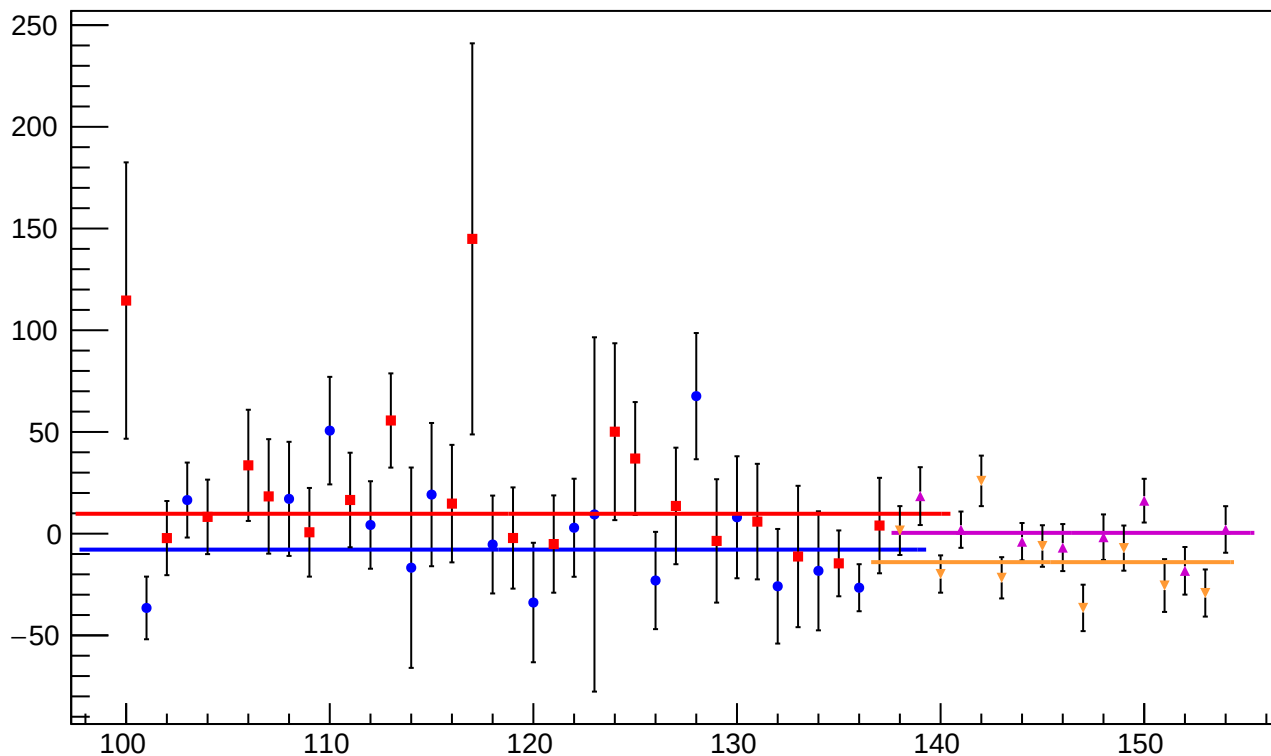


diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.841 ± 5.608

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

Left Out: -13.999 ± 3.682

$\chi^2/\text{NDF}: 20.4/8$

Right Out: 9.781 ± 5.667

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

Left In: 0.394 ± 3.823

$\chi^2/\text{NDF}: 7.0/7$

-12.145 ± 3.078

$\chi^2/\text{NDF}: 43.9/25$

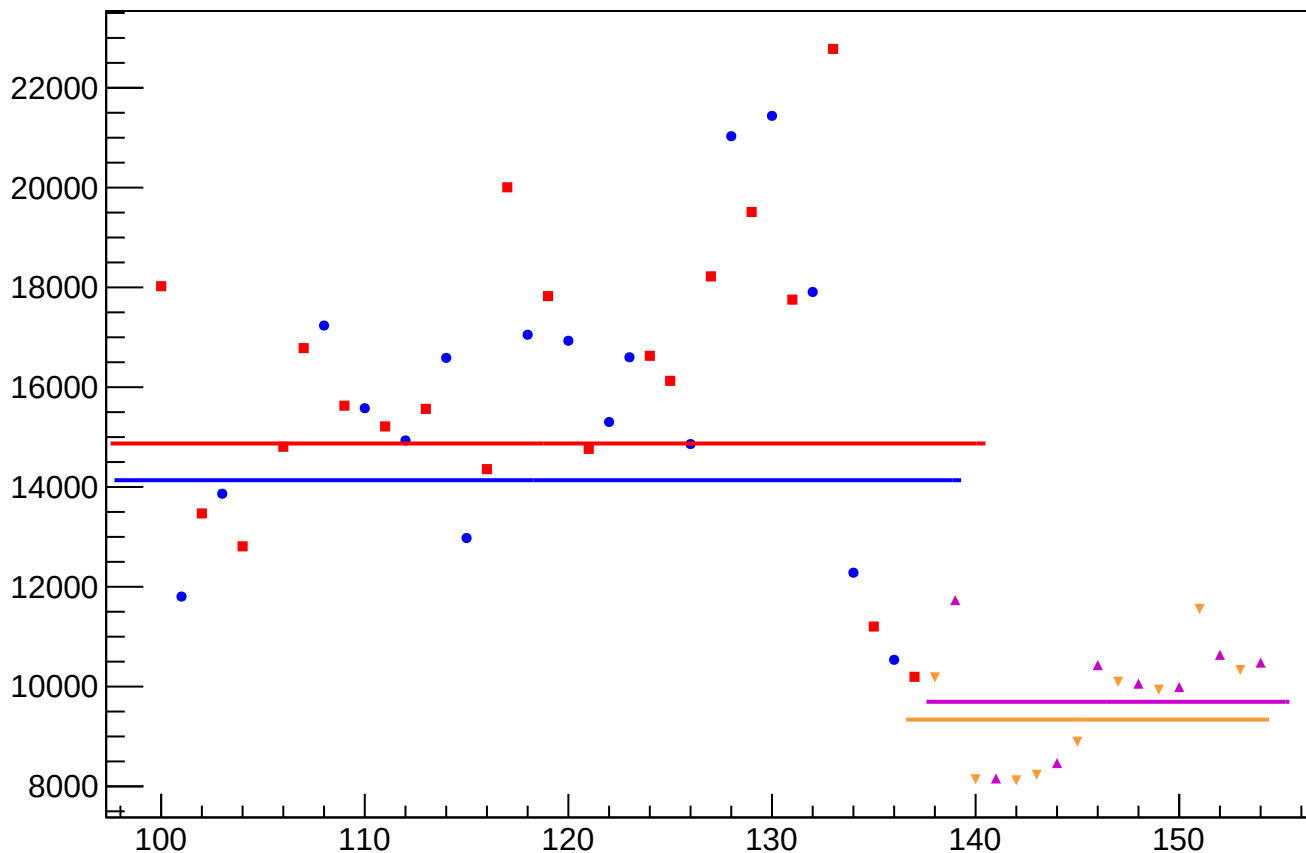
-4.634 ± 2.208

$\chi^2/\text{NDF}: 80.2/53$

3.330 ± 3.169

$\chi^2/\text{NDF}: 24.1/27$

diff_bpm4aX_rms vs Slug, Sign Corrected



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

Left Out: 9338.208 $\pm$ 2.603 χ^2 /NDF:178370.7/8

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

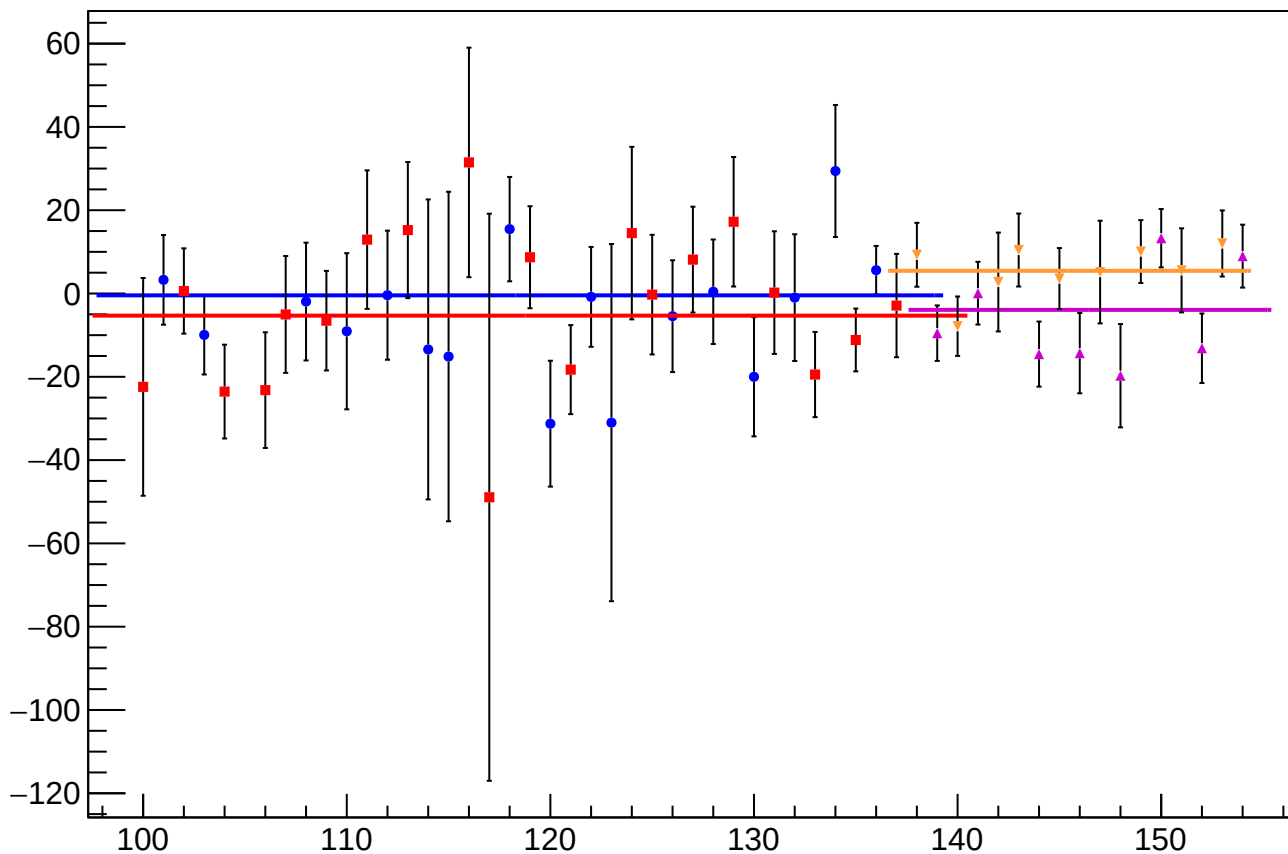
Left In: 9695.089 $\pm$ 2.703 χ^2 /NDF:170289.5/7

10783.066 $\pm$ 2.176 χ^2 /NDF: 1798341.7/25

11040.721 $\pm$ 1.561 χ^2 /NDF: 3622209.2/5

11313.910 $\pm$ 2.241 χ^2 /NDF: 1794989.3/27

diff_bpm4aY_mean vs Slug, Sign Corrected



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

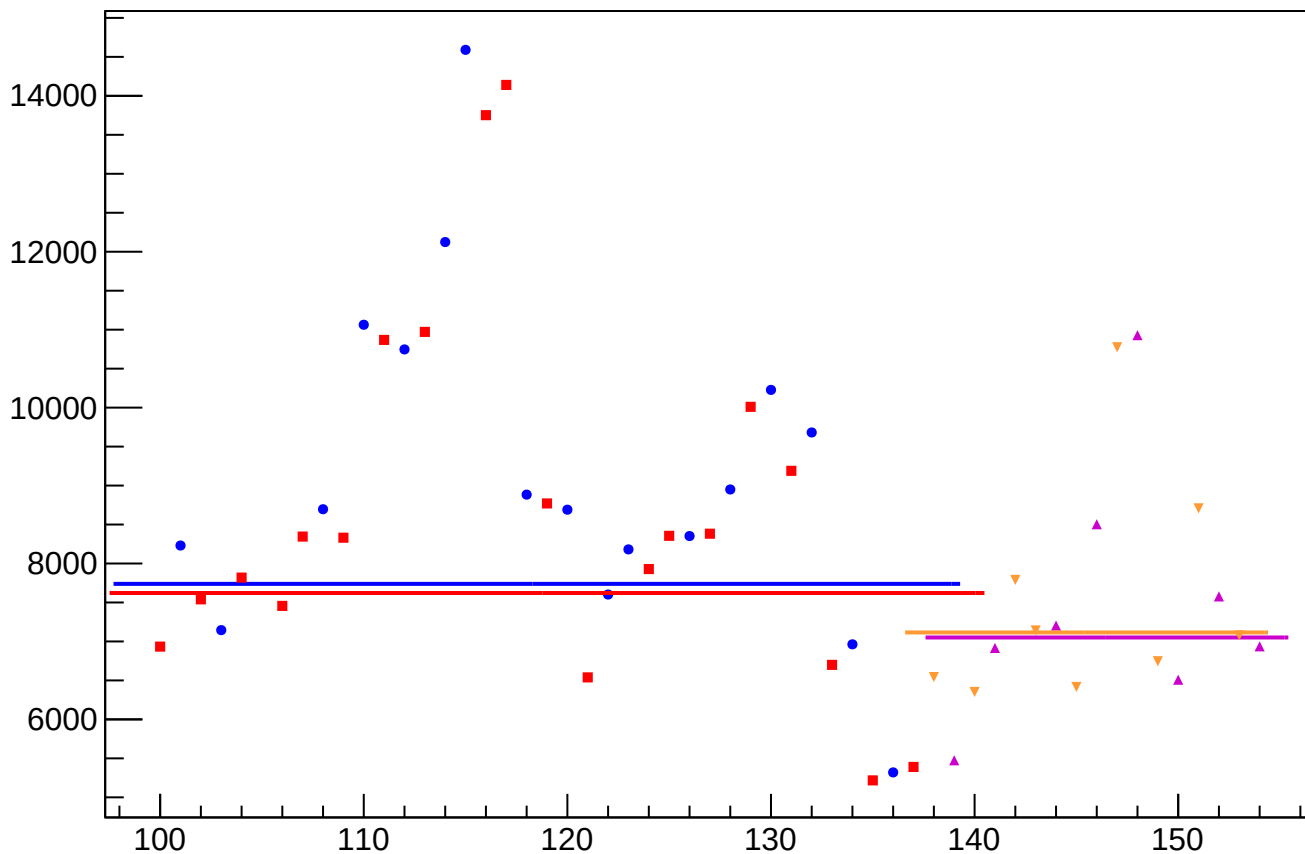
Left In: -3.926 ± 2.817 χ^2/NDF : 15.8/7

2.750 ± 2.080 χ^2/NDF : 21.7/25

-1.006 ± 1.453 χ^2/NDF : 63.8/53

-4.590 ± 2.032 χ^2/NDF : 35.7/27

diff_bpm4aY_rms vs Slug, Sign Corrected



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

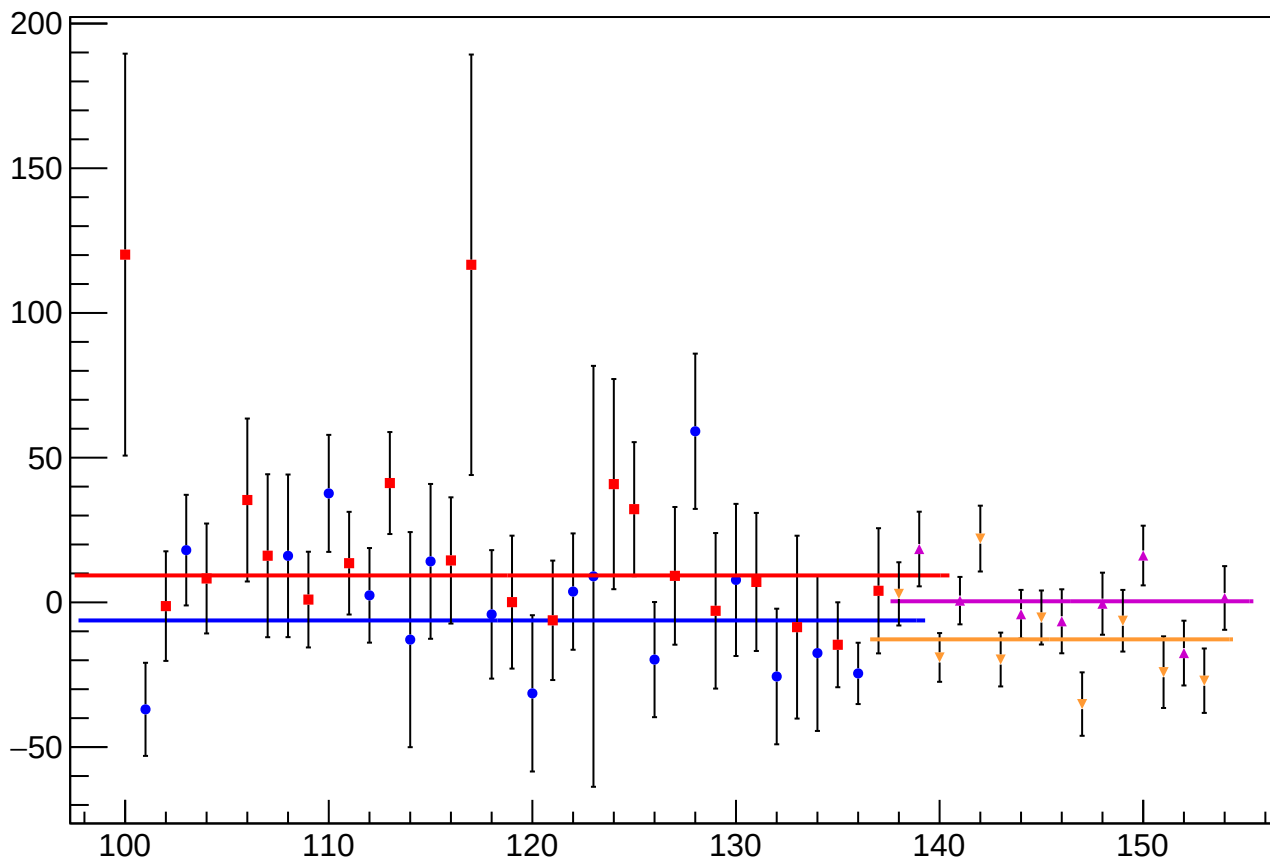
Left In: 7050.792 $\pm$ 1.992 χ^2 /NDF: 374402.3/7

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

7362.139 $\pm$ 1.028 χ^2 /NDF: 2187763.4/53

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

diff_bpm4eX_mean vs Slug, Sign Corrected



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

Left Out: -12.777 ± 3.430 χ^2/NDF : 20.2/8

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

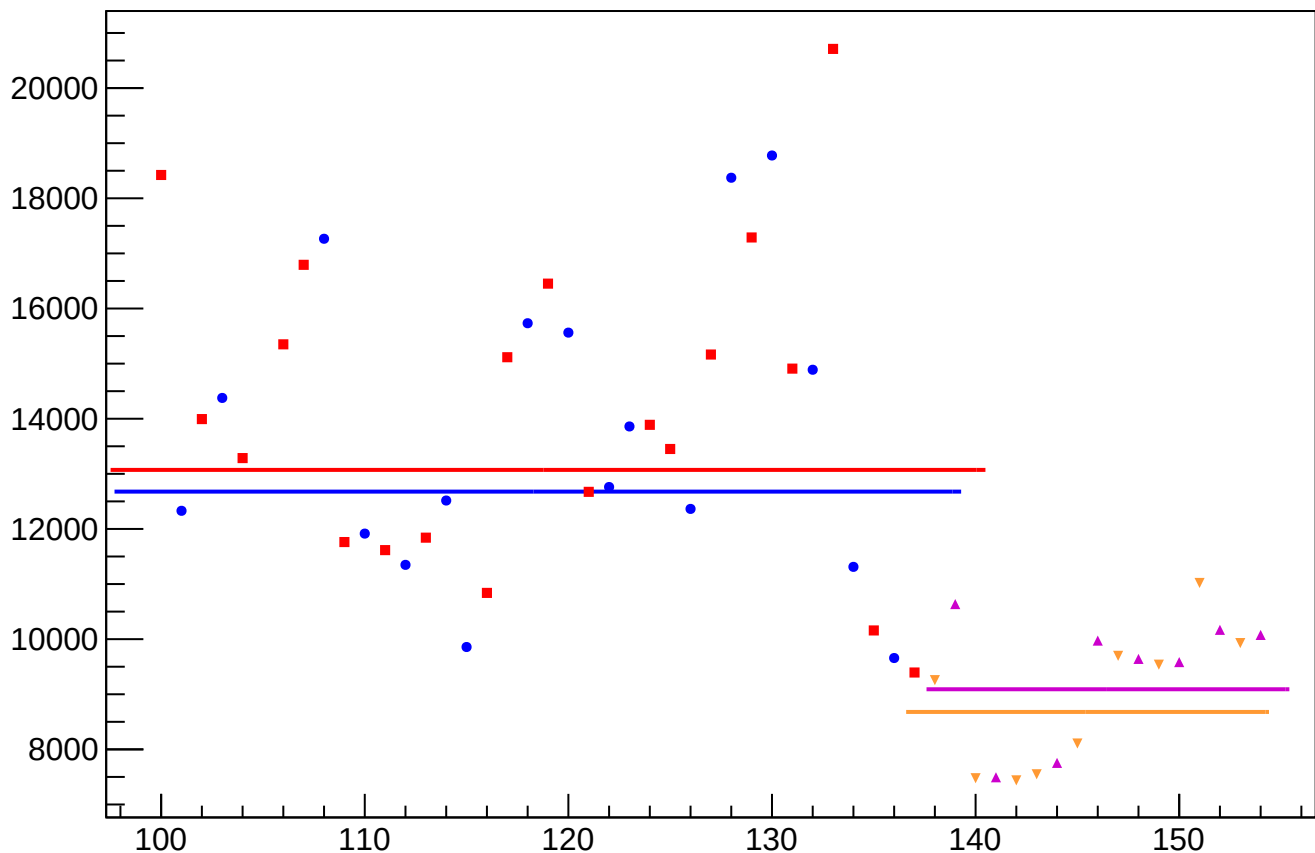
Left In: 0.377 ± 3.590 χ^2/NDF : 7.6/7

-10.696 ± 2.832 χ^2/NDF : 44.6/25

-3.837 ± 2.031 χ^2/NDF : 81.7/53

3.426 ± 2.914 χ^2/NDF : 25.0/27

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12677.516 $\pm$ 3.548 χ^2/NDF : 553605.5/16

Left Out: 8679.404 $\pm$ 2.425 χ^2/NDF : 234279.8/8

Right Out: 13071.522 $\pm$ 3.527 χ^2/NDF : 499021.5/19

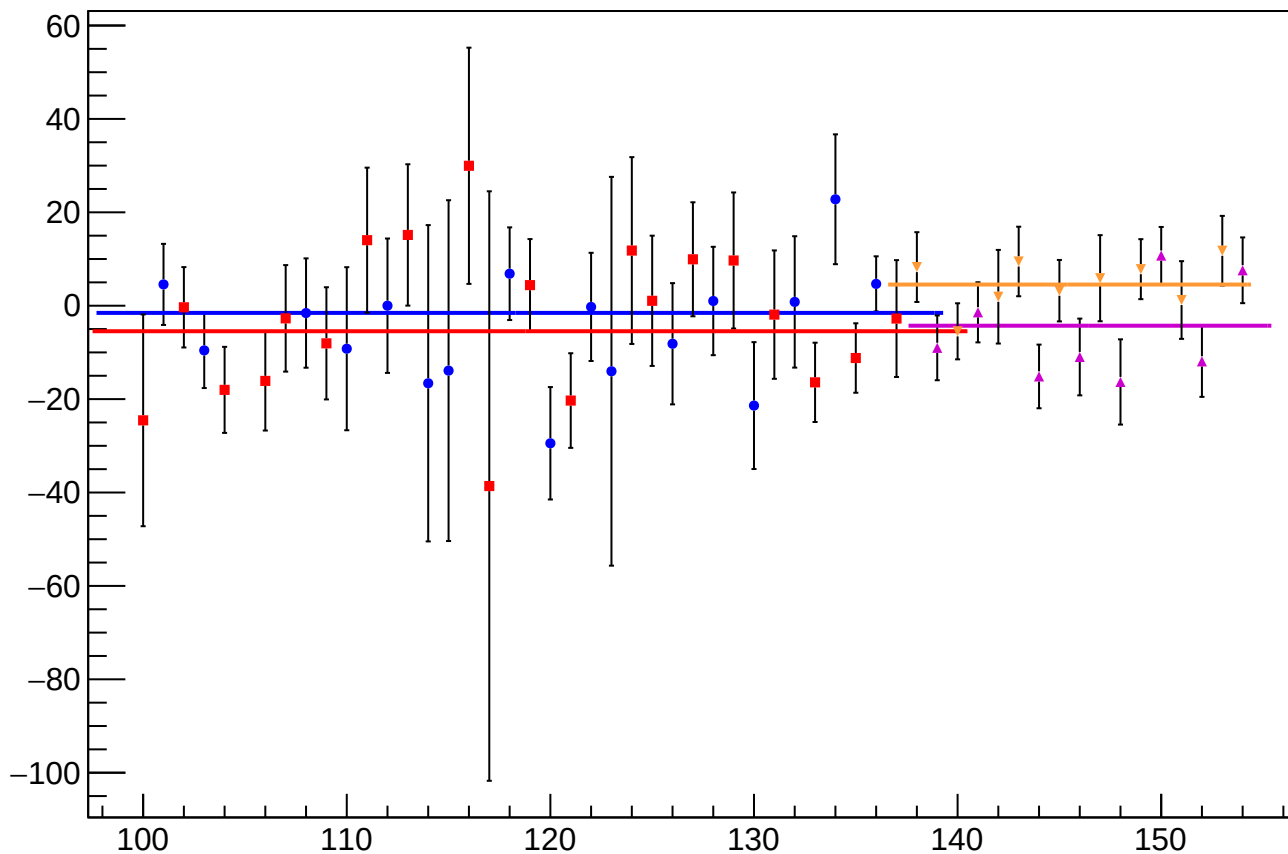
Left In: 9090.800 $\pm$ 2.539 χ^2/NDF : 212511.9/7

9952.838 $\pm$ 2.002 χ^2/NDF : 1653354.2/25

10194.028 $\pm$ 1.436 χ^2/NDF : 3233987.5/5

10449.408 $\pm$ 2.060 χ^2/NDF : 1550758.8/27

diff_bpm4eY_mean vs Slug, Sign Corrected



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

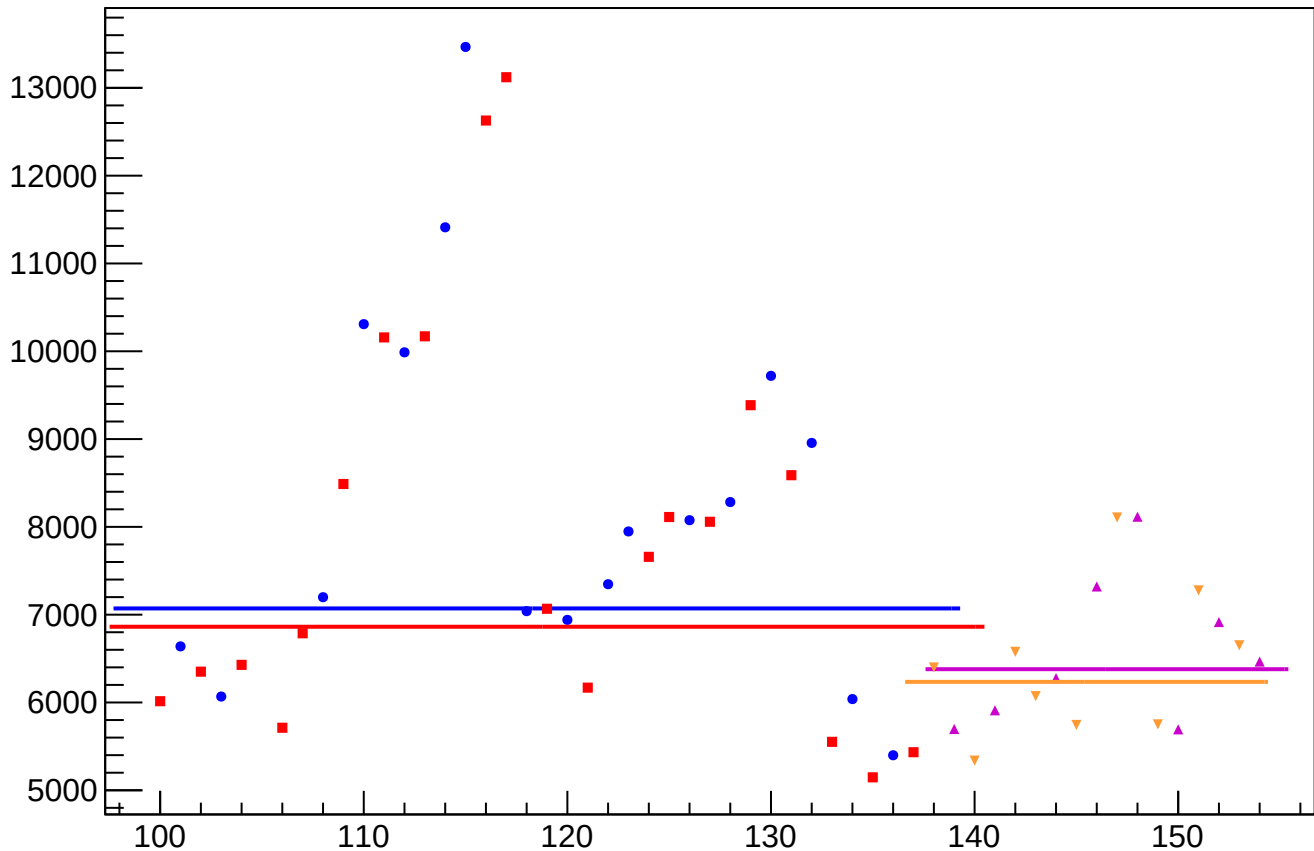
Left In: -4.281 ± 2.521 χ^2/NDF : 15.5/7

1.878 ± 1.845 χ^2/NDF : 22.5/25

-1.526 ± 1.297 χ^2/NDF : 63.6/53

-4.845 ± 1.822 χ^2/NDF : 34.4/27

diff_bpm4eY_rms vs Slug, Sign Corrected



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

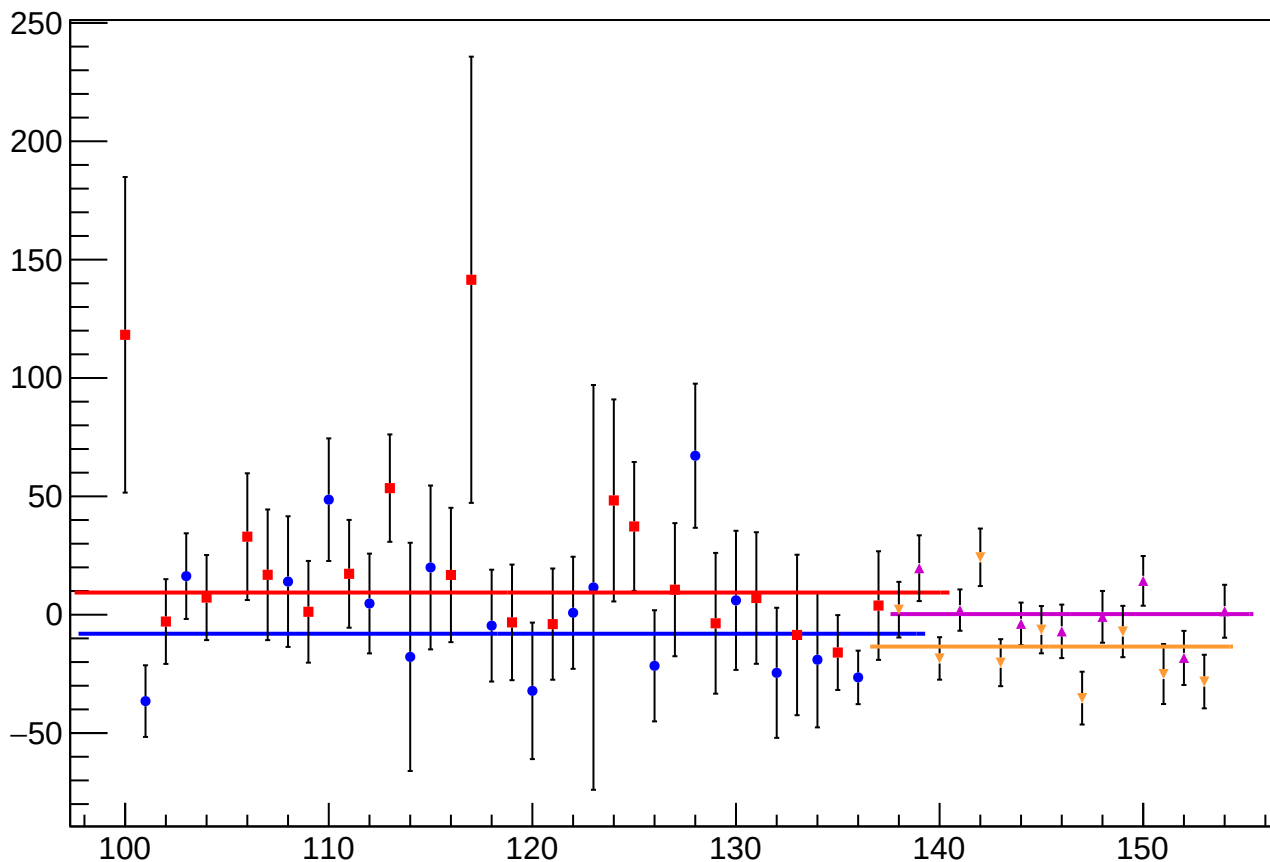
Left In: 6379.061+/-1.783 χ^2/NDF : 164245.0/7

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

6605.319+/-0.917 χ^2/NDF : 1796732.2/53

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

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -8.036 $\pm$ 5.497 χ^2/NDF : 22.6/16

Left Out: -13.460 $\pm$ 3.600 χ^2/NDF : 19.4/8

Right Out: 9.368 $\pm$ 5.556 χ^2/NDF : 15.7/19

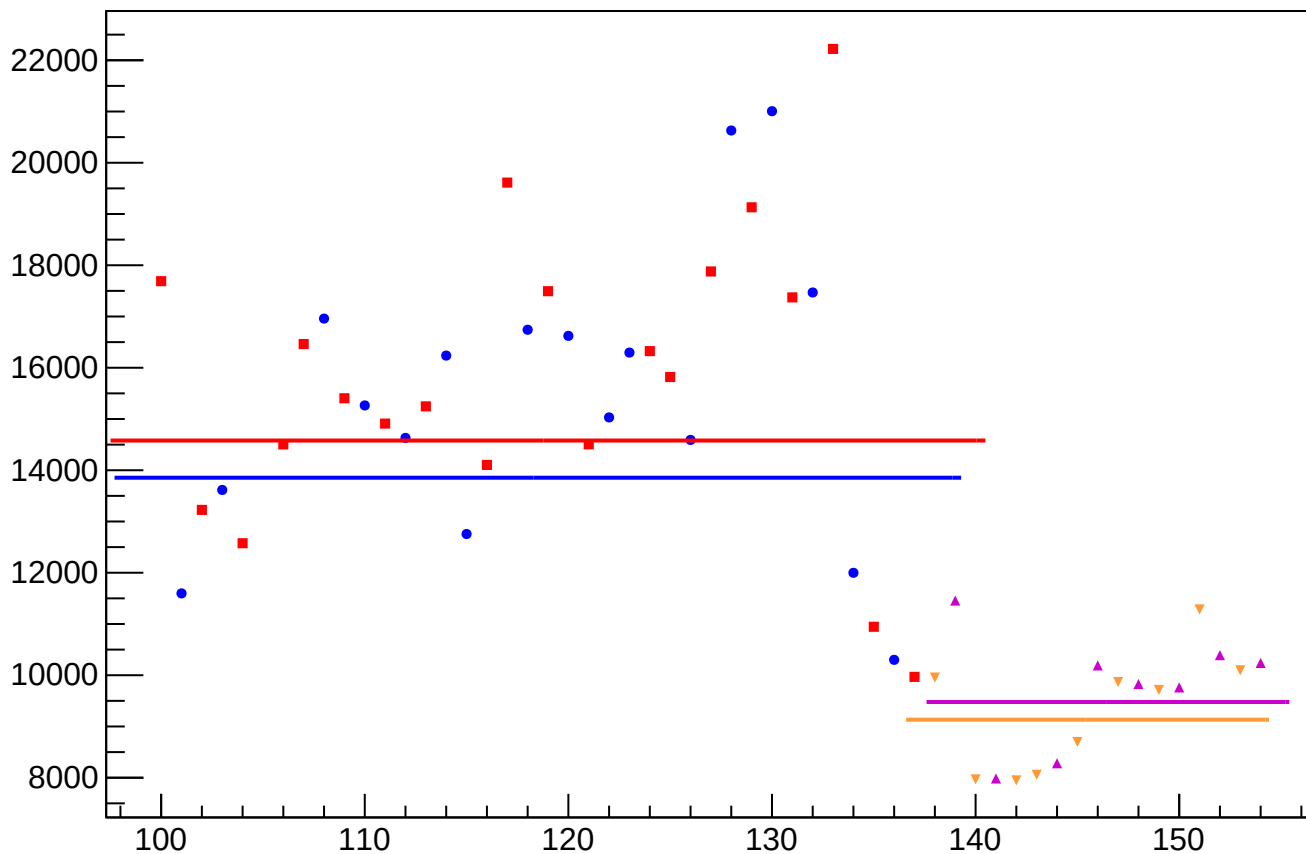
Left In: 0.261 $\pm$ 3.737 χ^2/NDF : 7.0/7

-11.832 $\pm$ 3.012 χ^2/NDF : 42.6/25

-4.585 $\pm$ 2.160 χ^2/NDF : 79.1/53

3.097 $\pm$ 3.101 χ^2/NDF : 24.5/27

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13854.187 $\pm$ 3.887 χ^2/NDF : 600963.4/16

Left Out: 9131.806 $\pm$ 2.545 χ^2/NDF :176290.9/8

Right Out: 14579.863 $\pm$ 3.929 χ^2/NDF : 480003.4/19

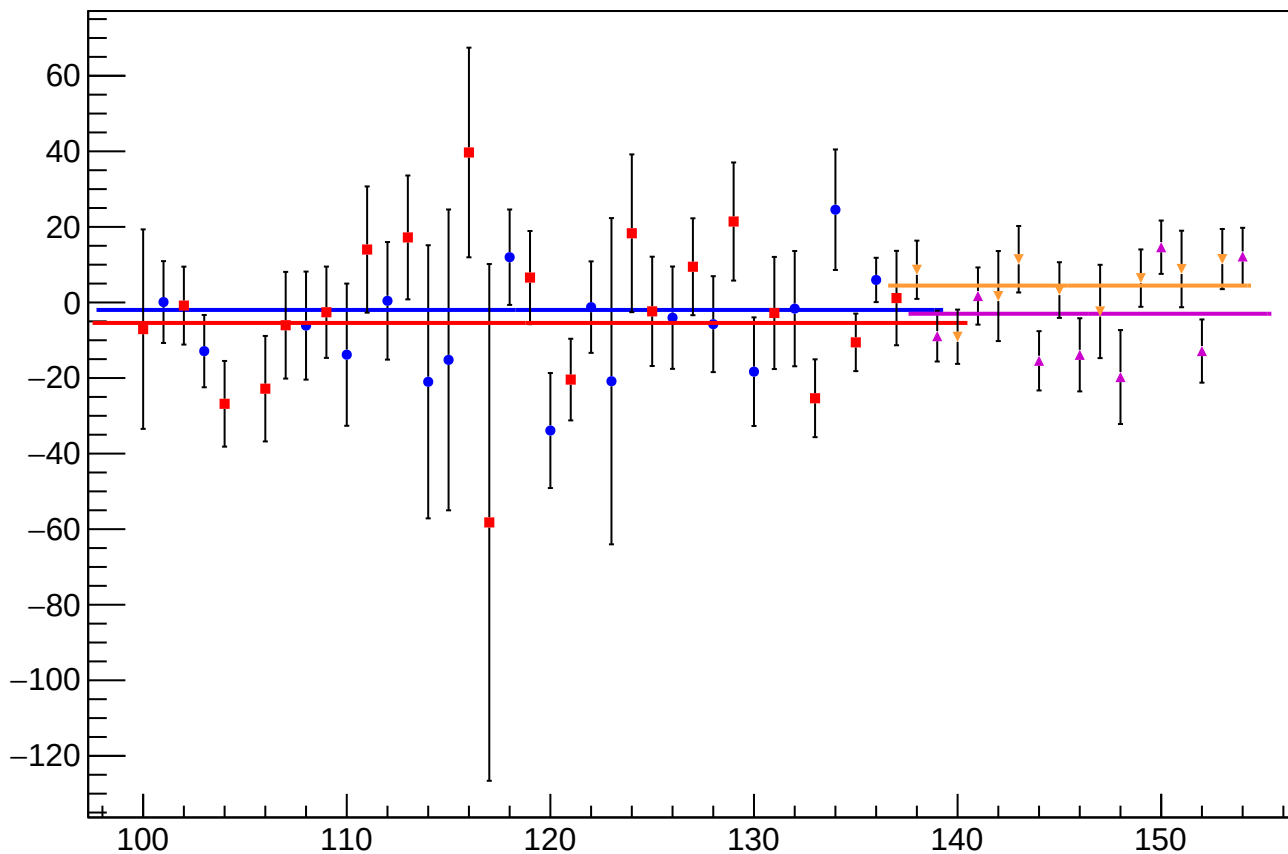
Left In: 9477.922 $\pm$ 2.642 χ^2/NDF :168126.3/7

10549.010 $\pm$ 2.129 χ^2/NDF : 1810189.0/25

10800.305 $\pm$ 1.528 χ^2/NDF : 3648089.4/5

11066.702 $\pm$ 2.193 χ^2/NDF : 1809212.2/27

diff_bpm4acY_mean vs Slug, Sign Corrected



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

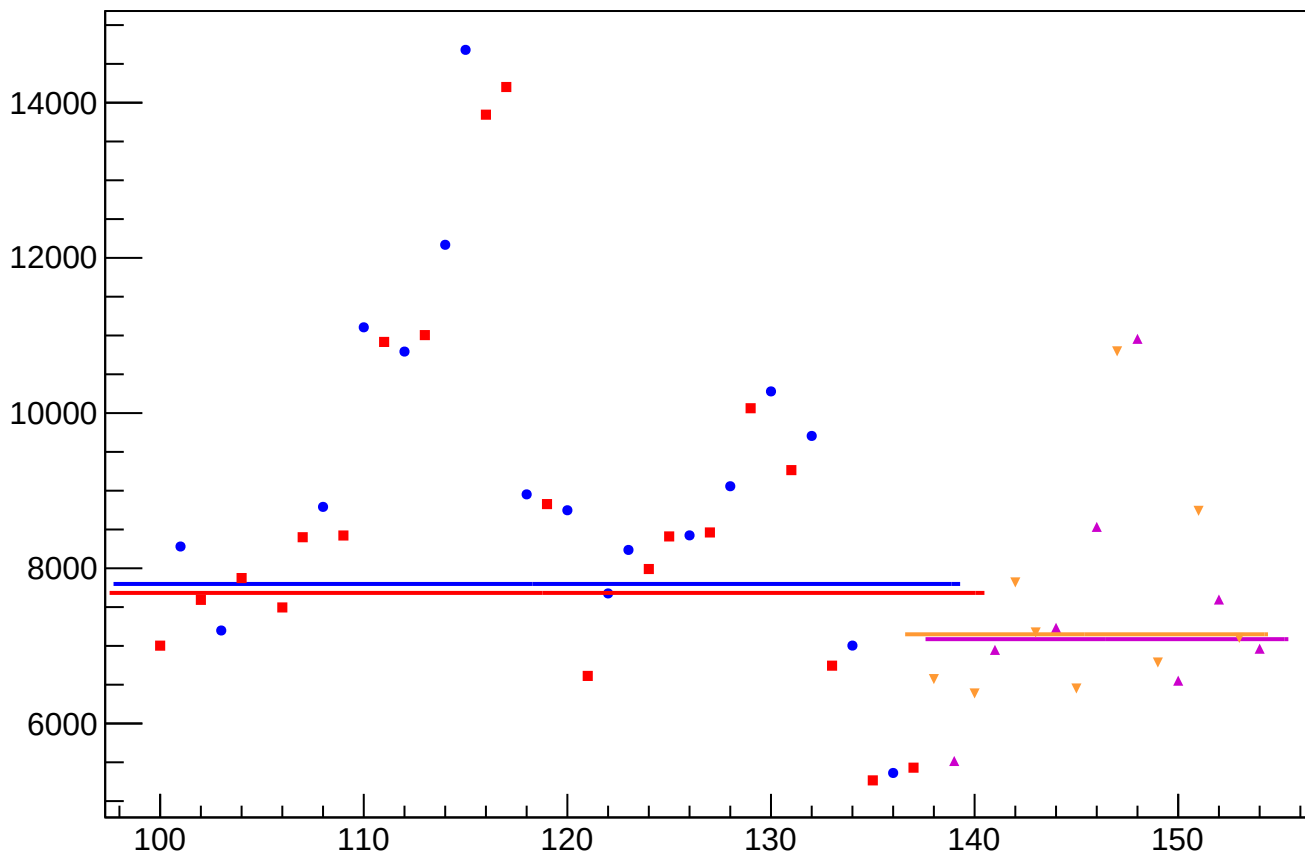
Left In: -2.987+/-2.831 χ^2/NDF : 18.4/7

1.520+/-2.092 χ^2/NDF : 22.3/25

-1.380+/-1.462 χ^2/NDF : 69.7/53

-4.150+/-2.044 χ^2/NDF : 43.6/27

diff_bpm4acY_rms vs Slug, Sign Corrected



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

Left Out: 7149.485 $\pm$ 2.007 χ^2/NDF : 286513.1/8

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

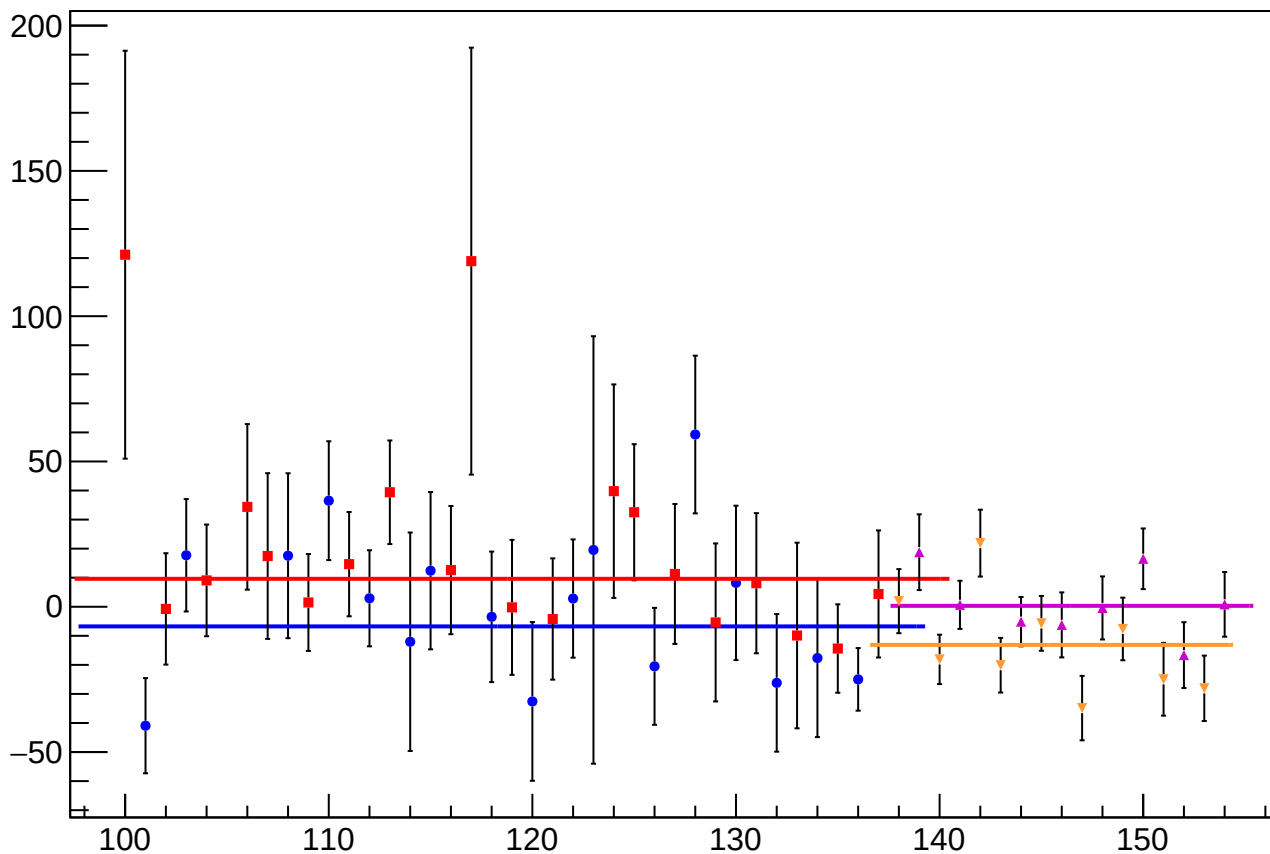
Left In: 7086.863 $\pm$ 2.002 χ^2/NDF : 368674.6/7

7446.029 $\pm$ 1.479 χ^2/NDF : 1070542.7/25

7408.135 $\pm$ 1.034 χ^2/NDF : 2173808.5/53

7371.939 $\pm$ 1.446 χ^2/NDF : 1101982.4/27

diff_bpm4ecX_mean vs Slug, Sign Corrected



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

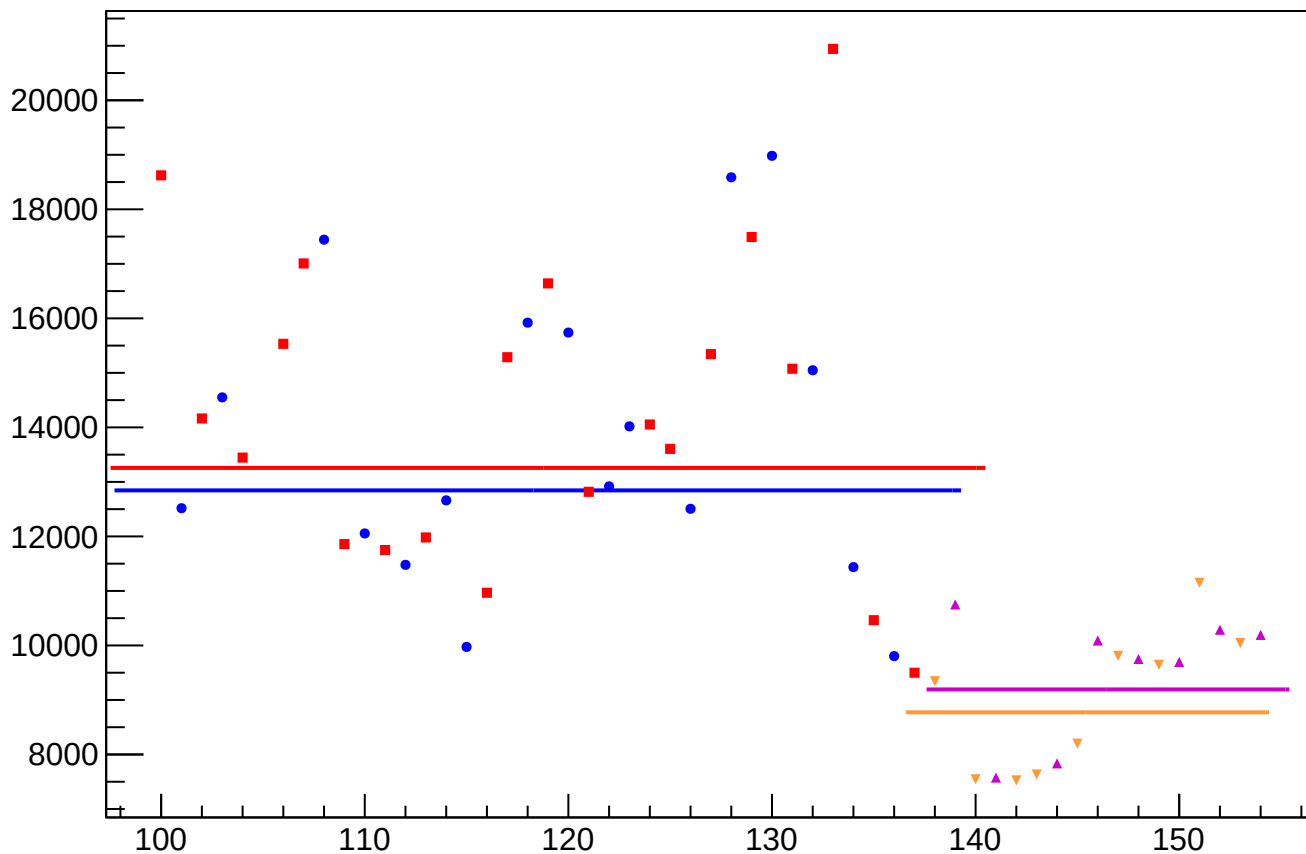
Left In: 0.322 ± 3.631 χ^2/NDF : 7.4/7

-11.100 ± 2.865 χ^2/NDF : 44.2/25

-4.020 ± 2.055 χ^2/NDF : 80.9/53

3.484 ± 2.950 χ^2/NDF : 24.1/27

diff_bpm4ecX_rms vs Slug, Sign Corrected



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

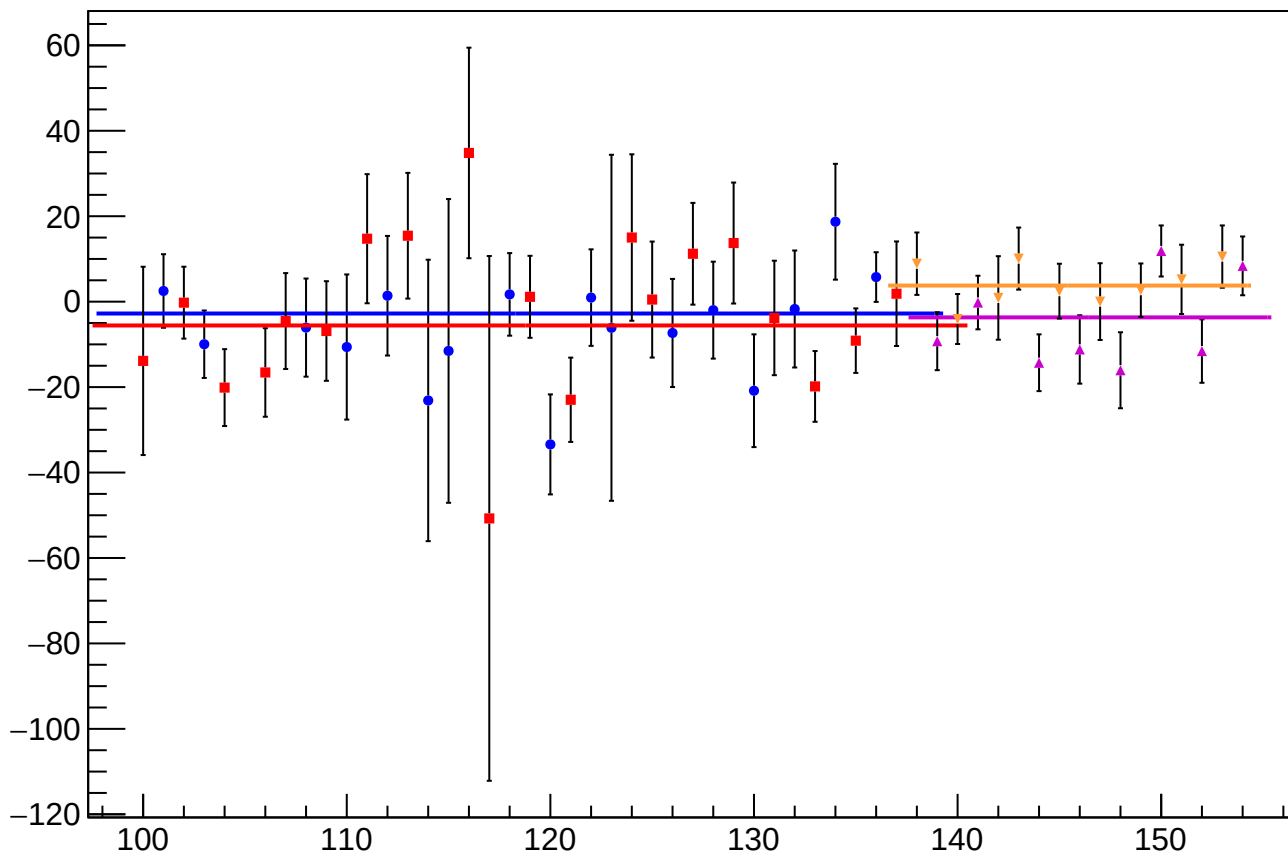
Left In: 9193.013+/-2.567 χ^2/NDF : 213509.6/7

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

10312.802+/-1.453 χ^2/NDF : 3240945.3/5

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

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.774 $\pm$ 2.732 χ^2/NDF : 15.9/16

Left Out: 3.767 $\pm$ 2.400 χ^2/NDF : 4.3/8

Right Out: -5.571 $\pm$ 2.585 χ^2/NDF : 23.7/19

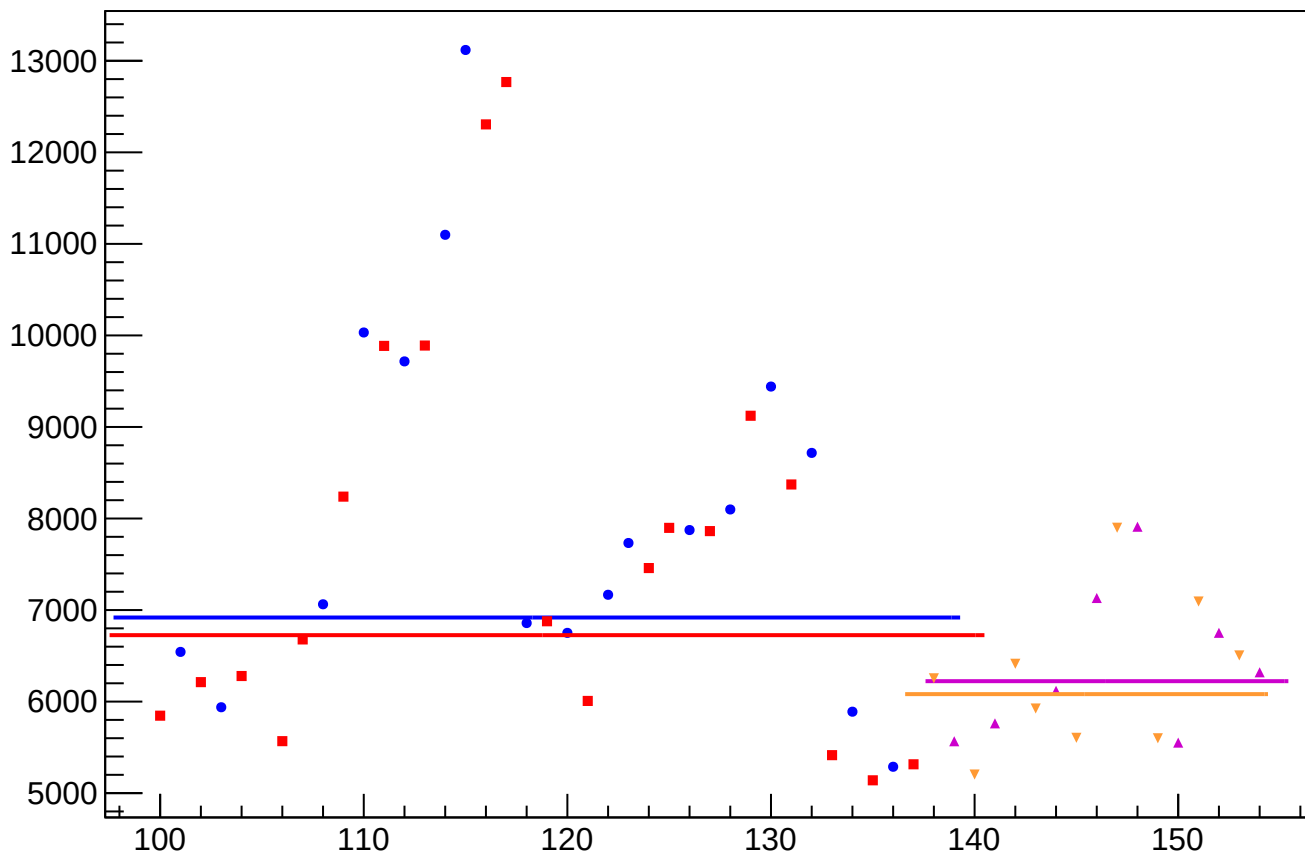
Left In: -3.685 $\pm$ 2.459 χ^2/NDF : 17.3/7

0.918 $\pm$ 1.803 χ^2/NDF : 23.4/25

-1.864 $\pm$ 1.267 χ^2/NDF : 69.4/53

-4.581 $\pm$ 1.782 χ^2/NDF : 41.3/27

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.477 ± 1.932 $\chi^2/\text{NDF}: 587039.3/16$

Left Out: 6081.587 ± 1.697 $\chi^2/\text{NDF}: 192069.2/8$

Right Out: 6725.745 ± 1.828 $\chi^2/\text{NDF}: 675399.9/19$

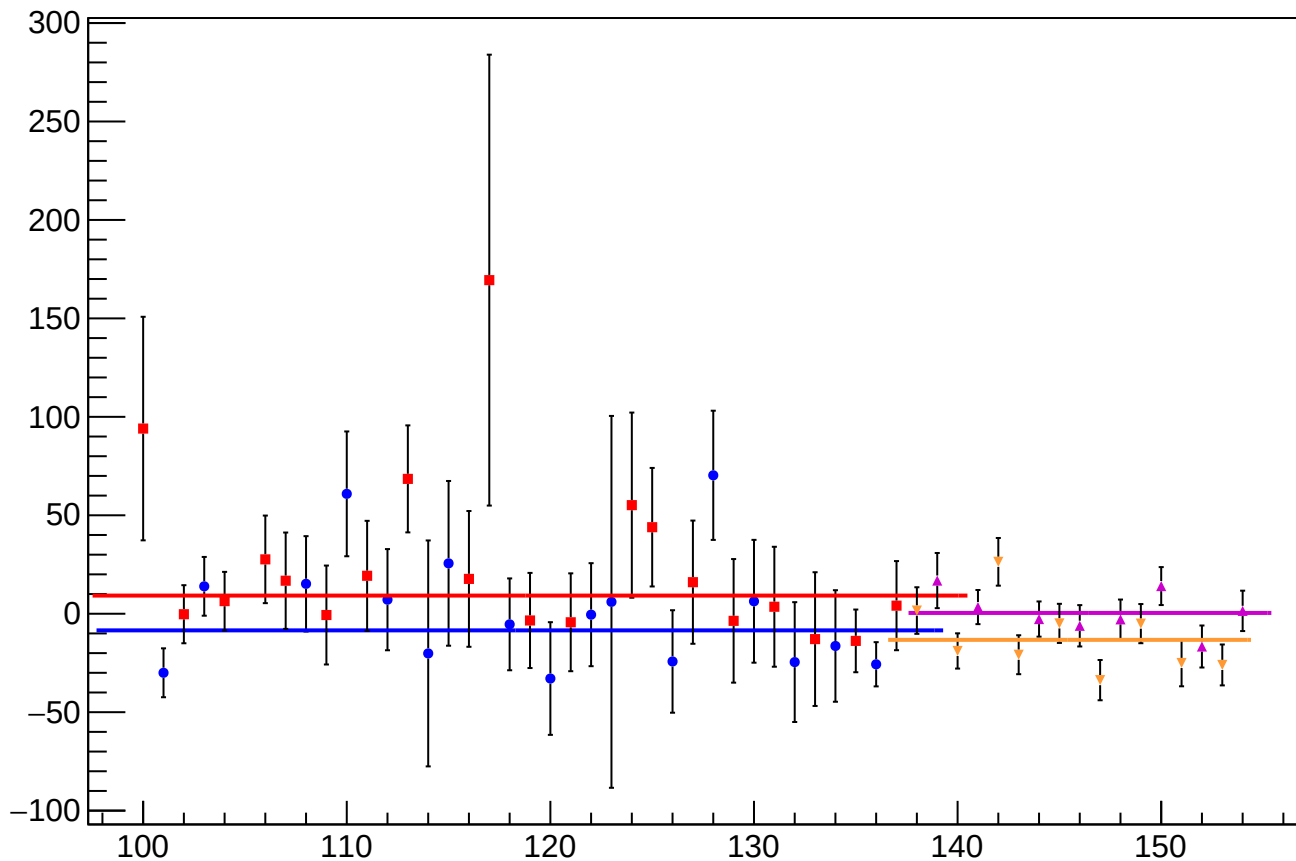
Left In: 6223.042 ± 1.739 $\chi^2/\text{NDF}: 163503.4/7$

6446.177 ± 1.275 $\chi^2/\text{NDF}: 885049.2/25$

6454.115 ± 0.896 $\chi^2/\text{NDF}: 1763727.8/53$

6461.867 ± 1.260 $\chi^2/\text{NDF}: 878601.9/27$

diff_bpm1X_mean vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 16.2/19$

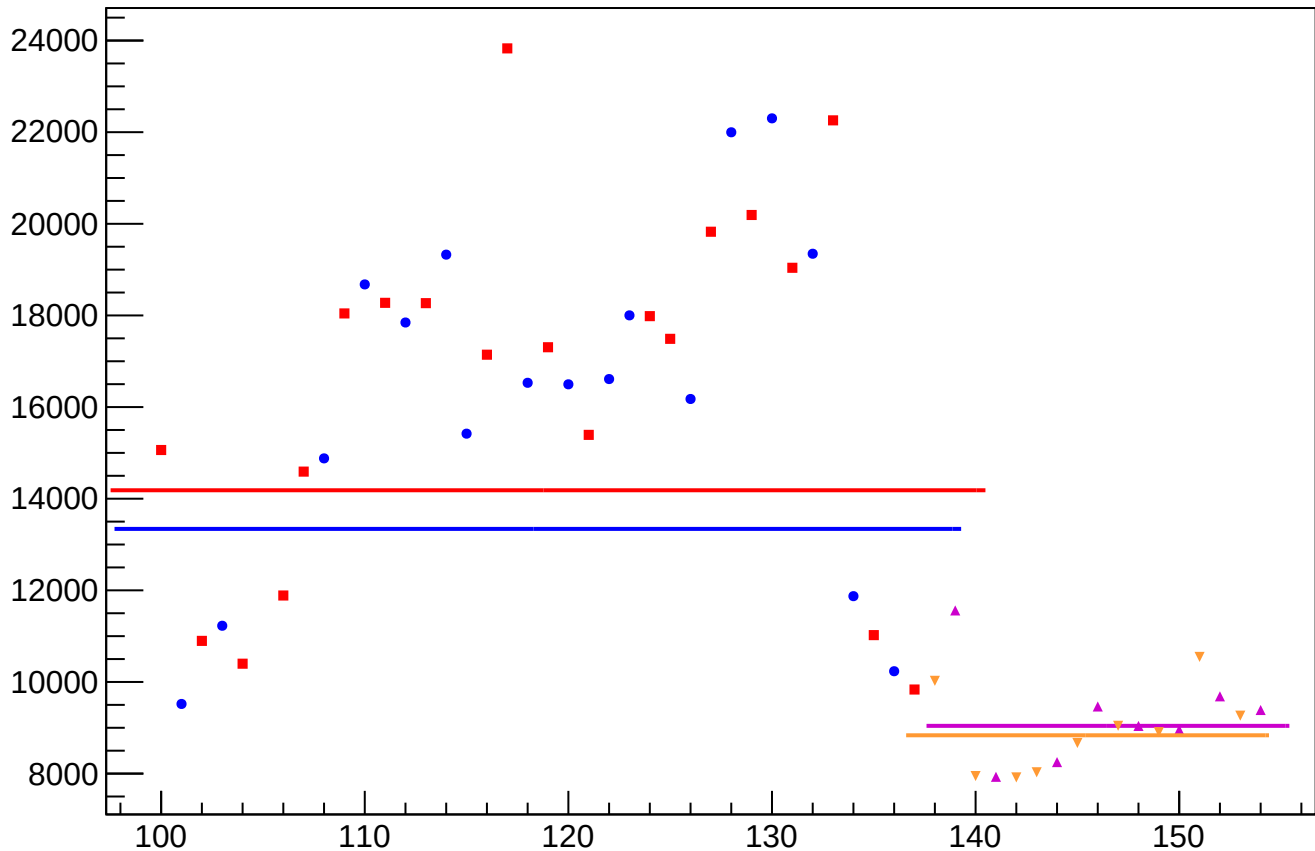
Left In: 0.407 ± 3.560 $\chi^2/\text{NDF}: 6.7/7$

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

-4.594 ± 2.089 $\chi^2/\text{NDF}: 81.0/53$

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

diff_bpm1X_rms vs Slug, Sign Corrected



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

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

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

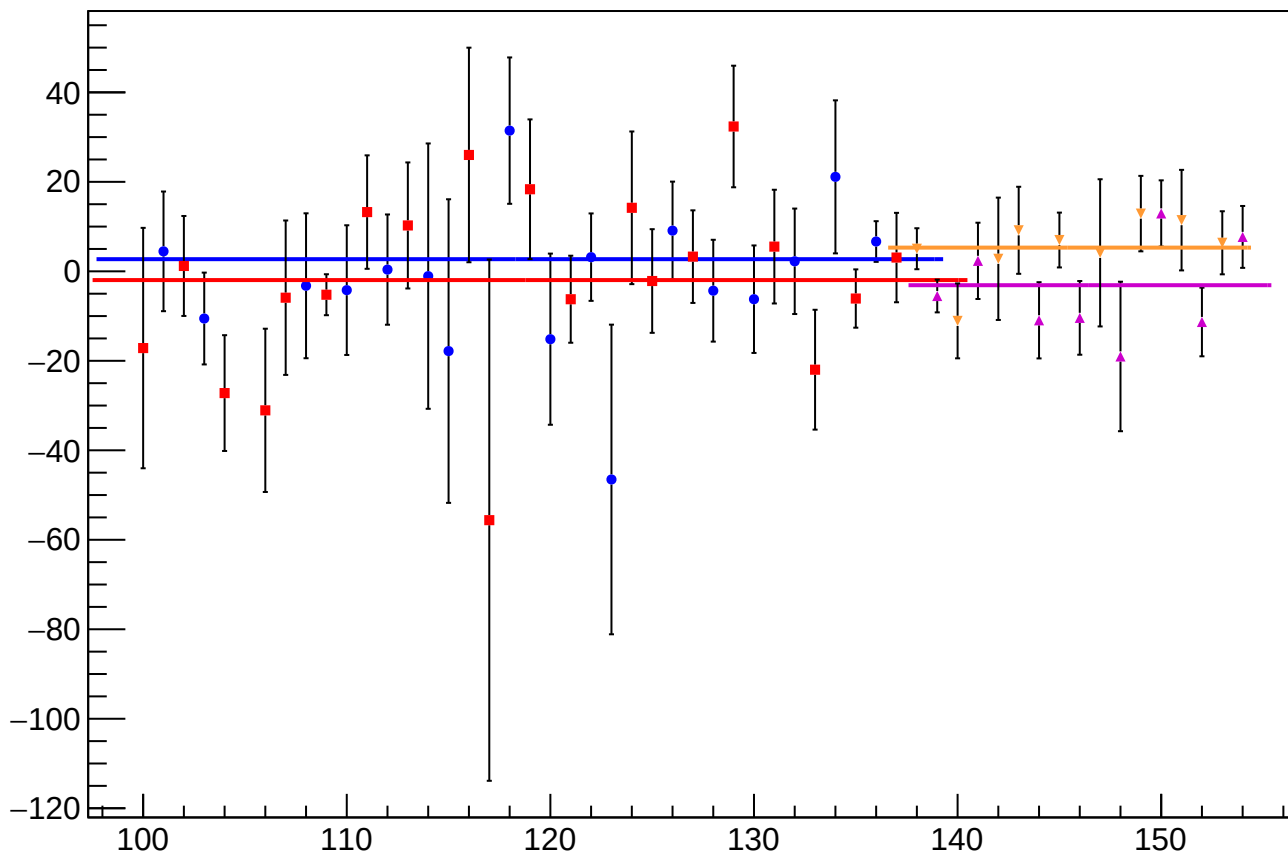
Left In: 9042.265+/-2.517 χ^2/NDF : 126119.7/7

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

10353.668+/-1.477 χ^2/NDF : 4464256.9/5

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

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.717 ± 2.752 $\chi^2/\text{NDF}: 11.6/16$

Left Out: 5.301 ± 2.579 $\chi^2/\text{NDF}: 5.2/8$

Right Out: -1.955 ± 2.437 $\chi^2/\text{NDF}: 24.4/19$

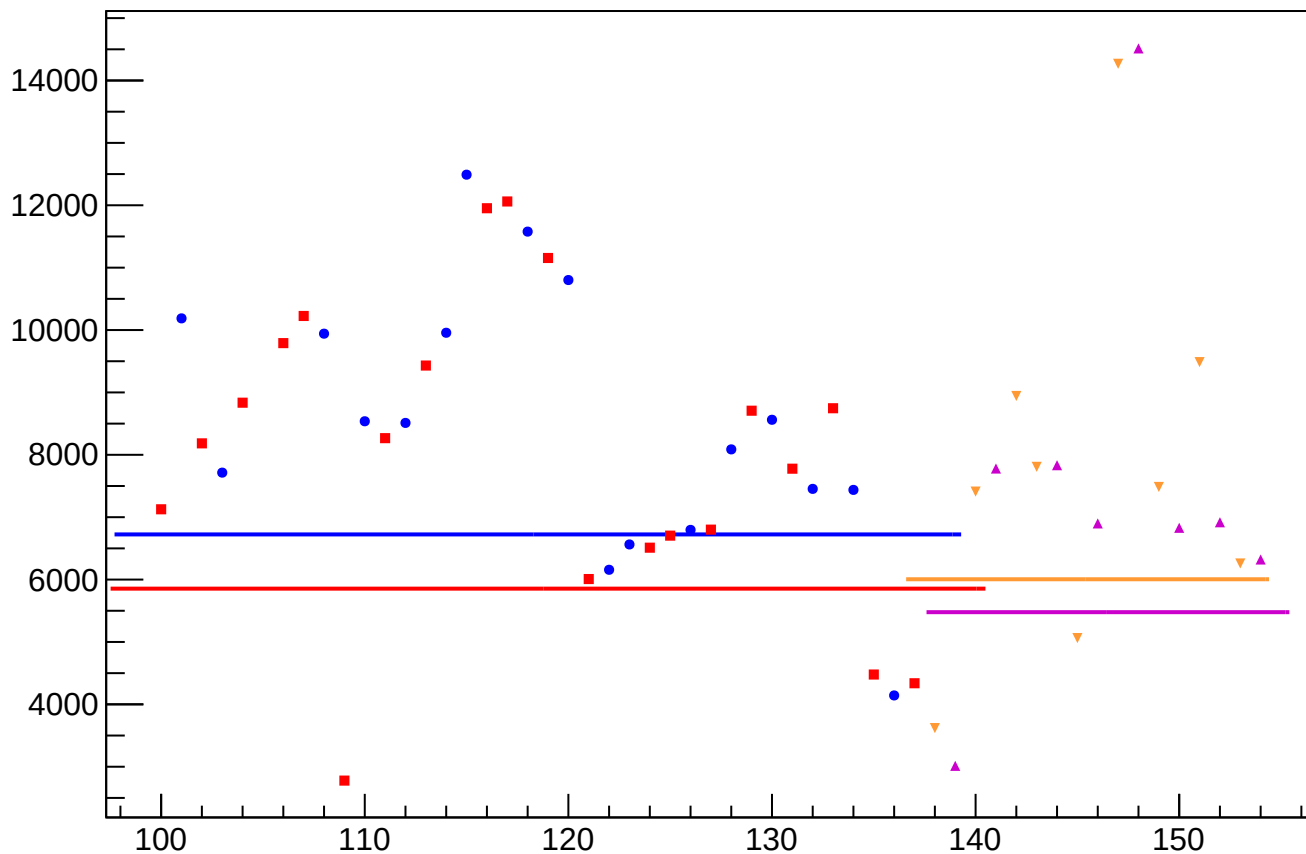
Left In: -3.101 ± 2.378 $\chi^2/\text{NDF}: 11.7/7$

4.092 ± 1.882 $\chi^2/\text{NDF}: 17.4/25$

0.442 ± 1.262 $\chi^2/\text{NDF}: 60.3/53$

-2.542 ± 1.702 $\chi^2/\text{NDF}: 36.2/27$

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6723.839 $\pm$ 1.946 χ^2/NDF : 1392082.5/16

Left Out: 6005.122 $\pm$ 1.824 χ^2/NDF : 1568370.2/8

Right Out: 5854.708 $\pm$ 1.723 χ^2/NDF : 2299964.9/19

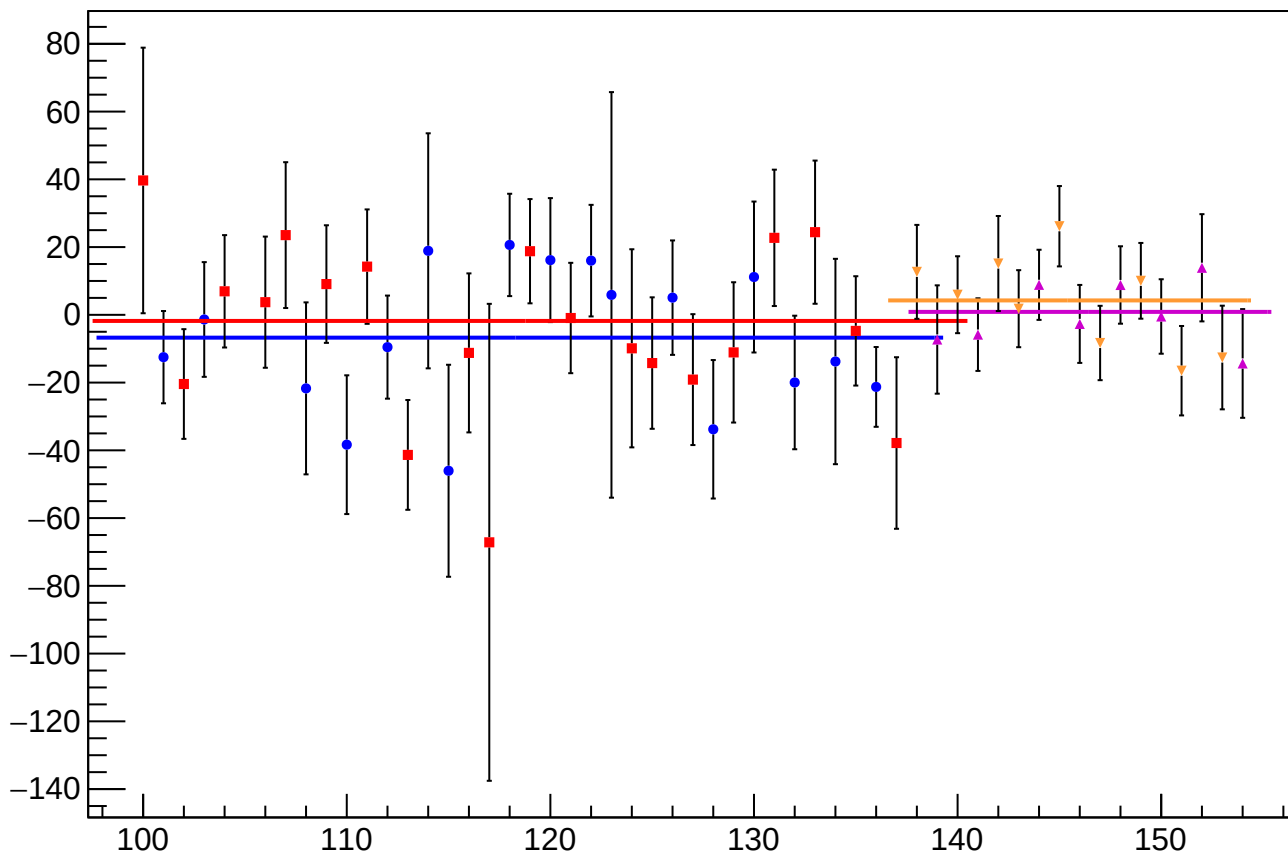
Left In: 5477.528 $\pm$ 1.681 χ^2/NDF : 2019195.5/7

6341.211 $\pm$ 1.331 χ^2/NDF : 3033073.1/25

5967.280 $\pm$ 0.893 χ^2/NDF : 7520311.1/53

5661.497 $\pm$ 1.203 χ^2/NDF : 4343706.6/27

diff_bpm11X_mean vs Slug, Sign Corrected



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

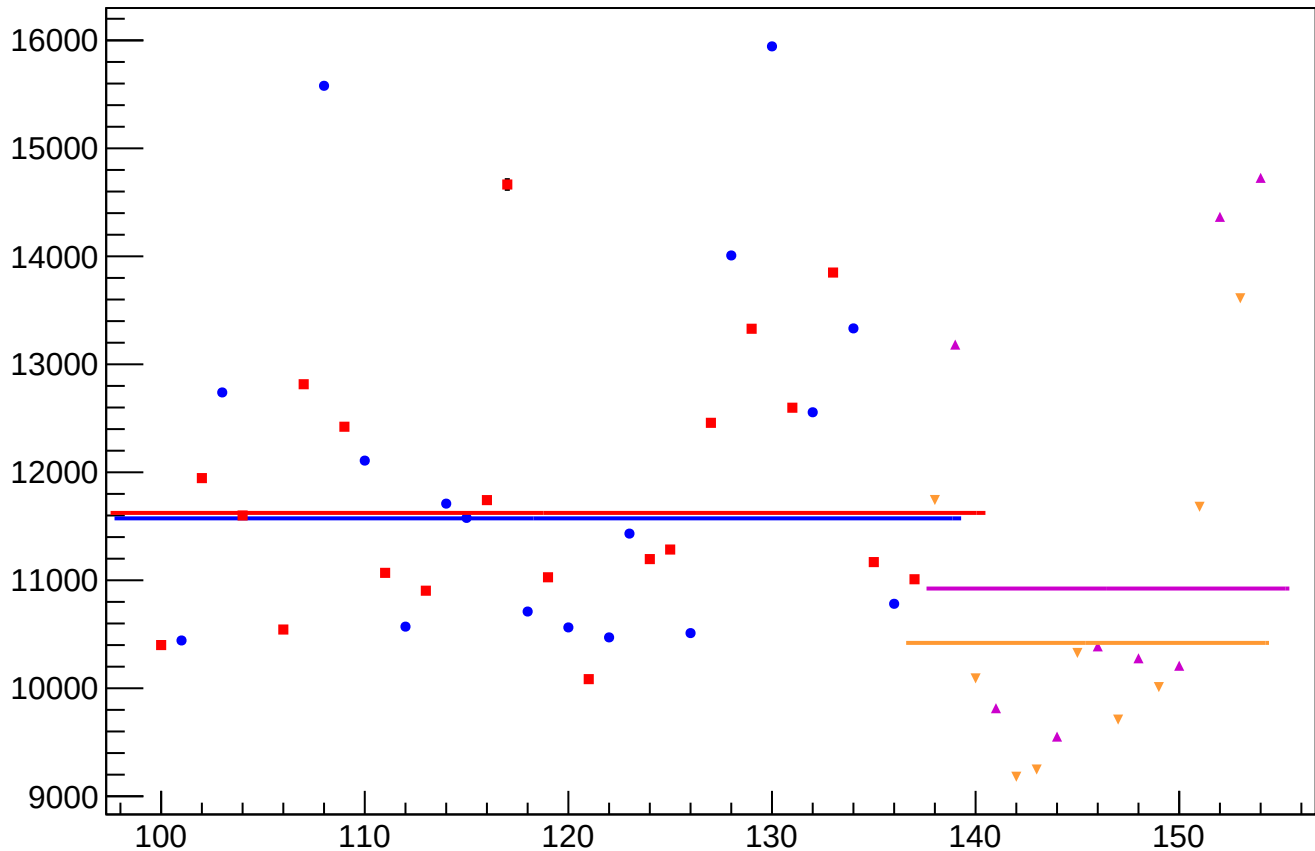
Left In: 0.870 ± 4.331 χ^2/NDF : 3.4/7

-0.729 ± 3.039 χ^2/NDF : 29.8/25

-0.594 ± 2.161 χ^2/NDF : 54.3/53

-0.456 ± 3.074 χ^2/NDF : 24.4/27

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11573.490 $\pm$ 3.191 χ^2/NDF : 238734.7/16

Left Out: 10420.204 $\pm$ 2.906 χ^2/NDF : 173189.4/8

Right Out: 11623.951 $\pm$ 3.086 χ^2/NDF : 98055.0/19

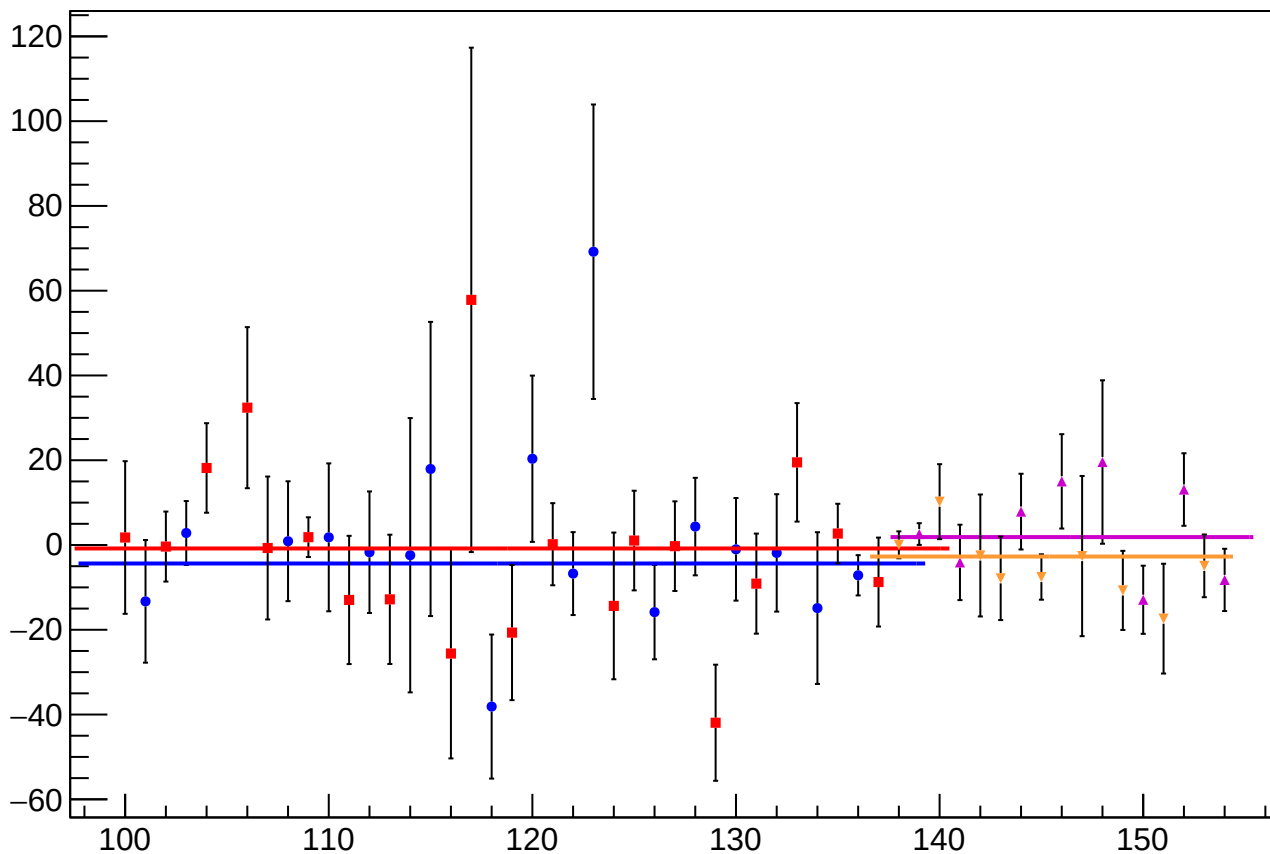
Left In: 10923.597 $\pm$ 3.063 χ^2/NDF : 322475.2/7

10943.106 $\pm$ 2.149 χ^2/NDF : 483317.7/25

11105.226 $\pm$ 1.528 χ^2/NDF : 941315.5/53

11271.145 $\pm$ 2.174 χ^2/NDF : 446479.4/27

diff_bpm11Y_mean vs Slug, Sign Corrected



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

Left Out: -2.721 ± 2.234 χ^2/NDF : 6.1/8

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

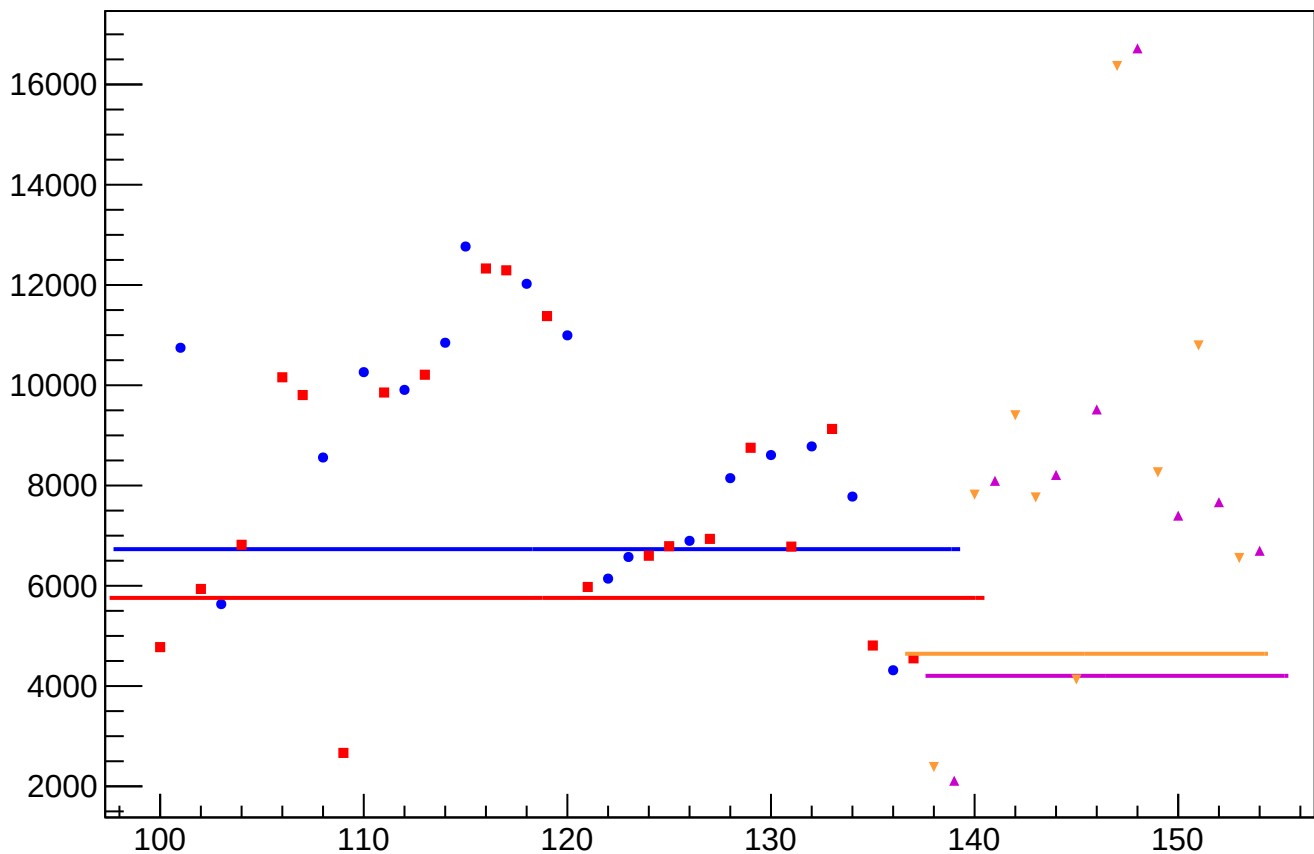
Left In: 1.868 ± 2.058 χ^2/NDF : 10.2/7

-3.365 ± 1.741 χ^2/NDF : 20.8/25

-1.099 ± 1.165 χ^2/NDF : 59.3/53

0.743 ± 1.569 χ^2/NDF : 35.4/27

diff_bpm11Y_rms vs Slug, Sign Corrected



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

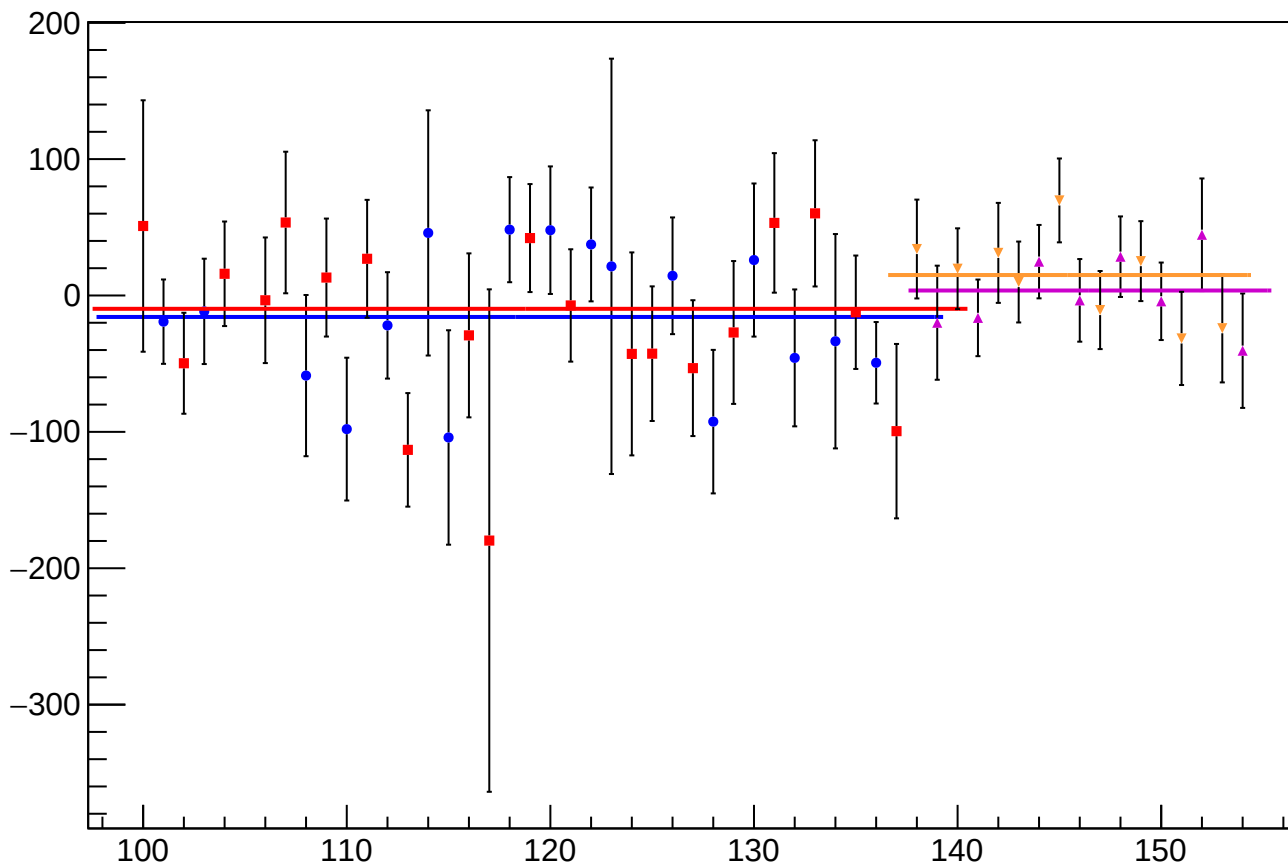
Left In: 4203.846 +/- 1.455 χ^2/NDF : 4292907.5/7

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

5128.149 +/- 0.824 χ^2/NDF : 12584692.3/5

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

diff_bpm12X_mean vs Slug, Sign Corrected



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

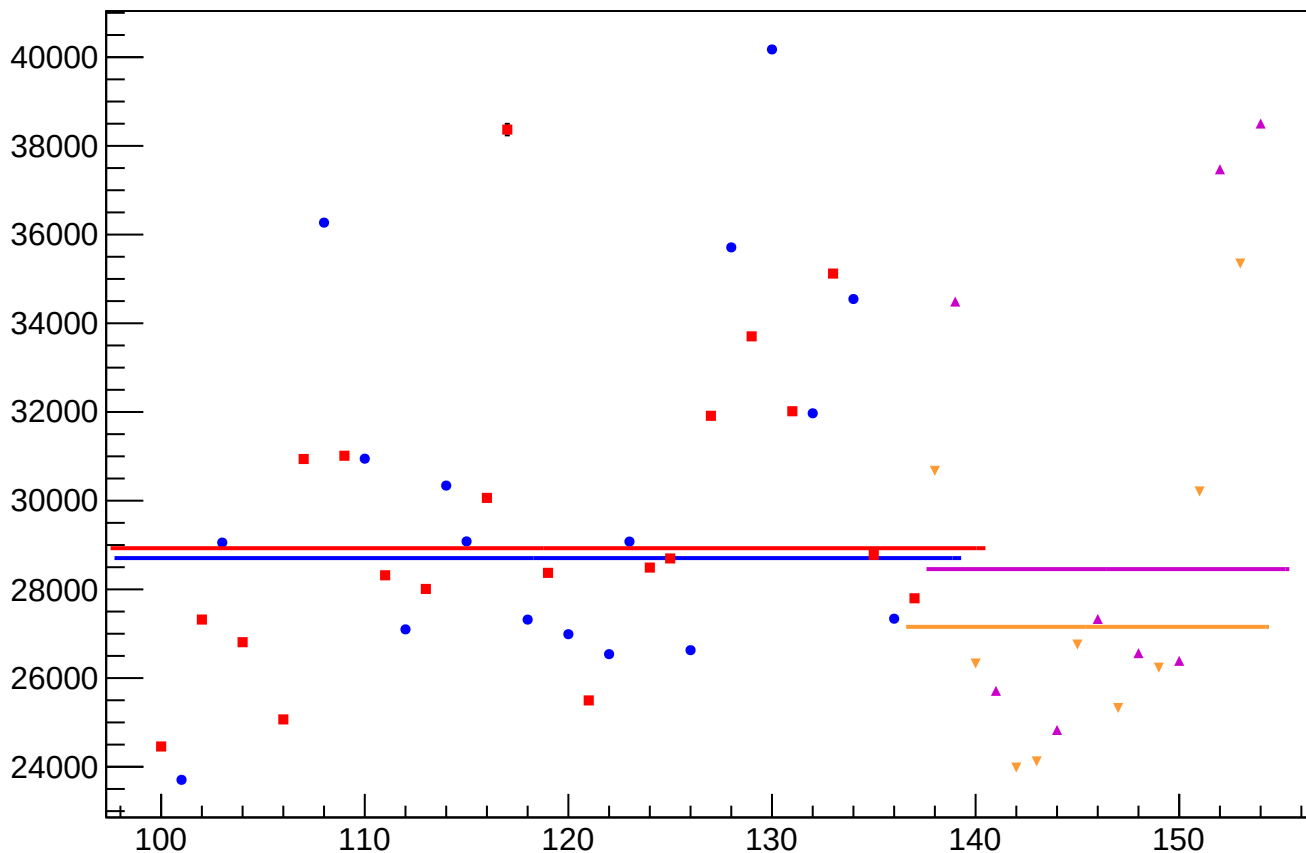
Left In: 3.650 ± 11.287 χ^2/NDF : 4.4/7

0.316 ± 7.744 χ^2/NDF : 27.3/25

-1.479 ± 5.506 χ^2/NDF : 52.6/53

-3.314 ± 7.829 χ^2/NDF : 25.2/27

diff_bpm12X_rms vs Slug, Sign Corrected



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

Left Out: 27155.250 ± 7.575 $\chi^2/\text{NDF}: 167771.2/8$

Right Out: 28928.520 ± 7.686 $\chi^2/\text{NDF}: 116482.4/19$

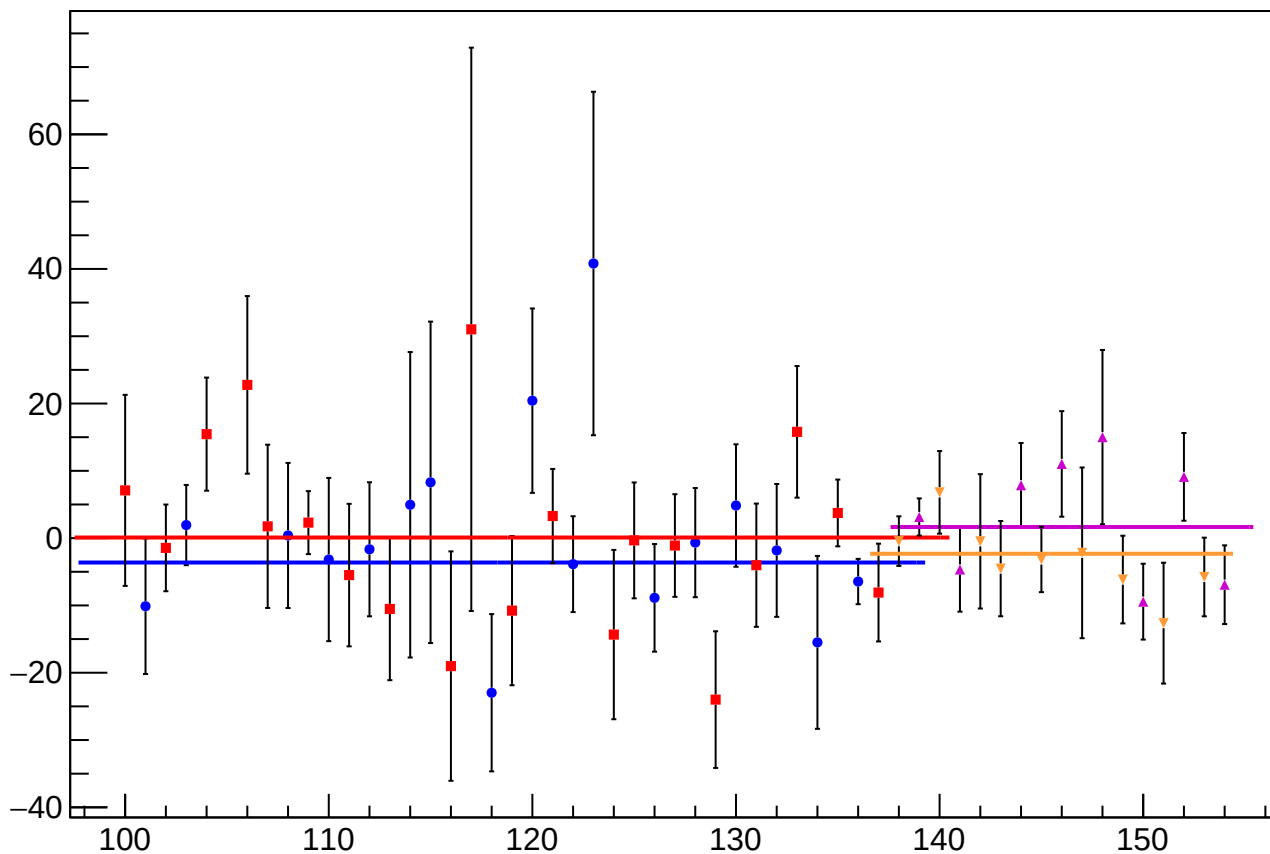
Left In: 28457.289 ± 7.981 $\chi^2/\text{NDF}: 328639.2/7$

27895.410 ± 5.476 $\chi^2/\text{NDF}: 438762.6/25$

28294.154 ± 3.893 $\chi^2/\text{NDF}: 896416.1/53$

28701.758 ± 5.536 $\chi^2/\text{NDF}: 446930.3/27$

diff_bpm12Y_mean vs Slug, Sign Corrected



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

Left Out: -2.321+/-2.024 χ^2/NDF : 4.6/8

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

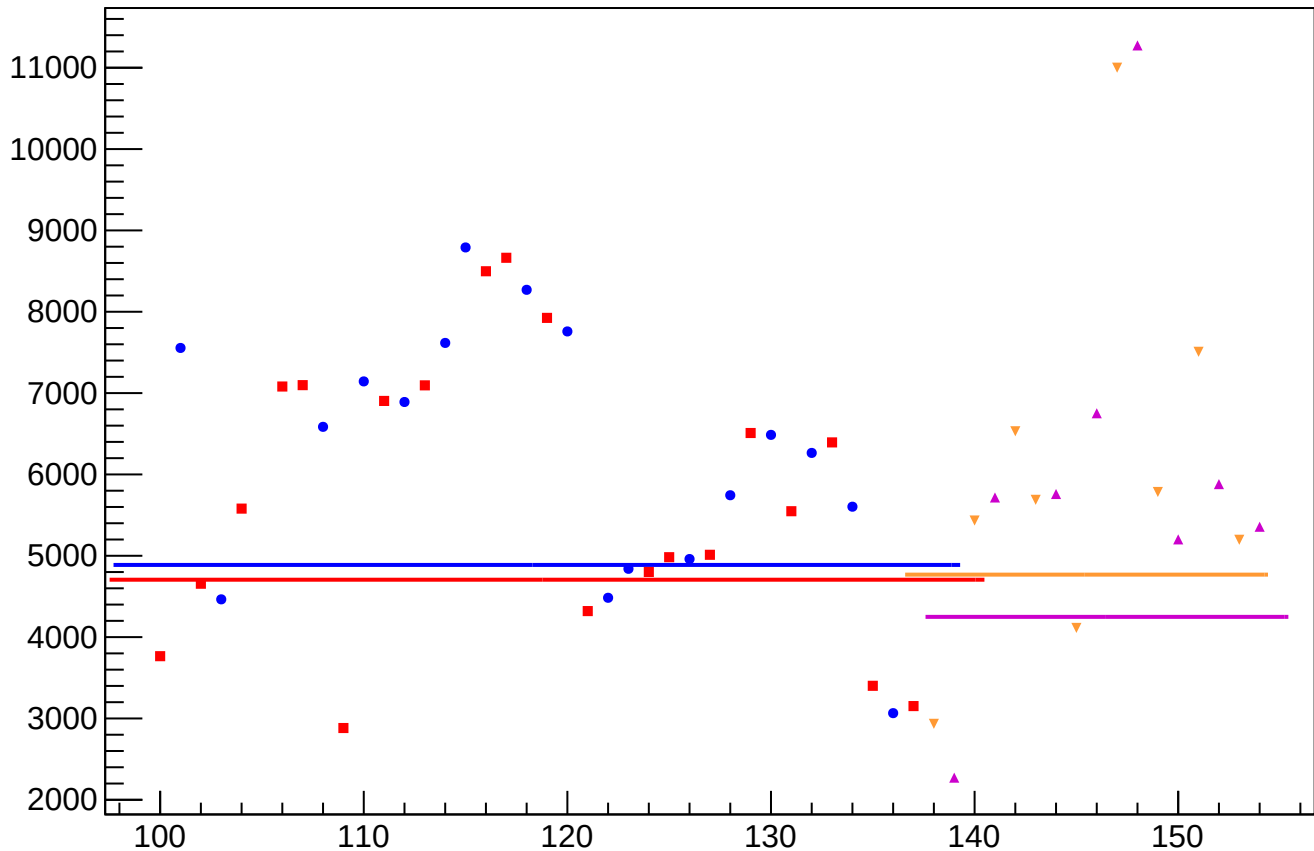
Left In: 1.653+/-1.862 χ^2/NDF : 12.1/7

-2.979+/-1.425 χ^2/NDF : 18.6/25

-0.909+/-0.970 χ^2/NDF : 57.6/53

0.883+/-1.326 χ^2/NDF : 35.1/27

diff_bpm12Y_rms vs Slug, Sign Corrected



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

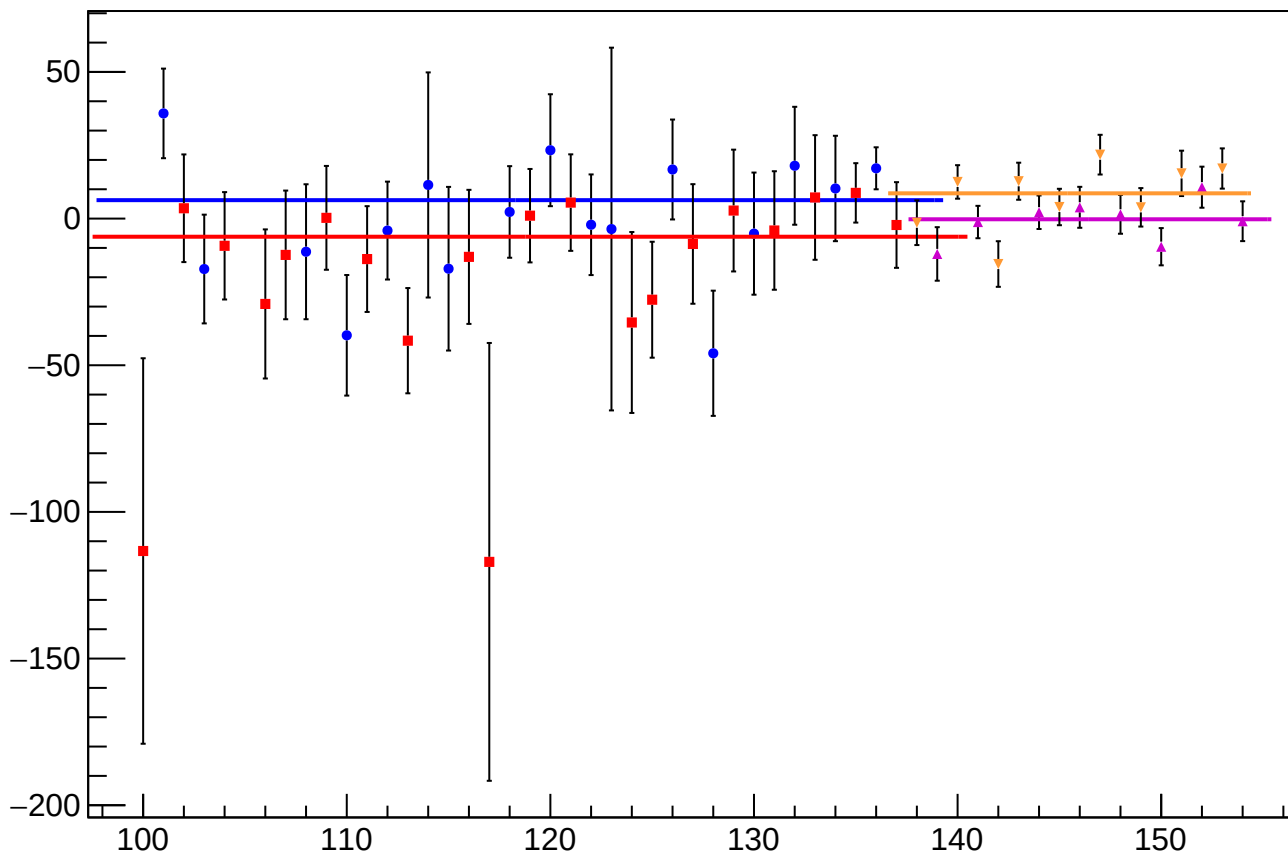
Left In: 4249.035 ± 1.316 χ^2/NDF : 2297020.4/7

4828.418 ± 1.007 χ^2/NDF : 2793316.1/25

4638.568 ± 0.686 χ^2/NDF : 6547000.1/53

4474.197 ± 0.937 χ^2/NDF : 3687416.2/27

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.283 $\pm$ 4.064 χ^2/NDF : 22.5/16

Left Out: 8.613 $\pm$ 2.245 χ^2/NDF : 19.4/8

Right Out: -6.182 $\pm$ 4.212 χ^2/NDF : 16.0/19

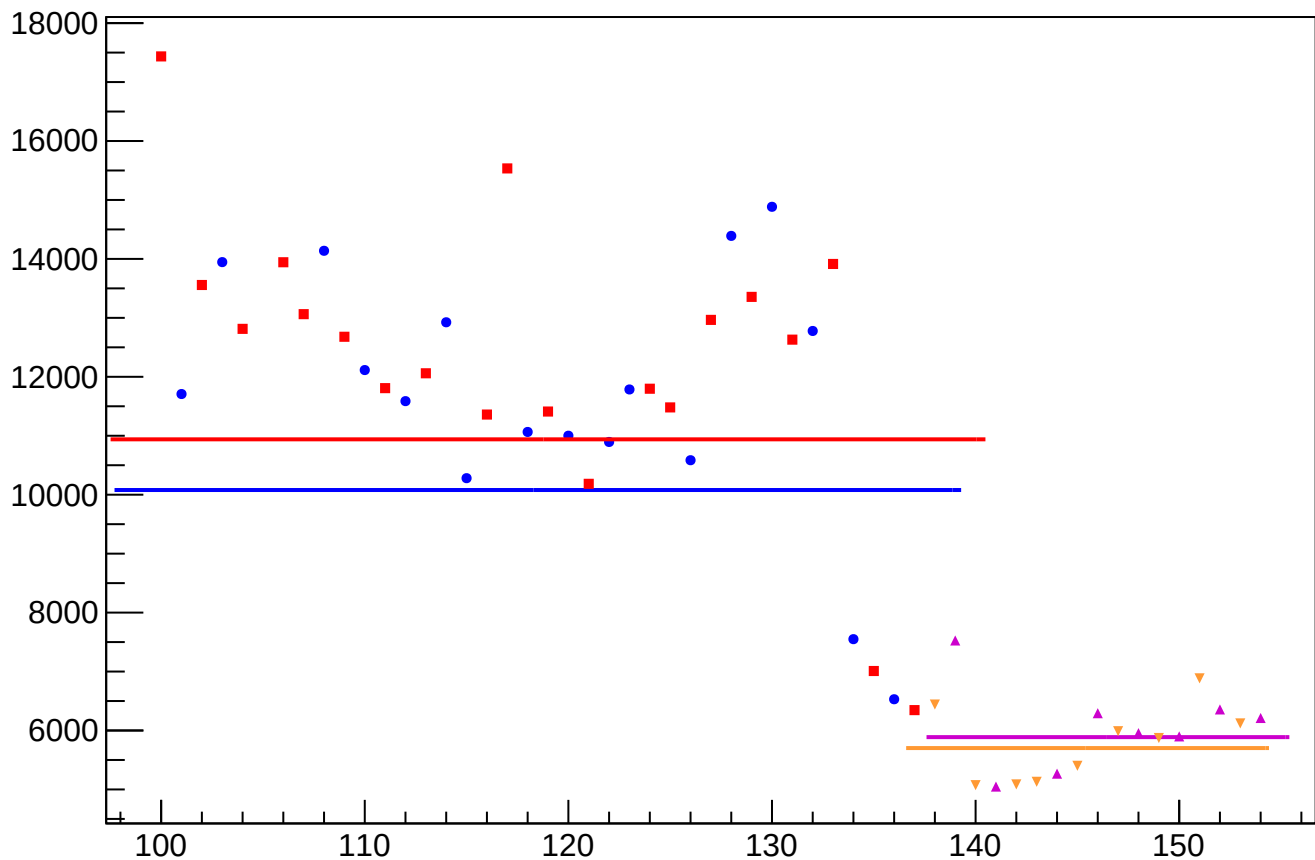
Left In: -0.234 $\pm$ 2.320 χ^2/NDF : 6.9/7

8.069 $\pm$ 1.965 χ^2/NDF : 42.2/25

3.388 $\pm$ 1.413 χ^2/NDF : 78.4/53

-1.619 $\pm$ 2.032 χ^2/NDF : 24.5/27

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10079.454 $\pm$ 2.874 χ^2/NDF : 994683.1/16

Left Out: 5701.951 $\pm$ 1.587 χ^2/NDF :135864.8/8

Right Out: 10939.227 $\pm$ 2.979 χ^2/NDF : 776055.3/19

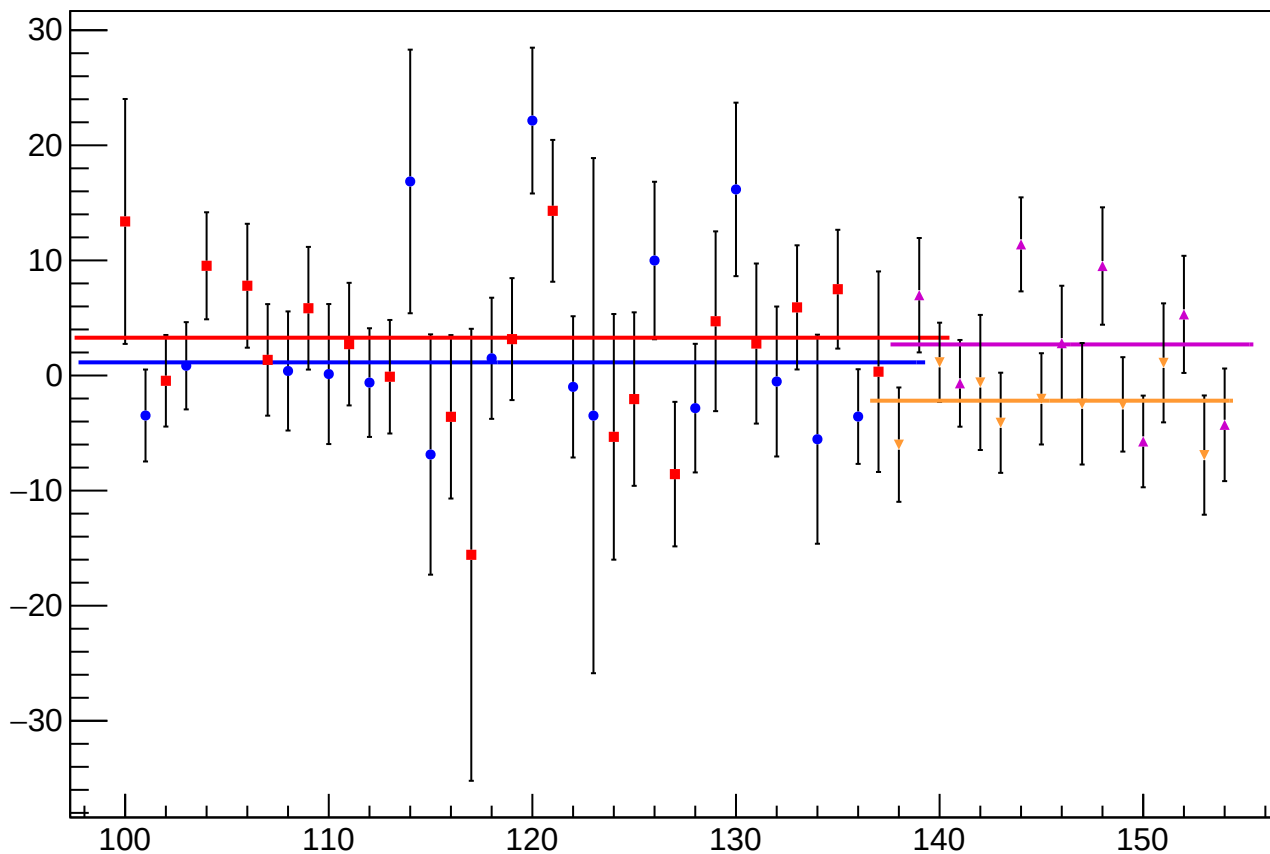
Left In: 5887.505 $\pm$ 1.641 χ^2/NDF :154871.8/7

6725.295 $\pm$ 1.389 χ^2/NDF : 2908439.7/25

6888.671 $\pm$ 0.999 χ^2/NDF : 6074861.6/53

7063.436 $\pm$ 1.437 χ^2/NDF : 3137807.3/27

diff_bpm16Y_mean vs Slug, Sign Corrected



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

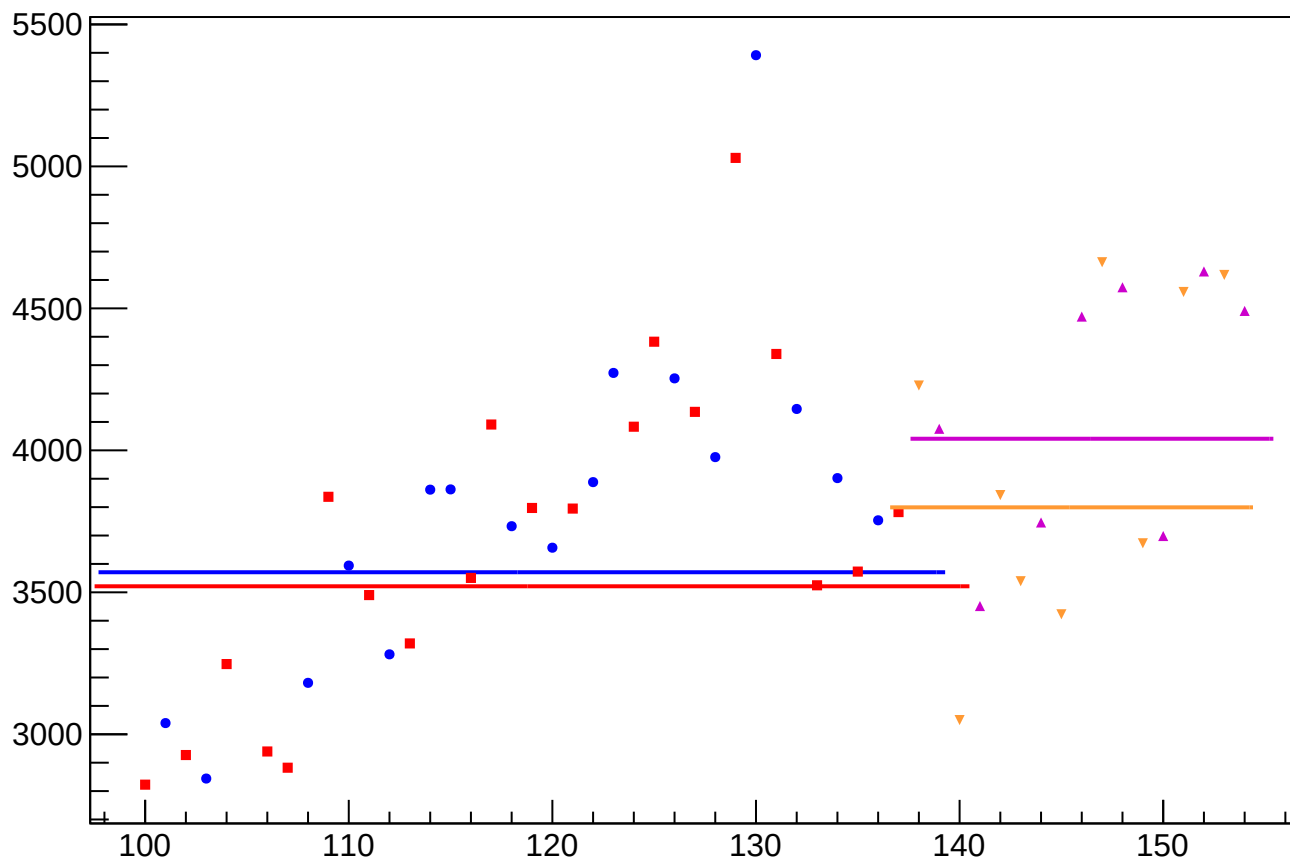
Left In: 2.700 ± 1.595 χ^2/NDF : 14.6/7

-0.395 ± 1.024 χ^2/NDF : 28.9/25

1.328 ± 0.723 χ^2/NDF : 65.3/53

3.045 ± 1.022 χ^2/NDF : 30.7/27

diff_bpm16Y_rms vs Slug, Sign Corrected



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

Left Out: 3799.249 $\pm$ 1.065 χ^2/NDF :283353.5/8

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

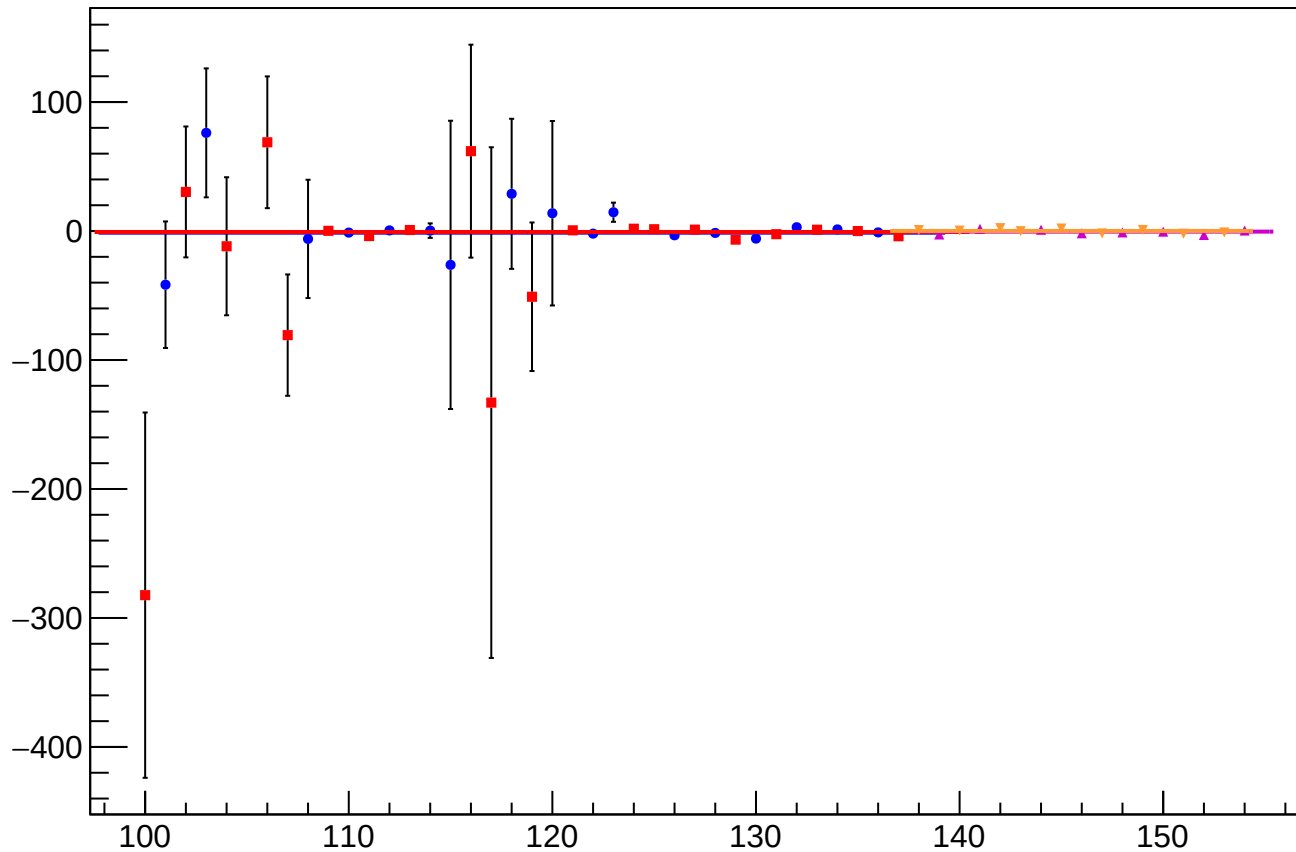
Left In: 4040.853 $\pm$ 1.128 χ^2/NDF :154738.9/7

3676.202 $\pm$ 0.724 χ^2/NDF : 617692.9/25

3705.330 $\pm$ 0.511 χ^2/NDF : 1195752.7/53

3734.335 $\pm$ 0.722 χ^2/NDF : 574828.5/27

diff_bpm1p02bX_mean vs Slug, Sign Corrected



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

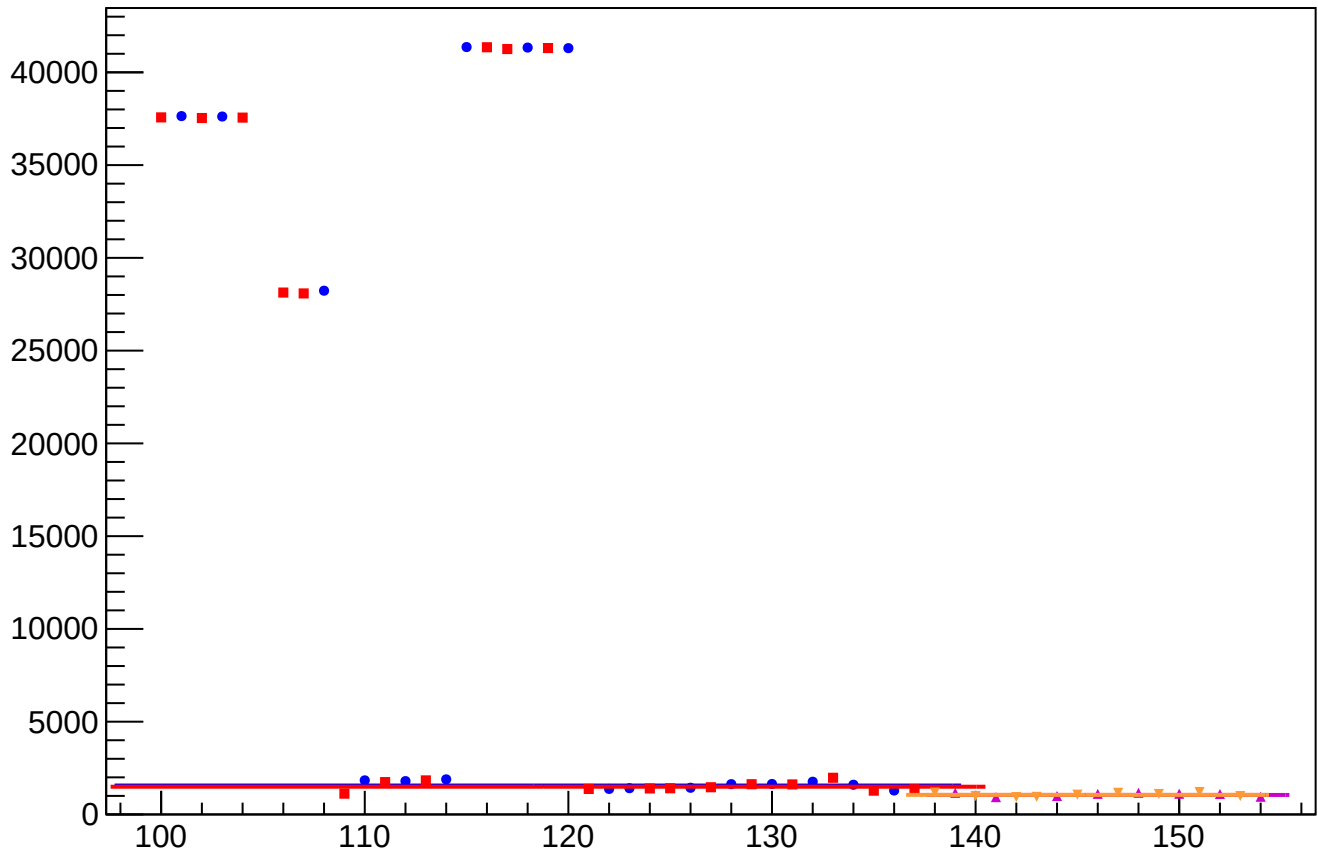
Left In: -0.450 ± 0.414 χ^2/NDF : 15.1/7

-0.249 ± 0.362 χ^2/NDF : 30.0/25

-0.387 ± 0.254 χ^2/NDF : 68.0/53

-0.522 ± 0.357 χ^2/NDF : 37.8/27

diff_bpm1p02bX_rms vs Slug, Sign Corrected



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

Left Out: 1056.135 $\pm$ 0.293 χ^2/NDF : 105133.5/8

Right Out: 1495.131 $\pm$ 0.502 χ^2/NDF : 4973587.9/19

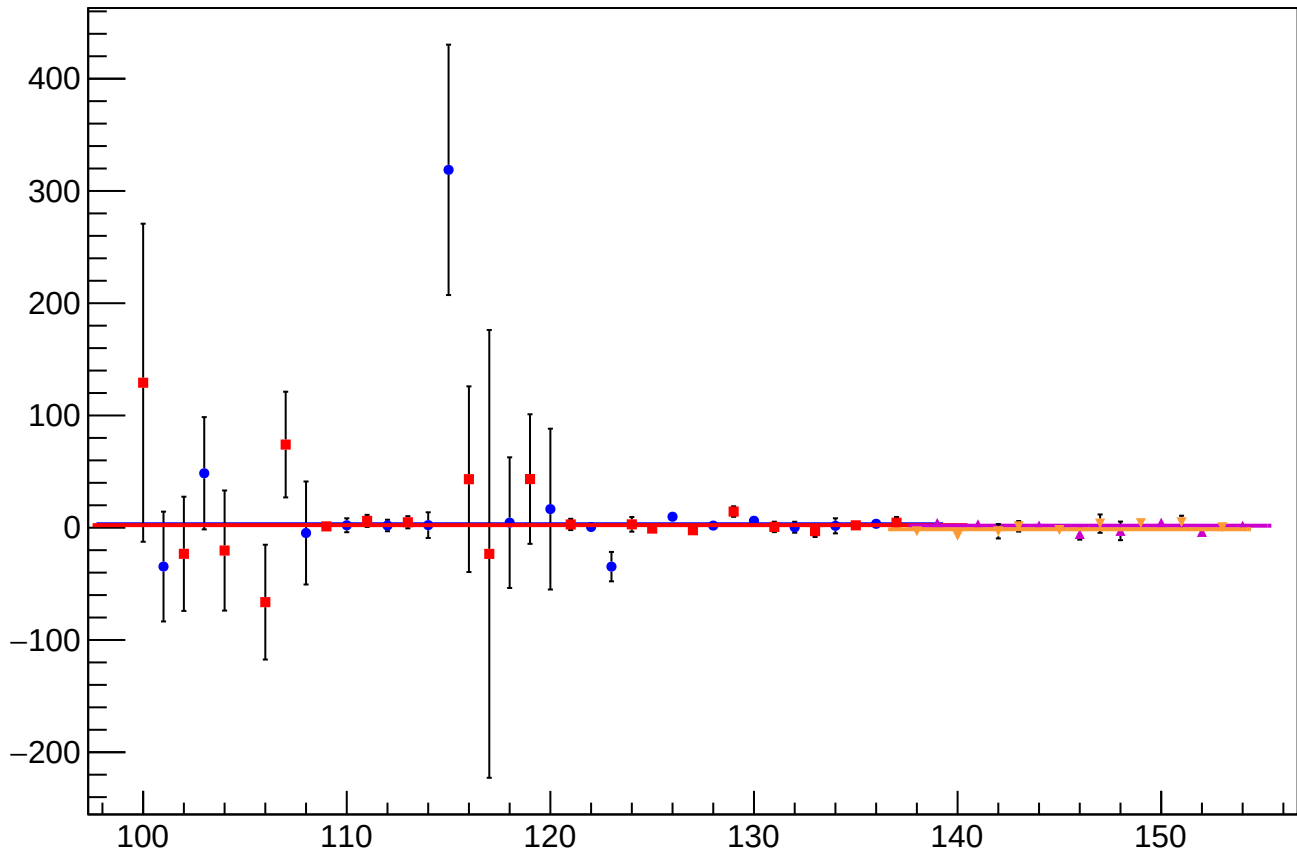
Left In: 1050.961 $\pm$ 0.292 χ^2/NDF : 93048.6/7

1174.259 $\pm$ 0.256 χ^2/NDF : 5550613.1/25

1168.766 $\pm$ 0.180 χ^2/NDF : 11202221.8/5

1163.425 $\pm$ 0.253 χ^2/NDF : 5650702.9/27

diff_bpm1p02bY_mean vs Slug, Sign Corrected



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

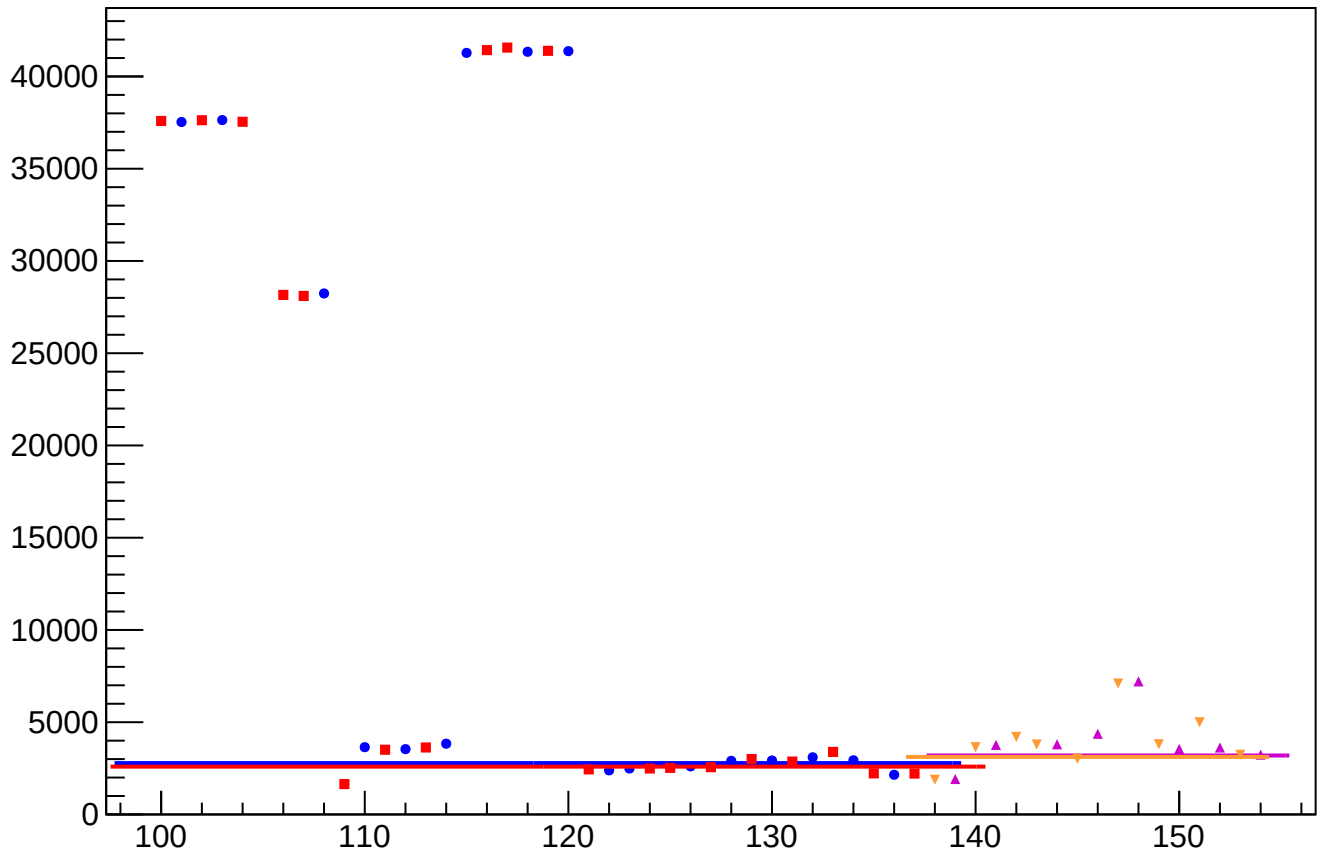
Left In: 1.813 ± 1.338 χ^2/NDF : 5.9/7

0.836 ± 0.933 χ^2/NDF : 33.9/25

1.475 ± 0.650 χ^2/NDF : 57.8/53

2.079 ± 0.907 χ^2/NDF : 22.9/27

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2783.989 ± 0.936 $\chi^2/\text{NDF}: 4577424.2/16$

Left Out: 3117.643 ± 0.930 $\chi^2/\text{NDF}: 1464368.6/8$

Right Out: 2592.654 ± 0.873 $\chi^2/\text{NDF}: 4923077.9/19$

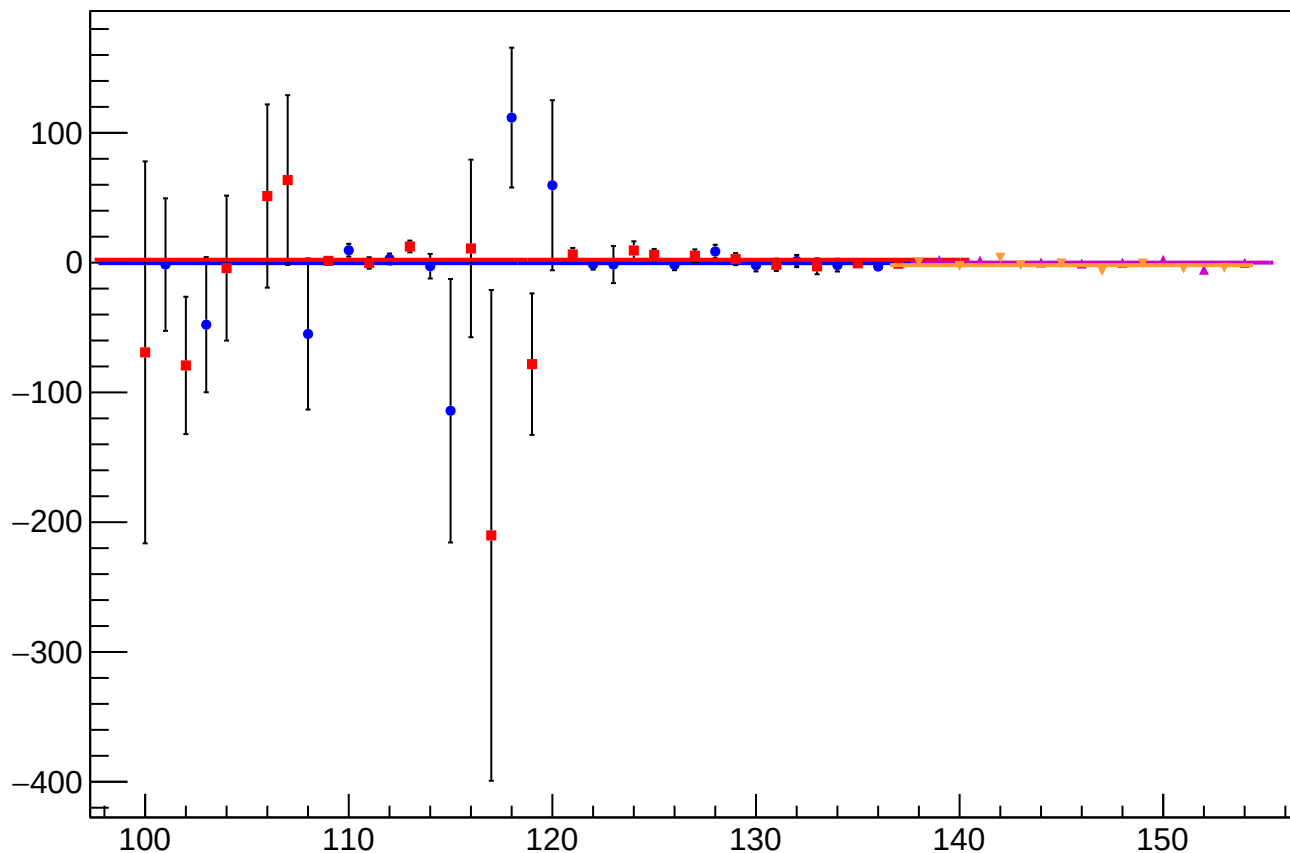
Left In: 3195.882 ± 0.946 $\chi^2/\text{NDF}: 1281297.1/7$

2951.742 ± 0.660 $\chi^2/\text{NDF}: 6105727.1/25$

2909.758 ± 0.460 $\chi^2/\text{NDF}: 12537585.7/5$

2870.061 ± 0.642 $\chi^2/\text{NDF}: 6423980.4/27$

diff_bpm1p03aX_mean vs Slug, Sign Corrected



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

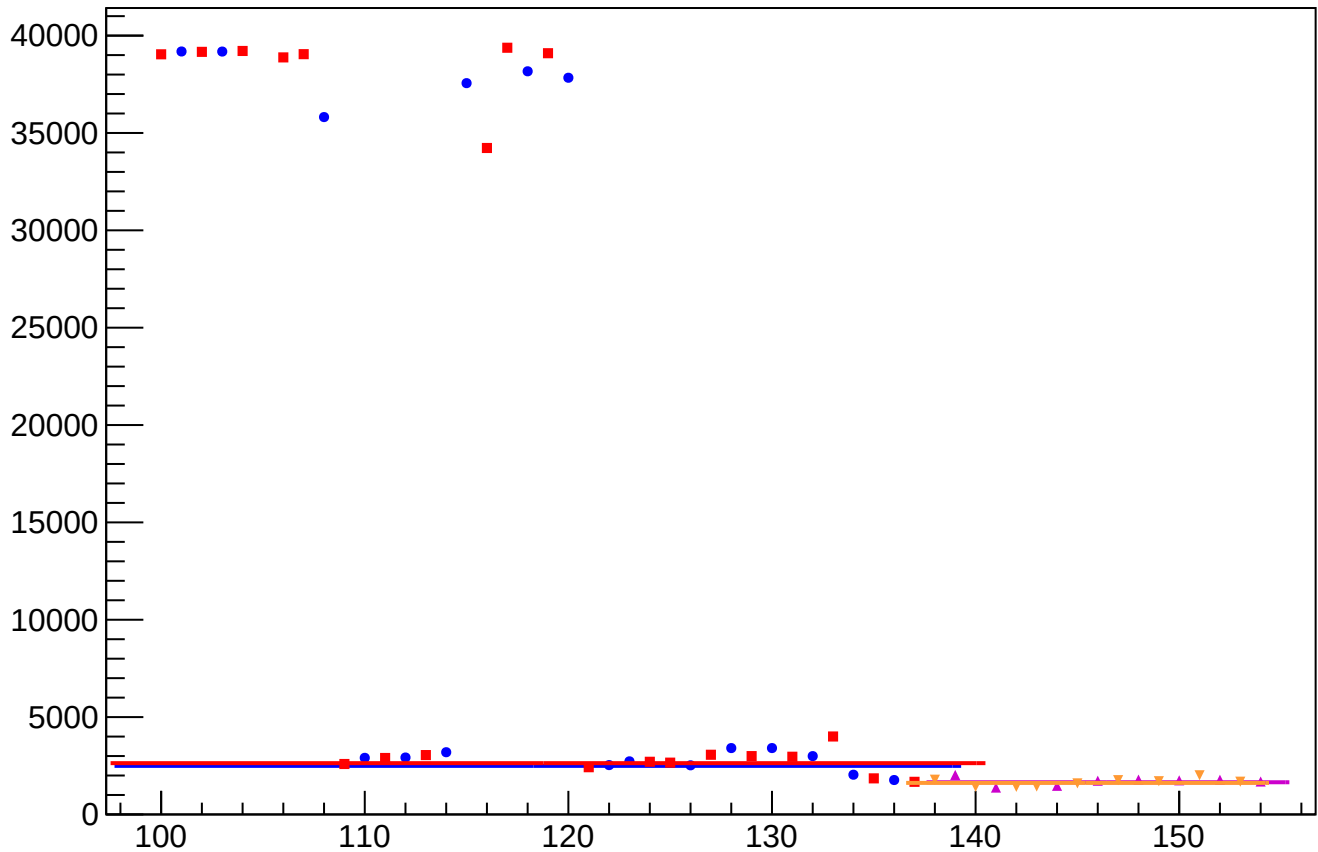
Left In: 0.011 ± 0.652 χ^2/NDF : 10.8/7

-1.612 ± 0.565 χ^2/NDF : 36.0/25

-0.585 ± 0.404 χ^2/NDF : 74.8/53

0.490 ± 0.578 χ^2/NDF : 32.0/27

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2495.603 $\pm$ 0.861 χ^2/NDF : 4882334.6/16

Left Out: 1621.110 $\pm$ 0.451 χ^2/NDF : 160912.1/8

Right Out: 2634.840 $\pm$ 0.881 χ^2/NDF : 4936039.0/19

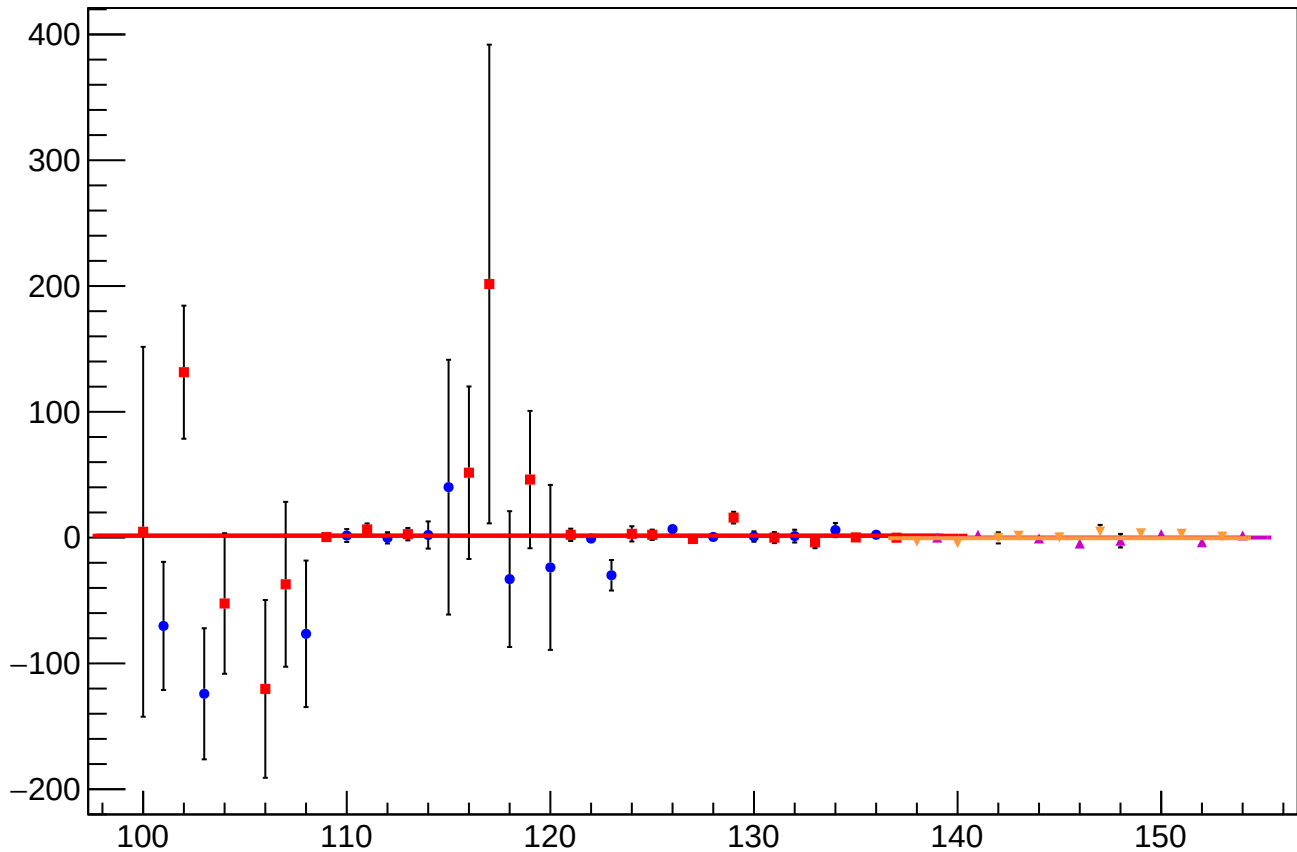
Left In: 1653.719 $\pm$ 0.461 χ^2/NDF : 166618.9/7

1809.436 $\pm$ 0.400 χ^2/NDF : 5852422.0/25

1836.525 $\pm$ 0.286 χ^2/NDF : 11937835.1/5

1864.856 $\pm$ 0.409 χ^2/NDF : 6076012.4/27

diff_bpm1p03aY_mean vs Slug, Sign Corrected



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

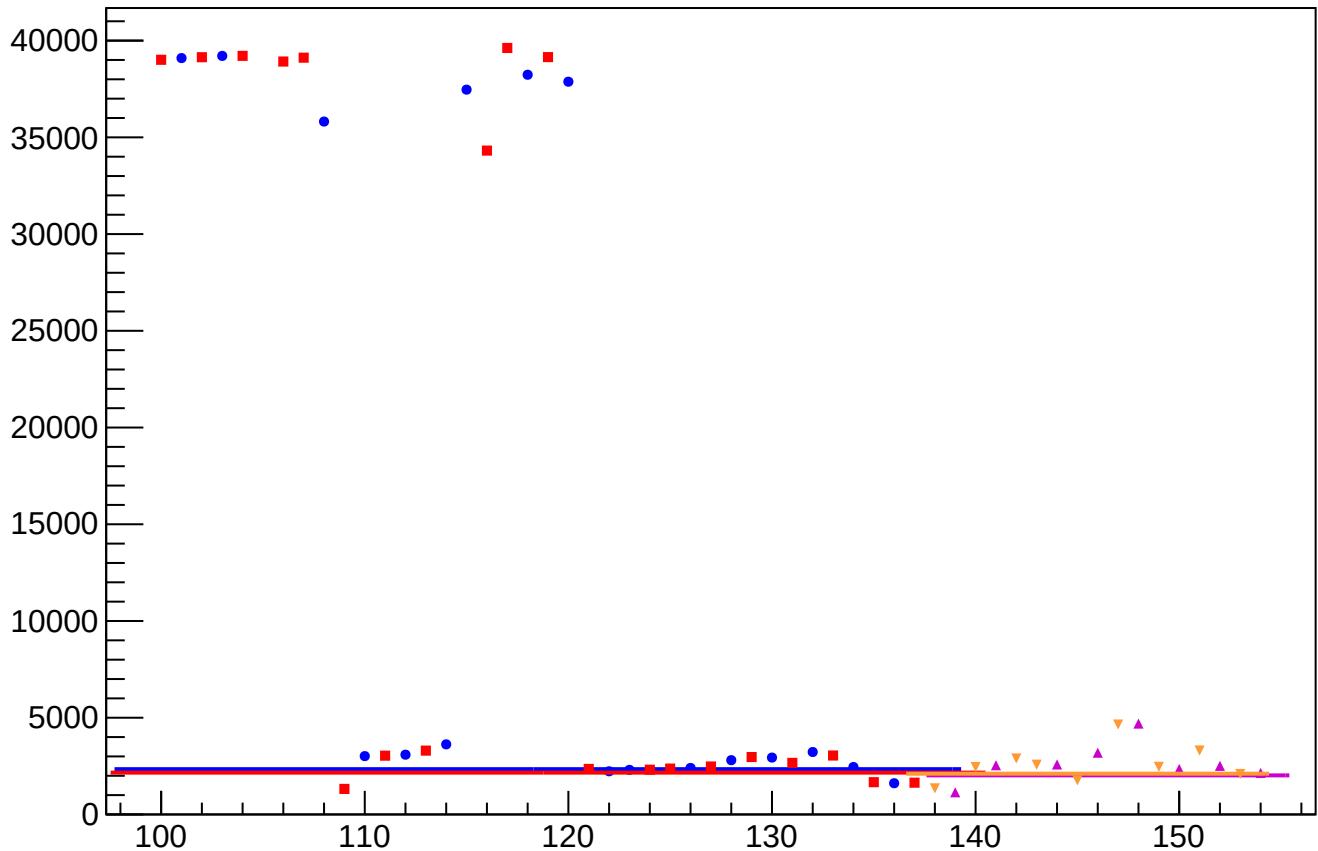
Left In: 0.069 ± 0.863 χ^2/NDF : 5.9/7

0.310 ± 0.704 χ^2/NDF : 31.4/25

0.488 ± 0.485 χ^2/NDF : 64.8/53

0.650 ± 0.670 χ^2/NDF : 33.2/27

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2341.130 ± 0.808 $\chi^2/\text{NDF}: 5006864.7/16$

Left Out: 2107.220 ± 0.631 $\chi^2/\text{NDF}: 1254608.1/8$

Right Out: 2162.329 ± 0.751 $\chi^2/\text{NDF}: 5376569.5/19$

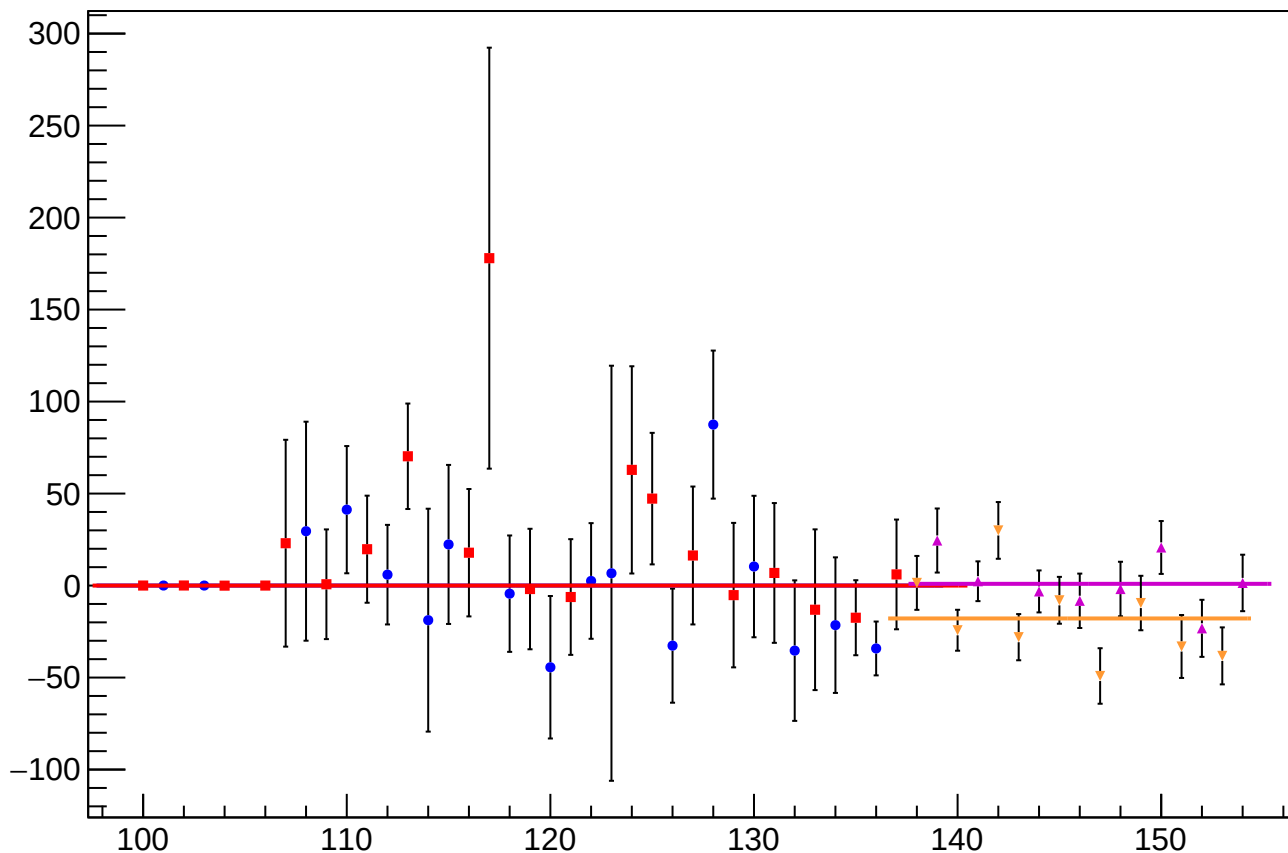
Left In: 2020.102 ± 0.610 $\chi^2/\text{NDF}: 1741828.1/7$

2195.852 ± 0.497 $\chi^2/\text{NDF}: 6313498.4/25$

2133.344 ± 0.343 $\chi^2/\text{NDF}: 13483592.6/5$

2076.676 ± 0.474 $\chi^2/\text{NDF}: 7139995.0/27$

diff_cav4bX_mean vs Slug, Sign Corrected



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

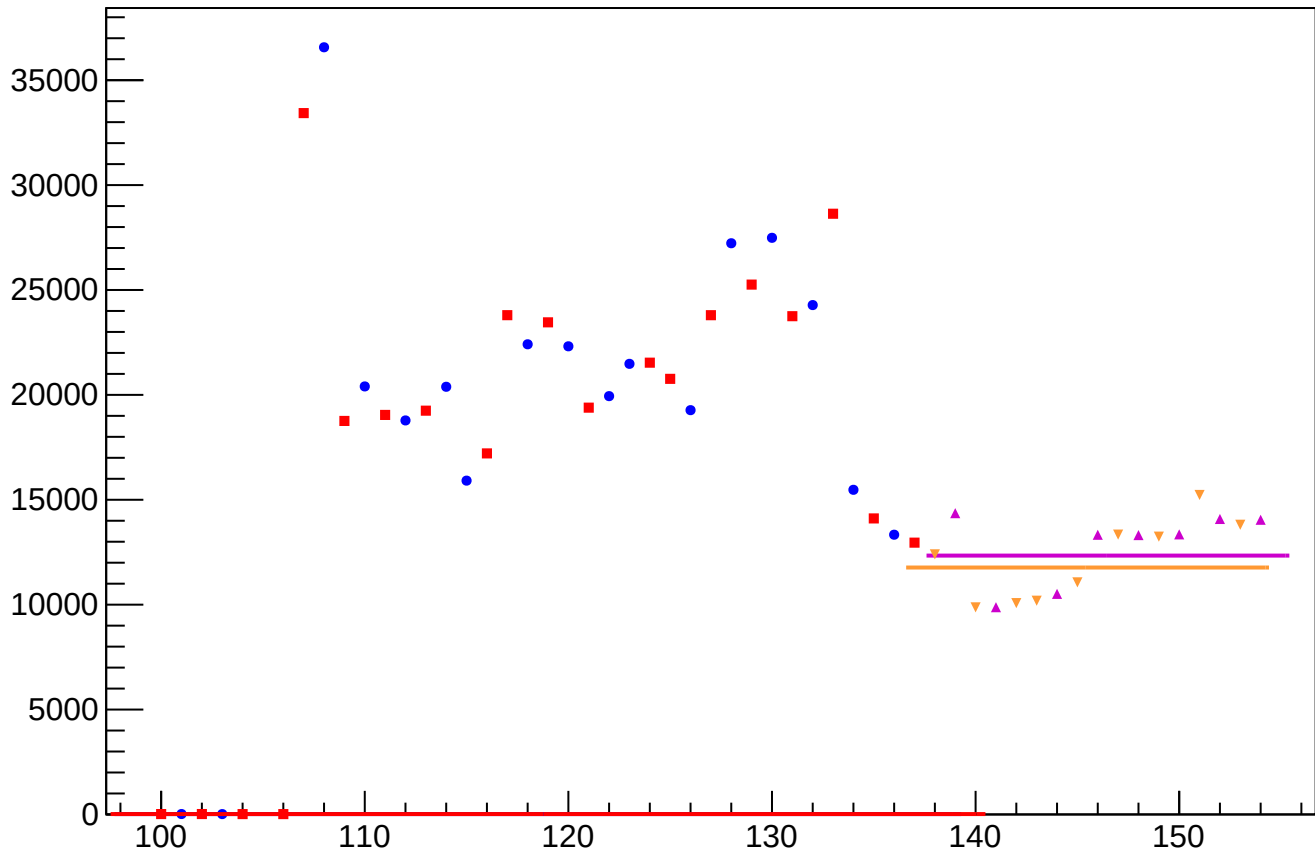
Left In: 0.942 ± 4.884 χ^2/NDF : 6.7/7

0.013 ± 0.017 χ^2/NDF : 51.0/25

0.004 ± 0.012 χ^2/NDF : 76.5/53

-0.003 ± 0.016 χ^2/NDF : 25.1/27

diff_cav4bX_rms vs Slug, Sign Corrected



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

Left Out: 11770.359 $\pm$ 3.297 χ^2/NDF : 281990.3/8

Right Out: 18.312 $\pm$ 0.011 χ^2/NDF : 11197081.8/19

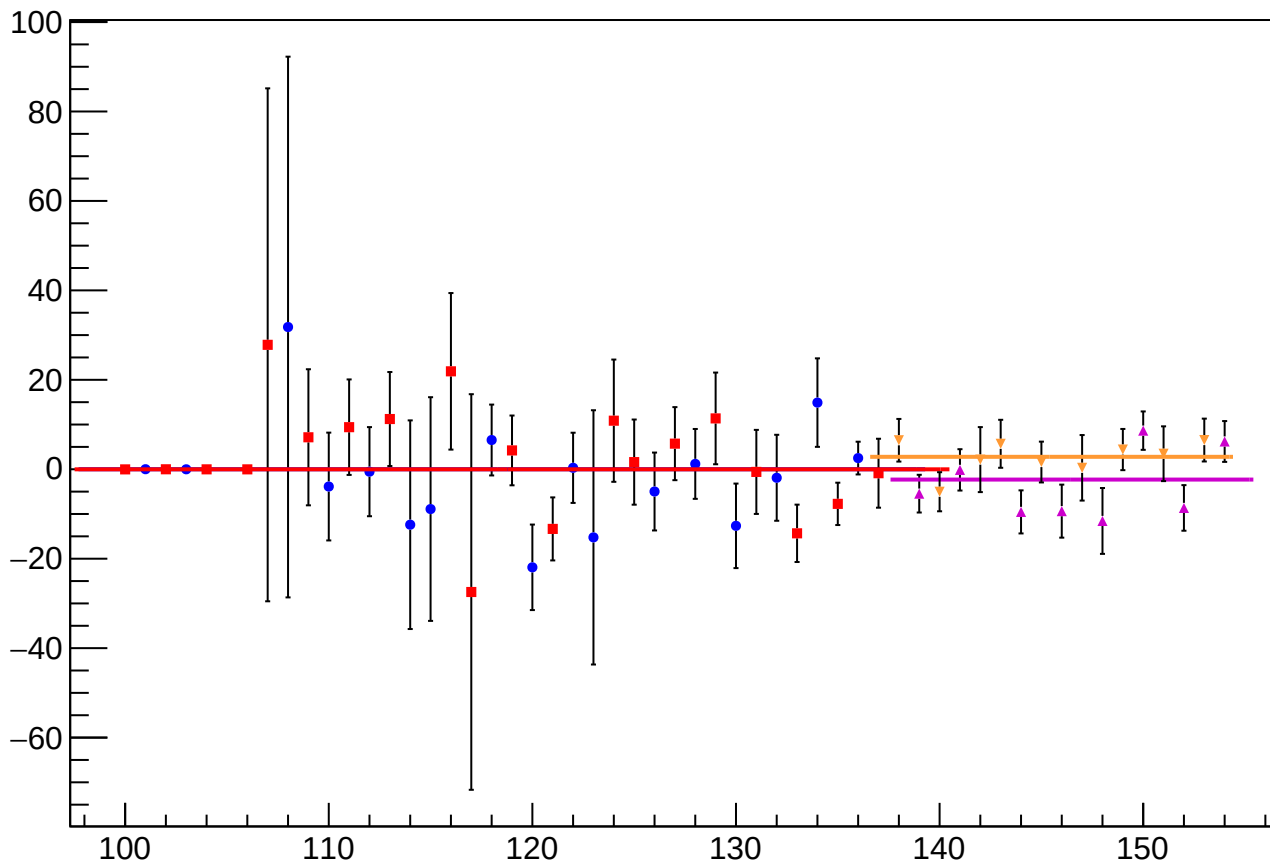
Left In: 12339.186 $\pm$ 3.453 χ^2/NDF : 259524.1/7

18.804 $\pm$ 0.012 χ^2/NDF : 23974115.2/25

18.611 $\pm$ 0.008 χ^2/NDF : 48160696.9/53

18.445 $\pm$ 0.011 χ^2/NDF : 24186121.0/27

diff_cav4bY_mean vs Slug, Sign Corrected



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

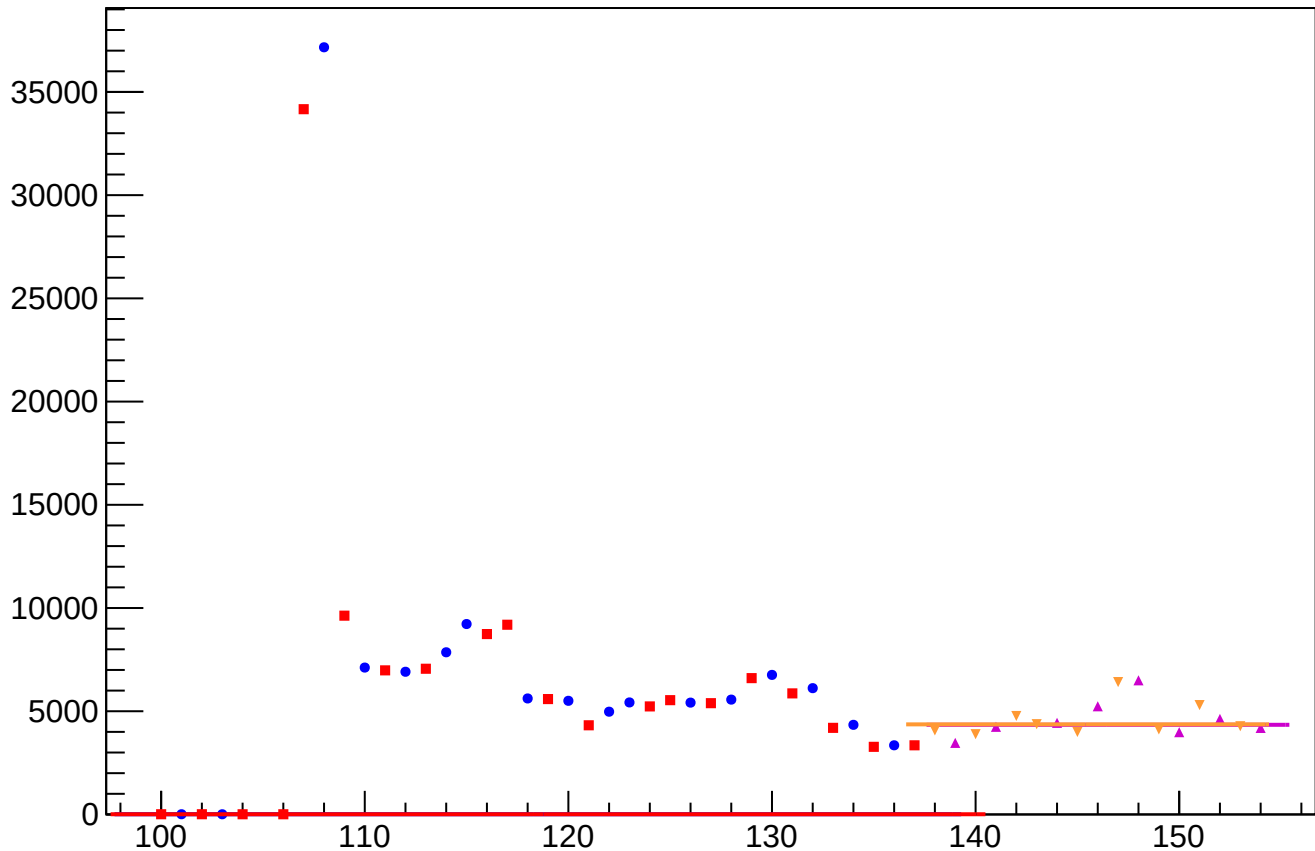
Left In: -2.305+/-1.731 χ^2/NDF : 17.6/7

0.001+/-0.009 χ^2/NDF : 20.6/25

-0.007+/-0.006 χ^2/NDF : 60.3/53

-0.014+/-0.009 χ^2/NDF : 38.3/27

diff_cav4bY_rms vs Slug, Sign Corrected



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

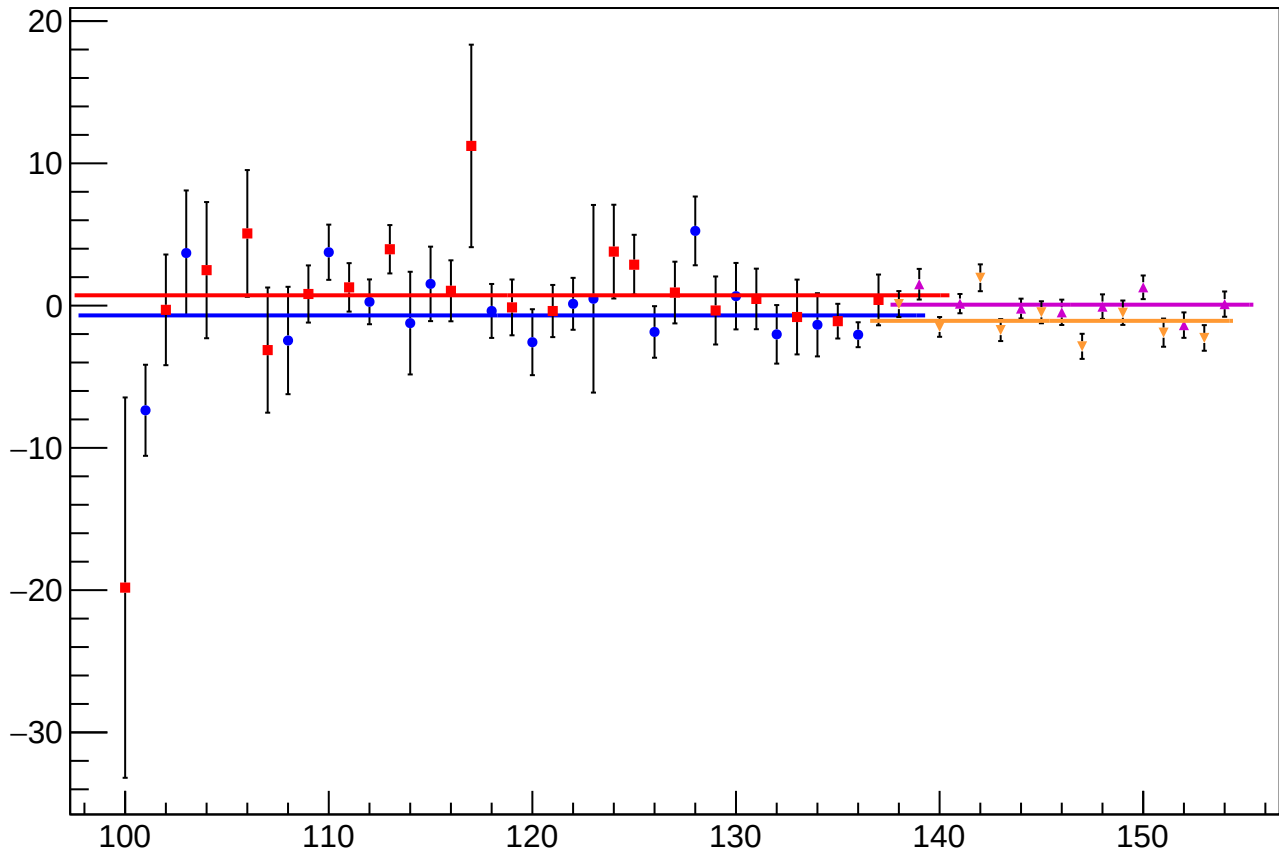
Left In: 4342.806 ± 1.224 χ^2/NDF : 327228.2/7

10.062 ± 0.007 χ^2/NDF : 24042081.1/25

10.010 ± 0.004 χ^2/NDF : 48150640.3/53

9.963 ± 0.006 χ^2/NDF : 24108435.7/27

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.689 ± 0.482 $\chi^2/\text{NDF}: 22.5/16$

Left Out: -1.071 ± 0.281 $\chi^2/\text{NDF}: 20.7/8$

Right Out: 0.724 ± 0.499 $\chi^2/\text{NDF}: 15.5/19$

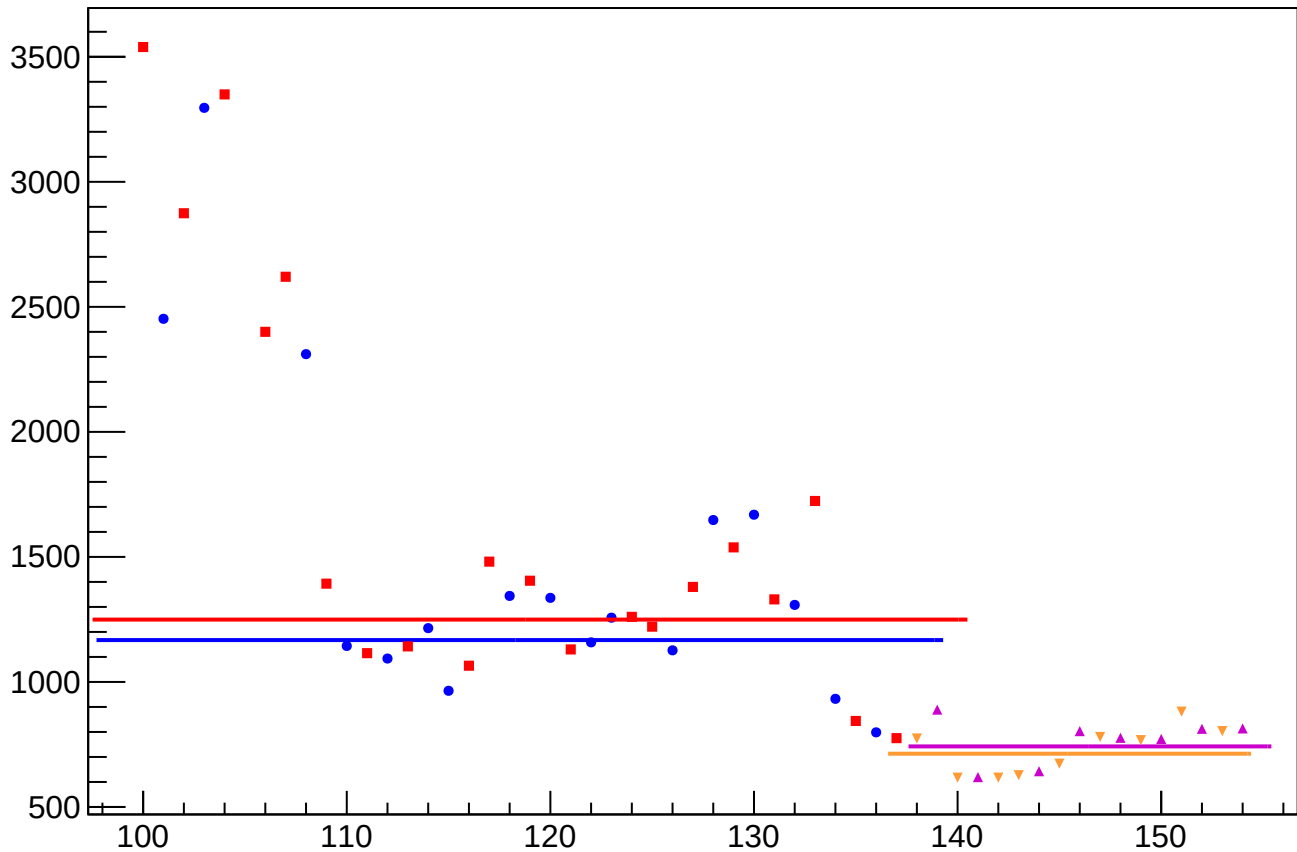
Left In: 0.065 ± 0.293 $\chi^2/\text{NDF}: 7.1/7$

-0.974 ± 0.243 $\chi^2/\text{NDF}: 43.7/25$

-0.394 ± 0.175 $\chi^2/\text{NDF}: 79.4/53$

0.234 ± 0.253 $\chi^2/\text{NDF}: 23.9/27$

diff_cav4cX_rms vs Slug, Sign Corrected



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

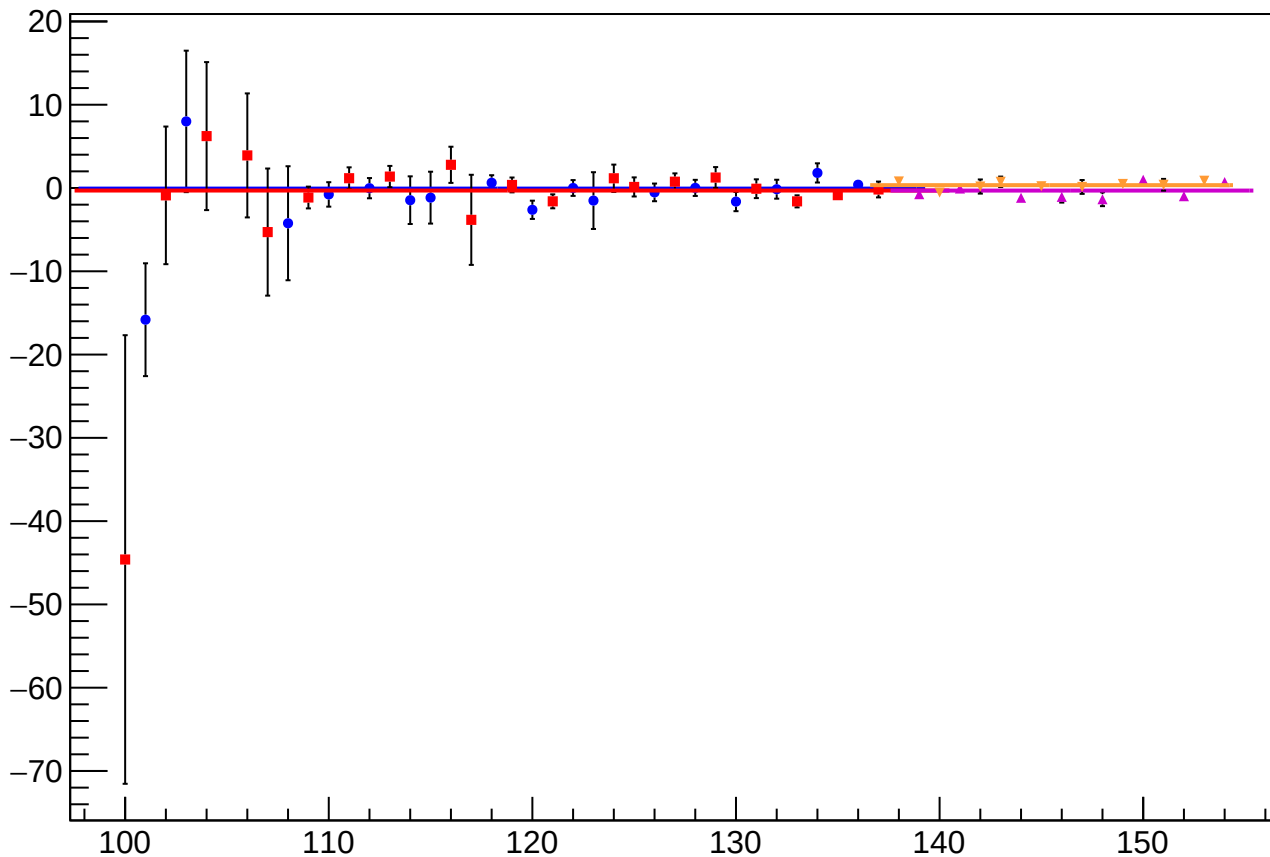
Left In: 742.222 $\pm$ 0.207 χ^2 /NDF: 184109.2/7

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

849.303 $\pm$ 0.124 χ^2 /NDF: 6504022.9/53

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

diff_cav4cY_mean vs Slug, Sign Corrected



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

Left Out: 0.342 ± 0.204 $\chi^2/\text{NDF}: 5.1/8$

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

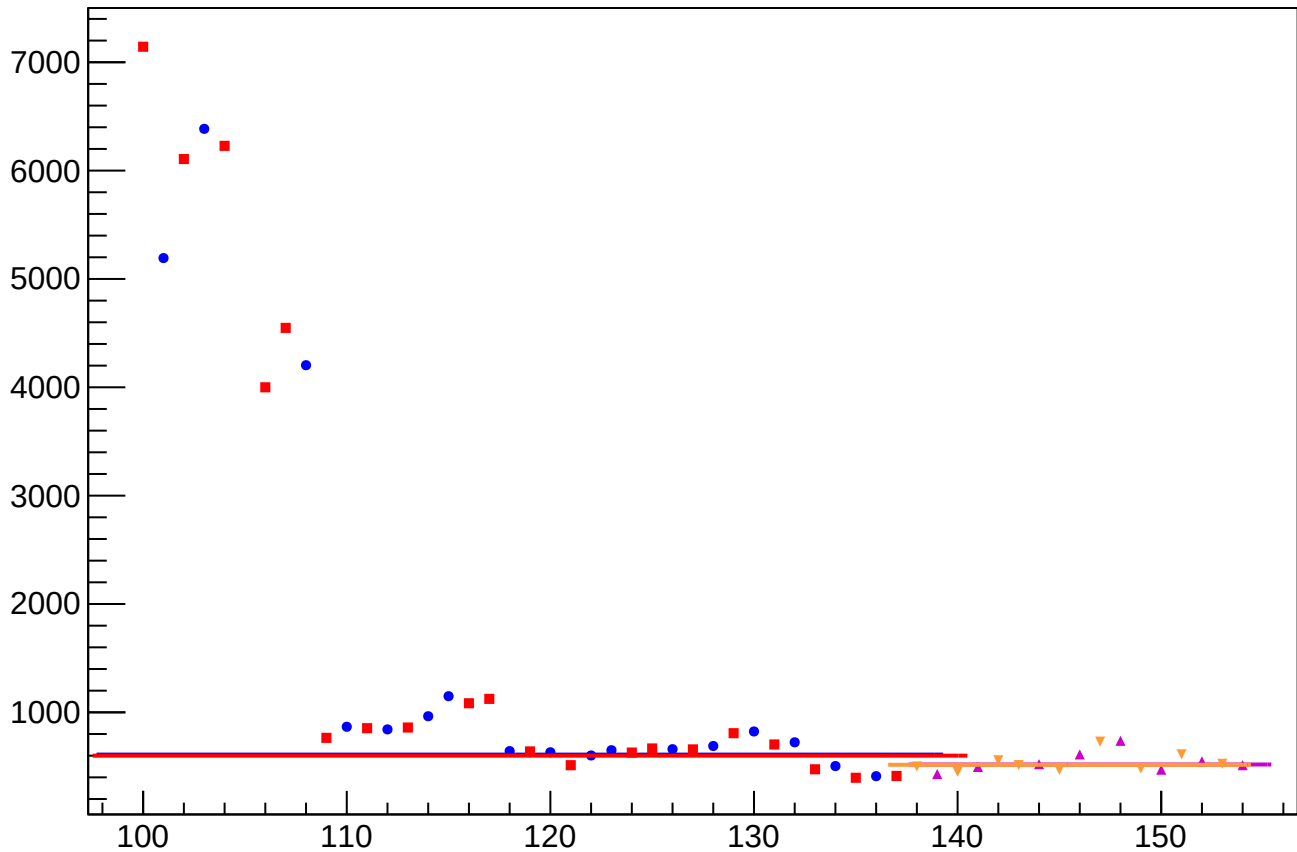
Left In: -0.309 ± 0.206 $\chi^2/\text{NDF}: 17.1/7$

0.190 ± 0.162 $\chi^2/\text{NDF}: 25.8/25$

-0.058 ± 0.115 $\chi^2/\text{NDF}: 68.2/53$

-0.306 ± 0.162 $\chi^2/\text{NDF}: 37.8/27$

diff_cav4cY_rms vs Slug, Sign Corrected



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

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

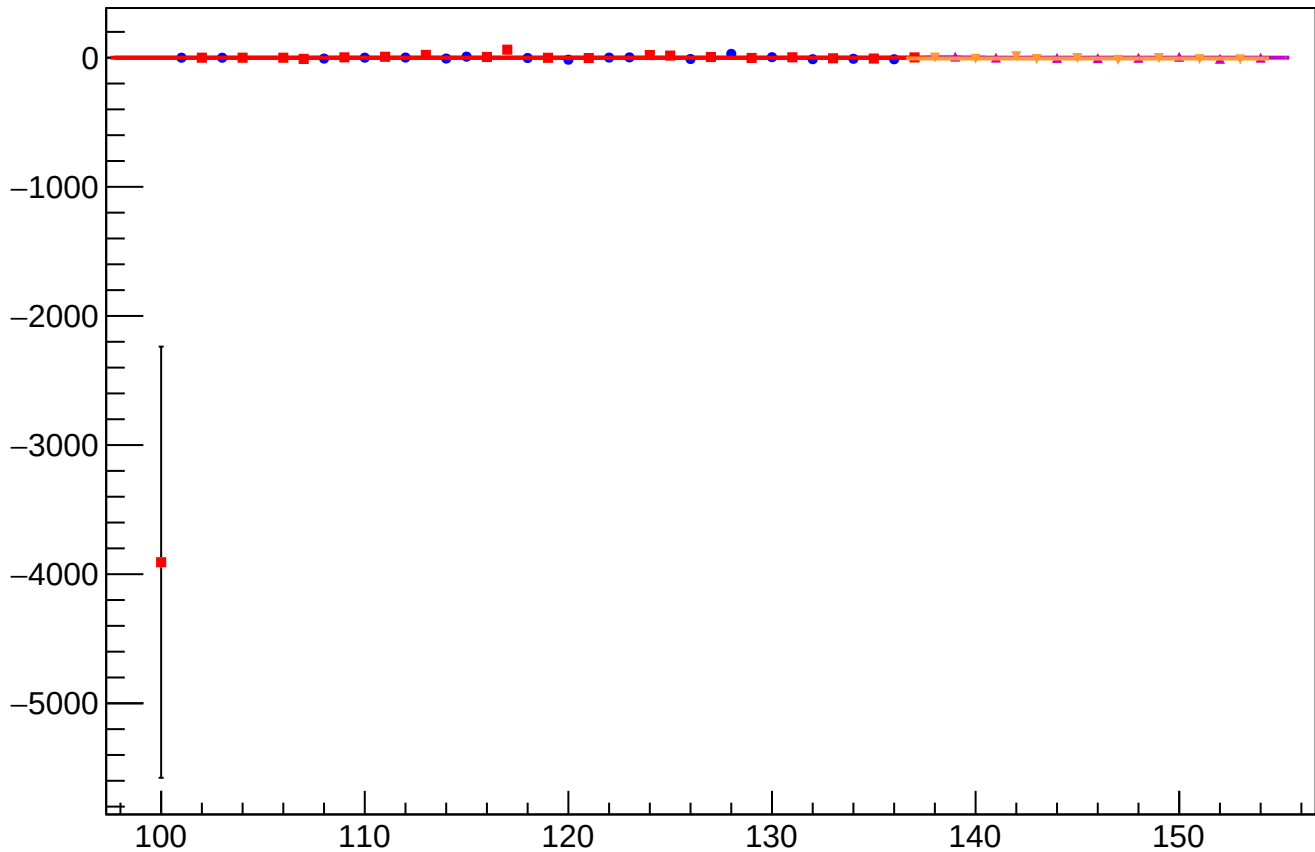
Left In: 518.563 $\pm$ 0.146 χ^2 /NDF: 256039.9/7

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

549.889 $\pm$ 0.081 χ^2 /NDF: 7470151.4/53

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

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 15.6/16

Left Out: -6.179 $\pm$ 1.633 χ^2 /NDF: 20.8/8

Right Out: 0.027 $\pm$ 0.020 χ^2 /NDF: 20.5/19

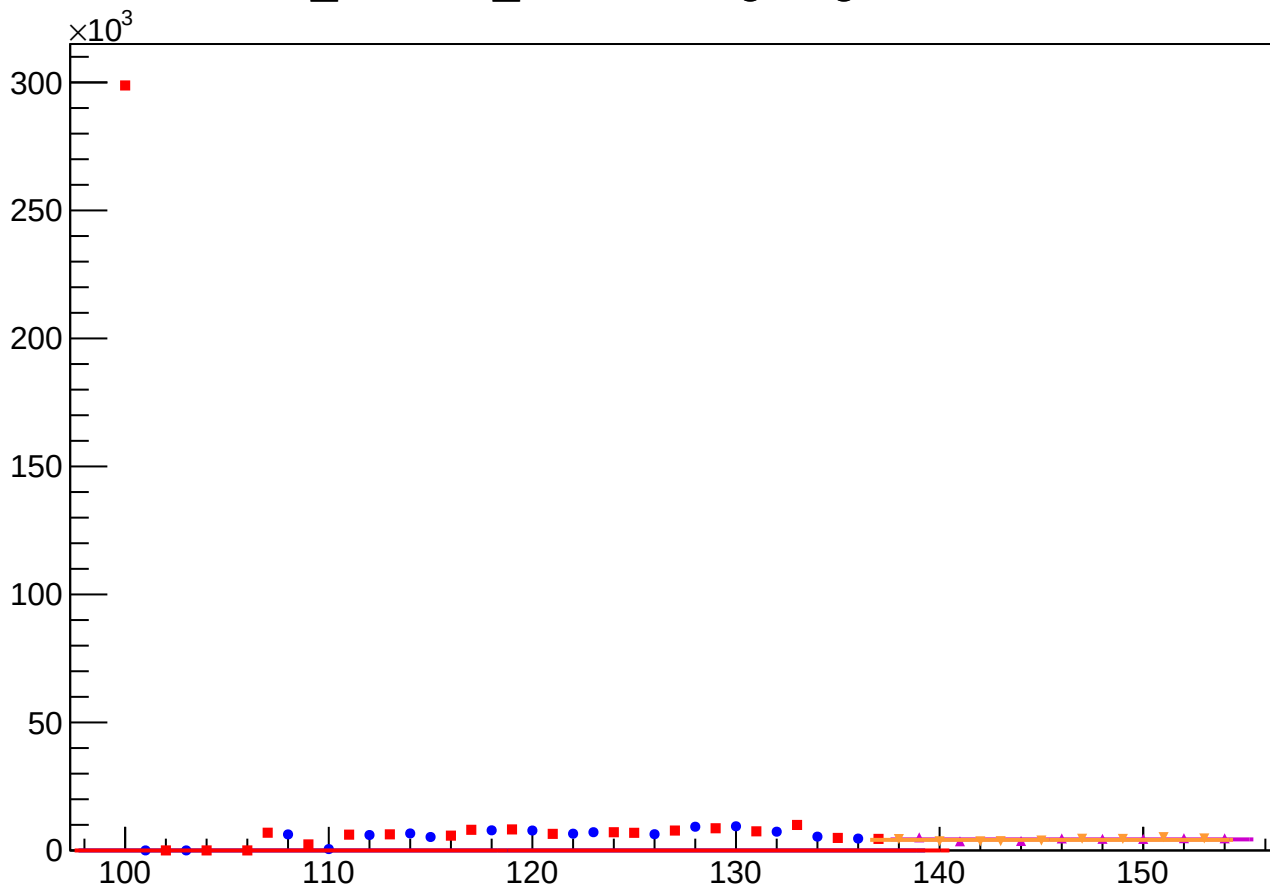
Left In: 0.380 $\pm$ 1.705 χ^2 /NDF: 7.0/7

-0.023 $\pm$ 0.021 χ^2 /NDF: 50.7/25

0.003 $\pm$ 0.014 χ^2 /NDF: 81.2/53

0.027 $\pm$ 0.020 χ^2 /NDF: 27.5/27

diff_cav4dX_rms vs Slug, Sign Corrected



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

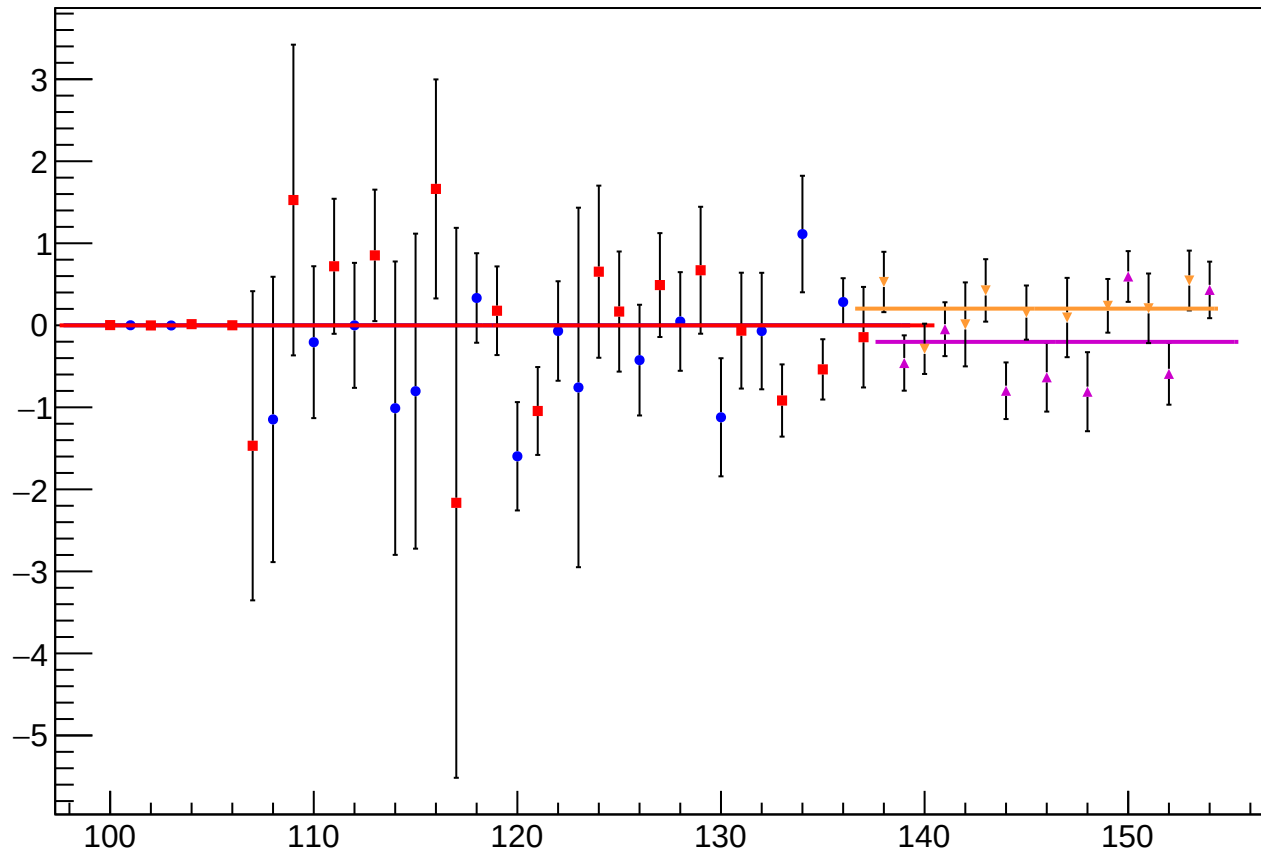
Left In: 4320.264+/-1.206 χ^2 /NDF:196454.3/7

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

17.925+/-0.010 χ^2 /NDF: 47271580.8/53

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

diff_cav4dY_mean vs Slug, Sign Corrected



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

Left Out: 0.203 $\pm$ 0.124 χ^2/NDF : 4.8/8

Right Out: -0.001 $\pm$ 0.002 χ^2/NDF : 18.3/19

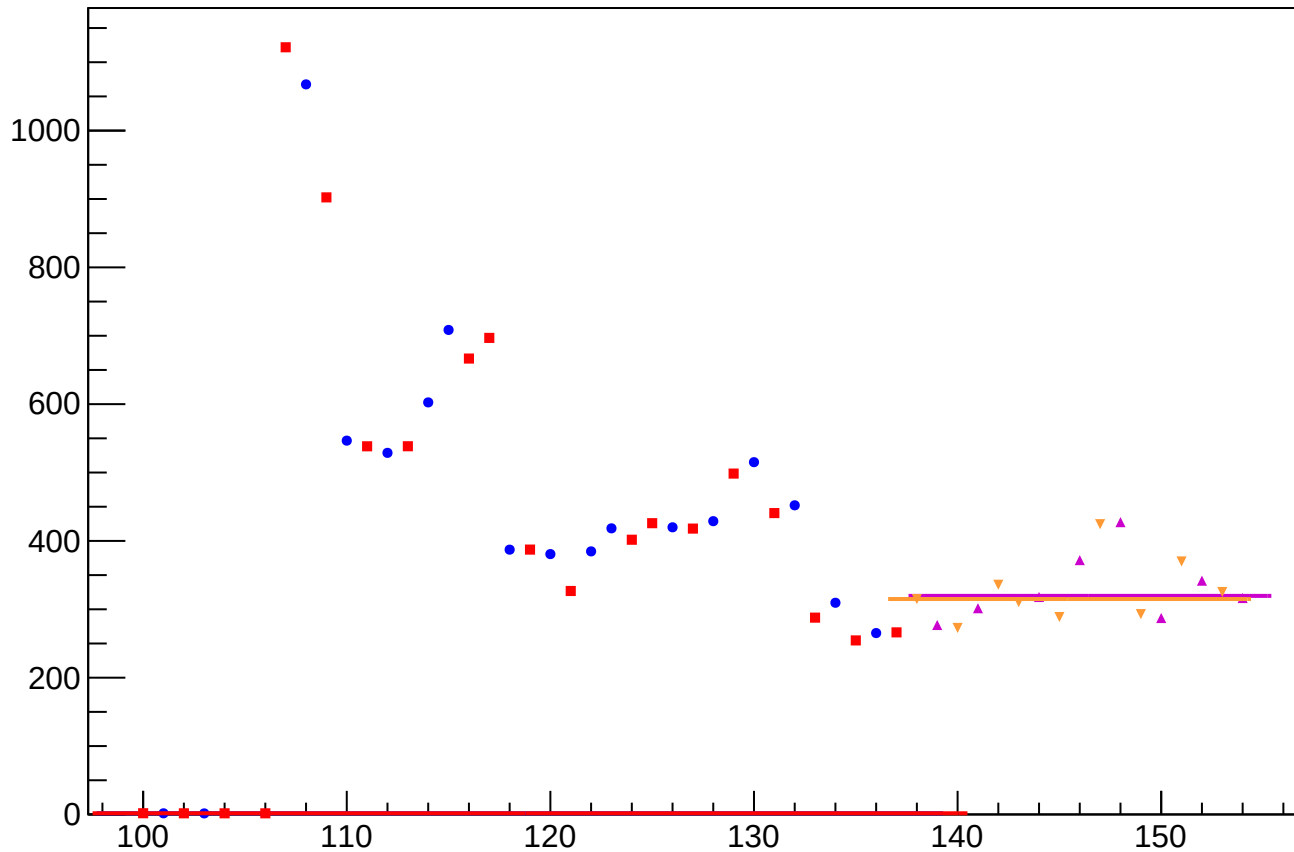
Left In: -0.202 $\pm$ 0.127 χ^2/NDF : 17.5/7

0.000 $\pm$ 0.002 χ^2/NDF : 21.2/25

-0.000 $\pm$ 0.001 χ^2/NDF : 59.8/53

-0.001 $\pm$ 0.002 χ^2/NDF : 38.4/27

diff_cav4dY_rms vs Slug, Sign Corrected



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

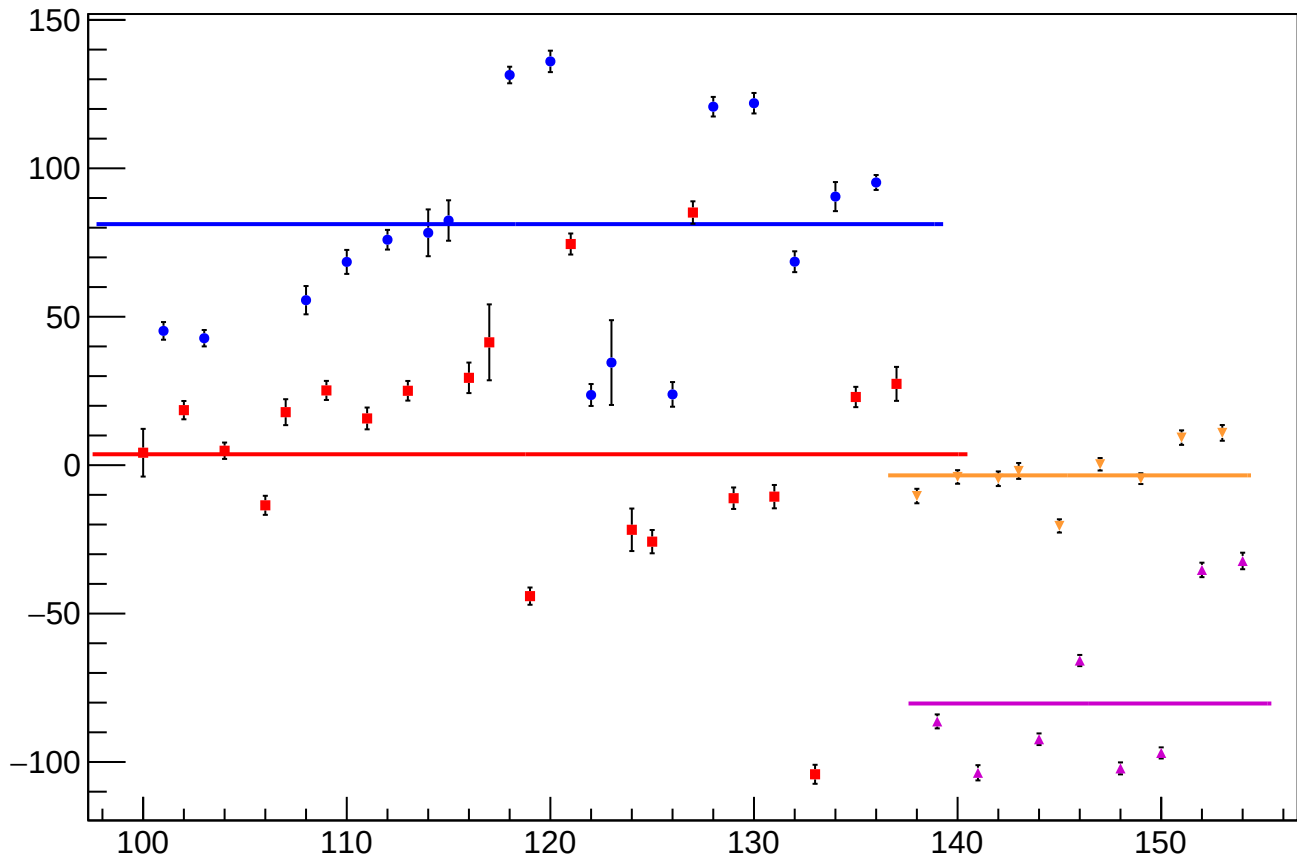
Left In: 319.627+/-0.089 χ^2/NDF : 198370.4/7

1.782+/-0.001 χ^2/NDF : 23936202.7/25

1.793+/-0.001 χ^2/NDF : 47579771.8/53

1.803+/-0.001 χ^2/NDF : 23643456.5/27

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 81.201+/-0.886 χ^2/NDF : 1709.8/16

Left Out: -3.439+/-0.767 χ^2/NDF : 126.3/8

Right Out: 3.672+/-0.841 χ^2/NDF : 2607.8/19

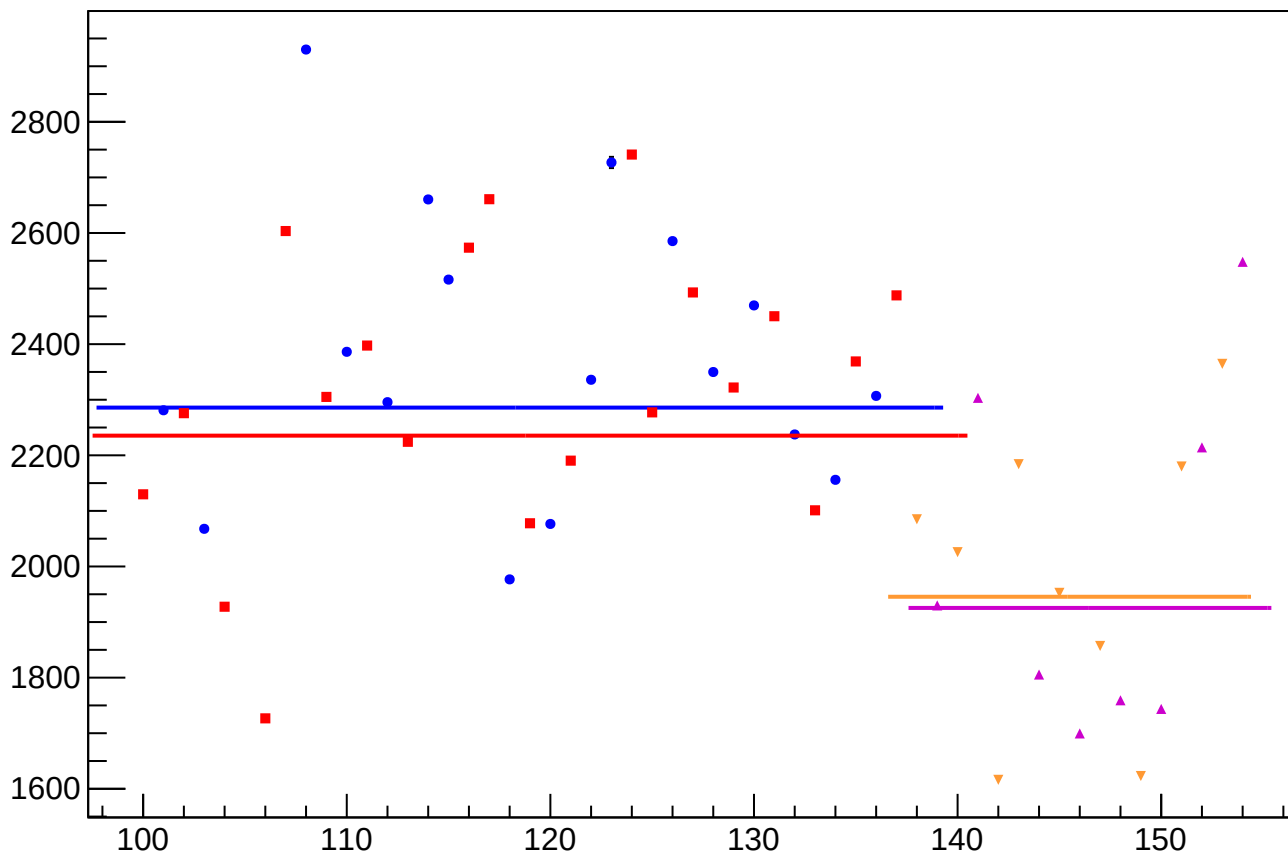
Left In: -80.293+/-0.767 χ^2/NDF : 1019.7/7

32.845+/-0.580 χ^2/NDF : 7053.6/25

-5.509+/-0.405 χ^2/NDF : 24675.5/53

-42.139+/-0.567 χ^2/NDF : 9069.8/27

diff_bpm0i01X_rms vs Slug, Sign Corrected



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

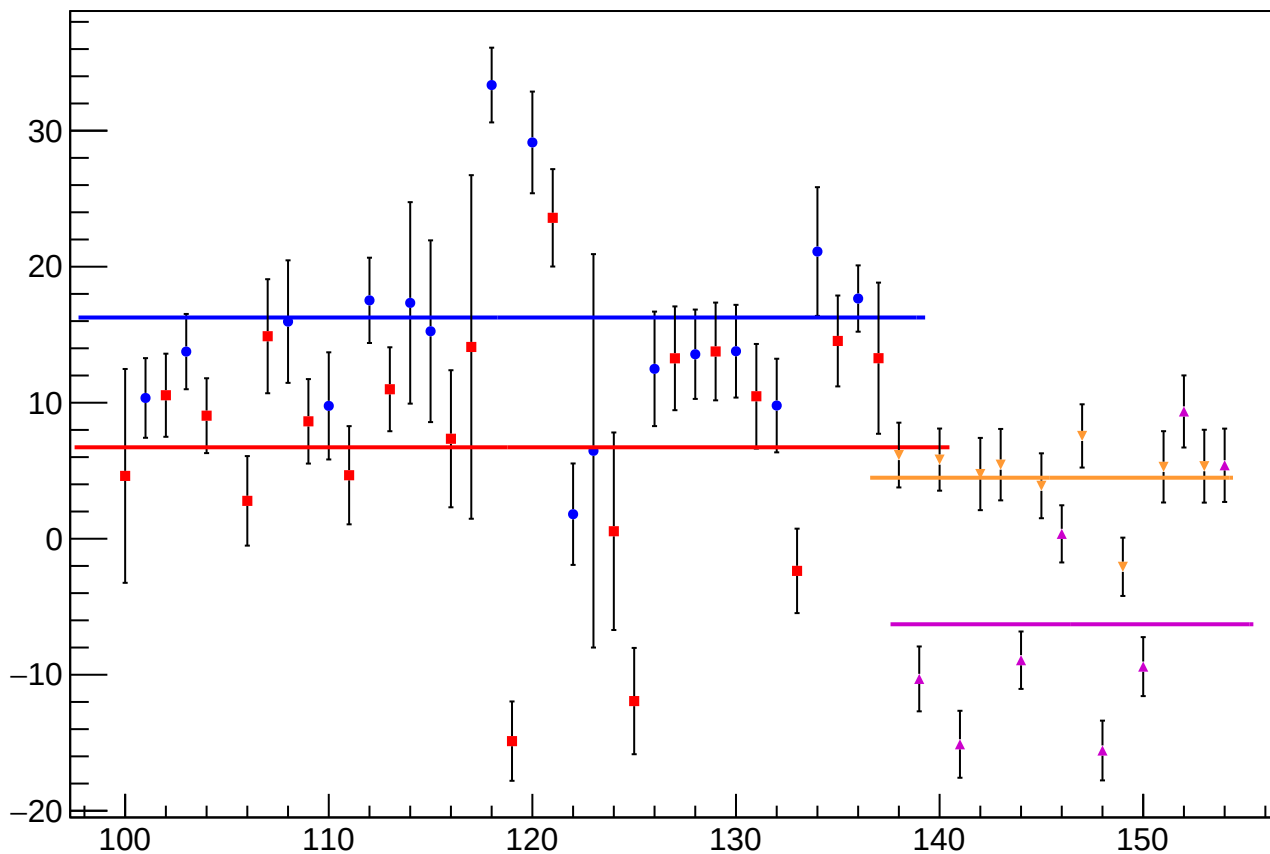
Left In: 1925.410 +/- 0.543 χ^2/NDF : 239869.3/7

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

2078.552 +/- 0.287 χ^2/NDF : 1012479.9/53

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

diff_bpm0i01Y_mean vs Slug, Sign Corrected



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

Left Out: 4.486 $\pm$ 0.812 χ^2 /NDF: 12.3/8

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

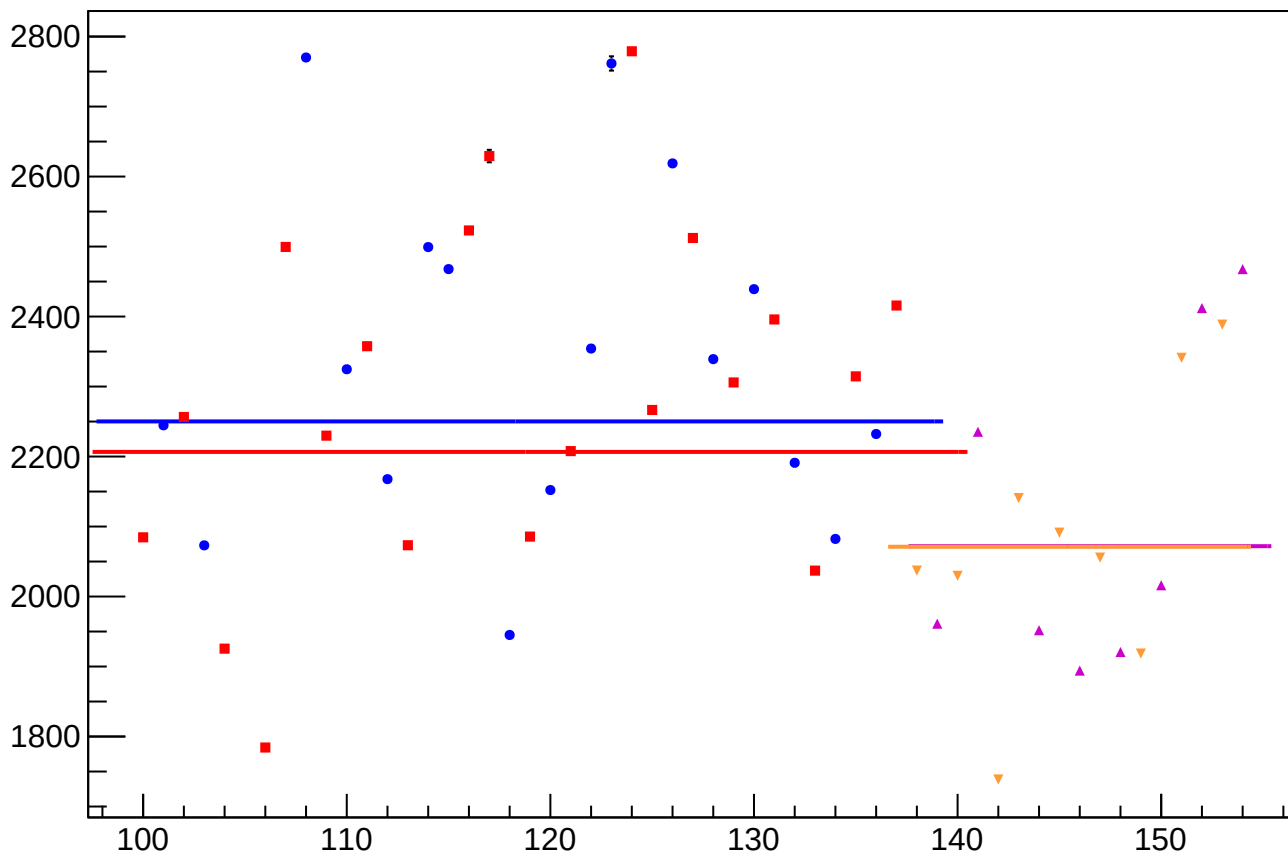
Left In: -6.289 $\pm$ 0.819 χ^2 /NDF: 100.8/7

9.957 $\pm$ 0.594 χ^2 /NDF: 191.0/25

4.952 $\pm$ 0.416 χ^2 /NDF: 690.1/53

0.137 $\pm$ 0.583 χ^2 /NDF: 359.8/27

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2250.175 ± 0.616 $\chi^2/\text{NDF}: 97578.1/16$

Left Out: 2071.121 ± 0.574 $\chi^2/\text{NDF}: 93459.9/8$

Right Out: 2206.617 ± 0.586 $\chi^2/\text{NDF}: 128476.5/19$

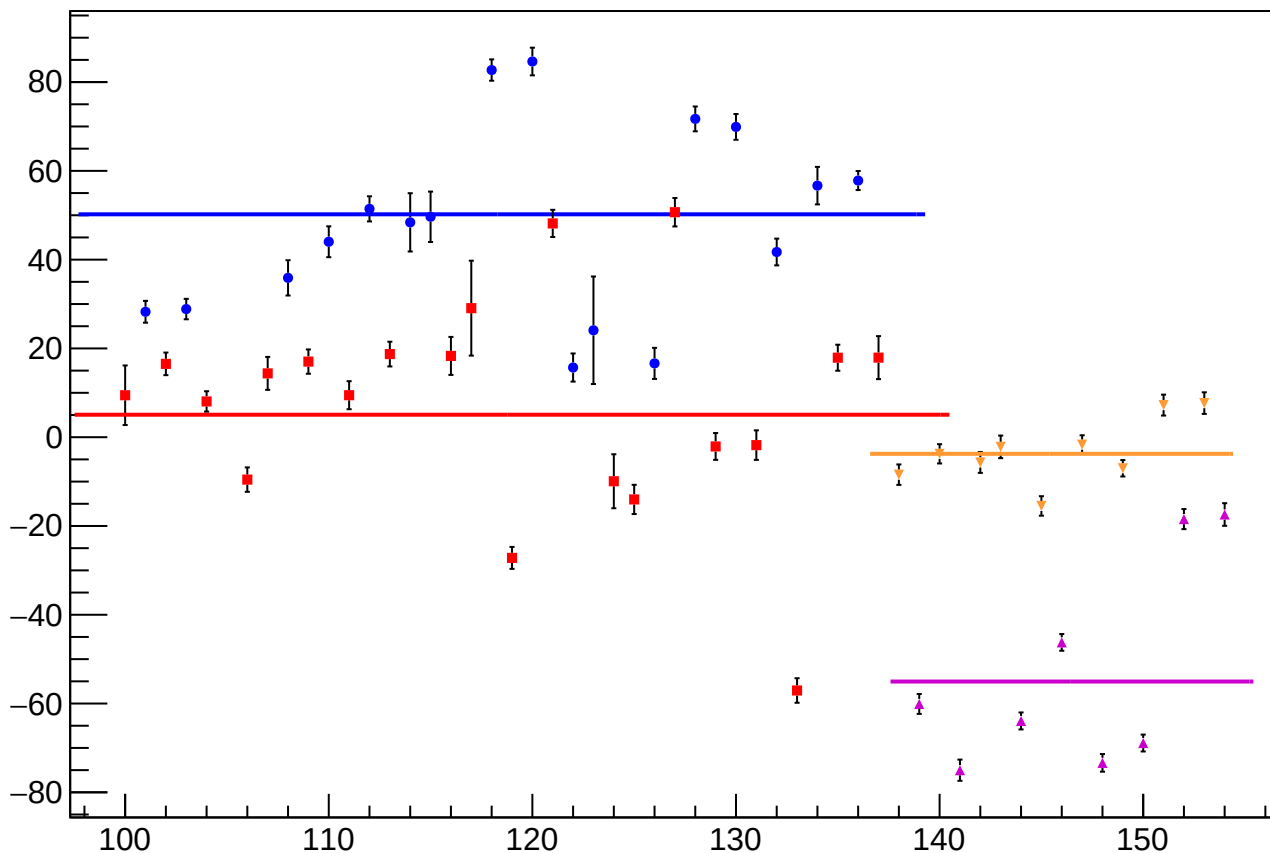
Left In: 2071.949 ± 0.579 $\chi^2/\text{NDF}: 120759.2/7$

2154.289 ± 0.420 $\chi^2/\text{NDF}: 236247.0/25$

2146.220 ± 0.294 $\chi^2/\text{NDF}: 512922.0/53$

2138.457 ± 0.412 $\chi^2/\text{NDF}: 275950.7/27$

diff_bpm0i01aX_mean vs Slug, Sign Corrected



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

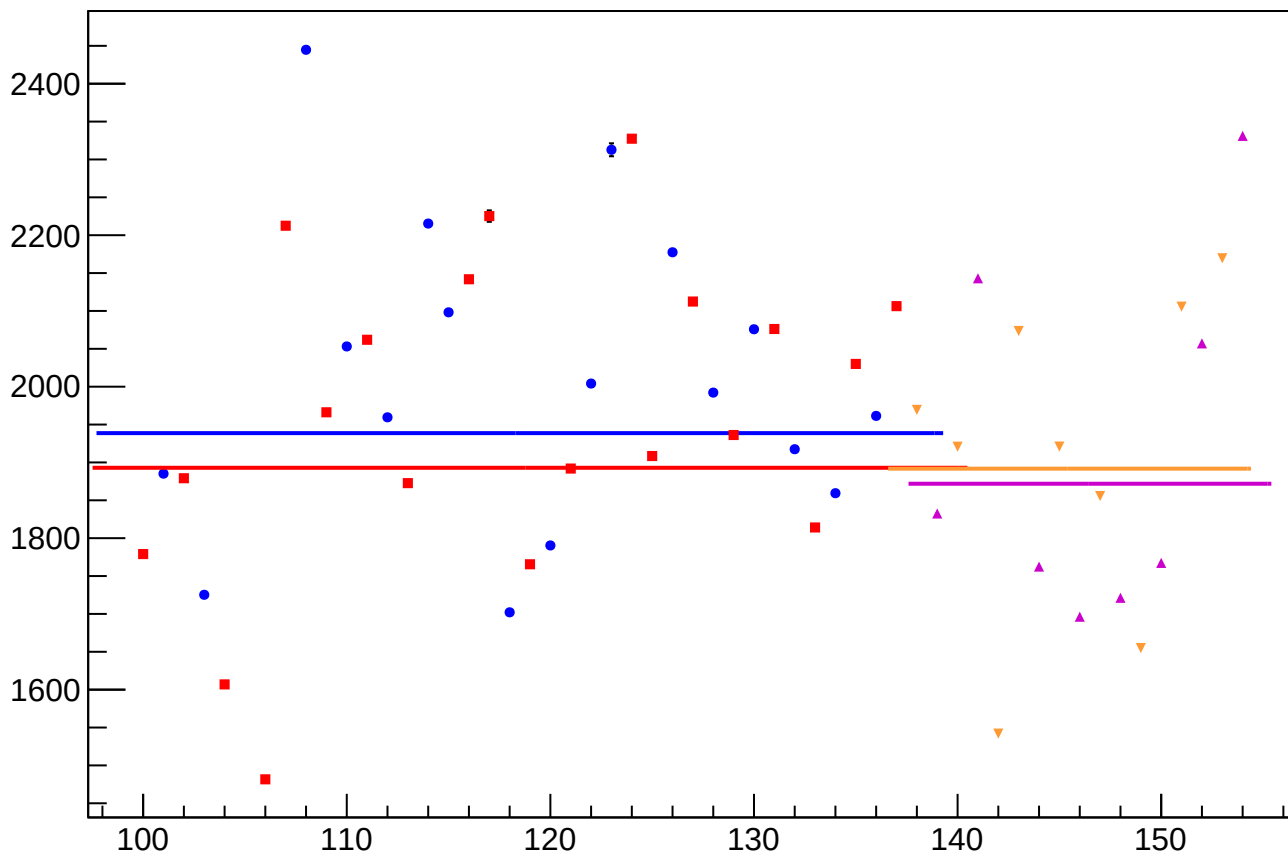
Left In: -55.043+/-0.743 χ^2/NDF : 736.7/7

22.965+/-0.528 χ^2/NDF : 3520.6/25

-1.004+/-0.368 χ^2/NDF : 12946.3/53

-23.701+/-0.514 χ^2/NDF : 5416.8/27

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1938.688 +/- 0.531 χ^2/NDF : 100143.1/16

Left Out: 1891.774 +/- 0.526 χ^2/NDF : 133228.4/8

Right Out: 1892.946 +/- 0.503 χ^2/NDF : 148563.2/19

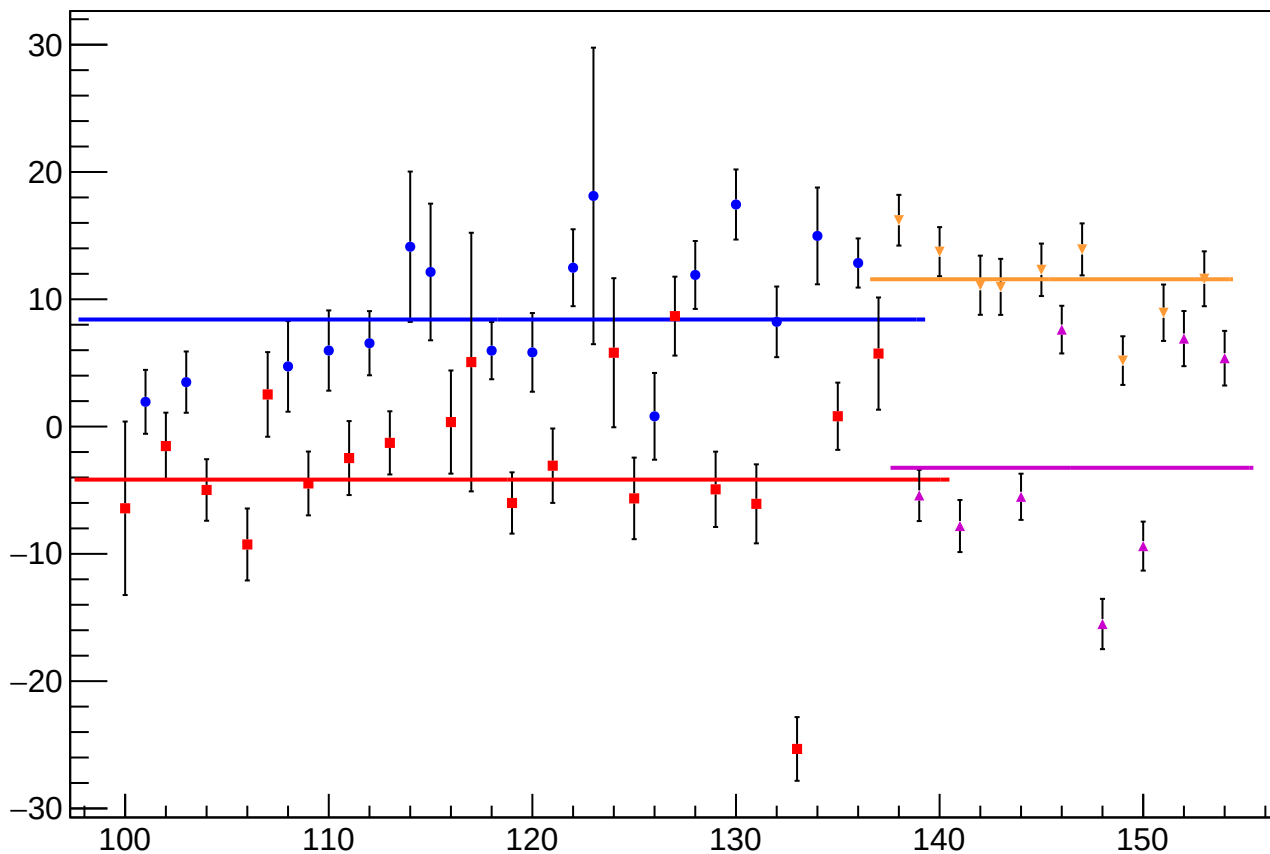
Left In: 1871.857 +/- 0.525 χ^2/NDF : 146370.6/7

1914.995 +/- 0.374 χ^2/NDF : 237315.4/25

1898.486 +/- 0.260 χ^2/NDF : 536893.2/53

1882.853 +/- 0.363 χ^2/NDF : 295774.0/27

diff_bpm0i01aY_mean vs Slug, Sign Corrected



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

Left Out: 11.573 ± 0.693 $\chi^2/\text{NDF}: 20.8/8$

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

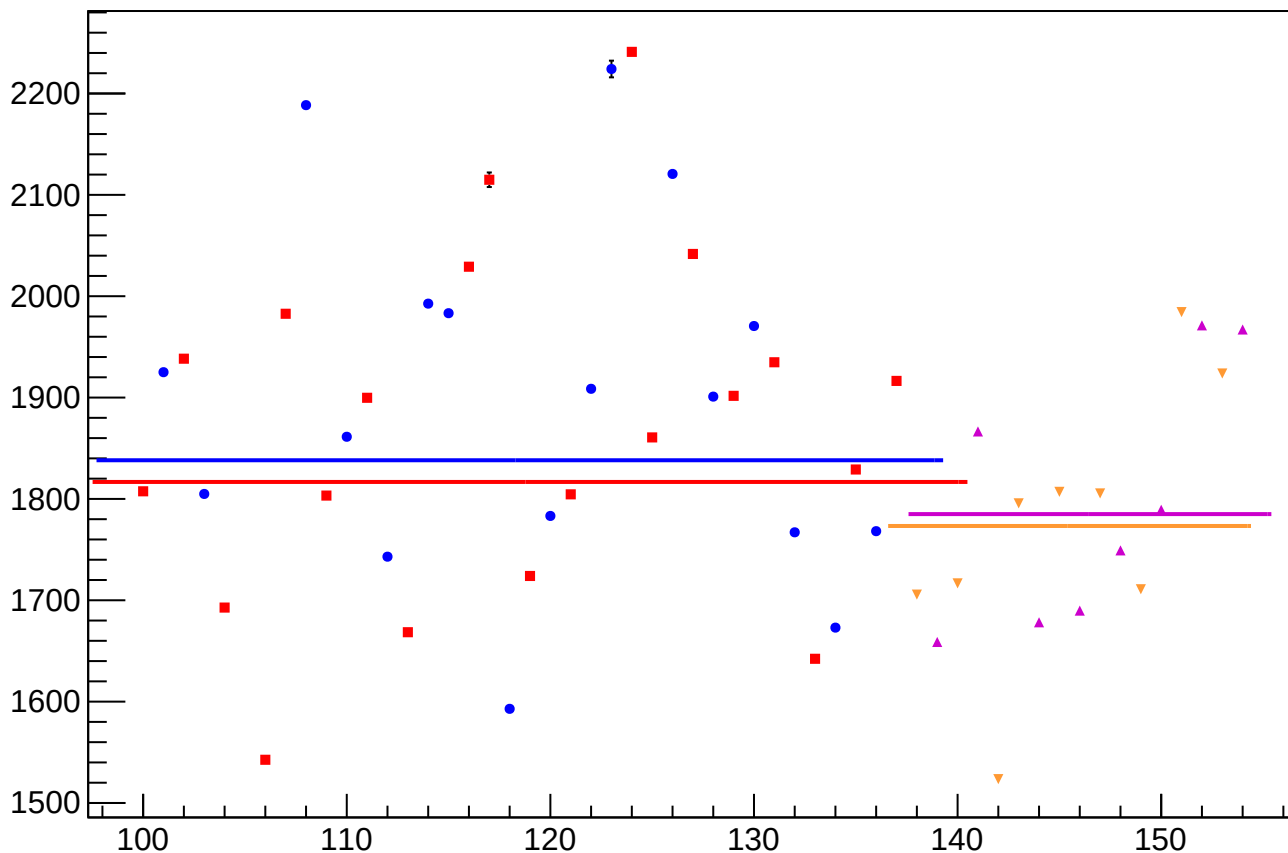
Left In: -3.238 ± 0.702 $\chi^2/\text{NDF}: 128.2/7$

10.032 ± 0.496 $\chi^2/\text{NDF}: 75.6/25$

3.049 ± 0.348 $\chi^2/\text{NDF}: 708.1/53$

-3.717 ± 0.489 $\chi^2/\text{NDF}: 243.0/27$

diff_bpm0i01aY_rms vs Slug, Sign Corrected



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

Left Out: 1773.298 $\pm$ 0.490 χ^2/NDF : 58397.5/8

Right Out: 1816.748 $\pm$ 0.481 χ^2/NDF : 89149.7/19

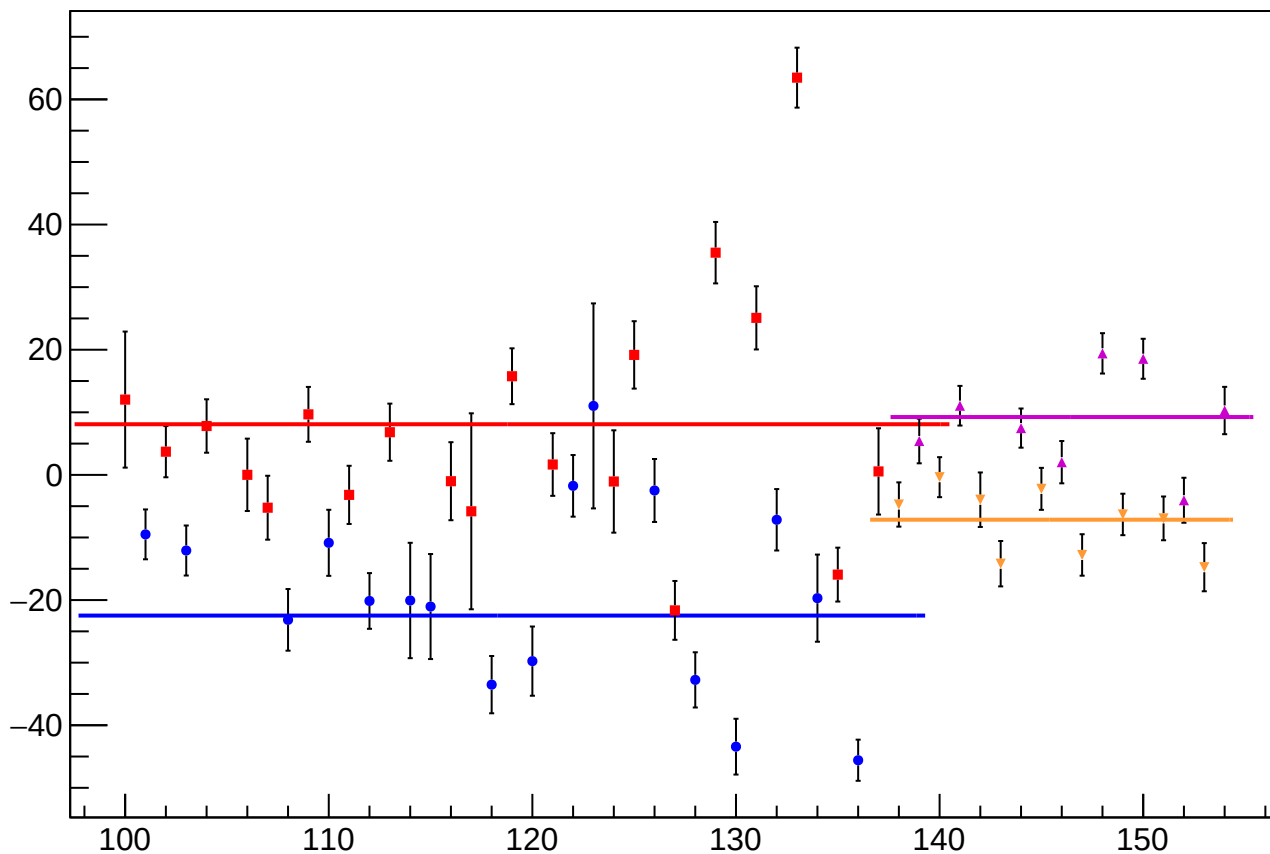
Left In: 1785.029 $\pm$ 0.496 χ^2/NDF : 52956.8/7

1804.894 $\pm$ 0.351 χ^2/NDF : 149801.0/25

1803.103 $\pm$ 0.246 χ^2/NDF : 294063.4/53

1801.369 $\pm$ 0.346 χ^2/NDF : 144211.2/27

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.477 $\pm$ 1.195 χ^2/NDF : 154.7/16

Left Out: -7.159 $\pm$ 1.173 χ^2/NDF : 18.3/8

Right Out: 8.093 $\pm$ 1.153 χ^2/NDF : 277.7/19

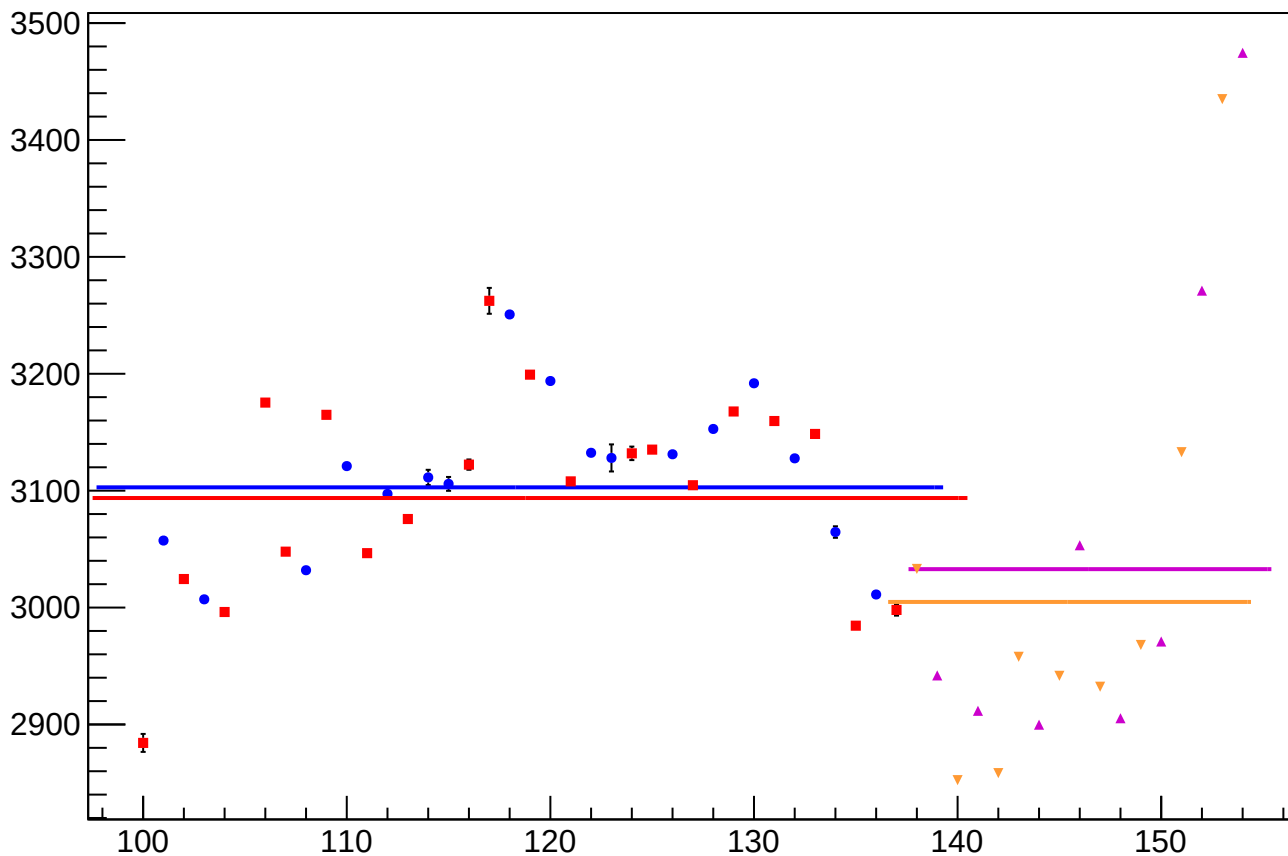
Left In: 9.246 $\pm$ 1.187 χ^2/NDF : 38.6/7

-14.676 $\pm$ 0.837 χ^2/NDF : 256.7/25

-2.877 $\pm$ 0.588 χ^2/NDF : 966.5/53

8.653 $\pm$ 0.827 χ^2/NDF : 316.7/27

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3102.846 $\pm$ 0.845 χ^2/NDF : 7344.9/16

Left Out: 3004.818 $\pm$ 0.829 χ^2/NDF : 36873.7/8

Right Out: 3093.715 $\pm$ 0.816 χ^2/NDF : 7996.8/19

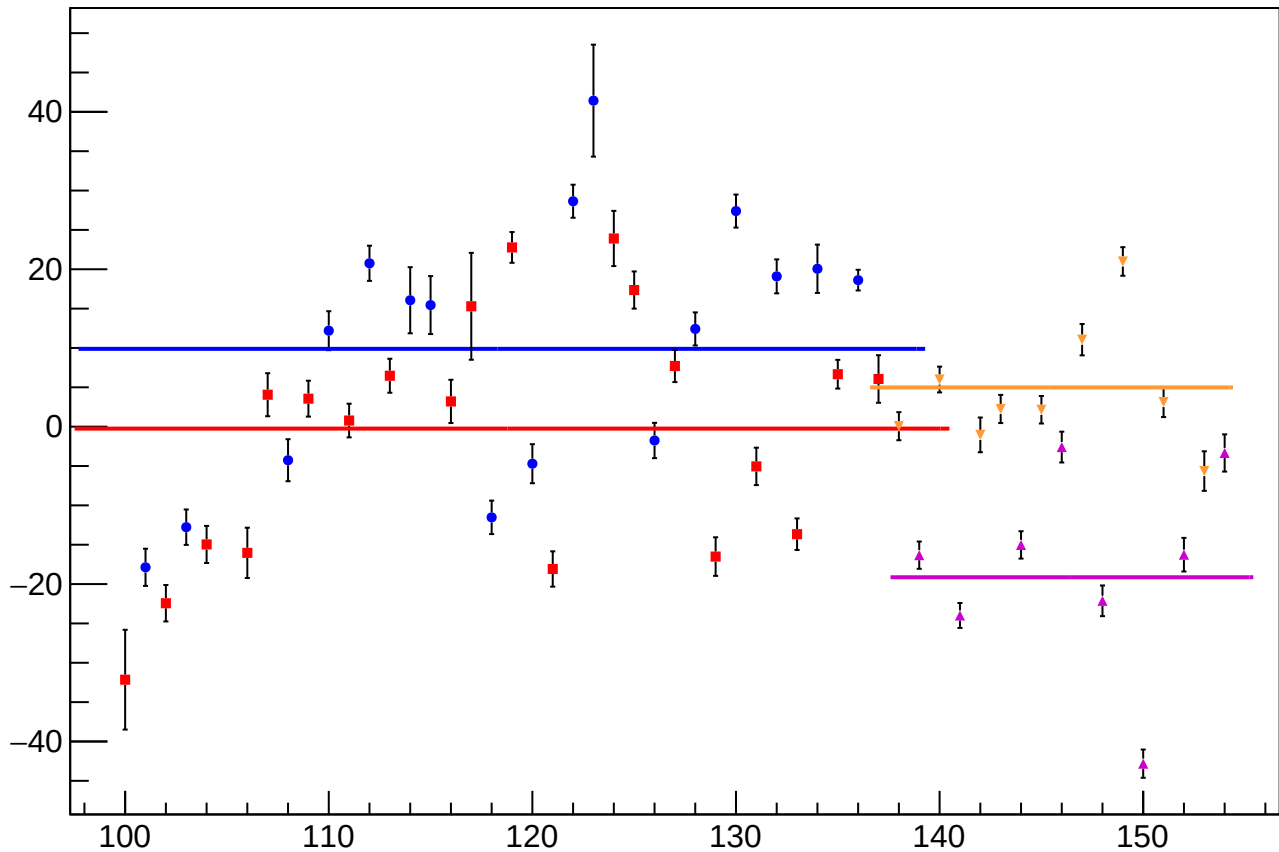
Left In: 3032.868 $\pm$ 0.840 χ^2/NDF : 47869.8/7

3052.918 $\pm$ 0.592 χ^2/NDF : 51076.4/25

3058.610 $\pm$ 0.416 χ^2/NDF : 109828.6/53

3064.173 $\pm$ 0.585 χ^2/NDF : 58569.2/27

diff_bpm0l01Y_mean vs Slug, Sign Corrected



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

Left Out: 4.982 ± 0.630 χ^2/NDF : 126.2/8

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

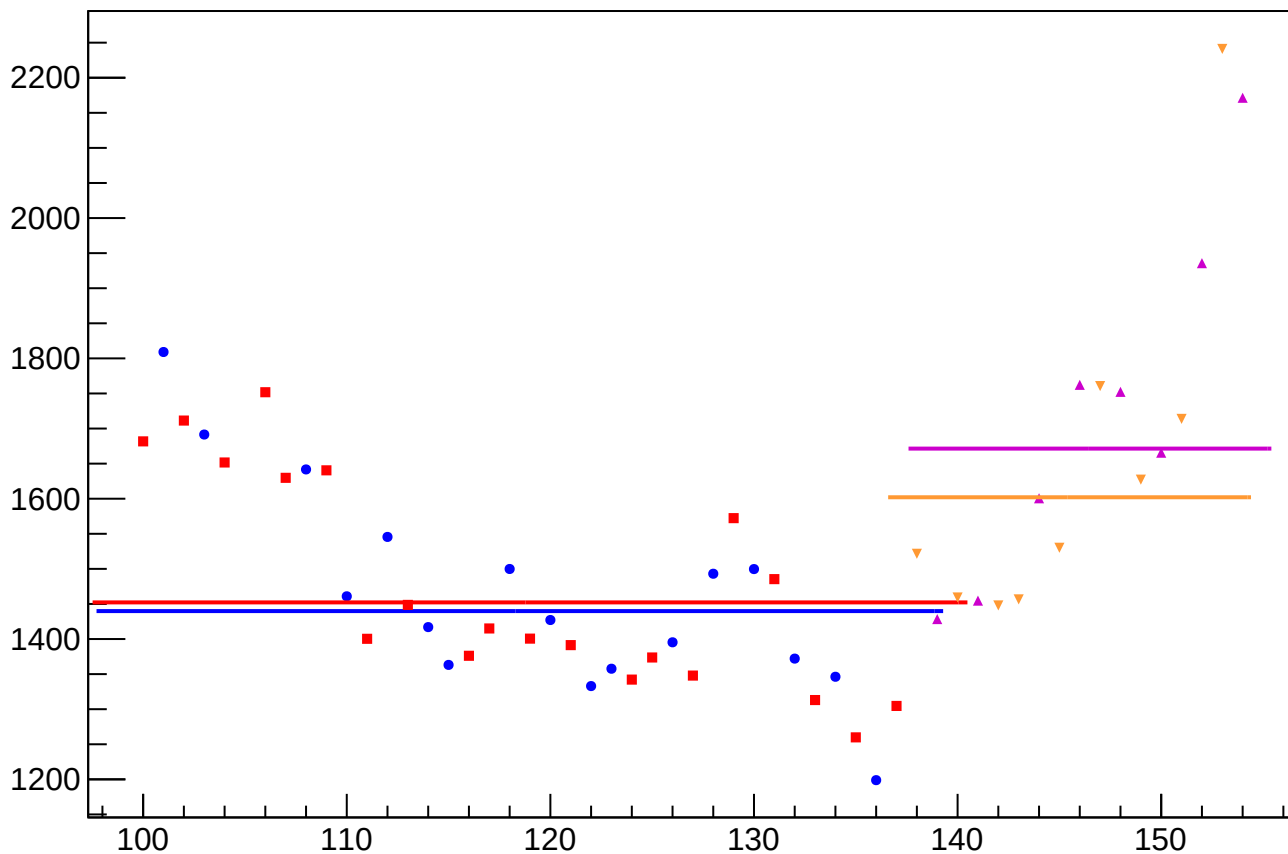
Left In: -19.135 ± 0.660 χ^2/NDF : 311.9/7

7.725 ± 0.418 χ^2/NDF : 863.7/25

-0.054 ± 0.297 χ^2/NDF : 2991.3/53

-7.905 ± 0.420 χ^2/NDF : 1433.0/27

diff_bpm0l01Y_rms vs Slug, Sign Corrected



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

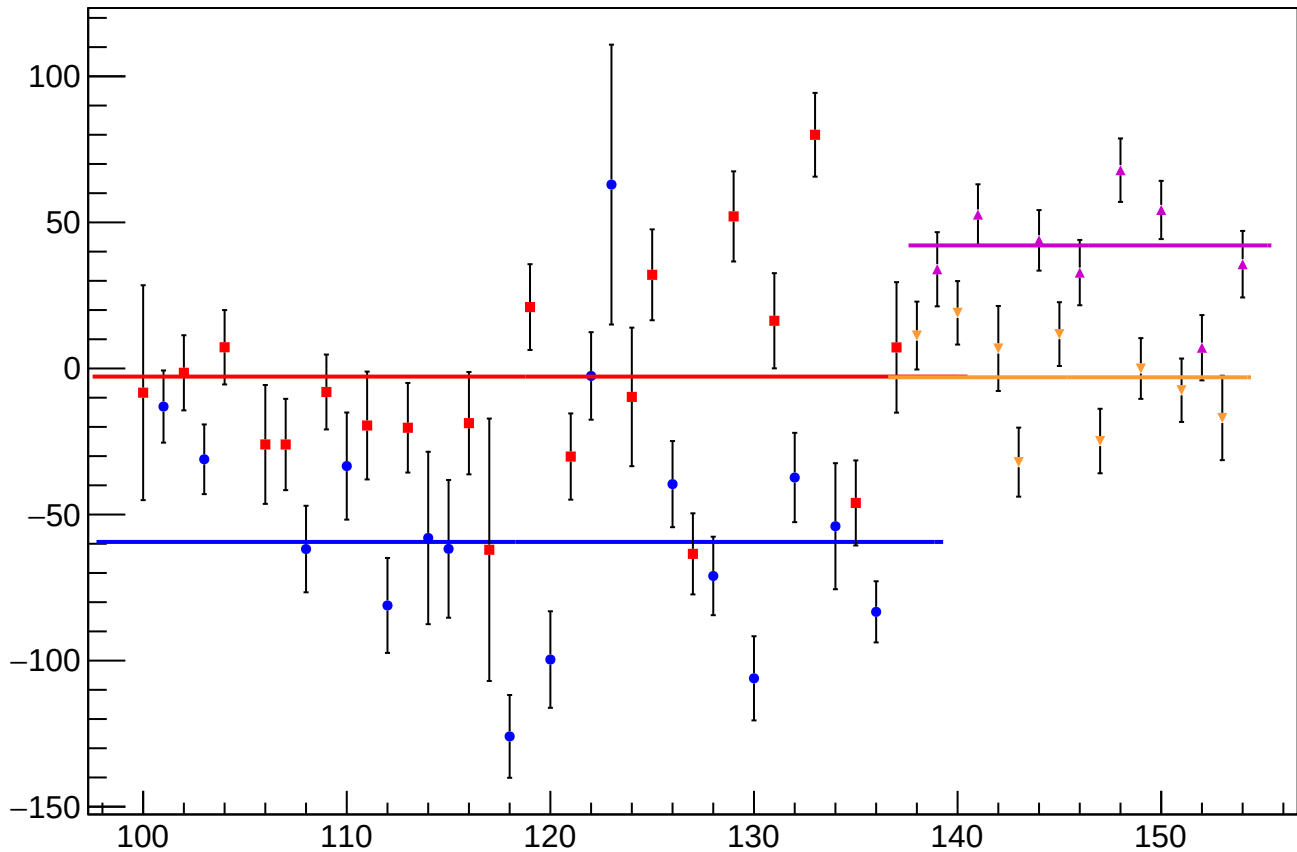
Left In: 1671.415 +/- 0.467 χ^2/NDF : 207926.2/7

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

1526.155 +/- 0.210 χ^2/NDF : 924496.1/53

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

diff_bpm0l02X_mean vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 95.7/19$

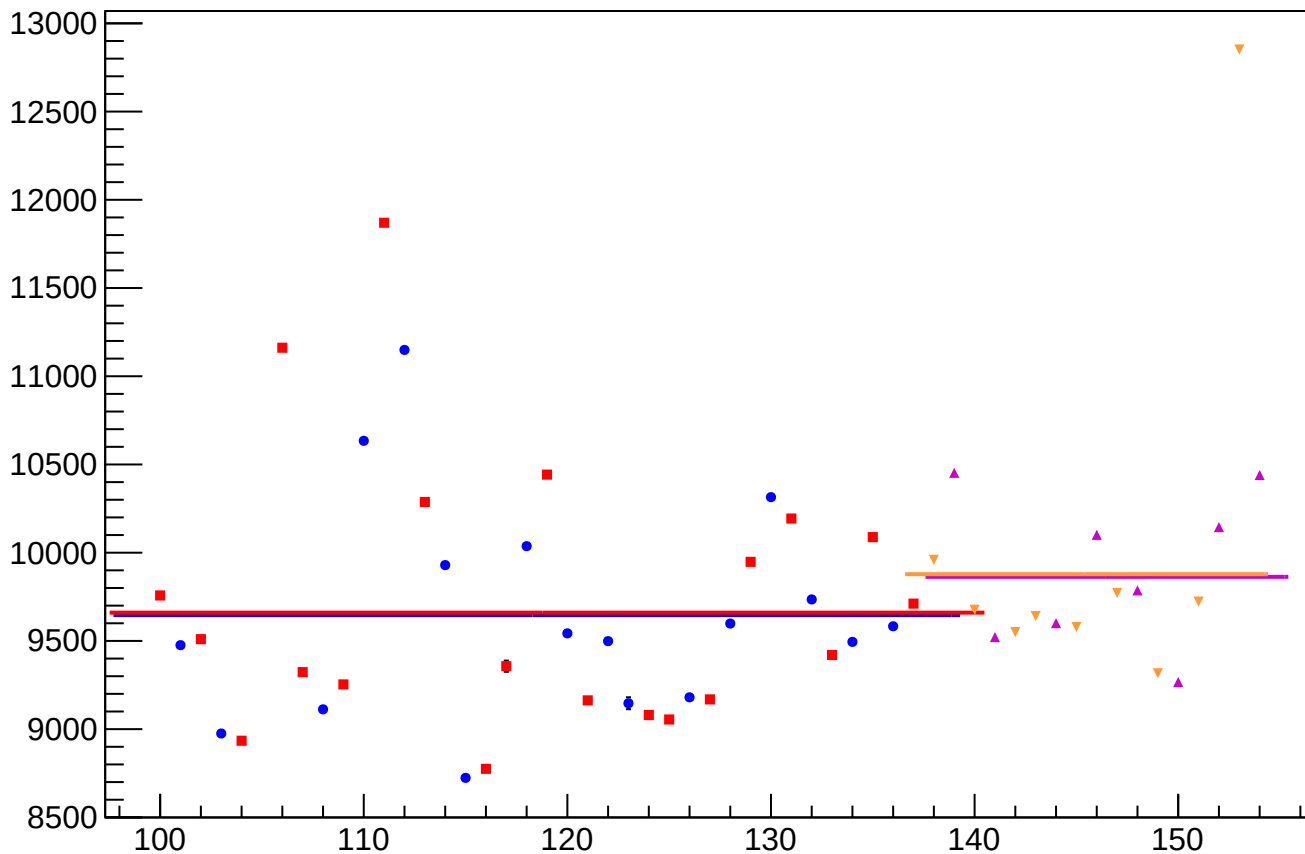
Left In: 42.116 ± 3.860 $\chi^2/\text{NDF}: 19.4/7$

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

-6.581 ± 1.882 $\chi^2/\text{NDF}: 588.6/53$

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

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9646.480 $\pm$ 2.637 χ^2 /NDF: 44060.3/16

Left Out: 9878.190 $\pm$ 2.734 χ^2 /NDF: 95267.1/8

Right Out: 9660.380 $\pm$ 2.558 χ^2 /NDF: 77676.0/19

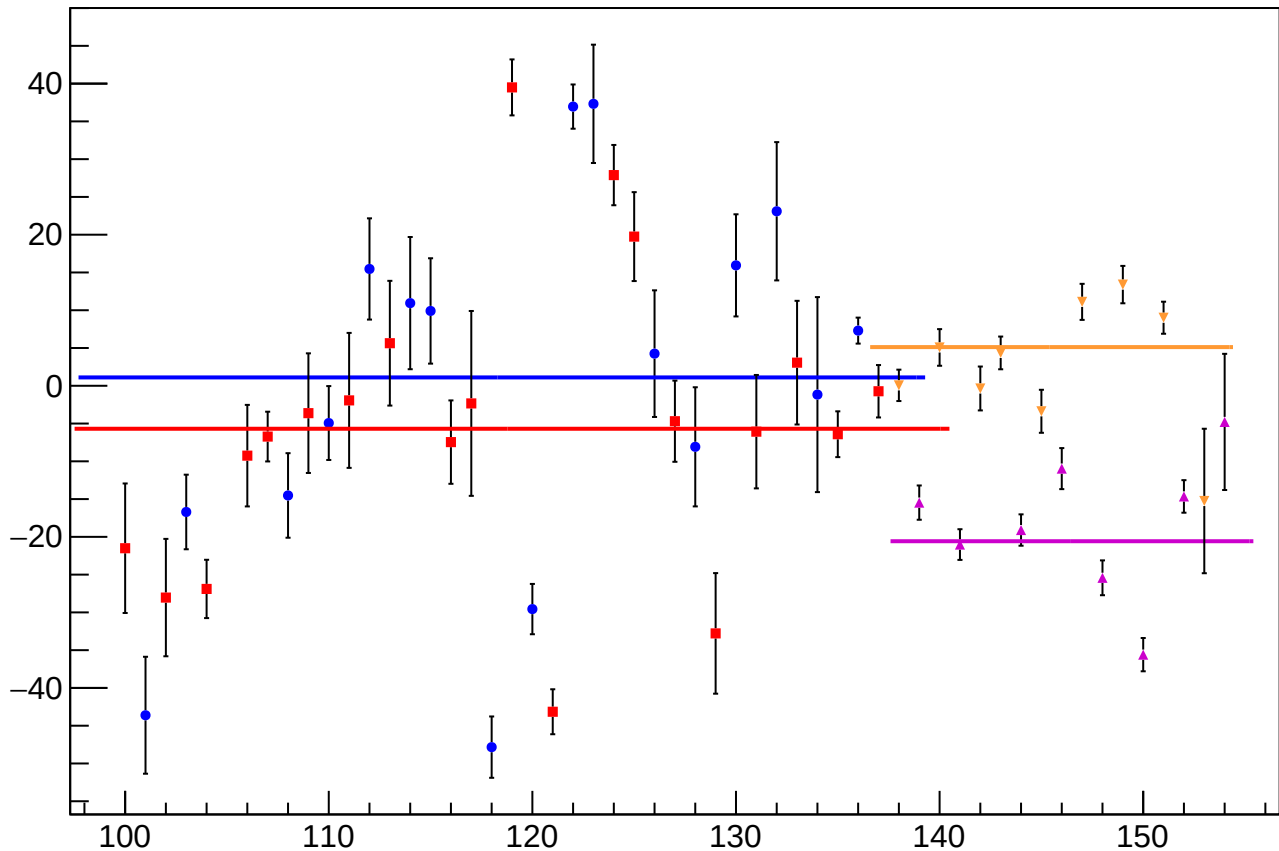
Left In: 9863.114 $\pm$ 2.730 χ^2 /NDF: 22342.7/7

9758.143 $\pm$ 1.898 χ^2 /NDF: 143049.1/25

9756.637 $\pm$ 1.331 χ^2 /NDF: 246005.7/53

9755.180 $\pm$ 1.867 χ^2 /NDF: 102955.4/27

diff_bpm0l02Y_mean vs Slug, Sign Corrected



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

Left Out: 5.120 $\pm$ 0.837 χ^2/NDF : 43.9/8

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

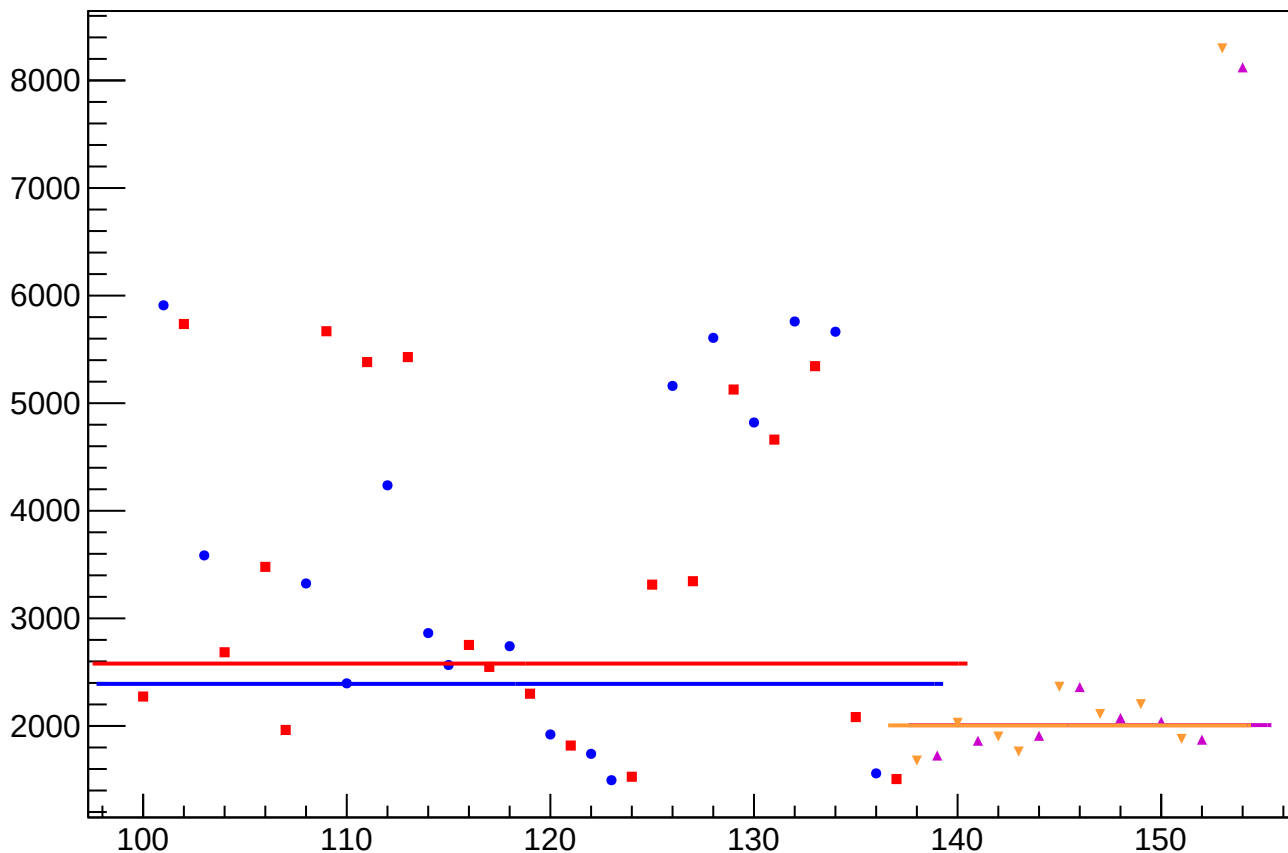
Left In: -20.579 $\pm$ 0.837 χ^2/NDF : 79.7/7

3.591 $\pm$ 0.658 χ^2/NDF : 542.4/25

-5.648 $\pm$ 0.467 χ^2/NDF : 1593.0/53

-15.032 $\pm$ 0.663 χ^2/NDF : 653.5/27

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2391.162 $\pm$ 0.754 χ^2 /NDF: 2600547.2/16

Left Out: 2005.320 $\pm$ 0.592 χ^2 /NDF:998936.7/8

Right Out: 2579.794 $\pm$ 0.768 χ^2 /NDF: 2365284.2/19

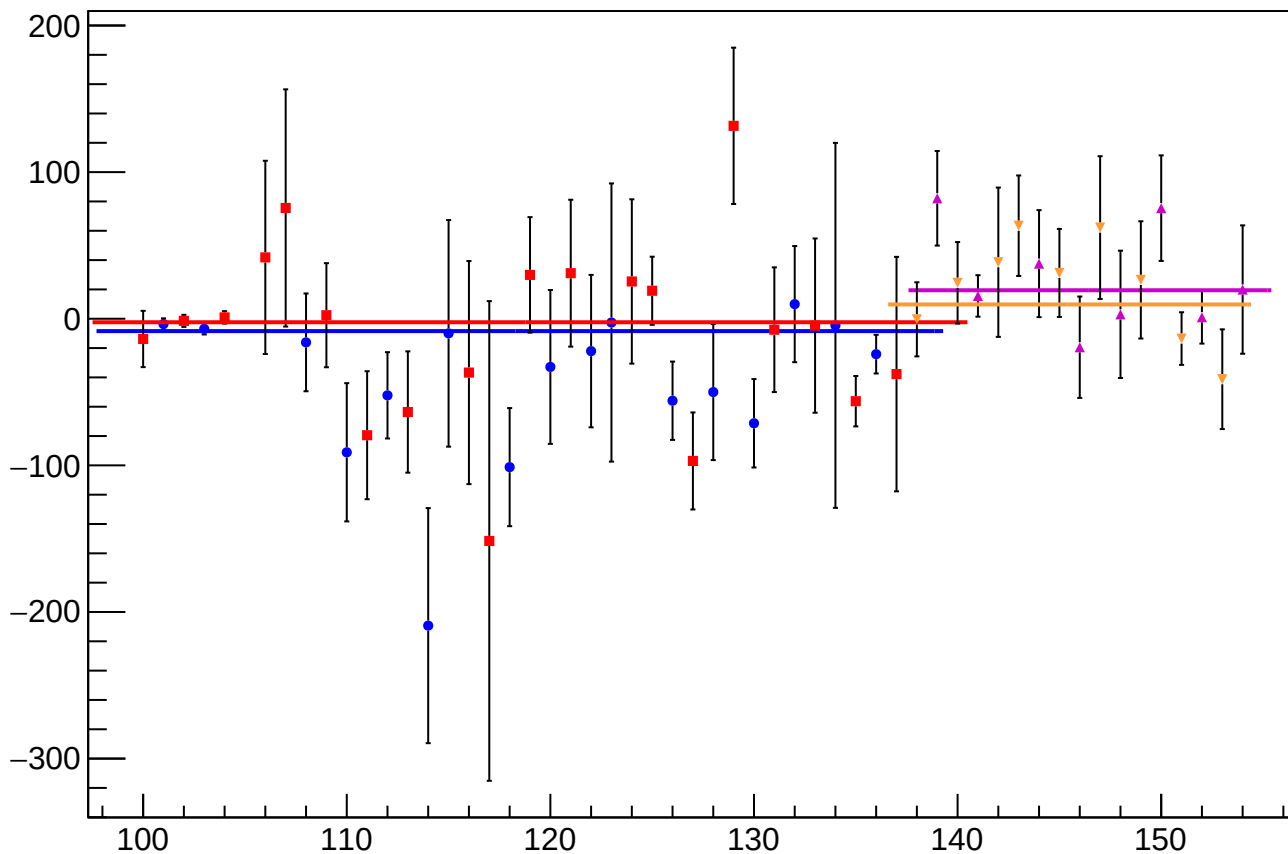
Left In: 2008.086 $\pm$ 0.592 χ^2 /NDF:1009843.7/7

2152.299 $\pm$ 0.465 χ^2 /NDF: 3761552.3/25

2186.414 $\pm$ 0.330 χ^2 /NDF: 7494786.7/53

2221.060 $\pm$ 0.469 χ^2 /NDF: 3722405.6/27

diff_bpm0l03X_mean vs Slug, Sign Corrected



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

Left Out: 9.761 ± 9.890 χ^2/NDF : 9.0/8

Right Out: -2.392 ± 2.786 χ^2/NDF : 35.5/19

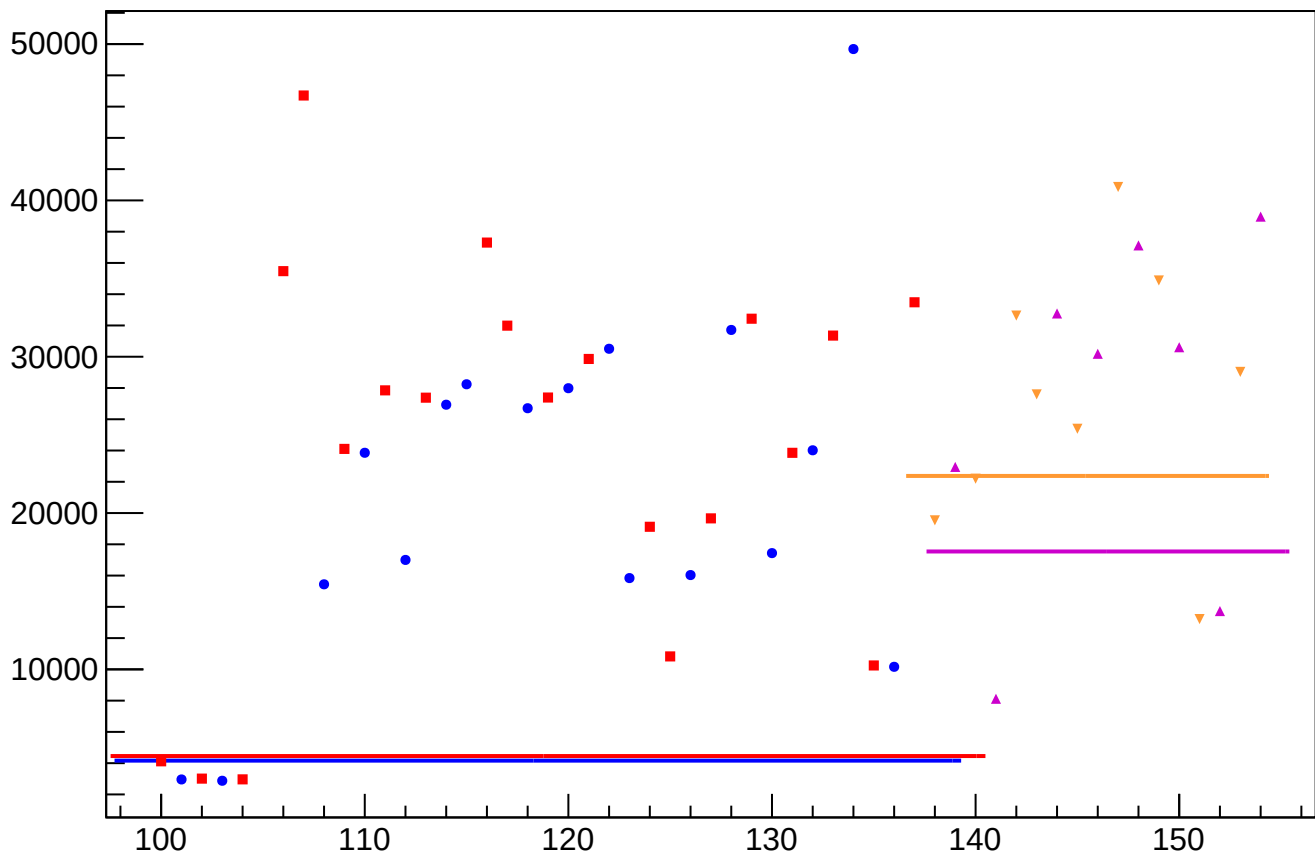
Left In: 19.426 ± 8.959 χ^2/NDF : 9.0/7

-7.265 ± 2.503 χ^2/NDF : 41.1/25

-4.073 ± 1.823 χ^2/NDF : 94.4/53

-0.467 ± 2.661 χ^2/NDF : 49.9/27

diff_bpm0l03X_rms vs Slug, Sign Corrected



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

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

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

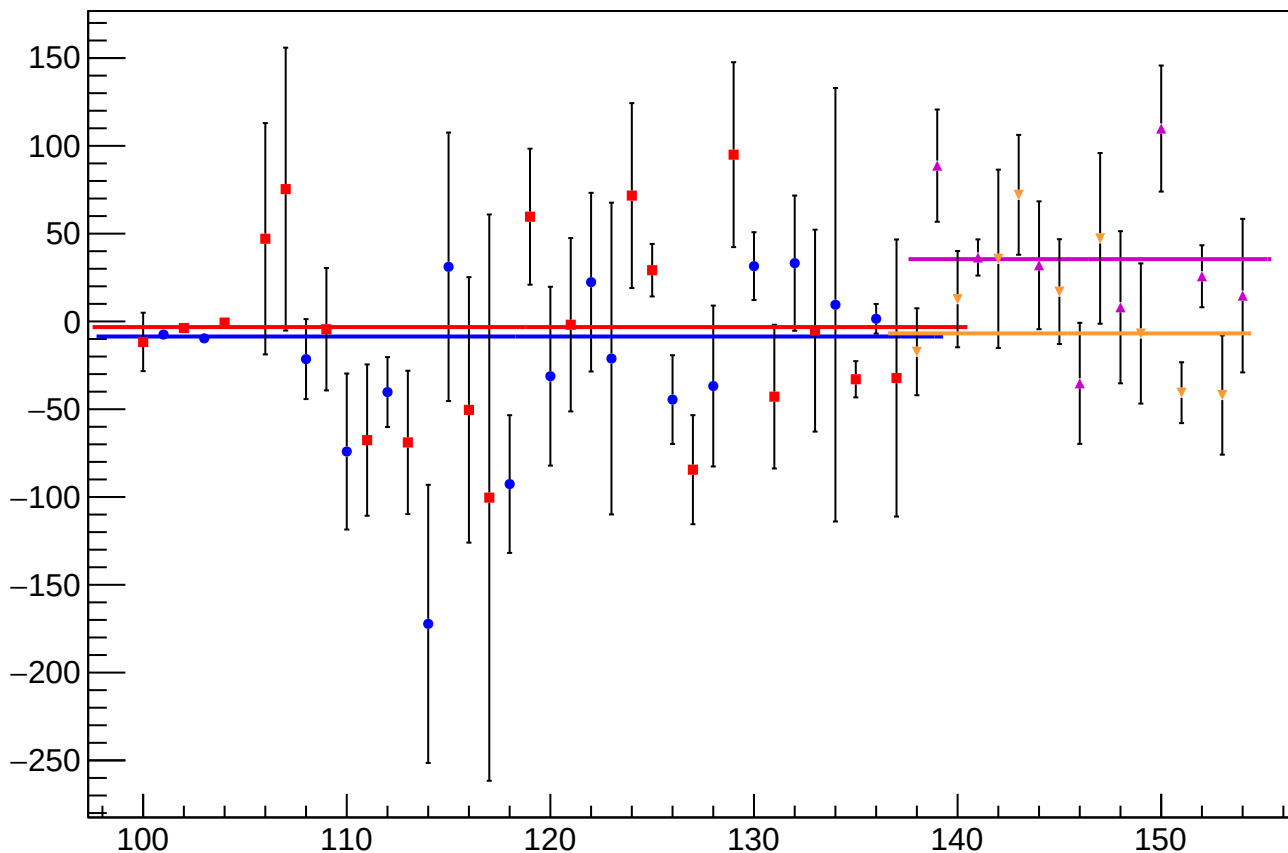
Left In: 17541.731+/-6.335 χ^2/NDF : 2798046.6/7

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

5460.721+/-1.289 χ^2/NDF : 27777159.5/5

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

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.586 $\pm$ 1.778 χ^2/NDF : 24.4/16

Left Out: -6.818 $\pm$ 9.726 χ^2/NDF : 13.5/8

Right Out: -3.208 $\pm$ 1.922 χ^2/NDF : 37.2/19

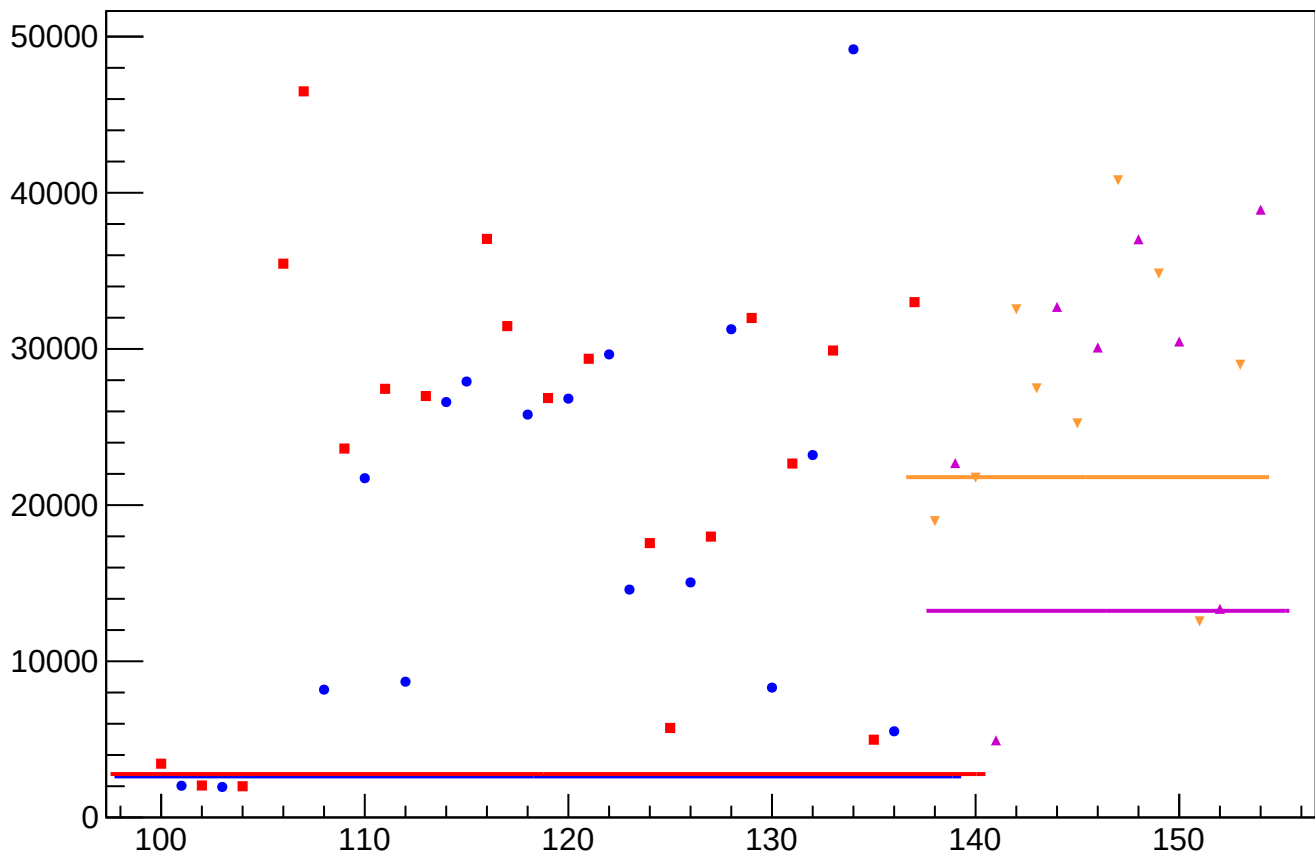
Left In: 35.472 $\pm$ 7.666 χ^2/NDF : 12.2/7

-8.529 $\pm$ 1.749 χ^2/NDF : 37.9/25

-4.968 $\pm$ 1.275 χ^2/NDF : 120.2/53

-0.920 $\pm$ 1.864 χ^2/NDF : 73.4/27

diff_bpm0l03Y_rms vs Slug, Sign Corrected



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

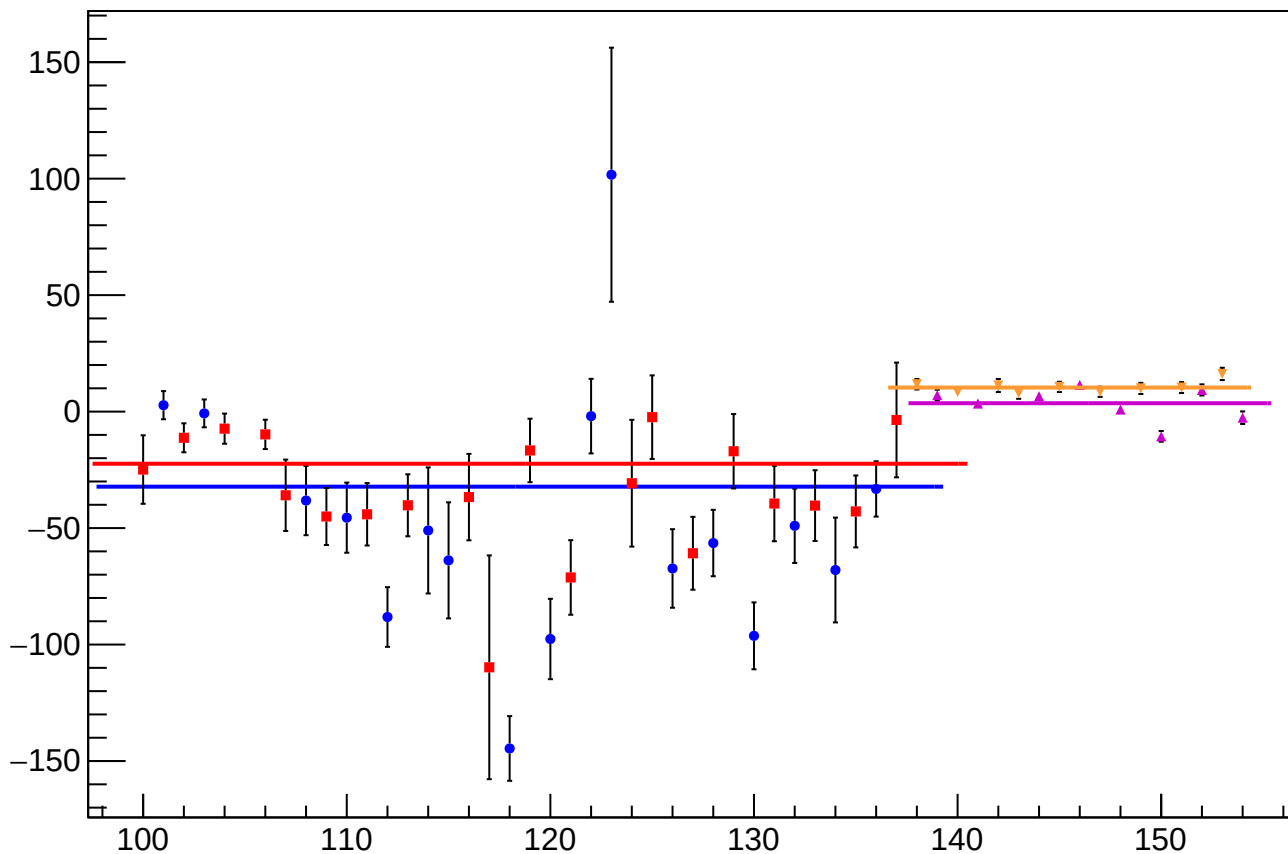
Left In: 13231.977+/-5.420 χ^2/NDF :4274183.7/7

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

3318.291+/-0.902 χ^2/NDF : 30153294.8/5

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

diff_bpm0l04X_mean vs Slug, Sign Corrected



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

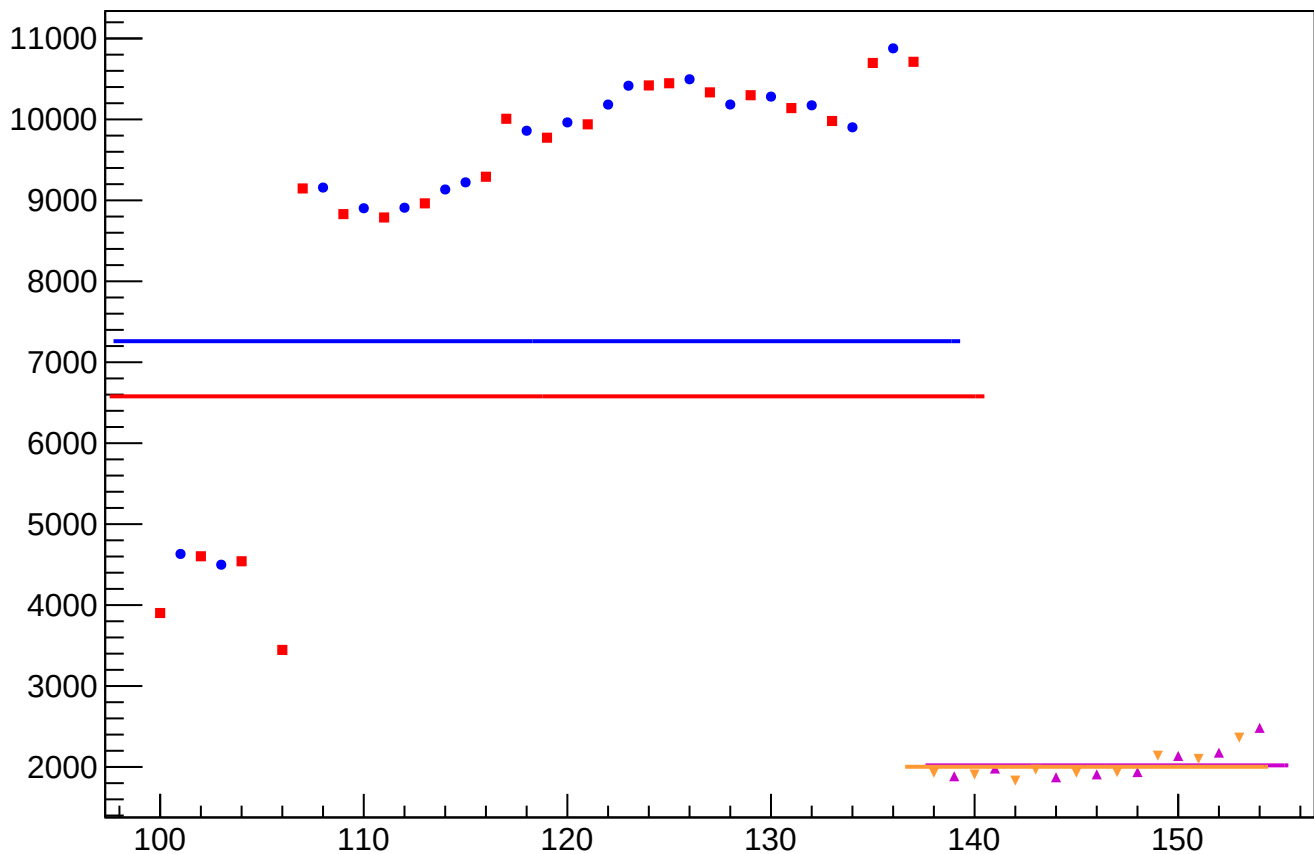
Left In: 3.596 ± 0.793 χ^2/NDF : 69.2/7

7.587 ± 0.757 χ^2/NDF : 402.1/25

4.547 ± 0.536 χ^2/NDF : 638.0/53

1.484 ± 0.760 χ^2/NDF : 203.5/27

diff_bpm0l04X_rms vs Slug, Sign Corrected



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

Left Out: 2002.407 $\pm$ 0.553 χ^2 /NDF: 65174.8/8

Right Out: 6578.773 $\pm$ 1.885 χ^2 /NDF: 2206772.9/19

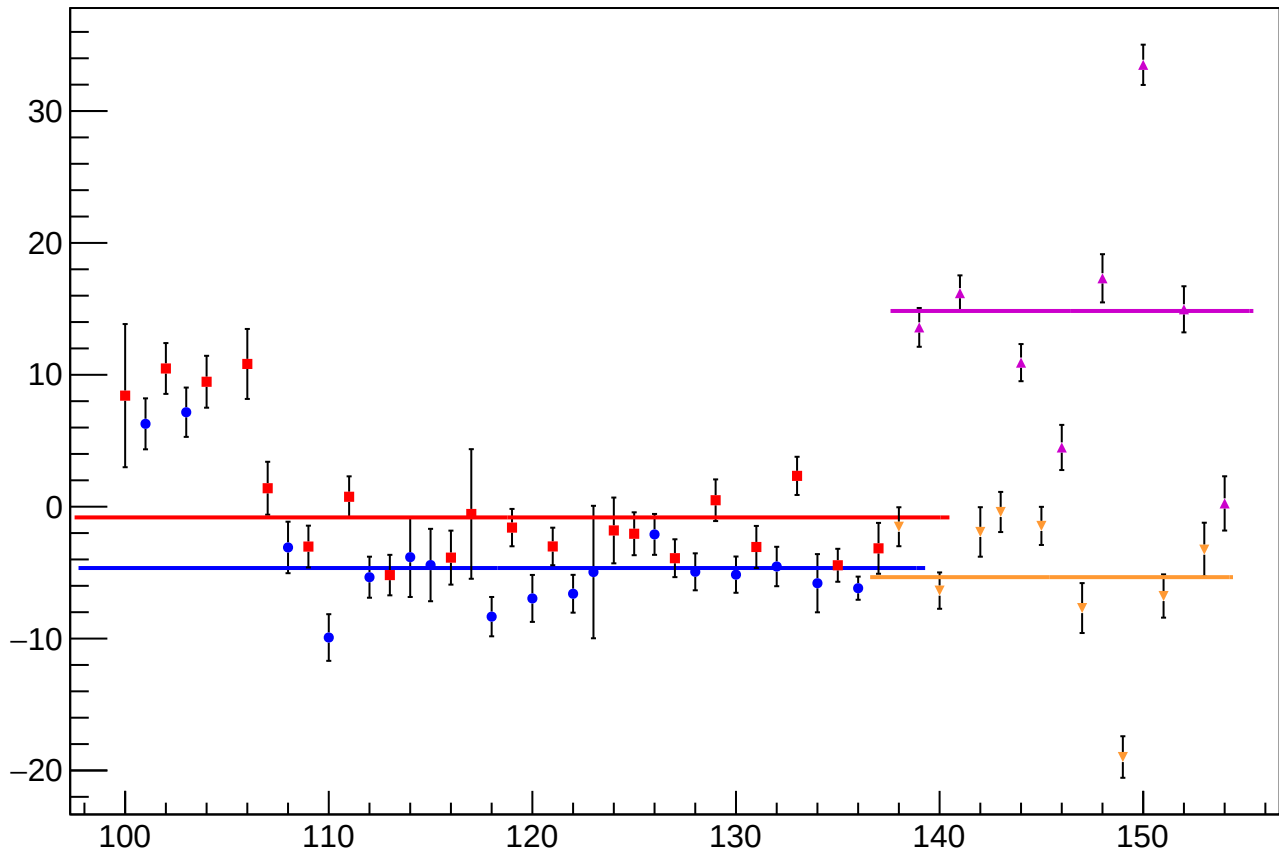
Left In: 2019.932 $\pm$ 0.561 χ^2 /NDF: 99177.2/7

2341.348 $\pm$ 0.535 χ^2 /NDF: 7520393.5/25

2365.865 $\pm$ 0.379 χ^2 /NDF: 15206495.0/5

2390.575 $\pm$ 0.537 χ^2 /NDF: 7681889.1/27

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.651 $\pm$ 0.393 χ^2/NDF : 97.6/16

Left Out: -5.342 $\pm$ 0.537 χ^2/NDF : 106.6/8

Right Out: -0.813 $\pm$ 0.387 χ^2/NDF : 123.7/19

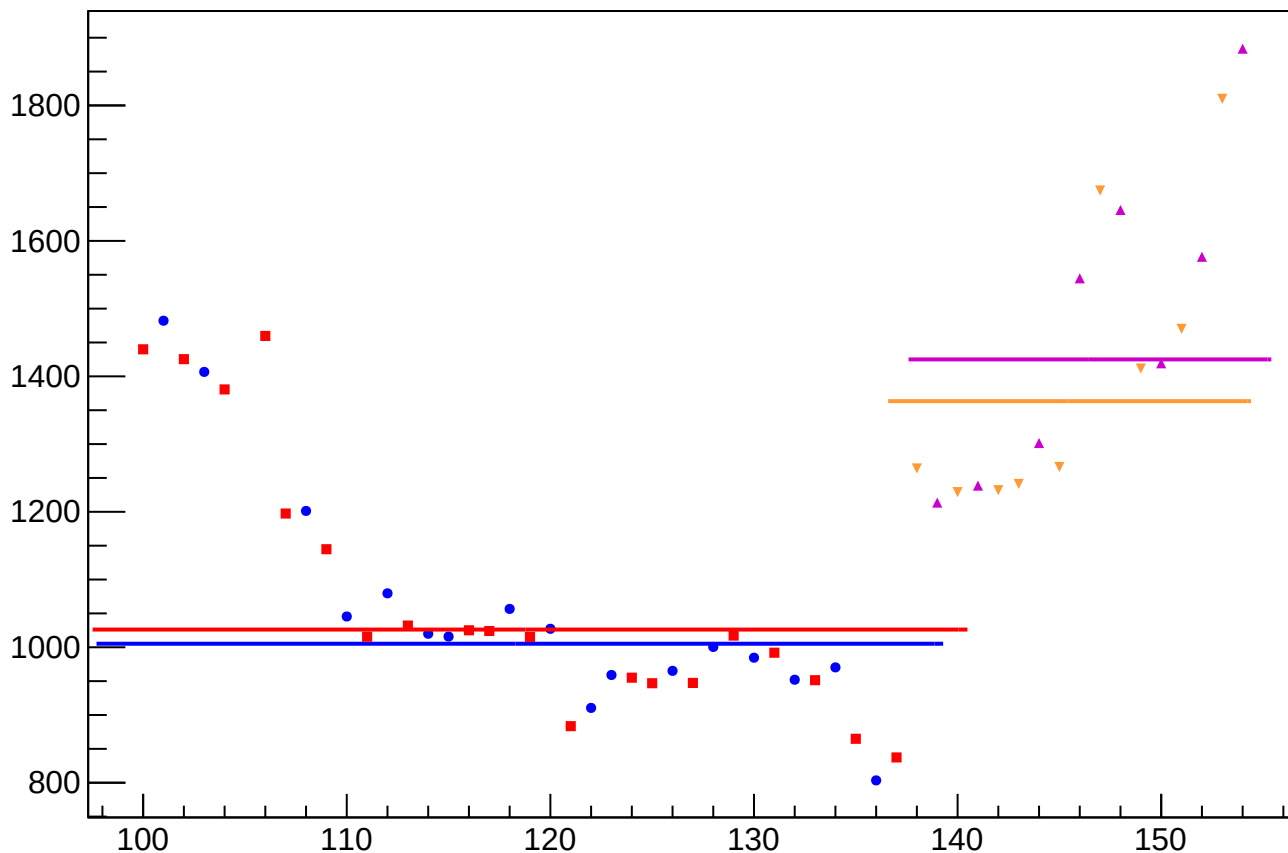
Left In: 14.841 $\pm$ 0.564 χ^2/NDF : 247.5/7

-4.892 $\pm$ 0.317 χ^2/NDF : 205.3/25

-0.374 $\pm$ 0.225 χ^2/NDF : 1510.1/53

4.209 $\pm$ 0.319 χ^2/NDF : 895.3/27

diff_bpm0l04Y_rms vs Slug, Sign Corrected



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

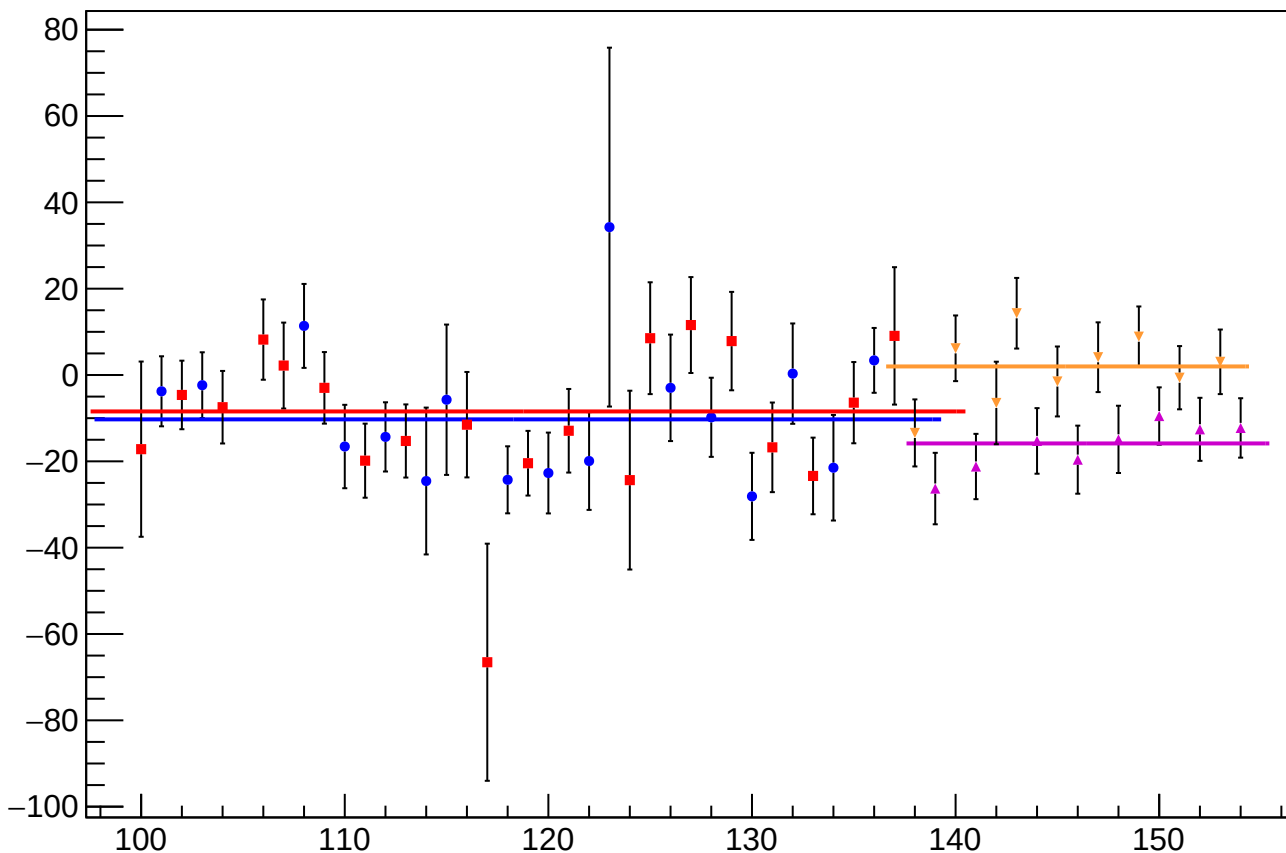
Left In: 1425.010+/-0.398 χ^2/NDF : 248292.9/7

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

1142.021+/-0.159 χ^2/NDF : 2429565.3/53

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

diff_bpm0l05X_mean vs Slug, Sign Corrected



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

Left Out: 1.983 ± 2.606 $\chi^2/\text{NDF}: 8.7/8$

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

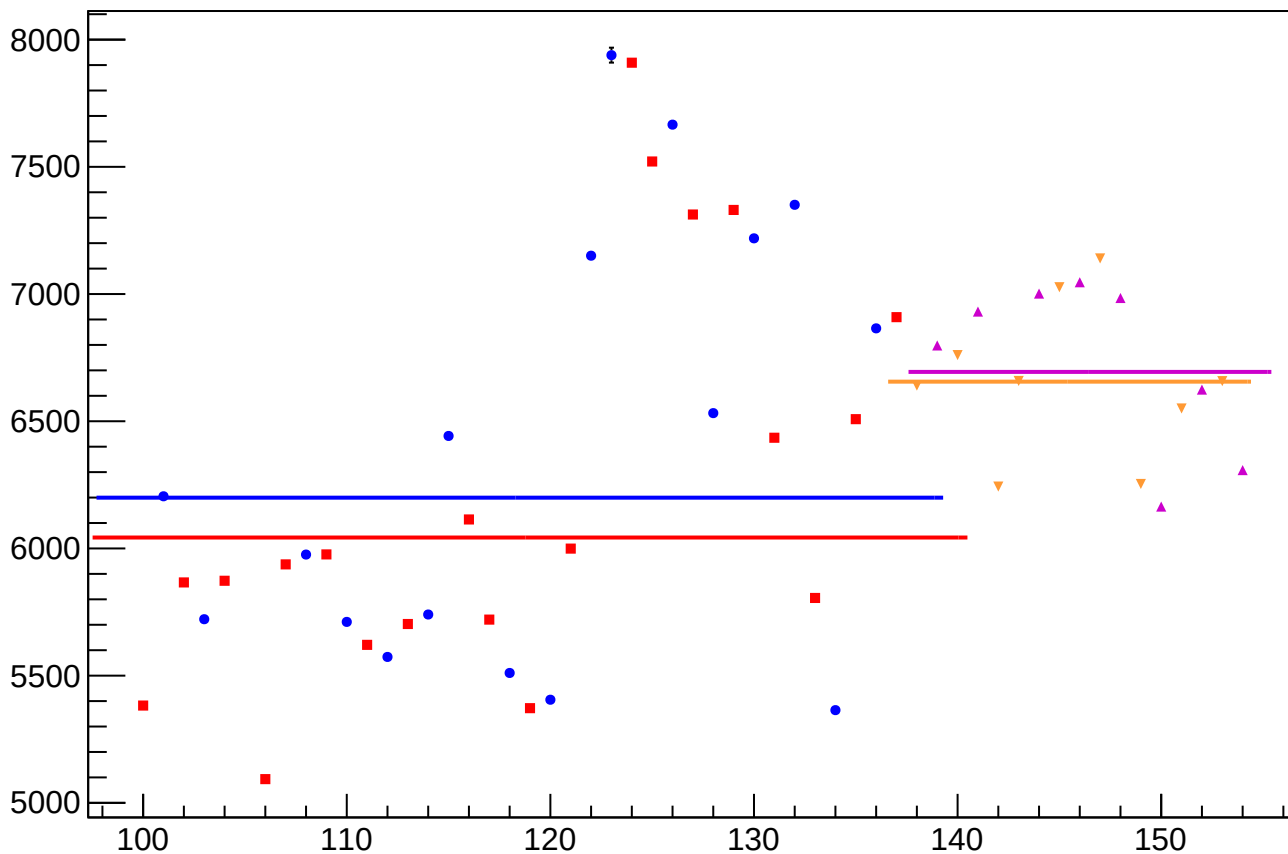
Left In: -15.853 ± 2.631 $\chi^2/\text{NDF}: 3.7/7$

-4.631 ± 1.768 $\chi^2/\text{NDF}: 44.1/25$

-8.217 ± 1.233 $\chi^2/\text{NDF}: 87.6/53$

-11.605 ± 1.719 $\chi^2/\text{NDF}: 35.5/27$

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6199.617 ± 1.703 $\chi^2/\text{NDF}: 171760.4/16$

Left Out: 6655.637 ± 1.843 $\chi^2/\text{NDF}: 22526.9/8$

Right Out: 6042.952 ± 1.606 $\chi^2/\text{NDF}: 158600.9/19$

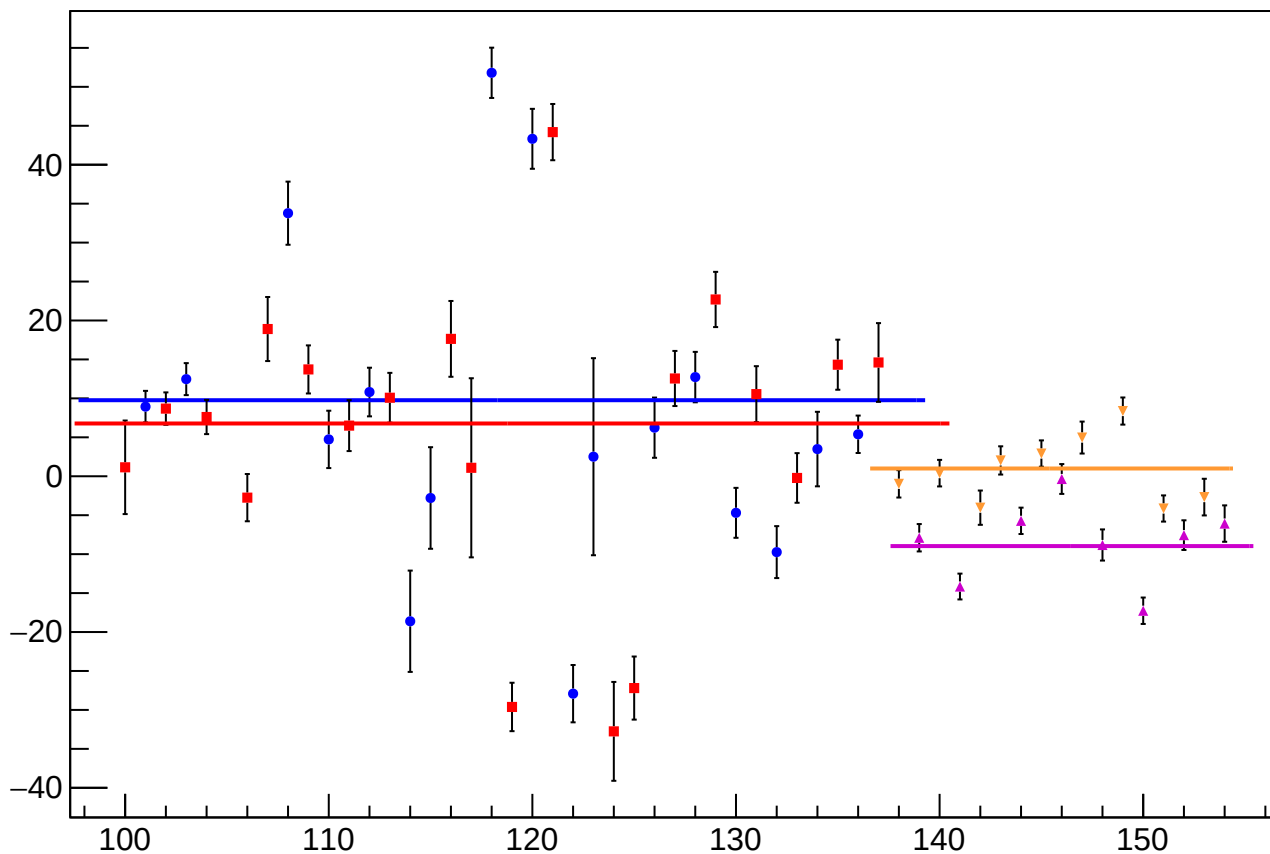
Left In: 6693.949 ± 1.860 $\chi^2/\text{NDF}: 31506.5/7$

6409.639 ± 1.250 $\chi^2/\text{NDF}: 227326.7/25$

6363.977 ± 0.872 $\chi^2/\text{NDF}: 490201.6/53$

6320.833 ± 1.216 $\chi^2/\text{NDF}: 260281.7/27$

diff_bpm0l05Y_mean vs Slug, Sign Corrected



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

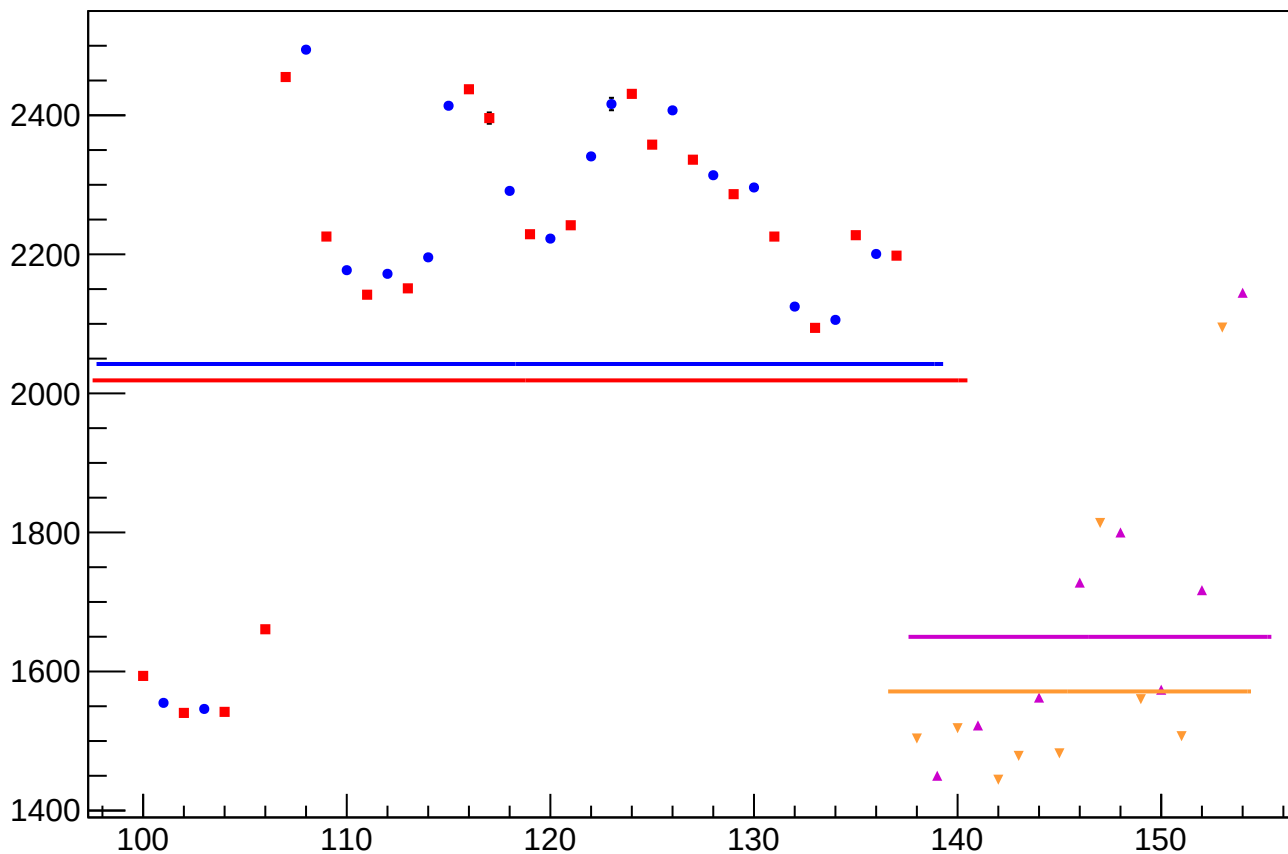
Left In: -8.964 ± 0.650 χ^2/NDF : 60.1/7

4.281 ± 0.488 χ^2/NDF : 591.1/25

1.018 ± 0.347 χ^2/NDF : 1410.7/53

-2.343 ± 0.495 χ^2/NDF : 728.7/27

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 2042.269 $\pm$ 0.563 χ^2/NDF : 356820.1/16

Left Out: 1571.298 $\pm$ 0.436 χ^2/NDF :152178.8/8

Right Out: 2018.694 $\pm$ 0.540 χ^2/NDF : 377792.4/19

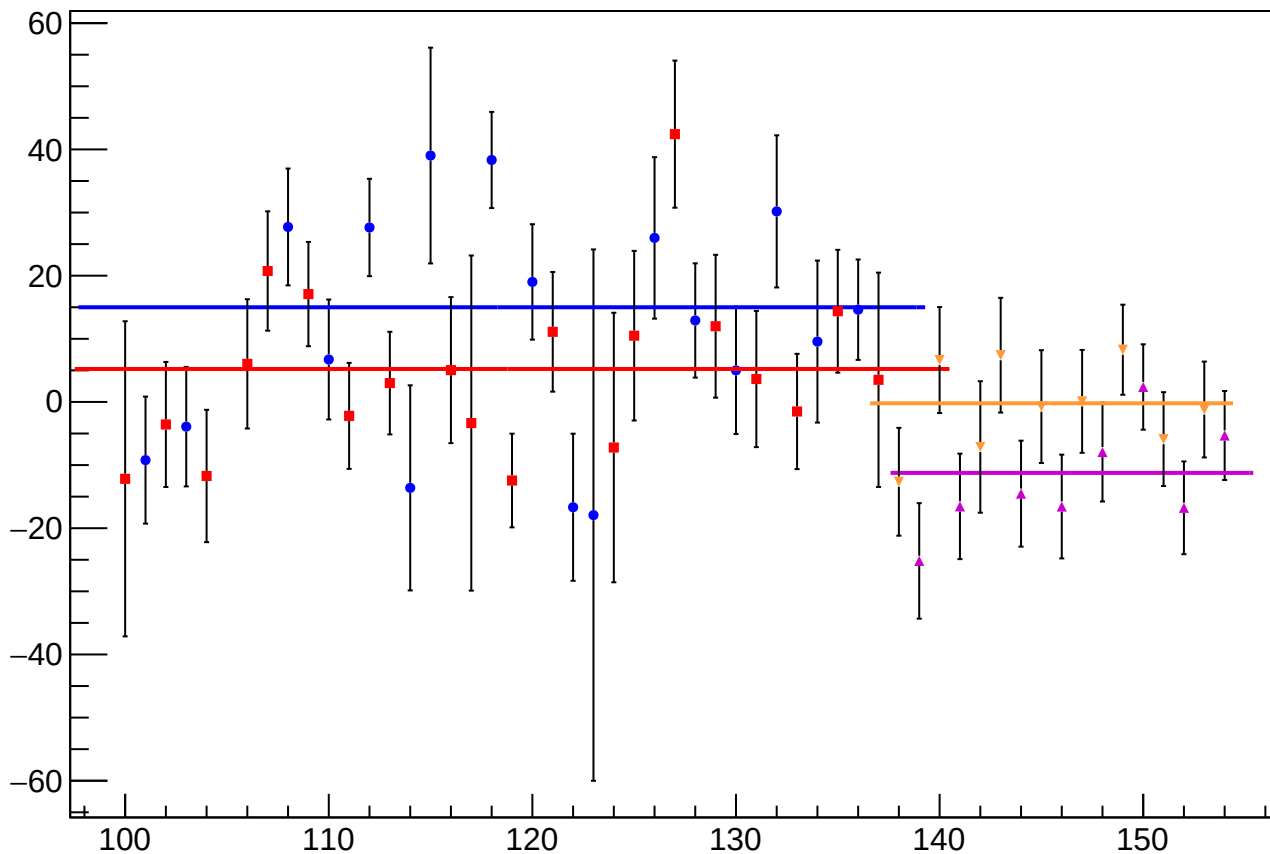
Left In: 1649.835 $\pm$ 0.460 χ^2/NDF :153762.1/7

1747.689 $\pm$ 0.345 χ^2/NDF : 945997.8/25

1775.919 $\pm$ 0.246 χ^2/NDF : 1761902.1/53

1804.995 $\pm$ 0.350 χ^2/NDF : 802298.7/27

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.997 ± 2.485 χ^2/NDF : 41.3/16

Left Out: -0.212 ± 2.753 χ^2/NDF : 5.9/8

Right Out: 5.223 ± 2.348 χ^2/NDF : 28.2/19

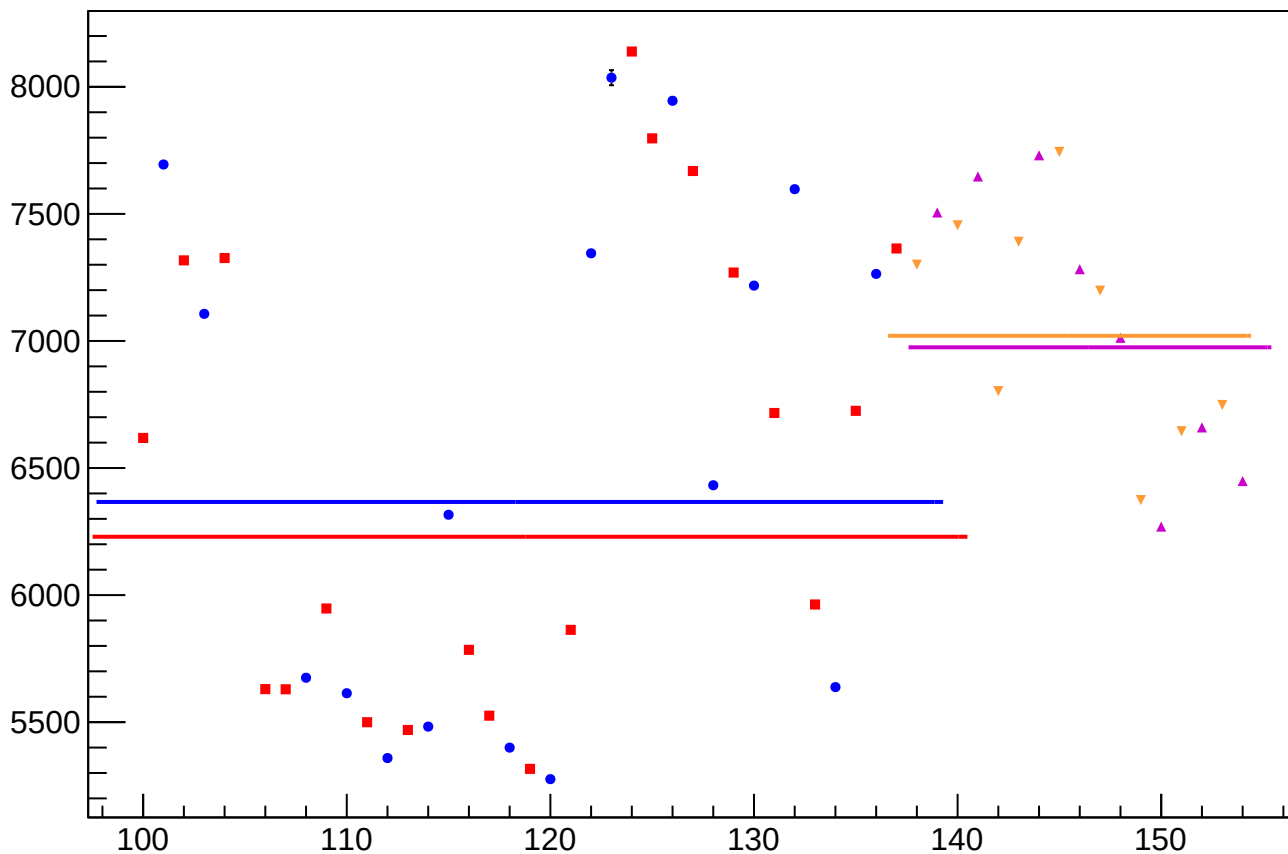
Left In: -11.237 ± 2.751 χ^2/NDF : 8.8/7

8.168 ± 1.845 χ^2/NDF : 64.1/25

3.067 ± 1.283 χ^2/NDF : 136.6/53

-1.714 ± 1.786 χ^2/NDF : 57.7/27

diff_bpm0l06X_rms vs Slug, Sign Corrected



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

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

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

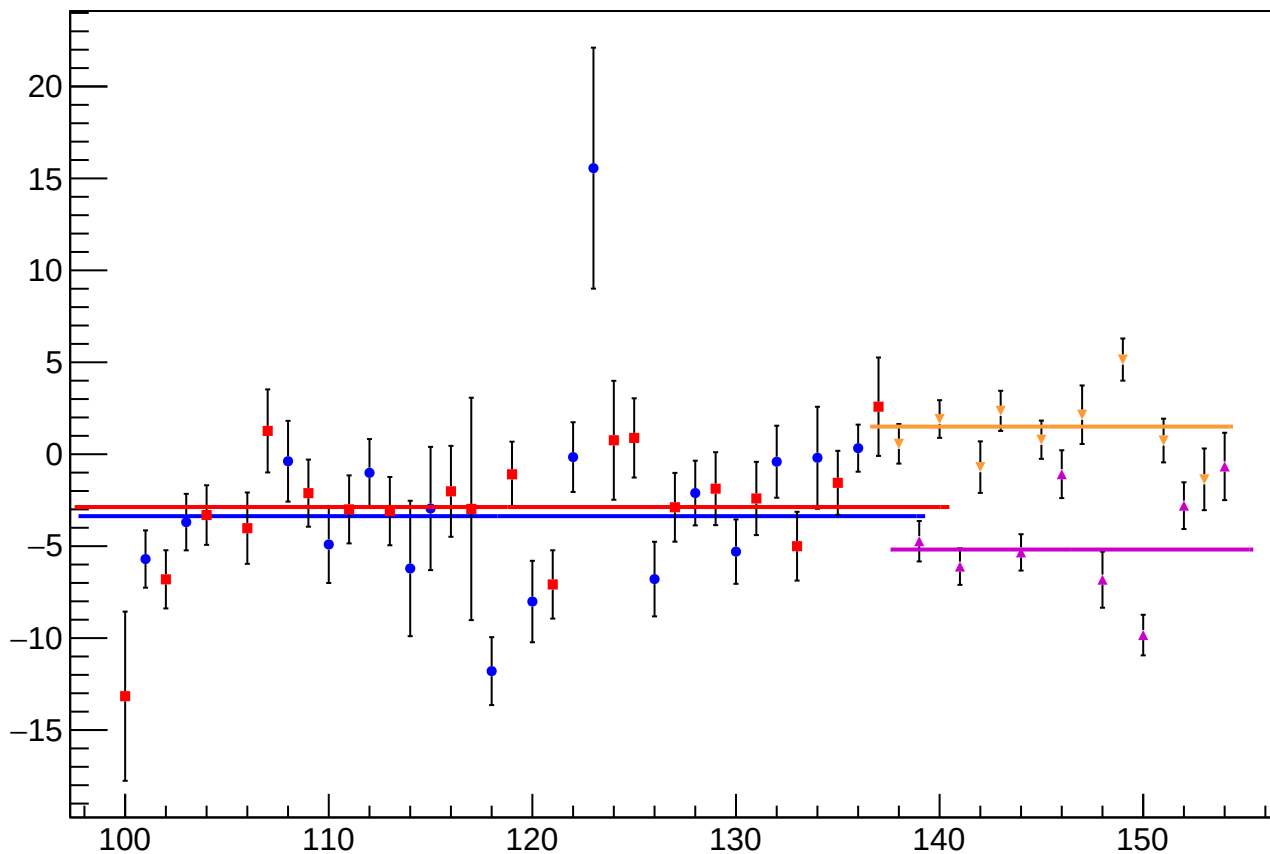
Left In: 6975.013 +/- 1.945 χ^2/NDF : 75321.0/7

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

6600.022 +/- 0.907 χ^2/NDF : 807504.4/53

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

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.368 $\pm$ 0.476 χ^2/NDF : 59.9/16

Left Out: 1.501 $\pm$ 0.398 χ^2/NDF : 18.1/8

Right Out: -2.871 $\pm$ 0.455 χ^2/NDF : 32.0/19

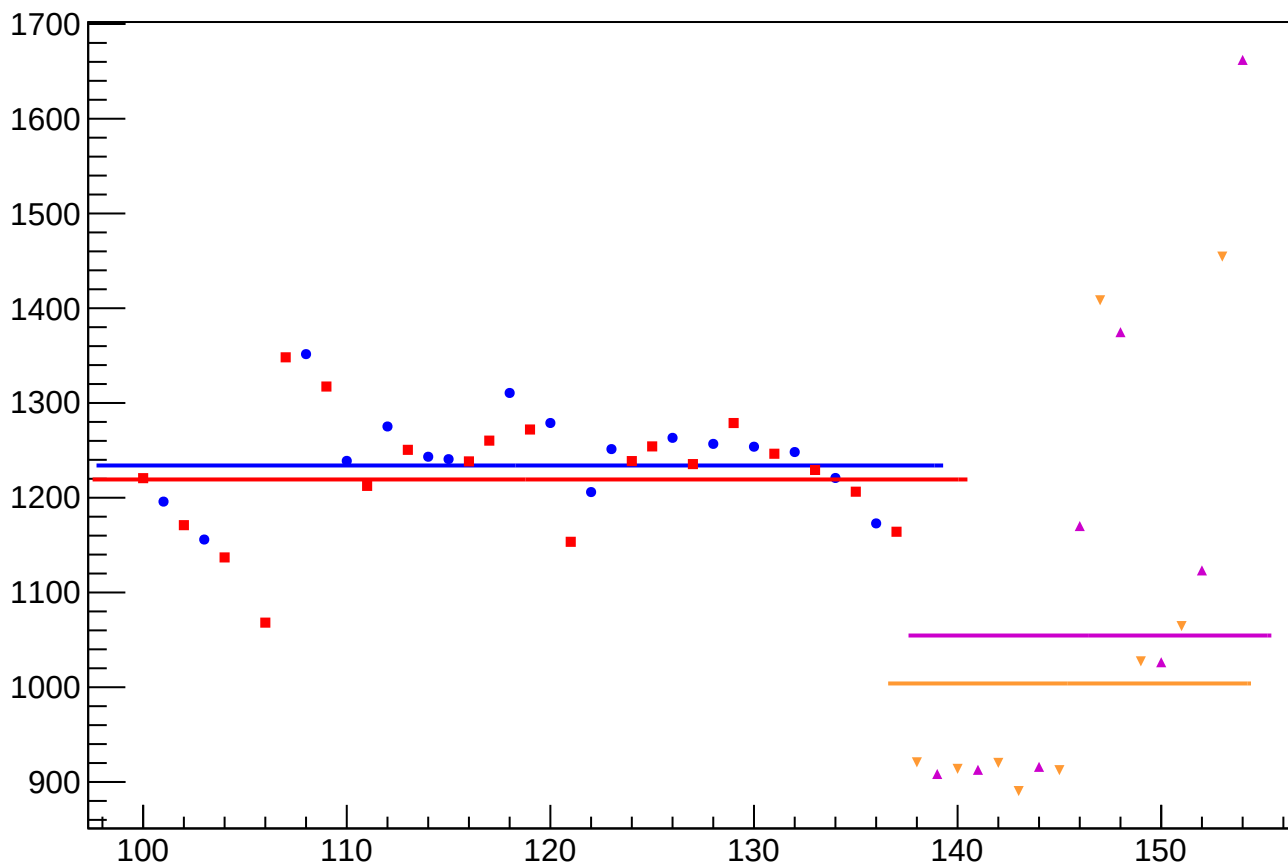
Left In: -5.183 $\pm$ 0.422 χ^2/NDF : 39.5/7

-0.506 $\pm$ 0.305 χ^2/NDF : 139.6/25

-2.286 $\pm$ 0.217 χ^2/NDF : 294.0/53

-4.115 $\pm$ 0.309 χ^2/NDF : 85.4/27

diff_bpm0l06Y_rms vs Slug, Sign Corrected



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

Left Out: 1003.964+/-0.282 χ^2/NDF : 351081.3/8

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

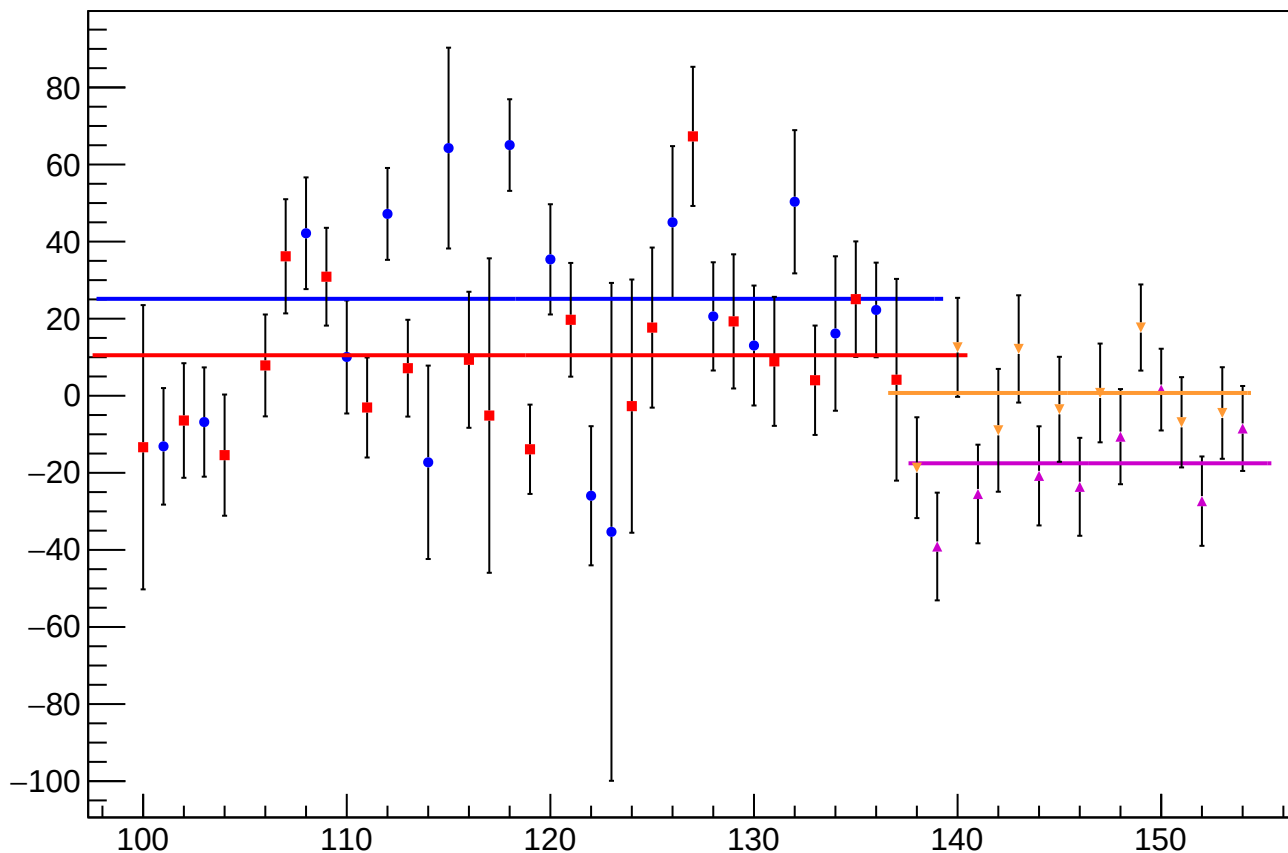
Left In: 1054.582+/-0.298 χ^2/NDF : 445964.8/7

1098.784+/-0.216 χ^2/NDF : 649860.9/25

1114.528+/-0.154 χ^2/NDF : 1287931.8/53

1130.700+/-0.219 χ^2/NDF : 627287.5/27

diff_bpm0l07X_mean vs Slug, Sign Corrected



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

Left Out: 0.725 $\pm$ 4.269 χ^2/NDF : 7.1/8

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

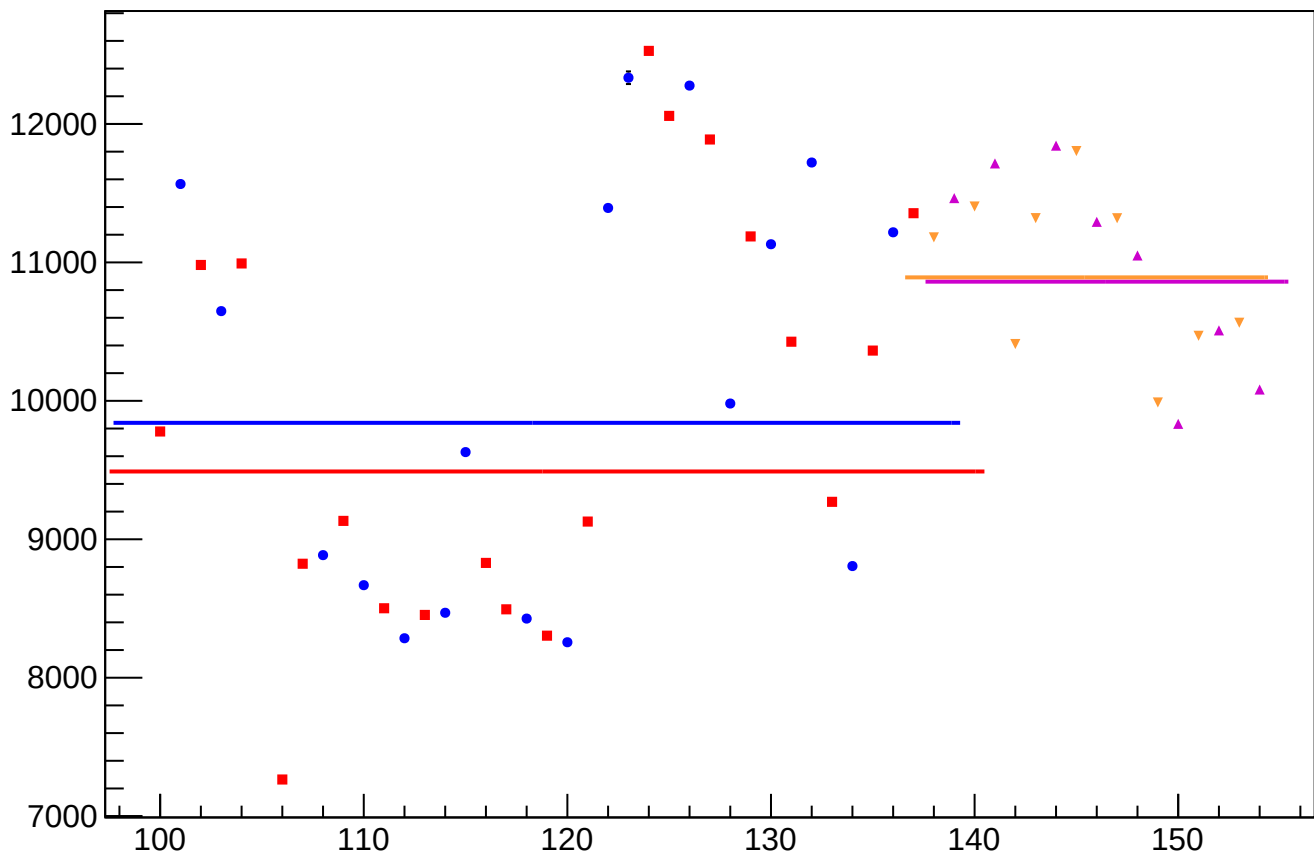
Left In: -17.525 $\pm$ 4.280 χ^2/NDF : 8.0/7

14.234 $\pm$ 2.854 χ^2/NDF : 72.1/25

6.308 $\pm$ 1.979 χ^2/NDF : 148.1/53

-1.032 $\pm$ 2.746 χ^2/NDF : 61.1/27

diff_bpm0l07X_rms vs Slug, Sign Corrected



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

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

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

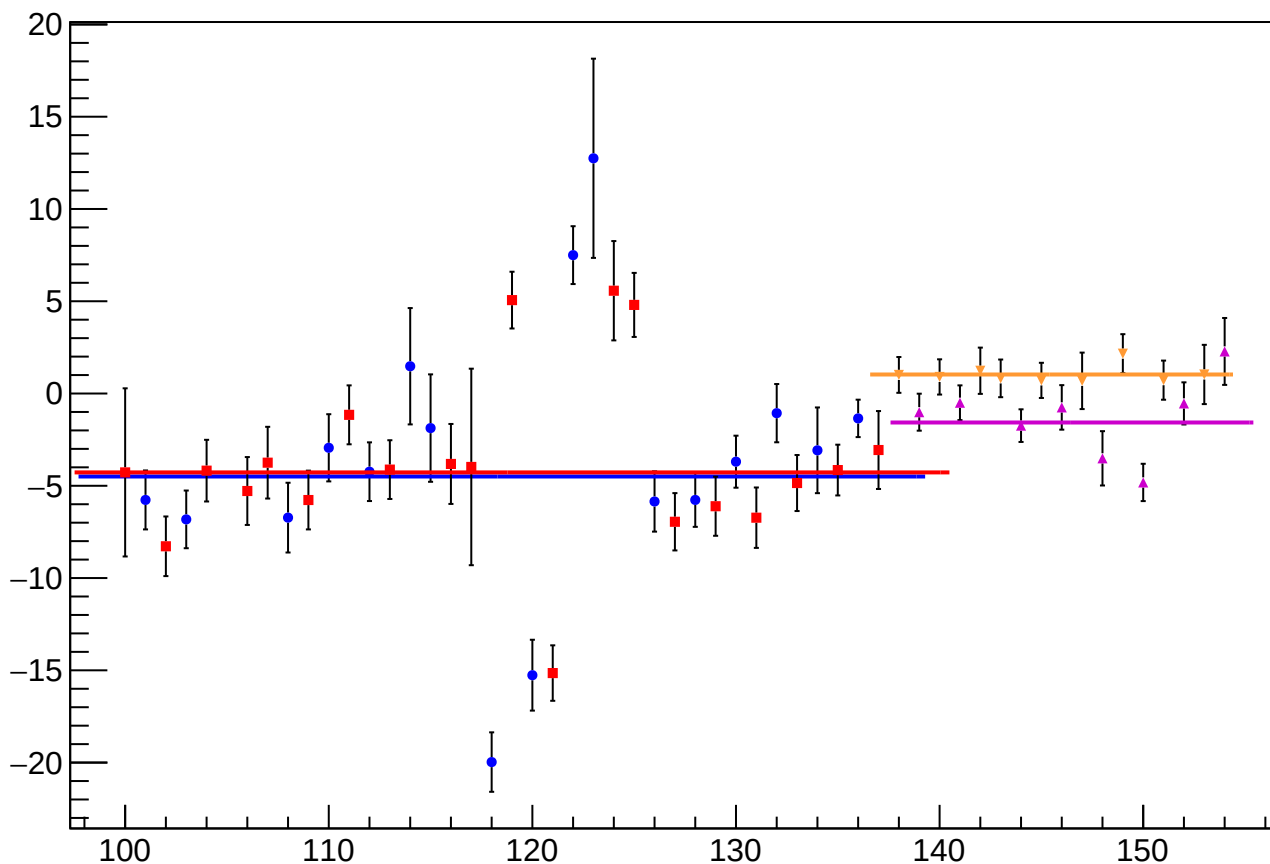
Left In: 10860.926+/-3.026 χ^2/NDF : 57690.0/7

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

10177.591+/-1.399 χ^2/NDF : 828037.3/53

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

diff_bpm0l07Y_mean vs Slug, Sign Corrected



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

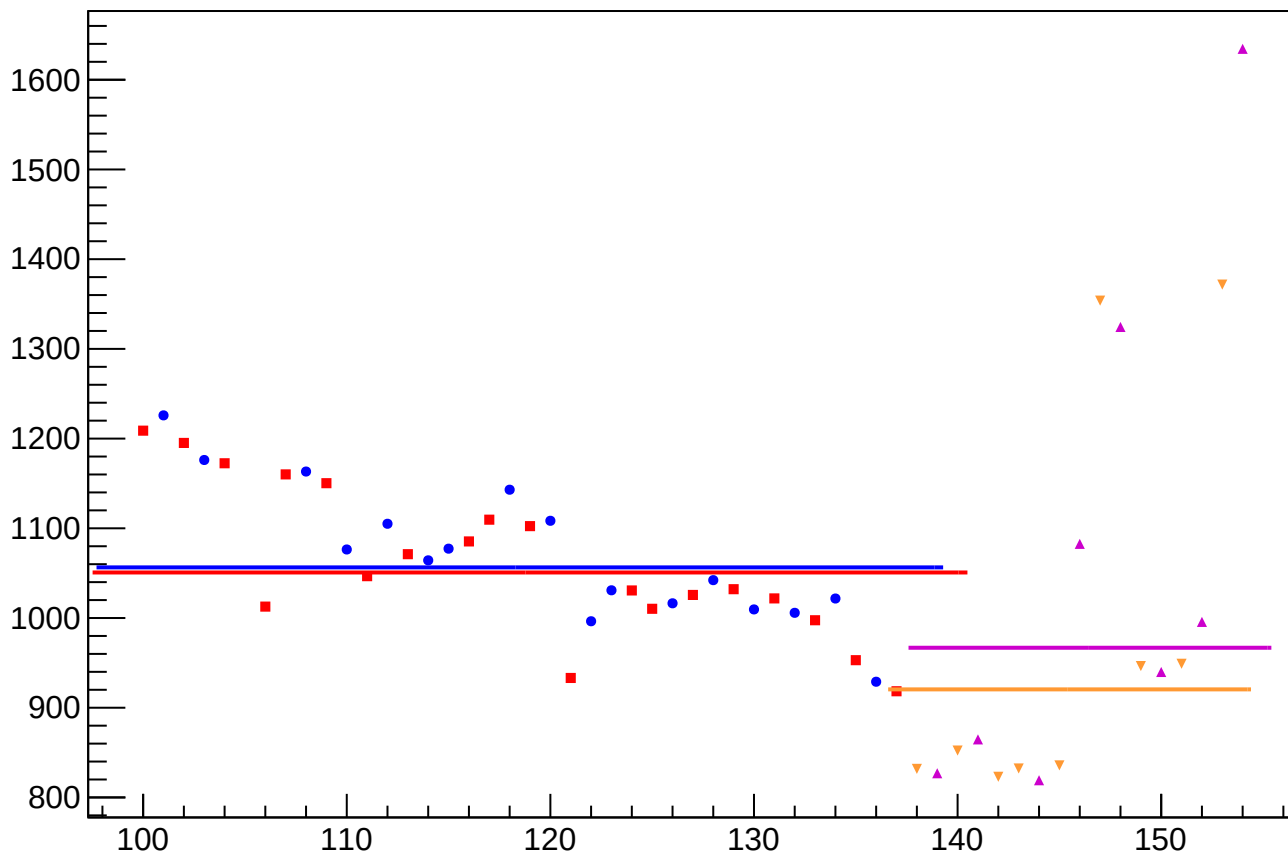
Left In: -1.571±/0.389 χ^2/NDF : 19.5/7

-1.434±/0.273 χ^2/NDF : 321.5/25

-2.162±/0.194 χ^2/NDF : 527.6/53

-2.910±/0.276 χ^2/NDF : 191.7/27

diff_bpm0l07Y_rms vs Slug, Sign Corrected



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

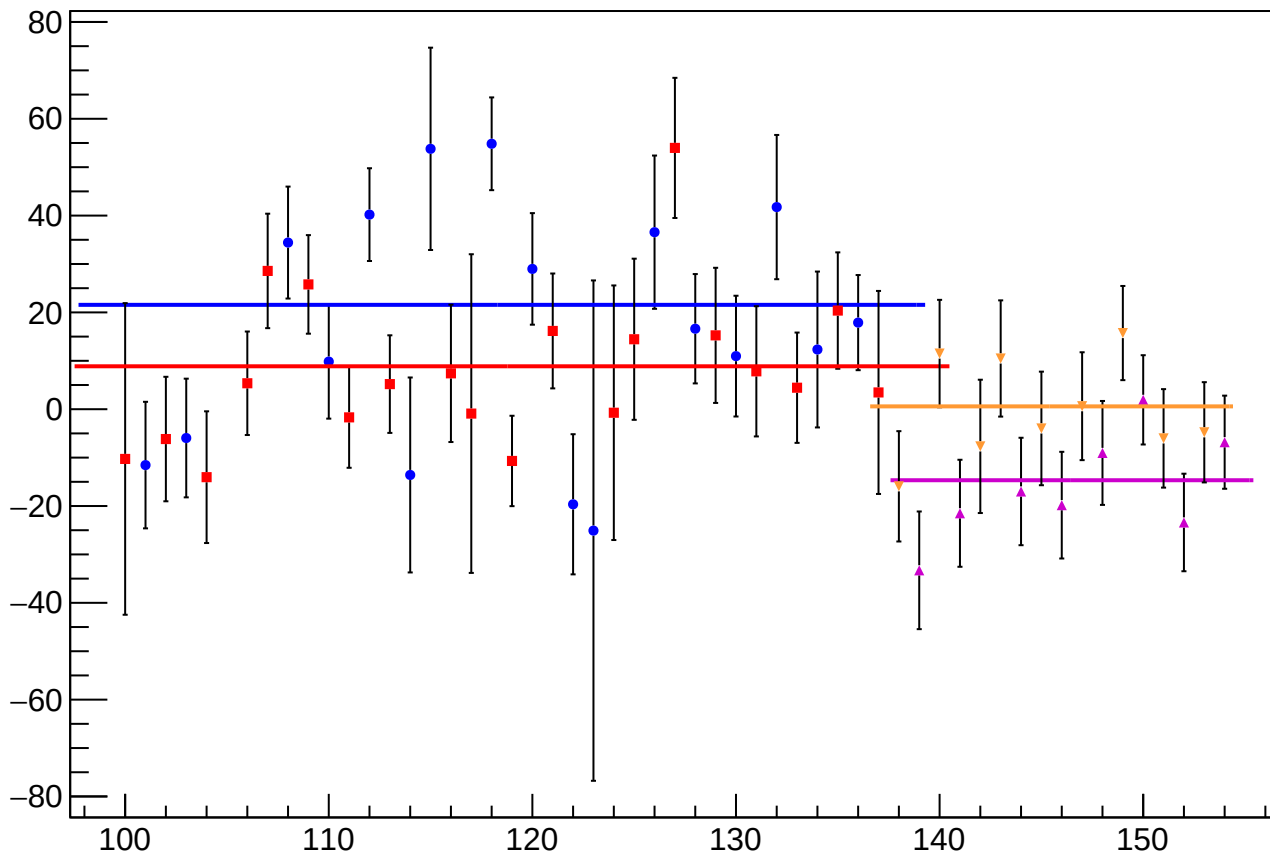
Left In: 966.855 +/- 0.275 χ^2/NDF : 528763.8/7

981.091 +/- 0.193 χ^2/NDF : 604492.8/25

994.559 +/- 0.137 χ^2/NDF : 1271861.9/53

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

diff_bpm0l08X_mean vs Slug, Sign Corrected



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

Left Out: 0.584 $\pm$ 3.704 χ^2/NDF : 7.4/8

Right Out: 8.867 $\pm$ 2.901 χ^2/NDF : 27.5/19

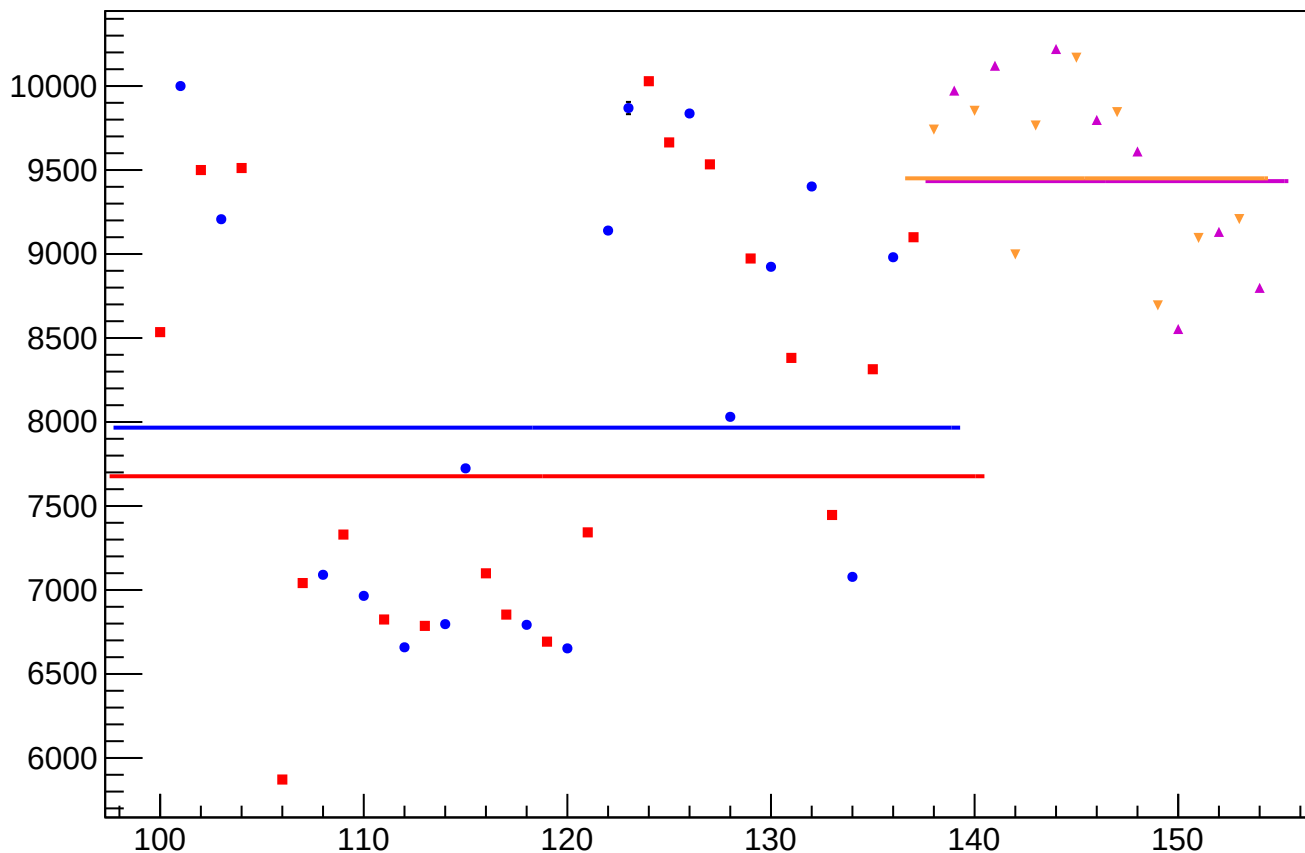
Left In: -14.673 $\pm$ 3.716 χ^2/NDF : 7.9/7

12.885 $\pm$ 2.382 χ^2/NDF : 74.6/25

6.157 $\pm$ 1.649 χ^2/NDF : 150.3/53

-0.044 $\pm$ 2.287 χ^2/NDF : 60.4/27

diff_bpm0l08X_rms vs Slug, Sign Corrected



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

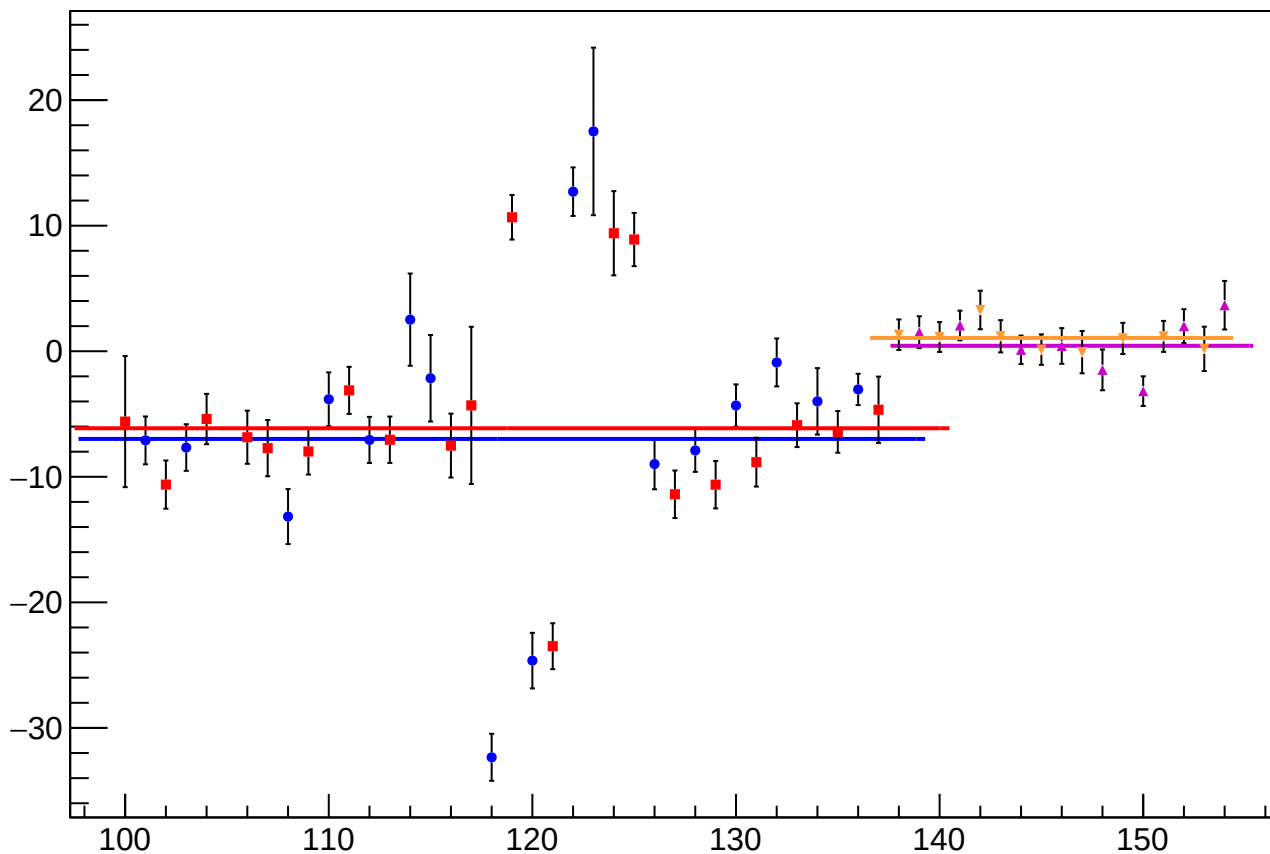
Left In: 9433.858 $\pm$ 2.628 χ^2/NDF : 53168.3/7

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

8456.277 $\pm$ 1.166 χ^2/NDF : 1175602.7/53

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

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -6.984 ± 0.486 $\chi^2/\text{NDF}: 408.5/16$

Left Out: 1.059 ± 0.444 $\chi^2/\text{NDF}: 3.5/8$

Right Out: -6.135 ± 0.465 $\chi^2/\text{NDF}: 277.6/19$

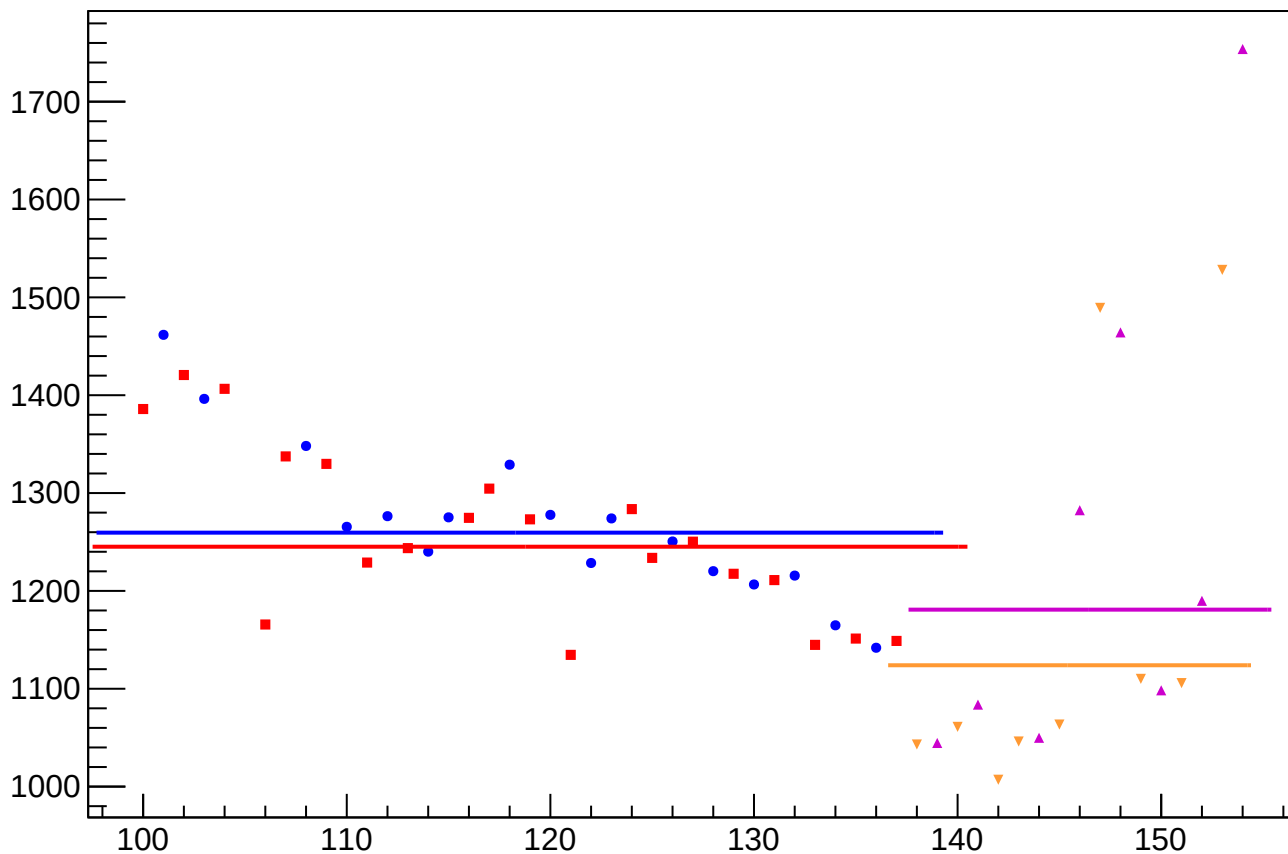
Left In: 0.434 ± 0.470 $\chi^2/\text{NDF}: 17.6/7$

-2.598 ± 0.328 $\chi^2/\text{NDF}: 561.2/25$

-2.739 ± 0.233 $\chi^2/\text{NDF}: 955.3/53$

-2.883 ± 0.331 $\chi^2/\text{NDF}: 393.8/27$

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1259.531 $\pm$ 0.344 χ^2/NDF : 64844.4/16

Left Out: 1124.008 $\pm$ 0.314 χ^2/NDF : 237924.4/8

Right Out: 1245.167 $\pm$ 0.329 χ^2/NDF : 67006.8/19

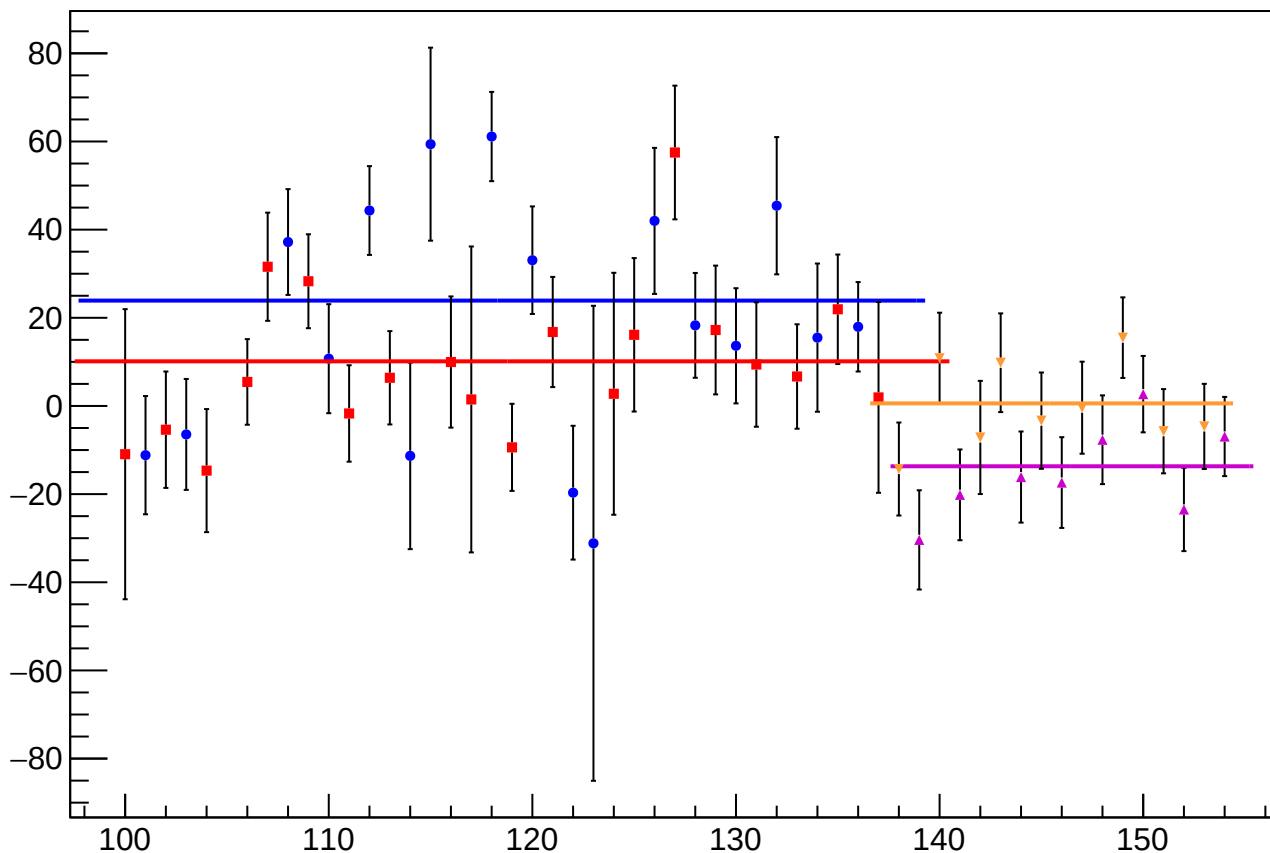
Left In: 1180.846 $\pm$ 0.332 χ^2/NDF : 319525.2/7

1185.625 $\pm$ 0.232 χ^2/NDF : 387516.7/25

1199.355 $\pm$ 0.165 χ^2/NDF : 800040.3/53

1213.328 $\pm$ 0.234 χ^2/NDF : 405444.7/27

diff_bpm0l09X_mean vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 28.0/19$

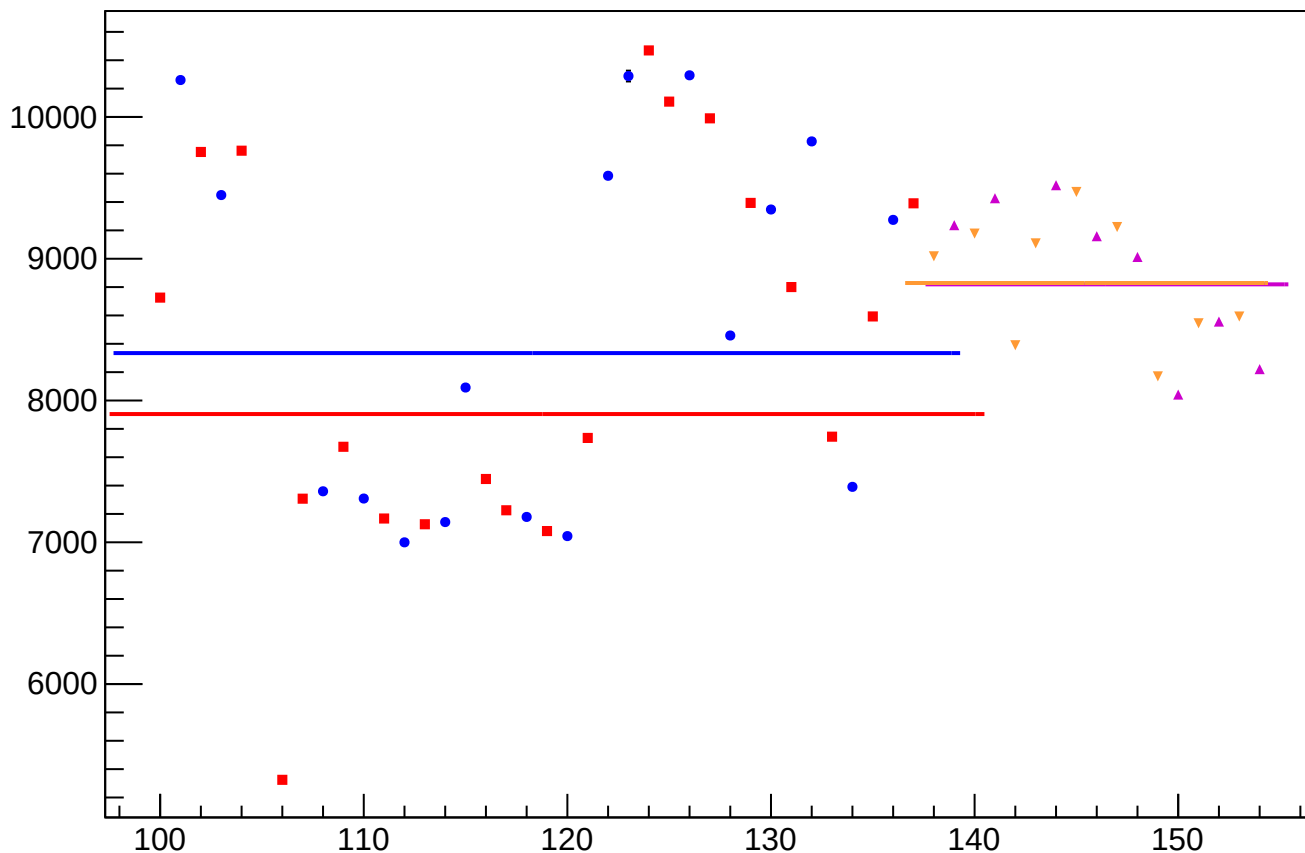
Left In: -13.684 ± 3.473 $\chi^2/\text{NDF}: 8.3/7$

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

6.189 ± 1.638 $\chi^2/\text{NDF}: 163.1/53$

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

diff_bpm0l09X_rms vs Slug, Sign Corrected



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

Left Out: 8828.838 +/- 2.446 χ^2/NDF : 29611.0/8

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

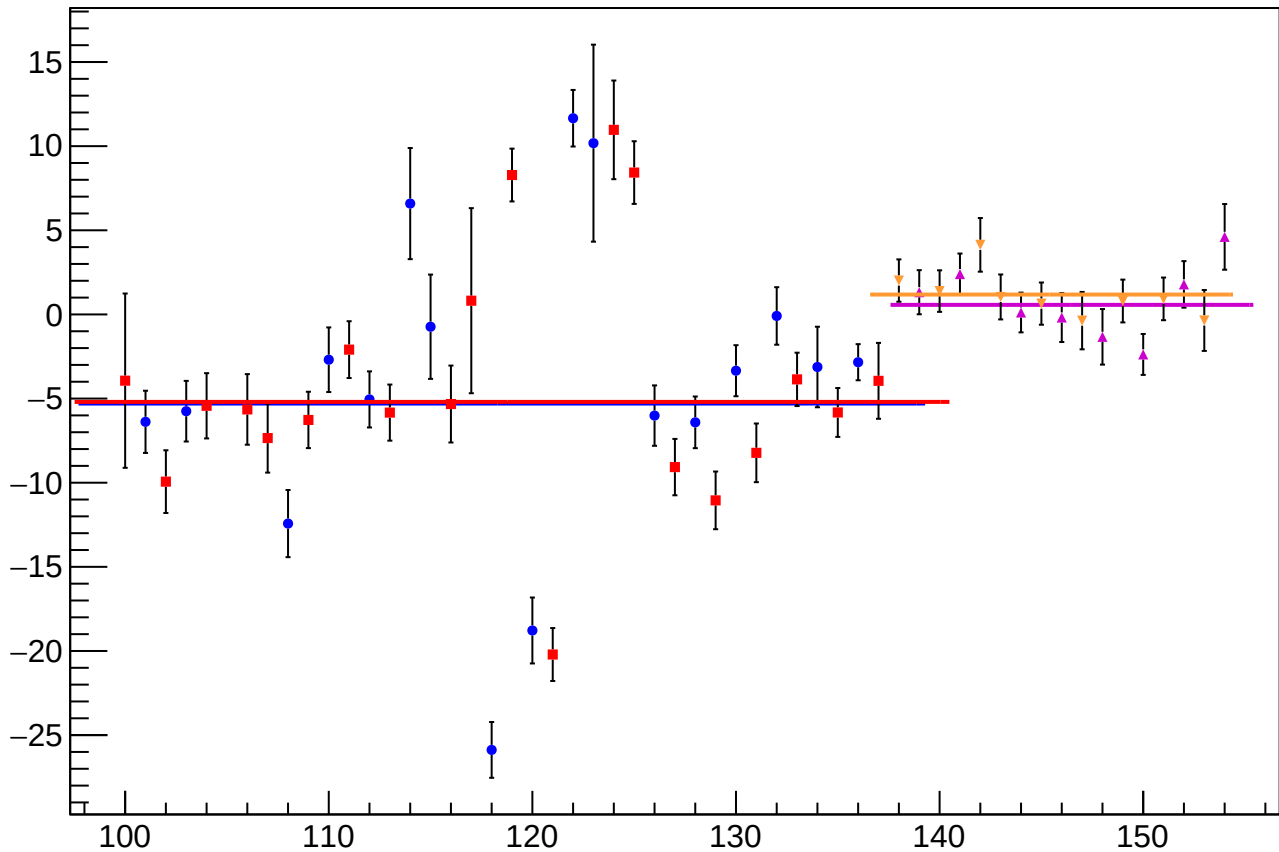
Left In: 8819.318 +/- 2.456 χ^2/NDF : 48258.5/7

8566.314 +/- 1.675 χ^2/NDF : 323603.3/25

8424.523 +/- 1.158 χ^2/NDF : 856771.3/53

8294.558 +/- 1.604 χ^2/NDF : 519434.3/27

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.295 $\pm$ 0.437 χ^2/NDF : 358.1/16

Left Out: 1.181 $\pm$ 0.458 χ^2/NDF : 5.8/8

Right Out: -5.198 $\pm$ 0.420 χ^2/NDF : 283.1/19

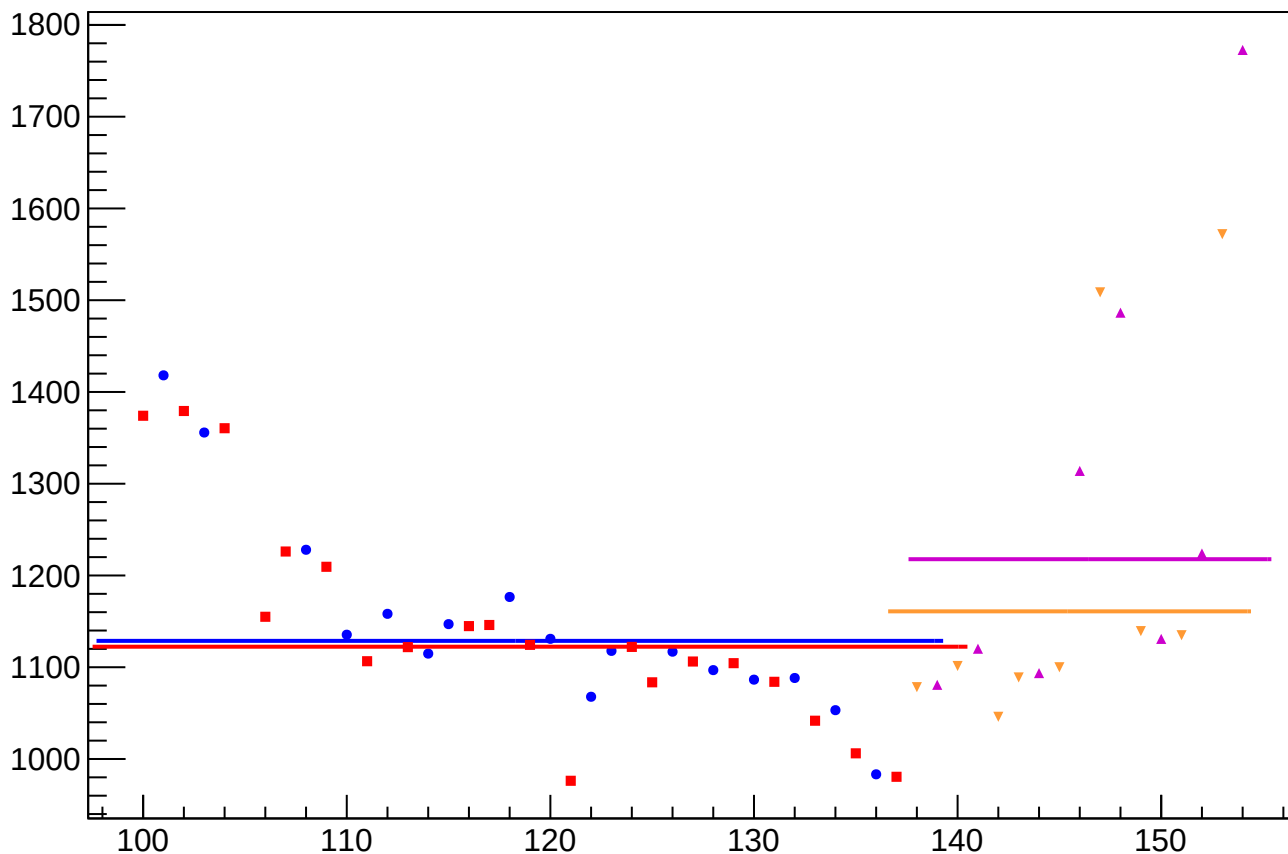
Left In: 0.568 $\pm$ 0.484 χ^2/NDF : 15.2/7

-2.209 $\pm$ 0.316 χ^2/NDF : 468.6/25

-2.462 $\pm$ 0.224 χ^2/NDF : 849.2/53

-2.717 $\pm$ 0.317 χ^2/NDF : 379.2/27

diff_bpm0l09Y_rms vs Slug, Sign Corrected



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

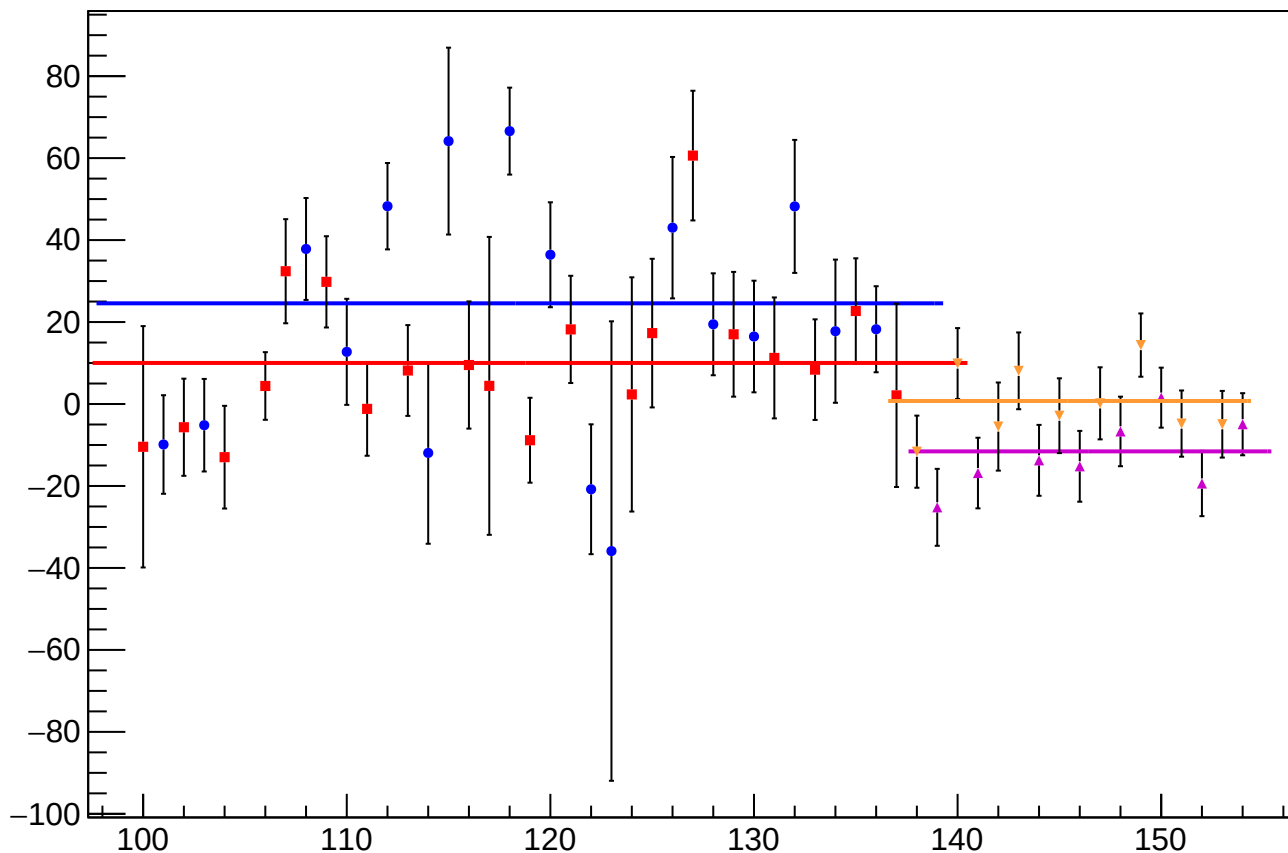
Left In: 1217.743 ± 0.342 χ^2/NDF : 290396.5/7

1144.064 ± 0.224 χ^2/NDF : 360252.6/25

1153.694 ± 0.158 χ^2/NDF : 828283.7/53

1163.401 ± 0.224 χ^2/NDF : 464303.9/27

diff_bpm0l10X_mean vs Slug, Sign Corrected



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

Left Out: 0.741 $\pm$ 2.905 χ^2/NDF : 8.3/8

Right Out: 10.019 $\pm$ 2.997 χ^2/NDF : 28.8/19

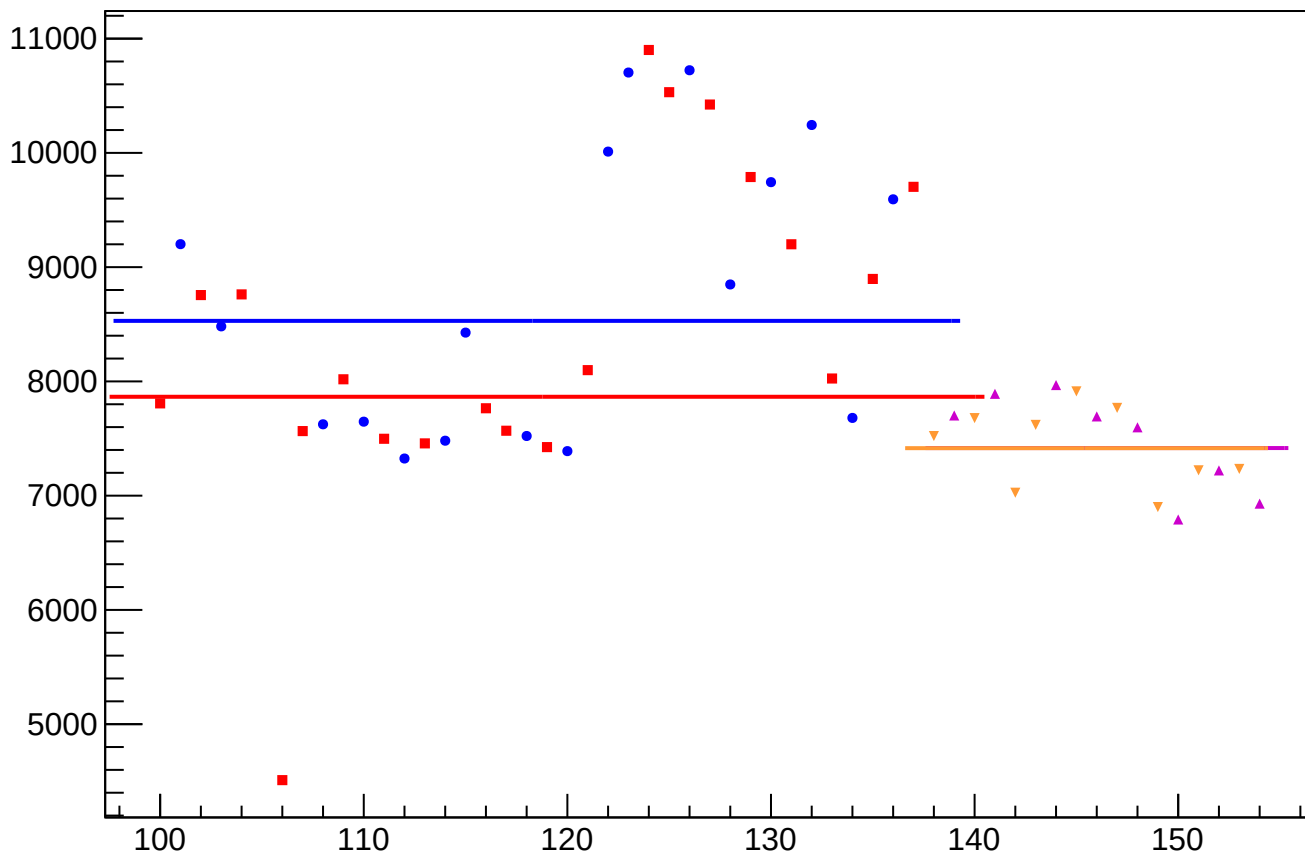
Left In: -11.558 $\pm$ 2.920 χ^2/NDF : 8.0/7

11.079 $\pm$ 2.186 χ^2/NDF : 95.6/25

4.746 $\pm$ 1.511 χ^2/NDF : 175.1/53

-1.052 $\pm$ 2.092 χ^2/NDF : 63.4/27

diff_bpm0l10X_rms vs Slug, Sign Corrected



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

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

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

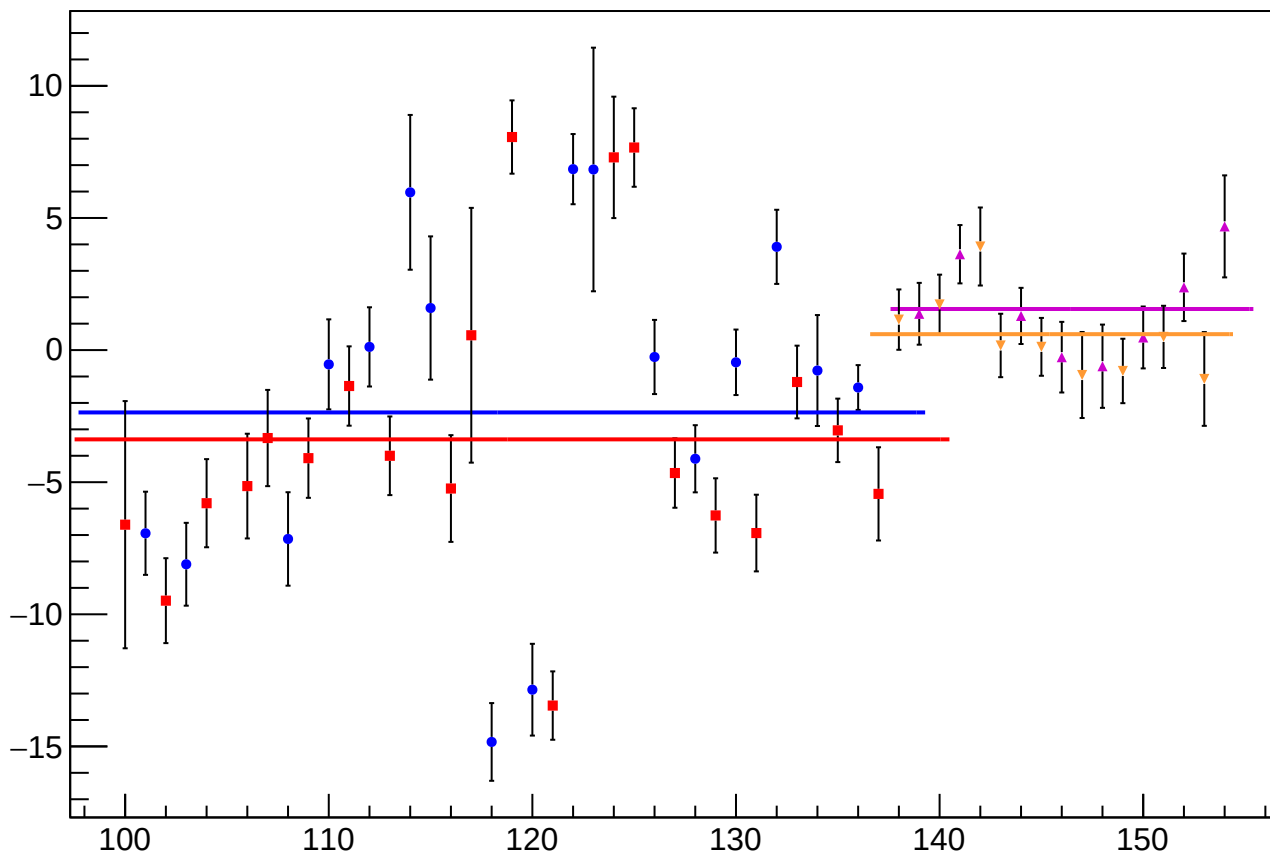
7761.366 +/- 1.069 χ^2/NDF : 999141.6/53

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, Sign Corrected



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

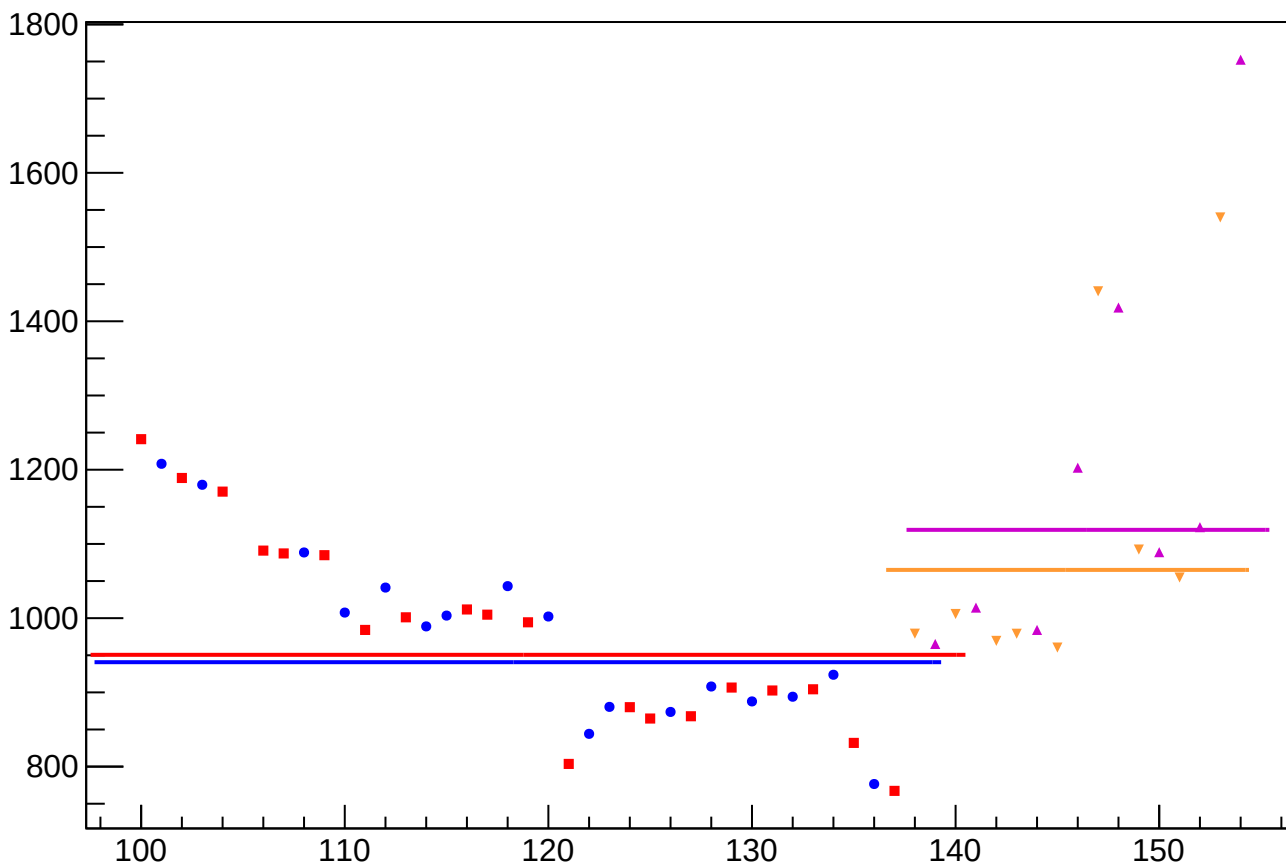
Left In: 1.555 ± 0.447 χ^2/NDF : 11.2/7

-1.088 ± 0.276 χ^2/NDF : 269.9/25

-1.270 ± 0.196 χ^2/NDF : 598.5/53

-1.455 ± 0.279 χ^2/NDF : 327.8/27

diff_bpm0l10Y_rms vs Slug, Sign Corrected



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

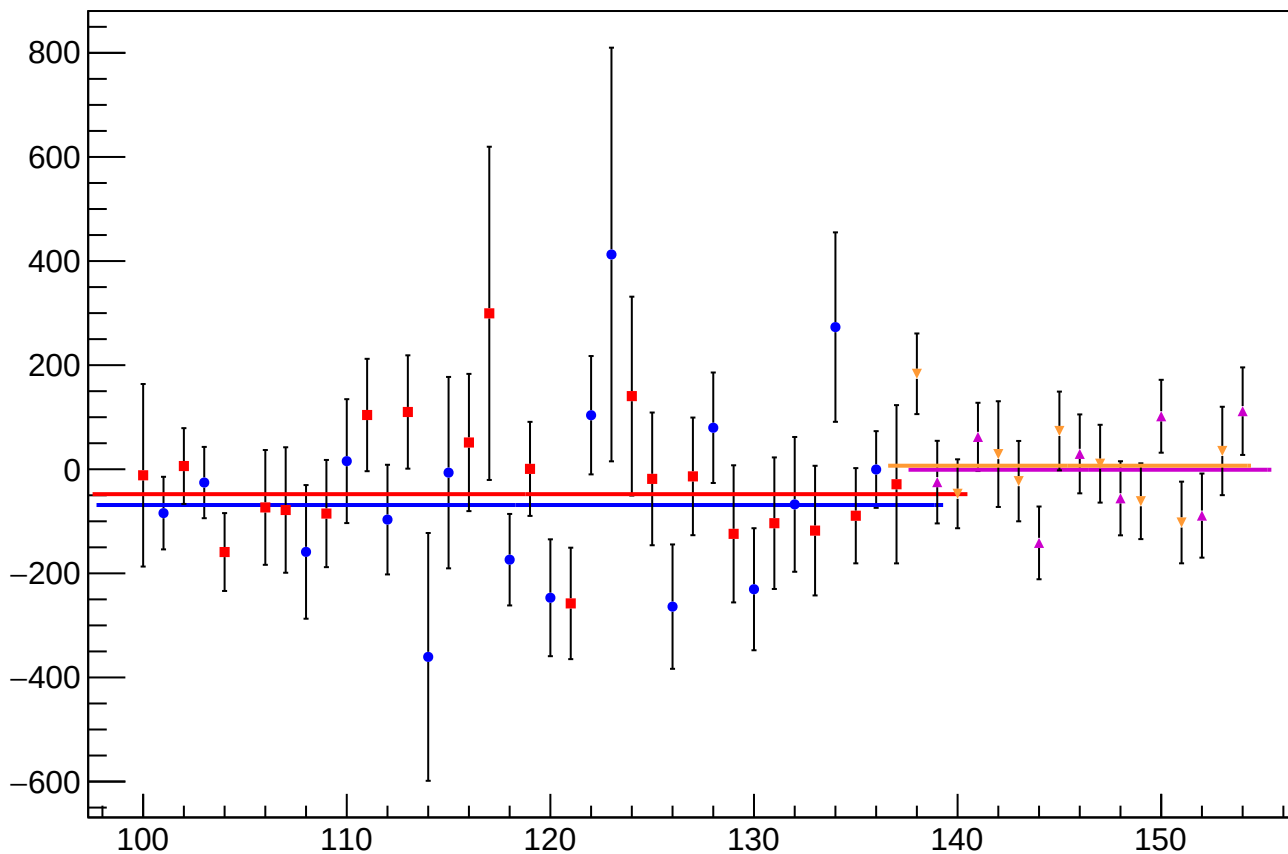
Left In: 1118.992+/-0.316 χ^2/NDF : 381484.7/7

994.065+/-0.195 χ^2/NDF : 645628.2/25

1005.058+/-0.139 χ^2/NDF : 1427745.4/53

1016.279+/-0.197 χ^2/NDF : 775712.9/27

diff_bpm0r03X_mean vs Slug, Sign Corrected



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

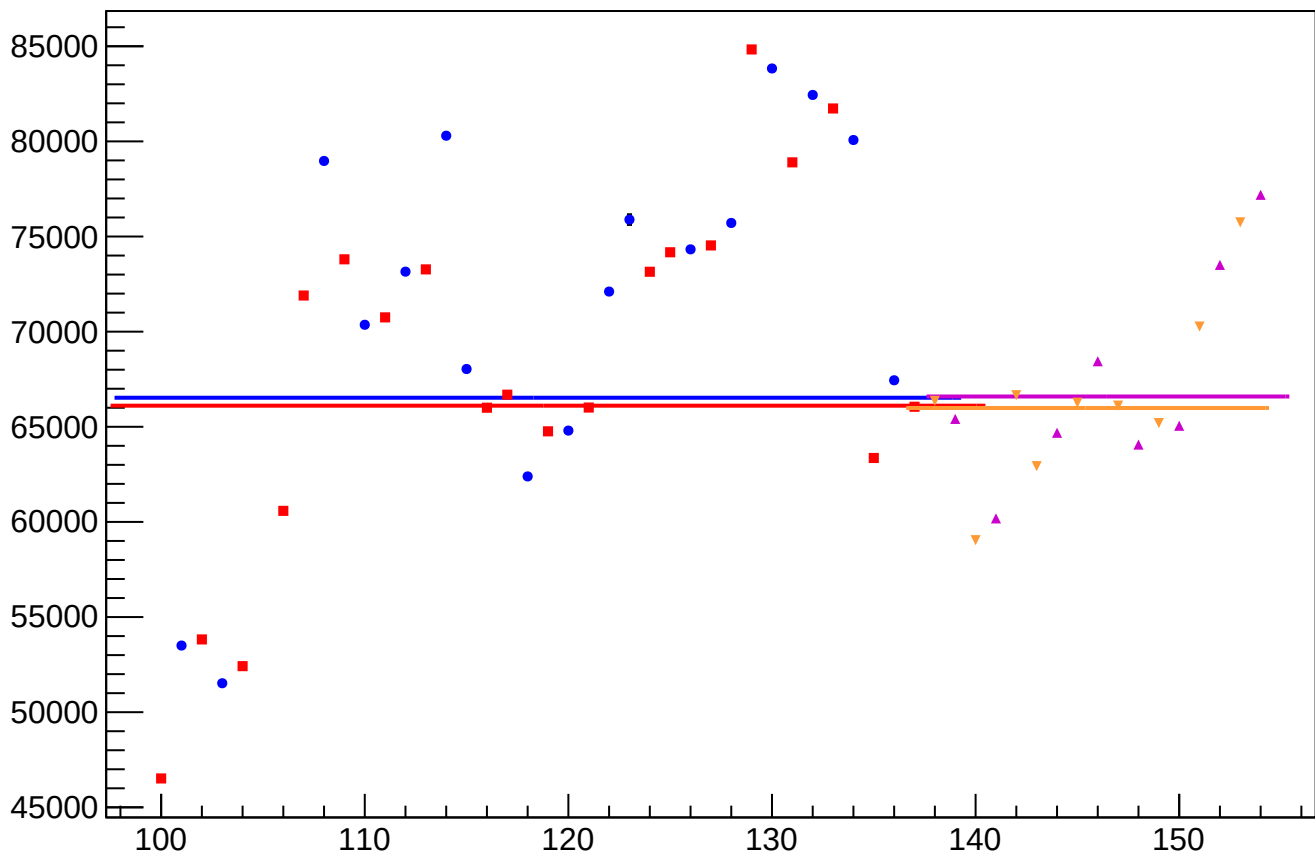
Left In: -0.945 ± 26.116 χ^2/NDF : 10.9/7

-30.709 ± 18.292 χ^2/NDF : 35.8/25

-28.051 ± 12.844 χ^2/NDF : 63.7/53

-25.466 ± 18.038 χ^2/NDF : 27.8/27

diff_bpm0r03X_rms vs Slug, Sign Corrected



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

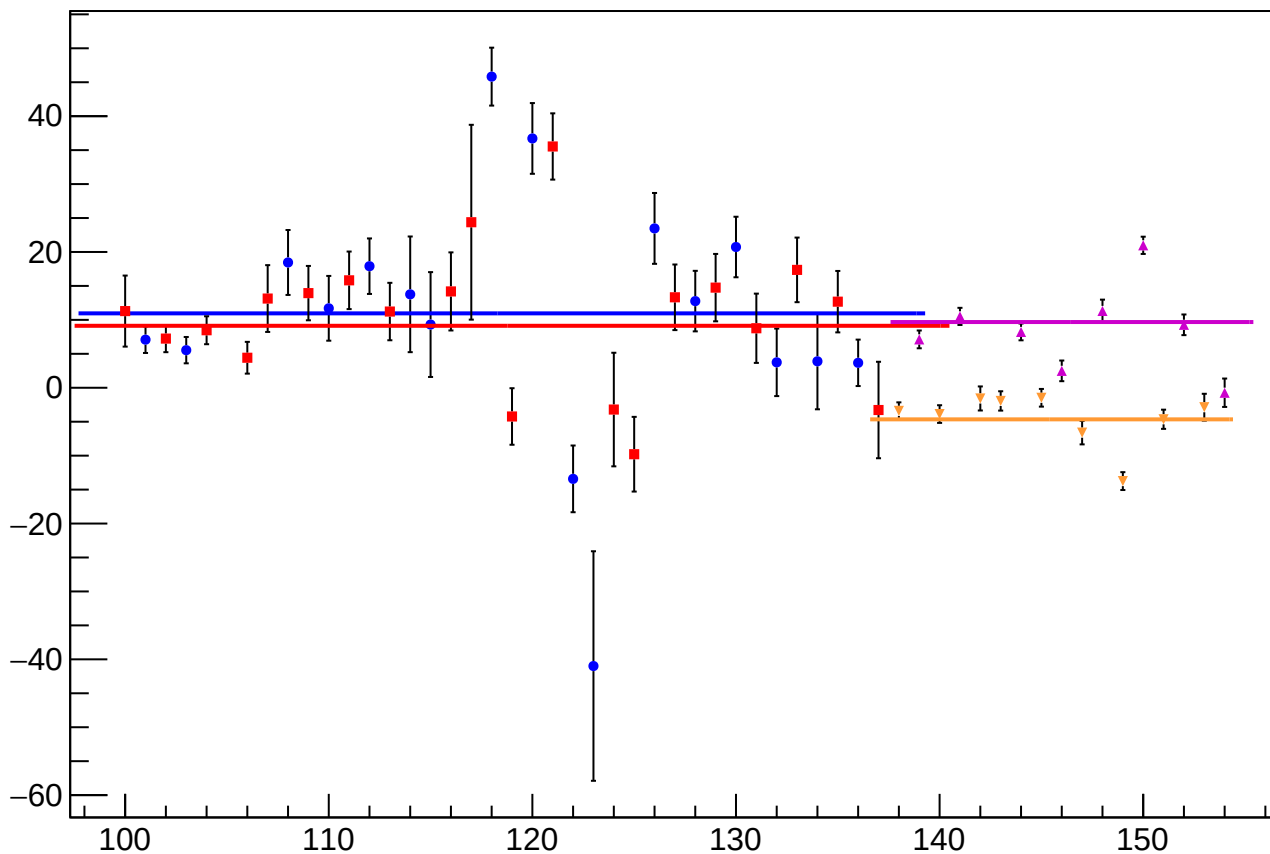
Left In: 66592.439 ± 18.467 χ^2/NDF : 72139.3/7

66256.133 ± 12.935 χ^2/NDF : 379251.3/25

66298.565 ± 9.082 χ^2/NDF : 750261.6/53

66339.824 ± 12.755 χ^2/NDF : 370989.1/27

diff_bpm0r03Y_mean vs Slug, Sign Corrected



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

Left Out: -4.654 ± 0.483 χ^2/NDF : 63.8/8

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

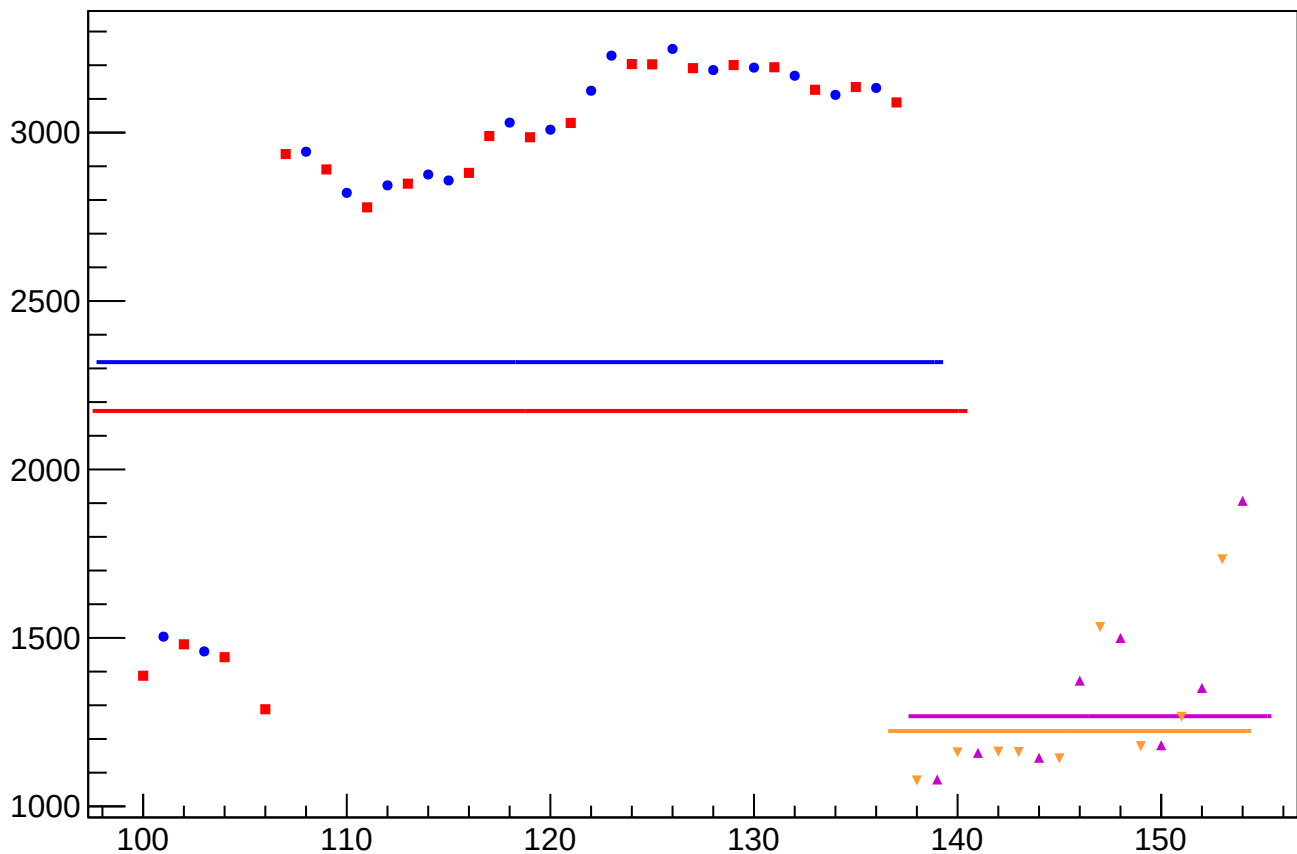
Left In: 9.680 ± 0.504 χ^2/NDF : 132.8/7

-1.415 ± 0.430 χ^2/NDF : 441.9/25

3.990 ± 0.306 χ^2/NDF : 970.0/53

9.540 ± 0.435 χ^2/NDF : 207.4/27

diff_bpm0r03Y_rms vs Slug, Sign Corrected



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

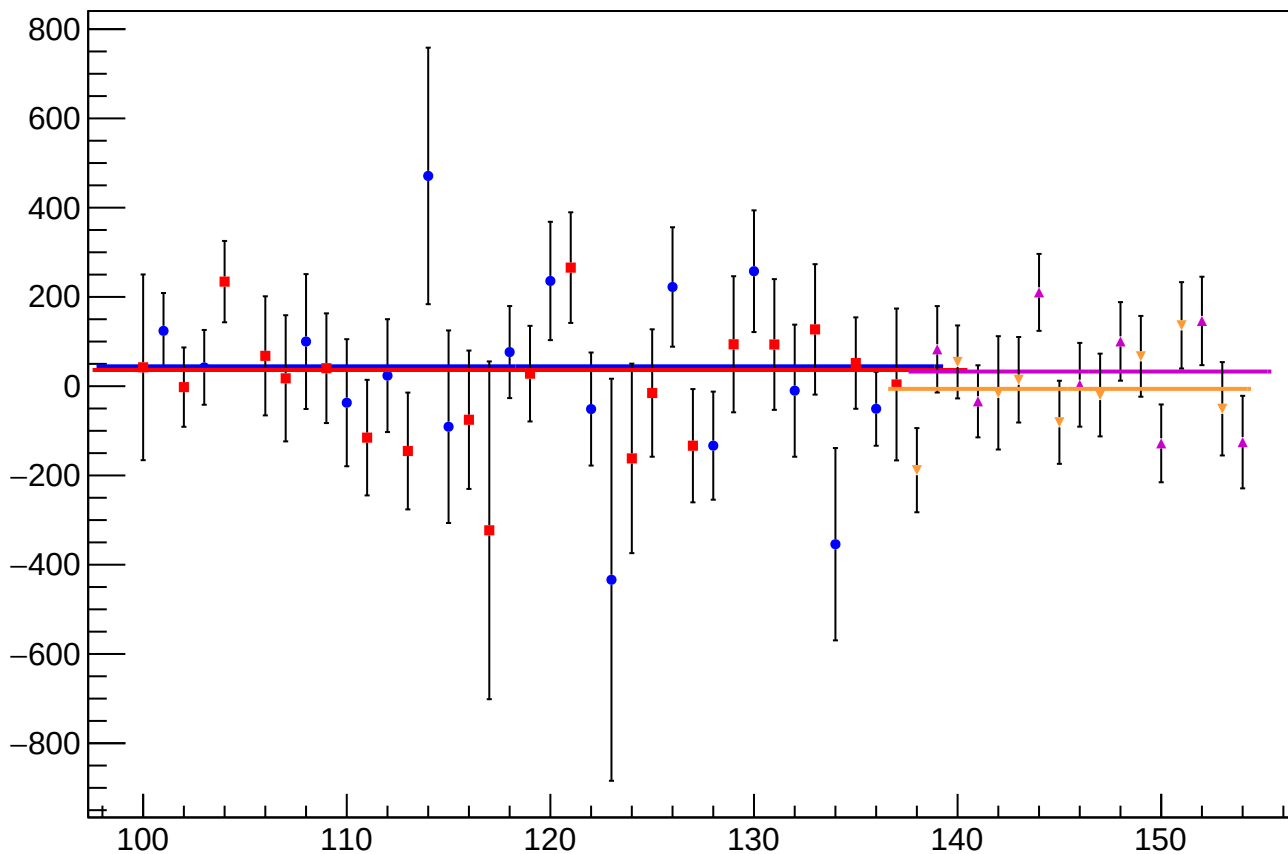
Left In: 1267.527 +/- 0.356 χ^2/NDF : 326700.1/7

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

1473.663 +/- 0.216 χ^2/NDF : 7530063.1/53

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

diff_bpm0r05X_mean vs Slug, Sign Corrected



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

Left Out: -5.990 $\pm$ 31.858 χ^2/NDF : 8.0/8

Right Out: 36.251 $\pm$ 29.346 χ^2/NDF : 16.7/19

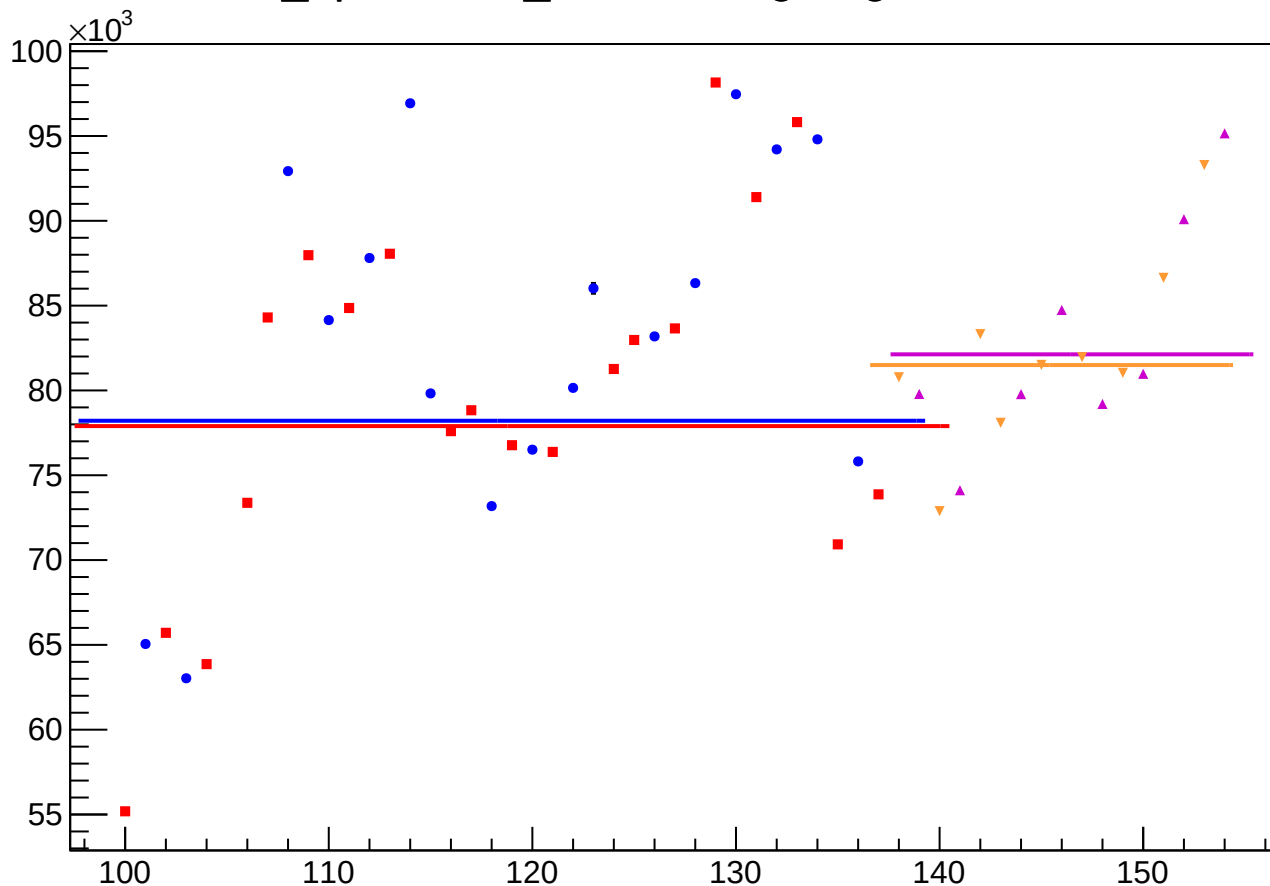
Left In: 32.793 $\pm$ 32.212 χ^2/NDF : 12.9/7

20.402 $\pm$ 22.005 χ^2/NDF : 28.4/25

27.644 $\pm$ 15.449 χ^2/NDF : 58.2/53

34.683 $\pm$ 21.693 χ^2/NDF : 29.6/27

diff_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 78213.025 ± 21.519 $\chi^2/\text{NDF}: 251056.7/16$

Left Out: 81496.383 ± 22.527 $\chi^2/\text{NDF}: 56433.3/8$

Right Out: 77897.594 ± 20.751 $\chi^2/\text{NDF}: 246982.5/19$

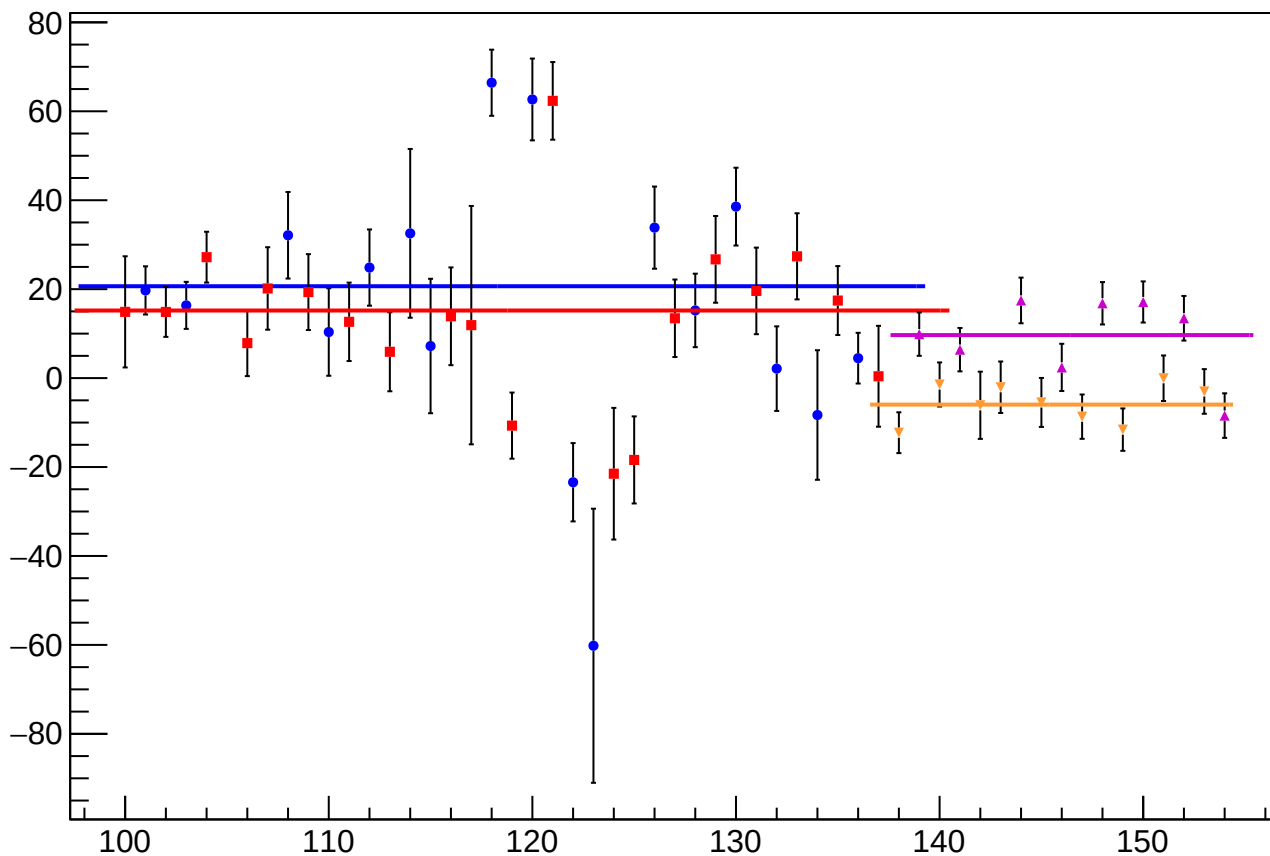
Left In: 82128.020 ± 22.777 $\chi^2/\text{NDF}: 70963.4/7$

79779.557 ± 15.560 $\chi^2/\text{NDF}: 318597.9/25$

79798.199 ± 10.924 $\chi^2/\text{NDF}: 655396.9/5$

79816.315 ± 15.340 $\chi^2/\text{NDF}: 336796.2/27$

diff_bpm0r05Y_mean vs Slug, Sign Corrected



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

Left Out: -5.958 $\pm$ 1.739 χ^2/NDF : 6.6/8

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

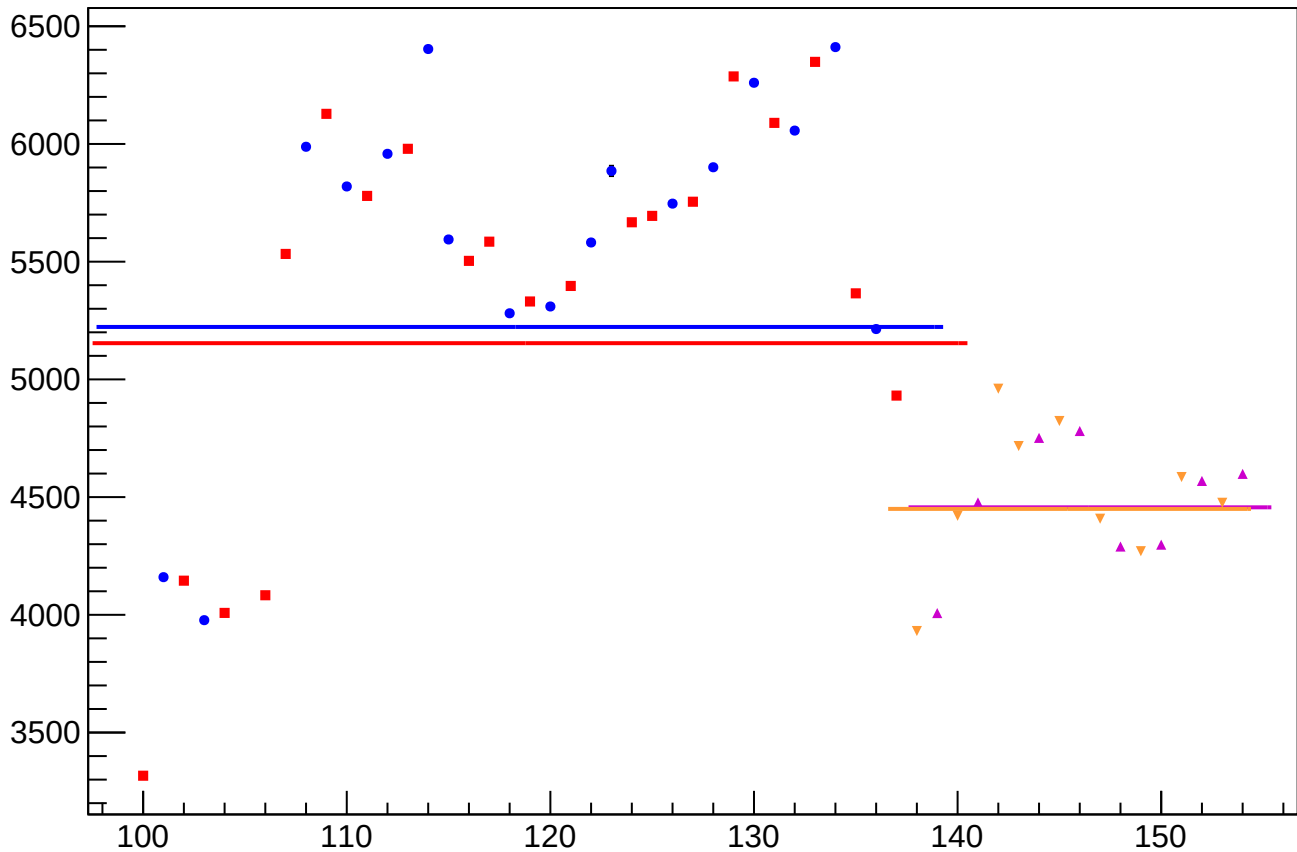
Left In: 9.673 $\pm$ 1.746 χ^2/NDF : 23.1/7

5.271 $\pm$ 1.322 χ^2/NDF : 223.1/25

8.758 $\pm$ 0.927 χ^2/NDF : 335.7/53

12.133 $\pm$ 1.301 χ^2/NDF : 98.9/27

diff_bpm0r05Y_rms vs Slug, Sign Corrected



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

Left Out: 4449.907 ± 1.230 χ^2/NDF : 52634.6/8

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

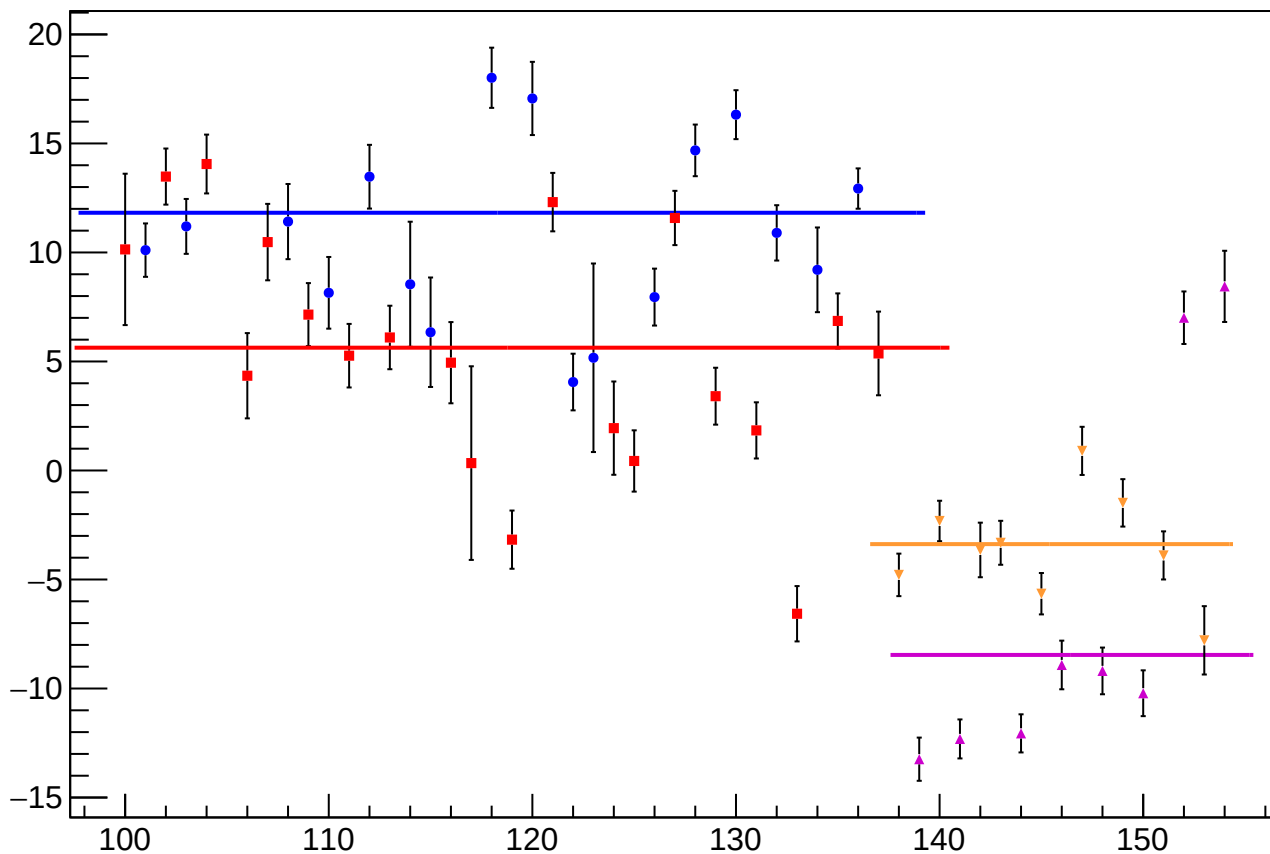
Left In: 4456.597 ± 1.235 χ^2/NDF : 38504.4/7

4775.960 ± 0.935 χ^2/NDF : 531760.2/25

4771.411 ± 0.656 χ^2/NDF : 1100439.1/53

4767.008 ± 0.920 χ^2/NDF : 568632.3/27

diff_bpm2i01X_mean vs Slug, Sign Corrected



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

Left Out: -3.377+/-0.357 χ^2 /NDF: 35.4/8

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

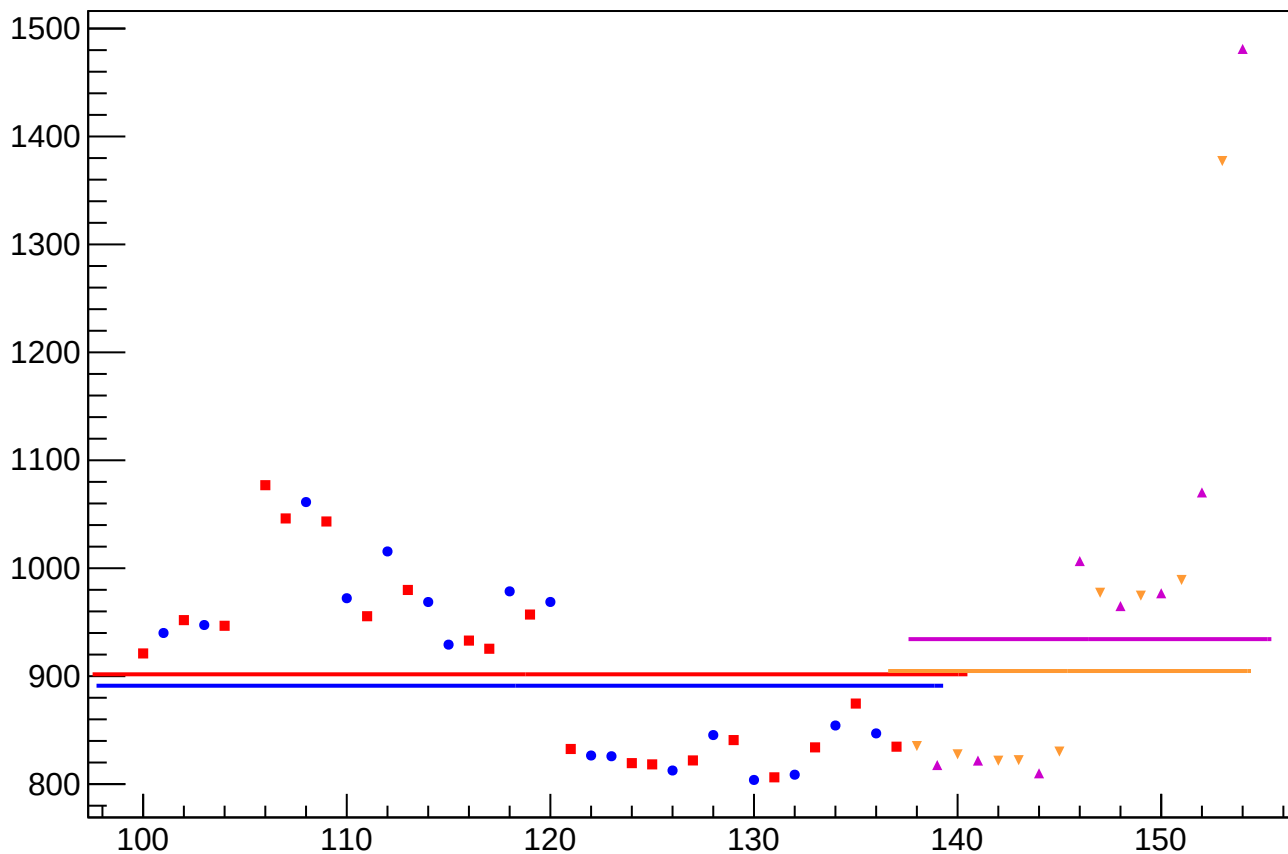
Left In: -8.460+/-0.372 χ^2 /NDF: 334.3/7

4.495+/-0.248 χ^2 /NDF: 1090.6/25

1.904+/-0.176 χ^2 /NDF: 2733.5/53

-0.729+/-0.250 χ^2 /NDF: 1422.8/27

diff_bpm2i01X_rms vs Slug, Sign Corrected



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

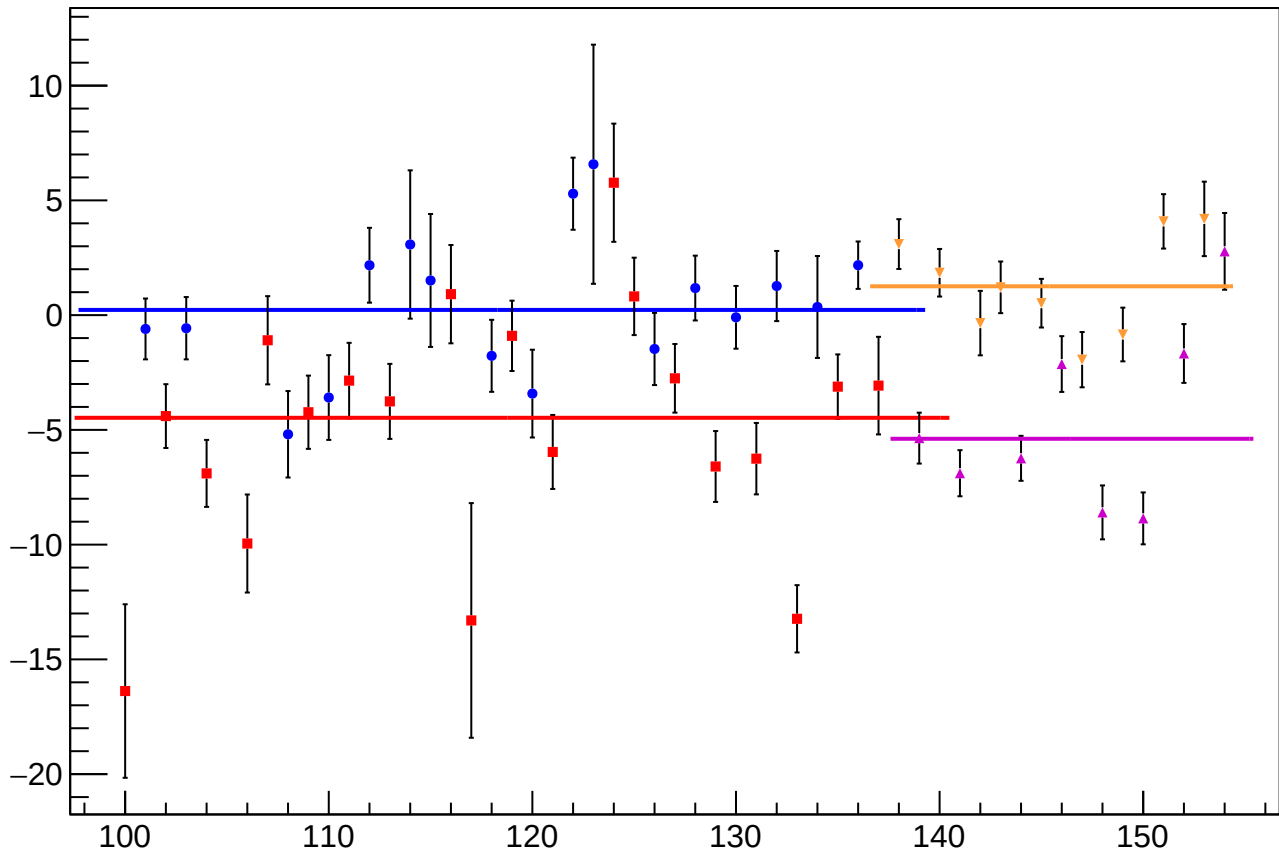
Left In: 934.314+/-0.263 χ^2/NDF : 362879.5/7

897.718+/-0.175 χ^2/NDF : 372044.7/25

907.000+/-0.124 χ^2/NDF : 863641.9/53

916.435+/-0.177 χ^2/NDF : 485945.1/27

diff_bpm2i01Y_mean vs Slug, Sign Corrected



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

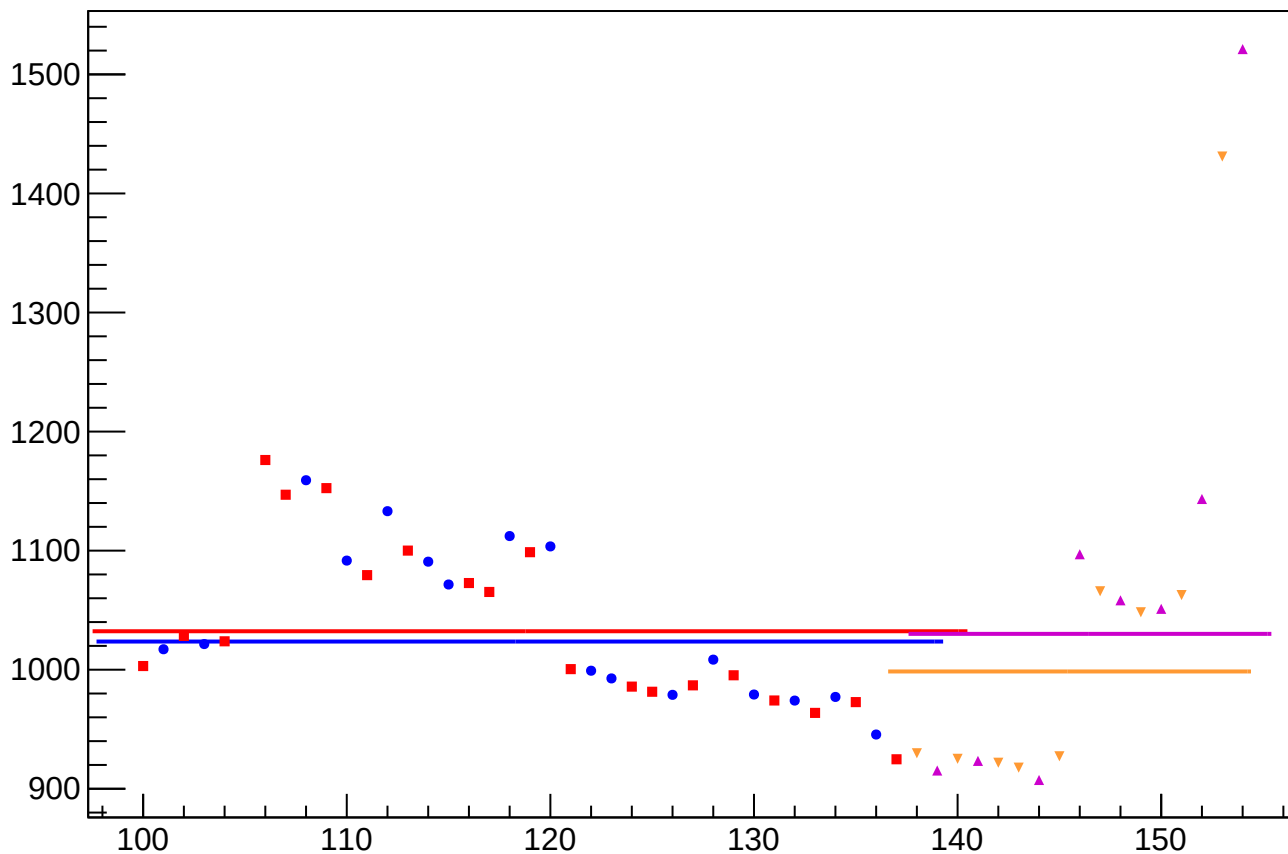
Left In: -5.388 ± 0.408 χ^2/NDF : 59.3/7

0.744 ± 0.279 χ^2/NDF : 66.2/25

-2.062 ± 0.198 χ^2/NDF : 438.7/53

-4.904 ± 0.280 χ^2/NDF : 168.3/27

diff_bpm2i01Y_rms vs Slug, Sign Corrected



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

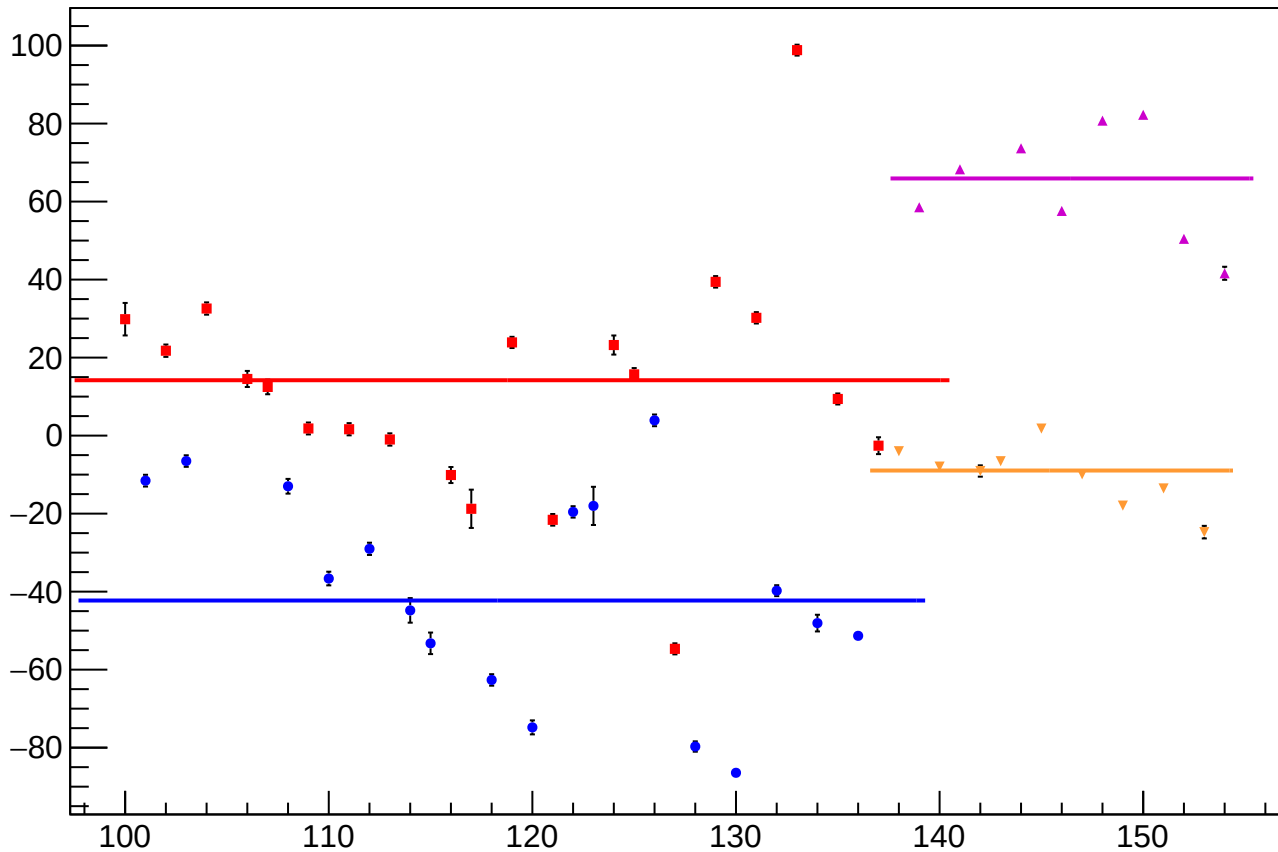
Left In: 1030.095 $\pm$ 0.289 χ^2/NDF : 271407.4/7

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

1021.072 $\pm$ 0.140 χ^2/NDF : 593795.4/53

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

diff_bpm2i02X_mean vs Slug, Sign Corrected



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

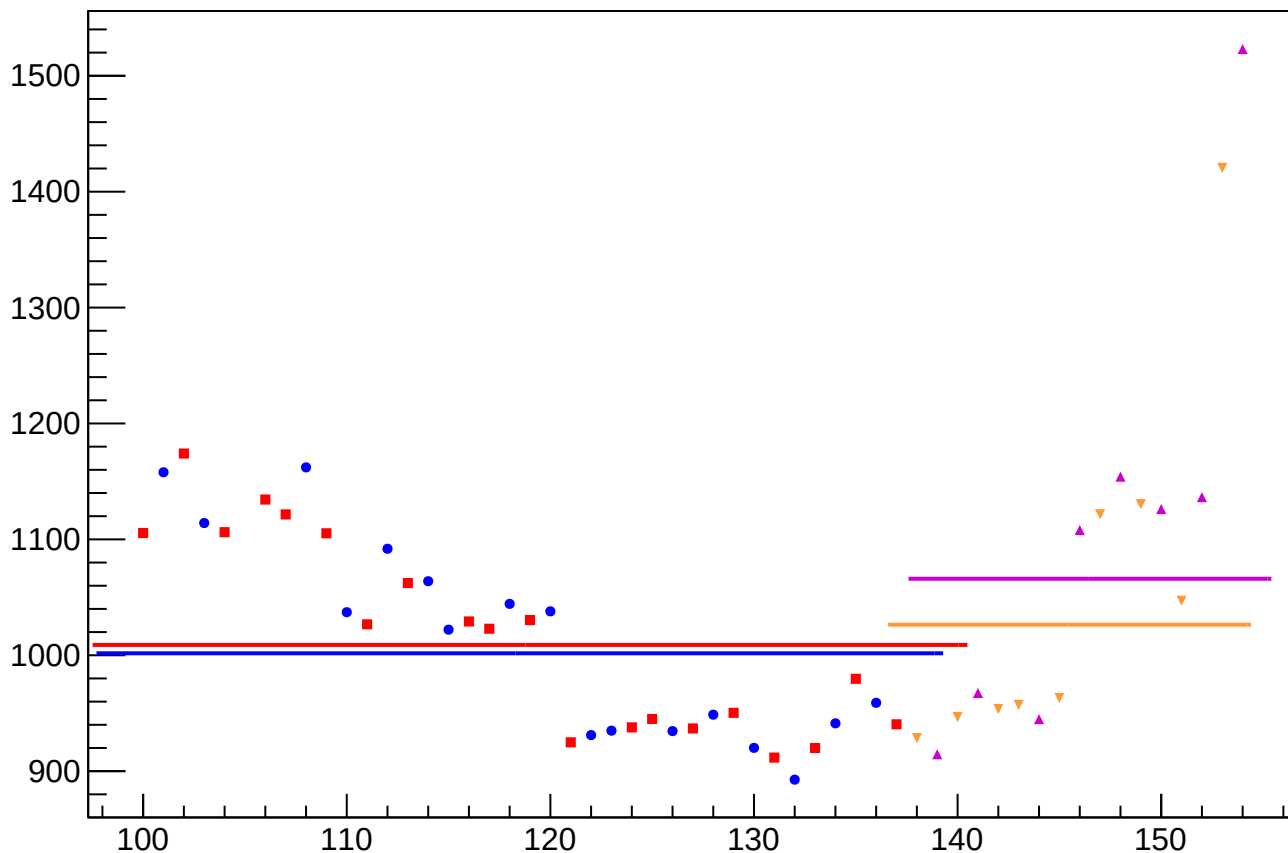
Left In: 65.927 ± 0.422 χ^2/NDF : 826.2/7

-26.311 ± 0.279 χ^2/NDF : 8962.2/25

5.196 ± 0.198 χ^2/NDF : 51460.6/53

37.157 ± 0.281 χ^2/NDF : 16882.7/27

diff_bpm2i02X_rms vs Slug, Sign Corrected



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

Left Out: 1026.381 $\pm$ 0.285 χ^2/NDF : 191102.9/8

Right Out: 1008.931 $\pm$ 0.267 χ^2/NDF : 95366.1/19

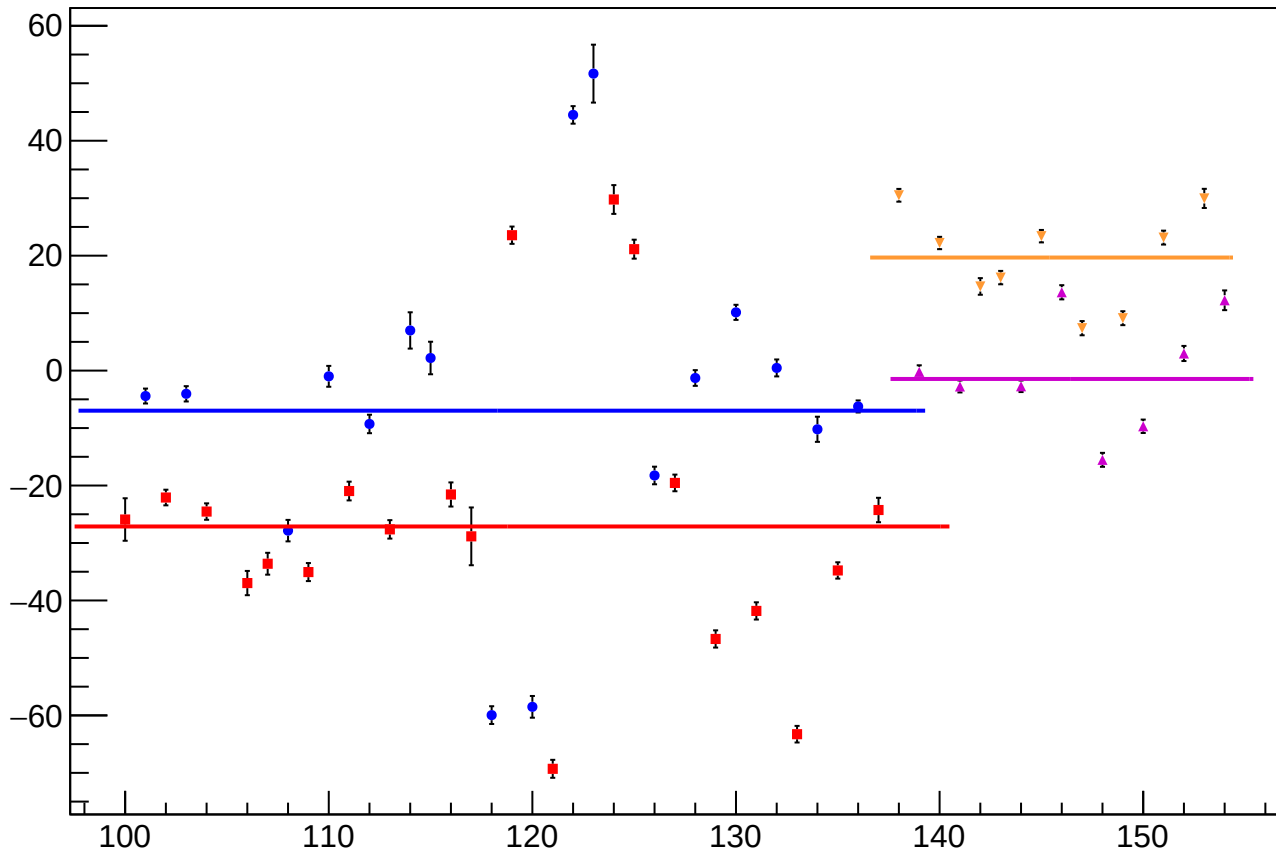
Left In: 1066.014 $\pm$ 0.299 χ^2/NDF : 254598.2/7

1013.528 $\pm$ 0.198 χ^2/NDF : 290475.8/25

1023.823 $\pm$ 0.140 χ^2/NDF : 666225.0/53

1034.267 $\pm$ 0.199 χ^2/NDF : 370279.1/27

diff_bpm2i02Y_mean vs Slug, Sign Corrected



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

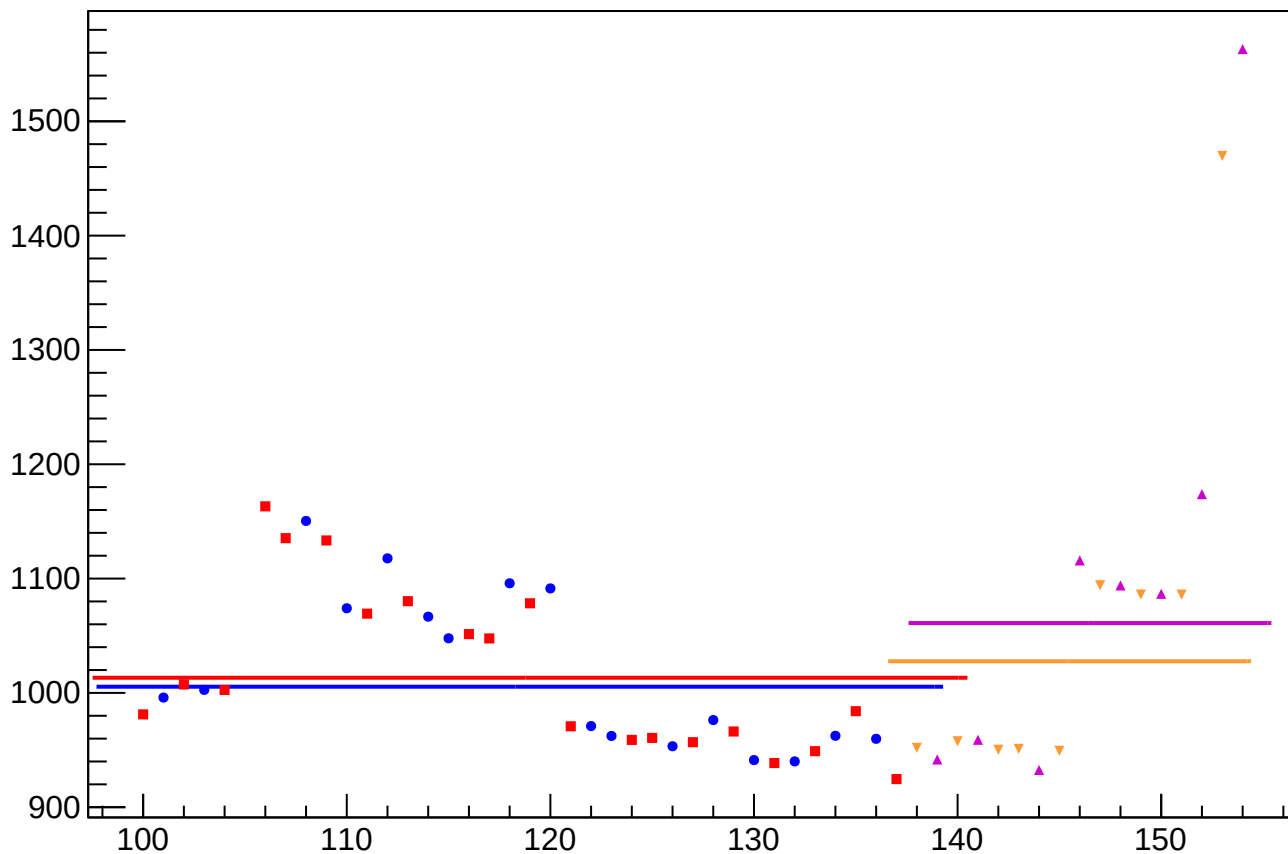
Left In: -1.455+/-0.421 χ^2/NDF : 412.2/7

5.803+/-0.280 χ^2/NDF : 6253.7/25

-4.862+/-0.198 χ^2/NDF : 15926.4/53

-15.636+/-0.281 χ^2/NDF : 6754.5/27

diff_bpm2i02Y_rms vs Slug, Sign Corrected



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

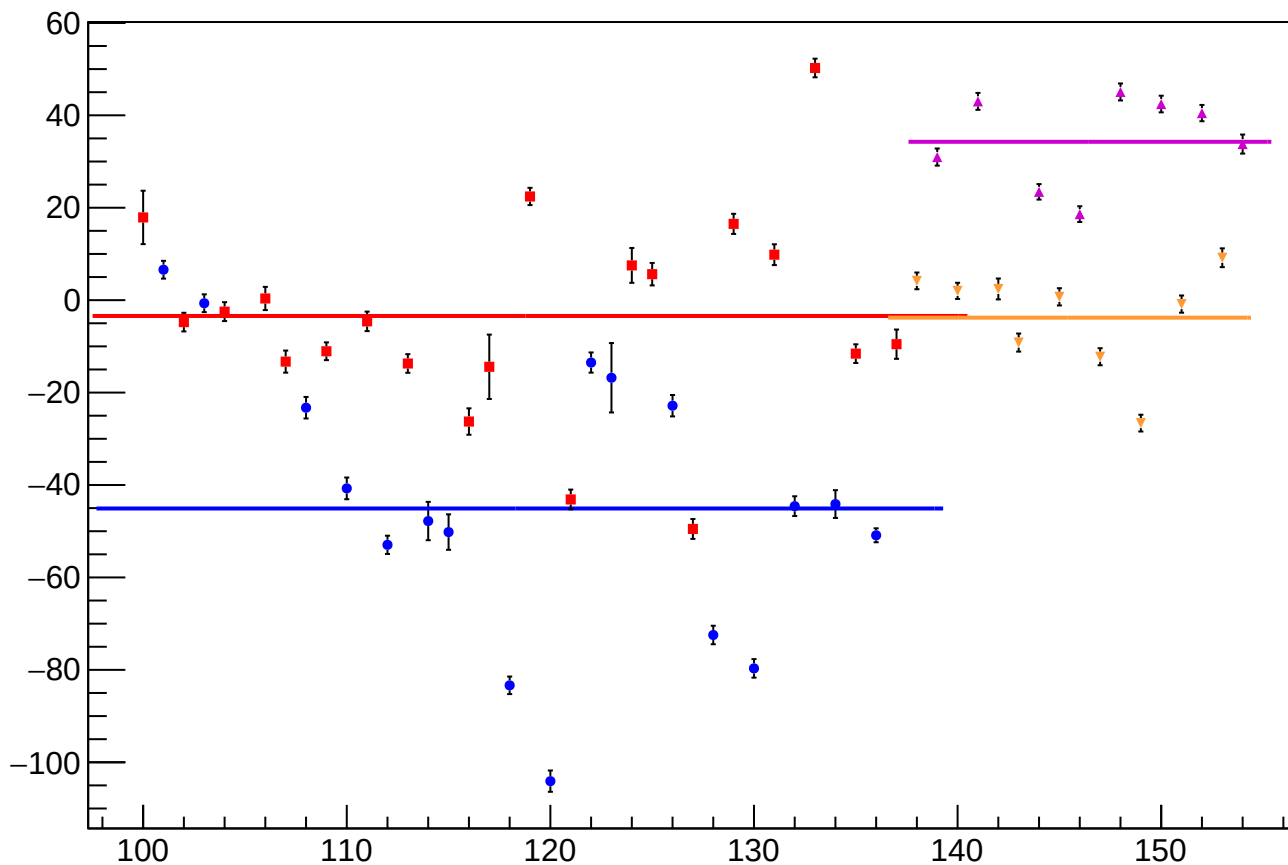
Left In: 1061.101 +/- 0.297 χ^2/NDF : 265509.6/7

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

1025.332 +/- 0.140 χ^2/NDF : 603695.4/53

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

diff_bpm0i02X_mean vs Slug, Sign Corrected



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

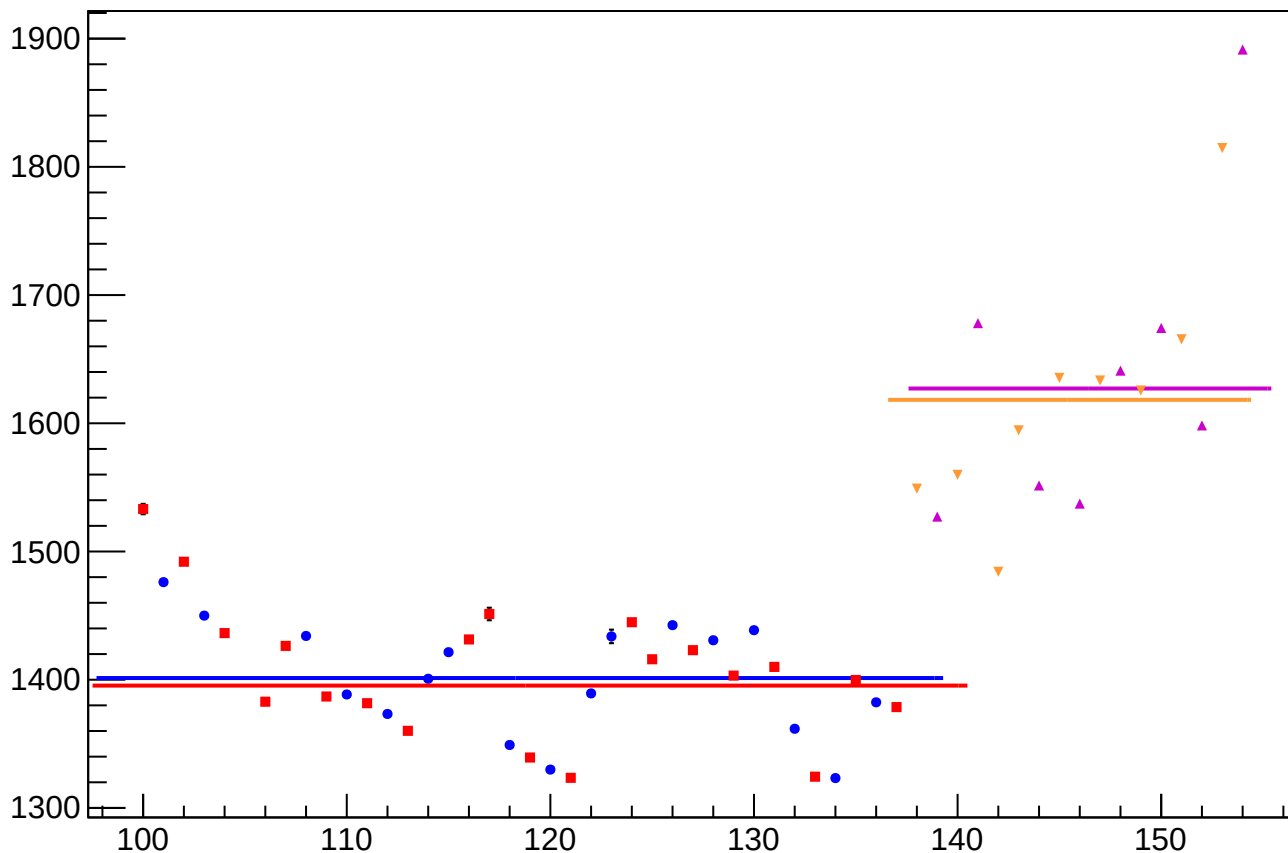
Left In: 34.271+/-0.639 χ^2/NDF : 219.7/7

-27.659+/-0.410 χ^2/NDF : 5981.7/25

-7.683+/-0.288 χ^2/NDF : 14963.2/53

11.621+/-0.403 χ^2/NDF : 4321.5/27

diff_bpm0i02X_rms vs Slug, Sign Corrected



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

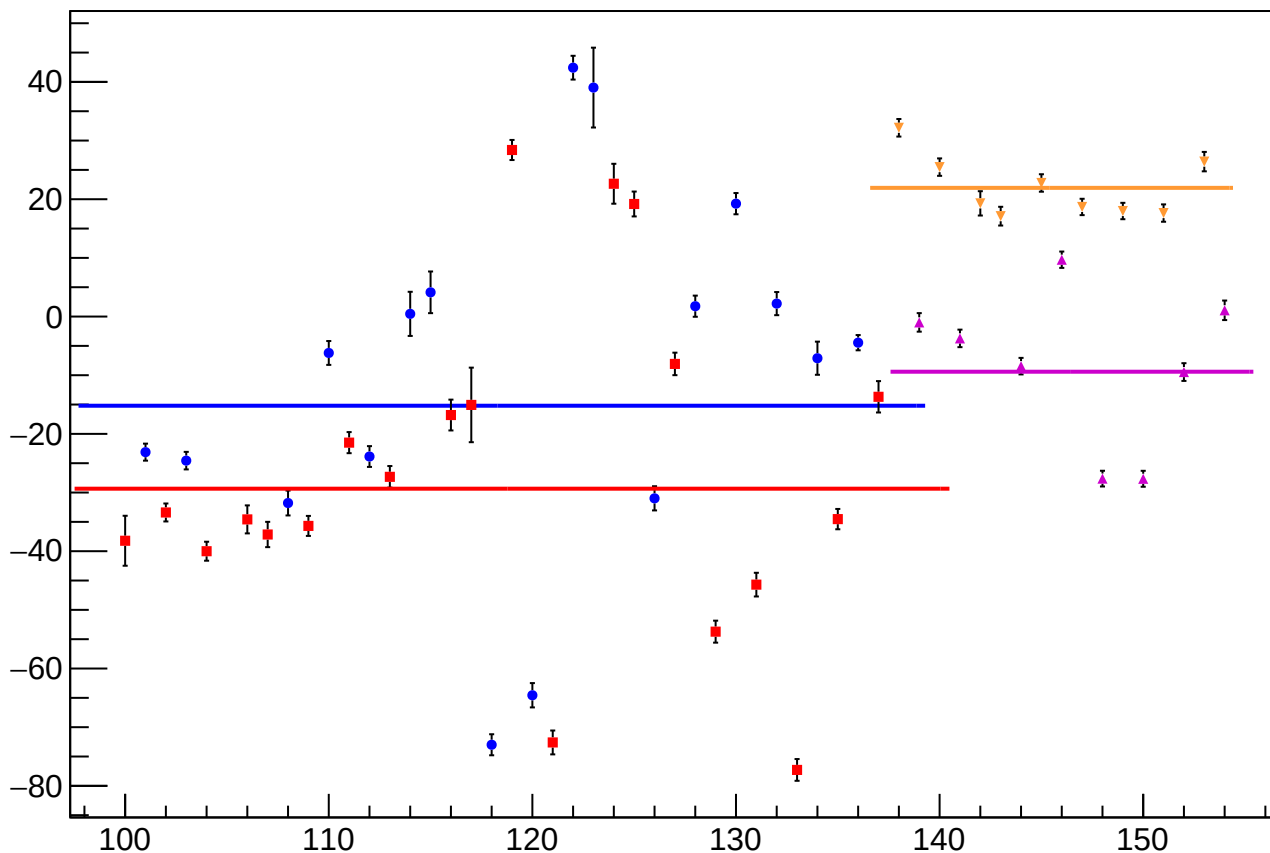
Left In: 1627.120 +/- 0.452 χ^2/NDF : 51941.2/7

1492.842 +/- 0.290 χ^2/NDF : 181996.2/25

1490.318 +/- 0.203 χ^2/NDF : 407975.3/53

1487.880 +/- 0.285 χ^2/NDF : 225830.4/27

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.202 $\pm$ 0.472 χ^2/NDF : 3362.5/16

Left Out: 21.938 $\pm$ 0.511 χ^2/NDF : 92.6/8

Right Out: -29.344 $\pm$ 0.455 χ^2/NDF : 3549.9/19

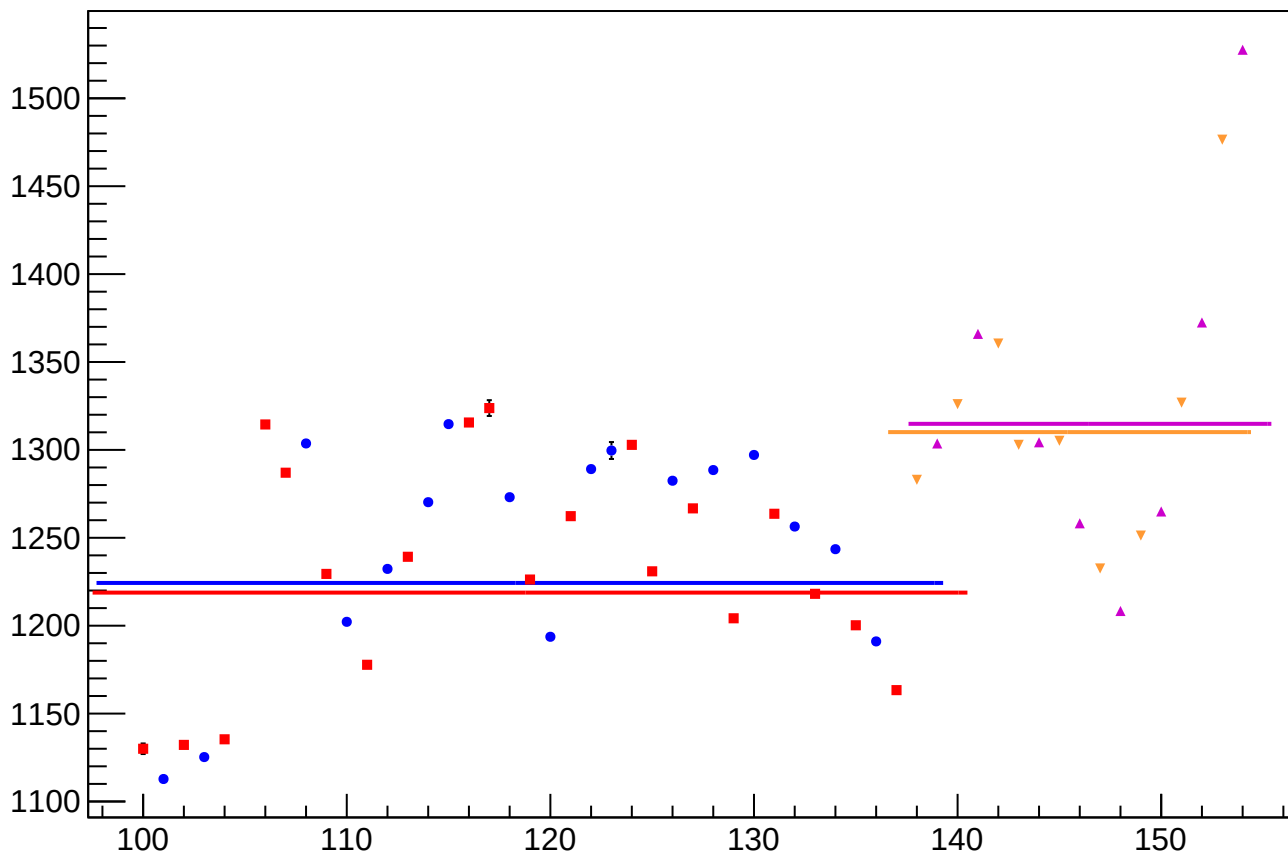
Left In: -9.404 $\pm$ 0.516 χ^2/NDF : 635.4/7

1.889 $\pm$ 0.347 χ^2/NDF : 6302.9/25

-9.549 $\pm$ 0.243 χ^2/NDF : 13468.3/53

-20.612 $\pm$ 0.341 χ^2/NDF : 5026.3/27

diff_bpm0i02Y_rms vs Slug, Sign Corrected



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

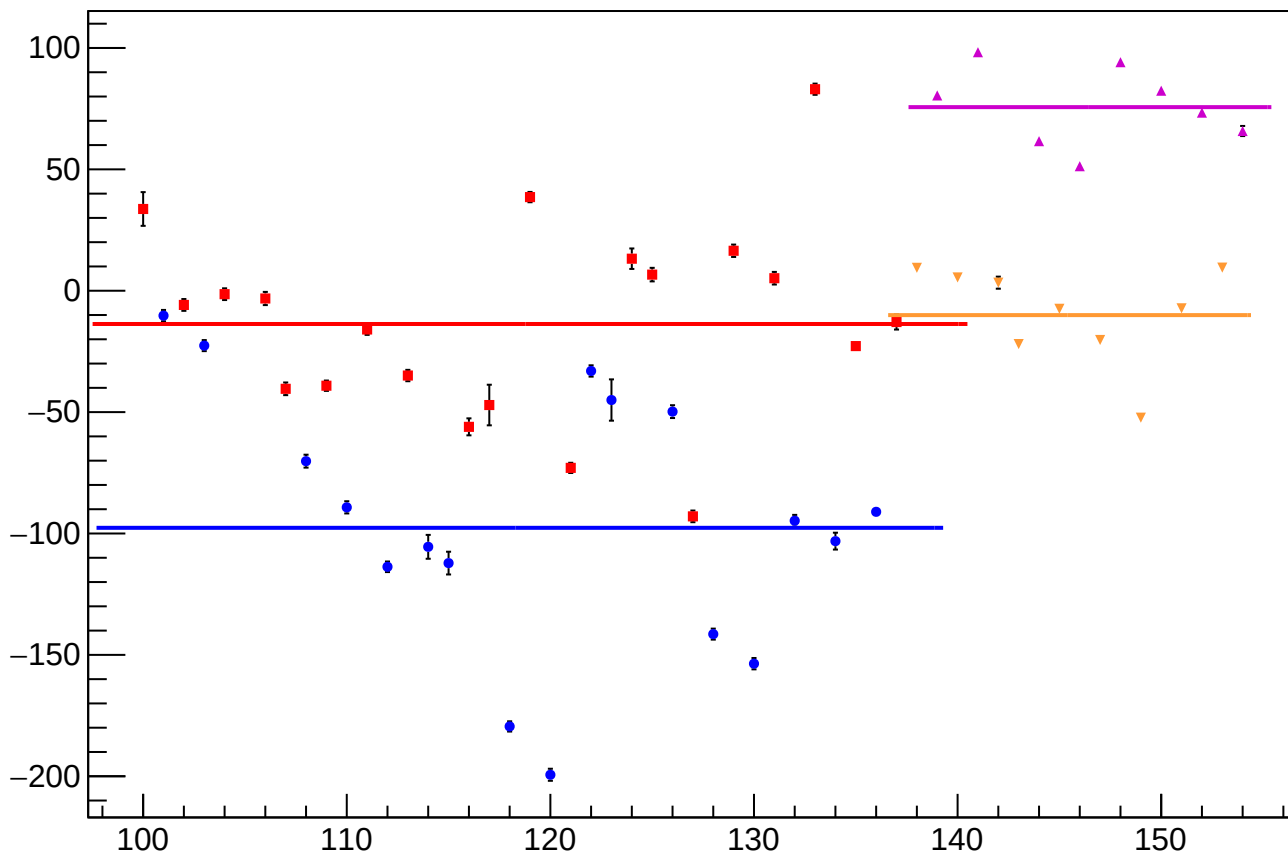
Left In: 1314.825+/-0.365 χ^2/NDF : 56758.5/7

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

1262.307+/-0.172 χ^2/NDF : 225476.7/53

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

diff_bpm0i02aX_mean vs Slug, Sign Corrected



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

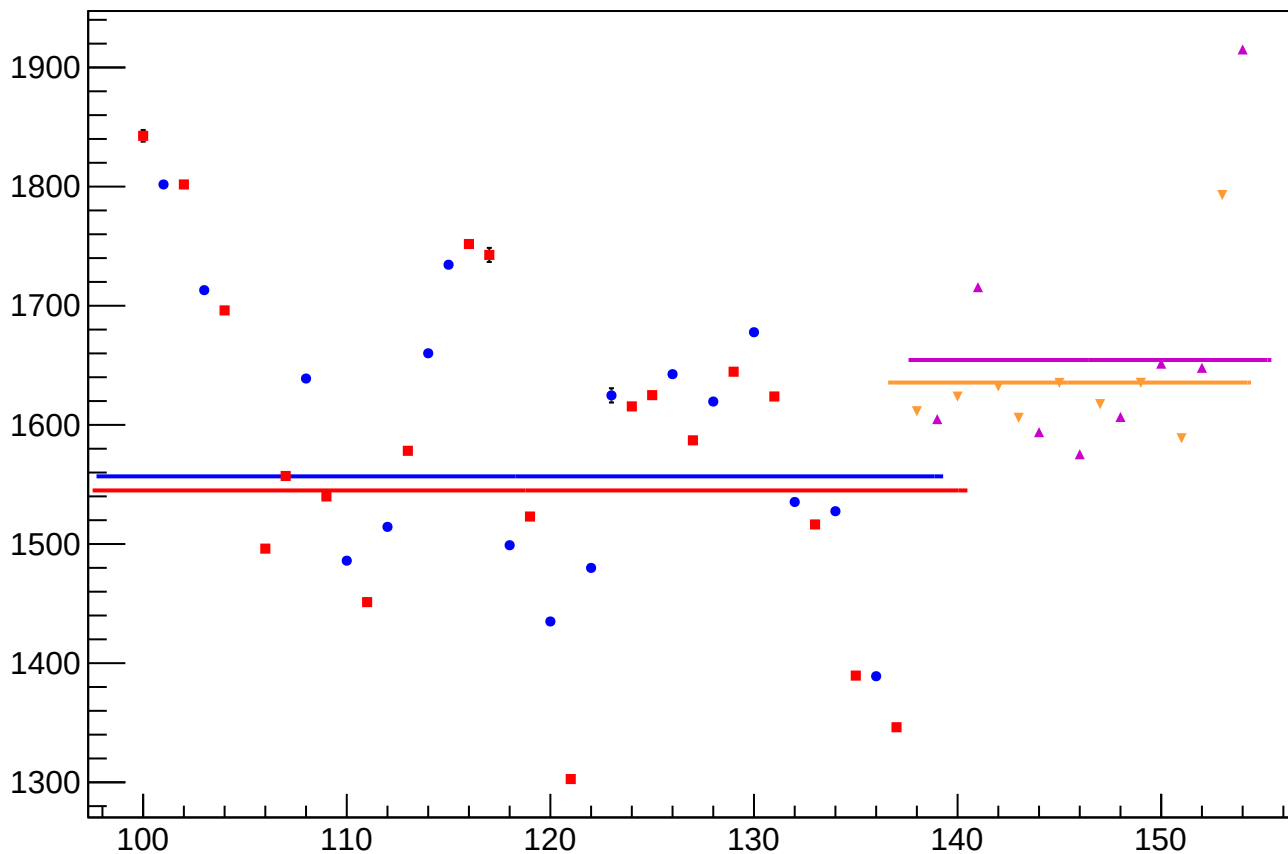
Left In: 75.631 +/- 0.649 χ^2/NDF : 558.3/7

-56.461 +/- 0.438 χ^2/NDF : 18830.8/25

-14.722 +/- 0.307 χ^2/NDF : 53039.3/53

25.844 +/- 0.431 χ^2/NDF : 16276.1/27

diff_bpm0i02aX_rms vs Slug, Sign Corrected



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

Left Out: 1635.543 $\pm$ 0.451 χ^2/NDF :14696.9/8

Right Out: 1544.983 $\pm$ 0.409 χ^2/NDF : 101624.6/19

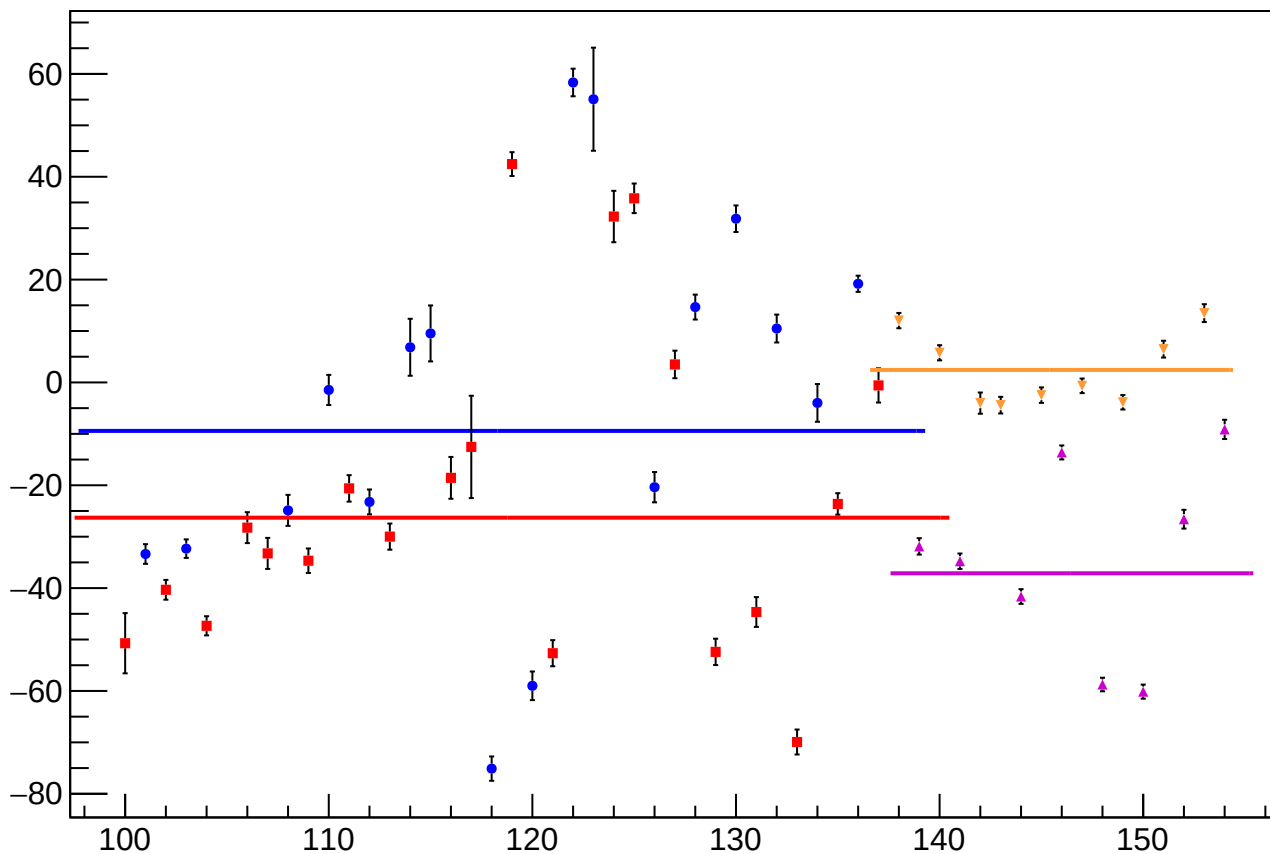
Left In: 1654.465 $\pm$ 0.459 χ^2/NDF :42734.9/7

1593.824 $\pm$ 0.309 χ^2/NDF : 112372.2/25

1593.632 $\pm$ 0.217 χ^2/NDF : 288497.6/53

1593.446 $\pm$ 0.305 χ^2/NDF : 176124.6/27

diff_bpm0i02aY_mean vs Slug, Sign Corrected



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

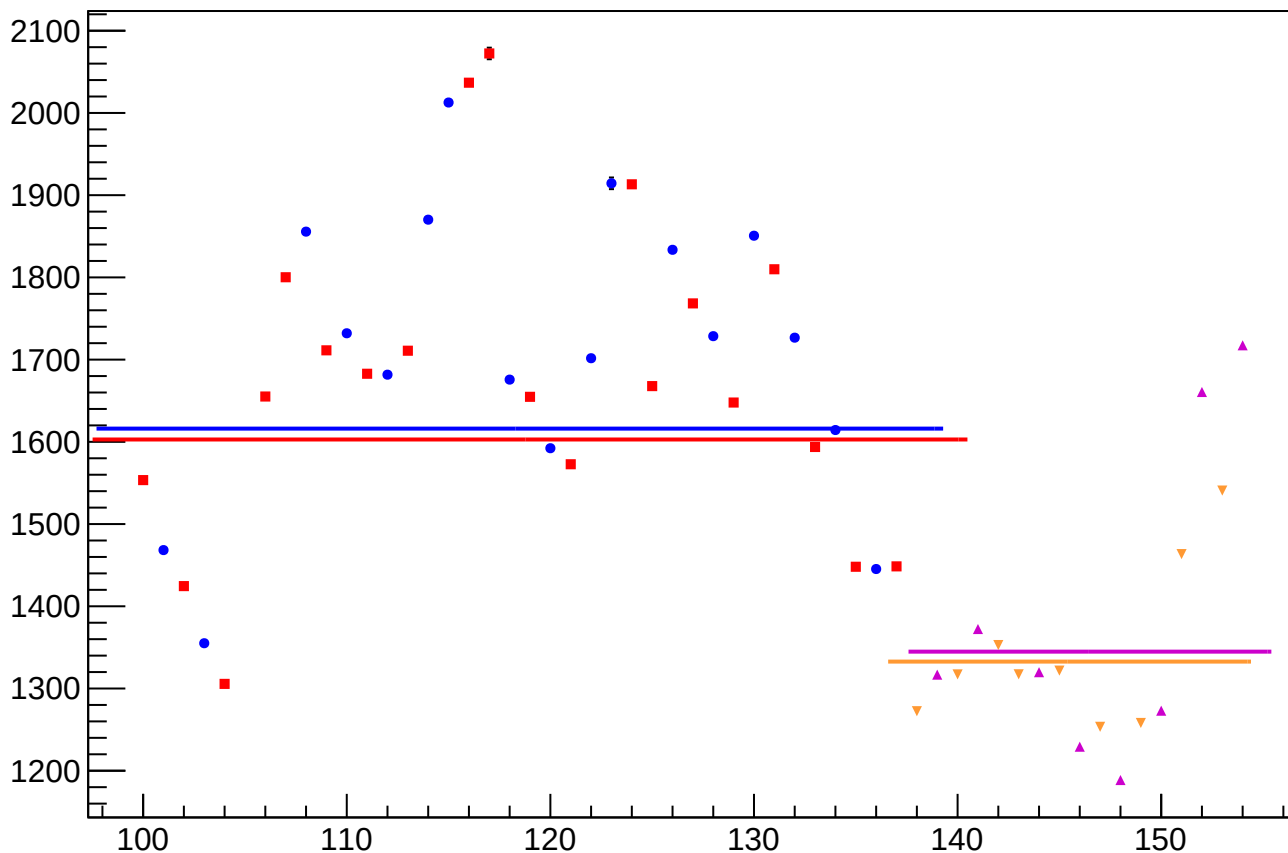
Left In: -37.115+/-0.530 χ^2/NDF : 1127.7/7

-2.420+/-0.401 χ^2/NDF : 3292.3/25

-17.516+/-0.282 χ^2/NDF : 9893.4/53

-32.390+/-0.398 χ^2/NDF : 3783.4/27

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1616.094 $\pm$ 0.443 χ^2/NDF : 149596.3/16

Left Out: 1332.734 $\pm$ 0.369 χ^2/NDF : 57381.6/8

Right Out: 1602.857 $\pm$ 0.425 χ^2/NDF : 158119.5/19

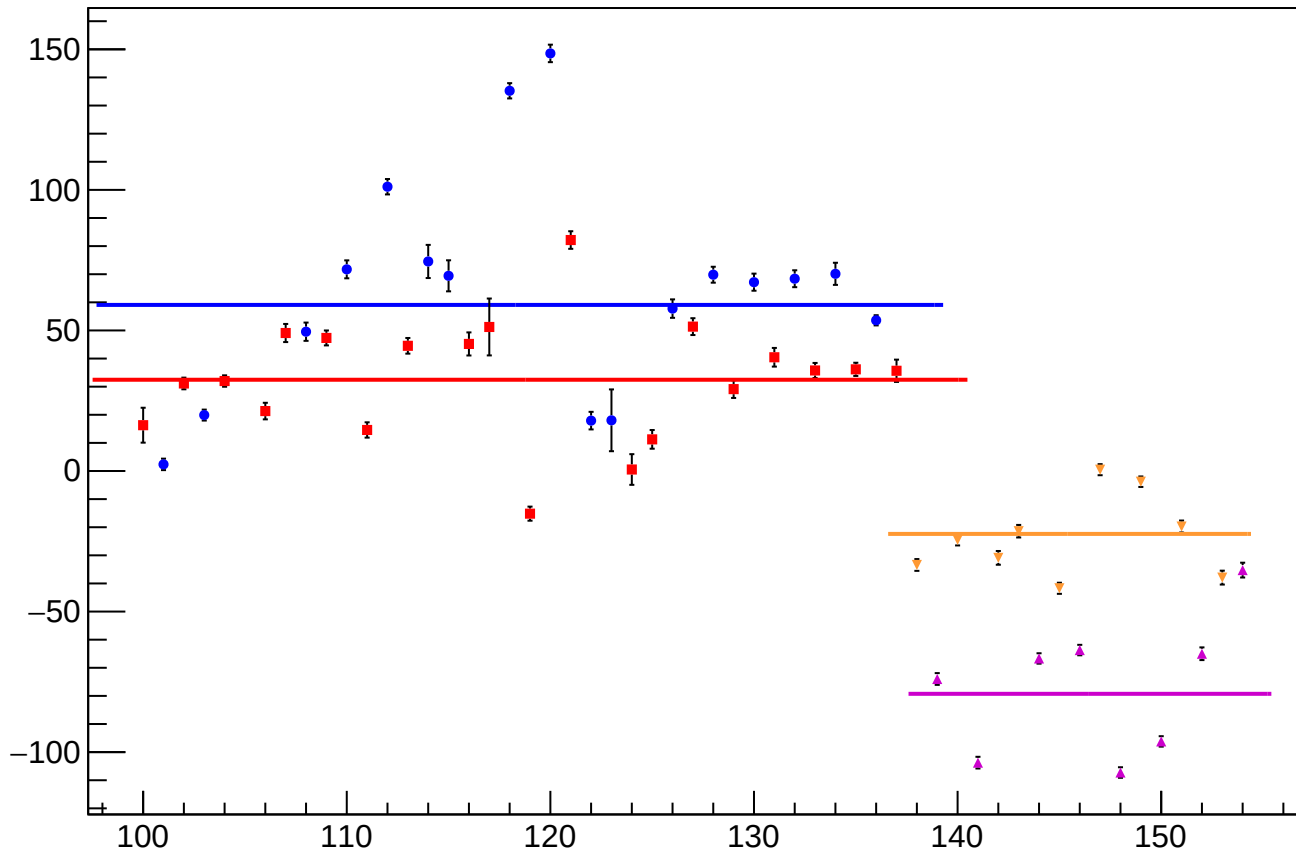
Left In: 1344.833 $\pm$ 0.375 χ^2/NDF : 188685.7/7

1448.668 $\pm$ 0.283 χ^2/NDF : 448753.2/25

1453.164 $\pm$ 0.200 χ^2/NDF : 1003119.7/53

1457.594 $\pm$ 0.281 χ^2/NDF : 553866.6/27

diff_bpm0i05X_mean vs Slug, Sign Corrected



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

Left Out: -22.376 $\pm$ 0.701 χ^2 /NDF: 411.3/8

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

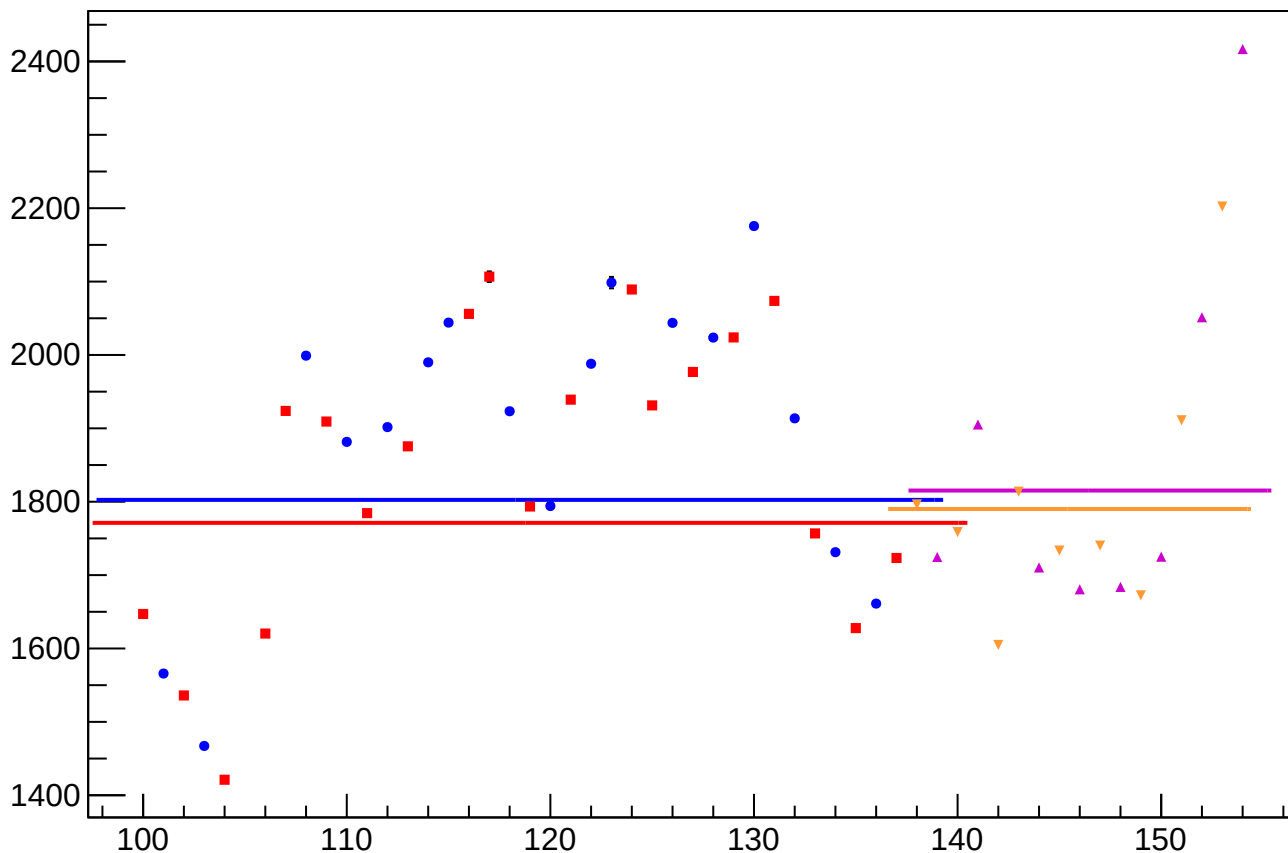
Left In: -79.260 $\pm$ 0.715 χ^2 /NDF: 885.3/7

18.450 $\pm$ 0.495 χ^2 /NDF: 10469.8/25

-0.749 $\pm$ 0.347 χ^2 /NDF: 28289.9/53

-19.325 $\pm$ 0.487 χ^2 /NDF: 14862.4/27

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1802.524 $\pm$ 0.495 χ^2 /NDF: 184069.0/16

Left Out: 1790.109 $\pm$ 0.496 χ^2 /NDF: 85079.5/8

Right Out: 1771.228 $\pm$ 0.470 χ^2 /NDF: 180101.6/19

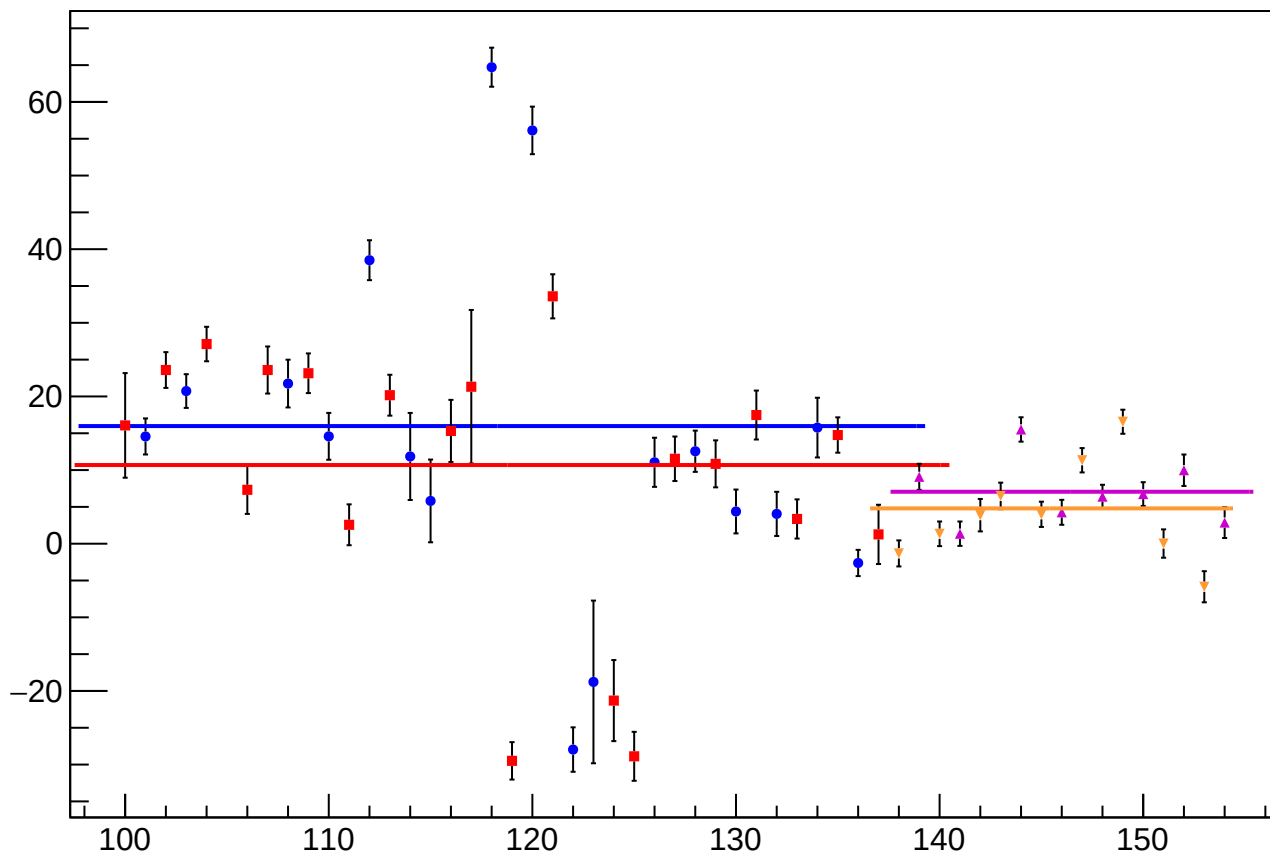
Left In: 1815.249 $\pm$ 0.506 χ^2 /NDF: 165032.7/7

1796.331 $\pm$ 0.350 χ^2 /NDF: 269462.8/25

1793.944 $\pm$ 0.246 χ^2 /NDF: 618750.7/53

1791.634 $\pm$ 0.344 χ^2 /NDF: 349196.4/27

diff_bpm0i05Y_mean vs Slug, Sign Corrected



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

Left Out: 4.794 $\pm$ 0.601 χ^2 /NDF: 116.4/8

Right Out: 10.685 $\pm$ 0.692 χ^2 /NDF: 643.2/19

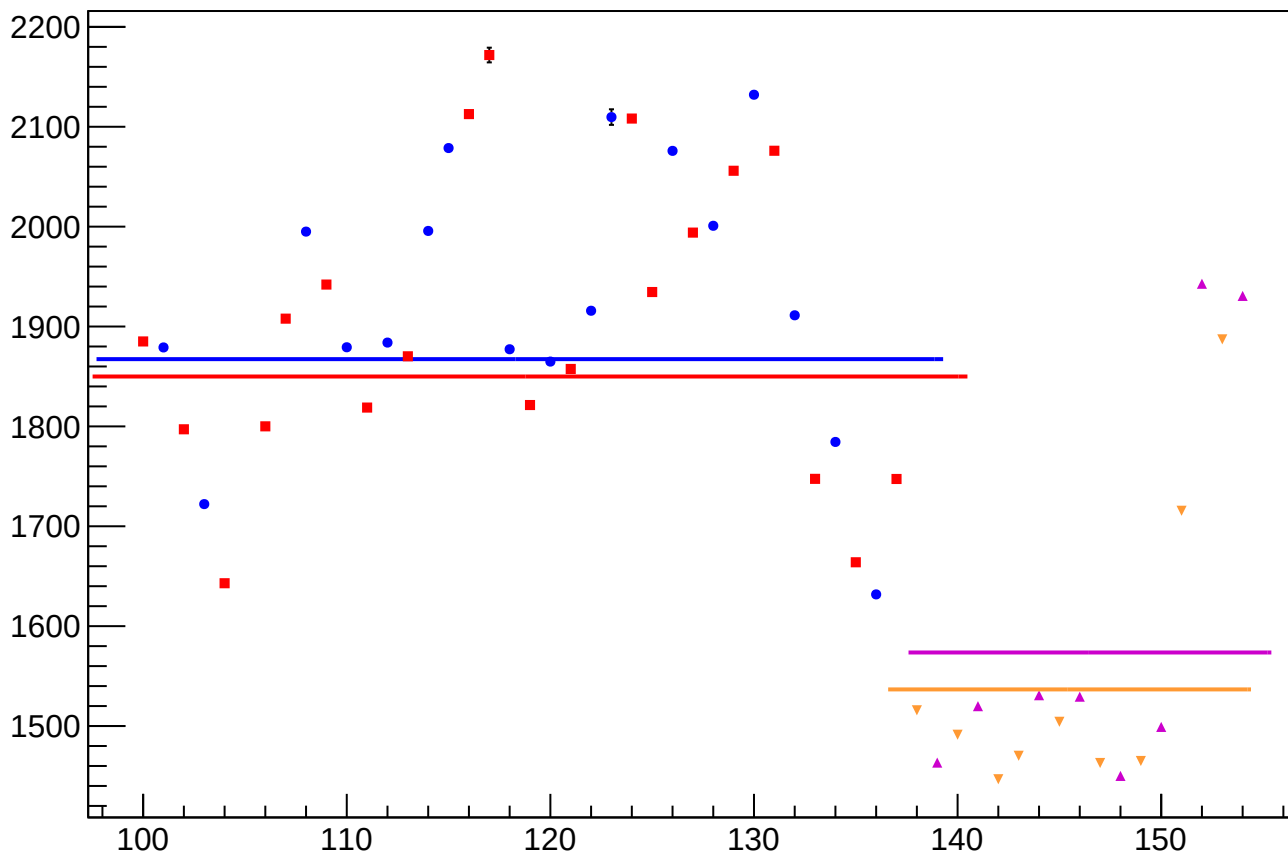
Left In: 7.055 $\pm$ 0.619 χ^2 /NDF: 48.0/7

9.378 $\pm$ 0.462 χ^2 /NDF: 1196.5/25

9.023 $\pm$ 0.326 χ^2 /NDF: 1904.1/53

8.669 $\pm$ 0.461 χ^2 /NDF: 706.5/27

diff_bpm0i05Y_rms vs Slug, Sign Corrected



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

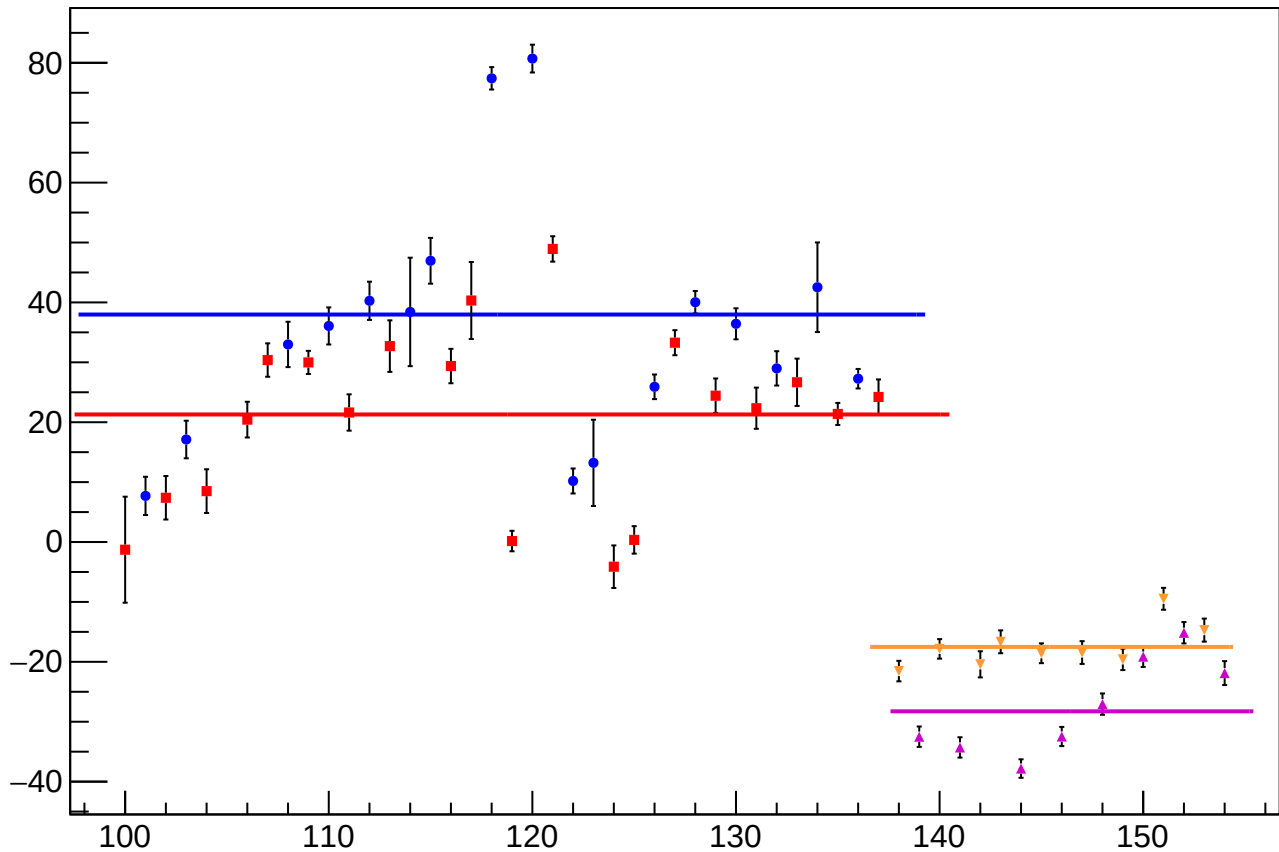
Left In: 1573.634 $\pm$ 0.438 χ^2/NDF : 146120.6/7

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

1684.368 $\pm$ 0.231 χ^2/NDF : 817816.9/53

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

diff_bpm0i07X_mean vs Slug, Sign Corrected



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

Left Out: -17.513 ± 0.606 $\chi^2/\text{NDF}: 30.9/8$

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

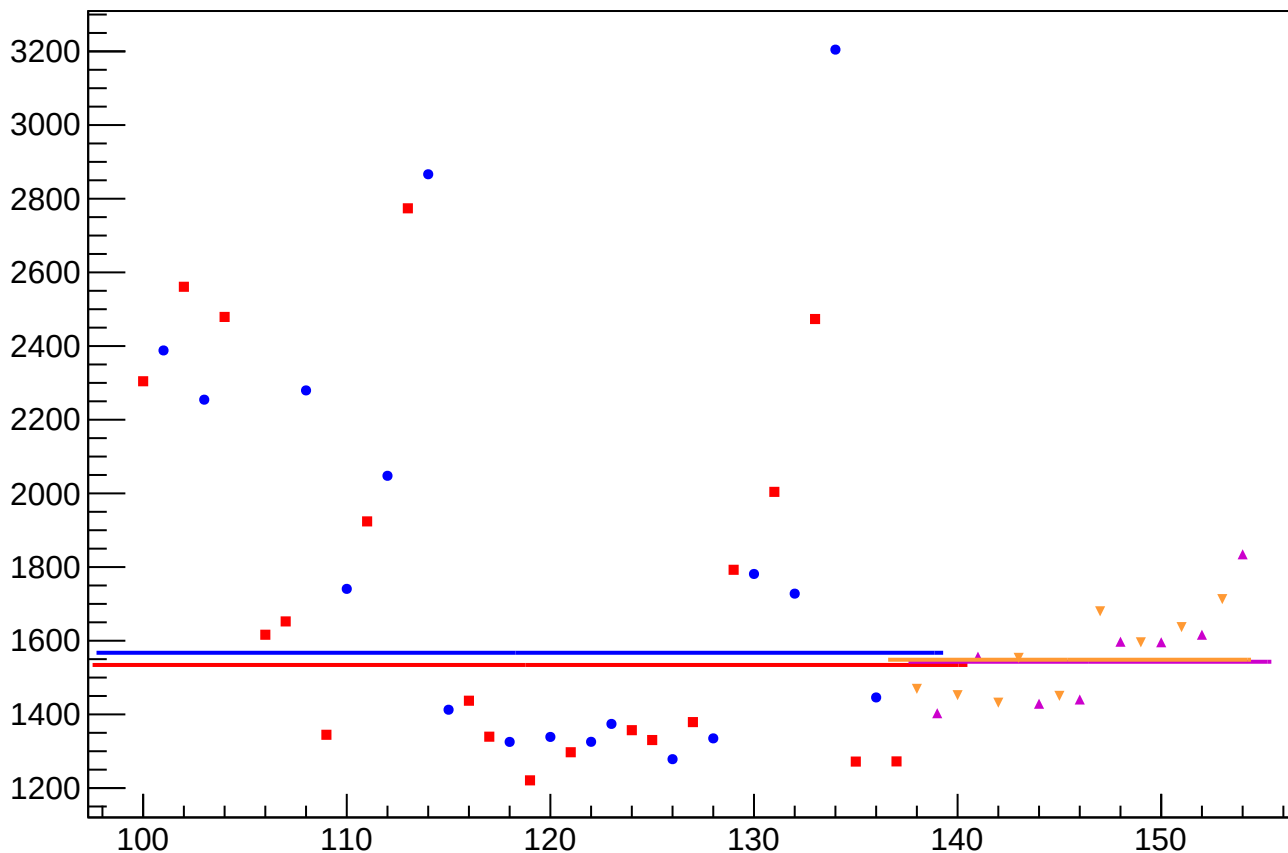
Left In: -28.264 ± 0.606 $\chi^2/\text{NDF}: 157.0/7$

8.825 ± 0.439 $\chi^2/\text{NDF}: 5217.6/25$

2.534 ± 0.307 $\chi^2/\text{NDF}: 9702.2/53$

-3.458 ± 0.428 $\chi^2/\text{NDF}: 4083.8/27$

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1567.328 $\pm$ 0.451 χ^2/NDF : 673450.6/16

Left Out: 1548.442 $\pm$ 0.428 χ^2/NDF : 54289.3/8

Right Out: 1534.225 $\pm$ 0.428 χ^2/NDF : 883947.6/19

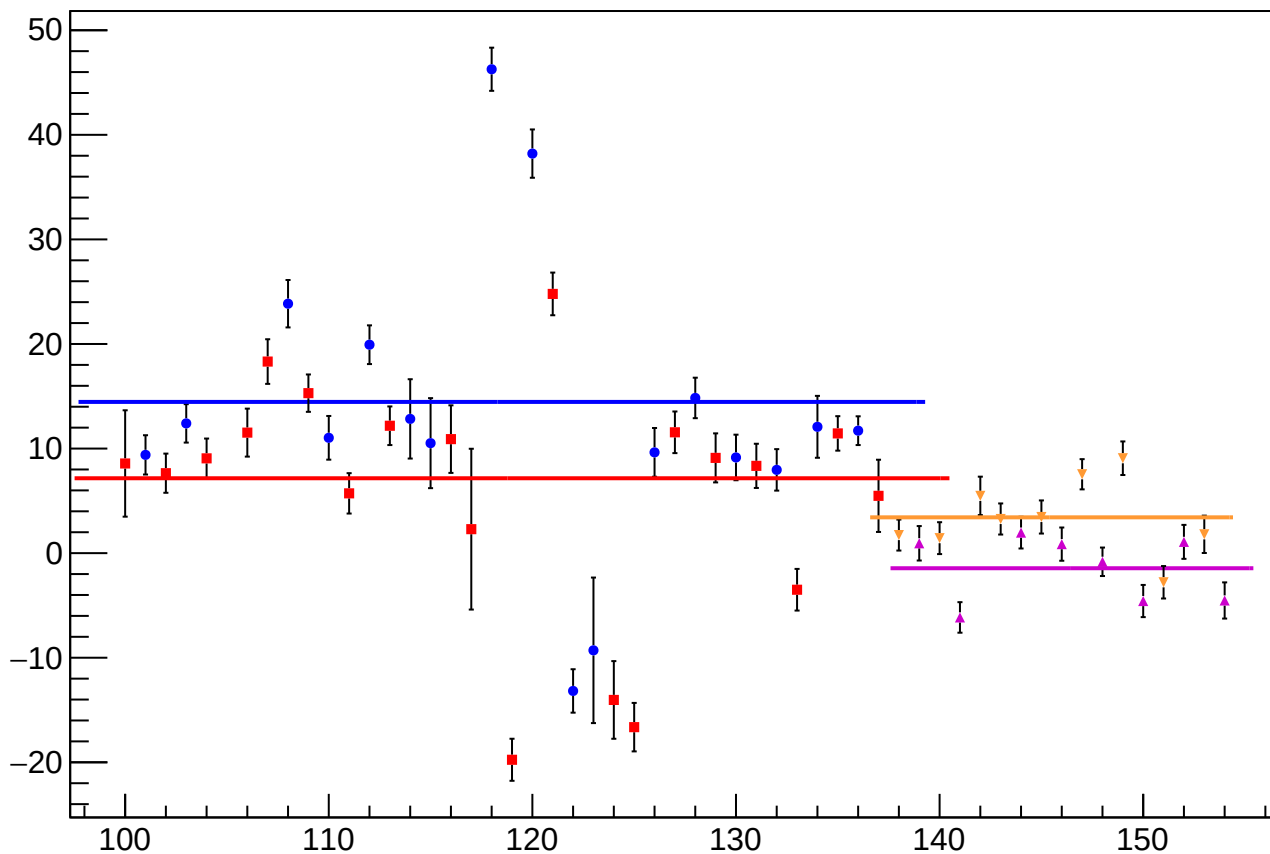
Left In: 1542.937 $\pm$ 0.429 χ^2/NDF : 82463.4/7

1557.406 $\pm$ 0.310 χ^2/NDF : 728662.6/25

1547.761 $\pm$ 0.217 χ^2/NDF : 1697164.2/53

1538.576 $\pm$ 0.303 χ^2/NDF : 966617.7/27

diff_bpm0i07Y_mean vs Slug, Sign Corrected



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

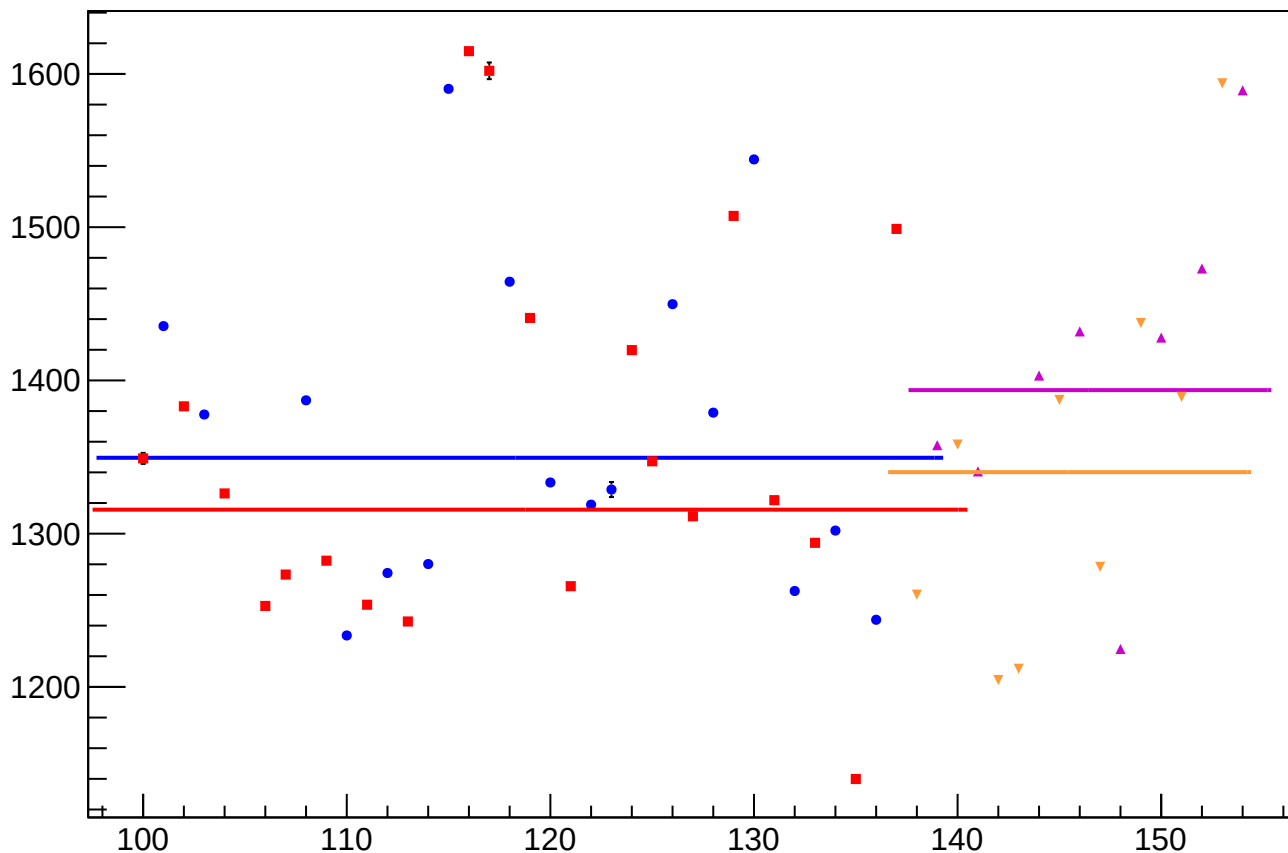
Left In: -1.443 ± 0.547 χ^2/NDF : 29.6/7

8.960 ± 0.371 χ^2/NDF : 859.4/25

6.098 ± 0.261 χ^2/NDF : 1639.4/53

3.301 ± 0.366 χ^2/NDF : 662.1/27

diff_bpm0i07Y_rms vs Slug, Sign Corrected



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

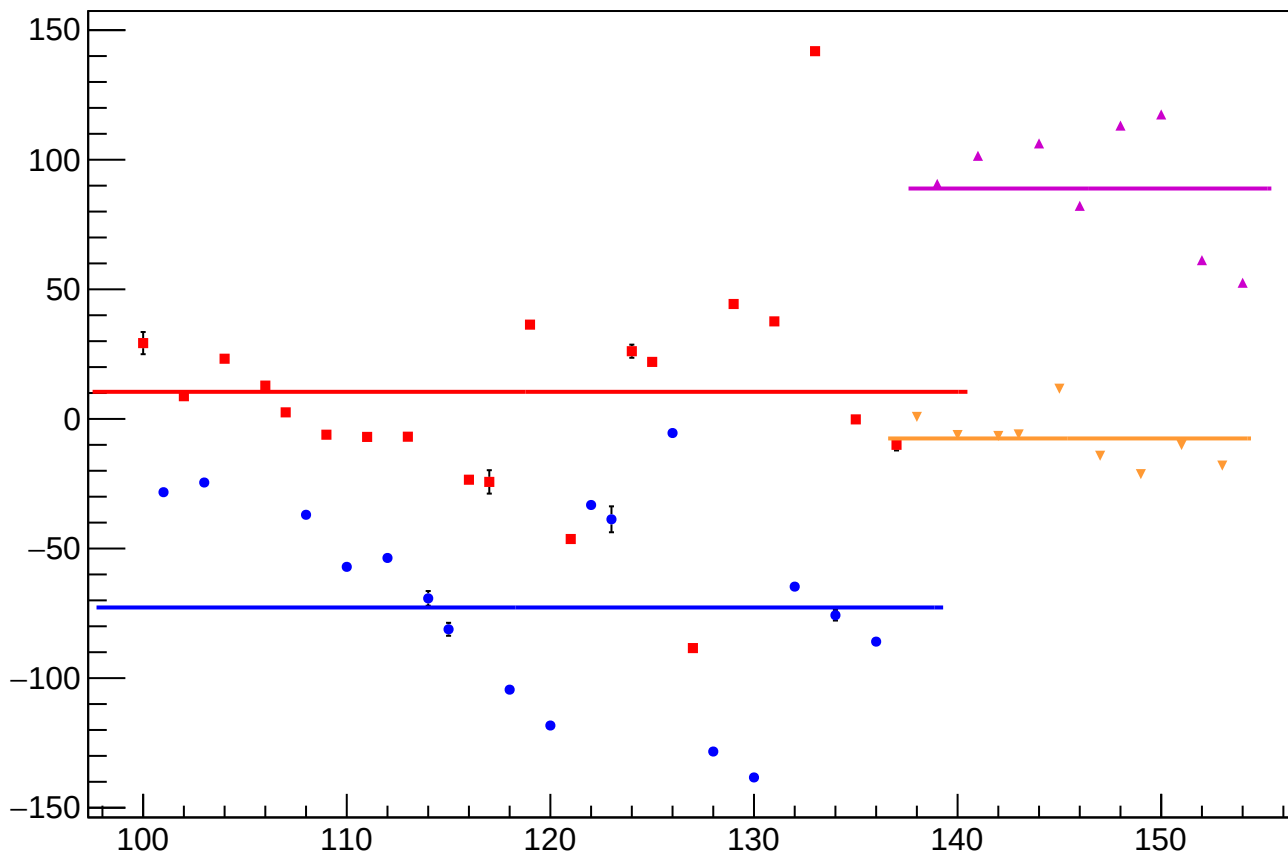
Left In: 1393.684 ± 0.387 χ^2/NDF : 66958.0/7

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

1347.793 ± 0.184 χ^2/NDF : 325434.8/53

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

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.741 +/- 0.362 χ^2/NDF : 11690.4/16

Left Out: -7.533 +/- 0.366 χ^2/NDF : 666.4/8

Right Out: 10.459 +/- 0.351 χ^2/NDF : 18230.6/19

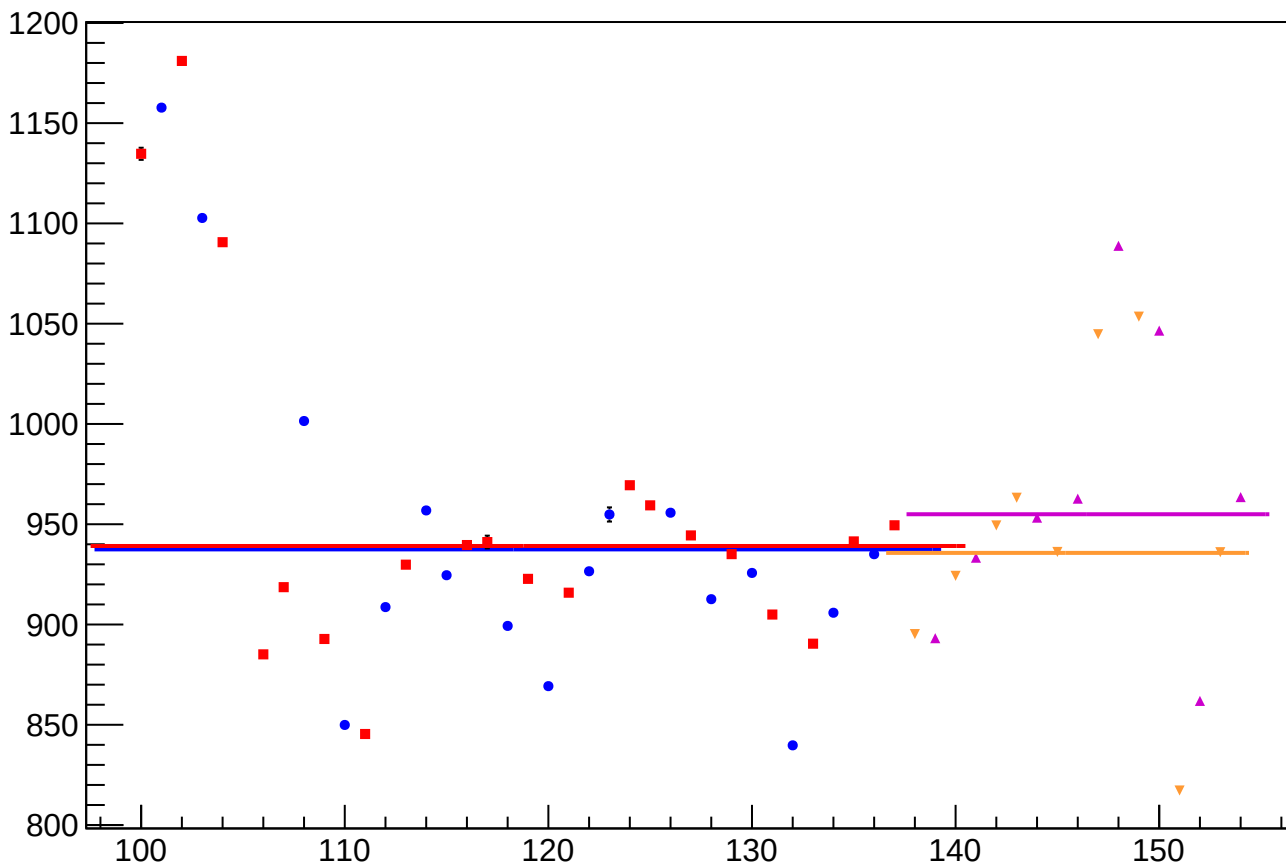
Left In: 88.892 +/- 0.374 χ^2/NDF : 3572.5/7

-40.451 +/- 0.257 χ^2/NDF : 28392.9/25

3.577 +/- 0.182 χ^2/NDF : 131737.2/53

47.172 +/- 0.256 χ^2/NDF : 45141.0/27

diff_bpm1i02X_rms vs Slug, Sign Corrected



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

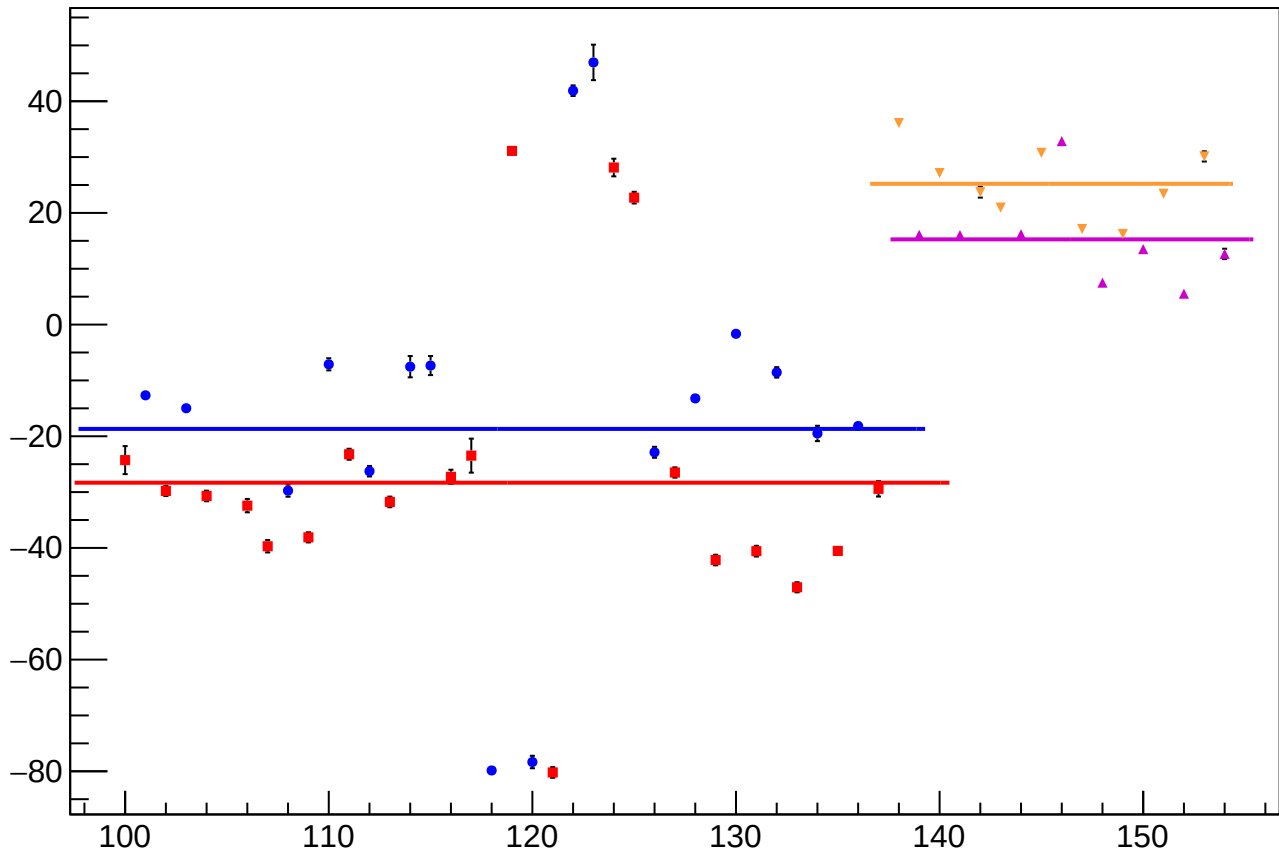
Left In: 954.983 +/- 0.265 χ^2/NDF : 64576.0/7

936.590 +/- 0.182 χ^2/NDF : 173763.0/25

941.601 +/- 0.128 χ^2/NDF : 332001.7/53

946.562 +/- 0.181 χ^2/NDF : 156731.2/27

diff_bpm1i02Y_mean vs Slug, Sign Corrected



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

Left Out: 25.213 +/- 0.261 χ^2/NDF : 585.9/8

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

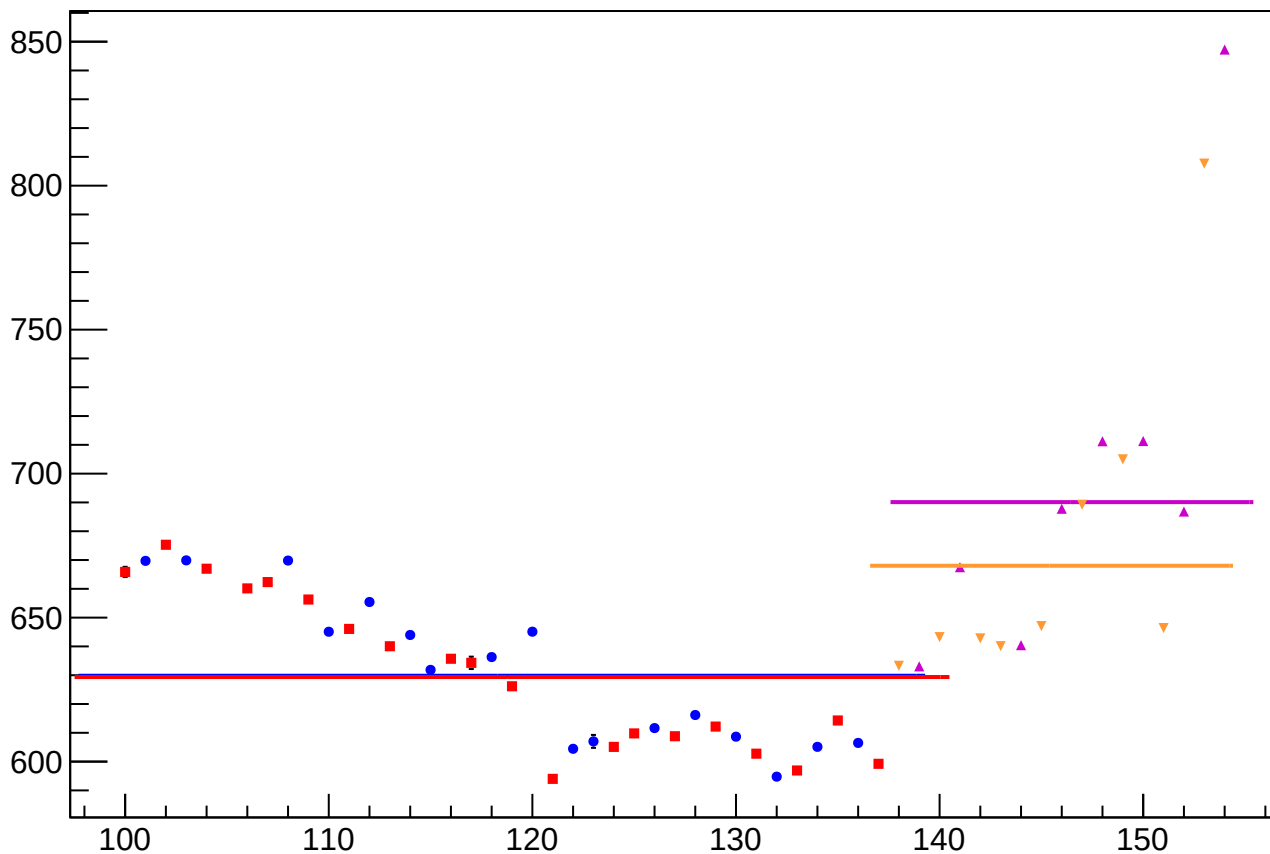
Left In: 15.261 +/- 0.271 χ^2/NDF : 810.5/7

1.655 +/- 0.178 χ^2/NDF : 28753.0/25

-4.002 +/- 0.126 χ^2/NDF : 58865.9/53

-9.639 +/- 0.177 χ^2/NDF : 28091.2/27

diff_bpm1i02Y_rms vs Slug, Sign Corrected



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

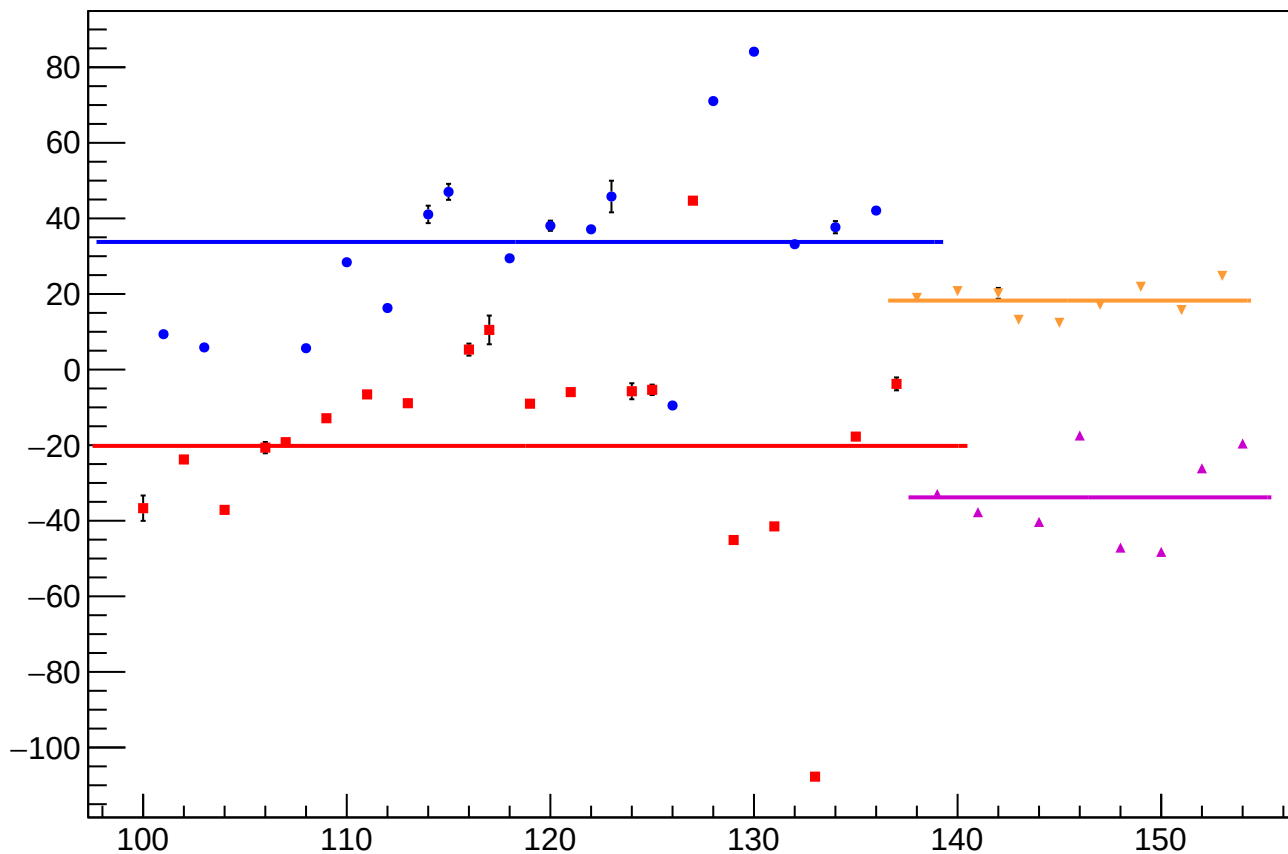
Left In: 690.109 +/- 0.192 χ^2/NDF : 83907.9/7

647.514 +/- 0.126 χ^2/NDF : 113328.3/25

651.466 +/- 0.089 χ^2/NDF : 282140.2/53

655.404 +/- 0.125 χ^2/NDF : 166838.7/27

diff_bpm1i04X_mean vs Slug, Sign Corrected



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

Left Out: 18.260+/-0.389 χ^2/NDF : 97.2/8

Right Out: -20.193+/-0.292 χ^2/NDF : 11353.3/19

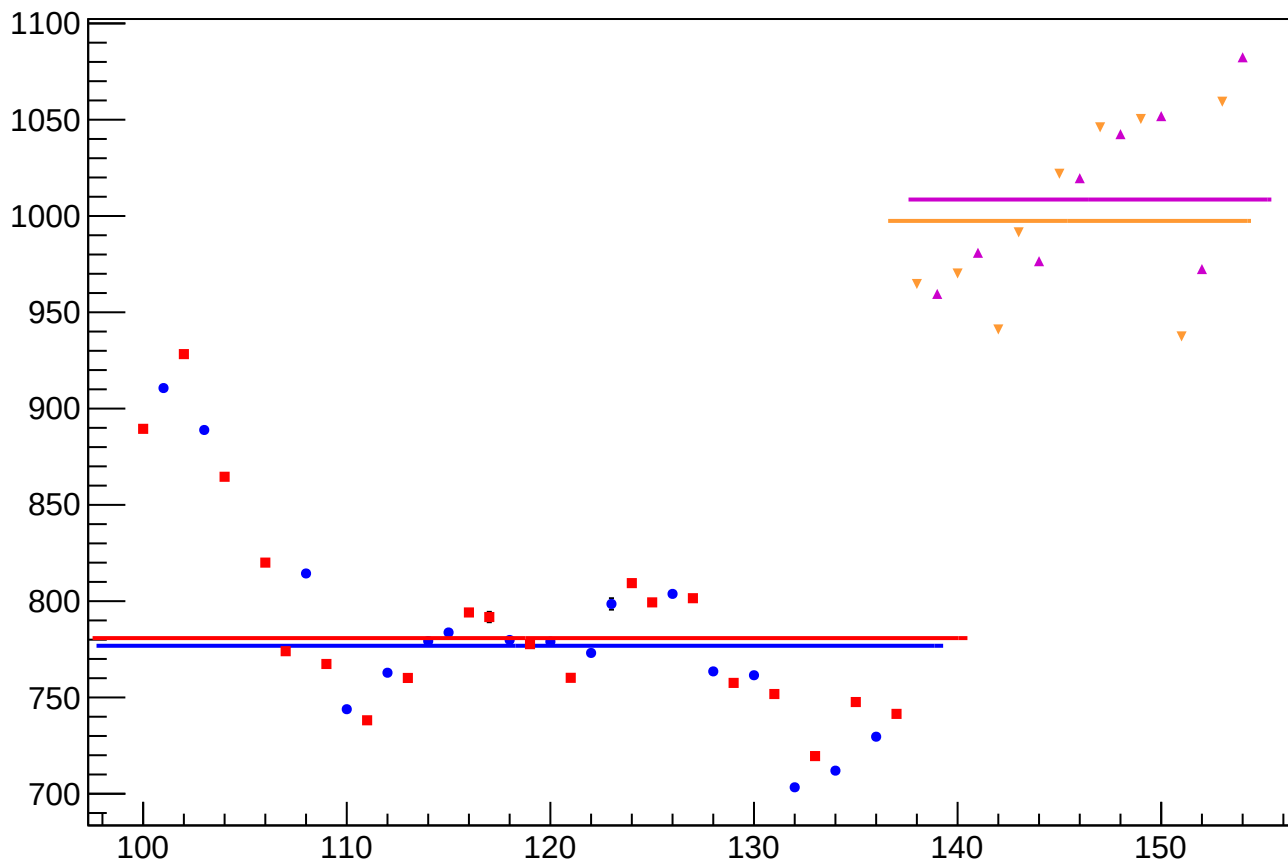
Left In: -33.810+/-0.395 χ^2/NDF : 753.0/7

27.995+/-0.238 χ^2/NDF : 7581.7/25

1.166+/-0.167 χ^2/NDF : 45647.9/53

-24.999+/-0.235 χ^2/NDF : 12875.6/27

diff_bpm1i04X_rms vs Slug, Sign Corrected



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

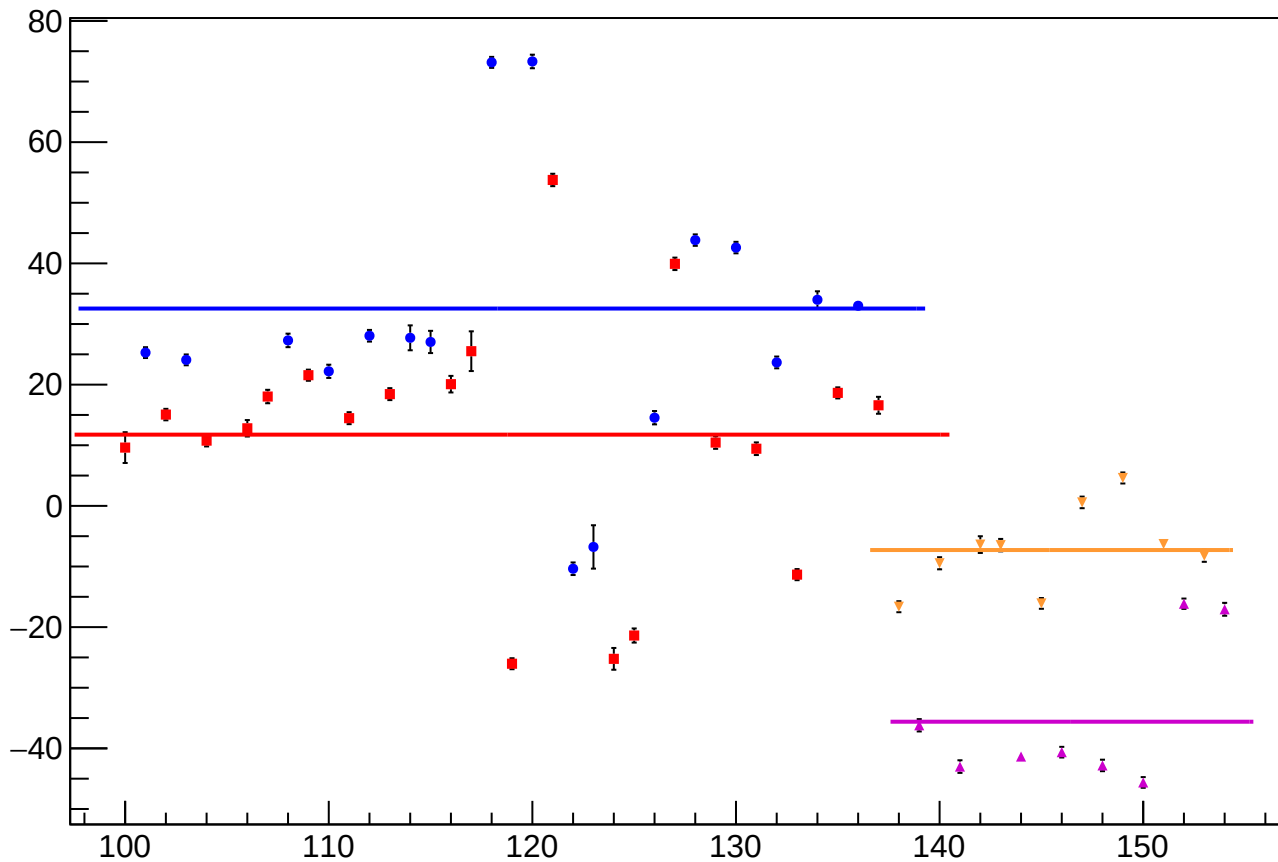
Left In: 1008.553 $\pm$ 0.279 χ^2/NDF : 21664.1/7

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

860.114 $\pm$ 0.118 χ^2/NDF : 1006577.5/53

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

diff_bpm1i04Y_mean vs Slug, Sign Corrected



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

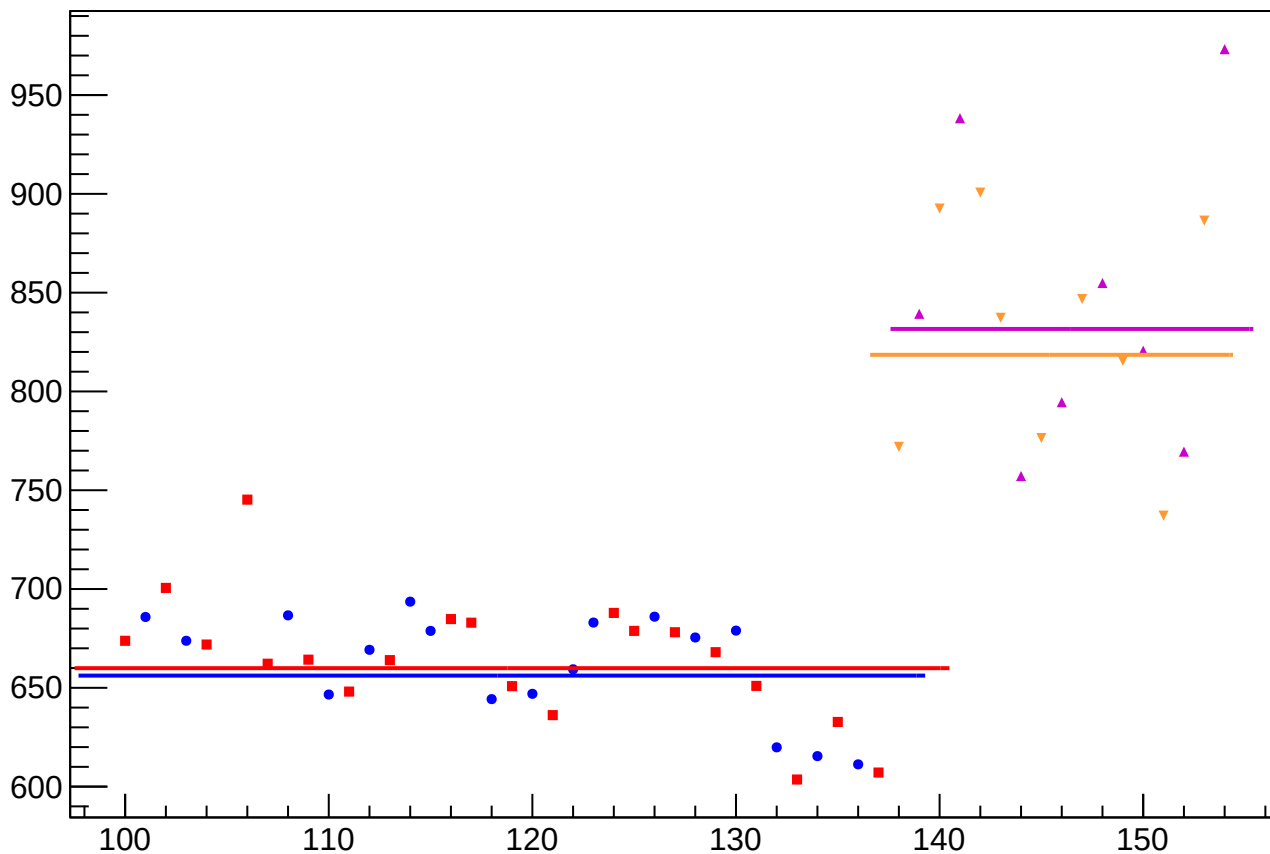
Left In: -35.604 +/- 0.328 χ^2/NDF : 1142.5/7

17.273 +/- 0.199 χ^2/NDF : 16042.3/25

5.890 +/- 0.140 χ^2/NDF : 43406.8/53

-5.315 +/- 0.197 χ^2/NDF : 20841.3/27

diff_bpm1i04Y_rms vs Slug, Sign Corrected



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

Left Out: 818.537 $\pm$ 0.227 χ^2 /NDF: 59068.0/8

Right Out: 659.944 $\pm$ 0.174 χ^2 /NDF: 28425.0/19

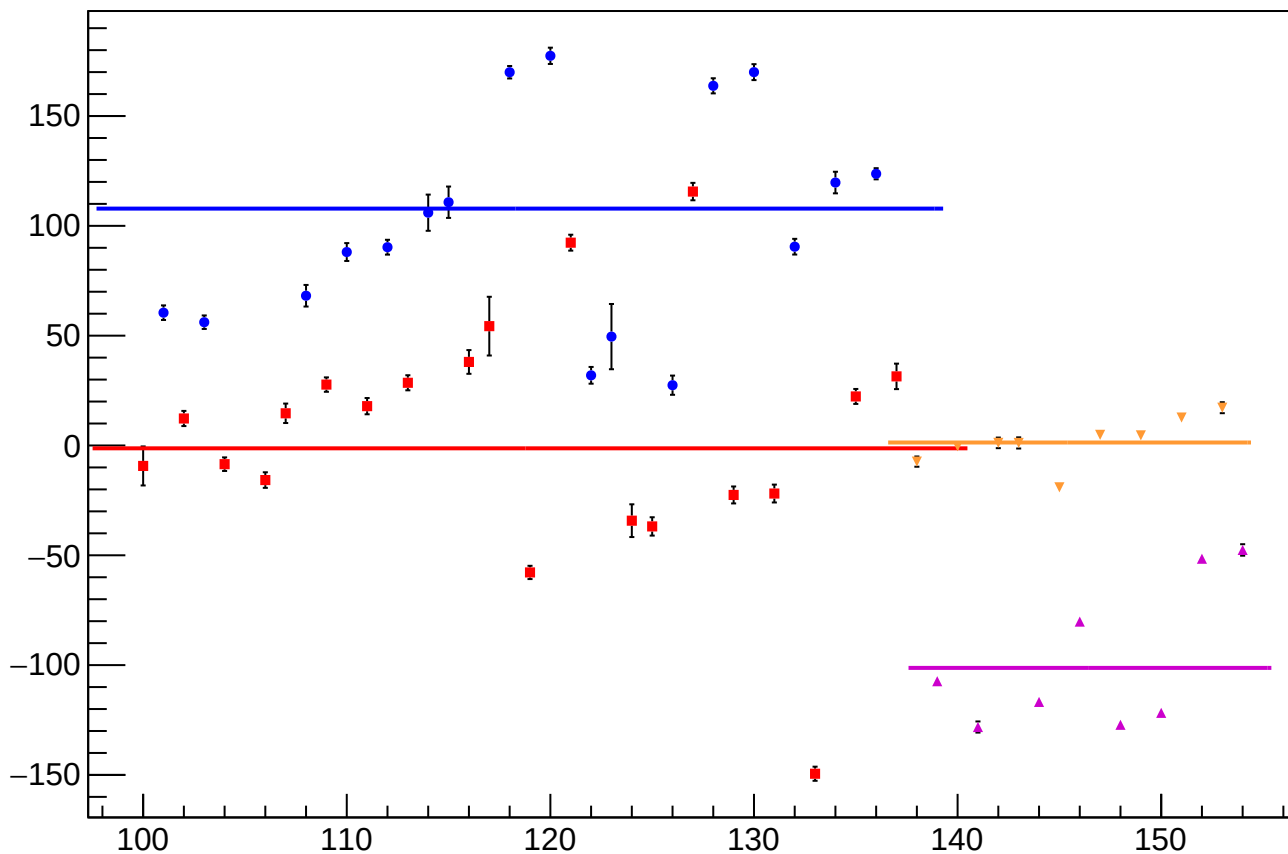
Left In: 831.638 $\pm$ 0.232 χ^2 /NDF: 88357.1/7

718.453 $\pm$ 0.140 χ^2 /NDF: 398884.4/25

720.151 $\pm$ 0.099 χ^2 /NDF: 866236.9/53

721.821 $\pm$ 0.139 χ^2 /NDF: 467062.4/27

diff_bpm1i06X_mean vs Slug, Sign Corrected



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

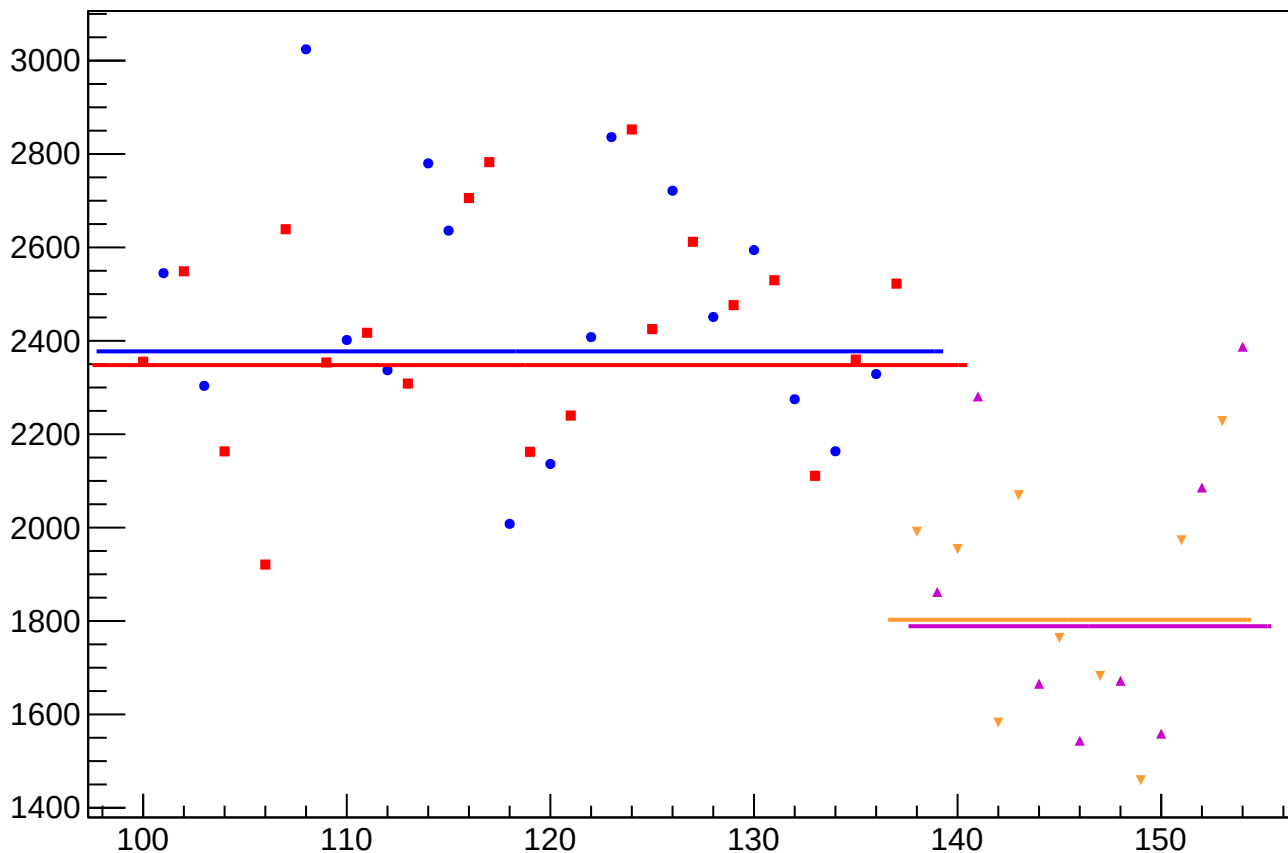
Left In: -101.273 ± 0.714 χ^2/NDF : 1571.4/7

41.215 ± 0.564 χ^2/NDF : 11355.2/25

-11.068 ± 0.395 χ^2/NDF : 42161.4/53

-61.676 ± 0.555 χ^2/NDF : 13882.5/27

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2377.423 ± 0.652 $\chi^2/\text{NDF}: 119648.6/16$

Left Out: 1802.674 ± 0.504 $\chi^2/\text{NDF}: 227780.9/8$

Right Out: 2348.017 ± 0.623 $\chi^2/\text{NDF}: 110379.6/19$

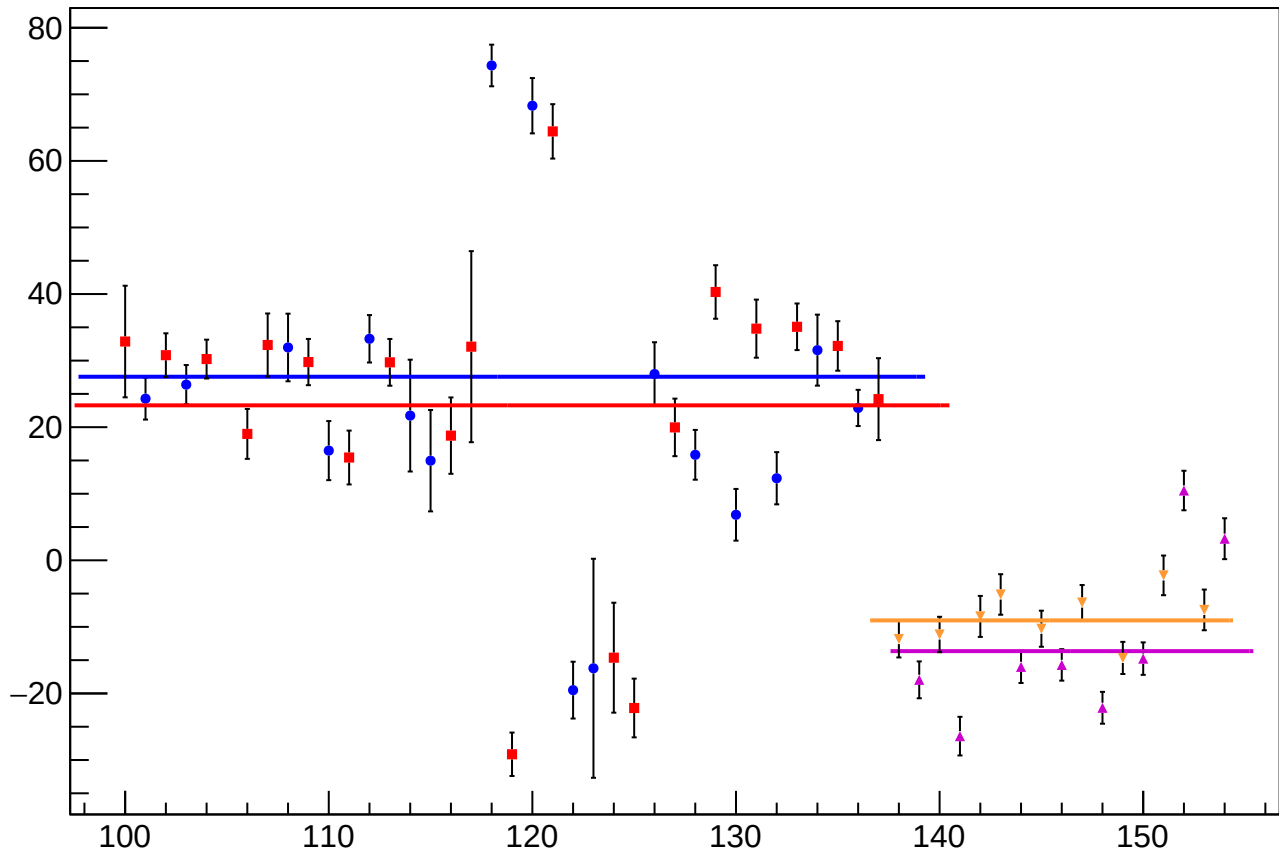
Left In: 1788.831 ± 0.505 $\chi^2/\text{NDF}: 311765.9/7$

2017.802 ± 0.399 $\chi^2/\text{NDF}: 834204.4/25$

2013.993 ± 0.280 $\chi^2/\text{NDF}: 1742709.5/53$

2010.306 ± 0.392 $\chi^2/\text{NDF}: 908325.4/27$

diff_bpm1i06Y_mean vs Slug, Sign Corrected



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

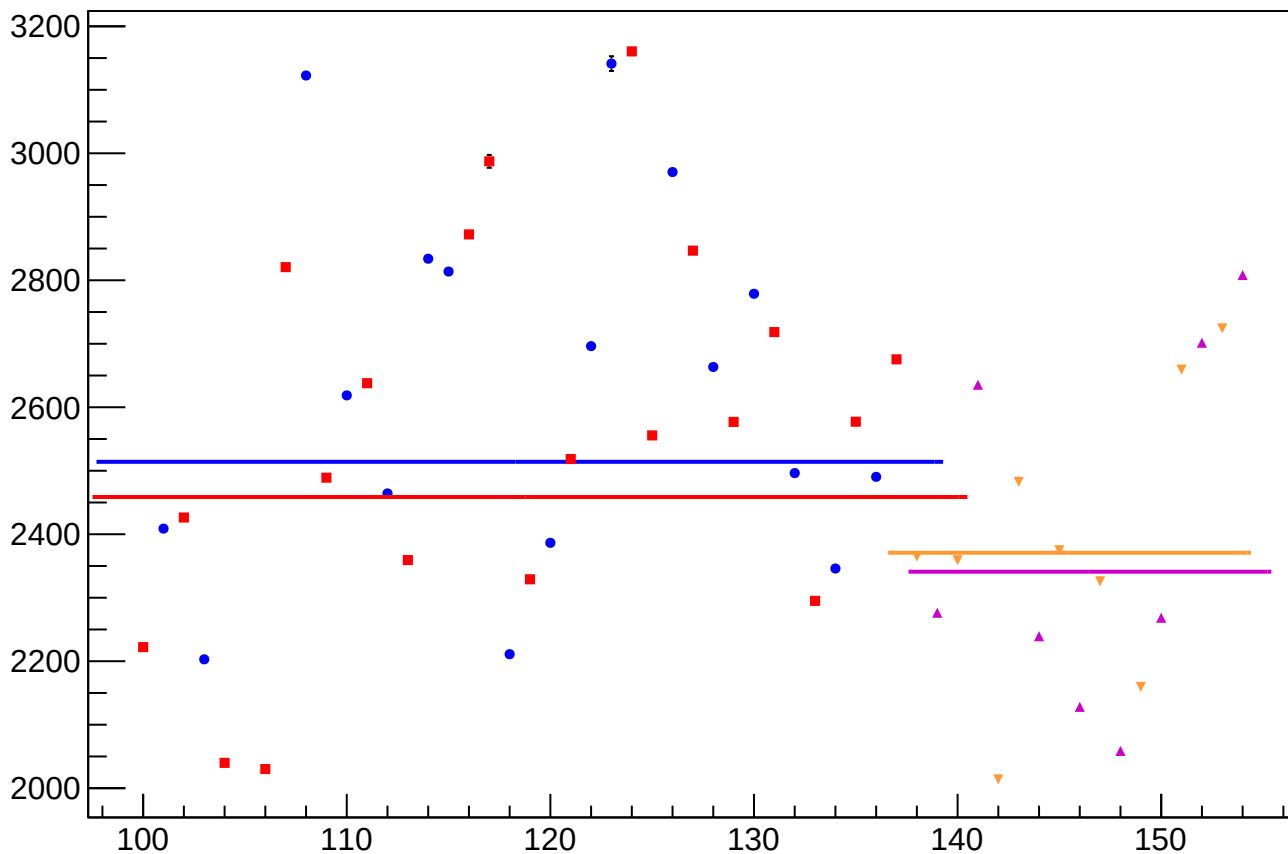
Left In: -13.643+/-0.928 χ^2/NDF : 132.7/7

8.400+/-0.673 χ^2/NDF : 1273.8/25

6.594+/-0.469 χ^2/NDF : 2772.6/53

4.880+/-0.655 χ^2/NDF : 1484.8/27

diff_bpm1i06Y_rms vs Slug, Sign Corrected



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

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

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

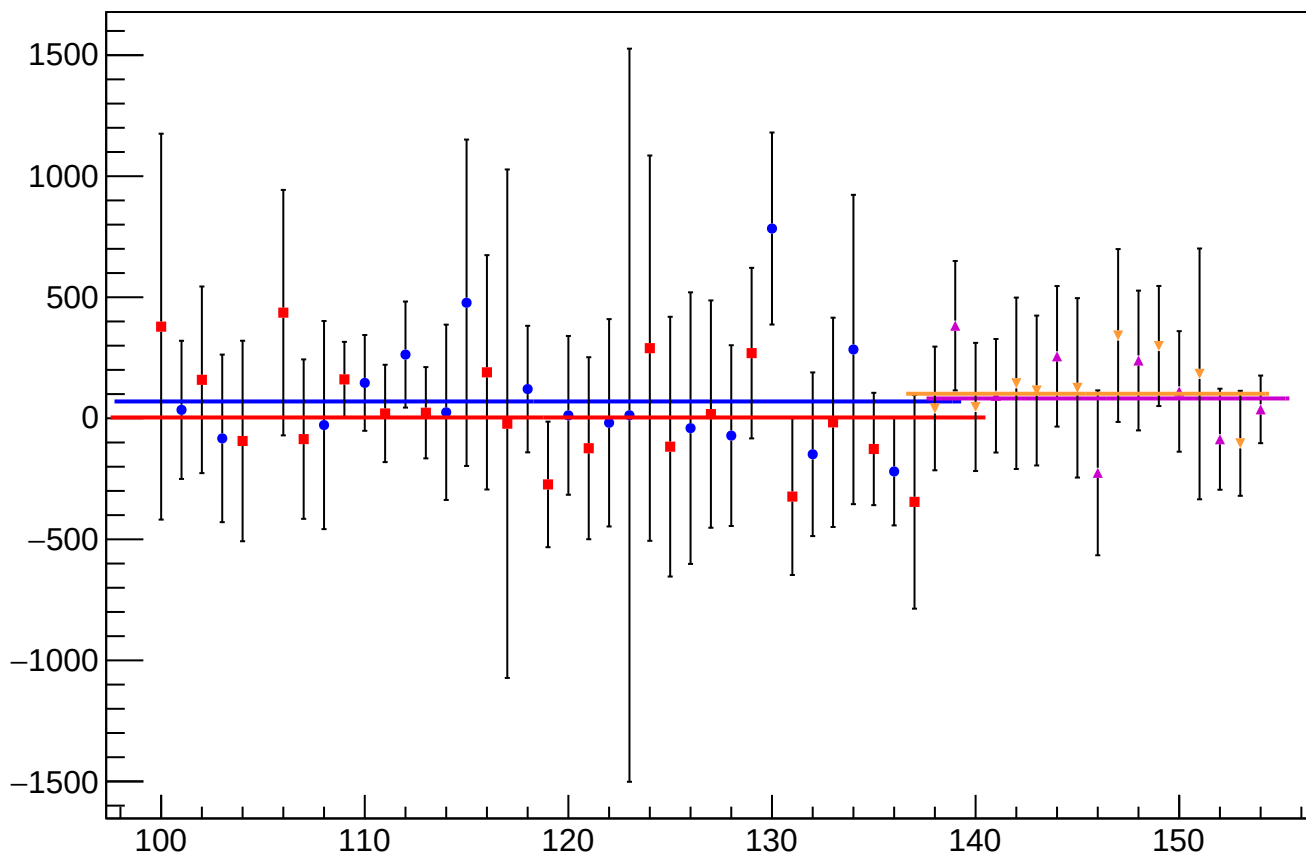
Left In: 2340.994 +/- 0.656 χ^2/NDF : 146851.8/7

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

2419.035 +/- 0.332 χ^2/NDF : 553519.3/53

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

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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

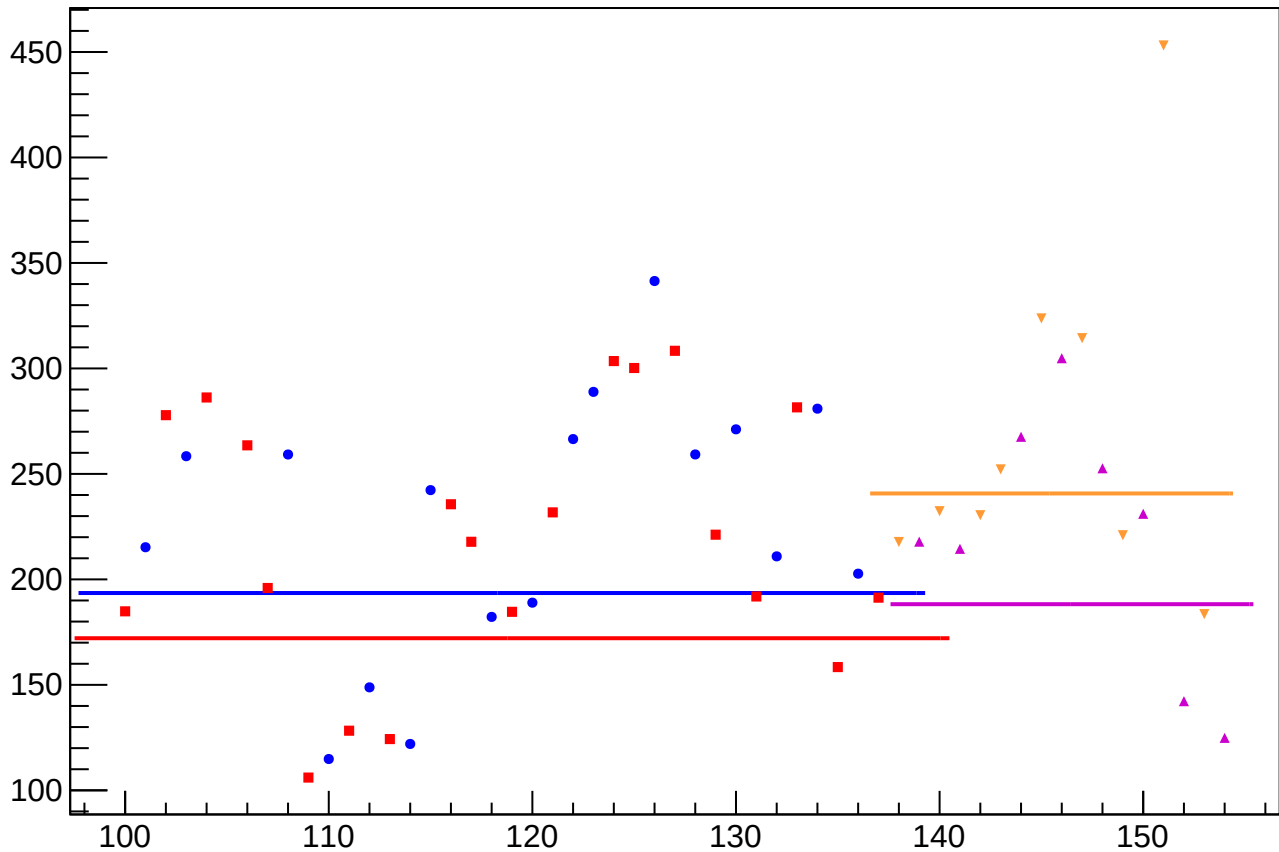
Left In: 81.936 $\pm$ 80.317 χ^2 /NDF: 3.5/7

82.140 $\pm$ 61.486 χ^2 /NDF: 9.5/25

56.250 $\pm$ 40.012 χ^2 /NDF: 20.3/53

37.233 $\pm$ 52.695 χ^2 /NDF: 10.4/27

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.533 $\pm$ 0.056 χ^2 /NDF: 1010428.2/16

Left Out: 240.730 $\pm$ 0.069 χ^2 /NDF: 696026.7/8

Right Out: 172.104 $\pm$ 0.049 χ^2 /NDF: 1580690.9/19

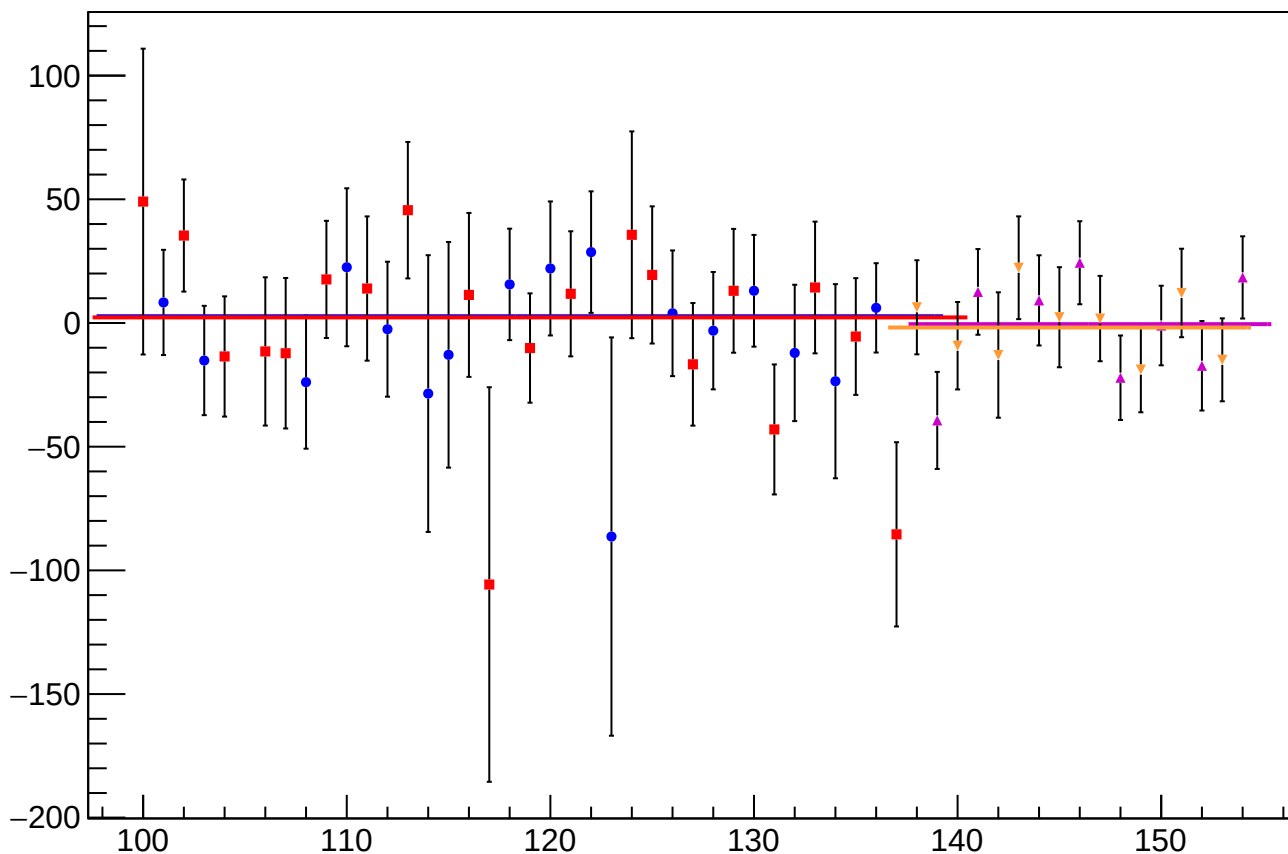
Left In: 188.239 $\pm$ 0.057 χ^2 /NDF: 1101108.9/7

212.157 $\pm$ 0.043 χ^2 /NDF: 1987967.4/25

193.069 $\pm$ 0.028 χ^2 /NDF: 5050054.4/53

179.049 $\pm$ 0.037 χ^2 /NDF: 2727774.1/27

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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

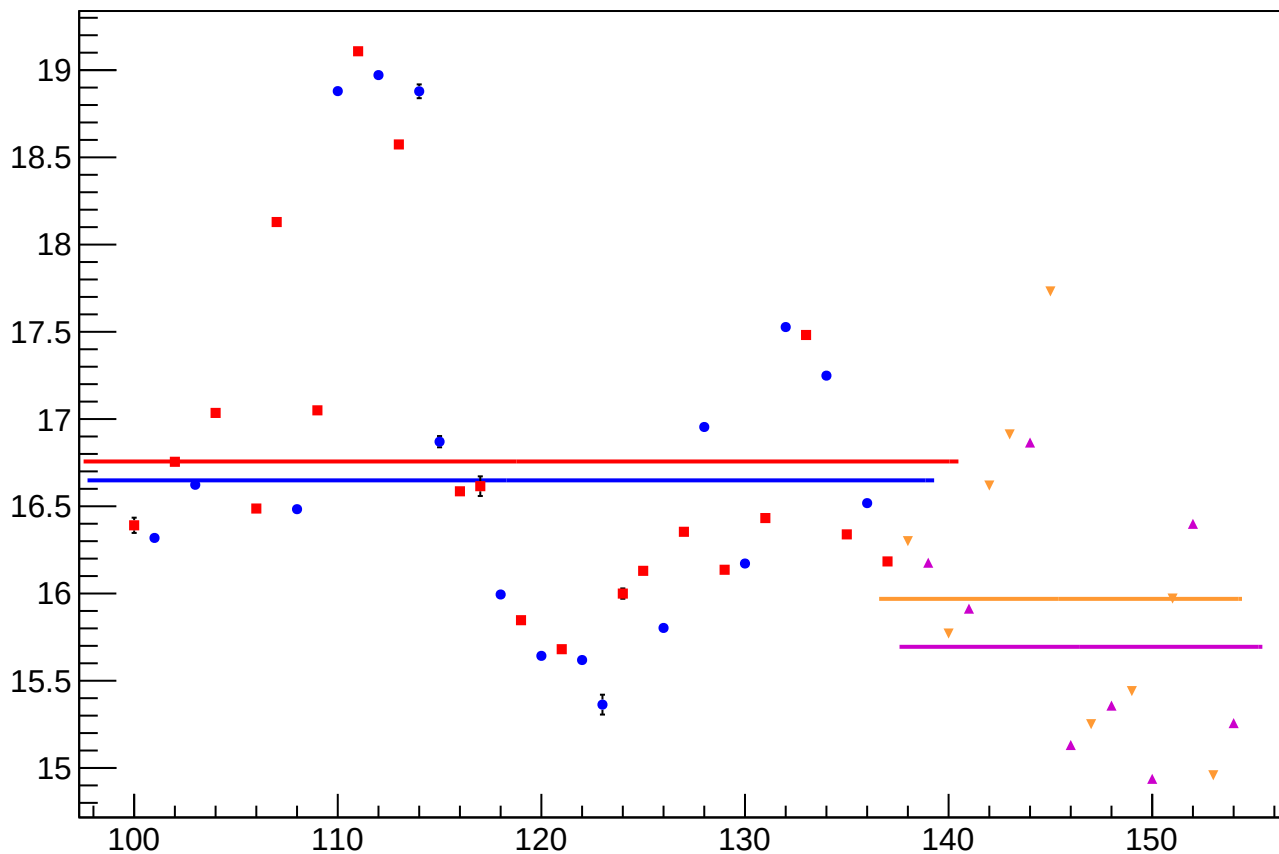
Left In: -0.473 $\pm$ 6.147 χ^2 /NDF: 10.7/7

0.390 $\pm$ 4.476 χ^2 /NDF: 11.2/25

0.634 $\pm$ 3.133 χ^2 /NDF: 41.6/53

0.868 $\pm$ 4.386 χ^2 /NDF: 30.4/27

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

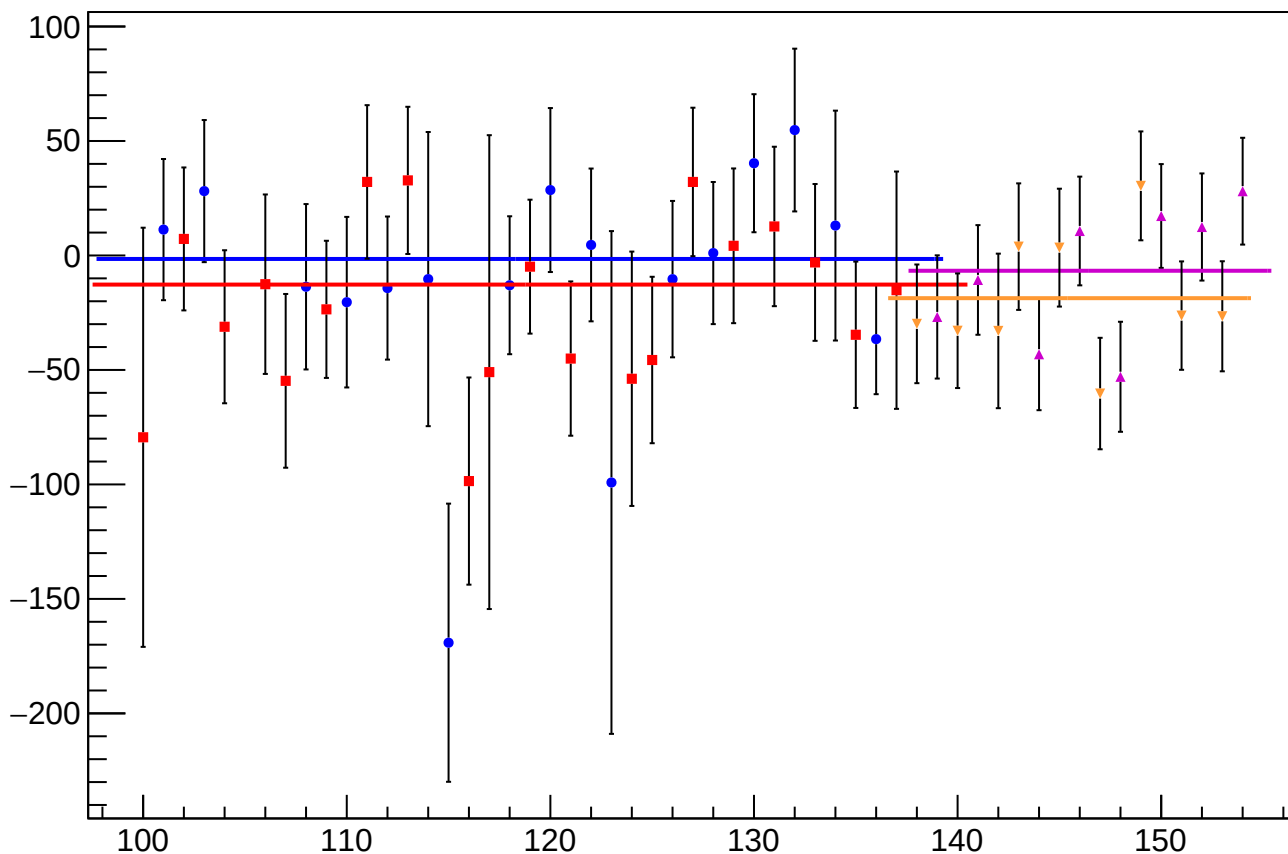
Left In: 15.694 $\pm$ 0.004 χ^2/NDF : 21656.6/7

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

16.257 $\pm$ 0.002 χ^2/NDF : 179442.7/53

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

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.523 ± 8.485 χ^2/NDF : 17.6/16

Left Out: -18.652 ± 8.527 χ^2/NDF : 9.5/8

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

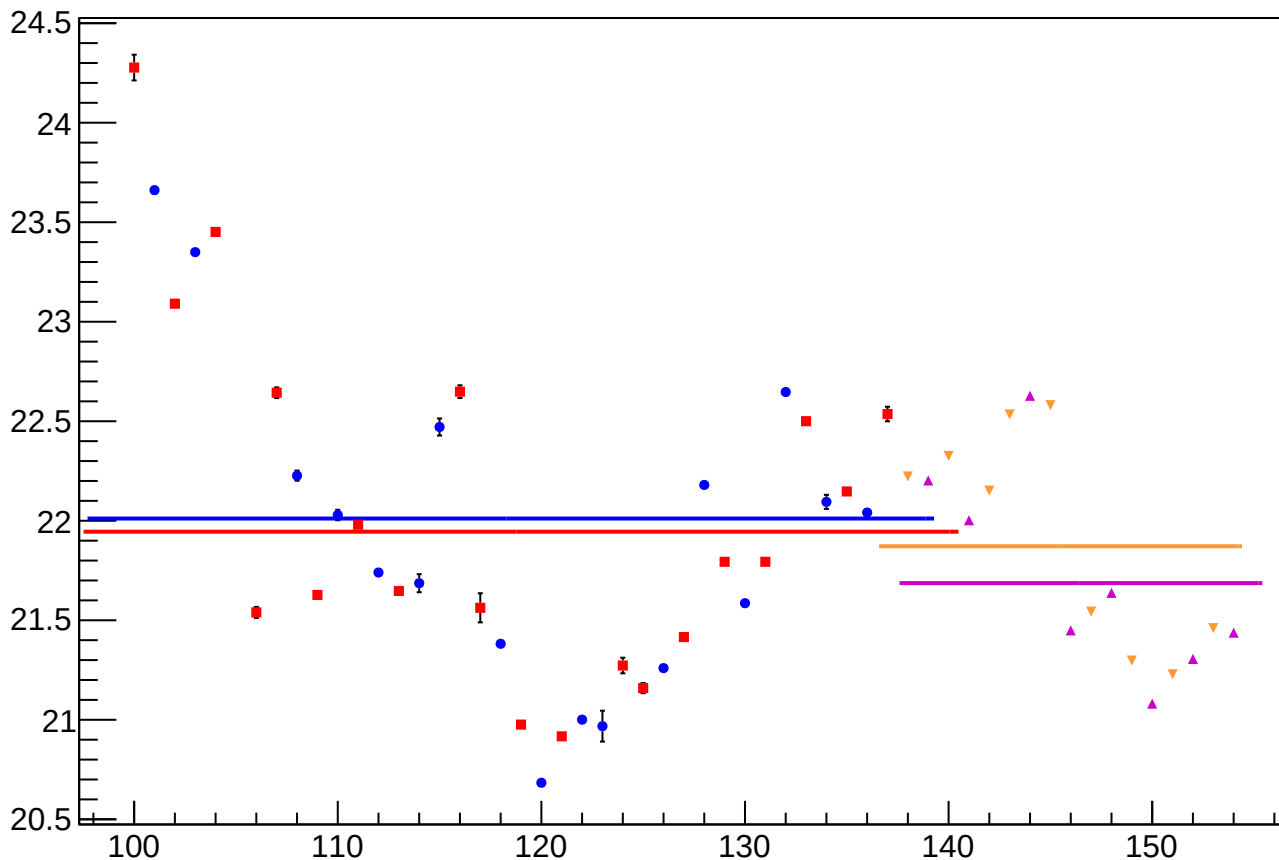
Left In: -6.677 ± 8.477 χ^2/NDF : 11.1/7

-10.045 ± 6.015 χ^2/NDF : 29.1/25

-9.921 ± 4.208 χ^2/NDF : 56.2/53

-9.803 ± 5.888 χ^2/NDF : 27.1/27

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



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

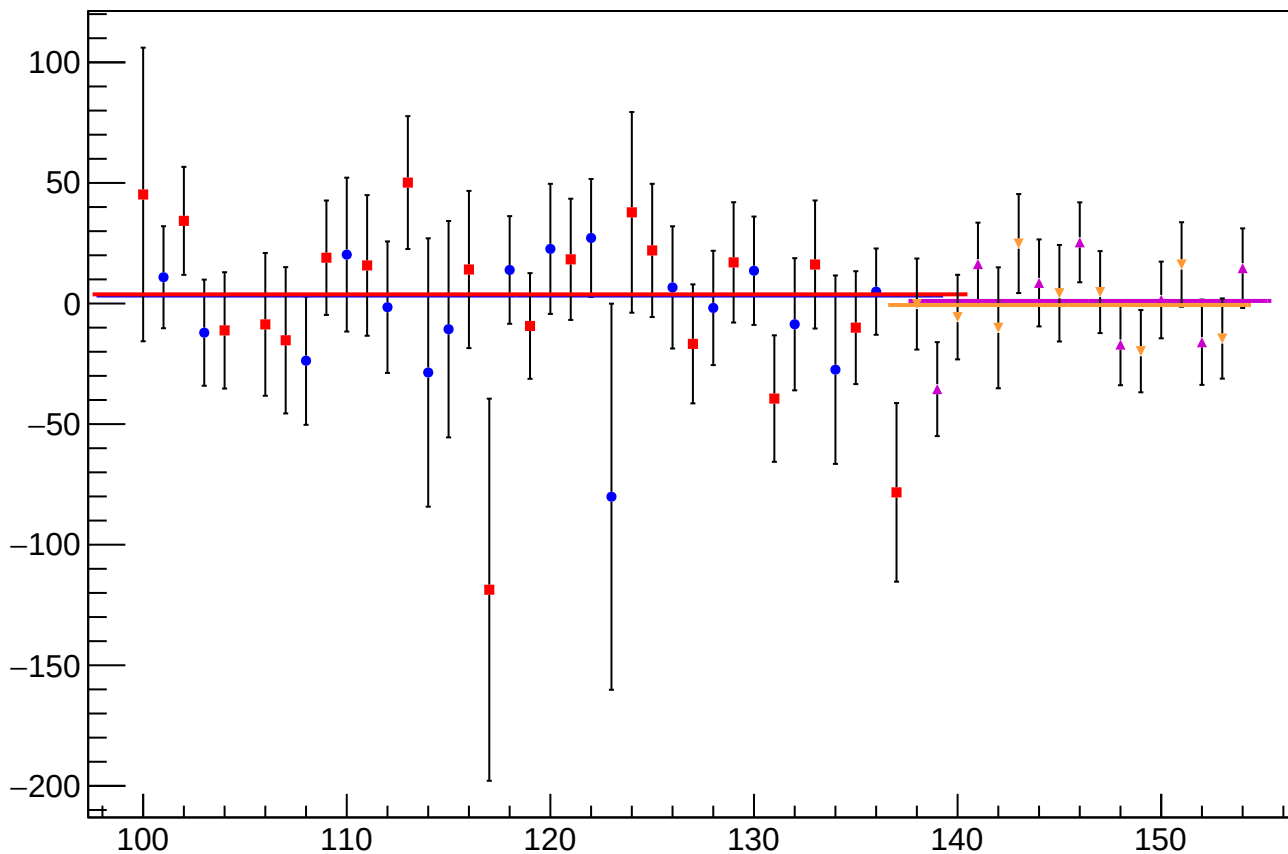
Left In: 21.687 $\pm$ 0.006 χ^2 /NDF: 6444.2/7

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

21.880 $\pm$ 0.003 χ^2 /NDF: 49676.7/53

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, Sign Corrected



Right In: 3.317 ± 6.388 χ^2/NDF : 6.3/16

Left Out: -0.628 ± 6.167 χ^2/NDF : 4.8/8

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

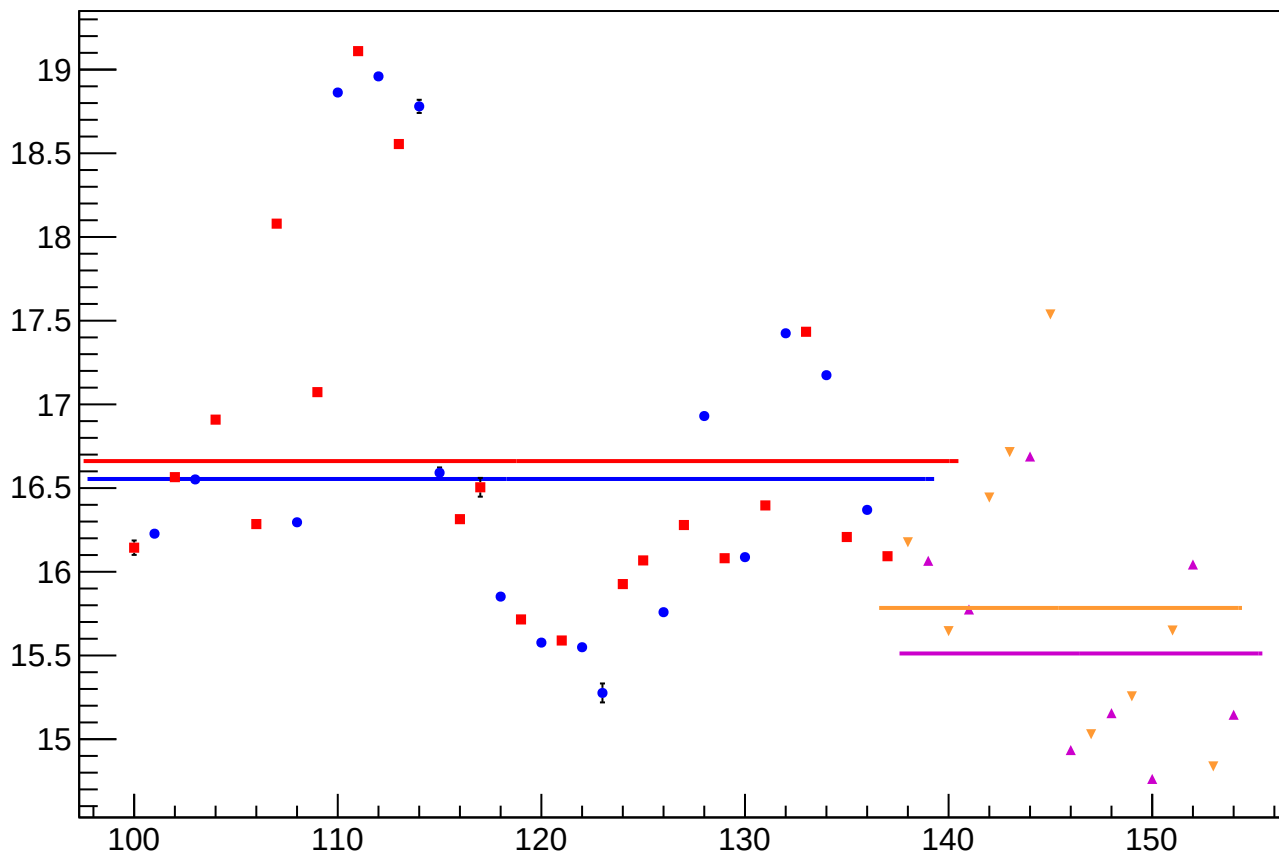
Left In: 1.070 ± 6.075 χ^2/NDF : 9.4/7

1.275 ± 4.437 χ^2/NDF : 11.3/25

1.850 ± 3.105 χ^2/NDF : 40.9/53

2.402 ± 4.347 χ^2/NDF : 29.6/27

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 15.784 $\pm$ 0.004 χ^2 /NDF: 34298.1/8

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

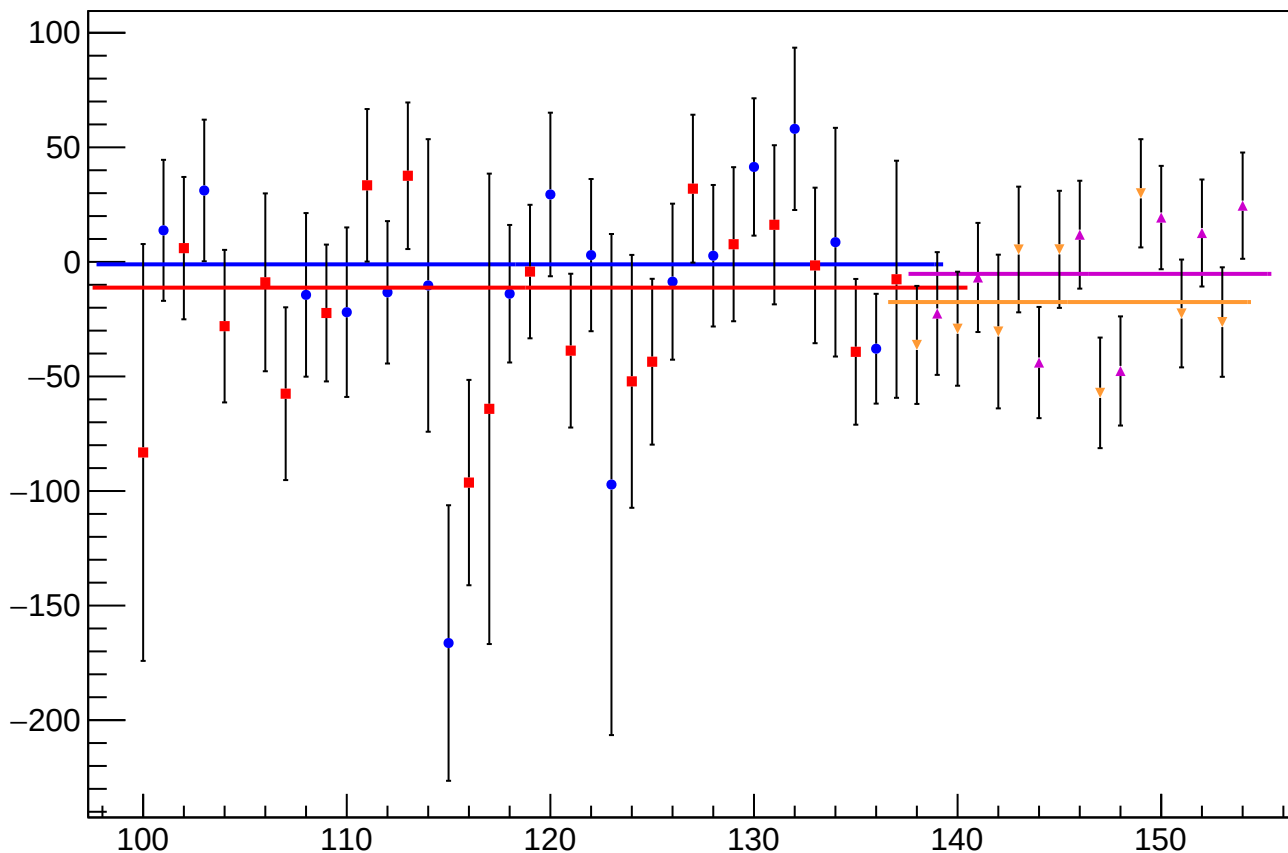
Left In: 15.512 $\pm$ 0.004 χ^2 /NDF: 21152.9/7

16.156 $\pm$ 0.003 χ^2 /NDF: 93827.5/25

16.113 $\pm$ 0.002 χ^2 /NDF: 193332.6/53

16.073 $\pm$ 0.003 χ^2 /NDF: 99148.7/27

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 16.5/19$

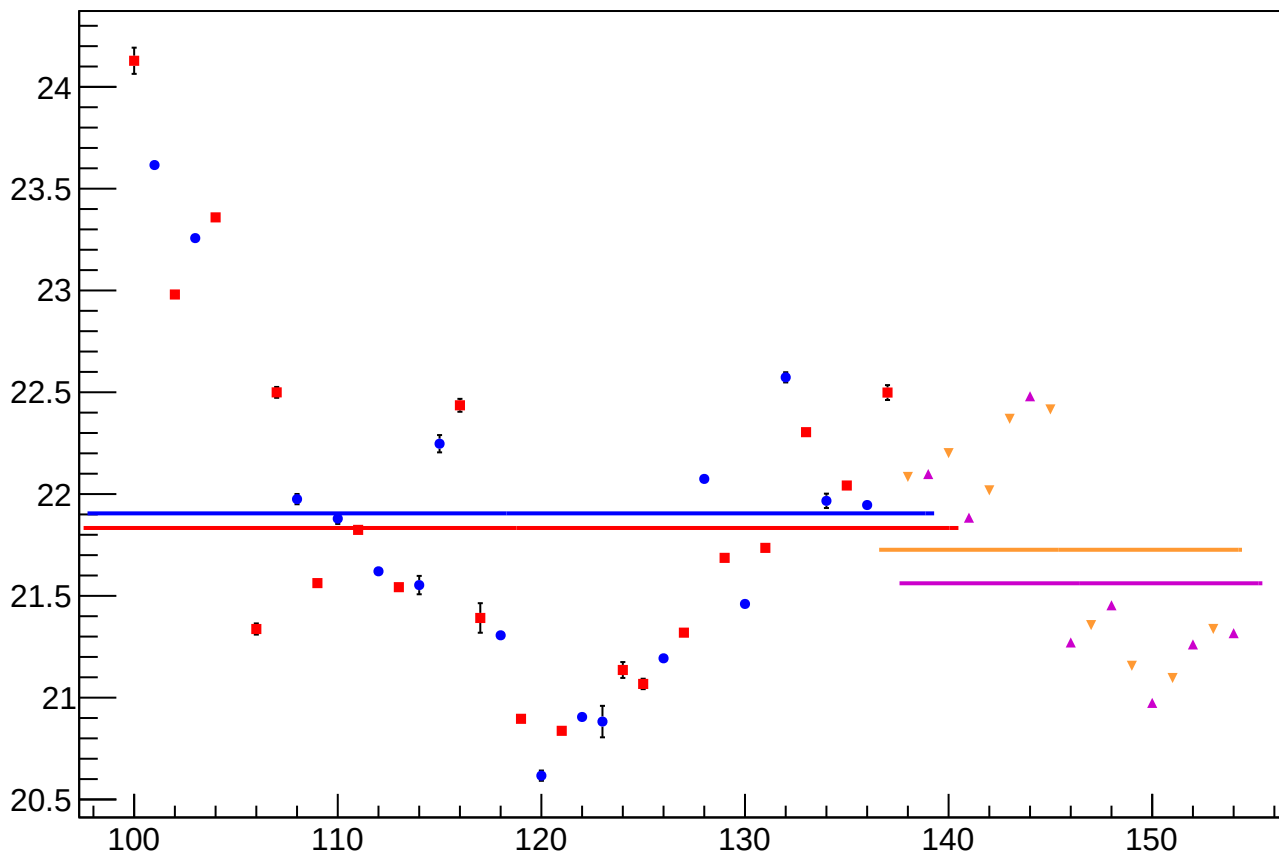
Left In: -5.226 ± 8.428 $\chi^2/\text{NDF}: 10.1/7$

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

-8.793 ± 4.184 $\chi^2/\text{NDF}: 56.5/53$

-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, Sign Corrected



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

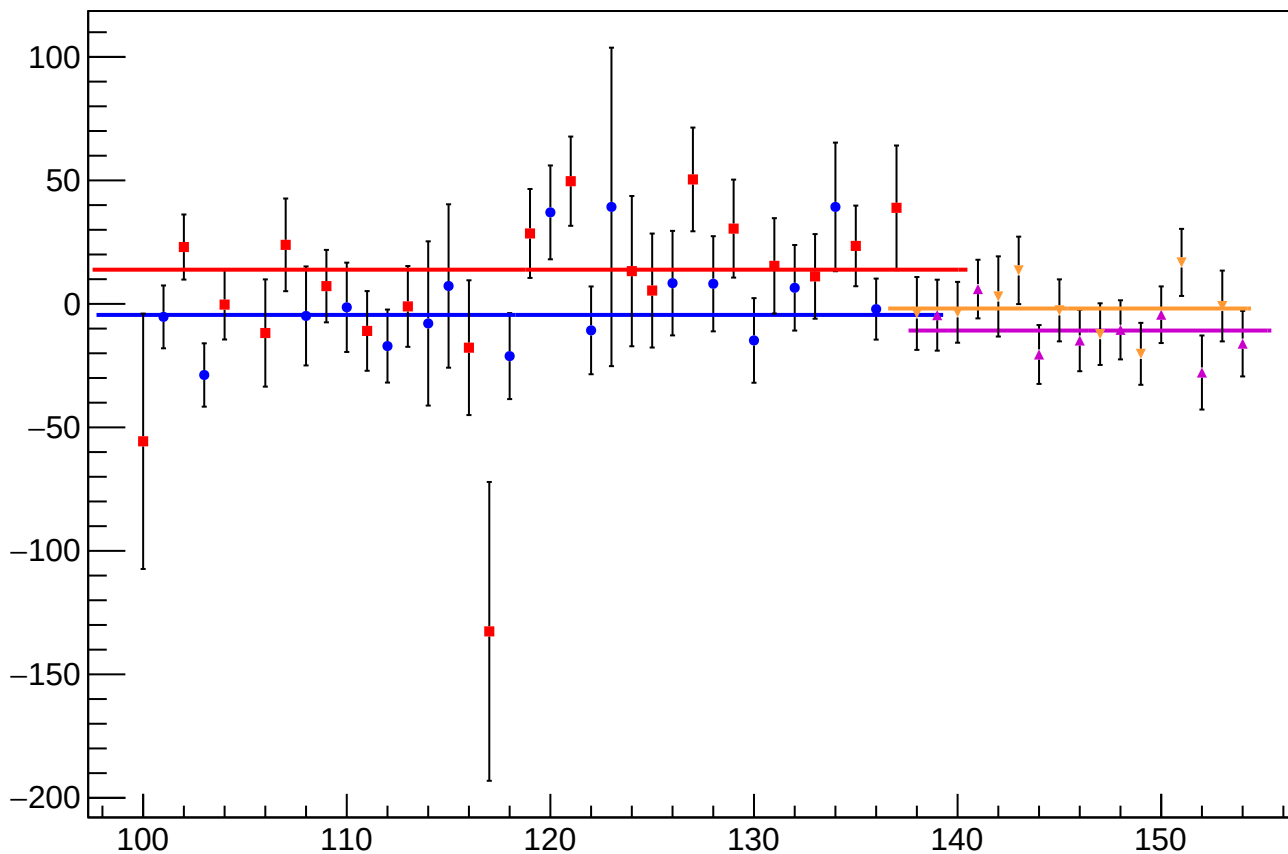
Left In: 21.562 ± 0.006 χ^2/NDF : 6290.2/7

21.816 ± 0.004 χ^2/NDF : 25658.7/25

21.758 ± 0.003 χ^2/NDF : 49681.9/53

21.702 ± 0.004 χ^2/NDF : 23653.4/27

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.461 ± 4.329 χ^2/NDF : 15.2/16

Left Out: -1.865 ± 4.483 χ^2/NDF : 6.1/8

Right Out: 13.851 ± 4.253 χ^2/NDF : 25.4/19

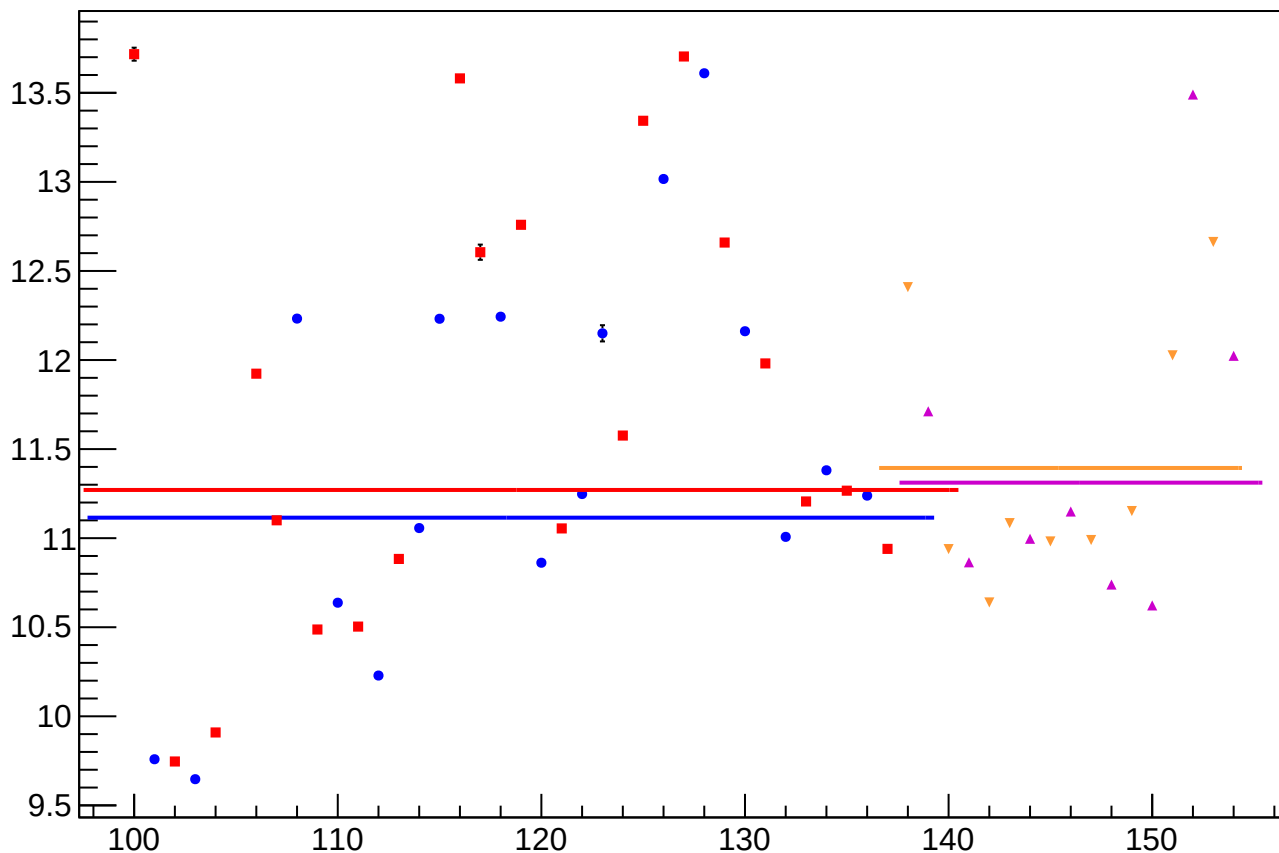
Left In: -10.794 ± 4.465 χ^2/NDF : 4.7/7

-3.208 ± 3.114 χ^2/NDF : 21.5/25

-0.511 ± 2.190 χ^2/NDF : 69.1/53

2.126 ± 3.080 χ^2/NDF : 46.1/27

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 11.394+/-0.003 χ^2/NDF : 42579.0/8

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

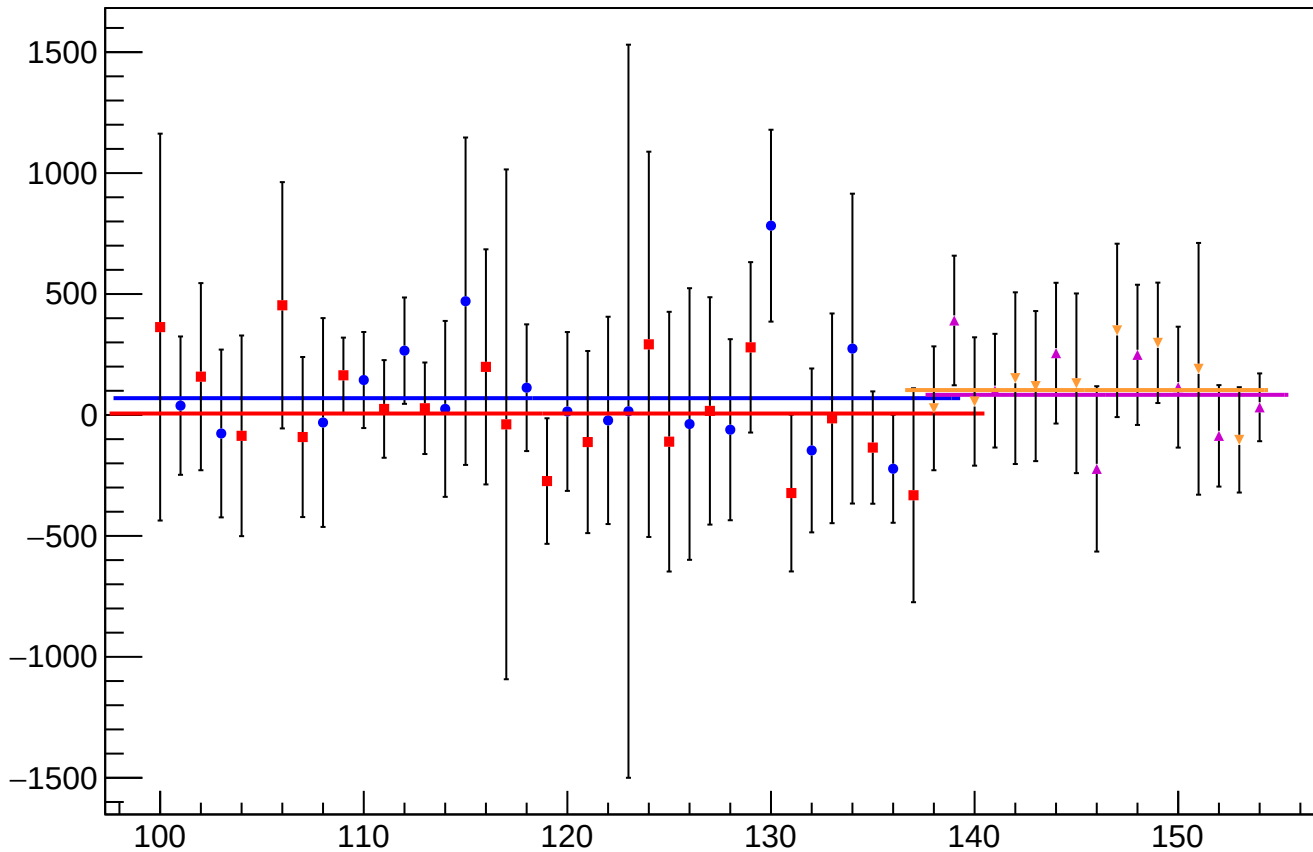
Left In: 11.312+/-0.003 χ^2/NDF : 65915.5/7

11.250+/-0.002 χ^2/NDF : 179646.9/25

11.270+/-0.002 χ^2/NDF : 394282.9/53

11.290+/-0.002 χ^2/NDF : 214465.6/27

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 102.964+/-98.183 χ^2/NDF : 2.2/8

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

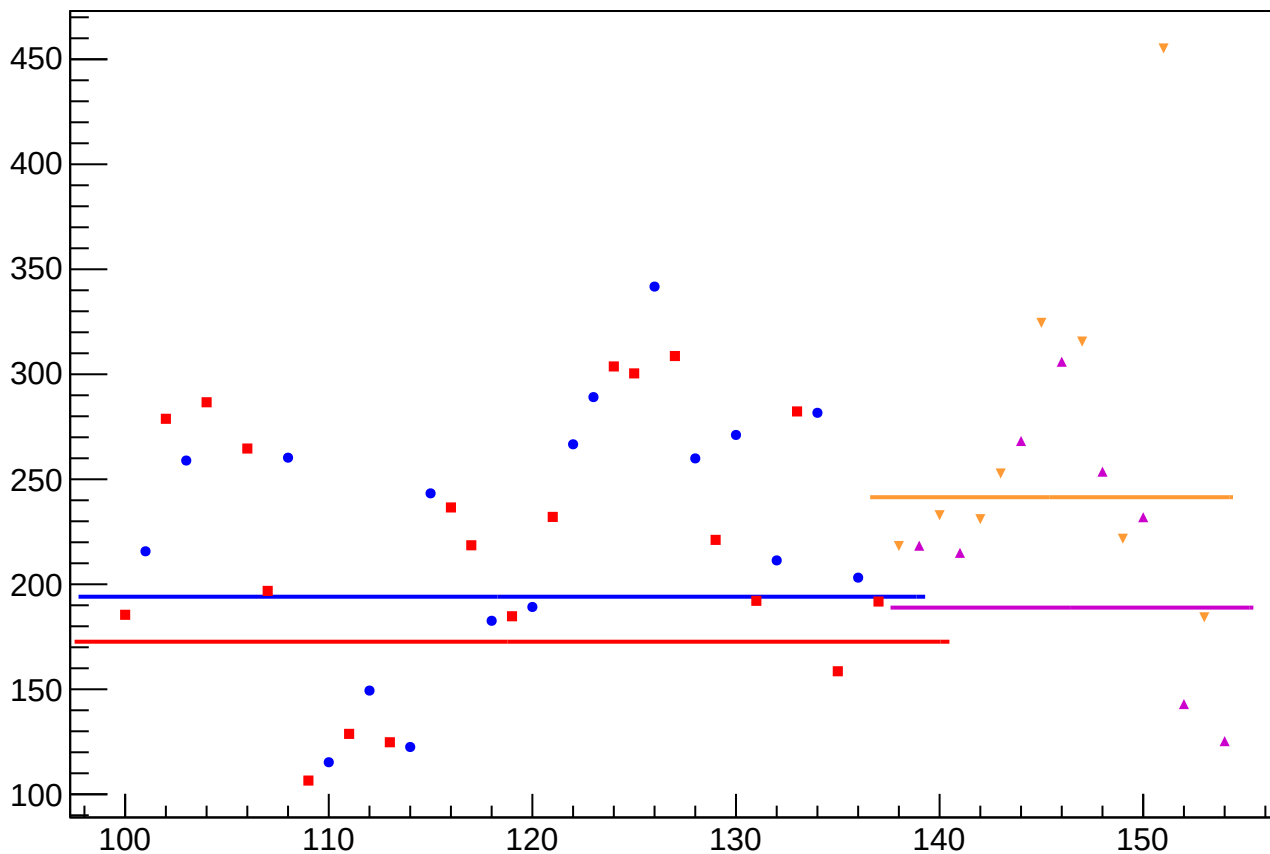
Left In: 83.274+/-80.590 χ^2/NDF : 3.6/7

82.680+/-61.659 χ^2/NDF : 9.5/25

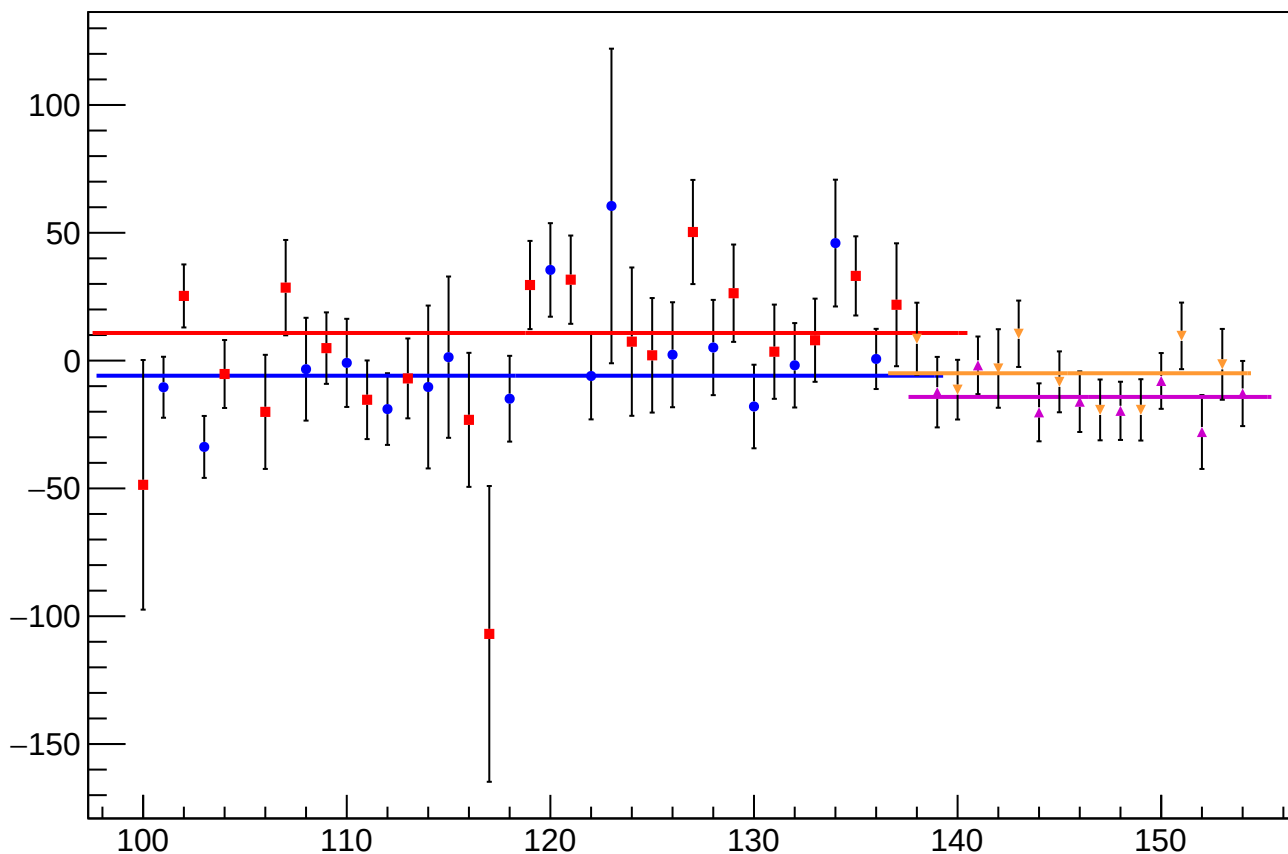
57.643+/-40.131 χ^2/NDF : 20.4/53

39.242+/-52.859 χ^2/NDF : 10.6/27

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.912 ± 4.133 χ^2/NDF : 18.8/16

Left Out: -4.950 ± 4.276 χ^2/NDF : 6.9/8

Right Out: 10.806 ± 4.068 χ^2/NDF : 27.0/19

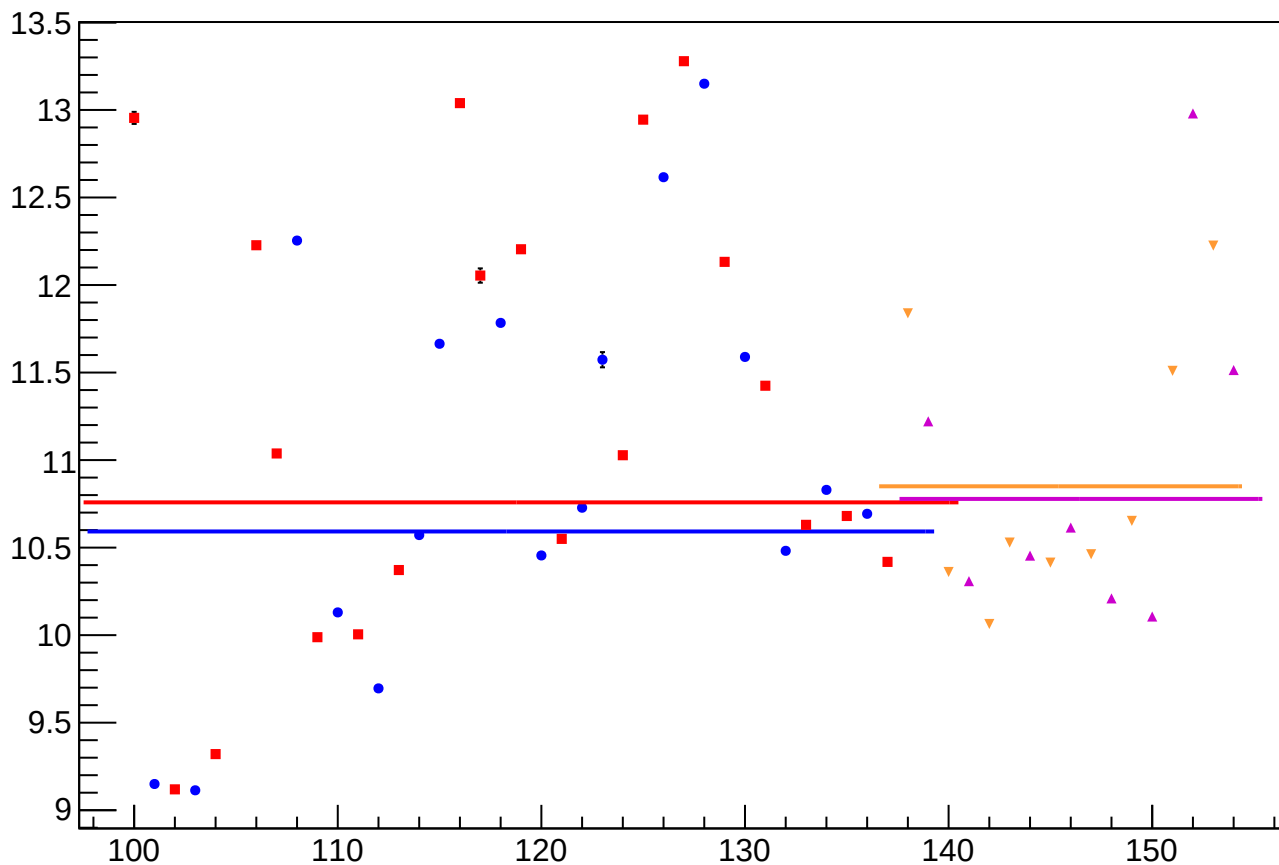
Left In: -14.211 ± 4.261 χ^2/NDF : 3.0/7

-5.448 ± 2.972 χ^2/NDF : 25.8/25

-3.265 ± 2.091 χ^2/NDF : 74.9/53

-1.124 ± 2.943 χ^2/NDF : 48.1/27

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.592 ± 0.003 $\chi^2/\text{NDF}: 160397.9/16$

Left Out: 10.850 ± 0.003 $\chi^2/\text{NDF}: 49964.6/8$

Right Out: 10.758 ± 0.003 $\chi^2/\text{NDF}: 177903.3/19$

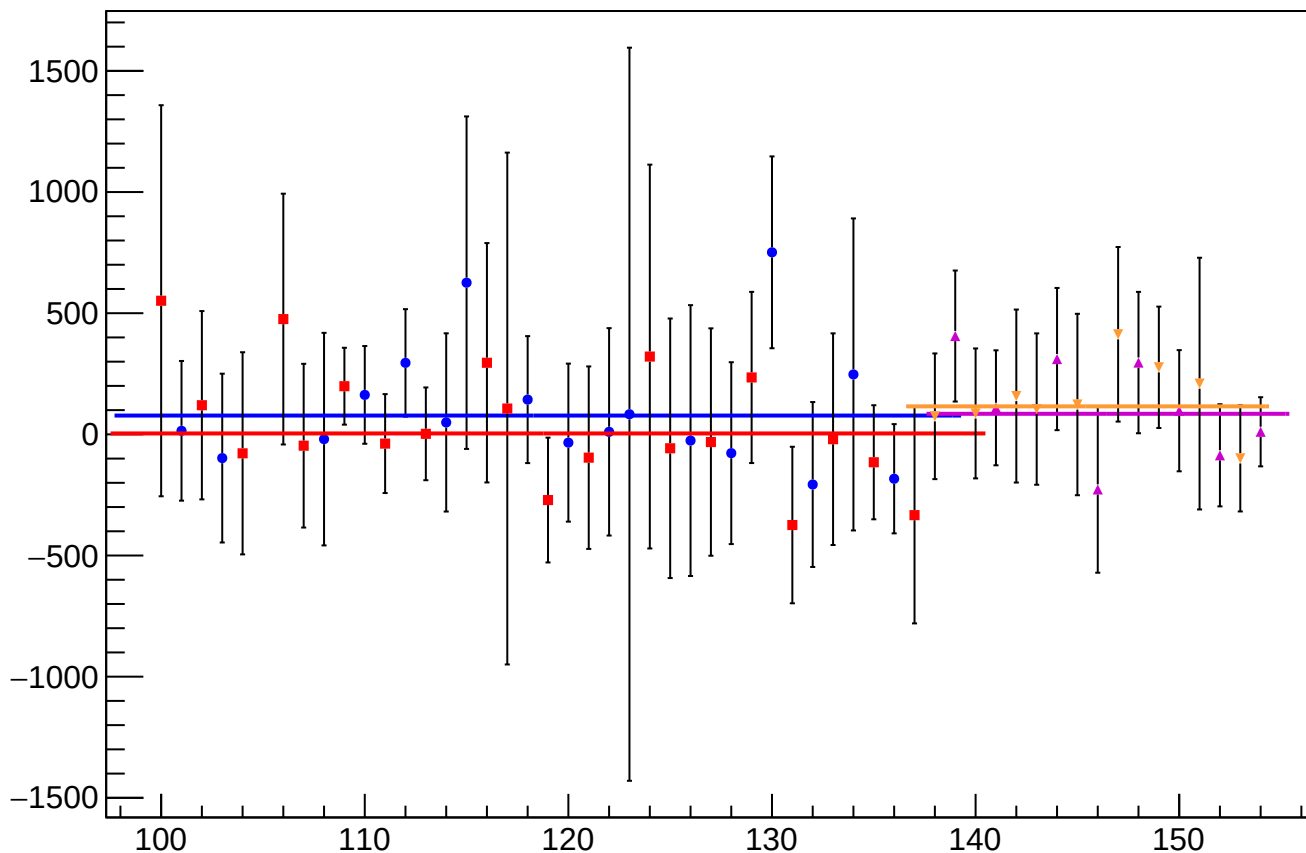
Left In: 10.778 ± 0.003 $\chi^2/\text{NDF}: 73193.1/7$

10.717 ± 0.002 $\chi^2/\text{NDF}: 214126.3/25$

10.743 ± 0.001 $\chi^2/\text{NDF}: 465542.6/53$

10.768 ± 0.002 $\chi^2/\text{NDF}: 251118.9/27$

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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

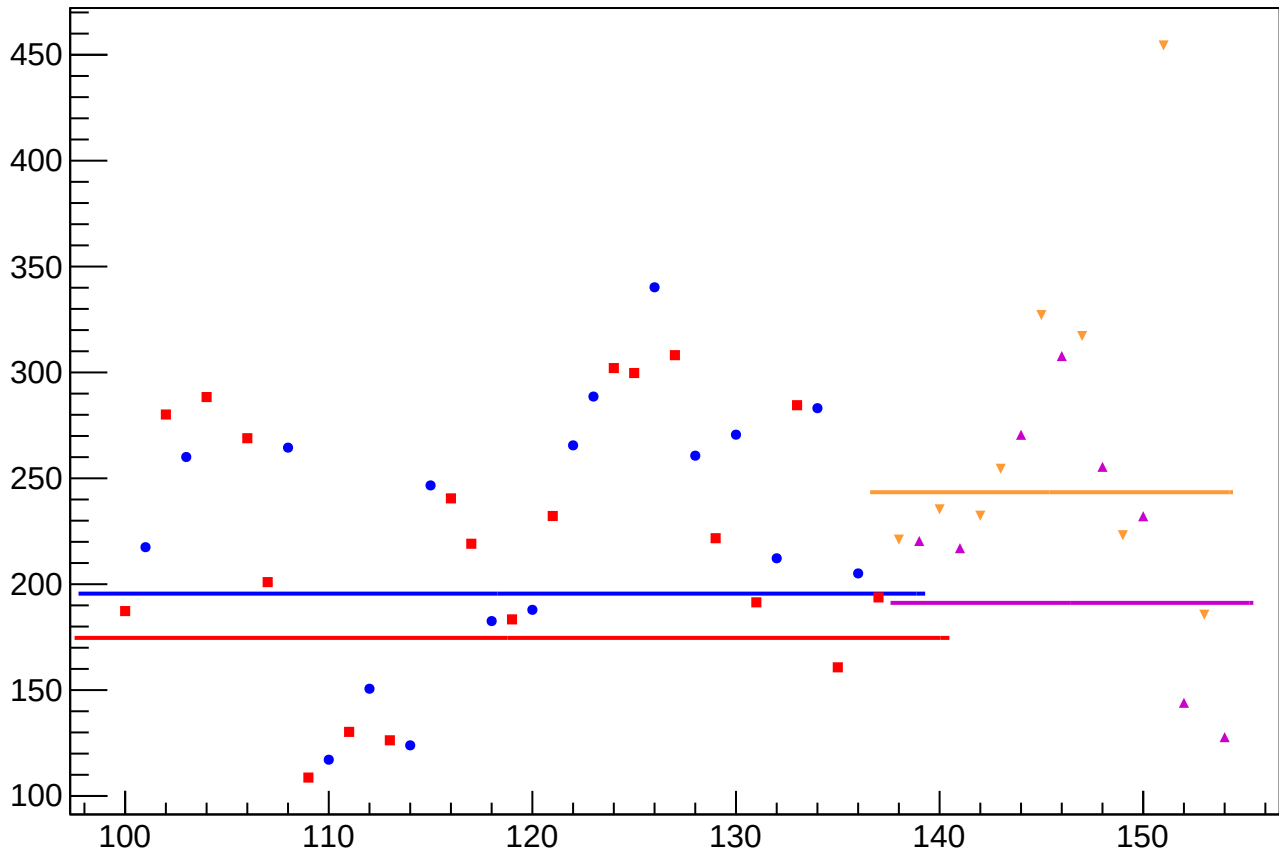
Left In: 84.835+/-81.411 χ^2/NDF : 4.3/7

92.536+/-62.087 χ^2/NDF : 9.8/25

61.534+/-40.476 χ^2/NDF : 22.4/53

38.619+/-53.379 χ^2/NDF : 12.2/27

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 243.439 +/- 0.070 χ^2/NDF : 687310.8/8

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

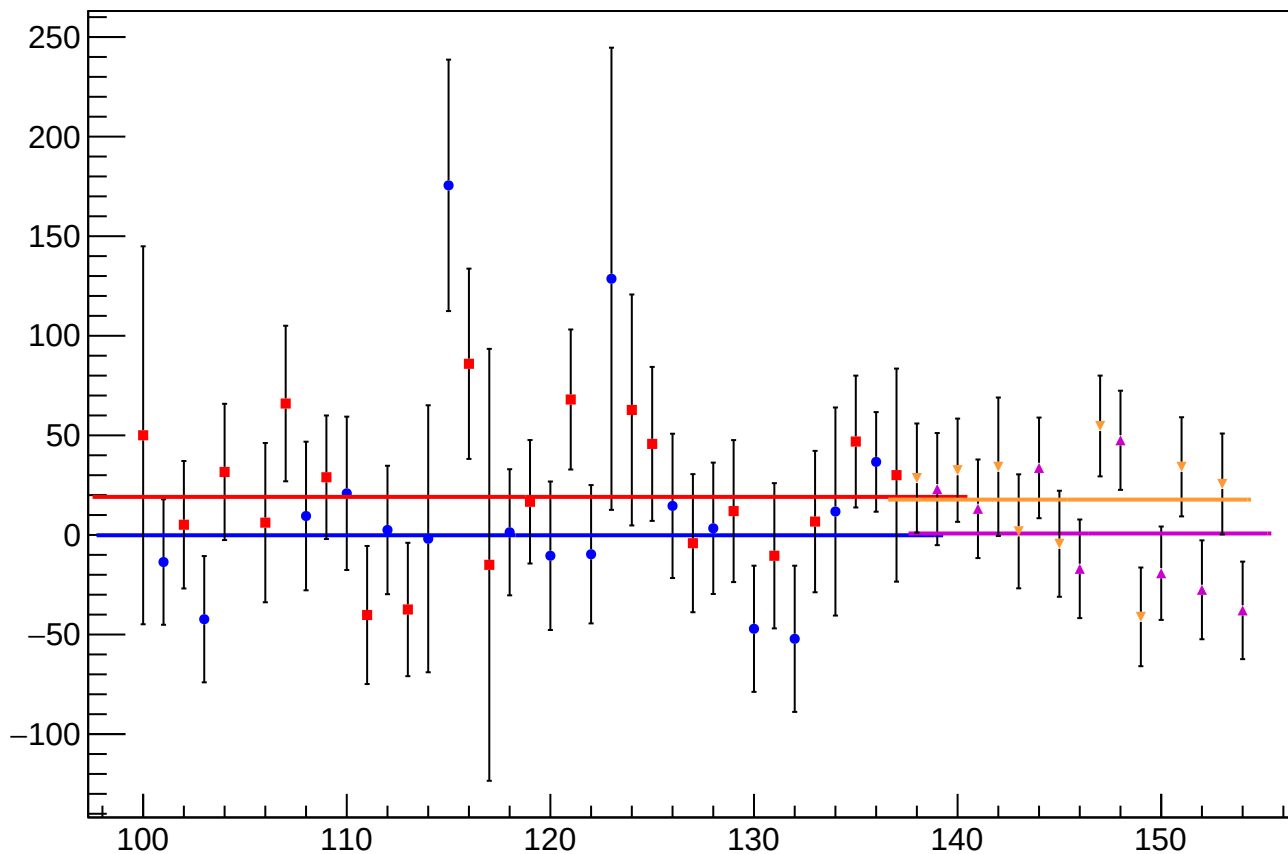
Left In: 191.188 +/- 0.058 χ^2/NDF : 1068936.9/7

214.415 +/- 0.044 χ^2/NDF : 1951314.3/25

195.638 +/- 0.029 χ^2/NDF : 4917620.6/53

181.759 +/- 0.038 χ^2/NDF : 2648183.2/27

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 17.740 ± 8.893 χ^2/NDF : 10.0/8

Right Out: 19.104 ± 8.527 χ^2/NDF : 14.9/19

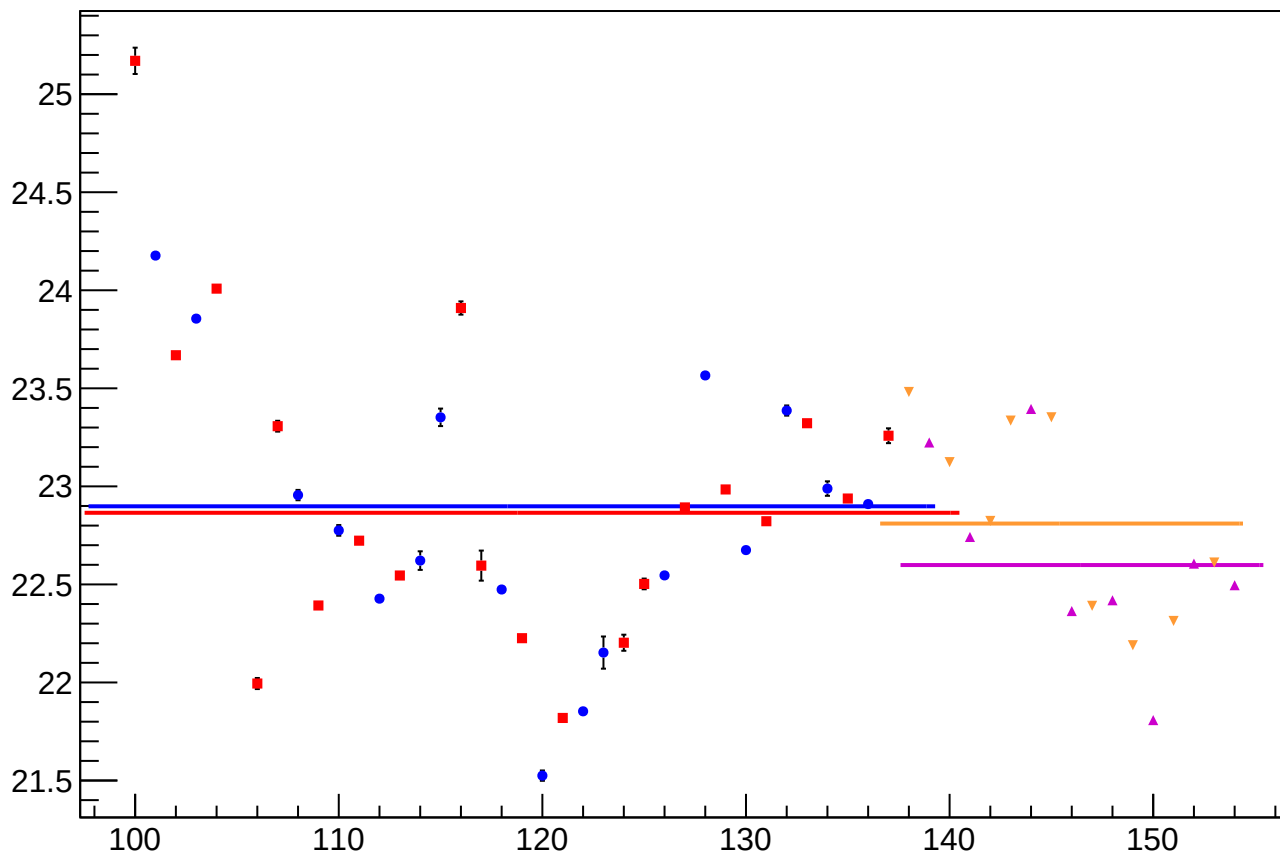
Left In: 0.735 ± 8.834 χ^2/NDF : 11.1/7

8.723 ± 6.265 χ^2/NDF : 30.1/25

9.499 ± 4.383 χ^2/NDF : 58.4/53

10.244 ± 6.135 χ^2/NDF : 28.3/27

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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

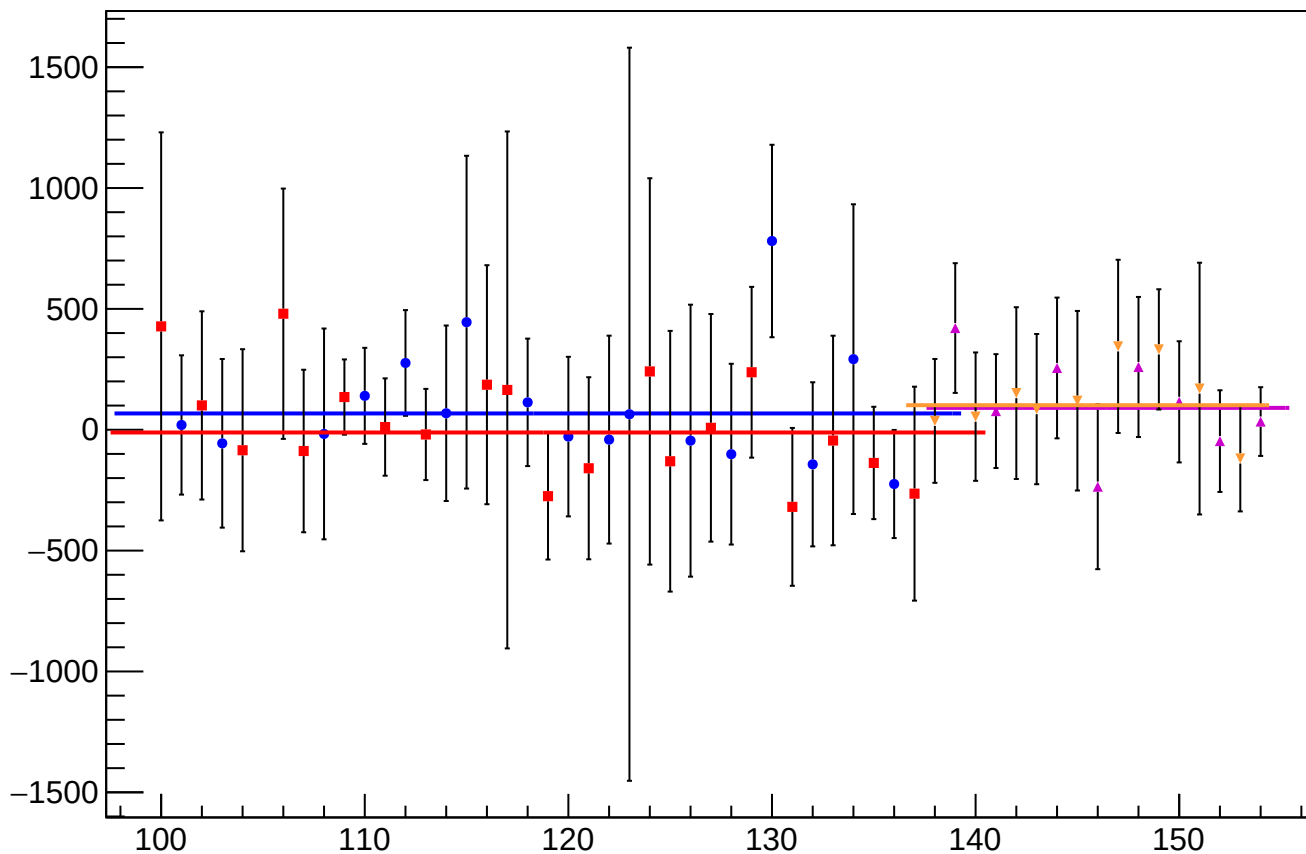
Left In: 22.599 $\pm$ 0.006 χ^2 /NDF: 5631.5/7

22.855 $\pm$ 0.004 χ^2 /NDF: 17960.0/25

22.794 $\pm$ 0.003 χ^2 /NDF: 35956.4/53

22.737 $\pm$ 0.004 χ^2 /NDF: 17634.7/27

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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

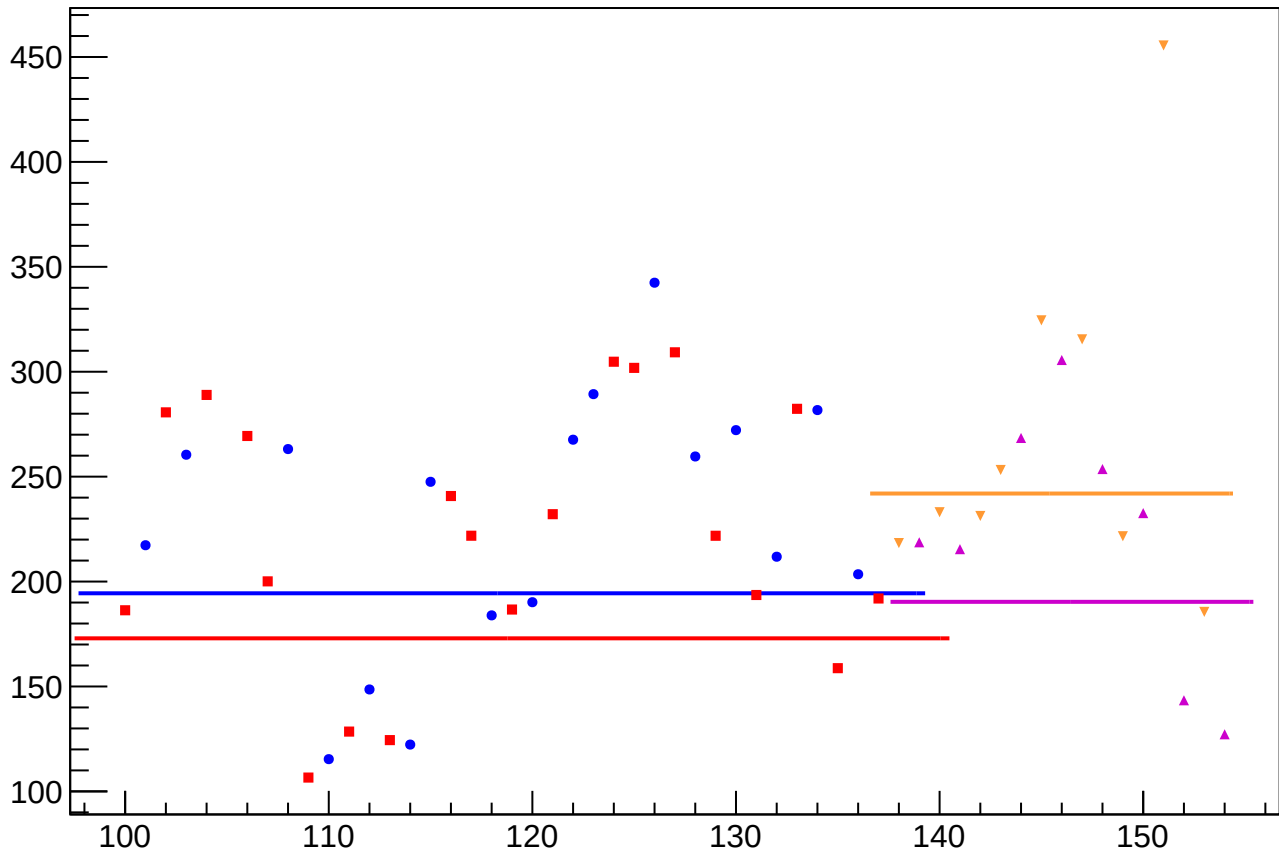
Left In: 90.486 $\pm$ 81.059 χ^2 /NDF: 3.7/7

80.890 $\pm$ 61.780 χ^2 /NDF: 9.9/25

52.927 $\pm$ 40.255 χ^2 /NDF: 20.7/53

32.294 $\pm$ 53.067 χ^2 /NDF: 10.4/27

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.411 +/- 0.056 χ^2/NDF : 1019913.2/16

Left Out: 241.956 +/- 0.070 χ^2/NDF : 688794.7/8

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

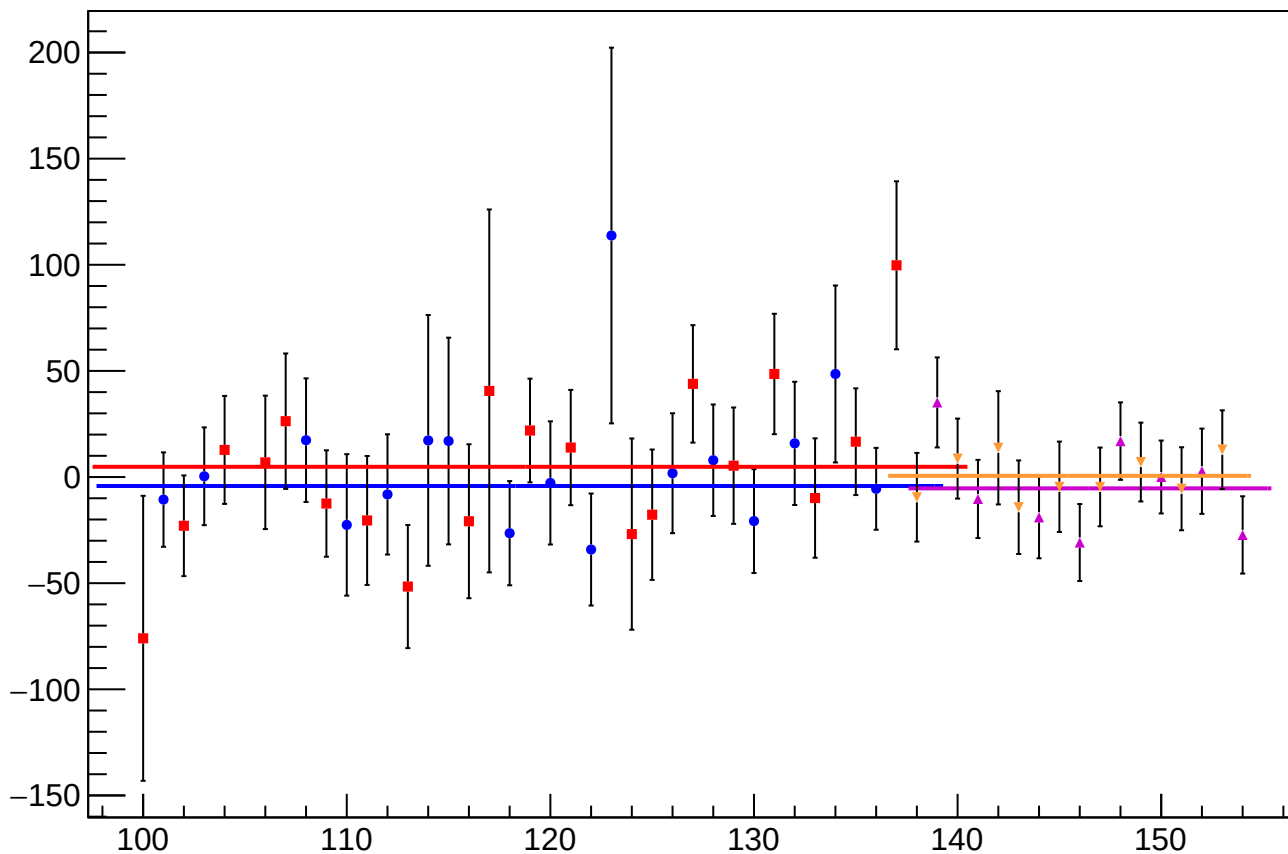
Left In: 190.338 +/- 0.057 χ^2/NDF : 1063055.3/7

213.175 +/- 0.044 χ^2/NDF : 1991703.8/25

194.314 +/- 0.028 χ^2/NDF : 5032288.4/53

180.398 +/- 0.038 χ^2/NDF : 2716649.5/27

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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

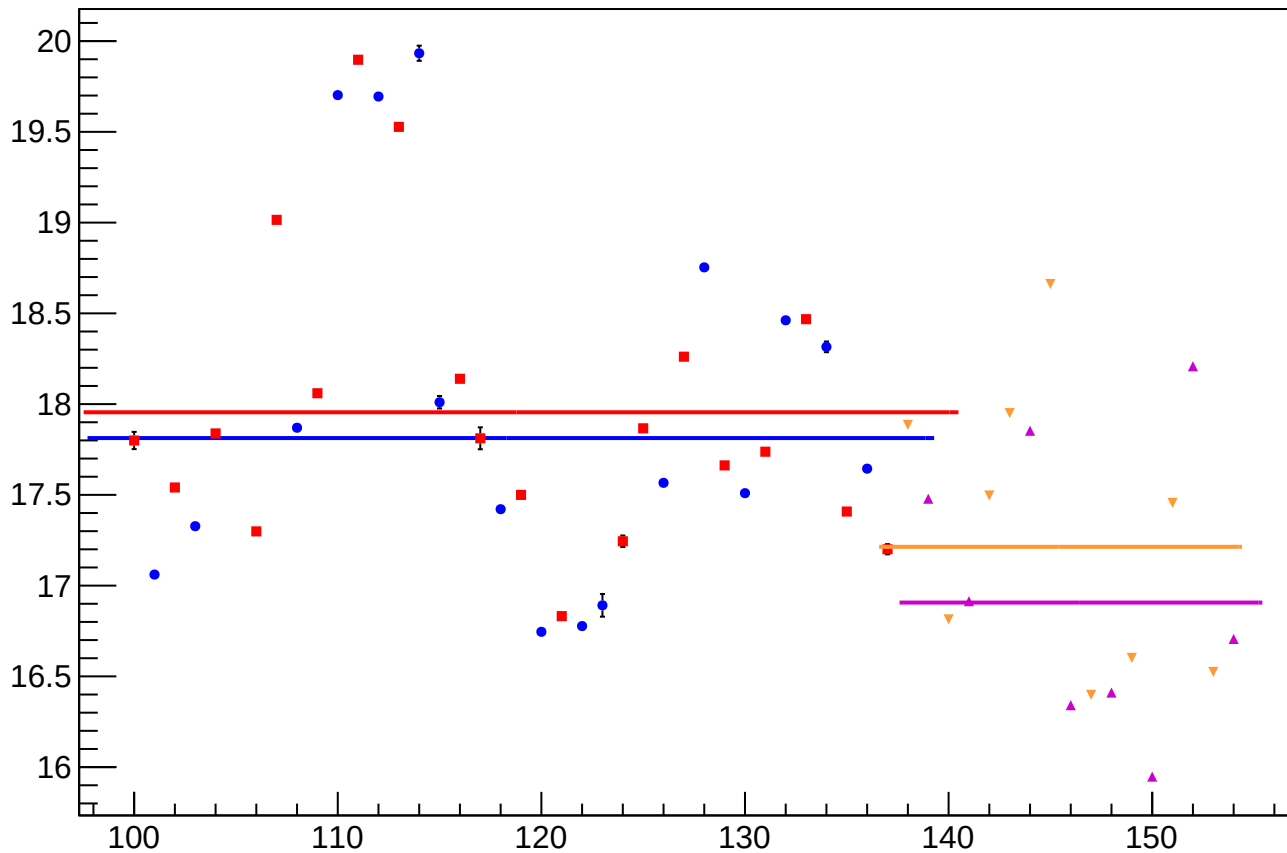
Left In: -5.339 ± 6.623 χ^2/NDF : 9.4/7

-1.774 ± 4.806 χ^2/NDF : 10.2/25

-1.033 ± 3.365 χ^2/NDF : 42.0/53

-0.321 ± 4.712 χ^2/NDF : 31.8/27

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.813 ± 0.005 $\chi^2/\text{NDF}: 32034.8/16$

Left Out: 17.214 ± 0.005 $\chi^2/\text{NDF}: 23792.3/8$

Right Out: 17.955 ± 0.005 $\chi^2/\text{NDF}: 25451.0/19$

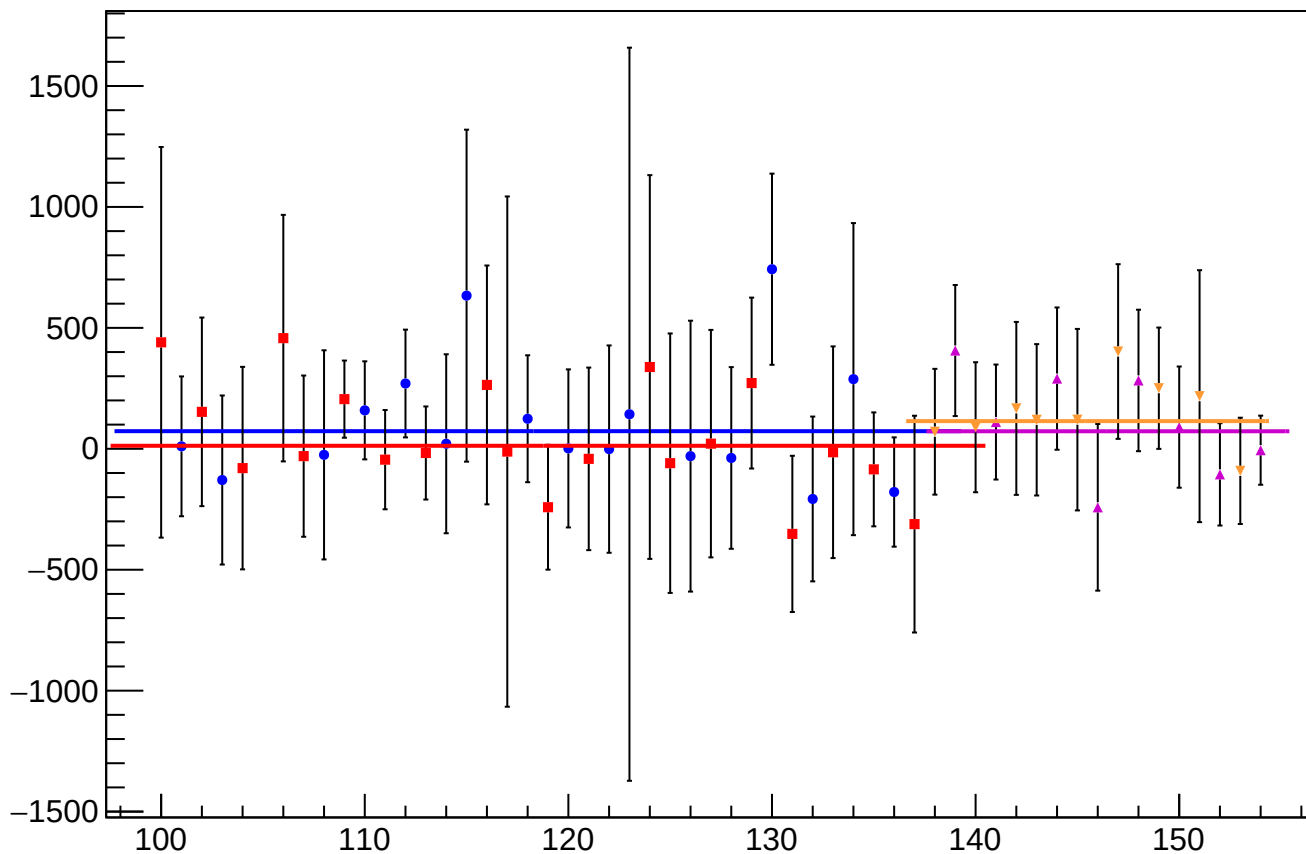
Left In: 16.907 ± 0.005 $\chi^2/\text{NDF}: 24579.0/7$

17.507 ± 0.003 $\chi^2/\text{NDF}: 63593.3/25$

17.465 ± 0.002 $\chi^2/\text{NDF}: 138674.2/53$

17.424 ± 0.003 $\chi^2/\text{NDF}: 74780.7/27$

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



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

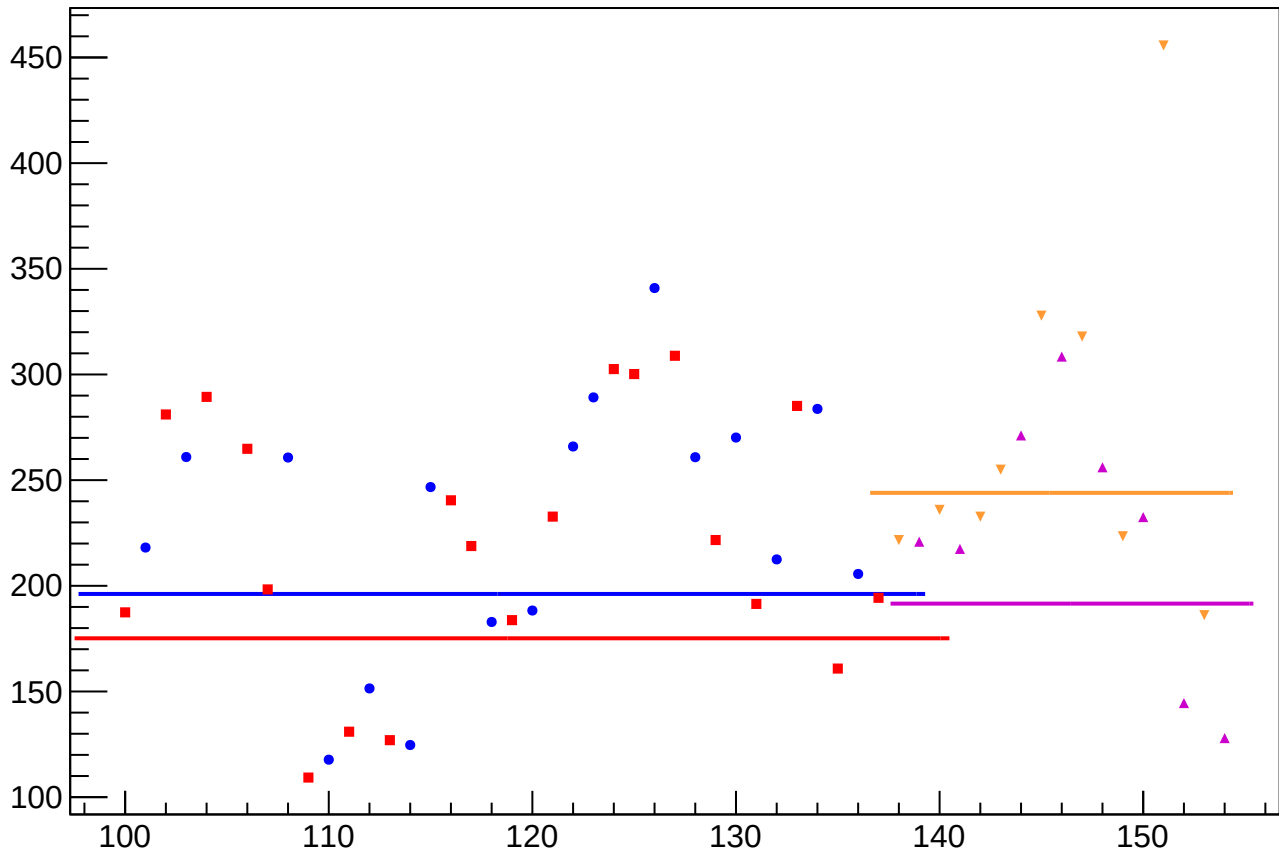
Left In: 72.504 $\pm$ 81.579 χ^2 /NDF: 4.5/7

89.262 $\pm$ 62.236 χ^2 /NDF: 9.2/25

59.939 $\pm$ 40.567 χ^2 /NDF: 21.1/53

38.275 $\pm$ 53.494 χ^2 /NDF: 11.5/27

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.151+/-0.057 χ^2/NDF : 964998.4/16

Left Out: 243.990+/-0.070 χ^2/NDF : 687385.2/8

Right Out: 175.163+/-0.050 χ^2/NDF : 1514398.4/19

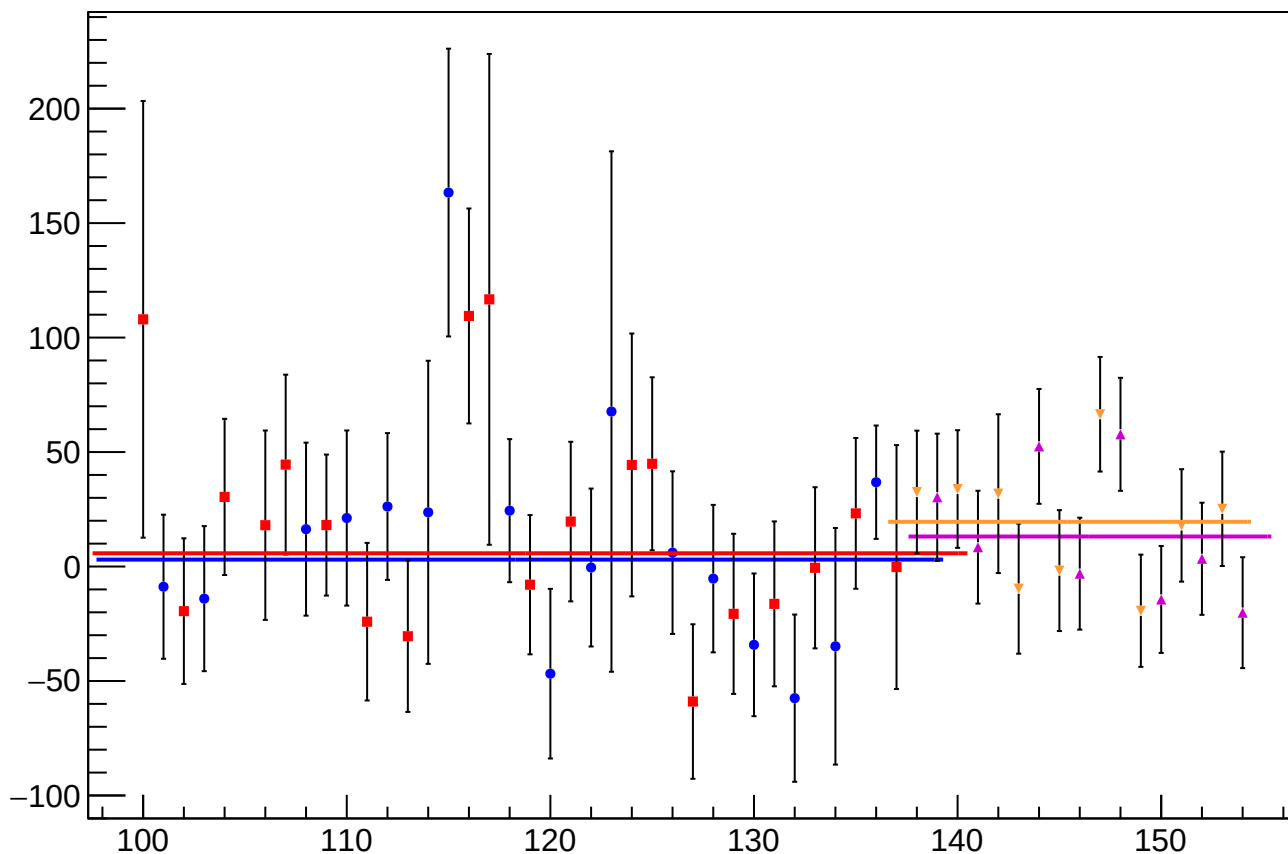
Left In: 191.572+/-0.058 χ^2/NDF : 1070134.7/7

215.000+/-0.044 χ^2/NDF : 1934539.1/25

196.147+/-0.029 χ^2/NDF : 4884329.7/53

182.218+/-0.038 χ^2/NDF : 2630659.6/27

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 18.3/19$

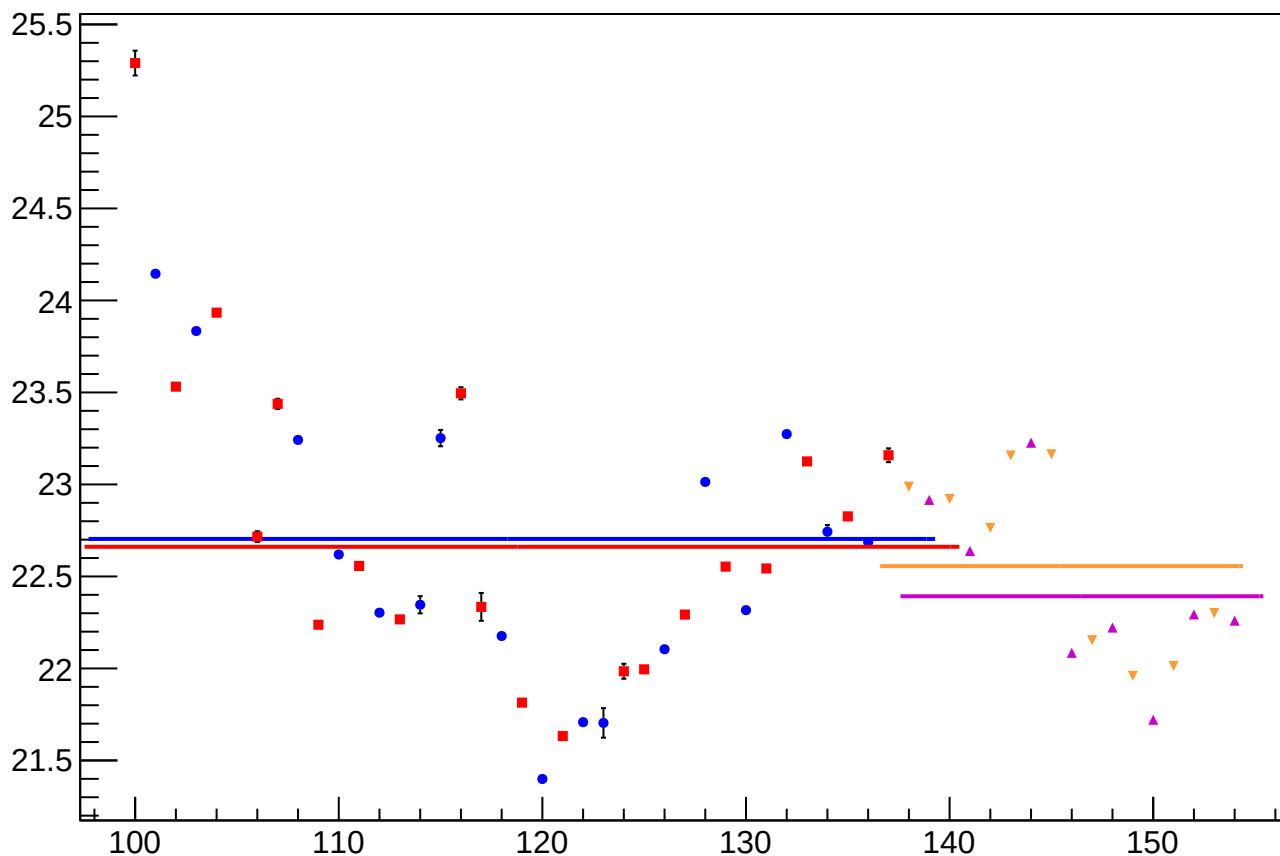
Left In: 13.108 ± 8.752 $\chi^2/\text{NDF}: 10.0/7$

11.240 ± 6.203 $\chi^2/\text{NDF}: 27.4/25$

10.260 ± 4.342 $\chi^2/\text{NDF}: 56.1/53$

9.319 ± 6.079 $\chi^2/\text{NDF}: 28.6/27$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.704+/-0.006 χ^2/NDF : 14105.8/16

Left Out: 22.556+/-0.006 χ^2/NDF : 5836.2/8

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

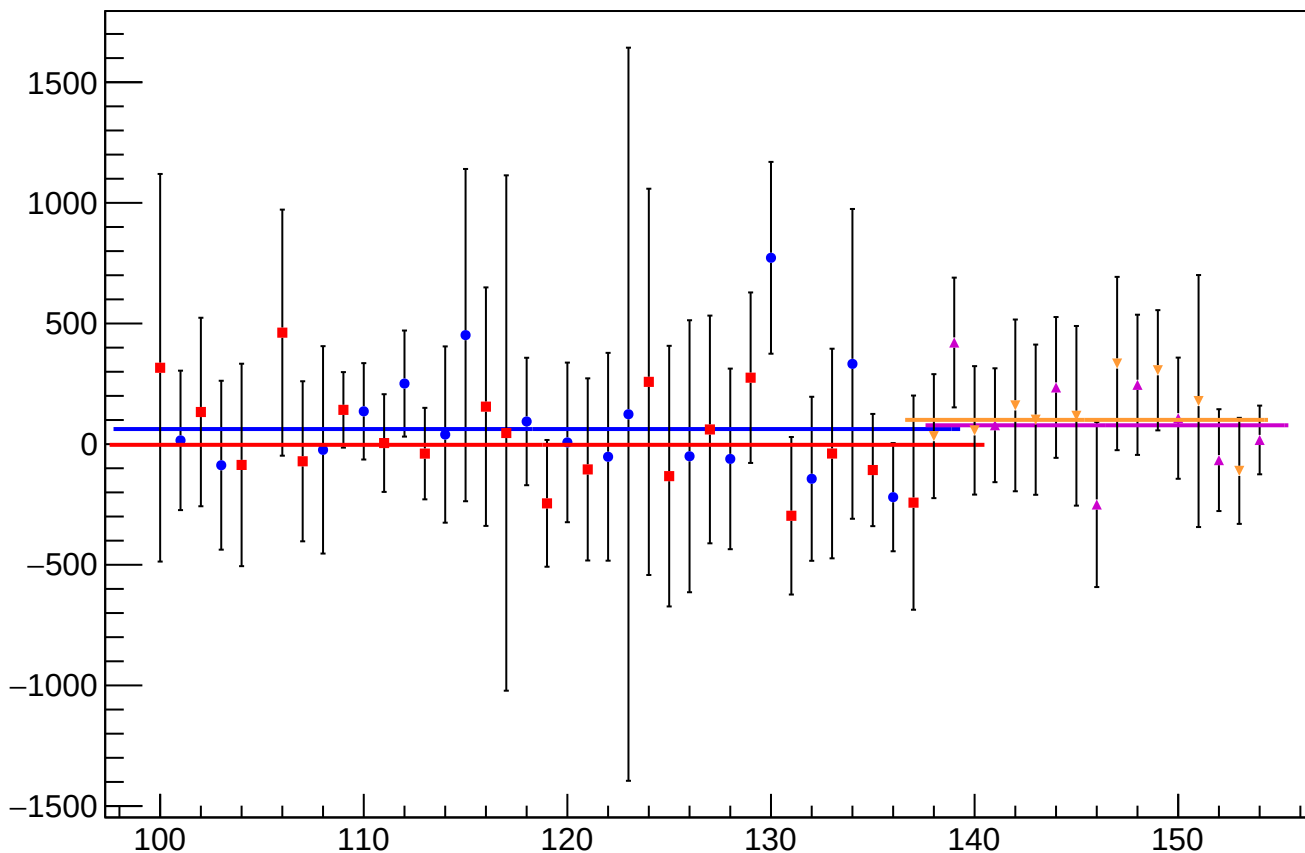
Left In: 22.392+/-0.006 χ^2/NDF : 5279.9/7

22.630+/-0.004 χ^2/NDF : 20226.3/25

22.580+/-0.003 χ^2/NDF : 39704.8/53

22.531+/-0.004 χ^2/NDF : 19219.1/27

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



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

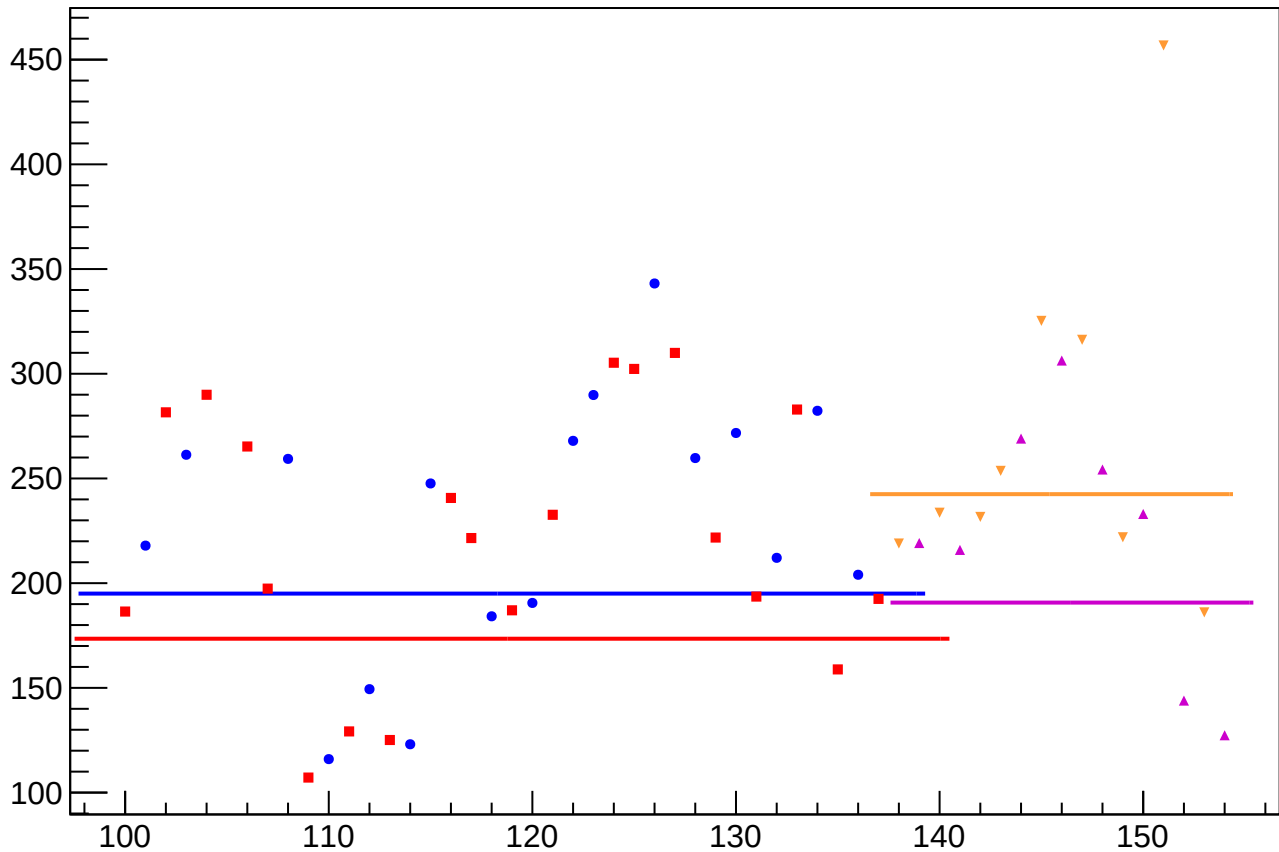
Left In: 78.140 $\pm$ 81.228 χ^2 /NDF: 3.8/7

77.576 $\pm$ 61.929 χ^2 /NDF: 9.3/25

51.279 $\pm$ 40.348 χ^2 /NDF: 19.2/53

31.885 $\pm$ 53.184 χ^2 /NDF: 9.6/27

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



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

Right Out: 173.471 $\pm$ 0.050 χ^2 /NDF: 1582273.4/19

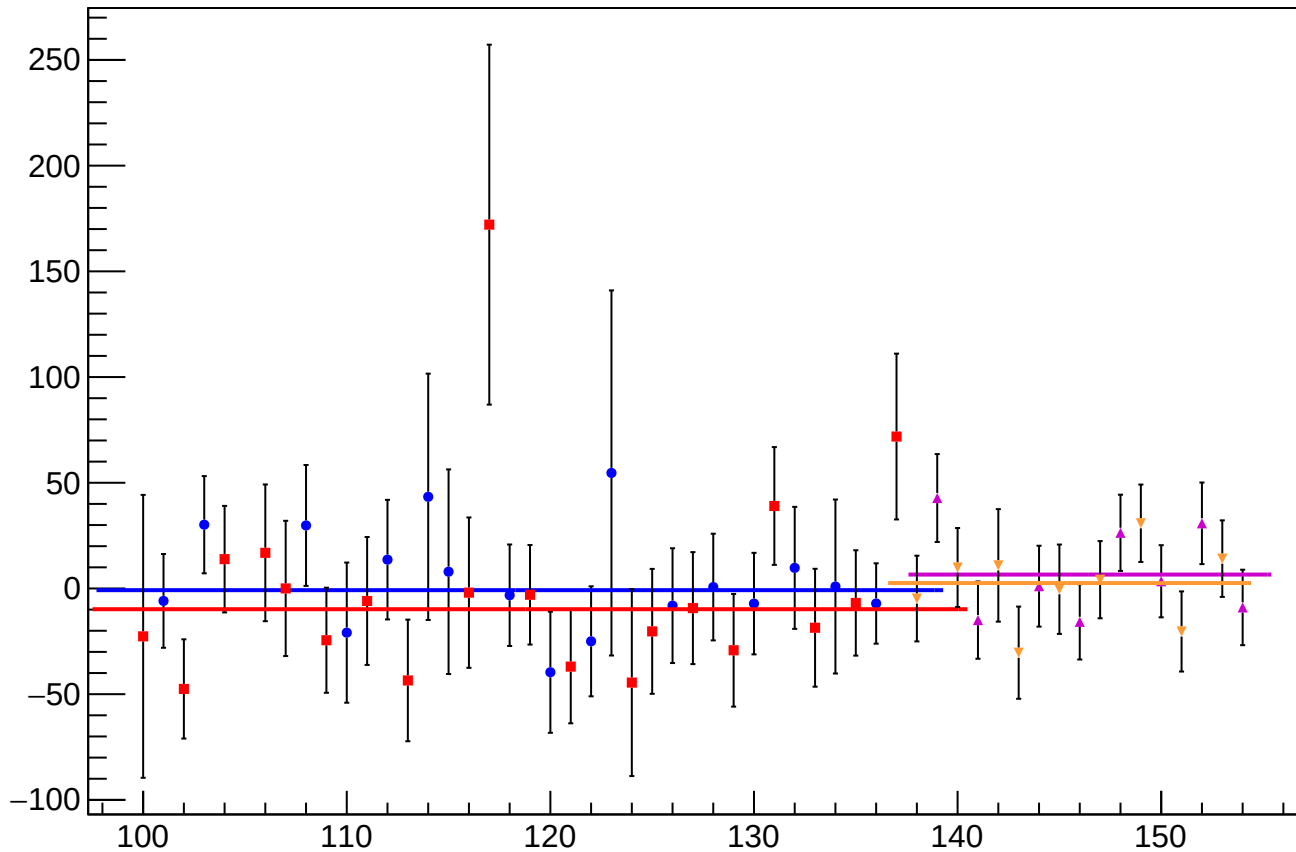
Left In: 190.724 $\pm$ 0.057 χ^2 /NDF: 1064259.2/7

213.767 $\pm$ 0.044 χ^2 /NDF: 1974105.7/25

194.832 $\pm$ 0.029 χ^2 /NDF: 4997031.9/53

180.868 $\pm$ 0.038 χ^2 /NDF: 2698081.2/27

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



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

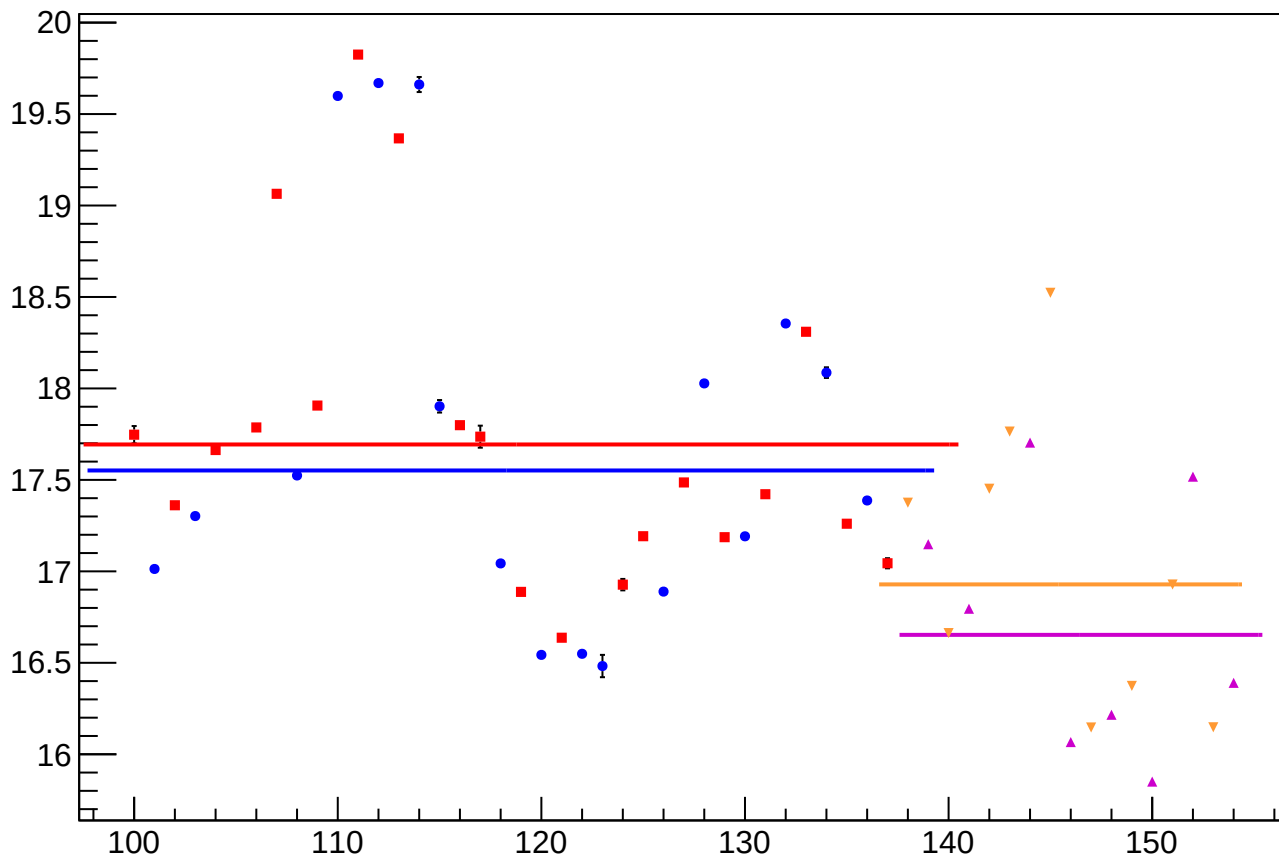
Left In: 6.580 ± 6.520 χ^2/NDF : 9.6/7

0.920 ± 4.730 χ^2/NDF : 14.8/25

-0.317 ± 3.313 χ^2/NDF : 48.3/53

-1.507 ± 4.641 χ^2/NDF : 33.3/27

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.552 $\pm$ 0.005 χ^2 /NDF: 34027.1/16

Left Out: 16.929 $\pm$ 0.005 χ^2 /NDF: 25701.7/8

Right Out: 17.694 $\pm$ 0.005 χ^2 /NDF: 30742.5/19

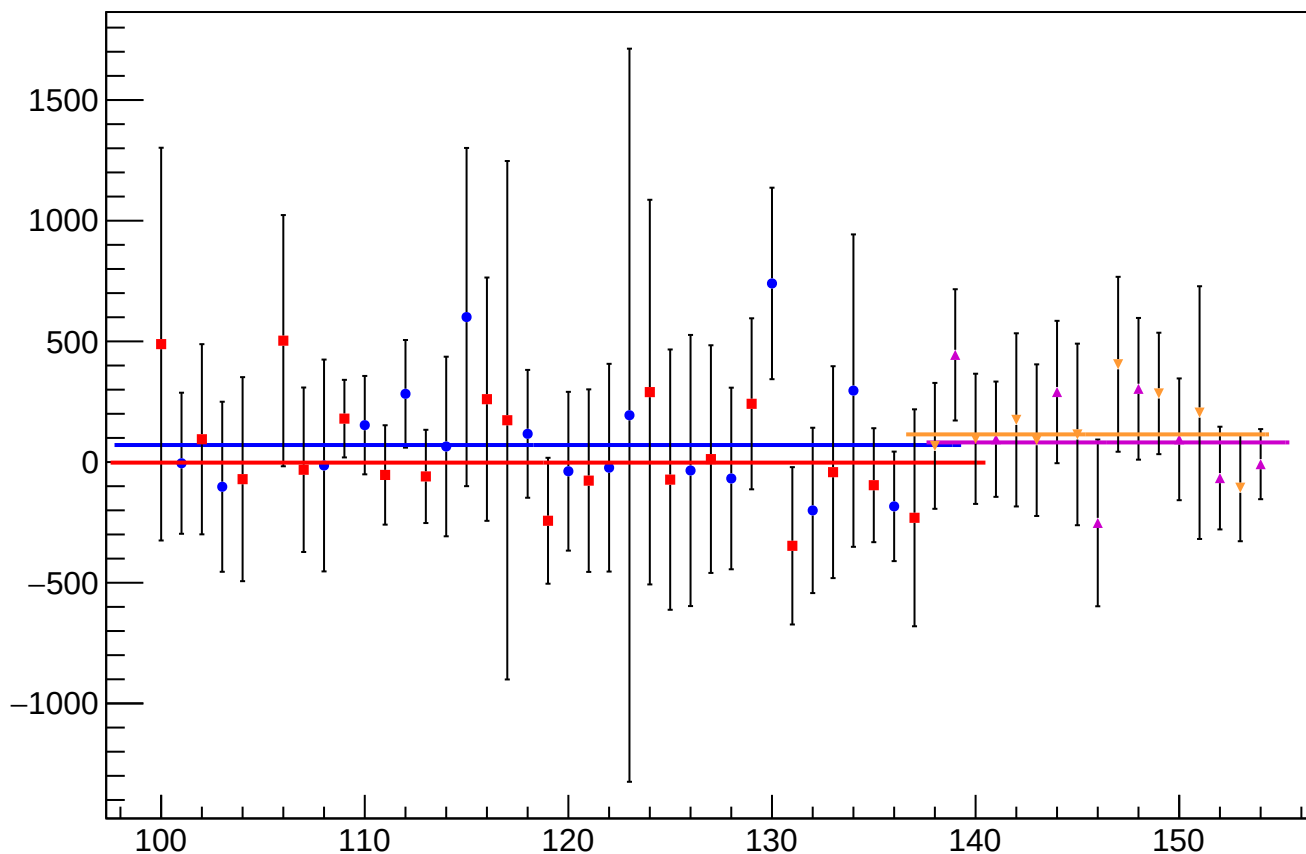
Left In: 16.653 $\pm$ 0.005 χ^2 /NDF: 19503.0/7

17.233 $\pm$ 0.003 χ^2 /NDF: 68392.9/25

17.199 $\pm$ 0.002 χ^2 /NDF: 143988.6/53

17.166 $\pm$ 0.003 χ^2 /NDF: 75395.1/27

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



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

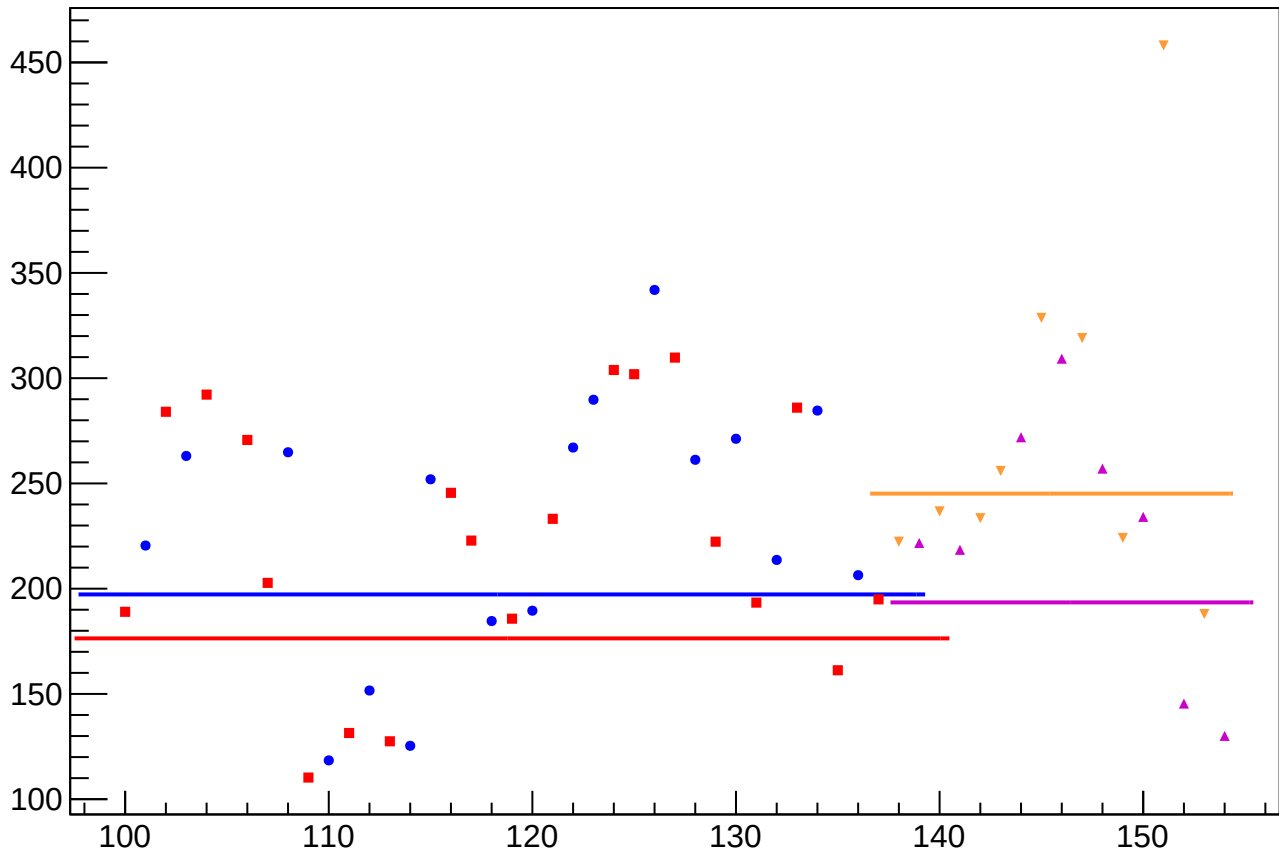
Left In: 81.344 $\pm$ 82.265 χ^2 /NDF: 4.7/7

88.024 $\pm$ 62.563 χ^2 /NDF: 9.5/25

56.796 $\pm$ 40.836 χ^2 /NDF: 21.4/53

33.617 $\pm$ 53.901 χ^2 /NDF: 11.4/27

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.271 $\pm$ 0.057 χ^2 /NDF: 969549.7/16

Left Out: 245.164 $\pm$ 0.070 χ^2 /NDF: 681304.4/8

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

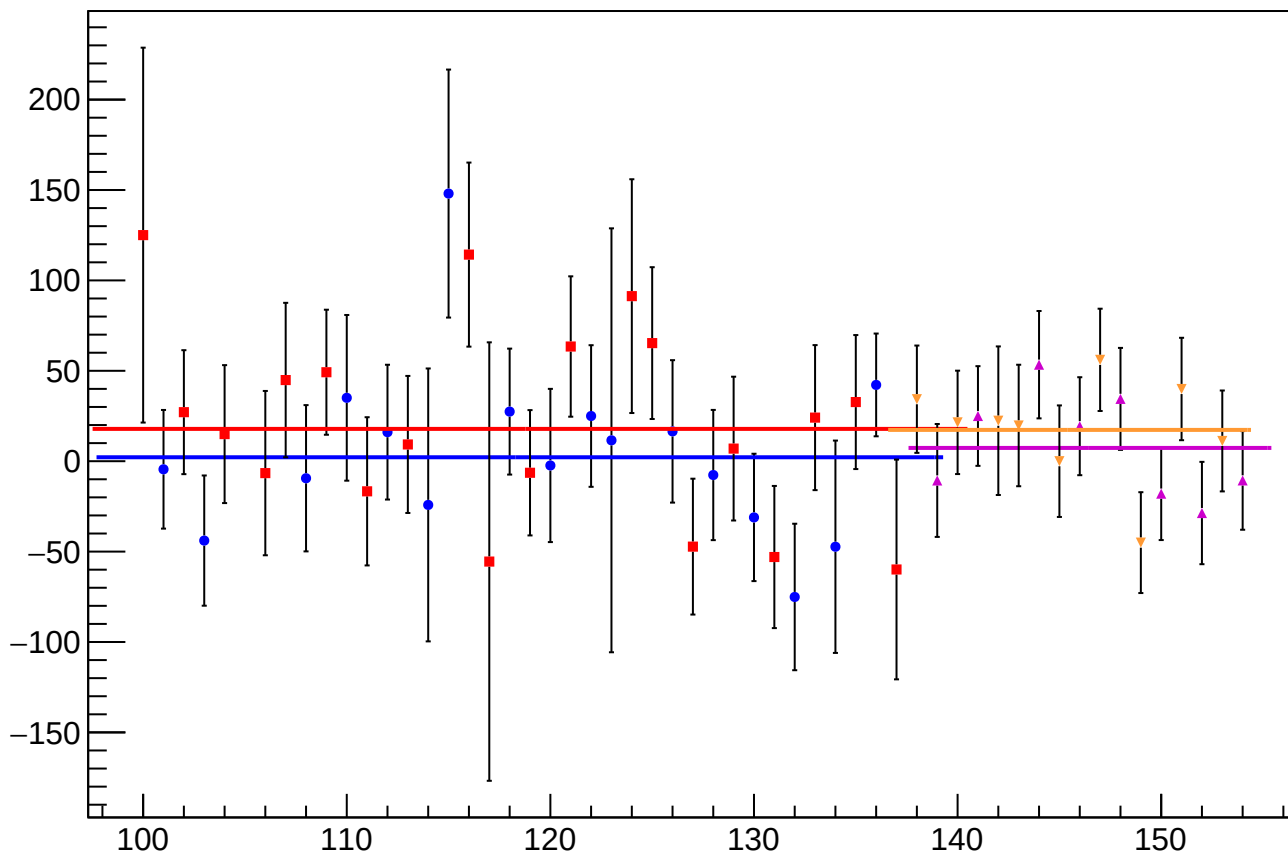
Left In: 193.479 $\pm$ 0.058 χ^2 /NDF: 1038704.5/7

216.171 $\pm$ 0.044 χ^2 /NDF: 1930839.9/25

197.548 $\pm$ 0.029 χ^2 /NDF: 4851035.9/53

183.725 $\pm$ 0.038 χ^2 /NDF: 2611448.7/27

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.178+/-9.825 χ^2/NDF : 15.4/16

Left Out: 17.311+/-10.023 χ^2/NDF : 8.2/8

Right Out: 17.869+/-9.468 χ^2/NDF : 20.0/19

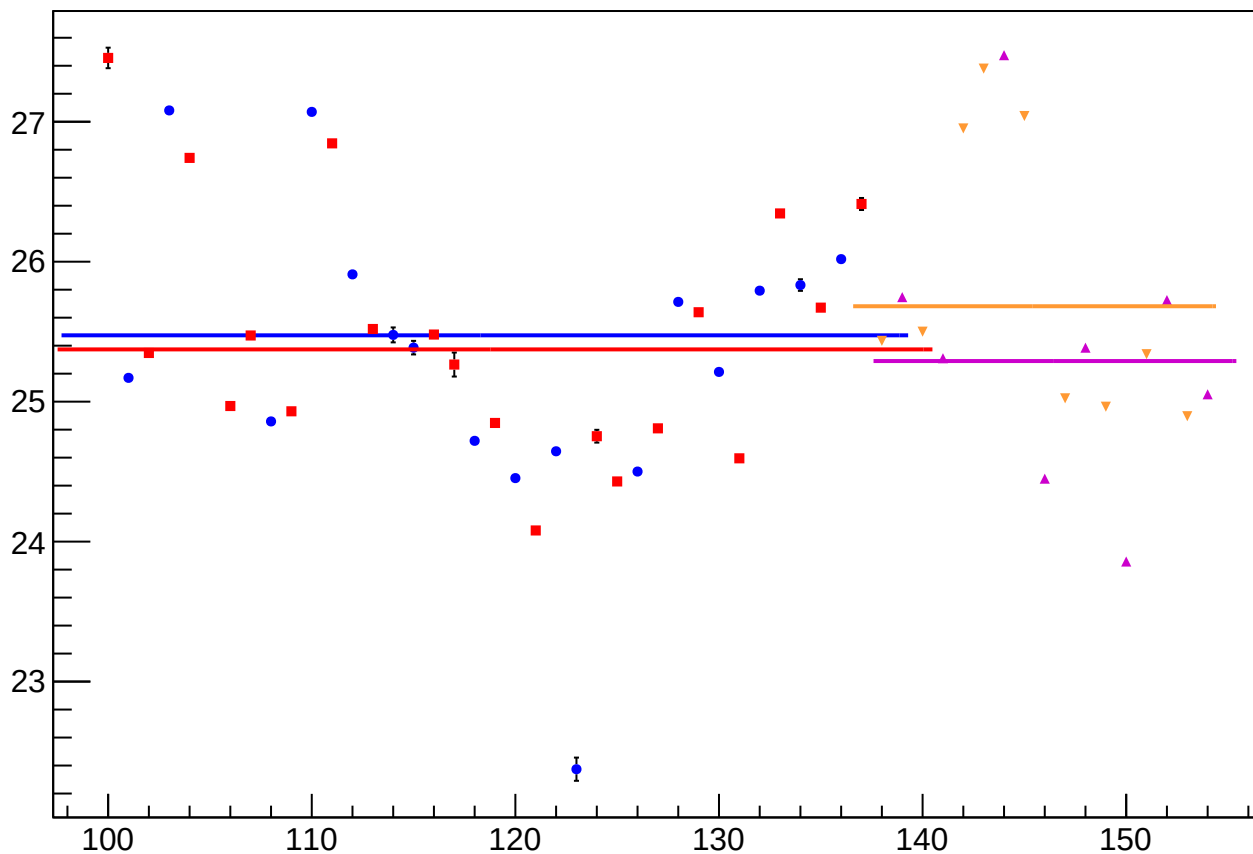
Left In: 7.343+/-9.899 χ^2/NDF : 7.3/7

9.593+/-7.016 χ^2/NDF : 24.8/25

11.258+/-4.899 χ^2/NDF : 52.7/53

12.840+/-6.842 χ^2/NDF : 27.8/27

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.474 $\pm$ 0.007 χ^2 /NDF: 14061.2/16

Left Out: 25.682 $\pm$ 0.007 χ^2 /NDF:15407.2/8

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

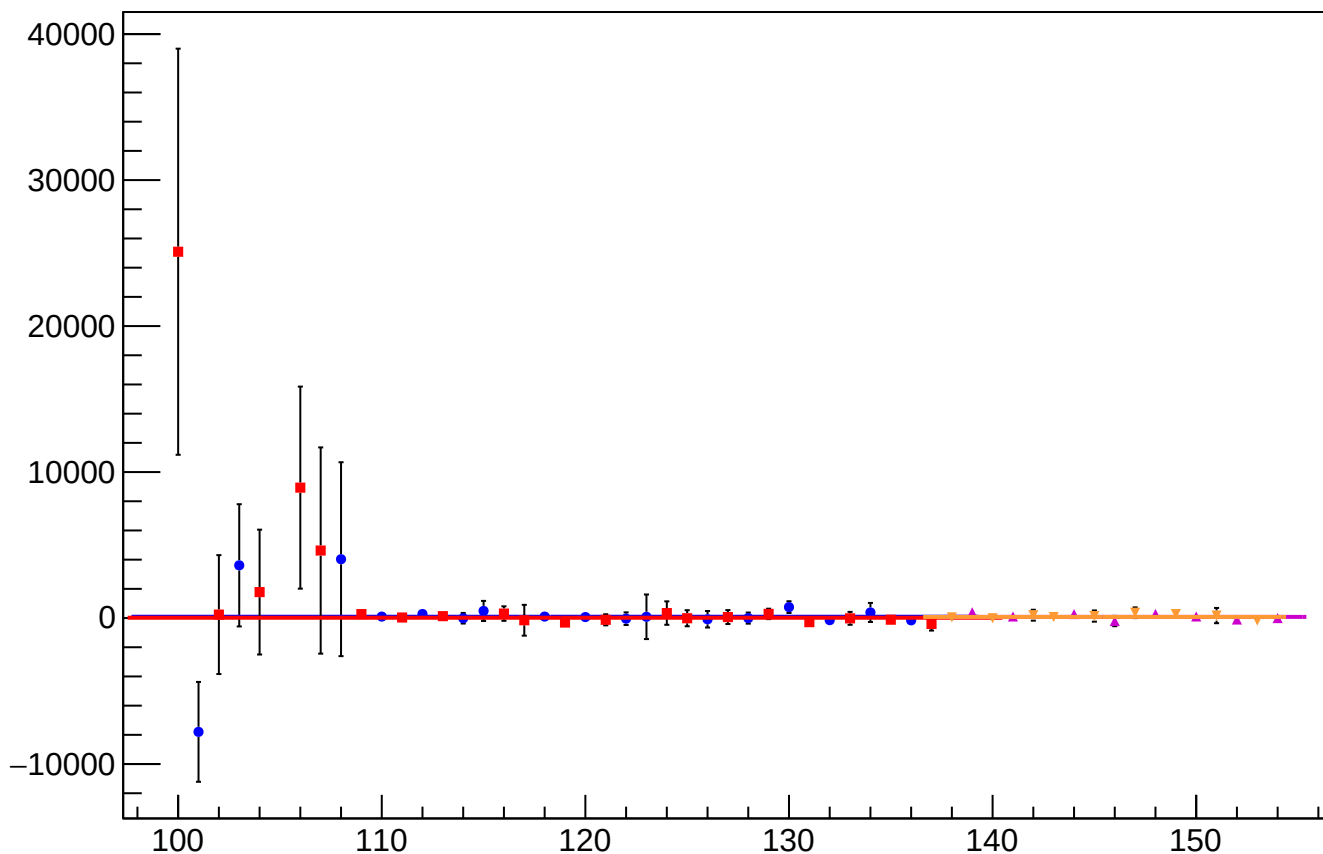
Left In: 25.290 $\pm$ 0.007 χ^2 /NDF:20060.2/7

25.576 $\pm$ 0.005 χ^2 /NDF: 29906.4/25

25.452 $\pm$ 0.003 χ^2 /NDF: 64844.3/53

25.334 $\pm$ 0.005 χ^2 /NDF: 33716.9/27

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



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

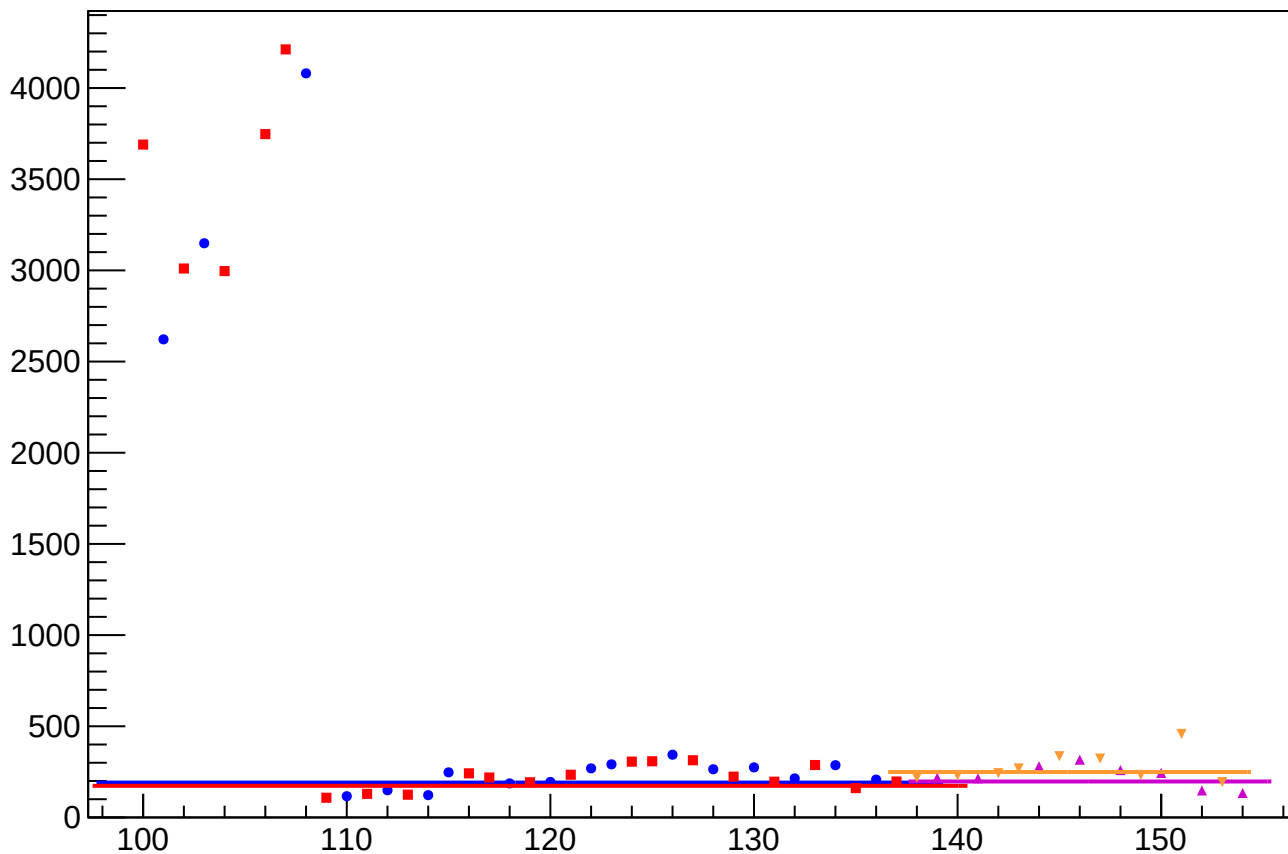
Left In: 79.295+/-83.708 χ^2/NDF : 3.9/7

84.302+/-66.246 χ^2/NDF : 14.9/25

64.559+/-43.674 χ^2/NDF : 31.2/53

49.380+/-58.085 χ^2/NDF : 16.1/27

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



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

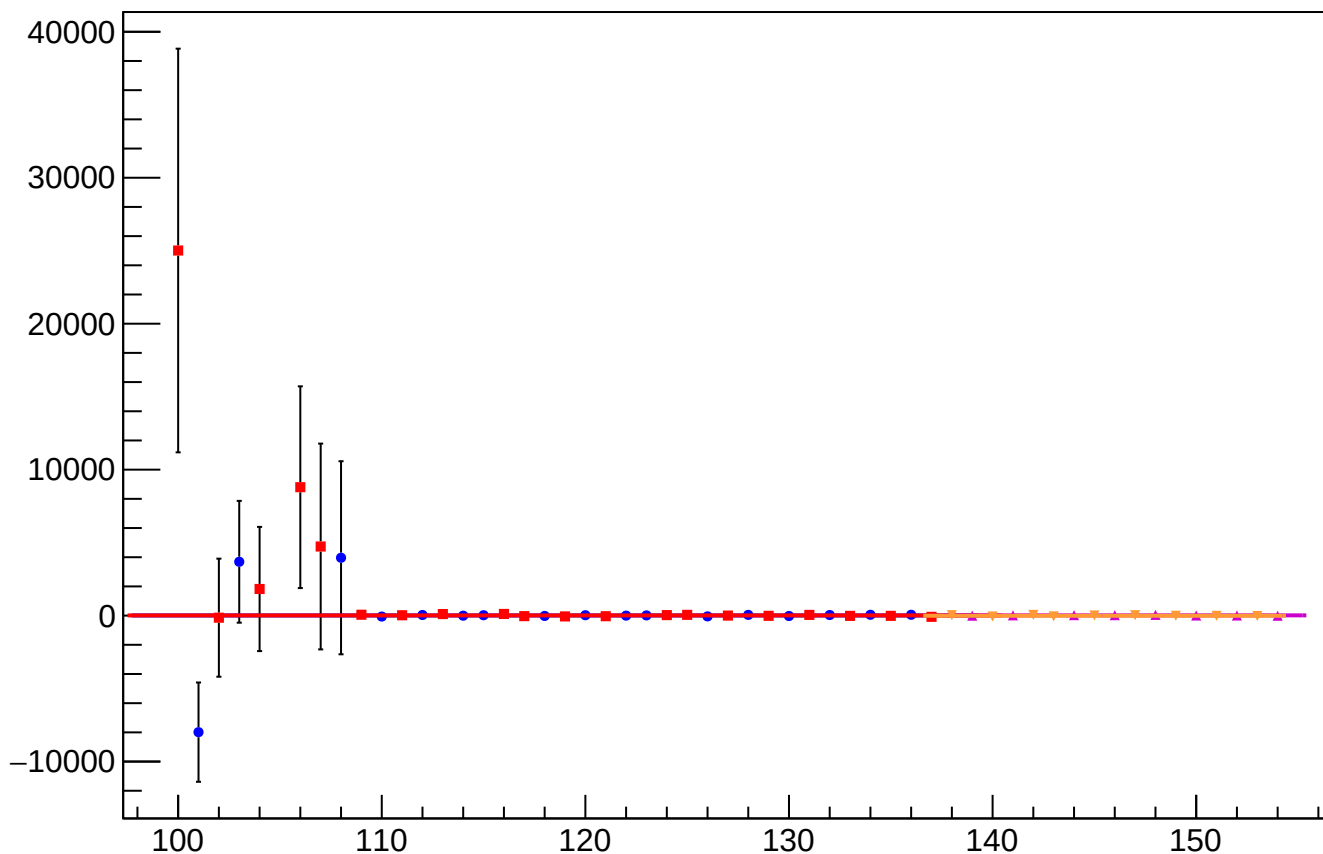
Left In: 197.231 +/- 0.059 χ^2/NDF : 1009847.8/7

216.083 +/- 0.047 χ^2/NDF : 4621082.1/25

198.479 +/- 0.031 χ^2/NDF : 10174765.3/53

184.945 +/- 0.041 χ^2/NDF : 5303868.8/27

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



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

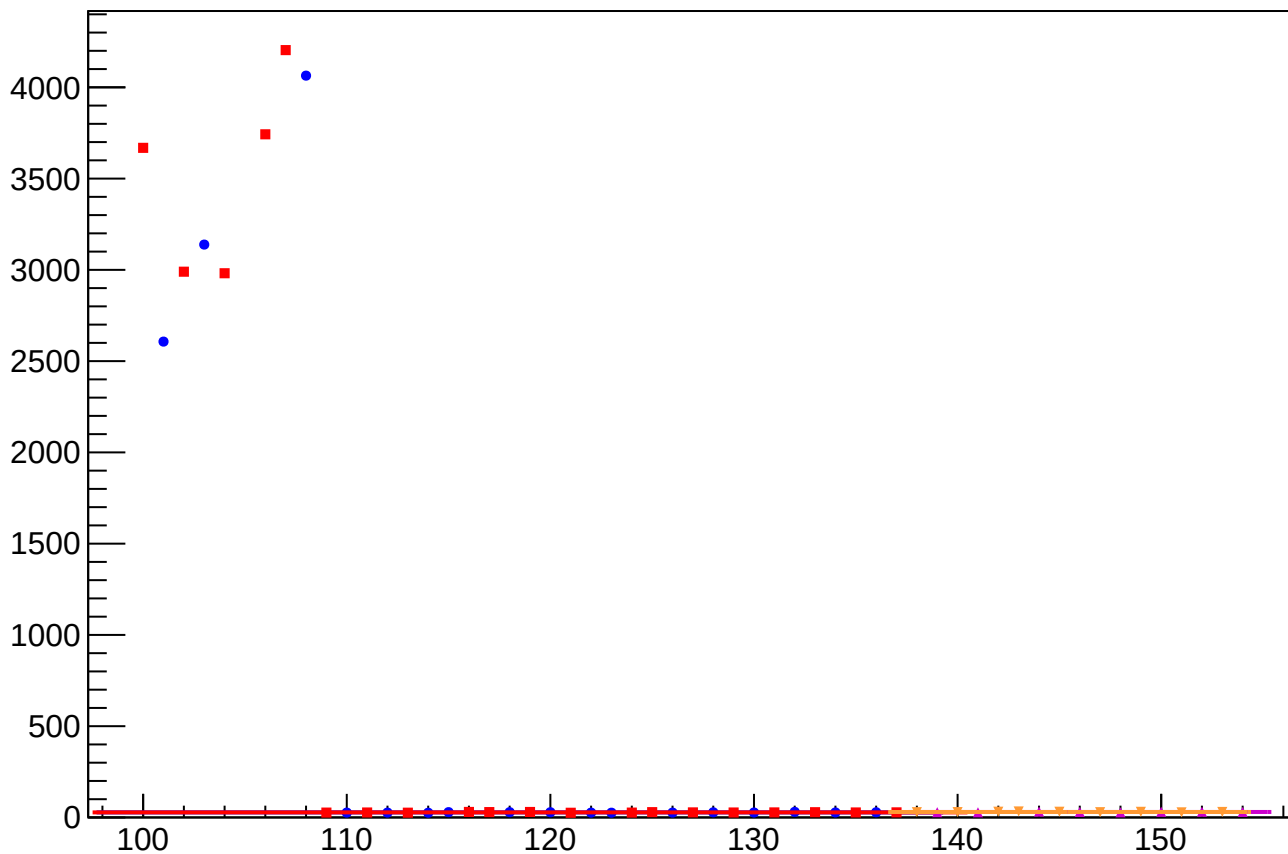
Left In: 17.179+/-11.793 χ^2/NDF : 2.6/7

0.169+/-8.439 χ^2/NDF : 28.0/25

7.531+/-5.979 χ^2/NDF : 56.7/53

14.951+/-8.473 χ^2/NDF : 27.2/27

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



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

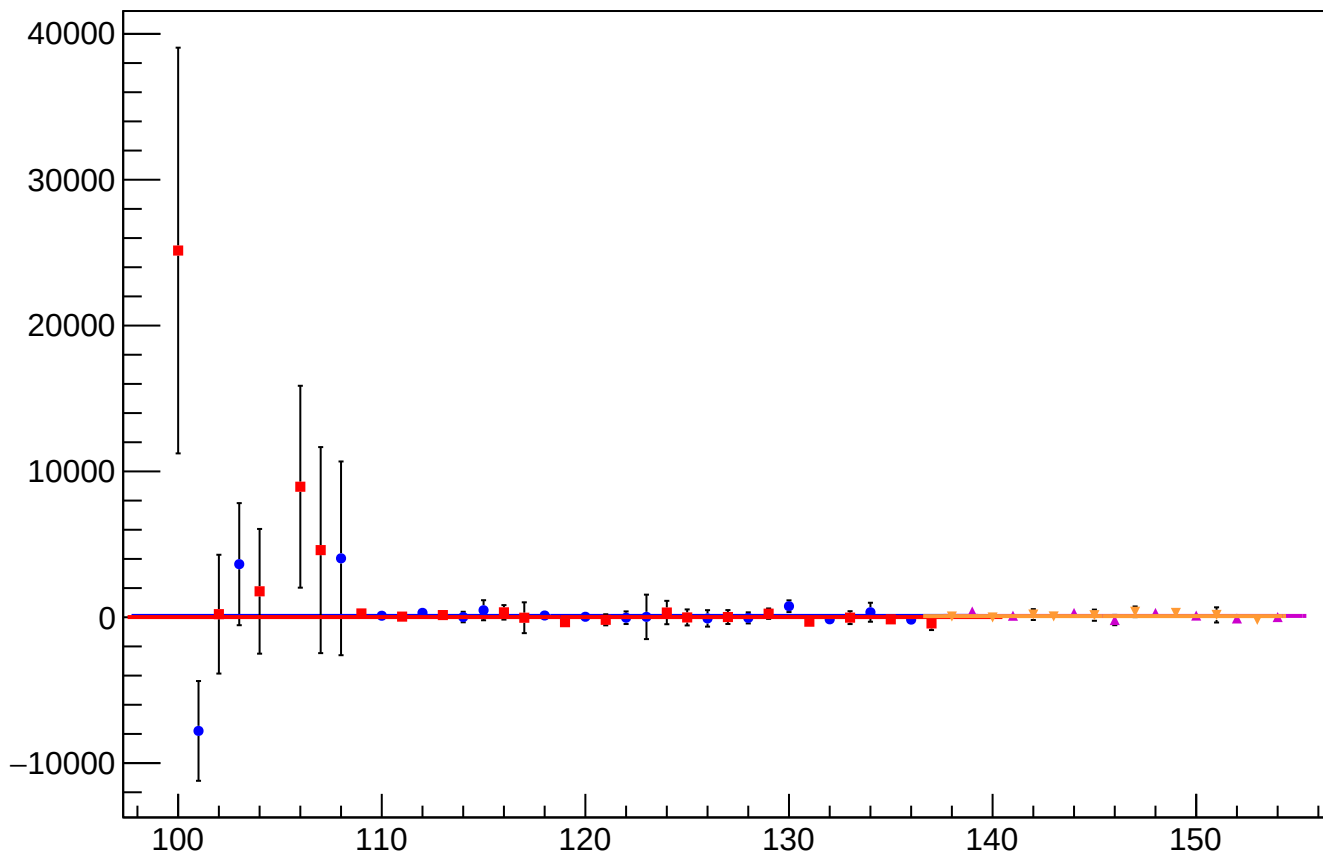
Left In: 30.057+/-0.008 χ^2/NDF : 30489.0/7

28.917+/-0.006 χ^2/NDF : 3086474.7/25

28.918+/-0.004 χ^2/NDF : 6632478.5/53

28.920+/-0.006 χ^2/NDF : 3546003.7/27

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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

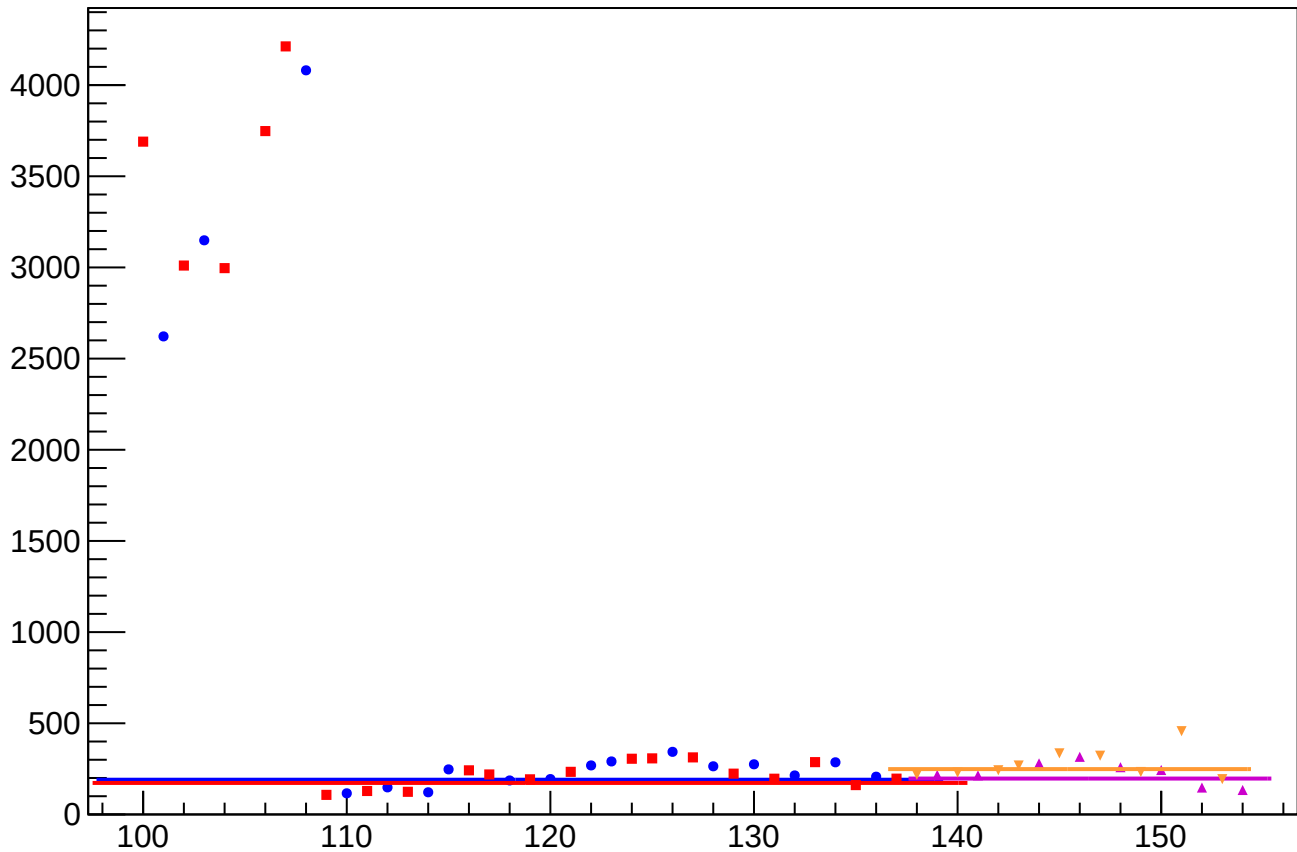
Left In: 91.553+/-83.536 χ^2/NDF : 3.8/7

86.520+/-66.065 χ^2/NDF : 15.6/25

66.170+/-43.557 χ^2/NDF : 32.6/53

50.522+/-57.931 χ^2/NDF : 16.9/27

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



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

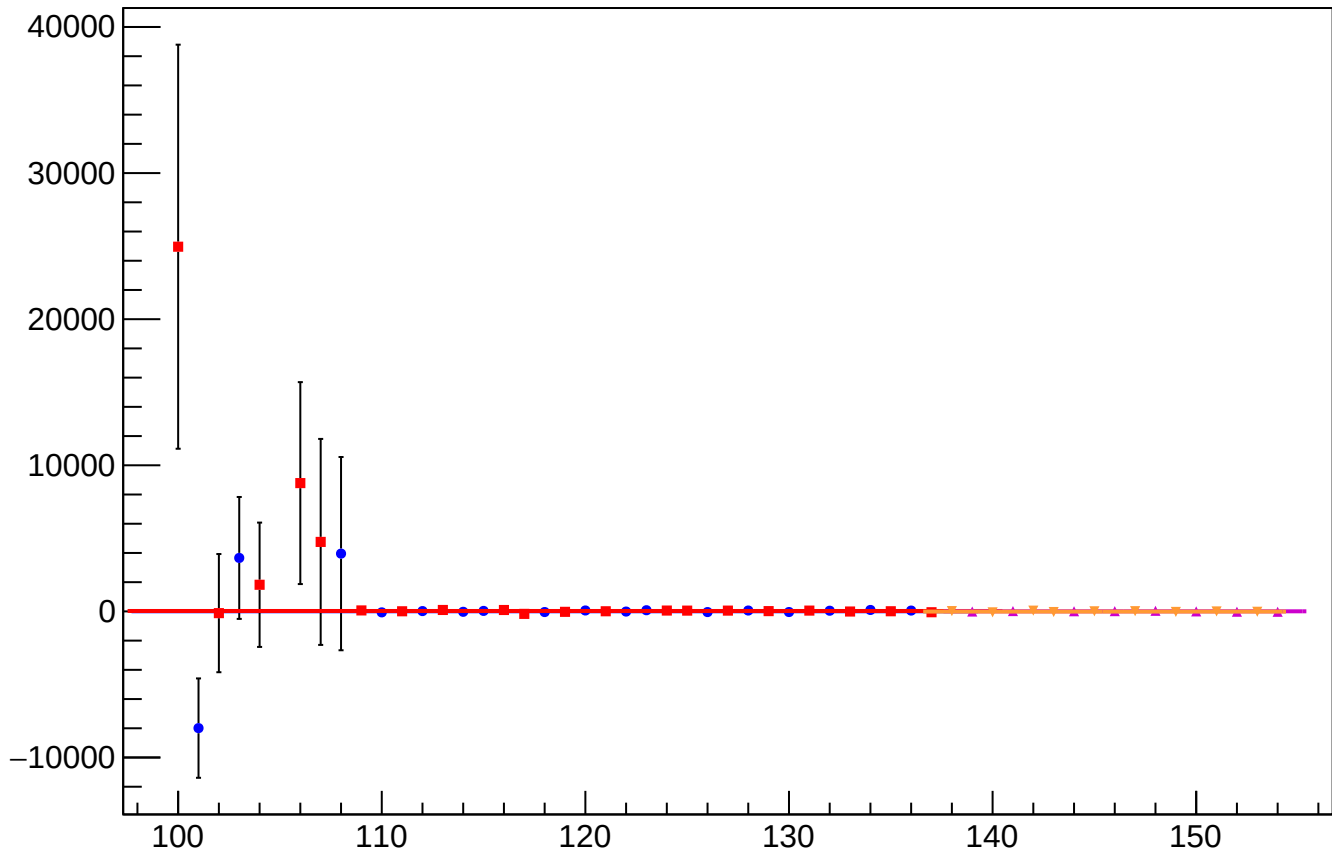
Left In: 196.837+/-0.059 χ^2/NDF : 1008886.8/7

215.417+/-0.047 χ^2/NDF : 4636889.1/25

197.881+/-0.031 χ^2/NDF : 10202757.1/53

184.397+/-0.041 χ^2/NDF : 5316603.7/27

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.600 $\pm$ 12.273 χ^2 /NDF: 23.2/16

Left Out: -11.422 $\pm$ 11.777 χ^2 /NDF: 7.4/8

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

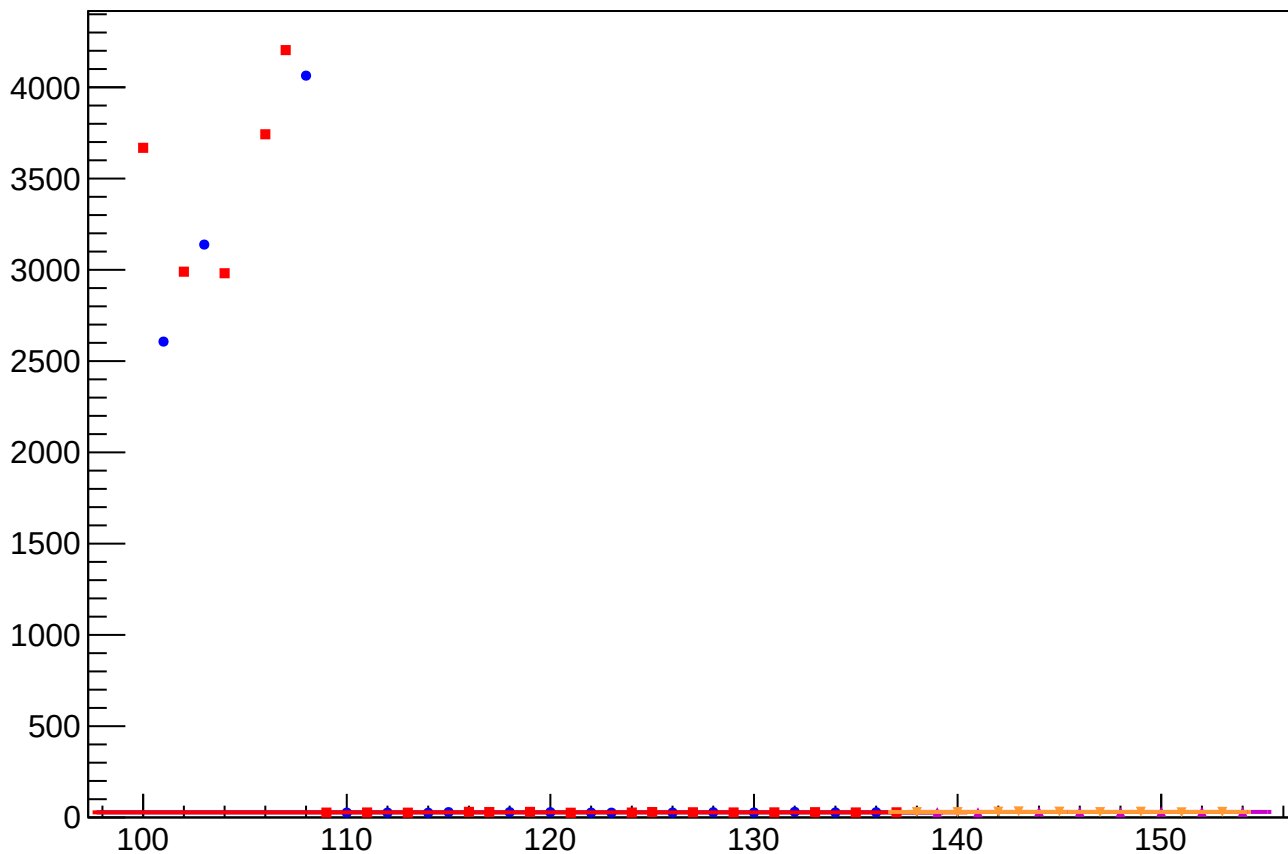
Left In: 5.965 $\pm$ 11.857 χ^2 /NDF: 3.3/7

-1.344 $\pm$ 8.498 χ^2 /NDF: 32.1/25

7.622 $\pm$ 6.020 χ^2 /NDF: 57.8/53

16.656 $\pm$ 8.530 χ^2 /NDF: 23.5/27

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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

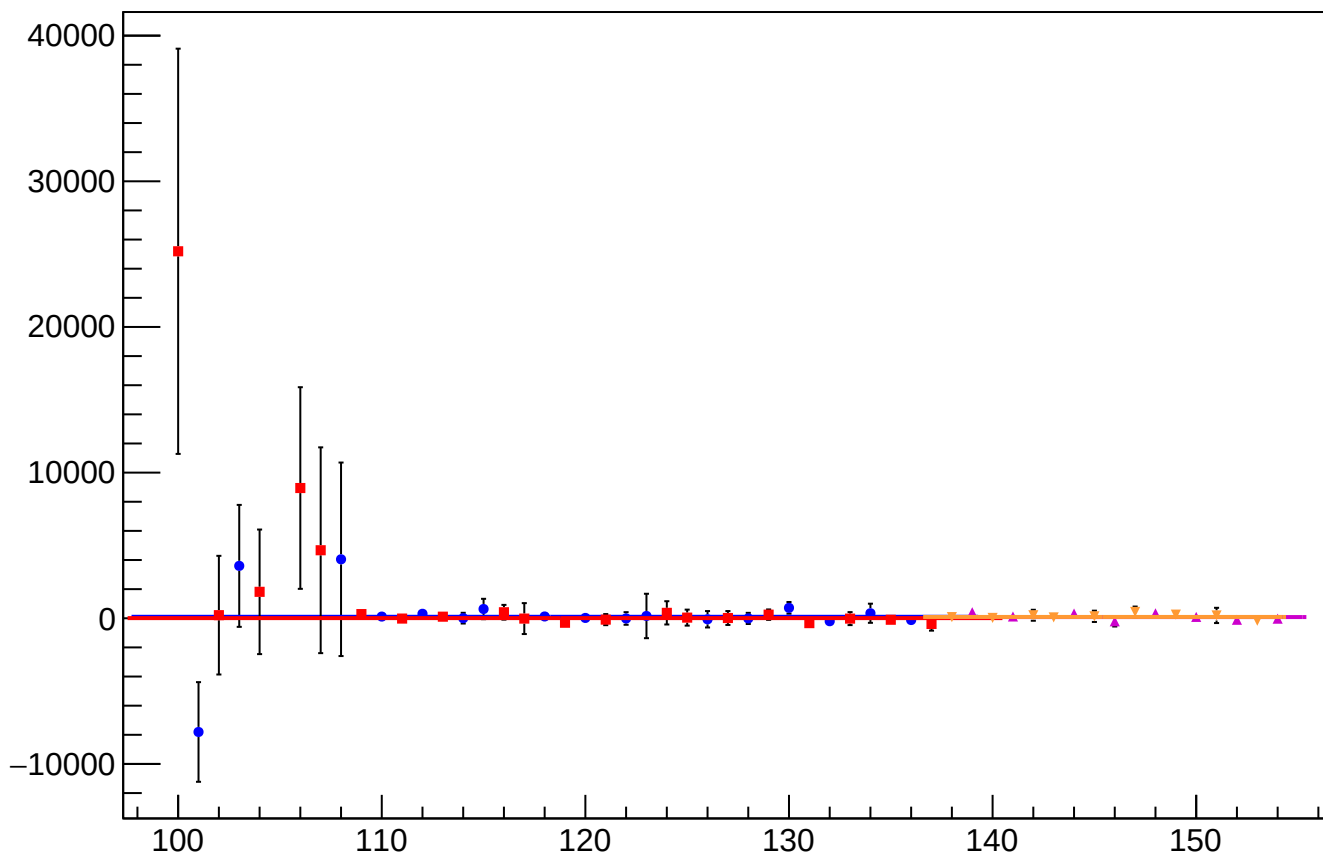
Left In: 30.226+/-0.008 χ^2/NDF : 30829.0/7

29.113+/-0.006 χ^2/NDF : 3088075.4/25

29.116+/-0.004 χ^2/NDF : 6634978.4/53

29.118+/-0.006 χ^2/NDF : 3546902.6/27

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



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

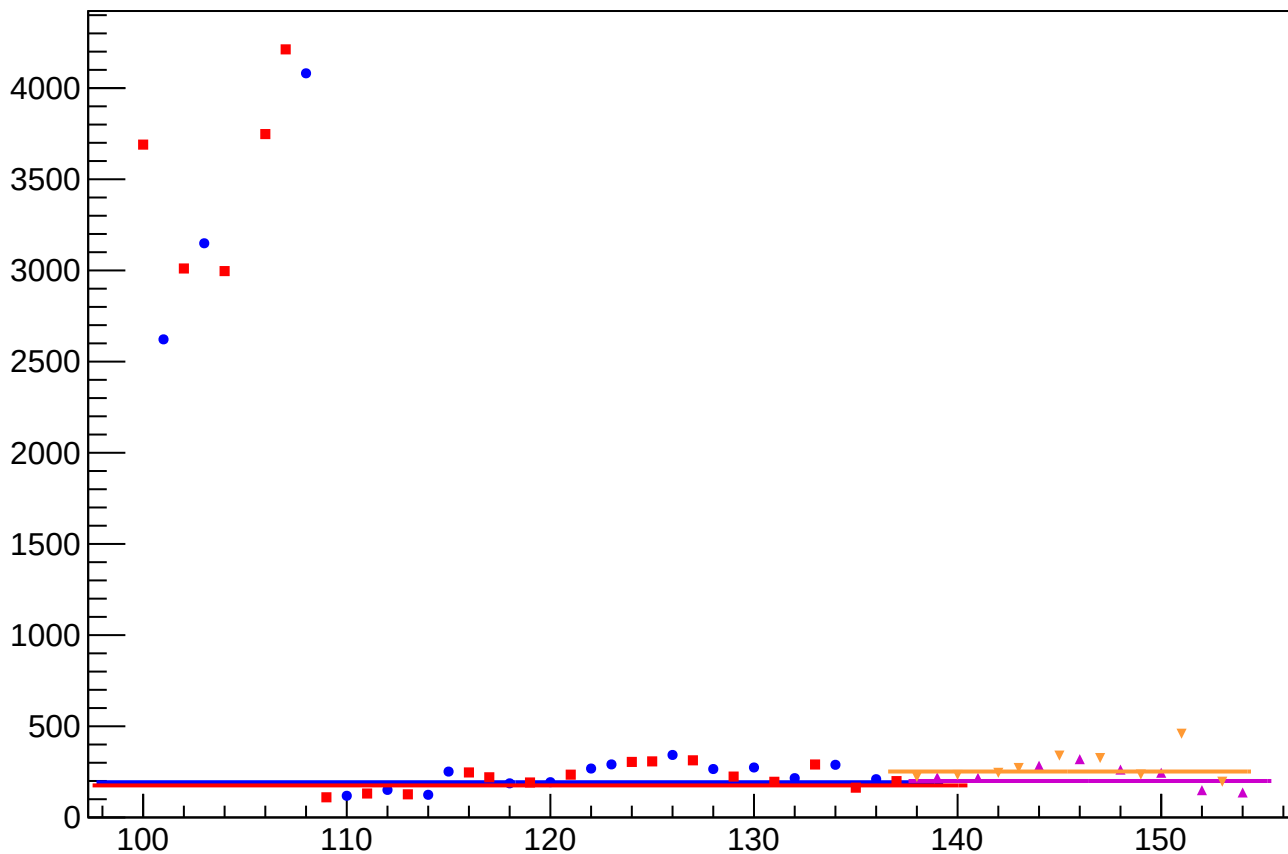
Left In: 83.168 $\pm$ 84.729 χ^2 /NDF: 4.8/7

97.445 $\pm$ 66.862 χ^2 /NDF: 15.1/25

68.235 $\pm$ 44.126 χ^2 /NDF: 32.9/53

45.696 $\pm$ 58.732 χ^2 /NDF: 17.5/27

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.190+/-0.063 χ^2/NDF : 3536123.5/16

Left Out: 251.946+/-0.072 χ^2/NDF : 664043.4/8

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

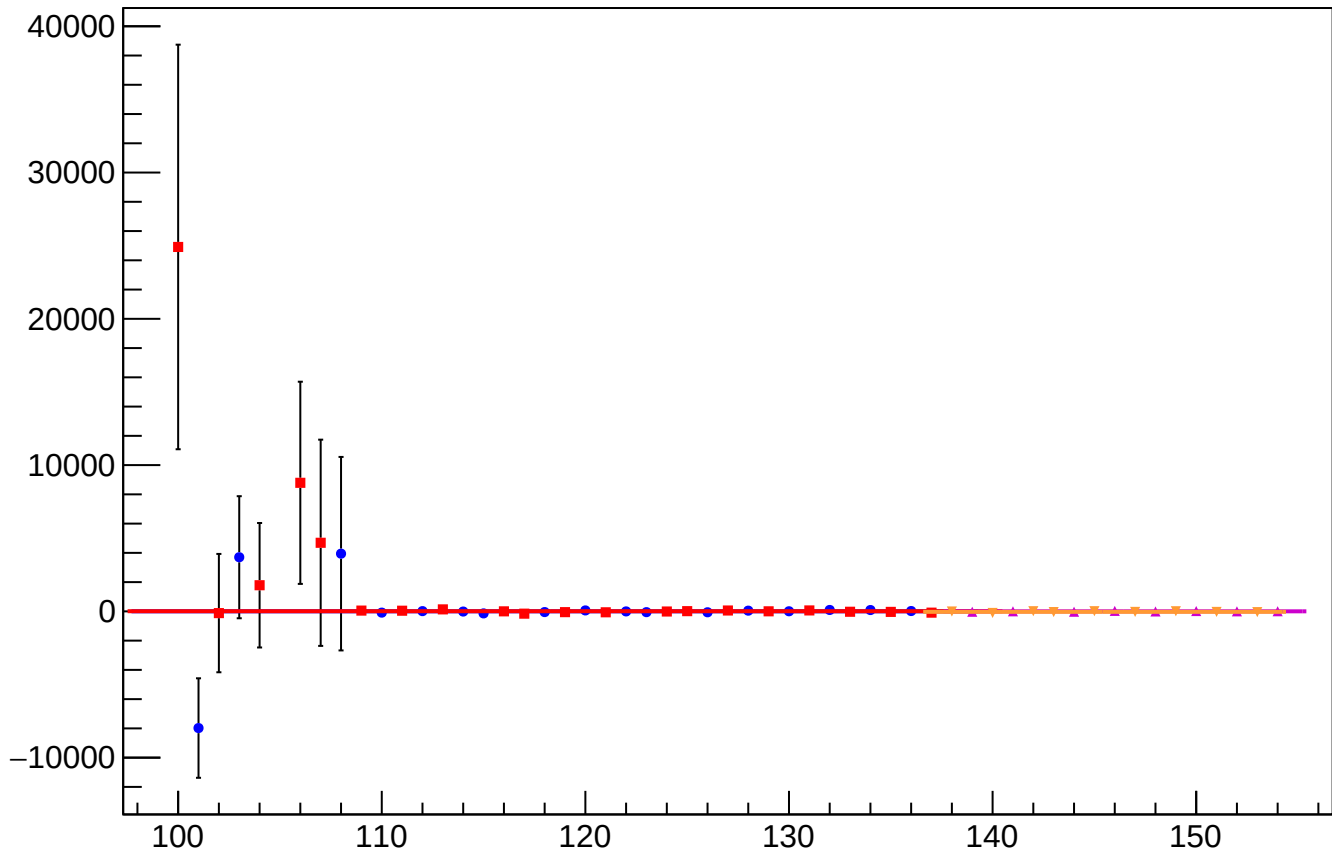
Left In: 199.948+/-0.060 χ^2/NDF : 986211.8/7

218.326+/-0.047 χ^2/NDF : 4578234.7/25

200.857+/-0.031 χ^2/NDF : 10060016.3/53

187.377+/-0.042 χ^2/NDF : 5239896.9/27

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.651+/-14.935 χ^2 /NDF: 20.4/16

Left Out: -31.137+/-13.851 χ^2 /NDF: 6.9/8

Right Out: 11.101+/-14.886 χ^2 /NDF: 22.7/19

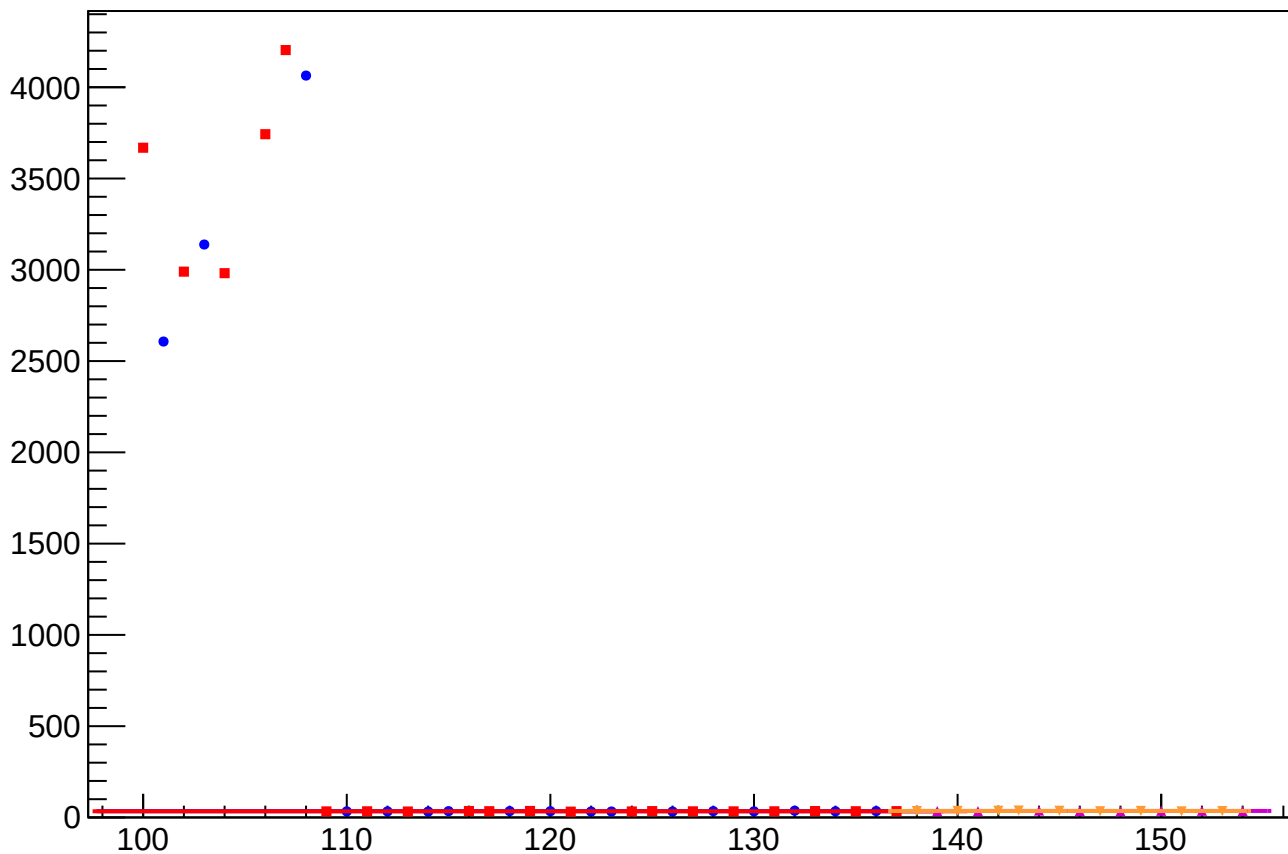
Left In: 3.512+/-13.949 χ^2 /NDF: 1.8/7

-14.589+/-10.156 χ^2 /NDF: 30.4/25

-3.789+/-7.189 χ^2 /NDF: 57.3/53

7.060+/-10.178 χ^2 /NDF: 24.7/27

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.137 $\pm$ 0.011 χ^2 /NDF: 3006248.0/16

Left Out: 35.471 $\pm$ 0.010 χ^2 /NDF:19067.4/8

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

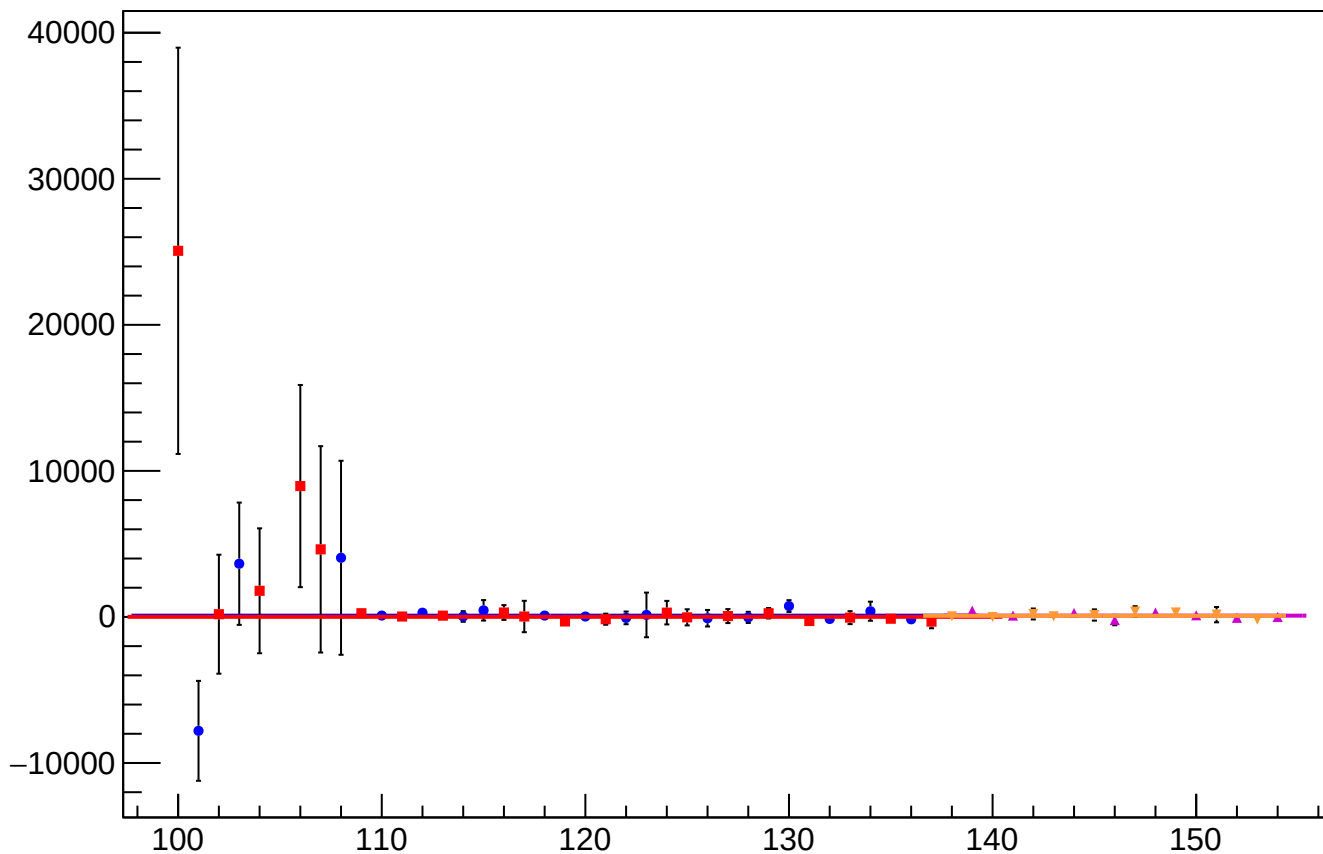
Left In: 35.624 $\pm$ 0.010 χ^2 /NDF:12530.6/7

34.854 $\pm$ 0.007 χ^2 /NDF: 3033890.6/25

34.840 $\pm$ 0.005 χ^2 /NDF: 6512363.8/53

34.825 $\pm$ 0.007 χ^2 /NDF: 3478465.1/27

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



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

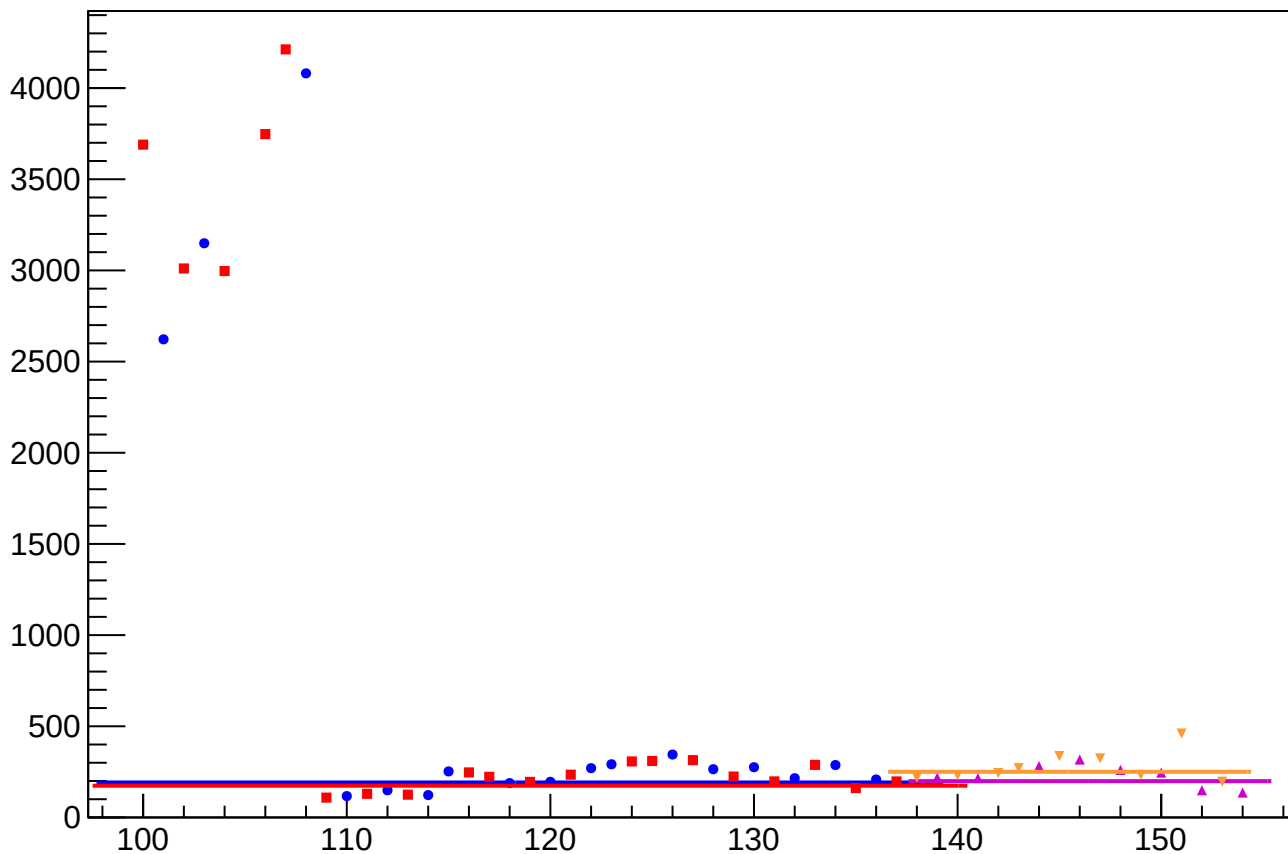
Left In: 88.574+/-84.386 χ^2/NDF : 4.1/7

82.492+/-66.502 χ^2/NDF : 15.4/25

62.080+/-43.893 χ^2/NDF : 31.2/53

46.325+/-58.428 χ^2/NDF : 15.7/27

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.880+/-0.062 χ^2/NDF : 3573060.2/16

Left Out: 250.400+/-0.072 χ^2/NDF : 667694.0/8

Right Out: 174.207+/-0.057 χ^2/NDF : 421538.3/19

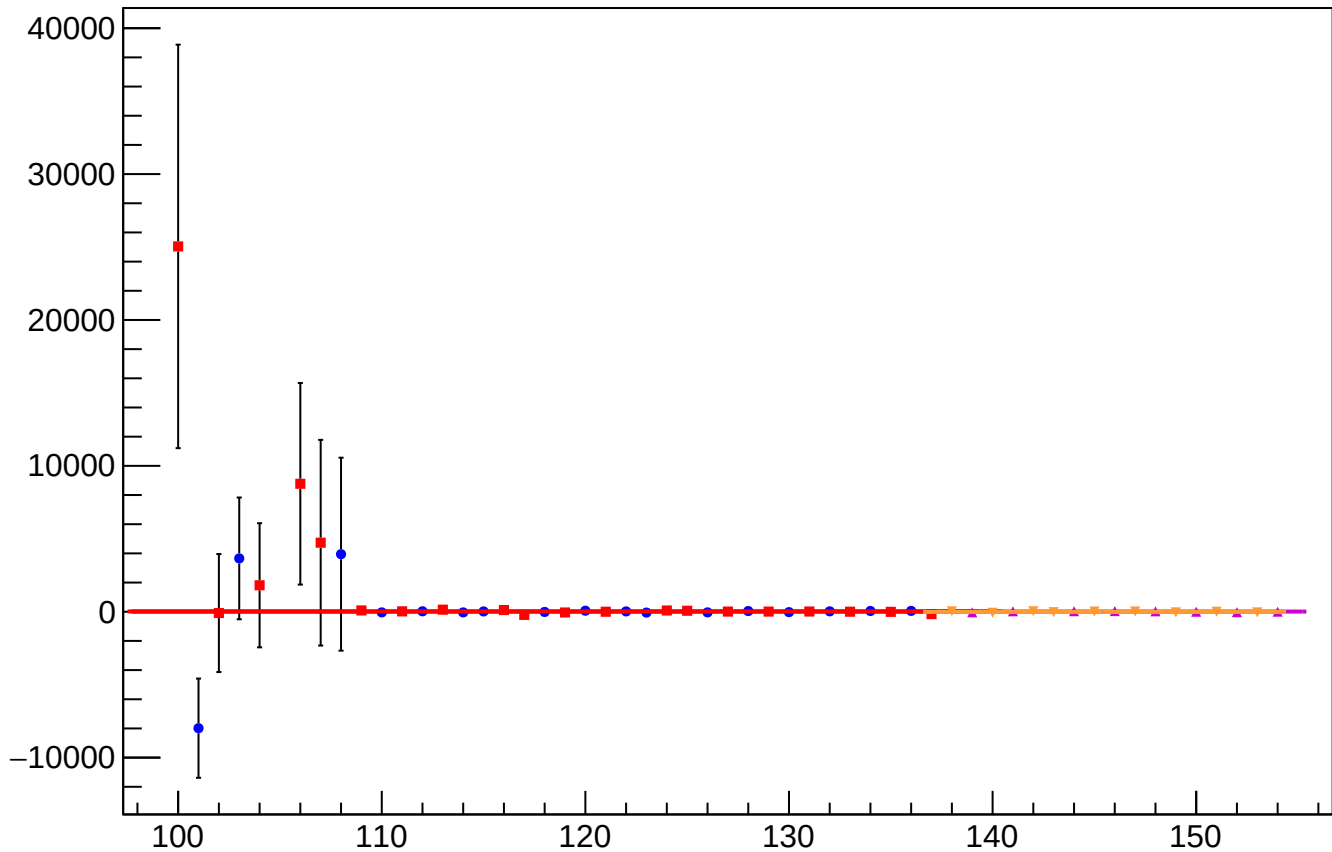
Left In: 199.129+/-0.060 χ^2/NDF : 979368.8/7

216.940+/-0.047 χ^2/NDF : 4619953.1/25

199.566+/-0.031 χ^2/NDF : 10147569.1/53

186.154+/-0.041 χ^2/NDF : 5285726.1/27

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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

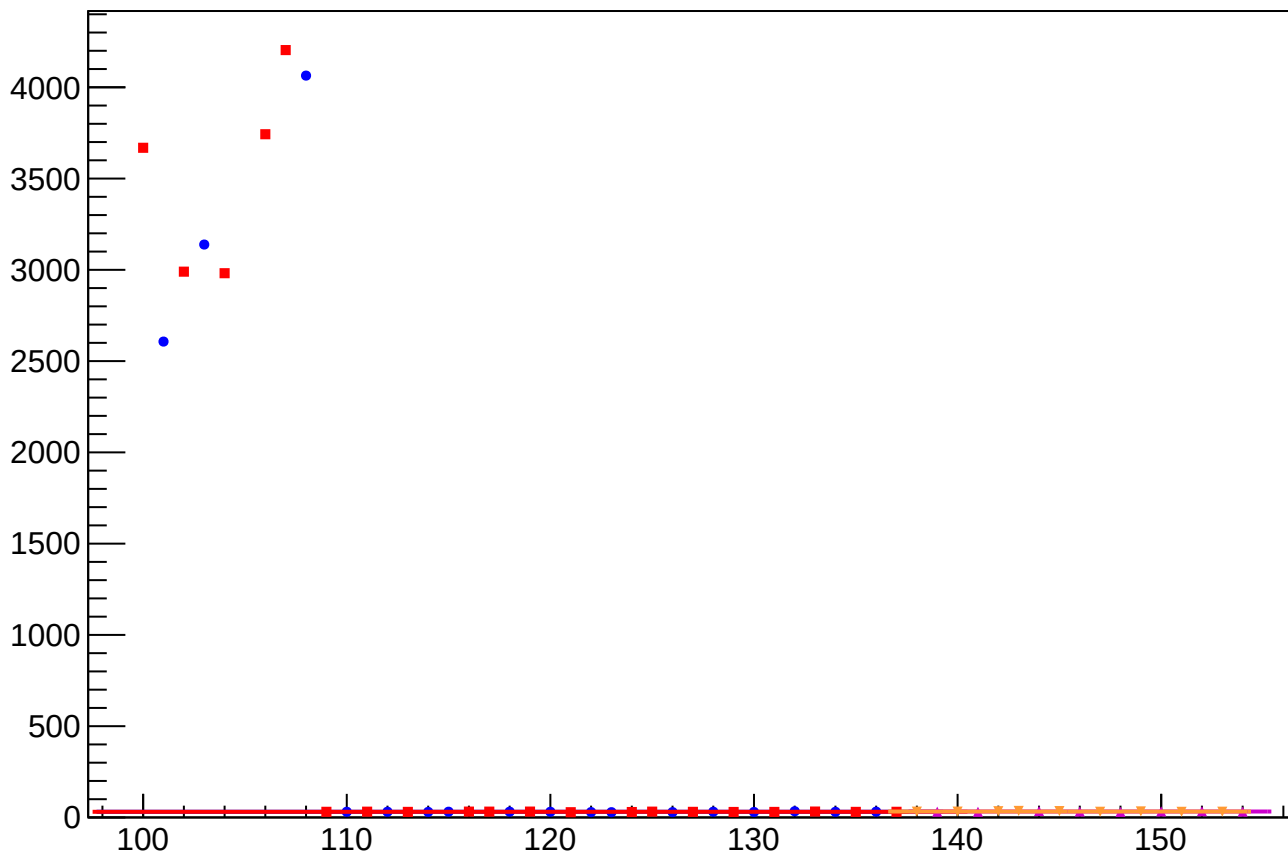
Left In: 12.075+/-12.766 χ^2/NDF : 4.9/7

-0.903+/-9.296 χ^2/NDF : 24.9/25

7.779+/-6.578 χ^2/NDF : 61.7/53

16.485+/-9.308 χ^2/NDF : 35.1/27

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

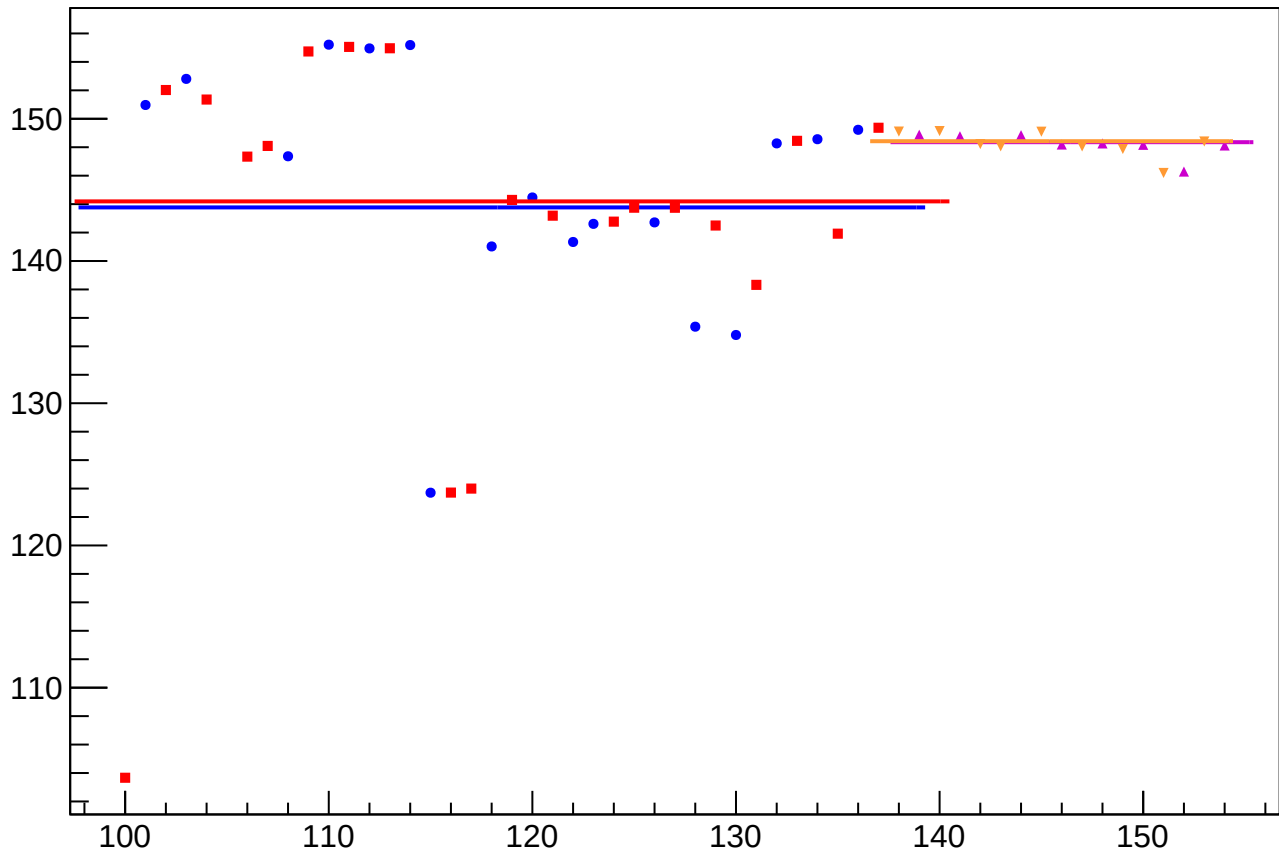
Left In: 32.543 $\pm$ 0.009 χ^2 /NDF:24836.3/7

31.880 $\pm$ 0.007 χ^2 /NDF: 3057713.3/25

31.843 $\pm$ 0.005 χ^2 /NDF: 6555844.1/53

31.807 $\pm$ 0.007 χ^2 /NDF: 3498068.6/27

yield_bcm_an_ds_mean vs Slug, Sign Corrected



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

Left Out: 148.423 ± 0.000 χ^2/NDF : 30682610.8/8

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

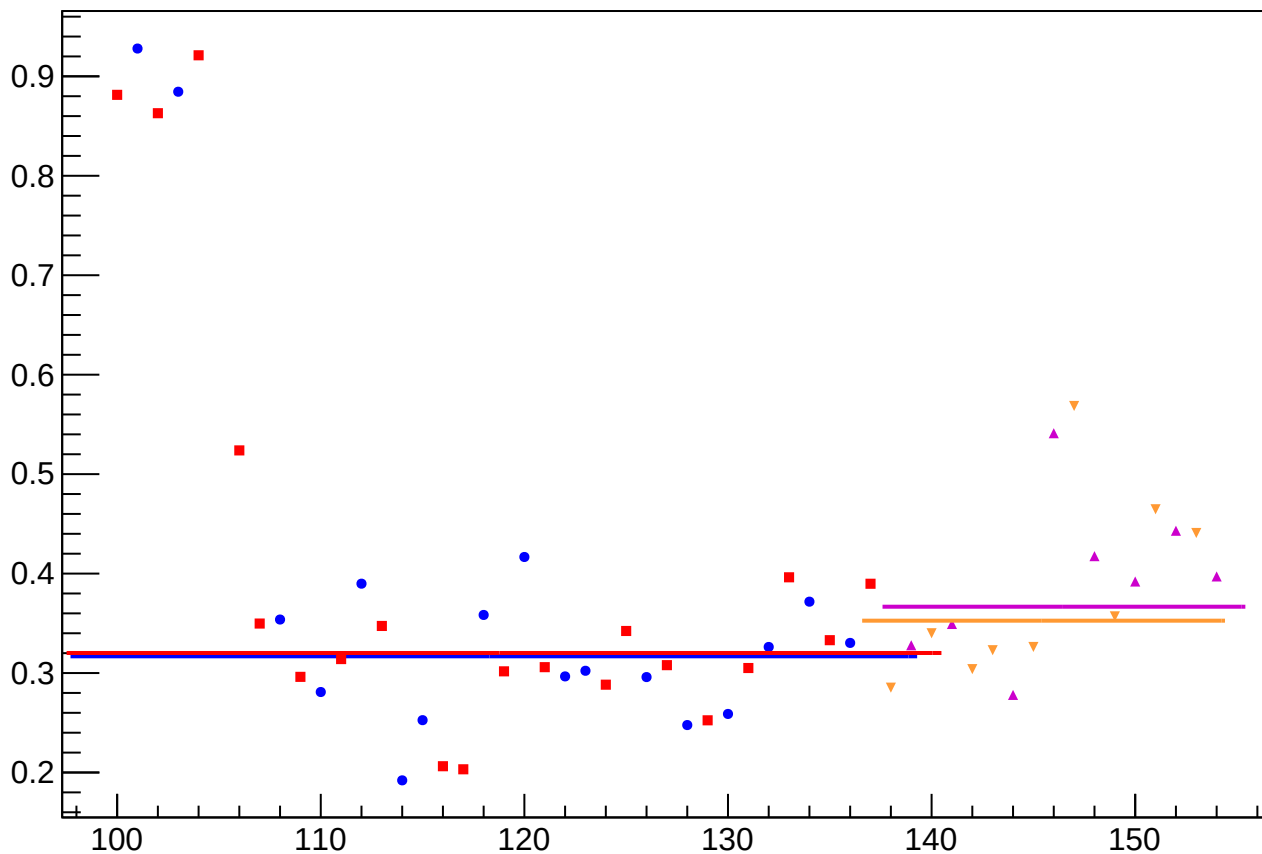
Left In: 148.355 ± 0.000 χ^2/NDF : 22992998.8/7

145.937 ± 0.000 χ^2/NDF : 4124647206.5/25

145.980 ± 0.000 χ^2/NDF : 9109994208.8/27

146.025 ± 0.000 χ^2/NDF : 4984946802.4/27

yield_bcm_an_ds_rms vs Slug, Sign Corrected



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

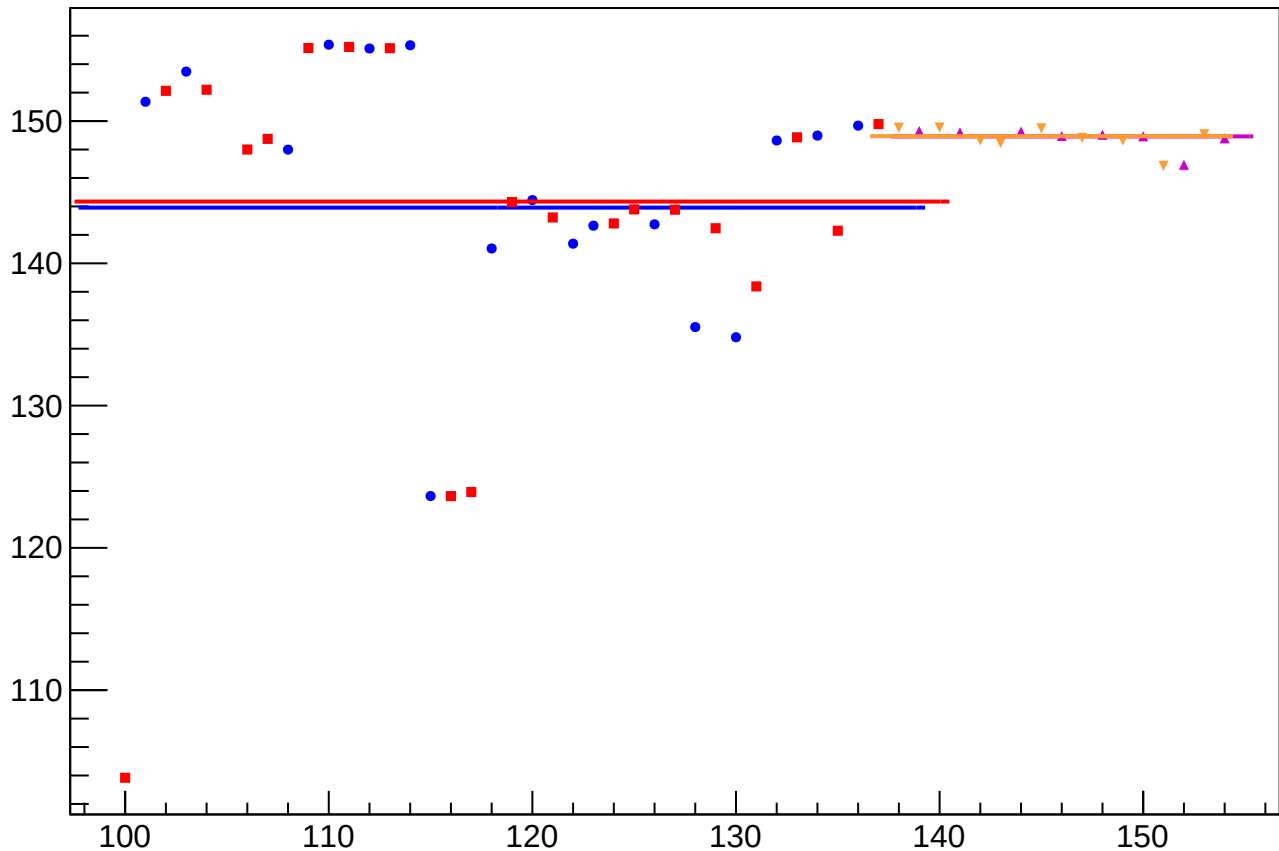
Left In: 0.367+/-0.000 χ^2/NDF : 442081.5/7

0.334+/-0.000 χ^2/NDF : 1828010.7/25

0.337+/-0.000 χ^2/NDF : 3625397.5/53

0.341+/-0.000 χ^2/NDF : 1792116.2/27

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.917 $\pm$ 0.000 χ^2 /NDF: 3584662767.5/16

Left Out: 148.938 $\pm$ 0.000 χ^2 /NDF: 24496900.5/8

Right Out: 144.342 $\pm$ 0.000 χ^2 /NDF: 4551365931.0/19

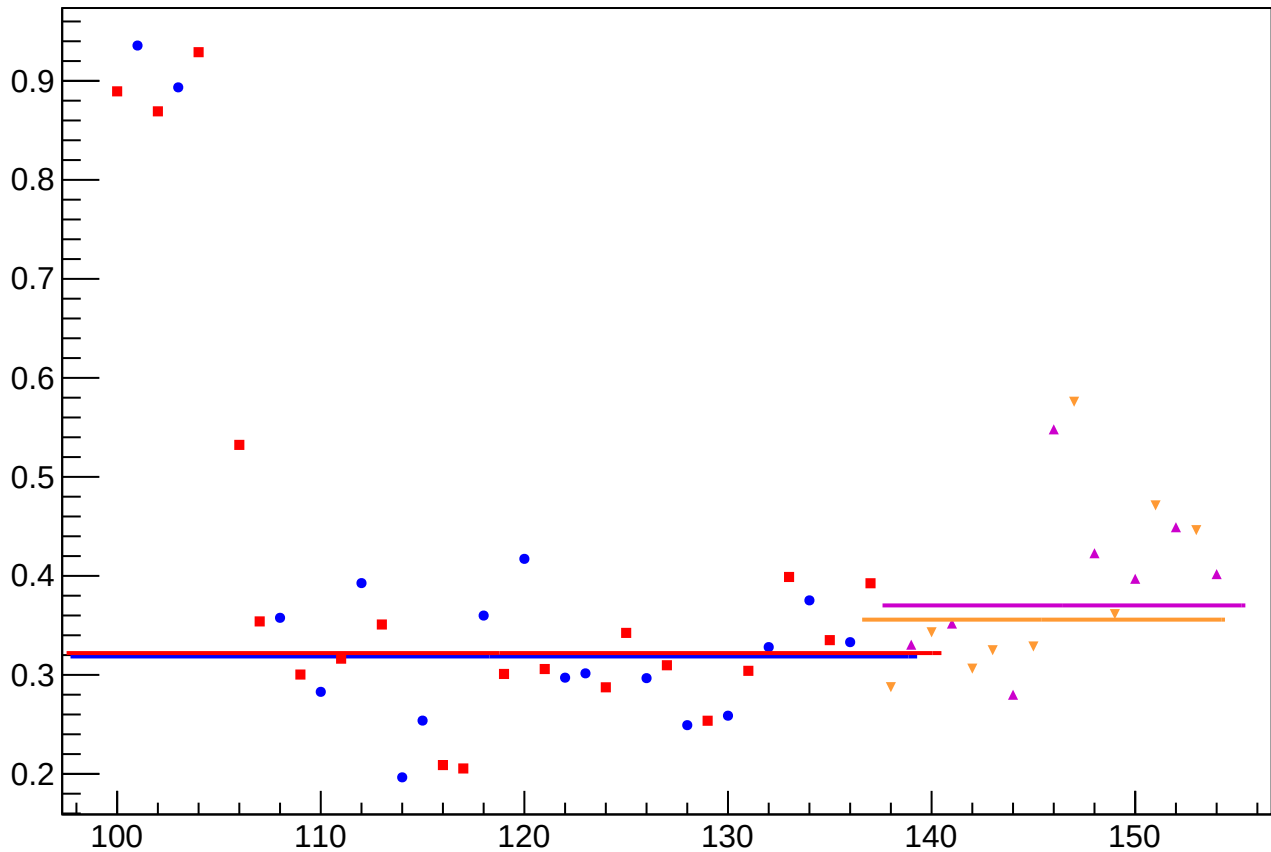
Left In: 148.922 $\pm$ 0.000 χ^2 /NDF: 18187745.2/7

146.247 $\pm$ 0.000 χ^2 /NDF: 4253082139.8/25

146.298 $\pm$ 0.000 χ^2 /NDF: 9344667870.7/

146.350 $\pm$ 0.000 χ^2 /NDF: 5091045756.3/27

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.319 $\pm$ 0.000 χ^2/NDF : 1280748.9/16

Left Out: 0.356 $\pm$ 0.000 χ^2/NDF : 492211.3/8

Right Out: 0.322 $\pm$ 0.000 χ^2/NDF : 1243109.0/19

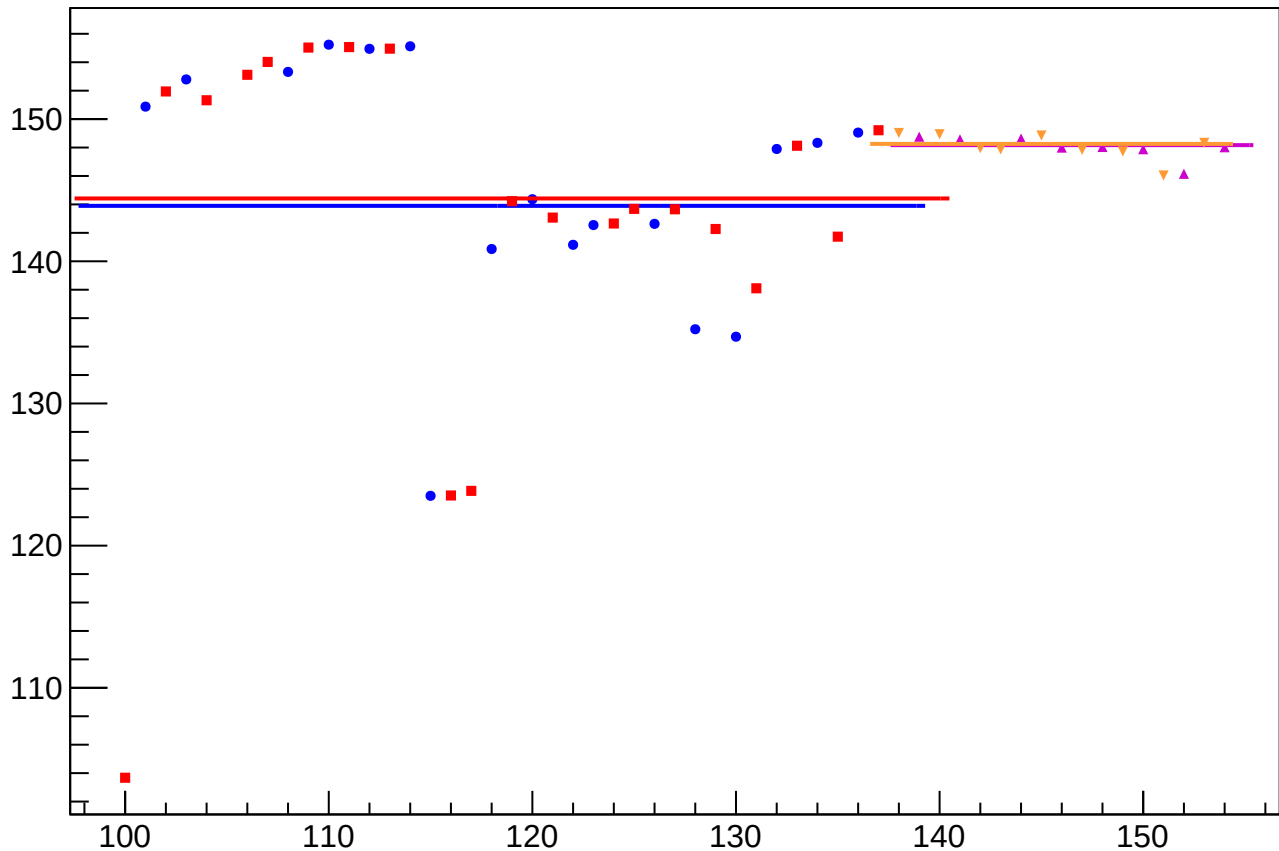
Left In: 0.370 $\pm$ 0.000 χ^2/NDF : 452846.9/7

0.336 $\pm$ 0.000 χ^2/NDF : 1843644.9/25

0.339 $\pm$ 0.000 χ^2/NDF : 3660228.3/53

0.343 $\pm$ 0.000 χ^2/NDF : 1811215.7/27

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.899 $\pm$ 0.000 χ^2 /NDF: 3749888331.0/16

Left Out: 148.254 $\pm$ 0.000 χ^2 /NDF: 30778700.1/8

Right Out: 144.419 $\pm$ 0.000 χ^2 /NDF: 4820290476.6/19

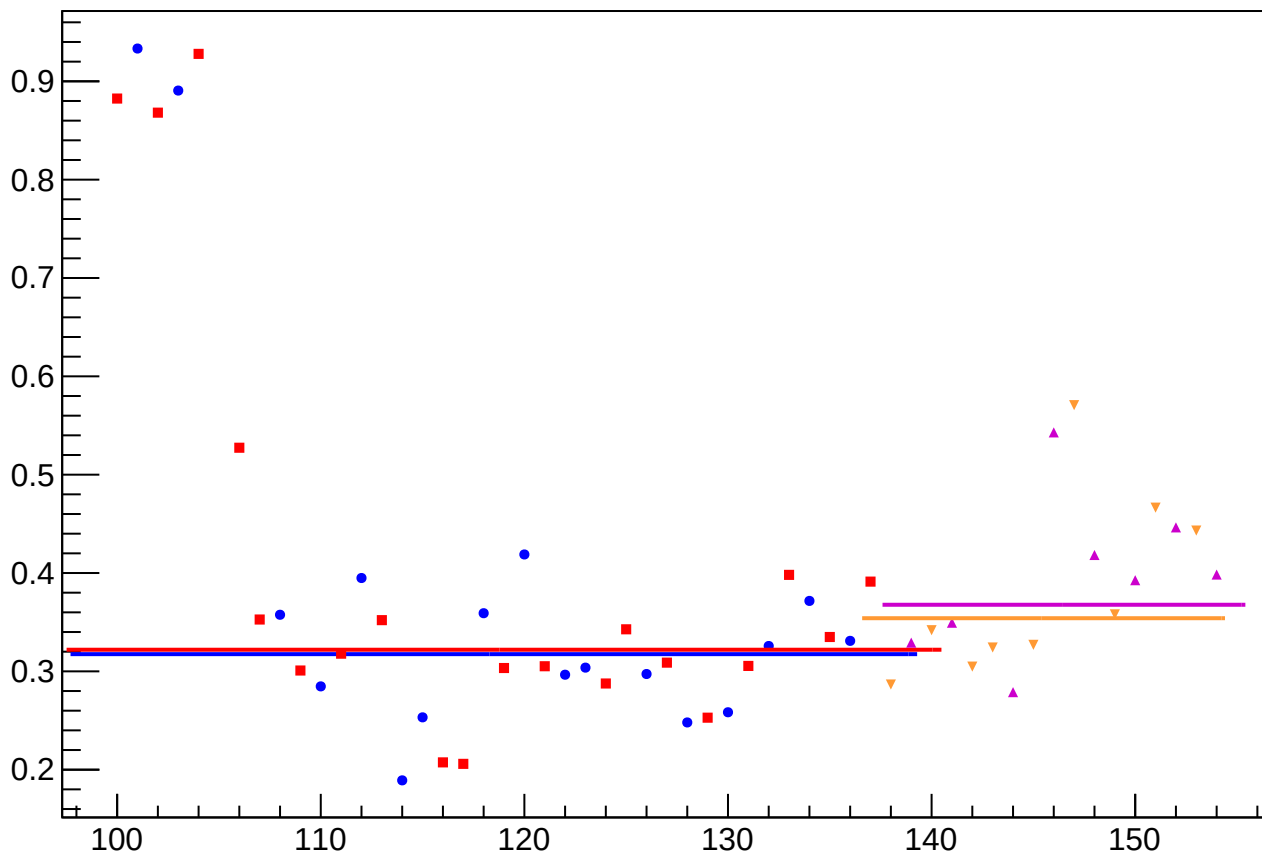
Left In: 148.169 $\pm$ 0.000 χ^2 /NDF: 22197450.0/7

145.925 $\pm$ 0.000 χ^2 /NDF: 4269090873.2/25

146.000 $\pm$ 0.000 χ^2 /NDF: 9465283140.2/27

146.075 $\pm$ 0.000 χ^2 /NDF: 5195044413.6/27

yield_bcm_an_us_rms vs Slug, Sign Corrected



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

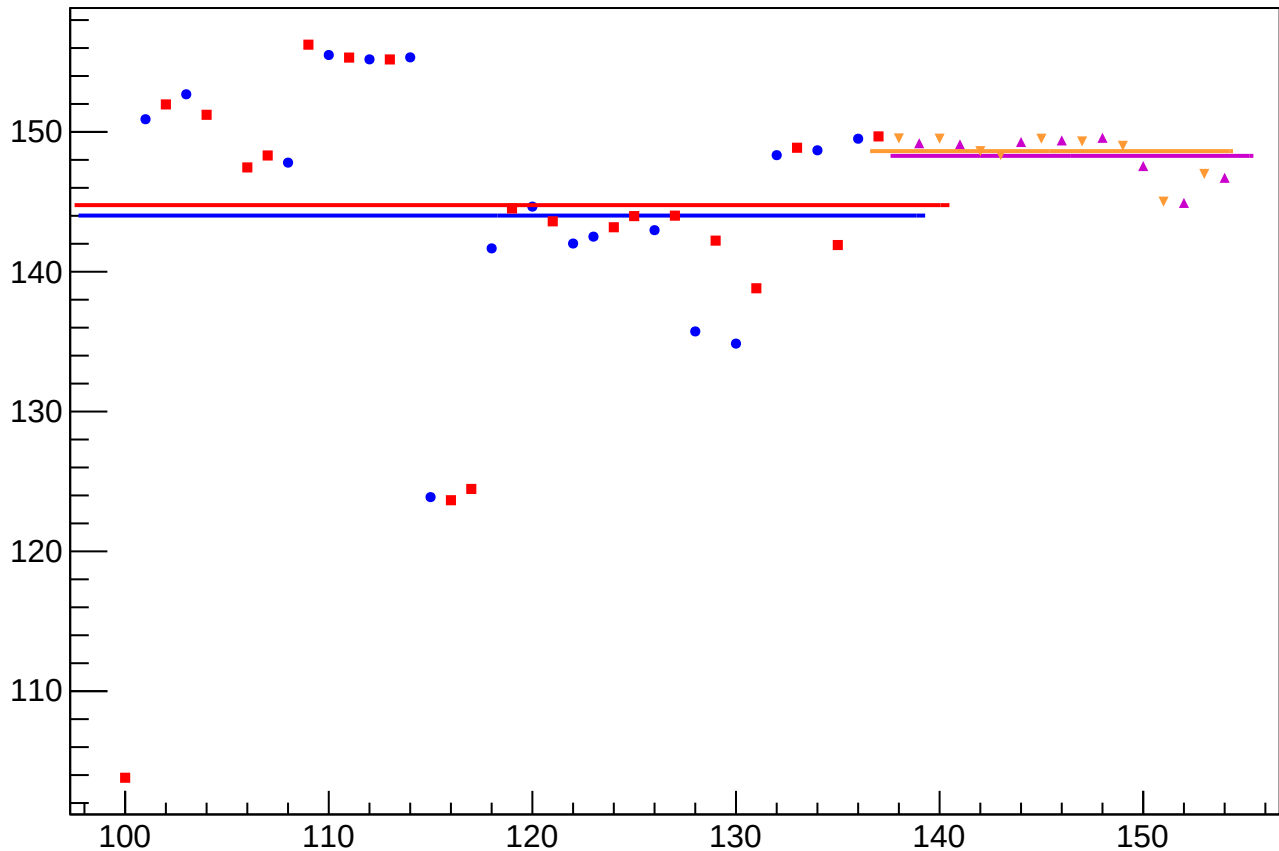
Left In: 0.368+/-0.000 χ^2/NDF : 444193.3/7

0.334+/-0.000 χ^2/NDF : 1845157.9/25

0.338+/-0.000 χ^2/NDF : 3643943.6/53

0.342+/-0.000 χ^2/NDF : 1792721.2/27

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.018 +/- 0.000 χ^2/NDF : 3238525527.6/16

Left Out: 148.627 +/- 0.000 χ^2/NDF : 72345171.0/8

Right Out: 144.764 +/- 0.000 χ^2/NDF : 4098462011.9/19

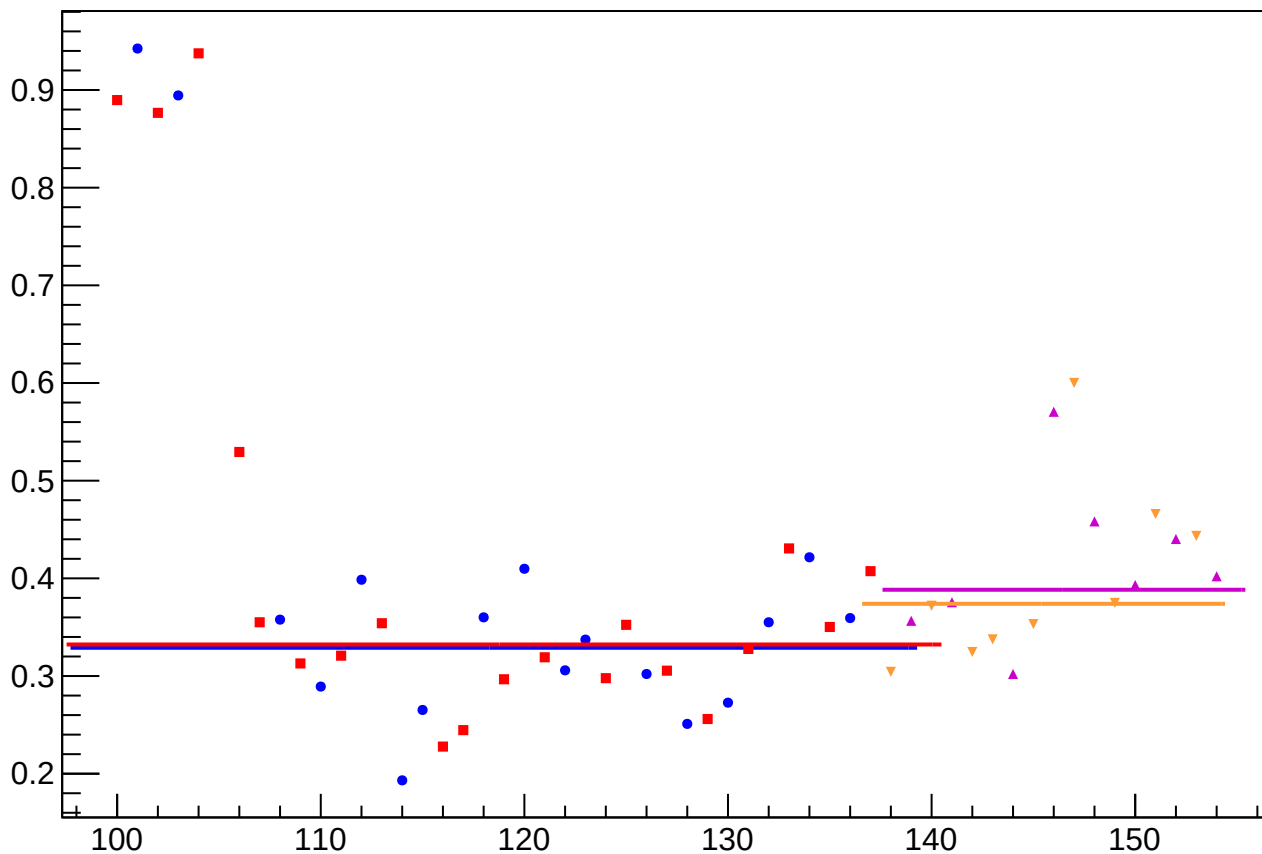
Left In: 148.288 +/- 0.000 χ^2/NDF : 86651486.9/7

146.119 +/- 0.000 χ^2/NDF : 3808640082.1/25

146.201 +/- 0.000 χ^2/NDF : 8280518878.0/25

146.283 +/- 0.000 χ^2/NDF : 4470615730.0/27

yield_bcm_dg_us_rms vs Slug, Sign Corrected



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

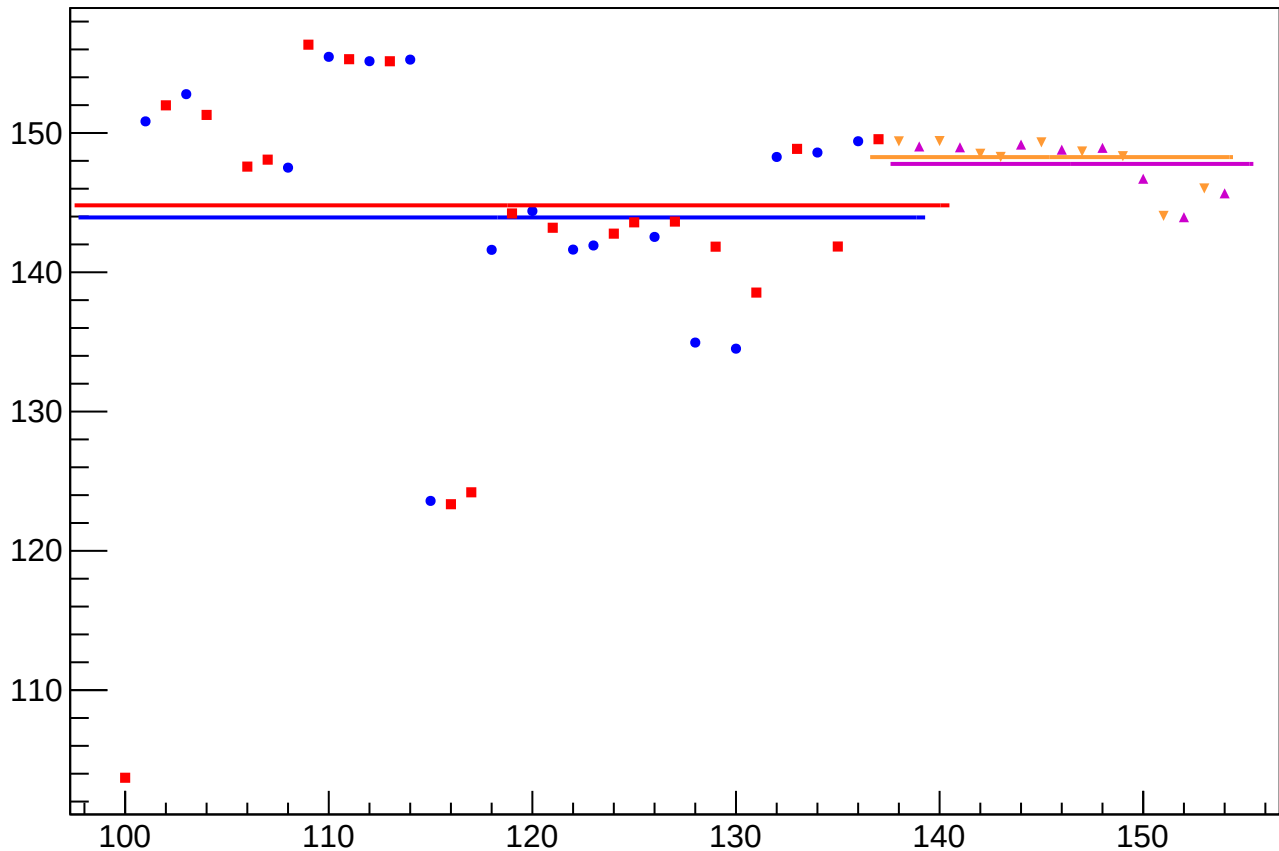
Left In: 0.388+/-0.000 χ^2/NDF : 366354.3/7

0.349+/-0.000 χ^2/NDF : 1785934.8/25

0.353+/-0.000 χ^2/NDF : 3492884.3/53

0.356+/-0.000 χ^2/NDF : 1702375.9/27

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.937 $\pm$ 0.000 χ^2 /NDF: 3379203532.9/16

Left Out: 148.269 $\pm$ 0.000 χ^2 /NDF: 104552102.1/8

Right Out: 144.806 $\pm$ 0.000 χ^2 /NDF: 4139087143.3/19

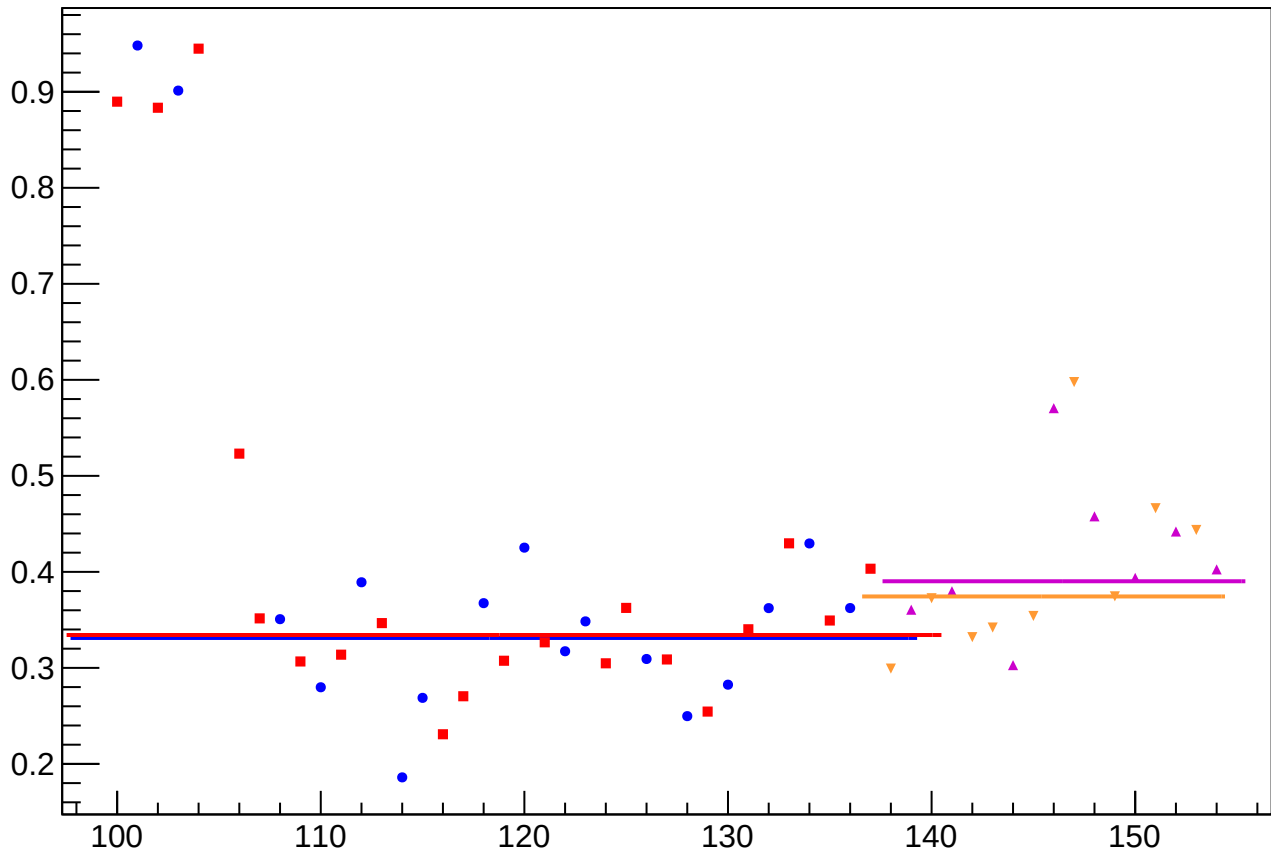
Left In: 147.780 $\pm$ 0.000 χ^2 /NDF: 127089505.4/7

145.925 $\pm$ 0.000 χ^2 /NDF: 3918867842.9/25

146.007 $\pm$ 0.000 χ^2 /NDF: 8387075763.4/26

146.089 $\pm$ 0.000 χ^2 /NDF: 4466967652.6/27

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.331 $\pm$ 0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.374 $\pm$ 0.000 χ^2/NDF : 415533.3/8

Right Out: 0.334 $\pm$ 0.000 χ^2/NDF : 1176170.4/19

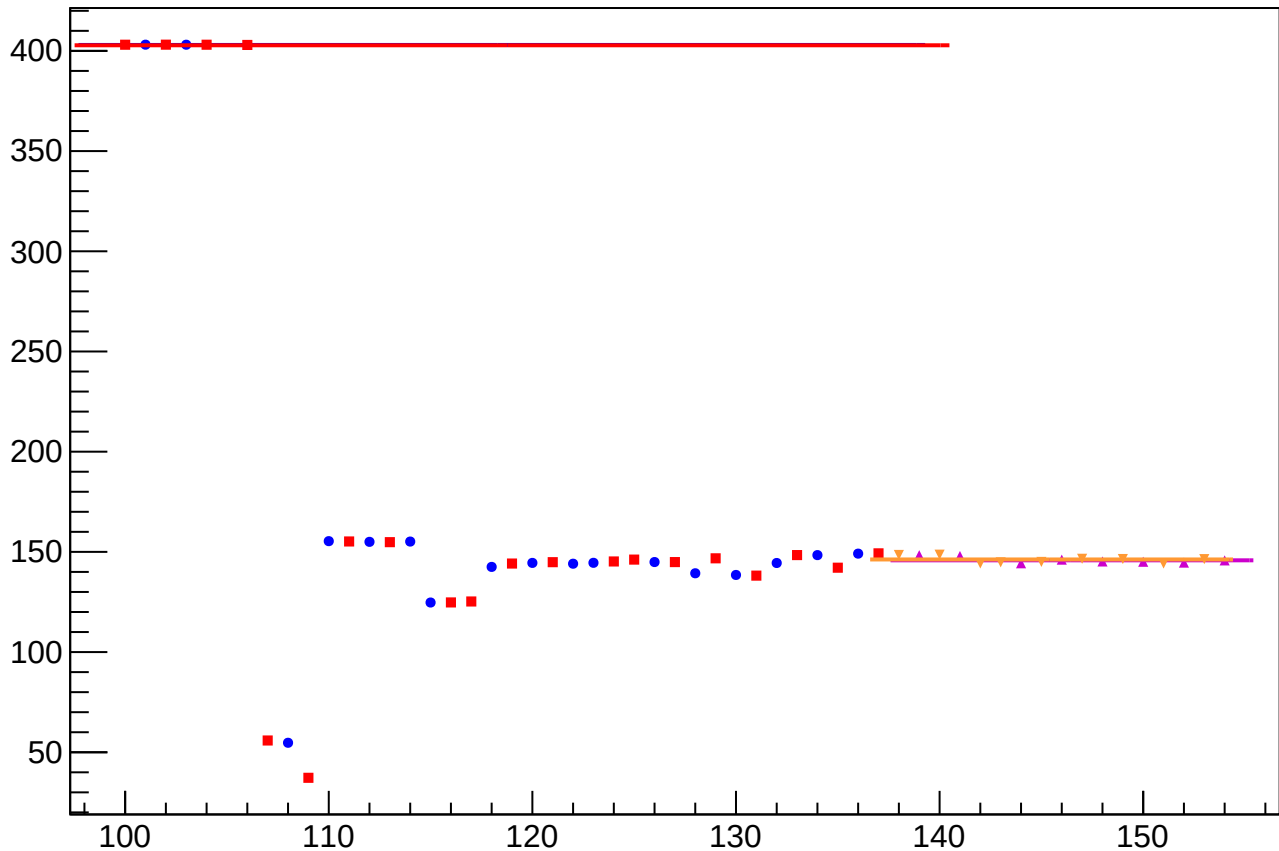
Left In: 0.390 $\pm$ 0.000 χ^2/NDF : 358758.3/7

0.351 $\pm$ 0.000 χ^2/NDF : 1797886.9/25

0.355 $\pm$ 0.000 χ^2/NDF : 3480110.8/53

0.358 $\pm$ 0.000 χ^2/NDF : 1677162.1/27

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.957 +/- 0.000 χ^2/NDF : 1096710296821.6/16

Left Out: 146.215 +/- 0.000 χ^2/NDF : 30391557.4/8

Right Out: 402.797 +/- 0.000 χ^2/NDF : 3122752044607.2/19

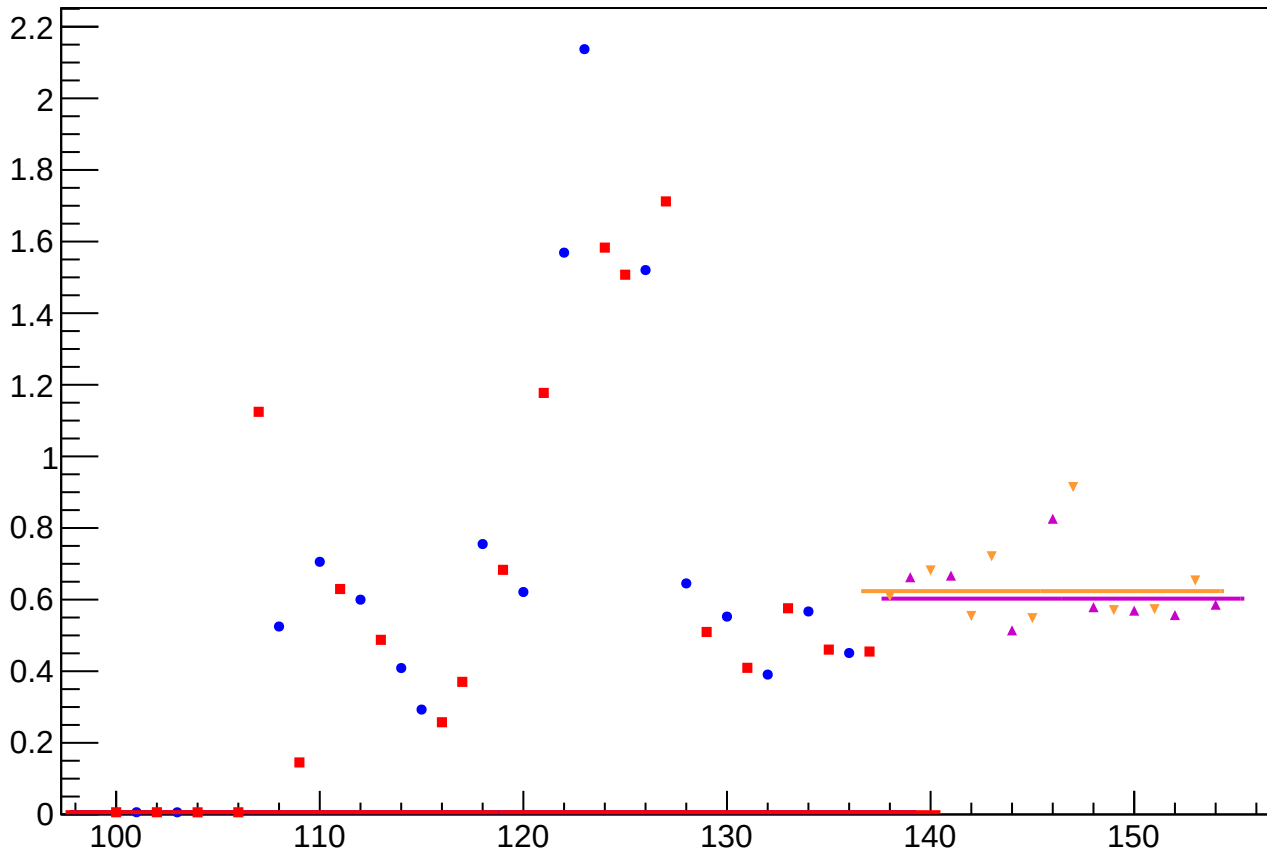
Left In: 145.789 +/- 0.000 χ^2/NDF : 23299583.6/7

402.866 +/- 0.000 χ^2/NDF : 1824484792771.4/25

402.783 +/- 0.000 χ^2/NDF : 573398223944

402.710 +/- 0.000 χ^2/NDF : 3909092739875.3/27

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006 $\pm$ 0.000 $\chi^2/\text{NDF}: 9161050.1/16$

Left Out: 0.624 $\pm$ 0.000 $\chi^2/\text{NDF}: 169783.7/8$

Right Out: 0.006 $\pm$ 0.000 $\chi^2/\text{NDF}: 9277290.2/19$

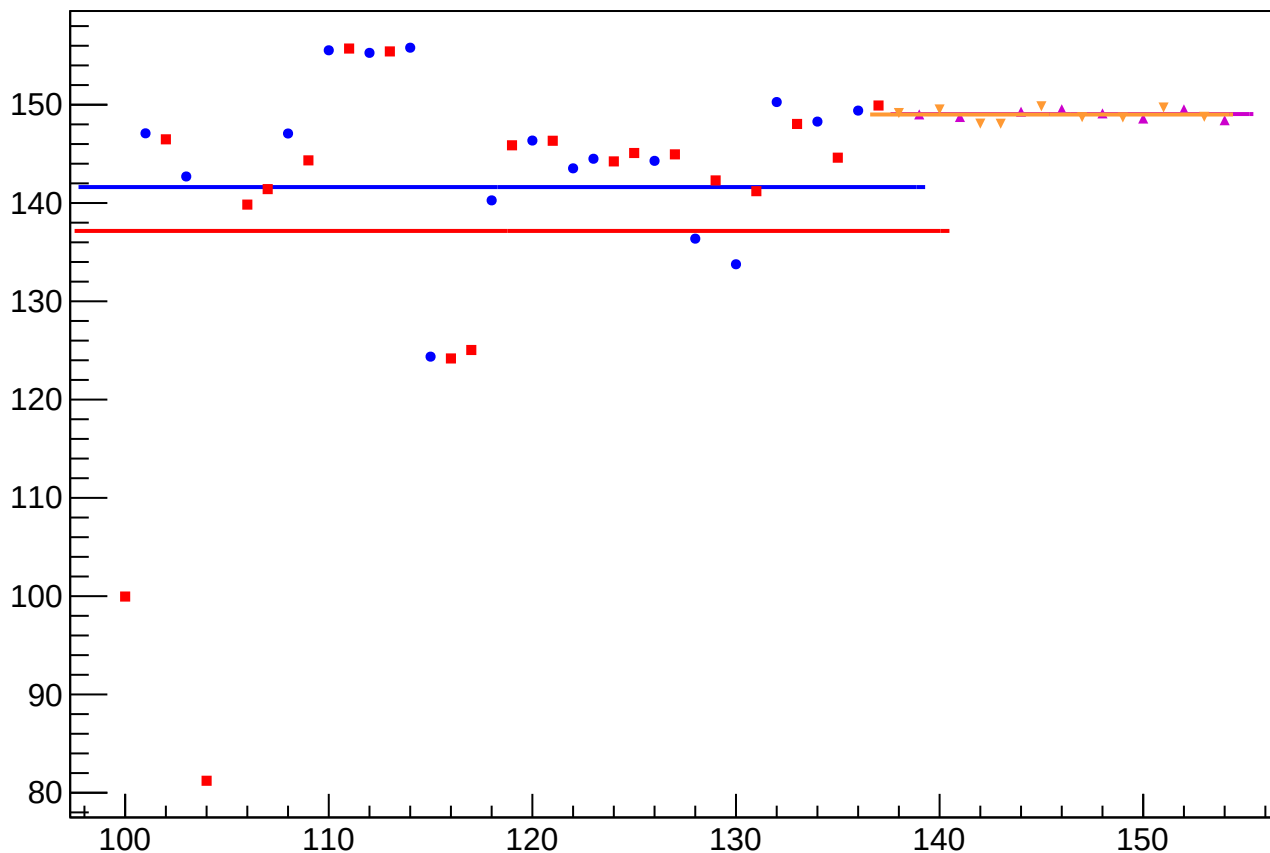
Left In: 0.603 $\pm$ 0.000 $\chi^2/\text{NDF}: 143185.1/7$

0.007 $\pm$ 0.000 $\chi^2/\text{NDF}: 17748774.4/25$

0.007 $\pm$ 0.000 $\chi^2/\text{NDF}: 35638004.4/53$

0.007 $\pm$ 0.000 $\chi^2/\text{NDF}: 17889207.2/27$

yield_cav4cQ_mean vs Slug, Sign Corrected



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

Right Out: 137.160 $\pm$ 0.000 χ^2 /NDF: 1365742338.8/19

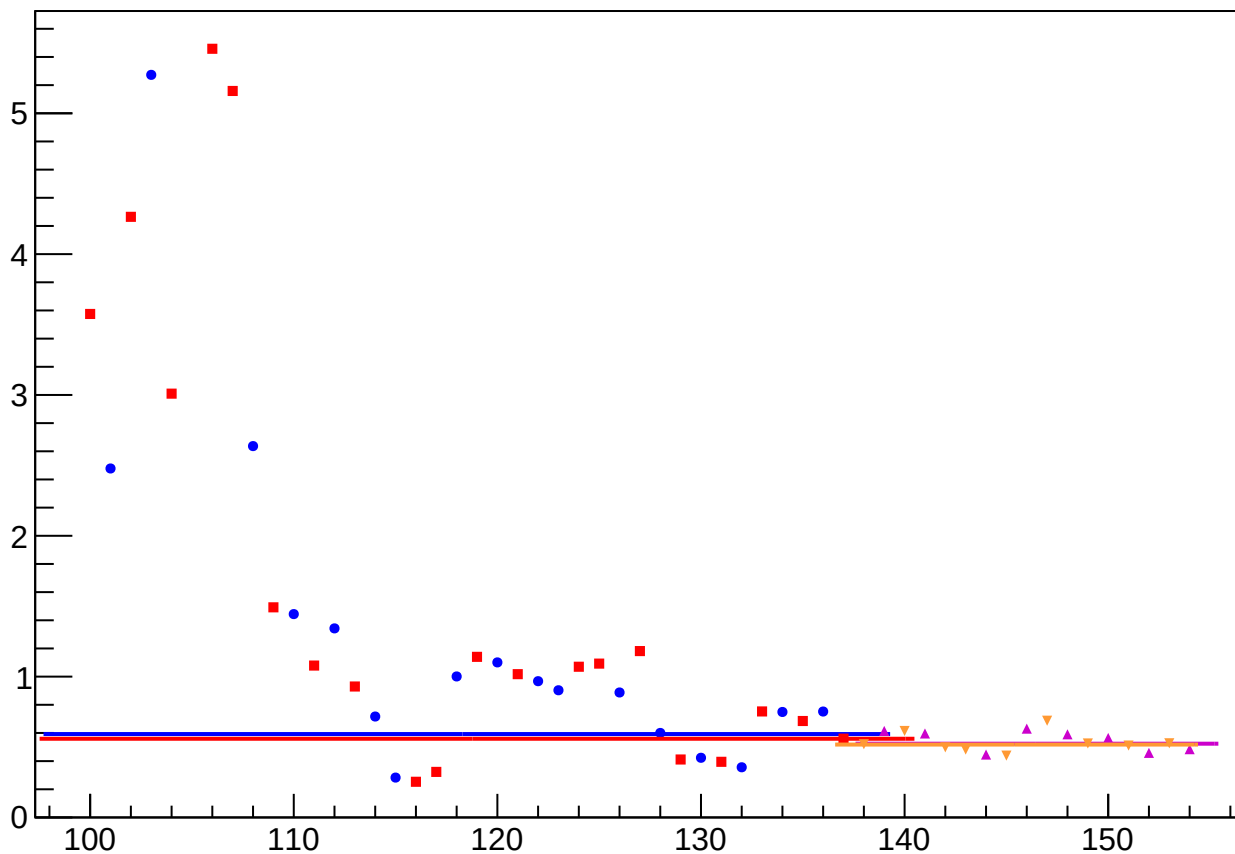
Left In: 149.051 $\pm$ 0.000 χ^2 /NDF: 3572753.2/7

146.533 $\pm$ 0.000 χ^2 /NDF: 1357416629.4/25

145.677 $\pm$ 0.000 χ^2 /NDF: 3770730640.3/27

144.840 $\pm$ 0.000 χ^2 /NDF: 2369538541.2/27

yield_cav4cQ_rms vs Slug, Sign Corrected



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

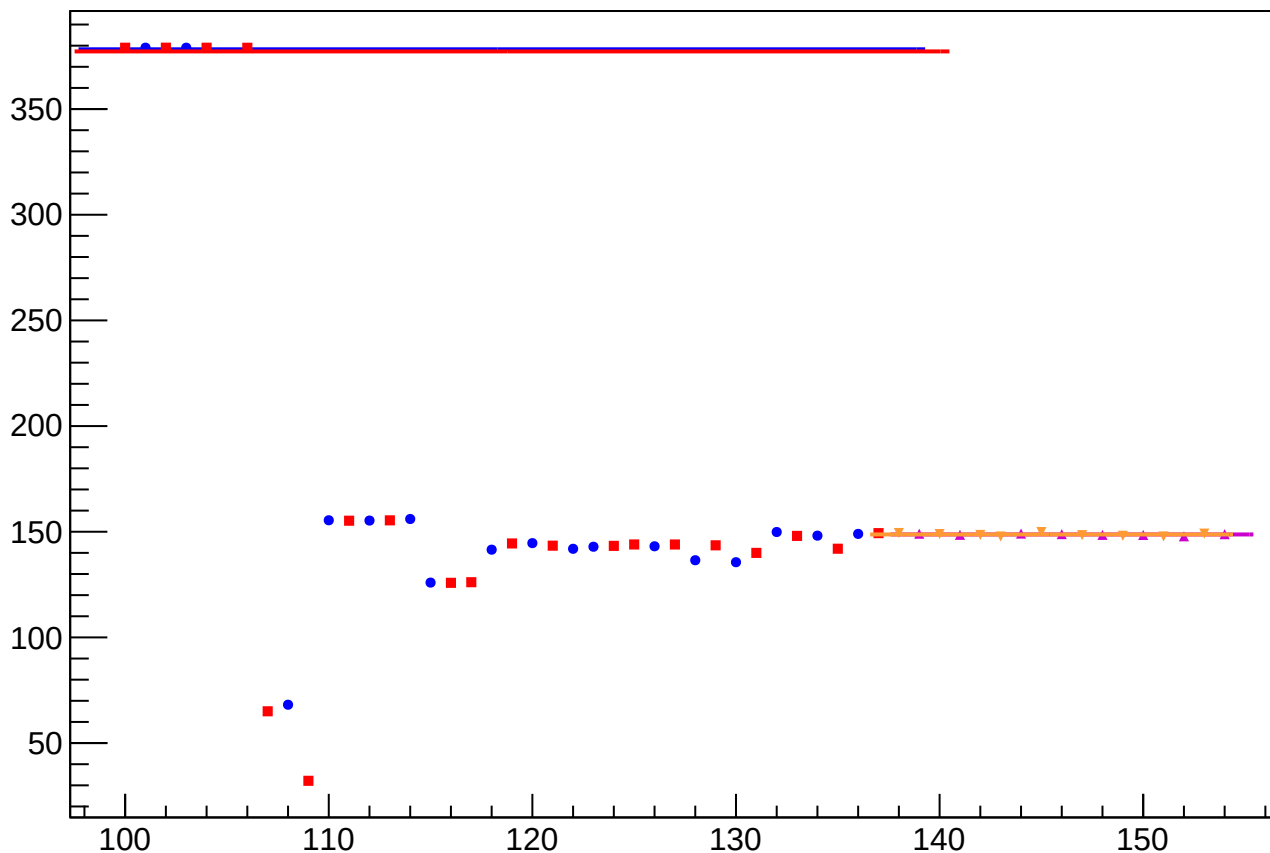
Left In: 0.524+/-0.000 χ^2/NDF : 190733.7/7

0.543+/-0.000 χ^2/NDF : 3759924.3/25

0.539+/-0.000 χ^2/NDF : 8689253.9/53

0.536+/-0.000 χ^2/NDF : 4928049.9/27

yield_cav4dQ_mean vs Slug, Sign Corrected



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

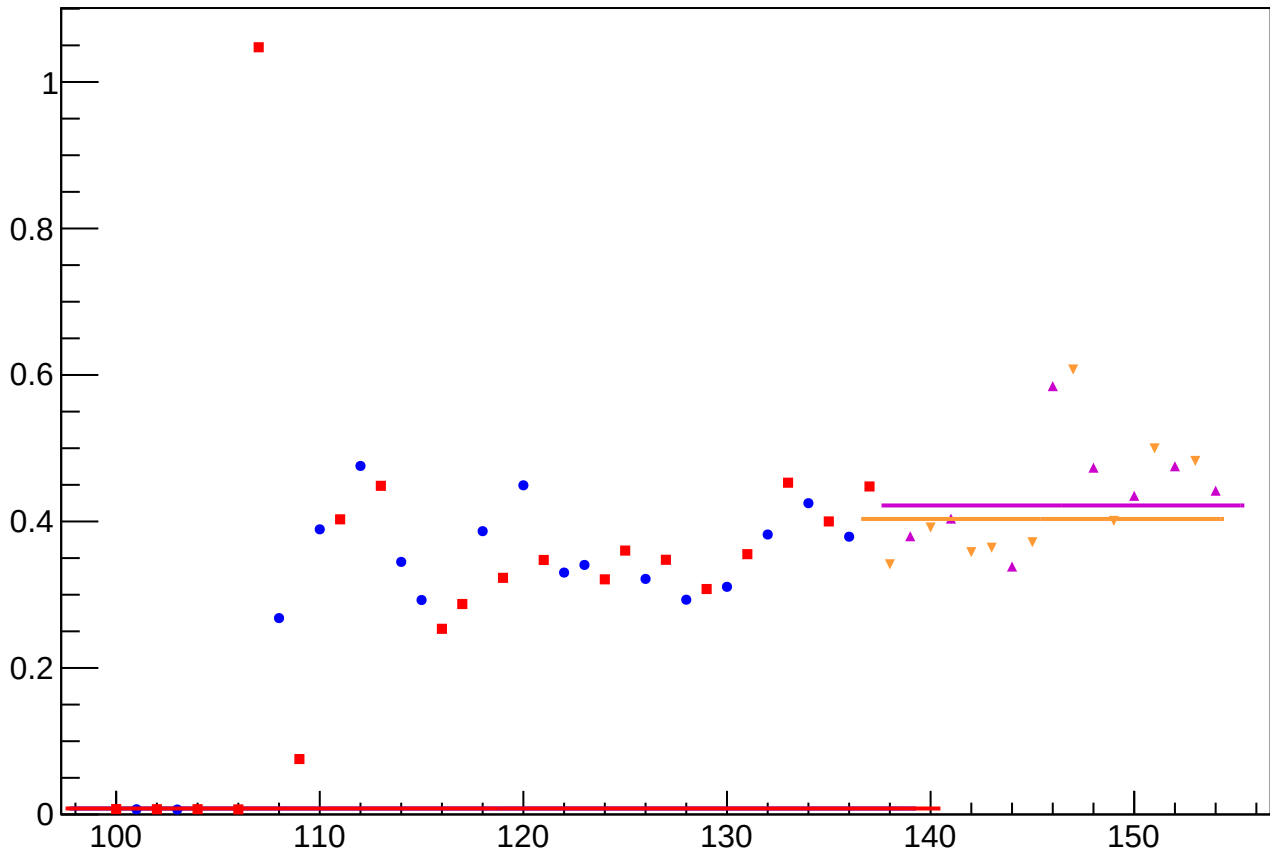
Left In: 148.716+/-0.000 χ^2/NDF : 5253853.8/7

377.633+/-0.000 χ^2/NDF : 4494294358952.8/25

377.168+/-0.000 χ^2/NDF : 146194174186

376.760+/-0.000 χ^2/NDF : 10119696387992.3/2

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 +/- 0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.403 +/- 0.000 χ^2/NDF : 350468.4/8

Right Out: 0.008 +/- 0.000 χ^2/NDF : 9601959.4/19

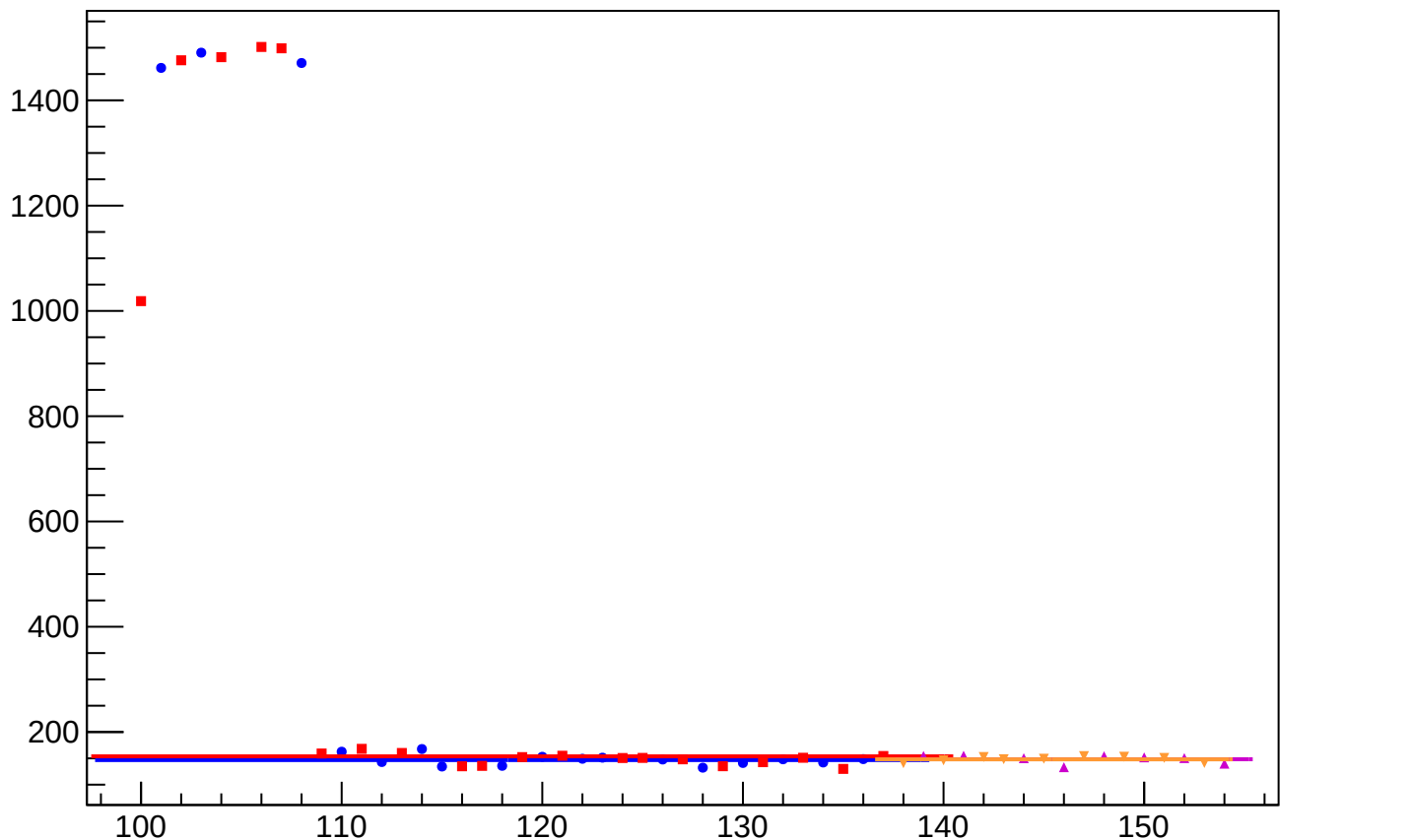
Left In: 0.422 +/- 0.000 χ^2/NDF : 288342.1/7

0.009 +/- 0.000 χ^2/NDF : 21991316.4/25

0.009 +/- 0.000 χ^2/NDF : 43763091.1/53

0.009 +/- 0.000 χ^2/NDF : 21771482.5/27

yield_bcm0l02_mean vs Slug, Sign Corrected



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

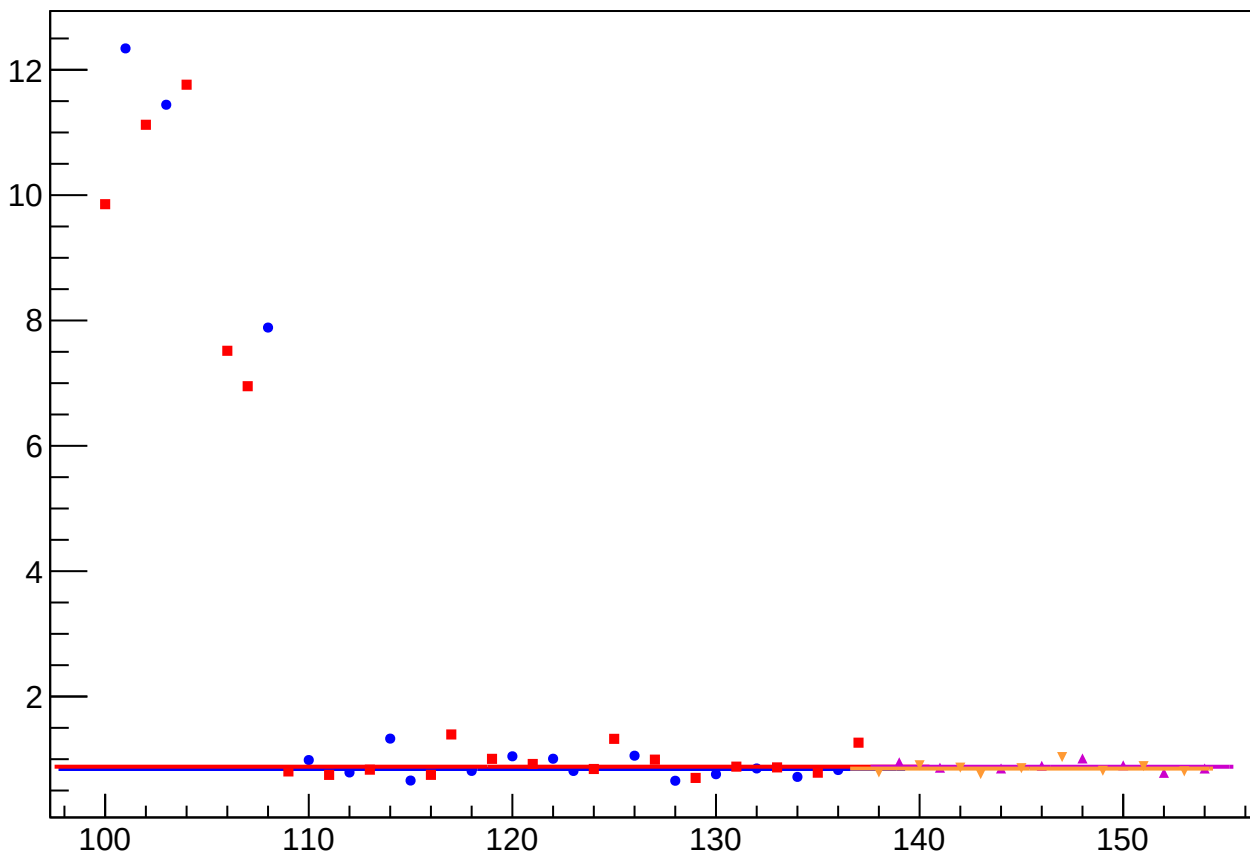
Left In: 148.278+/-0.000 χ^2/NDF : 362664146.8/7

147.513+/-0.000 χ^2/NDF : 24514138382.1/25

149.102+/-0.000 χ^2/NDF : 58775286244.1

150.726+/-0.000 χ^2/NDF : 34198408977.0/27

yield_bcm0l02_rms vs Slug, Sign Corrected



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

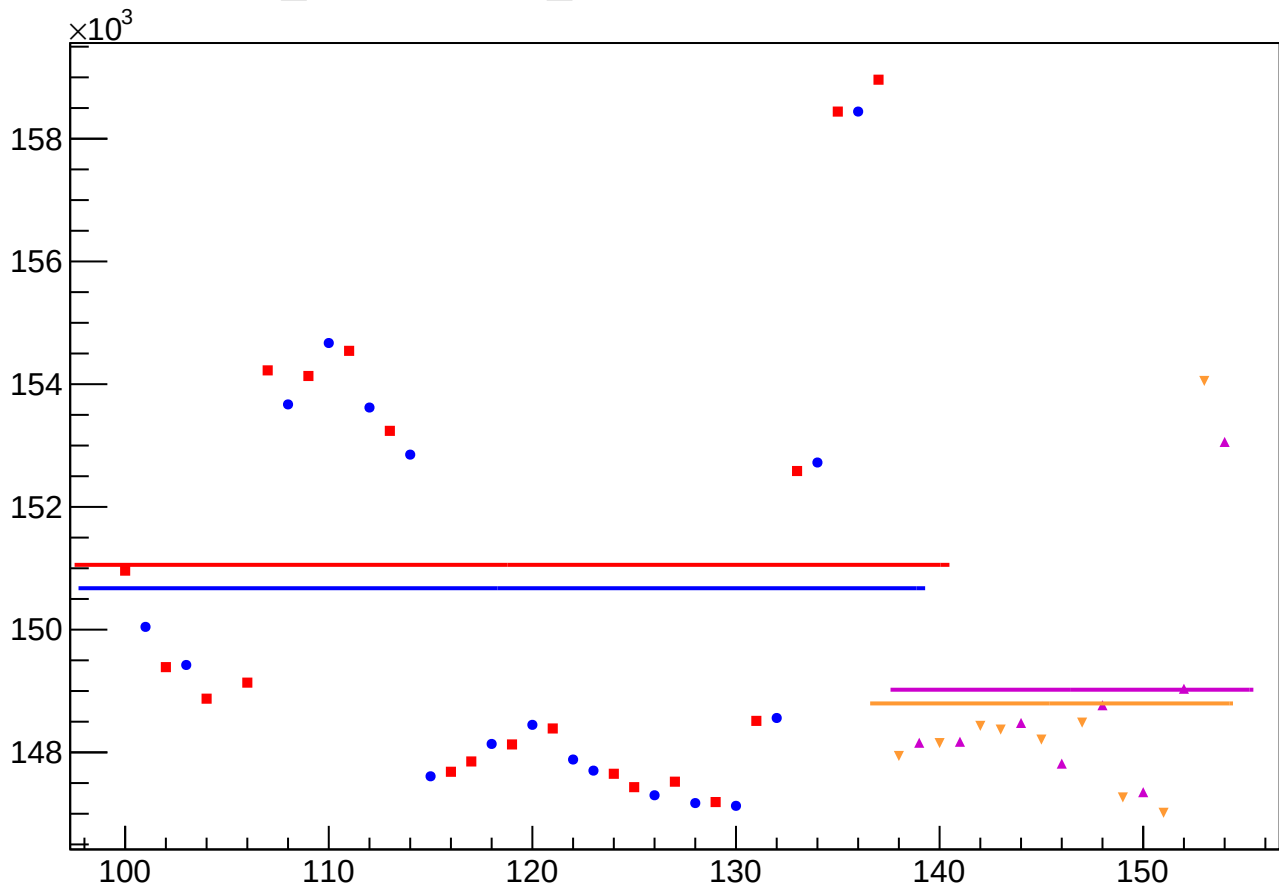
Left In: 0.879 ± 0.000 χ^2/NDF : 55109.3/7

0.847 ± 0.000 χ^2/NDF : 2744953.3/25

0.863 ± 0.000 χ^2/NDF : 5636255.6/53

0.880 ± 0.000 χ^2/NDF : 2878344.3/27

yield_bpm0i01WS_mean vs Slug, Sign Corrected



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

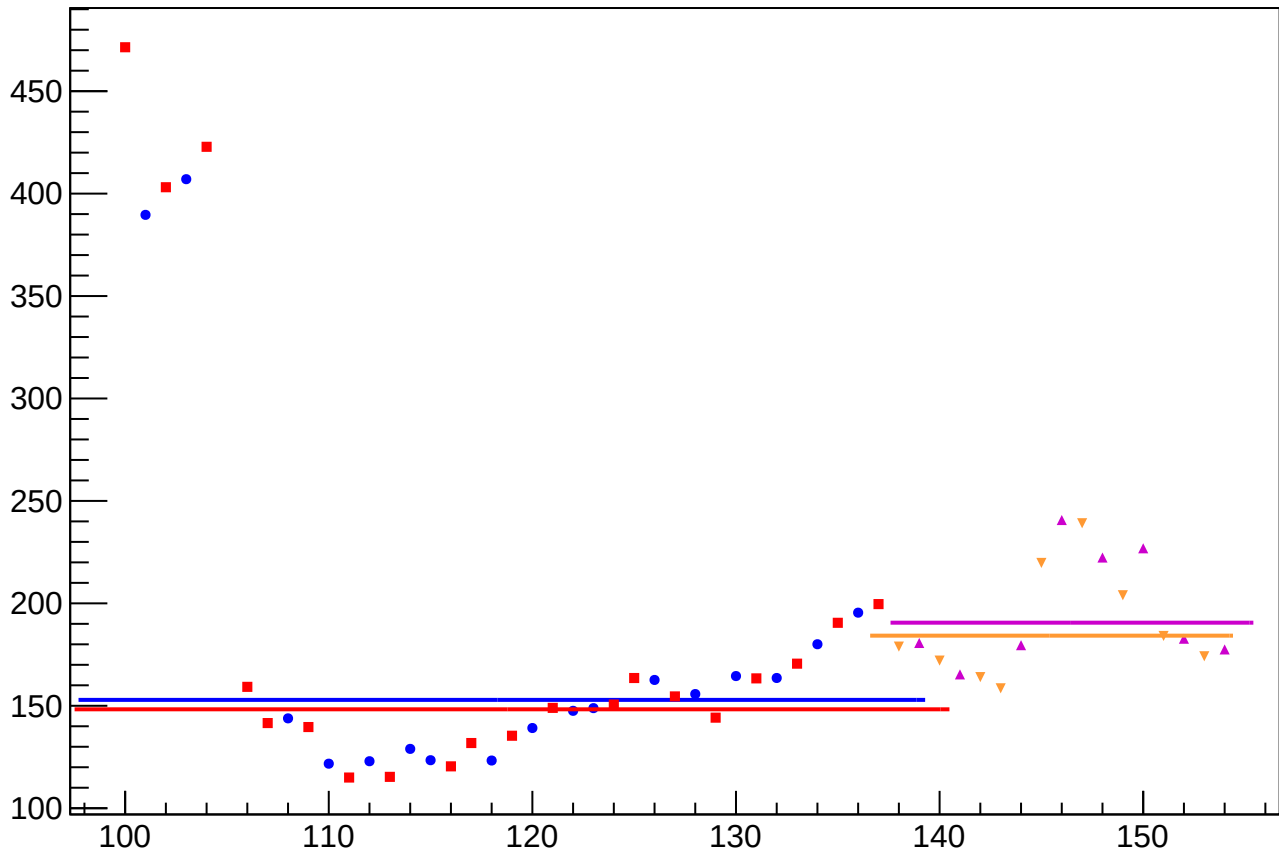
Left In: 149021.023 $\pm$ 0.076 χ^2 /NDF: 540245843.3/7

149872.269 $\pm$ 0.048 χ^2 /NDF: 4574930737.1/25

150079.789 $\pm$ 0.033 χ^2 /NDF: 892515873

150279.624 $\pm$ 0.047 χ^2 /NDF: 4312974310.7/27

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 152.883 +/- 0.045 χ^2/NDF : 1154088.7/16

Left Out: 184.234 +/- 0.052 χ^2/NDF : 198435.0/8

Right Out: 148.278 +/- 0.042 χ^2/NDF : 1192879.8/19

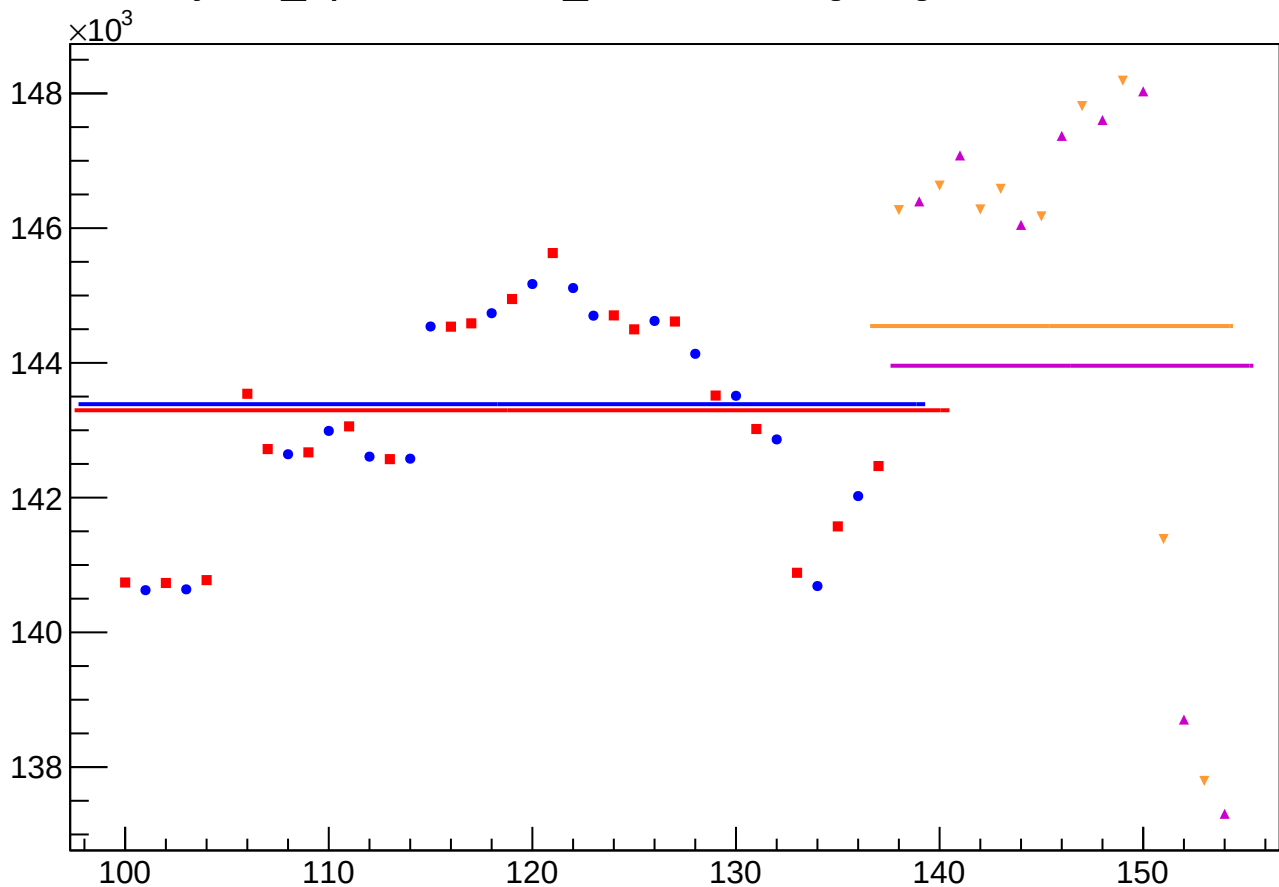
Left In: 190.565 +/- 0.054 χ^2/NDF : 206234.0/7

166.288 +/- 0.034 χ^2/NDF : 1564552.9/25

165.332 +/- 0.024 χ^2/NDF : 3351455.2/53

164.412 +/- 0.033 χ^2/NDF : 1785322.0/27

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



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

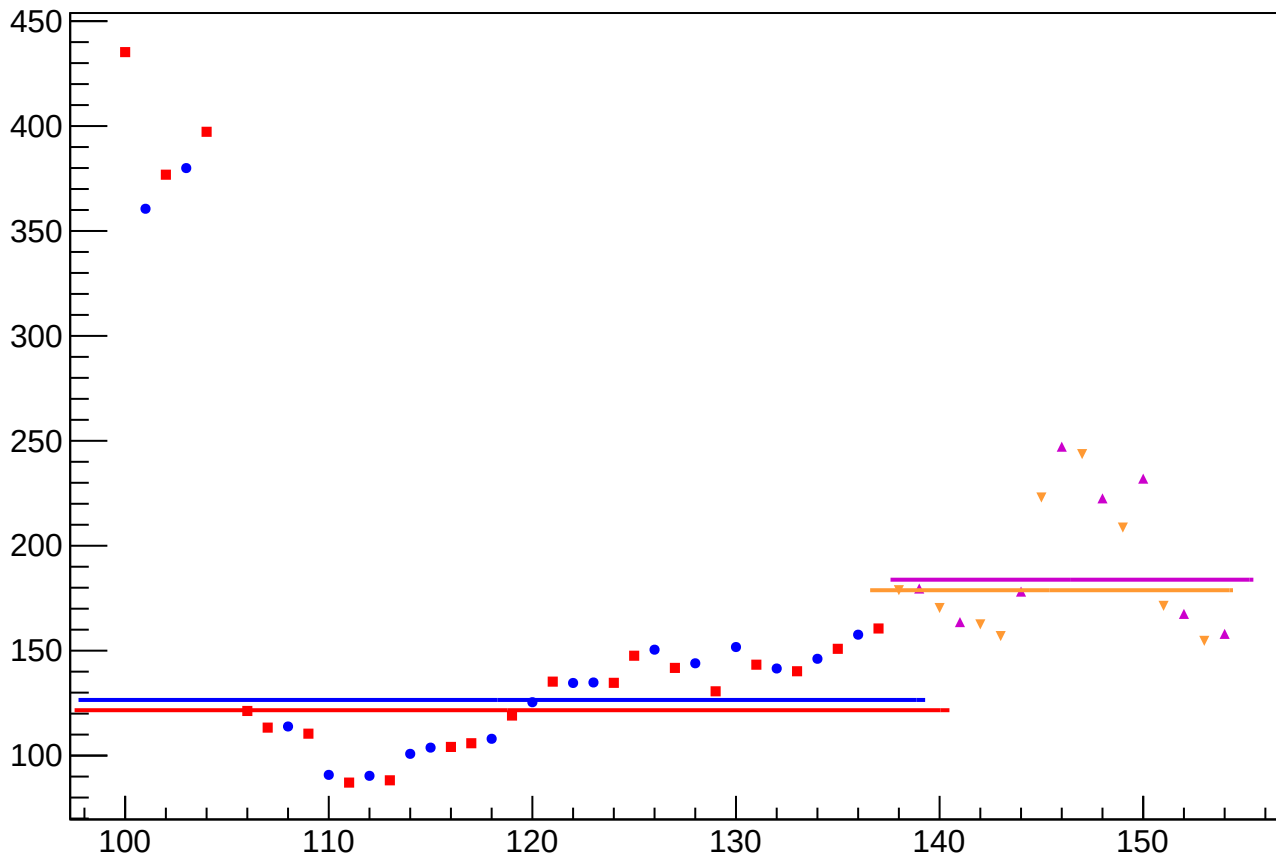
Left In: 143957.840 $\pm$ 0.073 χ^2 /NDF: 3430329349.5/7

143798.984 $\pm$ 0.042 χ^2 /NDF: 3238799392.7/25

143643.415 $\pm$ 0.029 χ^2 /NDF: 736640642

143499.780 $\pm$ 0.041 χ^2 /NDF: 4101641624.5/27

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 126.514 +/- 0.037 χ^2/NDF : 1441685.0/16

Left Out: 178.800 +/- 0.050 χ^2/NDF : 281470.1/8

Right Out: 121.625 +/- 0.035 χ^2/NDF : 1465763.8/19

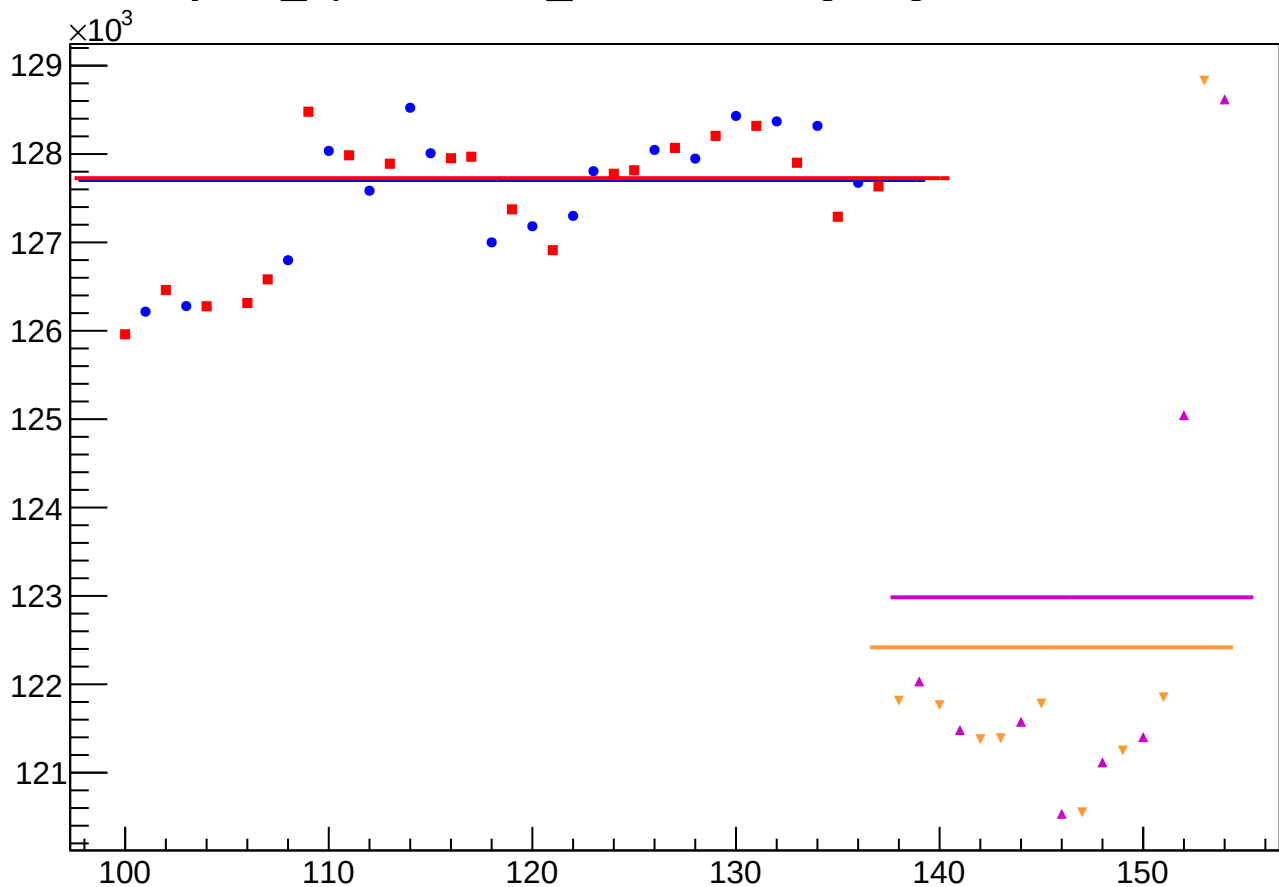
Left In: 183.818 +/- 0.052 χ^2/NDF : 312055.7/7

145.081 +/- 0.030 χ^2/NDF : 2421633.7/25

142.815 +/- 0.021 χ^2/NDF : 5204975.5/53

140.723 +/- 0.029 χ^2/NDF : 2772322.6/27

yield_bpm0l01WS_mean vs Slug, Sign Corrected



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

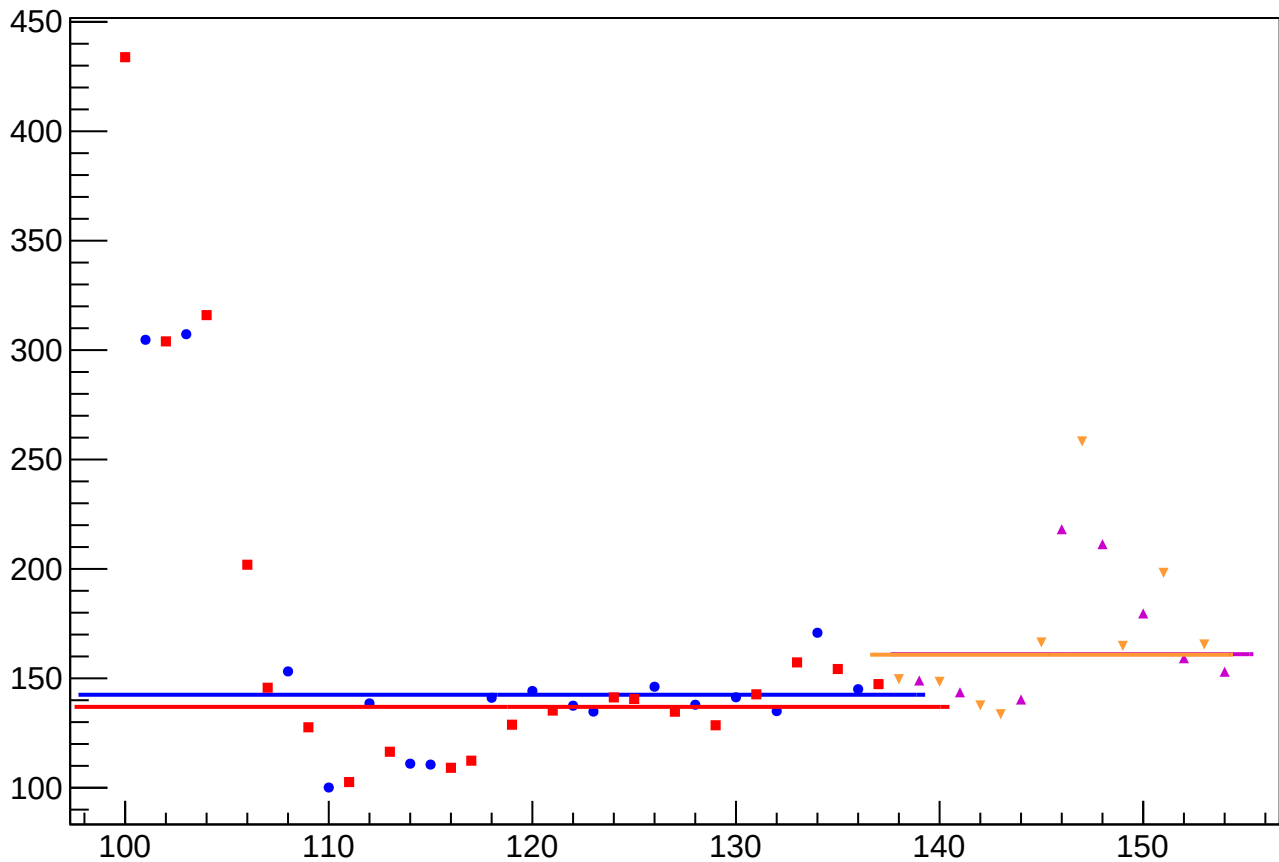
Left In: 122984.228 $\pm$ 0.065 χ^2 /NDF: 1671284434.9/7

125348.966 $\pm$ 0.043 χ^2 /NDF: 5161423473.5/25

125566.265 $\pm$ 0.030 χ^2 /NDF: 101513564

125767.174 $\pm$ 0.042 χ^2 /NDF: 4941288425.1/27

yield_bpm0l01WS_rms vs Slug, Sign Corrected



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

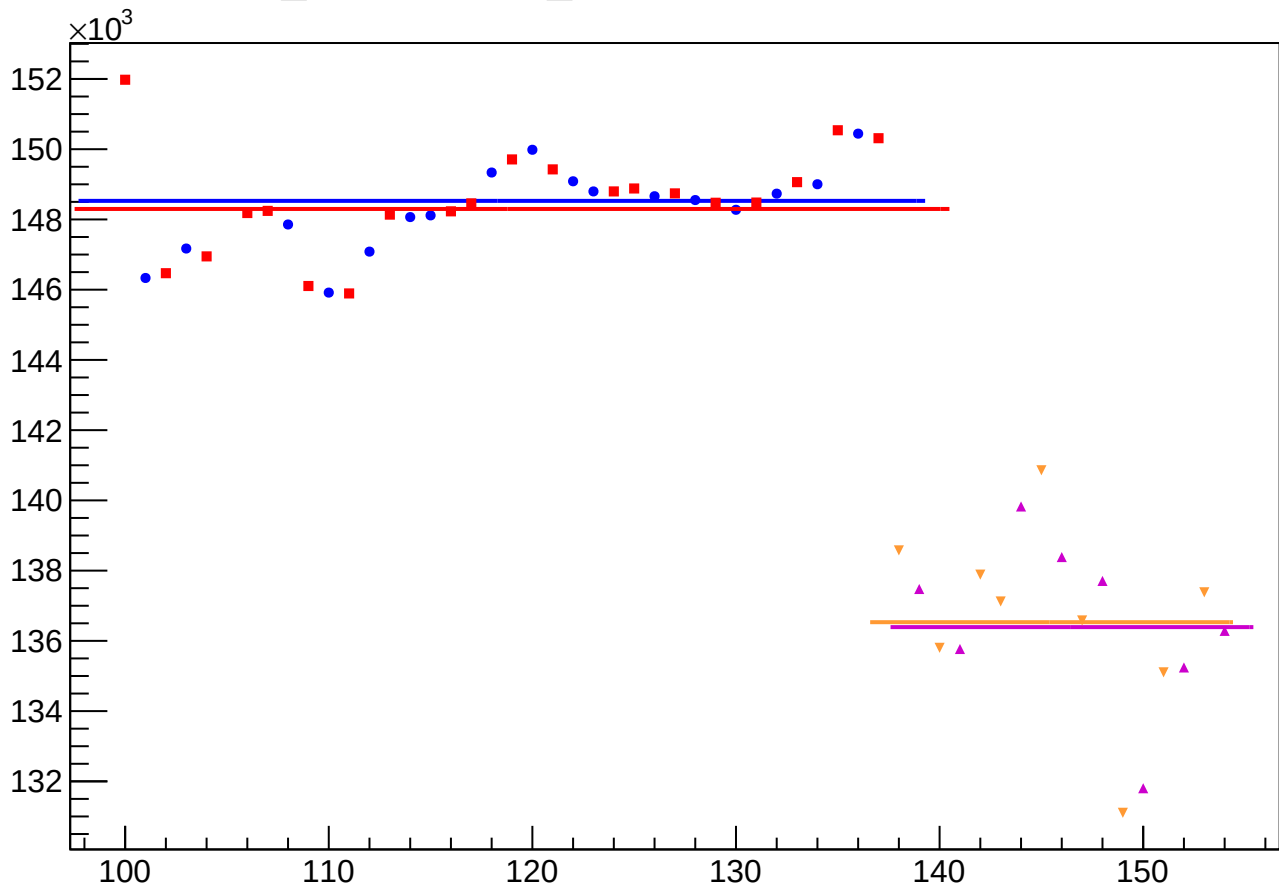
Left In: 161.039 $\pm$ 0.046 χ^2 /NDF: 286347.3/7

150.663 $\pm$ 0.031 χ^2 /NDF: 1298412.3/25

148.714 $\pm$ 0.021 χ^2 /NDF: 2716788.7/53

146.911 $\pm$ 0.029 χ^2 /NDF: 1410544.7/27

yield_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 148528.851 $\pm$ 0.082 χ^2 /NDF: 209986594.2/16

Left Out: 136531.803 $\pm$ 0.098 χ^2 /NDF: 734956323.5/8

Right Out: 148298.586 $\pm$ 0.076 χ^2 /NDF: 293284830.9/19

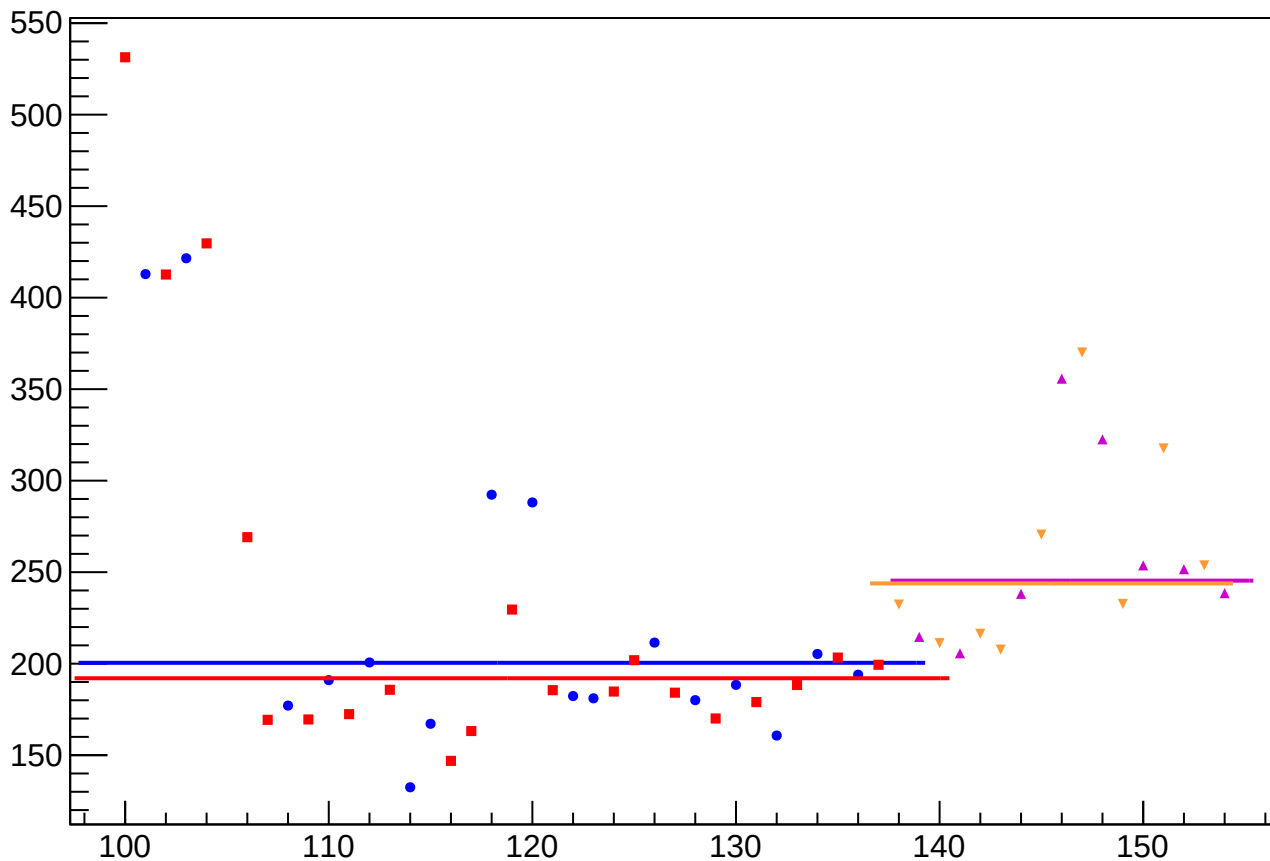
Left In: 136391.542 $\pm$ 0.098 χ^2 /NDF: 532860794.6/7

143562.671 $\pm$ 0.063 χ^2 /NDF: 9790397597.8/25

143707.268 $\pm$ 0.043 χ^2 /NDF: 198028902

143839.842 $\pm$ 0.060 χ^2 /NDF: 10002339505.2/2

yield_bpm0l02WS_rms vs Slug, Sign Corrected



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

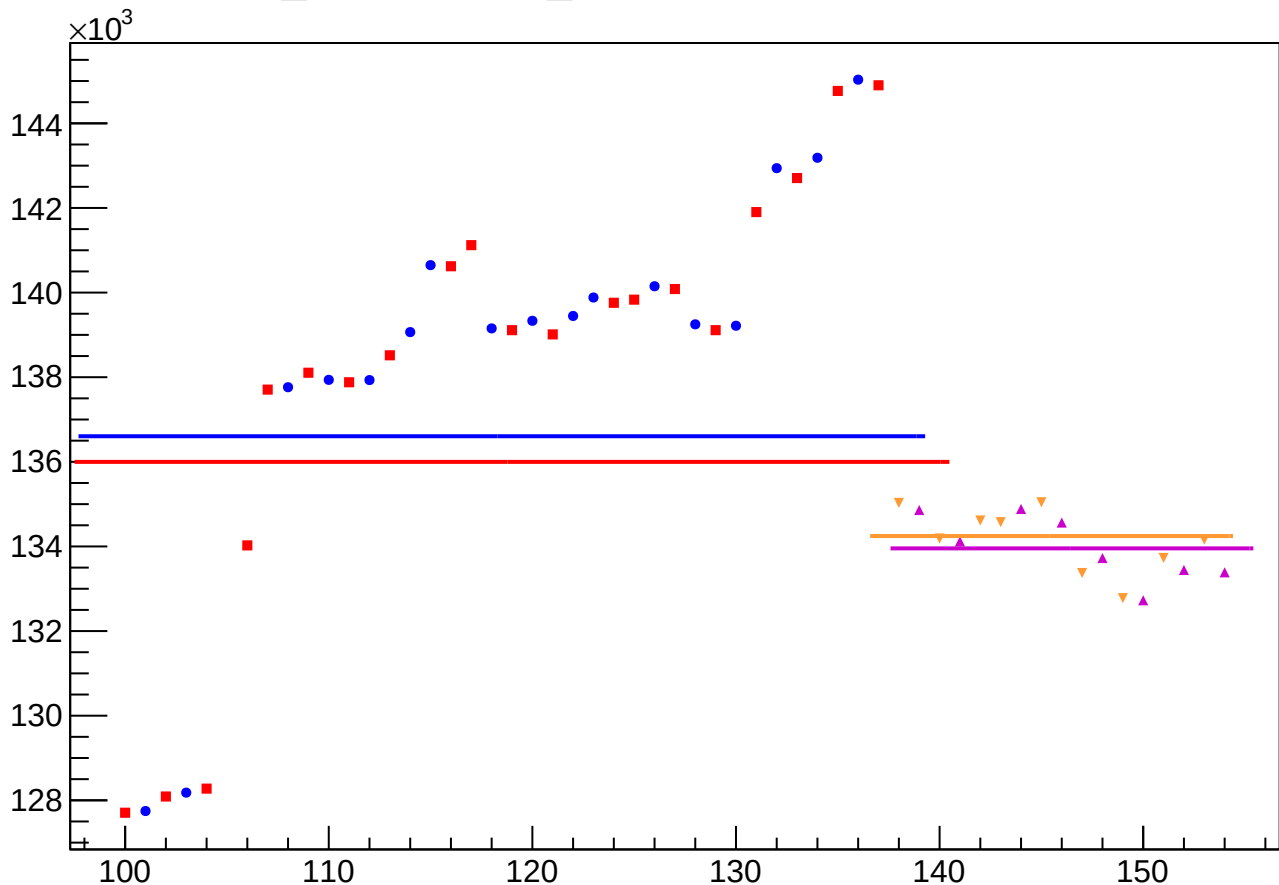
Left In: 245.376 ± 0.070 χ^2/NDF : 334079.7/7

218.429 ± 0.044 χ^2/NDF : 1544539.1/25

215.081 ± 0.031 χ^2/NDF : 3104860.7/53

212.012 ± 0.043 χ^2/NDF : 1549439.5/27

yield_bpm0l03WS_mean vs Slug, Sign Corrected



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

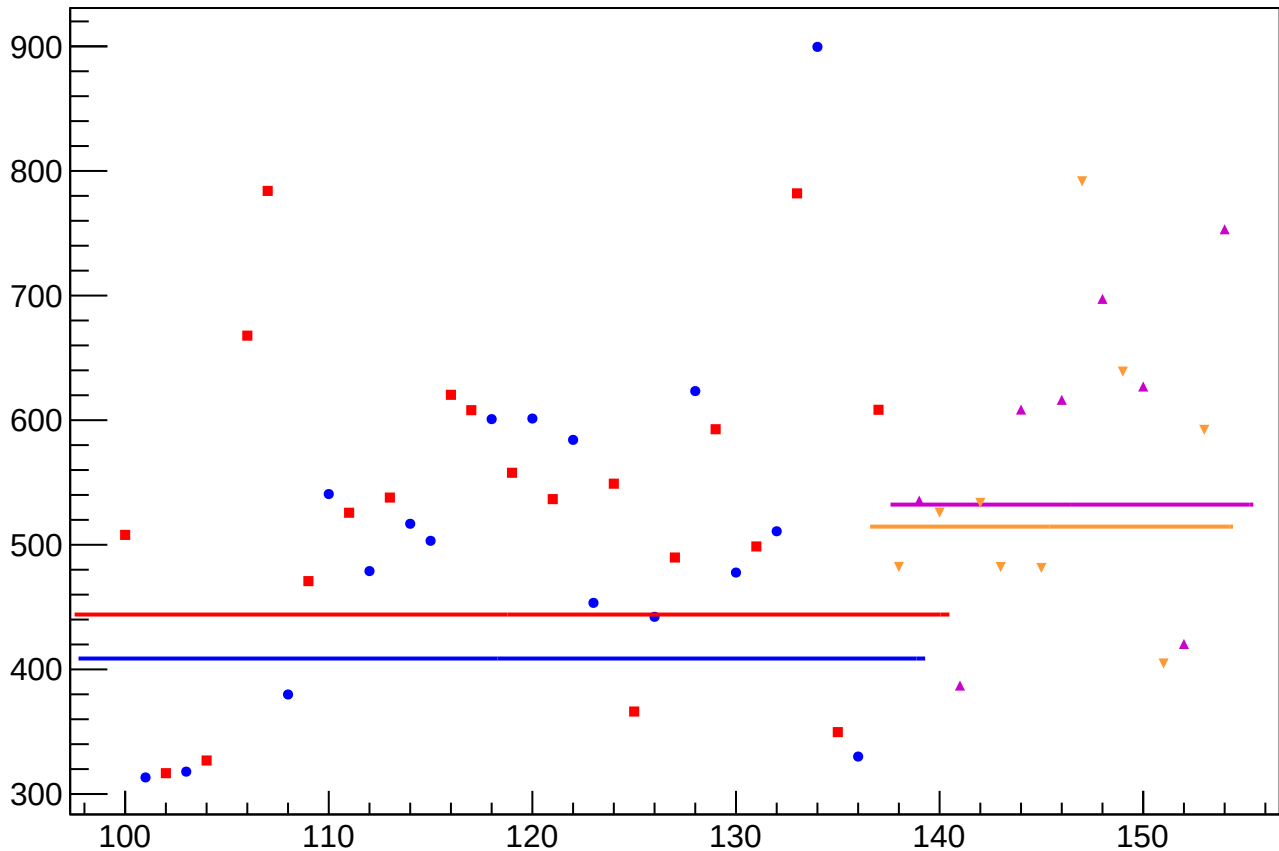
Left In: 133954.270 $\pm$ 0.231 χ^2/NDF : 8644033.7/7

135677.222 $\pm$ 0.134 χ^2/NDF : 1579100914.2/25

135460.801 $\pm$ 0.098 χ^2/NDF : 272661309

135212.394 $\pm$ 0.143 χ^2/NDF : 1141872000.3/27

yield_bpm0l03WS_rms vs Slug, Sign Corrected



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

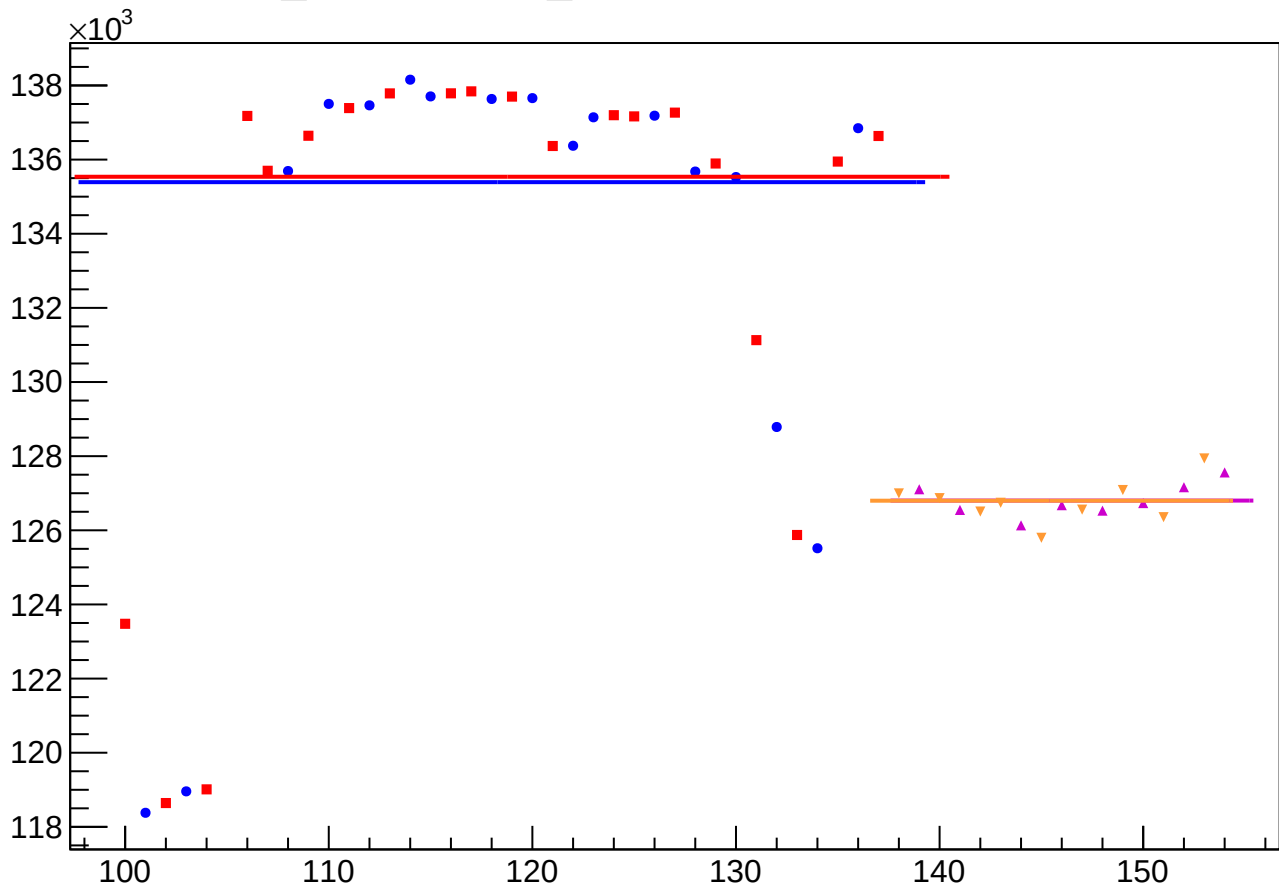
Left In: 532.248+/-0.163 χ^2/NDF : 566474.9/7

450.344+/-0.094 χ^2/NDF : 1498281.8/25

463.205+/-0.069 χ^2/NDF : 3207077.9/53

477.966+/-0.101 χ^2/NDF : 1668963.4/27

yield_bpm0l04WS_mean vs Slug, Sign Corrected



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

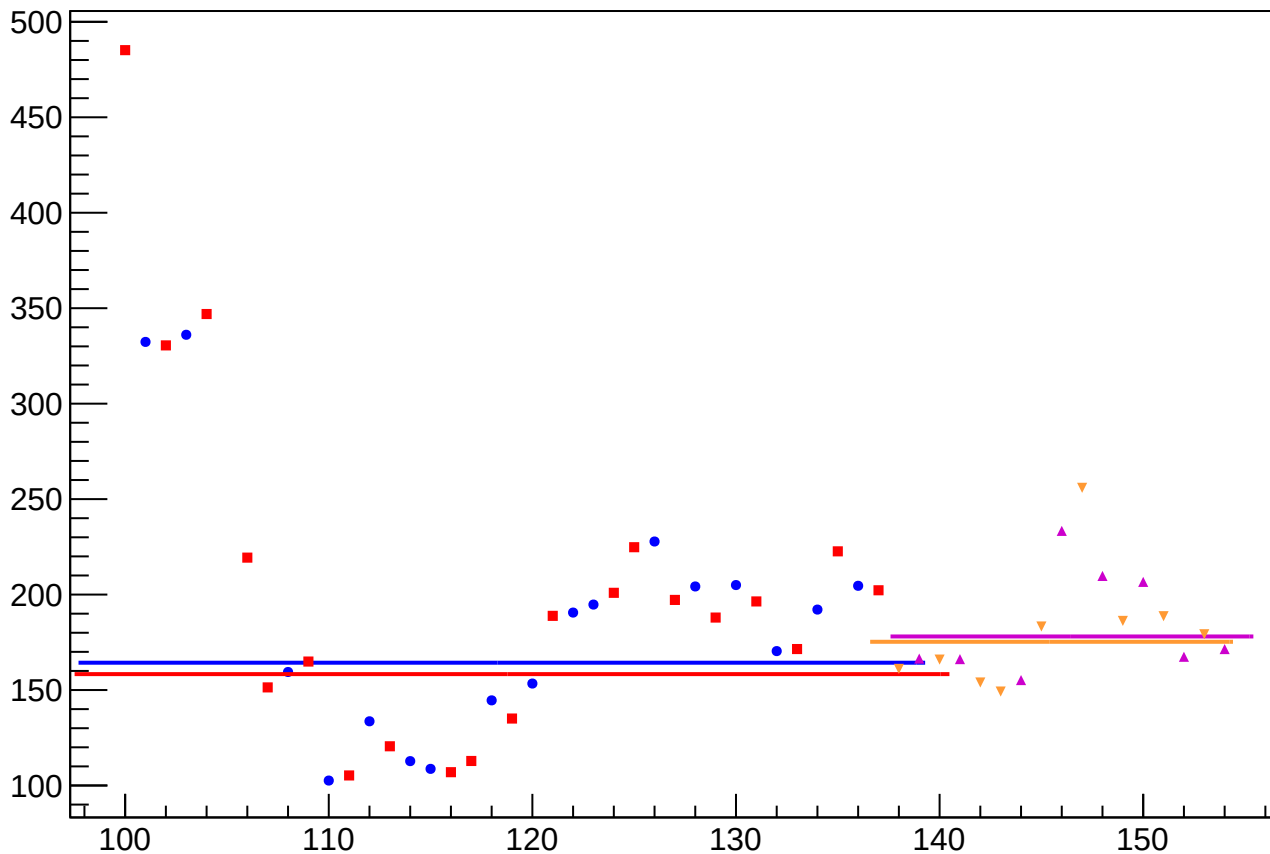
Left In: 126801.787 $\pm$ 0.071 χ^2 /NDF: 41322301.2/7

131183.672 $\pm$ 0.049 χ^2 /NDF: 12403402789.2/2

131409.128 $\pm$ 0.034 χ^2 /NDF: 255982528

131623.068 $\pm$ 0.048 χ^2 /NDF: 13153192139.8/2

yield_bpm0l04WS_rms vs Slug, Sign Corrected



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

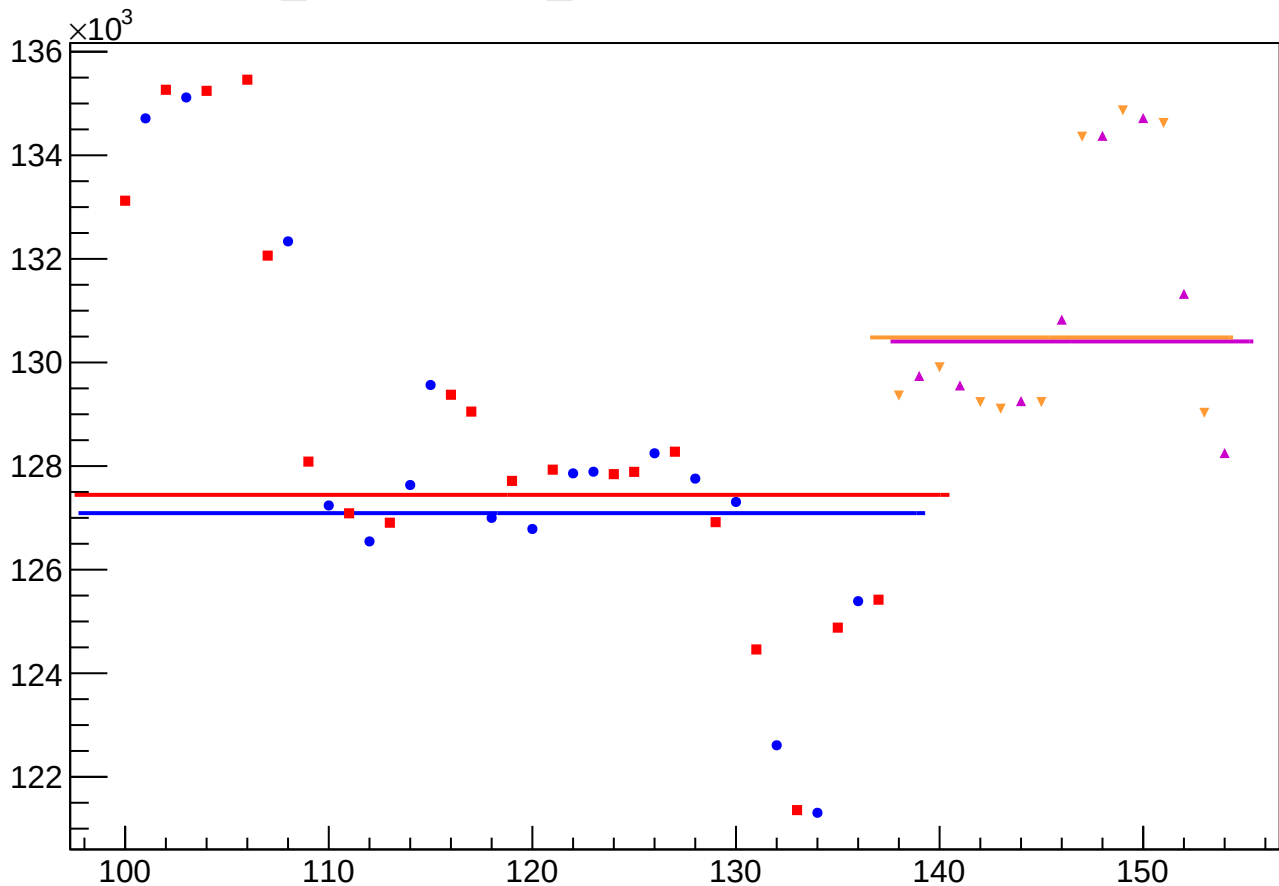
Left In: 178.058+/-0.050 χ^2/NDF : 217147.8/7

169.679+/-0.034 χ^2/NDF : 1498565.1/25

168.393+/-0.024 χ^2/NDF : 3201995.1/53

167.173+/-0.034 χ^2/NDF : 1700720.5/27

yield_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 127091.500 $\pm$ 0.066 χ^2 /NDF: 1717208780.6/16

Left Out: 130483.617 $\pm$ 0.071 χ^2 /NDF: 969486059.9/8

Right Out: 127444.472 $\pm$ 0.061 χ^2 /NDF: 2082646787.7/19

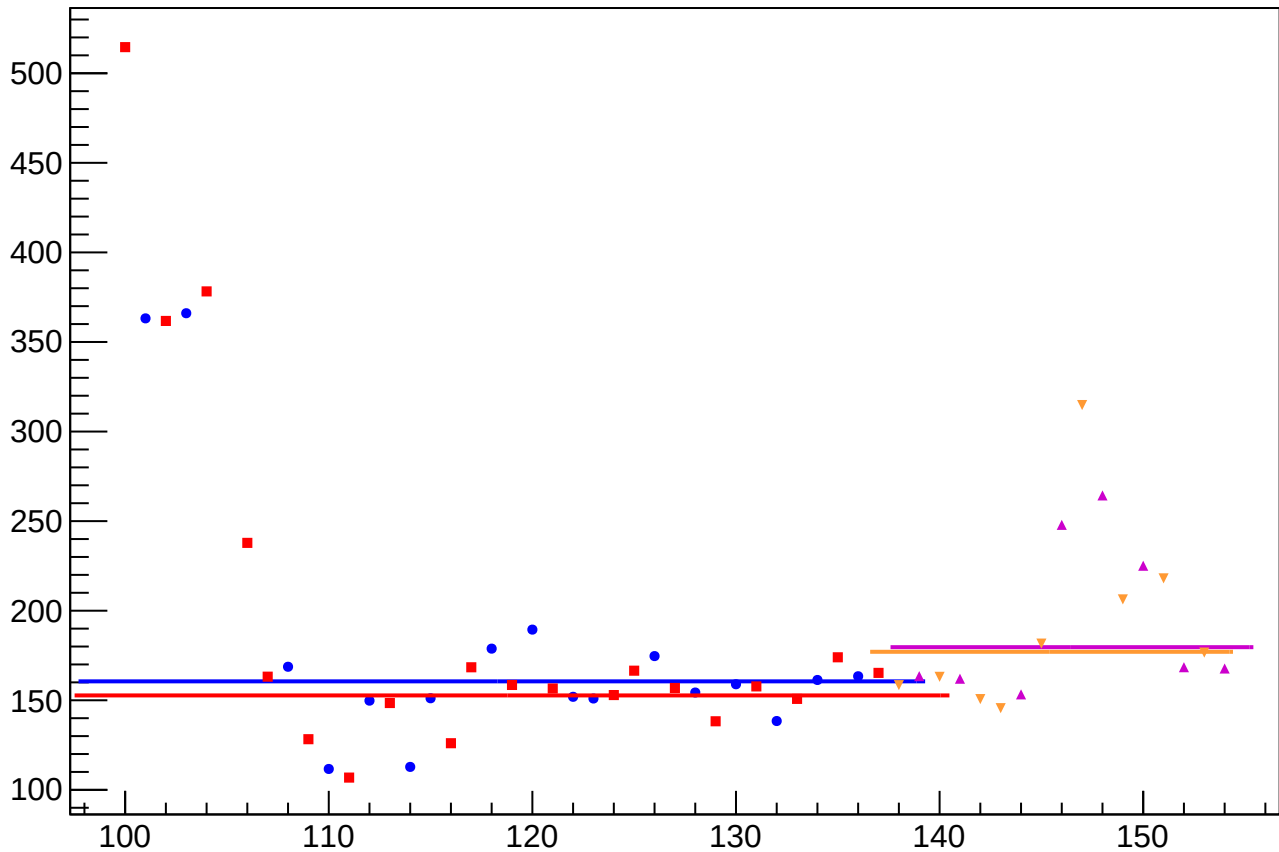
Left In: 130406.524 $\pm$ 0.072 χ^2 /NDF: 731165459.4/7

128661.277 $\pm$ 0.049 χ^2 /NDF: 3897950168.3/25

128673.344 $\pm$ 0.034 χ^2 /NDF: 768666924

128684.537 $\pm$ 0.047 χ^2 /NDF: 3788600232.5/27

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 160.564 +/- 0.047 χ^2/NDF : 942747.0/16

Left Out: 177.066 +/- 0.051 χ^2/NDF : 499044.3/8

Right Out: 152.711 +/- 0.043 χ^2/NDF : 1087186.3/19

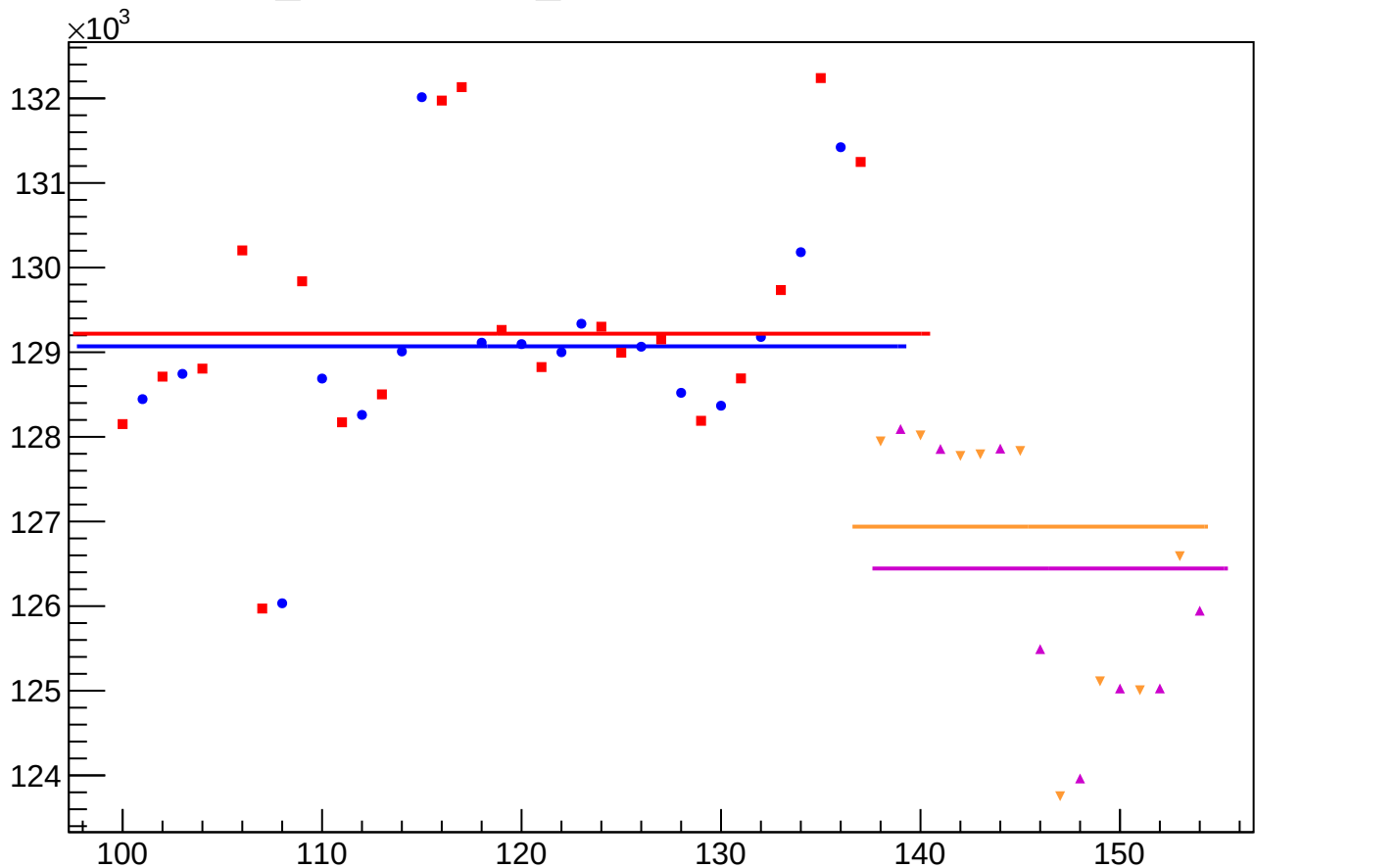
Left In: 179.643 +/- 0.051 χ^2/NDF : 446160.0/7

168.201 +/- 0.034 χ^2/NDF : 1499126.2/25

166.014 +/- 0.024 χ^2/NDF : 3201454.6/53

163.986 +/- 0.033 χ^2/NDF : 1694522.3/27

yield_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: 129069.668 $\pm$ 0.060 χ^2 /NDF: 476692316.5/16

Left Out: 126939.217 $\pm$ 0.067 χ^2 /NDF: 400238370.2/8

Right Out: 129219.072 $\pm$ 0.056 χ^2 /NDF: 660468184.1/19

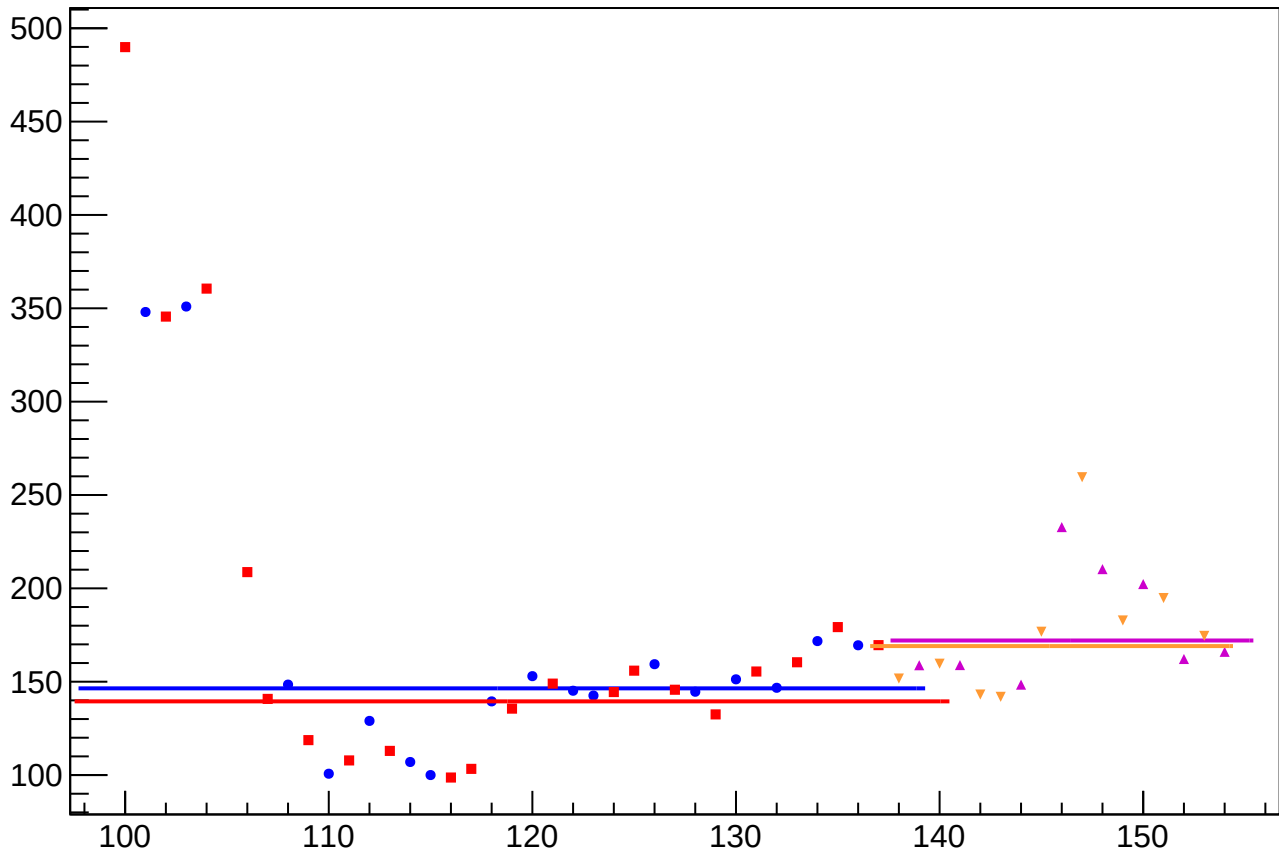
Left In: 126444.595 $\pm$ 0.069 χ^2 /NDF: 448137994.6/7

128126.113 $\pm$ 0.045 χ^2 /NDF: 1432167003.4/25

128121.937 $\pm$ 0.031 χ^2 /NDF: 352409781

128118.057 $\pm$ 0.043 χ^2 /NDF: 2091914125.4/27

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 146.437 +/- 0.043 χ^2/NDF : 1064791.0/16

Left Out: 169.078 +/- 0.048 χ^2/NDF : 328402.5/8

Right Out: 139.468 +/- 0.039 χ^2/NDF : 1214310.8/19

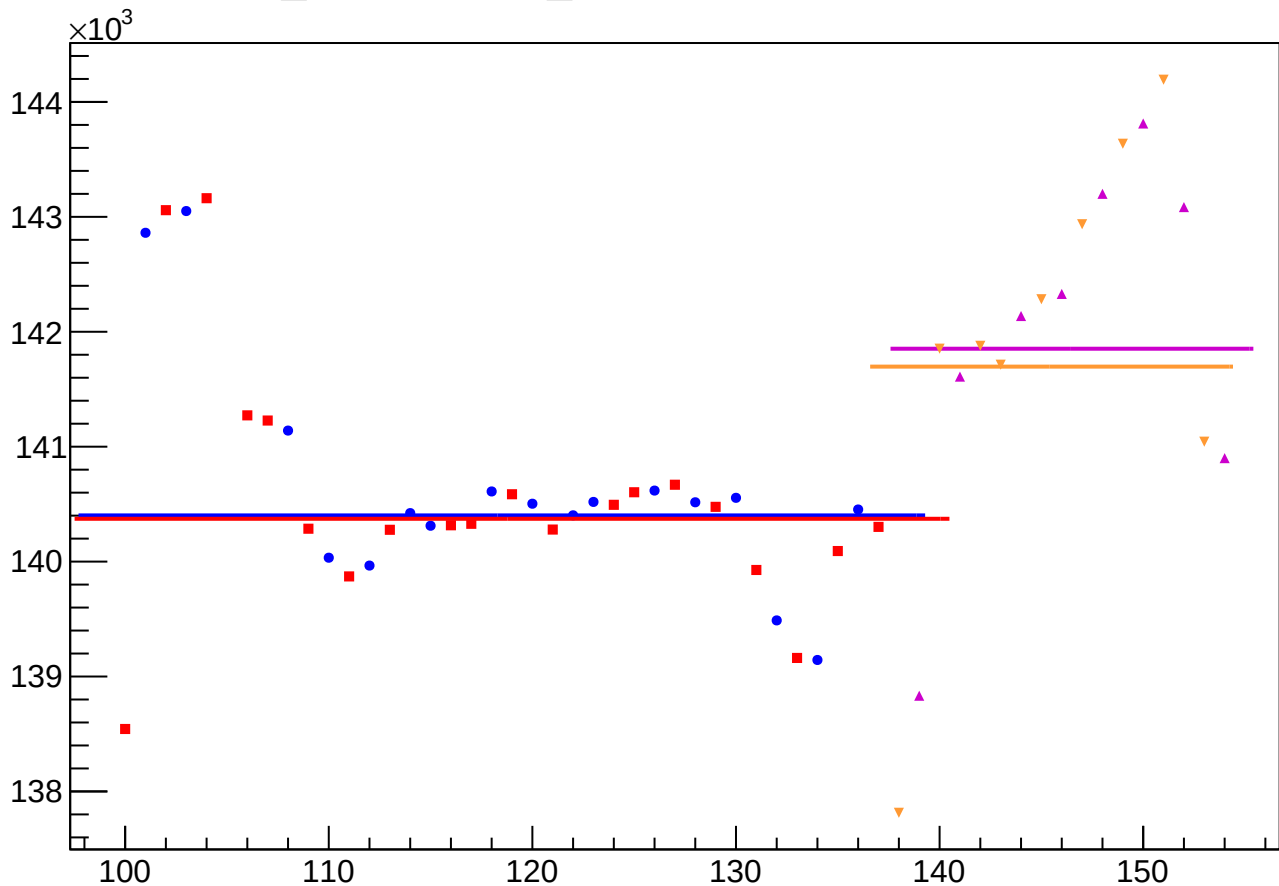
Left In: 172.074 +/- 0.049 χ^2/NDF : 268506.8/7

156.465 +/- 0.032 χ^2/NDF : 1518608.7/25

154.361 +/- 0.022 χ^2/NDF : 3281517.2/53

152.407 +/- 0.031 χ^2/NDF : 1754445.4/27

yield_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 140402.010 ± 0.064 $\chi^2/\text{NDF}: 88071774.7/16$

Left Out: 141696.770 ± 0.079 $\chi^2/\text{NDF}: 538041088.9/8$

Right Out: 140372.636 ± 0.059 $\chi^2/\text{NDF}: 99861038.9/19$

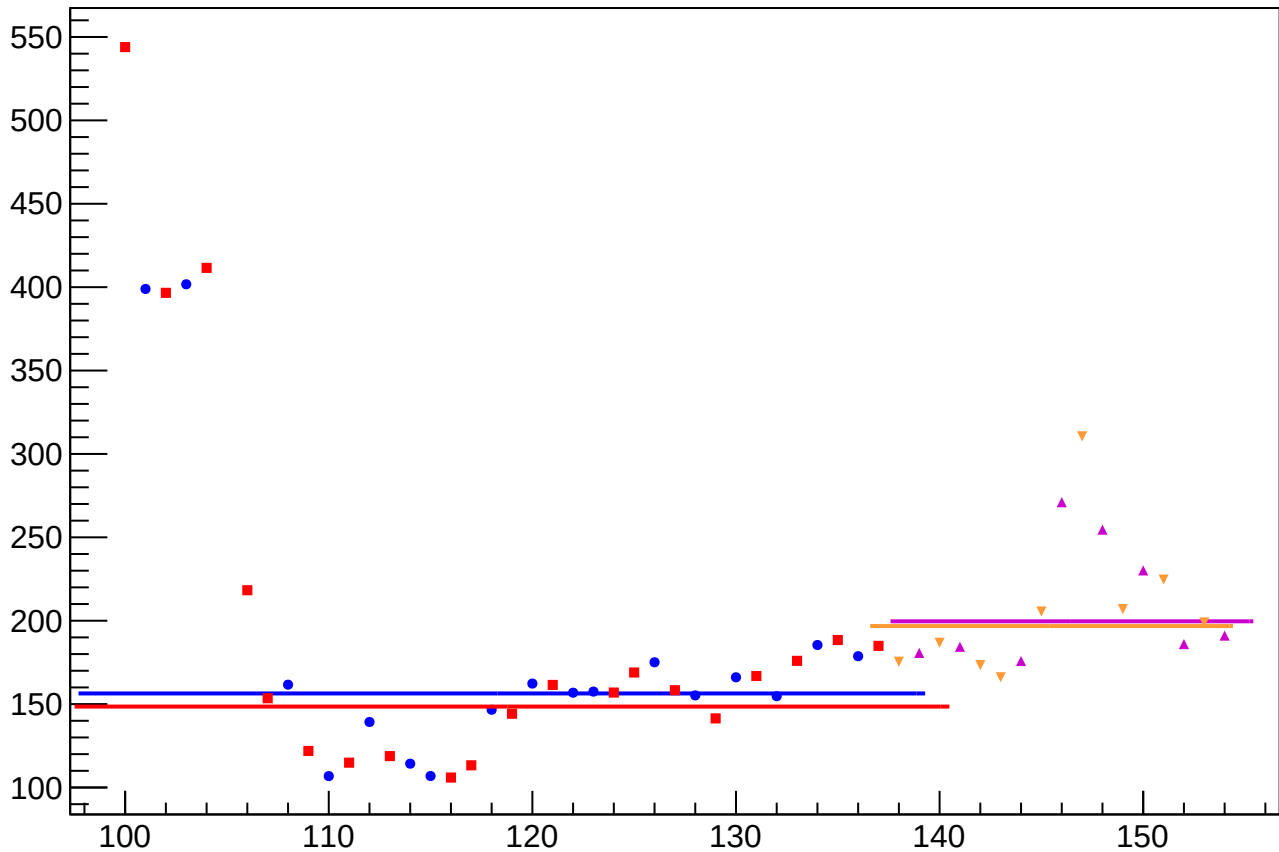
Left In: 141852.453 ± 0.080 $\chi^2/\text{NDF}: 333663505.2/7$

140919.710 ± 0.050 $\chi^2/\text{NDF}: 787995546.2/25$

140909.704 ± 0.034 $\chi^2/\text{NDF}: 144231263$

140900.537 ± 0.048 $\chi^2/\text{NDF}: 654239884.9/27$

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 156.394+/-0.046 χ^2/NDF : 1154804.2/16

Left Out: 196.809+/-0.056 χ^2/NDF : 323572.5/8

Right Out: 148.524+/-0.042 χ^2/NDF : 1316113.9/19

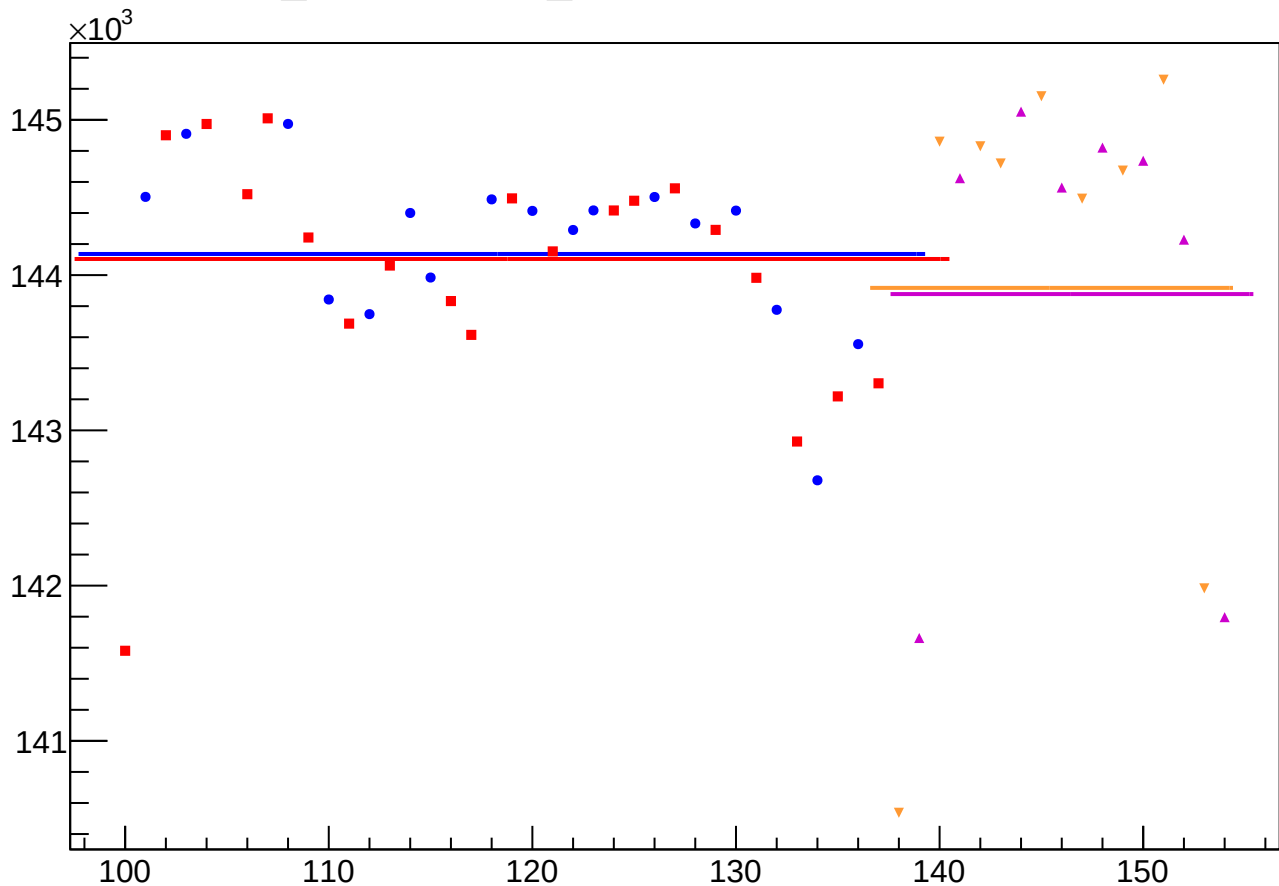
Left In: 199.644+/-0.056 χ^2/NDF : 280527.3/7

172.553+/-0.035 χ^2/NDF : 1793833.5/25

169.530+/-0.024 χ^2/NDF : 3931344.8/53

166.760+/-0.034 χ^2/NDF : 2123415.7/27

yield_bpm0l08WS_mean vs Slug, Sign Corrected



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

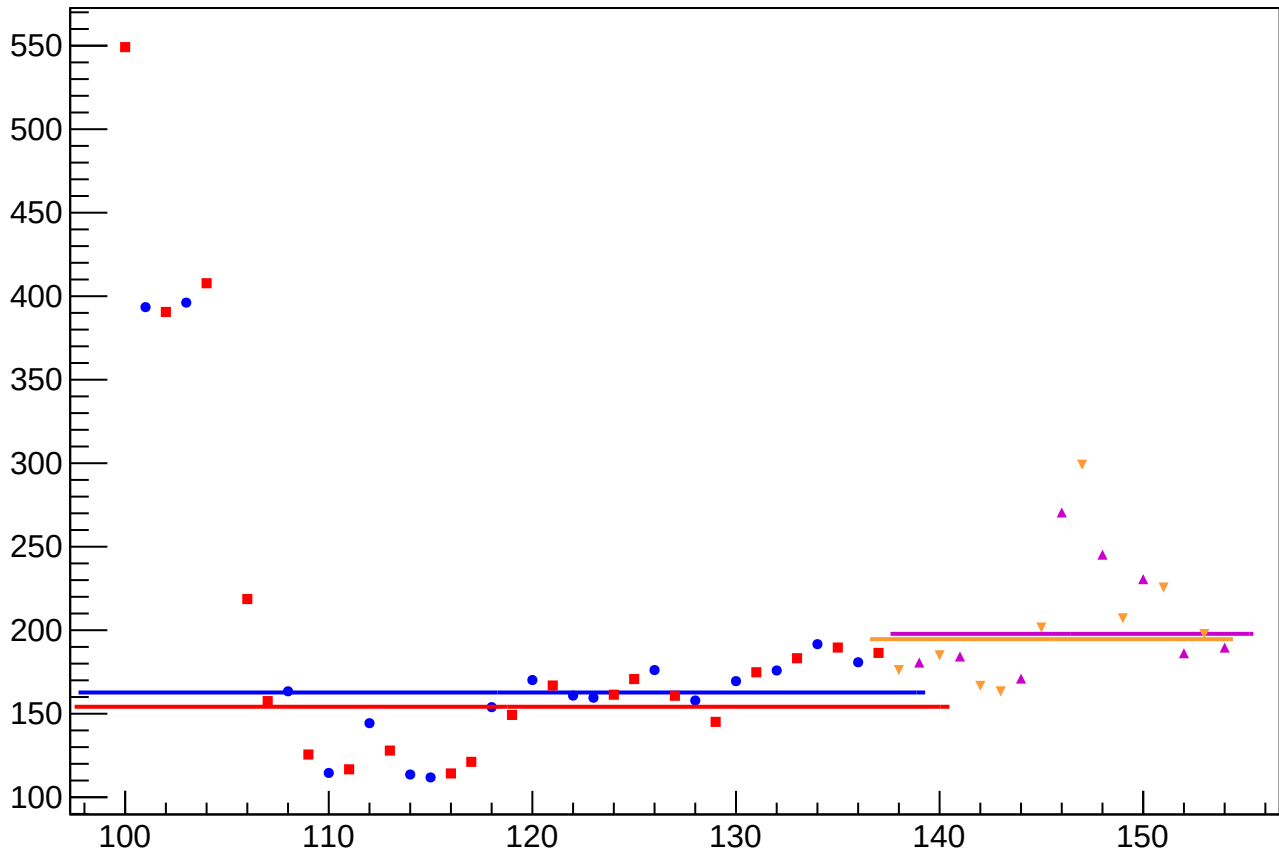
Left In: 143877.896 $\pm$ 0.079 χ^2 /NDF: 285094105.0/7

144043.609 $\pm$ 0.051 χ^2 /NDF: 502763691.5/25

144030.683 $\pm$ 0.035 χ^2 /NDF: 859035576

144018.810 $\pm$ 0.049 χ^2 /NDF: 356147119.5/27

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 162.714 +/- 0.047 χ^2/NDF : 1066482.0/16

Left Out: 194.646 +/- 0.055 χ^2/NDF : 317193.1/8

Right Out: 154.174 +/- 0.044 χ^2/NDF : 1224004.2/19

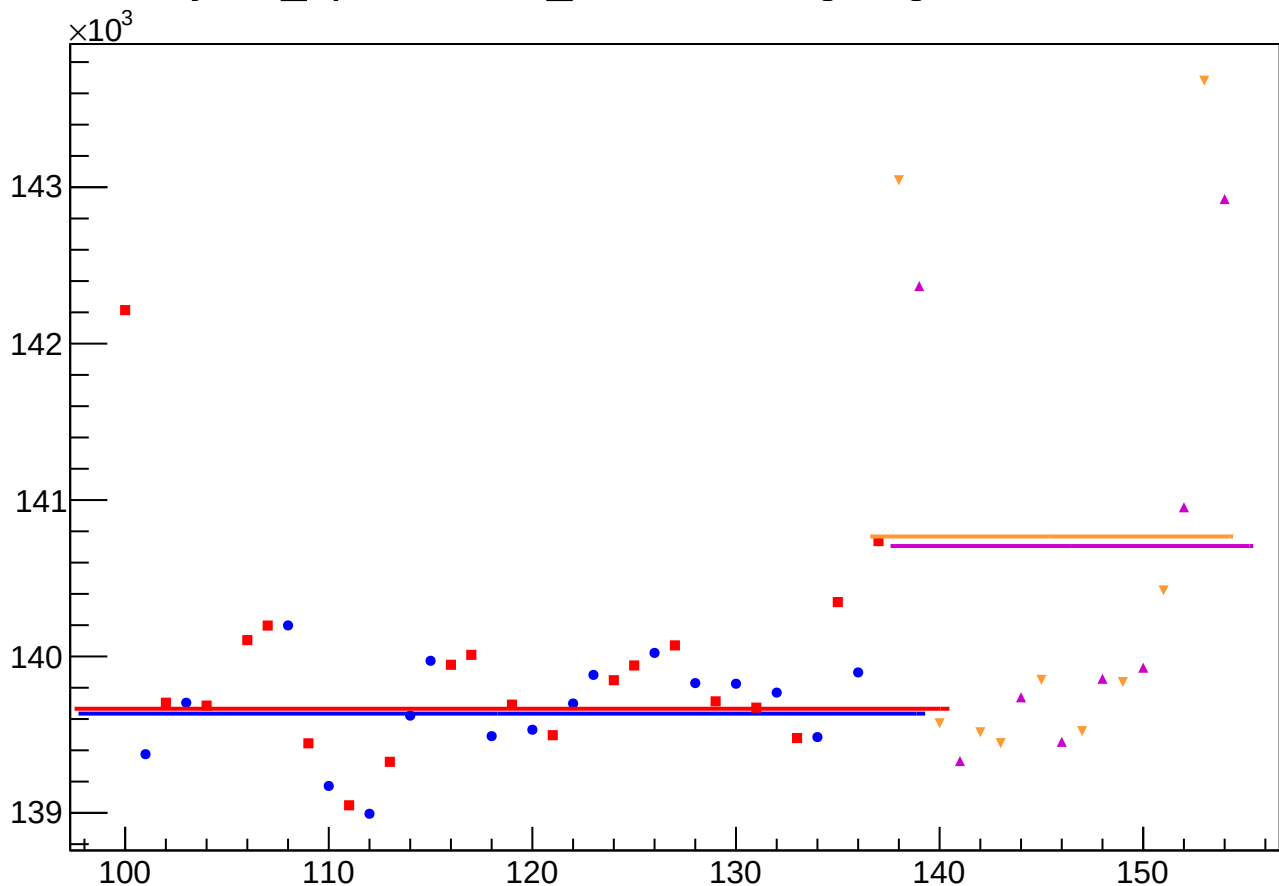
Left In: 197.841 +/- 0.056 χ^2/NDF : 277223.0/7

176.242 +/- 0.036 χ^2/NDF : 1577466.4/25

173.308 +/- 0.025 χ^2/NDF : 3470887.2/53

170.613 +/- 0.034 χ^2/NDF : 1880563.8/27

yield_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: 139634.700+/-0.068 χ^2/NDF : 24844912.0/16

Left Out: 140766.922+/-0.083 χ^2/NDF : 387484101.3/8

Right Out: 139665.743+/-0.063 χ^2/NDF : 38703726.2/19

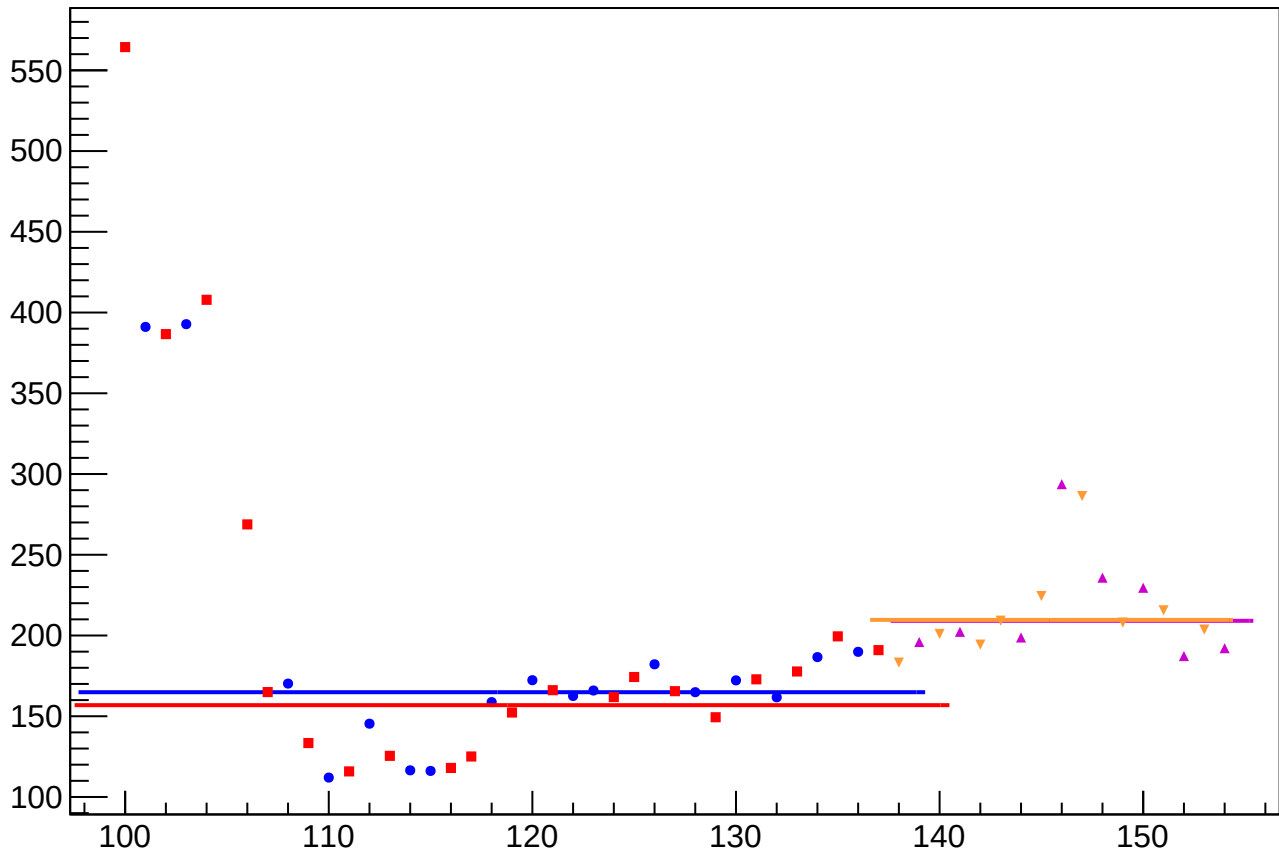
Left In: 140705.956+/-0.083 χ^2/NDF : 251443378.1/7

140086.857+/-0.053 χ^2/NDF : 523775315.9/25

140062.818+/-0.036 χ^2/NDF : 913613535

140040.924+/-0.050 χ^2/NDF : 389438019.3/27

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 164.884 +/- 0.048 χ^2/NDF : 1066270.8/16

Left Out: 209.675 +/- 0.059 χ^2/NDF : 158463.8/8

Right Out: 156.859 +/- 0.044 χ^2/NDF : 1250656.2/19

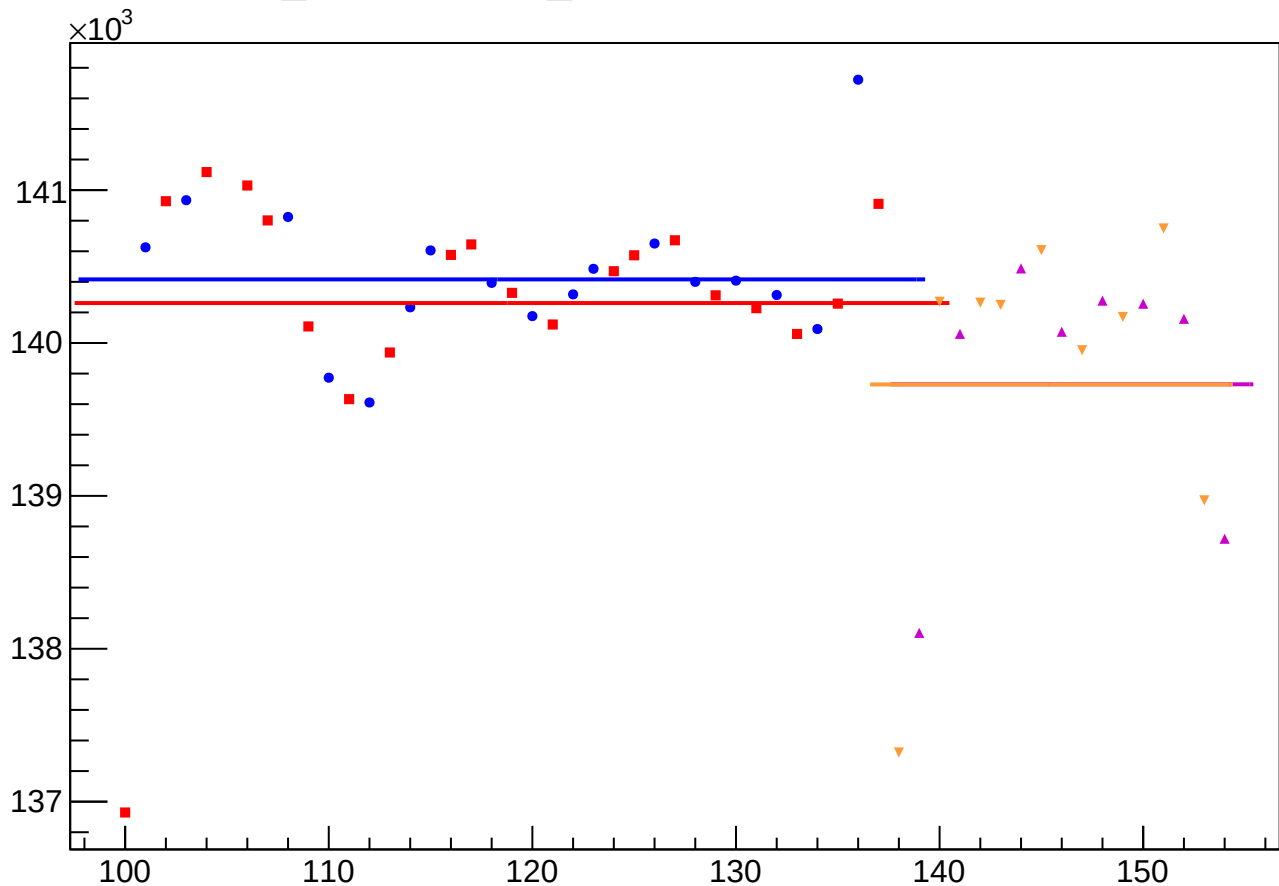
Left In: 209.098 +/- 0.059 χ^2/NDF : 209829.2/7

182.772 +/- 0.037 χ^2/NDF : 1573559.7/25

179.071 +/- 0.026 χ^2/NDF : 3553822.0/53

175.701 +/- 0.035 χ^2/NDF : 1961293.9/27

yield_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 140416.064 $\pm$ 0.068 χ^2 /NDF: 69975821.3/16

Left Out: 139728.829 $\pm$ 0.077 χ^2 /NDF: 208851645.9/8

Right Out: 140261.267 $\pm$ 0.063 χ^2 /NDF: 38479140.4/19

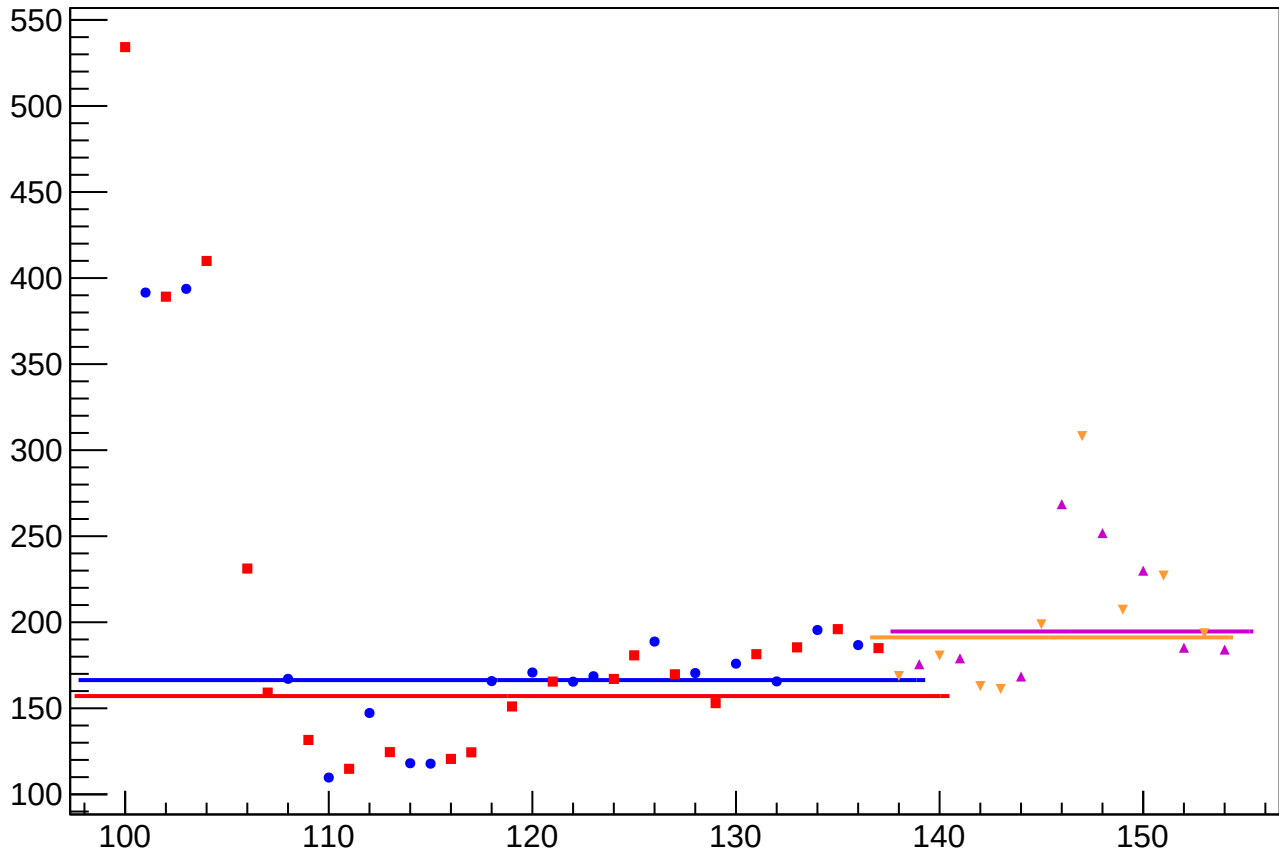
Left In: 139729.797 $\pm$ 0.078 χ^2 /NDF: 116273051.5/7

140111.085 $\pm$ 0.051 χ^2 /NDF: 323633753.5/25

140080.346 $\pm$ 0.035 χ^2 /NDF: 507275923

140052.094 $\pm$ 0.049 χ^2 /NDF: 182945223.0/27

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 166.388 $\pm$ 0.048 χ^2/NDF : 1080964.8/16

Left Out: 191.198 $\pm$ 0.054 χ^2/NDF : 375043.1/8

Right Out: 157.110 $\pm$ 0.044 χ^2/NDF : 1235934.7/19

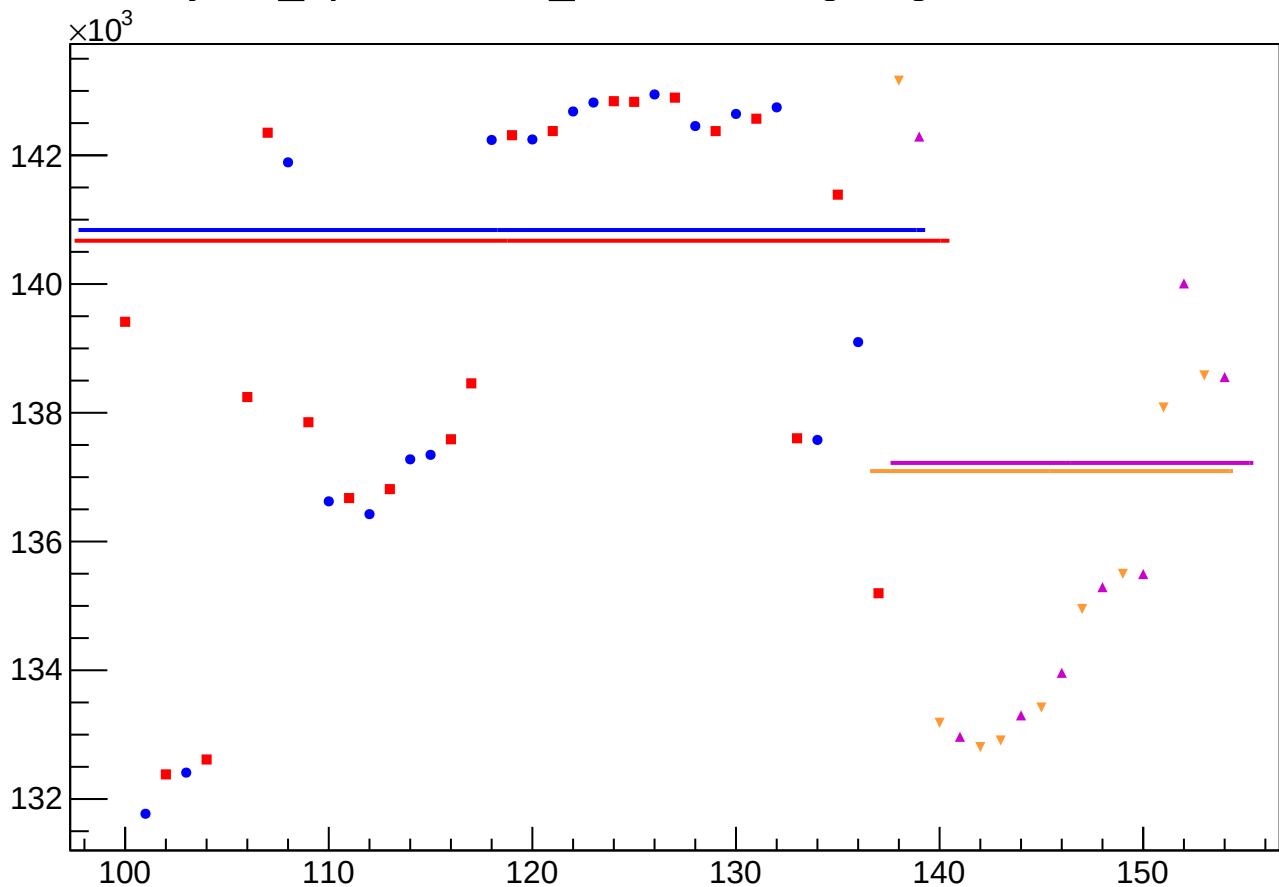
Left In: 194.644 $\pm$ 0.055 χ^2/NDF : 318084.4/7

177.398 $\pm$ 0.036 χ^2/NDF : 1572799.8/25

174.524 $\pm$ 0.025 χ^2/NDF : 3420227.8/53

171.883 $\pm$ 0.035 χ^2/NDF : 1835244.8/27

yield_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 140839.133 ± 0.100 $\chi^2/\text{NDF}: 822682996.3/16$

Left Out: 137094.826 ± 0.122 $\chi^2/\text{NDF}: 1087550601.5/8$

Right Out: 140672.898 ± 0.099 $\chi^2/\text{NDF}: 841965357.5/19$

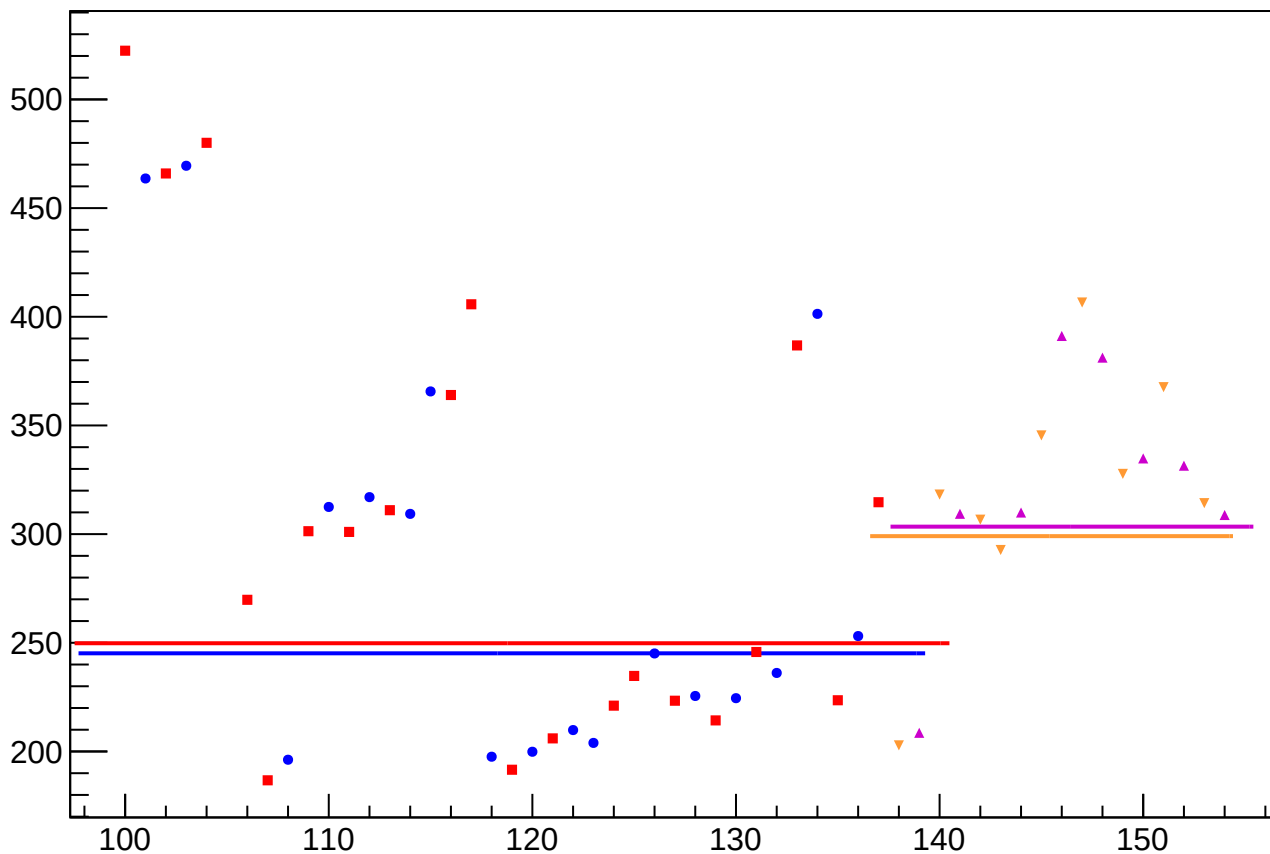
Left In: 137221.171 ± 0.123 $\chi^2/\text{NDF}: 837874901.4/7$

139327.263 ± 0.077 $\chi^2/\text{NDF}: 2476191335.8/25$

139323.550 ± 0.055 $\chi^2/\text{NDF}: 463279642$

139319.841 ± 0.077 $\chi^2/\text{NDF}: 2156600469.3/27$

yield_bpm0r03WS_rms vs Slug, Sign Corrected



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

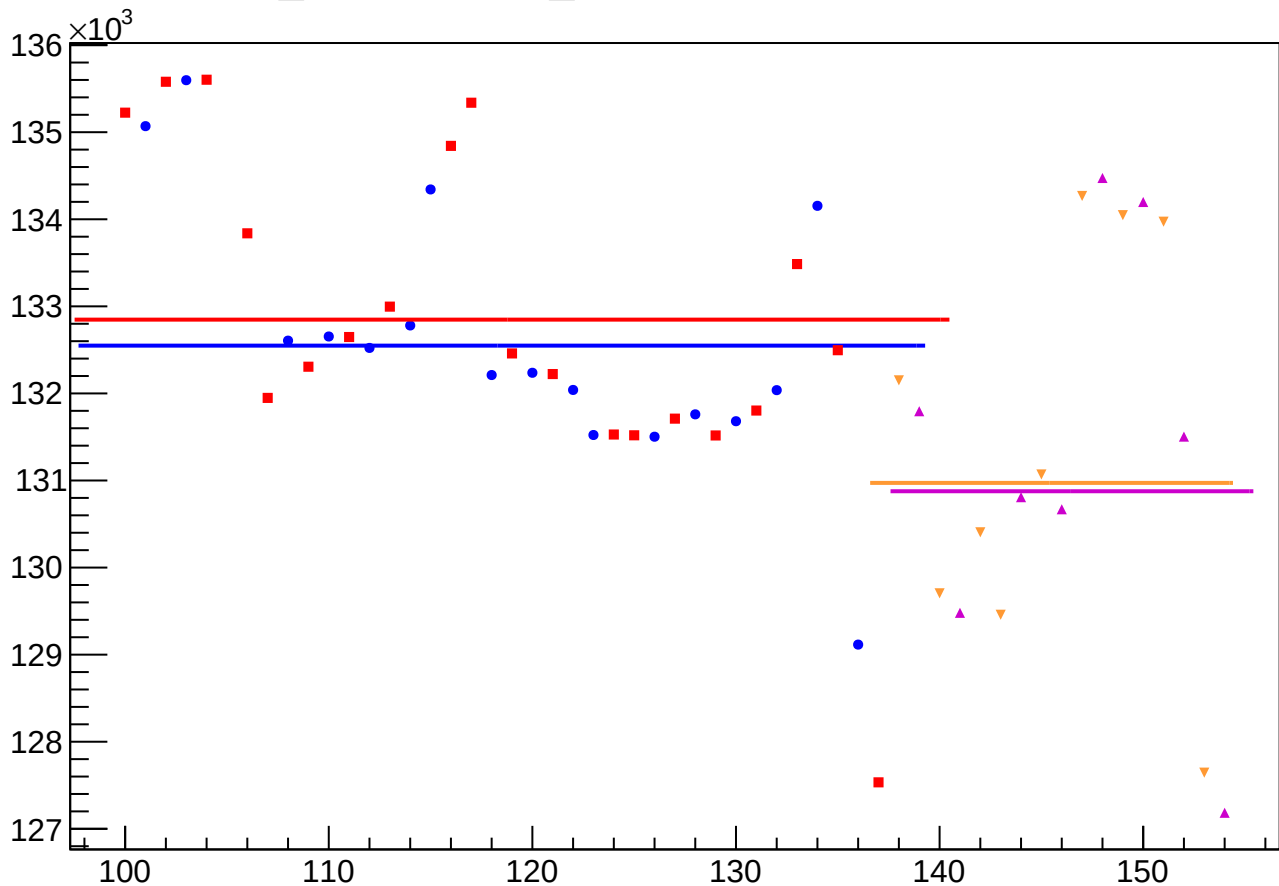
Left In: 303.440+/-0.087 χ^2/NDF : 438707.4/7

266.926+/-0.055 χ^2/NDF : 1630639.6/25

268.875+/-0.039 χ^2/NDF : 3324542.9/53

270.822+/-0.055 χ^2/NDF : 1691357.0/27

yield_bpm0r05WS_mean vs Slug, Sign Corrected



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

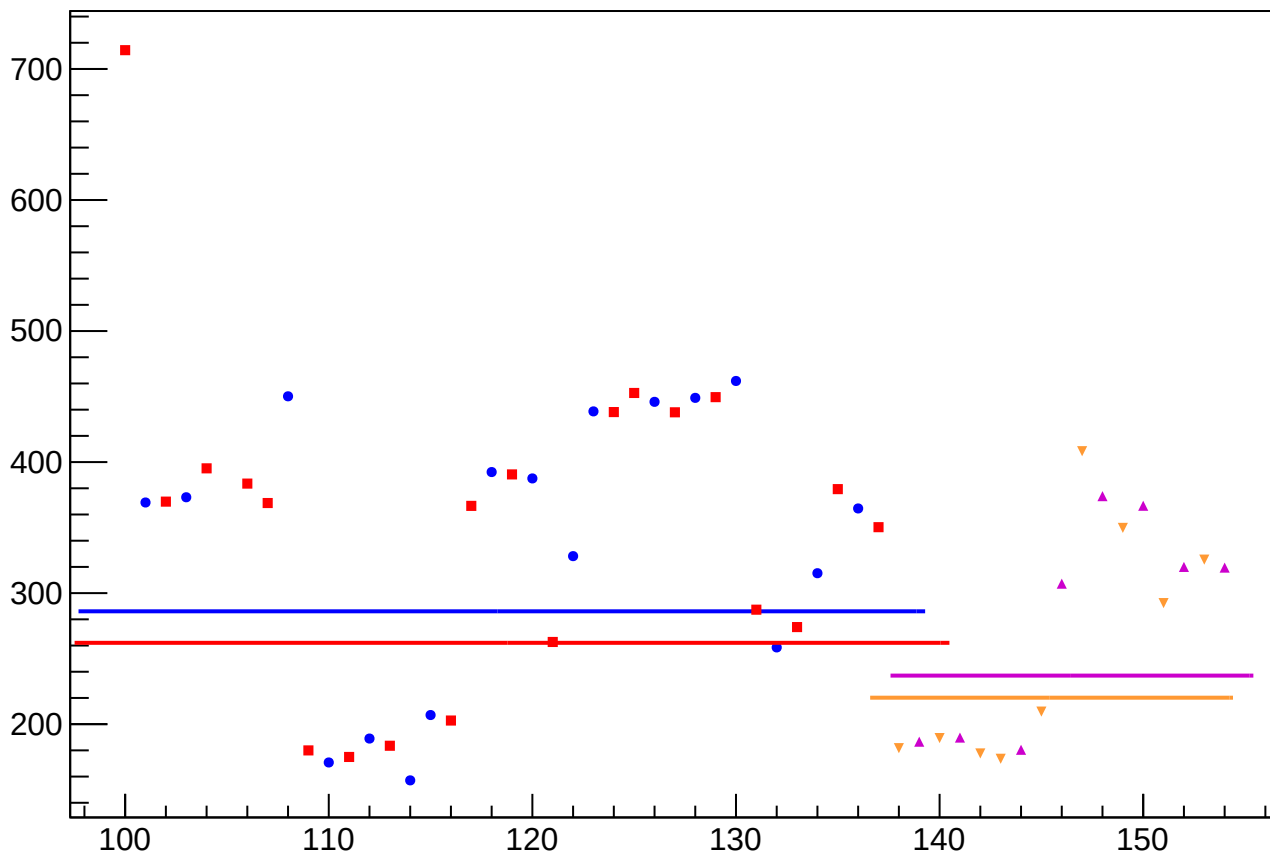
Left In: 130876.553 $\pm$ 0.098 χ^2/NDF : 319317372.2/7

131555.662 $\pm$ 0.073 χ^2/NDF : 658510346.4/25

131668.594 $\pm$ 0.051 χ^2/NDF : 131821580

131780.937 $\pm$ 0.072 χ^2/NDF : 654879277.2/27

yield_bpm0r05WS_rms vs Slug, Sign Corrected



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

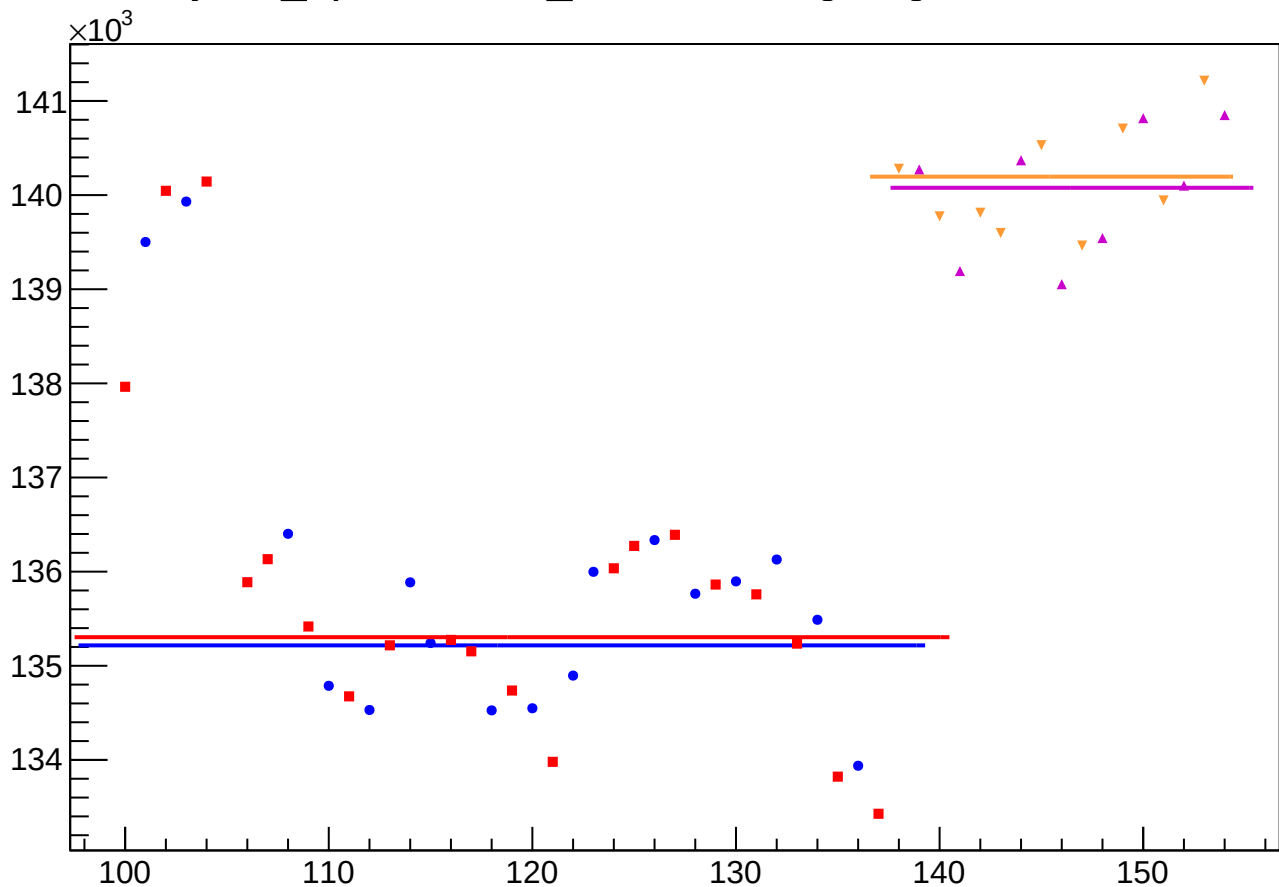
Left In: 237.056+/-0.070 χ^2/NDF : 1087425.6/7

244.588+/-0.051 χ^2/NDF : 2960031.8/25

246.567+/-0.036 χ^2/NDF : 5739927.1/53

248.535+/-0.051 χ^2/NDF : 2776931.2/27

yield_bpm0i02WS_mean vs Slug, Sign Corrected



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

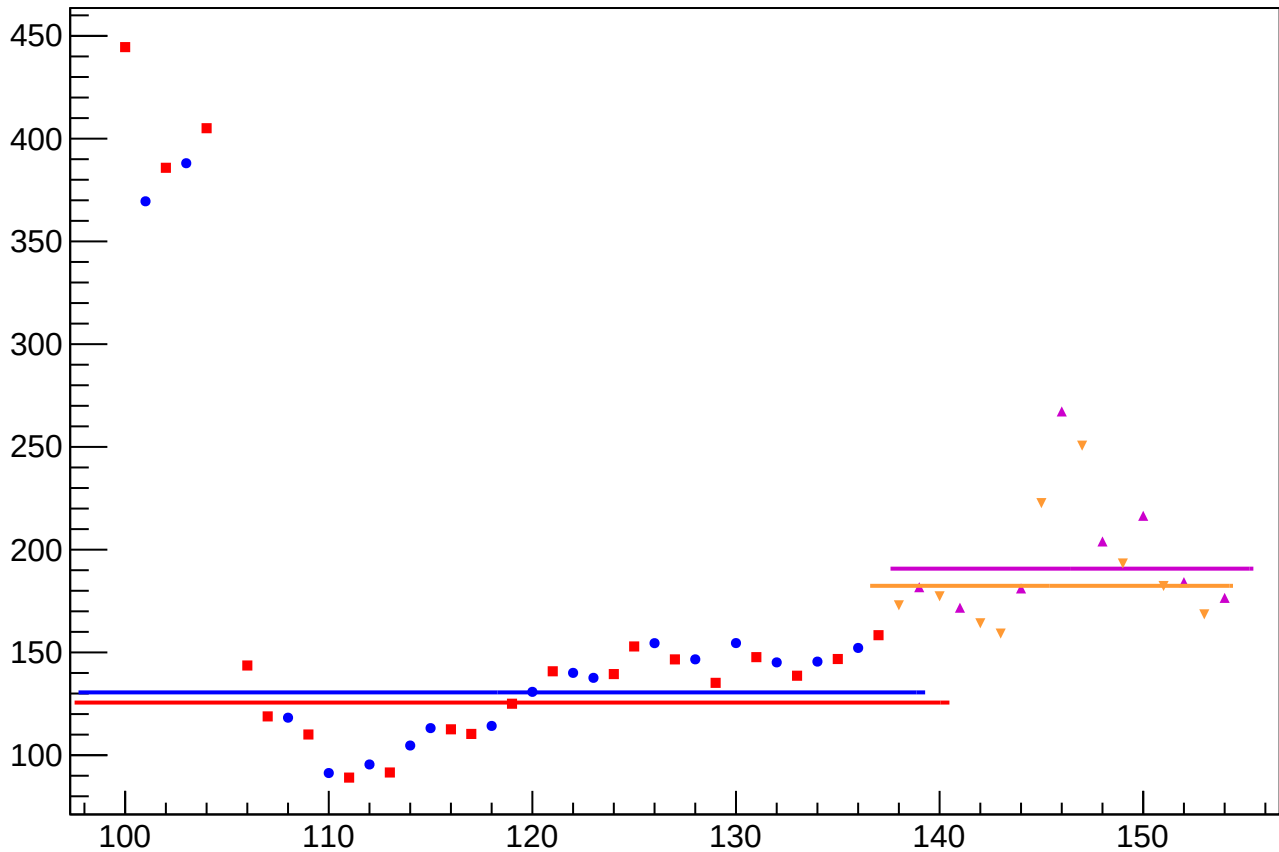
Left In: 140077.763 $\pm$ 0.076 χ^2 /NDF: 66978011.0/7

136995.640 $\pm$ 0.044 χ^2 /NDF: 3429497335.6/25

136880.935 $\pm$ 0.030 χ^2 /NDF: 657372195

136772.565 $\pm$ 0.042 χ^2 /NDF: 3130749703.6/27

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 130.552 +/- 0.038 χ^2/NDF : 1373104.9/16

Left Out: 182.409 +/- 0.052 χ^2/NDF : 216774.0/8

Right Out: 125.603 +/- 0.036 χ^2/NDF : 1441677.4/19

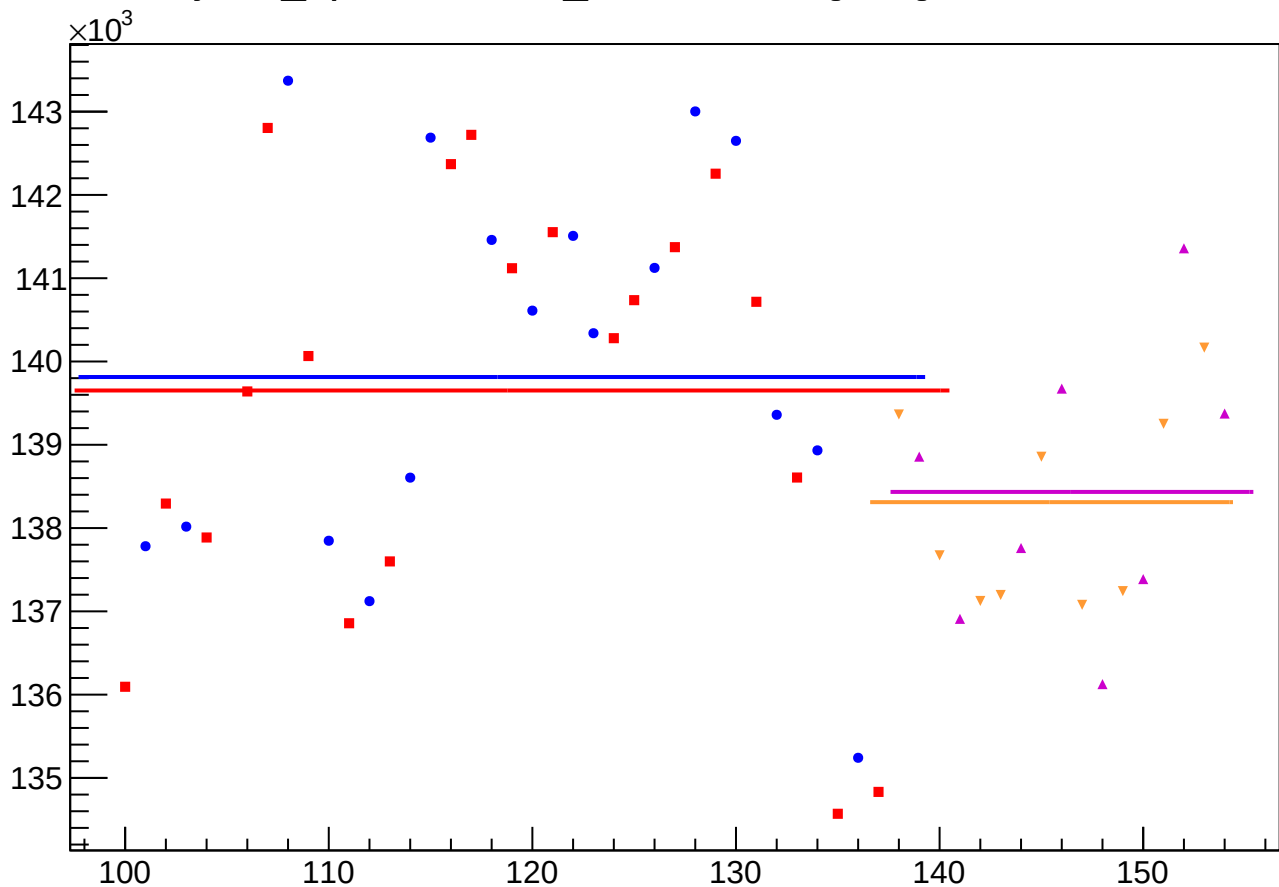
Left In: 190.762 +/- 0.054 χ^2/NDF : 192831.5/7

149.080 +/- 0.031 χ^2/NDF : 2240275.6/25

147.317 +/- 0.021 χ^2/NDF : 4889325.9/53

145.651 +/- 0.030 χ^2/NDF : 2642682.0/27

yield_bpm0i02aWS_mean vs Slug, Sign Corrected



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

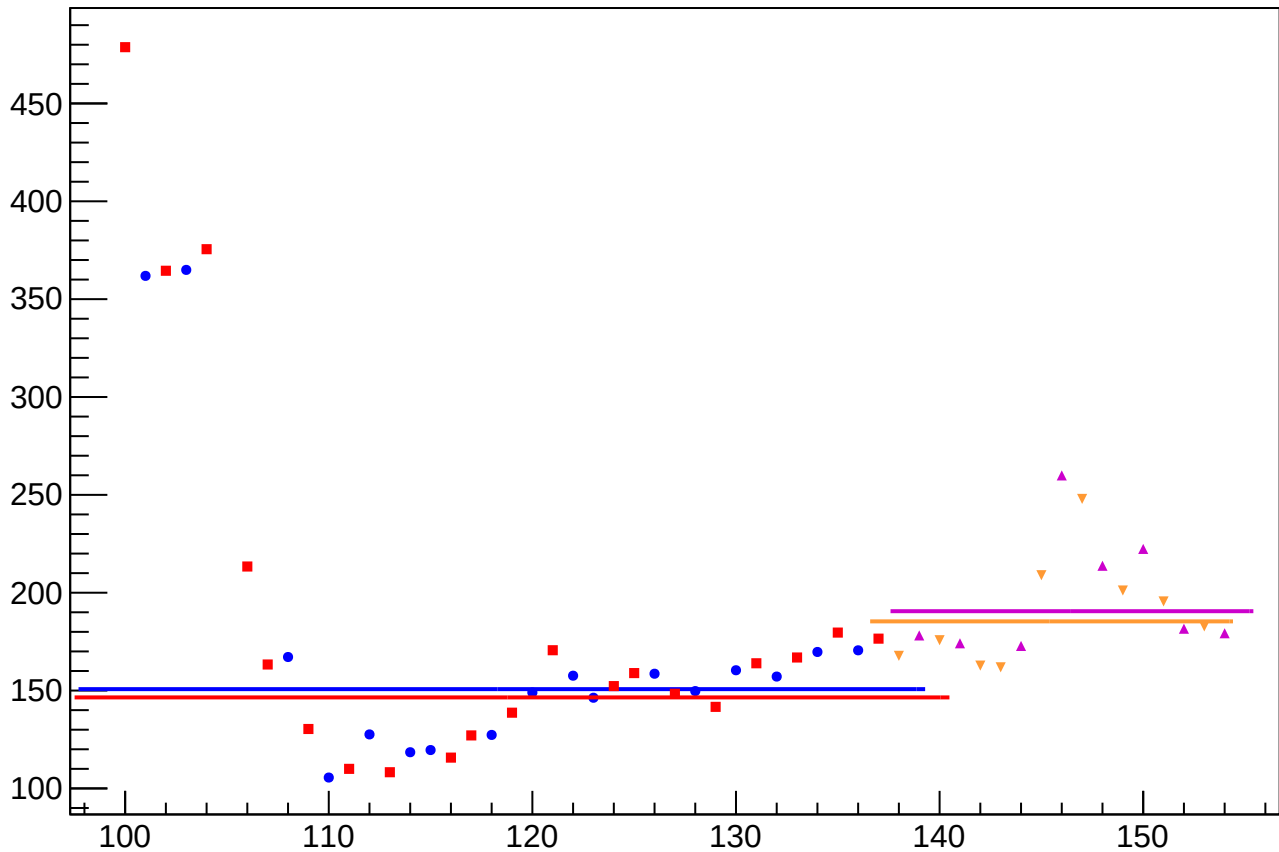
Left In: 138434.062 $\pm$ 0.076 χ^2 /NDF: 434715701.2/7

139196.545 $\pm$ 0.048 χ^2 /NDF: 2166910233.9/25

139197.706 $\pm$ 0.033 χ^2 /NDF: 429248278

139198.819 $\pm$ 0.047 χ^2 /NDF: 2125571386.6/27

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 150.733+/-0.044 χ^2/NDF : 1050071.6/16

Left Out: 185.355+/-0.052 χ^2/NDF : 193588.8/8

Right Out: 146.506+/-0.042 χ^2/NDF : 1205131.2/19

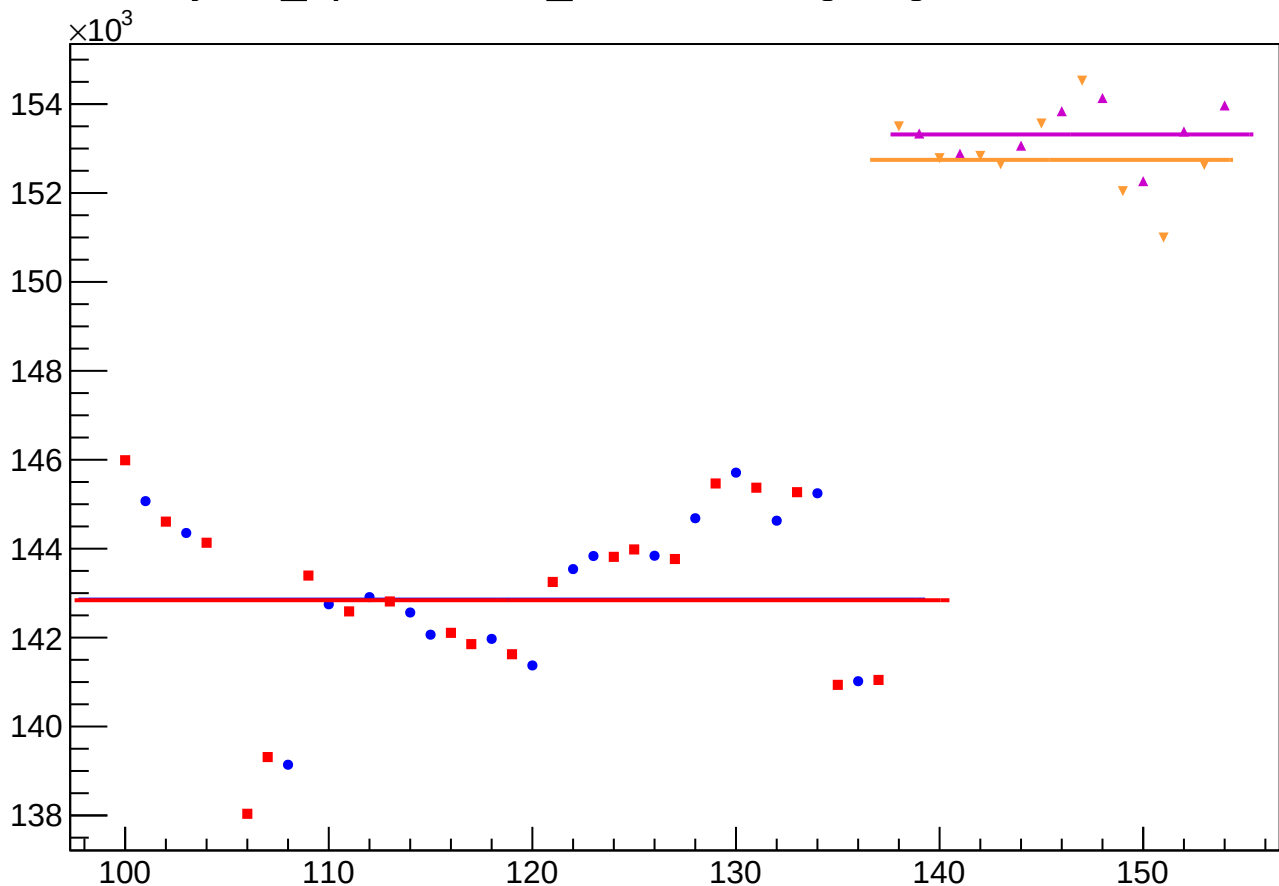
Left In: 190.558+/-0.054 χ^2/NDF : 210953.2/7

164.955+/-0.034 χ^2/NDF : 1500487.8/25

163.902+/-0.024 χ^2/NDF : 3336813.7/53

162.893+/-0.033 χ^2/NDF : 1834405.3/27

yield_bpm0i05WS_mean vs Slug, Sign Corrected



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

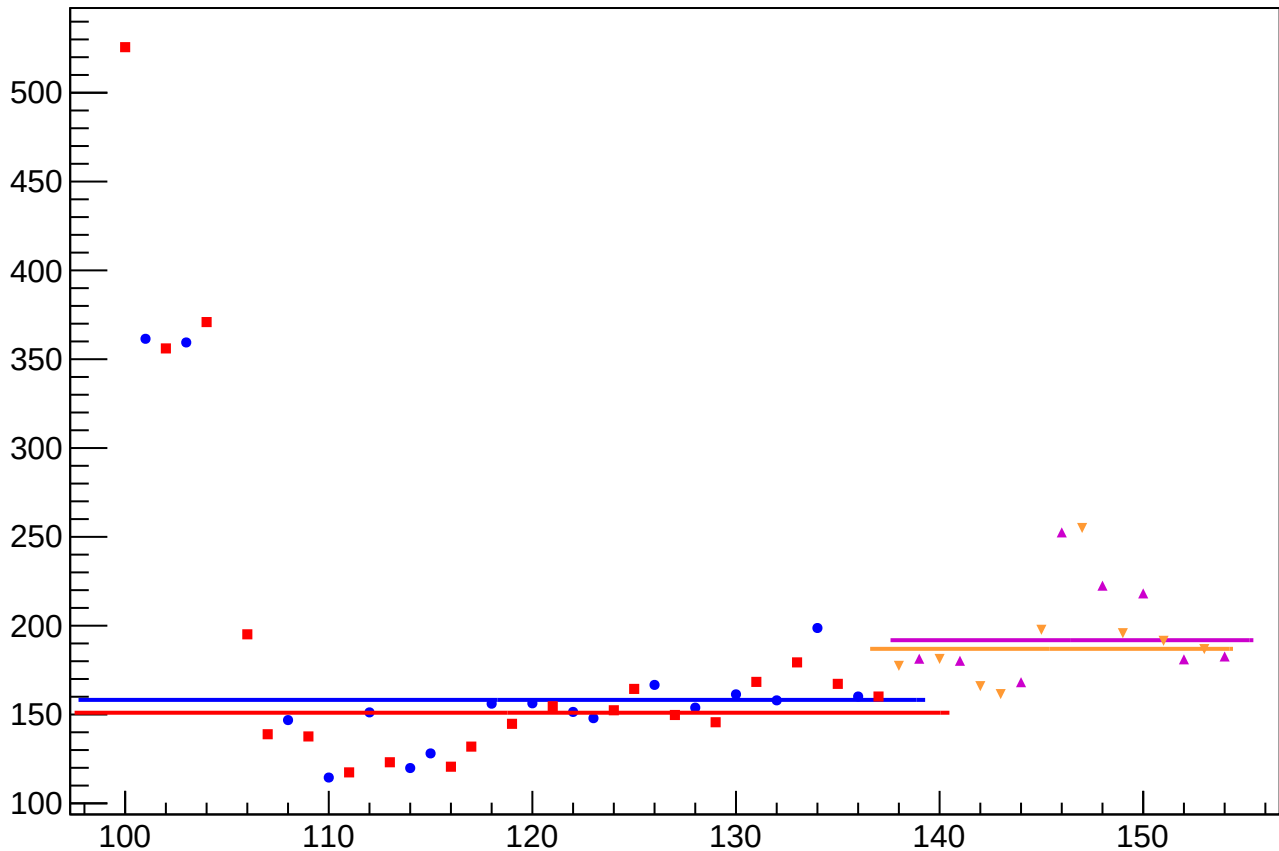
Left In: 153317.169 $\pm$ 0.077 χ^2 /NDF: 50956788.7/7

147107.943 $\pm$ 0.049 χ^2 /NDF: 10940734714.4/2

146969.228 $\pm$ 0.034 χ^2 /NDF: 234473654

146839.112 $\pm$ 0.047 χ^2 /NDF: 12490983034.6/2

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 158.233+/-0.046 χ^2/NDF : 883513.4/16

Left Out: 186.968+/-0.053 χ^2/NDF : 169795.9/8

Right Out: 151.003+/-0.043 χ^2/NDF : 1005104.9/19

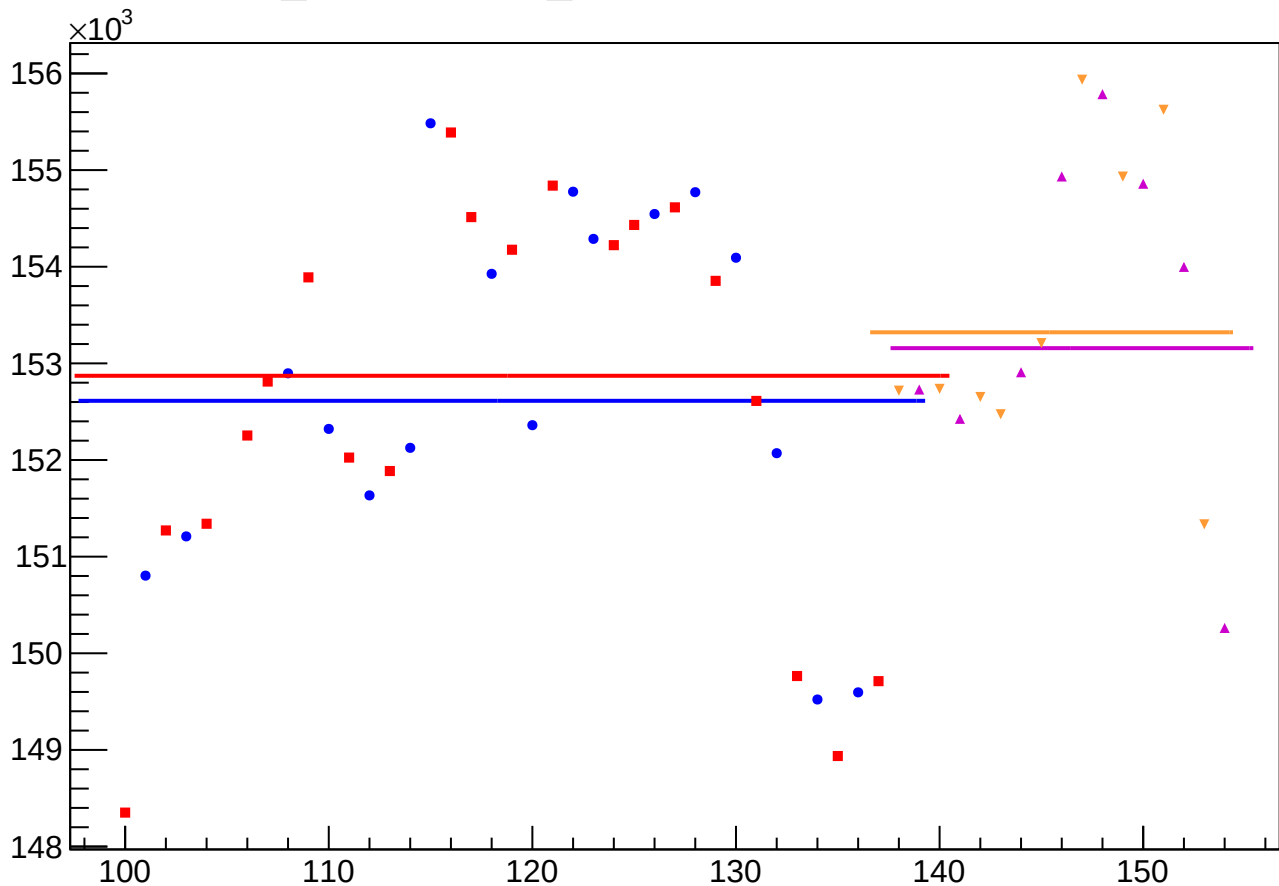
Left In: 191.837+/-0.054 χ^2/NDF : 199350.3/7

170.590+/-0.035 χ^2/NDF : 1223157.2/25

168.525+/-0.024 χ^2/NDF : 2786600.7/53

166.588+/-0.033 χ^2/NDF : 1556508.4/27

yield_bpm0i07WS_mean vs Slug, Sign Corrected



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

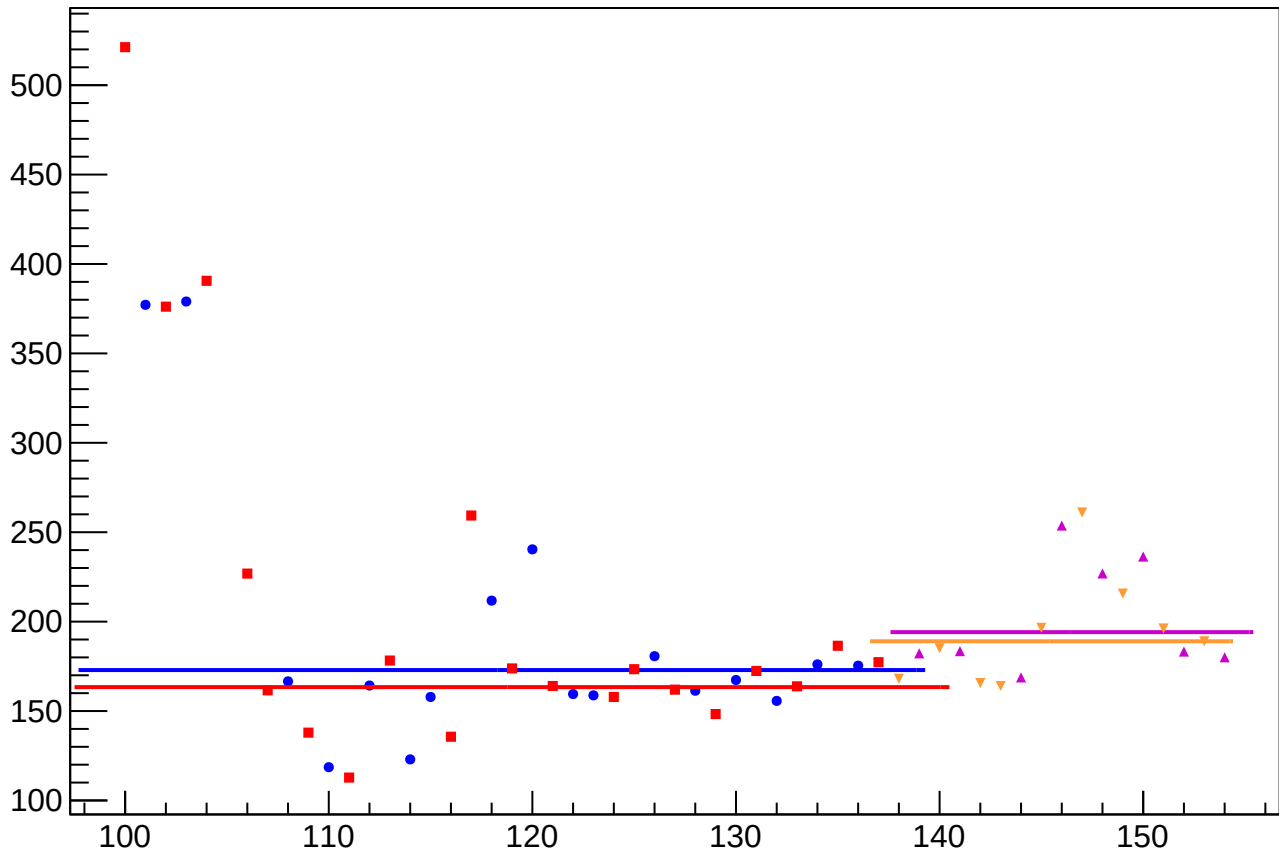
Left In: 153157.462 $\pm$ 0.077 χ^2 /NDF: 436956553.8/7

152953.189 $\pm$ 0.052 χ^2 /NDF: 1028497944.7/25

152973.382 $\pm$ 0.036 χ^2 /NDF: 219426940

152992.247 $\pm$ 0.050 χ^2 /NDF: 1165479978.6/27

yield_bpm0i07WS_rms vs Slug, Sign Corrected



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

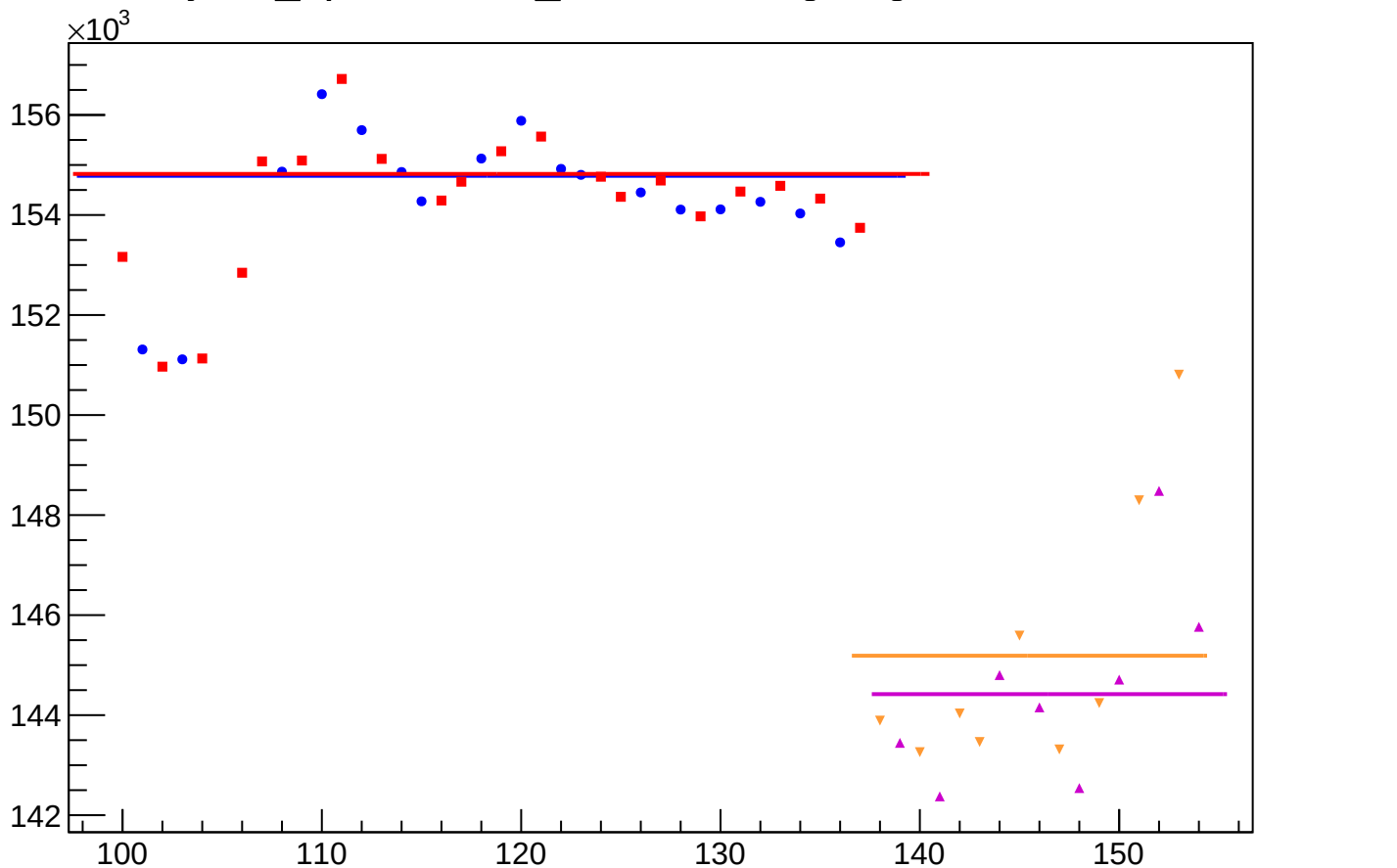
Left In: 194.126+/-0.055 χ^2/NDF : 239366.0/7

180.653+/-0.037 χ^2/NDF : 1206519.7/25

178.431+/-0.026 χ^2/NDF : 2679784.5/53

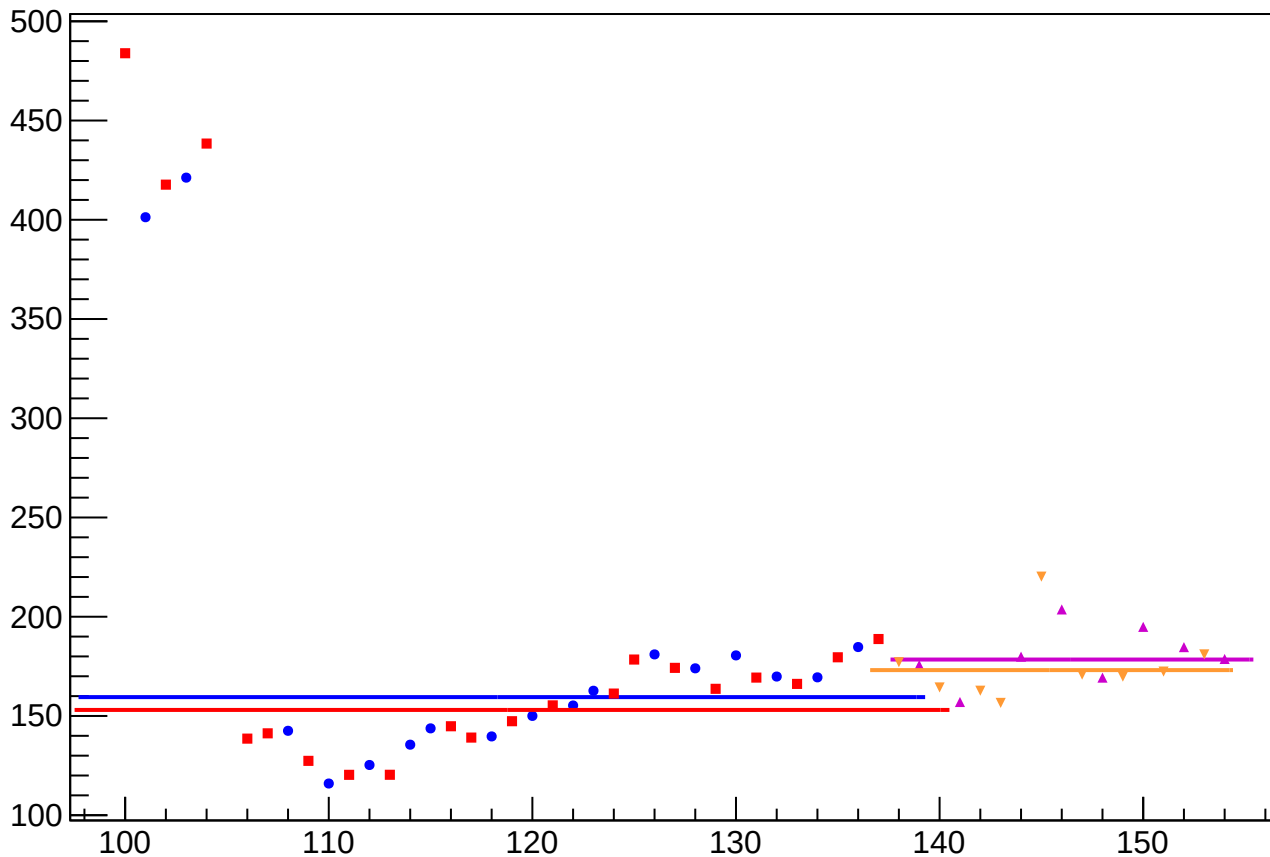
176.356+/-0.036 χ^2/NDF : 1466208.8/27

yield_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 154783.944 ± 0.065 $\chi^2/\text{NDF}: 265581398.0/16$
 Left Out: 145187.973 ± 0.068 $\chi^2/\text{NDF}: 1388801091.1/8$
 Right Out: 154820.824 ± 0.061 $\chi^2/\text{NDF}: 293904936.4/19$
 Left In: 144419.684 ± 0.070 $\chi^2/\text{NDF}: 710663539.7/7$

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 159.504 +/- 0.046 χ^2/NDF : 1131844.5/16

Left Out: 173.106 +/- 0.048 χ^2/NDF : 97089.2/8

Right Out: 153.038 +/- 0.043 χ^2/NDF : 1174616.4/19

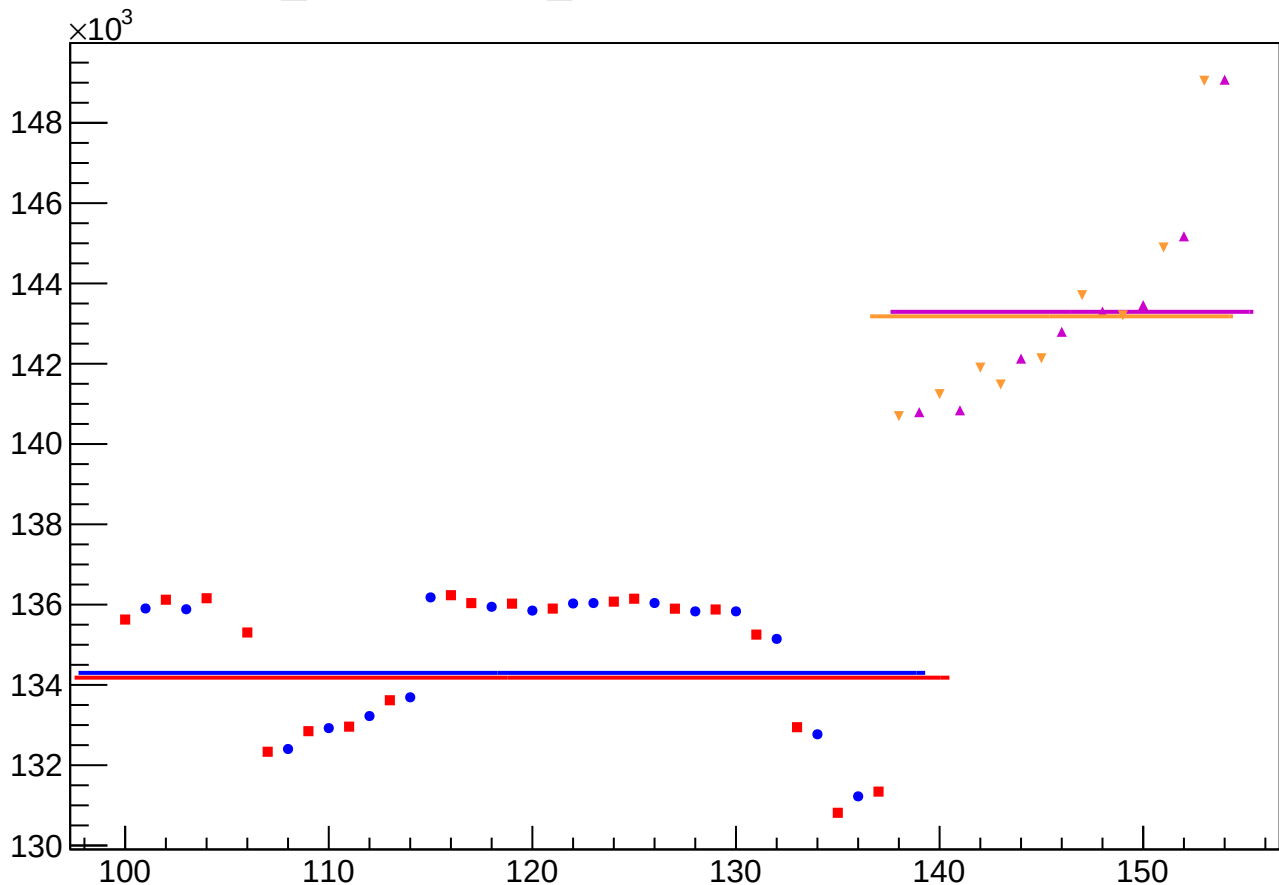
Left In: 178.428 +/- 0.050 χ^2/NDF : 74408.6/7

166.016 +/- 0.033 χ^2/NDF : 1270396.0/25

164.900 +/- 0.023 χ^2/NDF : 2670823.6/53

163.842 +/- 0.032 χ^2/NDF : 1398250.4/27

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134300.025 ± 0.050 $\chi^2/\text{NDF}: 1149581803.2/16$

Left Out: 143180.585 ± 0.067 $\chi^2/\text{NDF}: 1330555892.4/8$

Right Out: 134180.888 ± 0.047 $\chi^2/\text{NDF}: 1224202240.2/19$

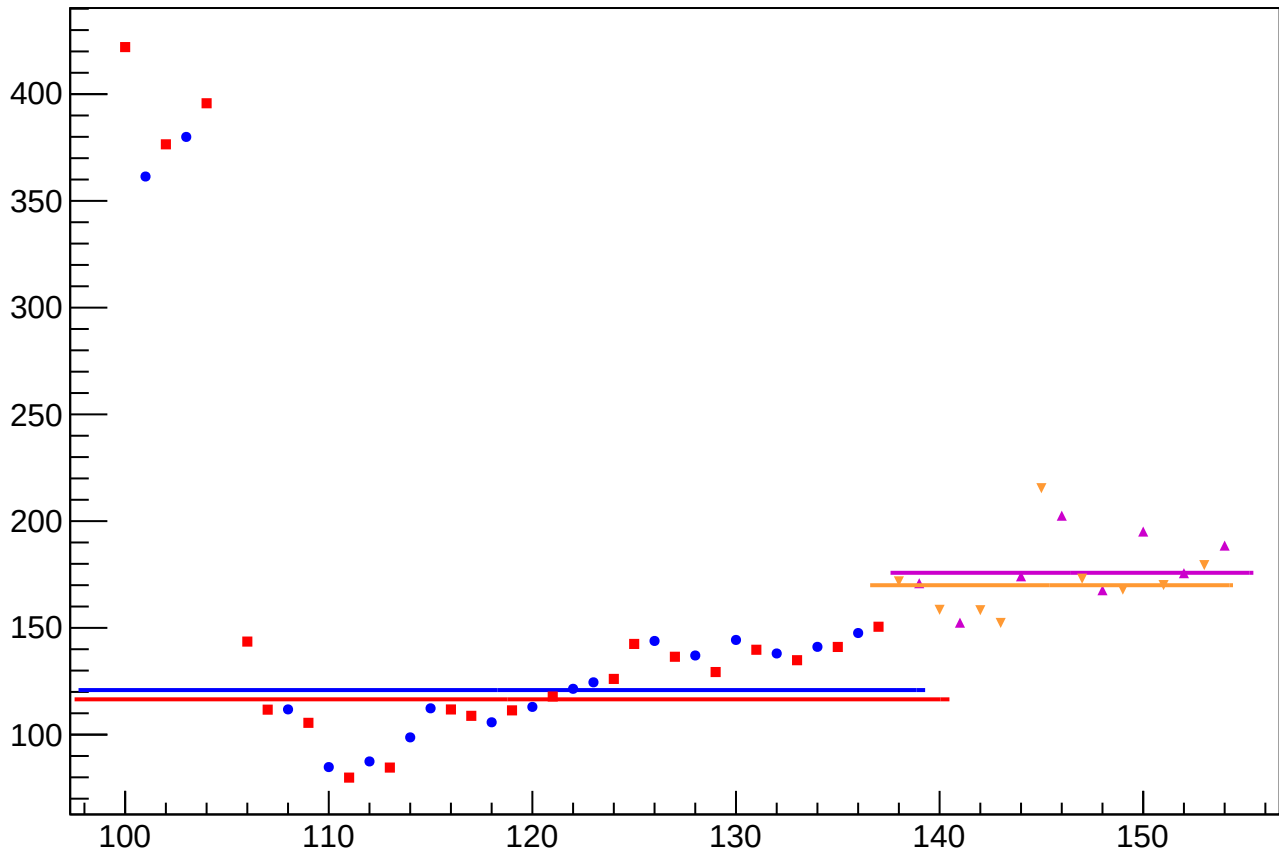
Left In: 143293.101 ± 0.070 $\chi^2/\text{NDF}: 1275657091.1/7$

137500.557 ± 0.040 $\chi^2/\text{NDF}: 13695109453.5/2$

137270.014 ± 0.028 $\chi^2/\text{NDF}: 280063481$

137053.034 ± 0.039 $\chi^2/\text{NDF}: 14247589639.7/2$

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 120.872 +/- 0.036 χ^2/NDF : 1463728.4/16

Left Out: 169.983 +/- 0.047 χ^2/NDF : 103673.3/8

Right Out: 116.531 +/- 0.033 χ^2/NDF : 1541779.4/19

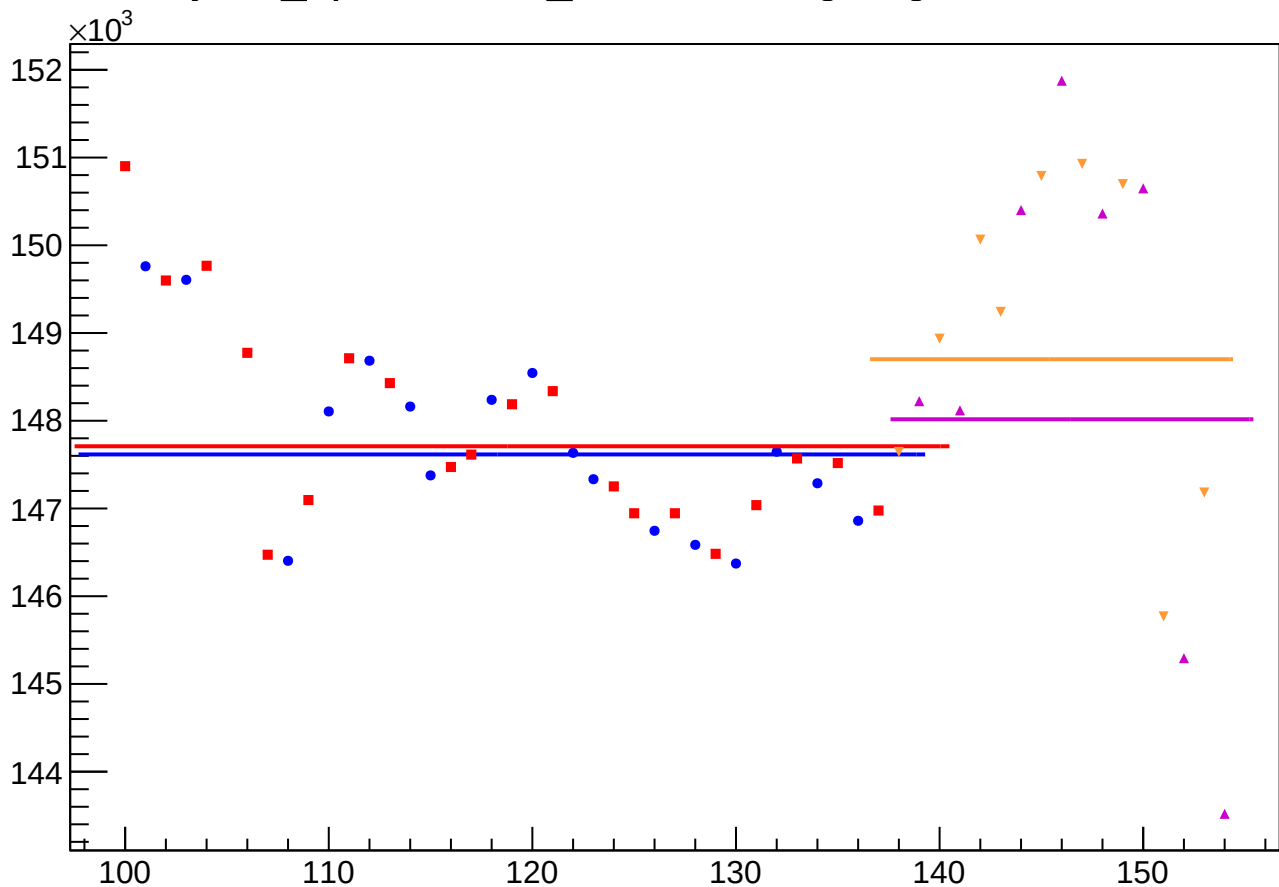
Left In: 175.800 +/- 0.049 χ^2/NDF : 95801.7/7

138.572 +/- 0.028 χ^2/NDF : 2253355.2/25

136.841 +/- 0.020 χ^2/NDF : 4892131.7/53

135.213 +/- 0.028 χ^2/NDF : 2631604.6/27

yield_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 147616.150 $\pm$ 0.062 χ^2 /NDF: 199263428.7/16

Left Out: 148701.458 $\pm$ 0.079 χ^2 /NDF: 480589121.8/8

Right Out: 147709.096 $\pm$ 0.058 χ^2 /NDF: 203924272.1/19

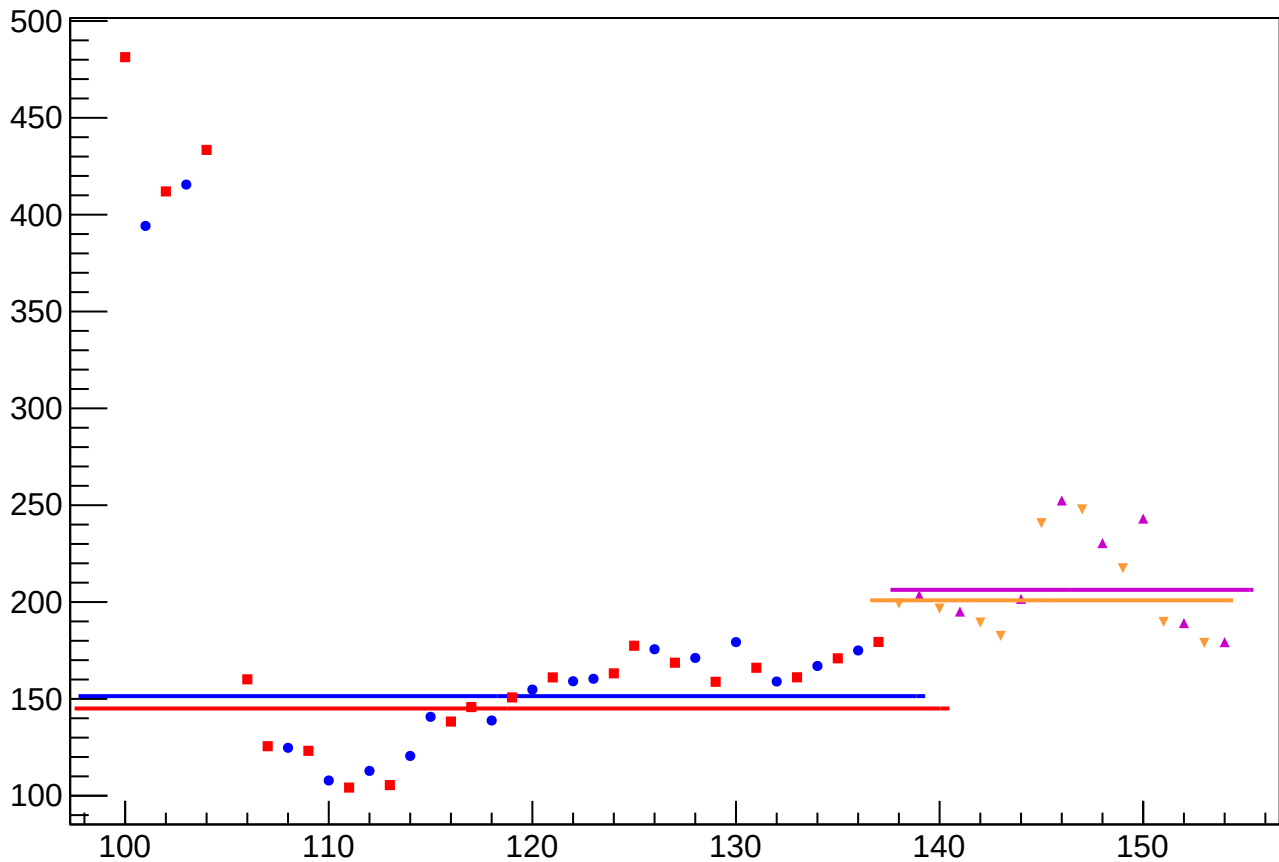
Left In: 148016.671 $\pm$ 0.082 χ^2 /NDF: 1174364870.0/7

148031.235 $\pm$ 0.049 χ^2 /NDF: 795240195.7/25

147917.885 $\pm$ 0.034 χ^2 /NDF: 219321577

147812.323 $\pm$ 0.047 χ^2 /NDF: 1387683688.0/27

yield_bpm1i06WS_rms vs Slug, Sign Corrected



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

Right Out: 145.044 $\pm$ 0.041 χ^2/NDF : 1375974.1/19

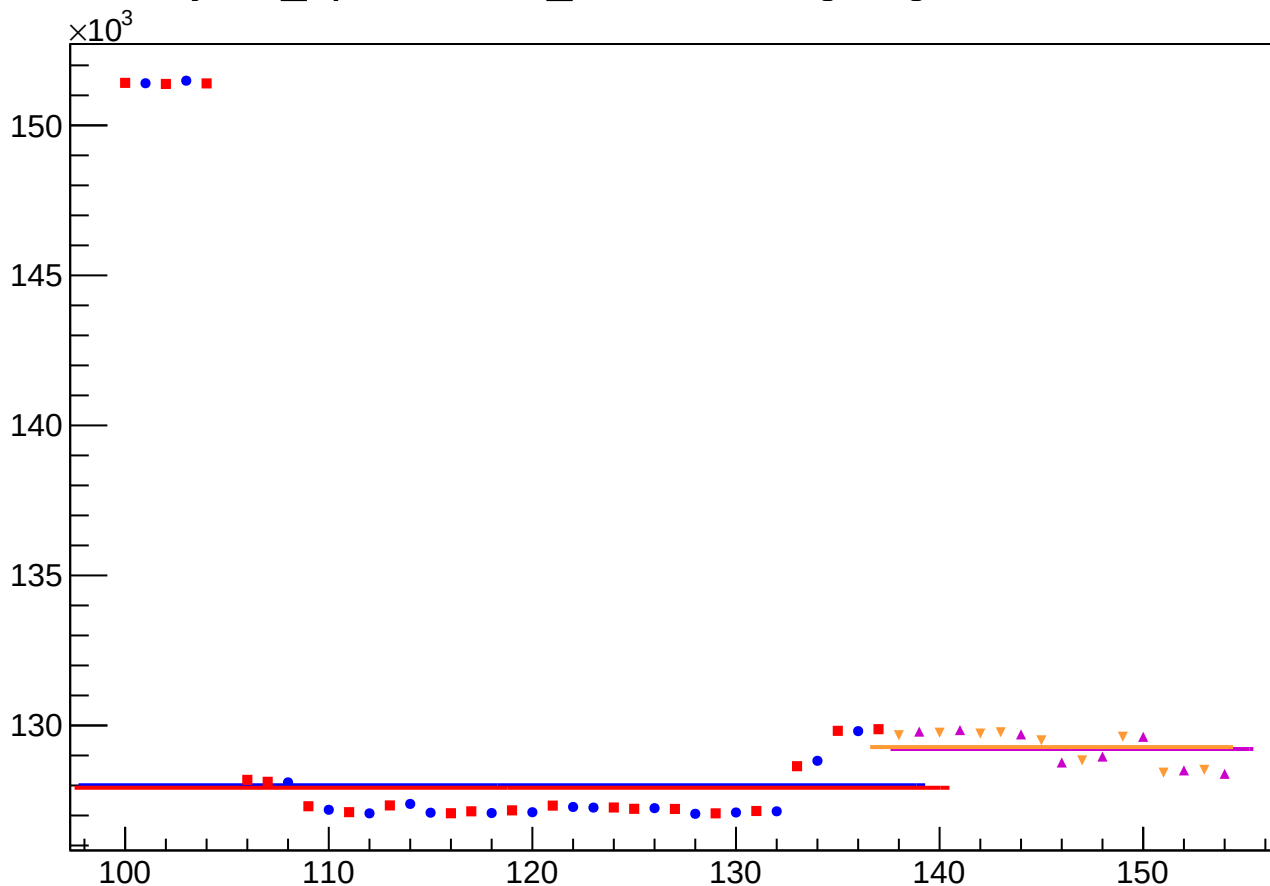
Left In: 206.305 $\pm$ 0.058 χ^2/NDF :167178.2/7

170.342 $\pm$ 0.035 χ^2/NDF : 1890680.1/25

167.889 $\pm$ 0.024 χ^2/NDF : 4188836.5/53

165.604 $\pm$ 0.034 χ^2/NDF : 2288513.6/27

yield_bpm2i01WS_mean vs Slug, Sign Corrected



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

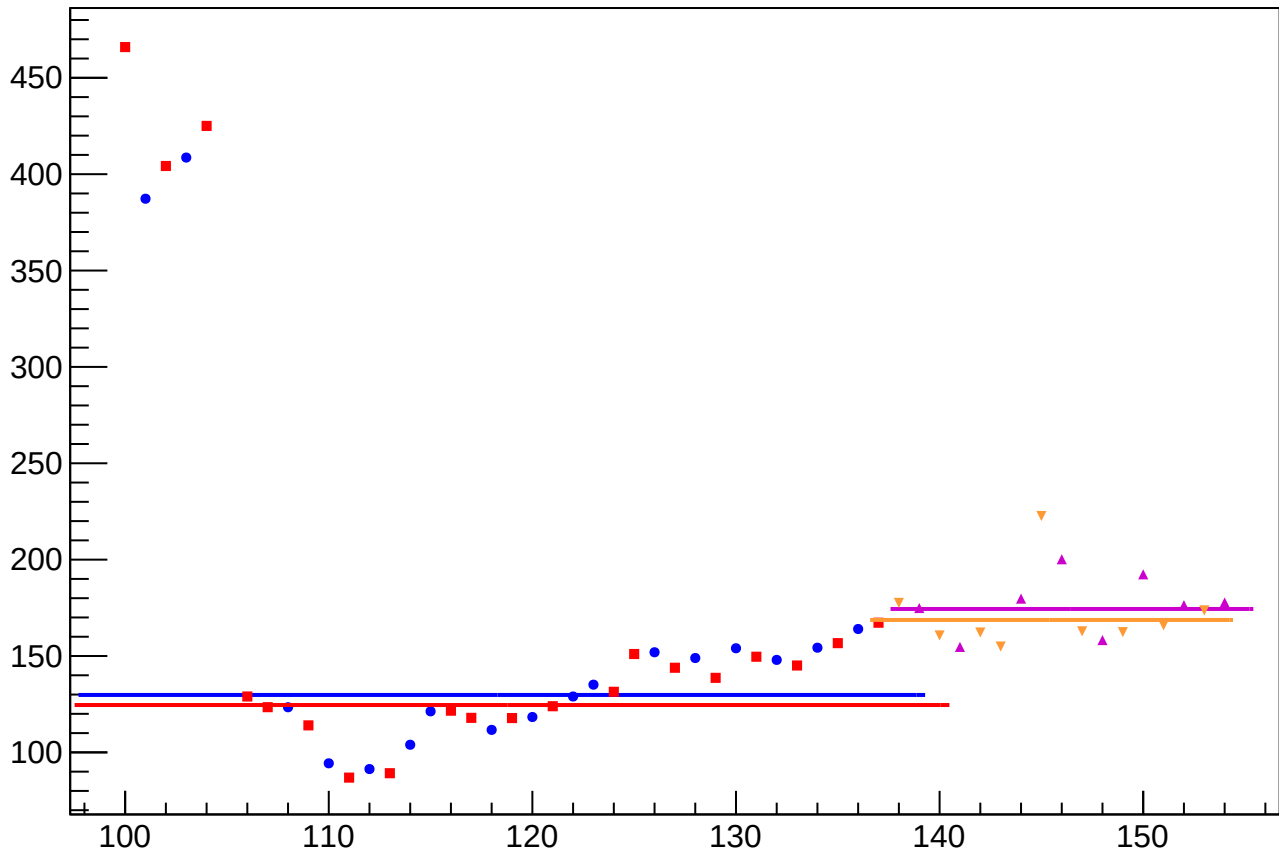
Left In: 129215.316 $\pm$ 0.069 χ^2 /NDF: 68572695.9/7

128514.749 $\pm$ 0.042 χ^2 /NDF: 4606949531.2/25

128440.616 $\pm$ 0.029 χ^2 /NDF: 868108484

128371.347 $\pm$ 0.041 χ^2 /NDF: 4068100067.2/27

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.796 +/- 0.038 χ^2/NDF : 1485294.2/16

Left Out: 168.709 +/- 0.047 χ^2/NDF : 115241.7/8

Right Out: 124.572 +/- 0.035 χ^2/NDF : 1532105.0/19

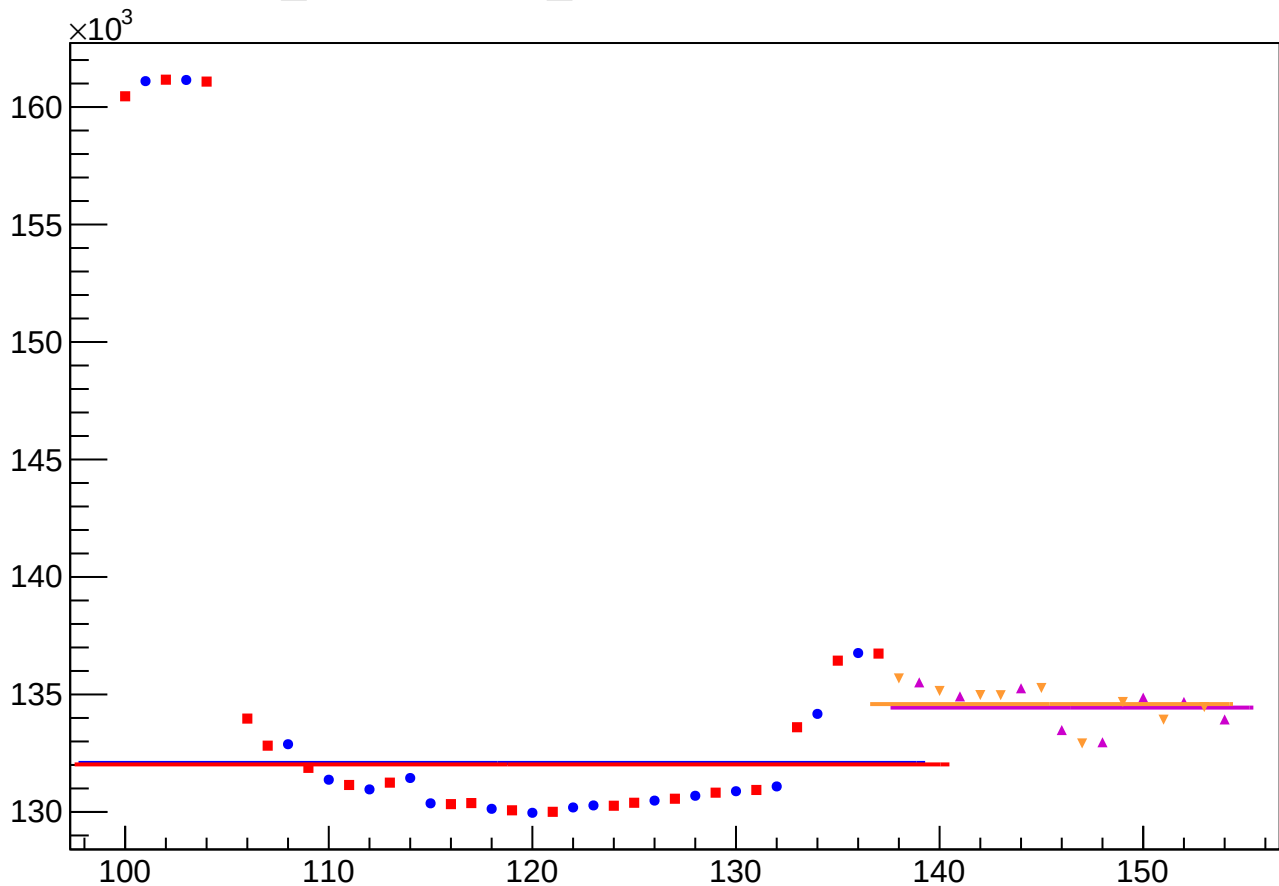
Left In: 174.409 +/- 0.049 χ^2/NDF : 87033.6/7

145.310 +/- 0.030 χ^2/NDF : 2012694.9/25

143.515 +/- 0.021 χ^2/NDF : 4322284.4/53

141.838 +/- 0.029 χ^2/NDF : 2302515.8/27

yield_bpm2i02WS_mean vs Slug, Sign Corrected



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

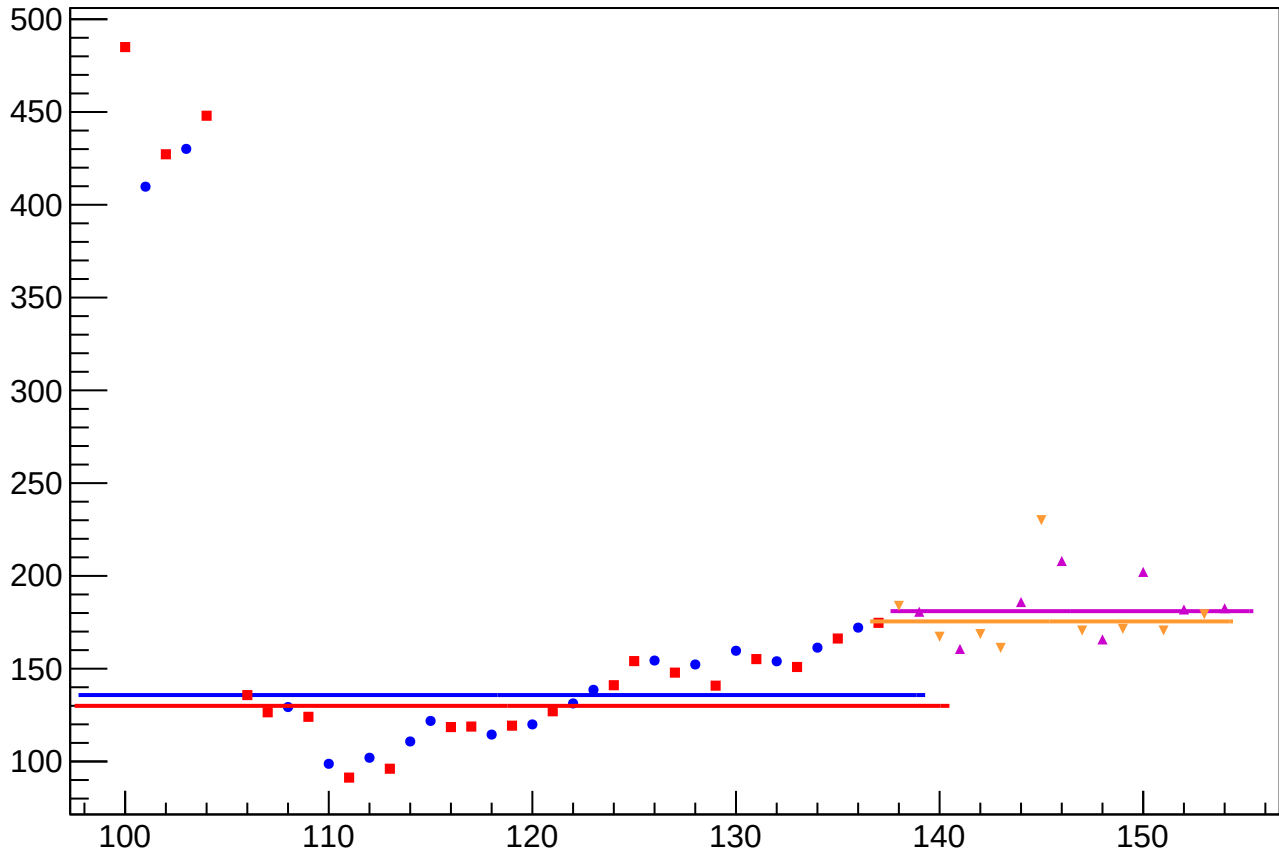
Left In: 134441.226 $\pm$ 0.072 χ^2 /NDF: 139415283.1/7

133090.246 $\pm$ 0.044 χ^2 /NDF: 7653640813.8/25

132974.094 $\pm$ 0.030 χ^2 /NDF: 144414057

132865.930 $\pm$ 0.042 χ^2 /NDF: 6774156040.9/27

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 135.796 +/- 0.040 χ^2/NDF : 1441904.9/16

Left Out: 175.480 +/- 0.049 χ^2/NDF : 108740.6/8

Right Out: 129.975 +/- 0.037 χ^2/NDF : 1504768.0/19

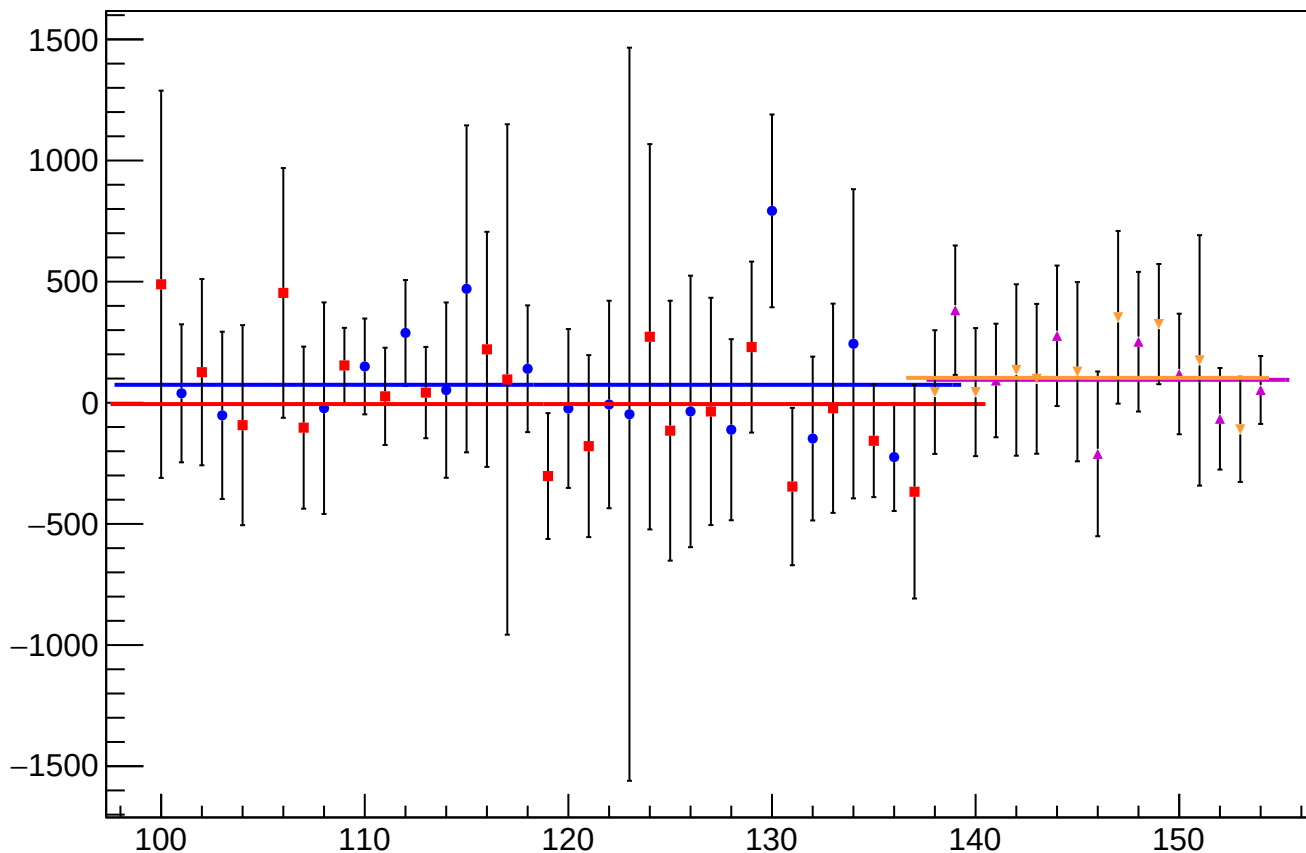
Left In: 181.002 +/- 0.051 χ^2/NDF : 86994.7/7

151.701 +/- 0.031 χ^2/NDF : 1945717.9/25

149.657 +/- 0.021 χ^2/NDF : 4209002.2/53

147.753 +/- 0.030 χ^2/NDF : 2254855.4/27

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 74.294 $\pm$ 79.018 χ^2/NDF : 7.7/16

Left Out: 102.919 $\pm$ 97.835 χ^2/NDF : 2.4/8

Right Out: -5.290 $\pm$ 69.914 χ^2/NDF : 7.1/19

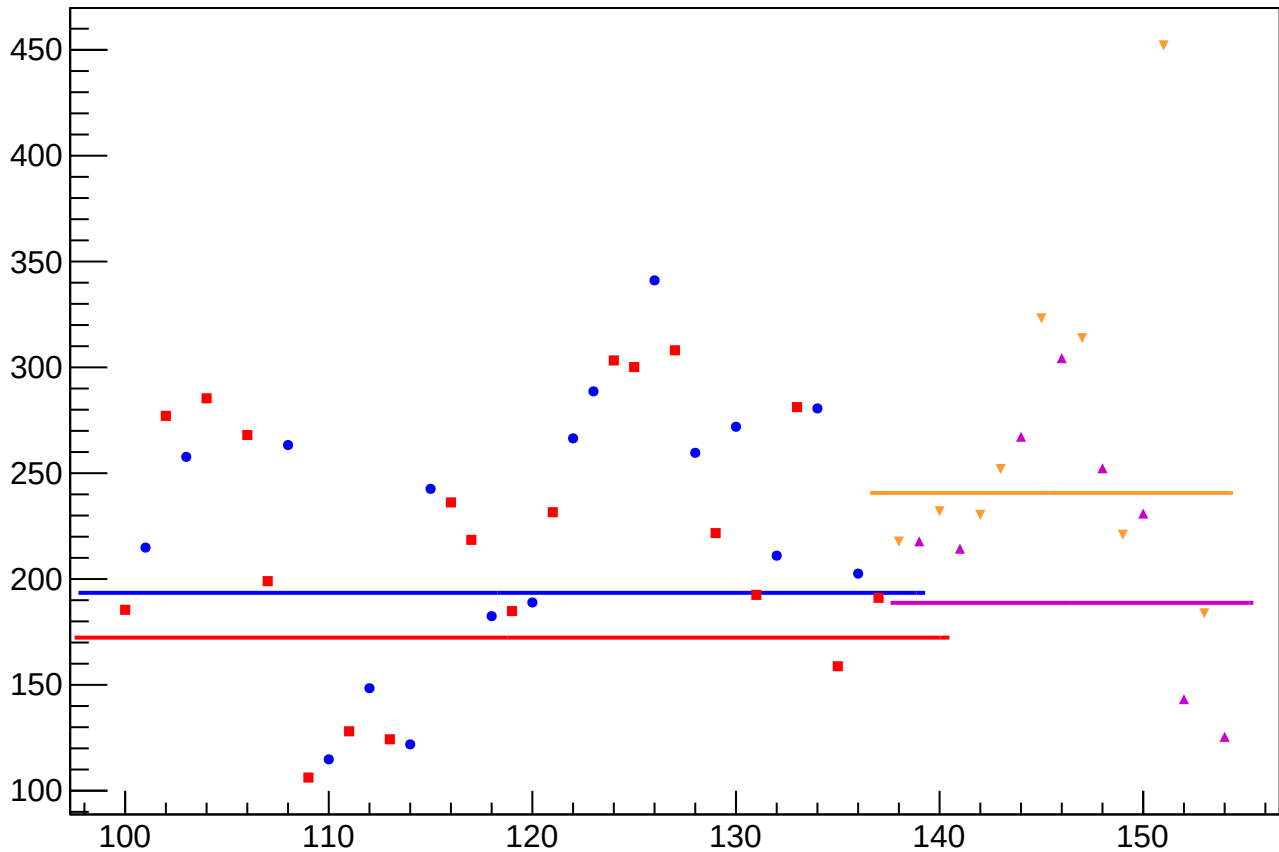
Left In: 94.815 $\pm$ 80.451 χ^2/NDF : 3.3/7

85.595 $\pm$ 61.472 χ^2/NDF : 10.1/25

58.068 $\pm$ 40.041 χ^2/NDF : 21.8/53

37.782 $\pm$ 52.772 χ^2/NDF : 11.3/27

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.488 $\pm$ 0.056 χ^2 /NDF: 1017195.7/16

Left Out: 240.689 $\pm$ 0.069 χ^2 /NDF: 690957.5/8

Right Out: 172.327 $\pm$ 0.049 χ^2 /NDF: 1583701.4/19

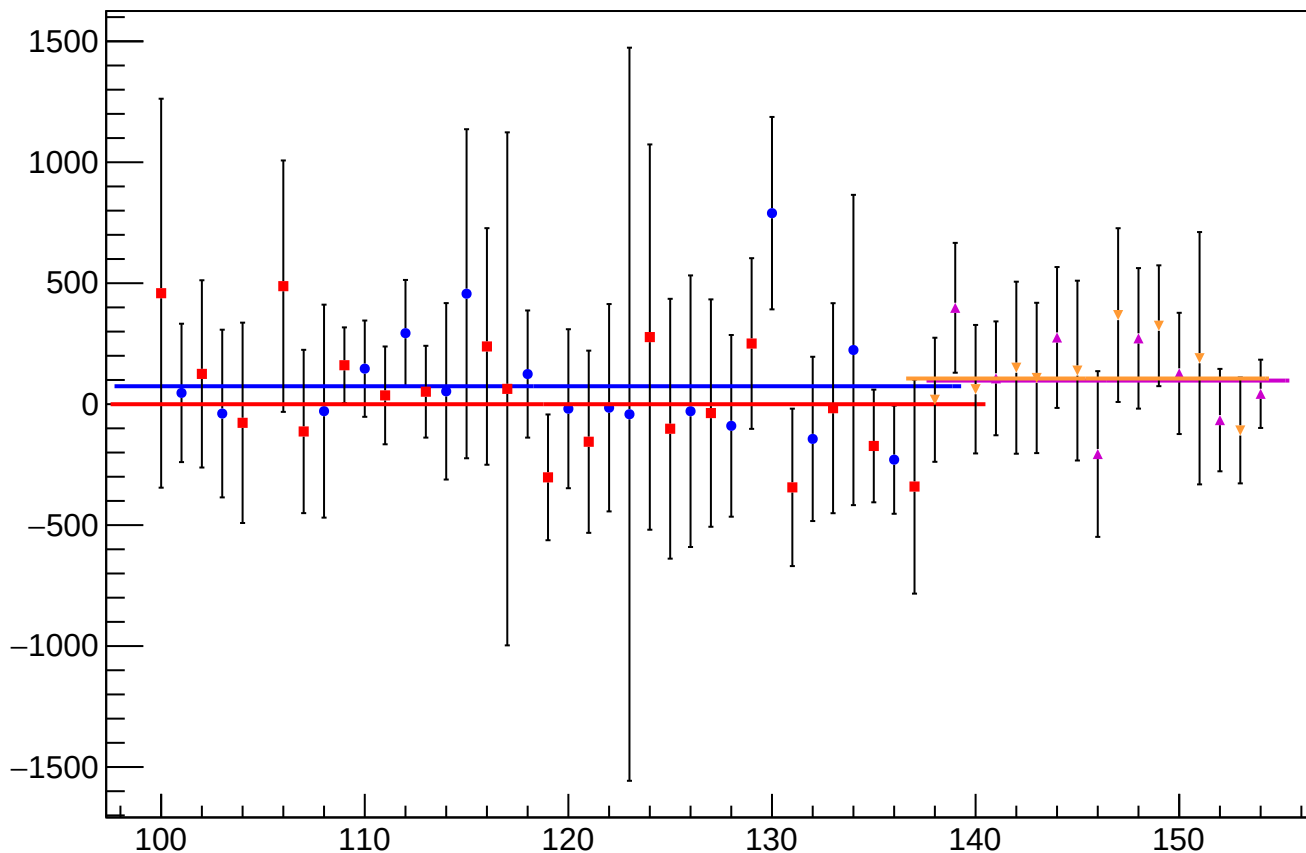
Left In: 188.763 $\pm$ 0.057 χ^2 /NDF: 1081631.9/7

212.122 $\pm$ 0.043 χ^2 /NDF: 1989889.9/25

193.283 $\pm$ 0.028 χ^2 /NDF: 5029076.6/53

179.399 $\pm$ 0.037 χ^2 /NDF: 2712895.0/27

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



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

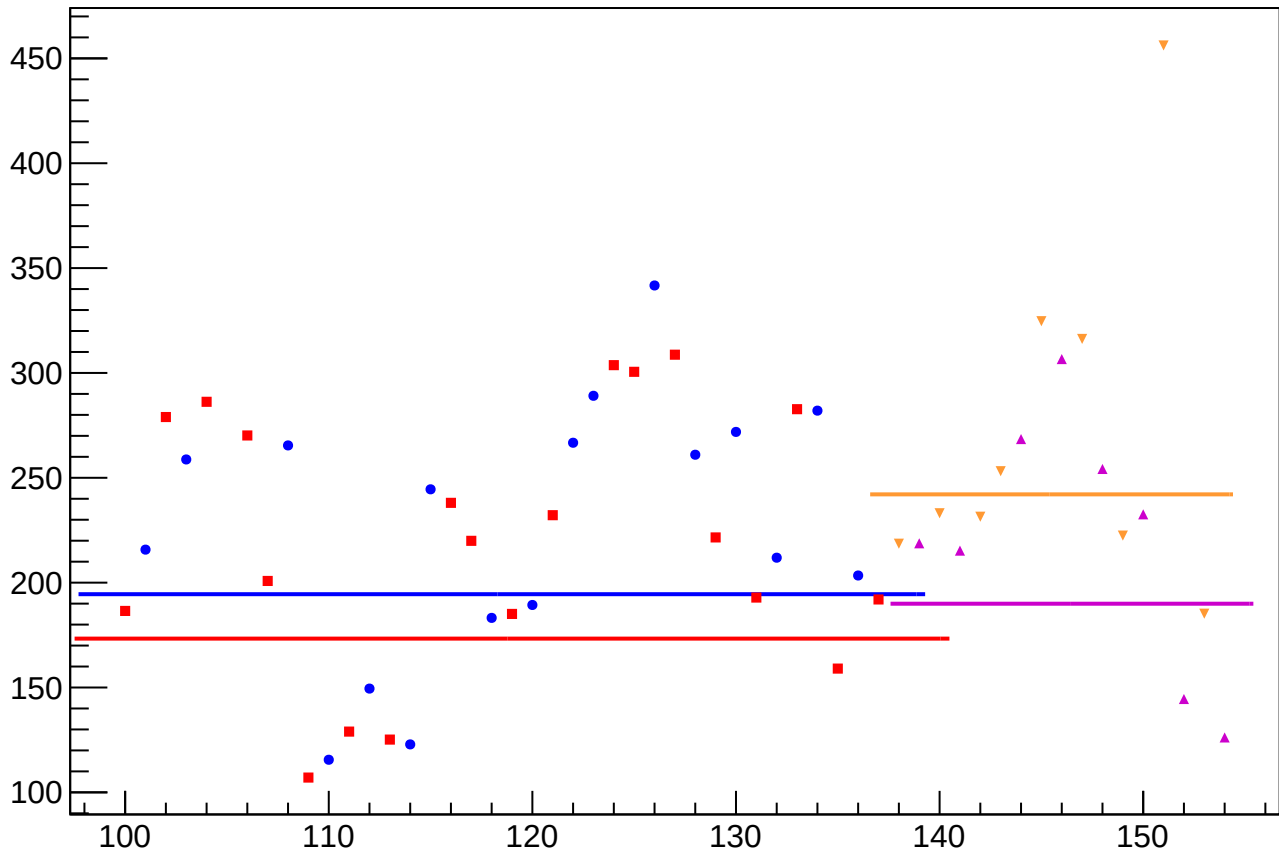
Left In: 97.502+/-80.957 χ^2/NDF : 3.5/7

86.699+/-61.797 χ^2/NDF : 10.1/25

60.845+/-40.262 χ^2/NDF : 22.1/53

41.776+/-53.073 χ^2/NDF : 11.7/27

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.496 $\pm$ 0.056 χ^2 /NDF: 1008514.7/16

Left Out: 242.099 $\pm$ 0.070 χ^2 /NDF: 692014.6/8

Right Out: 173.317 $\pm$ 0.050 χ^2 /NDF: 1571258.4/19

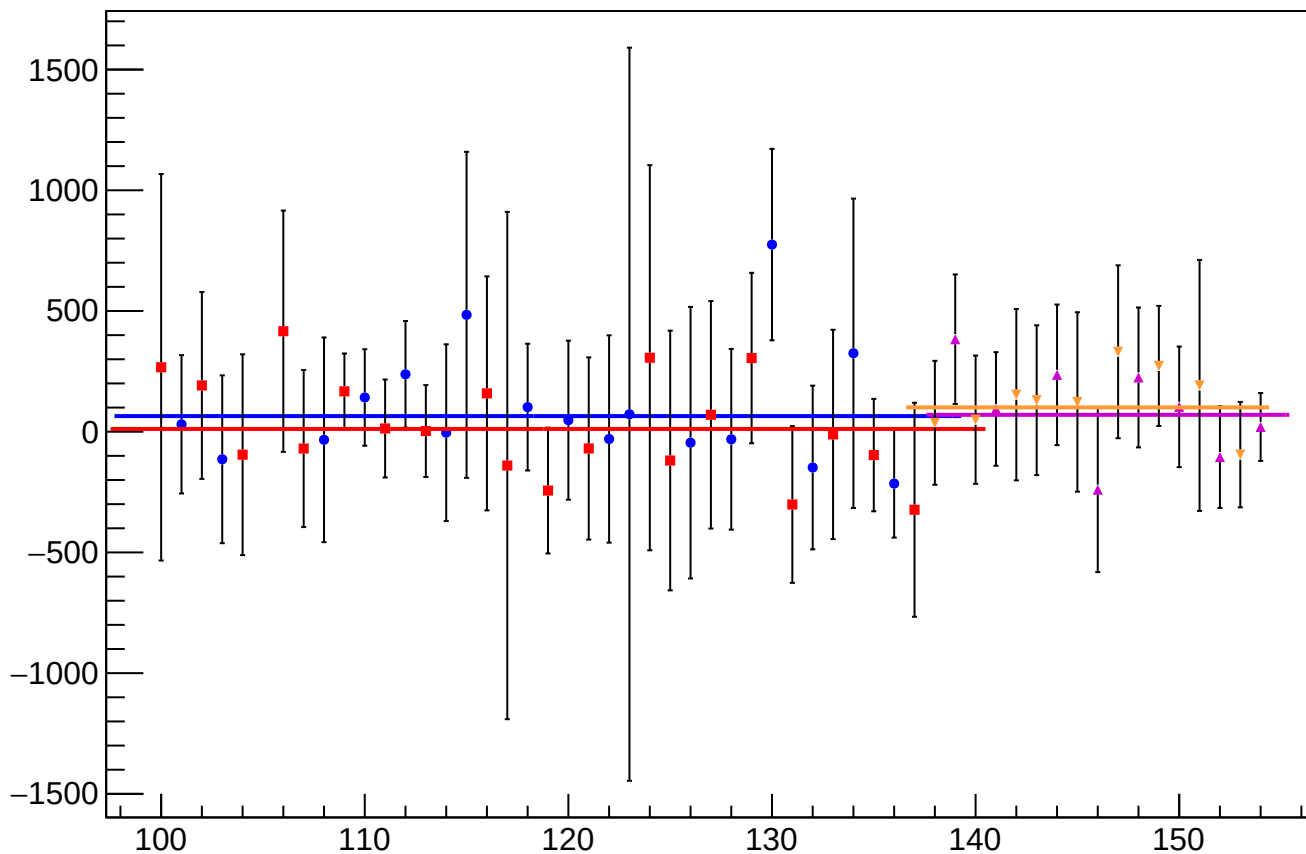
Left In: 189.955 $\pm$ 0.057 χ^2 /NDF: 1079980.2/7

213.266 $\pm$ 0.044 χ^2 /NDF: 1983948.8/25

194.390 $\pm$ 0.028 χ^2 /NDF: 5007586.2/53

180.467 $\pm$ 0.038 χ^2 /NDF: 2699409.2/27

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 64.733 $\pm$ 79.399 χ^2/NDF : 7.0/16

Left Out: 100.715 $\pm$ 98.259 χ^2/NDF : 1.9/8

Right Out: 11.414 $\pm$ 70.204 χ^2/NDF : 5.8/19

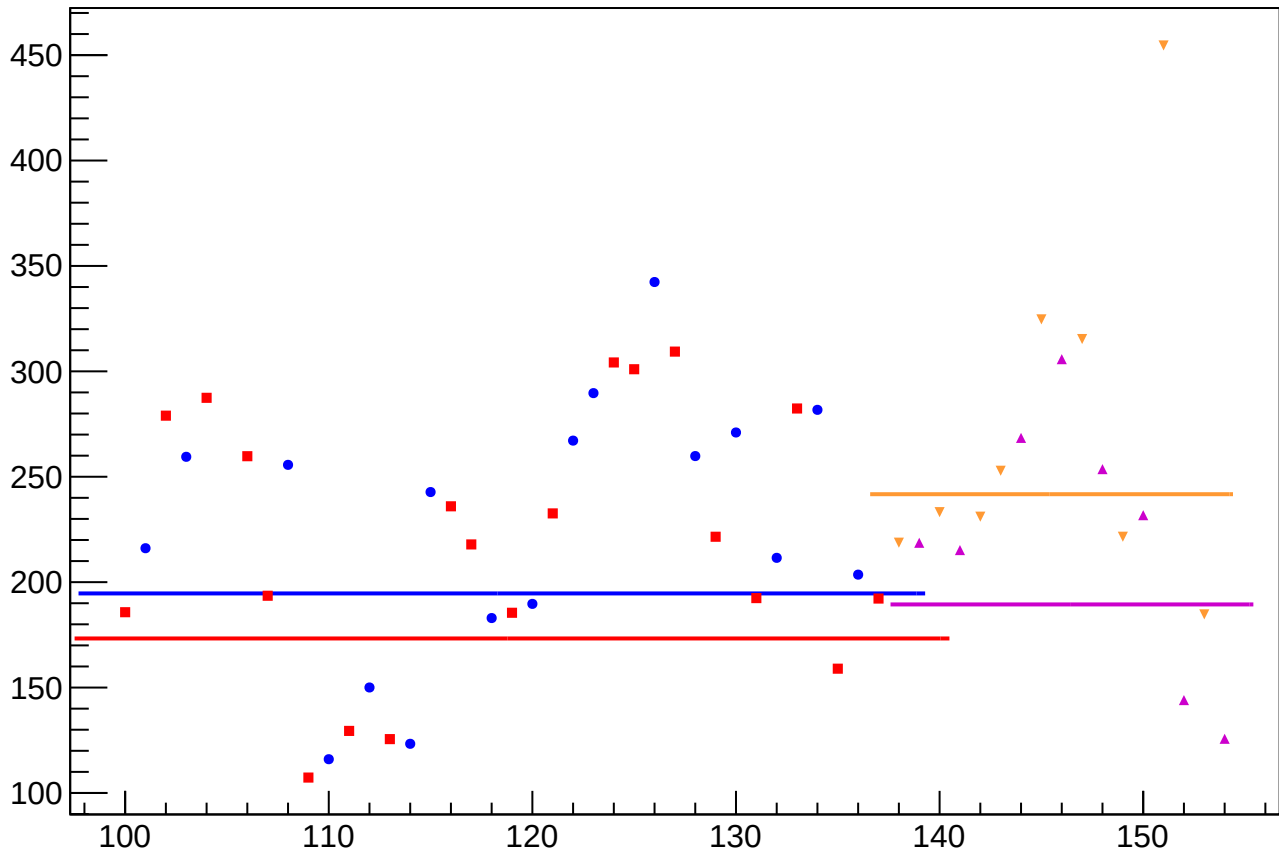
Left In: 69.914 $\pm$ 80.756 χ^2/NDF : 3.6/7

78.947 $\pm$ 61.757 χ^2/NDF : 9.0/25

54.551 $\pm$ 40.212 χ^2/NDF : 19.0/53

36.595 $\pm$ 52.982 χ^2/NDF : 9.8/27

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.652 +/- 0.056 χ^2/NDF : 986798.9/16

Left Out: 241.723 +/- 0.069 χ^2/NDF : 691808.6/8

Right Out: 173.289 +/- 0.050 χ^2/NDF : 1548162.6/19

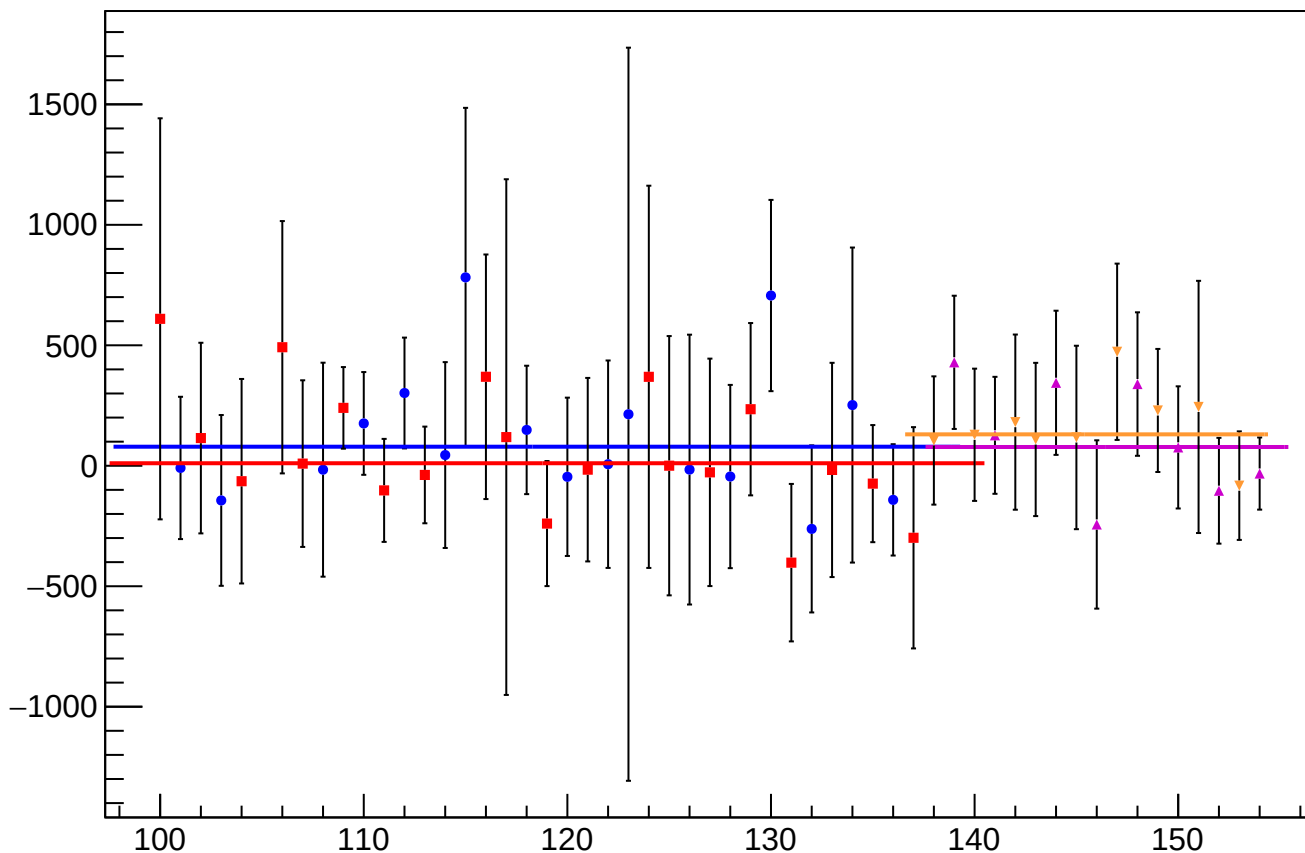
Left In: 189.434 +/- 0.057 χ^2/NDF : 1086175.8/7

213.246 +/- 0.044 χ^2/NDF : 1956283.1/25

194.233 +/- 0.028 χ^2/NDF : 4965260.1/53

180.238 +/- 0.037 χ^2/NDF : 2679867.7/27

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 79.128 $\pm$ 81.874 χ^2 /NDF: 7.5/16

Left Out: 130.413 $\pm$ 101.062 χ^2 /NDF: 2.0/8

Right Out: 10.491 $\pm$ 73.139 χ^2 /NDF: 7.9/19

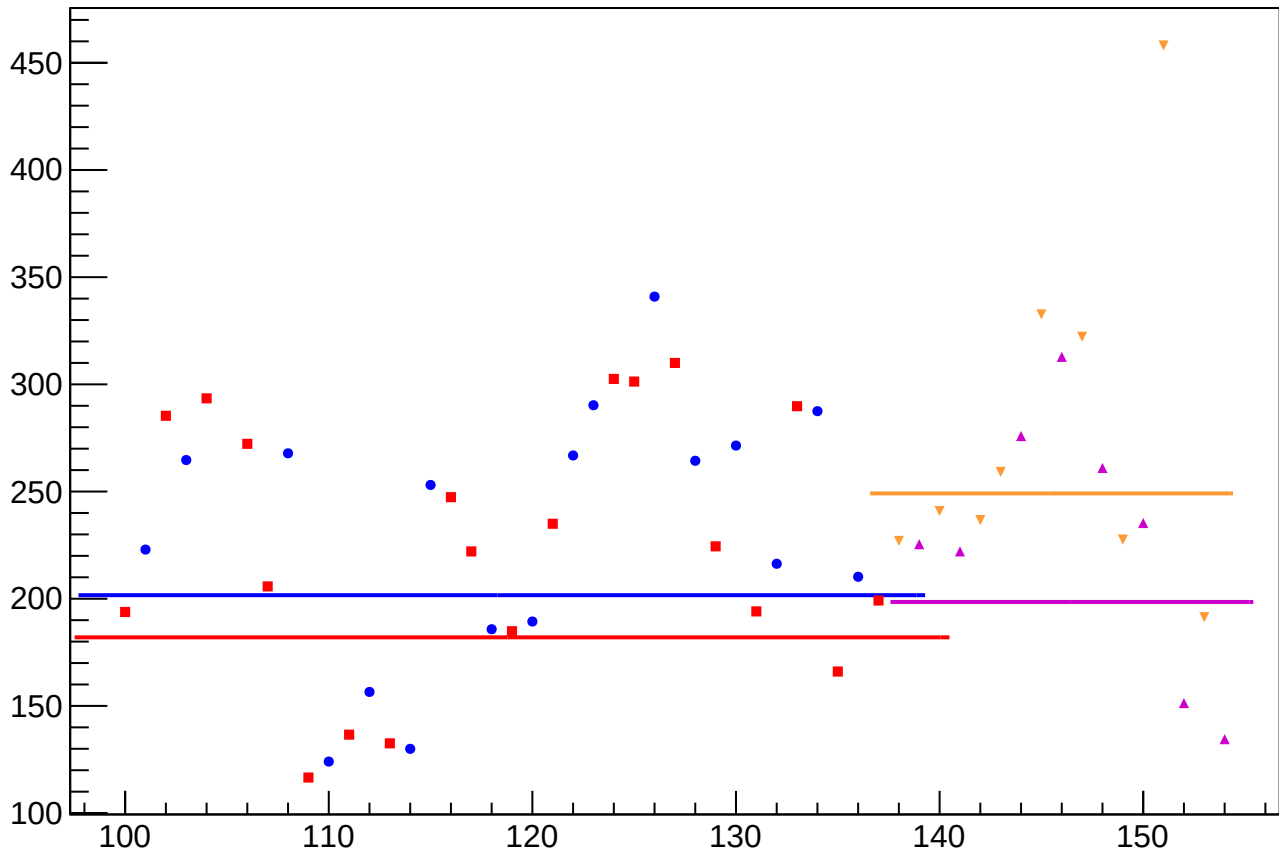
Left In: 77.912 $\pm$ 84.036 χ^2 /NDF: 5.3/7

99.450 $\pm$ 63.617 χ^2 /NDF: 9.7/25

65.261 $\pm$ 41.680 χ^2 /NDF: 23.7/53

39.549 $\pm$ 55.170 χ^2 /NDF: 13.5/27

asym_bcm_dg_us_rms vs Slug, Sign Corrected



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

Right Out: 181.986 $\pm$ 0.052 χ^2/NDF : 1380269.0/19

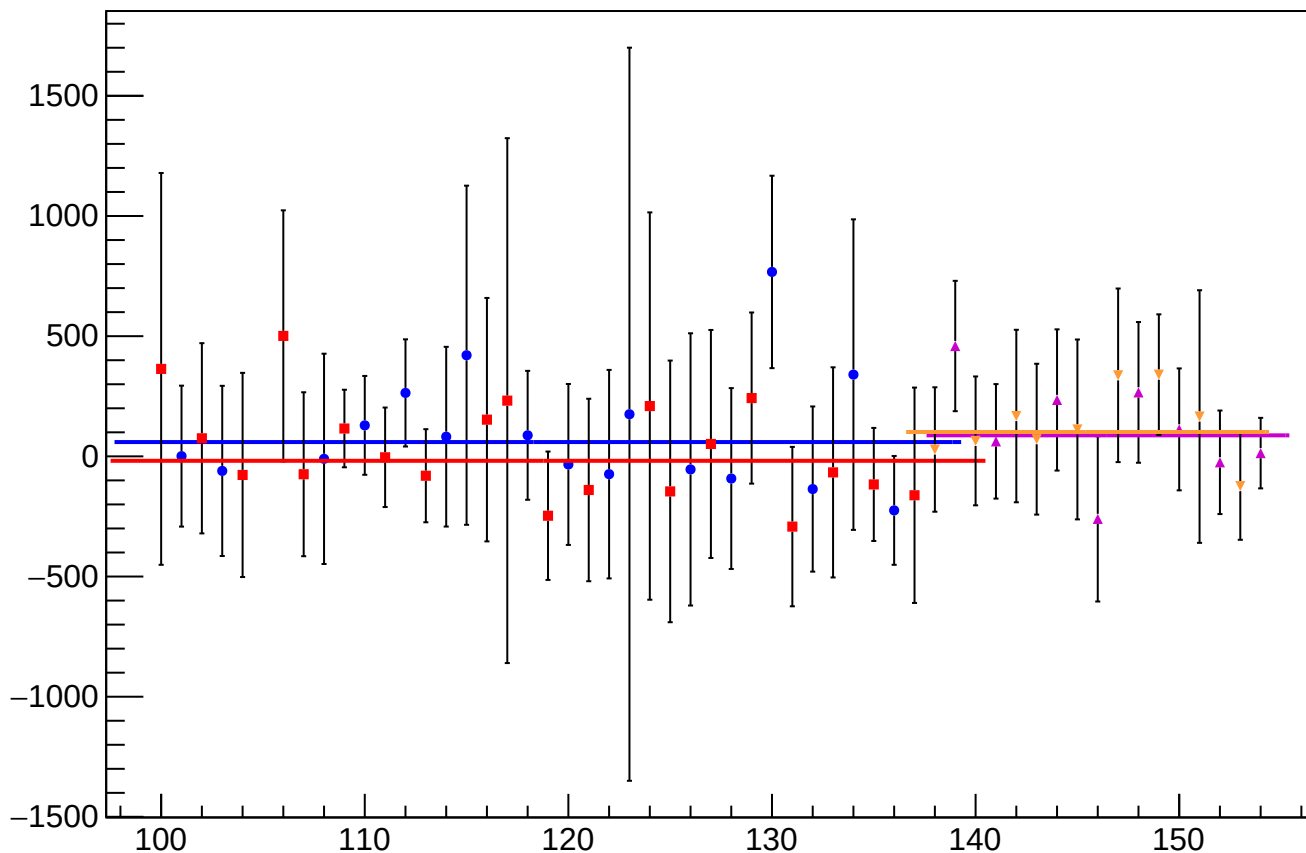
Left In: 198.492 $\pm$ 0.059 χ^2/NDF : 973970.1/7

220.464 $\pm$ 0.045 χ^2/NDF : 1810088.2/25

202.563 $\pm$ 0.029 χ^2/NDF : 4485698.4/53

189.100 $\pm$ 0.039 χ^2/NDF : 2398144.7/27

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.496 $\pm$ 80.808 χ^2 /NDF: 7.0/16

Left Out: 101.368 $\pm$ 99.451 χ^2 /NDF: 2.5/8

Right Out: -18.457 $\pm$ 71.711 χ^2 /NDF: 4.8/19

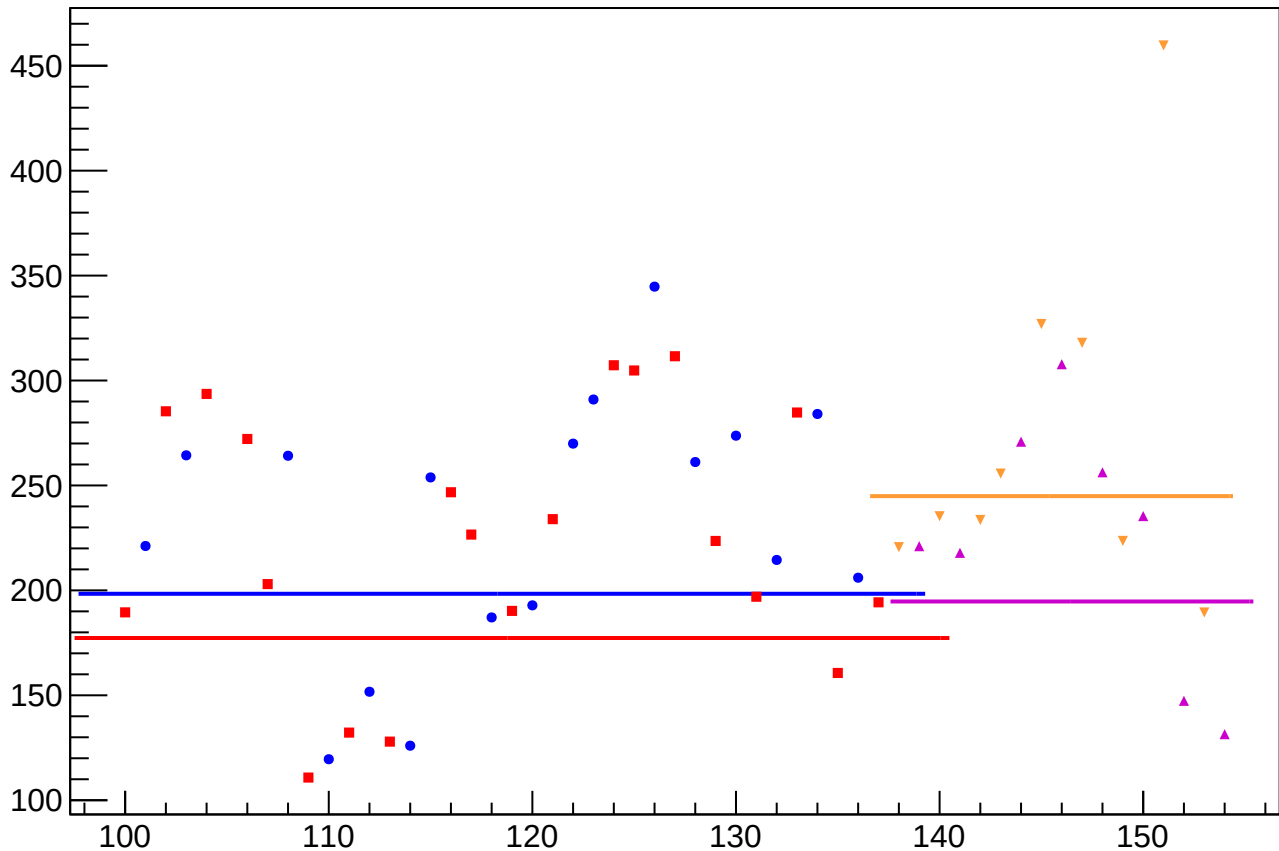
Left In: 87.415 $\pm$ 82.619 χ^2 /NDF: 4.1/7

76.147 $\pm$ 62.715 χ^2 /NDF: 9.6/25

48.013 $\pm$ 40.989 χ^2 /NDF: 19.8/53

27.033 $\pm$ 54.156 χ^2 /NDF: 9.8/27

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



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

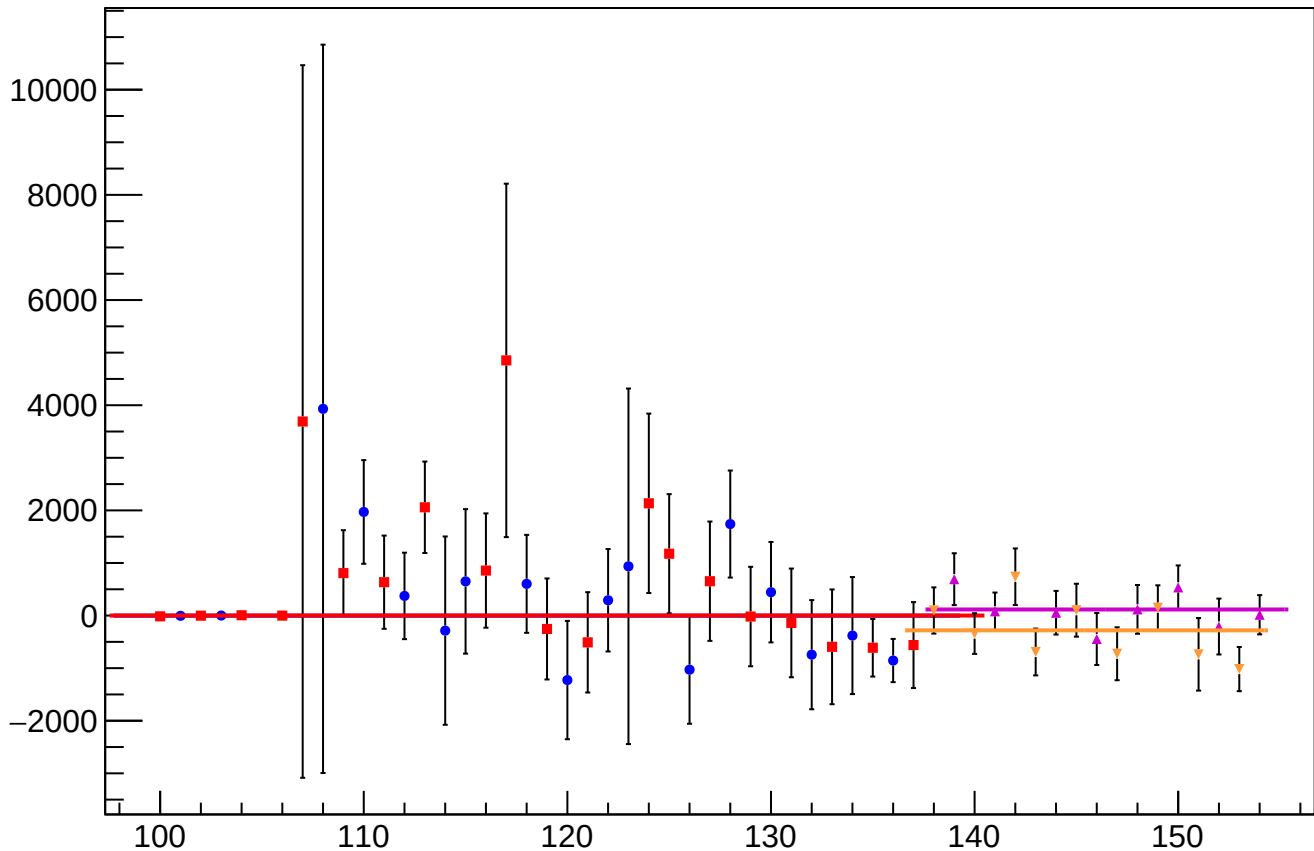
Left In: 194.708 +/- 0.058 χ^2/NDF : 996474.3/7

216.878 +/- 0.044 χ^2/NDF : 1901427.6/25

198.494 +/- 0.029 χ^2/NDF : 4777348.9/53

184.785 +/- 0.038 χ^2/NDF : 2575914.1/27

asym_cav4bQ_mean vs Slug, Sign Corrected



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

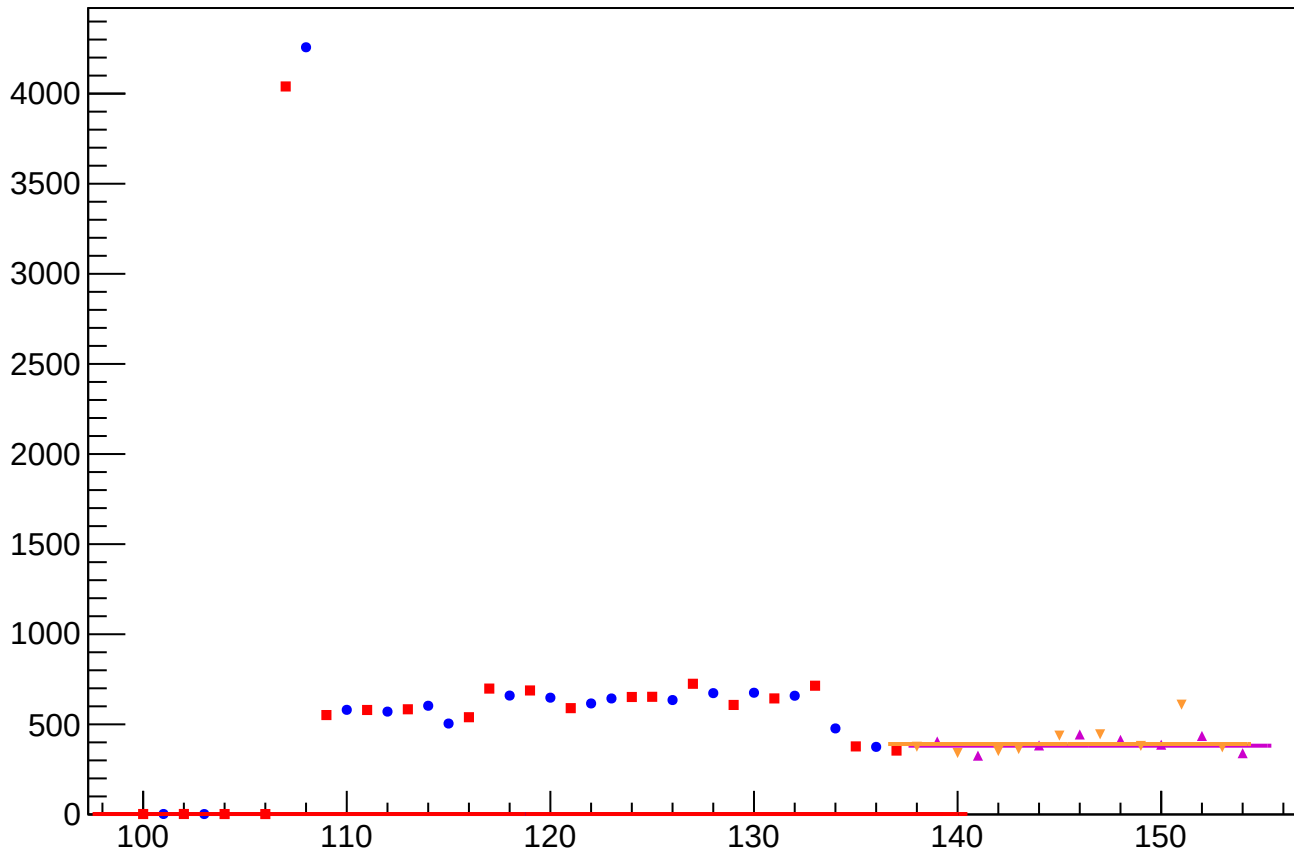
Left In: 115.902 ± 152.452 χ^2/NDF : 4.1/7

-1.588 ± 2.251 χ^2/NDF : 31.3/25

-0.344 ± 1.540 χ^2/NDF : 58.0/53

0.751 ± 2.111 χ^2/NDF : 26.1/27

asym_cav4bQ_rms vs Slug, Sign Corrected



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

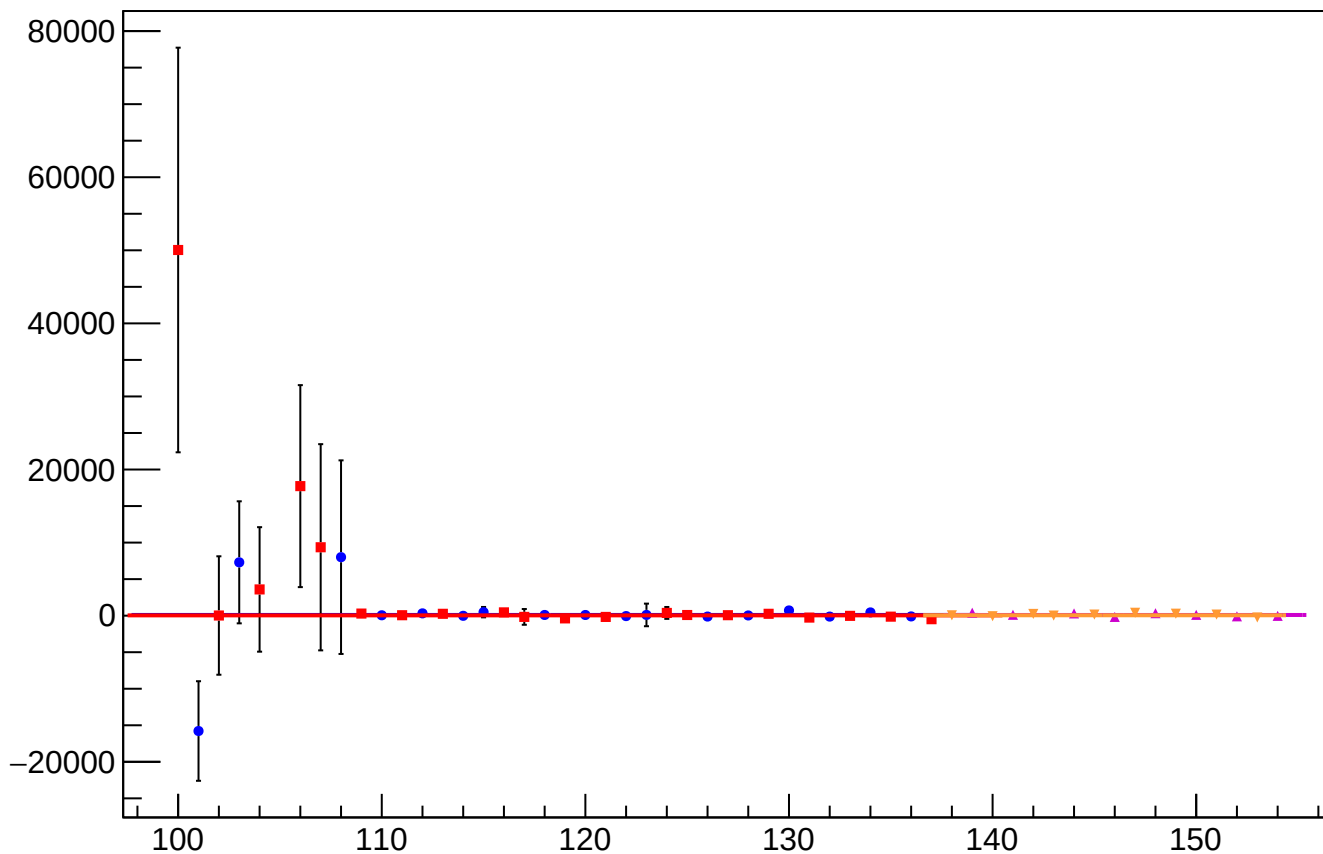
Left In: 381.580+/-0.108 χ^2/NDF : 140326.9/7

2.538+/-0.002 χ^2/NDF : 23679327.6/25

2.523+/-0.001 χ^2/NDF : 47420743.5/53

2.510+/-0.001 χ^2/NDF : 23741242.7/27

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 98.643 $\pm$ 90.860 χ^2/NDF : 11.9/16

Left Out: 54.603 $\pm$ 105.337 χ^2/NDF : 3.5/8

Right Out: 41.024 $\pm$ 84.237 χ^2/NDF : 13.9/19

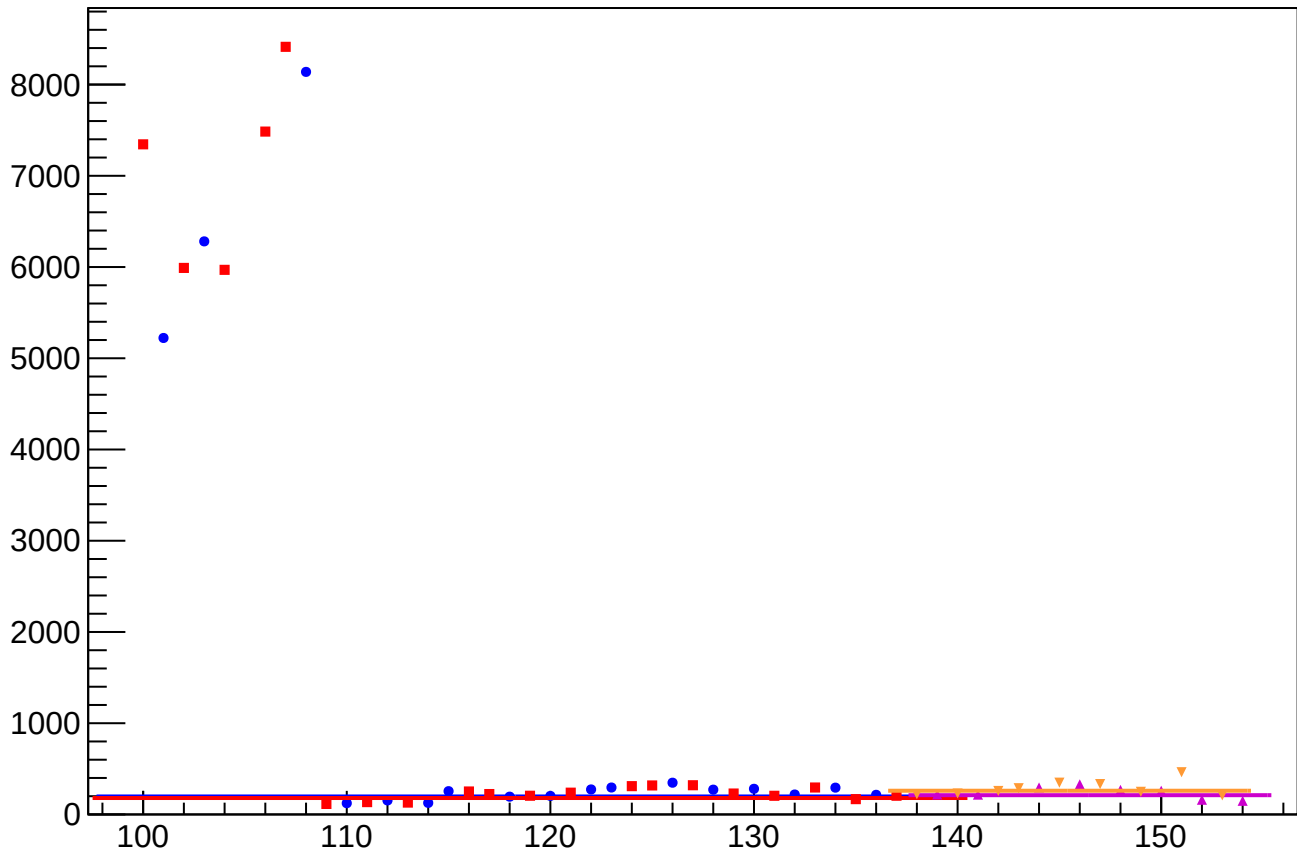
Left In: 94.463 $\pm$ 88.797 χ^2/NDF : 4.1/7

79.855 $\pm$ 68.801 χ^2/NDF : 15.4/25

72.298 $\pm$ 45.691 χ^2/NDF : 33.7/53

66.336 $\pm$ 61.113 χ^2/NDF : 18.2/27

asym_cav4cQ_rms vs Slug, Sign Corrected



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

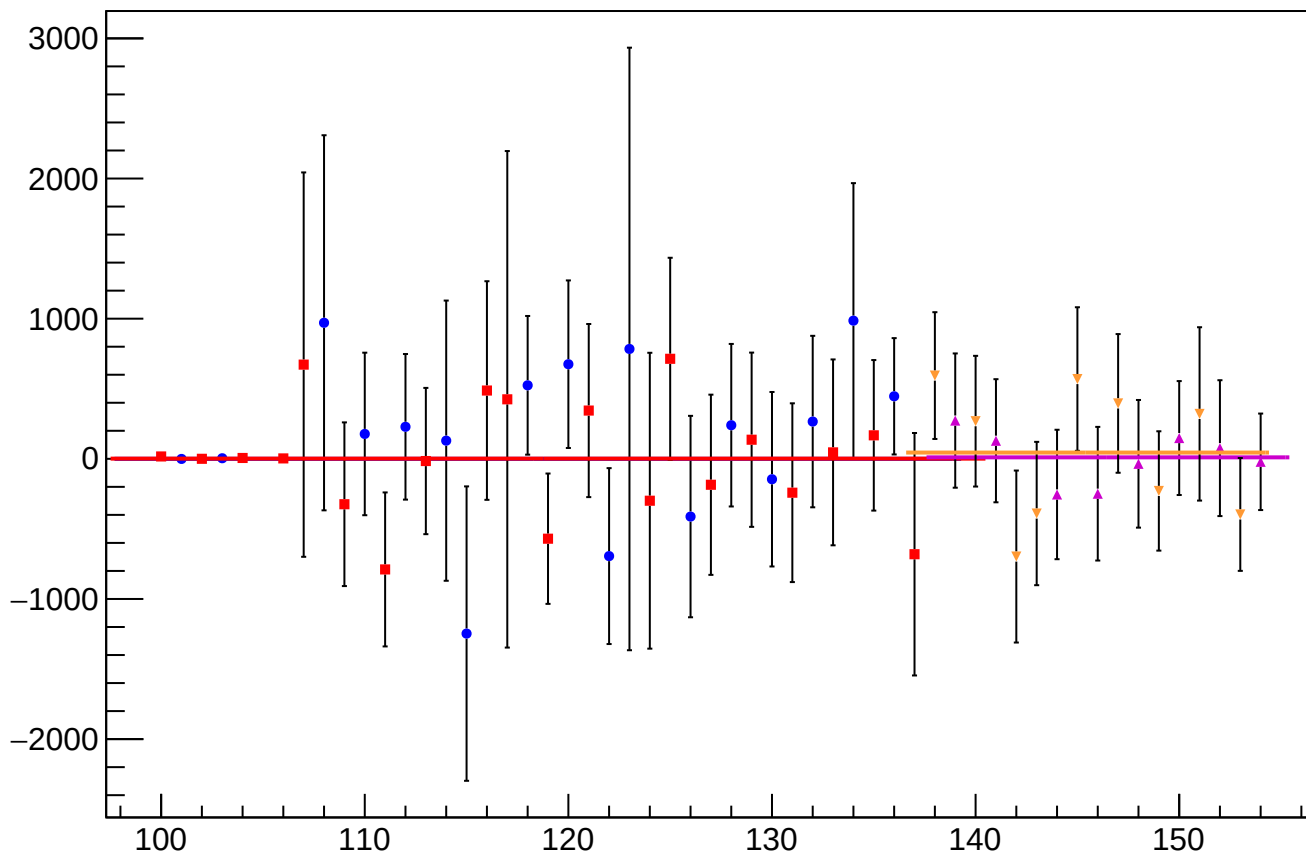
Left In: 211.197+/-0.063 χ^2/NDF : 848317.0/7

223.914+/-0.049 χ^2/NDF : 4745077.8/25

207.691+/-0.032 χ^2/NDF : 10244918.3/53

194.891+/-0.043 χ^2/NDF : 5300903.0/27

asym_cav4dQ_mean vs Slug, Sign Corrected



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

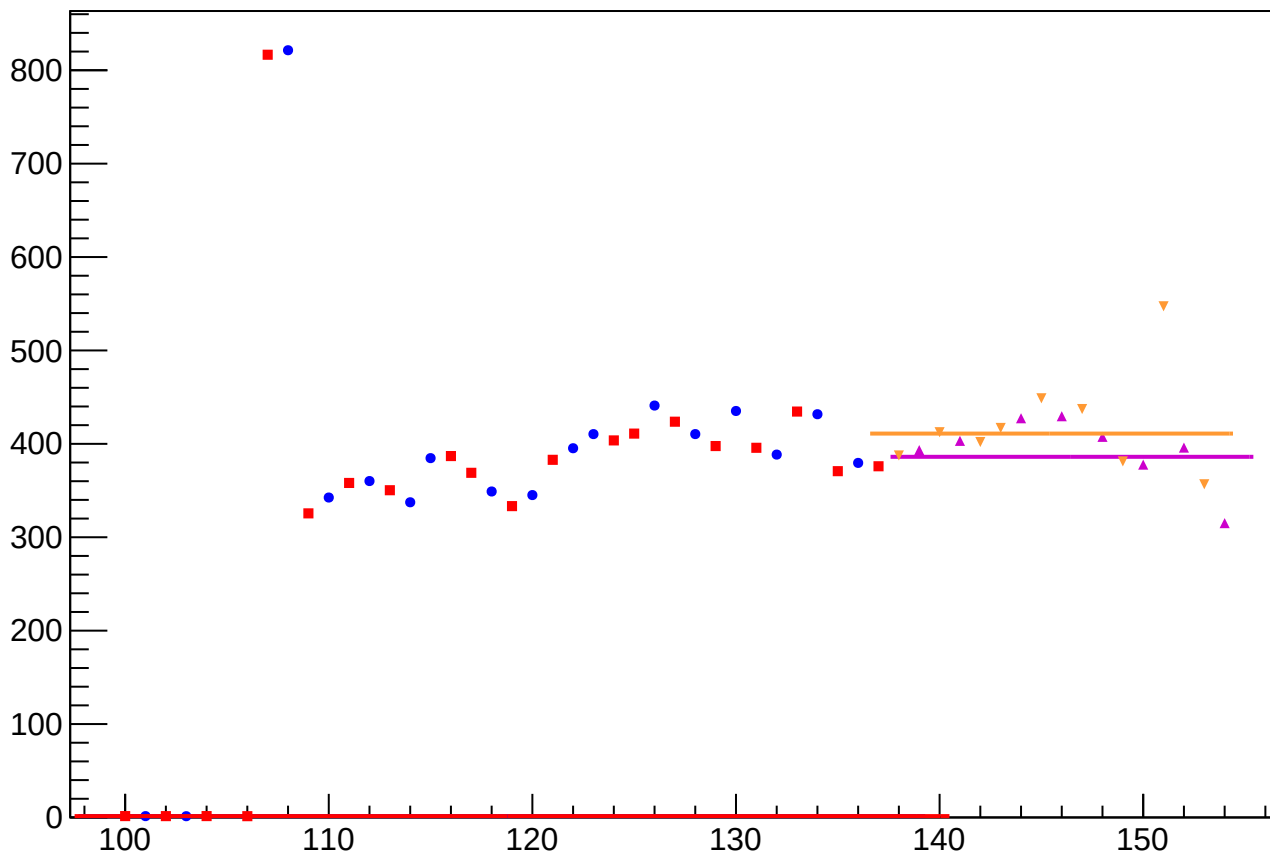
Left In: 10.446 ± 153.944 χ^2/NDF : 1.2/7

-0.133 ± 1.737 χ^2/NDF : 17.1/25

0.645 ± 1.186 χ^2/NDF : 28.3/53

1.325 ± 1.622 χ^2/NDF : 10.8/27

asym_cav4dQ_rms vs Slug, Sign Corrected



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

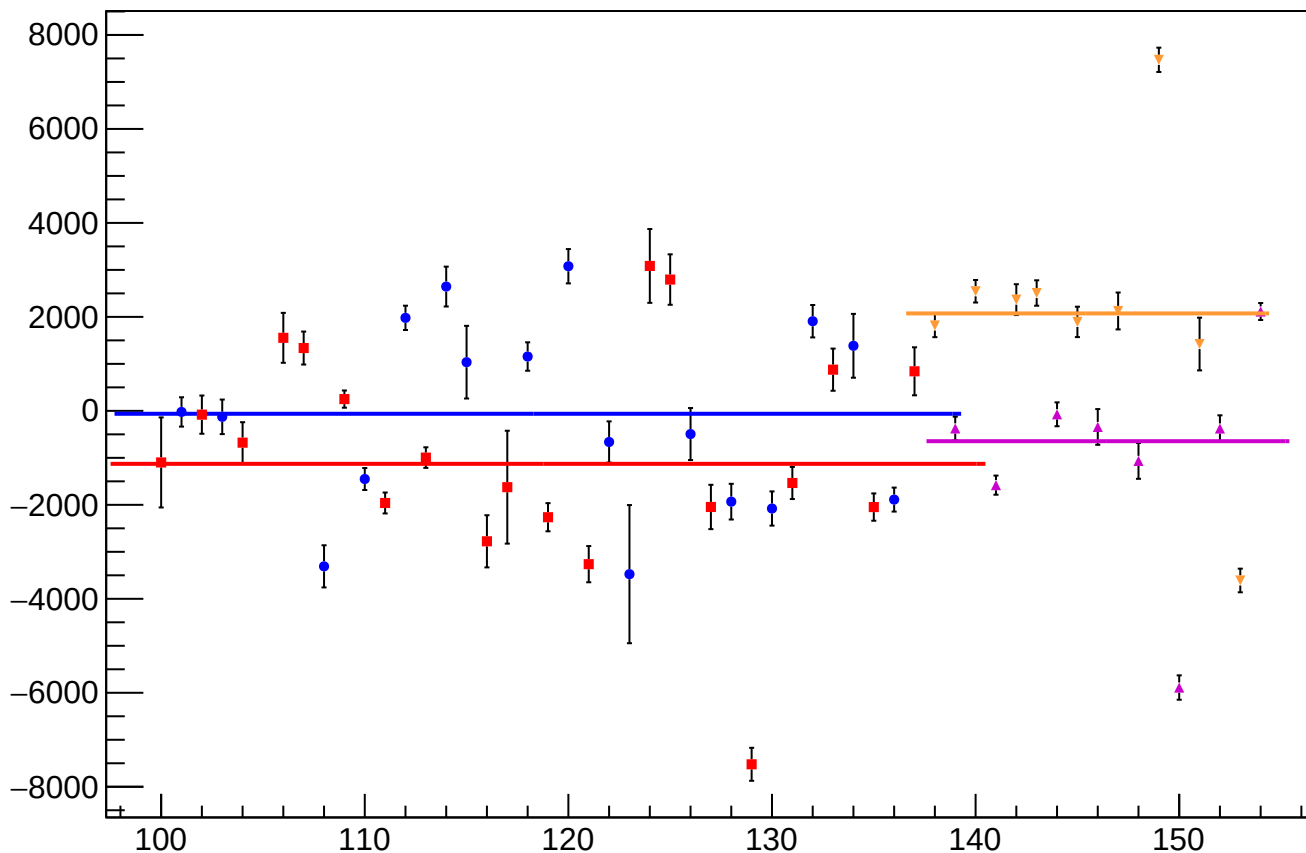
Left In: 386.122+/-0.109 χ^2/NDF : 127232.1/7

1.500+/-0.001 χ^2/NDF : 23923526.6/25

1.497+/-0.001 χ^2/NDF : 47503976.2/53

1.494+/-0.001 χ^2/NDF : 23580437.4/27

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -62.164 ± 87.424 χ^2/NDF : 433.9/16

Left Out: 2073.624 ± 96.862 χ^2/NDF : 955.9/8

Right Out: -1127.552 ± 78.203 χ^2/NDF : 671.4/19

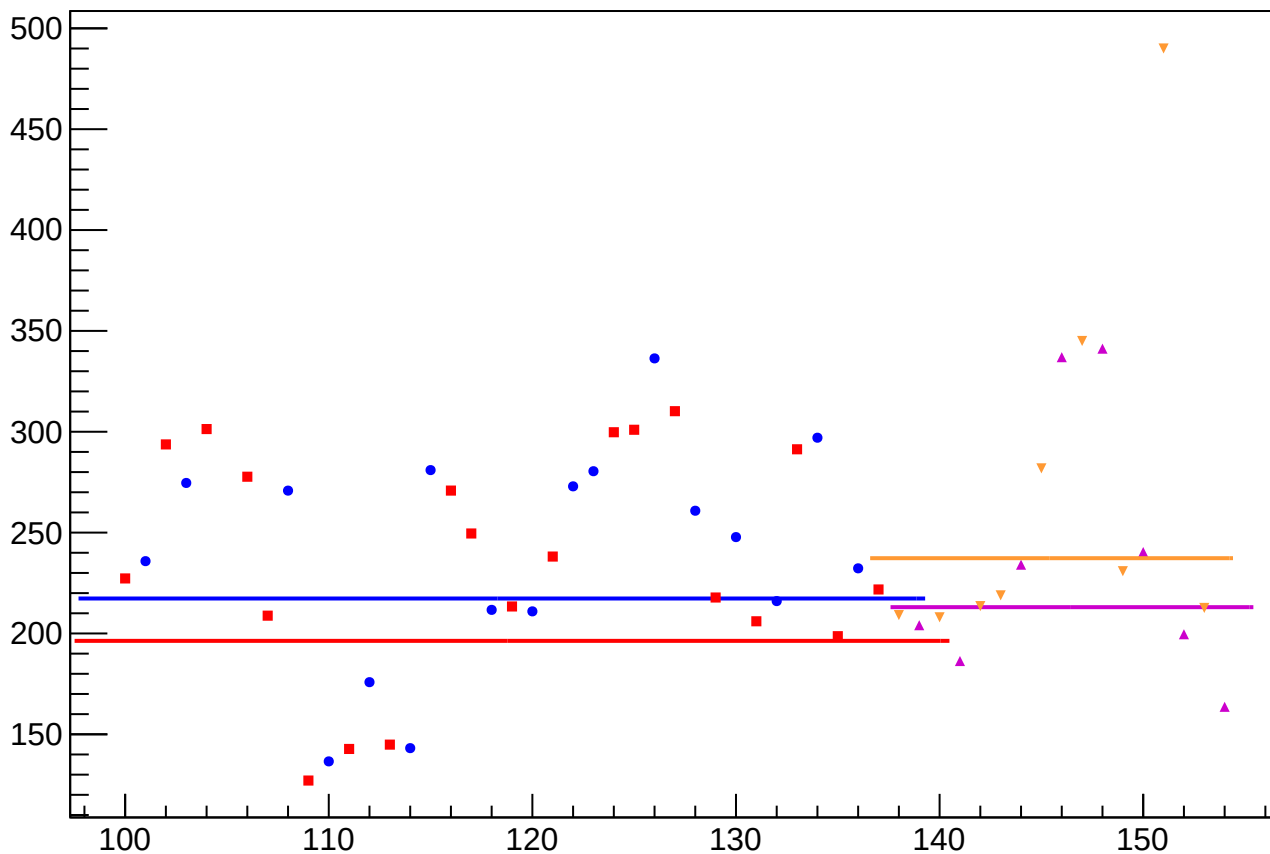
Left In: -645.586 ± 88.557 χ^2/NDF : 671.9/7

896.632 ± 64.899 χ^2/NDF : 1657.7/25

-101.819 ± 43.501 χ^2/NDF : 3447.5/53

-916.378 ± 58.619 χ^2/NDF : 1359.9/27

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.330 $\pm$ 0.062 χ^2/NDF : 652722.5/16

Left Out: 237.315 $\pm$ 0.068 χ^2/NDF : 690292.7/8

Right Out: 196.332 $\pm$ 0.055 χ^2/NDF : 1194678.0/19

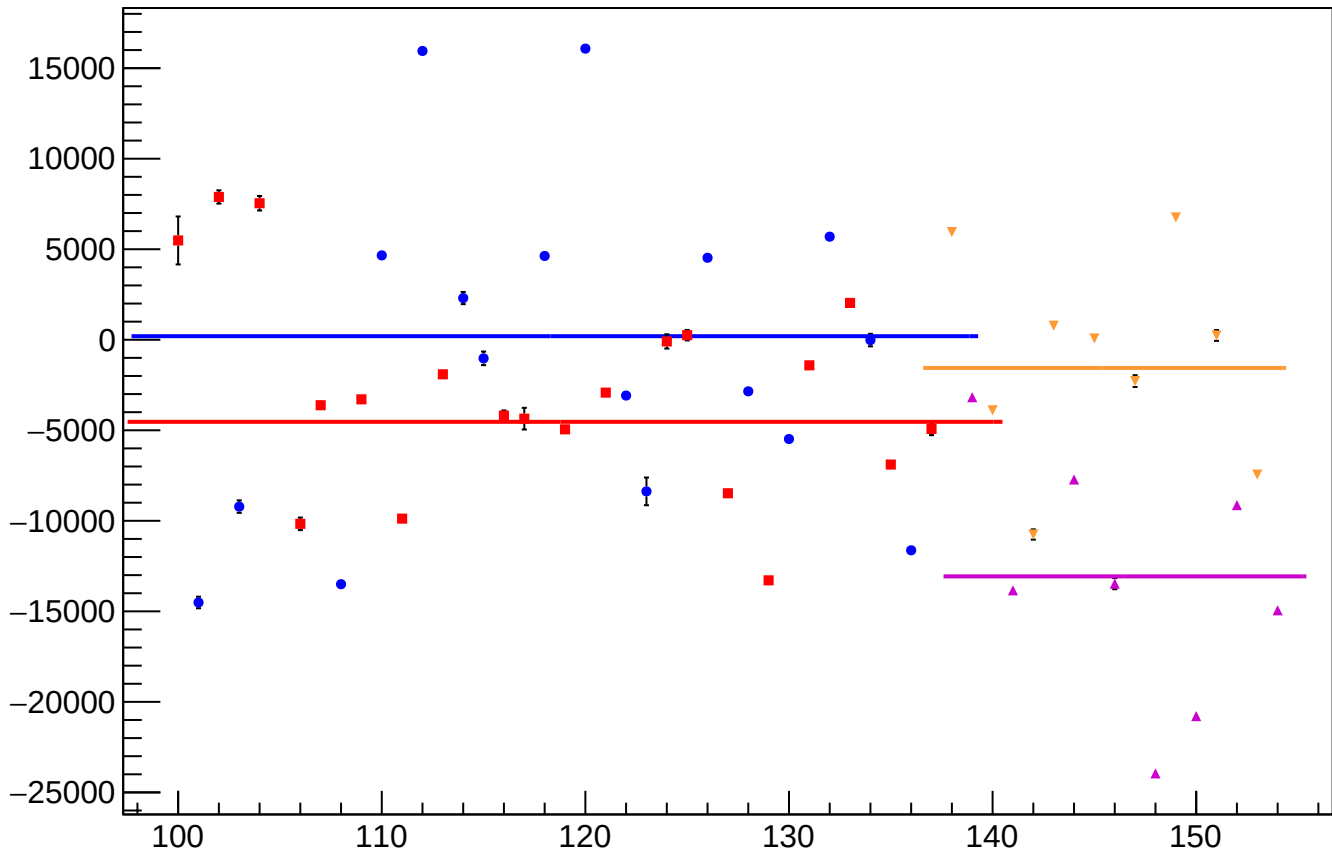
Left In: 213.034 $\pm$ 0.063 χ^2/NDF : 665311.4/7

226.302 $\pm$ 0.046 χ^2/NDF : 1389935.4/25

213.827 $\pm$ 0.031 χ^2/NDF : 3424076.0/53

203.650 $\pm$ 0.041 χ^2/NDF : 1899959.9/27

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 197.008 $\pm$ 54.799 χ^2 /NDF: 30658.3/16

Left Out: -1555.864 $\pm$ 75.304 χ^2 /NDF: 5739.6/8

Right Out: -4532.856 $\pm$ 52.261 χ^2 /NDF: 7477.3/19

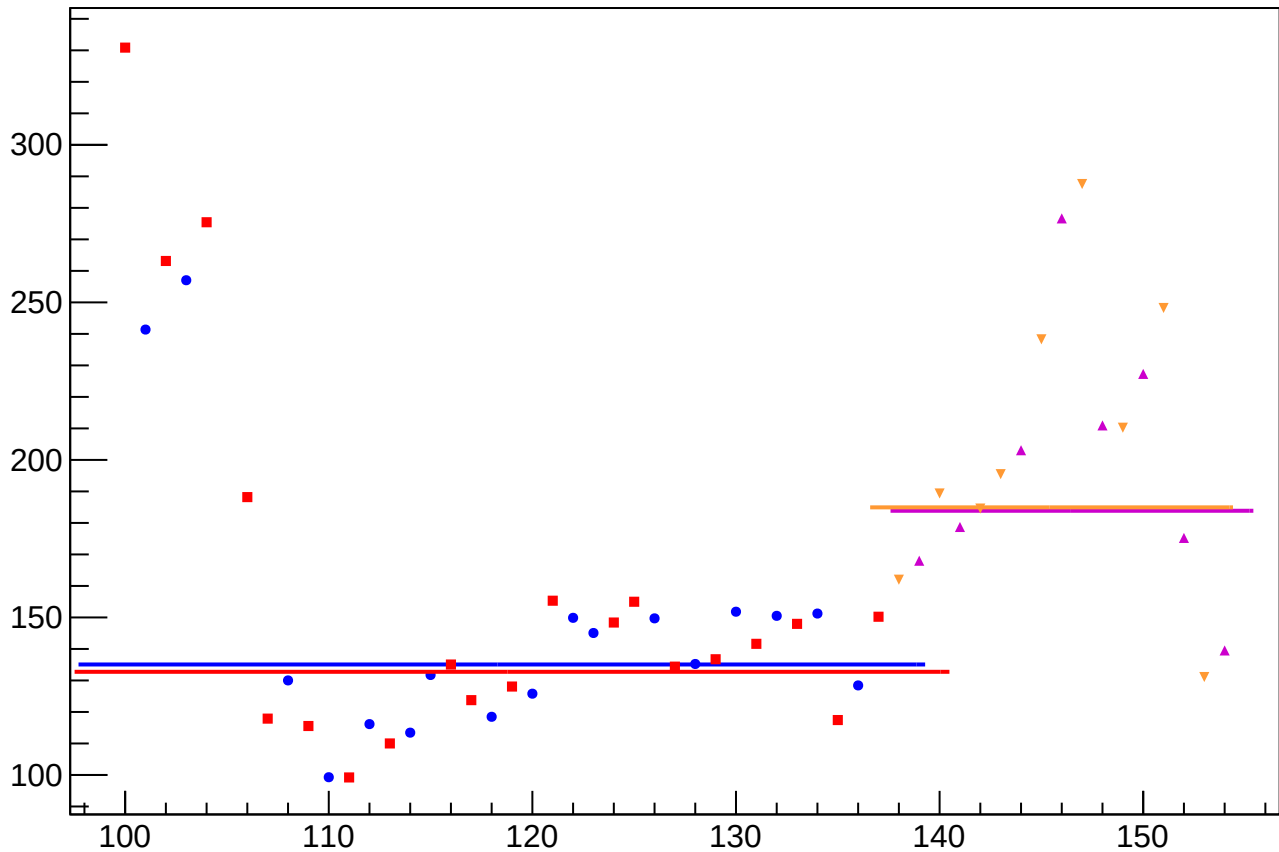
Left In: -13069.433 $\pm$ 75.528 χ^2 /NDF: 6318.6/7

-409.858 $\pm$ 44.309 χ^2 /NDF: 36752.1/25

-3958.398 $\pm$ 30.849 χ^2 /NDF: 71634.6/53

-7296.717 $\pm$ 42.976 χ^2 /NDF: 22434.6/27

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 184.940 $\pm$ 0.053 χ^2 /NDF: 685147.0/8

Right Out: 132.747 $\pm$ 0.037 χ^2 /NDF: 831647.2/19

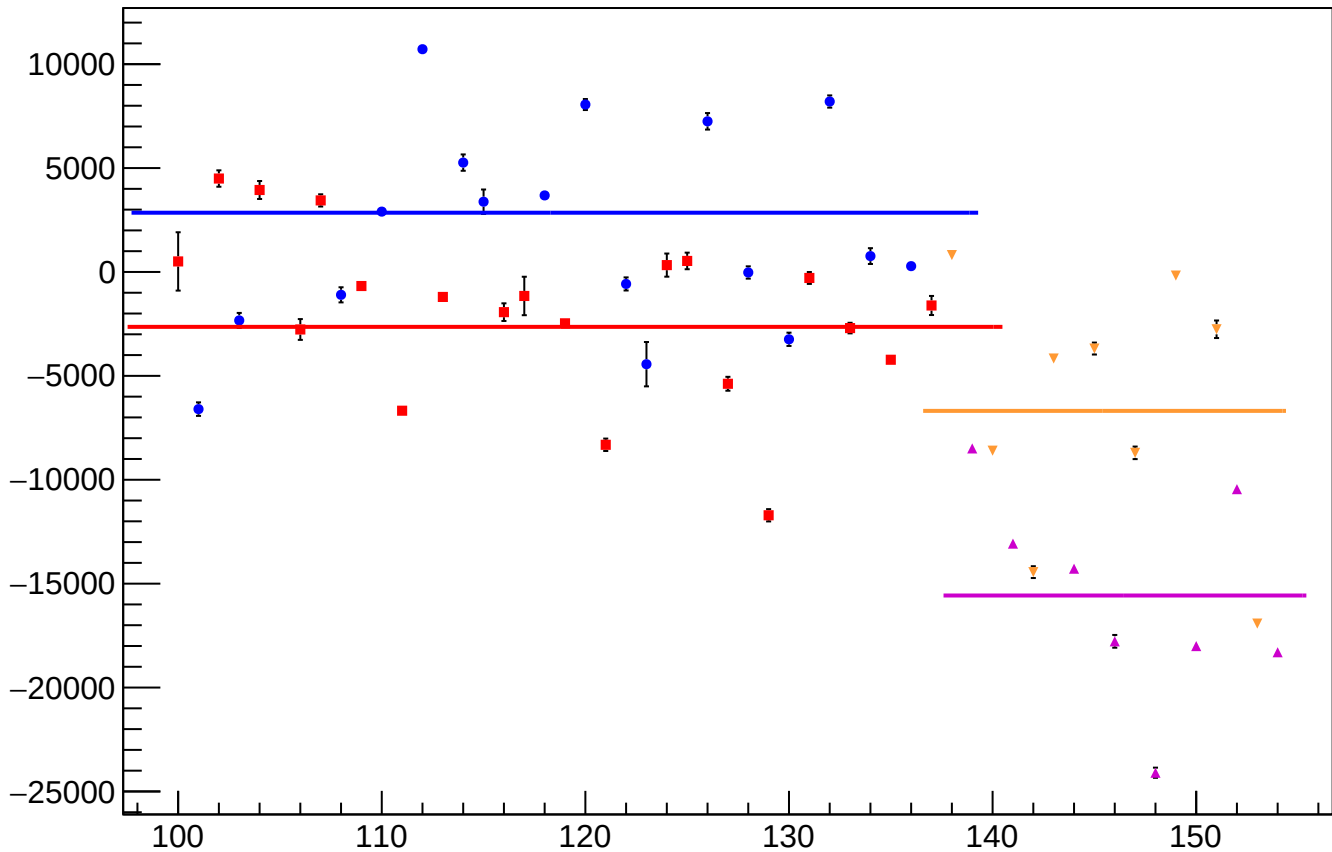
Left In: 183.862 $\pm$ 0.053 χ^2 /NDF: 468650.5/7

152.337 $\pm$ 0.031 χ^2 /NDF: 1917278.5/25

150.770 $\pm$ 0.022 χ^2 /NDF: 3841865.4/53

149.296 $\pm$ 0.030 χ^2 /NDF: 1919734.6/27

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2851.437 $\pm$ 70.753 χ^2 /NDF: 4178.1/16

Left Out: -6685.300 $\pm$ 81.558 χ^2 /NDF:6127.2/8

Right Out: -2641.642 $\pm$ 65.566 χ^2 /NDF: 3178.3/19

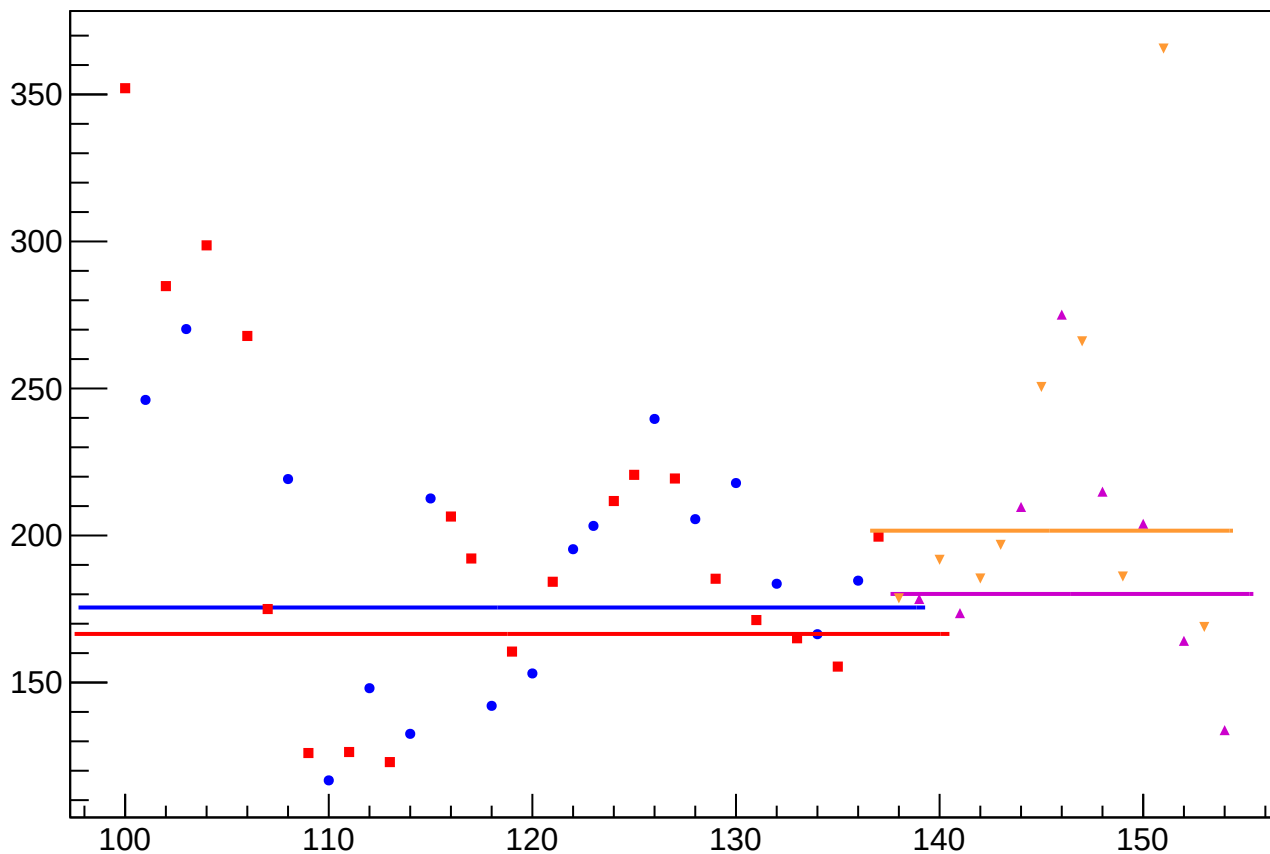
Left In: -15570.196 $\pm$ 74.245 χ^2 /NDF:3498.3/7

-1243.806 $\pm$ 53.445 χ^2 /NDF: 18107.0/25

-5070.553 $\pm$ 36.176 χ^2 /NDF: 51281.9/53

-8306.373 $\pm$ 49.145 χ^2 /NDF: 23712.9/27

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 201.637 $\pm$ 0.058 χ^2 /NDF: 552158.6/8

Right Out: 166.522 $\pm$ 0.046 χ^2 /NDF: 931079.9/19

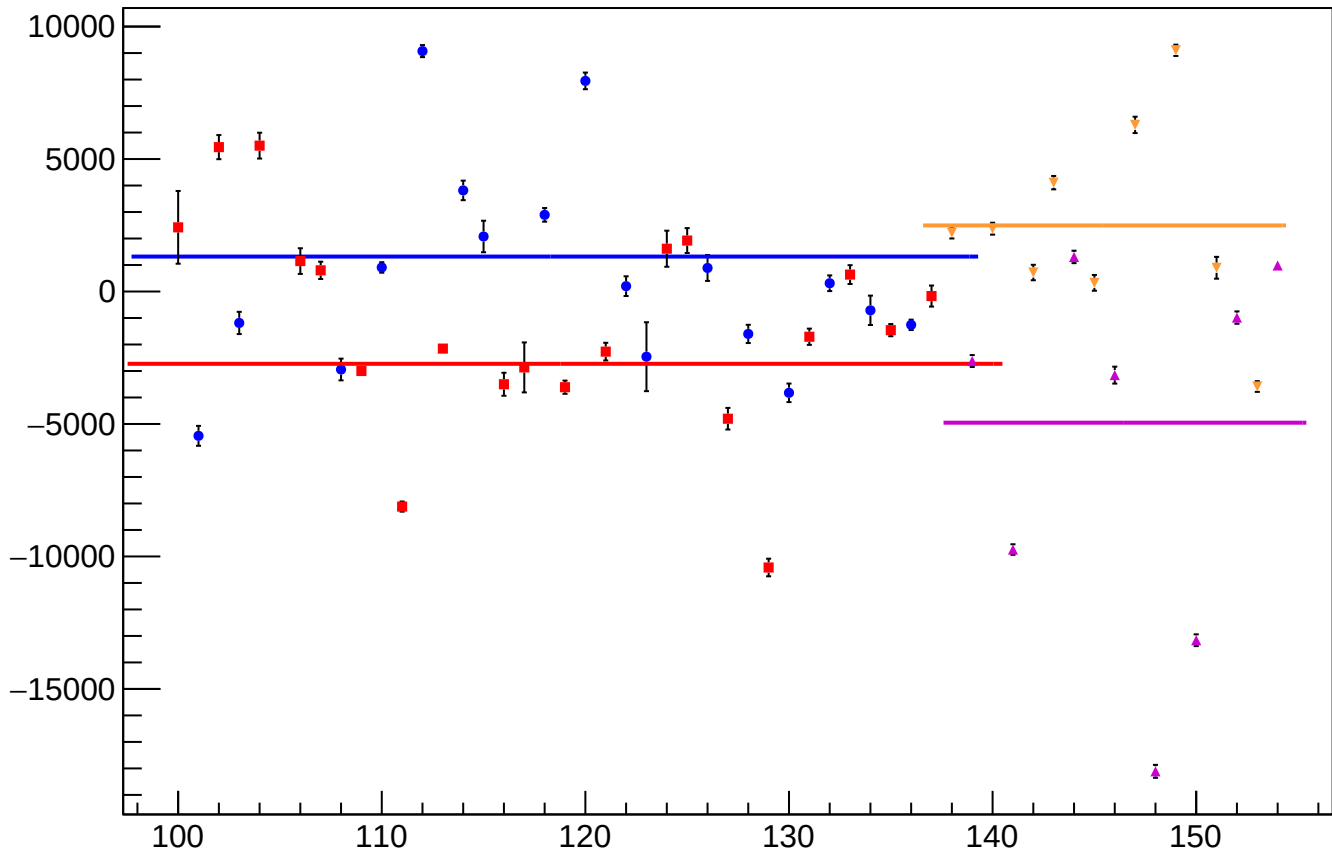
Left In: 180.122 $\pm$ 0.052 χ^2 /NDF: 498954.0/7

186.732 $\pm$ 0.038 χ^2 /NDF: 1358875.5/25

179.010 $\pm$ 0.026 χ^2 /NDF: 2903660.2/53

172.481 $\pm$ 0.035 χ^2 /NDF: 1467736.6/27

asym_bpm0i05WS_mean vs Slug, Sign Corrected



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

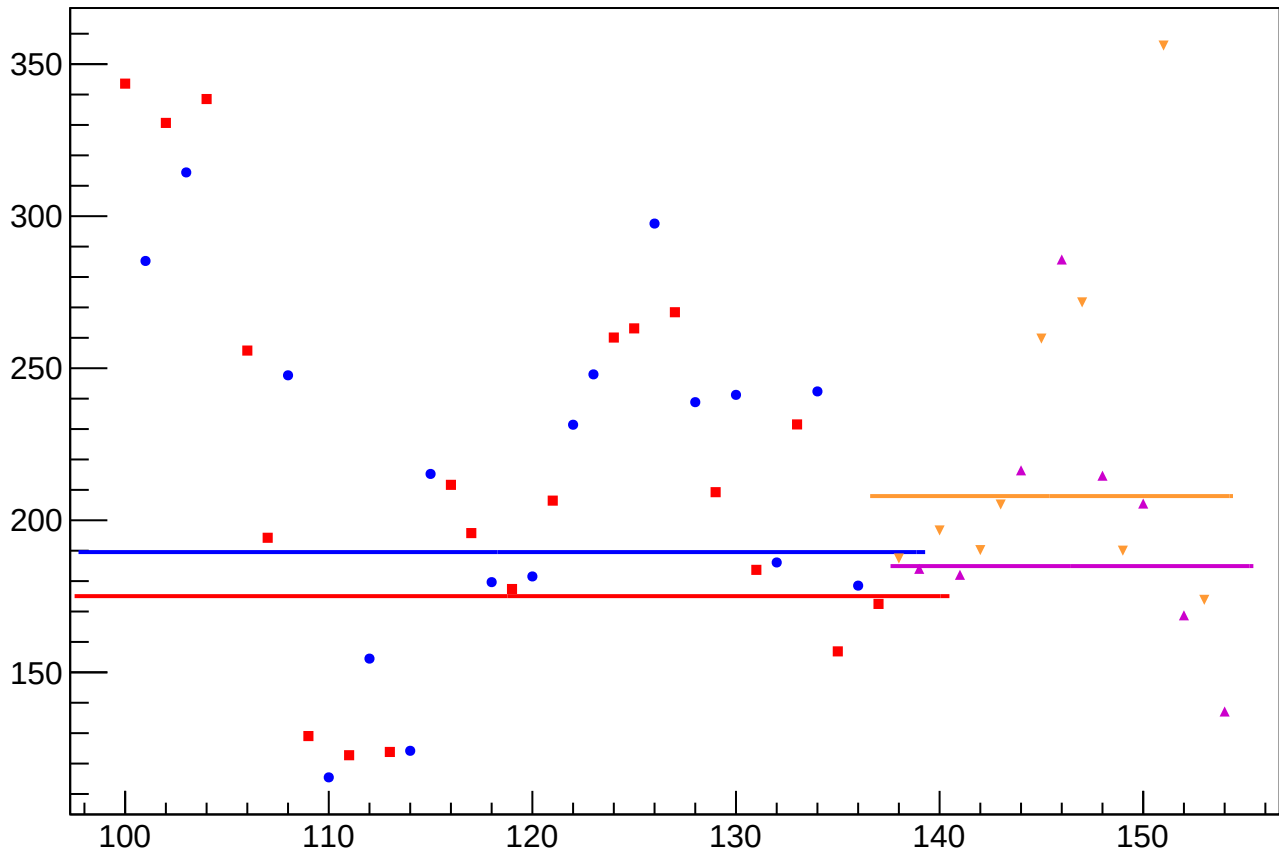
Left In: -4951.227+/-76.261 χ^2/NDF : 7530.1/7

1856.317+/-56.820 χ^2/NDF : 4933.4/25

-1217.114+/-38.160 χ^2/NDF : 20751.2/53

-3742.334+/-51.504 χ^2/NDF : 10488.1/27

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 207.960 $\pm$ 0.059 χ^2 /NDF: 504745.7/8

Right Out: 175.058 $\pm$ 0.049 χ^2 /NDF: 1298079.7/19

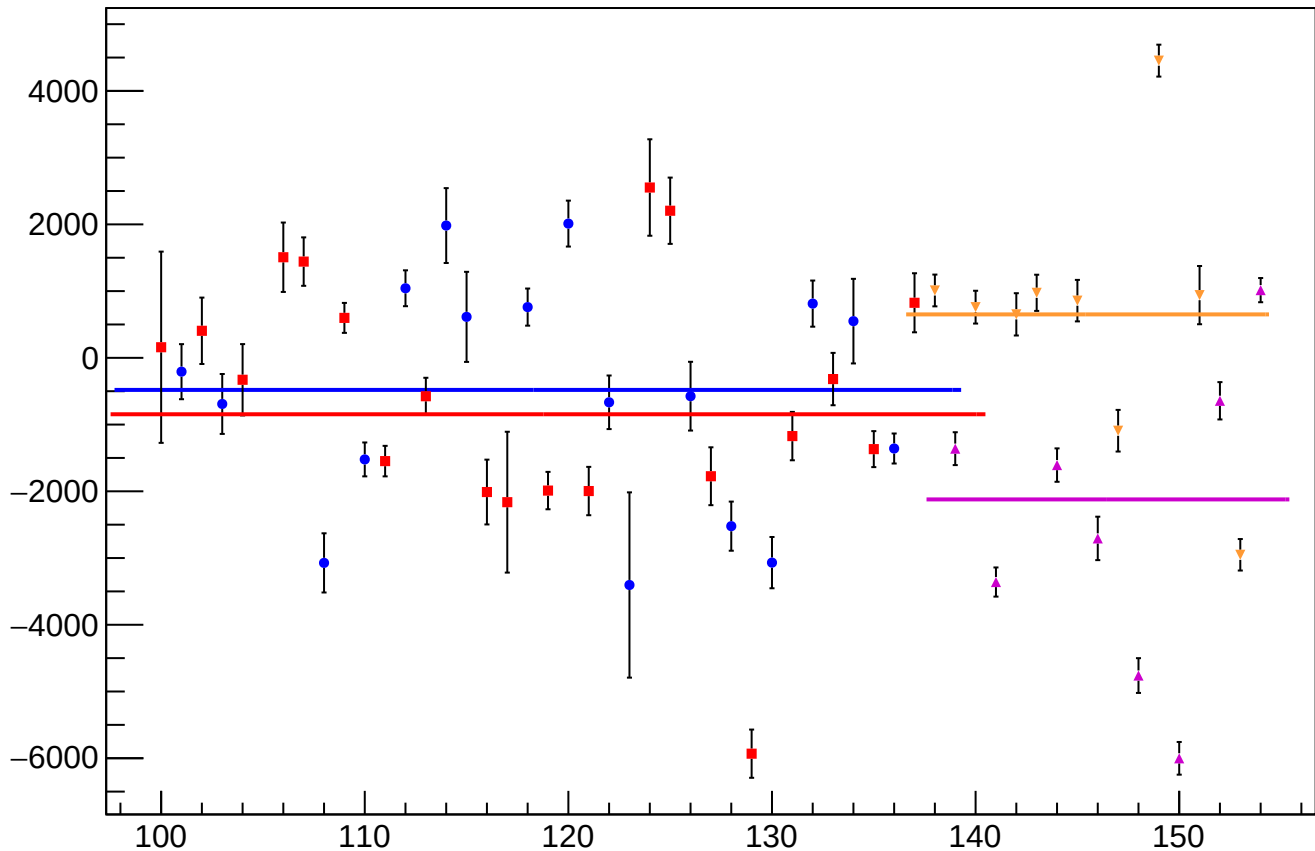
Left In: 184.939 $\pm$ 0.054 χ^2 /NDF: 491643.1/7

197.970 $\pm$ 0.040 χ^2 /NDF: 1537631.7/25

187.866 $\pm$ 0.027 χ^2 /NDF: 3460812.9/53

179.565 $\pm$ 0.036 χ^2 /NDF: 1807982.9/27

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -480.578 ± 88.640 $\chi^2/\text{NDF}: 290.7/16$

Left Out: 651.018 ± 91.652 $\chi^2/\text{NDF}: 521.5/8$

Right Out: -845.444 ± 81.995 $\chi^2/\text{NDF}: 436.9/19$

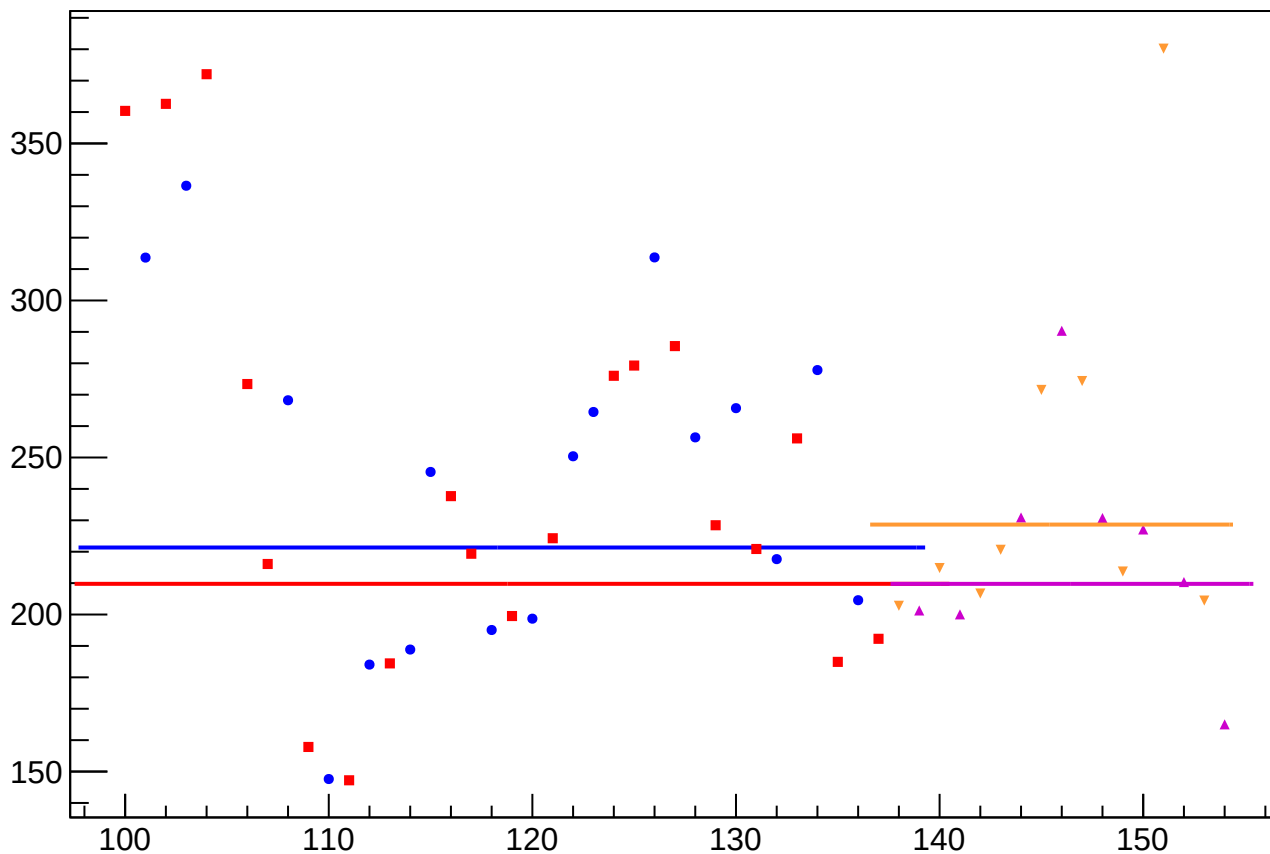
Left In: -2121.523 ± 85.304 $\chi^2/\text{NDF}: 729.6/7$

66.324 ± 63.716 $\chi^2/\text{NDF}: 891.0/25$

-753.002 ± 43.336 $\chi^2/\text{NDF}: 2481.4/53$

-1458.250 ± 59.114 $\chi^2/\text{NDF}: 1282.8/27$

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 228.645 $\pm$ 0.065 χ^2 /NDF: 392354.8/8

Right Out: 209.775 $\pm$ 0.058 χ^2 /NDF: 884083.7/19

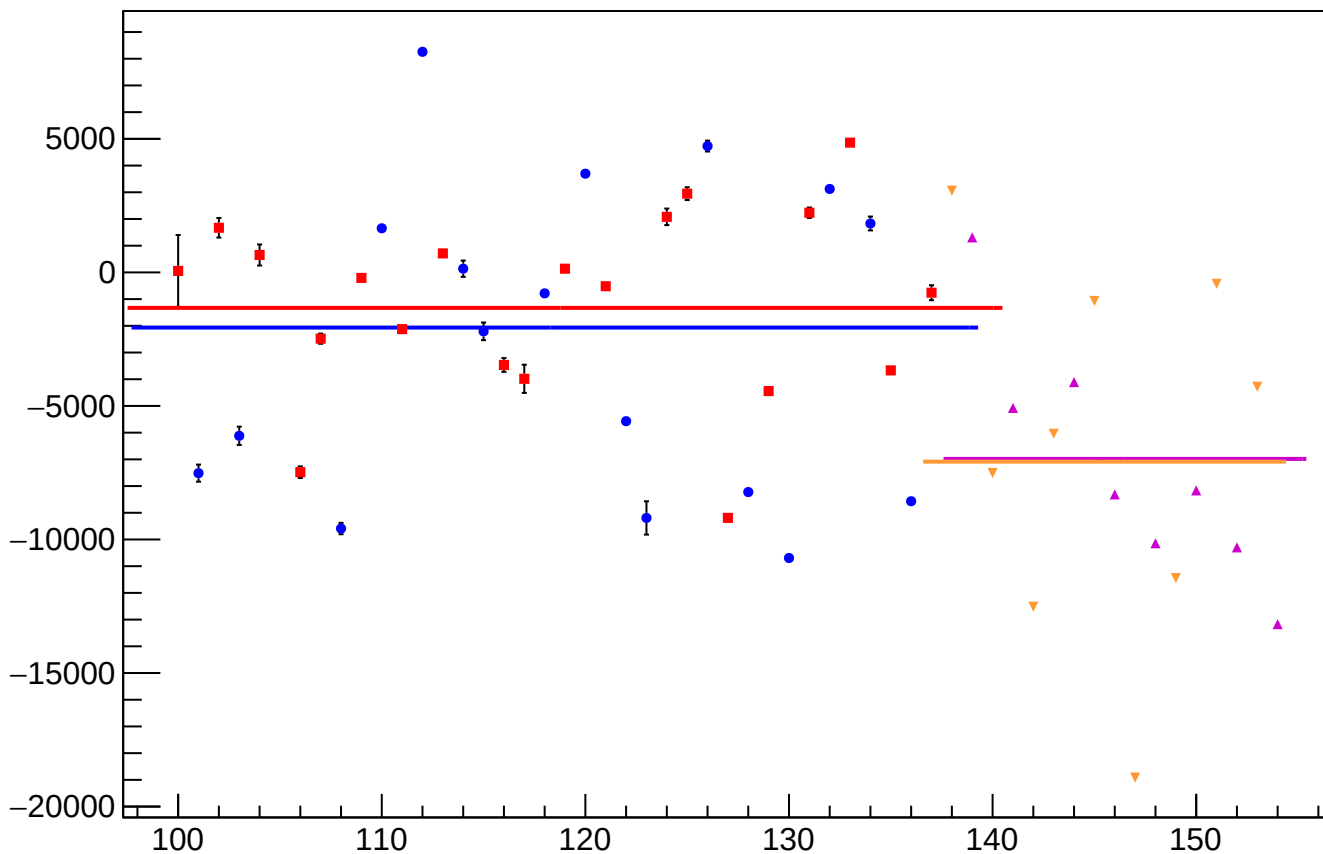
Left In: 209.764 $\pm$ 0.060 χ^2 /NDF: 287882.0/7

224.872 $\pm$ 0.045 χ^2 /NDF: 1044603.9/25

216.756 $\pm$ 0.031 χ^2 /NDF: 2276949.9/53

209.770 $\pm$ 0.042 χ^2 /NDF: 1171965.7/27

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.160+/-47.322 χ^2/NDF : 16533.3/16

Left Out: -7086.240+/-44.415 χ^2/NDF : 22603.5/8

Right Out: -1327.819+/-44.838 χ^2/NDF : 5919.9/19

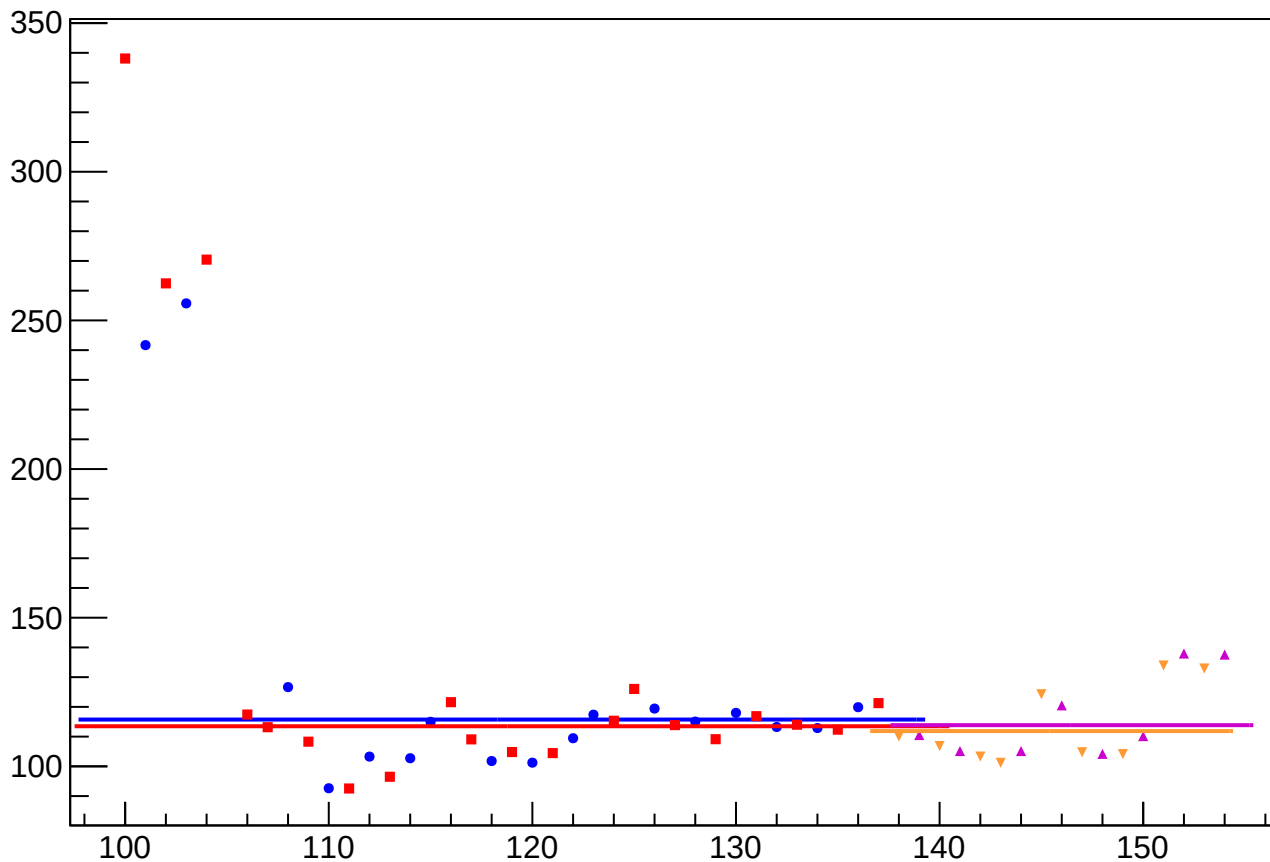
Left In: -6982.761+/-45.245 χ^2/NDF : 7637.2/7

-4734.652+/-32.385 χ^2/NDF : 45122.3/25

-4427.141+/-22.708 χ^2/NDF : 66737.7/53

-4129.739+/-31.848 χ^2/NDF : 21438.1/27

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 ± 0.033 $\chi^2/\text{NDF}: 744017.7/16$

Left Out: 111.864 ± 0.031 $\chi^2/\text{NDF}: 137245.5/8$

Right Out: 113.487 ± 0.032 $\chi^2/\text{NDF}: 796781.7/19$

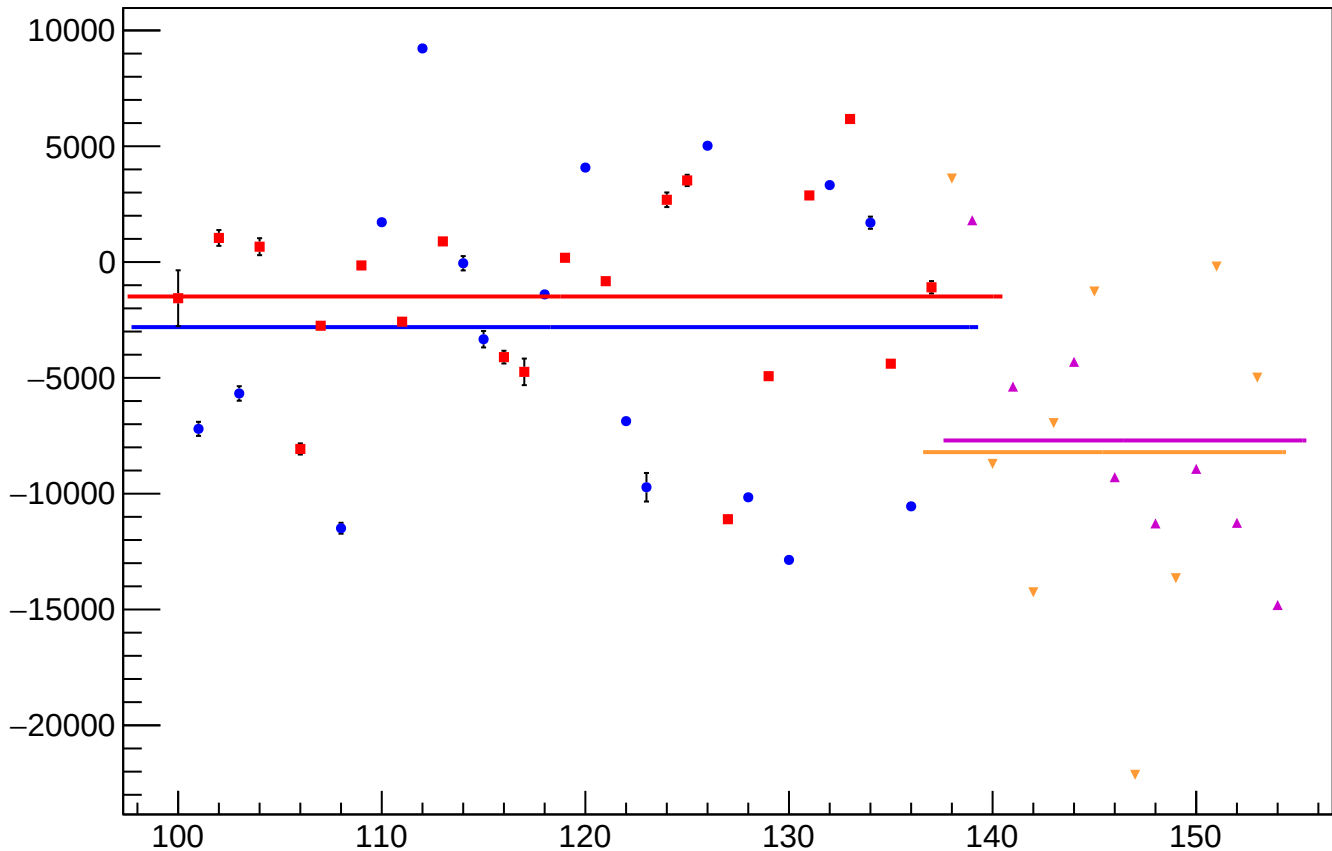
Left In: 113.850 ± 0.032 $\chi^2/\text{NDF}: 143763.8/7$

113.680 ± 0.023 $\chi^2/\text{NDF}: 888398.9/25$

113.673 ± 0.016 $\chi^2/\text{NDF}: 1829009.7/53$

113.667 ± 0.023 $\chi^2/\text{NDF}: 940610.7/27$

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2809.101+/-48.284 $\chi^2/\text{NDF}: 21263.1/16$

Left Out: -8206.540+/-47.729 $\chi^2/\text{NDF}: 26871.4/8$

Right Out: -1486.369+/-46.243 $\chi^2/\text{NDF}: 8037.1/19$

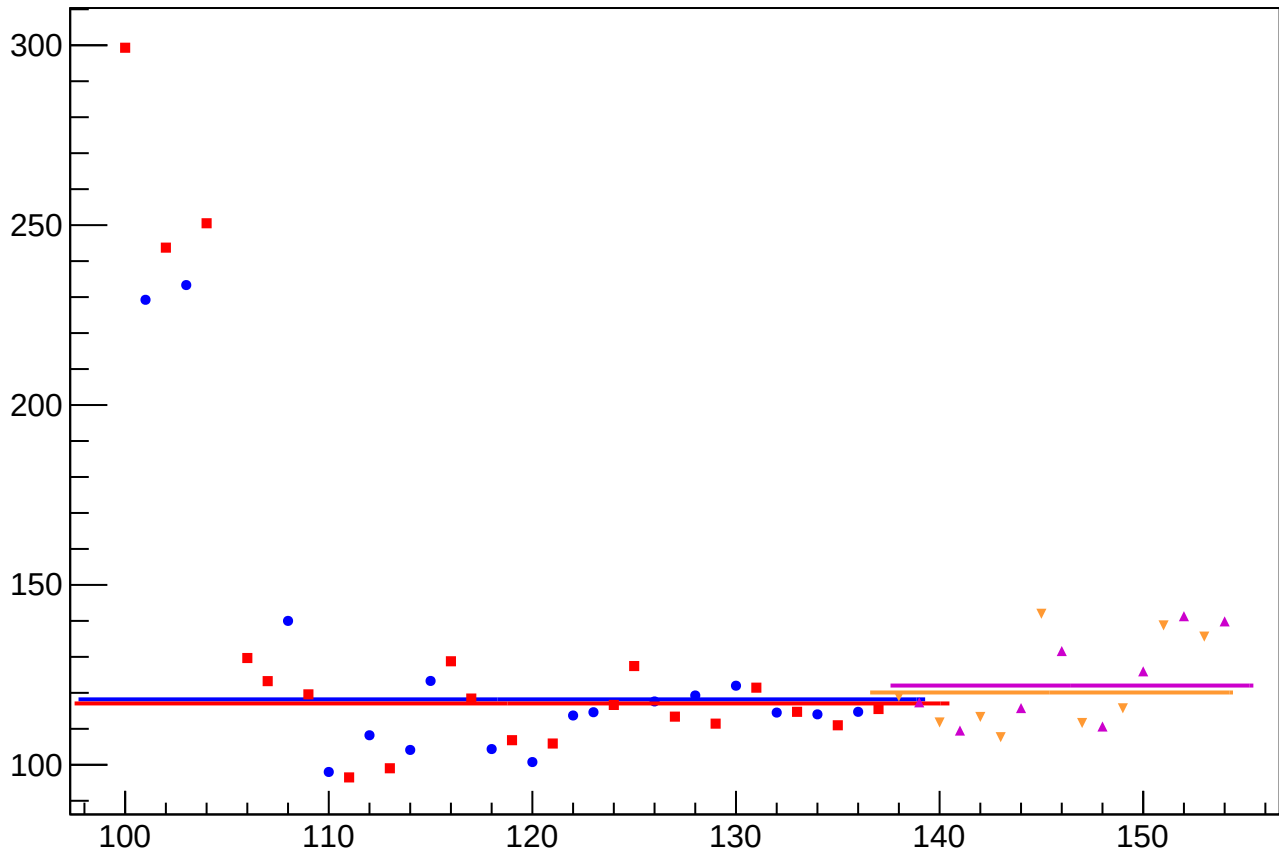
Left In: -7701.947+/-48.490 $\chi^2/\text{NDF}: 9018.4/7$

-5539.046+/-33.944 $\chi^2/\text{NDF}: 54454.7/25$

-4985.177+/-23.831 $\chi^2/\text{NDF}: 80640.1/53$

-4446.831+/-33.465 $\chi^2/\text{NDF}: 25660.3/27$

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.188 $\pm$ 0.034 χ^2 /NDF: 636252.0/16

Left Out: 120.100+/-0.034 χ^2/NDF :124341.2/8

Right Out: 117.054 ± 0.033 χ^2/NDF : 690646.8/19

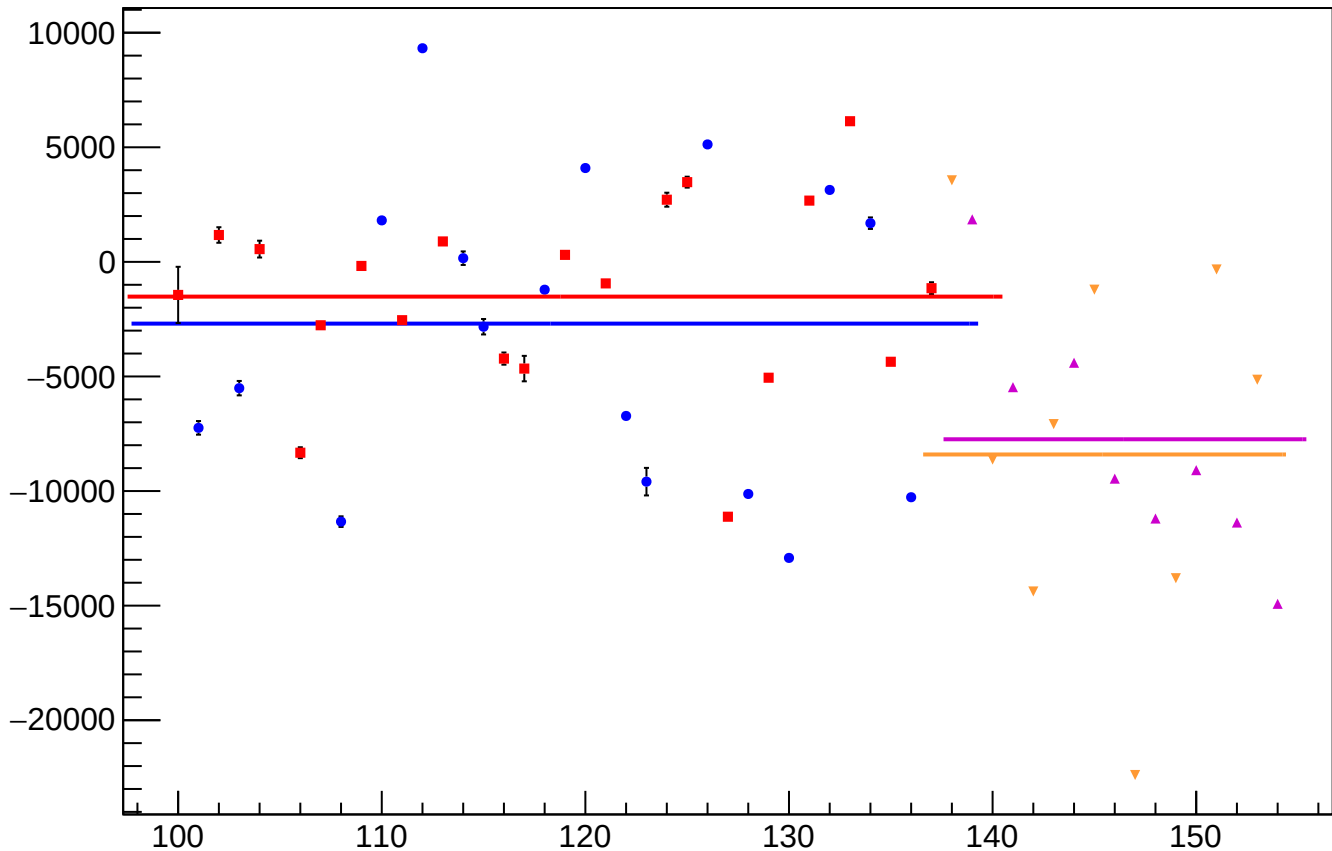
Left In: 122.029+/-0.034 χ^2/NDF :112686.6/7

119.155+/-0.024 χ^2/NDF : 762179.9/25

119.291 $\pm$ 0.017 χ^2 /NDF: 1576598.4/53

119.424 $\pm$ 0.024 χ^2 /NDF: 814355.1/27

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2694.260+/-46.347 χ^2 /NDF: 22860.3/16

Left Out: -8404.050+/-46.288 χ^2 /NDF:29500.4/8

Right Out: -1515.863+/-44.303 χ^2 /NDF: 8749.3/19

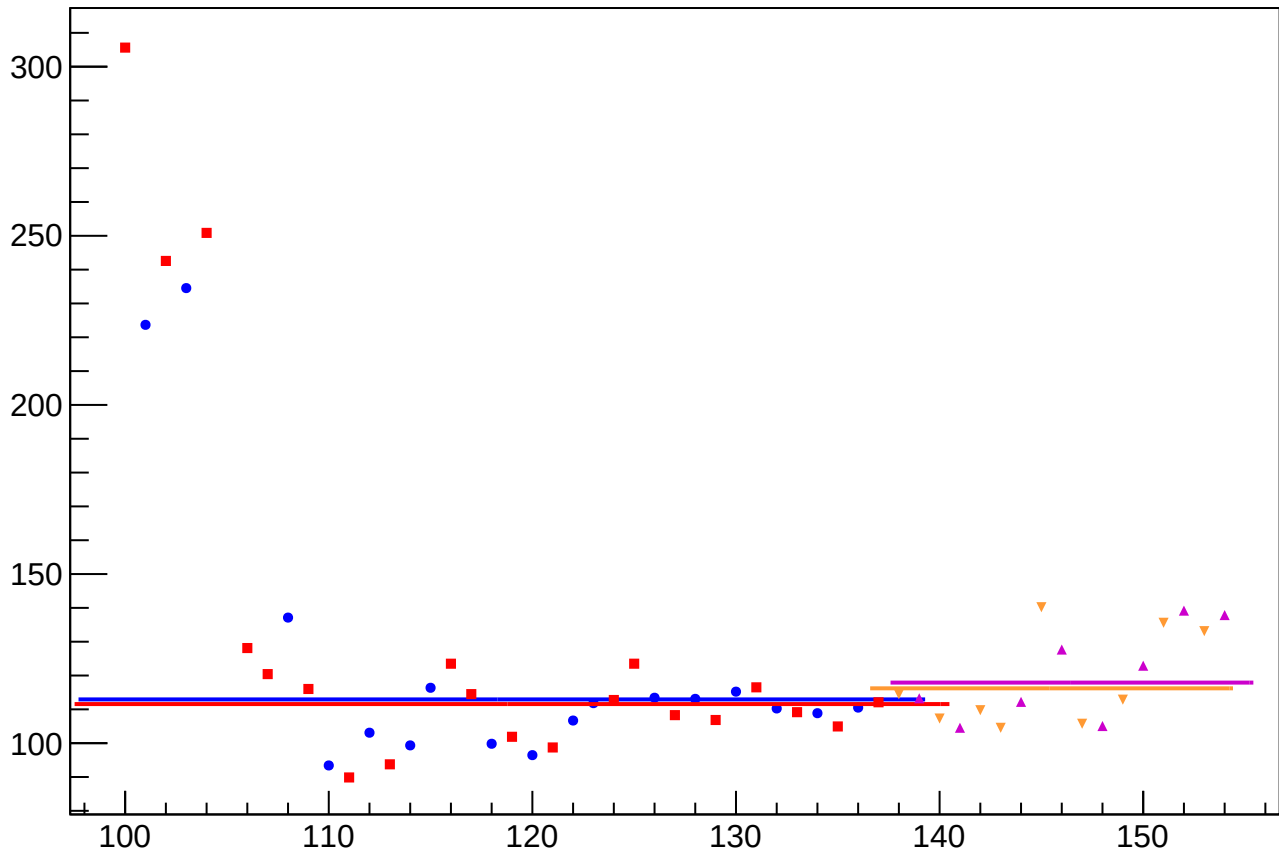
Left In: -7740.920+/-46.973 χ^2 /NDF:9662.2/7

-5552.781+/-32.752 χ^2 /NDF: 59959.0/25

-4990.738+/-22.972 χ^2 /NDF: 88244.9/53

-4446.469+/-32.230 χ^2 /NDF: 27706.2/27

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 112.940+/-0.033 χ^2/NDF : 680283.1/16

Left Out: 116.213+/-0.033 χ^2/NDF :146851.5/8

Right Out: 111.562+/-0.031 χ^2/NDF : 765559.1/19

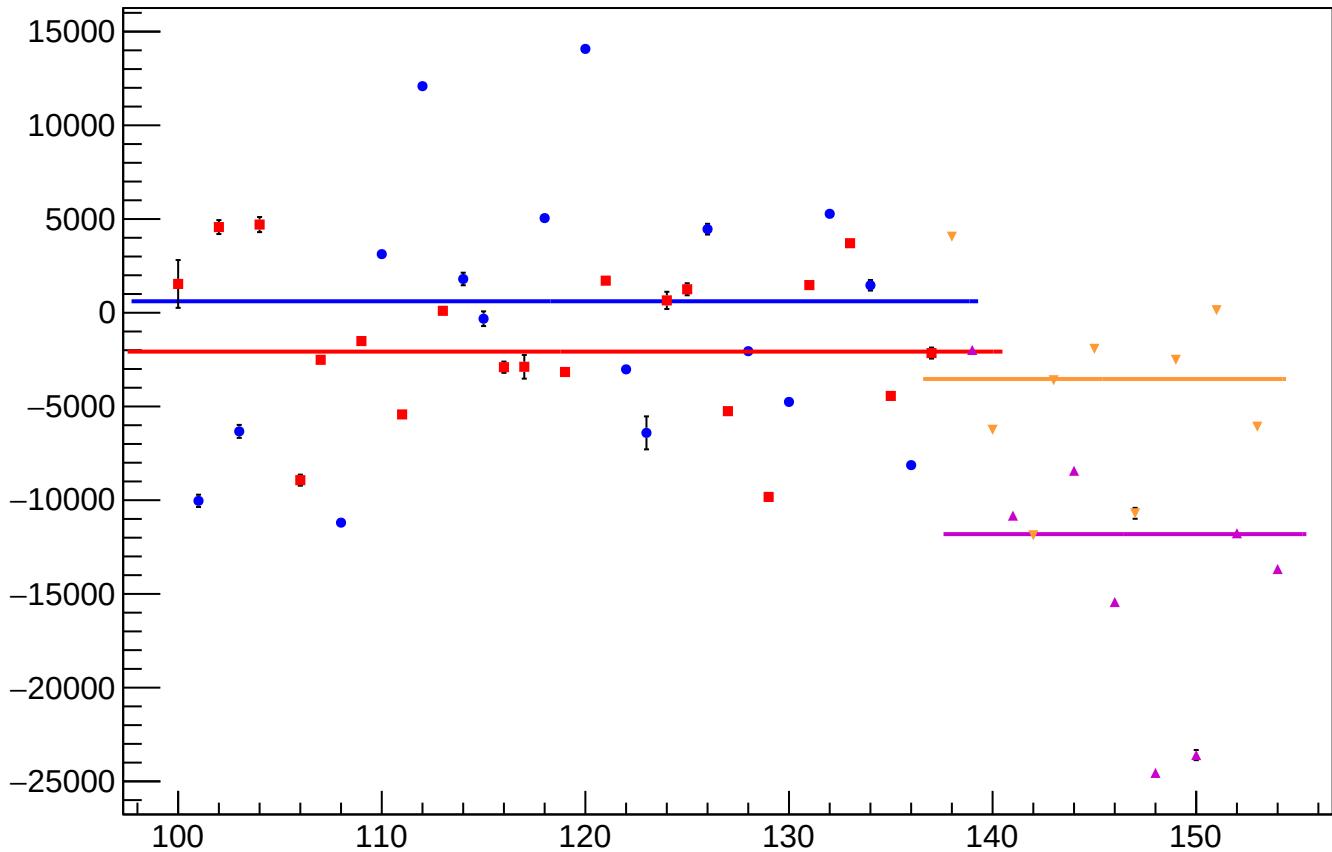
Left In: 117.910+/-0.033 χ^2/NDF :141722.5/7

114.579+/-0.023 χ^2/NDF : 832128.2/25

114.565+/-0.016 χ^2/NDF : 1758739.7/53

114.551+/-0.023 χ^2/NDF : 926610.8/27

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -3532.270 ± 63.392 $\chi^2/\text{NDF}: 5229.7/8$

Right Out: -2073.278 ± 53.736 $\chi^2/\text{NDF}: 4644.3/19$

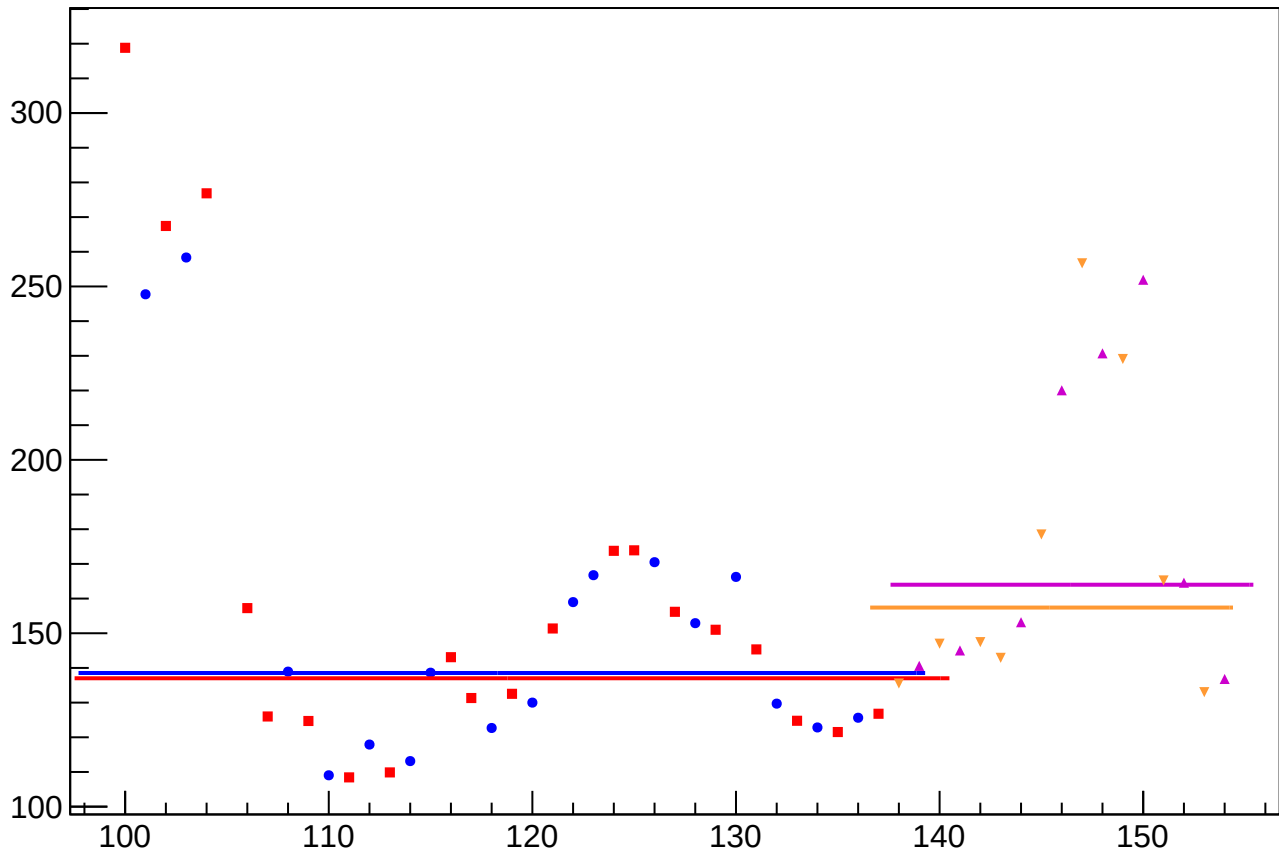
Left In: -11810.291 ± 66.450 $\chi^2/\text{NDF}: 8289.4/7$

-1206.440 ± 41.995 $\chi^2/\text{NDF}: 25872.1/25$

-3576.723 ± 29.620 $\chi^2/\text{NDF}: 58127.2/53$

-5923.169 ± 41.783 $\chi^2/\text{NDF}: 25915.8/27$

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 138.542 +/- 0.040 χ^2/NDF : 668941.7/16

Left Out: 157.410 +/- 0.045 χ^2/NDF : 529291.7/8

Right Out: 137.019 +/- 0.038 χ^2/NDF : 755655.0/19

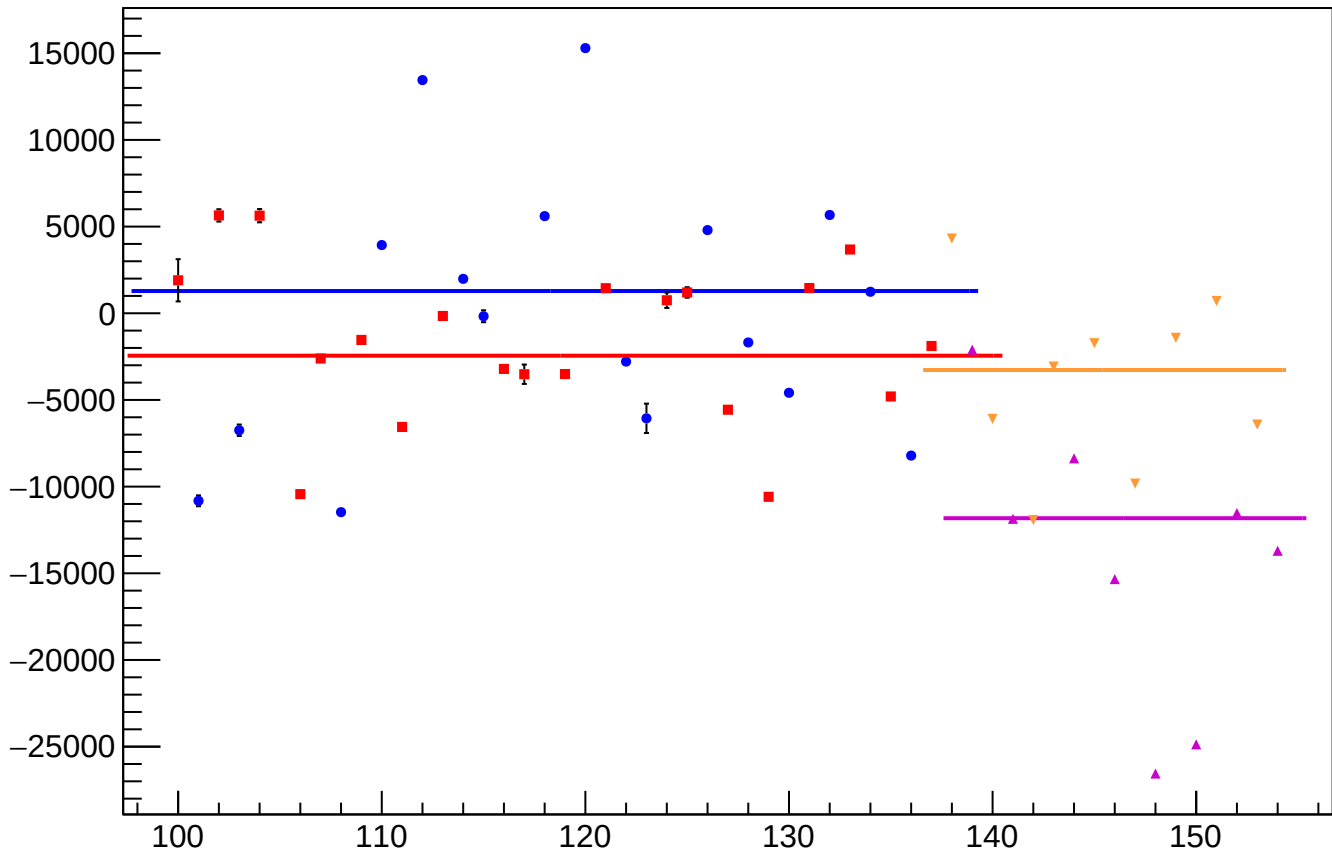
Left In: 163.994 +/- 0.047 χ^2/NDF : 584001.8/7

146.822 +/- 0.030 χ^2/NDF : 1297660.2/25

147.256 +/- 0.021 χ^2/NDF : 2837005.8/53

147.685 +/- 0.030 χ^2/NDF : 1538921.9/27

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



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

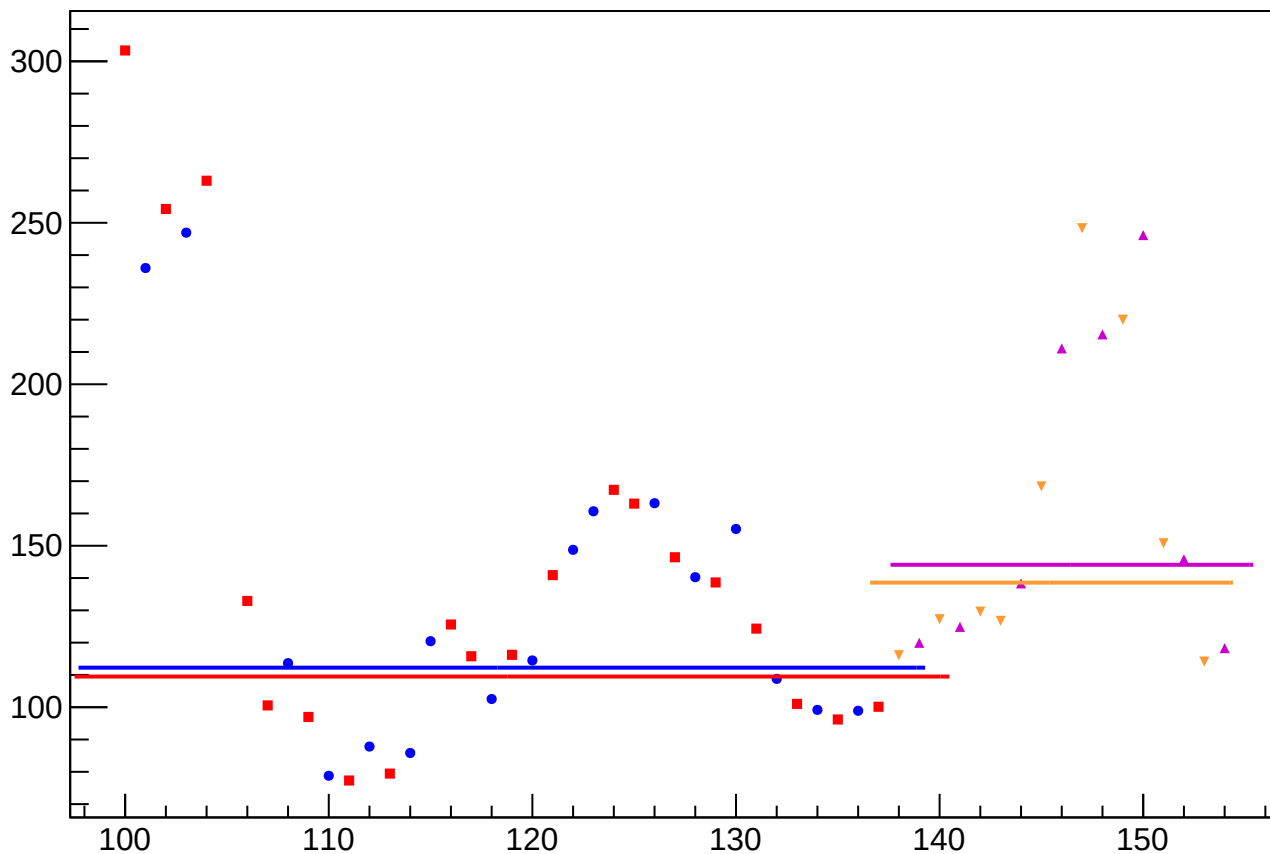
Left In: -11821.827+/-59.223 χ^2/NDF : 11224.6/7

-562.192+/-35.923 χ^2/NDF : 41516.9/25

-3217.651+/-25.213 χ^2/NDF : 87299.4/53

-5795.676+/-35.395 χ^2/NDF : 35013.2/27

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



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

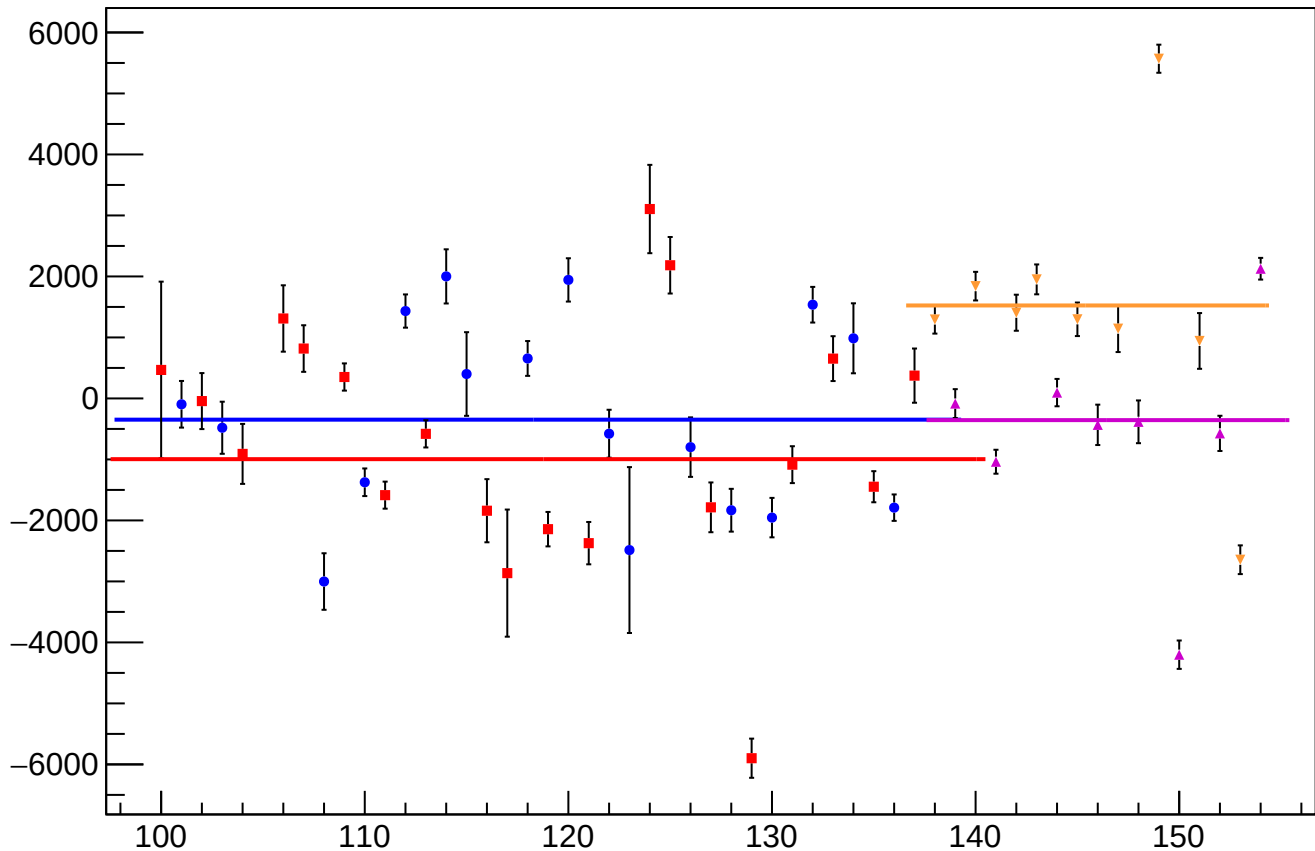
Left In: 144.108+/-0.042 χ^2/NDF : 800613.5/7

122.916+/-0.025 χ^2/NDF : 2116553.2/25

122.381+/-0.018 χ^2/NDF : 4626962.6/53

121.862+/-0.025 χ^2/NDF : 2509535.0/27

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -348.055 ± 83.826 $\chi^2/\text{NDF}: 317.3/16$

Left Out: 1524.263 ± 88.858 $\chi^2/\text{NDF}: 630.8/8$

Right Out: -995.622 ± 77.468 $\chi^2/\text{NDF}: 479.8/19$

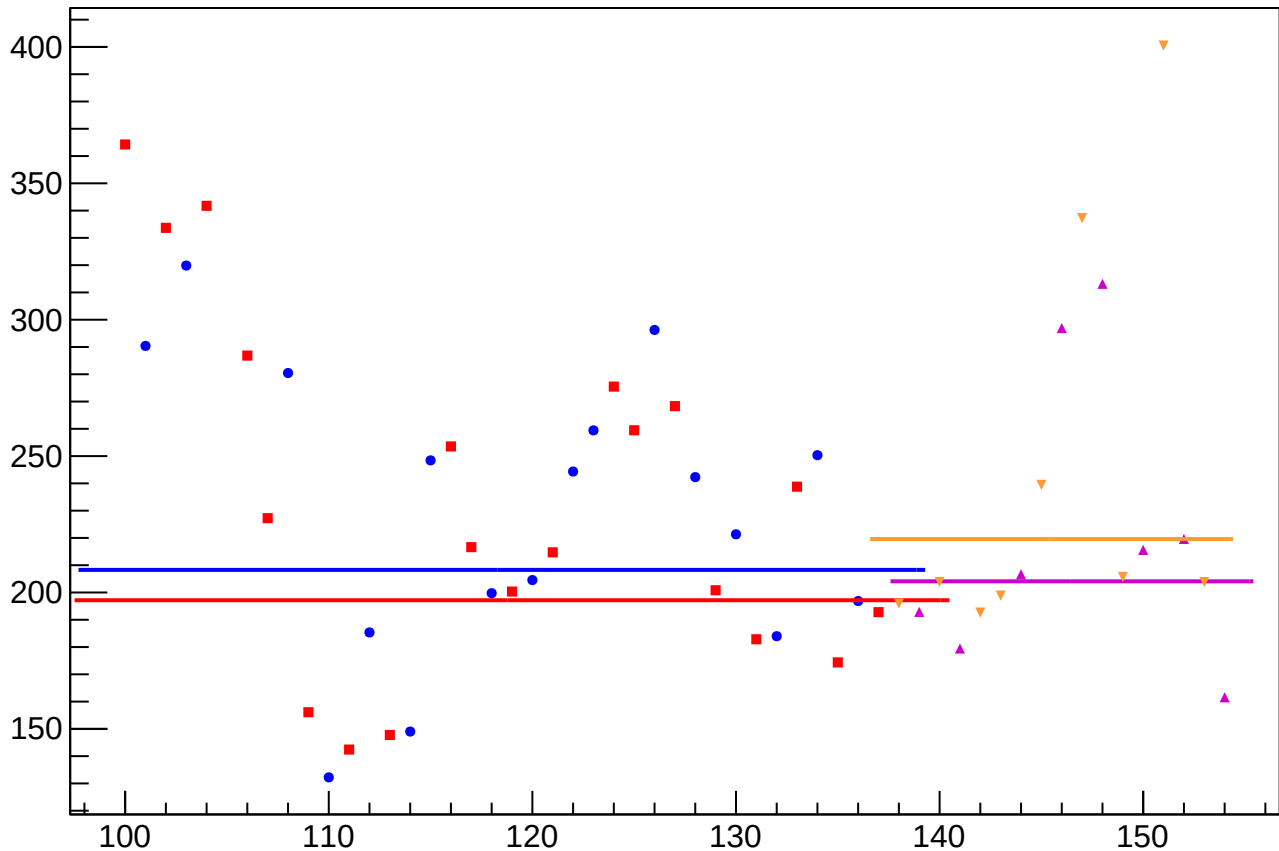
Left In: -355.570 ± 83.593 $\chi^2/\text{NDF}: 486.2/7$

533.597 ± 60.975 $\chi^2/\text{NDF}: 1183.0/25$

-126.608 ± 41.569 $\chi^2/\text{NDF}: 2399.6/53$

-699.900 ± 56.820 $\chi^2/\text{NDF}: 997.6/27$

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.288 $\pm$ 0.059 χ^2 /NDF: 698491.0/16

Left Out: 219.594 $\pm$ 0.063 χ^2 /NDF: 589031.2/8

Right Out: 197.159 $\pm$ 0.055 χ^2 /NDF: 927487.8/19

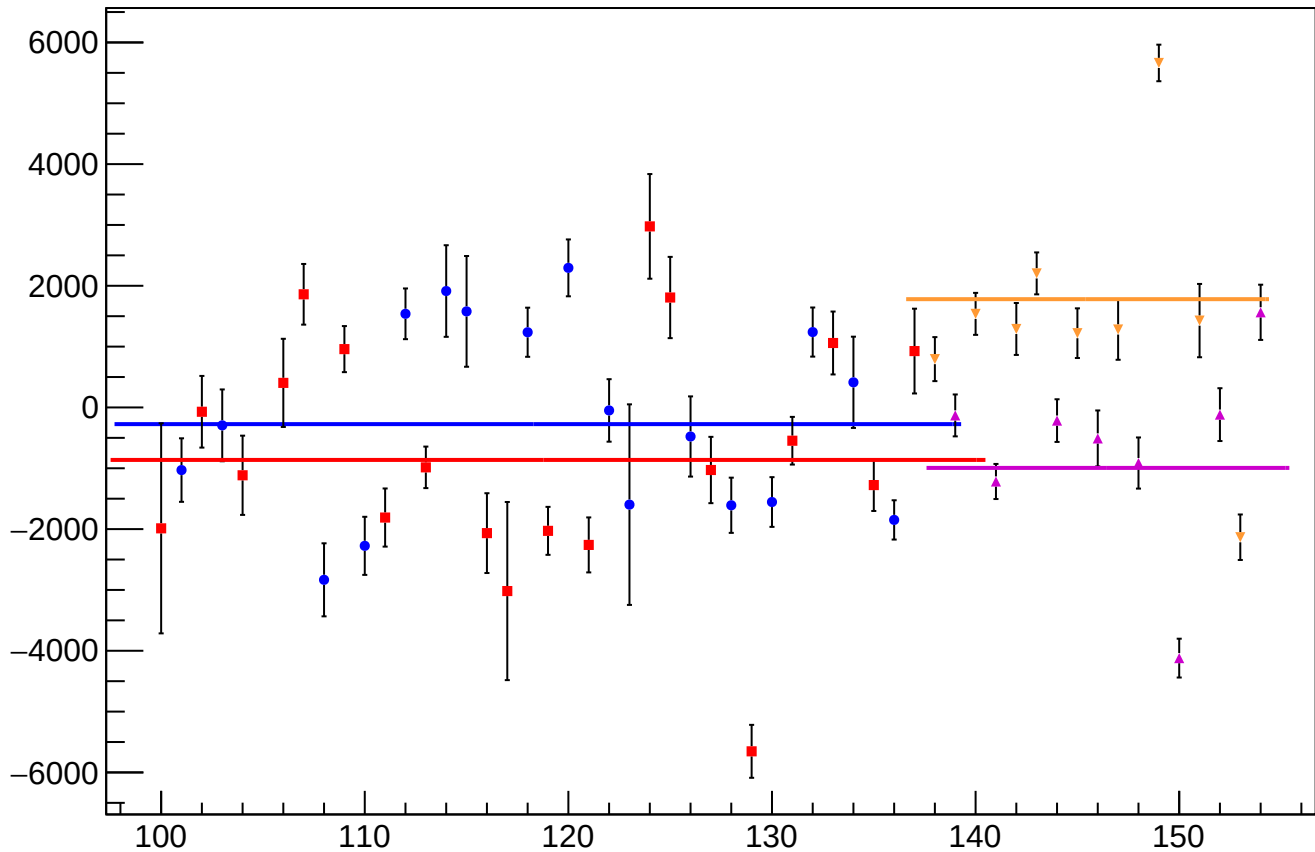
Left In: 204.094 $\pm$ 0.059 χ^2 /NDF: 512391.2/7

213.612 $\pm$ 0.043 χ^2 /NDF: 1304655.1/25

206.521 $\pm$ 0.029 χ^2 /NDF: 2802472.3/53

200.363 $\pm$ 0.040 χ^2 /NDF: 1447284.1/27

asym_bpm0l02WS_mean vs Slug, Sign Corrected



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

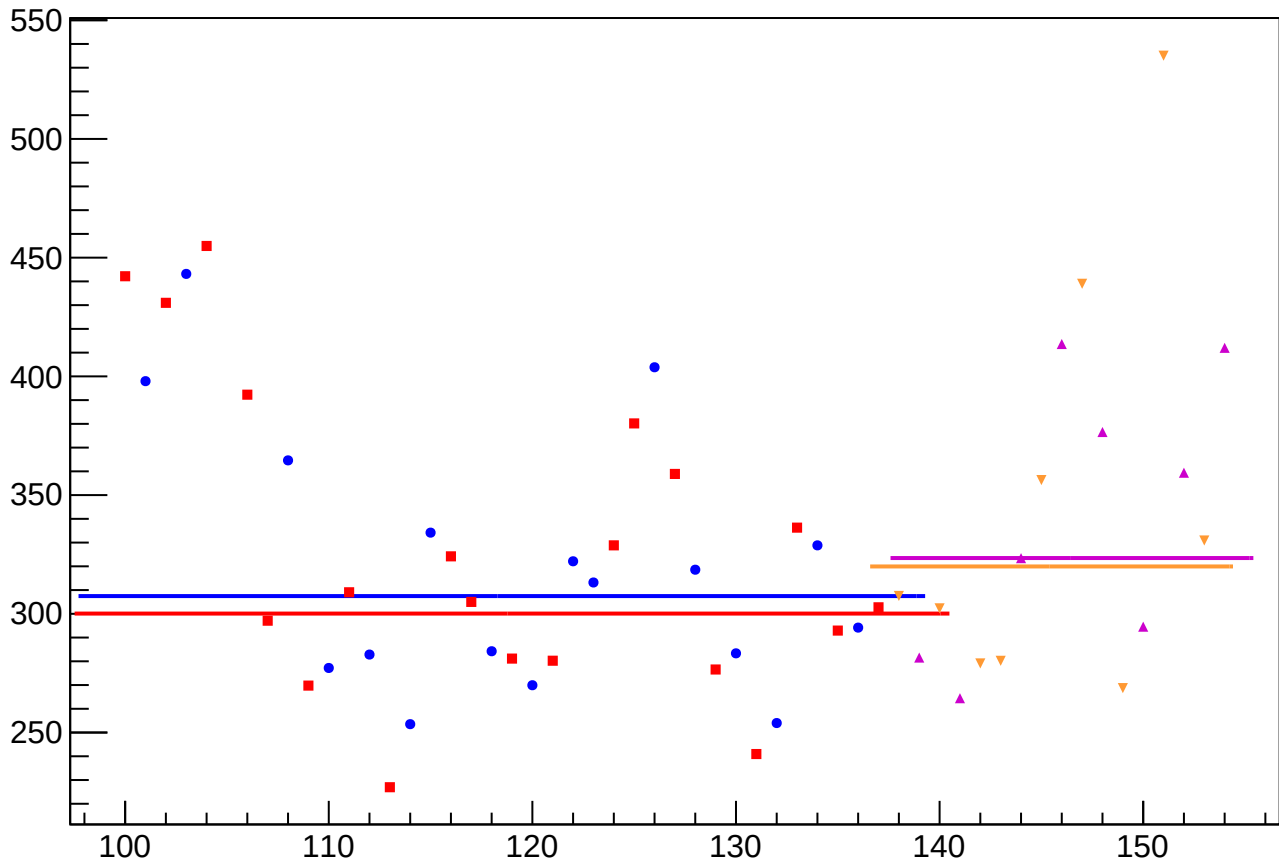
Left In: -993.881 ± 130.239 χ^2/NDF : 144.8/7

697.155 ± 88.084 χ^2/NDF : 597.6/25

-129.008 ± 61.608 χ^2/NDF : 1180.7/53

-920.217 ± 86.201 χ^2/NDF : 410.8/27

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 307.468 $\pm$ 0.086 χ^2 /NDF: 323096.7/16

Left Out: 319.945 $\pm$ 0.091 χ^2 /NDF: 497390.0/8

Right Out: 300.100 $\pm$ 0.081 χ^2 /NDF: 490421.6/19

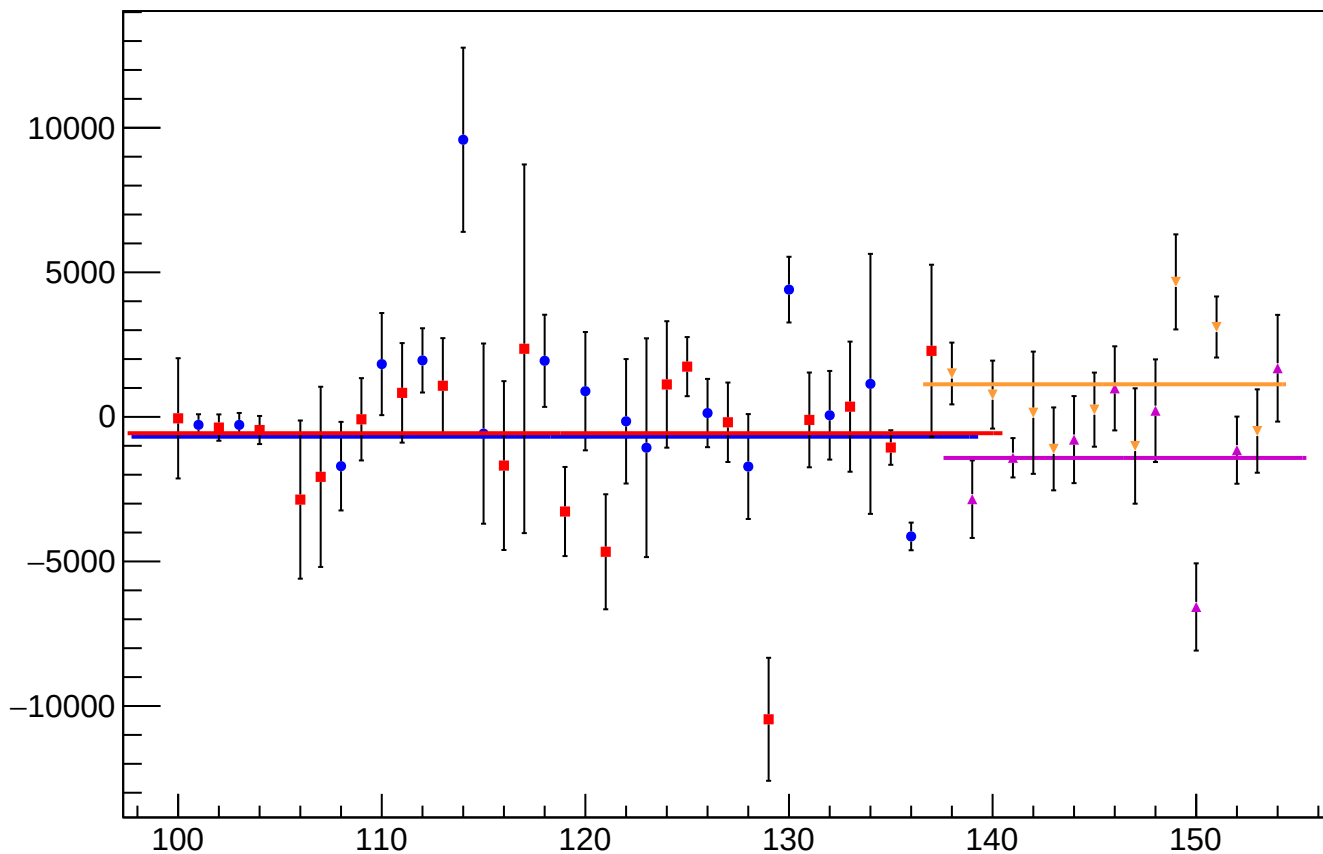
Left In: 323.490 $\pm$ 0.092 χ^2 /NDF: 328395.7/7

313.368 $\pm$ 0.062 χ^2 /NDF: 830489.5/25

311.825 $\pm$ 0.044 χ^2 /NDF: 1686757.0/53

310.346 $\pm$ 0.061 χ^2 /NDF: 855065.0/27

asym_bpm0l03WS_mean vs Slug, Sign Corrected



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

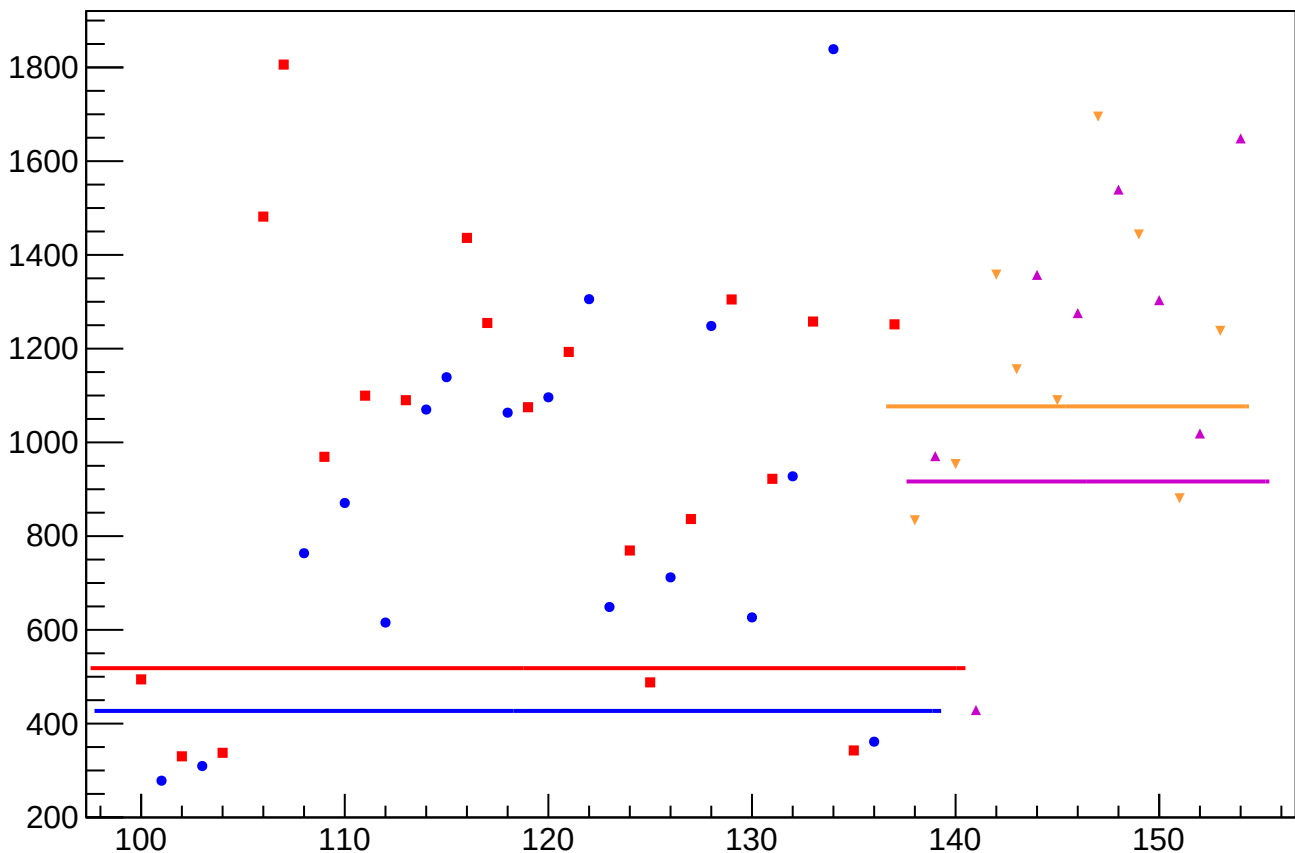
Left In: -1419.625+/-429.535 χ^2/NDF :19.4/7

-361.078+/-190.623 χ^2/NDF : 124.5/25

-545.146+/-141.613 χ^2/NDF : 189.0/53

-771.847+/-211.550 χ^2/NDF : 62.4/27

asym_bpm0l03WS_rms vs Slug, Sign Corrected



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

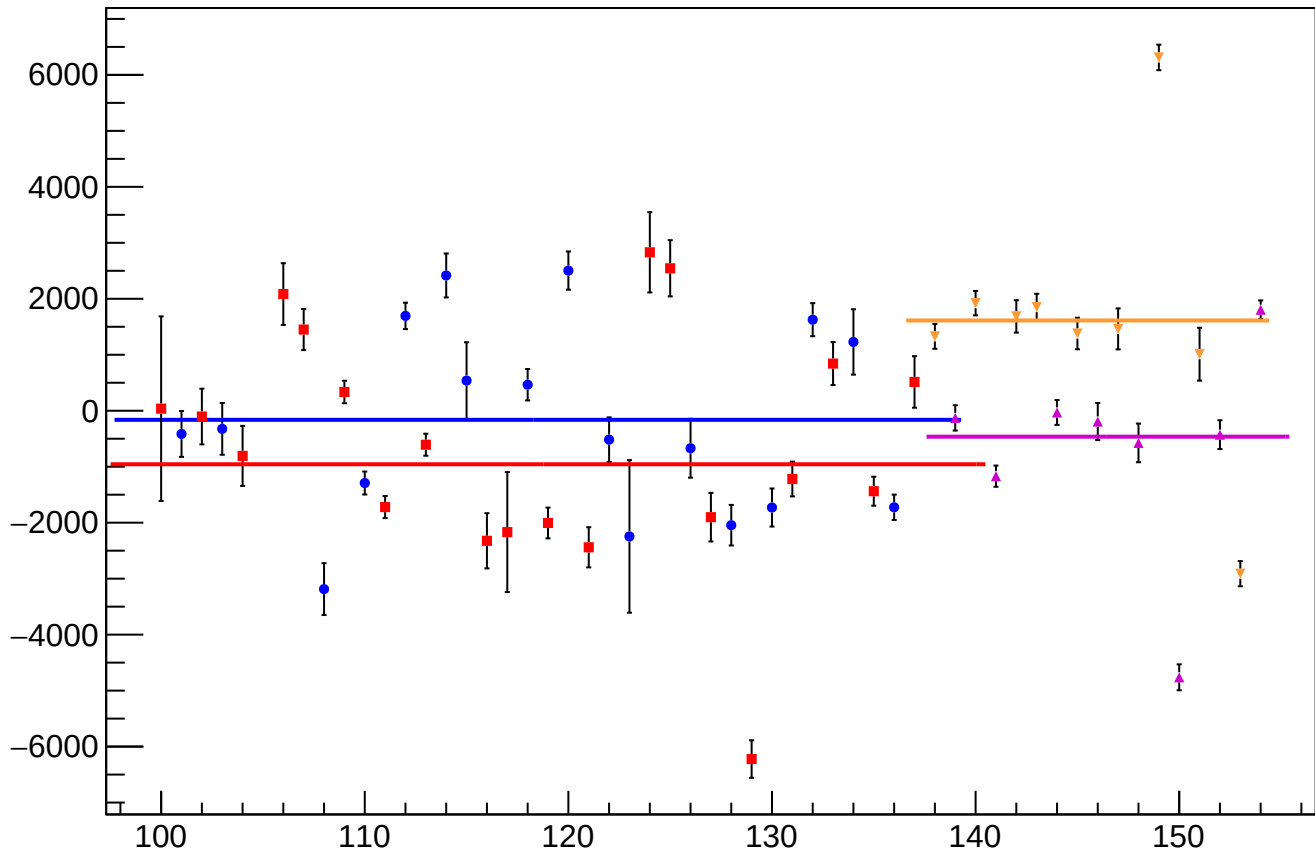
Left In: 916.558+/-0.304 χ^2/NDF : 2031135.1/7

543.183+/-0.135 χ^2/NDF : 6828356.1/25

575.324+/-0.100 χ^2/NDF : 13920456.3/53

614.908+/-0.150 χ^2/NDF : 6965218.5/27

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -162.333 $\pm$ 82.350 χ^2/NDF : 387.6/16

Left Out: 1612.788 $\pm$ 86.244 χ^2/NDF : 836.6/8

Right Out: -956.044 $\pm$ 74.949 χ^2/NDF : 541.1/19

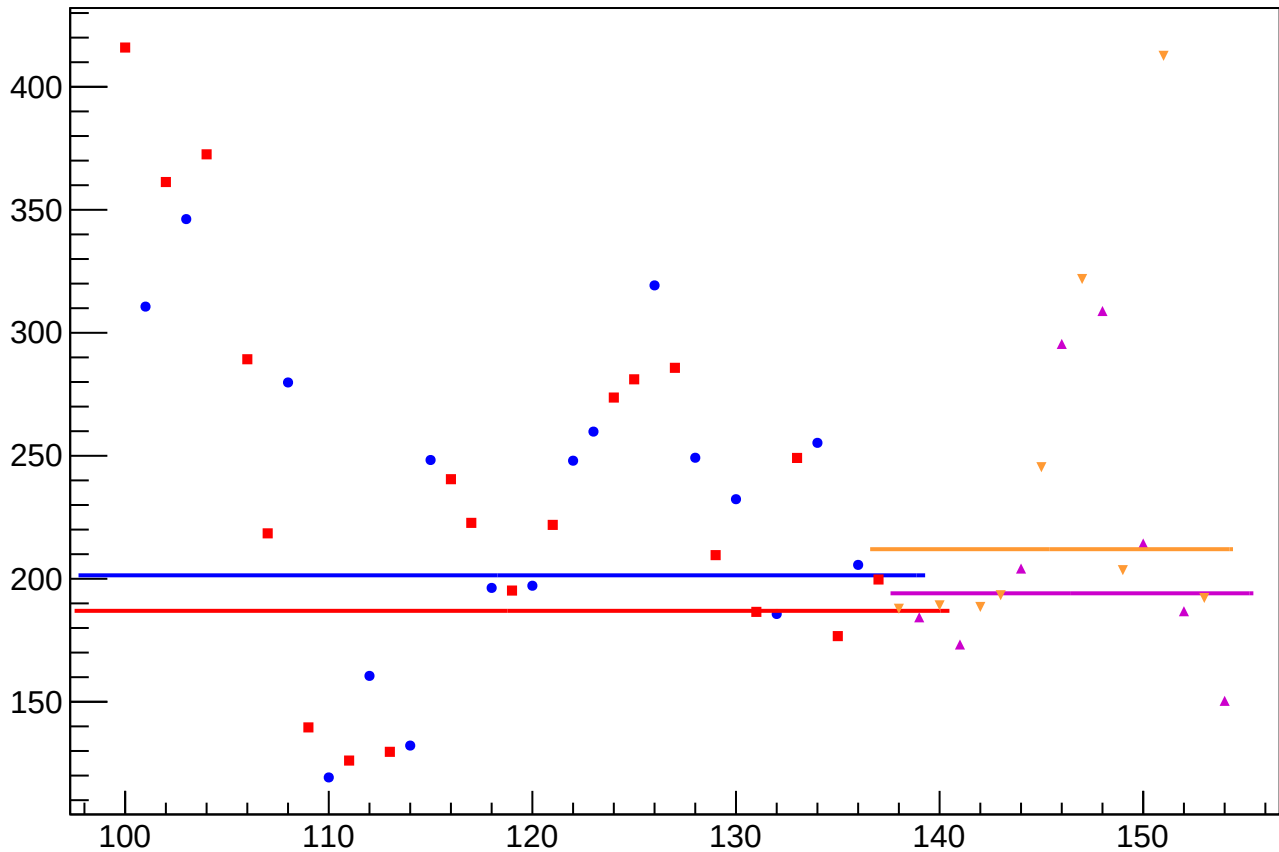
Left In: -463.374 $\pm$ 80.223 χ^2/NDF : 553.0/7

684.250 $\pm$ 59.559 χ^2/NDF : 1445.8/25

-80.126 $\pm$ 40.314 χ^2/NDF : 2863.9/53

-726.433 $\pm$ 54.767 χ^2/NDF : 1114.2/27

asym_bpm0l04WS_rms vs Slug, Sign Corrected



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

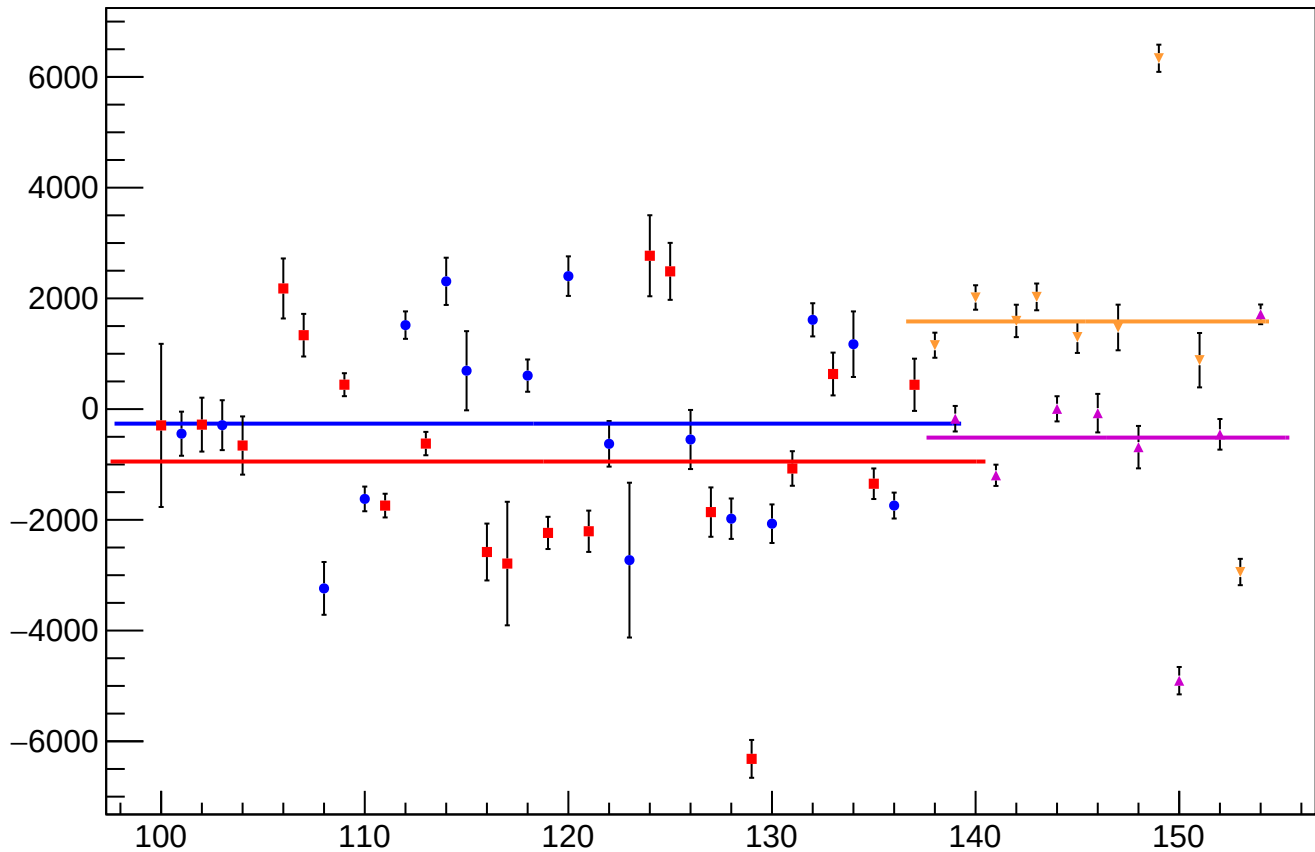
Left In: 194.097 +/- 0.057 χ^2/NDF : 596134.0/7

206.476 +/- 0.042 χ^2/NDF : 1730503.7/25

197.707 +/- 0.029 χ^2/NDF : 3810457.2/53

190.293 +/- 0.039 χ^2/NDF : 1999954.0/27

asym_bpm0l05WS_mean vs Slug, Sign Corrected



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

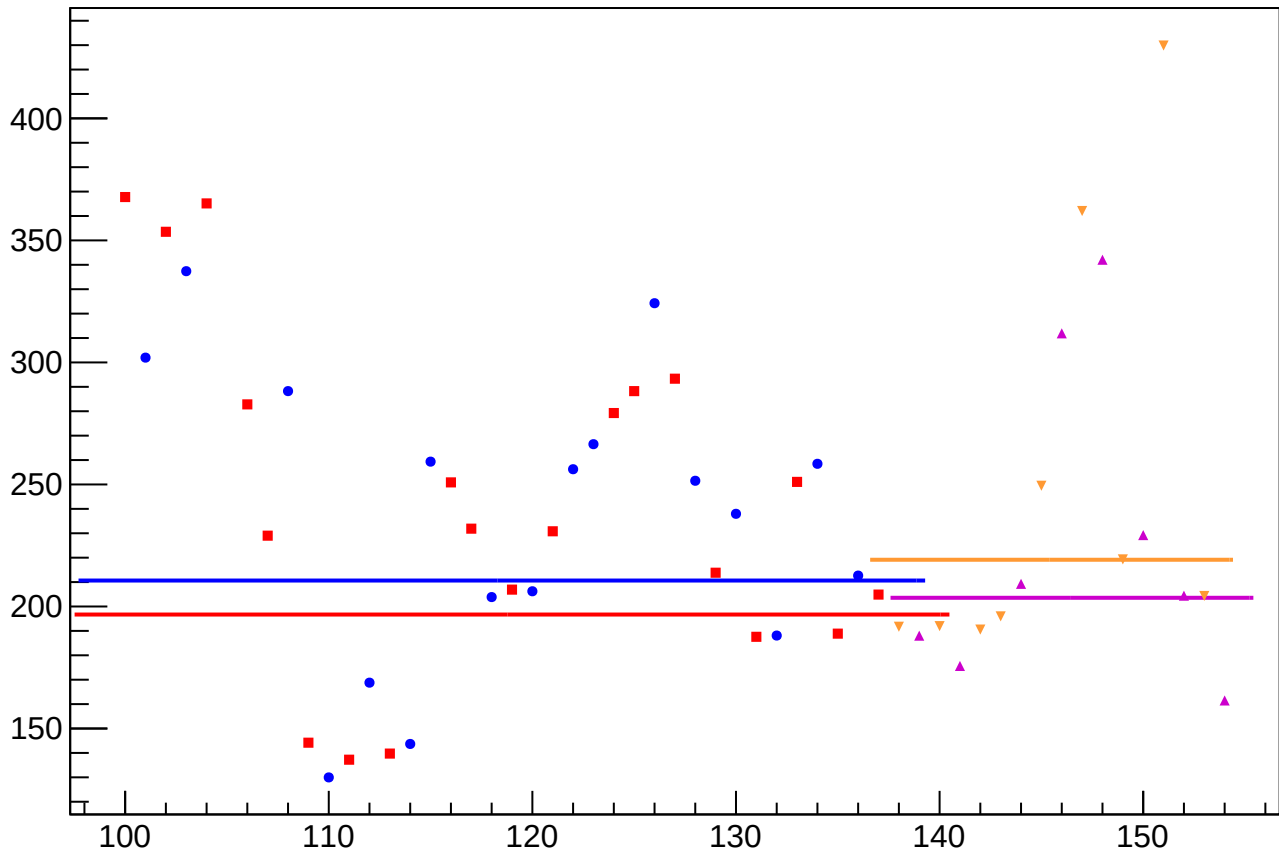
Left In: -514.666 $\pm$ 84.102 χ^2/NDF : 493.6/7

619.198 $\pm$ 61.750 χ^2/NDF : 1342.3/25

-114.709 $\pm$ 41.997 χ^2/NDF : 2637.6/53

-746.306 $\pm$ 57.285 χ^2/NDF : 1032.4/27

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 210.636 ± 0.060 $\chi^2/\text{NDF}: 875776.4/16$

Left Out: 219.149 ± 0.063 $\chi^2/\text{NDF}: 735575.1/8$

Right Out: 196.702 ± 0.055 $\chi^2/\text{NDF}: 1207089.6/19$

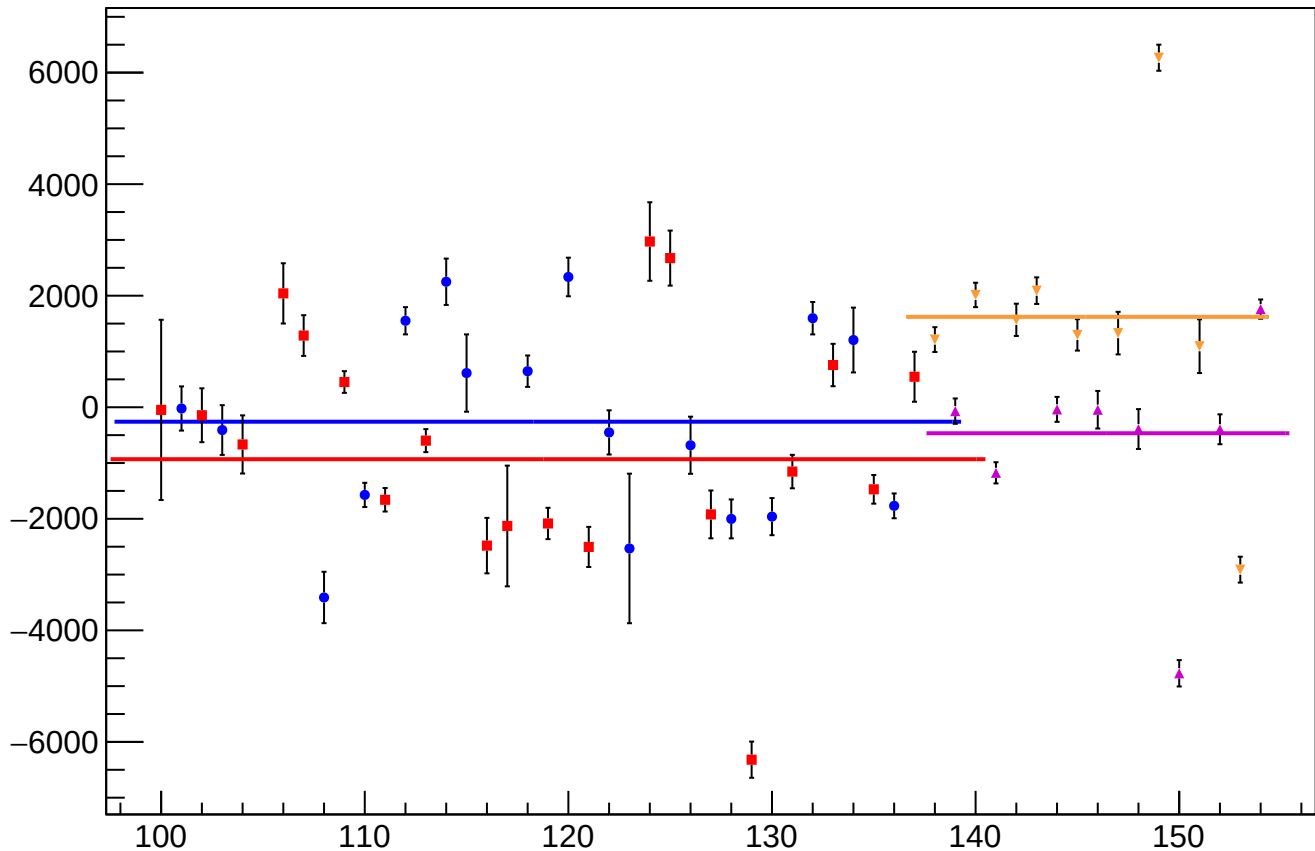
Left In: 203.566 ± 0.059 $\chi^2/\text{NDF}: 641476.1/7$

214.702 ± 0.044 $\chi^2/\text{NDF}: 1620836.5/25$

206.739 ± 0.030 $\chi^2/\text{NDF}: 3538417.9/53$

199.886 ± 0.041 $\chi^2/\text{NDF}: 1855706.2/27$

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -259.139 $\pm$ 82.802 χ^2/NDF : 391.2/16

Left Out: 1620.231 $\pm$ 87.294 χ^2/NDF : 789.4/8

Right Out: -931.363 $\pm$ 75.320 χ^2/NDF : 583.1/19

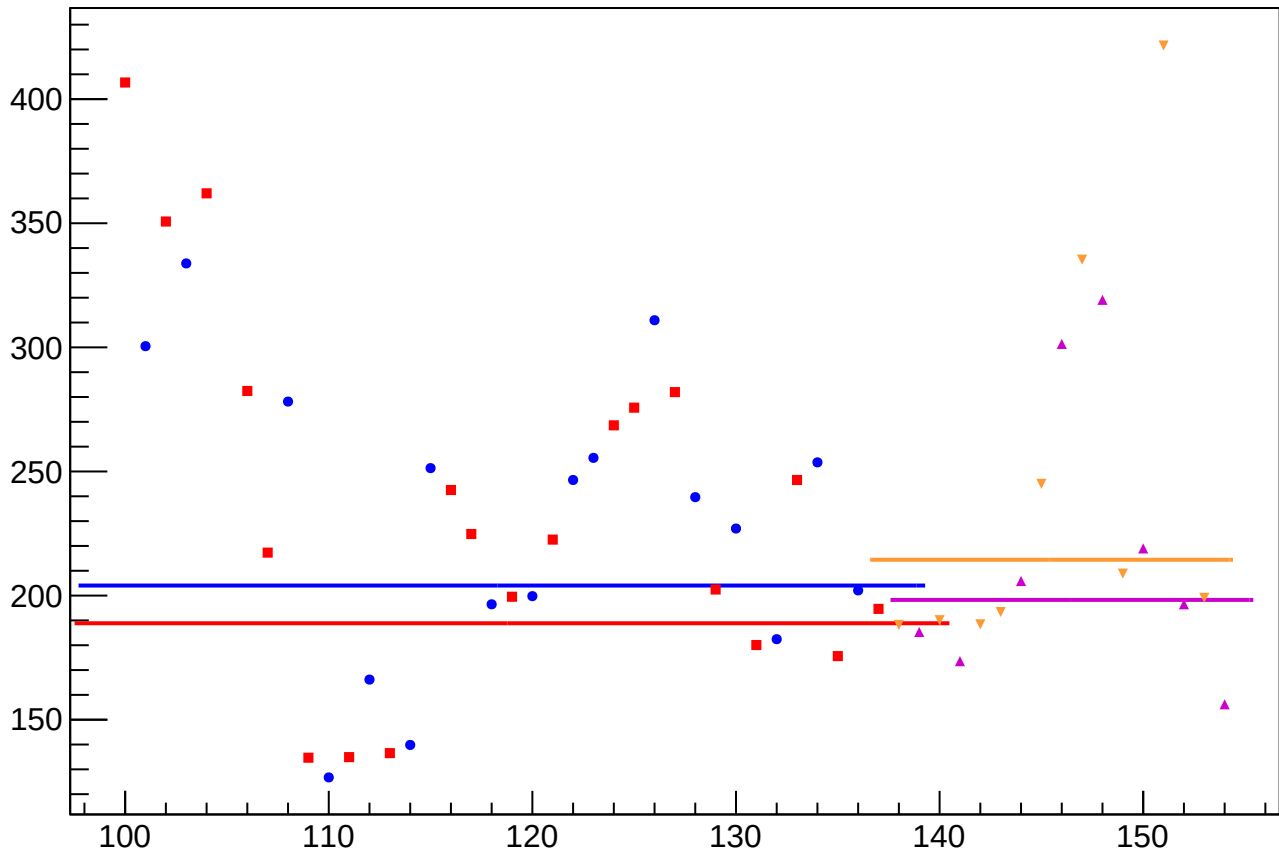
Left In: -466.311 $\pm$ 81.840 χ^2/NDF : 521.0/7

630.951 $\pm$ 60.075 χ^2/NDF : 1424.6/25

-97.842 $\pm$ 40.735 χ^2/NDF : 2818.6/53

-718.098 $\pm$ 55.421 χ^2/NDF : 1121.6/27

asym_bpm0l06WS_rms vs Slug, Sign Corrected



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

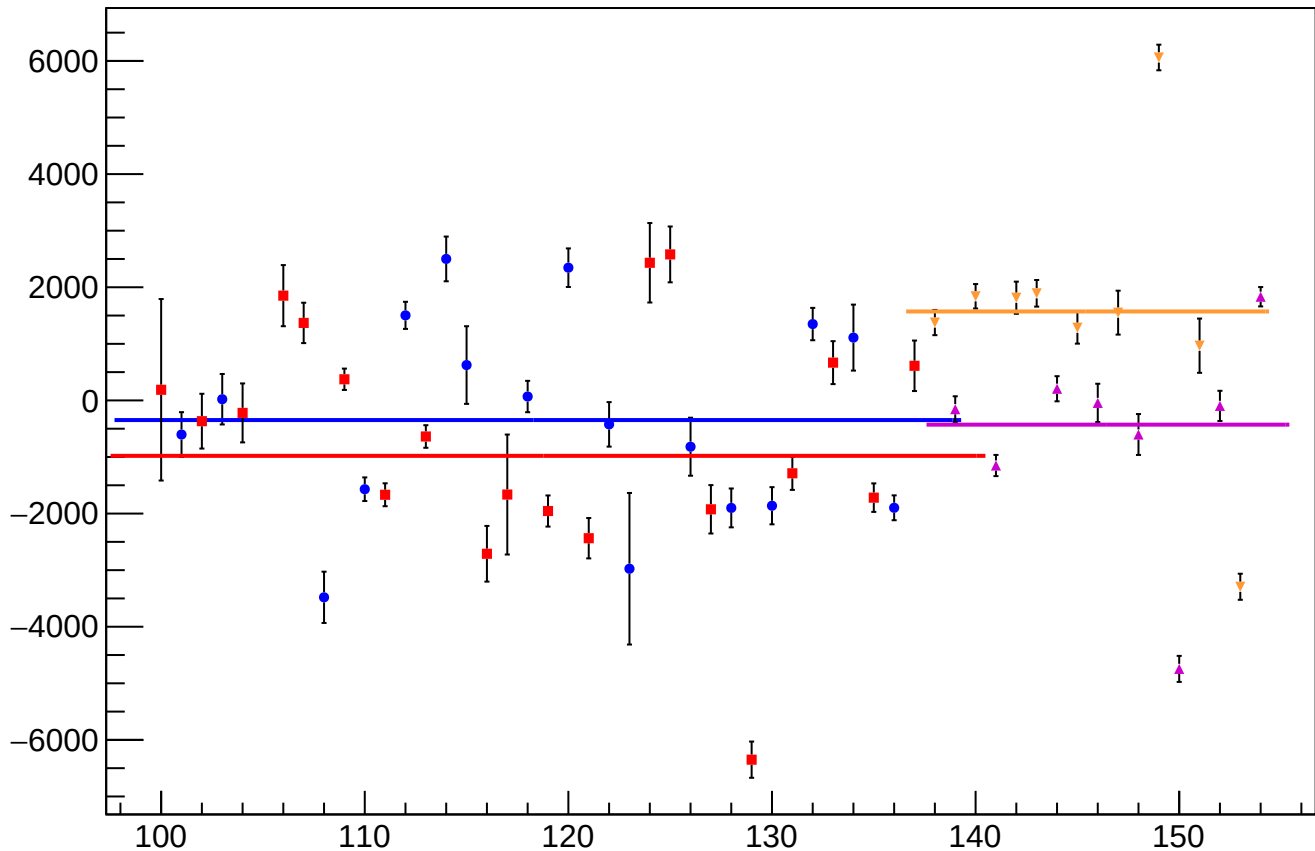
Left In: 198.258 +/- 0.058 χ^2/NDF : 593641.9/7

208.974 +/- 0.042 χ^2/NDF : 1571109.5/25

200.435 +/- 0.029 χ^2/NDF : 3507165.2/53

193.167 +/- 0.039 χ^2/NDF : 1861260.7/27

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.240 ± 81.318 $\chi^2/\text{NDF}: 399.1/16$

Left Out: 1572.220 ± 86.389 $\chi^2/\text{NDF}: 846.5/8$

Right Out: -979.606 ± 73.710 $\chi^2/\text{NDF}: 586.1/19$

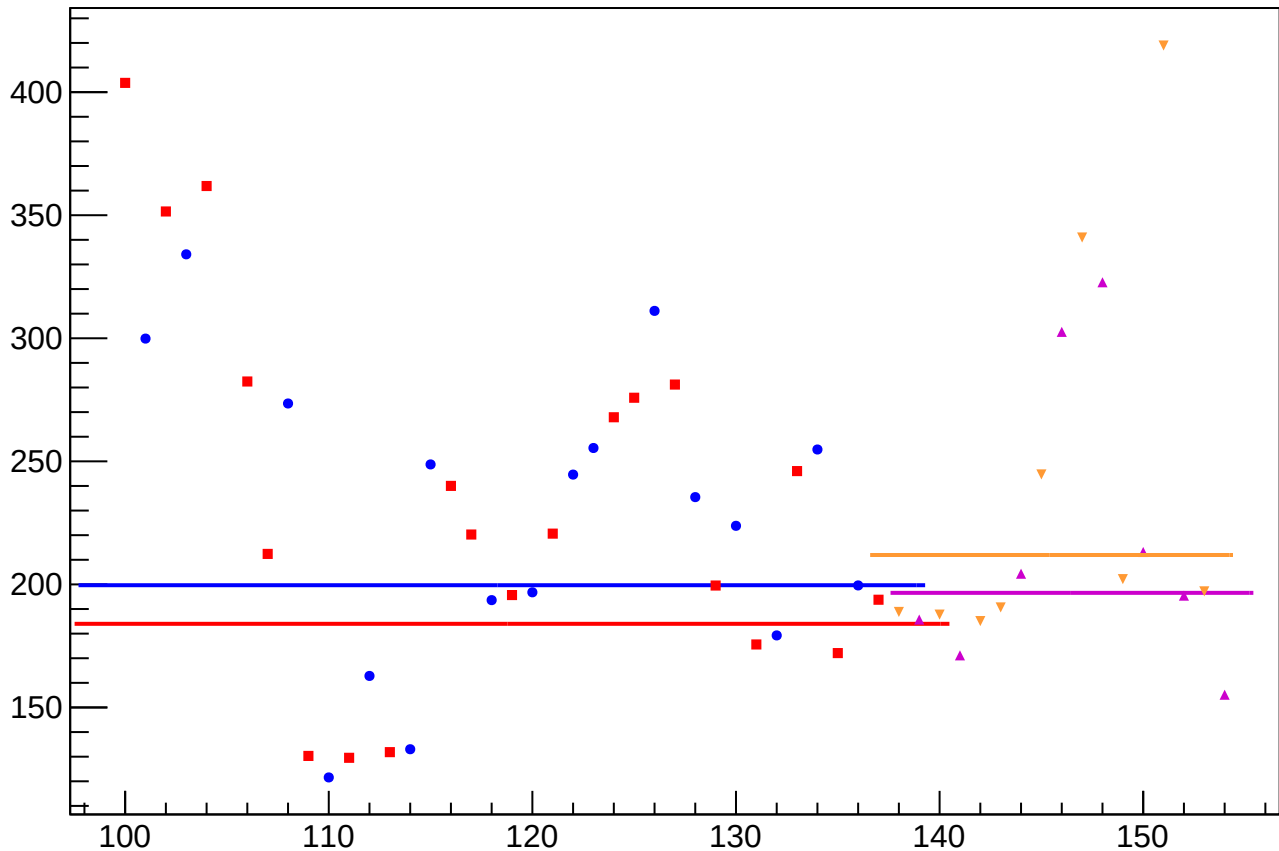
Left In: -428.293 ± 81.205 $\chi^2/\text{NDF}: 554.3/7$

554.501 ± 59.212 $\chi^2/\text{NDF}: 1507.4/25$

-140.266 ± 40.131 $\chi^2/\text{NDF}: 2927.7/53$

-730.561 ± 54.579 $\chi^2/\text{NDF}: 1165.6/27$

asym_bpm0l07WS_rms vs Slug, Sign Corrected



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

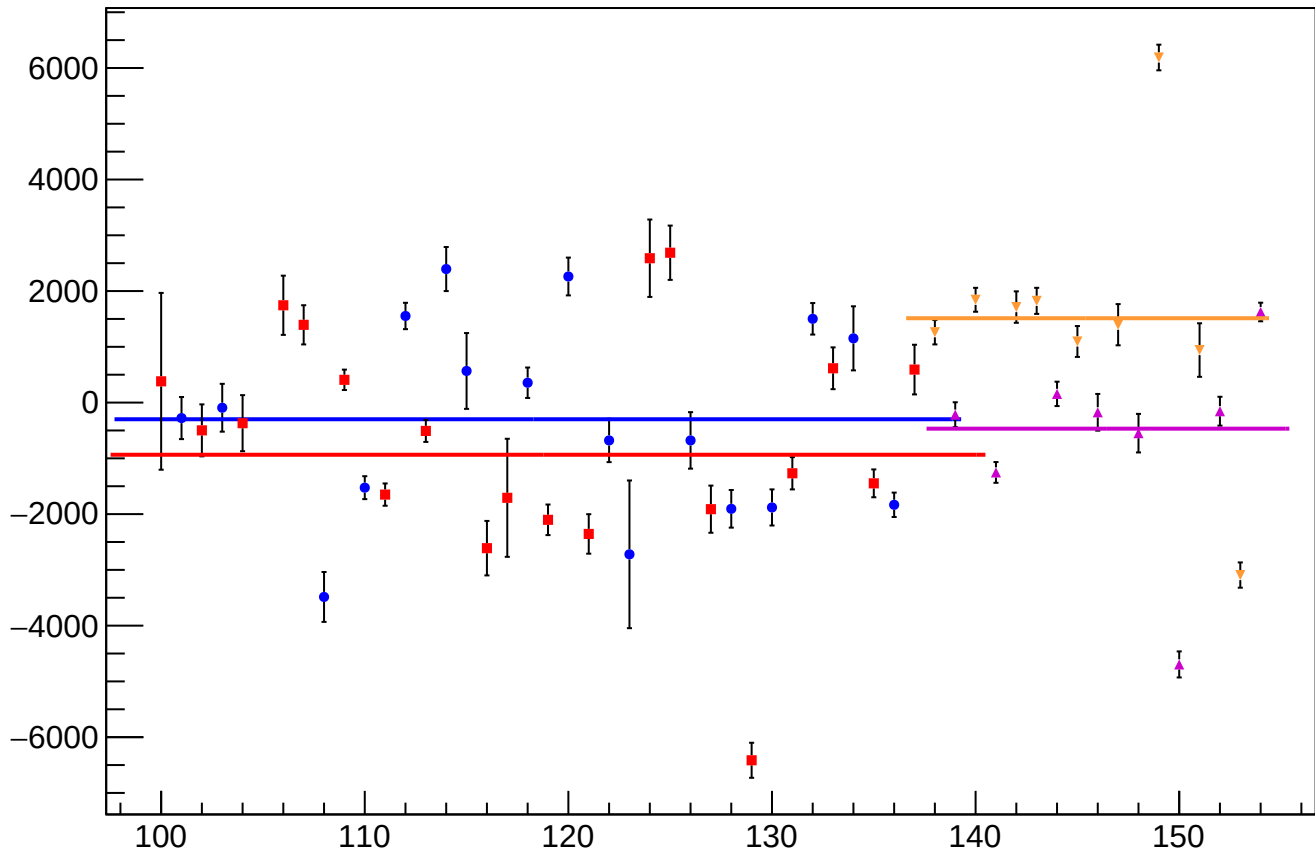
Left In: 196.567 +/- 0.057 χ^2/NDF : 611903.7/7

205.436 +/- 0.042 χ^2/NDF : 1678487.0/25

196.912 +/- 0.028 χ^2/NDF : 3745375.7/53

189.668 +/- 0.039 χ^2/NDF : 1990209.5/27

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -298.963 ± 80.162 $\chi^2/\text{NDF}: 406.6/16$

Left Out: 1512.802 ± 85.529 $\chi^2/\text{NDF}: 836.4/8$

Right Out: -935.490 ± 72.580 $\chi^2/\text{NDF}: 615.3/19$

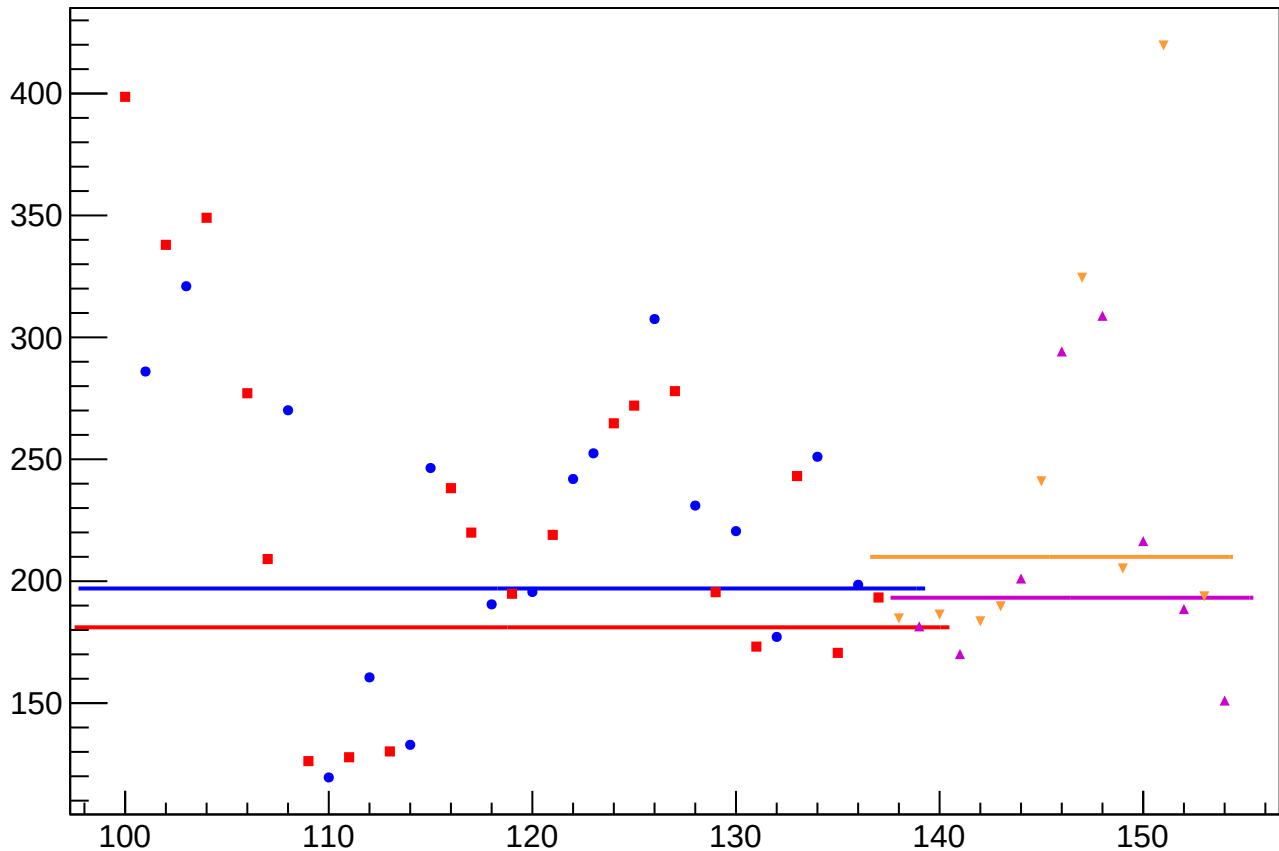
Left In: -467.733 ± 79.866 $\chi^2/\text{NDF}: 514.6/7$

548.290 ± 58.489 $\chi^2/\text{NDF}: 1481.8/25$

-141.860 ± 39.562 $\chi^2/\text{NDF}: 2887.2/53$

-723.919 ± 53.713 $\chi^2/\text{NDF}: 1148.7/27$

asym_bpm0l08WS_rms vs Slug, Sign Corrected



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

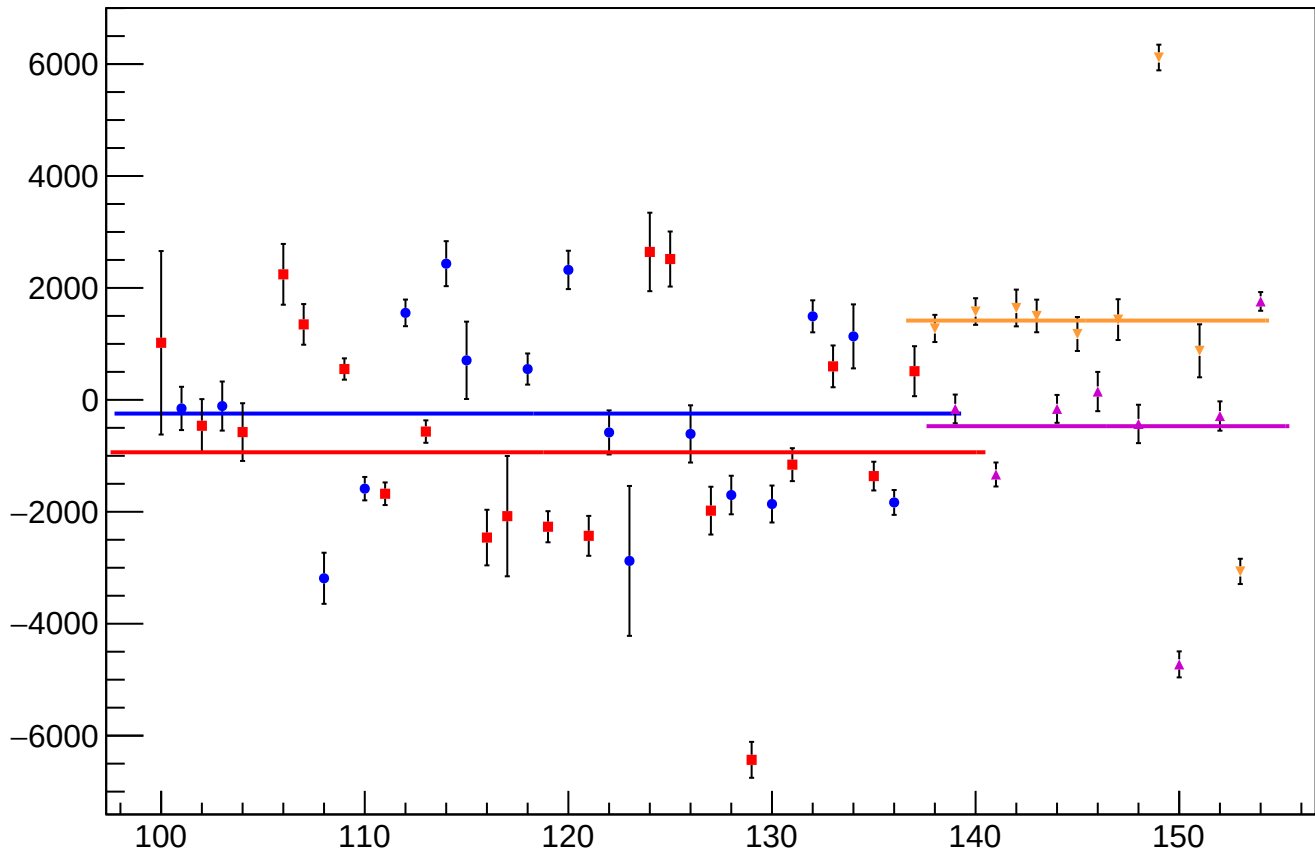
Left In: 193.226 ± 0.056 χ^2/NDF : 599292.8/7

203.073 ± 0.041 χ^2/NDF : 1629868.2/25

194.125 ± 0.028 χ^2/NDF : 3689130.5/53

186.579 ± 0.038 χ^2/NDF : 1972978.9/27

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -244.925 ± 81.395 χ^2/NDF : 391.4/16

Left Out: 1417.156 ± 92.385 χ^2/NDF : 817.2/8

Right Out: -936.709 ± 74.030 χ^2/NDF : 610.9/19

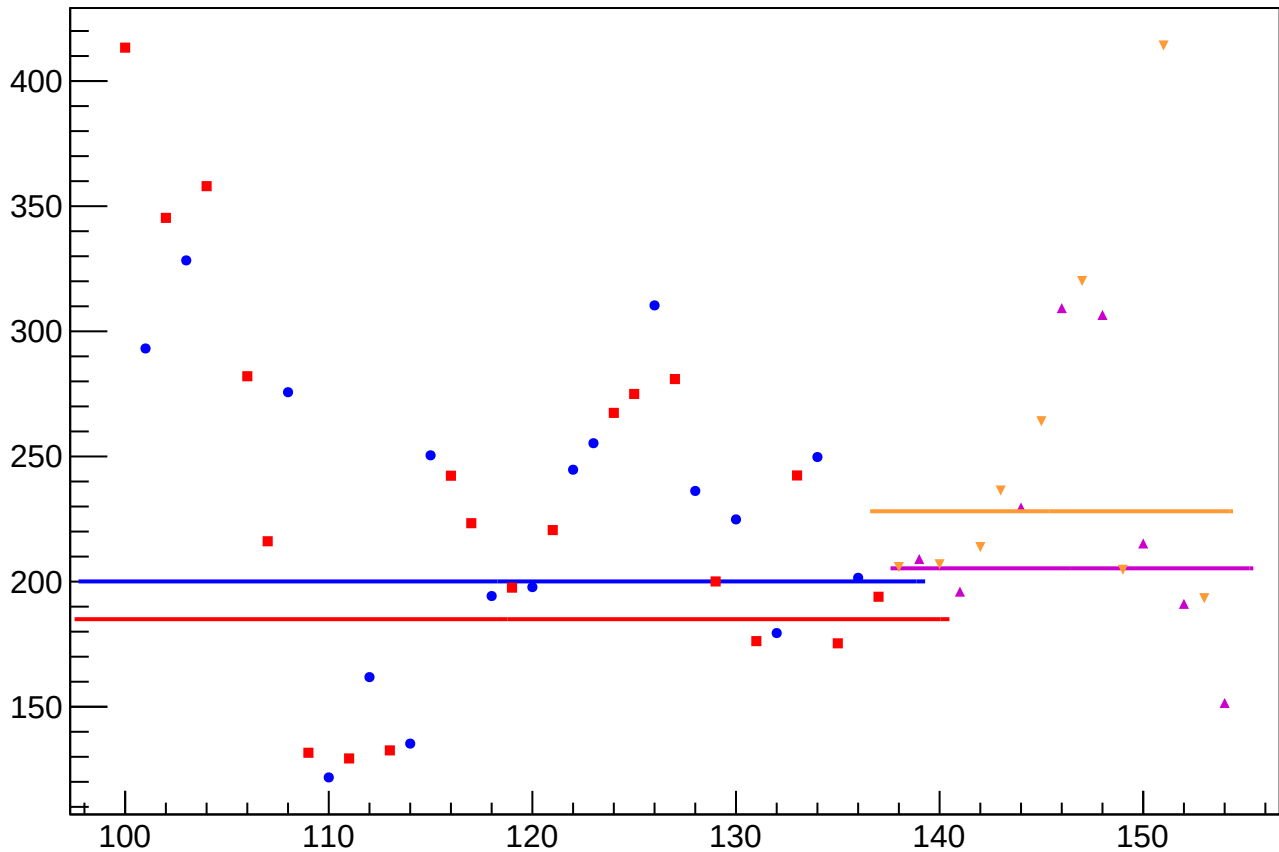
Left In: -470.428 ± 84.945 χ^2/NDF : 536.3/7

481.423 ± 61.073 χ^2/NDF : 1390.8/25

-181.690 ± 41.199 χ^2/NDF : 2771.5/53

-735.433 ± 55.810 χ^2/NDF : 1164.3/27

asym_bpm0l09WS_rms vs Slug, Sign Corrected



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

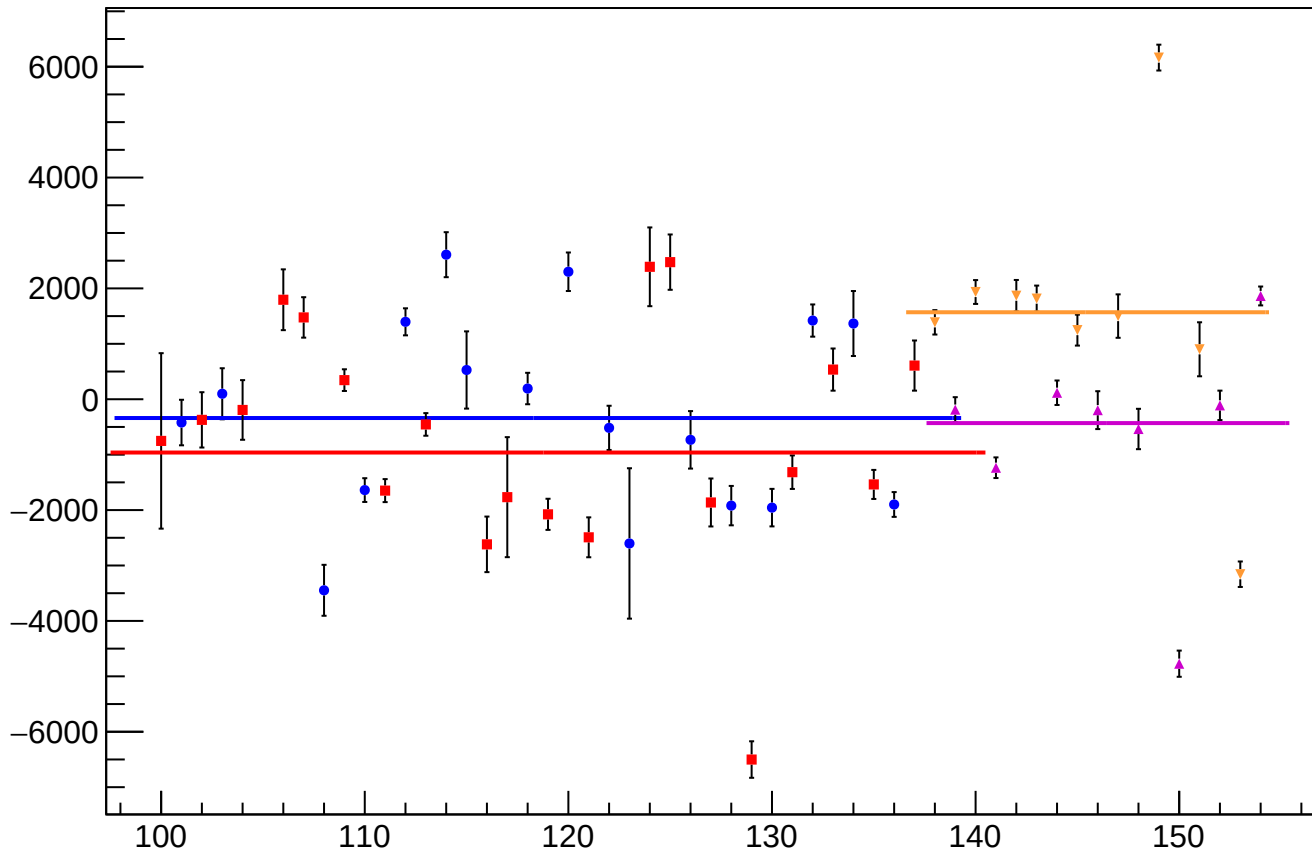
Left In: 205.310+/-0.060 χ^2/NDF : 590031.5/7

212.327+/-0.043 χ^2/NDF : 1592443.0/25

202.210+/-0.029 χ^2/NDF : 3669065.5/53

193.761+/-0.039 χ^2/NDF : 1975901.0/27

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -338.966 ± 83.123 $\chi^2/\text{NDF}: 389.5/16$

Left Out: 1569.557 ± 86.532 $\chi^2/\text{NDF}: 819.4/8$

Right Out: -961.556 ± 75.564 $\chi^2/\text{NDF}: 570.9/19$

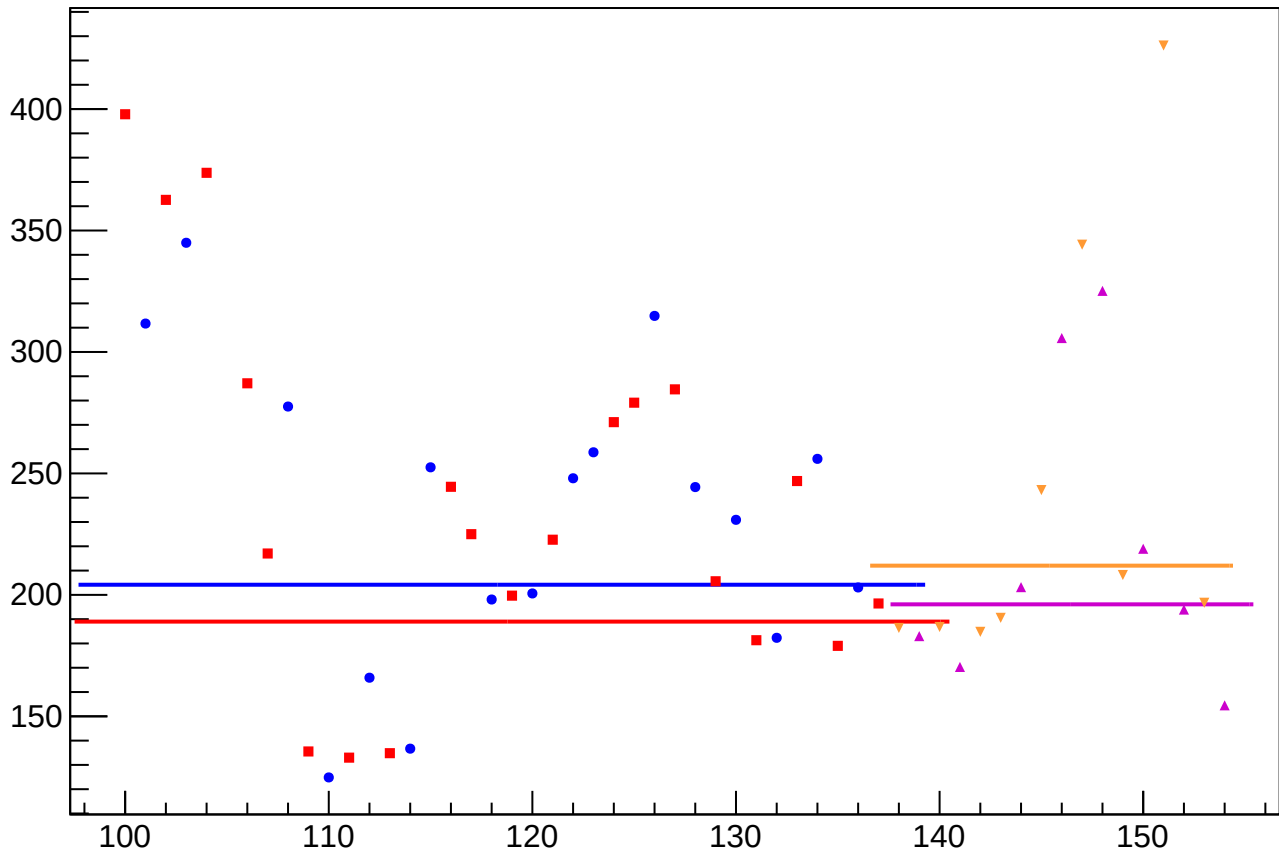
Left In: -430.352 ± 81.158 $\chi^2/\text{NDF}: 546.8/7$

576.956 ± 59.946 $\chi^2/\text{NDF}: 1461.9/25$

-120.914 ± 40.648 $\chi^2/\text{NDF}: 2853.4/53$

-714.891 ± 55.304 $\chi^2/\text{NDF}: 1140.7/27$

asym_bpm0l10WS_rms vs Slug, Sign Corrected



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

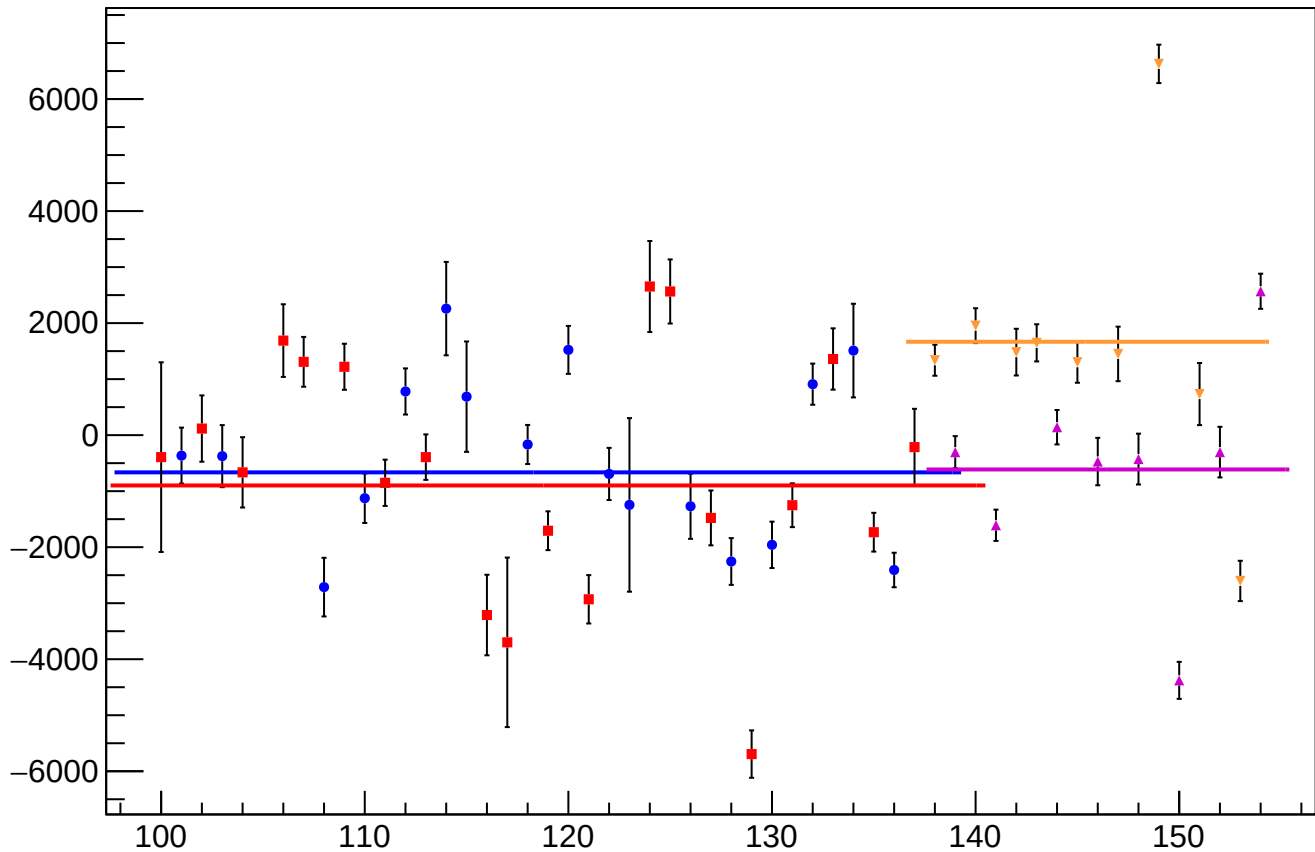
Left In: 196.104 +/- 0.057 χ^2/NDF : 642102.1/7

207.944 +/- 0.042 χ^2/NDF : 1693632.0/25

199.492 +/- 0.029 χ^2/NDF : 3734672.7/53

192.297 +/- 0.039 χ^2/NDF : 1967429.0/27

asym_bpm0r03WS_mean vs Slug, Sign Corrected



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

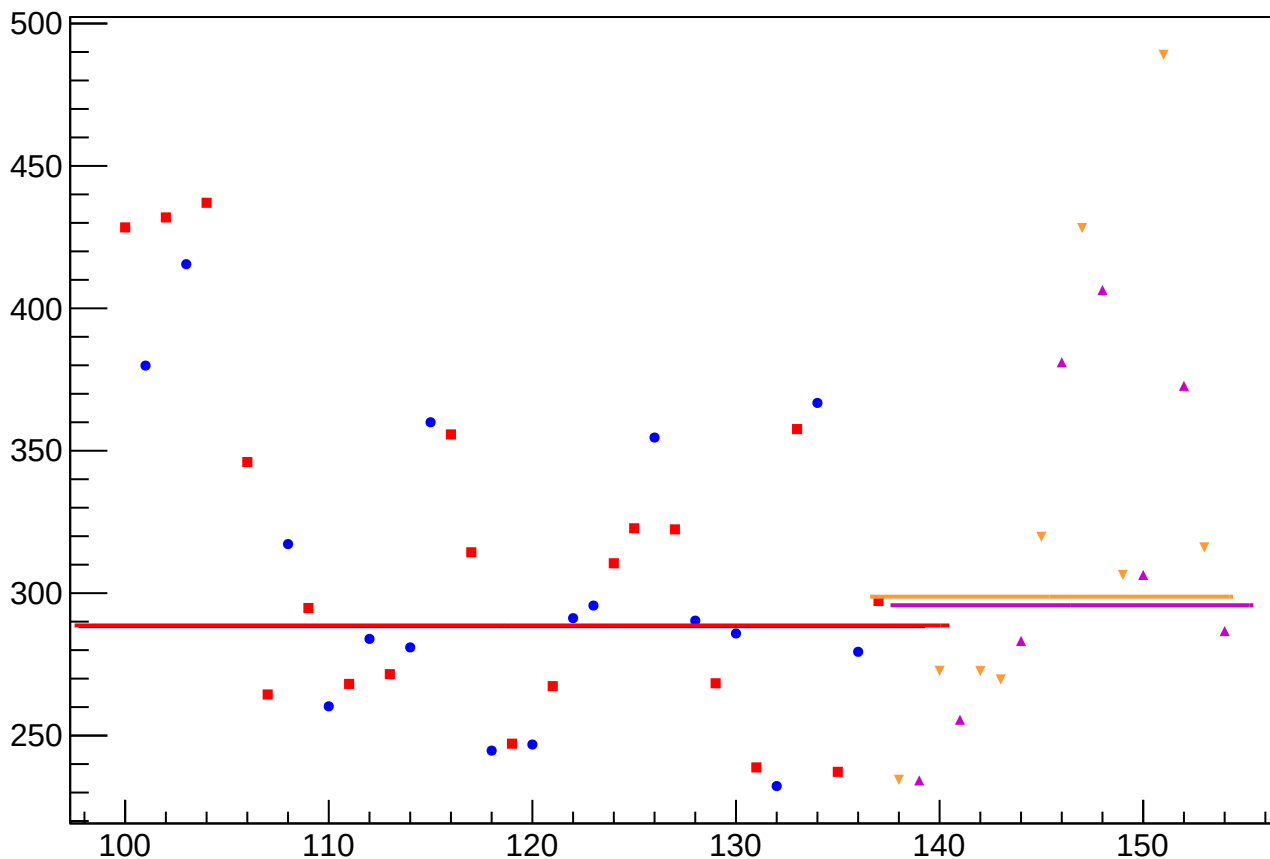
Left In: -612.768+/-119.332 χ^2/NDF : 253.2/7

440.183+/-82.663 χ^2/NDF : 709.1/25

-174.548+/-57.894 χ^2/NDF : 1397.4/53

-766.384+/-81.109 χ^2/NDF : 579.8/27

asym_bpm0r03WS_rms vs Slug, Sign Corrected



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

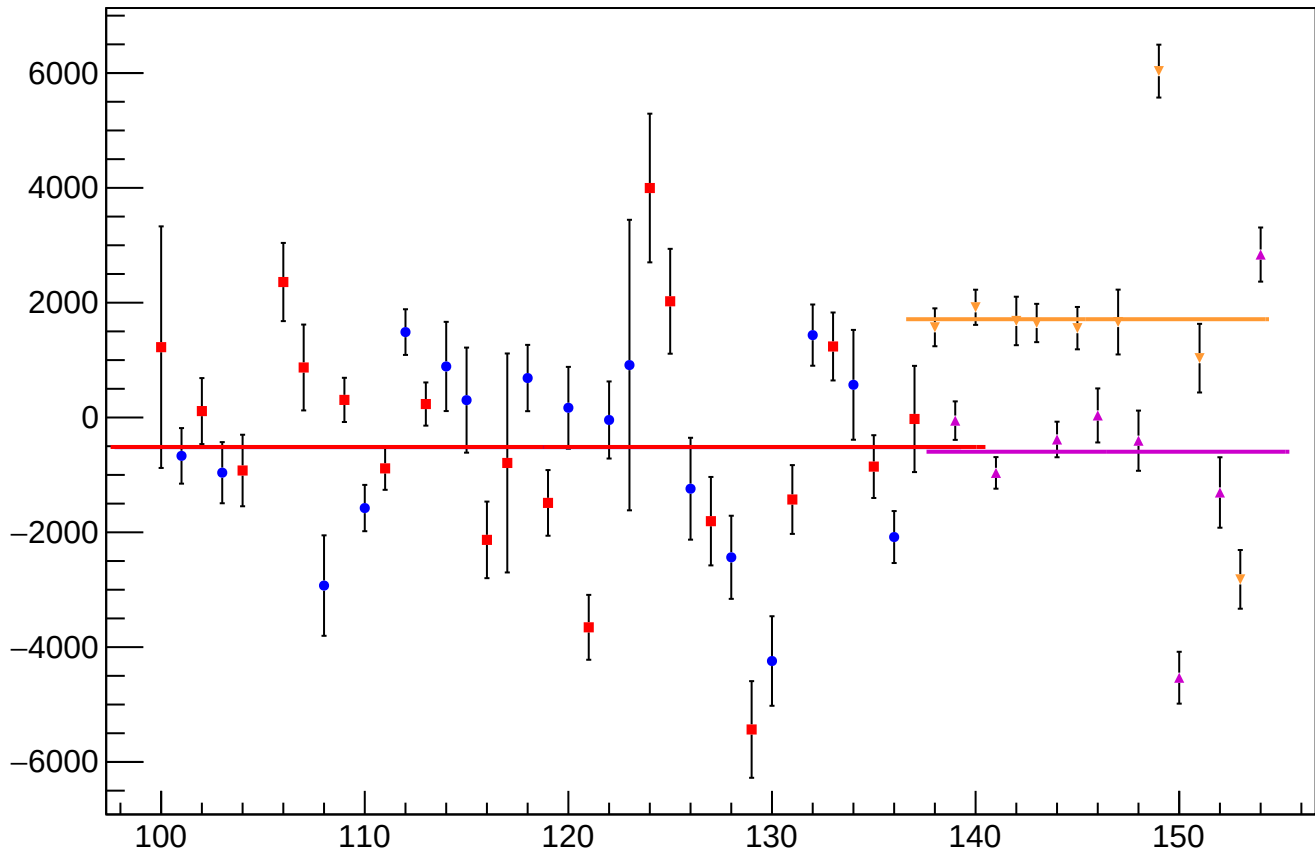
Left In: 295.757+/-0.084 χ^2/NDF : 398818.9/7

293.327+/-0.058 χ^2/NDF : 881787.5/25

292.620+/-0.041 χ^2/NDF : 1740689.4/53

291.938+/-0.057 χ^2/NDF : 858614.3/27

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -515.894 $\pm$ 147.326 χ^2/NDF : 108.0/16

Left Out: 1712.161 $\pm$ 133.346 χ^2/NDF : 168.7/8

Right Out: -513.264 $\pm$ 135.456 χ^2/NDF : 141.3/19

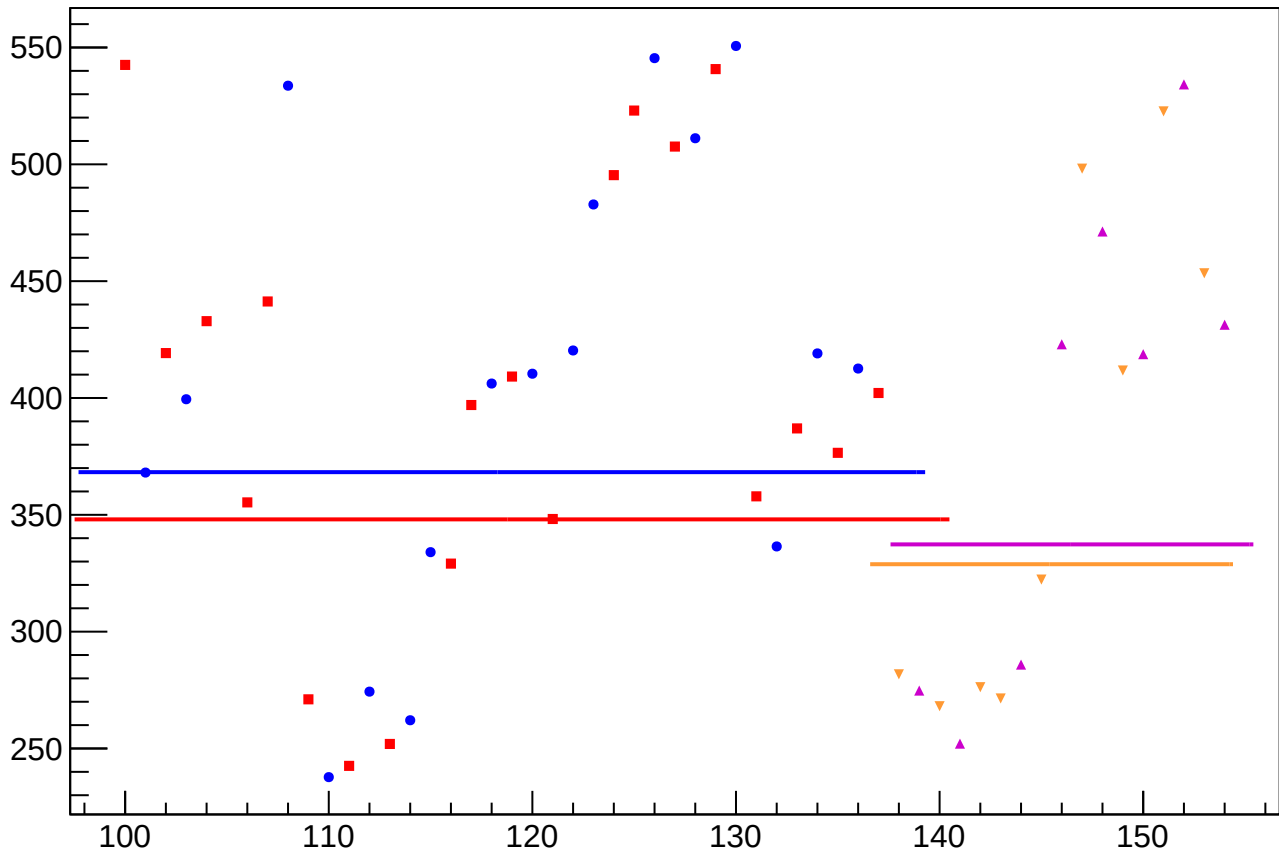
Left In: -596.294 $\pm$ 137.720 χ^2/NDF : 137.2/7

708.842 $\pm$ 98.864 χ^2/NDF : 402.4/25

62.569 $\pm$ 69.083 χ^2/NDF : 764.6/53

-554.091 $\pm$ 96.572 χ^2/NDF : 278.7/27

asym_bpm0r05WS_rms vs Slug, Sign Corrected



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

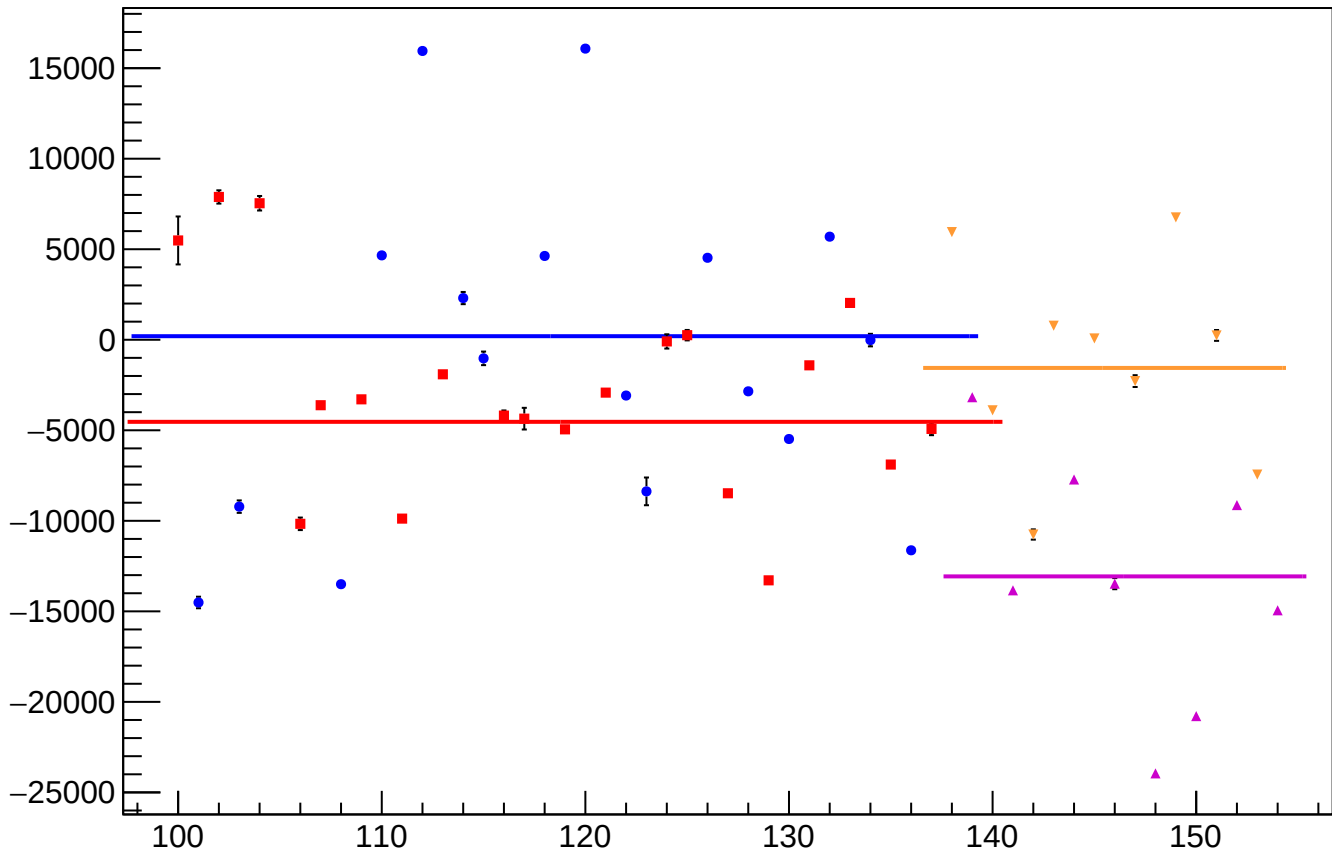
Left In: 337.346+/-0.097 χ^2/NDF : 863724.5/7

346.605+/-0.070 χ^2/NDF : 1632510.1/25

344.651+/-0.049 χ^2/NDF : 3327088.1/53

342.787+/-0.068 χ^2/NDF : 1693051.8/27

asym_bpm0i02WS_mean vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 7477.3/19$

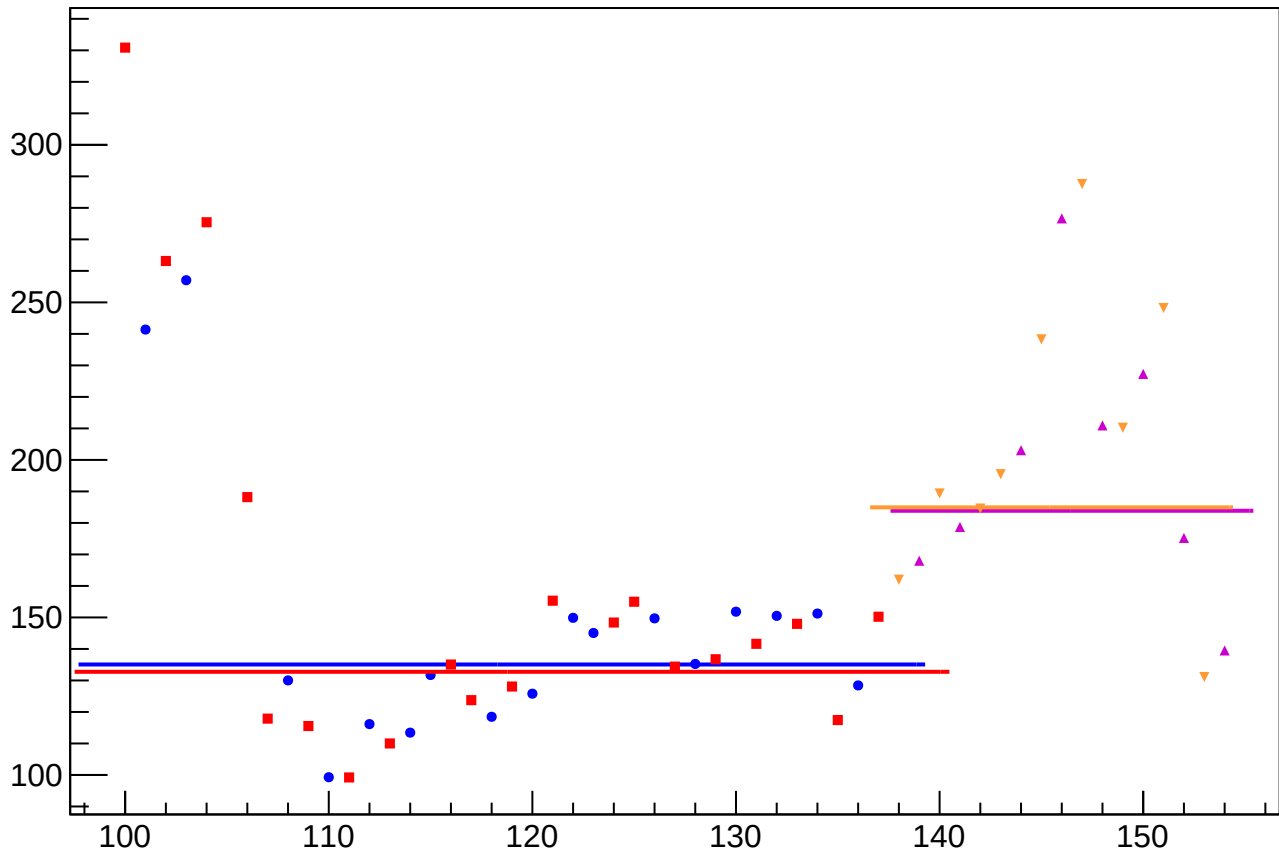
Left In: -13069.433 ± 75.528 $\chi^2/\text{NDF}: 6318.6/7$

-409.858 ± 44.309 $\chi^2/\text{NDF}: 36752.1/25$

-3958.398 ± 30.849 $\chi^2/\text{NDF}: 71634.6/53$

-7296.717 ± 42.976 $\chi^2/\text{NDF}: 22434.6/27$

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 184.940 $\pm$ 0.053 χ^2 /NDF: 685147.0/8

Right Out: 132.747 $\pm$ 0.037 χ^2 /NDF: 831647.2/19

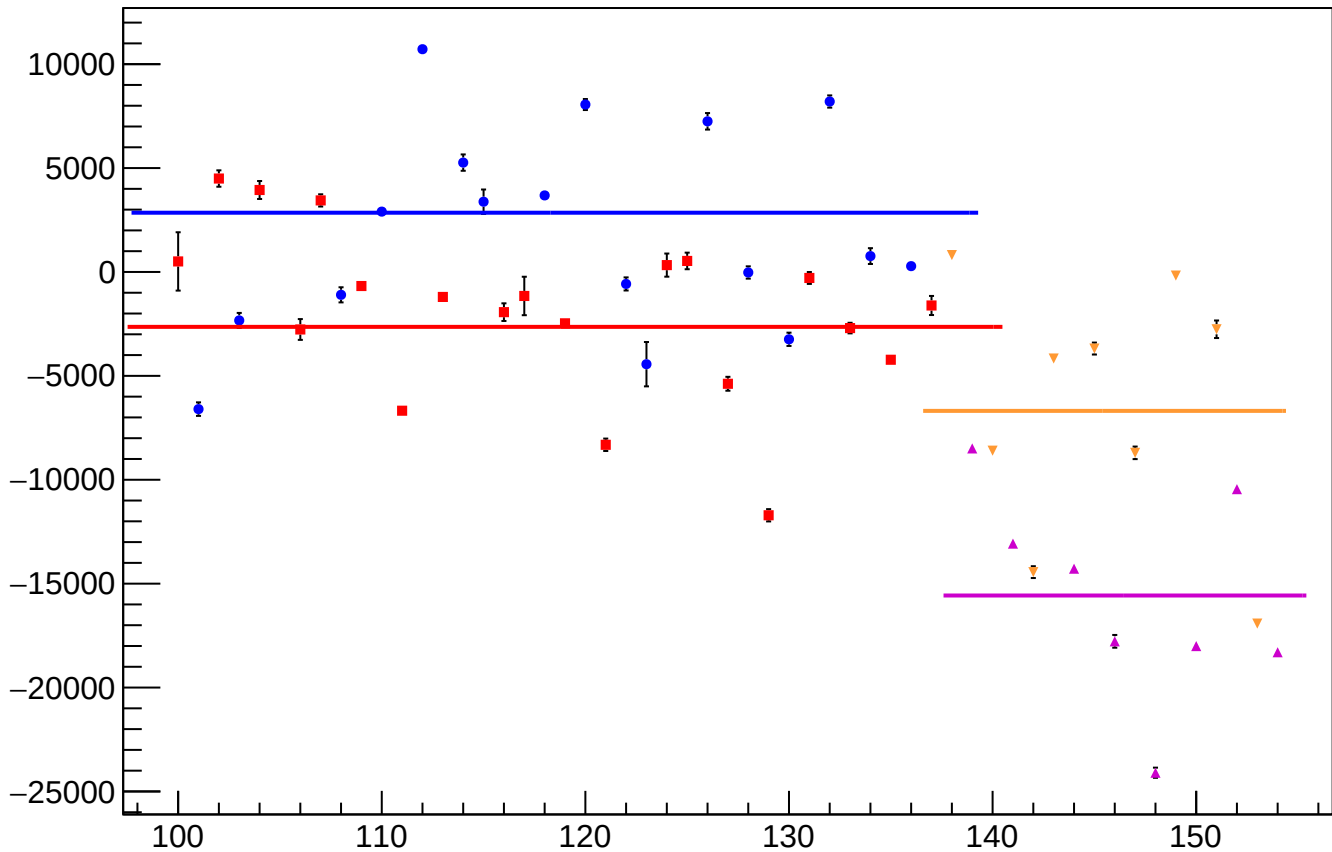
Left In: 183.862 $\pm$ 0.053 χ^2 /NDF: 468650.5/7

152.337 $\pm$ 0.031 χ^2 /NDF: 1917278.5/25

150.770 $\pm$ 0.022 χ^2 /NDF: 3841865.4/53

149.296 $\pm$ 0.030 χ^2 /NDF: 1919734.6/27

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2851.437 $\pm$ 70.753 χ^2 /NDF: 4178.1/16

Left Out: -6685.300 $\pm$ 81.558 χ^2 /NDF:6127.2/8

Right Out: -2641.642 $\pm$ 65.566 χ^2 /NDF: 3178.3/19

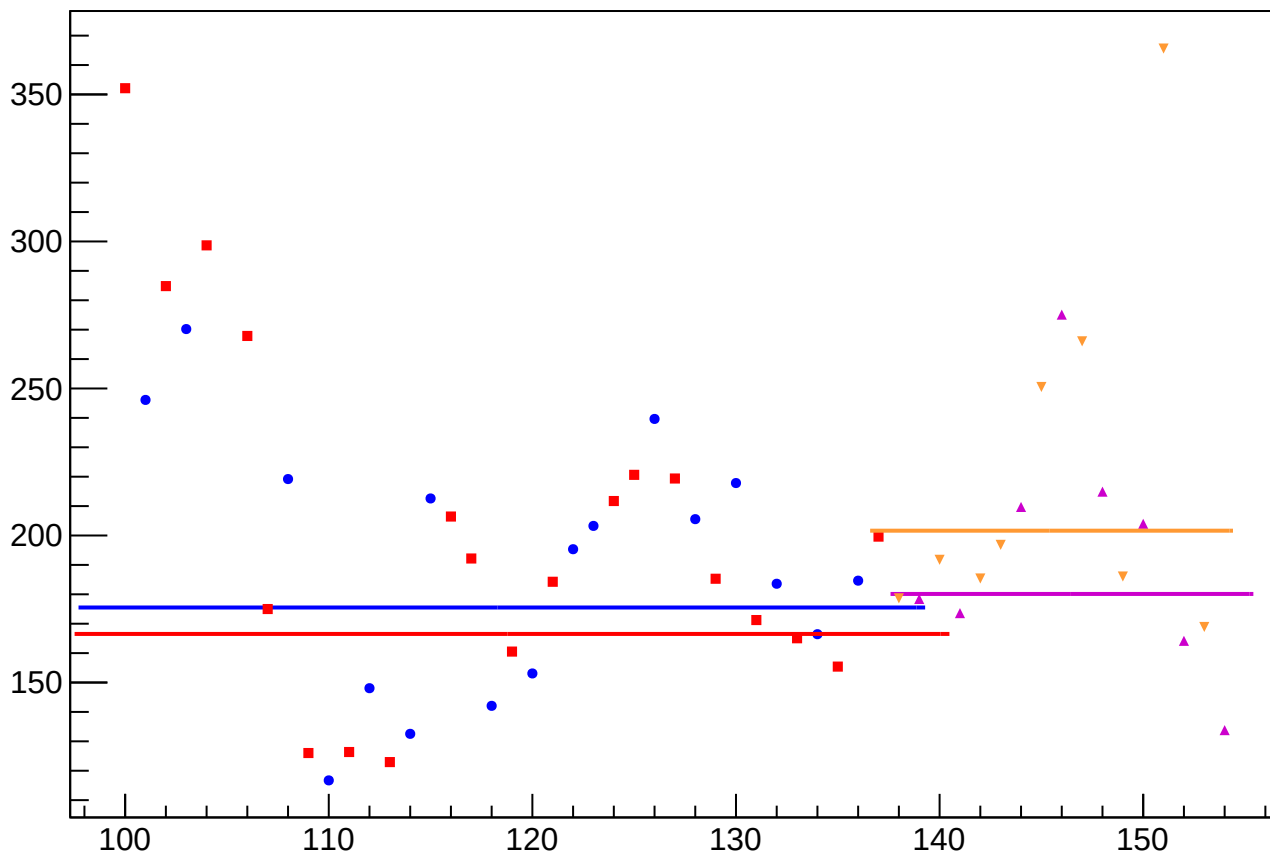
Left In: -15570.196 $\pm$ 74.245 χ^2 /NDF:3498.3/7

-1243.806 $\pm$ 53.445 χ^2 /NDF: 18107.0/25

-5070.553 $\pm$ 36.176 χ^2 /NDF: 51281.9/53

-8306.373 $\pm$ 49.145 χ^2 /NDF: 23712.9/27

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 201.637 $\pm$ 0.058 χ^2 /NDF: 552158.6/8

Right Out: 166.522 $\pm$ 0.046 χ^2 /NDF: 931079.9/19

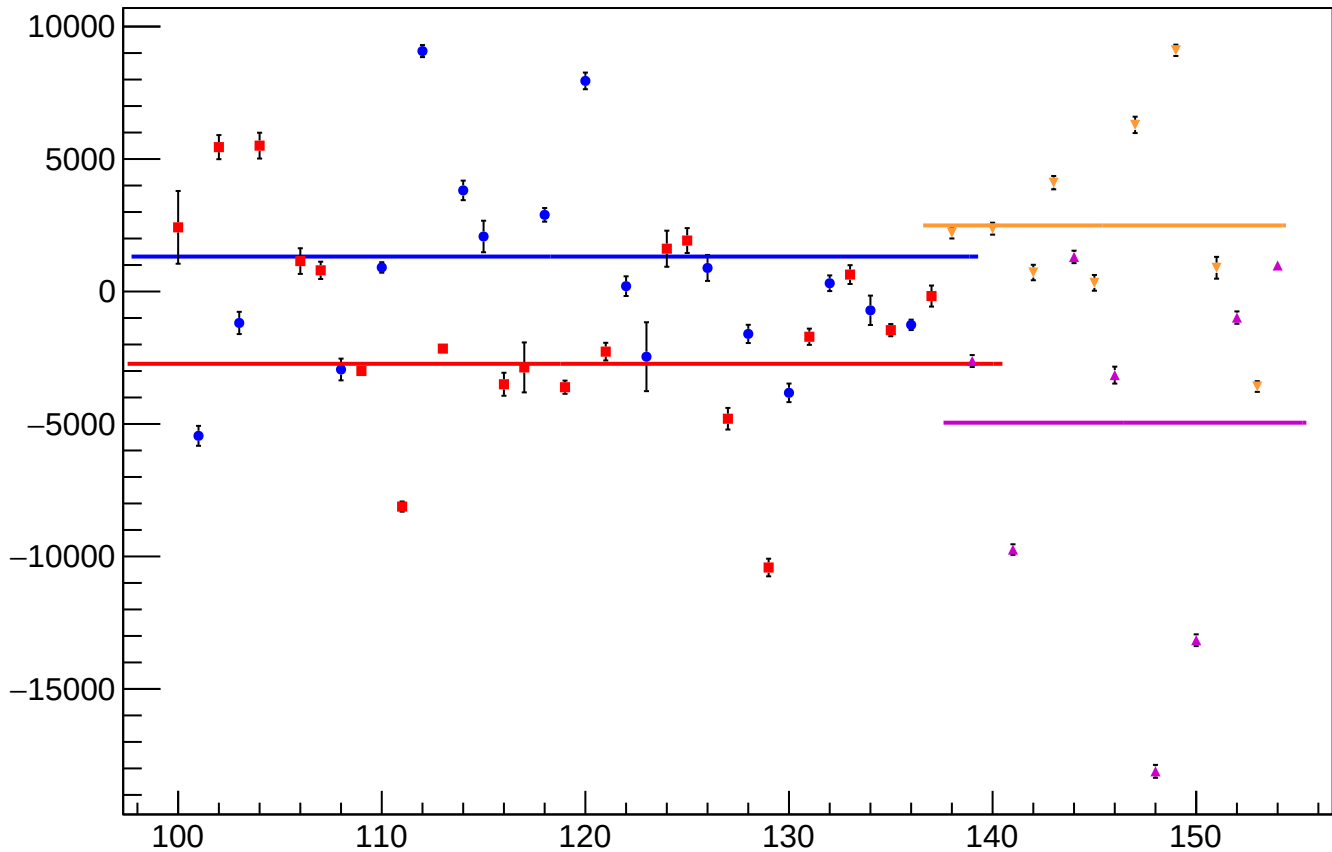
Left In: 180.122 $\pm$ 0.052 χ^2 /NDF: 498954.0/7

186.732 $\pm$ 0.038 χ^2 /NDF: 1358875.5/25

179.010 $\pm$ 0.026 χ^2 /NDF: 2903660.2/53

172.481 $\pm$ 0.035 χ^2 /NDF: 1467736.6/27

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1319.009 $\pm$ 77.146 χ^2 /NDF: 2667.0/16

Left Out: 2493.393 $\pm$ 84.003 χ^2 /NDF:2160.3/8

Right Out: -2728.550 $\pm$ 69.837 χ^2 /NDF: 2495.9/19

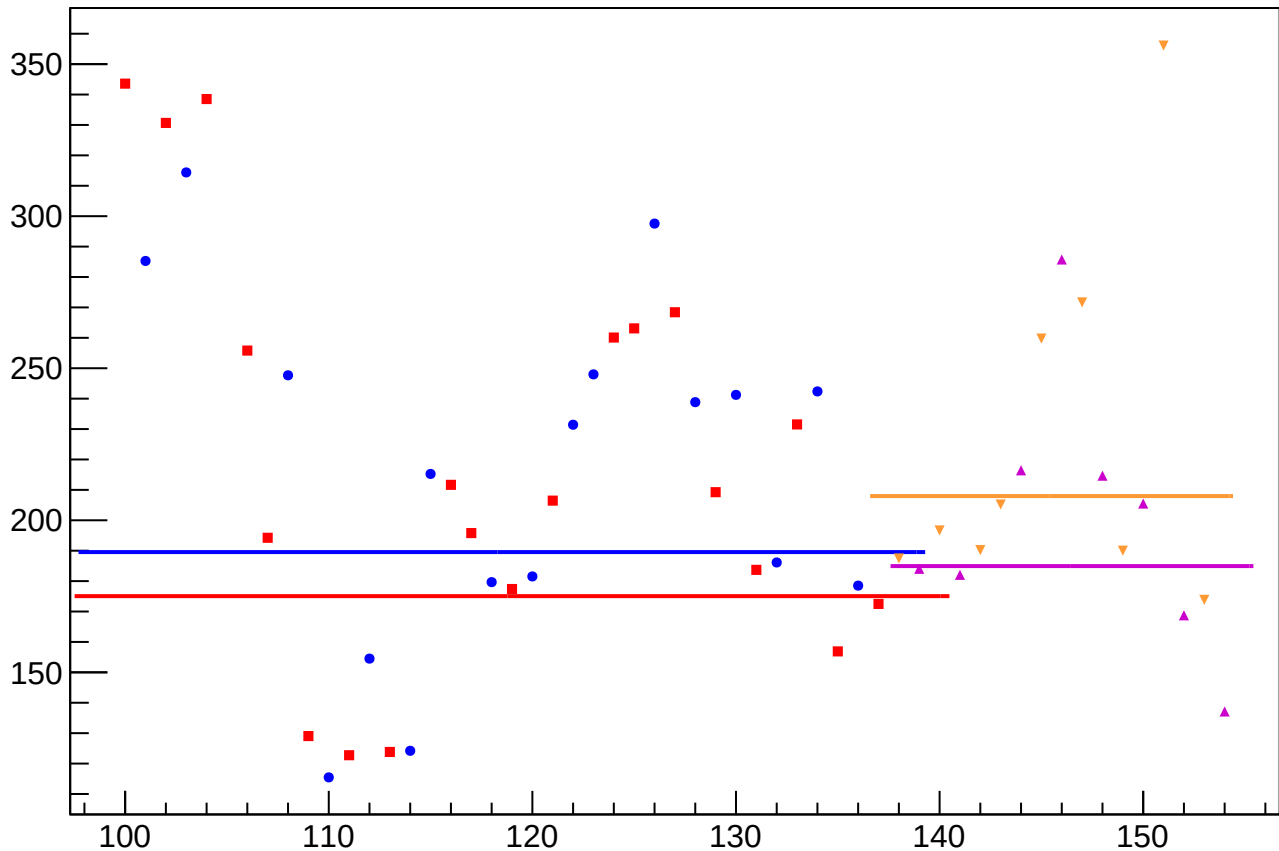
Left In: -4951.227 $\pm$ 76.261 χ^2 /NDF:7530.1/7

1856.317 $\pm$ 56.820 χ^2 /NDF: 4933.4/25

-1217.114 $\pm$ 38.160 χ^2 /NDF: 20751.2/53

-3742.334 $\pm$ 51.504 χ^2 /NDF: 10488.1/27

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 207.960 $\pm$ 0.059 χ^2 /NDF: 504745.7/8

Right Out: 175.058 $\pm$ 0.049 χ^2 /NDF: 1298079.7/19

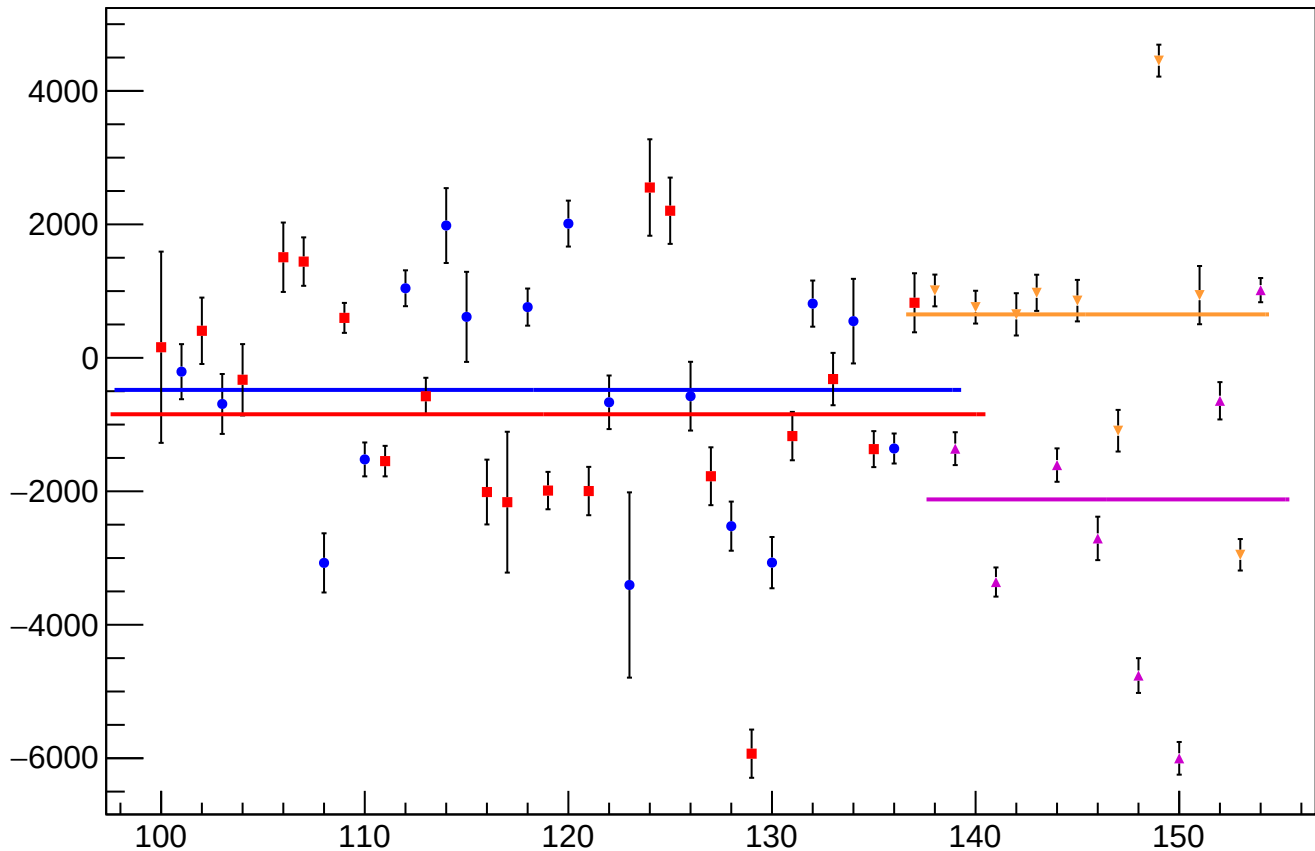
Left In: 184.939 $\pm$ 0.054 χ^2 /NDF: 491643.1/7

197.970 $\pm$ 0.040 χ^2 /NDF: 1537631.7/25

187.866 $\pm$ 0.027 χ^2 /NDF: 3460812.9/53

179.565 $\pm$ 0.036 χ^2 /NDF: 1807982.9/27

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -480.578 ± 88.640 $\chi^2/\text{NDF}: 290.7/16$

Left Out: 651.018 ± 91.652 $\chi^2/\text{NDF}: 521.5/8$

Right Out: -845.444 ± 81.995 $\chi^2/\text{NDF}: 436.9/19$

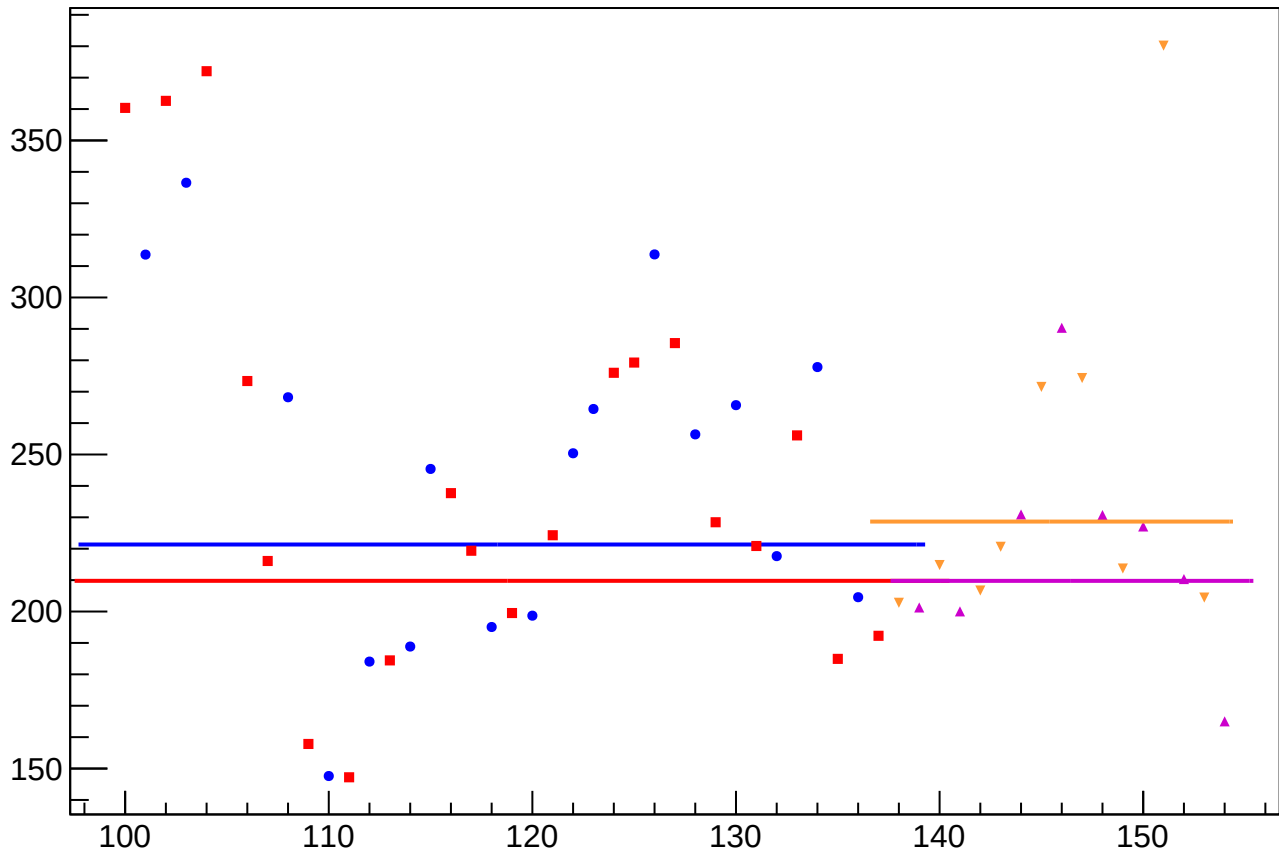
Left In: -2121.523 ± 85.304 $\chi^2/\text{NDF}: 729.6/7$

66.324 ± 63.716 $\chi^2/\text{NDF}: 891.0/25$

-753.002 ± 43.336 $\chi^2/\text{NDF}: 2481.4/53$

-1458.250 ± 59.114 $\chi^2/\text{NDF}: 1282.8/27$

asym_bpm0i07WS_rms vs Slug, Sign Corrected



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

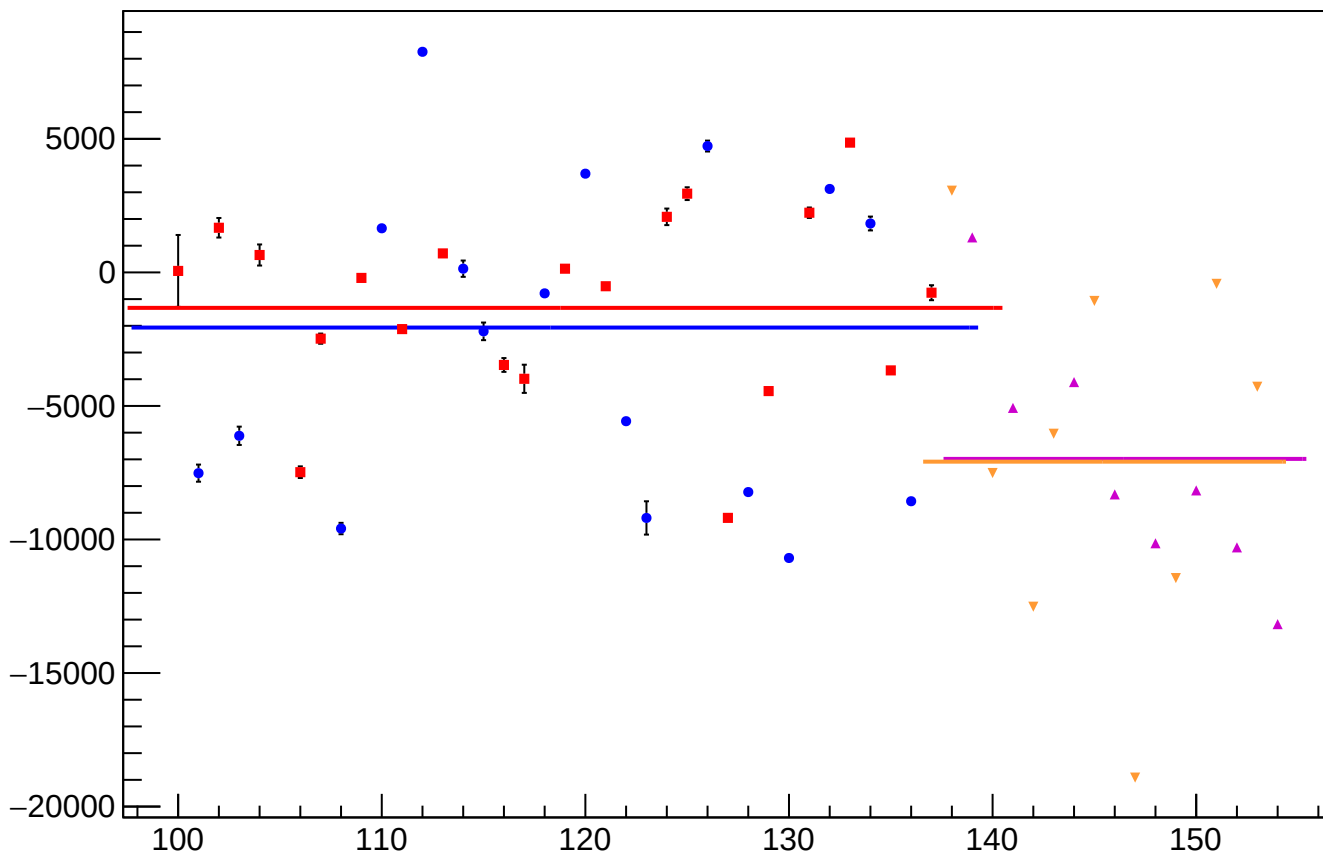
Left In: 209.764 +/- 0.060 χ^2/NDF : 287882.0/7

224.872 +/- 0.045 χ^2/NDF : 1044603.9/25

216.756 +/- 0.031 χ^2/NDF : 2276949.9/53

209.770 +/- 0.042 χ^2/NDF : 1171965.7/27

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.160 $\pm$ 47.322 χ^2/NDF : 16533.3/16

Left Out: -7086.240 $\pm$ 44.415 χ^2/NDF : 22603.5/8

Right Out: -1327.819 $\pm$ 44.838 χ^2/NDF : 5919.9/19

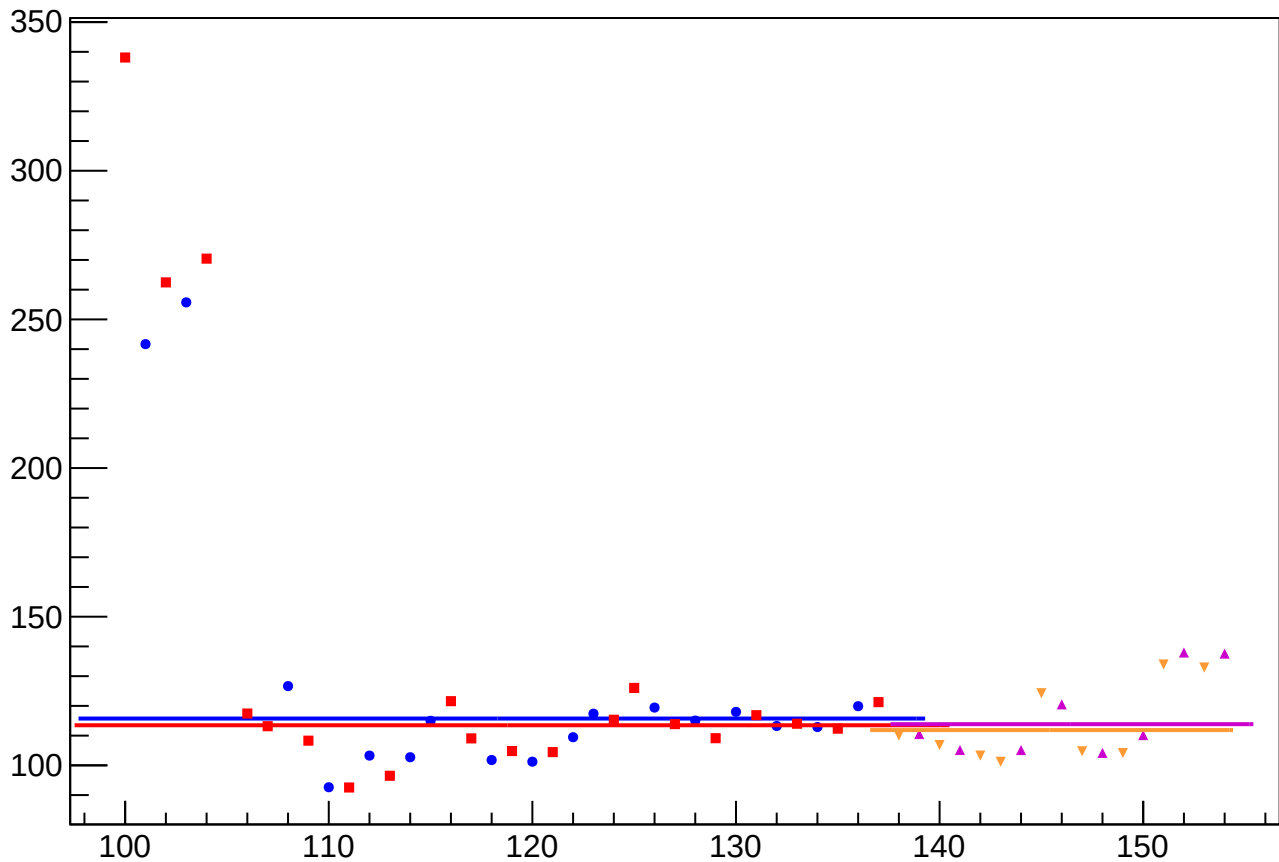
Left In: -6982.761 $\pm$ 45.245 χ^2/NDF : 7637.2/7

-4734.652 $\pm$ 32.385 χ^2/NDF : 45122.3/25

-4427.141 $\pm$ 22.708 χ^2/NDF : 66737.7/53

-4129.739 $\pm$ 31.848 χ^2/NDF : 21438.1/27

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 ± 0.033 $\chi^2/\text{NDF}: 744017.7/16$

Left Out: 111.864 ± 0.031 $\chi^2/\text{NDF}: 137245.5/8$

Right Out: 113.487 ± 0.032 $\chi^2/\text{NDF}: 796781.7/19$

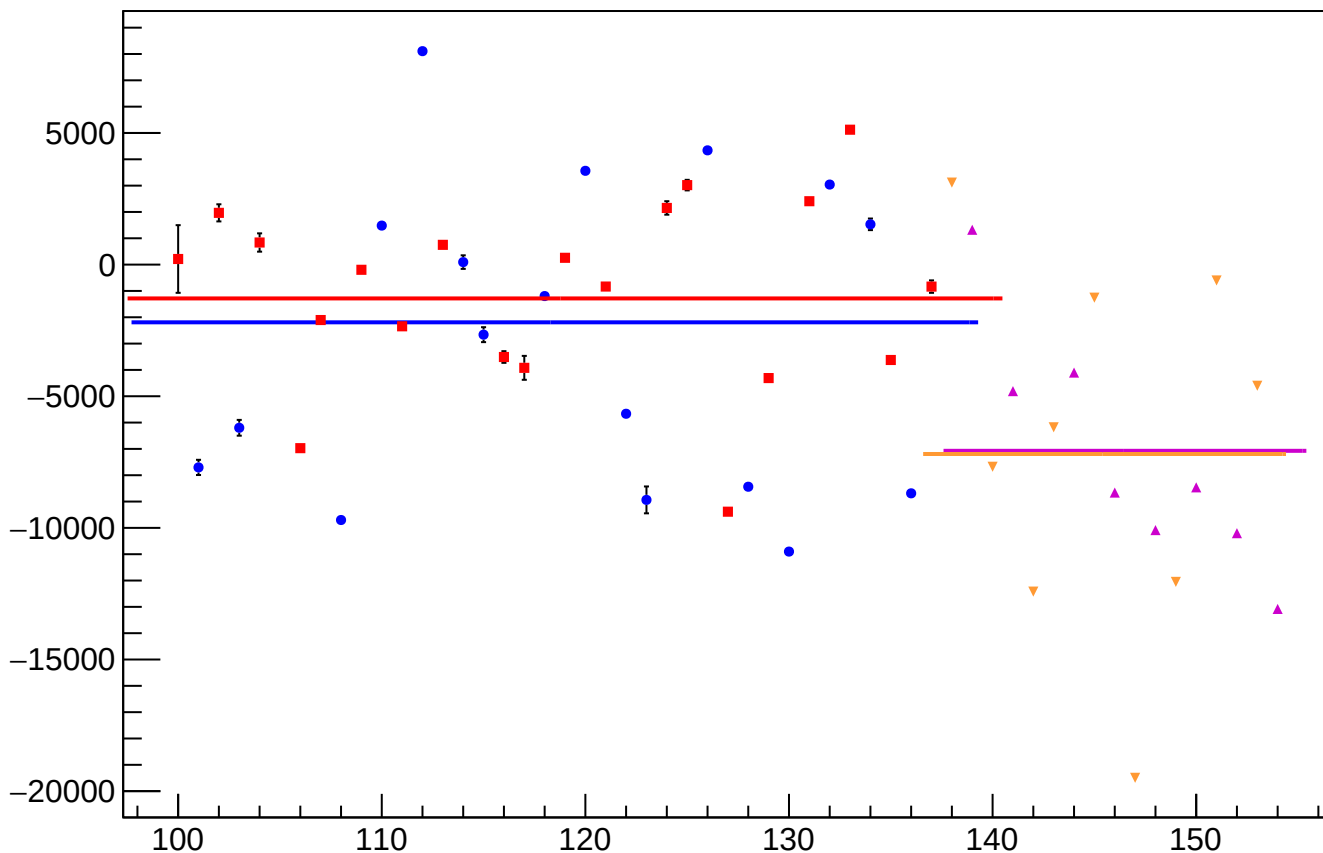
Left In: 113.850 ± 0.032 $\chi^2/\text{NDF}: 143763.8/7$

113.680 ± 0.023 $\chi^2/\text{NDF}: 888398.9/25$

113.673 ± 0.016 $\chi^2/\text{NDF}: 1829009.7/53$

113.667 ± 0.023 $\chi^2/\text{NDF}: 940610.7/27$

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2192.327 ± 39.944 $\chi^2/\text{NDF}: 22813.5/16$

Left Out: -7193.531 ± 40.639 $\chi^2/\text{NDF}: 27279.1/8$

Right Out: -1284.692 ± 37.915 $\chi^2/\text{NDF}: 8584.4/19$

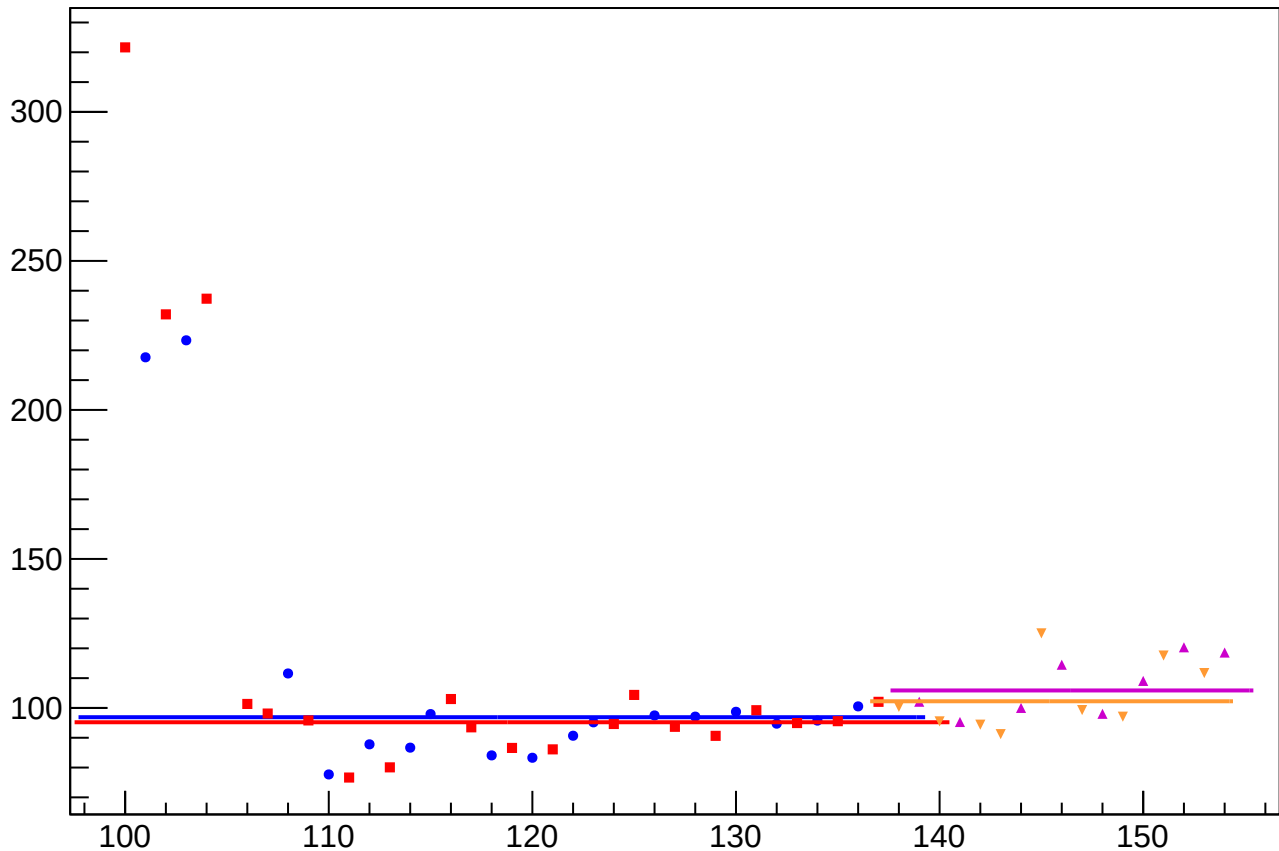
Left In: -7072.896 ± 42.039 $\chi^2/\text{NDF}: 9305.5/7$

-4649.812 ± 28.487 $\chi^2/\text{NDF}: 57795.7/25$

-4260.942 ± 20.025 $\chi^2/\text{NDF}: 86508.0/53$

-3881.076 ± 28.155 $\chi^2/\text{NDF}: 28343.9/27$

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 96.894 ± 0.028 $\chi^2/\text{NDF}: 817229.9/16$

Left Out: 102.241 ± 0.029 $\chi^2/\text{NDF}: 126207.0/8$

Right Out: 95.201 ± 0.027 $\chi^2/\text{NDF}: 859838.2/19$

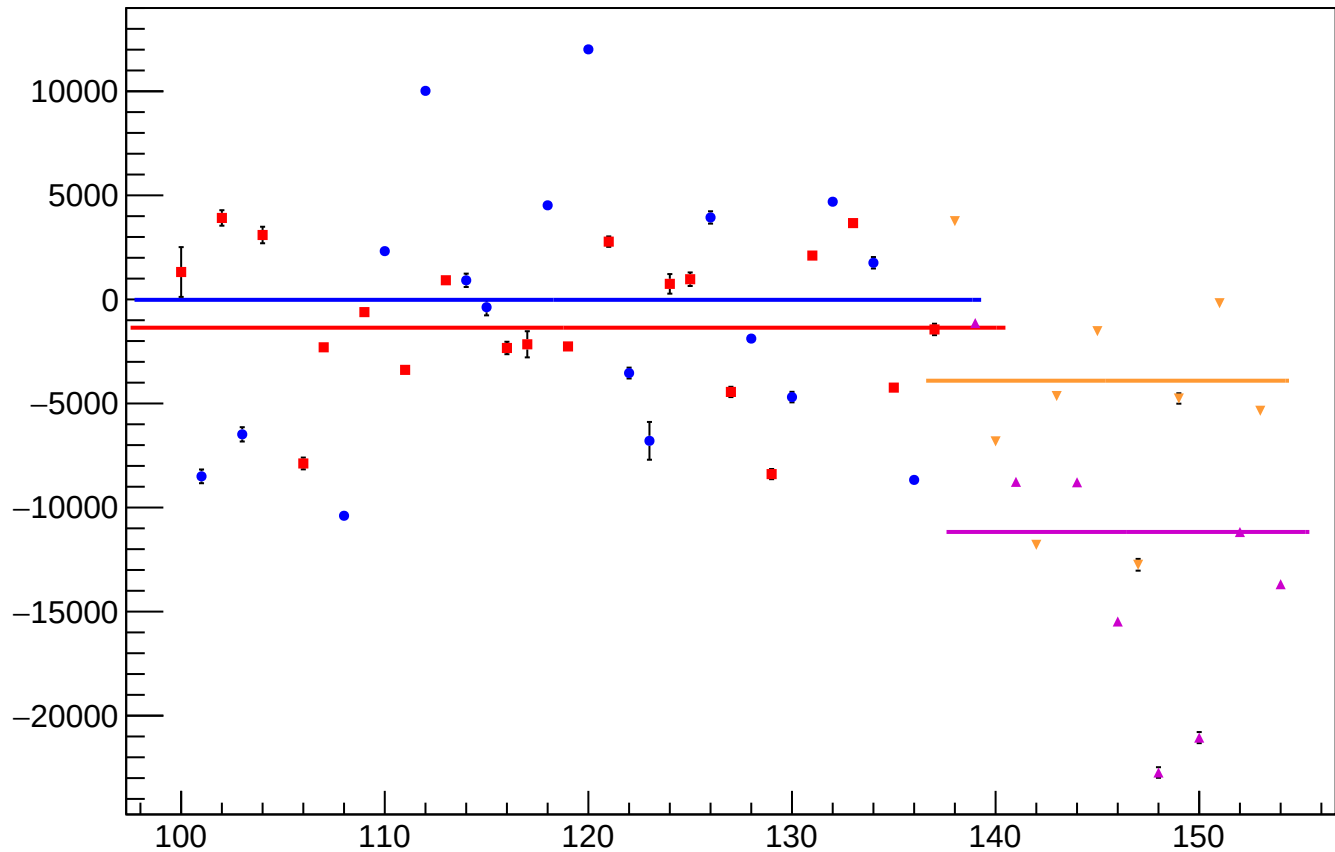
Left In: 105.871 ± 0.030 $\chi^2/\text{NDF}: 91130.6/7$

99.521 ± 0.020 $\chi^2/\text{NDF}: 961046.7/25$

99.757 ± 0.014 $\chi^2/\text{NDF}: 1983321.5/53$

99.987 ± 0.020 $\chi^2/\text{NDF}: 1022004.1/27$

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -19.990 ± 54.643 χ^2/NDF : 16361.0/16

Left Out: -3905.745 ± 64.143 χ^2/NDF : 5371.7/8

Right Out: -1359.001 ± 52.186 χ^2/NDF : 3838.8/19

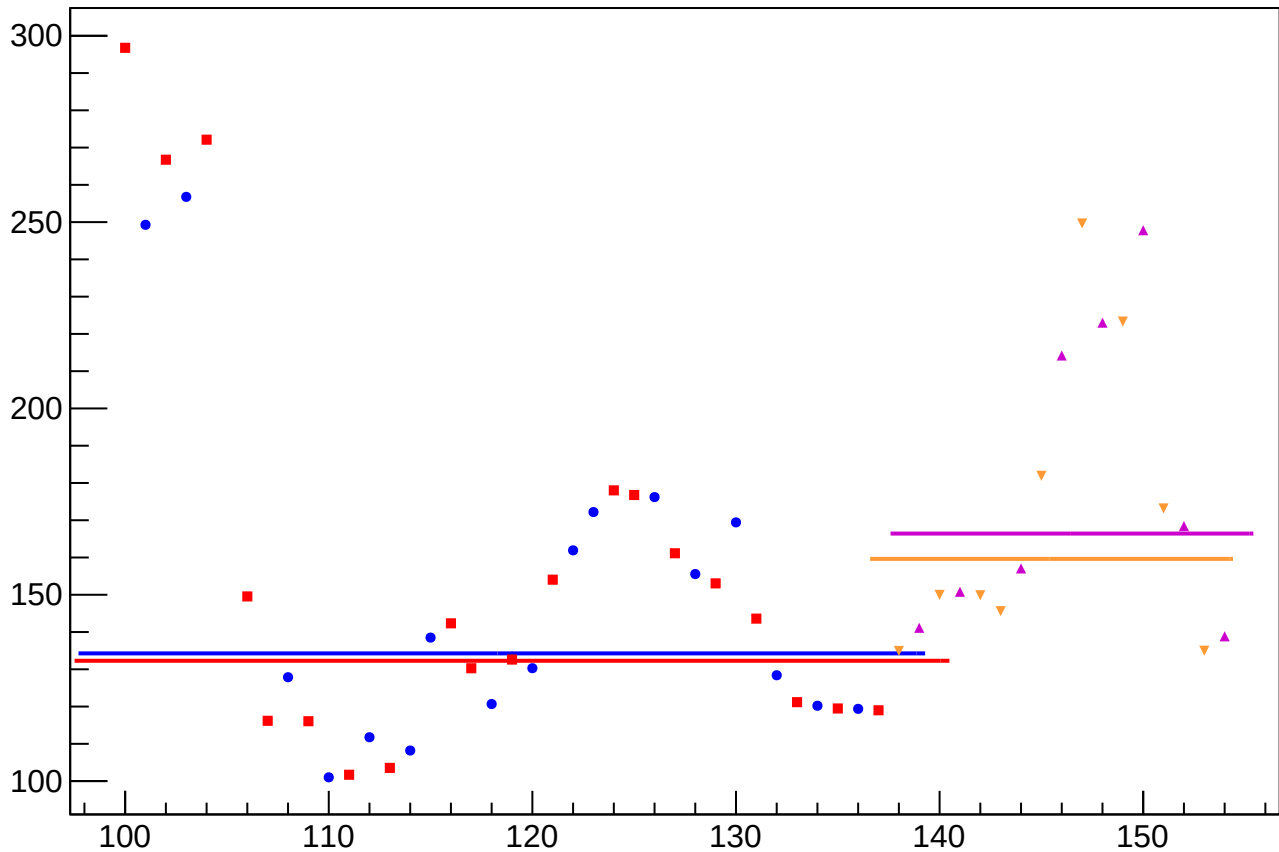
Left In: -11172.831 ± 67.253 χ^2/NDF : 7769.9/7

-1654.085 ± 41.596 χ^2/NDF : 23859.3/25

-3365.704 ± 29.282 χ^2/NDF : 52115.7/53

-5047.275 ± 41.229 χ^2/NDF : 24899.7/27

asym_bpm1i06WS_rms vs Slug, Sign Corrected



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

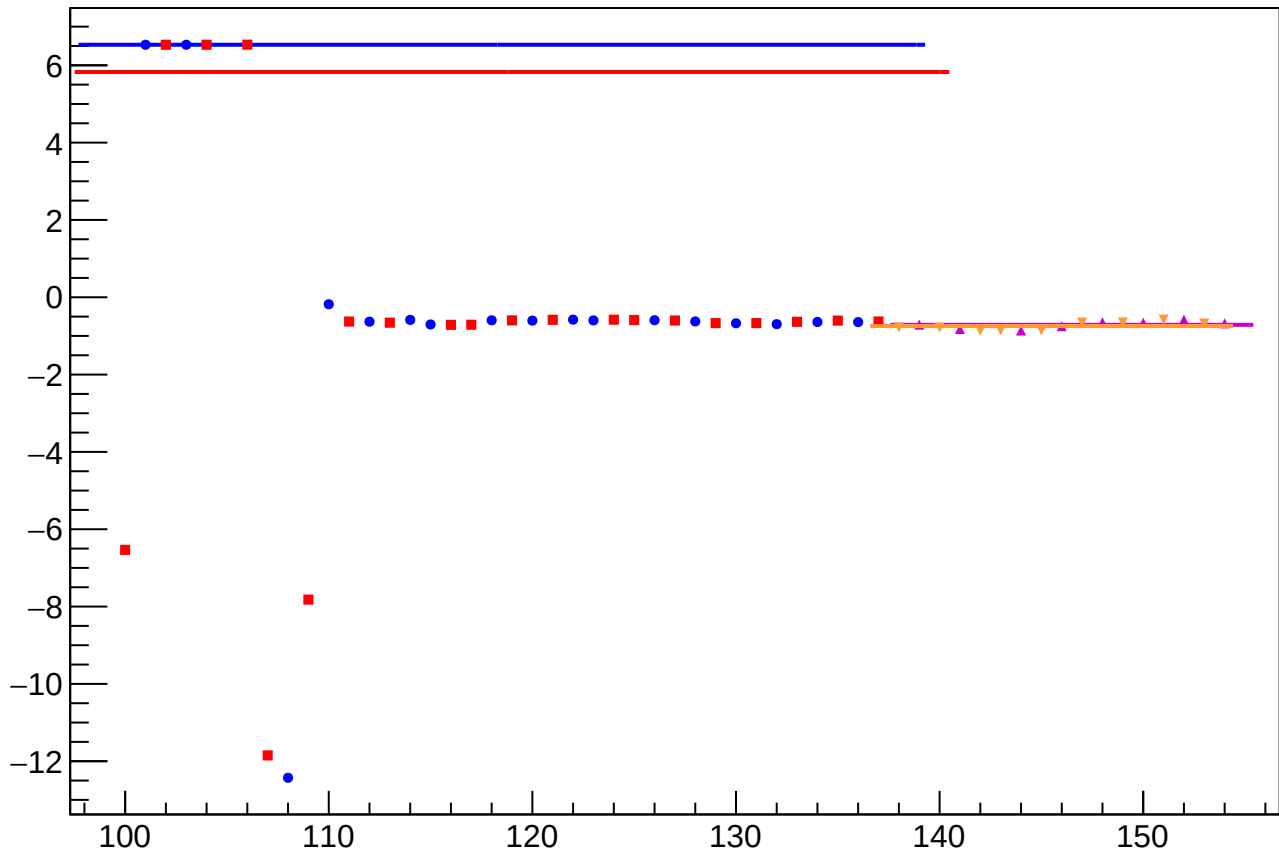
Left In: 166.424+/-0.048 χ^2/NDF : 497520.1/7

144.932+/-0.029 χ^2/NDF : 1457334.0/25

145.026+/-0.021 χ^2/NDF : 3146391.5/53

145.117+/-0.029 χ^2/NDF : 1689037.6/27

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF : 127906780672.7/16

Left Out: -0.743+/-0.000 χ^2/NDF : 67147104.6/8

Right Out: 5.827+/-0.000 χ^2/NDF : 755949520765363.8/19

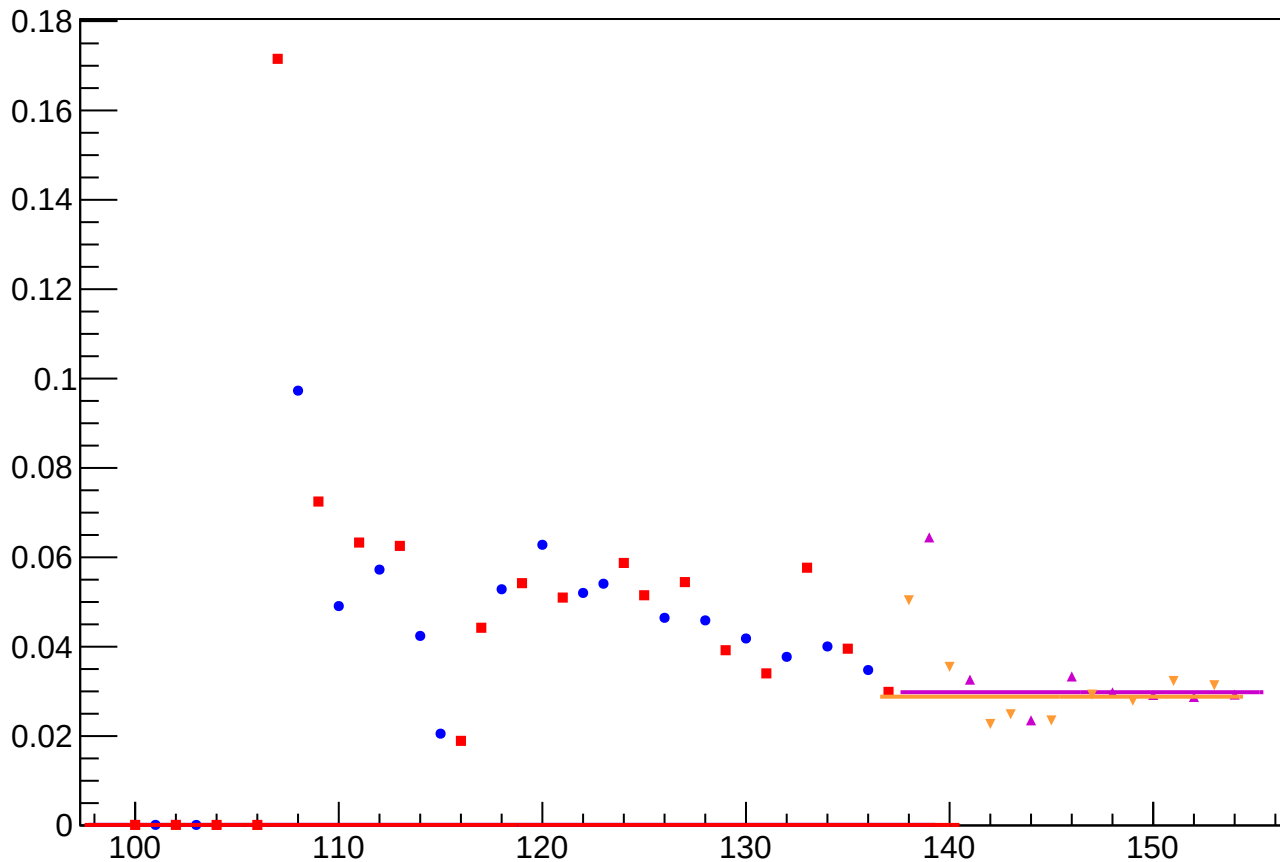
Left In: -0.713+/-0.000 χ^2/NDF : 53534147.7/7

6.531+/-0.000 χ^2/NDF : 443850670129.3/25

6.154+/-0.000 χ^2/NDF : 77663204831388

5.827+/-0.000 χ^2/NDF : 756191861770867.9/27

yield_cav4bX_rms vs Slug, Sign Corrected



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

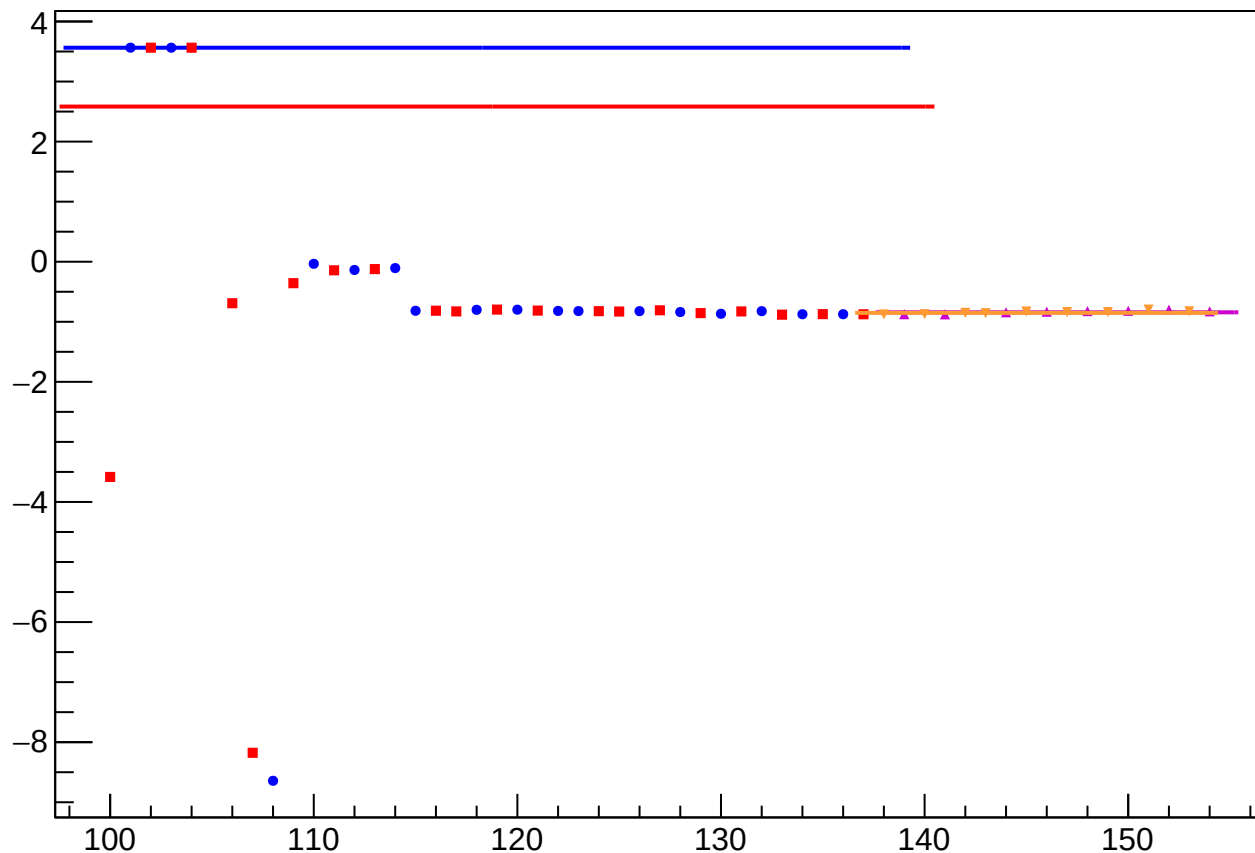
Left In: 0.030+/-0.000 χ^2/NDF : 494336.9/7

0.000+/-0.000 χ^2/NDF : 19263592.0/25

0.000+/-0.000 χ^2/NDF : 39199235.2/53

0.000+/-0.000 χ^2/NDF : 19935294.2/27

yield_cav4bY_mean vs Slug, Sign Corrected



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

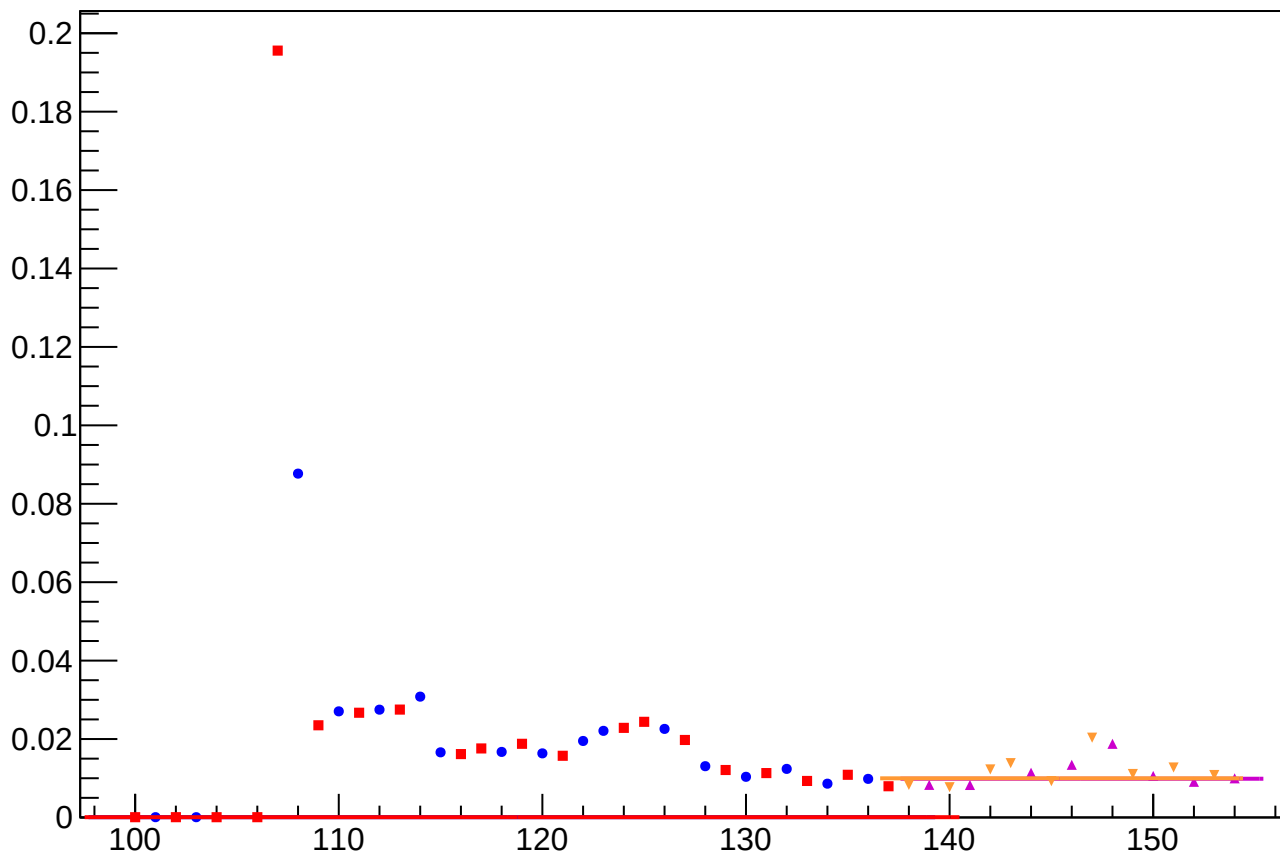
Left In: -0.842+/-0.000 χ^2/NDF : 46522205.8/7

3.562+/-0.000 χ^2/NDF : 1447702880376.8/25

3.040+/-0.000 χ^2/NDF : 13837872631900

2.583+/-0.000 χ^2/NDF : 1254110527008677.0/2

yield_cav4bY_rms vs Slug, Sign Corrected



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

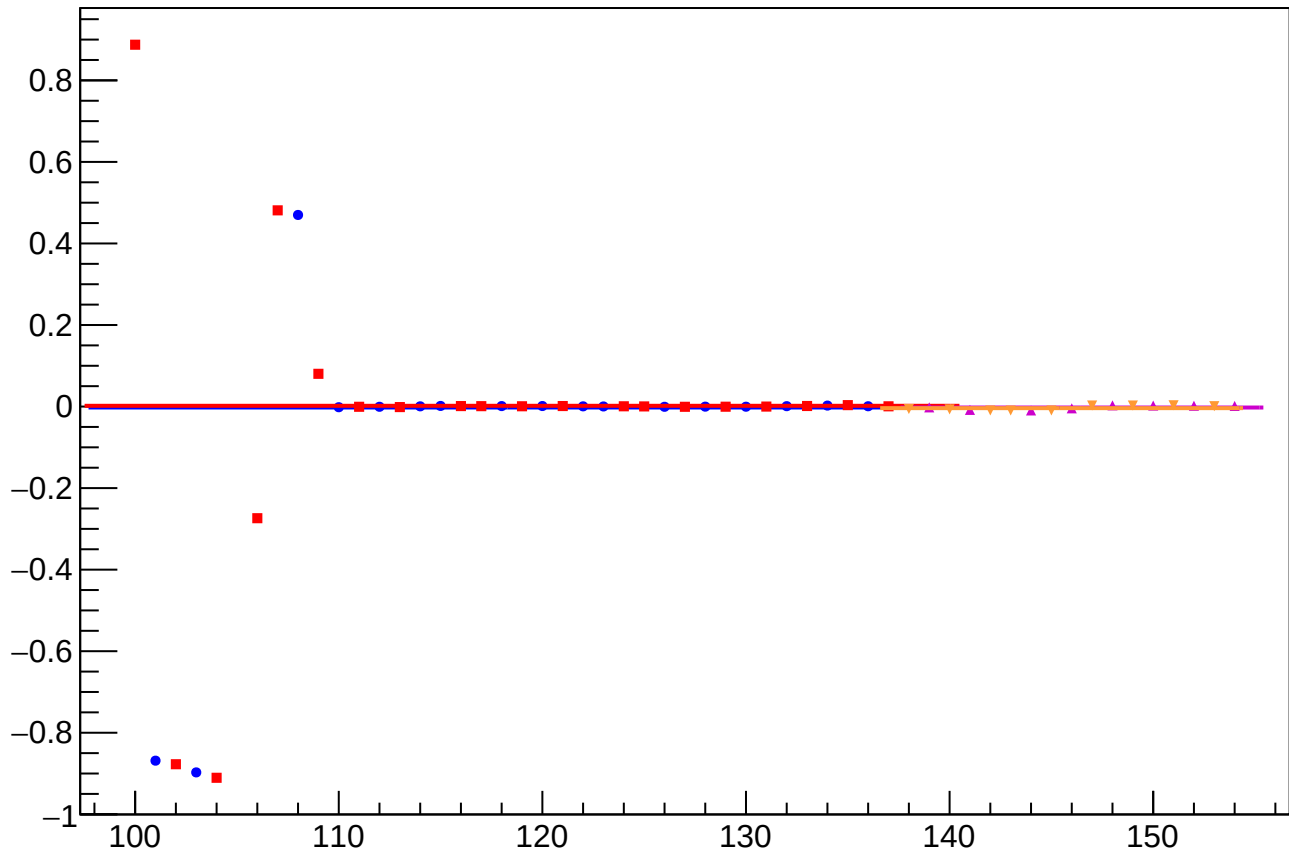
Left In: 0.010+/-0.000 χ^2/NDF : 532147.0/7

0.000+/-0.000 χ^2/NDF : 20251768.7/25

0.000+/-0.000 χ^2/NDF : 40635489.7/53

0.000+/-0.000 χ^2/NDF : 20383329.7/27

yield_cav4cX_mean vs Slug, Sign Corrected



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

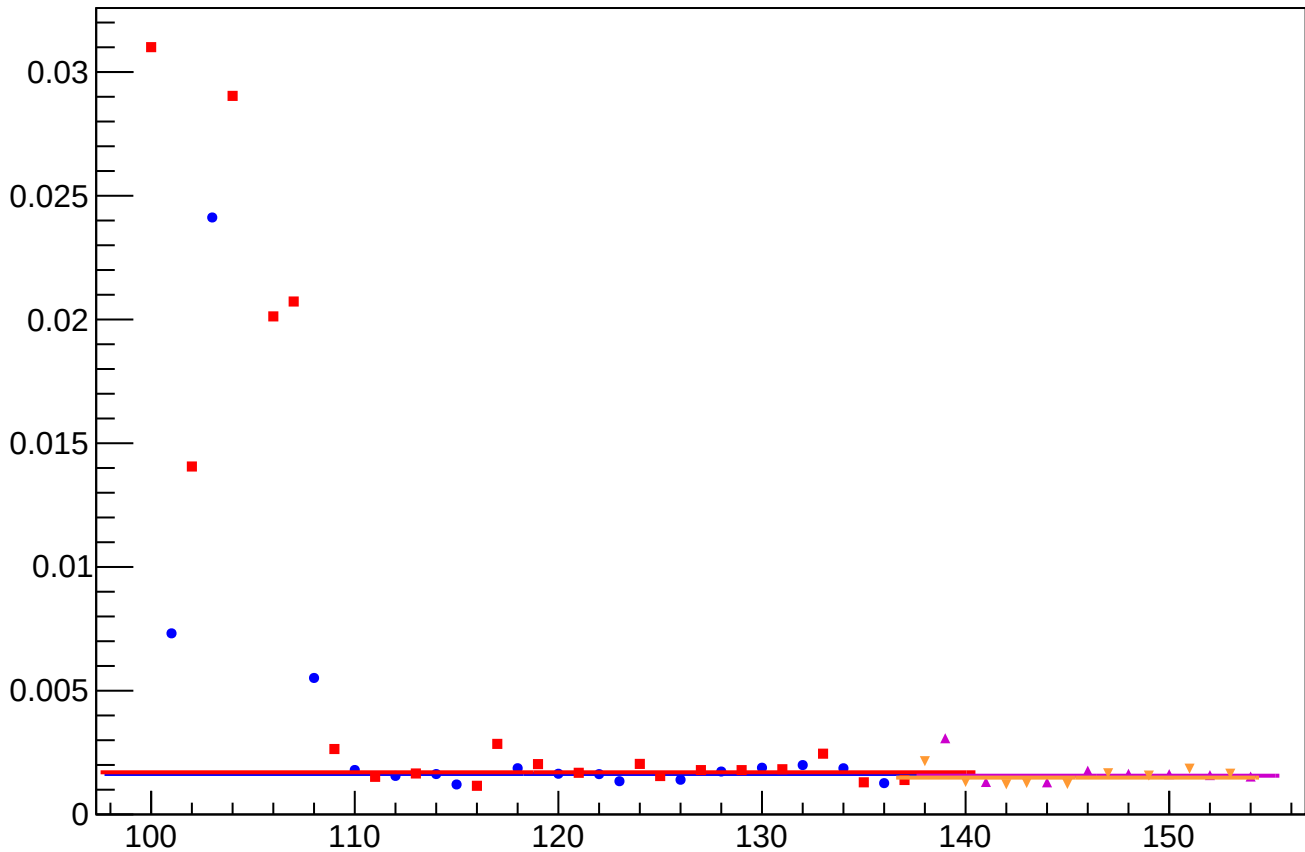
Left In: -0.002+/-0.000 χ^2/NDF : 53215735.7/7

-0.003+/-0.000 χ^2/NDF : 9864959588.0/25

-0.002+/-0.000 χ^2/NDF : 12988514299.3/5

-0.001+/-0.000 χ^2/NDF : 3110462462.3/27

yield_cav4cX_rms vs Slug, Sign Corrected



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

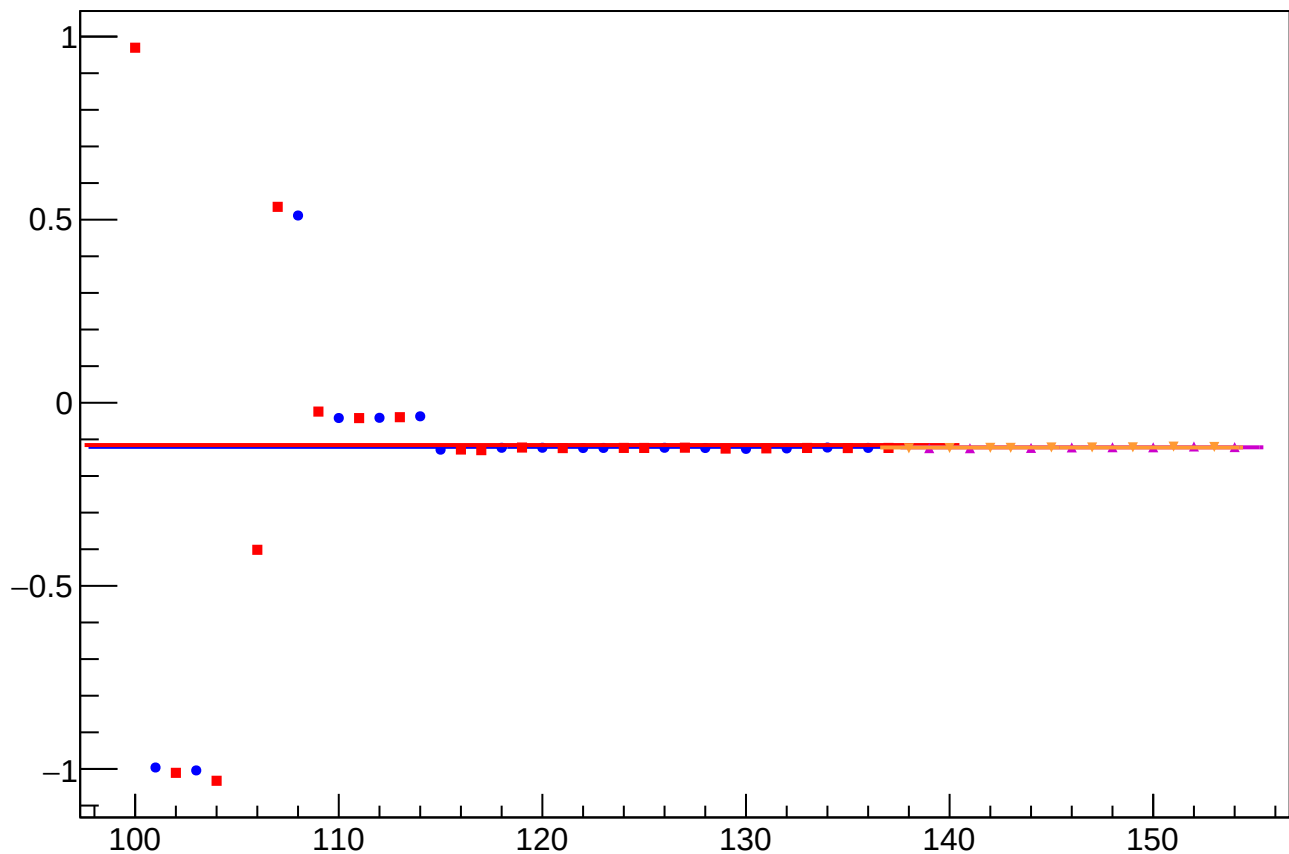
Left In: 0.002+/-0.000 χ^2/NDF : 445231.1/7

0.002+/-0.000 χ^2/NDF : 2279248.5/25

0.002+/-0.000 χ^2/NDF : 5815930.6/53

0.002+/-0.000 χ^2/NDF : 3517233.8/27

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.122+/-0.000 χ^2/NDF : 8391534.4/8

Right Out: -0.115+/-0.000 χ^2/NDF : 2458720596.9/19

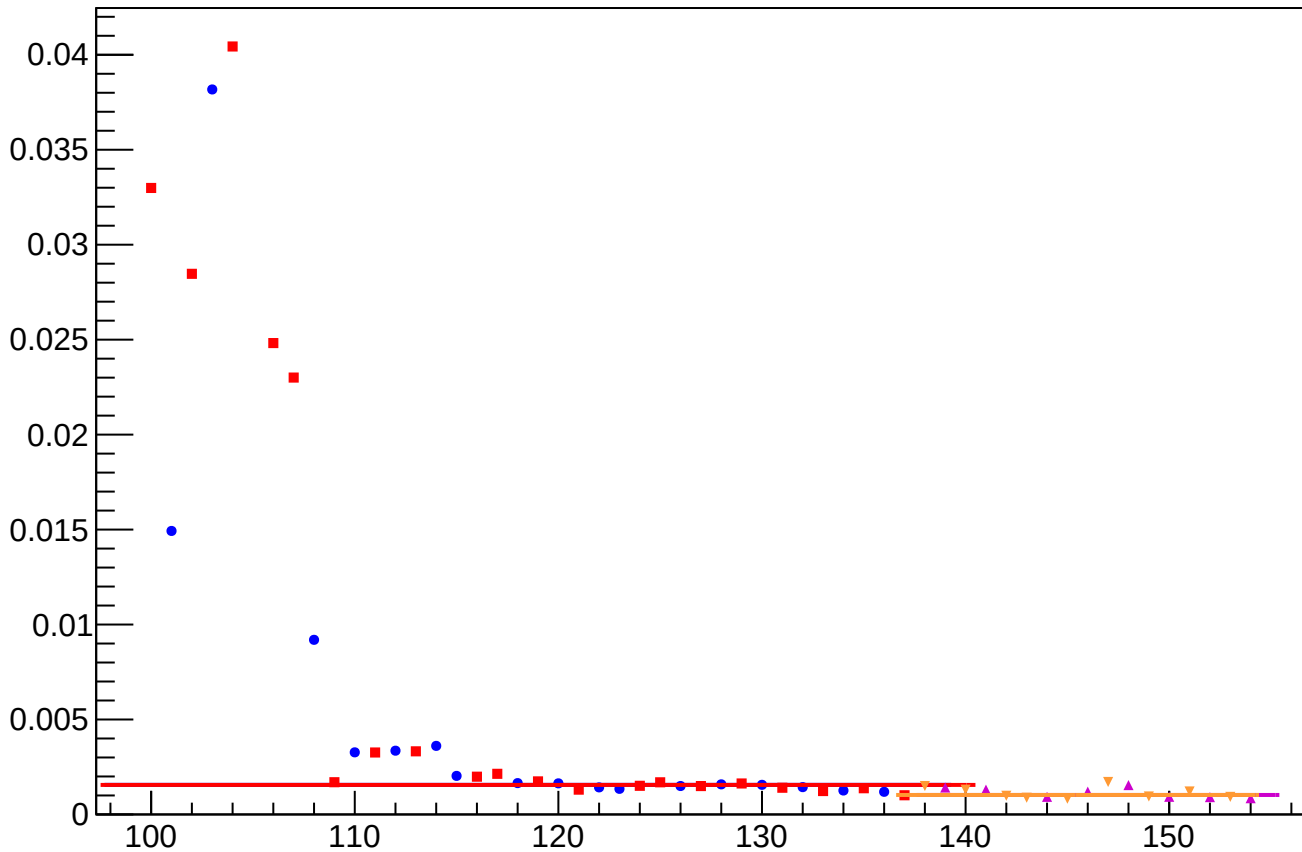
Left In: -0.122+/-0.000 χ^2/NDF : 12142458.2/7

-0.122+/-0.000 χ^2/NDF : 3944829358.1/25

-0.121+/-0.000 χ^2/NDF : 6478525712.3/53

-0.120+/-0.000 χ^2/NDF : 2525002666.5/27

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2903607.4/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:611352.6/8

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3544377.2/19

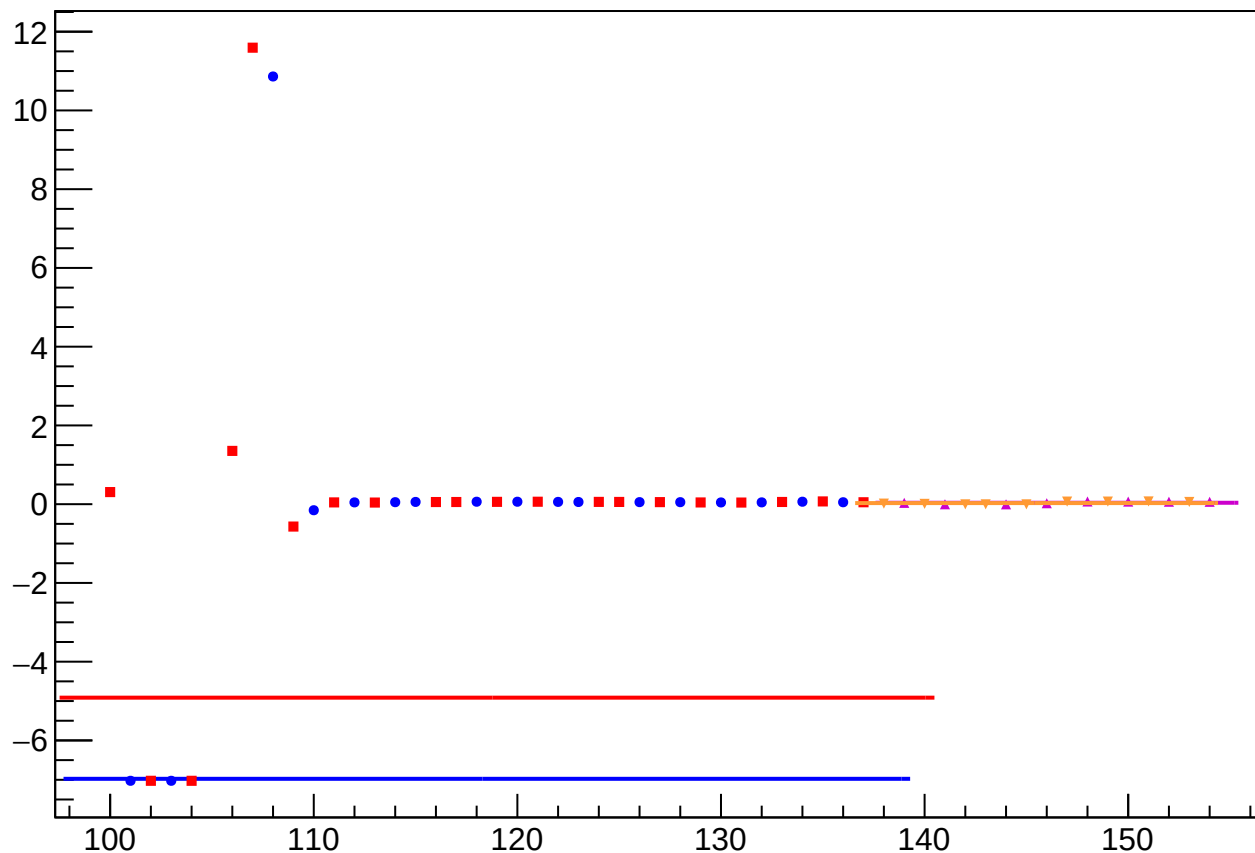
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:488575.0/7

0.001 $\pm$ 0.000 χ^2 /NDF: 4314605.5/25

0.001 $\pm$ 0.000 χ^2 /NDF: 9142244.5/53

0.001 $\pm$ 0.000 χ^2 /NDF: 4827615.2/27

yield_cav4dX_mean vs Slug, Sign Corrected



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

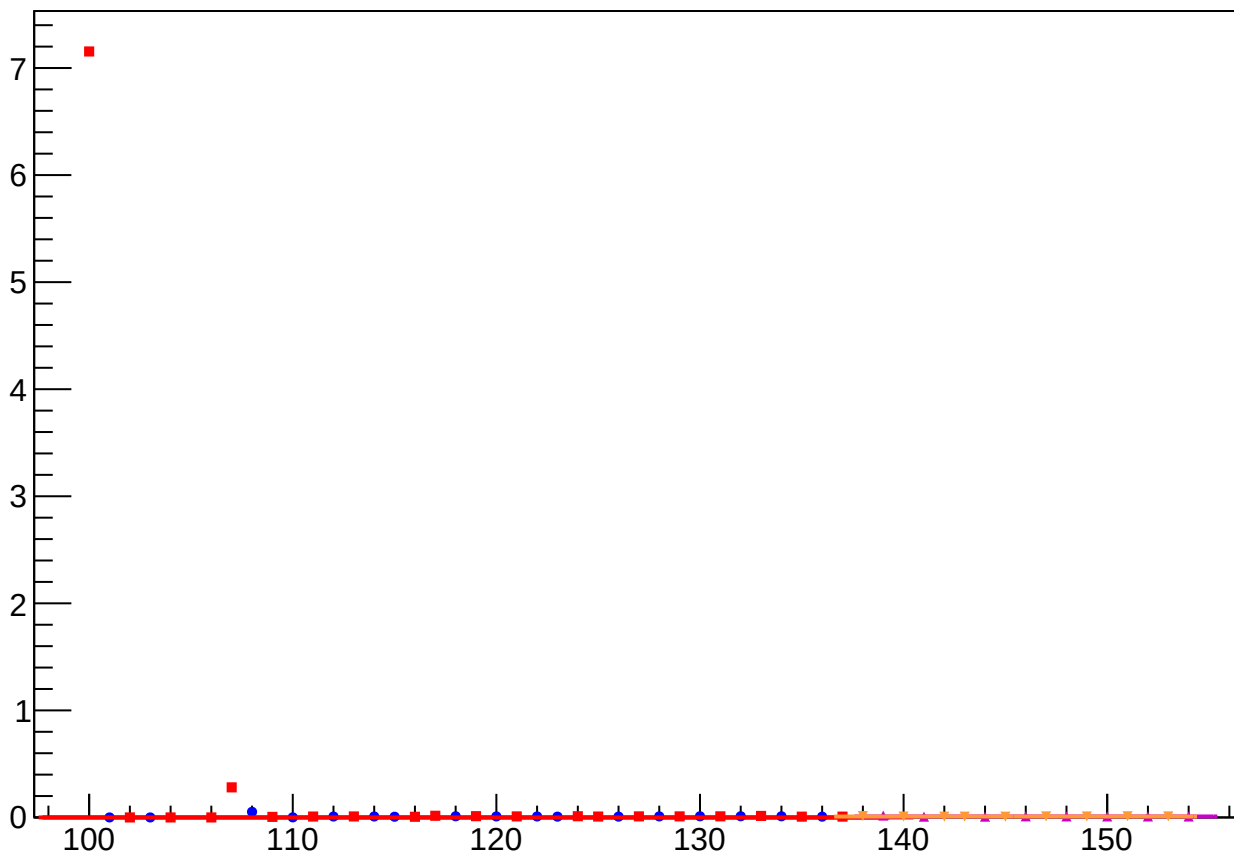
Left In: 0.036+/-0.000 χ^2/NDF : 57650151.0/7

-6.957+/-0.000 χ^2/NDF : 11928661591763.6/25

-5.886+/-0.000 χ^2/NDF : 43471195197109

-4.903+/-0.000 χ^2/NDF : 366837357162114.4/2

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8362763.6/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:322998.4/8

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8880914.4/19

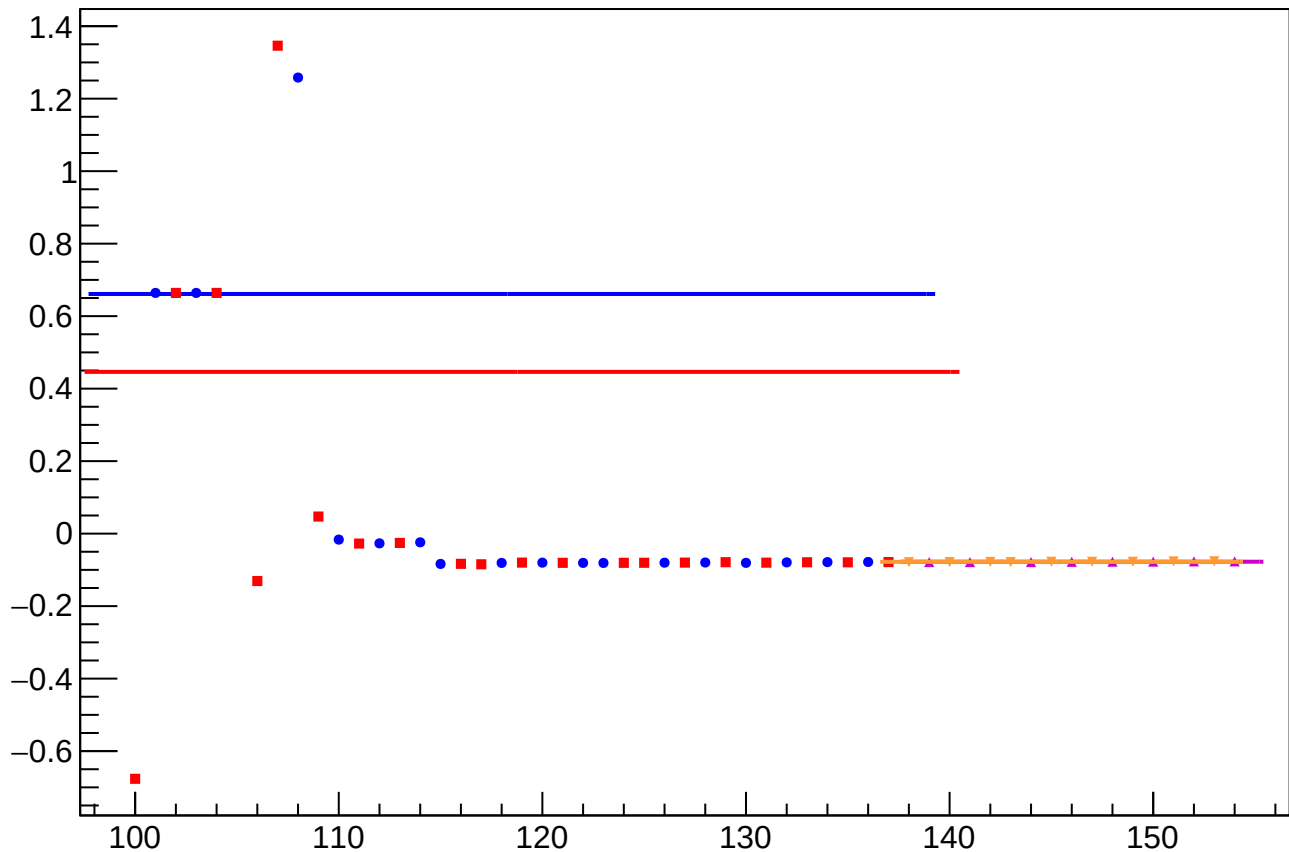
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:446393.3/7

0.000 $\pm$ 0.000 χ^2 /NDF: 18164046.1/25

0.000 $\pm$ 0.000 χ^2 /NDF: 37192031.8/53

0.000 $\pm$ 0.000 χ^2 /NDF: 19027137.8/27

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661 ± 0.000 χ^2/NDF : 5678332616622.1/16

Left Out: -0.078 ± 0.000 χ^2/NDF : 12173205.5/8

Right Out: 0.446 ± 0.000 χ^2/NDF : 405434749783850.4/19

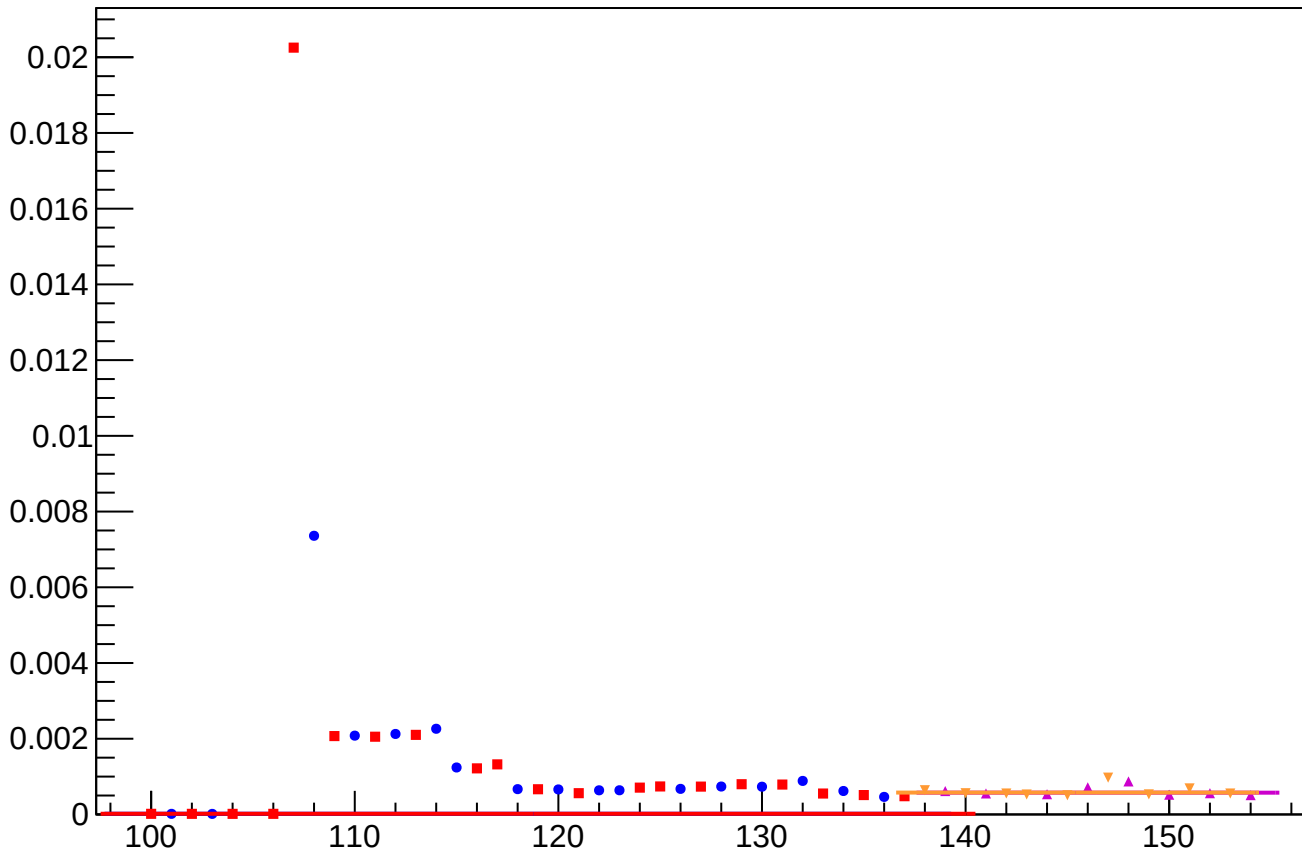
Left In: -0.078 ± 0.000 χ^2/NDF : 11542820.6/7

0.656 ± 0.000 χ^2/NDF : 15540697693151.2/25

0.545 ± 0.000 χ^2/NDF : 48835901689092

0.443 ± 0.000 χ^2/NDF : 410499310010191.2/27

yield_cav4dY_rms vs Slug, Sign Corrected



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

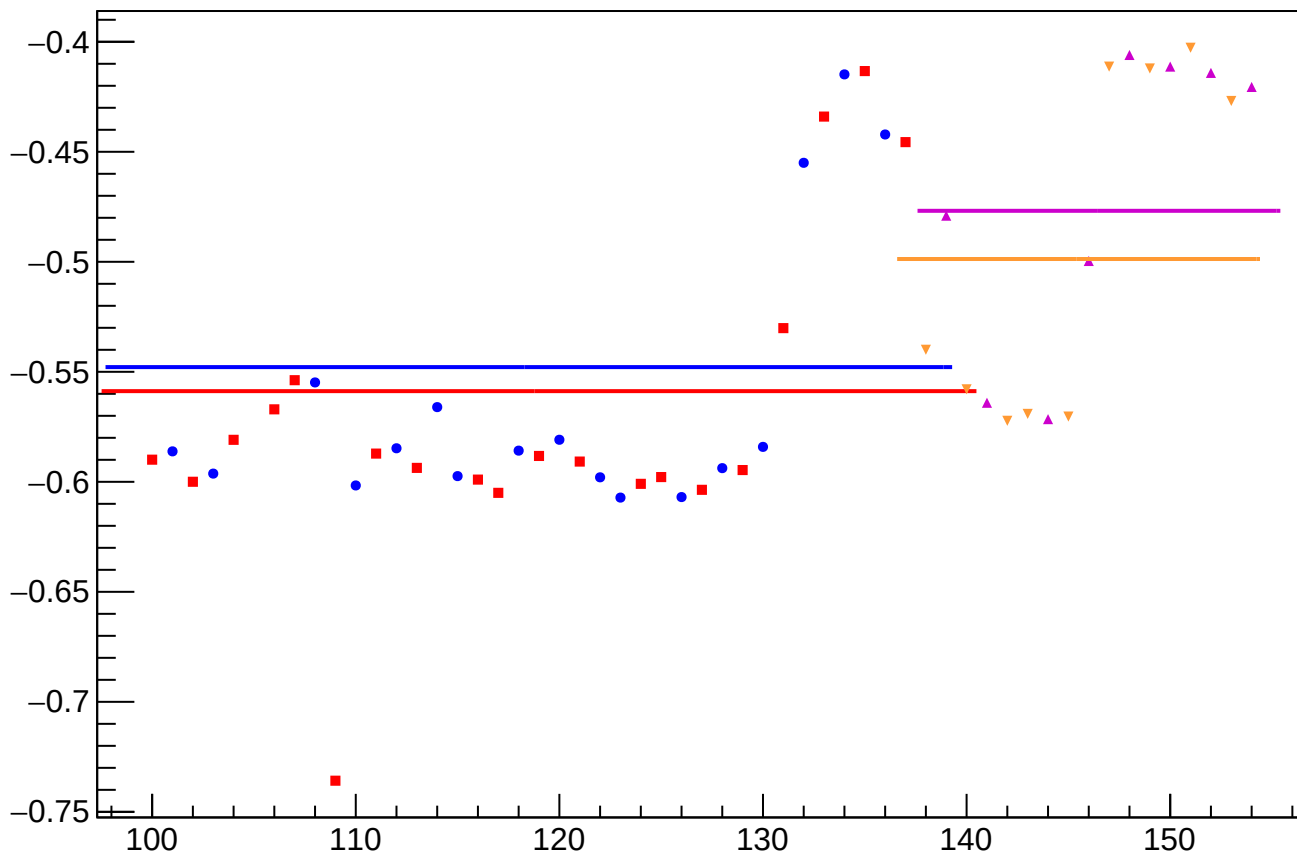
Left In: 0.001+/-0.000 χ^2/NDF : 300281.8/7

0.000+/-0.000 χ^2/NDF : 21666368.1/25

0.000+/-0.000 χ^2/NDF : 42987923.9/53

0.000+/-0.000 χ^2/NDF : 21321228.4/27

yield_bpm4aX_mean vs Slug, Sign Corrected



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

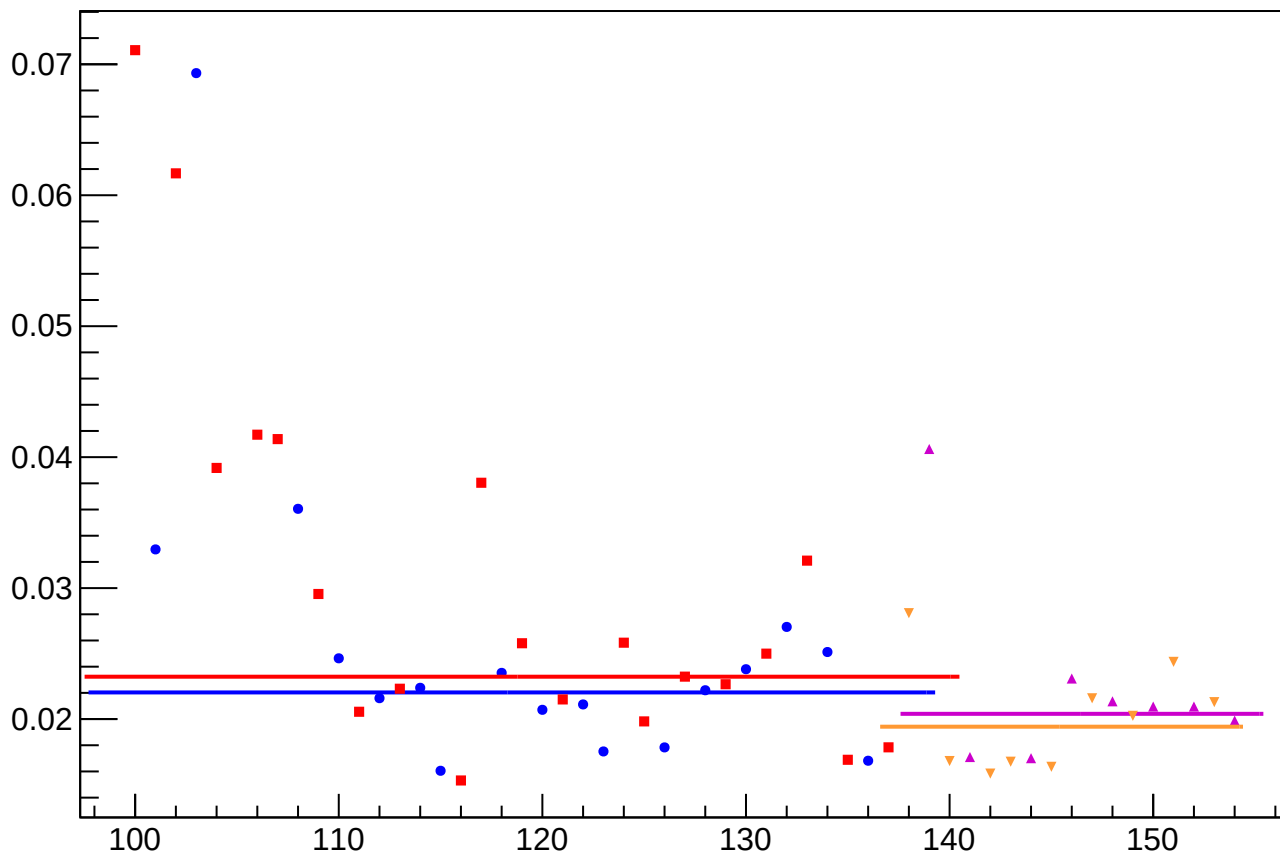
Left In: -0.477+/-0.000 χ^2/NDF : 60825949.6/7

-0.521+/-0.000 χ^2/NDF : 136360422.4/25

-0.517+/-0.000 χ^2/NDF : 300172369.6/53

-0.514+/-0.000 χ^2/NDF : 163271094.5/27

yield_bpm4aX_rms vs Slug, Sign Corrected



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

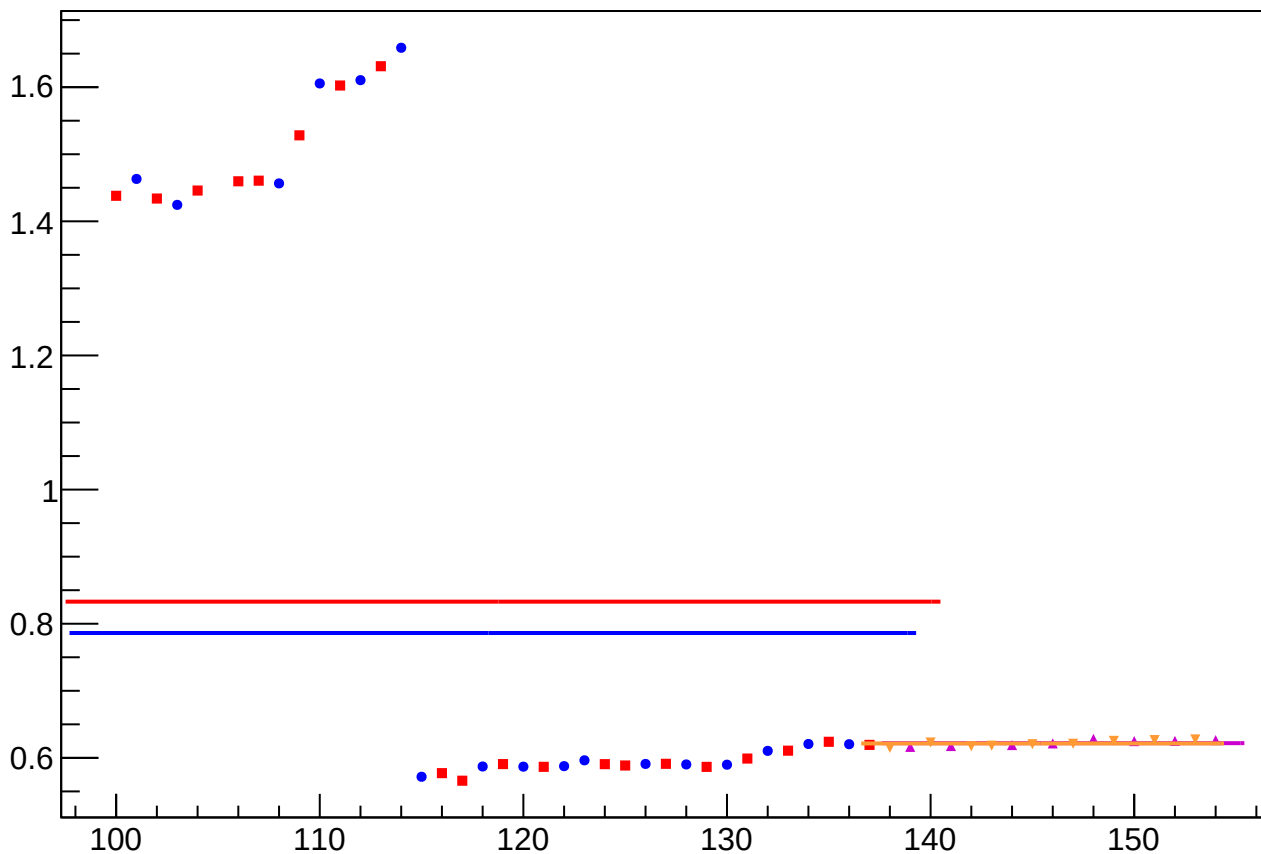
Left In: 0.020+/-0.000 χ^2/NDF : 450803.7/7

0.021+/-0.000 χ^2/NDF : 1349996.2/25

0.021+/-0.000 χ^2/NDF : 3085062.9/53

0.022+/-0.000 χ^2/NDF : 1707840.0/27

yield_bpm4aY_mean vs Slug, Sign Corrected



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

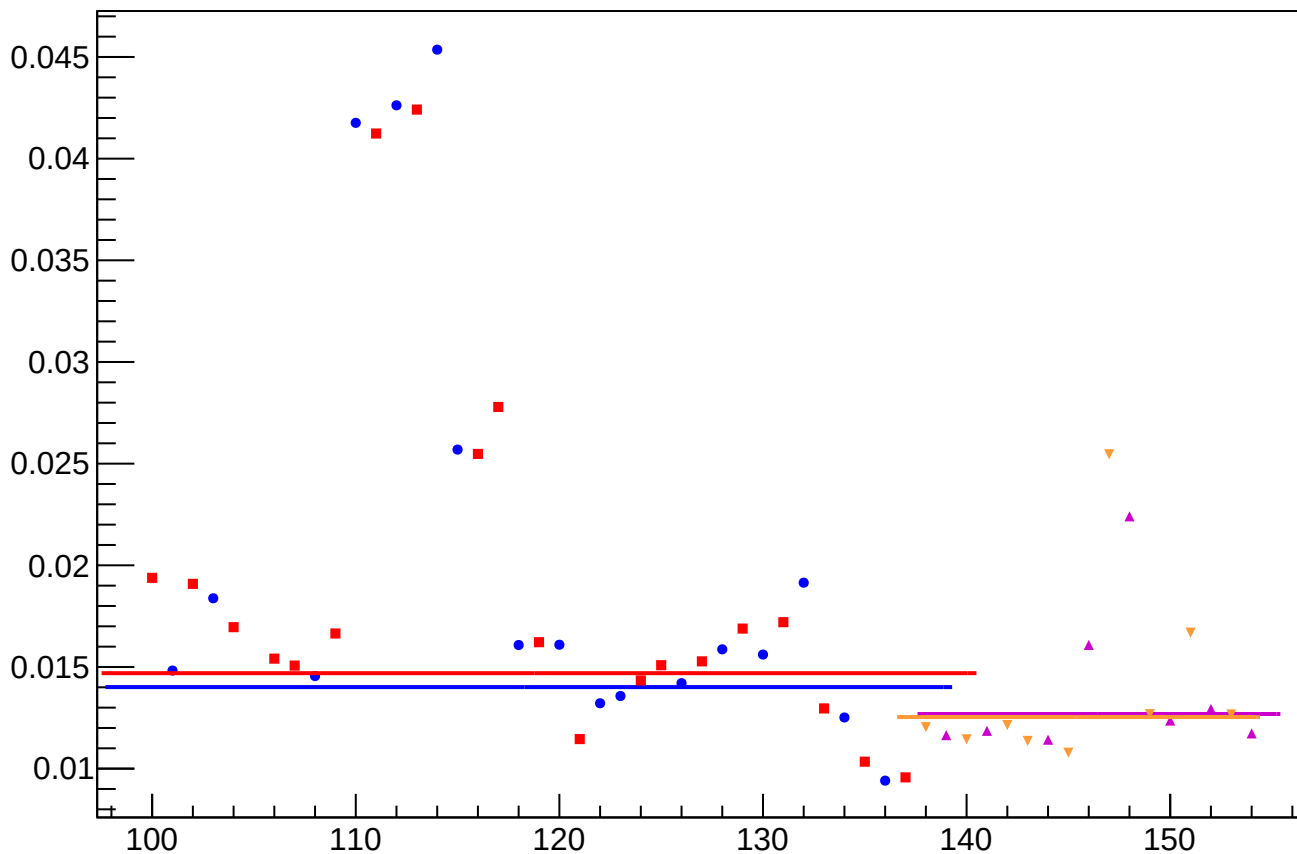
Left In: 0.622 $\pm$ 0.000 χ^2/NDF : 601393.3/7

0.692 $\pm$ 0.000 χ^2/NDF : 4037601147.8/25

0.702 $\pm$ 0.000 χ^2/NDF : 8927464235.4/53

0.712 $\pm$ 0.000 χ^2/NDF : 4877626510.3/27

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1404865.3/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:541438.7/8

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1280473.4/19

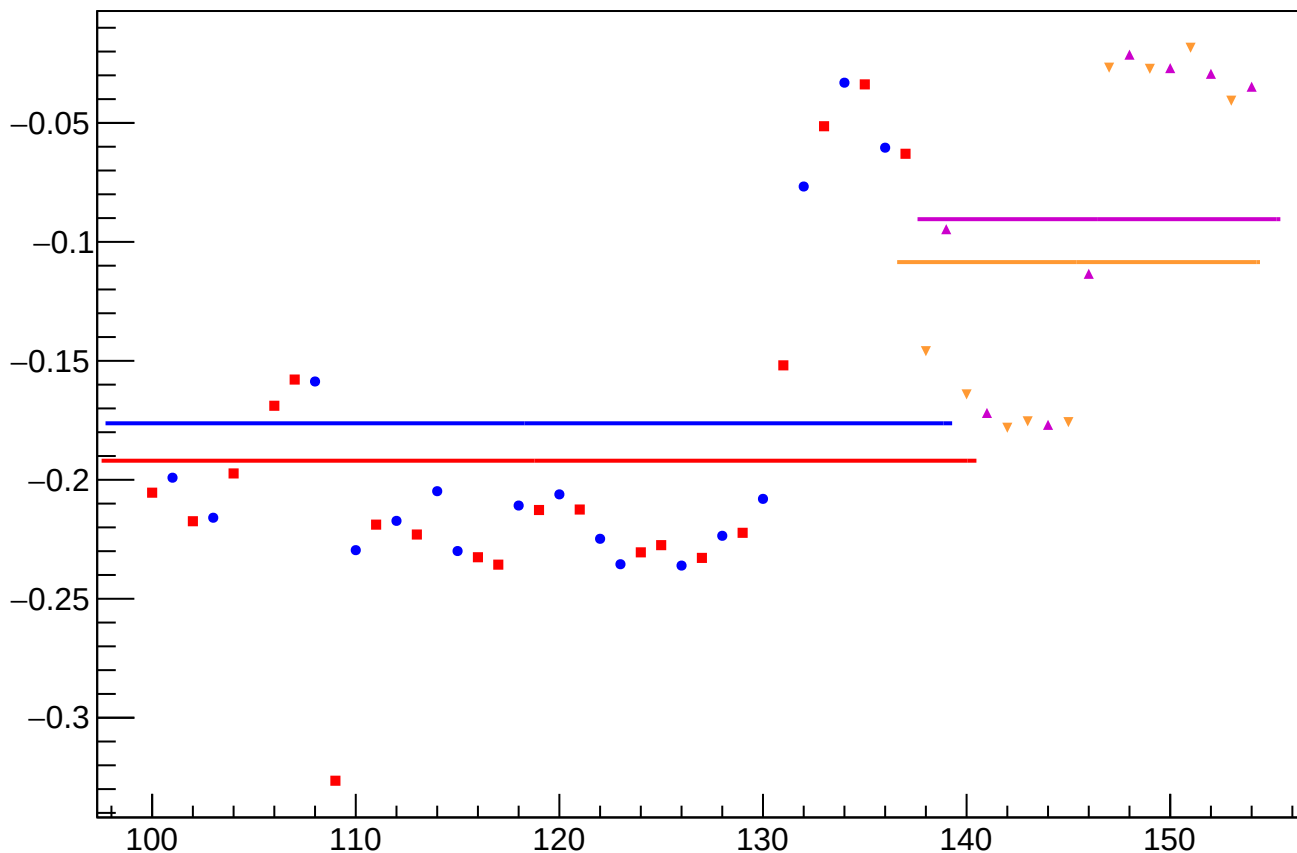
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:402445.2/7

0.013 $\pm$ 0.000 χ^2 /NDF: 2017796.7/25

0.013 $\pm$ 0.000 χ^2 /NDF: 3839631.6/53

0.014 $\pm$ 0.000 χ^2 /NDF: 1812800.7/27

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.108+/-0.000 χ^2/NDF : 71727038.9/8

Right Out: -0.192+/-0.000 χ^2/NDF : 83899255.4/19

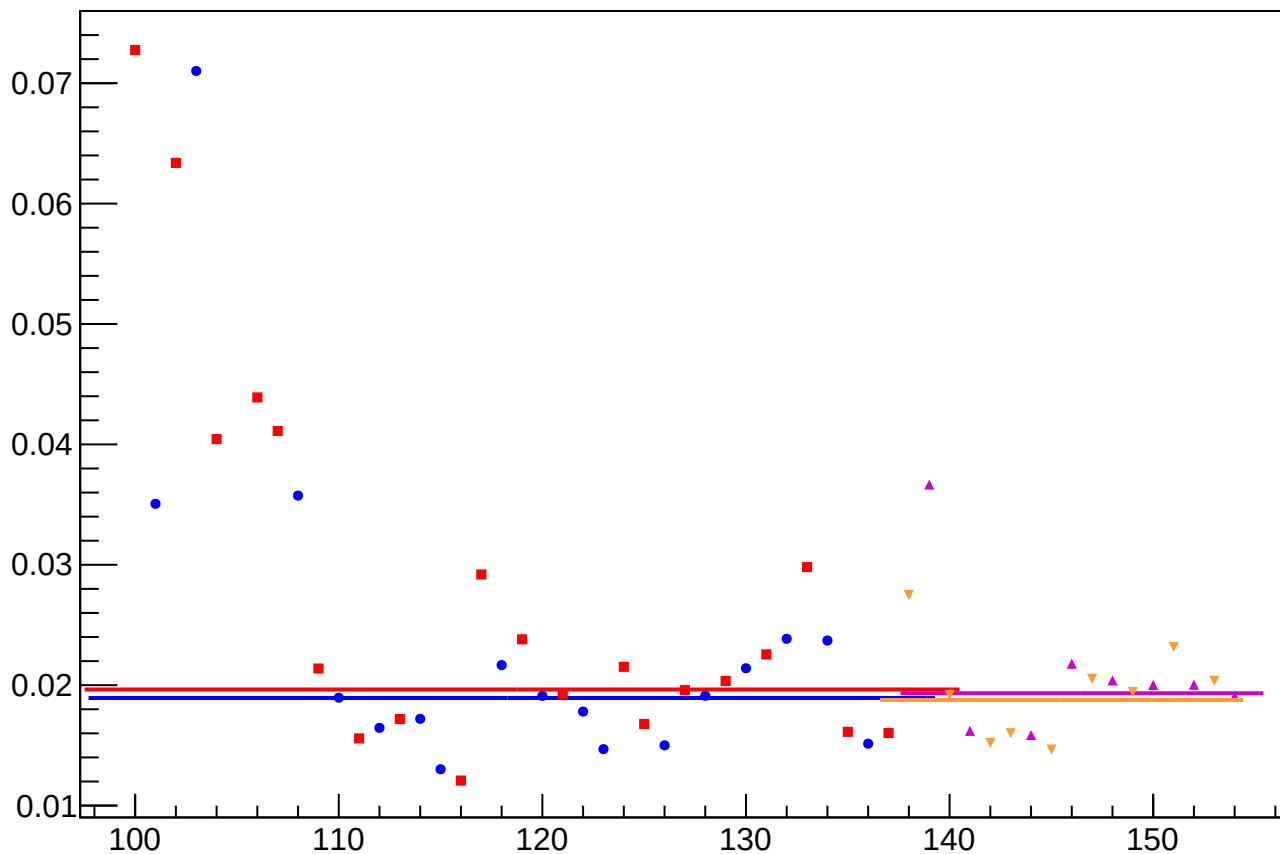
Left In: -0.090+/-0.000 χ^2/NDF : 61443941.0/7

-0.142+/-0.000 χ^2/NDF : 174226391.4/25

-0.142+/-0.000 χ^2/NDF : 389576862.0/53

-0.141+/-0.000 χ^2/NDF : 215338102.7/27

yield_bpm4eX_rms vs Slug, Sign Corrected



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

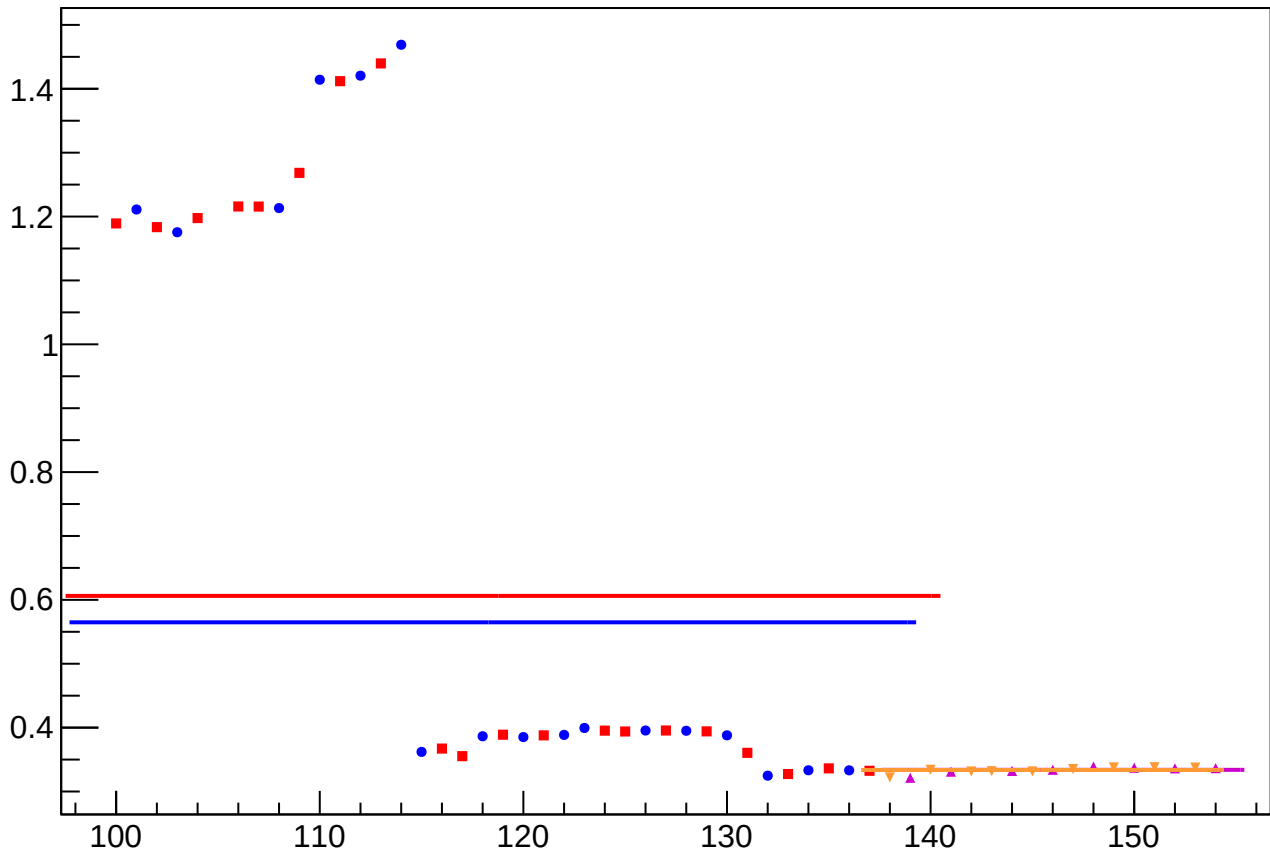
Left In: 0.019+/-0.000 χ^2/NDF : 429846.1/7

0.019+/-0.000 χ^2/NDF : 1545066.3/25

0.019+/-0.000 χ^2/NDF : 3453592.9/53

0.019+/-0.000 χ^2/NDF : 1897451.9/27

yield_bpm4eY_mean vs Slug, Sign Corrected



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

Right Out: 0.606 $\pm$ 0.000 χ^2 /NDF: 5517630064.2/19

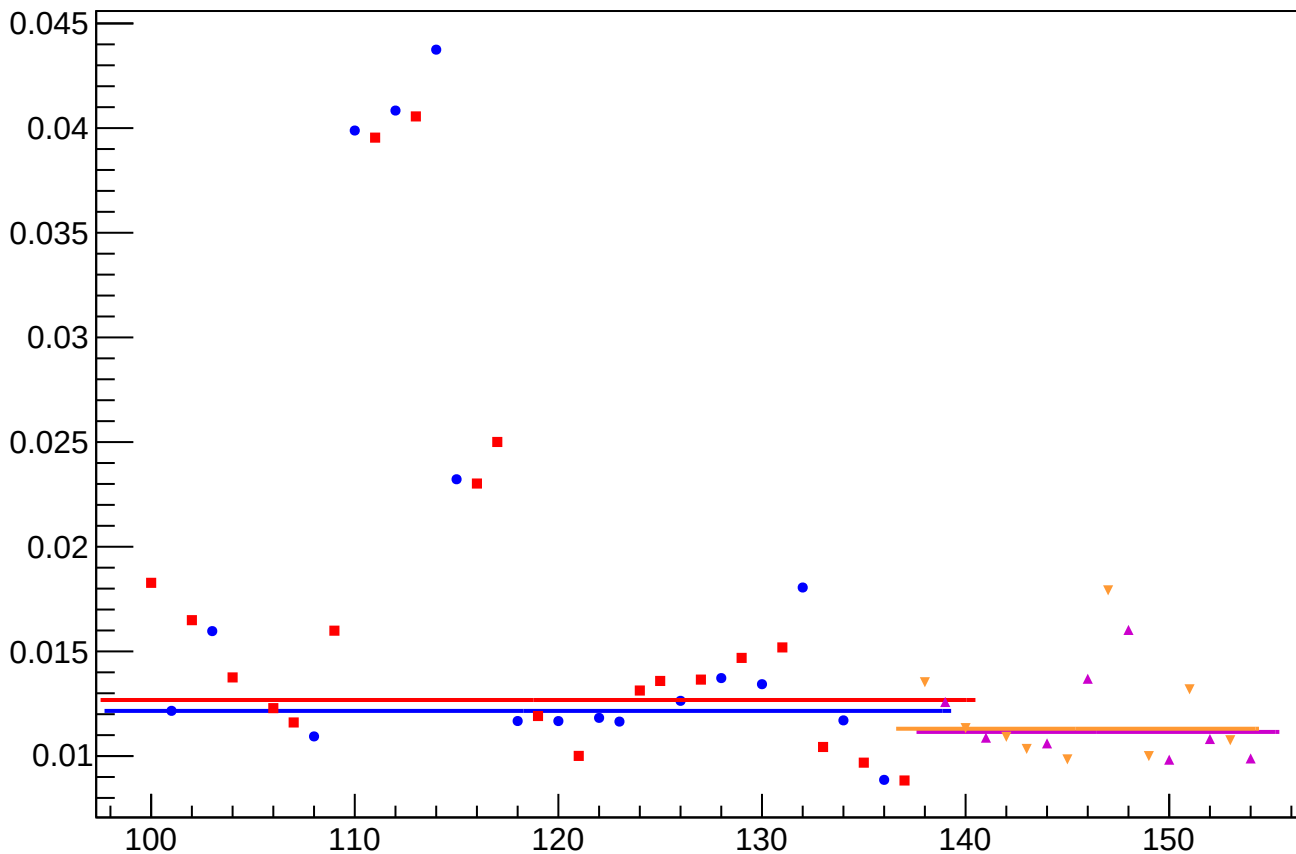
Left In: 0.334 $\pm$ 0.000 χ^2 /NDF: 1000238.1/7

0.437 $\pm$ 0.000 χ^2 /NDF: 6167326538.9/25

0.443 $\pm$ 0.000 χ^2 /NDF: 13259425567.5/5

0.450 $\pm$ 0.000 χ^2 /NDF: 7084301945.3/27

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 1309888.8/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 347450.8/8

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1289415.7/19

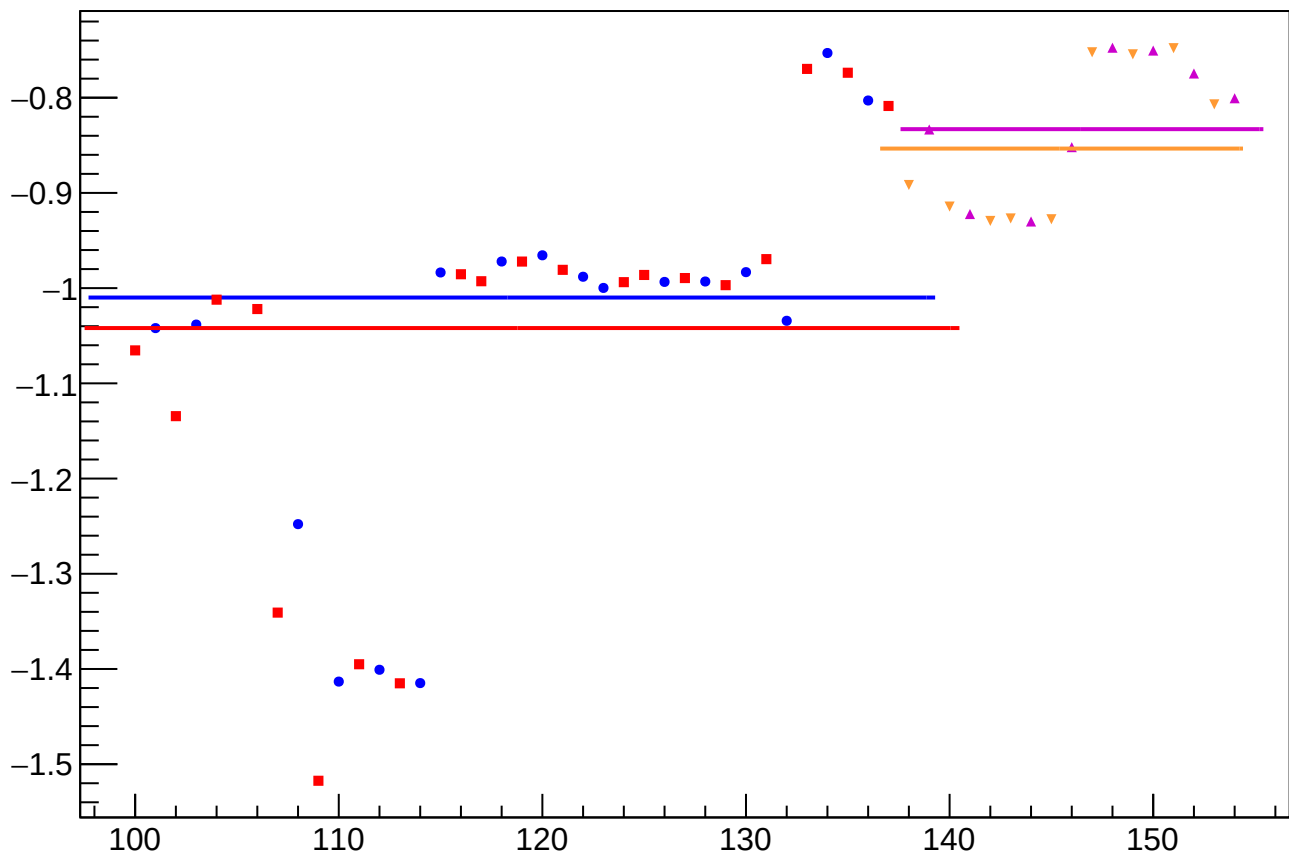
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 276145.8/7

0.012 $\pm$ 0.000 χ^2/NDF : 1688168.2/25

0.012 $\pm$ 0.000 χ^2/NDF : 3353207.5/53

0.012 $\pm$ 0.000 χ^2/NDF : 1663815.3/27

yield_bpm4acX_mean vs Slug, Sign Corrected



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

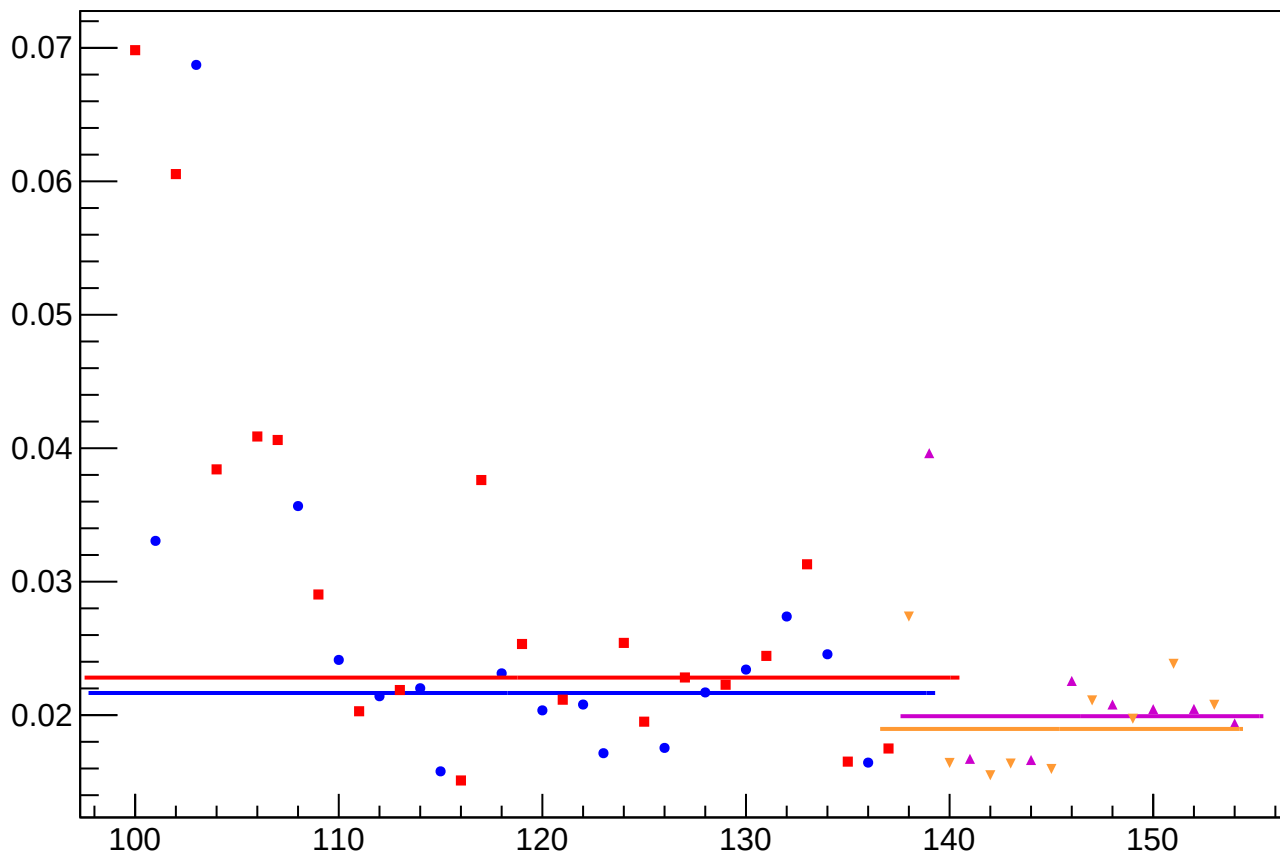
Left In: -0.833+/-0.000 χ^2 /NDF: 68416164.5/7

-0.923+/-0.000 χ^2 /NDF: 620980856.6/25

-0.924+/-0.000 χ^2 /NDF: 1468094947.1/53

-0.926+/-0.000 χ^2 /NDF: 846941449.3/27

yield_bpm4acX_rms vs Slug, Sign Corrected



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

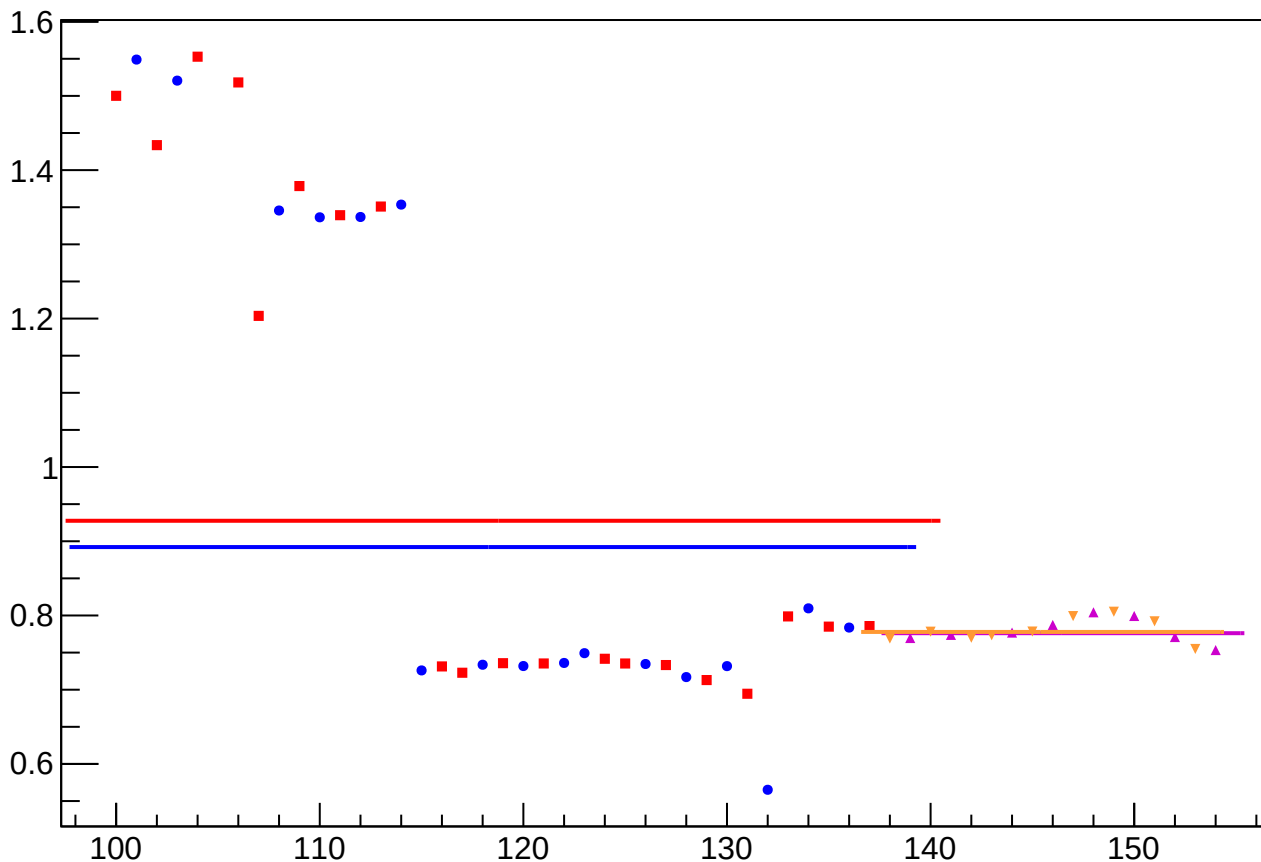
Left In: 0.020+/-0.000 χ^2/NDF : 448456.5/7

0.020+/-0.000 χ^2/NDF : 1381768.9/25

0.021+/-0.000 χ^2/NDF : 3117079.1/53

0.021+/-0.000 χ^2/NDF : 1708786.5/27

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.892 $\pm$ 0.000 χ^2 /NDF: 2413732173.6/16

Left Out: 0.778 $\pm$ 0.000 χ^2 /NDF:7910498.4/8

Right Out: 0.928 $\pm$ 0.000 χ^2 /NDF: 2439574936.7/19

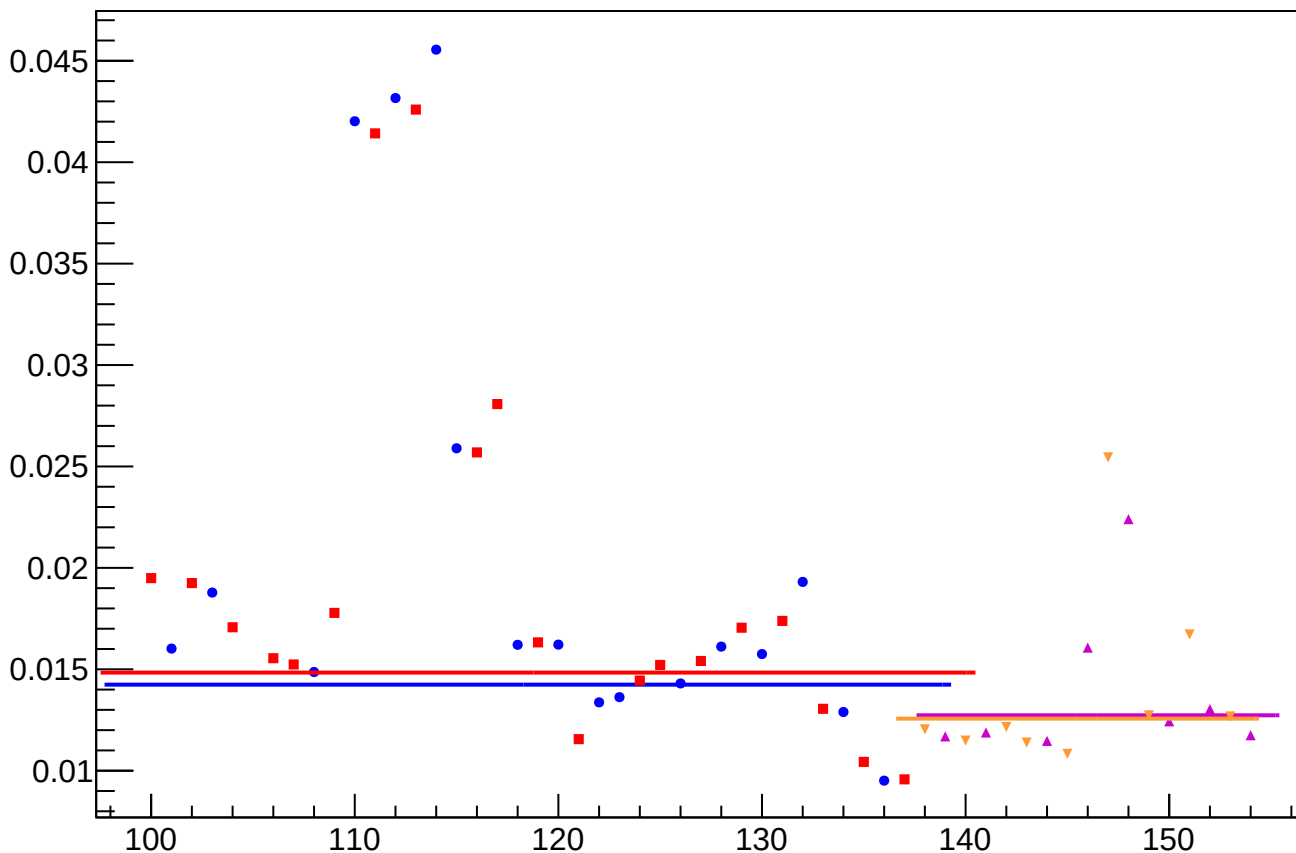
Left In: 0.776 $\pm$ 0.000 χ^2 /NDF:8025711.3/7

0.826 $\pm$ 0.000 χ^2 /NDF: 2632002656.2/25

0.833 $\pm$ 0.000 χ^2 /NDF: 5449123355.5/53

0.840 $\pm$ 0.000 χ^2 /NDF: 2810912779.9/27

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1415681.3/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:537737.7/8

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1291174.0/19

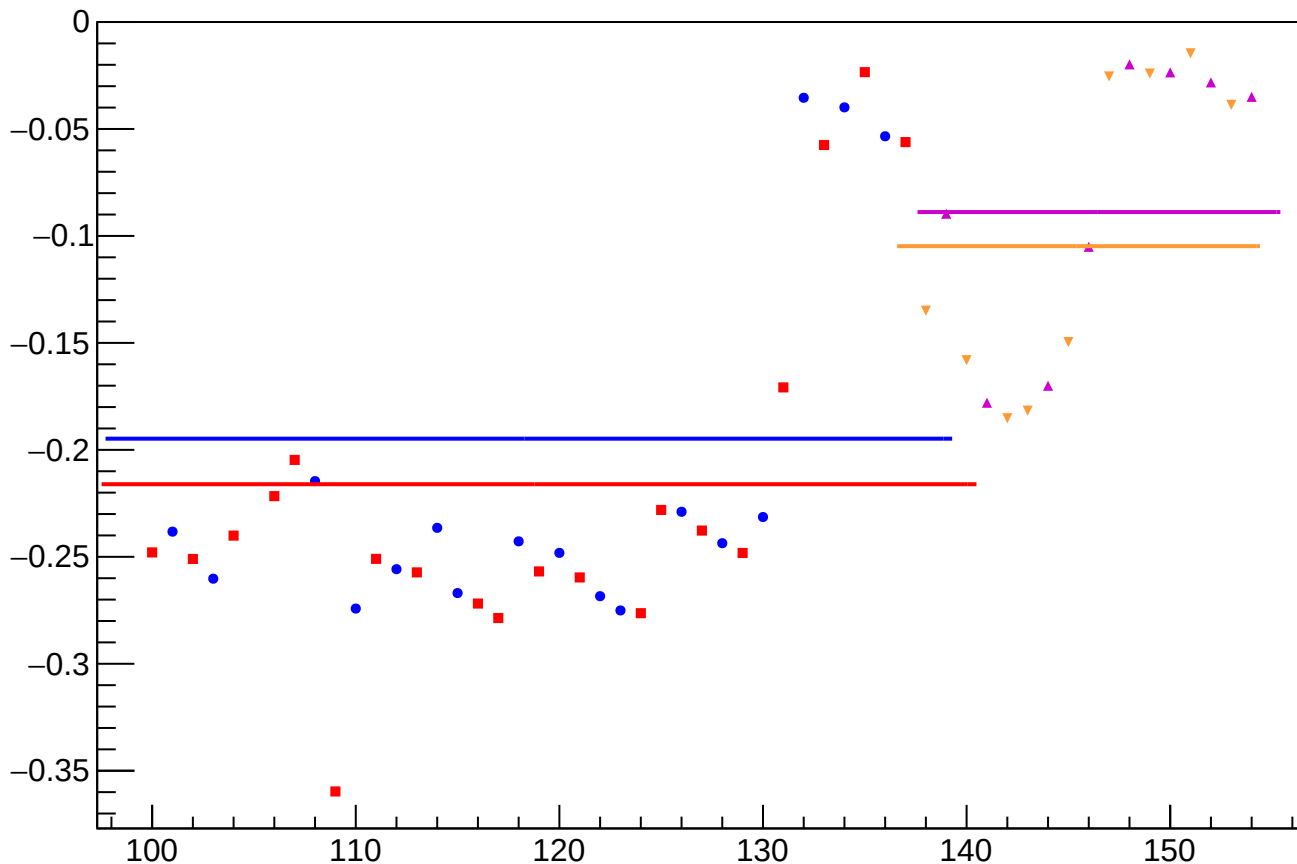
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:398287.6/7

0.013 $\pm$ 0.000 χ^2 /NDF: 2043629.8/25

0.013 $\pm$ 0.000 χ^2 /NDF: 3881197.0/53

0.014 $\pm$ 0.000 χ^2 /NDF: 1829885.7/27

yield_bpm4ecX_mean vs Slug, Sign Corrected



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

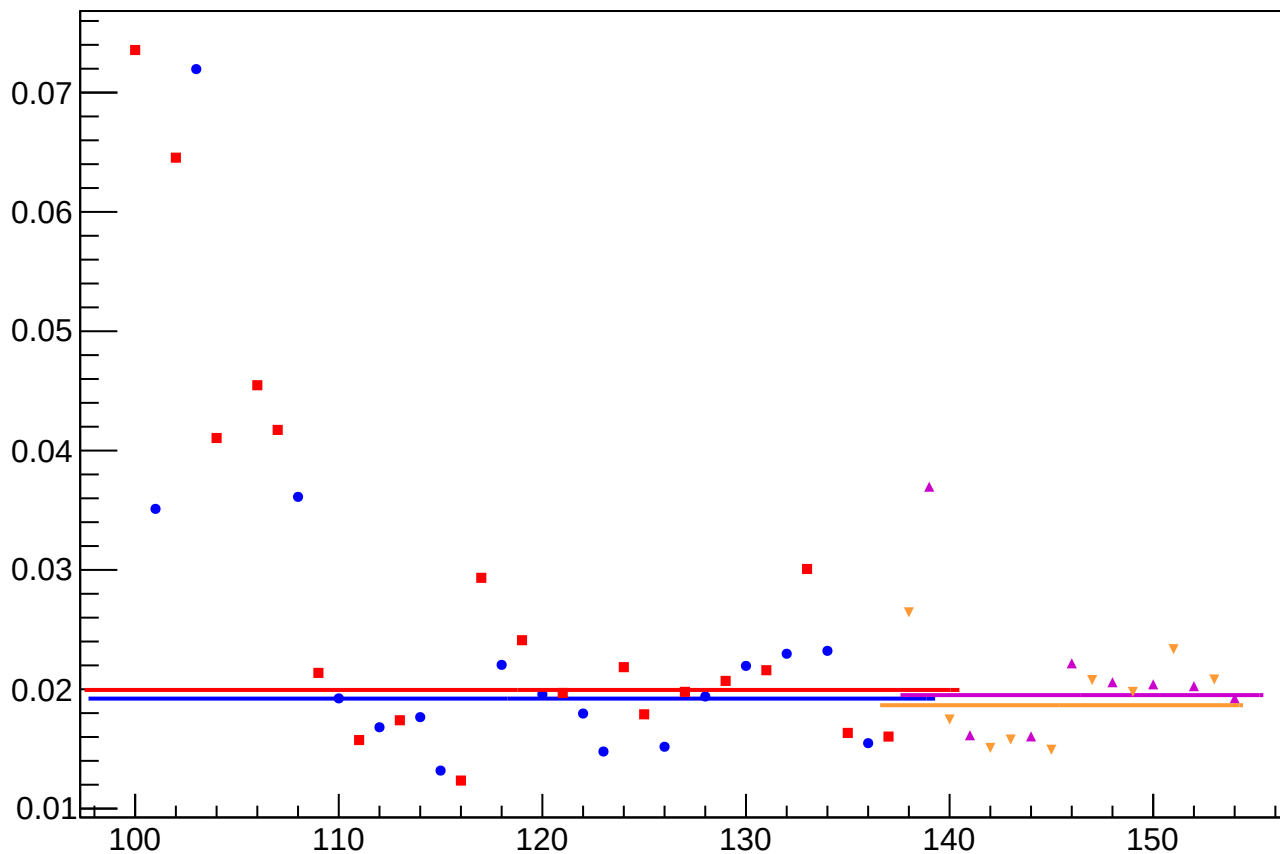
Left In: -0.089+/-0.000 χ^2/NDF : 60842912.5/7

-0.149+/-0.000 χ^2/NDF : 232980322.0/25

-0.150+/-0.000 χ^2/NDF : 513332637.8/53

-0.152+/-0.000 χ^2/NDF : 280211817.7/27

yield_bpm4ecX_rms vs Slug, Sign Corrected



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

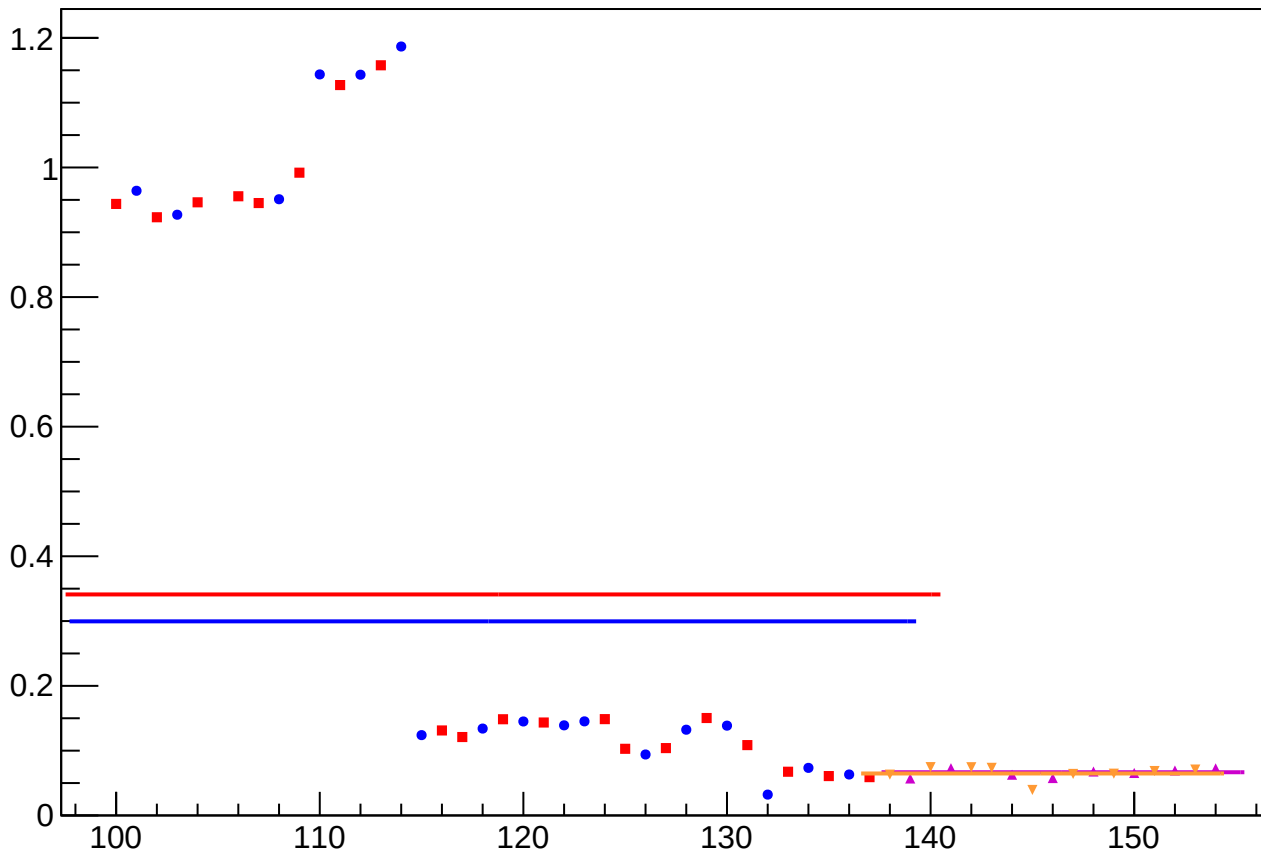
Left In: 0.020+/-0.000 χ^2/NDF : 438084.5/7

0.019+/-0.000 χ^2/NDF : 1509852.9/25

0.019+/-0.000 χ^2/NDF : 3422639.2/53

0.020+/-0.000 χ^2/NDF : 1895791.1/27

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.300 $\pm$ 0.000 χ^2 /NDF: 5165052137.6/16

Left Out: 0.065 $\pm$ 0.000 χ^2 /NDF: 6711766.8/8

0.168 $\pm$ 0.000 χ^2 /NDF: 6375252811.0/25

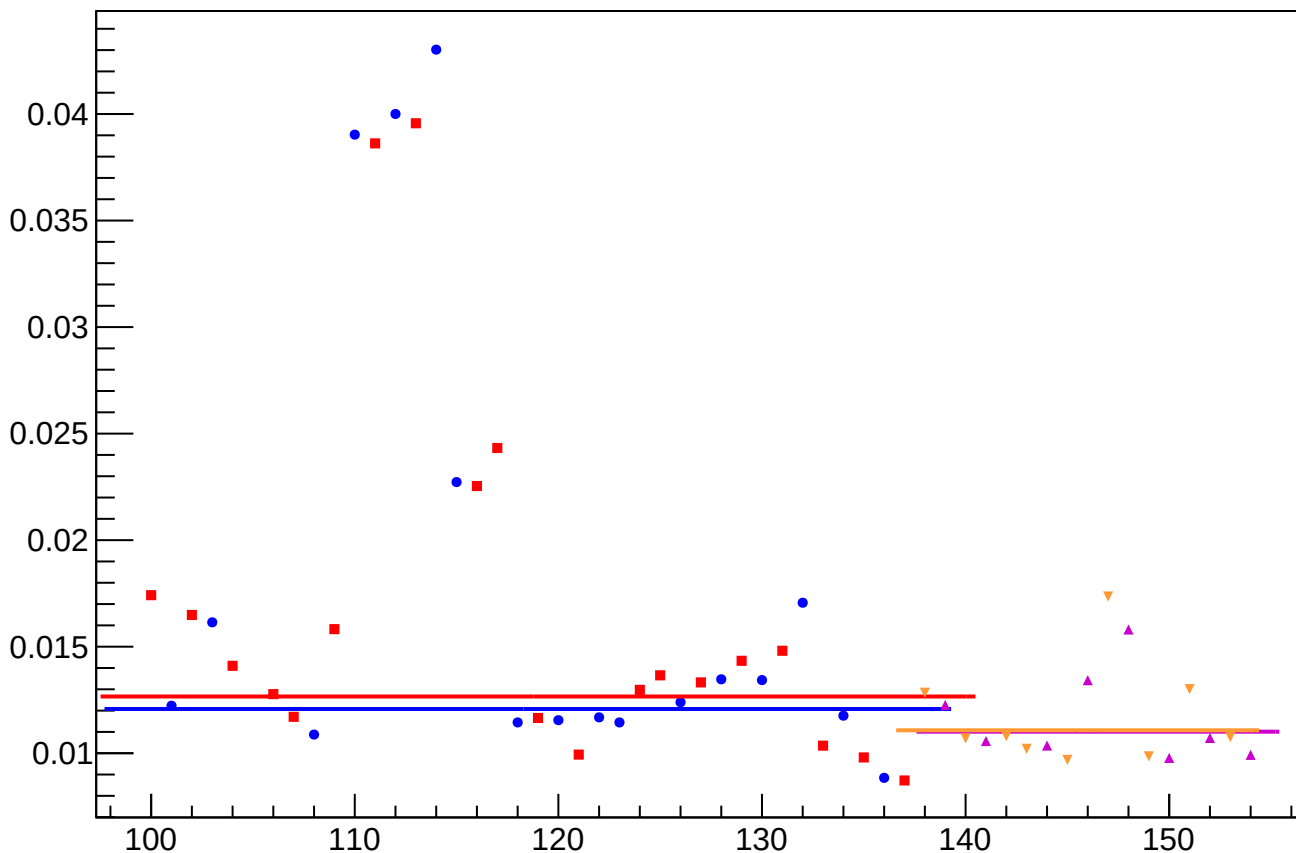
Right Out: 0.341 $\pm$ 0.000 χ^2 /NDF: 5453748737.7/19

0.175 $\pm$ 0.000 χ^2 /NDF: 13450700835.7/5

0.182 $\pm$ 0.000 χ^2 /NDF: 7066274388.2/27

Left In: 0.067 $\pm$ 0.000 χ^2 /NDF: 1507830.6/7

yield_bpm4ecY_rms vs Slug, Sign Corrected



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

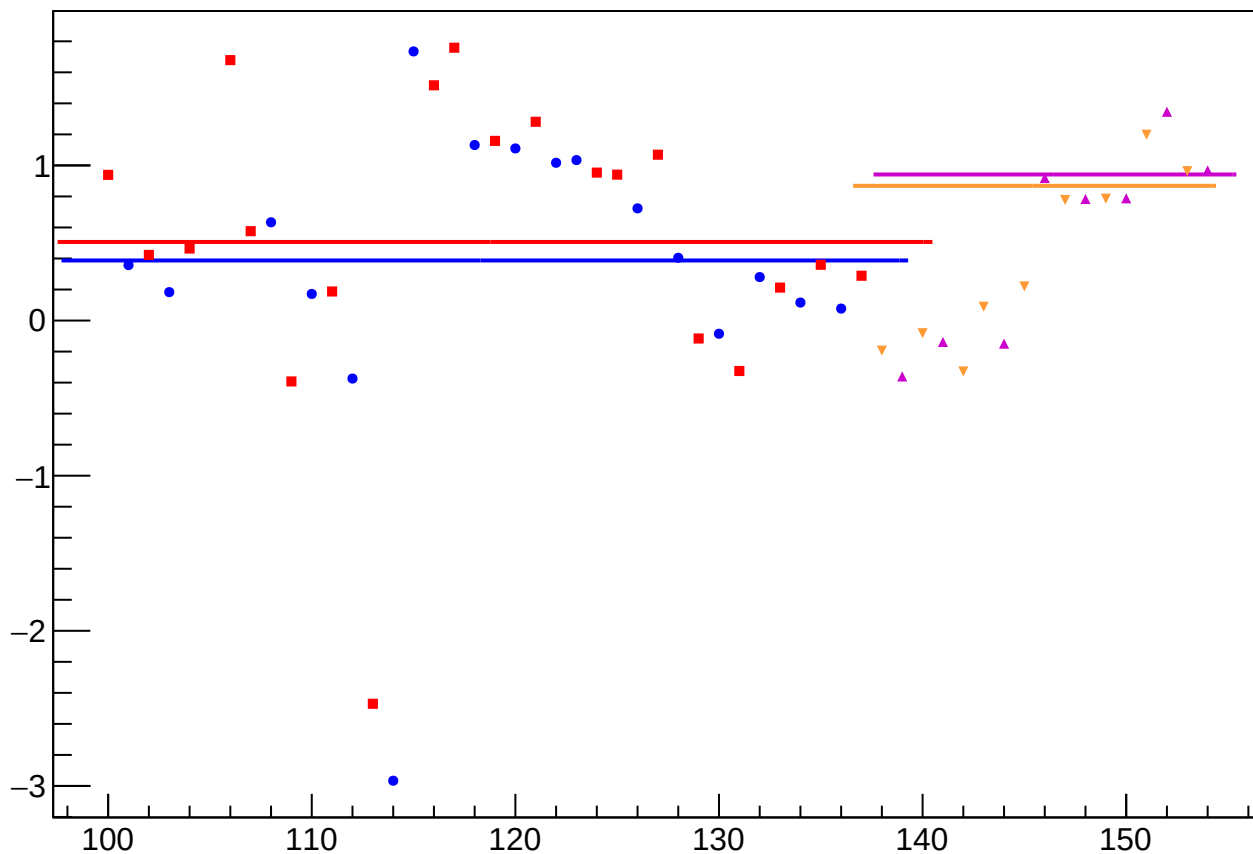
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:261726.1/7

0.012 $\pm$ 0.000 χ^2 /NDF: 1648003.7/25

0.012 $\pm$ 0.000 χ^2 /NDF: 3285071.2/53

0.012 $\pm$ 0.000 χ^2 /NDF: 1633844.7/27

yield_bpm1X_mean vs Slug, Sign Corrected



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

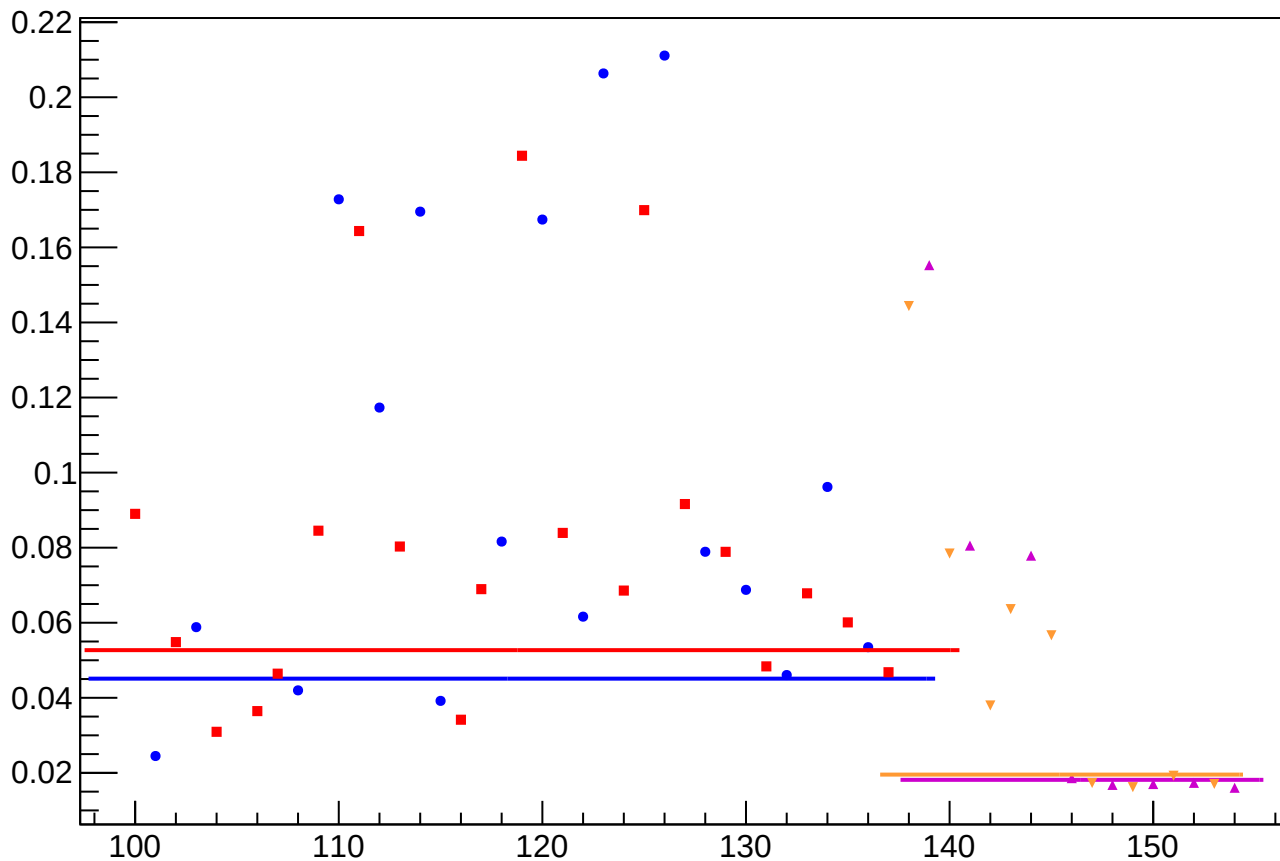
Left In: 0.942 $\pm$ 0.000 χ^2/NDF : 744909636.2/7

0.796 $\pm$ 0.000 χ^2/NDF : 1260190470.2/25

0.849 $\pm$ 0.000 χ^2/NDF : 3314452086.1/53

0.894 $\pm$ 0.000 χ^2/NDF : 1993219306.5/27

yield_bpm1X_rms vs Slug, Sign Corrected



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

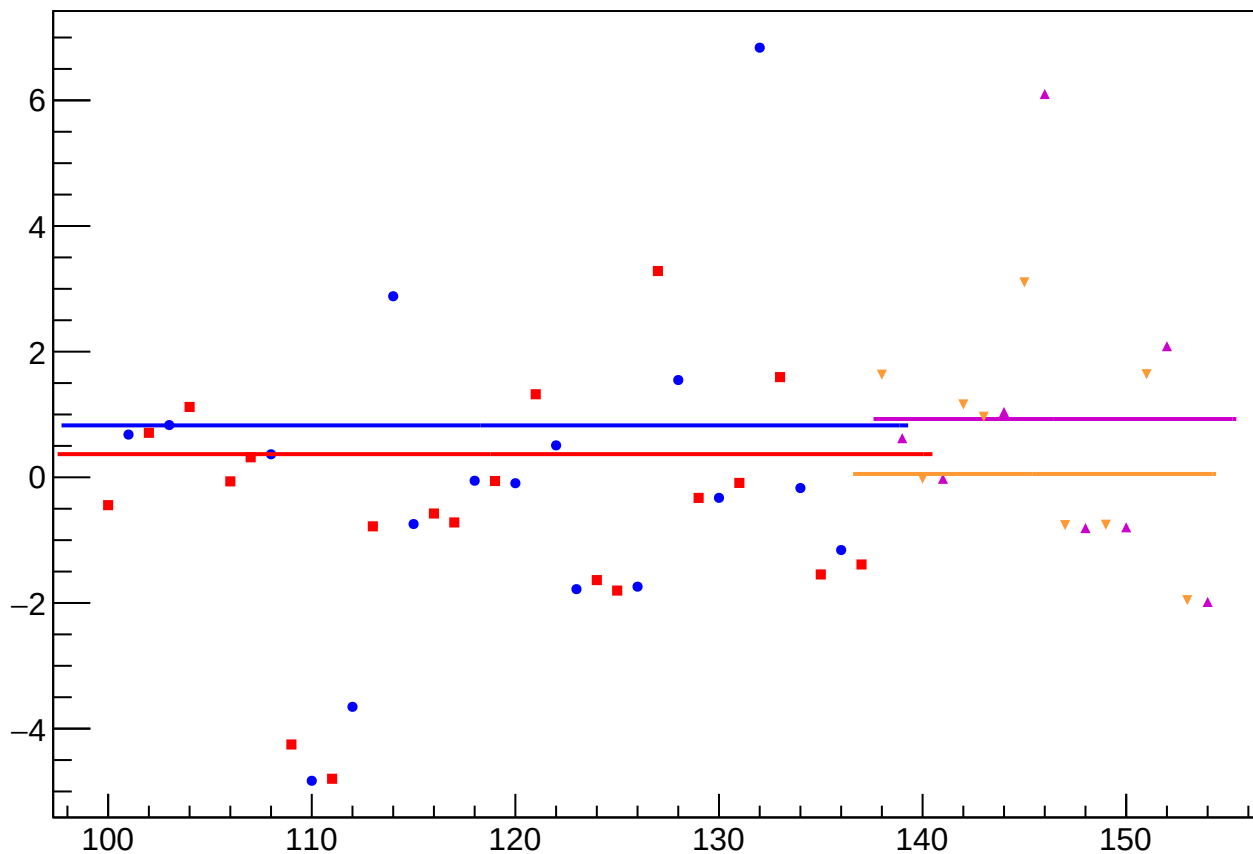
Left In: 0.018+/-0.000 χ^2/NDF : 2170703.1/7

0.023+/-0.000 χ^2/NDF : 7303875.2/25

0.023+/-0.000 χ^2/NDF : 14890055.4/53

0.022+/-0.000 χ^2/NDF : 7558066.0/27

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.827 $\pm$ 0.000 χ^2/NDF : 10936458870.4/16

Left Out: 0.053 $\pm$ 0.000 χ^2/NDF : 51017921850.1/8

Right Out: 0.369 $\pm$ 0.000 χ^2/NDF : 4985860510.0/19

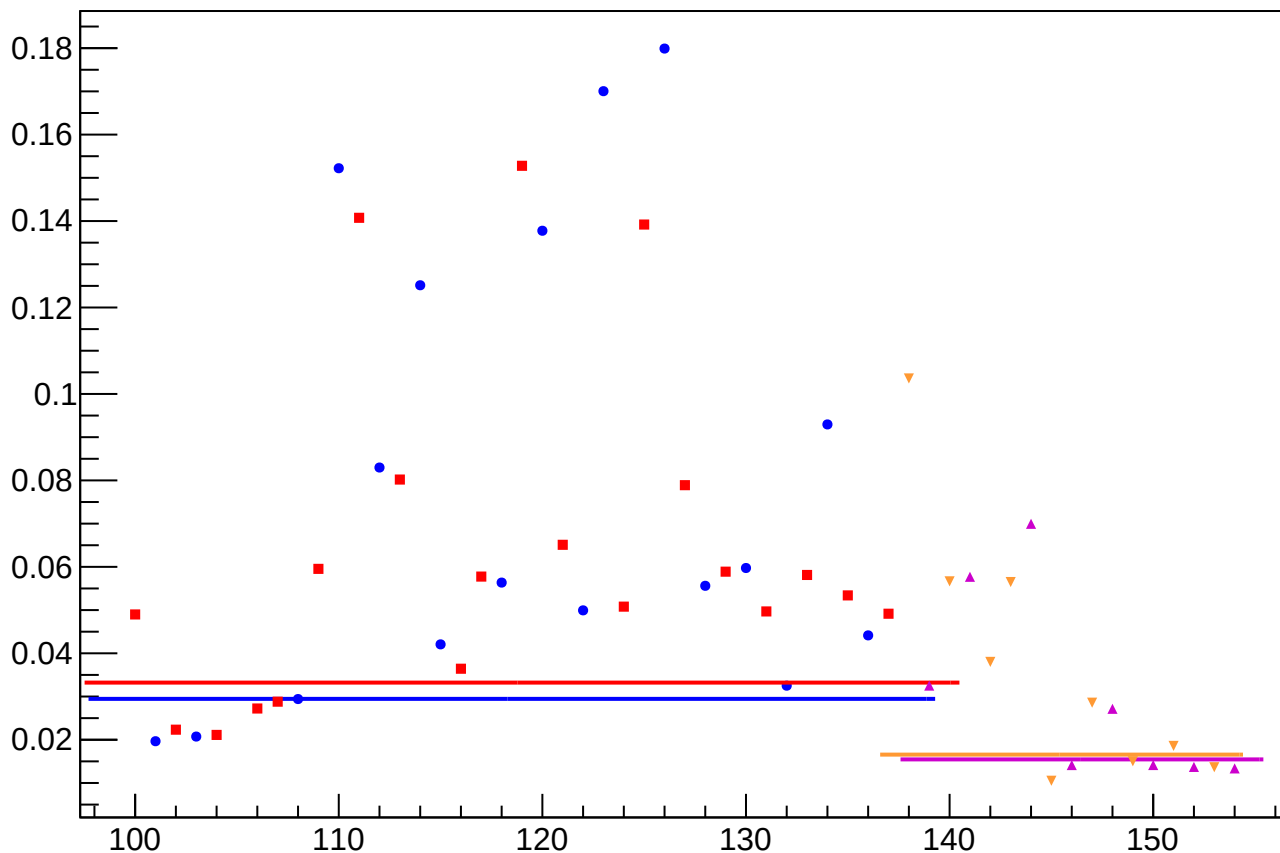
Left In: 0.928 $\pm$ 0.000 χ^2/NDF : 153660665203.6/7

0.224 $\pm$ 0.000 χ^2/NDF : 63788989571.0/25

0.559 $\pm$ 0.000 χ^2/NDF : 227040138059.0/25

0.837 $\pm$ 0.000 χ^2/NDF : 159566013866.3/27

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029 $\pm$ 0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.017 $\pm$ 0.000 χ^2/NDF : 2436515.1/8

Right Out: 0.033 $\pm$ 0.000 χ^2/NDF : 3110014.7/19

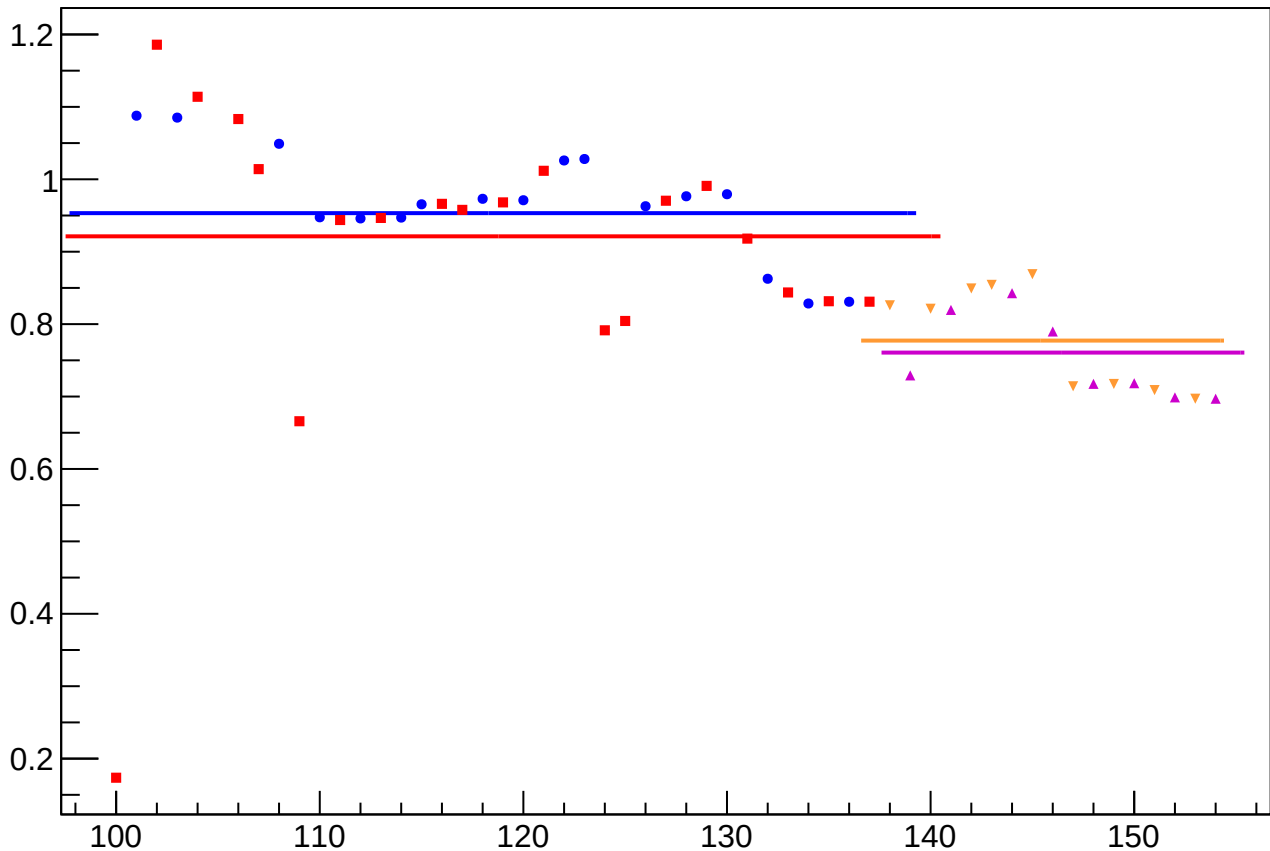
Left In: 0.015 $\pm$ 0.000 χ^2/NDF : 1650323.0/7

0.019 $\pm$ 0.000 χ^2/NDF : 6510900.3/25

0.019 $\pm$ 0.000 χ^2/NDF : 13149457.5/53

0.018 $\pm$ 0.000 χ^2/NDF : 6616498.4/27

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953+/-0.000 χ^2/NDF : 175396553.4/16

Left Out: 0.777+/-0.000 χ^2/NDF : 170021643.0/8

Right Out: 0.921+/-0.000 χ^2/NDF : 374376205.4/19

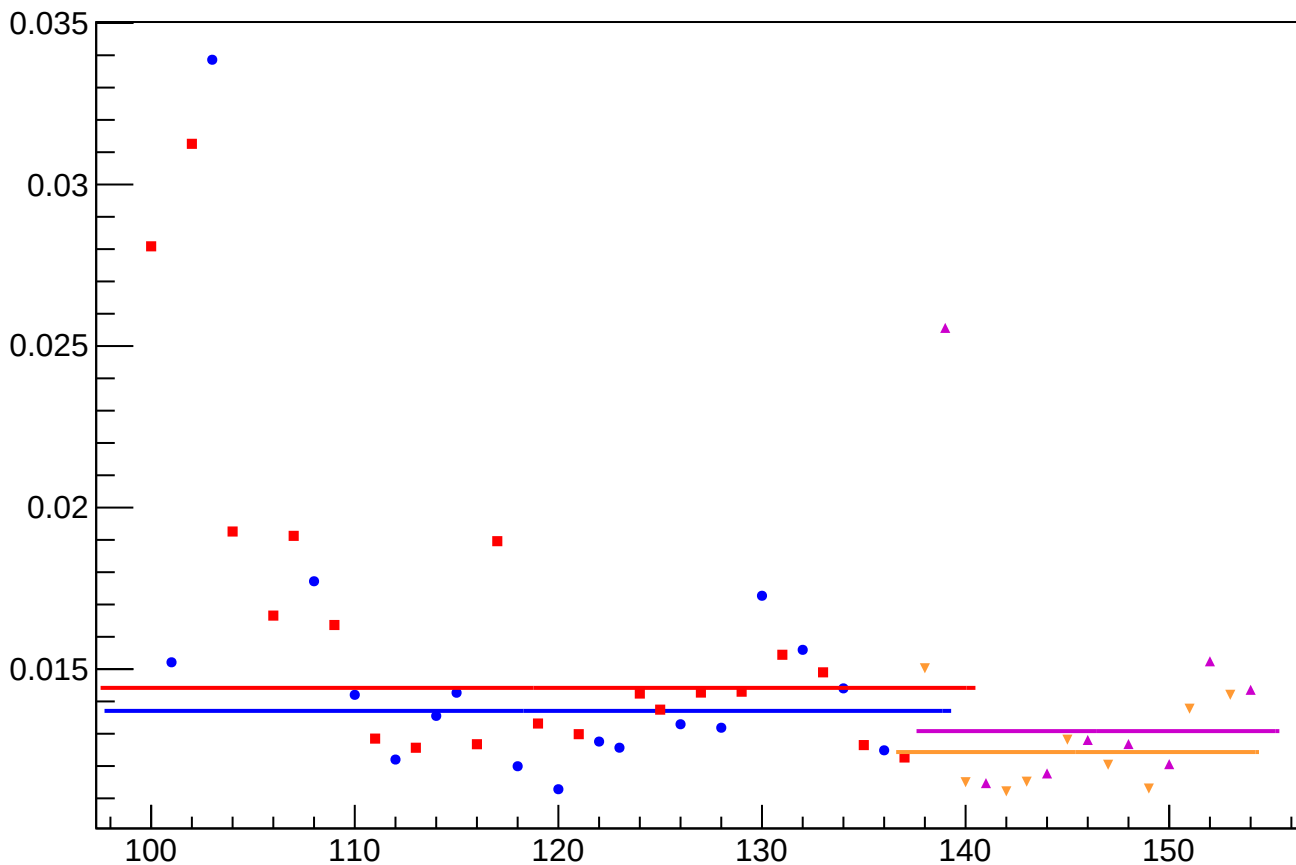
Left In: 0.761+/-0.000 χ^2/NDF : 106390358.4/7

0.858+/-0.000 χ^2/NDF : 863768531.8/25

0.847+/-0.000 χ^2/NDF : 1763311434.9/53

0.836+/-0.000 χ^2/NDF : 883733811.4/27

yield_bpm11X_rms vs Slug, Sign Corrected



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

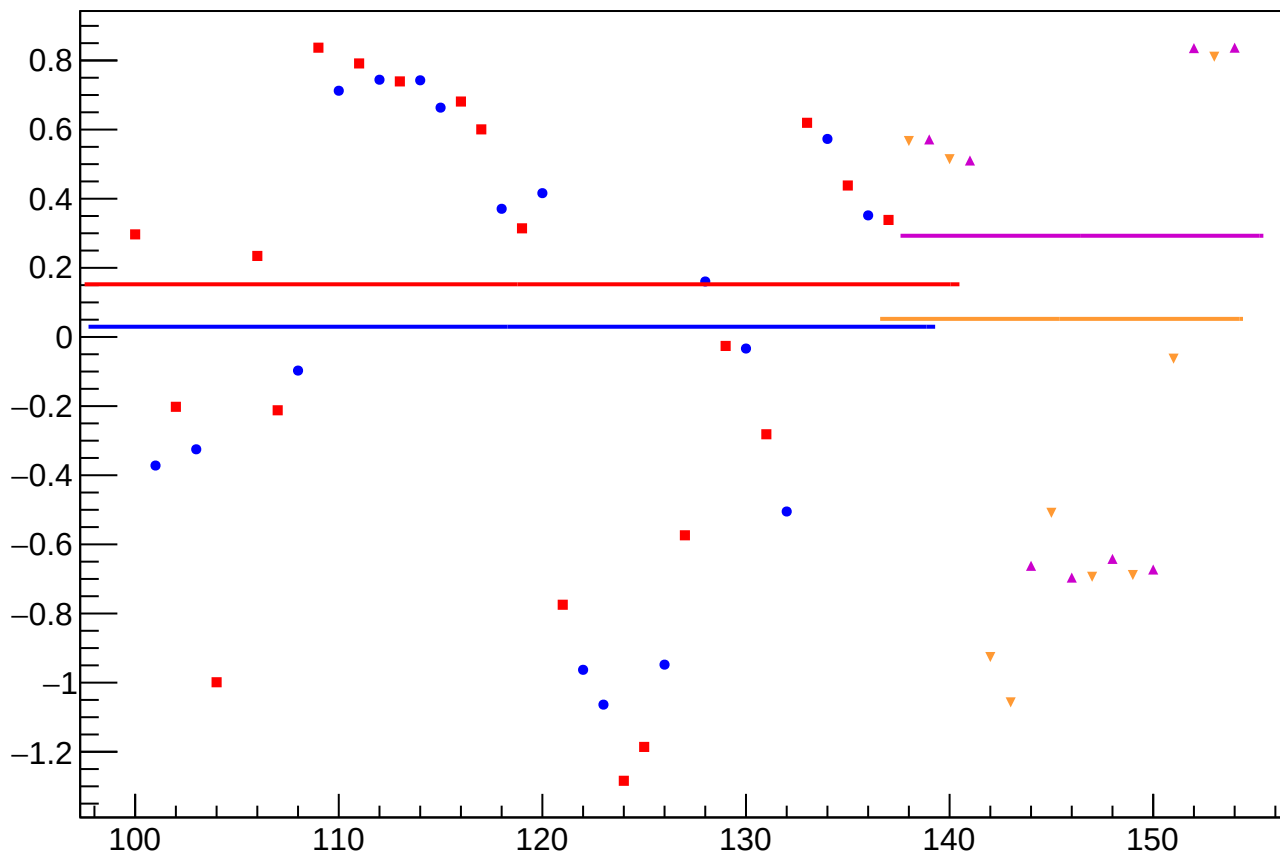
Left In: 0.013+/-0.000 χ^2/NDF : 416636.3/7

0.013+/-0.000 χ^2/NDF : 713582.5/25

0.013+/-0.000 χ^2/NDF : 1723806.3/53

0.014+/-0.000 χ^2/NDF : 979181.5/27

yield_bpm11Y_mean vs Slug, Sign Corrected



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

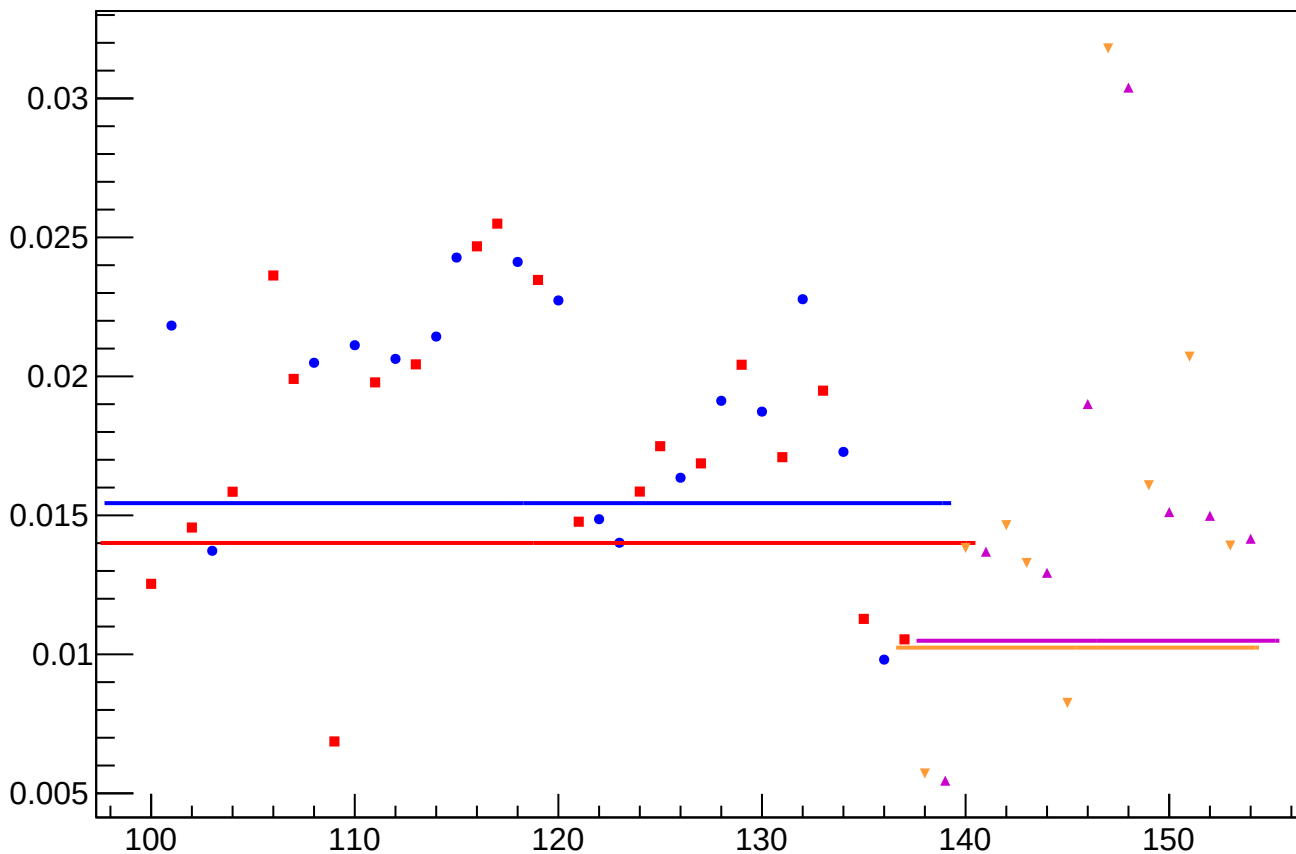
Left In: 0.293 $\pm$ 0.000 χ^2/NDF :14726265303.9/7

0.045 $\pm$ 0.000 χ^2/NDF : 25340217921.9/25

0.144 $\pm$ 0.000 χ^2/NDF : 54415379318.9/5

0.238 $\pm$ 0.000 χ^2/NDF : 27743851291.3/27

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015 $\pm$ 0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 2417832.9/8

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 1576149.9/19

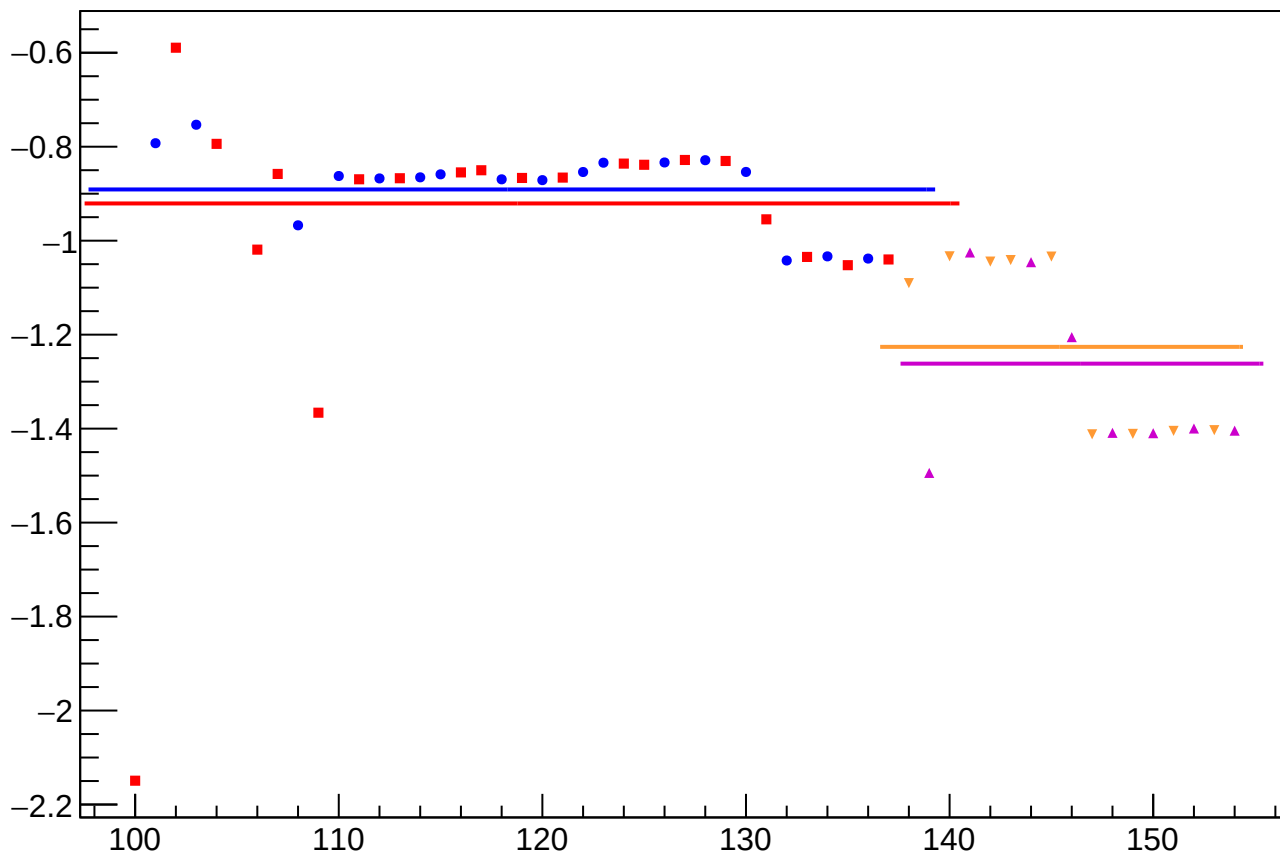
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 2570506.9/7

0.012 $\pm$ 0.000 χ^2/NDF : 4424327.8/25

0.012 $\pm$ 0.000 χ^2/NDF : 9004406.2/53

0.012 $\pm$ 0.000 χ^2/NDF : 4578523.3/27

yield_bpm12X_mean vs Slug, Sign Corrected



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

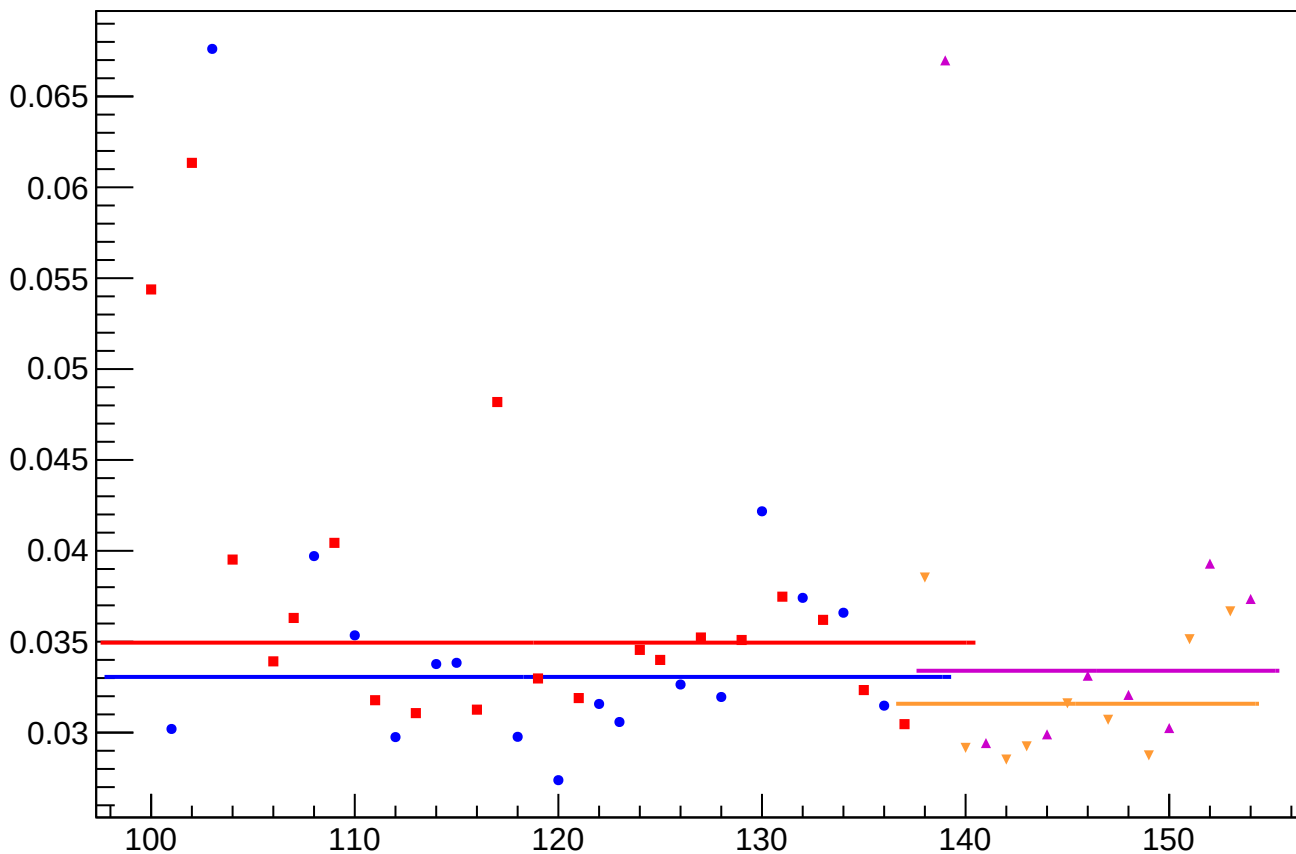
Left In: -1.262+/-0.000 χ^2/NDF : 149352135.5/7

-1.062+/-0.000 χ^2/NDF : 532829762.9/25

-1.076+/-0.000 χ^2/NDF : 1113001090.7/53

-1.091+/-0.000 χ^2/NDF : 575581208.4/27

yield_bpm12X_rms vs Slug, Sign Corrected



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

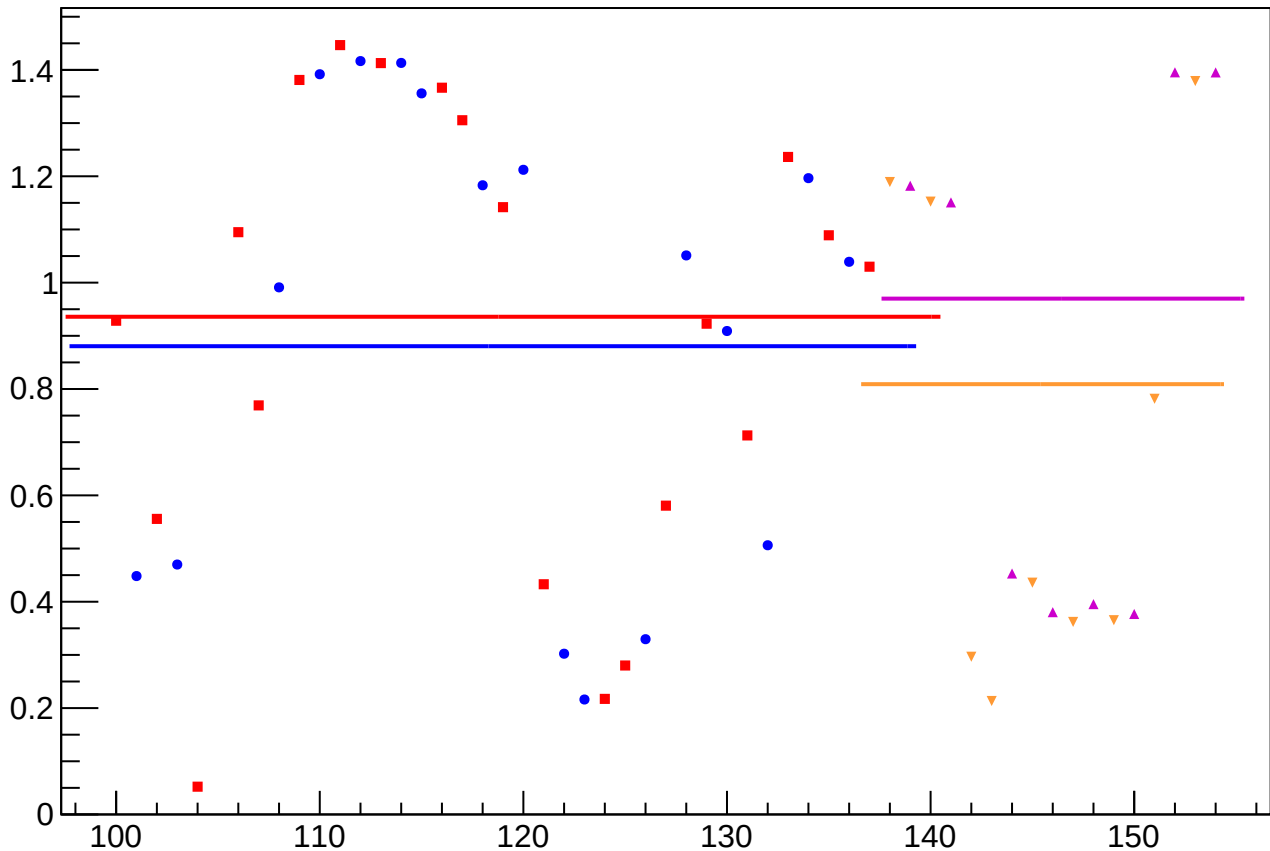
Left In: 0.033+/-0.000 χ^2/NDF :447787.5/7

0.032+/-0.000 χ^2/NDF : 541948.1/25

0.033+/-0.000 χ^2/NDF : 1319043.2/53

0.034+/-0.000 χ^2/NDF : 740429.6/27

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.880 $\pm$ 0.000 χ^2 /NDF: 6400108121.4/16

Left Out: 0.809 $\pm$ 0.000 χ^2 /NDF: 15070480738.5/8

Right Out: 0.936 $\pm$ 0.000 χ^2 /NDF: 9851303698.9/19

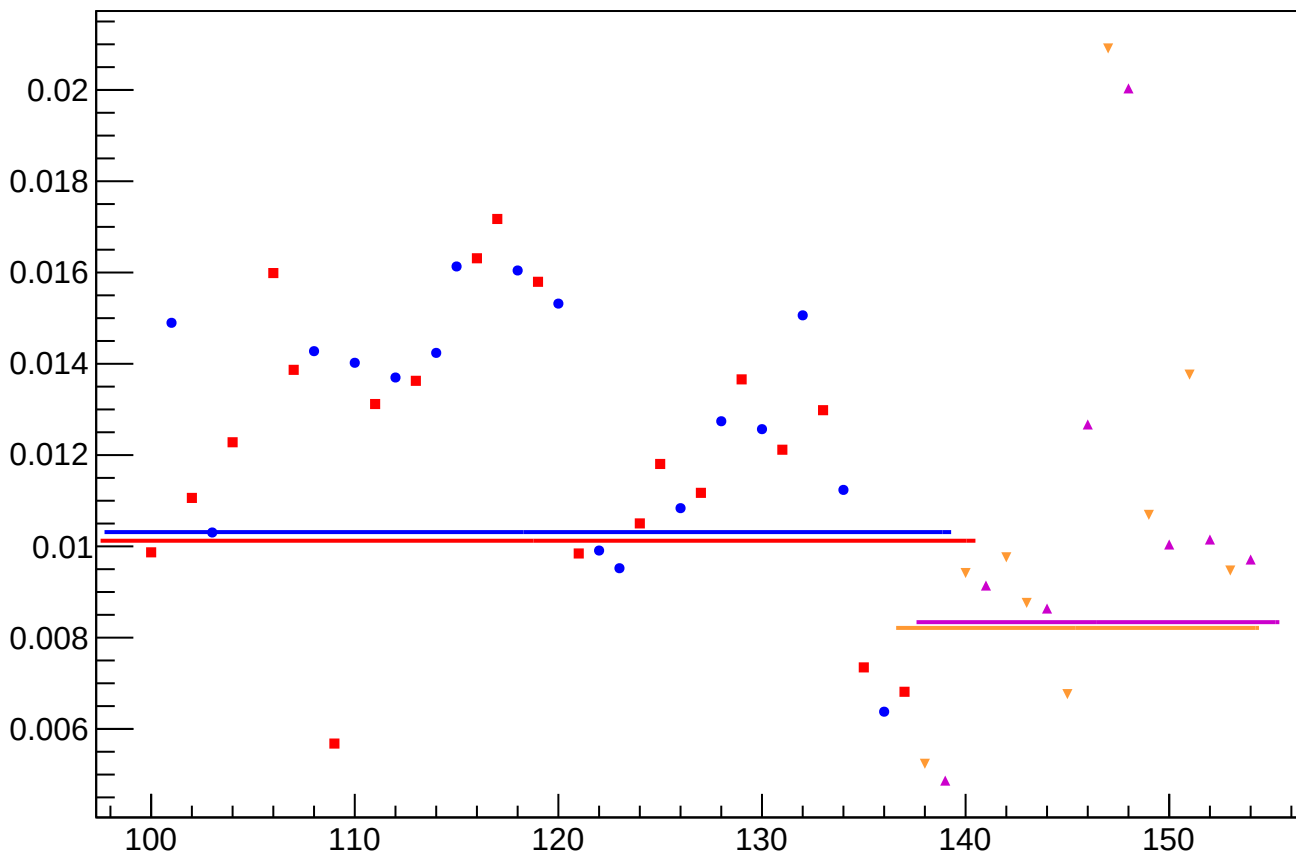
Left In: 0.970 $\pm$ 0.000 χ^2 /NDF: 12631972272.3/7

0.837 $\pm$ 0.000 χ^2 /NDF: 21633180266.2/25

0.897 $\pm$ 0.000 χ^2 /NDF: 45097299407.0/5

0.956 $\pm$ 0.000 χ^2 /NDF: 22521783536.4/27

yield_bpm12Y_rms vs Slug, Sign Corrected



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

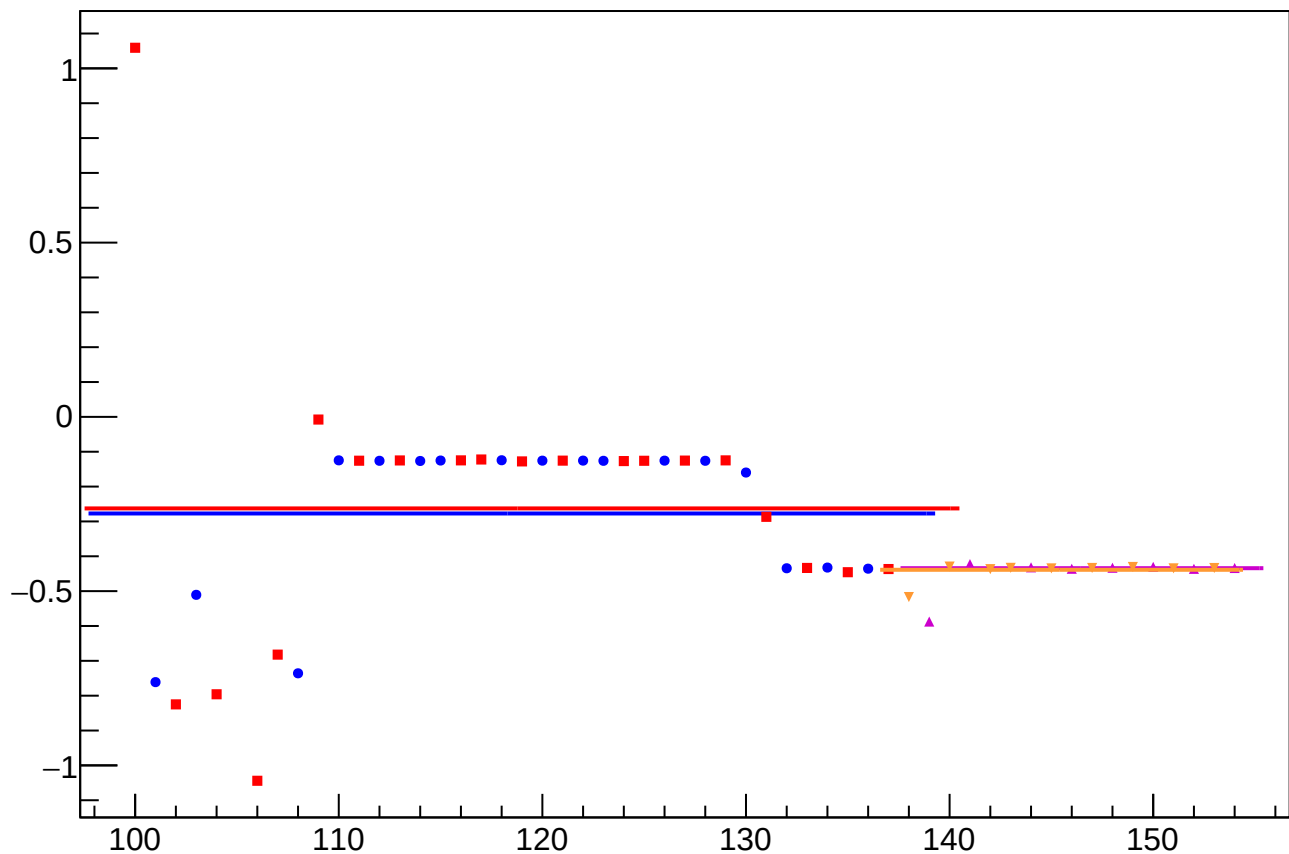
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1476759.3/7

0.009 $\pm$ 0.000 χ^2 /NDF: 2945382.2/25

0.009 $\pm$ 0.000 χ^2 /NDF: 5824852.4/53

0.009 $\pm$ 0.000 χ^2 /NDF: 2879155.1/27

yield_bpm16X_mean vs Slug, Sign Corrected



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

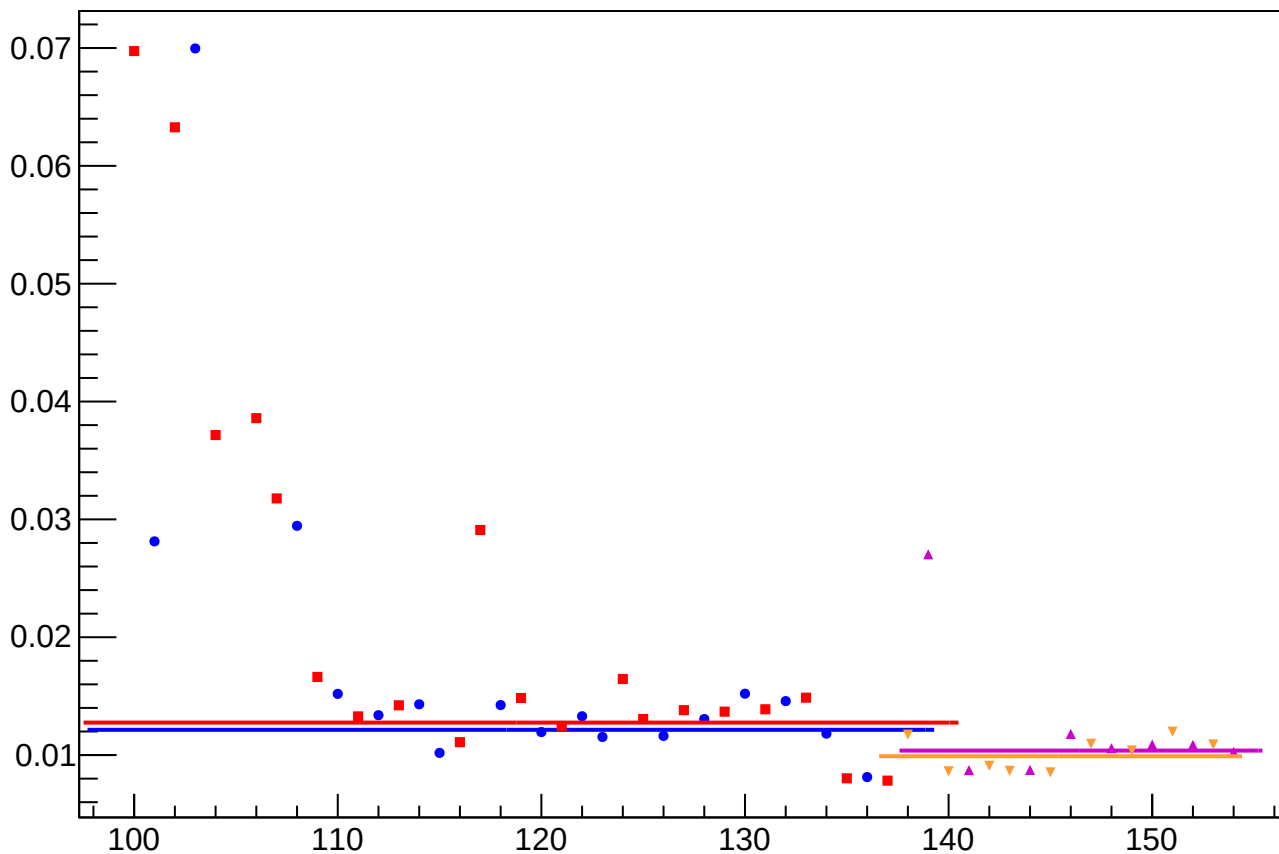
Left In: -0.434+/-0.000 χ^2/NDF : 22681597.1/7

-0.378+/-0.000 χ^2/NDF : 1485753874.1/25

-0.373+/-0.000 χ^2/NDF : 3064918463.0/53

-0.368+/-0.000 χ^2/NDF : 1575403480.9/27

yield_bpm16X_rms vs Slug, Sign Corrected



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

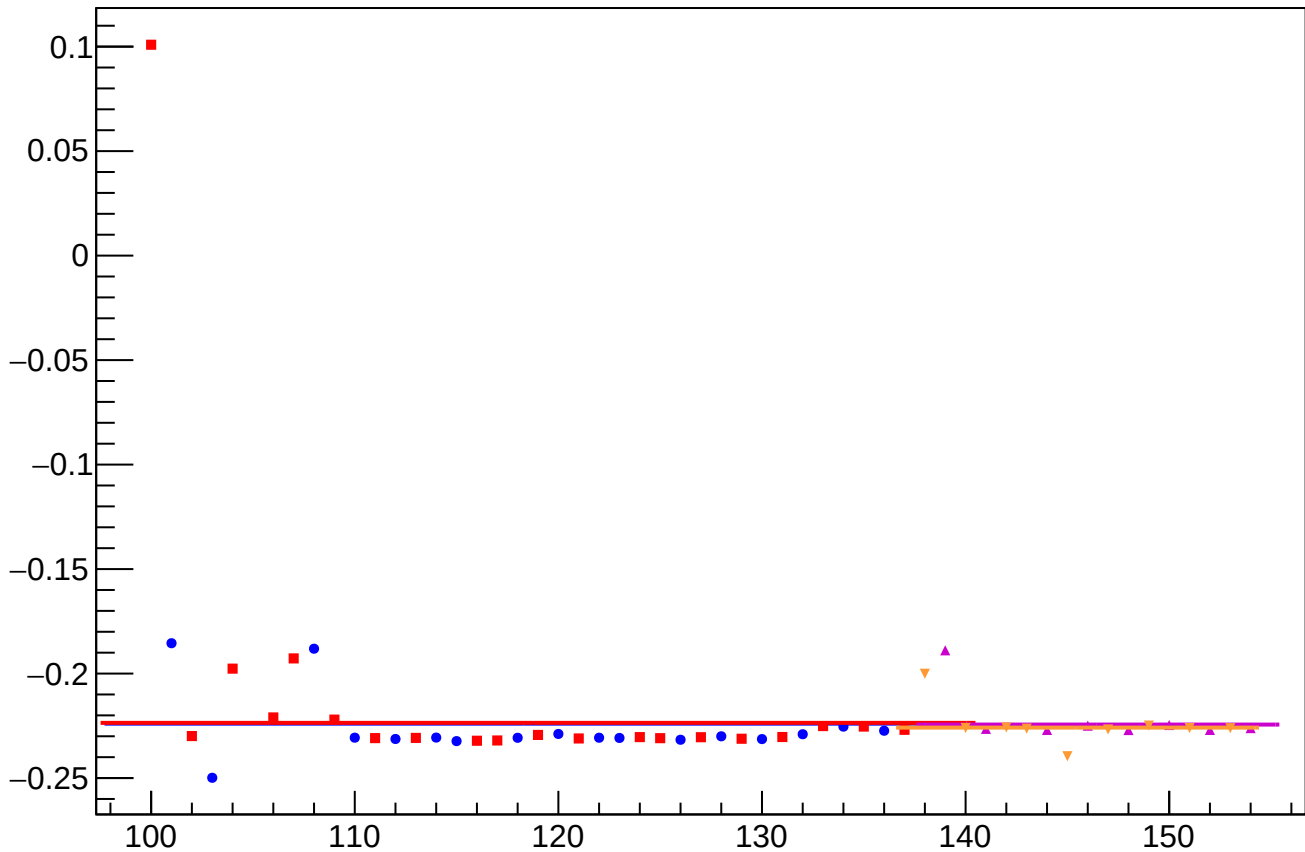
Left In: 0.010+/-0.000 χ^2/NDF : 623689.4/7

0.011+/-0.000 χ^2/NDF : 2103638.7/25

0.011+/-0.000 χ^2/NDF : 4953959.8/53

0.011+/-0.000 χ^2/NDF : 2825879.5/27

yield_bpm16Y_mean vs Slug, Sign Corrected



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

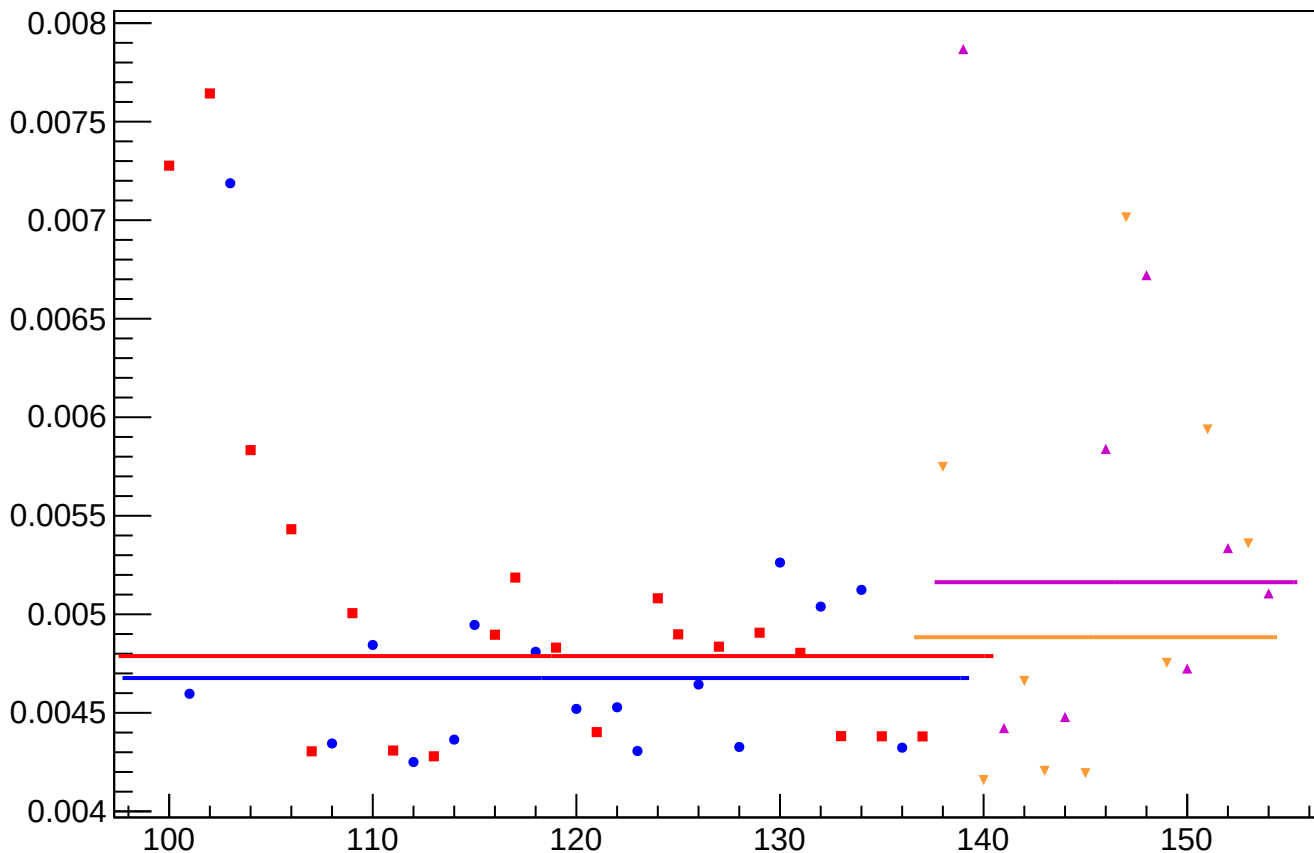
Left In: -0.224 +/- 0.000 χ^2/NDF : 13917074.3/7

-0.225 +/- 0.000 χ^2/NDF : 95698367.6/25

-0.224 +/- 0.000 χ^2/NDF : 278137836.0/53

-0.224 +/- 0.000 χ^2/NDF : 182231629.1/27

yield_bpm16Y_rms vs Slug, Sign Corrected



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

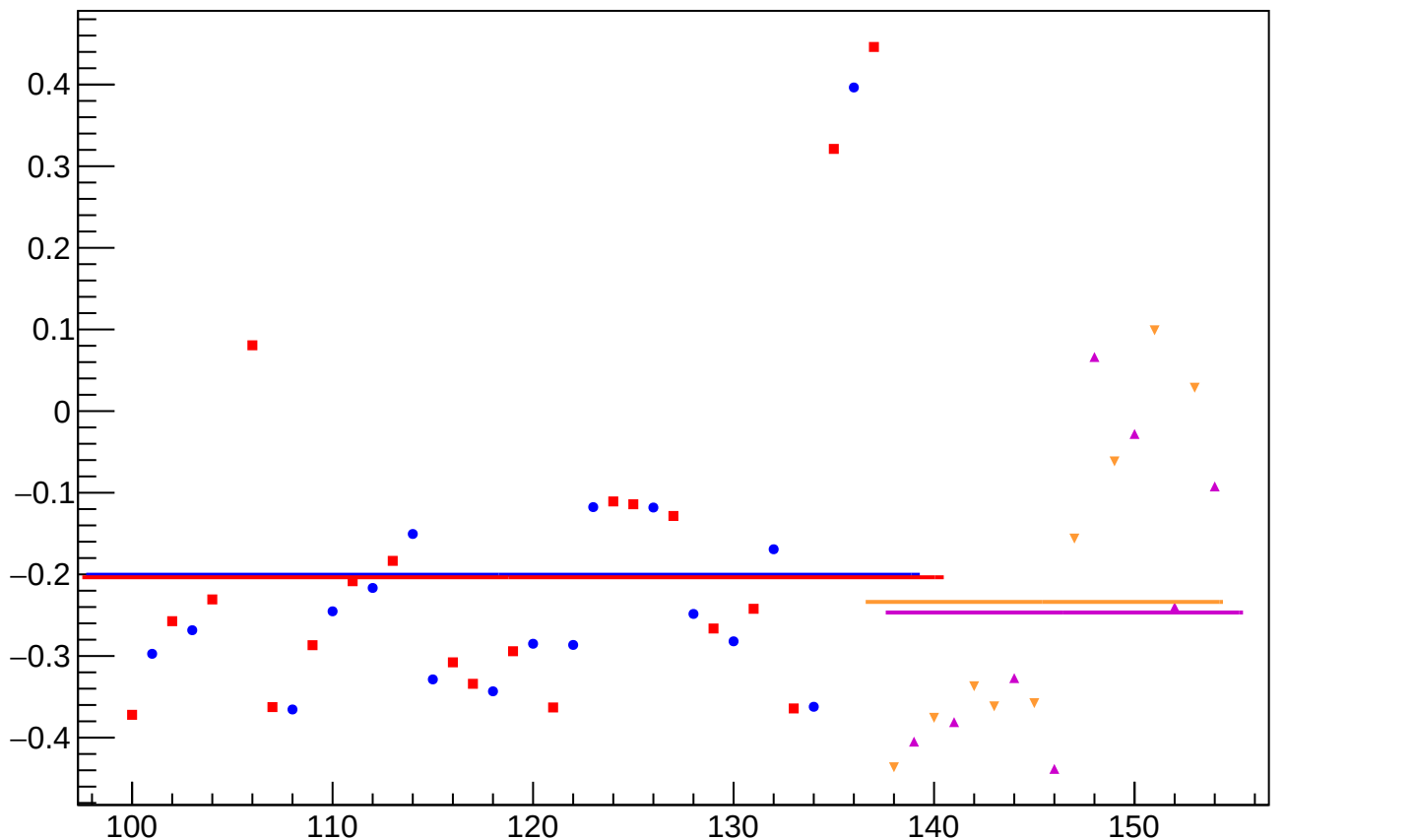
Left In: 0.005+/-0.000 χ^2/NDF : 349460.1/7

0.005+/-0.000 χ^2/NDF : 537593.1/25

0.005+/-0.000 χ^2/NDF : 1187327.2/53

0.005+/-0.000 χ^2/NDF : 633152.3/27

yield_bpm0i02X_mean vs Slug, Sign Corrected



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

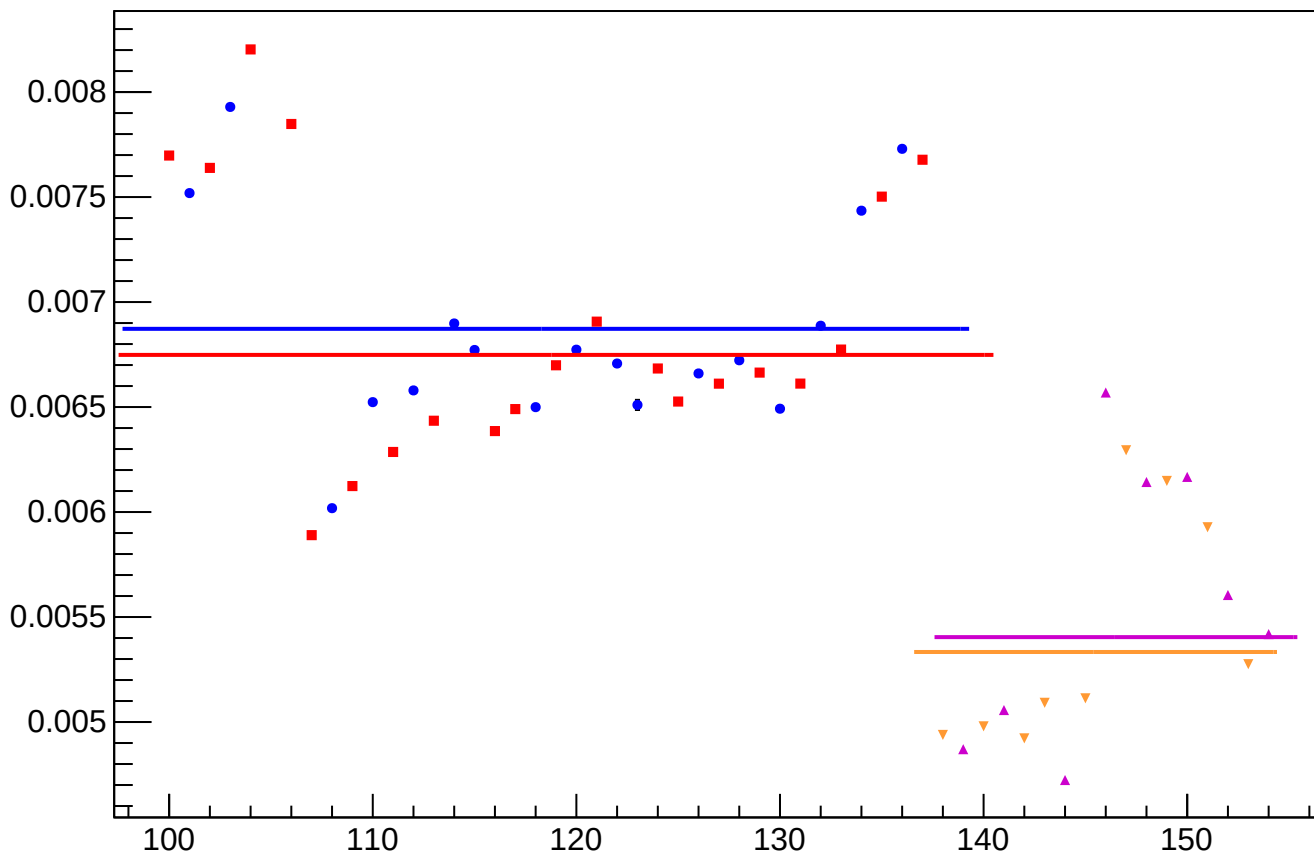
Left In: -0.247+/-0.000 χ^2/NDF : 5416904629.8/7

-0.221+/-0.000 χ^2/NDF : 13625366810.9/25

-0.224+/-0.000 χ^2/NDF : 24259468778.4/5

-0.228+/-0.000 χ^2/NDF : 10623911171.4/27

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 78611.6/16

Left Out: 0.005 $\pm$ 0.000 χ^2/NDF : 97316.3/8

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 105262.1/19

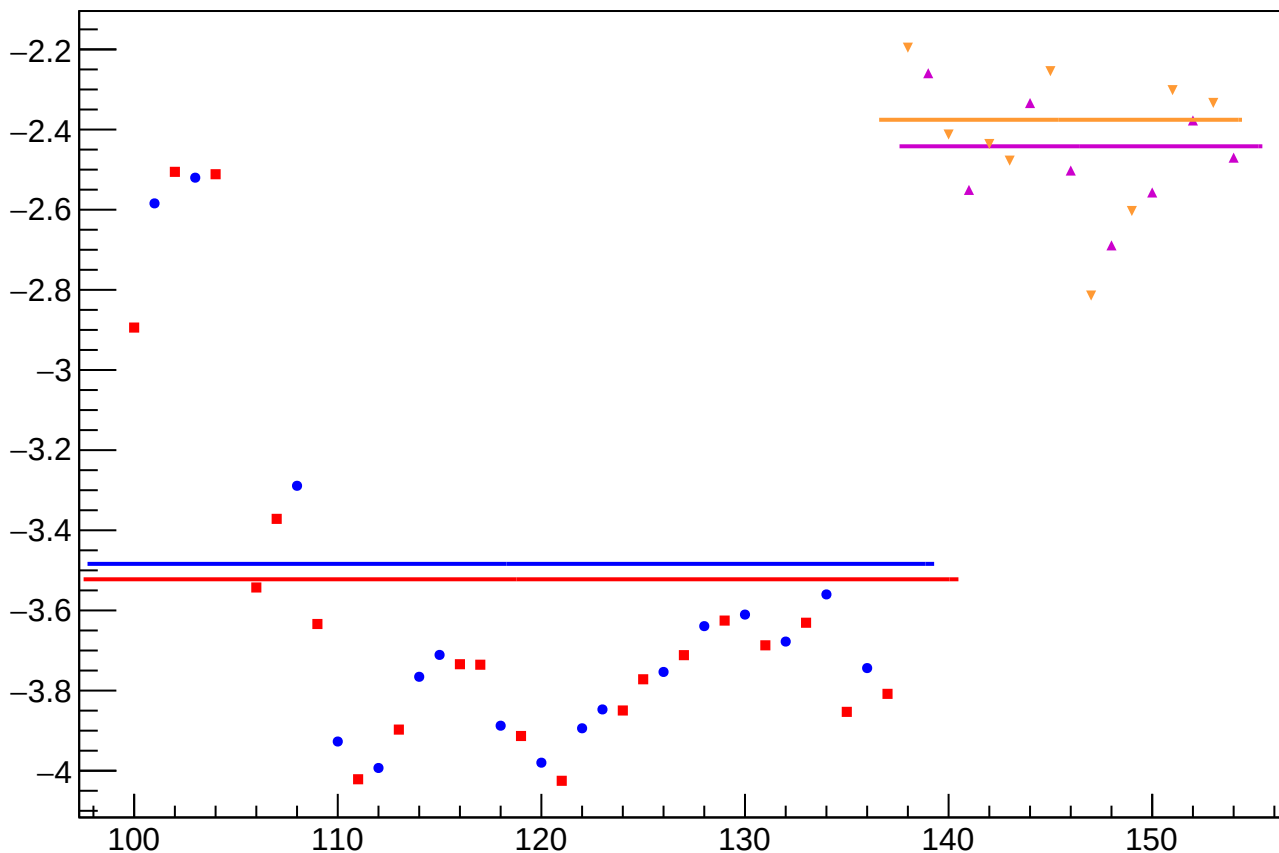
Left In: 0.005 $\pm$ 0.000 χ^2/NDF : 141457.4/7

0.006 $\pm$ 0.000 χ^2/NDF : 572347.1/25

0.006 $\pm$ 0.000 χ^2/NDF : 1132083.2/53

0.006 $\pm$ 0.000 χ^2/NDF : 559242.7/27

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.376+/-0.000 χ^2/NDF : 1402856661.6/8

-3.052+/-0.000 χ^2/NDF : 76637971596.6/25

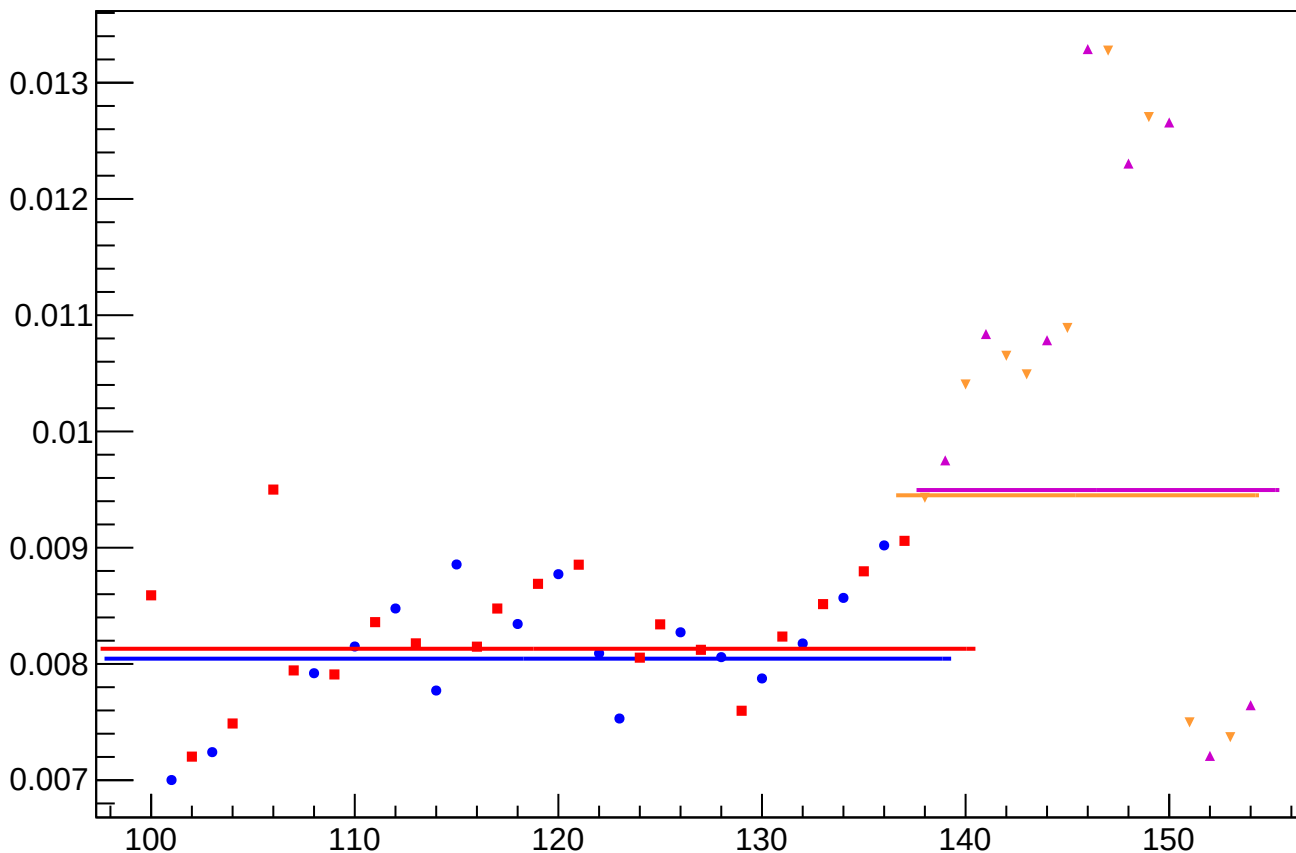
Right Out: -3.522+/-0.000 χ^2/NDF : 26497611752.4/19

-3.082+/-0.000 χ^2/NDF : 149984930679.9

-3.112+/-0.000 χ^2/NDF : 73056634821.0/27

Left In: -2.442+/-0.000 χ^2/NDF : 826642155.4/7

yield_bpm0i02Y_rms vs Slug, Sign Corrected



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

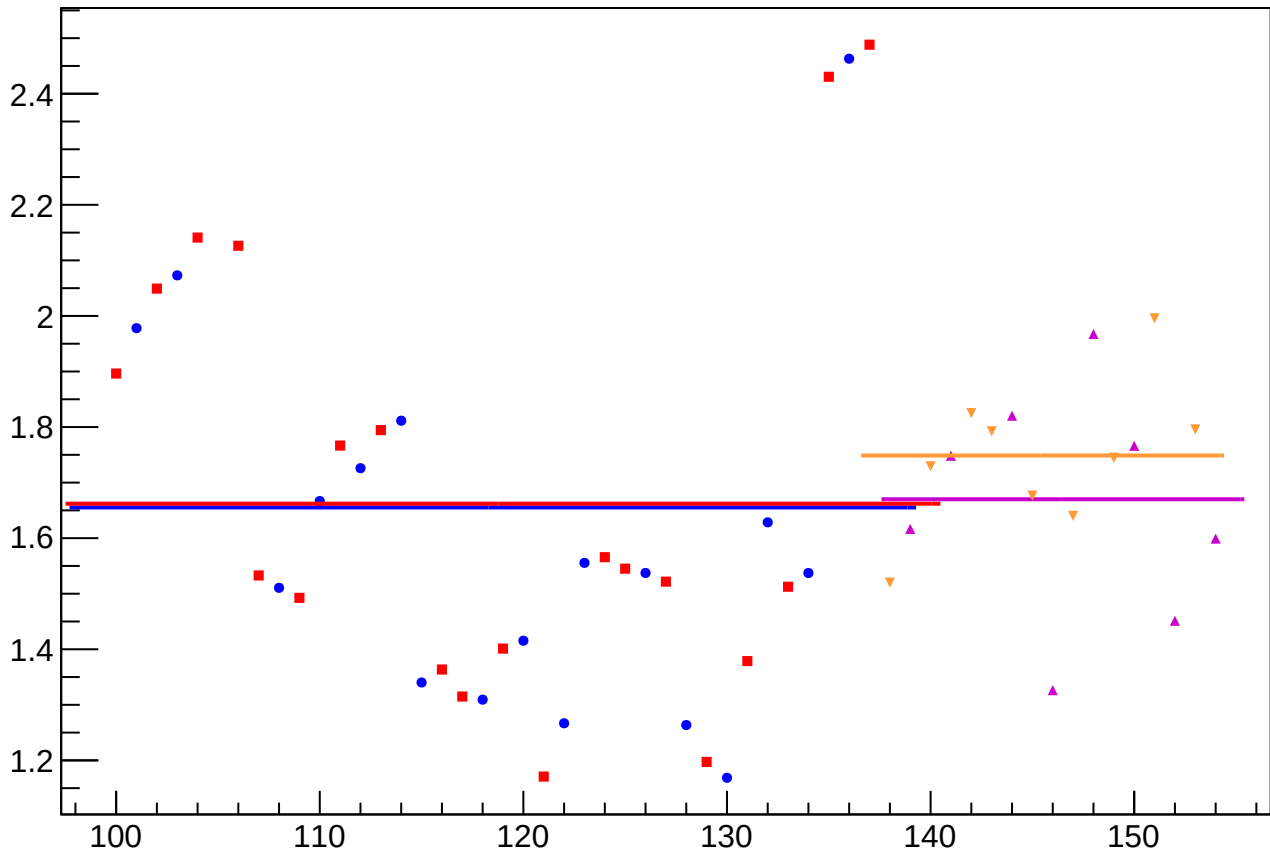
Left In: 0.009+/-0.000 χ^2/NDF : 568656.7/7

0.009+/-0.000 χ^2/NDF : 688417.1/25

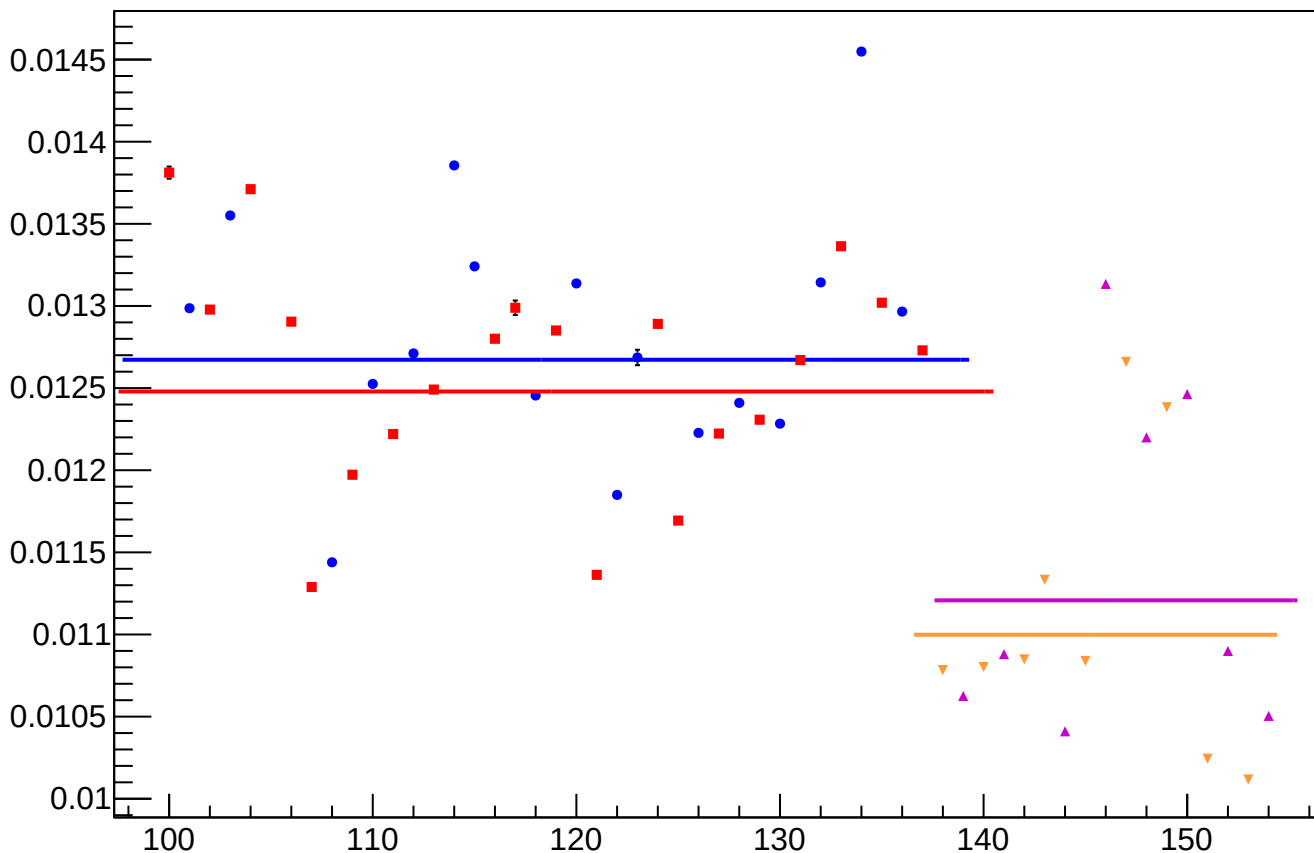
0.009+/-0.000 χ^2/NDF : 1461295.5/53

0.009+/-0.000 χ^2/NDF : 772338.6/27

yield_bpm0i02aX_mean vs Slug, Sign Corrected



yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 31801.3/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 65289.5/8

Right Out: 0.012 $\pm$ 0.000 χ^2/NDF : 39268.9/19

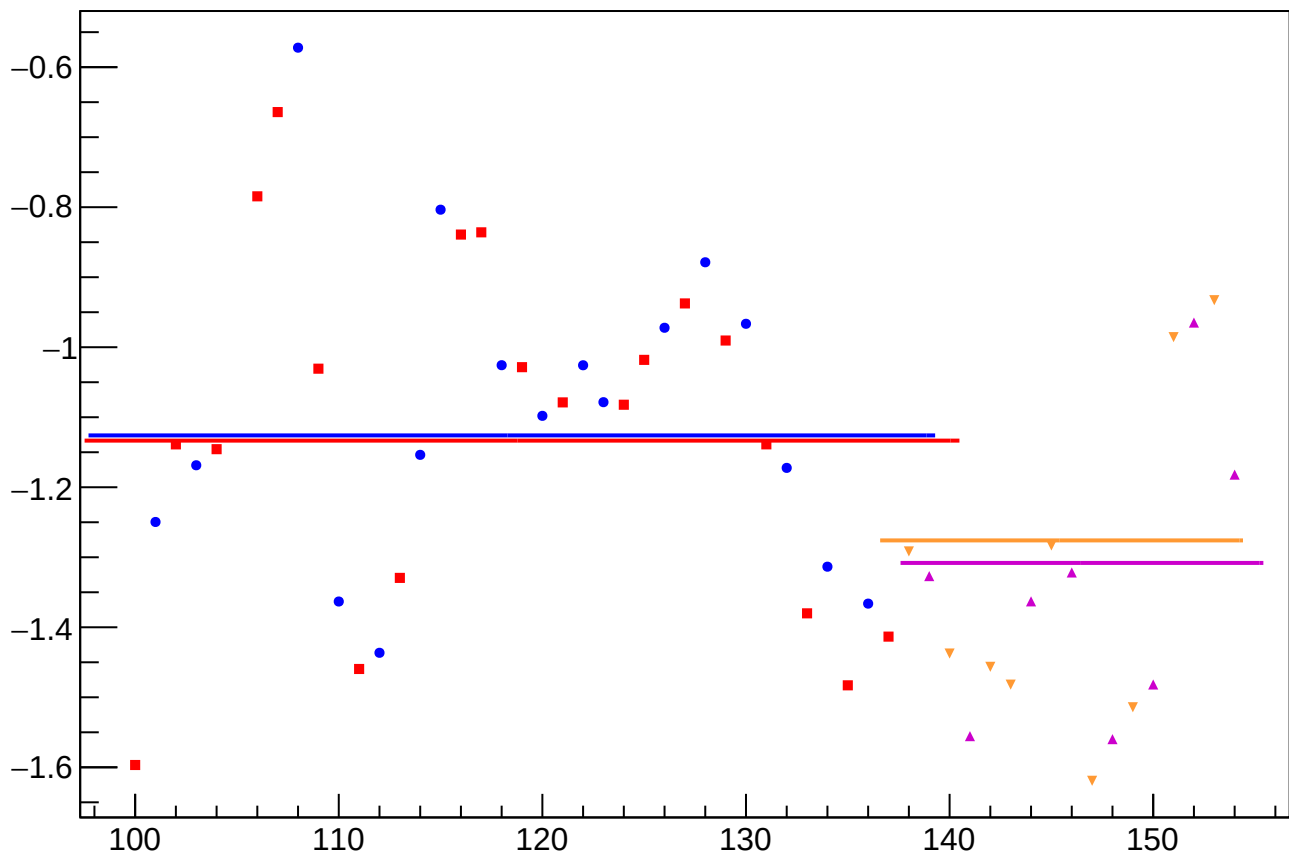
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 79450.3/7

0.012 $\pm$ 0.000 χ^2/NDF : 224309.4/25

0.012 $\pm$ 0.000 χ^2/NDF : 418443.3/53

0.012 $\pm$ 0.000 χ^2/NDF : 193614.6/27

yield_bpm0i02aY_mean vs Slug, Sign Corrected



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

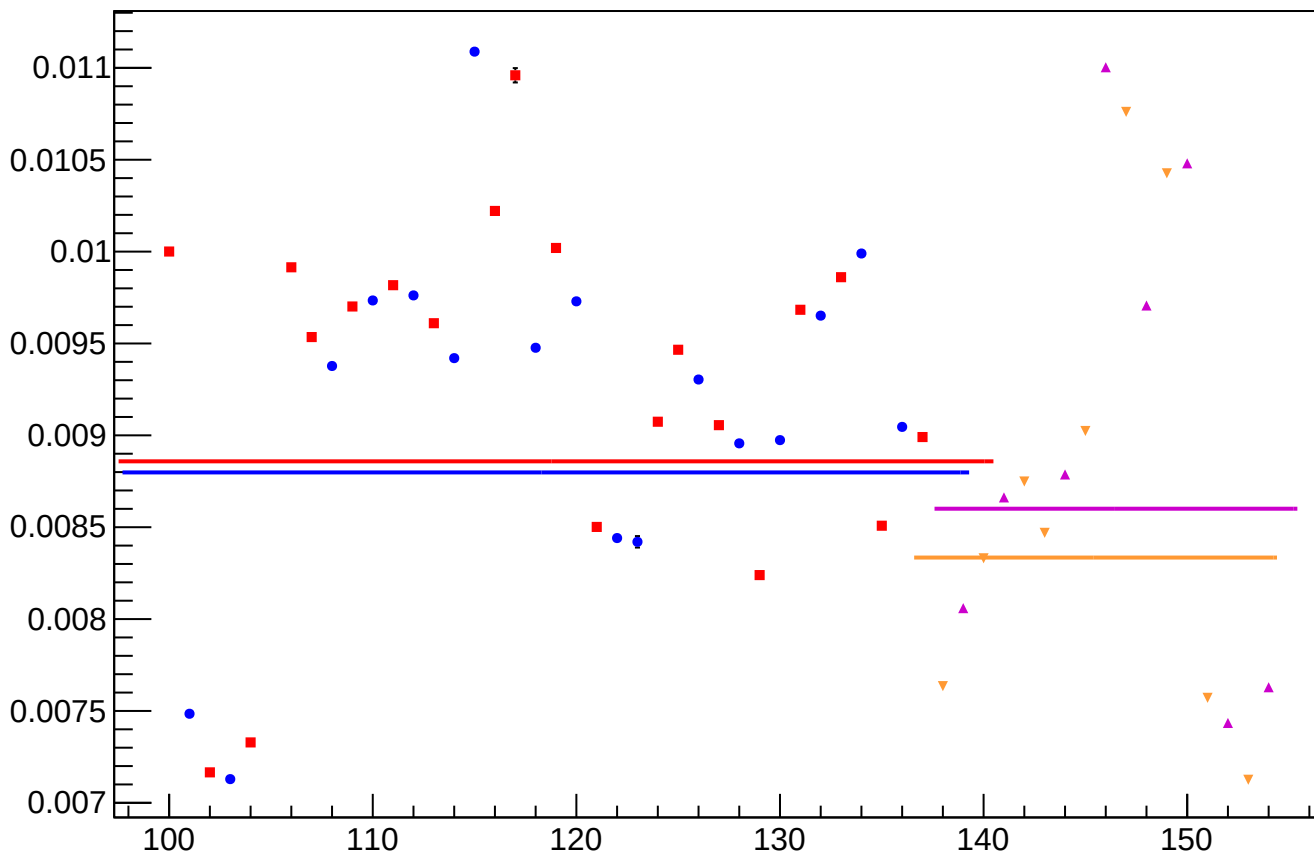
Left In: -1.308+/-0.000 χ^2/NDF : 3236442885.1/7

-1.201+/-0.000 χ^2/NDF : 9004968749.1/25

-1.209+/-0.000 χ^2/NDF : 17216581674.2/5

-1.218+/-0.000 χ^2/NDF : 8189597773.1/27

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009 ± 0.000 $\chi^2/\text{NDF}: 151586.8/16$

Left Out: 0.008 ± 0.000 $\chi^2/\text{NDF}: 195119.3/8$

Right Out: 0.009 ± 0.000 $\chi^2/\text{NDF}: 176858.0/19$

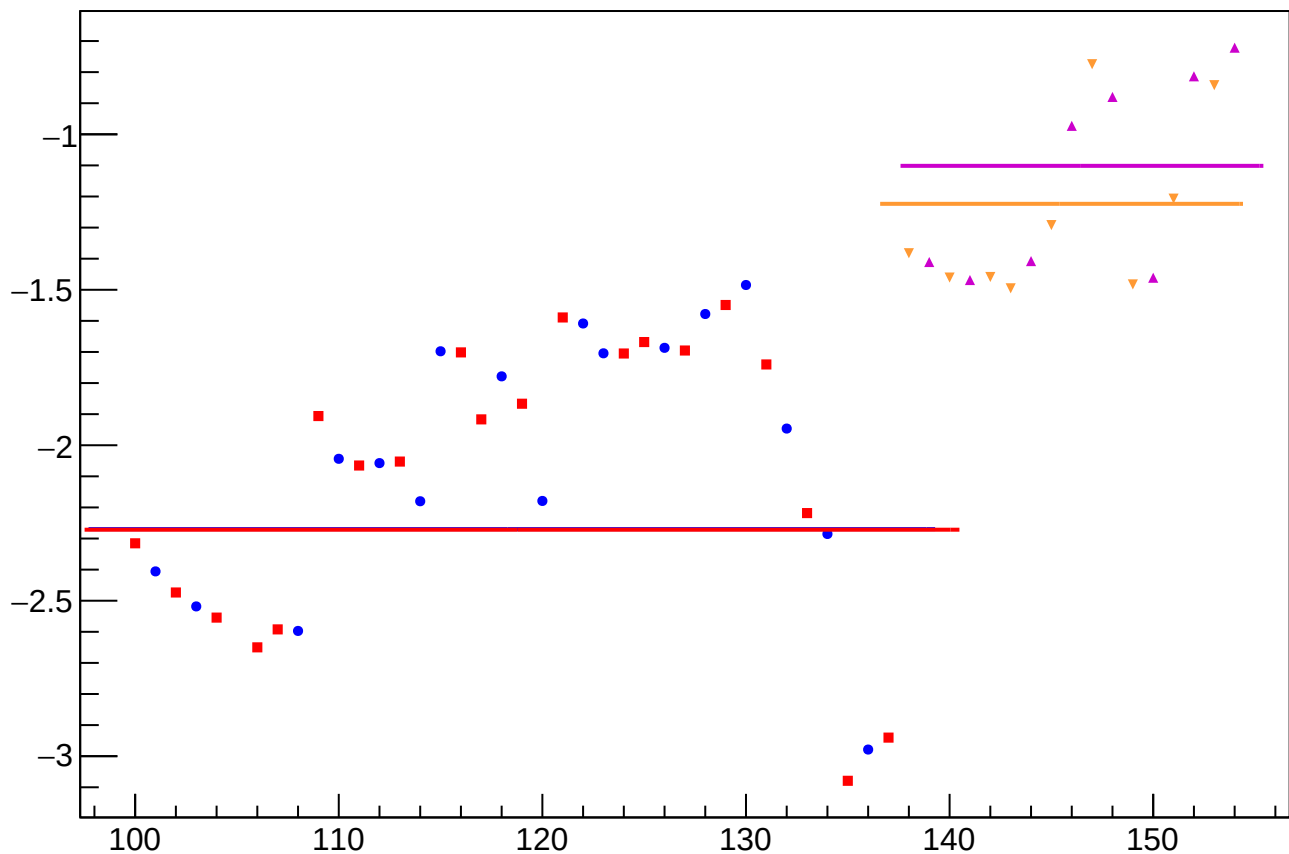
Left In: 0.009 ± 0.000 $\chi^2/\text{NDF}: 194677.9/7$

0.009 ± 0.000 $\chi^2/\text{NDF}: 364447.8/25$

0.009 ± 0.000 $\chi^2/\text{NDF}: 746086.1/53$

0.009 ± 0.000 $\chi^2/\text{NDF}: 376967.9/27$

yield_bpm0i05X_mean vs Slug, Sign Corrected



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

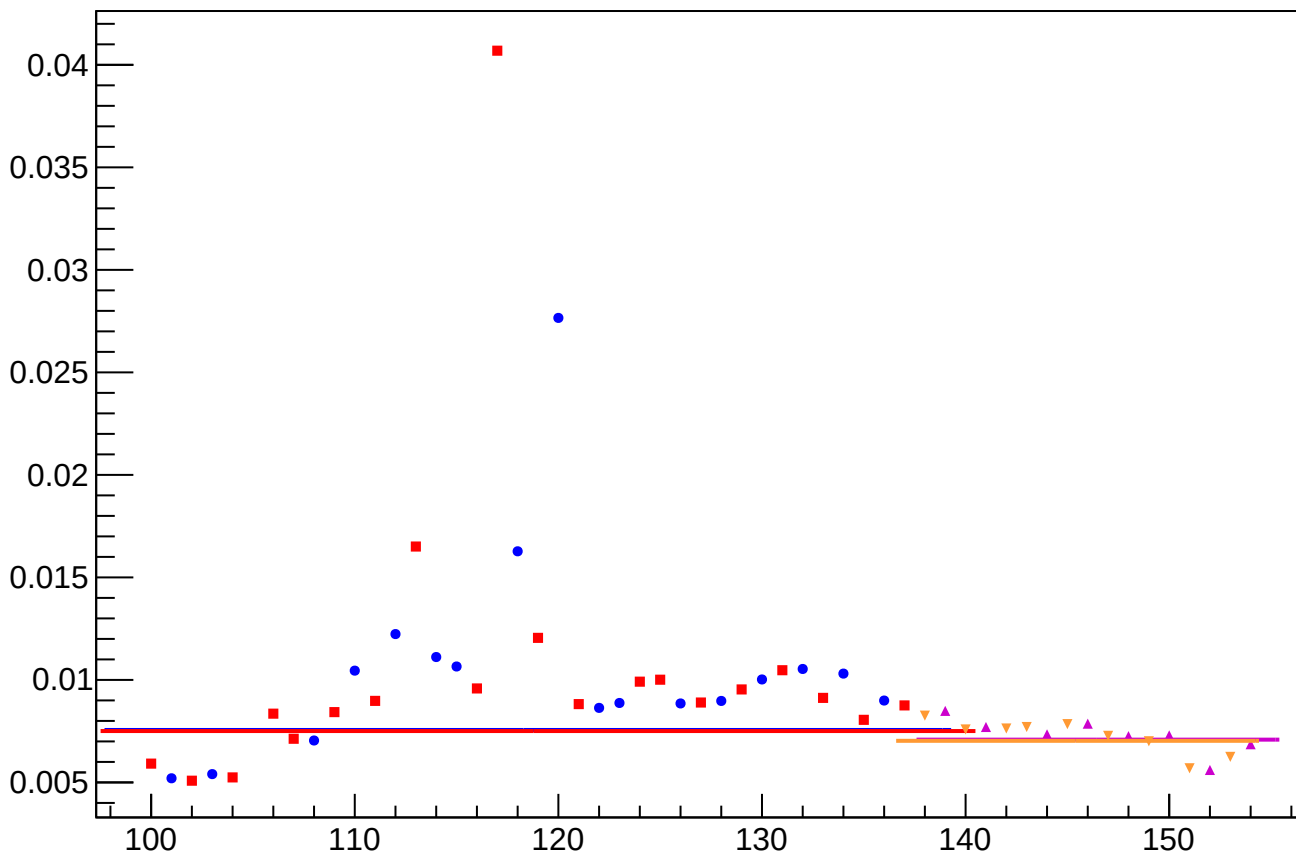
Left In: -1.101+/-0.000 χ^2/NDF : 11344906781.2/7

-1.668+/-0.000 χ^2/NDF : 81619262334.0/25

-1.650+/-0.000 χ^2/NDF : 186453645771.2

-1.634+/-0.000 χ^2/NDF : 104711227952.7/27

yield_bpm0i05X_rms vs Slug, Sign Corrected



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

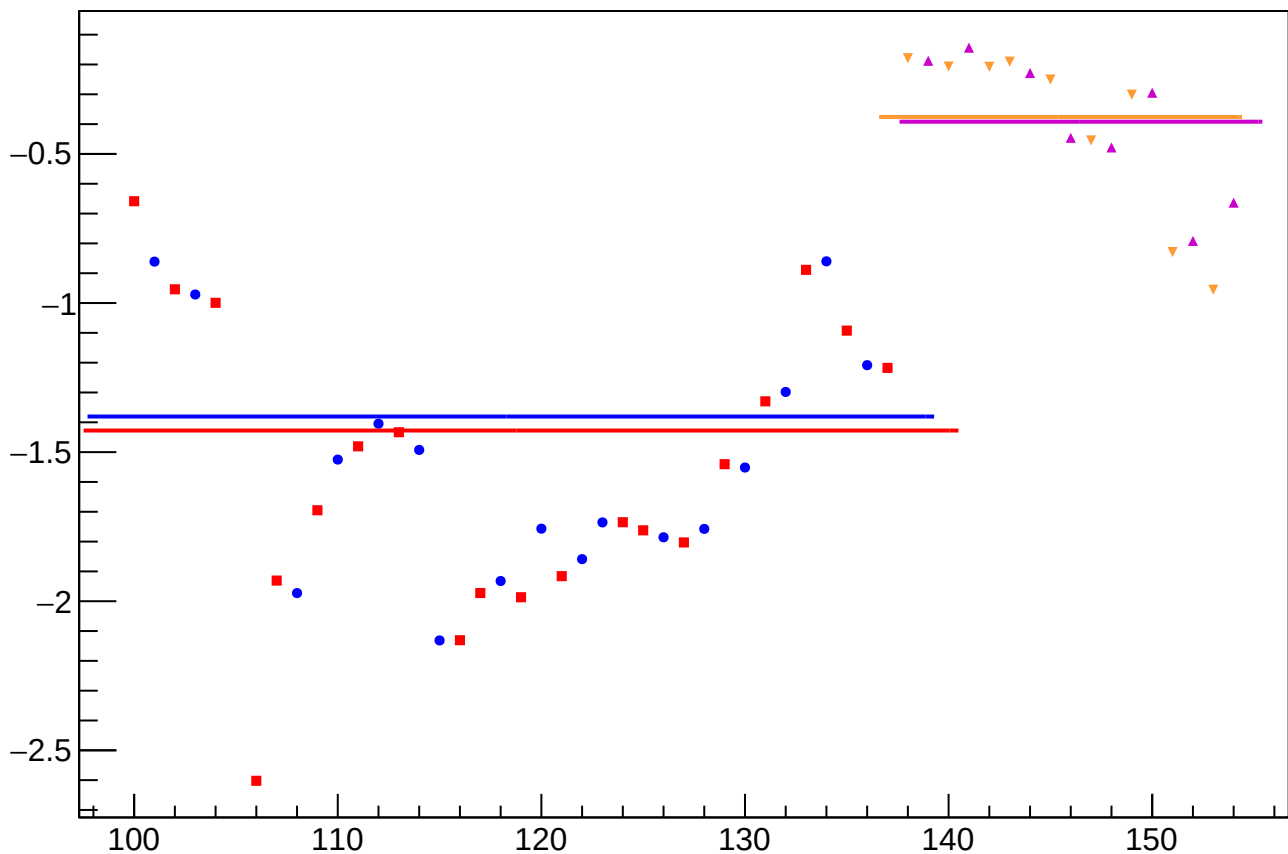
Left In: 0.007+/-0.000 χ^2/NDF :171249.4/7

0.007+/-0.000 χ^2/NDF : 1413378.3/25

0.007+/-0.000 χ^2/NDF : 2588647.1/53

0.007+/-0.000 χ^2/NDF : 1175152.0/27

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.381 ± 0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.376 ± 0.000 χ^2/NDF : 24031150975.0/8

-0.653 ± 0.000 χ^2/NDF : 138936221182.9/25

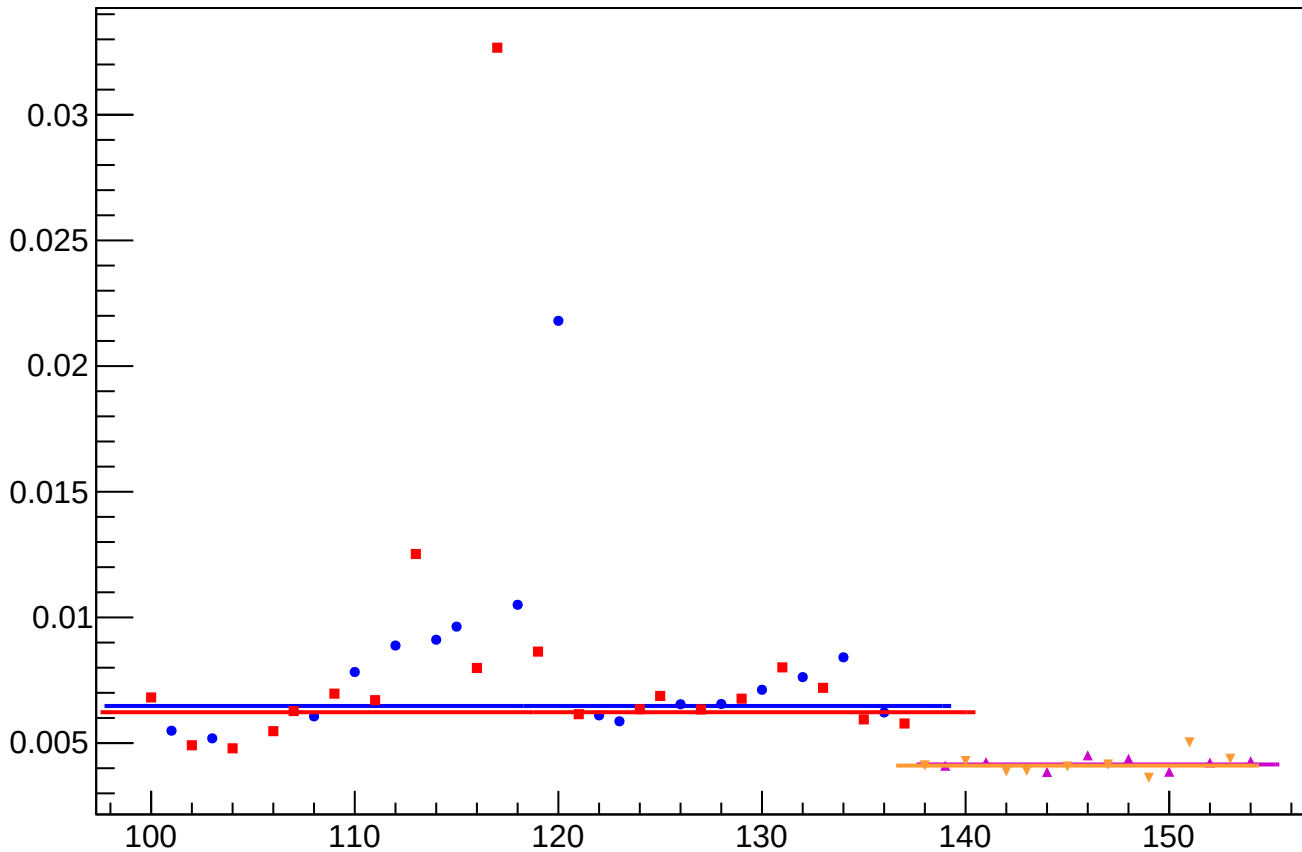
Right Out: -1.428 ± 0.000 χ^2/NDF : 29626603581.6/19

-0.684 ± 0.000 χ^2/NDF : 298121502305.5

Left In: -0.392 ± 0.000 χ^2/NDF : 16229635207.7/7

-0.713 ± 0.000 χ^2/NDF : 158320626250.4/27

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 572678.4/16

Left Out: 0.004+/-0.000 χ^2/NDF : 78960.5/8

Right Out: 0.006+/-0.000 χ^2/NDF : 472534.6/19

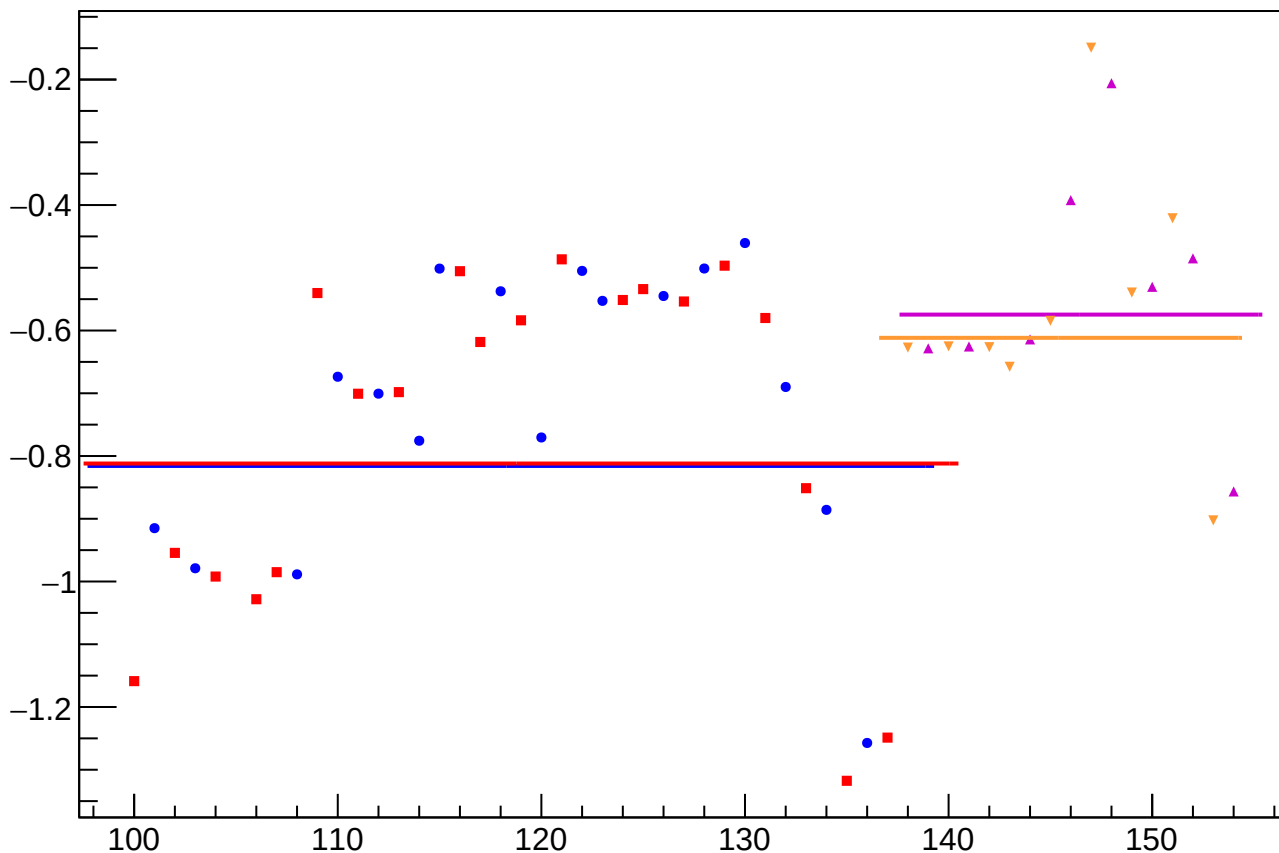
Left In: 0.004+/-0.000 χ^2/NDF : 32960.7/7

0.005+/-0.000 χ^2/NDF : 1710428.9/25

0.005+/-0.000 χ^2/NDF : 3122421.5/53

0.005+/-0.000 χ^2/NDF : 1411408.7/27

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.816 $\pm$ 0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.612 $\pm$ 0.000 χ^2/NDF : 10961909420.7/8

Right Out: -0.812 $\pm$ 0.000 χ^2/NDF : 16818378599.3/19

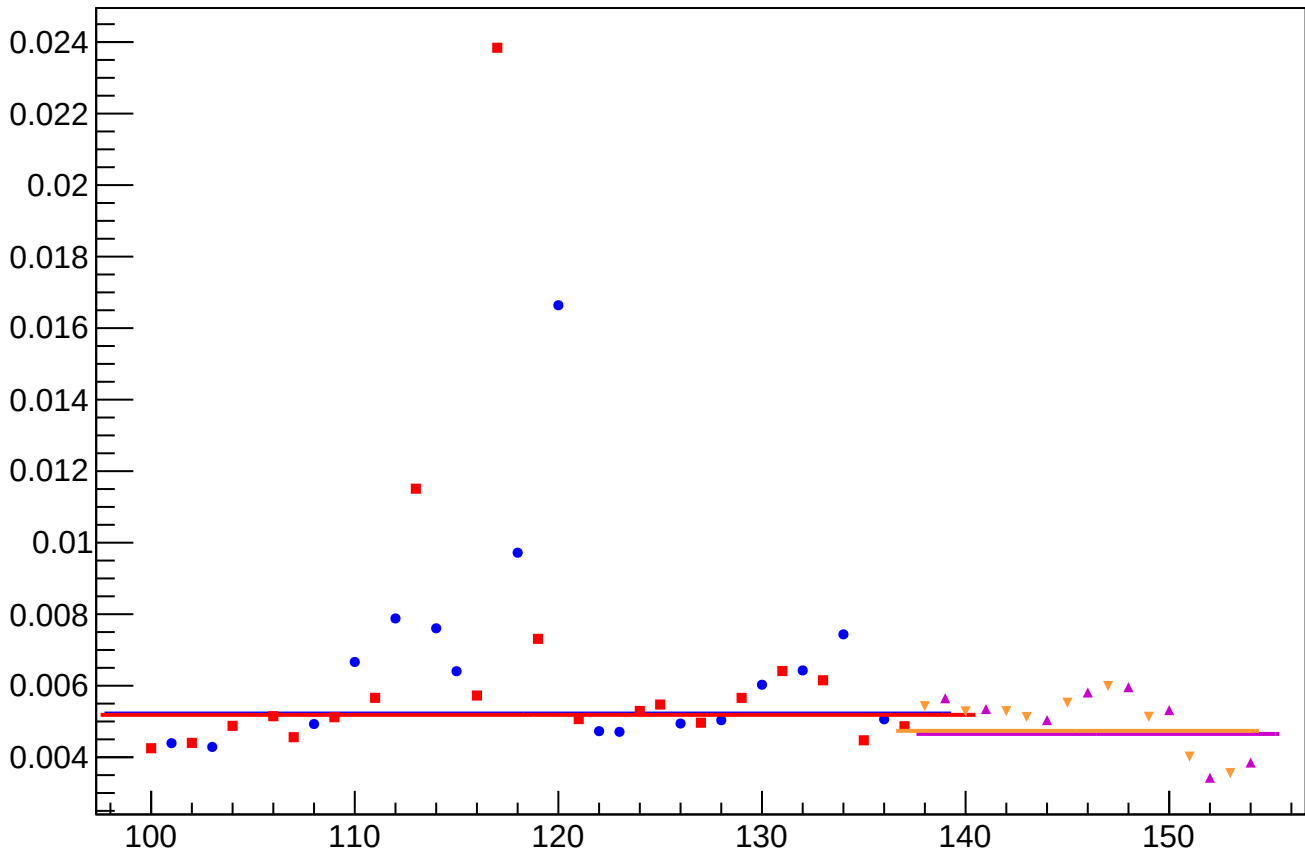
Left In: -0.575 $\pm$ 0.000 χ^2/NDF : 8478646309.5/7

-0.700 $\pm$ 0.000 χ^2/NDF : 29767849663.2/25

-0.691 $\pm$ 0.000 χ^2/NDF : 61975838303.4/5

-0.682 $\pm$ 0.000 χ^2/NDF : 32131089980.8/27

yield_bpm0i07X_rms vs Slug, Sign Corrected



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

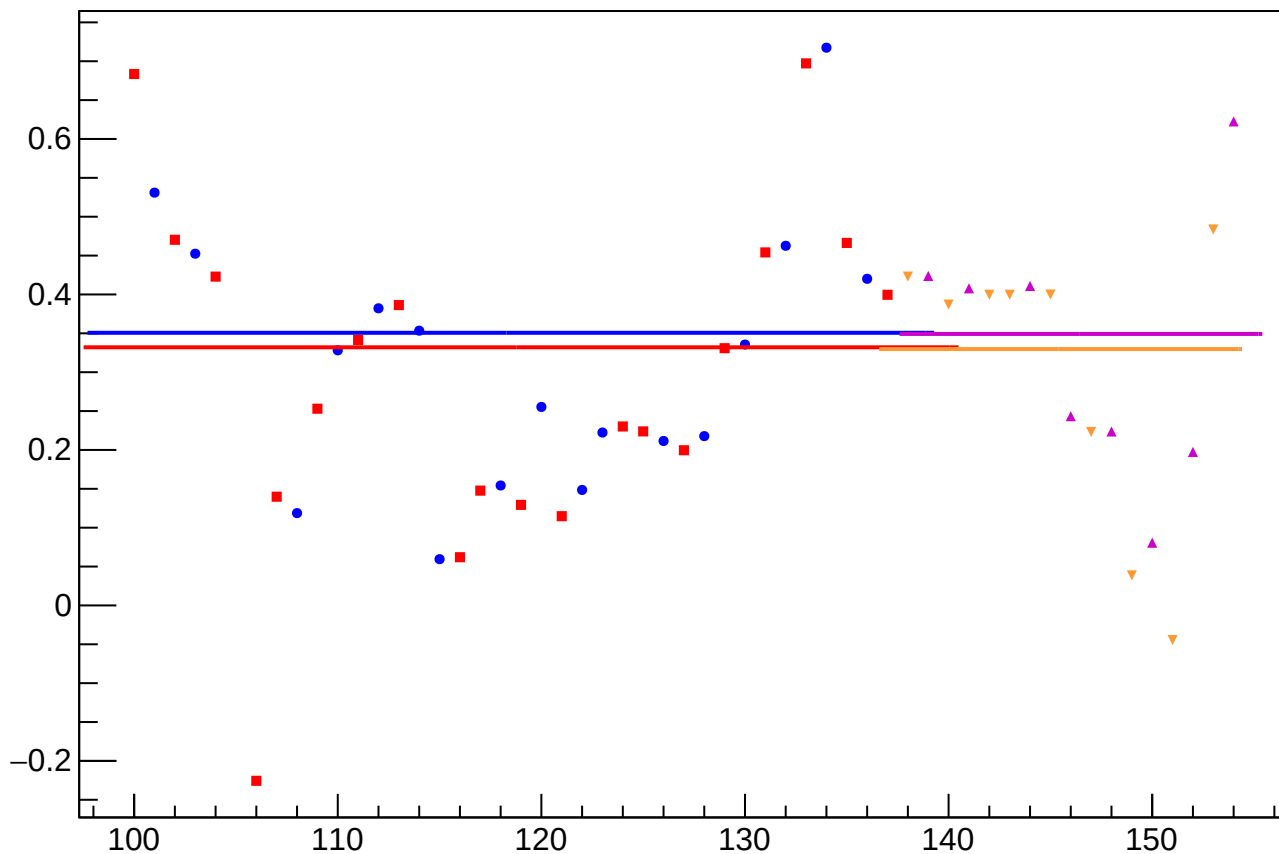
Left In: 0.005+/-0.000 χ^2/NDF : 492543.2/7

0.005+/-0.000 χ^2/NDF : 1076881.2/25

0.005+/-0.000 χ^2/NDF : 2050484.4/53

0.005+/-0.000 χ^2/NDF : 972229.5/27

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.351 $\pm$ 0.000 χ^2/NDF : 7410859446.3/16

Left Out: 0.330 $\pm$ 0.000 χ^2/NDF : 11528154808.8/8

Right Out: 0.332 $\pm$ 0.000 χ^2/NDF : 11800695210.2/19

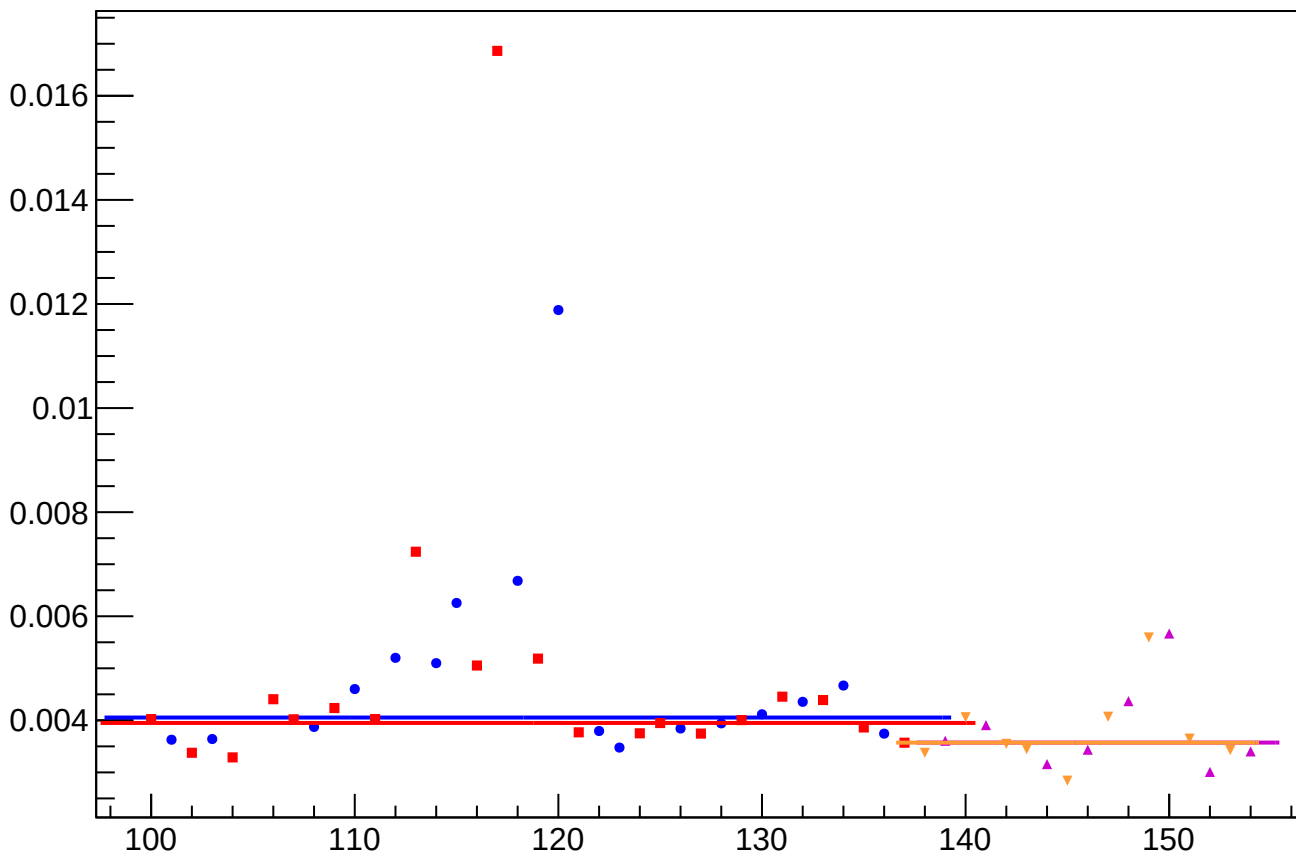
Left In: 0.349 $\pm$ 0.000 χ^2/NDF : 10425198314.8/7

0.339 $\pm$ 0.000 χ^2/NDF : 19022074978.3/25

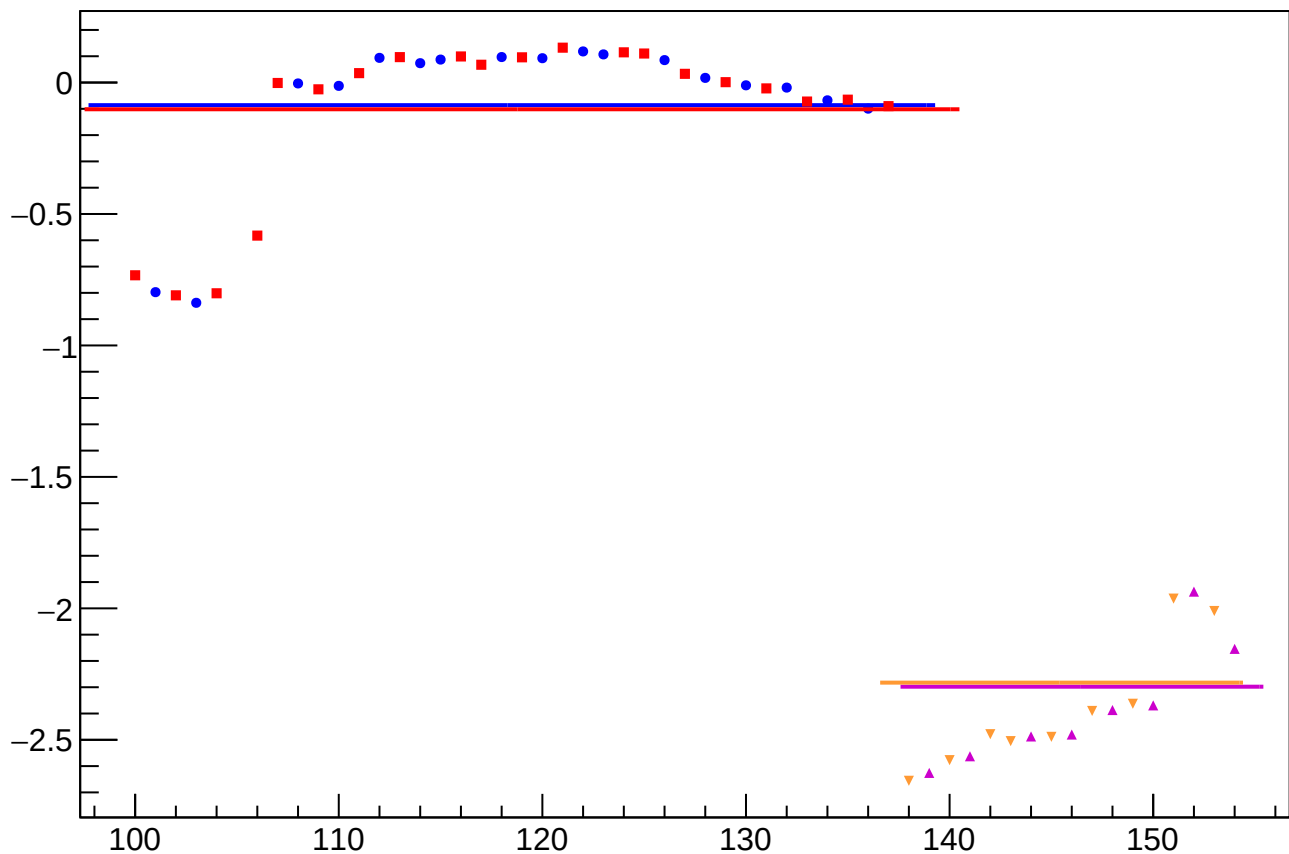
0.340 $\pm$ 0.000 χ^2/NDF : 41309626679.2/5

0.341 $\pm$ 0.000 χ^2/NDF : 22286399258.1/27

yield_bpm0i07Y_rms vs Slug, Sign Corrected



yield_bpm1i02X_mean vs Slug, Sign Corrected



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

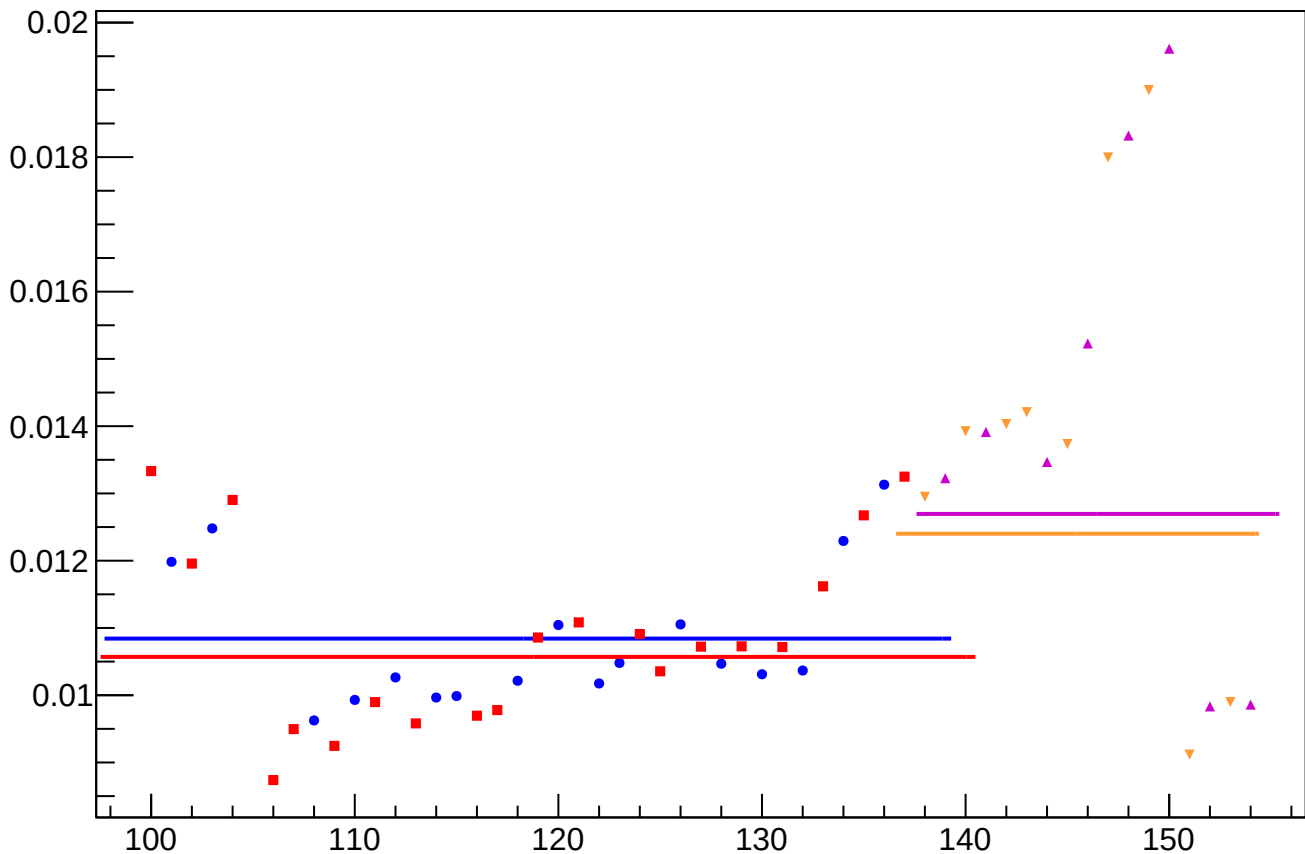
Left In: -2.298+/-0.000 χ^2/NDF : 2324283675.9/7

-0.998+/-0.000 χ^2/NDF : 121067821657.8/25

-0.963+/-0.000 χ^2/NDF : 243934155608.1

-0.929+/-0.000 χ^2/NDF : 122630953198.4/27

yield_bpm1i02X_rms vs Slug, Sign Corrected



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

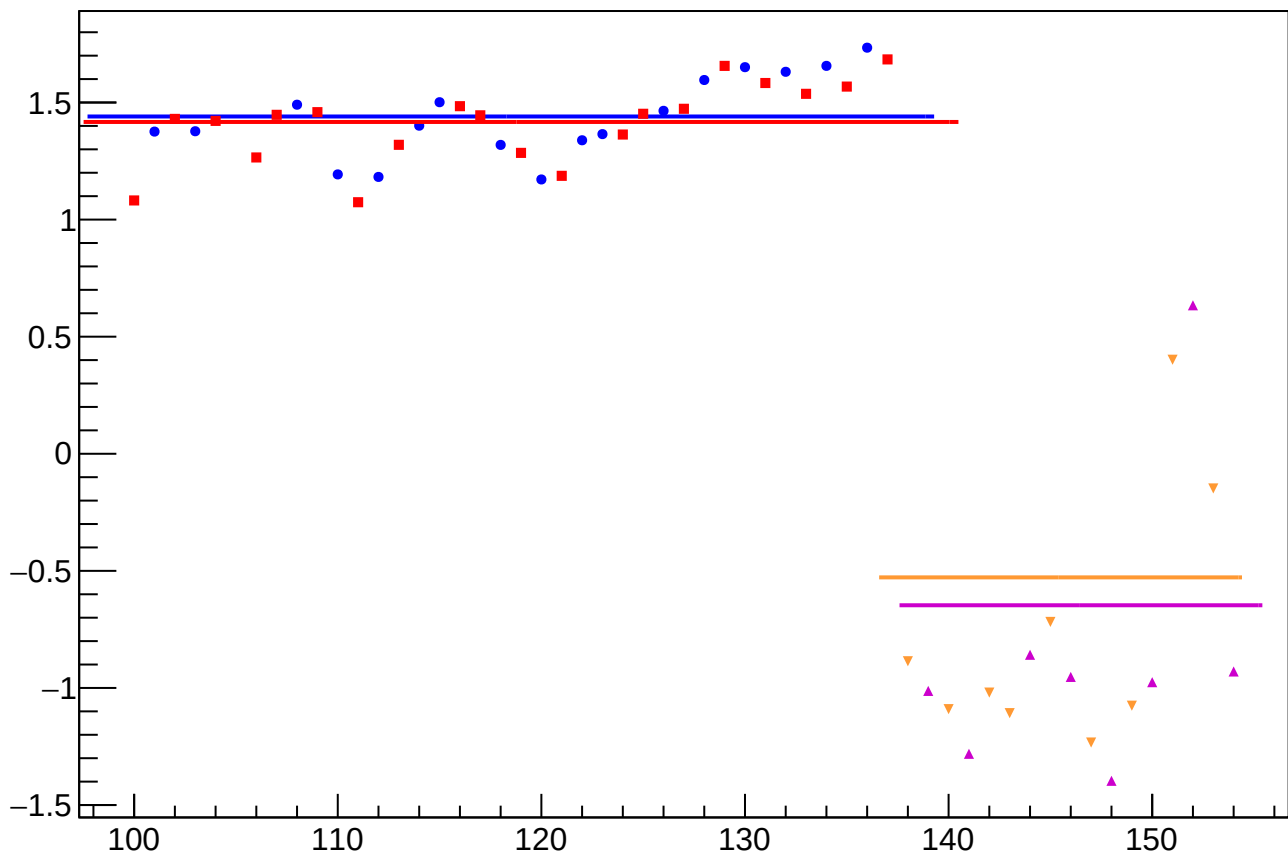
Left In: 0.013+/-0.000 χ^2/NDF : 709216.2/7

0.011+/-0.000 χ^2/NDF : 956070.0/25

0.011+/-0.000 χ^2/NDF : 2061233.8/53

0.011+/-0.000 χ^2/NDF : 1103764.6/27

yield_bpm1i02Y_mean vs Slug, Sign Corrected



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

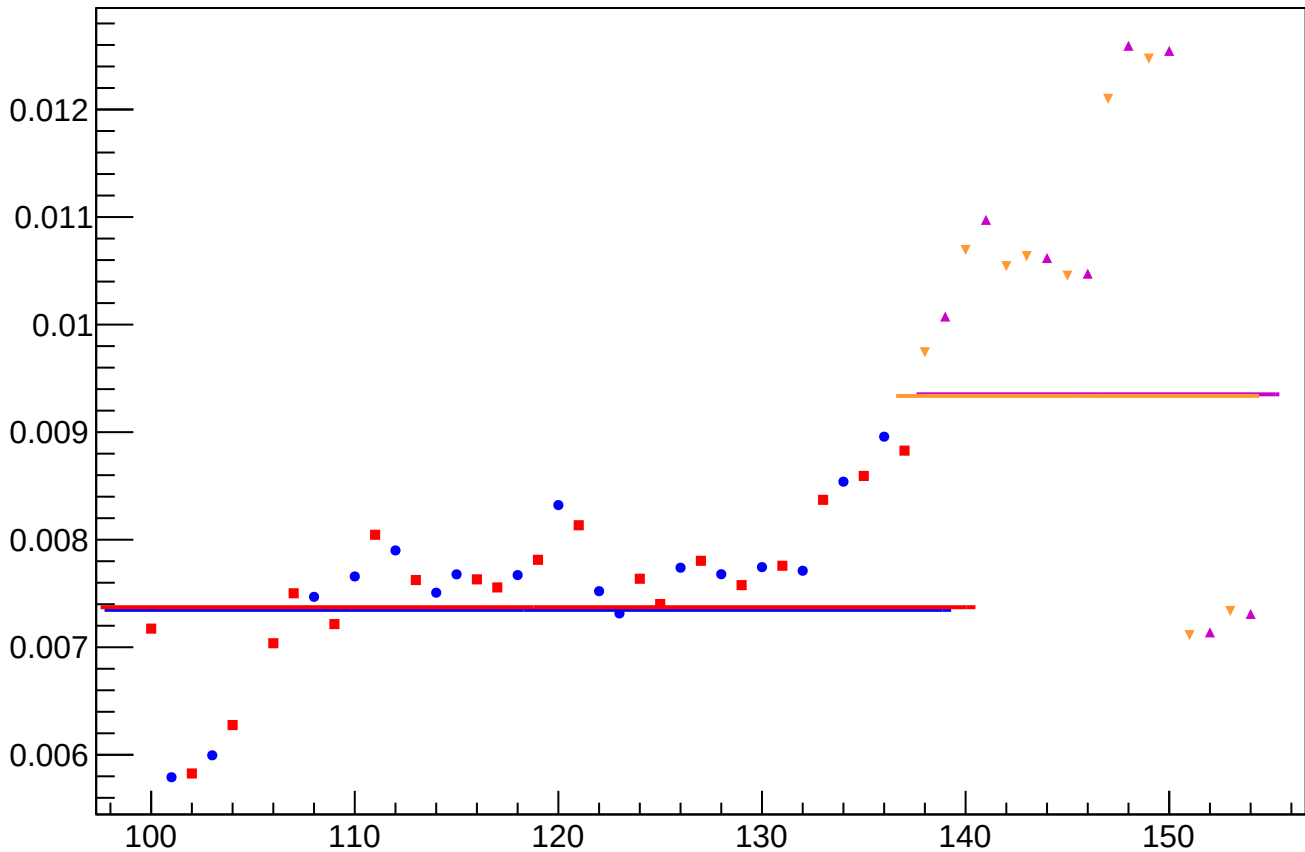
Left In: -0.647 $\pm$ 0.000 χ^2 /NDF: 36030618785.0/7

0.711 $\pm$ 0.000 χ^2 /NDF: 204683911111.5/25

0.698 $\pm$ 0.000 χ^2 /NDF: 439157674697.7/

0.687 $\pm$ 0.000 χ^2 /NDF: 234418369645.4/27

yield_bpm1i02Y_rms vs Slug, Sign Corrected



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

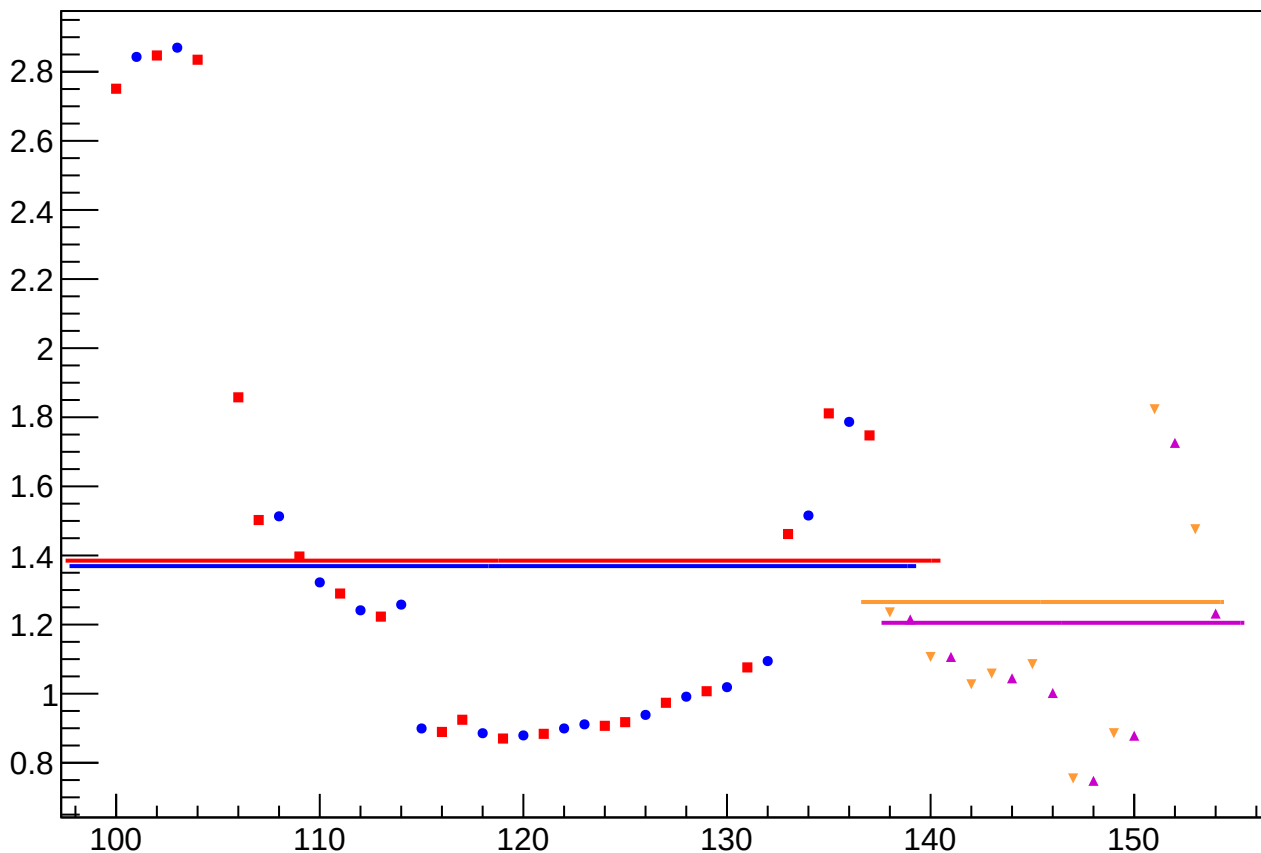
Left In: 0.009+/-0.000 χ^2/NDF : 594781.3/7

0.008+/-0.000 χ^2/NDF : 1115080.3/25

0.008+/-0.000 χ^2/NDF : 2242700.3/53

0.008+/-0.000 χ^2/NDF : 1127588.0/27

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.369+/-0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.265+/-0.000 χ^2/NDF : 8697653129.1/8

Right Out: 1.385+/-0.000 χ^2/NDF : 50114562617.6/19

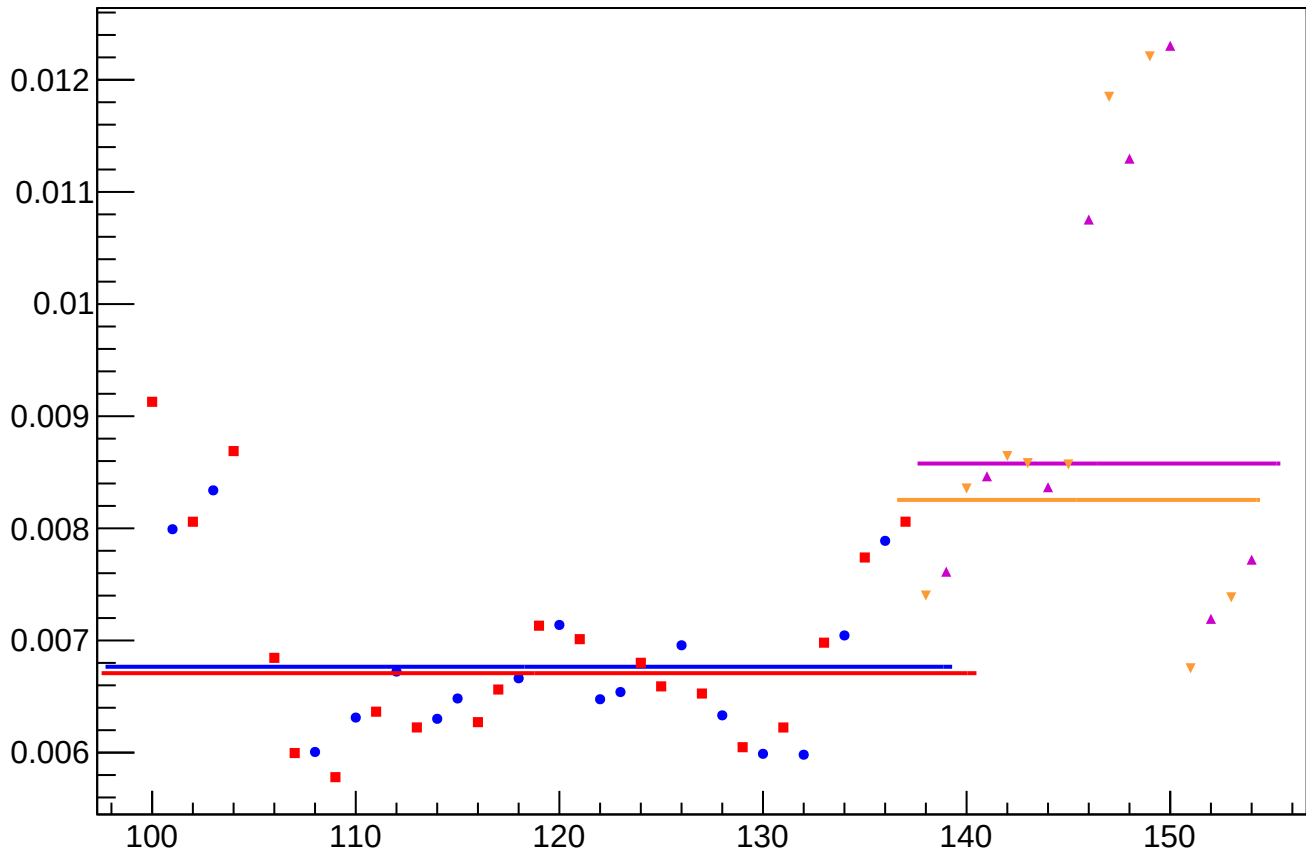
Left In: 1.205+/-0.000 χ^2/NDF : 6800344875.7/7

1.330+/-0.000 χ^2/NDF : 63494561077.9/25

1.326+/-0.000 χ^2/NDF : 122164073677.0/25

1.323+/-0.000 χ^2/NDF : 58664021747.5/27

yield_bpm1i04X_rms vs Slug, Sign Corrected



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

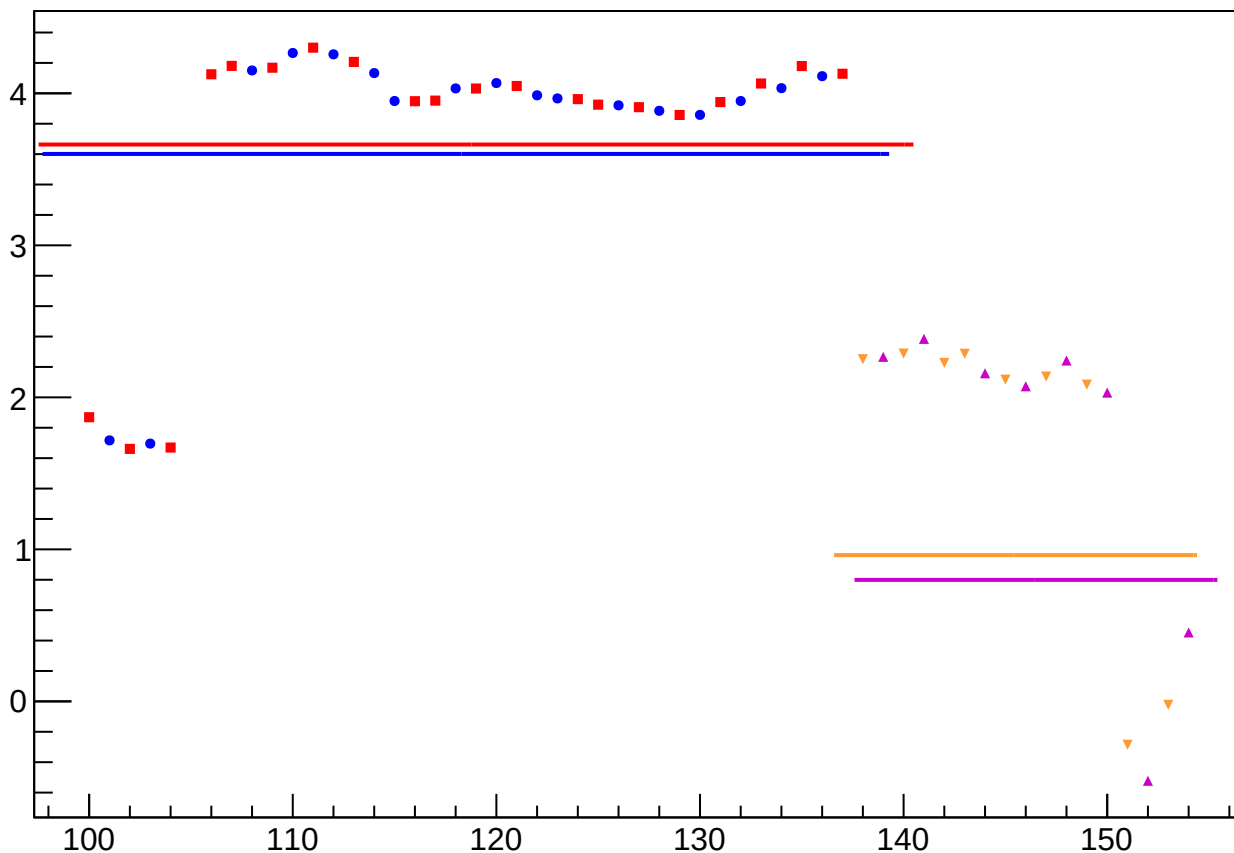
Left In: 0.009+/-0.000 χ^2/NDF : 397105.3/7

0.007+/-0.000 χ^2/NDF : 800728.0/25

0.007+/-0.000 χ^2/NDF : 1763522.9/53

0.007+/-0.000 χ^2/NDF : 962664.0/27

yield_bpm1i04Y_mean vs Slug, Sign Corrected



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

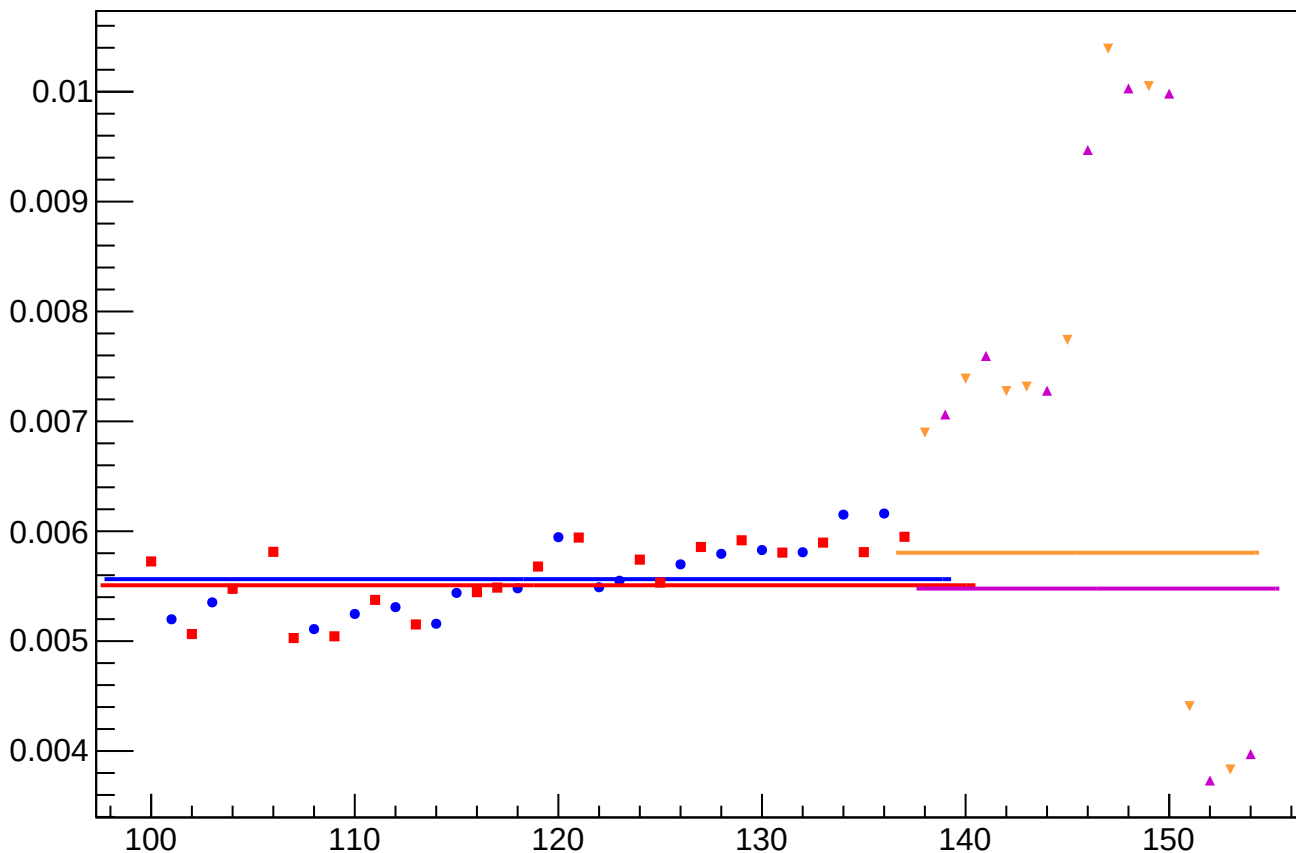
Right Out: 3.663+/-0.000 χ^2/NDF : 192640409625.9/19

2.446+/-0.000 χ^2/NDF : 2305424762284.2

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, Sign Corrected



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

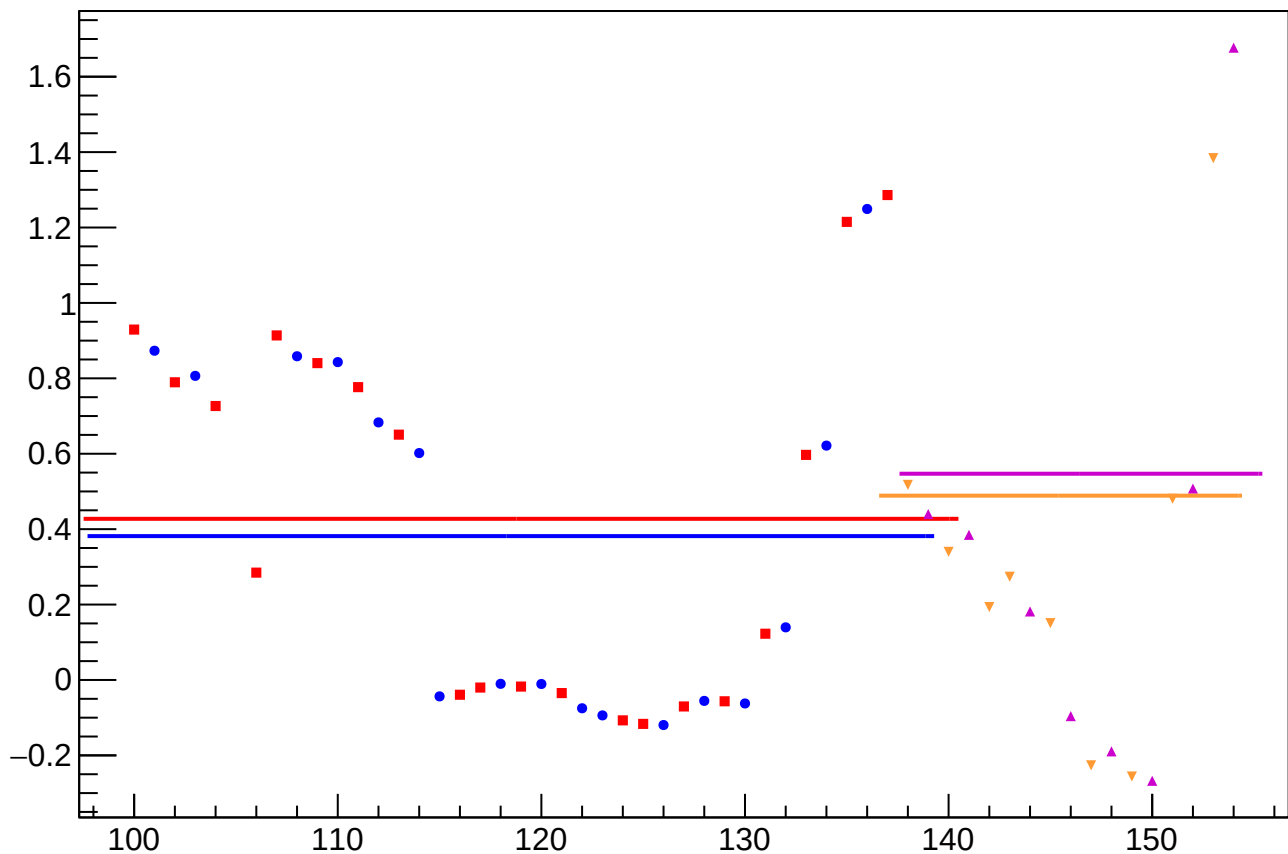
Left In: 0.005+/-0.000 χ^2/NDF :1753090.1/7

0.006+/-0.000 χ^2/NDF : 1411706.5/25

0.006+/-0.000 χ^2/NDF : 3229160.8/53

0.005+/-0.000 χ^2/NDF : 1805910.2/27

yield_bpm1i06X_mean vs Slug, Sign Corrected



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

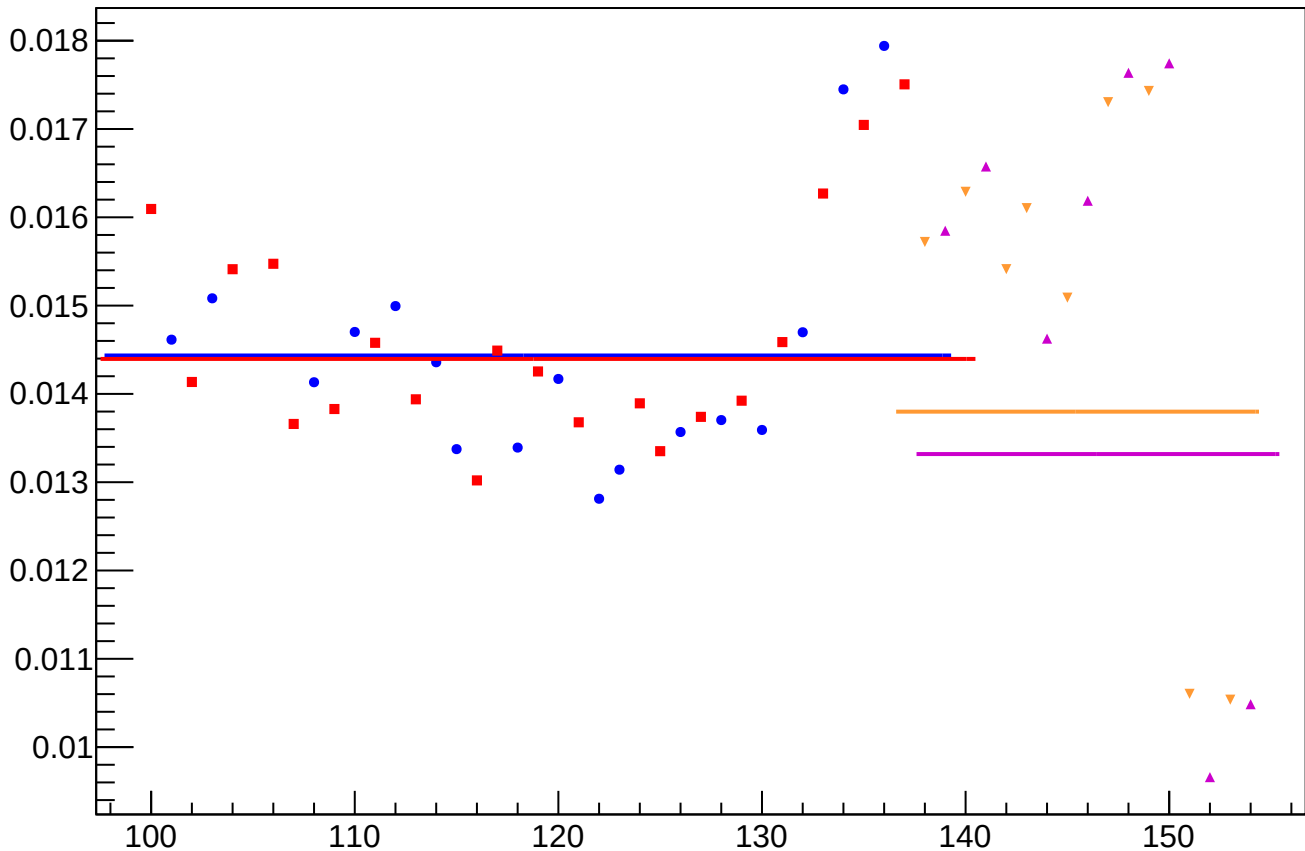
Left In: 0.547+/-0.000 χ^2/NDF : 14800808505.2/7

0.436+/-0.000 χ^2/NDF : 16504139545.8/25

0.463+/-0.000 χ^2/NDF : 38354439215.2/5

0.488+/-0.000 χ^2/NDF : 21760799798.7/27

yield_bpm1i06X_rms vs Slug, Sign Corrected



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

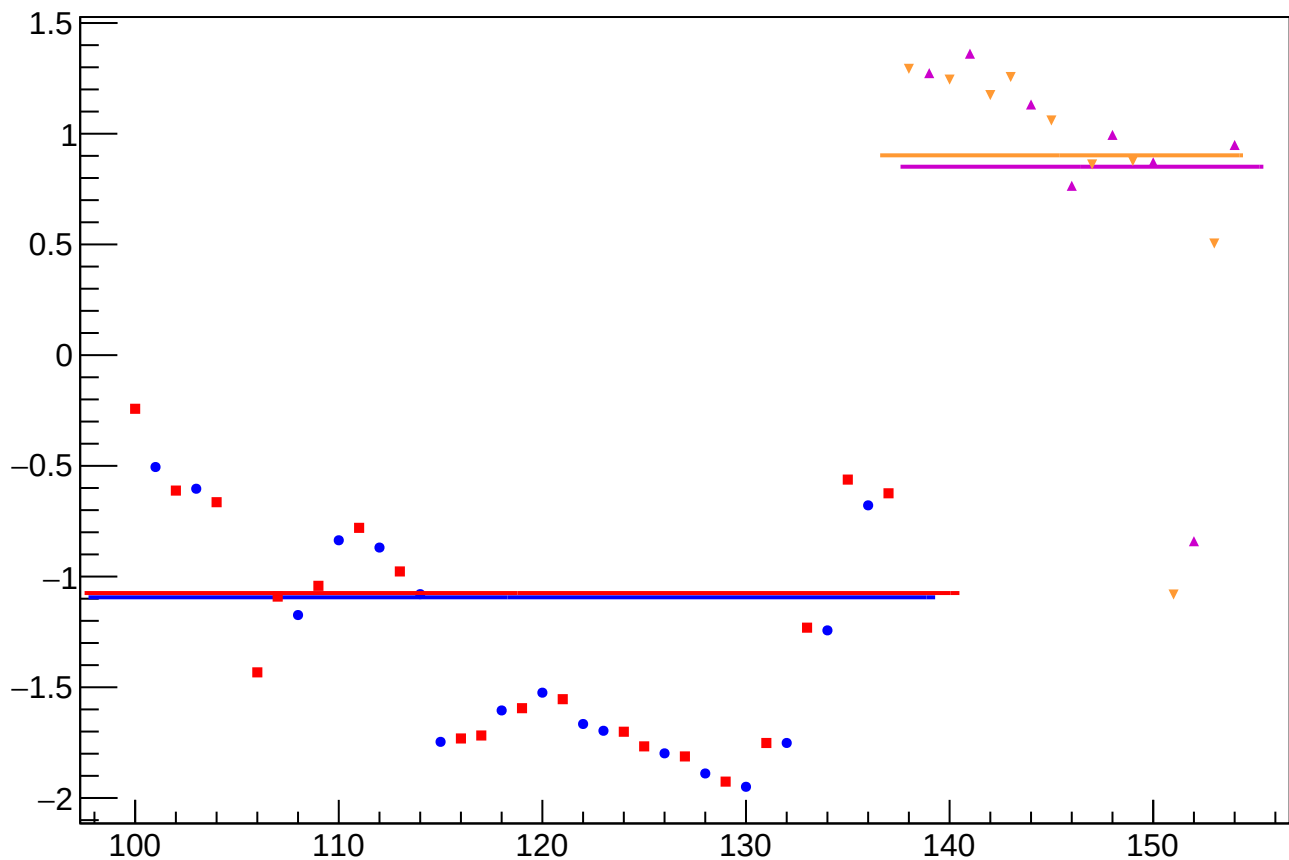
Left In: 0.013+/-0.000 χ^2/NDF : 720662.9/7

0.014+/-0.000 χ^2/NDF : 648157.6/25

0.014+/-0.000 χ^2/NDF : 1487387.1/53

0.014+/-0.000 χ^2/NDF : 834710.5/27

yield_bpm1i06Y_mean vs Slug, Sign Corrected



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

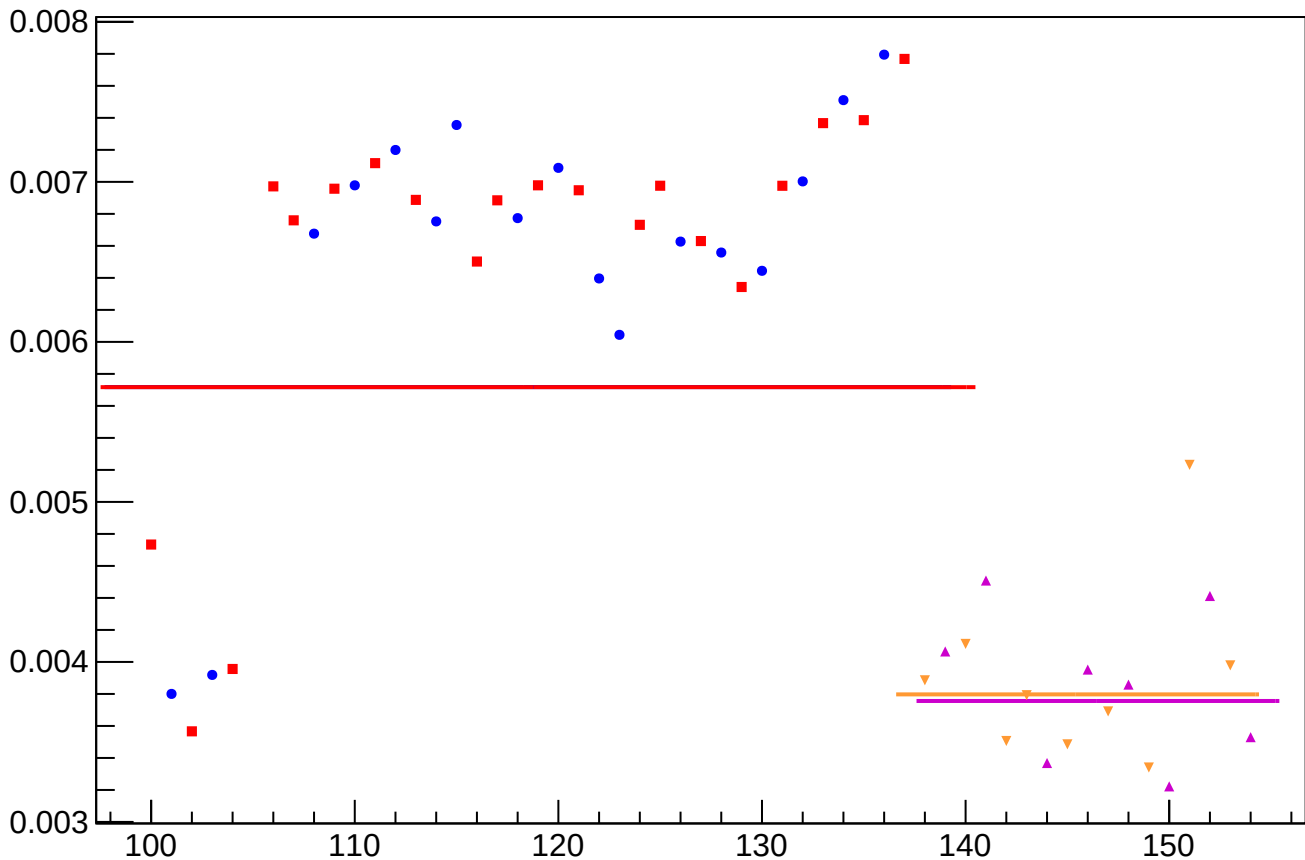
Left In: 0.851+/-0.000 χ^2/NDF : 138440350291.5/7

0.275+/-0.000 χ^2/NDF : 668418528456.2/25

0.256+/-0.000 χ^2/NDF : 1333241946648.1

0.237+/-0.000 χ^2/NDF : 664393570718.8/27

yield_bpm1i06Y_rms vs Slug, Sign Corrected



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

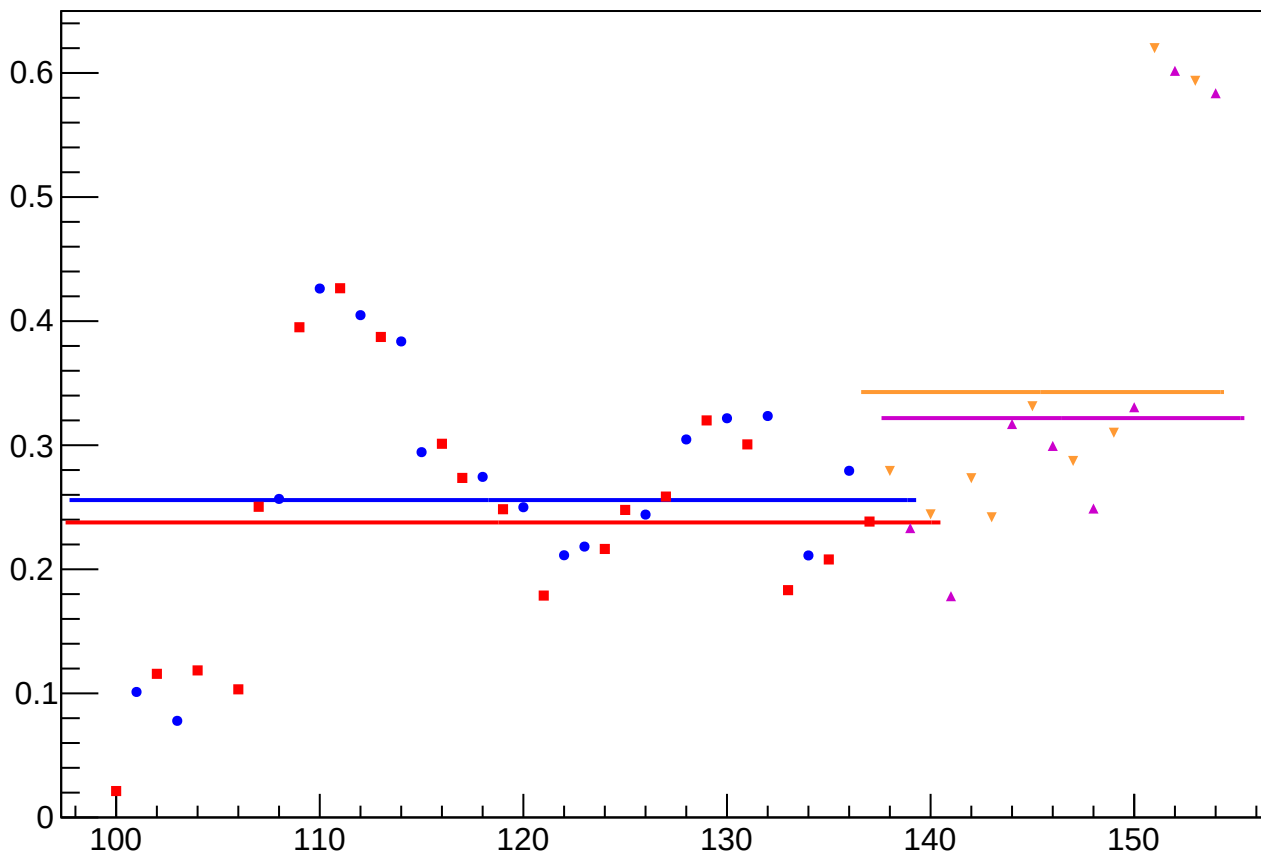
Left In: 0.004+/-0.000 χ^2/NDF :158157.4/7

0.004+/-0.000 χ^2/NDF : 1902491.0/25

0.004+/-0.000 χ^2/NDF : 3980130.3/53

0.004+/-0.000 χ^2/NDF : 2077425.0/27

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.256+/-0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.343+/-0.000 χ^2/NDF : 37134038325.6/8

Right Out: 0.238+/-0.000 χ^2/NDF : 26077768189.7/19

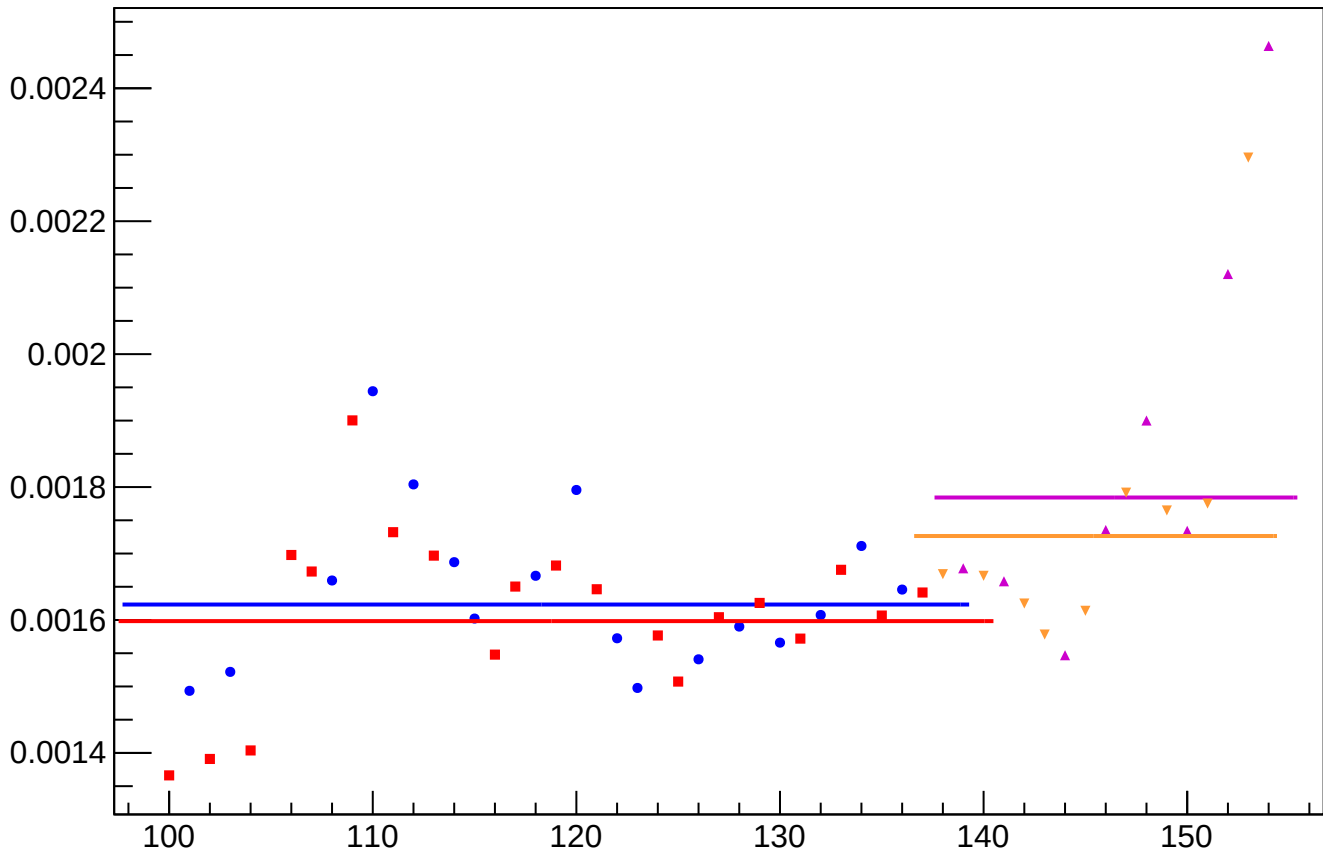
Left In: 0.322+/-0.000 χ^2/NDF : 32647143133.1/7

0.297+/-0.000 χ^2/NDF : 67183854014.1/25

0.285+/-0.000 χ^2/NDF : 135307870841.8/27

0.273+/-0.000 χ^2/NDF : 66819104950.1/27

yield_bpm2i01X_rms vs Slug, Sign Corrected



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

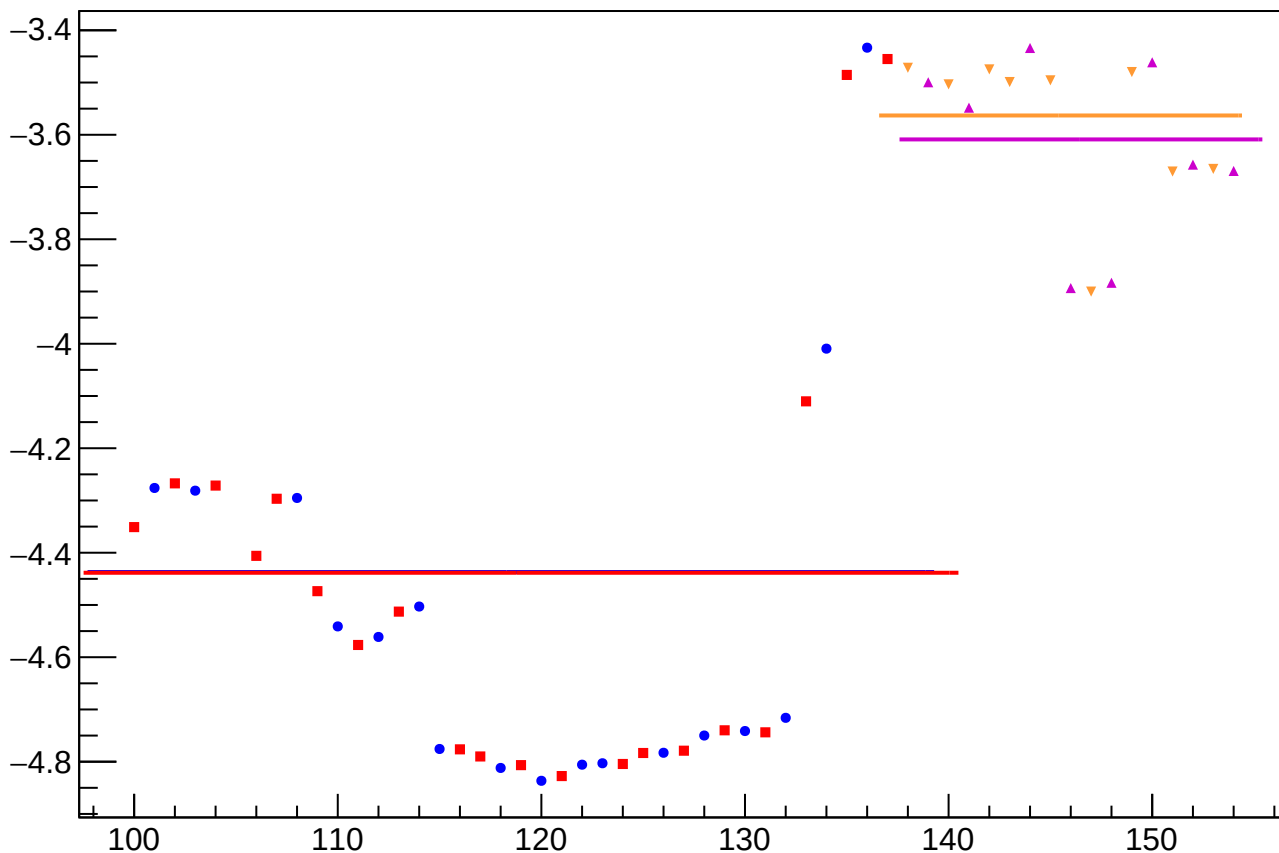
Left In: 0.002+/-0.000 χ^2/NDF :229284.6/7

0.002+/-0.000 χ^2/NDF : 202059.3/25

0.002+/-0.000 χ^2/NDF : 601349.5/53

0.002+/-0.000 χ^2/NDF : 399198.2/27

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.437+/-0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.563+/-0.000 χ^2/NDF : 25541431993.3/8

-4.050+/-0.000 χ^2/NDF : 1094461296627.9/25

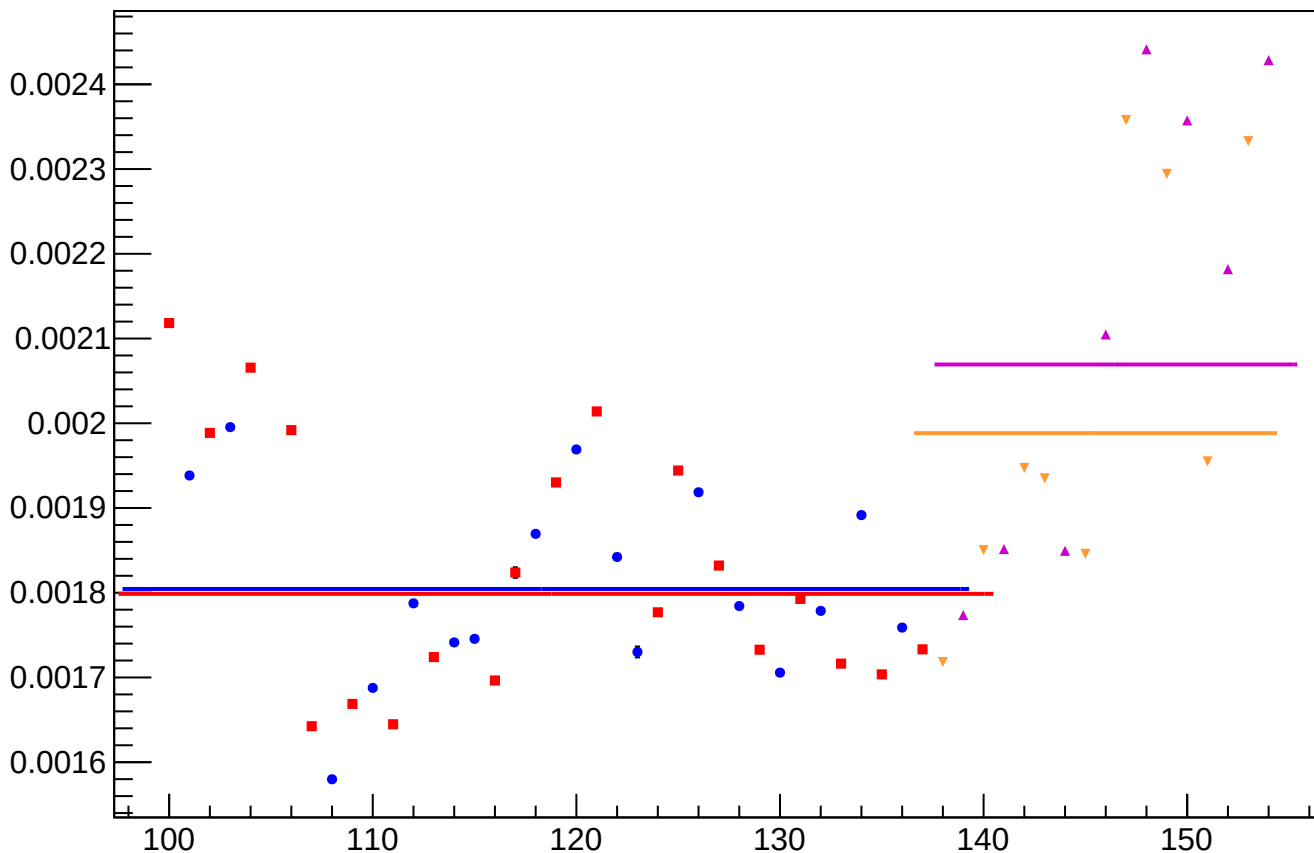
Right Out: -4.438+/-0.000 χ^2/NDF : 326800745779.7/19

-4.075+/-0.000 χ^2/NDF : 2063416108440.0/19

Left In: -3.609+/-0.000 χ^2/NDF : 39283840649.4/7

-4.101+/-0.000 χ^2/NDF : 964273707804.1/27

yield_bpm2i01Y_rms vs Slug, Sign Corrected



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

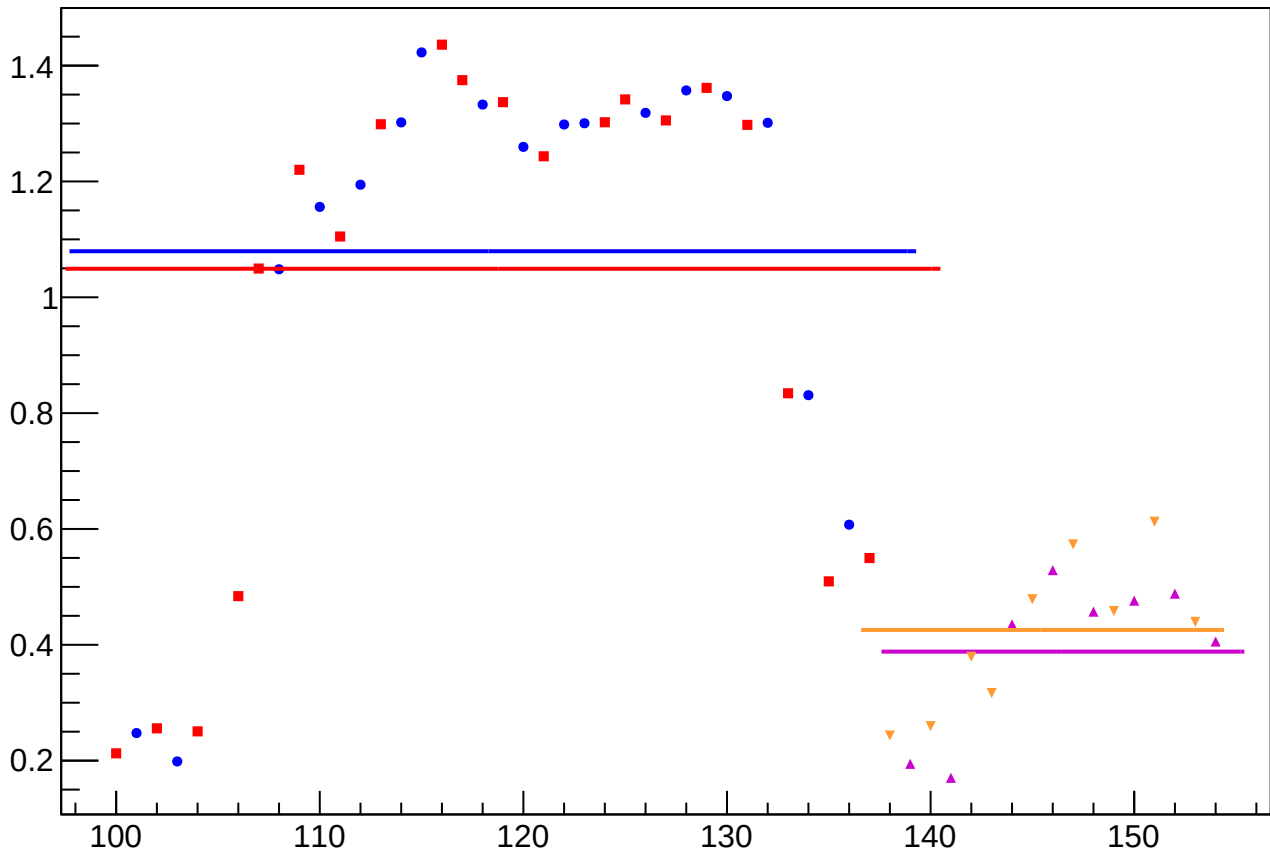
Left In: 0.002+/-0.000 χ^2/NDF :186419.2/7

0.002+/-0.000 χ^2/NDF : 261248.7/25

0.002+/-0.000 χ^2/NDF : 657990.1/53

0.002+/-0.000 χ^2/NDF : 394856.8/27

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 1.080 $\pm$ 0.000 χ^2 /NDF: 17533321220.5/16

Left Out: 0.426 $\pm$ 0.000 χ^2 /NDF:1121562554.3/8

Right Out: 1.049 $\pm$ 0.000 χ^2 /NDF: 19787986428.4/19

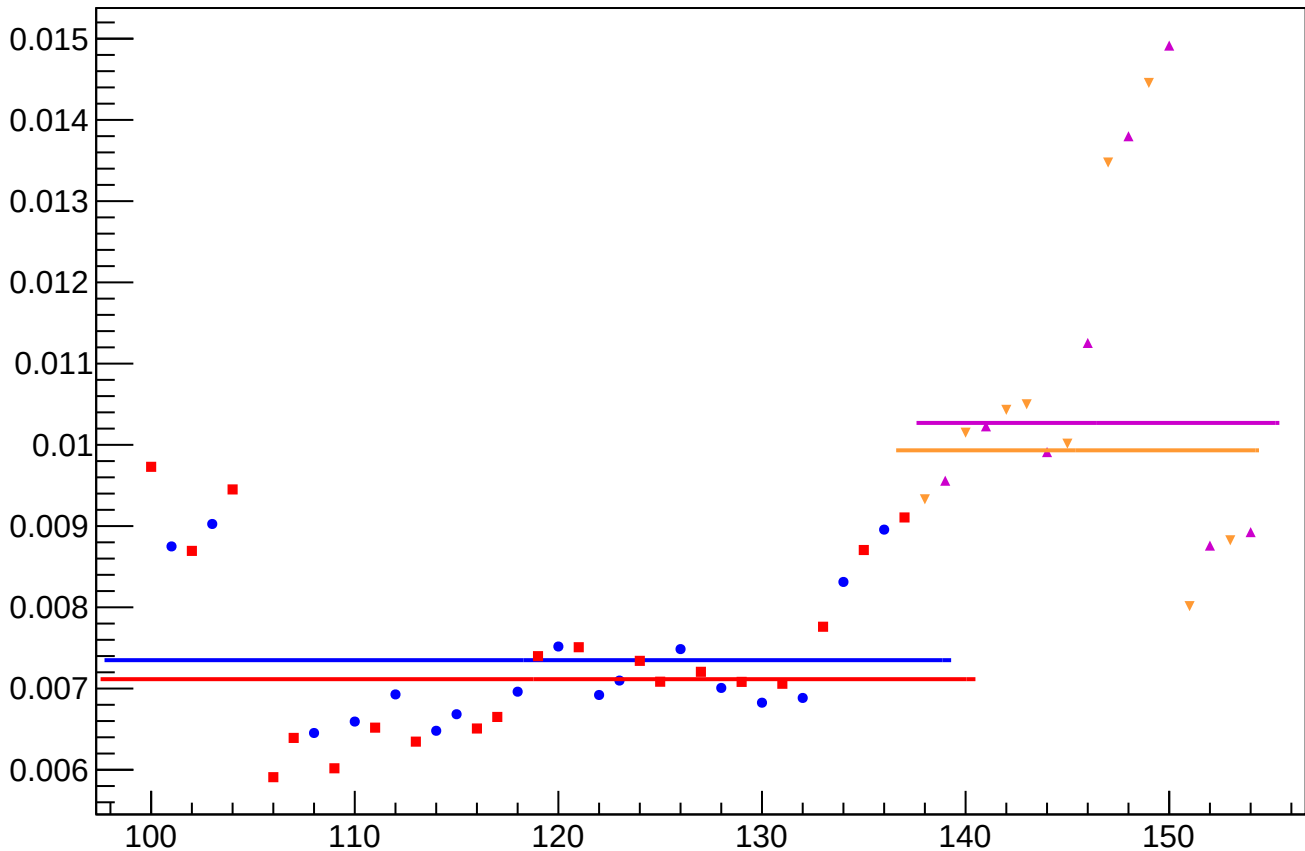
Left In: 0.388 $\pm$ 0.000 χ^2 /NDF:966091221.8/7

0.854 $\pm$ 0.000 χ^2 /NDF: 36655885346.3/25

0.852 $\pm$ 0.000 χ^2 /NDF: 75673586659.1/5

0.850 $\pm$ 0.000 χ^2 /NDF: 39015799952.9/27

yield_bpm2i02X_rms vs Slug, Sign Corrected



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

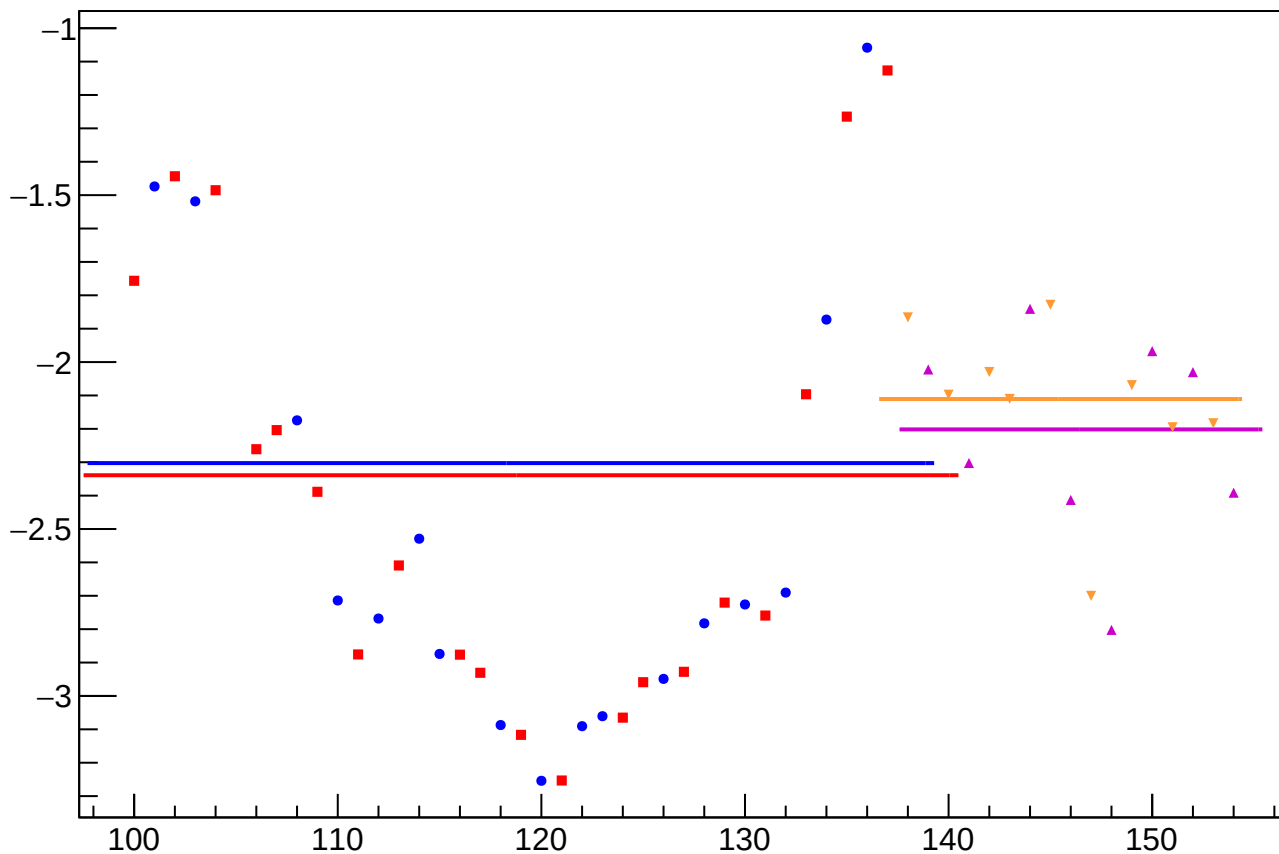
Left In: 0.010+/-0.000 χ^2/NDF : 380805.2/7

0.008+/-0.000 χ^2/NDF : 1135430.6/25

0.008+/-0.000 χ^2/NDF : 2613253.5/53

0.008+/-0.000 χ^2/NDF : 1472119.0/27

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.303+/-0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.111+/-0.000 χ^2/NDF : 3844052738.9/8

Right Out: -2.339+/-0.000 χ^2/NDF : 64804828308.5/19

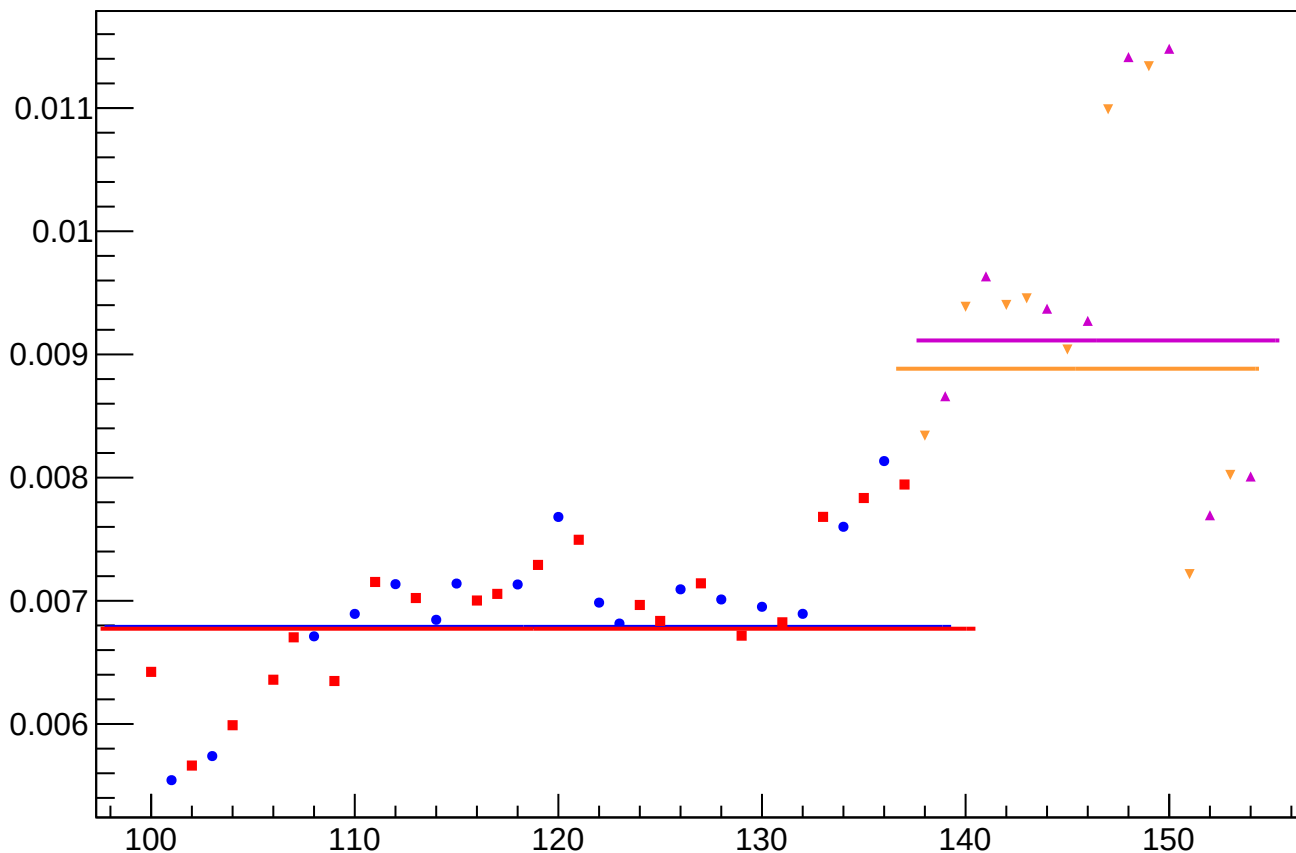
Left In: -2.202+/-0.000 χ^2/NDF : 5536669247.1/7

-2.233+/-0.000 χ^2/NDF : 79515910436.5/25

-2.264+/-0.000 χ^2/NDF : 151238369523.8

-2.293+/-0.000 χ^2/NDF : 71310914783.8/27

yield_bpm2i02Y_rms vs Slug, Sign Corrected



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

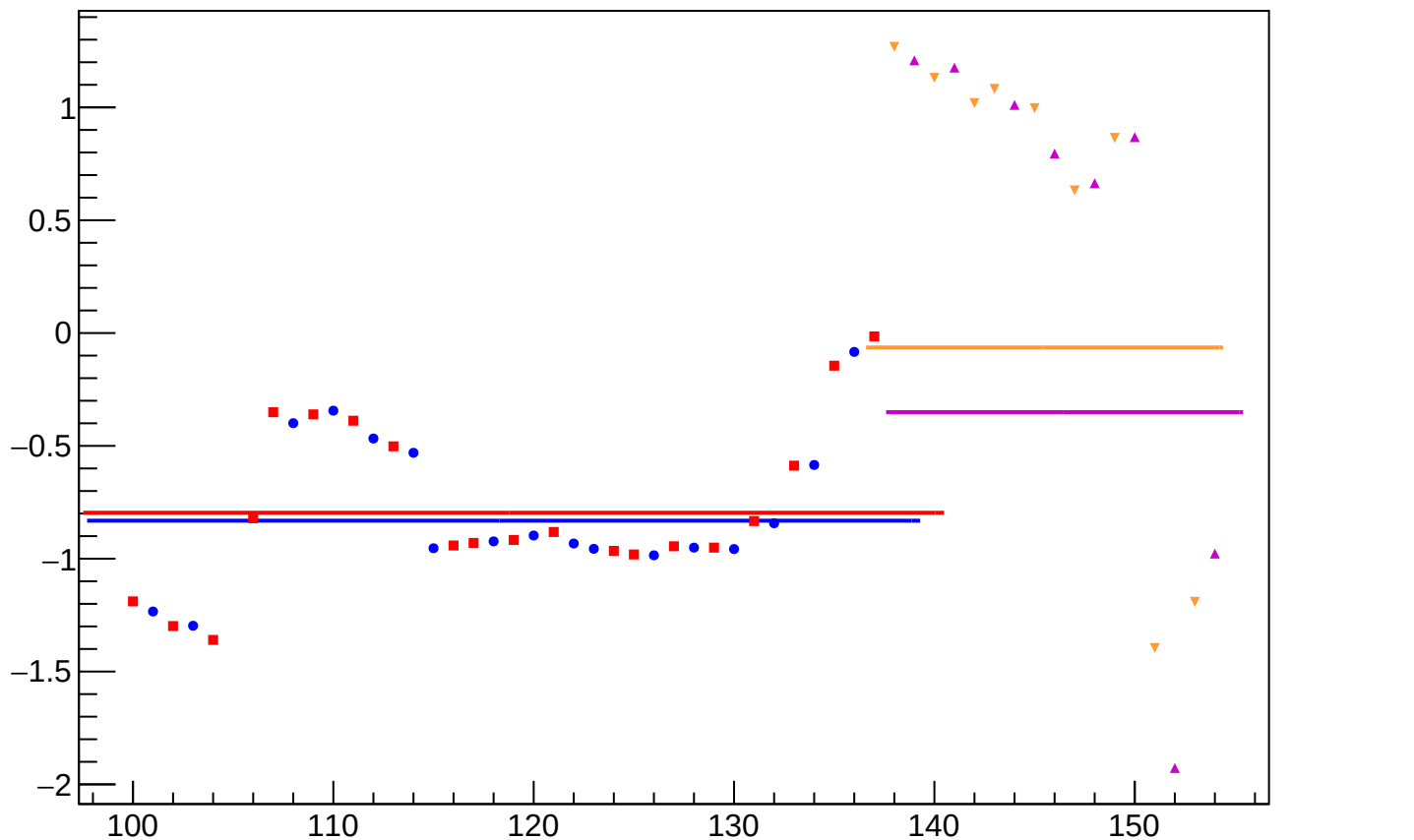
Left In: 0.009+/-0.000 χ^2/NDF : 237184.8/7

0.008+/-0.000 χ^2/NDF : 876282.1/25

0.008+/-0.000 χ^2/NDF : 1800458.0/53

0.008+/-0.000 χ^2/NDF : 924166.7/27

yield_bpm0i01X_mean vs Slug, Sign Corrected



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

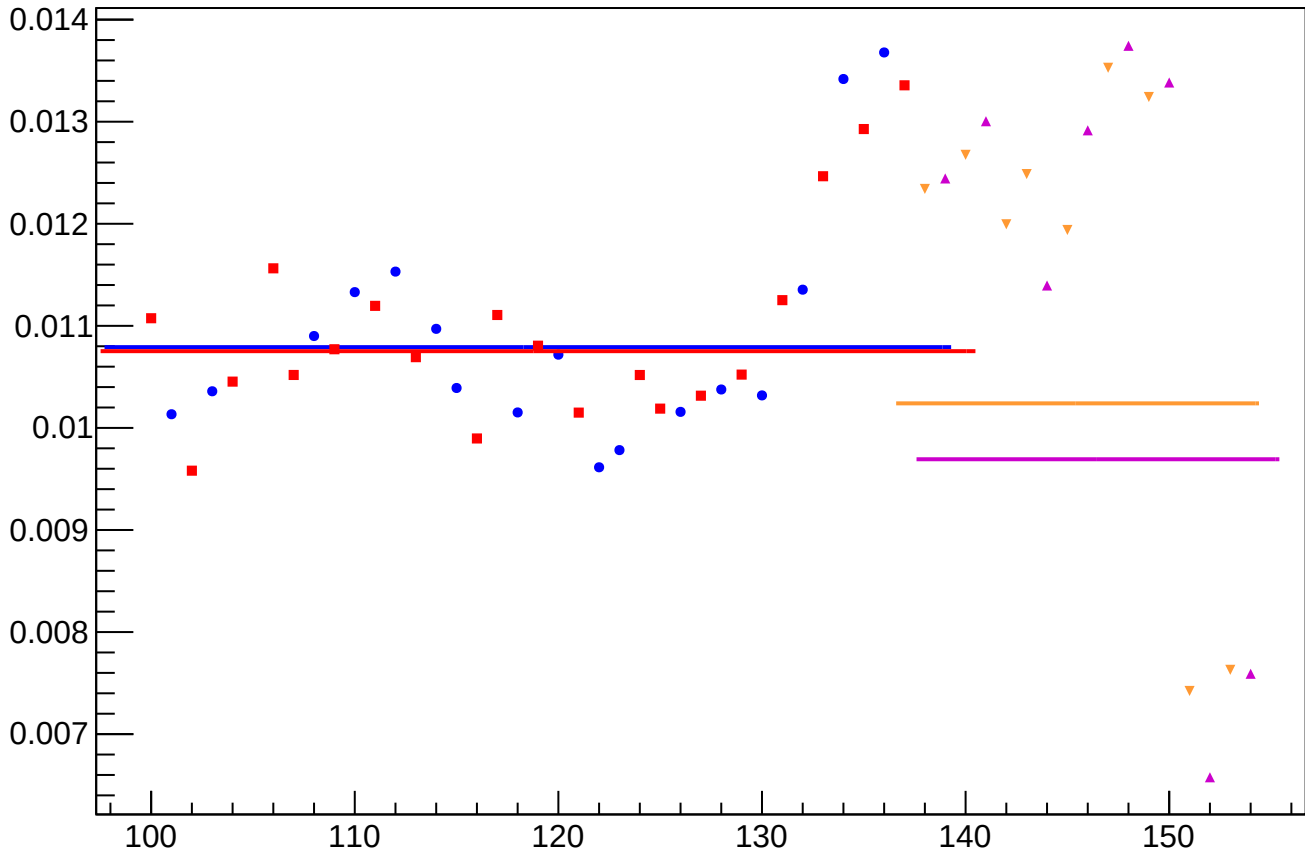
Left In: -0.350 ± 0.000 χ^2/NDF : 103488899941.0/7

-0.445 ± 0.000 χ^2/NDF : 100088766250.2/25

-0.509 ± 0.000 χ^2/NDF : 218391531884.1

-0.569 ± 0.000 χ^2/NDF : 117391695762.4/27

yield_bpm0i01X_rms vs Slug, Sign Corrected



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

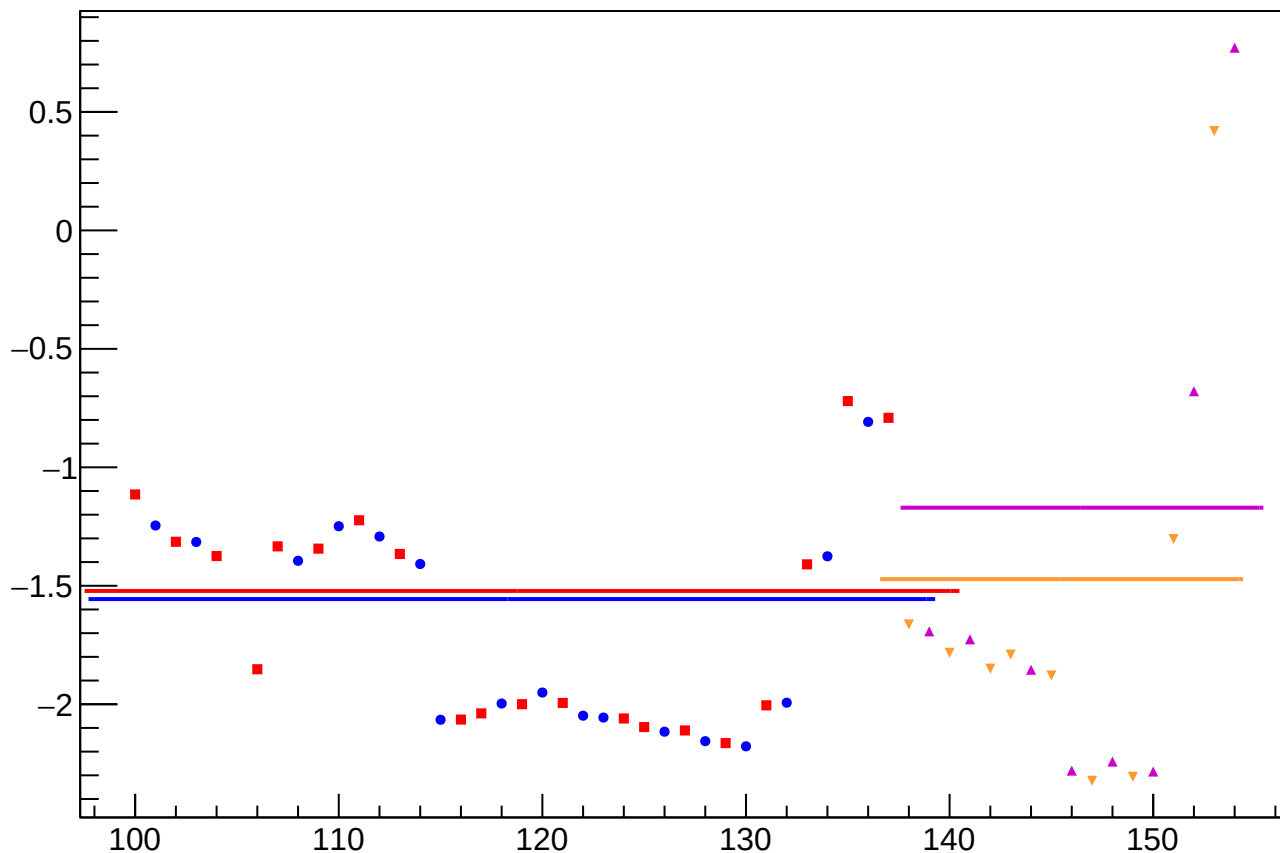
Left In: 0.010+/-0.000 χ^2/NDF : 1060748.4/7

0.011+/-0.000 χ^2/NDF : 896671.9/25

0.010+/-0.000 χ^2/NDF : 2126998.3/53

0.010+/-0.000 χ^2/NDF : 1219612.0/27

yield_bpm0i01Y_mean vs Slug, Sign Corrected



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

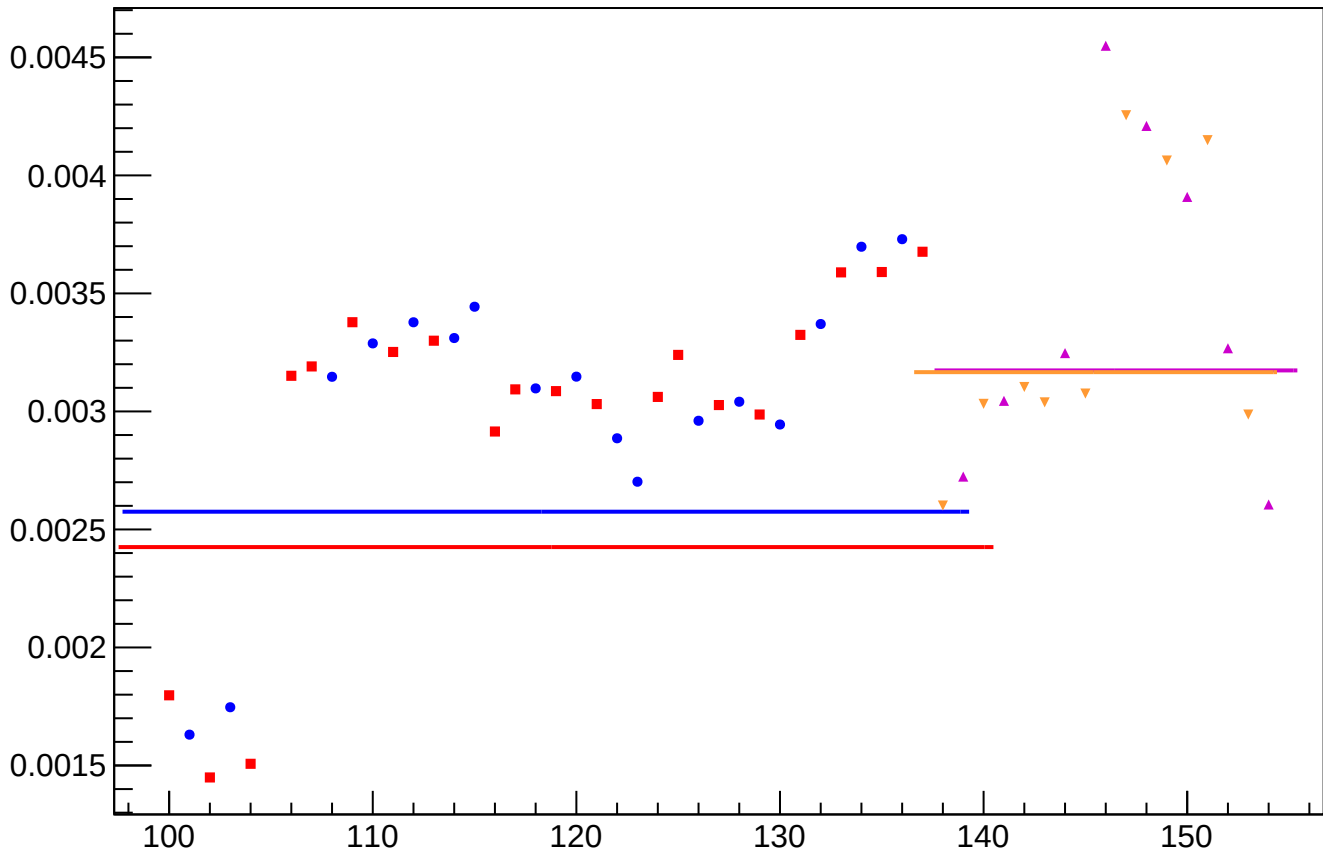
Left In: -1.170+/-0.000 χ^2/NDF : 665044446860.3/7

-1.523+/-0.000 χ^2/NDF : 547488183789.4/25

-1.457+/-0.000 χ^2/NDF : 1406592269399.4/25

-1.396+/-0.000 χ^2/NDF : 847324162986.0/27

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003 $\pm$ 0.000 χ^2/NDF : 1013833.9/16

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF : 280625.8/8

Right Out: 0.002 $\pm$ 0.000 χ^2/NDF : 1493210.7/19

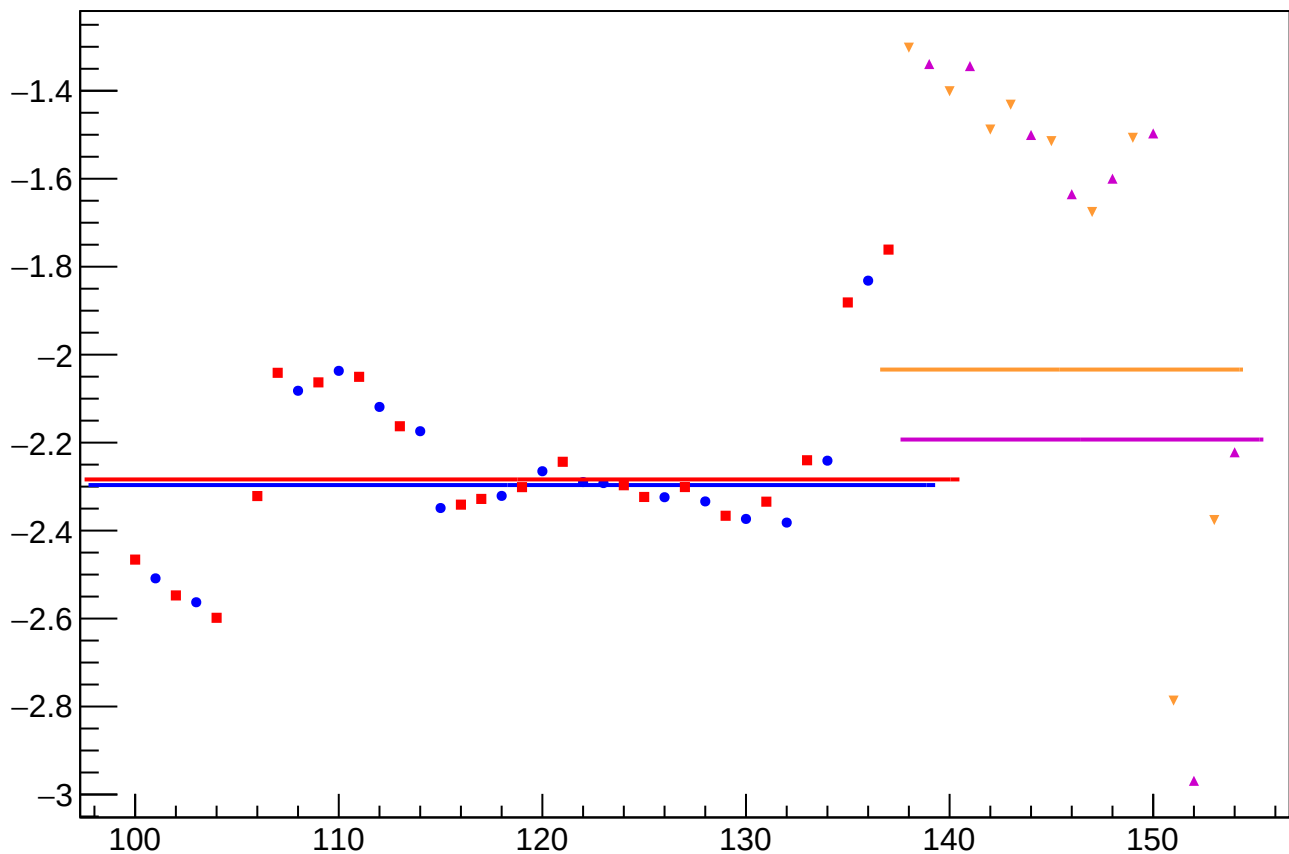
Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 332415.6/7

0.003 $\pm$ 0.000 χ^2/NDF : 1527724.5/25

0.003 $\pm$ 0.000 χ^2/NDF : 3761093.1/53

0.003 $\pm$ 0.000 χ^2/NDF : 2214872.9/27

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.296 $\pm$ 0.000 χ^2 /NDF: 5782980938.4/16

Left Out: -2.034 $\pm$ 0.000 χ^2 /NDF: 43322262813.4/8

Right Out: -2.284 $\pm$ 0.000 χ^2 /NDF: 6550363990.6/19

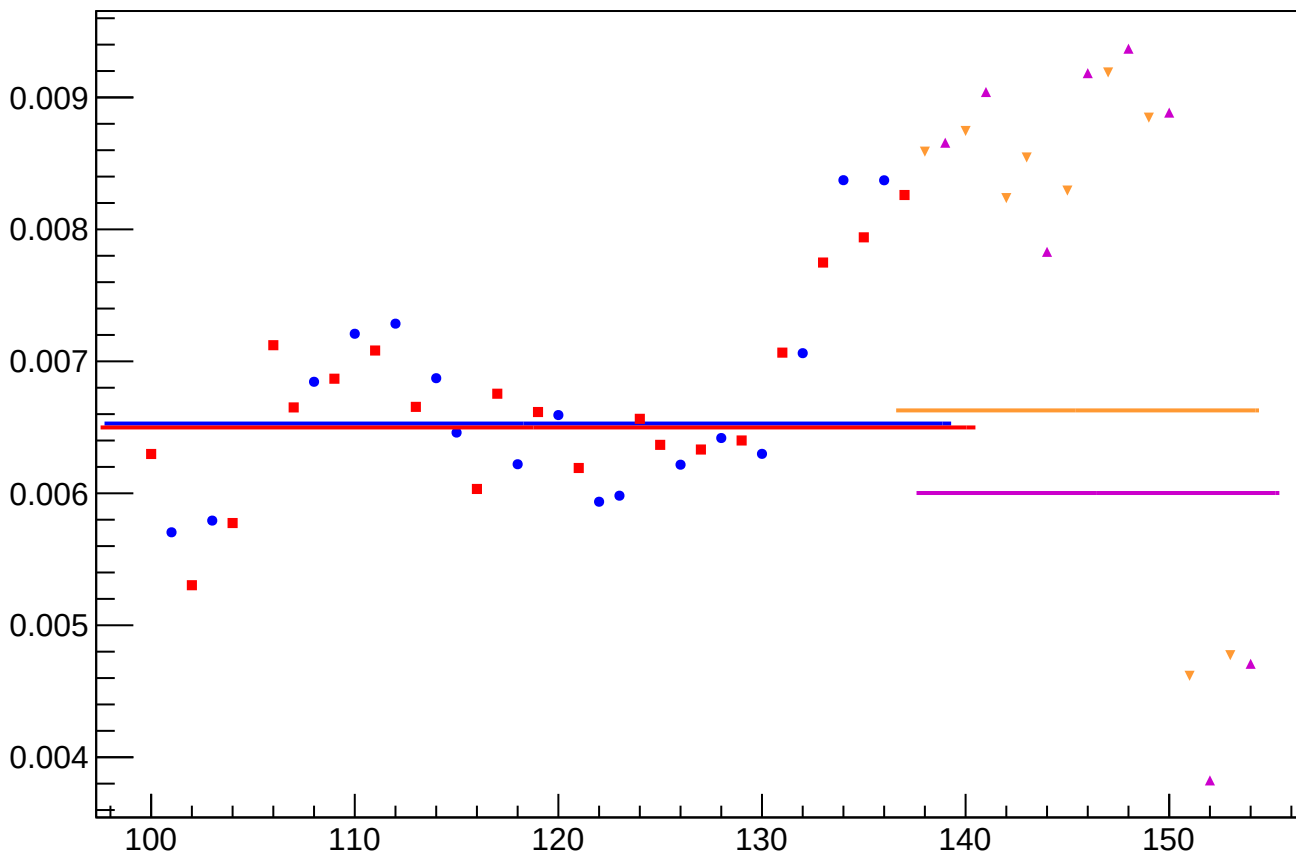
Left In: -2.193 $\pm$ 0.000 χ^2 /NDF: 63572182109.9/7

-2.175 $\pm$ 0.000 χ^2 /NDF: 53942348809.3/25

-2.209 $\pm$ 0.000 χ^2 /NDF: 125329684640.2

-2.240 $\pm$ 0.000 χ^2 /NDF: 70765246205.9/27

yield_bpm0i01aX_rms vs Slug, Sign Corrected



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

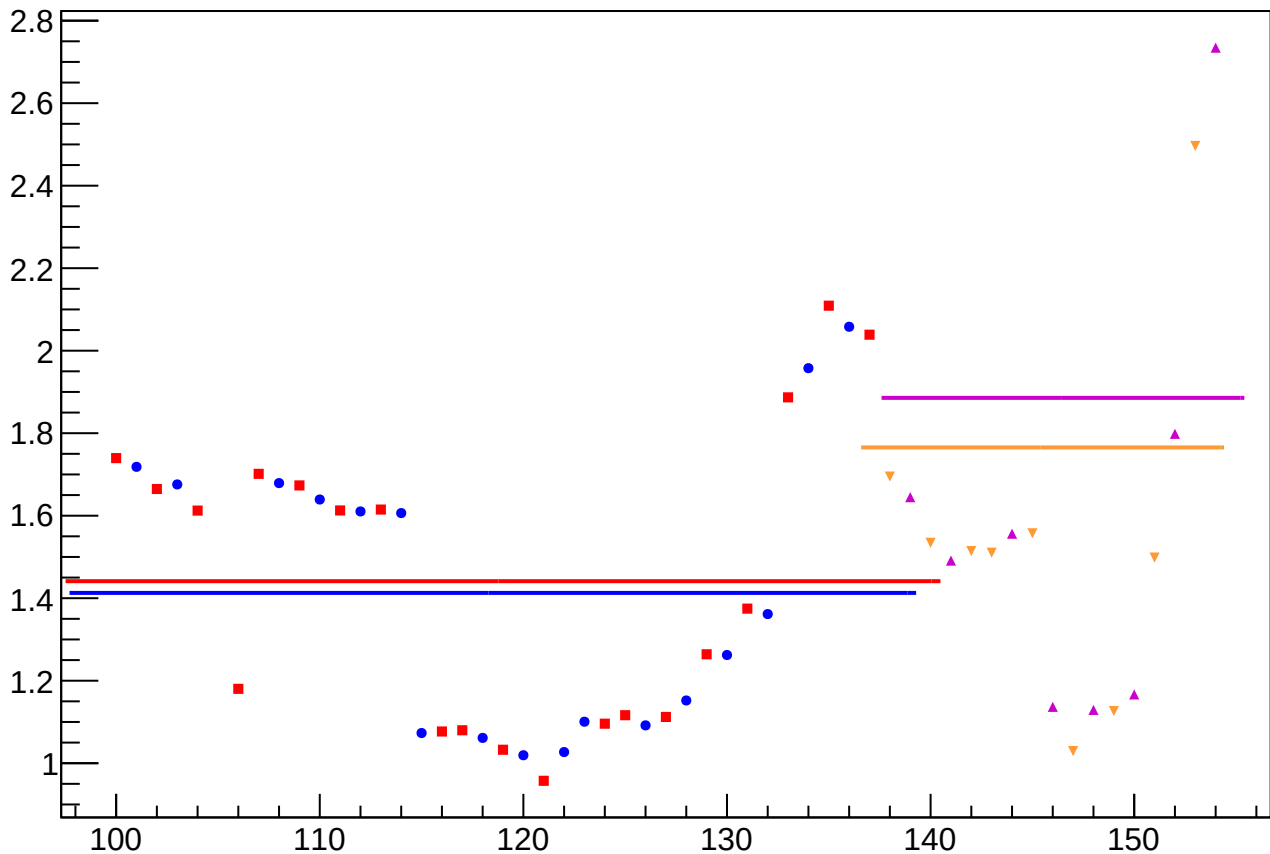
Left In: 0.006+/-0.000 χ^2/NDF : 1579649.5/7

0.007+/-0.000 χ^2/NDF : 1205007.4/25

0.006+/-0.000 χ^2/NDF : 3017099.2/53

0.006+/-0.000 χ^2/NDF : 1782466.4/27

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.413 $\pm$ 0.000 χ^2 /NDF: 172560306608.0/16

Left Out: 1.765 $\pm$ 0.000 χ^2 /NDF: 57798584037.8/8

1.465 $\pm$ 0.000 χ^2 /NDF: 258474762501.3/25

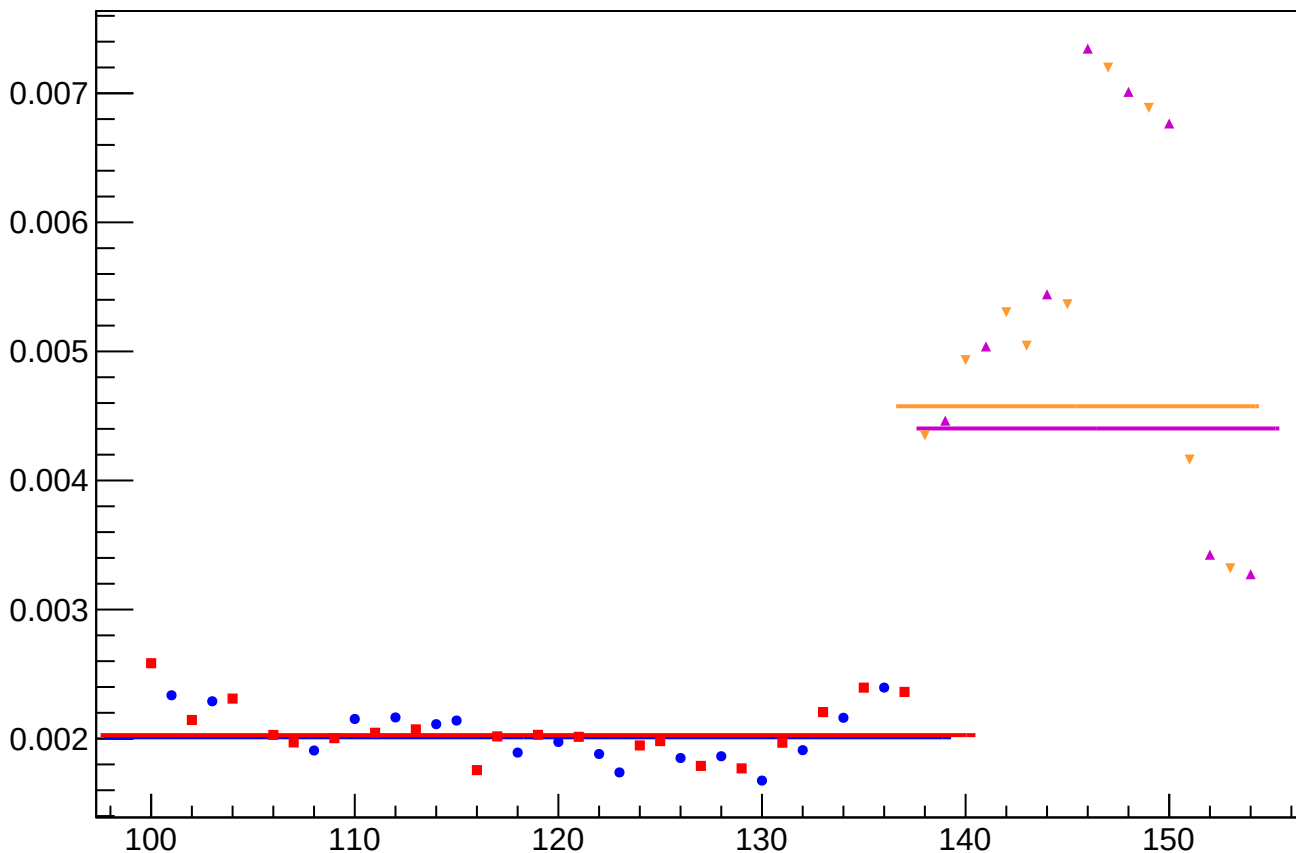
Right Out: 1.441 $\pm$ 0.000 χ^2 /NDF: 174346888744.4/19

1.487 $\pm$ 0.000 χ^2 /NDF: 568346424012.2/12

1.507 $\pm$ 0.000 χ^2 /NDF: 308230794605.9/27

Left In: 1.886 $\pm$ 0.000 χ^2 /NDF: 87226325060.6/7

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 152530.4/16

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:606058.1/8

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 103927.8/19

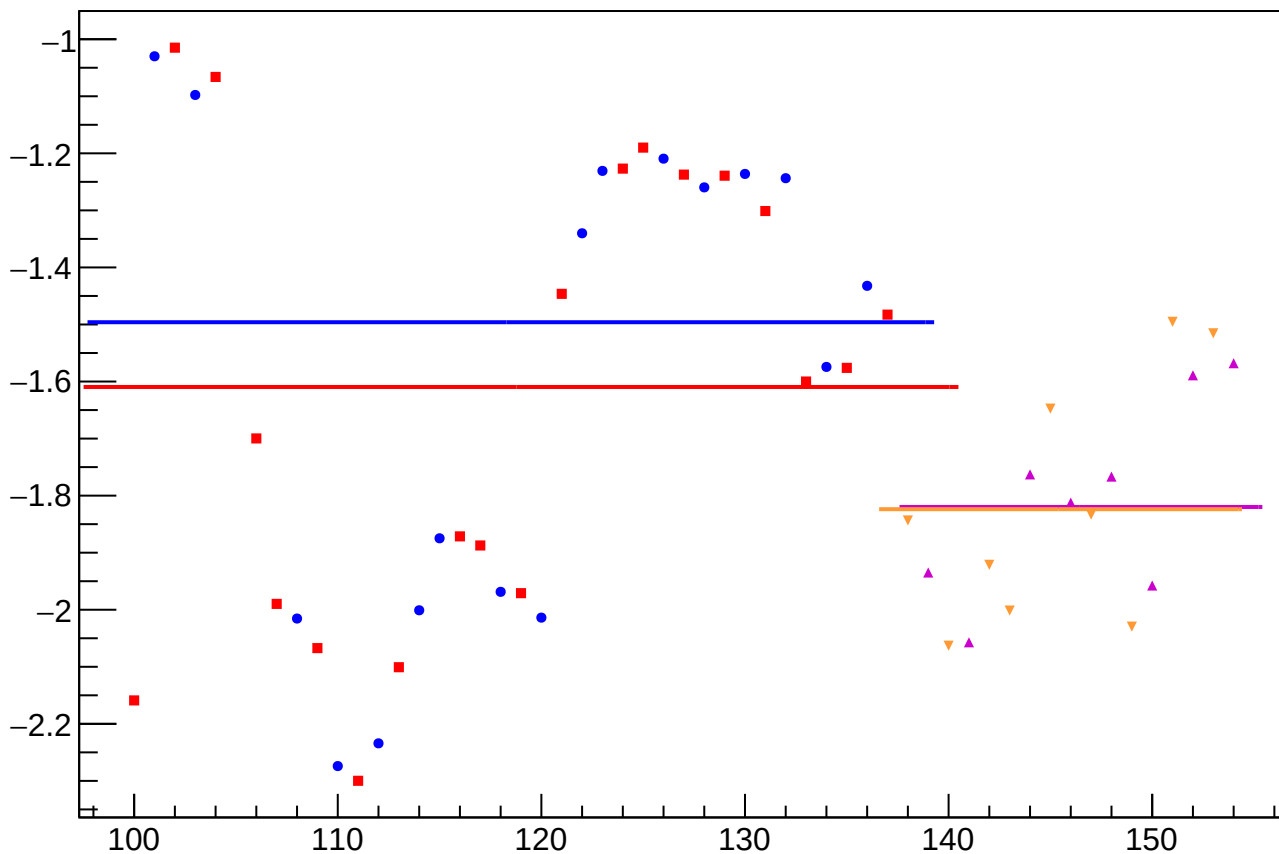
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:945704.5/7

0.002 $\pm$ 0.000 χ^2 /NDF: 3733351.7/25

0.002 $\pm$ 0.000 χ^2 /NDF: 7450292.8/53

0.002 $\pm$ 0.000 χ^2 /NDF: 3716793.1/27

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.824+/-0.000 χ^2/NDF : 7552079590.6/8

-1.677+/-0.000 χ^2/NDF : 38311559012.4/25

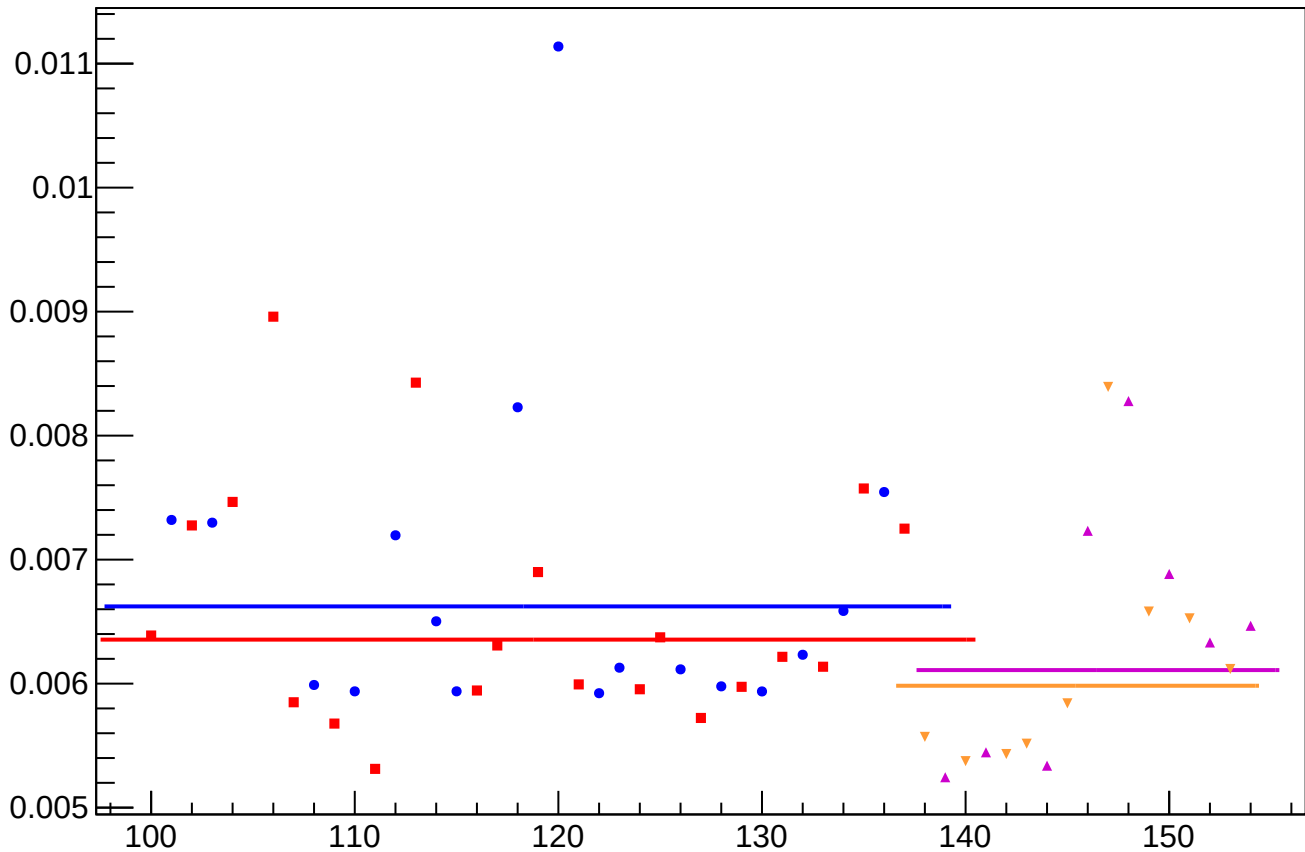
Right Out: -1.610+/-0.000 χ^2/NDF : 27919840690.9/19

-1.696+/-0.000 χ^2/NDF : 74613784550.5/5

-1.713+/-0.000 χ^2/NDF : 36092470421.9/27

Left In: -1.820+/-0.000 χ^2/NDF : 4585191142.8/7

yield_bpm0l01X_rms vs Slug, Sign Corrected



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

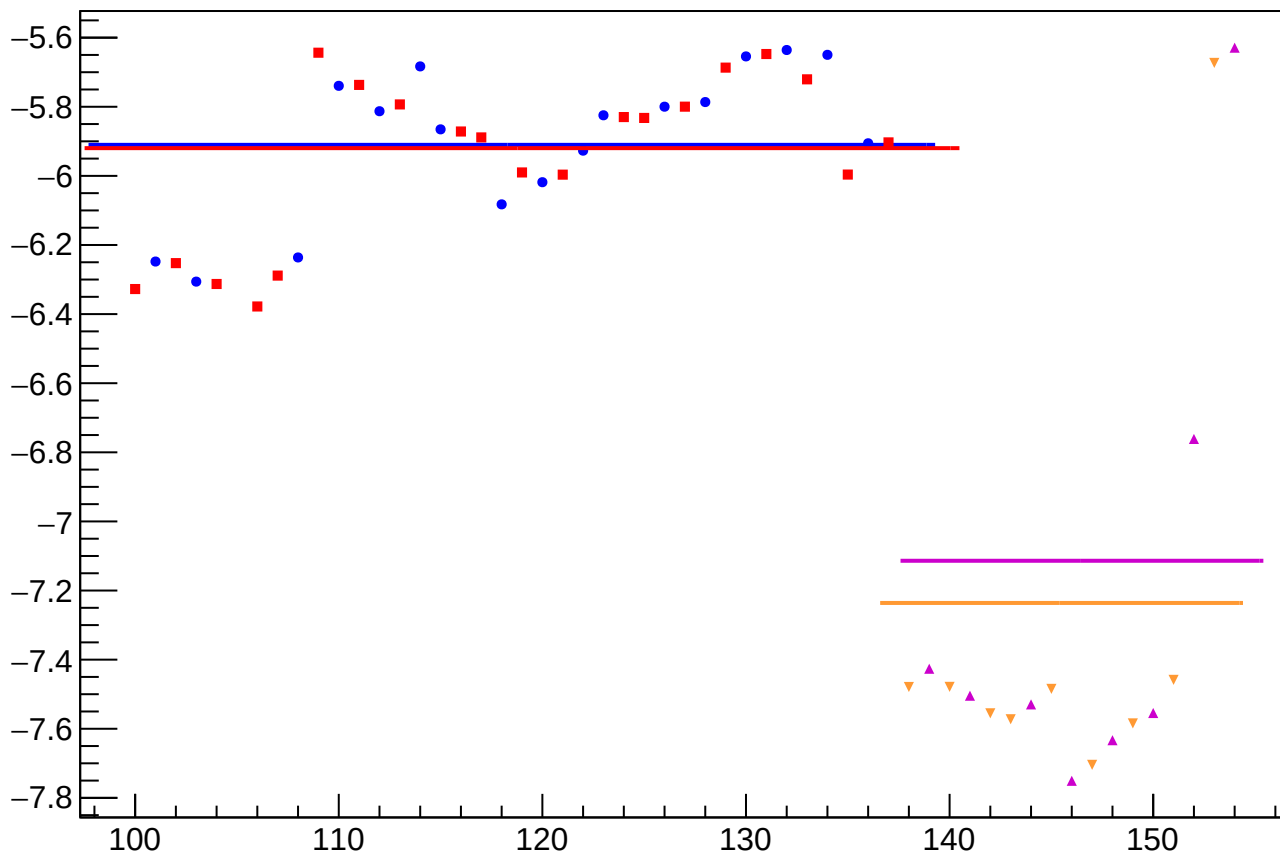
Left In: 0.006+/-0.000 χ^2/NDF : 253481.2/7

0.006+/-0.000 χ^2/NDF : 480090.7/25

0.006+/-0.000 χ^2/NDF : 971637.6/53

0.006+/-0.000 χ^2/NDF : 491140.3/27

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.910+/-0.000 χ^2/NDF : 11154434512.7/16

Left Out: -7.236+/-0.000 χ^2/NDF : 38255060169.9/8

Right Out: -5.920+/-0.000 χ^2/NDF : 12786449843.6/19

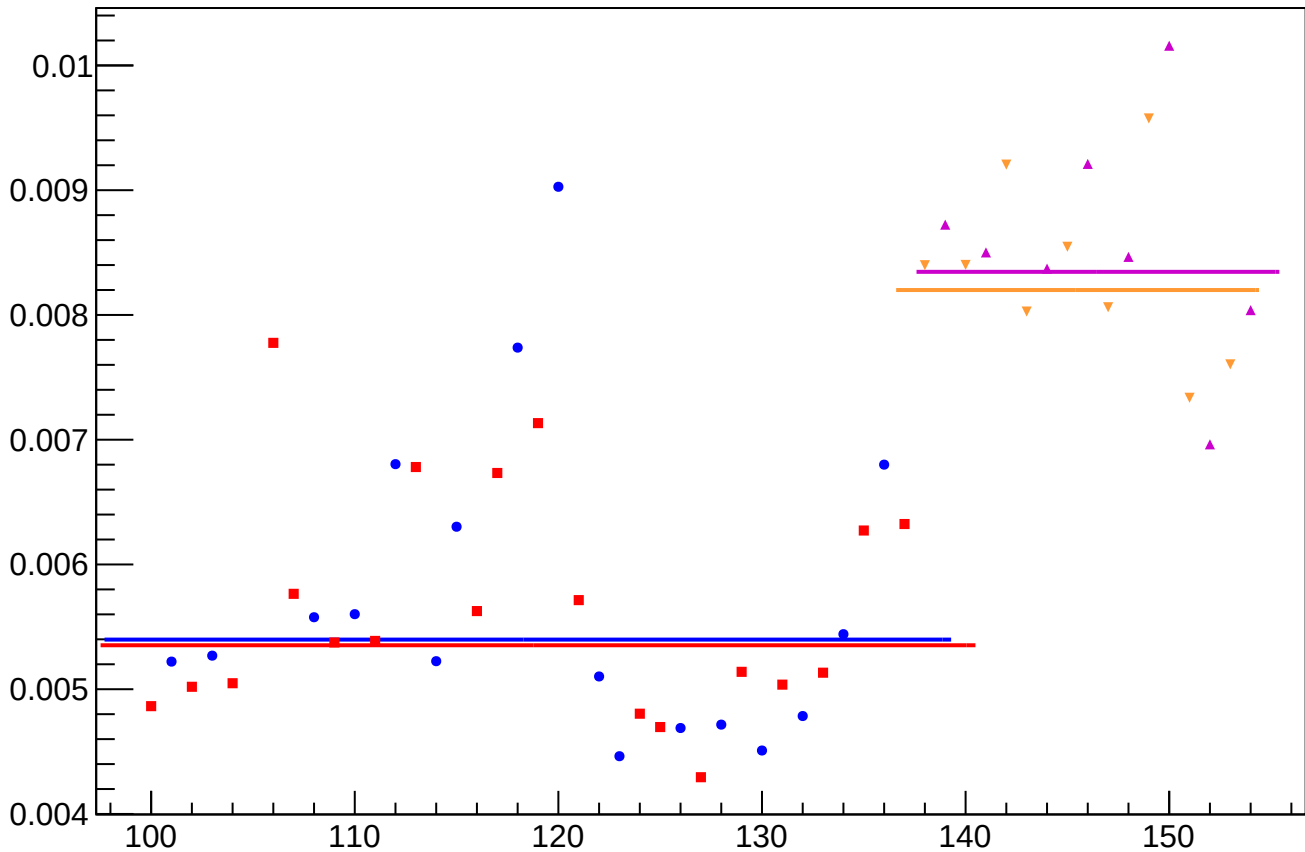
Left In: -7.114+/-0.000 χ^2/NDF : 39886778478.6/7

-6.288+/-0.000 χ^2/NDF : 150912947214.9/25

-6.260+/-0.000 χ^2/NDF : 287926103577.2

-6.234+/-0.000 χ^2/NDF : 136591451907.3/27

yield_bpm0l01Y_rms vs Slug, Sign Corrected



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

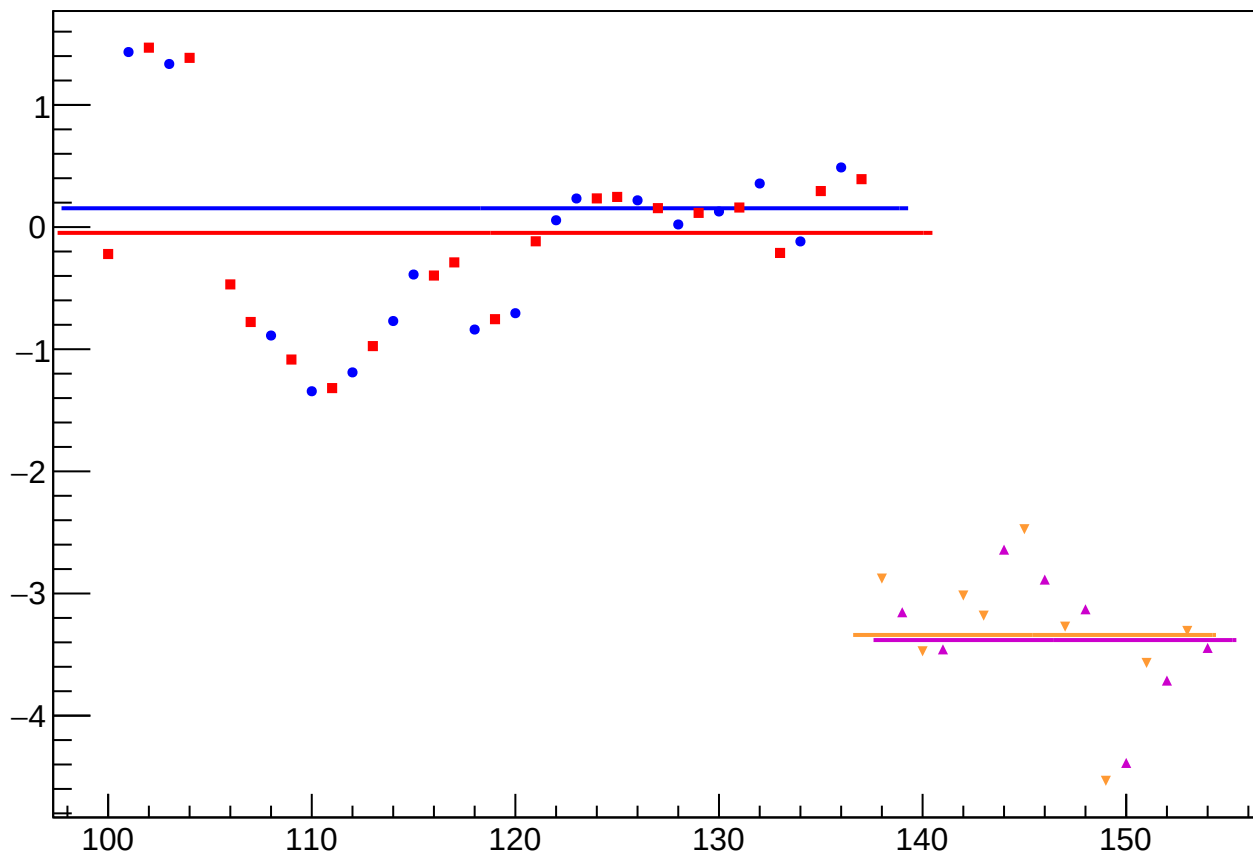
Left In: 0.008+/-0.000 χ^2/NDF : 121227.3/7

0.006+/-0.000 χ^2/NDF : 1346035.2/25

0.006+/-0.000 χ^2/NDF : 2775429.0/53

0.006+/-0.000 χ^2/NDF : 1428493.4/27

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.154 ± 0.000 $\chi^2/\text{NDF}: 16988256953.8/16$

Left Out: -3.339 ± 0.000 $\chi^2/\text{NDF}: 6542900374.5/8$

-1.288 ± 0.000 $\chi^2/\text{NDF}: 178009916956.3/25$

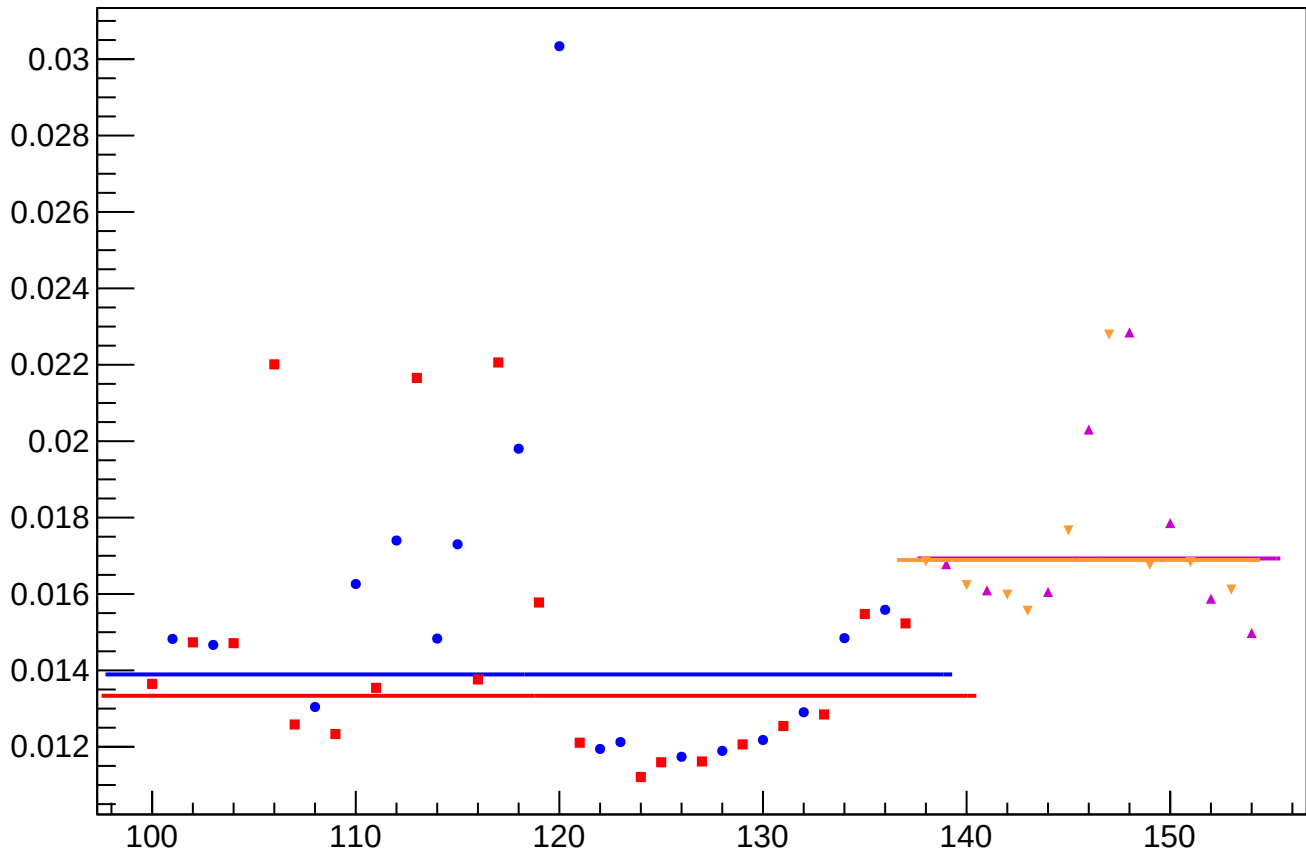
Right Out: -0.047 ± 0.000 $\chi^2/\text{NDF}: 21216074494.2/19$

-1.278 ± 0.000 $\chi^2/\text{NDF}: 353314905969.7$

Left In: -3.381 ± 0.000 $\chi^2/\text{NDF}: 5302159747.2/7$

-1.270 ± 0.000 $\chi^2/\text{NDF}: 175296390866.5/27$

yield_bpm0l02X_rms vs Slug, Sign Corrected



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

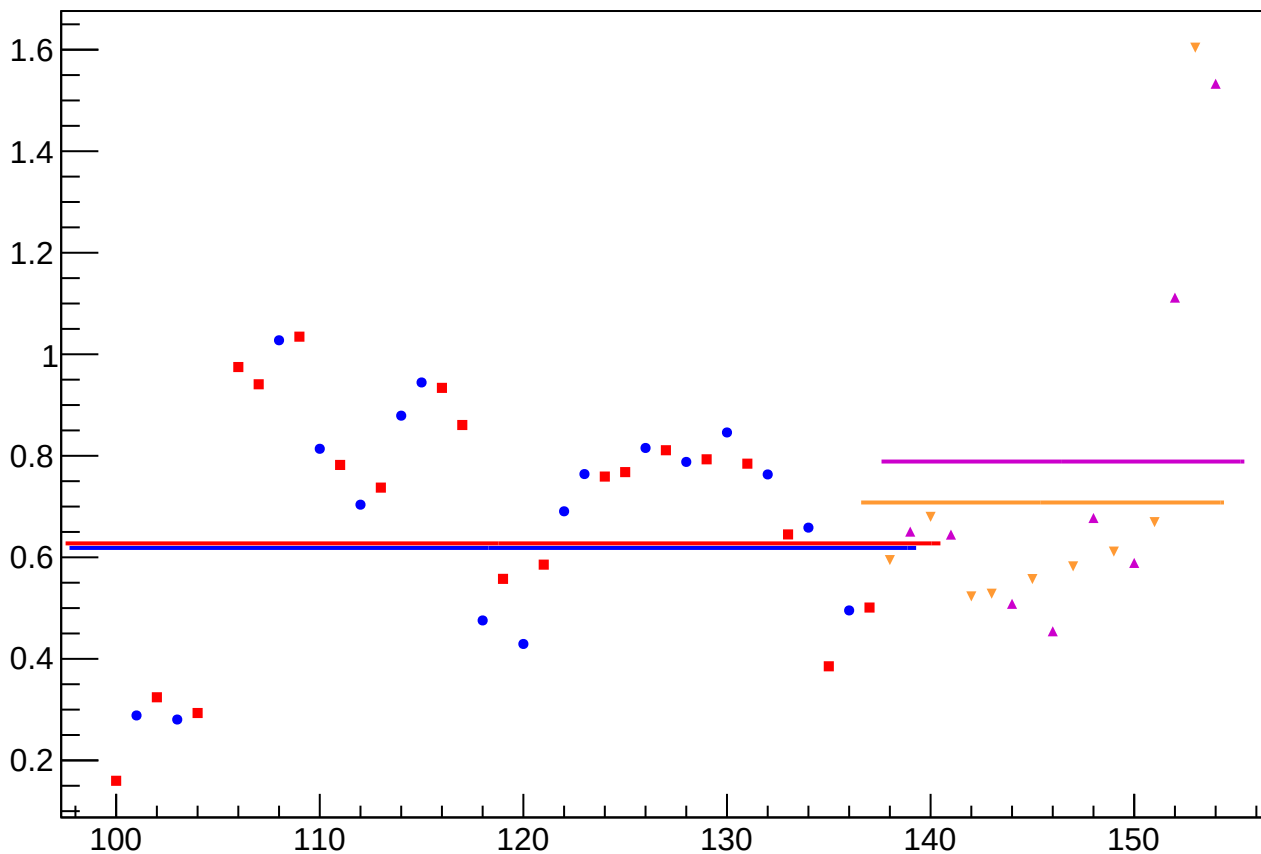
Left In: 0.017+/-0.000 χ^2/NDF :184773.1/7

0.015+/-0.000 χ^2/NDF : 743341.3/25

0.015+/-0.000 χ^2/NDF : 1589812.5/53

0.015+/-0.000 χ^2/NDF : 834002.4/27

yield_bpm0l02Y_mean vs Slug, Sign Corrected



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

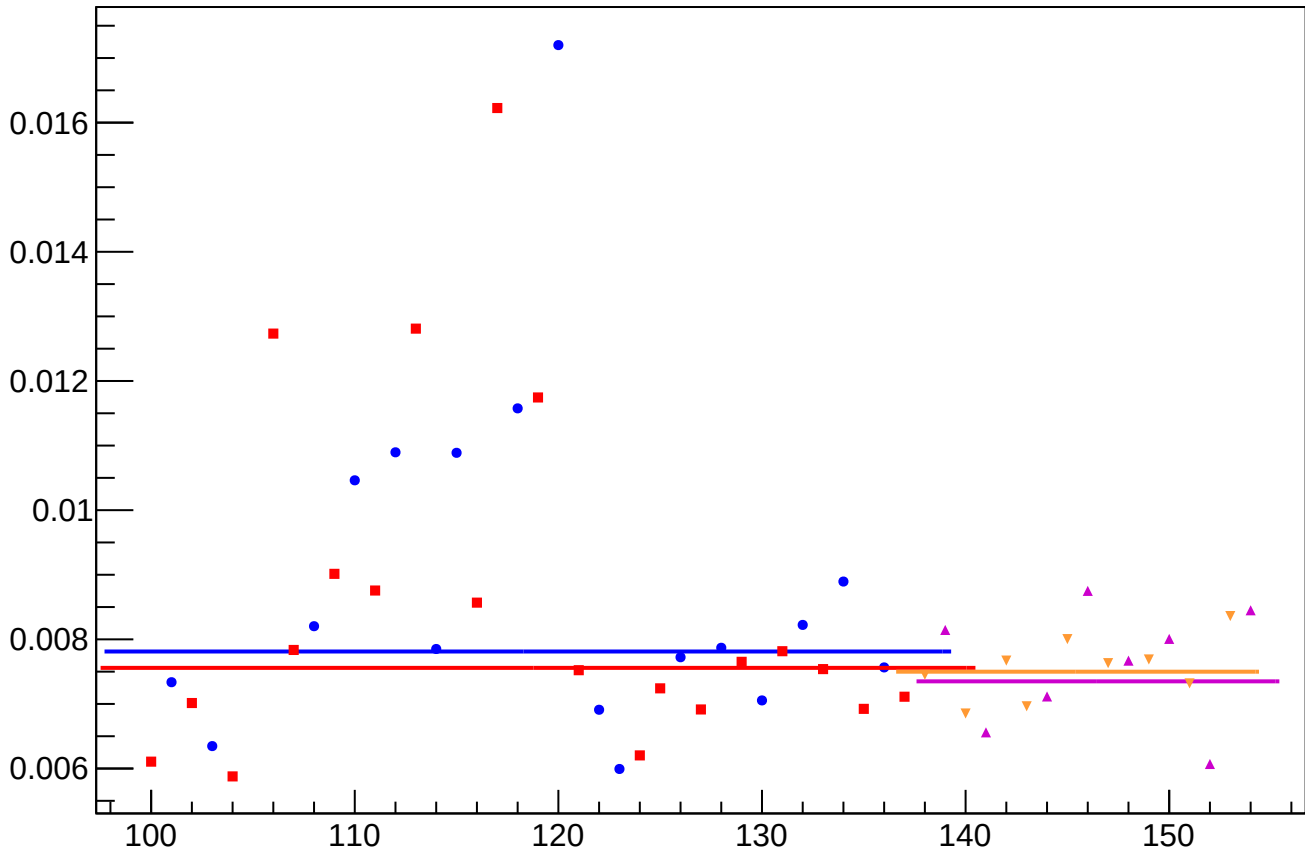
Left In: 0.789+/-0.000 χ^2/NDF : 11973585422.5/7

0.666+/-0.000 χ^2/NDF : 16124695927.9/25

0.688+/-0.000 χ^2/NDF : 36058035541.7/5

0.708+/-0.000 χ^2/NDF : 19740483562.9/27

yield_bpm0l02Y_rms vs Slug, Sign Corrected



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

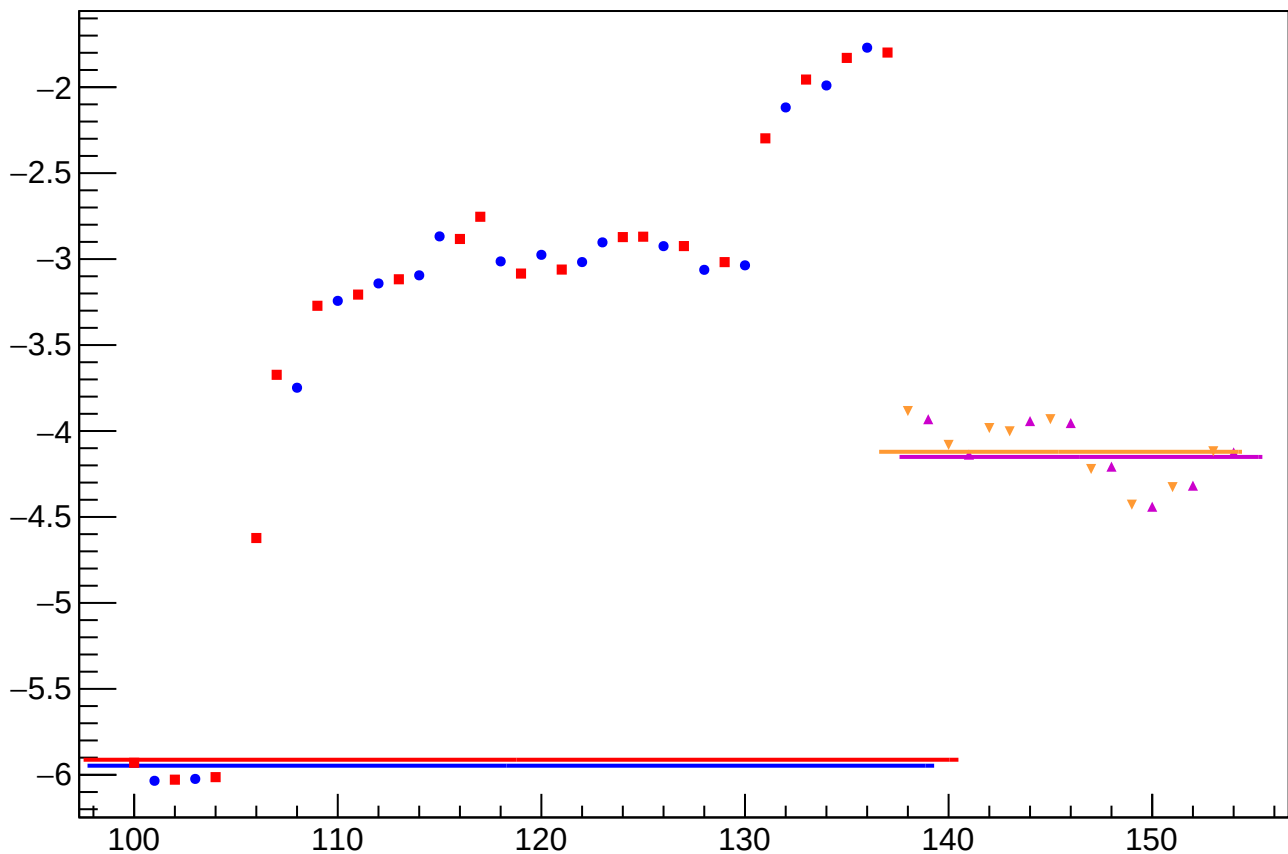
Left In: 0.007+/-0.000 χ^2/NDF : 180953.2/7

0.008+/-0.000 χ^2/NDF : 521246.1/25

0.008+/-0.000 χ^2/NDF : 1178085.5/53

0.007+/-0.000 χ^2/NDF : 648946.7/27

yield_bpm0l03X_mean vs Slug, Sign Corrected



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

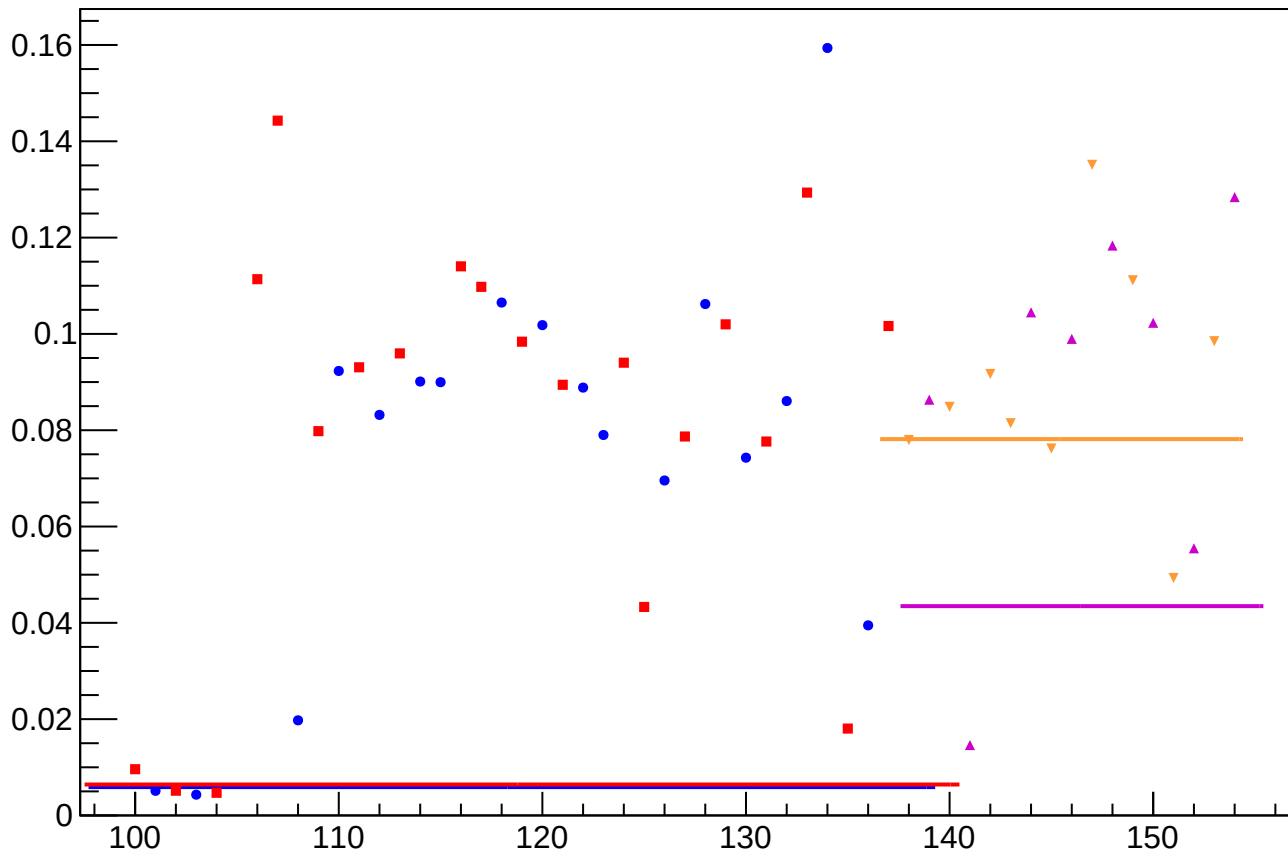
Right Out: -5.912+/-0.000 χ^2/NDF : 14648055548.9/19

-5.884+/-0.000 χ^2/NDF : 35169453339.1/15

-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, Sign Corrected



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

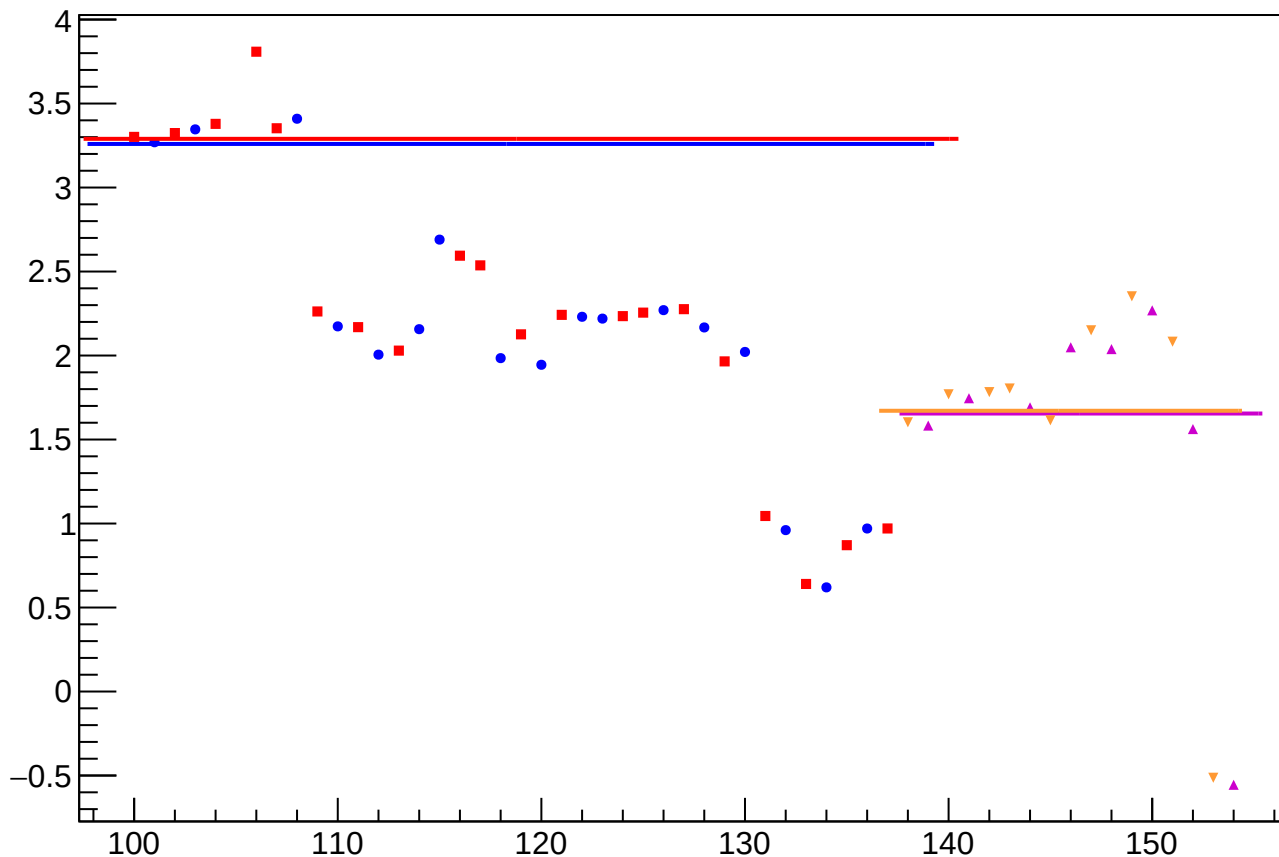
Left In: 0.043+/-0.000 χ^2/NDF : 4396719.2/7

0.007+/-0.000 χ^2/NDF : 17774986.8/25

0.007+/-0.000 χ^2/NDF : 34584776.1/53

0.008+/-0.000 χ^2/NDF : 16795231.5/27

yield_bpm0l03Y_mean vs Slug, Sign Corrected



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

Right Out: 3.290 $\pm$ 0.000 χ^2 /NDF: 3263300926.6/19

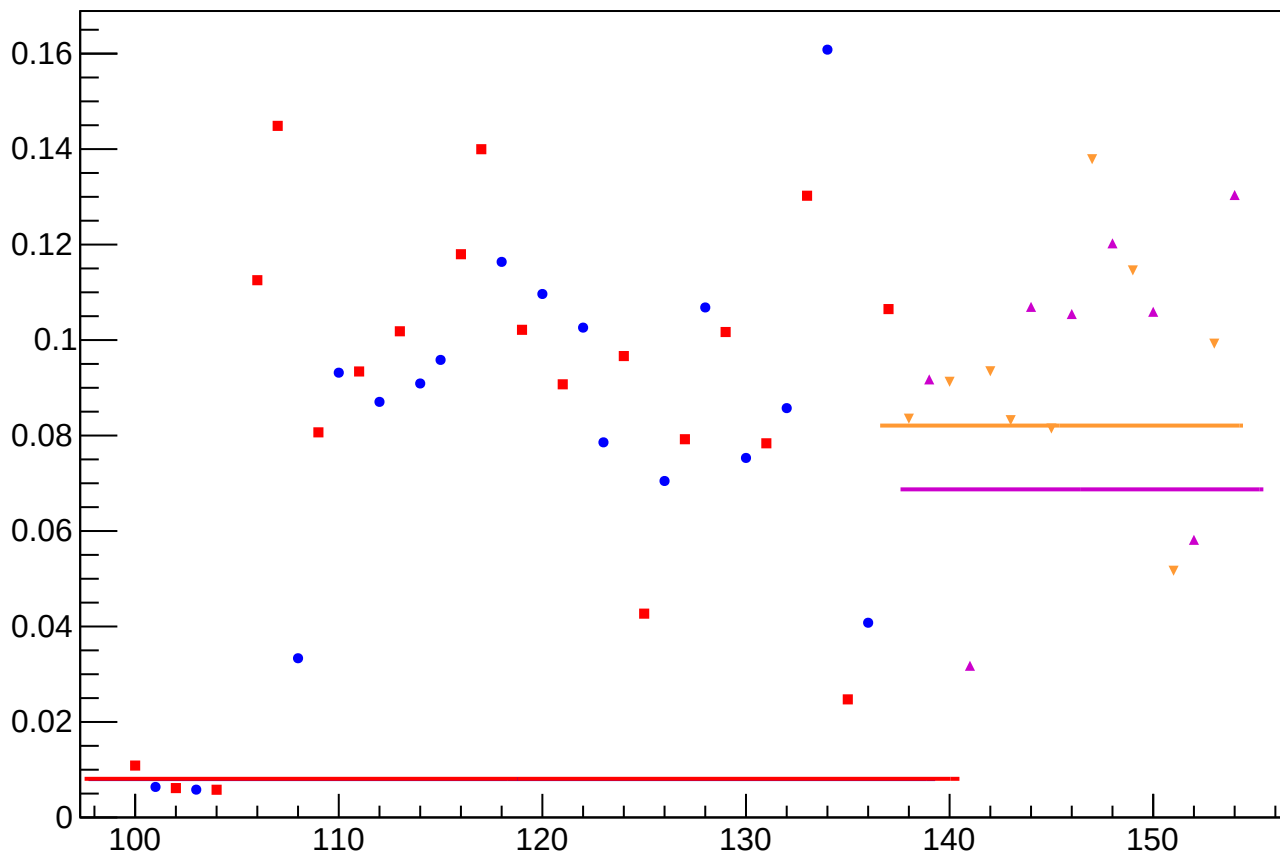
Left In: 1.655 $\pm$ 0.000 χ^2 /NDF: 251436739.3/7

3.217 $\pm$ 0.000 χ^2 /NDF: 5294278674.7/25

3.227 $\pm$ 0.000 χ^2 /NDF: 11033771895.5/5

3.239 $\pm$ 0.000 χ^2 /NDF: 5732550959.2/27

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 7742048.1/16

Left Out: 0.082+/-0.000 χ^2/NDF : 798252.9/8

Right Out: 0.008+/-0.000 χ^2/NDF : 8375005.0/19

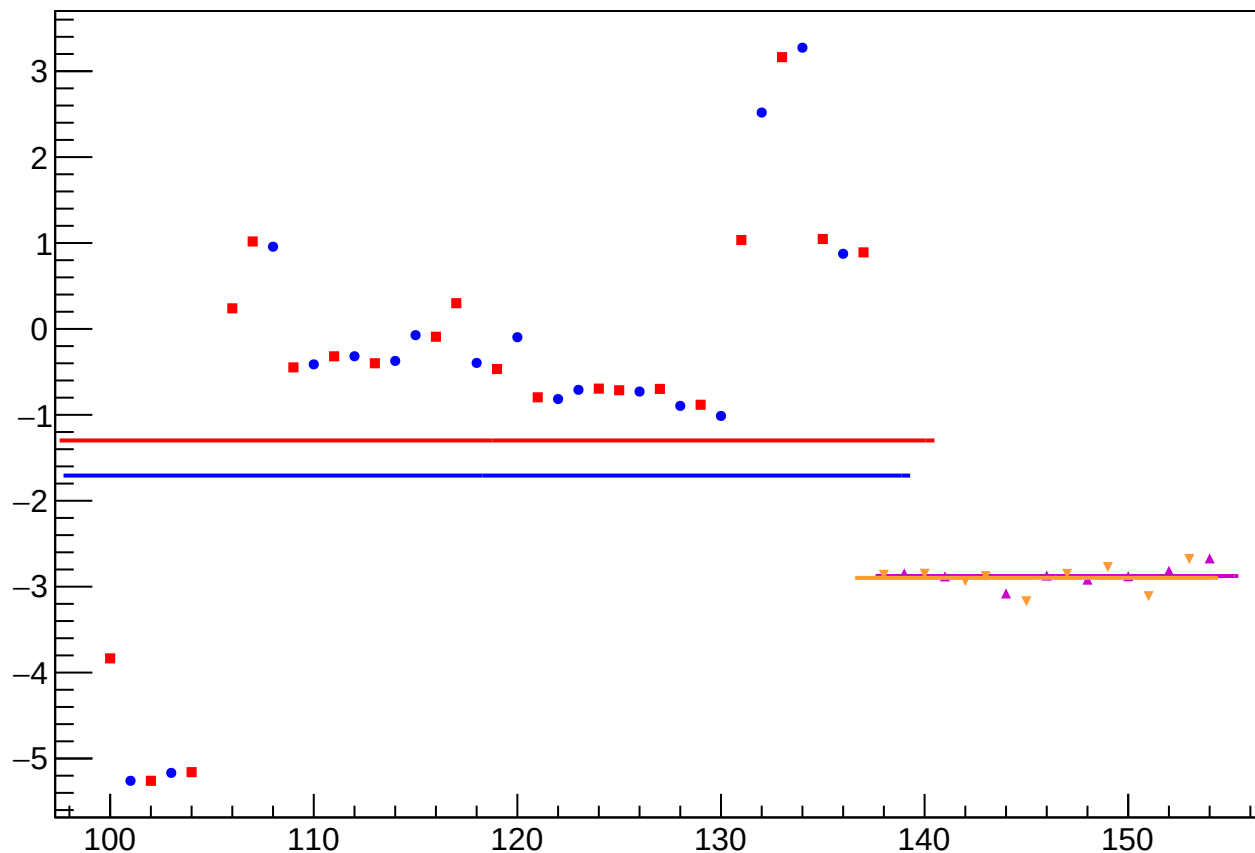
Left In: 0.069+/-0.000 χ^2/NDF : 2102610.2/7

0.010+/-0.000 χ^2/NDF : 17057985.6/25

0.010+/-0.000 χ^2/NDF : 33634881.9/53

0.010+/-0.000 χ^2/NDF : 16576836.4/27

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.707 $\pm$ 0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.897 $\pm$ 0.000 χ^2/NDF : 2349453061.1/8

Right Out: -1.298 $\pm$ 0.000 χ^2/NDF : 178085926993.4/19

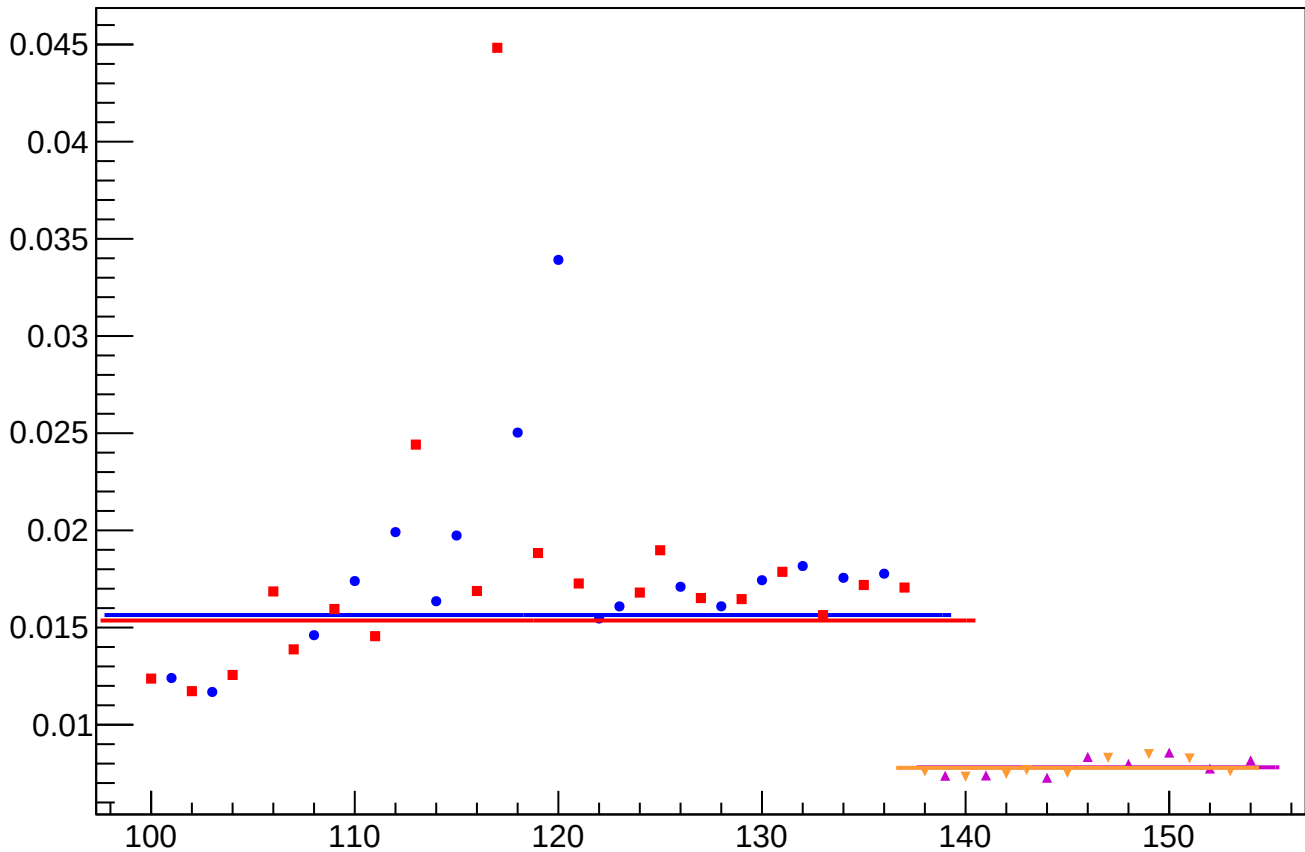
Left In: -2.876 $\pm$ 0.000 χ^2/NDF : 1233818884.9/7

-2.682 $\pm$ 0.000 χ^2/NDF : 195057935422.4/25

-2.617 $\pm$ 0.000 χ^2/NDF : 427612642282.7

-2.553 $\pm$ 0.000 χ^2/NDF : 231497229769.4/27

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016 $\pm$ 0.000 χ^2/NDF : 578244.3/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 32509.2/8

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 387283.2/19

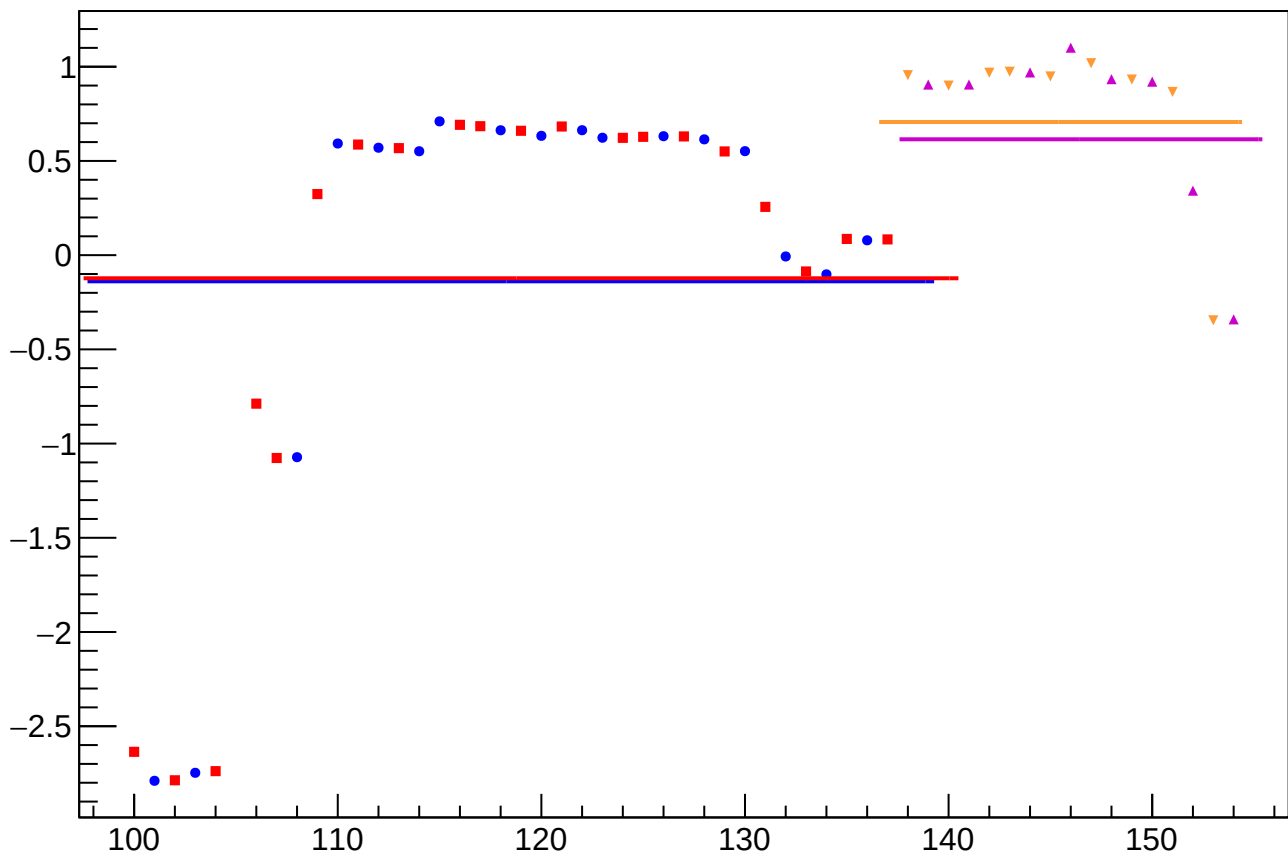
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 41888.8/7

0.009 $\pm$ 0.000 χ^2/NDF : 2929655.2/25

0.009 $\pm$ 0.000 χ^2/NDF : 5753356.2/53

0.009 $\pm$ 0.000 χ^2/NDF : 2820838.7/27

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -0.139 $\pm$ 0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.707 $\pm$ 0.000 χ^2/NDF : 32630549236.0/8

0.034 $\pm$ 0.000 χ^2/NDF : 822303531952.4/25

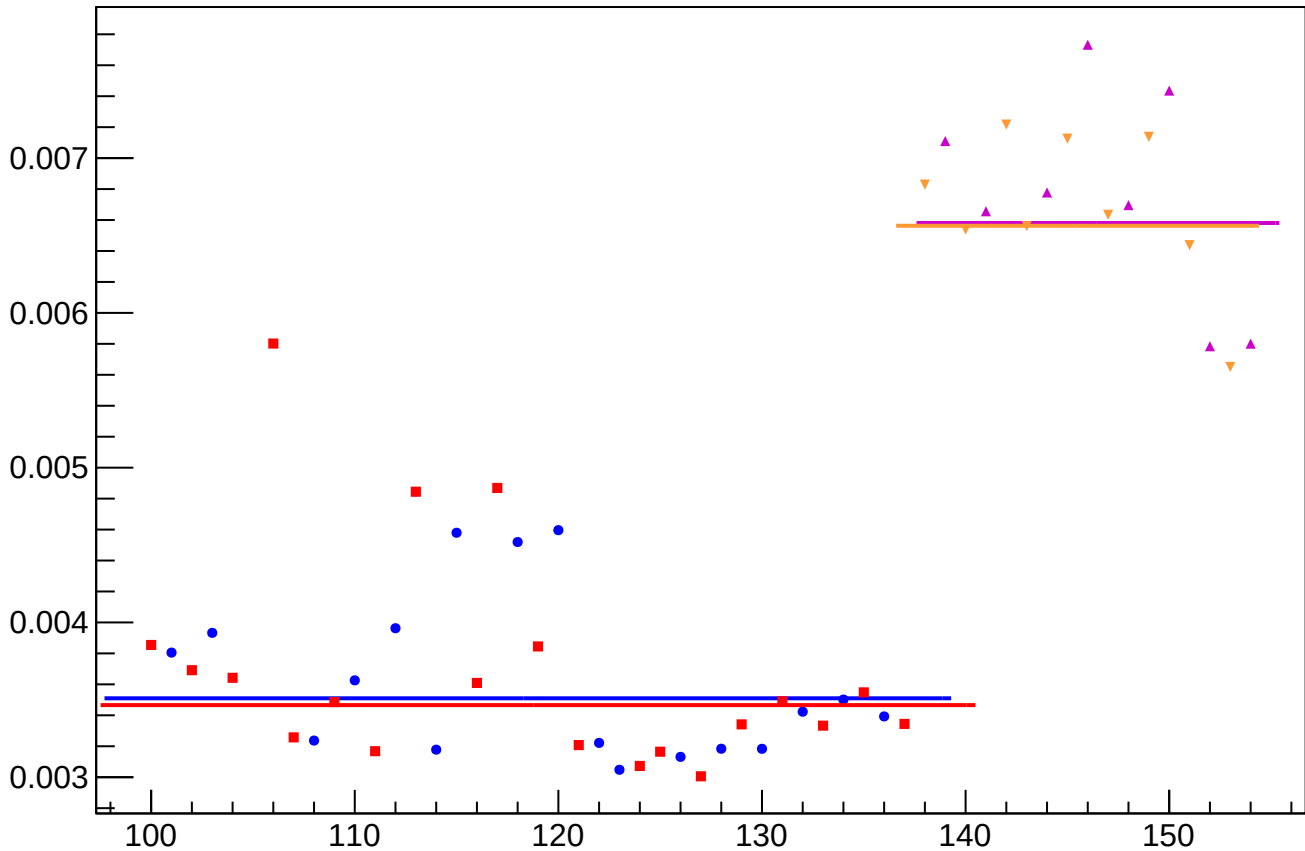
Right Out: -0.123 $\pm$ 0.000 χ^2/NDF : 762580598699.5/19

0.026 $\pm$ 0.000 χ^2/NDF : 1676925348906.9

Left In: 0.615 $\pm$ 0.000 χ^2/NDF : 33459532867.3/7

0.018 $\pm$ 0.000 χ^2/NDF : 854544824288.2/27

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 171337.9/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:65635.5/8

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 222524.1/19

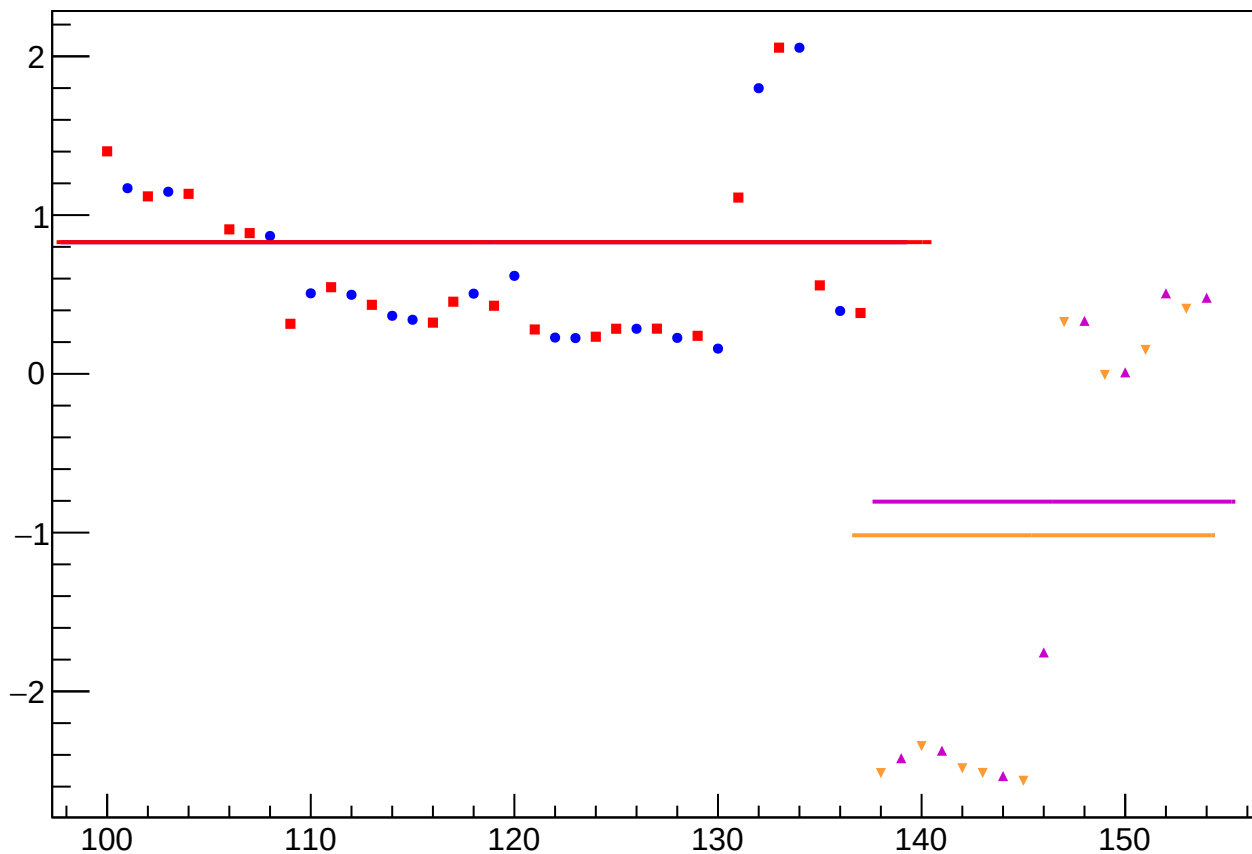
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:114654.0/7

0.004 $\pm$ 0.000 χ^2 /NDF: 2183269.1/25

0.004 $\pm$ 0.000 χ^2 /NDF: 4610605.6/53

0.004 $\pm$ 0.000 χ^2 /NDF: 2424040.0/27

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.829 $\pm$ 0.000 χ^2 /NDF: 31718573821.2/16

Left Out: -1.017 $\pm$ 0.000 χ^2 /NDF: 289518570637.8/8

Right Out: 0.830 $\pm$ 0.000 χ^2 /NDF: 33349713412.0/19

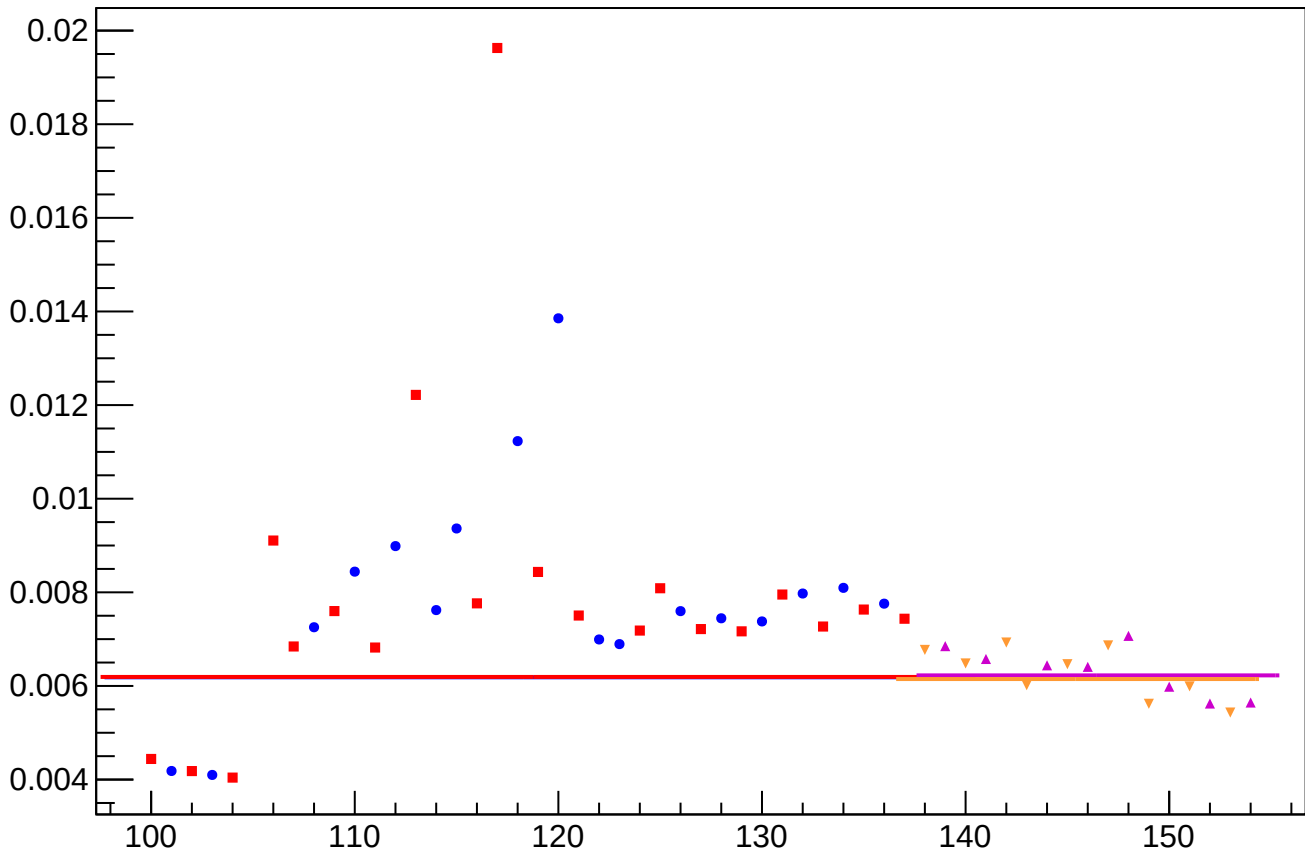
Left In: -0.805 $\pm$ 0.000 χ^2 /NDF: 271180027944.8/7

-0.154 $\pm$ 0.000 χ^2 /NDF: 573486491169.4/25

-0.075 $\pm$ 0.000 χ^2 /NDF: 1087362662166.

0.002 $\pm$ 0.000 χ^2 /NDF: 510177505719.3/27

yield_bpm0l05X_rms vs Slug, Sign Corrected



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

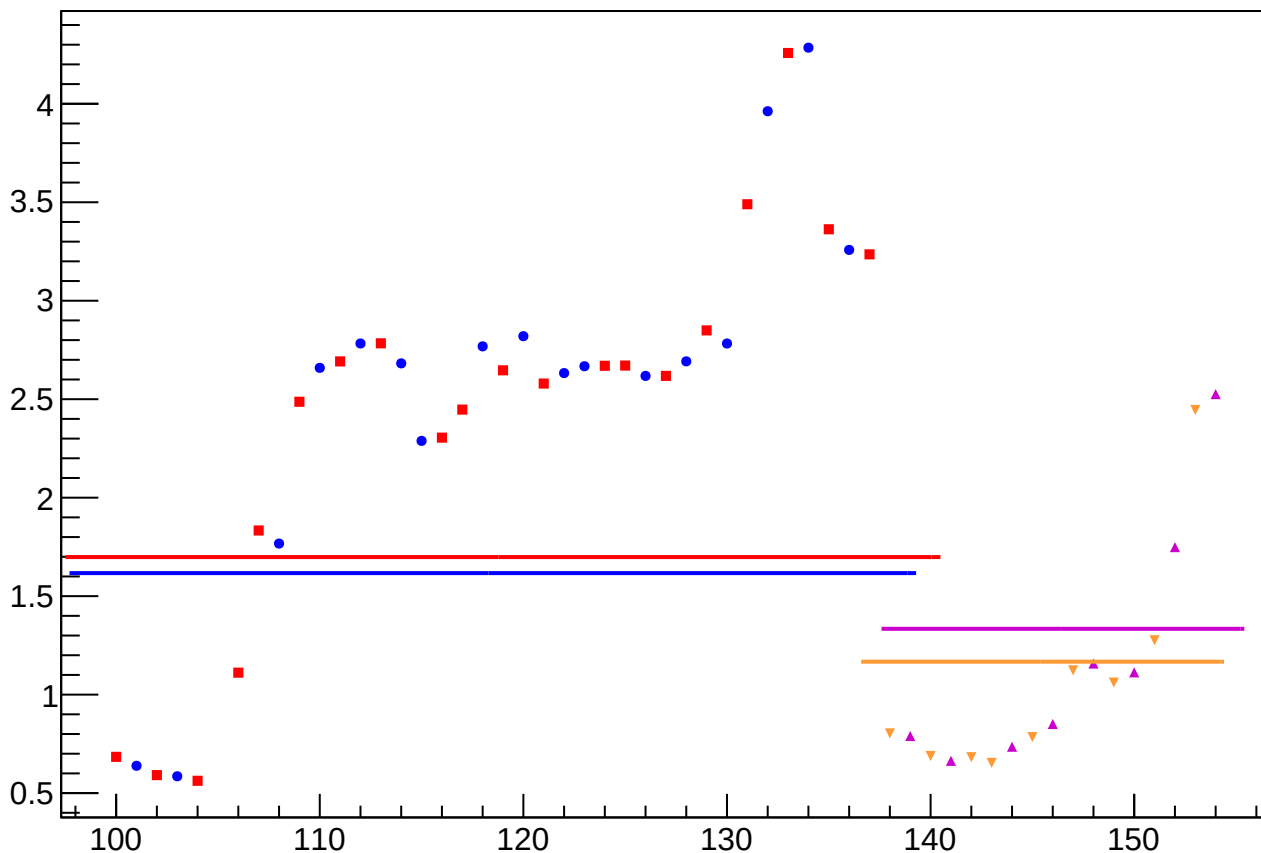
Left In: 0.006+/-0.000 χ^2/NDF : 76513.5/7

0.006+/-0.000 χ^2/NDF : 1314866.3/25

0.006+/-0.000 χ^2/NDF : 2455034.8/53

0.006+/-0.000 χ^2/NDF : 1139571.8/27

yield_bpm0l05Y_mean vs Slug, Sign Corrected



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

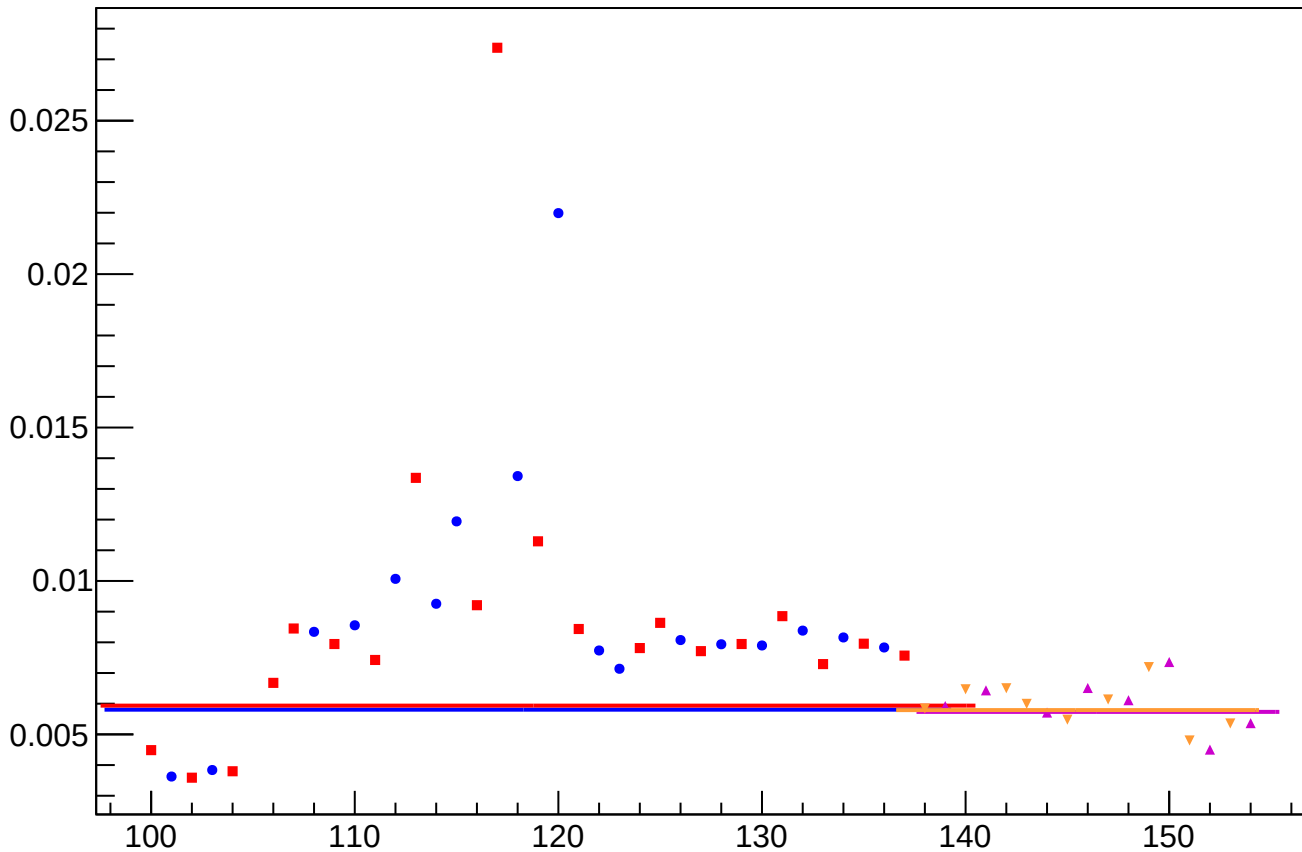
Right Out: 1.698+/-0.000 χ^2/NDF : 227436227264.4/19

1.444+/-0.000 χ^2/NDF : 589984799171.2/7

1.507+/-0.000 χ^2/NDF : 309840867028.6/27

Left In: 1.334+/-0.000 χ^2/NDF : 71782656485.3/7

yield_bpm0105Y_rms vs Slug, Sign Corrected



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

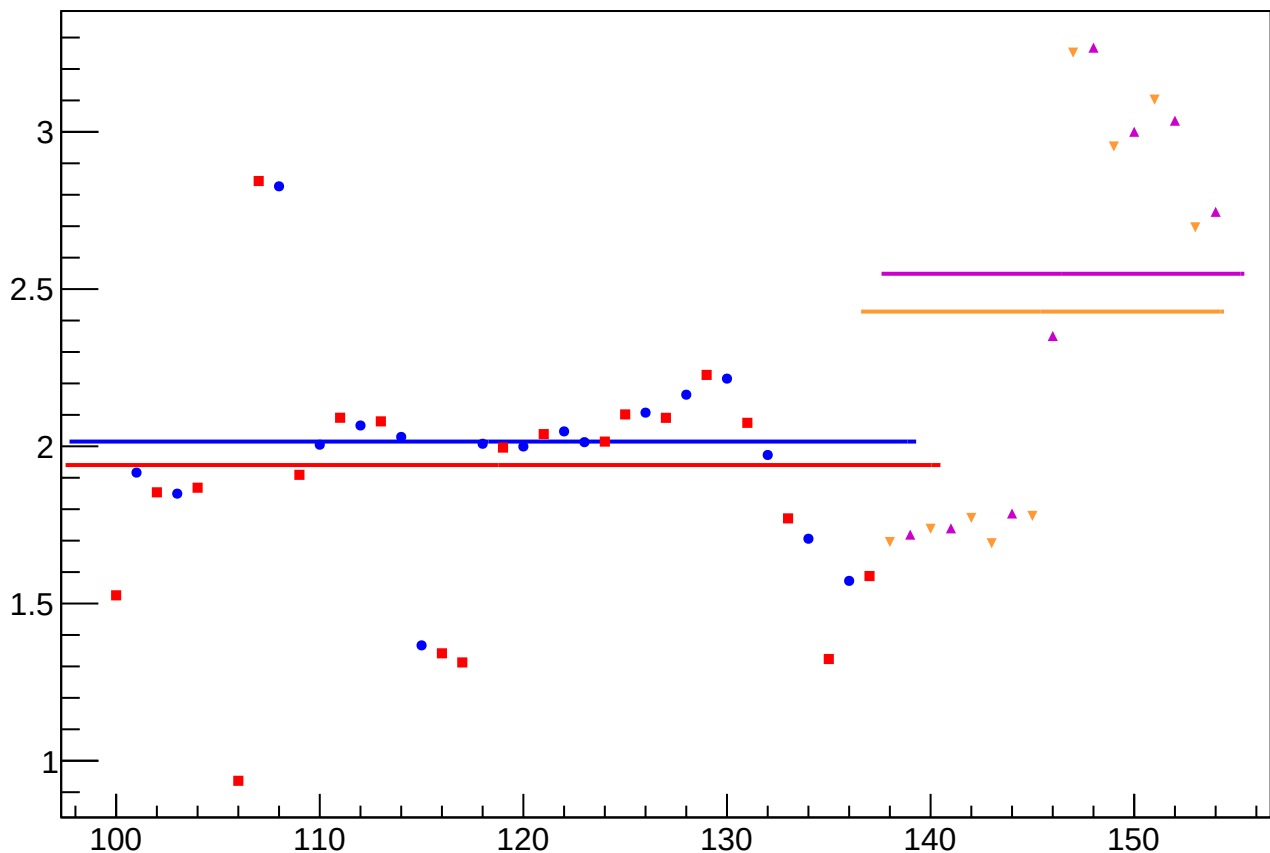
Left In: 0.006+/-0.000 χ^2/NDF :232005.5/7

0.006+/-0.000 χ^2/NDF : 2065224.2/25

0.006+/-0.000 χ^2/NDF : 4035499.6/53

0.006+/-0.000 χ^2/NDF : 1969950.1/27

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.015 $\pm$ 0.000 χ^2/NDF : 12228403202.6/16

Left Out: 2.428 $\pm$ 0.000 χ^2/NDF : 43439293670.0/8

Right Out: 1.940 $\pm$ 0.000 χ^2/NDF : 21732099424.5/19

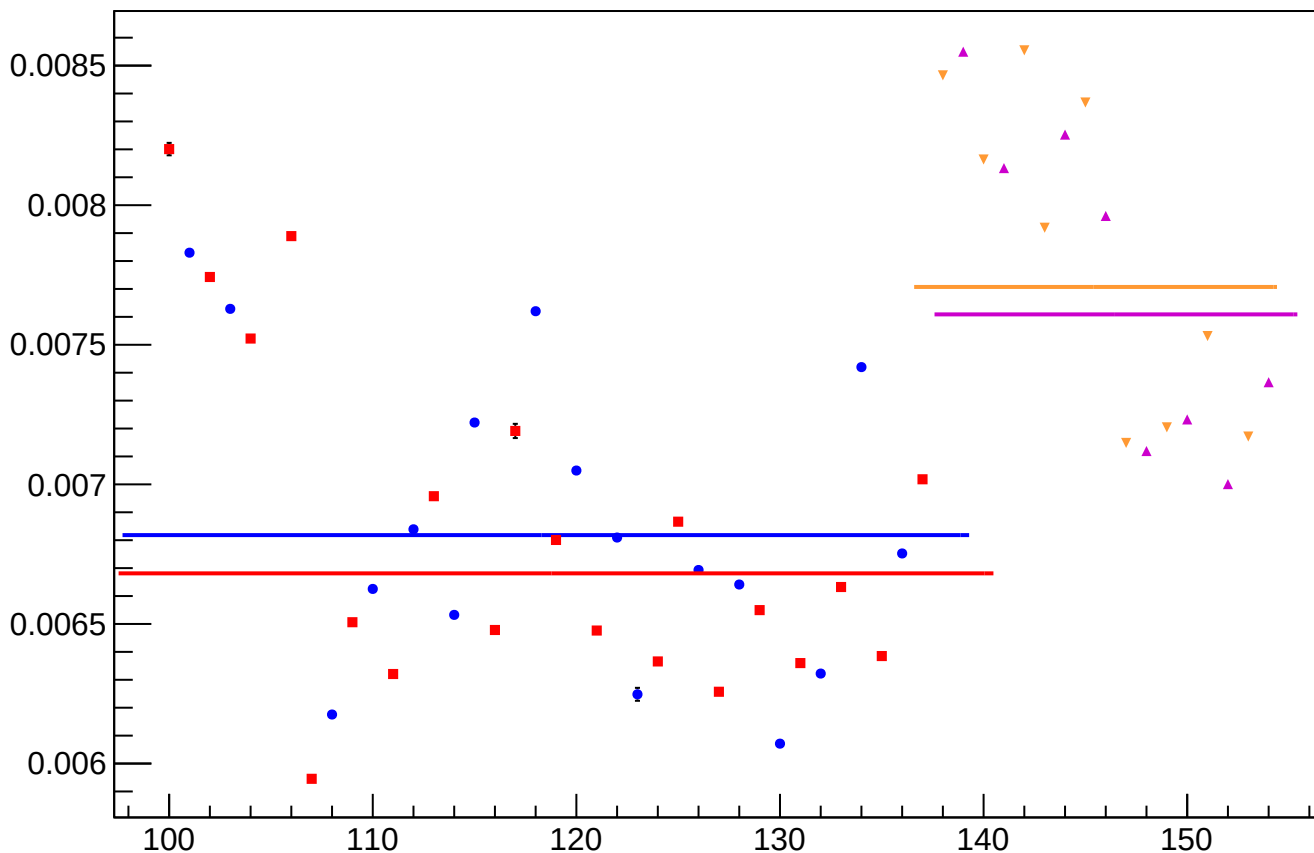
Left In: 2.549 $\pm$ 0.000 χ^2/NDF : 37239559112.5/7

2.193 $\pm$ 0.000 χ^2/NDF : 65754861202.4/25

2.193 $\pm$ 0.000 χ^2/NDF : 148100817765.9/25

2.192 $\pm$ 0.000 χ^2/NDF : 82345560801.5/27

yield_bpm0l06X_rms vs Slug, Sign Corrected



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

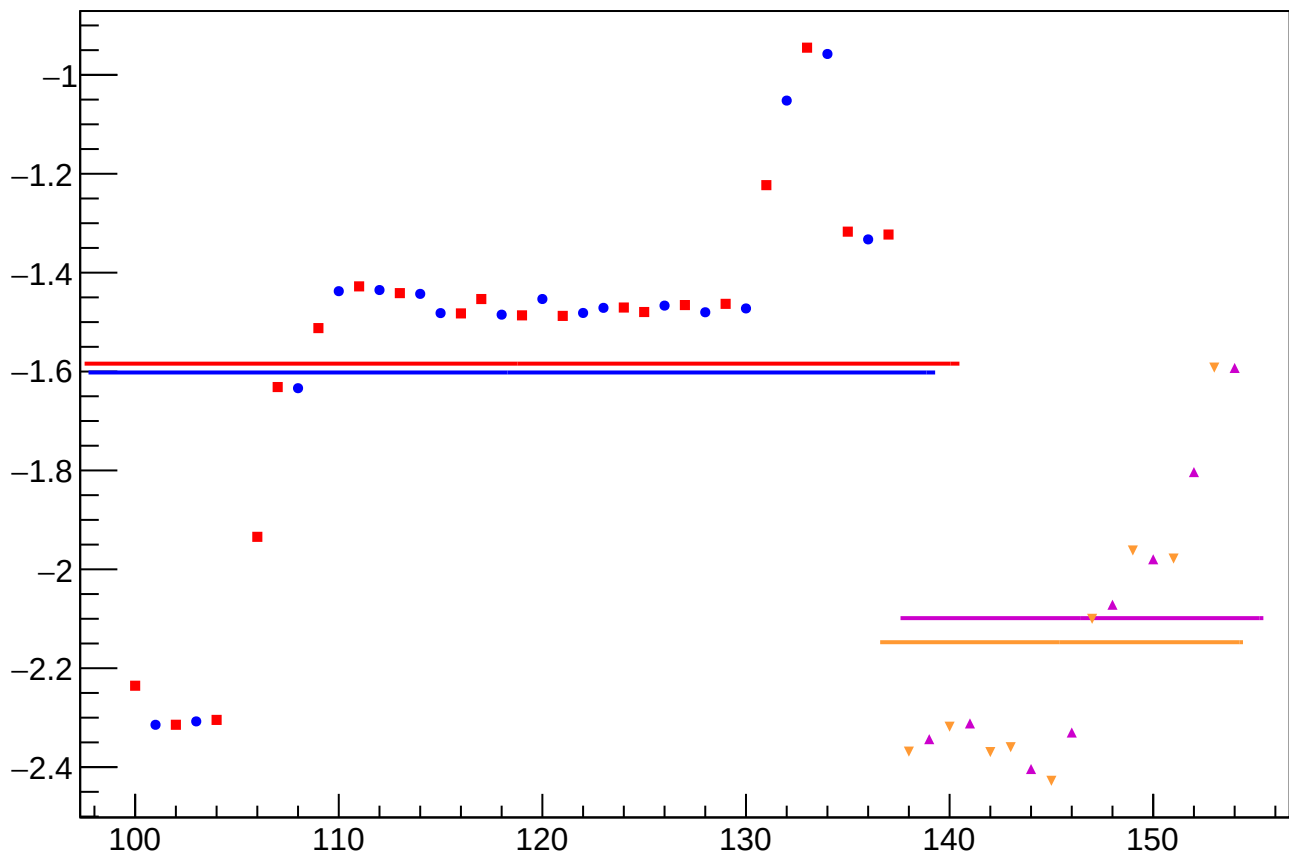
Left In: 0.008+/-0.000 χ^2/NDF : 60957.2/7

0.007+/-0.000 χ^2/NDF : 228343.9/25

0.007+/-0.000 χ^2/NDF : 478840.8/53

0.007+/-0.000 χ^2/NDF : 245771.9/27

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -2.147+/-0.000 χ^2/NDF : 52384441623.8/8

Right Out: -1.584+/-0.000 χ^2/NDF : 143612120137.8/19

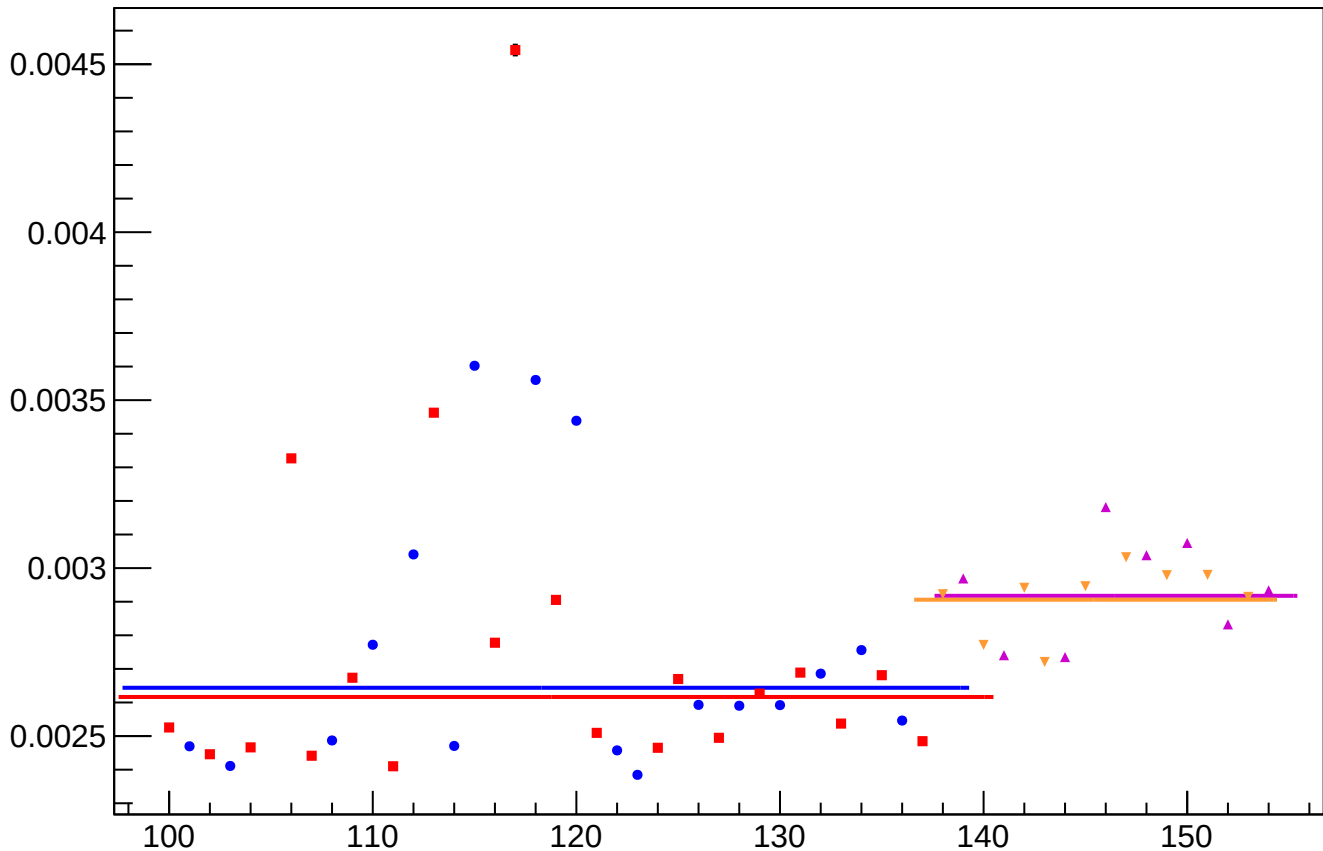
Left In: -2.099+/-0.000 χ^2/NDF : 57157836531.5/7

-1.843+/-0.000 χ^2/NDF : 310876943512.7/25

-1.822+/-0.000 χ^2/NDF : 622730257606.8

-1.801+/-0.000 χ^2/NDF : 310406660014.4/27

yield_bpm0l06Y_rms vs Slug, Sign Corrected



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

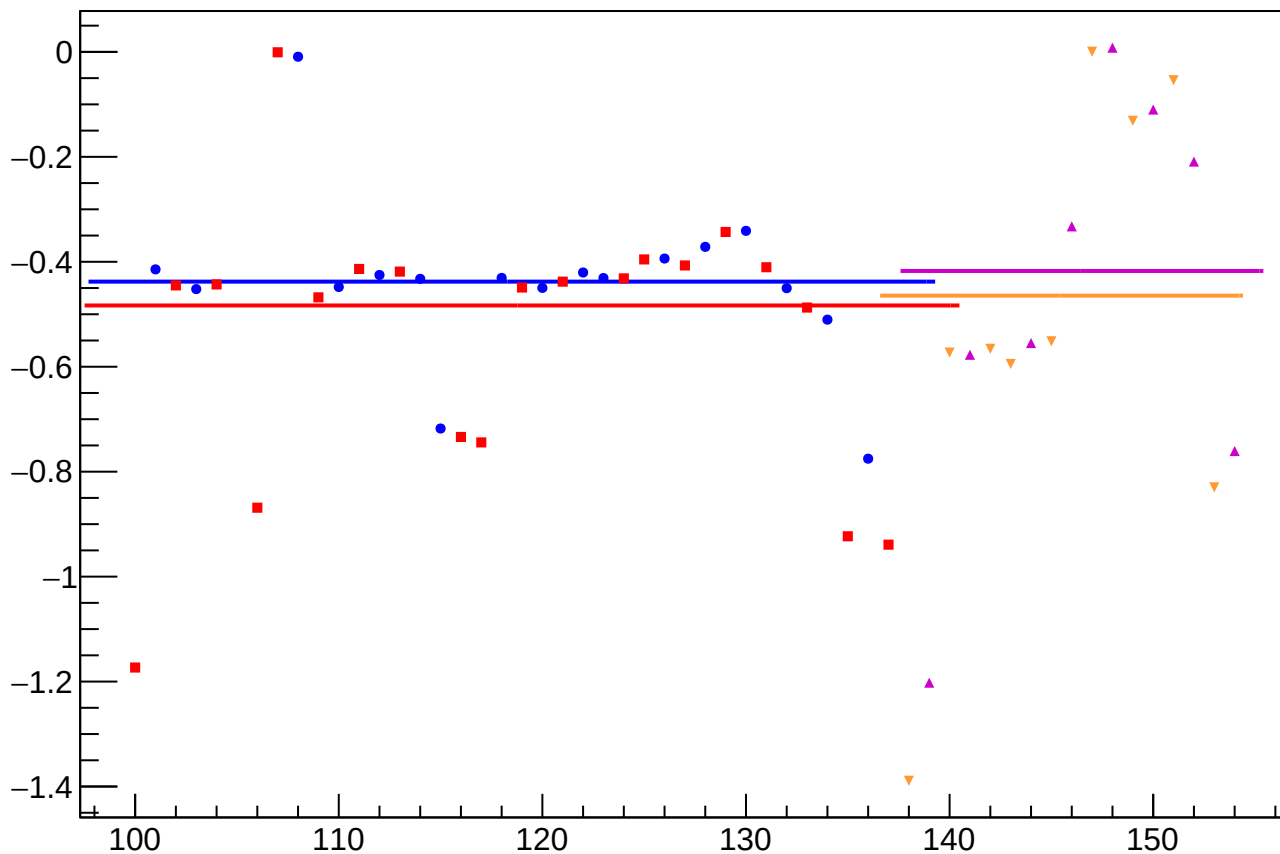
Left In: 0.003+/-0.000 χ^2/NDF :32032.0/7

0.003+/-0.000 χ^2/NDF : 219877.7/25

0.003+/-0.000 χ^2/NDF : 447269.4/53

0.003+/-0.000 χ^2/NDF : 226956.7/27

yield_bpm0l07X_mean vs Slug, Sign Corrected



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

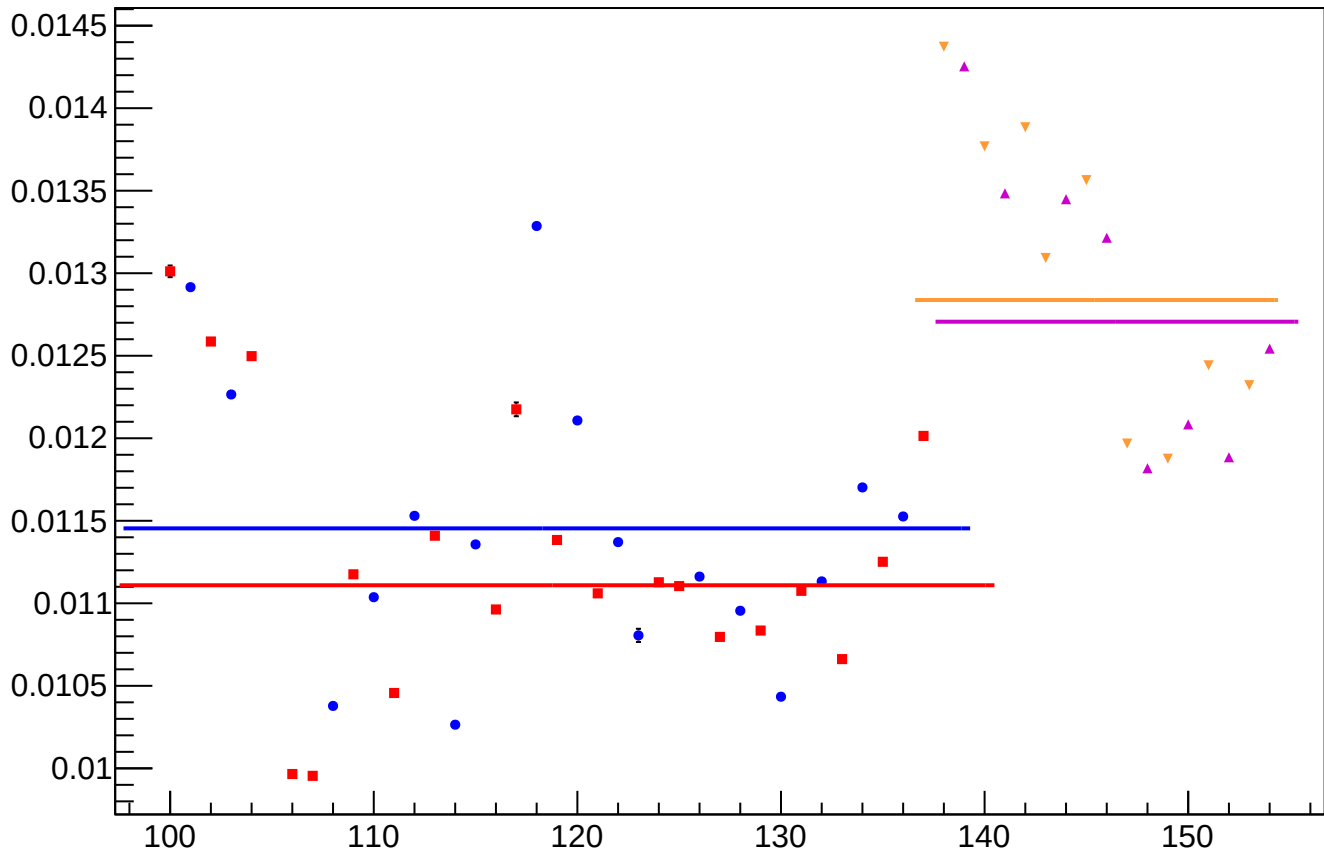
Left In: -0.417 ± 0.000 χ^2/NDF : 4594564735.5/7

-0.449 ± 0.000 χ^2/NDF : 7699557508.9/25

-0.453 ± 0.000 χ^2/NDF : 15109484925.5/5

-0.457 ± 0.000 χ^2/NDF : 7407482552.7/27

yield_bpm0l07X_rms vs Slug, Sign Corrected



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

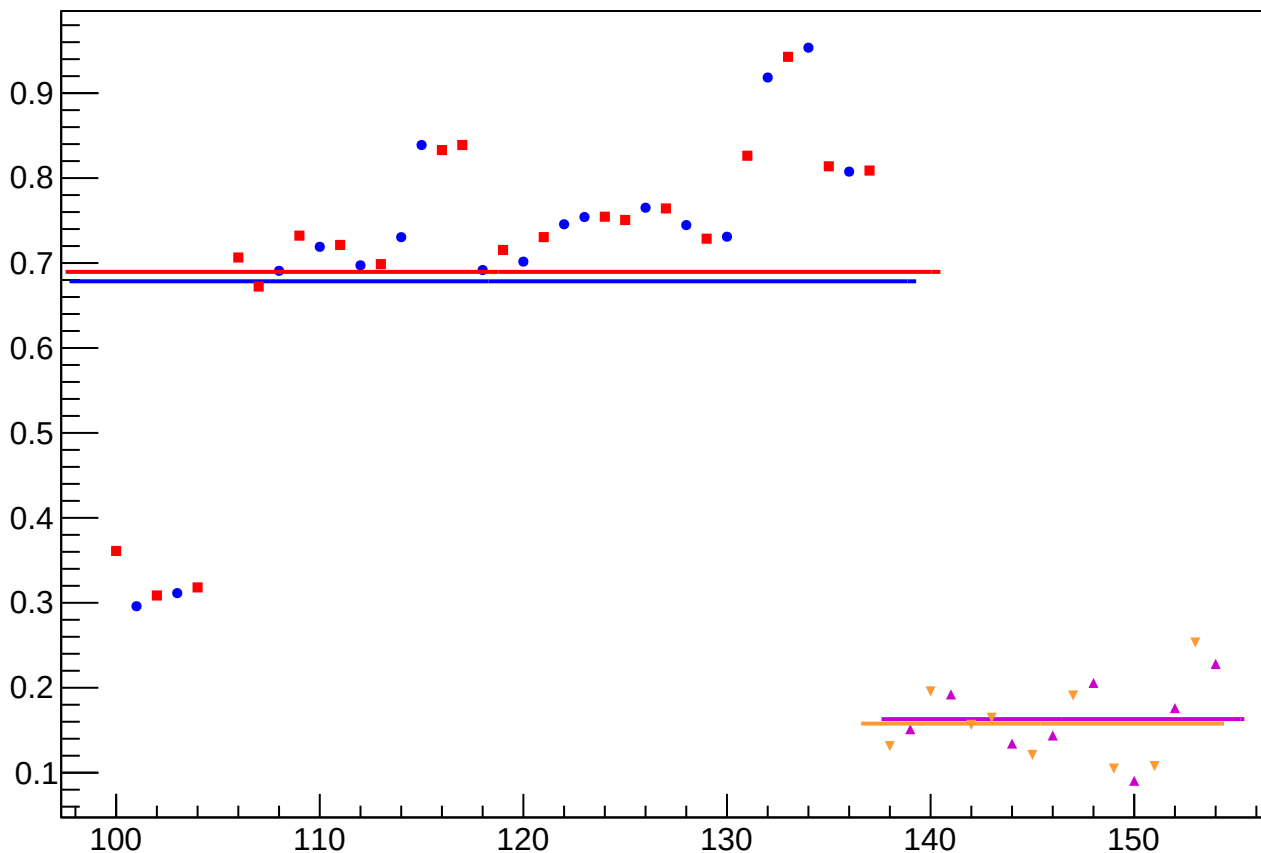
Left In: 0.013+/-0.000 χ^2/NDF : 48767.9/7

0.012+/-0.000 χ^2/NDF : 199906.3/25

0.012+/-0.000 χ^2/NDF : 429925.2/53

0.012+/-0.000 χ^2/NDF : 221964.7/27

yield_bpm0l07Y_mean vs Slug, Sign Corrected



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

Right Out: 0.690 $\pm$ 0.000 χ^2/NDF : 35439496983.3/19

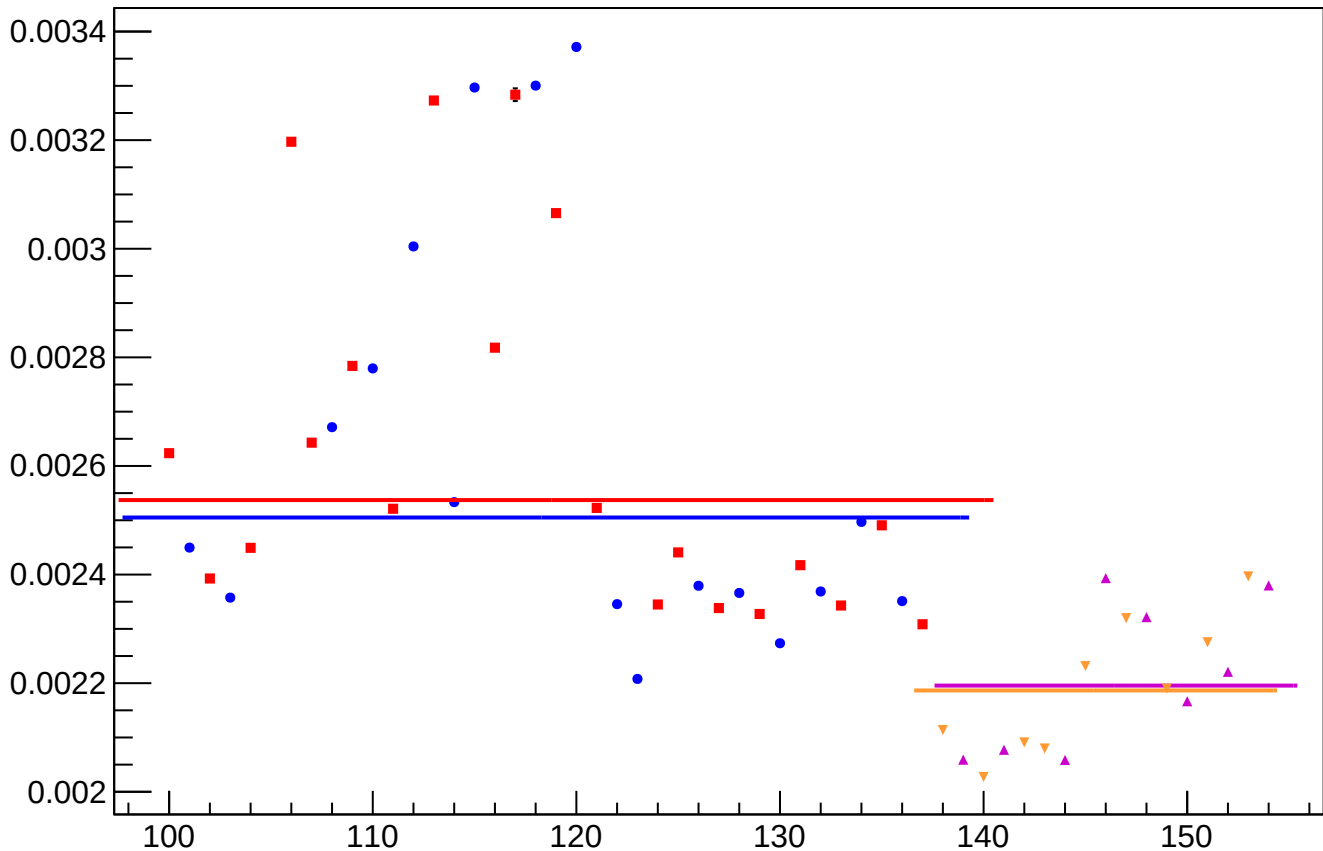
Left In: 0.163 $\pm$ 0.000 χ^2/NDF : 2290808655.2/7

0.381 $\pm$ 0.000 χ^2/NDF : 198384264129.3/25

0.388 $\pm$ 0.000 χ^2/NDF : 398955487786.4/27

0.394 $\pm$ 0.000 χ^2/NDF : 200368116864.3/27

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003 $\pm$ 0.000 χ^2/NDF : 175524.0/16

Left Out: 0.002 $\pm$ 0.000 χ^2/NDF : 36825.7/8

Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 135649.7/19

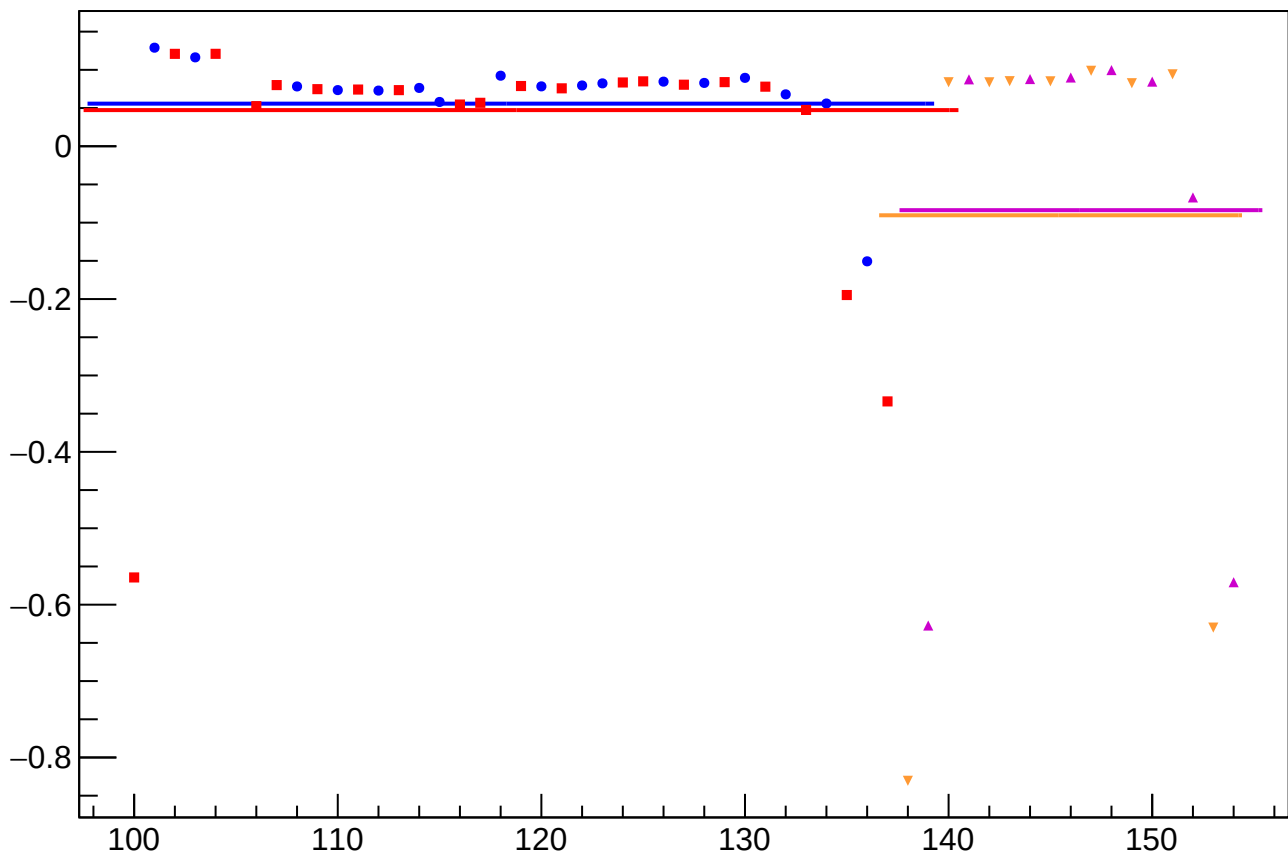
Left In: 0.002 $\pm$ 0.000 χ^2/NDF : 45042.0/7

0.002 $\pm$ 0.000 χ^2/NDF : 329864.1/25

0.002 $\pm$ 0.000 χ^2/NDF : 648676.8/53

0.002 $\pm$ 0.000 χ^2/NDF : 317628.2/27

yield_bpm0l08X_mean vs Slug, Sign Corrected



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

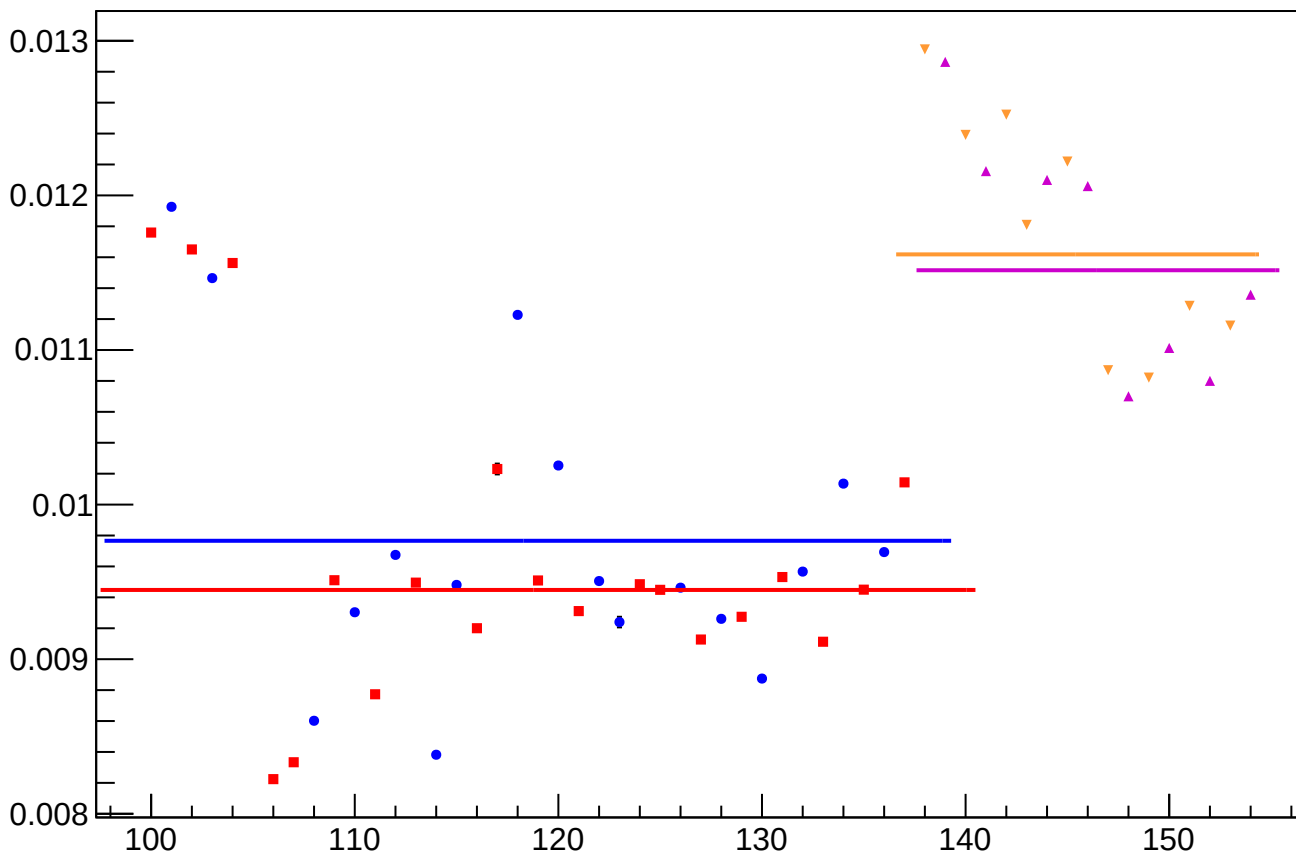
Left In: -0.084+/-0.000 χ^2/NDF : 3570096410.2/7

-0.003+/-0.000 χ^2/NDF : 6184954953.1/25

-0.003+/-0.000 χ^2/NDF : 11074881085.9/5

-0.002+/-0.000 χ^2/NDF : 4889761486.4/27

yield_bpm0l08X_rms vs Slug, Sign Corrected



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

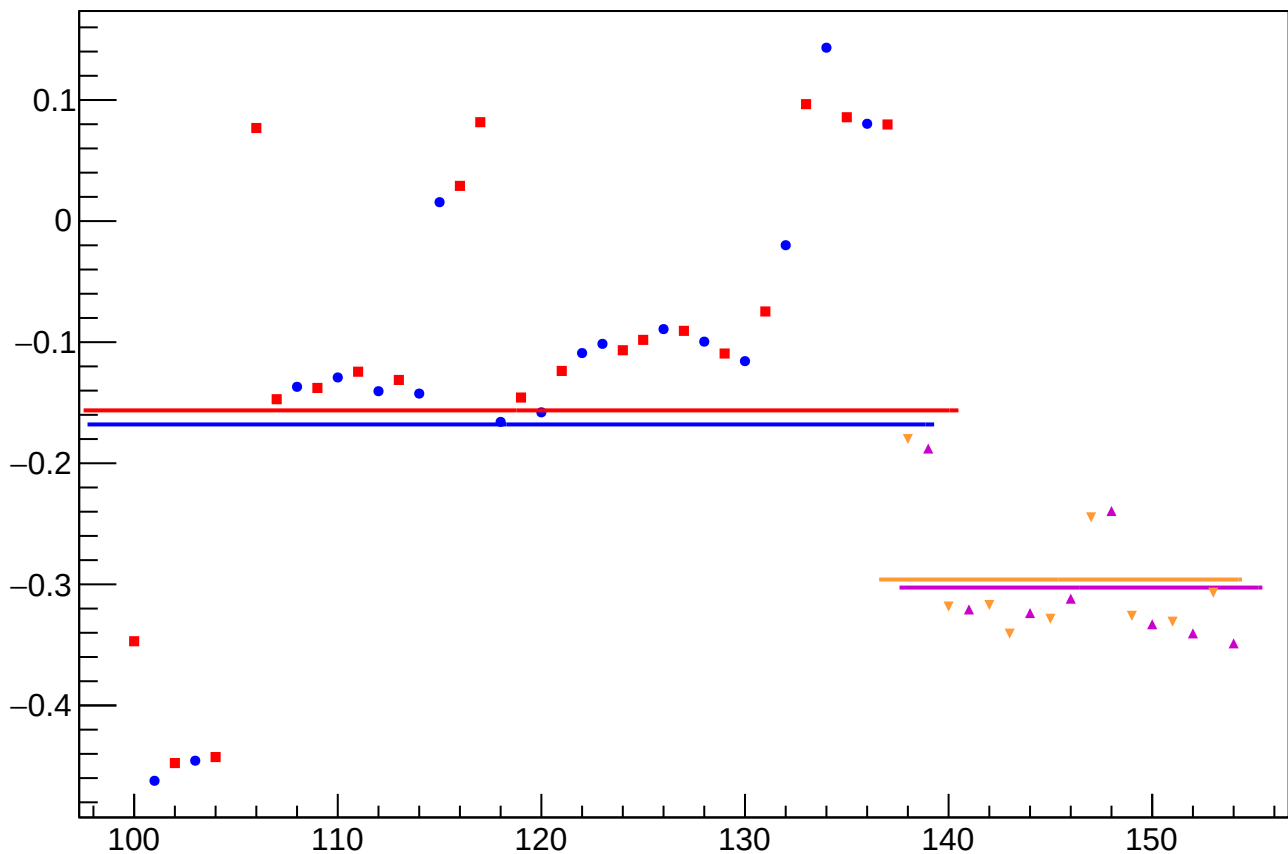
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 45263.8/7

0.011 $\pm$ 0.000 χ^2 /NDF: 351688.0/25

0.010 $\pm$ 0.000 χ^2 /NDF: 767757.8/53

0.010 $\pm$ 0.000 χ^2 /NDF: 405846.1/27

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.296+/-0.000 χ^2/NDF : 1938239074.6/8

-0.257+/-0.000 χ^2/NDF : 17834916701.9/25

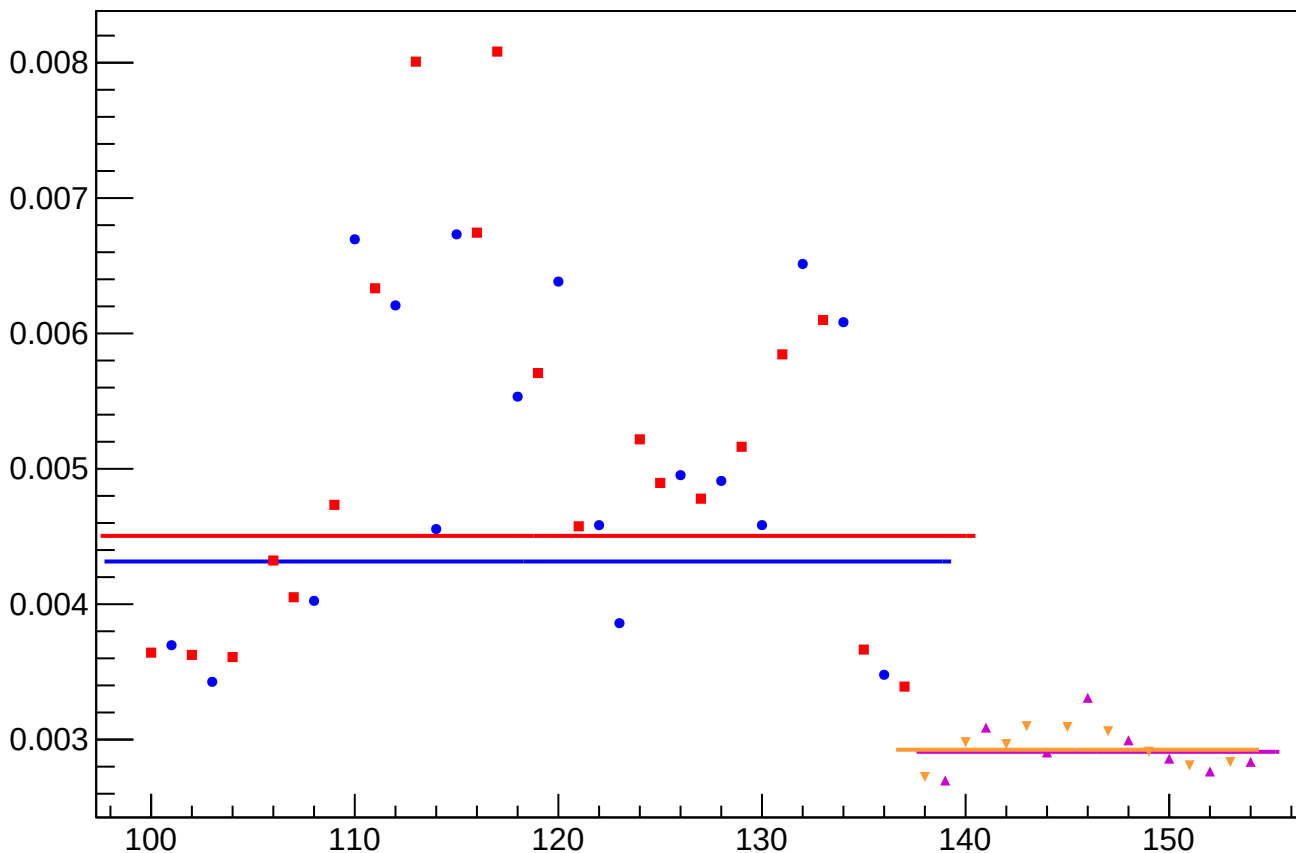
Right Out: -0.156+/-0.000 χ^2/NDF : 11061140252.3/19

-0.258+/-0.000 χ^2/NDF : 35595141531.2/5

-0.259+/-0.000 χ^2/NDF : 17758565750.2/27

Left In: -0.303+/-0.000 χ^2/NDF : 2069743808.9/7

yield_bpm0l08Y_rms vs Slug, Sign Corrected



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

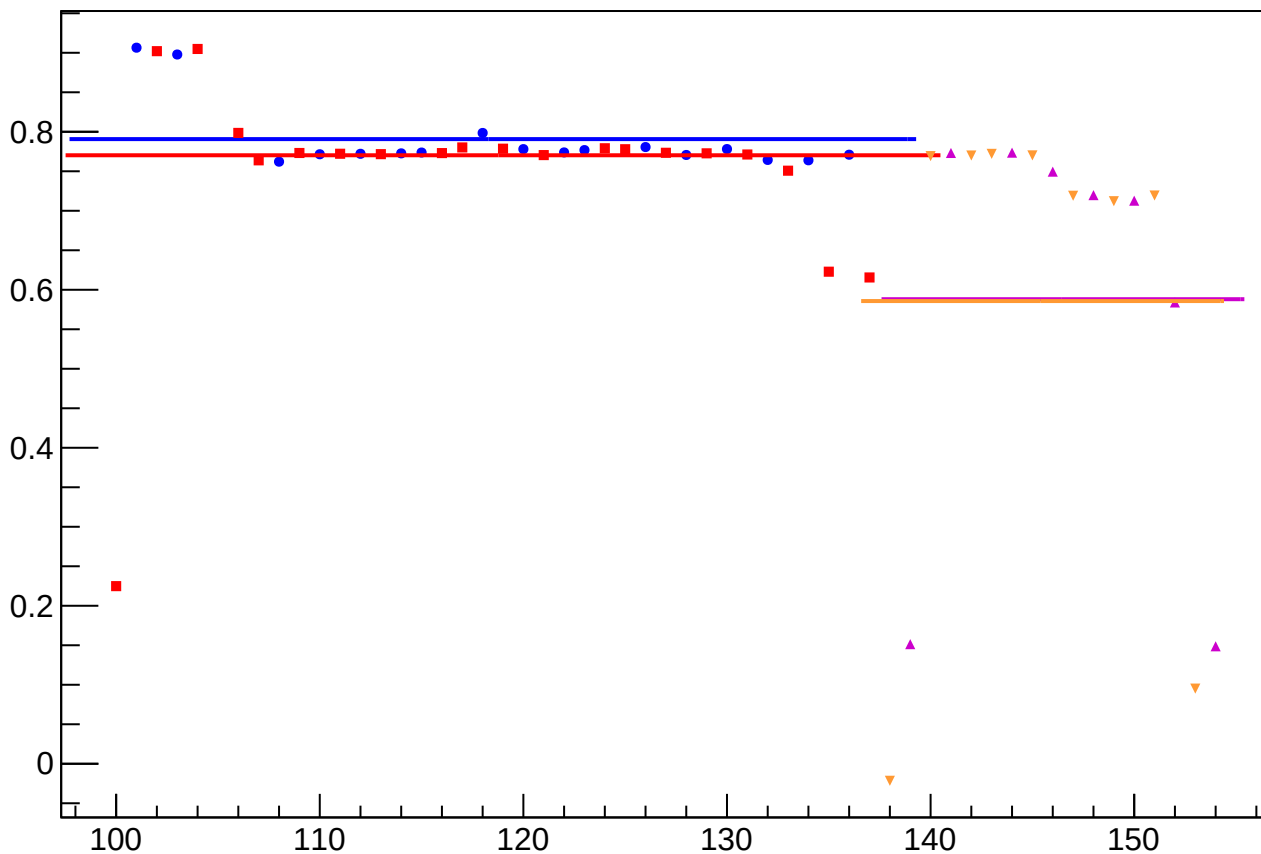
Left In: 0.003+/-0.000 χ^2/NDF :41154.9/7

0.003+/-0.000 χ^2/NDF : 1483193.3/25

0.003+/-0.000 χ^2/NDF : 3290807.9/53

0.003+/-0.000 χ^2/NDF : 1806029.9/27

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.791+/-0.000 χ^2/NDF : 106705767.1/16

Left Out: 0.586+/-0.000 χ^2/NDF : 4150180954.2/8

Right Out: 0.770+/-0.000 χ^2/NDF : 375473971.0/19

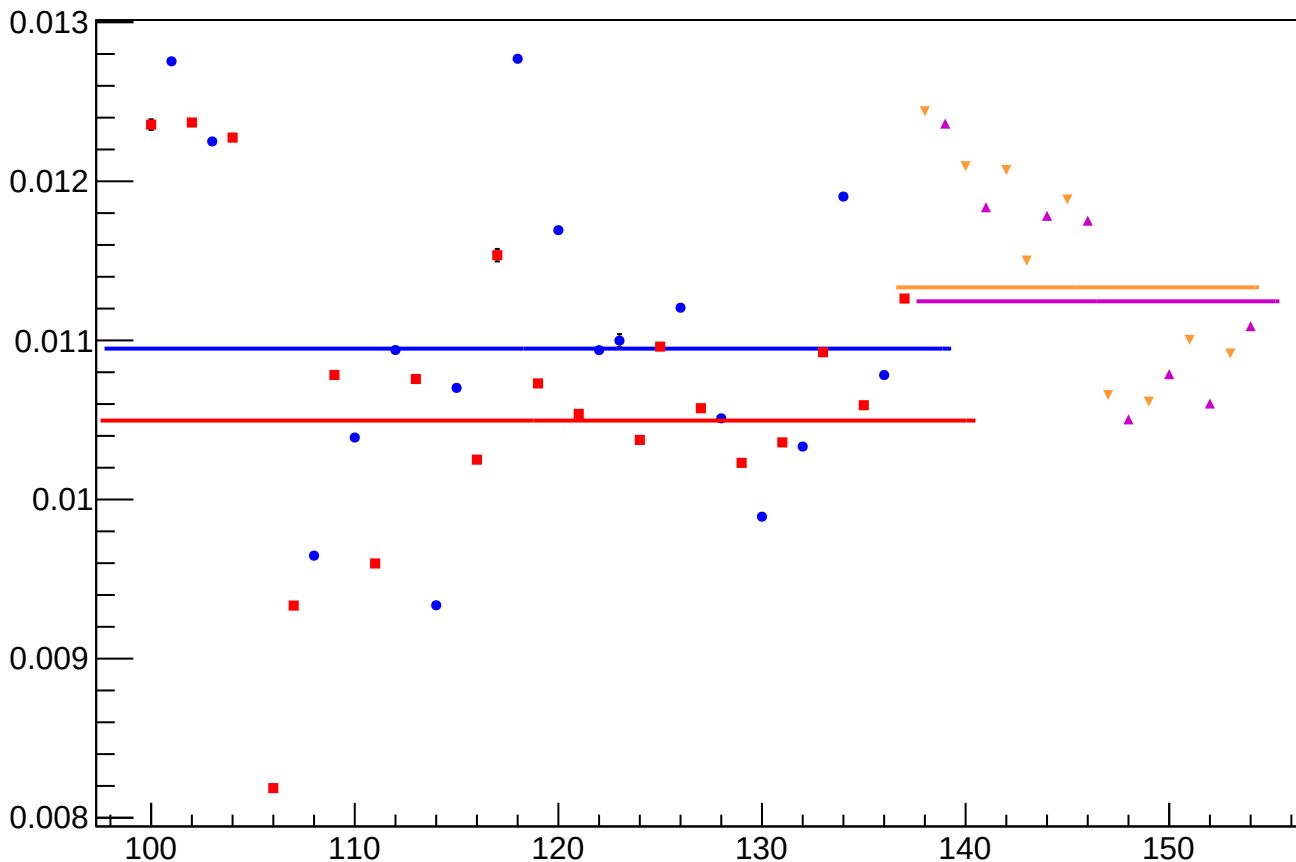
Left In: 0.588+/-0.000 χ^2/NDF : 2882737455.1/7

0.693+/-0.000 χ^2/NDF : 5330889302.7/25

0.692+/-0.000 χ^2/NDF : 9507730061.8/53

0.690+/-0.000 χ^2/NDF : 4176366890.3/27

yield_bpm0l09X_rms vs Slug, Sign Corrected



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

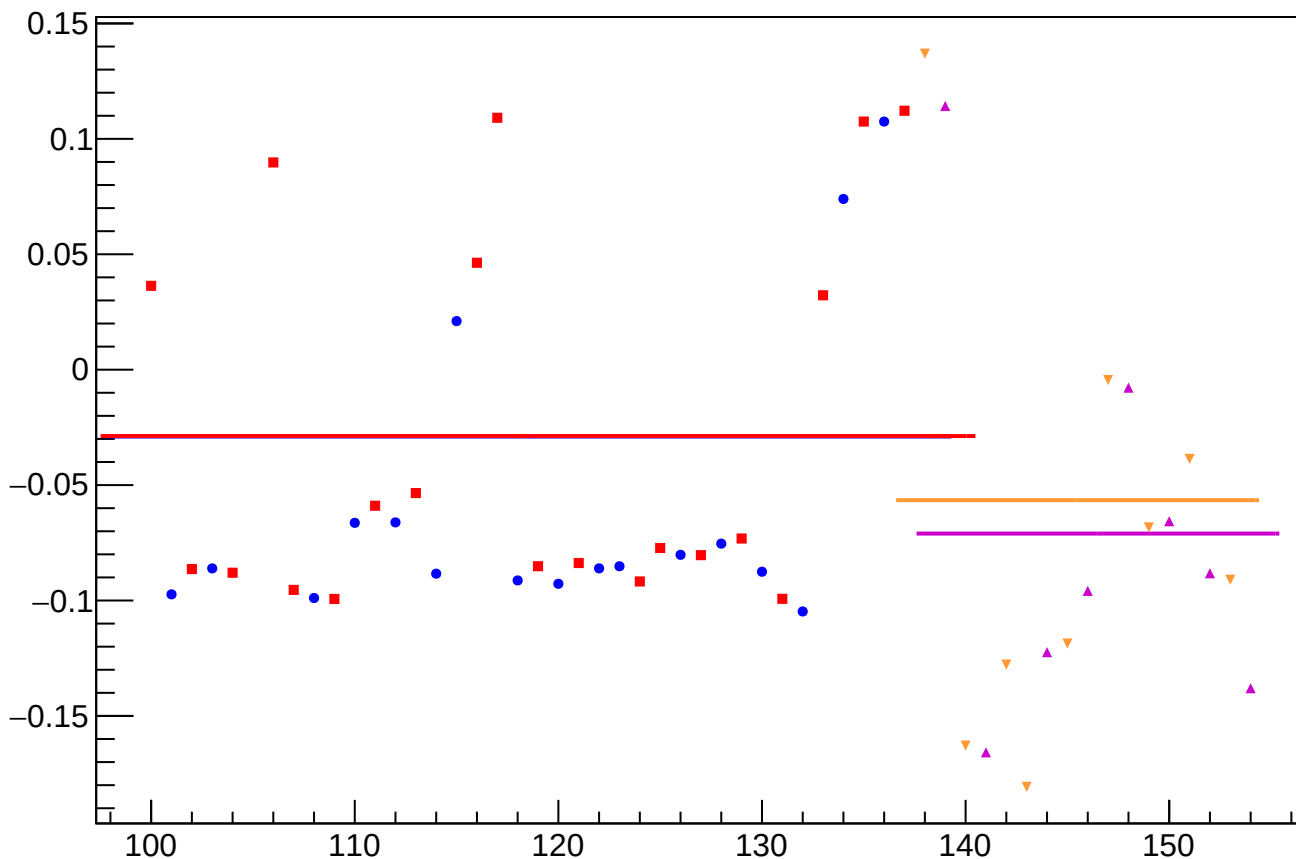
Left In: 0.011+/-0.000 χ^2/NDF : 37853.6/7

0.011+/-0.000 χ^2/NDF : 146103.6/25

0.011+/-0.000 χ^2/NDF : 345198.9/53

0.011+/-0.000 χ^2/NDF : 189050.0/27

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.057+/-0.000 χ^2/NDF : 4883813434.0/8

Right Out: -0.029+/-0.000 χ^2/NDF : 2122918772.1/19

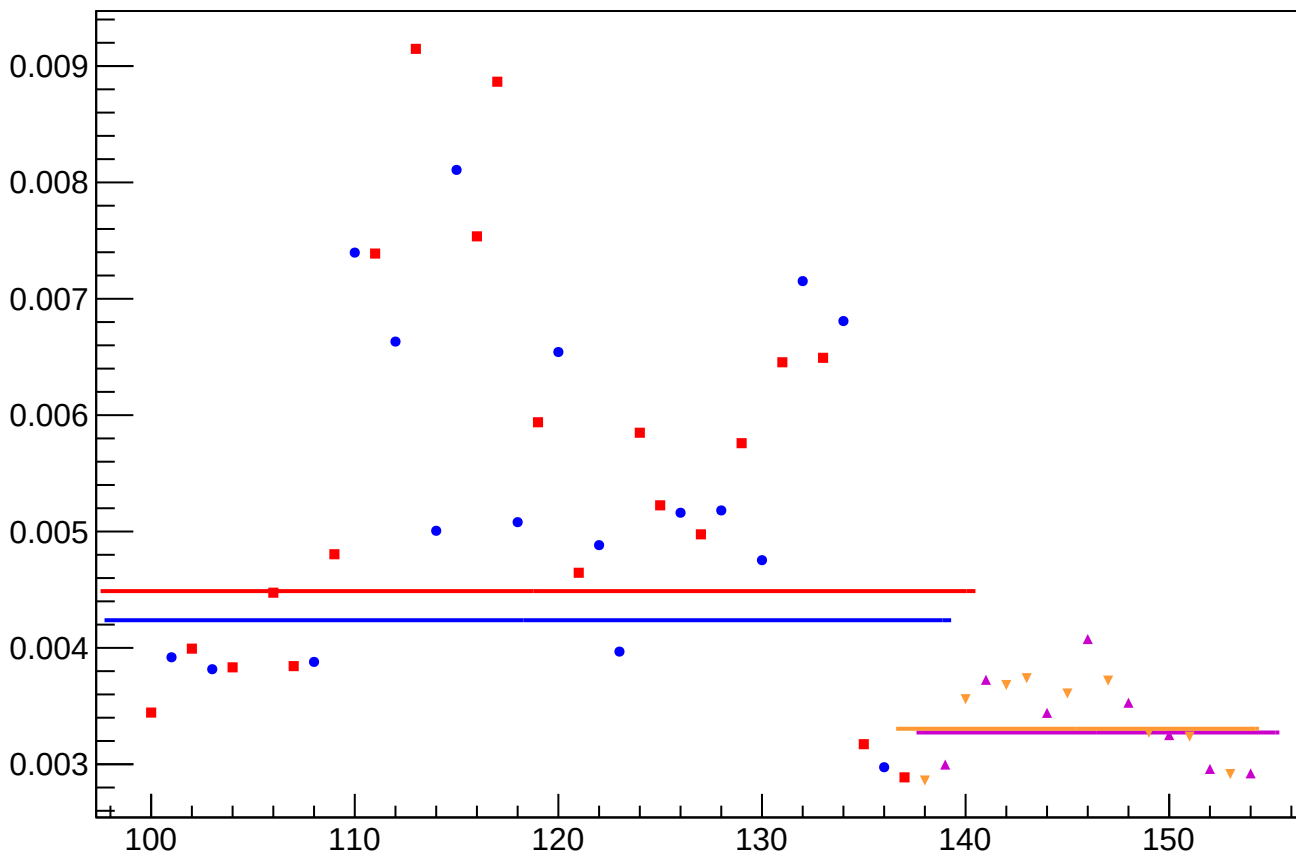
Left In: -0.071+/-0.000 χ^2/NDF : 3825143459.1/7

-0.047+/-0.000 χ^2/NDF : 7478256747.1/25

-0.051+/-0.000 χ^2/NDF : 13807132594.4/5

-0.056+/-0.000 χ^2/NDF : 6288443965.3/27

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 881584.1/16

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF : 118653.5/8

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 1003473.4/19

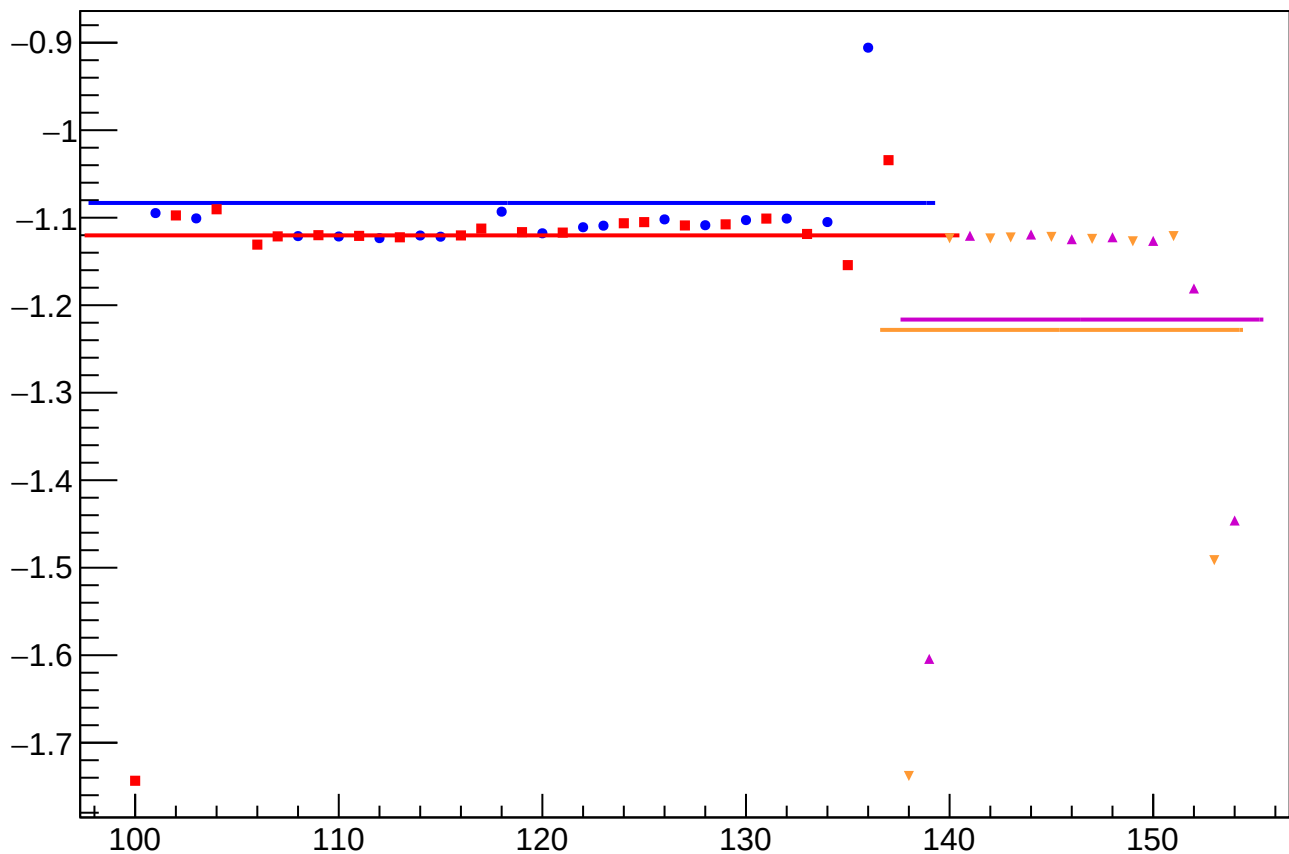
Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 137590.4/7

0.004 $\pm$ 0.000 χ^2/NDF : 1339193.7/25

0.004 $\pm$ 0.000 χ^2/NDF : 3045757.8/53

0.004 $\pm$ 0.000 χ^2/NDF : 1704266.6/27

yield_bpm0l10X_mean vs Slug, Sign Corrected



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

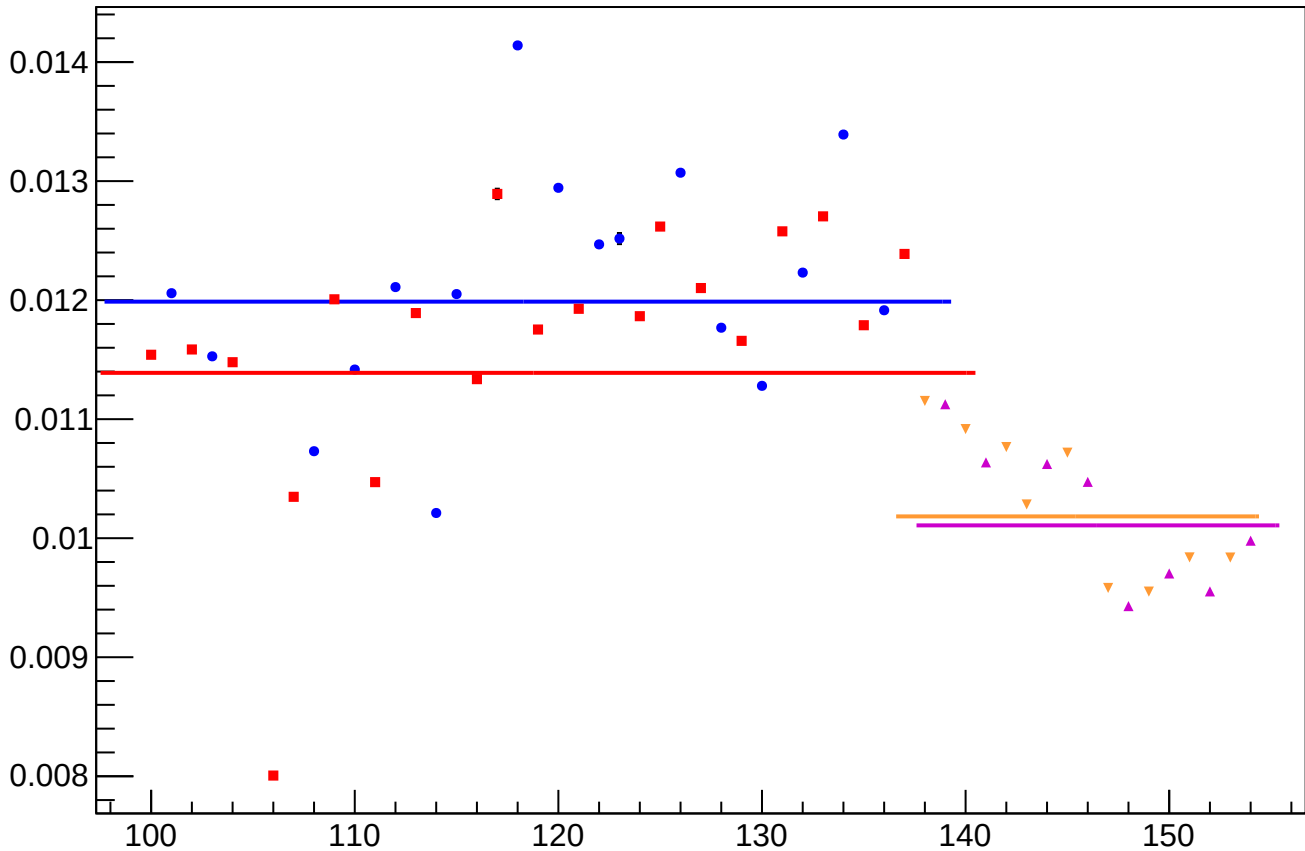
Left In: -1.216+/-0.000 χ^2/NDF : 1592184108.7/7

-1.167+/-0.000 χ^2/NDF : 3254353931.7/25

-1.169+/-0.000 χ^2/NDF : 5332267245.3/53

-1.172+/-0.000 χ^2/NDF : 2076448639.9/27

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 60402.0/16

Left Out: 0.010+/-0.000 χ^2/NDF : 39945.3/8

Right Out: 0.011+/-0.000 χ^2/NDF : 155700.3/19

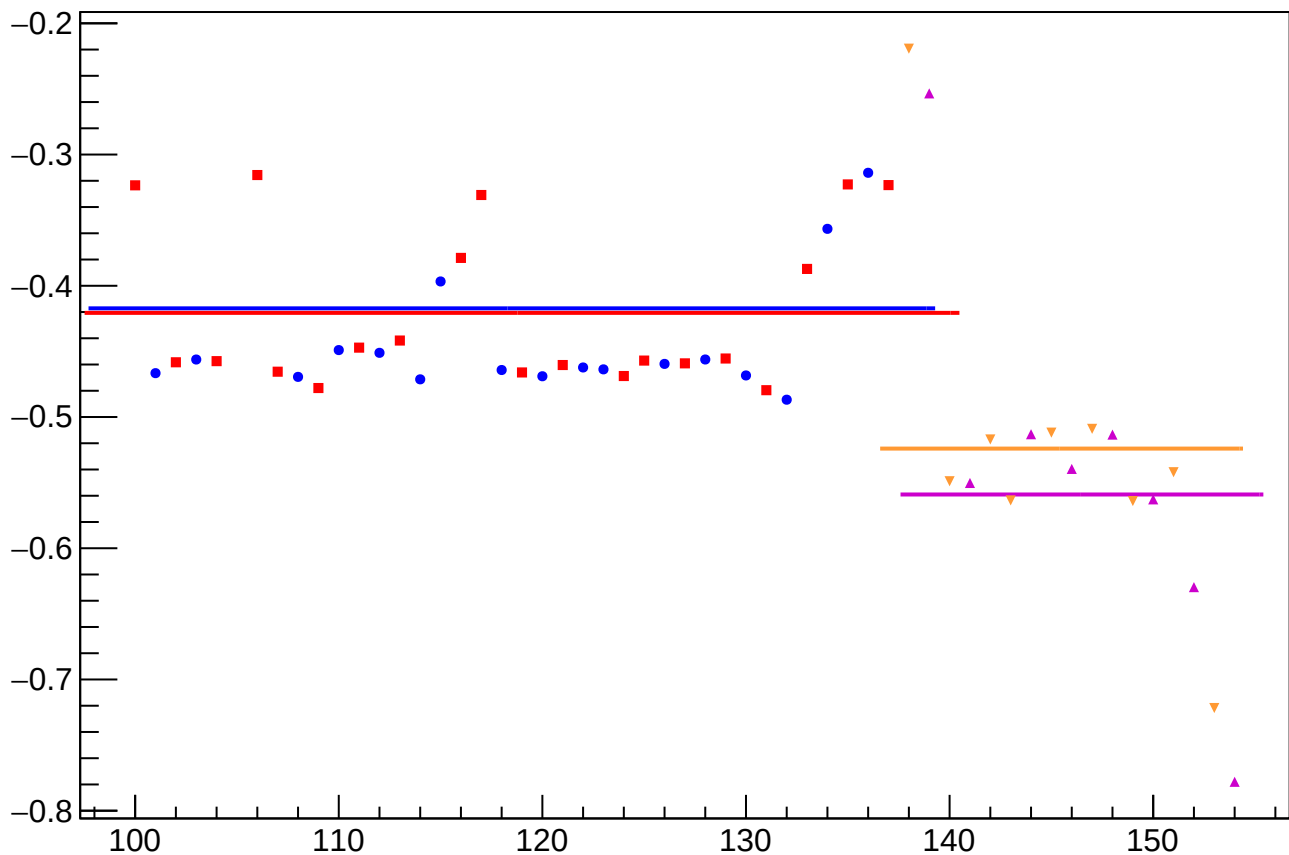
Left In: 0.010+/-0.000 χ^2/NDF : 37492.5/7

0.011+/-0.000 χ^2/NDF : 268194.2/25

0.011+/-0.000 χ^2/NDF : 561630.6/53

0.011+/-0.000 χ^2/NDF : 286730.4/27

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.417 $\pm$ 0.000 χ^2 /NDF: 2039045143.8/16

Left Out: -0.524 $\pm$ 0.000 χ^2 /NDF: 8644100254.7/8

Right Out: -0.421 $\pm$ 0.000 χ^2 /NDF: 1652792044.5/19

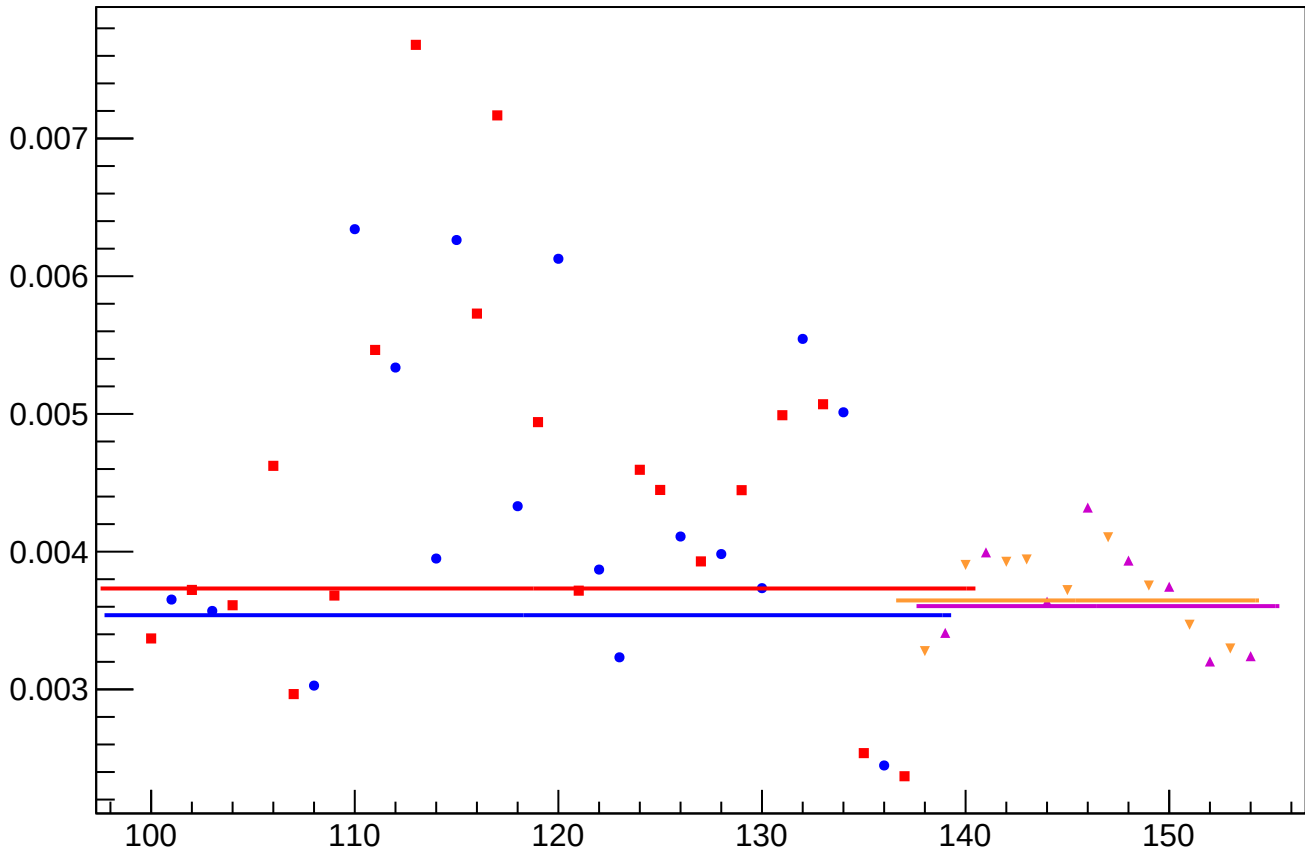
Left In: -0.559 $\pm$ 0.000 χ^2 /NDF: 9417291449.6/7

-0.471 $\pm$ 0.000 χ^2 /NDF: 13191074968.3/25

-0.482 $\pm$ 0.000 χ^2 /NDF: 28637375851.7/5

-0.492 $\pm$ 0.000 χ^2 /NDF: 15254110091.2/27

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 836154.0/16

Left Out: 0.004 $\pm$ 0.000 χ^2/NDF : 73822.5/8

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 916963.6/19

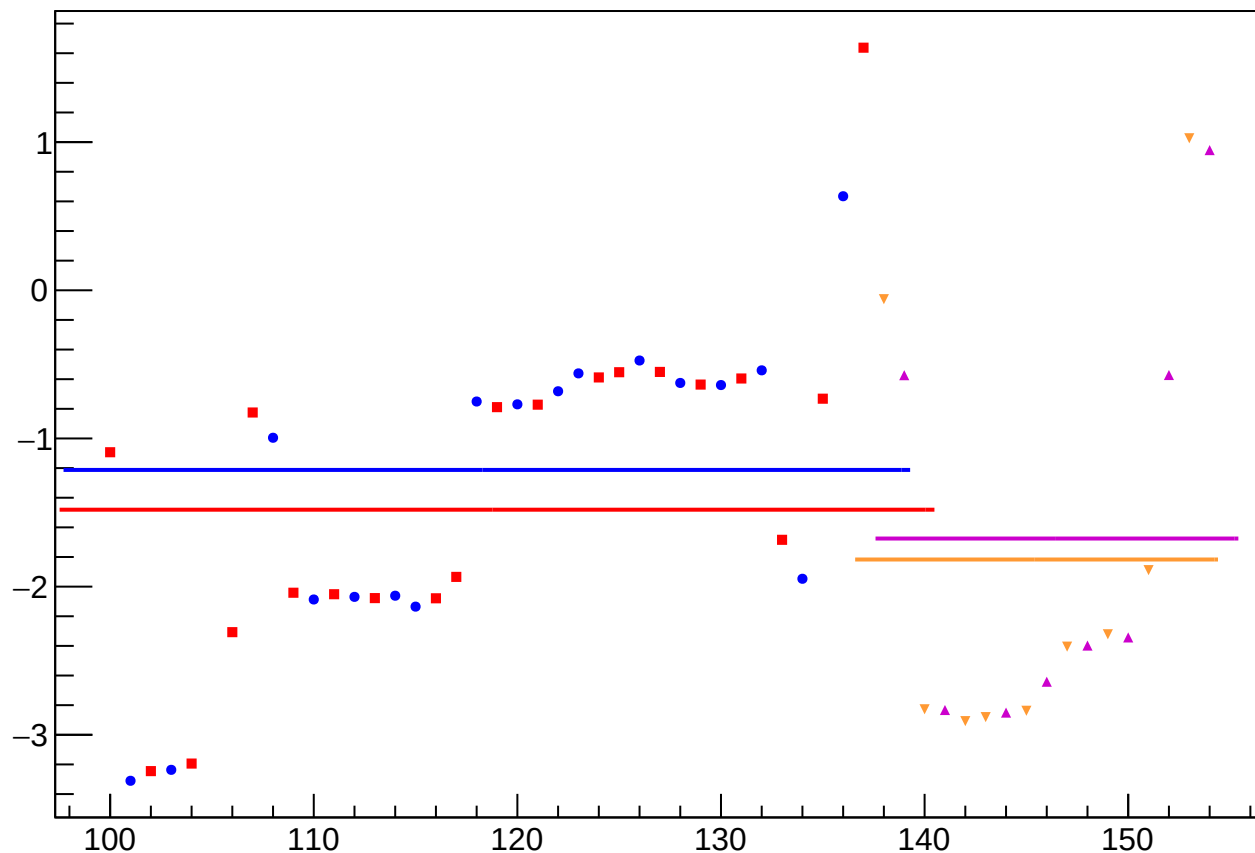
Left In: 0.004 $\pm$ 0.000 χ^2/NDF : 112365.6/7

0.004 $\pm$ 0.000 χ^2/NDF : 915017.0/25

0.004 $\pm$ 0.000 χ^2/NDF : 1956251.1/53

0.004 $\pm$ 0.000 χ^2/NDF : 1036480.9/27

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.212 $\pm$ 0.000 χ^2/NDF : 1992853443.9/16

Left Out: -1.817 $\pm$ 0.000 χ^2/NDF : 2087069652.4/8

Right Out: -1.481 $\pm$ 0.000 χ^2/NDF : 1579722113.8/19

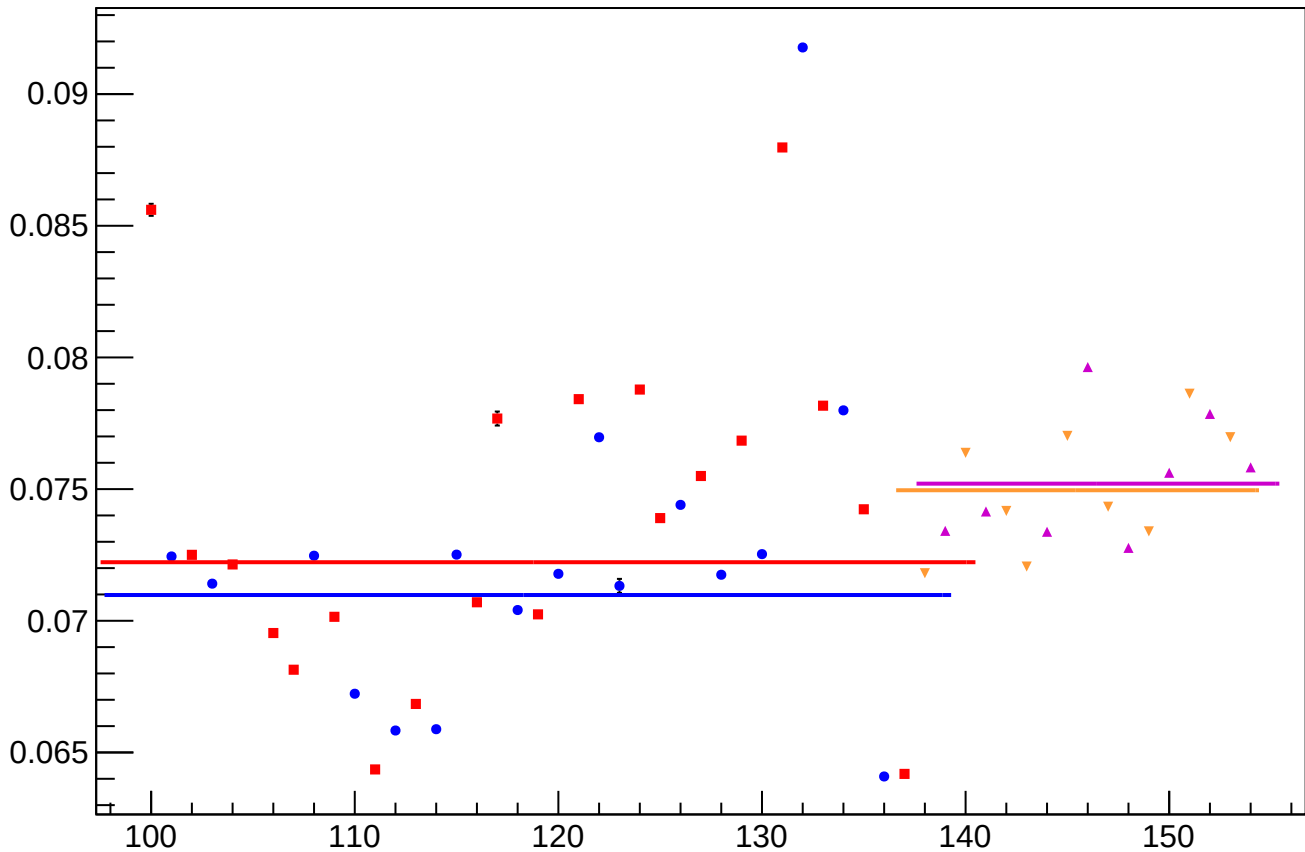
Left In: -1.675 $\pm$ 0.000 χ^2/NDF : 1985935096.4/7

-1.494 $\pm$ 0.000 χ^2/NDF : 4301870935.3/25

-1.532 $\pm$ 0.000 χ^2/NDF : 7897680076.4/53

-1.569 $\pm$ 0.000 χ^2/NDF : 3588805447.5/27

yield_bpm0r03X_rms vs Slug, Sign Corrected



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

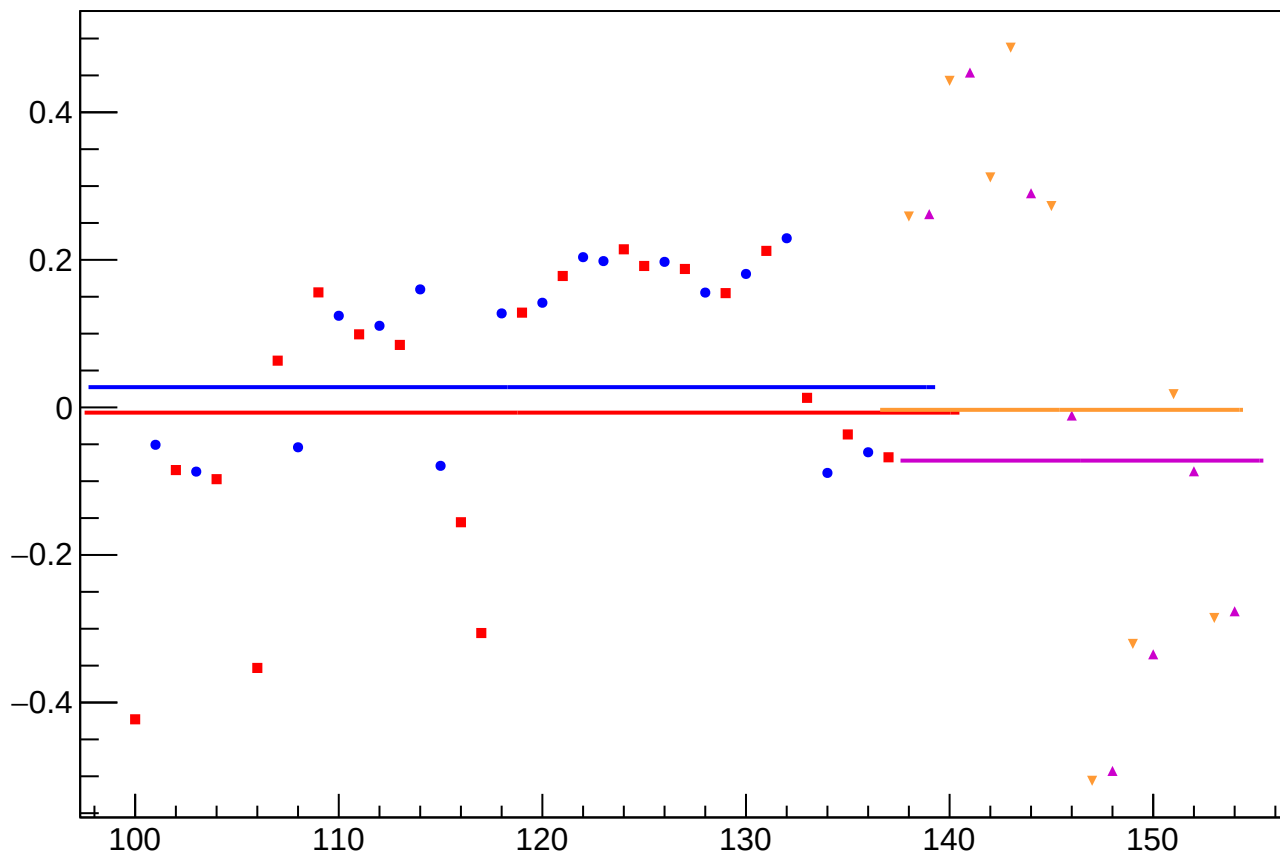
Left In: 0.075+/-0.000 χ^2/NDF : 10549.2/7

0.073+/-0.000 χ^2/NDF : 108678.2/25

0.073+/-0.000 χ^2/NDF : 205144.4/53

0.074+/-0.000 χ^2/NDF : 95079.5/27

yield_bpm0r03Y_mean vs Slug, Sign Corrected



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

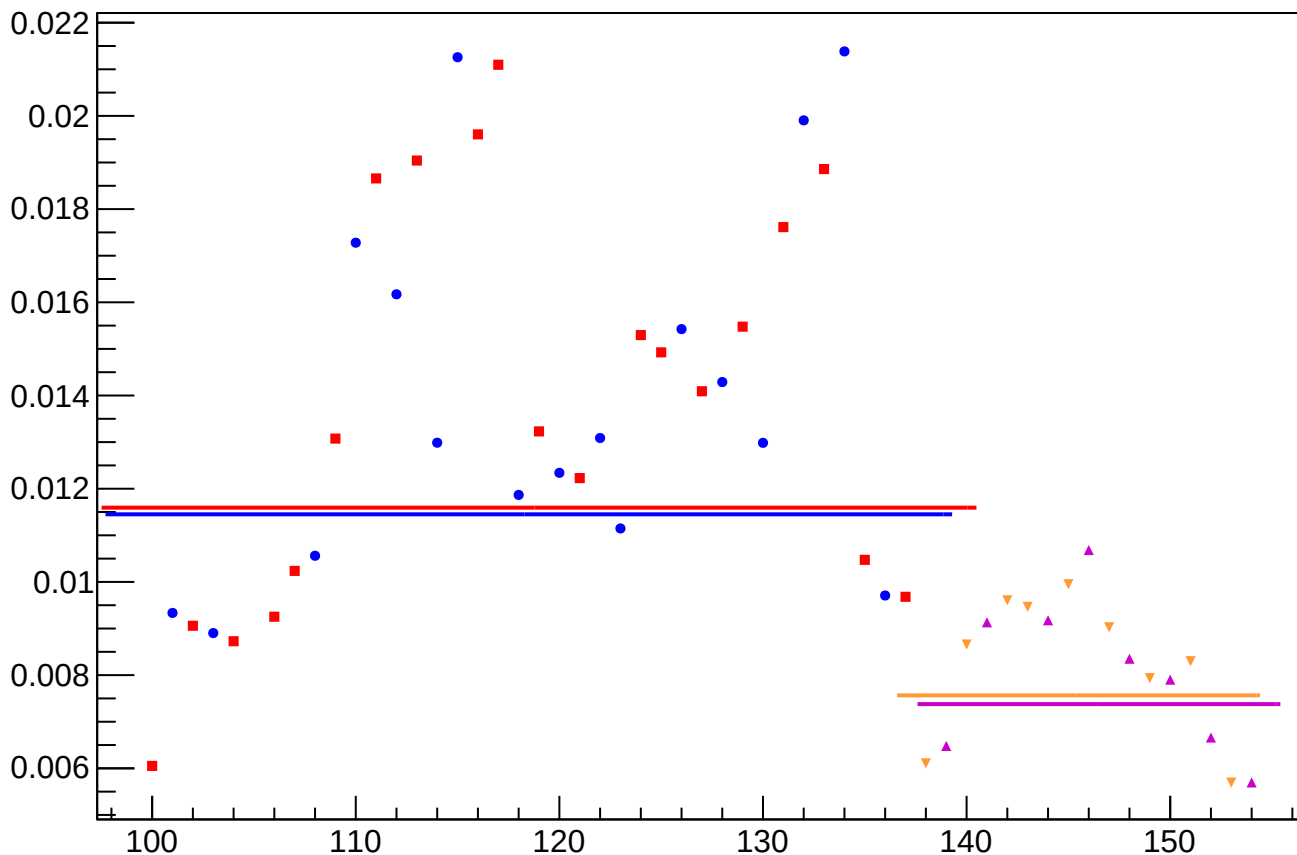
Left In: -0.072+/-0.000 χ^2/NDF : 9287502199.1/7

0.006+/-0.000 χ^2/NDF : 11478278919.0/25

-0.024+/-0.000 χ^2/NDF : 22361127106.8/5

-0.053+/-0.000 χ^2/NDF : 10626734625.5/27

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.011 $\pm$ 0.000 χ^2/NDF : 679628.0/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 479490.0/8

Right Out: 0.012 $\pm$ 0.000 χ^2/NDF : 1012799.2/19

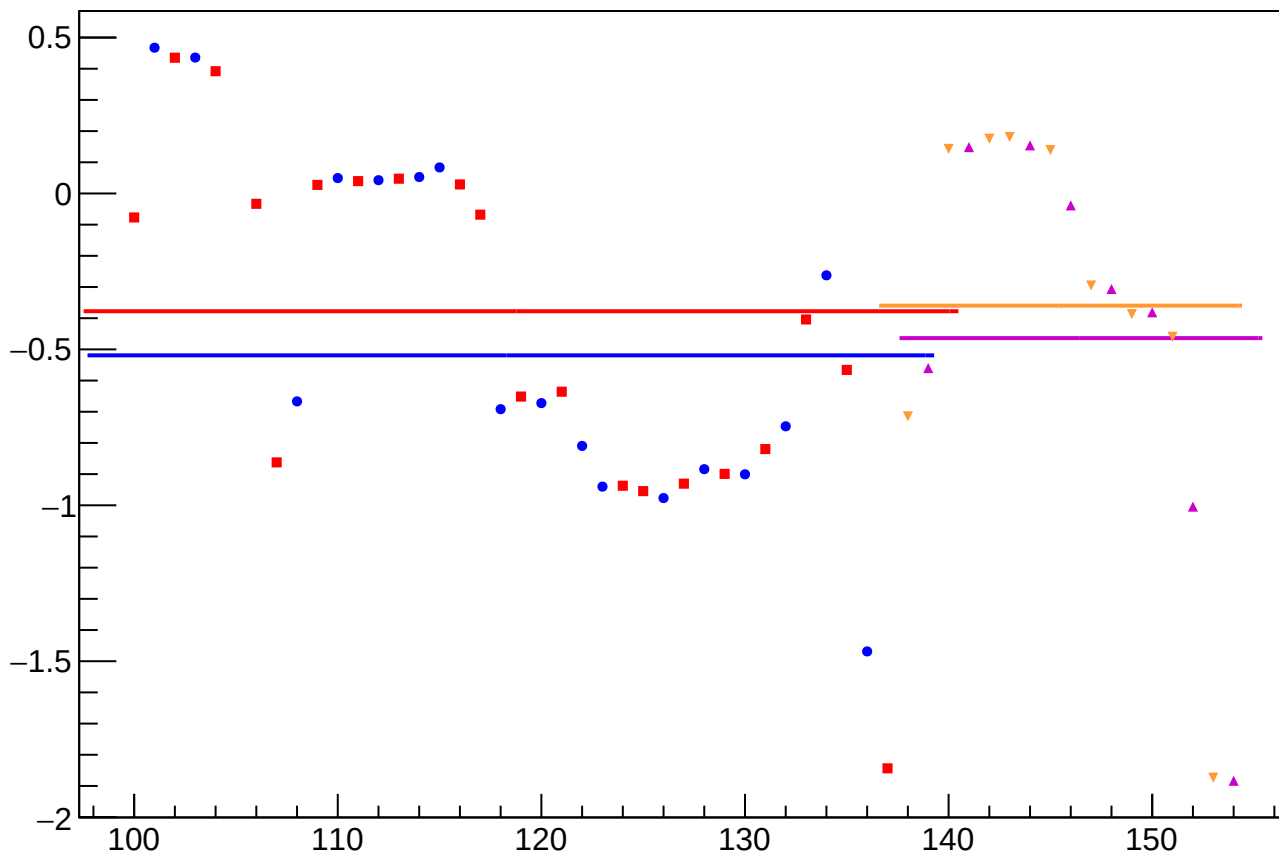
Left In: 0.007 $\pm$ 0.000 χ^2/NDF : 455513.0/7

0.009 $\pm$ 0.000 χ^2/NDF : 2079998.5/25

0.009 $\pm$ 0.000 χ^2/NDF : 4662230.3/53

0.009 $\pm$ 0.000 χ^2/NDF : 2579938.8/27

yield_bpm0r05X_mean vs Slug, Sign Corrected



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

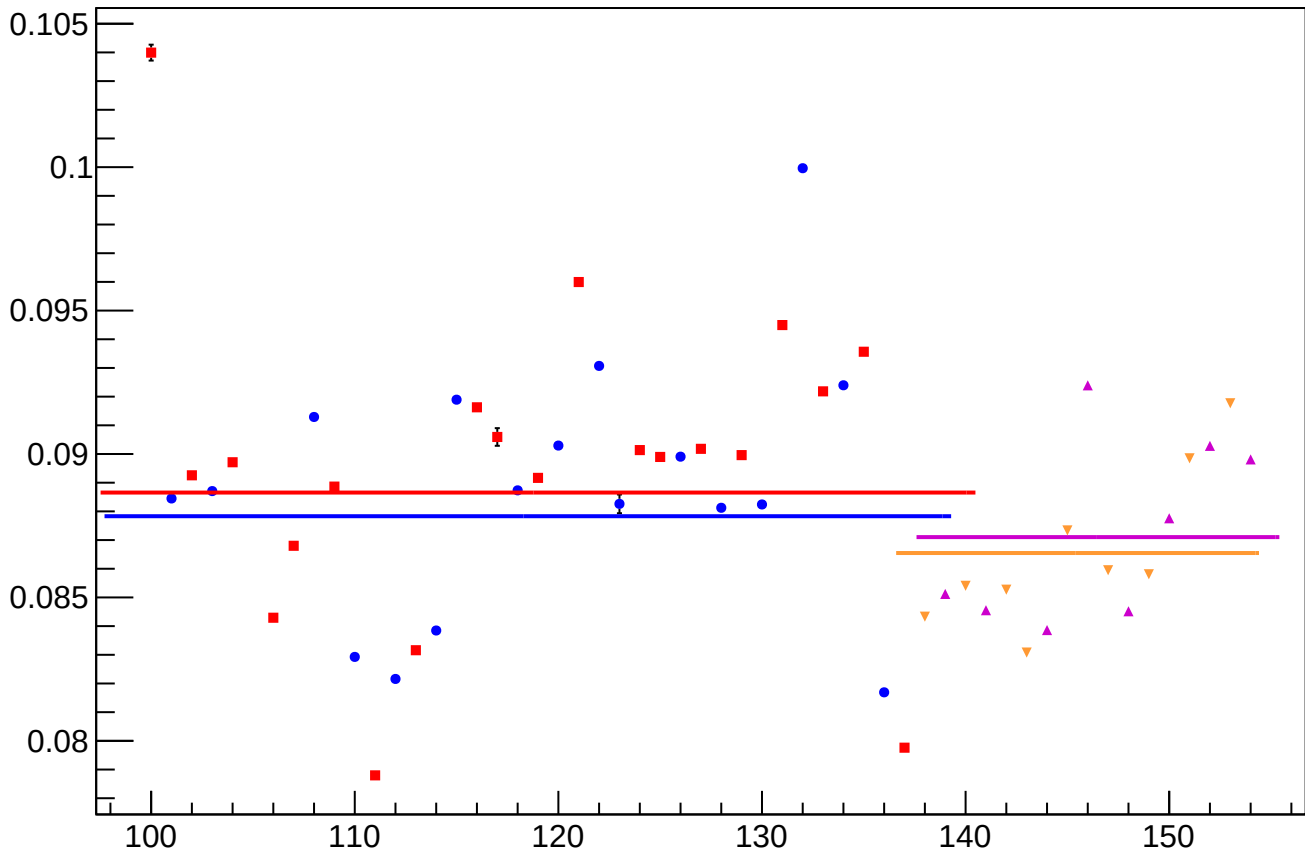
Left In: -0.464+/-0.000 χ^2/NDF : 351174533.0/7

-0.439+/-0.000 χ^2/NDF : 676074616.2/25

-0.429+/-0.000 χ^2/NDF : 1299995576.2/53

-0.419+/-0.000 χ^2/NDF : 623574230.1/27

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.088 $\pm$ 0.000 χ^2 /NDF: 34954.4/16

Left Out: 0.087 $\pm$ 0.000 χ^2 /NDF:11365.5/8

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 39762.8/19

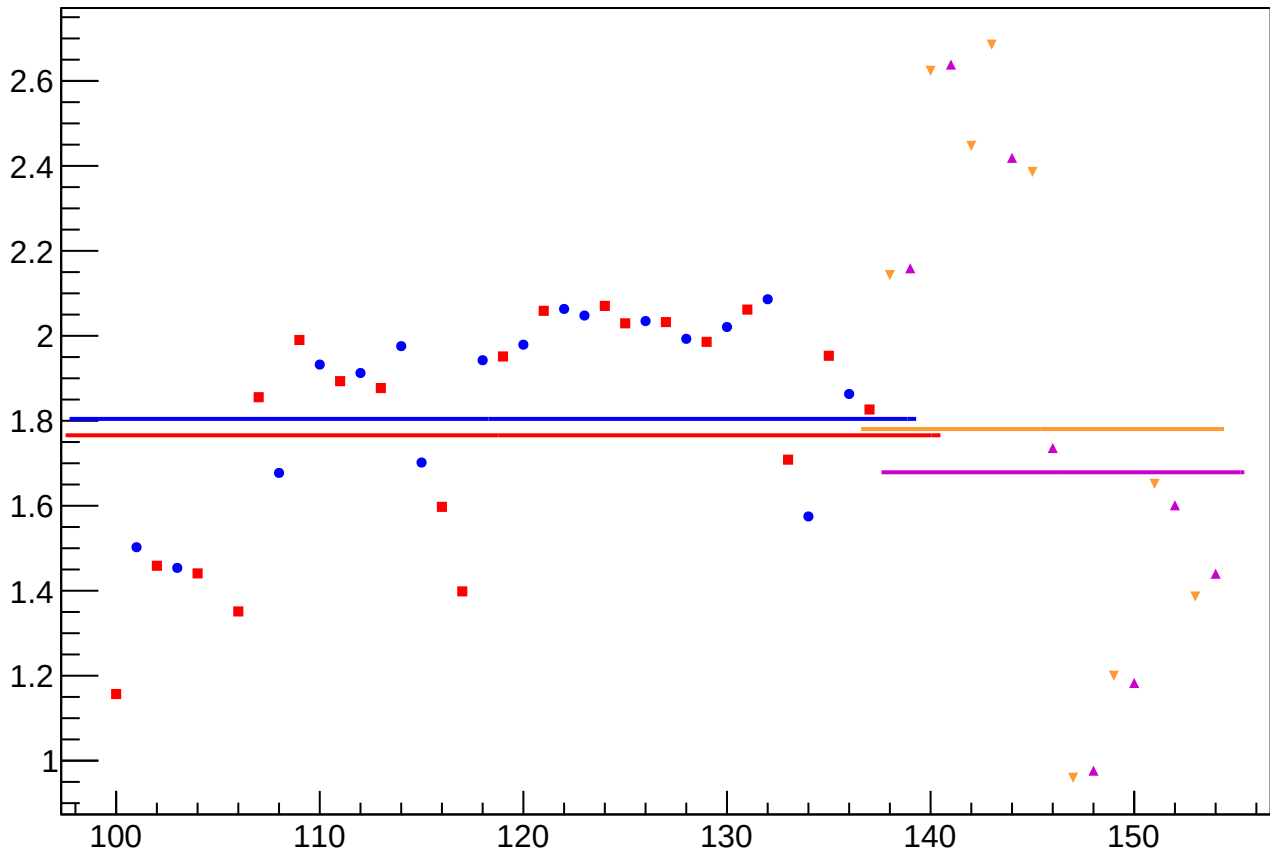
Left In: 0.087 $\pm$ 0.000 χ^2 /NDF:15123.3/7

0.087 $\pm$ 0.000 χ^2 /NDF: 47748.9/25

0.088 $\pm$ 0.000 χ^2 /NDF: 105650.9/53

0.088 $\pm$ 0.000 χ^2 /NDF: 57008.2/27

yield_bpm0r05Y_mean vs Slug, Sign Corrected



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

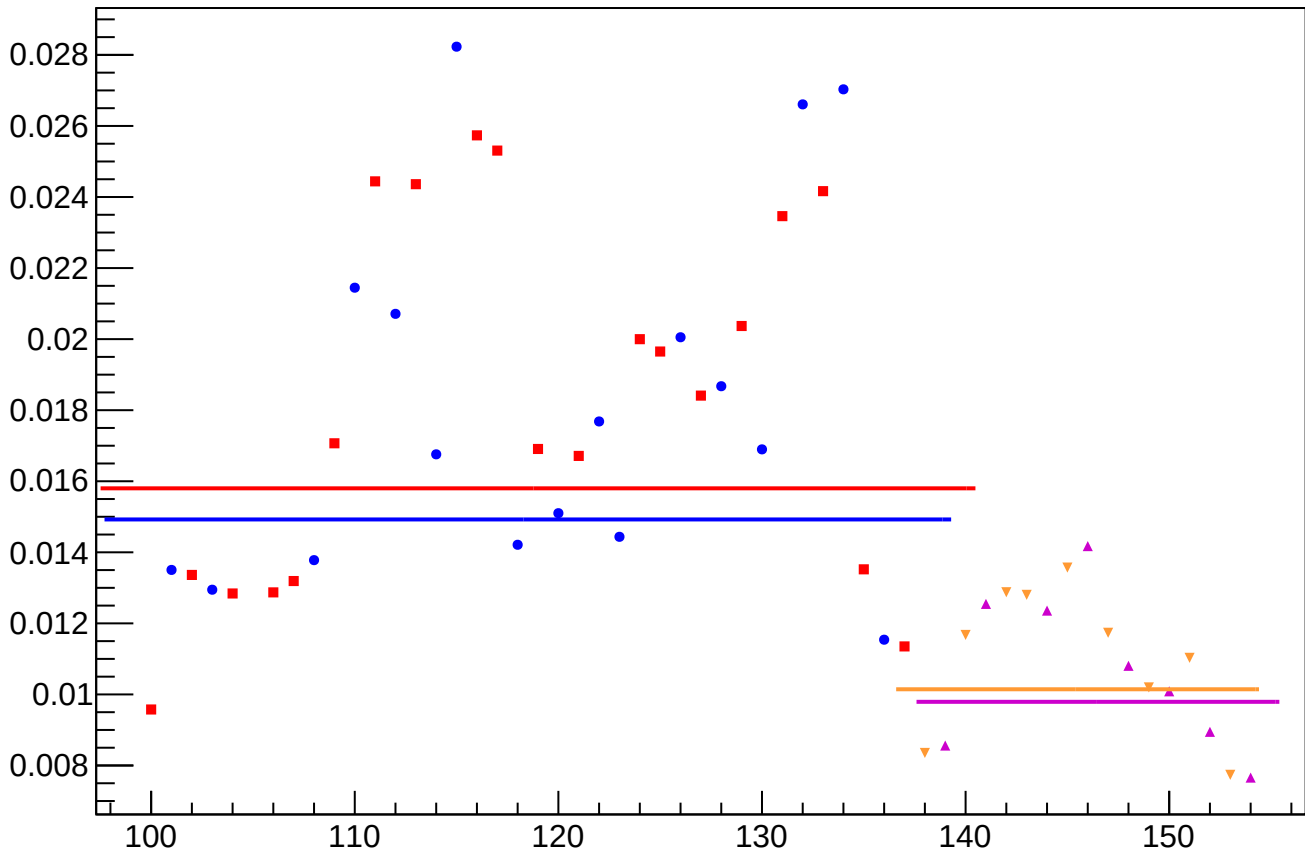
Left In: 1.679 $\pm$ 0.000 χ^2/NDF : 15296959953.6/7

1.788 $\pm$ 0.000 χ^2/NDF : 19455574933.8/25

1.745 $\pm$ 0.000 χ^2/NDF : 36899890063.0/5

1.704 $\pm$ 0.000 χ^2/NDF : 17145794836.9/27

yield_bpm0r05Y_rms vs Slug, Sign Corrected



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

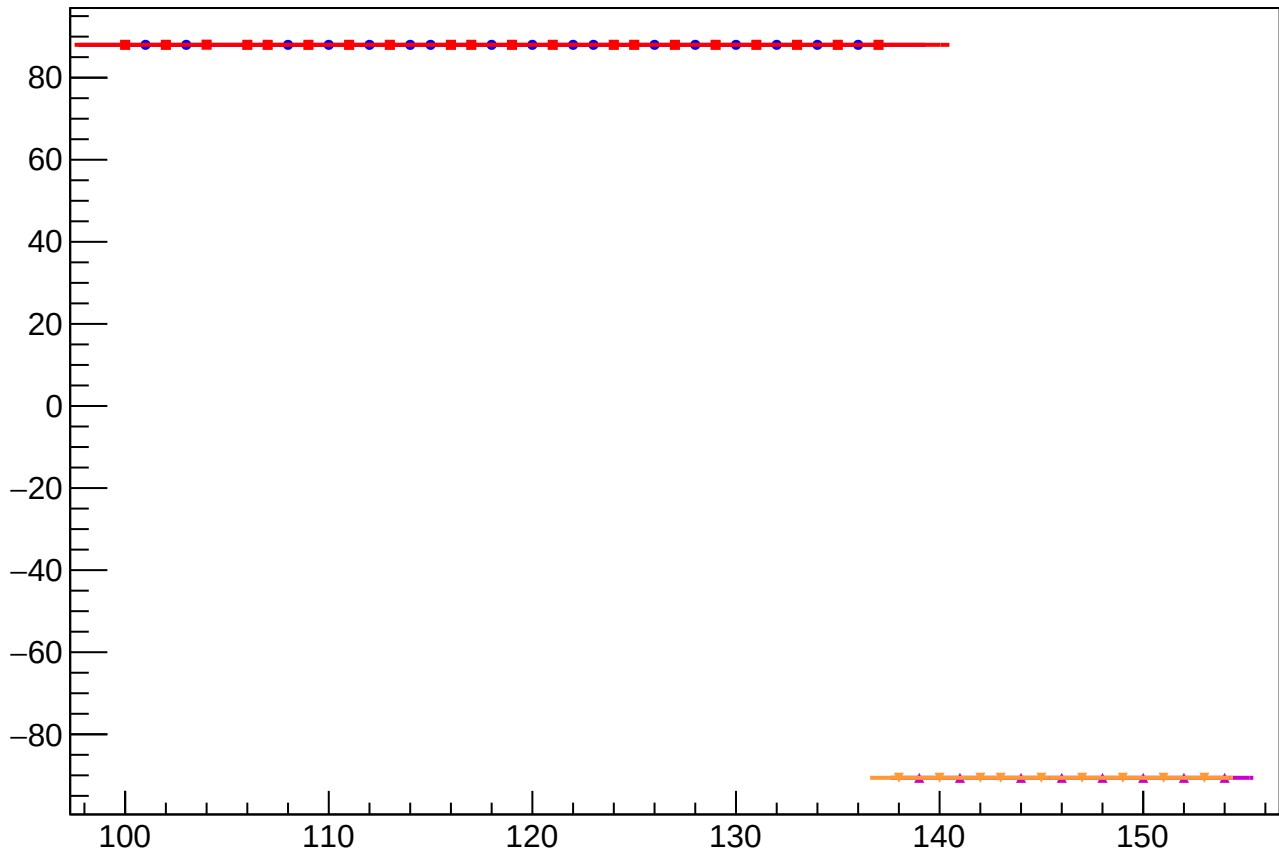
Left In: 0.010+/-0.000 χ^2/NDF : 451816.7/7

0.012+/-0.000 χ^2/NDF : 1903001.6/25

0.012+/-0.000 χ^2/NDF : 4406482.3/53

0.012+/-0.000 χ^2/NDF : 2501997.2/27

epics_VWienAngles_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF : 1852068.7/16

Left Out: -90.599+/-0.000 χ^2/NDF : 3329119.2/8

Right Out: 88.004+/-0.000 χ^2/NDF : 77578366411928007427611426816.0/19

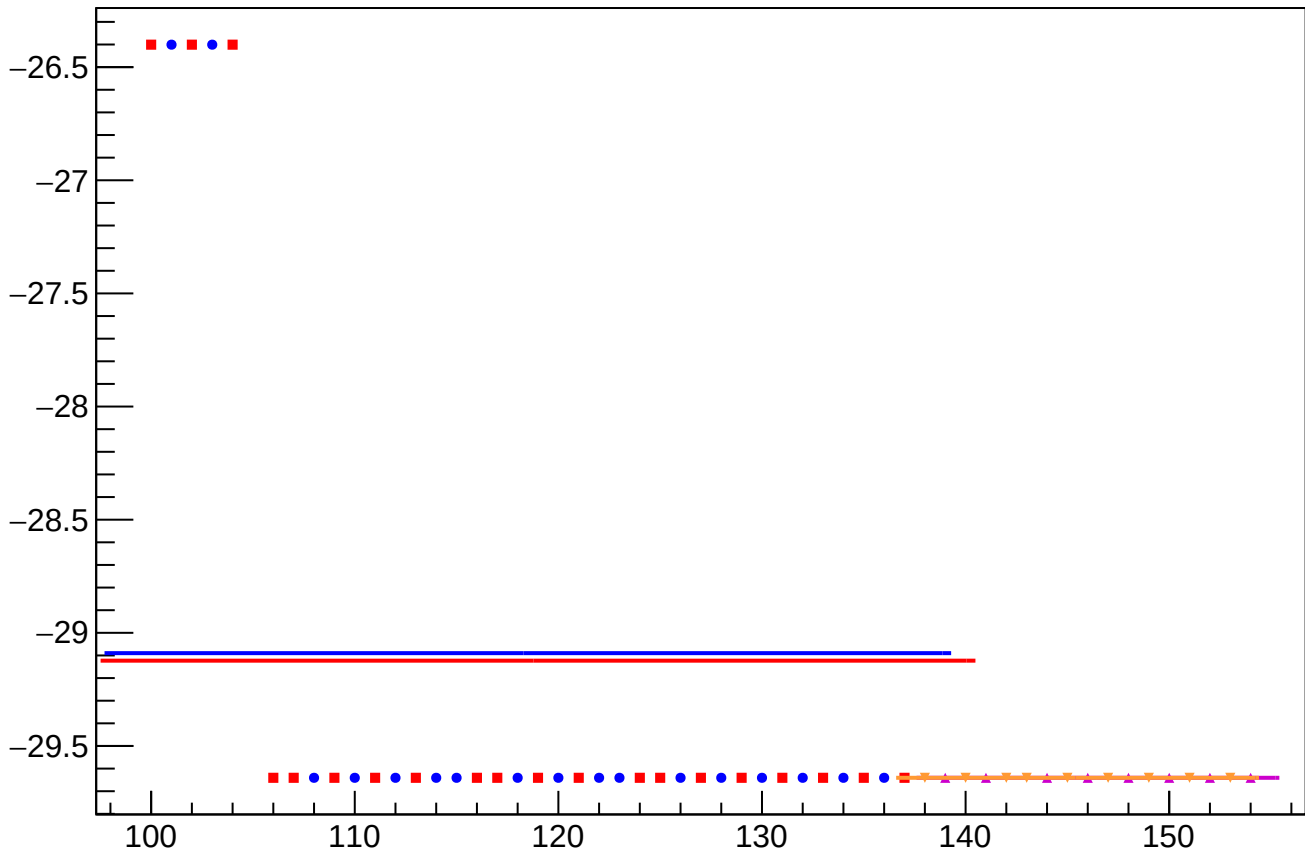
Left In: -90.599+/-0.000 χ^2/NDF : 971573.7/7

-0.258+/-0.000 χ^2/NDF : 109395123285131083

0.793+/-0.000 χ^2/NDF : 22117428289971

1.821+/-0.000 χ^2/NDF : 1117491810477041164

epics_HWienAngles_mean vs Slug, Sign Corrected



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

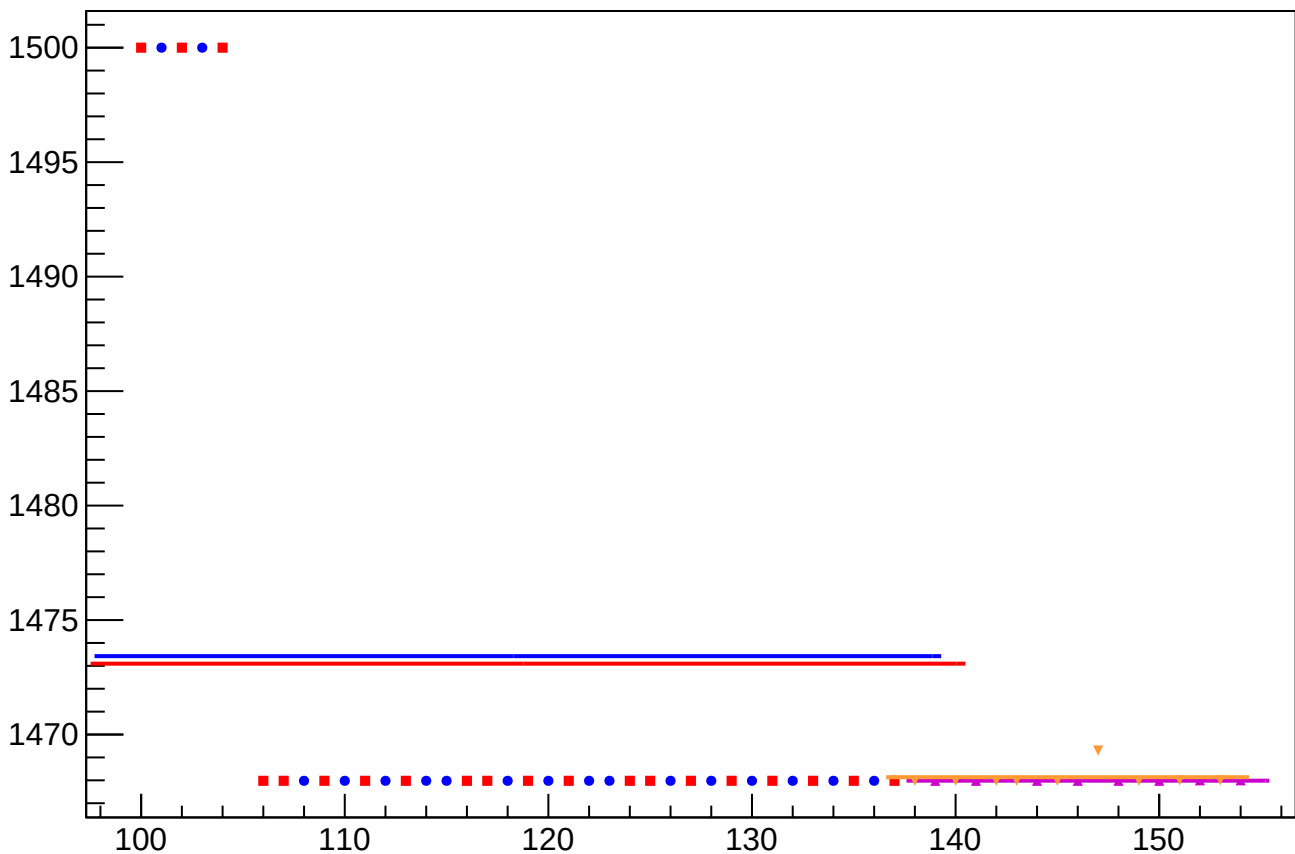
Left In: -29.641+/-0.000 χ^2/NDF :39329.4/7

-29.362+/-0.000 χ^2/NDF : 11321799323615103

-29.367+/-0.000 χ^2/NDF : 2249300891675

-29.373+/-0.000 χ^2/NDF : 11170404128296361

epics_psub_pl_pos_mean vs Slug, Sign Corrected



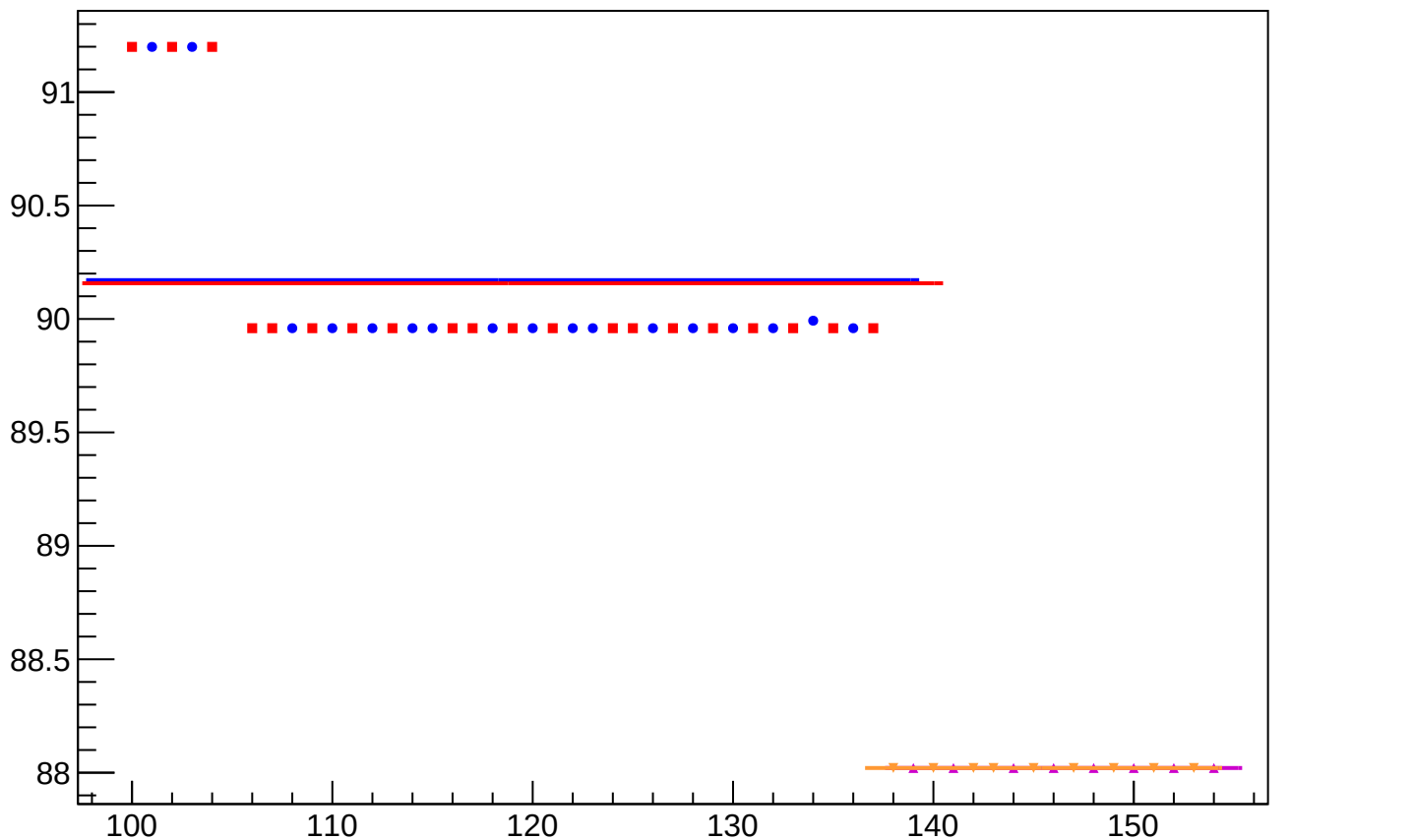
Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

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, Sign Corrected



Right In: 90.171 ± 0.000 $\chi^2/\text{NDF}: 150316905454500935857801185460224.0/16$

Left Out: 88.021 ± 0.000 $\chi^2/\text{NDF}: 2892506.8/8$

Right Out: 90.157 ± 0.000 $\chi^2/\text{NDF}: 149863052341628336344772108091392.0/19$

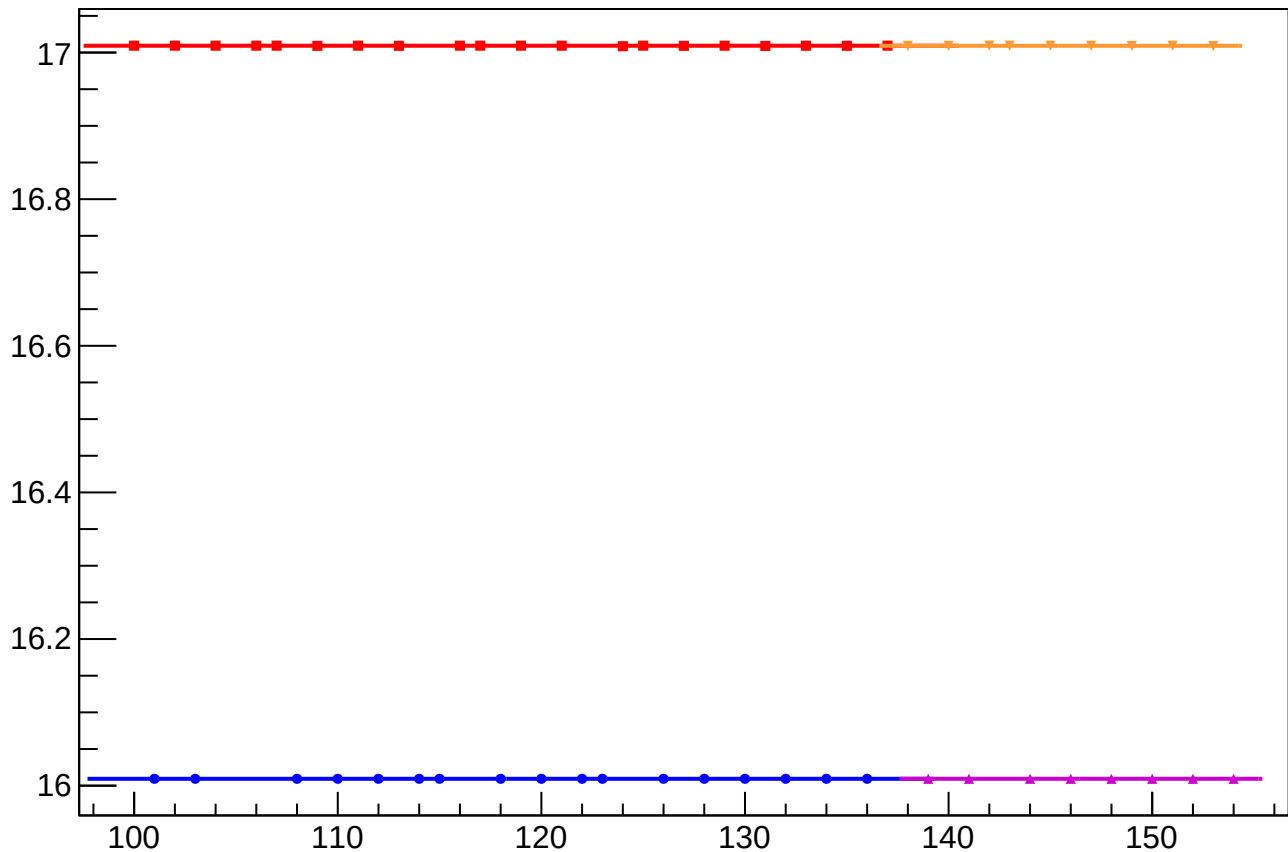
Left In: 88.021 ± 0.000 $\chi^2/\text{NDF}: 1236328.1/7$

89.108 ± 0.000 $\chi^2/\text{NDF}: 173625226757124934$

89.118 ± 0.000 $\chi^2/\text{NDF}: 3485759960554$

89.126 ± 0.000 $\chi^2/\text{NDF}: 174928495981980675$

epics_IGL1I00DI24_24Ms_mean vs Slug, Sign Corrected



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 44327.7/16

Left Out: 17.009 $\pm$ 0.000 χ^2/NDF : 7659814170693219924312064.0/8

Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 12548783366686740957888512.0/19

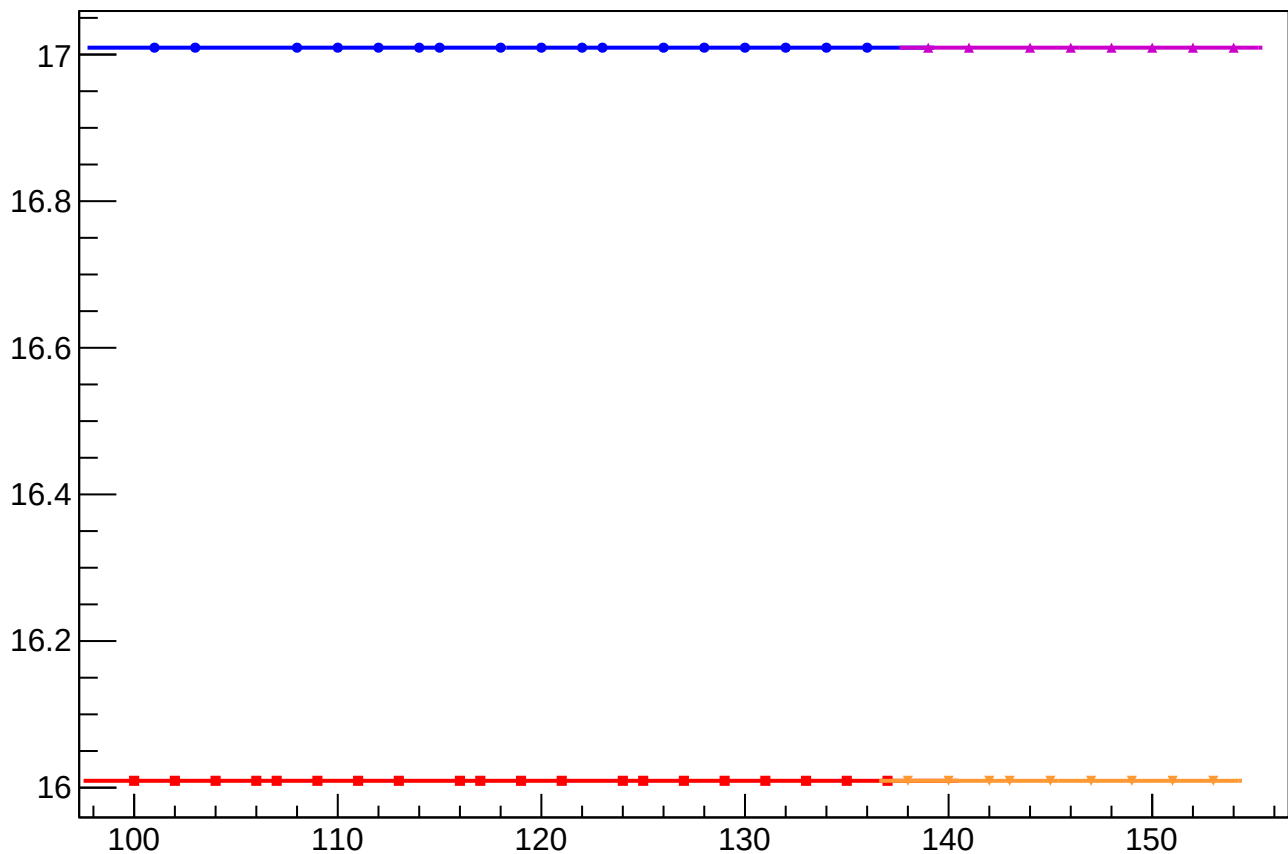
Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 25344.5/7

16.490 $\pm$ 0.000 χ^2/NDF : 318431875720654907

16.503 $\pm$ 0.000 χ^2/NDF : 6439703126552

16.515 $\pm$ 0.000 χ^2/NDF : 325148088794001320

epics_IGL1I00OD16_16s_mean vs Slug, Sign Corrected



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

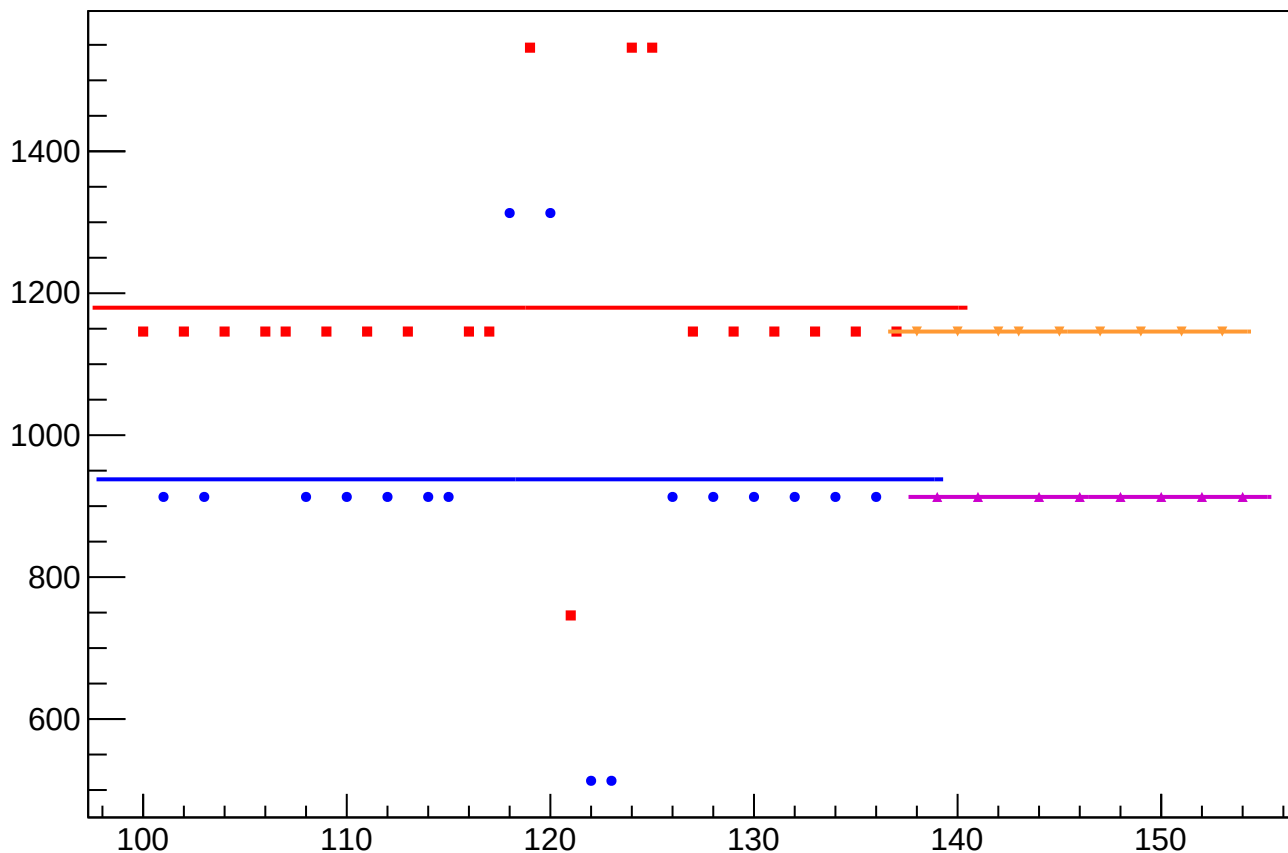
Left In: 17.009+/-0.000 χ^2 /NDF: 11044.1/7

16.506+/-0.000 χ^2 /NDF: 332987987987983053

16.500+/-0.000 χ^2 /NDF: 6817708944281

16.494+/-0.000 χ^2 /NDF: 348684097421172357

epics_RTPAPOSUCNTs_mean vs Slug, Sign Corrected



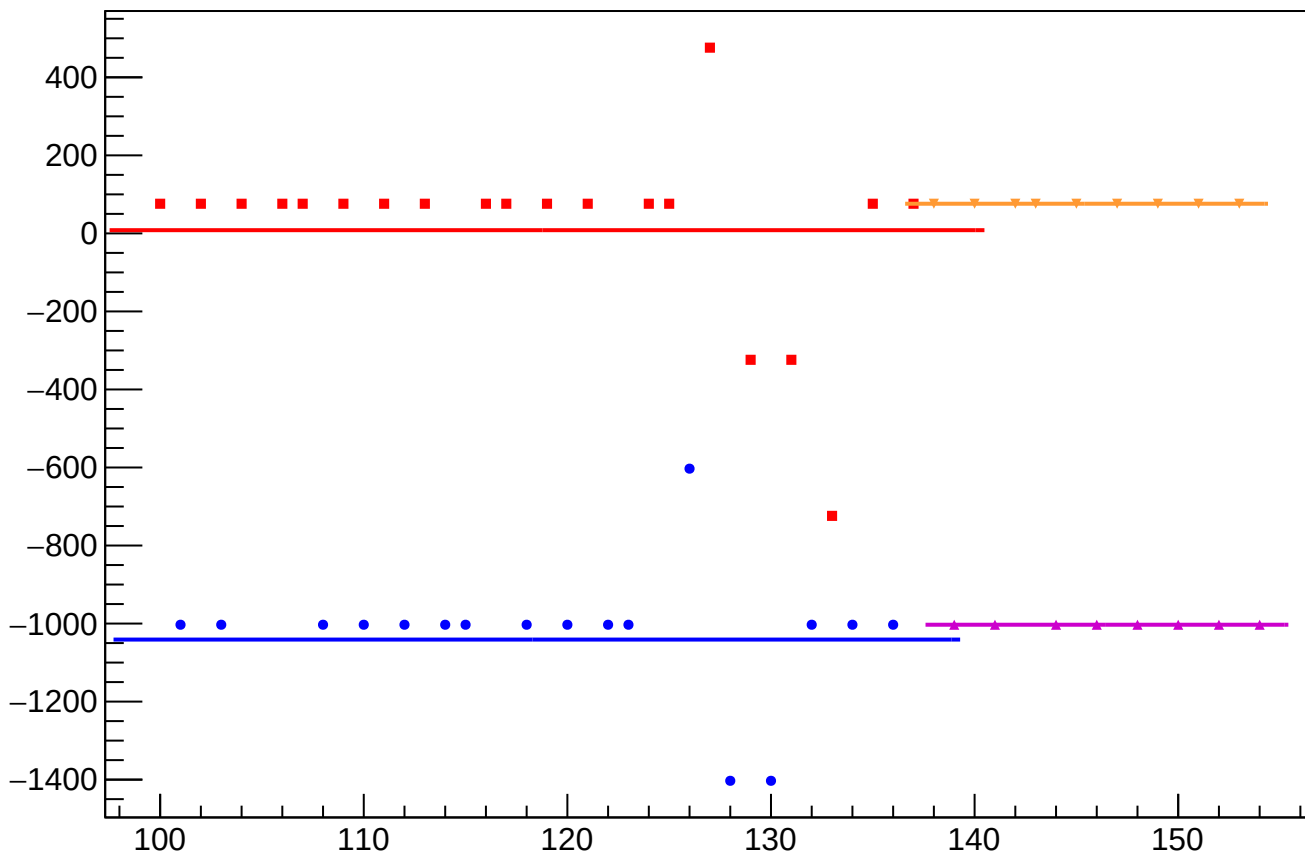
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

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, Sign Corrected



Right In: -1041.030+/-0.000 χ^2/NDF : 22675401109943882512554797113855180800.0/16

Left Out: 76.010+/-0.000 χ^2/NDF : 2872007732310765958147866624.0/8

Right Out: 8.240+/-0.000 χ^2/NDF : 43865391744972338137265798243810279424.0/19

Left In: -1002.989+/-0.000 χ^2/NDF : 1046062123918308618941759488.0/7