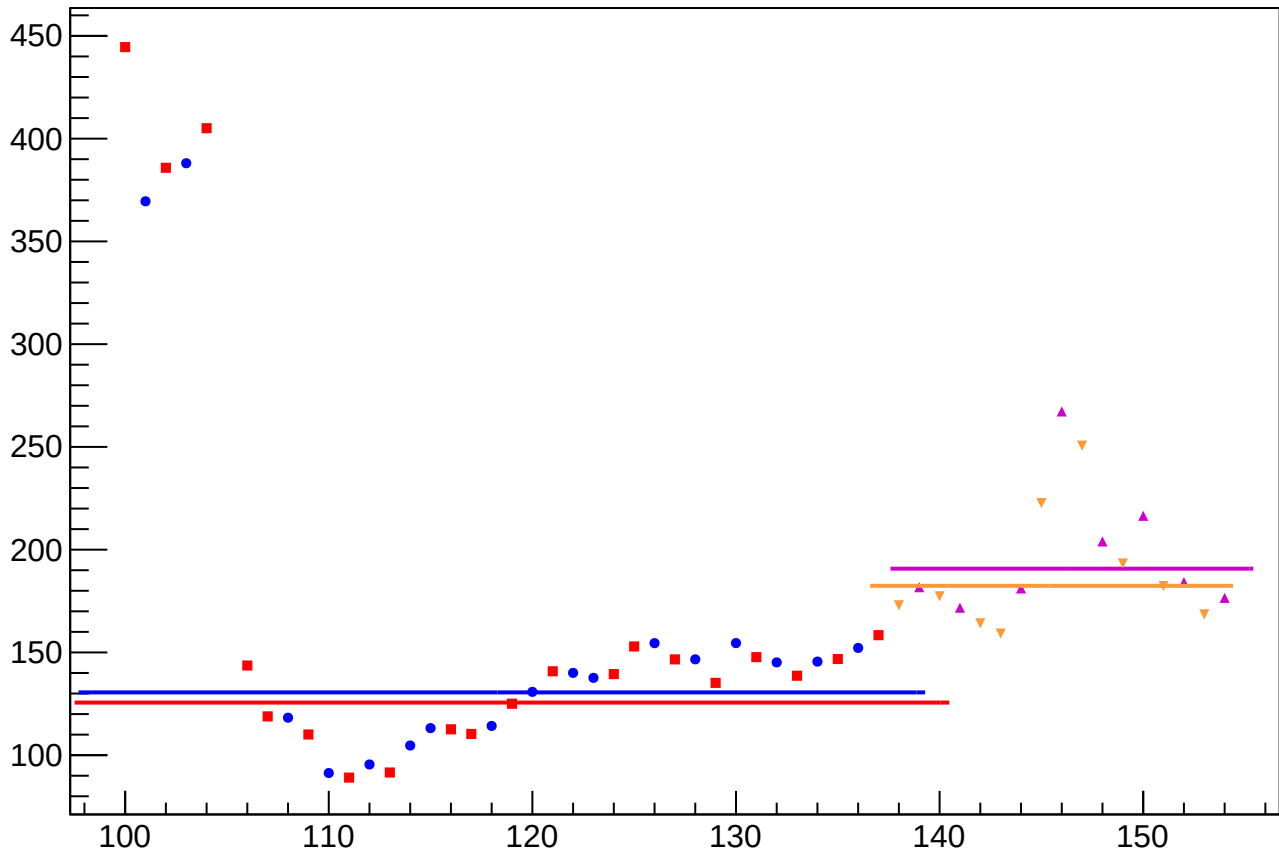
Right Out: 135303.736 $\pm$ 0.051 χ^2 /NDF: 357717935.5/19

Left In: 140077.763 $\pm$ 0.076 χ^2 /NDF: 66978011.0/7

136995.640 $\pm$ 0.044 χ^2 /NDF: 3429497335.6/25

136772.565 $\pm$ 0.042 χ^2 /NDF: 3130749703.6/27

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 $\pm$ 0.038 χ^2 /NDF: 1373104.9/16

Left Out: 182.409 $\pm$ 0.052 χ^2 /NDF:216774.0/8

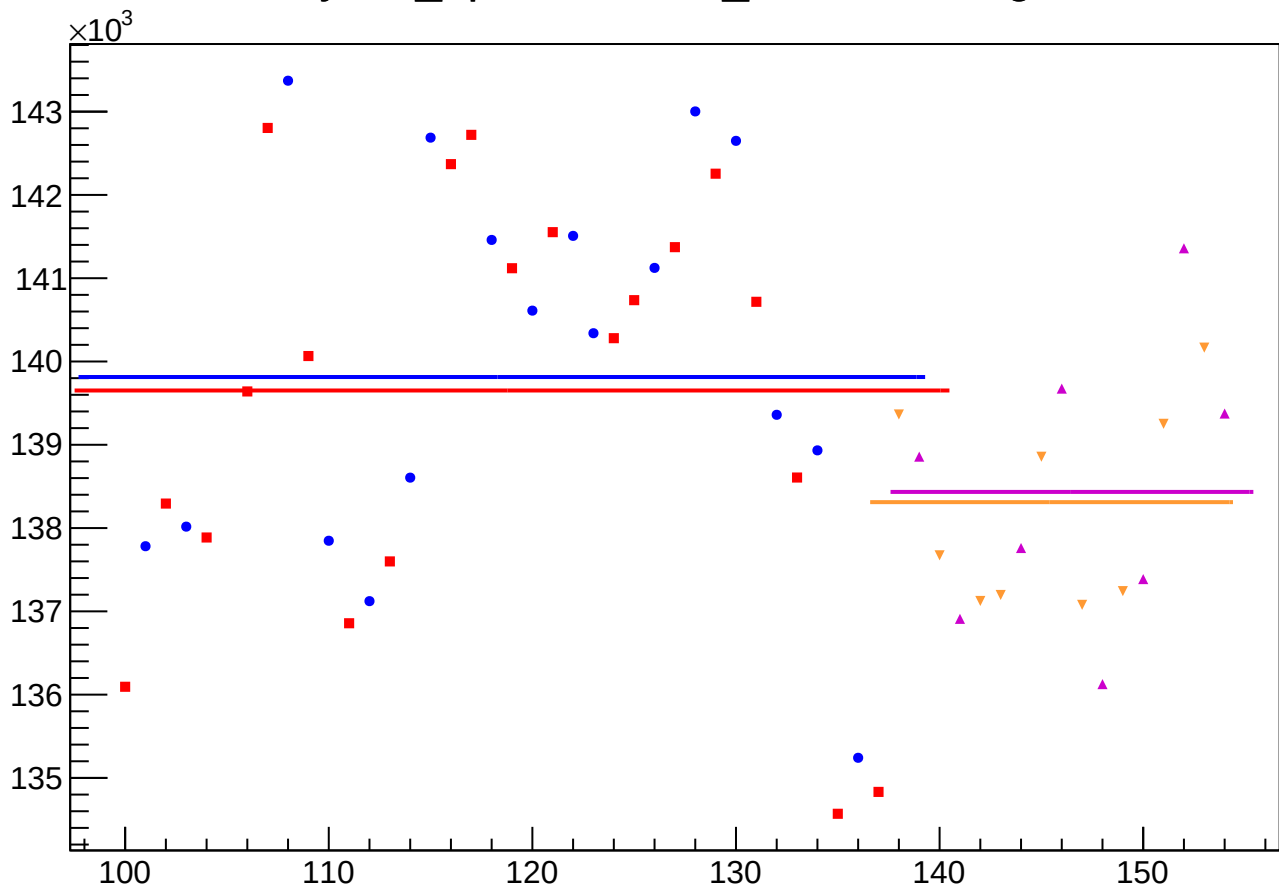
149.080 $\pm$ 0.031 χ^2 /NDF: 2240275.6/25

Right Out: 125.603 $\pm$ 0.036 χ^2 /NDF: 1441677.4/19

145.651 $\pm$ 0.030 χ^2 /NDF: 2642682.0/27

Left In: 190.762 $\pm$ 0.054 χ^2 /NDF:192831.5/7

yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 $\pm$ 0.062 χ^2/NDF : 1689865533.6/16

Left Out: 138311.307 $\pm$ 0.074 χ^2/NDF : 235249892.9/8

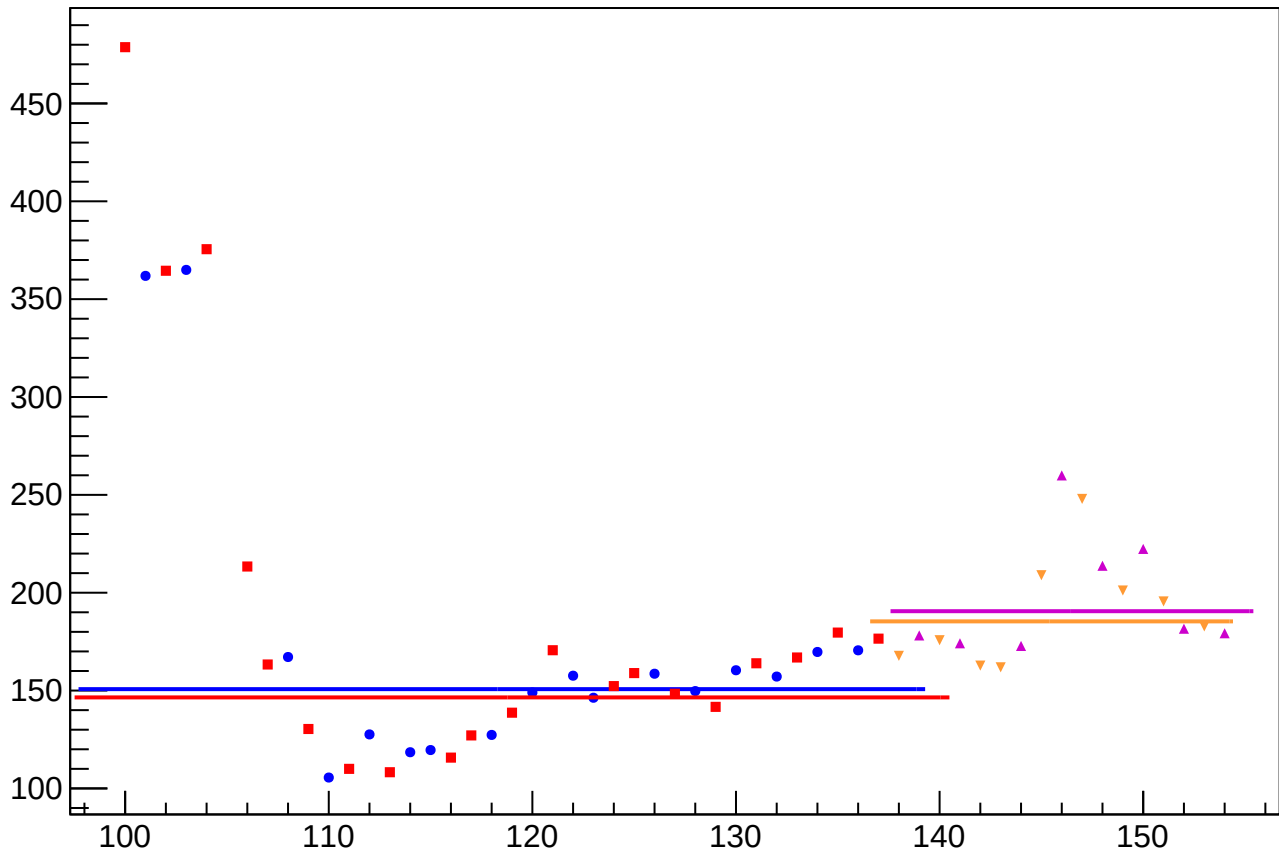
Right Out: 139651.821 $\pm$ 0.059 χ^2/NDF : 1531019137.4/19

Left In: 138434.062 $\pm$ 0.076 χ^2/NDF : 434715701.2/7

139196.545 $\pm$ 0.048 χ^2/NDF : 2166910233.9/25

139198.819 $\pm$ 0.047 χ^2/NDF : 2125571386.6/27

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733 $\pm$ 0.044 χ^2 /NDF: 1050071.6/16

Left Out: 185.355 $\pm$ 0.052 χ^2 /NDF:193588.8/8

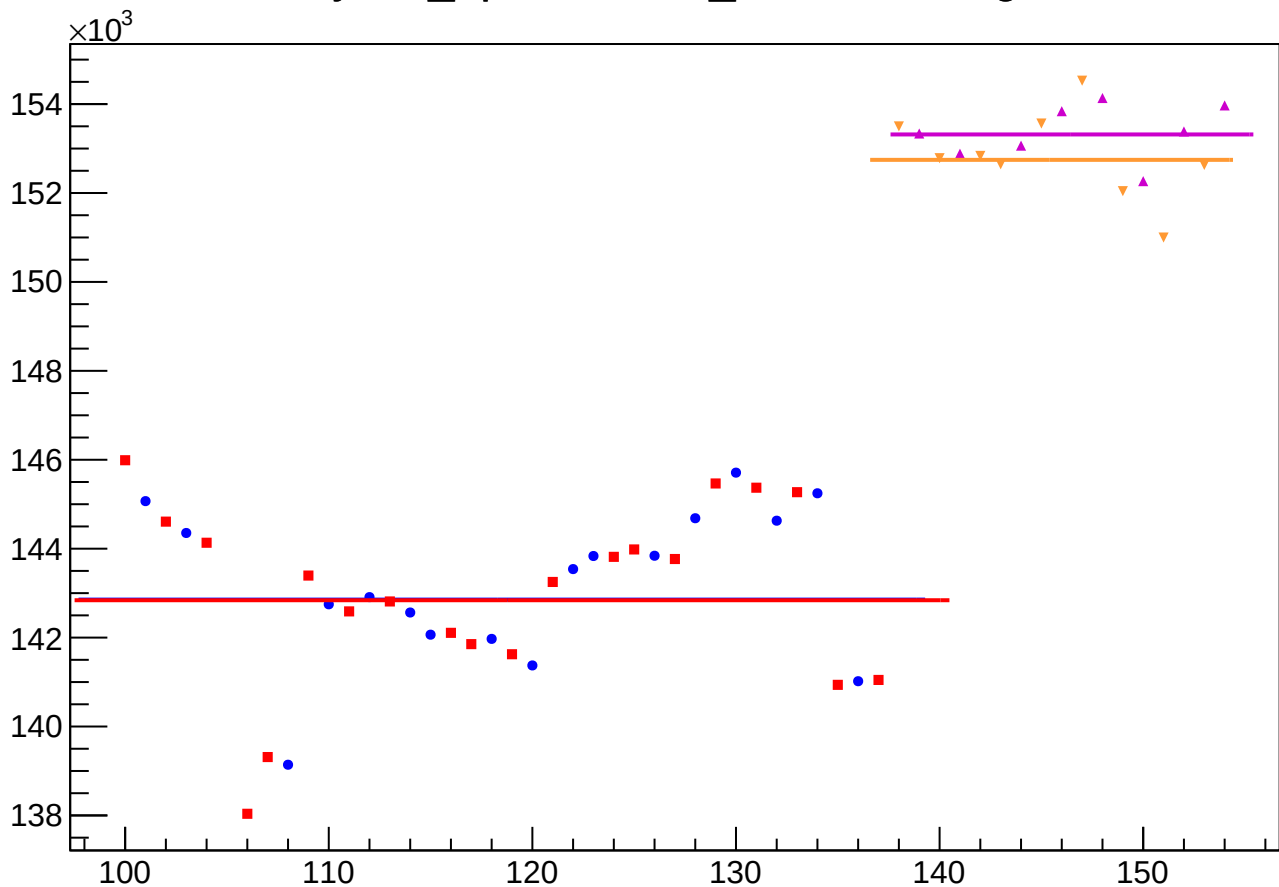
164.955 $\pm$ 0.034 χ^2 /NDF: 1500487.8/25

Right Out: 146.506 $\pm$ 0.042 χ^2 /NDF: 1205131.2/19

162.893 $\pm$ 0.033 χ^2 /NDF: 1834405.3/27

Left In: 190.558 $\pm$ 0.054 χ^2 /NDF:210953.2/7

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065 χ^2 /NDF: 740367386.5/16

Left Out: 152745.673 $\pm$ 0.074 χ^2 /NDF: 137598034.9/8

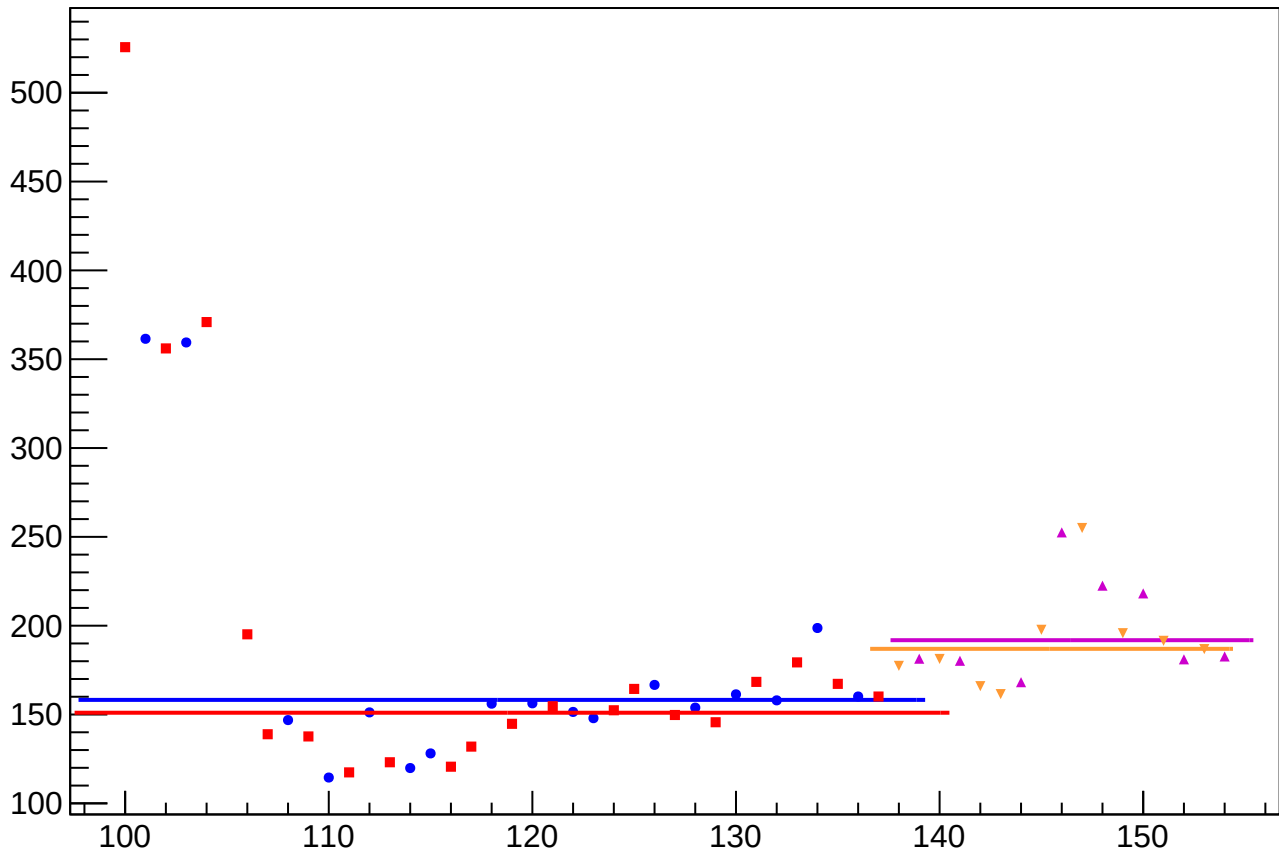
Right Out: 142840.509 $\pm$ 0.060 χ^2 /NDF: 852484333.4/19

Left In: 153317.169 $\pm$ 0.077 χ^2 /NDF: 50956788.7/7

147107.943 $\pm$ 0.049 χ^2 /NDF: 10940734714.4/2

146839.112 $\pm$ 0.047 χ^2 /NDF: 12490983034.6/2

yield_bpm0i05WS_rms vs Slug



Right In: 158.233+/-0.046 χ^2/NDF : 883513.4/16

Left Out: 186.968+/-0.053 χ^2/NDF :169795.9/8

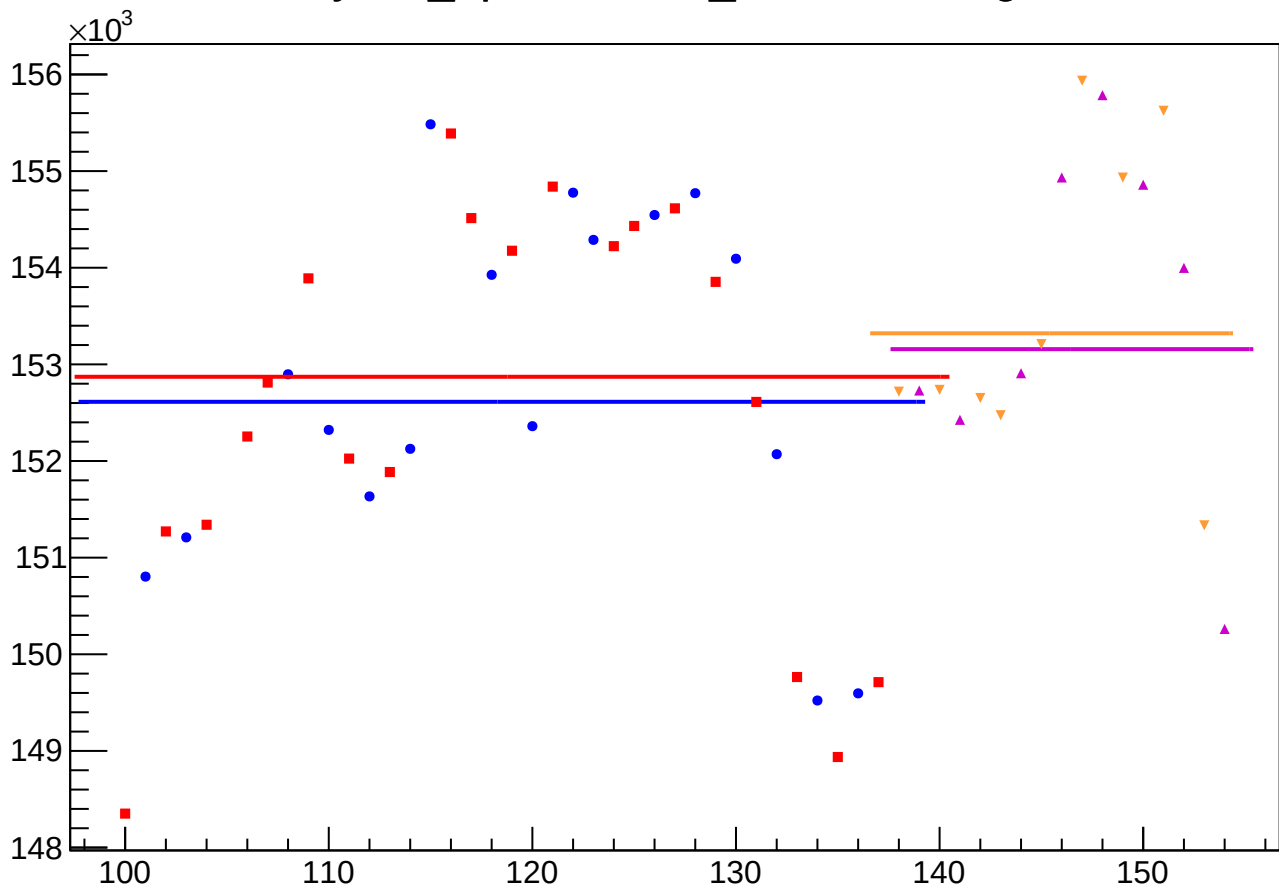
170.590+/-0.035 χ^2/NDF : 1223157.2/25

Right Out: 151.003+/-0.043 χ^2/NDF : 1005104.9/19

166.588+/-0.033 χ^2/NDF : 1556508.4/27

Left In: 191.837+/-0.054 χ^2/NDF :199350.3/7

yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072 χ^2 /NDF: 621416187.4/16

Left Out: 153321.520 $\pm$ 0.075 χ^2 /NDF: 360716345.9/8

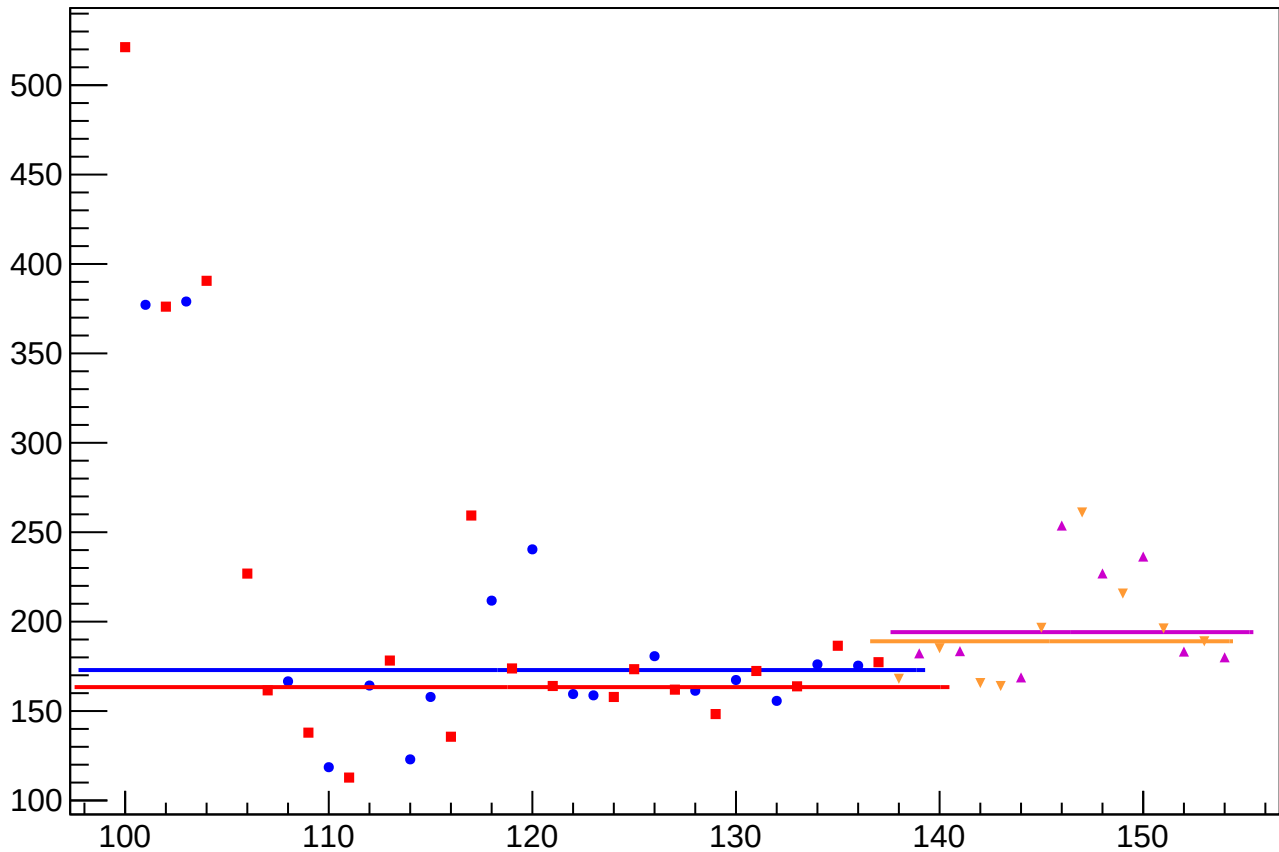
Right Out: 152871.618 $\pm$ 0.066 χ^2 /NDF: 720639345.6/19

Left In: 153157.462 $\pm$ 0.077 χ^2 /NDF: 436956553.8/7

152953.189 $\pm$ 0.052 χ^2 /NDF: 1028497944.7/25

152992.247 $\pm$ 0.050 χ^2 /NDF: 1165479978.6/27

yield_bpm0i07WS_rms vs Slug



Right In: 172.921+/-0.051 χ^2/NDF : 941954.0/16

Left Out: 189.015+/-0.053 χ^2/NDF : 216777.3/8

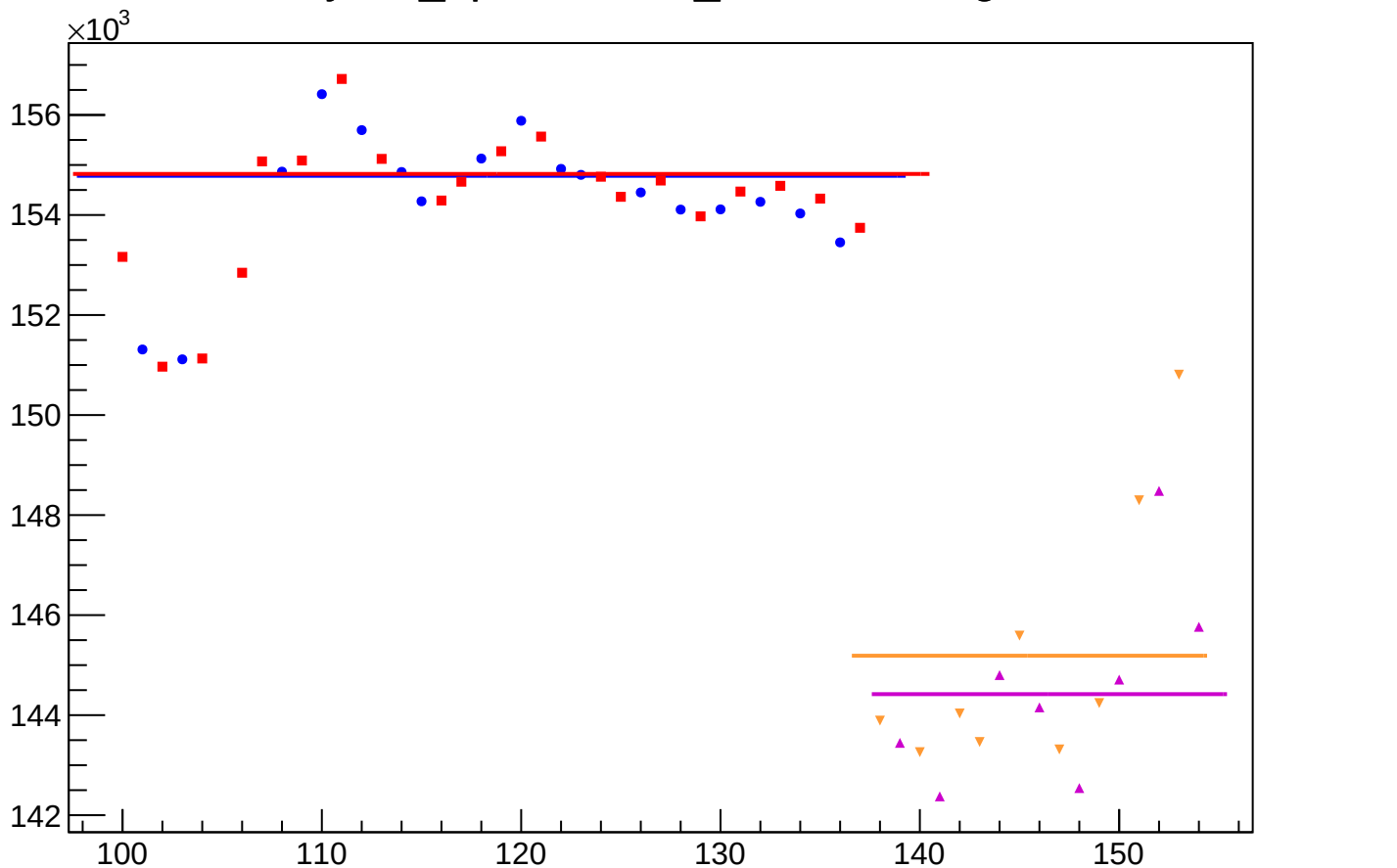
Right Out: 163.382+/-0.047 χ^2/NDF : 1044431.2/19

Left In: 194.126+/-0.055 χ^2/NDF : 239366.0/7

180.653+/-0.037 χ^2/NDF : 1206519.7/25

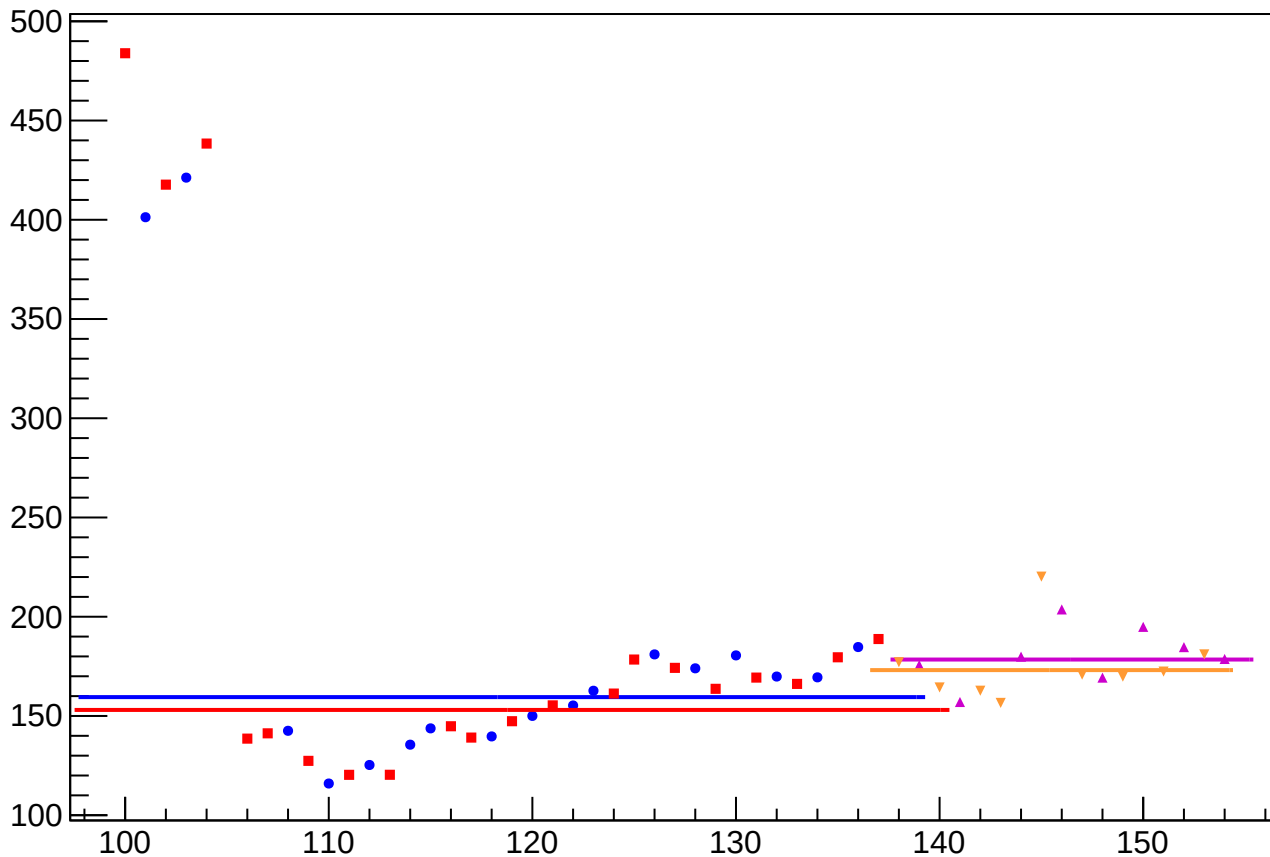
176.356+/-0.036 χ^2/NDF : 1466208.8/27

yield_bpm1i02WS_mean vs Slug



Right In: 154783.944+/-0.065	χ^2/NDF : 265581398.0/16	150189.921+/-0.047	χ^2/NDF : 11971354431.0/2
Left Out: 145187.973+/-0.068	χ^2/NDF : 1388801091.1/8		
Right Out: 154820.824+/-0.061	χ^2/NDF : 293904936.4/19	150394.657+/-0.046	χ^2/NDF : 13525674544.5/2
Left In: 144419.684+/-0.070	χ^2/NDF : 710663539.7/7		

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 173.106 $\pm$ 0.048 χ^2 /NDF:97089.2/8

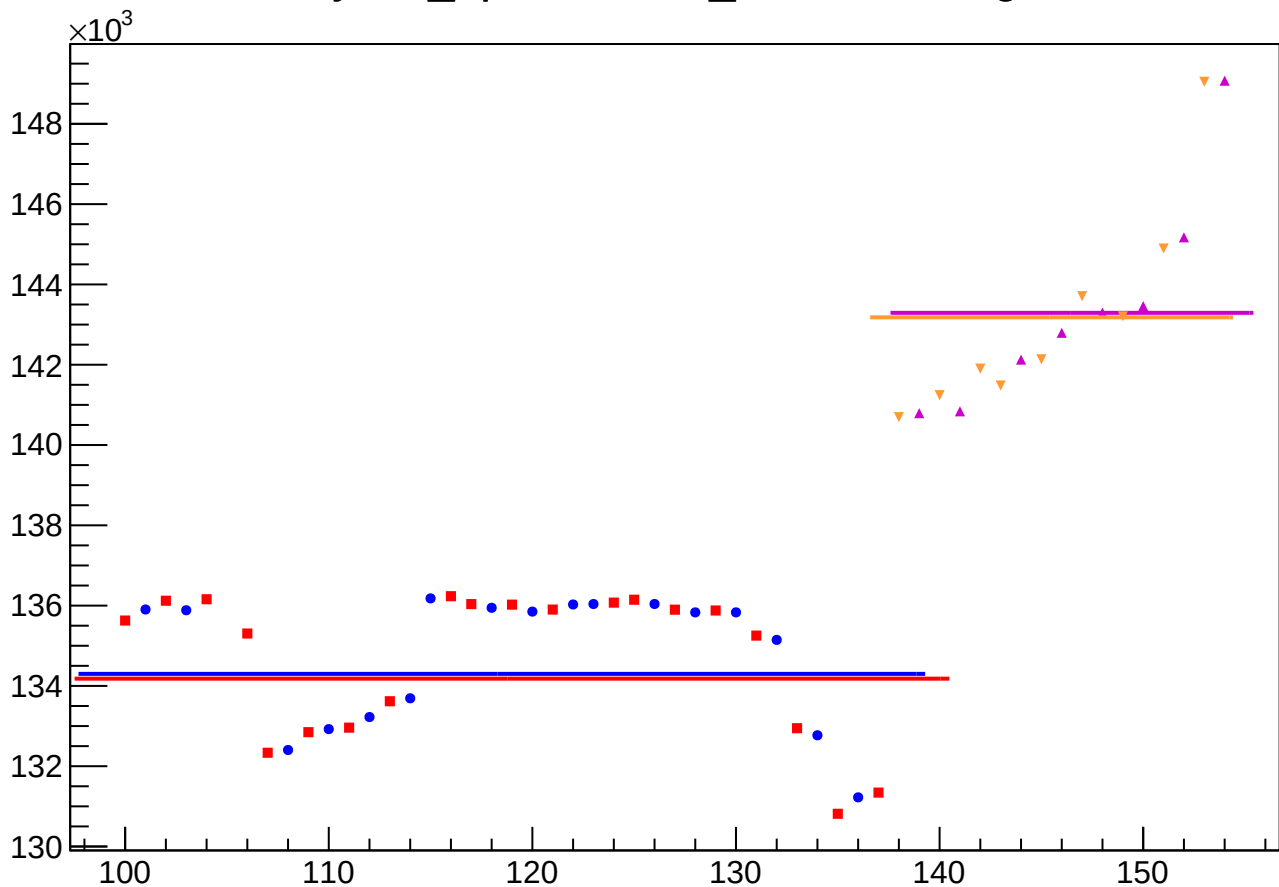
Right Out: 153.038 $\pm$ 0.043 χ^2 /NDF: 1174616.4/19

Left In: 178.428 $\pm$ 0.050 χ^2 /NDF:74408.6/7

166.016 $\pm$ 0.033 χ^2 /NDF: 1270396.0/25

163.842 $\pm$ 0.032 χ^2 /NDF: 1398250.4/27

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 $\pm$ 0.050 χ^2 /NDF: 1149581803.2/16

Left Out: 143180.585 $\pm$ 0.067 χ^2 /NDF: 1330555892.4/8

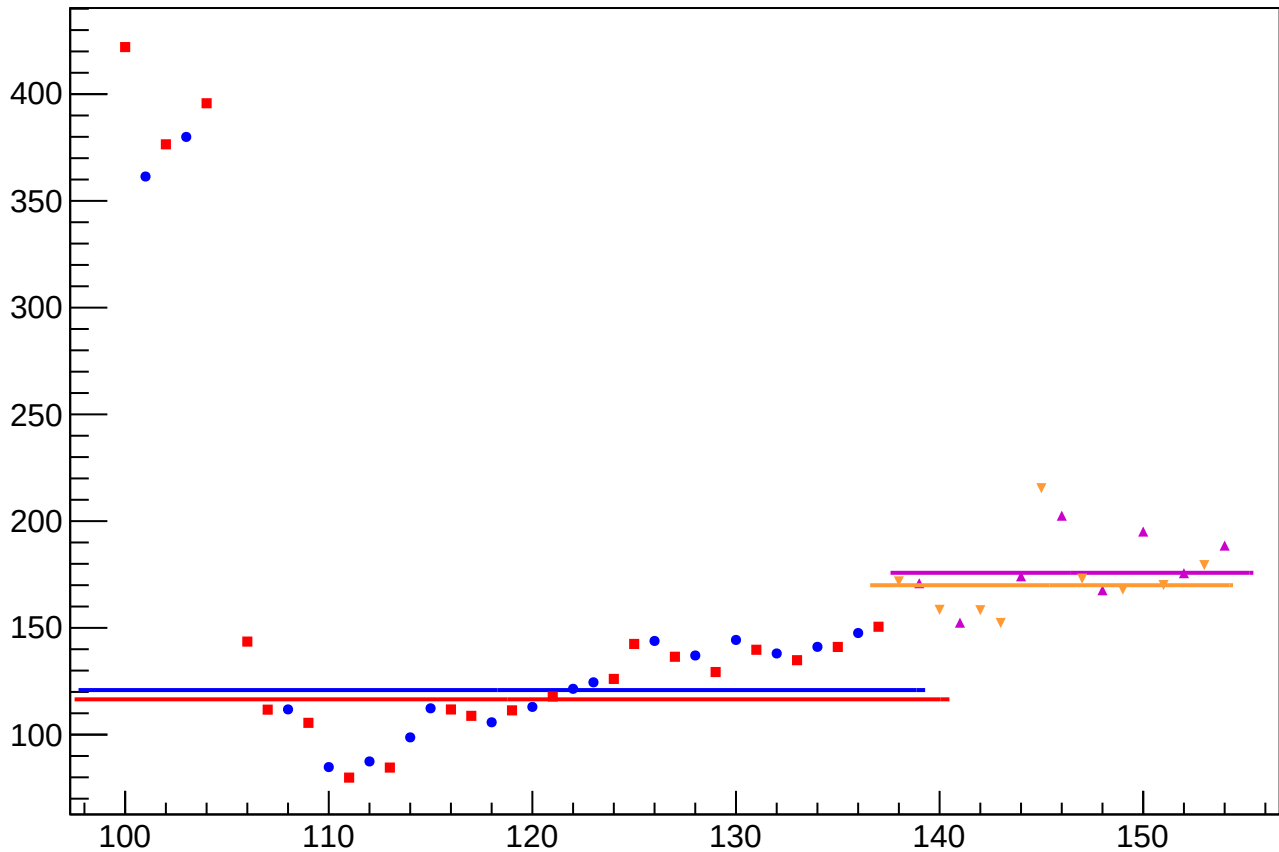
Right Out: 134180.888 $\pm$ 0.047 χ^2 /NDF: 1224202240.2/19

Left In: 143293.101 $\pm$ 0.070 χ^2 /NDF: 1275657091.1/7

137500.557 $\pm$ 0.040 χ^2 /NDF: 13695109453.5/2

137053.034 $\pm$ 0.039 χ^2 /NDF: 14247589639.7/2

yield_bpm1i04WS_rms vs Slug



Right In: 120.872+/-0.036 χ^2/NDF : 1463728.4/16

Left Out: 169.983+/-0.047 χ^2/NDF :103673.3/8

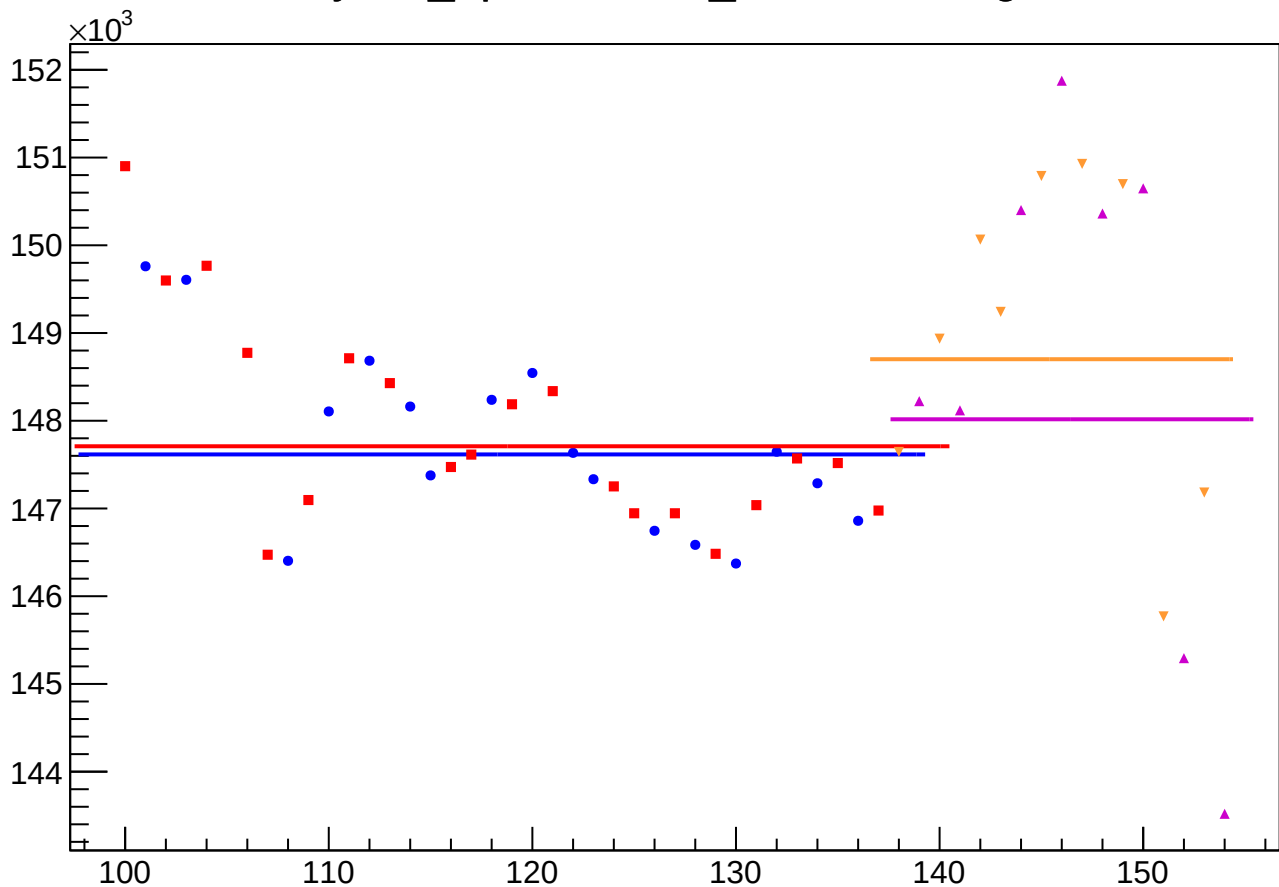
138.572+/-0.028 χ^2/NDF : 2253355.2/25

Right Out: 116.531+/-0.033 χ^2/NDF : 1541779.4/19

135.213+/-0.028 χ^2/NDF : 2631604.6/27

Left In: 175.800+/-0.049 χ^2/NDF :95801.7/7

yield_bpm1i06WS_mean vs Slug



Right In: 147616.150 ± 0.062 $\chi^2/\text{NDF}: 199263428.7/16$

Left Out: 148701.458 ± 0.079 $\chi^2/\text{NDF}: 480589121.8/8$

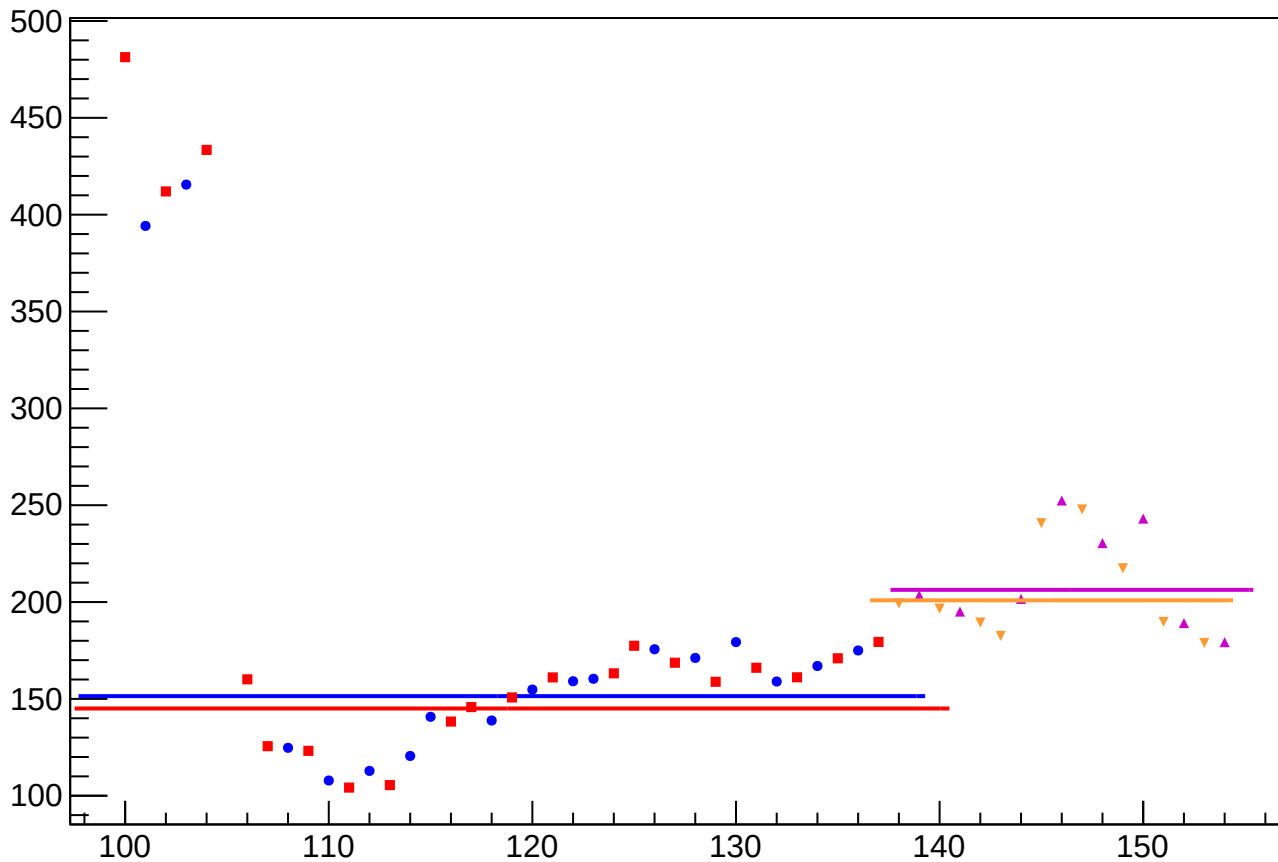
Right Out: 147709.096 ± 0.058 $\chi^2/\text{NDF}: 203924272.1/19$

Left In: 148016.671 ± 0.082 $\chi^2/\text{NDF}: 1174364870.0/7$

148031.235 ± 0.049 $\chi^2/\text{NDF}: 795240195.7/25$

147812.323 ± 0.047 $\chi^2/\text{NDF}: 1387683688.0/27$

yield_bpm1i06WS_rms vs Slug



Right In: 151.424 $\pm$ 0.044 χ^2 /NDF: 1257843.0/16

Left Out: 200.889 $\pm$ 0.056 χ^2 /NDF:153461.9/8

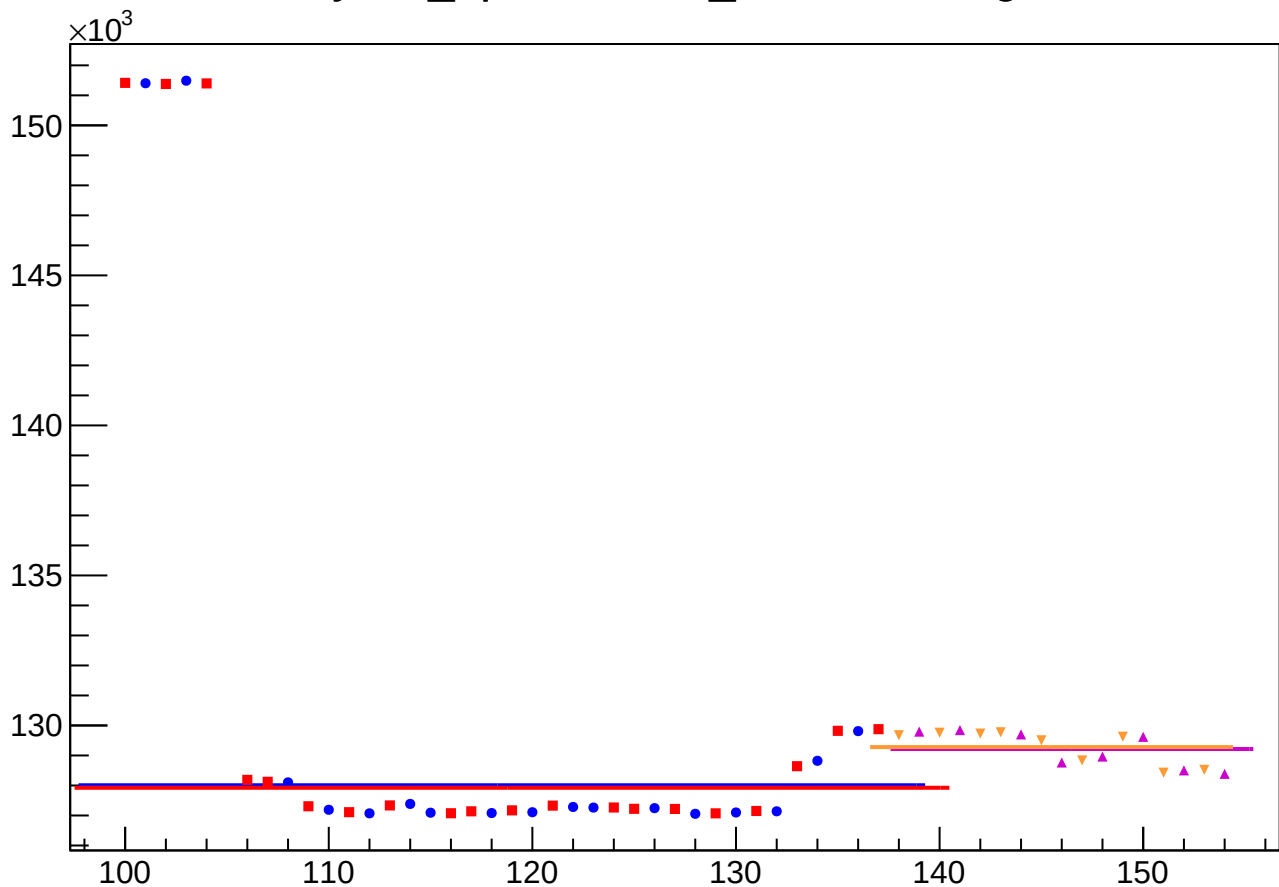
170.342 $\pm$ 0.035 χ^2 /NDF: 1890680.1/25

Right Out: 145.044 $\pm$ 0.041 χ^2 /NDF: 1375974.1/19

165.604 $\pm$ 0.034 χ^2 /NDF: 2288513.6/27

Left In: 206.305 $\pm$ 0.058 χ^2 /NDF:167178.2/7

yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16

Left Out: 129280.006 $\pm$ 0.066 χ^2 /NDF: 66734427.7/8

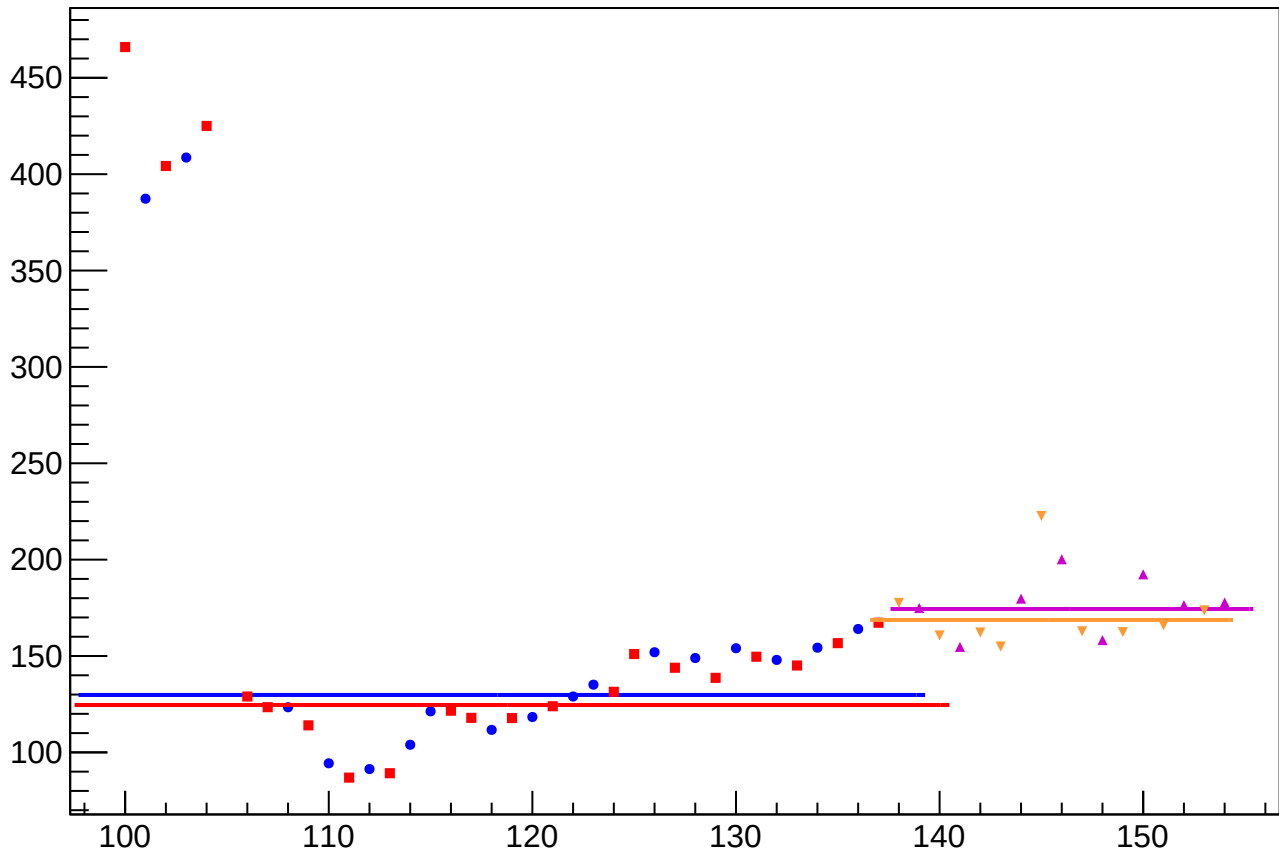
Right Out: 127923.940 $\pm$ 0.050 χ^2 /NDF: 3770107280.1/19

Left In: 129215.316 $\pm$ 0.069 χ^2 /NDF: 68572695.9/7

128514.749 $\pm$ 0.042 χ^2 /NDF: 4606949531.2/25

128371.347 $\pm$ 0.041 χ^2 /NDF: 4068100067.2/27

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 ± 0.038 χ^2/NDF : 1485294.2/16

Left Out: 168.709 ± 0.047 χ^2/NDF : 115241.7/8

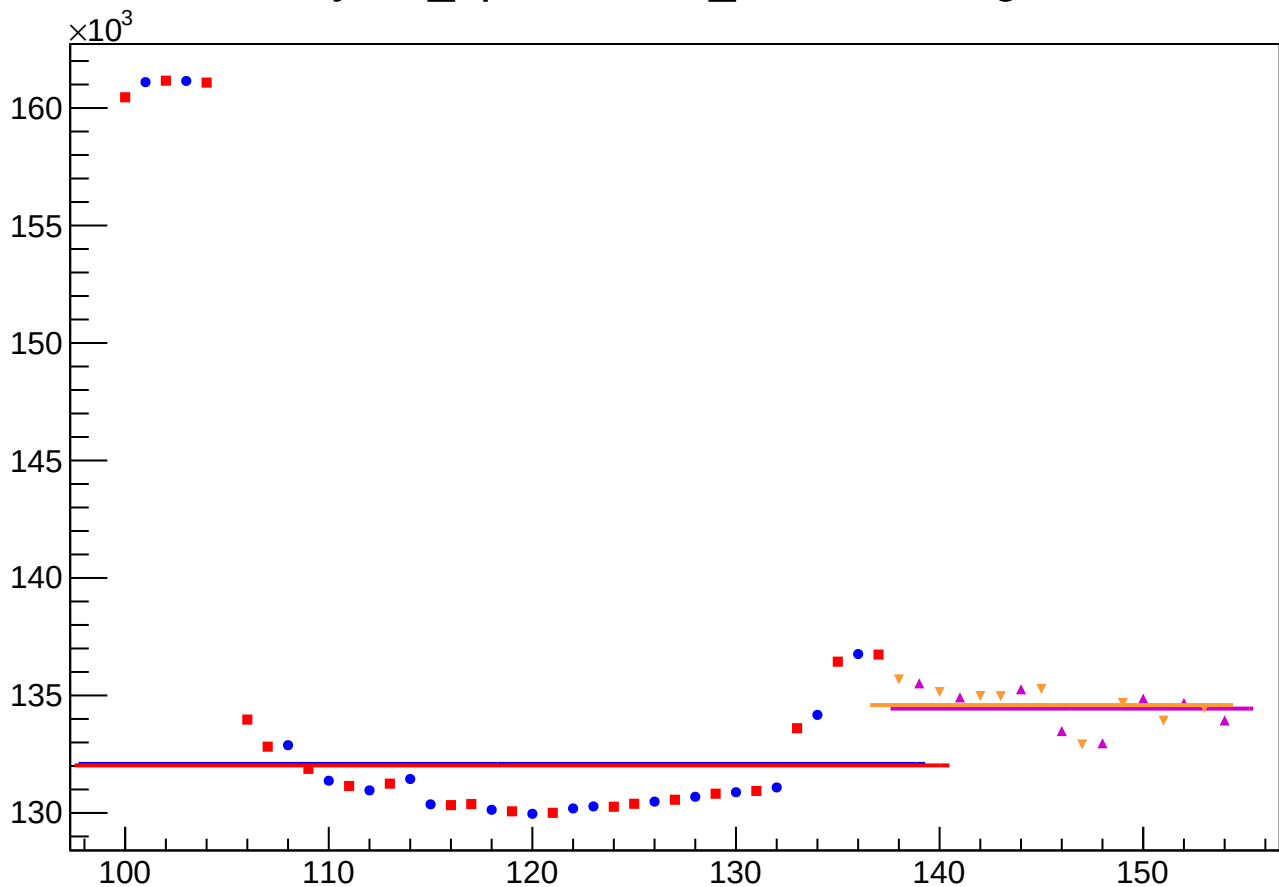
145.310 ± 0.030 χ^2/NDF : 2012694.9/25

Right Out: 124.572 ± 0.035 χ^2/NDF : 1532105.0/19

141.838 ± 0.029 χ^2/NDF : 2302515.8/27

Left In: 174.409 ± 0.049 χ^2/NDF : 87033.6/7

yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16

Left Out: 134590.496 $\pm$ 0.069 χ^2 /NDF:134097317.6/8

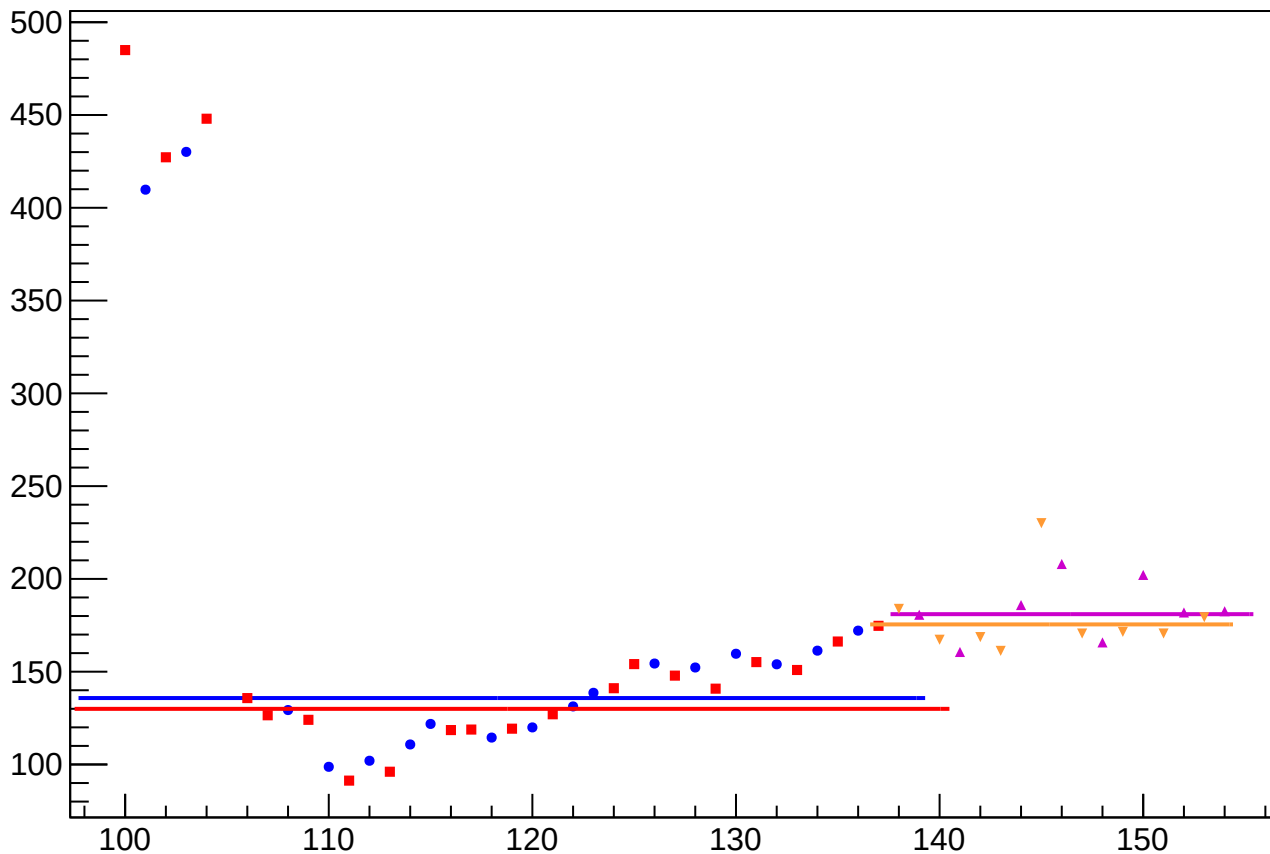
Right Out: 132023.609 $\pm$ 0.052 χ^2 /NDF: 5890492527.2/19

Left In: 134441.226 $\pm$ 0.072 χ^2 /NDF:139415283.1/7

133090.246 $\pm$ 0.044 χ^2 /NDF: 7653640813.8/25

132865.930 $\pm$ 0.042 χ^2 /NDF: 6774156040.9/27

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 $\pm$ 0.040 χ^2 /NDF: 1441904.9/16

Left Out: 175.480 $\pm$ 0.049 χ^2 /NDF:108740.6/8

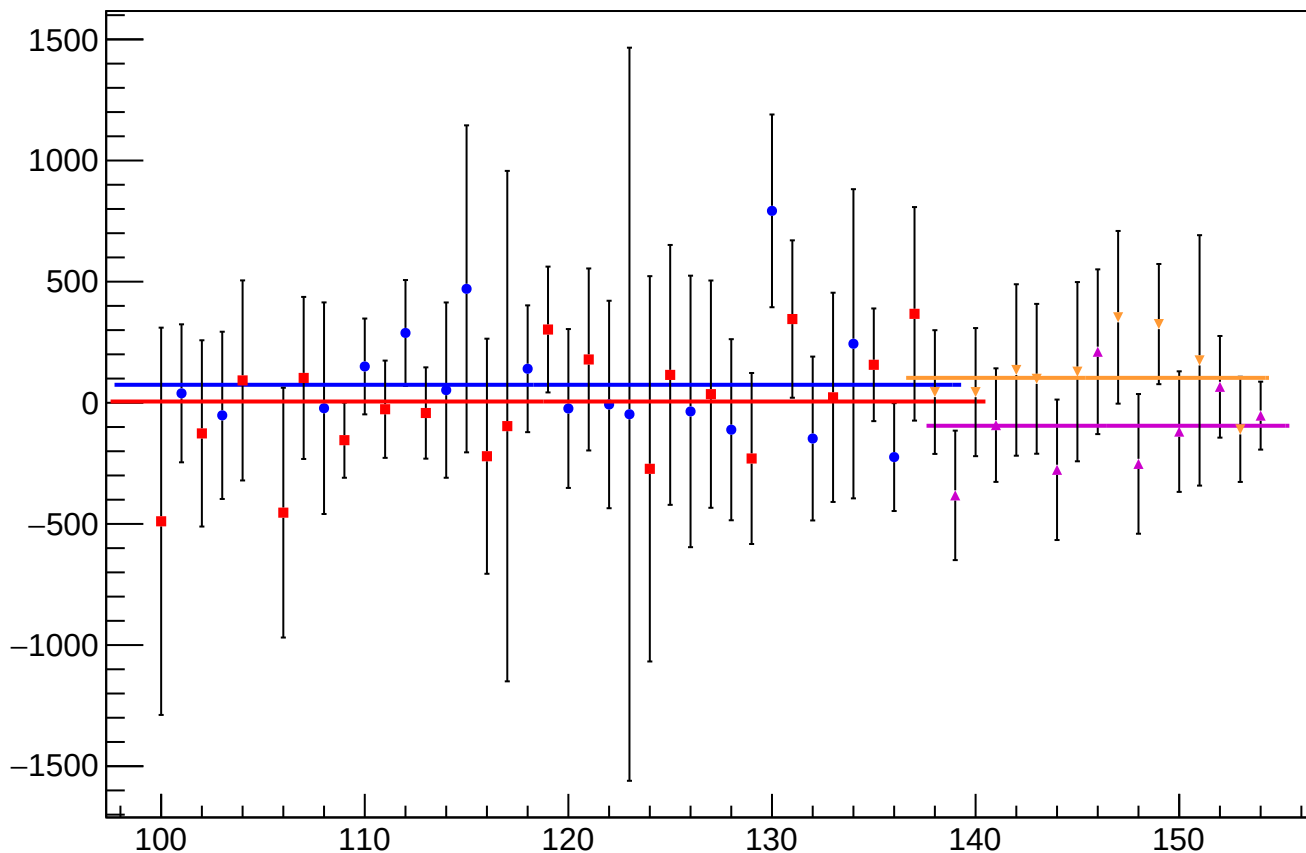
151.701 $\pm$ 0.031 χ^2 /NDF: 1945717.9/25

Right Out: 129.975 $\pm$ 0.037 χ^2 /NDF: 1504768.0/19

147.753 $\pm$ 0.030 χ^2 /NDF: 2254855.4/27

Left In: 181.002 $\pm$ 0.051 χ^2 /NDF:86994.7/7

asym_bcm_an_ds_mean vs Slug



Right In: 74.294+/-79.018 χ^2/NDF : 7.7/16

Left Out: 102.919+/-97.835 χ^2/NDF : 2.4/8

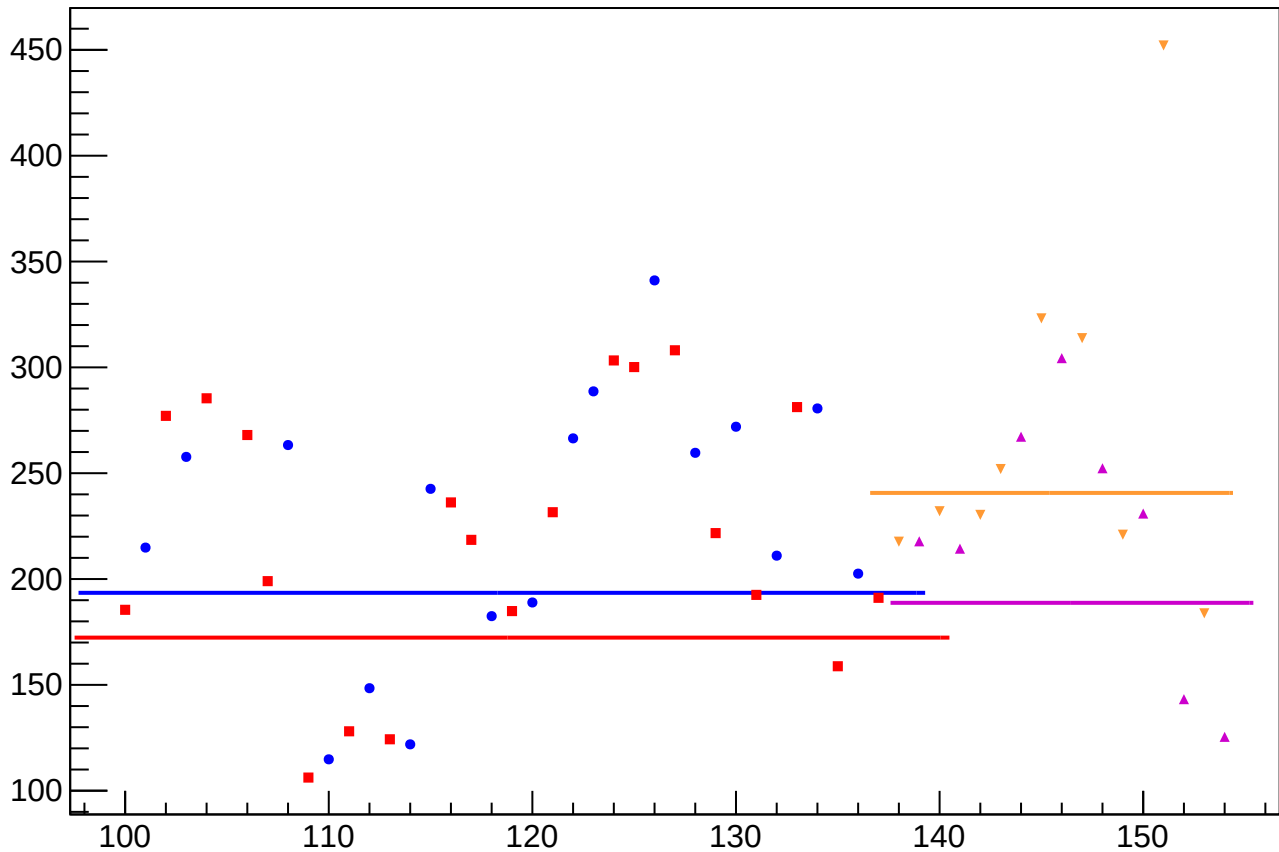
Right Out: 5.290+/-69.914 χ^2/NDF : 7.1/19

Left In: -94.815+/-80.451 χ^2/NDF : 3.3/7

85.595+/-61.472 χ^2/NDF : 10.1/25

-37.782+/-52.772 χ^2/NDF : 11.3/27

asym_bcm_an_ds_rms vs Slug



Right In: 193.488+/-0.056 χ^2/NDF : 1017195.7/16

Left Out: 240.689+/-0.069 χ^2/NDF : 690957.5/8

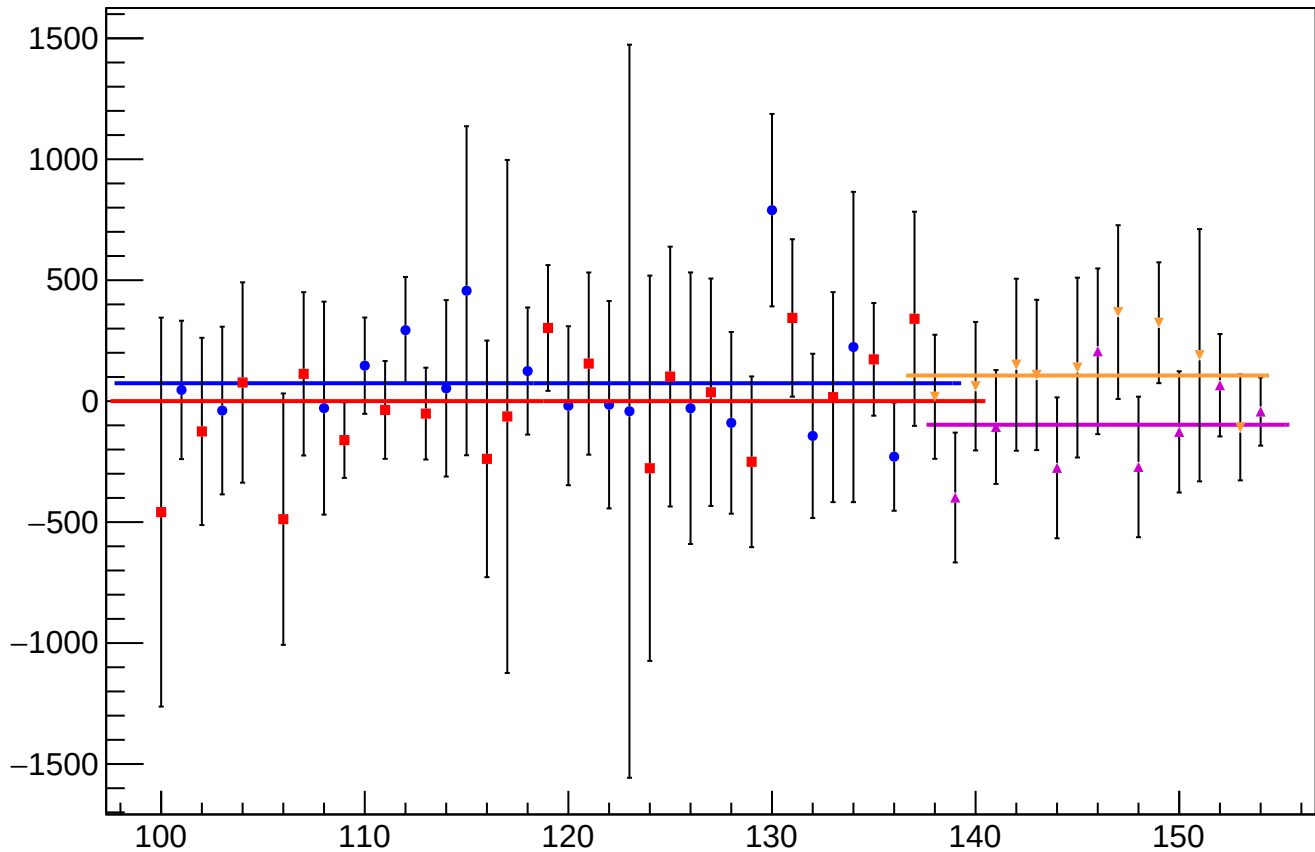
212.122+/-0.043 χ^2/NDF : 1989889.9/25

Right Out: 172.327+/-0.049 χ^2/NDF : 1583701.4/19

179.399+/-0.037 χ^2/NDF : 2712895.0/27

Left In: 188.763+/-0.057 χ^2/NDF : 1081631.9/7

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098+/-79.404 χ^2/NDF : 7.6/16

Left Out: 106.057+/-98.415 χ^2/NDF : 2.5/8

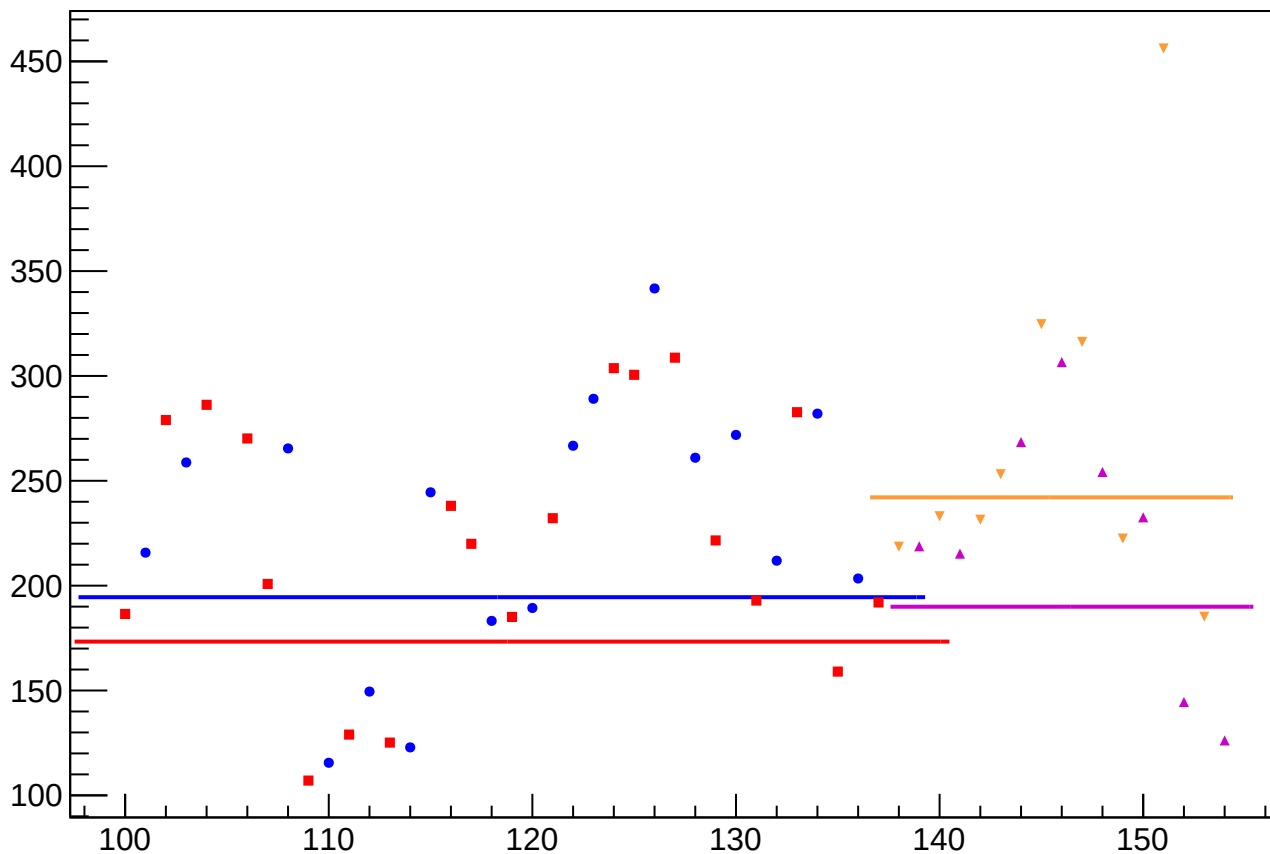
Right Out: 0.223+/-70.282 χ^2/NDF : 7.3/19

Left In: -97.502+/-80.957 χ^2/NDF : 3.5/7

86.699+/-61.797 χ^2/NDF : 10.1/25

-41.776+/-53.073 χ^2/NDF : 11.7/27

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496+/-0.056 χ^2/NDF : 1008514.7/16

Left Out: 242.099+/-0.070 χ^2/NDF :692014.6/8

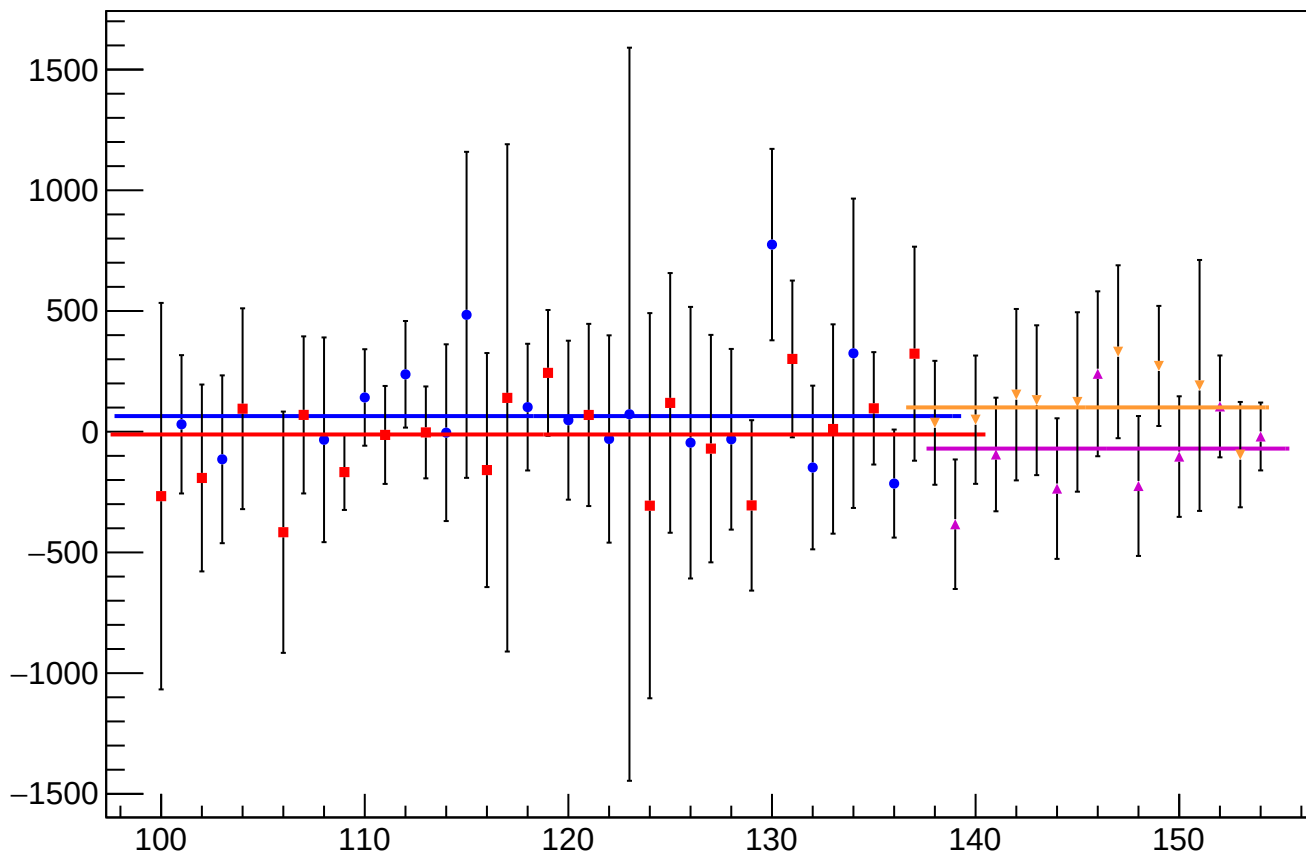
Right Out: 173.317+/-0.050 χ^2/NDF : 1571258.4/19

Left In: 189.955+/-0.057 χ^2/NDF :1079980.2/7

213.266+/-0.044 χ^2/NDF : 1983948.8/25

180.467+/-0.038 χ^2/NDF : 2699409.2/27

asym_bcm_an_us_mean vs Slug



Right In: 64.733 ± 79.399 $\chi^2/\text{NDF}: 7.0/16$

Left Out: 100.715 ± 98.259 $\chi^2/\text{NDF}: 1.9/8$

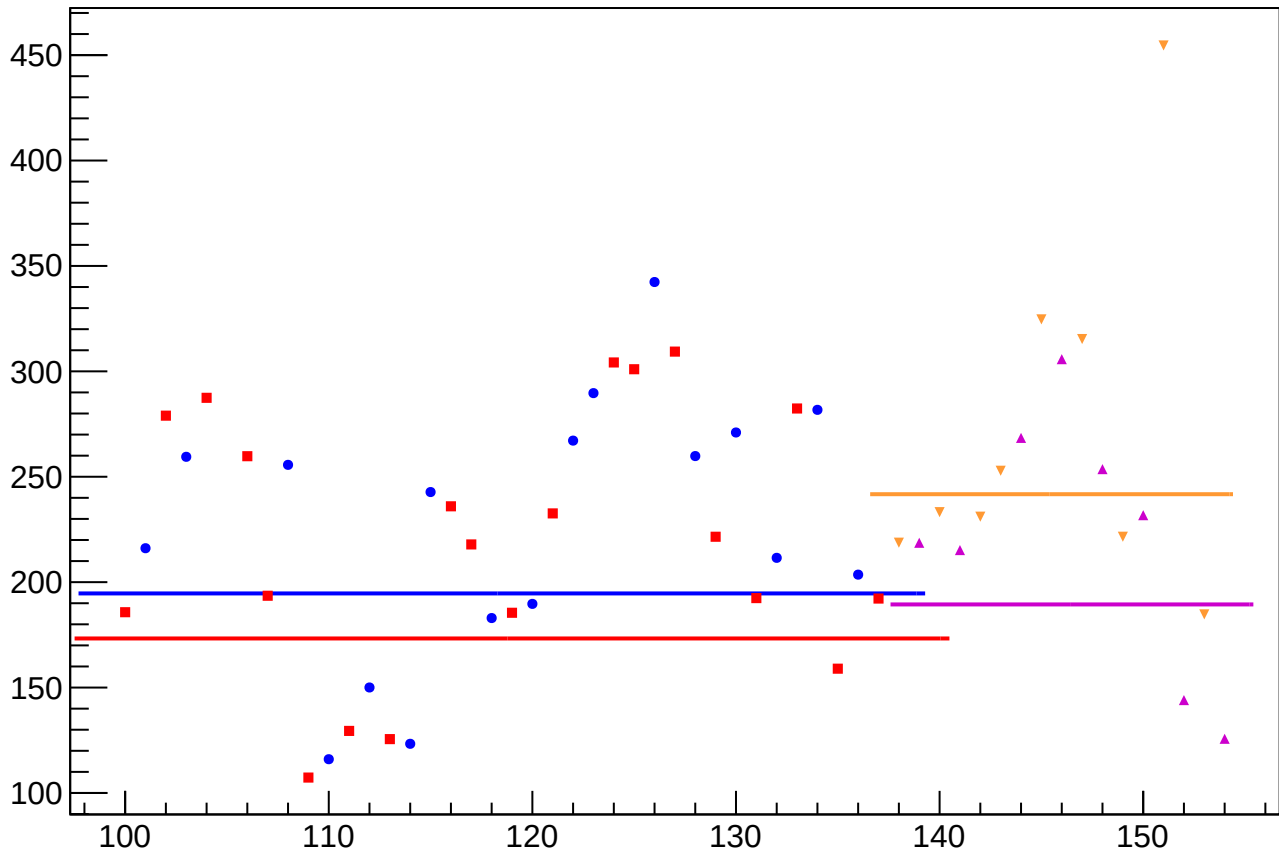
Right Out: -11.414 ± 70.204 $\chi^2/\text{NDF}: 5.8/19$

Left In: -69.914 ± 80.756 $\chi^2/\text{NDF}: 3.6/7$

78.947 ± 61.757 $\chi^2/\text{NDF}: 9.0/25$

-36.595 ± 52.982 $\chi^2/\text{NDF}: 9.8/27$

asym_bcm_an_us_rms vs Slug



Right In: 194.652+/-0.056 χ^2/NDF : 986798.9/16

Left Out: 241.723+/-0.069 χ^2/NDF : 691808.6/8

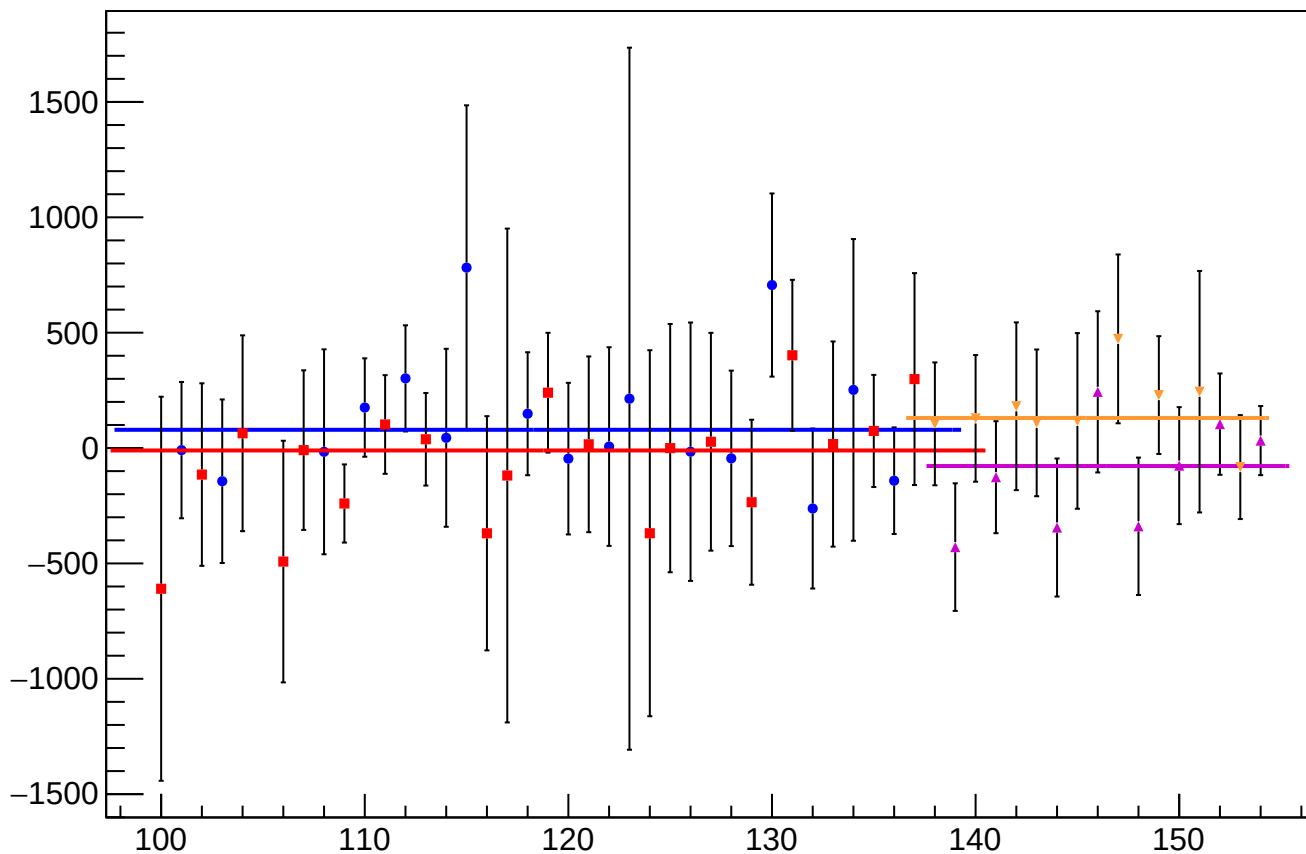
213.246+/-0.044 χ^2/NDF : 1956283.1/25

Right Out: 173.289+/-0.050 χ^2/NDF : 1548162.6/19

180.238+/-0.037 χ^2/NDF : 2679867.7/27

Left In: 189.434+/-0.057 χ^2/NDF : 1086175.8/7

asym_bcm_dg_us_mean vs Slug



Right In: 79.128 ± 81.874 χ^2/NDF : 7.5/16

Left Out: 130.413 ± 101.062 χ^2/NDF : 2.0/8

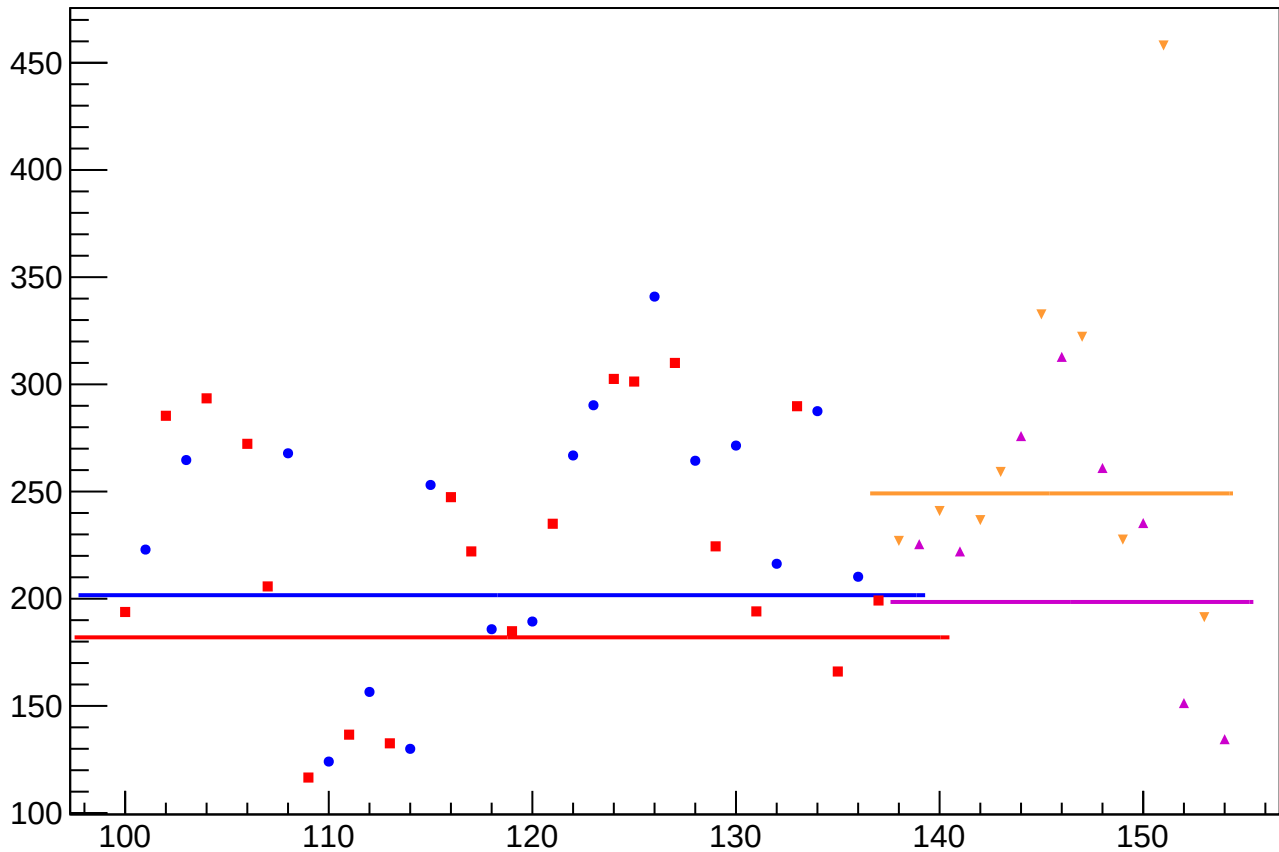
Right Out: -10.491 ± 73.139 χ^2/NDF : 7.9/19

Left In: -77.912 ± 84.036 χ^2/NDF : 5.3/7

99.450 ± 63.617 χ^2/NDF : 9.7/25

-39.549 ± 55.170 χ^2/NDF : 13.5/27

asym_bcm_dg_us_rms vs Slug



Right In: 201.654 $\pm$ 0.058 χ^2 /NDF: 883179.7/16

Left Out: 249.125 $\pm$ 0.071 χ^2 /NDF:660499.2/8

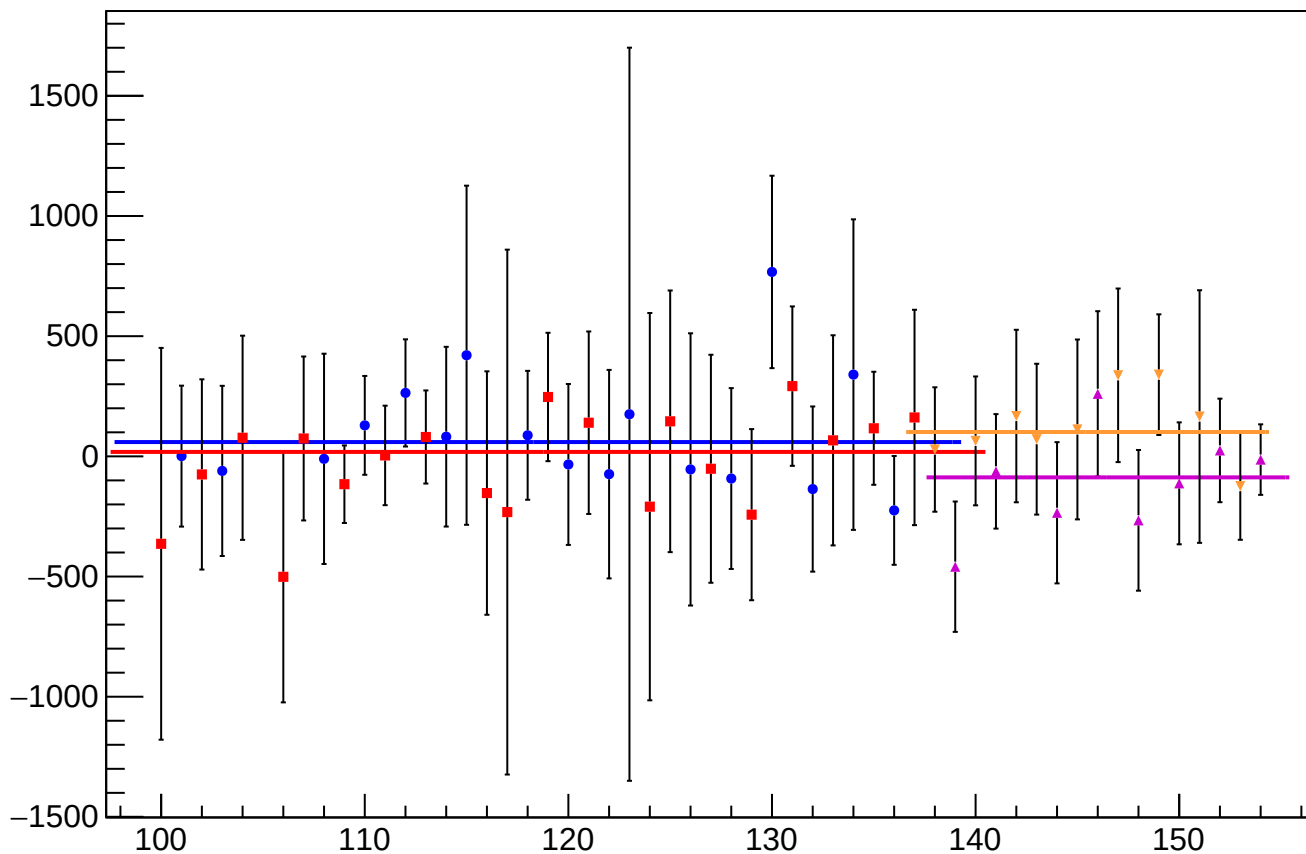
220.464 $\pm$ 0.045 χ^2 /NDF: 1810088.2/25

Right Out: 181.986 $\pm$ 0.052 χ^2 /NDF: 1380269.0/19

189.100 $\pm$ 0.039 χ^2 /NDF: 2398144.7/27

Left In: 198.492 $\pm$ 0.059 χ^2 /NDF:973970.1/7

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496 ± 80.808 χ^2/NDF : 7.0/16

Left Out: 101.368 ± 99.451 χ^2/NDF : 2.5/8

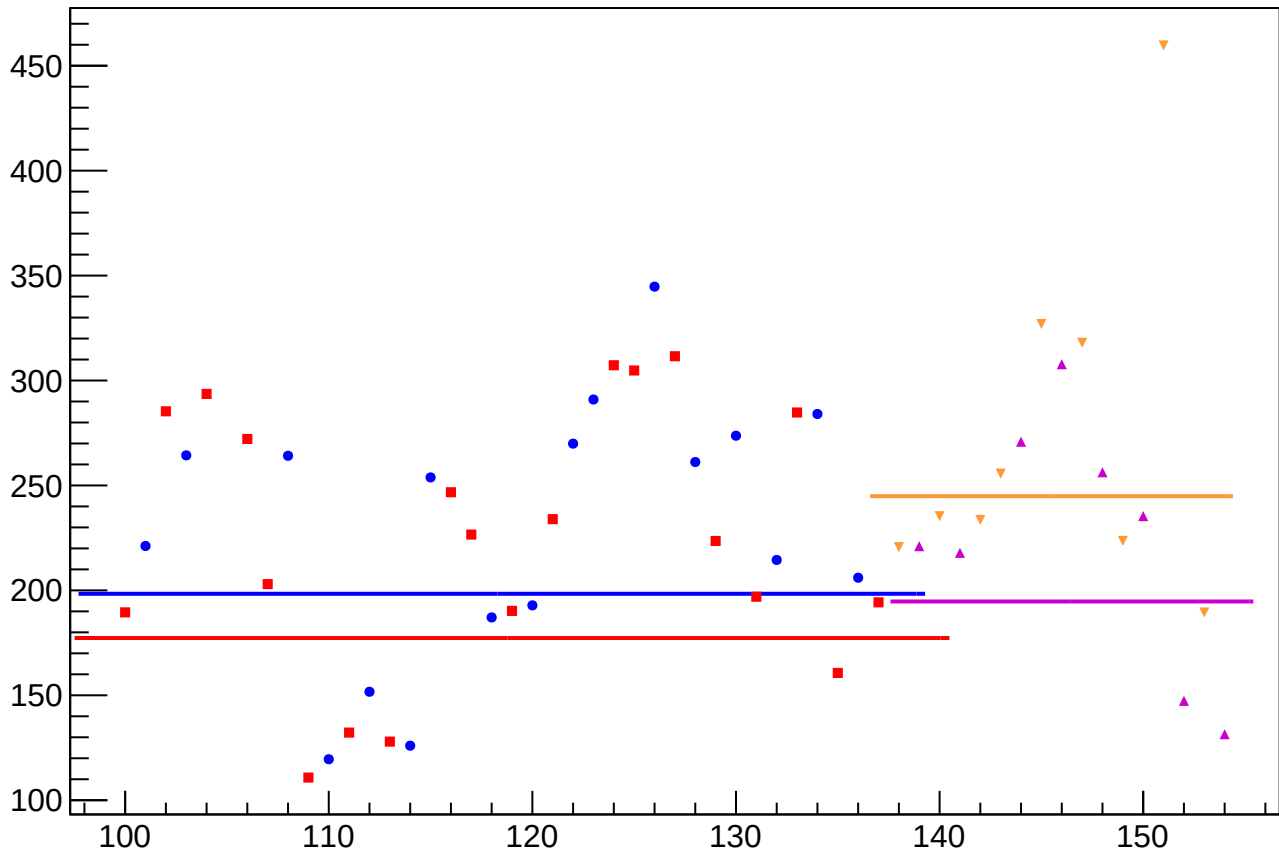
Right Out: 18.457 ± 71.711 χ^2/NDF : 4.8/19

Left In: -87.415 ± 82.619 χ^2/NDF : 4.1/7

76.147 ± 62.715 χ^2/NDF : 9.6/25

-27.033 ± 54.156 χ^2/NDF : 9.8/27

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378 ± 0.057 χ^2/NDF : 963672.6/16

Left Out: 244.897 ± 0.070 χ^2/NDF : 674180.6/8

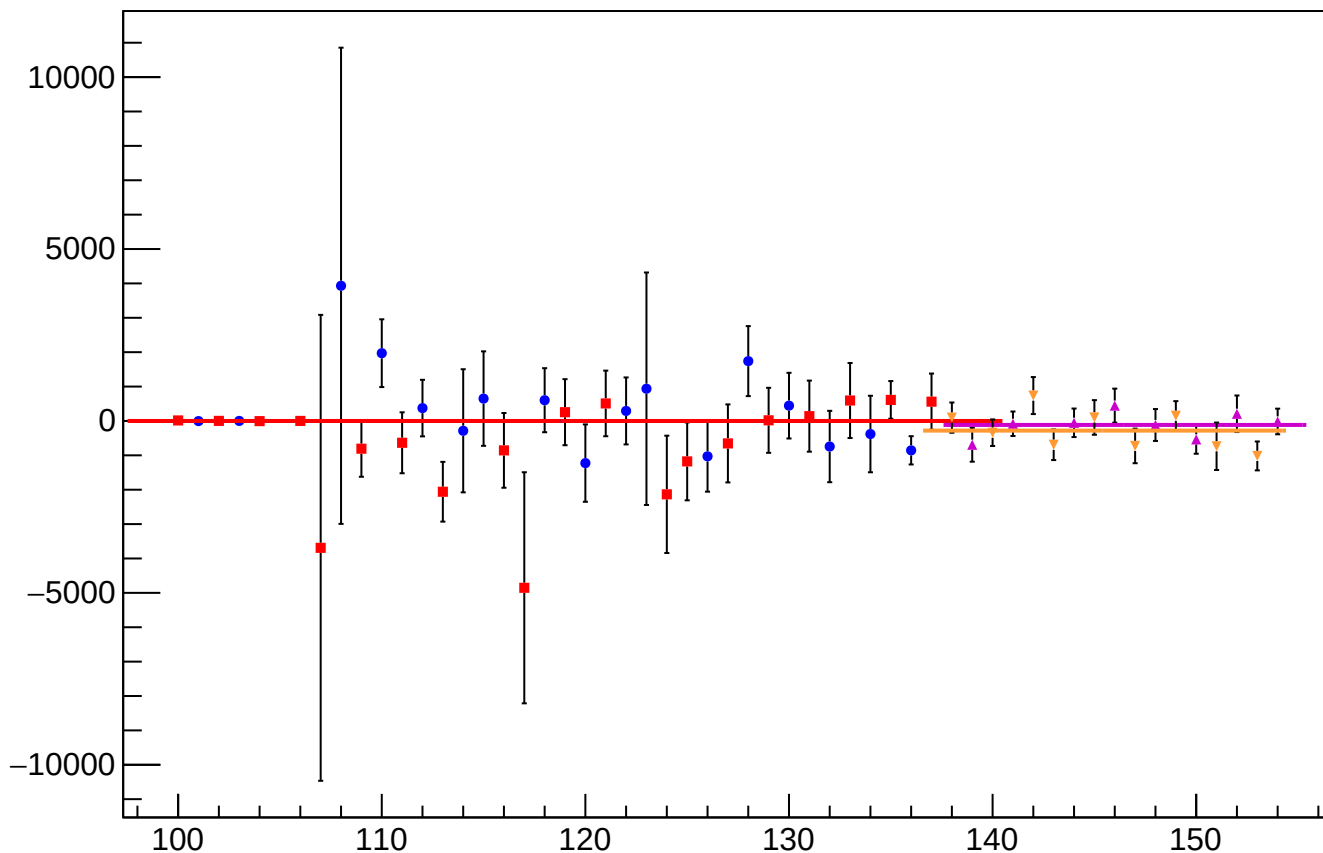
Right Out: 177.309 ± 0.051 χ^2/NDF : 1528855.2/19

Left In: 194.708 ± 0.058 χ^2/NDF : 996474.3/7

216.878 ± 0.044 χ^2/NDF : 1901427.6/25

184.785 ± 0.038 χ^2/NDF : 2575914.1/27

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -281.235 ± 155.162 χ^2/NDF : 11.1/8

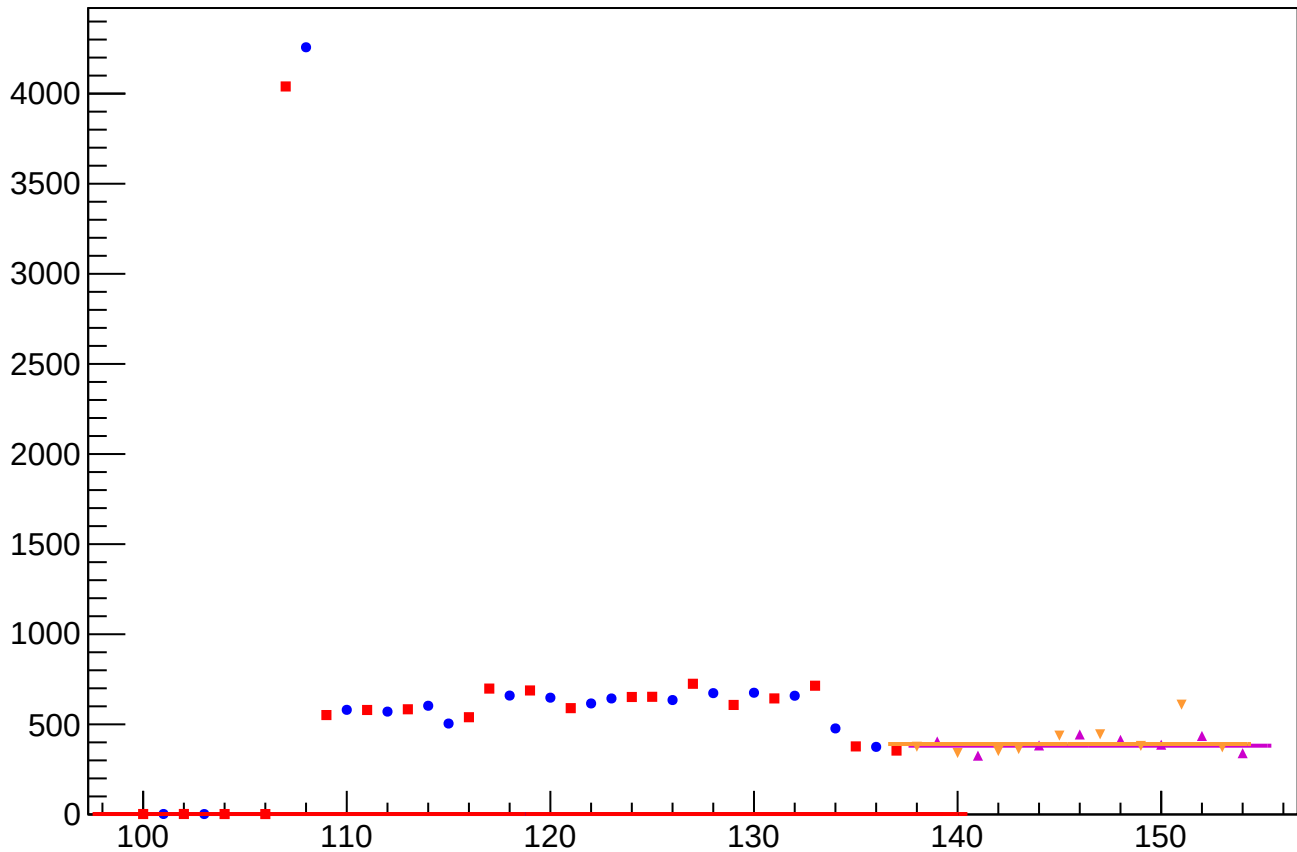
Right Out: -0.728 ± 2.111 χ^2/NDF : 21.4/19

Left In: -115.902 ± 152.452 χ^2/NDF : 4.1/7

-1.588 ± 2.251 χ^2/NDF : 31.3/25

-0.751 ± 2.111 χ^2/NDF : 26.1/27

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 390.893+/-0.110 χ^2/NDF : 299876.5/8

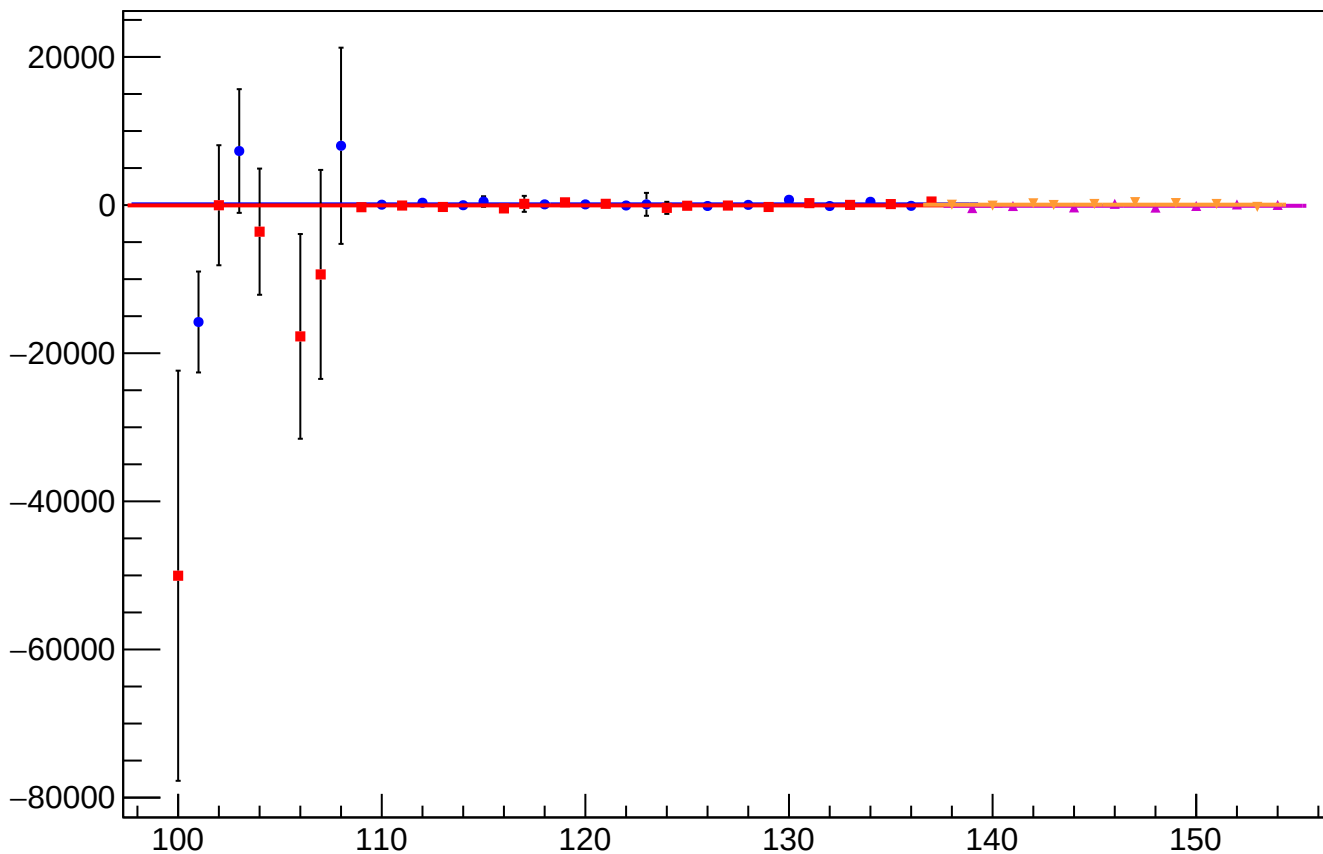
Right Out: 2.437+/-0.001 χ^2/NDF : 11233207.9/19

Left In: 381.580+/-0.108 χ^2/NDF : 140326.9/7

2.538+/-0.002 χ^2/NDF : 23679327.6/25

2.510+/-0.001 χ^2/NDF : 23741242.7/27

asym_cav4cQ_mean vs Slug



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: 54.603+/-105.337 χ^2/NDF : 3.5/8

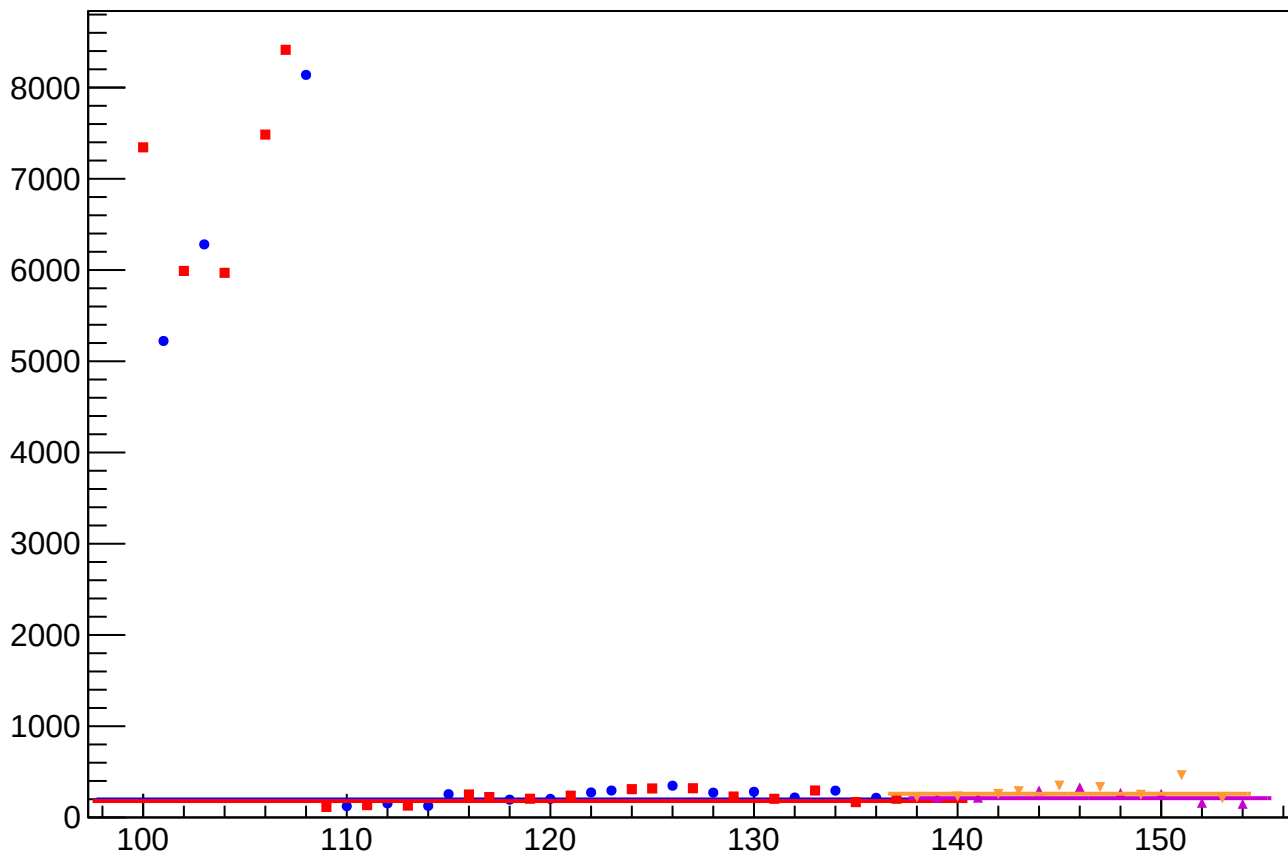
Right Out: -41.024+/-84.237 χ^2/NDF : 13.9/19

Left In: -94.463+/-88.797 χ^2/NDF : 4.1/7

79.855+/-68.801 χ^2/NDF : 15.4/25

-66.336+/-61.113 χ^2/NDF : 18.2/27

asym_cav4cQ_rms vs Slug



Right In: 197.086+/-0.064 χ^2/NDF : 3693614.0/16

Left Out: 259.973+/-0.074 χ^2/NDF : 642721.3/8

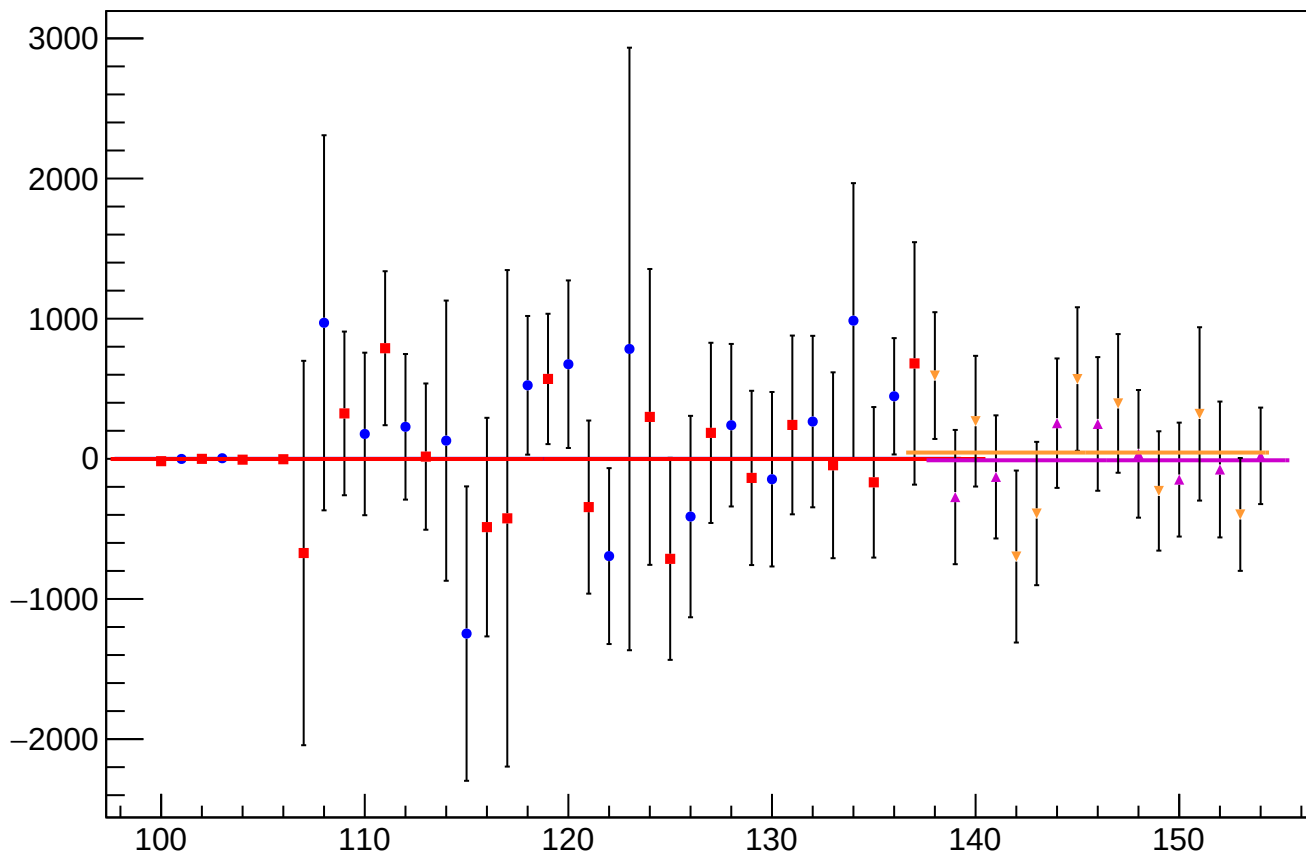
Right Out: 180.217+/-0.060 χ^2/NDF : 4324457.3/19

Left In: 211.197+/-0.063 χ^2/NDF : 848317.0/7

223.914+/-0.049 χ^2/NDF : 4745077.8/25

194.891+/-0.043 χ^2/NDF : 5300903.0/27

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: 44.650 ± 161.878 χ^2/NDF : 7.3/8

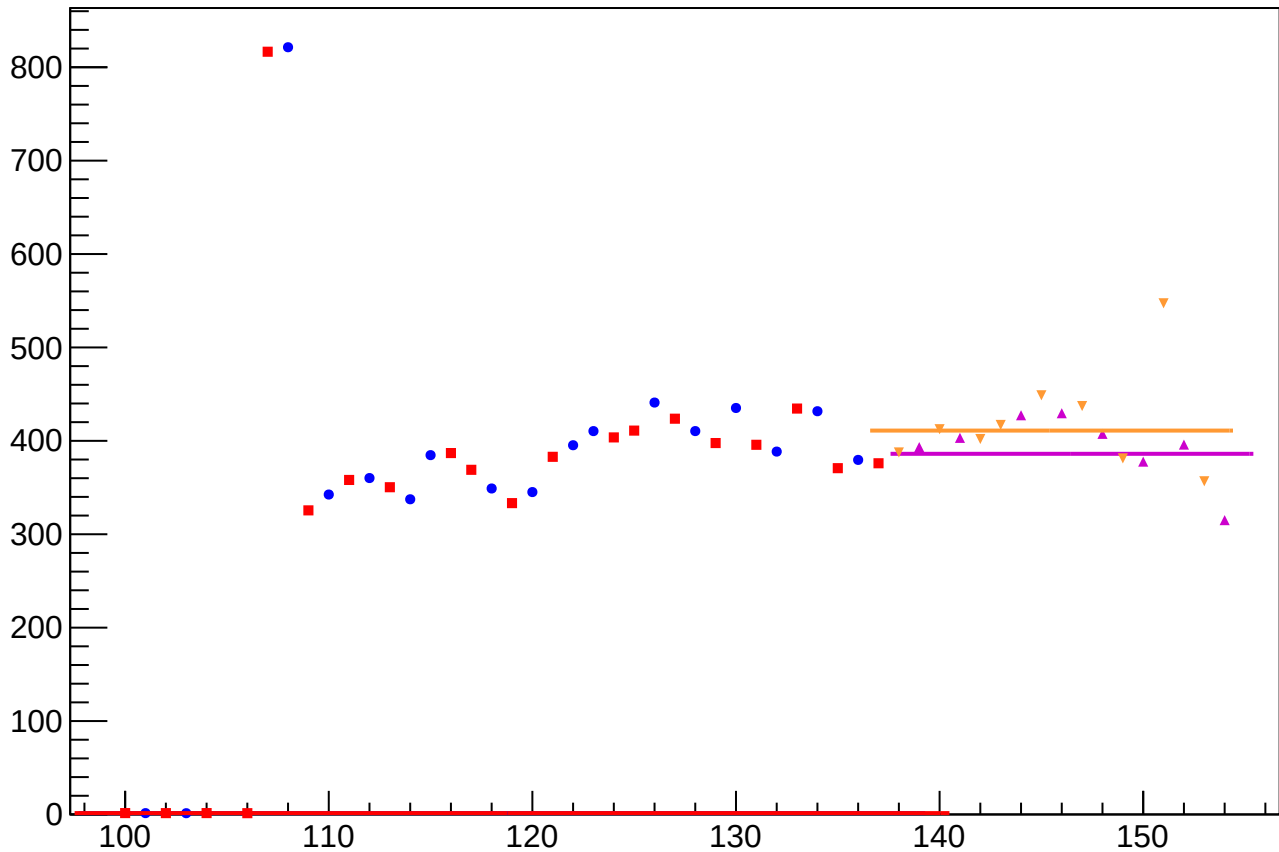
Right Out: -1.324 ± 1.623 χ^2/NDF : 9.7/19

Left In: -10.446 ± 153.944 χ^2/NDF : 1.2/7

-0.133 ± 1.737 χ^2/NDF : 17.1/25

-1.325 ± 1.622 χ^2/NDF : 10.8/27

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 410.994+/-0.114 χ^2/NDF : 165848.2/8

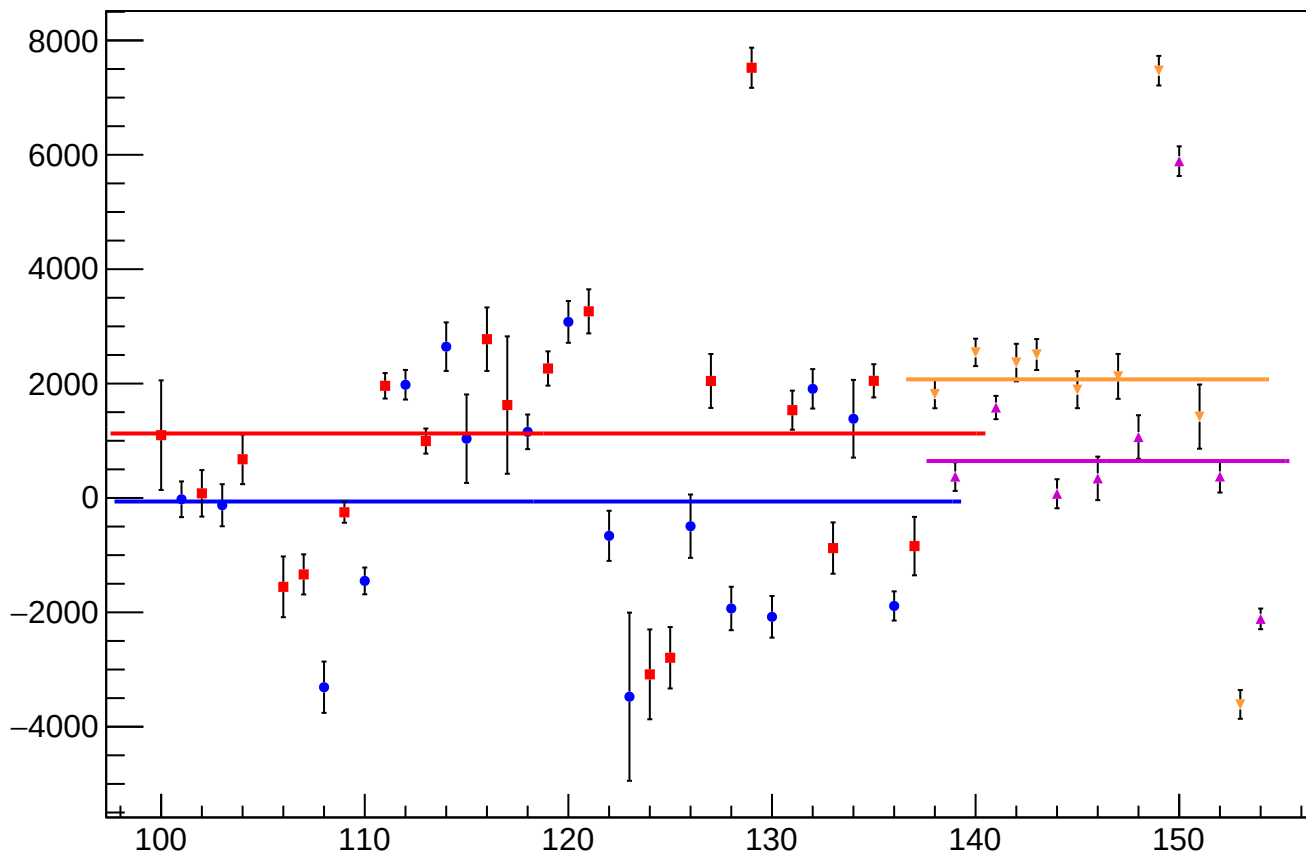
Right Out: 1.451+/-0.001 χ^2/NDF : 10966832.6/19

Left In: 386.122+/-0.109 χ^2/NDF : 127232.1/7

1.500+/-0.001 χ^2/NDF : 23923526.6/25

1.494+/-0.001 χ^2/NDF : 23580437.4/27

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 $\chi^2/\text{NDF}: 433.9/16$

Left Out: 2073.624 ± 96.862 $\chi^2/\text{NDF}: 955.9/8$

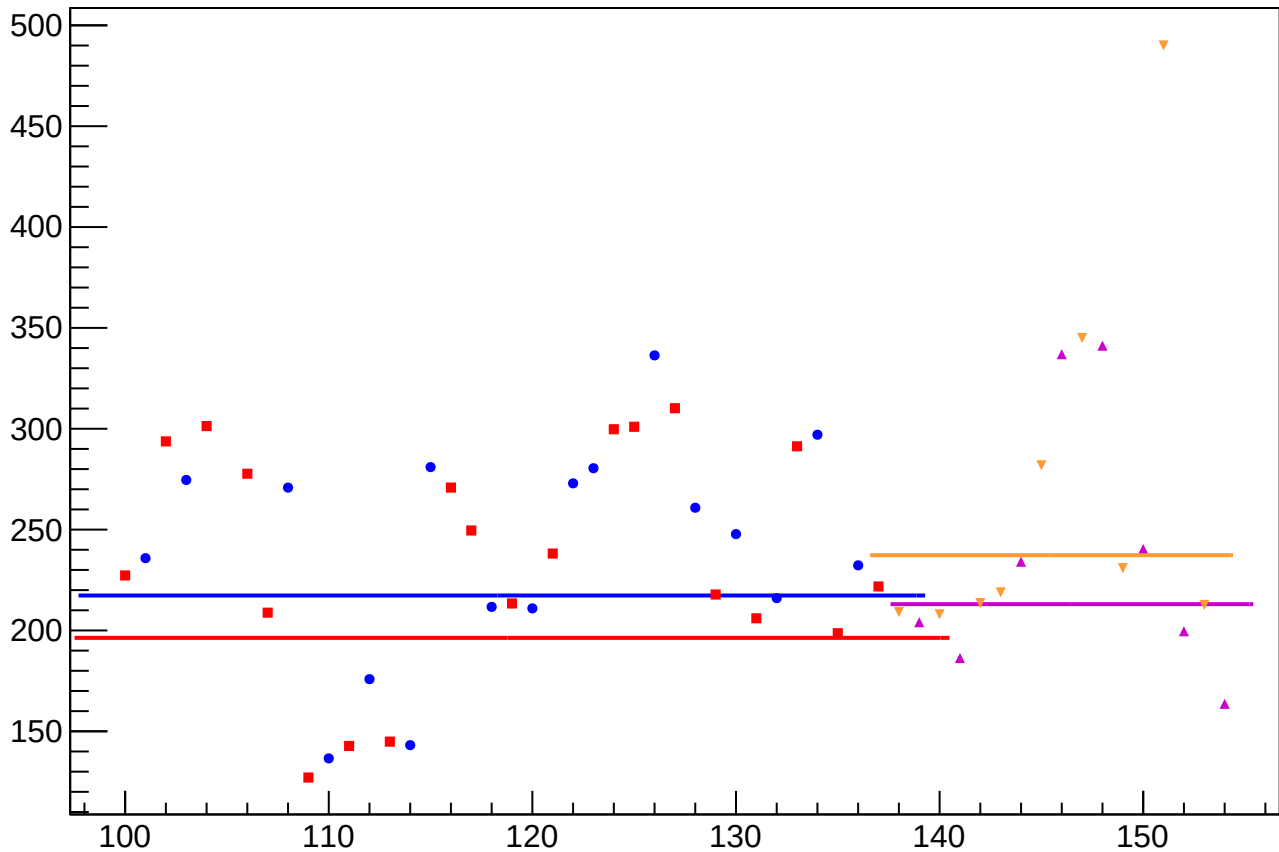
Right Out: 1127.552 ± 78.203 $\chi^2/\text{NDF}: 671.4/19$

Left In: 645.586 ± 88.557 $\chi^2/\text{NDF}: 671.9/7$

896.632 ± 64.899 $\chi^2/\text{NDF}: 1657.7/25$

916.378 ± 58.619 $\chi^2/\text{NDF}: 1359.9/27$

asym_bcm0l02_rms vs Slug



Right In: 217.330 ± 0.062 χ^2/NDF : 652722.5/16

Left Out: 237.315 ± 0.068 χ^2/NDF : 690292.7/8

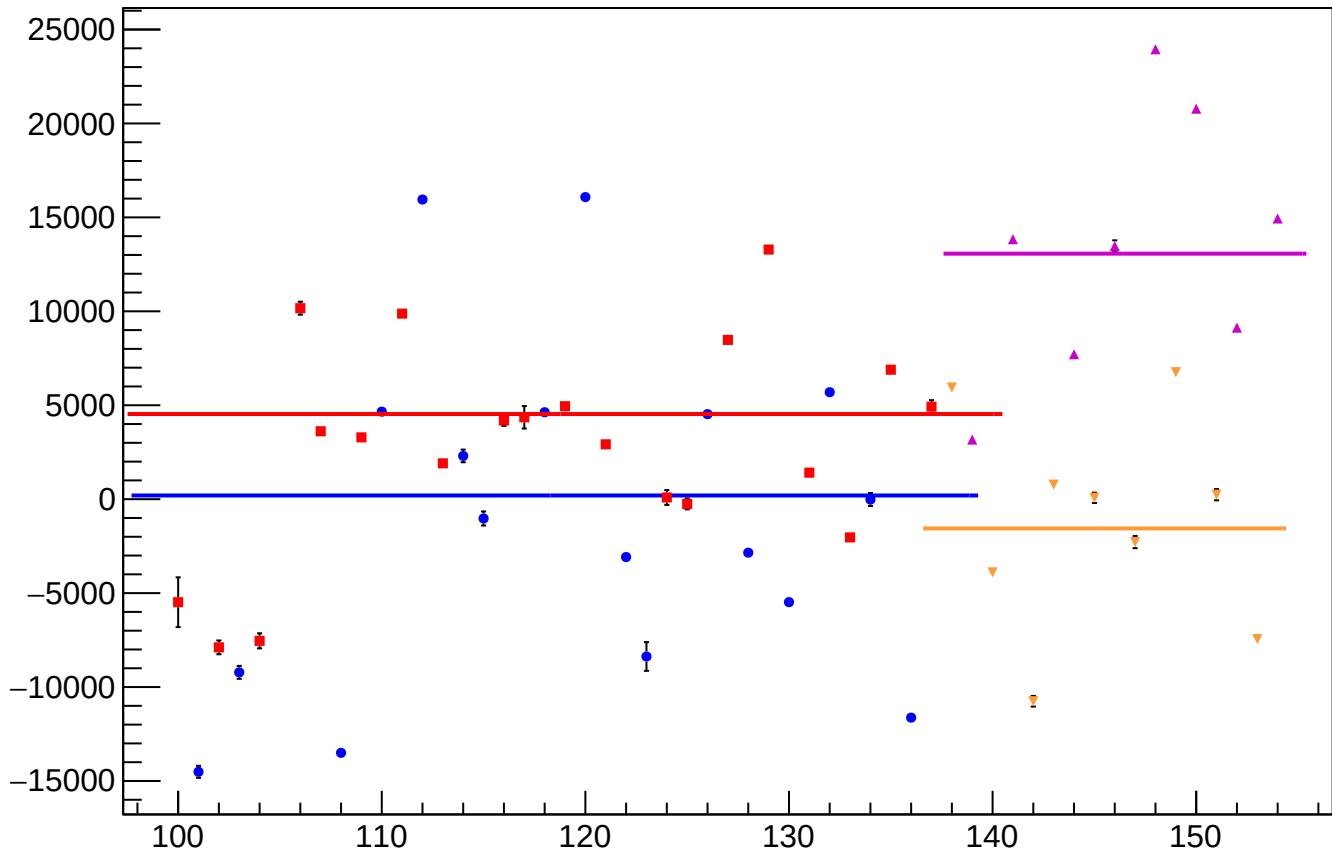
Right Out: 196.332 ± 0.055 χ^2/NDF : 1194678.0/19

Left In: 213.034 ± 0.063 χ^2/NDF : 665311.4/7

226.302 ± 0.046 χ^2/NDF : 1389935.4/25

203.650 ± 0.041 χ^2/NDF : 1899959.9/27

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 ± 54.799 χ^2/NDF : 30658.3/16

Left Out: -1555.864 ± 75.304 χ^2/NDF : 5739.6/8

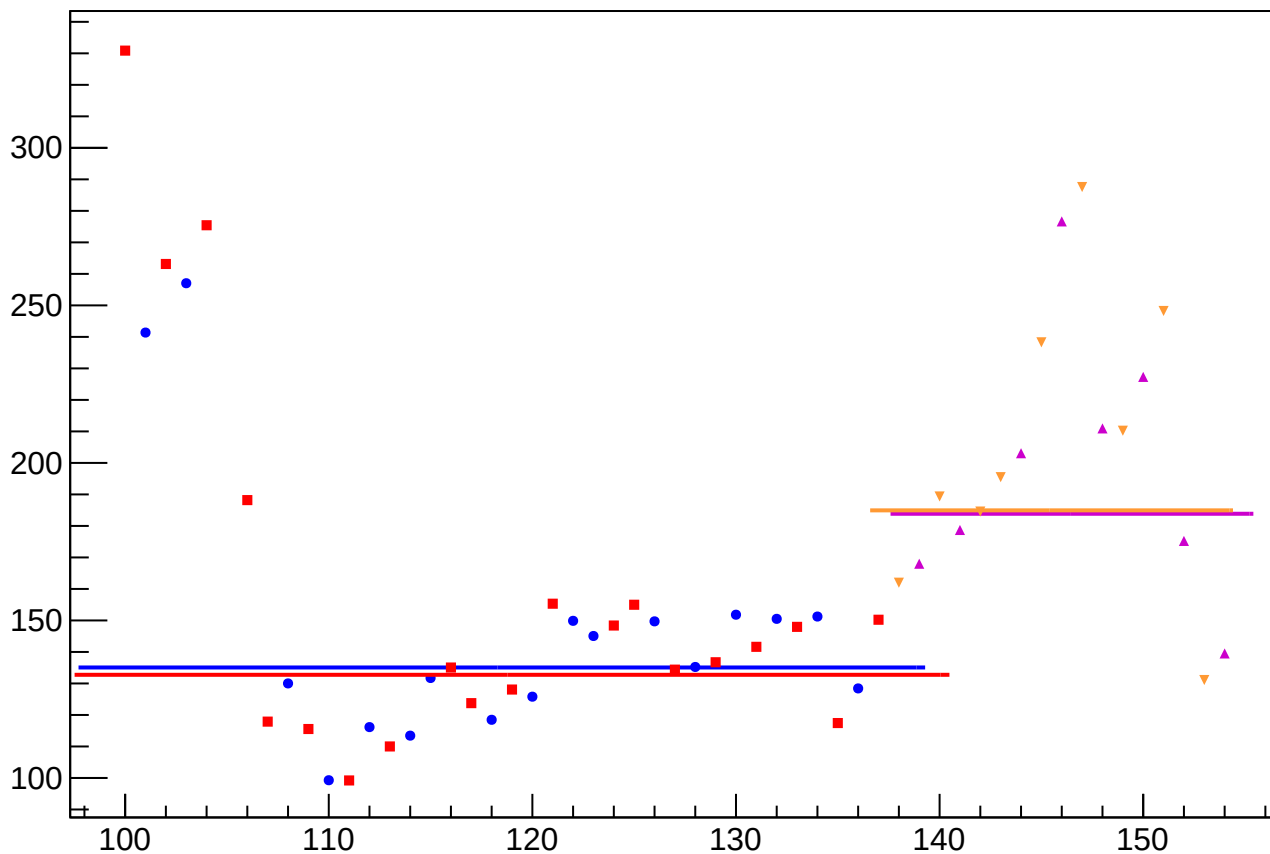
Right Out: 4532.856 ± 52.261 χ^2/NDF : 7477.3/19

Left In: 13069.433 ± 75.528 χ^2/NDF : 6318.6/7

-409.858 ± 44.309 χ^2/NDF : 36752.1/25

7296.717 ± 42.976 χ^2/NDF : 22434.6/27

asym_bpm0i02WS_rms vs Slug



Right In: 135.072+/-0.039 χ^2/NDF : 658703.5/16

Left Out: 184.940+/-0.053 χ^2/NDF : 685147.0/8

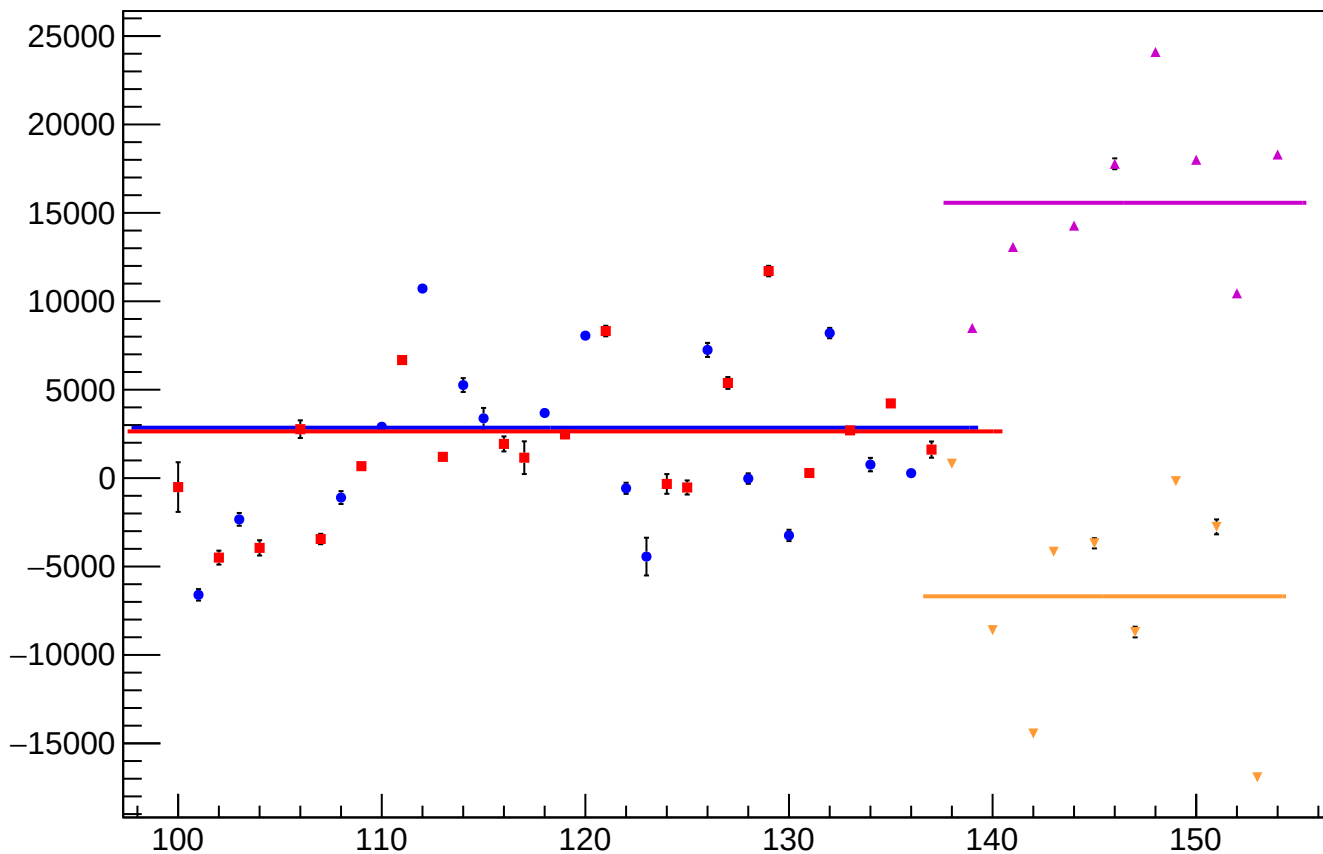
Right Out: 132.747+/-0.037 χ^2/NDF : 831647.2/19

Left In: 183.862+/-0.053 χ^2/NDF : 468650.5/7

152.337+/-0.031 χ^2/NDF : 1917278.5/25

149.296+/-0.030 χ^2/NDF : 1919734.6/27

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -6685.300+/-81.558 χ^2/NDF : 6127.2/8

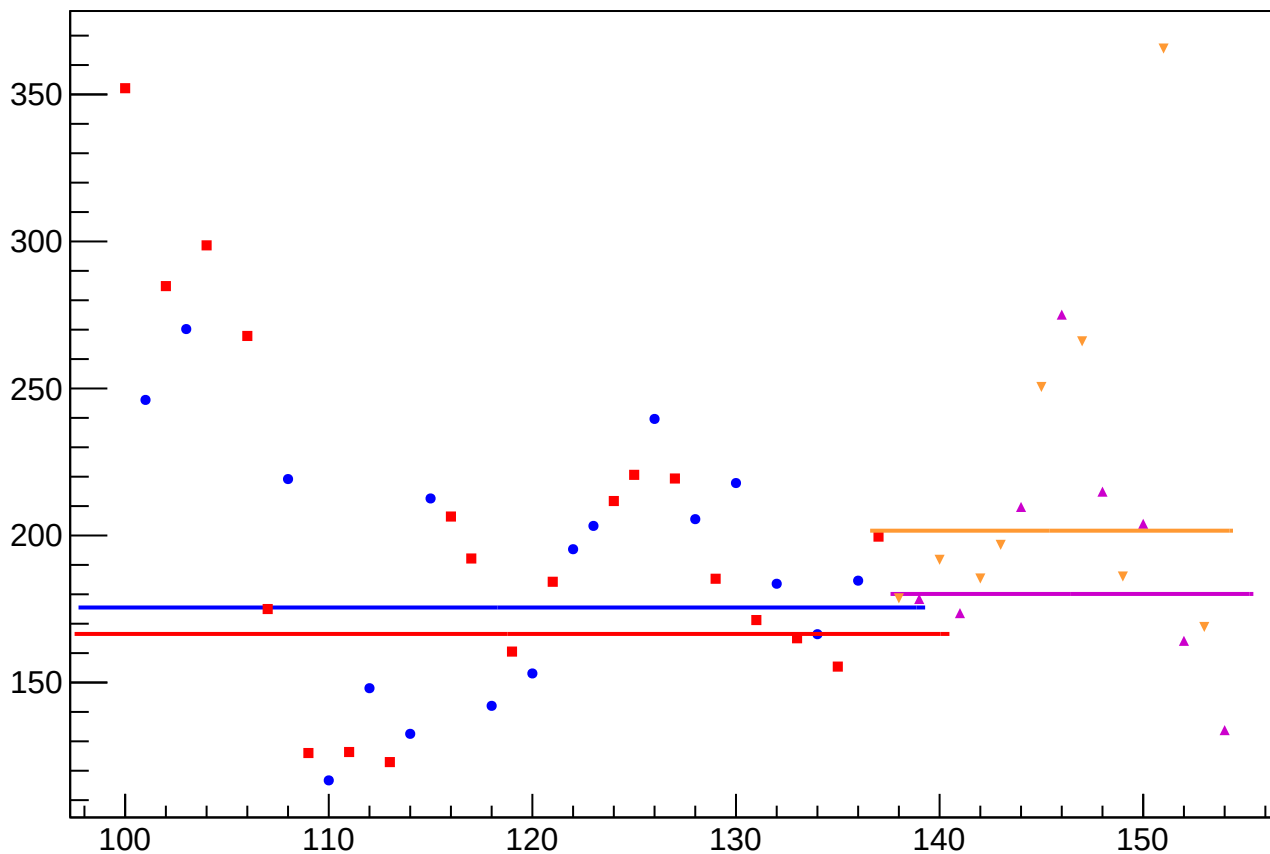
Right Out: 2641.642+/-65.566 χ^2/NDF : 3178.3/19

Left In: 15570.196+/-74.245 χ^2/NDF : 3498.3/7

-1243.806+/-53.445 χ^2/NDF : 18107.0/25

8306.373+/-49.145 χ^2/NDF : 23712.9/27

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514+/-0.050 χ^2/NDF : 689642.3/16

Left Out: 201.637+/-0.058 χ^2/NDF :552158.6/8

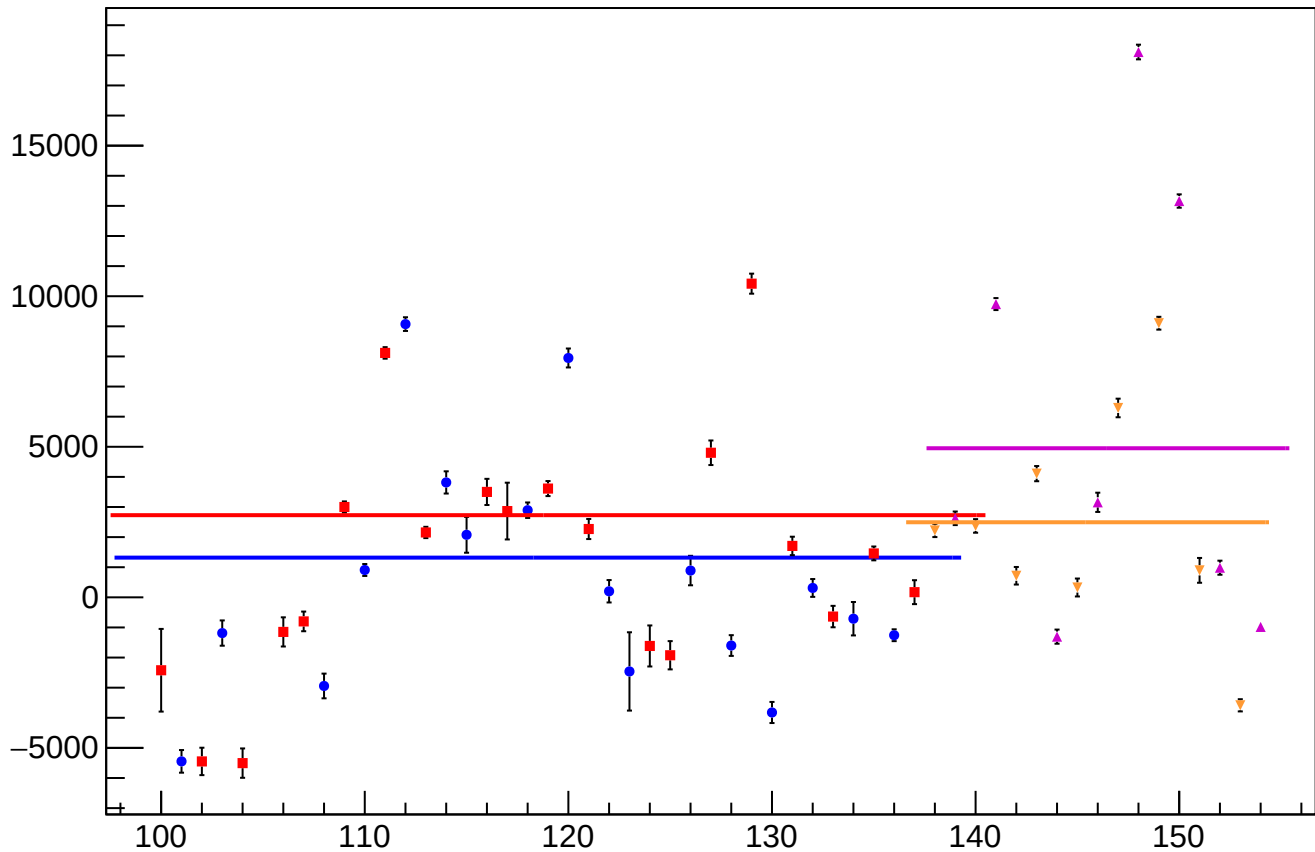
Right Out: 166.522+/-0.046 χ^2/NDF : 931079.9/19

Left In: 180.122+/-0.052 χ^2/NDF :498954.0/7

186.732+/-0.038 χ^2/NDF : 1358875.5/25

172.481+/-0.035 χ^2/NDF : 1467736.6/27

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 2493.393+/-84.003 χ^2/NDF : 2160.3/8

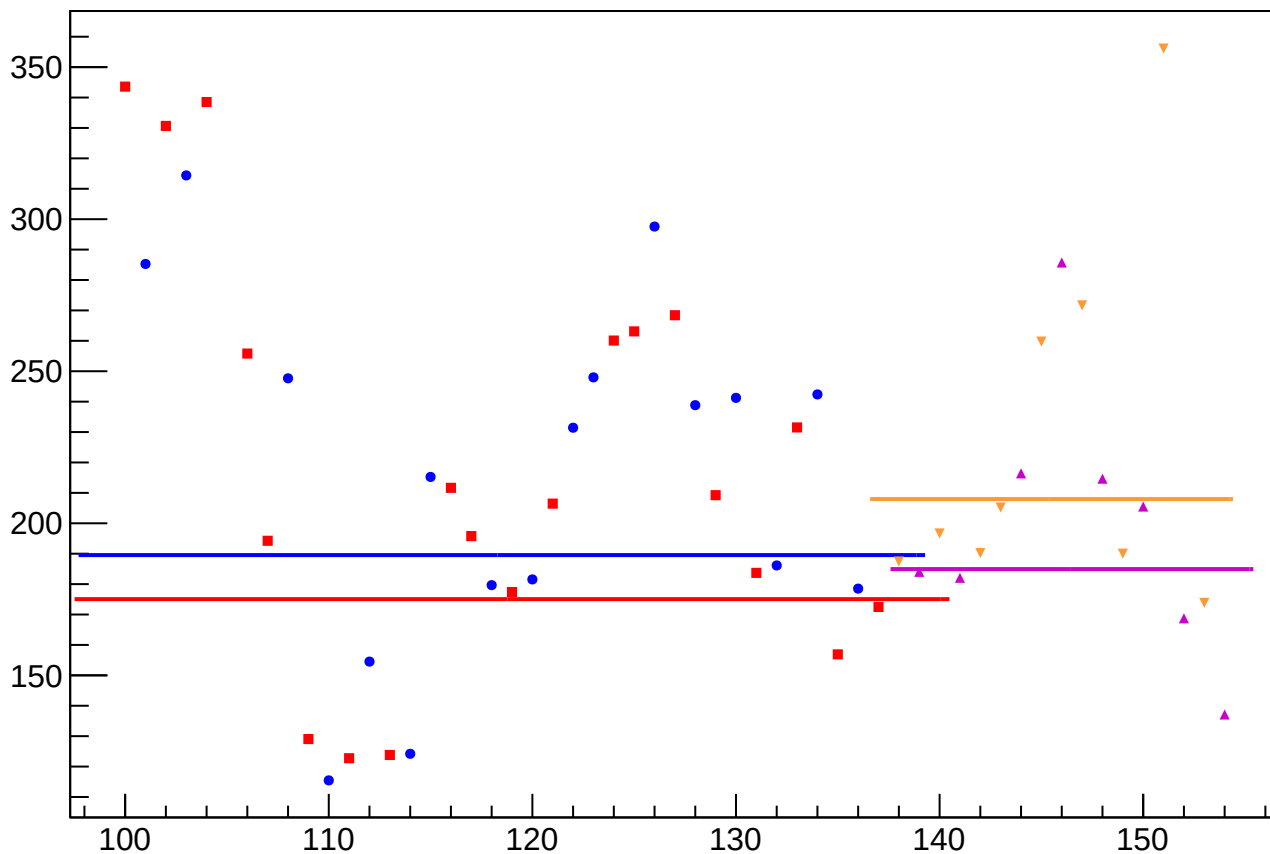
Right Out: 2728.550+/-69.837 χ^2/NDF : 2495.9/19

Left In: 4951.227+/-76.261 χ^2/NDF : 7530.1/7

1856.317+/-56.820 χ^2/NDF : 4933.4/25

3742.334+/-51.504 χ^2/NDF : 10488.1/27

asym_bpm0i05WS_rms vs Slug



Right In: 189.544+/-0.055 χ^2/NDF : 980744.6/16

Left Out: 207.960+/-0.059 χ^2/NDF : 504745.7/8

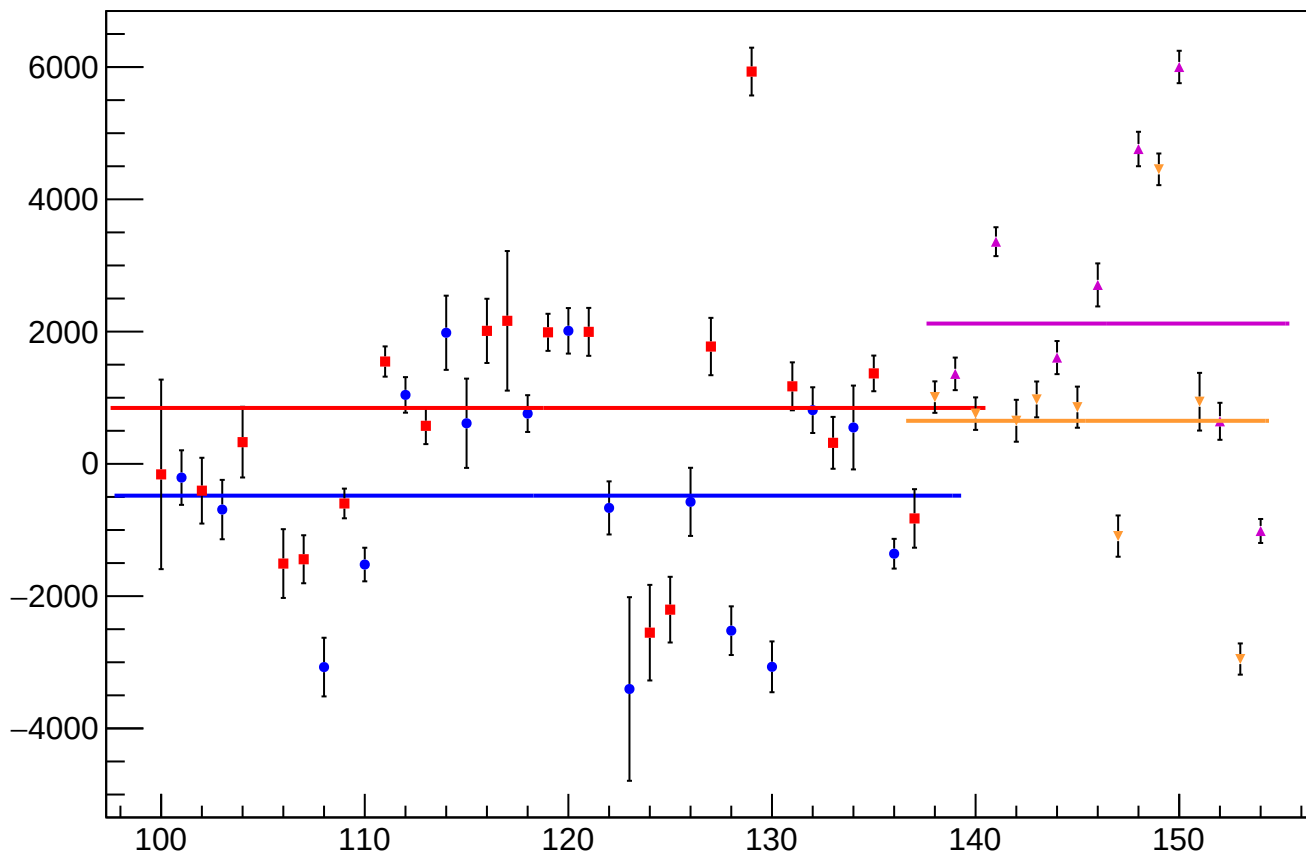
Right Out: 175.058+/-0.049 χ^2/NDF : 1298079.7/19

Left In: 184.939+/-0.054 χ^2/NDF : 491643.1/7

197.970+/-0.040 χ^2/NDF : 1537631.7/25

179.565+/-0.036 χ^2/NDF : 1807982.9/27

asym_bpm0i07WS_mean vs Slug



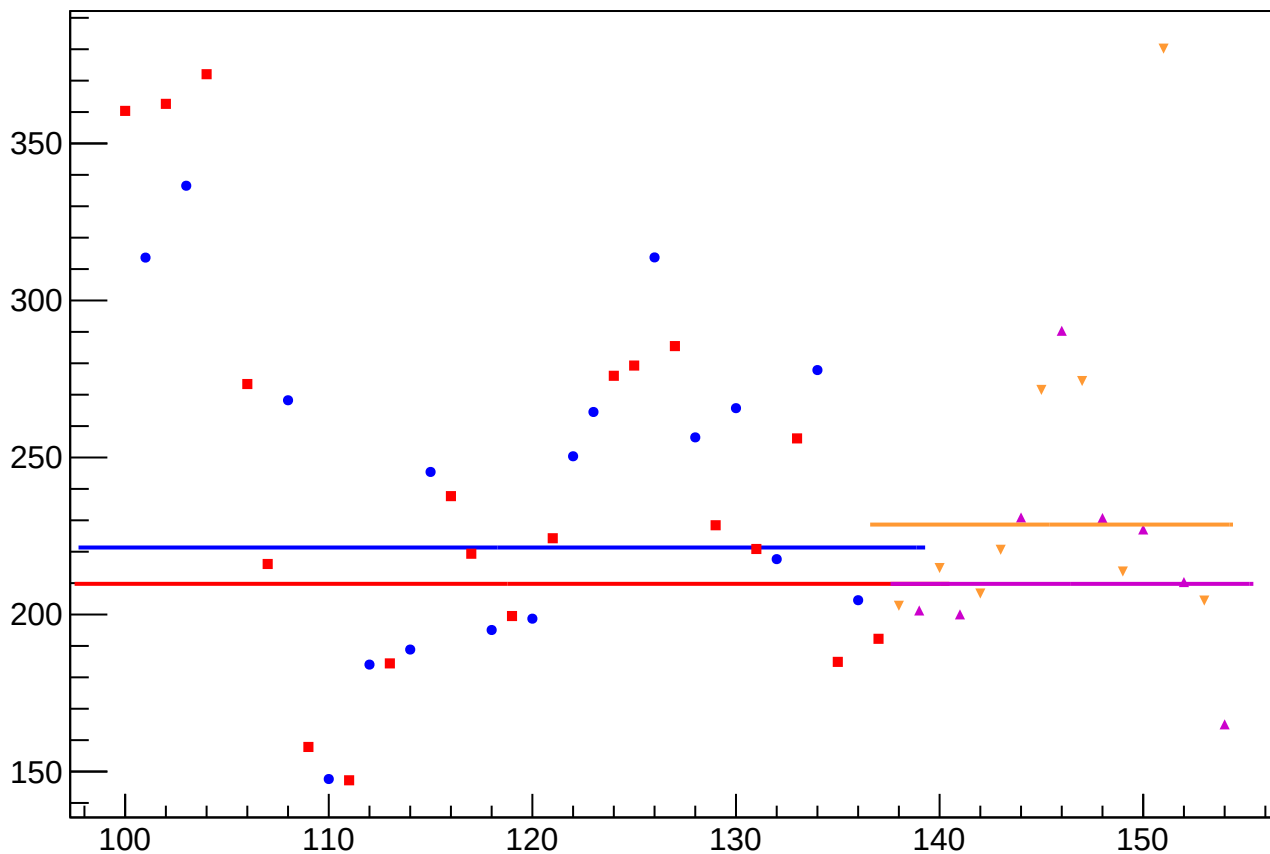
Right In: -480.578 ± 88.640 $\chi^2/\text{NDF}: 290.7/16$

Left Out: 66.324 ± 63.716 $\chi^2/\text{NDF}: 891.0/25$

Right Out: 845.444 ± 81.995 $\chi^2/\text{NDF}: 436.9/19$

Left In: 1458.250 ± 59.114 $\chi^2/\text{NDF}: 1282.8/27$

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 ± 0.063 χ^2/NDF : 645688.1/16

Left Out: 228.645 ± 0.065 χ^2/NDF : 392354.8/8

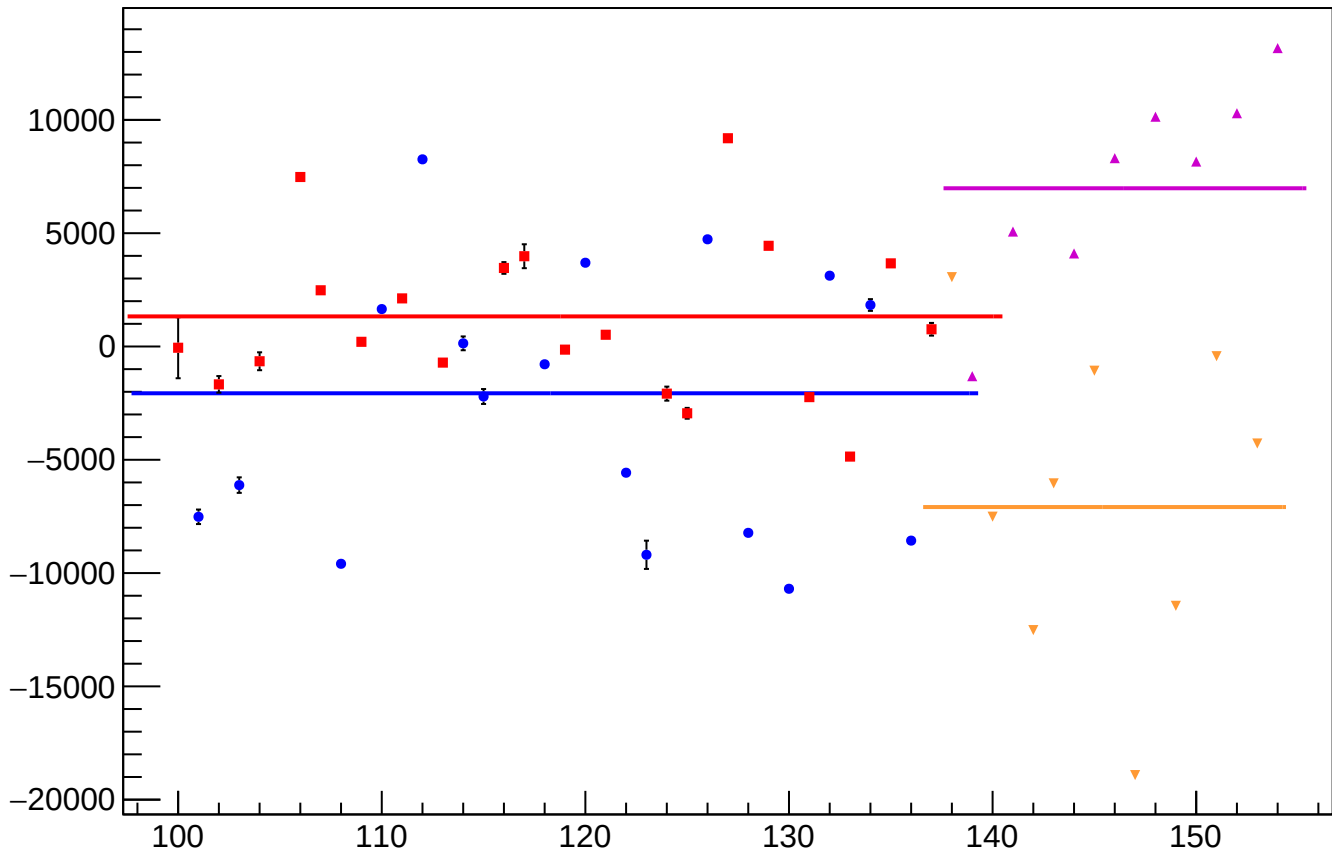
Right Out: 209.775 ± 0.058 χ^2/NDF : 884083.7/19

Left In: 209.764 ± 0.060 χ^2/NDF : 287882.0/7

224.872 ± 0.045 χ^2/NDF : 1044603.9/25

209.770 ± 0.042 χ^2/NDF : 1171965.7/27

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -7086.240 ± 44.415 $\chi^2/\text{NDF}: 22603.5/8$

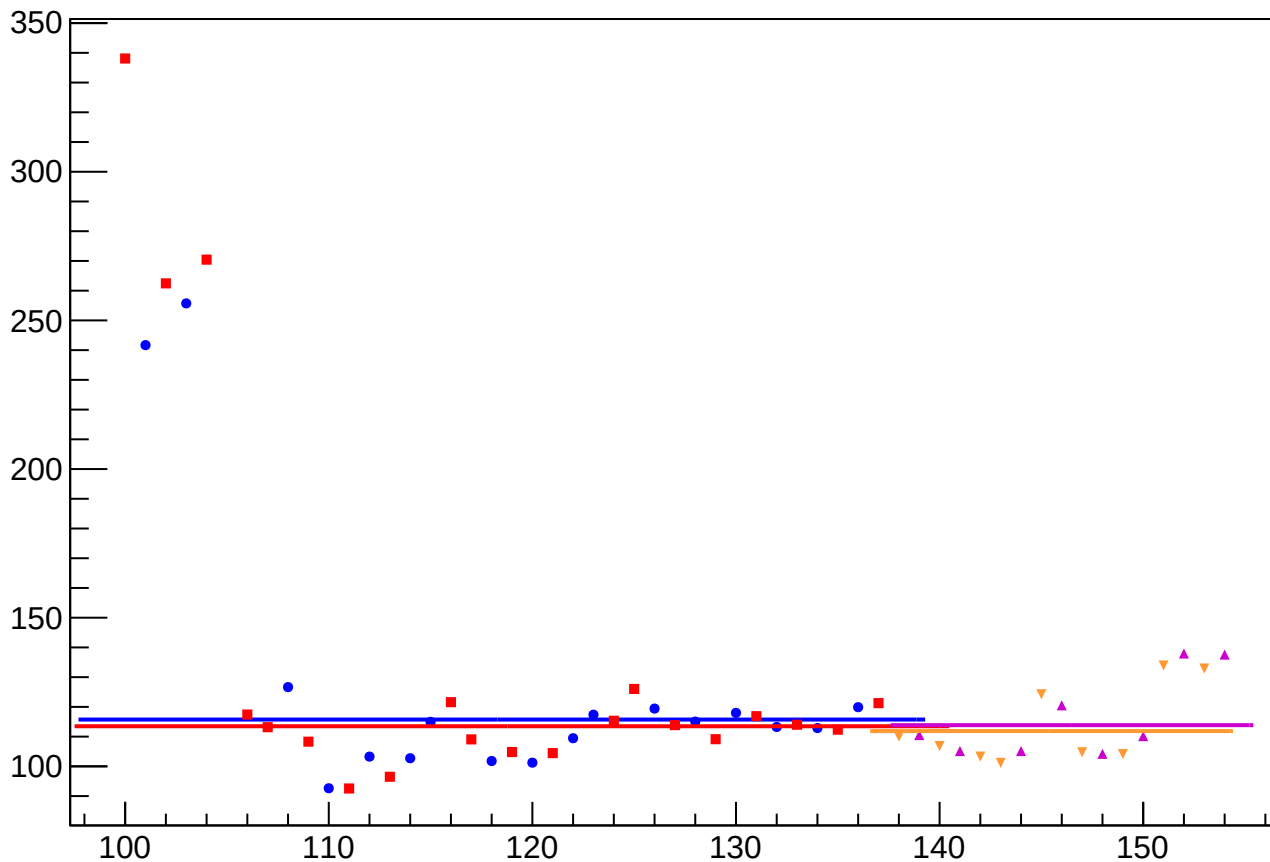
Right Out: 1327.819 ± 44.838 $\chi^2/\text{NDF}: 5919.9/19$

Left In: 6982.761 ± 45.245 $\chi^2/\text{NDF}: 7637.2/7$

-4734.652 ± 32.385 $\chi^2/\text{NDF}: 45122.3/25$

4129.739 ± 31.848 $\chi^2/\text{NDF}: 21438.1/27$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 111.864+/-0.031 χ^2/NDF :137245.5/8

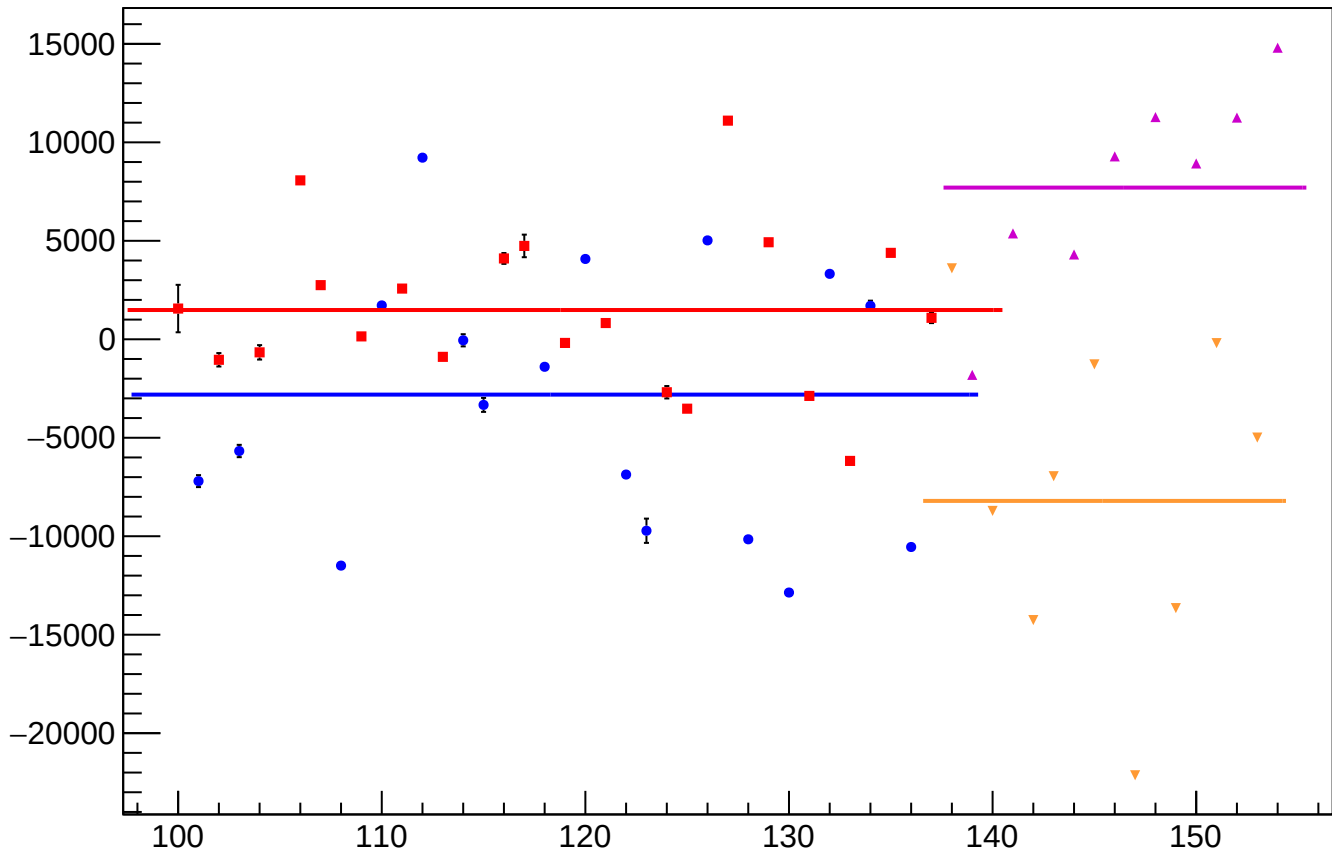
Right Out: 113.487+/-0.032 χ^2/NDF : 796781.7/19

Left In: 113.850+/-0.032 χ^2/NDF :143763.8/7

113.680+/-0.023 χ^2/NDF : 888398.9/25

113.667+/-0.023 χ^2/NDF : 940610.7/27

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101±48.284 χ^2/NDF : 21263.1/16

Left Out: -8206.540±47.729 χ^2/NDF : 26871.4/8

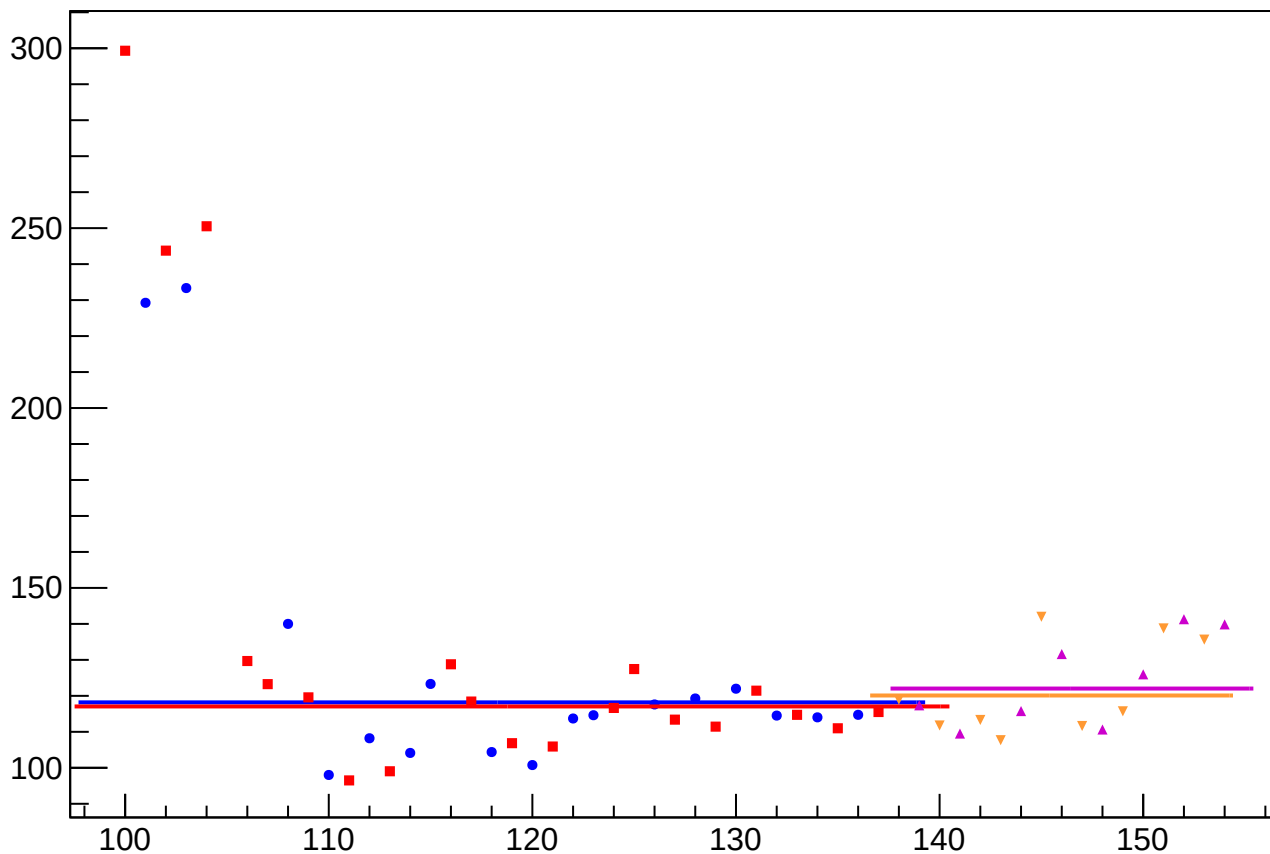
Right Out: 1486.369±46.243 χ^2/NDF : 8037.1/19

Left In: 7701.947±48.490 χ^2/NDF : 9018.4/7

-5539.046±33.944 χ^2/NDF : 54454.7/25

4446.831±33.465 χ^2/NDF : 25660.3/27

asym_bpm2i01WS_rms vs Slug



Right In: 118.188 $\pm$ 0.034 χ^2 /NDF: 636252.0/16

Left Out: 120.100 $\pm$ 0.034 χ^2 /NDF: 124341.2/8

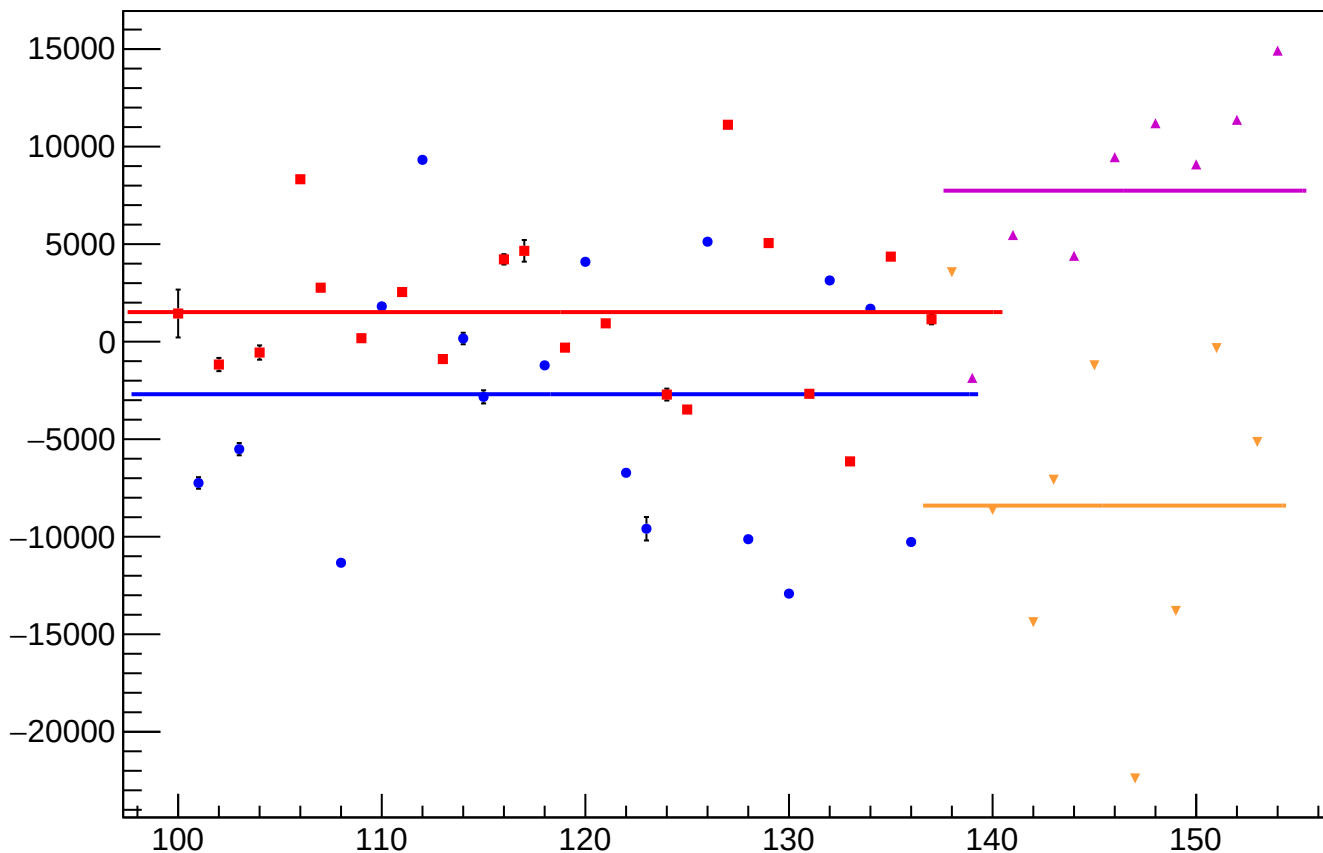
Right Out: 117.054 $\pm$ 0.033 χ^2 /NDF: 690646.8/19

Left In: 122.029 $\pm$ 0.034 χ^2 /NDF: 112686.6/7

119.155 $\pm$ 0.024 χ^2 /NDF: 762179.9/25

119.424 $\pm$ 0.024 χ^2 /NDF: 814355.1/27

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 ± 46.347 $\chi^2/\text{NDF}: 22860.3/16$

Left Out: -8404.050 ± 46.288 $\chi^2/\text{NDF}: 29500.4/8$

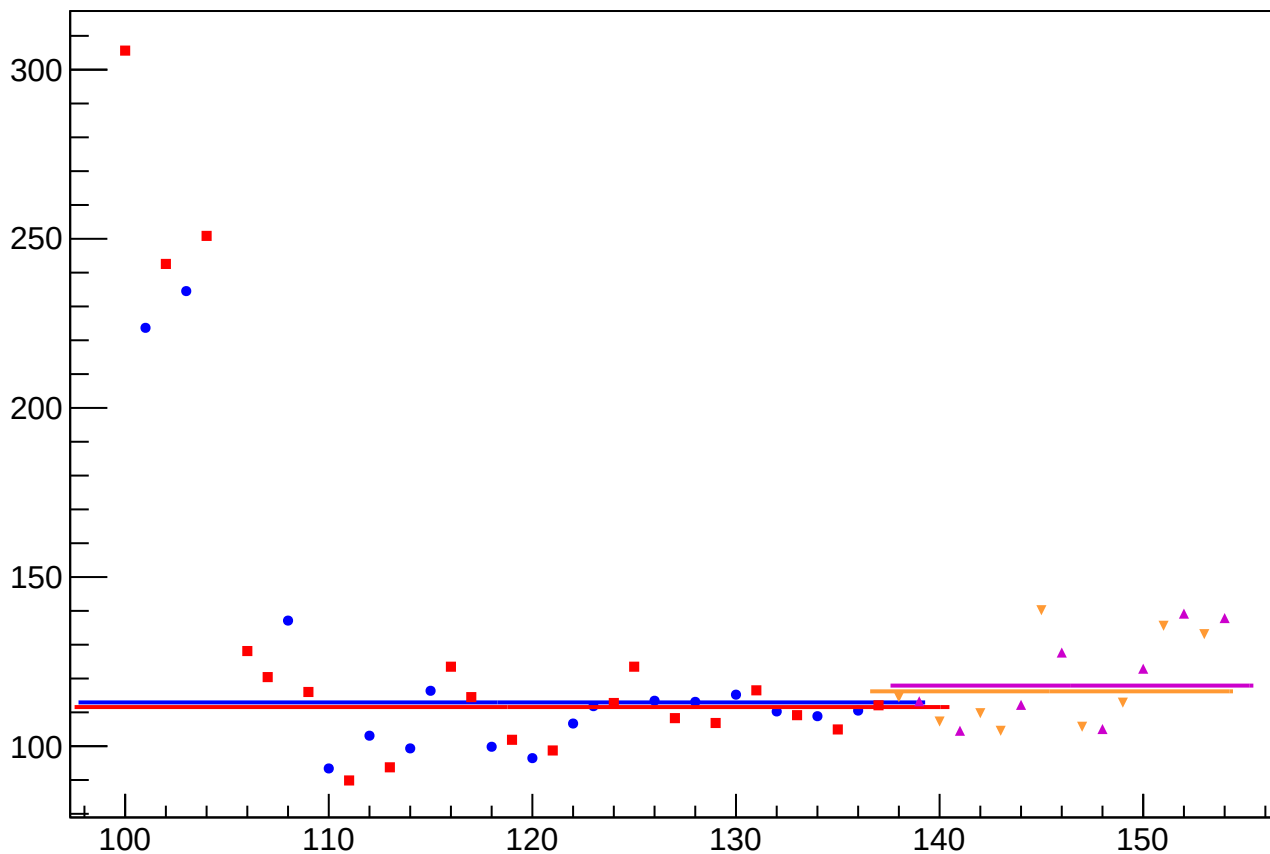
Right Out: 1515.863 ± 44.303 $\chi^2/\text{NDF}: 8749.3/19$

Left In: 7740.920 ± 46.973 $\chi^2/\text{NDF}: 9662.2/7$

-5552.781 ± 32.752 $\chi^2/\text{NDF}: 59959.0/25$

4446.469 ± 32.230 $\chi^2/\text{NDF}: 27706.2/27$

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 116.213 $\pm$ 0.033 χ^2 /NDF: 146851.5/8

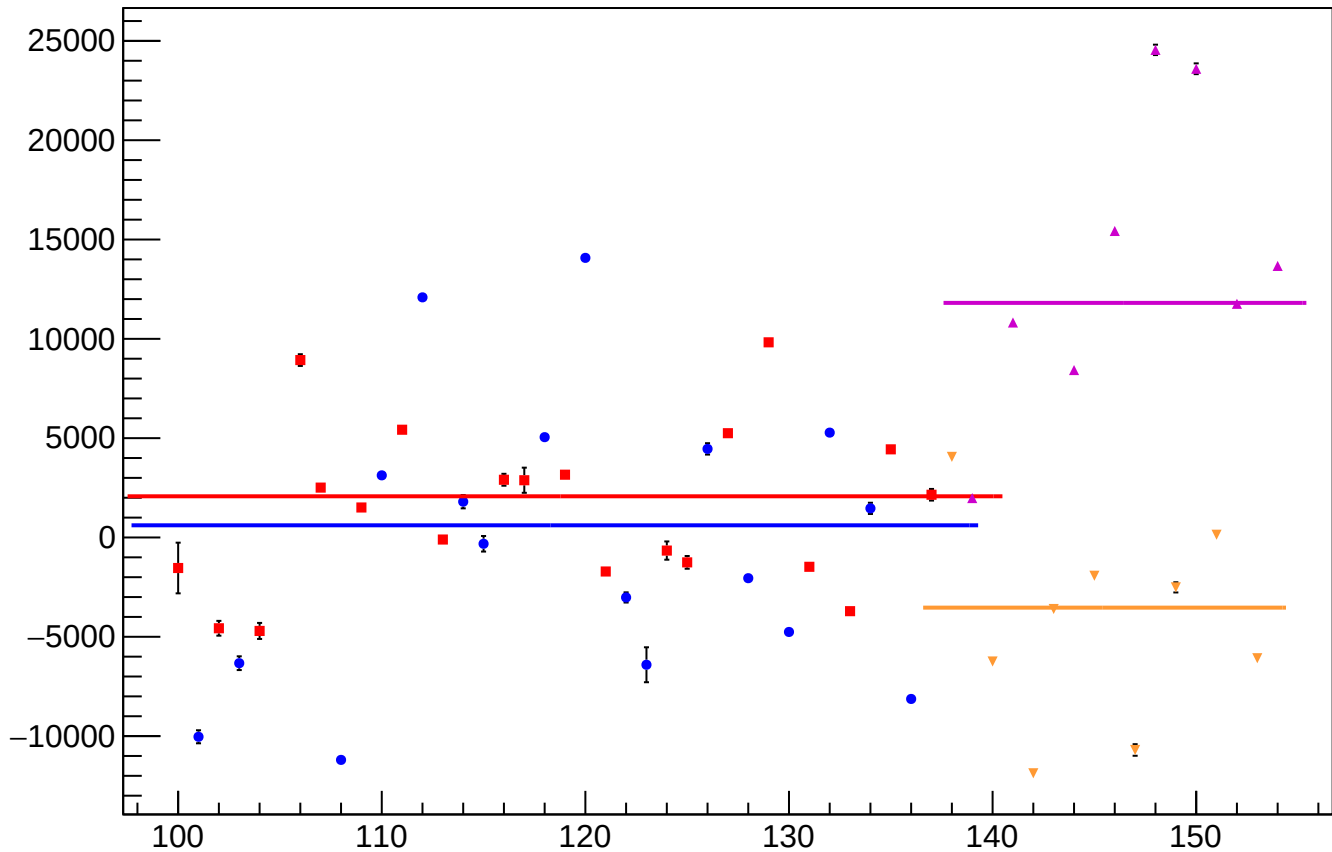
Right Out: 111.562 $\pm$ 0.031 χ^2 /NDF: 765559.1/19

Left In: 117.910 $\pm$ 0.033 χ^2 /NDF: 141722.5/7

114.579 $\pm$ 0.023 χ^2 /NDF: 832128.2/25

114.551 $\pm$ 0.023 χ^2 /NDF: 926610.8/27

asym_bpm0i01WS_mean vs Slug



Right In: 612.621+/-56.062 χ^2/NDF : 18243.4/16

Left Out: -3532.270+/-63.392 χ^2/NDF : 5229.7/8

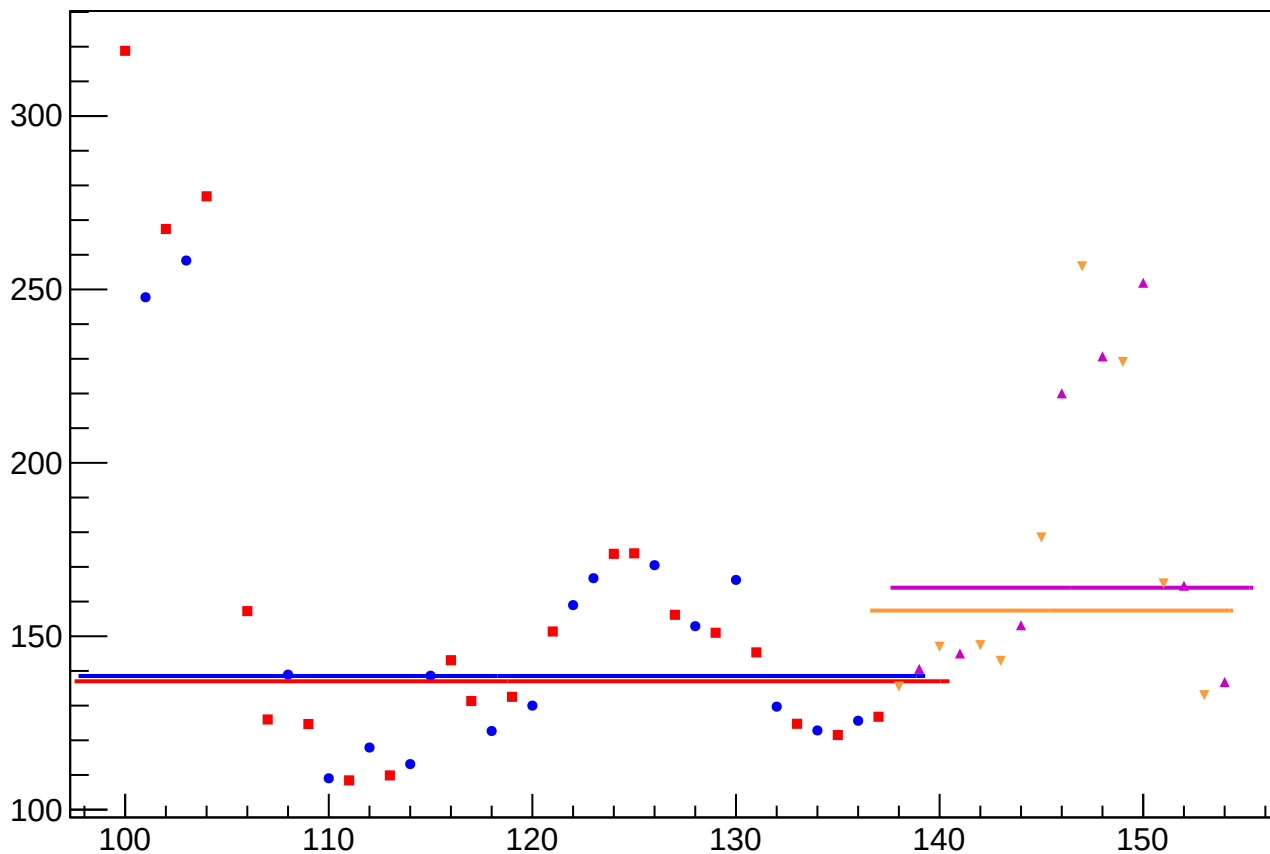
Right Out: 2073.278+/-53.736 χ^2/NDF : 4644.3/19

Left In: 11810.291+/-66.450 χ^2/NDF : 8289.4/7

-1206.440+/-41.995 χ^2/NDF : 25872.1/25

5923.169+/-41.783 χ^2/NDF : 25915.8/27

asym_bpm0i01WS_rms vs Slug



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 157.410 $\pm$ 0.045 χ^2 /NDF:529291.7/8

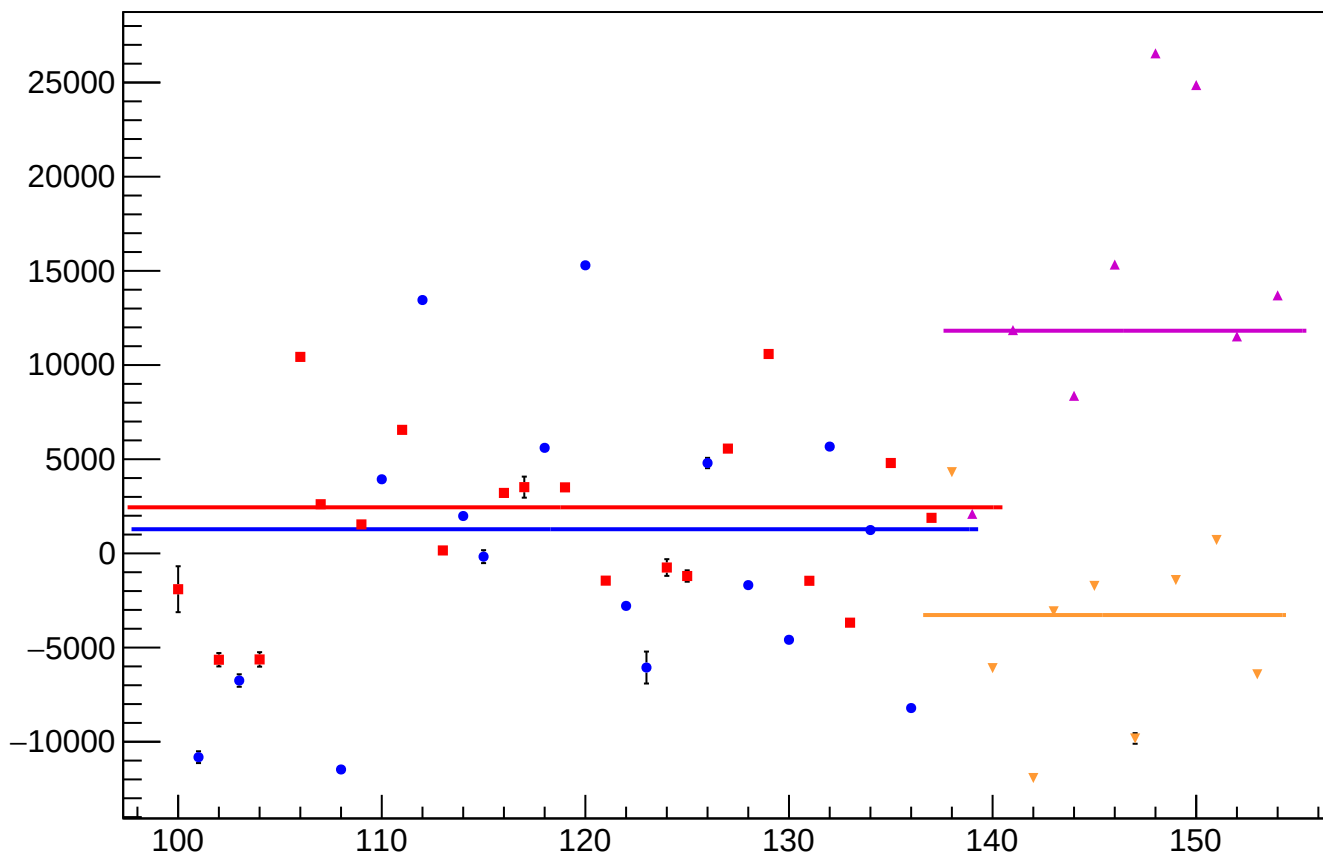
Right Out: 137.019 $\pm$ 0.038 χ^2 /NDF: 755655.0/19

Left In: 163.994 $\pm$ 0.047 χ^2 /NDF:584001.8/7

146.822 $\pm$ 0.030 χ^2 /NDF: 1297660.2/25

147.685 $\pm$ 0.030 χ^2 /NDF: 1538921.9/27

asym_bpm0i01aWS_mean vs Slug



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -3272.590+/-56.445 χ^2/NDF : 7100.6/8

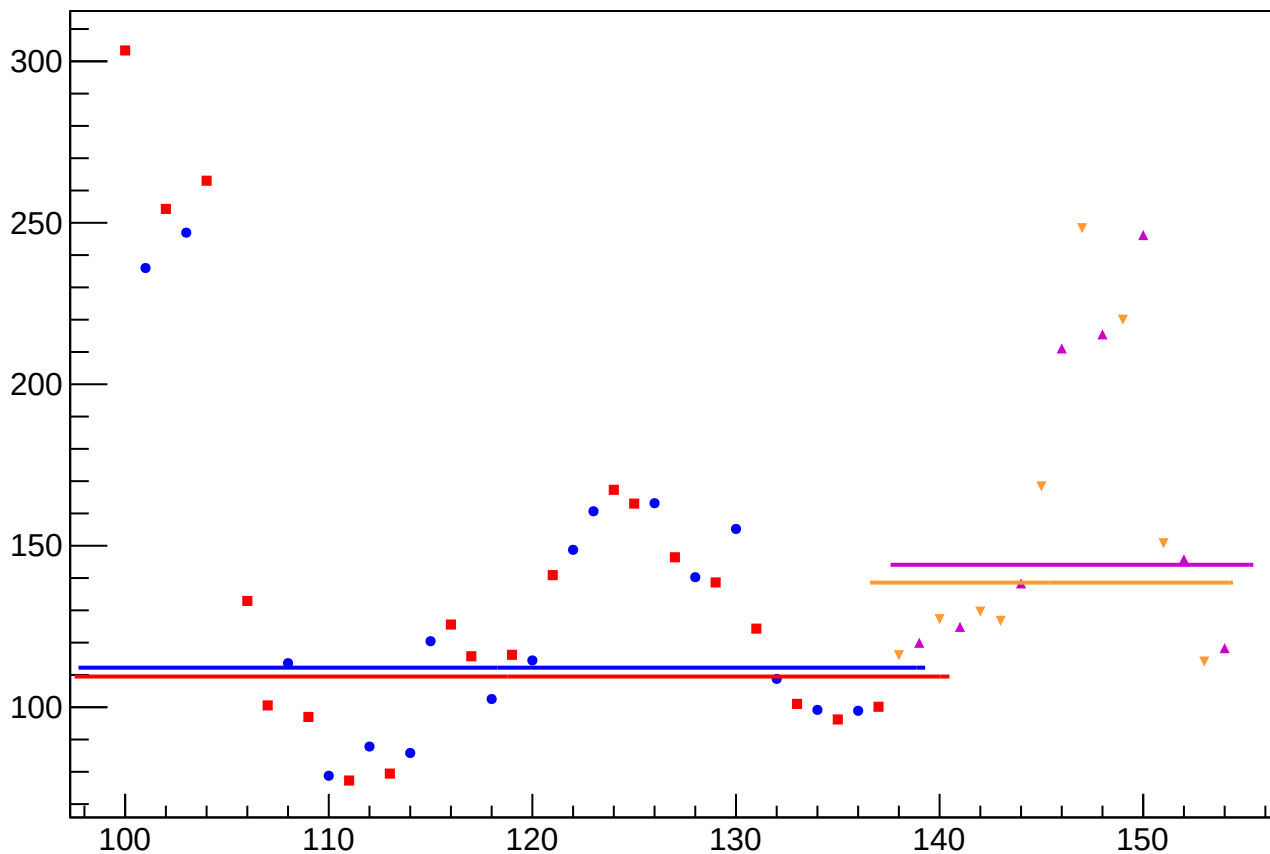
Right Out: 2446.970+/-44.148 χ^2/NDF : 7681.2/19

Left In: 11821.827+/-59.223 χ^2/NDF : 11224.6/7

-562.192+/-35.923 χ^2/NDF : 41516.9/25

5795.676+/-35.395 χ^2/NDF : 35013.2/27

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 138.583+/-0.040 χ^2/NDF : 732038.1/8

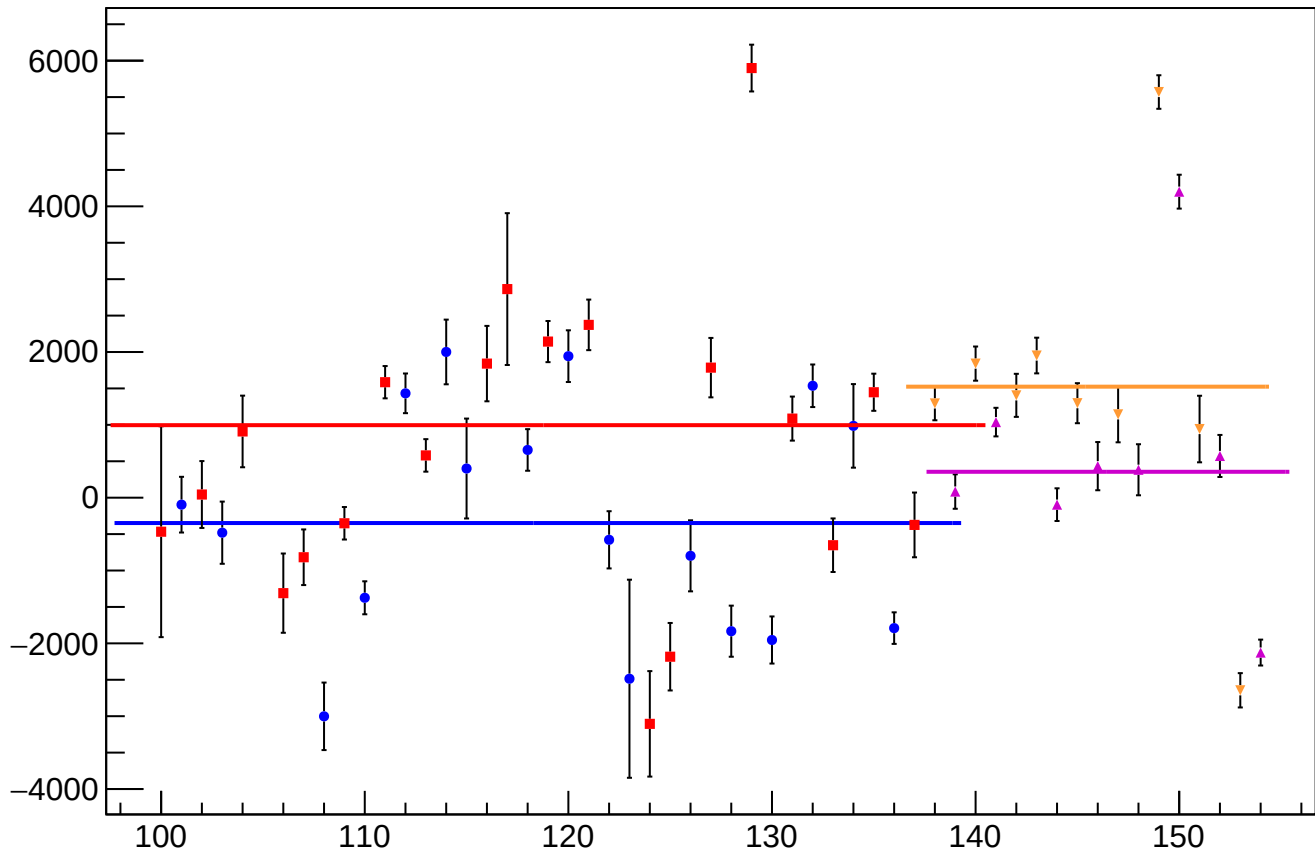
Right Out: 109.500+/-0.031 χ^2/NDF : 1269887.8/19

Left In: 144.108+/-0.042 χ^2/NDF : 800613.5/7

122.916+/-0.025 χ^2/NDF : 2116553.2/25

121.862+/-0.025 χ^2/NDF : 2509535.0/27

asym_bpm0l01WS_mean vs Slug



Right In: -348.055 ± 83.826 χ^2/NDF : 317.3/16

Left Out: 1524.263 ± 88.858 χ^2/NDF : 630.8/8

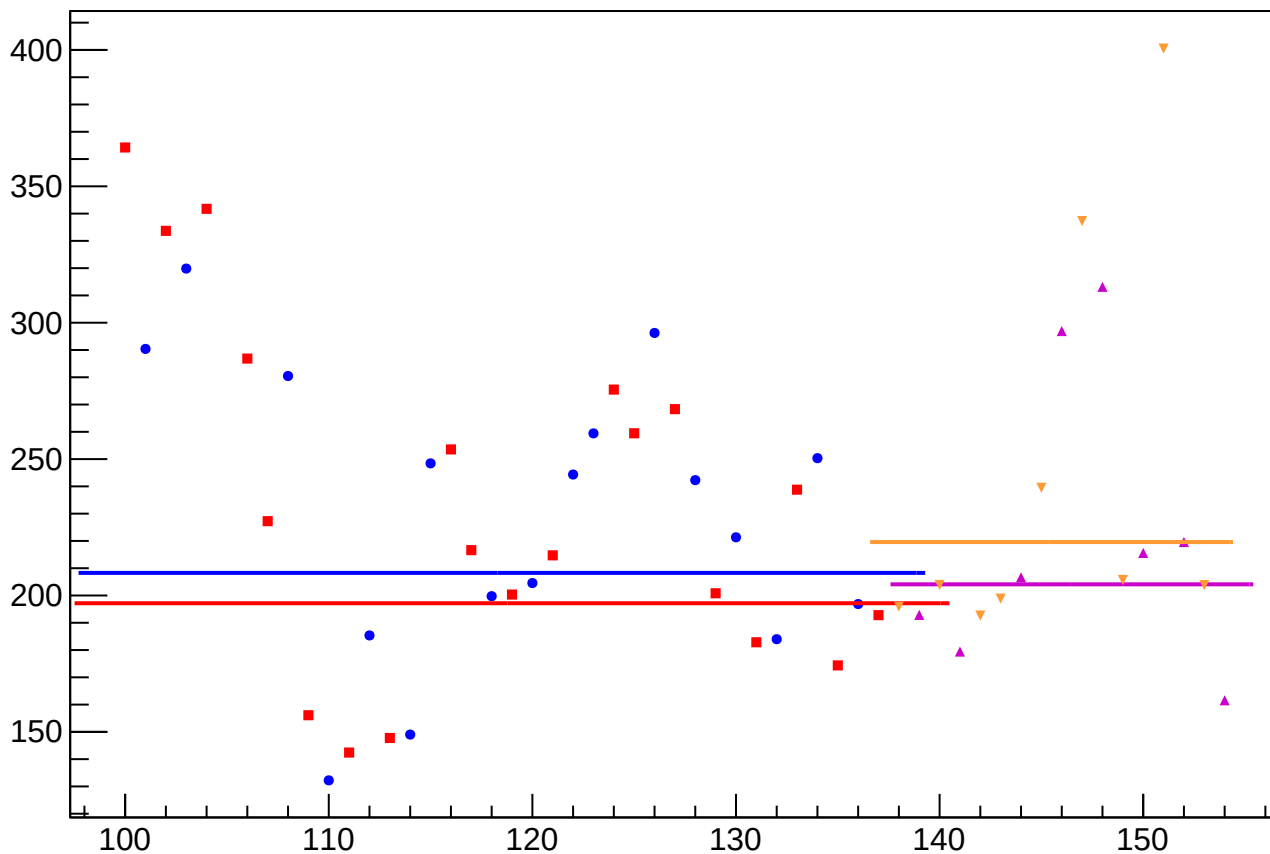
Right Out: 995.622 ± 77.468 χ^2/NDF : 479.8/19

Left In: 355.570 ± 83.593 χ^2/NDF : 486.2/7

533.597 ± 60.975 χ^2/NDF : 1183.0/25

699.900 ± 56.820 χ^2/NDF : 997.6/27

asym_bpm0l01WS_rms vs Slug



Right In: 208.288 ± 0.059 χ^2/NDF : 698491.0/16

Left Out: 219.594 ± 0.063 χ^2/NDF : 589031.2/8

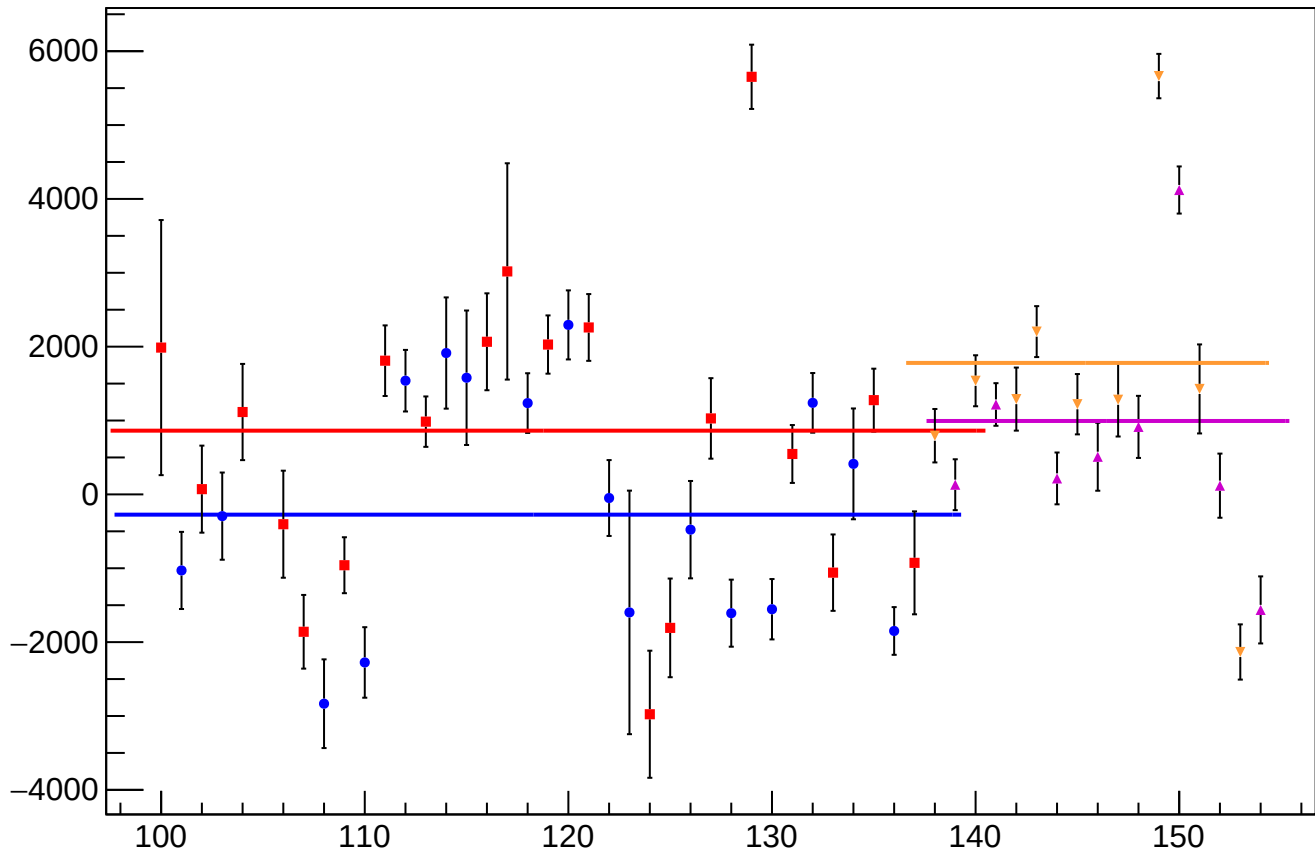
Right Out: 197.159 ± 0.055 χ^2/NDF : 927487.8/19

Left In: 204.094 ± 0.059 χ^2/NDF : 512391.2/7

213.612 ± 0.043 χ^2/NDF : 1304655.1/25

200.363 ± 0.040 χ^2/NDF : 1447284.1/27

asym_bpm0l02WS_mean vs Slug



Right In: -274.260 ± 121.326 χ^2/NDF : 171.6/16

Left Out: 1779.903 ± 128.090 χ^2/NDF : 290.5/8

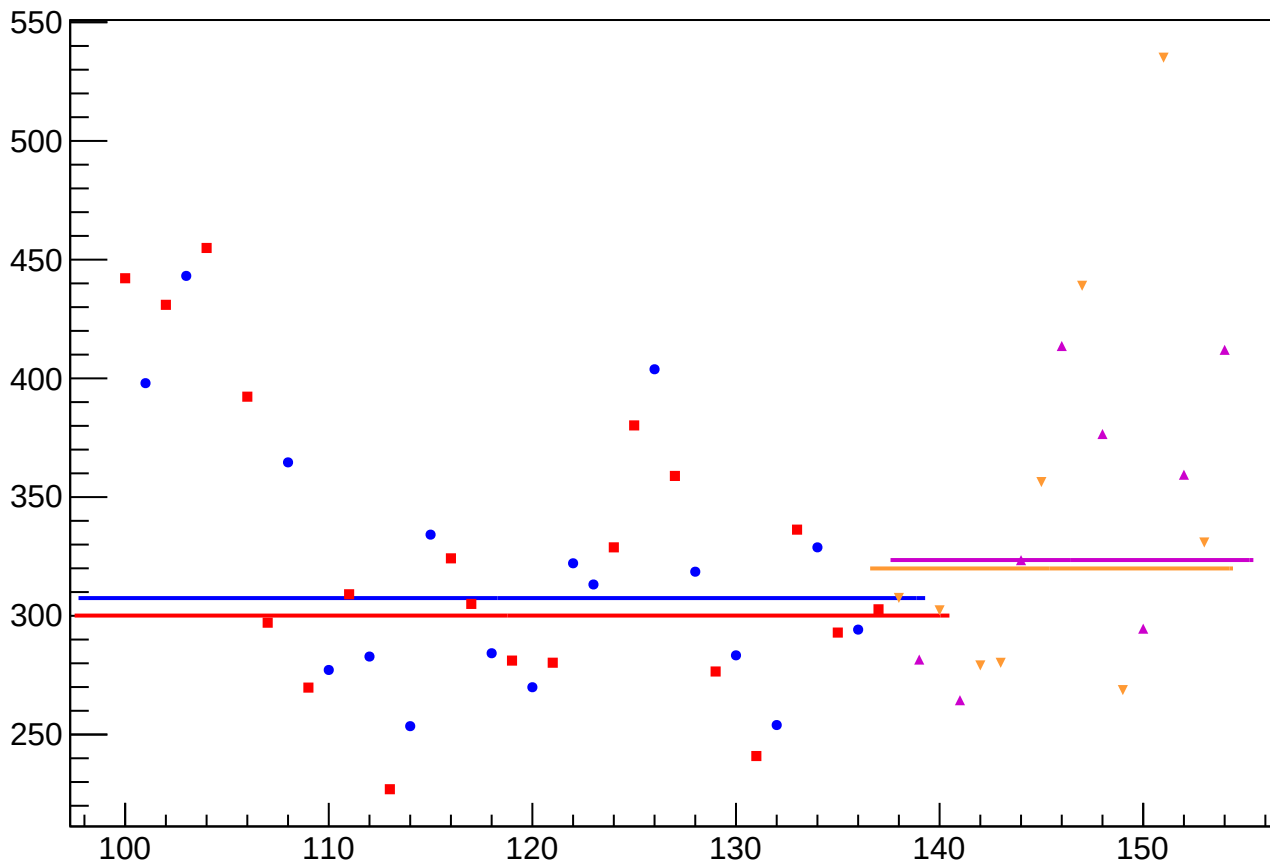
Right Out: 862.791 ± 114.993 χ^2/NDF : 265.4/19

Left In: 993.881 ± 130.239 χ^2/NDF : 144.8/7

697.155 ± 88.084 χ^2/NDF : 597.6/25

920.217 ± 86.201 χ^2/NDF : 410.8/27

asym_bpm0l02WS_rms vs Slug



Right In: 307.468+/-0.086 χ^2/NDF : 323096.7/16

Left Out: 319.945+/-0.091 χ^2/NDF : 497390.0/8

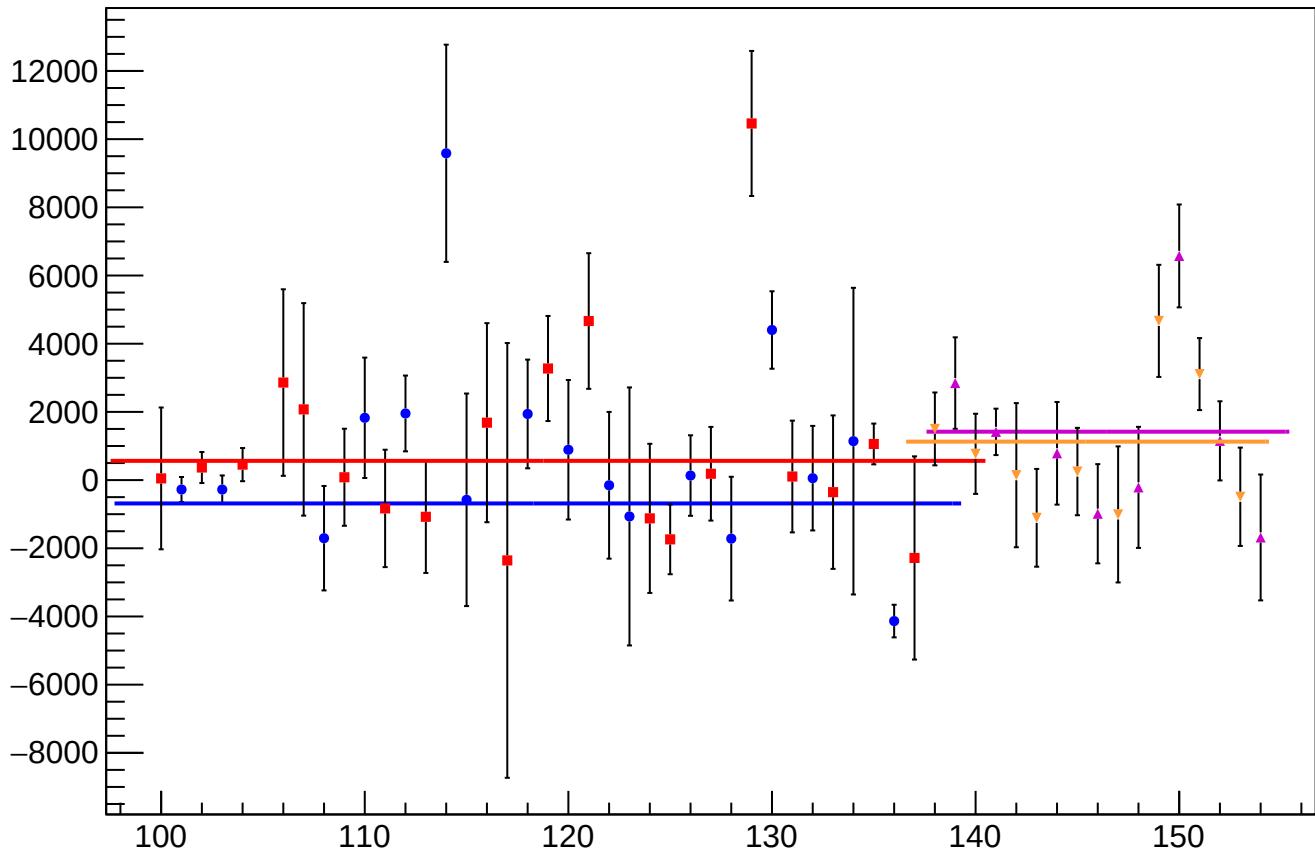
Right Out: 300.100+/-0.081 χ^2/NDF : 490421.6/19

Left In: 323.490+/-0.092 χ^2/NDF : 328395.7/7

313.368+/-0.062 χ^2/NDF : 830489.5/25

310.346+/-0.061 χ^2/NDF : 855065.0/27

asym_bpm0l03WS_mean vs Slug



Right In: -685.056+/-210.341 χ^2/NDF : 97.4/16

Left Out: 1127.952+/-450.939 χ^2/NDF :13.9/8

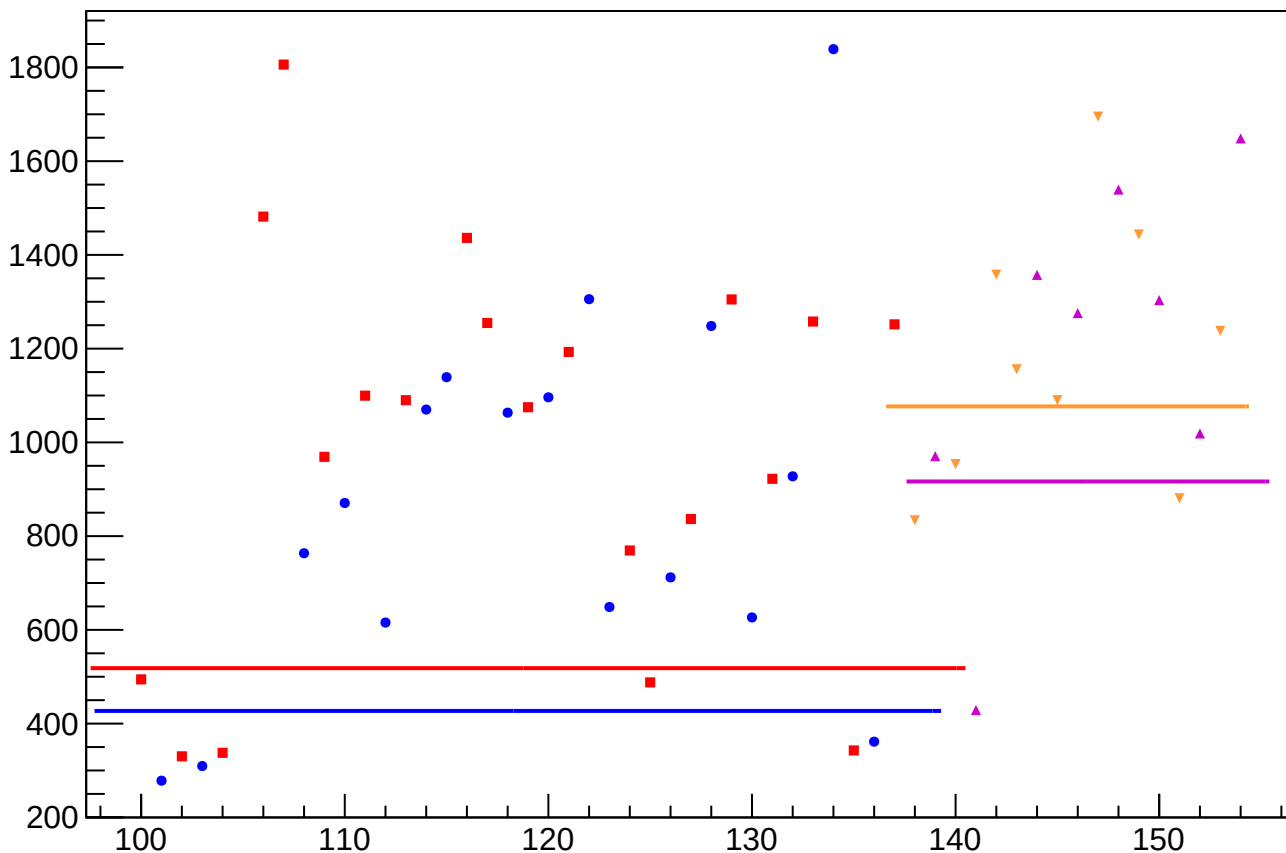
Right Out: 564.400+/-243.074 χ^2/NDF : 39.9/19

Left In: 1419.625+/-429.535 χ^2/NDF :19.4/7

-361.078+/-190.623 χ^2/NDF : 124.5/25

771.847+/-211.550 χ^2/NDF : 62.4/27

asym_bpm0l03WS_rms vs Slug



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 1076.807+/-0.319 χ^2/NDF : 552619.1/8

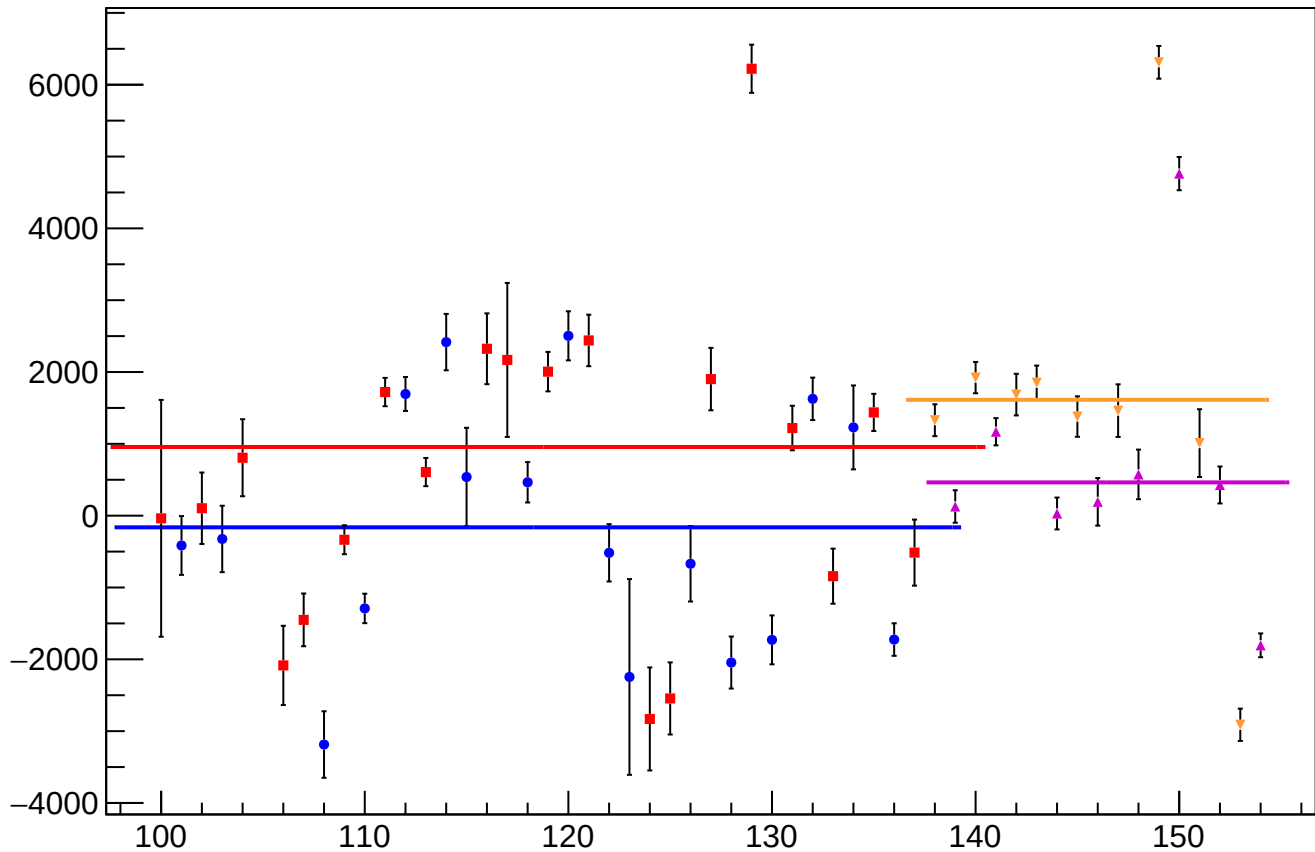
Right Out: 518.306+/-0.172 χ^2/NDF : 3631833.9/19

Left In: 916.558+/-0.304 χ^2/NDF : 2031135.1/7

543.183+/-0.135 χ^2/NDF : 6828356.1/25

614.908+/-0.150 χ^2/NDF : 6965218.5/27

asym_bpm0l04WS_mean vs Slug



Right In: -162.333+/-82.350 χ^2/NDF : 387.6/16

Left Out: 1612.788+/-86.244 χ^2/NDF : 836.6/8

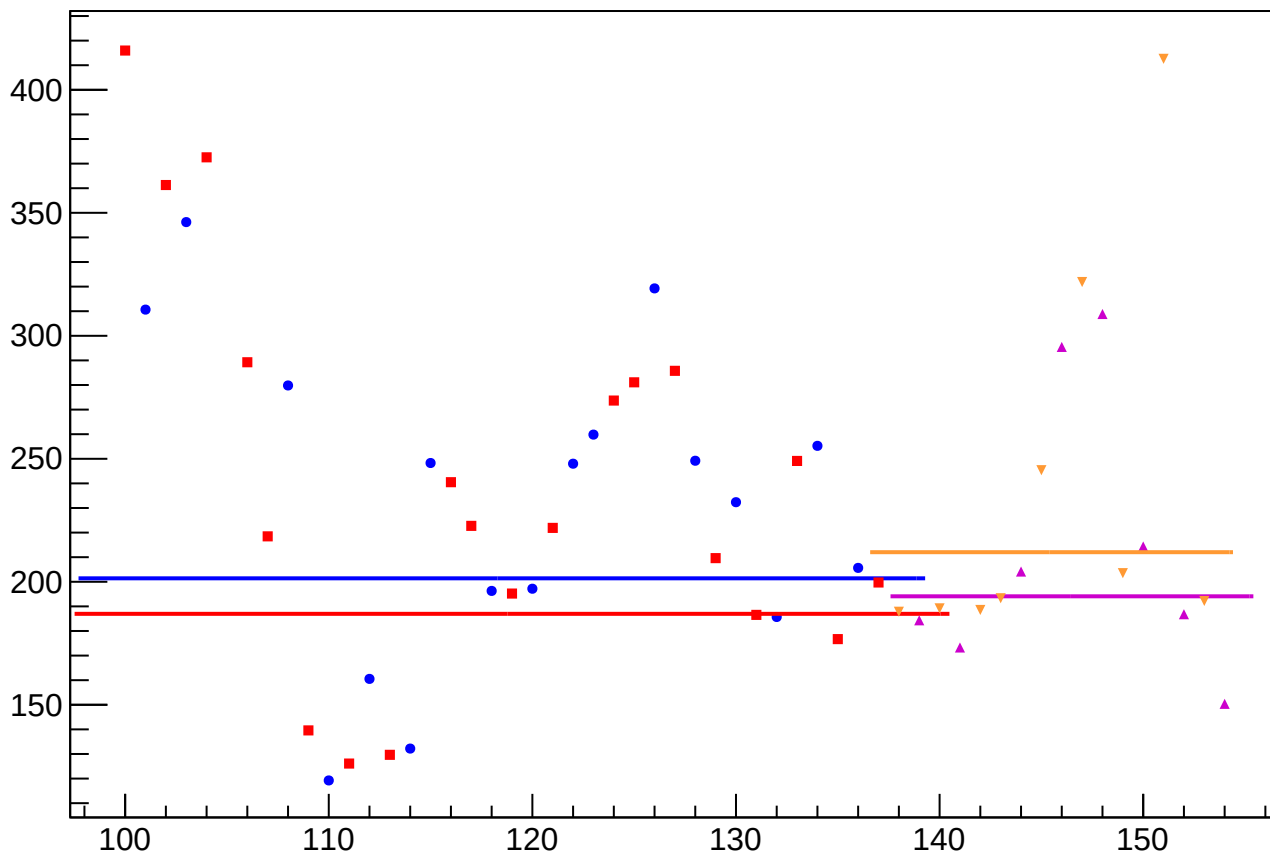
Right Out: 956.044+/-74.949 χ^2/NDF : 541.1/19

Left In: 463.374+/-80.223 χ^2/NDF : 553.0/7

684.250+/-59.559 χ^2/NDF : 1445.8/25

726.433+/-54.767 χ^2/NDF : 1114.2/27

asym_bpm0l04WS_rms vs Slug



Right In: 201.409+/-0.058 χ^2/NDF : 1056022.1/16

Left Out: 212.033+/-0.061 χ^2/NDF : 658608.1/8

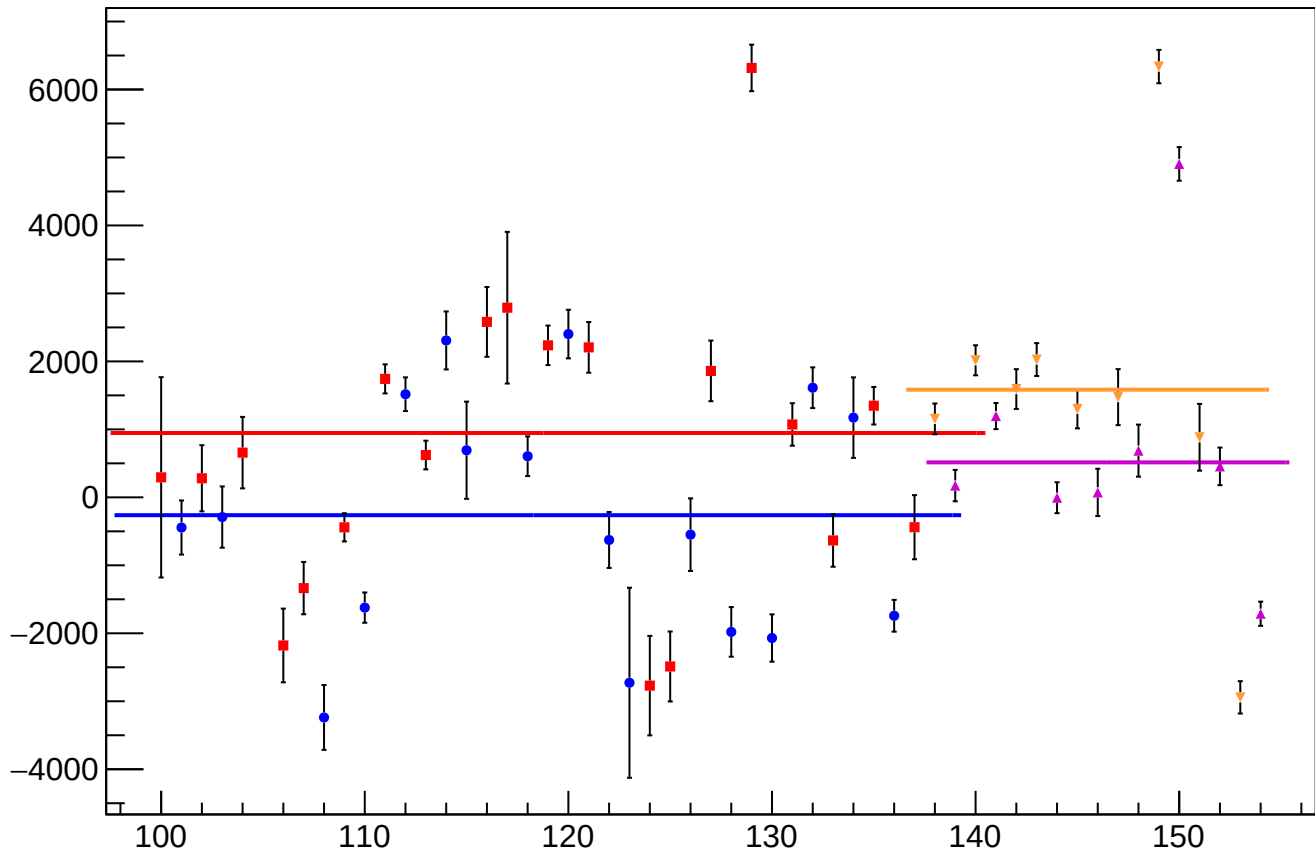
Right Out: 186.973+/-0.053 χ^2/NDF : 1395397.8/19

Left In: 194.097+/-0.057 χ^2/NDF : 596134.0/7

206.476+/-0.042 χ^2/NDF : 1730503.7/25

190.293+/-0.039 χ^2/NDF : 1999954.0/27

asym_bpm0l05WS_mean vs Slug



Right In: -262.324 $\pm$ 85.433 χ^2 /NDF: 368.7/16

Left Out: 1583.511 $\pm$ 89.355 χ^2 /NDF: 750.7/8

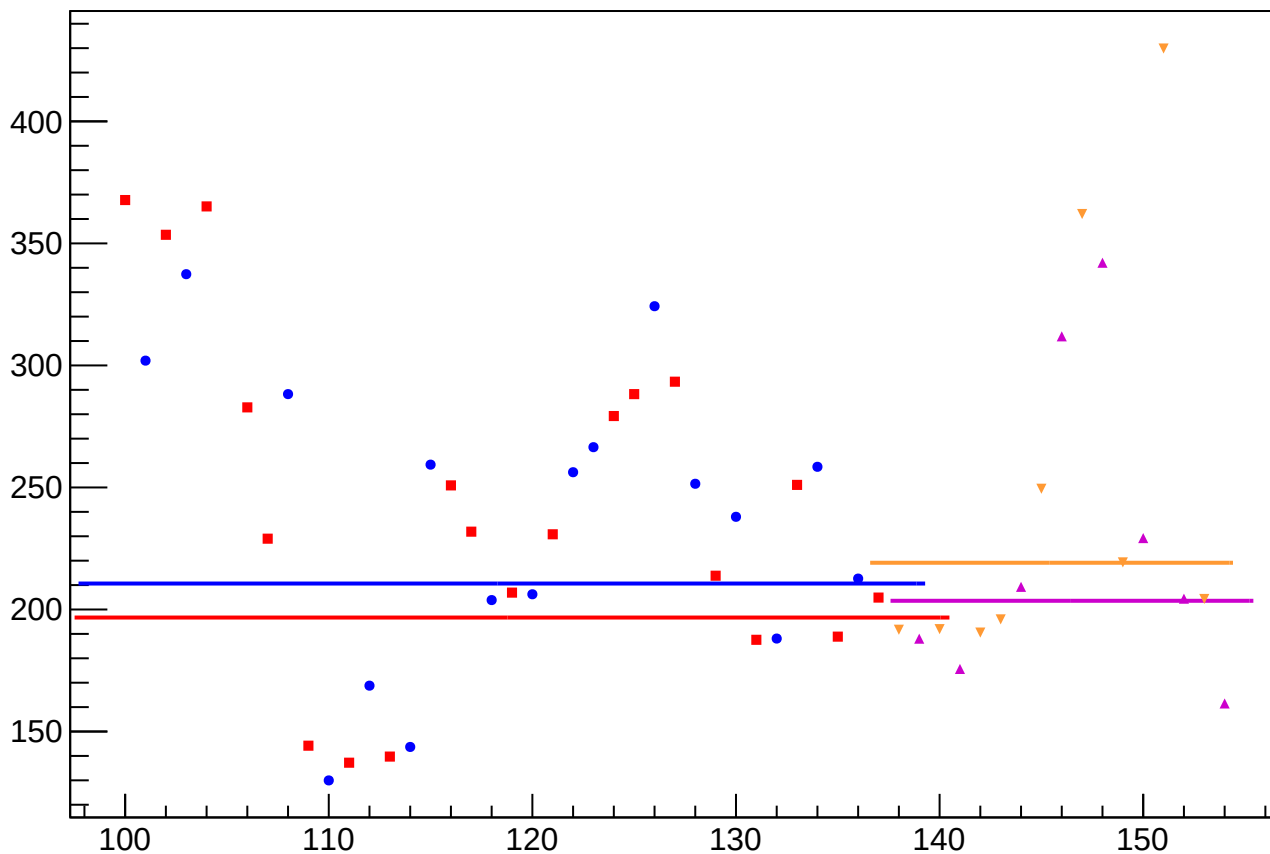
Right Out: 946.785 $\pm$ 78.241 χ^2 /NDF: 524.6/19

Left In: 514.666 $\pm$ 84.102 χ^2 /NDF: 493.6/7

619.198 $\pm$ 61.750 χ^2 /NDF: 1342.3/25

746.306 $\pm$ 57.285 χ^2 /NDF: 1032.4/27

asym_bpm0l05WS_rms vs Slug



Right In: 210.636+/-0.060 χ^2/NDF : 875776.4/16

Left Out: 219.149+/-0.063 χ^2/NDF : 735575.1/8

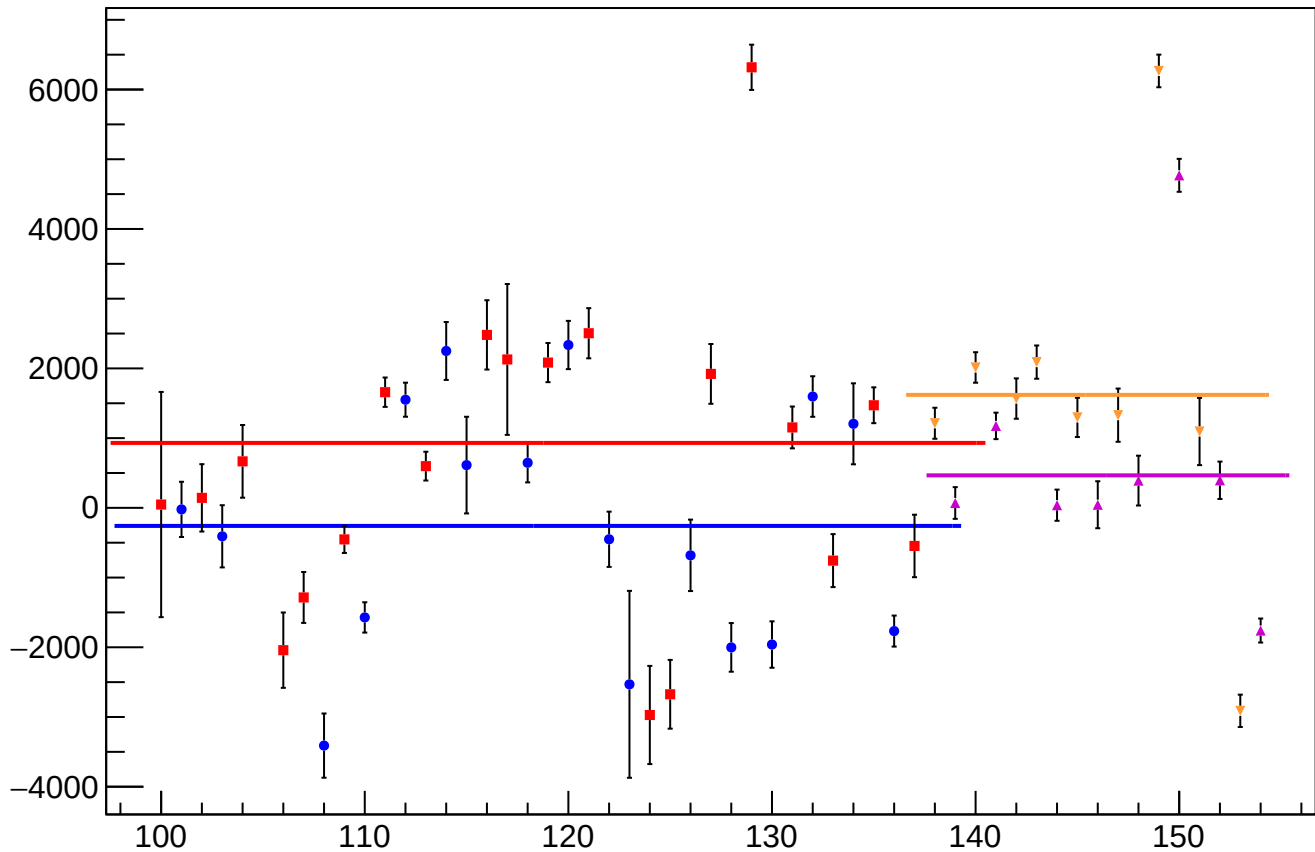
Right Out: 196.702+/-0.055 χ^2/NDF : 1207089.6/19

Left In: 203.566+/-0.059 χ^2/NDF : 641476.1/7

214.702+/-0.044 χ^2/NDF : 1620836.5/25

199.886+/-0.041 χ^2/NDF : 1855706.2/27

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 $\chi^2/\text{NDF}: 391.2/16$

Left Out: 1620.231 ± 87.294 $\chi^2/\text{NDF}: 789.4/8$

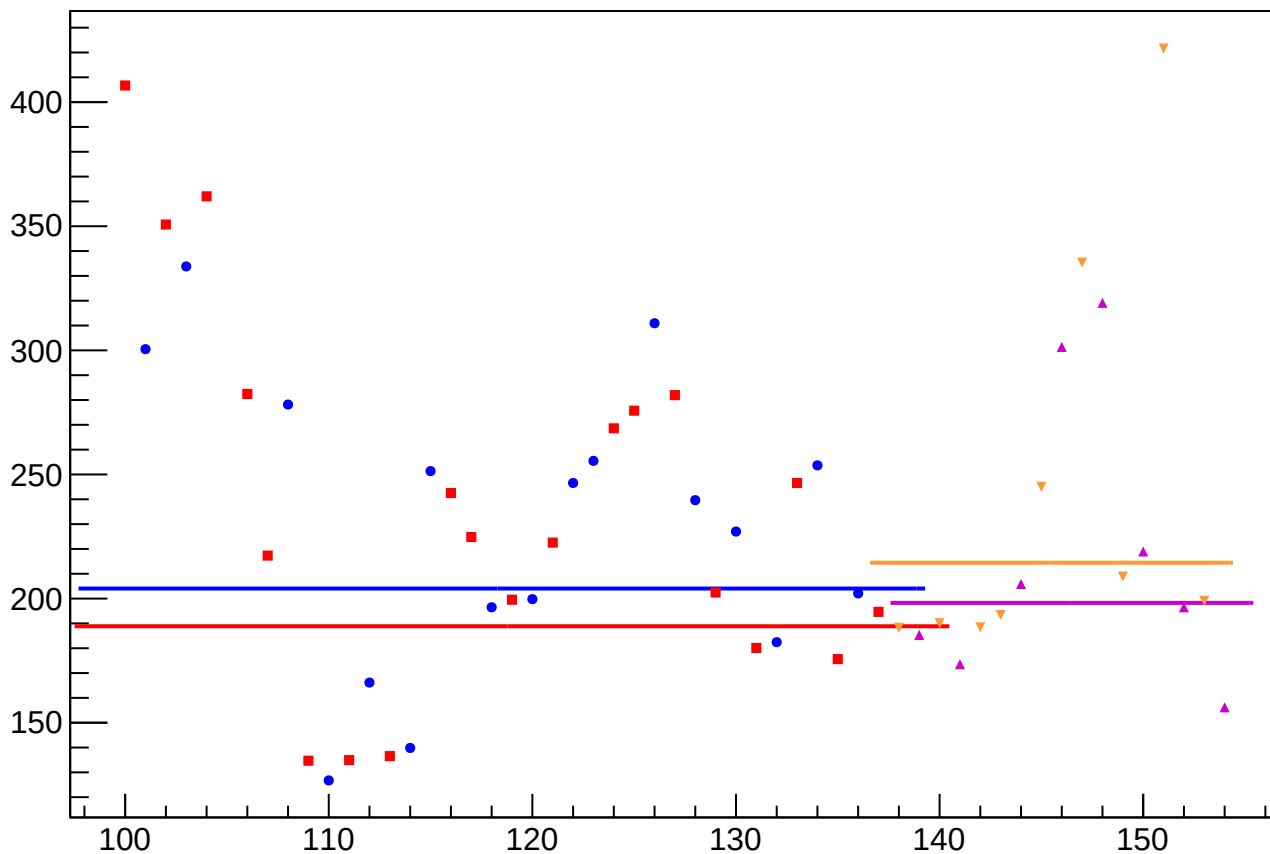
Right Out: 931.363 ± 75.320 $\chi^2/\text{NDF}: 583.1/19$

Left In: 466.311 ± 81.840 $\chi^2/\text{NDF}: 521.0/7$

630.951 ± 60.075 $\chi^2/\text{NDF}: 1424.6/25$

718.098 ± 55.421 $\chi^2/\text{NDF}: 1121.6/27$

asym_bpm0l06WS_rms vs Slug



Right In: 204.051 ± 0.059 χ^2/NDF : 868423.0/16

Left Out: 214.444 ± 0.062 χ^2/NDF : 687763.3/8

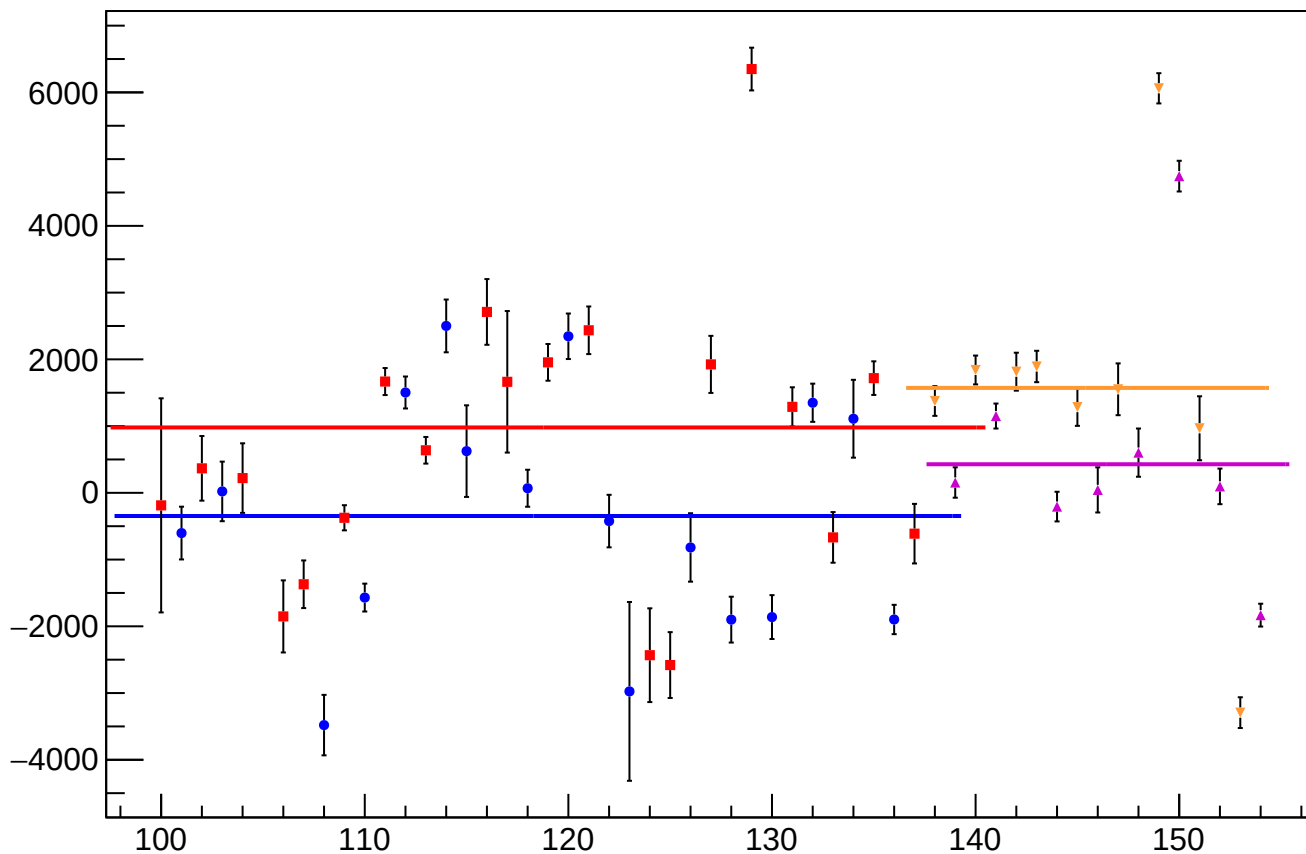
Right Out: 188.856 ± 0.053 χ^2/NDF : 1253327.1/19

Left In: 198.258 ± 0.058 χ^2/NDF : 593641.9/7

208.974 ± 0.042 χ^2/NDF : 1571109.5/25

193.167 ± 0.039 χ^2/NDF : 1861260.7/27

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 ± 81.318 χ^2/NDF : 399.1/16

Left Out: 1572.220 ± 86.389 χ^2/NDF : 846.5/8

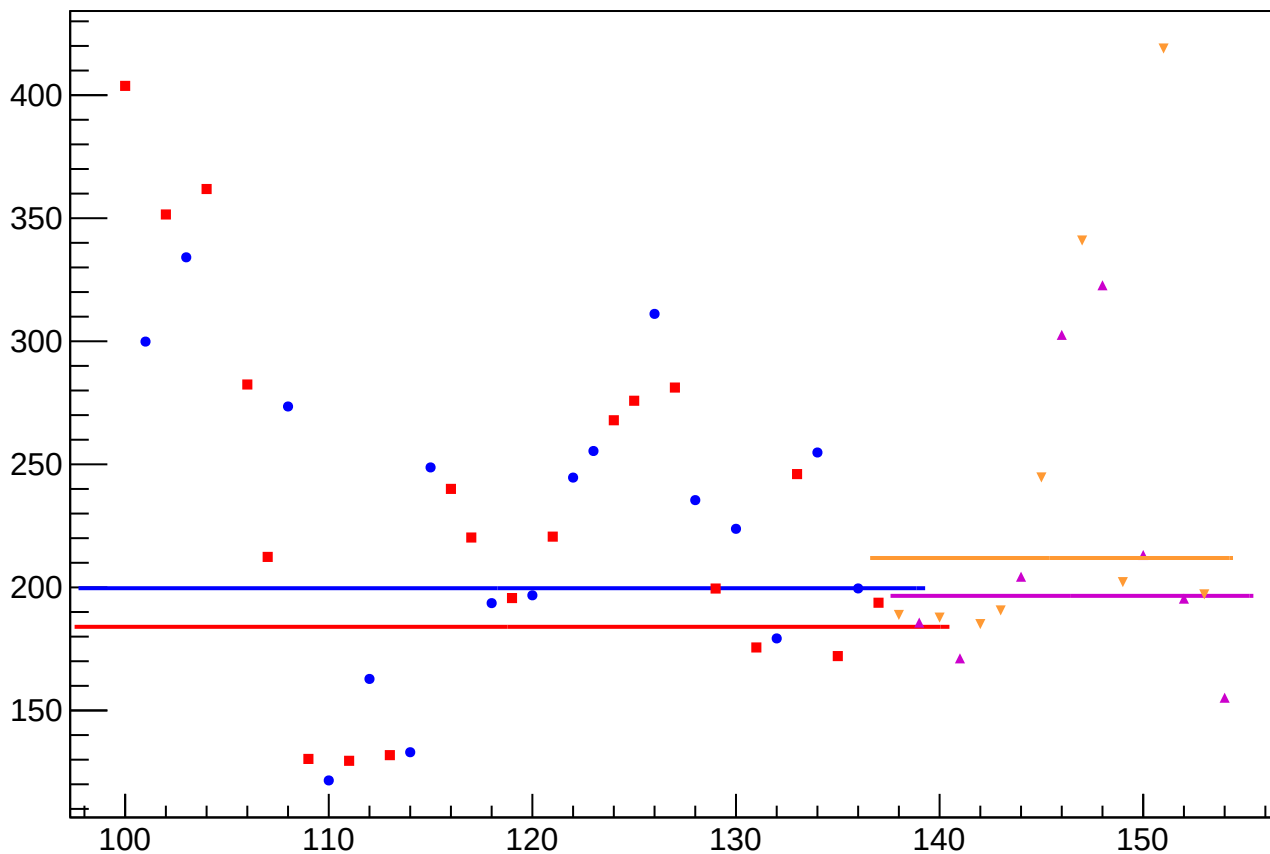
Right Out: 979.606 ± 73.710 χ^2/NDF : 586.1/19

Left In: 428.293 ± 81.205 χ^2/NDF : 554.3/7

554.501 ± 59.212 χ^2/NDF : 1507.4/25

730.561 ± 54.579 χ^2/NDF : 1165.6/27

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 ± 0.058 χ^2/NDF : 943155.1/16

Left Out: 211.946 ± 0.061 χ^2/NDF : 713917.3/8

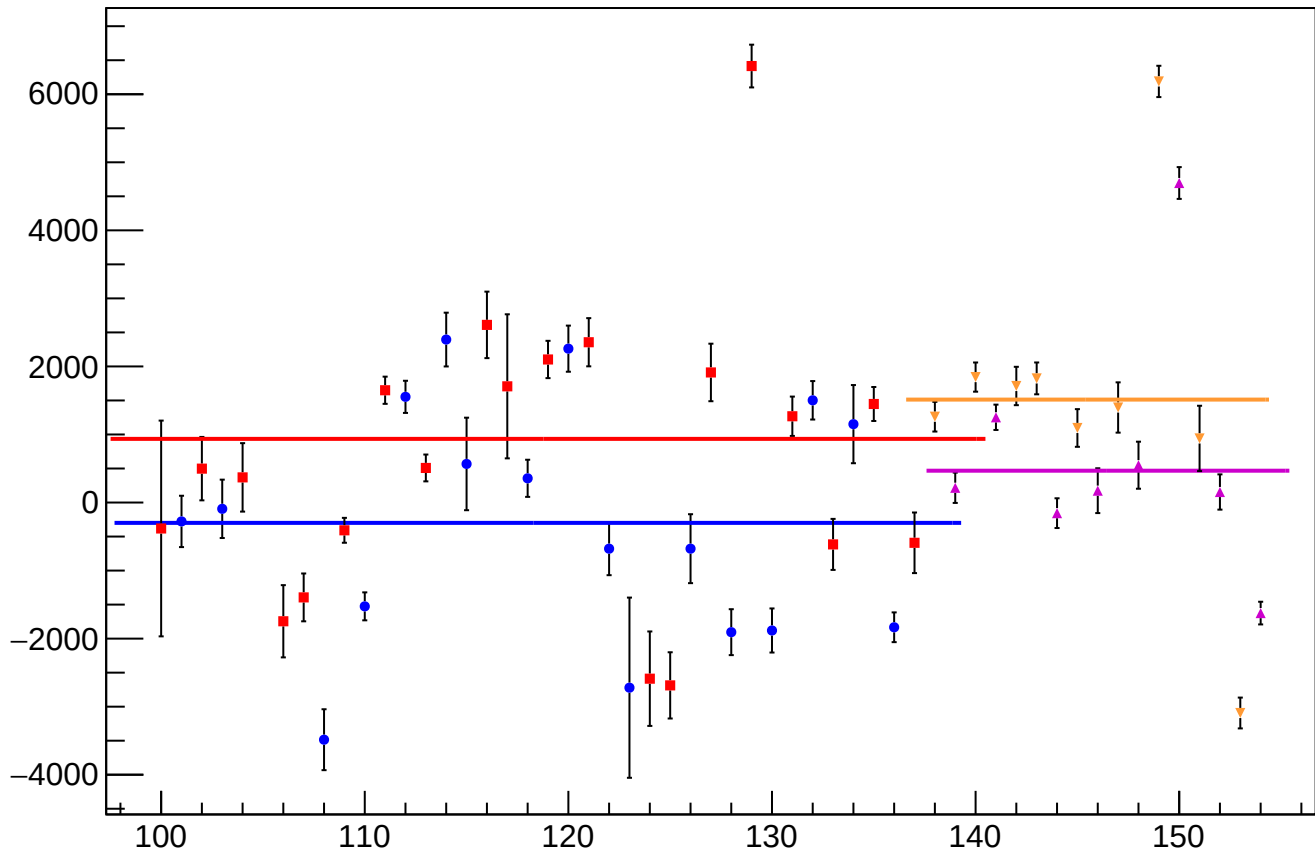
Right Out: 183.984 ± 0.052 χ^2/NDF : 1351978.1/19

Left In: 196.567 ± 0.057 χ^2/NDF : 611903.7/7

205.436 ± 0.042 χ^2/NDF : 1678487.0/25

189.668 ± 0.039 χ^2/NDF : 1990209.5/27

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 1512.802 ± 85.529 χ^2/NDF : 836.4/8

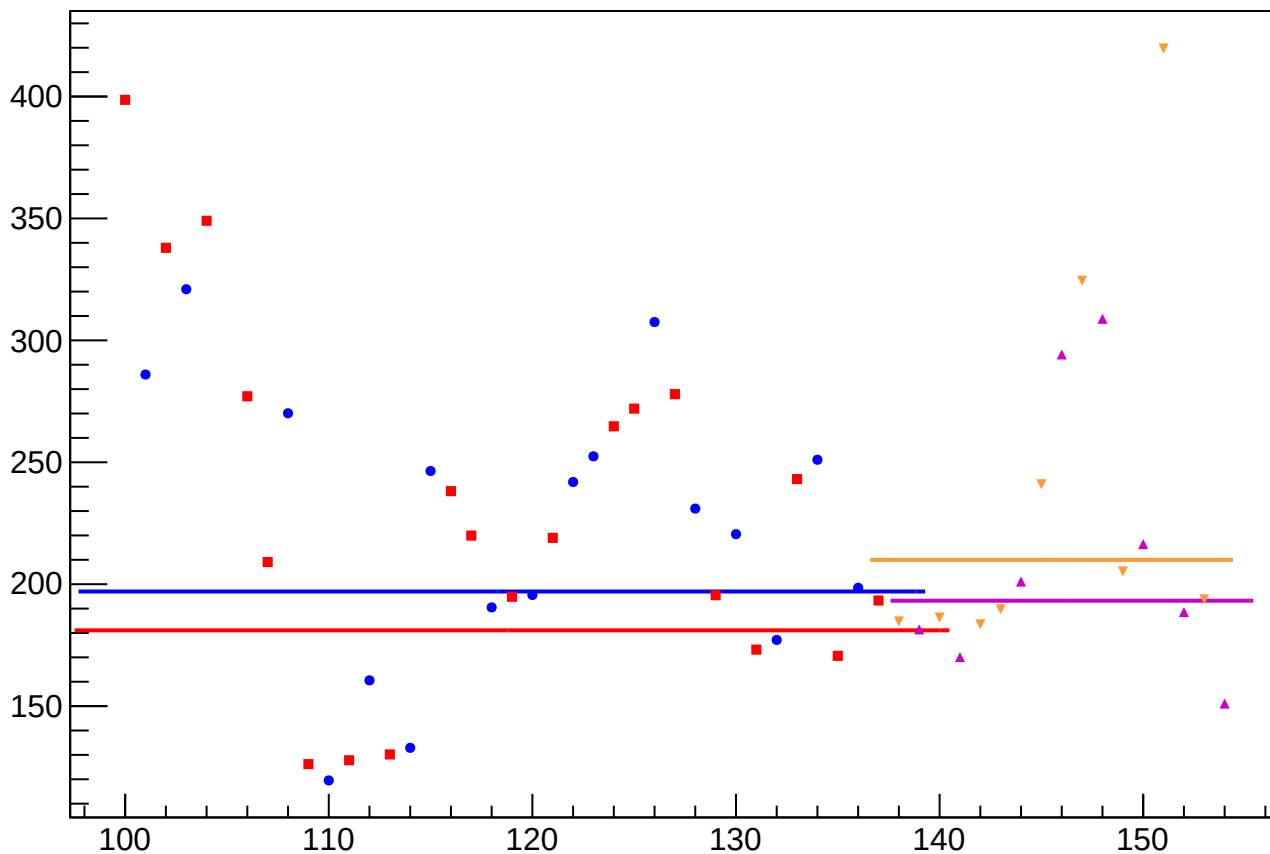
Right Out: 935.490 ± 72.580 χ^2/NDF : 615.3/19

Left In: 467.733 ± 79.866 χ^2/NDF : 514.6/7

548.290 ± 58.489 χ^2/NDF : 1481.8/25

723.919 ± 53.713 χ^2/NDF : 1148.7/27

asym_bpm0l08WS_rms vs Slug



Right In: 197.013 ± 0.057 χ^2/NDF : 911923.5/16

Left Out: 209.971 ± 0.060 χ^2/NDF : 693505.7/8

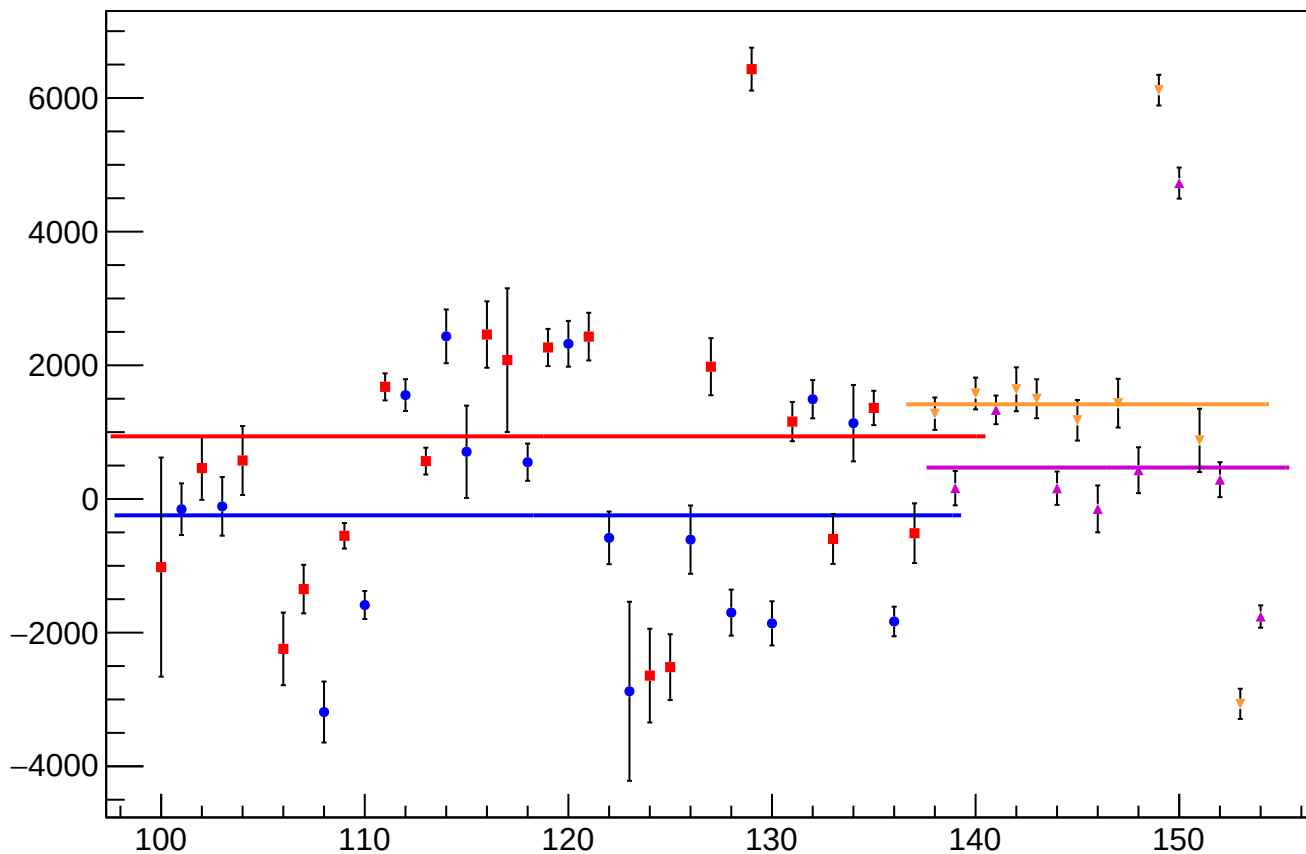
Right Out: 181.089 ± 0.051 χ^2/NDF : 1348390.5/19

Left In: 193.226 ± 0.056 χ^2/NDF : 599292.8/7

203.073 ± 0.041 χ^2/NDF : 1629868.2/25

186.579 ± 0.038 χ^2/NDF : 1972978.9/27

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 ± 81.395 $\chi^2/\text{NDF}: 391.4/16$

Left Out: 1417.156 ± 92.385 $\chi^2/\text{NDF}: 817.2/8$

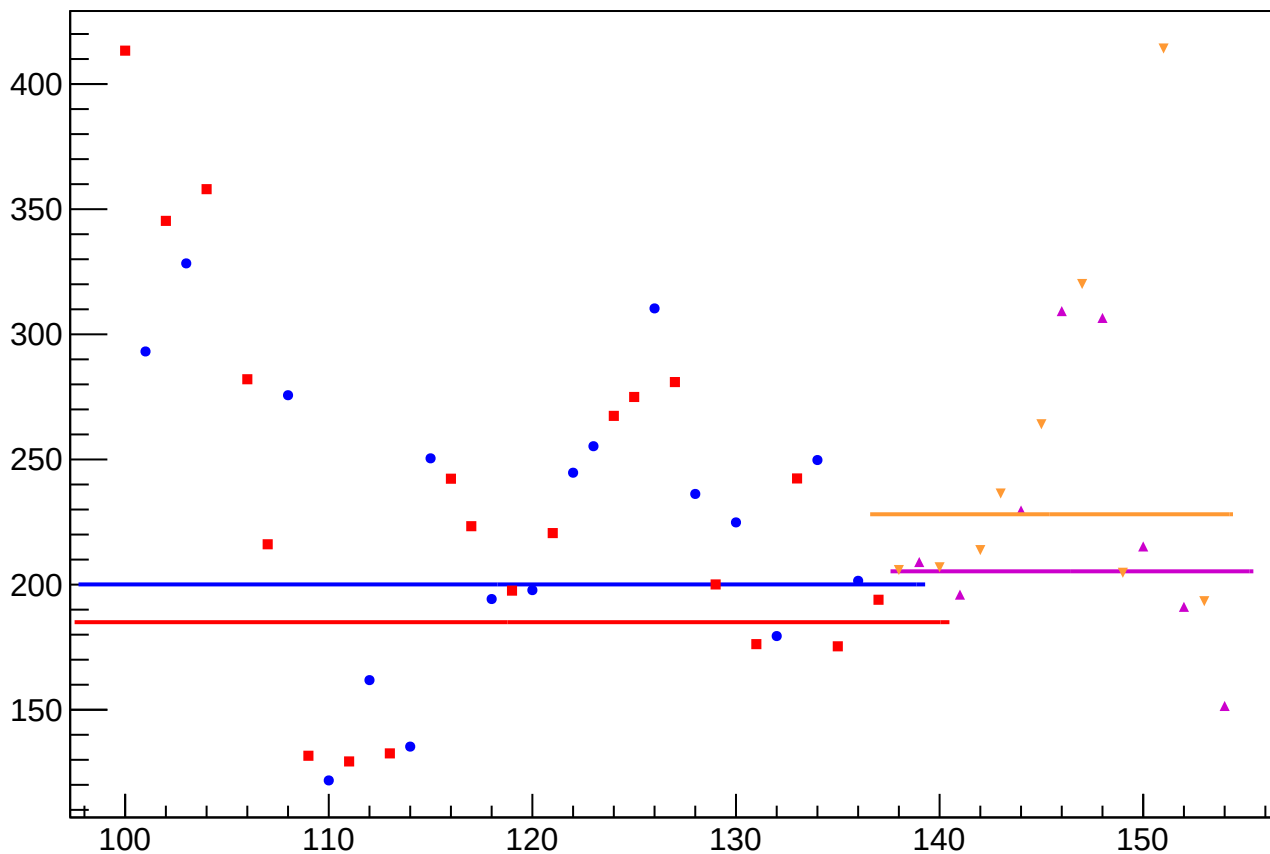
Right Out: 936.709 ± 74.030 $\chi^2/\text{NDF}: 610.9/19$

Left In: 470.428 ± 84.945 $\chi^2/\text{NDF}: 536.3/7$

481.423 ± 61.073 $\chi^2/\text{NDF}: 1390.8/25$

735.433 ± 55.810 $\chi^2/\text{NDF}: 1164.3/27$

asym_bpm0l09WS_rms vs Slug



Right In: 200.078 ± 0.058 χ^2/NDF : 918309.2/16

Left Out: 228.108 ± 0.065 χ^2/NDF : 570486.6/8

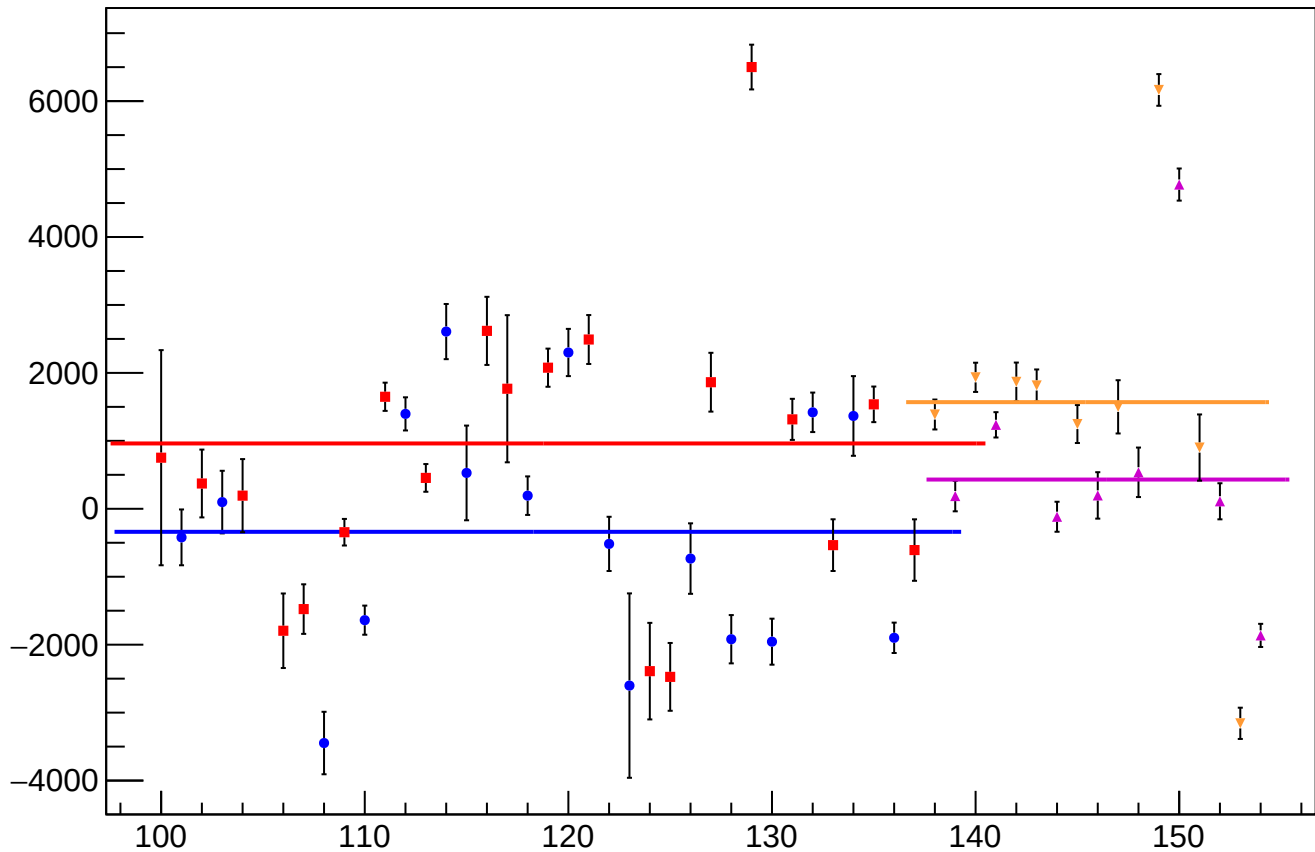
Right Out: 184.990 ± 0.052 χ^2/NDF : 1320825.4/19

Left In: 205.310 ± 0.060 χ^2/NDF : 590031.5/7

212.327 ± 0.043 χ^2/NDF : 1592443.0/25

193.761 ± 0.039 χ^2/NDF : 1975901.0/27

asym_bpm0l10WS_mean vs Slug



Right In: -338.966+/-83.123 χ^2/NDF : 389.5/16

Left Out: 1569.557+/-86.532 χ^2/NDF : 819.4/8

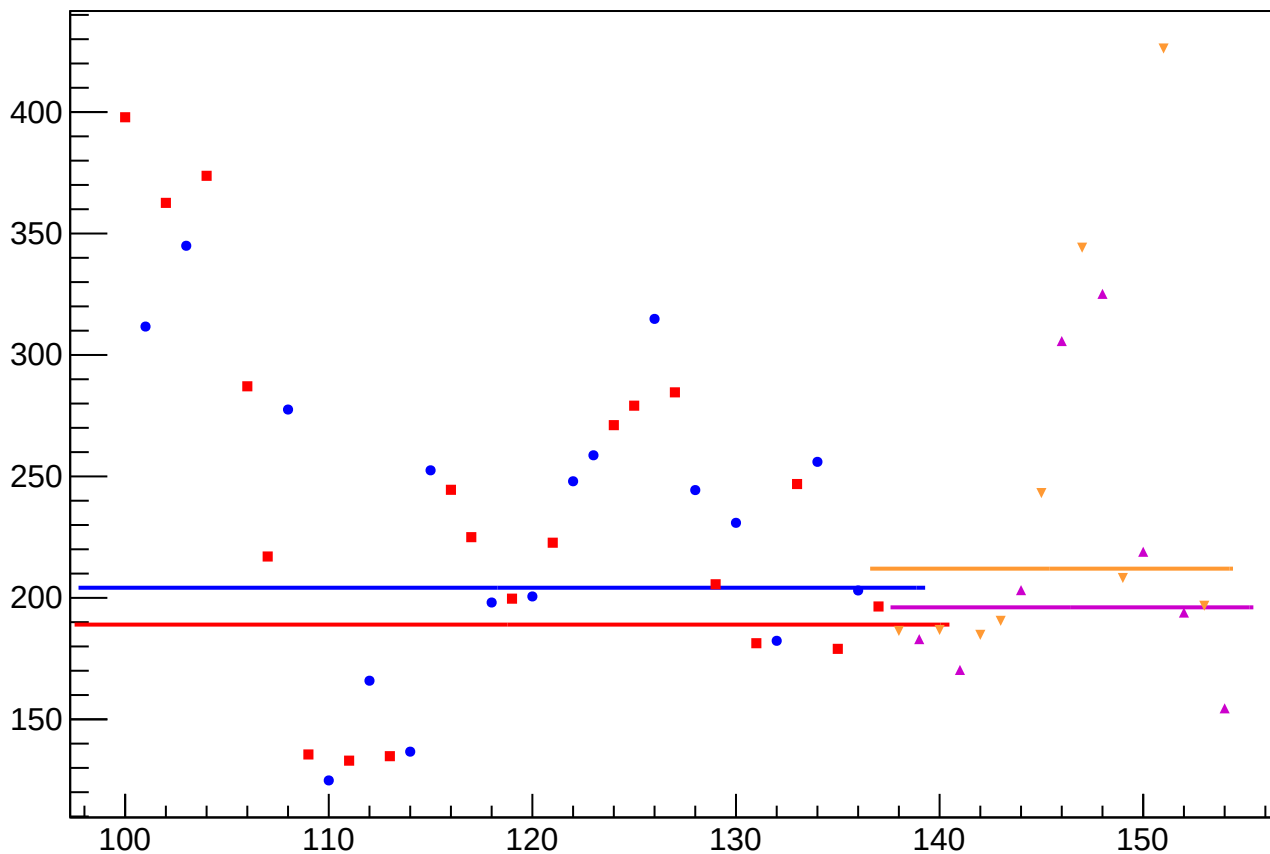
Right Out: 961.556+/-75.564 χ^2/NDF : 570.9/19

Left In: 430.352+/-81.158 χ^2/NDF : 546.8/7

576.956+/-59.946 χ^2/NDF : 1461.9/25

714.891+/-55.304 χ^2/NDF : 1140.7/27

asym_bpm0l10WS_rms vs Slug



Right In: 204.175 ± 0.059 χ^2/NDF : 947438.5/16

Left Out: 212.029 ± 0.061 χ^2/NDF : 737624.4/8

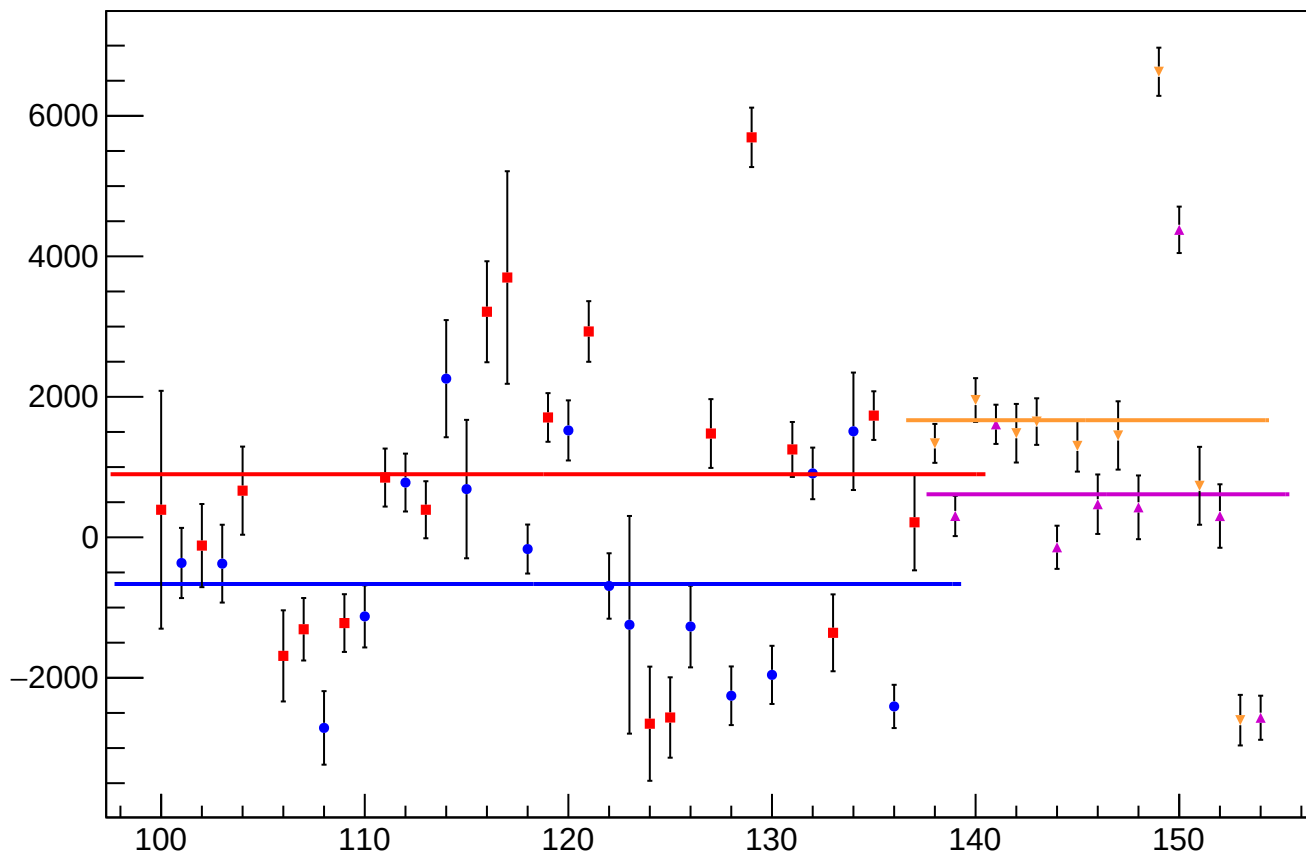
Right Out: 188.997 ± 0.053 χ^2/NDF : 1317112.1/19

Left In: 196.104 ± 0.057 χ^2/NDF : 642102.1/7

207.944 ± 0.042 χ^2/NDF : 1693632.0/25

192.297 ± 0.039 χ^2/NDF : 1967429.0/27

asym_bpm0r03WS_mean vs Slug



Right In: -664.383+/-113.949 χ^2/NDF : 154.3/16

Left Out: 1667.212+/-120.099 χ^2/NDF : 356.4/8

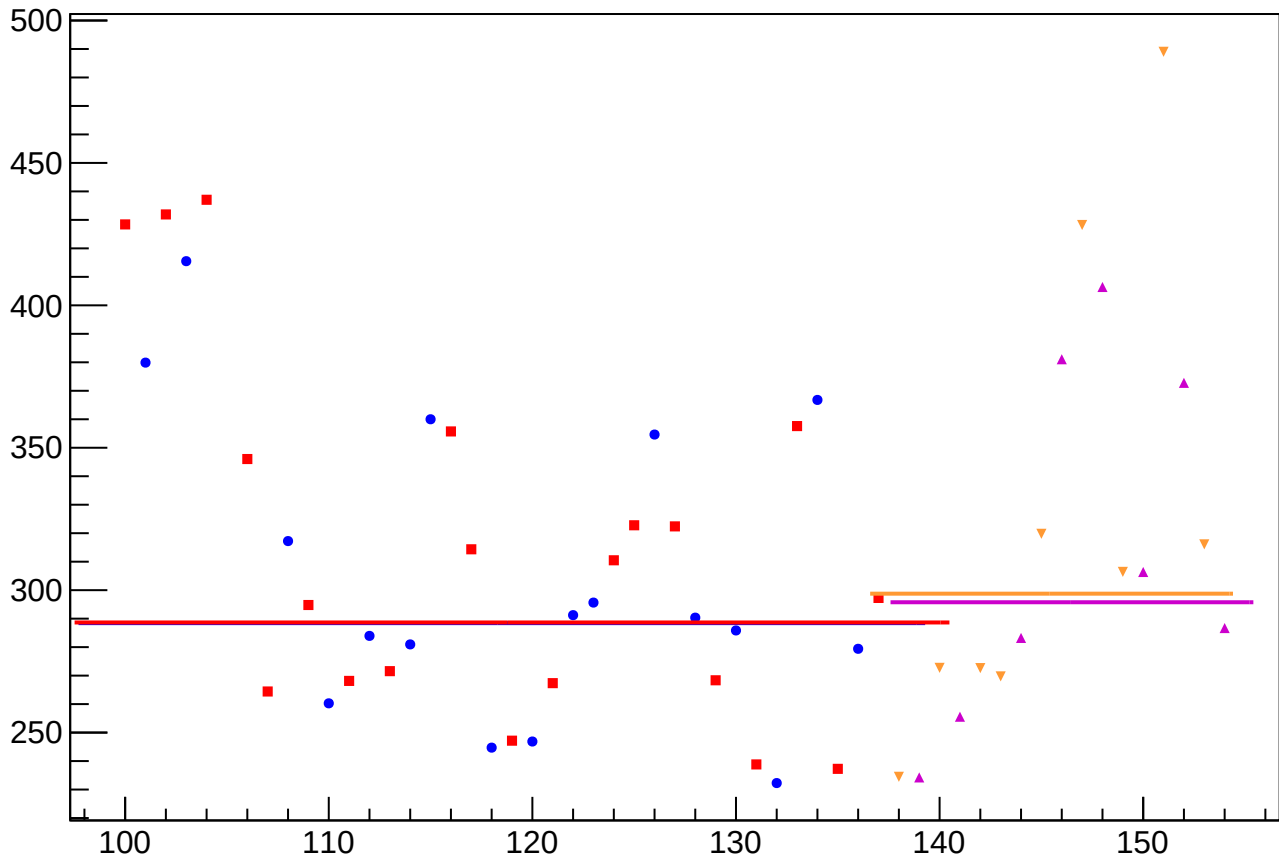
Right Out: 898.290+/-110.578 χ^2/NDF : 323.5/19

Left In: 612.768+/-119.332 χ^2/NDF : 253.2/7

440.183+/-82.663 χ^2/NDF : 709.1/25

766.384+/-81.109 χ^2/NDF : 579.8/27

asym_bpm0r03WS_rms vs Slug



Right In: 288.428+/-0.081 χ^2/NDF : 339820.0/16

Left Out: 298.769+/-0.085 χ^2/NDF :534164.5/8

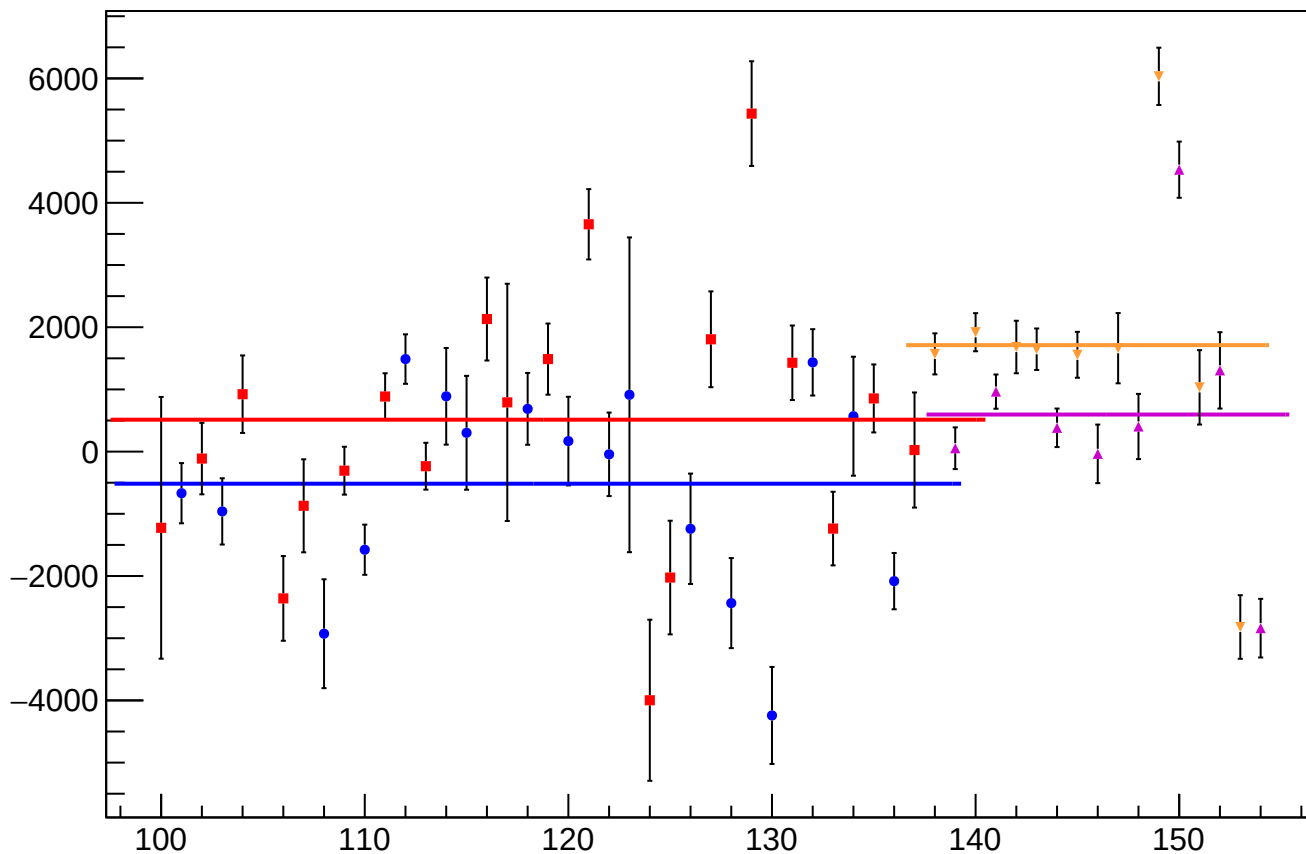
Right Out: 288.660+/-0.078 χ^2/NDF : 455989.7/19

Left In: 295.757+/-0.084 χ^2/NDF :398818.9/7

293.327+/-0.058 χ^2/NDF : 881787.5/25

291.938+/-0.057 χ^2/NDF : 858614.3/27

asym_bpm0r05WS_mean vs Slug



Right In: -515.894 ± 147.326 $\chi^2/\text{NDF}: 108.0/16$

Left Out: 1712.161 ± 133.346 $\chi^2/\text{NDF}: 168.7/8$

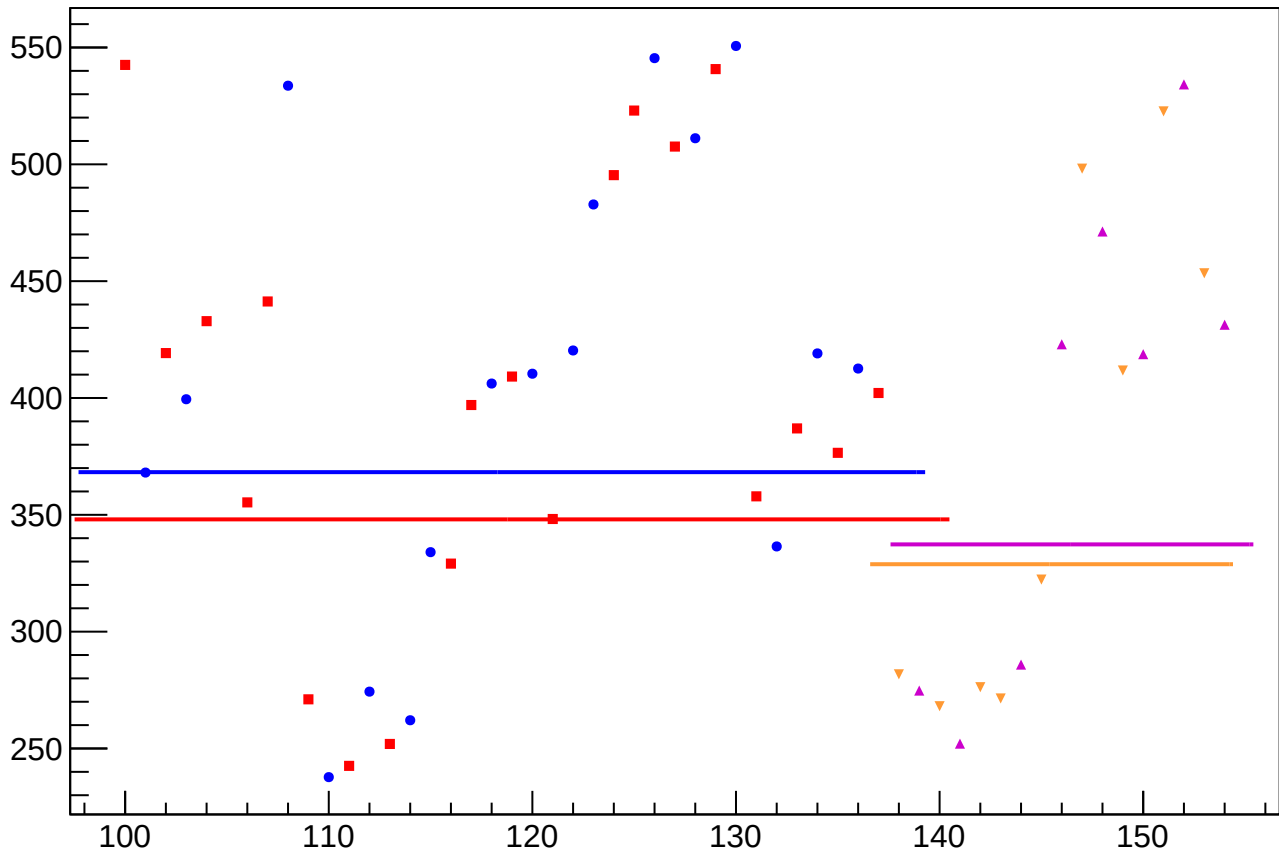
Right Out: 513.264 ± 135.456 $\chi^2/\text{NDF}: 141.3/19$

Left In: 596.294 ± 137.720 $\chi^2/\text{NDF}: 137.2/7$

708.842 ± 98.864 $\chi^2/\text{NDF}: 402.4/25$

554.091 ± 96.572 $\chi^2/\text{NDF}: 278.7/27$

asym_bpm0r05WS_rms vs Slug



Right In: 368.264+/-0.104 χ^2/NDF : 770116.6/16

Left Out: 328.861+/-0.094 χ^2/NDF : 783752.9/8

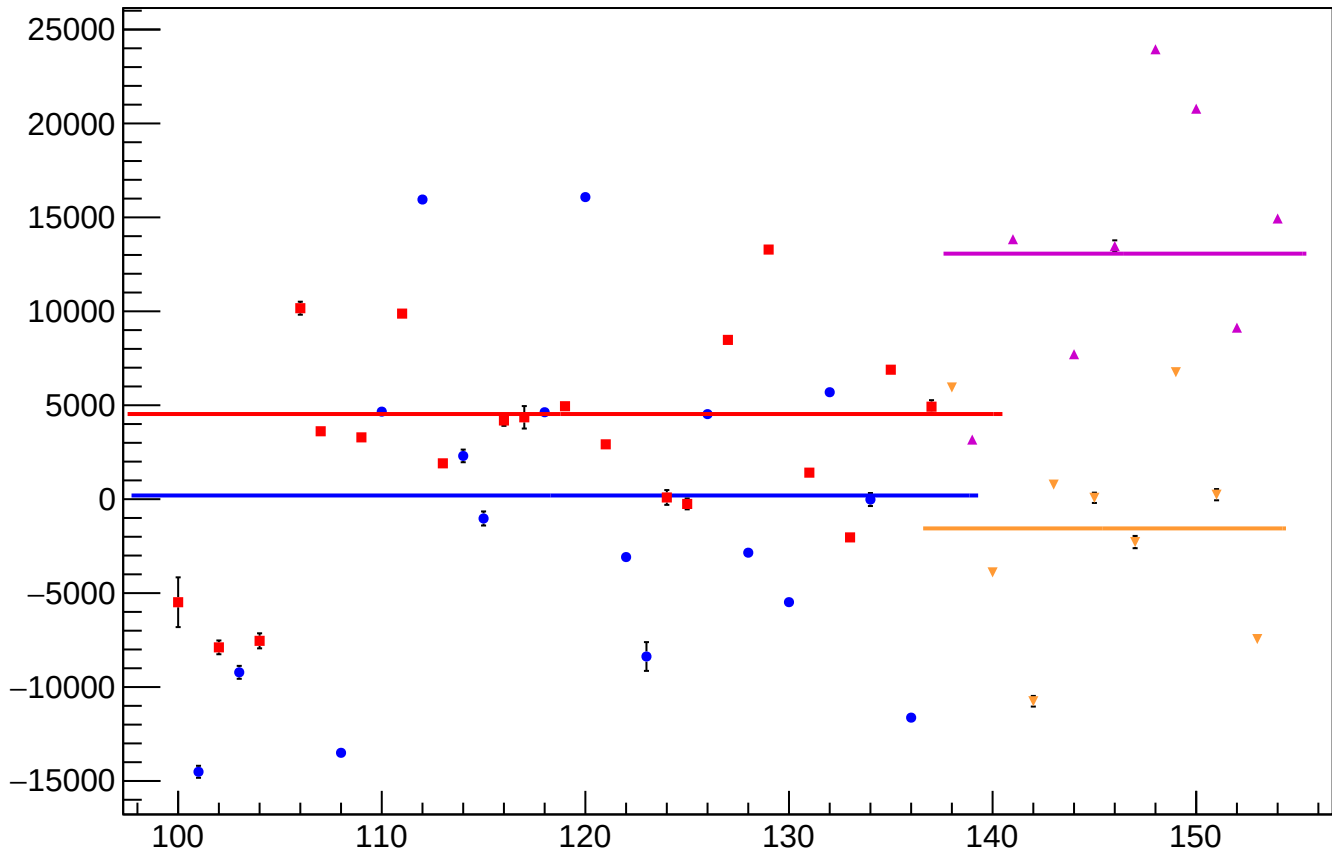
Right Out: 348.050+/-0.096 χ^2/NDF : 823186.4/19

Left In: 337.346+/-0.097 χ^2/NDF : 863724.5/7

346.605+/-0.070 χ^2/NDF : 1632510.1/25

342.787+/-0.068 χ^2/NDF : 1693051.8/27

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 ± 54.799 $\chi^2/\text{NDF}: 30658.3/16$

Left Out: -1555.864 ± 75.304 $\chi^2/\text{NDF}: 5739.6/8$

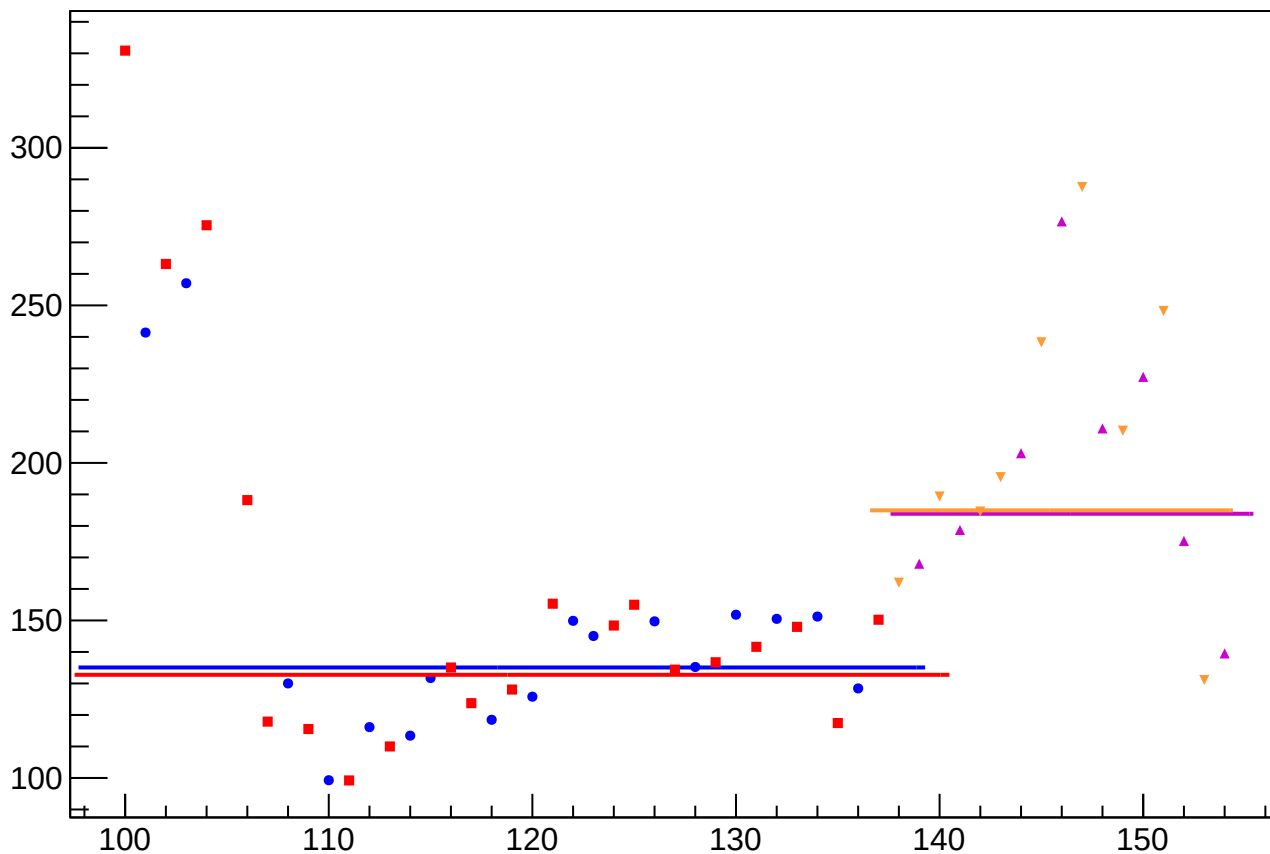
Right Out: 4532.856 ± 52.261 $\chi^2/\text{NDF}: 7477.3/19$

Left In: 13069.433 ± 75.528 $\chi^2/\text{NDF}: 6318.6/7$

-409.858 ± 44.309 $\chi^2/\text{NDF}: 36752.1/25$

7296.717 ± 42.976 $\chi^2/\text{NDF}: 22434.6/27$

asym_bpm0i02WS_rms vs Slug



Right In: 135.072+/-0.039 χ^2/NDF : 658703.5/16

Left Out: 184.940+/-0.053 χ^2/NDF : 685147.0/8

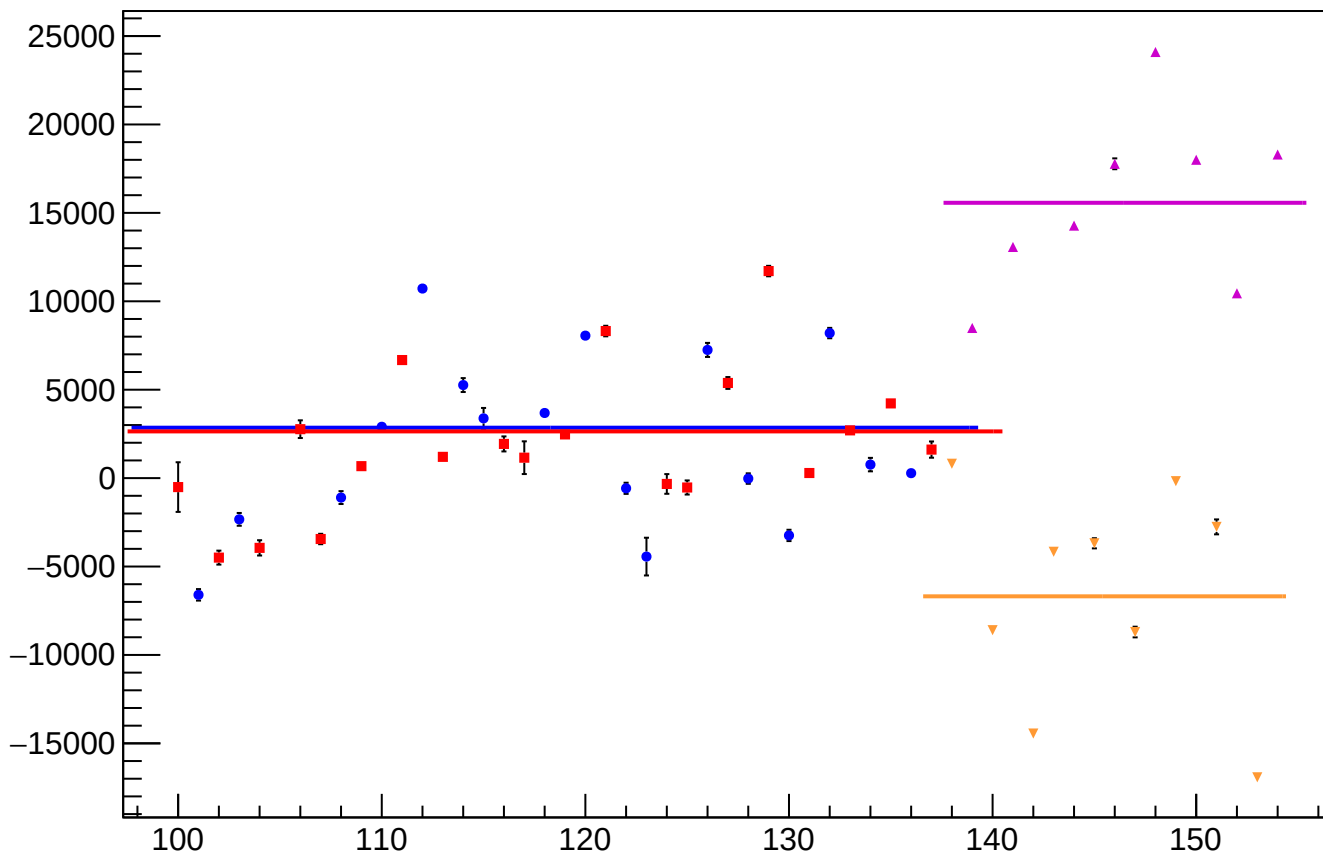
Right Out: 132.747+/-0.037 χ^2/NDF : 831647.2/19

Left In: 183.862+/-0.053 χ^2/NDF : 468650.5/7

152.337+/-0.031 χ^2/NDF : 1917278.5/25

149.296+/-0.030 χ^2/NDF : 1919734.6/27

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -6685.300+/-81.558 χ^2/NDF : 6127.2/8

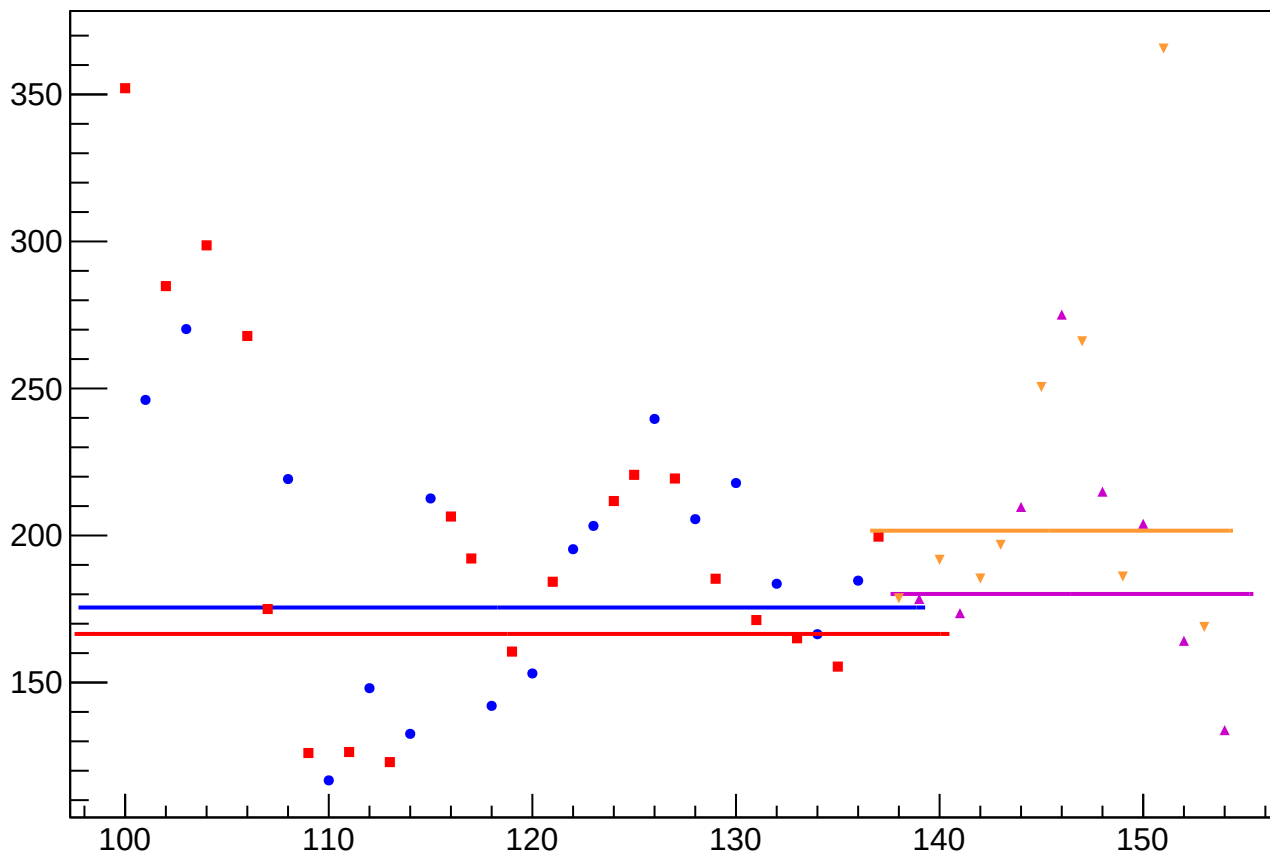
Right Out: 2641.642+/-65.566 χ^2/NDF : 3178.3/19

Left In: 15570.196+/-74.245 χ^2/NDF : 3498.3/7

-1243.806+/-53.445 χ^2/NDF : 18107.0/25

8306.373+/-49.145 χ^2/NDF : 23712.9/27

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514+/-0.050 χ^2/NDF : 689642.3/16

Left Out: 201.637+/-0.058 χ^2/NDF :552158.6/8

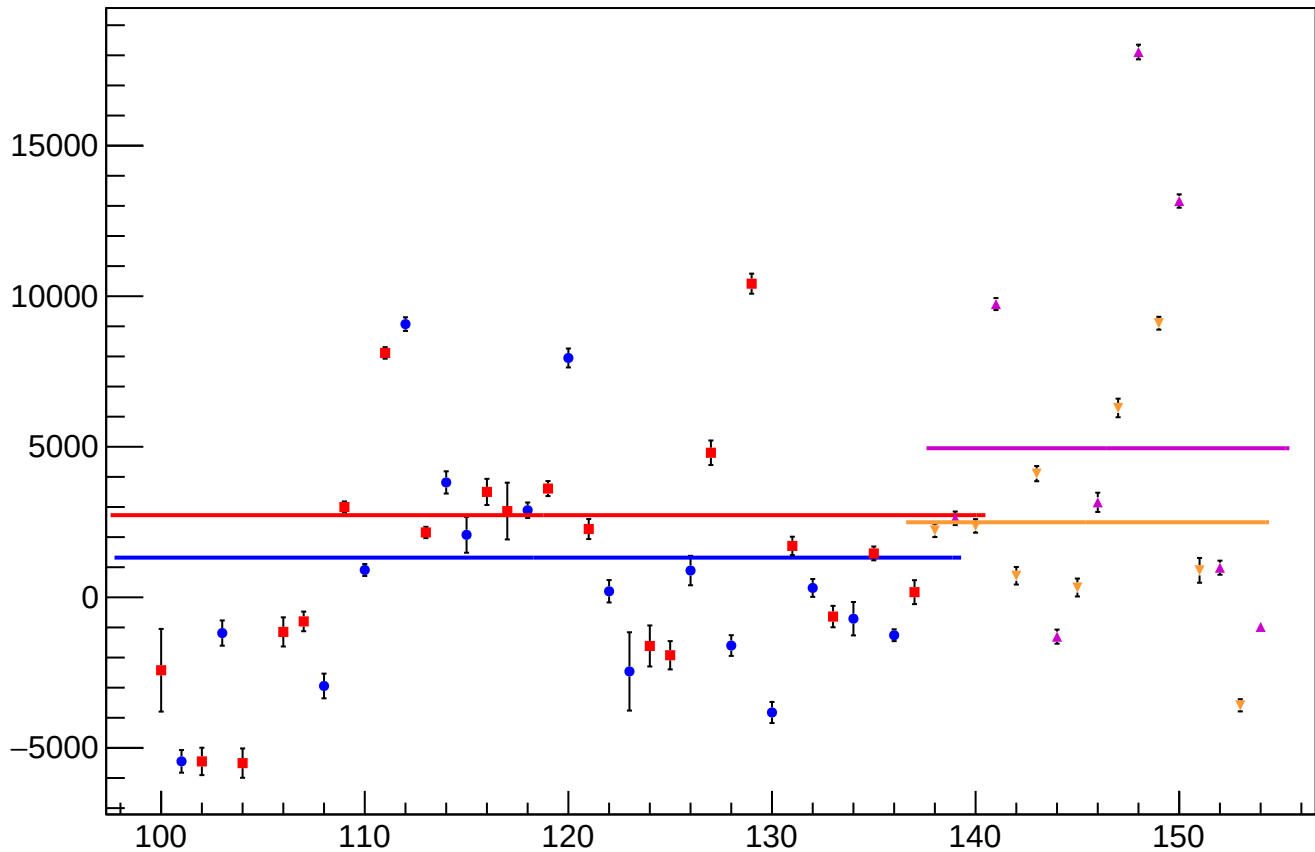
Right Out: 166.522+/-0.046 χ^2/NDF : 931079.9/19

Left In: 180.122+/-0.052 χ^2/NDF :498954.0/7

186.732+/-0.038 χ^2/NDF : 1358875.5/25

172.481+/-0.035 χ^2/NDF : 1467736.6/27

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 2493.393+/-84.003 χ^2/NDF : 2160.3/8

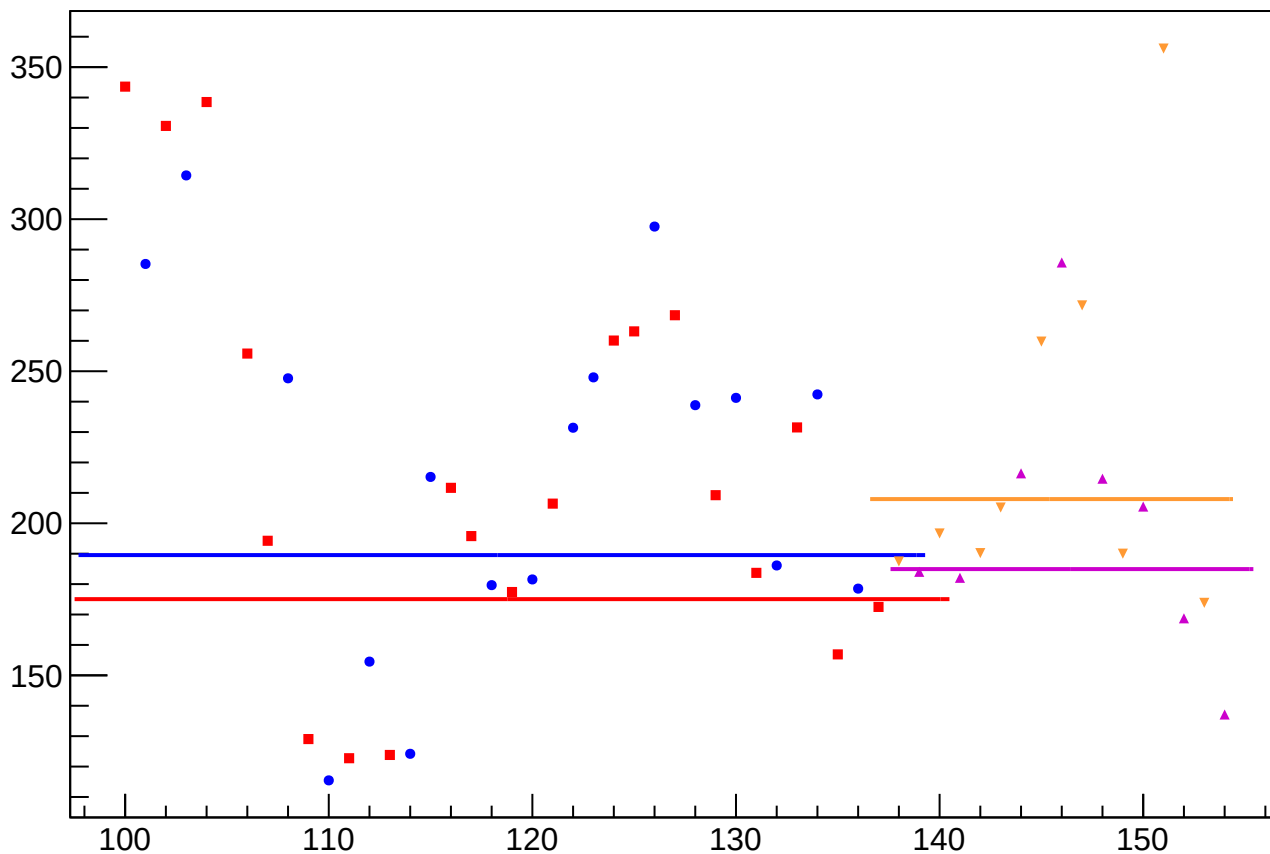
Right Out: 2728.550+/-69.837 χ^2/NDF : 2495.9/19

Left In: 4951.227+/-76.261 χ^2/NDF : 7530.1/7

1856.317+/-56.820 χ^2/NDF : 4933.4/25

3742.334+/-51.504 χ^2/NDF : 10488.1/27

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 ± 0.055 $\chi^2/\text{NDF}: 980744.6/16$

Left Out: 207.960 ± 0.059 $\chi^2/\text{NDF}: 504745.7/8$

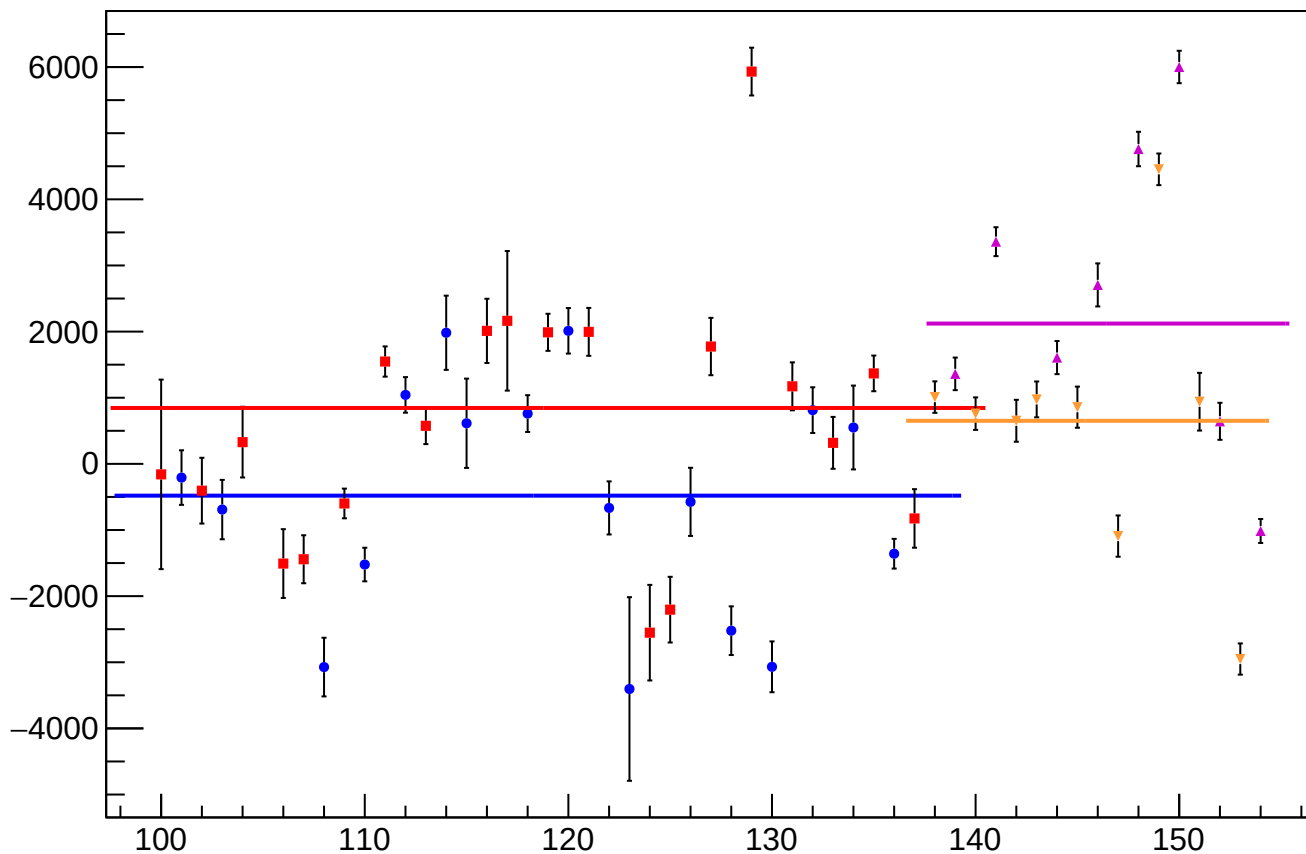
Right Out: 175.058 ± 0.049 $\chi^2/\text{NDF}: 1298079.7/19$

Left In: 184.939 ± 0.054 $\chi^2/\text{NDF}: 491643.1/7$

197.970 ± 0.040 $\chi^2/\text{NDF}: 1537631.7/25$

179.565 ± 0.036 $\chi^2/\text{NDF}: 1807982.9/27$

asym_bpm0i07WS_mean vs Slug



Right In: -480.578+/-88.640 χ^2/NDF : 290.7/16

Left Out: 651.018+/-91.652 χ^2/NDF : 521.5/8

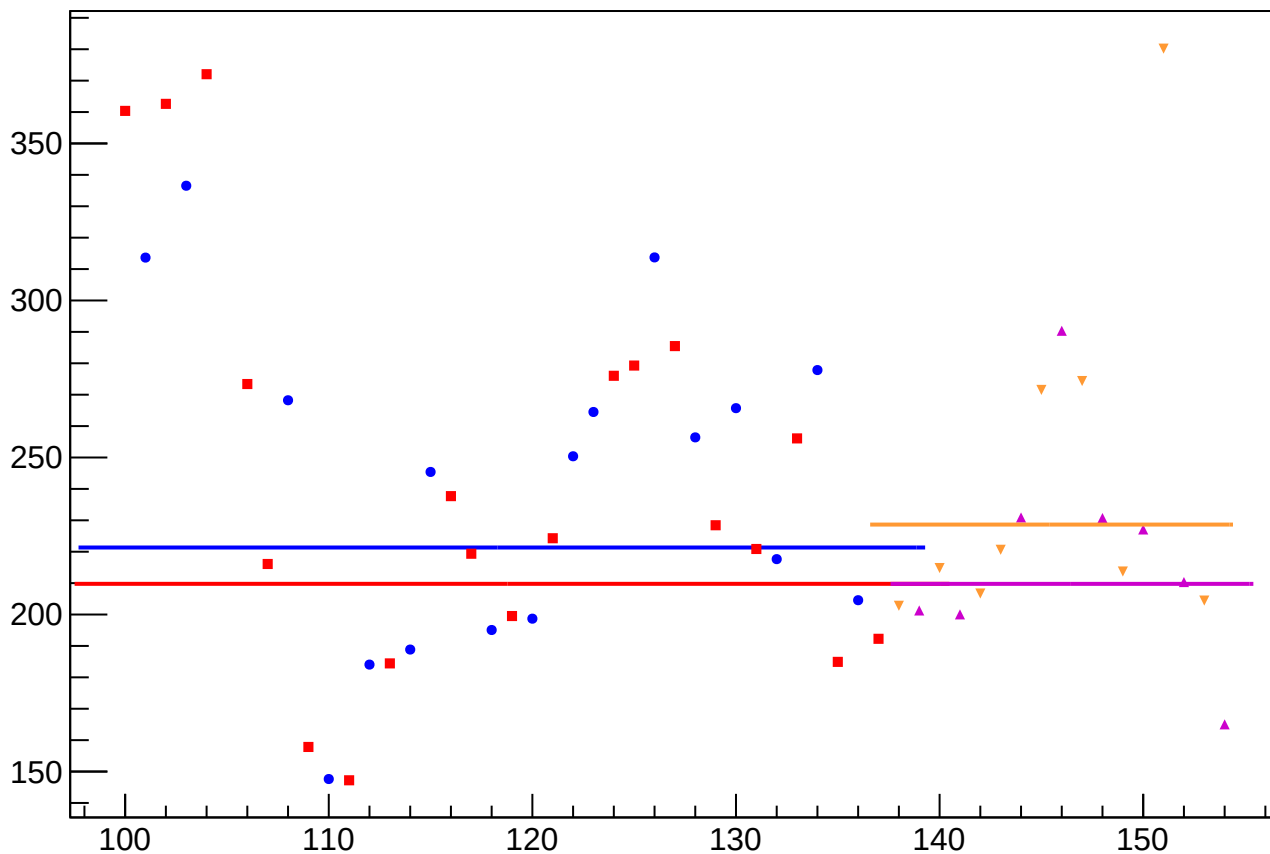
Right Out: 845.444+/-81.995 χ^2/NDF : 436.9/19

Left In: 2121.523+/-85.304 χ^2/NDF : 729.6/7

66.324+/-63.716 χ^2/NDF : 891.0/25

1458.250+/-59.114 χ^2/NDF : 1282.8/27

asym_bpm0i07WS_rms vs Slug



Right In: 221.342+/-0.063 χ^2/NDF : 645688.1/16

Left Out: 228.645+/-0.065 χ^2/NDF : 392354.8/8

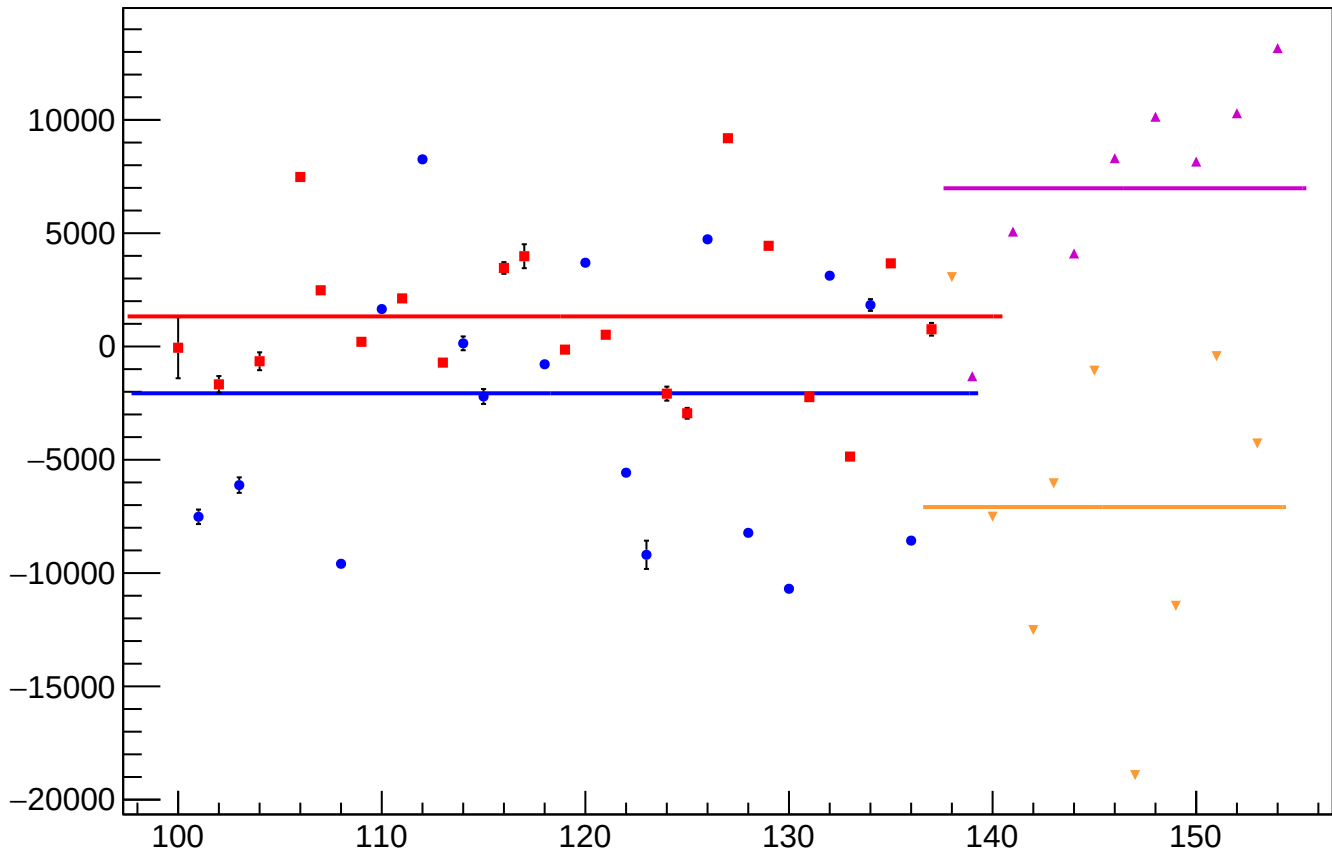
Right Out: 209.775+/-0.058 χ^2/NDF : 884083.7/19

Left In: 209.764+/-0.060 χ^2/NDF : 287882.0/7

224.872+/-0.045 χ^2/NDF : 1044603.9/25

209.770+/-0.042 χ^2/NDF : 1171965.7/27

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -7086.240 ± 44.415 $\chi^2/\text{NDF}: 22603.5/8$

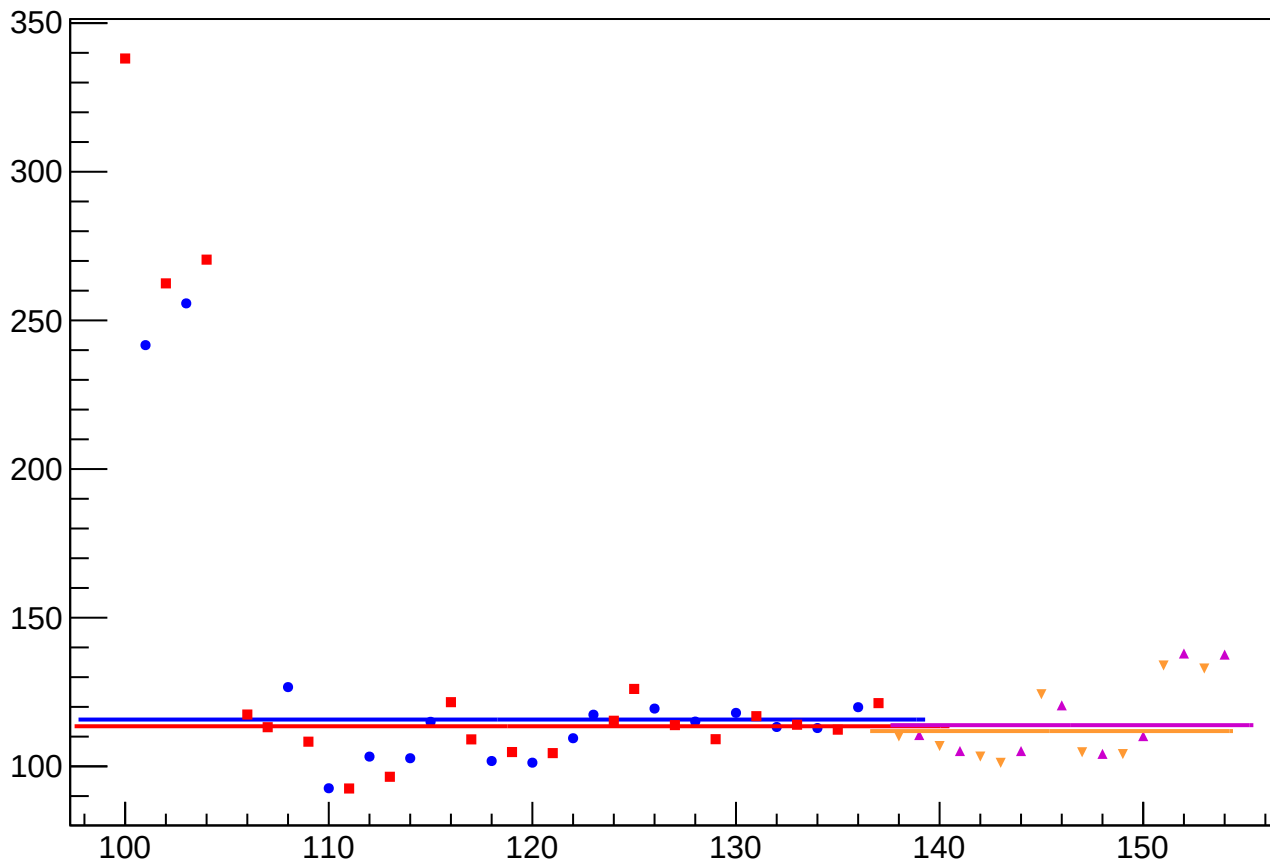
Right Out: 1327.819 ± 44.838 $\chi^2/\text{NDF}: 5919.9/19$

Left In: 6982.761 ± 45.245 $\chi^2/\text{NDF}: 7637.2/7$

-4734.652 ± 32.385 $\chi^2/\text{NDF}: 45122.3/25$

4129.739 ± 31.848 $\chi^2/\text{NDF}: 21438.1/27$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 ± 0.033 χ^2/NDF : 744017.7/16

Left Out: 111.864 ± 0.031 χ^2/NDF : 137245.5/8

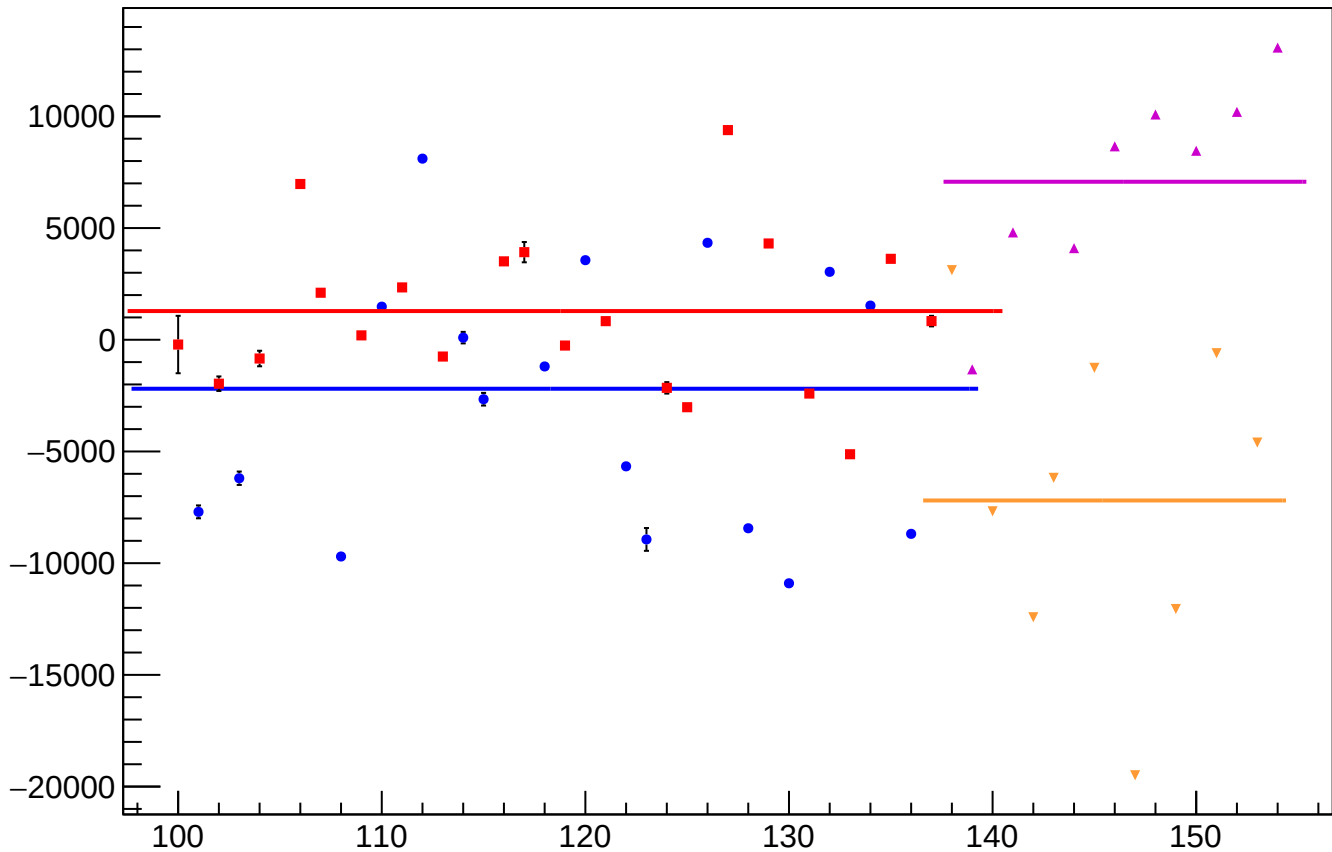
Right Out: 113.487 ± 0.032 χ^2/NDF : 796781.7/19

Left In: 113.850 ± 0.032 χ^2/NDF : 143763.8/7

113.680 ± 0.023 χ^2/NDF : 888398.9/25

113.667 ± 0.023 χ^2/NDF : 940610.7/27

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327+/-39.944 χ^2/NDF : 22813.5/16

Left Out: -7193.531+/-40.639 χ^2/NDF : 27279.1/8

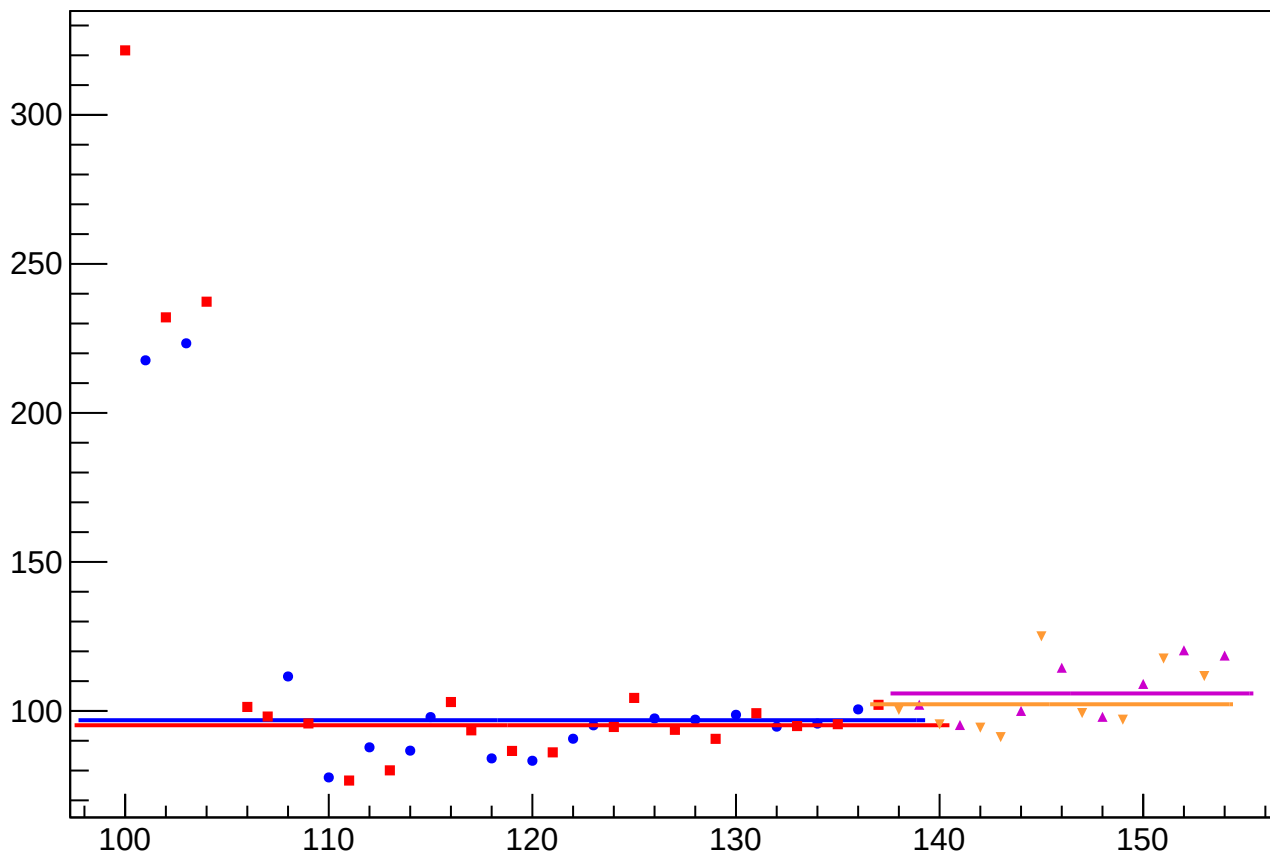
Right Out: 1284.692+/-37.915 χ^2/NDF : 8584.4/19

Left In: 7072.896+/-42.039 χ^2/NDF : 9305.5/7

-4649.812+/-28.487 χ^2/NDF : 57795.7/25

3881.076+/-28.155 χ^2/NDF : 28343.9/27

asym_bpm1i04WS_rms vs Slug



Right In: 96.894+/-0.028 χ^2/NDF : 817229.9/16

Left Out: 102.241+/-0.029 χ^2/NDF : 126207.0/8

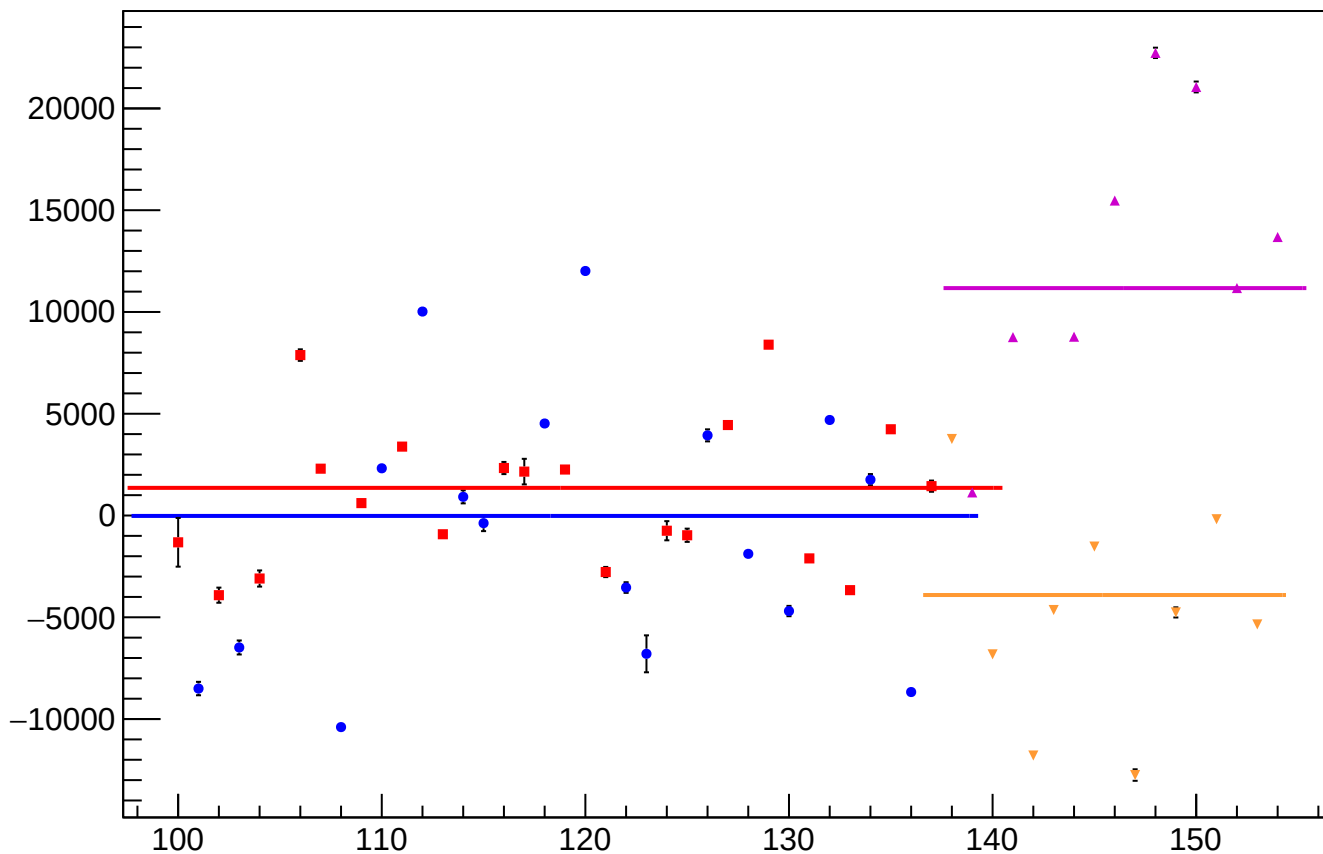
Right Out: 95.201+/-0.027 χ^2/NDF : 859838.2/19

Left In: 105.871+/-0.030 χ^2/NDF : 91130.6/7

99.521+/-0.020 χ^2/NDF : 961046.7/25

99.987+/-0.020 χ^2/NDF : 1022004.1/27

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 $\chi^2/\text{NDF}: 16361.0/16$

Left Out: -3905.745 ± 64.143 $\chi^2/\text{NDF}: 5371.7/8$

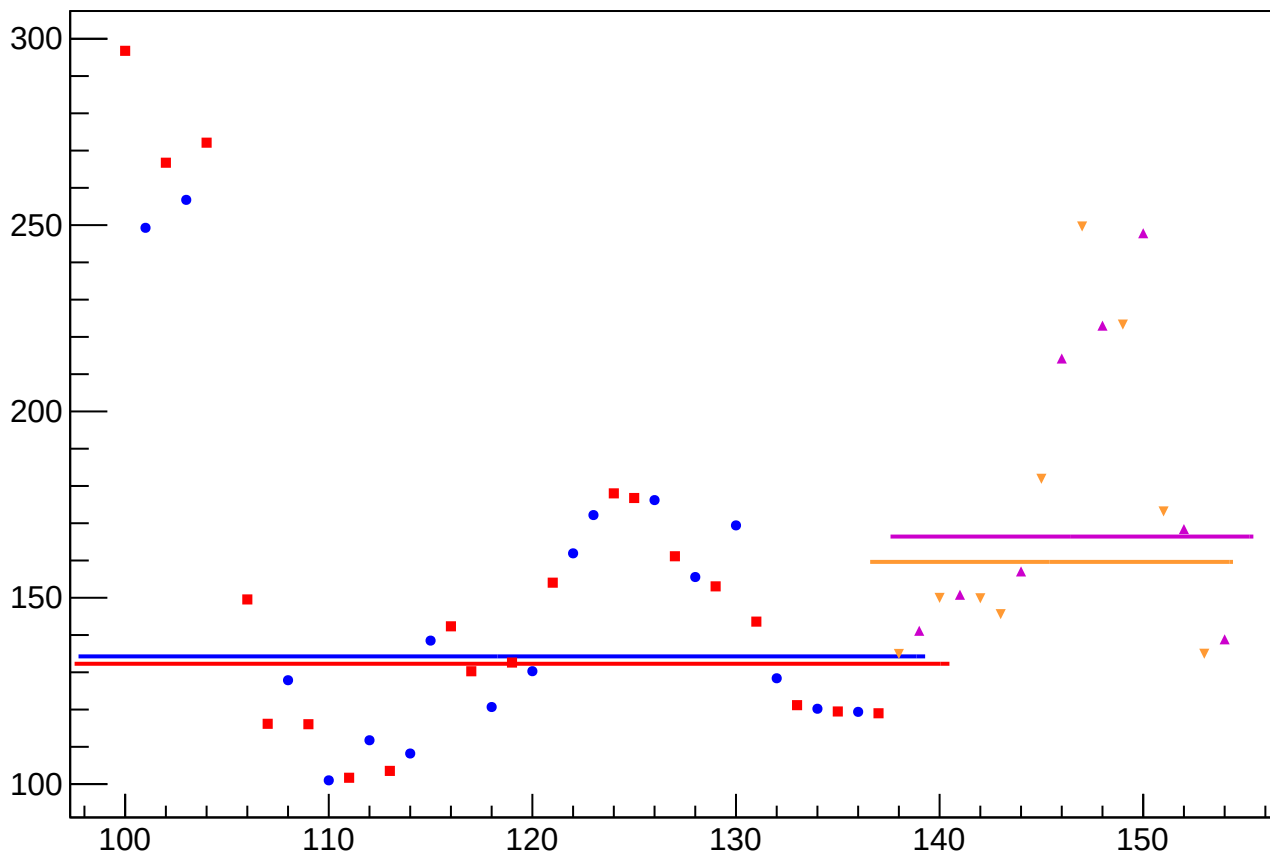
Right Out: 1359.001 ± 52.186 $\chi^2/\text{NDF}: 3838.8/19$

Left In: 11172.831 ± 67.253 $\chi^2/\text{NDF}: 7769.9/7$

-1654.085 ± 41.596 $\chi^2/\text{NDF}: 23859.3/25$

5047.275 ± 41.229 $\chi^2/\text{NDF}: 24899.7/27$

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 ± 0.039 χ^2/NDF : 788647.0/16

Left Out: 159.628 ± 0.045 χ^2/NDF : 487531.1/8

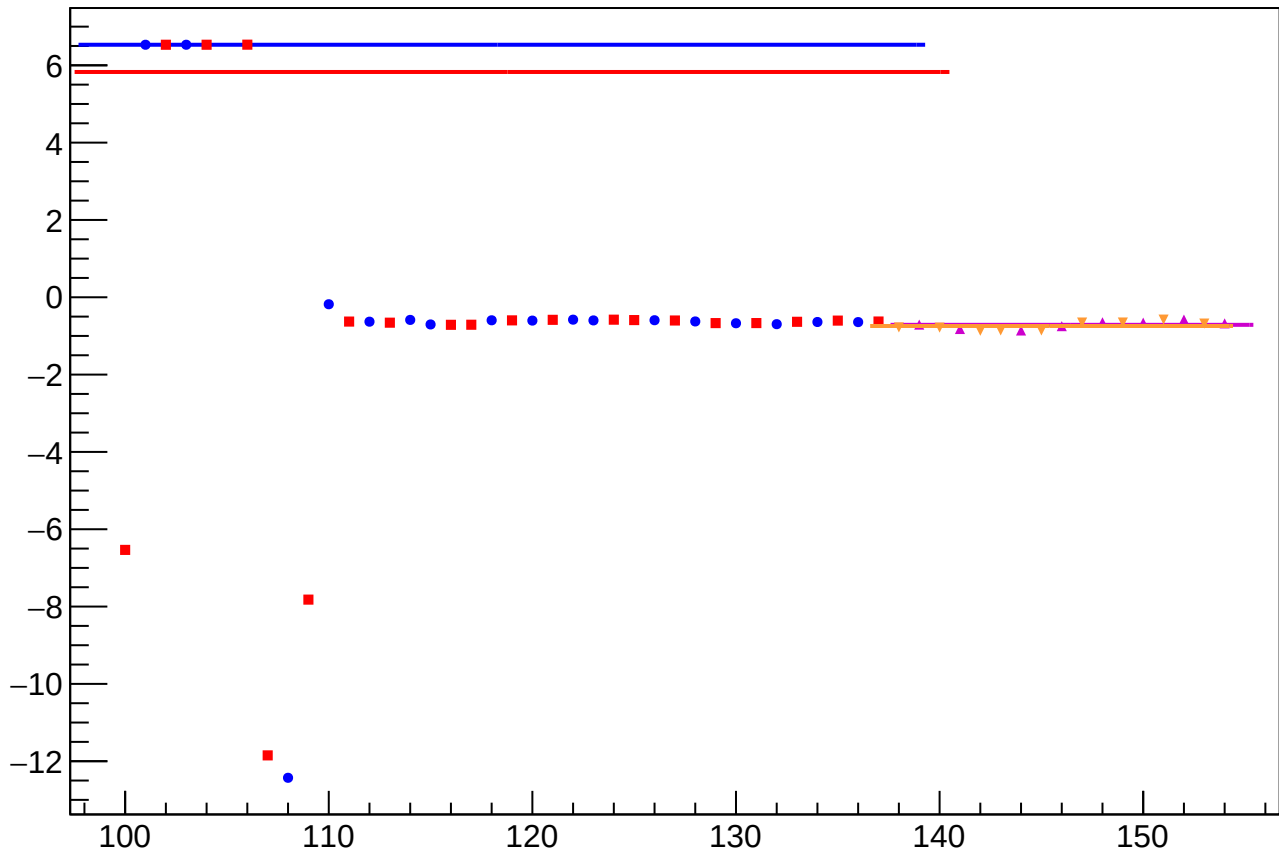
Right Out: 132.288 ± 0.037 χ^2/NDF : 869913.4/19

Left In: 166.424 ± 0.048 χ^2/NDF : 497520.1/7

144.932 ± 0.029 χ^2/NDF : 1457334.0/25

145.117 ± 0.029 χ^2/NDF : 1689037.6/27

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127906780672.7/16

6.531 $\pm$ 0.000 χ^2 /NDF: 443850670129.3/25

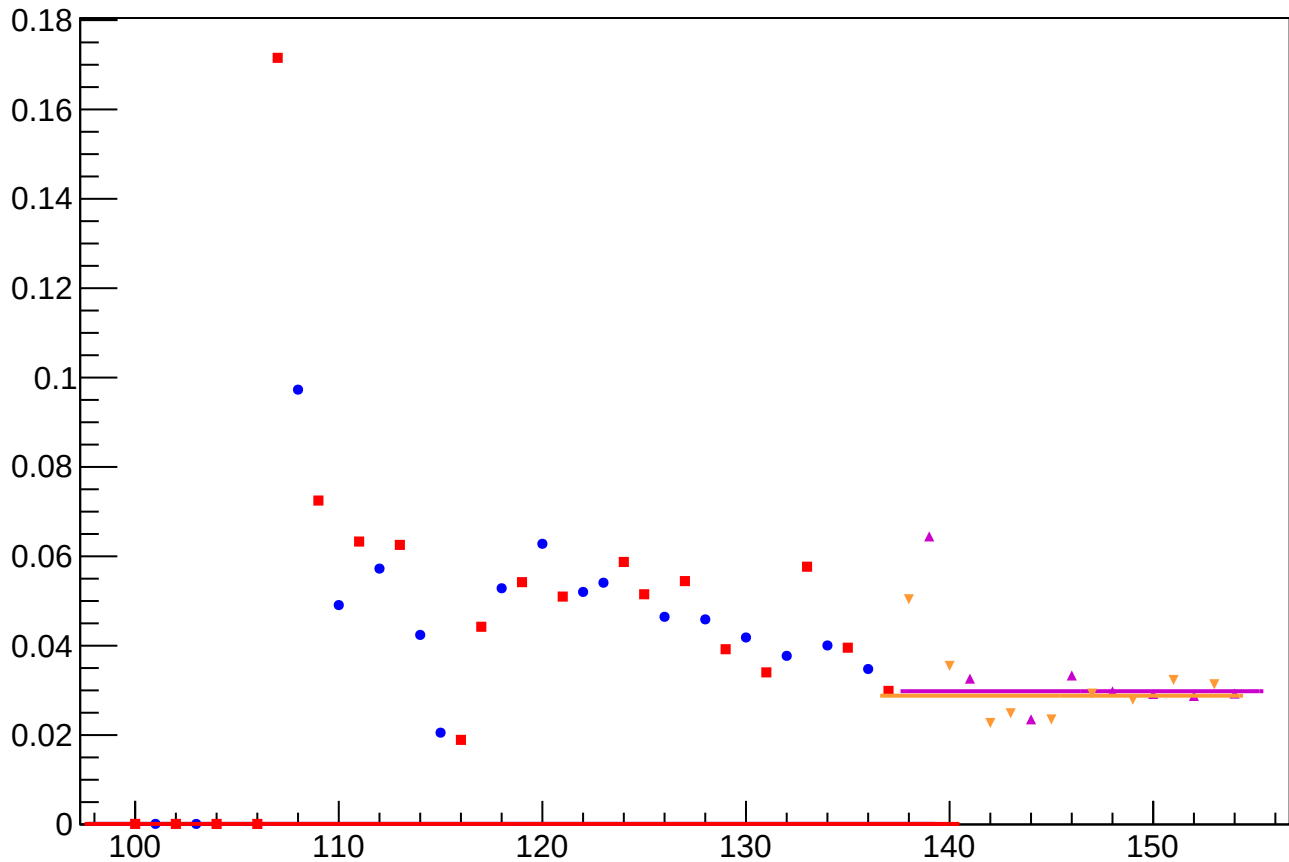
Left Out: -0.743 $\pm$ 0.000 χ^2 /NDF: 67147104.6/8

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755949520765363.8/19

5.827 $\pm$ 0.000 χ^2 /NDF: 756191861770867.9/27

Left In: -0.713 $\pm$ 0.000 χ^2 /NDF: 53534147.7/7

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.029+/-0.000 χ^2/NDF : 409326.0/8

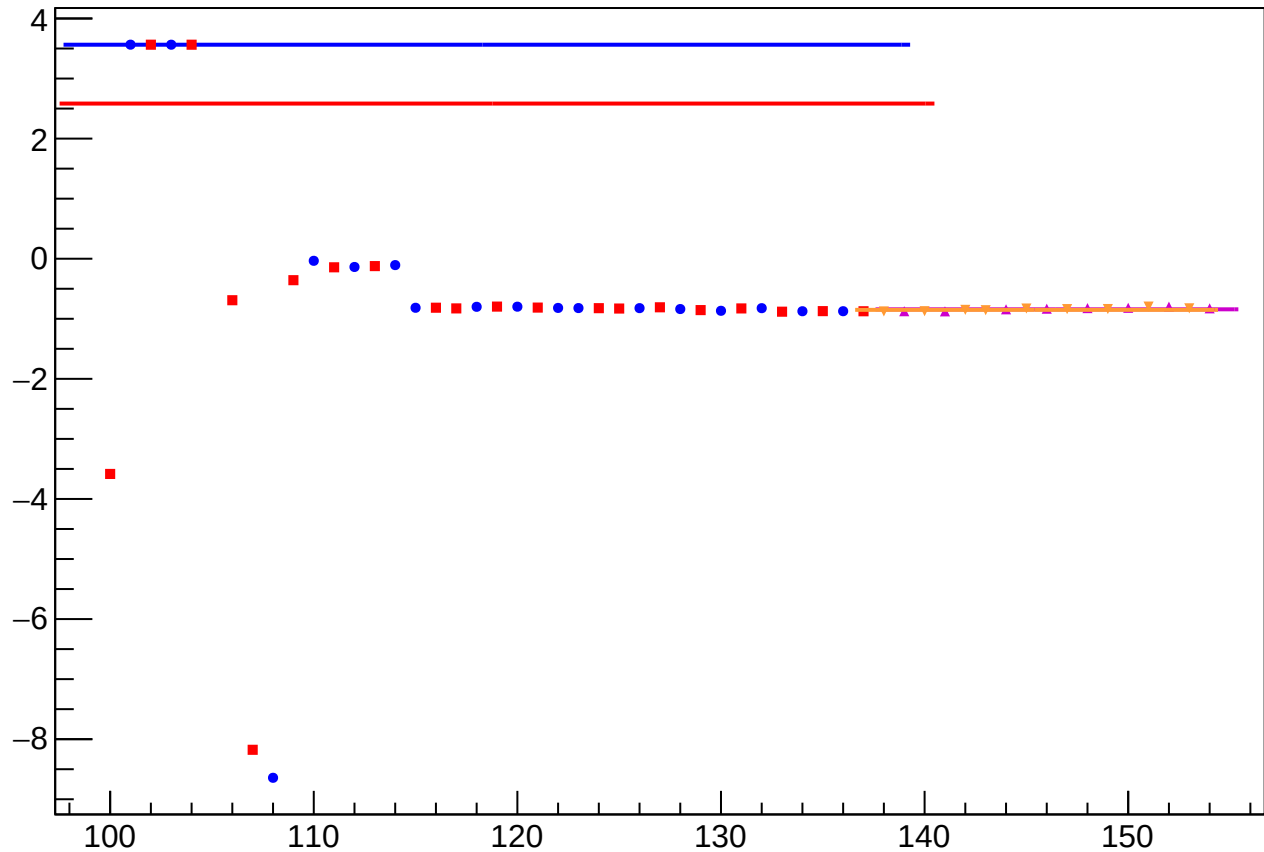
Right Out: 0.000+/-0.000 χ^2/NDF : 9453181.1/19

Left In: 0.030+/-0.000 χ^2/NDF : 494336.9/7

0.000+/-0.000 χ^2/NDF : 19263592.0/25

0.000+/-0.000 χ^2/NDF : 19935294.2/27

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.851+/-0.000 χ^2/NDF : 32847359.3/8

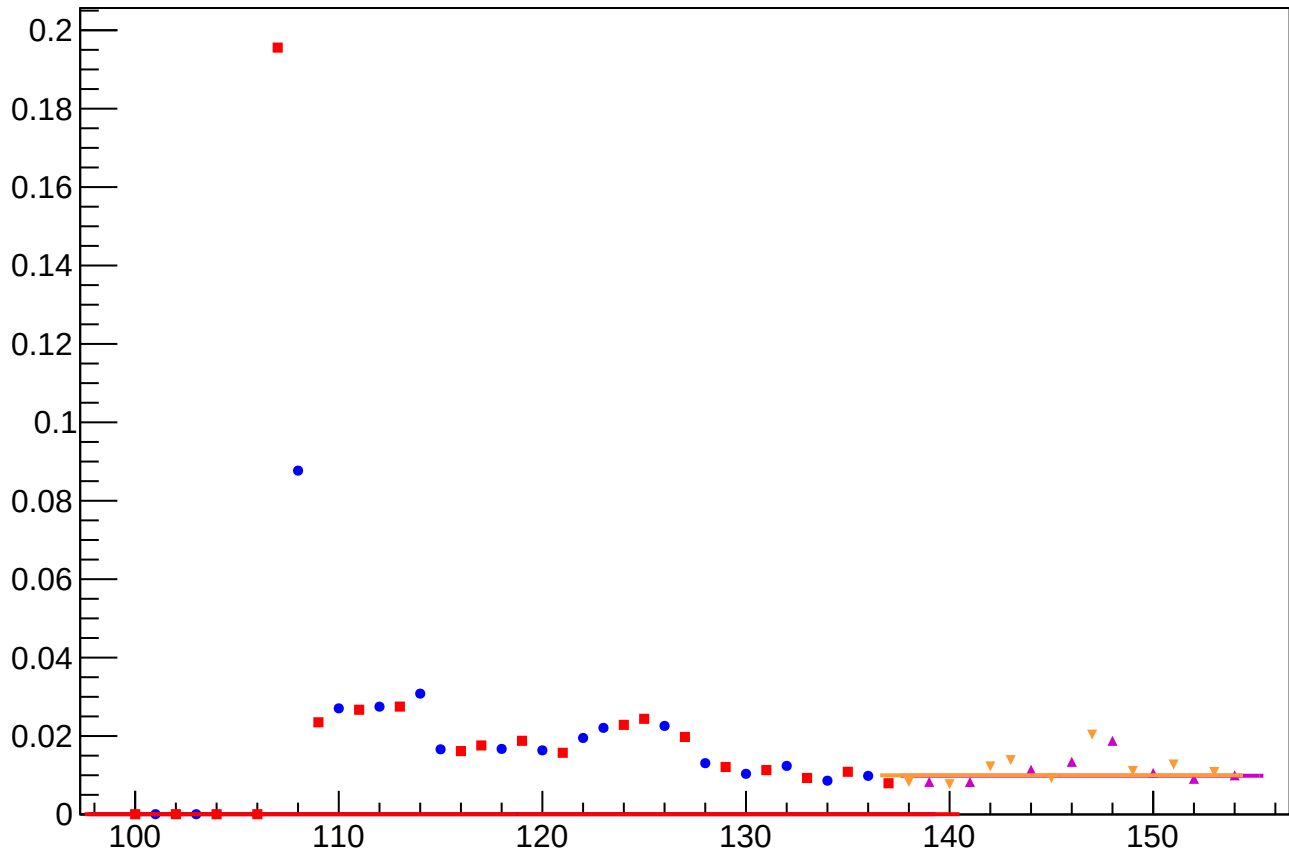
Right Out: 2.583+/-0.000 χ^2/NDF : 1253506756008351.0/19

Left In: -0.842+/-0.000 χ^2/NDF : 46522205.8/7

3.562+/-0.000 χ^2/NDF : 1447702880376.8/25

2.583+/-0.000 χ^2/NDF : 1254110527008677.0/2

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 : 715622.7/8

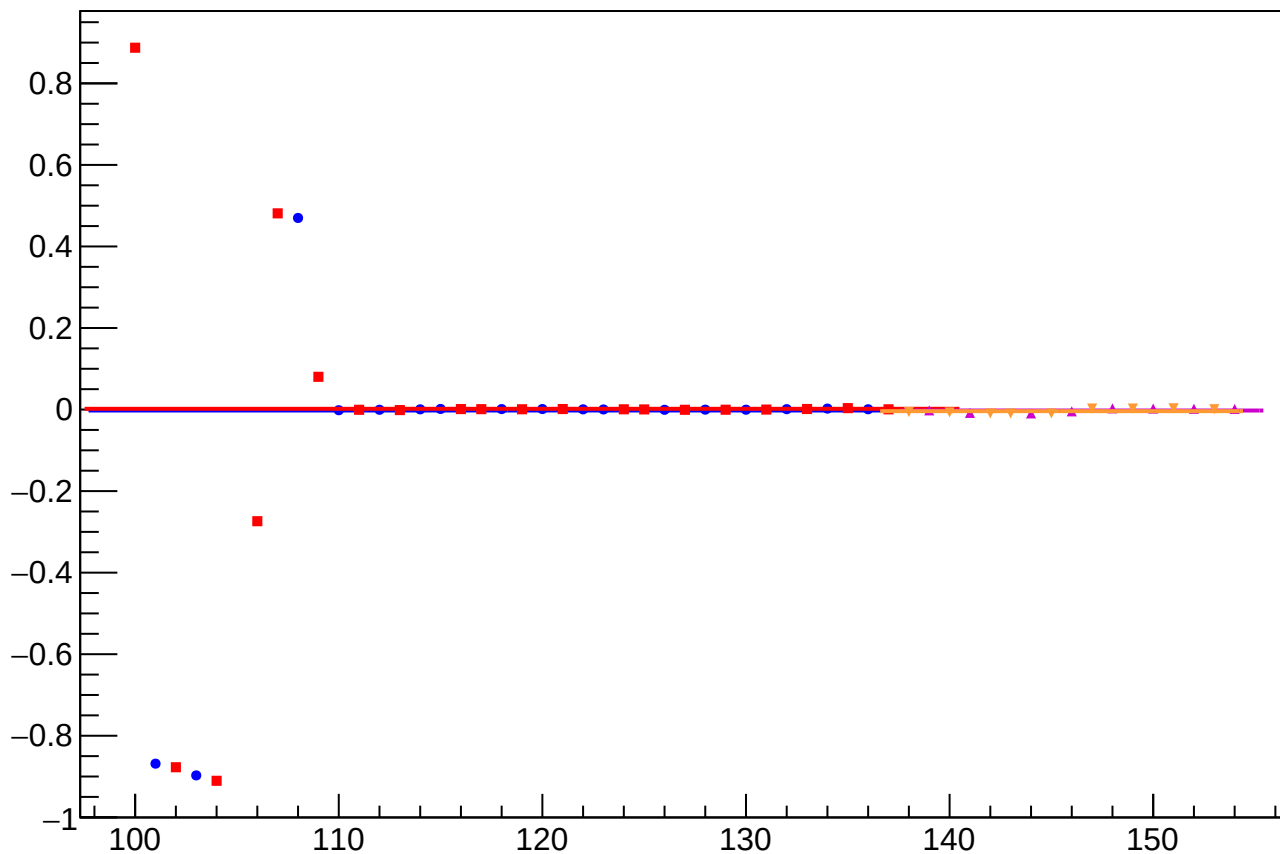
Right Out: 0.000+/-0.000 χ^2/NDF : 9955781.5/19

Left In: 0.010+/-0.000 χ^2/NDF : 532147.0/7

0.000+/-0.000 χ^2/NDF : 20251768.7/25

0.000+/-0.000 χ^2/NDF : 20383329.7/27

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9795424036.3/16

Left Out: -0.004+/-0.000 χ^2/NDF : 66950289.1/8

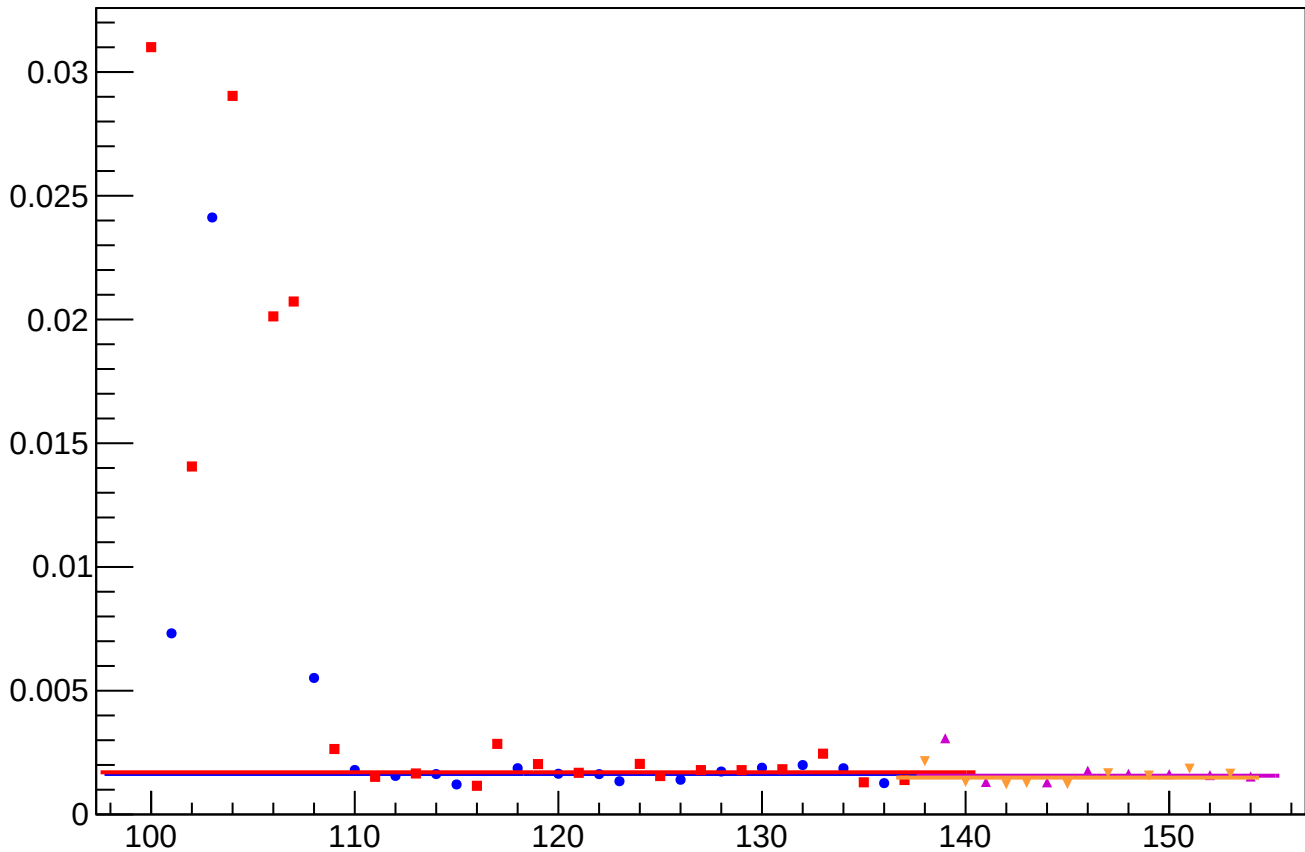
Right Out: 0.002+/-0.000 χ^2/NDF : 3041335141.0/19

Left In: -0.002+/-0.000 χ^2/NDF : 53215735.7/7

-0.003+/-0.000 χ^2/NDF : 9864959588.0/25

-0.001+/-0.000 χ^2/NDF : 3110462462.3/27

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 :318550.6/8

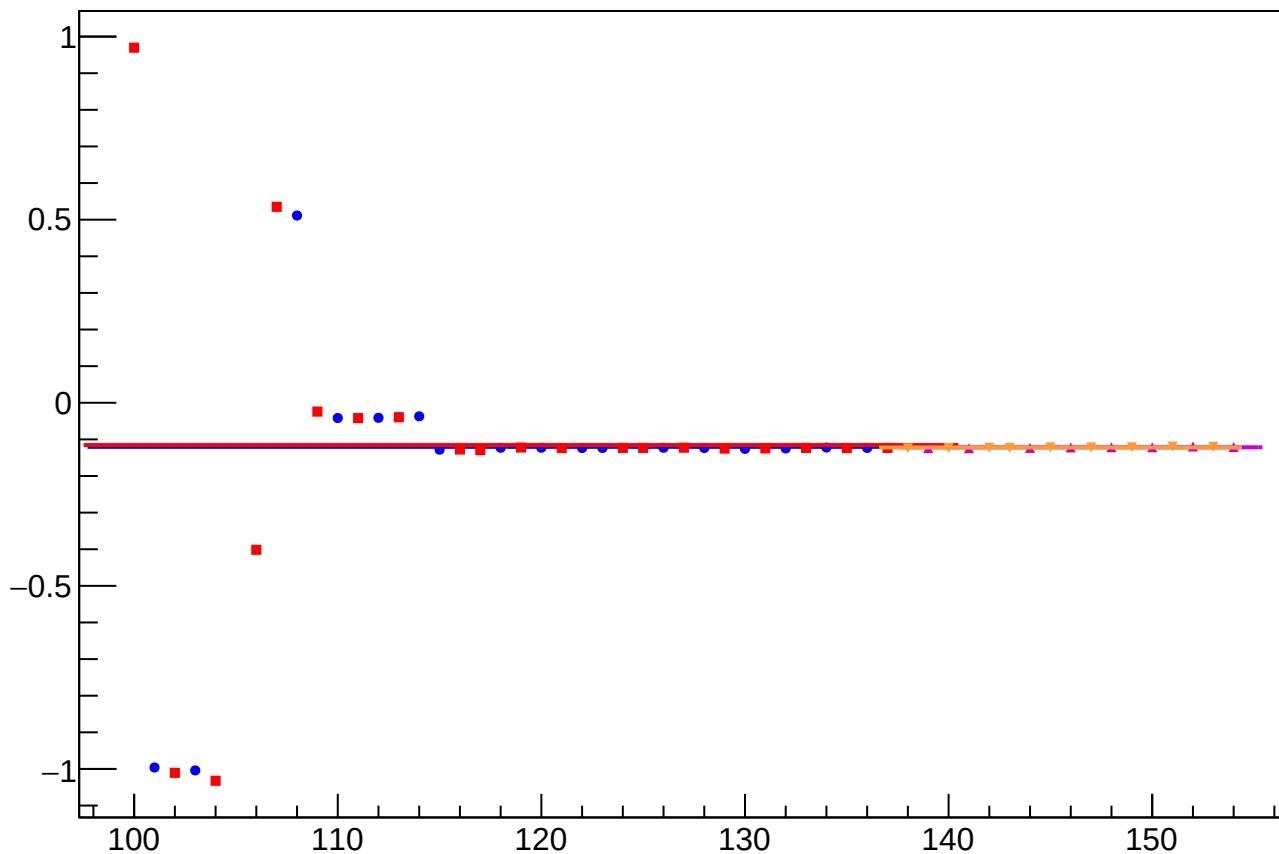
Right Out: 0.002+/-0.000 χ^2/NDF : 3038397.4/19

Left In: 0.002+/-0.000 χ^2/NDF :445231.1/7

0.002+/-0.000 χ^2/NDF : 2279248.5/25

0.002+/-0.000 χ^2/NDF : 3517233.8/27

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.122+/-0.000 χ^2/NDF : 8391534.4/8

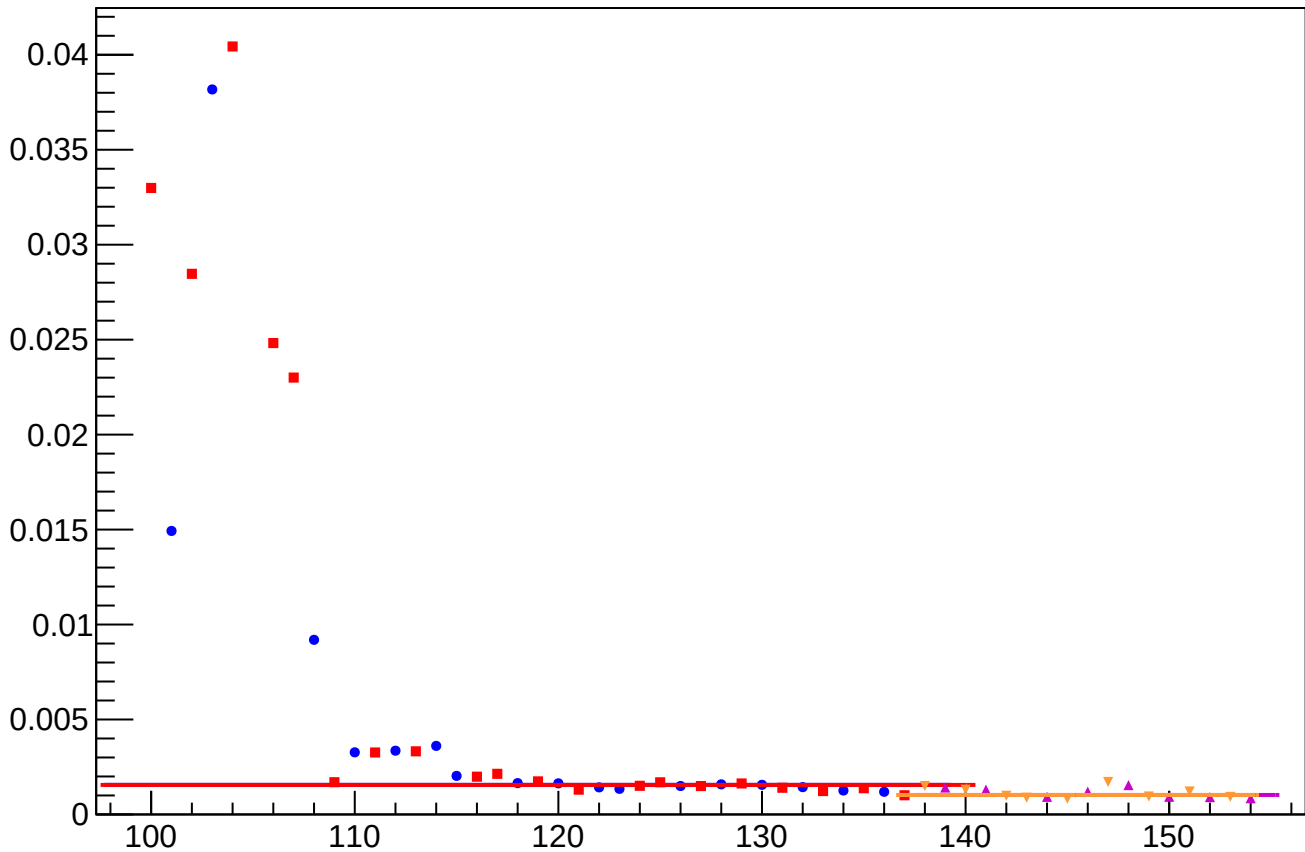
-0.122+/-0.000 χ^2/NDF : 3944829358.1/25

Right Out: -0.115+/-0.000 χ^2/NDF : 2458720596.9/19

-0.120+/-0.000 χ^2/NDF : 2525002666.5/27

Left In: -0.122+/-0.000 χ^2/NDF : 12142458.2/7

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 :611352.6/8

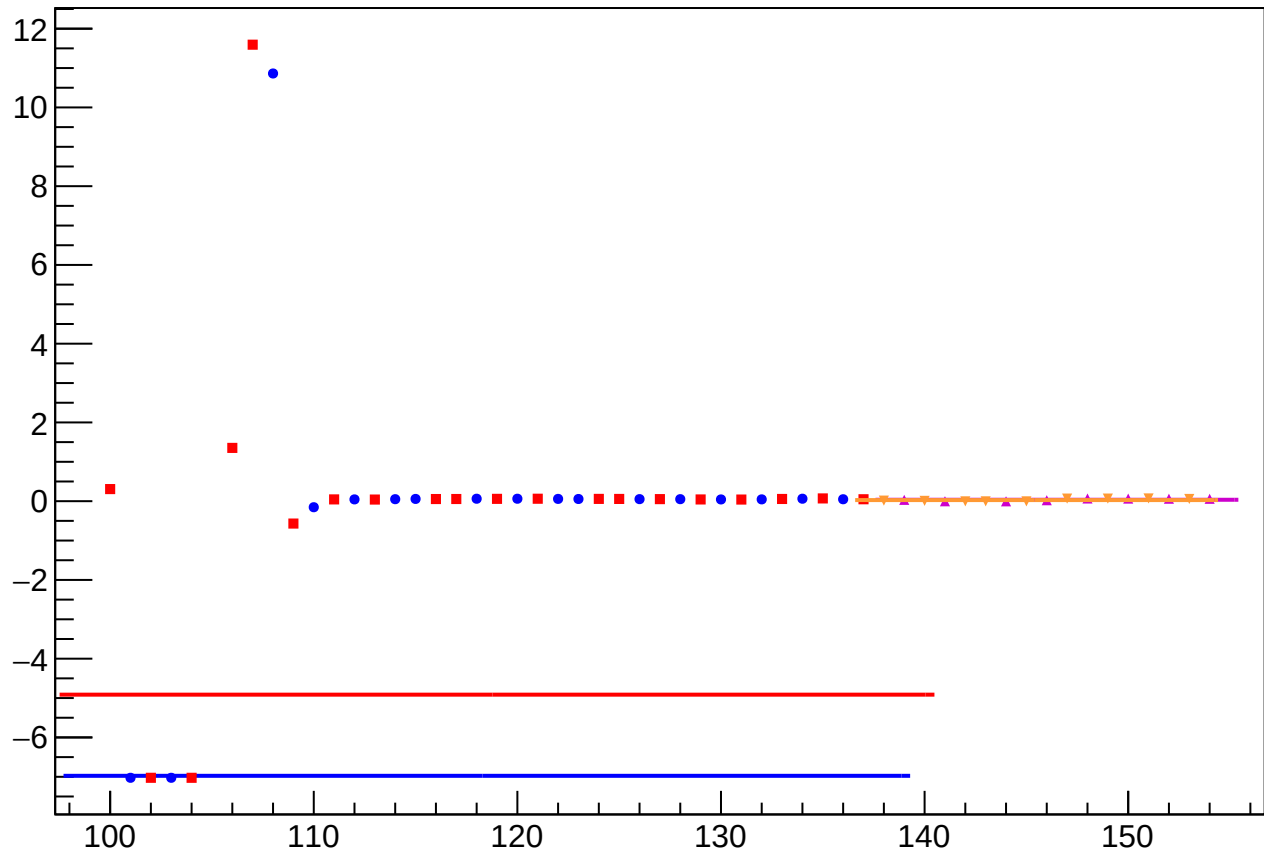
0.001+/-0.000 χ^2/NDF : 4314605.5/25

Right Out: 0.002+/-0.000 χ^2/NDF : 3544377.2/19

0.001+/-0.000 χ^2/NDF : 4827615.2/27

Left In: 0.001+/-0.000 χ^2/NDF :488575.0/7

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.028+/-0.000 χ^2/NDF : 66960528.1/8

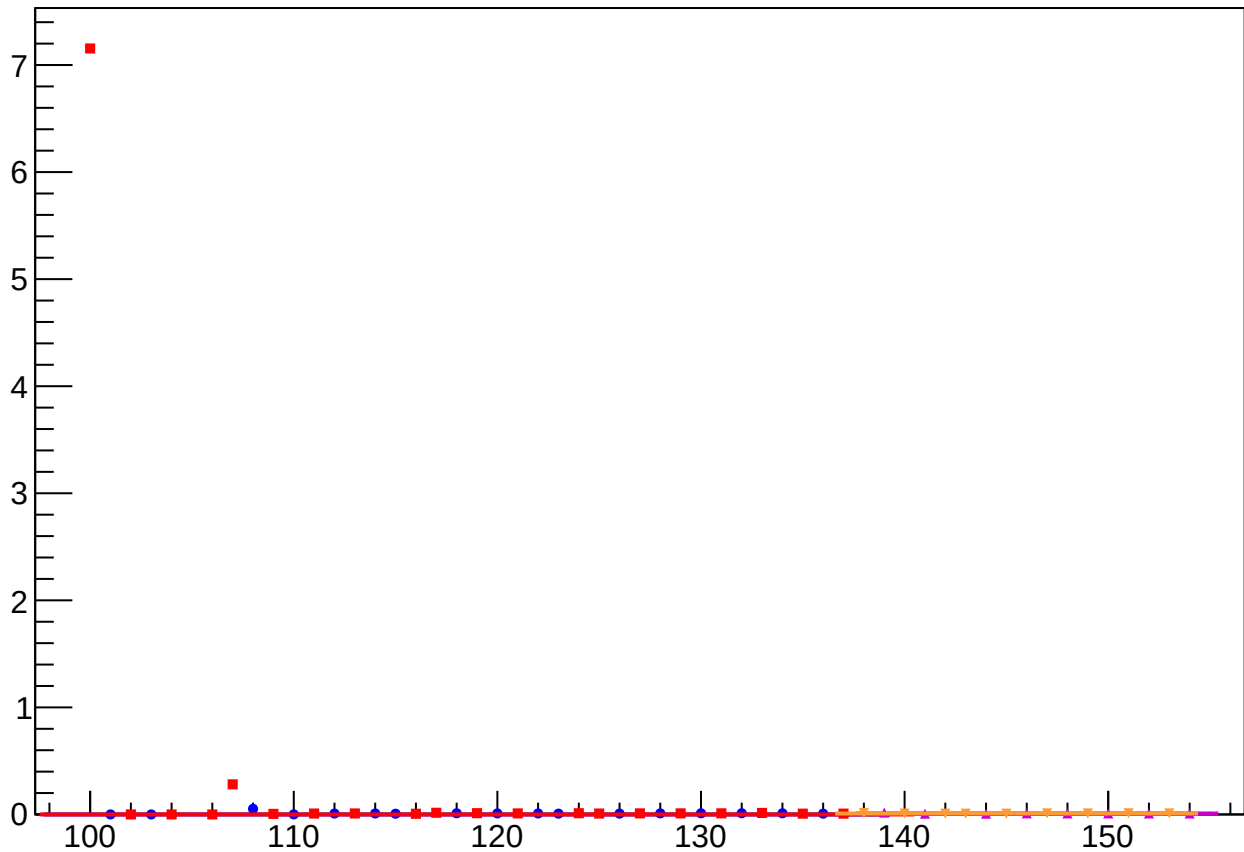
Right Out: -4.914+/-0.000 χ^2/NDF : 365366243956054.8/19

Left In: 0.036+/-0.000 χ^2/NDF : 57650151.0/7

-6.957+/-0.000 χ^2/NDF : 11928661591763.6/25

-4.903+/-0.000 χ^2/NDF : 366837357162114.4/2

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8362763.6/16

Left Out: 0.009+/-0.000 χ^2/NDF :322998.4/8

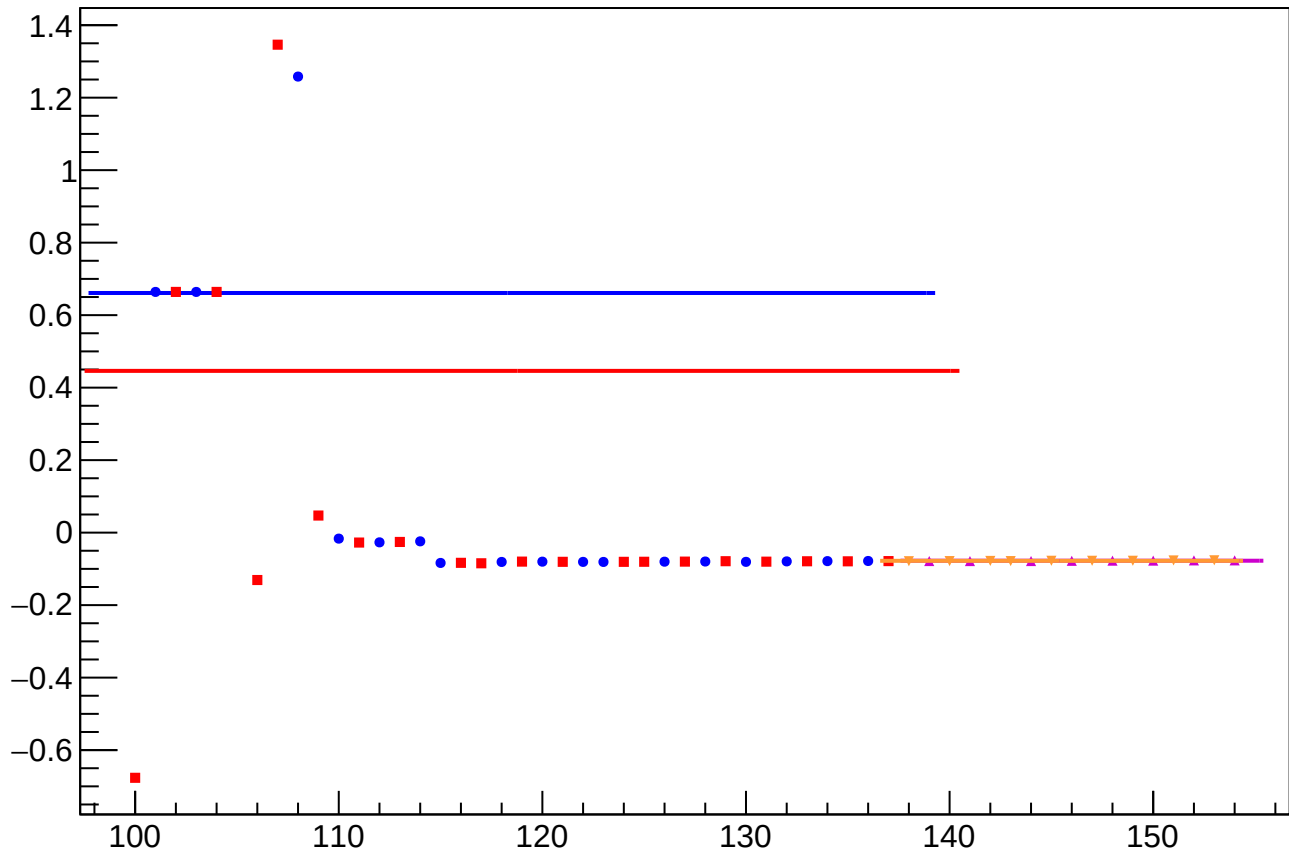
Right Out: 0.000+/-0.000 χ^2/NDF : 8880914.4/19

Left In: 0.009+/-0.000 χ^2/NDF :446393.3/7

0.000+/-0.000 χ^2/NDF : 18164046.1/25

0.000+/-0.000 χ^2/NDF : 19027137.8/27

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: 12173205.5/8

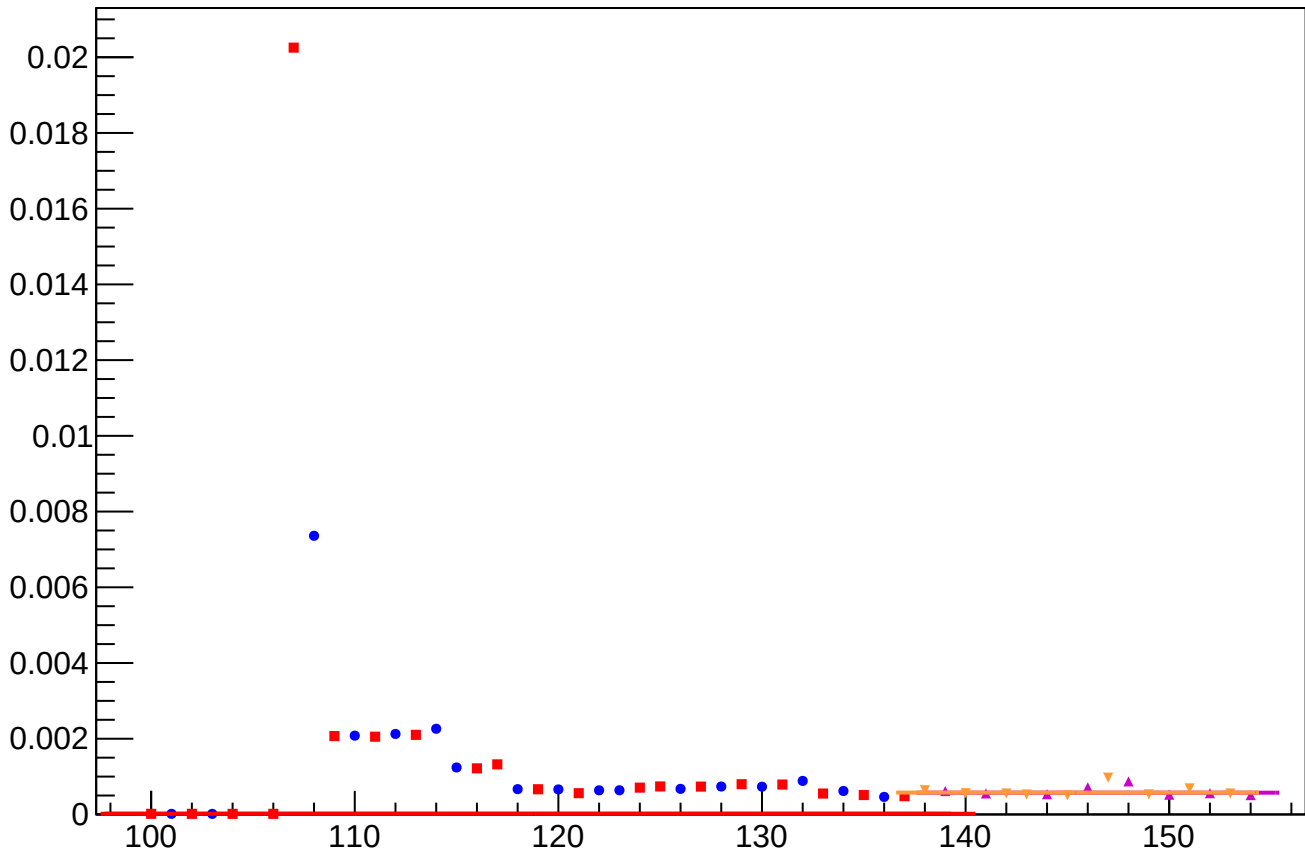
Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405434749783850.4/19

Left In: -0.078 $\pm$ 0.000 χ^2 /NDF: 11542820.6/7

0.656 $\pm$ 0.000 χ^2 /NDF: 15540697693151.2/25

0.443 $\pm$ 0.000 χ^2 /NDF: 410499310010191.2/27

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 : 356551.9/8

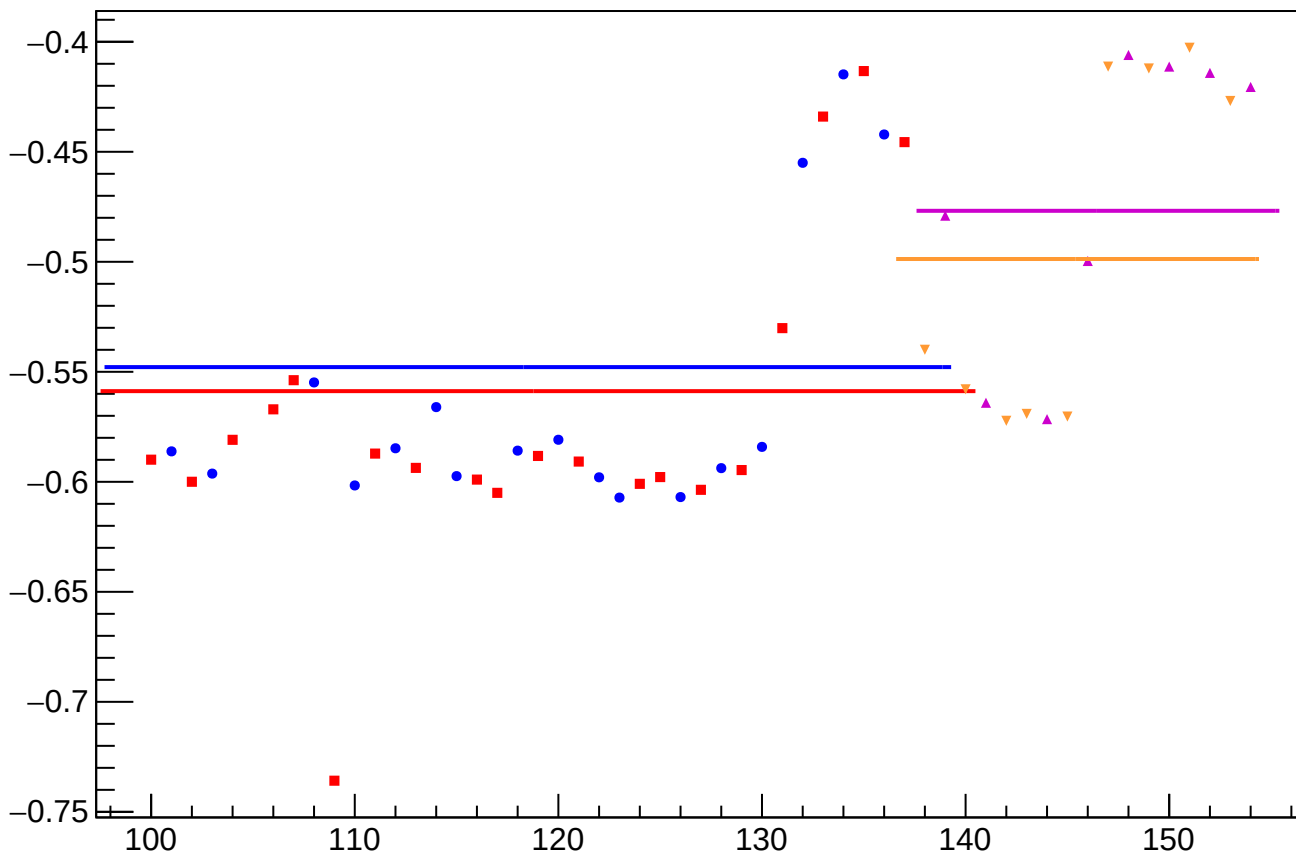
Right Out: 0.000+/-0.000 χ^2/NDF : 9575039.3/19

Left In: 0.001+/-0.000 χ^2/NDF : 300281.8/7

0.000+/-0.000 χ^2/NDF : 21666368.1/25

0.000+/-0.000 χ^2/NDF : 21321228.4/27

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.499+/-0.000 χ^2/NDF : 73716101.8/8

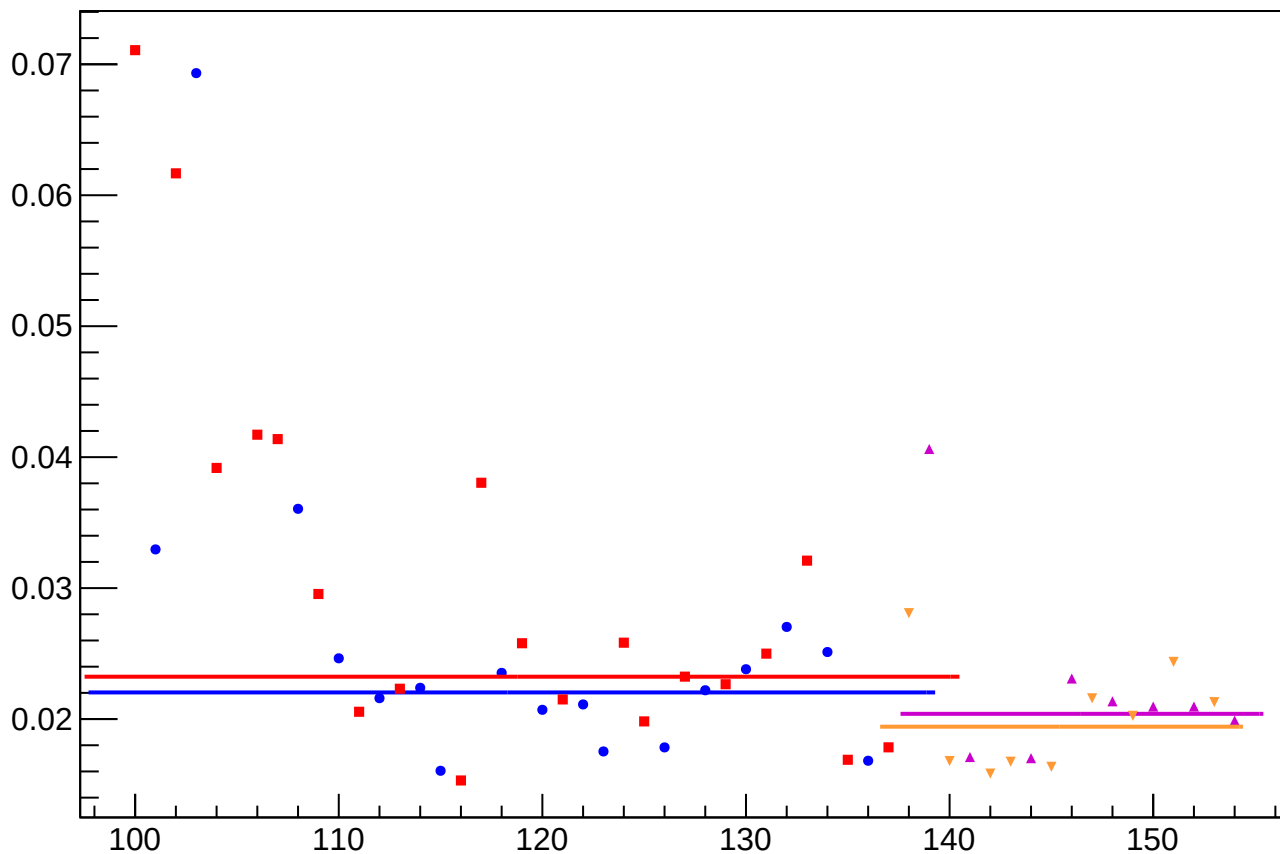
Right Out: -0.559+/-0.000 χ^2/NDF : 65741796.4/19

Left In: -0.477+/-0.000 χ^2/NDF : 60825949.6/7

-0.521+/-0.000 χ^2/NDF : 136360422.4/25

-0.514+/-0.000 χ^2/NDF : 163271094.5/27

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 : 311279.3/8

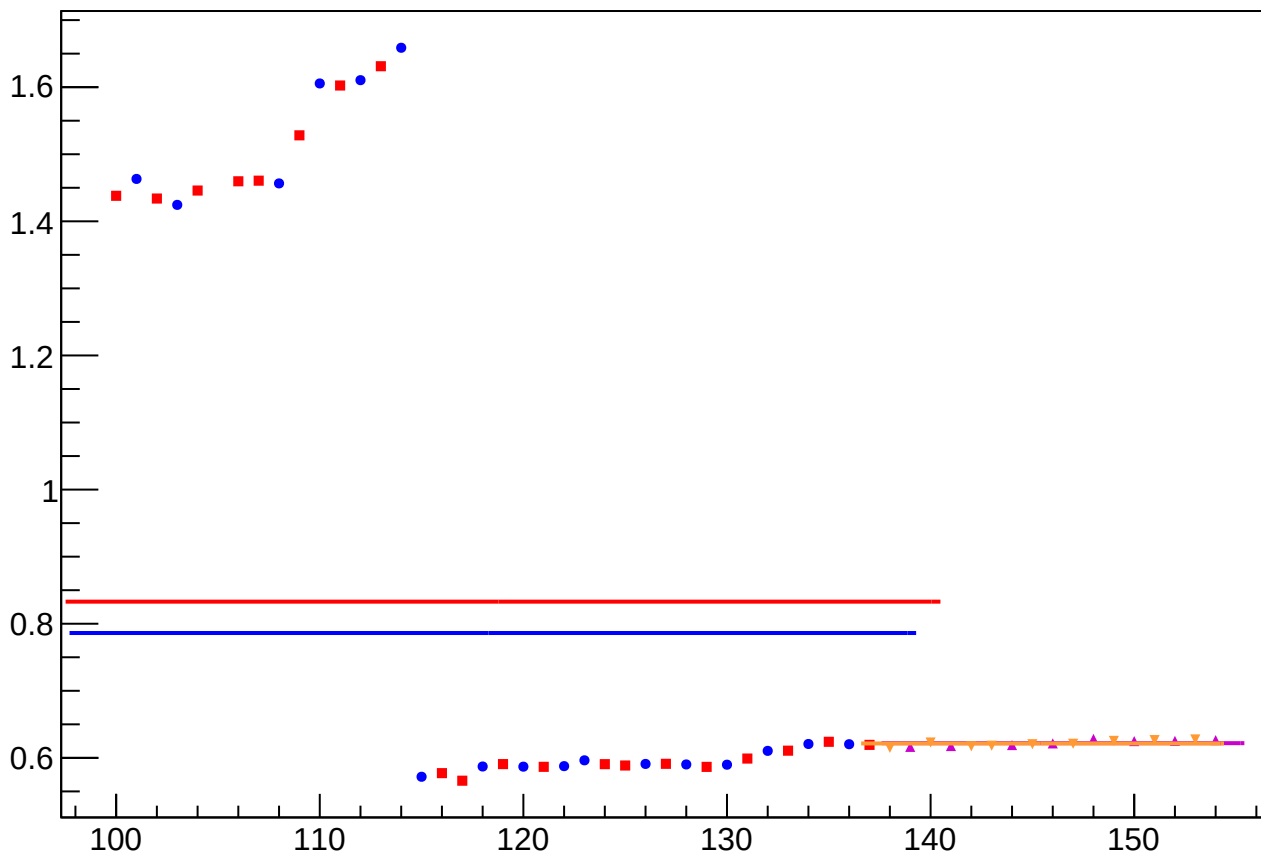
Right Out: 0.023+/-0.000 χ^2/NDF : 1169205.3/19

Left In: 0.020+/-0.000 χ^2/NDF : 450803.7/7

0.021+/-0.000 χ^2/NDF : 1349996.2/25

0.022+/-0.000 χ^2/NDF : 1707840.0/27

yield_bpm4aY_mean vs Slug



Right In: 0.786 $\pm$ 0.000 χ^2 /NDF: 3590113316.1/16

Left Out: 0.622 $\pm$ 0.000 χ^2 /NDF:653674.6/8

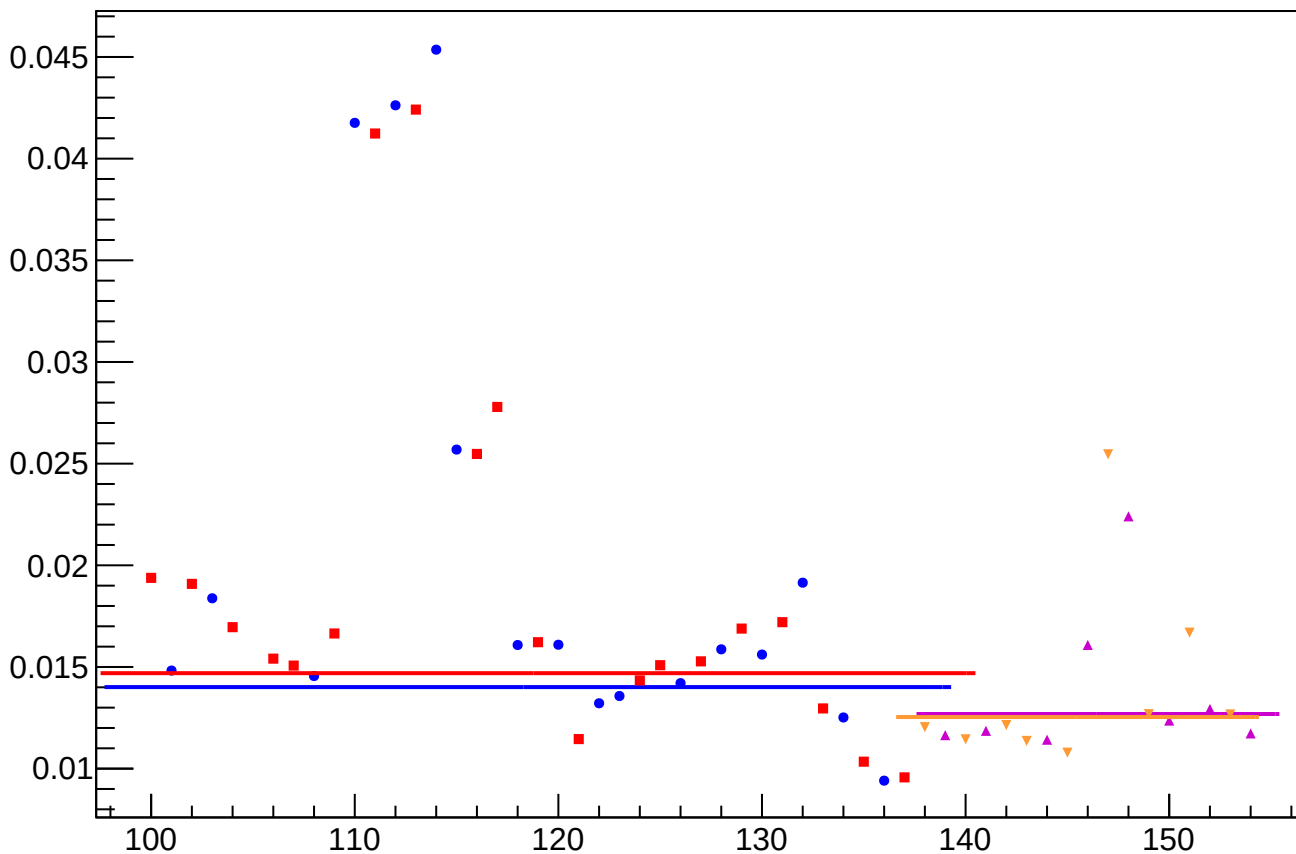
Right Out: 0.833 $\pm$ 0.000 χ^2 /NDF: 4160348649.7/19

Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:601393.3/7

0.692 $\pm$ 0.000 χ^2 /NDF: 4037601147.8/25

0.712 $\pm$ 0.000 χ^2 /NDF: 4877626510.3/27

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1404865.3/16

Left Out: 0.013+/-0.000 χ^2/NDF :541438.7/8

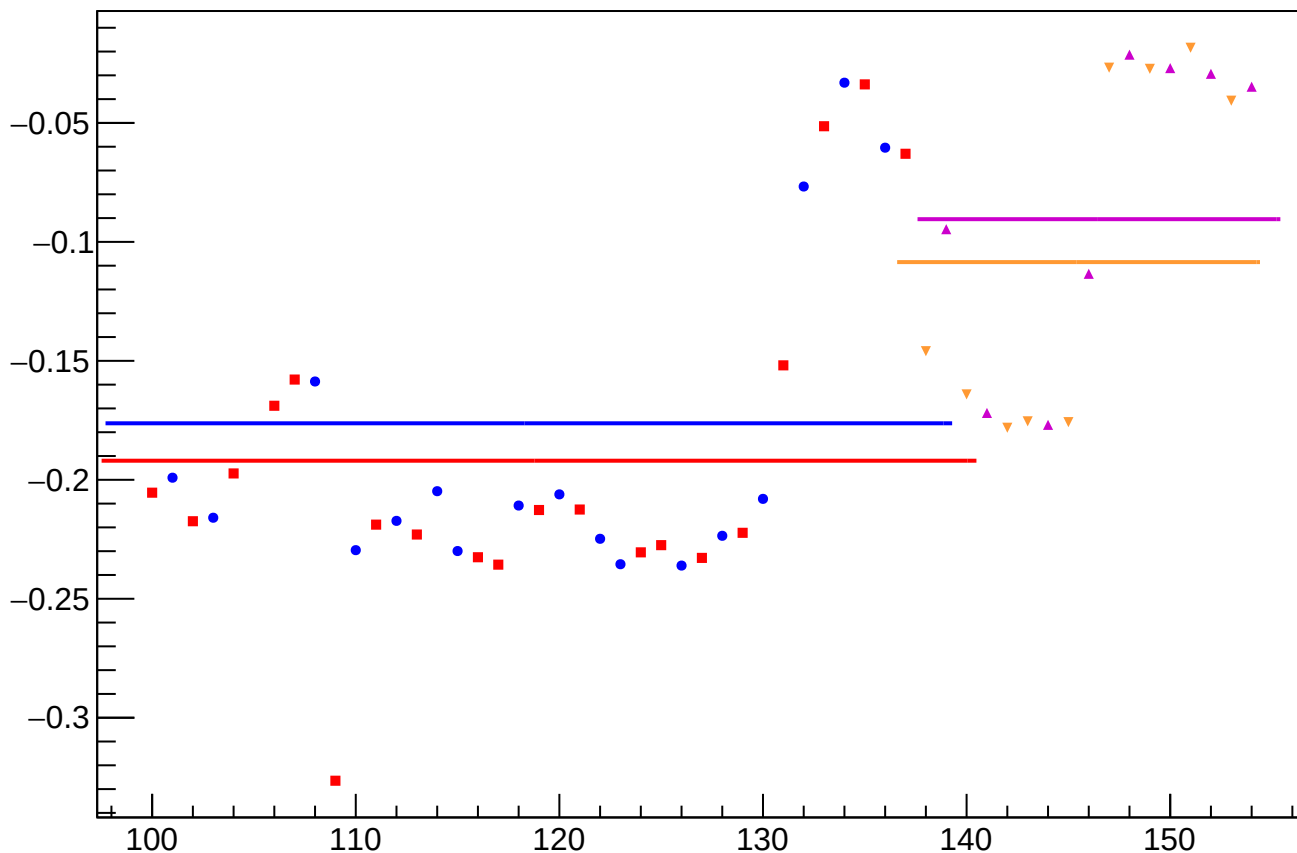
0.013+/-0.000 χ^2/NDF : 2017796.7/25

Right Out: 0.015+/-0.000 χ^2/NDF : 1280473.4/19

0.014+/-0.000 χ^2/NDF : 1812800.7/27

Left In: 0.013+/-0.000 χ^2/NDF :402445.2/7

yield_bpm4eX_mean vs Slug



Right In: -0.176 $\pm$ 0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.108 $\pm$ 0.000 χ^2/NDF : 71727038.9/8

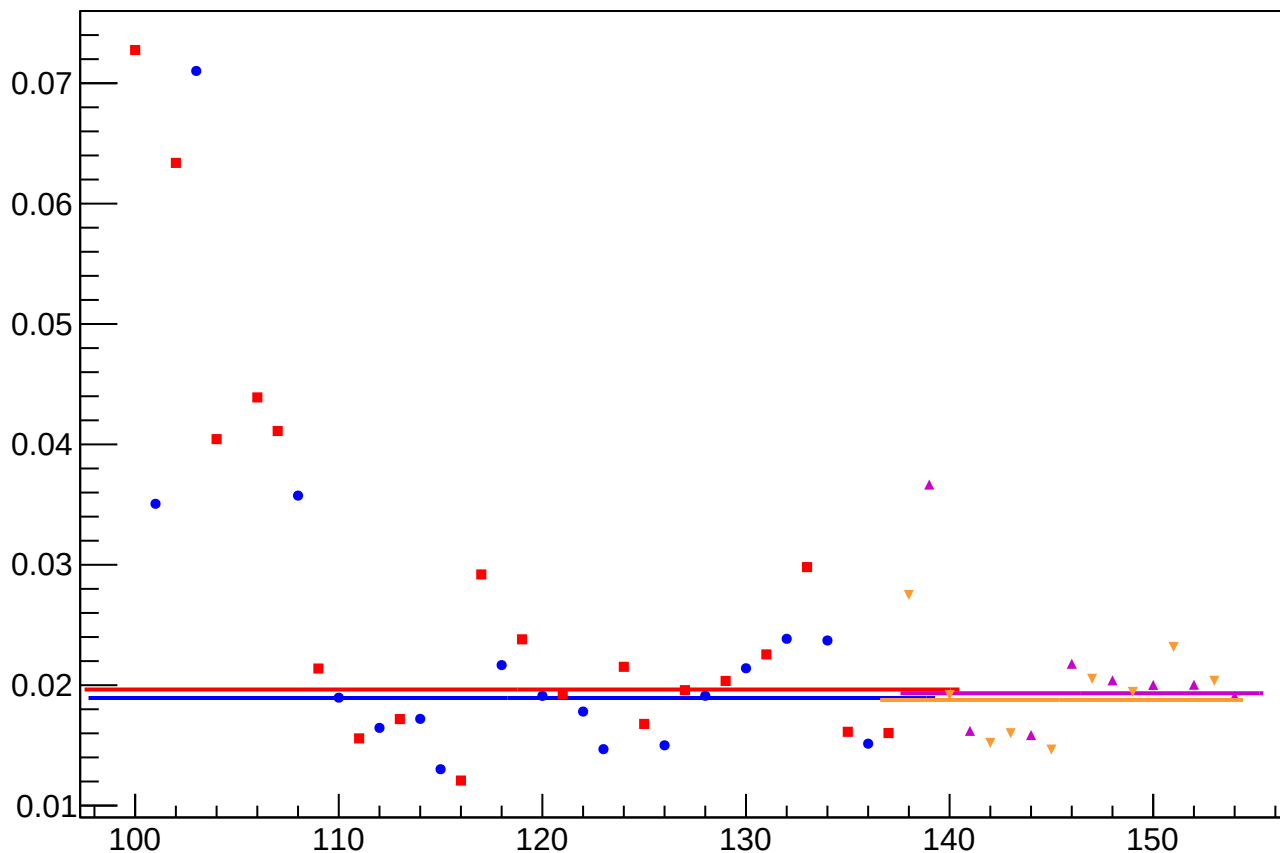
Right Out: -0.192 $\pm$ 0.000 χ^2/NDF : 83899255.4/19

Left In: -0.090 $\pm$ 0.000 χ^2/NDF : 61443941.0/7

-0.142 $\pm$ 0.000 χ^2/NDF : 174226391.4/25

-0.141 $\pm$ 0.000 χ^2/NDF : 215338102.7/27

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.019+/-0.000 χ^2/NDF :338840.8/8

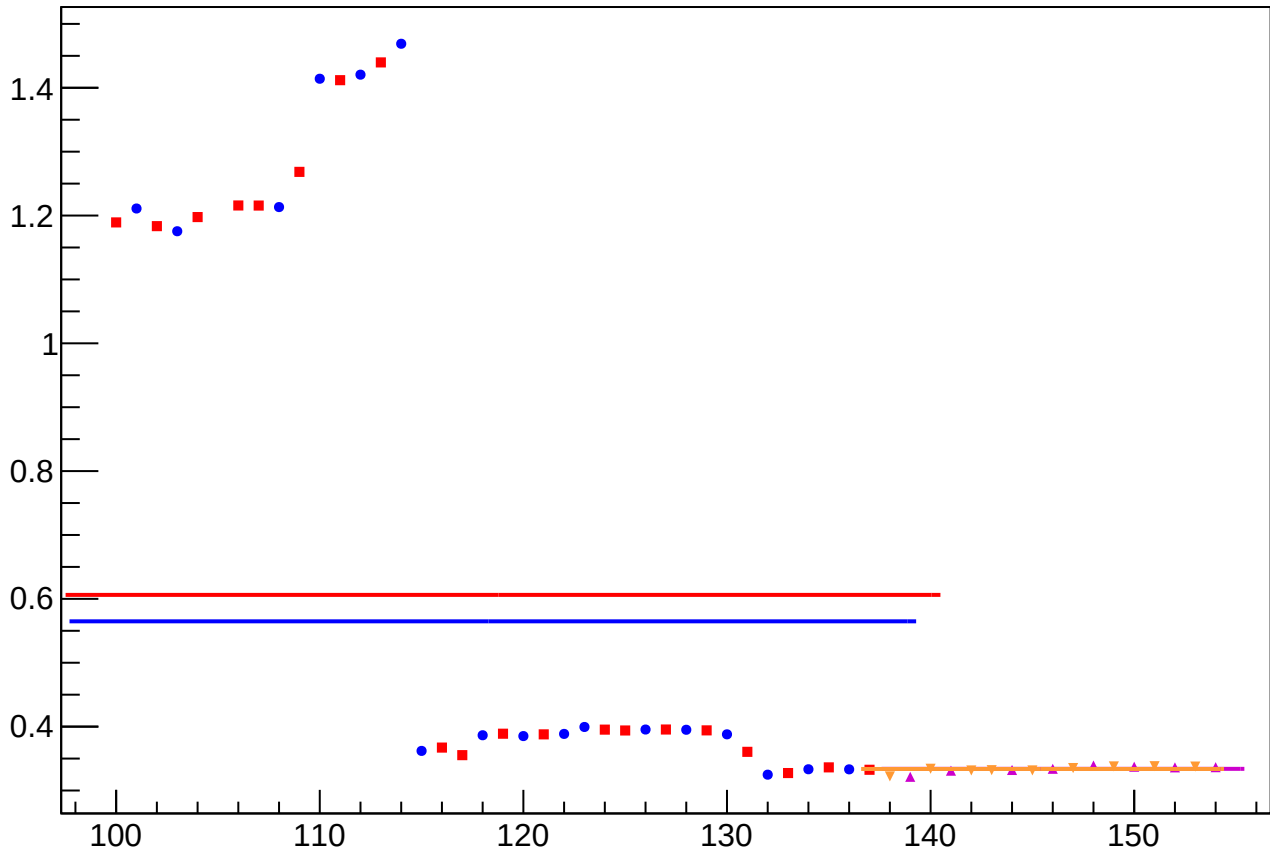
Right Out: 0.020+/-0.000 χ^2/NDF : 1466285.9/19

Left In: 0.019+/-0.000 χ^2/NDF :429846.1/7

0.019+/-0.000 χ^2/NDF : 1545066.3/25

0.019+/-0.000 χ^2/NDF : 1897451.9/27

yield_bpm4eY_mean vs Slug



Right In: 0.565 $\pm$ 0.000 χ^2 /NDF: 5030969499.3/16

Left Out: 0.334 $\pm$ 0.000 χ^2 /NDF:904530.6/8

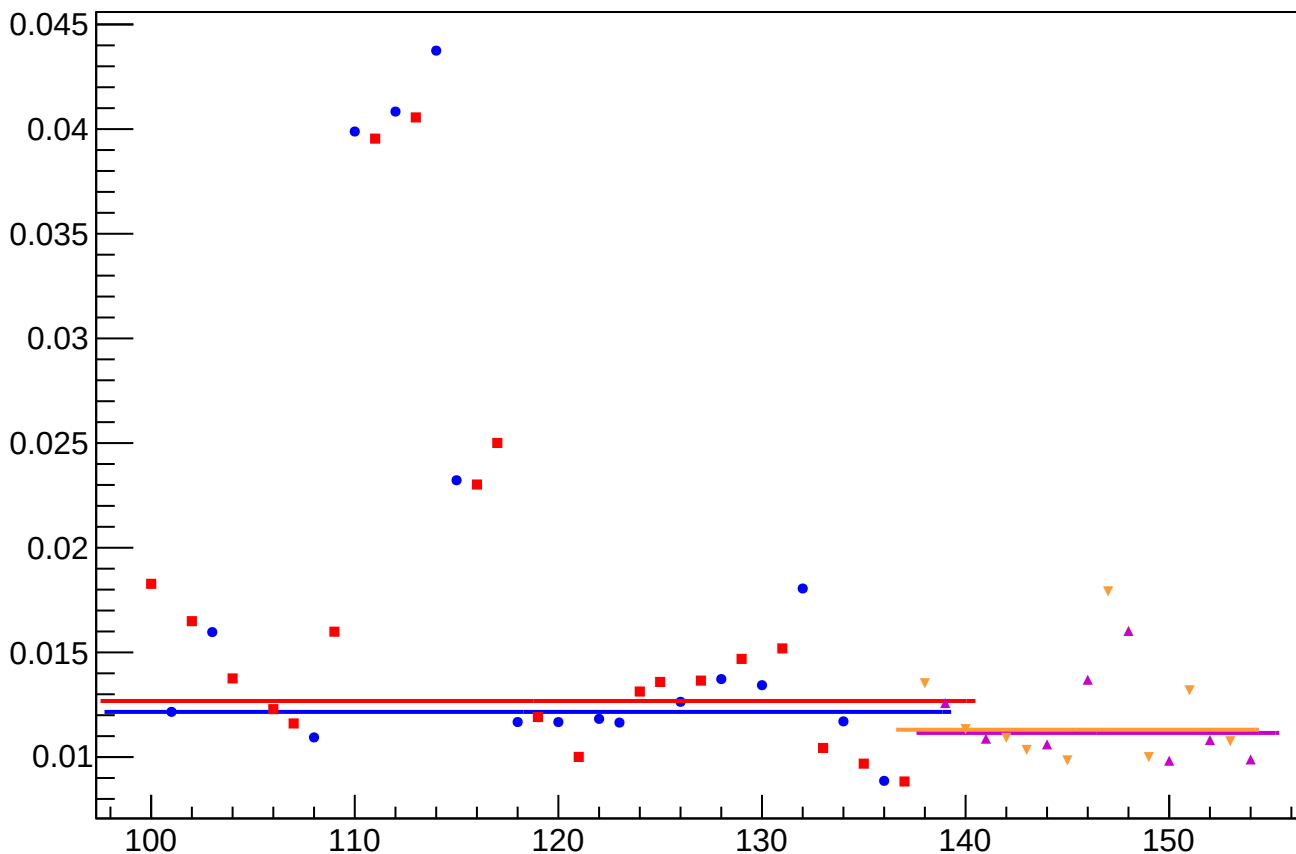
0.437 $\pm$ 0.000 χ^2 /NDF: 6167326538.9/25

Right Out: 0.606 $\pm$ 0.000 χ^2 /NDF: 5517630064.2/19

0.450 $\pm$ 0.000 χ^2 /NDF: 7084301945.3/27

Left In: 0.334 $\pm$ 0.000 χ^2 /NDF:1000238.1/7

yield_bpm4eY_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1309888.8/16

Left Out: 0.011 ± 0.000 χ^2/NDF : 347450.8/8

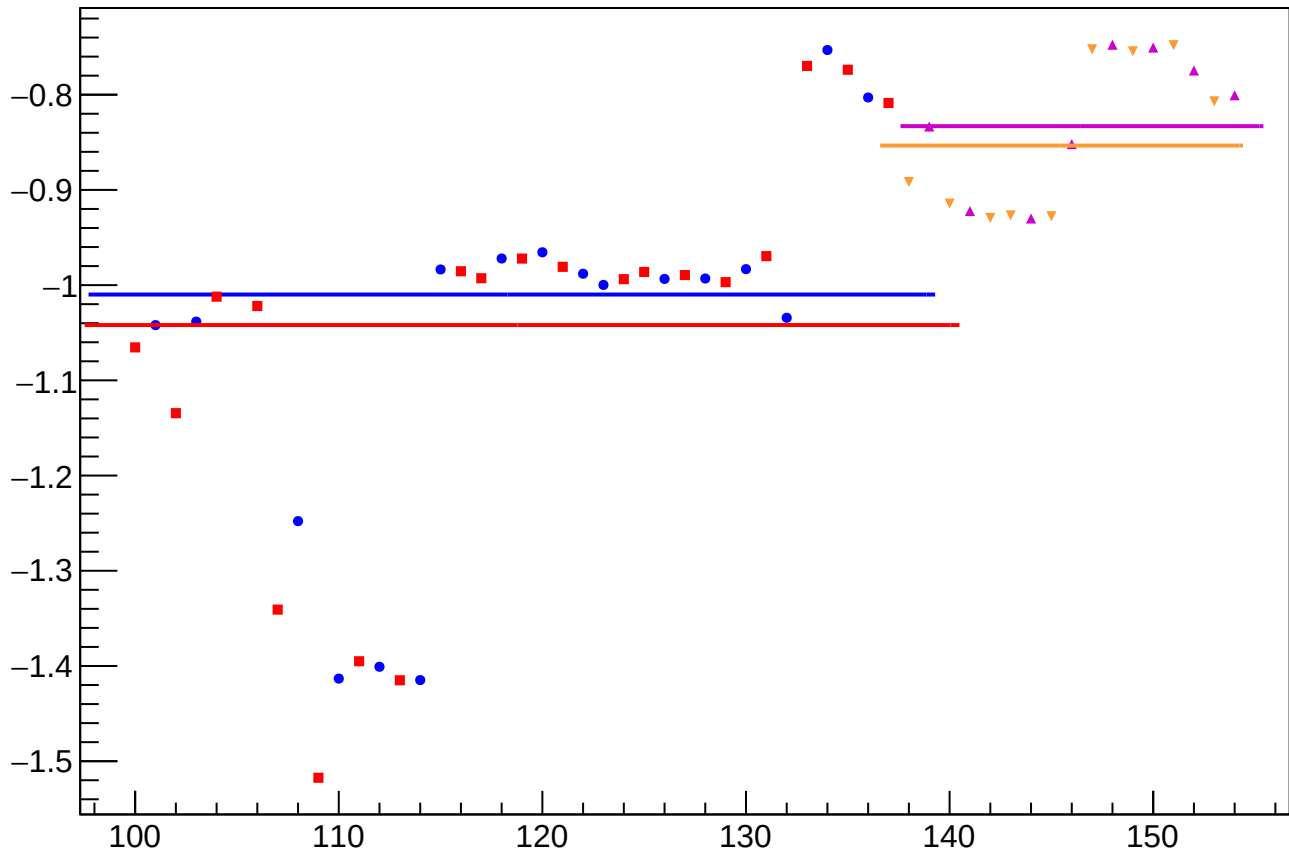
Right Out: 0.013 ± 0.000 χ^2/NDF : 1289415.7/19

Left In: 0.011 ± 0.000 χ^2/NDF : 276145.8/7

0.012 ± 0.000 χ^2/NDF : 1688168.2/25

0.012 ± 0.000 χ^2/NDF : 1663815.3/27

yield_bpm4acX_mean vs Slug



Right In: -1.010 ± 0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.853 ± 0.000 χ^2/NDF : 85002383.7/8

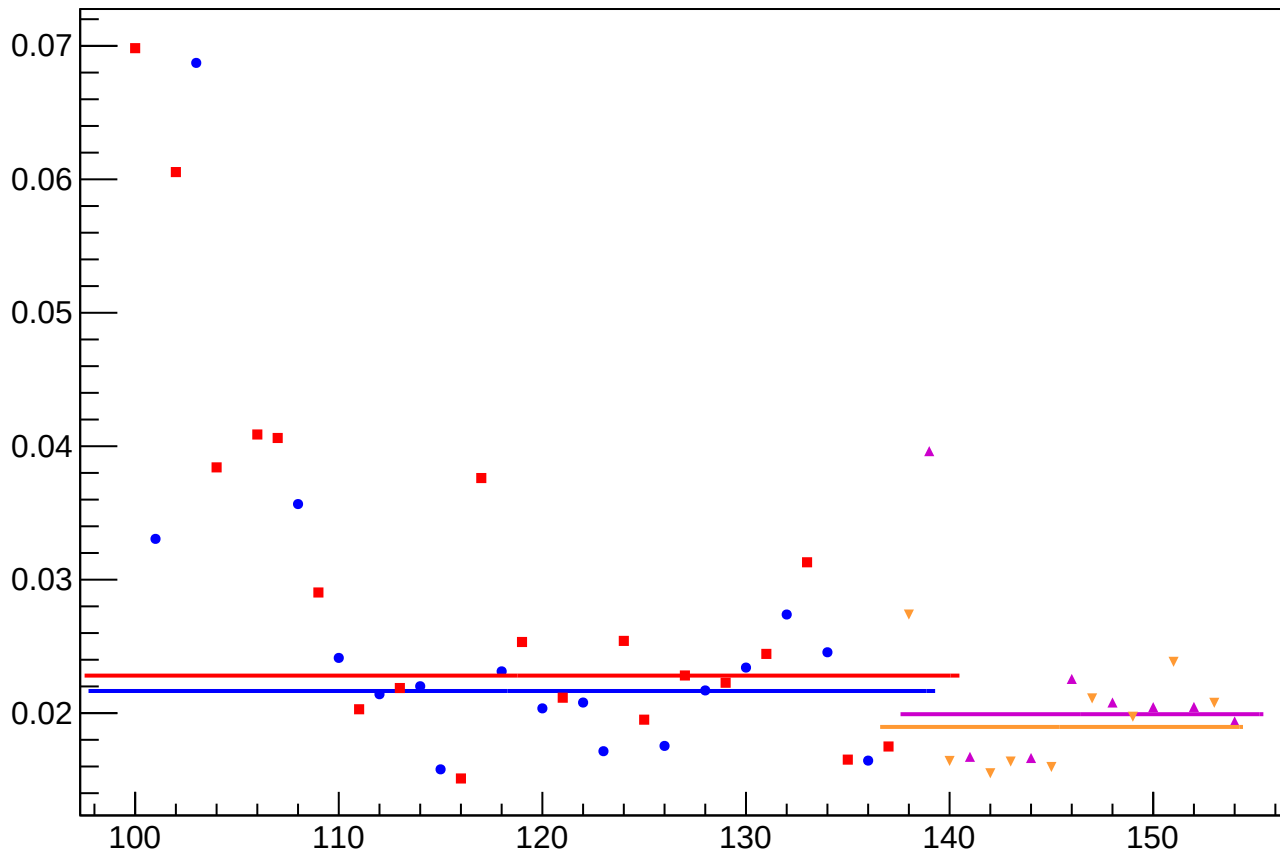
Right Out: -1.042 ± 0.000 χ^2/NDF : 530175104.2/19

Left In: -0.833 ± 0.000 χ^2/NDF : 68416164.5/7

-0.923 ± 0.000 χ^2/NDF : 620980856.6/25

-0.926 ± 0.000 χ^2/NDF : 846941449.3/27

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 983499.8/16

Left Out: 0.019 ± 0.000 χ^2/NDF : 310340.7/8

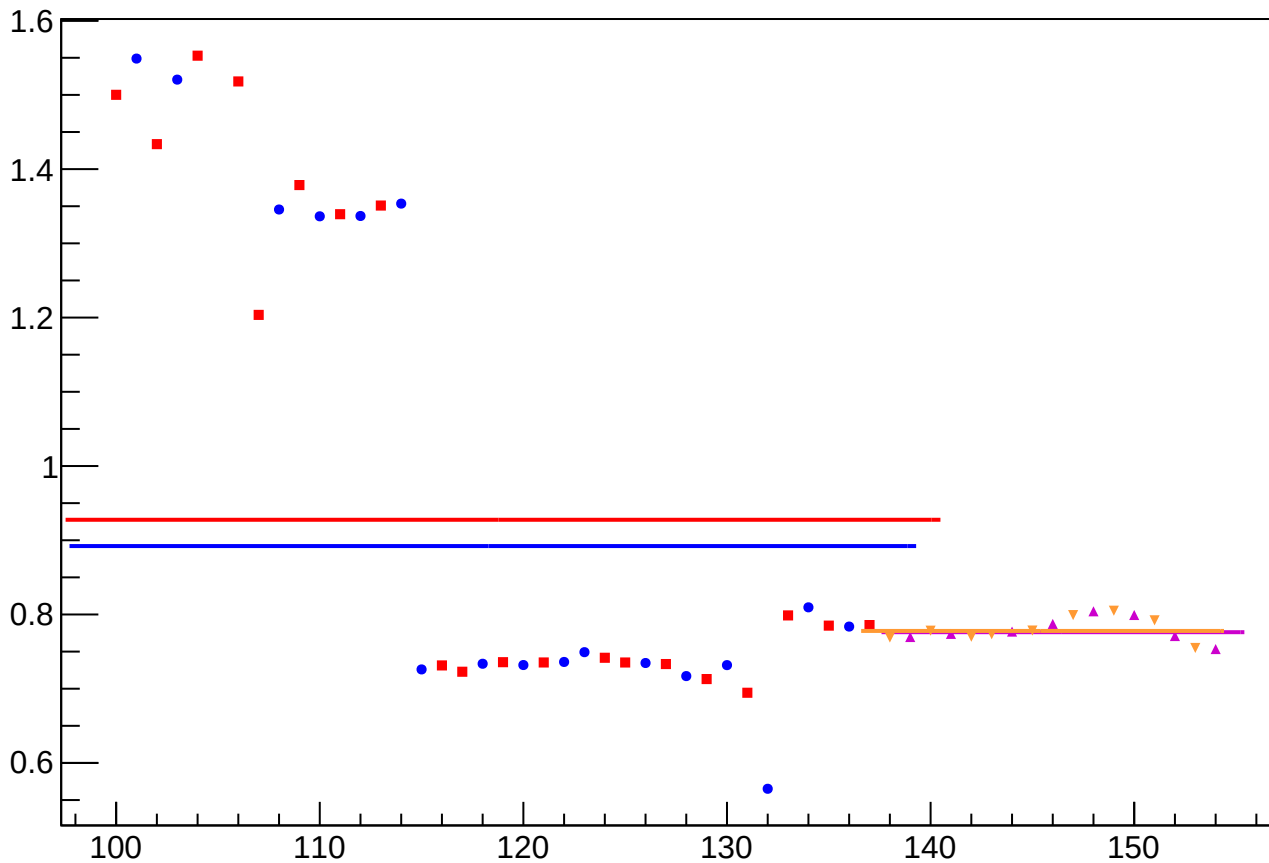
Right Out: 0.023 ± 0.000 χ^2/NDF : 1165116.5/19

Left In: 0.020 ± 0.000 χ^2/NDF : 448456.5/7

0.020 ± 0.000 χ^2/NDF : 1381768.9/25

0.021 ± 0.000 χ^2/NDF : 1708786.5/27

yield_bpm4acY_mean vs Slug



Right In: 0.892+/-0.000 χ^2/NDF : 2413732173.6/16

Left Out: 0.778+/-0.000 χ^2/NDF : 7910498.4/8

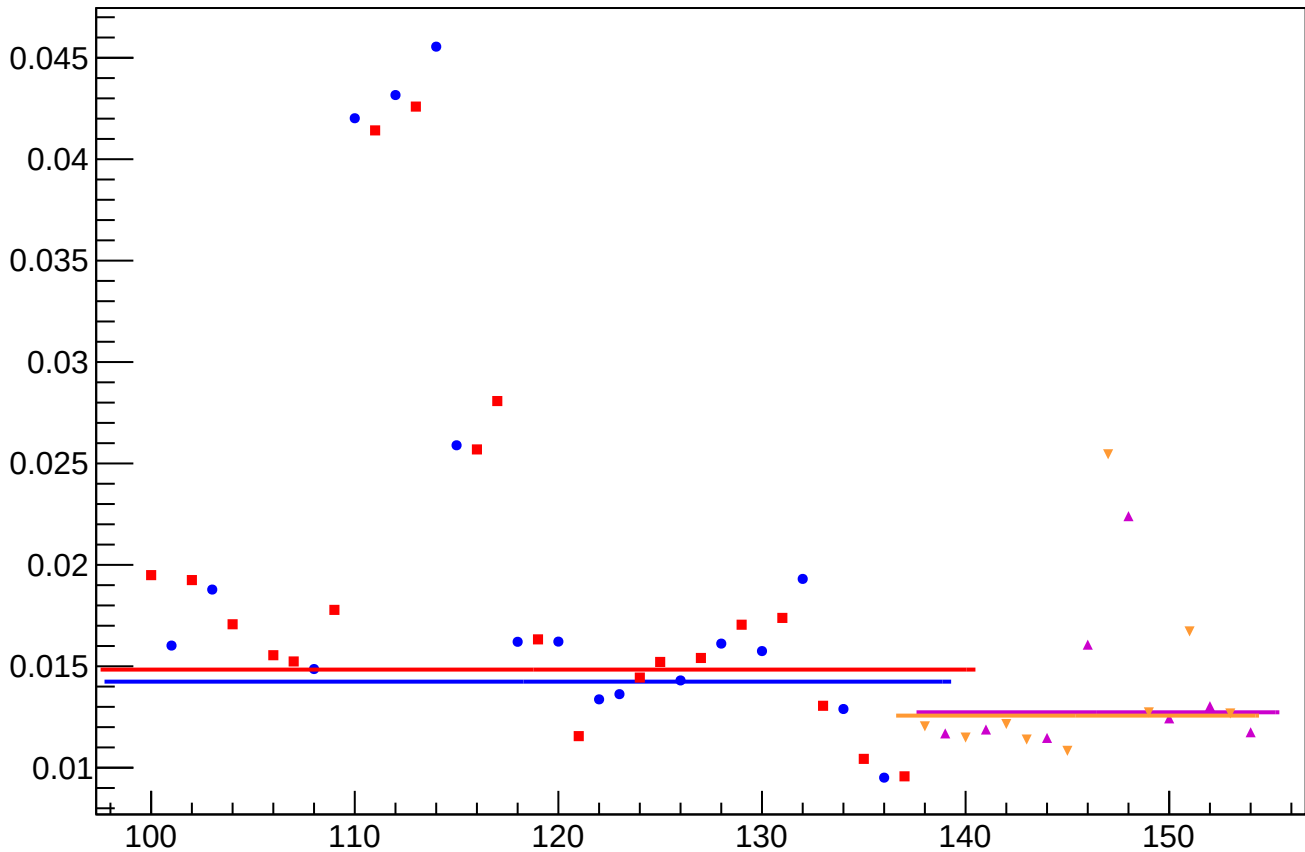
0.826+/-0.000 χ^2/NDF : 2632002656.2/25

Right Out: 0.928+/-0.000 χ^2/NDF : 2439574936.7/19

0.840+/-0.000 χ^2/NDF : 2810912779.9/27

Left In: 0.776+/-0.000 χ^2/NDF : 8025711.3/7

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1415681.3/16

Left Out: 0.013+/-0.000 χ^2/NDF : 537737.7/8

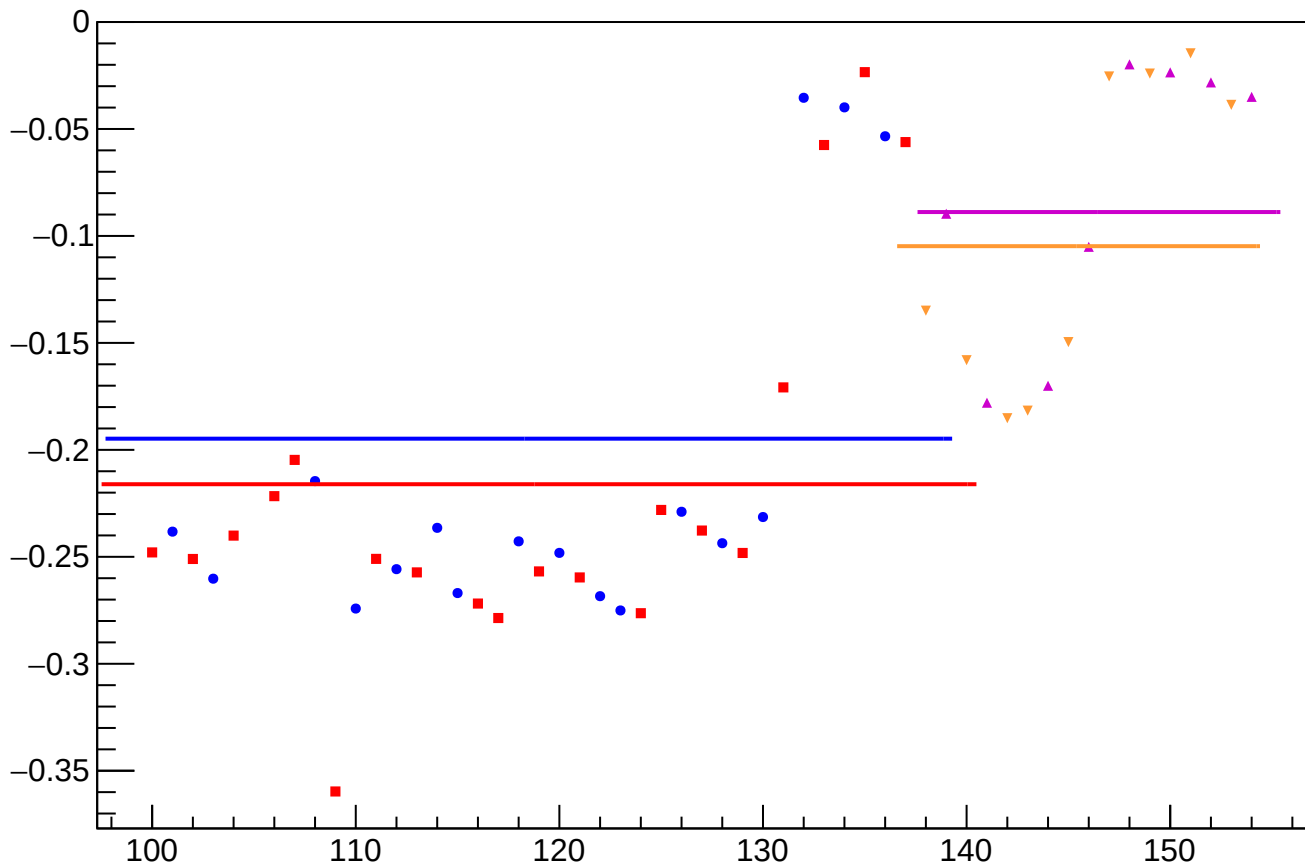
0.013+/-0.000 χ^2/NDF : 2043629.8/25

Right Out: 0.015+/-0.000 χ^2/NDF : 1291174.0/19

0.014+/-0.000 χ^2/NDF : 1829885.7/27

Left In: 0.013+/-0.000 χ^2/NDF : 398287.6/7

yield_bpm4ecX_mean vs Slug



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.105+/-0.000 χ^2/NDF : 67975778.2/8

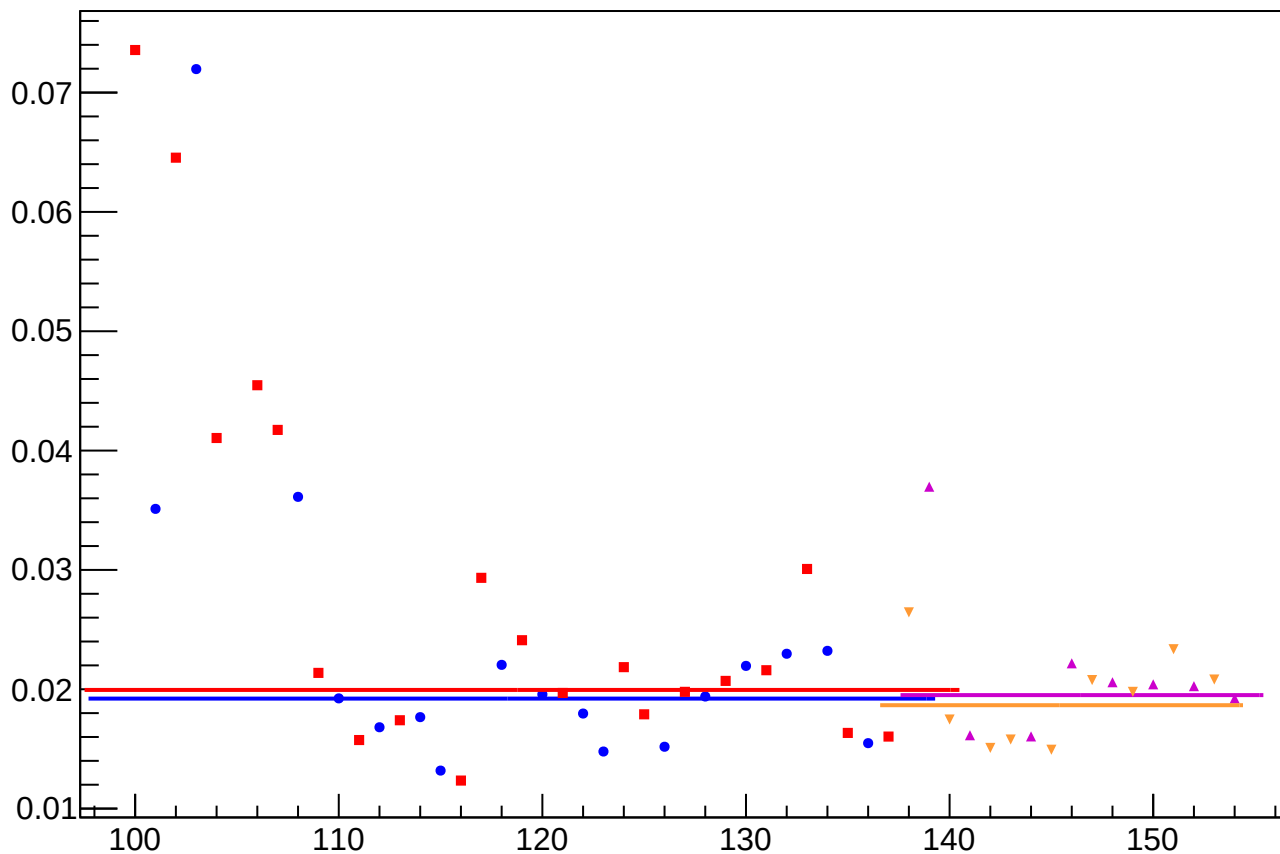
Right Out: -0.216+/-0.000 χ^2/NDF : 112167032.2/19

Left In: -0.089+/-0.000 χ^2/NDF : 60842912.5/7

-0.149+/-0.000 χ^2/NDF : 232980322.0/25

-0.152+/-0.000 χ^2/NDF : 280211817.7/27

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1177085.4/16

Left Out: 0.019+/-0.000 χ^2/NDF : 328503.5/8

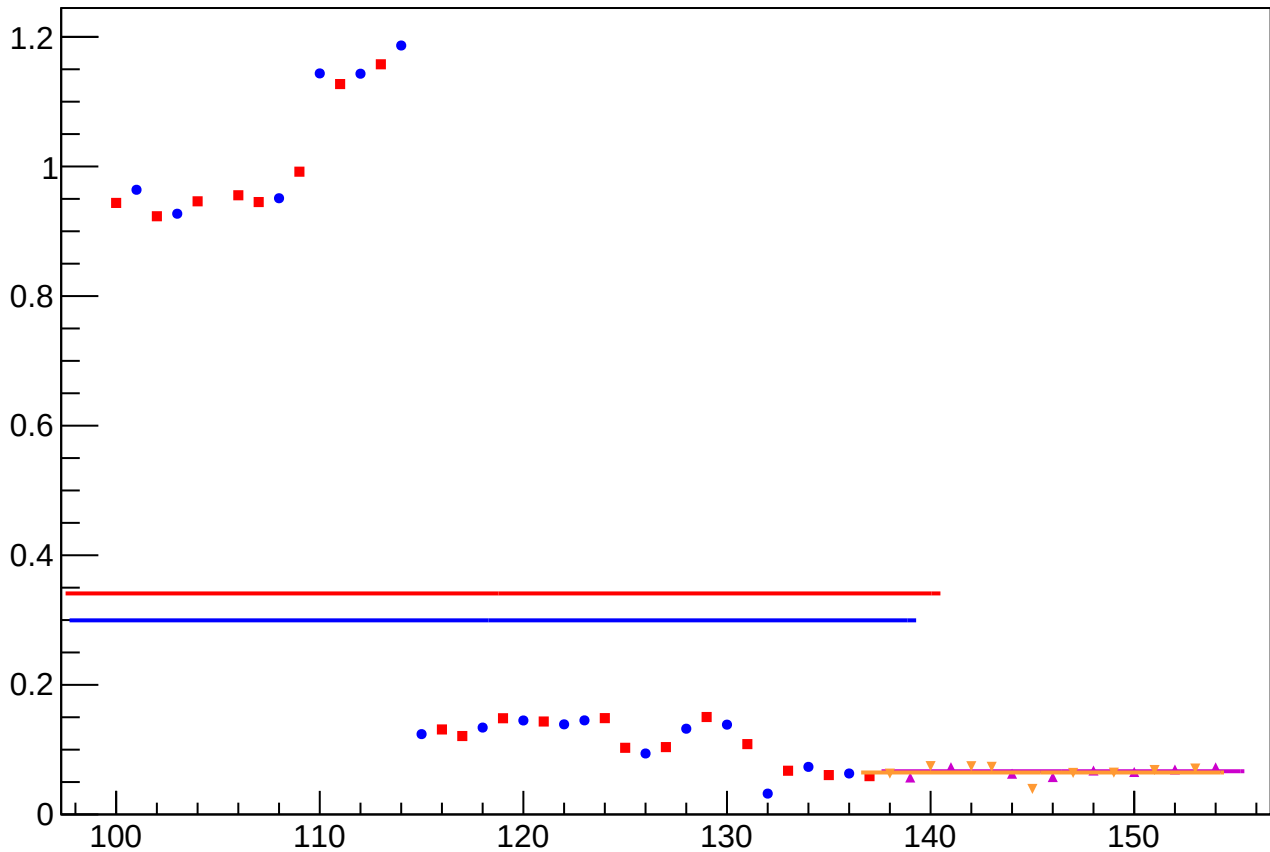
Right Out: 0.020+/-0.000 χ^2/NDF : 1455211.7/19

Left In: 0.020+/-0.000 χ^2/NDF : 438084.5/7

0.019+/-0.000 χ^2/NDF : 1509852.9/25

0.020+/-0.000 χ^2/NDF : 1895791.1/27

yield_bpm4ecY_mean vs Slug



Right In: 0.300+/-0.000 χ^2/NDF : 5165052137.6/16

Left Out: 0.065+/-0.000 χ^2/NDF : 6711766.8/8

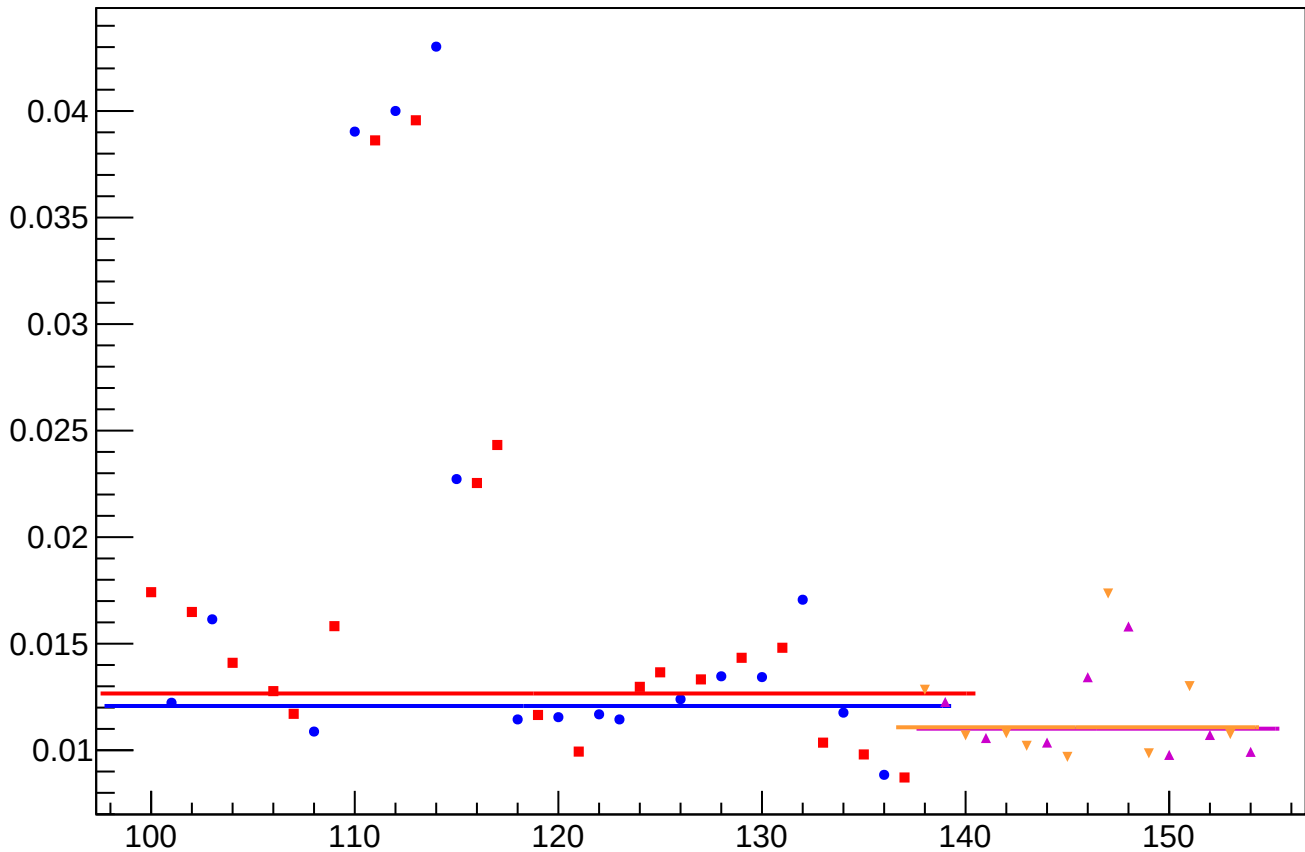
0.168+/-0.000 χ^2/NDF : 6375252811.0/25

Right Out: 0.341+/-0.000 χ^2/NDF : 5453748737.7/19

0.182+/-0.000 χ^2/NDF : 7066274388.2/27

Left In: 0.067+/-0.000 χ^2/NDF : 1507830.6/7

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:322280.5/8

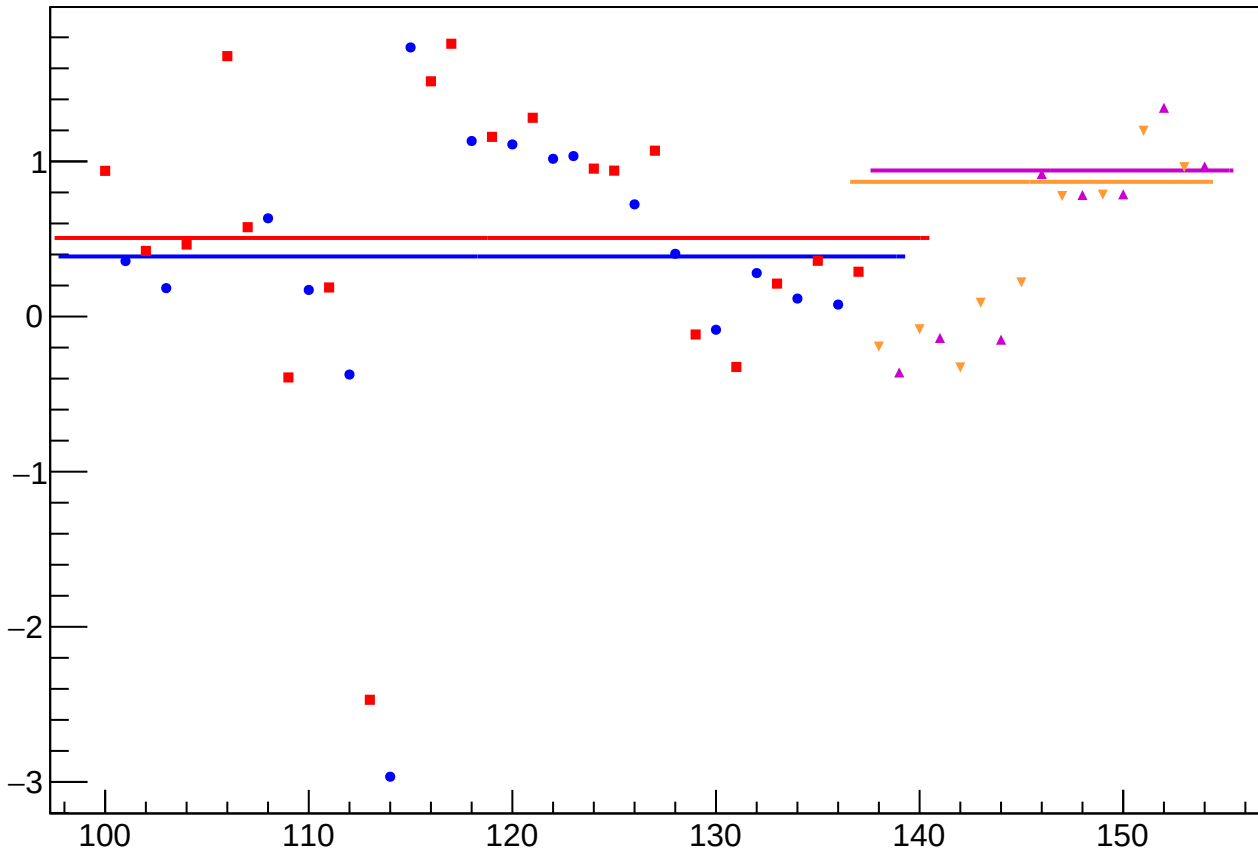
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1255391.1/19

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:261726.1/7

0.012 $\pm$ 0.000 χ^2 /NDF: 1648003.7/25

0.012 $\pm$ 0.000 χ^2 /NDF: 1633844.7/27

yield_bpm1X_mean vs Slug



Right In: 0.387 $\pm$ 0.000 χ^2 /NDF: 247912593.5/16

Left Out: 0.868 $\pm$ 0.000 χ^2 /NDF: 668618618.1/8

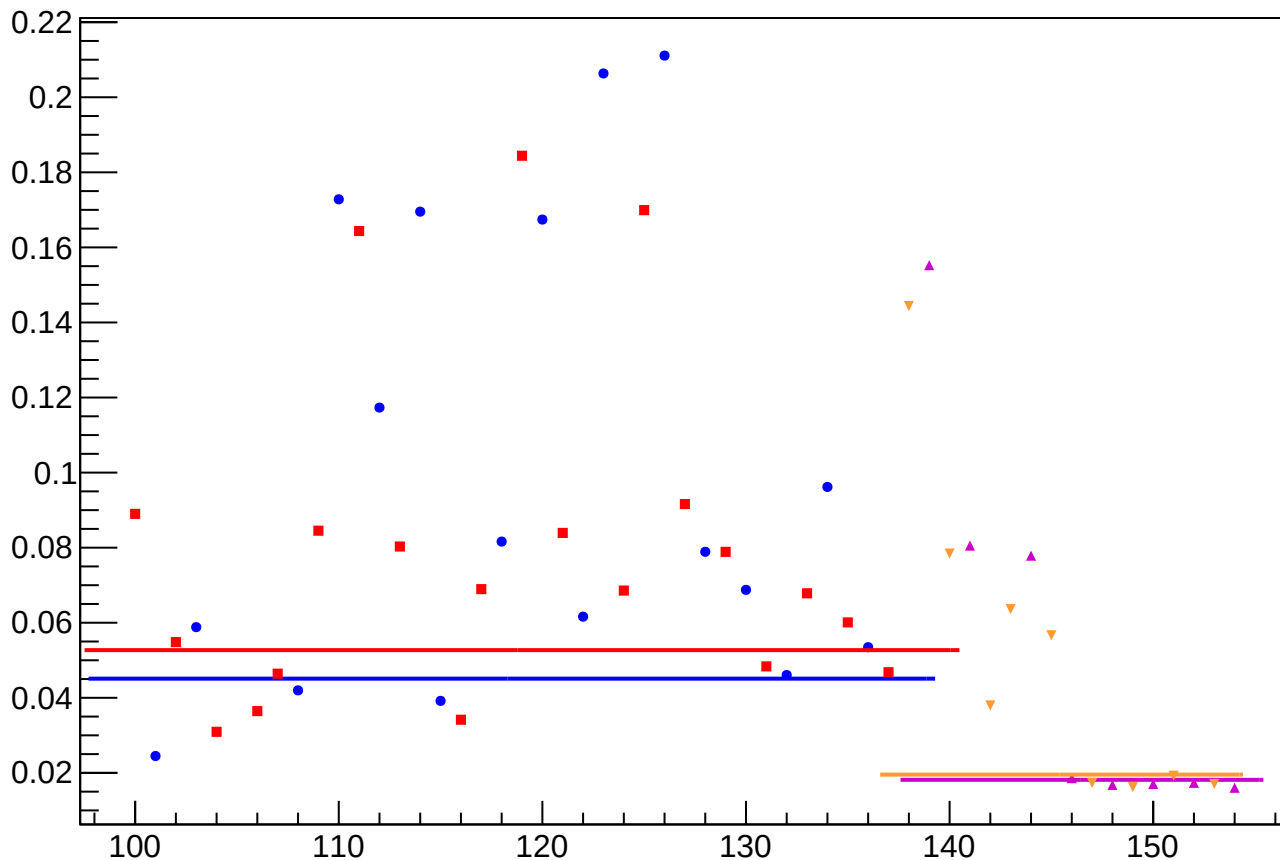
Right Out: 0.507 $\pm$ 0.000 χ^2 /NDF: 995347030.4/19

Left In: 0.942 $\pm$ 0.000 χ^2 /NDF: 744909636.2/7

0.796 $\pm$ 0.000 χ^2 /NDF: 1260190470.2/25

0.894 $\pm$ 0.000 χ^2 /NDF: 1993219306.5/27

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2846218.9/16

Left Out: 0.020+/-0.000 χ^2/NDF :2516851.1/8

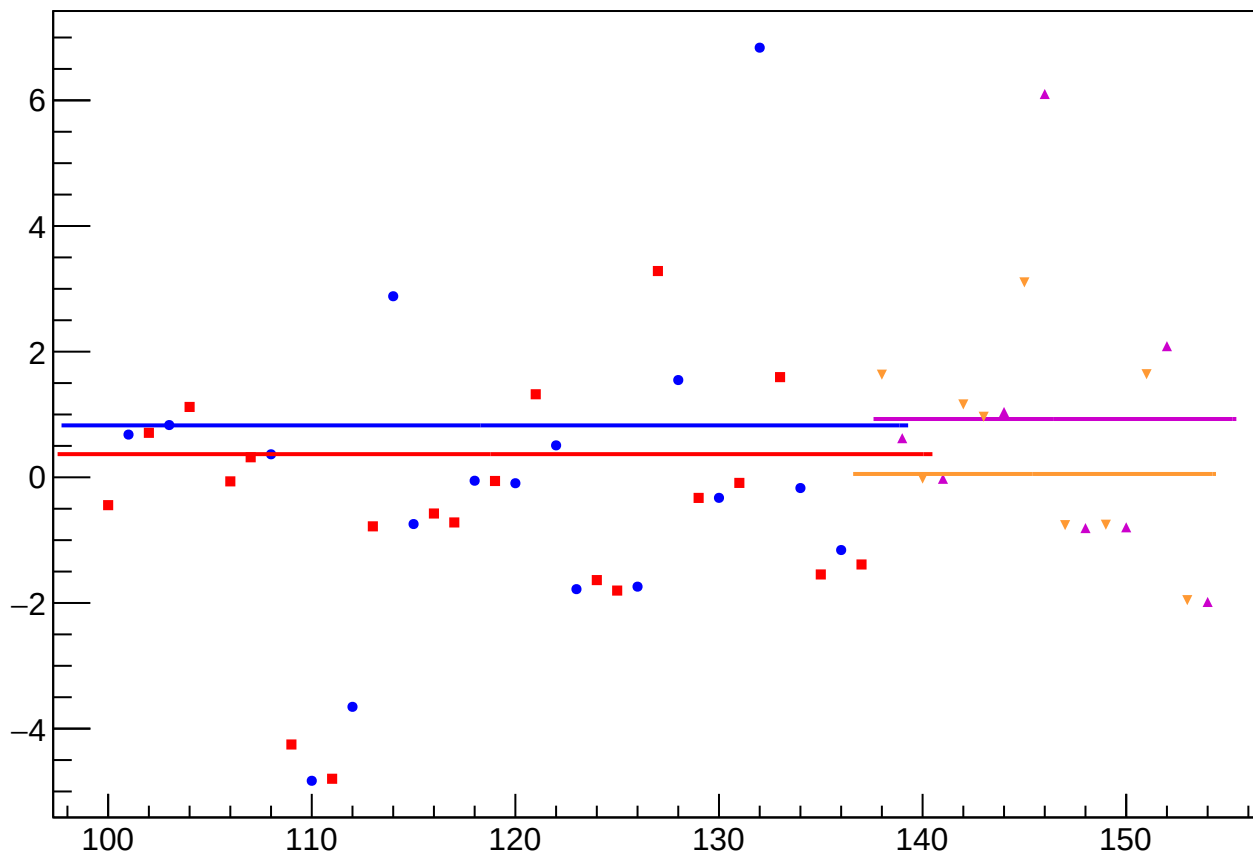
Right Out: 0.053+/-0.000 χ^2/NDF : 2194555.4/19

Left In: 0.018+/-0.000 χ^2/NDF :2170703.1/7

0.023+/-0.000 χ^2/NDF : 7303875.2/25

0.022+/-0.000 χ^2/NDF : 7558066.0/27

yield_bpm1Y_mean vs Slug



Right In: 0.827+/-0.000 χ^2/NDF : 10936458870.4/16

Left Out: 0.053+/-0.000 χ^2/NDF : 51017921850.1/8

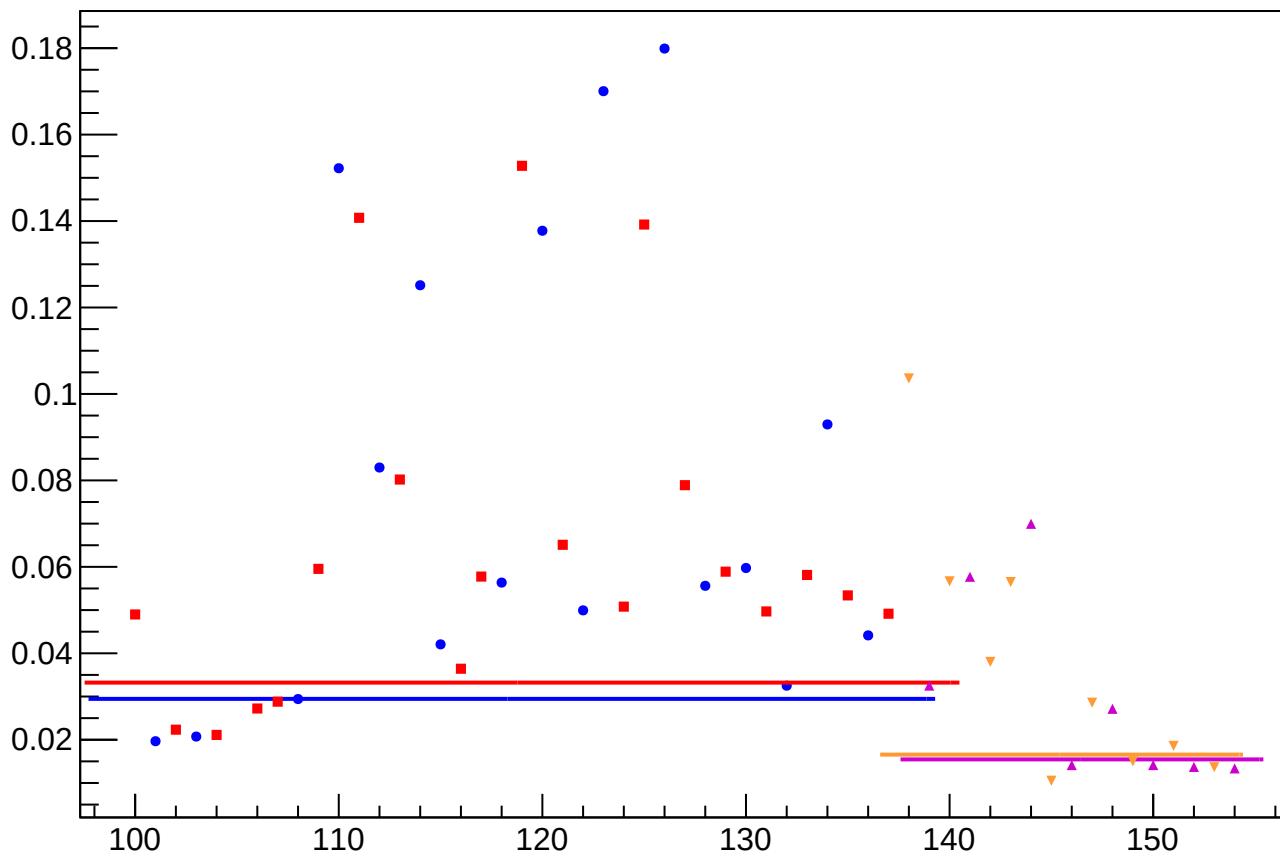
Right Out: 0.369+/-0.000 χ^2/NDF : 4985860510.0/19

Left In: 0.928+/-0.000 χ^2/NDF : 153660665203.6/7

0.224+/-0.000 χ^2/NDF : 63788989571.0/25

0.837+/-0.000 χ^2/NDF : 159566013866.3/27

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.017+/-0.000 χ^2/NDF :2436515.1/8

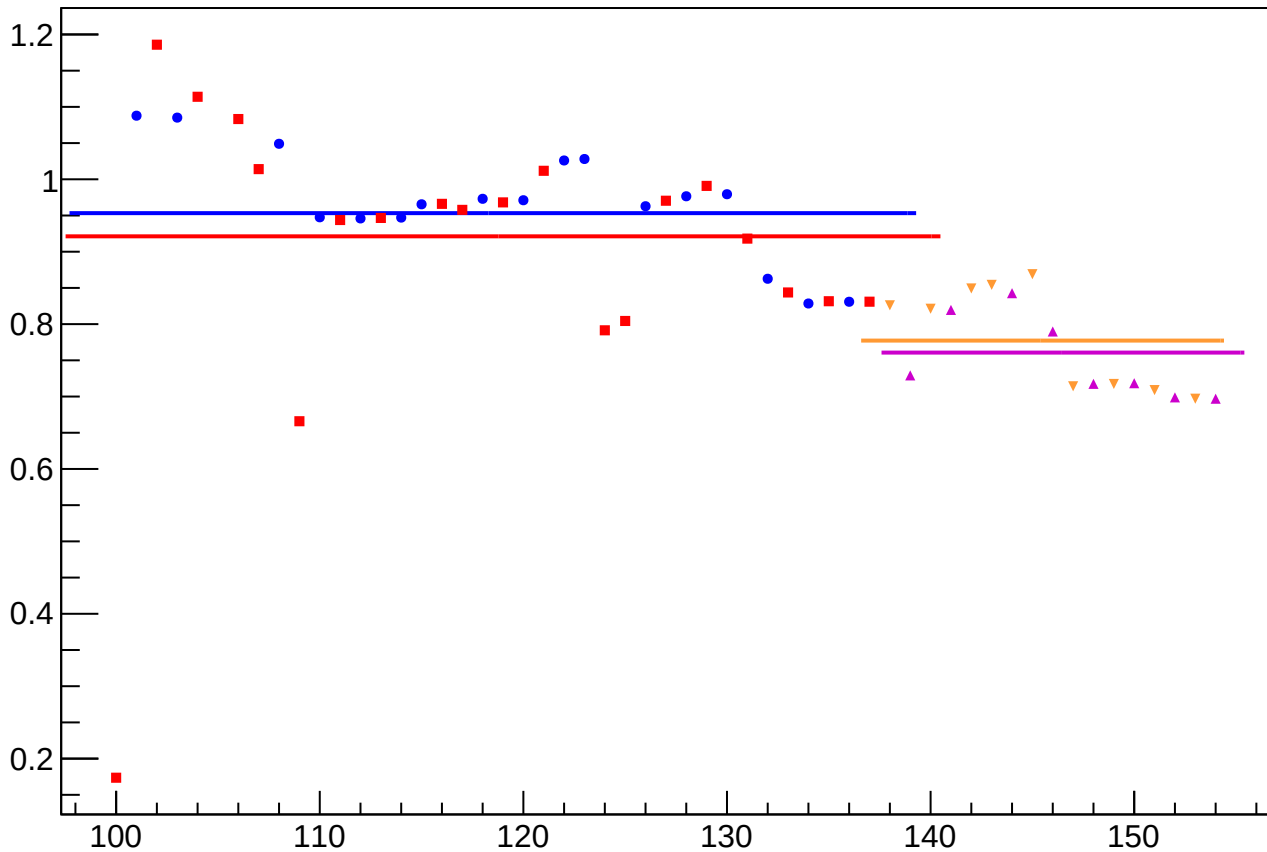
Right Out: 0.033+/-0.000 χ^2/NDF : 3110014.7/19

Left In: 0.015+/-0.000 χ^2/NDF :1650323.0/7

0.019+/-0.000 χ^2/NDF : 6510900.3/25

0.018+/-0.000 χ^2/NDF : 6616498.4/27

yield_bpm11X_mean vs Slug



Right In: 0.953+/-0.000 χ^2/NDF : 175396553.4/16

Left Out: 0.777+/-0.000 χ^2/NDF :170021643.0/8

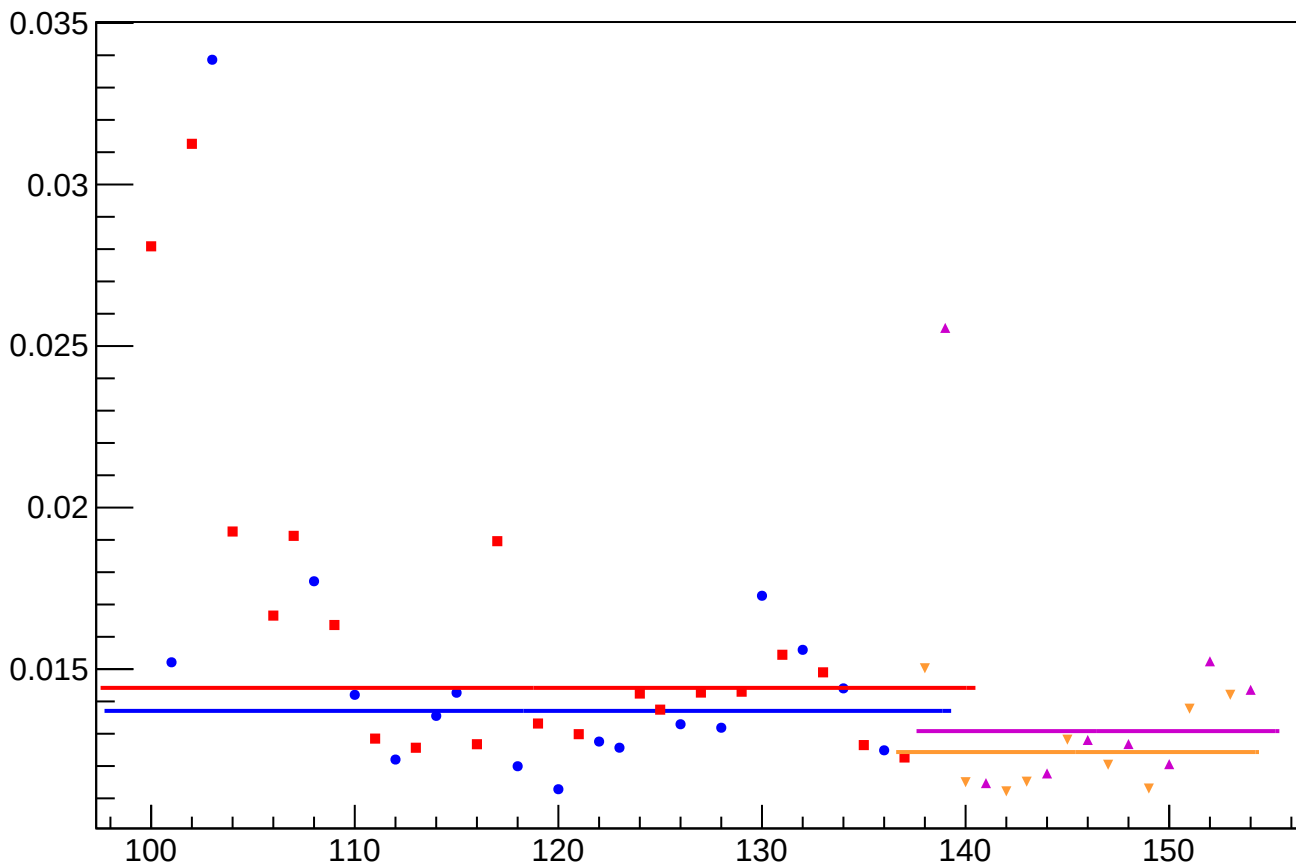
0.858+/-0.000 χ^2/NDF : 863768531.8/25

Right Out: 0.921+/-0.000 χ^2/NDF : 374376205.4/19

0.836+/-0.000 χ^2/NDF : 883733811.4/27

Left In: 0.761+/-0.000 χ^2/NDF :106390358.4/7

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 :112914.3/8

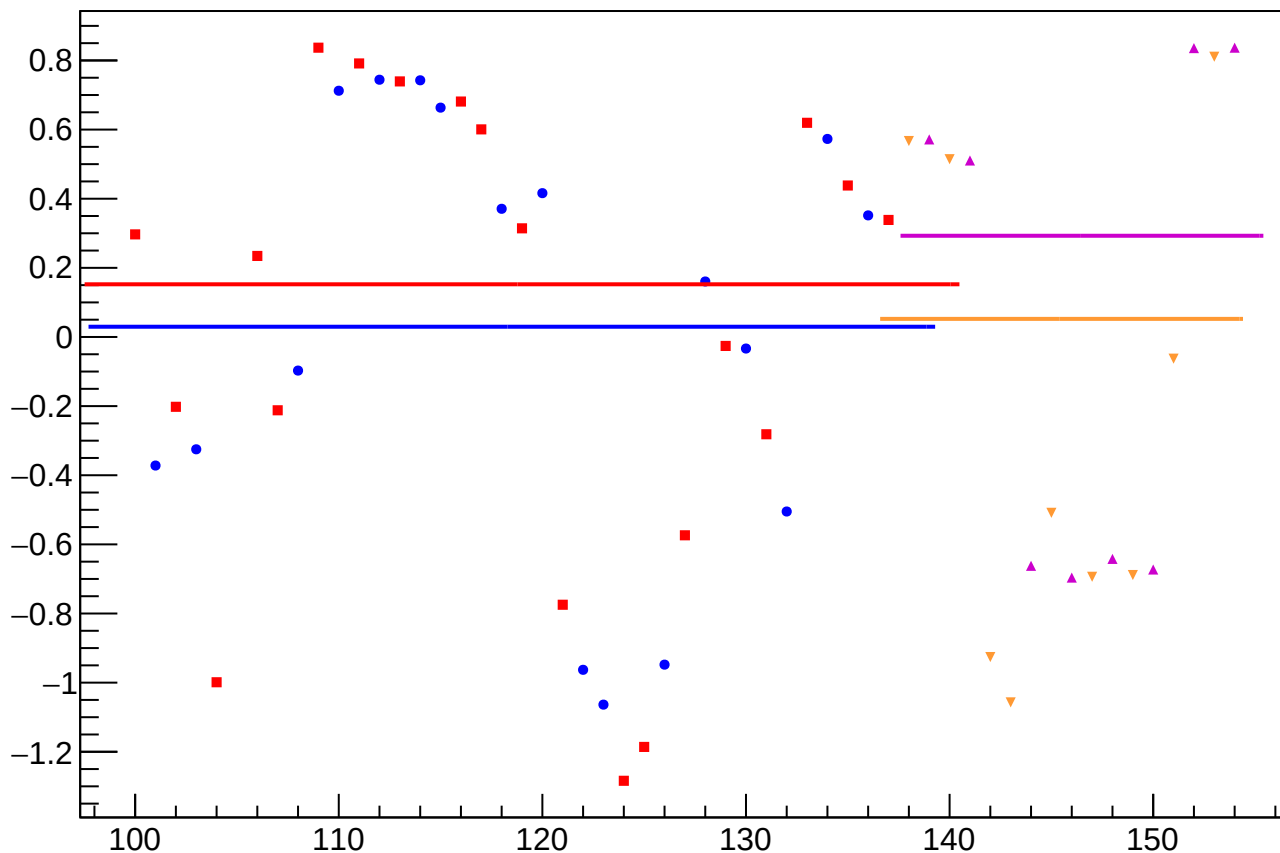
Right Out: 0.014+/-0.000 χ^2/NDF : 506553.4/19

Left In: 0.013+/-0.000 χ^2/NDF :416636.3/7

0.013+/-0.000 χ^2/NDF : 713582.5/25

0.014+/-0.000 χ^2/NDF : 979181.5/27

yield_bpm11Y_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 6294824795.0/16

Left Out: 0.052 $\pm$ 0.000 χ^2 /NDF:19037326169.3/8

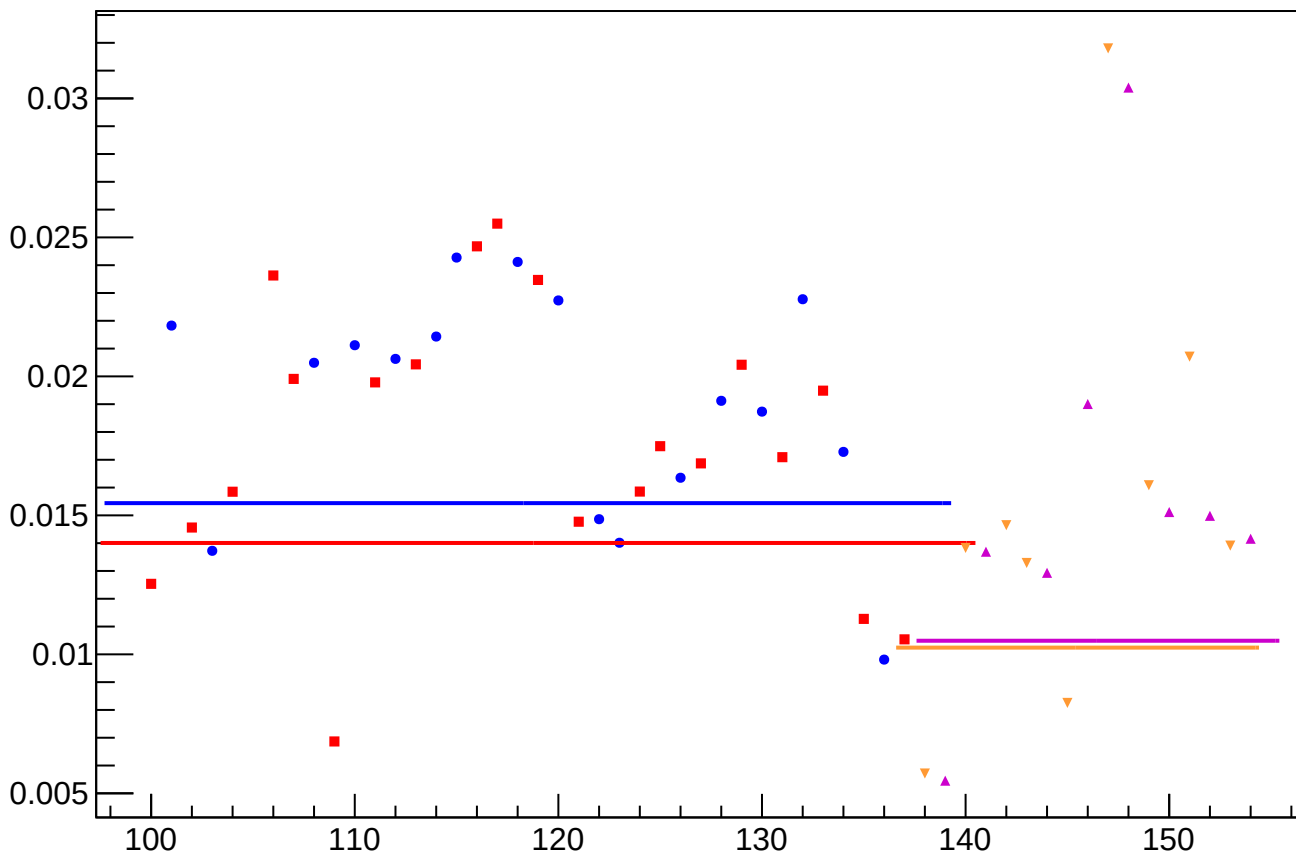
Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12673501089.9/19

Left In: 0.293 $\pm$ 0.000 χ^2 /NDF:14726265303.9/7

0.045 $\pm$ 0.000 χ^2 /NDF: 25340217921.9/25

0.238 $\pm$ 0.000 χ^2 /NDF: 27743851291.3/27

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.010+/-0.000 χ^2/NDF : 2417832.9/8

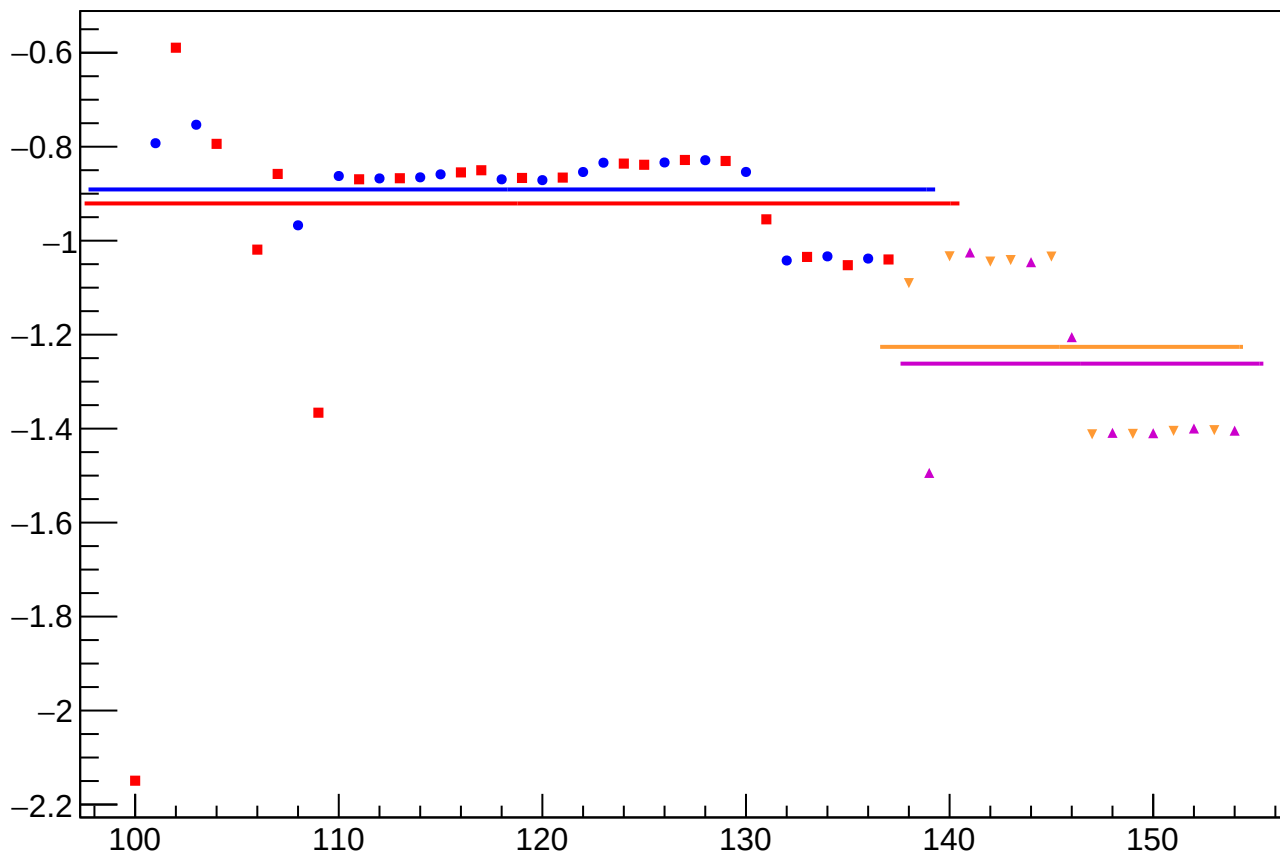
Right Out: 0.014+/-0.000 χ^2/NDF : 1576149.9/19

Left In: 0.010+/-0.000 χ^2/NDF : 2570506.9/7

0.012+/-0.000 χ^2/NDF : 4424327.8/25

0.012+/-0.000 χ^2/NDF : 4578523.3/27

yield_bpm12X_mean vs Slug



Right In: -0.891+/-0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.226+/-0.000 χ^2/NDF :185757060.8/8

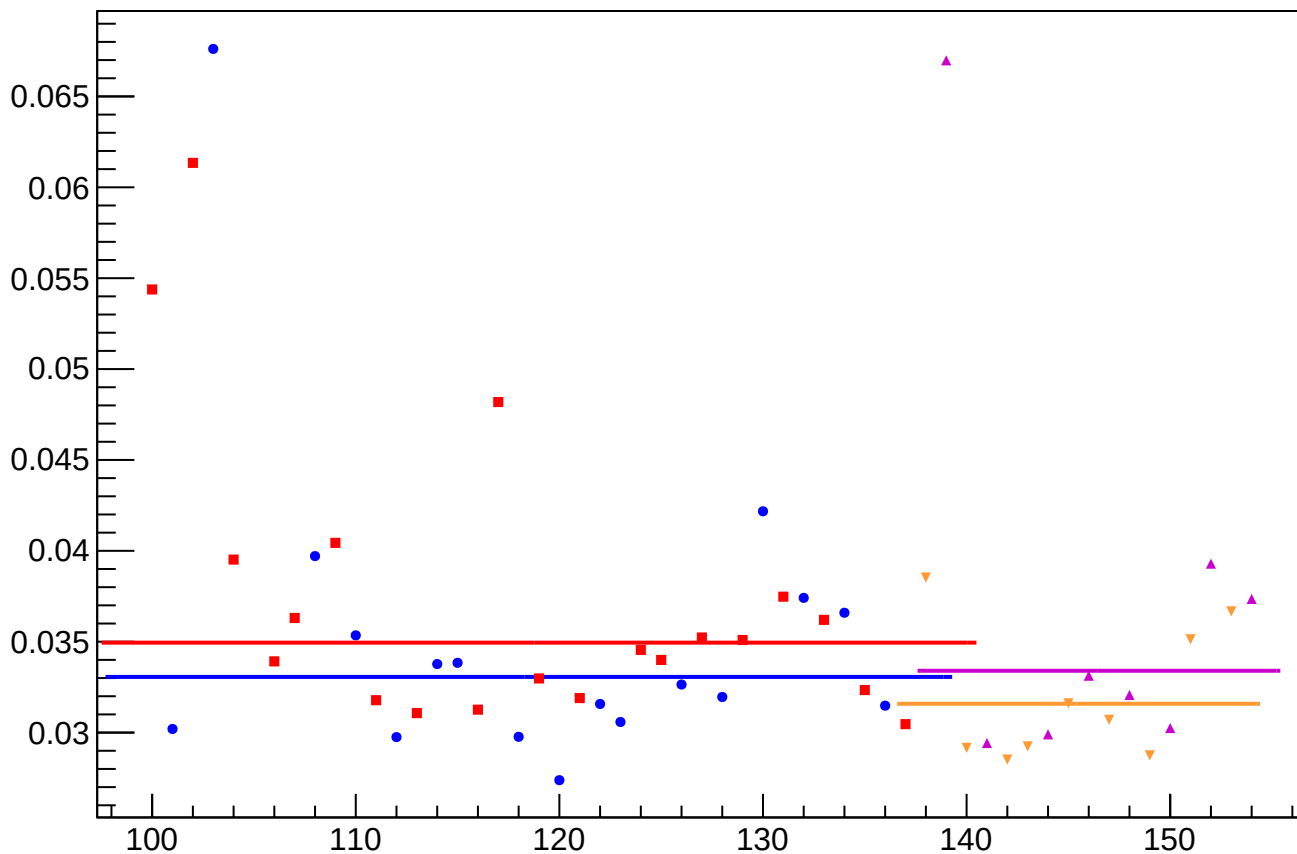
Right Out: -0.921+/-0.000 χ^2/NDF : 131271770.4/19

Left In: -1.262+/-0.000 χ^2/NDF :149352135.5/7

-1.062+/-0.000 χ^2/NDF : 532829762.9/25

-1.091+/-0.000 χ^2/NDF : 575581208.4/27

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 409286.7/16

Left Out: 0.032+/-0.000 χ^2/NDF :120718.9/8

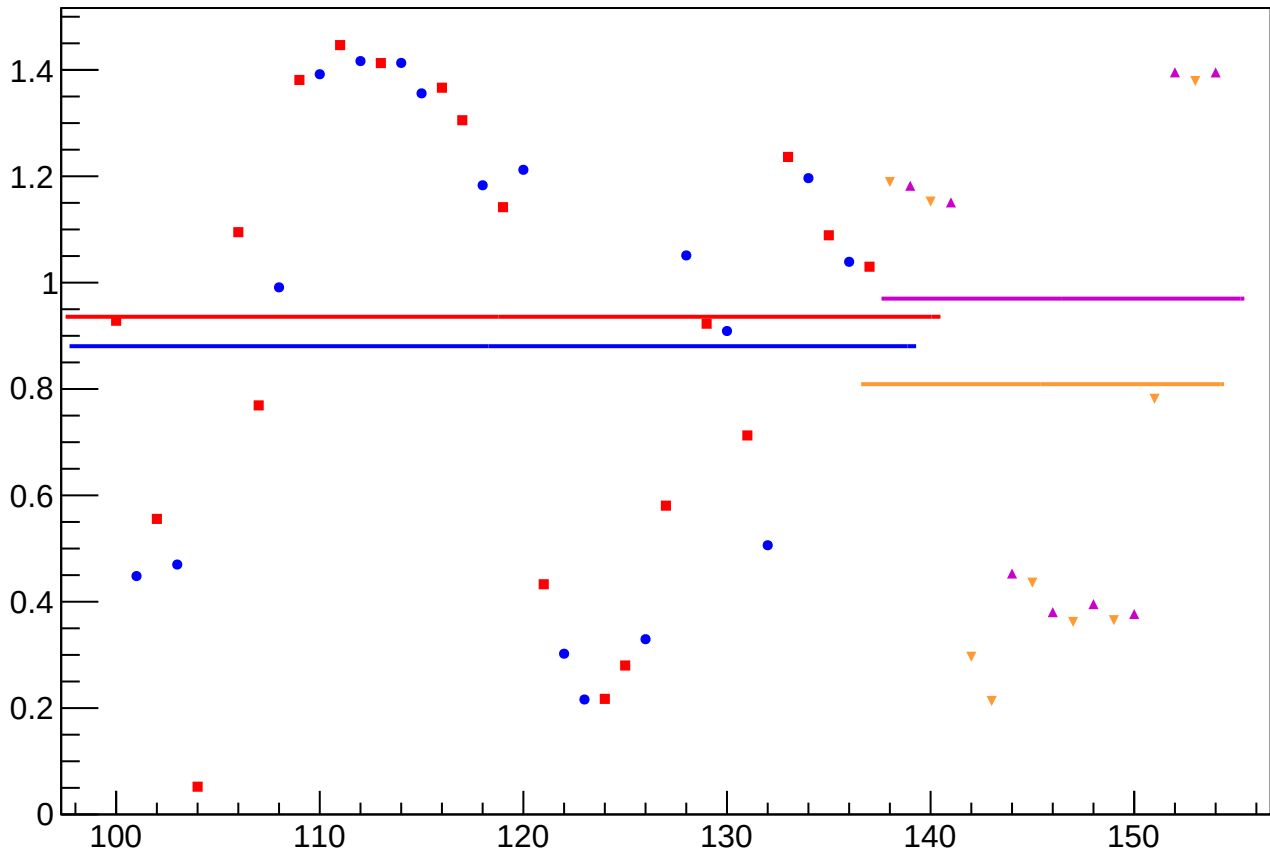
Right Out: 0.035+/-0.000 χ^2/NDF : 280500.4/19

Left In: 0.033+/-0.000 χ^2/NDF :447787.5/7

0.032+/-0.000 χ^2/NDF : 541948.1/25

0.034+/-0.000 χ^2/NDF : 740429.6/27

yield_bpm12Y_mean vs Slug



Right In: 0.880 +/- 0.000 χ^2/NDF : 6400108121.4/16

Left Out: 0.809 +/- 0.000 χ^2/NDF : 15070480738.5/8

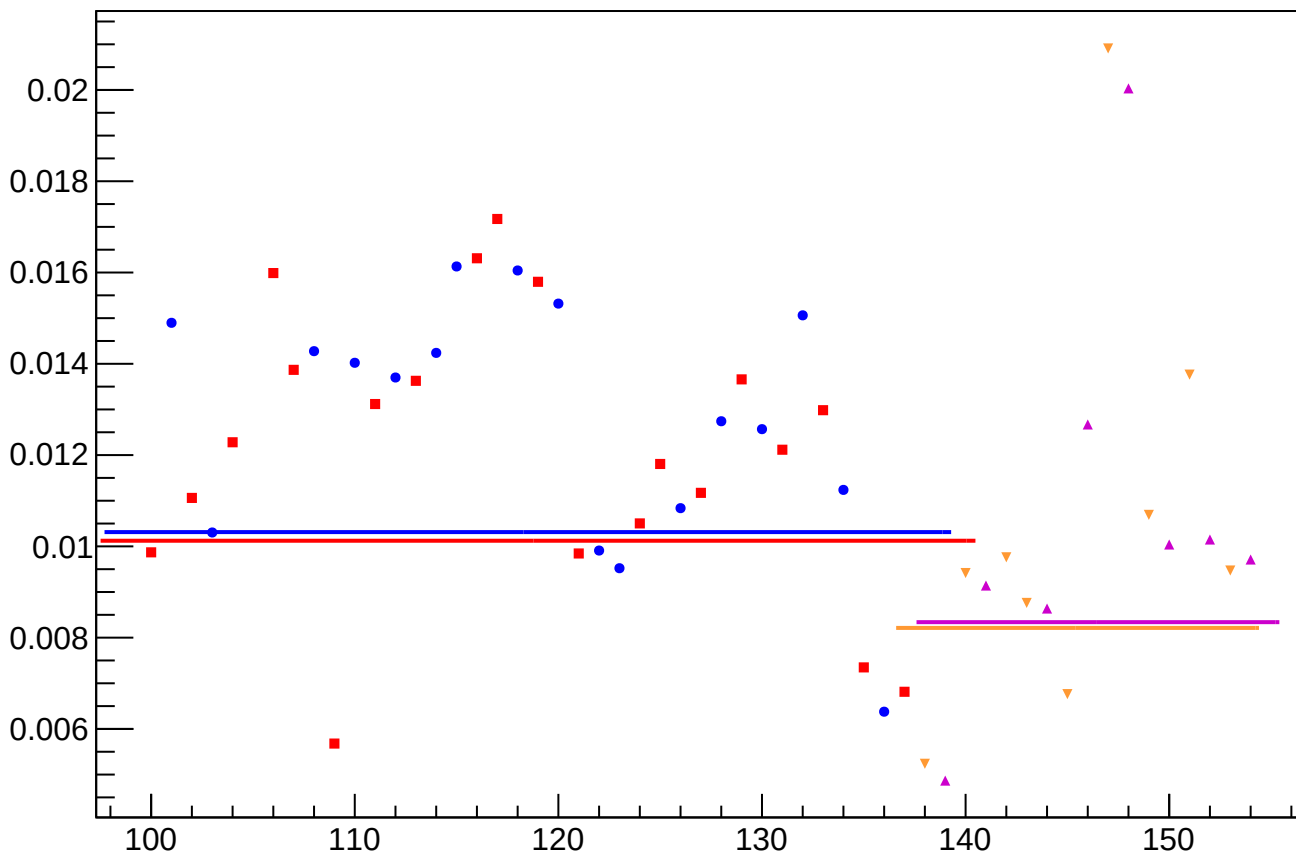
Right Out: 0.936 +/- 0.000 χ^2/NDF : 9851303698.9/19

Left In: 0.970 +/- 0.000 χ^2/NDF : 12631972272.3/7

0.837 +/- 0.000 χ^2/NDF : 21633180266.2/25

0.956 +/- 0.000 χ^2/NDF : 22521783536.4/27

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 : 1433054.0/8

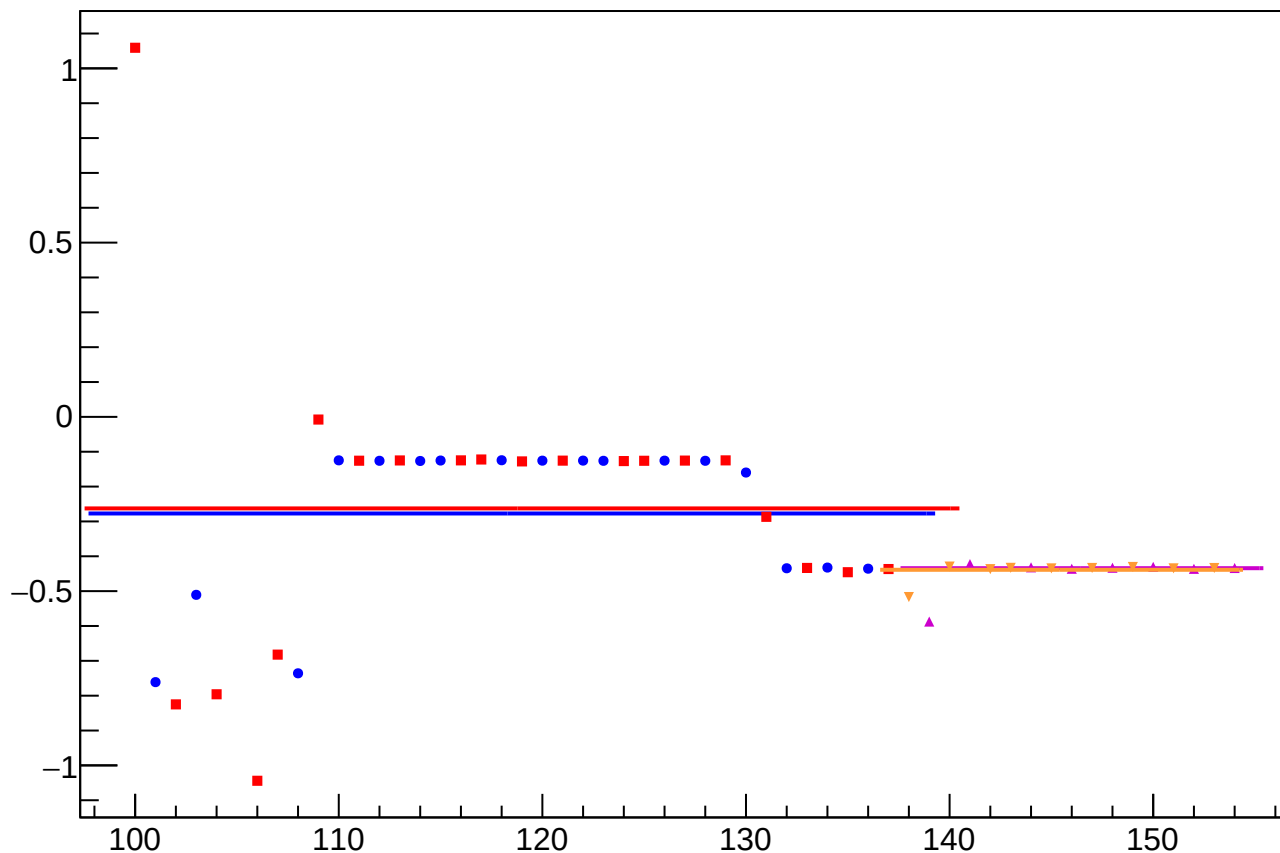
Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 1191429.9/19

Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 1476759.3/7

0.009 $\pm$ 0.000 χ^2/NDF : 2945382.2/25

0.009 $\pm$ 0.000 χ^2/NDF : 2879155.1/27

yield_bpm16X_mean vs Slug



Right In: -0.277+/-0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.439+/-0.000 χ^2/NDF : 23985677.5/8

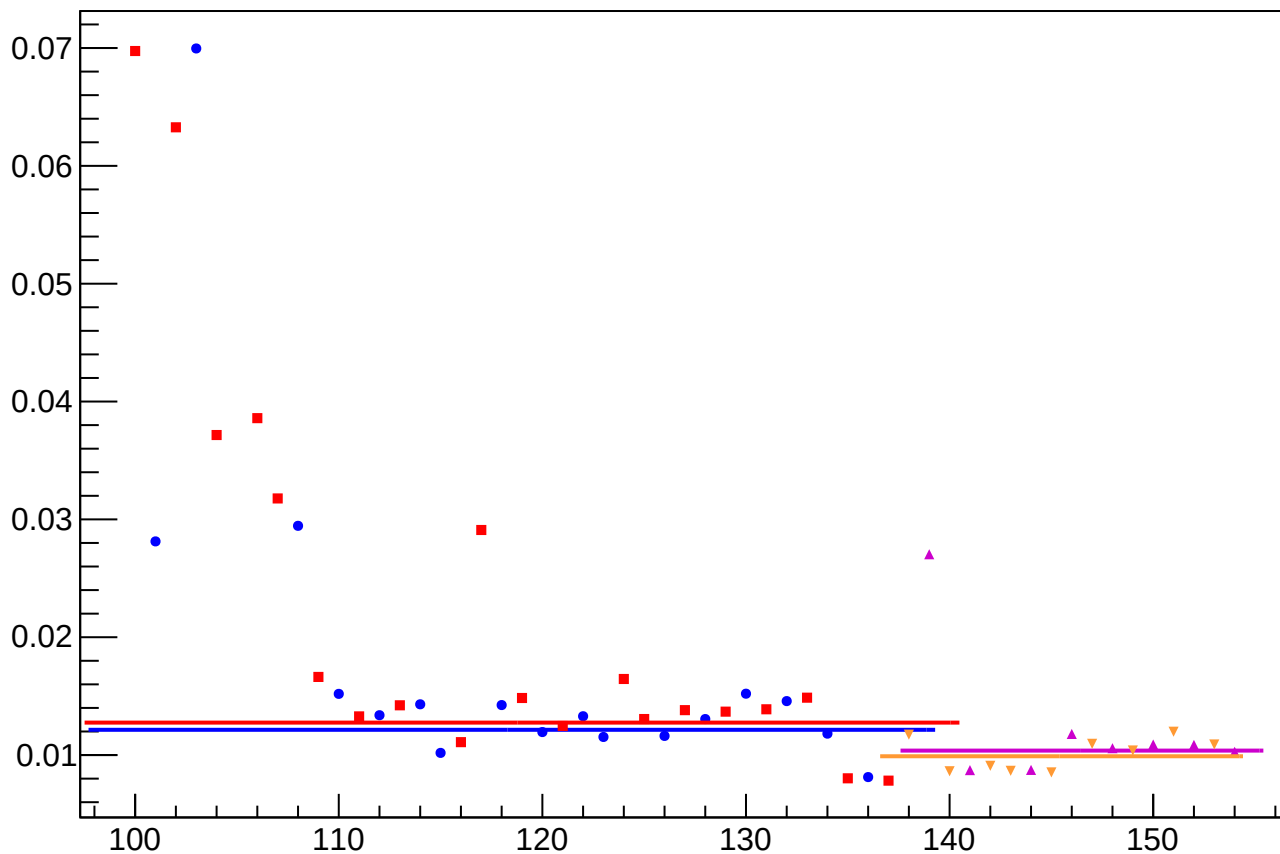
Right Out: -0.263+/-0.000 χ^2/NDF : 1009303829.9/19

Left In: -0.434+/-0.000 χ^2/NDF : 22681597.1/7

-0.378+/-0.000 χ^2/NDF : 1485753874.1/25

-0.368+/-0.000 χ^2/NDF : 1575403480.9/27

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1727494.7/16

Left Out: 0.010+/-0.000 χ^2/NDF : 174907.3/8

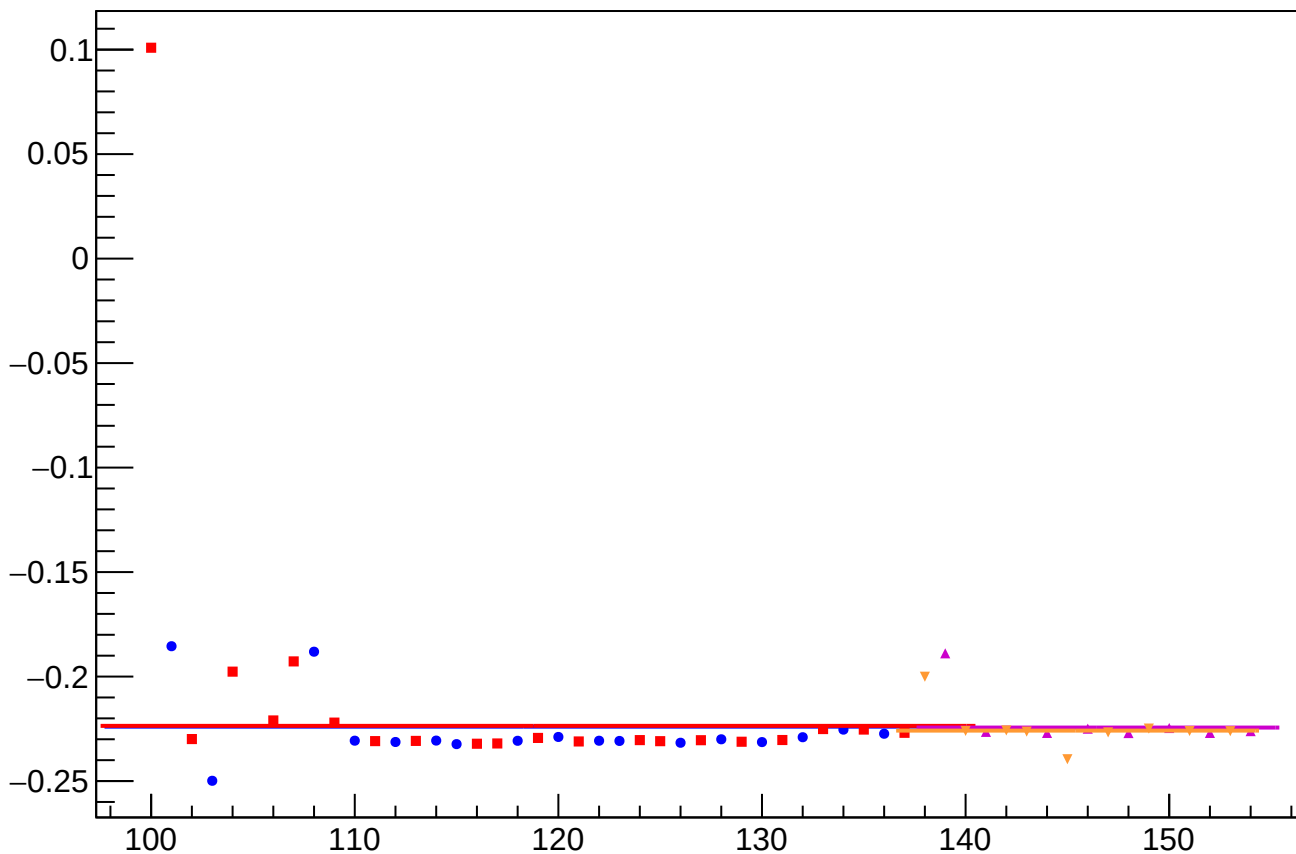
Right Out: 0.013+/-0.000 χ^2/NDF : 1993726.2/19

Left In: 0.010+/-0.000 χ^2/NDF : 623689.4/7

0.011+/-0.000 χ^2/NDF : 2103638.7/25

0.011+/-0.000 χ^2/NDF : 2825879.5/27

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 : 20515778.9/8

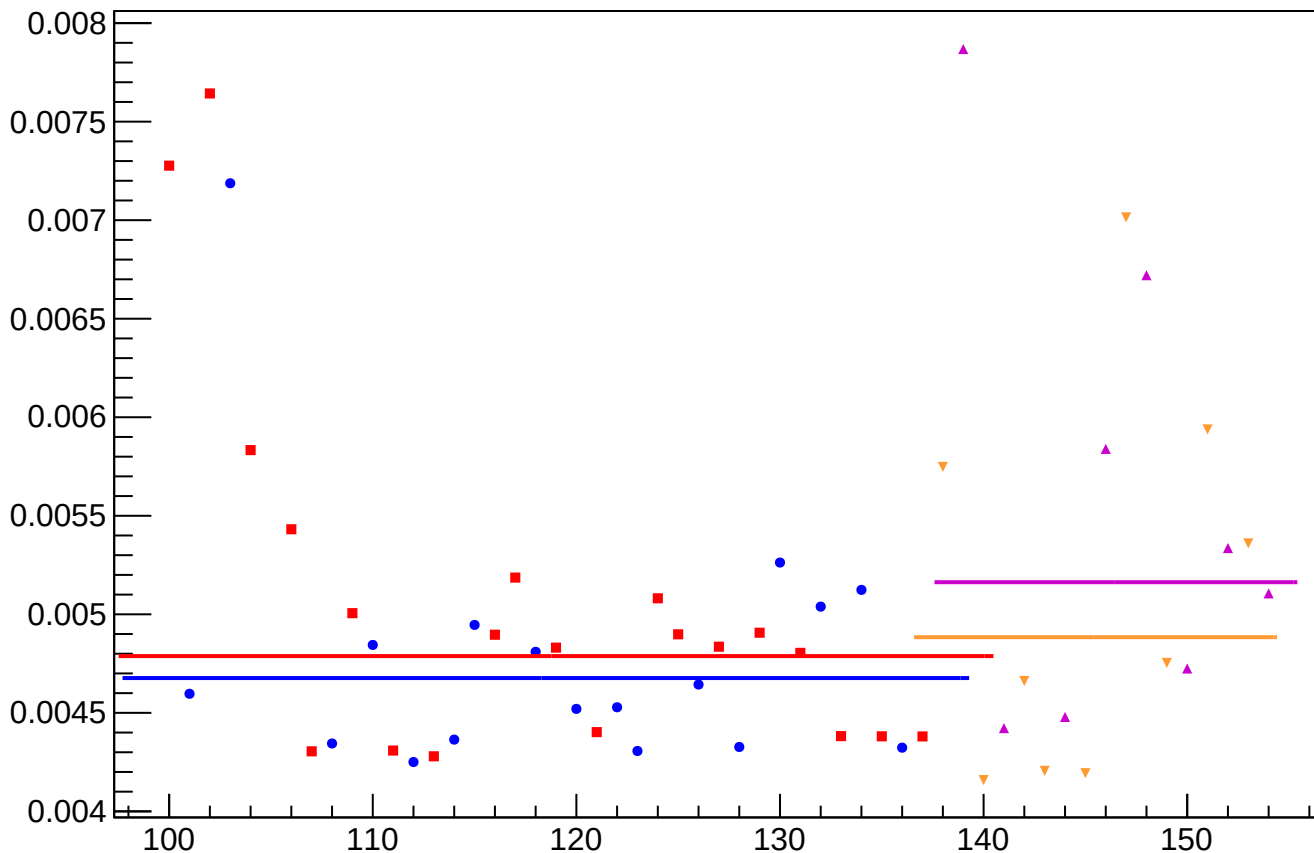
Right Out: -0.224+/-0.000 χ^2/NDF : 168231258.4/19

Left In: -0.224+/-0.000 χ^2/NDF : 13917074.3/7

-0.225+/-0.000 χ^2/NDF : 95698367.6/25

-0.224+/-0.000 χ^2/NDF : 182231629.1/27

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 : 345009.6/8

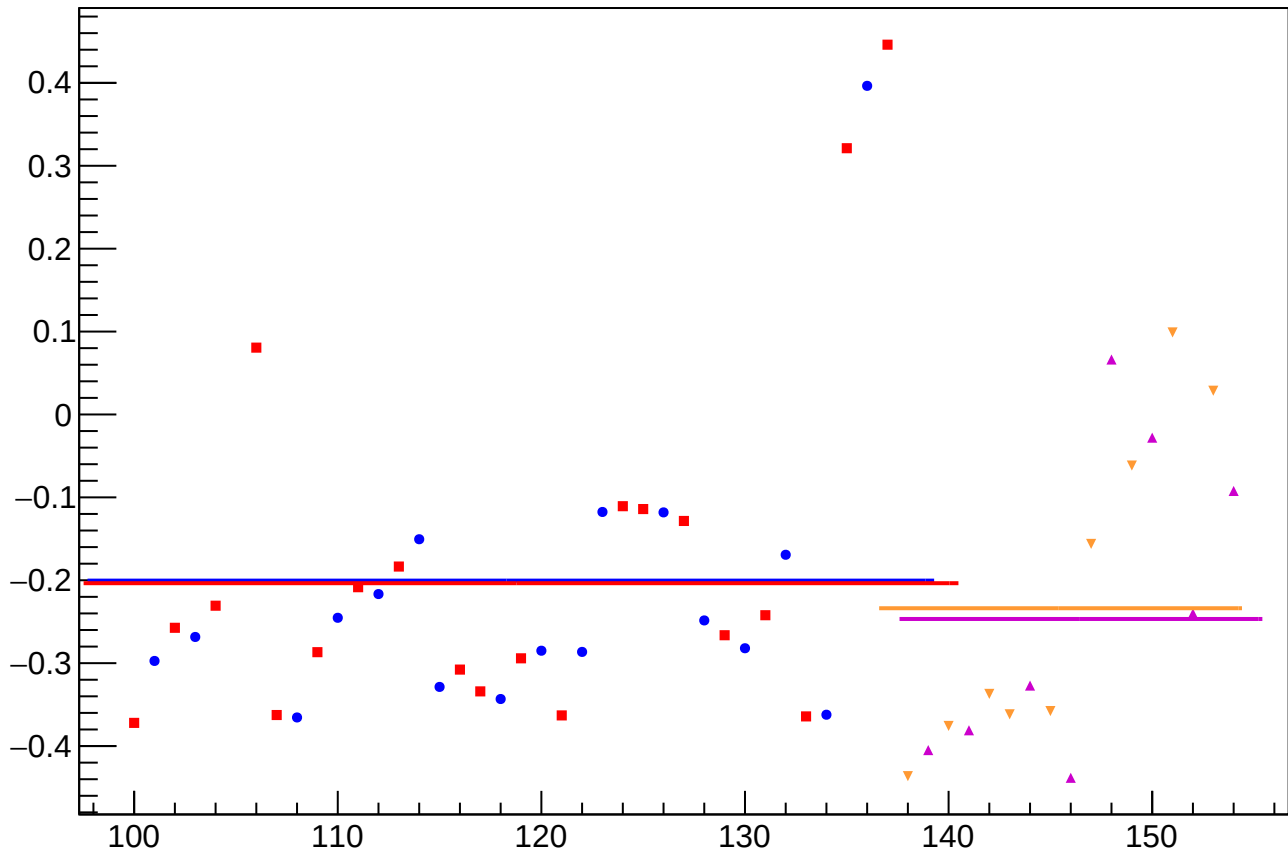
Right Out: 0.005+/-0.000 χ^2/NDF : 248668.3/19

Left In: 0.005+/-0.000 χ^2/NDF : 349460.1/7

0.005+/-0.000 χ^2/NDF : 537593.1/25

0.005+/-0.000 χ^2/NDF : 633152.3/27

yield_bpm0i02X_mean vs Slug



Right In: -0.200+/-0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.234+/-0.000 χ^2/NDF : 7558931922.7/8

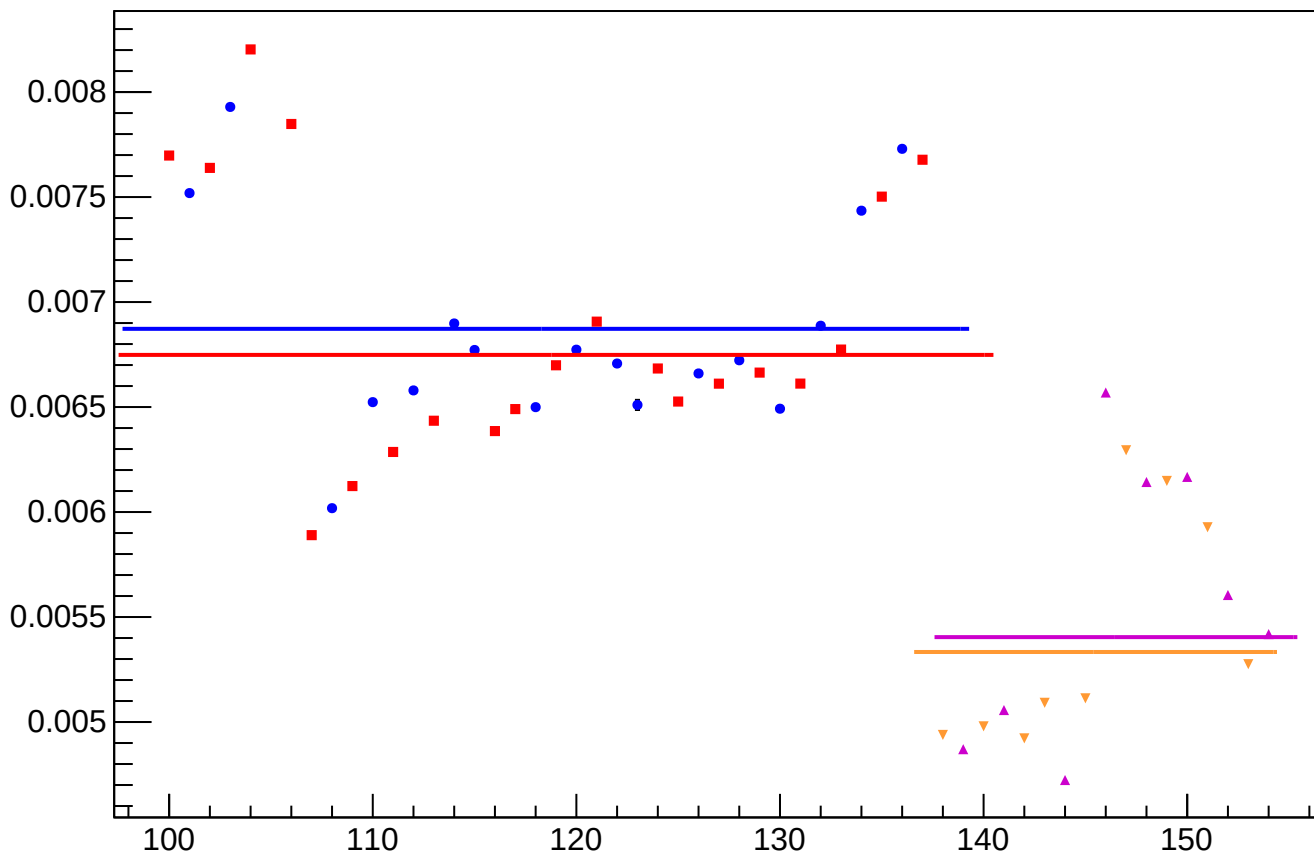
Right Out: -0.204+/-0.000 χ^2/NDF : 5045878528.0/19

Left In: -0.247+/-0.000 χ^2/NDF : 5416904629.8/7

-0.221+/-0.000 χ^2/NDF : 13625366810.9/25

-0.228+/-0.000 χ^2/NDF : 10623911171.4/27

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 78611.6/16

Left Out: 0.005+/-0.000 χ^2/NDF : 97316.3/8

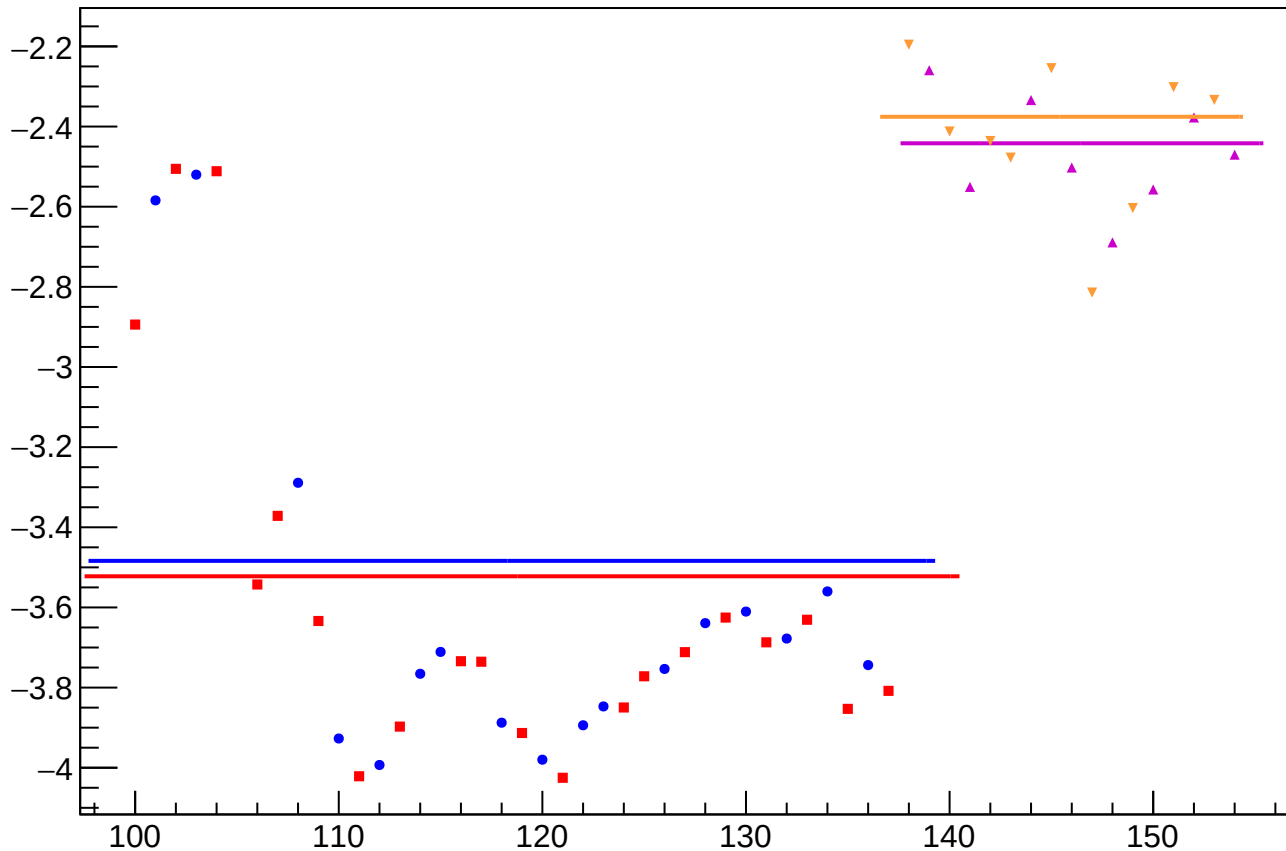
Right Out: 0.007+/-0.000 χ^2/NDF : 105262.1/19

Left In: 0.005+/-0.000 χ^2/NDF : 141457.4/7

0.006+/-0.000 χ^2/NDF : 572347.1/25

0.006+/-0.000 χ^2/NDF : 559242.7/27

yield_bpm0i02Y_mean vs Slug



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.376+/-0.000 χ^2/NDF : 1402856661.6/8

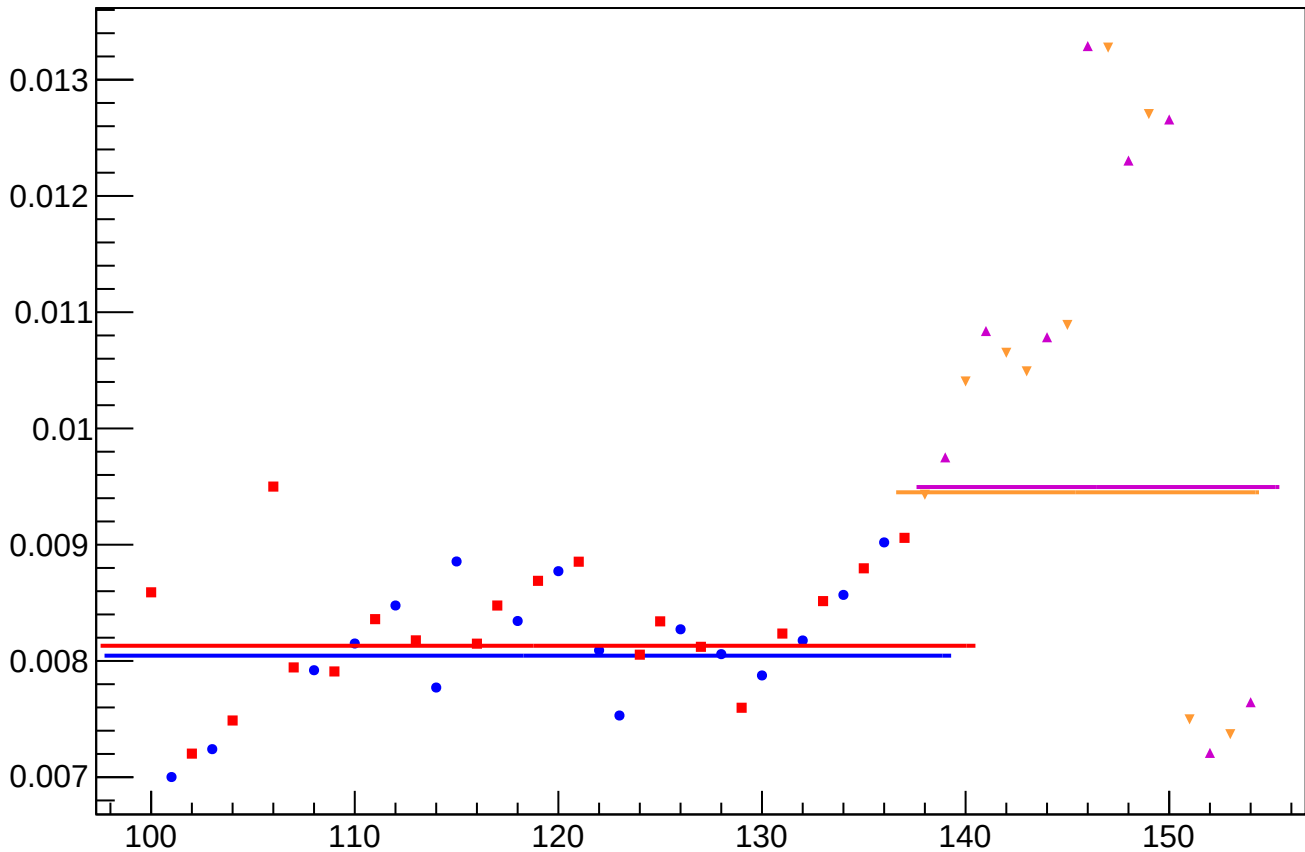
Right Out: -3.522+/-0.000 χ^2/NDF : 26497611752.4/19

Left In: -2.442+/-0.000 χ^2/NDF : 826642155.4/7

-3.052+/-0.000 χ^2/NDF : 76637971596.6/25

-3.112+/-0.000 χ^2/NDF : 73056634821.0/27

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 71989.8/16

Left Out: 0.009+/-0.000 χ^2/NDF : 461828.6/8

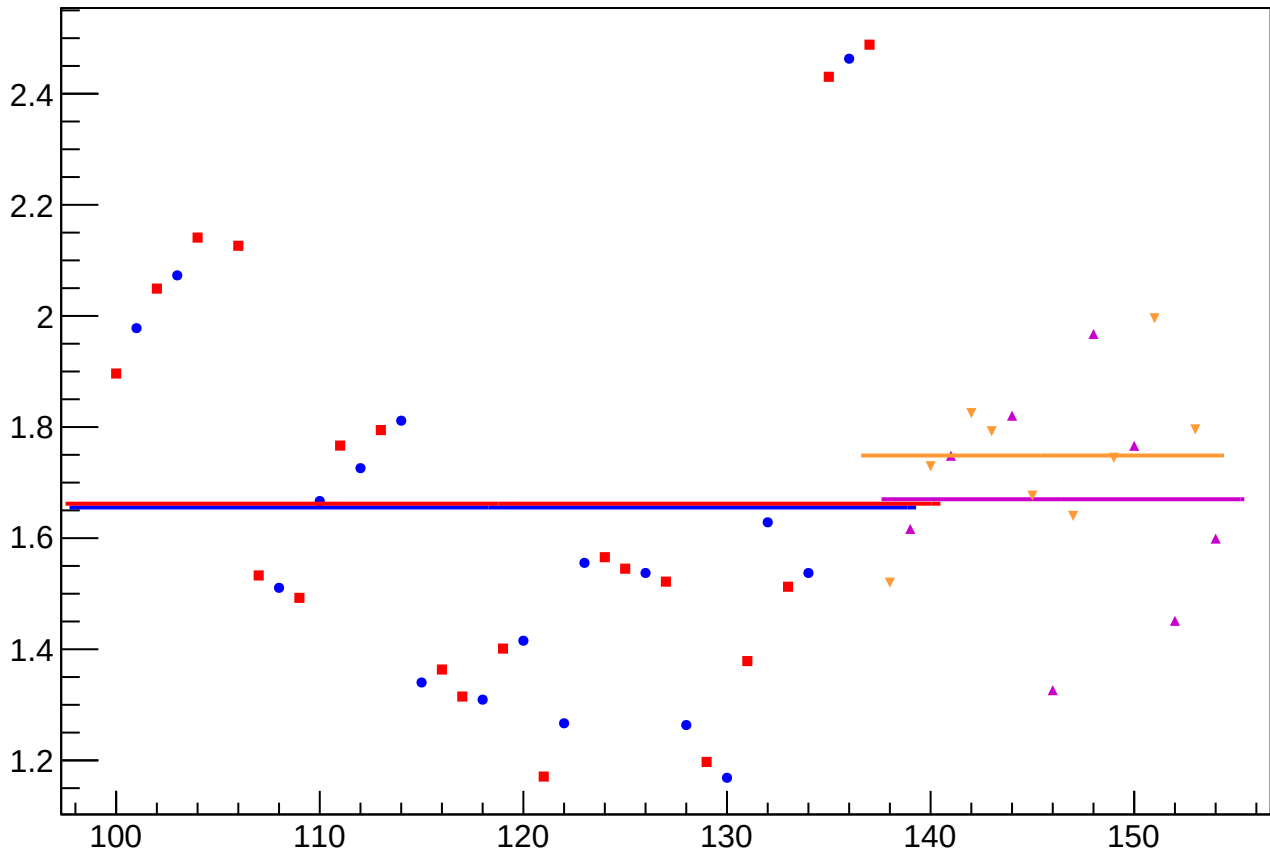
Right Out: 0.008+/-0.000 χ^2/NDF : 57613.2/19

Left In: 0.009+/-0.000 χ^2/NDF : 568656.7/7

0.009+/-0.000 χ^2/NDF : 688417.1/25

0.009+/-0.000 χ^2/NDF : 772338.6/27

yield_bpm0i02aX_mean vs Slug



Right In: 1.655 ± 0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.749 ± 0.000 χ^2/NDF : 858454712.3/8

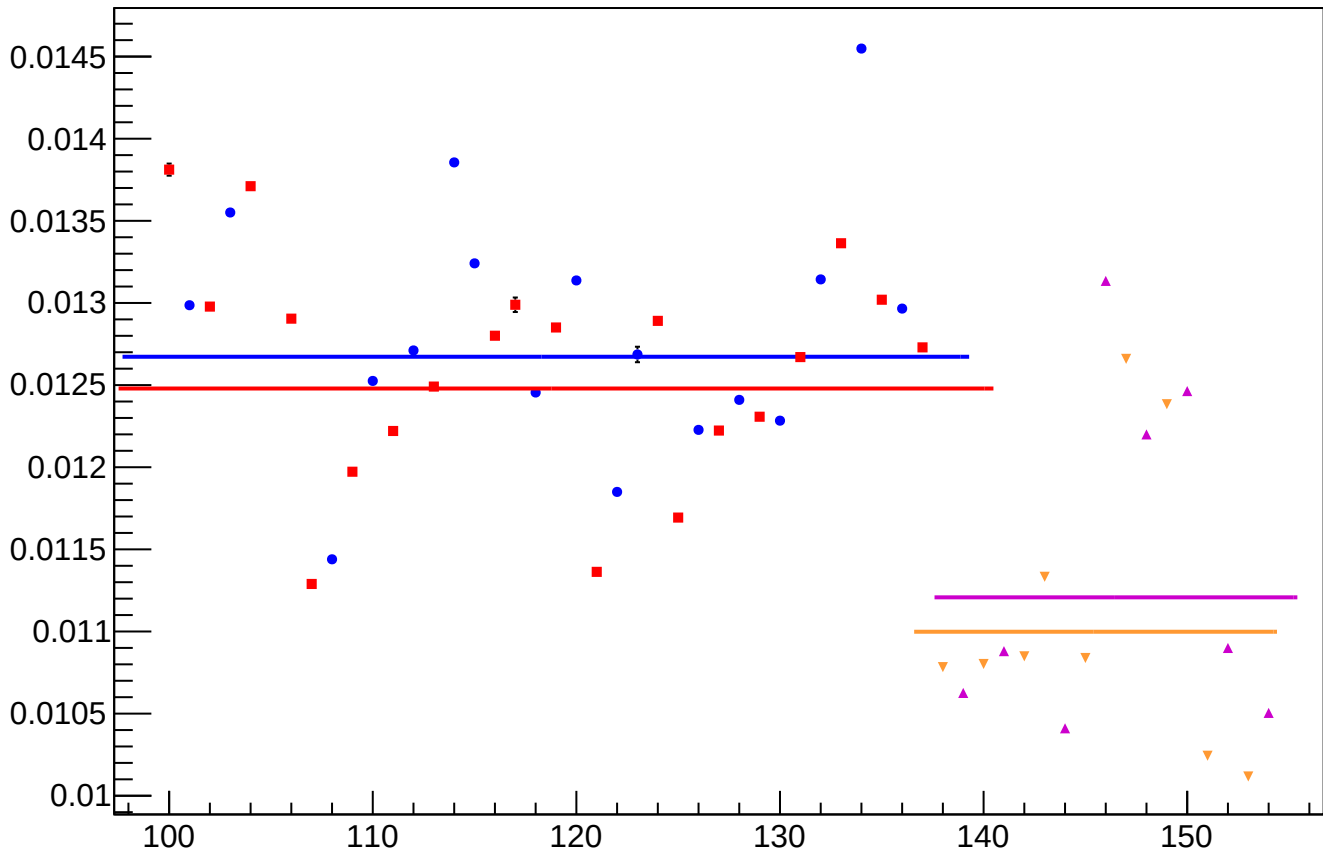
1.707 ± 0.000 χ^2/NDF : 7533446730.2/25

Right Out: 1.662 ± 0.000 χ^2/NDF : 5975345573.0/19

1.666 ± 0.000 χ^2/NDF : 7501380838.1/27

Left In: 1.670 ± 0.000 χ^2/NDF : 1524560912.6/7

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 : 65289.5/8

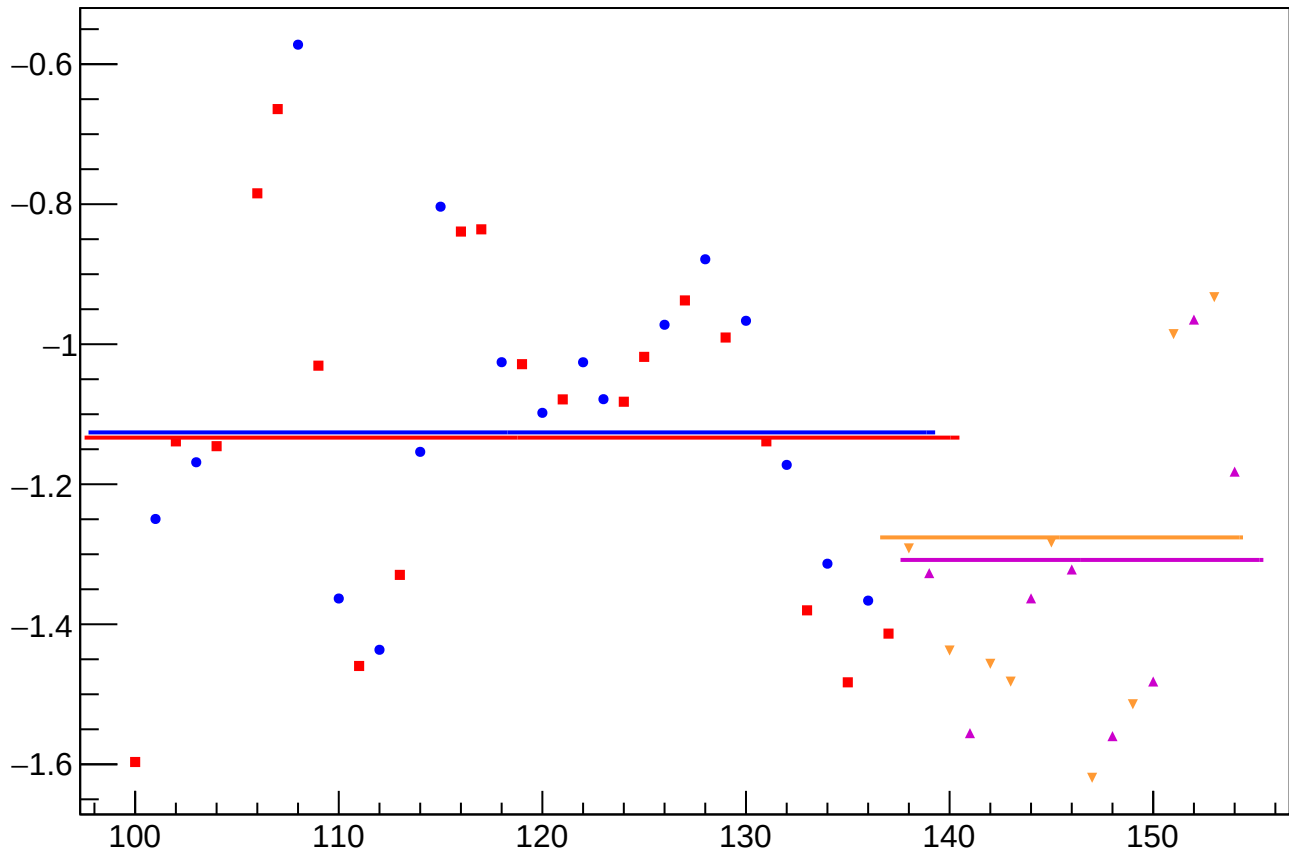
Right Out: 0.012+/-0.000 χ^2/NDF : 39268.9/19

Left In: 0.011+/-0.000 χ^2/NDF : 79450.3/7

0.012+/-0.000 χ^2/NDF : 224309.4/25

0.012+/-0.000 χ^2/NDF : 193614.6/27

yield_bpm0i02aY_mean vs Slug



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.276+/-0.000 χ^2/NDF : 4500698314.8/8

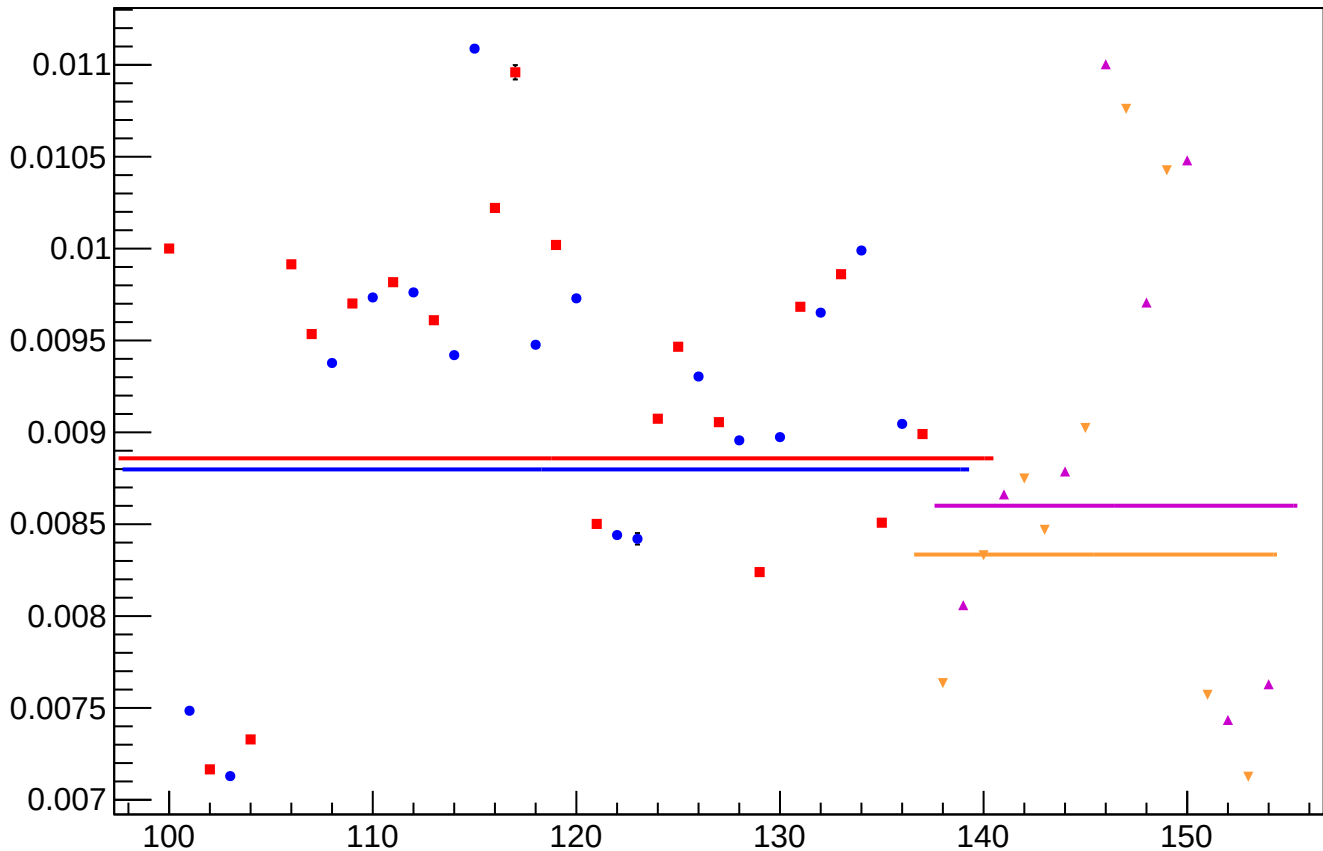
Right Out: -1.133+/-0.000 χ^2/NDF : 3706528266.7/19

Left In: -1.308+/-0.000 χ^2/NDF : 3236442885.1/7

-1.201+/-0.000 χ^2/NDF : 9004968749.1/25

-1.218+/-0.000 χ^2/NDF : 8189597773.1/27

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 151586.8/16

Left Out: 0.008+/-0.000 χ^2/NDF :195119.3/8

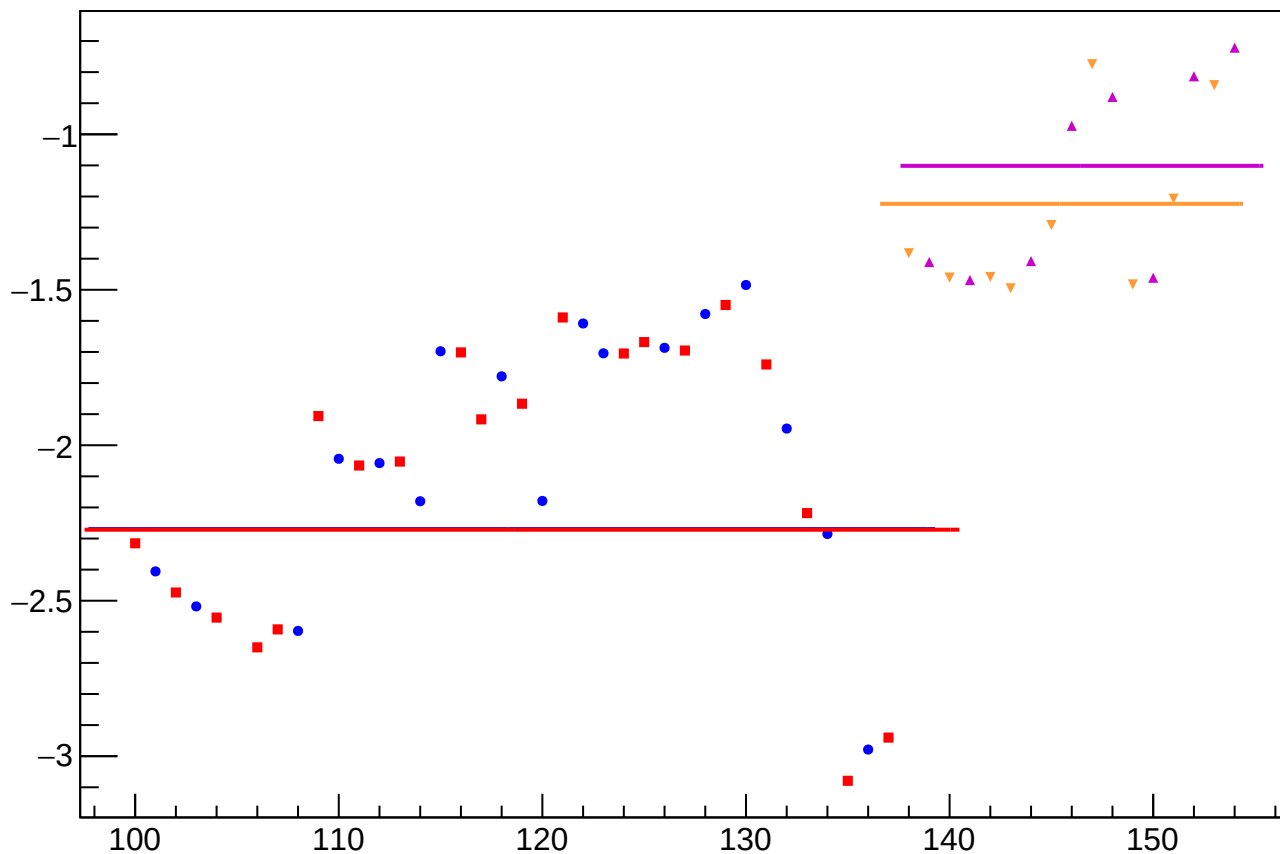
Right Out: 0.009+/-0.000 χ^2/NDF : 176858.0/19

Left In: 0.009+/-0.000 χ^2/NDF :194677.9/7

0.009+/-0.000 χ^2/NDF : 364447.8/25

0.009+/-0.000 χ^2/NDF : 376967.9/27

yield_bpm0i05X_mean vs Slug



Right In: -2.270+/-0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.224+/-0.000 χ^2/NDF : 8722247926.0/8

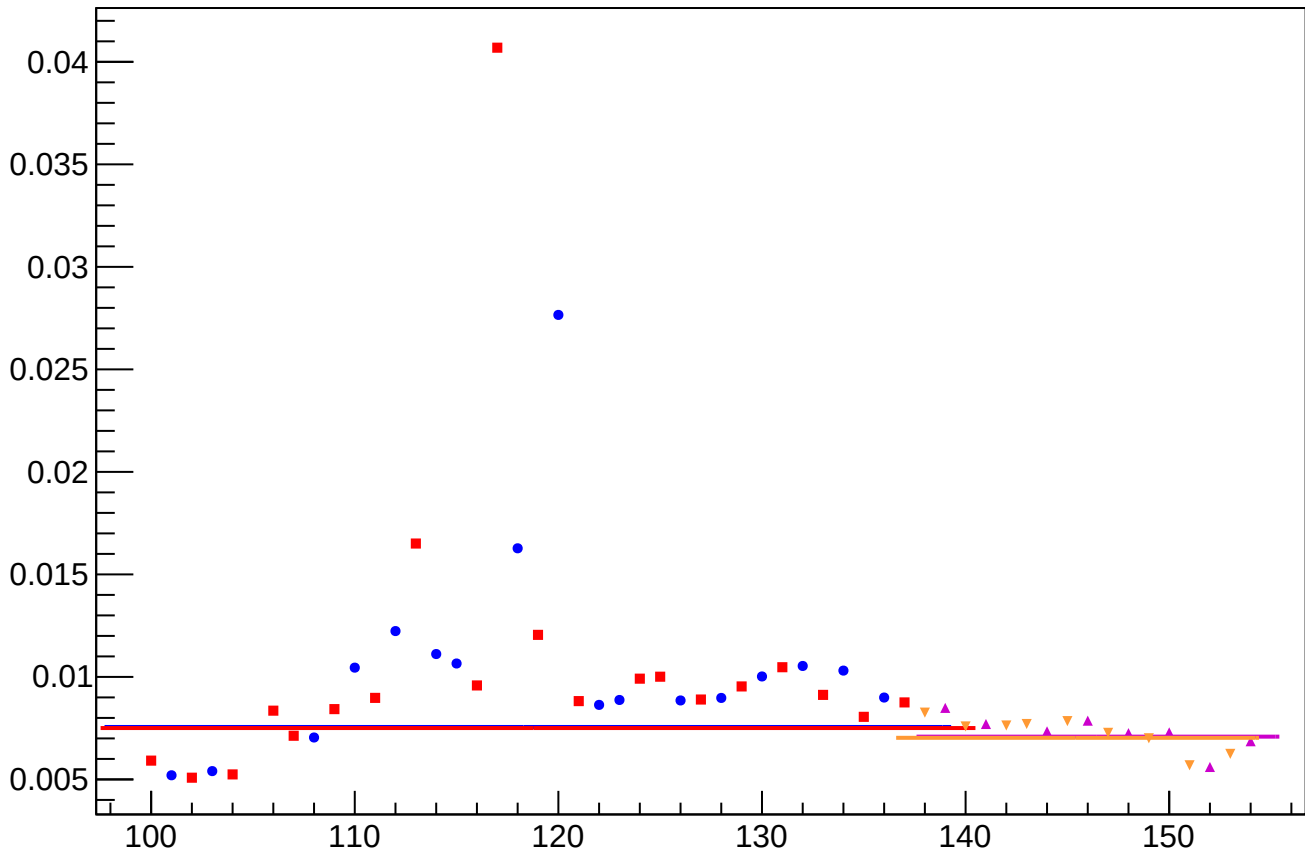
Right Out: -2.272+/-0.000 χ^2/NDF : 19012236430.2/19

Left In: -1.101+/-0.000 χ^2/NDF : 11344906781.2/7

-1.668+/-0.000 χ^2/NDF : 81619262334.0/25

-1.634+/-0.000 χ^2/NDF : 104711227952.7/27

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1221004.0/16

Left Out: 0.007+/-0.000 χ^2/NDF :164082.8/8

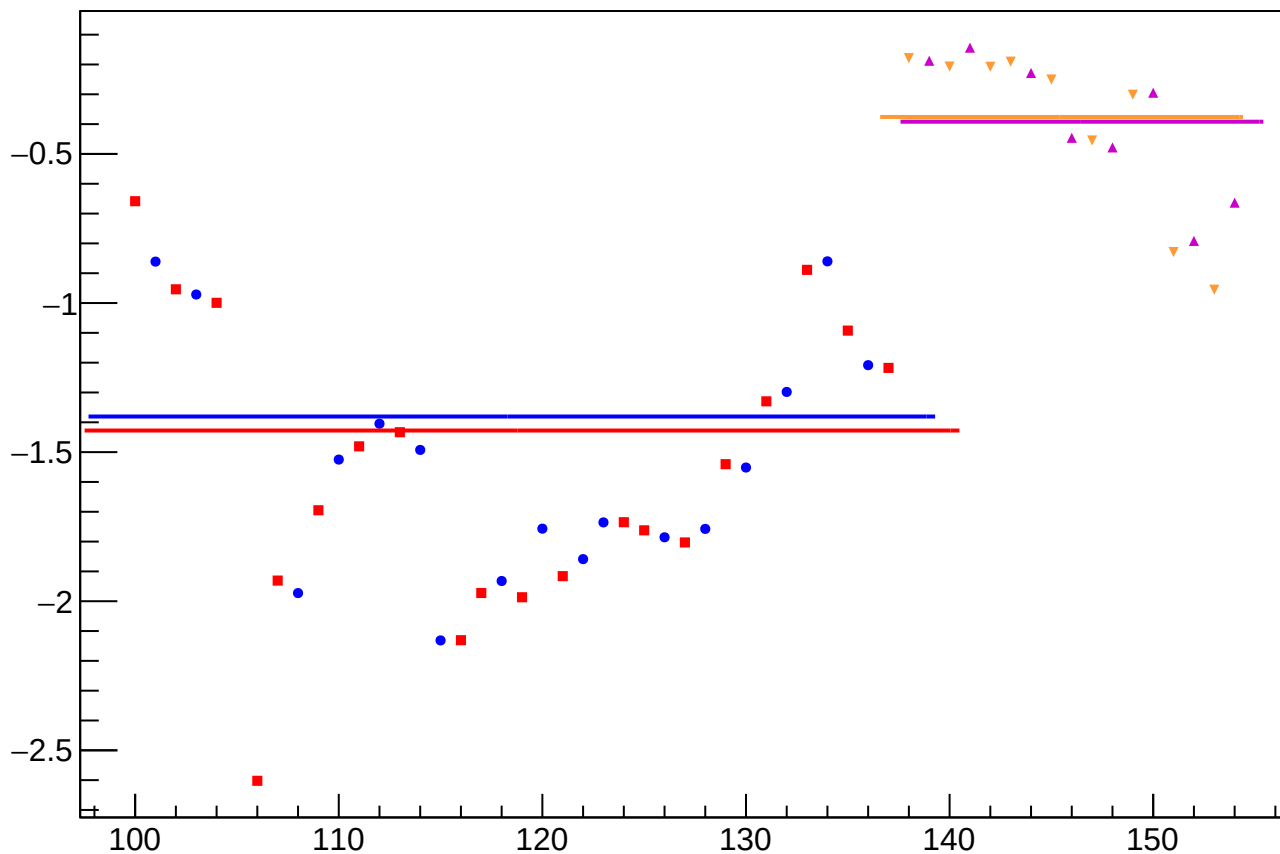
Right Out: 0.008+/-0.000 χ^2/NDF : 984811.6/19

Left In: 0.007+/-0.000 χ^2/NDF :171249.4/7

0.007+/-0.000 χ^2/NDF : 1413378.3/25

0.007+/-0.000 χ^2/NDF : 1175152.0/27

yield_bpm0i05Y_mean vs Slug



Right In: -1.381+/-0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.376+/-0.000 χ^2/NDF : 24031150975.0/8

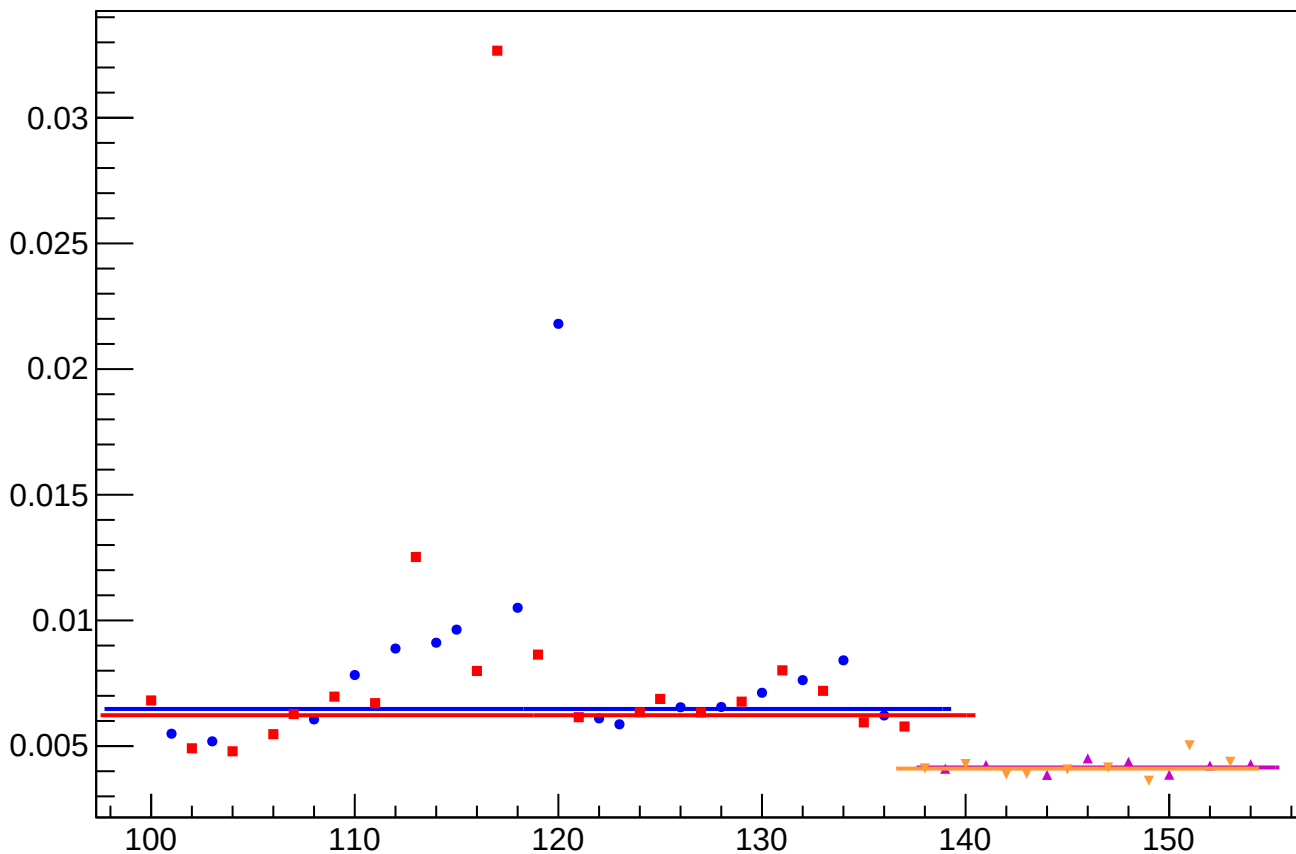
Right Out: -1.428+/-0.000 χ^2/NDF : 29626603581.6/19

Left In: -0.392+/-0.000 χ^2/NDF : 16229635207.7/7

-0.653+/-0.000 χ^2/NDF : 138936221182.9/25

-0.713+/-0.000 χ^2/NDF : 158320626250.4/27

yield_bpm0i05Y_rms vs Slug



Right In: 0.006 ± 0.000 $\chi^2/NDF: 572678.4/16$

Left Out: 0.004 ± 0.000 $\chi^2/NDF: 78960.5/8$

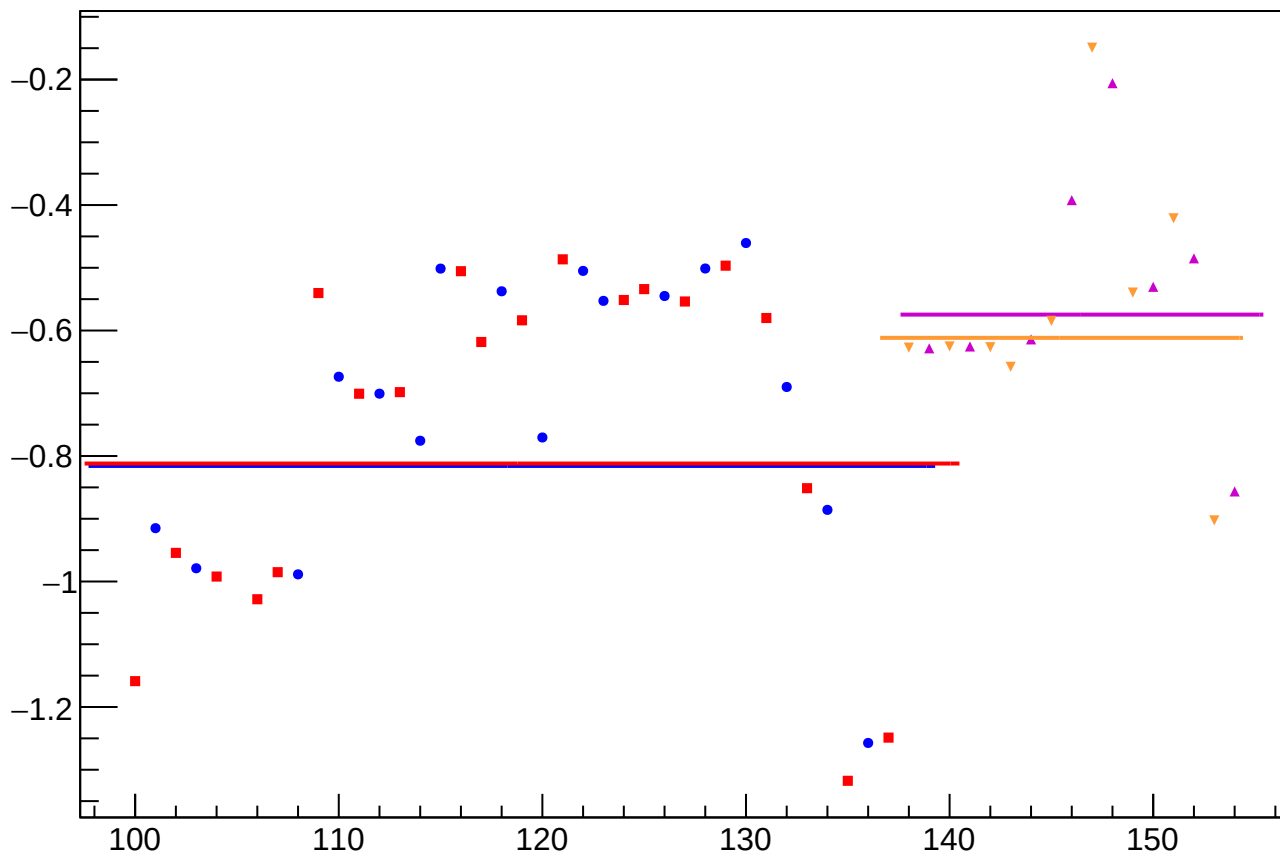
Right Out: 0.006 ± 0.000 $\chi^2/NDF: 472534.6/19$

Left In: 0.004 ± 0.000 $\chi^2/NDF: 32960.7/7$

0.005 ± 0.000 $\chi^2/NDF: 1710428.9/25$

0.005 ± 0.000 $\chi^2/NDF: 1411408.7/27$

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.612+/-0.000 χ^2/NDF : 10961909420.7/8

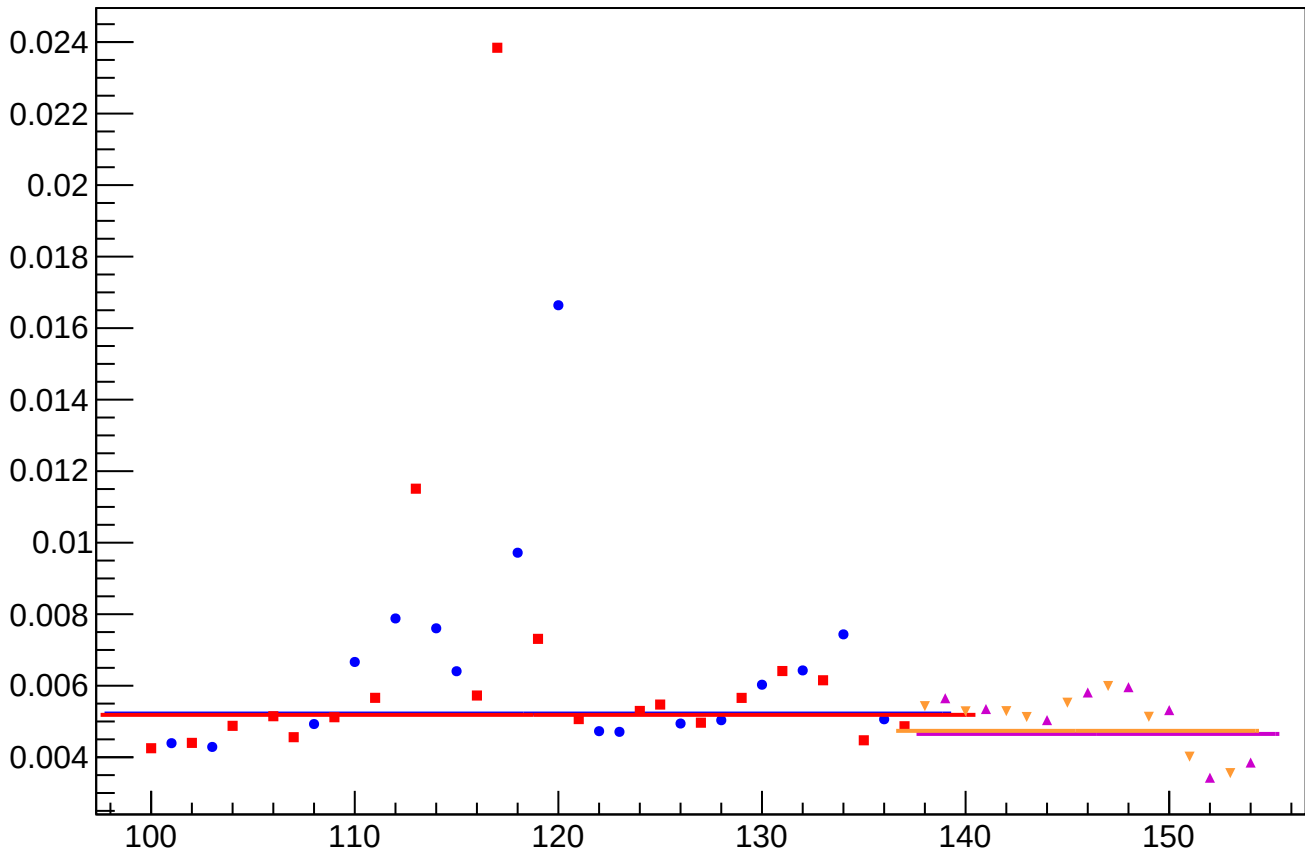
Right Out: -0.812+/-0.000 χ^2/NDF : 16818378599.3/19

Left In: -0.575+/-0.000 χ^2/NDF : 8478646309.5/7

-0.700+/-0.000 χ^2/NDF : 29767849663.2/25

-0.682+/-0.000 χ^2/NDF : 32131089980.8/27

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 : 360434.5/8

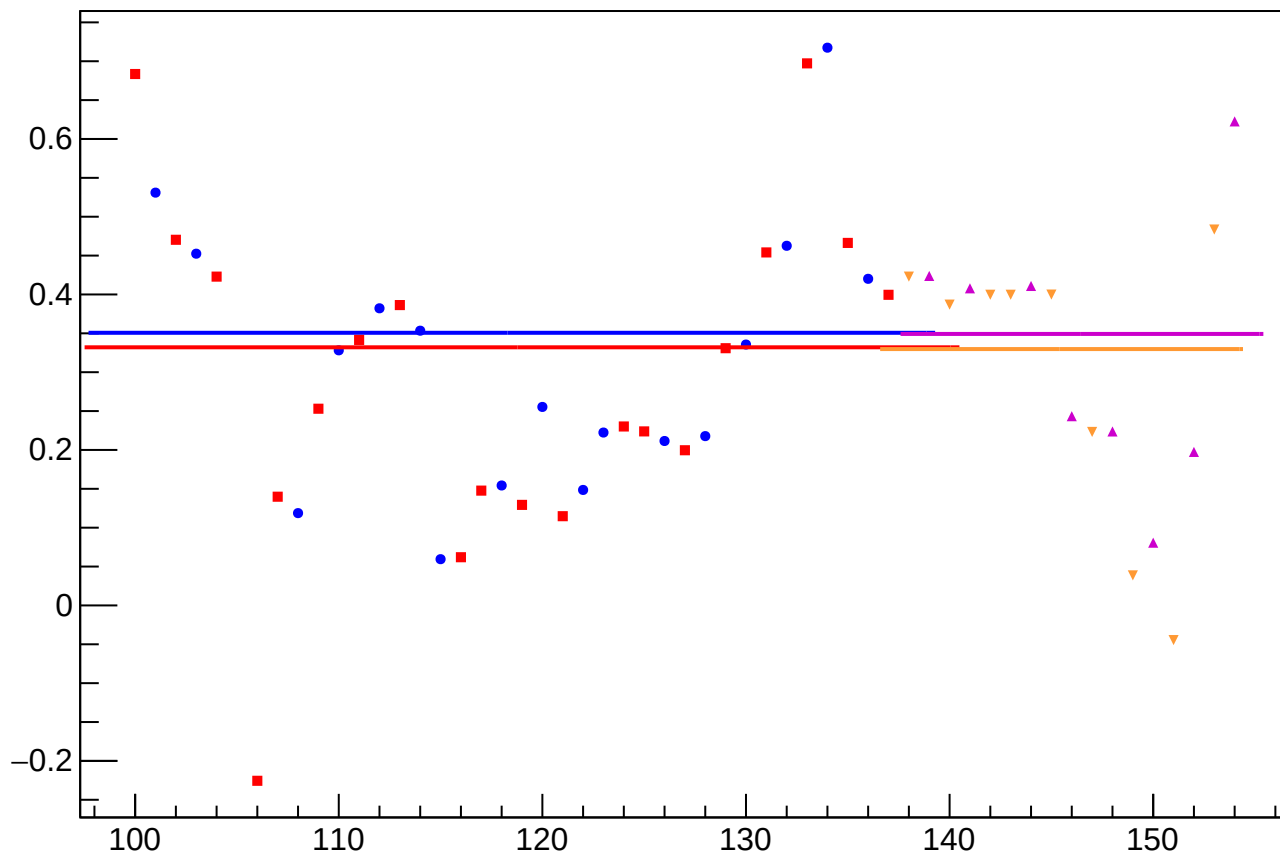
Right Out: 0.005+/-0.000 χ^2/NDF : 410640.5/19

Left In: 0.005+/-0.000 χ^2/NDF : 492543.2/7

0.005+/-0.000 χ^2/NDF : 1076881.2/25

0.005+/-0.000 χ^2/NDF : 972229.5/27

yield_bpm0i07Y_mean vs Slug



Right In: 0.351 ± 0.000 $\chi^2/\text{NDF}: 7410859446.3/16$

Left Out: 0.330 ± 0.000 $\chi^2/\text{NDF}: 11528154808.8/8$

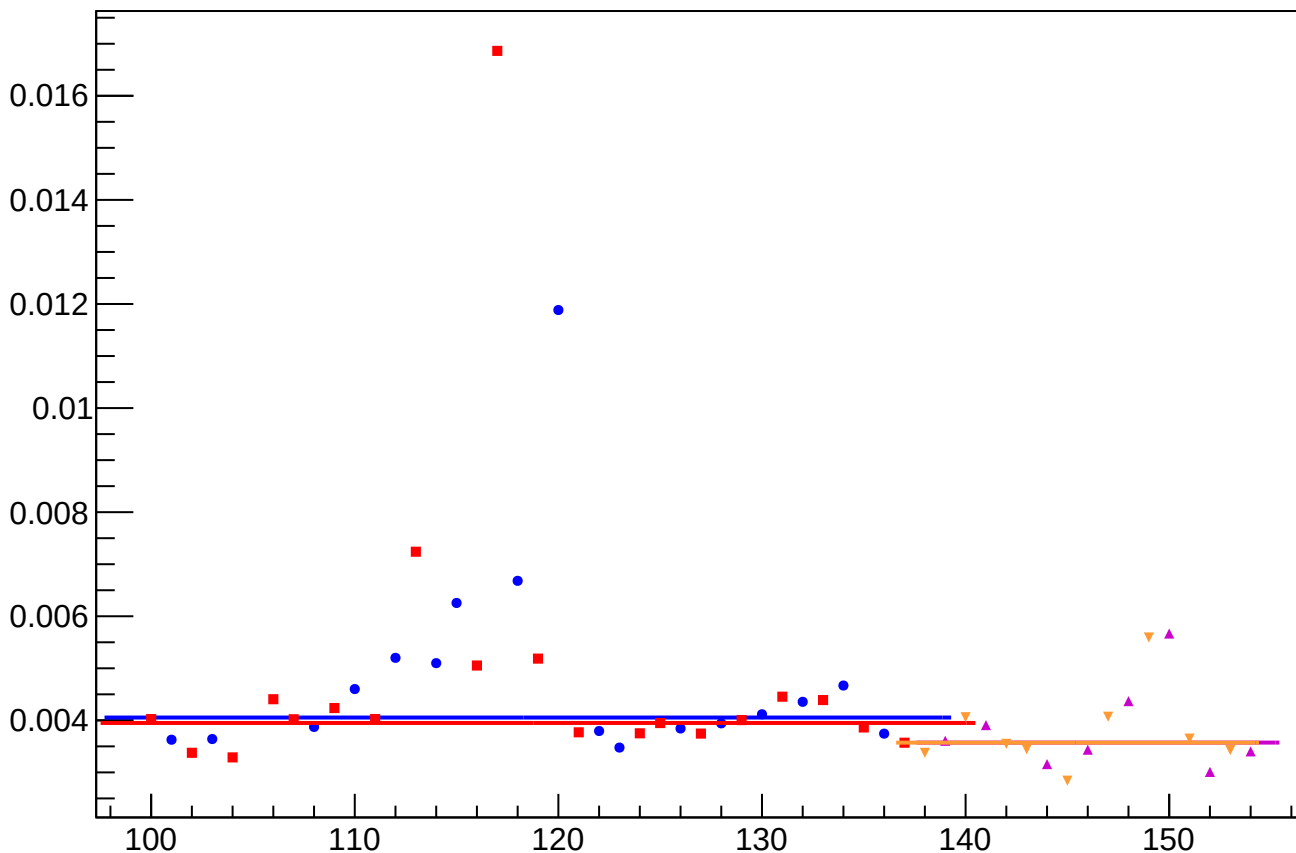
Right Out: 0.332 ± 0.000 $\chi^2/\text{NDF}: 11800695210.2/19$

Left In: 0.349 ± 0.000 $\chi^2/\text{NDF}: 10425198314.8/7$

0.339 ± 0.000 $\chi^2/\text{NDF}: 19022074978.3/25$

0.341 ± 0.000 $\chi^2/\text{NDF}: 22286399258.1/27$

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 :313883.5/8

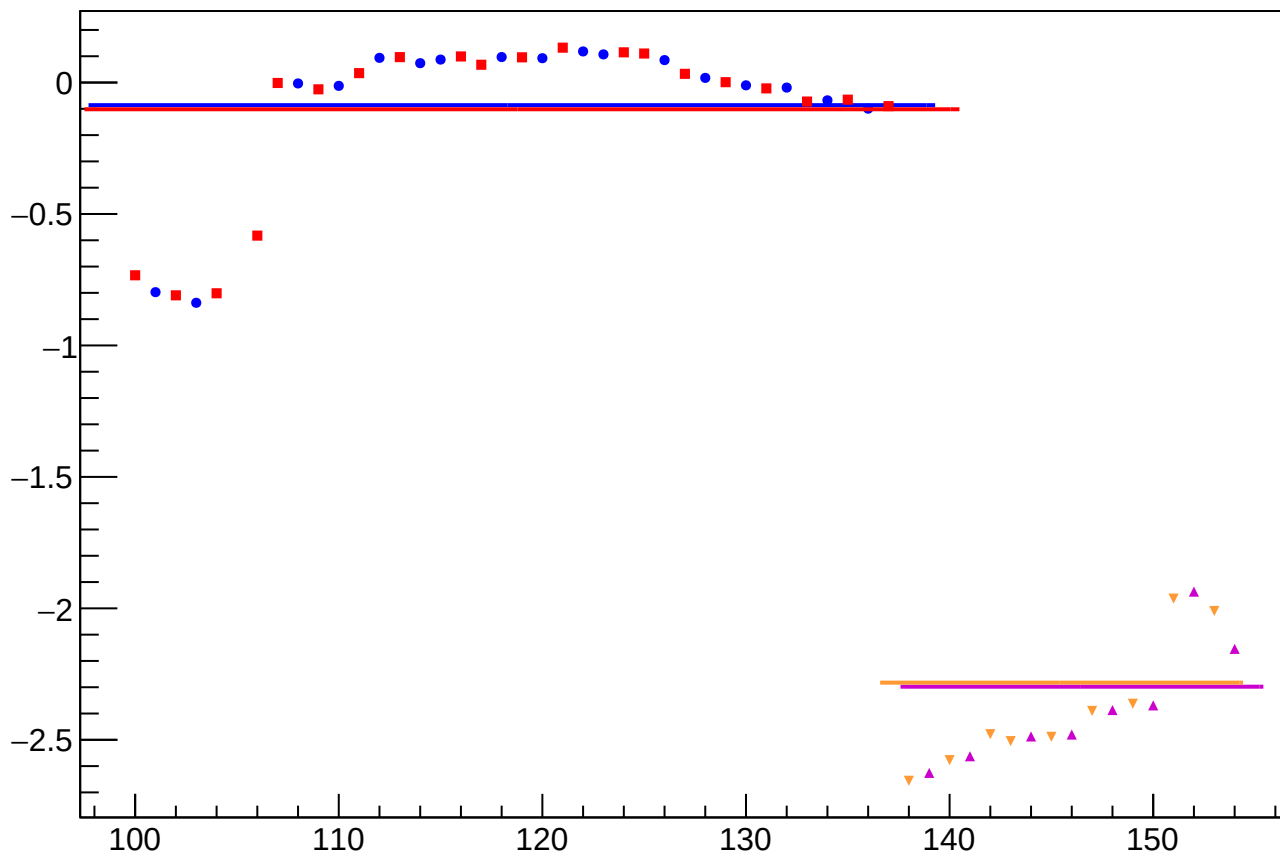
Right Out: 0.004+/-0.000 χ^2/NDF : 304954.7/19

Left In: 0.004+/-0.000 χ^2/NDF :343497.4/7

0.004+/-0.000 χ^2/NDF : 857370.4/25

0.004+/-0.000 χ^2/NDF : 706620.3/27

yield_bpm1i02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.282+/-0.000 χ^2/NDF : 2986834843.8/8

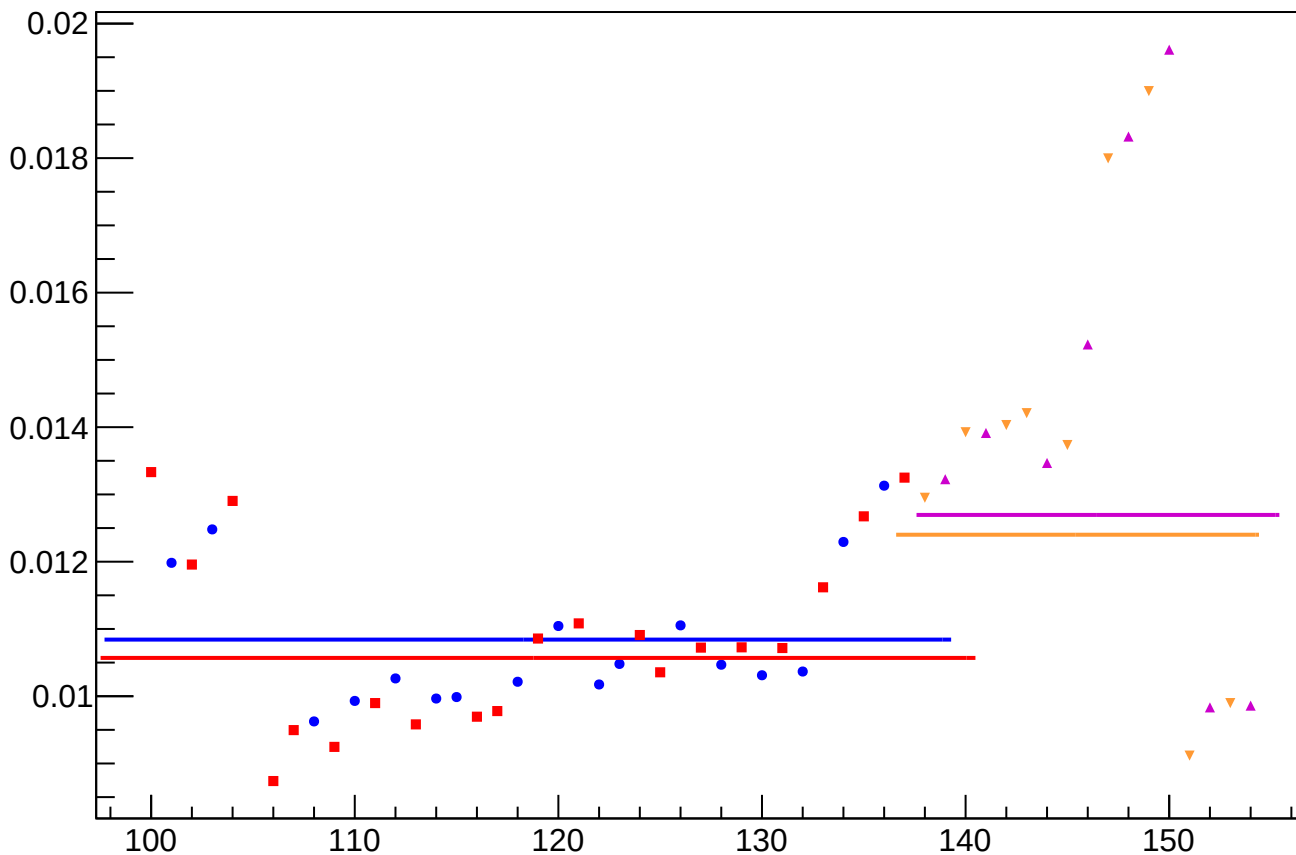
Right Out: -0.102+/-0.000 χ^2/NDF : 5566142794.2/19

Left In: -2.298+/-0.000 χ^2/NDF : 2324283675.9/7

-0.998+/-0.000 χ^2/NDF : 121067821657.8/25

-0.929+/-0.000 χ^2/NDF : 122630953198.4/27

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.012+/-0.000 χ^2/NDF : 717835.9/8

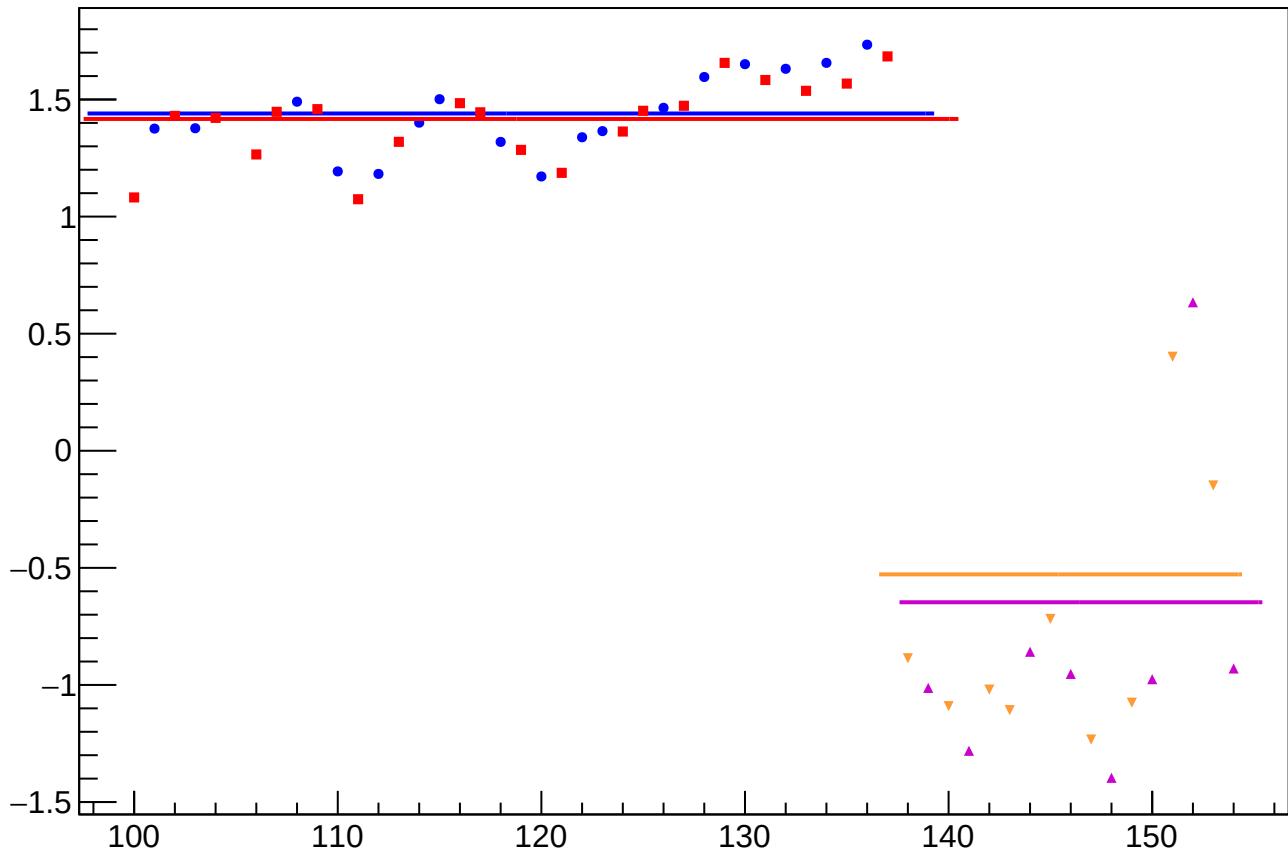
Right Out: 0.011+/-0.000 χ^2/NDF : 179537.7/19

Left In: 0.013+/-0.000 χ^2/NDF : 709216.2/7

0.011+/-0.000 χ^2/NDF : 956070.0/25

0.011+/-0.000 χ^2/NDF : 1103764.6/27

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.528 $\pm$ 0.000 χ^2 /NDF: 25953512294.3/8

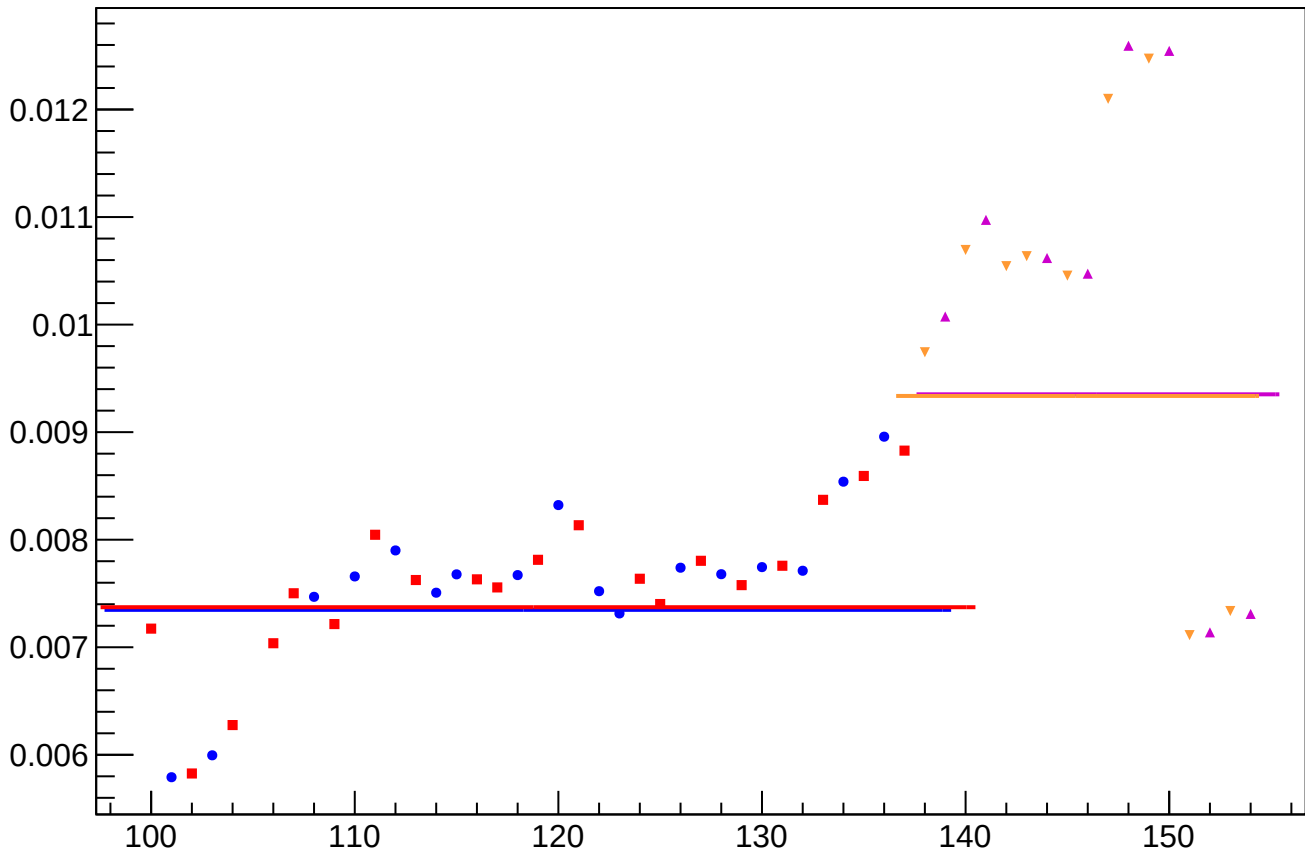
Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674679406.4/19

Left In: -0.647 $\pm$ 0.000 χ^2 /NDF: 36030618785.0/7

0.711 $\pm$ 0.000 χ^2 /NDF: 204683911111.5/25

0.687 $\pm$ 0.000 χ^2 /NDF: 234418369645.4/27

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 228163.6/16

Left Out: 0.009+/-0.000 χ^2/NDF :528934.1/8

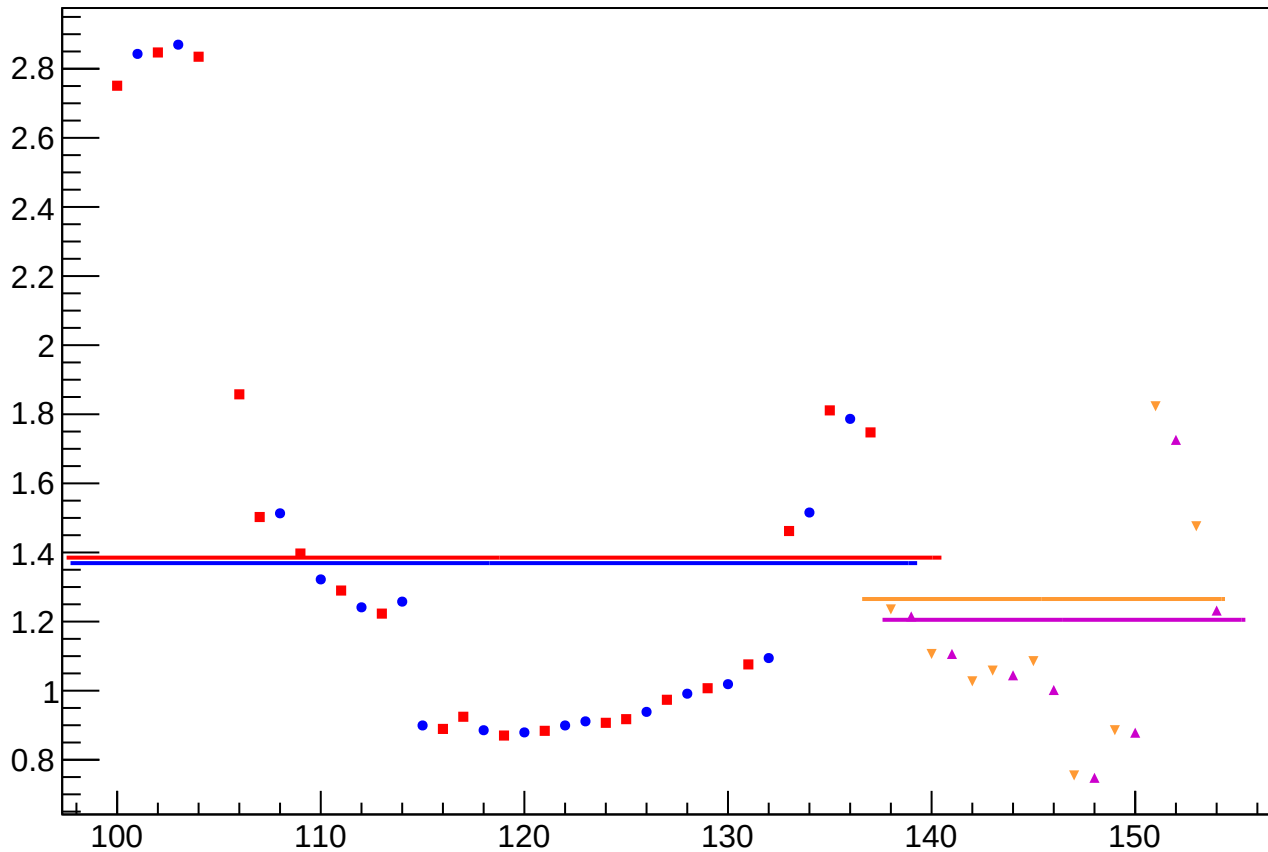
Right Out: 0.007+/-0.000 χ^2/NDF : 172741.0/19

Left In: 0.009+/-0.000 χ^2/NDF :594781.3/7

0.008+/-0.000 χ^2/NDF : 1115080.3/25

0.008+/-0.000 χ^2/NDF : 1127588.0/27

yield_bpm1i04X_mean vs Slug



Right In: 1.369+/-0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.265+/-0.000 χ^2/NDF : 8697653129.1/8

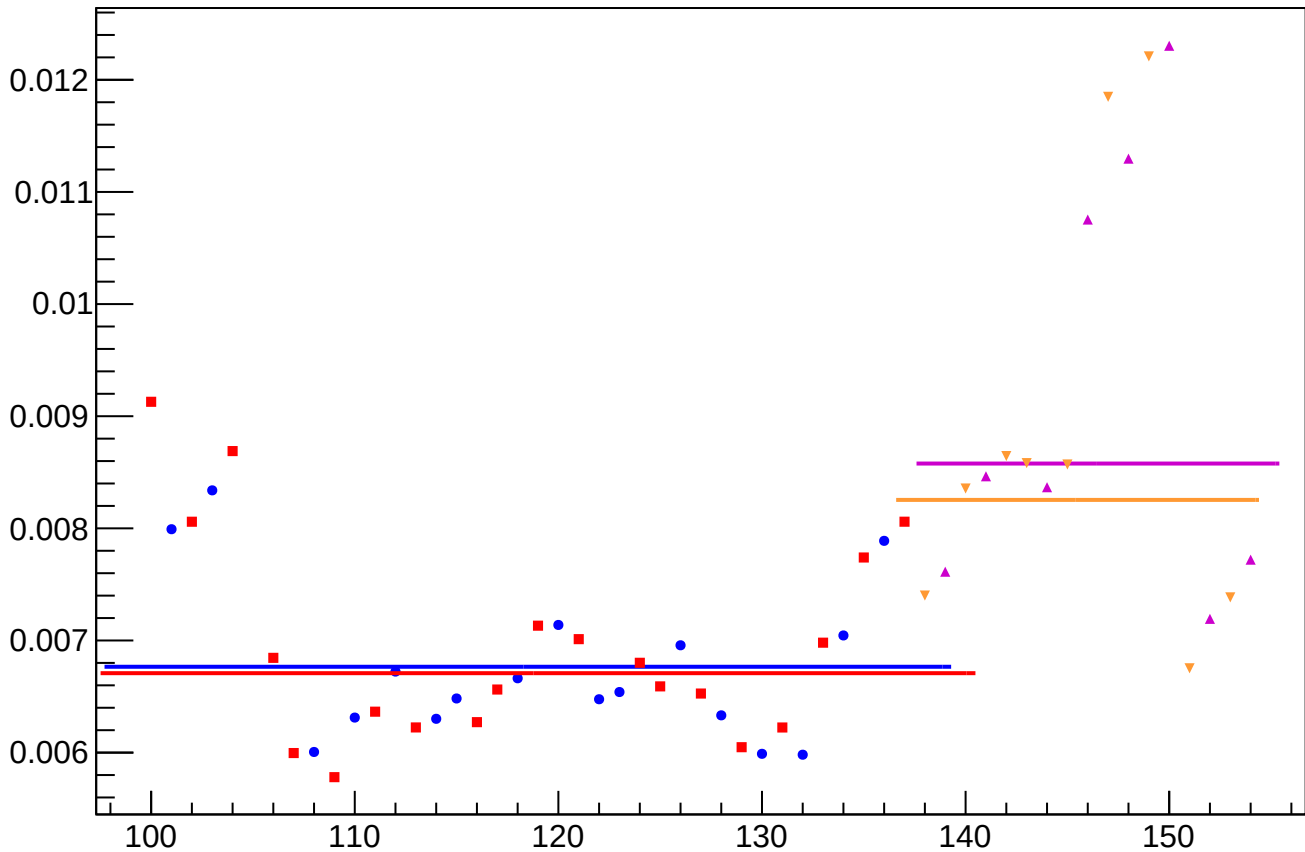
1.330+/-0.000 χ^2/NDF : 63494561077.9/25

Right Out: 1.385+/-0.000 χ^2/NDF : 50114562617.6/19

1.323+/-0.000 χ^2/NDF : 58664021747.5/27

Left In: 1.205+/-0.000 χ^2/NDF : 6800344875.7/7

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 159554.9/16

Left Out: 0.008+/-0.000 χ^2/NDF : 398399.4/8

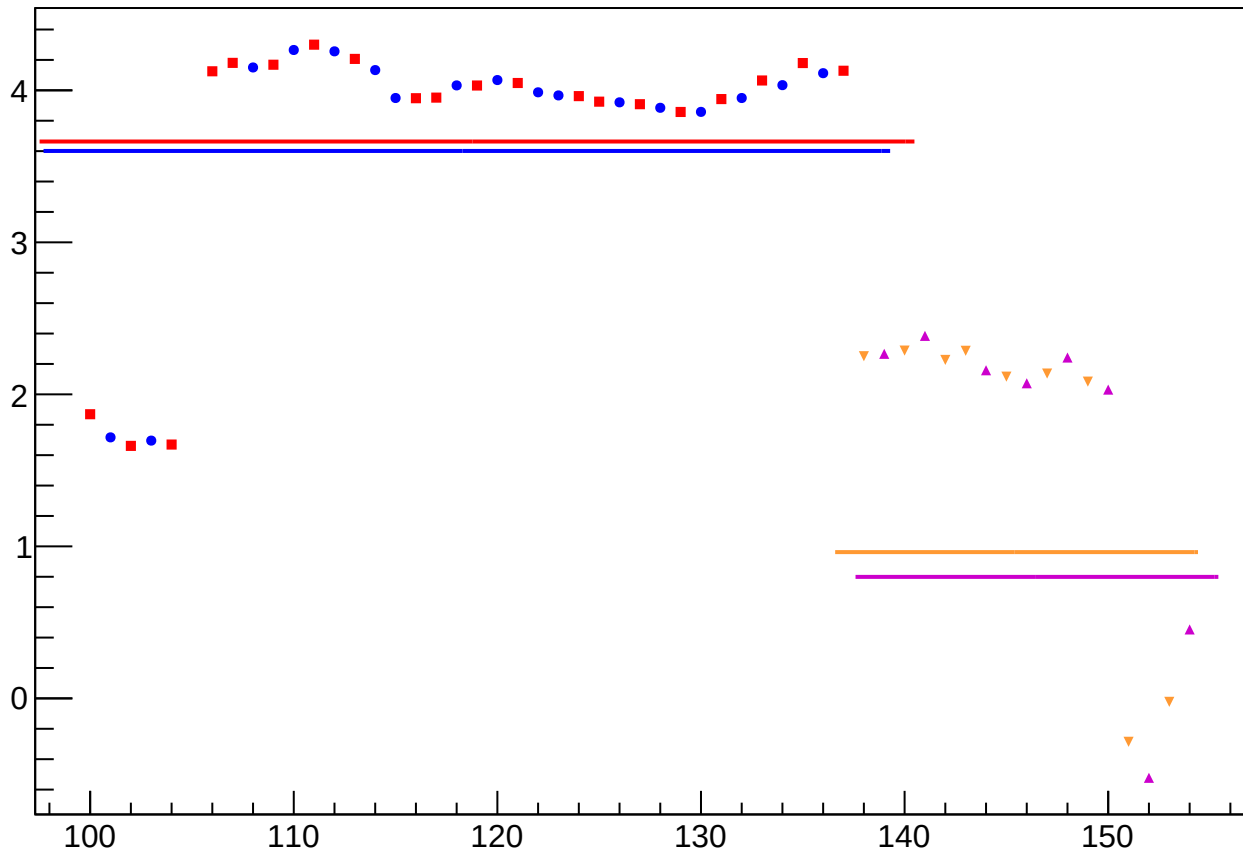
Right Out: 0.007+/-0.000 χ^2/NDF : 187869.7/19

Left In: 0.009+/-0.000 χ^2/NDF : 397105.3/7

0.007+/-0.000 χ^2/NDF : 800728.0/25

0.007+/-0.000 χ^2/NDF : 962664.0/27

yield_bpm1i04Y_mean vs Slug



Right In: 3.601+/-0.000 χ^2/NDF : 185806937655.3/16

Left Out: 0.962+/-0.000 χ^2/NDF : 221487034931.1/8

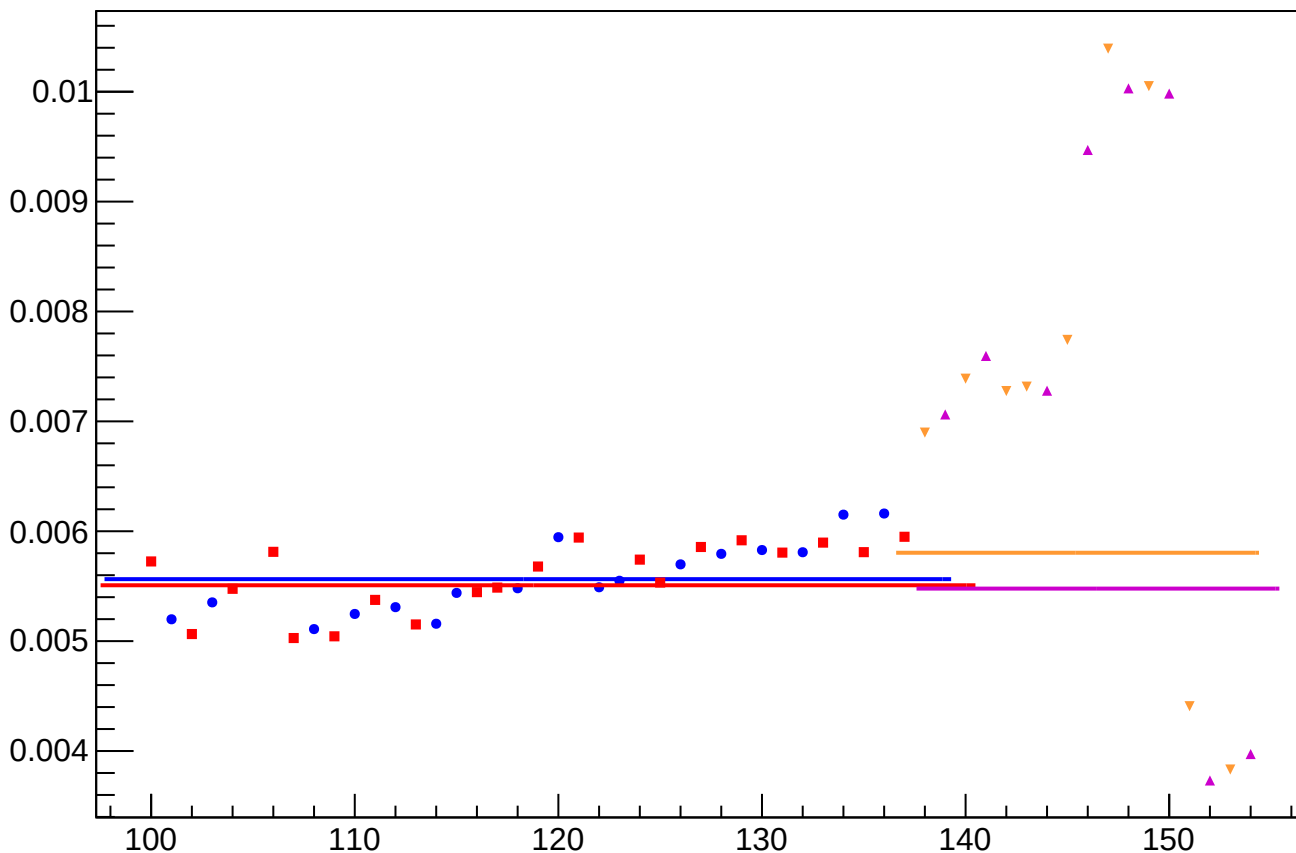
2.472+/-0.000 χ^2/NDF : 1050603267785.5/25

Right Out: 3.663+/-0.000 χ^2/NDF : 192640409625.9/19

2.421+/-0.000 χ^2/NDF : 1254312892084.7/27

Left In: 0.799+/-0.000 χ^2/NDF : 241096647087.2/7

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 47588.2/16

Left Out: 0.006+/-0.000 χ^2/NDF :1353448.7/8

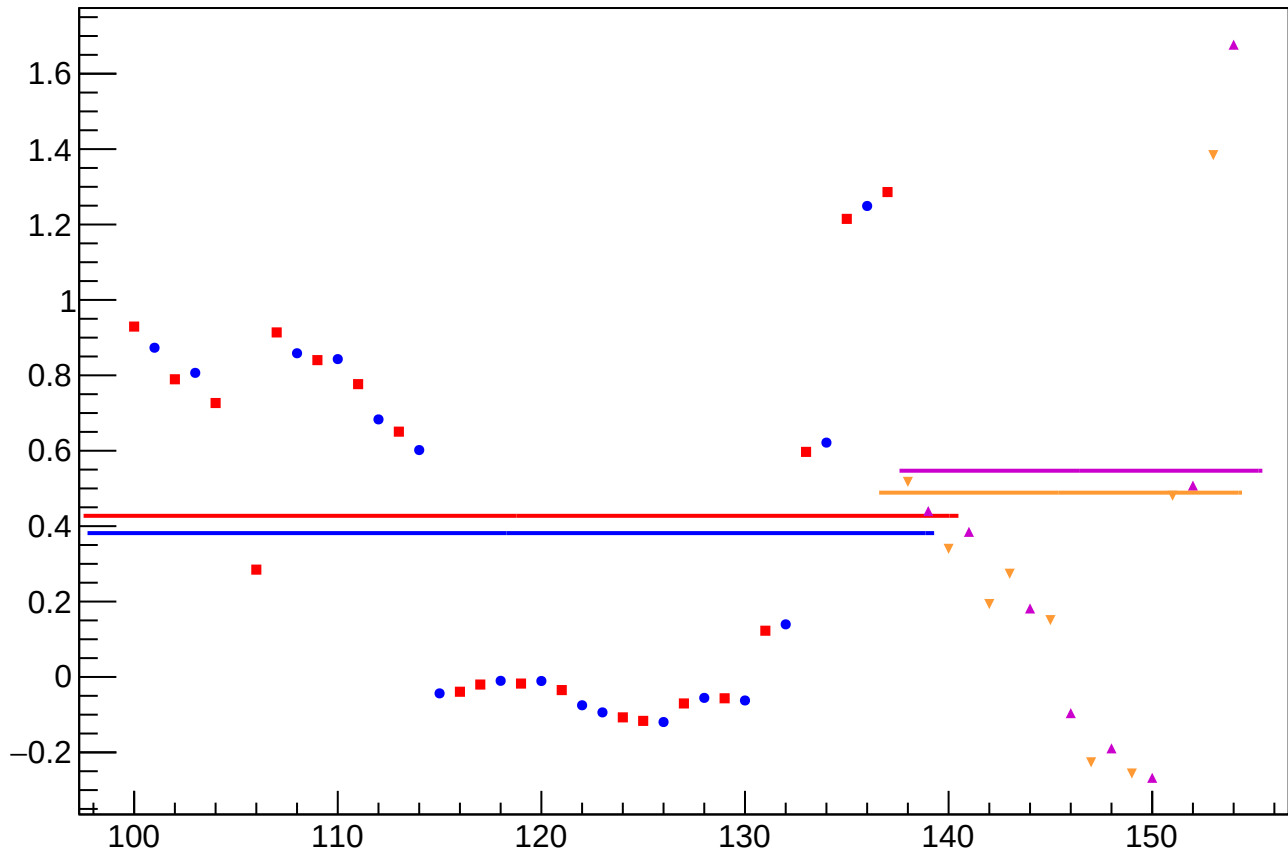
Right Out: 0.006+/-0.000 χ^2/NDF : 52636.1/19

Left In: 0.005+/-0.000 χ^2/NDF :1753090.1/7

0.006+/-0.000 χ^2/NDF : 1411706.5/25

0.005+/-0.000 χ^2/NDF : 1805910.2/27

yield_bpm1i06X_mean vs Slug



Right In: 0.382+/-0.000 χ^2/NDF : 7124759123.1/16

Left Out: 0.489+/-0.000 χ^2/NDF : 9194438484.3/8

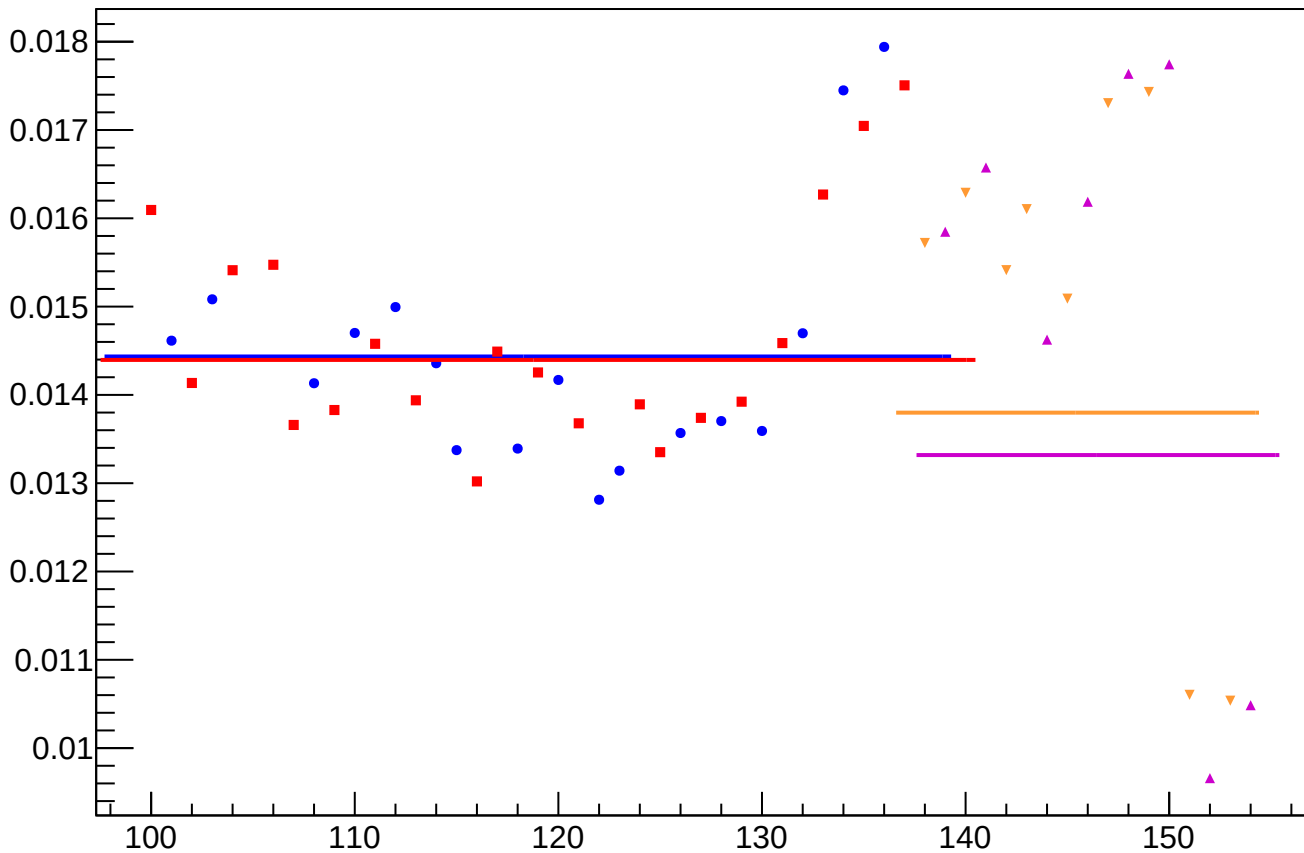
Right Out: 0.427+/-0.000 χ^2/NDF : 6716521382.4/19

Left In: 0.547+/-0.000 χ^2/NDF : 14800808505.2/7

0.436+/-0.000 χ^2/NDF : 16504139545.8/25

0.488+/-0.000 χ^2/NDF : 21760799798.7/27

yield_bpm1i06X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 110224.4/16

Left Out: 0.014+/-0.000 χ^2/NDF : 524941.4/8

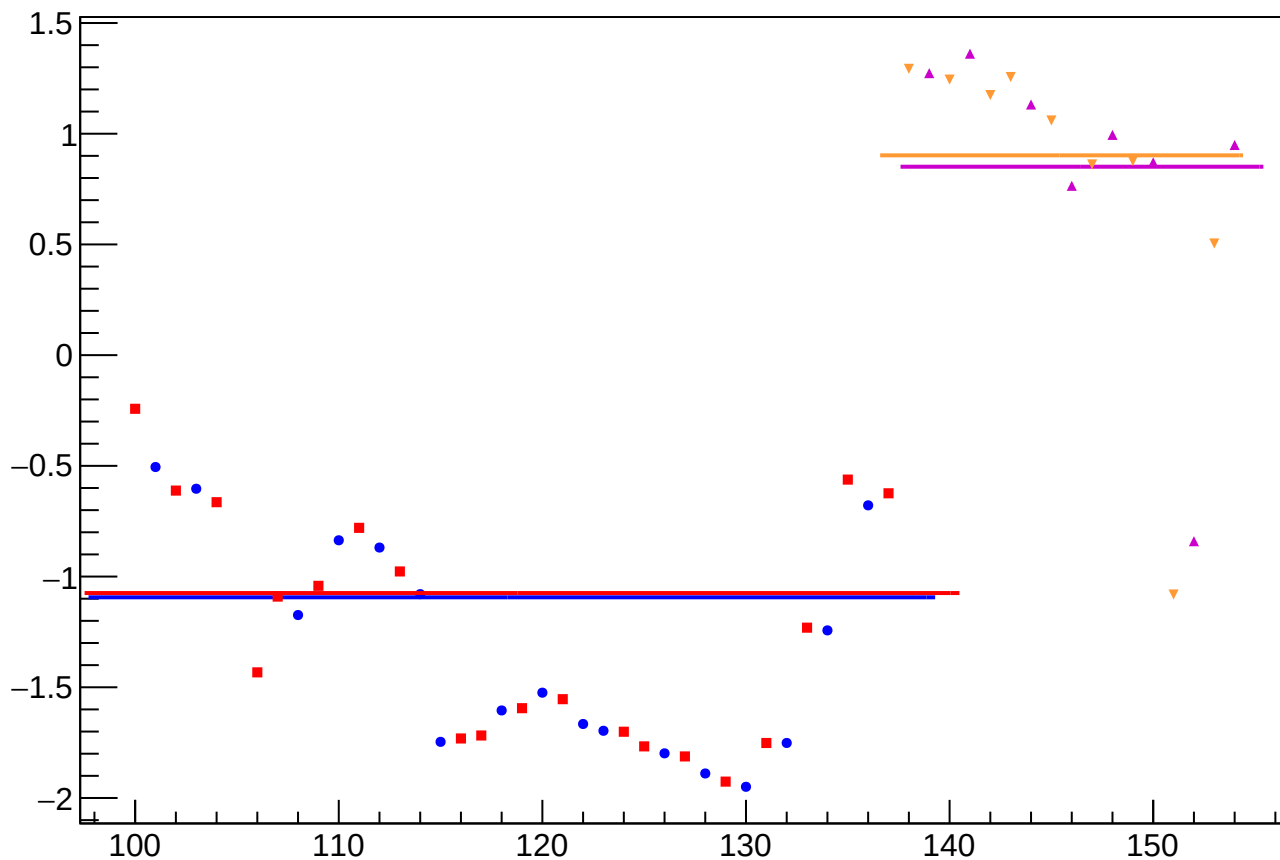
Right Out: 0.014+/-0.000 χ^2/NDF : 74535.1/19

Left In: 0.013+/-0.000 χ^2/NDF : 720662.9/7

0.014+/-0.000 χ^2/NDF : 648157.6/25

0.014+/-0.000 χ^2/NDF : 834710.5/27

yield_bpm1i06Y_mean vs Slug



Right In: -1.094+/-0.000 χ^2/NDF : 55960104370.4/16

Left Out: 0.902+/-0.000 χ^2/NDF :116120864689.6/8

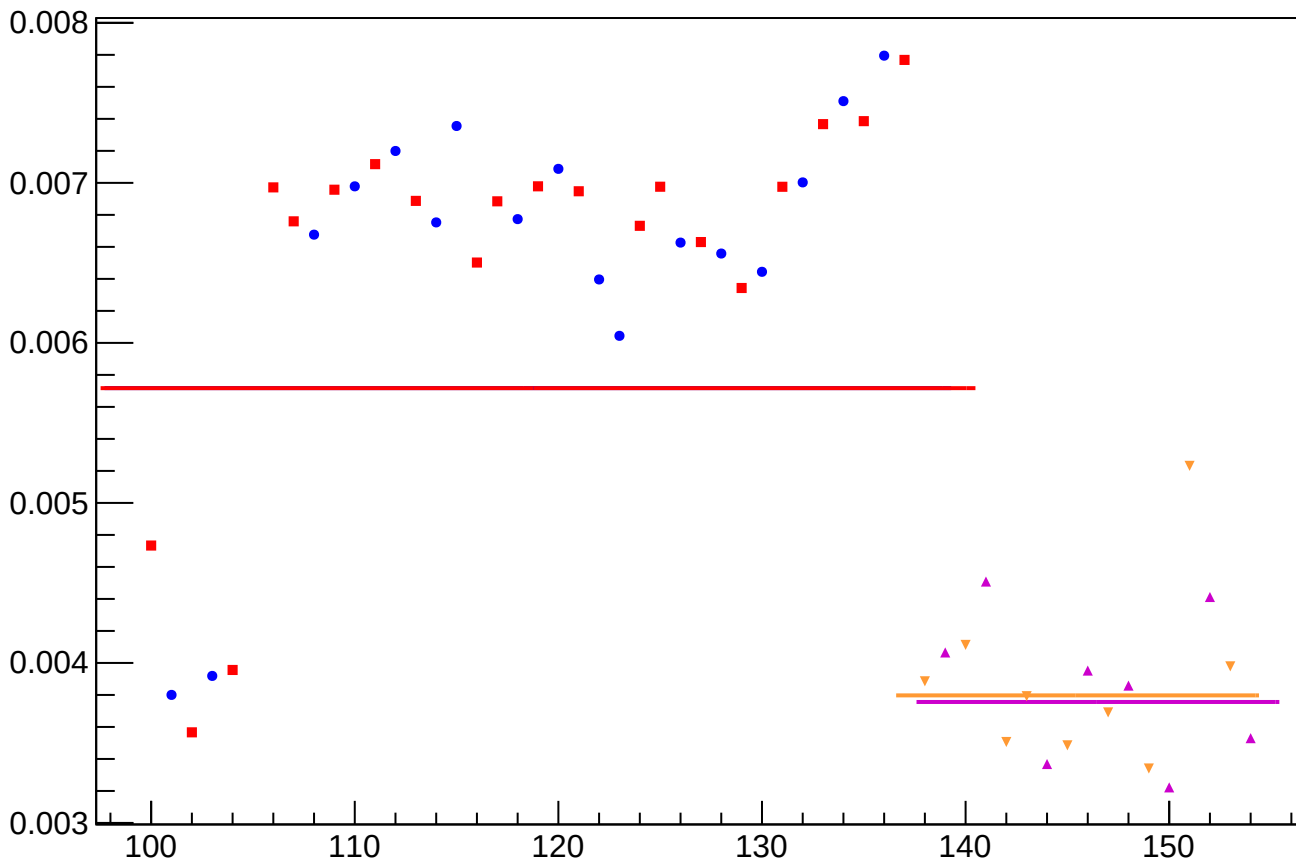
Right Out: -1.074+/-0.000 χ^2/NDF : 47208439320.8/19

Left In: 0.851+/-0.000 χ^2/NDF :138440350291.5/7

0.275+/-0.000 χ^2/NDF : 668418528456.2/25

0.237+/-0.000 χ^2/NDF : 664393570718.8/27

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 :145983.4/8

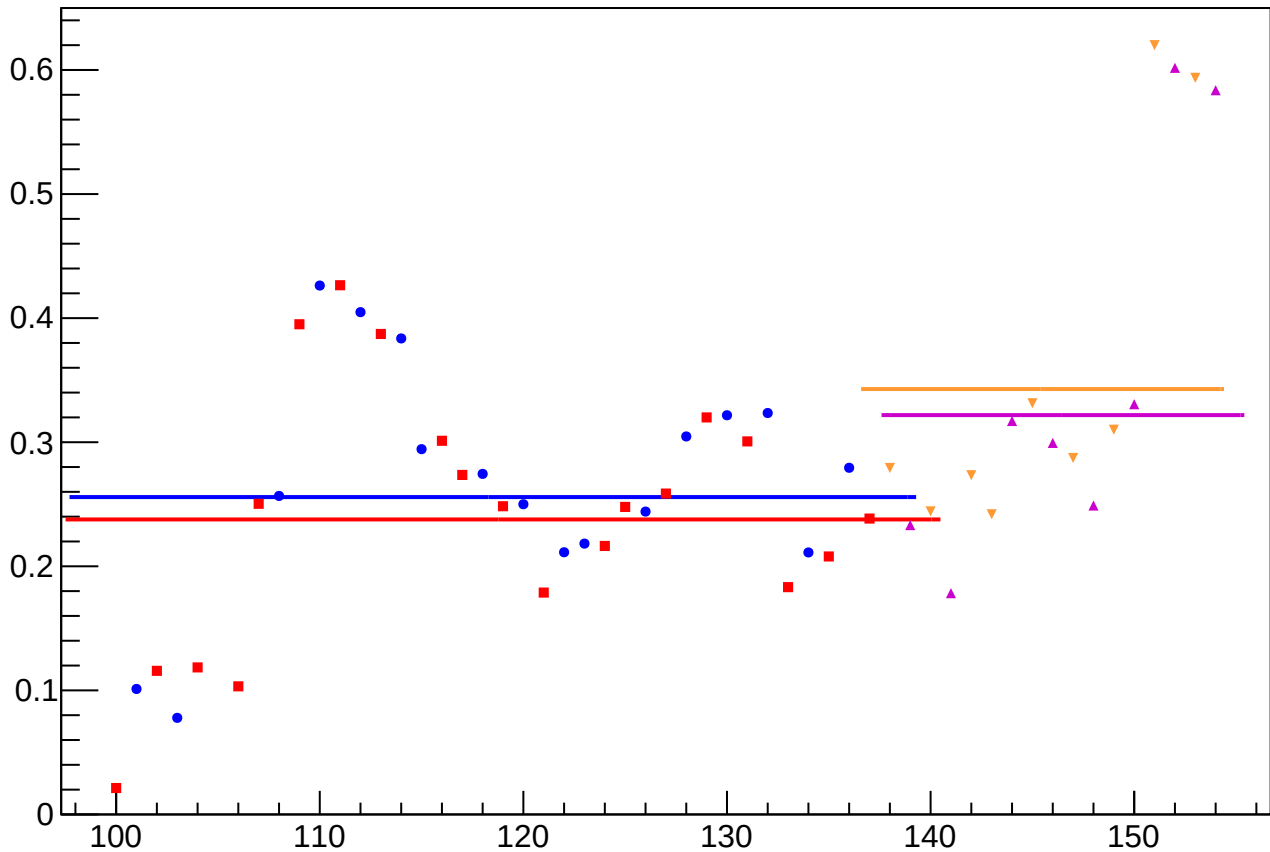
Right Out: 0.006+/-0.000 χ^2/NDF : 925957.4/19

Left In: 0.004+/-0.000 χ^2/NDF :158157.4/7

0.004+/-0.000 χ^2/NDF : 1902491.0/25

0.004+/-0.000 χ^2/NDF : 2077425.0/27

yield_bpm2i01X_mean vs Slug



Right In: 0.256+/-0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.343+/-0.000 χ^2/NDF : 37134038325.6/8

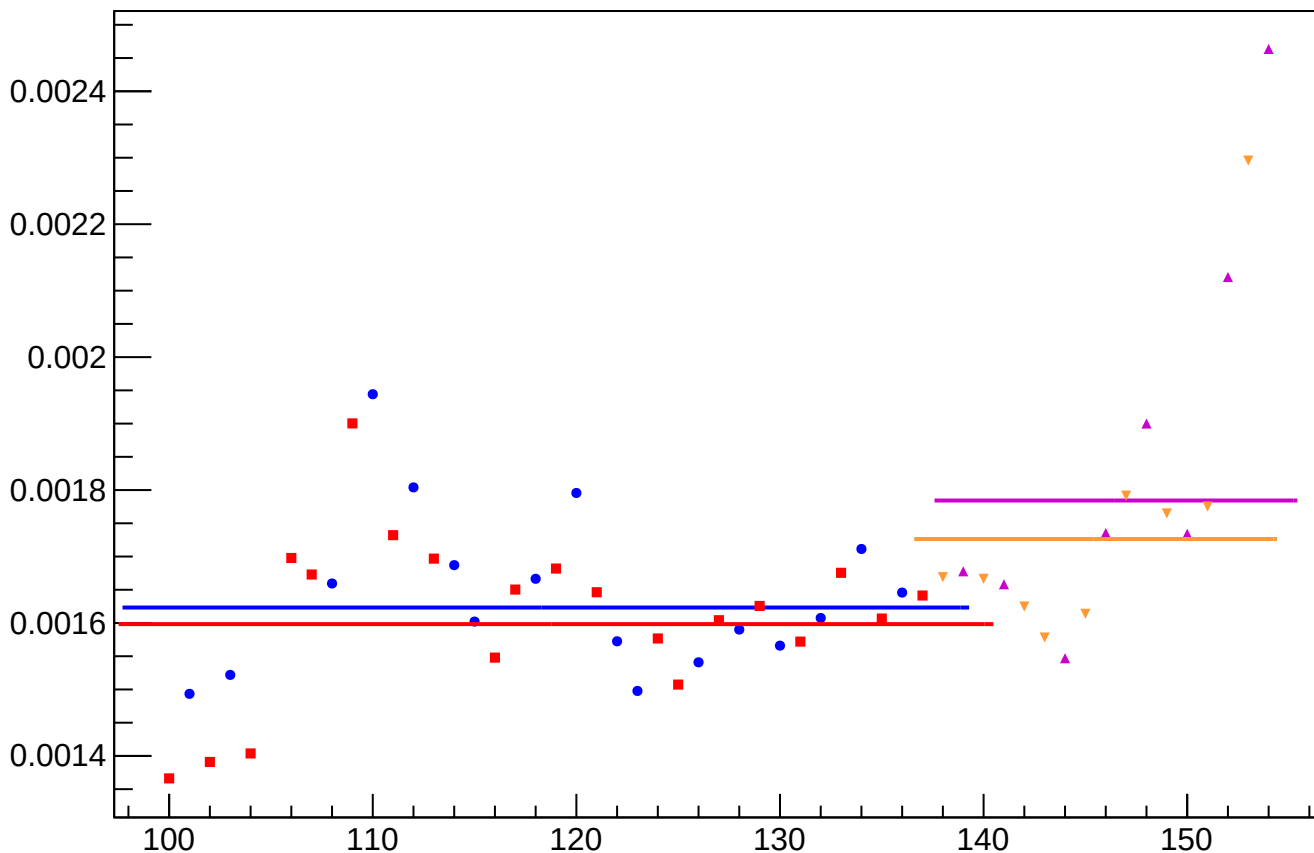
0.297+/-0.000 χ^2/NDF : 67183854014.1/25

Right Out: 0.238+/-0.000 χ^2/NDF : 26077768189.7/19

0.273+/-0.000 χ^2/NDF : 66819104950.1/27

Left In: 0.322+/-0.000 χ^2/NDF : 32647143133.1/7

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 :125246.5/8

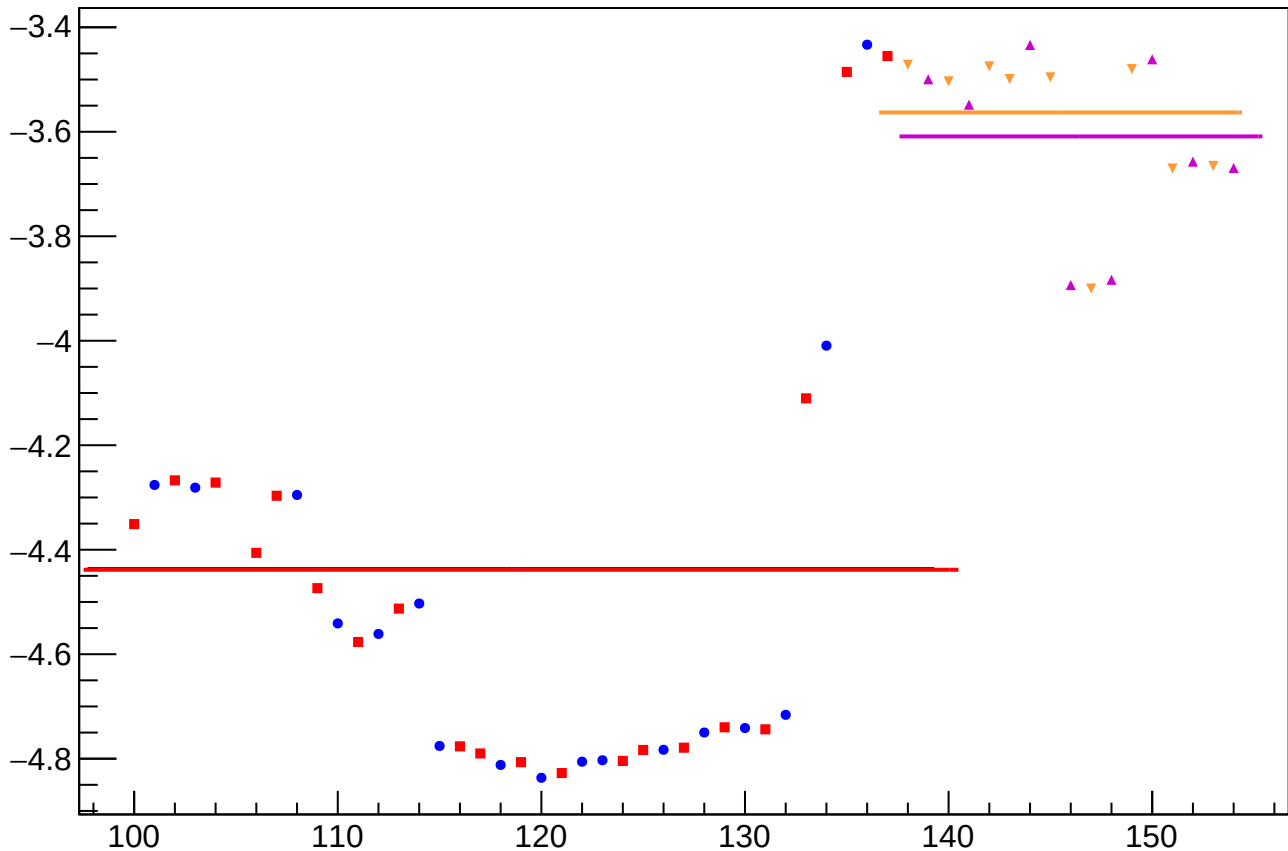
Right Out: 0.002+/-0.000 χ^2/NDF : 90764.4/19

Left In: 0.002+/-0.000 χ^2/NDF :229284.6/7

0.002+/-0.000 χ^2/NDF : 202059.3/25

0.002+/-0.000 χ^2/NDF : 399198.2/27

yield_bpm2i01Y_mean vs Slug



Right In: -4.437+/-0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.563+/-0.000 χ^2/NDF : 25541431993.3/8

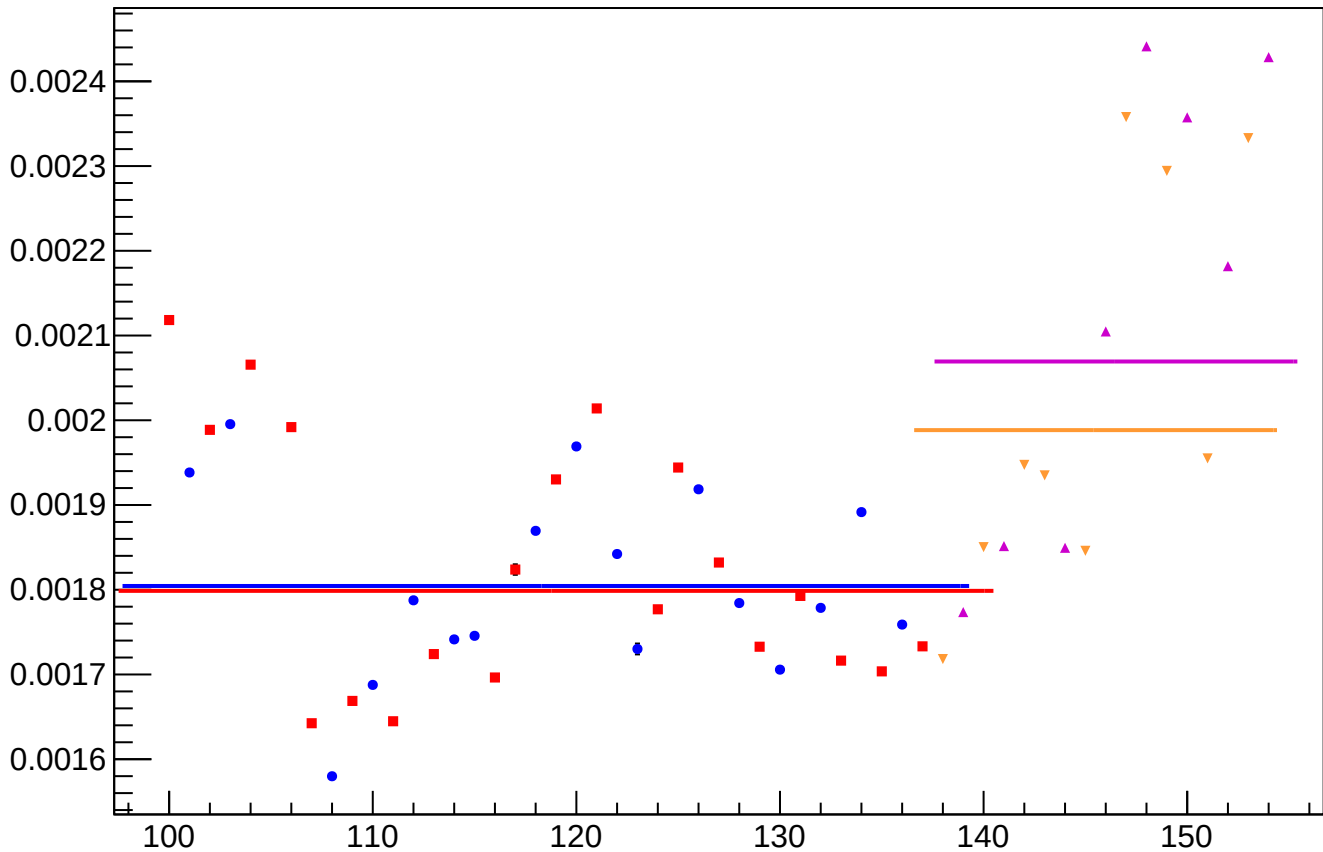
Right Out: -4.438+/-0.000 χ^2/NDF : 326800745779.7/19

Left In: -3.609+/-0.000 χ^2/NDF : 39283840649.4/7

-4.050+/-0.000 χ^2/NDF : 1094461296627.9/25

-4.101+/-0.000 χ^2/NDF : 964273707804.1/27

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 :152245.0/8

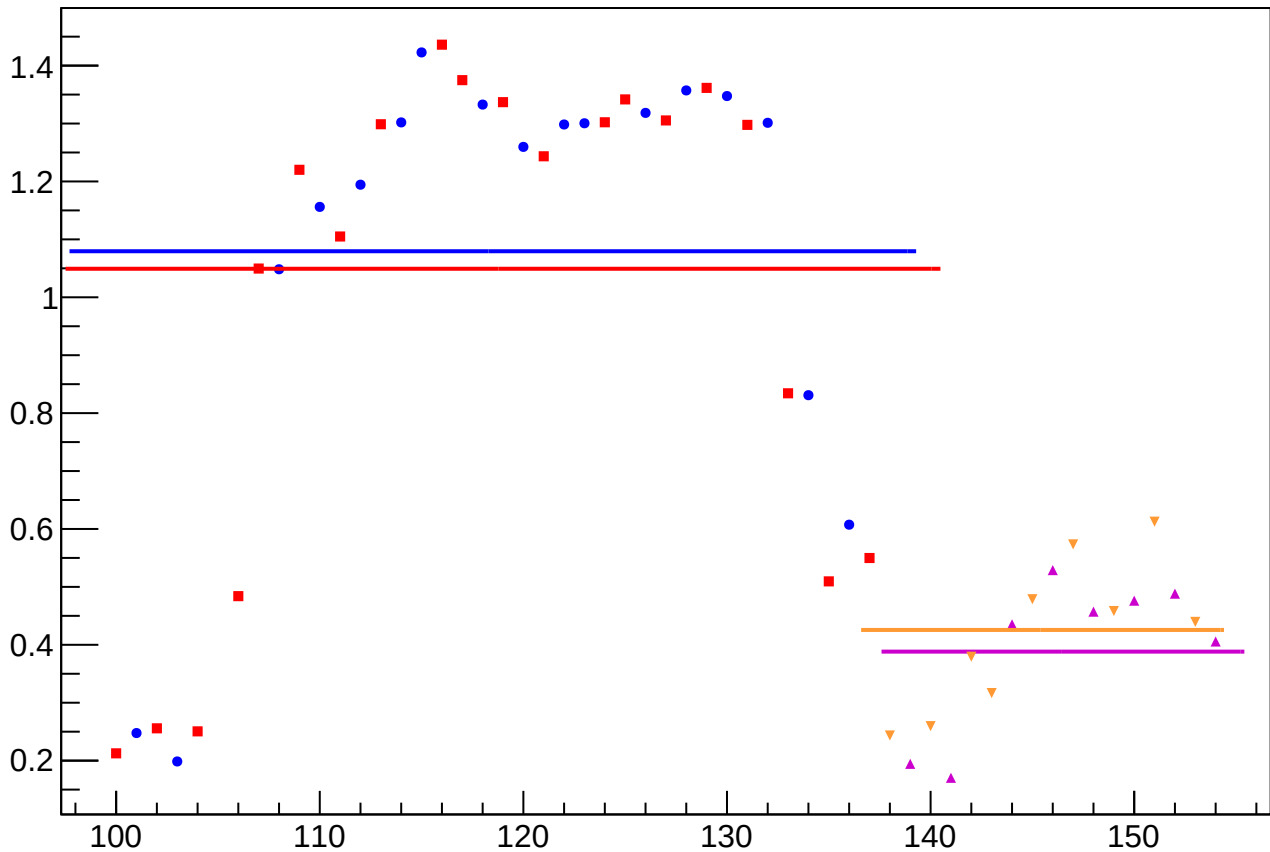
Right Out: 0.002+/-0.000 χ^2/NDF : 81037.5/19

Left In: 0.002+/-0.000 χ^2/NDF :186419.2/7

0.002+/-0.000 χ^2/NDF : 261248.7/25

0.002+/-0.000 χ^2/NDF : 394856.8/27

yield_bpm2i02X_mean vs Slug



Right In: 1.080+/-0.000 χ^2/NDF : 17533321220.5/16

Left Out: 0.426+/-0.000 χ^2/NDF :1121562554.3/8

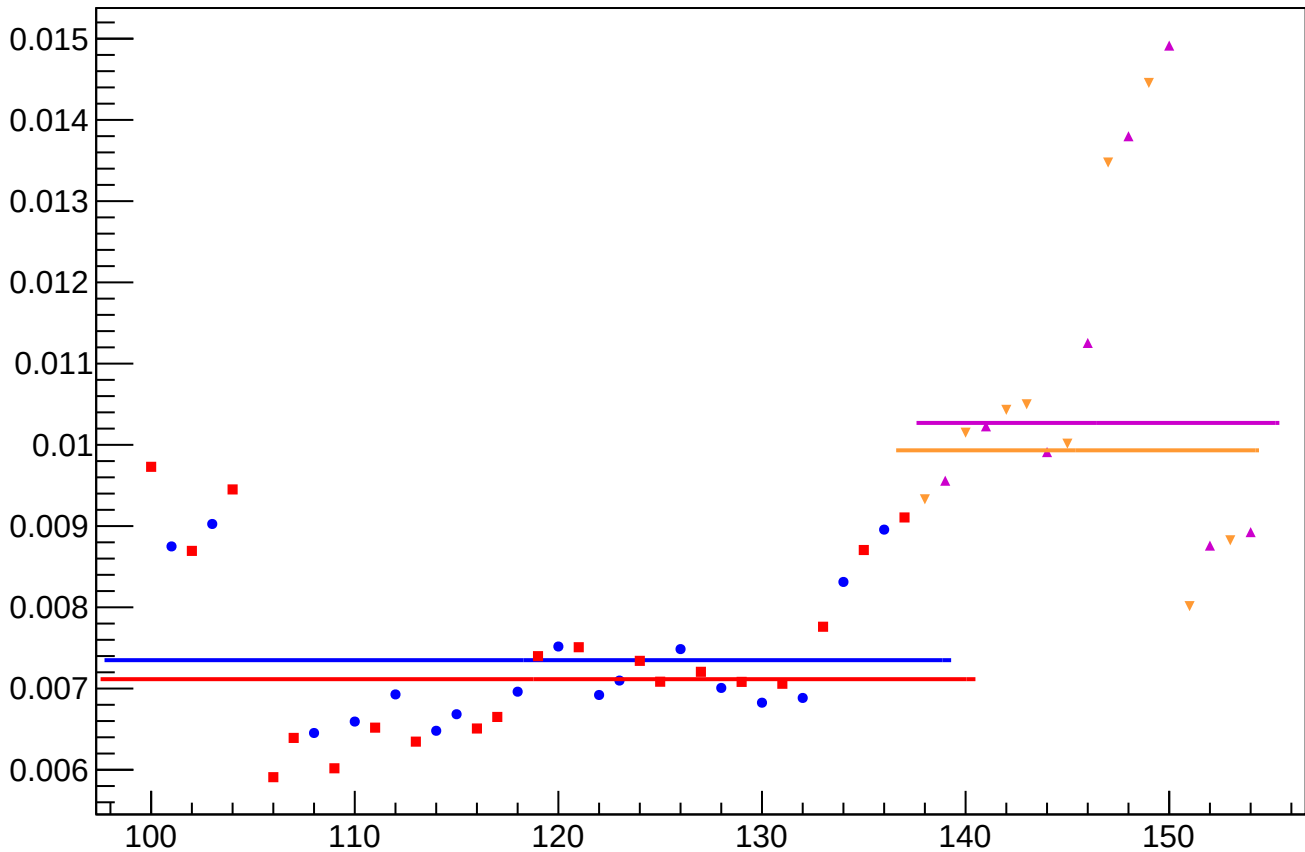
Right Out: 1.049+/-0.000 χ^2/NDF : 19787986428.4/19

Left In: 0.388+/-0.000 χ^2/NDF :966091221.8/7

0.854+/-0.000 χ^2/NDF : 36655885346.3/25

0.850+/-0.000 χ^2/NDF : 39015799952.9/27

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 180818.7/16

Left Out: 0.010+/-0.000 χ^2/NDF : 392706.6/8

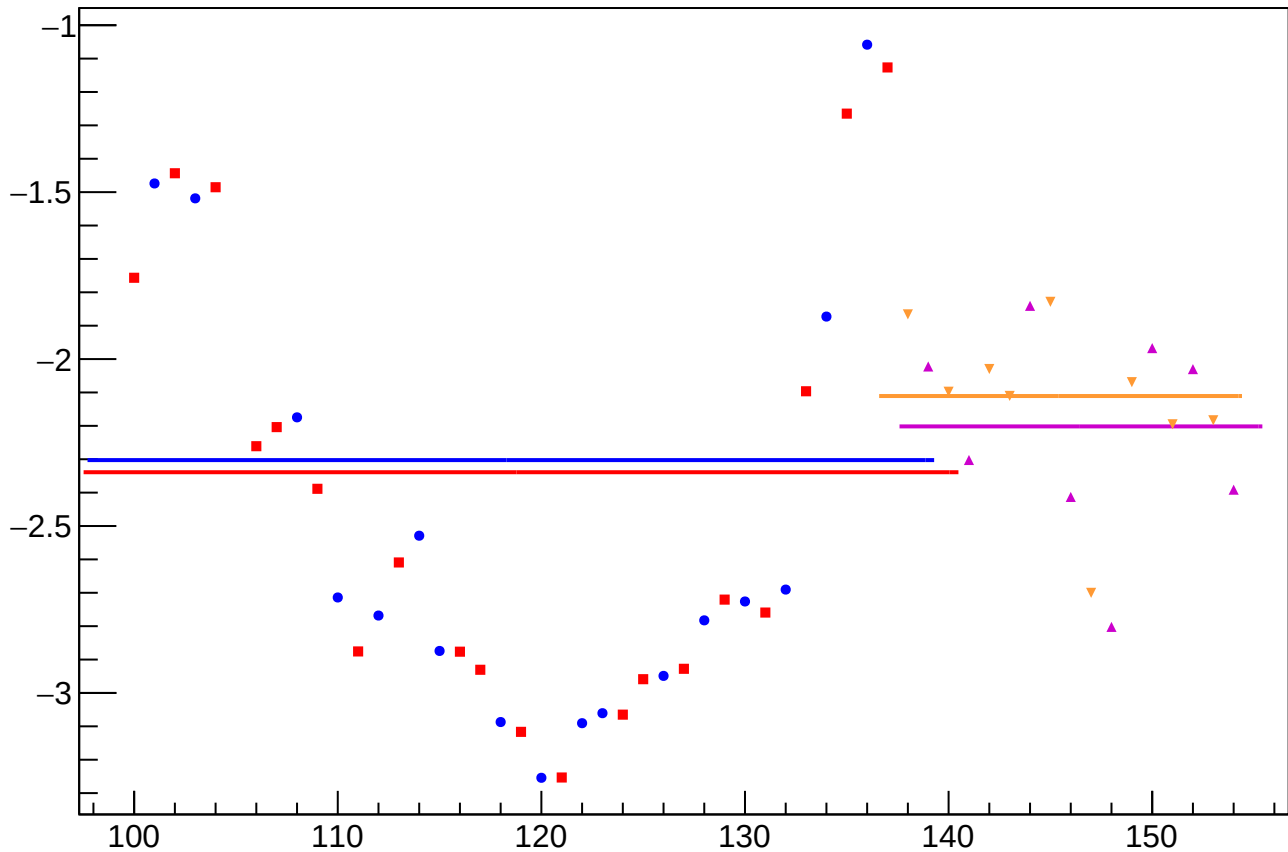
Right Out: 0.007+/-0.000 χ^2/NDF : 259539.3/19

Left In: 0.010+/-0.000 χ^2/NDF : 380805.2/7

0.008+/-0.000 χ^2/NDF : 1135430.6/25

0.008+/-0.000 χ^2/NDF : 1472119.0/27

yield_bpm2i02Y_mean vs Slug



Right In: -2.303+/-0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.111+/-0.000 χ^2/NDF : 3844052738.9/8

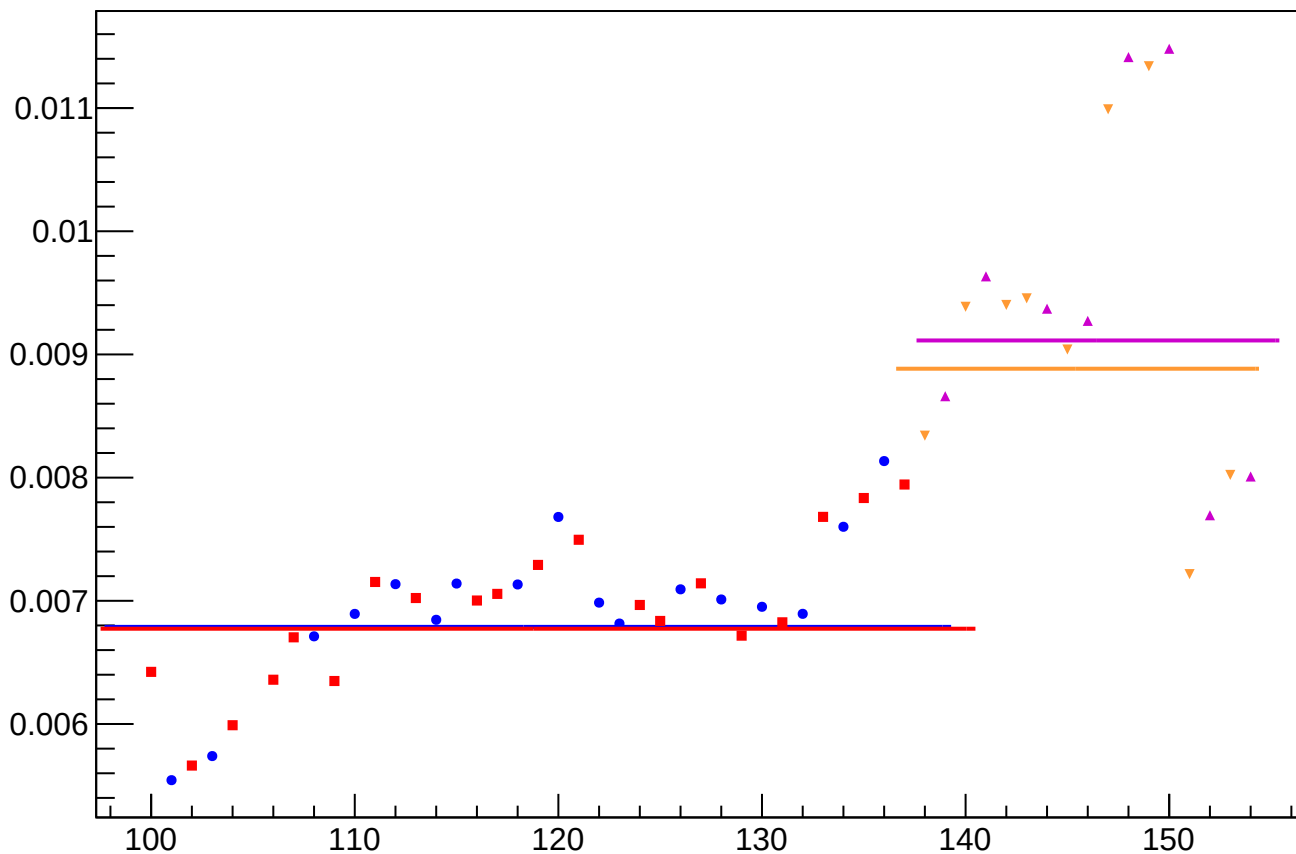
-2.233+/-0.000 χ^2/NDF : 79515910436.5/25

Right Out: -2.339+/-0.000 χ^2/NDF : 64804828308.5/19

-2.293+/-0.000 χ^2/NDF : 71310914783.8/27

Left In: -2.202+/-0.000 χ^2/NDF : 5536669247.1/7

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 165199.2/16

Left Out: 0.009+/-0.000 χ^2/NDF :254025.0/8

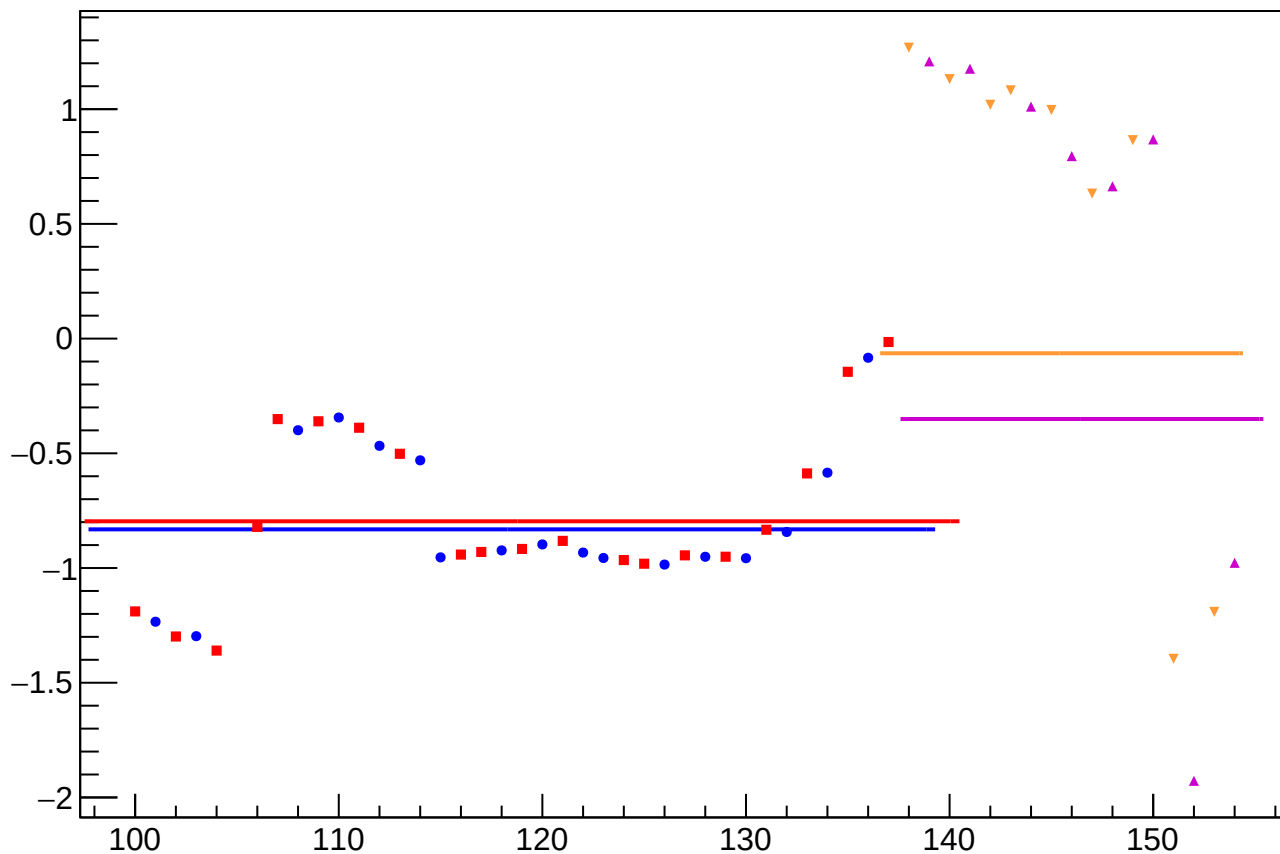
Right Out: 0.007+/-0.000 χ^2/NDF : 123383.6/19

Left In: 0.009+/-0.000 χ^2/NDF :237184.8/7

0.008+/-0.000 χ^2/NDF : 876282.1/25

0.008+/-0.000 χ^2/NDF : 924166.7/27

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 6692170860.9/16

Left Out: -0.064 ± 0.000 χ^2/NDF : 76650012583.8/8

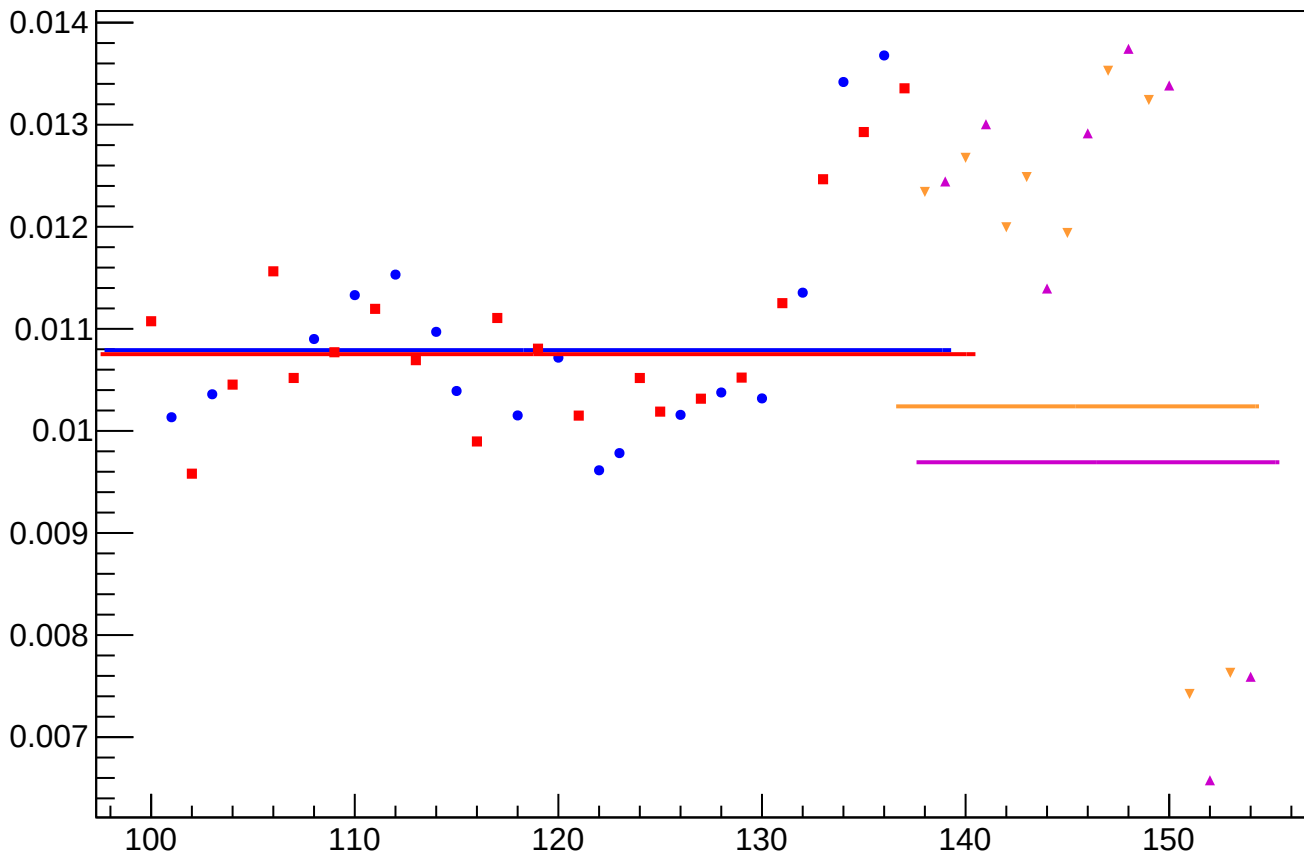
Right Out: -0.796 ± 0.000 χ^2/NDF : 7827622544.3/19

Left In: -0.350 ± 0.000 χ^2/NDF : 103488899941.0/7

-0.445 ± 0.000 χ^2/NDF : 100088766250.2/25

-0.569 ± 0.000 χ^2/NDF : 117391695762.4/27

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 125802.4/16

Left Out: 0.010+/-0.000 χ^2/NDF : 753614.1/8

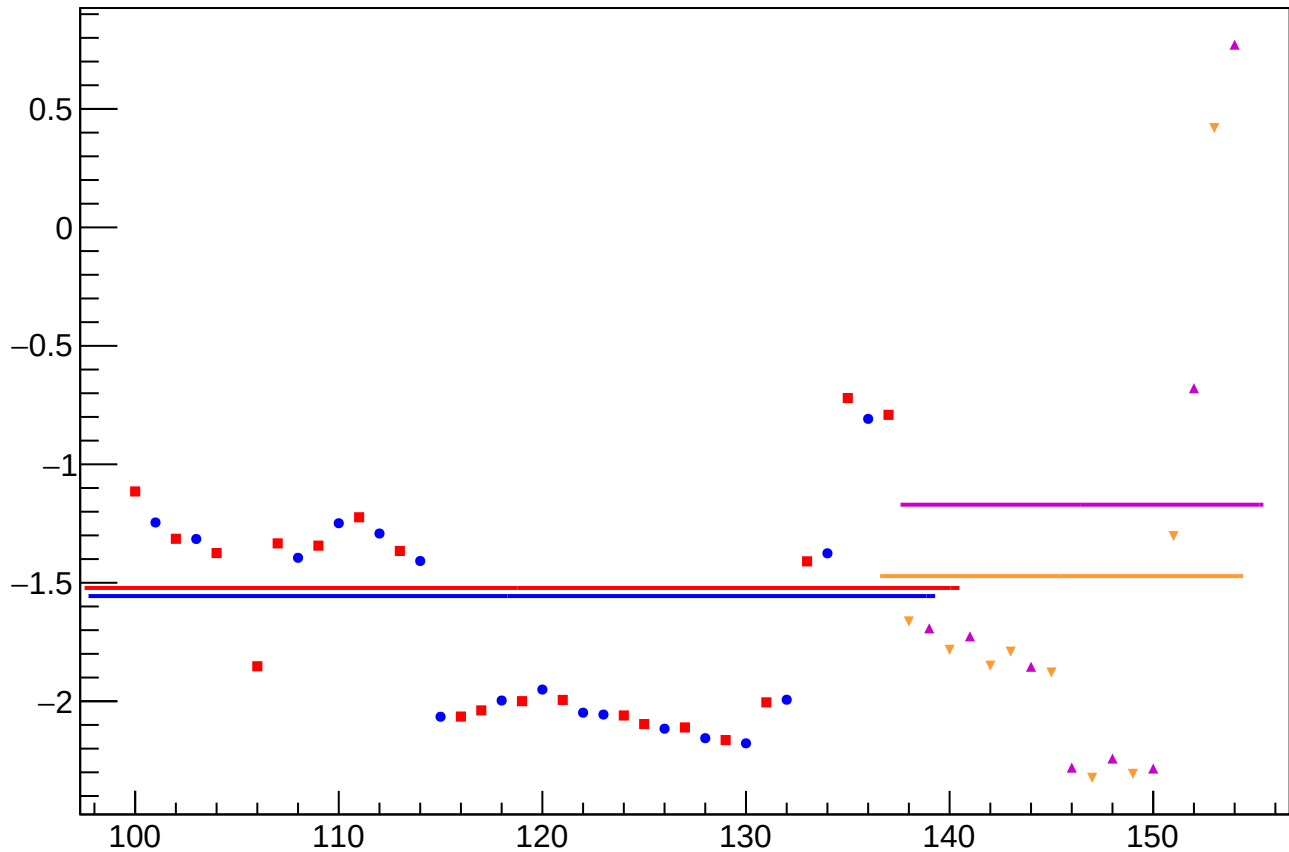
Right Out: 0.011+/-0.000 χ^2/NDF : 90303.3/19

Left In: 0.010+/-0.000 χ^2/NDF : 1060748.4/7

0.011+/-0.000 χ^2/NDF : 896671.9/25

0.010+/-0.000 χ^2/NDF : 1219612.0/27

yield_bpm0i01Y_mean vs Slug



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: -1.472+/-0.000 χ^2/NDF : 390145067874.5/8

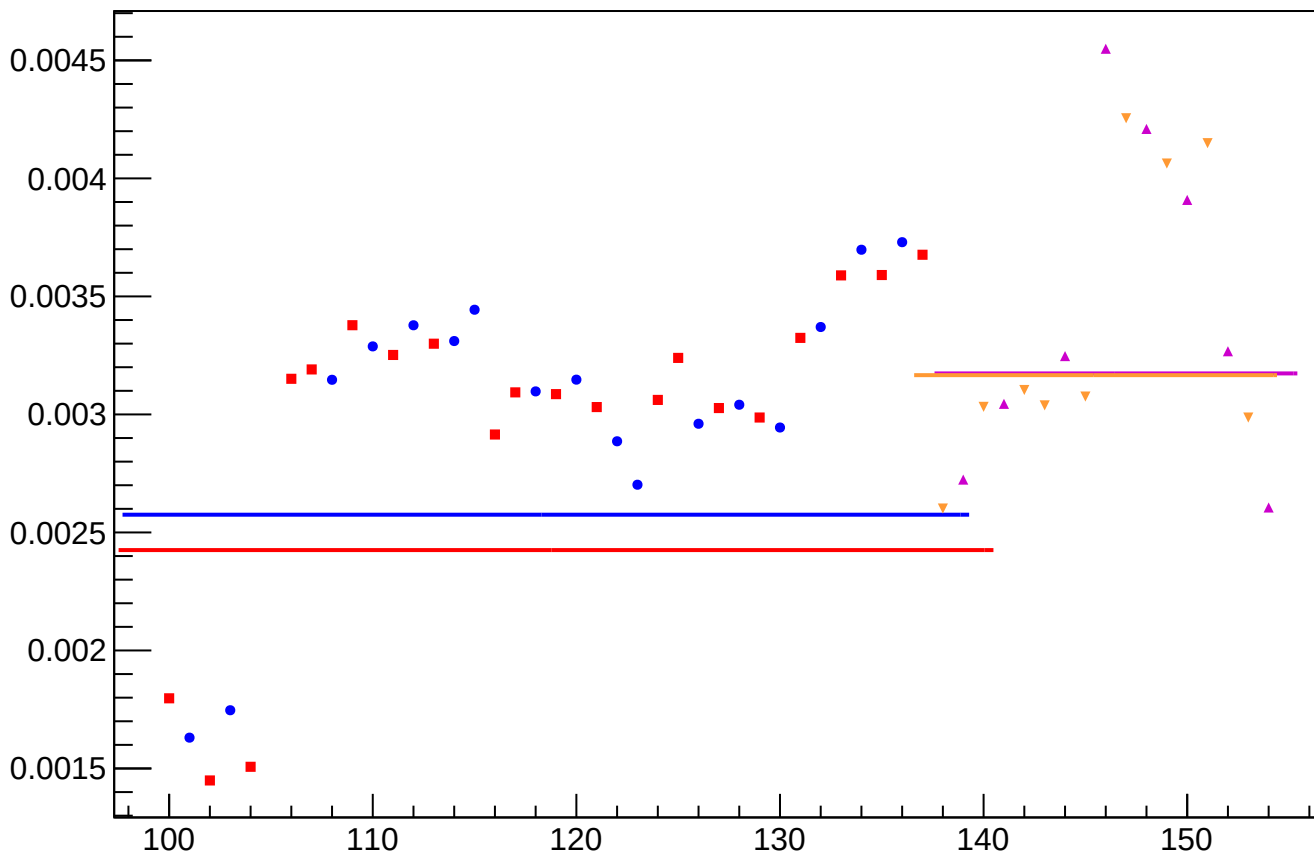
Right Out: -1.522+/-0.000 χ^2/NDF : 139385229659.4/19

Left In: -1.170+/-0.000 χ^2/NDF : 665044446860.3/7

-1.523+/-0.000 χ^2/NDF : 547488183789.4/25

-1.396+/-0.000 χ^2/NDF : 847324162986.0/27

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 :280625.8/8

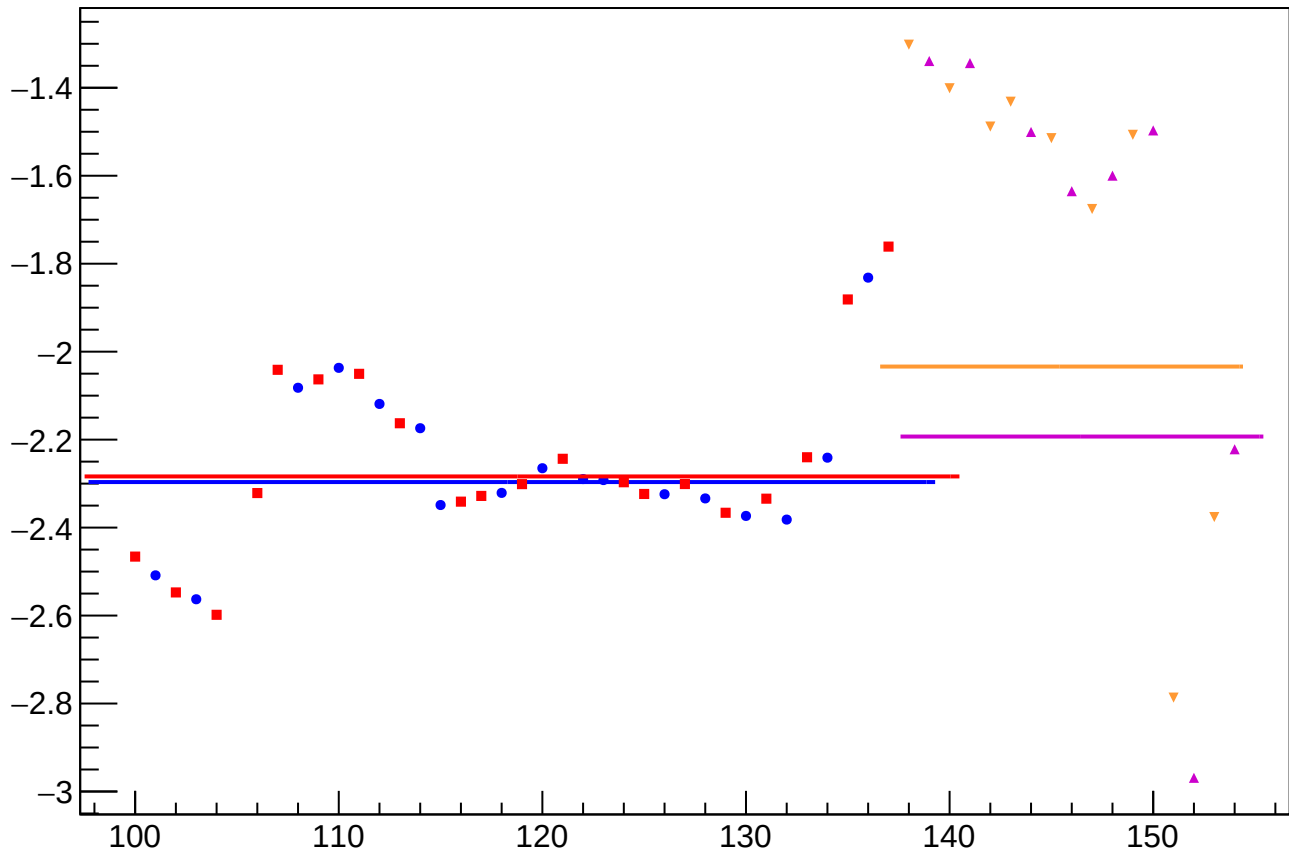
Right Out: 0.002+/-0.000 χ^2/NDF : 1493210.7/19

Left In: 0.003+/-0.000 χ^2/NDF :332415.6/7

0.003+/-0.000 χ^2/NDF : 1527724.5/25

0.003+/-0.000 χ^2/NDF : 2214872.9/27

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -2.034+/-0.000 χ^2/NDF : 43322262813.4/8

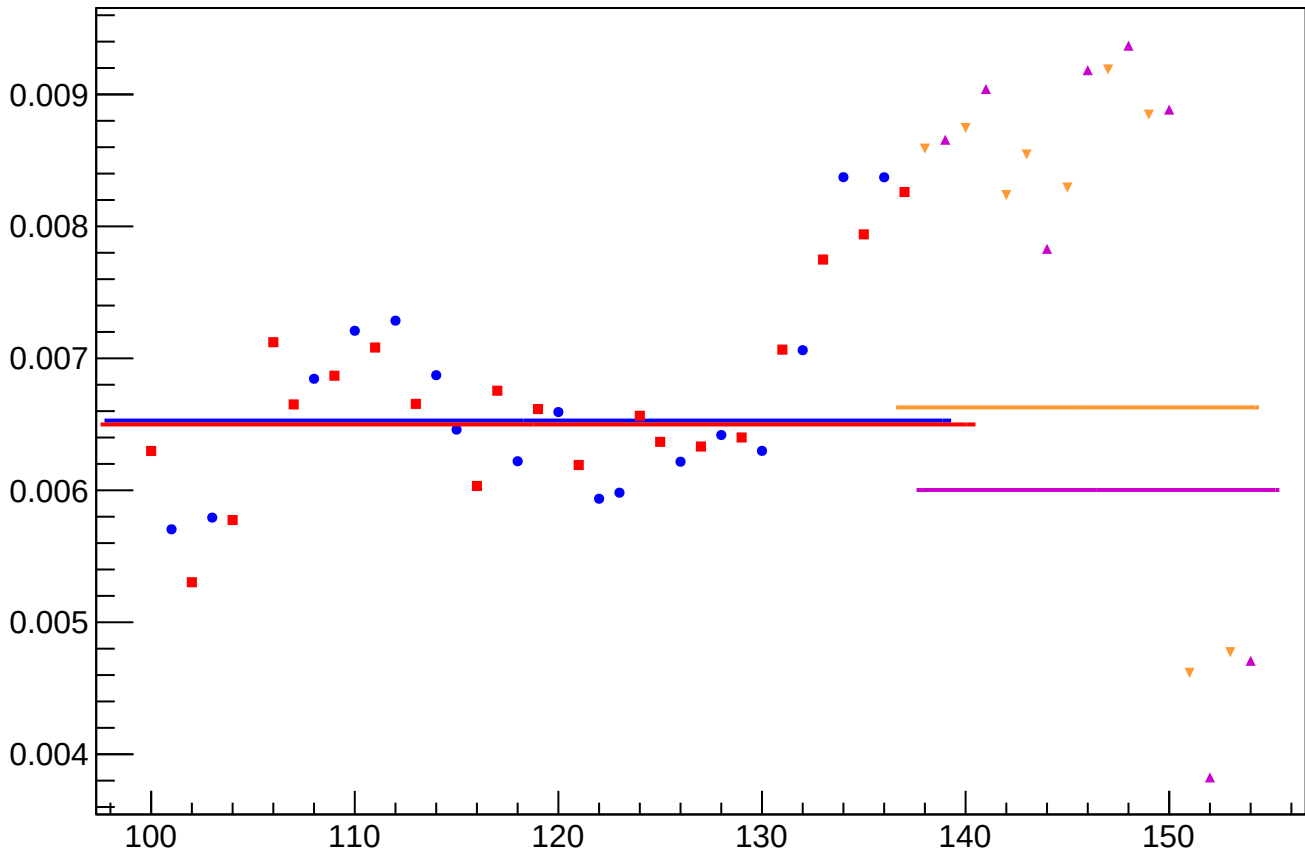
Right Out: -2.284+/-0.000 χ^2/NDF : 6550363990.6/19

Left In: -2.193+/-0.000 χ^2/NDF : 63572182109.9/7

-2.175+/-0.000 χ^2/NDF : 53942348809.3/25

-2.240+/-0.000 χ^2/NDF : 70765246205.9/27

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 176467.7/16

Left Out: 0.007+/-0.000 χ^2/NDF :1027148.6/8

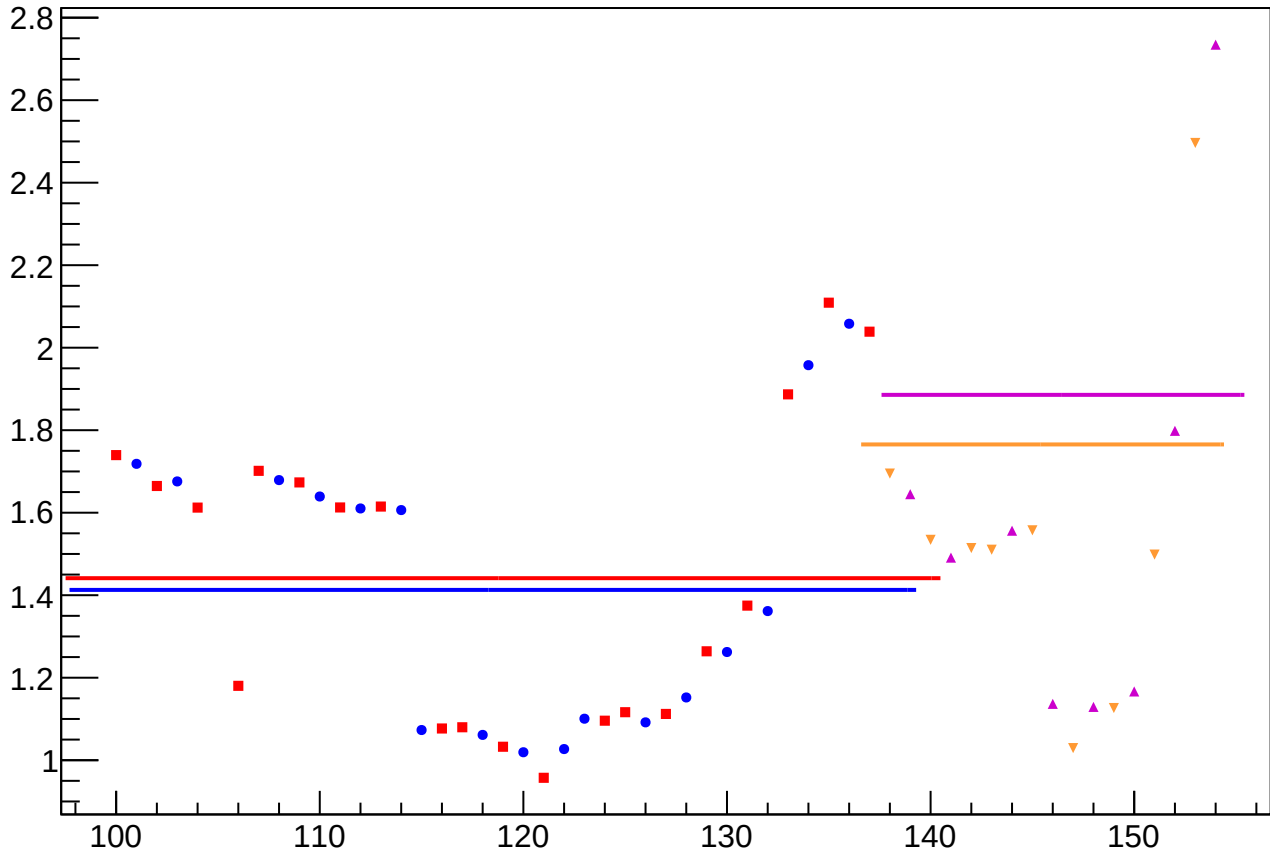
Right Out: 0.006+/-0.000 χ^2/NDF : 164253.8/19

Left In: 0.006+/-0.000 χ^2/NDF :1579649.5/7

0.007+/-0.000 χ^2/NDF : 1205007.4/25

0.006+/-0.000 χ^2/NDF : 1782466.4/27

yield_bpm0i01aY_mean vs Slug



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 1.765+/-0.000 χ^2/NDF : 57798584037.8/8

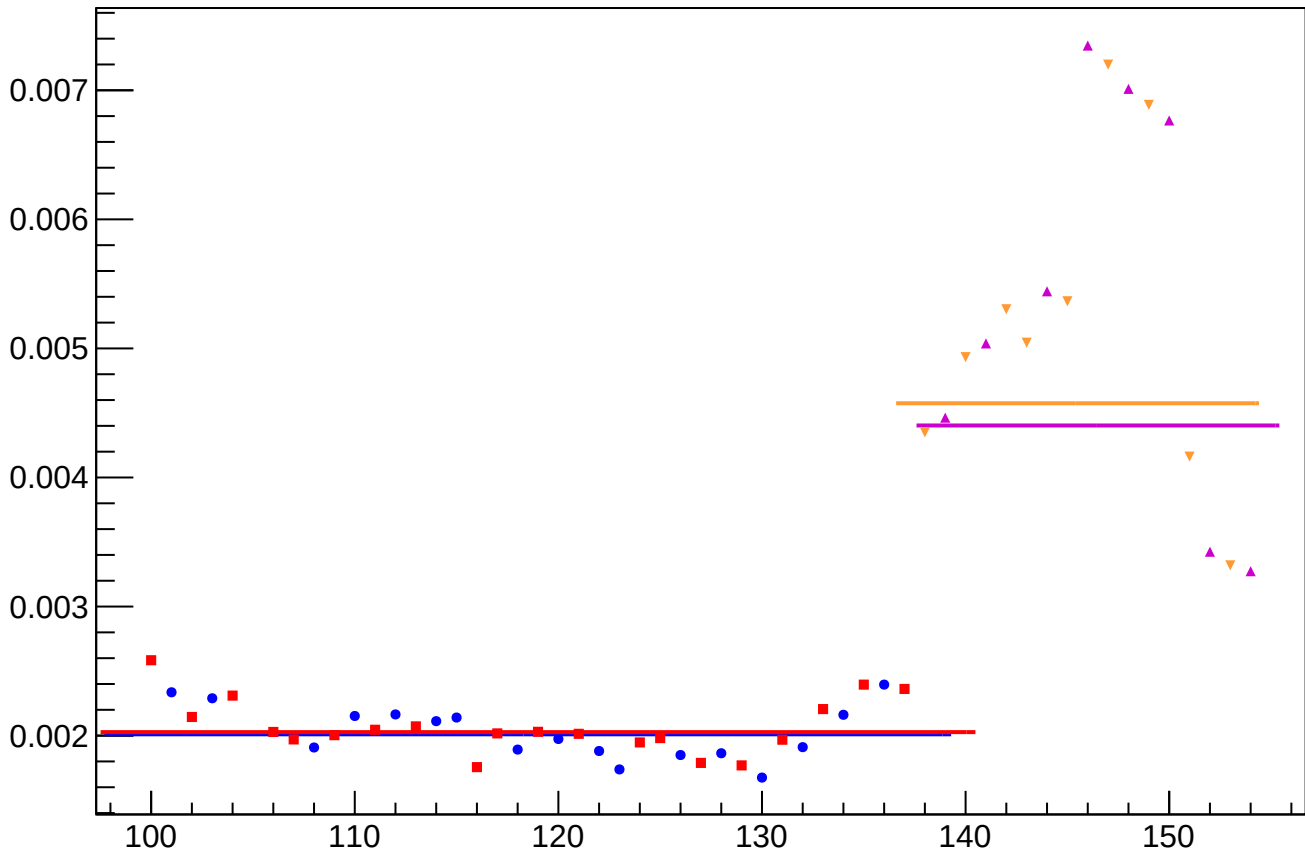
Right Out: 1.441+/-0.000 χ^2/NDF : 174346888744.4/19

Left In: 1.886+/-0.000 χ^2/NDF : 87226325060.6/7

1.465+/-0.000 χ^2/NDF : 258474762501.3/25

1.507+/-0.000 χ^2/NDF : 308230794605.9/27

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 152530.4/16

Left Out: 0.005+/-0.000 χ^2/NDF : 606058.1/8

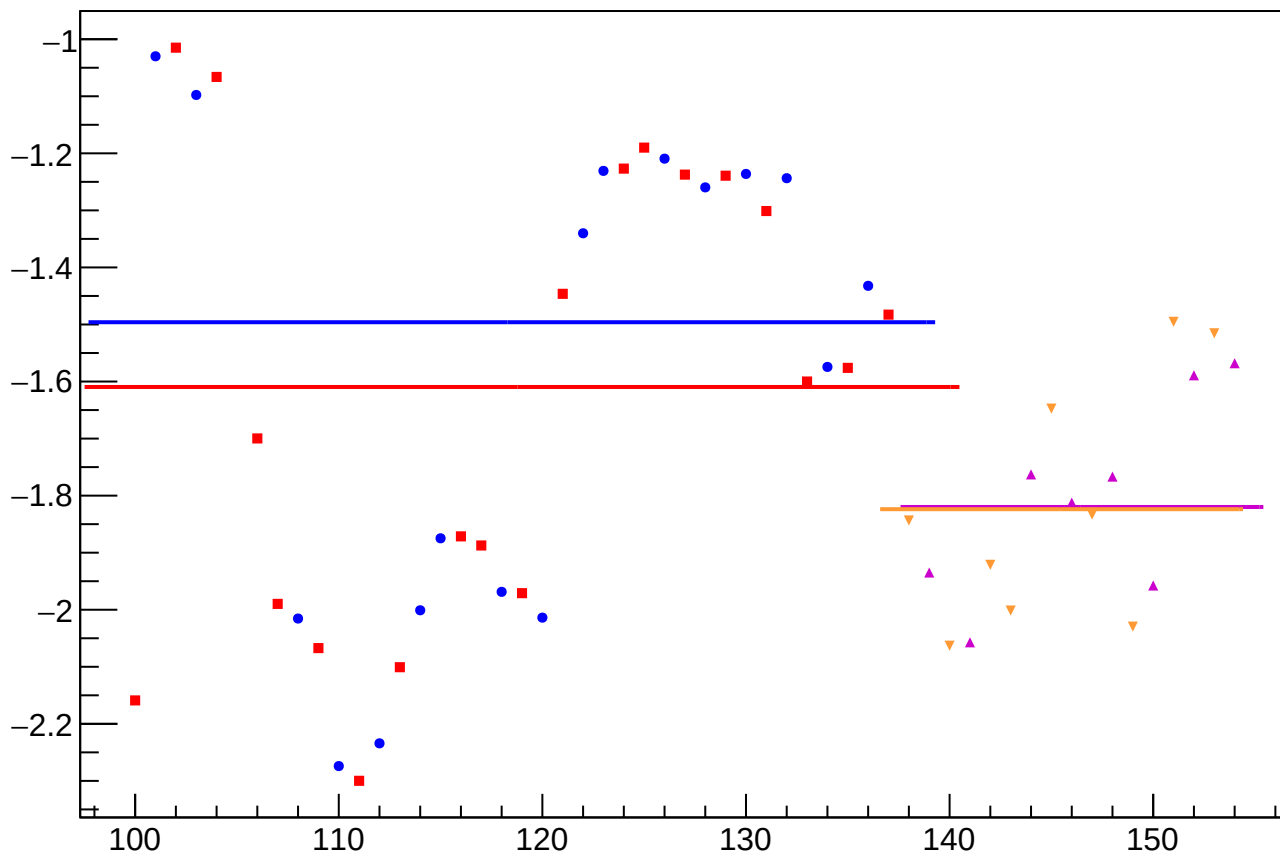
Right Out: 0.002+/-0.000 χ^2/NDF : 103927.8/19

Left In: 0.004+/-0.000 χ^2/NDF : 945704.5/7

0.002+/-0.000 χ^2/NDF : 3733351.7/25

0.002+/-0.000 χ^2/NDF : 3716793.1/27

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.824+/-0.000 χ^2/NDF : 7552079590.6/8

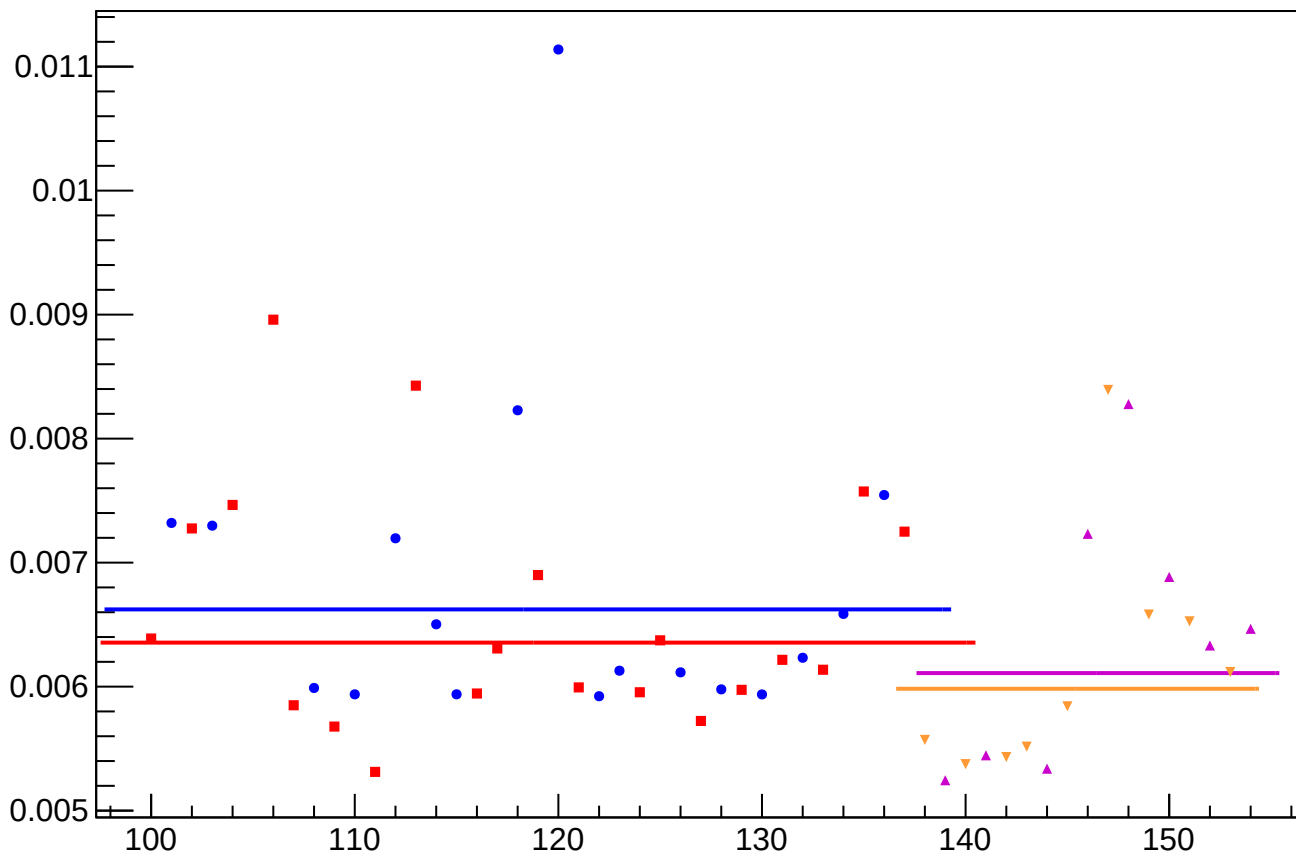
Right Out: -1.610+/-0.000 χ^2/NDF : 27919840690.9/19

Left In: -1.820+/-0.000 χ^2/NDF : 4585191142.8/7

-1.677+/-0.000 χ^2/NDF : 38311559012.4/25

-1.713+/-0.000 χ^2/NDF : 36092470421.9/27

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 :184677.0/8

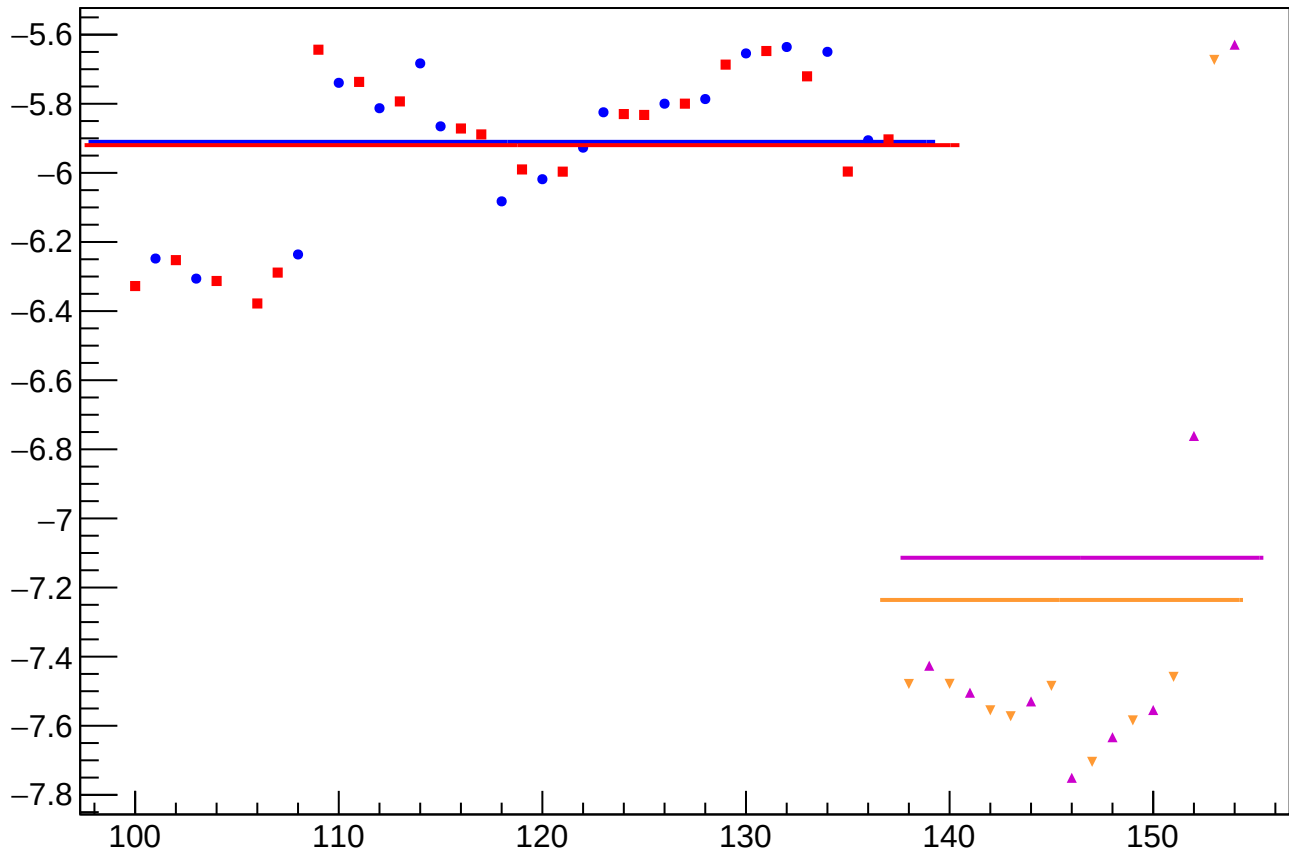
Right Out: 0.006+/-0.000 χ^2/NDF : 227865.9/19

Left In: 0.006+/-0.000 χ^2/NDF :253481.2/7

0.006+/-0.000 χ^2/NDF : 480090.7/25

0.006+/-0.000 χ^2/NDF : 491140.3/27

yield_bpm0l01Y_mean vs Slug



Right In: -5.910+/-0.000 χ^2/NDF : 11154434512.7/16

Left Out: -7.236+/-0.000 χ^2/NDF : 38255060169.9/8

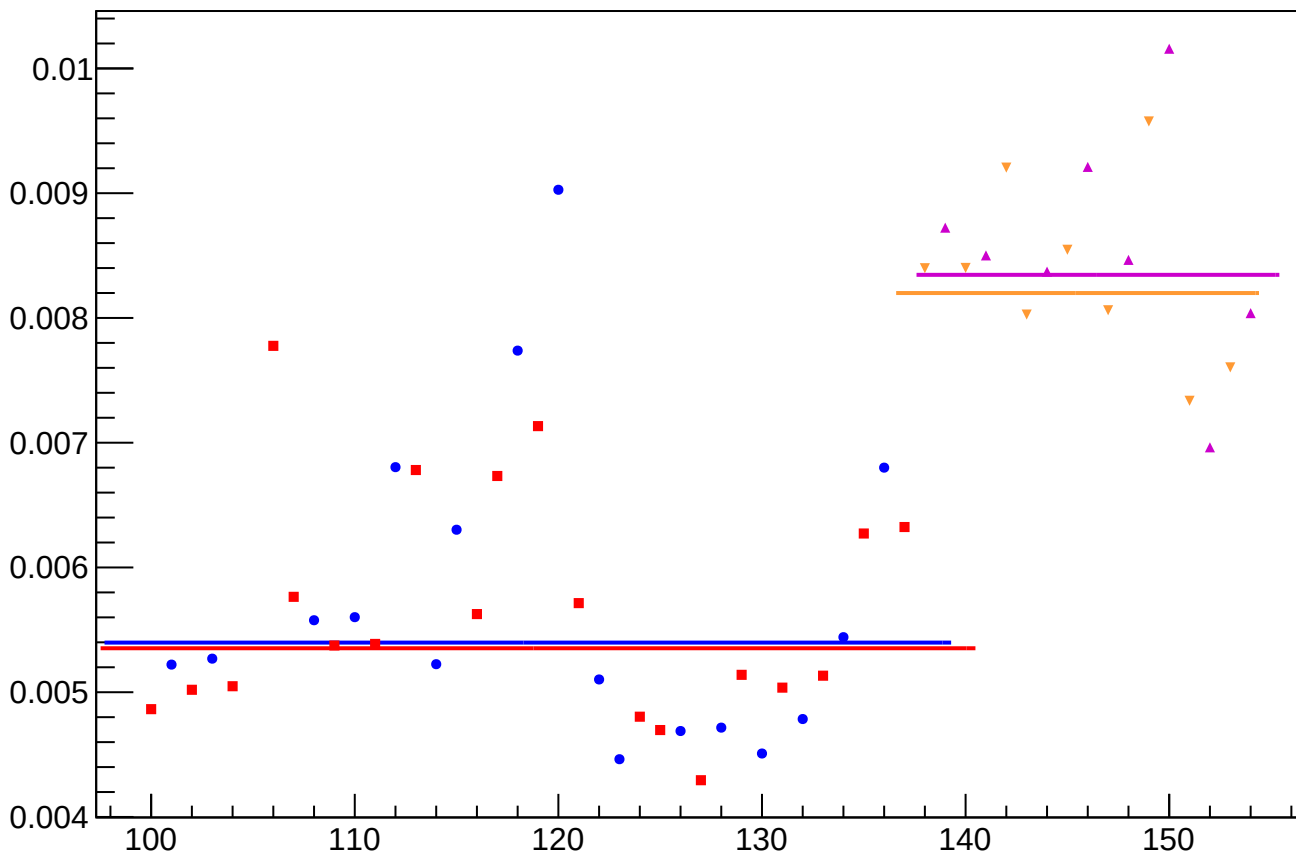
-6.288+/-0.000 χ^2/NDF : 150912947214.9/25

Right Out: -5.920+/-0.000 χ^2/NDF : 12786449843.6/19

-6.234+/-0.000 χ^2/NDF : 136591451907.3/27

Left In: -7.114+/-0.000 χ^2/NDF : 39886778478.6/7

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 371347.4/16

Left Out: 0.008+/-0.000 χ^2/NDF : 67865.6/8

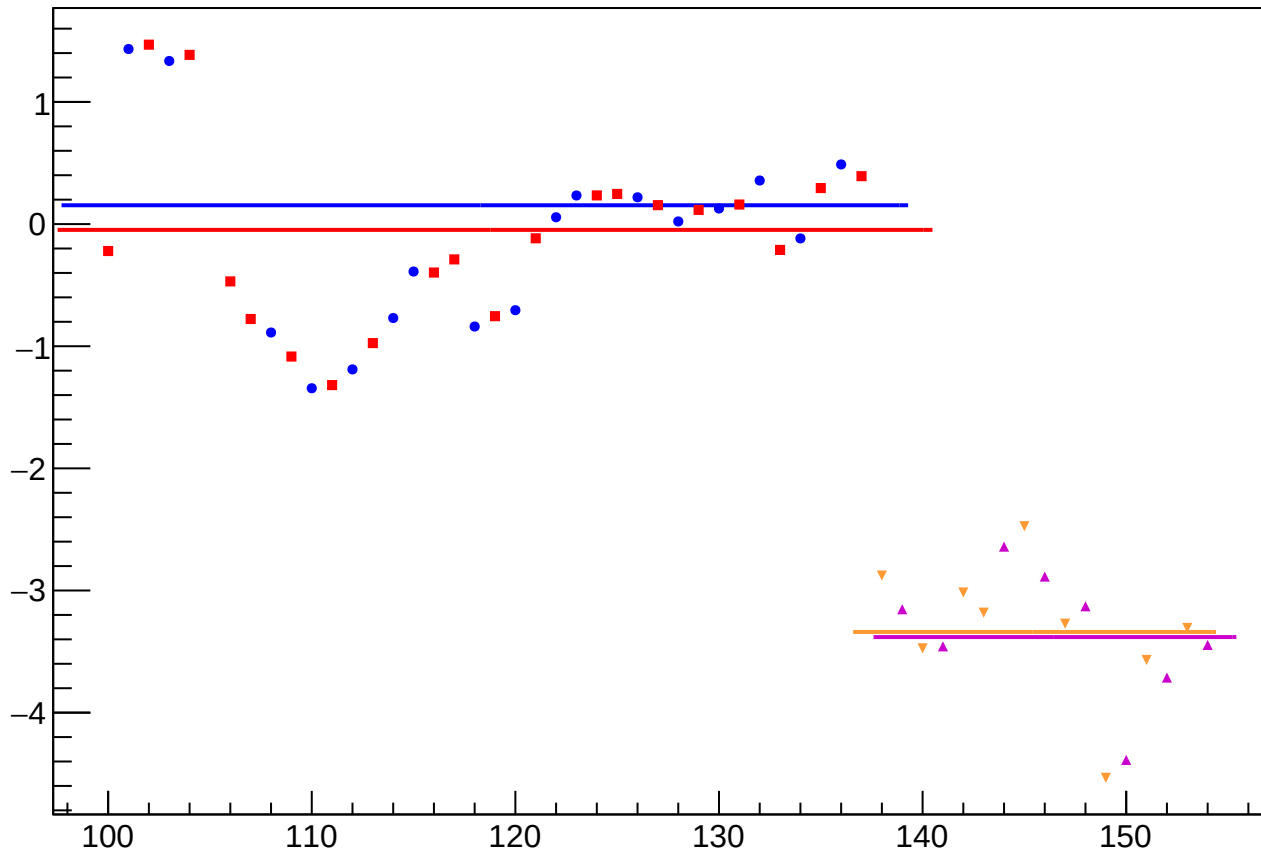
Right Out: 0.005+/-0.000 χ^2/NDF : 252664.1/19

Left In: 0.008+/-0.000 χ^2/NDF : 121227.3/7

0.006+/-0.000 χ^2/NDF : 1346035.2/25

0.006+/-0.000 χ^2/NDF : 1428493.4/27

yield_bpm0l02X_mean vs Slug



Right In: 0.154+/-0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.339+/-0.000 χ^2/NDF : 6542900374.5/8

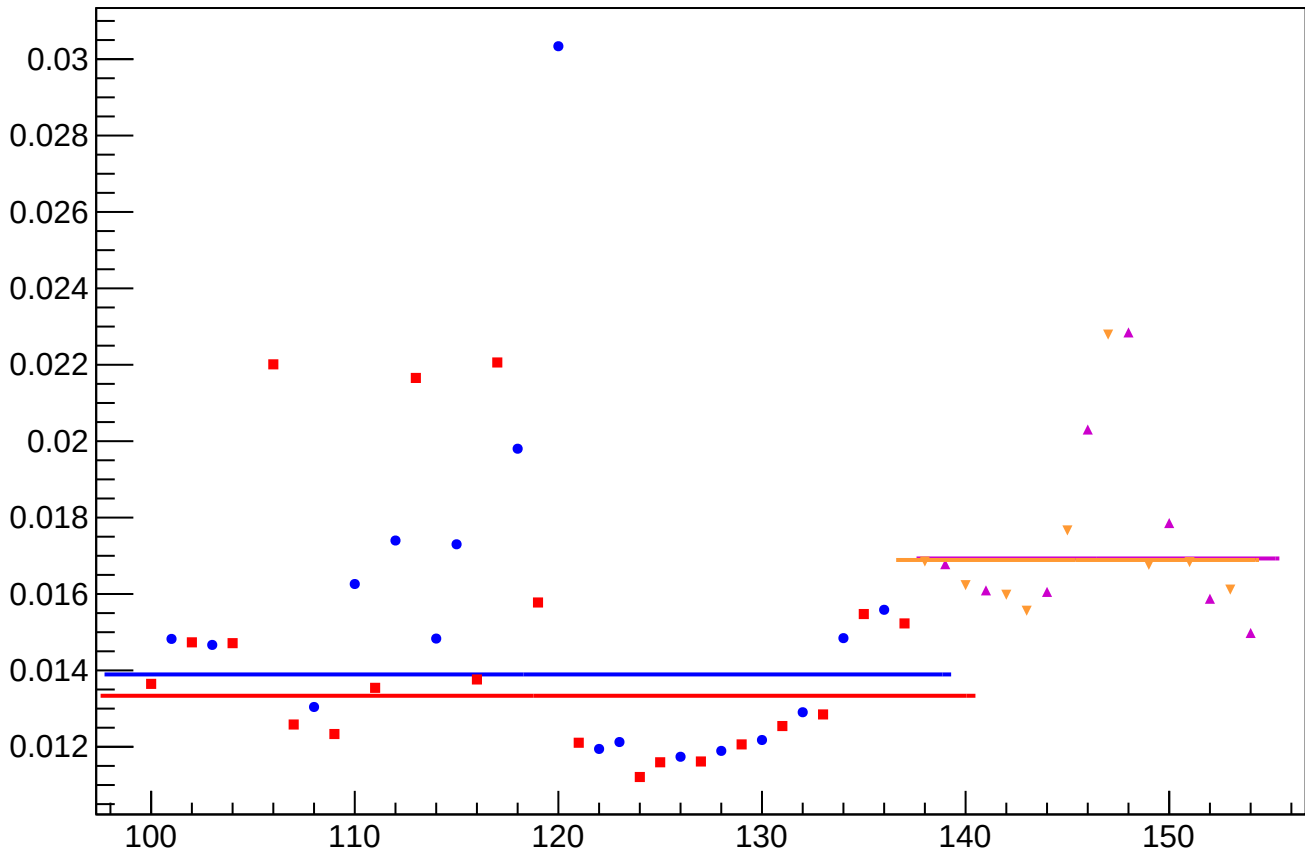
-1.288+/-0.000 χ^2/NDF : 178009916956.3/25

Right Out: -0.047+/-0.000 χ^2/NDF : 21216074494.2/19

-1.270+/-0.000 χ^2/NDF : 175296390866.5/27

Left In: -3.381+/-0.000 χ^2/NDF : 5302159747.2/7

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 :115528.5/8

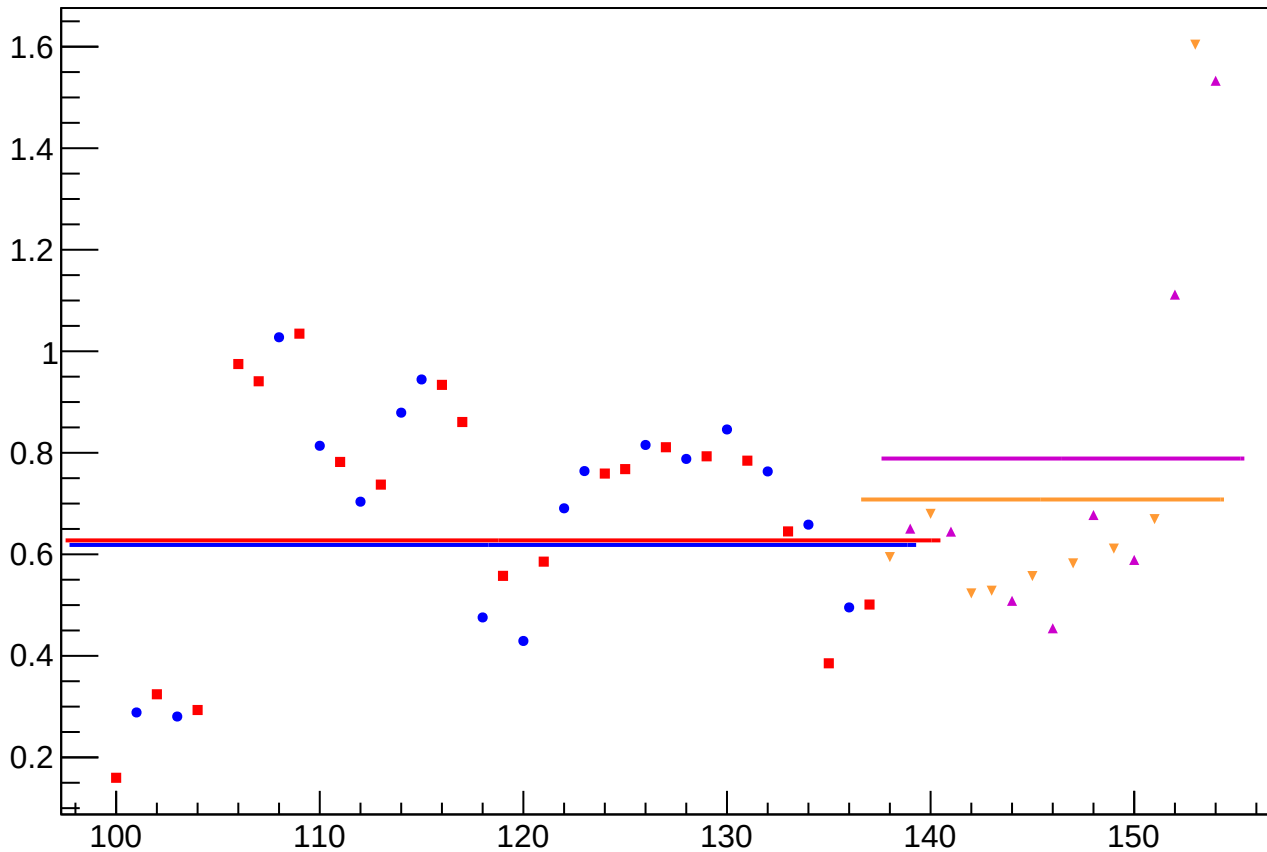
Right Out: 0.013+/-0.000 χ^2/NDF : 303459.9/19

Left In: 0.017+/-0.000 χ^2/NDF :184773.1/7

0.015+/-0.000 χ^2/NDF : 743341.3/25

0.015+/-0.000 χ^2/NDF : 834002.4/27

yield_bpm0l02Y_mean vs Slug



Right In: 0.619+/-0.000 χ^2/NDF : 5416939288.1/16

Left Out: 0.708+/-0.000 χ^2/NDF :10306673004.4/8

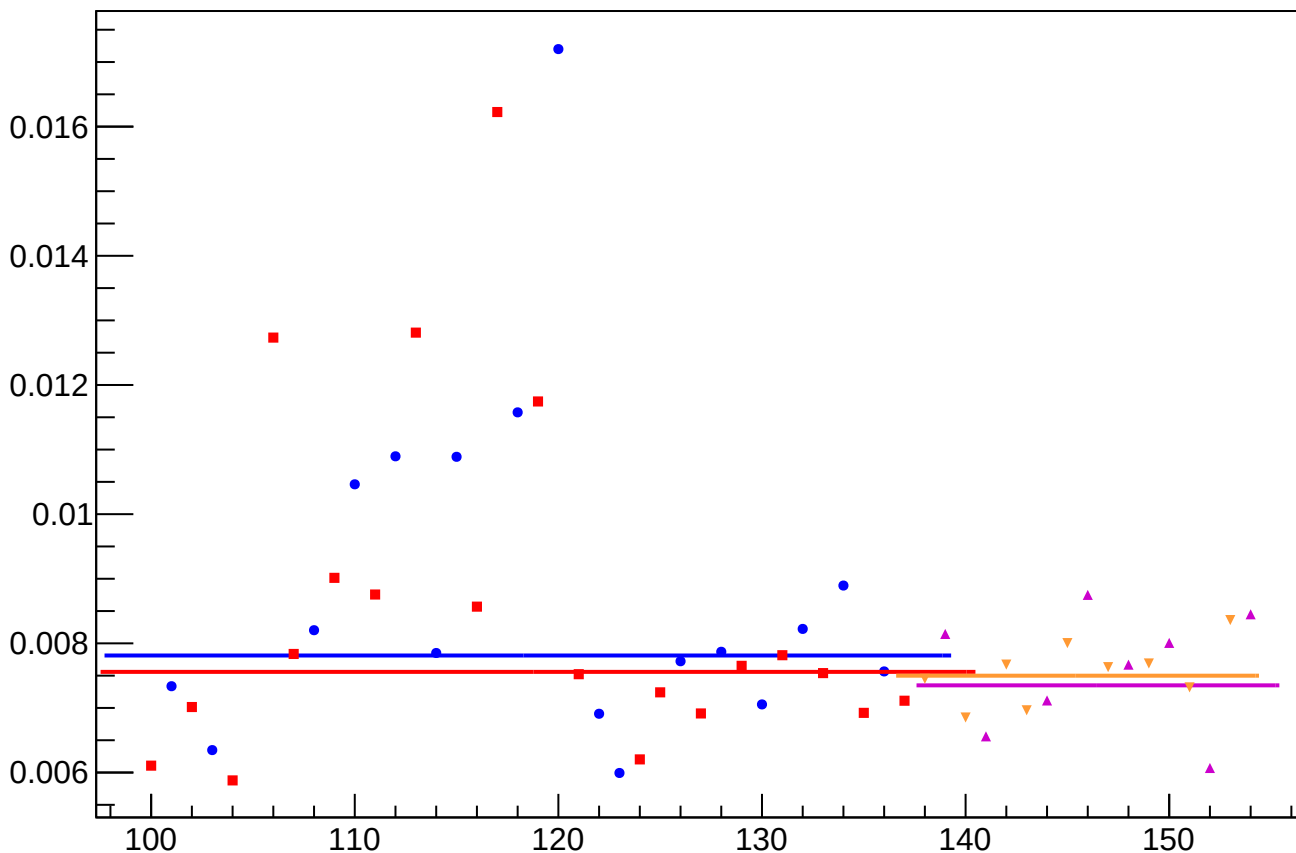
Right Out: 0.627+/-0.000 χ^2/NDF : 6345684740.0/19

Left In: 0.789+/-0.000 χ^2/NDF :11973585422.5/7

0.666+/-0.000 χ^2/NDF : 16124695927.9/25

0.708+/-0.000 χ^2/NDF : 19740483562.9/27

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 :44633.8/8

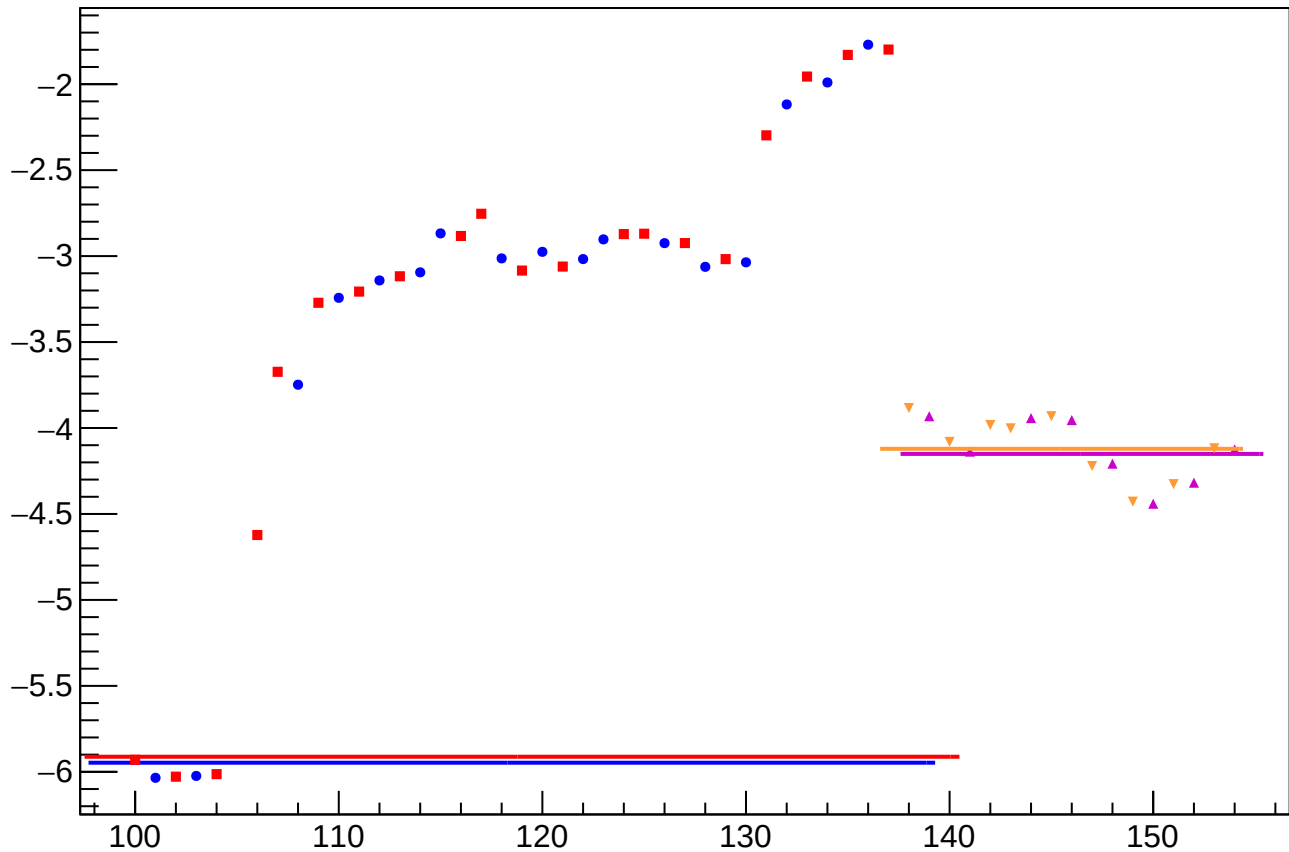
Right Out: 0.008+/-0.000 χ^2/NDF : 463232.7/19

Left In: 0.007+/-0.000 χ^2/NDF :180953.2/7

0.008+/-0.000 χ^2/NDF : 521246.1/25

0.007+/-0.000 χ^2/NDF : 648946.7/27

yield_bpm0l03X_mean vs Slug



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -4.121+/-0.000 χ^2/NDF : 29121998.2/8

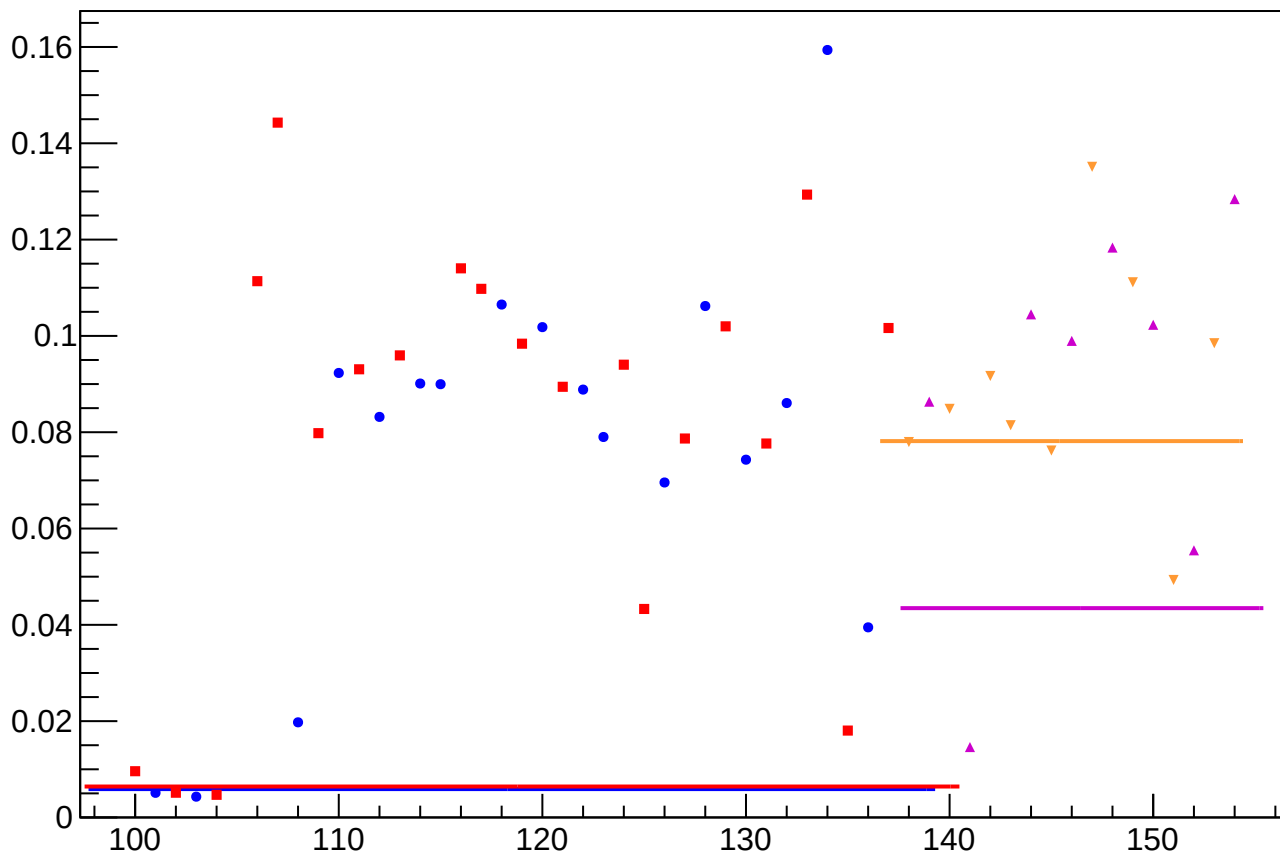
-5.914+/-0.000 χ^2/NDF : 16064484776.2/25

Right Out: -5.912+/-0.000 χ^2/NDF : 14648055548.9/19

-5.848+/-0.000 χ^2/NDF : 19009910729.4/27

Left In: -4.151+/-0.000 χ^2/NDF : 20957985.2/7

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 7934545.2/16

Left Out: 0.078+/-0.000 χ^2/NDF : 852409.9/8

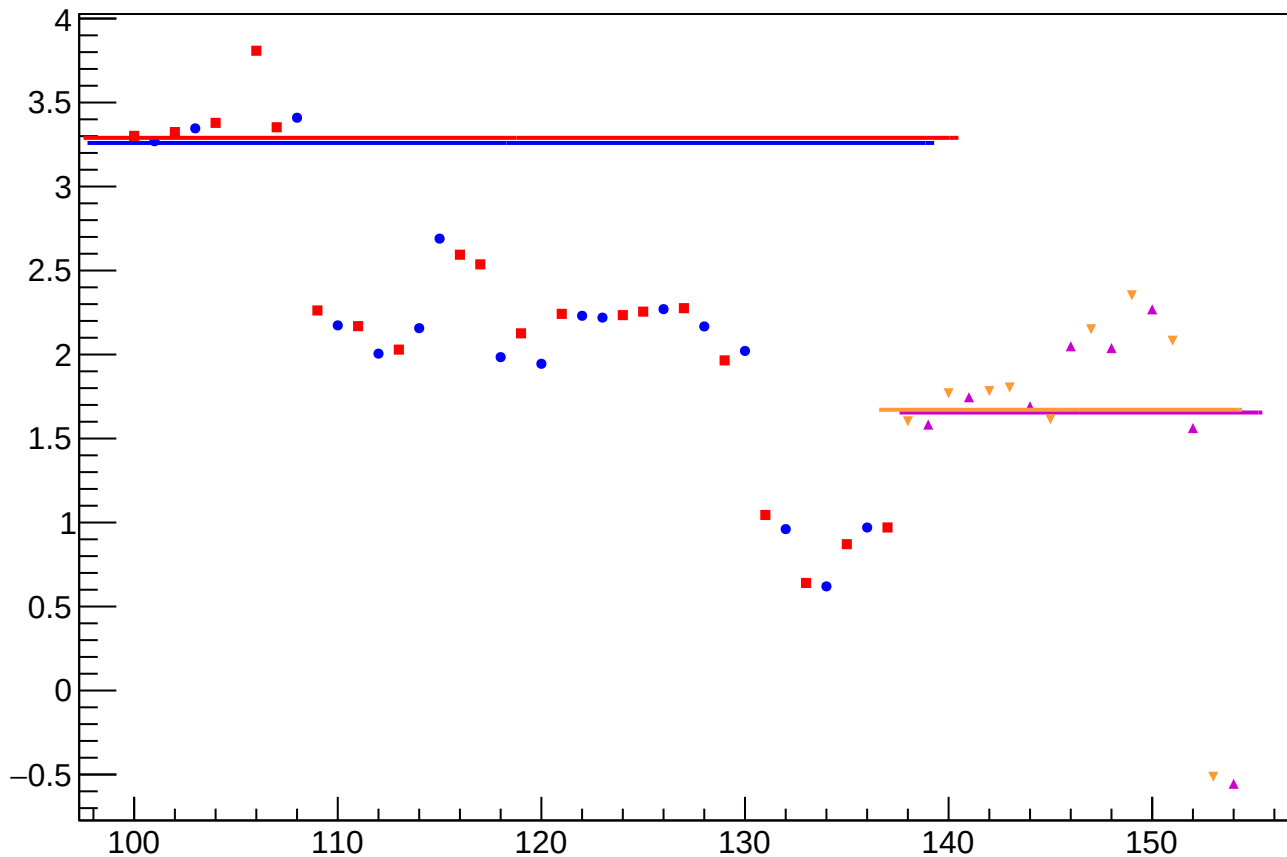
Right Out: 0.006+/-0.000 χ^2/NDF : 8558731.2/19

Left In: 0.043+/-0.000 χ^2/NDF : 4396719.2/7

0.007+/-0.000 χ^2/NDF : 17774986.8/25

0.008+/-0.000 χ^2/NDF : 16795231.5/27

yield_bpm0l03Y_mean vs Slug



Right In: 3.259 $\pm$ 0.000 χ^2 /NDF: 2921931976.8/16

Left Out: 1.671 $\pm$ 0.000 χ^2 /NDF: 413143018.1/8

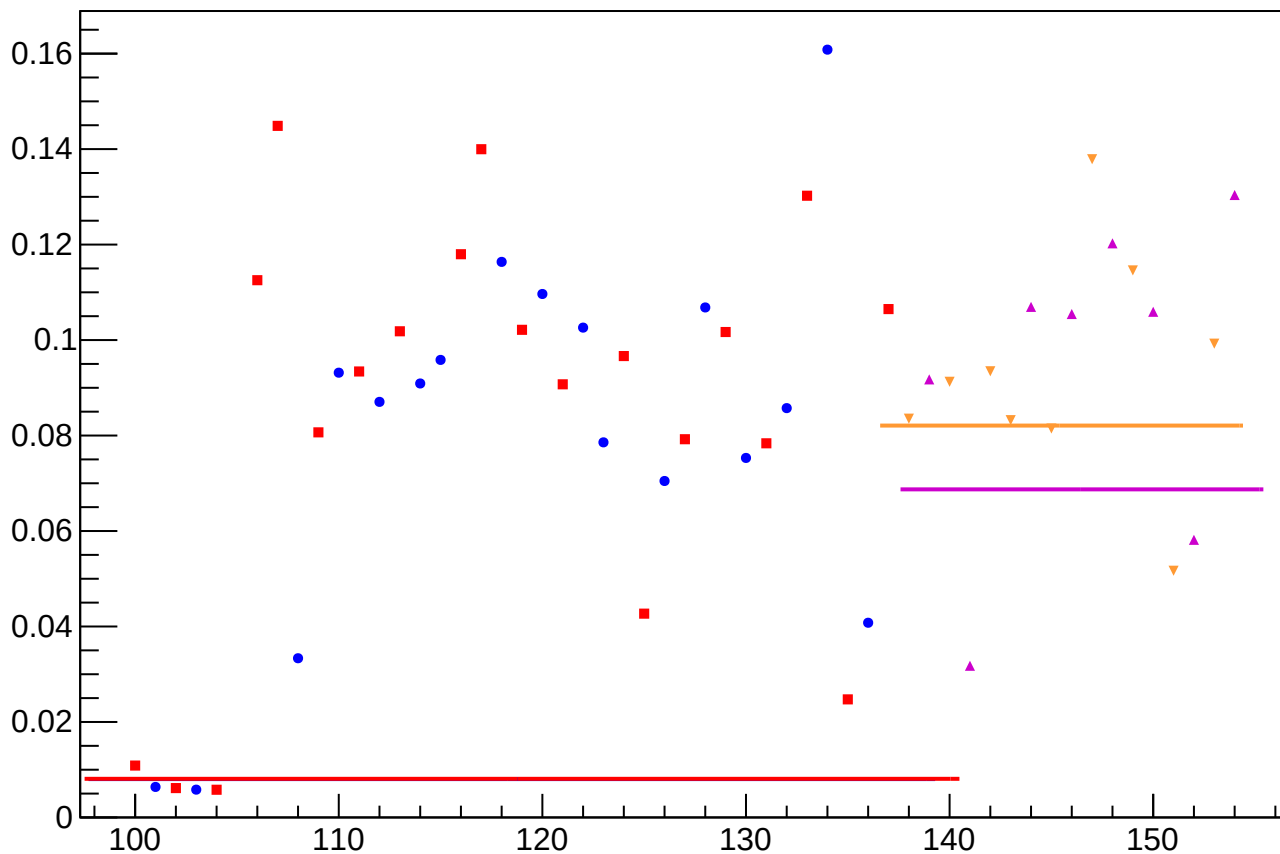
3.217 $\pm$ 0.000 χ^2 /NDF: 5294278674.7/25

Right Out: 3.290 $\pm$ 0.000 χ^2 /NDF: 3263300926.6/19

3.239 $\pm$ 0.000 χ^2 /NDF: 5732550959.2/27

Left In: 1.655 $\pm$ 0.000 χ^2 /NDF: 251436739.3/7

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7742048.1/16

Left Out: 0.082 $\pm$ 0.000 χ^2 /NDF: 798252.9/8

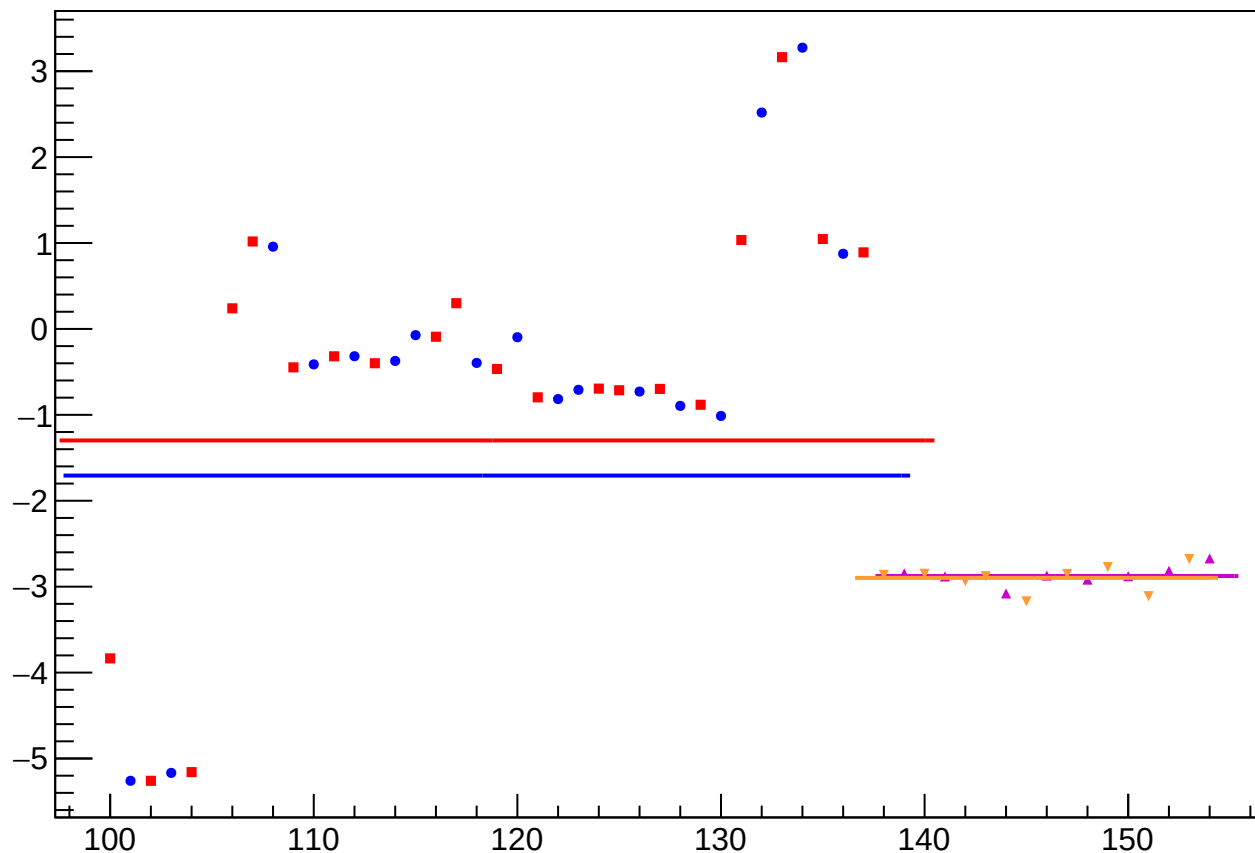
Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8375005.0/19

Left In: 0.069 $\pm$ 0.000 χ^2 /NDF: 2102610.2/7

0.010 $\pm$ 0.000 χ^2 /NDF: 17057985.6/25

0.010 $\pm$ 0.000 χ^2 /NDF: 16576836.4/27

yield_bpm0l04X_mean vs Slug



Right In: -1.707 ± 0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.897 ± 0.000 χ^2/NDF : 2349453061.1/8

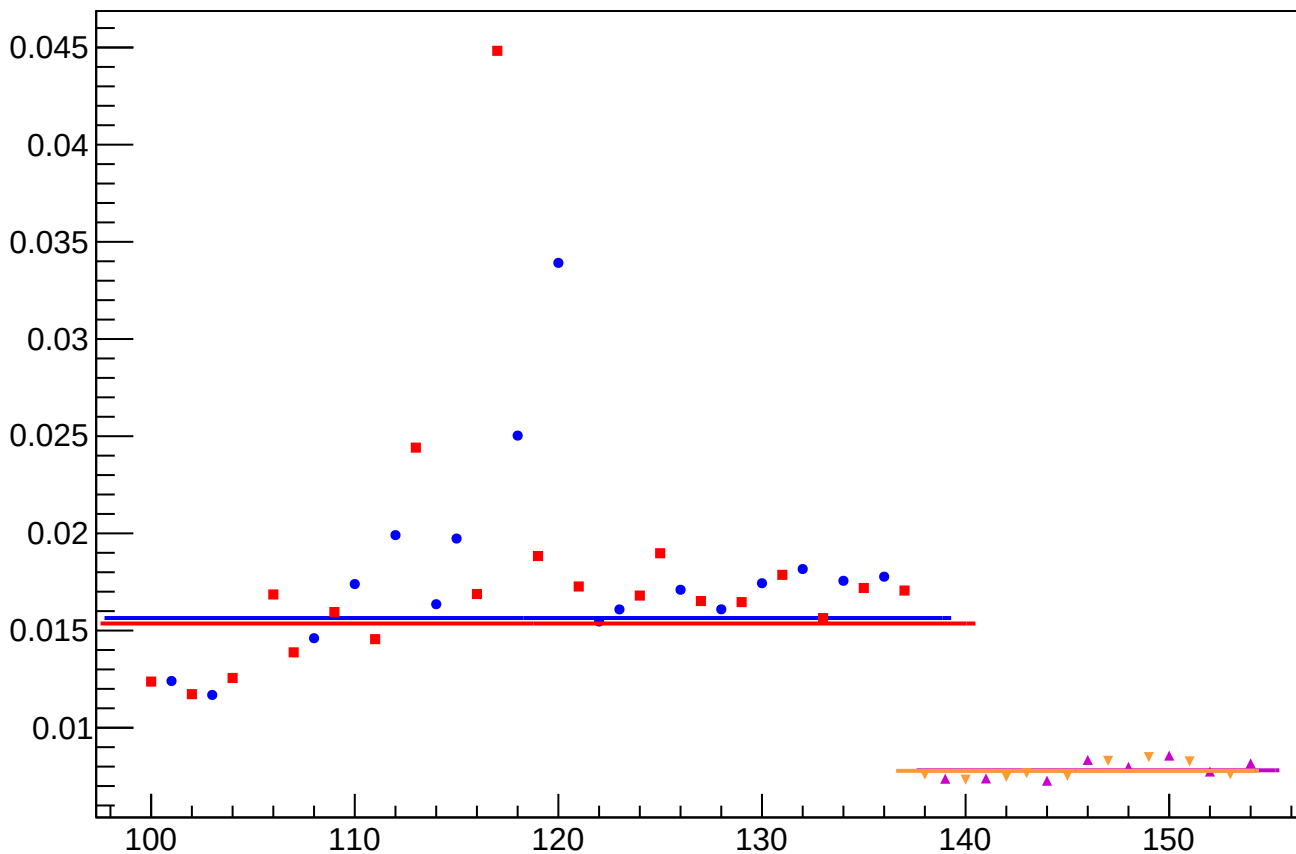
Right Out: -1.298 ± 0.000 χ^2/NDF : 178085926993.4/19

Left In: -2.876 ± 0.000 χ^2/NDF : 1233818884.9/7

-2.682 ± 0.000 χ^2/NDF : 195057935422.4/25

-2.553 ± 0.000 χ^2/NDF : 231497229769.4/27

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 : 32509.2/8

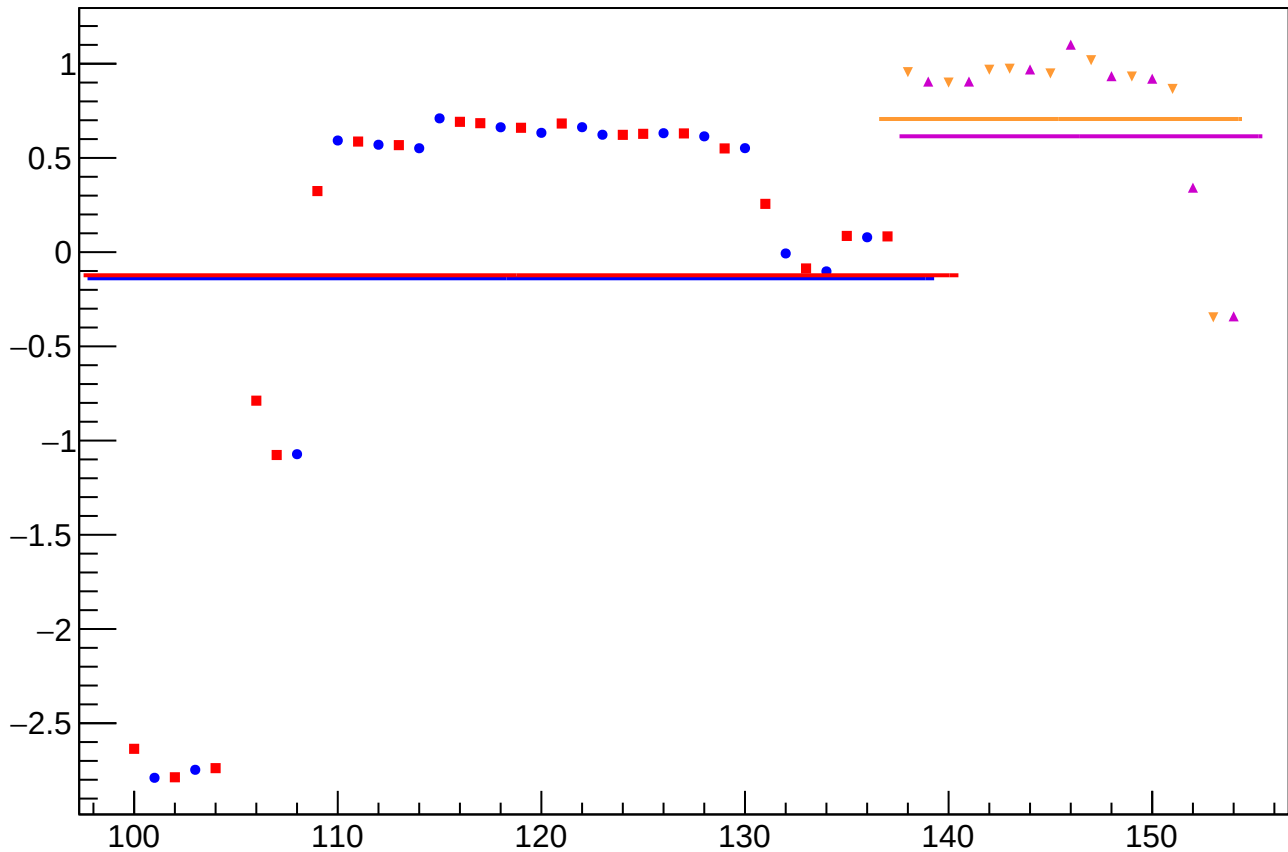
Right Out: 0.015+/-0.000 χ^2/NDF : 387283.2/19

Left In: 0.008+/-0.000 χ^2/NDF : 41888.8/7

0.009+/-0.000 χ^2/NDF : 2929655.2/25

0.009+/-0.000 χ^2/NDF : 2820838.7/27

yield_bpm0l04Y_mean vs Slug



Right In: -0.139+/-0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.707+/-0.000 χ^2/NDF :32630549236.0/8

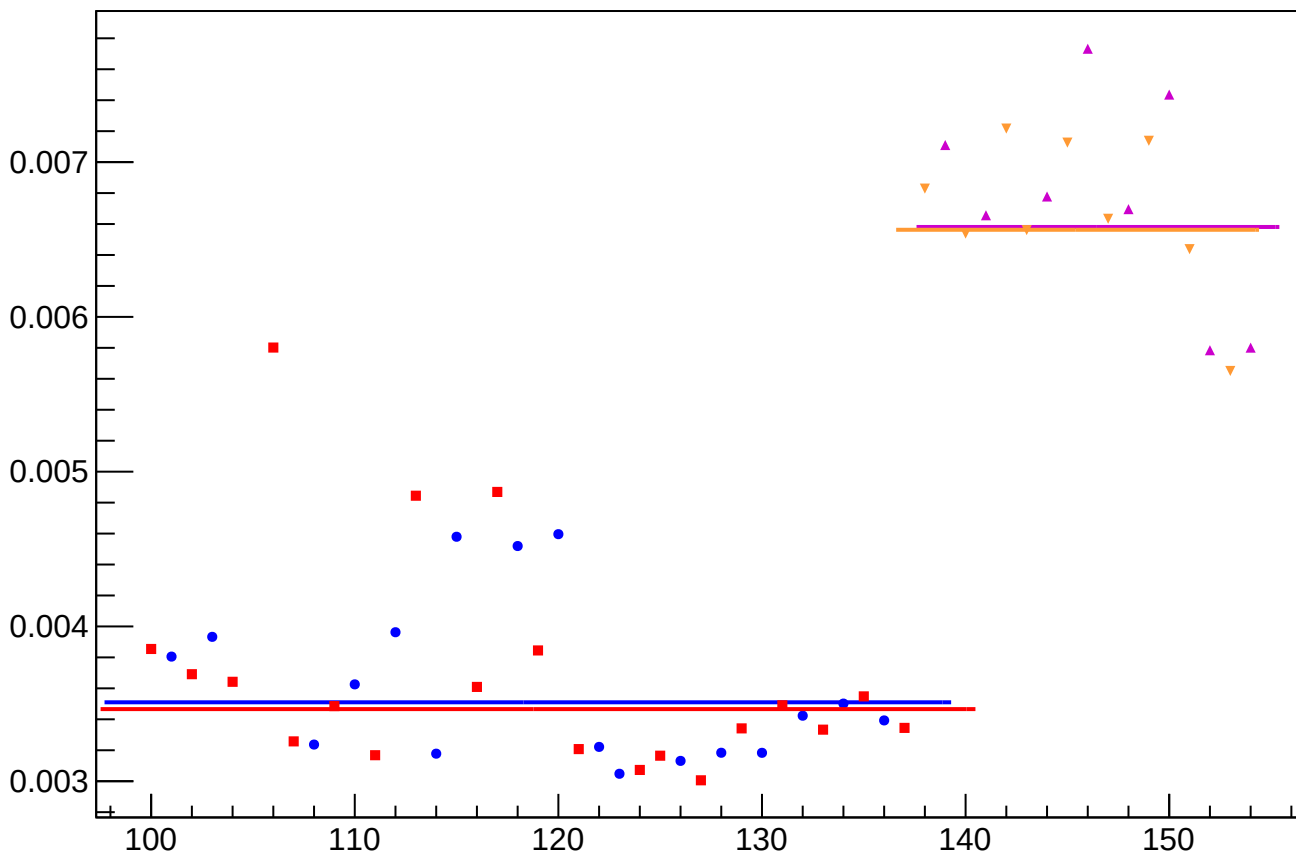
0.034+/-0.000 χ^2/NDF : 822303531952.4/25

Right Out: -0.123+/-0.000 χ^2/NDF : 762580598699.5/19

0.018+/-0.000 χ^2/NDF : 854544824288.2/27

Left In: 0.615+/-0.000 χ^2/NDF :33459532867.3/7

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 171337.9/16

Left Out: 0.007+/-0.000 χ^2/NDF : 65635.5/8

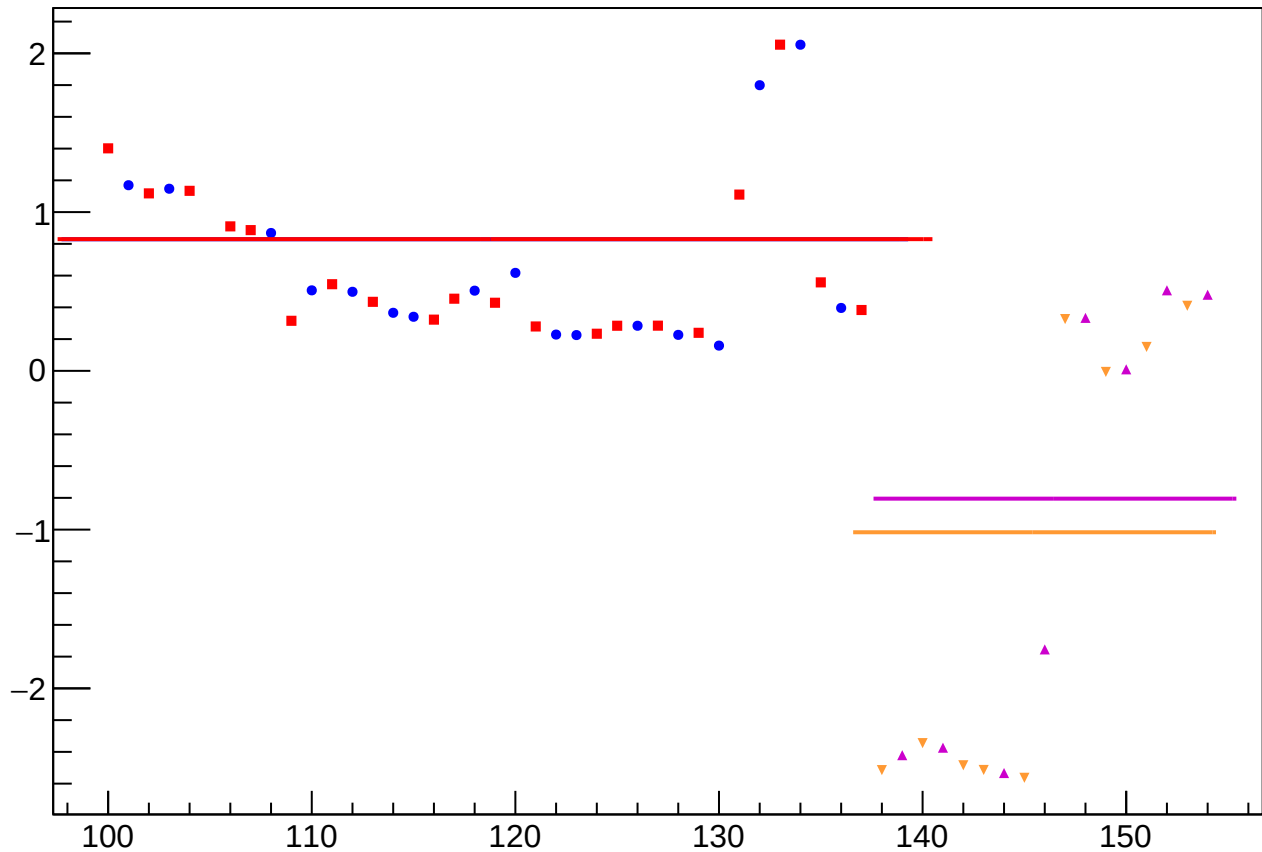
Right Out: 0.003+/-0.000 χ^2/NDF : 222524.1/19

Left In: 0.007+/-0.000 χ^2/NDF : 114654.0/7

0.004+/-0.000 χ^2/NDF : 2183269.1/25

0.004+/-0.000 χ^2/NDF : 2424040.0/27

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000 χ^2/NDF : 31718573821.2/16

Left Out: -1.017+/-0.000 χ^2/NDF : 289518570637.8/8

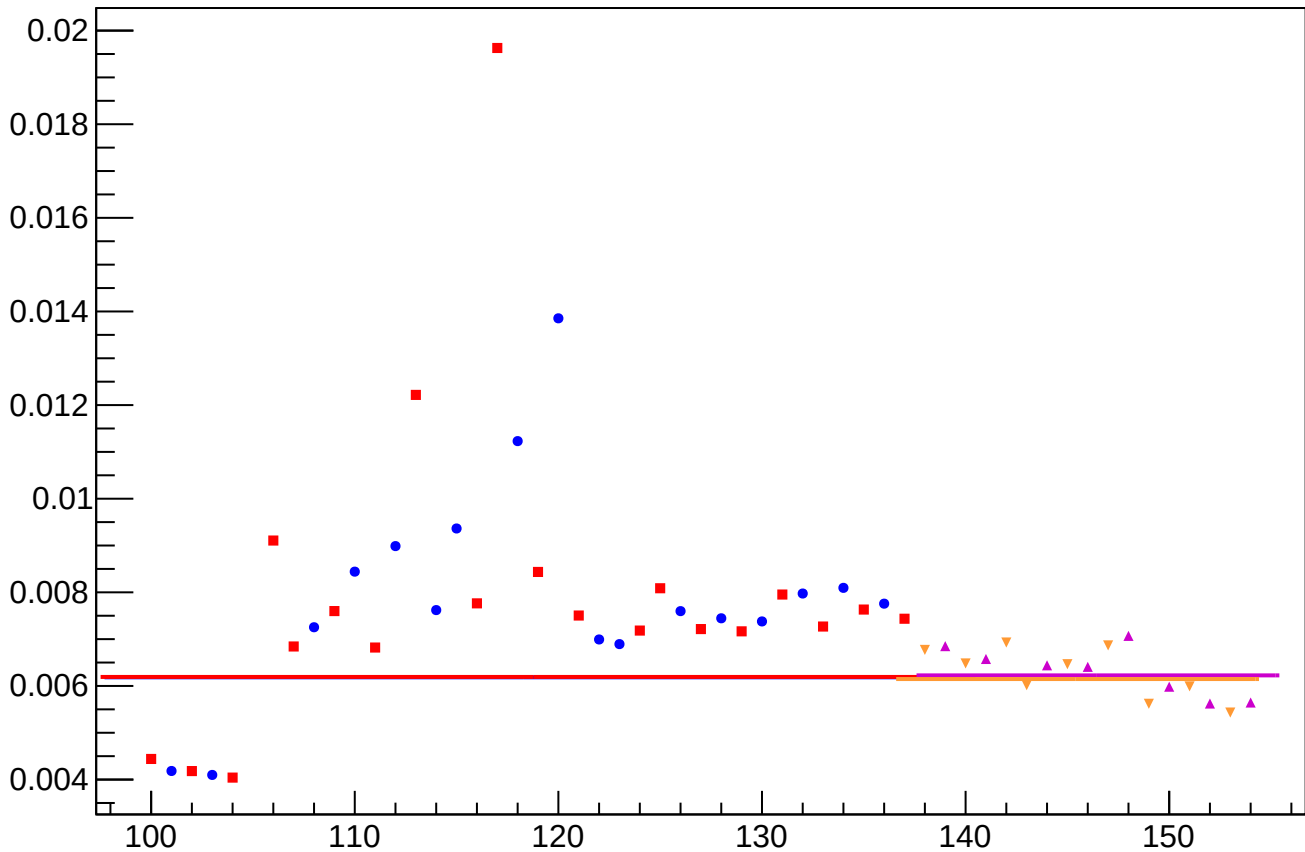
Right Out: 0.830+/-0.000 χ^2/NDF : 33349713412.0/19

Left In: -0.805+/-0.000 χ^2/NDF : 271180027944.8/7

-0.154+/-0.000 χ^2/NDF : 573486491169.4/25

0.002+/-0.000 χ^2/NDF : 510177505719.3/27

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 : 85699.8/8

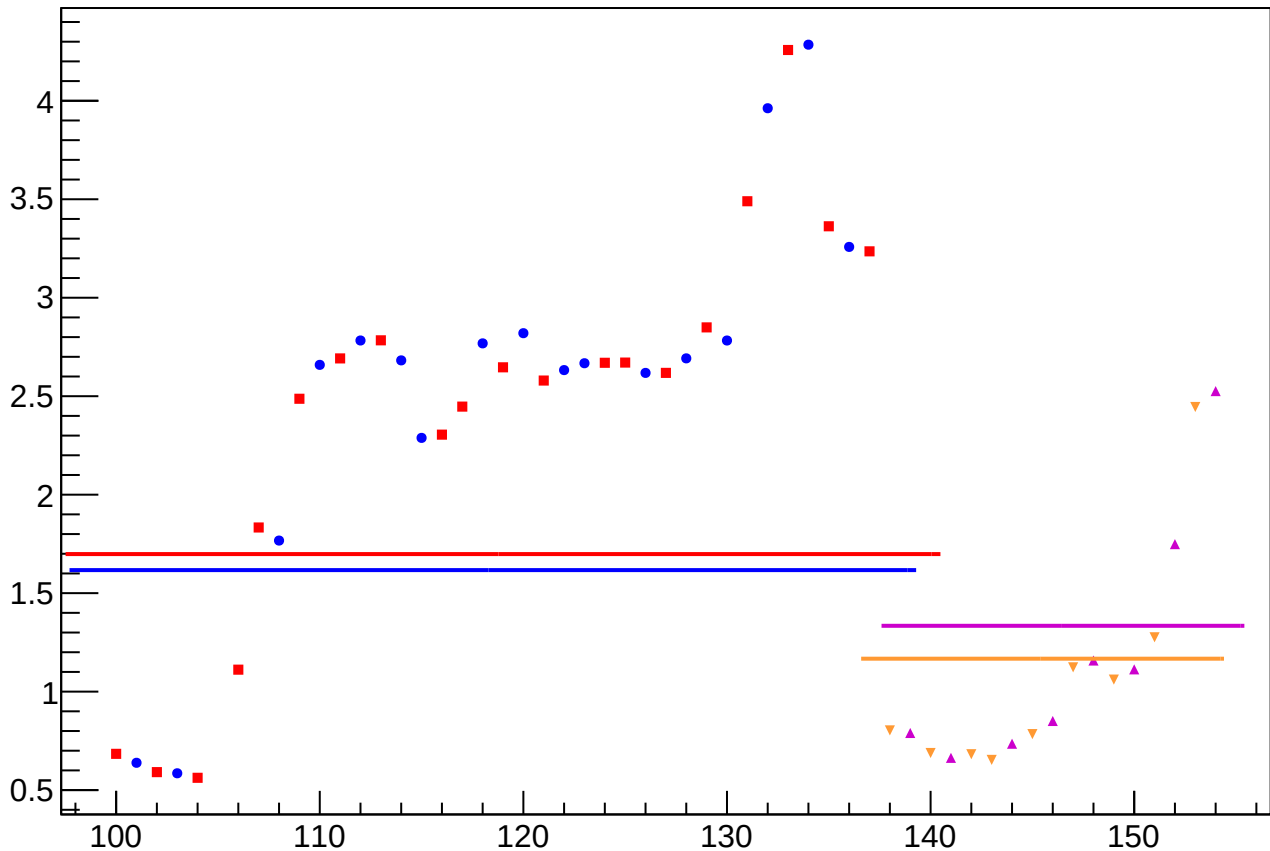
Right Out: 0.006+/-0.000 χ^2/NDF : 1062886.2/19

Left In: 0.006+/-0.000 χ^2/NDF : 76513.5/7

0.006+/-0.000 χ^2/NDF : 1314866.3/25

0.006+/-0.000 χ^2/NDF : 1139571.8/27

yield_bpm0l05Y_mean vs Slug



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 1.167+/-0.000 χ^2/NDF : 59246786111.8/8

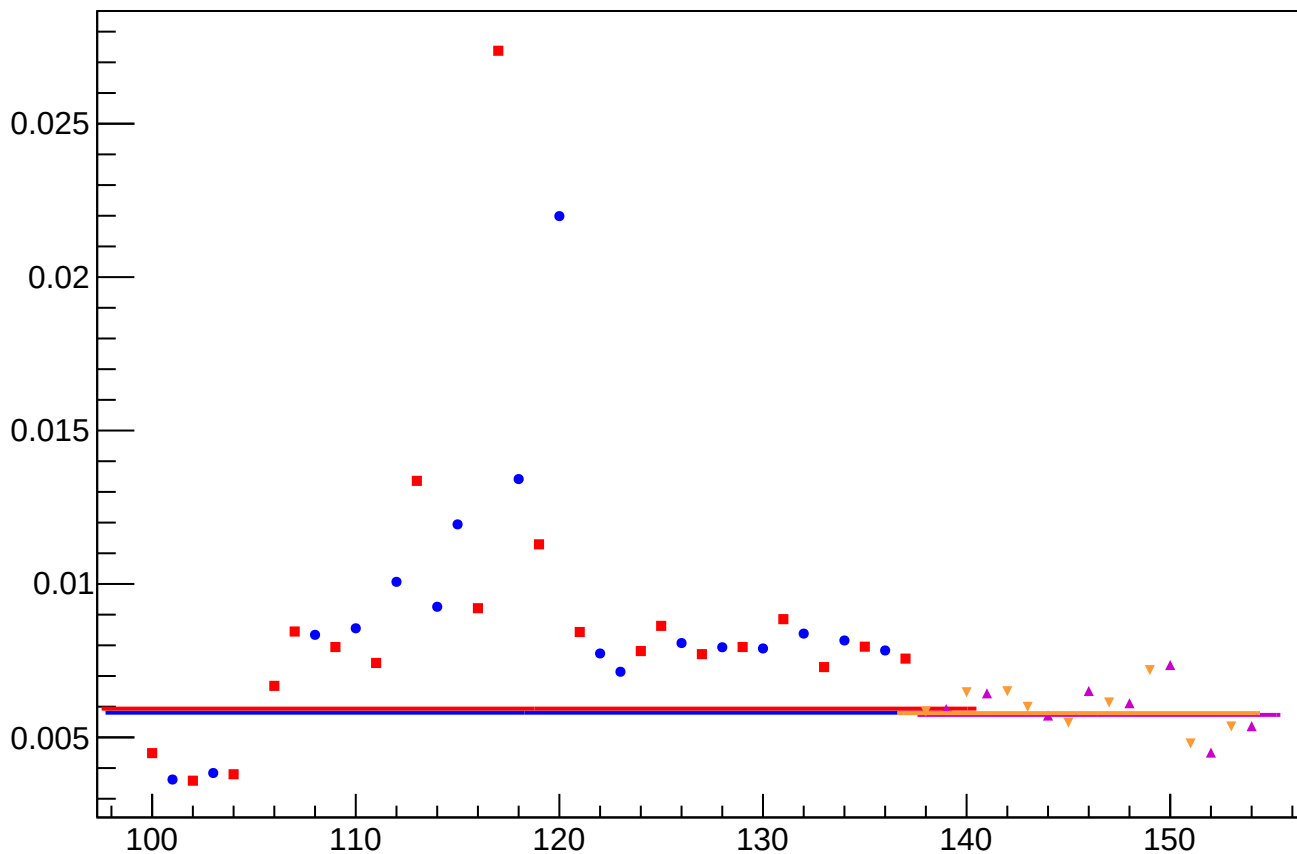
1.378+/-0.000 χ^2/NDF : 277534789498.7/25

Right Out: 1.698+/-0.000 χ^2/NDF : 227436227264.4/19

1.507+/-0.000 χ^2/NDF : 309840867028.6/27

Left In: 1.334+/-0.000 χ^2/NDF : 71782656485.3/7

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 :147204.2/8

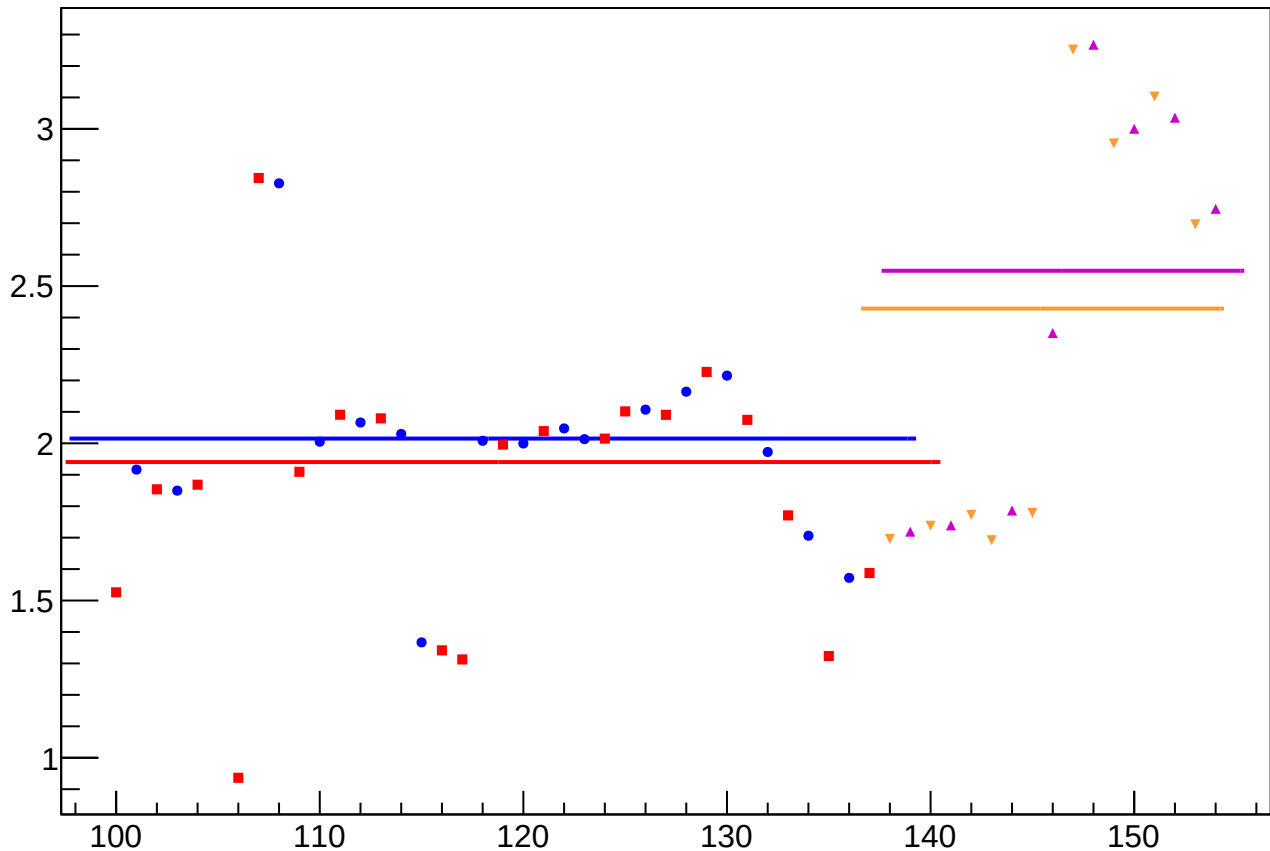
Right Out: 0.006+/-0.000 χ^2/NDF : 1731283.0/19

Left In: 0.006+/-0.000 χ^2/NDF :232005.5/7

0.006+/-0.000 χ^2/NDF : 2065224.2/25

0.006+/-0.000 χ^2/NDF : 1969950.1/27

yield_bpm0l06X_mean vs Slug



Right In: 2.015+/-0.000 χ^2/NDF : 12228403202.6/16

Left Out: 2.428+/-0.000 χ^2/NDF : 43439293670.0/8

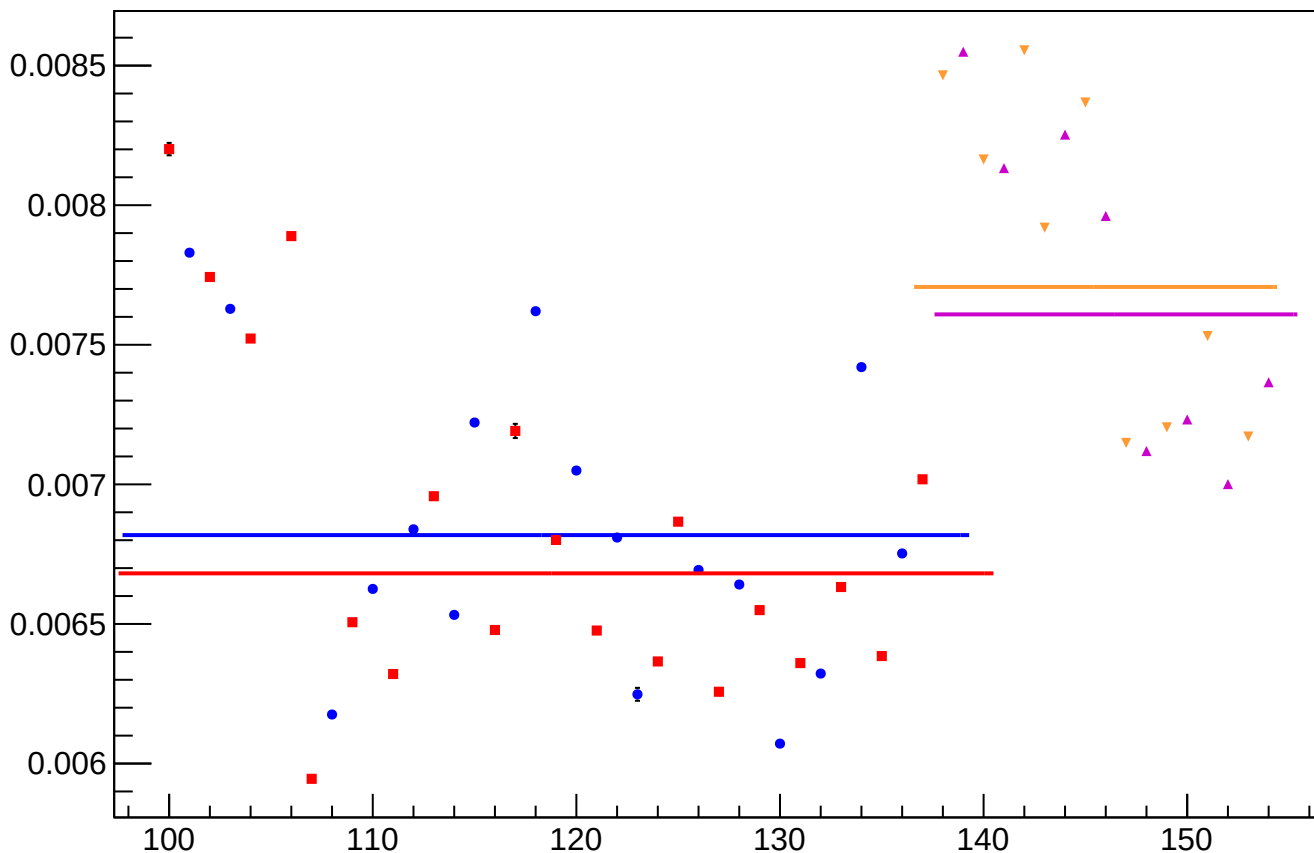
2.193+/-0.000 χ^2/NDF : 65754861202.4/25

Right Out: 1.940+/-0.000 χ^2/NDF : 21732099424.5/19

2.192+/-0.000 χ^2/NDF : 82345560801.5/27

Left In: 2.549+/-0.000 χ^2/NDF : 37239559112.5/7

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 :59255.8/8

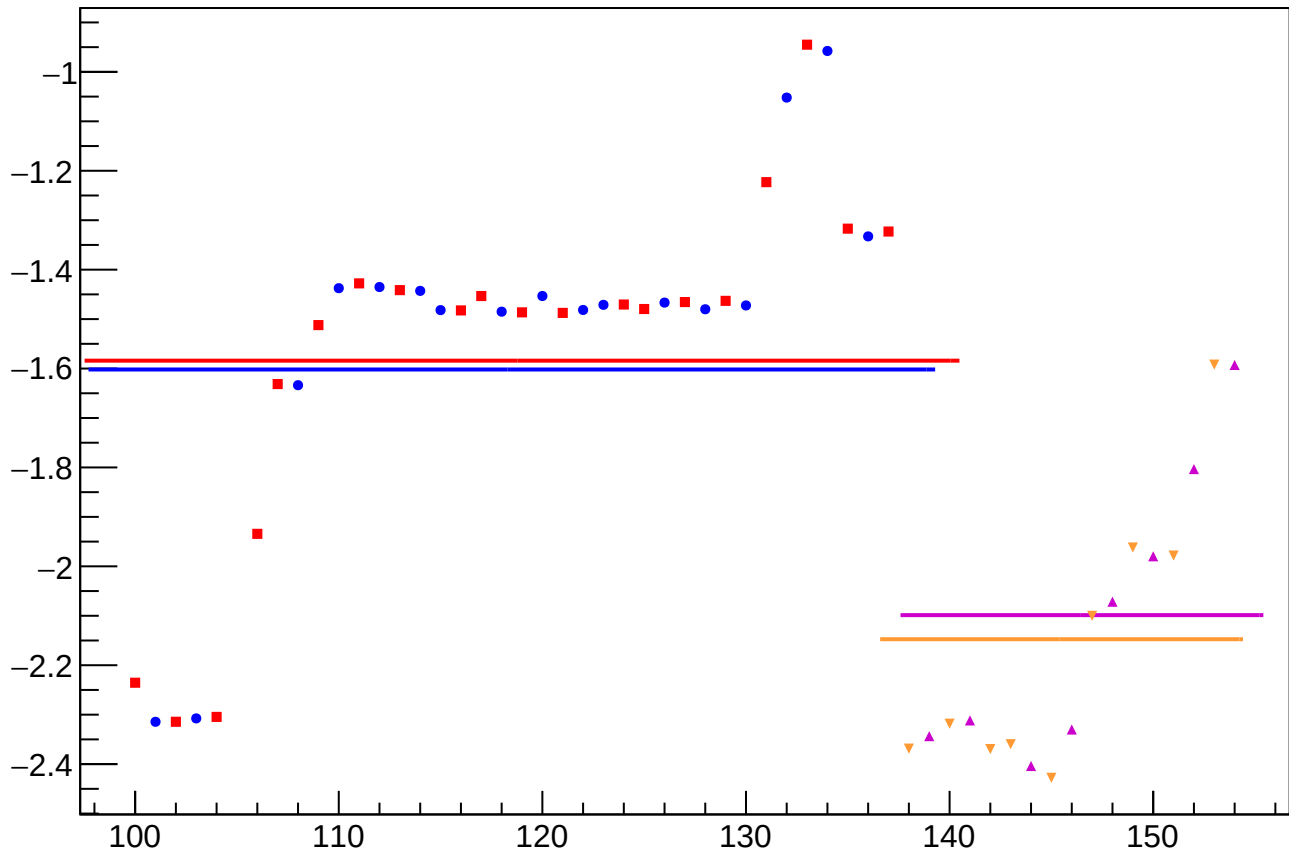
Right Out: 0.007+/-0.000 χ^2/NDF : 76121.2/19

Left In: 0.008+/-0.000 χ^2/NDF :60957.2/7

0.007+/-0.000 χ^2/NDF : 228343.9/25

0.007+/-0.000 χ^2/NDF : 245771.9/27

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -2.147+/-0.000 χ^2/NDF : 52384441623.8/8

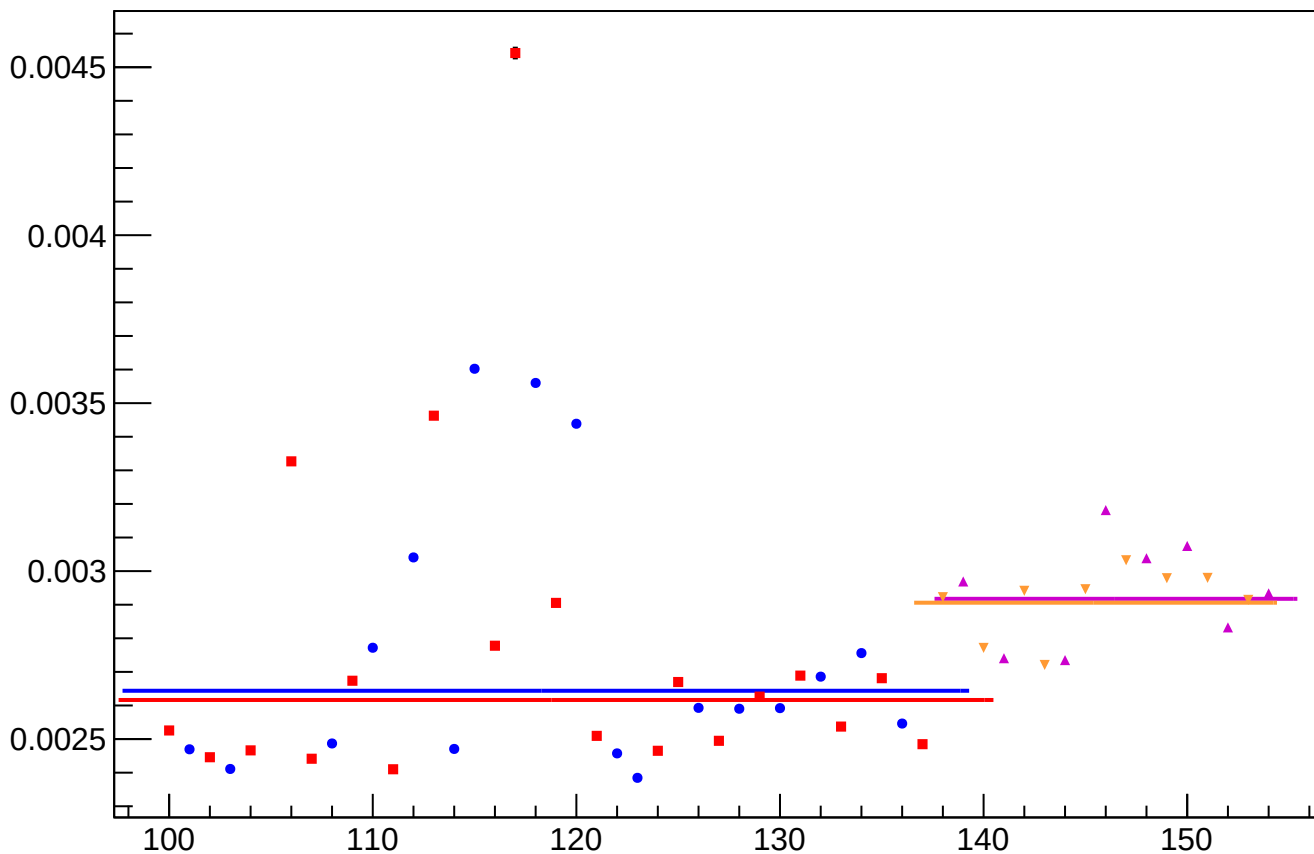
-1.843+/-0.000 χ^2/NDF : 310876943512.7/25

Right Out: -1.584+/-0.000 χ^2/NDF : 143612120137.8/19

-1.801+/-0.000 χ^2/NDF : 310406660014.4/27

Left In: -2.099+/-0.000 χ^2/NDF : 57157836531.5/7

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 :13862.9/8

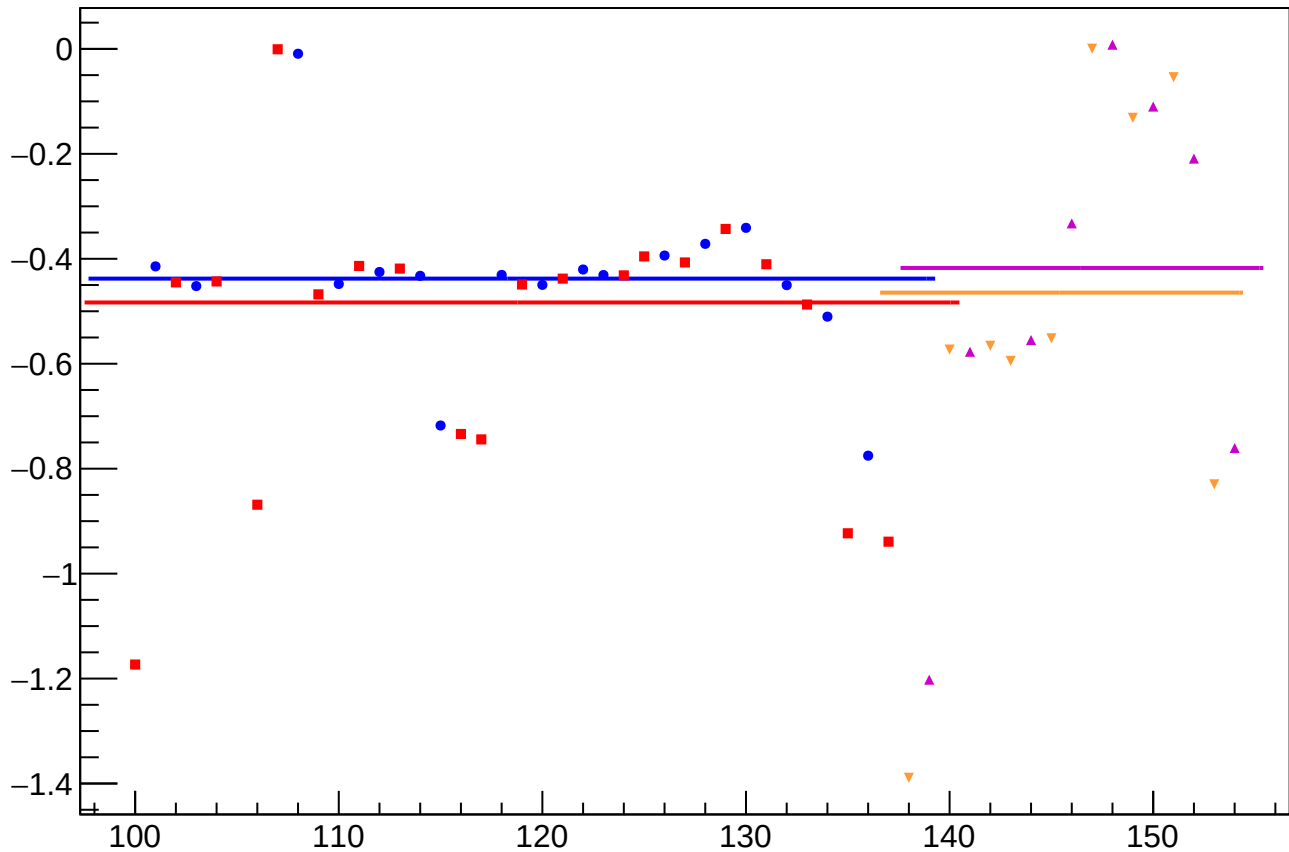
Right Out: 0.003+/-0.000 χ^2/NDF : 119852.1/19

Left In: 0.003+/-0.000 χ^2/NDF :32032.0/7

0.003+/-0.000 χ^2/NDF : 219877.7/25

0.003+/-0.000 χ^2/NDF : 226956.7/27

yield_bpm0l07X_mean vs Slug



Right In: -0.438 ± 0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.464 ± 0.000 χ^2/NDF : 6221907744.0/8

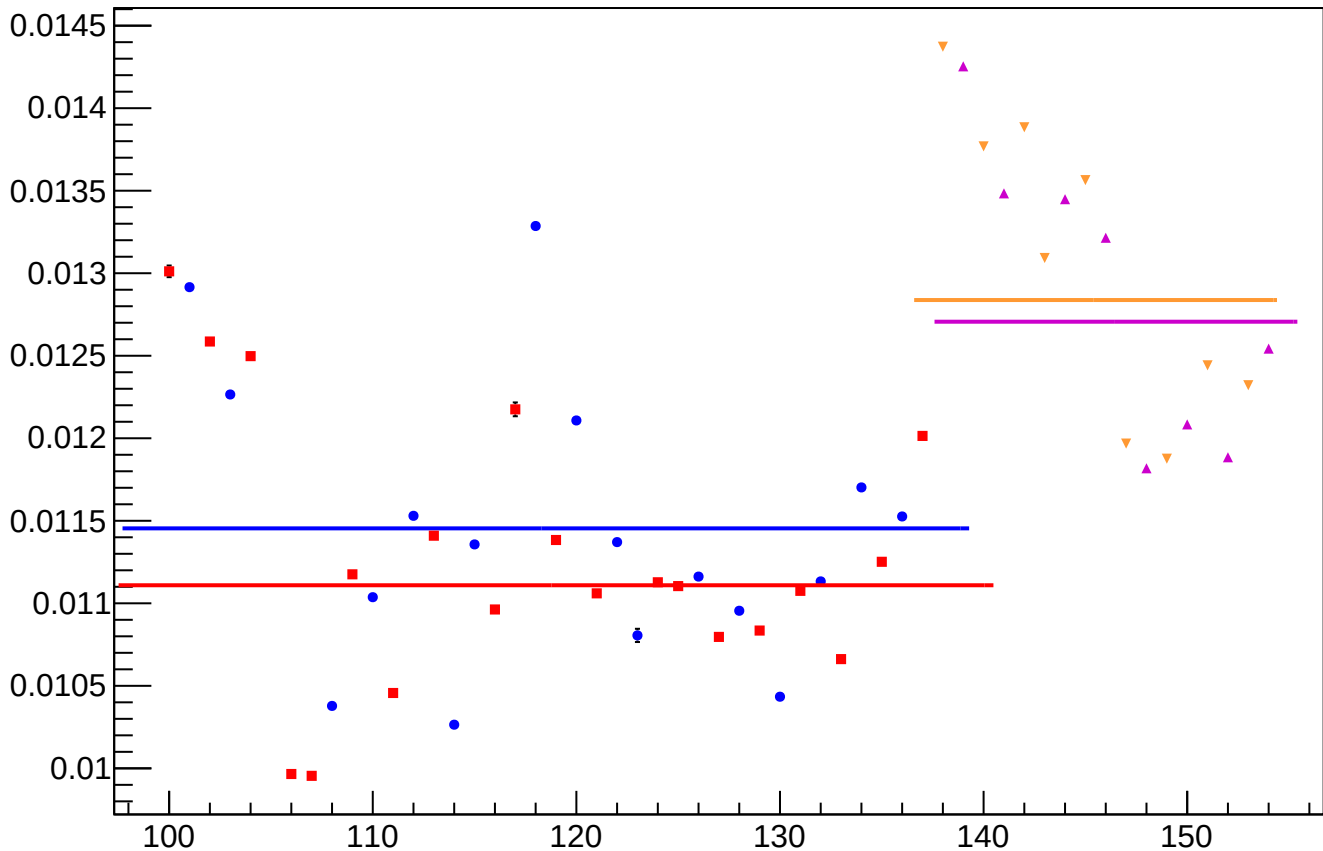
Right Out: -0.483 ± 0.000 χ^2/NDF : 2714164016.2/19

Left In: -0.417 ± 0.000 χ^2/NDF : 4594564735.5/7

-0.449 ± 0.000 χ^2/NDF : 7699557508.9/25

-0.457 ± 0.000 χ^2/NDF : 7407482552.7/27

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 :53561.8/8

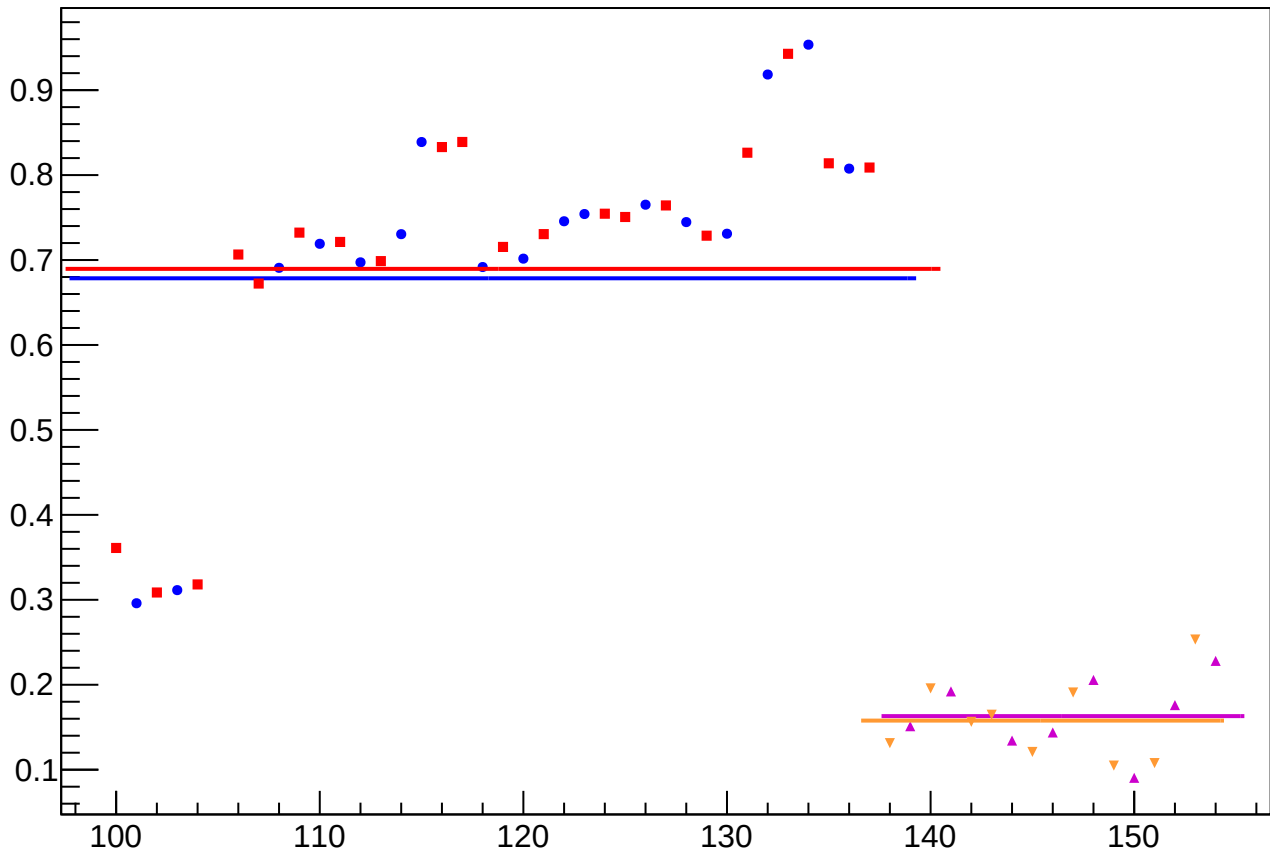
Right Out: 0.011+/-0.000 χ^2/NDF : 56696.9/19

Left In: 0.013+/-0.000 χ^2/NDF :48767.9/7

0.012+/-0.000 χ^2/NDF : 199906.3/25

0.012+/-0.000 χ^2/NDF : 221964.7/27

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38506442638.3/16

Left Out: 0.158 $\pm$ 0.000 χ^2 /NDF: 2837090022.5/8

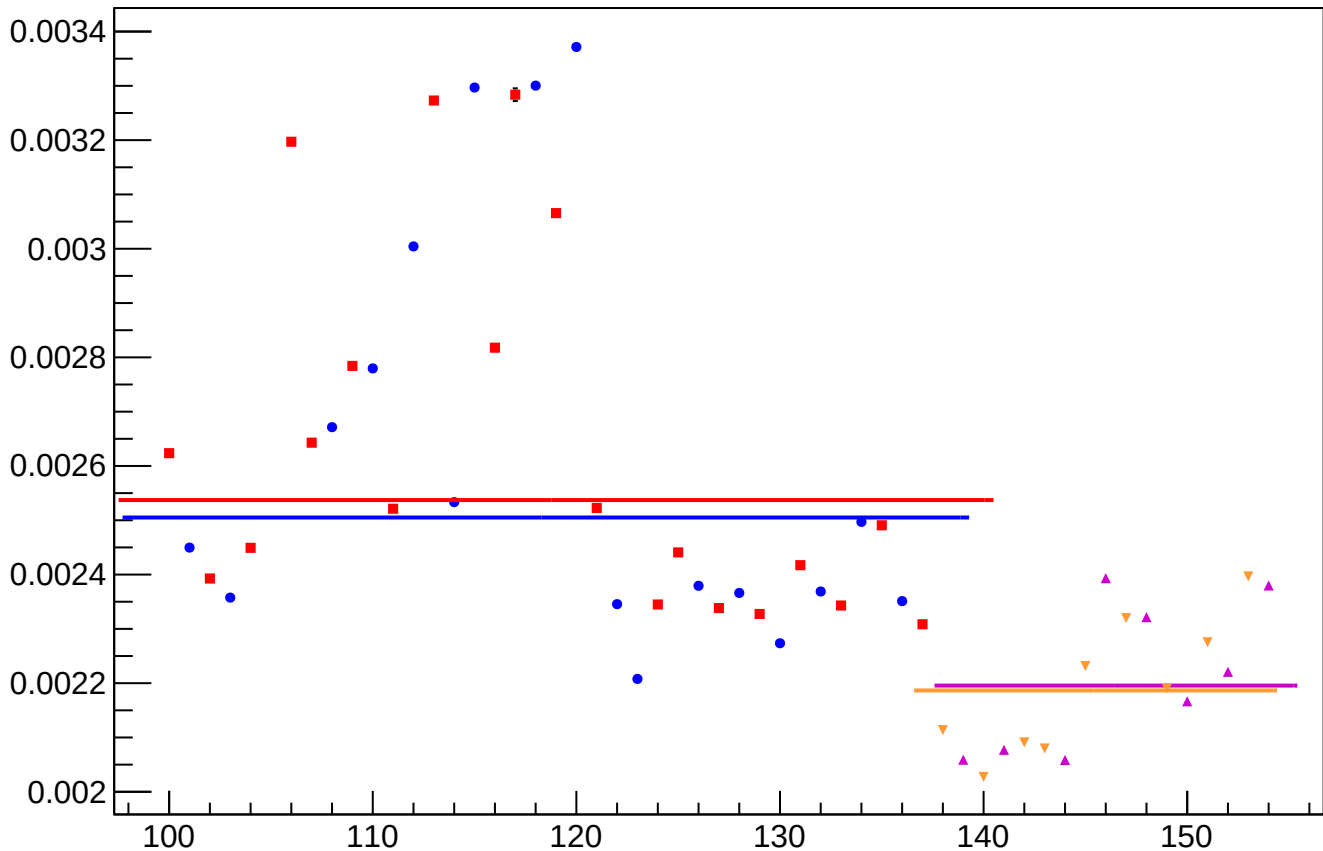
0.381 $\pm$ 0.000 χ^2 /NDF: 198384264129.3/25

Right Out: 0.690 $\pm$ 0.000 χ^2 /NDF: 35439496983.3/19

0.394 $\pm$ 0.000 χ^2 /NDF: 200368116864.3/27

Left In: 0.163 $\pm$ 0.000 χ^2 /NDF: 2290808655.2/7

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 175524.0/16

Left Out: 0.002+/-0.000 χ^2/NDF : 36825.7/8

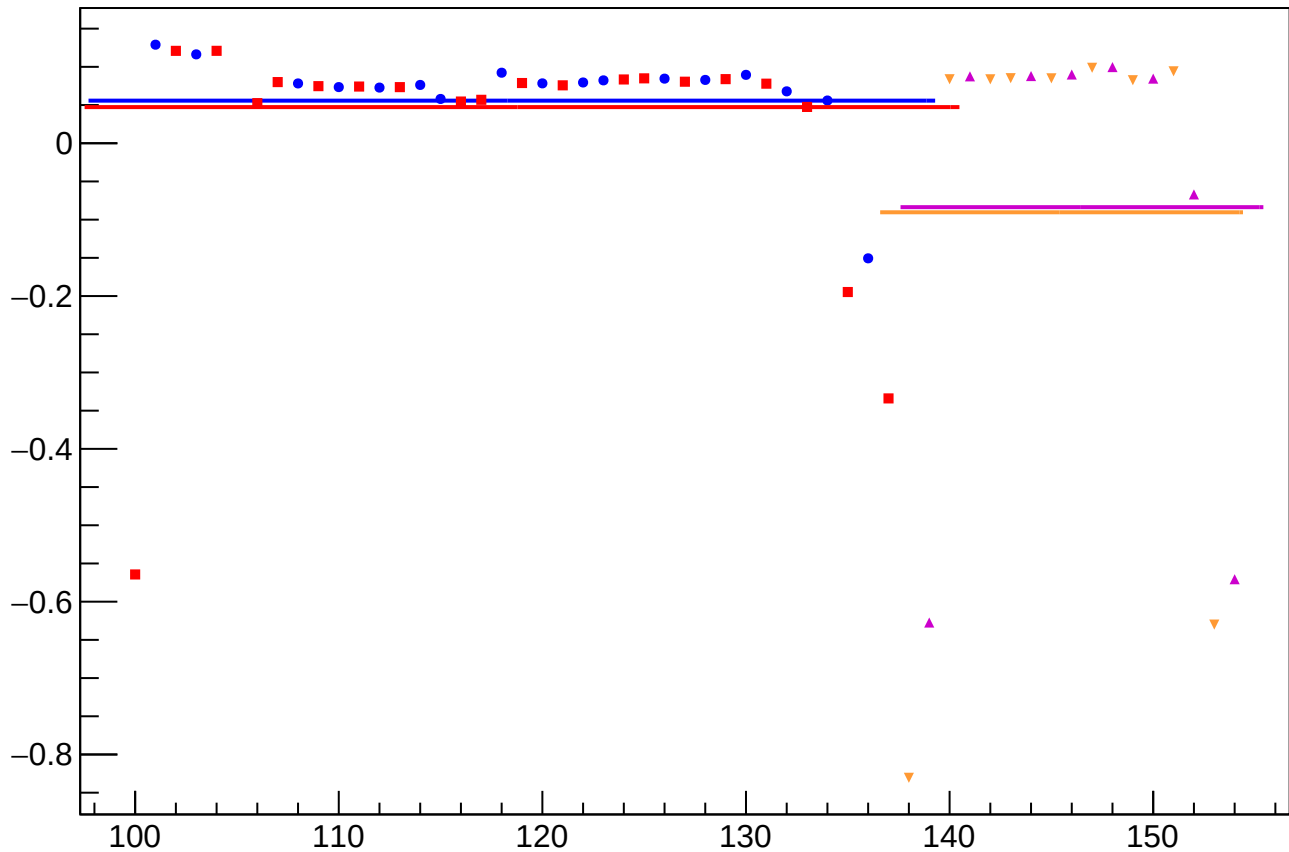
Right Out: 0.003+/-0.000 χ^2/NDF : 135649.7/19

Left In: 0.002+/-0.000 χ^2/NDF : 45042.0/7

0.002+/-0.000 χ^2/NDF : 329864.1/25

0.002+/-0.000 χ^2/NDF : 317628.2/27

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.090+/-0.000 χ^2/NDF : 5178305595.2/8

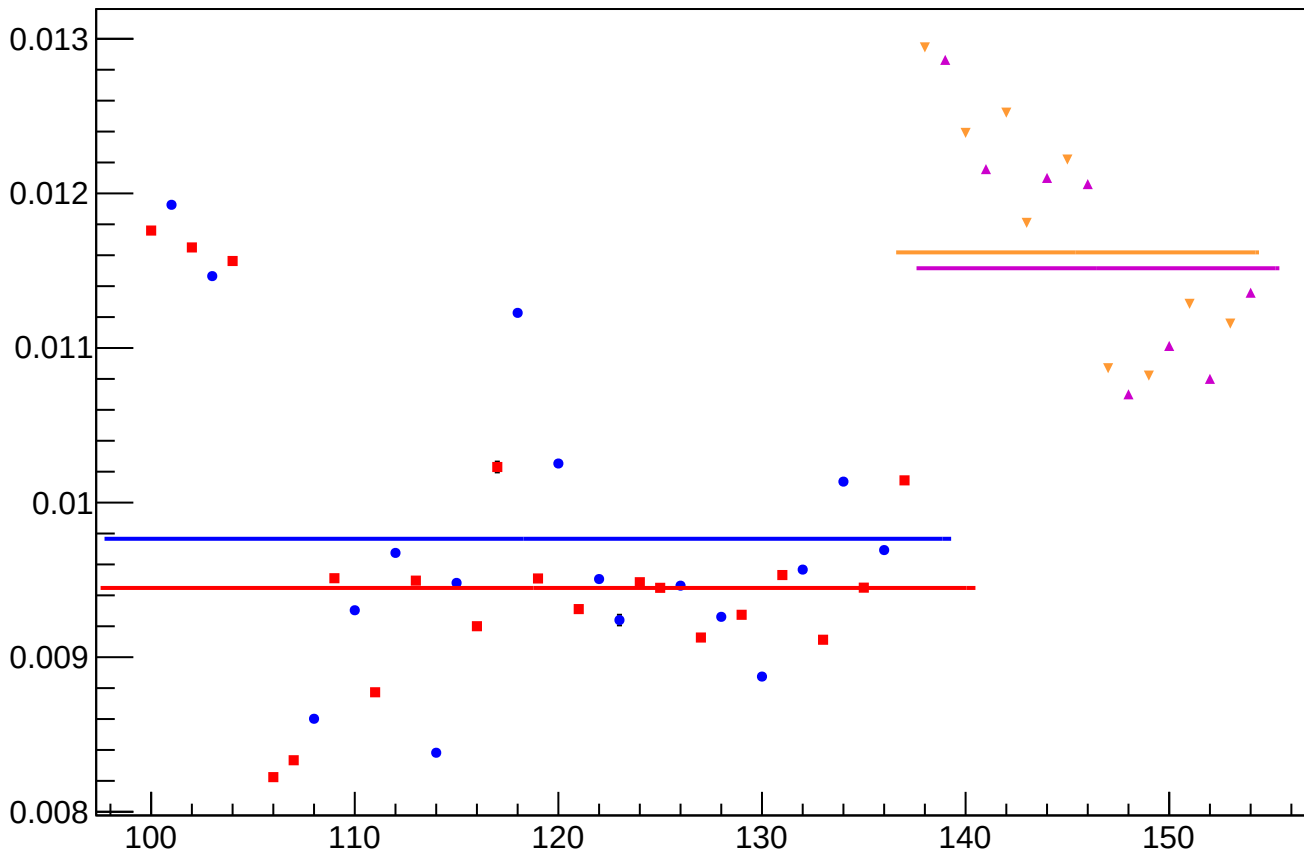
Right Out: 0.047+/-0.000 χ^2/NDF : 819626031.7/19

Left In: -0.084+/-0.000 χ^2/NDF : 3570096410.2/7

-0.003+/-0.000 χ^2/NDF : 6184954953.1/25

-0.002+/-0.000 χ^2/NDF : 4889761486.4/27

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 : 47412.4/8

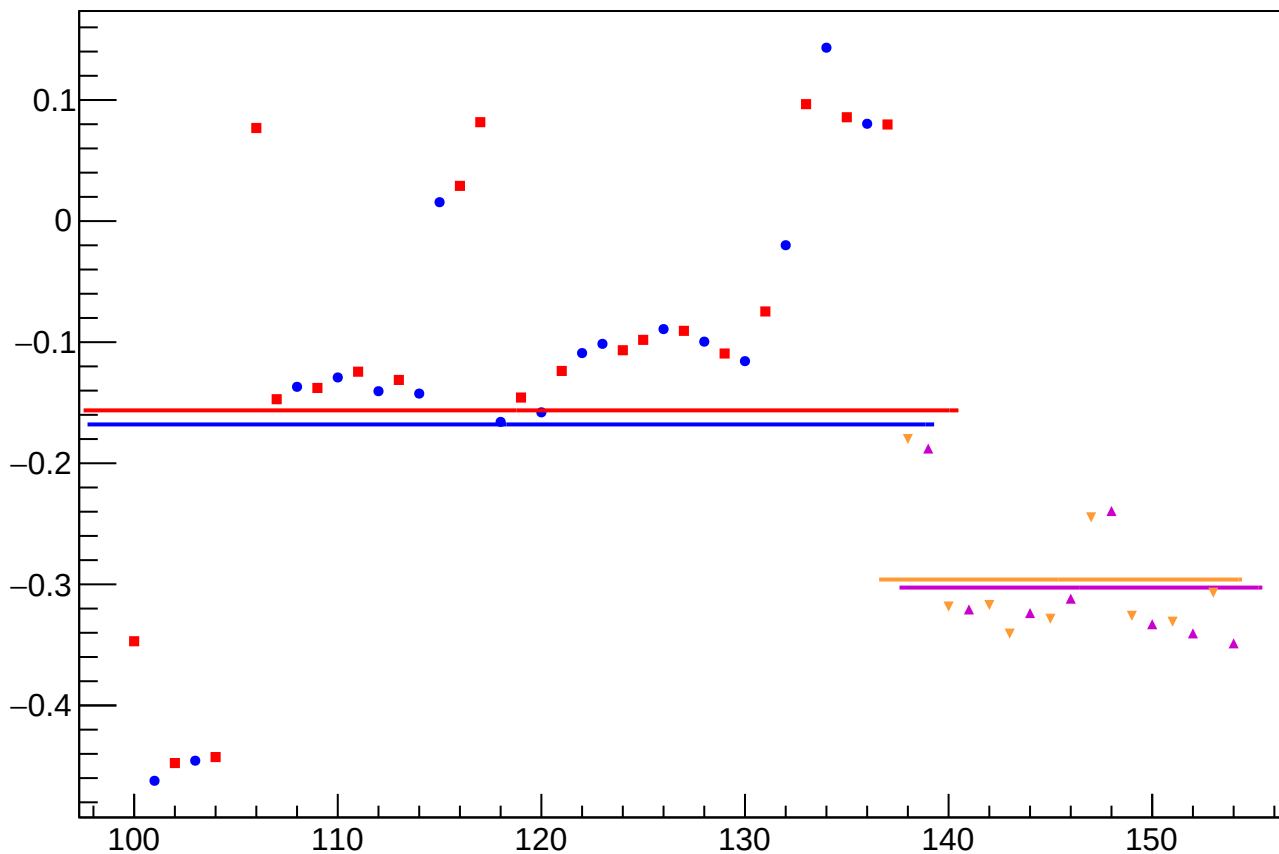
Right Out: 0.009 $\pm$ 0.000 χ^2/NDF : 111197.0/19

Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 45263.8/7

0.011 $\pm$ 0.000 χ^2/NDF : 351688.0/25

0.010 $\pm$ 0.000 χ^2/NDF : 405846.1/27

yield_bpm0l08Y_mean vs Slug



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.296+/-0.000 χ^2/NDF : 1938239074.6/8

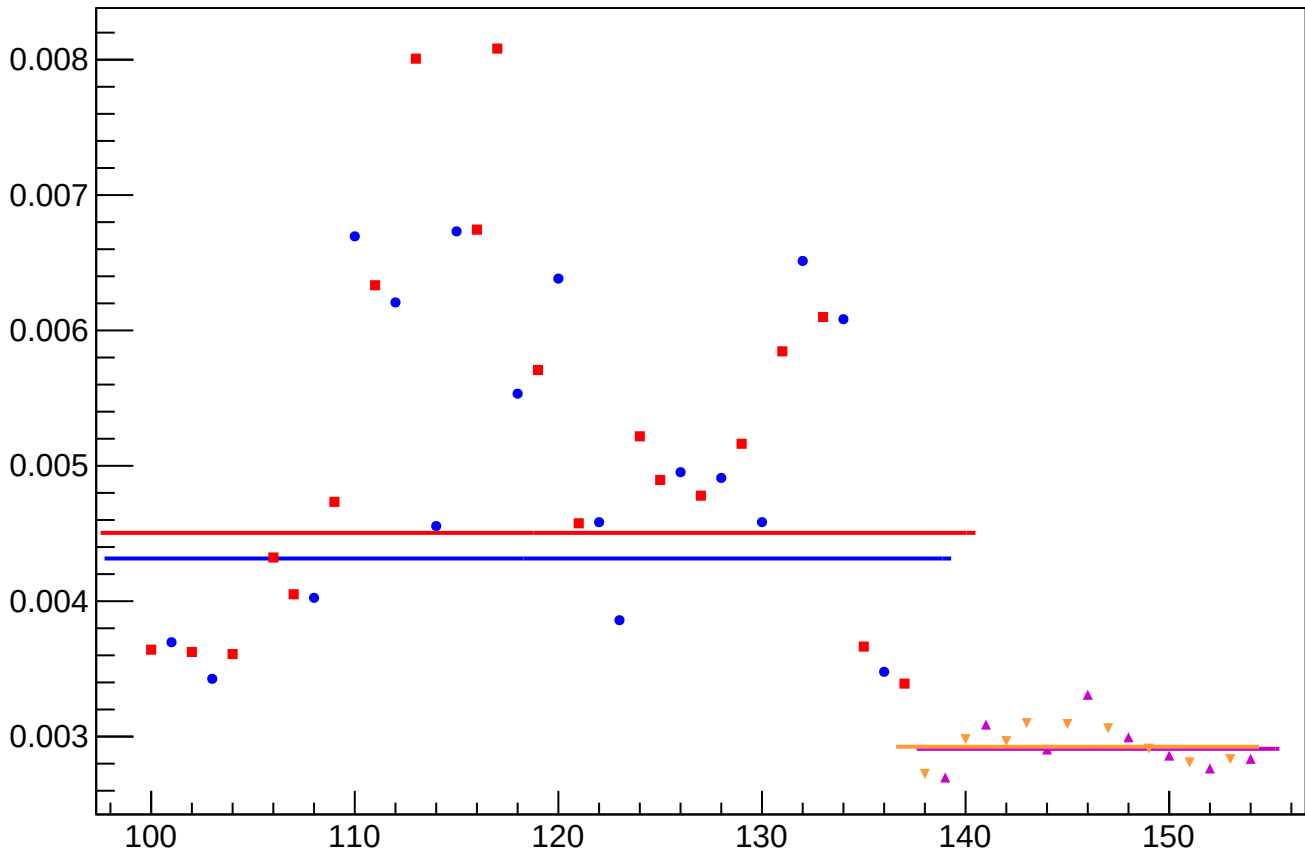
Right Out: -0.156+/-0.000 χ^2/NDF : 11061140252.3/19

Left In: -0.303+/-0.000 χ^2/NDF : 2069743808.9/7

-0.257+/-0.000 χ^2/NDF : 17834916701.9/25

-0.259+/-0.000 χ^2/NDF : 17758565750.2/27

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 :23308.1/8

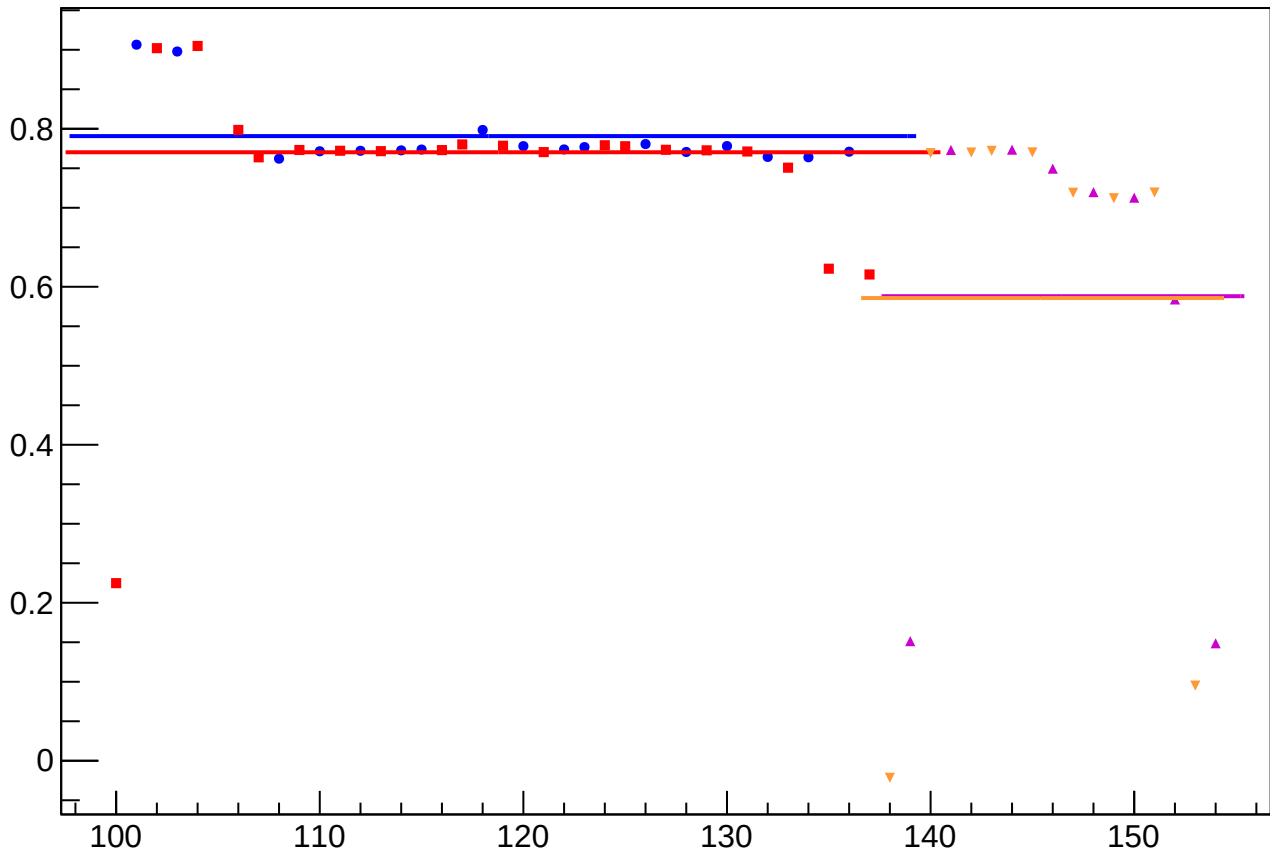
Right Out: 0.005+/-0.000 χ^2/NDF : 665152.6/19

Left In: 0.003+/-0.000 χ^2/NDF :41154.9/7

0.003+/-0.000 χ^2/NDF : 1483193.3/25

0.003+/-0.000 χ^2/NDF : 1806029.9/27

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106705767.1/16

Left Out: 0.586 $\pm$ 0.000 χ^2 /NDF: 4150180954.2/8

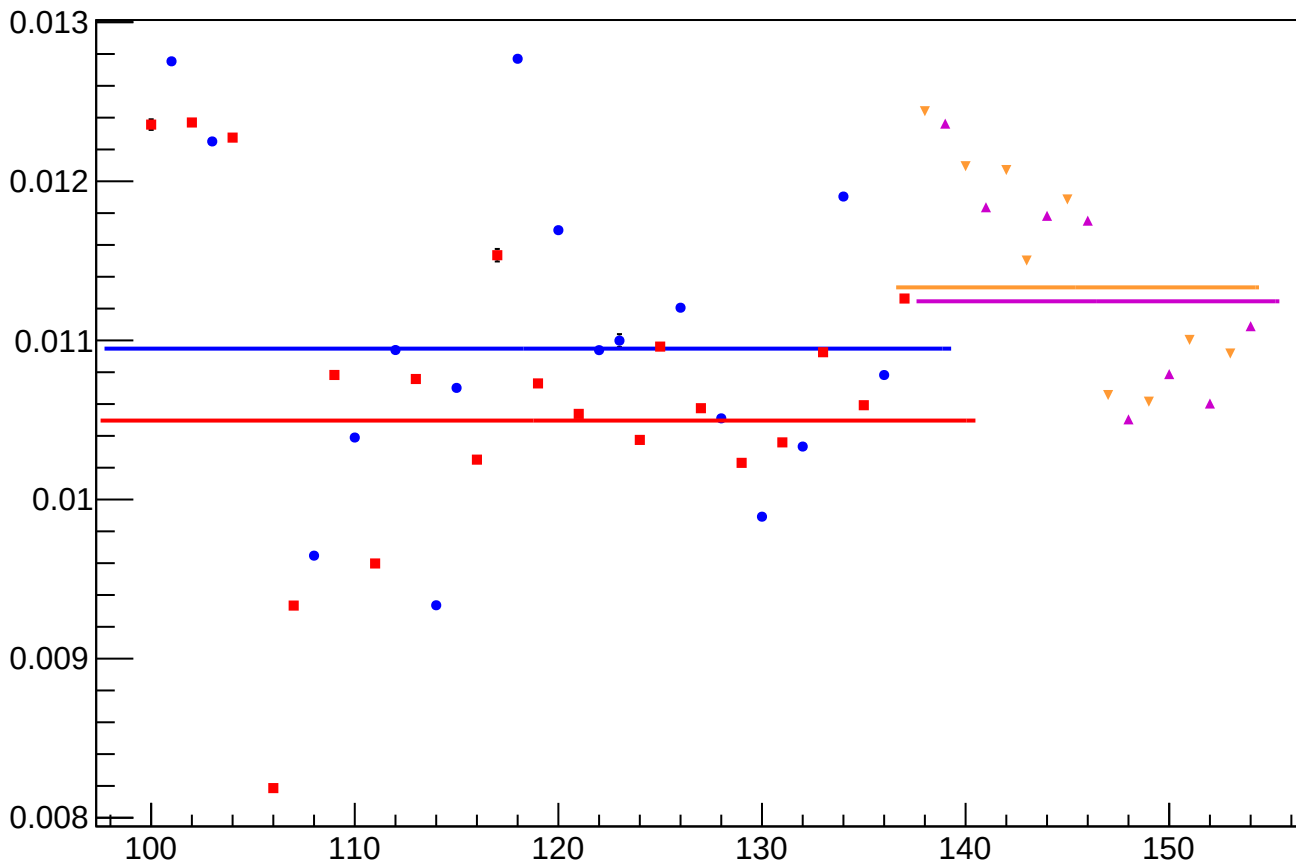
Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375473971.0/19

Left In: 0.588 $\pm$ 0.000 χ^2 /NDF: 2882737455.1/7

0.693 $\pm$ 0.000 χ^2 /NDF: 5330889302.7/25

0.690 $\pm$ 0.000 χ^2 /NDF: 4176366890.3/27

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 98551.4/16

Left Out: 0.011+/-0.000 χ^2/NDF : 39977.6/8

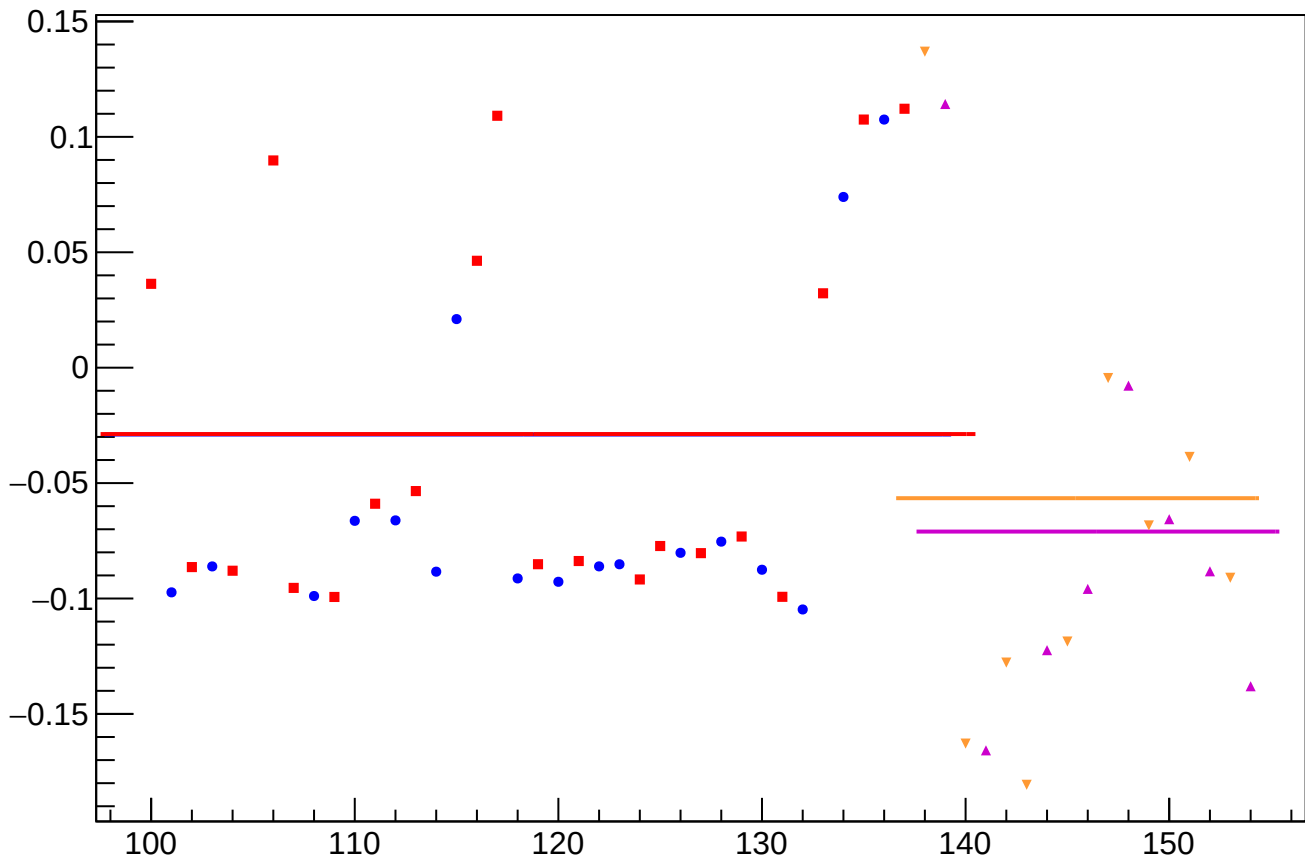
Right Out: 0.010+/-0.000 χ^2/NDF : 120120.6/19

Left In: 0.011+/-0.000 χ^2/NDF : 37853.6/7

0.011+/-0.000 χ^2/NDF : 146103.6/25

0.011+/-0.000 χ^2/NDF : 189050.0/27

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.057+/-0.000 χ^2/NDF : 4883813434.0/8

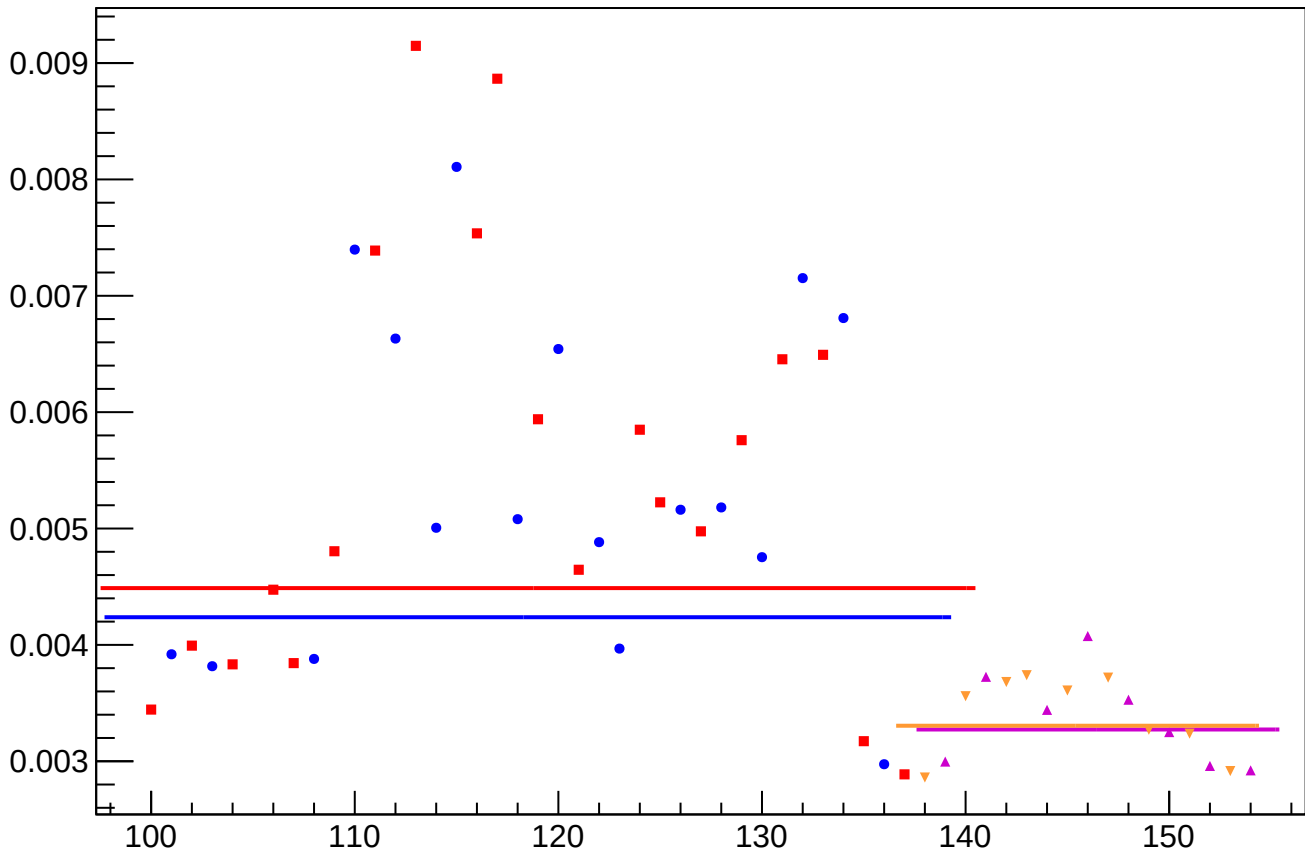
-0.047+/-0.000 χ^2/NDF : 7478256747.1/25

Right Out: -0.029+/-0.000 χ^2/NDF : 2122918772.1/19

-0.056+/-0.000 χ^2/NDF : 6288443965.3/27

Left In: -0.071+/-0.000 χ^2/NDF : 3825143459.1/7

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 :118653.5/8

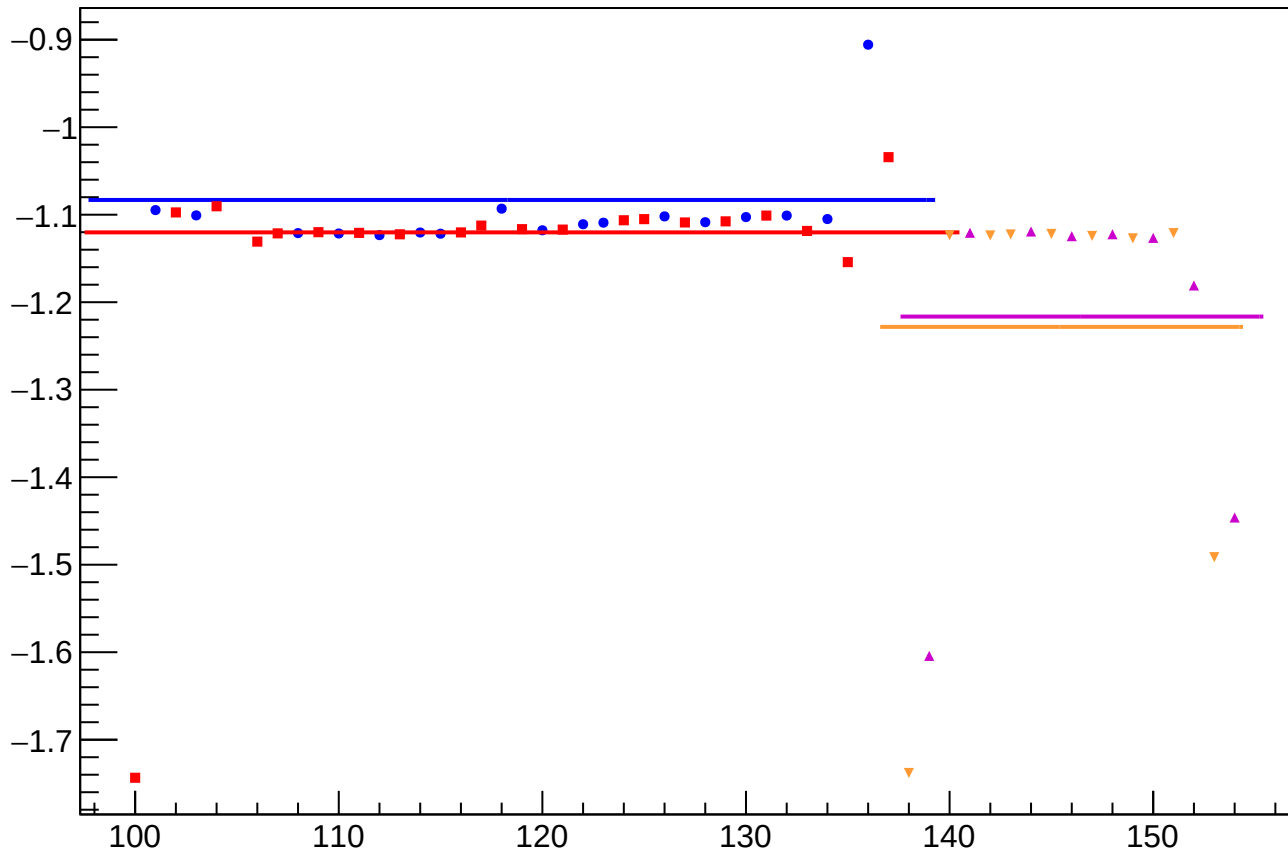
Right Out: 0.004+/-0.000 χ^2/NDF : 1003473.4/19

Left In: 0.003+/-0.000 χ^2/NDF :137590.4/7

0.004+/-0.000 χ^2/NDF : 1339193.7/25

0.004+/-0.000 χ^2/NDF : 1704266.6/27

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2/NDF : 202920901.6/16

Left Out: -1.228+/-0.000 χ^2/NDF : 2508841571.9/8

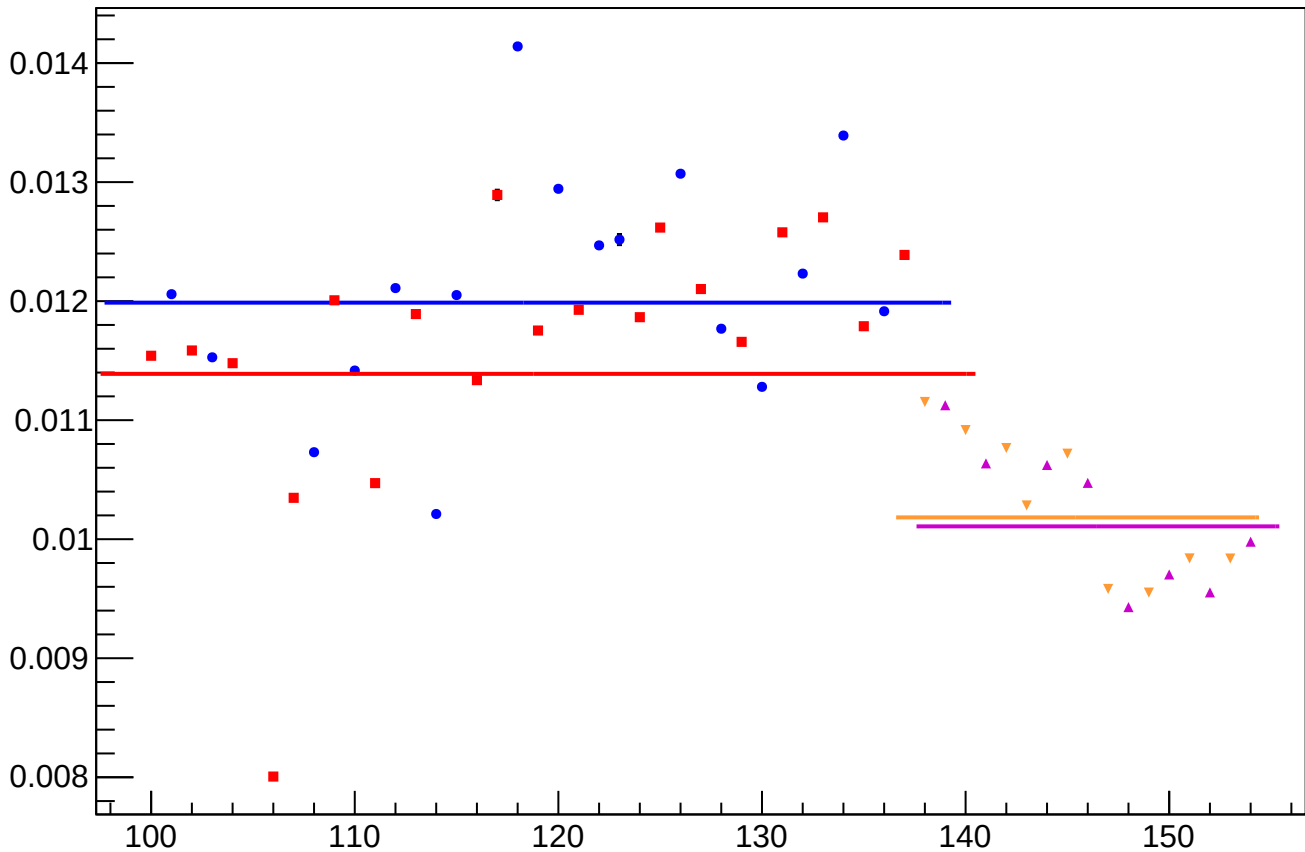
Right Out: -1.120+/-0.000 χ^2/NDF : 220586820.0/19

Left In: -1.216+/-0.000 χ^2/NDF : 1592184108.7/7

-1.167+/-0.000 χ^2/NDF : 3254353931.7/25

-1.172+/-0.000 χ^2/NDF : 2076448639.9/27

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 60402.0/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:39945.3/8

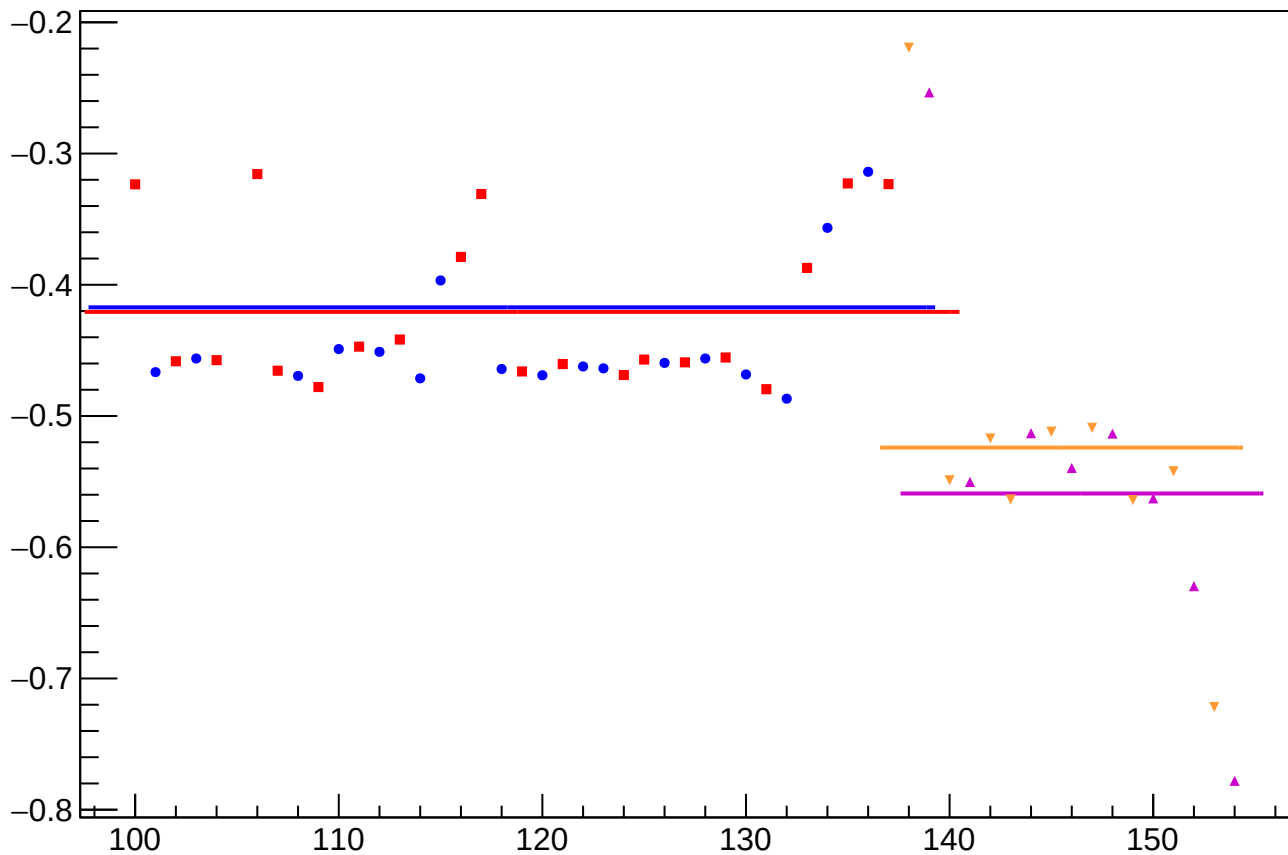
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 155700.3/19

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:37492.5/7

0.011 $\pm$ 0.000 χ^2 /NDF: 268194.2/25

0.011 $\pm$ 0.000 χ^2 /NDF: 286730.4/27

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.524+/-0.000 χ^2/NDF : 8644100254.7/8

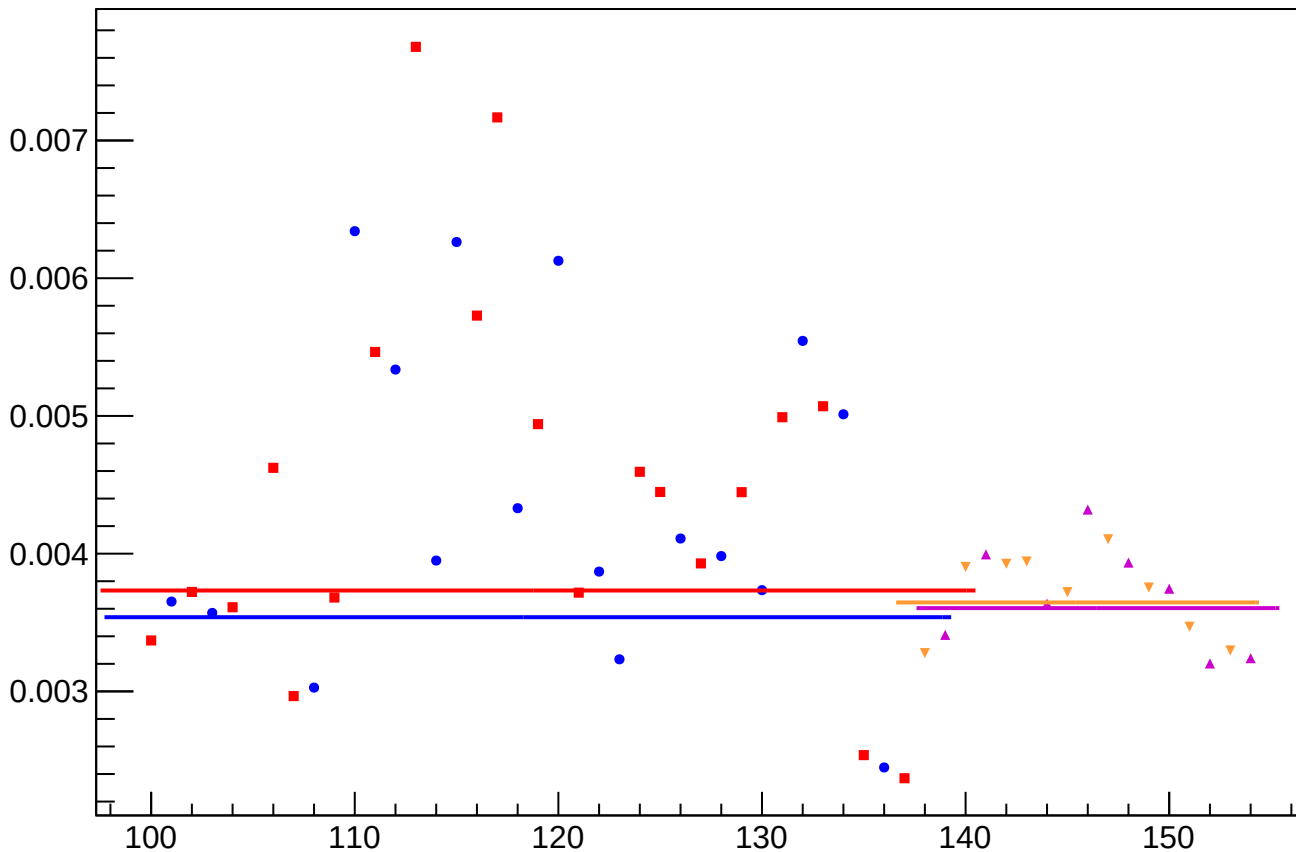
Right Out: -0.421+/-0.000 χ^2/NDF : 1652792044.5/19

Left In: -0.559+/-0.000 χ^2/NDF : 9417291449.6/7

-0.471+/-0.000 χ^2/NDF : 13191074968.3/25

-0.492+/-0.000 χ^2/NDF : 15254110091.2/27

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 : 73822.5/8

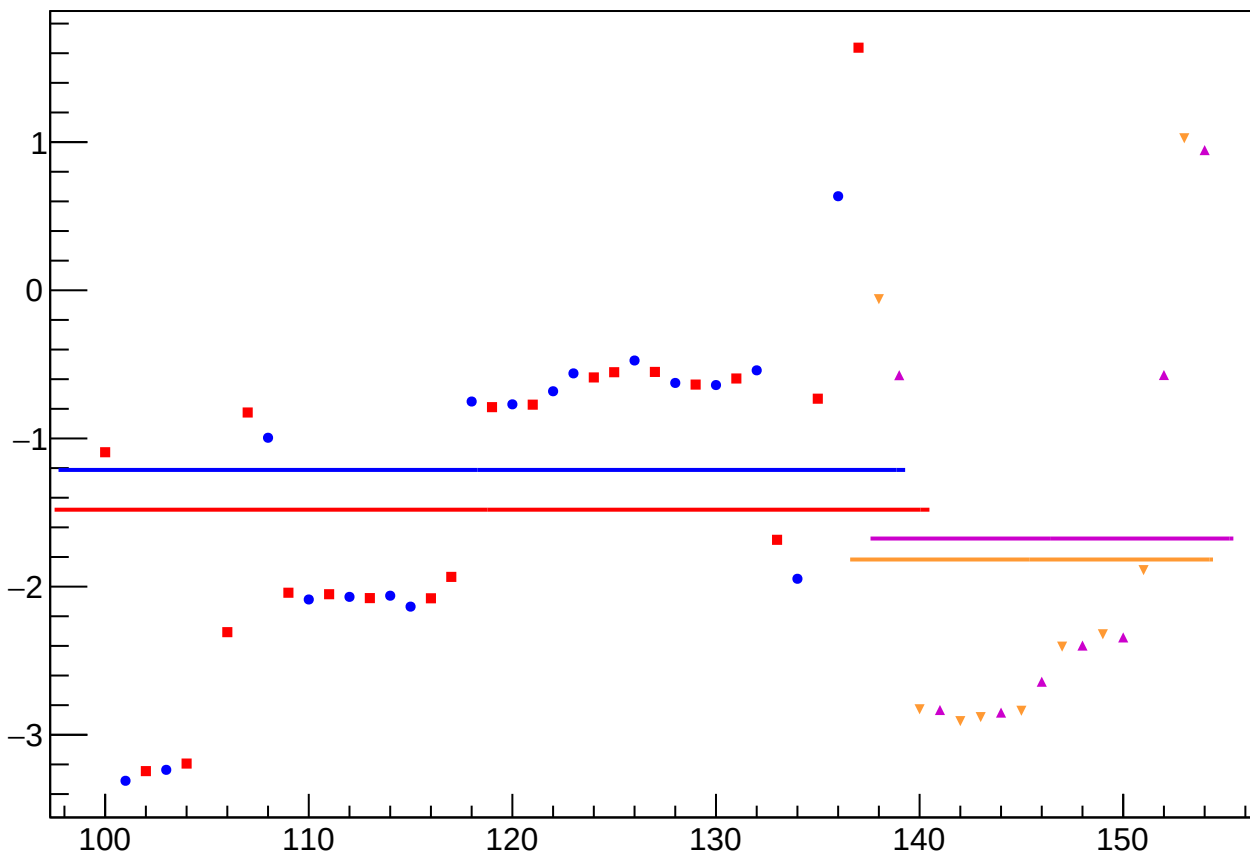
Right Out: 0.004+/-0.000 χ^2/NDF : 916963.6/19

Left In: 0.004+/-0.000 χ^2/NDF : 112365.6/7

0.004+/-0.000 χ^2/NDF : 915017.0/25

0.004+/-0.000 χ^2/NDF : 1036480.9/27

yield_bpm0r03X_mean vs Slug



Right In: -1.212+/-0.000 χ^2/NDF : 1992853443.9/16

Left Out: -1.817+/-0.000 χ^2/NDF : 2087069652.4/8

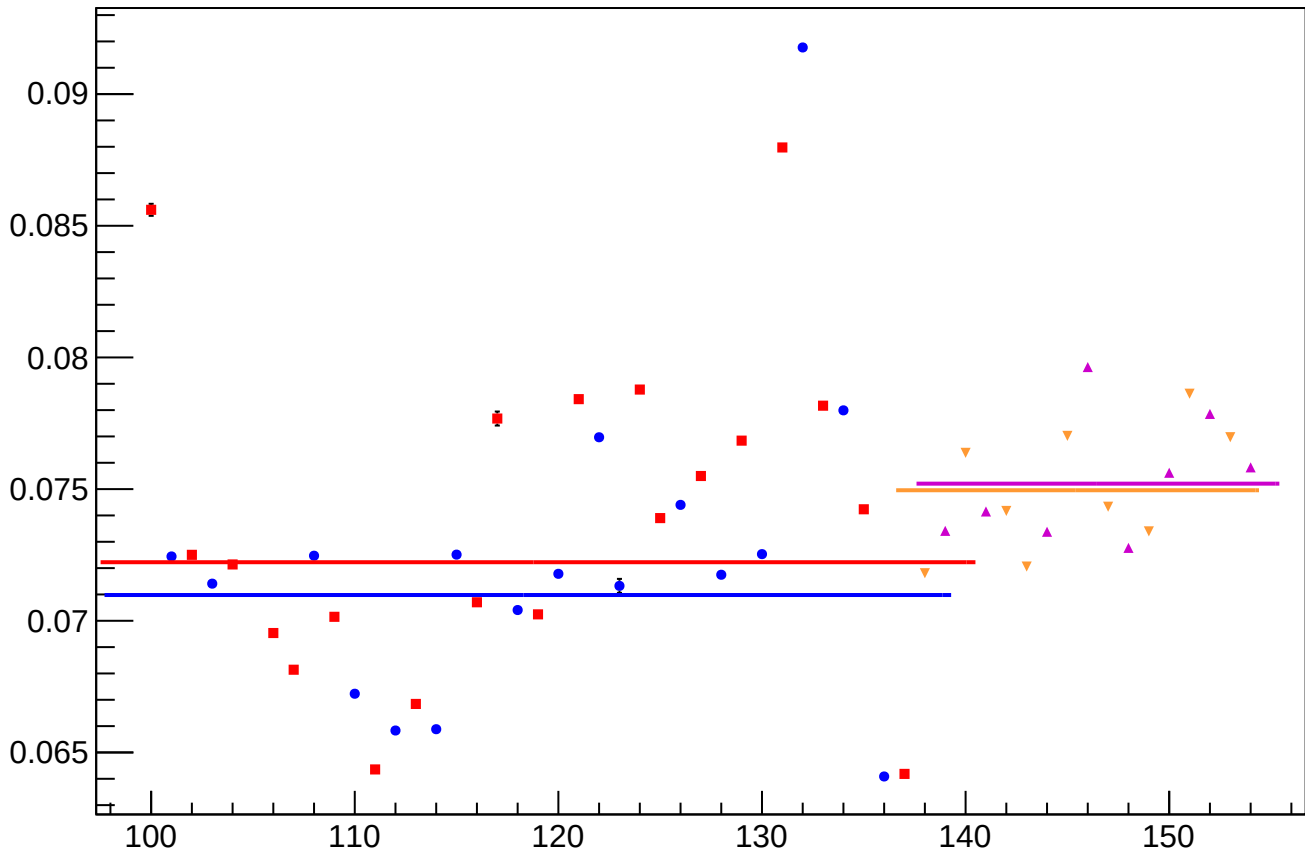
-1.494+/-0.000 χ^2/NDF : 4301870935.3/25

Right Out: -1.481+/-0.000 χ^2/NDF : 1579722113.8/19

-1.569+/-0.000 χ^2/NDF : 3588805447.5/27

Left In: -1.675+/-0.000 χ^2/NDF : 1985935096.4/7

yield_bpm0r03X_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF : 77589.5/16

Left Out: 0.075+/-0.000 χ^2/NDF :11866.6/8

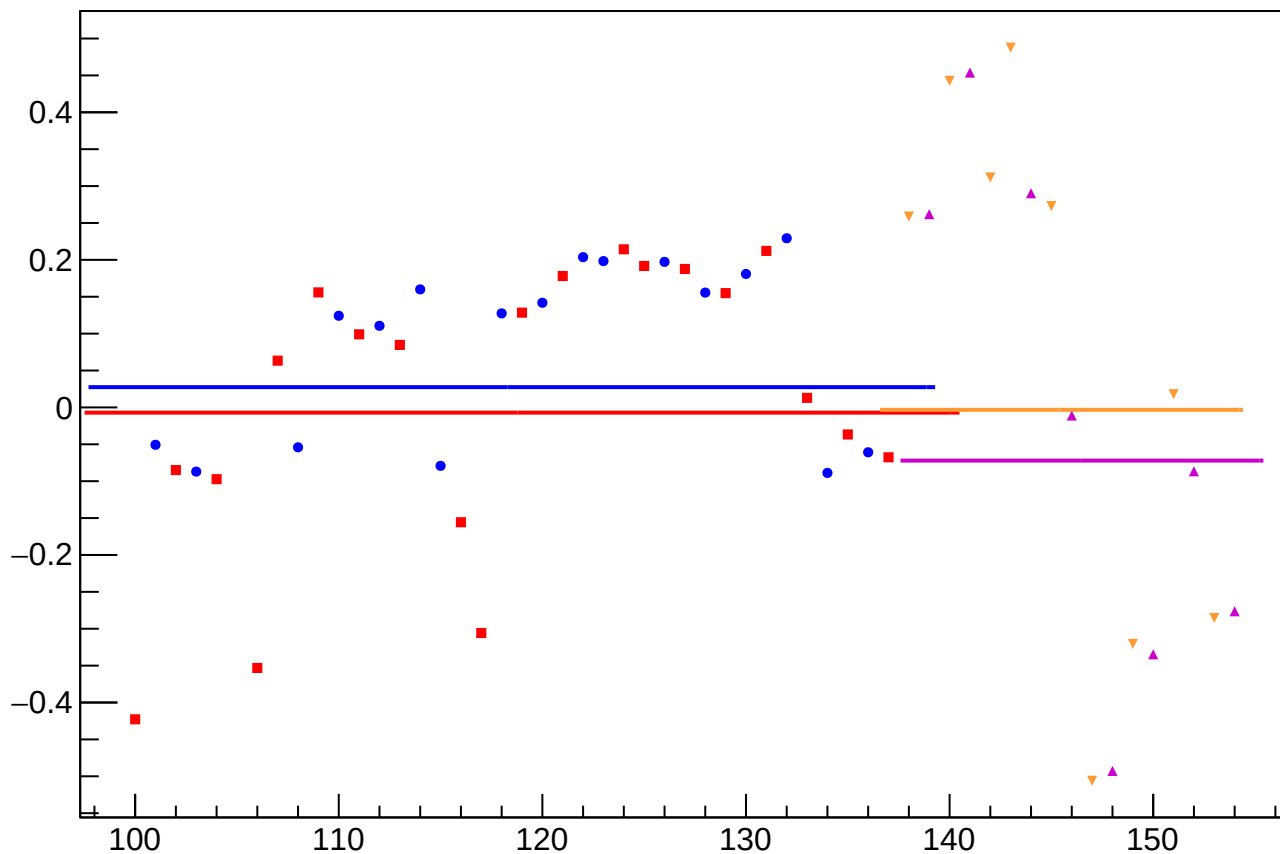
Right Out: 0.072+/-0.000 χ^2/NDF : 73650.9/19

Left In: 0.075+/-0.000 χ^2/NDF :10549.2/7

0.073+/-0.000 χ^2/NDF : 108678.2/25

0.074+/-0.000 χ^2/NDF : 95079.5/27

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562337631.4/16

Left Out: -0.003+/-0.000 χ^2/NDF : 10887091059.9/8

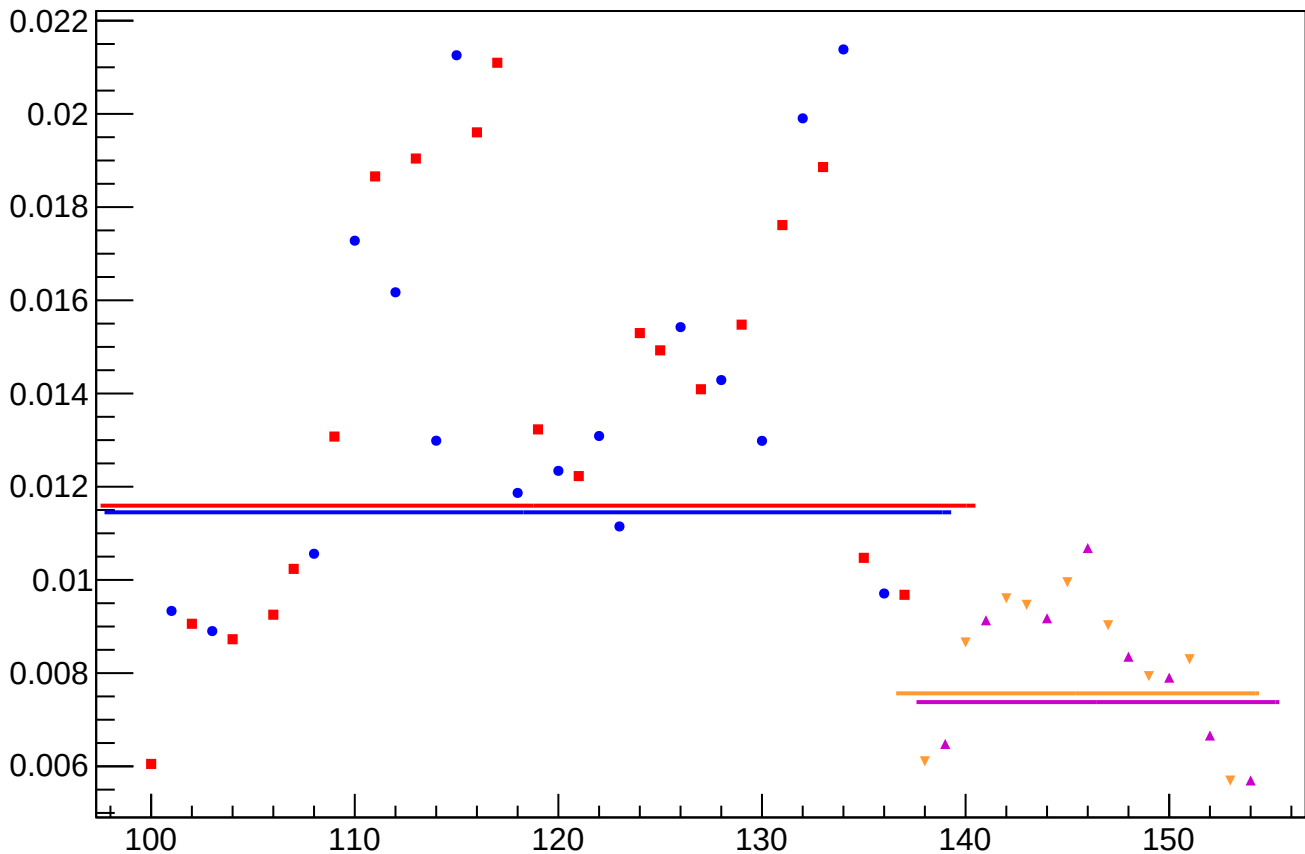
Right Out: -0.007+/-0.000 χ^2/NDF : 1207003891.2/19

Left In: -0.072+/-0.000 χ^2/NDF : 9287502199.1/7

0.006+/-0.000 χ^2/NDF : 11478278919.0/25

-0.053+/-0.000 χ^2/NDF : 10626734625.5/27

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 : 479490.0/8

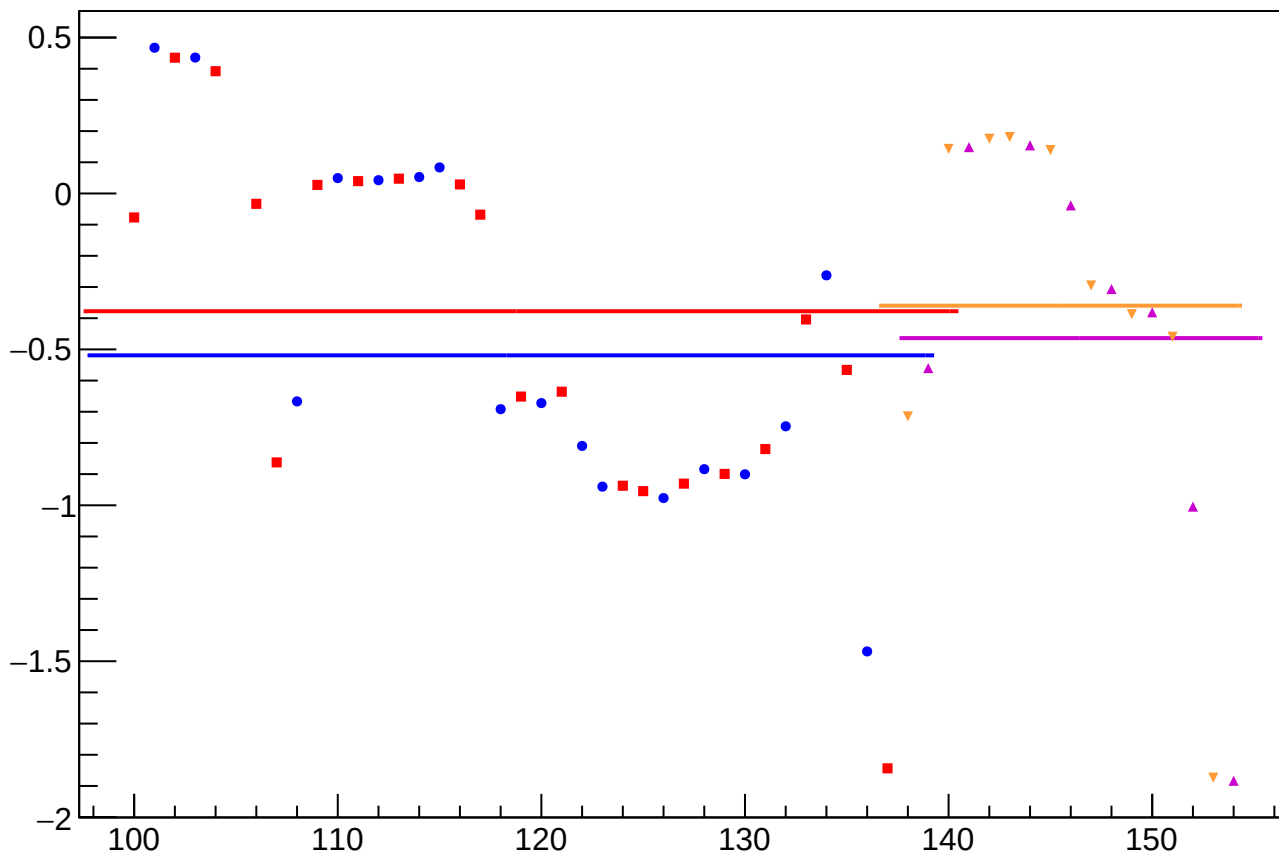
Right Out: 0.012+/-0.000 χ^2/NDF : 1012799.2/19

Left In: 0.007+/-0.000 χ^2/NDF : 455513.0/7

0.009+/-0.000 χ^2/NDF : 2079998.5/25

0.009+/-0.000 χ^2/NDF : 2579938.8/27

yield_bpm0r05X_mean vs Slug



Right In: -0.519+/-0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.360+/-0.000 χ^2/NDF : 325663415.7/8

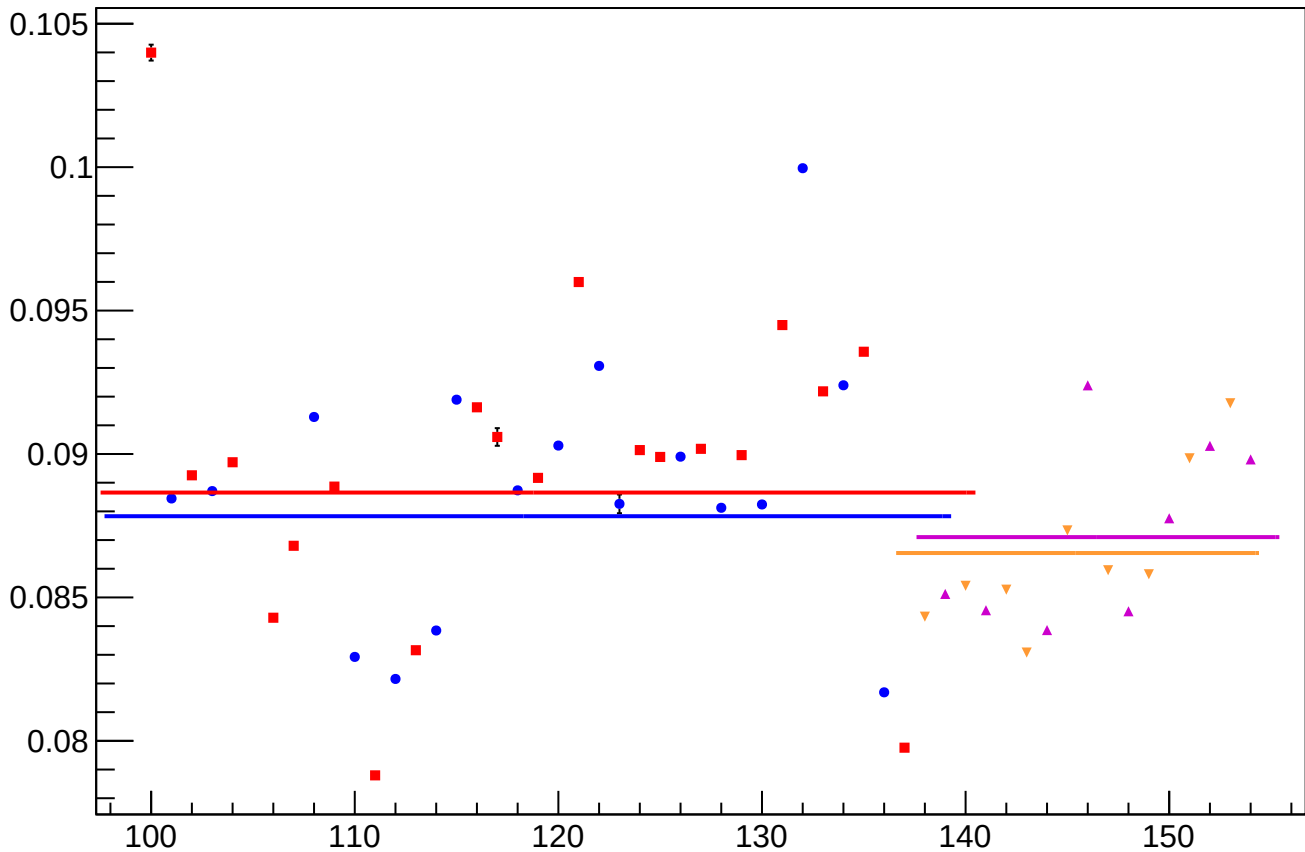
Right Out: -0.378+/-0.000 χ^2/NDF : 269130827.6/19

Left In: -0.464+/-0.000 χ^2/NDF : 351174533.0/7

-0.439+/-0.000 χ^2/NDF : 676074616.2/25

-0.419+/-0.000 χ^2/NDF : 623574230.1/27

yield_bpm0r05X_rms vs Slug



Right In: 0.088+/-0.000 χ^2/NDF : 34954.4/16

Left Out: 0.087+/-0.000 χ^2/NDF :11365.5/8

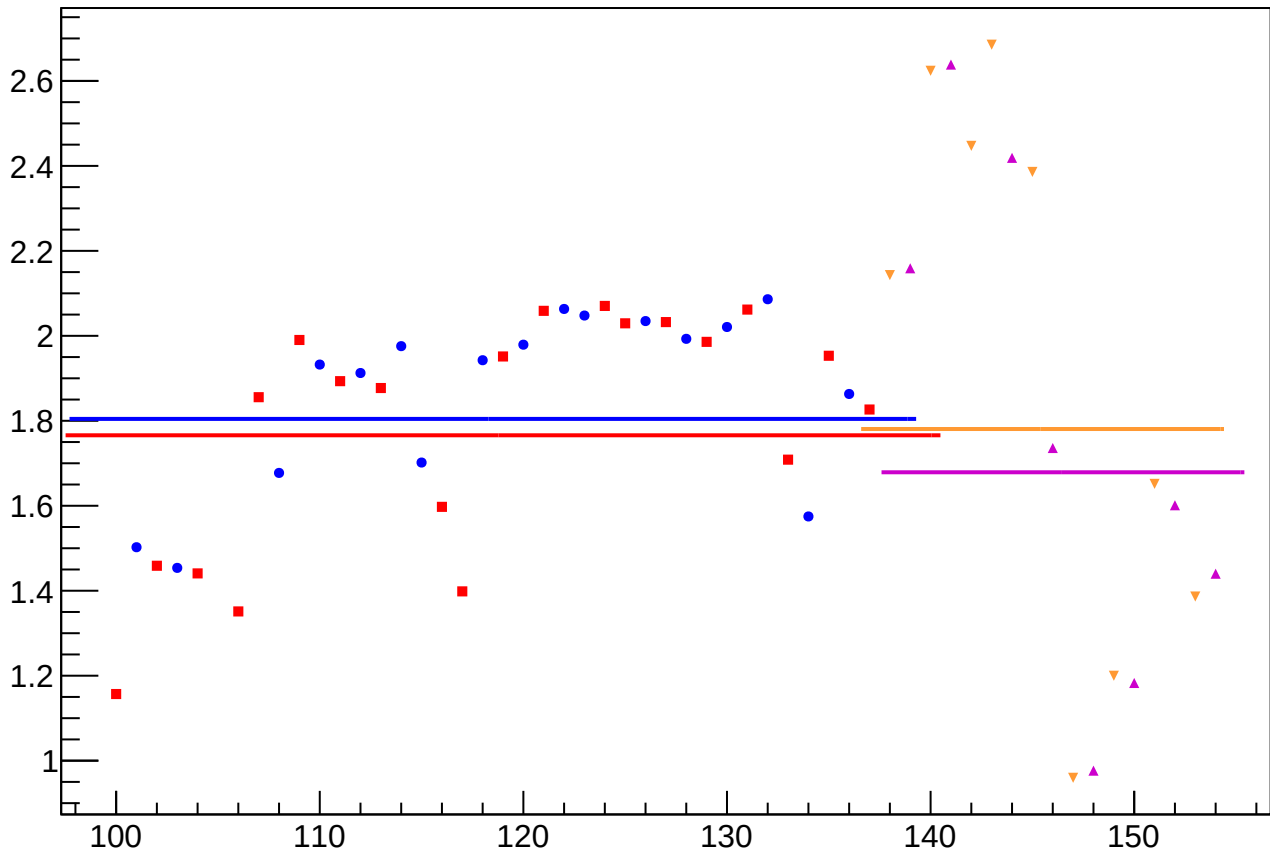
Right Out: 0.089+/-0.000 χ^2/NDF : 39762.8/19

Left In: 0.087+/-0.000 χ^2/NDF :15123.3/7

0.087+/-0.000 χ^2/NDF : 47748.9/25

0.088+/-0.000 χ^2/NDF : 57008.2/27

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156747883.2/16

Left Out: 1.781 $\pm$ 0.000 χ^2 /NDF:18288782889.5/8

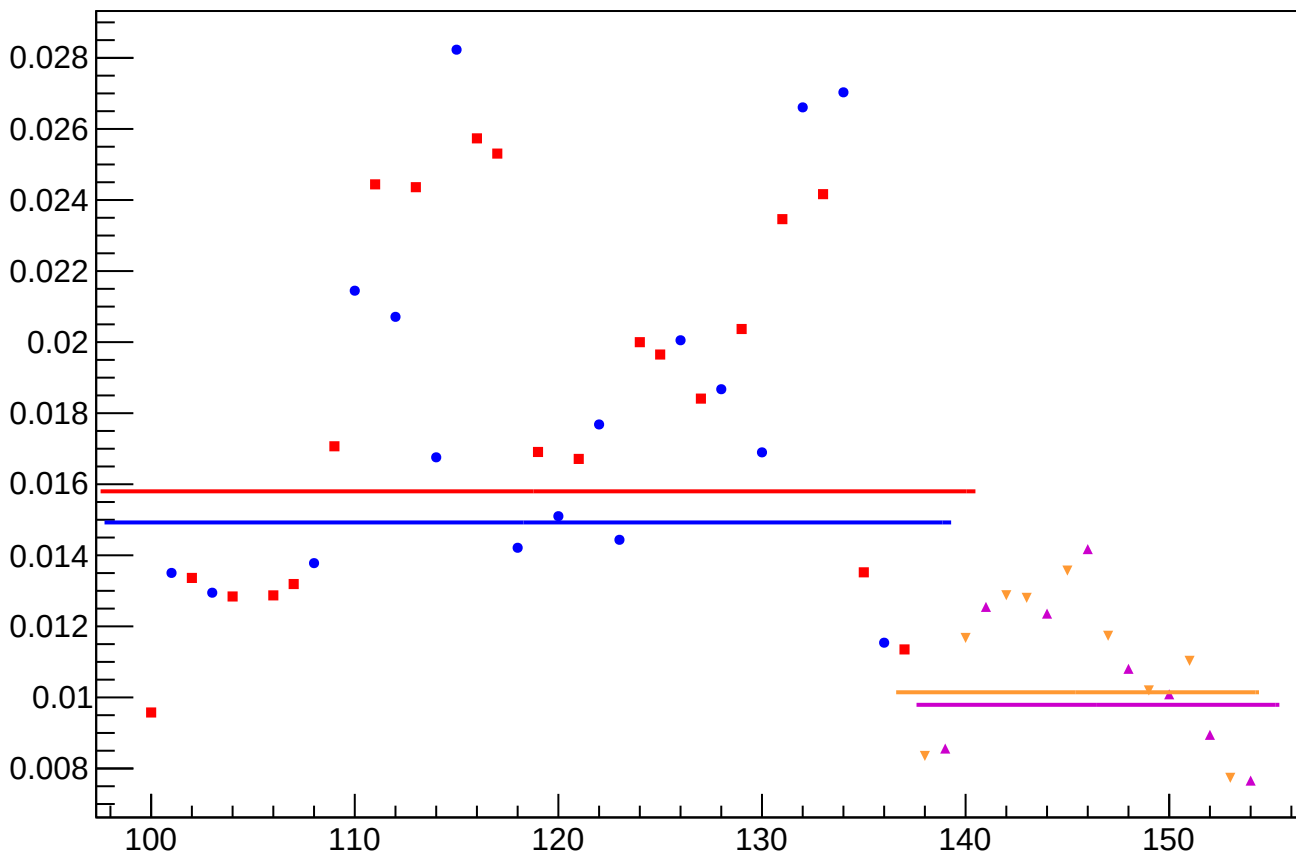
Right Out: 1.766 $\pm$ 0.000 χ^2 /NDF: 1717275187.7/19

Left In: 1.679 $\pm$ 0.000 χ^2 /NDF:15296959953.6/7

1.788 $\pm$ 0.000 χ^2 /NDF: 19455574933.8/25

1.704 $\pm$ 0.000 χ^2 /NDF: 17145794836.9/27

yield_bpm0r05Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 643651.9/16

Left Out: 0.010+/-0.000 χ^2/NDF : 448703.1/8

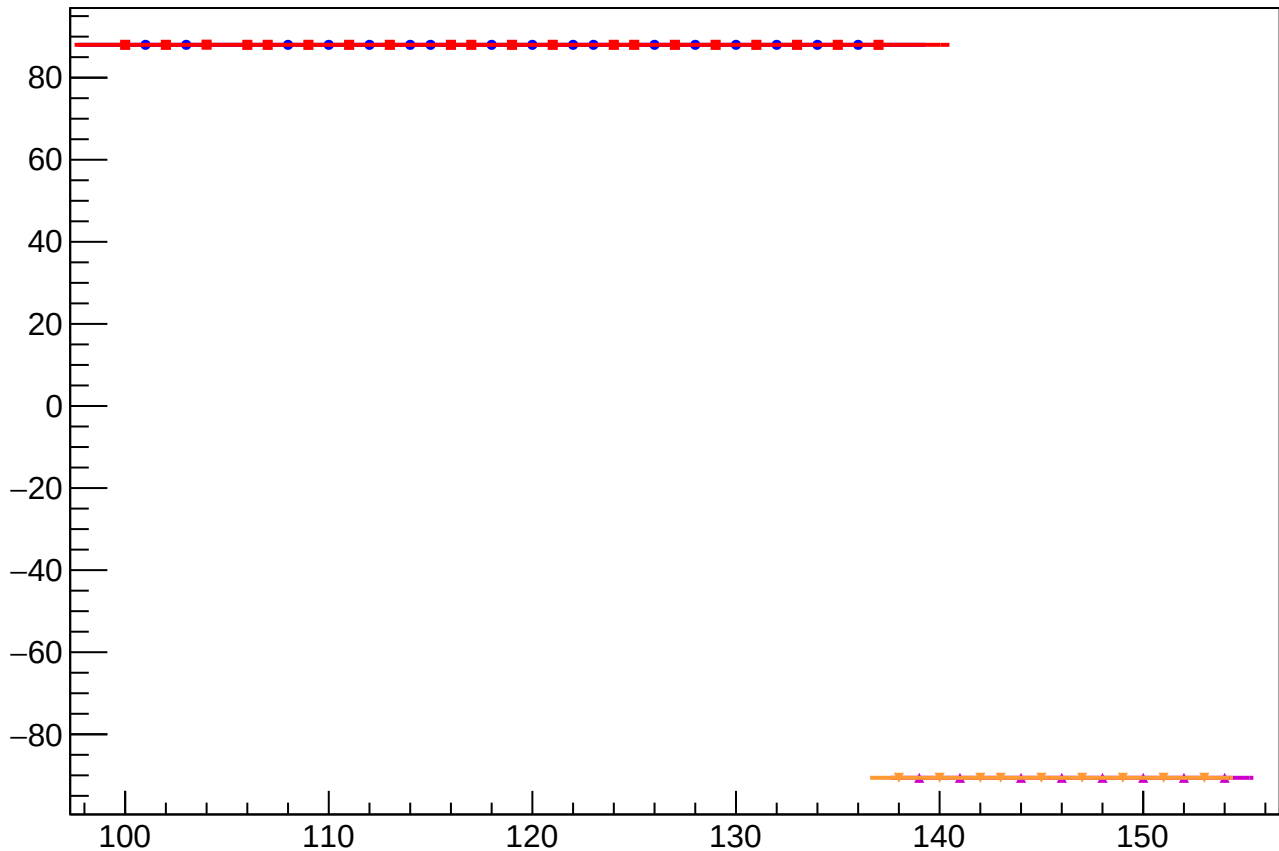
Right Out: 0.016+/-0.000 χ^2/NDF : 796839.8/19

Left In: 0.010+/-0.000 χ^2/NDF : 451816.7/7

0.012+/-0.000 χ^2/NDF : 1903001.6/25

0.012+/-0.000 χ^2/NDF : 2501997.2/27

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 : 3329119.2/8

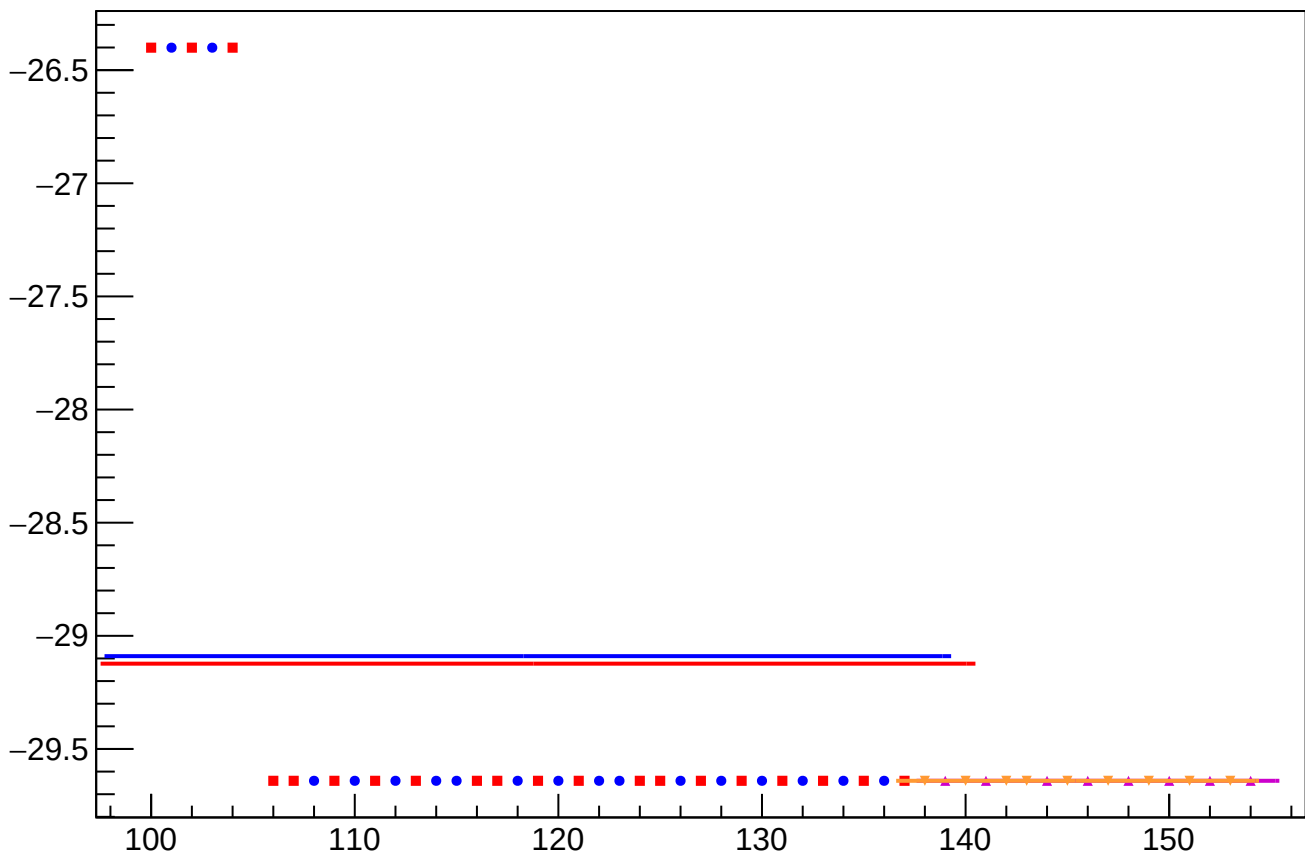
Right Out: 88.004 $\pm$ 0.000 χ^2/NDF : 77578366411928007427611426816.0/19

Left In: -90.599 $\pm$ 0.000 χ^2/NDF : 971573.7/7

-0.258 $\pm$ 0.000 χ^2/NDF : 109395123285131083

1.821 $\pm$ 0.000 χ^2/NDF : 1117491810477041164

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 : 173549.4/8

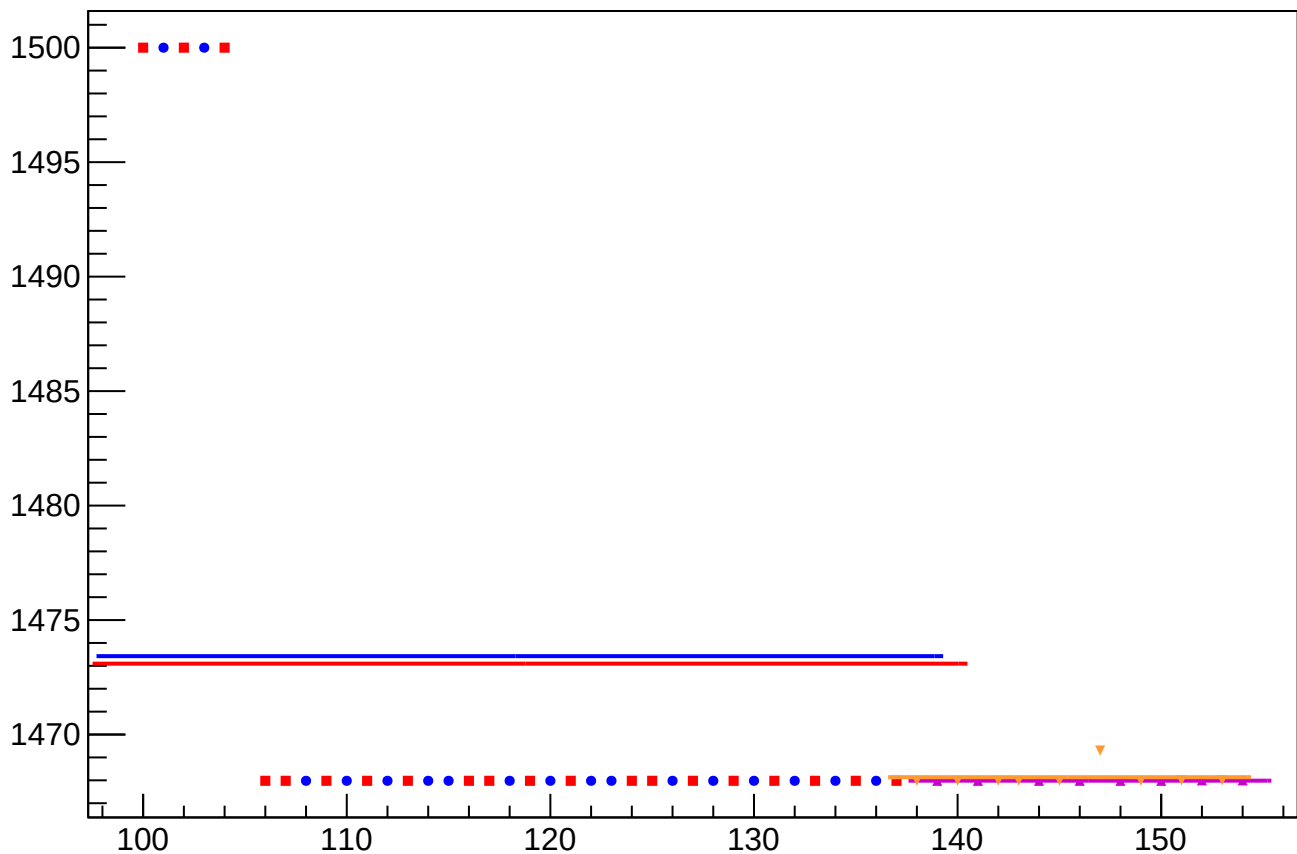
Right Out: -29.123+/-0.000 χ^2/NDF : 1023154512396702254583444720844800.0/19

Left In: -29.641+/-0.000 χ^2/NDF : 39329.4/7

-29.362+/-0.000 χ^2/NDF : 11321799323615103

-29.373+/-0.000 χ^2/NDF : 11170404128296361

epics_psub_pl_poss_mean vs Slug



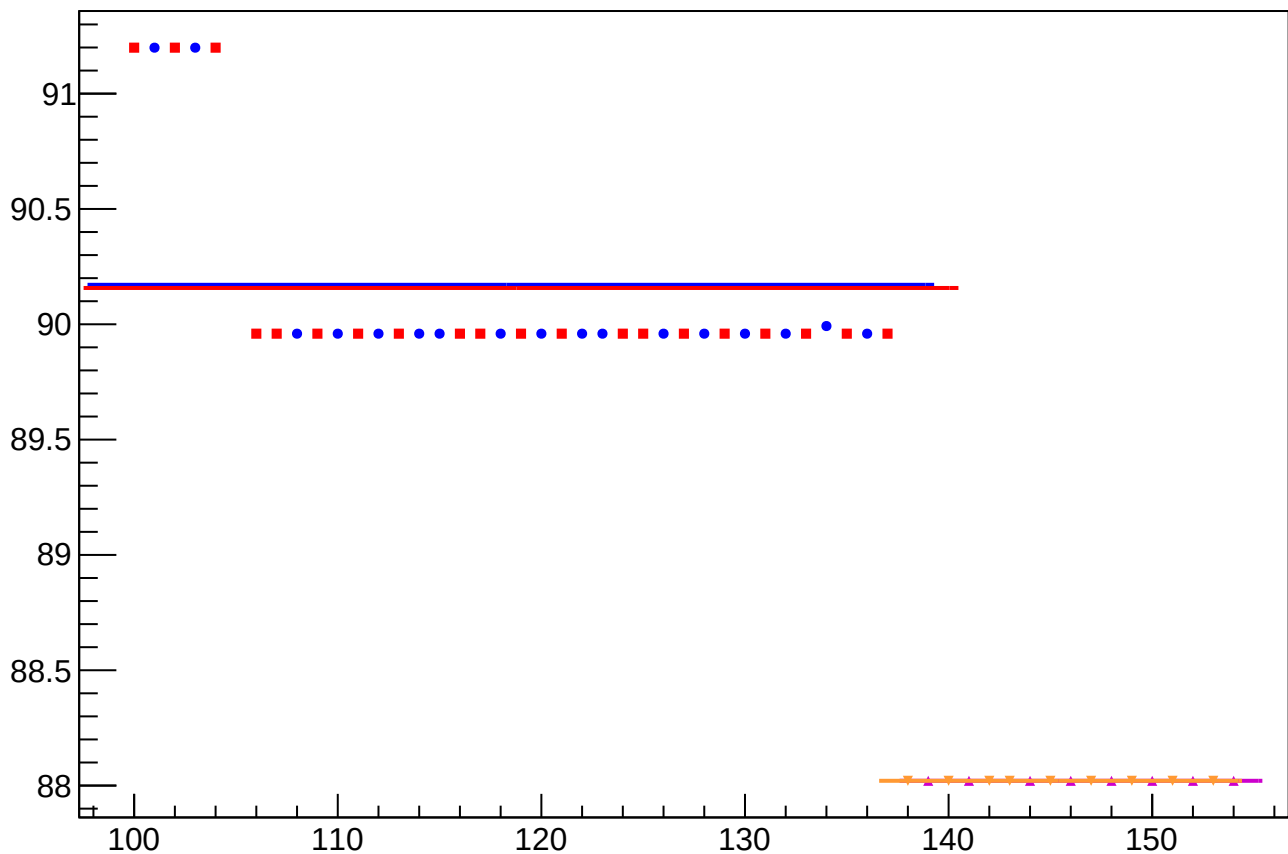
Right In: 1473.424+/-0.000 χ^2 /NDF: 100421295828245505125784497044848640.0/16

Left Out: 1468.136+/-0.000 χ^2 /NDF: 119739923012315356179308465881088.0/8

Right Out: 1473.096+/-0.000 χ^2 /NDF: 99938310777099611815298348687032320.0/19

Left In: 1467.984+/-0.000 χ^2 /NDF: 52098079747322590527269896192.0/7

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 : 2892506.8/8

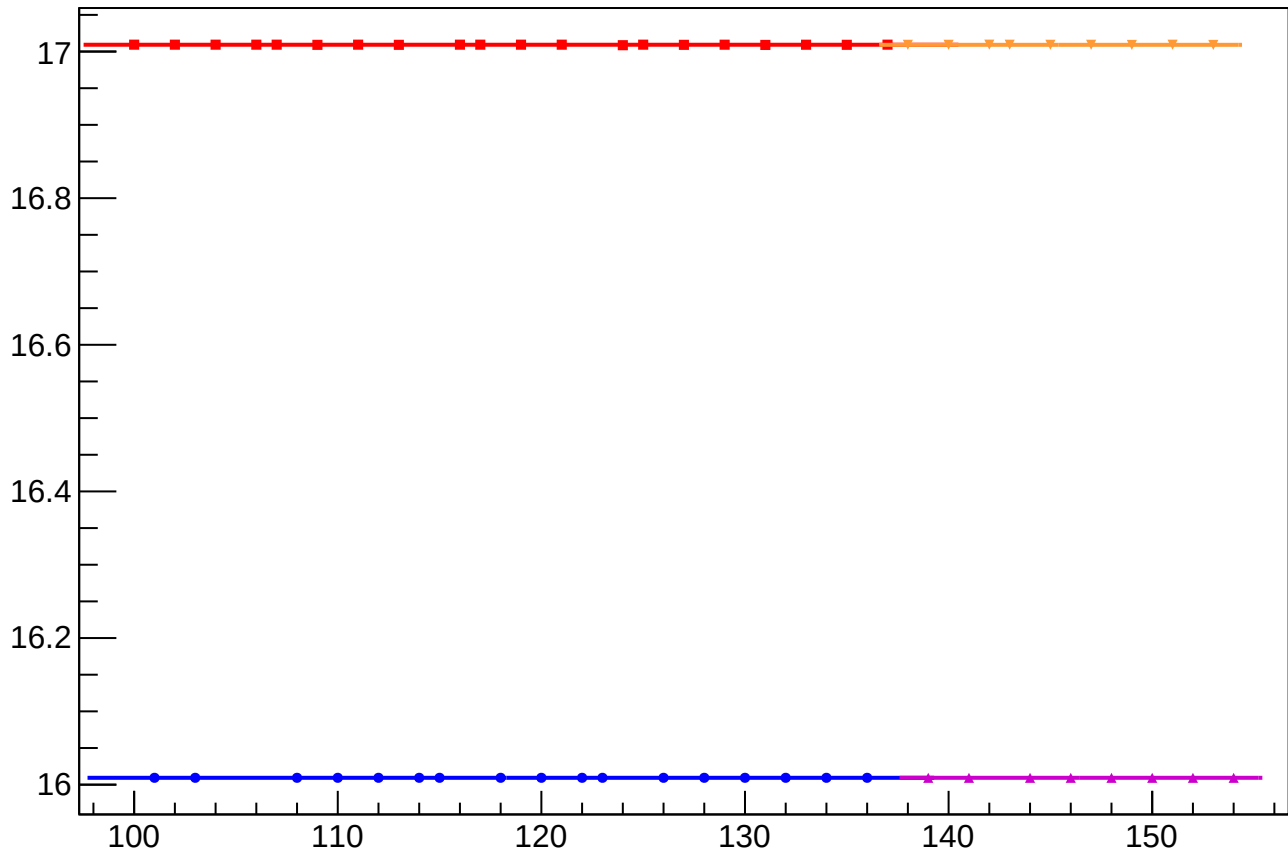
Right Out: 90.157+/-0.000 χ^2/NDF : 149863052341628336344772108091392.0/19

Left In: 88.021+/-0.000 χ^2/NDF : 1236328.1/7

89.108+/-0.000 χ^2/NDF : 173625226757124934

89.126+/-0.000 χ^2/NDF : 174928495981980675

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF : 44327.7/16

Left Out: 17.009+/-0.000 χ^2/NDF : 7659814170693219924312064.0/8

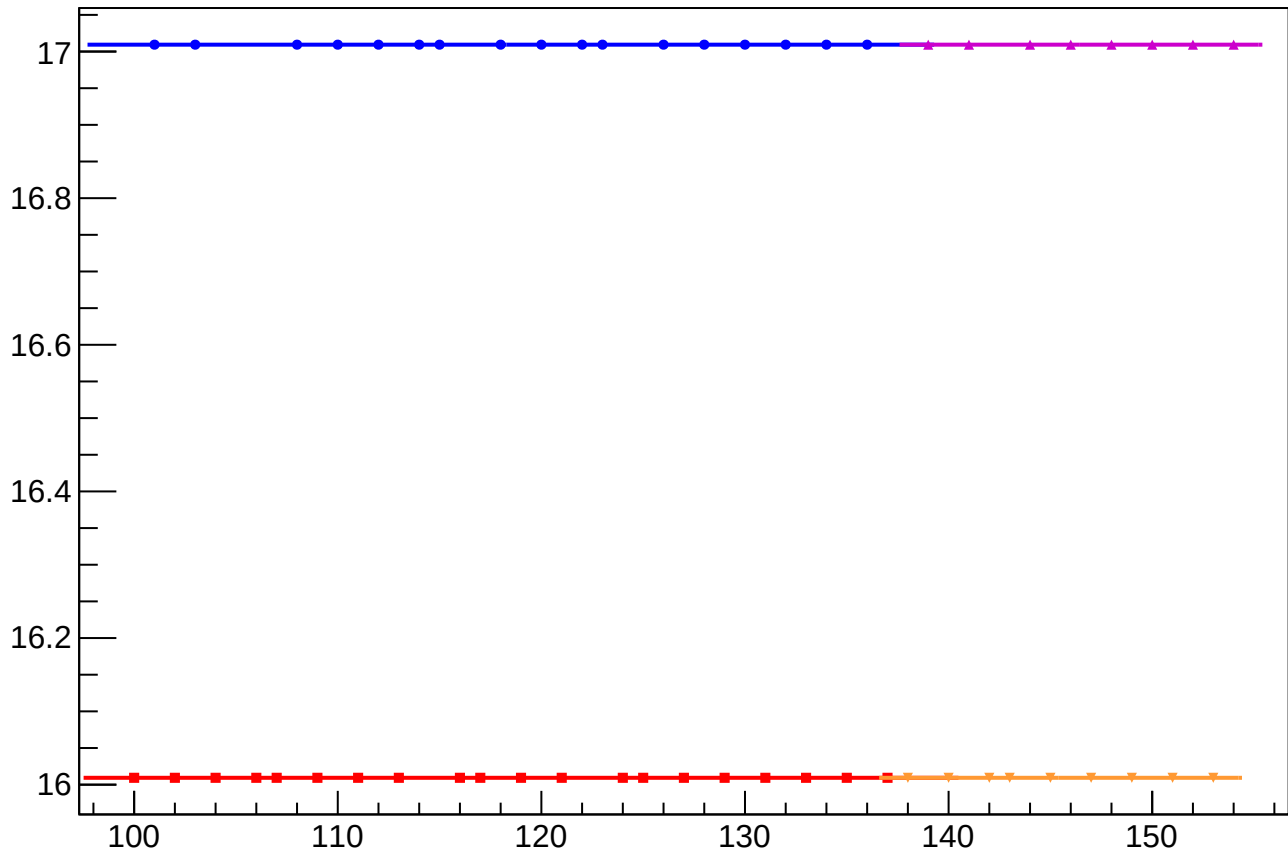
Right Out: 17.009+/-0.000 χ^2/NDF : 12548783366686740957888512.0/19

Left In: 16.009+/-0.000 χ^2/NDF : 25344.5/7

16.490+/-0.000 χ^2/NDF : 318431875720654907

16.515+/-0.000 χ^2/NDF : 325148088794001320

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 : 26922.2/8

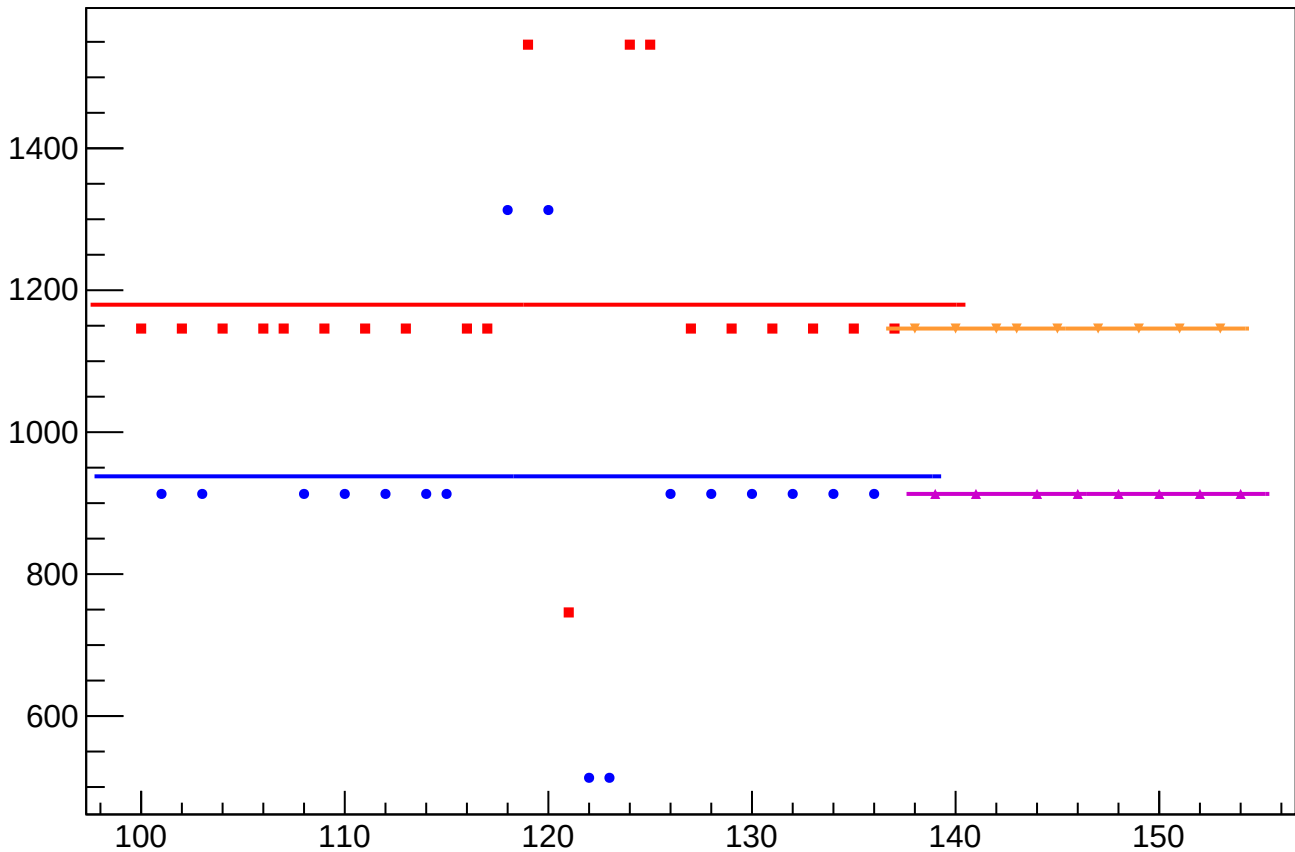
Right Out: 16.009+/-0.000 χ^2/NDF : 42750.0/19

Left In: 17.009+/-0.000 χ^2/NDF : 11044.1/7

16.506+/-0.000 χ^2/NDF : 33298798798798305

16.494+/-0.000 χ^2/NDF : 34868409742117235

epics_RTPAPOSUCNTs_mean vs Slug



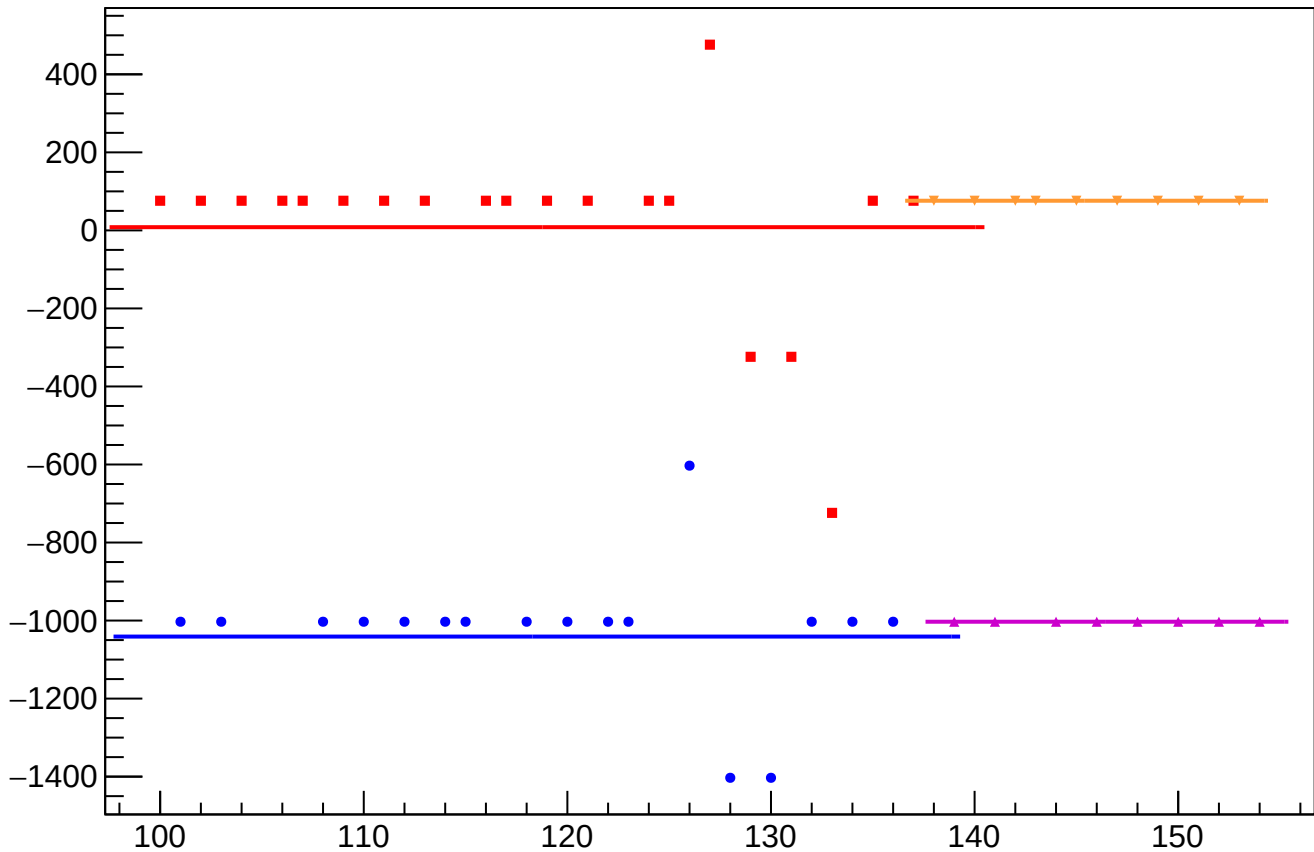
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.011+/-0.000 χ^2/NDF : 2127611598620888134355779584.0/8

Right Out: 1179.619+/-0.000 χ^2/NDF : 21420659731738679306829480097874968576.0/19

Left In: 912.993+/-0.000 χ^2/NDF : 9511711253715528553815080960.0/7

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1041.030+/-0.000 χ^2/NDF : 22675401109943882512554797113855180800.0/16
 Left Out: 76.010+/-0.000 χ^2/NDF : 2872007732310765958147866624.0/8 χ^2/NDF : 4506051398969413
 Right Out: 8.240+/-0.000 χ^2/NDF : 43865391744972338137265798243810279424.0/19
 Left In: -1002.989+/-0.000 χ^2/NDF : 1046062123918308618941759488.0/7