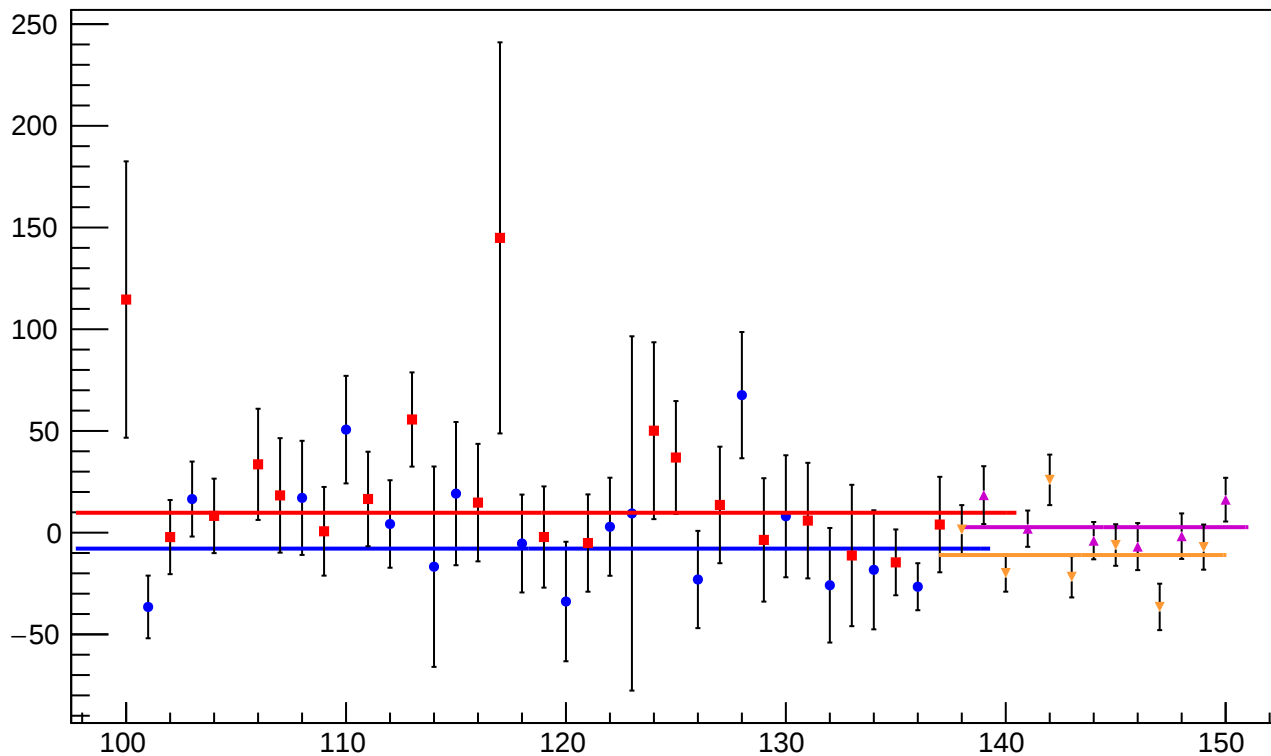


diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.841 $\pm$ 5.608

χ^2/NDF : 22.6/16

Left Out: -10.995 $\pm$ 4.069

χ^2/NDF : 17.3/6

Right Out: 9.781 $\pm$ 5.667

χ^2/NDF : 15.2/19

Left In: 2.701 $\pm$ 4.323

χ^2/NDF : 4.2/5

-9.907 $\pm$ 3.294

χ^2/NDF : 40.2/23

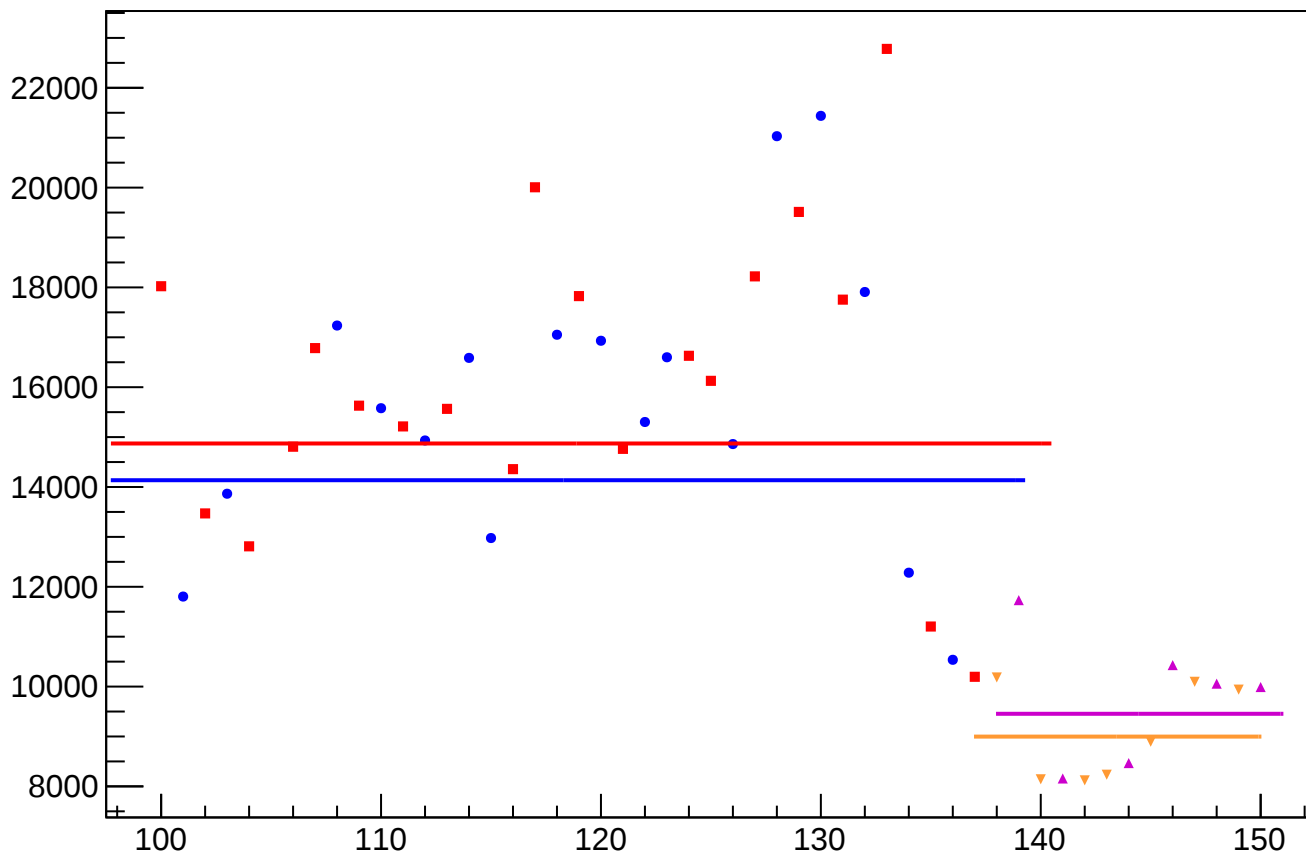
-2.625 $\pm$ 2.378

χ^2/NDF : 70.8/49

5.305 $\pm$ 3.437

χ^2/NDF : 20.4/25

diff_bpm4aX_rms vs Slug, Sign Corrected



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

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

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

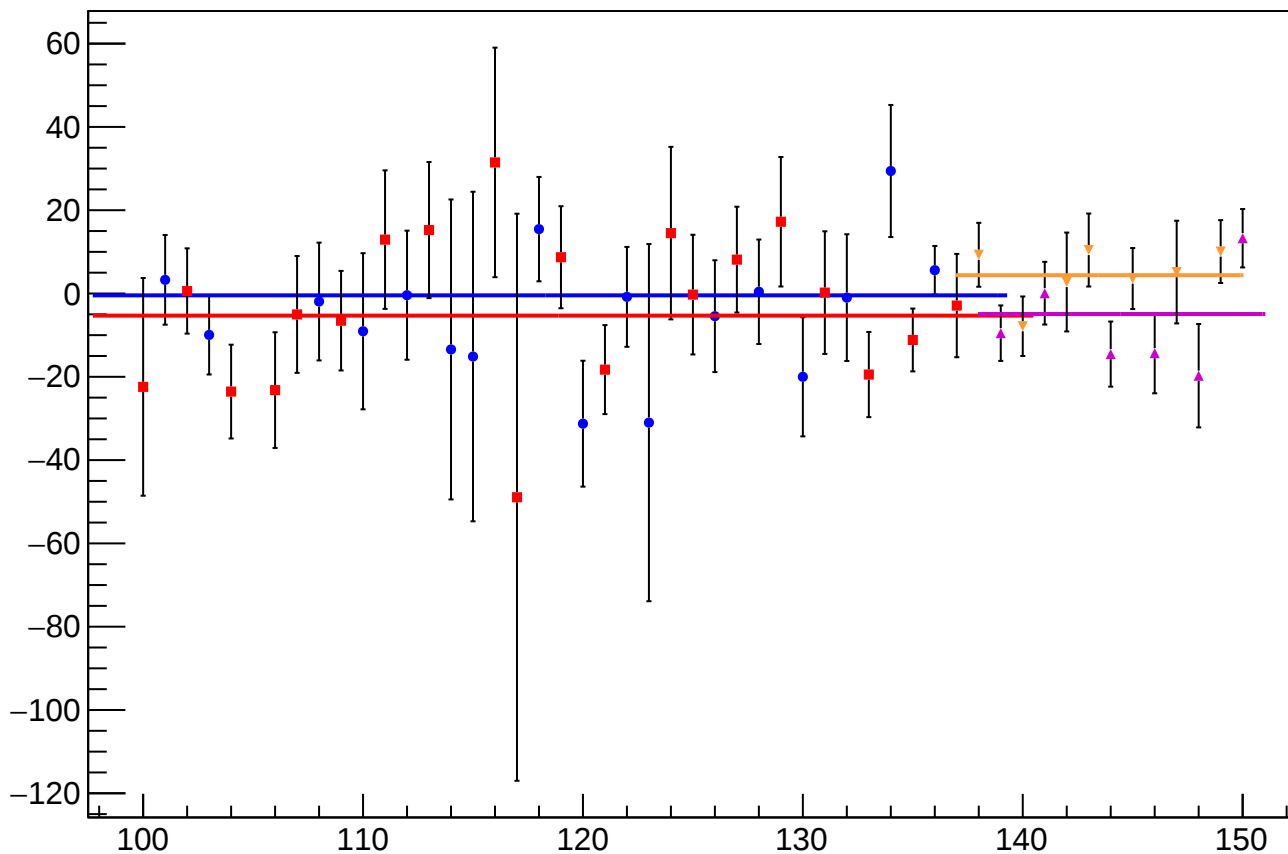
Left In: 9454.645 $\pm$ 3.057 χ^2 /NDF: 141749.6/5

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

11094.169 $\pm$ 1.682 χ^2 /NDF: 3603410.0/4

11447.450 $\pm$ 2.431 χ^2 /NDF: 1774674.2/25

diff_bpm4aY_mean vs Slug, Sign Corrected



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

Left Out: 4.394 ± 3.170 χ^2/NDF : 4.4/6

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

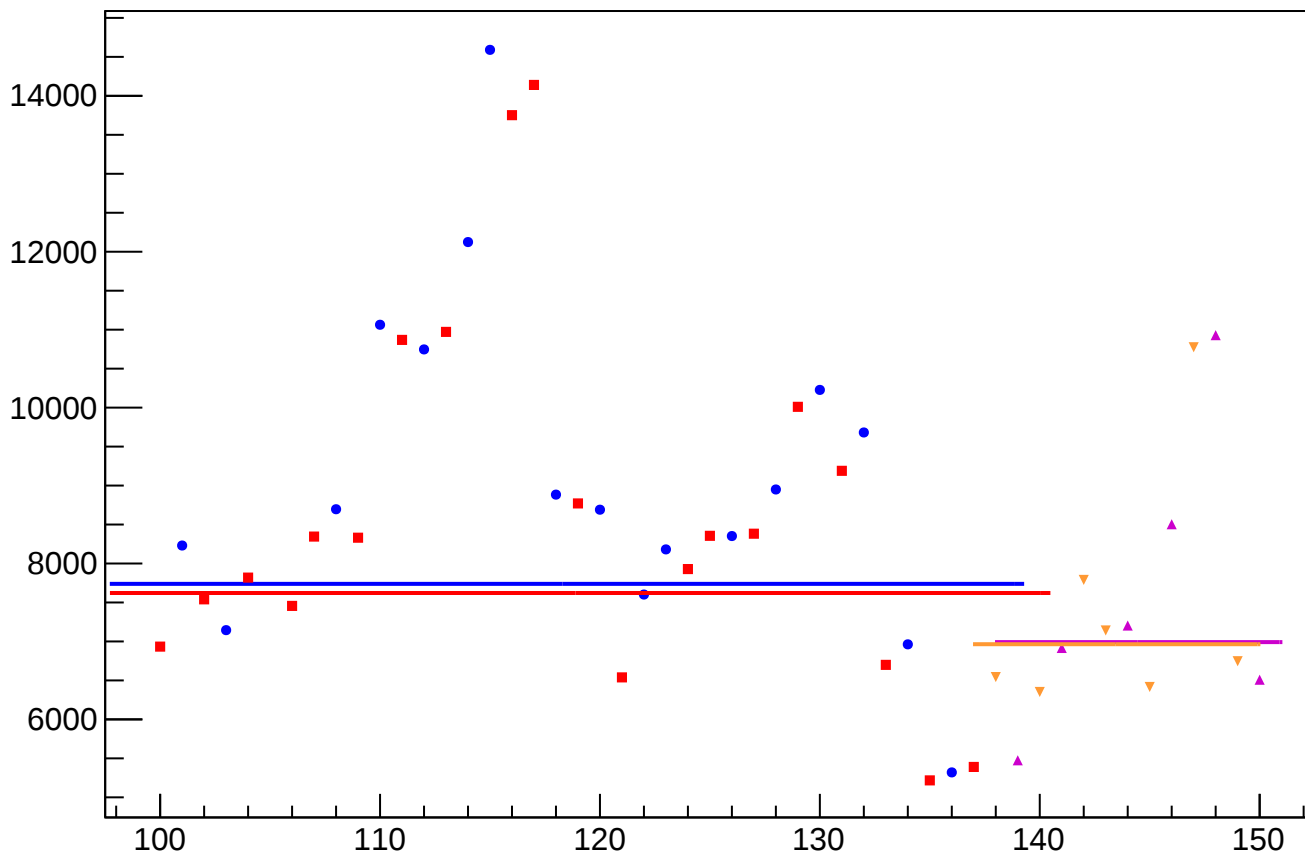
Left In: -4.923 ± 3.260 χ^2/NDF : 11.5/5

1.899 ± 2.206 χ^2/NDF : 20.2/23

-1.660 ± 1.551 χ^2/NDF : 56.6/49

-5.137 ± 2.180 χ^2/NDF : 31.3/25

diff_bpm4aY_rms vs Slug, Sign Corrected



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

Left Out: 6964.603 ± 2.242 χ^2/NDF : 235226.1/6

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

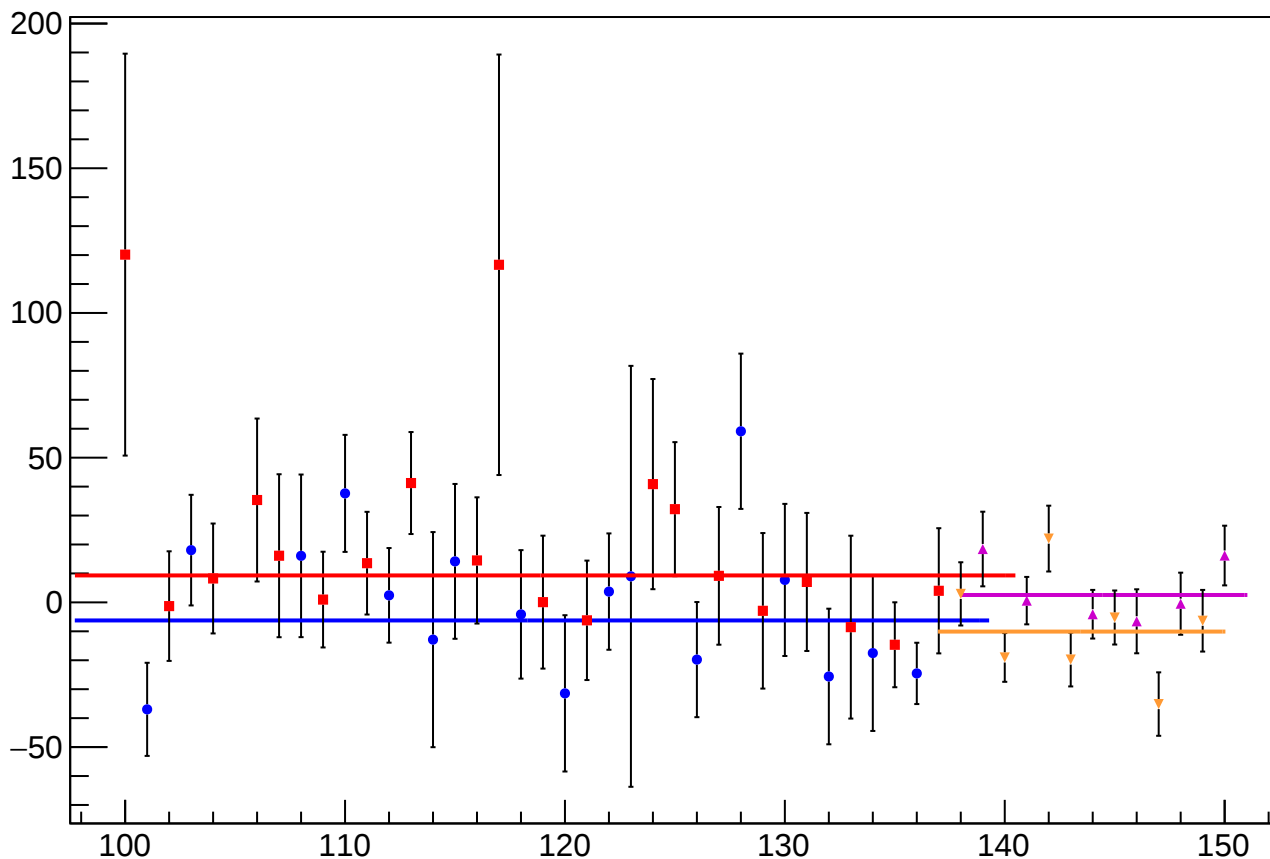
Left In: 6991.518 ± 2.305 χ^2/NDF : 365311.8/5

7364.037 ± 1.560 χ^2/NDF : 1037611.0/23

7351.739 ± 1.096 χ^2/NDF : 2141894.3/49

7339.723 ± 1.542 χ^2/NDF : 1104160.4/25

diff_bpm4eX_mean vs Slug, Sign Corrected



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

Left Out: -10.088 ± 3.769 χ^2/NDF : 17.2/6

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

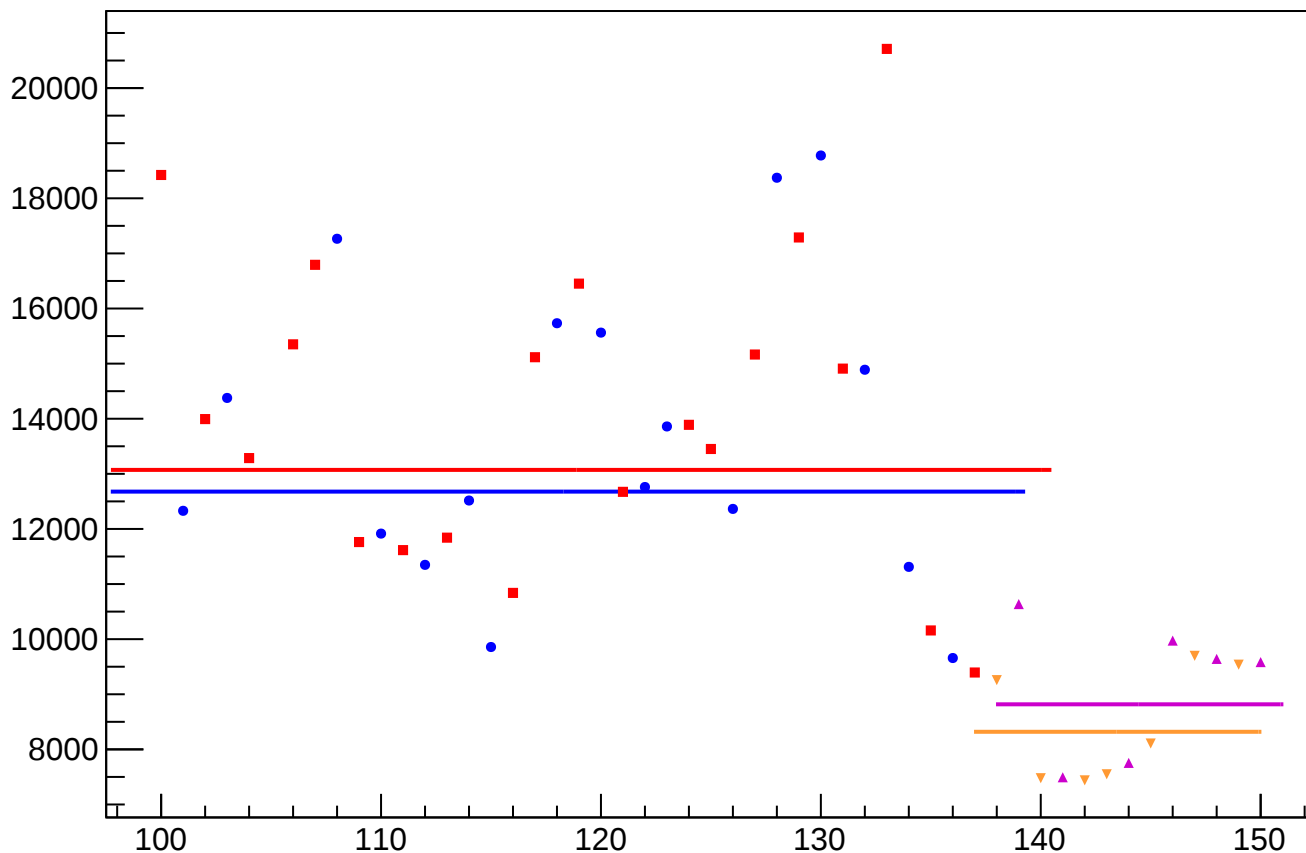
Left In: 2.552 ± 4.037 χ^2/NDF : 4.7/5

-8.702 ± 3.013 χ^2/NDF : 40.8/23

-2.019 ± 2.174 χ^2/NDF : 72.2/49

5.228 ± 3.138 χ^2/NDF : 21.1/25

diff_bpm4eX_rms vs Slug, Sign Corrected



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

Left Out: 8319.173 $\pm$ 2.665 χ^2/NDF :119308.5/6

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

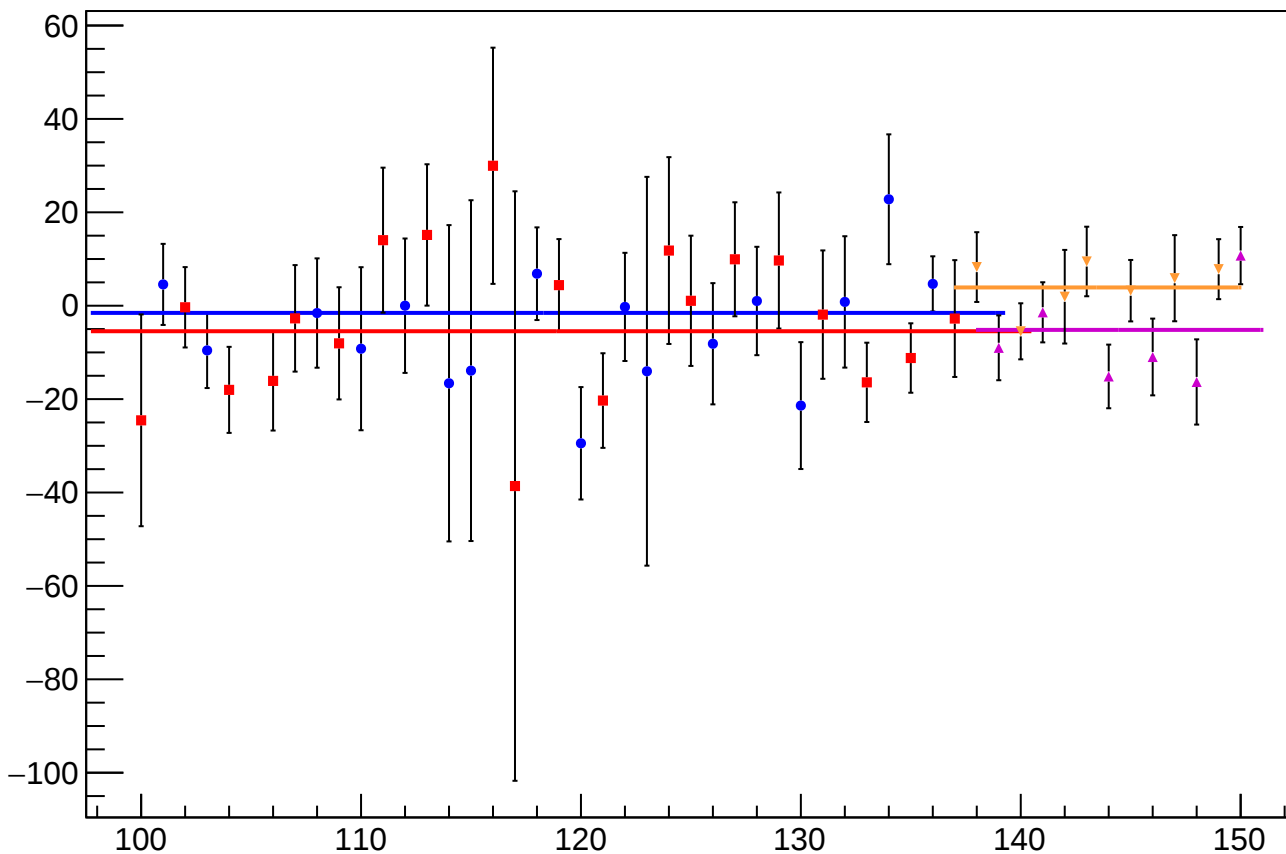
Left In: 8817.682 $\pm$ 2.855 χ^2/NDF :168723.4/5

9891.358 $\pm$ 2.131 χ^2/NDF : 1637650.2/23

10184.175 $\pm$ 1.537 χ^2/NDF : 3223671.9/4

10501.717 $\pm$ 2.219 χ^2/NDF : 1546659.2/25

diff_bpm4eY_mean vs Slug, Sign Corrected



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

Left Out: 3.912 ± 2.744 χ^2/NDF : 3.8/6

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

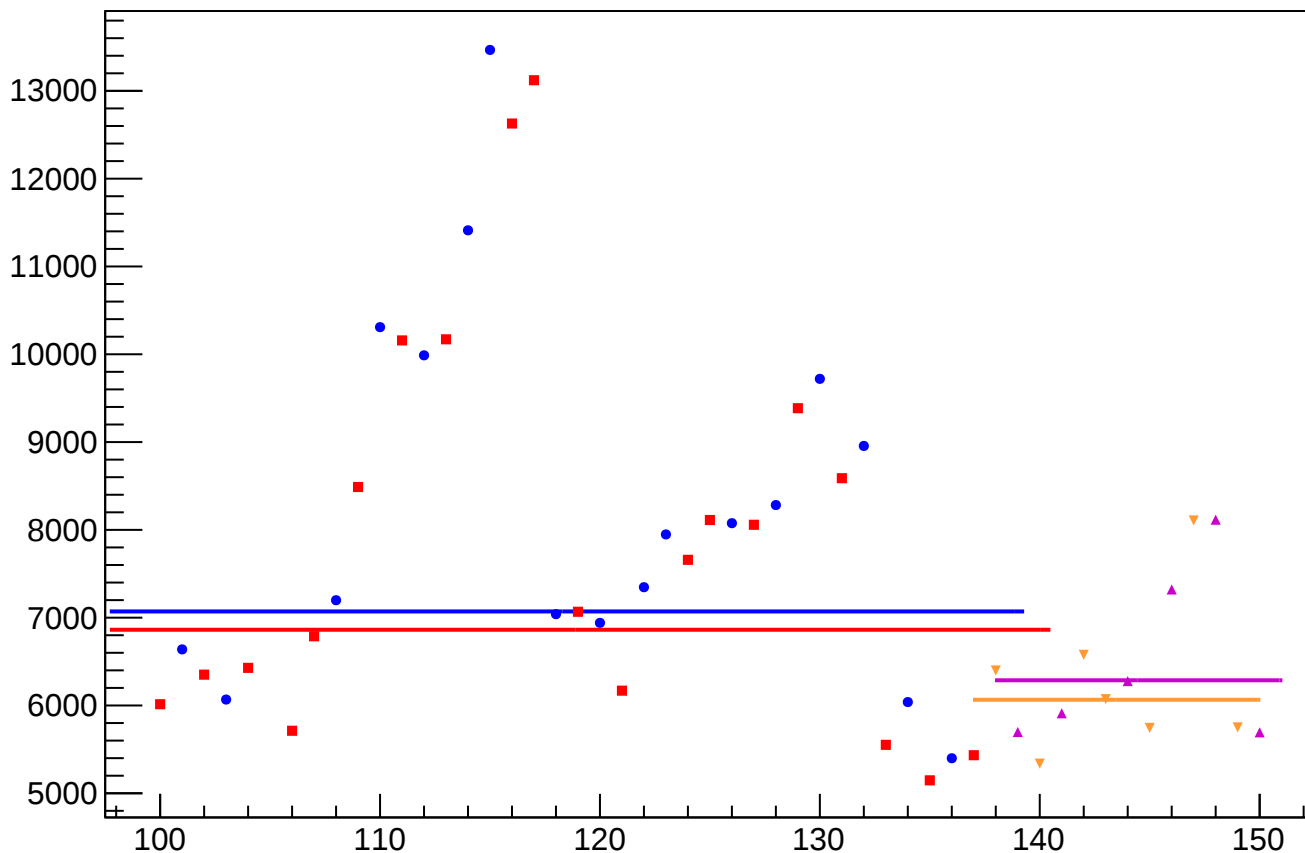
Left In: -5.176 ± 2.888 χ^2/NDF : 11.5/5

1.233 ± 1.957 χ^2/NDF : 20.6/23

-2.065 ± 1.380 χ^2/NDF : 56.6/49

-5.332 ± 1.948 χ^2/NDF : 30.4/25

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7071.043 $\pm$ 1.973 χ^2/NDF : 600748.1/16

Left Out: 6065.103 $\pm$ 1.941 χ^2/NDF :146206.1/6

Right Out: 6862.551 $\pm$ 1.865 χ^2/NDF : 704099.3/19

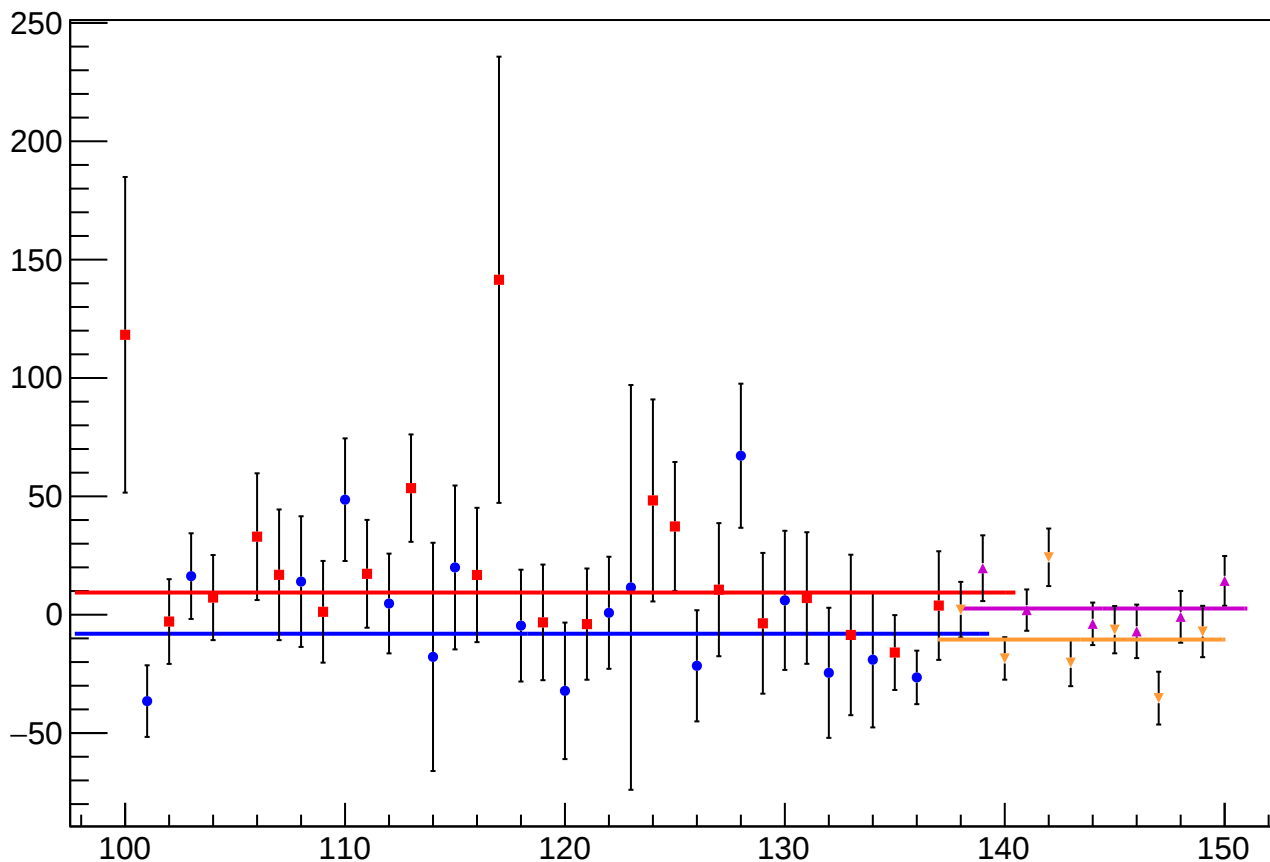
Left In: 6286.939 $\pm$ 2.042 χ^2/NDF :151928.8/5

6559.730 $\pm$ 1.384 χ^2/NDF : 879072.8/23

6580.386 $\pm$ 0.976 χ^2/NDF : 1778859.5/49

6600.851 $\pm$ 1.377 χ^2/NDF : 899343.0/25

diff_bpm4acX_mean vs Slug, Sign Corrected



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

Left Out: -10.490 $\pm$ 3.980 χ^2/NDF : 16.3/6

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

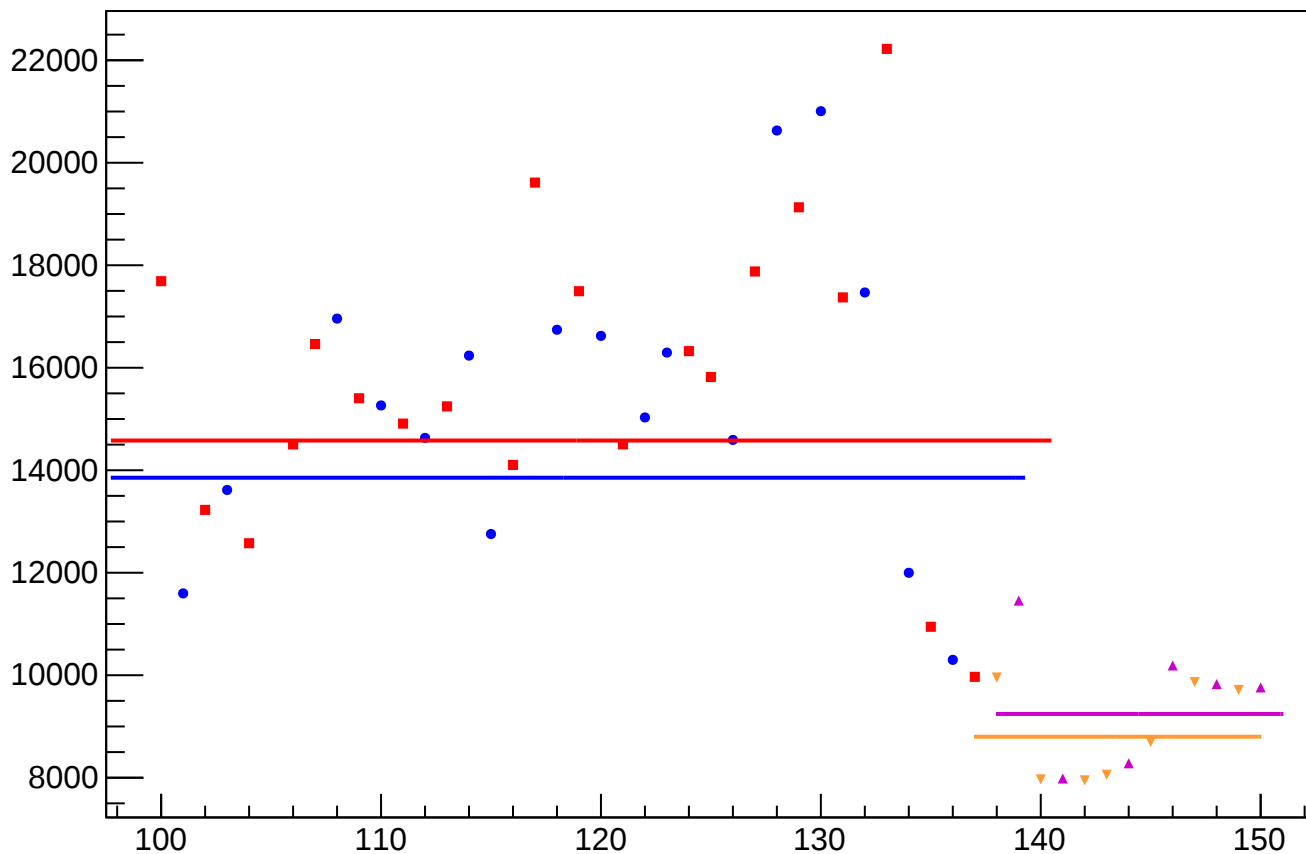
Left In: 2.619 $\pm$ 4.227 χ^2/NDF : 4.1/5

-9.646 $\pm$ 3.224 χ^2/NDF : 39.0/23

-2.591 $\pm$ 2.327 χ^2/NDF : 69.7/49

5.092 $\pm$ 3.364 χ^2/NDF : 20.7/25

diff_bpm4acX_rms vs Slug, Sign Corrected



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

Left Out: 8800.380 $\pm$ 2.814 χ^2/NDF : 90226.2/6

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

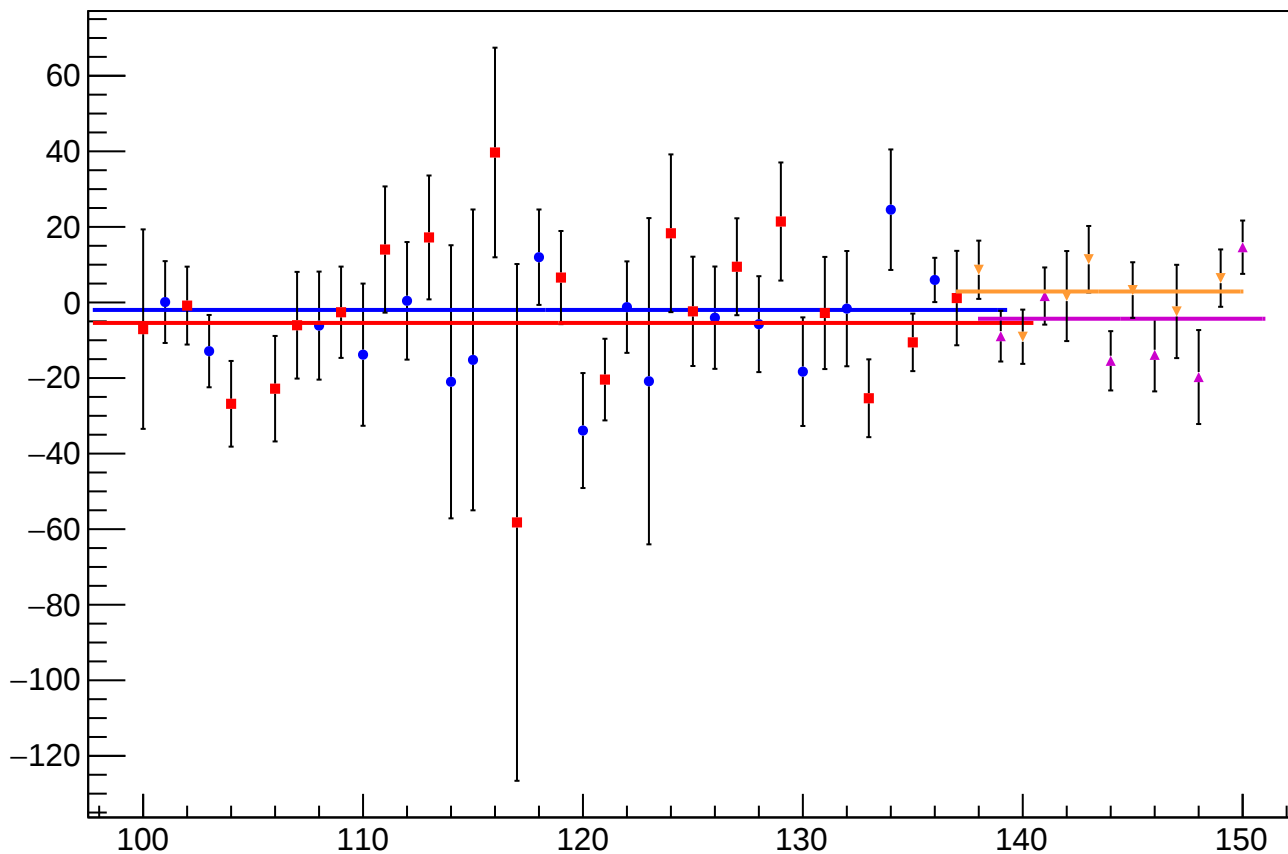
Left In: 9244.285 $\pm$ 2.989 χ^2/NDF : 139960.7/5

10538.203 $\pm$ 2.279 χ^2/NDF : 1800231.9/23

10854.967 $\pm$ 1.646 χ^2/NDF : 3628749.5/4

11199.904 $\pm$ 2.379 χ^2/NDF : 1788178.3/25

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -1.978 $\pm$ 3.094 χ^2/NDF : 14.0/16

Left Out: 2.905 $\pm$ 3.185 χ^2/NDF : 4.7/6

Right Out: -5.417 $\pm$ 2.956 χ^2/NDF : 24.9/19

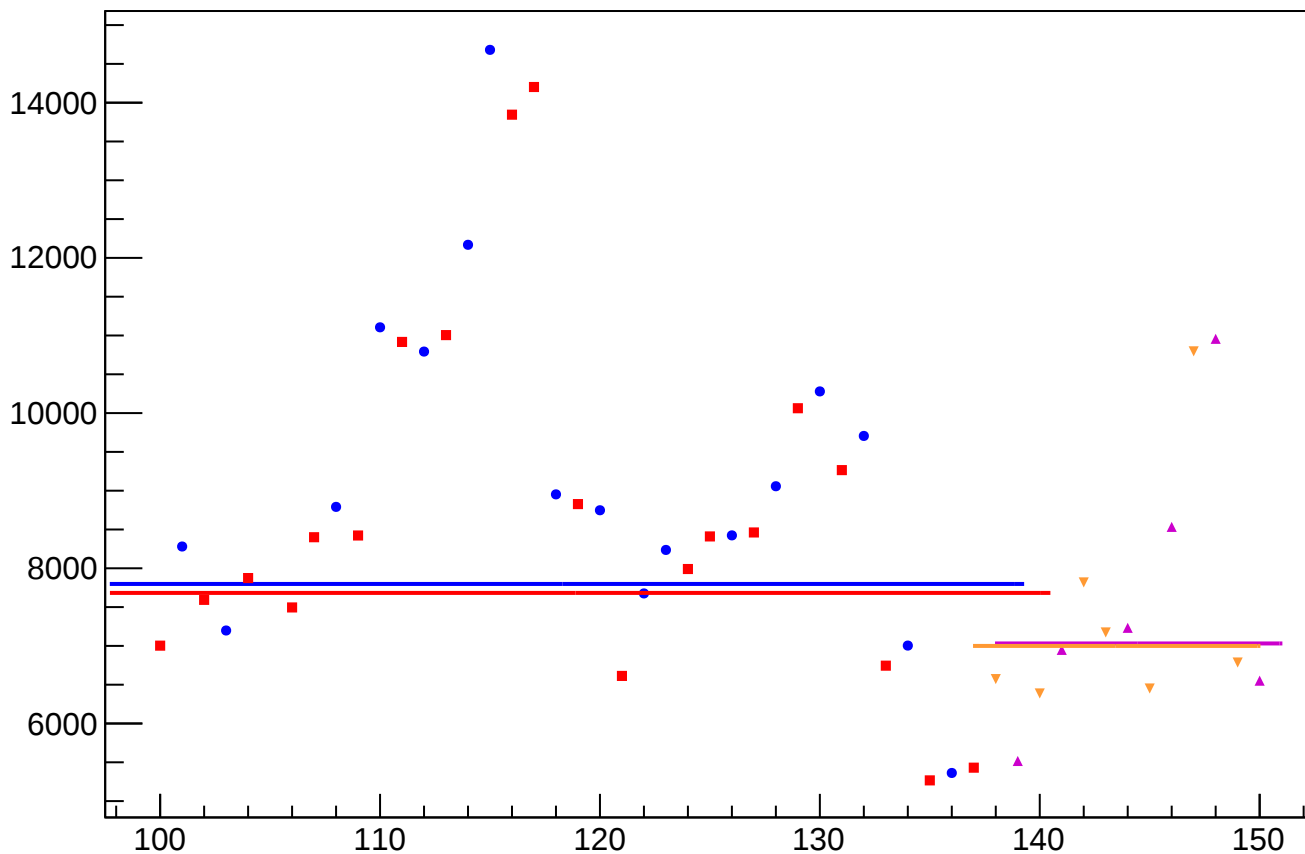
Left In: -4.306 $\pm$ 3.277 χ^2/NDF : 12.8/5

0.392 $\pm$ 2.219 χ^2/NDF : 20.0/23

-2.293 $\pm$ 1.561 χ^2/NDF : 60.6/49

-4.918 $\pm$ 2.195 χ^2/NDF : 37.8/25

diff_bpm4acY_rms vs Slug, Sign Corrected



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

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

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

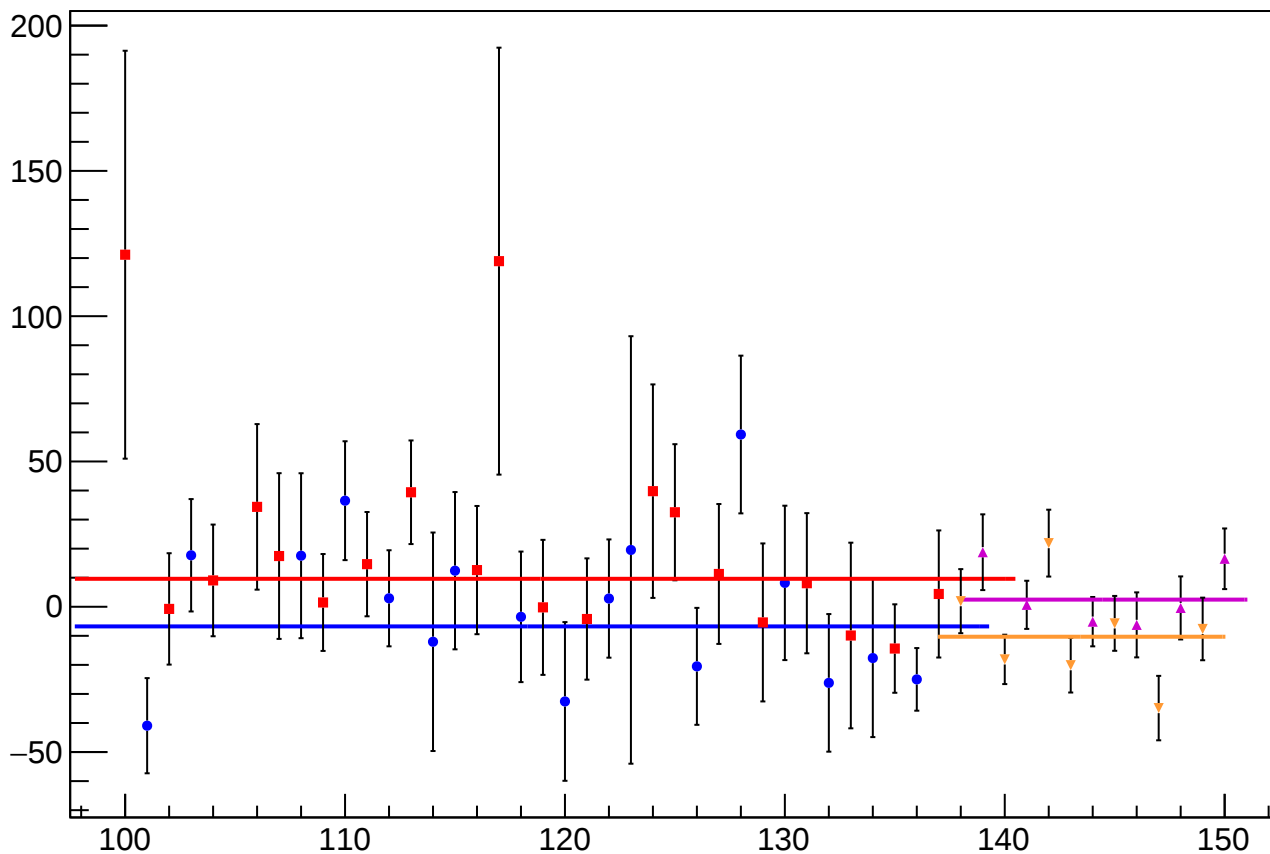
Left In: 7031.457 $\pm$ 2.317 χ^2 /NDF: 360120.3/5

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

7400.481 $\pm$ 1.103 χ^2 /NDF: 2128286.5/49

7390.591 $\pm$ 1.552 χ^2 /NDF: 1094589.7/25

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.760 $\pm$ 5.085 χ^2/NDF : 23.7/16

Left Out: -10.311 $\pm$ 3.809 χ^2/NDF : 16.2/6

Right Out: 9.622 $\pm$ 5.058 χ^2/NDF : 14.5/19

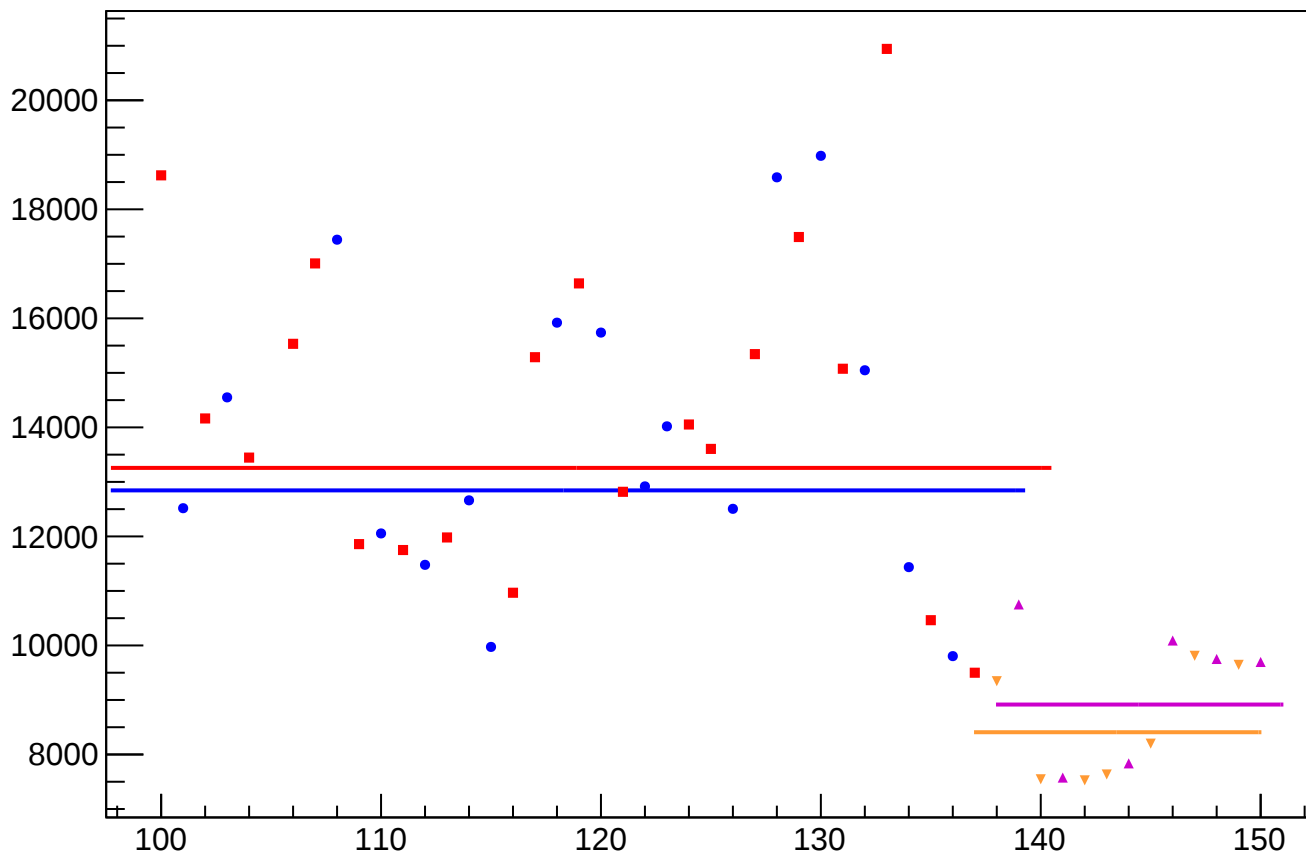
Left In: 2.459 $\pm$ 4.083 χ^2/NDF : 4.9/5

-9.034 $\pm$ 3.049 χ^2/NDF : 40.2/23

-2.170 $\pm$ 2.200 χ^2/NDF : 71.4/49

5.284 $\pm$ 3.177 χ^2/NDF : 20.6/25

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12844.321 $\pm$ 3.595 χ^2/NDF : 547271.0/16

Left Out: 8408.315 $\pm$ 2.694 χ^2/NDF : 119689.1/6

Right Out: 13256.926 $\pm$ 3.577 χ^2/NDF : 487016.8/19

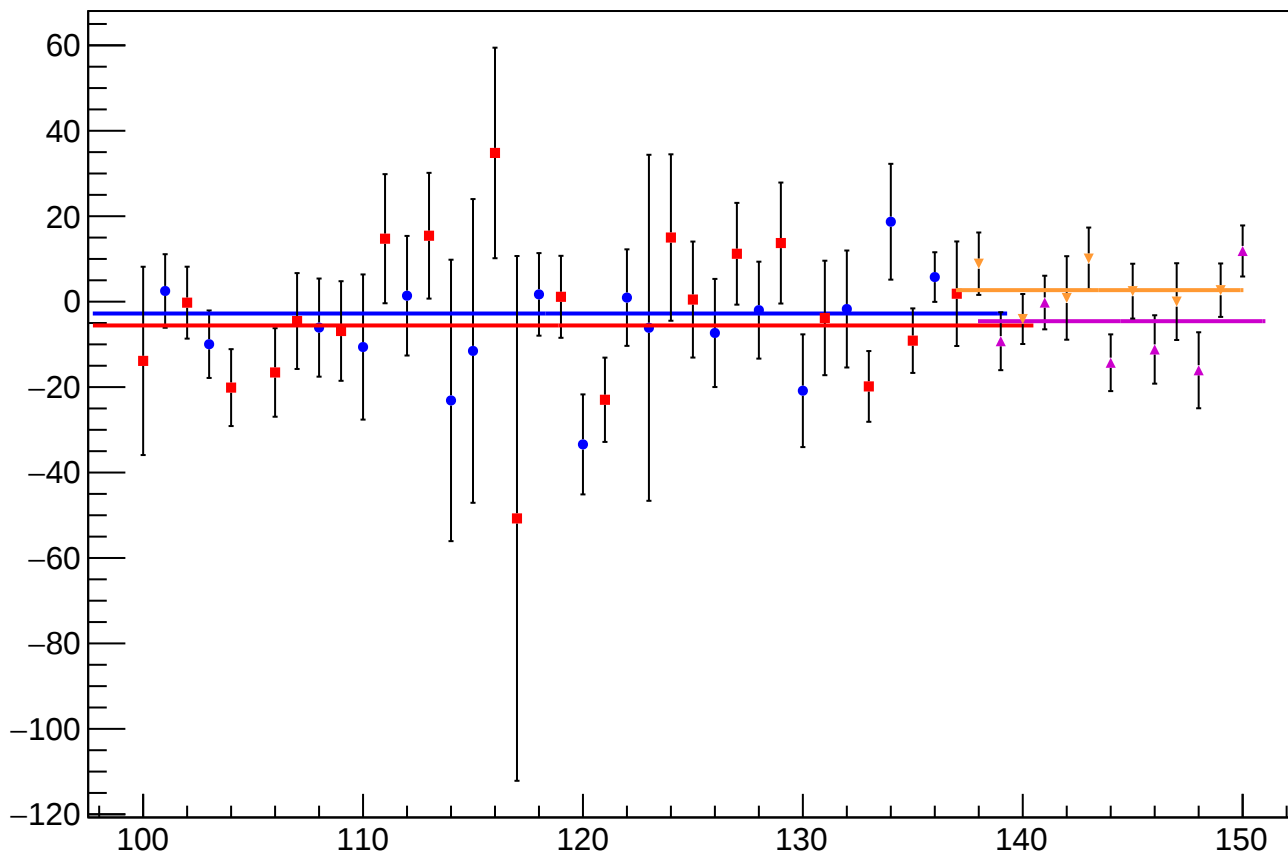
Left In: 8915.967 $\pm$ 2.887 χ^2/NDF : 169409.7/5

10003.109 $\pm$ 2.156 χ^2/NDF : 1641939.9/23

10302.812 $\pm$ 1.555 χ^2/NDF : 3230587.5/4

10628.252 $\pm$ 2.246 χ^2/NDF : 1548333.4/25

diff_bpm4ecY_mean vs Slug, Sign Corrected



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

Left Out: 2.697 ± 2.676 χ^2/NDF : 3.2/6

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

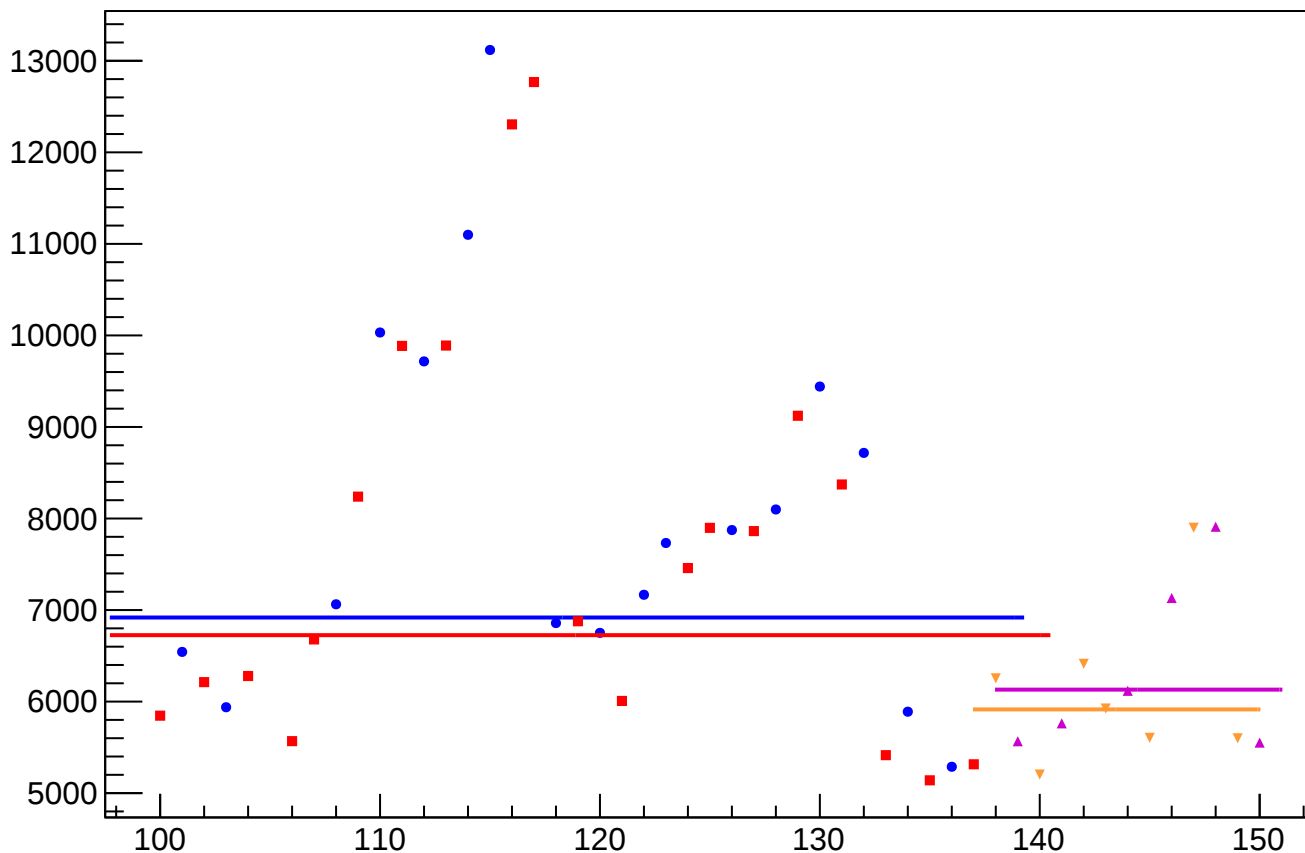
Left In: -4.570 ± 2.817 χ^2/NDF : 13.0/5

0.017 ± 1.912 χ^2/NDF : 21.2/23

-2.558 ± 1.349 χ^2/NDF : 61.6/49

-5.113 ± 1.905 χ^2/NDF : 36.8/25

diff_bpm4ecY_rms vs Slug, Sign Corrected



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

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

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

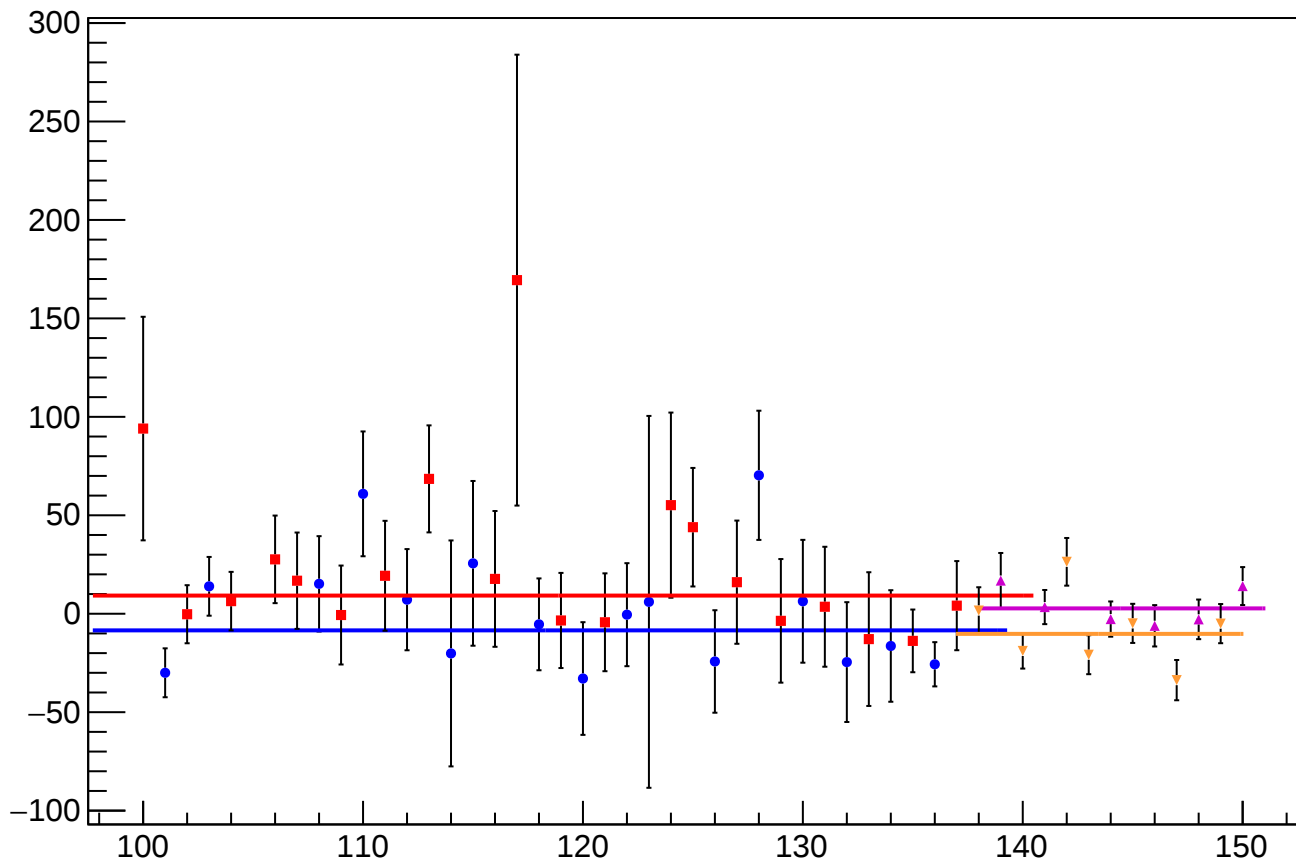
Left In: 6130.674+/-1.992 χ^2/NDF : 150812.5/5

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

6430.039+/-0.954 χ^2/NDF : 1746608.4/49

6453.653+/-1.347 χ^2/NDF : 874668.1/25

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.448 $\pm$ 5.393 χ^2/NDF : 22.0/16

Left Out: -10.229 $\pm$ 3.878 χ^2/NDF : 18.1/6

Right Out: 9.224 $\pm$ 5.502 χ^2/NDF : 16.2/19

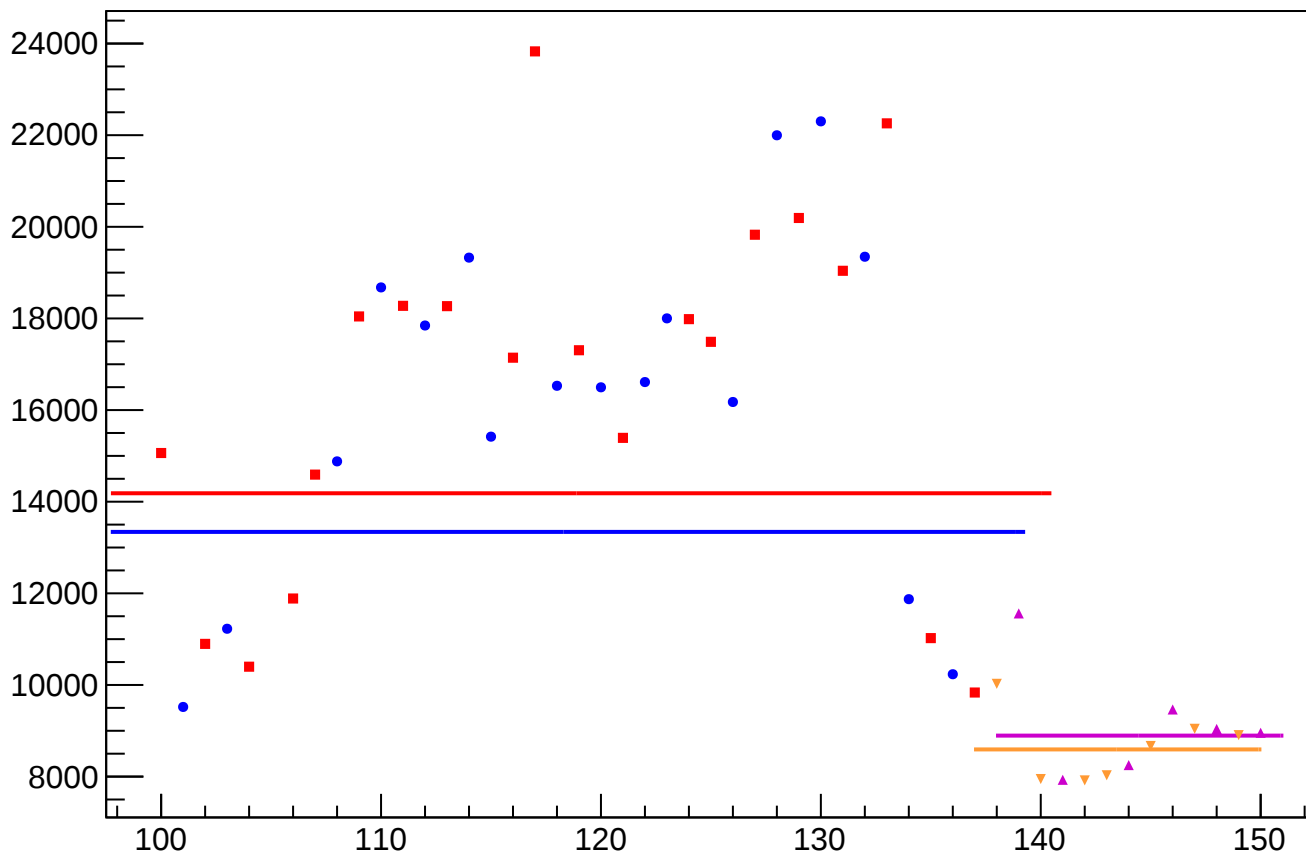
Left In: 2.714 $\pm$ 4.062 χ^2/NDF : 3.8/5

-9.622 $\pm$ 3.149 χ^2/NDF : 40.1/23

-2.577 $\pm$ 2.267 χ^2/NDF : 71.4/49

5.011 $\pm$ 3.268 χ^2/NDF : 20.9/25

diff_bpm1X_rms vs Slug, Sign Corrected



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

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

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

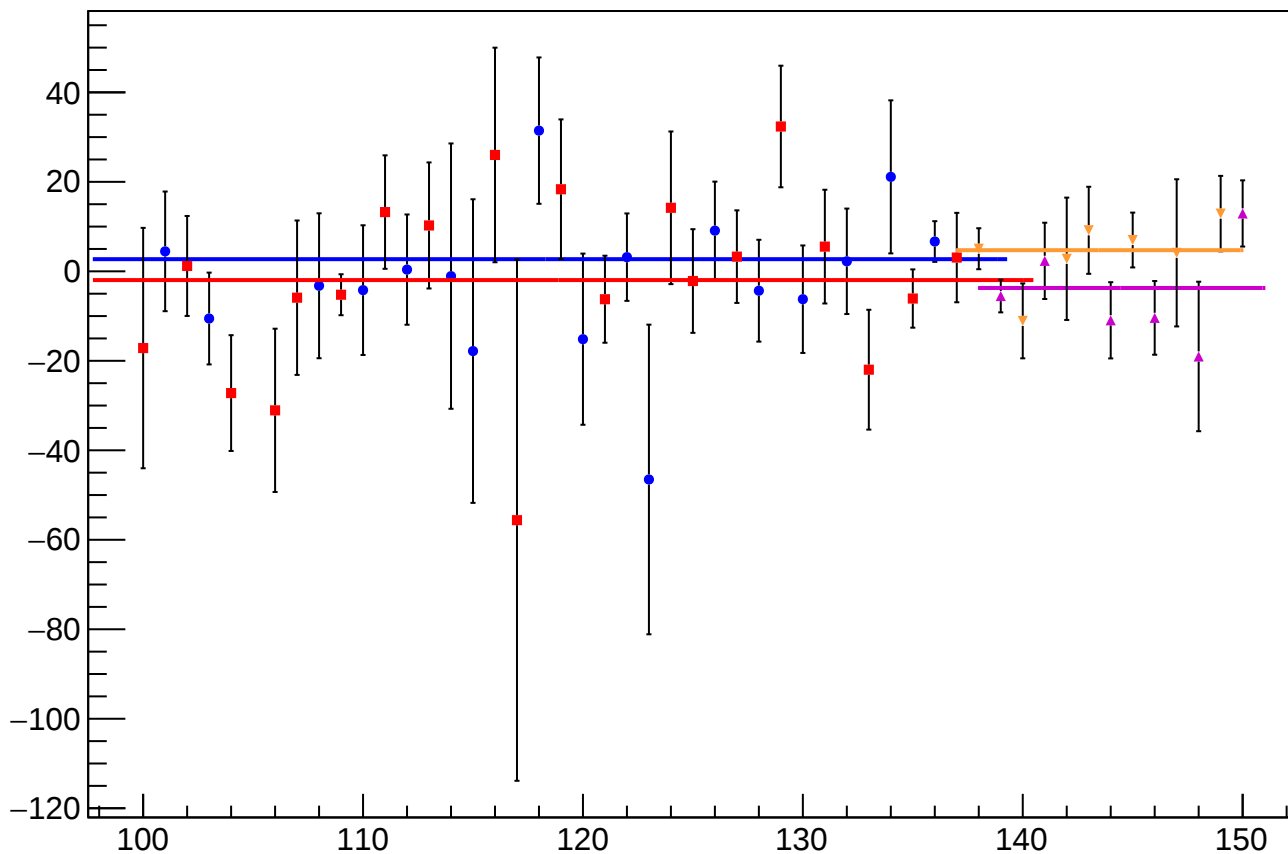
Left In: 8894.546+/-2.872 χ^2/NDF : 113899.0/5

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

10475.829+/-1.603 χ^2/NDF : 4410381.7/4

10760.453+/-2.311 χ^2/NDF : 2256391.2/25

diff_bpm1Y_mean vs Slug, Sign Corrected



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

Left Out: 4.725 ± 2.860 $\chi^2/\text{NDF}: 4.9/6$

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

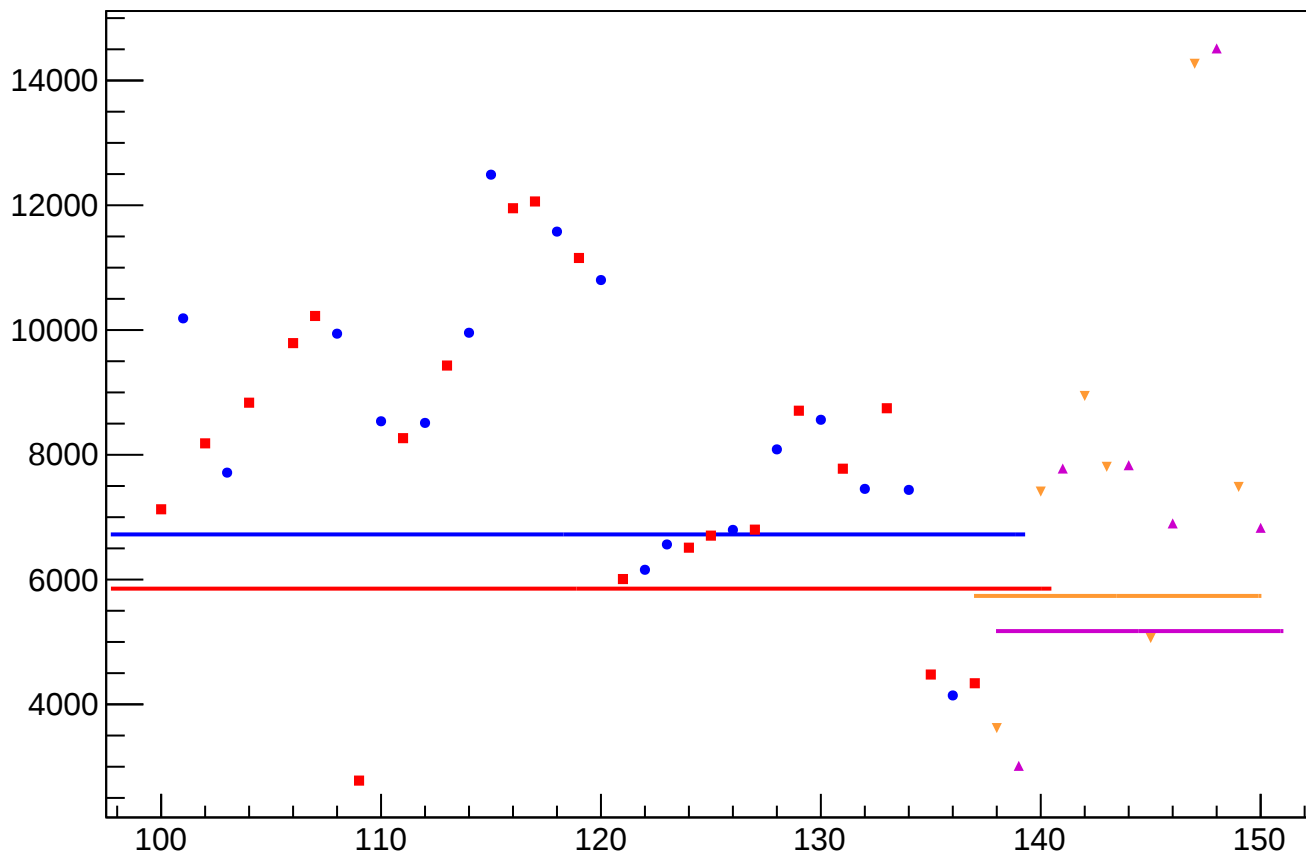
Left In: -3.720 ± 2.682 $\chi^2/\text{NDF}: 8.0/5$

3.683 ± 1.983 $\chi^2/\text{NDF}: 16.8/23$

0.161 ± 1.334 $\chi^2/\text{NDF}: 55.2/49$

-2.753 ± 1.804 $\chi^2/\text{NDF}: 32.6/25$

diff_bpm1Y_rms vs Slug, Sign Corrected



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

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

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

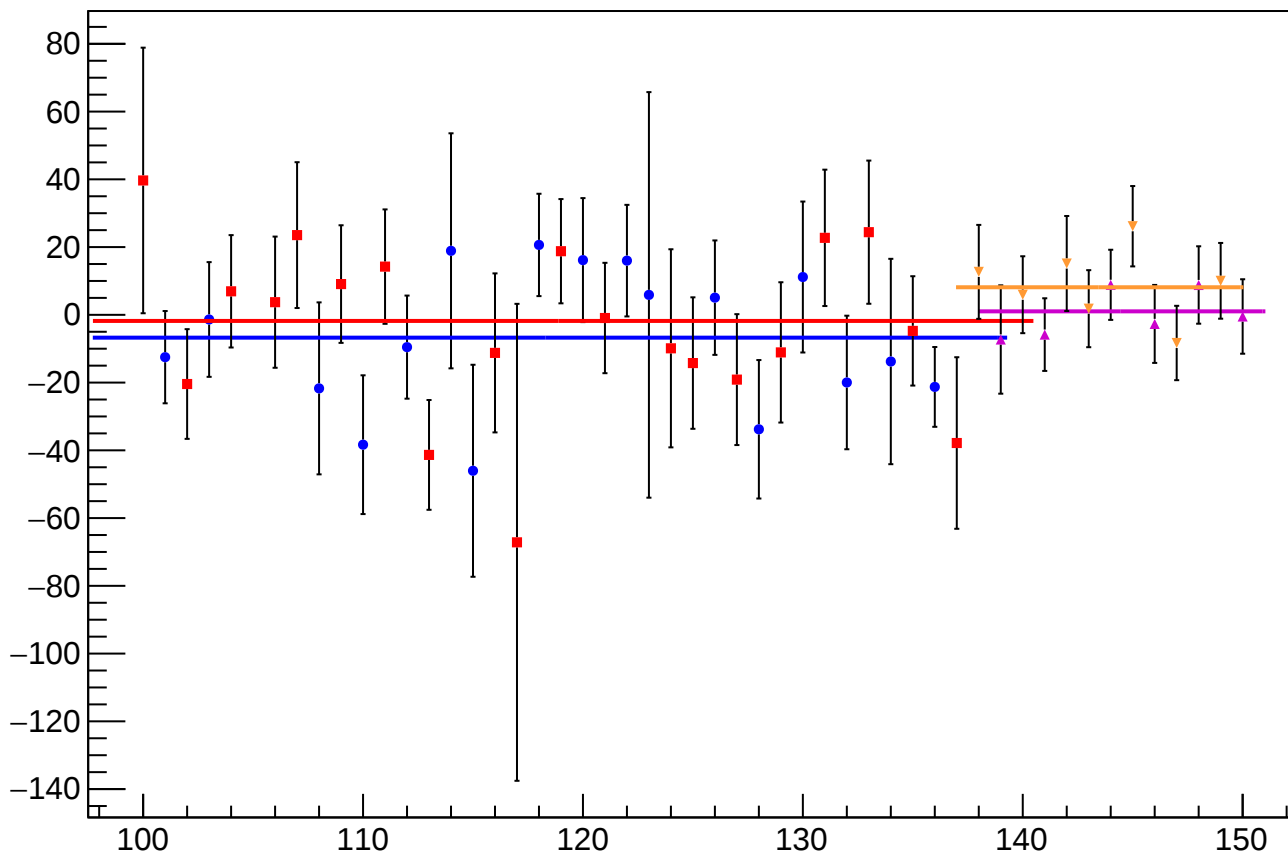
Left In: 5174.288+/-1.897 χ^2/NDF : 1893230.9/5

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

5865.242+/-0.943 χ^2/NDF : 7273029.9/49

5547.077+/-1.275 χ^2/NDF : 4263699.2/25

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -6.736 $\pm$ 4.513 χ^2/NDF : 16.9/16

Left Out: 8.139 $\pm$ 4.509 χ^2/NDF : 5.3/6

Right Out: -1.802 $\pm$ 4.364 χ^2/NDF : 20.8/19

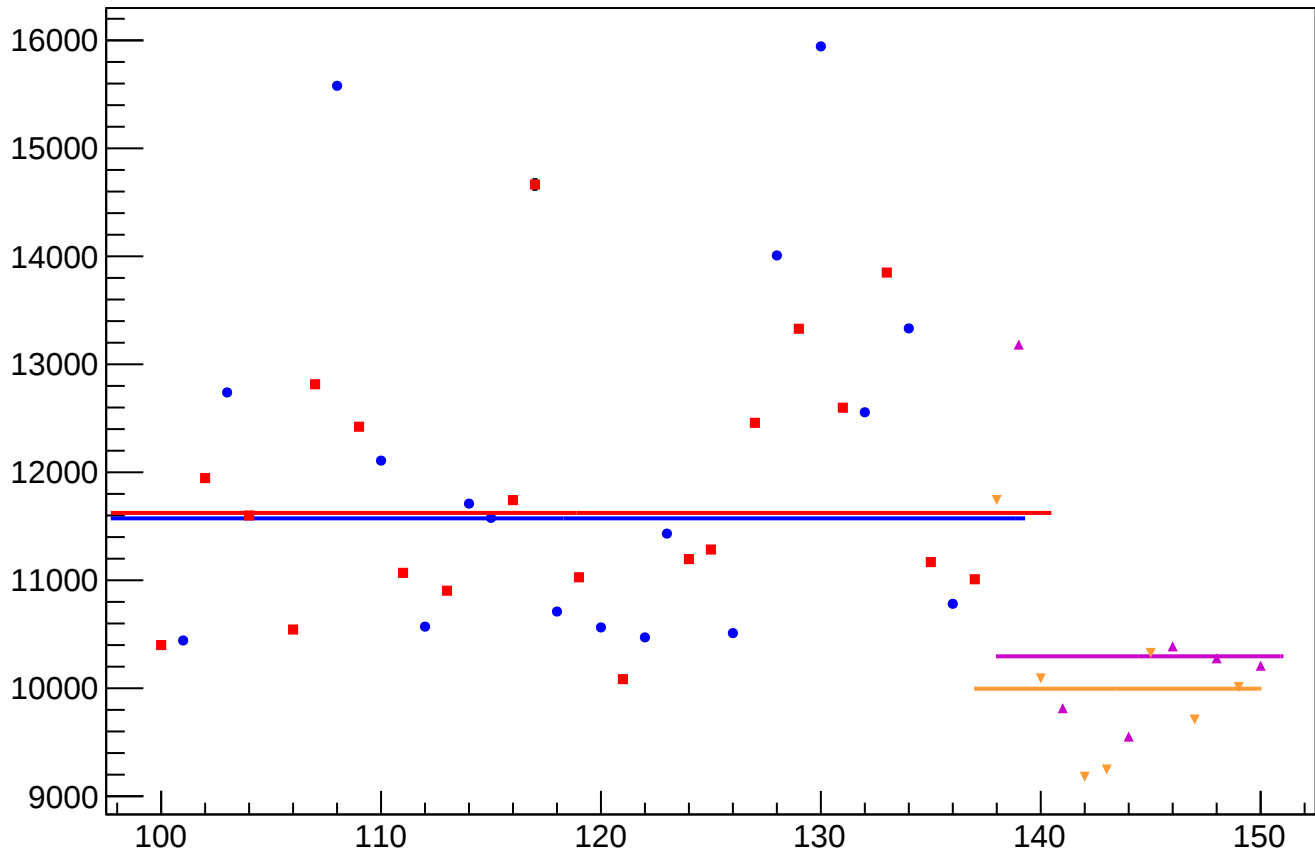
Left In: 1.027 $\pm$ 4.692 χ^2/NDF : 1.8/5

0.707 $\pm$ 3.190 χ^2/NDF : 27.6/23

0.110 $\pm$ 2.257 χ^2/NDF : 50.5/49

-0.489 $\pm$ 3.195 χ^2/NDF : 22.9/25

diff_bpm11X_rms vs Slug, Sign Corrected



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

Left Out: 9995.956 $\pm$ 3.188 χ^2/NDF : 50241.7/6

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

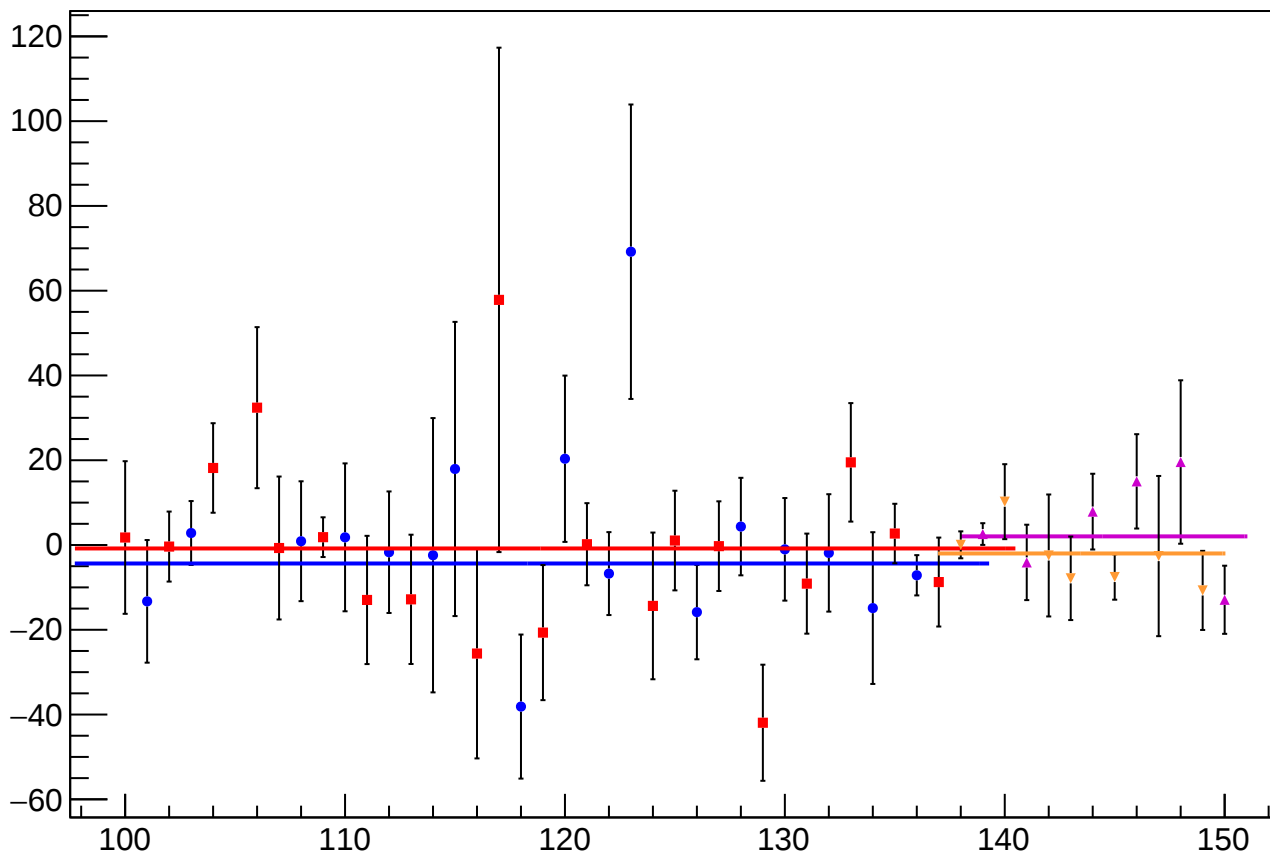
Left In: 10296.051 $\pm$ 3.318 χ^2/NDF : 79763.2/5

10784.066 $\pm$ 2.256 χ^2/NDF : 411270.9/23

10895.837 $\pm$ 1.596 χ^2/NDF : 679906.8/49

11008.001 $\pm$ 2.259 χ^2/NDF : 263715.9/25

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.361 $\pm$ 2.776 χ^2/NDF : 14.5/16

Left Out: -1.997 $\pm$ 2.383 χ^2/NDF : 4.6/6

Right Out: -0.816 $\pm$ 2.424 χ^2/NDF : 24.5/19

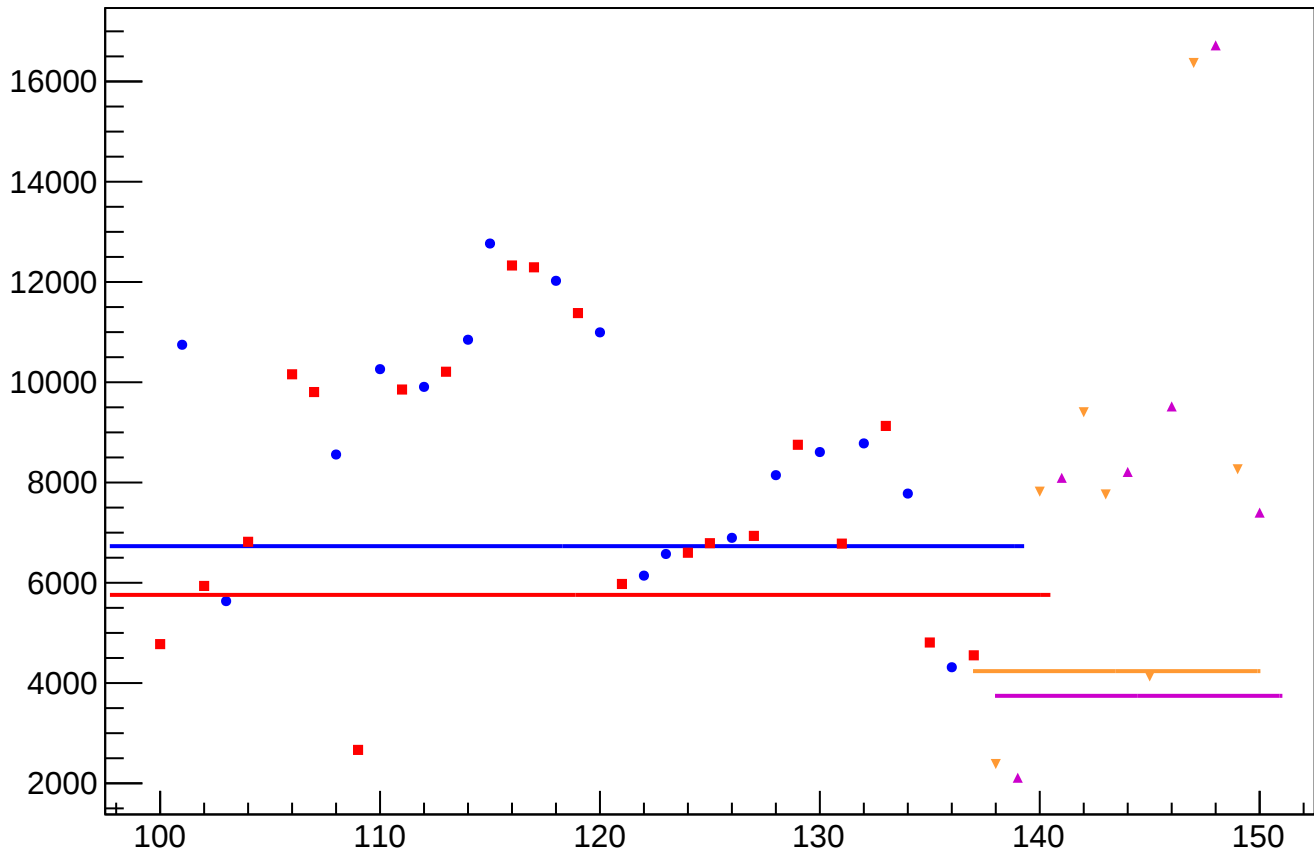
Left In: 2.035 $\pm$ 2.215 χ^2/NDF : 6.6/5

-3.000 $\pm$ 1.808 χ^2/NDF : 19.6/23

-0.944 $\pm$ 1.213 χ^2/NDF : 53.8/49

0.738 $\pm$ 1.635 χ^2/NDF : 31.9/25

diff_bpm11Y_rms vs Slug, Sign Corrected



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

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

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

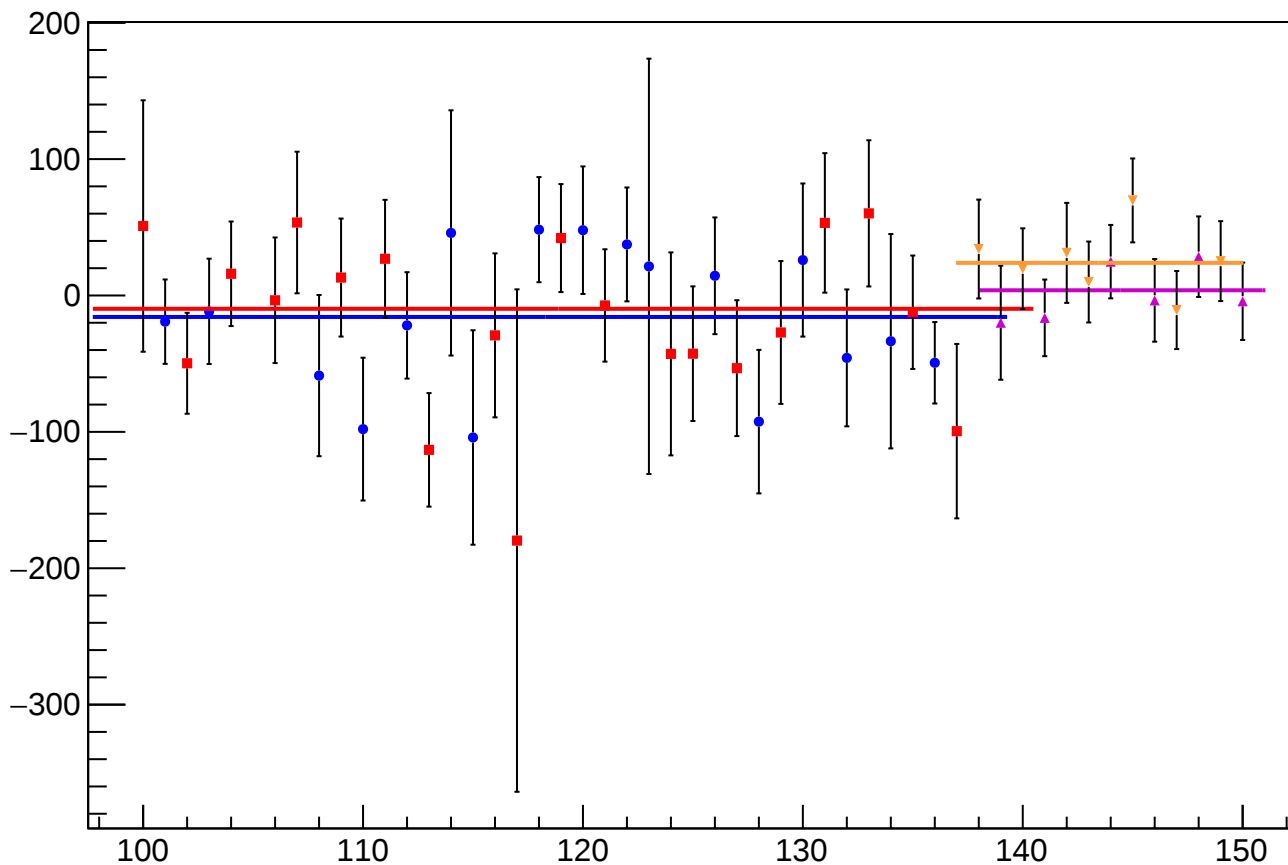
Left In: 3745.105+/-1.566 χ^2/NDF : 3648778.5/5

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

4946.356+/-0.858 χ^2/NDF : 11815003.6/4

4661.118+/-1.156 χ^2/NDF : 6587191.4/25

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -15.751 $\pm$ 11.207 χ^2/NDF : 15.9/16

Left Out: 23.923 $\pm$ 11.765 χ^2/NDF : 4.0/6

Right Out: -9.773 $\pm$ 10.870 χ^2/NDF : 20.1/19

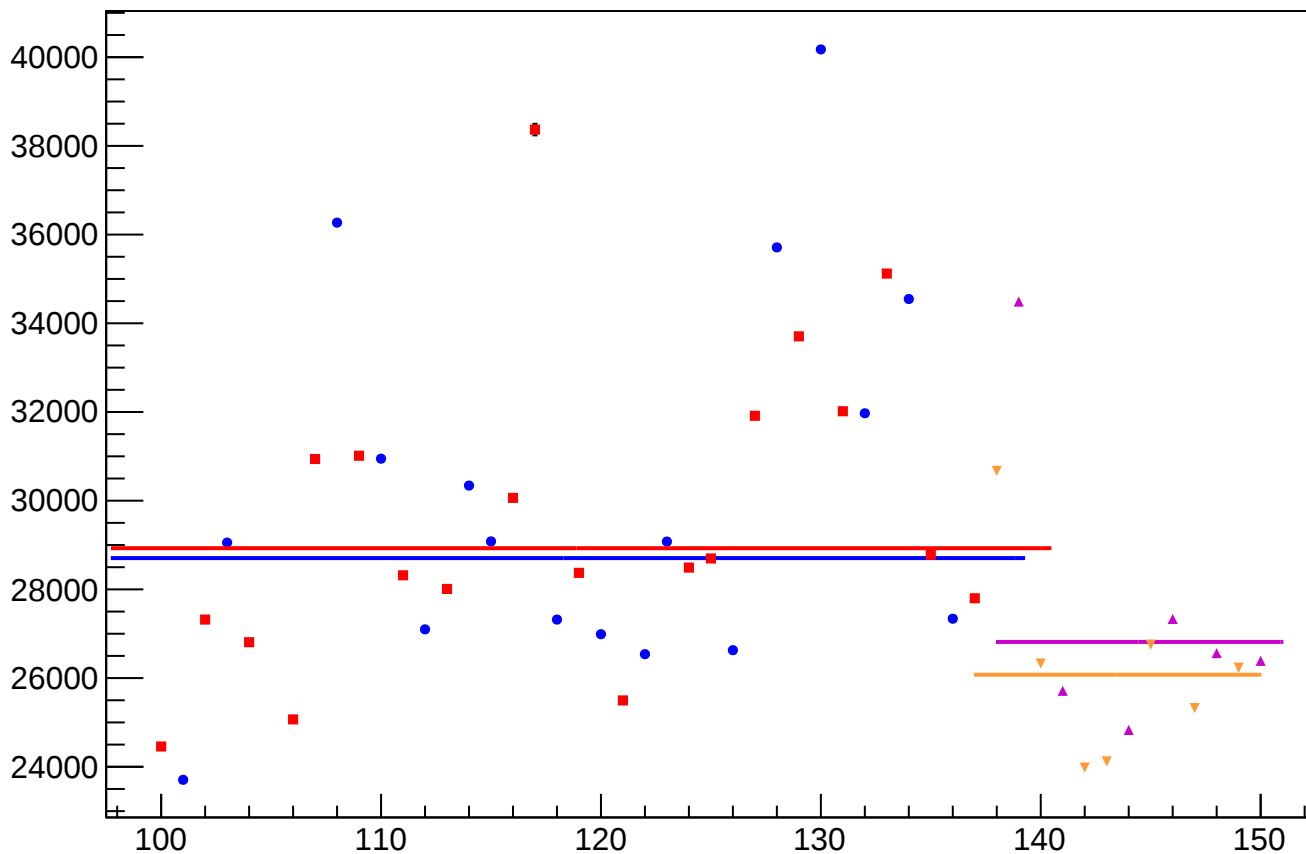
Left In: 3.809 $\pm$ 12.221 χ^2/NDF : 2.3/5

3.124 $\pm$ 8.115 χ^2/NDF : 25.9/23

-0.322 $\pm$ 5.741 χ^2/NDF : 49.4/49

-3.774 $\pm$ 8.122 χ^2/NDF : 23.1/25

diff_bpm12X_rms vs Slug, Sign Corrected



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

Left Out: 26075.190 ± 8.319 $\chi^2/\text{NDF}: 49948.4/6$

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

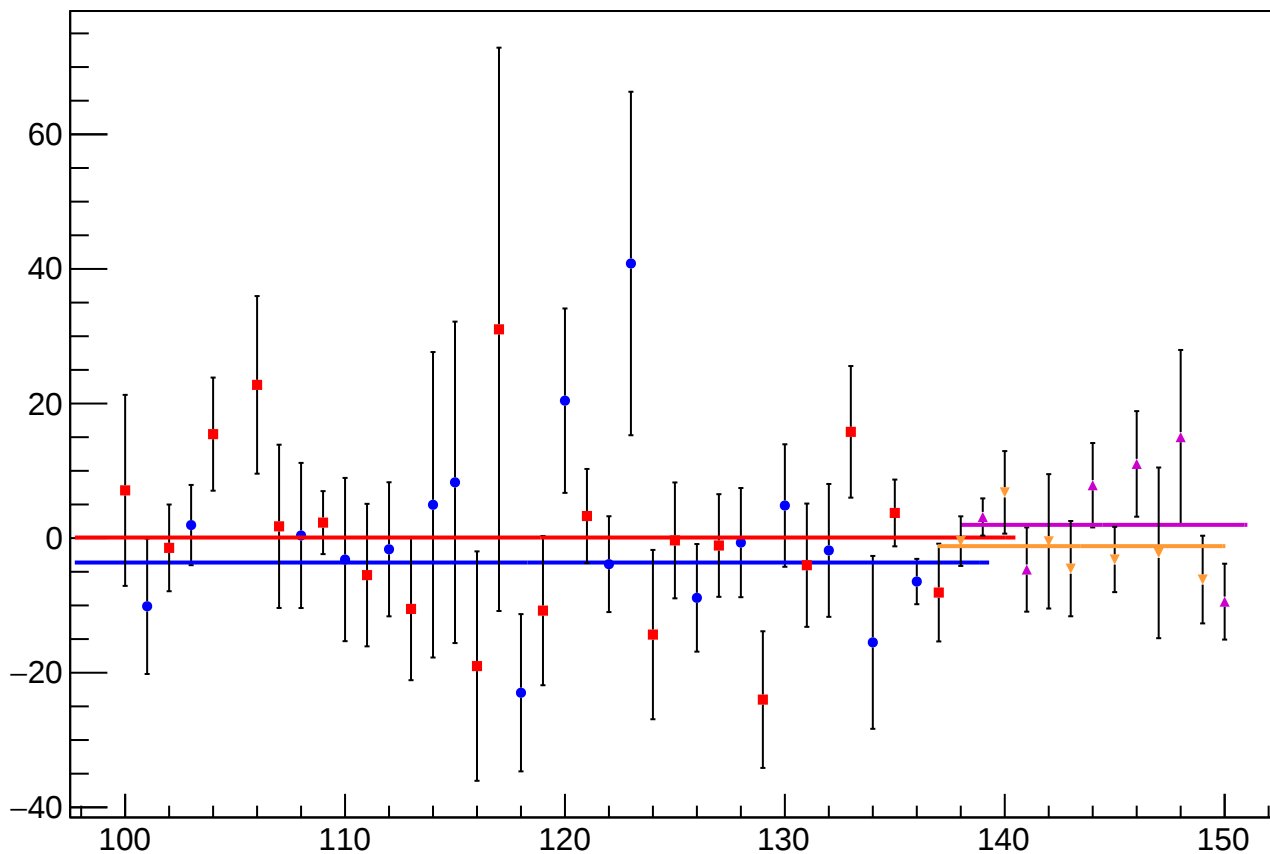
Left In: 26814.809 ± 8.642 $\chi^2/\text{NDF}: 82465.3/5$

27454.196 ± 5.738 $\chi^2/\text{NDF}: 353351.6/23$

27724.312 ± 4.059 $\chi^2/\text{NDF}: 590136.6/49$

27994.919 ± 5.743 $\chi^2/\text{NDF}: 232349.0/25$

diff_bpm12Y_mean vs Slug, Sign Corrected



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

Left Out: -1.191+/-2.222 χ^2/NDF : 2.7/6

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

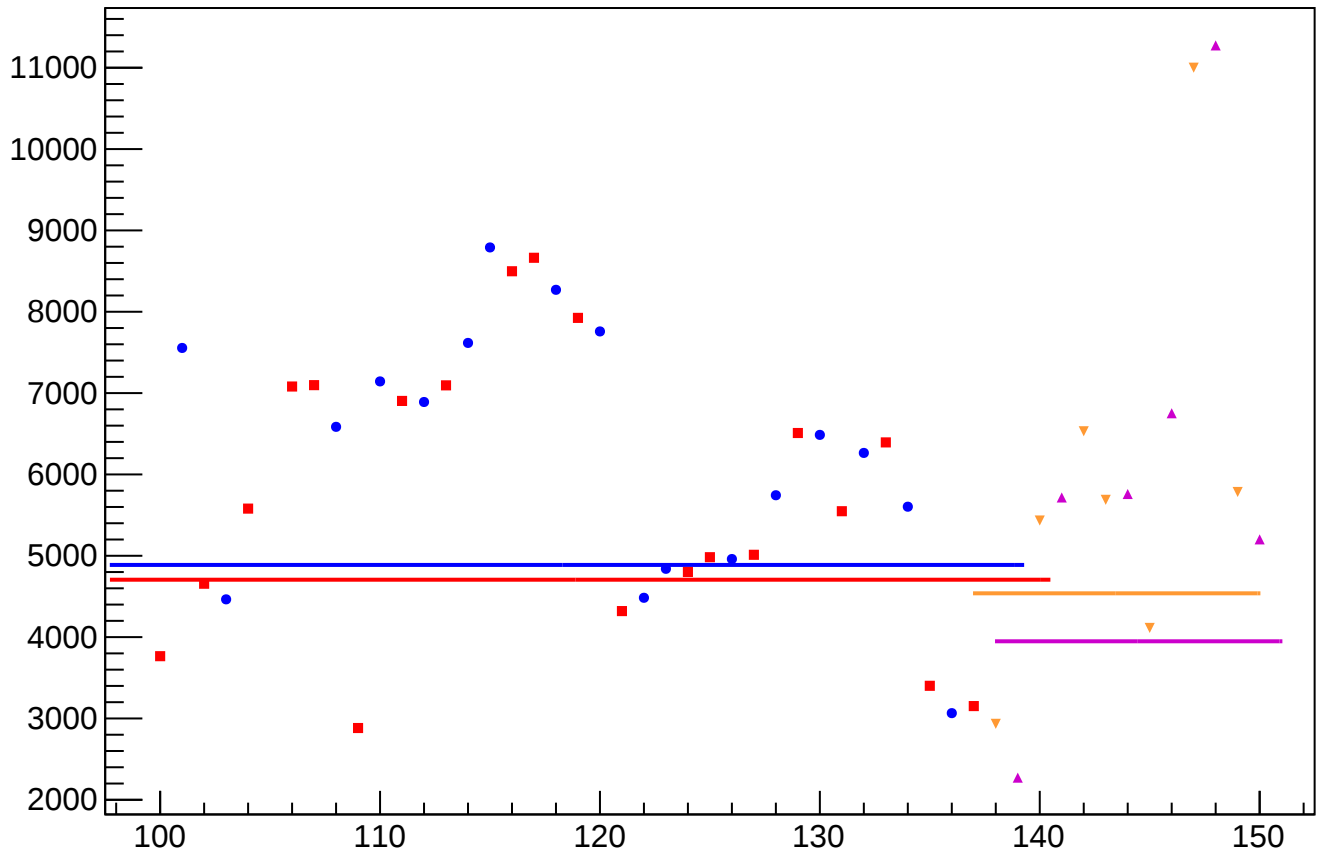
Left In: 1.973+/-2.059 χ^2/NDF : 8.6/5

-2.532+/-1.489 χ^2/NDF : 17.1/23

-0.673+/-1.017 χ^2/NDF : 51.8/49

0.950+/-1.392 χ^2/NDF : 31.7/25

diff_bpm12Y_rms vs Slug, Sign Corrected



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

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

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

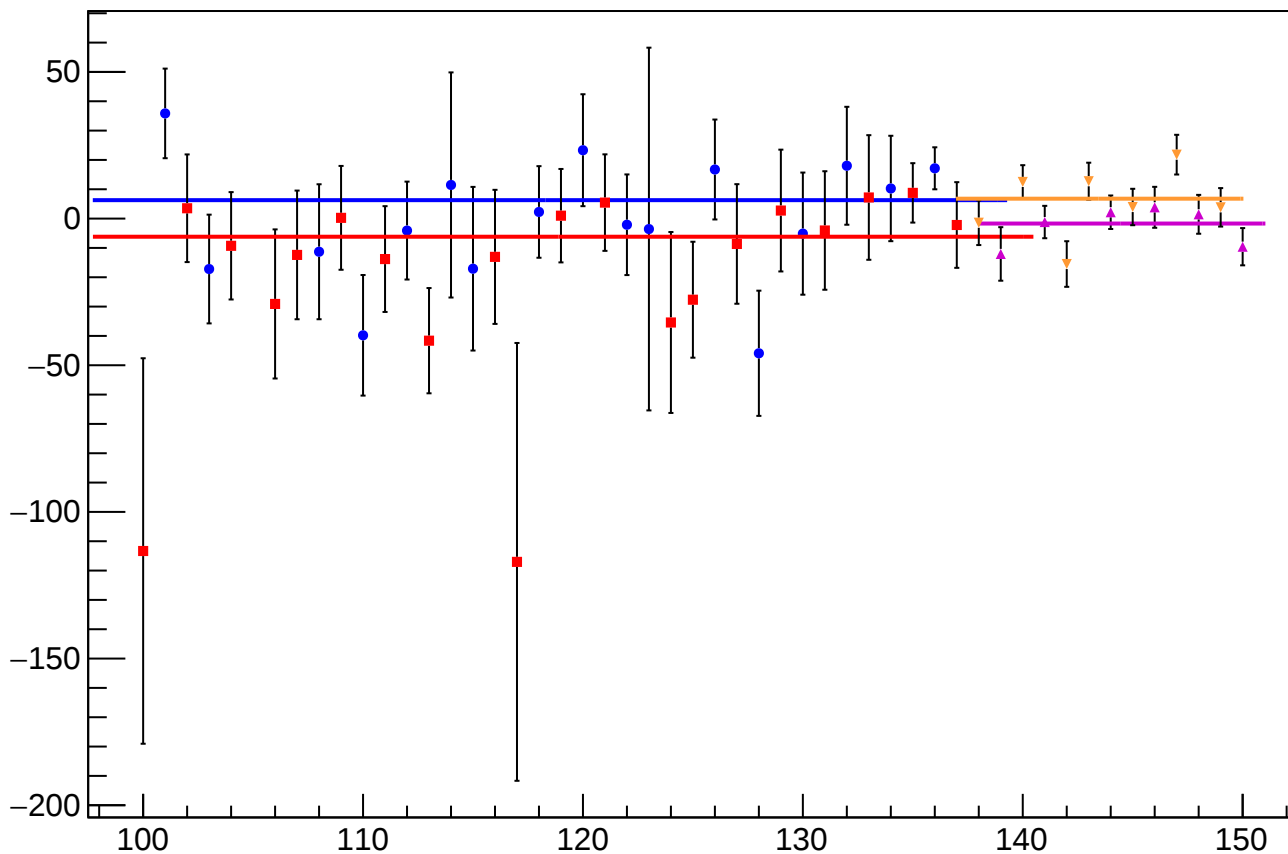
Left In: 3948.685+/-1.456 χ^2/NDF : 2057291.7/5

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

4532.915+/-0.719 χ^2/NDF : 6200023.5/49

4360.058+/-0.984 χ^2/NDF : 3535200.5/25

diff_bpm16X_mean vs Slug, Sign Corrected



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

Left Out: 6.784 $\pm$ 2.496 χ^2/NDF : 16.6/6

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

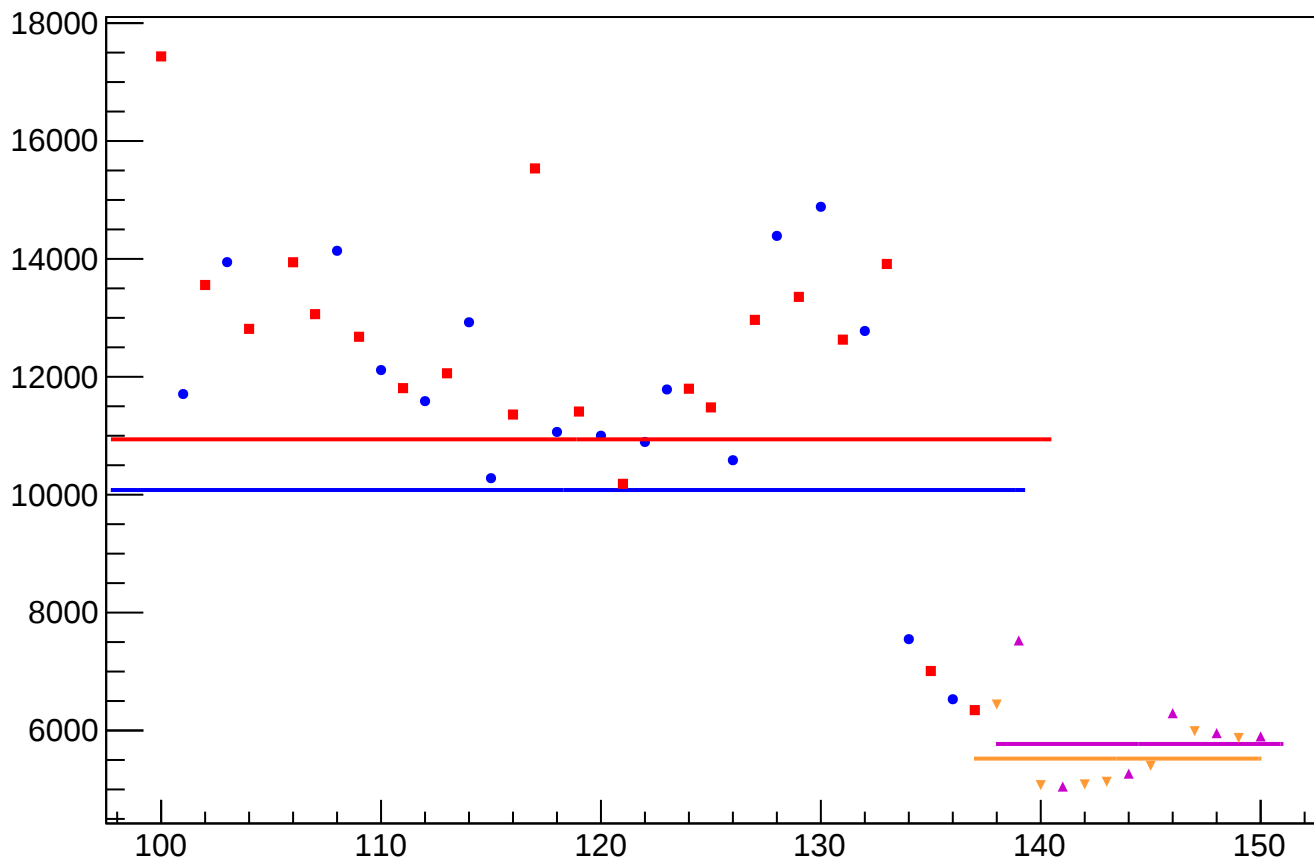
Left In: -1.689 $\pm$ 2.639 χ^2/NDF : 4.2/5

6.647 $\pm$ 2.127 χ^2/NDF : 39.1/23

2.086 $\pm$ 1.541 χ^2/NDF : 69.8/49

-2.955 $\pm$ 2.236 χ^2/NDF : 21.0/25

diff_bpm16X_rms vs Slug, Sign Corrected



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

Left Out: 5523.367 $\pm$ 1.765 χ^2 /NDF: 71420.3/6

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

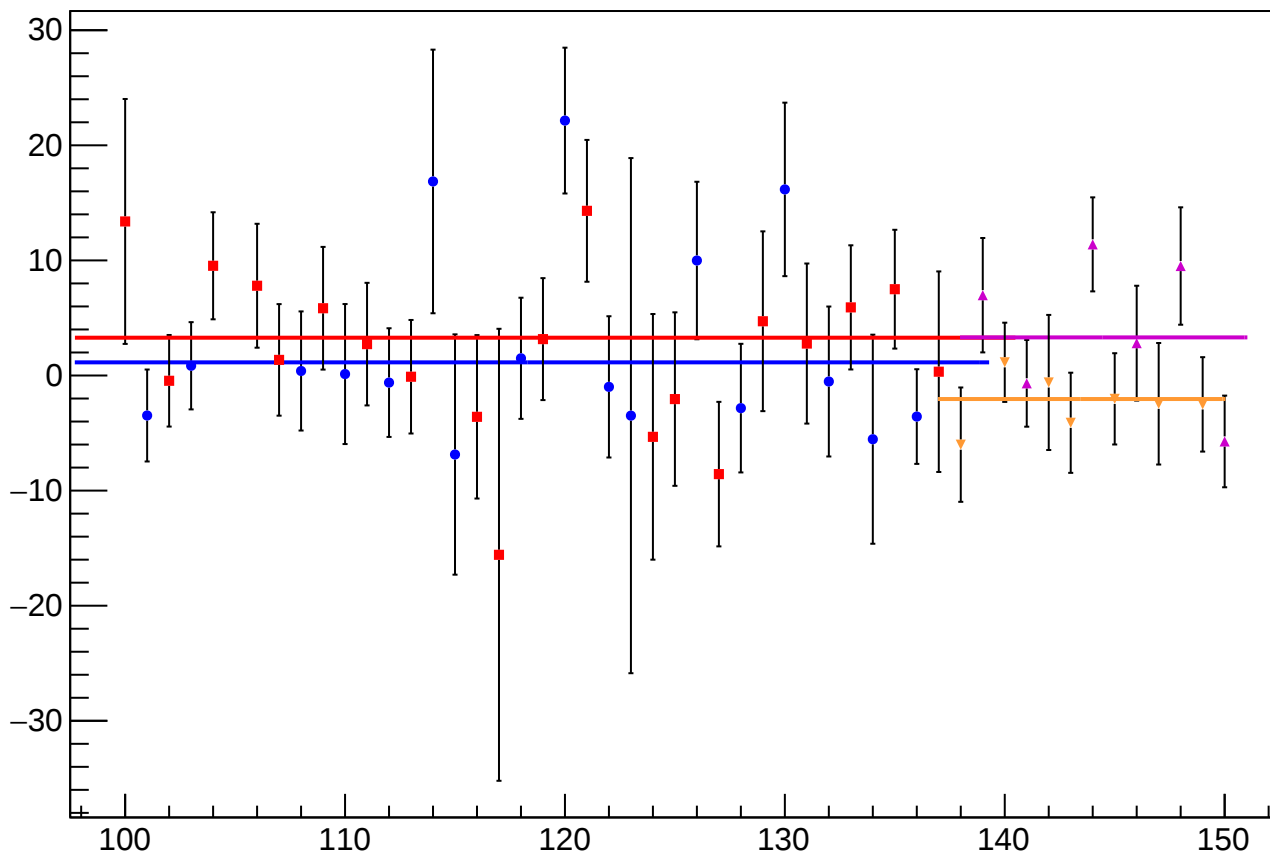
Left In: 5771.553 $\pm$ 1.866 χ^2 /NDF: 137408.0/5

6771.382 $\pm$ 1.504 χ^2 /NDF: 2891100.9/23

6988.265 $\pm$ 1.090 χ^2 /NDF: 6010027.3/49

7227.989 $\pm$ 1.581 χ^2 /NDF: 3075150.2/25

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.142 $\pm$ 1.395 χ^2 /NDF: 23.2/16

Left Out: -2.043 $\pm$ 1.653 χ^2 /NDF: 1.8/6

Right Out: 3.284 $\pm$ 1.330 χ^2 /NDF: 16.0/19

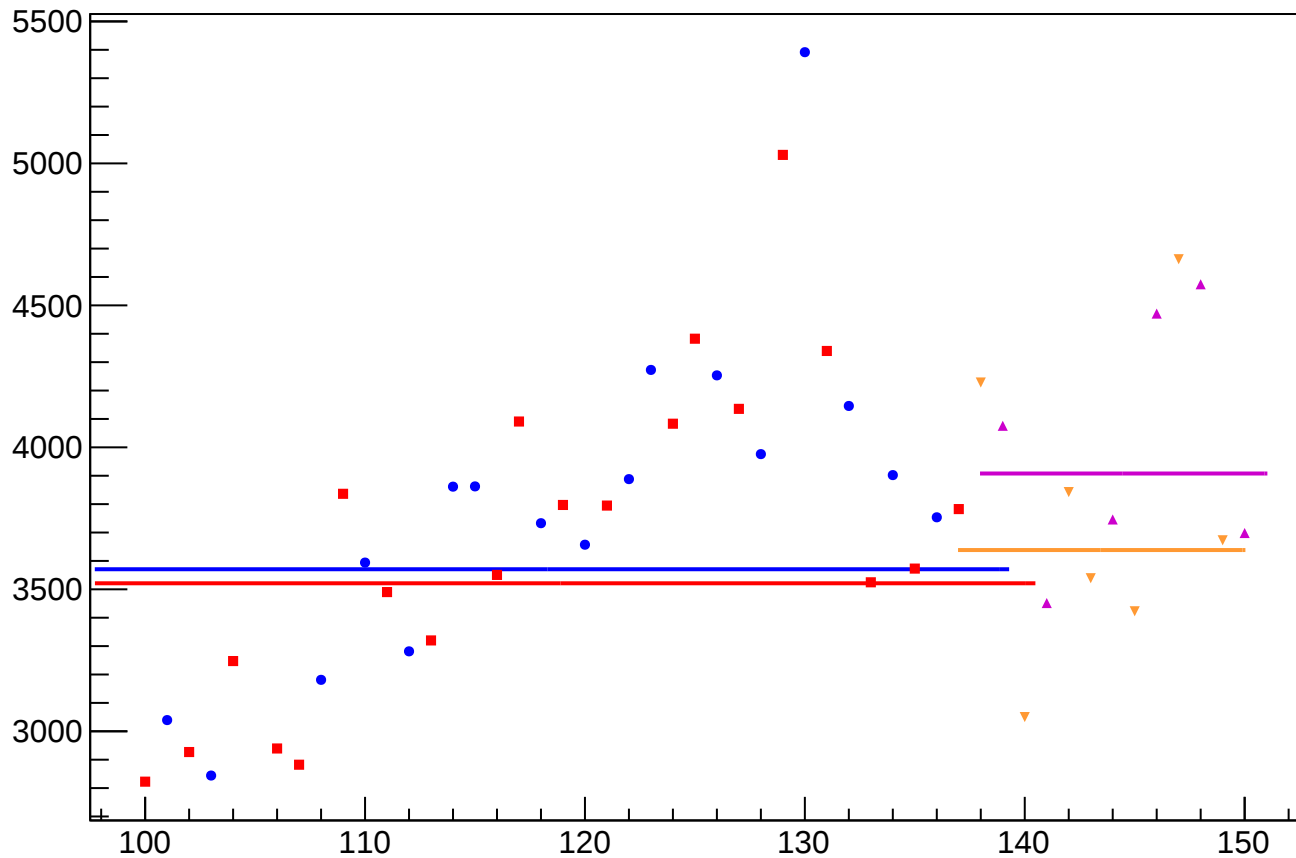
Left In: 3.311 $\pm$ 1.789 χ^2 /NDF: 12.2/5

-0.183 $\pm$ 1.066 χ^2 /NDF: 27.2/23

1.554 $\pm$ 0.754 χ^2 /NDF: 60.7/49

3.294 $\pm$ 1.067 χ^2 /NDF: 28.2/25

diff_bpm16Y_rms vs Slug, Sign Corrected



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

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

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

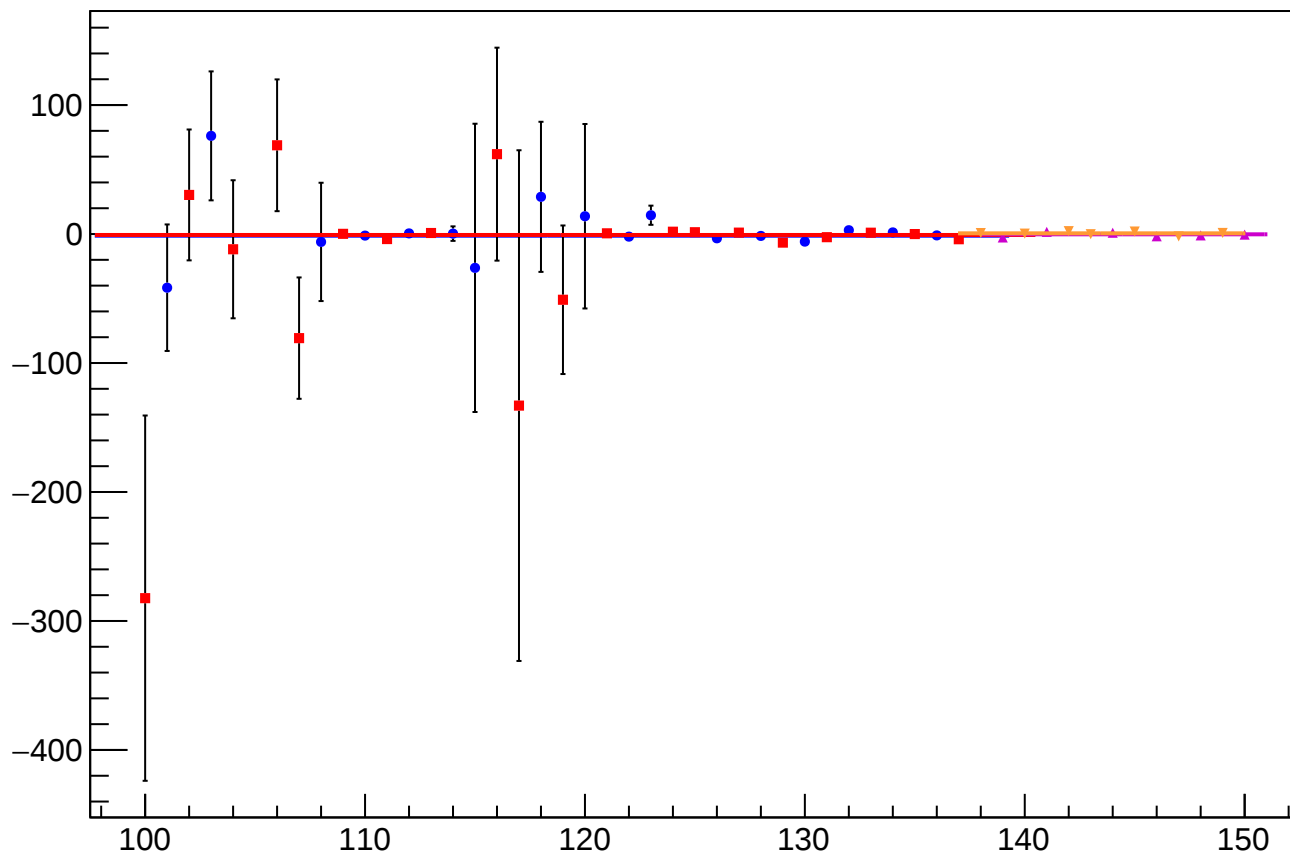
Left In: 3907.869 +/- 1.265 χ^2/NDF : 99934.1/5

3598.825 +/- 0.754 χ^2/NDF : 482970.6/23

3628.838 +/- 0.533 χ^2/NDF : 941164.2/49

3658.909 +/- 0.755 χ^2/NDF : 455021.7/25

diff_bpm1p02bX_mean vs Slug, Sign Corrected



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

Left Out: 0.543 ± 0.473 χ^2/NDF : 6.5/6

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

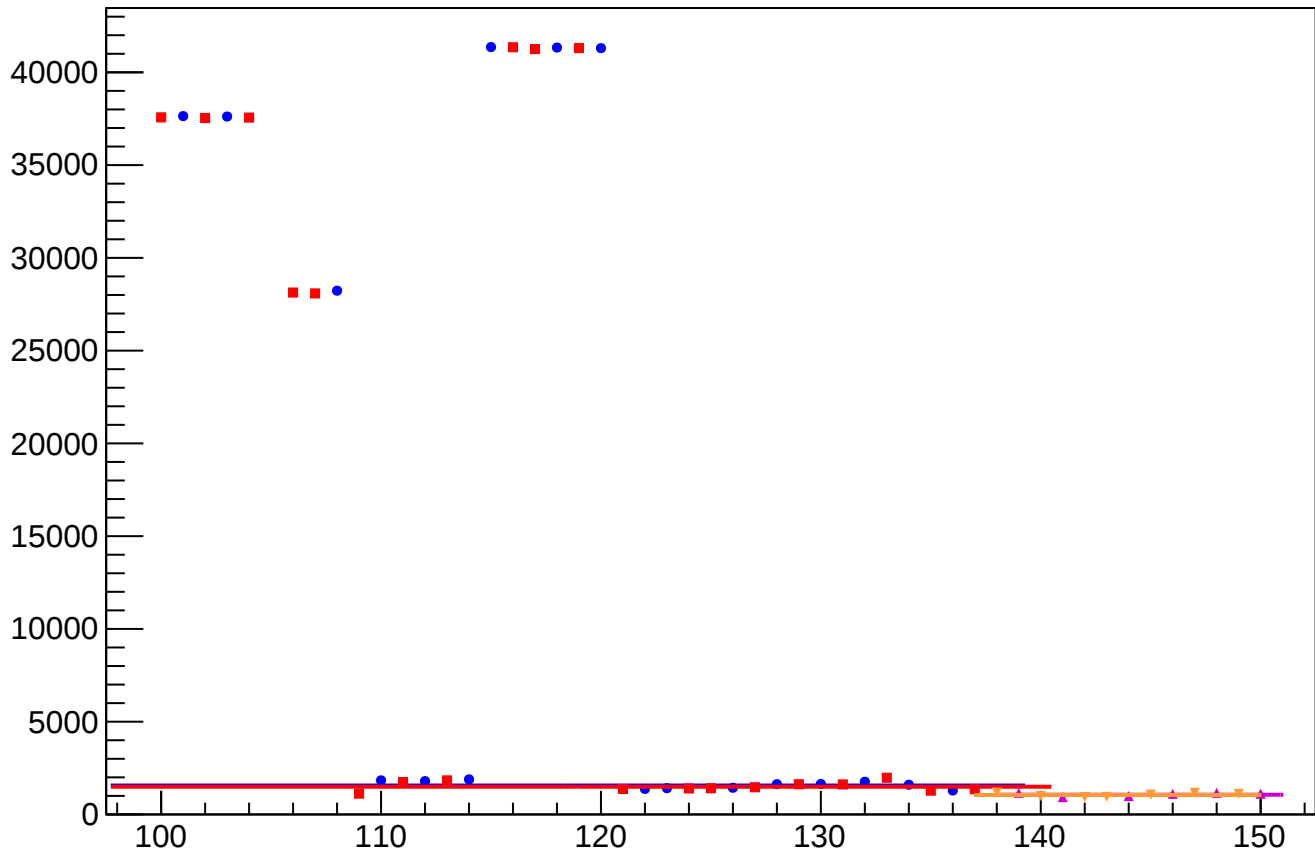
Left In: -0.222 ± 0.485 χ^2/NDF : 9.7/5

0.027 ± 0.400 χ^2/NDF : 27.0/23

-0.179 ± 0.283 χ^2/NDF : 60.1/49

-0.385 ± 0.401 χ^2/NDF : 32.6/25

diff_bpm1p02bX_rms vs Slug, Sign Corrected



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

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

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

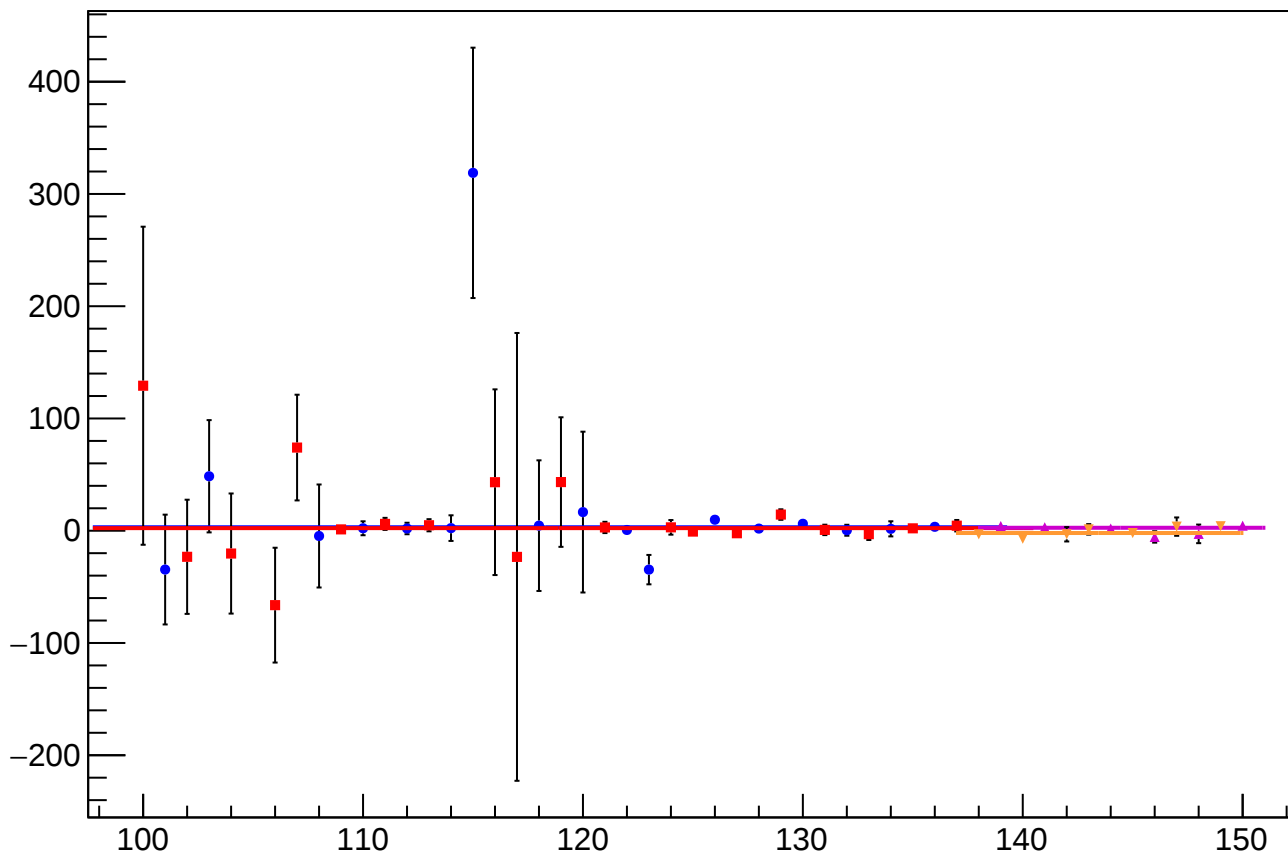
Left In: 1063.601 +/- 0.343 χ^2/NDF : 70968.8/5

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

1198.012 +/- 0.200 χ^2/NDF : 11036970.1/4

1200.844 +/- 0.283 χ^2/NDF : 5547990.9/25

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.075 $\pm$ 1.323 χ^2/NDF : 21.9/16

Left Out: -2.036 $\pm$ 1.454 χ^2/NDF : 4.8/6

Right Out: 2.305 $\pm$ 1.235 χ^2/NDF : 16.9/19

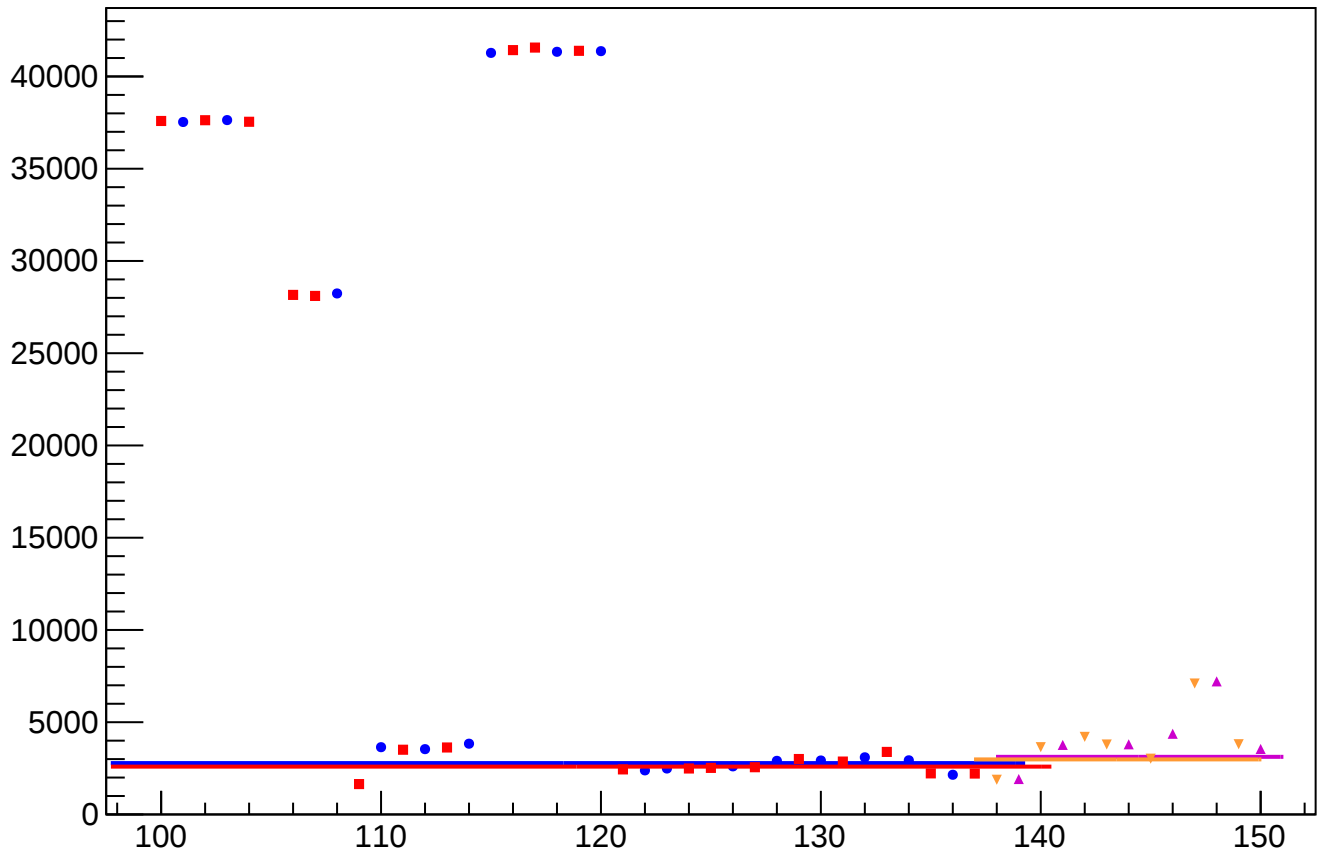
Left In: 2.636 $\pm$ 1.548 χ^2/NDF : 3.7/5

0.760 $\pm$ 0.979 χ^2/NDF : 33.5/23

1.608 $\pm$ 0.687 χ^2/NDF : 55.7/49

2.433 $\pm$ 0.965 χ^2/NDF : 20.7/25

diff_bpm1p02bY_rms vs Slug, Sign Corrected



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

Left Out: 2983.418 ± 1.028 $\chi^2/\text{NDF}: 1240426.7/6$

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

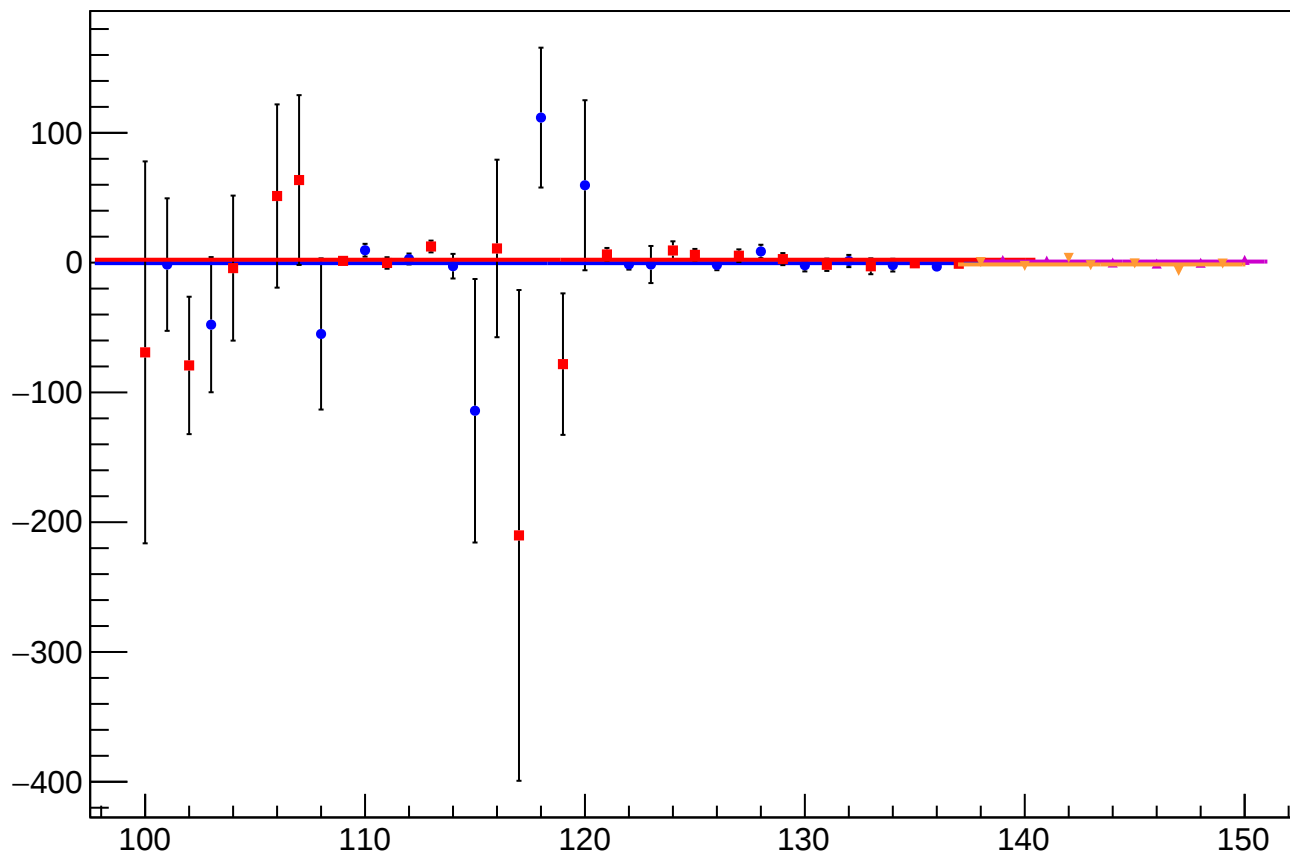
Left In: 3123.220 ± 1.095 $\chi^2/\text{NDF}: 1253521.2/5$

2874.333 ± 0.692 $\chi^2/\text{NDF}: 5838431.4/23$

2836.073 ± 0.486 $\chi^2/\text{NDF}: 12164632.2/4$

2798.851 ± 0.683 $\chi^2/\text{NDF}: 6320169.9/25$

diff_bpm1p03aX_mean vs Slug, Sign Corrected



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

Left Out: -1.383 ± 0.711 χ^2/NDF : 13.3/6

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

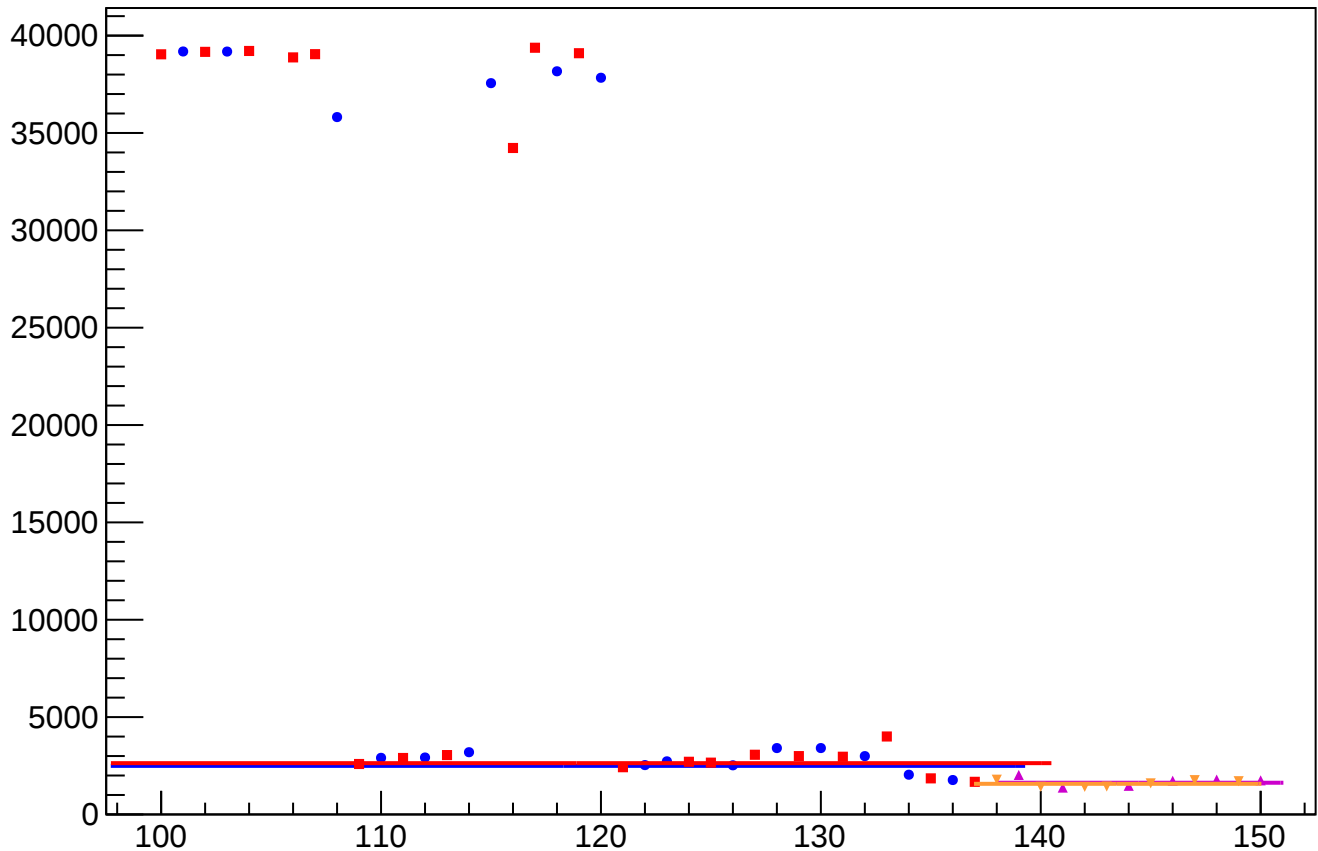
Left In: 0.813 ± 0.746 χ^2/NDF : 2.0/5

-1.134 ± 0.614 χ^2/NDF : 32.0/23

-0.021 ± 0.443 χ^2/NDF : 60.5/49

1.188 ± 0.640 χ^2/NDF : 21.7/25

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2495.603 ± 0.861 $\chi^2/\text{NDF}: 4882334.6/16$

Left Out: 1573.563 ± 0.503 $\chi^2/\text{NDF}: 89799.6/6$

Right Out: 2634.840 ± 0.881 $\chi^2/\text{NDF}: 4936039.0/19$

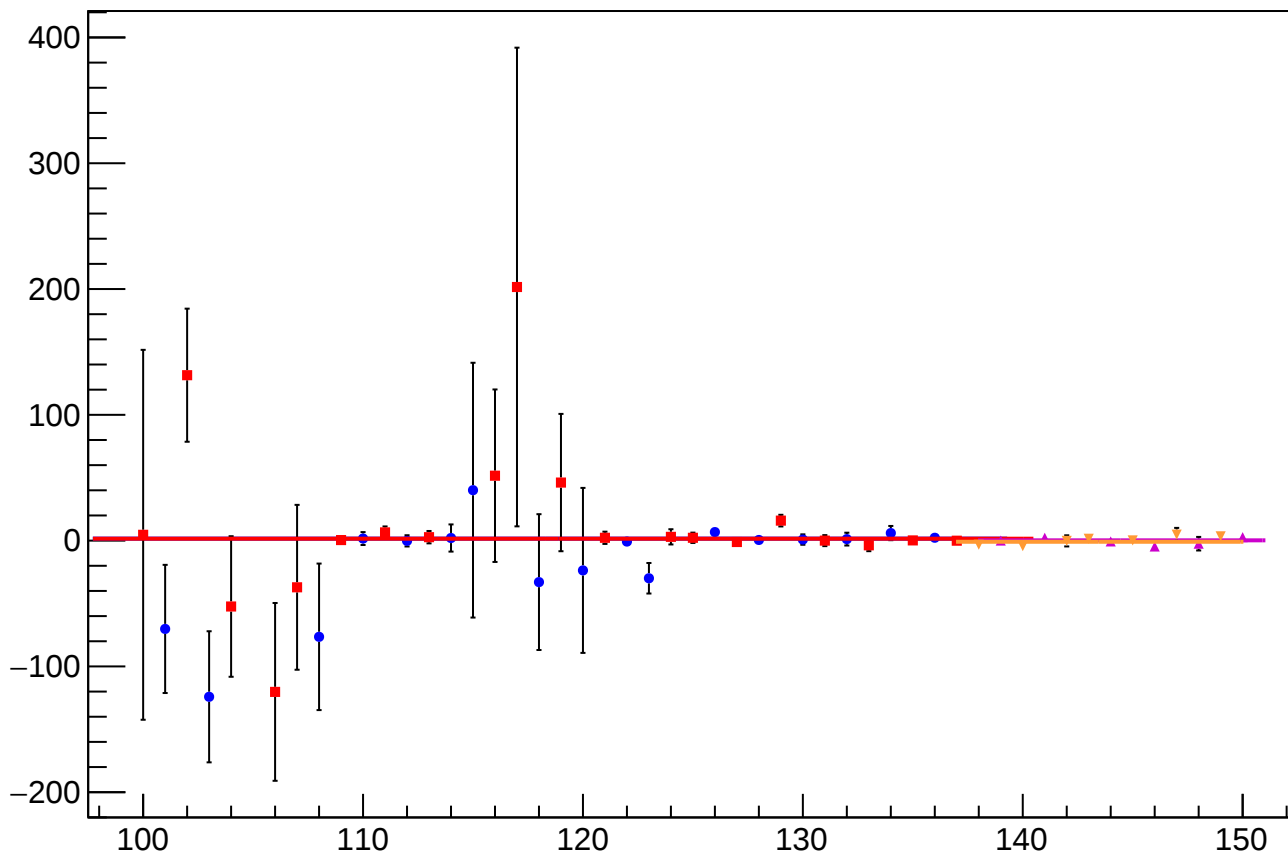
Left In: 1628.751 ± 0.527 $\chi^2/\text{NDF}: 154782.1/5$

1807.859 ± 0.434 $\chi^2/\text{NDF}: 5827266.0/23$

1849.255 ± 0.313 $\chi^2/\text{NDF}: 11897088.3/4$

1894.250 ± 0.453 $\chi^2/\text{NDF}: 6050843.5/25$

diff_bpm1p03aY_mean vs Slug, Sign Corrected



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

Left Out: -0.906+/-0.995 χ^2/NDF : 7.9/6

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

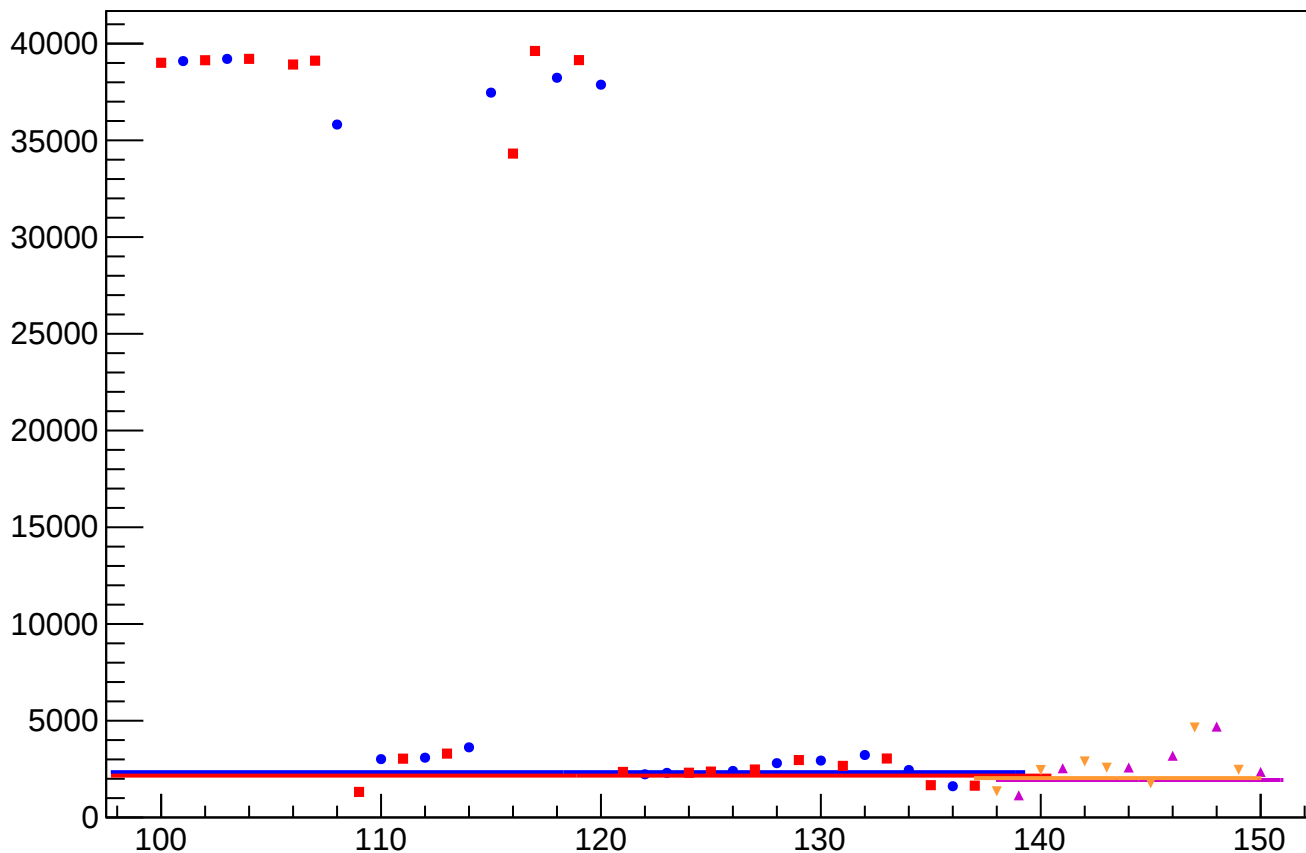
Left In: 0.230+/-0.983 χ^2/NDF : 3.7/5

0.164+/-0.750 χ^2/NDF : 30.9/23

0.510+/-0.520 χ^2/NDF : 61.9/49

0.830+/-0.722 χ^2/NDF : 30.6/25

diff_bpm1p03aY_rms vs Slug, Sign Corrected



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

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

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

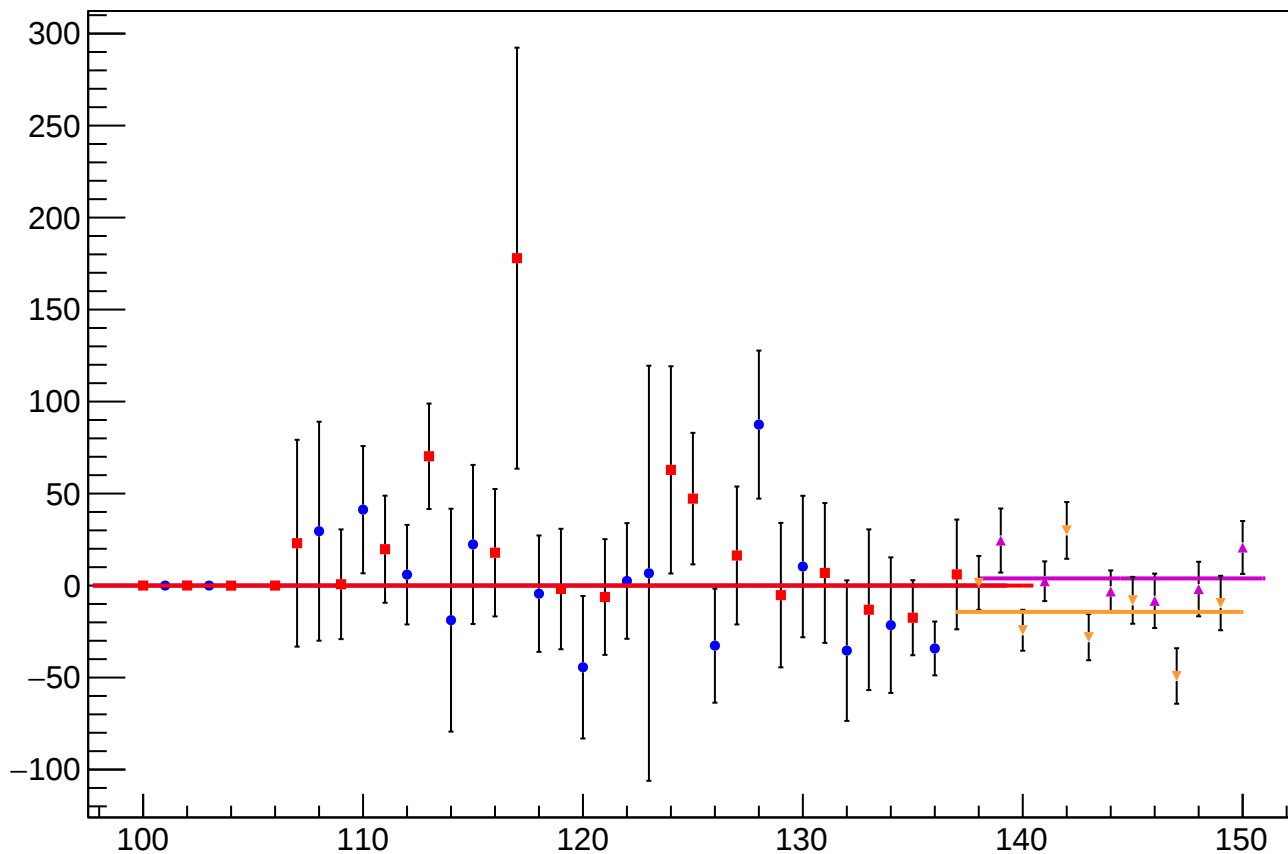
Left In: 1937.100+/-0.695 χ^2/NDF : 1659896.6/5

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

2101.406+/-0.368 χ^2/NDF : 13263820.1/4

2041.067+/-0.510 χ^2/NDF : 7084886.1/25

diff_cav4bX_mean vs Slug, Sign Corrected



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

Left Out: -14.313 +/- 5.102 χ^2/NDF : 17.1/6

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

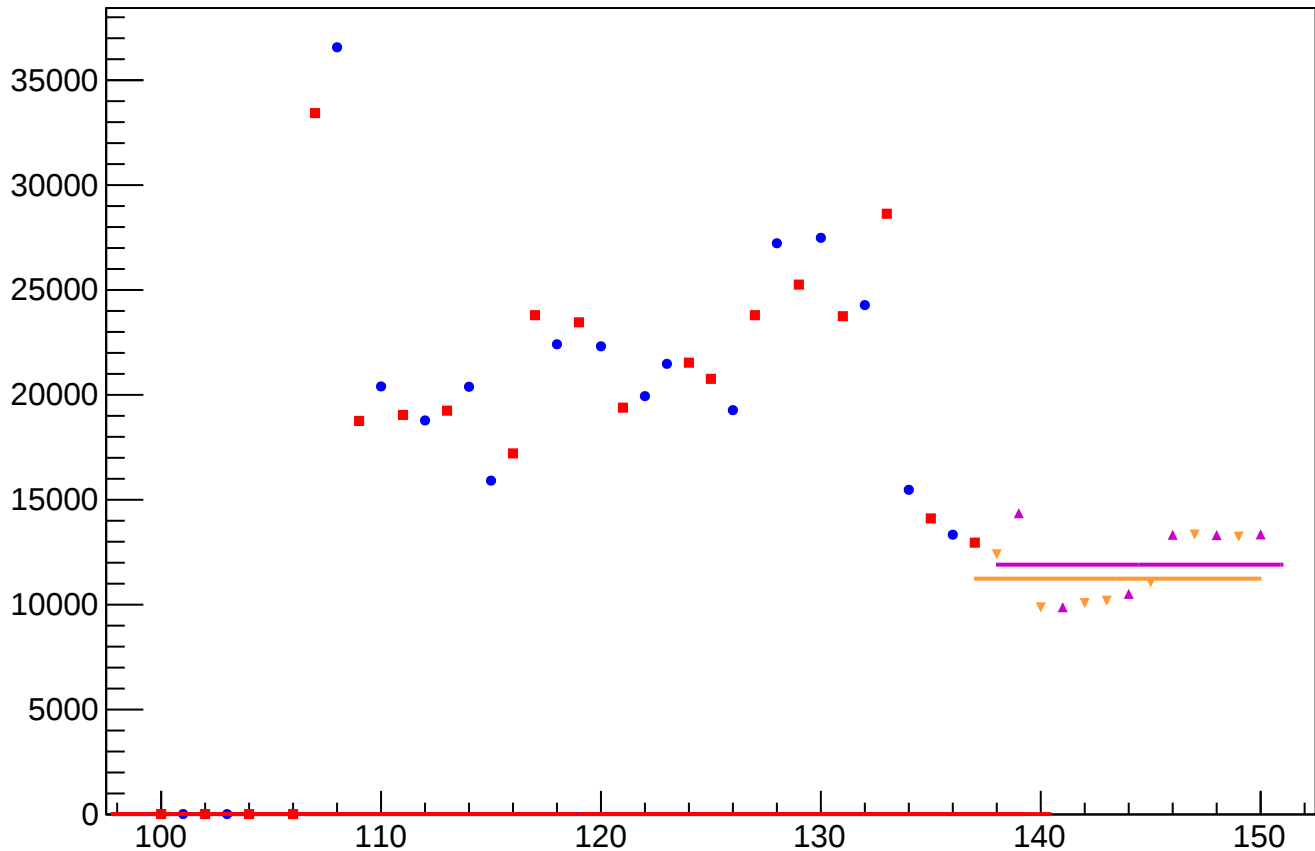
Left In: 3.884 +/- 5.462 χ^2/NDF : 4.0/5

0.013 +/- 0.017 χ^2/NDF : 41.1/23

0.004 +/- 0.012 χ^2/NDF : 64.4/49

-0.003 +/- 0.016 χ^2/NDF : 22.8/25

diff_cav4bX_rms vs Slug, Sign Corrected



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

Left Out: 11241.316+/-3.607 χ^2/NDF : 143998.3/6

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

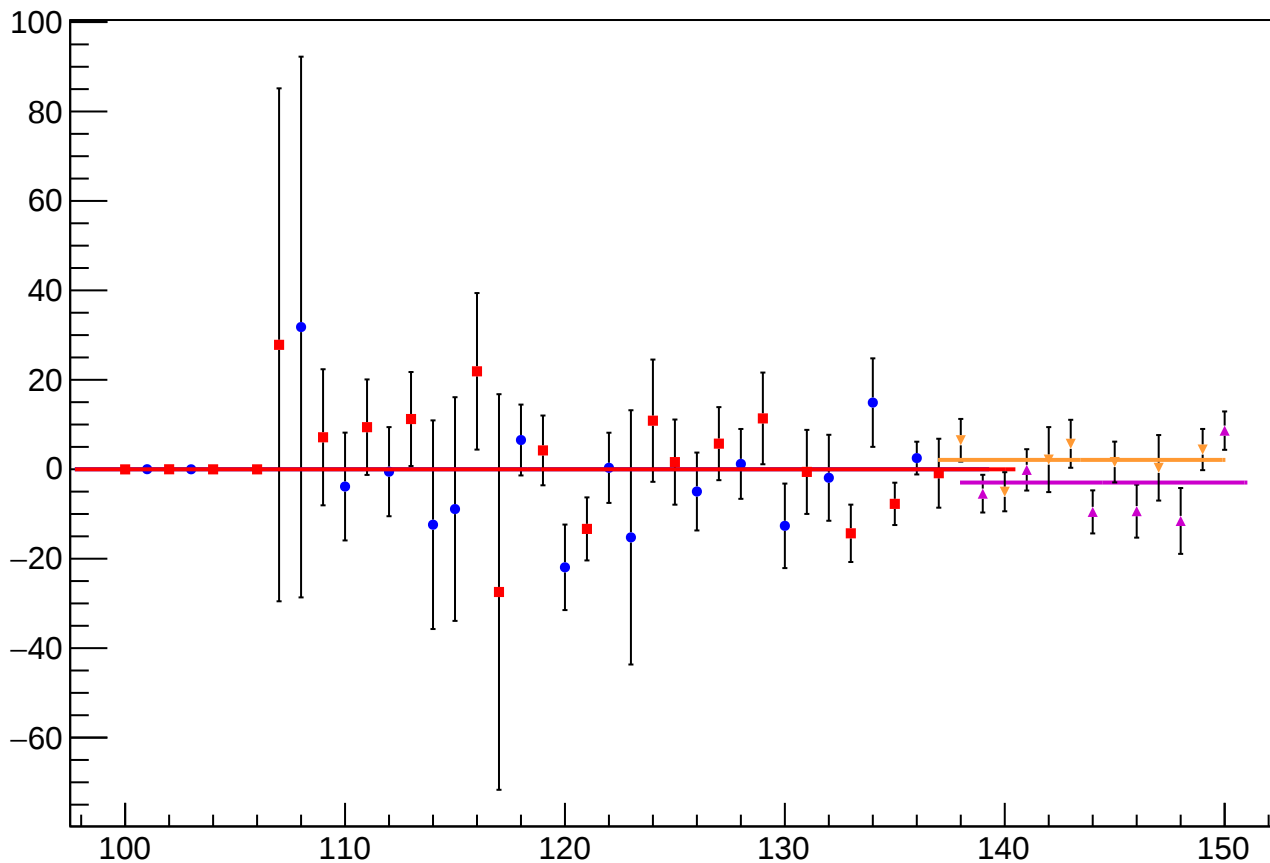
Left In: 11906.117+/-3.862 χ^2/NDF : 196808.4/5

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

18.580+/-0.008 χ^2/NDF : 41675142.2/49

18.415+/-0.011 χ^2/NDF : 20868214.8/25

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.009 χ^2/NDF : 13.0/16

Left Out: 2.093 $\pm$ 1.947 χ^2/NDF : 4.3/6

Right Out: -0.014 $\pm$ 0.009 χ^2/NDF : 19.0/19

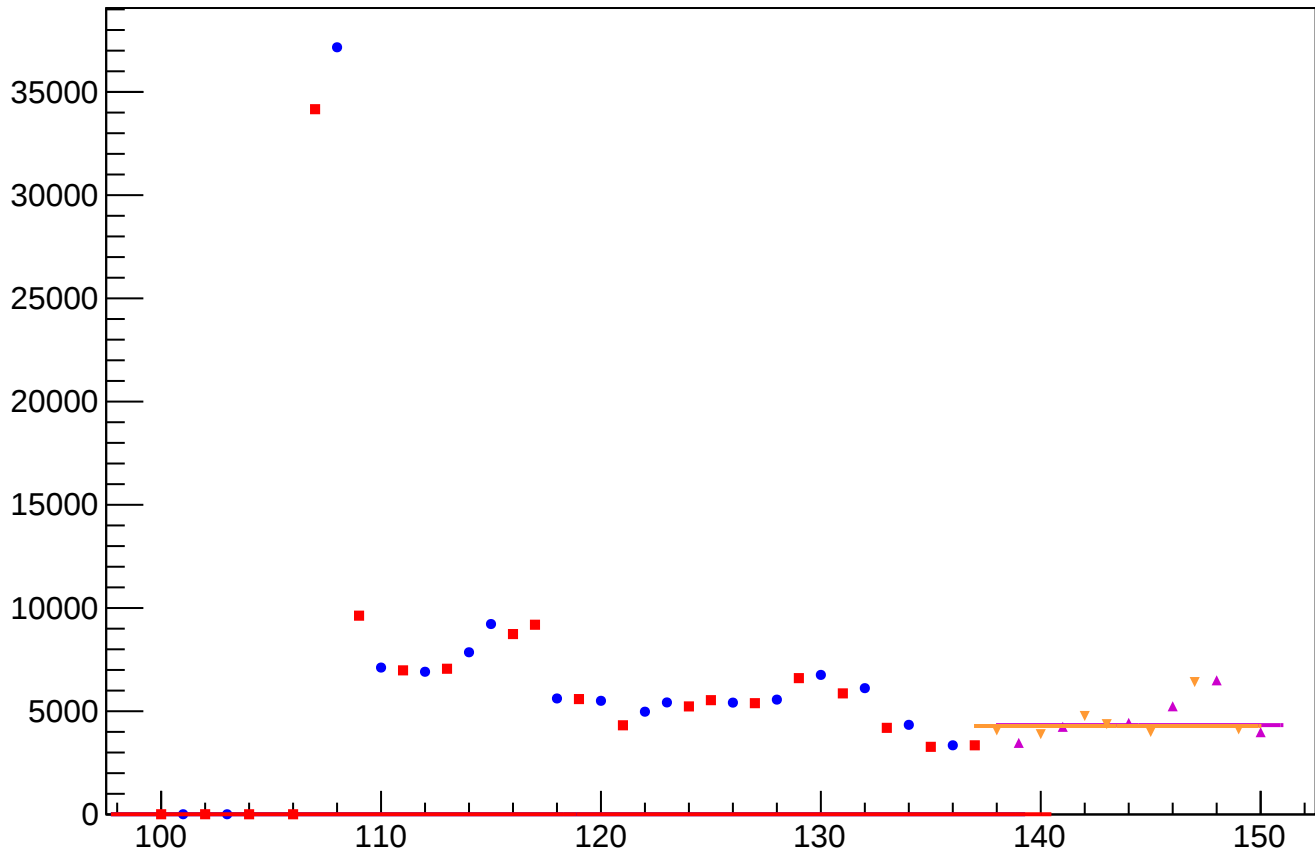
Left In: -2.973 $\pm$ 2.011 χ^2/NDF : 12.4/5

0.001 $\pm$ 0.009 χ^2/NDF : 18.5/23

-0.007 $\pm$ 0.006 χ^2/NDF : 53.4/49

-0.014 $\pm$ 0.009 χ^2/NDF : 33.5/25

diff_cav4bY_rms vs Slug, Sign Corrected



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

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

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

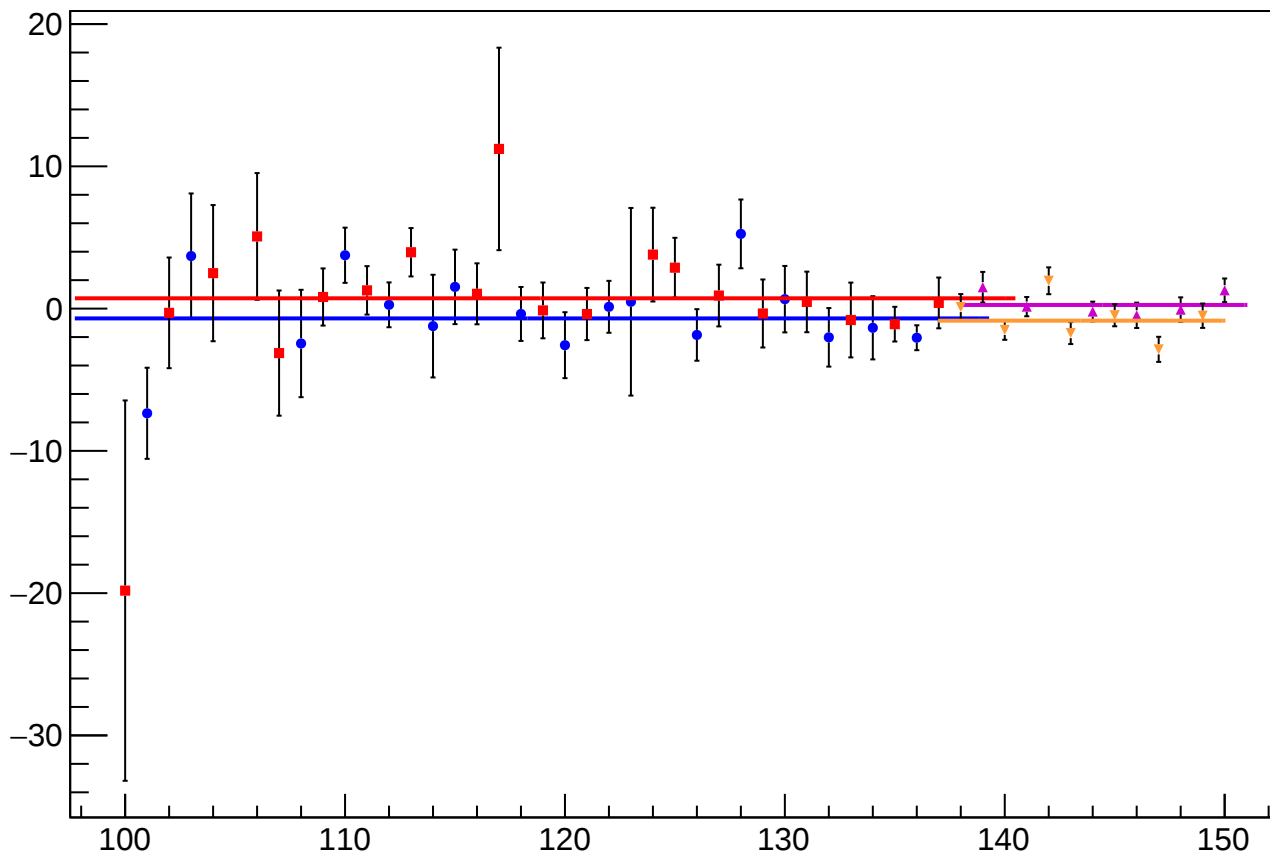
Left In: 4327.650+/-1.422 χ^2/NDF : 318635.5/5

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

9.982+/-0.004 χ^2/NDF : 41753970.9/49

9.935+/-0.006 χ^2/NDF : 20787325.3/25

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.689 $\pm$ 0.482 χ^2/NDF : 22.5/16

Left Out: -0.847 $\pm$ 0.310 χ^2/NDF : 17.7/6

Right Out: 0.724 $\pm$ 0.499 χ^2/NDF : 15.5/19

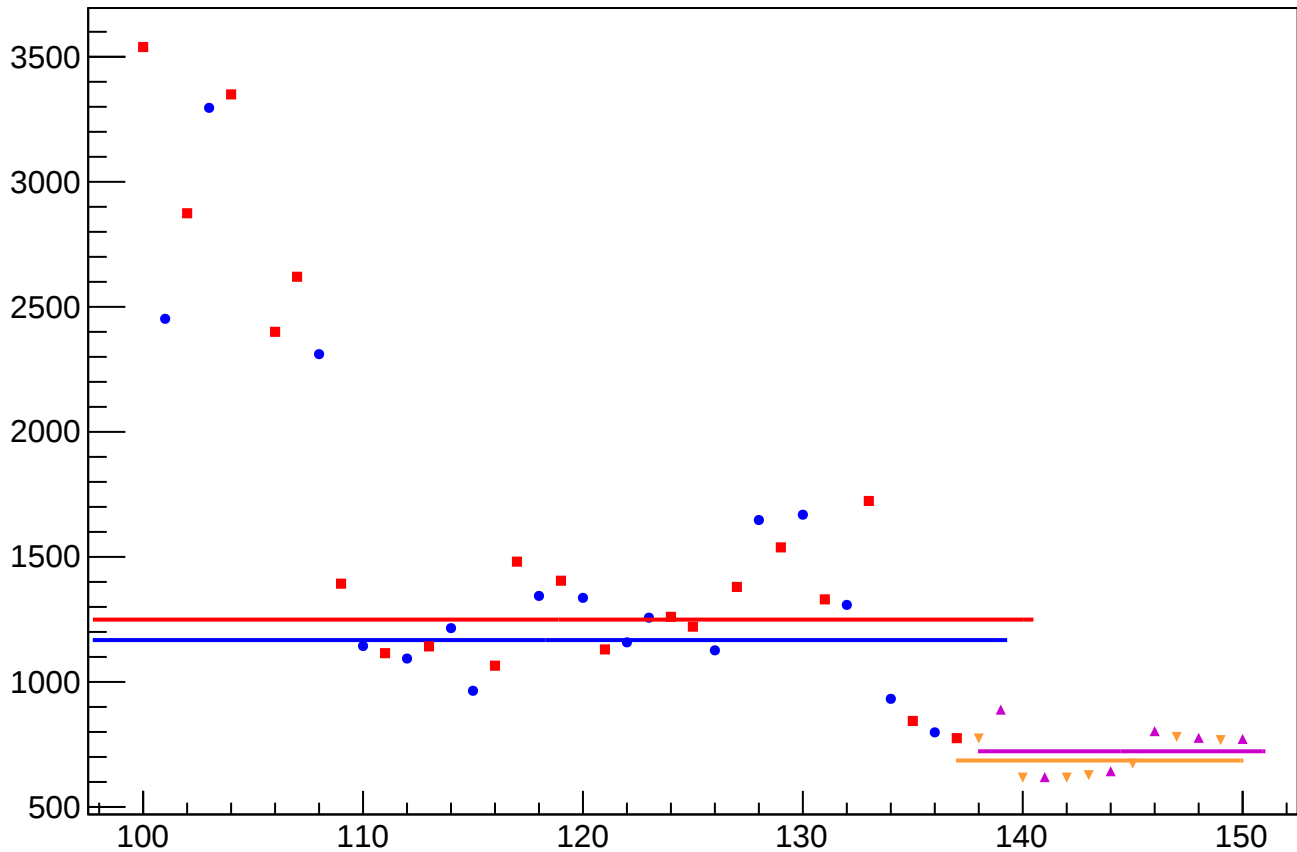
Left In: 0.256 $\pm$ 0.331 χ^2/NDF : 4.2/5

-0.801 $\pm$ 0.261 χ^2/NDF : 40.3/23

-0.234 $\pm$ 0.190 χ^2/NDF : 70.6/49

0.399 $\pm$ 0.276 χ^2/NDF : 20.3/25

diff_cav4cX_rms vs Slug, Sign Corrected



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

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

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

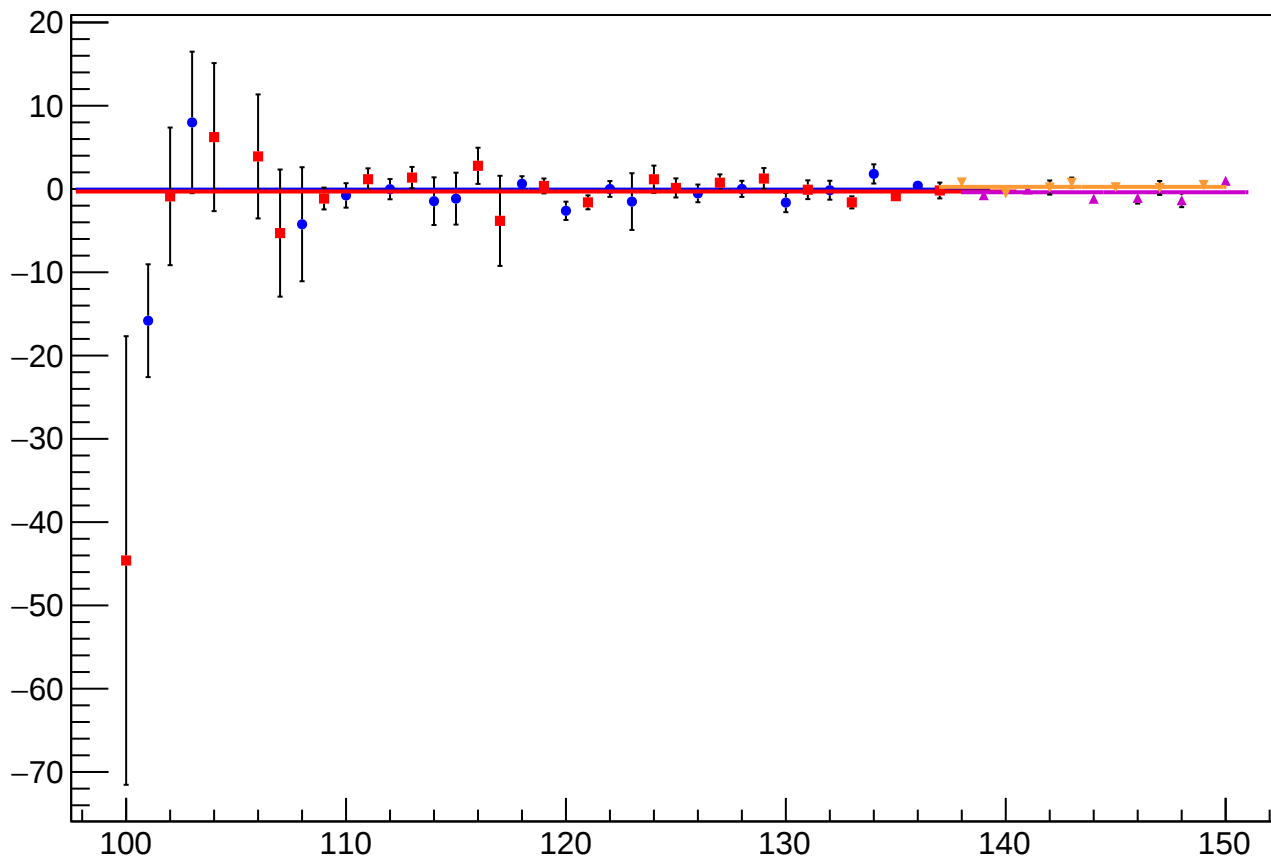
Left In: 722.664 $\pm$ 0.234 χ^2/NDF : 151653.7/5

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

853.410 $\pm$ 0.134 χ^2/NDF : 6489286.4/49

883.145 $\pm$ 0.195 χ^2/NDF : 3354522.8/25

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.072 $\pm$ 0.269 χ^2/NDF : 19.2/16

Left Out: 0.256 $\pm$ 0.229 χ^2/NDF : 4.1/6

Right Out: -0.303 $\pm$ 0.264 χ^2/NDF : 20.7/19

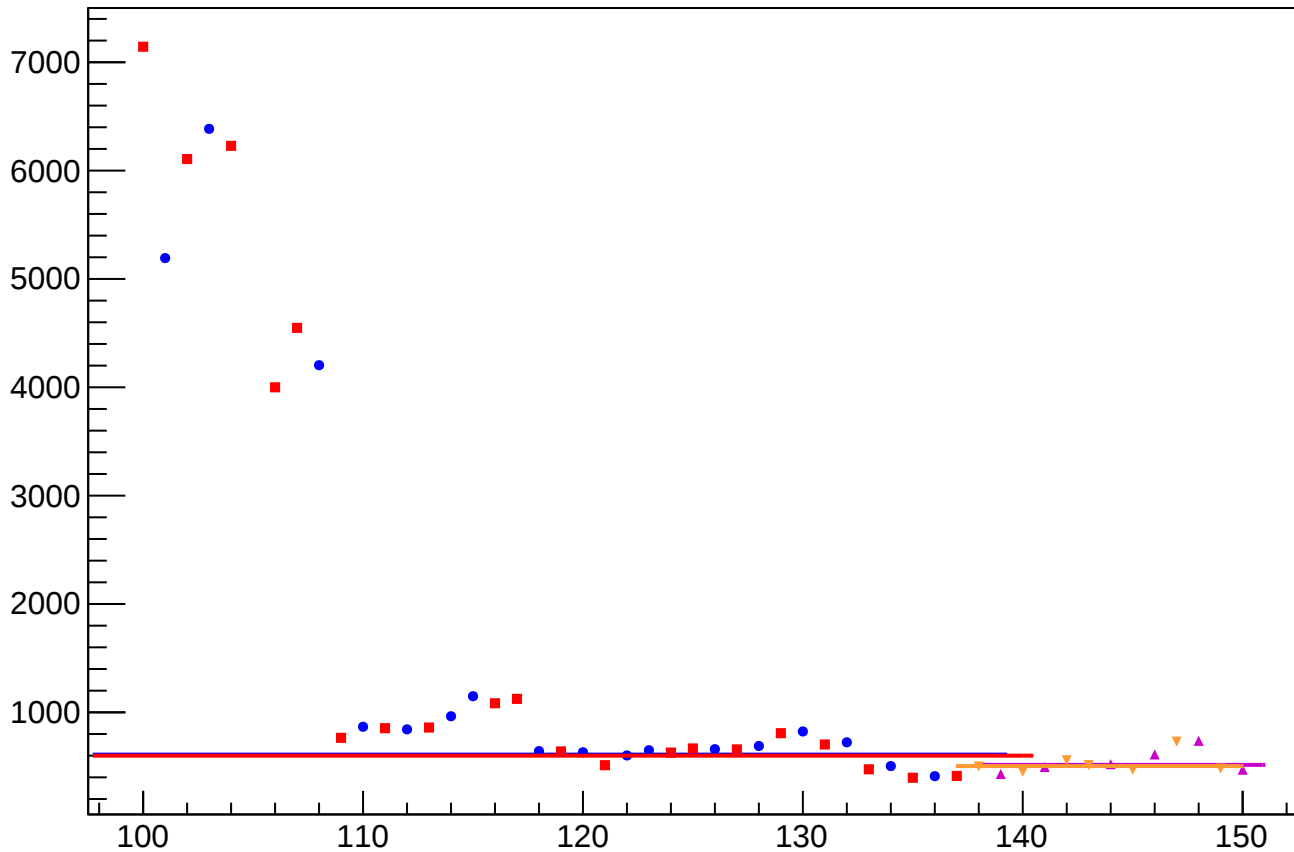
Left In: -0.389 $\pm$ 0.238 χ^2/NDF : 12.4/5

0.118 $\pm$ 0.174 χ^2/NDF : 24.2/23

-0.112 $\pm$ 0.124 χ^2/NDF : 60.9/49

-0.350 $\pm$ 0.177 χ^2/NDF : 33.1/25

diff_cav4cY_rms vs Slug, Sign Corrected



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

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

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

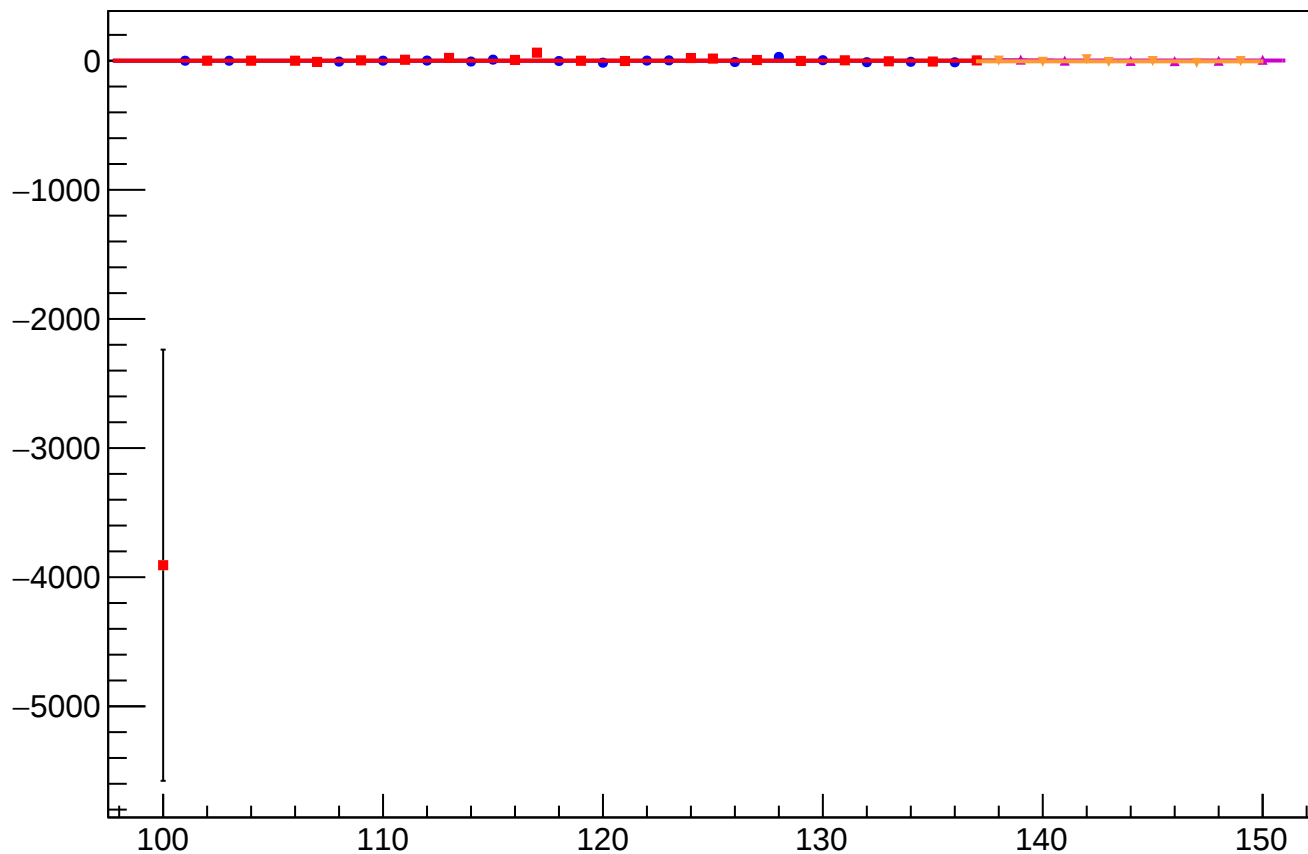
Left In: 515.084 $\pm$ 0.168 χ^2 /NDF: 250559.3/5

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

550.973 $\pm$ 0.088 χ^2 /NDF: 7441540.1/49

553.390 $\pm$ 0.125 χ^2 /NDF: 3936678.1/25

diff_cav4dX_mean vs Slug, Sign Corrected



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

Left Out: -4.874+/-1.798 χ^2/NDF : 17.8/6

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

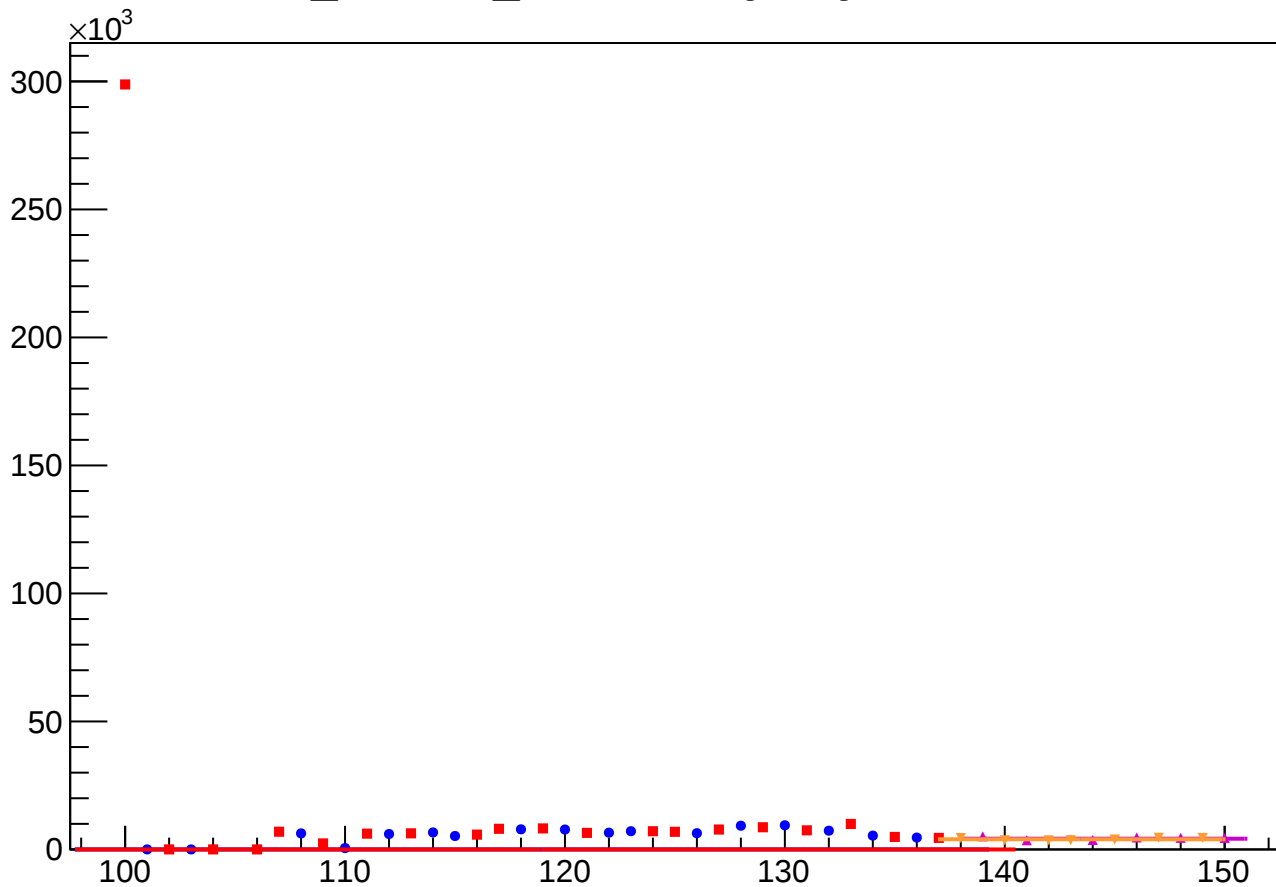
Left In: 1.473+/-1.921 χ^2/NDF : 4.2/5

-0.022+/-0.021 χ^2/NDF : 40.7/23

0.004+/-0.014 χ^2/NDF : 68.8/49

0.027+/-0.020 χ^2/NDF : 25.2/25

diff_cav4dX_rms vs Slug, Sign Corrected



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

Left Out: 3971.293 ± 1.271 χ^2/NDF : 109938.0/6

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

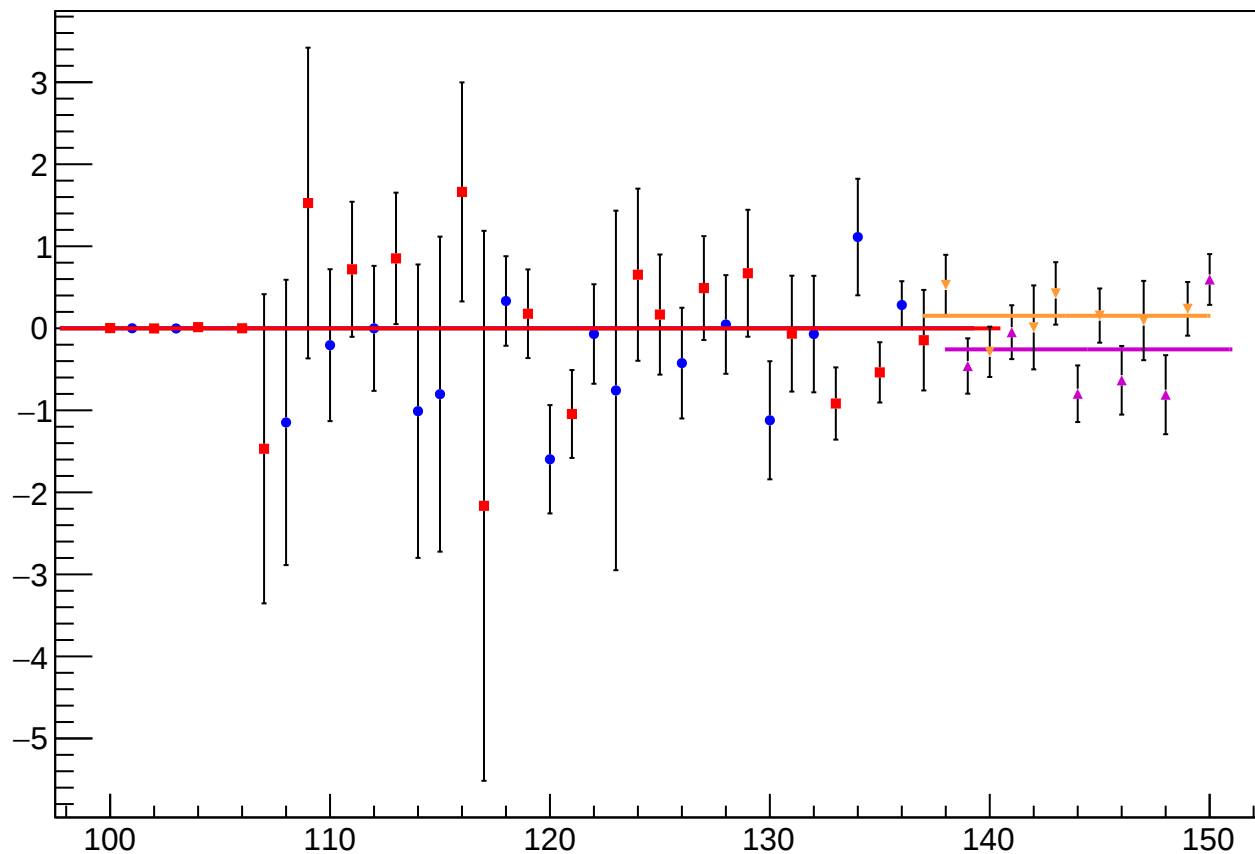
Left In: 4198.116 ± 1.359 χ^2/NDF : 158303.7/5

17.869 ± 0.015 χ^2/NDF : 20280183.7/23

17.788 ± 0.010 χ^2/NDF : 40815031.3/49

17.714 ± 0.014 χ^2/NDF : 20534788.8/25

diff_cav4dY_mean vs Slug, Sign Corrected



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

Left Out: 0.153 $\pm$ 0.139 χ^2 /NDF: 3.8/6

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

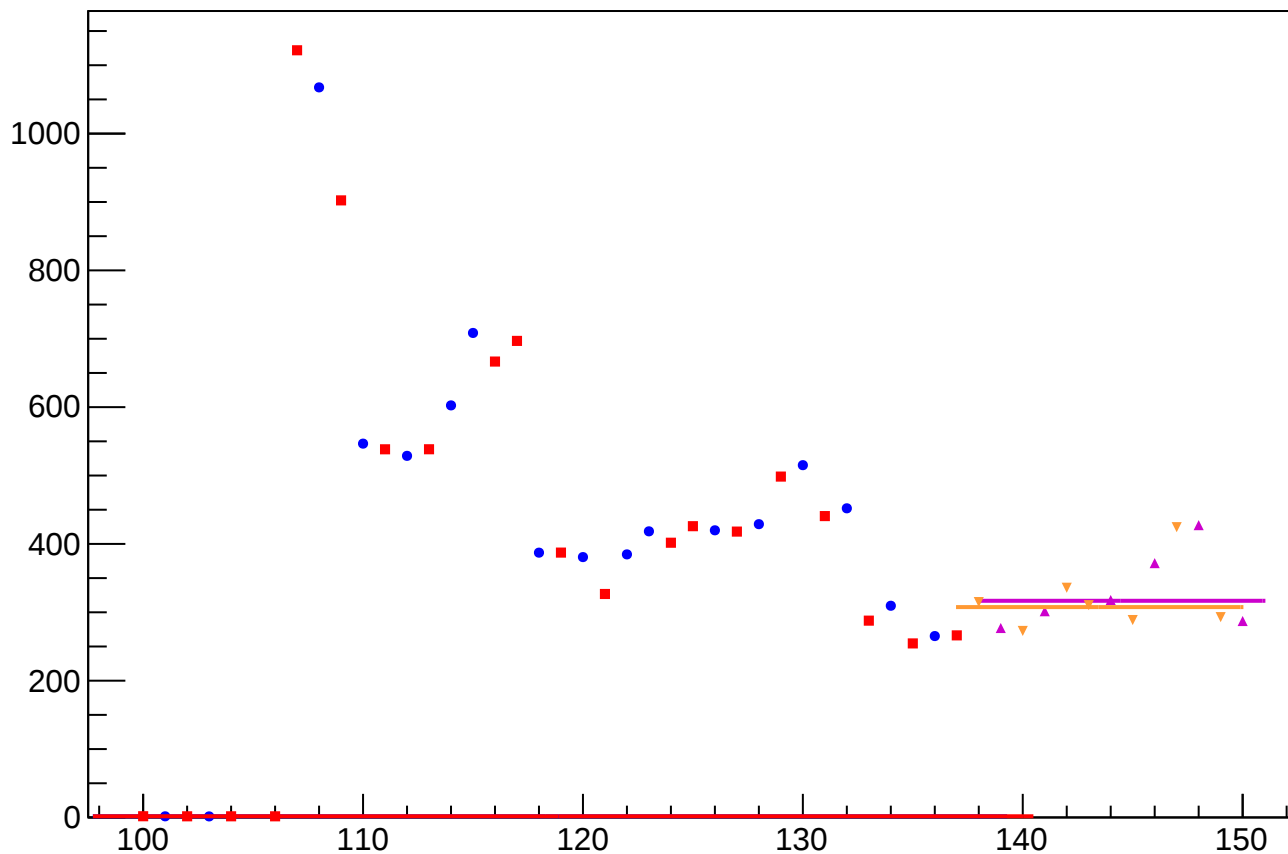
Left In: -0.257 $\pm$ 0.146 χ^2 /NDF: 12.9/5

0.000 $\pm$ 0.002 χ^2 /NDF: 18.7/23

-0.000 $\pm$ 0.001 χ^2 /NDF: 53.2/49

-0.001 $\pm$ 0.002 χ^2 /NDF: 34.3/25

diff_cav4dY_rms vs Slug, Sign Corrected



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

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

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

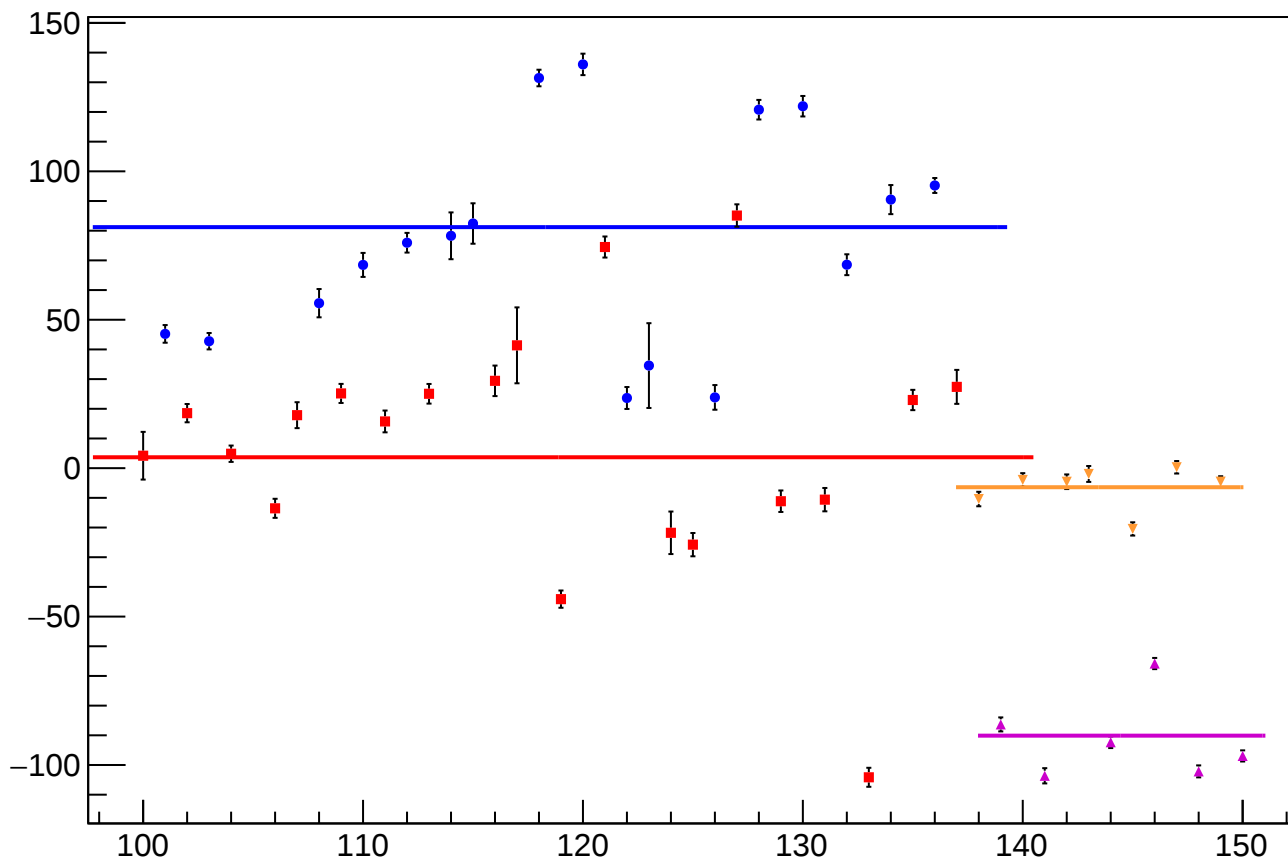
Left In: 316.838 ± 0.103 χ^2/NDF : 190472.1/5

1.764 ± 0.001 χ^2/NDF : 20856343.9/23

1.774 ± 0.001 χ^2/NDF : 41195160.4/49

1.784 ± 0.001 χ^2/NDF : 20338710.7/25

diff_bpm0i01X_mean vs Slug, Sign Corrected



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

Left Out: -6.421 $\pm$ 0.848 χ^2 /NDF: 57.9/6

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

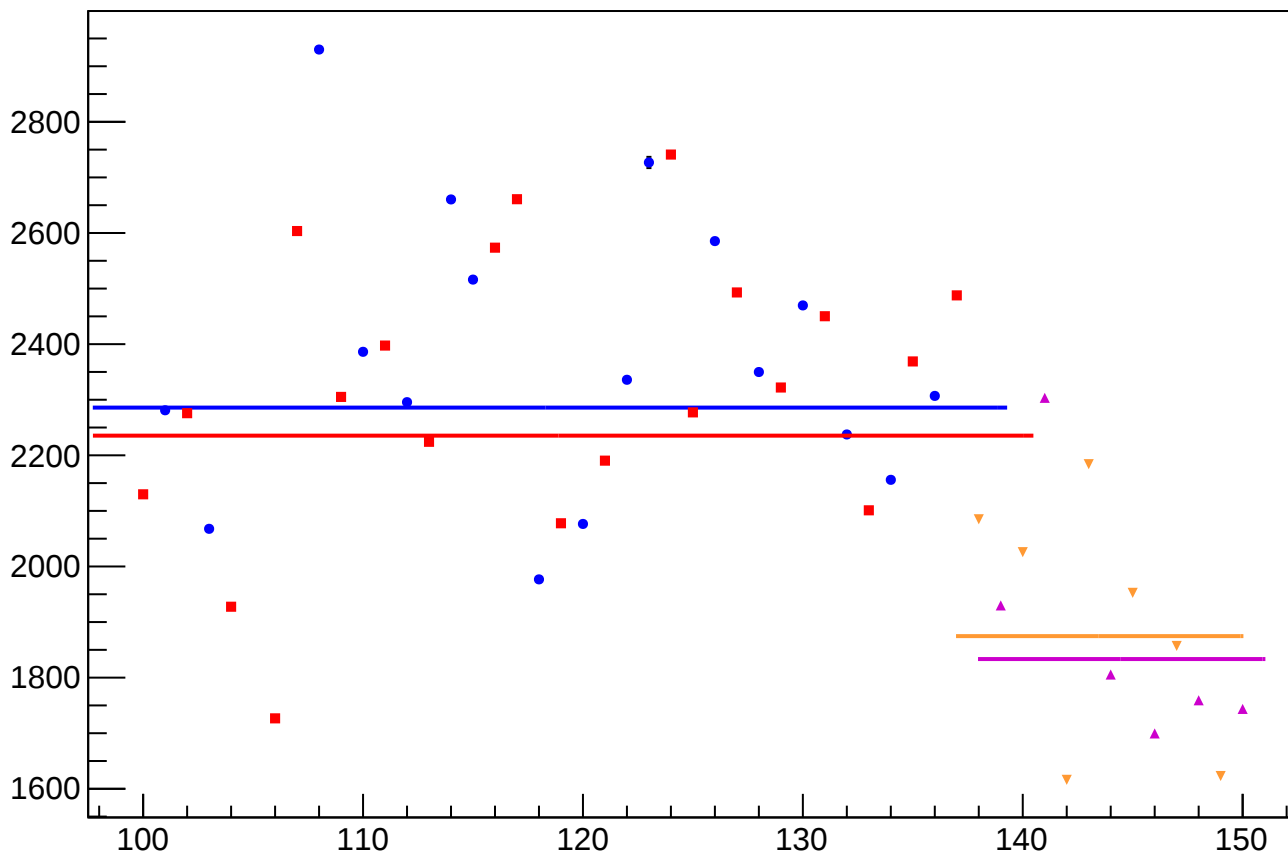
Left In: -90.113 $\pm$ 0.845 χ^2 /NDF: 246.4/5

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

-4.838 $\pm$ 0.427 χ^2 /NDF: 24357.0/49

-42.999 $\pm$ 0.596 χ^2 /NDF: 9047.3/25

diff_bpm0i01X_rms vs Slug, Sign Corrected



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

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

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

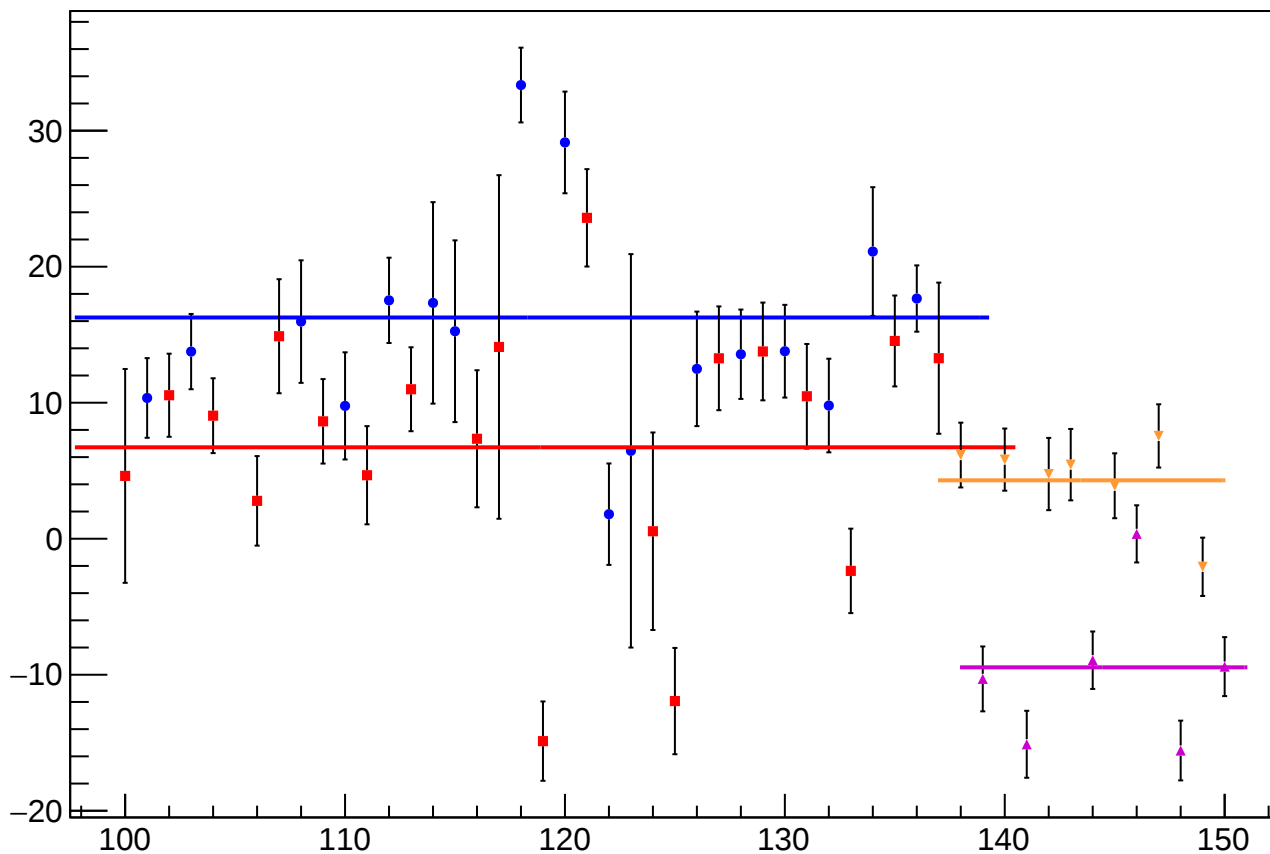
Left In: 1833.433 ± 0.597 χ^2/NDF : 88047.6/5

2071.335 ± 0.433 χ^2/NDF : 447307.3/23

2052.853 ± 0.302 χ^2/NDF : 915499.4/49

2035.362 ± 0.421 χ^2/NDF : 464647.9/25

diff_bpm0i01Y_mean vs Slug, Sign Corrected



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

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

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

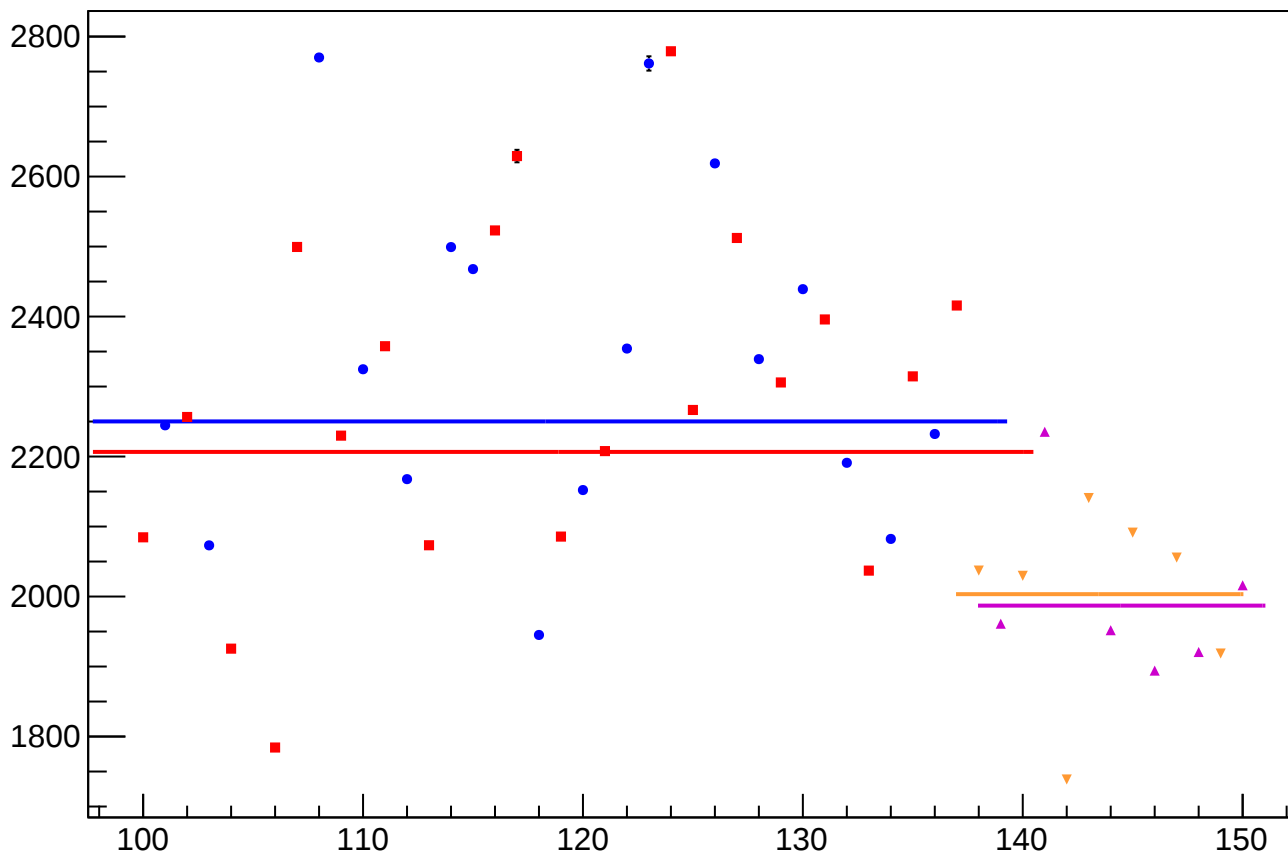
Left In: -9.455 $\pm$ 0.909 χ^2/NDF : 35.0/5

10.476 $\pm$ 0.626 χ^2/NDF : 184.1/23

4.800 $\pm$ 0.438 χ^2/NDF : 687.1/49

-0.627 $\pm$ 0.612 χ^2/NDF : 342.3/25

diff_bpm0i01Y_rms vs Slug, Sign Corrected



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

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

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

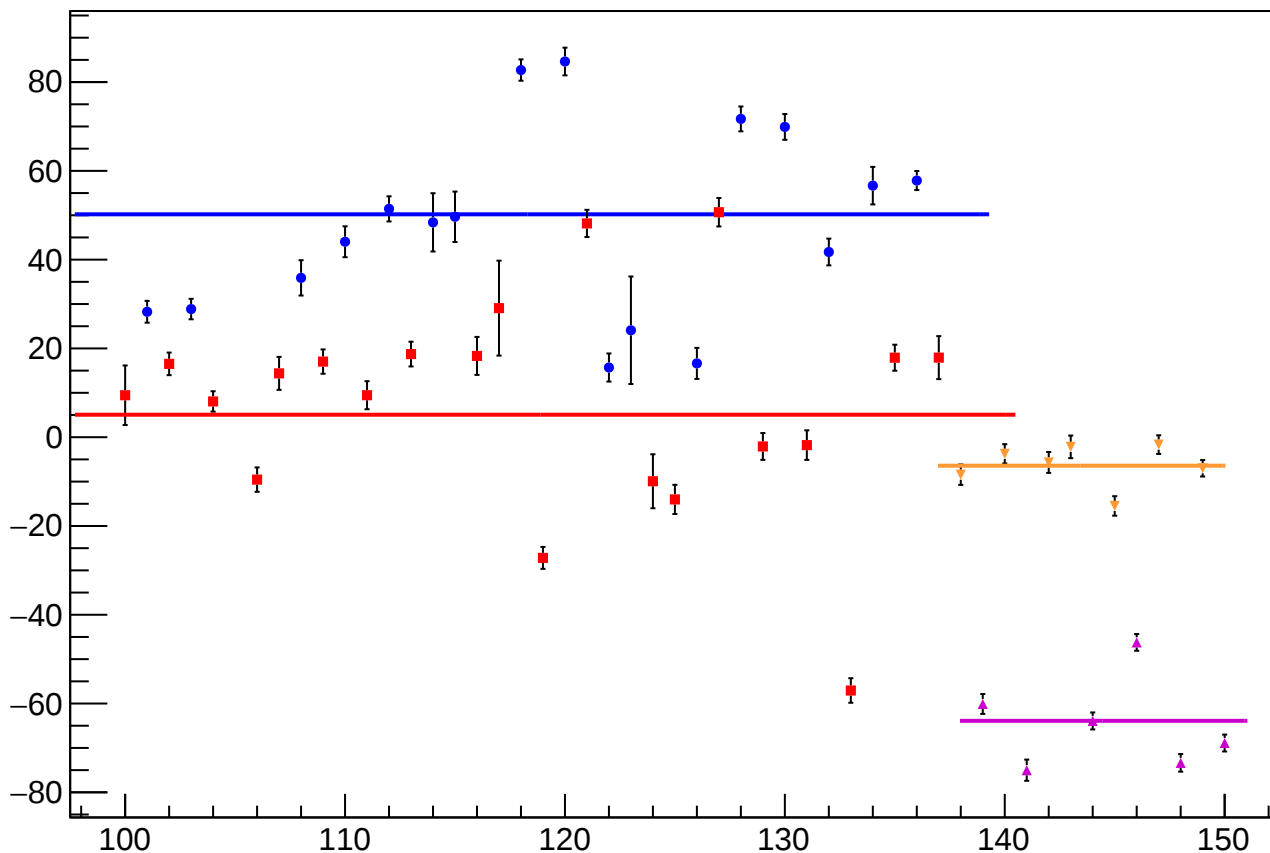
Left In: 1987.022 $\pm$ 0.642 χ^2 /NDF: 27226.4/5

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

2118.574 $\pm$ 0.310 χ^2 /NDF: 428958.0/49

2106.858 $\pm$ 0.433 χ^2 /NDF: 219461.1/25

diff_bpm0i01aX_mean vs Slug, Sign Corrected



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

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

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

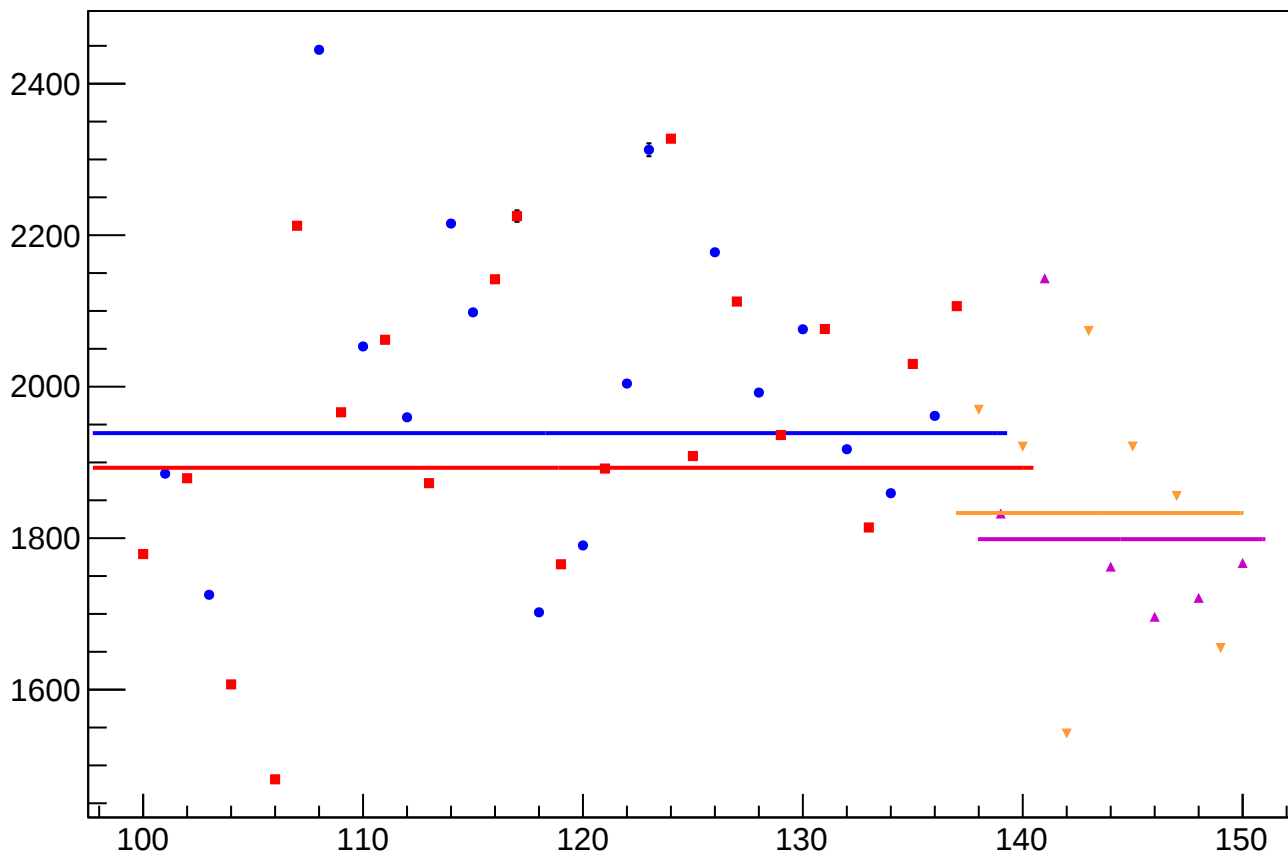
Left In: -63.895+/-0.827 χ^2/NDF : 142.5/5

24.640+/-0.556 χ^2/NDF : 3427.4/23

-0.557+/-0.387 χ^2/NDF : 12819.1/49

-24.282+/-0.540 χ^2/NDF : 5404.1/25

diff_bpm0i01aX_rms vs Slug, Sign Corrected



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

Left Out: 1833.261 +/- 0.585 χ^2/NDF : 80666.6/6

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

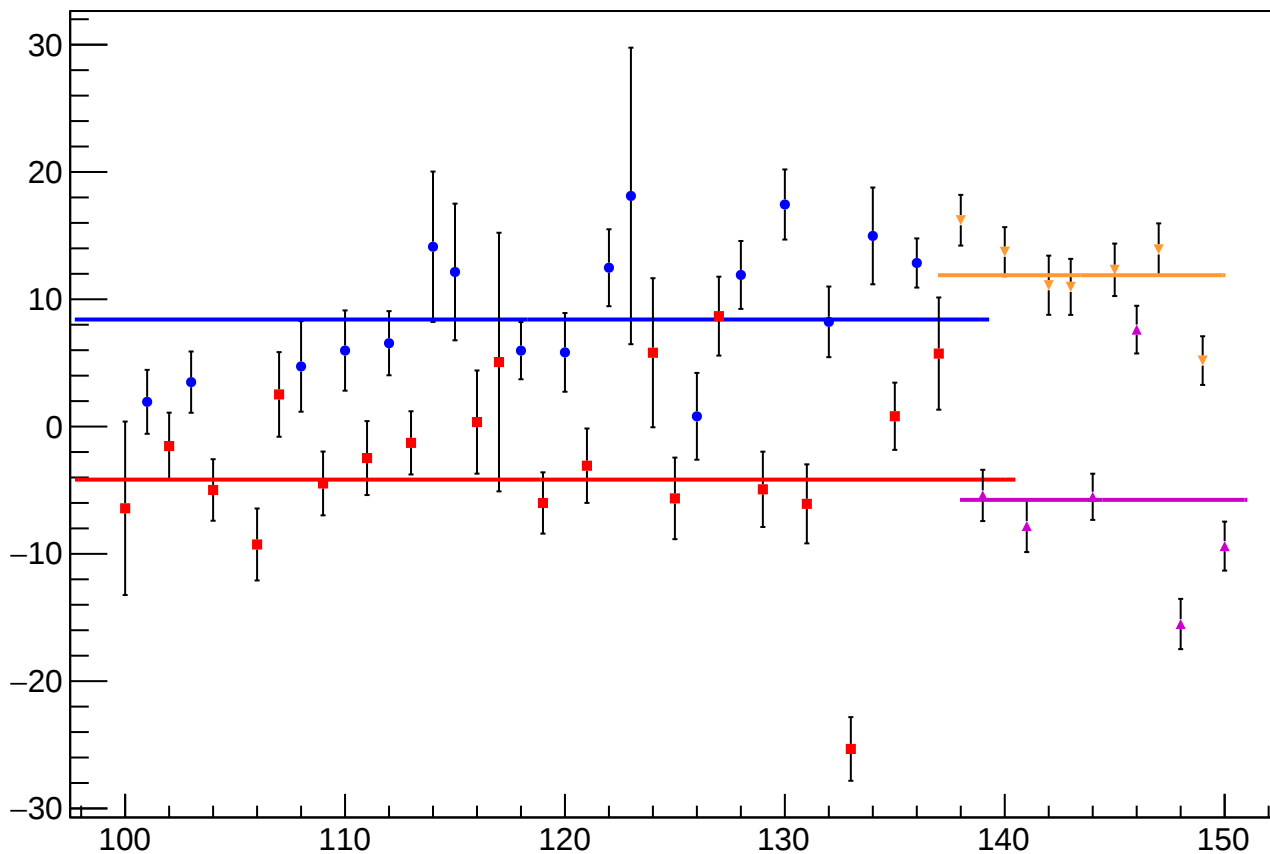
Left In: 1798.700 +/- 0.585 χ^2/NDF : 52287.6/5

1891.078 +/- 0.393 χ^2/NDF : 198619.2/23

1871.383 +/- 0.274 χ^2/NDF : 419262.6/49

1852.839 +/- 0.381 χ^2/NDF : 215770.7/25

diff_bpm0i01aY_mean vs Slug, Sign Corrected



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

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

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

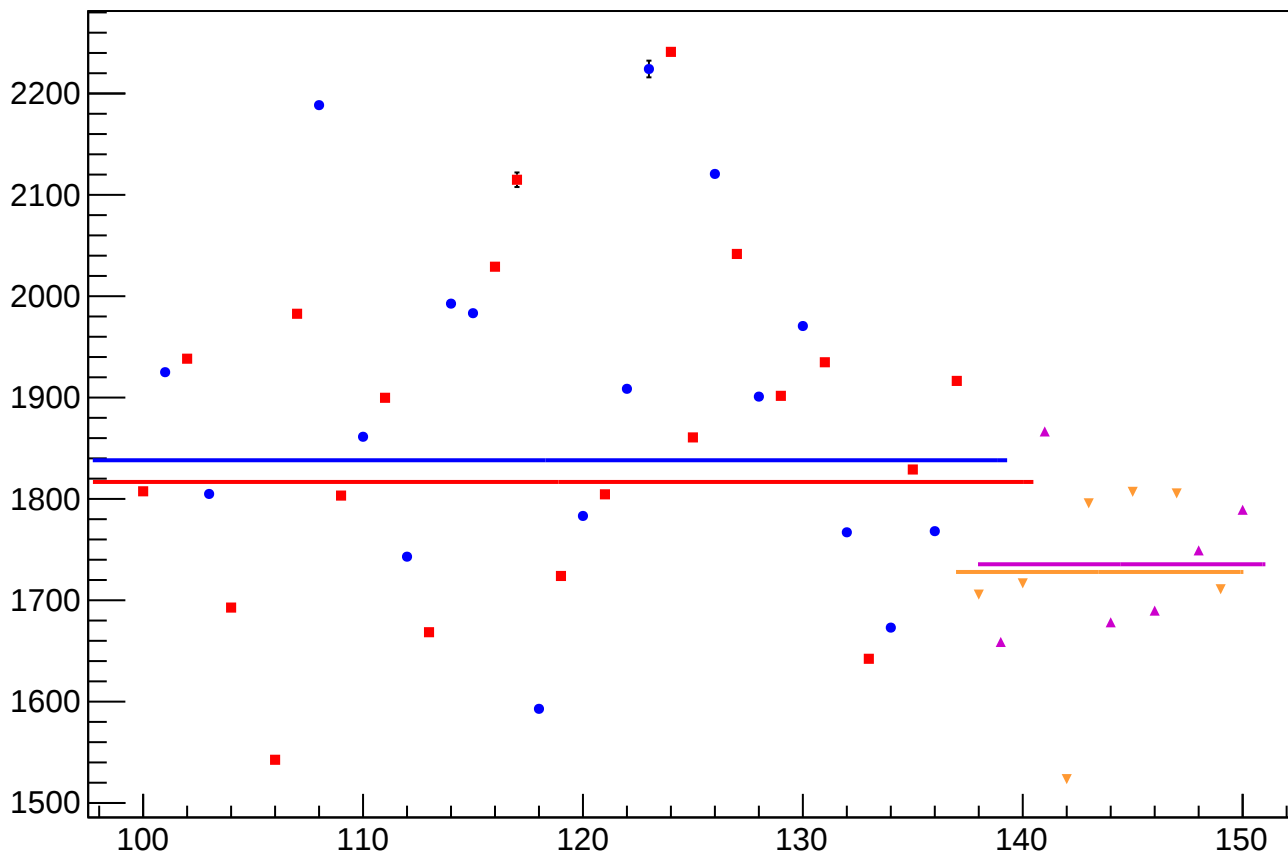
Left In: -5.758+/-0.791 χ^2/NDF : 80.0/5

10.000+/-0.524 χ^2/NDF : 74.8/23

2.458+/-0.368 χ^2/NDF : 678.3/49

-4.844+/-0.516 χ^2/NDF : 196.2/25

diff_bpm0i01aY_rms vs Slug, Sign Corrected



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

Left Out: 1727.934 $\pm$ 0.549 χ^2/NDF : 23668.1/6

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

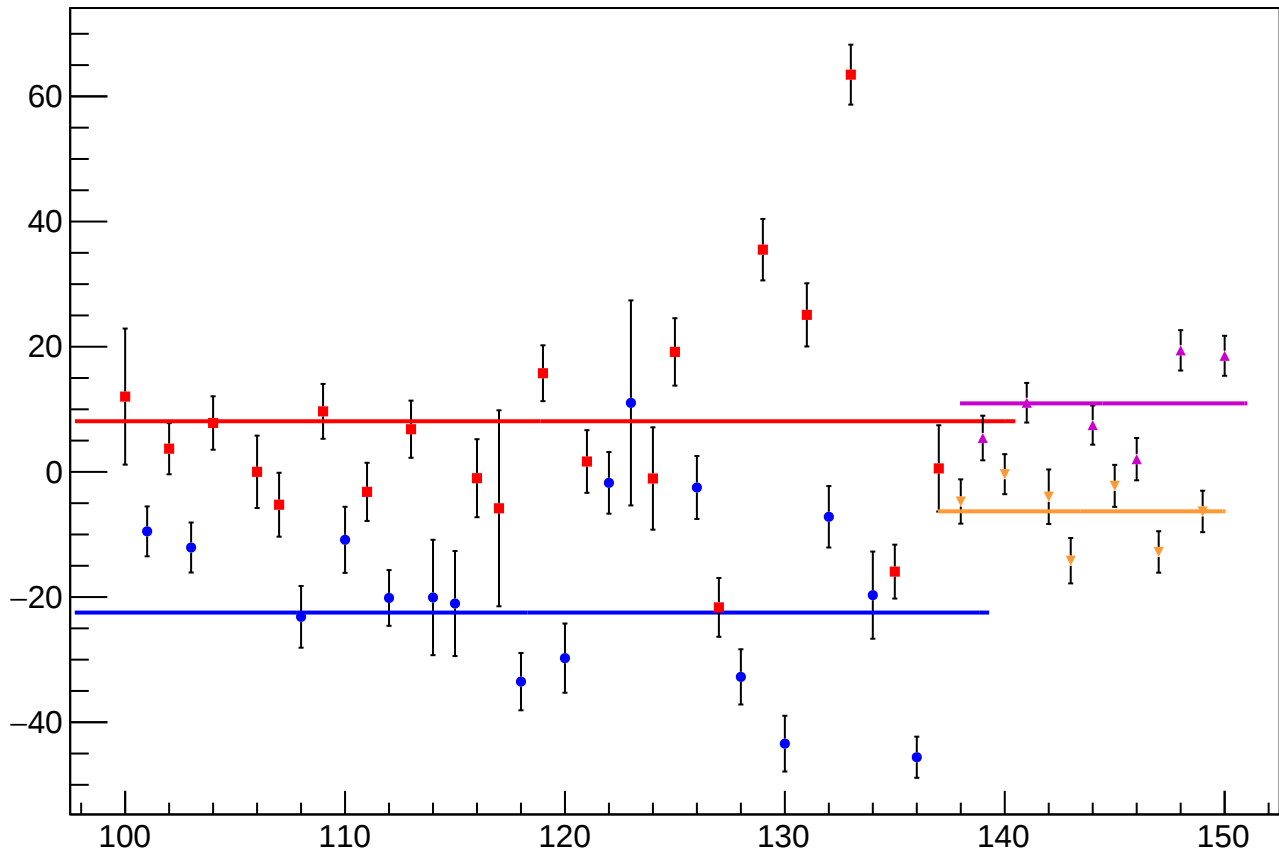
Left In: 1735.524 $\pm$ 0.559 χ^2/NDF : 15933.7/5

1787.815 $\pm$ 0.371 χ^2/NDF : 128477.0/23

1784.940 $\pm$ 0.260 χ^2/NDF : 245800.8/49

1782.156 $\pm$ 0.365 χ^2/NDF : 117205.4/25

diff_bpm0l01X_mean vs Slug, Sign Corrected



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

Left Out: -6.302 ± 1.316 $\chi^2/\text{NDF}: 14.0/6$

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

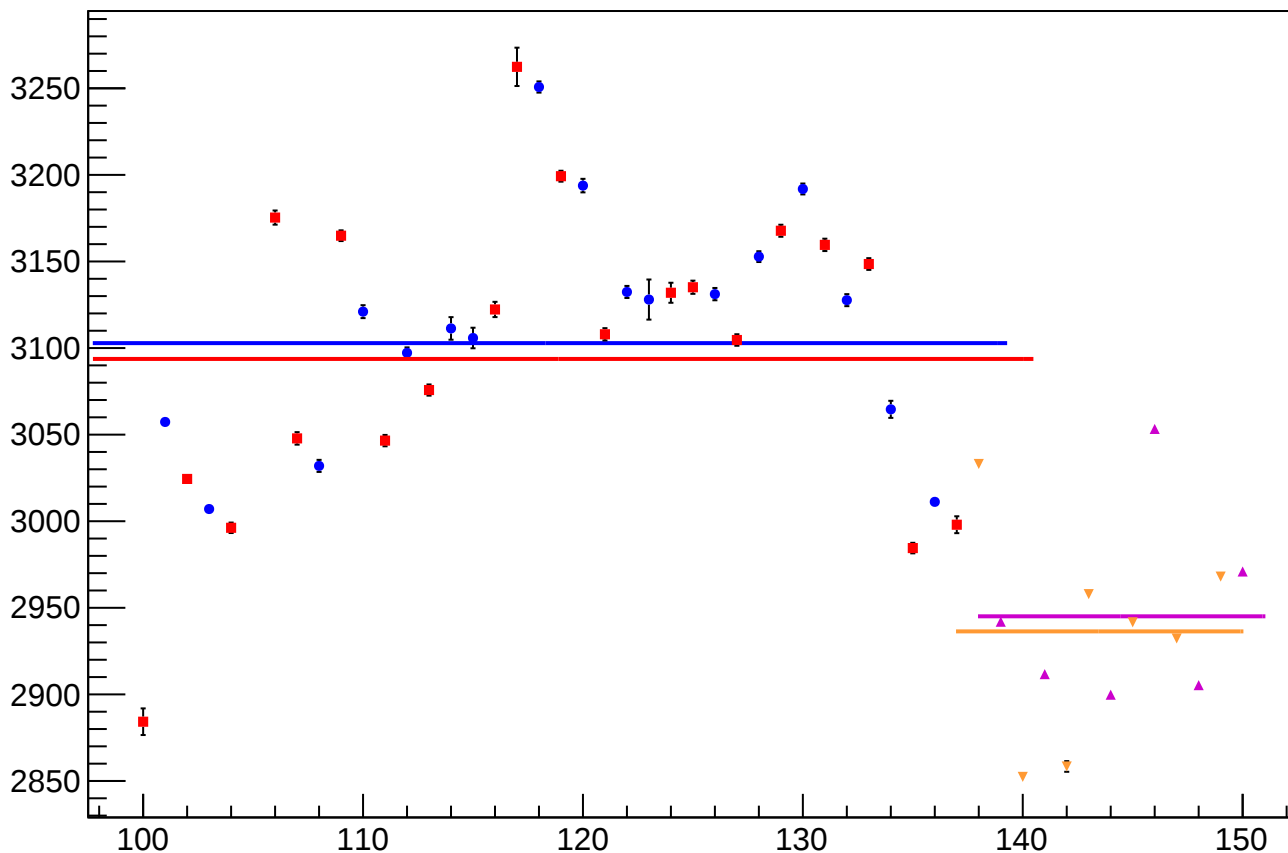
Left In: 10.948 ± 1.334 $\chi^2/\text{NDF}: 23.2/5$

-15.167 ± 0.884 $\chi^2/\text{NDF}: 251.5/23$

-2.759 ± 0.621 $\chi^2/\text{NDF}: 943.3/49$

9.315 ± 0.872 $\chi^2/\text{NDF}: 303.5/25$

diff_bpm0l01X_rms vs Slug, Sign Corrected



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

Left Out: 2936.382 $\pm$ 0.930 χ^2/NDF : 3779.2/6

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

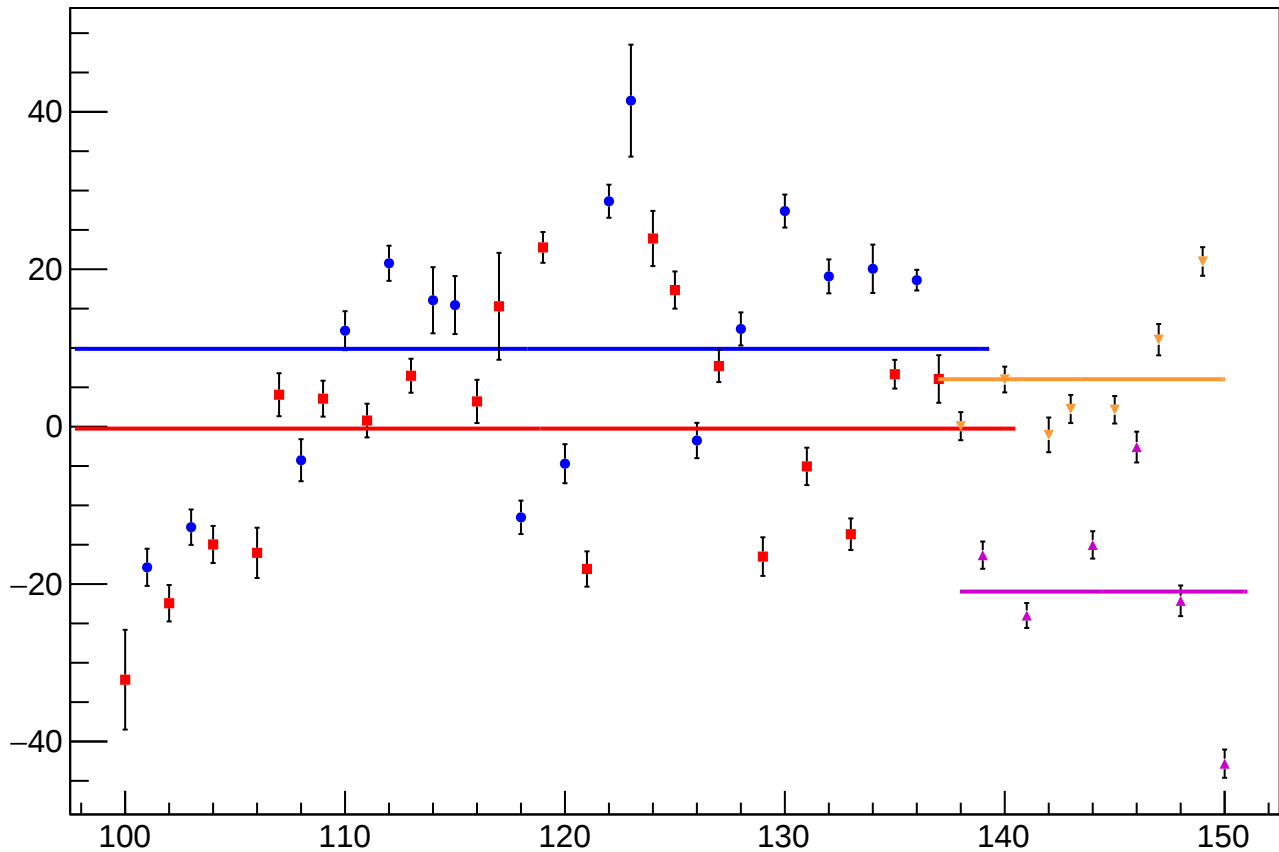
Left In: 2945.088 $\pm$ 0.943 χ^2/NDF : 3128.2/5

3027.608 $\pm$ 0.625 χ^2/NDF : 28672.9/23

3028.887 $\pm$ 0.439 χ^2/NDF : 54014.2/49

3030.131 $\pm$ 0.617 χ^2/NDF : 25333.1/25

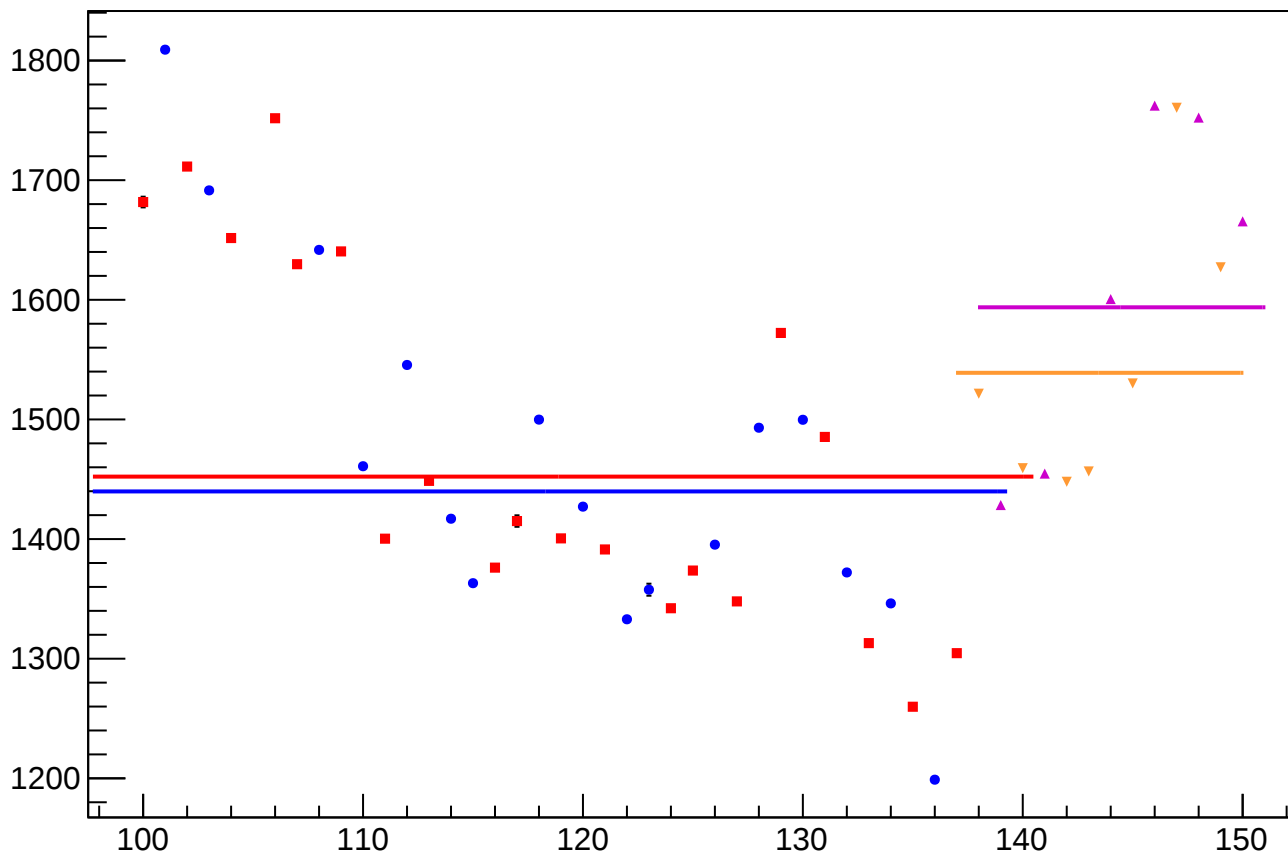
diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.887 $\pm$ 0.559 χ^2/NDF : 703.6/16
 Left Out: 6.030 $\pm$ 0.692 χ^2/NDF :105.1/6
 Right Out: -0.245 $\pm$ 0.545 χ^2/NDF : 634.1/19
 Left In: -20.955 $\pm$ 0.726 χ^2/NDF :259.2/5

8.363 $\pm$ 0.435 χ^2/NDF : 827.5/23
 0.341 $\pm$ 0.308 χ^2/NDF : 2922.4/49
 -7.712 $\pm$ 0.436 χ^2/NDF : 1413.7/25

diff_bpm0l01Y_rms vs Slug, Sign Corrected



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

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

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

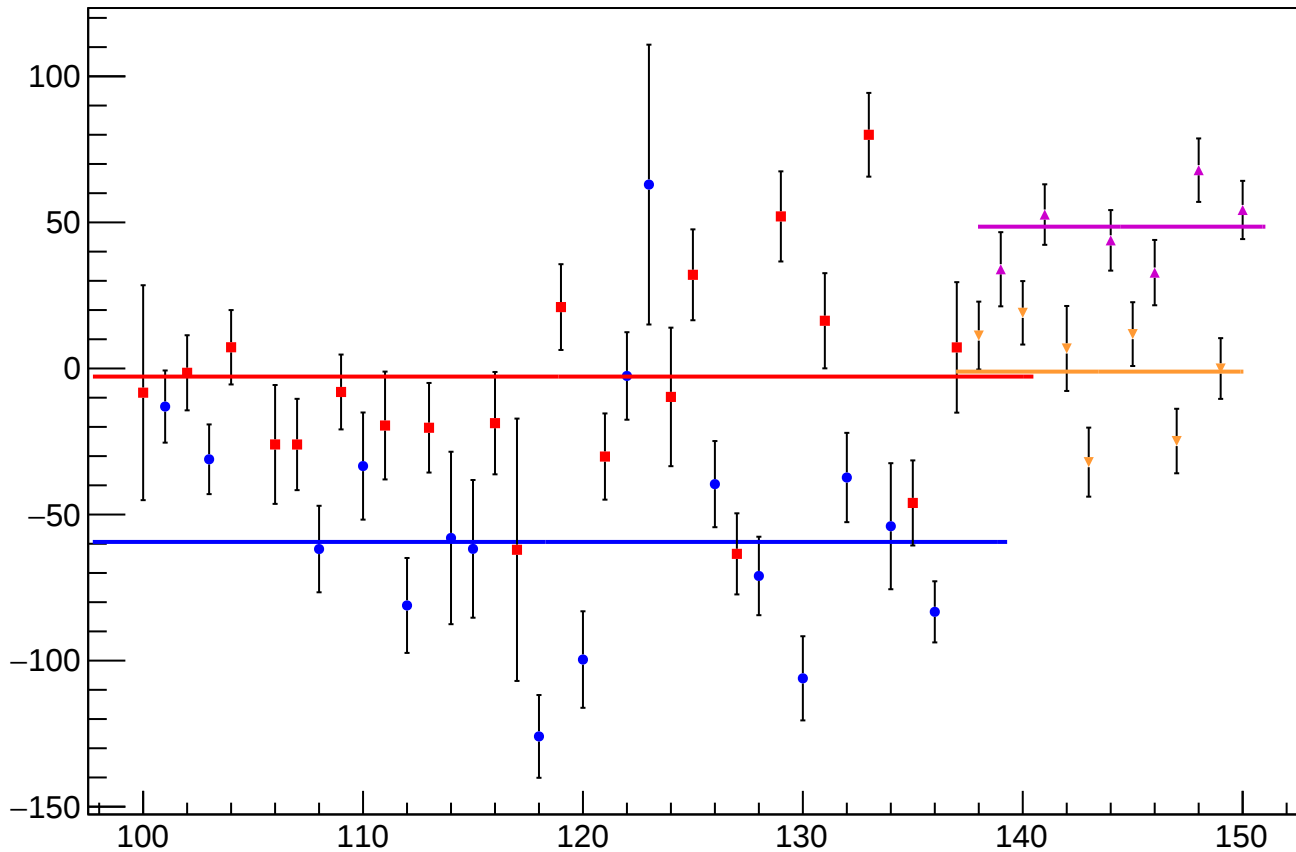
Left In: 1593.735 +/- 0.513 χ^2/NDF : 64934.0/5

1479.017 +/- 0.308 χ^2/NDF : 239772.7/23

1491.103 +/- 0.218 χ^2/NDF : 494981.3/49

1503.235 +/- 0.308 χ^2/NDF : 252116.1/25

diff_bpm0l02X_mean vs Slug, Sign Corrected



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

Left Out: -1.073 ± 4.319 χ^2/NDF : 17.8/6

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

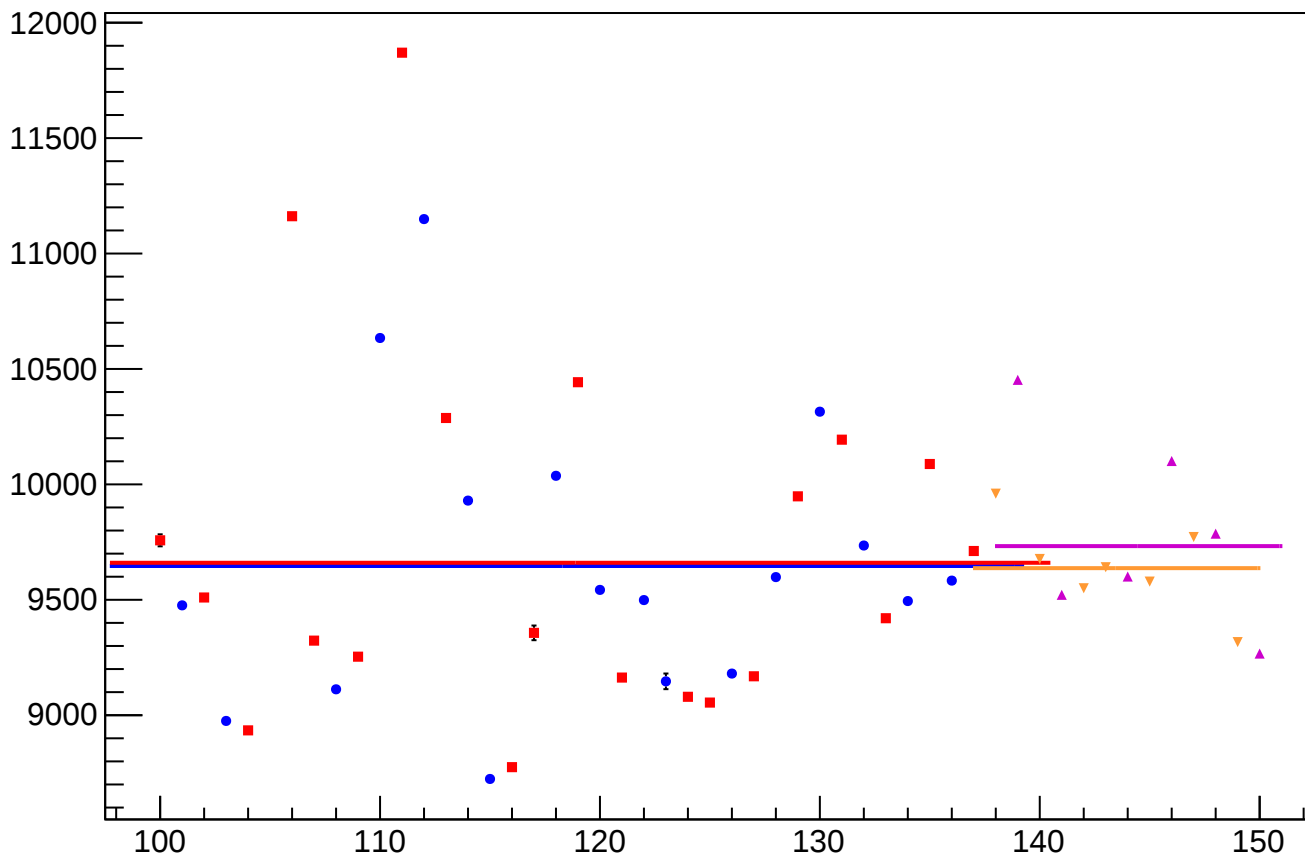
Left In: 48.540 ± 4.412 χ^2/NDF : 7.2/5

-34.475 ± 2.822 χ^2/NDF : 215.1/23

-8.076 ± 1.987 χ^2/NDF : 572.3/49

17.859 ± 2.797 χ^2/NDF : 183.8/25

diff_bpm0l02X_rms vs Slug, Sign Corrected



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

Left Out: 9637.112 $\pm$ 3.054 χ^2/NDF :3896.9/6

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

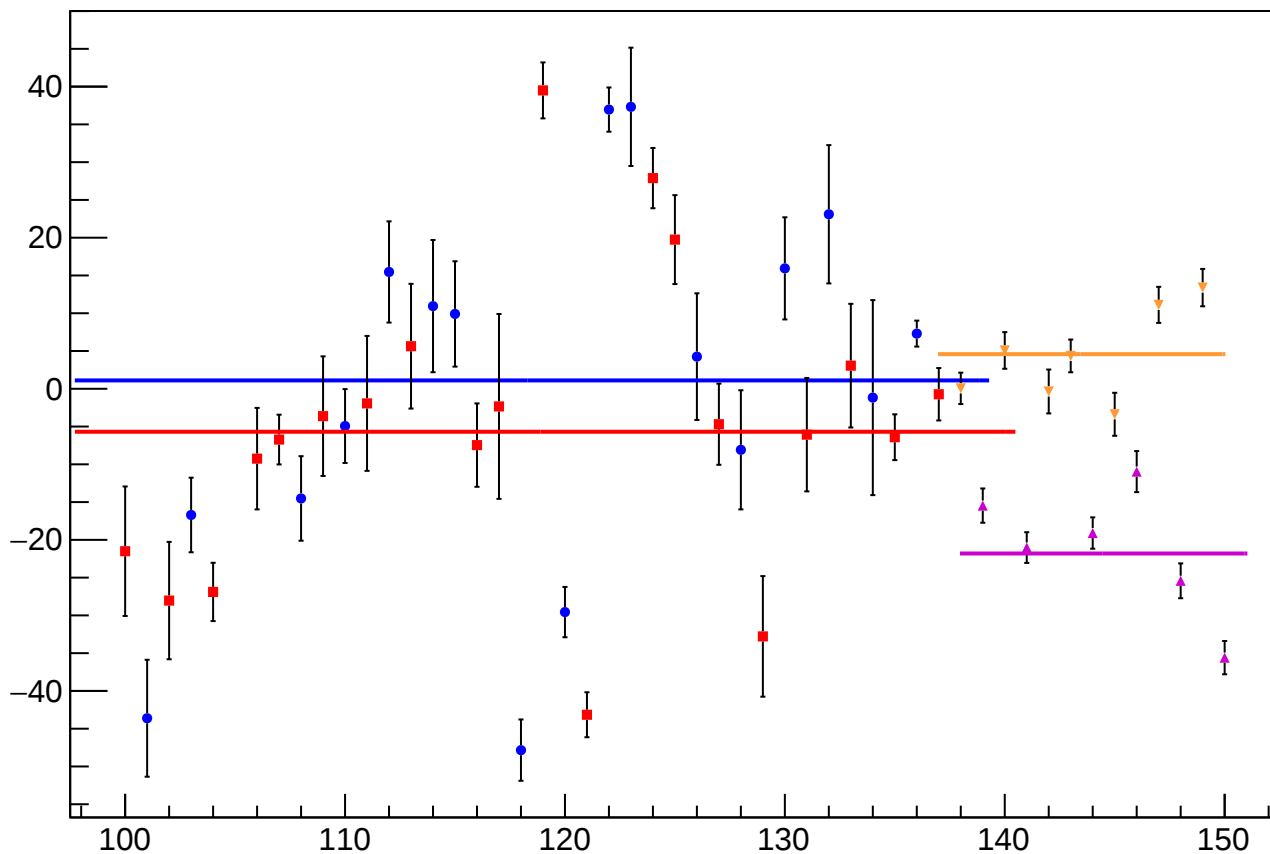
Left In: 9732.566 $\pm$ 3.119 χ^2/NDF :14182.2/5

9642.479 $\pm$ 1.996 χ^2/NDF : 47962.5/23

9666.151 $\pm$ 1.405 χ^2/NDF : 140419.8/49

9689.406 $\pm$ 1.978 χ^2/NDF : 92178.4/25

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 1.106 ± 1.066 $\chi^2/\text{NDF}: 489.7/16$

Left Out: 4.584 ± 0.914 $\chi^2/\text{NDF}: 35.7/6$

Right Out: -5.689 ± 1.087 $\chi^2/\text{NDF}: 456.0/19$

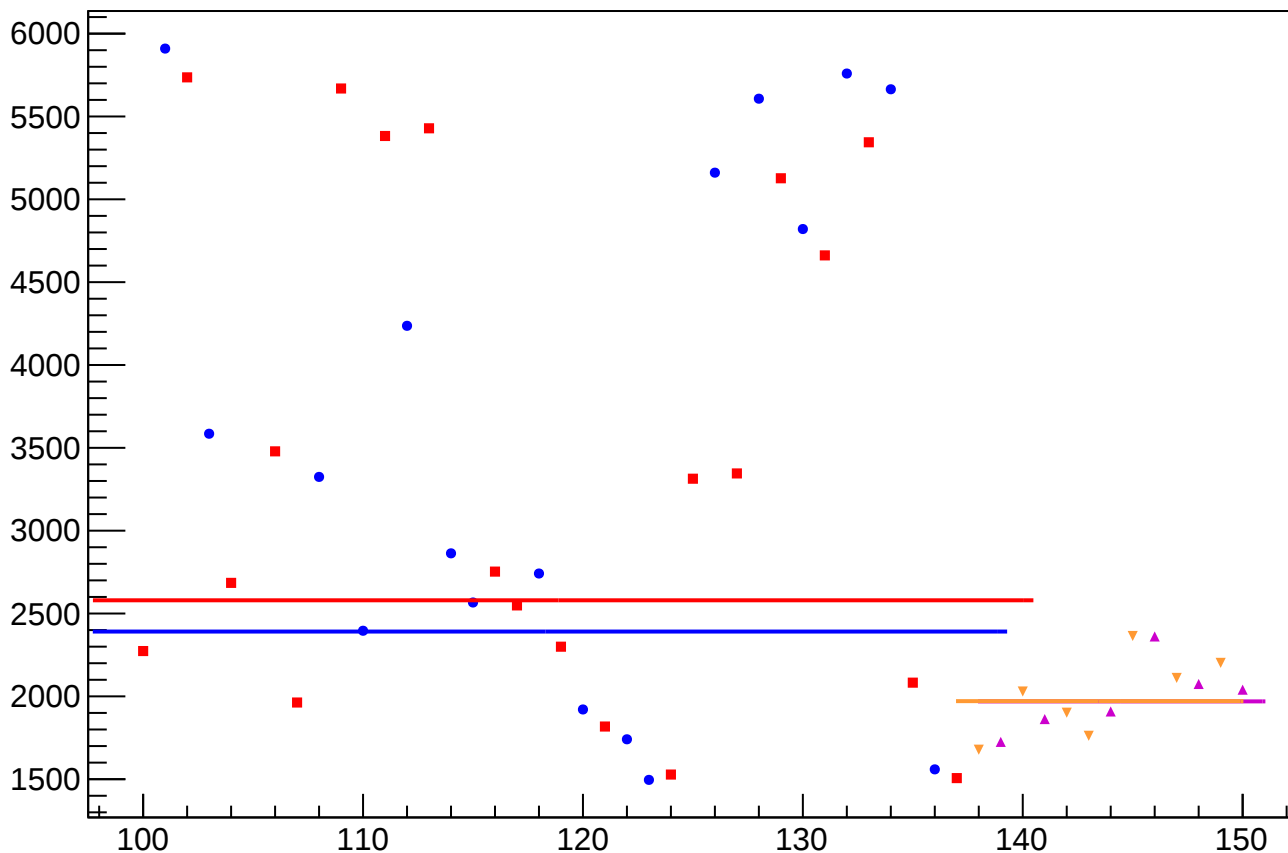
Left In: -21.807 ± 0.913 $\chi^2/\text{NDF}: 67.2/5$

3.111 ± 0.694 $\chi^2/\text{NDF}: 531.5/23$

-5.945 ± 0.493 $\chi^2/\text{NDF}: 1526.4/49$

-15.134 ± 0.699 $\chi^2/\text{NDF}: 652.1/25$

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2391.162 ± 0.754 $\chi^2/\text{NDF}: 2600547.2/16$

Left Out: 1971.115 ± 0.647 $\chi^2/\text{NDF}: 123269.2/6$

Right Out: 2579.794 ± 0.768 $\chi^2/\text{NDF}: 2365284.2/19$

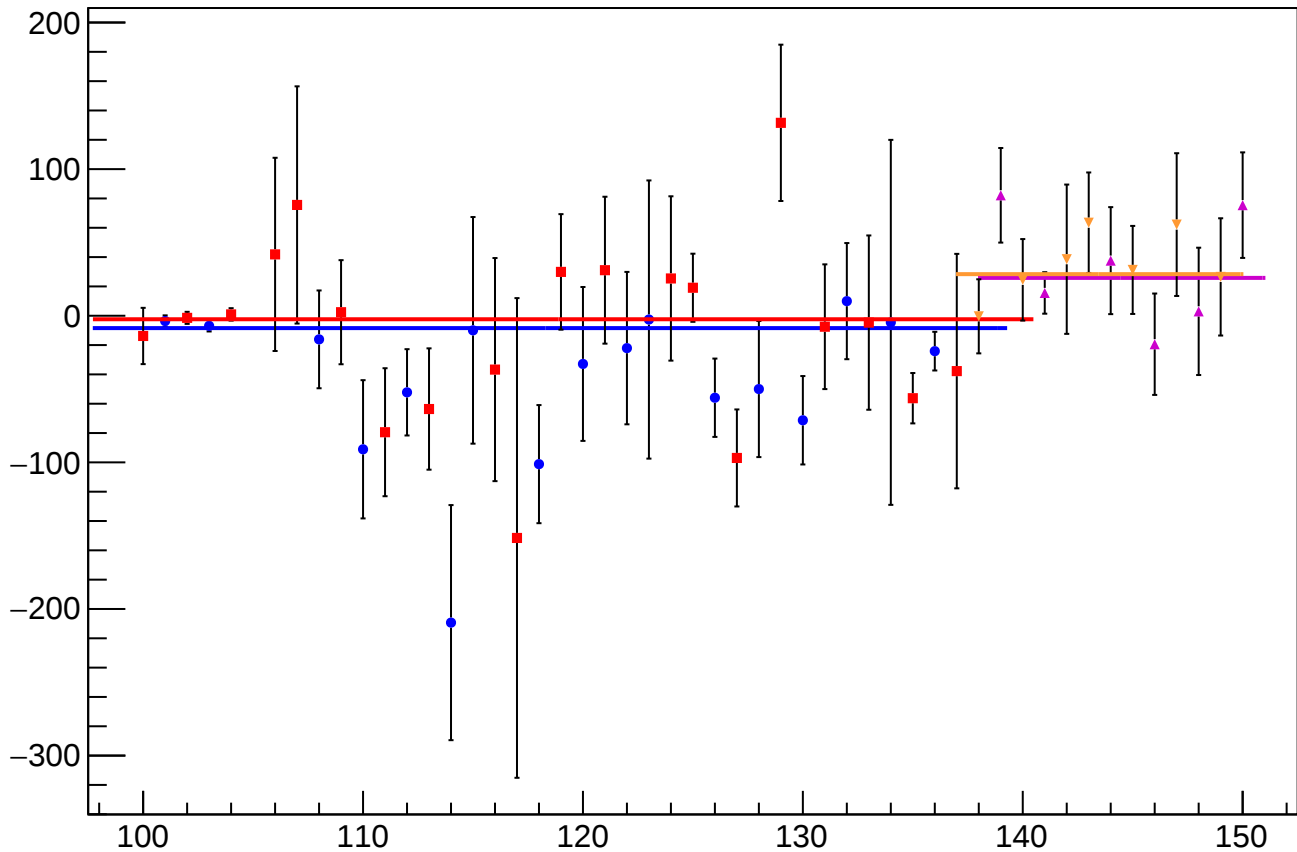
Left In: 1969.623 ± 0.646 $\chi^2/\text{NDF}: 78285.7/5$

2149.095 ± 0.491 $\chi^2/\text{NDF}: 2902619.0/23$

2185.398 ± 0.348 $\chi^2/\text{NDF}: 5726635.3/49$

2222.236 ± 0.494 $\chi^2/\text{NDF}: 2812996.6/25$

diff_bpm0l03X_mean vs Slug, Sign Corrected



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

Left Out: 28.373 ± 12.645 χ^2/NDF : 2.9/6

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

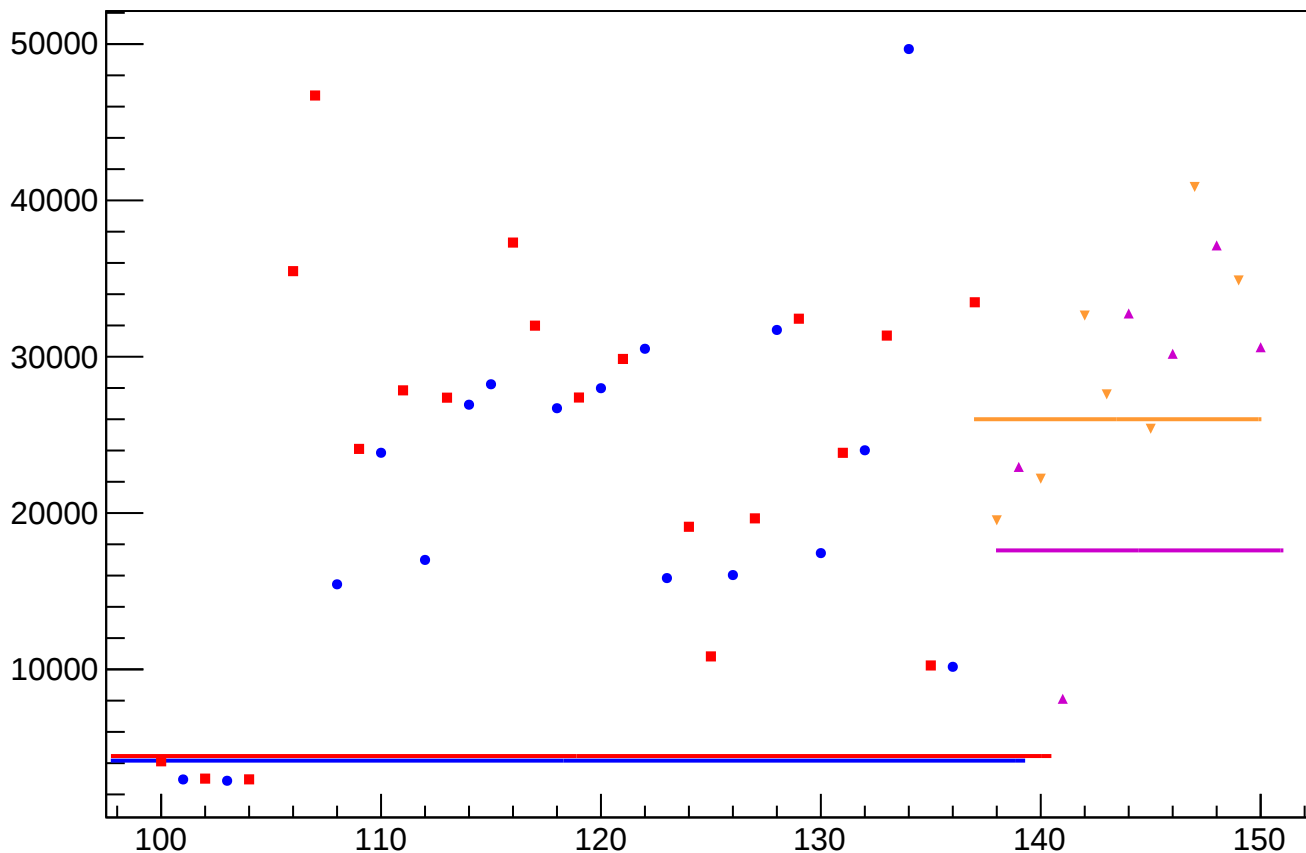
Left In: 25.822 ± 10.632 χ^2/NDF : 7.6/5

-6.951 ± 2.535 χ^2/NDF : 39.9/23

-3.960 ± 1.847 χ^2/NDF : 92.5/49

-0.578 ± 2.695 χ^2/NDF : 49.7/25

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4162.318 ± 1.830 $\chi^2/\text{NDF}: 5990070.5/16$

Left Out: 26001.681 ± 8.941 $\chi^2/\text{NDF}: 492438.7/6$

Right Out: 4455.114 ± 1.970 $\chi^2/\text{NDF}: 7483602.5/19$

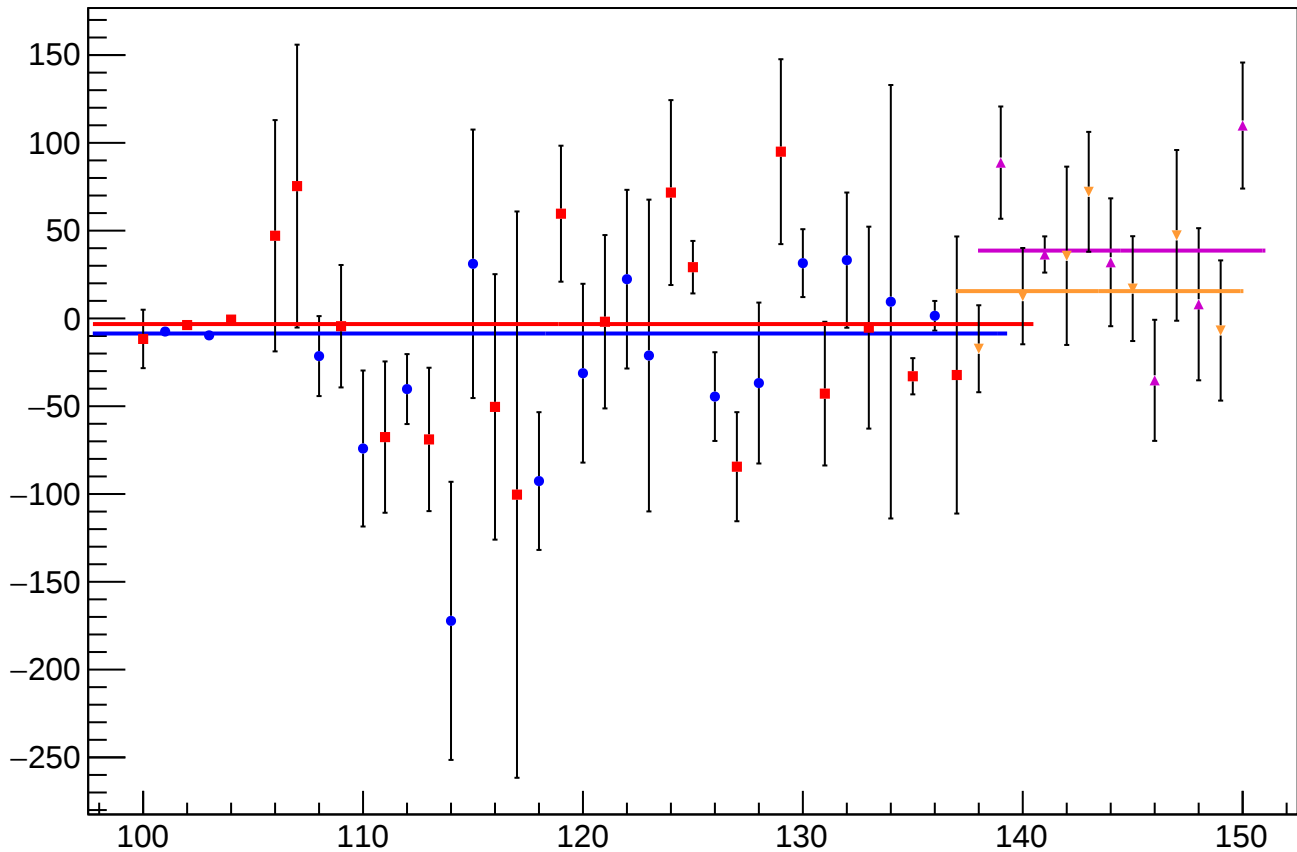
Left In: 17610.283 ± 7.518 $\chi^2/\text{NDF}: 2229340.9/5$

5040.005 ± 1.792 $\chi^2/\text{NDF}: 12208812.3/23$

5162.341 ± 1.306 $\chi^2/\text{NDF}: 24796964.3/4$

5300.658 ± 1.906 $\chi^2/\text{NDF}: 12578227.2/25$

diff_bpm0l03Y_mean vs Slug, Sign Corrected



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

Left Out: 15.553 ± 12.521 χ^2/NDF : 5.4/6

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

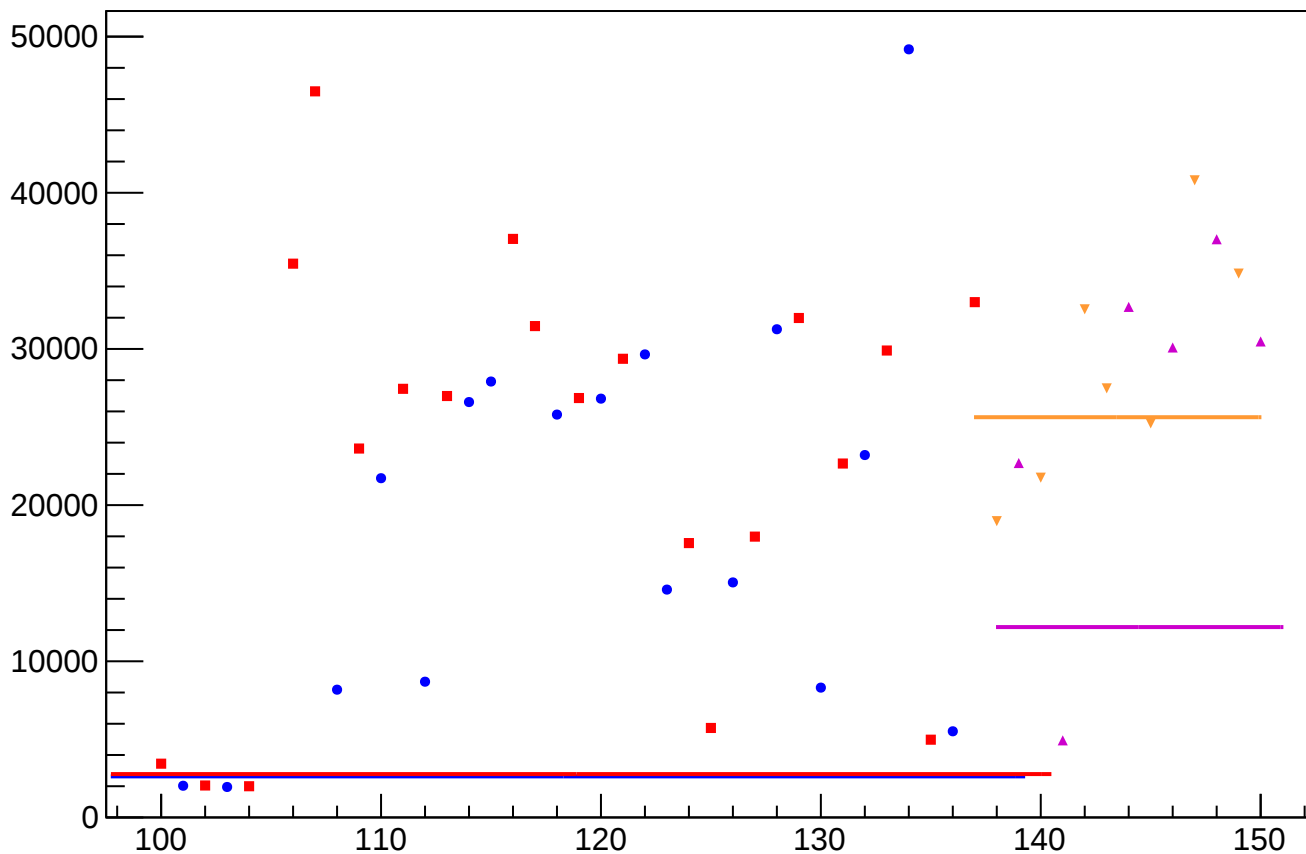
Left In: 38.639 ± 8.675 χ^2/NDF : 11.6/5

-8.109 ± 1.760 χ^2/NDF : 33.5/23

-4.899 ± 1.284 χ^2/NDF : 111.5/49

-1.250 ± 1.877 χ^2/NDF : 71.0/25

diff_bpm0l03Y_rms vs Slug, Sign Corrected



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

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

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

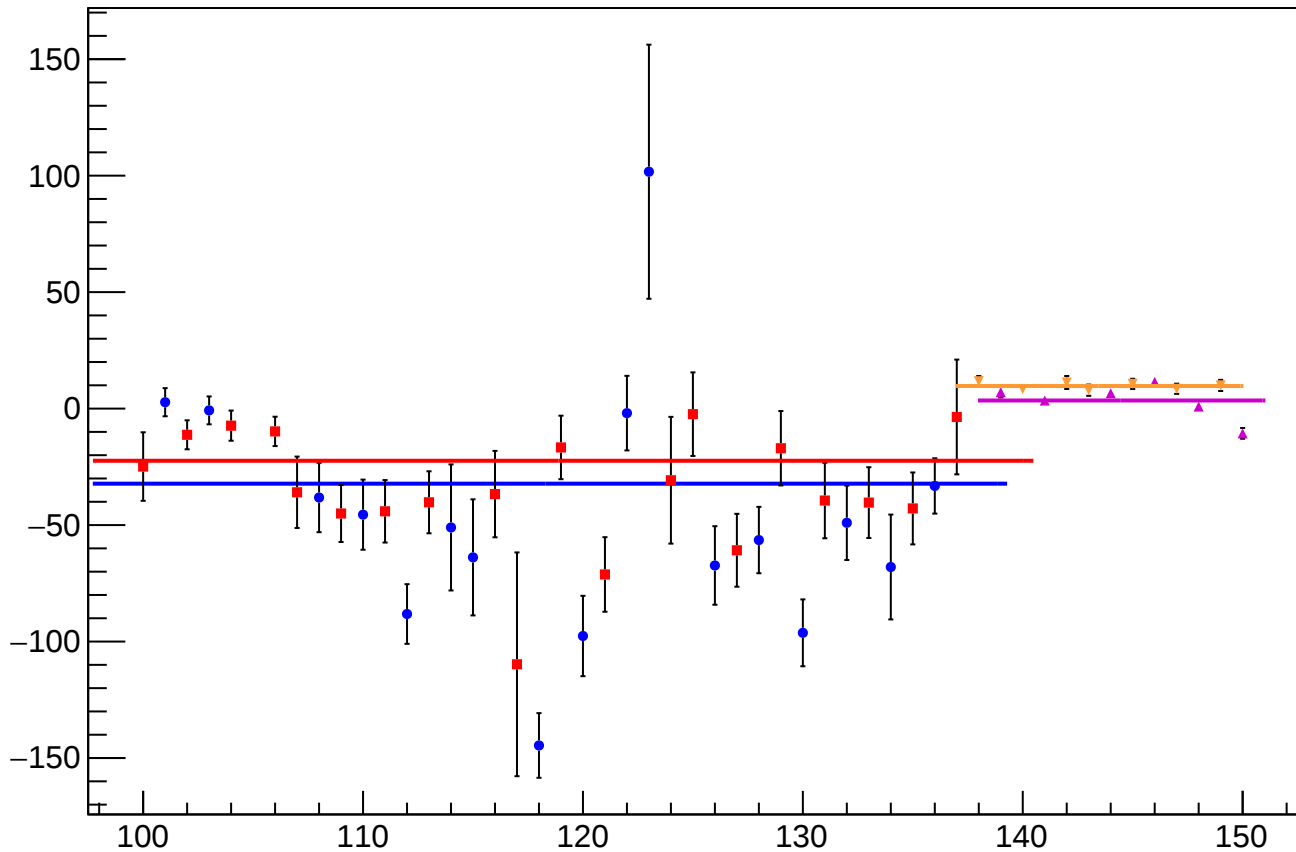
Left In: 12190.809 $\pm$ 6.134 χ^2/NDF : 3555363.7/5

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

3147.259 $\pm$ 0.908 χ^2/NDF : 26436443.7/4

3218.006 $\pm$ 1.327 χ^2/NDF : 13699184.6/25

diff_bpm0l04X_mean vs Slug, Sign Corrected



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

Left Out: 9.693 ± 0.874 χ^2/NDF : 2.5/6

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

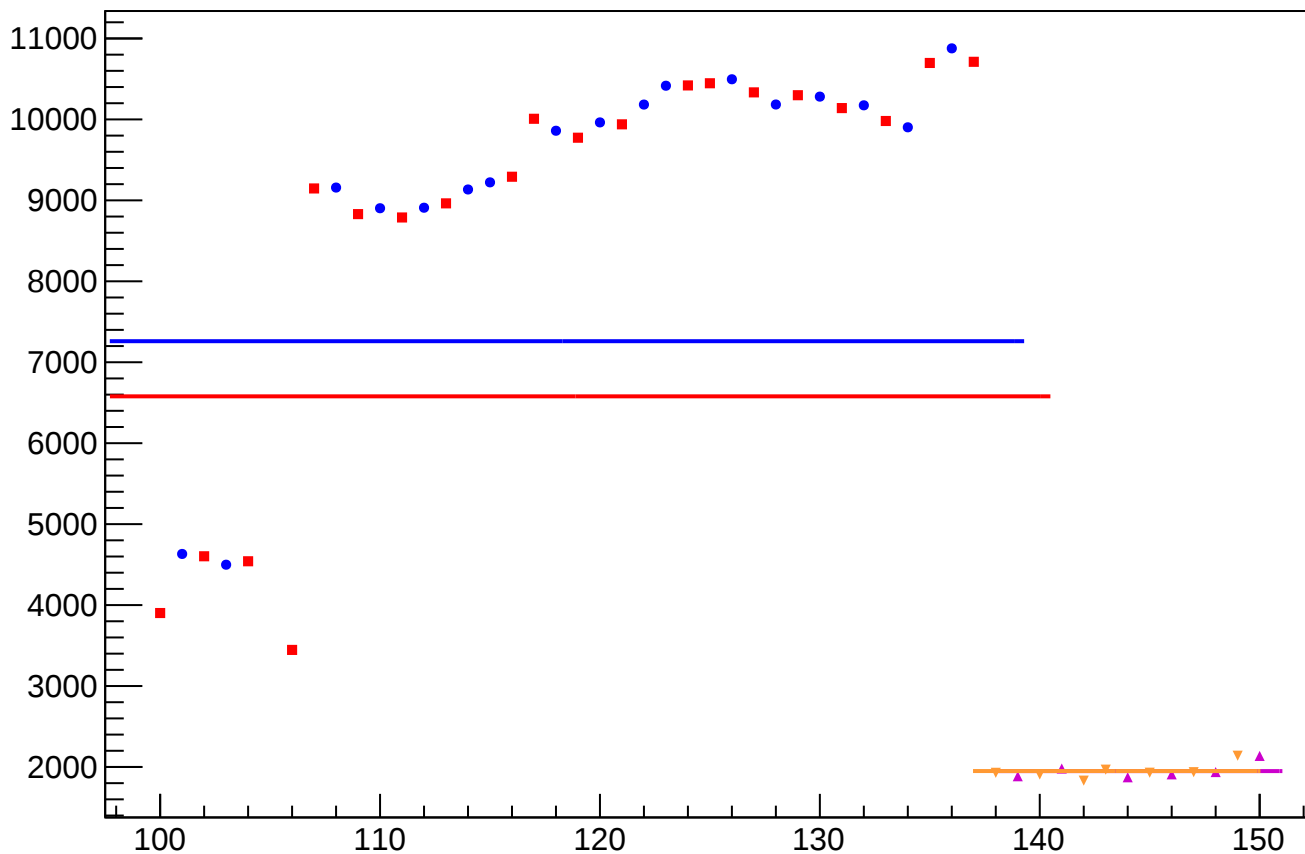
Left In: 3.481 ± 0.884 χ^2/NDF : 58.3/5

6.373 ± 0.839 χ^2/NDF : 388.2/23

3.645 ± 0.593 χ^2/NDF : 599.4/49

0.918 ± 0.839 χ^2/NDF : 190.1/25

diff_bpm0l04X_rms vs Slug, Sign Corrected



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

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

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

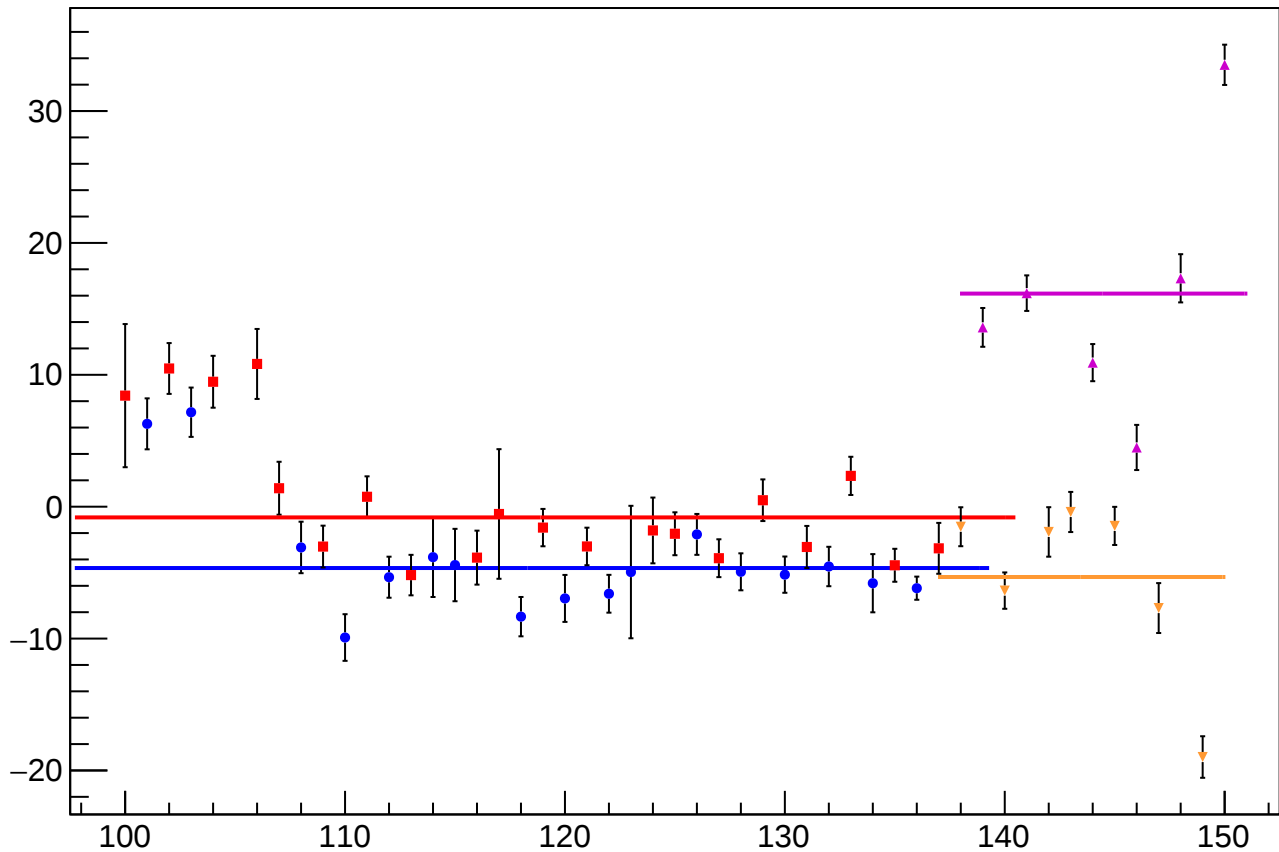
Left In: 1949.009+/-0.625 χ^2/NDF : 18949.6/5

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

2389.065+/-0.420 χ^2/NDF : 15161364.2/4

2407.818+/-0.593 χ^2/NDF : 7662819.2/25

diff_bpm0l04Y_mean vs Slug, Sign Corrected



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

Left Out: -5.331 ± 0.591 χ^2/NDF : 104.8/6

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

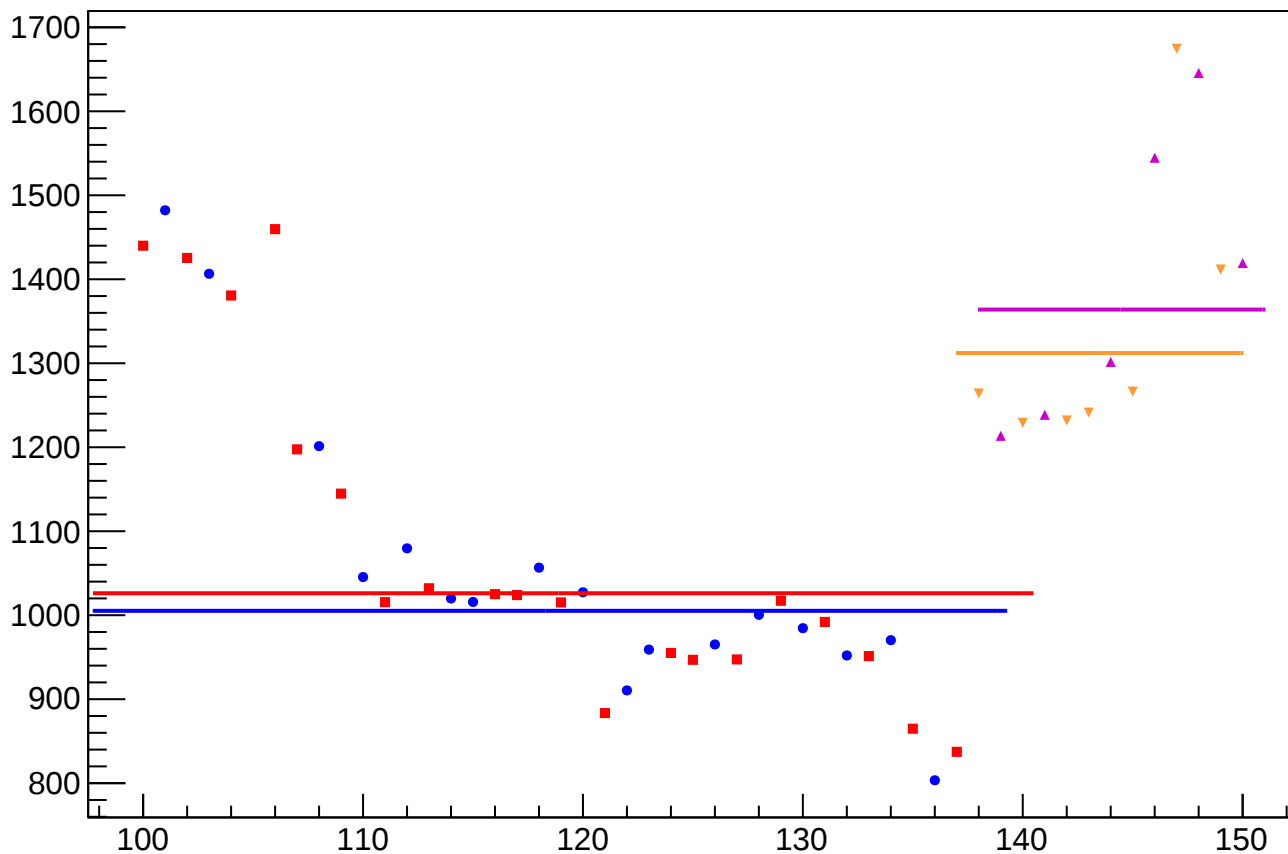
Left In: 16.158 ± 0.622 χ^2/NDF : 192.7/5

-4.859 ± 0.327 χ^2/NDF : 203.3/23

-0.487 ± 0.232 χ^2/NDF : 1415.5/49

3.930 ± 0.329 χ^2/NDF : 853.0/25

diff_bpm0l04Y_rms vs Slug, Sign Corrected



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

Left Out: 1312.182 $\pm$ 0.418 χ^2 /NDF: 100674.4/6

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

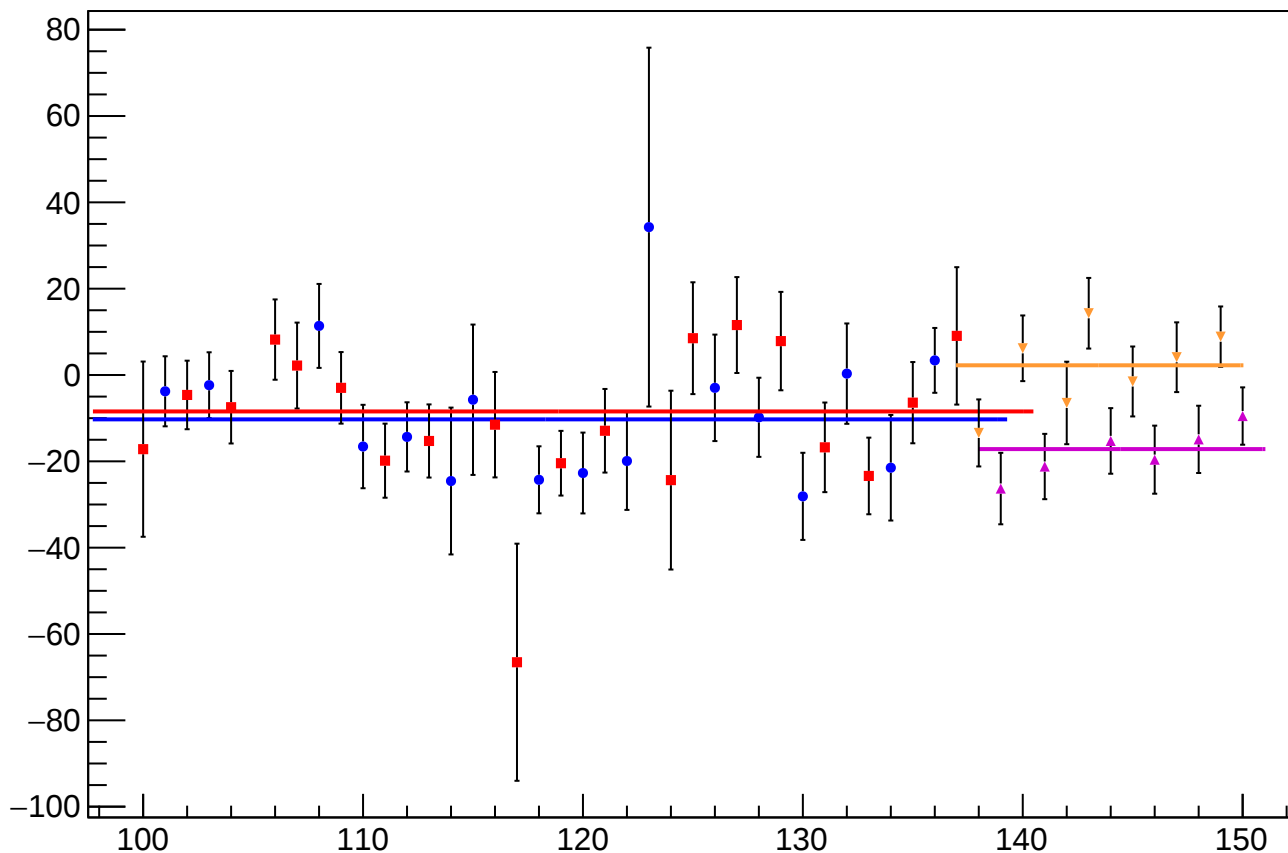
Left In: 1363.920 $\pm$ 0.440 χ^2 /NDF: 114504.5/5

1099.180 $\pm$ 0.231 χ^2 /NDF: 836787.7/23

1109.806 $\pm$ 0.164 χ^2 /NDF: 1713797.9/49

1120.541 $\pm$ 0.232 χ^2 /NDF: 872766.6/25

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.277 $\pm$ 2.408 χ^2/NDF : 23.5/16

Left Out: 2.249 $\pm$ 3.005 χ^2/NDF : 8.5/6

Right Out: -8.441 $\pm$ 2.271 χ^2/NDF : 27.3/19

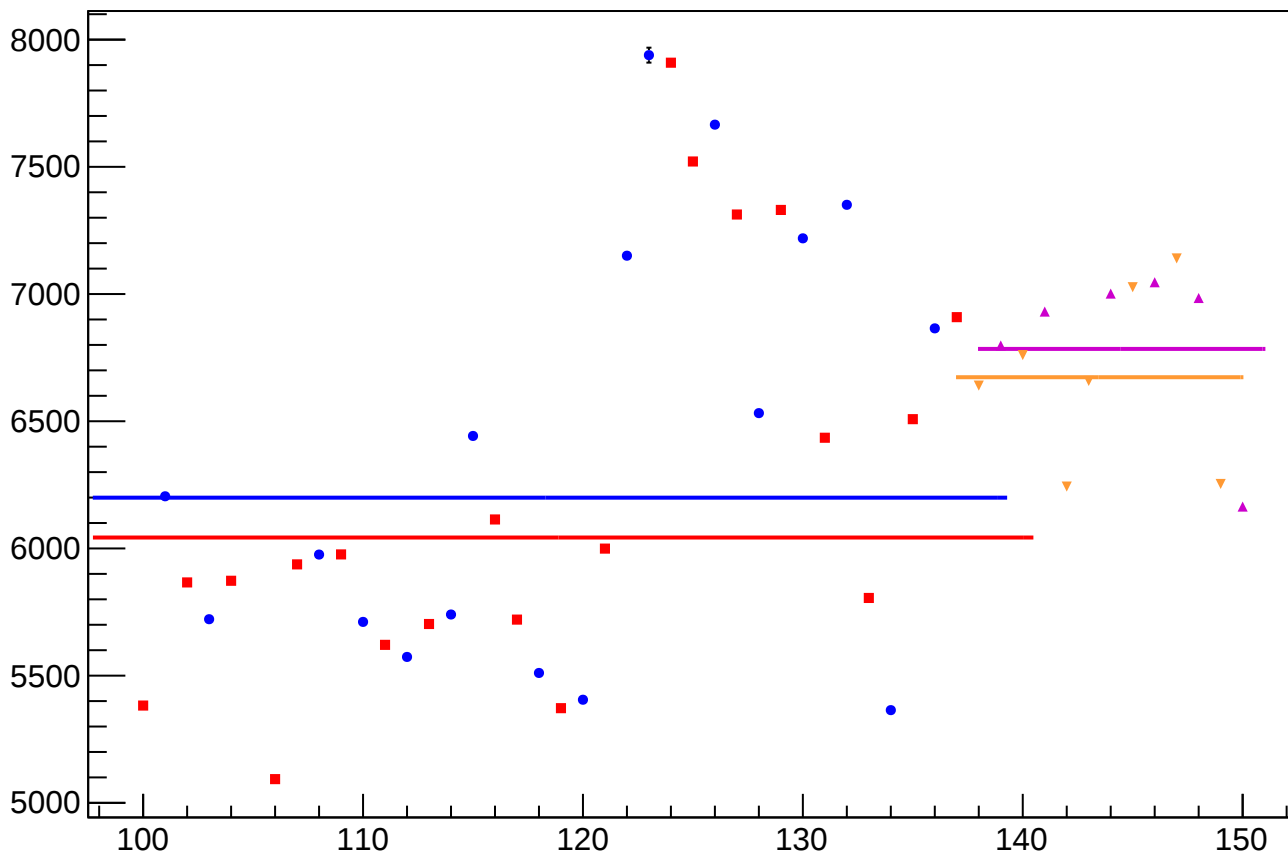
Left In: -17.164 $\pm$ 3.092 χ^2/NDF : 3.1/5

-5.379 $\pm$ 1.879 χ^2/NDF : 42.6/23

-8.518 $\pm$ 1.311 χ^2/NDF : 83.5/49

-11.497 $\pm$ 1.830 χ^2/NDF : 35.5/25

diff_bpm0l05X_rms vs Slug, Sign Corrected



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

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

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

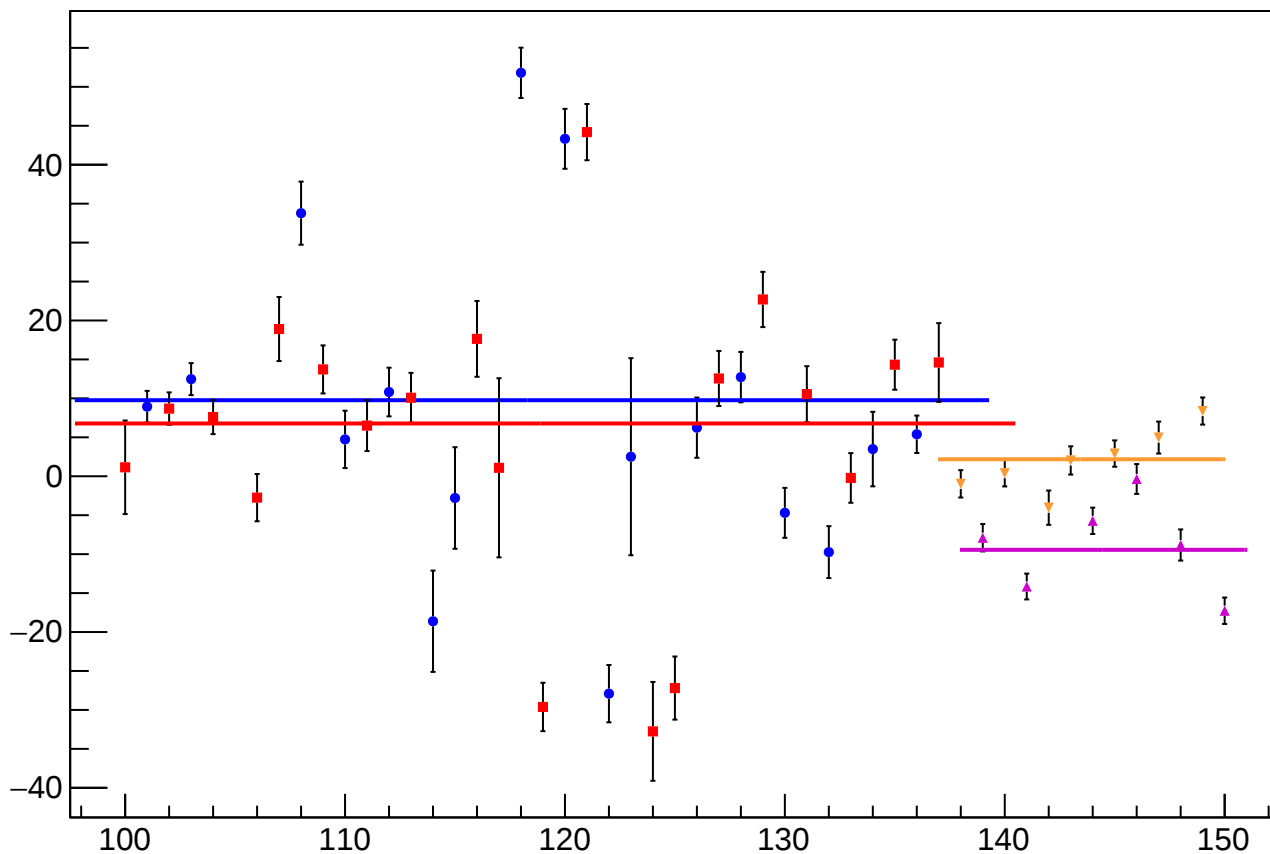
Left In: 6784.311 +/- 2.186 χ^2/NDF : 23327.8/5

6384.735 +/- 1.329 χ^2/NDF : 224038.7/23

6342.623 +/- 0.927 χ^2/NDF : 482617.0/49

6302.671 +/- 1.294 χ^2/NDF : 256620.5/25

diff_bpm0l05Y_mean vs Slug, Sign Corrected



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

Left Out: 2.180 ± 0.691 χ^2/NDF : 27.0/6

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

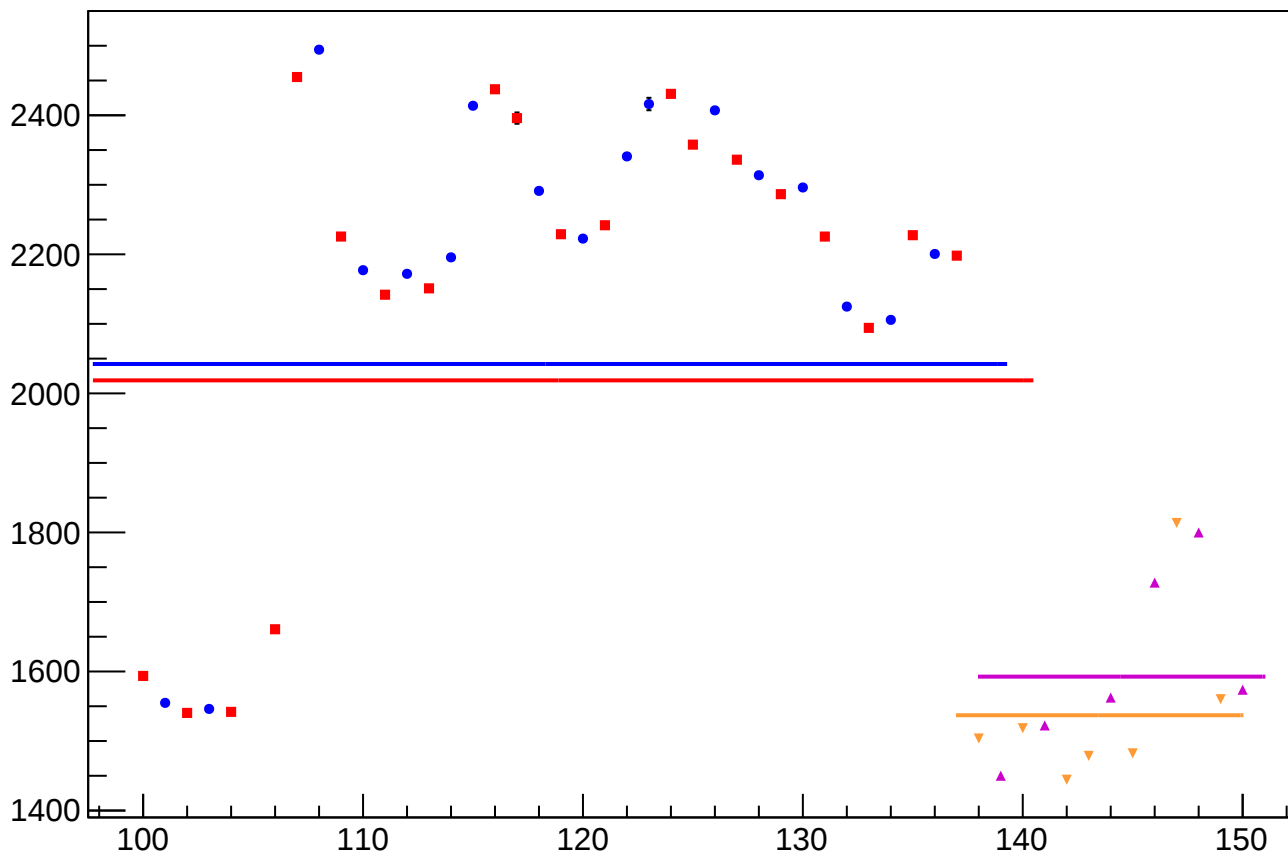
Left In: -9.445 ± 0.724 χ^2/NDF : 57.6/5

5.434 ± 0.522 χ^2/NDF : 552.5/23

1.861 ± 0.370 χ^2/NDF : 1364.2/49

-1.758 ± 0.525 χ^2/NDF : 717.4/25

diff_bpm0l05Y_rms vs Slug, Sign Corrected



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

Left Out: 1537.071 $\pm$ 0.488 χ^2/NDF : 45419.5/6

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

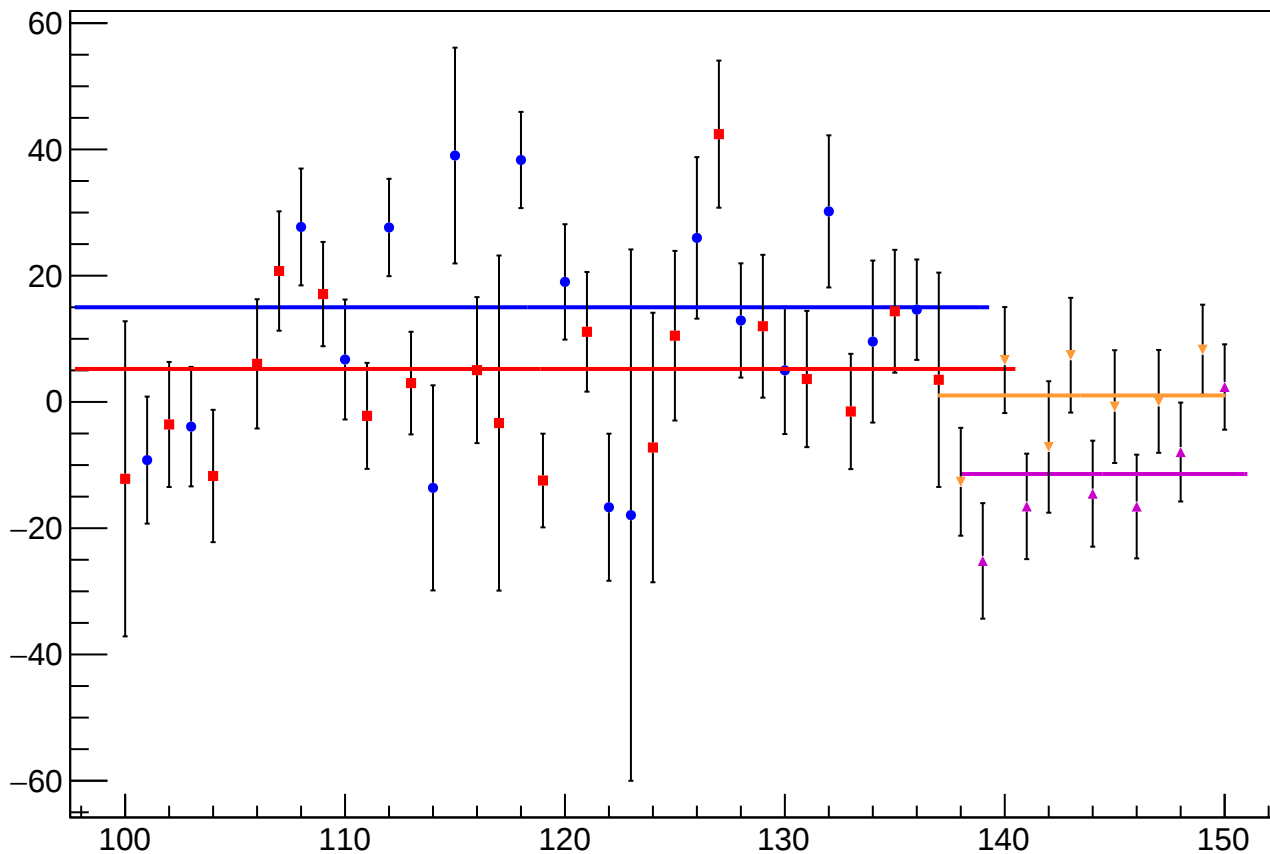
Left In: 1592.605 $\pm$ 0.512 χ^2/NDF : 49087.0/5

1753.807 $\pm$ 0.369 χ^2/NDF : 861260.9/23

1774.033 $\pm$ 0.262 χ^2/NDF : 1622267.7/49

1794.520 $\pm$ 0.371 χ^2/NDF : 754961.0/25

diff_bpm0l06X_mean vs Slug, Sign Corrected



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

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

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

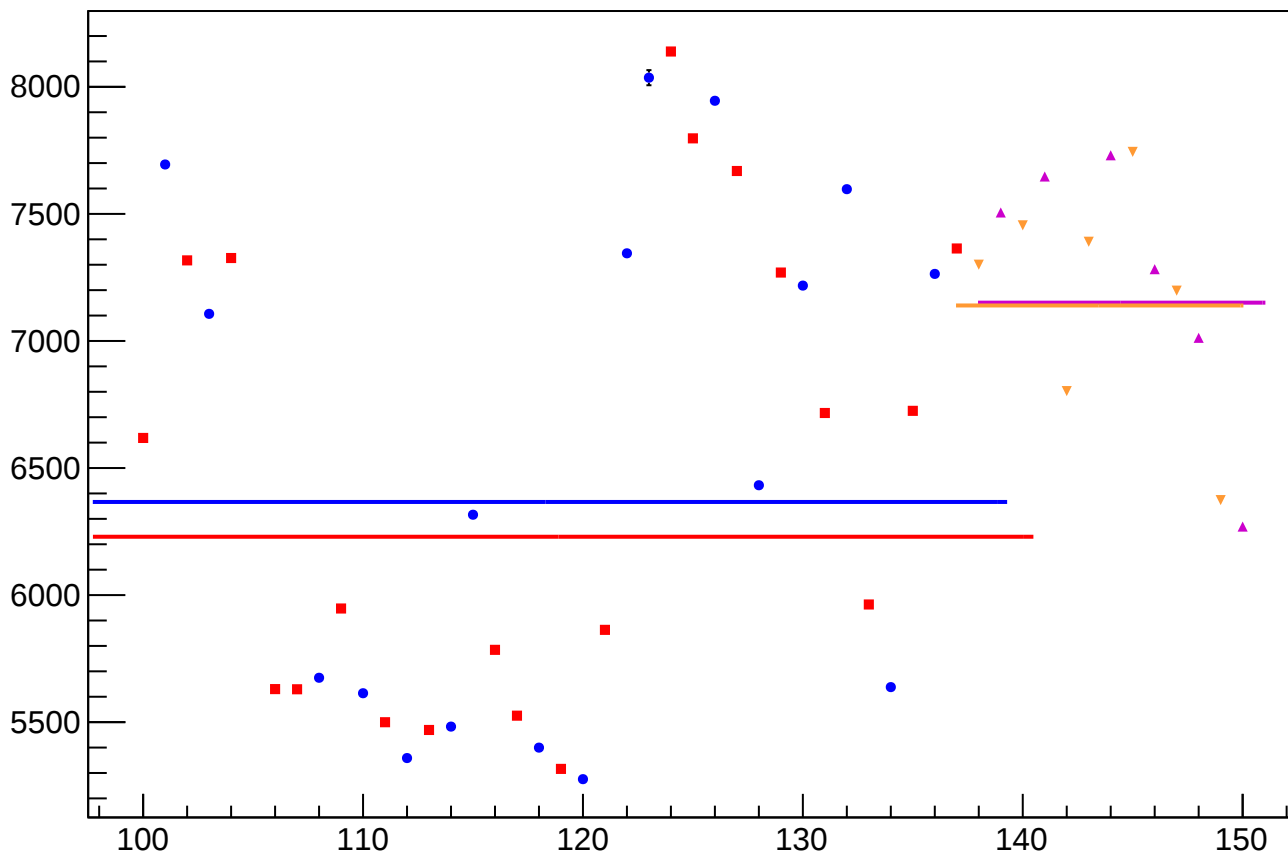
Left In: -11.416 $\pm$ 3.271 χ^2/NDF : 7.5/5

9.782 $\pm$ 1.967 χ^2/NDF : 58.3/23

4.516 $\pm$ 1.369 χ^2/NDF : 125.0/49

-0.435 $\pm$ 1.908 χ^2/NDF : 52.8/25

diff_bpm0l06X_rms vs Slug, Sign Corrected



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

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

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

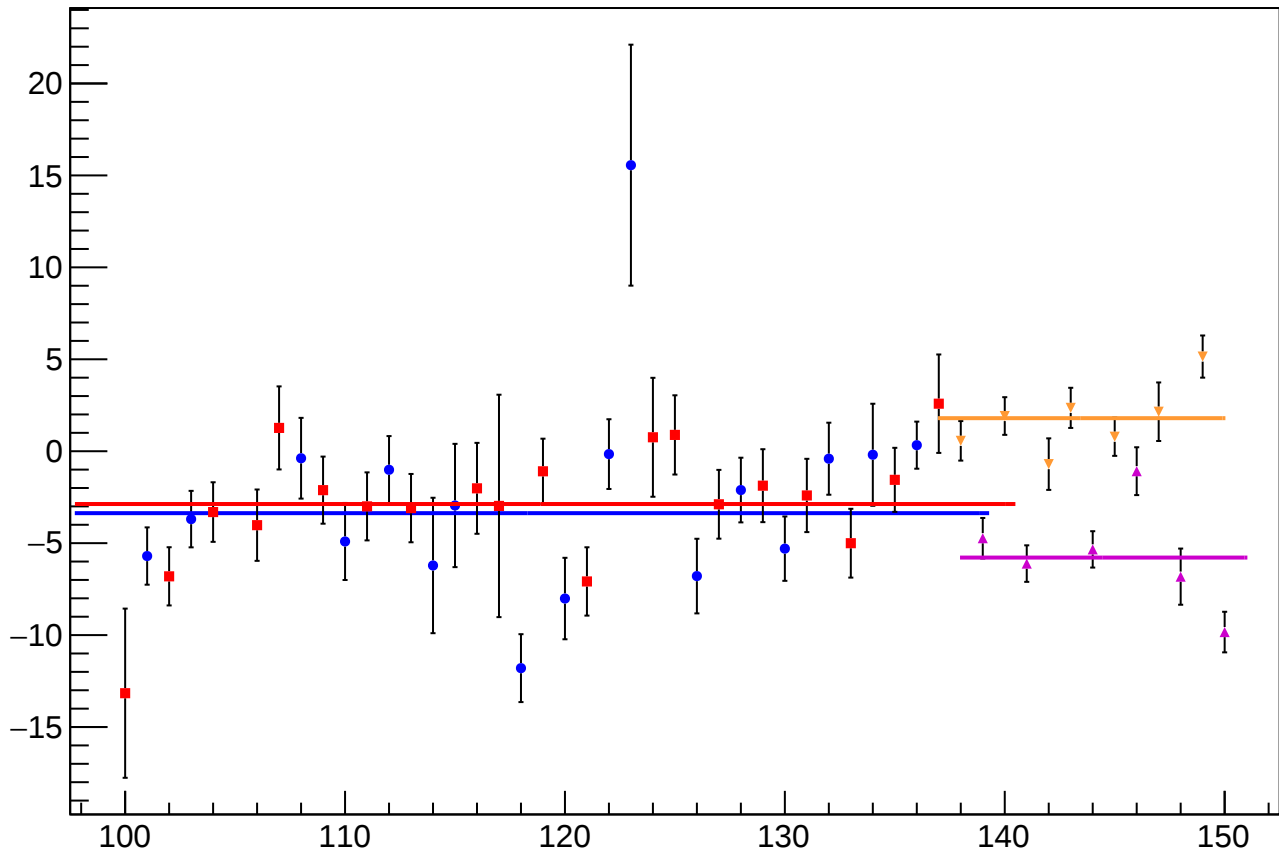
Left In: 7150.779 +/- 2.313 χ^2/NDF : 54725.3/5

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

6597.302 +/- 0.968 χ^2/NDF : 805609.5/49

6542.873 +/- 1.349 χ^2/NDF : 404012.6/25

diff_bpm0l06Y_mean vs Slug, Sign Corrected



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

Left Out: 1.798+/-0.437 χ^2/NDF : 14.3/6

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

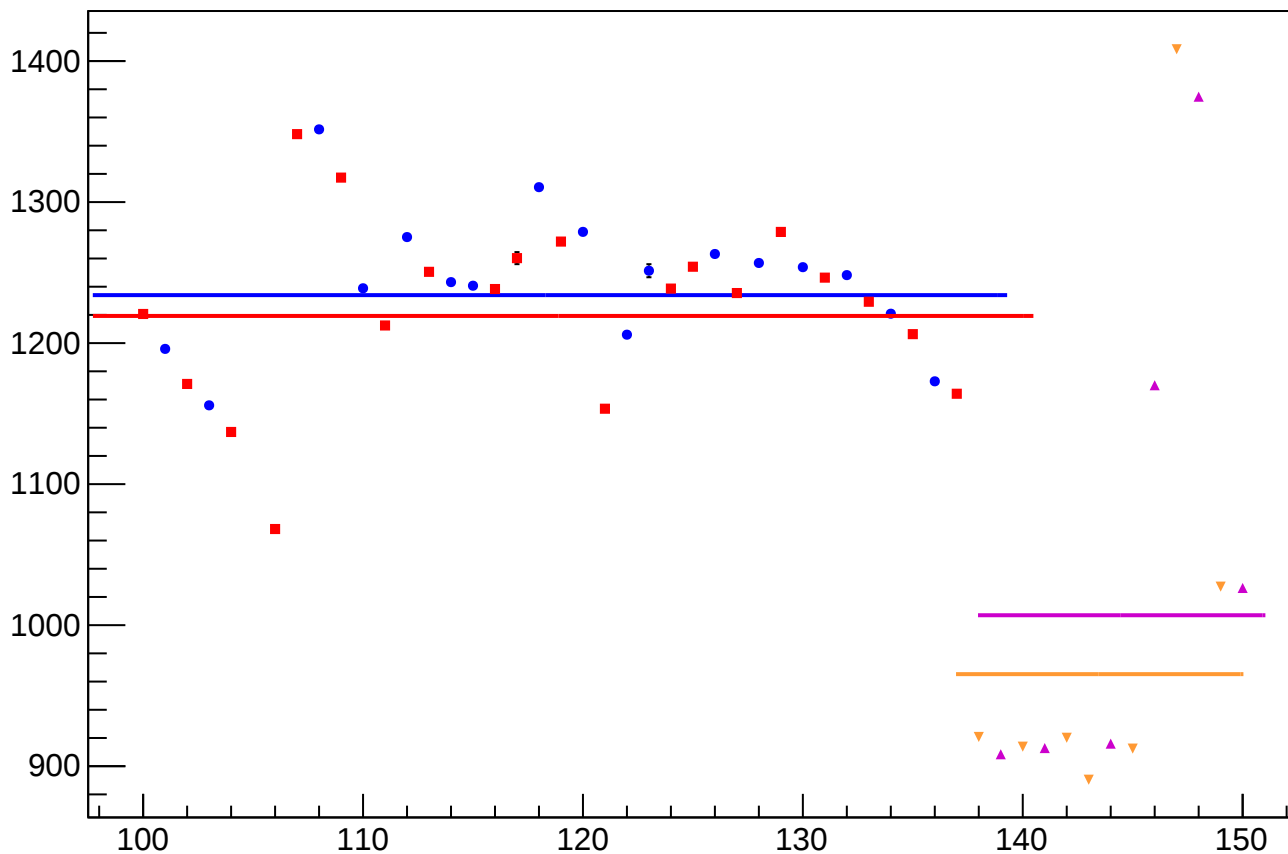
Left In: -5.784+/-0.461 χ^2/NDF : 28.2/5

-0.566+/-0.322 χ^2/NDF : 138.2/23

-2.423+/-0.228 χ^2/NDF : 285.9/49

-4.308+/-0.324 χ^2/NDF : 80.5/25

diff_bpm0l06Y_rms vs Slug, Sign Corrected



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

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

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

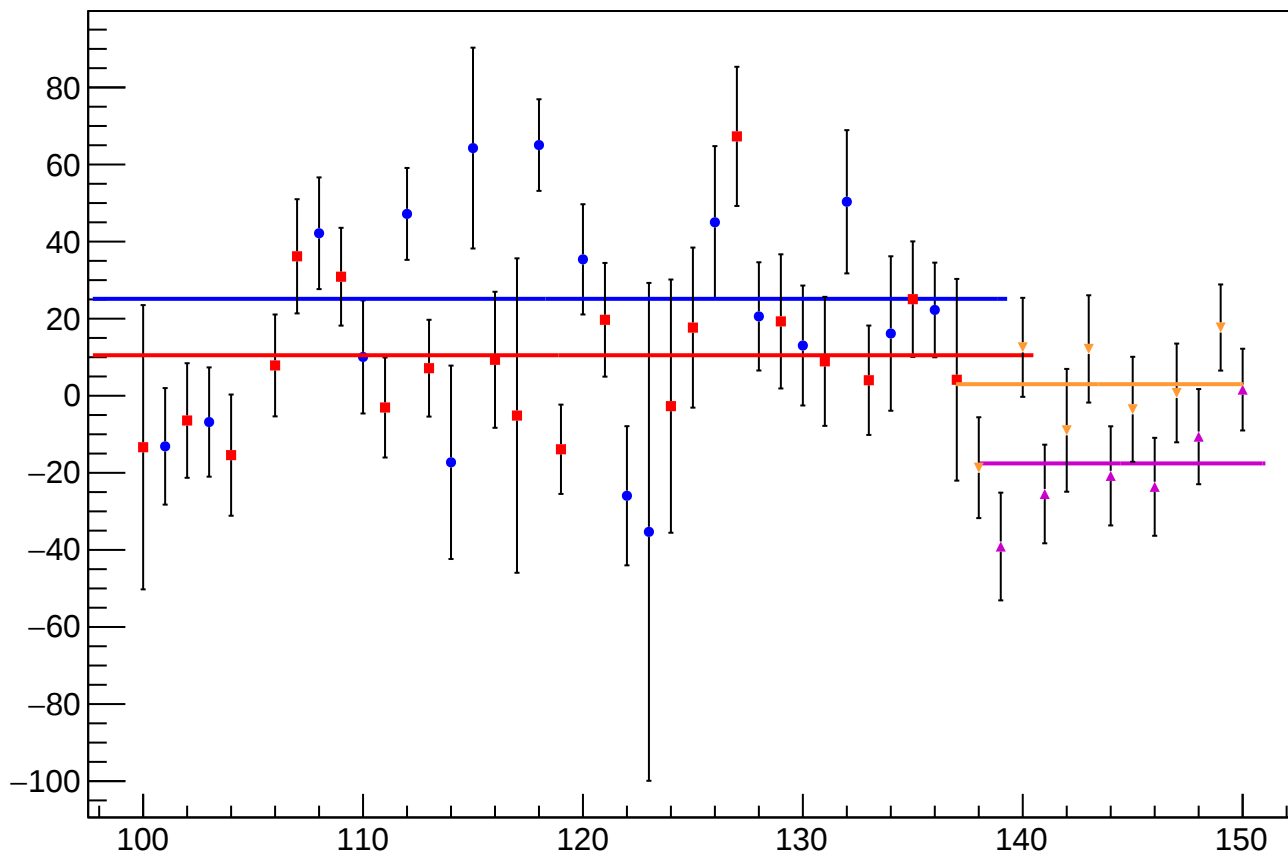
Left In: 1007.036 $\pm$ 0.326 χ^2/NDF : 198926.1/5

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

1101.295 $\pm$ 0.161 χ^2/NDF : 1016753.9/49

1114.564 $\pm$ 0.229 χ^2/NDF : 453981.9/25

diff_bpm0l07X_mean vs Slug, Sign Corrected



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

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

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

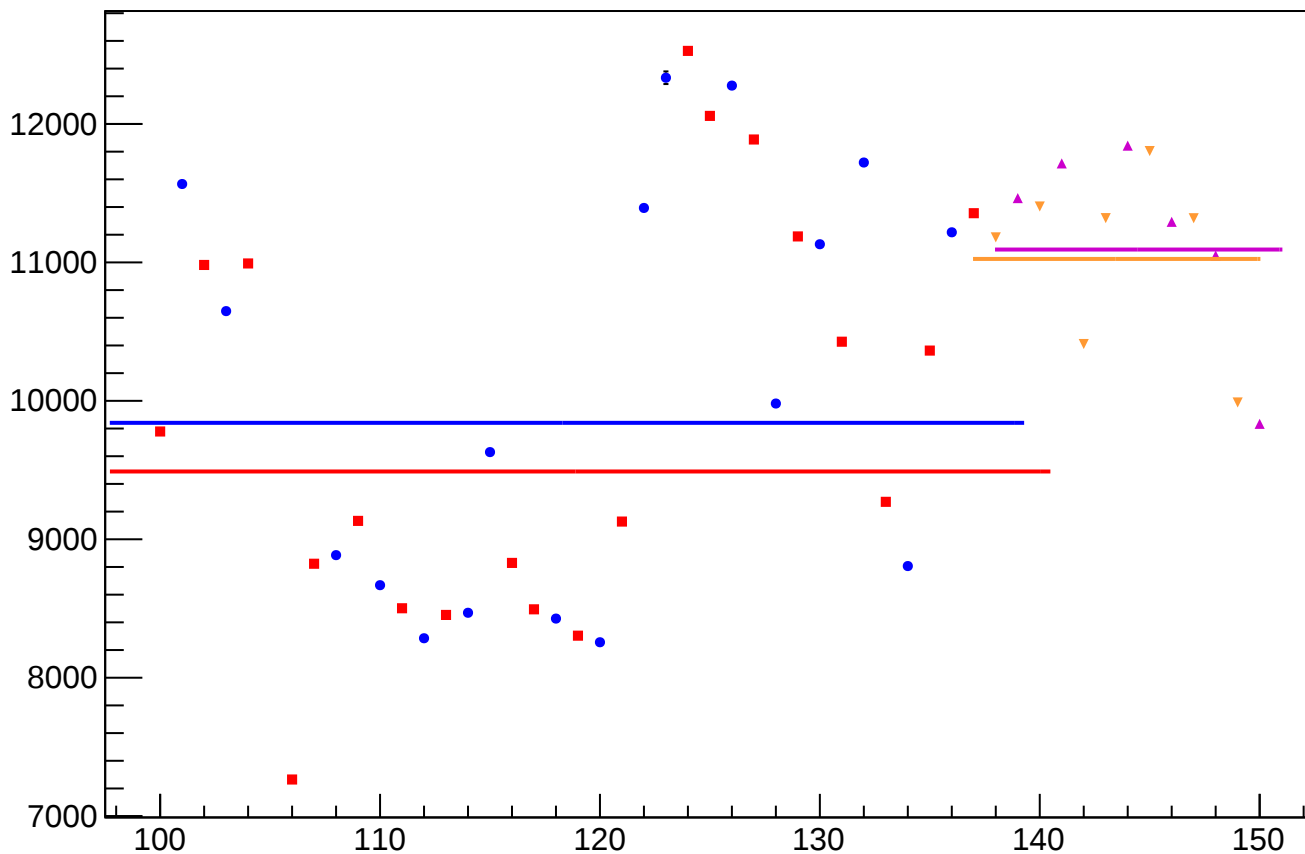
Left In: -17.559 $\pm$ 5.069 χ^2 /NDF: 6.6/5

16.877 $\pm$ 3.037 χ^2 /NDF: 65.7/23

8.726 $\pm$ 2.107 χ^2 /NDF: 134.5/49

1.167 $\pm$ 2.925 χ^2 /NDF: 54.9/25

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9841.174 $\pm$ 2.713 χ^2/NDF : 260062.4/16

Left Out: 11025.054 $\pm$ 3.514 χ^2/NDF : 30704.9/6

Right Out: 9489.753 $\pm$ 2.532 χ^2/NDF : 277900.5/19

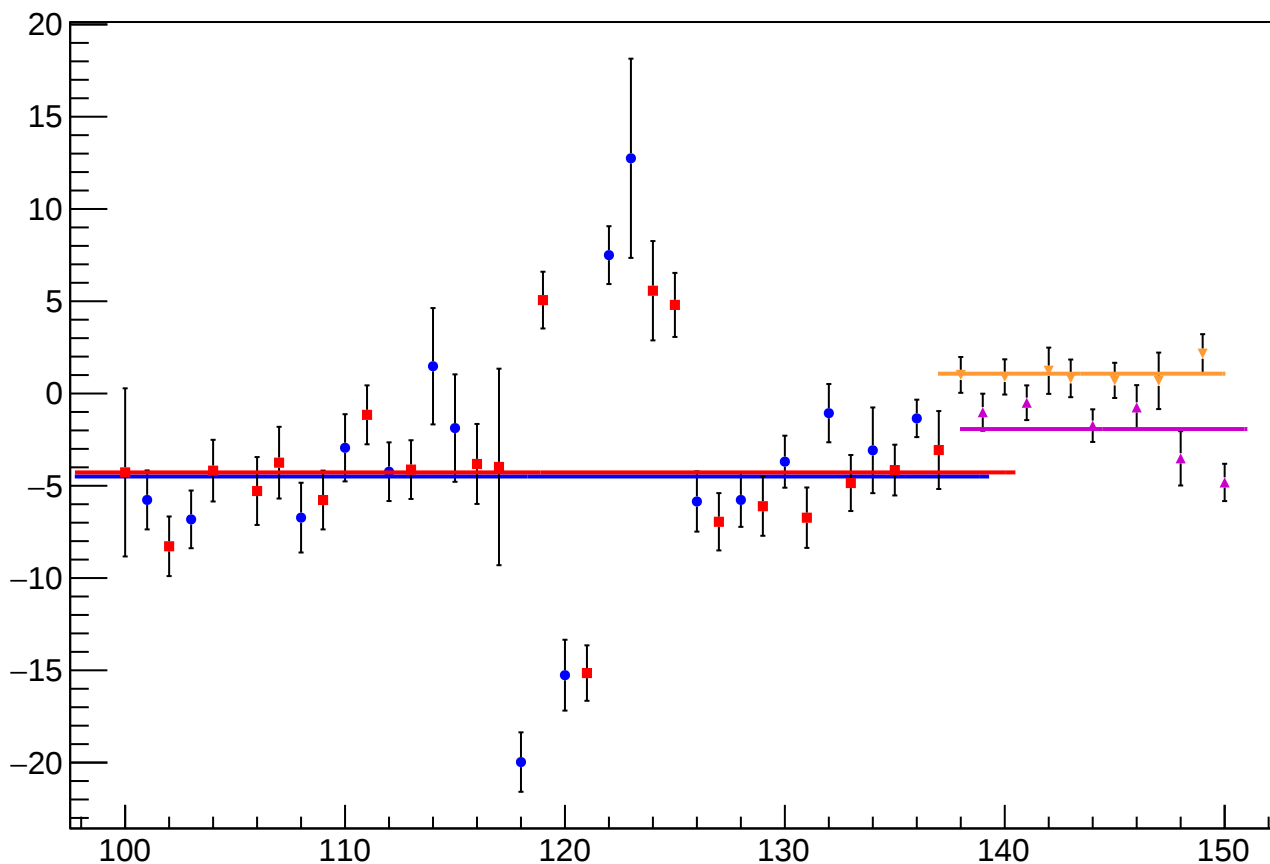
Left In: 11092.944 $\pm$ 3.584 χ^2/NDF : 41664.7/5

10283.406 $\pm$ 2.148 χ^2/NDF : 361875.4/23

10148.532 $\pm$ 1.490 χ^2/NDF : 822507.5/49

10023.475 $\pm$ 2.068 χ^2/NDF : 453031.3/25

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.497 $\pm$ 0.408 χ^2/NDF : 218.4/16

Left Out: 1.075 $\pm$ 0.402 χ^2/NDF : 1.4/6

Right Out: -4.275 $\pm$ 0.393 χ^2/NDF : 148.2/19

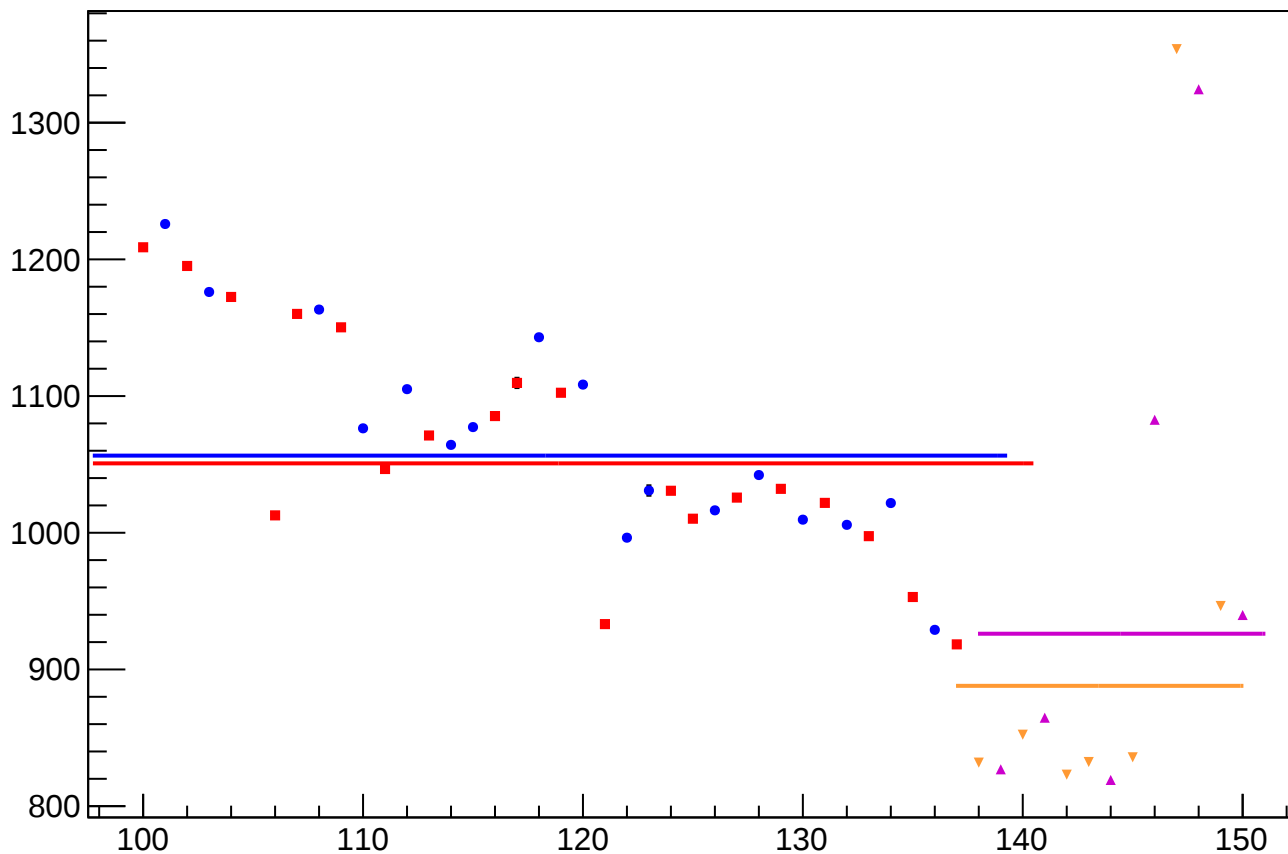
Left In: -1.926 $\pm$ 0.425 χ^2/NDF : 13.5/5

-1.670 $\pm$ 0.287 χ^2/NDF : 314.3/23

-2.426 $\pm$ 0.203 χ^2/NDF : 506.5/49

-3.193 $\pm$ 0.289 χ^2/NDF : 178.2/25

diff_bpm0l07Y_rms vs Slug, Sign Corrected



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

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

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

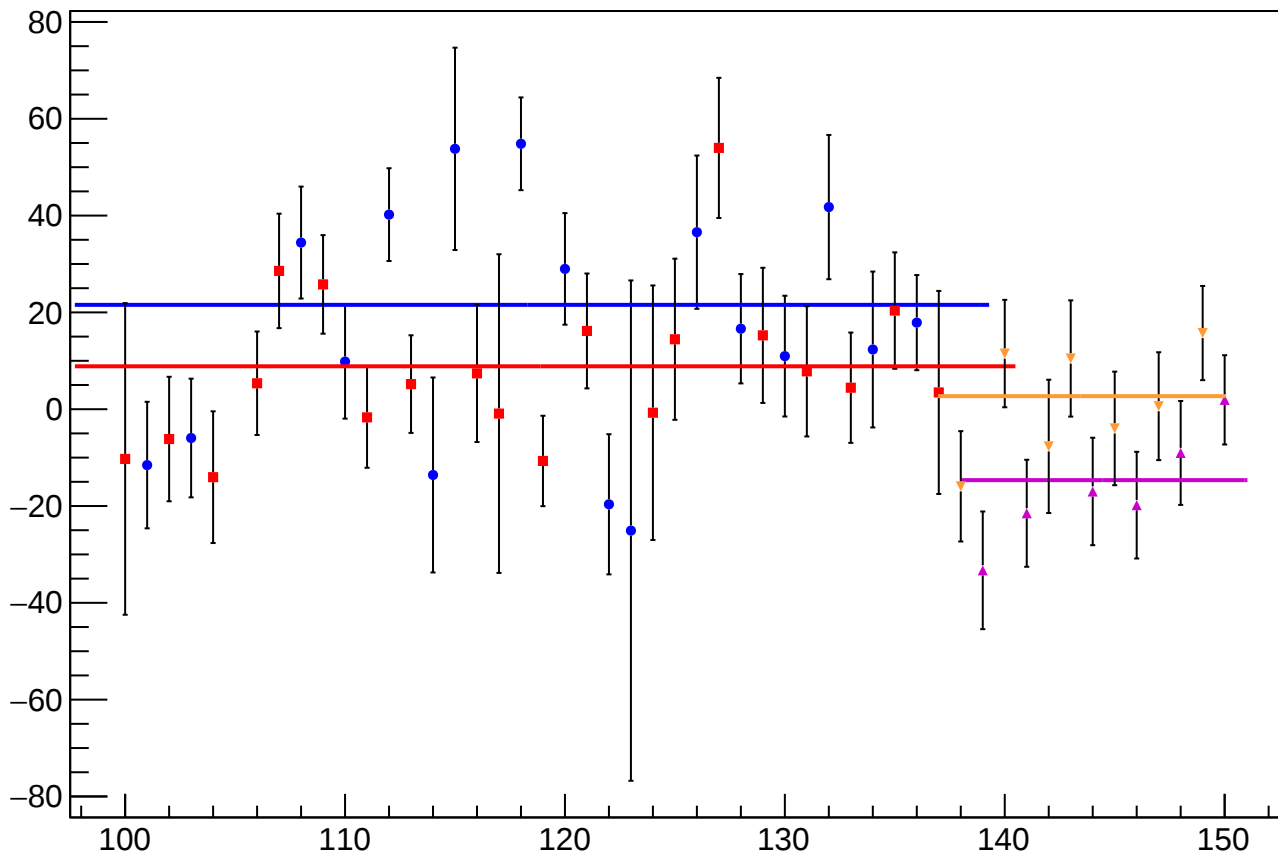
Left In: 926.139 +/- 0.301 χ^2/NDF : 237918.9/5

970.997 +/- 0.203 χ^2/NDF : 481819.3/23

982.106 +/- 0.144 χ^2/NDF : 901138.7/49

993.372 +/- 0.204 χ^2/NDF : 413263.7/25

diff_bpm0l08X_mean vs Slug, Sign Corrected



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

Left Out: 2.695 $\pm$ 4.307 χ^2/NDF : 6.4/6

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

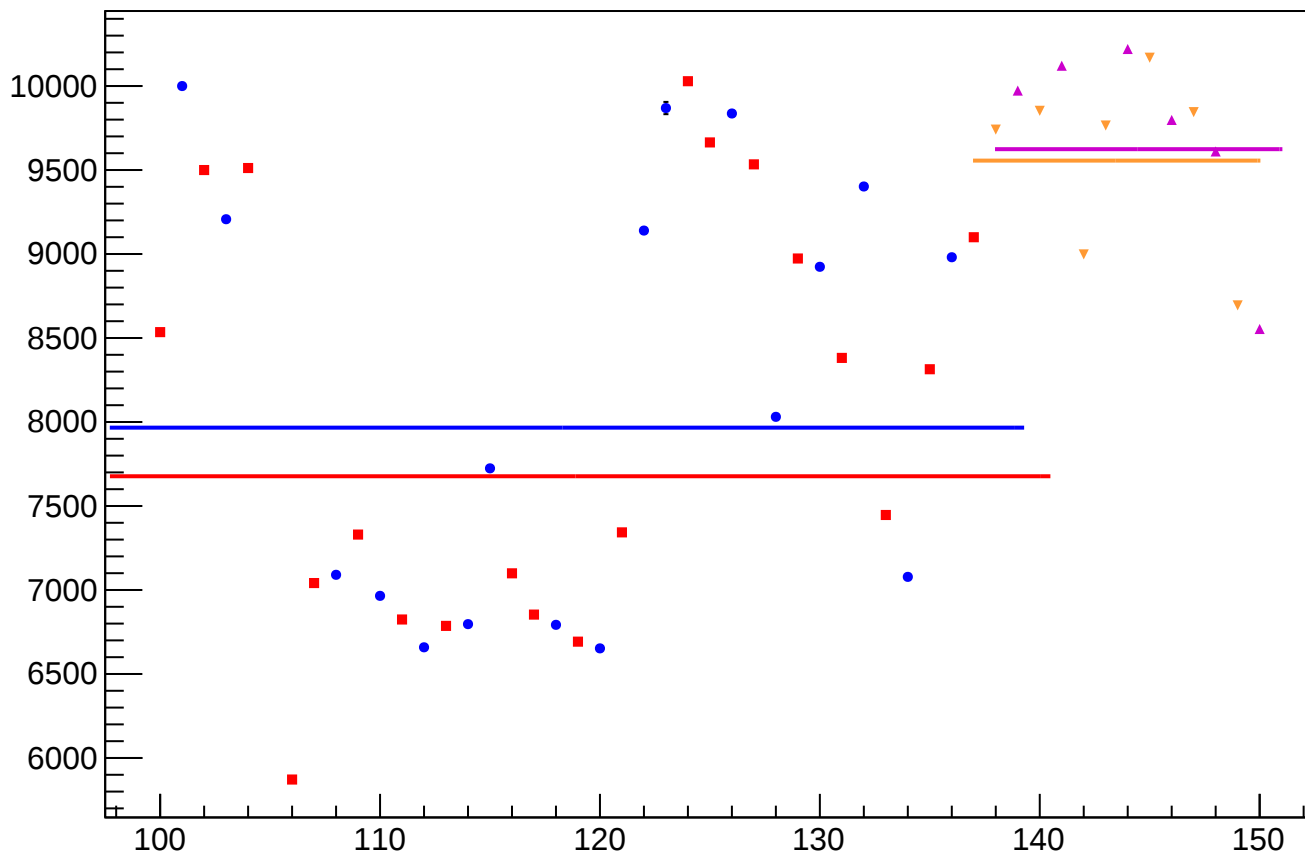
Left In: -14.653 $\pm$ 4.396 χ^2/NDF : 6.5/5

15.094 $\pm$ 2.521 χ^2/NDF : 67.4/23

8.142 $\pm$ 1.746 χ^2/NDF : 136.0/49

1.734 $\pm$ 2.421 χ^2/NDF : 54.0/25

diff_bpm0l08X_rms vs Slug, Sign Corrected



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

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

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

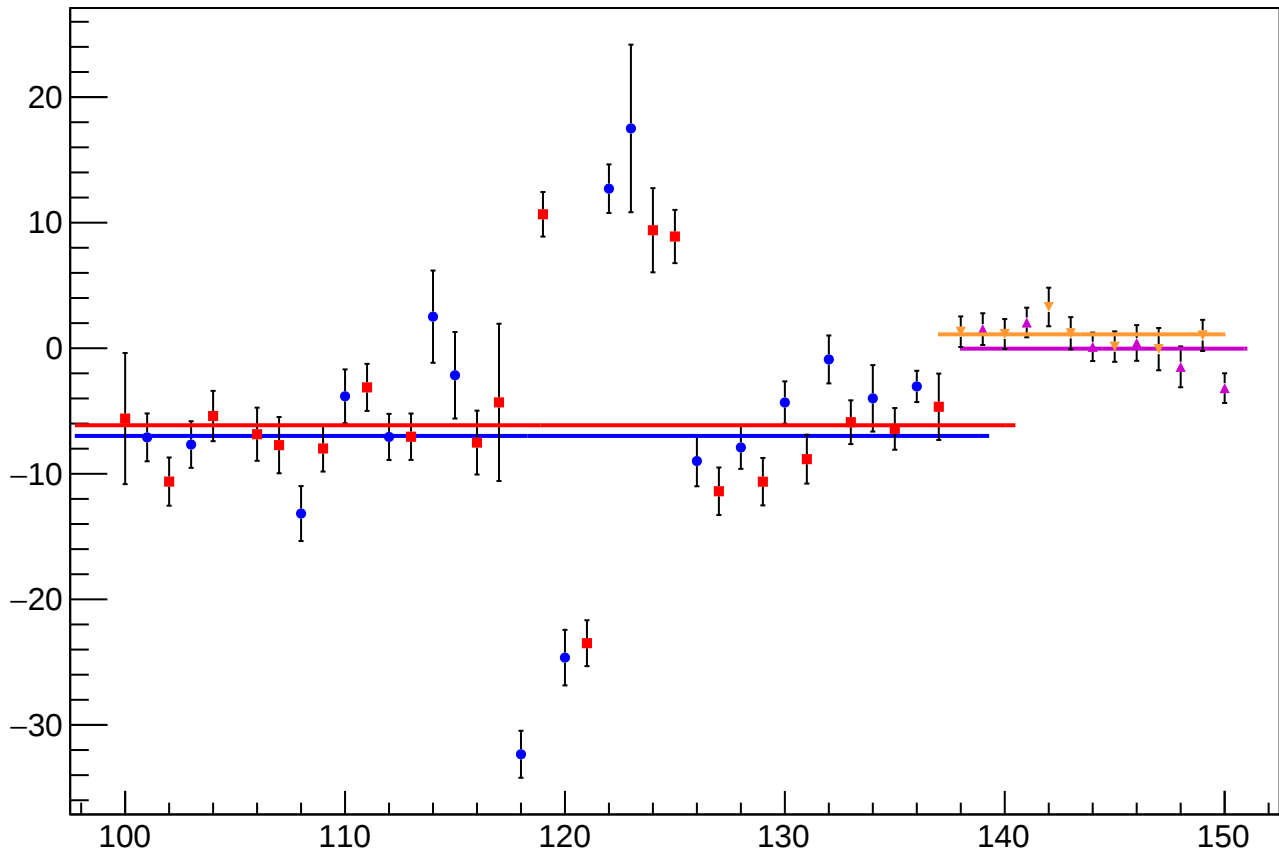
Left In: 9624.082 ± 3.109 χ^2/NDF : 38901.5/5

8511.328 ± 1.783 χ^2/NDF : 504020.3/23

8384.485 ± 1.235 χ^2/NDF : 1142266.8/49

8267.545 ± 1.712 χ^2/NDF : 628519.3/25

diff_bpm0l08Y_mean vs Slug, Sign Corrected



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

Left Out: 1.107 ± 0.494 χ^2/NDF : 3.2/6

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

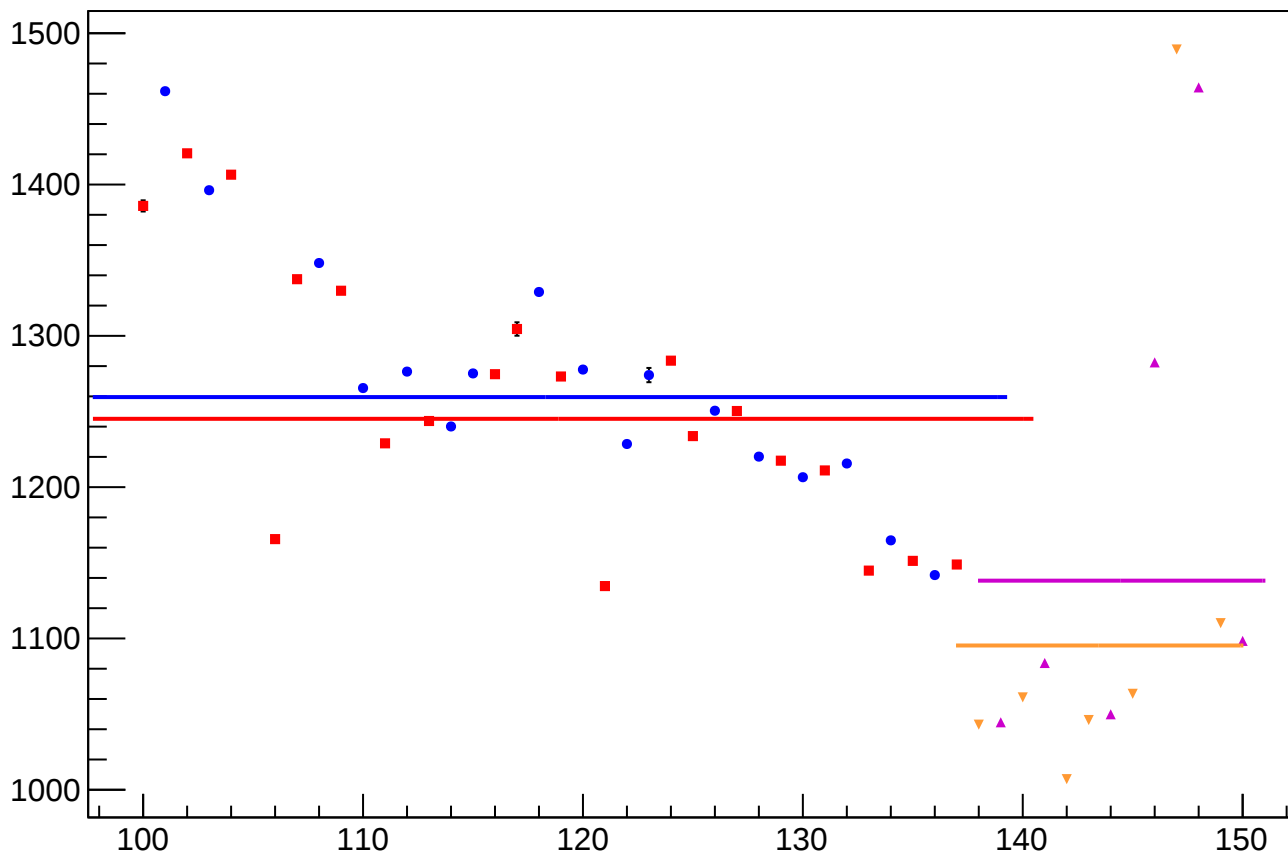
Left In: -0.033 ± 0.519 χ^2/NDF : 12.6/5

-3.003 ± 0.347 χ^2/NDF : 548.0/23

-3.210 ± 0.245 χ^2/NDF : 915.4/49

-3.417 ± 0.347 χ^2/NDF : 366.8/25

diff_bpm0l08Y_rms vs Slug, Sign Corrected



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

Left Out: 1095.354 ± 0.349 χ^2/NDF : 126185.1/6

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

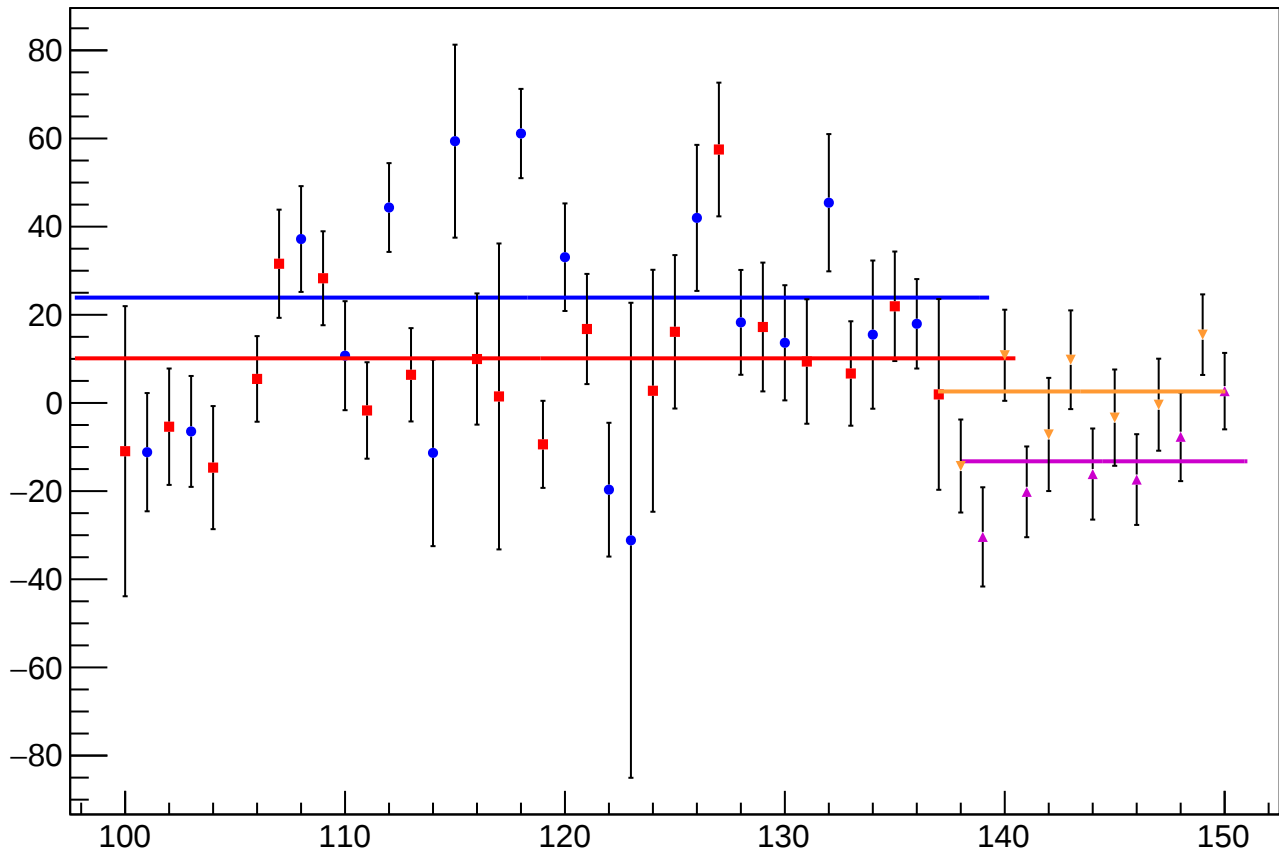
Left In: 1138.201 ± 0.367 χ^2/NDF : 130485.3/5

1178.747 ± 0.245 χ^2/NDF : 303249.7/23

1188.137 ± 0.173 χ^2/NDF : 550736.6/49

1197.531 ± 0.245 χ^2/NDF : 244548.8/25

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.904 $\pm$ 3.251 χ^2/NDF : 52.4/16

Left Out: 2.607 $\pm$ 4.019 χ^2/NDF : 6.6/6

Right Out: 10.125 $\pm$ 2.994 χ^2/NDF : 28.0/19

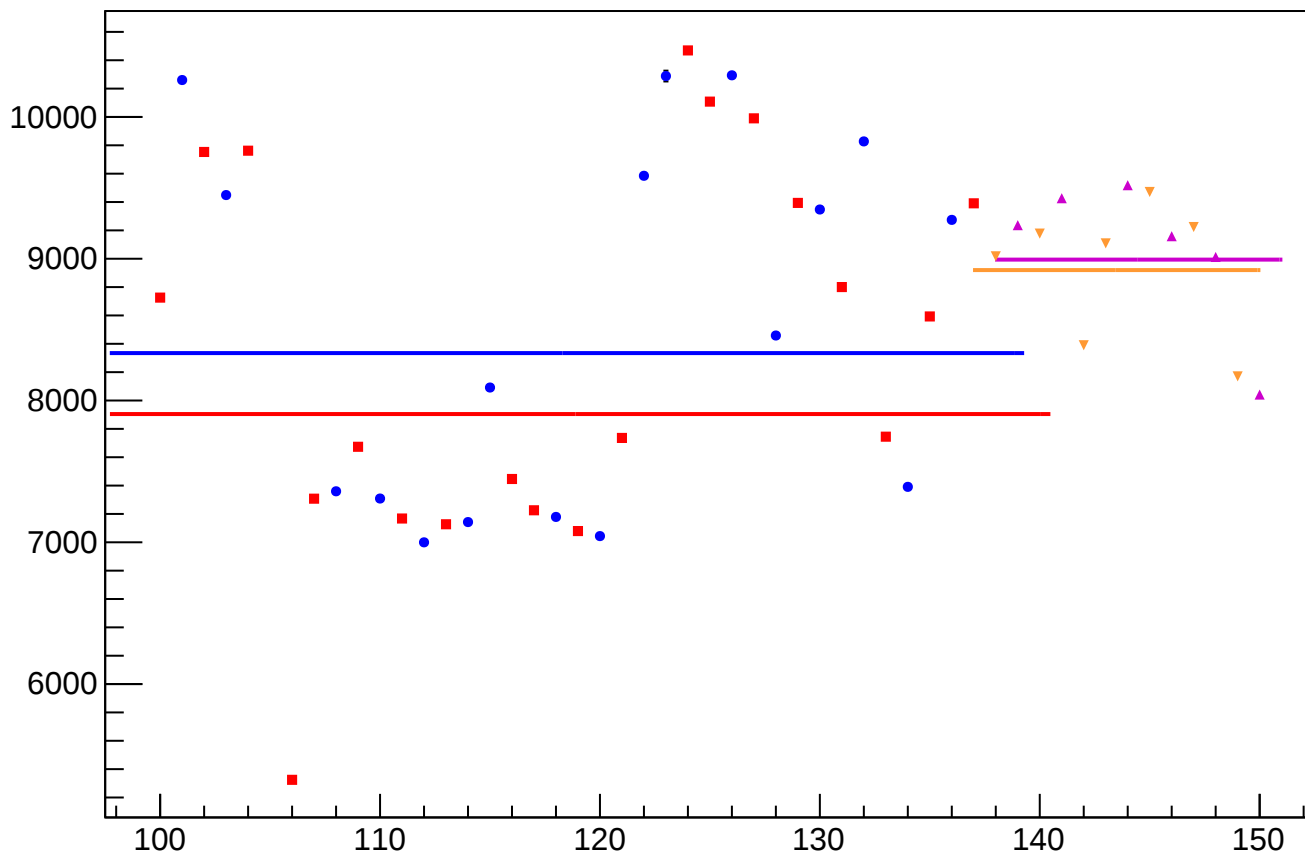
Left In: -13.239 $\pm$ 4.107 χ^2/NDF : 6.7/5

15.482 $\pm$ 2.527 χ^2/NDF : 76.0/23

8.455 $\pm$ 1.748 χ^2/NDF : 146.6/49

2.015 $\pm$ 2.419 χ^2/NDF : 55.8/25

diff_bpm0l09X_rms vs Slug, Sign Corrected



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

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

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

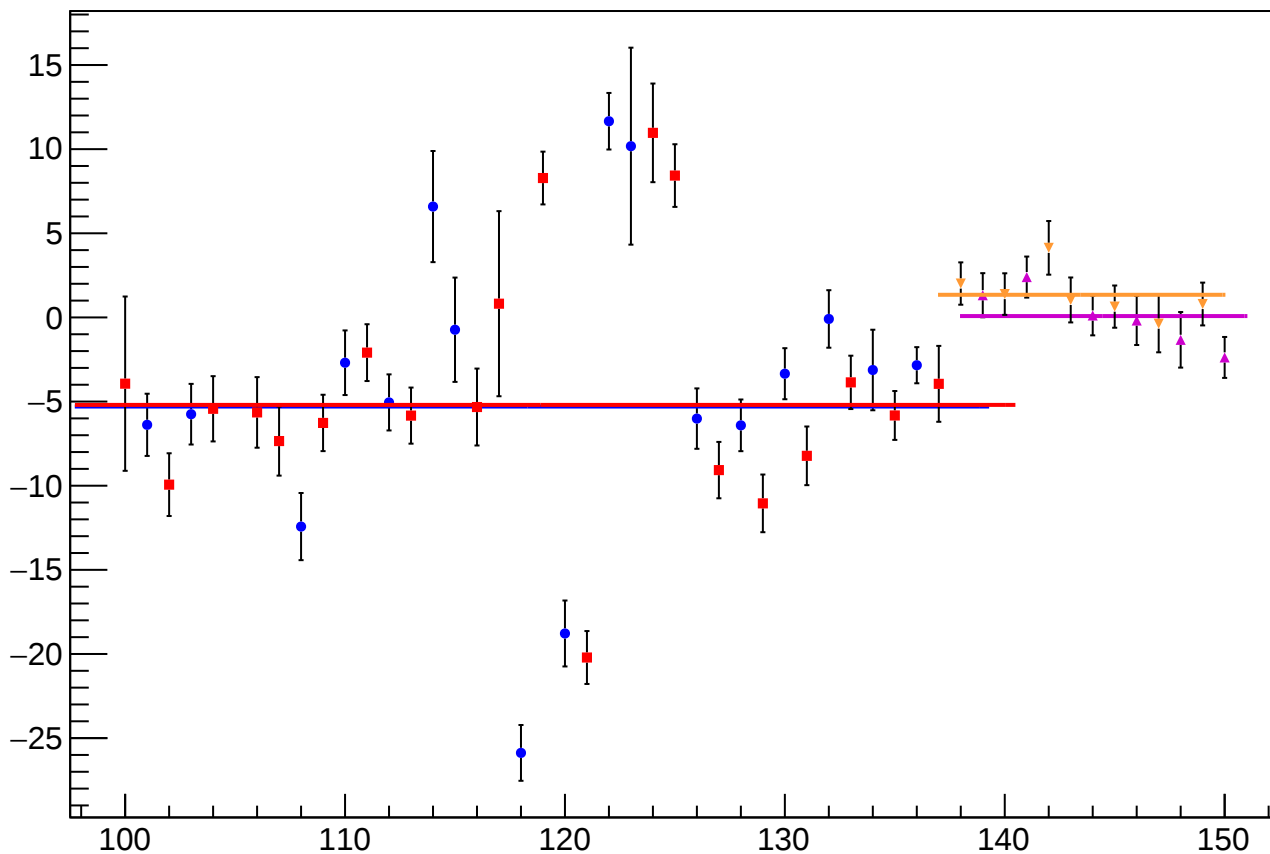
Left In: 8993.809 $\pm$ 2.904 χ^2/NDF : 34250.2/5

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

8418.158 $\pm$ 1.236 χ^2/NDF : 854410.2/49

8282.635 $\pm$ 1.711 χ^2/NDF : 517709.8/25

diff_bpm0l09Y_mean vs Slug, Sign Corrected



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

Left Out: 1.345 $\pm$ 0.510 χ^2/NDF : 4.9/6

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

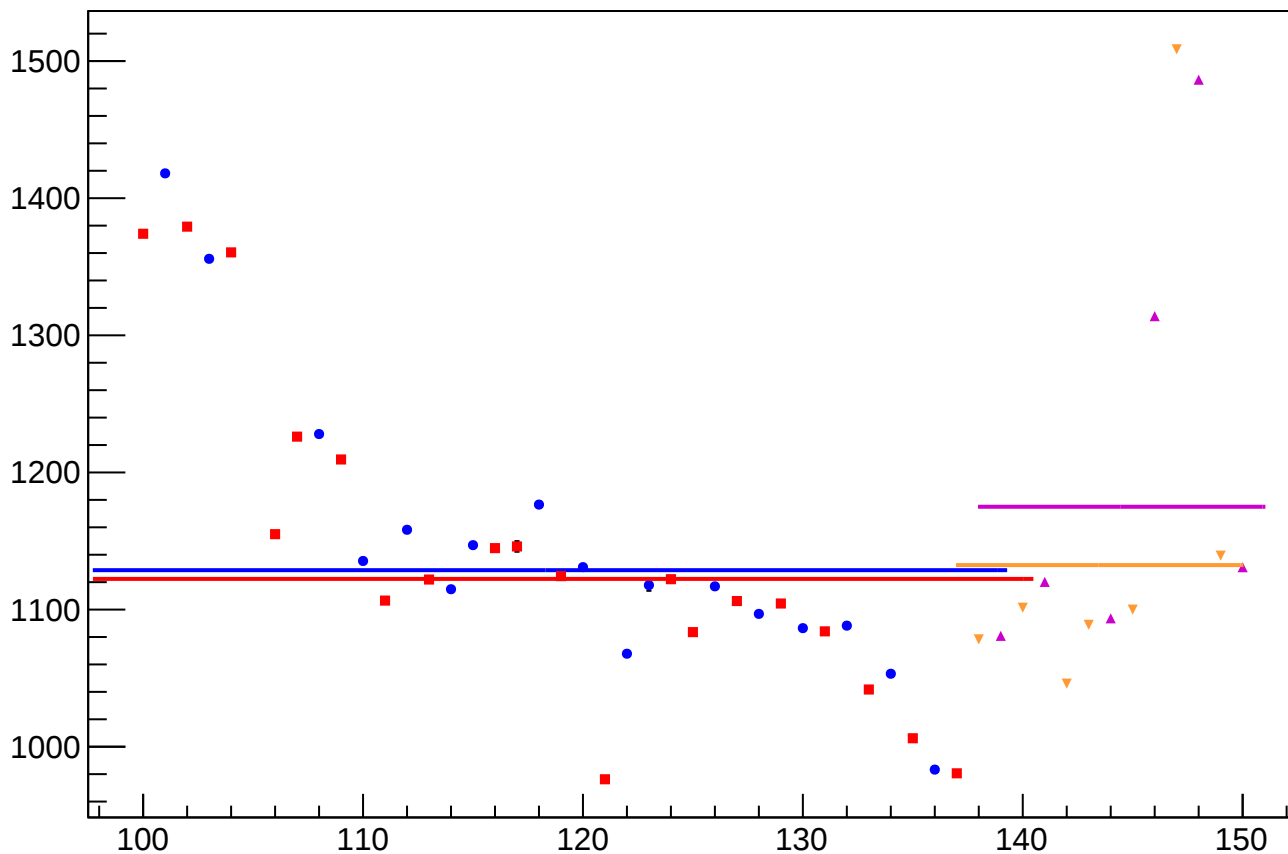
Left In: 0.081 $\pm$ 0.536 χ^2/NDF : 9.4/5

-2.487 $\pm$ 0.332 χ^2/NDF : 460.8/23

-2.837 $\pm$ 0.234 χ^2/NDF : 815.5/49

-3.186 $\pm$ 0.331 χ^2/NDF : 352.5/25

diff_bpm0l09Y_rms vs Slug, Sign Corrected



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

Left Out: 1132.444 $\pm$ 0.361 χ^2/NDF : 111750.4/6

Right Out: 1122.377 $\pm$ 0.297 χ^2/NDF : 129638.9/19

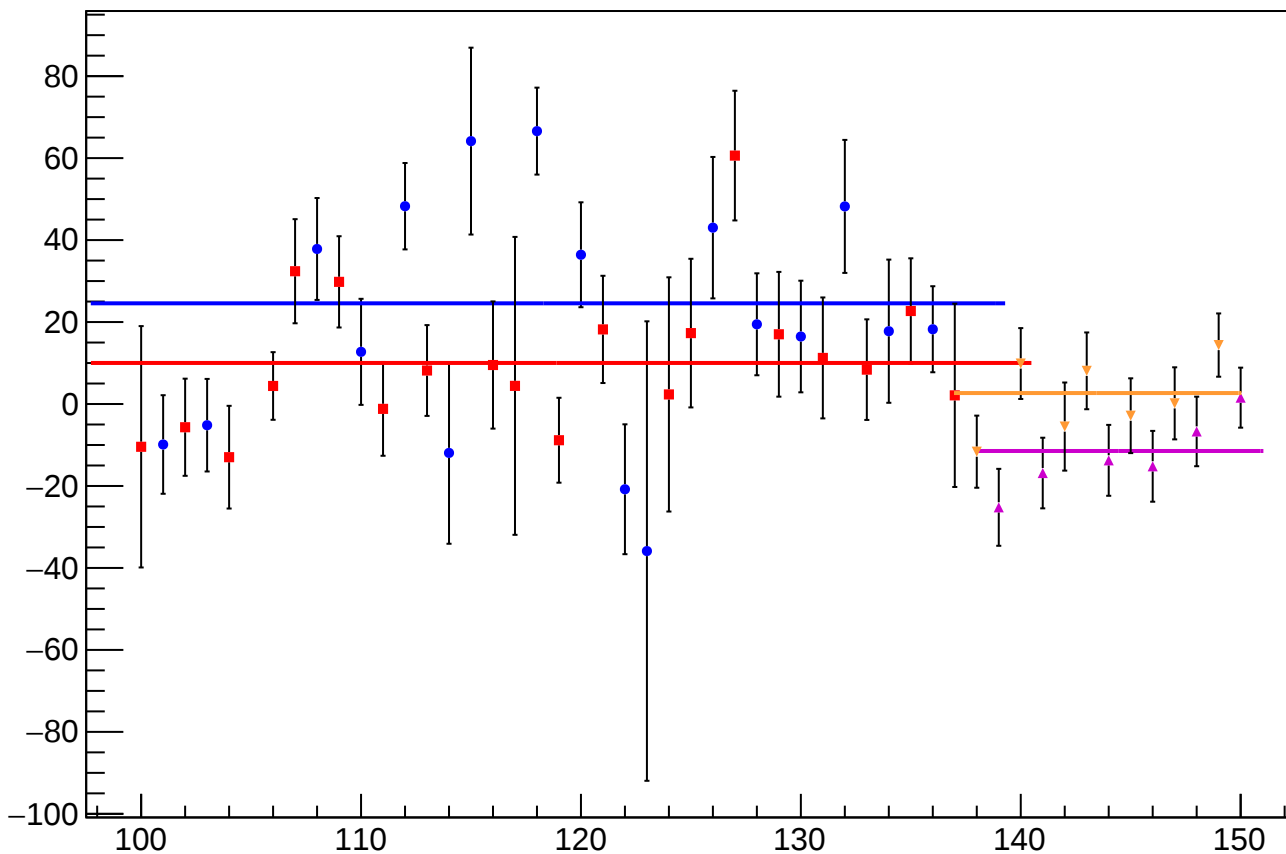
Left In: 1174.995 $\pm$ 0.379 χ^2/NDF : 115846.1/5

1130.307 $\pm$ 0.235 χ^2/NDF : 244908.0/23

1136.392 $\pm$ 0.166 χ^2/NDF : 503675.5/49

1142.435 $\pm$ 0.234 χ^2/NDF : 257427.2/25

diff_bpm0l10X_mean vs Slug, Sign Corrected



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

Left Out: 2.675 $\pm$ 3.370 χ^2/NDF : 7.0/6

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

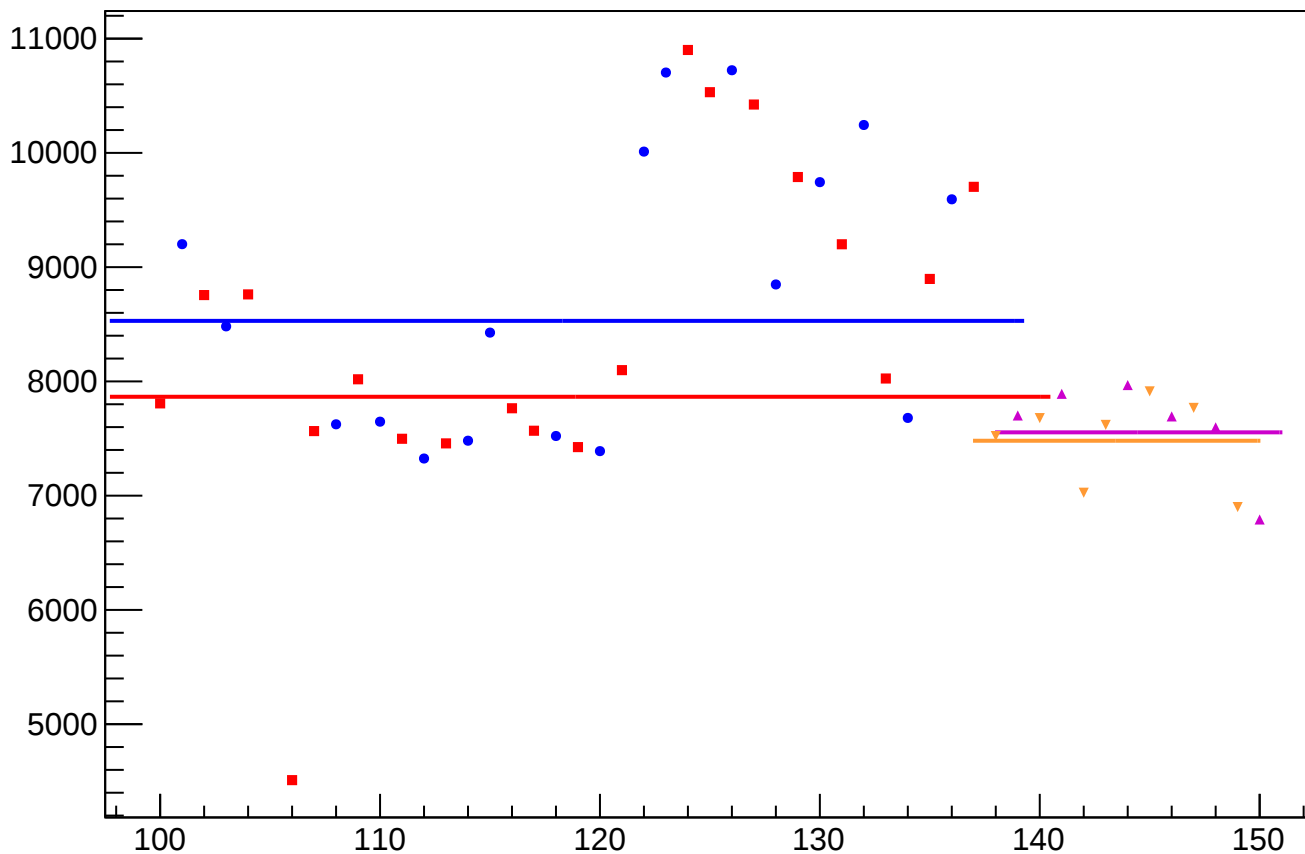
Left In: -11.462 $\pm$ 3.448 χ^2/NDF : 6.3/5

13.790 $\pm$ 2.364 χ^2/NDF : 86.5/23

6.994 $\pm$ 1.635 χ^2/NDF : 159.6/49

0.773 $\pm$ 2.262 χ^2/NDF : 57.2/25

diff_bpm0l10X_rms vs Slug, Sign Corrected



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

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

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

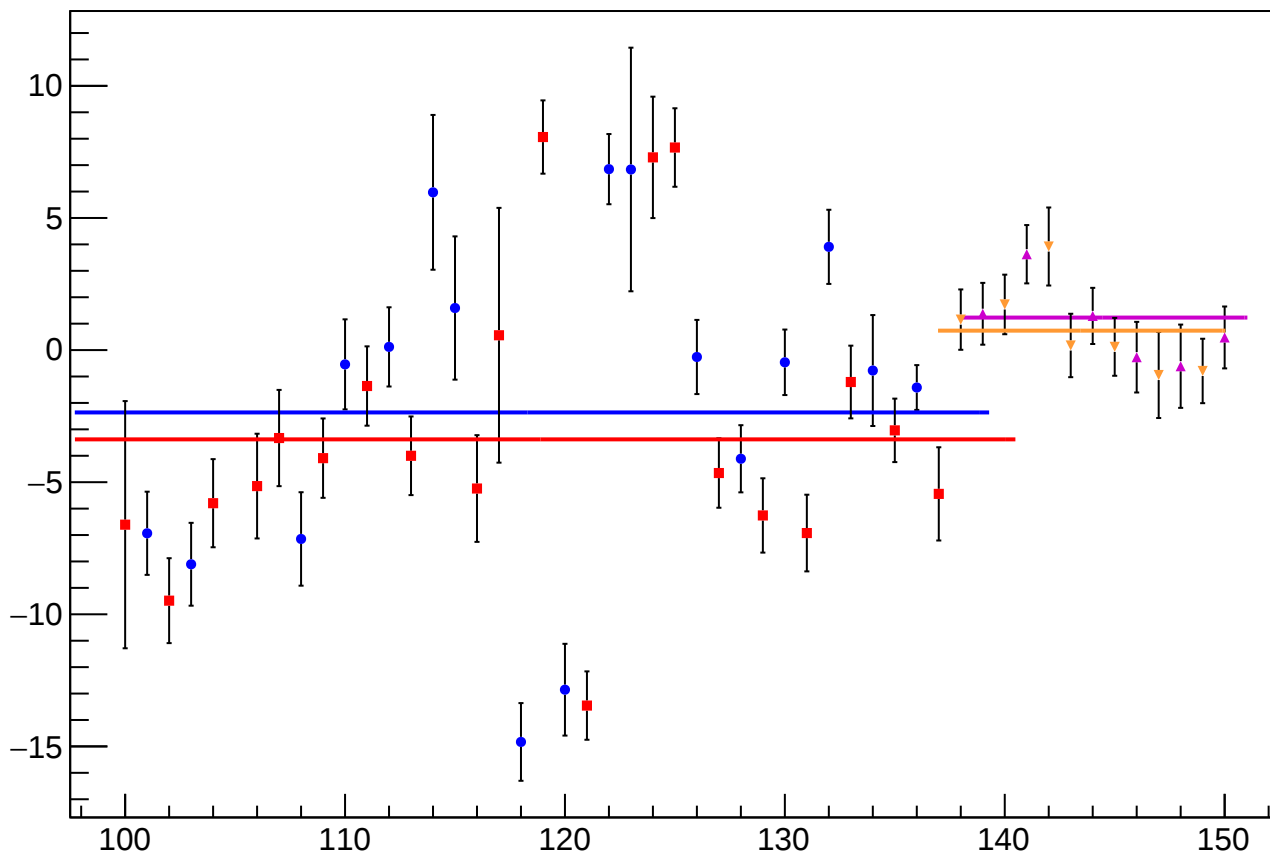
Left In: 7554.174 ± 2.438 χ^2/NDF : 30412.8/5

8013.293 ± 1.672 χ^2/NDF : 329807.2/23

7866.184 ± 1.156 χ^2/NDF : 940315.4/49

7731.525 ± 1.600 χ^2/NDF : 595679.0/25

diff_bpm0l10Y_mean vs Slug, Sign Corrected



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

Left Out: 0.736 ± 0.467 χ^2/NDF : 8.7/6

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

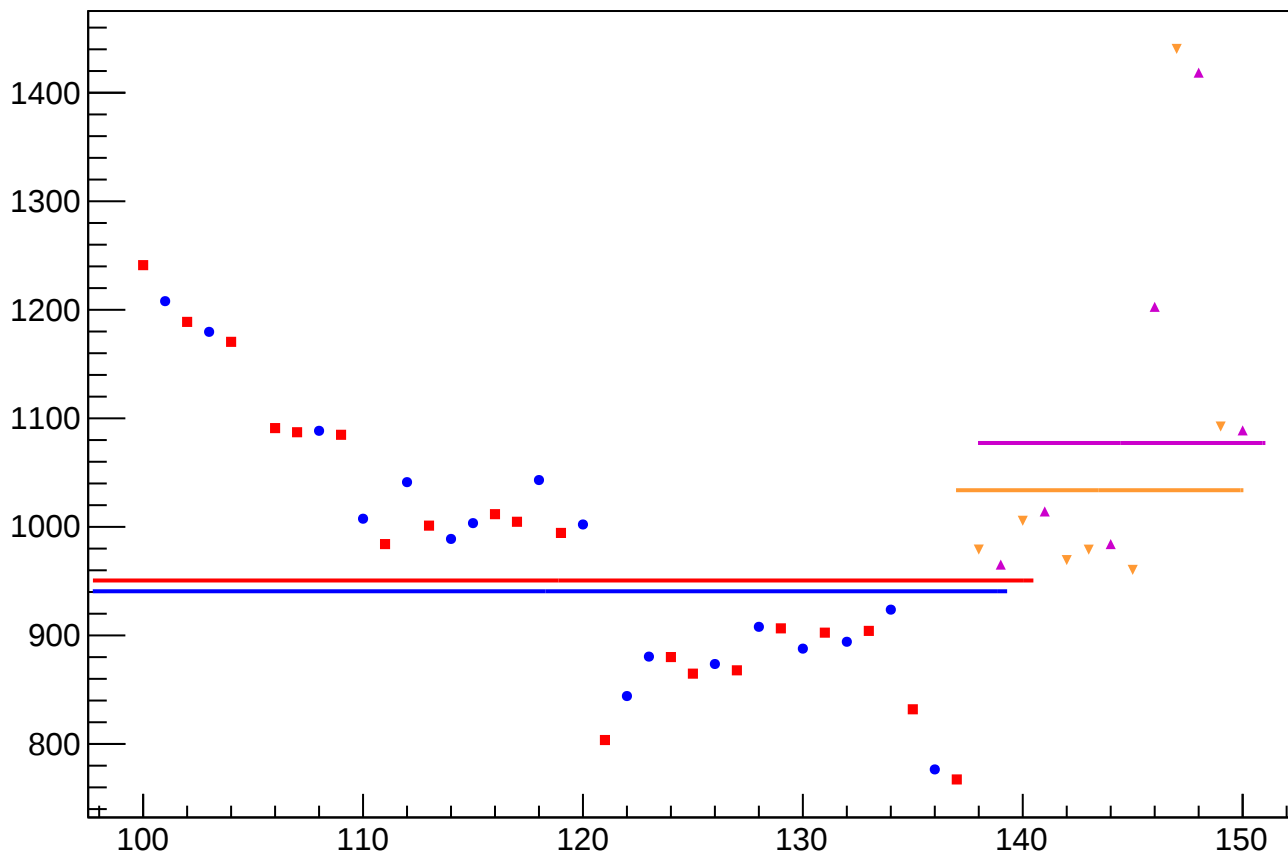
Left In: 1.230 ± 0.492 χ^2/NDF : 7.8/5

-1.183 ± 0.288 χ^2/NDF : 268.0/23

-1.485 ± 0.204 χ^2/NDF : 577.5/49

-1.789 ± 0.289 χ^2/NDF : 307.3/25

diff_bpm0l10Y_rms vs Slug, Sign Corrected



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

Left Out: 1033.781+/-0.330 χ^2/NDF :152164.0/6

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

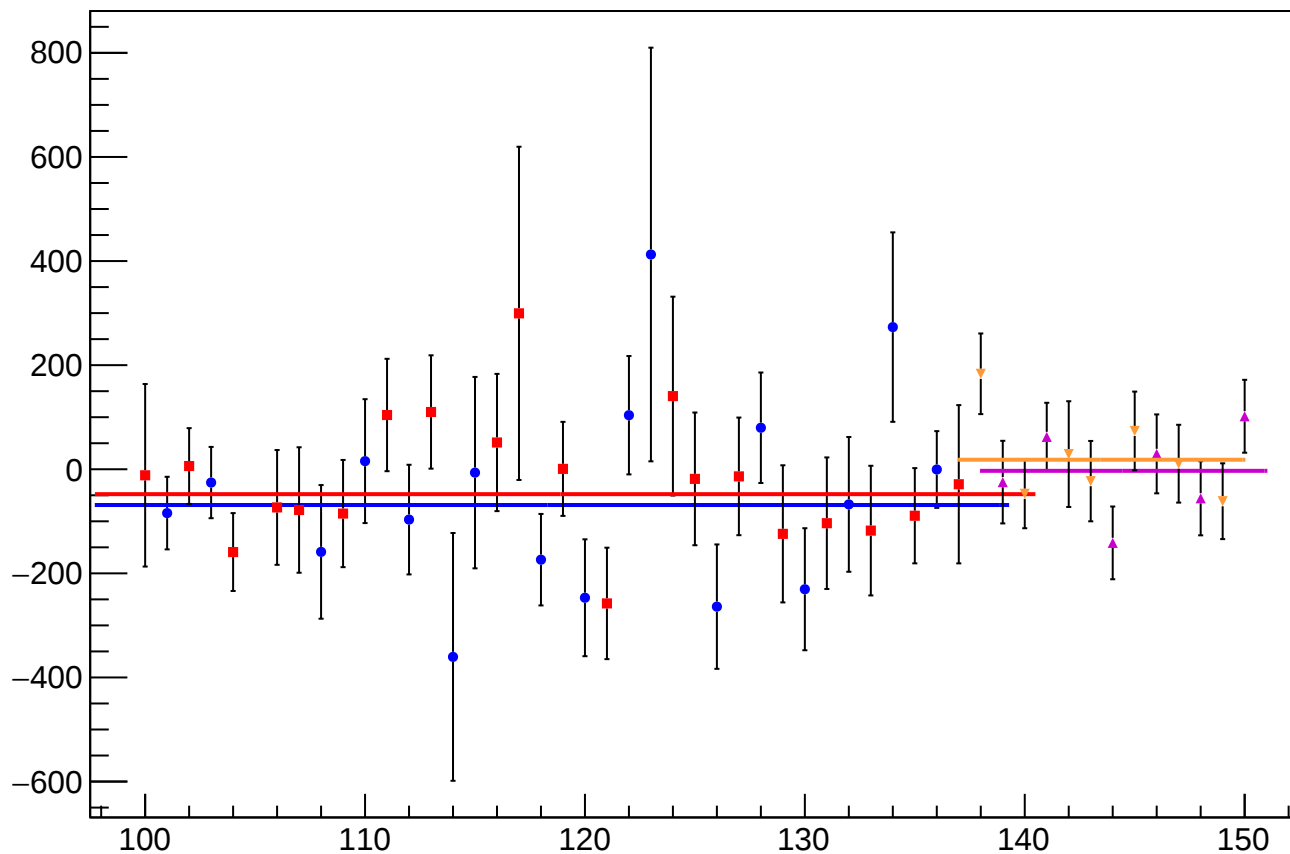
Left In: 1077.299+/-0.348 χ^2/NDF :151835.4/5

976.080+/-0.203 χ^2/NDF : 443254.1/23

985.162+/-0.144 χ^2/NDF : 906819.7/49

994.327+/-0.204 χ^2/NDF : 459563.5/25

diff_bpm0r03X_mean vs Slug, Sign Corrected



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

Left Out: 18.302 ± 28.845 χ^2/NDF : 7.6/6

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

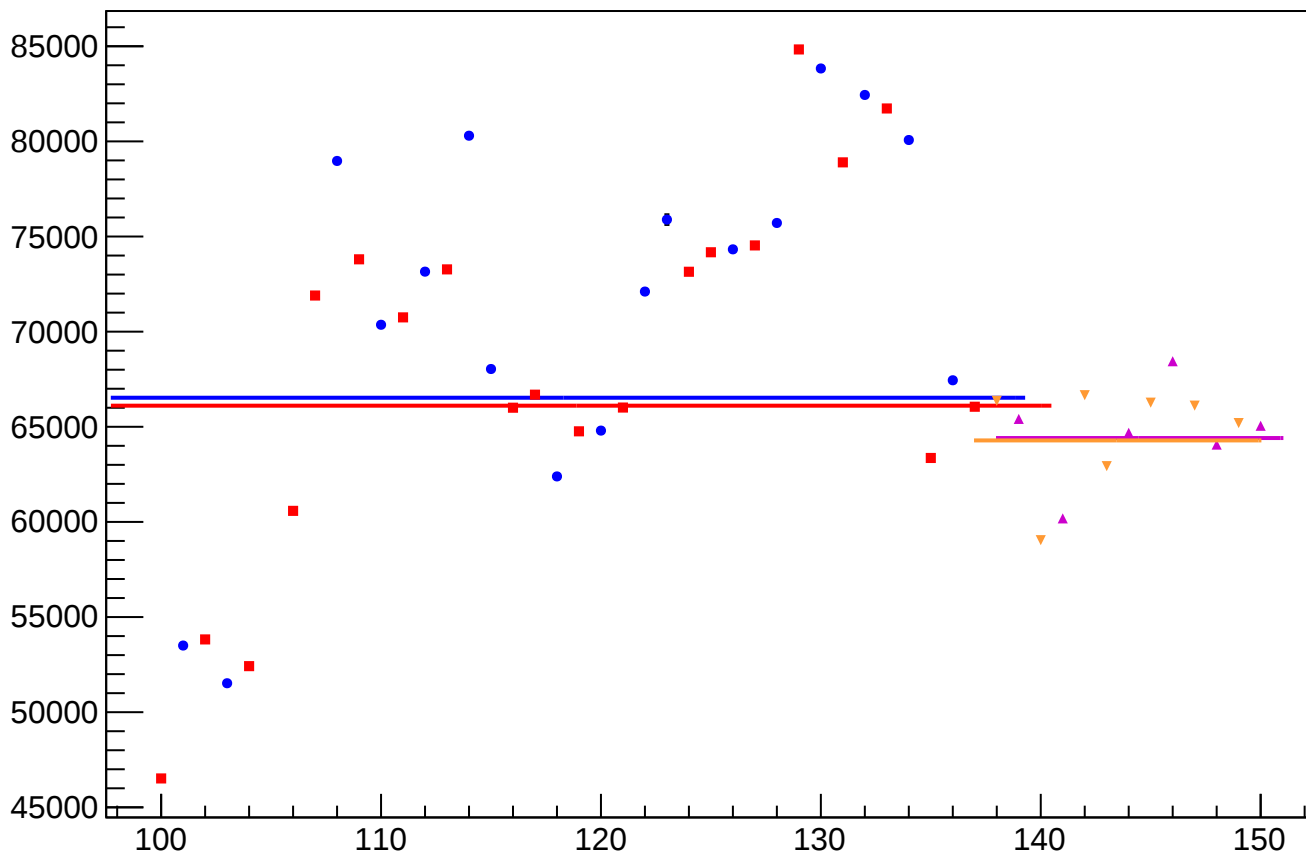
Left In: -3.011 ± 29.215 χ^2/NDF : 8.0/5

-29.783 ± 19.290 χ^2/NDF : 34.3/23

-29.353 ± 13.526 χ^2/NDF : 58.9/49

-28.937 ± 18.970 χ^2/NDF : 24.5/25

diff_bpm0r03X_rms vs Slug, Sign Corrected



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

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

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

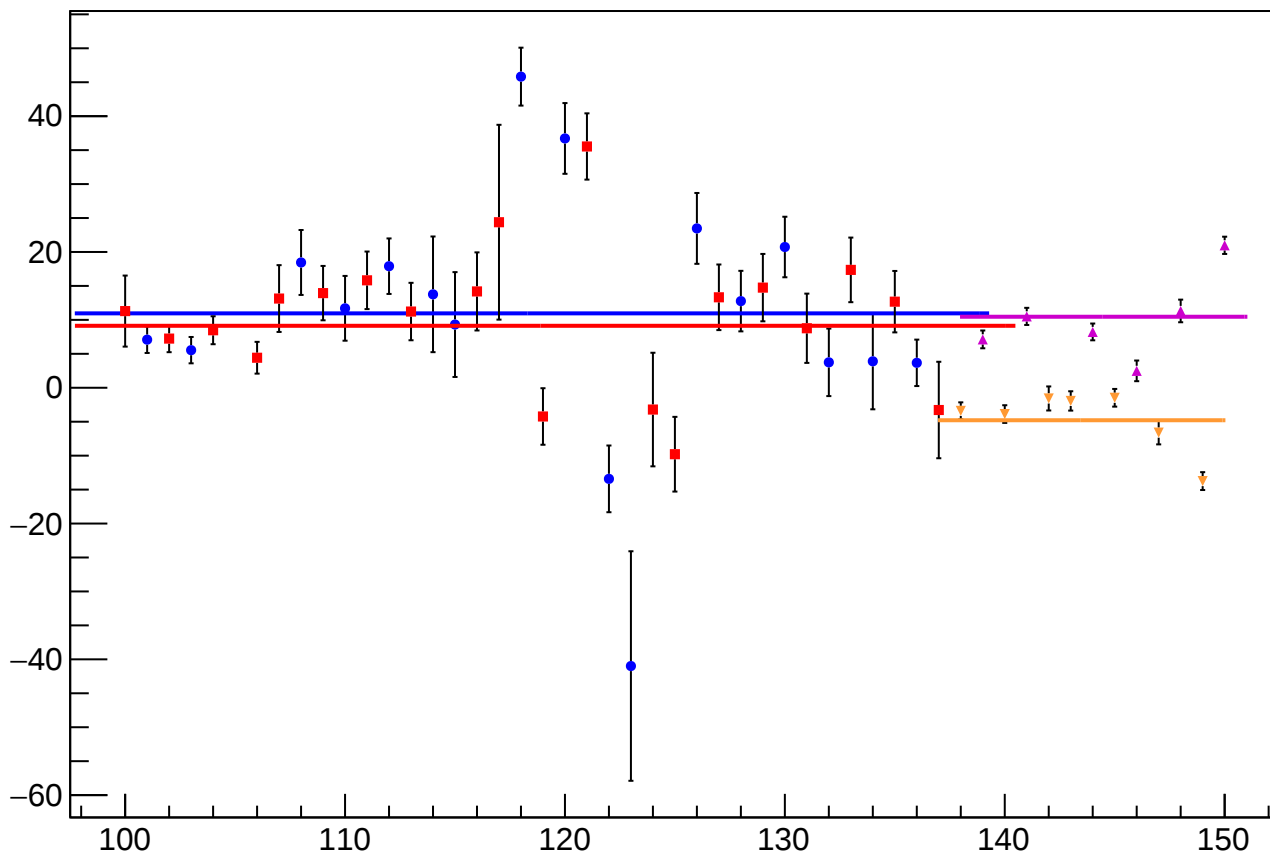
Left In: 64408.949 ± 20.658 χ^2/NDF : 14536.8/5

65523.786 ± 13.640 χ^2/NDF : 346157.7/23

65457.019 ± 9.564 χ^2/NDF : 663152.4/49

65392.452 ± 13.414 χ^2/NDF : 316947.5/25

diff_bpm0r03Y_mean vs Slug, Sign Corrected



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

Left Out: -4.785+/-0.532 χ^2 /NDF: 62.9/6

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

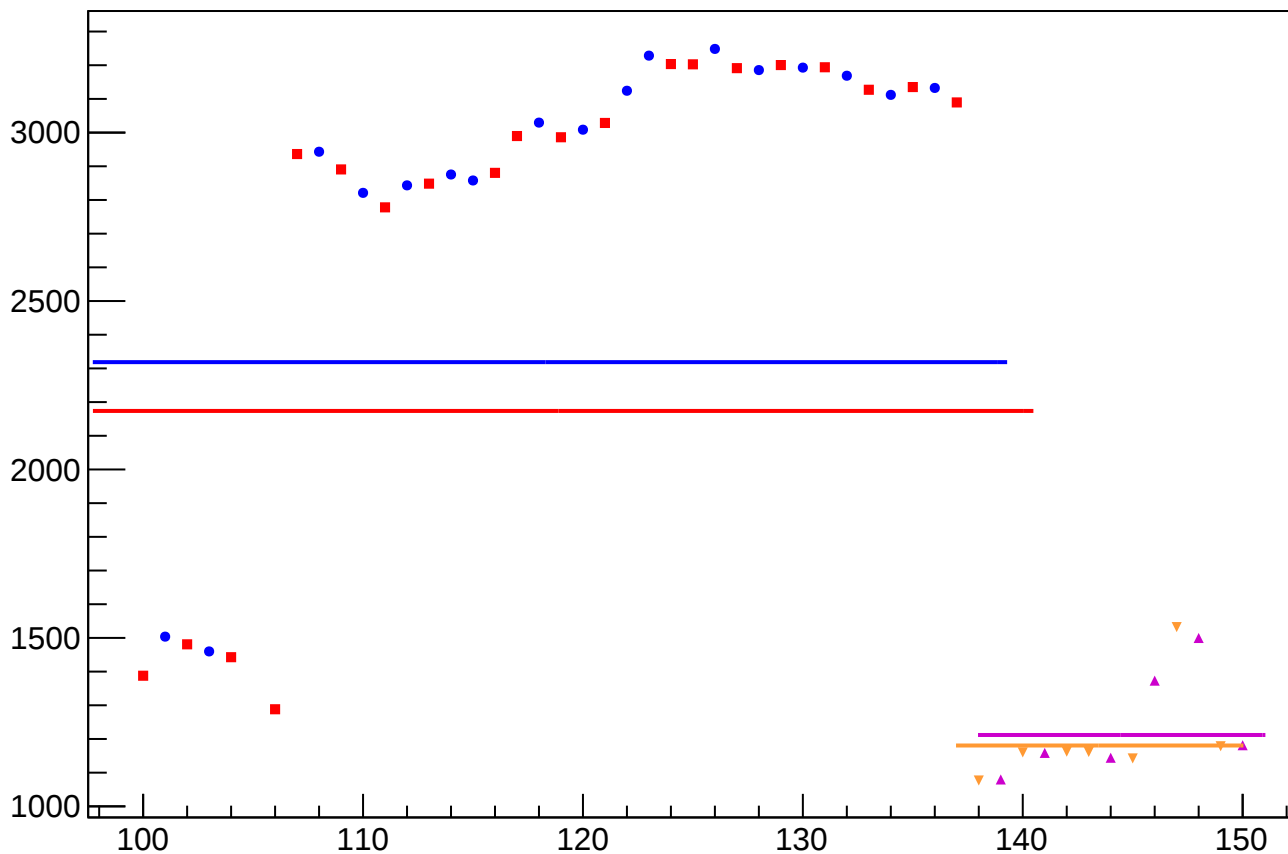
Left In: 10.460+/-0.552 χ^2 /NDF: 106.0/5

-0.989+/-0.463 χ^2 /NDF: 435.3/23

4.515+/-0.328 χ^2 /NDF: 901.0/49

10.074+/-0.465 χ^2 /NDF: 181.9/25

diff_bpm0r03Y_rms vs Slug, Sign Corrected



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

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

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

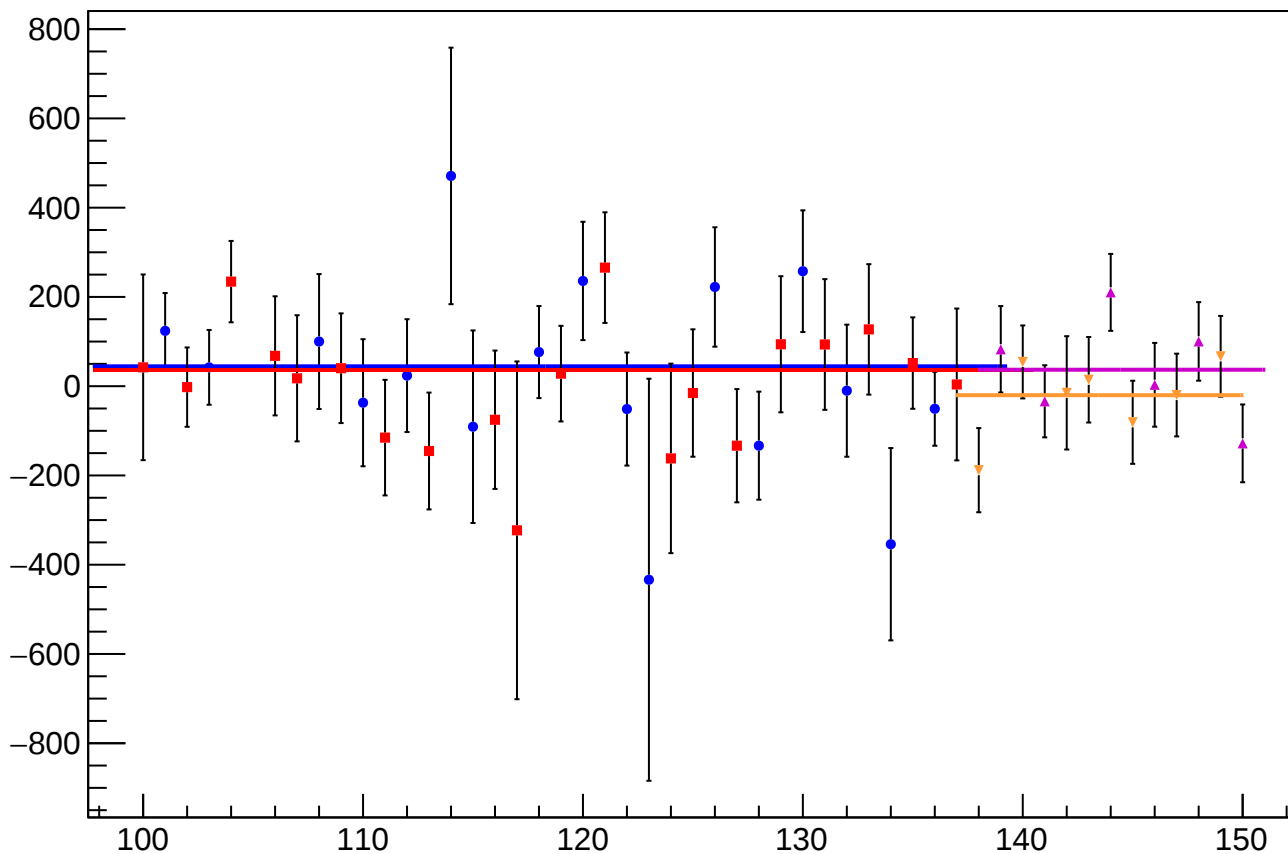
Left In: 1211.839 +/- 0.391 χ^2/NDF : 113220.7/5

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

1472.719 +/- 0.232 χ^2/NDF : 7353439.2/49

1490.542 +/- 0.329 χ^2/NDF : 3631050.1/25

diff_bpm0r05X_mean vs Slug, Sign Corrected



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

Left Out: -20.142 $\pm$ 35.648 χ^2/NDF : 5.5/6

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

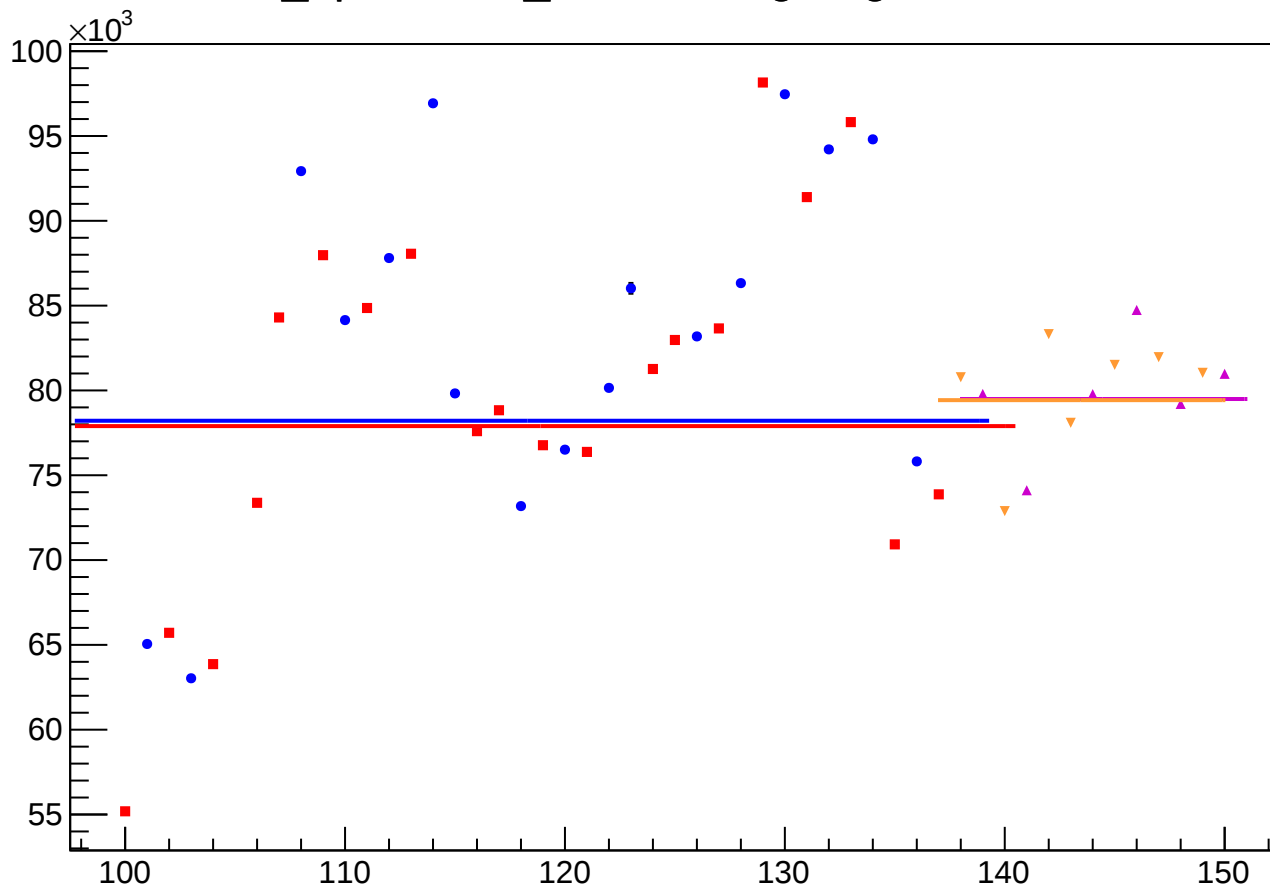
Left In: 36.879 $\pm$ 36.065 χ^2/NDF : 9.3/5

17.240 $\pm$ 23.145 χ^2/NDF : 26.5/23

27.031 $\pm$ 16.229 χ^2/NDF : 52.7/49

36.502 $\pm$ 22.763 χ^2/NDF : 25.9/25

diff_bpm0r05X_rms vs Slug, Sign Corrected



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

Left Out: 79427.635+/-25.207 χ^2/NDF : 18615.1/6

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

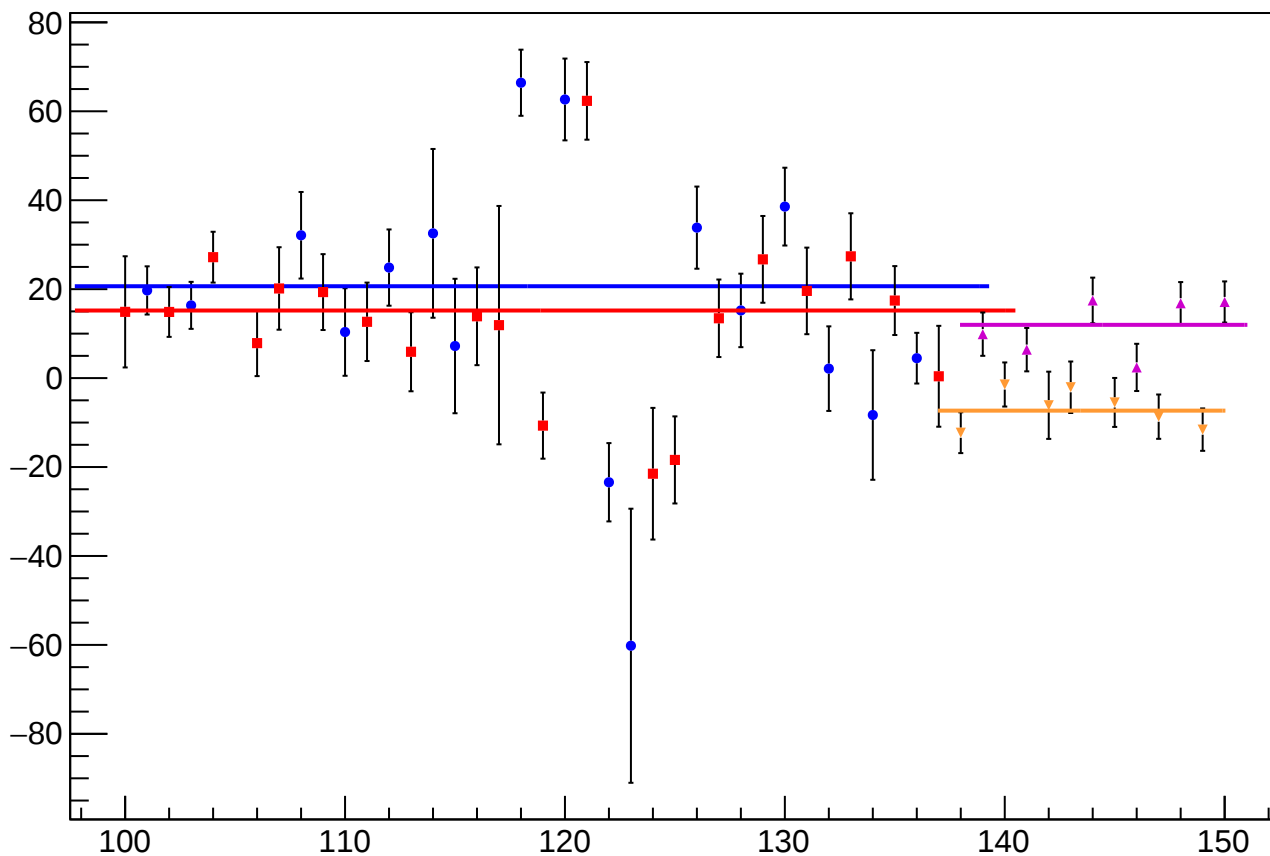
Left In: 79494.975+/-25.502 χ^2/NDF : 15772.7/5

78725.053+/-16.366 χ^2/NDF : 271014.8/23

78627.895+/-11.476 χ^2/NDF : 536199.9/4

78533.920+/-16.096 χ^2/NDF : 265115.7/25

diff_bpm0r05Y_mean vs Slug, Sign Corrected



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

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

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

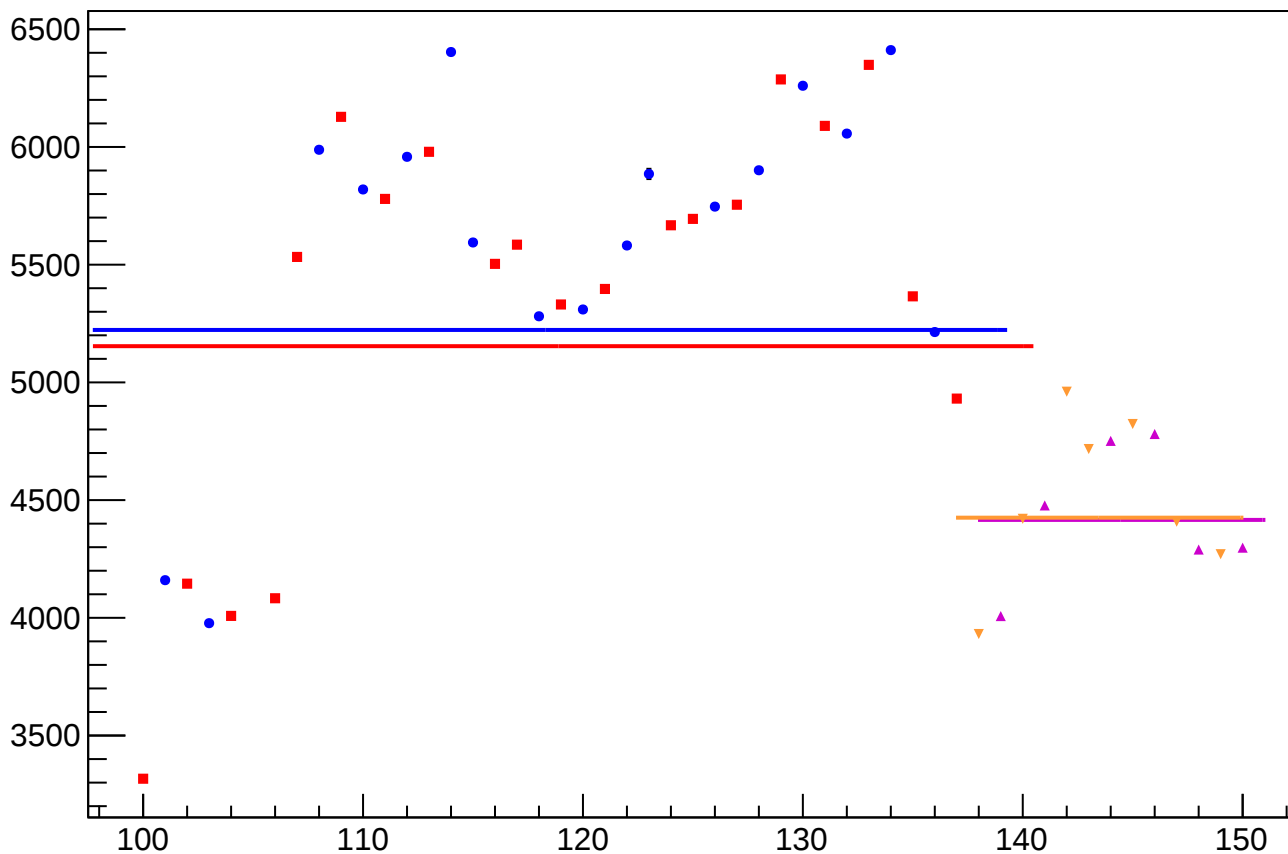
Left In: 11.975 $\pm$ 2.007 χ^2/NDF : 8.2/5

6.345 $\pm$ 1.423 χ^2/NDF : 218.7/23

10.053 $\pm$ 0.997 χ^2/NDF : 312.9/49

13.633 $\pm$ 1.398 χ^2/NDF : 80.8/25

diff_bpm0r05Y_rms vs Slug, Sign Corrected



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

Left Out: 4425.366 $\pm$ 1.407 χ^2 /NDF: 50877.0/6

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

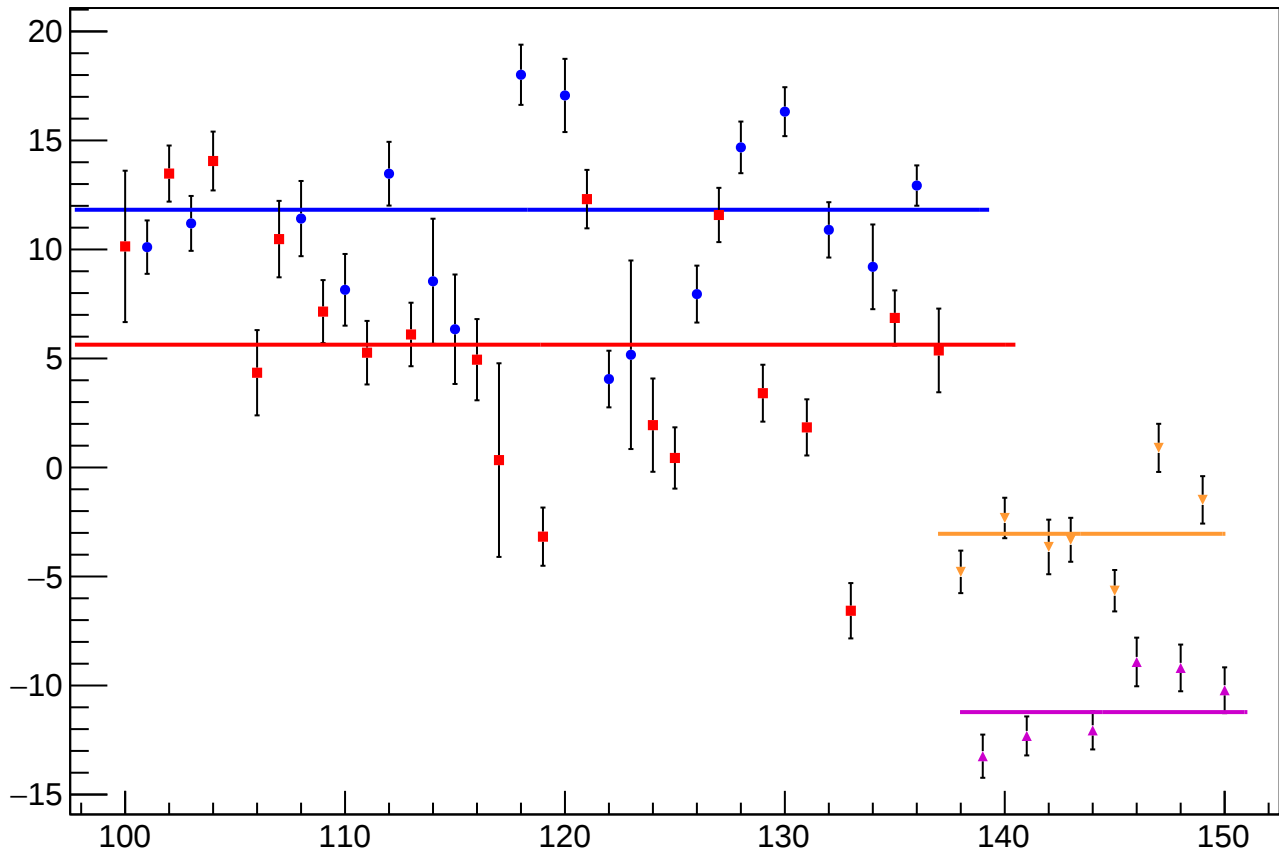
Left In: 4415.896 $\pm$ 1.419 χ^2 /NDF: 35075.1/5

4814.828 $\pm$ 1.006 χ^2 /NDF: 520338.5/23

4804.993 $\pm$ 0.705 χ^2 /NDF: 1082952.1/49

4795.496 $\pm$ 0.989 χ^2 /NDF: 562425.7/25

diff_bpm2i01X_mean vs Slug, Sign Corrected



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

Left Out: -3.041 $\pm$ 0.389 χ^2/NDF : 26.5/6

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

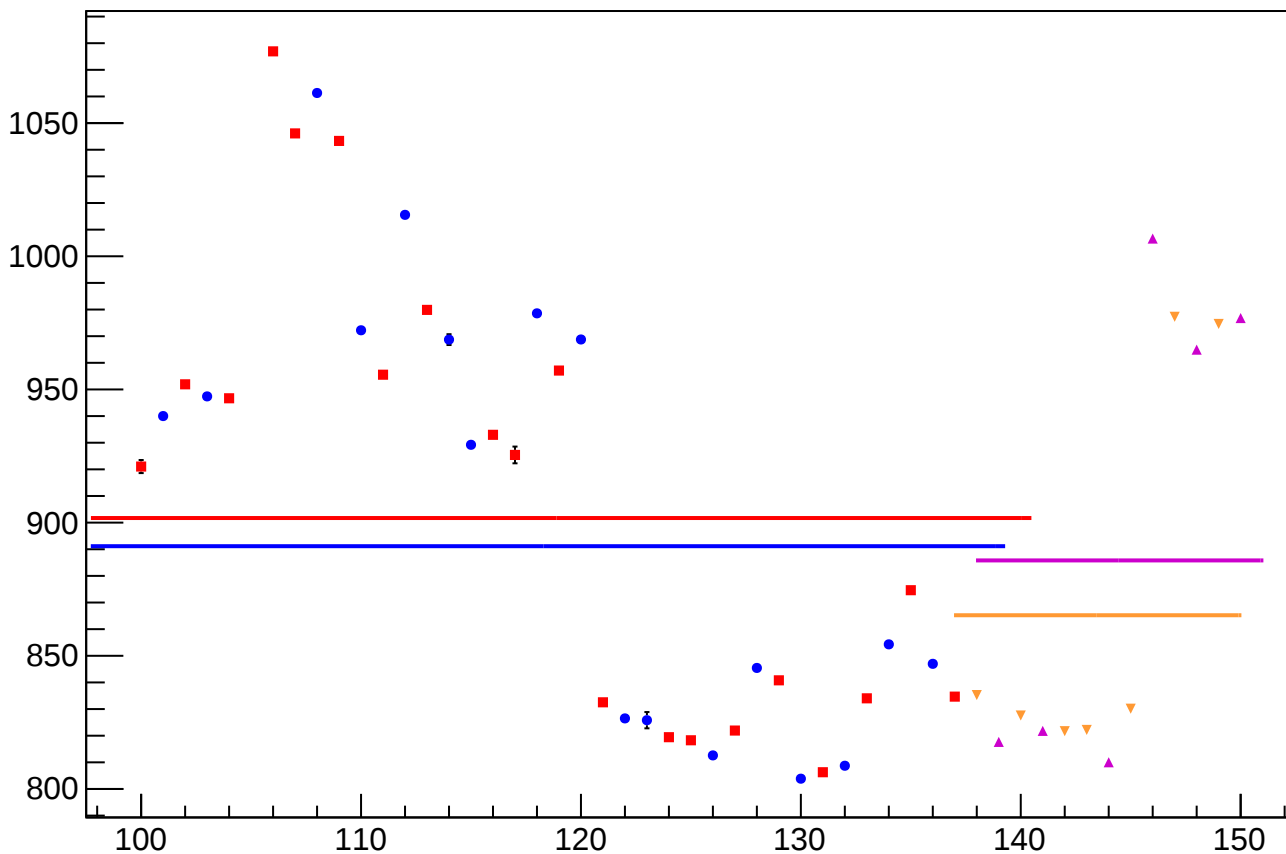
Left In: -11.220 $\pm$ 0.403 χ^2/NDF : 15.3/5

5.286 $\pm$ 0.258 χ^2/NDF : 961.9/23

1.996 $\pm$ 0.183 χ^2/NDF : 2633.4/49

-1.316 $\pm$ 0.259 χ^2/NDF : 1344.9/25

diff_bpm2i01X_rms vs Slug, Sign Corrected



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

Left Out: 865.224 $\pm$ 0.275 χ^2/NDF : 54813.2/6

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

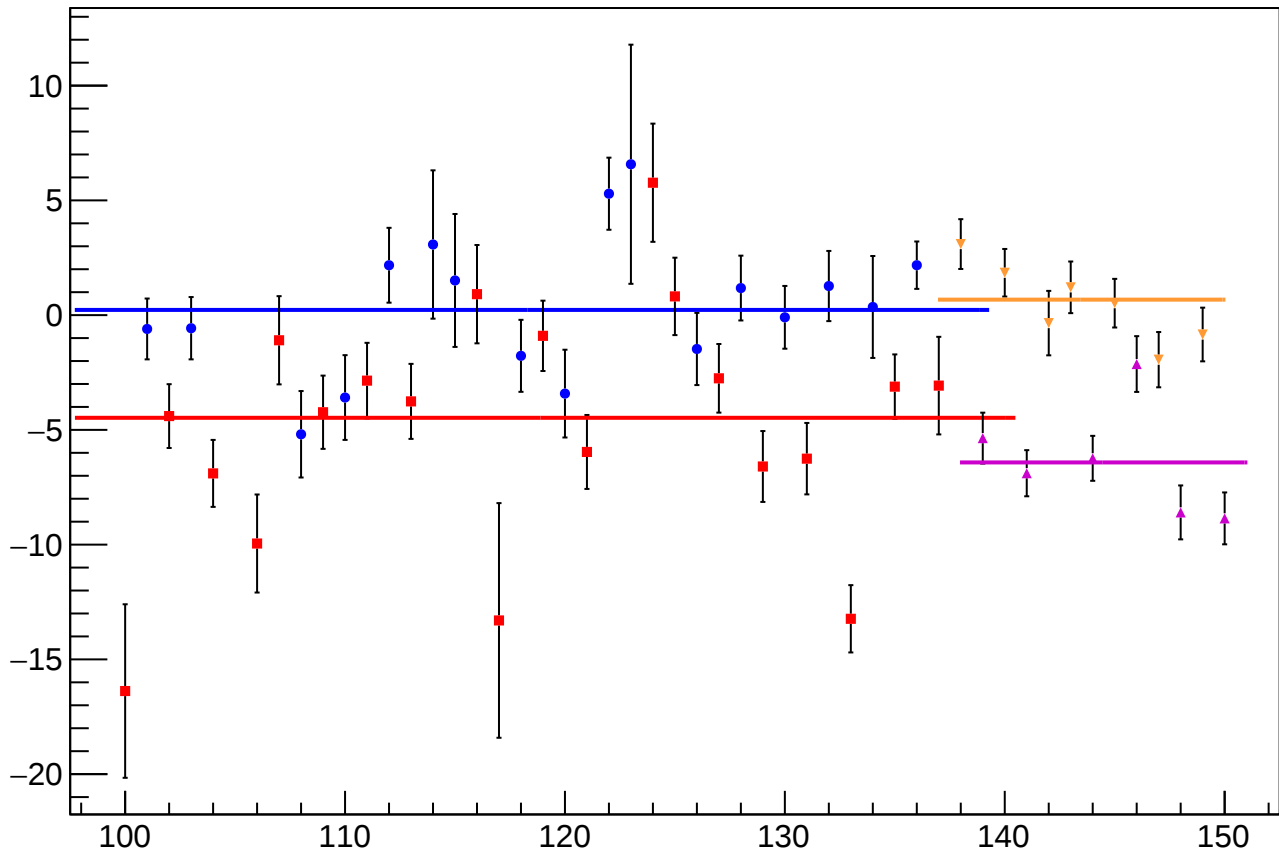
Left In: 885.809 $\pm$ 0.285 χ^2/NDF : 84133.4/5

879.749 $\pm$ 0.182 χ^2/NDF : 161452.8/23

887.431 $\pm$ 0.129 χ^2/NDF : 365629.3/49

895.163 $\pm$ 0.183 χ^2/NDF : 200615.4/25

diff_bpm2i01Y_mean vs Slug, Sign Corrected



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

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

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

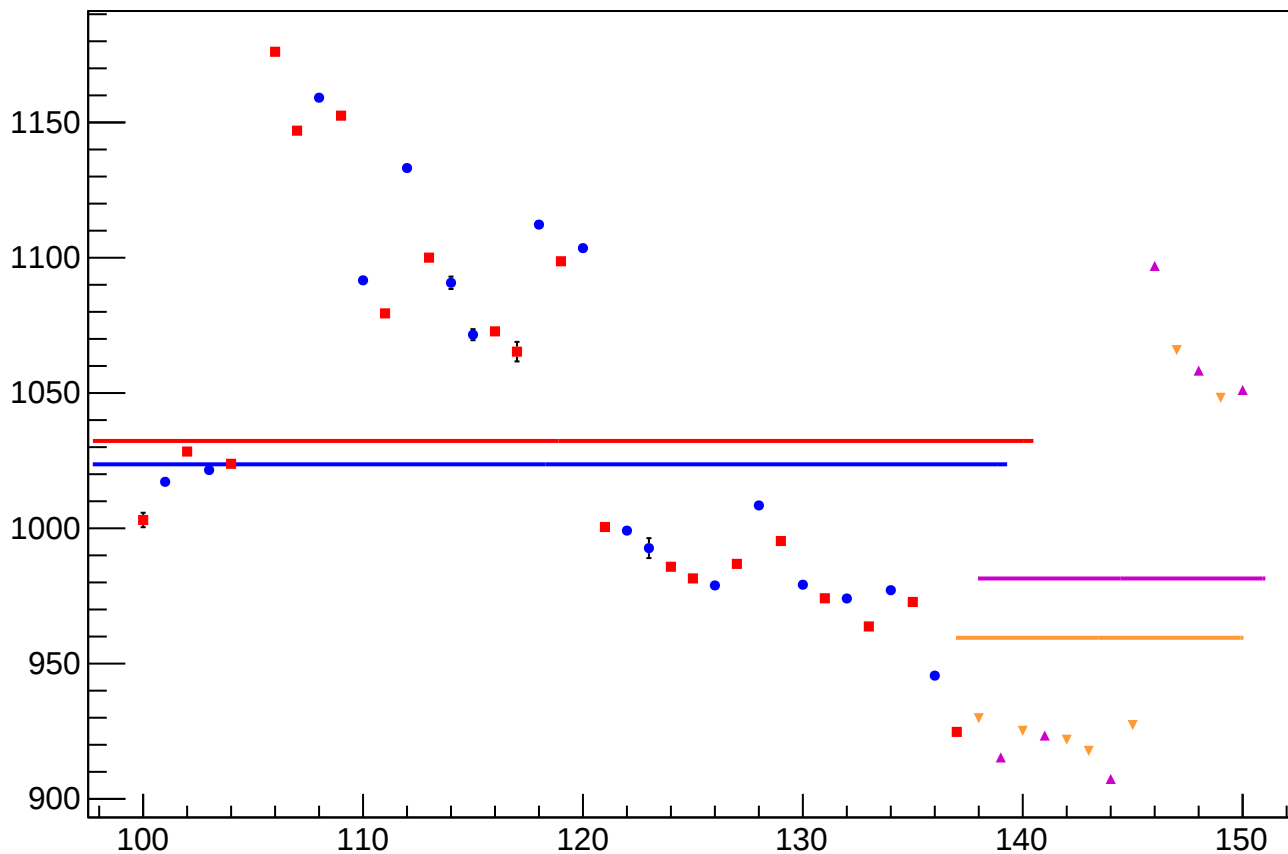
Left In: -6.418 ± 0.446 χ^2/NDF : 21.7/5

0.432 ± 0.291 χ^2/NDF : 52.6/23

-2.432 ± 0.206 χ^2/NDF : 385.3/49

-5.306 ± 0.292 χ^2/NDF : 138.9/25

diff_bpm2i01Y_rms vs Slug, Sign Corrected



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

Left Out: 959.547 $\pm$ 0.305 χ^2/NDF : 36844.9/6

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

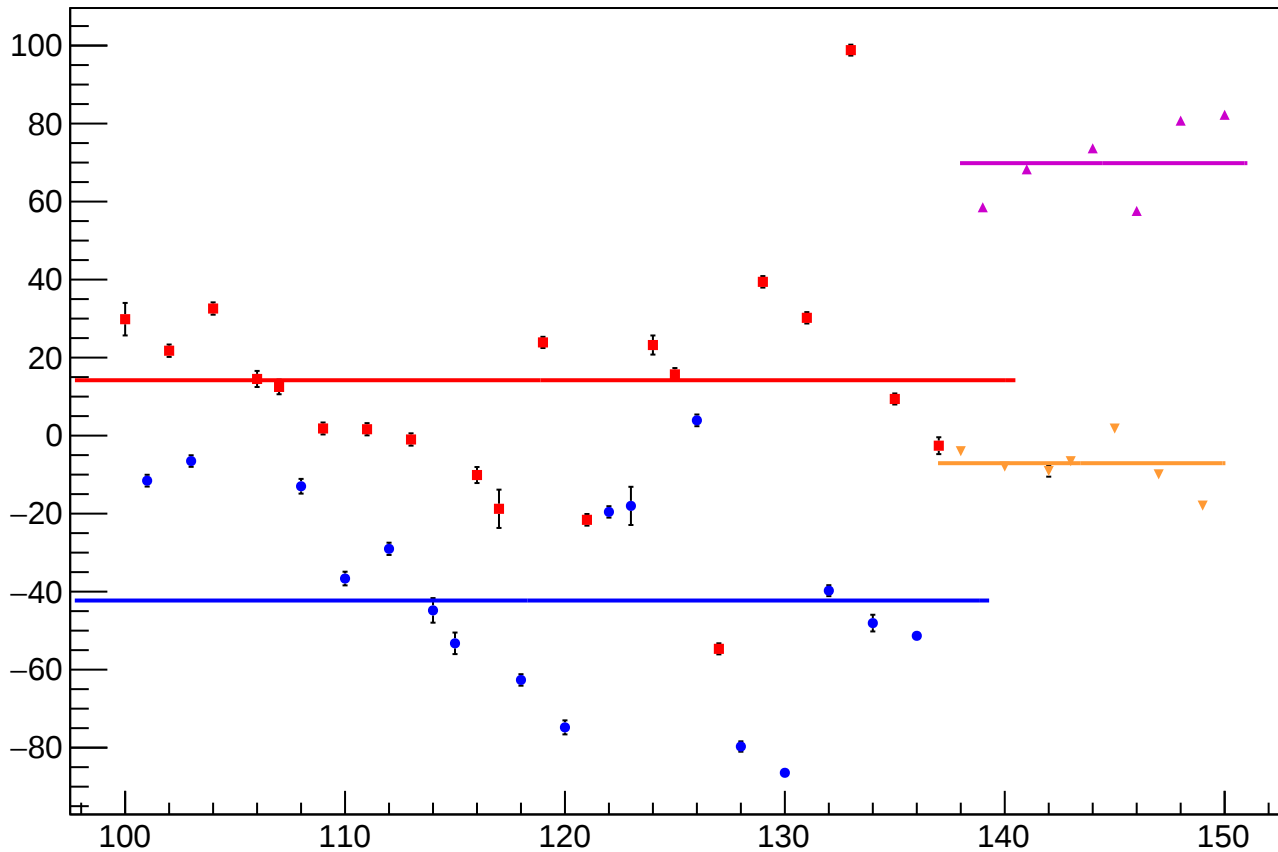
Left In: 981.458 $\pm$ 0.315 χ^2/NDF : 59451.0/5

994.377 $\pm$ 0.206 χ^2/NDF : 113279.1/23

1002.445 $\pm$ 0.146 χ^2/NDF : 250156.8/49

1010.542 $\pm$ 0.206 χ^2/NDF : 133800.7/25

diff_bpm2i02X_mean vs Slug, Sign Corrected



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

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

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

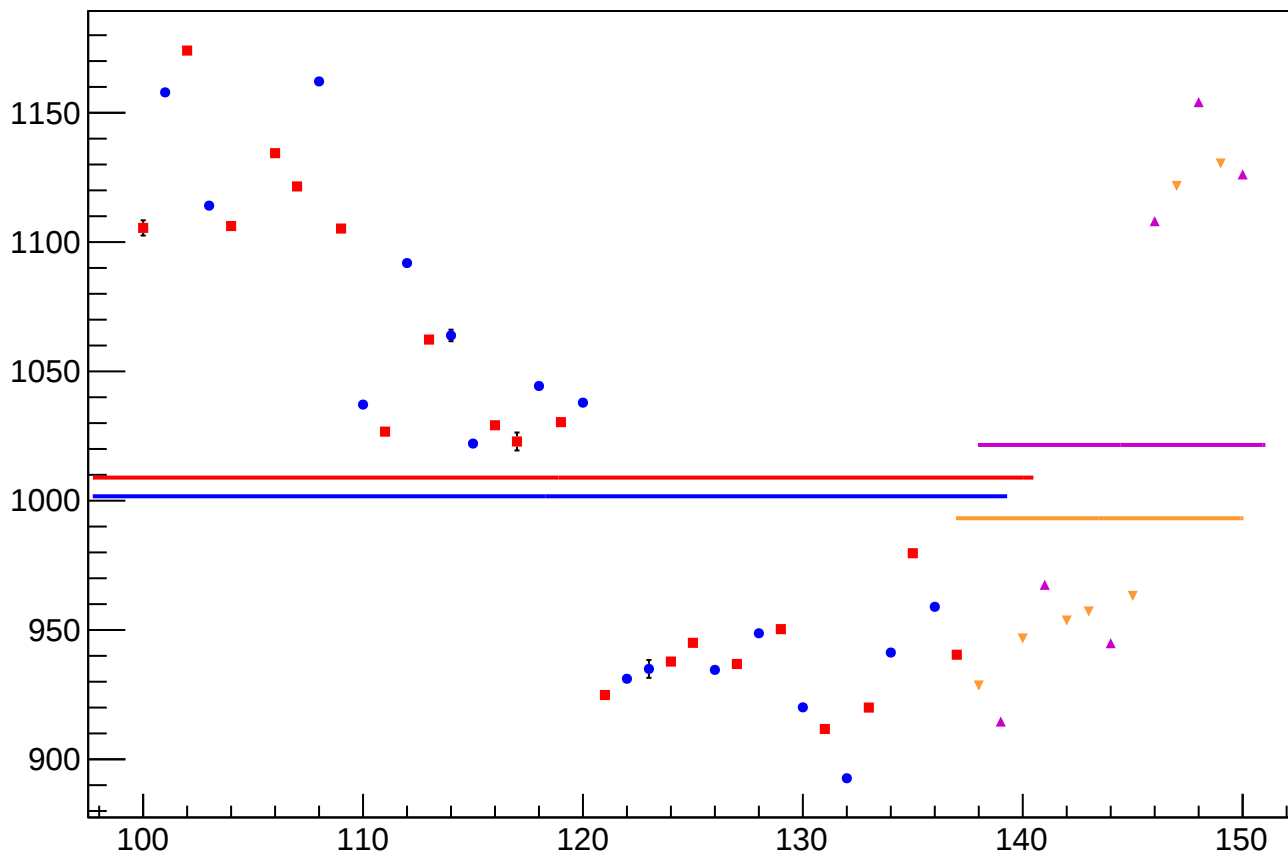
Left In: 69.850+/-0.465 χ^2/NDF : 397.2/5

-27.163+/-0.292 χ^2/NDF : 8833.1/23

4.528+/-0.207 χ^2/NDF : 49115.3/49

36.319+/-0.293 χ^2/NDF : 16758.5/25

diff_bpm2i02X_rms vs Slug, Sign Corrected



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

Left Out: 993.204 $\pm$ 0.316 χ^2/NDF : 60048.6/6

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

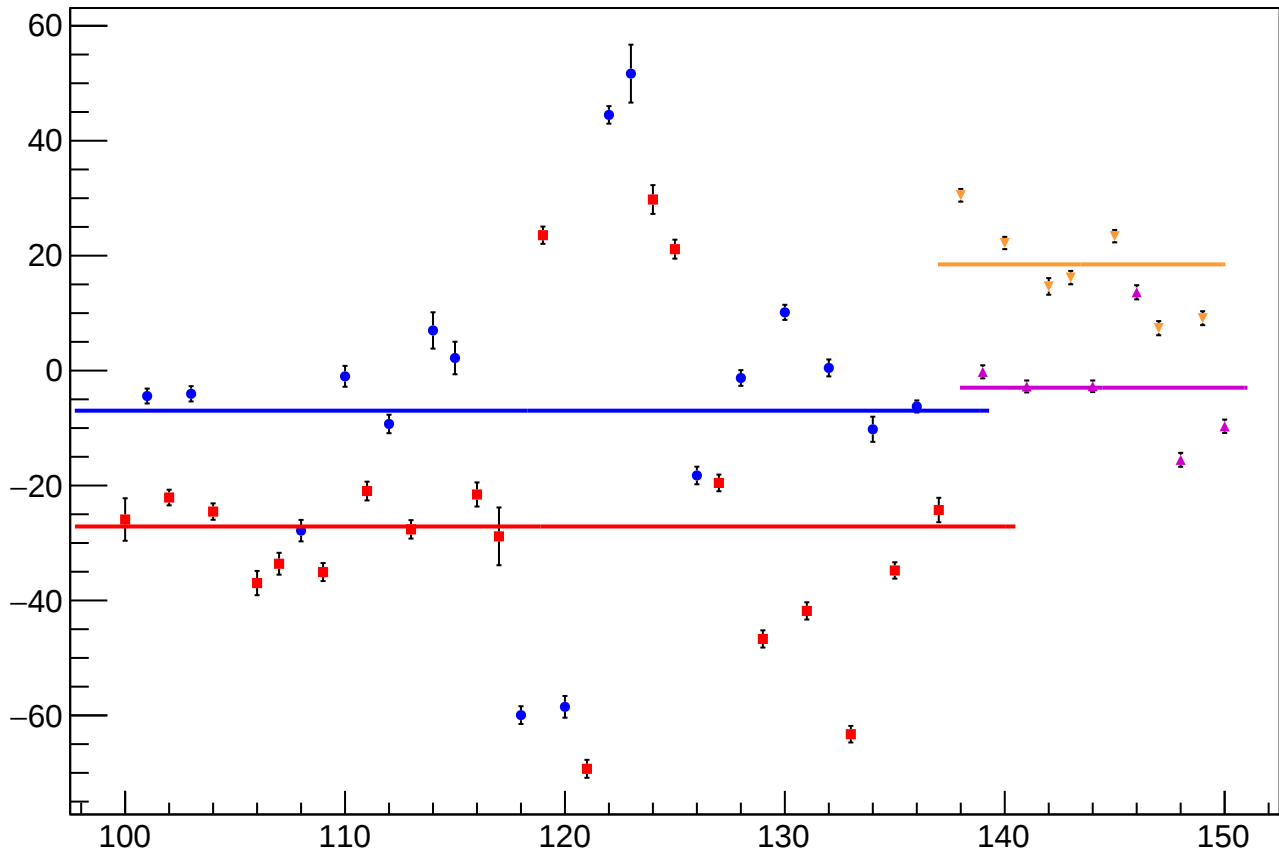
Left In: 1021.550 $\pm$ 0.329 χ^2/NDF : 81488.1/5

998.056 $\pm$ 0.207 χ^2/NDF : 155942.7/23

1005.989 $\pm$ 0.146 χ^2/NDF : 336634.2/49

1013.947 $\pm$ 0.207 χ^2/NDF : 177743.4/25

diff_bpm2i02Y_mean vs Slug, Sign Corrected



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

Left Out: 18.481+/-0.444 χ^2/NDF : 301.0/6

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

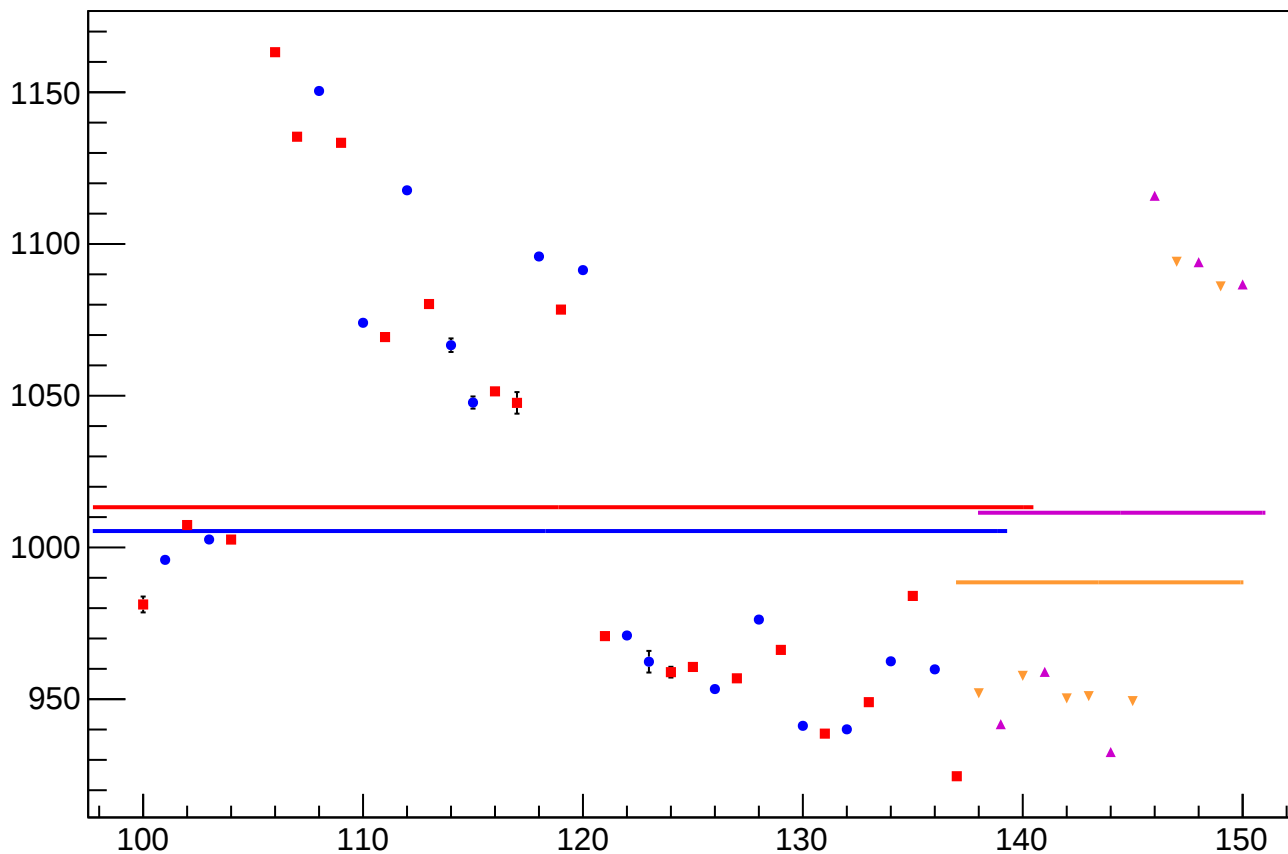
Left In: -2.975+/-0.459 χ^2/NDF : 326.3/5

4.052+/-0.292 χ^2/NDF : 5802.7/23

-6.652+/-0.207 χ^2/NDF : 14745.5/49

-17.360+/-0.292 χ^2/NDF : 6256.1/25

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 1005.409 $\pm$ 0.274 χ^2/NDF : 54586.0/16

Left Out: 988.504 $\pm$ 0.314 χ^2/NDF : 37447.0/6

Right Out: 1013.260 $\pm$ 0.268 χ^2/NDF : 63359.8/19

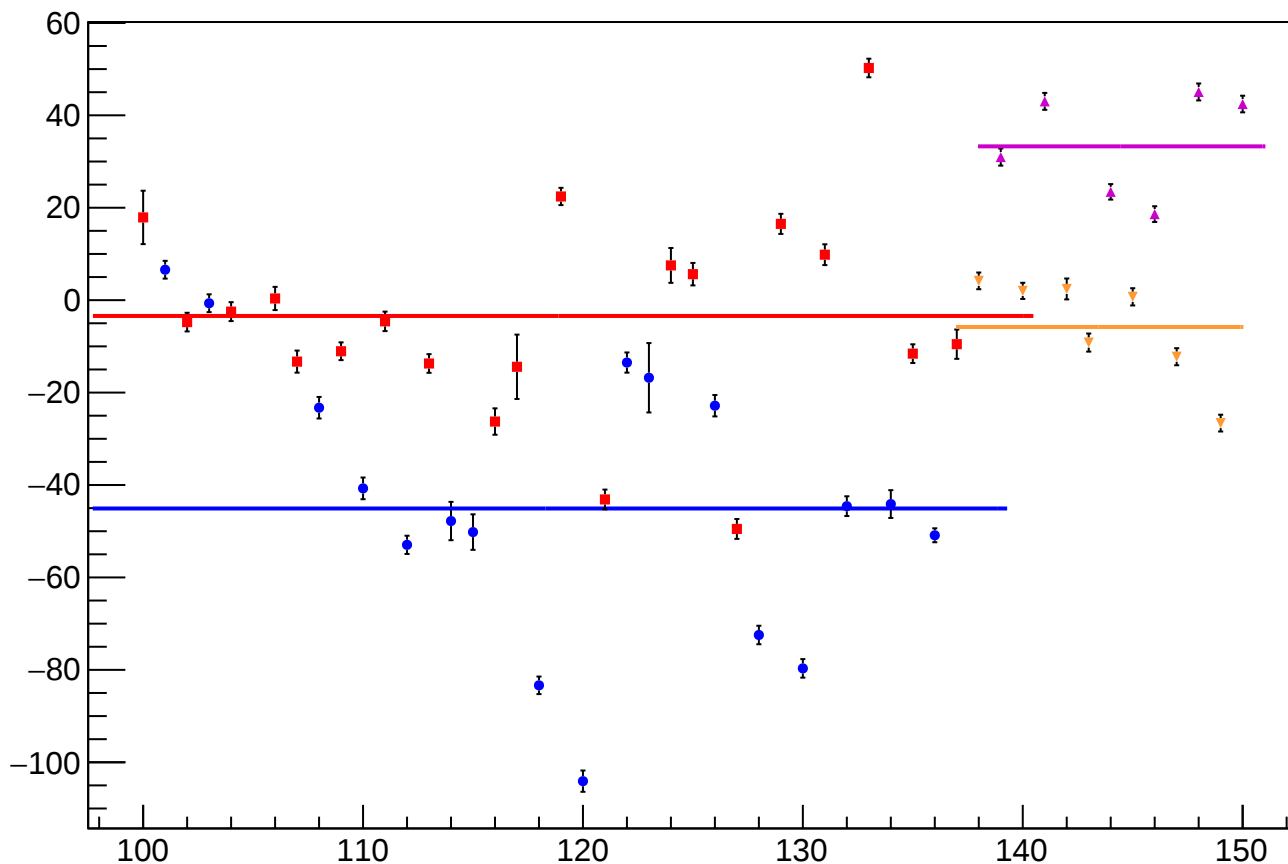
Left In: 1011.440 $\pm$ 0.325 χ^2/NDF : 56604.1/5

998.086 $\pm$ 0.207 χ^2/NDF : 93677.9/23

1005.304 $\pm$ 0.146 χ^2/NDF : 216103.6/49

1012.524 $\pm$ 0.207 χ^2/NDF : 119982.7/25

diff_bpm0i02X_mean vs Slug, Sign Corrected



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

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

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

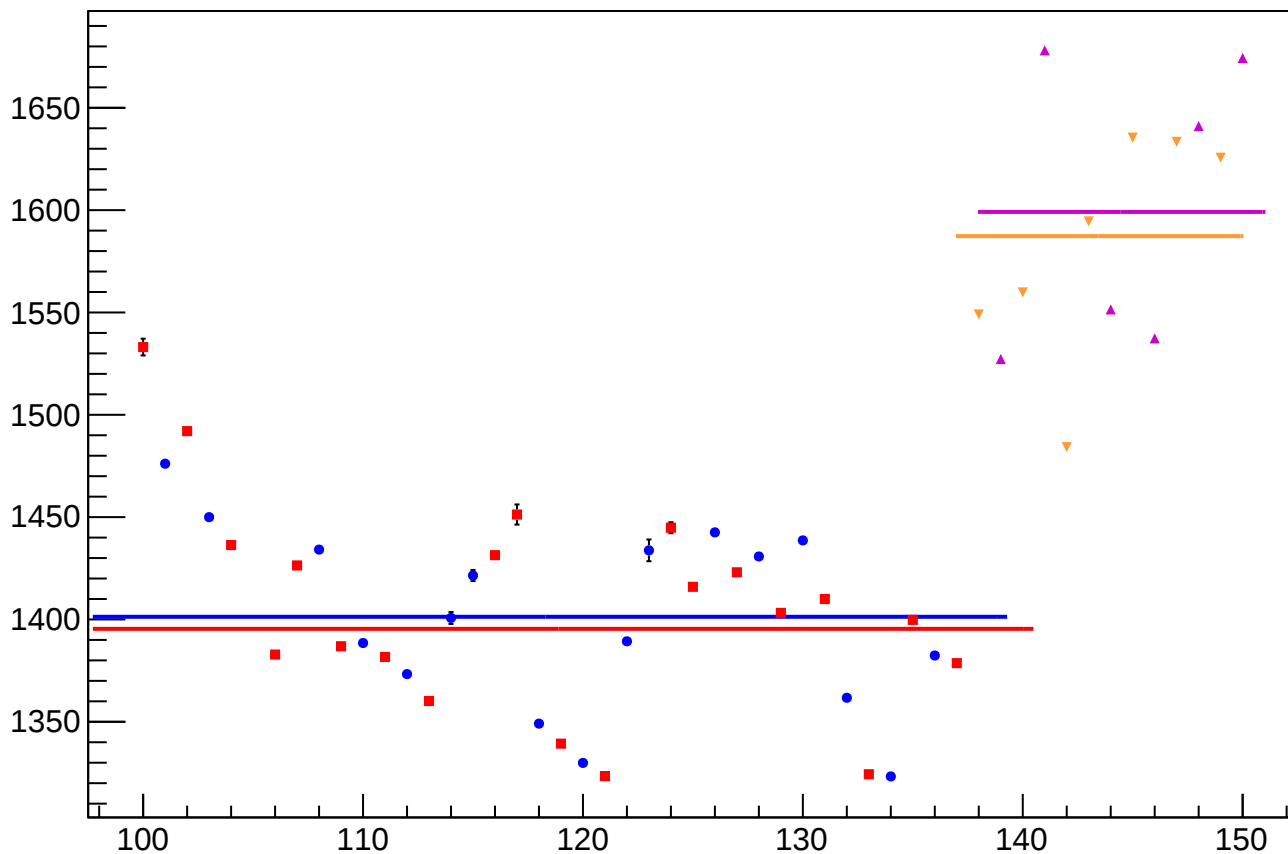
Left In: 33.280+/-0.726 χ^2/NDF : 205.4/5

-30.739+/-0.430 χ^2/NDF : 5394.6/23

-10.529+/-0.302 χ^2/NDF : 13641.4/49

9.028+/-0.423 χ^2/NDF : 3900.6/25

diff_bpm0i02X_rms vs Slug, Sign Corrected



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

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

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

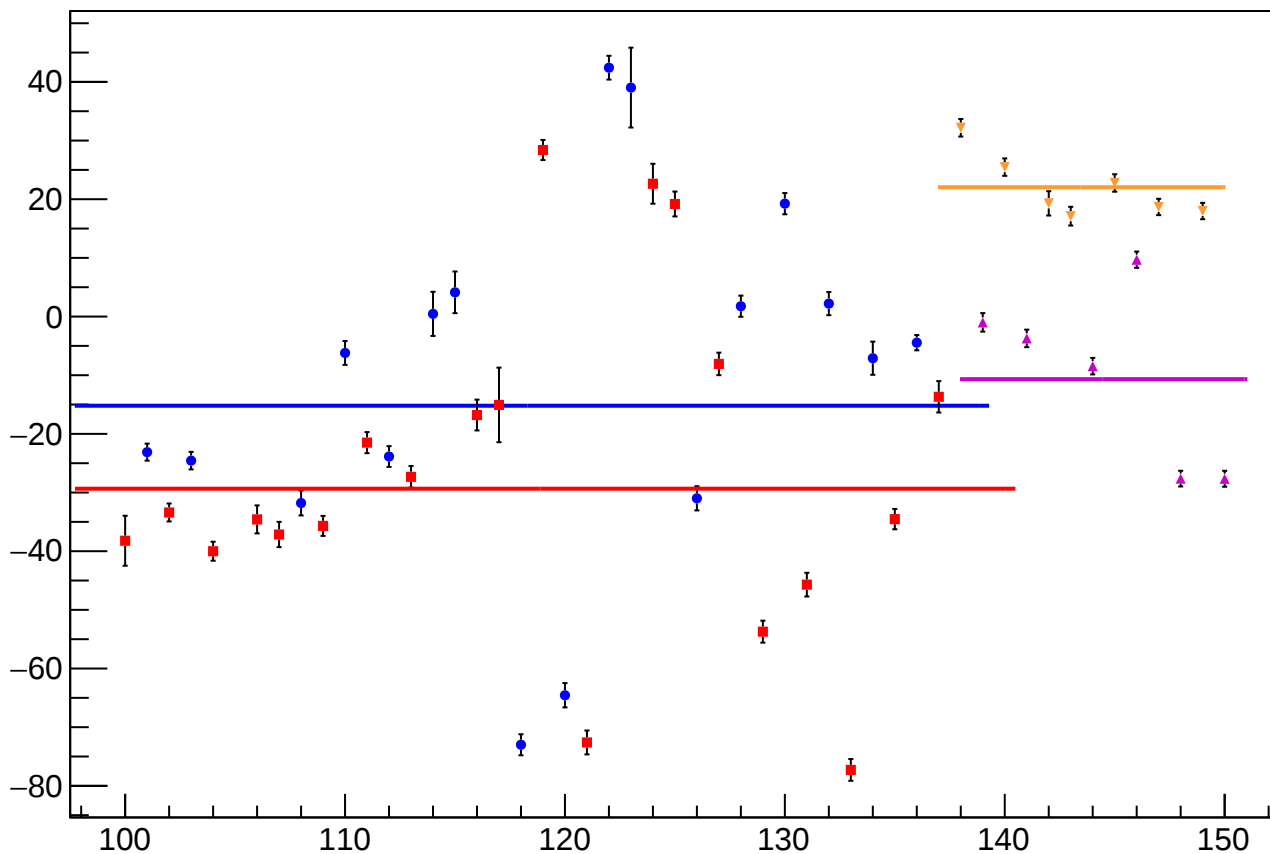
Left In: 1599.143 $\pm$ 0.514 χ^2 /NDF: 15512.0/5

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

1466.829 $\pm$ 0.213 χ^2 /NDF: 243885.5/49

1464.515 $\pm$ 0.299 χ^2 /NDF: 135135.1/25

diff_bpm0i02Y_mean vs Slug, Sign Corrected



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

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

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

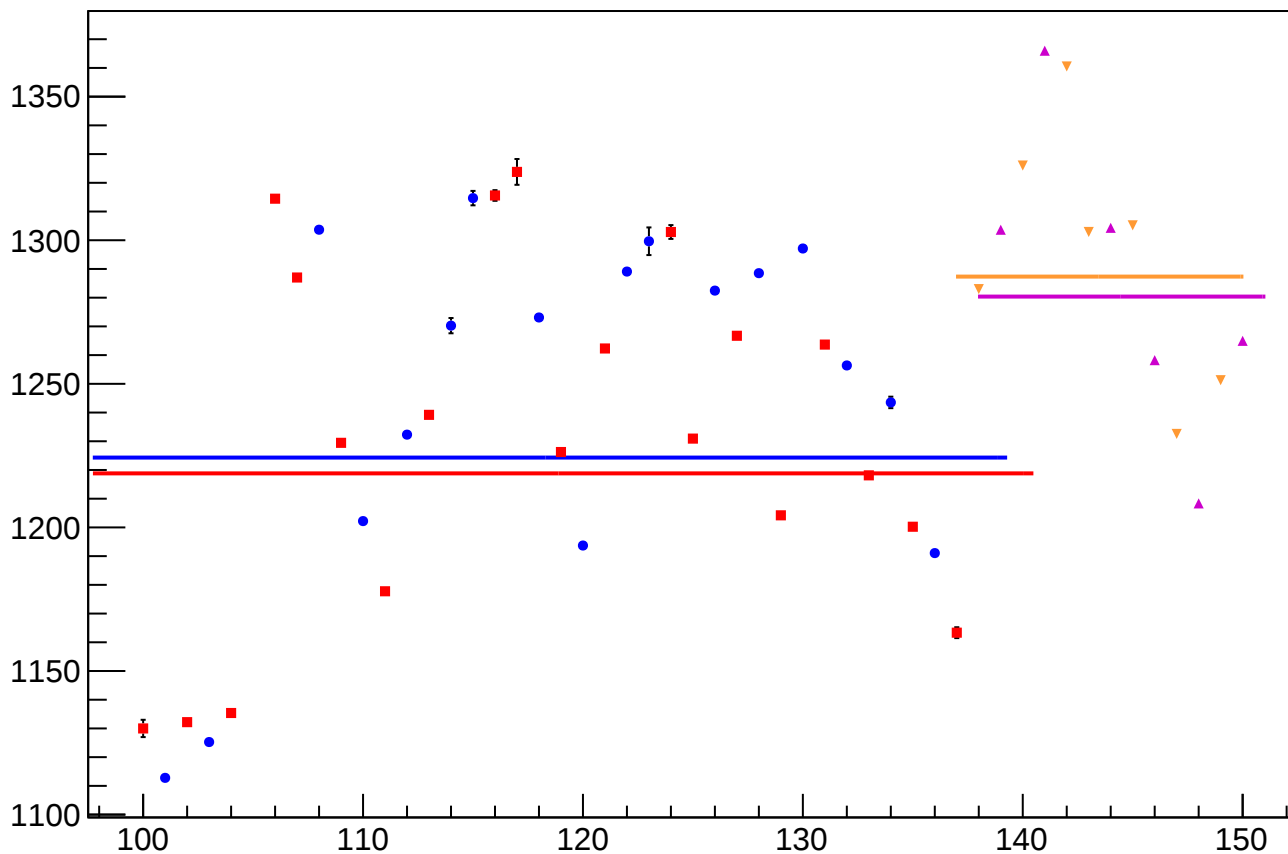
Left In: -10.671 ± 0.581 χ^2/NDF : 591.1/5

-0.267 ± 0.365 χ^2/NDF : 5935.2/23

-11.474 ± 0.256 χ^2/NDF : 12561.2/49

-22.243 ± 0.358 χ^2/NDF : 4781.5/25

diff_bpm0i02Y_rms vs Slug, Sign Corrected



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

Left Out: 1287.340+/-0.408 χ^2/NDF : 8770.1/6

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

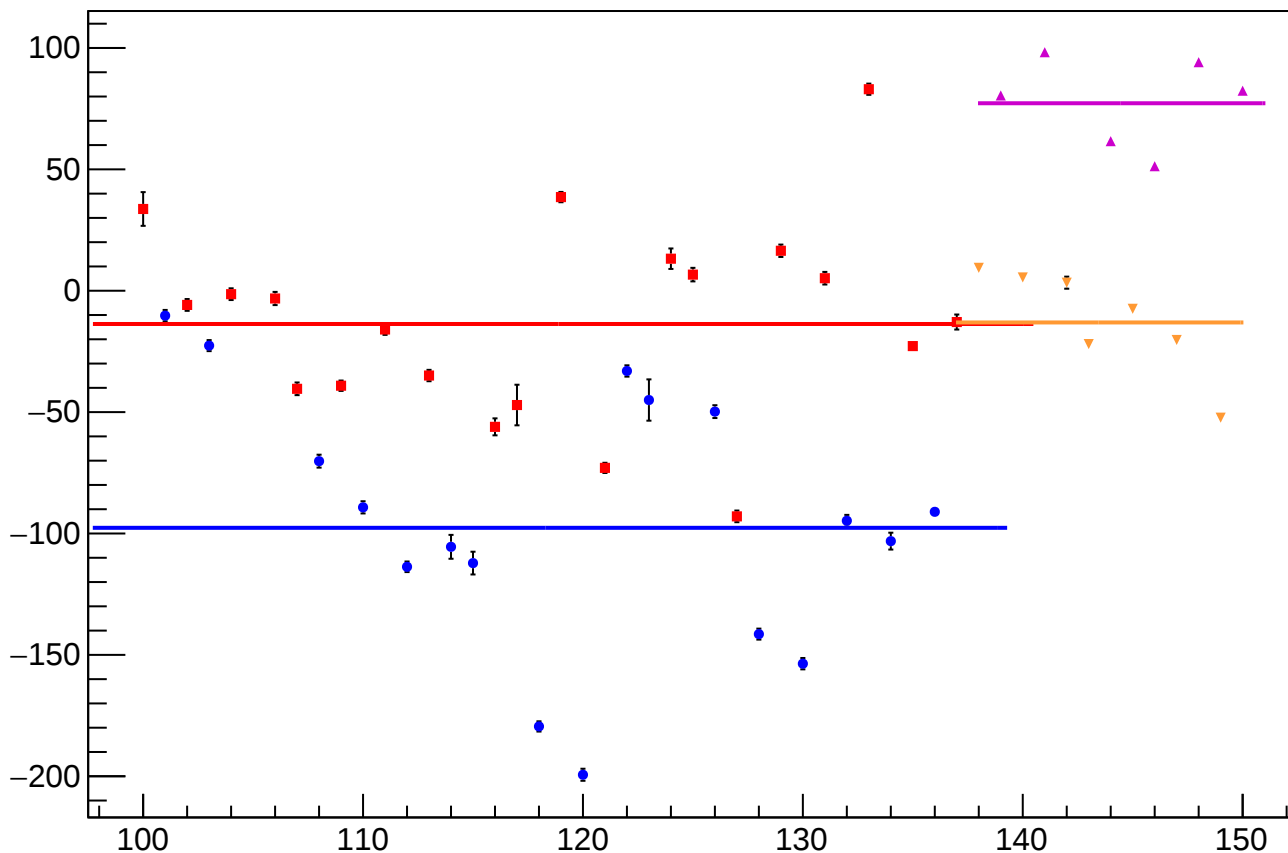
Left In: 1280.381+/-0.411 χ^2/NDF : 14115.3/5

1249.588+/-0.258 χ^2/NDF : 61836.8/23

1245.835+/-0.181 χ^2/NDF : 118409.9/49

1242.229+/-0.253 χ^2/NDF : 56159.4/25

diff_bpm0i02aX_mean vs Slug, Sign Corrected



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

Left Out: -13.066+/-0.727 χ^2/NDF : 797.4/6

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

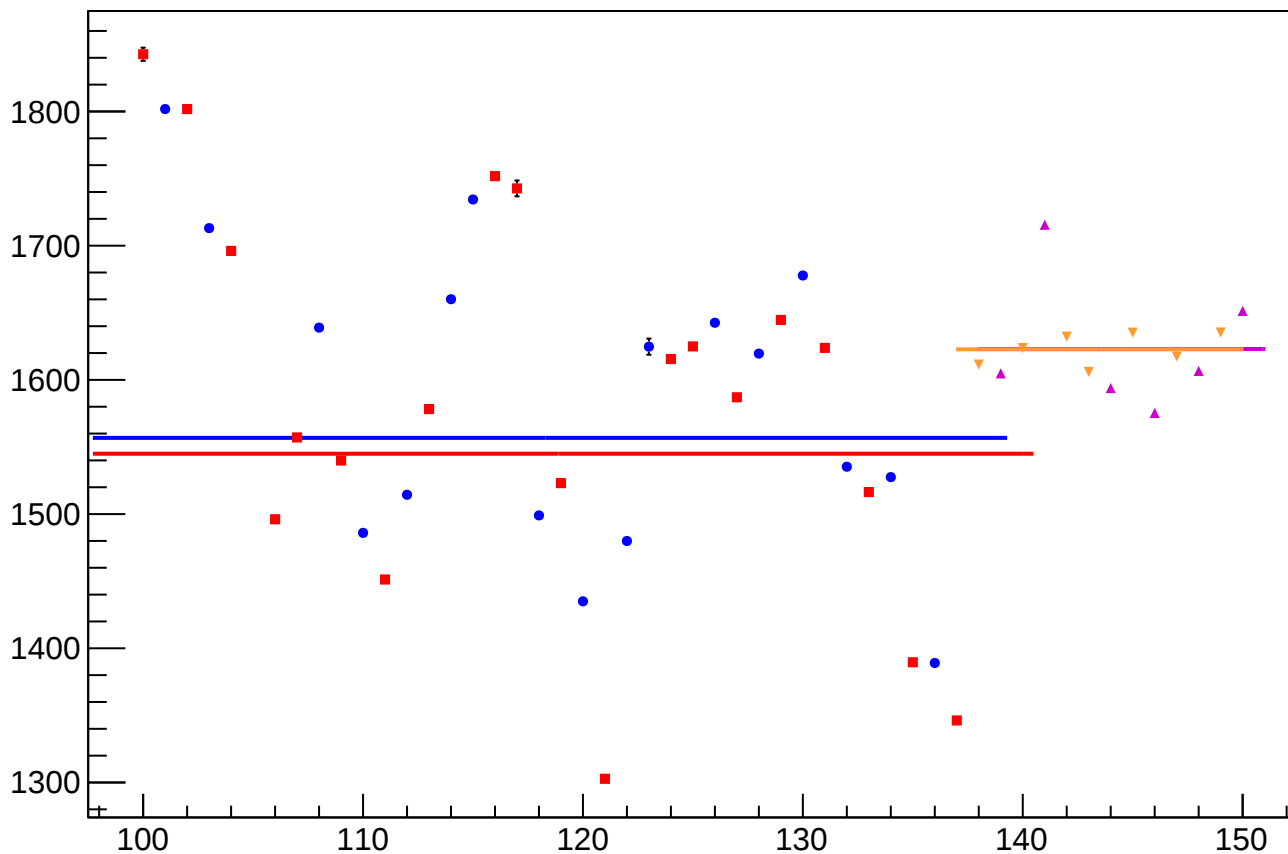
Left In: 77.230+/-0.736 χ^2/NDF : 529.8/5

-63.300+/-0.463 χ^2/NDF : 16771.7/23

-20.361+/-0.325 χ^2/NDF : 48734.7/49

20.972+/-0.455 χ^2/NDF : 15110.8/25

diff_bpm0i02aX_rms vs Slug, Sign Corrected



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

Left Out: 1622.773 $\pm$ 0.514 χ^2 /NDF: 448.4/6

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

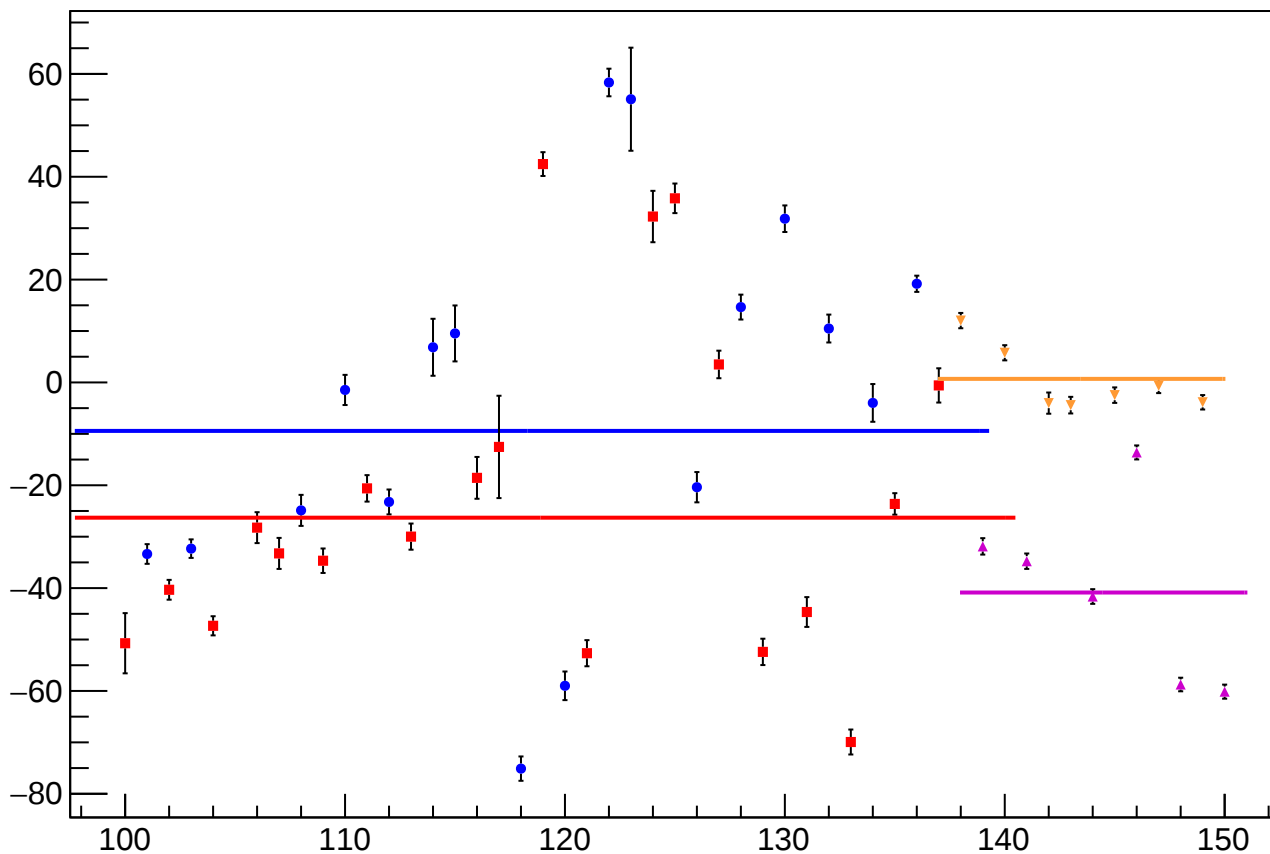
Left In: 1623.033 $\pm$ 0.521 χ^2 /NDF: 7801.9/5

1583.595 $\pm$ 0.328 χ^2 /NDF: 91775.8/23

1579.084 $\pm$ 0.229 χ^2 /NDF: 215480.2/49

1574.743 $\pm$ 0.321 χ^2 /NDF: 123332.5/25

diff_bpm0i02aY_mean vs Slug, Sign Corrected



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

Left Out: 0.694+/-0.580 χ^2/NDF : 100.9/6

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

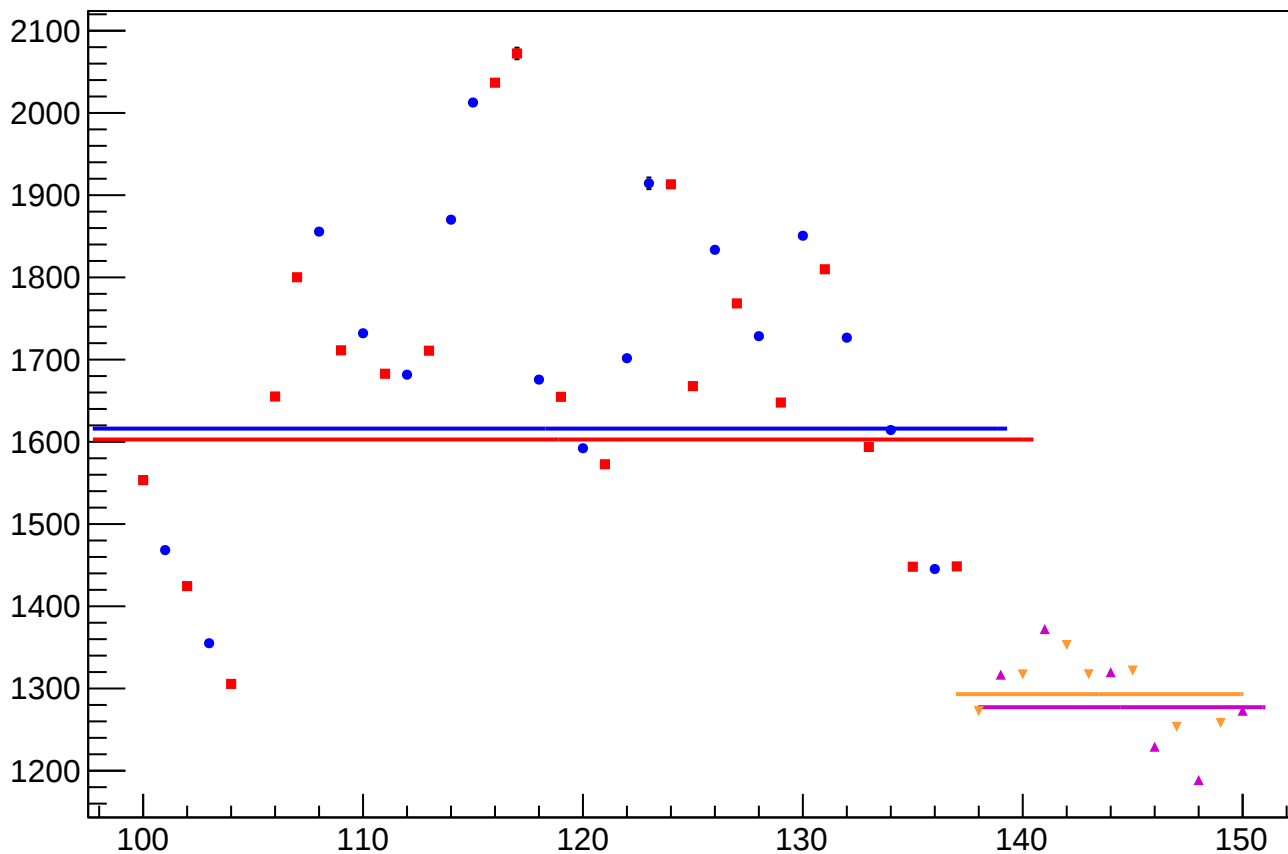
Left In: -40.858+/-0.580 χ^2/NDF : 829.7/5

-3.976+/-0.426 χ^2/NDF : 3165.6/23

-19.194+/-0.298 χ^2/NDF : 9283.4/49

-33.849+/-0.418 χ^2/NDF : 3607.0/25

diff_bpm0i02aY_rms vs Slug, Sign Corrected



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

Left Out: 1293.128 $\pm$ 0.410 χ^2/NDF : 6582.7/6

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

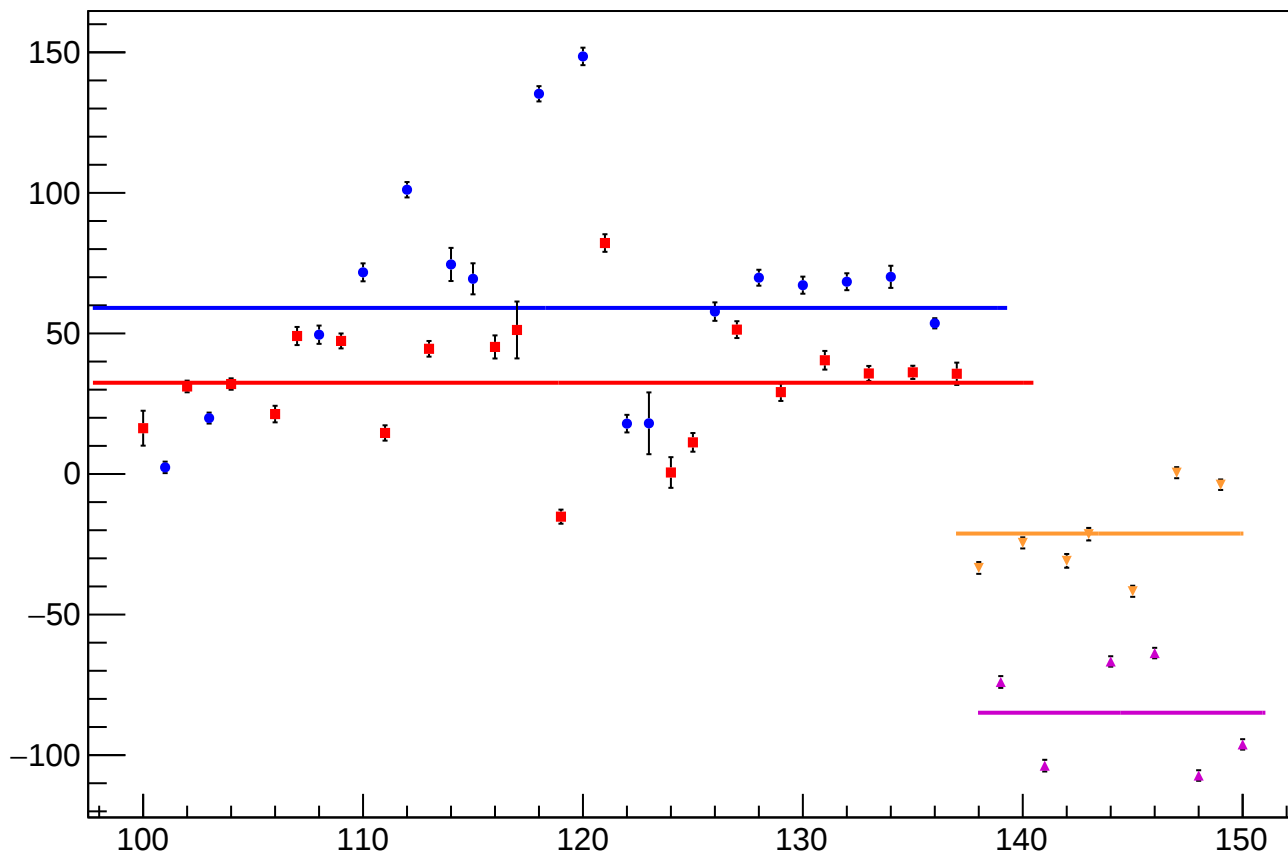
Left In: 1277.246 $\pm$ 0.410 χ^2/NDF : 22547.7/5

1442.138 $\pm$ 0.301 χ^2/NDF : 442495.4/23

1438.023 $\pm$ 0.211 χ^2/NDF : 927161.9/49

1434.061 $\pm$ 0.295 χ^2/NDF : 484299.4/25

diff_bpm0i05X_mean vs Slug, Sign Corrected



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

Left Out: -21.183+/-0.778 χ^2/NDF : 367.8/6

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

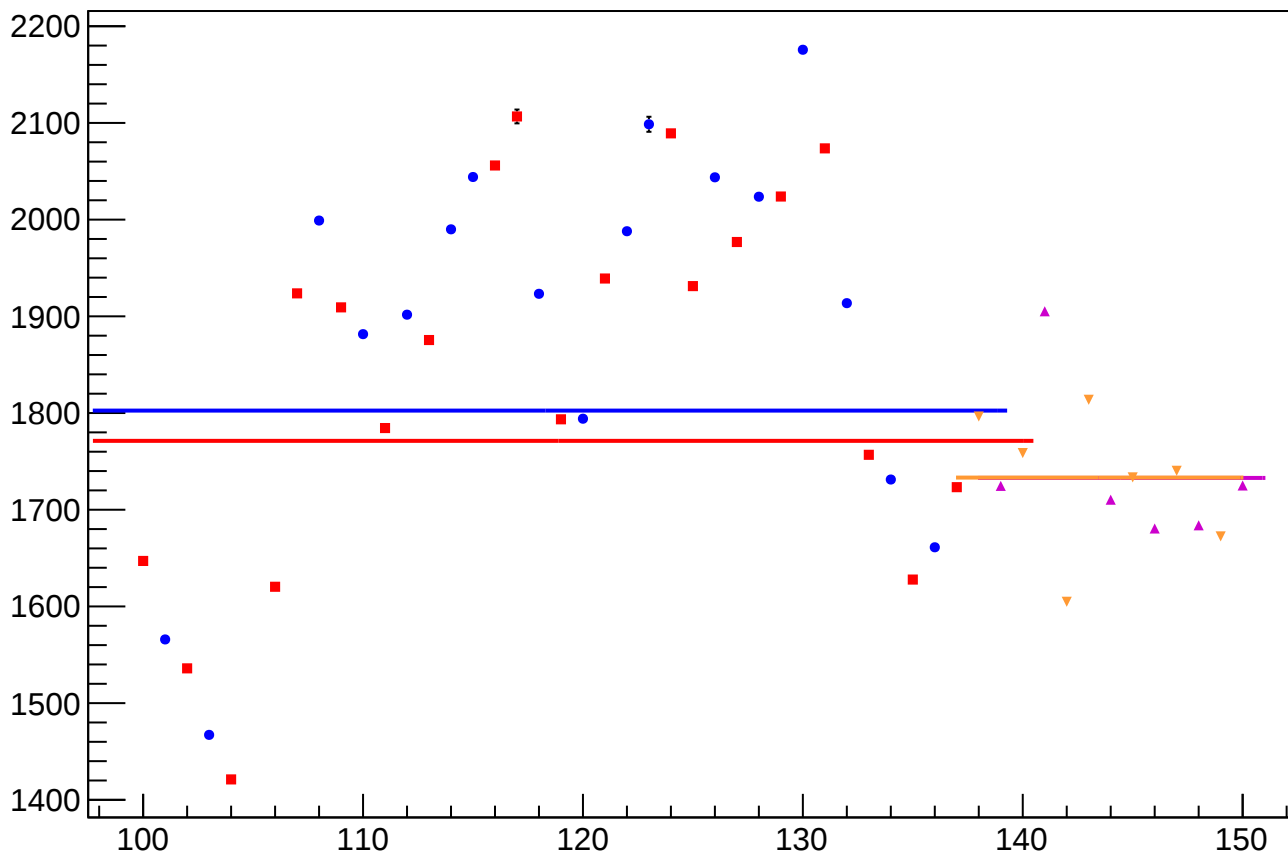
Left In: -84.918+/-0.787 χ^2/NDF : 514.7/5

23.210+/-0.520 χ^2/NDF : 9546.5/23

2.922+/-0.363 χ^2/NDF : 26903.1/49

-16.426+/-0.508 χ^2/NDF : 14384.9/25

diff_bpm0i05X_rms vs Slug, Sign Corrected



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

Left Out: 1733.249 $\pm$ 0.550 χ^2/NDF : 12397.7/6

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

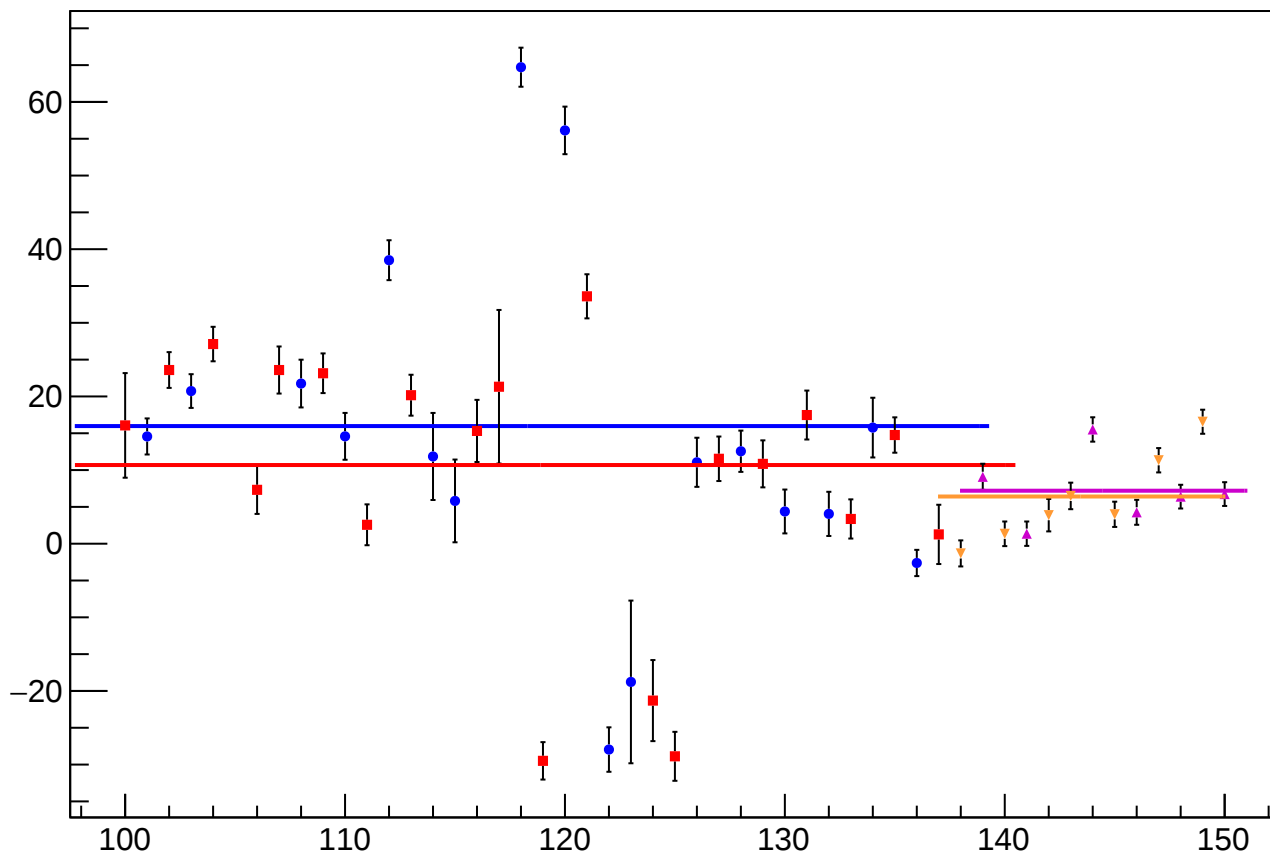
Left In: 1732.892 $\pm$ 0.557 χ^2/NDF : 16990.2/5

1771.563 $\pm$ 0.368 χ^2/NDF : 205234.5/23

1763.219 $\pm$ 0.257 χ^2/NDF : 406099.6/49

1755.261 $\pm$ 0.359 χ^2/NDF : 199859.7/25

diff_bpm0i05Y_mean vs Slug, Sign Corrected



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

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

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

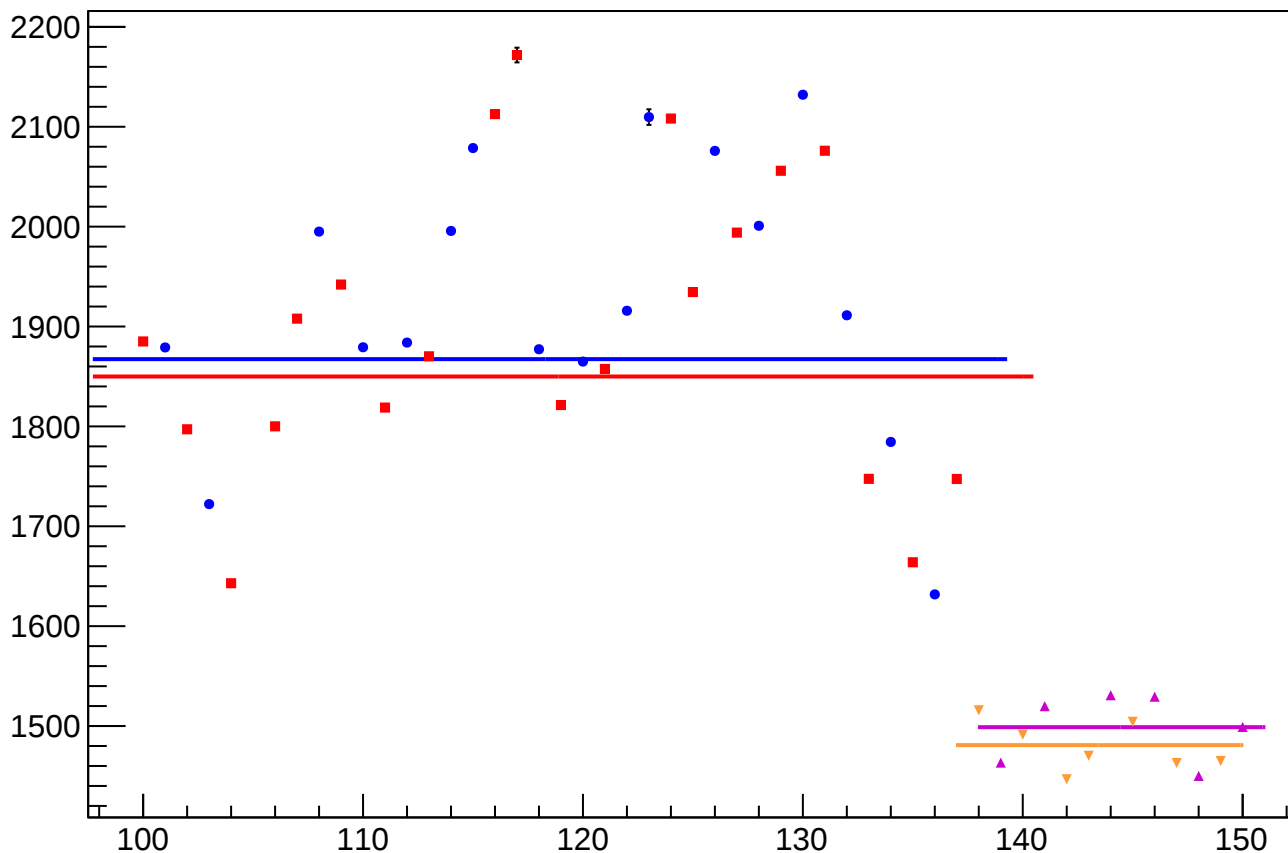
Left In: 7.197 ± 0.680 χ^2/NDF : 42.1/5

10.793 ± 0.488 χ^2/NDF : 1112.6/23

9.844 ± 0.344 χ^2/NDF : 1818.3/49

8.910 ± 0.485 χ^2/NDF : 698.2/25

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1867.343 +/- 0.510 χ^2/NDF : 80926.4/16

Left Out: 1480.886 +/- 0.469 χ^2/NDF : 2198.0/6

Right Out: 1849.954 +/- 0.489 χ^2/NDF : 74440.9/19

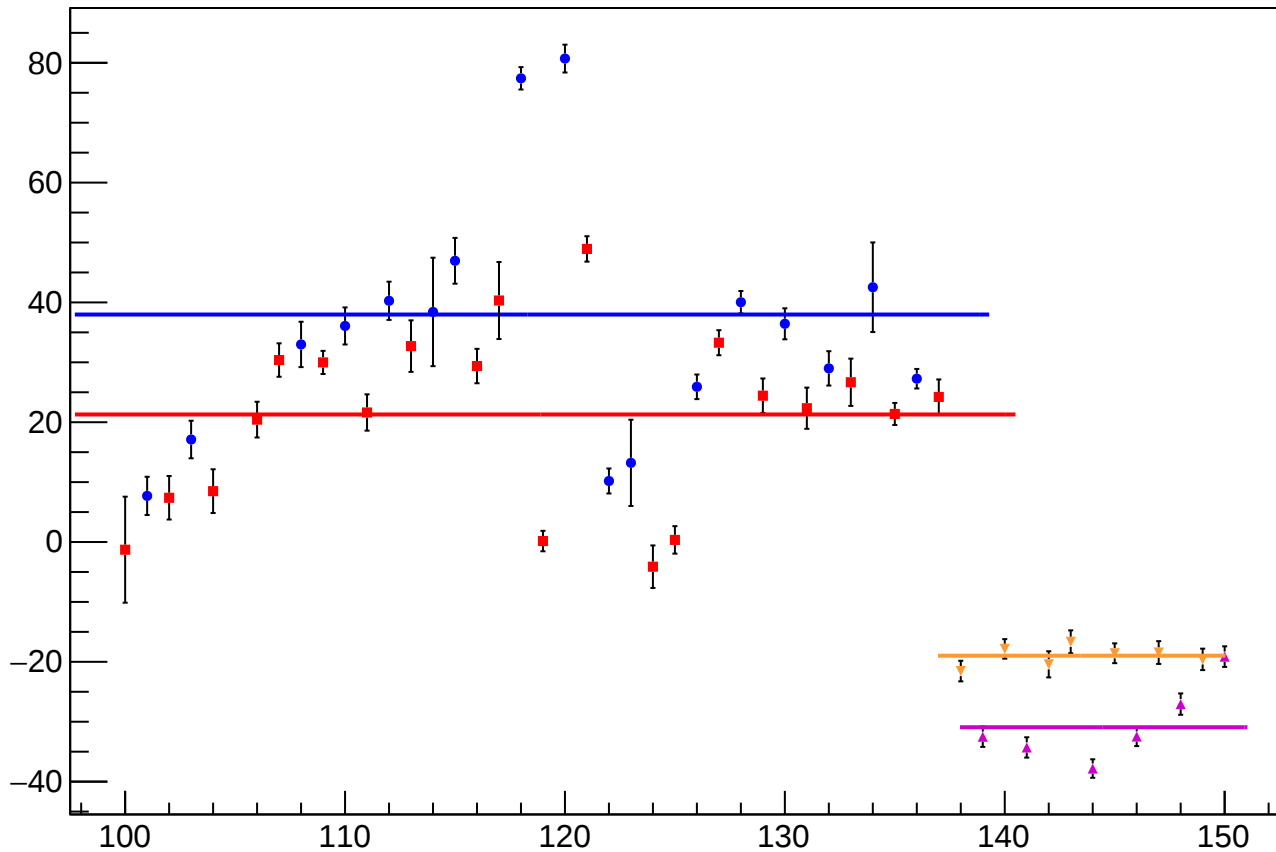
Left In: 1498.855 +/- 0.481 χ^2/NDF : 4352.9/5

1657.966 +/- 0.345 χ^2/NDF : 393894.2/23

1664.681 +/- 0.243 χ^2/NDF : 735558.7/49

1671.295 +/- 0.343 χ^2/NDF : 340914.3/25

diff_bpm0i07X_mean vs Slug, Sign Corrected



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

Left Out: -18.979±0.681 χ^2/NDF : 4.9/6

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

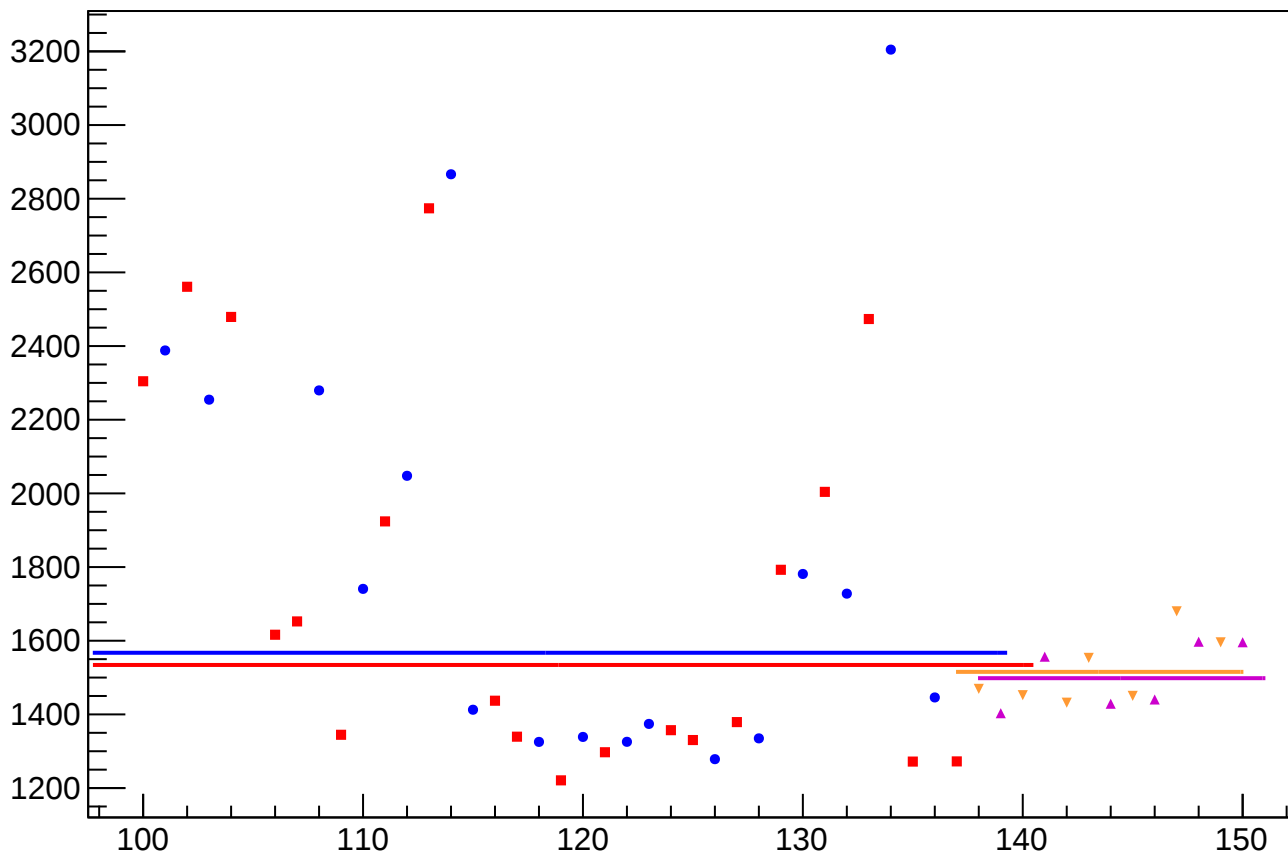
Left In: -30.921±0.681 χ^2/NDF : 77.4/5

11.391±0.465 χ^2/NDF : 4937.0/23

4.633±0.324 χ^2/NDF : 9289.1/49

-1.759±0.453 χ^2/NDF : 3941.7/25

diff_bpm0i07X_rms vs Slug, Sign Corrected



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

Left Out: 1515.485 $\pm$ 0.482 χ^2/NDF : 30258.0/6

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

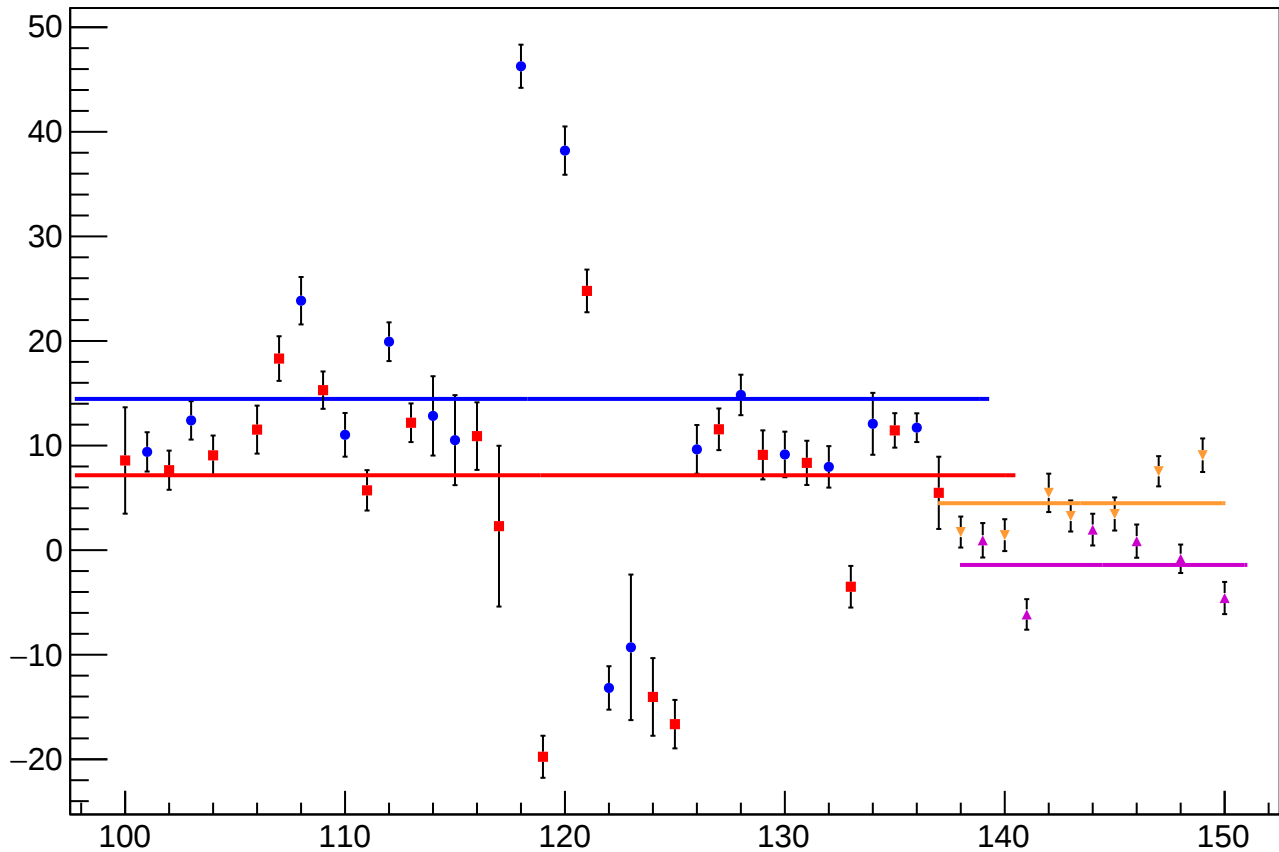
Left In: 1498.327 $\pm$ 0.482 χ^2/NDF : 27873.0/5

1543.128 $\pm$ 0.329 χ^2/NDF : 709885.6/23

1530.407 $\pm$ 0.229 χ^2/NDF : 1627715.9/49

1518.376 $\pm$ 0.320 χ^2/NDF : 914922.9/25

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.461 $\pm$ 0.523 χ^2/NDF : 595.9/16

Left Out: 4.488 $\pm$ 0.587 χ^2/NDF : 21.5/6

Right Out: 7.161 $\pm$ 0.493 χ^2/NDF : 496.1/19

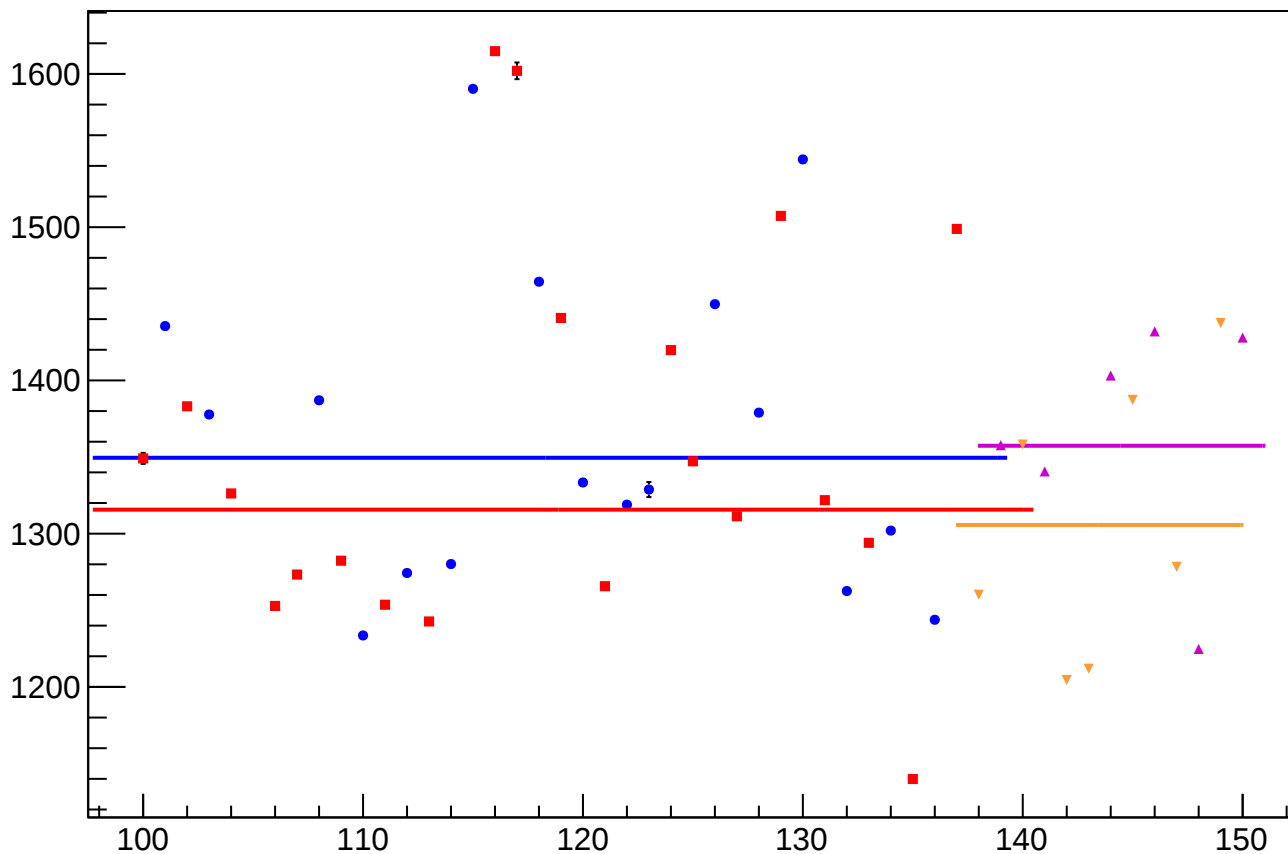
Left In: -1.416 $\pm$ 0.617 χ^2/NDF : 24.0/5

10.047 $\pm$ 0.391 χ^2/NDF : 778.2/23

6.887 $\pm$ 0.274 χ^2/NDF : 1545.3/49

3.814 $\pm$ 0.385 χ^2/NDF : 638.0/25

diff_bpm0i07Y_rms vs Slug, Sign Corrected



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

Left Out: 1305.689 $\pm$ 0.415 χ^2/NDF : 37802.3/6

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

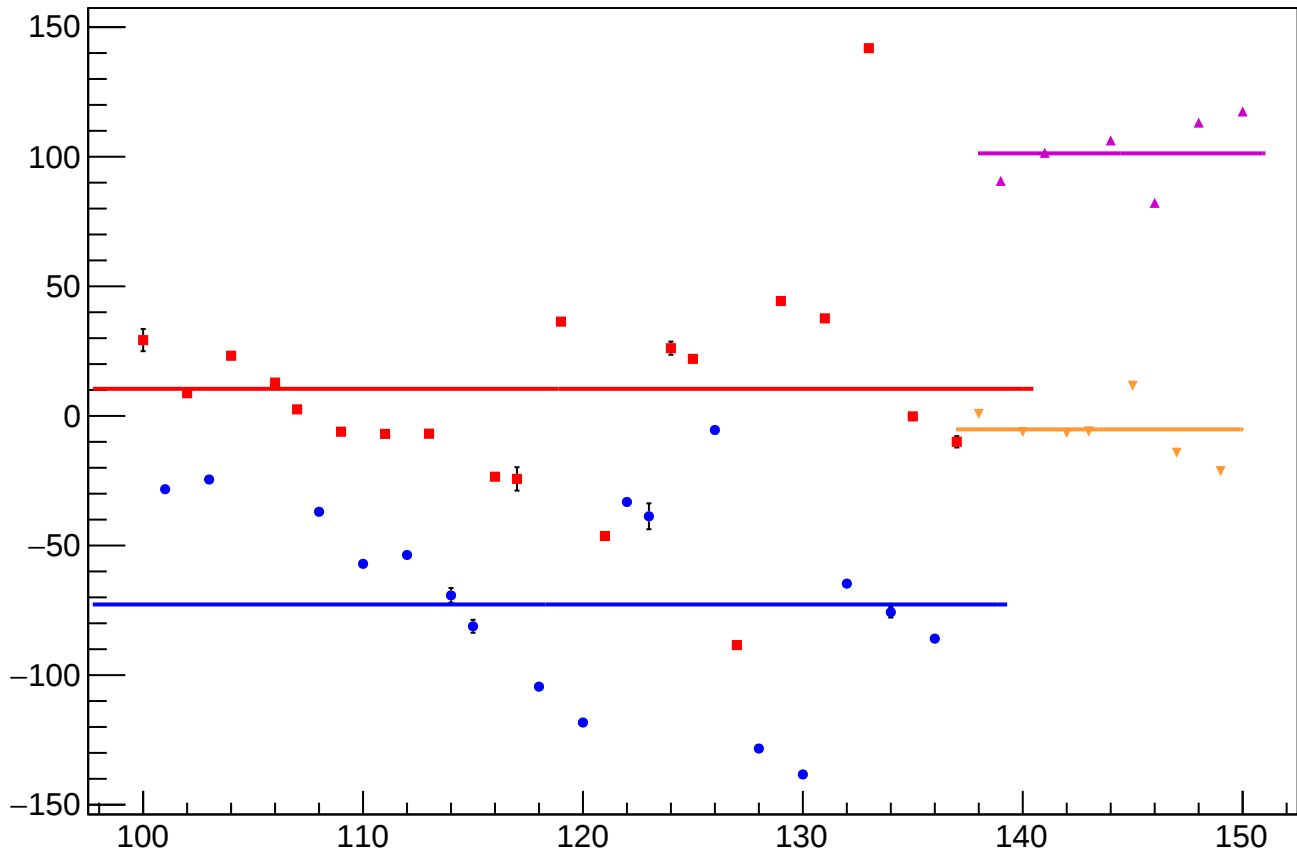
Left In: 1357.371 $\pm$ 0.436 χ^2/NDF : 29668.8/5

1330.121 $\pm$ 0.276 χ^2/NDF : 108682.8/23

1331.045 $\pm$ 0.194 χ^2/NDF : 227689.3/49

1331.943 $\pm$ 0.272 χ^2/NDF : 118984.5/25

diff_bpm1i02X_mean vs Slug, Sign Corrected



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

Left Out: -5.197 ± 0.432 χ^2/NDF : 530.3/6

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

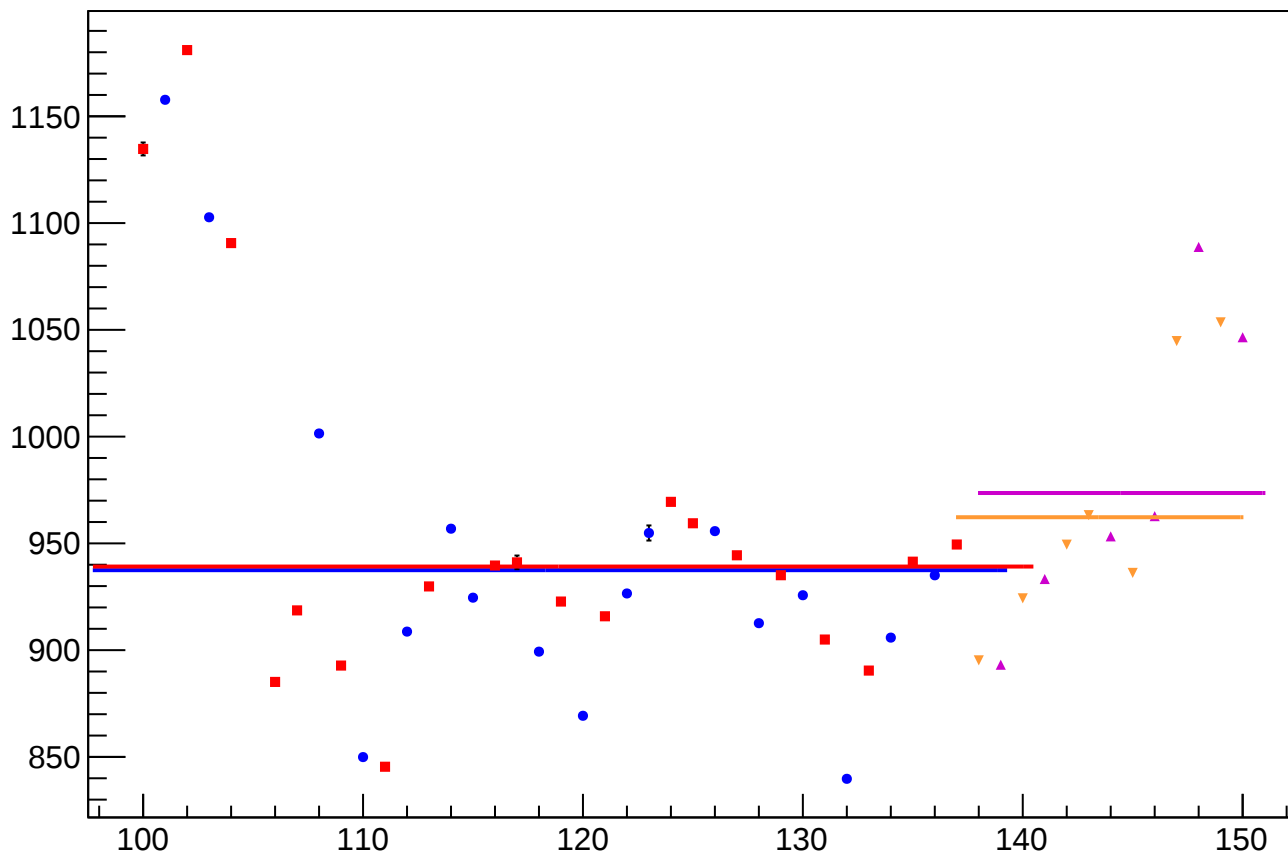
Left In: 101.297 ± 0.442 χ^2/NDF : 742.8/5

-44.834 ± 0.278 χ^2/NDF : 26576.7/23

0.821 ± 0.195 χ^2/NDF : 125039.4/49

45.625 ± 0.275 χ^2/NDF : 44863.7/25

diff_bpm1i02X_rms vs Slug, Sign Corrected



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

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

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

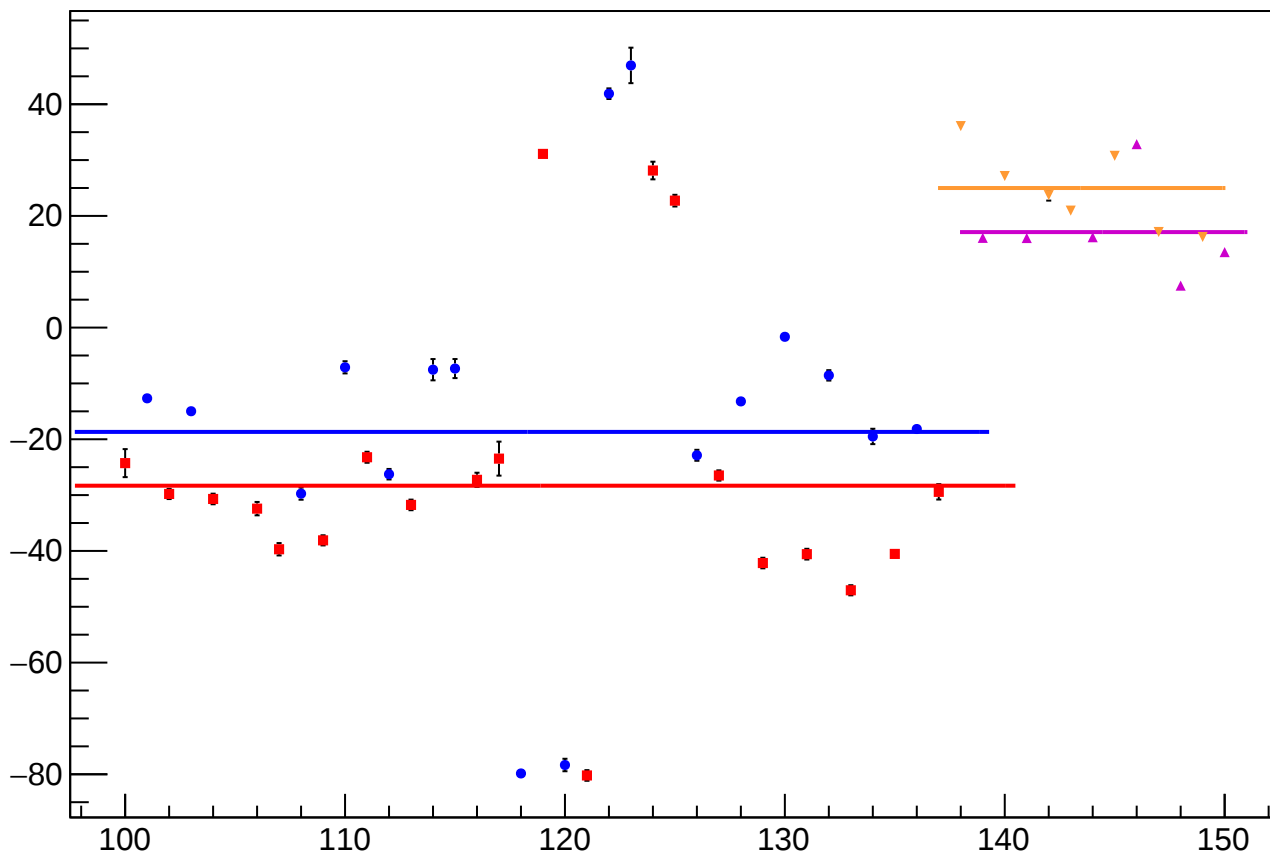
Left In: 973.592 $\pm$ 0.313 χ^2 /NDF: 41724.0/5

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

950.113 $\pm$ 0.138 χ^2 /NDF: 275985.4/49

952.485 $\pm$ 0.194 χ^2 /NDF: 139420.9/25

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -18.683 $\pm$ 0.243 χ^2/NDF : 13006.2/16

Left Out: 24.995 $\pm$ 0.295 χ^2/NDF : 550.3/6

Right Out: -28.318 $\pm$ 0.235 χ^2/NDF : 12510.6/19

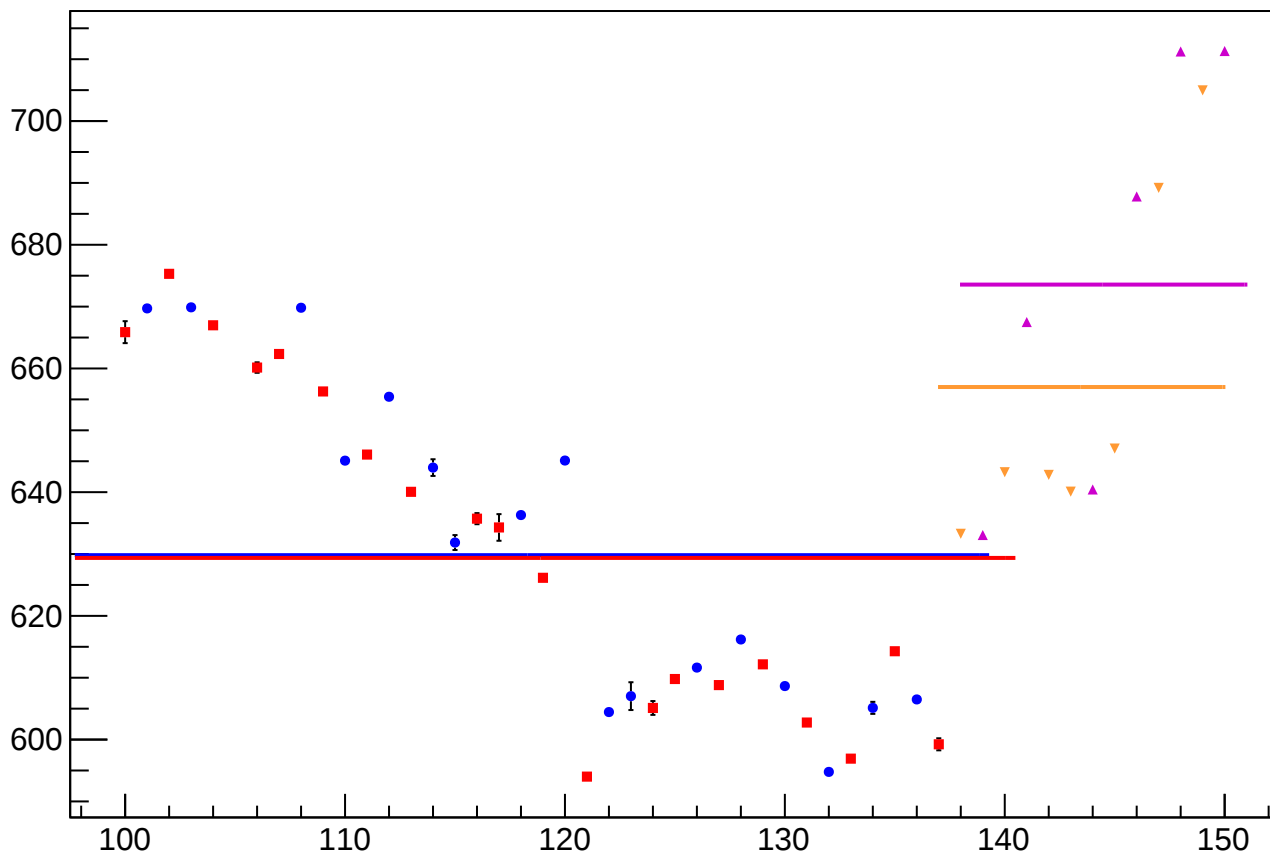
Left In: 17.102 $\pm$ 0.305 χ^2/NDF : 603.6/5

-1.021 $\pm$ 0.187 χ^2/NDF : 26657.7/23

-6.264 $\pm$ 0.132 χ^2/NDF : 55237.6/49

-11.443 $\pm$ 0.186 χ^2/NDF : 27021.8/25

diff_bpm1i02Y_rms vs Slug, Sign Corrected



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

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

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

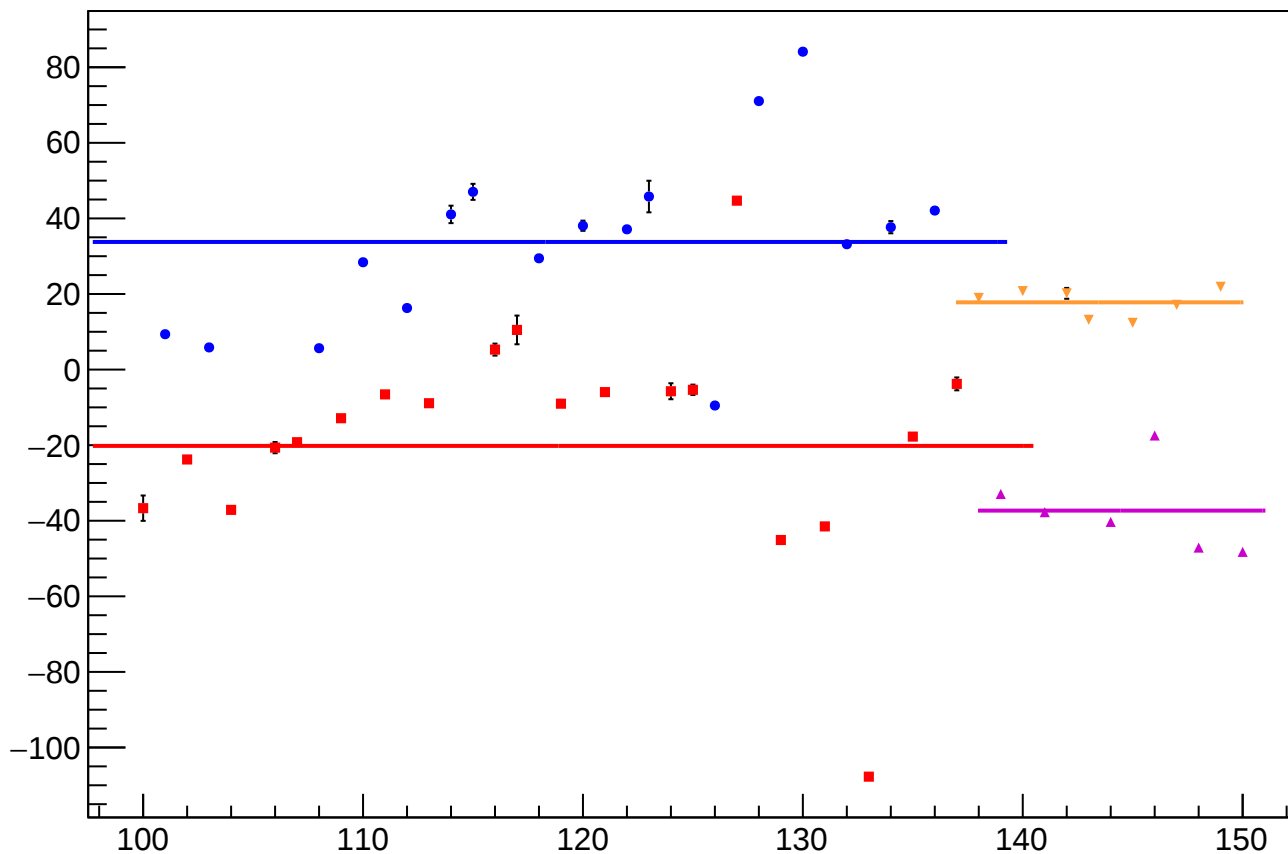
Left In: 673.561+/-0.216 χ^2/NDF : 20435.4/5

640.808+/-0.132 χ^2/NDF : 48813.3/23

643.314+/-0.093 χ^2/NDF : 121835.6/49

645.788+/-0.132 χ^2/NDF : 72310.6/25

diff_bpm1i04X_mean vs Slug, Sign Corrected



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

Left Out: 17.792+/-0.448 χ^2/NDF : 60.1/6

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

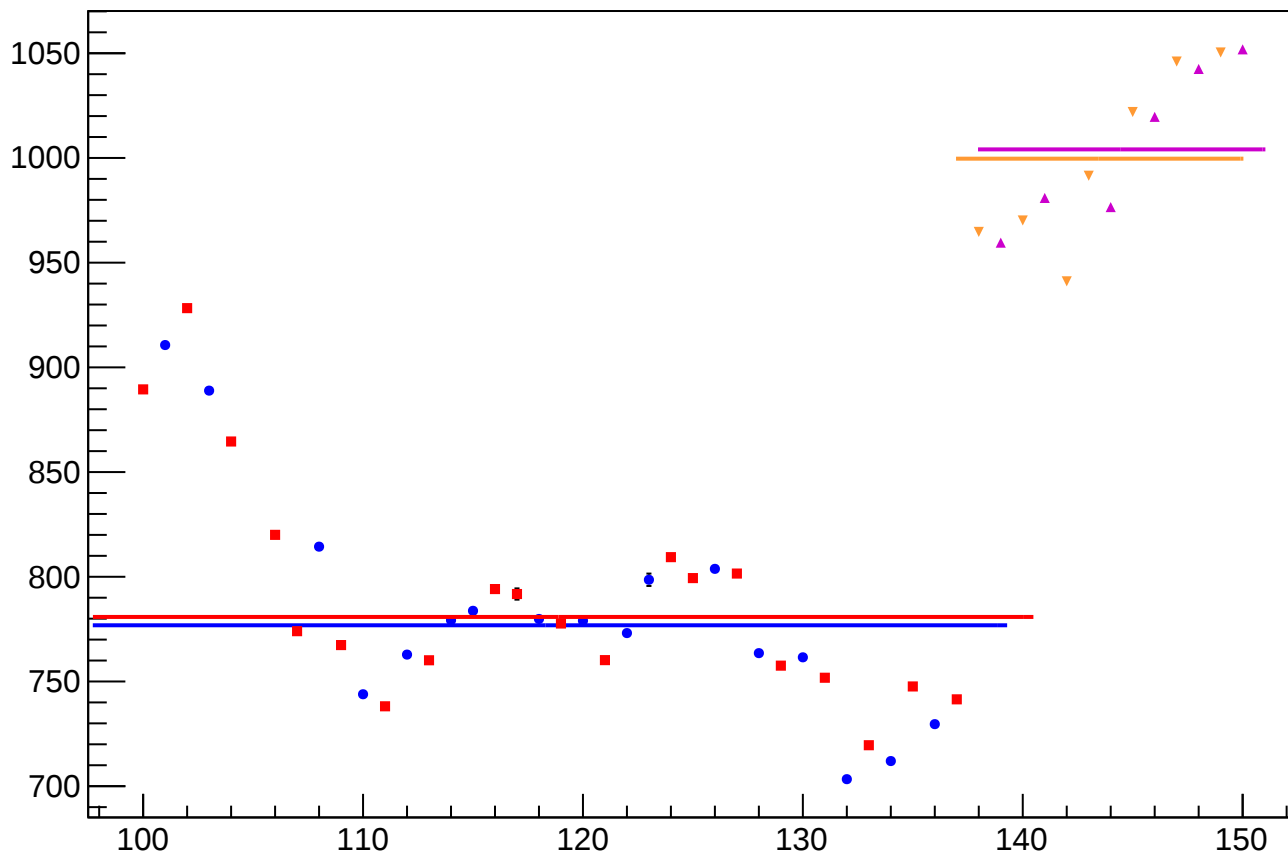
Left In: -37.317+/-0.455 χ^2/NDF : 496.6/5

28.831+/-0.249 χ^2/NDF : 7426.1/23

1.430+/-0.175 χ^2/NDF : 44099.3/49

-25.175+/-0.246 χ^2/NDF : 12852.8/25

diff_bpm1i04X_rms vs Slug, Sign Corrected



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

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

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

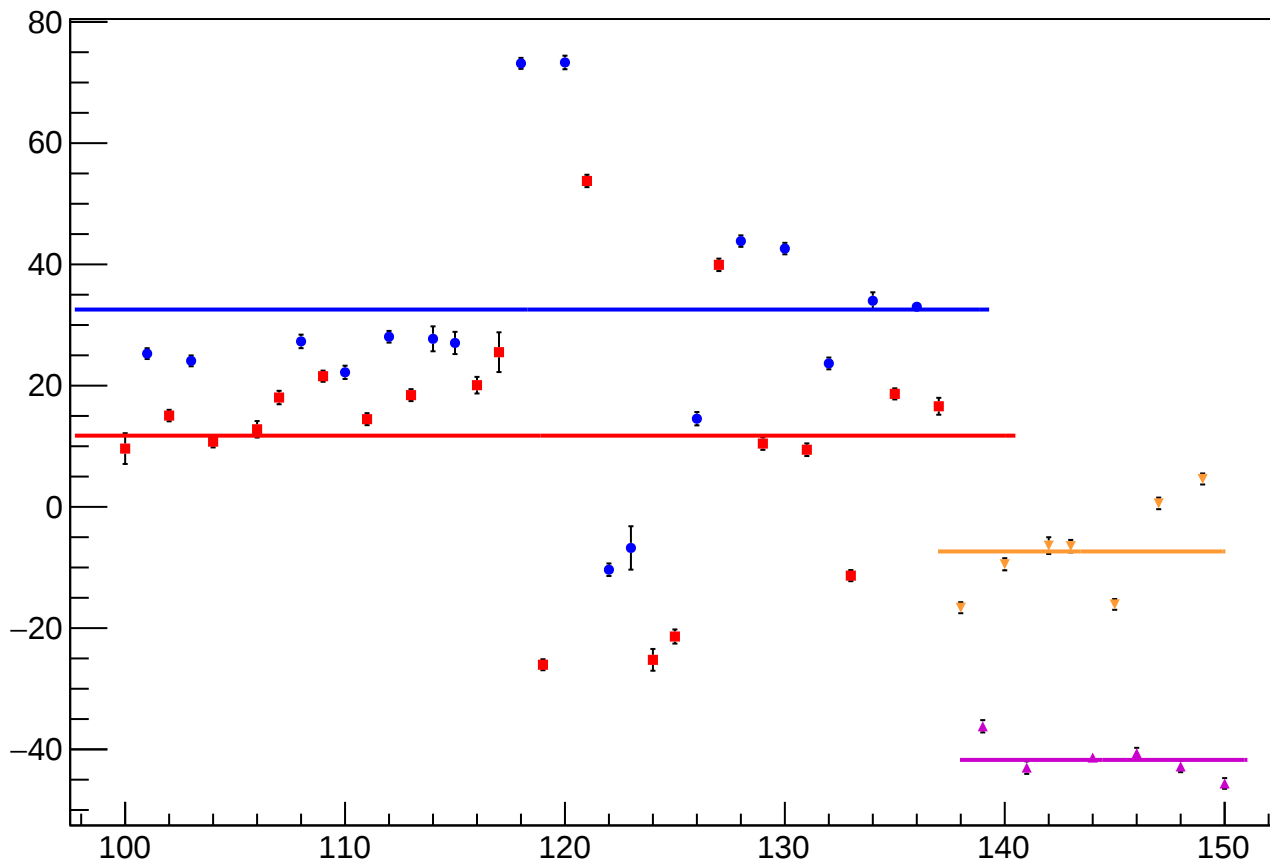
Left In: 1004.091 $\pm$ 0.322 χ^2 /NDF: 11375.4/5

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

845.760 $\pm$ 0.124 χ^2 /NDF: 833098.5/49

845.775 $\pm$ 0.174 χ^2 /NDF: 409797.3/25

diff_bpm1i04Y_mean vs Slug, Sign Corrected



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

Left Out: -7.353 +/- 0.372 χ^2/NDF : 447.8/6

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

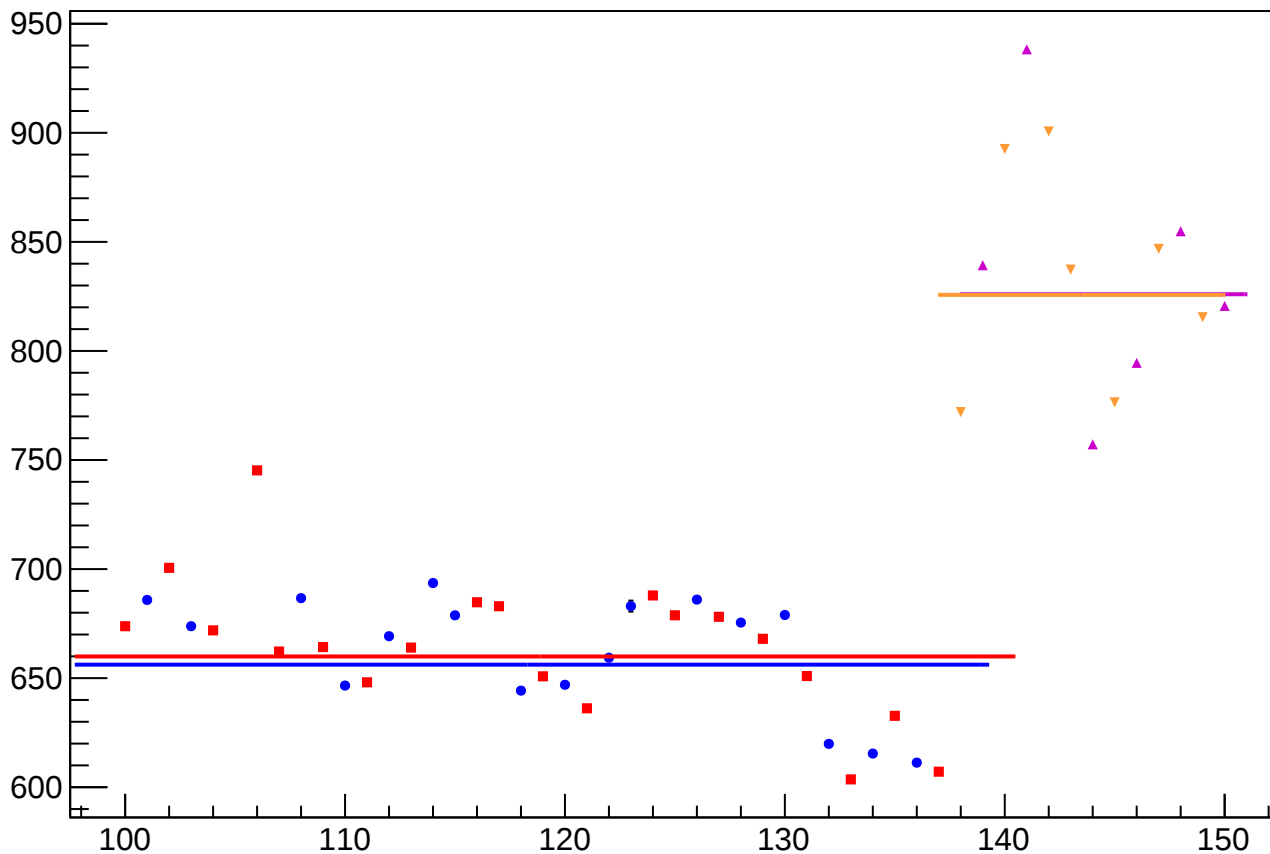
Left In: -41.738 +/- 0.377 χ^2/NDF : 53.6/5

19.918 +/- 0.209 χ^2/NDF : 14406.1/23

7.674 +/- 0.147 χ^2/NDF : 41706.6/49

-4.241 +/- 0.206 χ^2/NDF : 20531.3/25

diff_bpm1i04Y_rms vs Slug, Sign Corrected



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

Left Out: 825.707+/-0.263 χ^2/NDF : 29441.6/6

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

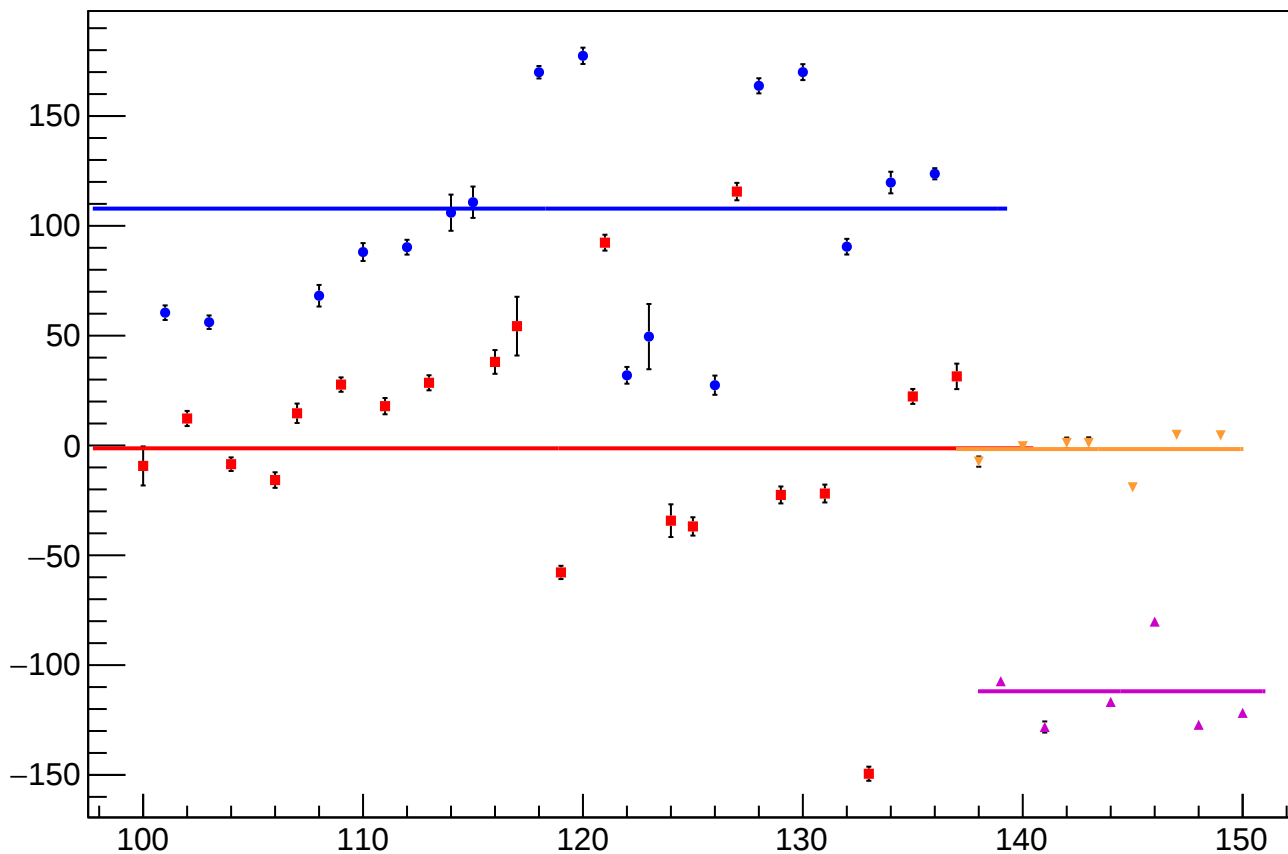
Left In: 825.997+/-0.267 χ^2/NDF : 41890.5/5

709.854+/-0.148 χ^2/NDF : 337624.9/23

709.721+/-0.104 χ^2/NDF : 679759.4/49

709.592+/-0.146 χ^2/NDF : 342132.9/25

diff_bpm1i06X_mean vs Slug, Sign Corrected



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

Left Out: -1.634 ± 0.788 χ^2/NDF : 109.1/6

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

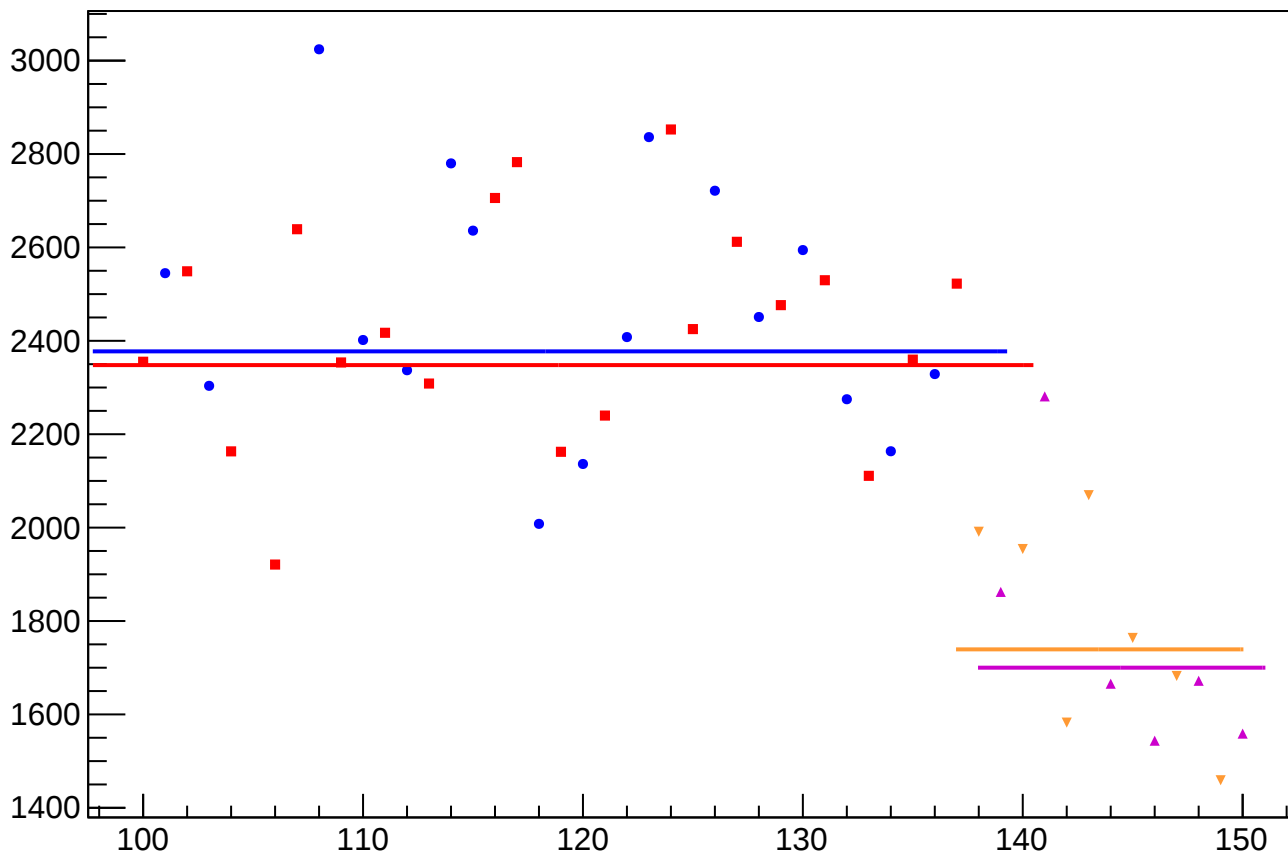
Left In: -111.921 ± 0.784 χ^2/NDF : 494.6/5

44.633 ± 0.599 χ^2/NDF : 11068.5/23

-10.406 ± 0.419 χ^2/NDF : 41411.4/49

-63.046 ± 0.586 χ^2/NDF : 13828.4/25

diff_bpm1i06X_rms vs Slug, Sign Corrected



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

Left Out: 1739.281 ± 0.557 $\chi^2/\text{NDF}: 145387.8/6$

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

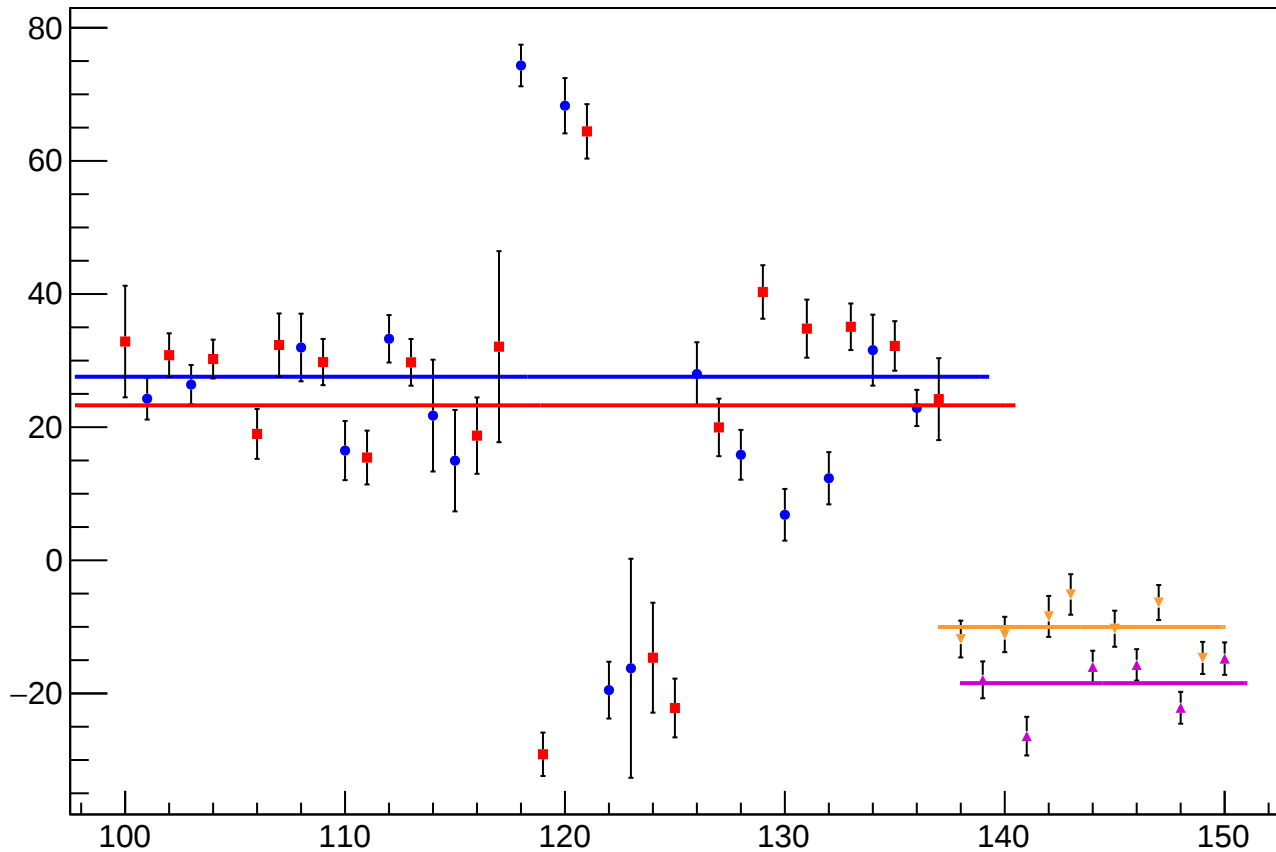
Left In: 1700.083 ± 0.554 $\chi^2/\text{NDF}: 147310.0/5$

2008.948 ± 0.424 $\chi^2/\text{NDF}: 818807.8/23$

1997.399 ± 0.296 $\chi^2/\text{NDF}: 1681250.3/49$

1986.353 ± 0.414 $\chi^2/\text{NDF}: 860988.1/25$

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.577 $\pm$ 0.975 χ^2/NDF : 519.6/16

Left Out: -10.022 $\pm$ 1.032 χ^2/NDF : 9.1/6

Right Out: 23.280 $\pm$ 0.925 χ^2/NDF : 558.2/19

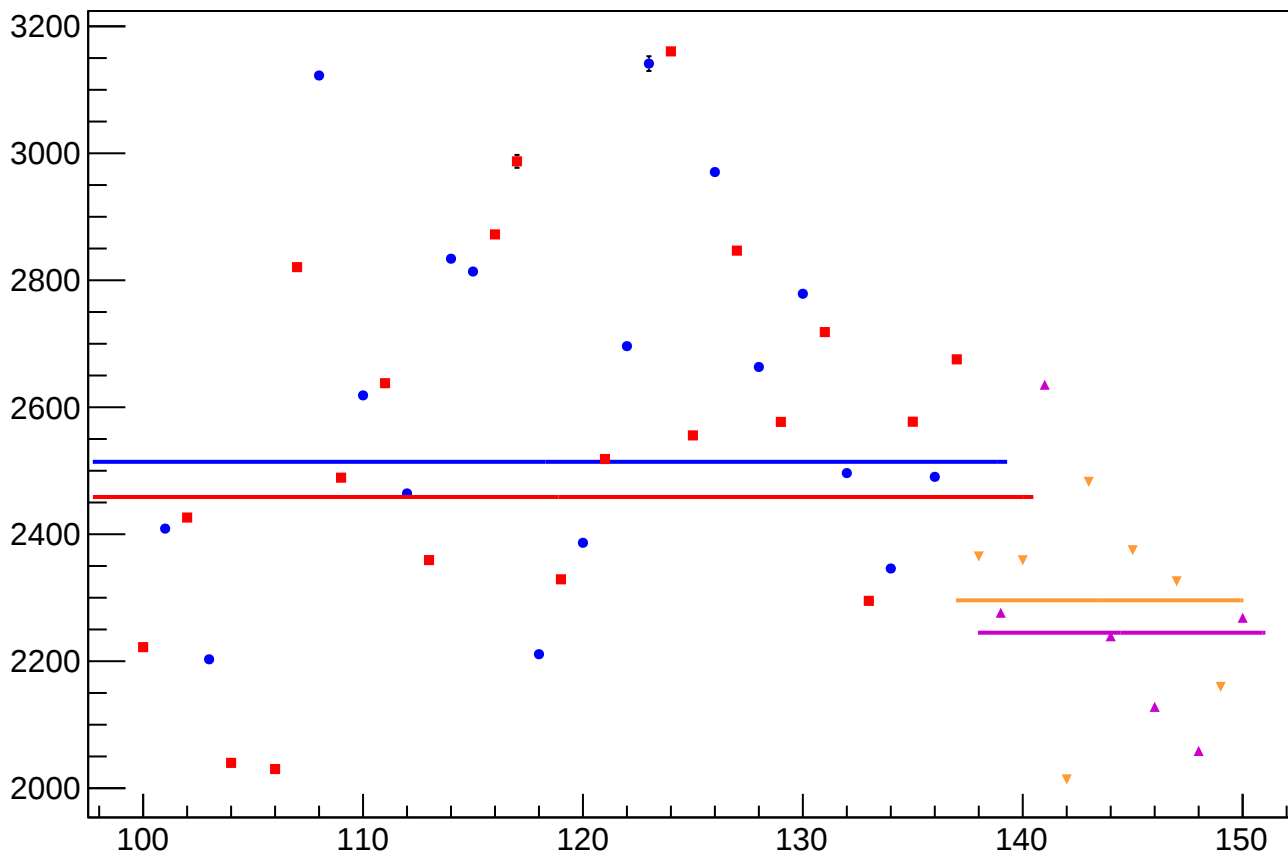
Left In: -18.453 $\pm$ 1.031 χ^2/NDF : 14.6/5

9.857 $\pm$ 0.709 χ^2/NDF : 1229.8/23

7.183 $\pm$ 0.494 χ^2/NDF : 2738.3/49

4.661 $\pm$ 0.688 χ^2/NDF : 1480.8/25

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2514.088 $\pm$ 0.689 χ^2/NDF : 120961.3/16

Left Out: 2295.900 $\pm$ 0.730 χ^2/NDF : 35018.2/6

Right Out: 2458.665 $\pm$ 0.654 χ^2/NDF : 152458.1/19

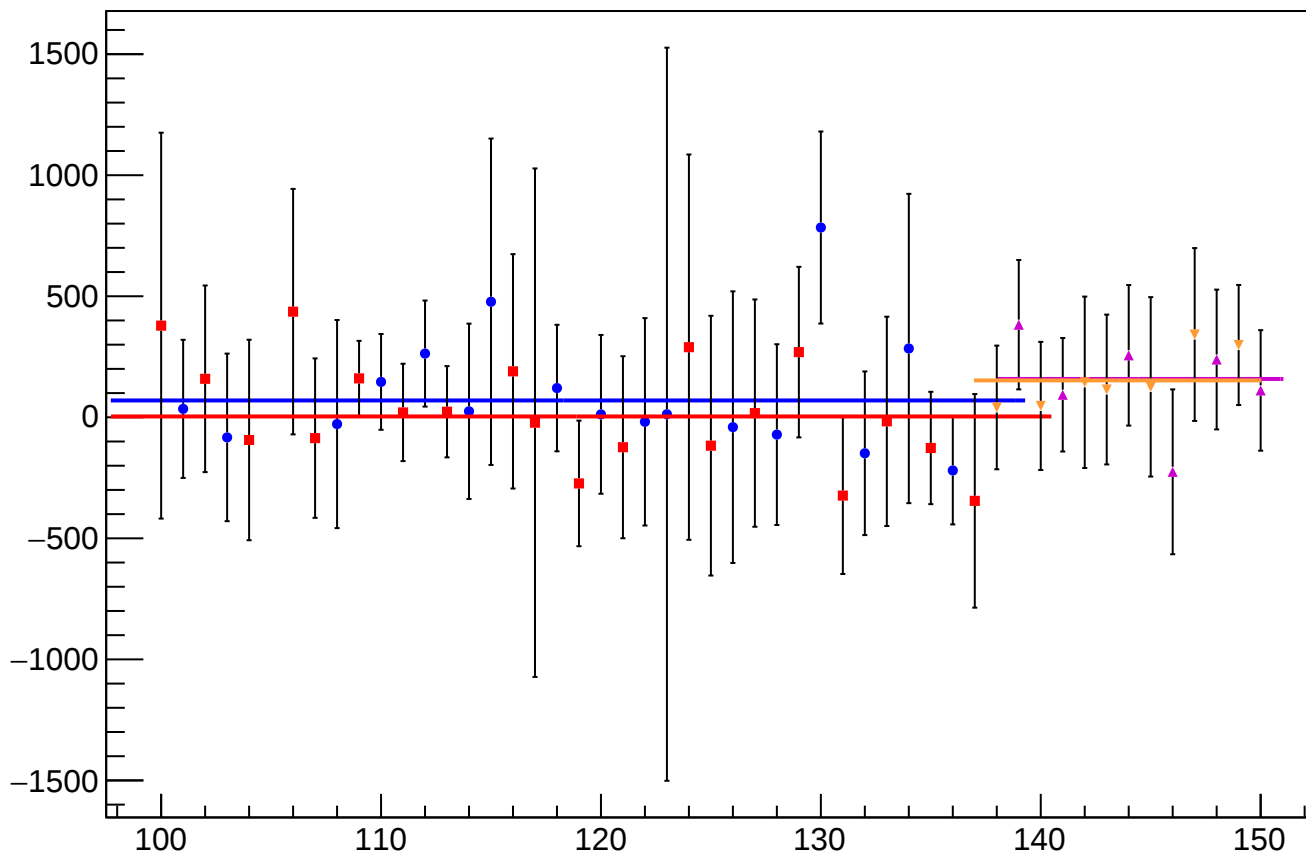
Left In: 2244.910 $\pm$ 0.729 χ^2/NDF : 53671.8/5

2411.257 $\pm$ 0.501 χ^2/NDF : 203206.0/23

2386.581 $\pm$ 0.349 χ^2/NDF : 461688.2/49

2363.300 $\pm$ 0.487 χ^2/NDF : 253771.2/25

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: 152.371 $\pm$ 112.231 χ^2 /NDF:1.0/6

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

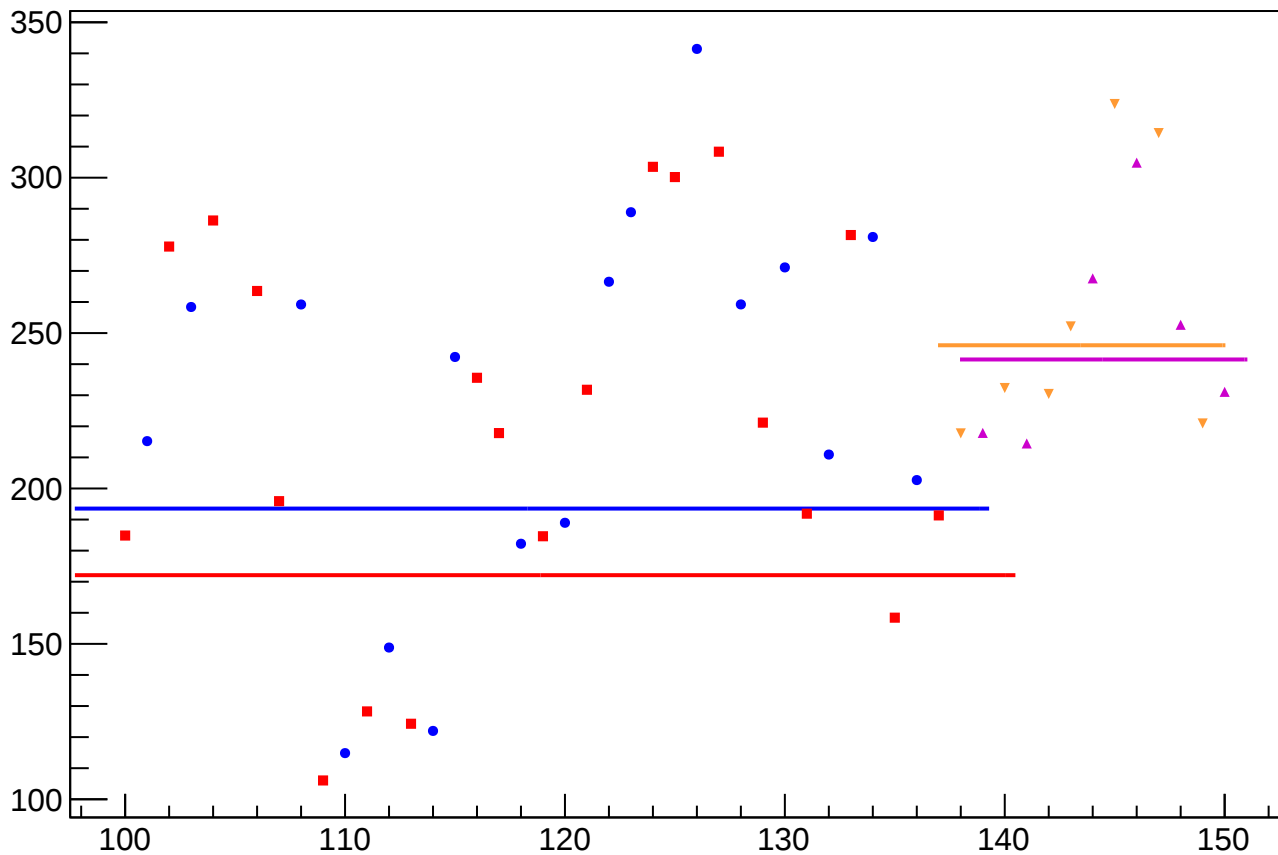
Left In: 158.393 $\pm$ 111.252 χ^2 /NDF:2.3/5

97.026 $\pm$ 64.613 χ^2 /NDF: 8.7/23

69.933 $\pm$ 43.626 χ^2 /NDF: 19.1/49

47.234 $\pm$ 59.141 χ^2 /NDF: 10.1/25

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: 246.079 $\pm$ 0.079 χ^2 /NDF:216194.2/6

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

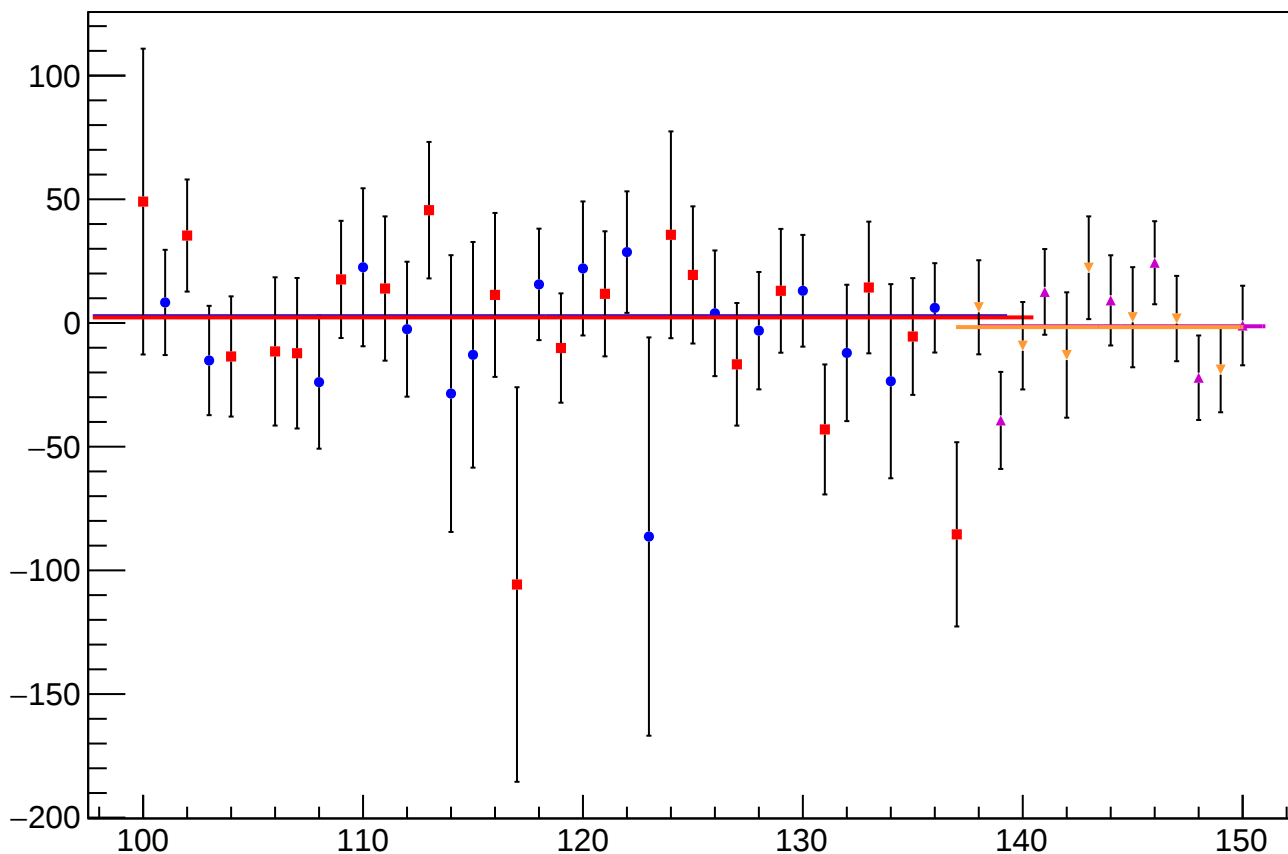
Left In: 241.505 $\pm$ 0.079 χ^2 /NDF:133992.5/5

210.950 $\pm$ 0.046 χ^2 /NDF: 1519726.6/23

200.484 $\pm$ 0.031 χ^2 /NDF: 3889201.5/49

191.716 $\pm$ 0.042 χ^2 /NDF: 2273048.8/25

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: -1.668+/-7.255 χ^2/NDF : 3.0/6

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

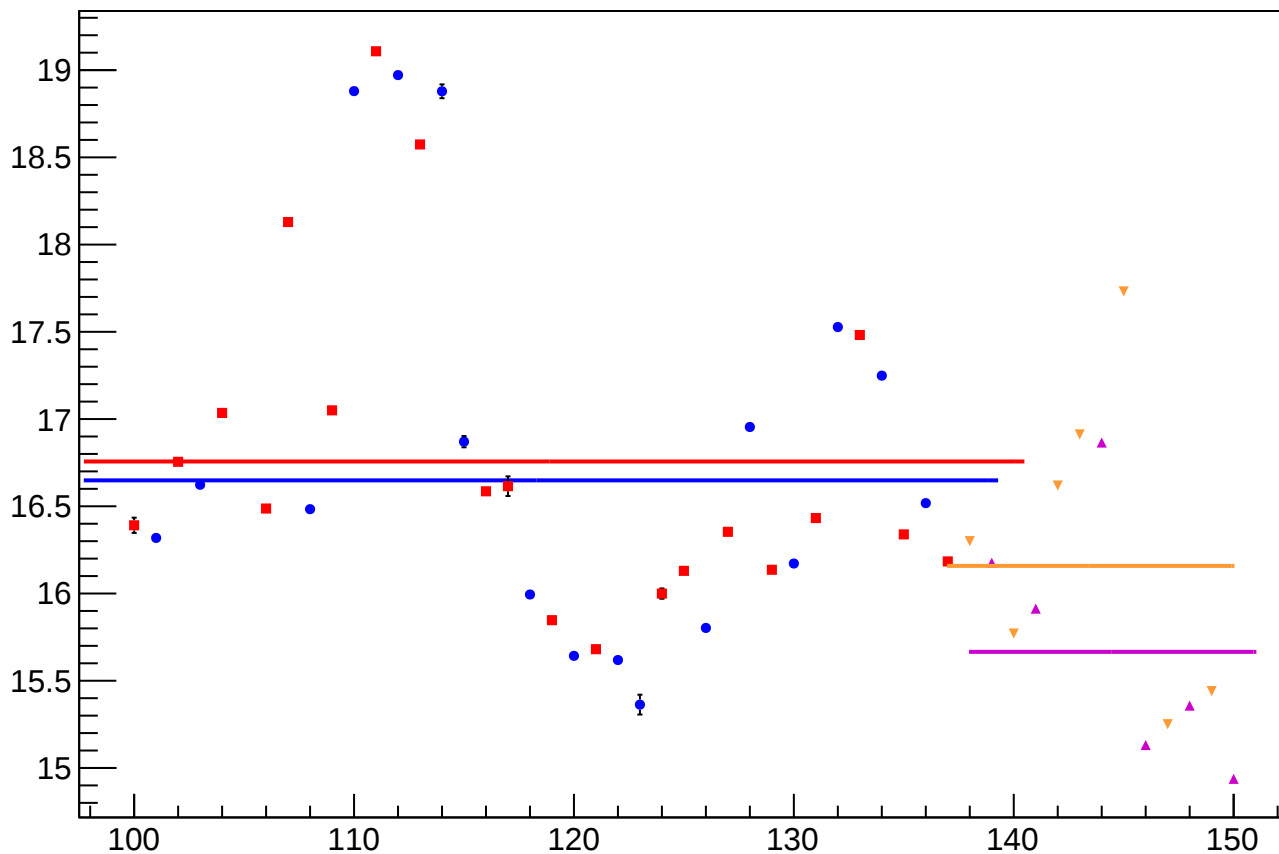
Left In: -1.332+/-7.110 χ^2/NDF : 8.6/5

0.799+/-4.810 χ^2/NDF : 9.9/23

0.744+/-3.361 χ^2/NDF : 38.2/49

0.691+/-4.698 χ^2/NDF : 28.3/25

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

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

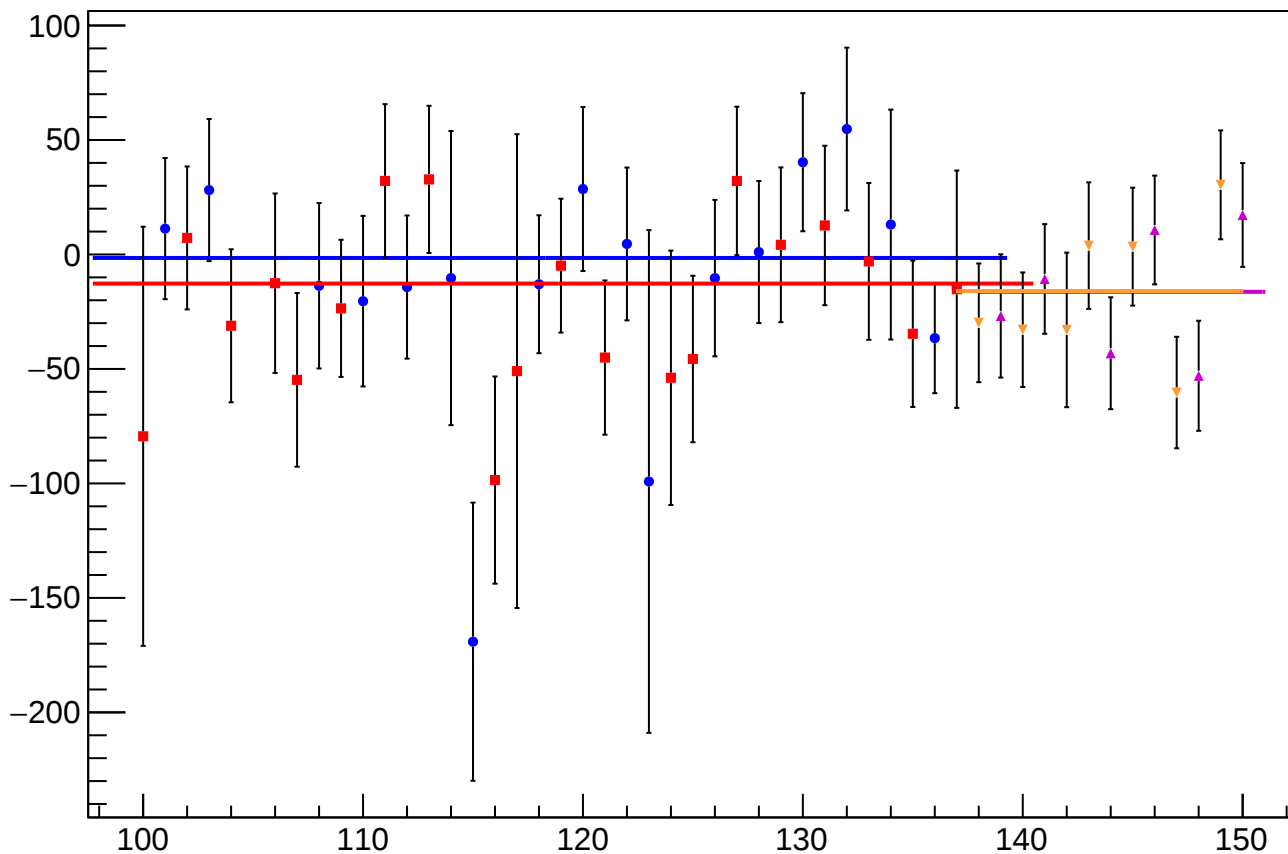
Left In: 15.666 $\pm$ 0.005 χ^2 /NDF: 17198.2/5

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

16.355 $\pm$ 0.002 χ^2 /NDF: 157863.1/49

16.280 $\pm$ 0.003 χ^2 /NDF: 83696.8/25

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: -15.987+/-9.883 χ^2/NDF : 9.2/6

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

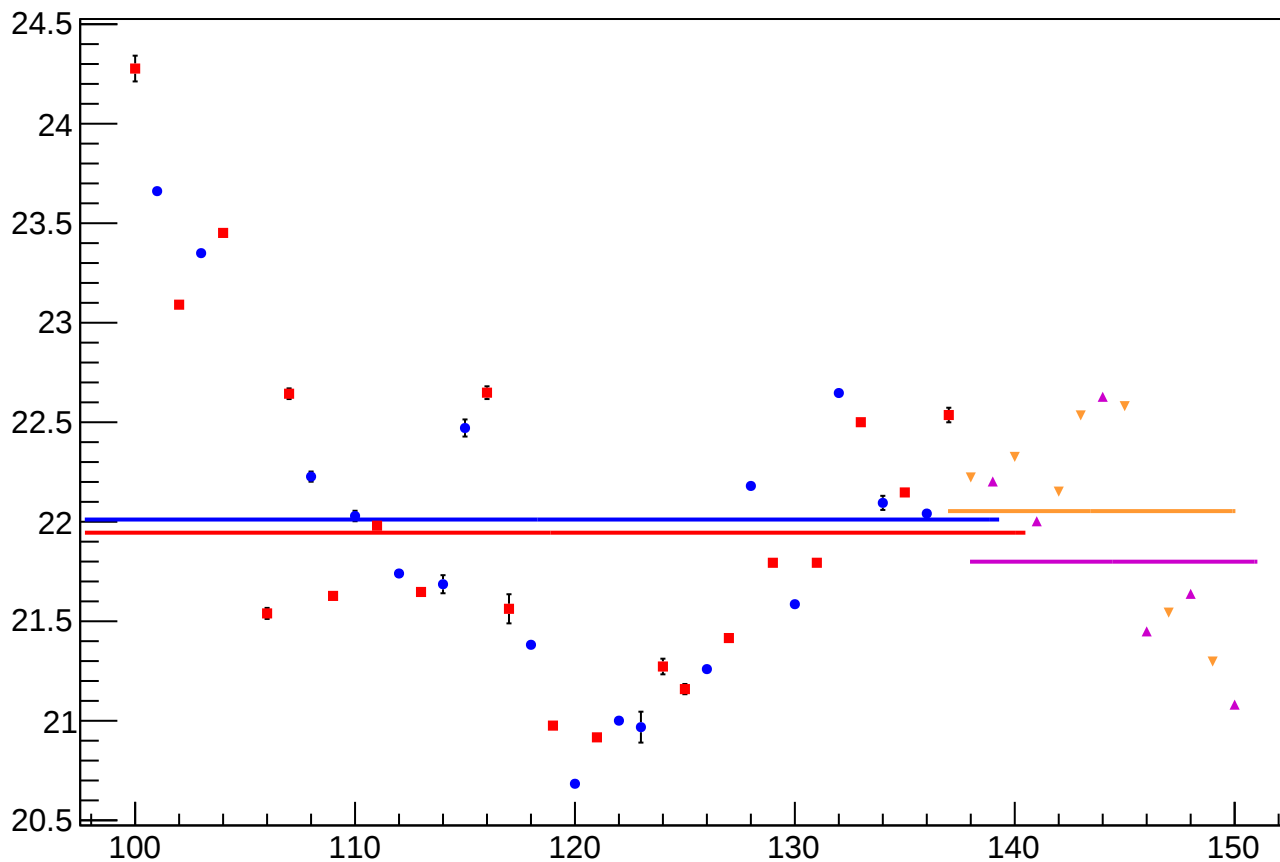
Left In: -16.313+/-9.876 χ^2/NDF : 7.2/5

-7.661+/-6.438 χ^2/NDF : 28.1/23

-10.990+/-4.503 χ^2/NDF : 51.6/49

-14.181+/-6.302 χ^2/NDF : 23.0/25

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.011 ± 0.006 χ^2/NDF : 17546.9/16

Left Out: 22.054 ± 0.007 χ^2/NDF : 4681.9/6

Right Out: 21.945 ± 0.006 χ^2/NDF : 16620.2/19

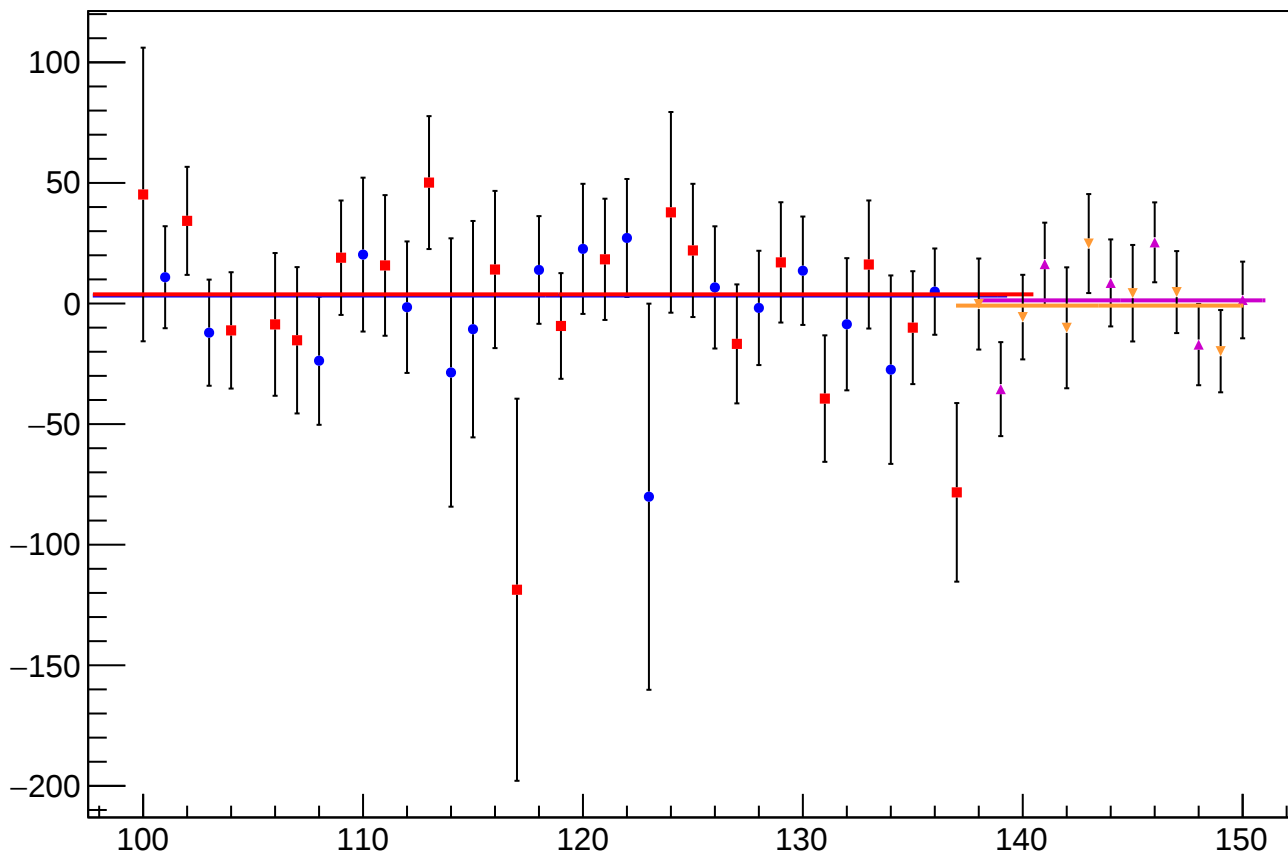
Left In: 21.799 ± 0.007 χ^2/NDF : 5425.6/5

22.029 ± 0.005 χ^2/NDF : 22250.0/23

21.956 ± 0.003 χ^2/NDF : 45060.1/49

21.886 ± 0.004 χ^2/NDF : 22303.6/25

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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

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

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

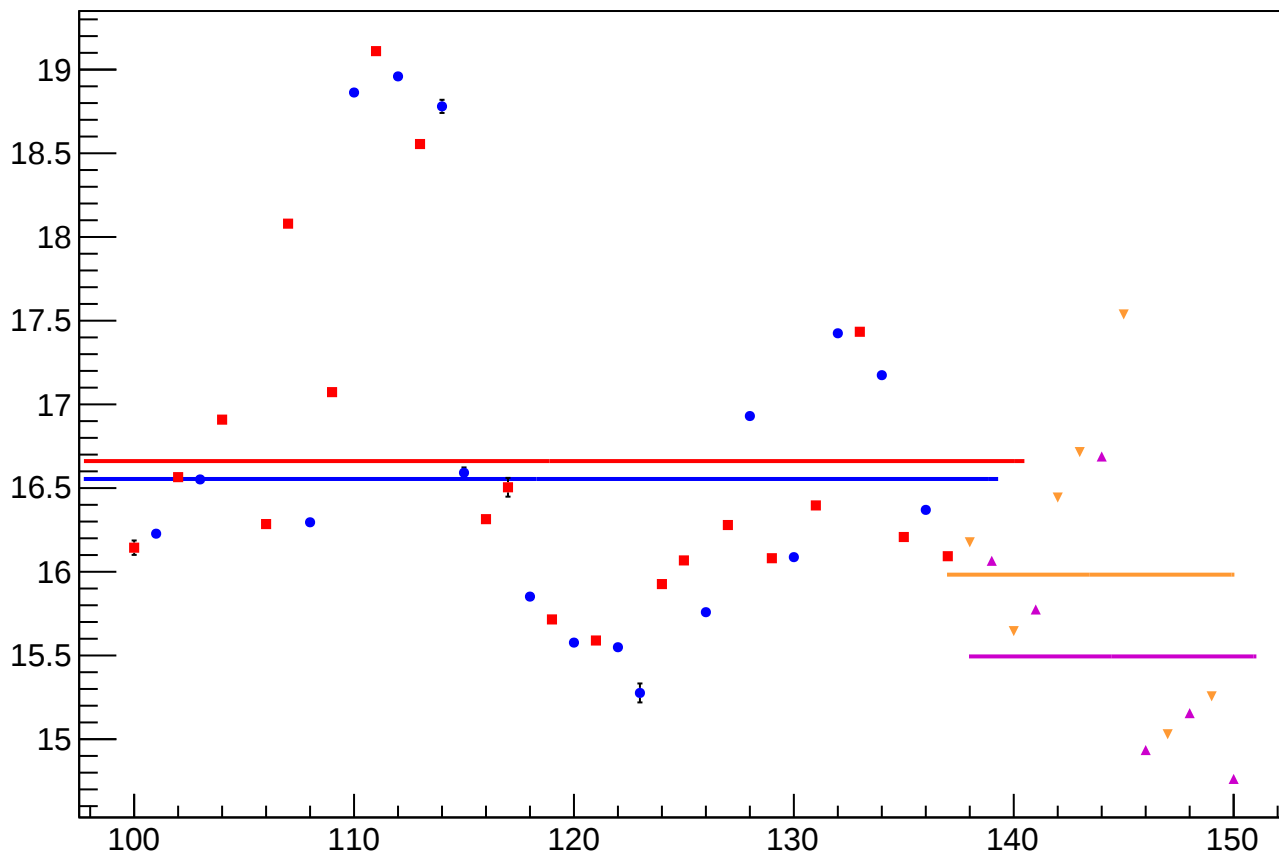
Left In: 1.309 $\pm$ 7.033 χ^2 /NDF: 7.8/5

1.468 $\pm$ 4.772 χ^2 /NDF: 9.6/23

2.102 $\pm$ 3.334 χ^2 /NDF: 37.7/49

2.706 $\pm$ 4.661 χ^2 /NDF: 28.0/25

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 15.983 ± 0.005 χ^2/NDF : 26163.5/6

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

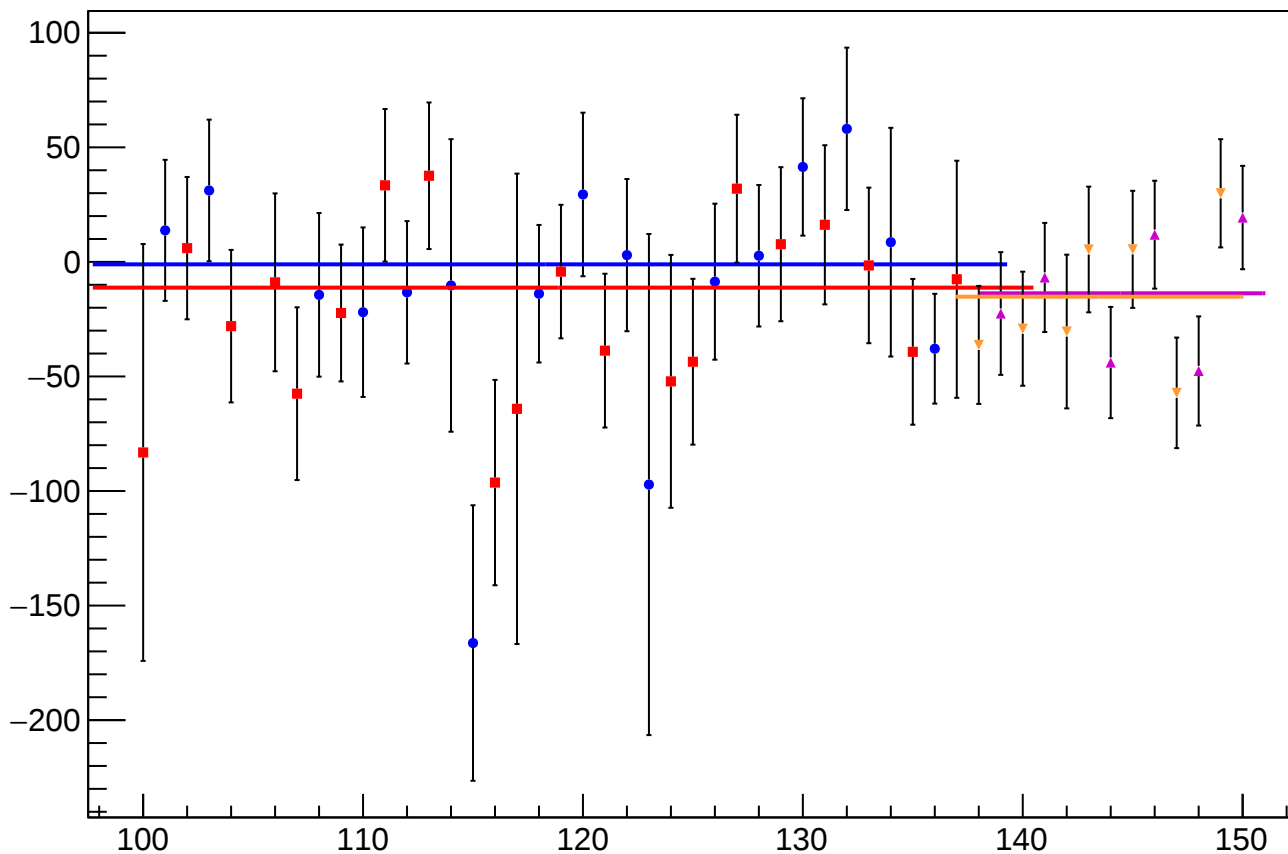
Left In: 15.494 ± 0.005 χ^2/NDF : 18346.8/5

16.302 ± 0.003 χ^2/NDF : 77715.5/23

16.223 ± 0.002 χ^2/NDF : 171065.1/49

16.149 ± 0.003 χ^2/NDF : 92297.9/25

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: -15.185 ± 9.815 $\chi^2/\text{NDF}: 9.1/6$

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

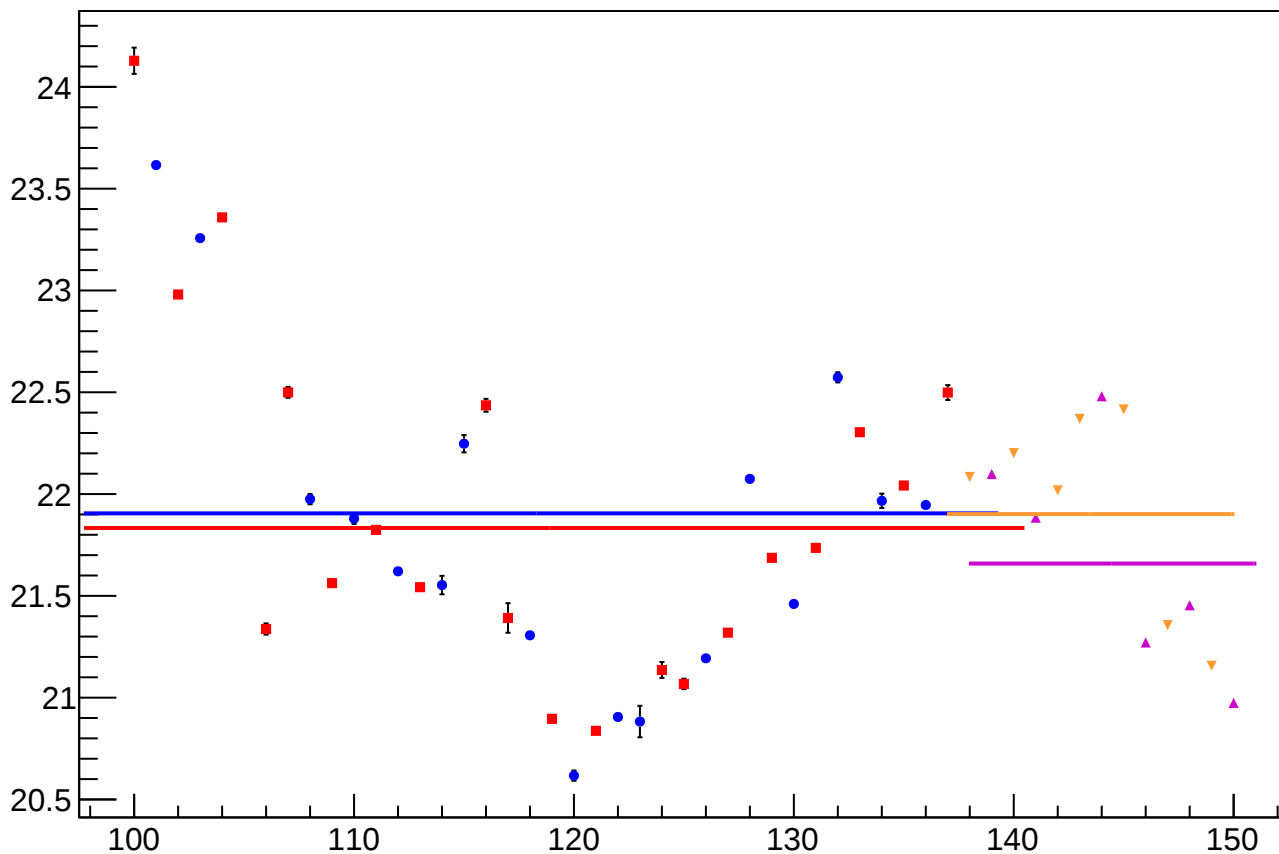
Left In: -13.705 ± 9.813 $\chi^2/\text{NDF}: 7.1/5$

-7.073 ± 6.401 $\chi^2/\text{NDF}: 28.7/23$

-9.713 ± 4.478 $\chi^2/\text{NDF}: 52.7/49$

-12.242 ± 6.266 $\chi^2/\text{NDF}: 23.6/25$

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: 21.902+/-0.007 χ^2/NDF : 4817.1/6

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

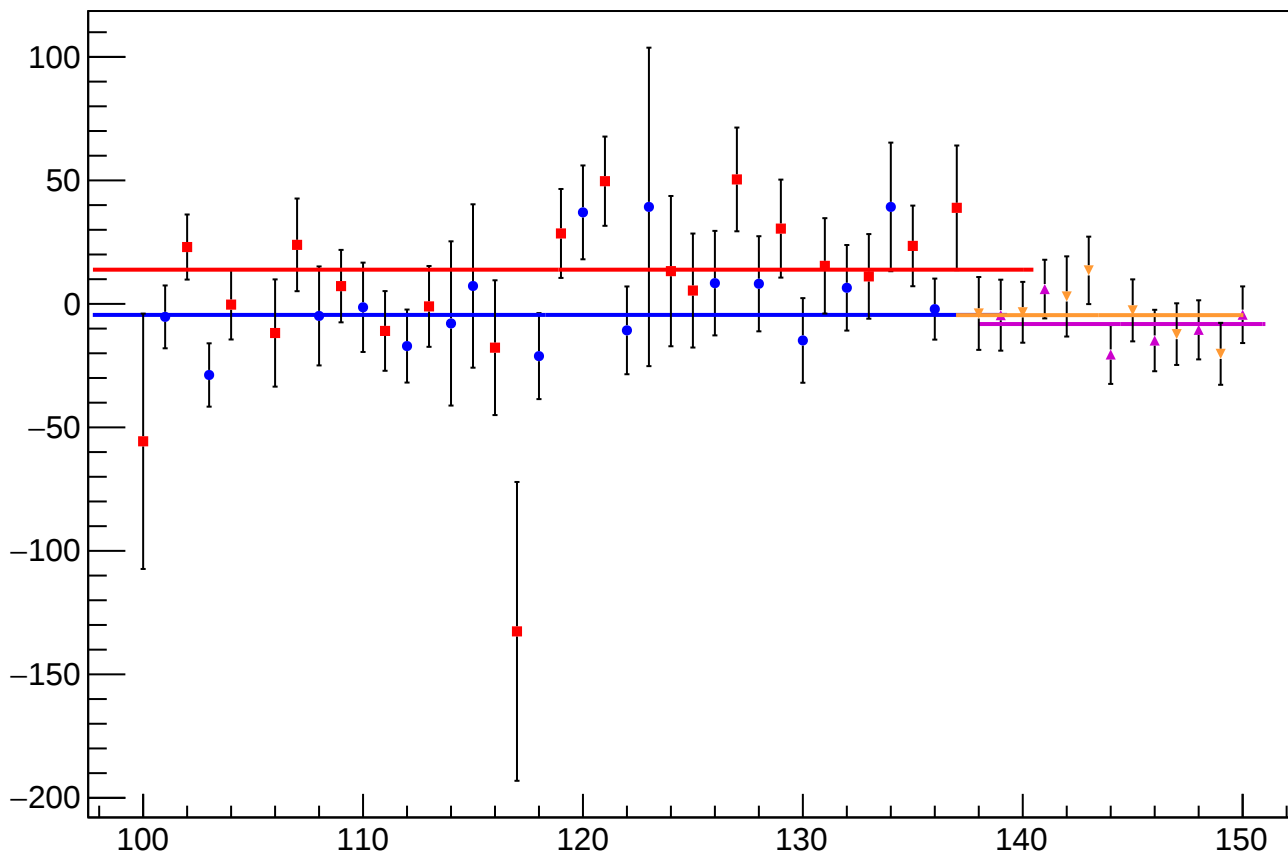
Left In: 21.659+/-0.007 χ^2/NDF : 5541.4/5

21.904+/-0.005 χ^2/NDF : 22611.5/23

21.831+/-0.003 χ^2/NDF : 45316.4/49

21.762+/-0.004 χ^2/NDF : 22205.7/25

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: -4.554 ± 5.034 χ^2/NDF : 4.0/6

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

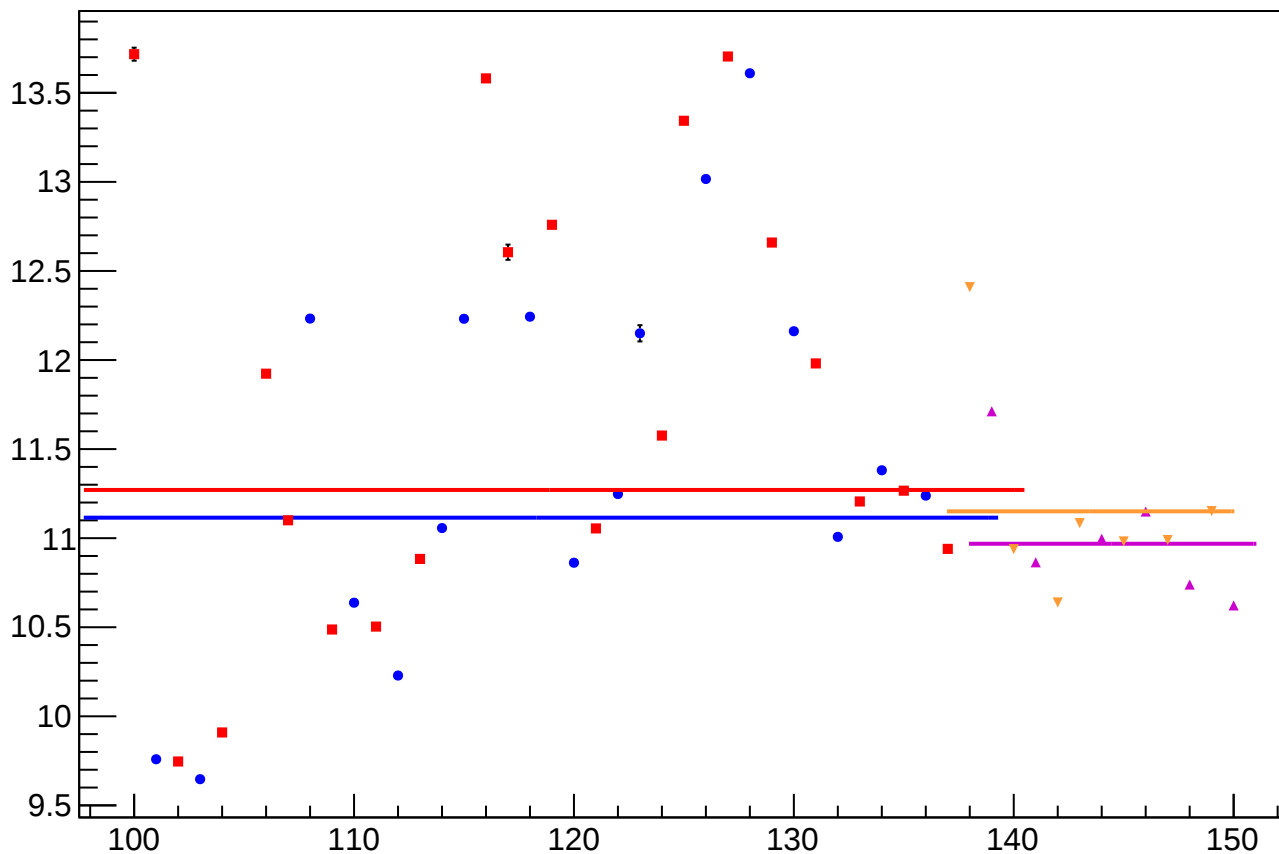
Left In: -8.154 ± 4.998 χ^2/NDF : 3.0/5

-4.500 ± 3.282 χ^2/NDF : 19.1/23

0.114 ± 2.305 χ^2/NDF : 62.7/49

4.607 ± 3.239 χ^2/NDF : 39.6/25

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 11.151 $\pm$ 0.004 χ^2 /NDF:17881.6/6

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

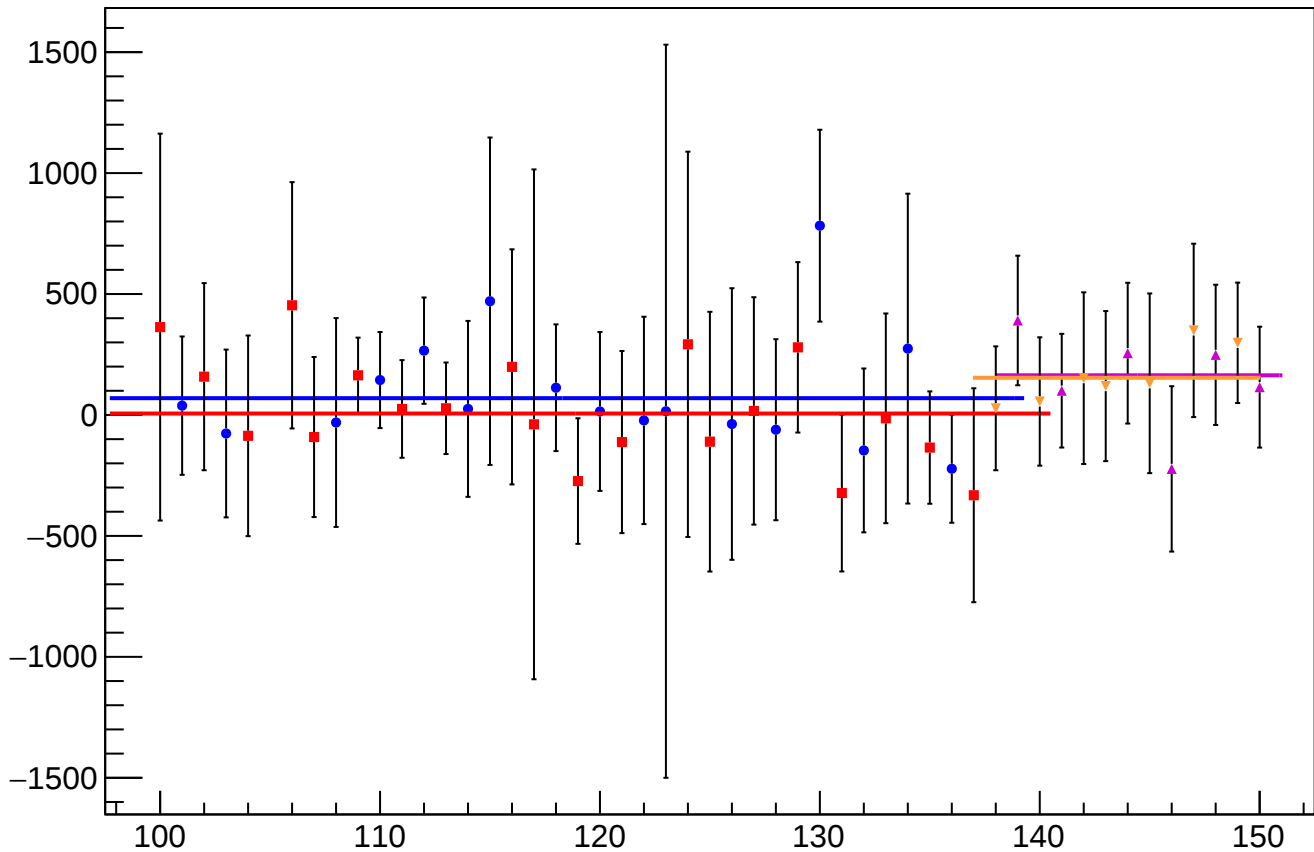
Left In: 10.969 $\pm$ 0.004 χ^2 /NDF:8500.3/5

11.130 $\pm$ 0.002 χ^2 /NDF: 150998.2/23

11.137 $\pm$ 0.002 χ^2 /NDF: 312213.0/49

11.144 $\pm$ 0.002 χ^2 /NDF: 161197.5/25

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: 153.848+/-112.541 χ^2/NDF : 1.0/6

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

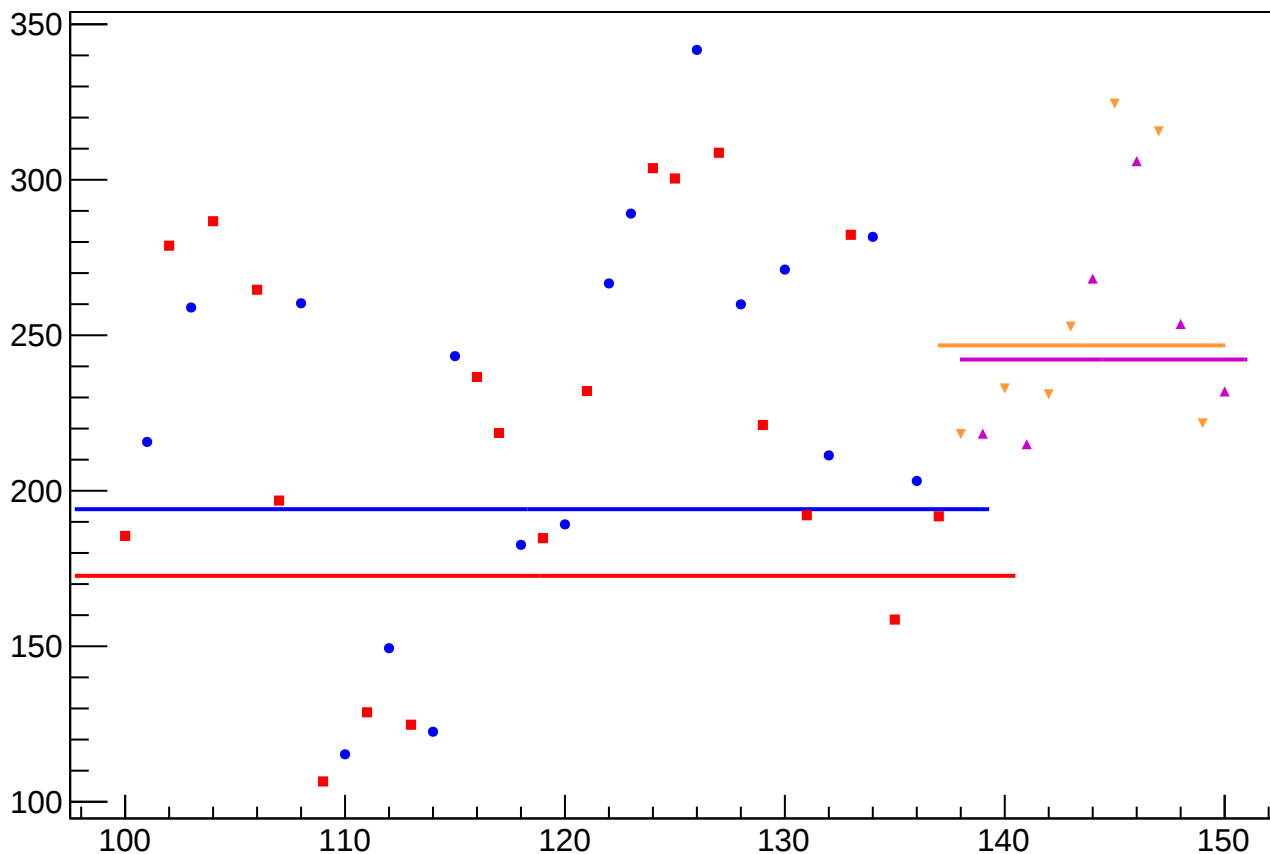
Left In: 164.013+/-111.581 χ^2/NDF : 2.3/5

97.432+/-64.786 χ^2/NDF : 8.7/23

71.981+/-43.748 χ^2/NDF : 19.2/49

50.647+/-59.314 χ^2/NDF : 10.2/25

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.082 $\pm$ 0.056 χ^2 /NDF: 1005395.7/16

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

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

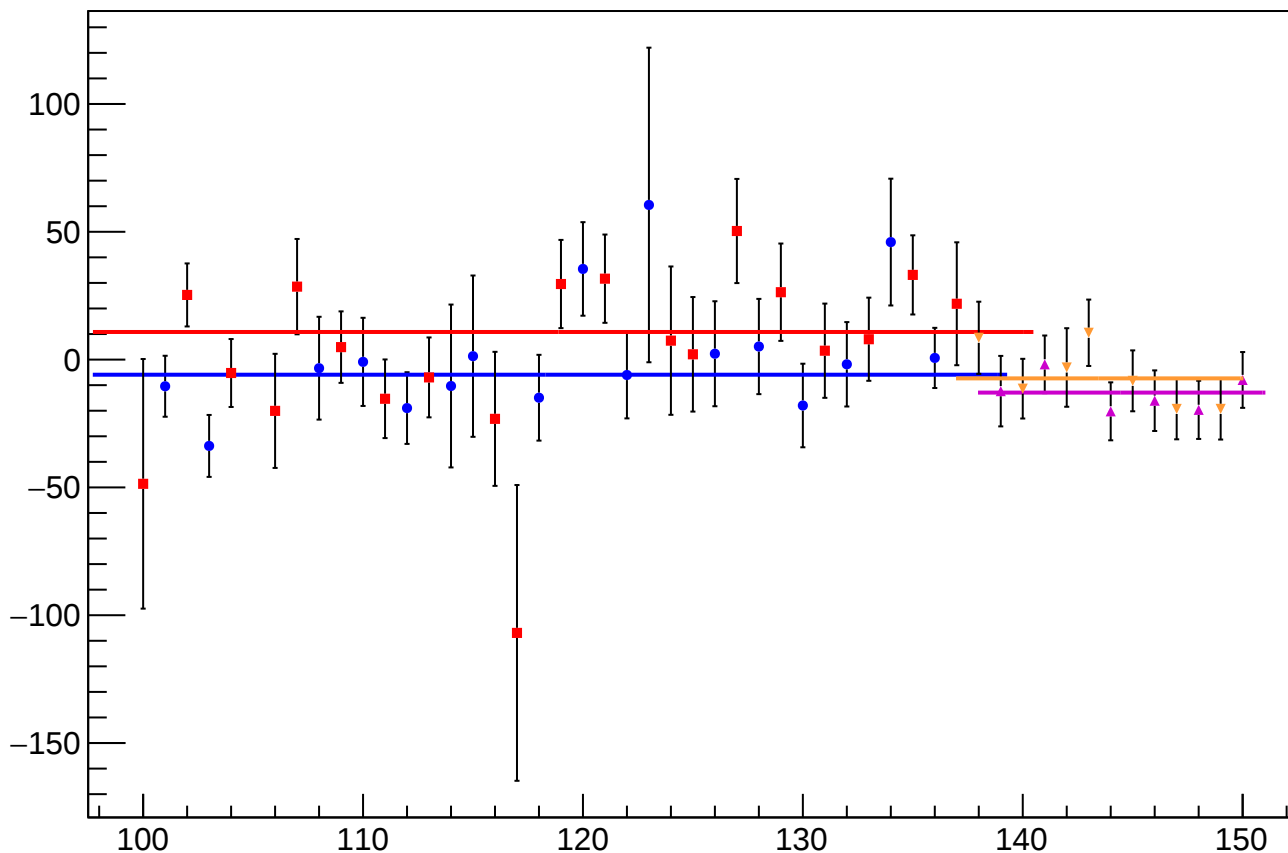
Left In: 242.208 $\pm$ 0.079 χ^2 /NDF:134781.2/5

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

201.077 $\pm$ 0.031 χ^2 /NDF: 3876302.1/49

192.309 $\pm$ 0.042 χ^2 /NDF: 2265565.5/25

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: -7.346 ± 4.790 χ^2/NDF : 5.4/6

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

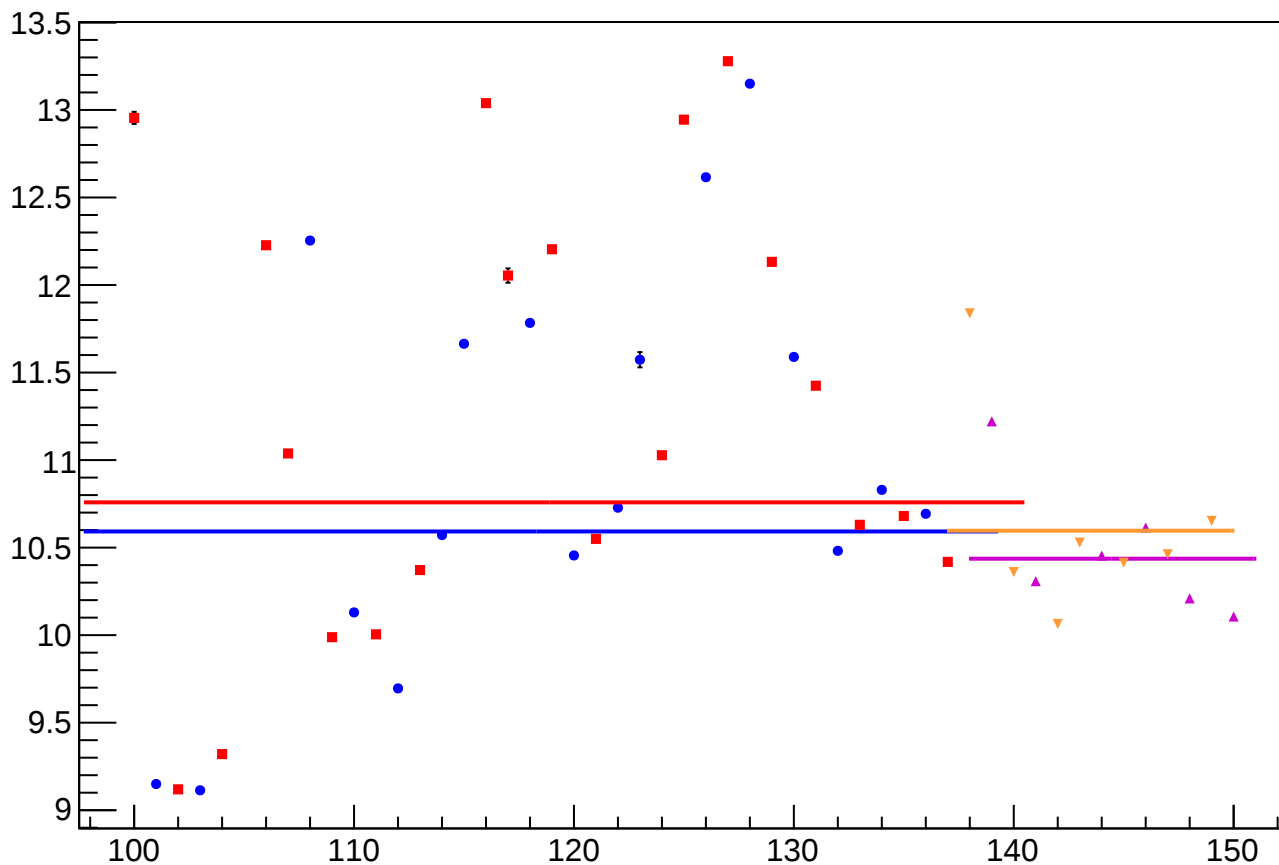
Left In: -12.909 ± 4.760 χ^2/NDF : 2.0/5

-6.524 ± 3.129 χ^2/NDF : 24.2/23

-2.821 ± 2.200 χ^2/NDF : 70.4/49

0.796 ± 3.093 χ^2/NDF : 43.4/25

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



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

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

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

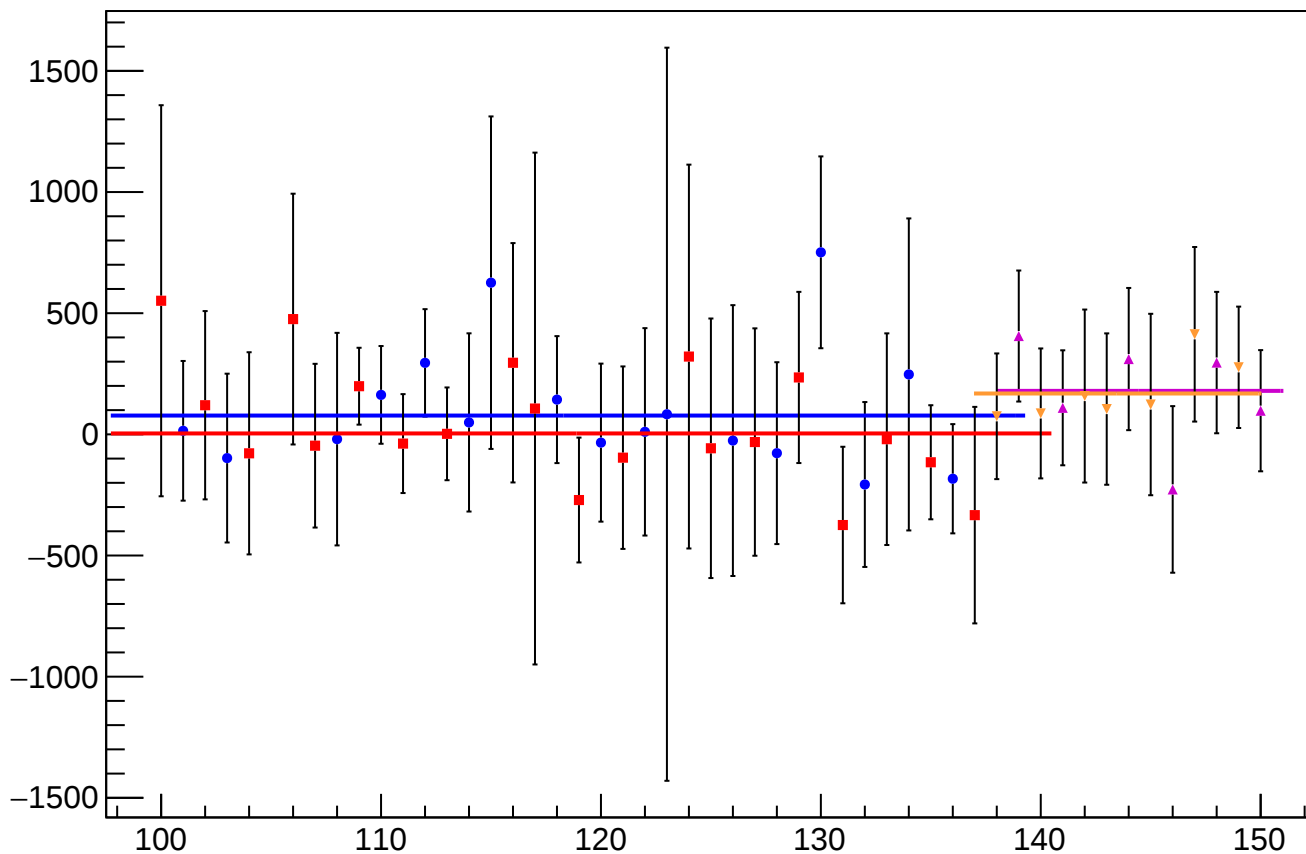
Left In: 10.437 $\pm$ 0.003 χ^2/NDF : 9815.3/5

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

10.609 $\pm$ 0.002 χ^2/NDF : 373008.4/49

10.623 $\pm$ 0.002 χ^2/NDF : 192999.4/25

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: 168.601+/-113.480 χ^2/NDF : 0.9/6

Right Out: 3.768+/-70.696 χ^2/NDF : 7.4/19

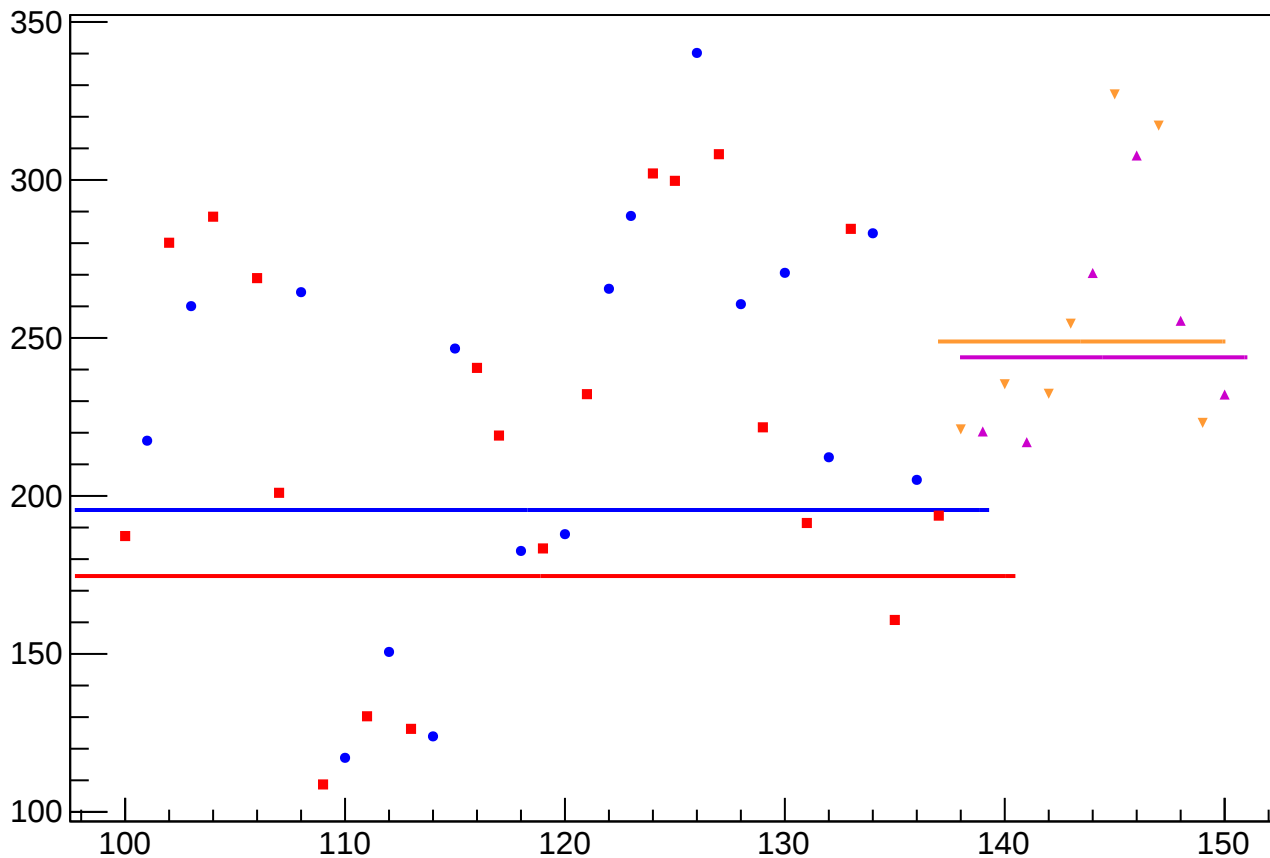
Left In: 179.460+/-112.324 χ^2/NDF : 2.7/5

107.678+/-65.249 χ^2/NDF : 8.9/23

78.311+/-44.098 χ^2/NDF : 21.1/49

53.618+/-59.832 χ^2/NDF : 11.8/25

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.551 $\pm$ 0.056 χ^2 /NDF: 979937.7/16

Left Out: 248.879 $\pm$ 0.080 χ^2 /NDF: 213400.8/6

Right Out: 174.649 $\pm$ 0.050 χ^2 /NDF: 1532189.1/19

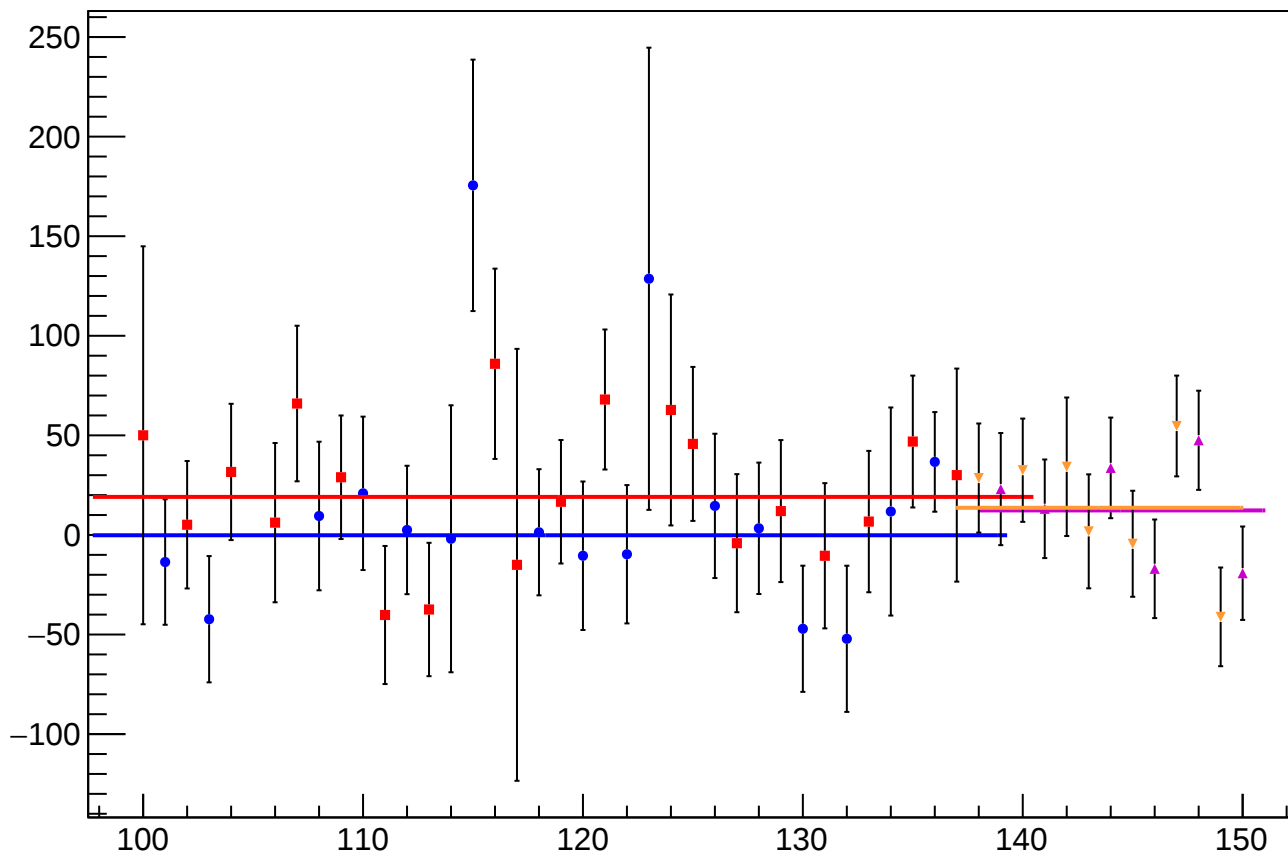
Left In: 243.873 $\pm$ 0.079 χ^2 /NDF: 133854.5/5

213.182 $\pm$ 0.046 χ^2 /NDF: 1488993.3/23

202.919 $\pm$ 0.031 χ^2 /NDF: 3790194.6/49

194.291 $\pm$ 0.042 χ^2 /NDF: 2210131.7/25

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.158 $\pm$ 8.826 χ^2/NDF : 18.1/16

Left Out: 13.640 $\pm$ 10.276 χ^2/NDF : 9.3/6

Right Out: 19.104 $\pm$ 8.527 χ^2/NDF : 14.9/19

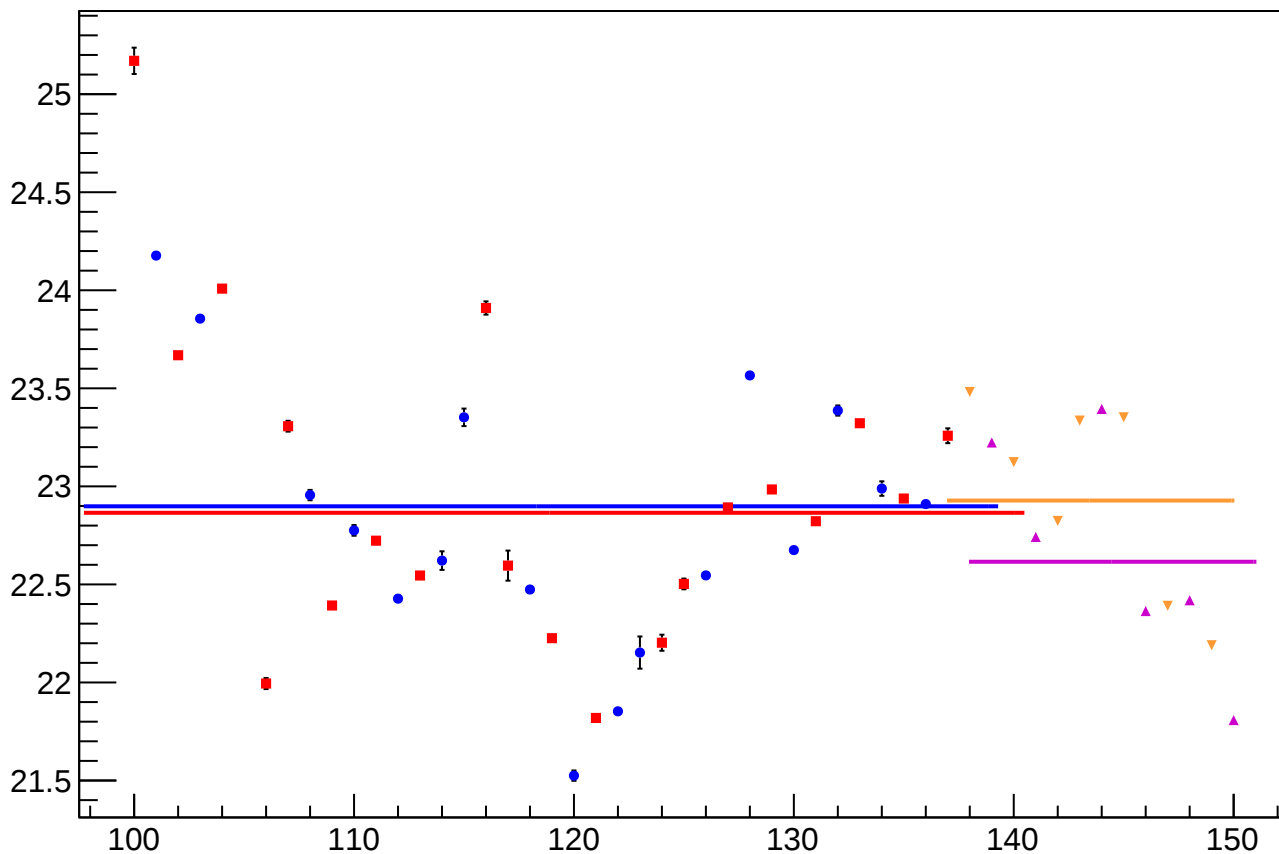
Left In: 12.312 $\pm$ 10.246 χ^2/NDF : 6.1/5

5.700 $\pm$ 6.695 χ^2/NDF : 28.4/23

11.125 $\pm$ 4.684 χ^2/NDF : 50.9/49

16.325 $\pm$ 6.554 χ^2/NDF : 21.2/25

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.898 ± 0.006 $\chi^2/\text{NDF}: 12143.3/16$

Left Out: 22.928 ± 0.007 $\chi^2/\text{NDF}: 4538.1/6$

Right Out: 22.865 ± 0.006 $\chi^2/\text{NDF}: 11060.8/19$

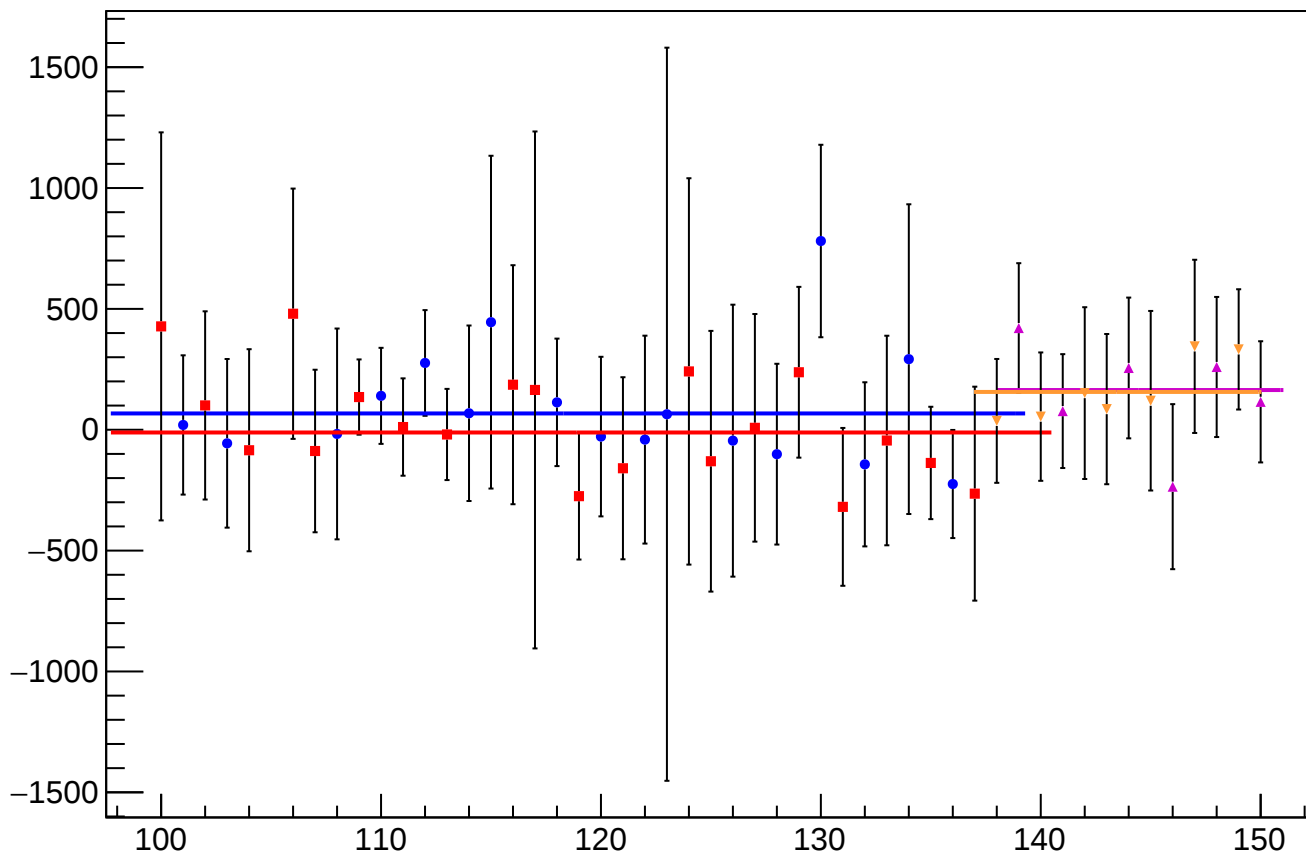
Left In: 22.616 ± 0.007 $\chi^2/\text{NDF}: 5590.7/5$

22.911 ± 0.005 $\chi^2/\text{NDF}: 16690.8/23$

22.835 ± 0.003 $\chi^2/\text{NDF}: 34541.0/49$

22.763 ± 0.005 $\chi^2/\text{NDF}: 17353.4/25$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.449+/-79.404 χ^2/NDF : 7.4/16

Left Out: 156.427+/-112.590 χ^2/NDF : 1.2/6

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

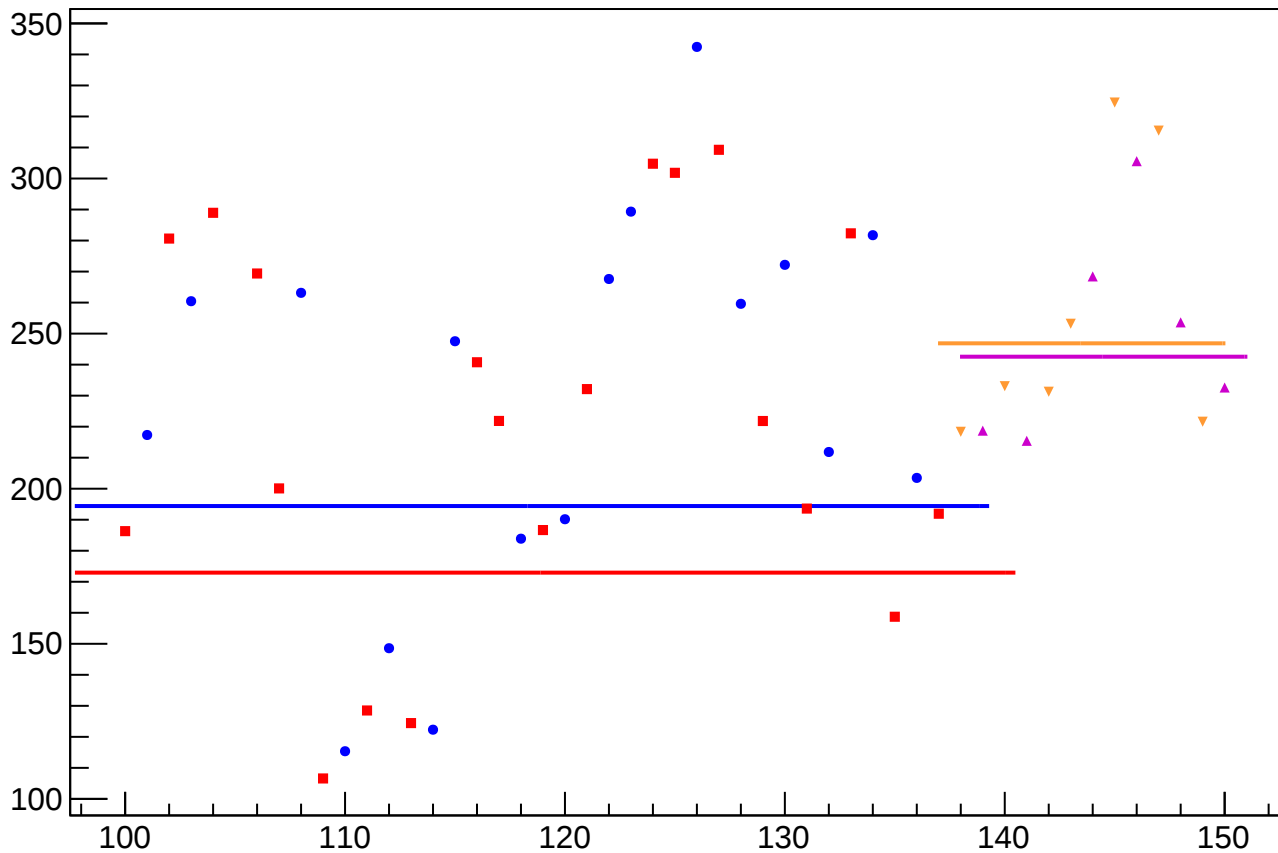
Left In: 164.251+/-111.724 χ^2/NDF : 2.7/5

97.004+/-64.890 χ^2/NDF : 9.0/23

65.114+/-43.832 χ^2/NDF : 19.7/49

38.354+/-59.442 χ^2/NDF : 10.2/25

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.411 $\pm$ 0.056 χ^2/NDF : 1019913.2/16

Left Out: 246.868 $\pm$ 0.080 χ^2/NDF : 216155.2/6

Right Out: 172.942 $\pm$ 0.050 χ^2/NDF : 1600959.1/19

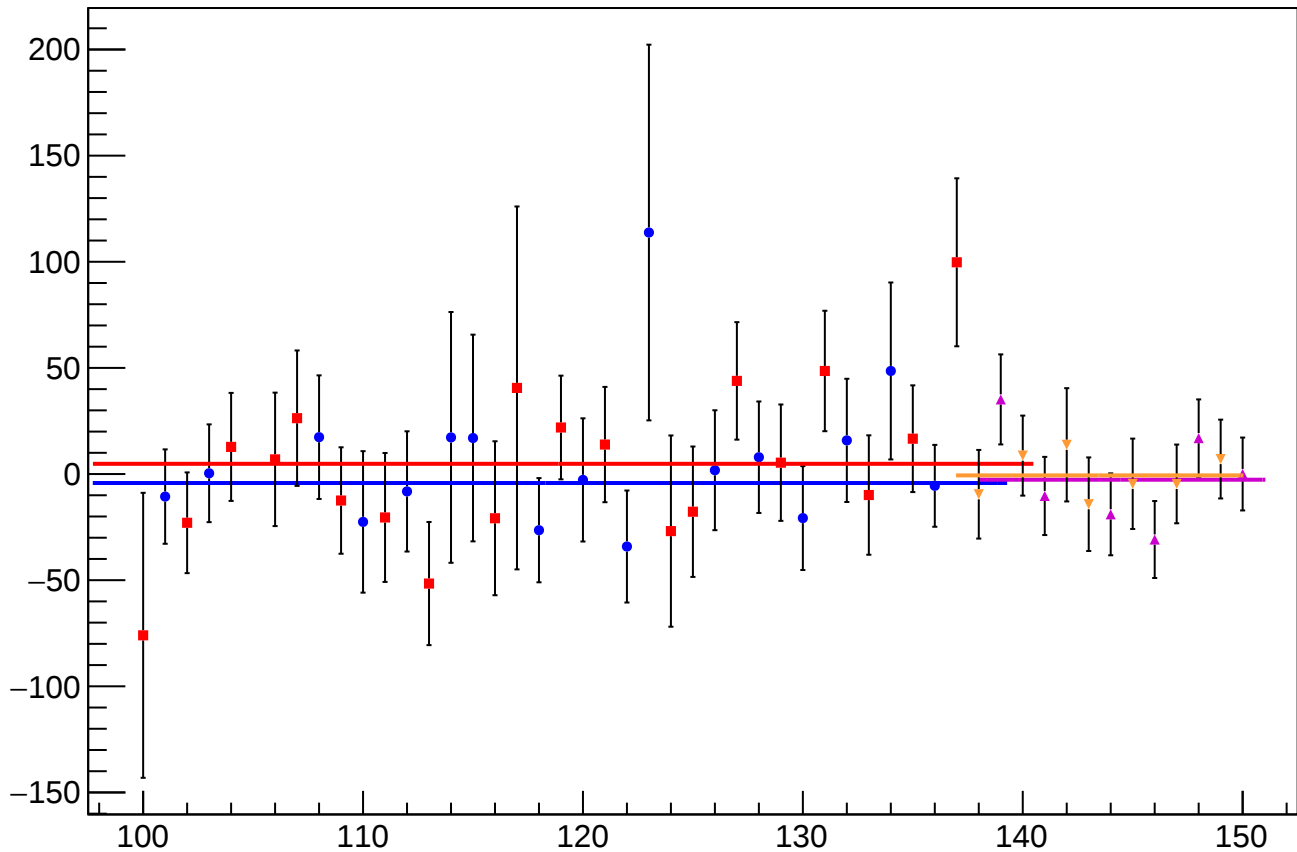
Left In: 242.558 $\pm$ 0.079 χ^2/NDF : 132352.2/5

211.835 $\pm$ 0.046 χ^2/NDF : 1526008.5/23

201.403 $\pm$ 0.031 χ^2/NDF : 3911109.4/49

192.648 $\pm$ 0.042 χ^2/NDF : 2290027.0/25

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: -0.632 ± 7.765 χ^2/NDF : 1.4/6

Right Out: 4.820 ± 6.704 χ^2/NDF : 21.3/19

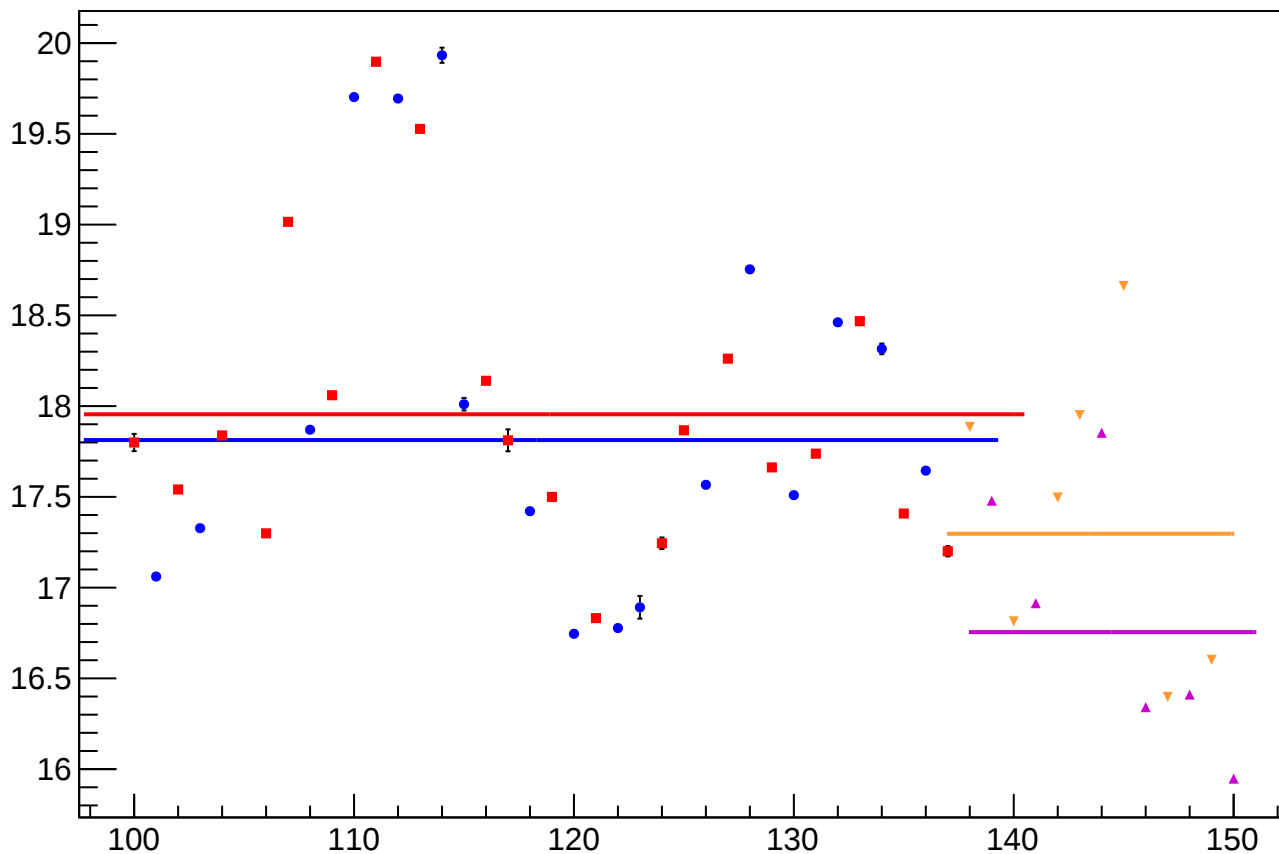
Left In: -2.671 ± 7.603 χ^2/NDF : 7.7/5

-2.646 ± 5.146 χ^2/NDF : 9.5/23

-0.503 ± 3.596 χ^2/NDF : 39.3/49

1.544 ± 5.029 χ^2/NDF : 29.5/25

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.813 $\pm$ 0.005 χ^2/NDF : 32034.8/16

Left Out: 17.297 $\pm$ 0.005 χ^2/NDF : 20488.9/6

Right Out: 17.955 $\pm$ 0.005 χ^2/NDF : 25451.0/19

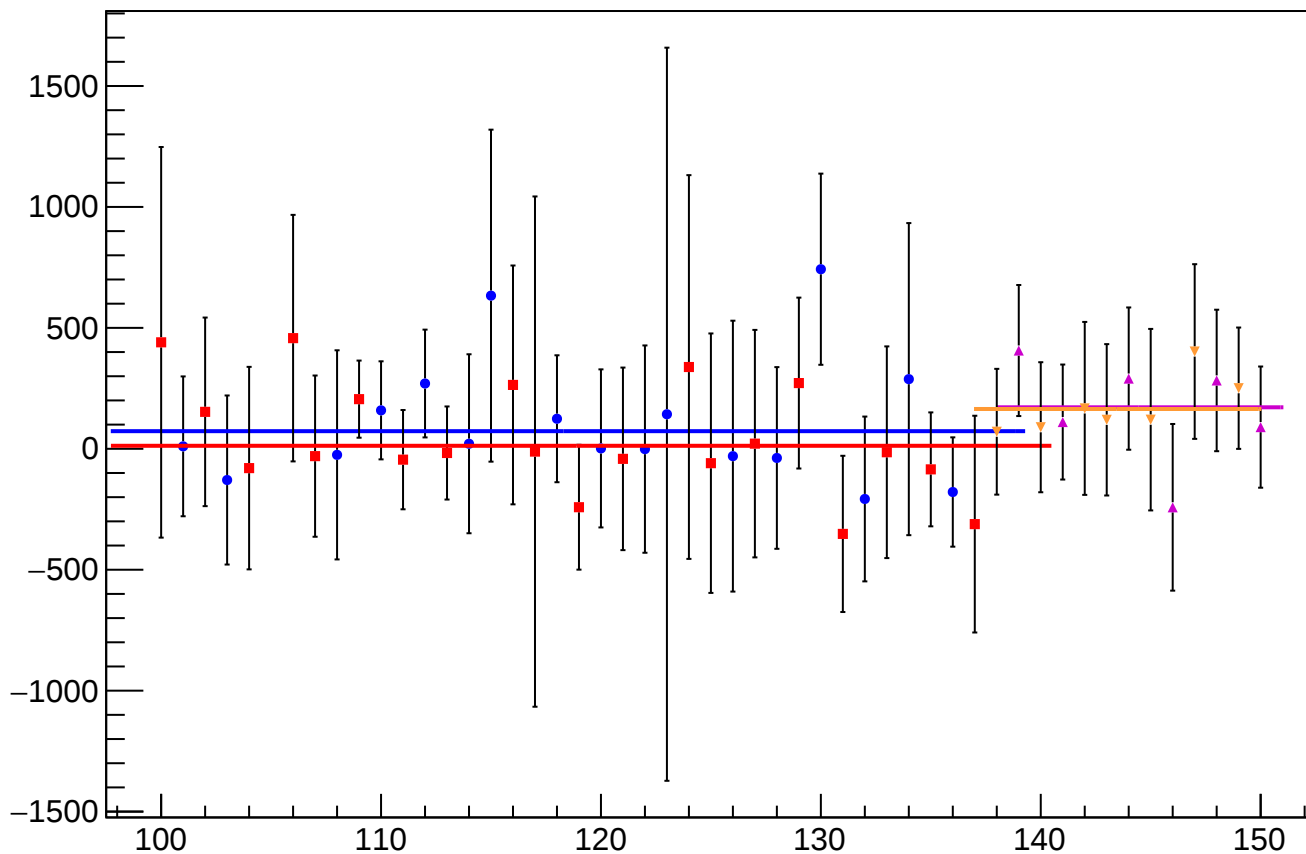
Left In: 16.755 $\pm$ 0.005 χ^2/NDF : 15132.3/5

17.586 $\pm$ 0.004 χ^2/NDF : 57481.0/23

17.506 $\pm$ 0.003 χ^2/NDF : 127037.2/49

17.430 $\pm$ 0.004 χ^2/NDF : 68614.4/25

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 72.888+/-79.948 χ^2/NDF : 7.2/16

Left Out: 164.612+/-113.719 χ^2/NDF : 0.8/6

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

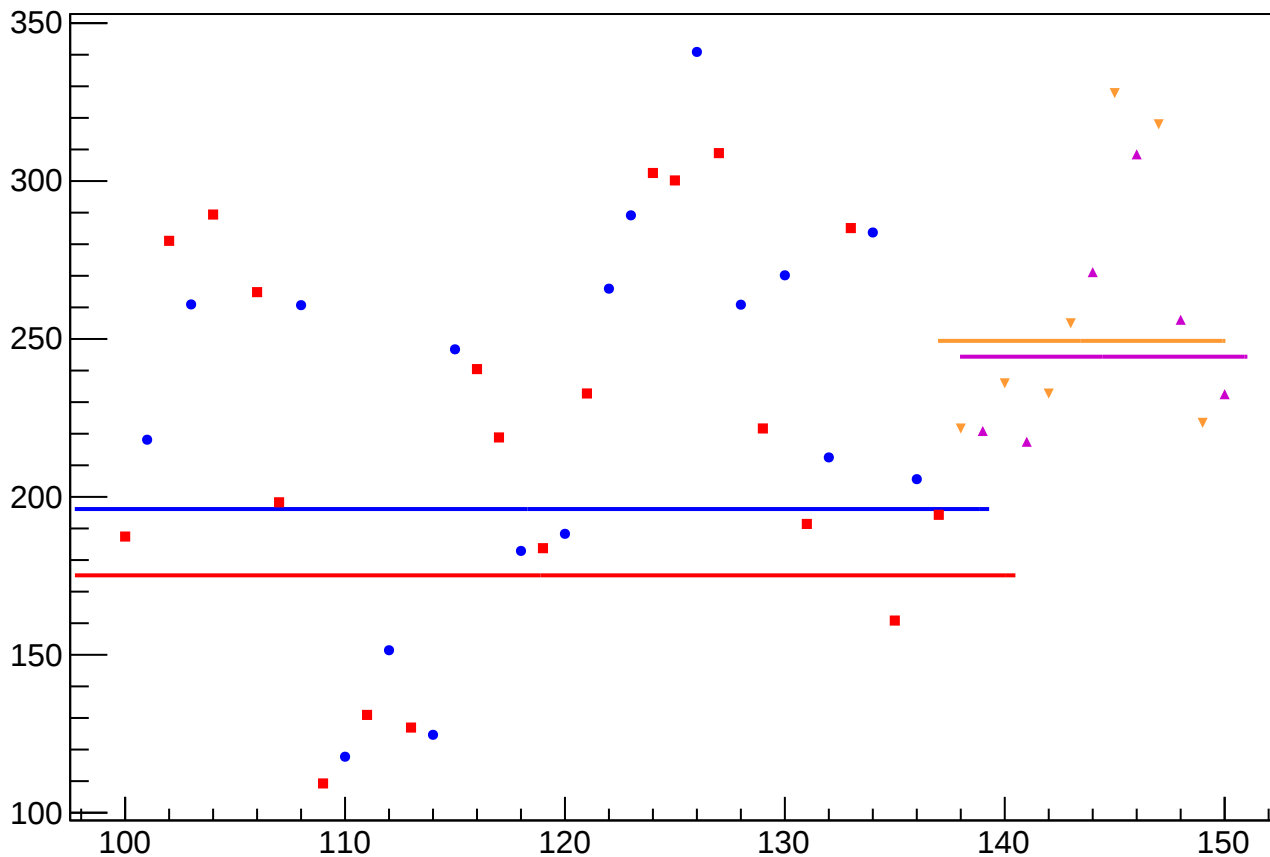
Left In: 171.591+/-112.563 χ^2/NDF : 2.7/5

103.228+/-65.403 χ^2/NDF : 8.4/23

78.445+/-44.198 χ^2/NDF : 19.6/49

57.614+/-59.963 χ^2/NDF : 10.8/25

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.151 $\pm$ 0.057 χ^2 /NDF: 964998.4/16

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

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

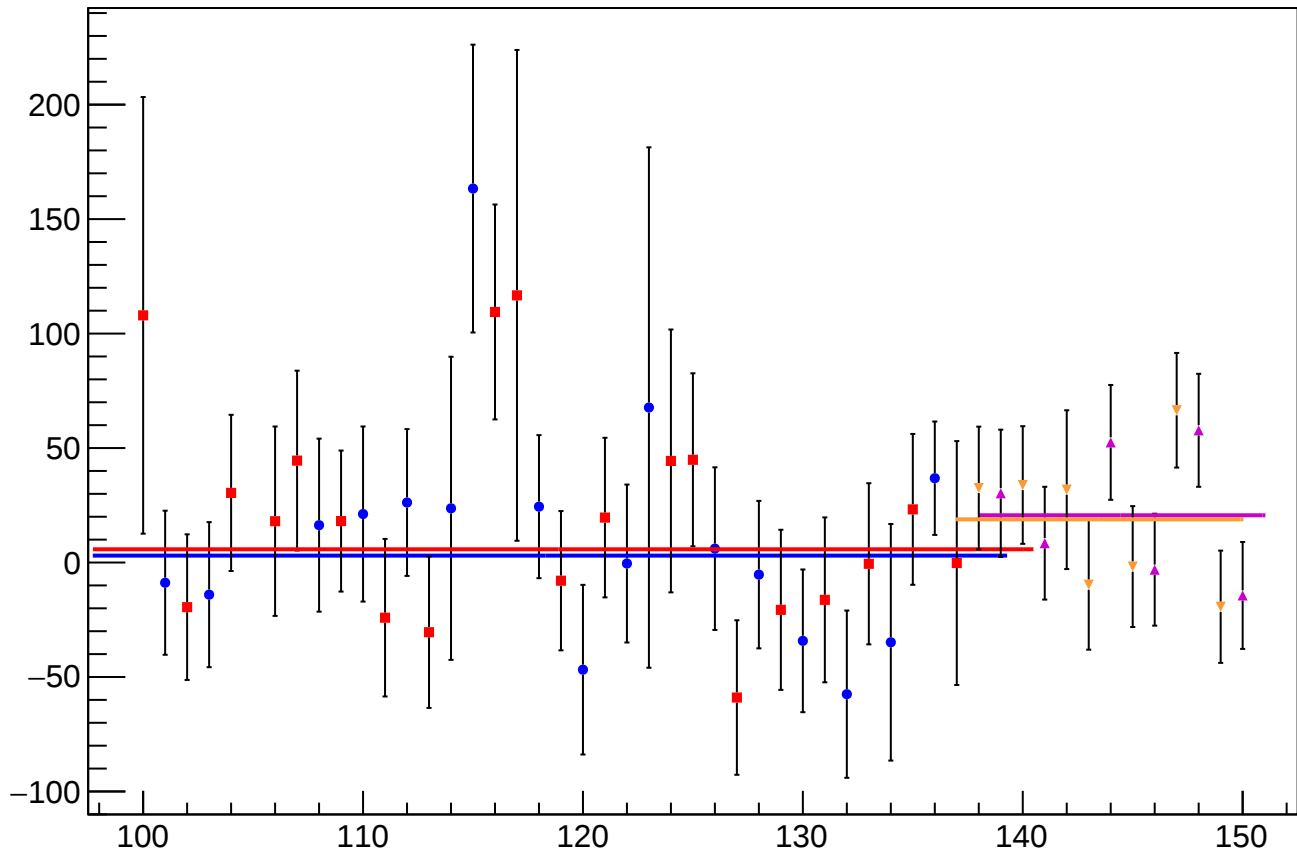
Left In: 244.389 $\pm$ 0.080 χ^2 /NDF: 134172.9/5

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

203.465 $\pm$ 0.031 χ^2 /NDF: 3753821.7/49

194.807 $\pm$ 0.042 χ^2 /NDF: 2190362.7/25

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: 18.869 ± 10.168 $\chi^2/\text{NDF}: 8.4/6$

Right Out: 5.786 ± 8.451 $\chi^2/\text{NDF}: 18.3/19$

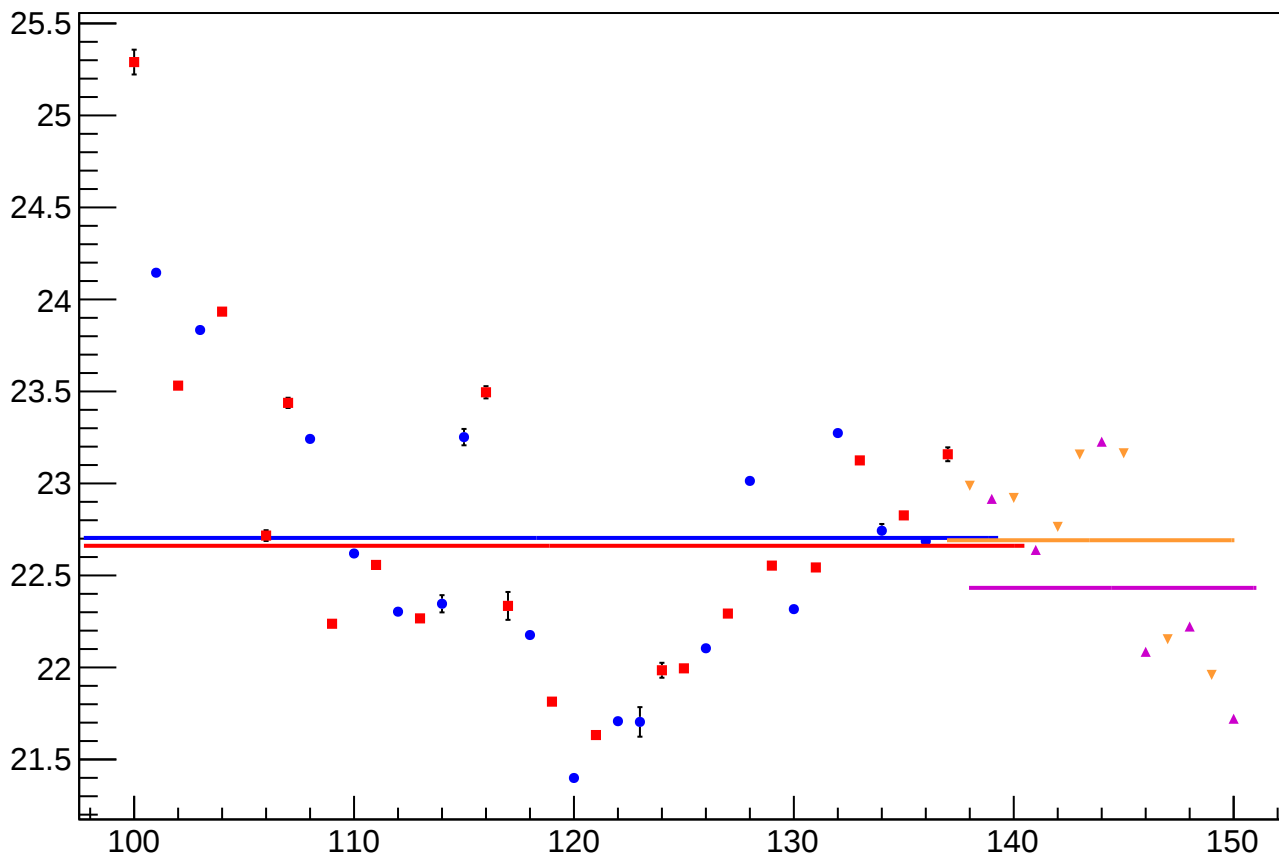
Left In: 20.638 ± 10.163 $\chi^2/\text{NDF}: 7.4/5$

9.765 ± 6.633 $\chi^2/\text{NDF}: 27.0/23$

10.833 ± 4.642 $\chi^2/\text{NDF}: 54.0/49$

11.858 ± 6.498 $\chi^2/\text{NDF}: 27.0/25$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.704 $\pm$ 0.006 χ^2 /NDF: 14105.8/16

Left Out: 22.691 $\pm$ 0.007 χ^2 /NDF: 4297.1/6

Right Out: 22.661 $\pm$ 0.006 χ^2 /NDF: 12962.1/19

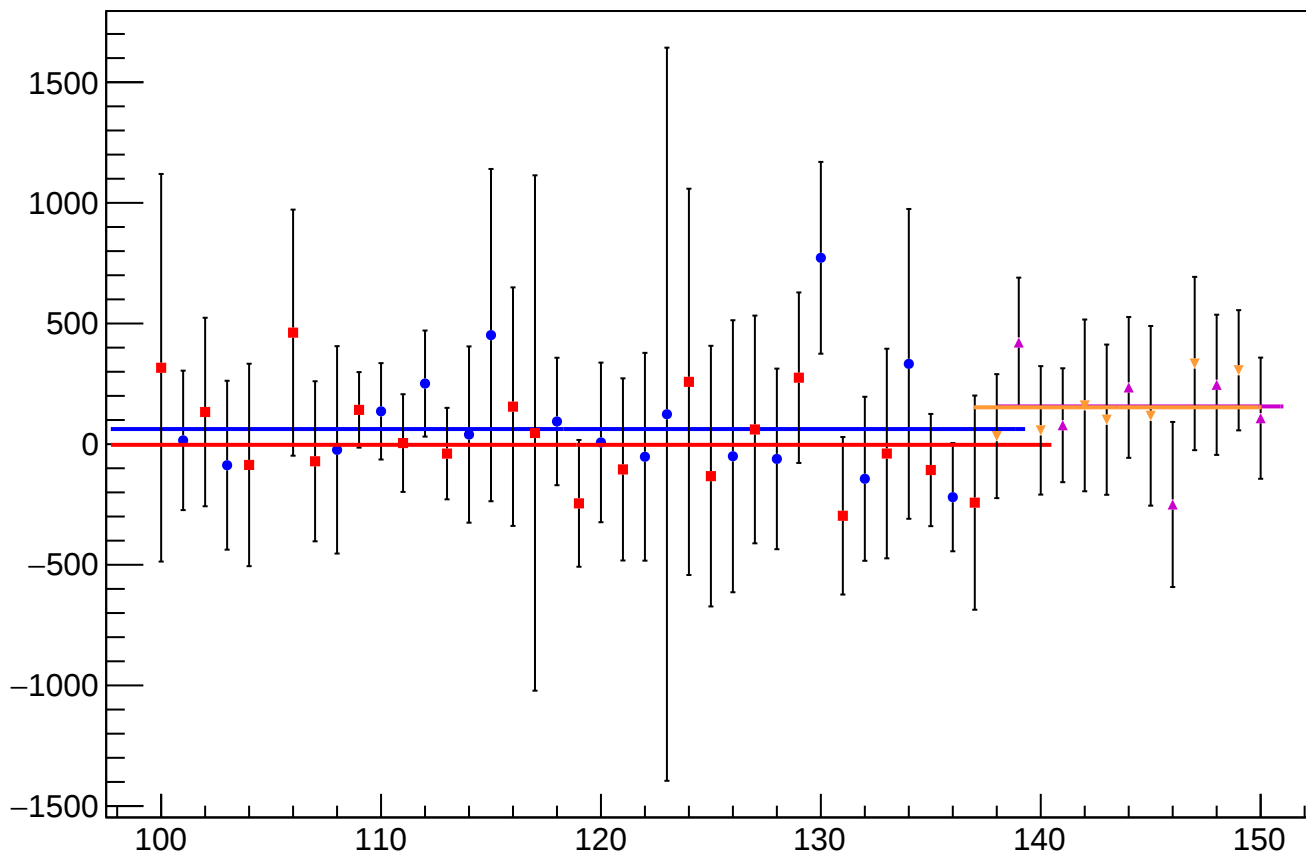
Left In: 22.432 $\pm$ 0.007 χ^2 /NDF: 5156.5/5

22.699 $\pm$ 0.005 χ^2 /NDF: 18404.7/23

22.632 $\pm$ 0.003 χ^2 /NDF: 37519.2/49

22.568 $\pm$ 0.005 χ^2 /NDF: 18717.2/25

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 62.573+/-79.605 χ^2/NDF : 7.0/16

Left Out: 152.668+/-112.829 χ^2/NDF : 1.0/6

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

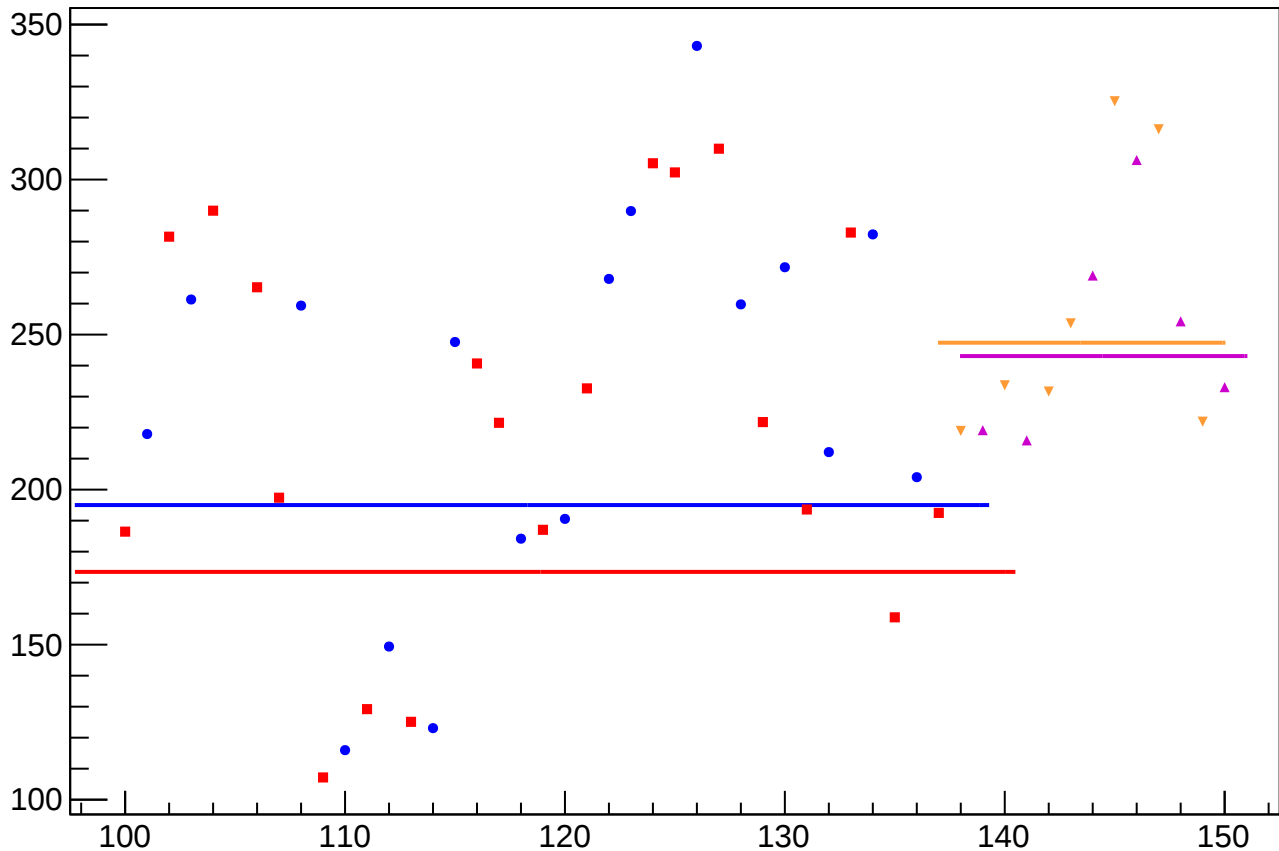
Left In: 156.390+/-111.963 χ^2/NDF : 2.7/5

92.516+/-65.045 χ^2/NDF : 8.5/23

65.183+/-43.933 χ^2/NDF : 18.2/49

42.254+/-59.576 χ^2/NDF : 9.4/25

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.022+/-0.056 χ^2/NDF : 1004284.9/16

Left Out: 247.390+/-0.080 χ^2/NDF : 216435.7/6

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

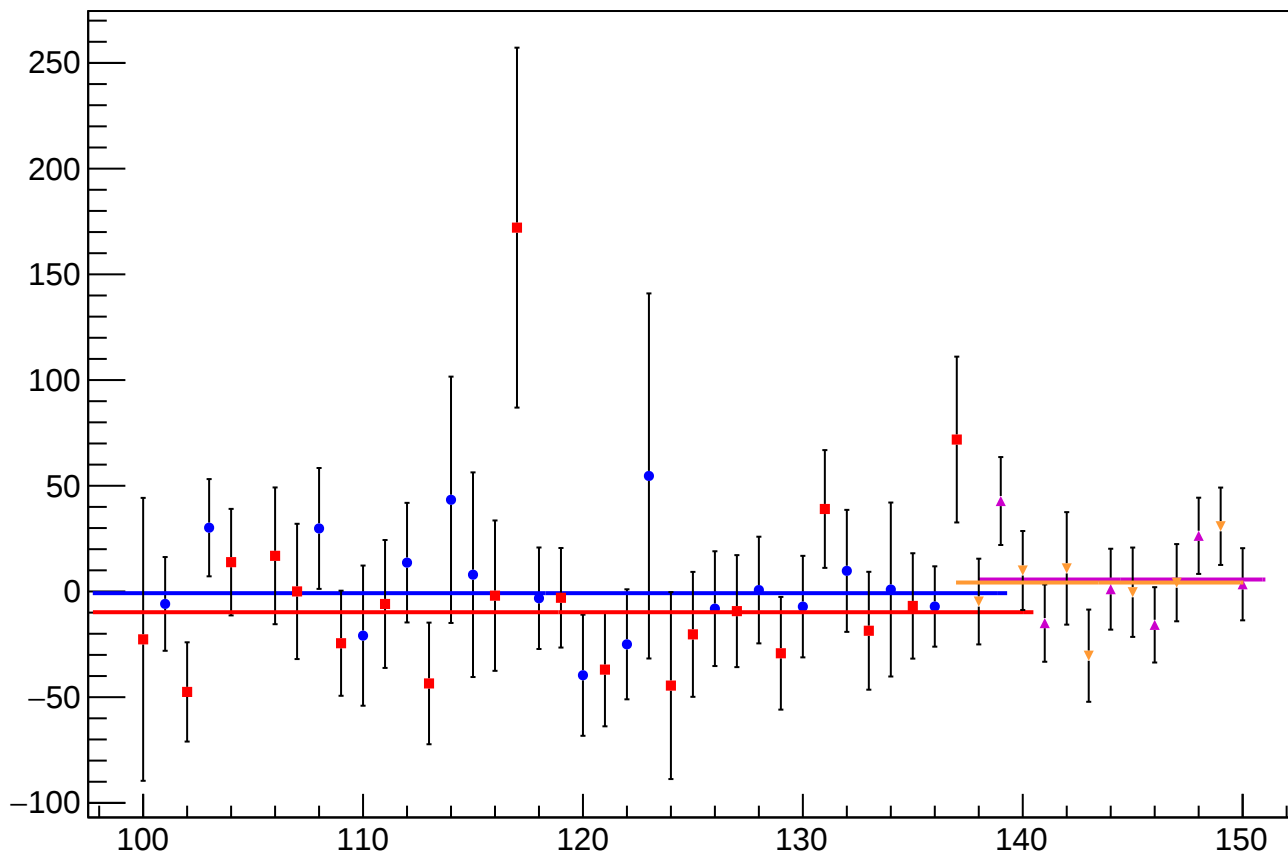
Left In: 243.076+/-0.079 χ^2/NDF : 132658.4/5

212.426+/-0.046 χ^2/NDF : 1508372.4/23

201.959+/-0.031 χ^2/NDF : 3872645.4/49

193.179+/-0.042 χ^2/NDF : 2269043.0/25

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: 4.234 ± 7.661 χ^2/NDF : 5.0/6

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

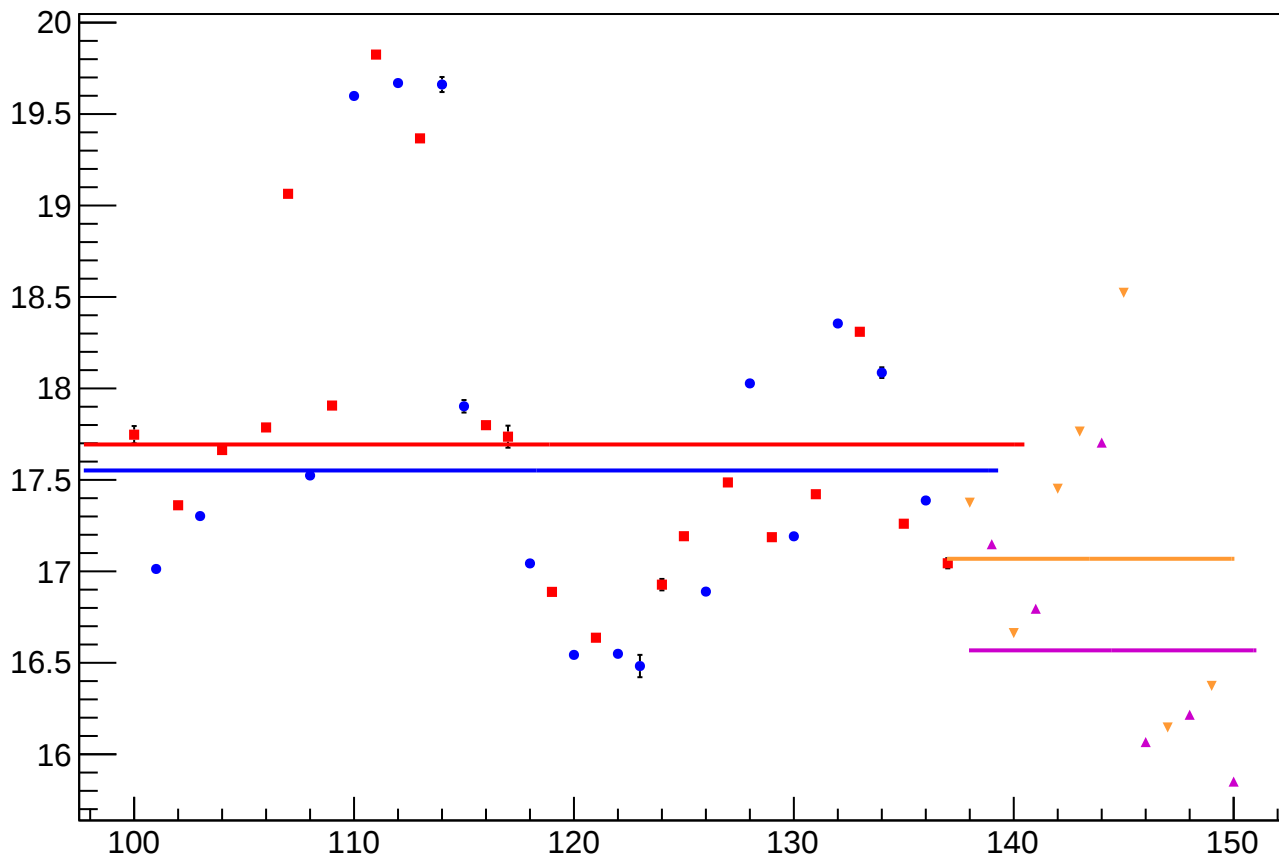
Left In: 5.659 ± 7.517 χ^2/NDF : 7.3/5

1.407 ± 5.073 χ^2/NDF : 13.0/23

-0.880 ± 3.547 χ^2/NDF : 43.7/49

-3.069 ± 4.962 χ^2/NDF : 30.2/25

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: 17.069 $\pm$ 0.005 χ^2 /NDF:21307.6/6

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

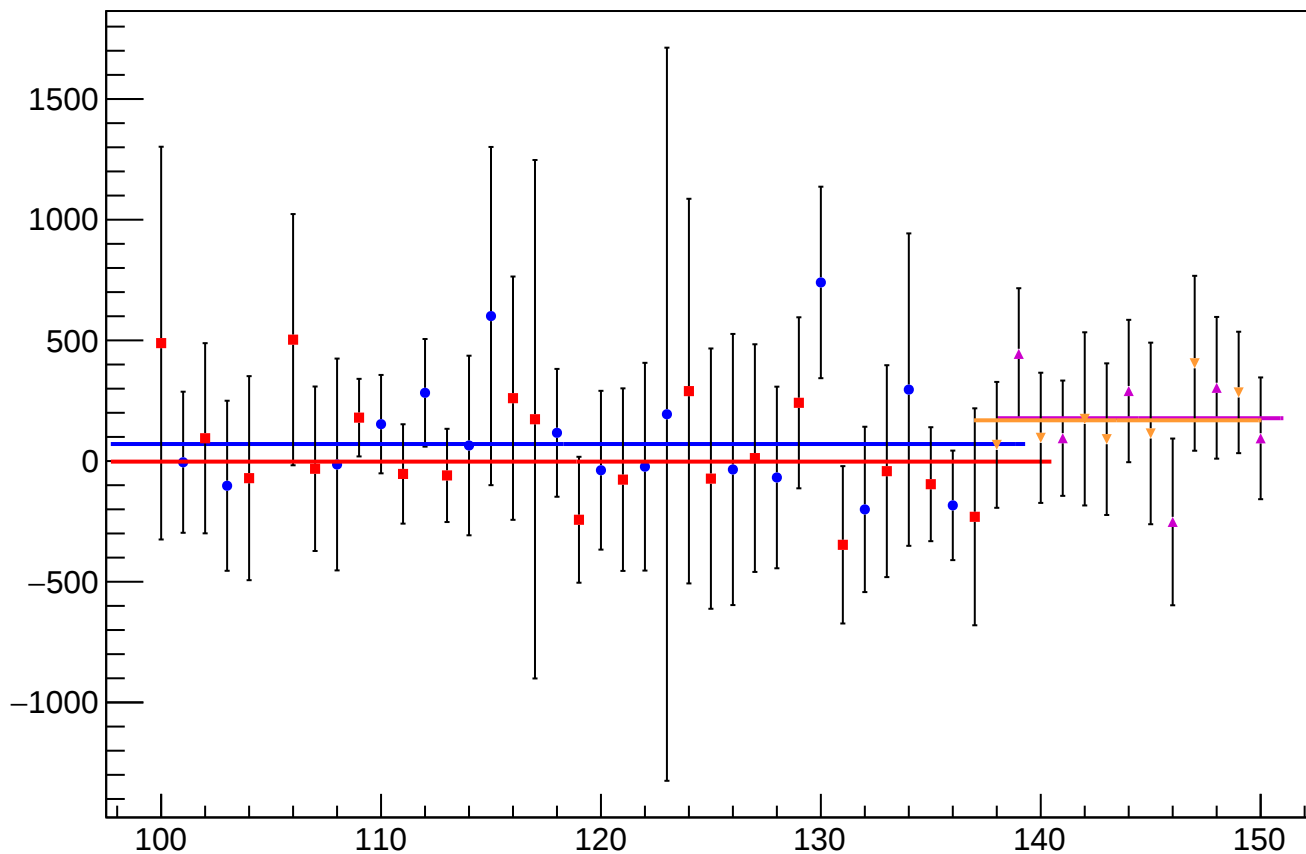
Left In: 16.568 $\pm$ 0.005 χ^2 /NDF:14798.6/5

17.340 $\pm$ 0.004 χ^2 /NDF: 59794.9/23

17.270 $\pm$ 0.003 χ^2 /NDF: 131380.9/49

17.203 $\pm$ 0.004 χ^2 /NDF: 70843.9/25

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: 168.876 $\pm$ 114.081 χ^2 /NDF: 0.9/6

Right Out: -2.285 $\pm$ 71.350 χ^2 /NDF: 6.2/19

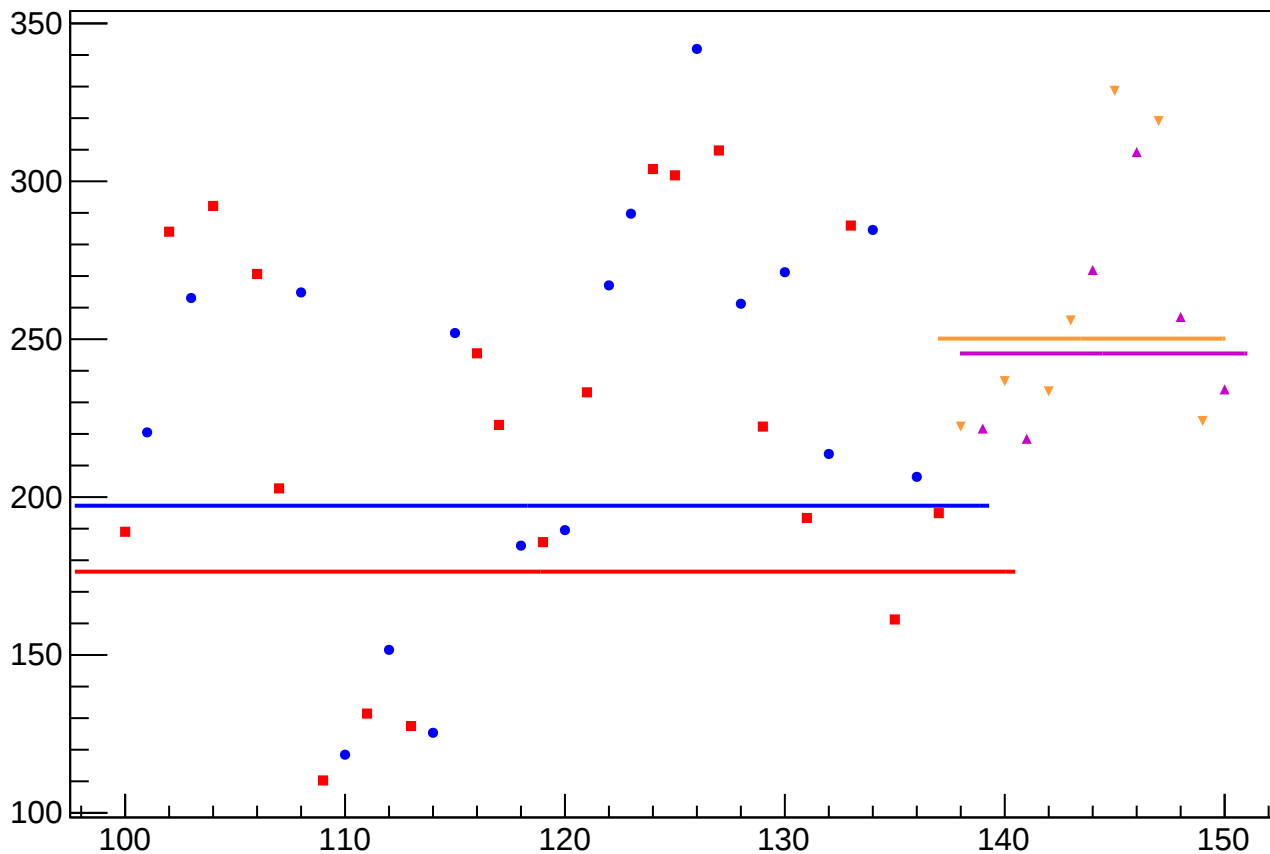
Left In: 177.546 $\pm$ 113.048 χ^2 /NDF: 3.1/5

103.242 $\pm$ 65.724 χ^2 /NDF: 8.6/23

73.776 $\pm$ 44.447 χ^2 /NDF: 20.1/49

48.943 $\pm$ 60.337 χ^2 /NDF: 11.1/25

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

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

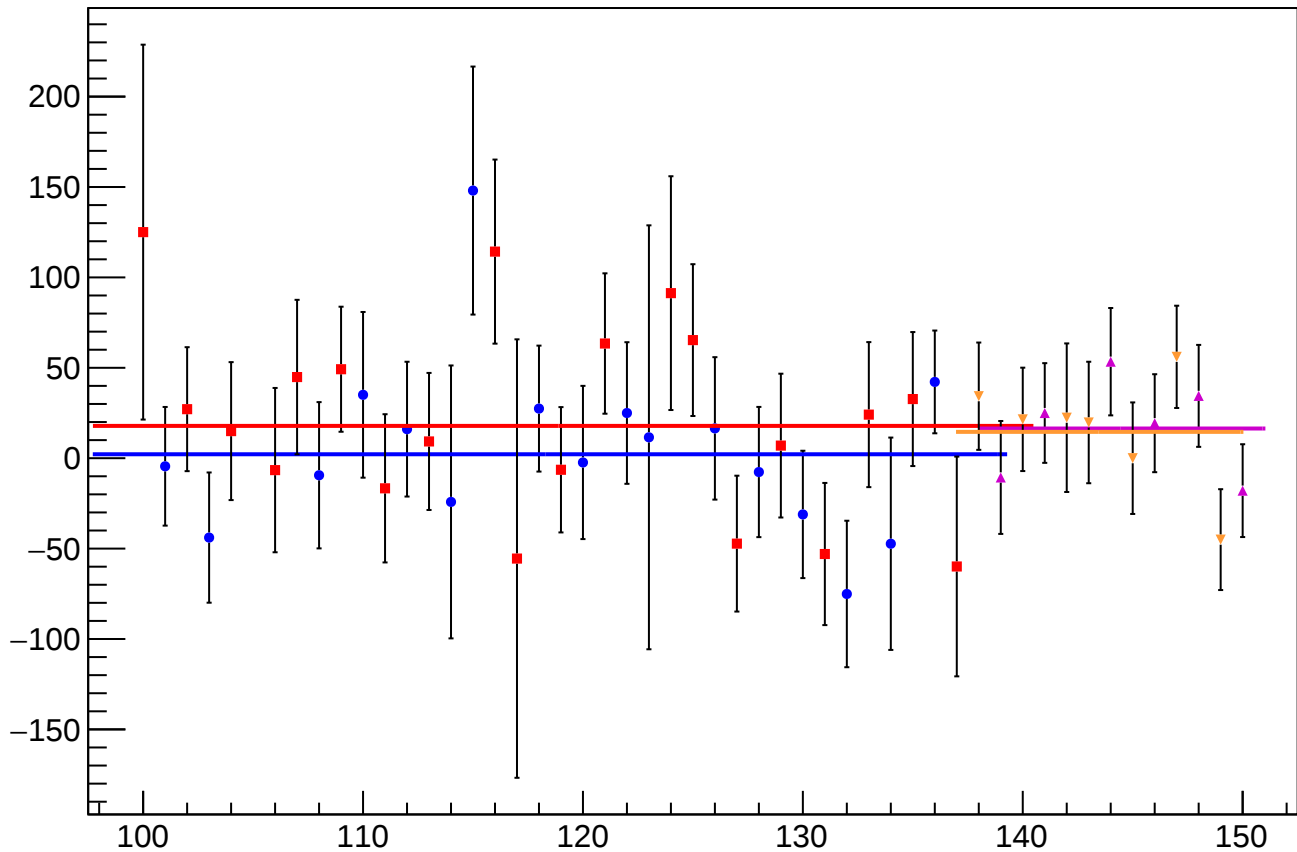
Left In: 245.474 $\pm$ 0.080 χ^2 /NDF:132291.7/5

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

204.652 $\pm$ 0.031 χ^2 /NDF: 3749189.8/49

196.067 $\pm$ 0.043 χ^2 /NDF: 2189948.2/25

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: 14.568+/-11.607 χ^2/NDF : 7.5/6

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

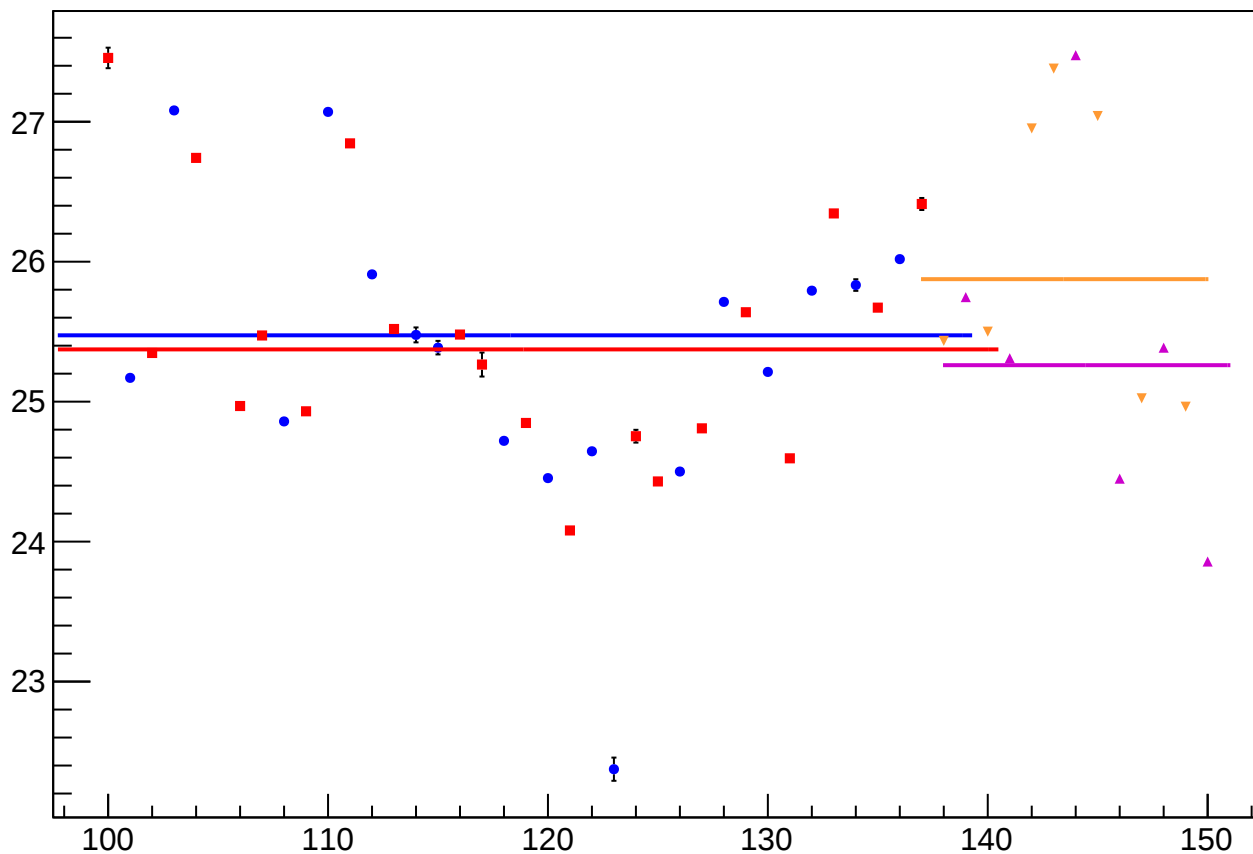
Left In: 16.419+/-11.461 χ^2/NDF : 4.6/5

7.350+/-7.499 χ^2/NDF : 23.5/23

12.449+/-5.231 χ^2/NDF : 49.0/49

17.281+/-7.299 χ^2/NDF : 24.6/25

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.474+/-0.007 χ^2/NDF : 14061.2/16

Left Out: 25.875+/-0.008 χ^2/NDF :12971.8/6

Right Out: 25.373+/-0.007 χ^2/NDF : 13582.8/19

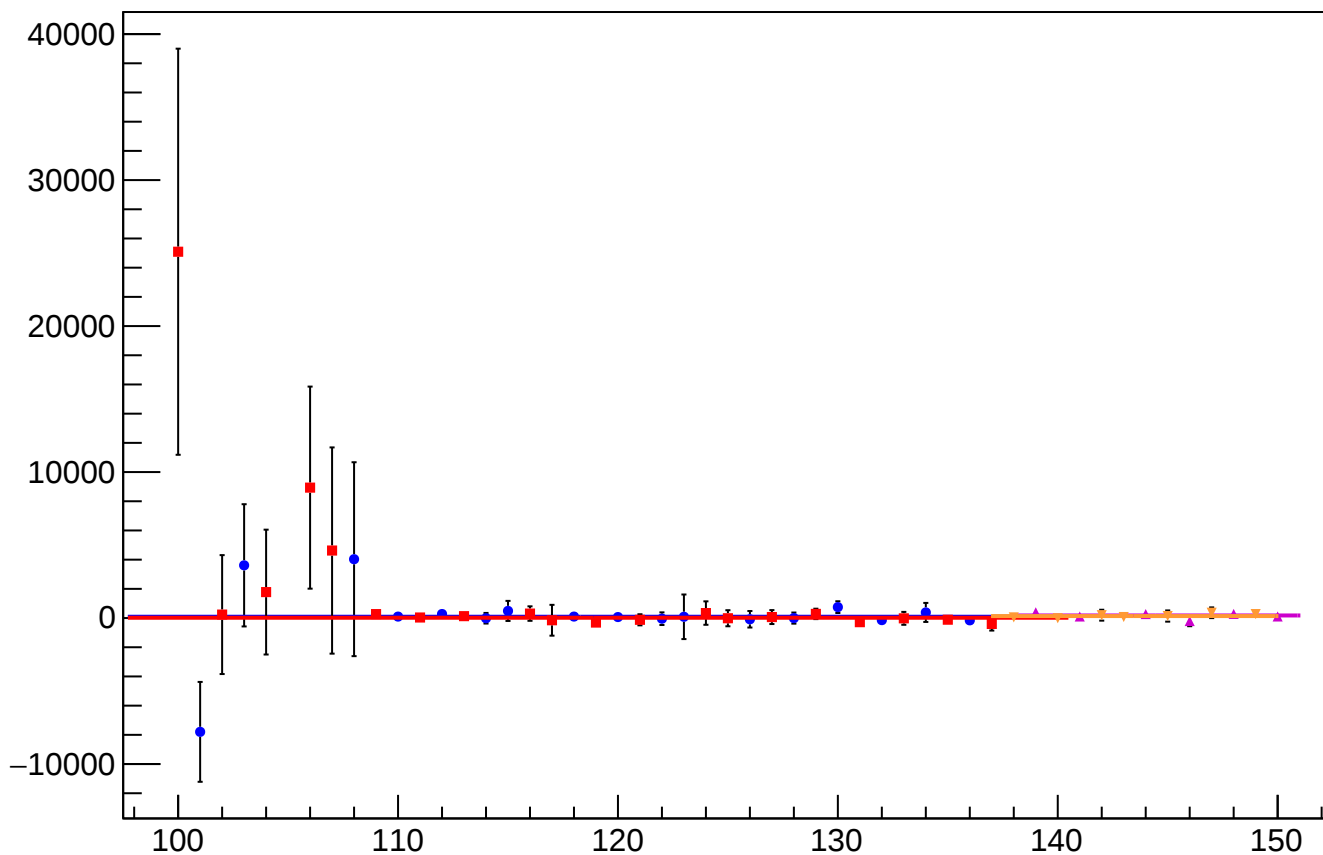
Left In: 25.261+/-0.008 χ^2/NDF :19421.6/5

25.641+/-0.005 χ^2/NDF : 28425.5/23

25.480+/-0.004 χ^2/NDF : 63343.7/49

25.328+/-0.005 χ^2/NDF : 33119.5/25

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: 135.992+/-115.550 χ^2/NDF : 1.2/6

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

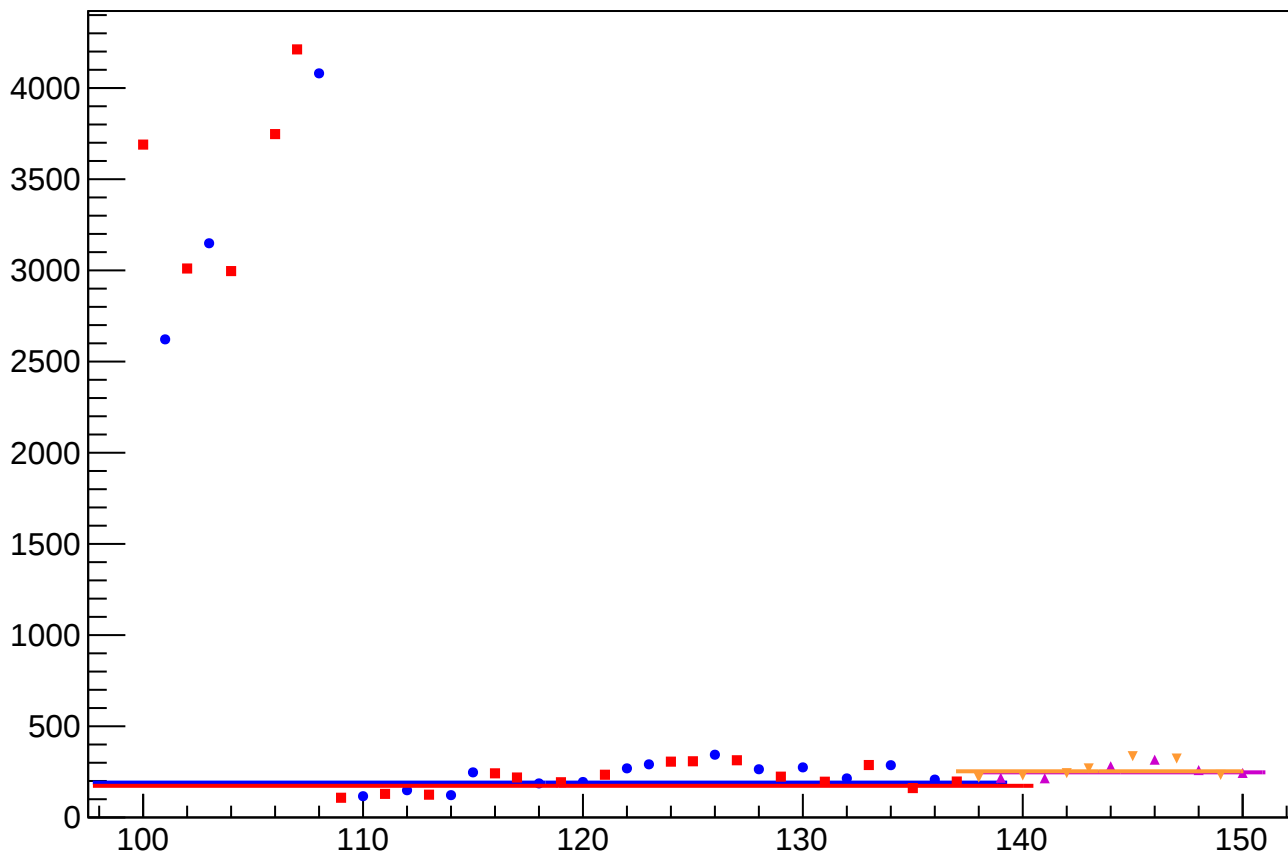
Left In: 177.134+/-114.172 χ^2/NDF : 2.2/5

106.551+/-69.823 χ^2/NDF : 13.6/23

89.007+/-47.918 χ^2/NDF : 29.1/49

73.388+/-65.881 χ^2/NDF : 15.4/25

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

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

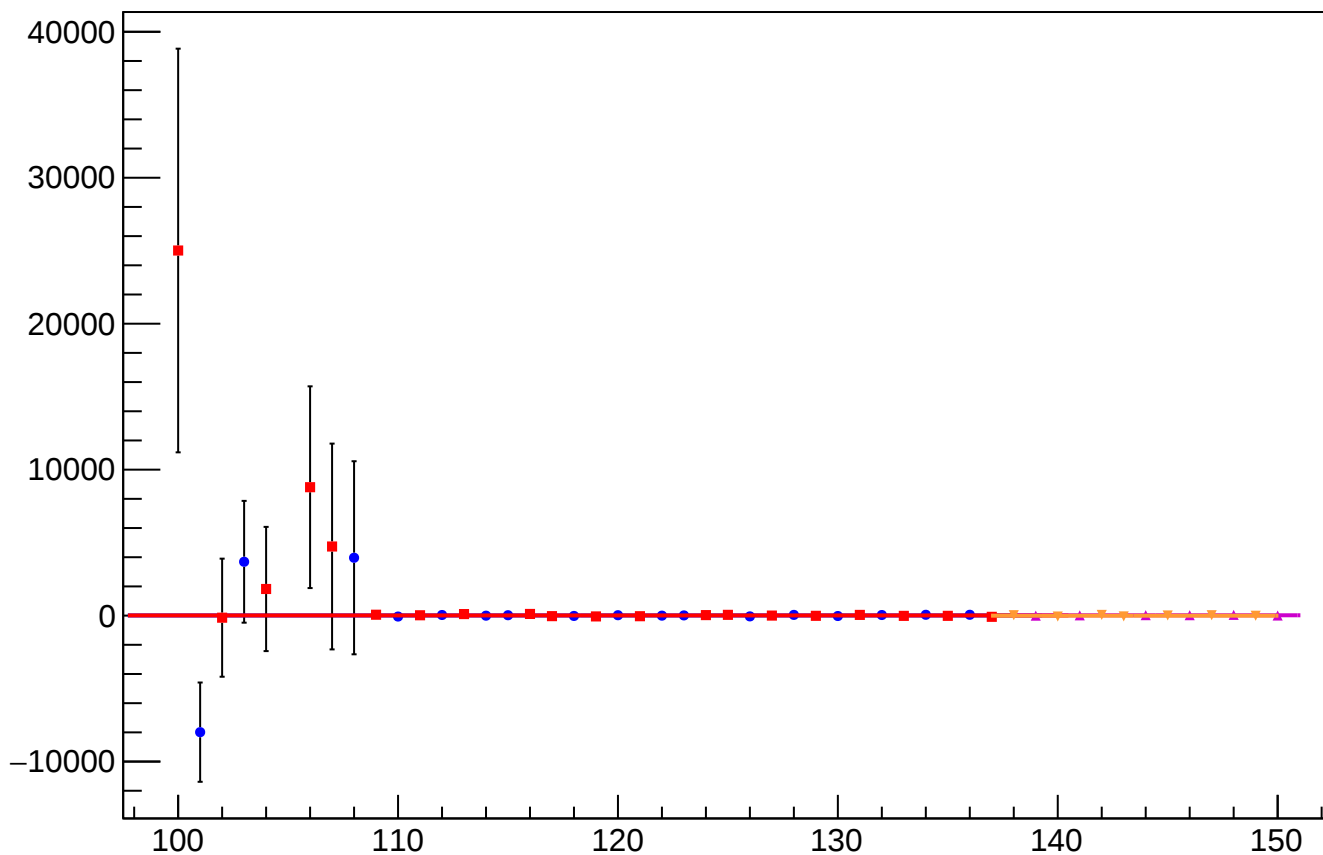
Left In: 247.415+/-0.081 χ^2/NDF : 168798.5/5

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

205.512+/-0.034 χ^2/NDF : 9163033.1/49

198.136+/-0.047 χ^2/NDF : 4938332.5/25

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: -4.674+/-13.601 χ^2/NDF : 7.9/6

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

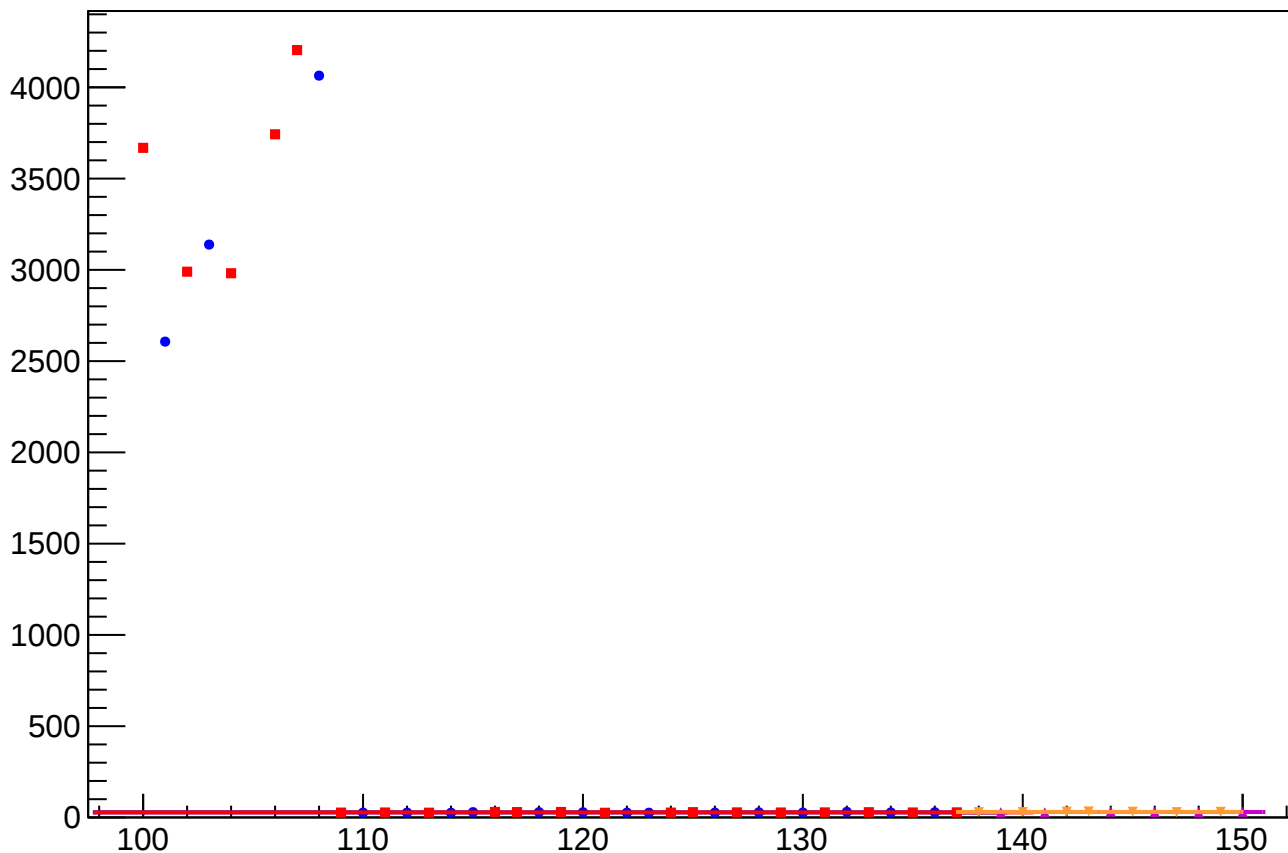
Left In: 22.739+/-13.518 χ^2/NDF : 1.8/5

3.684+/-9.077 χ^2/NDF : 26.8/23

10.428+/-6.409 χ^2/NDF : 54.5/49

17.129+/-9.049 χ^2/NDF : 26.6/25

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: 30.249+/-0.010 χ^2 /NDF:20021.6/6

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

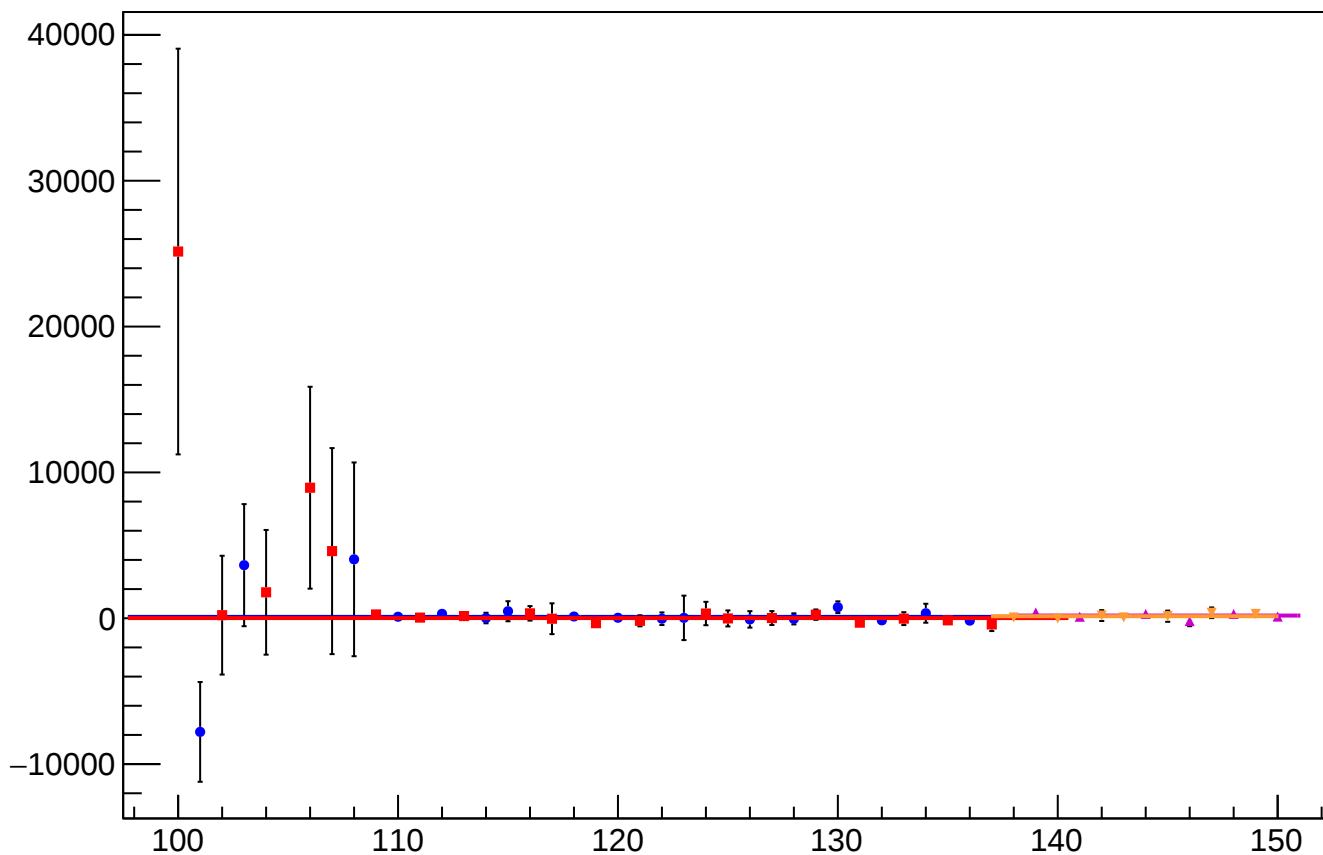
Left In: 29.763+/-0.010 χ^2 /NDF:25704.8/5

28.911+/-0.006 χ^2 /NDF: 3081798.6/23

28.769+/-0.005 χ^2 /NDF: 6611097.9/49

28.628+/-0.006 χ^2 /NDF: 3528323.4/25

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: 139.965+/-115.307 χ^2/NDF : 1.3/6

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

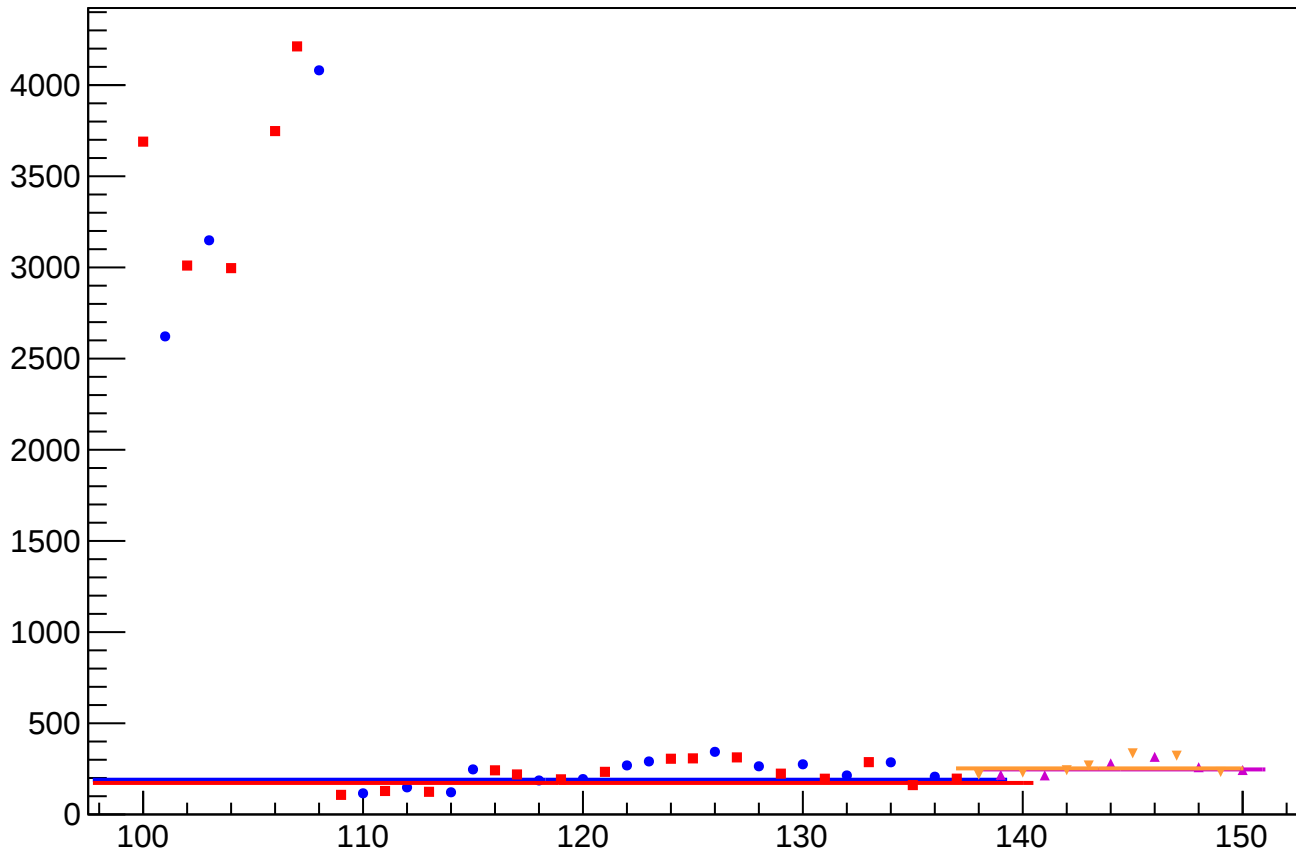
Left In: 184.813+/-113.933 χ^2/NDF : 2.2/5

110.025+/-69.632 χ^2/NDF : 14.1/23

88.740+/-47.784 χ^2/NDF : 30.6/49

69.795+/-65.694 χ^2/NDF : 16.4/25

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

Right Out: 172.872+/-0.057 χ^2/NDF : 4222275.2/19

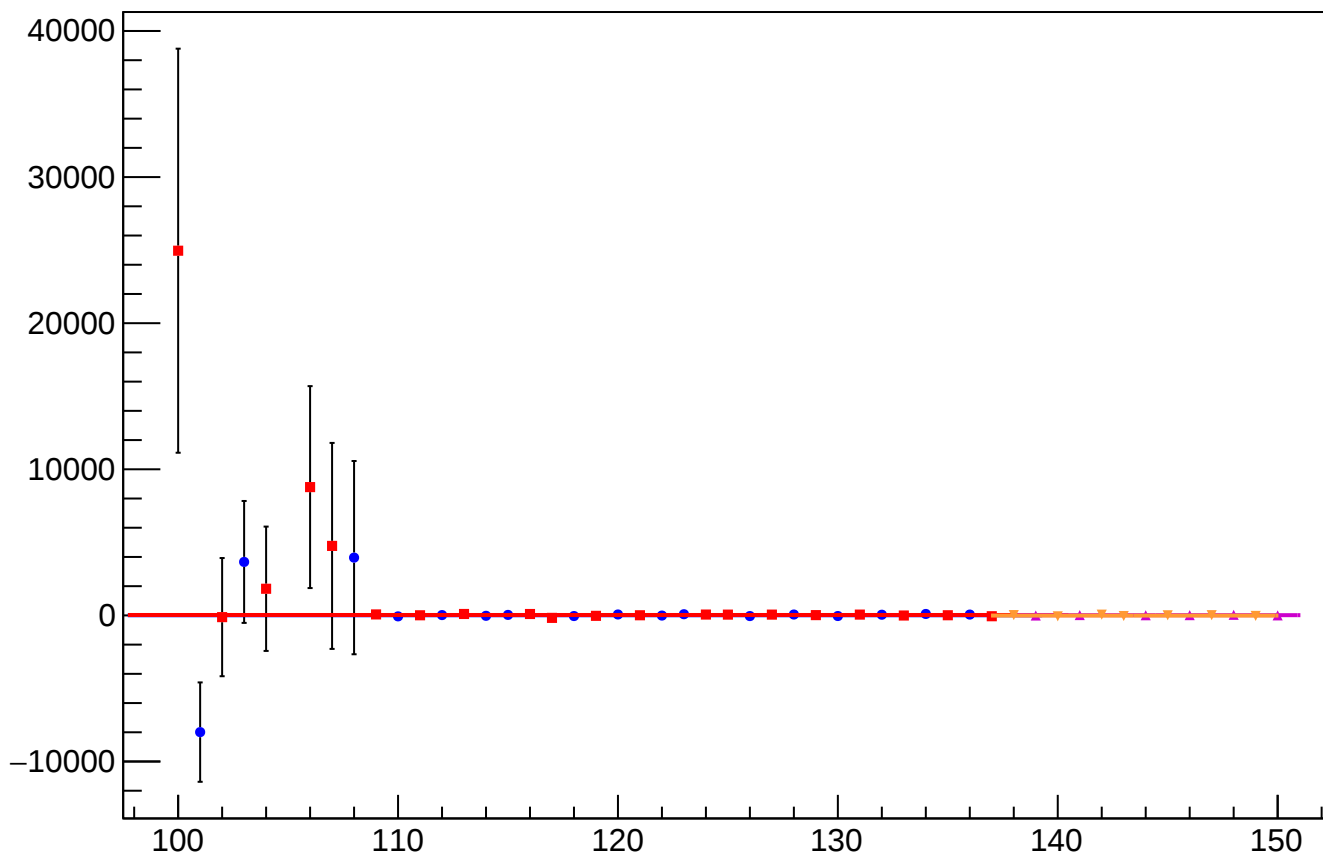
Left In: 246.899+/-0.081 χ^2/NDF : 168580.1/5

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

204.850+/-0.034 χ^2/NDF : 9195055.8/49

197.484+/-0.046 χ^2/NDF : 4954473.4/25

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.600+/-12.273 χ^2/NDF : 23.2/16

Left Out: -11.008+/-13.698 χ^2/NDF : 7.1/6

Right Out: 28.128+/-12.282 χ^2/NDF : 18.5/19

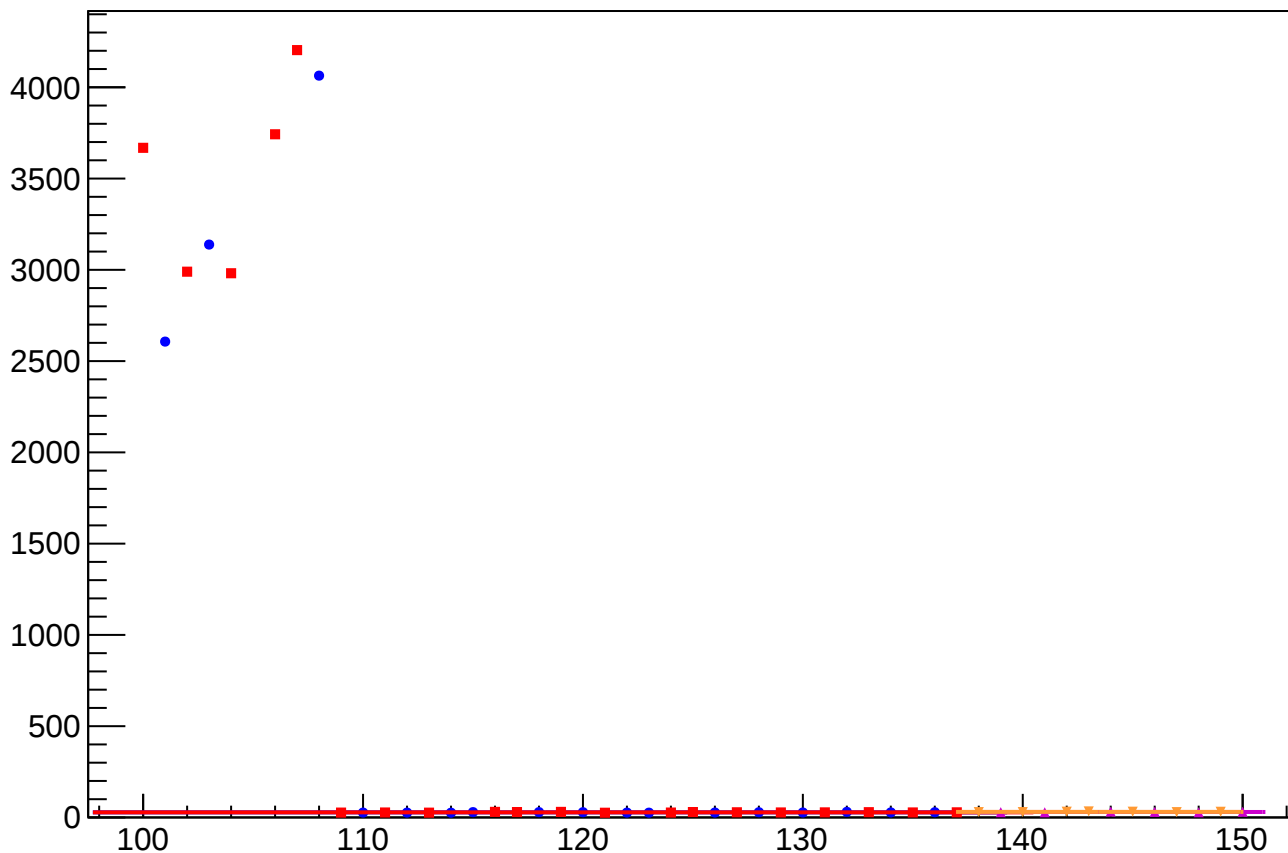
Left In: 15.330+/-13.608 χ^2/NDF : 1.3/5

0.423+/-9.141 χ^2/NDF : 31.6/23

11.431+/-6.455 χ^2/NDF : 54.8/49

22.383+/-9.118 χ^2/NDF : 20.3/25

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: 30.463+/-0.010 χ^2/NDF :19927.1/6

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

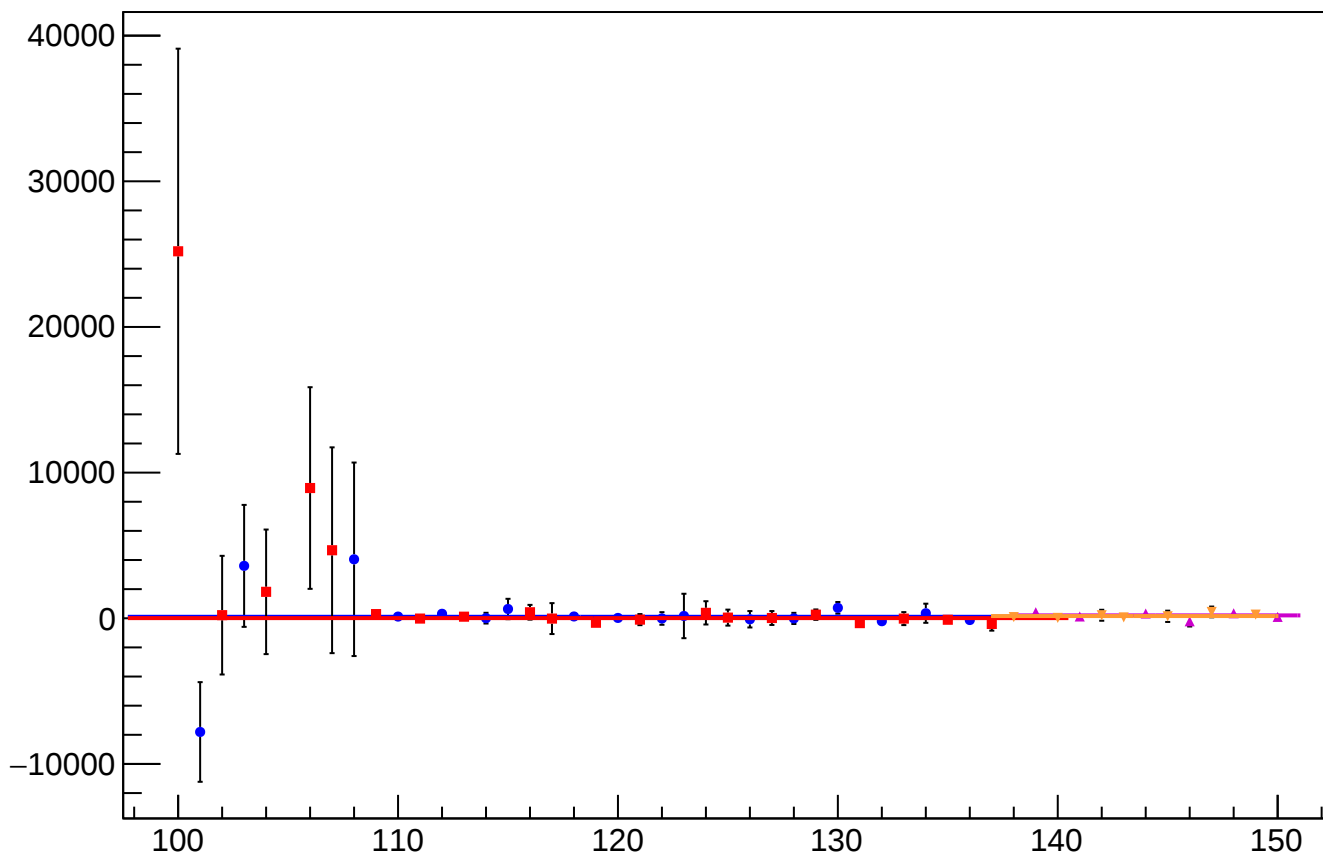
Left In: 29.957+/-0.010 χ^2/NDF :27248.9/5

29.109+/-0.006 χ^2/NDF : 3082126.8/23

28.974+/-0.005 χ^2/NDF : 6614591.6/49

28.839+/-0.006 χ^2/NDF : 3531590.1/25

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

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

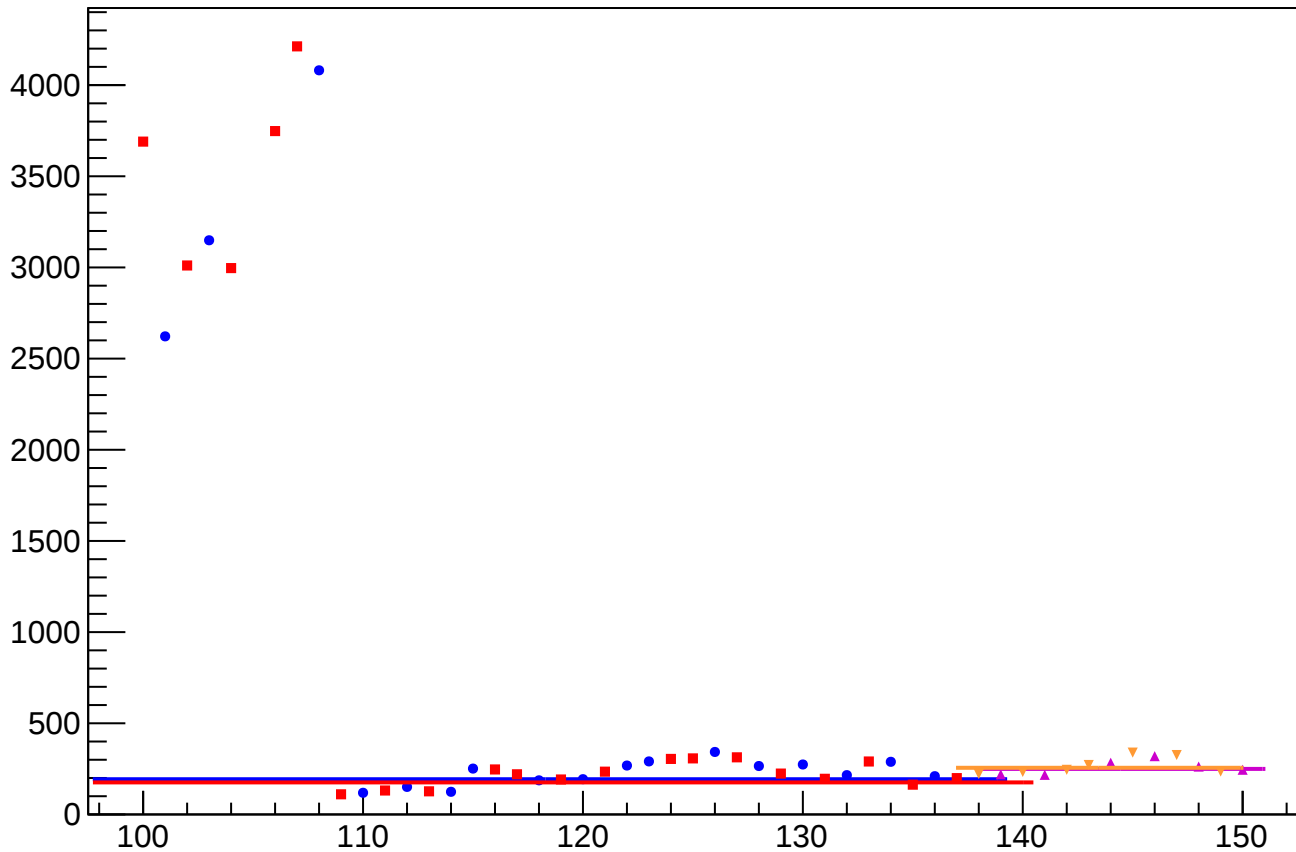
Left In: 197.981 $\pm$ 115.244 χ^2 /NDF:2.6/5

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

95.528 $\pm$ 48.382 χ^2 /NDF: 30.5/49

73.348 $\pm$ 66.534 χ^2 /NDF: 16.6/25

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: 255.911+/-0.083 χ^2/NDF :231258.1/6

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

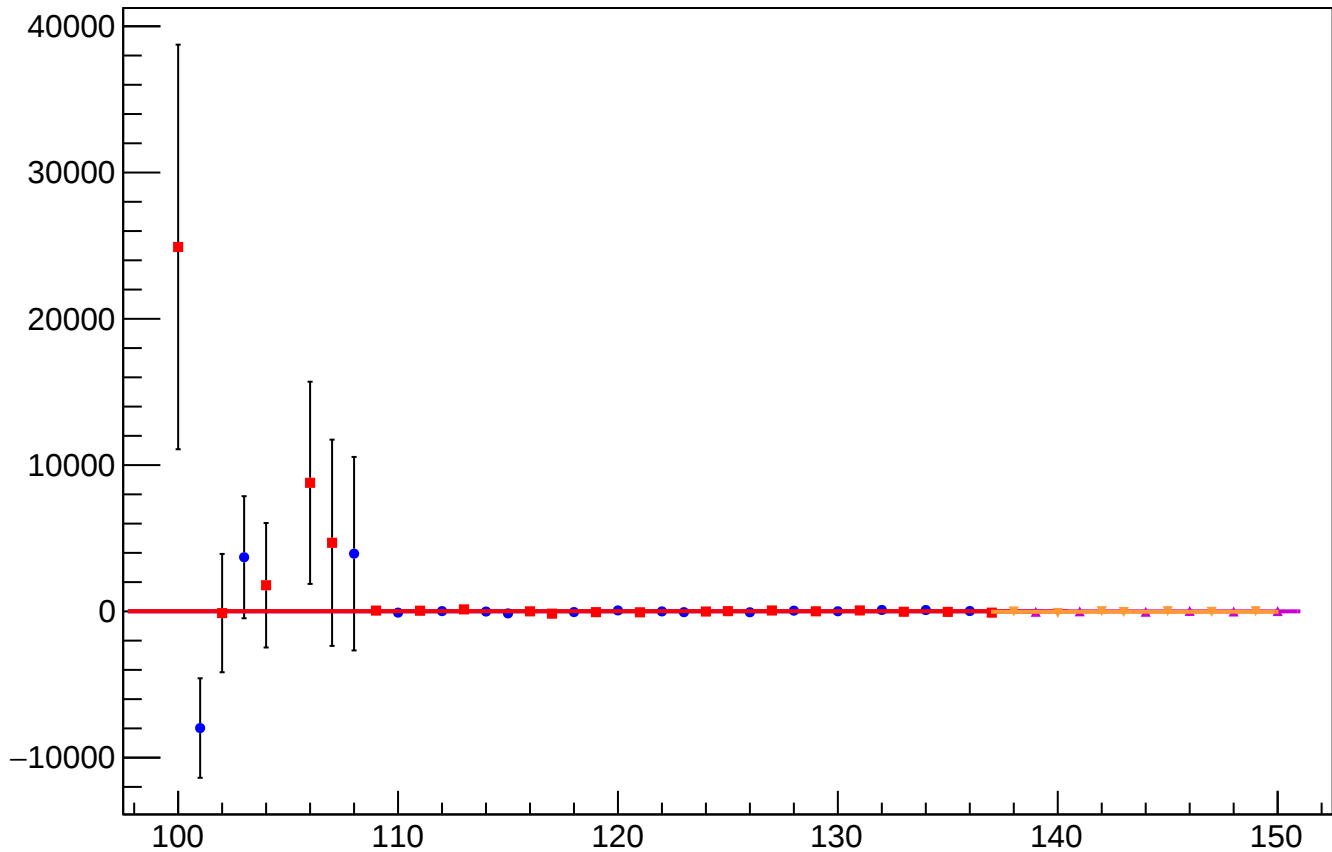
Left In: 249.796+/-0.081 χ^2/NDF :167312.8/5

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

207.781+/-0.034 χ^2/NDF : 9072621.4/49

200.430+/-0.047 χ^2/NDF : 4886709.9/25

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



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

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

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

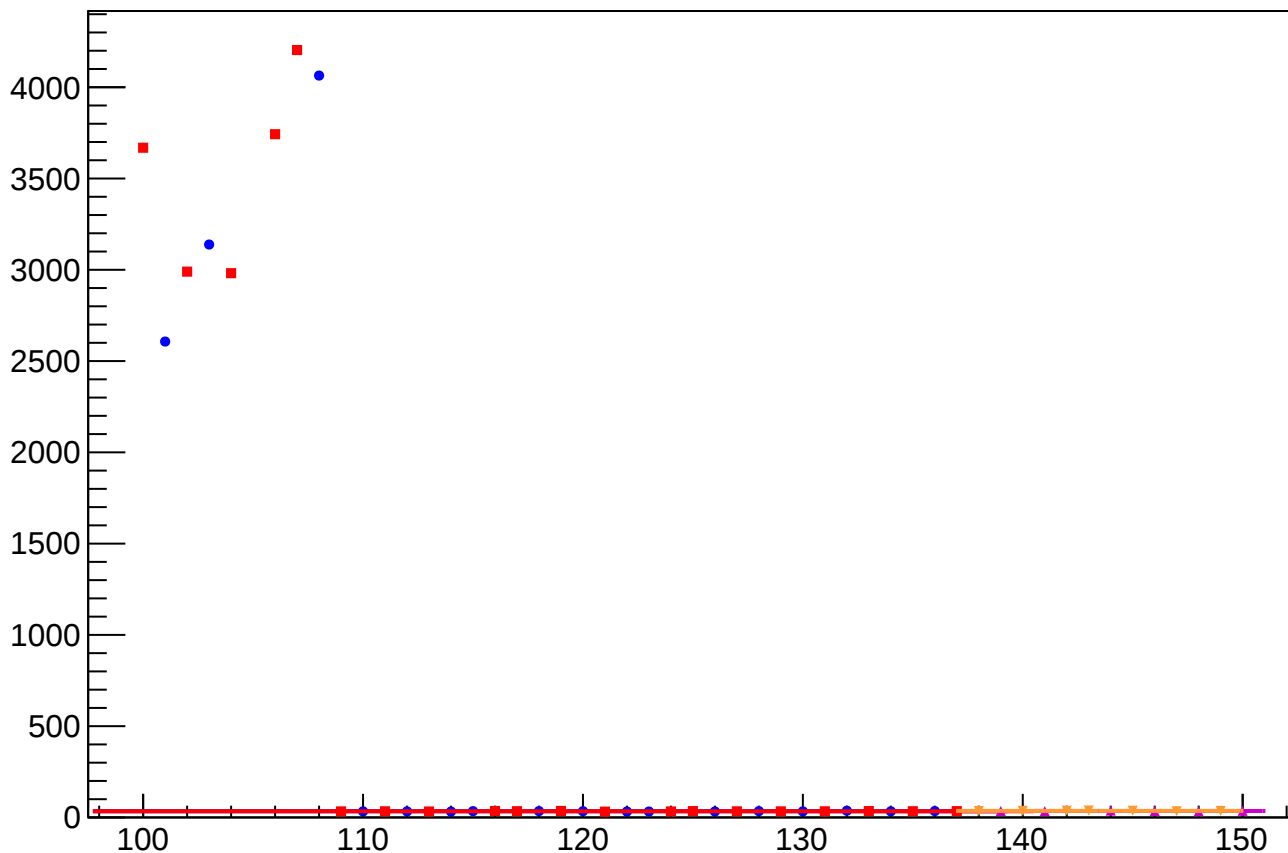
Left In: 2.511 $\pm$ 16.082 χ^2 /NDF: 1.8/5

-9.745 $\pm$ 10.956 χ^2 /NDF: 29.0/23

-1.279 $\pm$ 7.736 χ^2 /NDF: 54.8/49

7.138 $\pm$ 10.924 χ^2 /NDF: 24.7/25

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

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

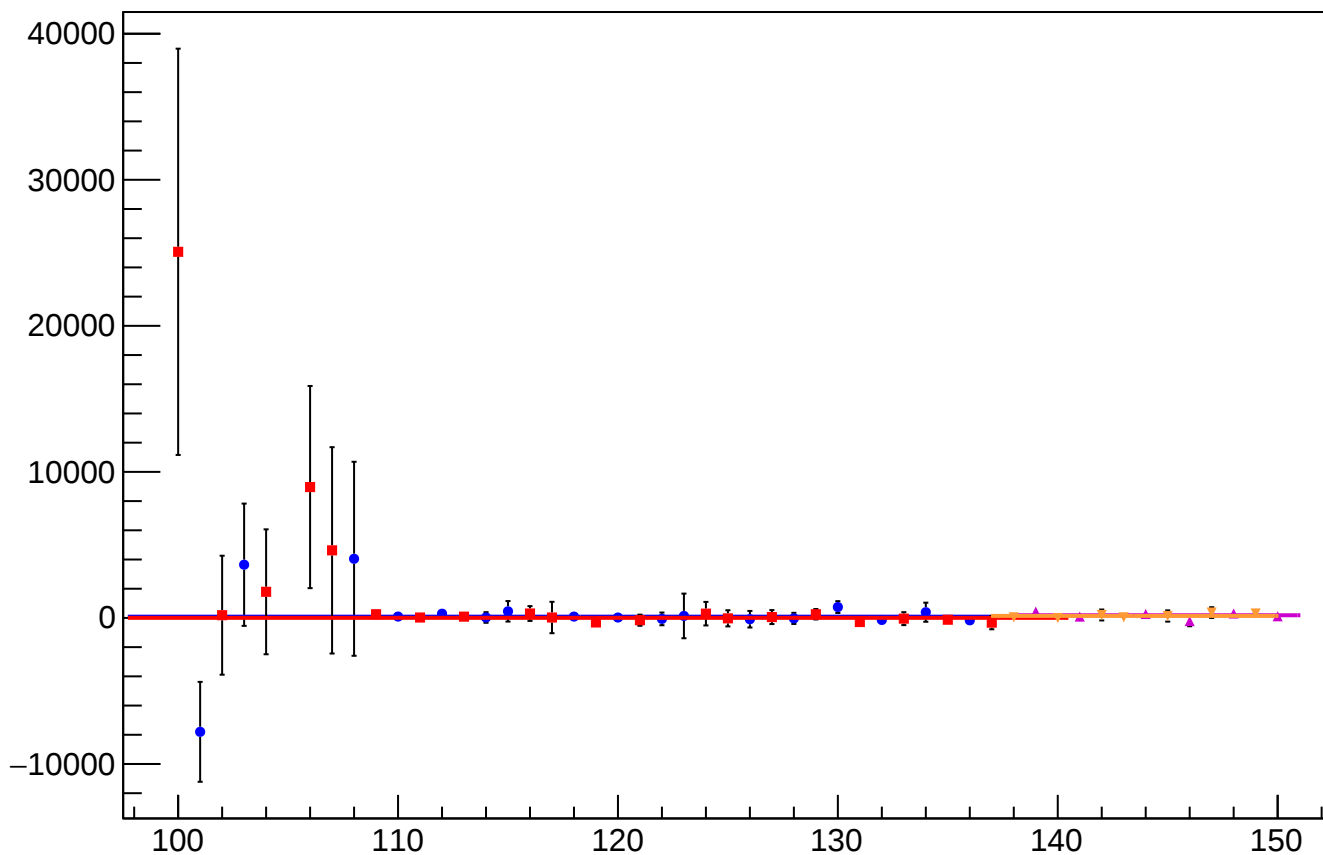
Left In: 35.462 $\pm$ 0.011 χ^2 /NDF:11114.1/5

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

34.793 $\pm$ 0.005 χ^2 /NDF: 6504000.6/49

34.629 $\pm$ 0.008 χ^2 /NDF: 3472976.3/25

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: 140.298+/-115.886 χ^2/NDF : 1.3/6

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

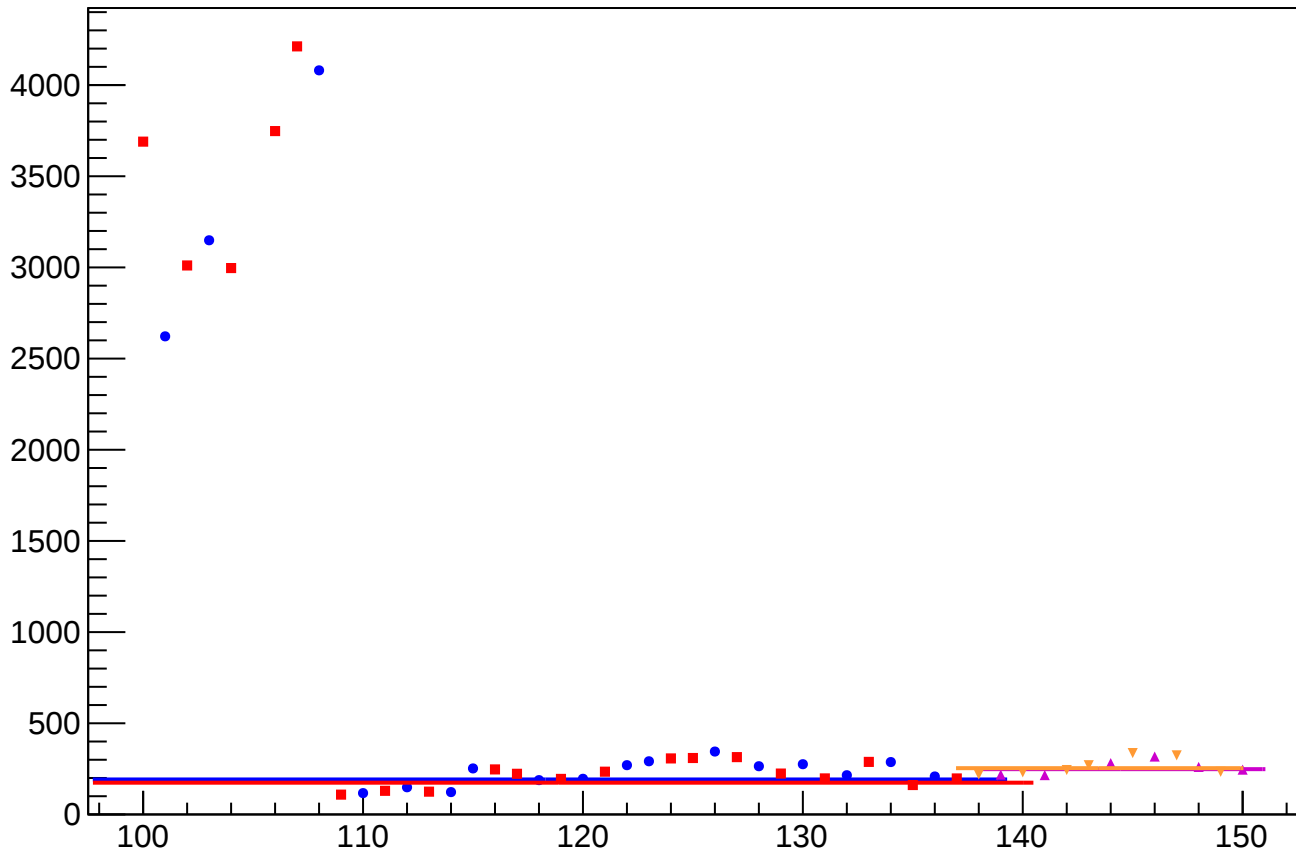
Left In: 183.305+/-114.625 χ^2/NDF : 2.6/5

105.870+/-70.057 χ^2/NDF : 13.9/23

84.776+/-48.093 χ^2/NDF : 29.3/49

65.976+/-66.138 χ^2/NDF : 15.3/25

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

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

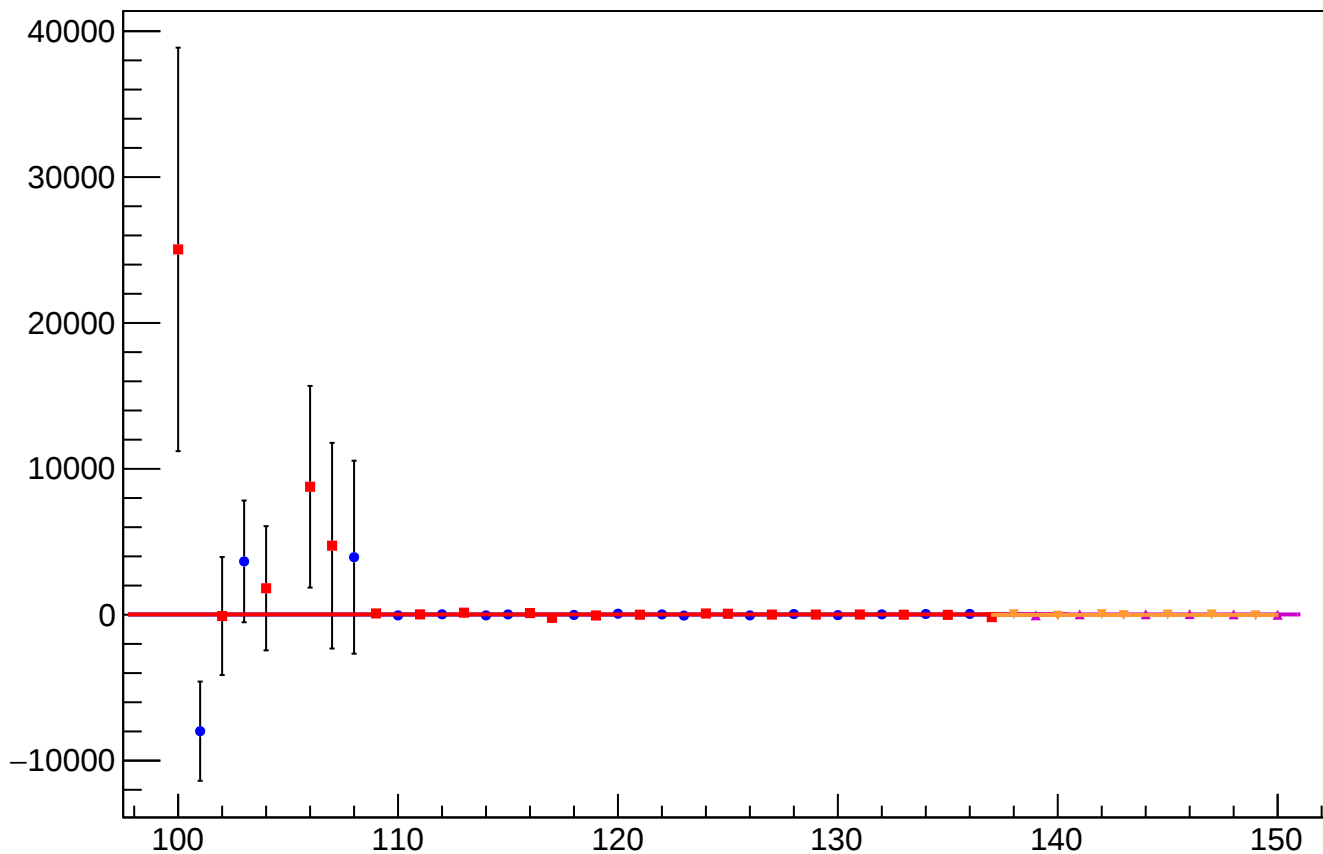
Left In: 248.424+/-0.081 χ^2/NDF : 167326.4/5

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

206.271+/-0.034 χ^2/NDF : 9165902.3/49

198.915+/-0.047 χ^2/NDF : 4942184.9/25

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: -11.105+/-14.851 χ^2/NDF : 6.5/6

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

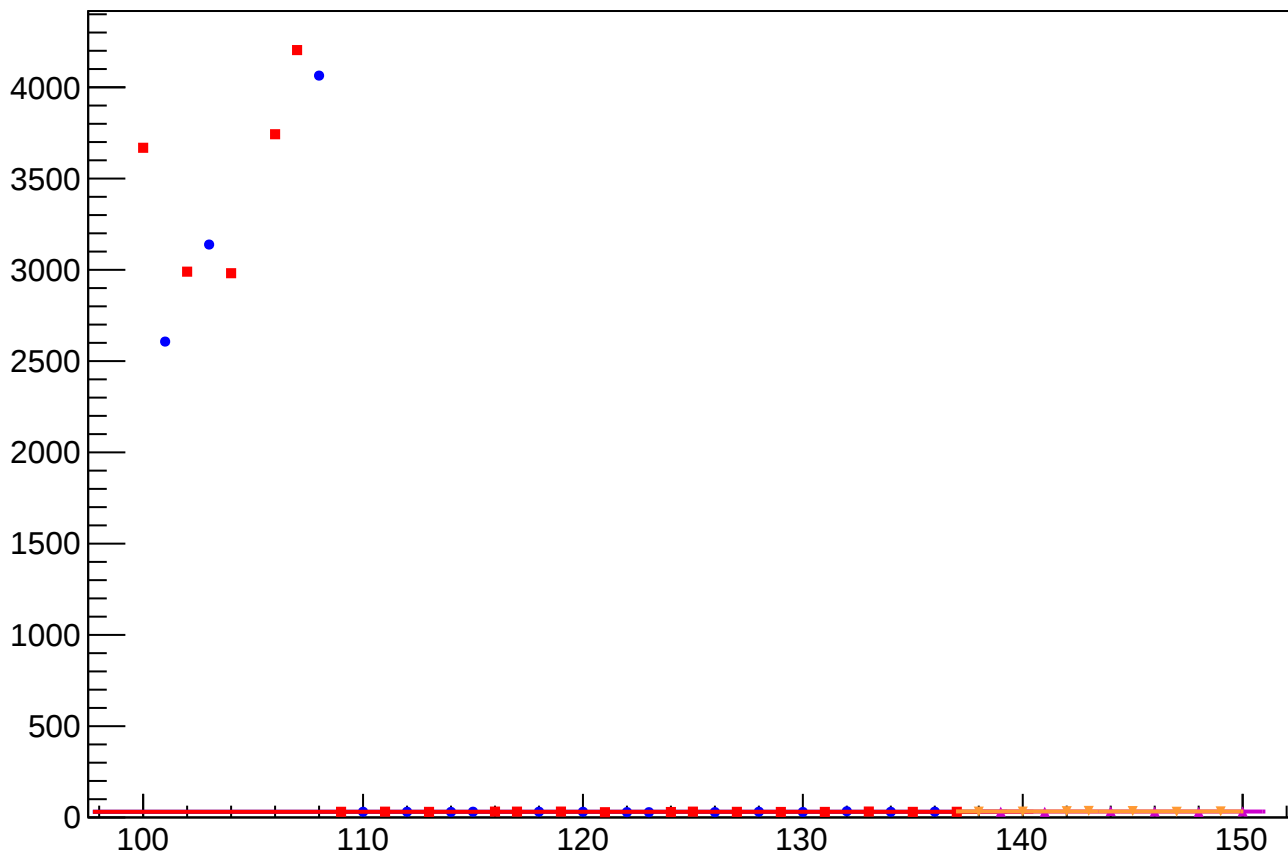
Left In: 19.496+/-14.691 χ^2/NDF : 3.4/5

2.599+/-10.037 χ^2/NDF : 23.3/23

11.635+/-7.077 χ^2/NDF : 58.2/49

20.570+/-9.981 χ^2/NDF : 33.3/25

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: 33.042 $\pm$ 0.011 χ^2 /NDF:22774.4/6

Right Out: 30.970 $\pm$ 0.010 χ^2 /NDF: 3459018.8/19

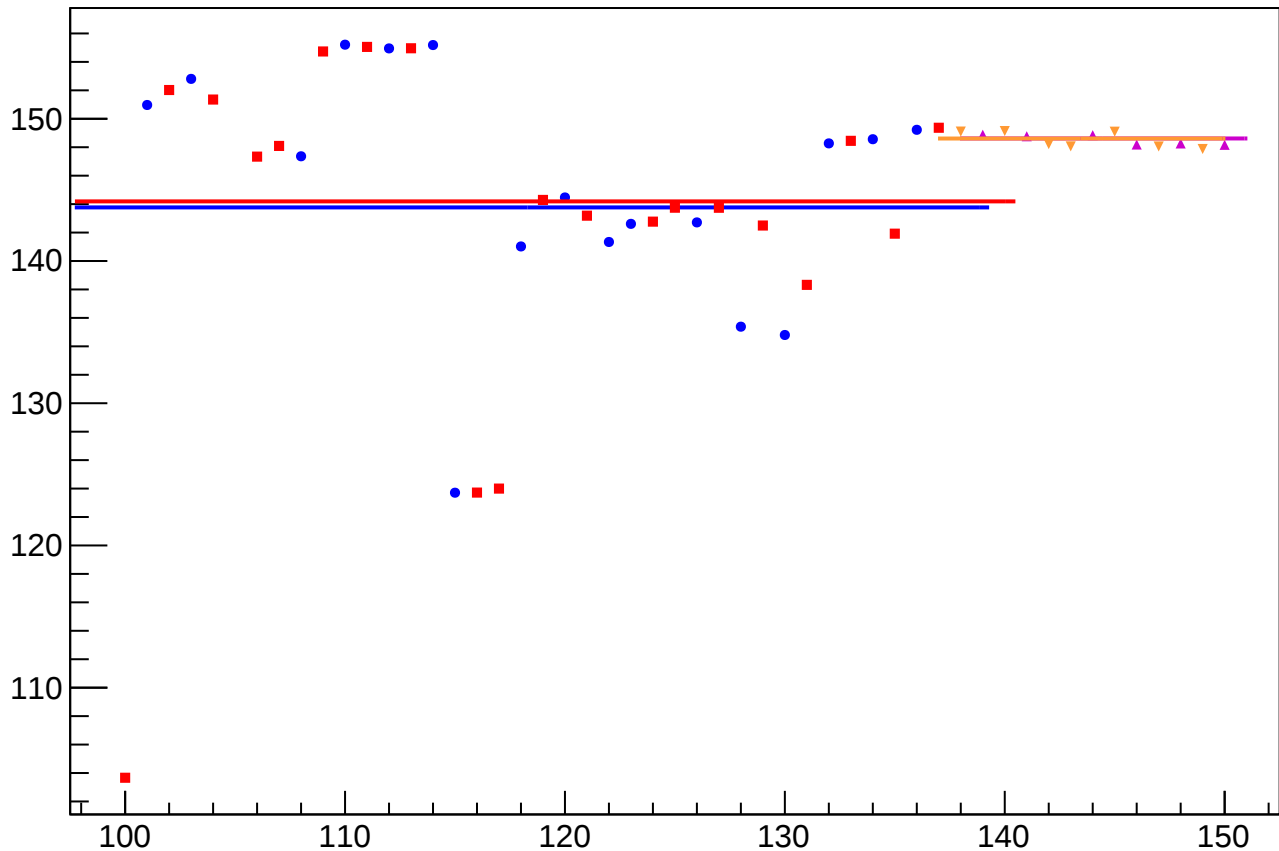
Left In: 32.372 $\pm$ 0.010 χ^2 /NDF:19941.6/5

32.002 $\pm$ 0.007 χ^2 /NDF: 3055272.5/23

31.808 $\pm$ 0.005 χ^2 /NDF: 6545503.7/49

31.617 $\pm$ 0.007 χ^2 /NDF: 3488756.4/25

yield_bcm_an_ds_mean vs Slug, Sign Corrected



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

Left Out: 148.612 $\pm$ 0.000 χ^2/NDF : 12072638.0/6

Right Out: 144.192 $\pm$ 0.000 χ^2/NDF : 4524049993.1/19

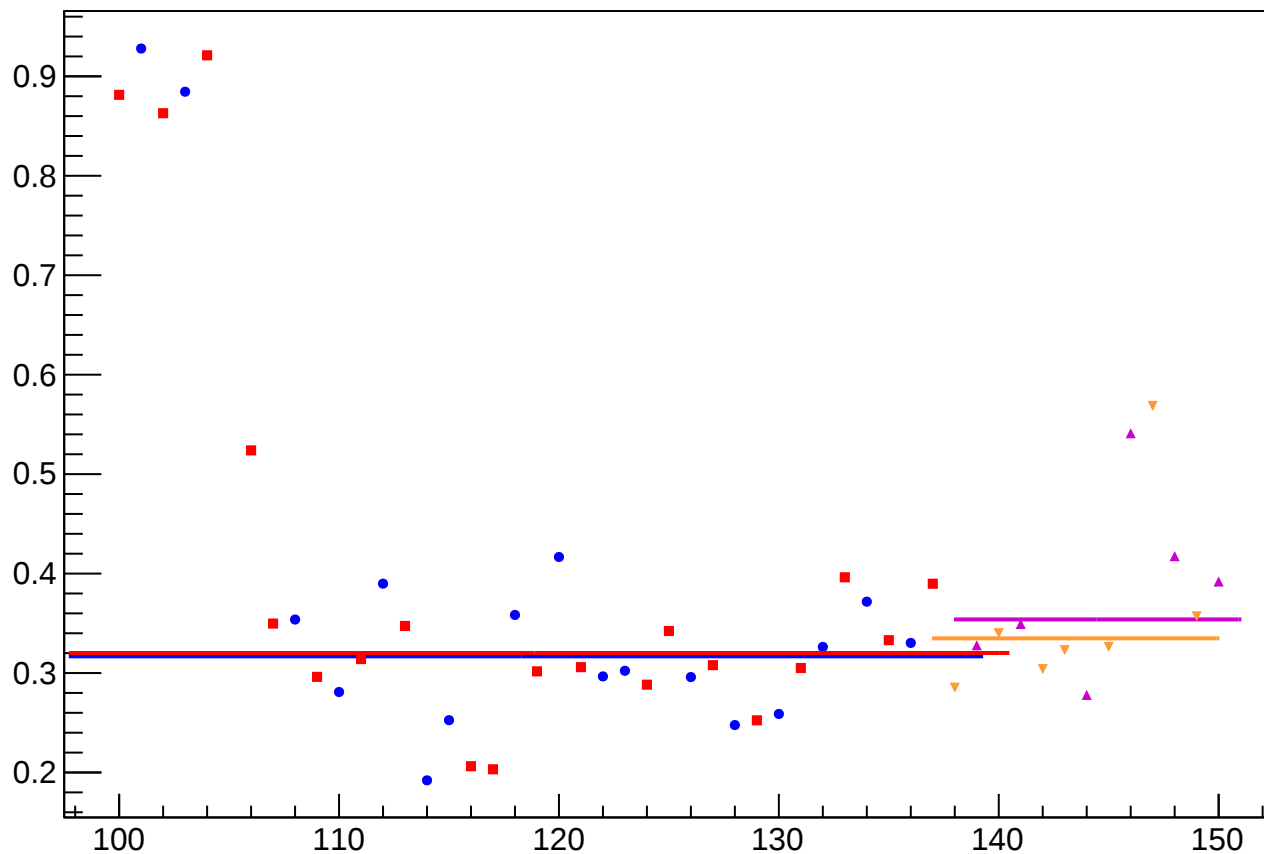
Left In: 148.616 $\pm$ 0.000 χ^2/NDF : 3284779.2/5

145.827 $\pm$ 0.000 χ^2/NDF : 4099337649.2/23

145.862 $\pm$ 0.000 χ^2/NDF : 9060053568.2/23

145.898 $\pm$ 0.000 χ^2/NDF : 4960481626.3/25

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2/NDF : 1278613.2/16

Left Out: 0.335 $\pm$ 0.000 χ^2/NDF : 309269.4/6

Right Out: 0.320 $\pm$ 0.000 χ^2/NDF : 1240600.2/19

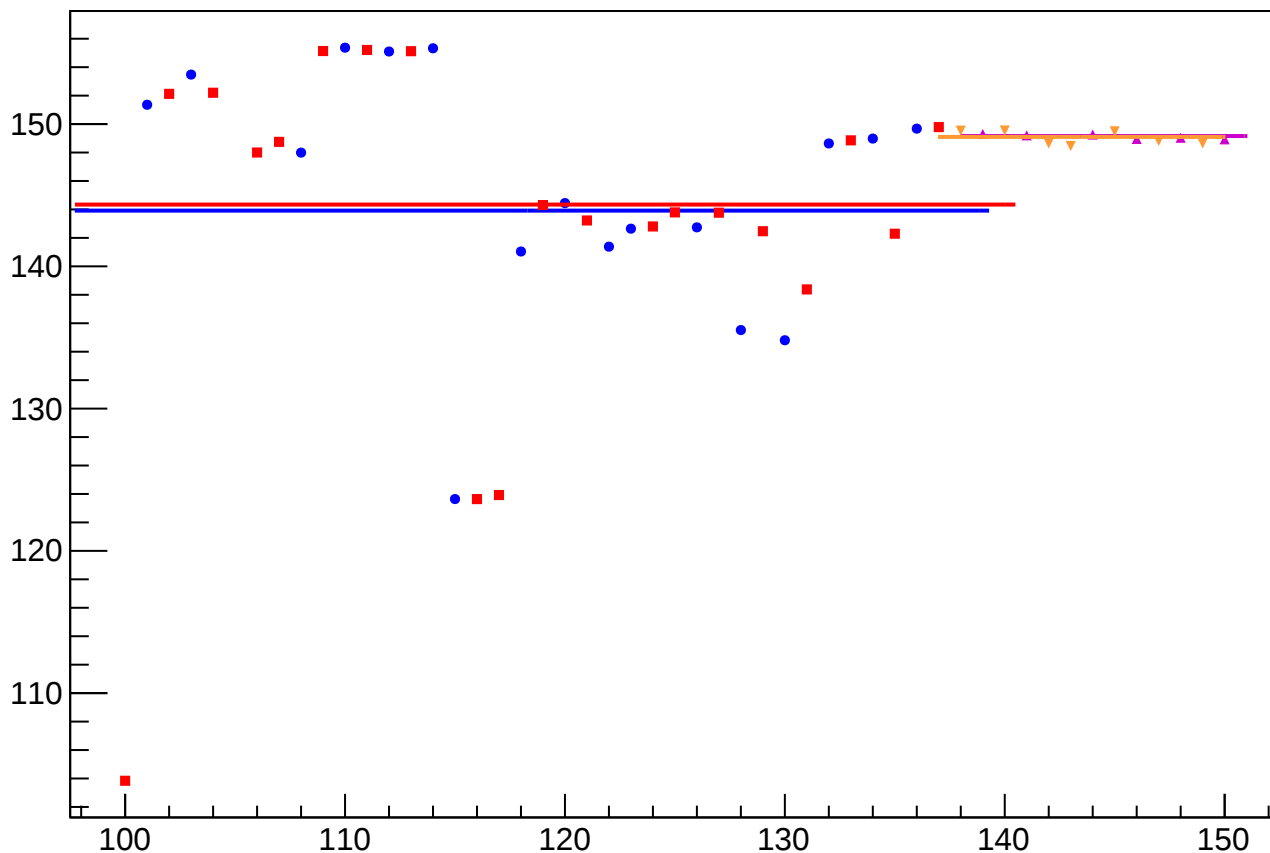
Left In: 0.354 $\pm$ 0.000 χ^2/NDF : 374327.7/5

0.324 $\pm$ 0.000 χ^2/NDF : 1603290.1/23

0.329 $\pm$ 0.000 χ^2/NDF : 3275764.6/49

0.333 $\pm$ 0.000 χ^2/NDF : 1665307.0/25

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.917 $\pm$ 0.000 χ^2 /NDF: 3584662767.5/16

Left Out: 149.098 $\pm$ 0.000 χ^2 /NDF: 8798142.8/6

Right Out: 144.342 $\pm$ 0.000 χ^2 /NDF: 4551365931.0/19

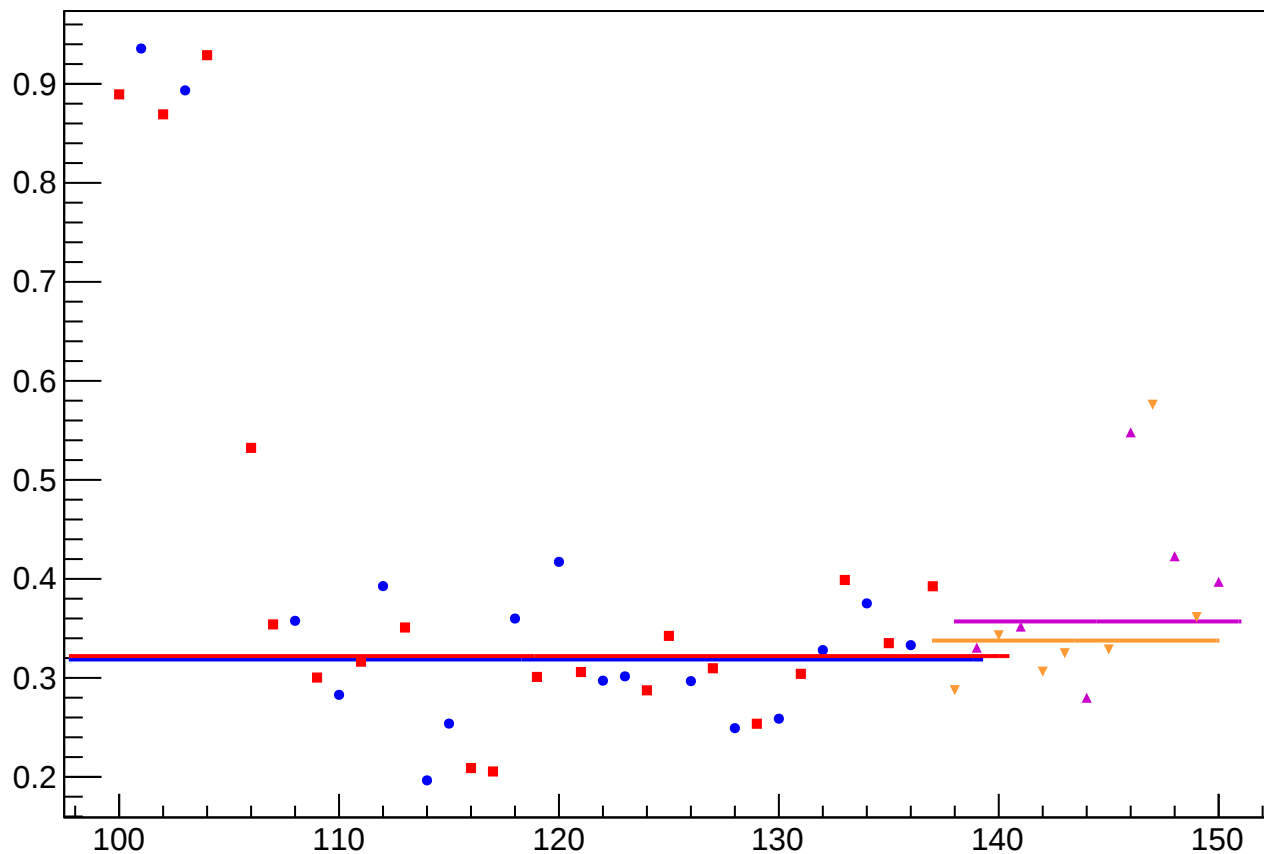
Left In: 149.159 $\pm$ 0.000 χ^2 /NDF: 718449.8/5

146.112 $\pm$ 0.000 χ^2 /NDF: 4219493975.5/23

146.151 $\pm$ 0.000 χ^2 /NDF: 9277296310.1/1

146.192 $\pm$ 0.000 χ^2 /NDF: 5057502690.6/25

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



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

Left Out: 0.338+/-0.000 χ^2/NDF : 313826.1/6

Right Out: 0.322+/-0.000 χ^2/NDF : 1243109.0/19

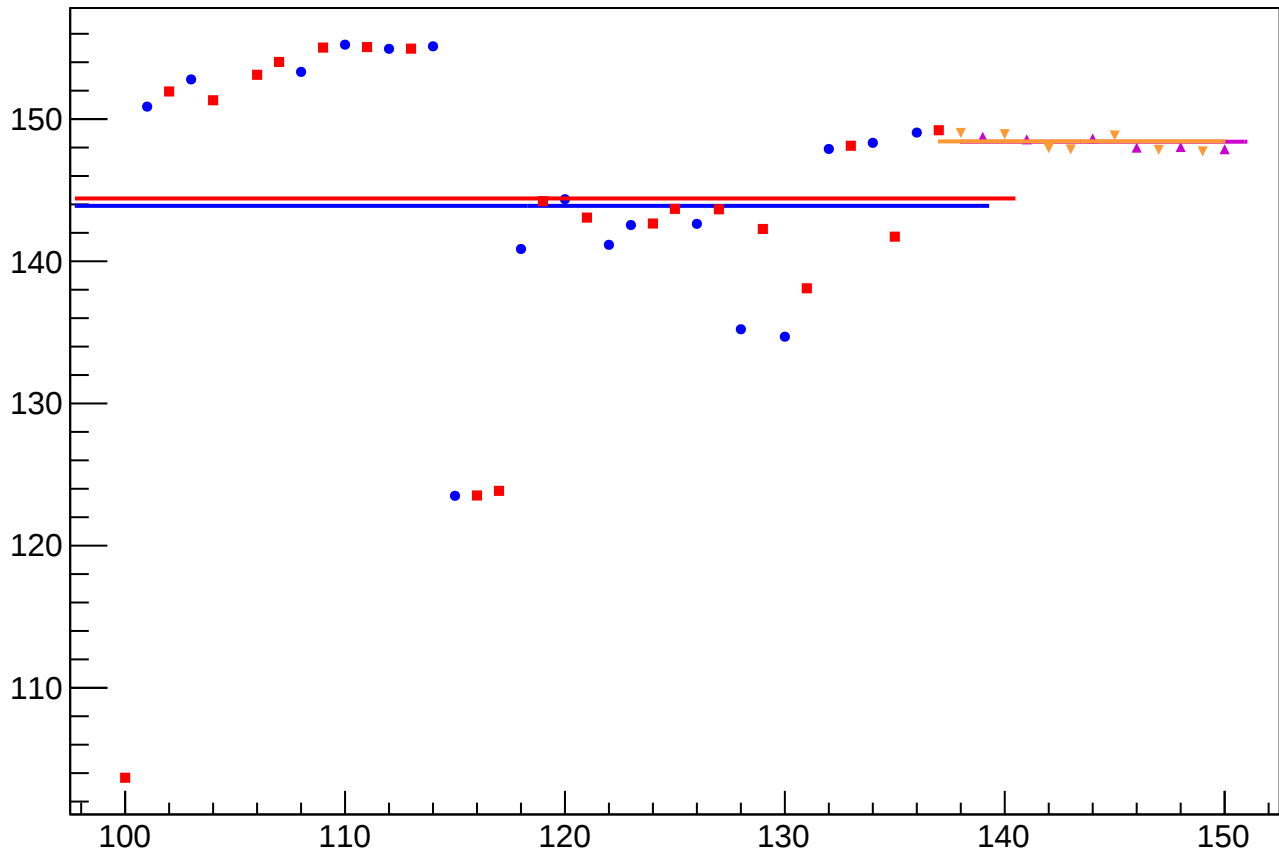
Left In: 0.357+/-0.000 χ^2/NDF : 382223.7/5

0.327+/-0.000 χ^2/NDF : 1611559.1/23

0.331+/-0.000 χ^2/NDF : 3297430.6/49

0.335+/-0.000 χ^2/NDF : 1678660.8/25

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.899 $\pm$ 0.000 χ^2 /NDF: 3749888331.0/16

Left Out: 148.432 $\pm$ 0.000 χ^2 /NDF: 12649064.2/6

Right Out: 144.419 $\pm$ 0.000 χ^2 /NDF: 4820290476.6/19

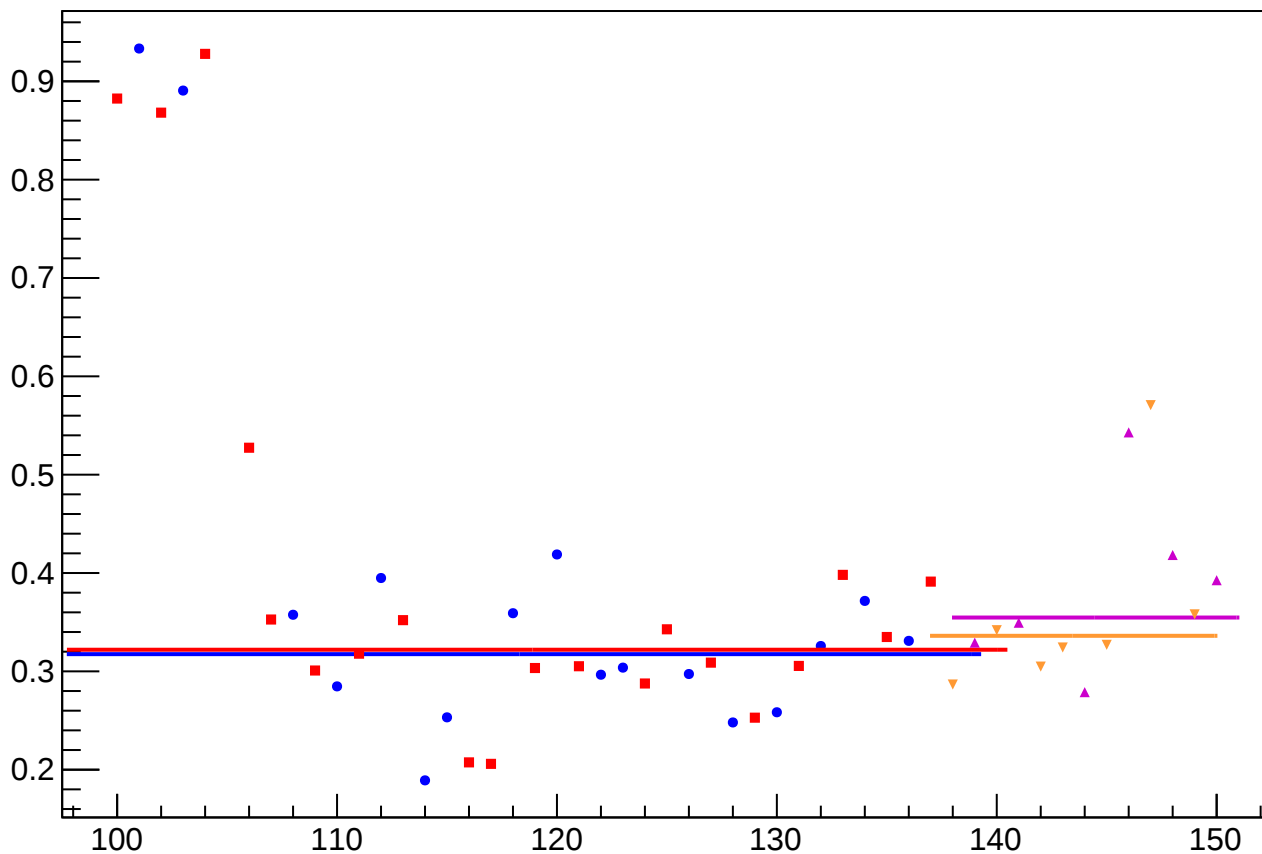
Left In: 148.410 $\pm$ 0.000 χ^2 /NDF: 4079569.1/5

145.824 $\pm$ 0.000 χ^2 /NDF: 4245525994.5/23

145.893 $\pm$ 0.000 χ^2 /NDF: 9420936336.7/

145.964 $\pm$ 0.000 χ^2 /NDF: 5174486573.4/25

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317+/-0.000 χ^2/NDF : 1293179.2/16

Left Out: 0.336+/-0.000 χ^2/NDF : 308918.5/6

Right Out: 0.322+/-0.000 χ^2/NDF : 1243703.4/19

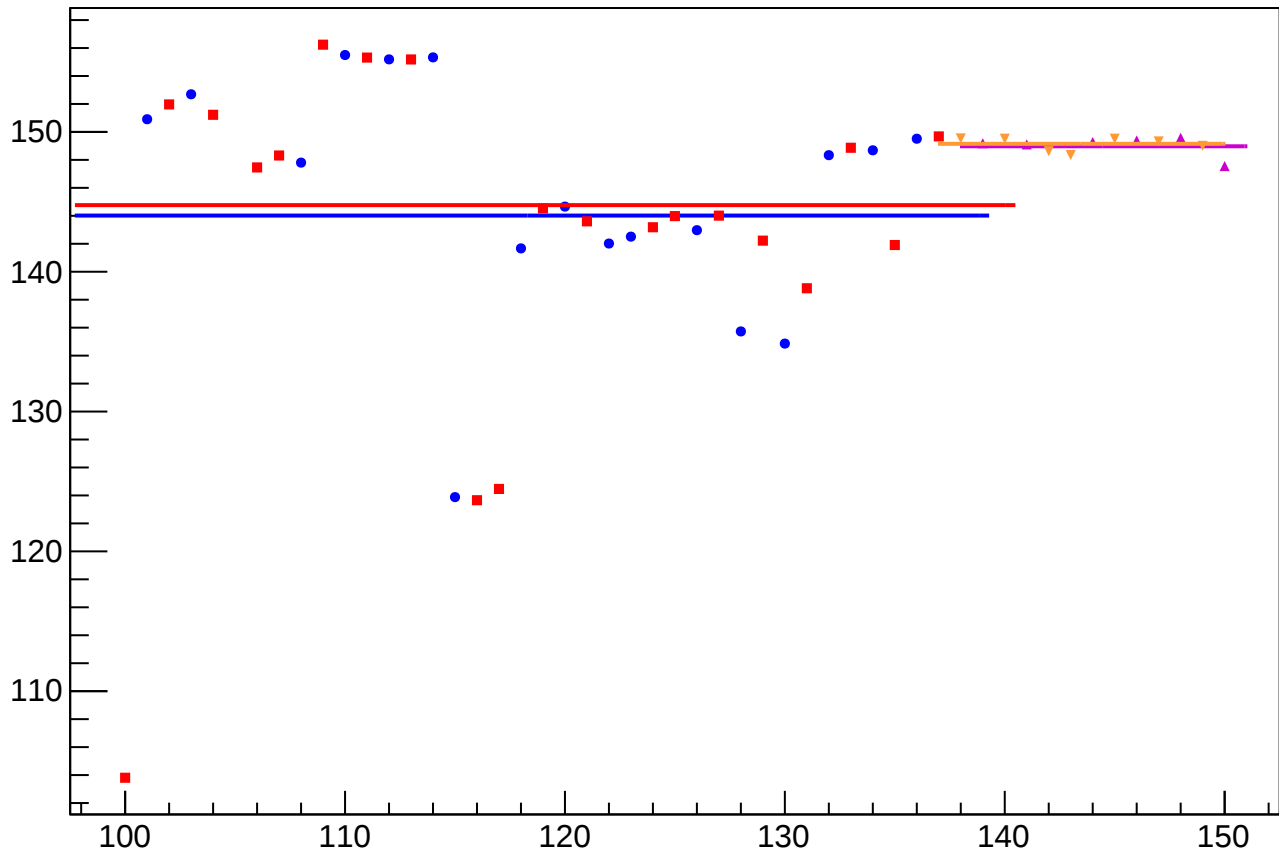
Left In: 0.355+/-0.000 χ^2/NDF : 373873.8/5

0.325+/-0.000 χ^2/NDF : 1618446.9/23

0.330+/-0.000 χ^2/NDF : 3291186.7/49

0.335+/-0.000 χ^2/NDF : 1664666.6/25

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.018+/-0.000 χ^2/NDF : 3238525527.6/16

Left Out: 149.150+/-0.000 χ^2/NDF : 7438925.1/6

Right Out: 144.764+/-0.000 χ^2/NDF : 4098462011.9/19

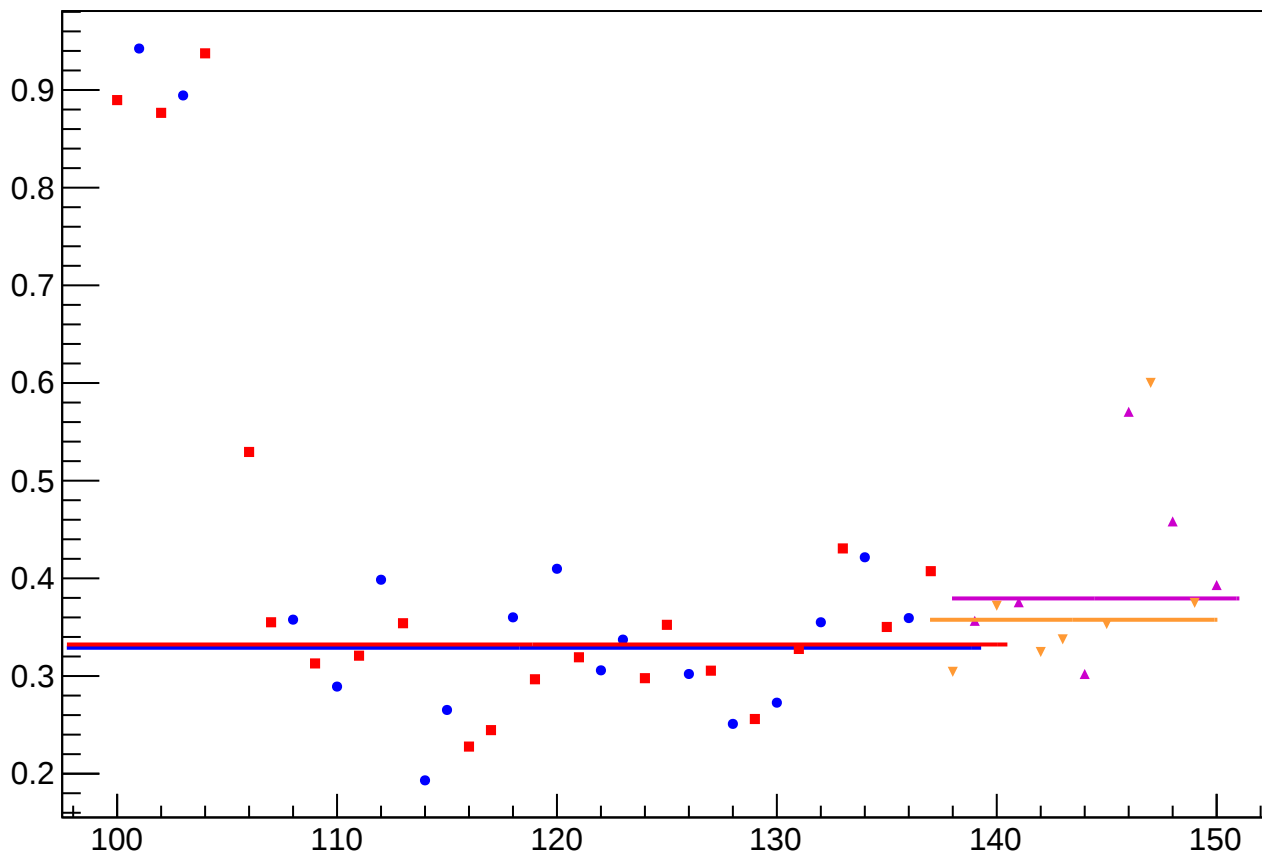
Left In: 148.972+/-0.000 χ^2/NDF : 14013280.9/5

146.124+/-0.000 χ^2/NDF : 3801462441.7/23

146.221+/-0.000 χ^2/NDF : 8265233371.5/25

146.322+/-0.000 χ^2/NDF : 4462086435.4/25

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.329+/-0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.358+/-0.000 χ^2/NDF : 300401.7/6

Right Out: 0.332+/-0.000 χ^2/NDF : 1191637.2/19

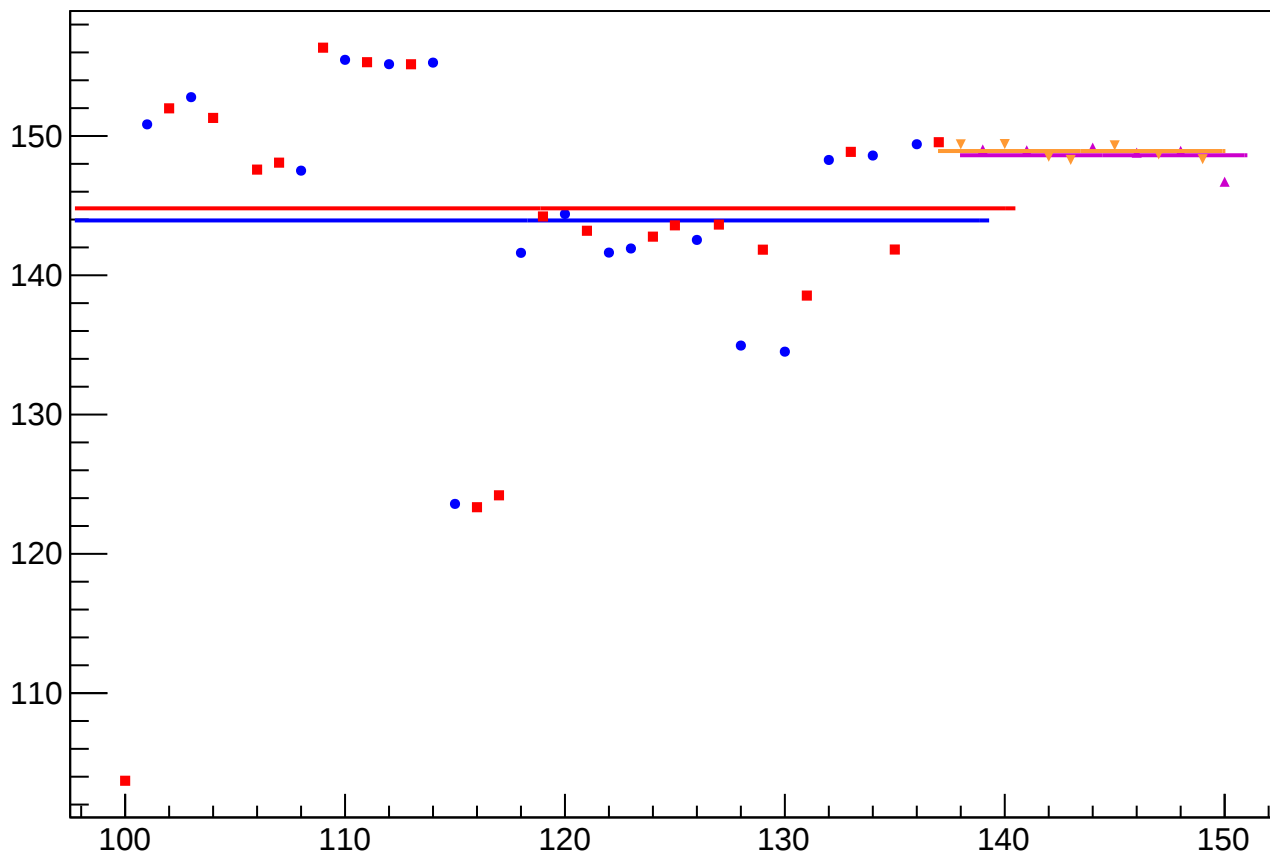
Left In: 0.379+/-0.000 χ^2/NDF : 337707.5/5

0.341+/-0.000 χ^2/NDF : 1611132.7/23

0.345+/-0.000 χ^2/NDF : 3235231.7/49

0.350+/-0.000 χ^2/NDF : 1617097.3/25

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.937 $\pm$ 0.000 χ^2/NDF : 3379203532.9/16

Left Out: 148.921 $\pm$ 0.000 χ^2/NDF : 8929637.6/6

Right Out: 144.806 $\pm$ 0.000 χ^2/NDF : 4139087143.3/19

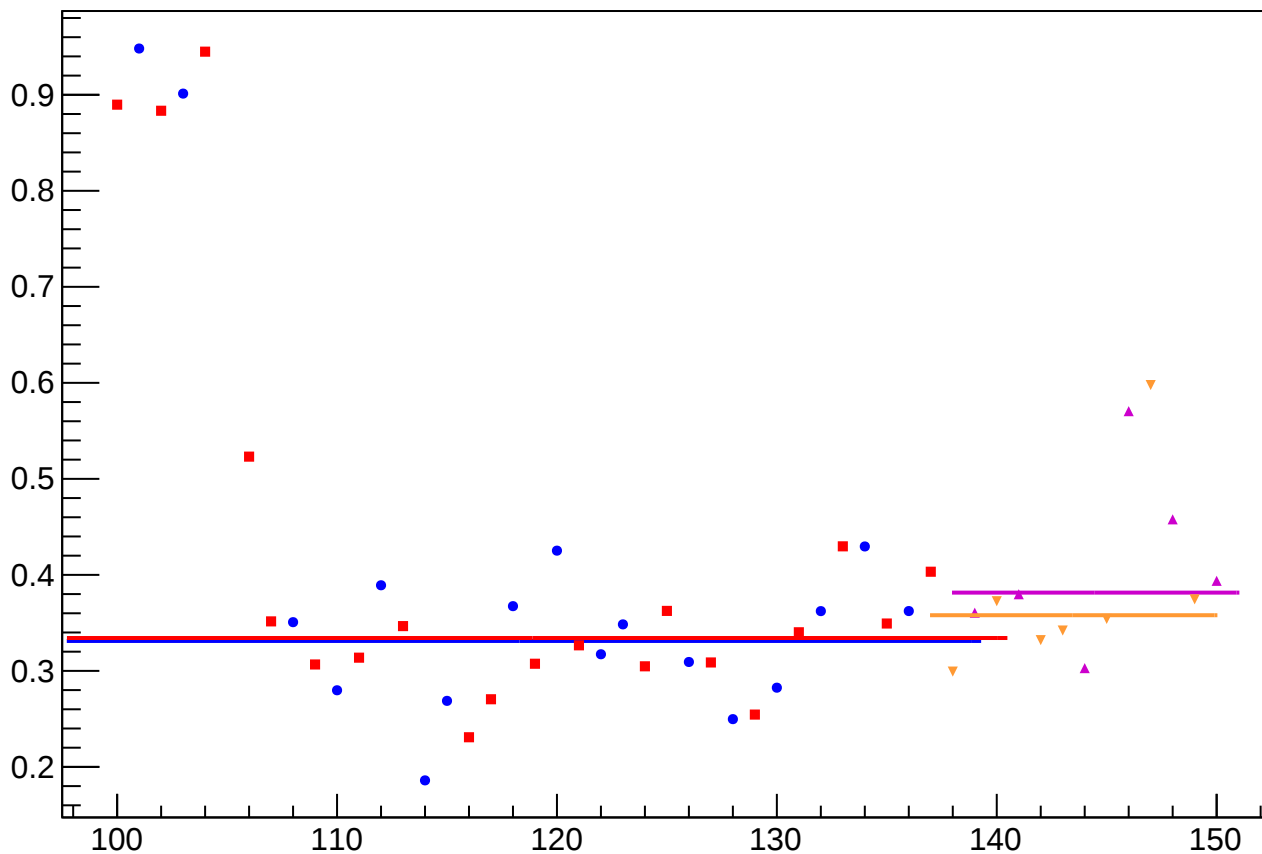
Left In: 148.617 $\pm$ 0.000 χ^2/NDF : 24657169.5/5

145.996 $\pm$ 0.000 χ^2/NDF : 3906380485.3/23

146.104 $\pm$ 0.000 χ^2/NDF : 8354993199.7/7

146.216 $\pm$ 0.000 χ^2/NDF : 4446554286.9/25

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.331+/-0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.358+/-0.000 χ^2/NDF : 301314.7/6

Right Out: 0.334+/-0.000 χ^2/NDF : 1176170.4/19

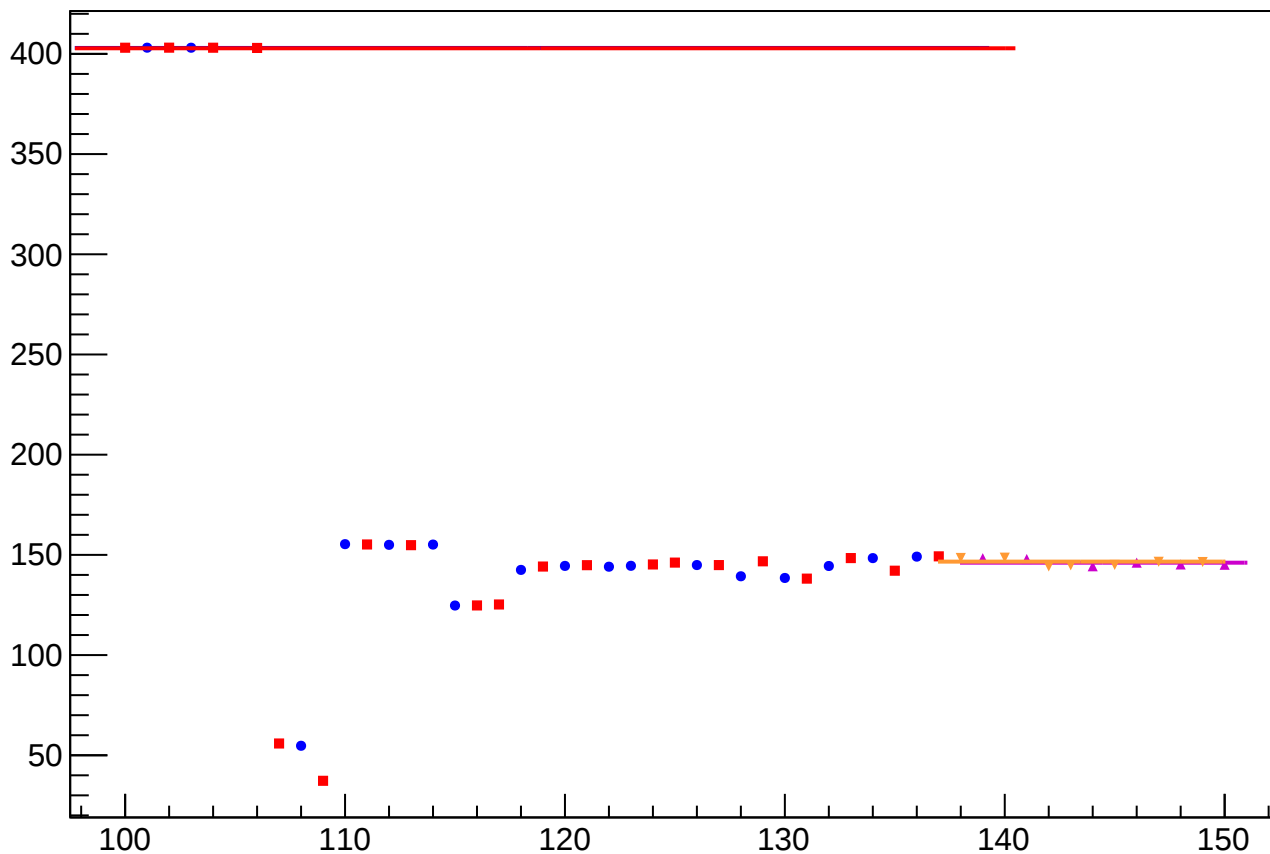
Left In: 0.382+/-0.000 χ^2/NDF : 331102.6/5

0.342+/-0.000 χ^2/NDF : 1627048.1/23

0.347+/-0.000 χ^2/NDF : 3228978.7/49

0.352+/-0.000 χ^2/NDF : 1594296.4/25

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.957+/-0.000 χ^2/NDF : 1096710296821.6/16

Left Out: 146.636+/-0.000 χ^2/NDF : 21627060.1/6

Right Out: 402.797+/-0.000 χ^2/NDF : 3122752044607.2/19

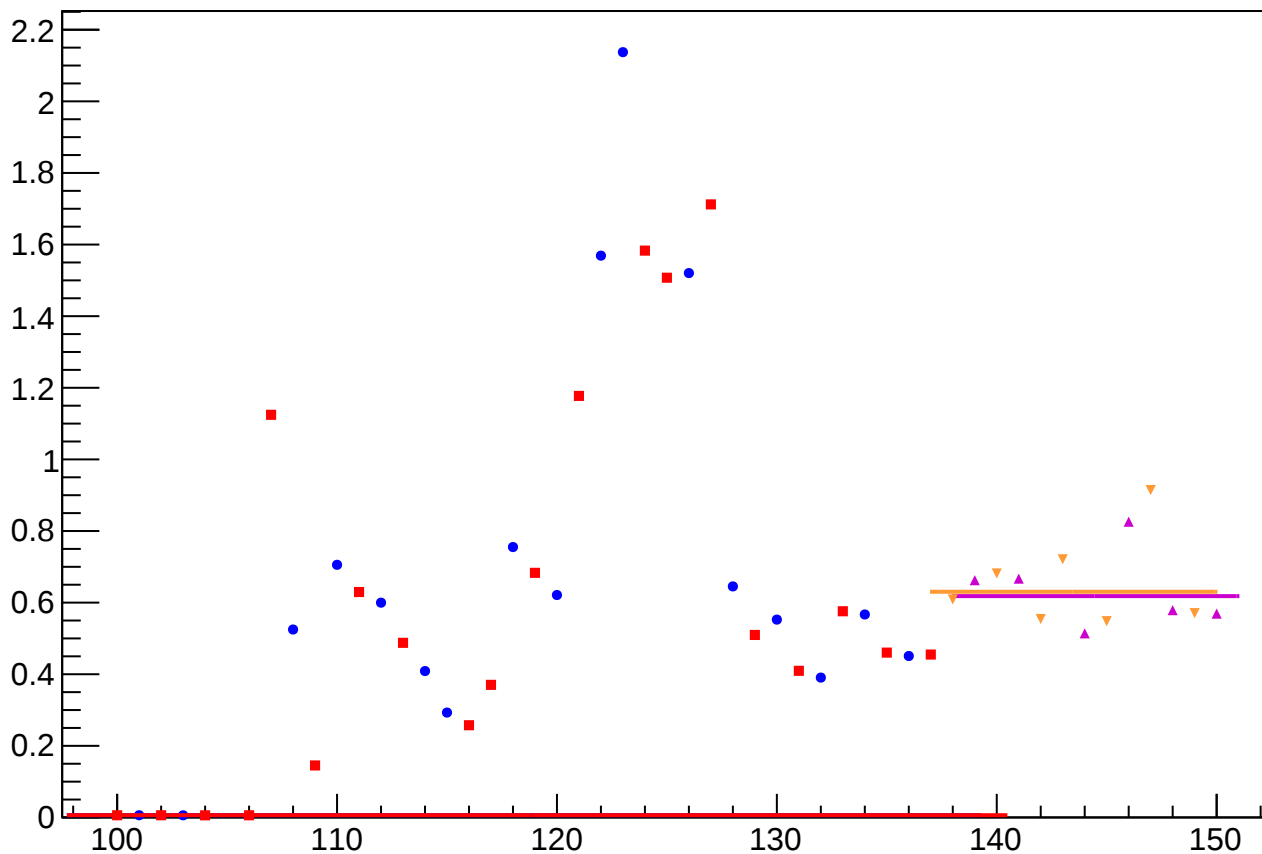
Left In: 146.102+/-0.000 χ^2/NDF : 19643023.7/5

402.891+/-0.000 χ^2/NDF : 1625792248571.0/23

402.809+/-0.000 χ^2/NDF : 528820464769

402.737+/-0.000 χ^2/NDF : 3662020337325.1/25

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.630+/-0.000 χ^2/NDF :157923.0/6

Right Out: 0.006+/-0.000 χ^2/NDF : 9277290.2/19

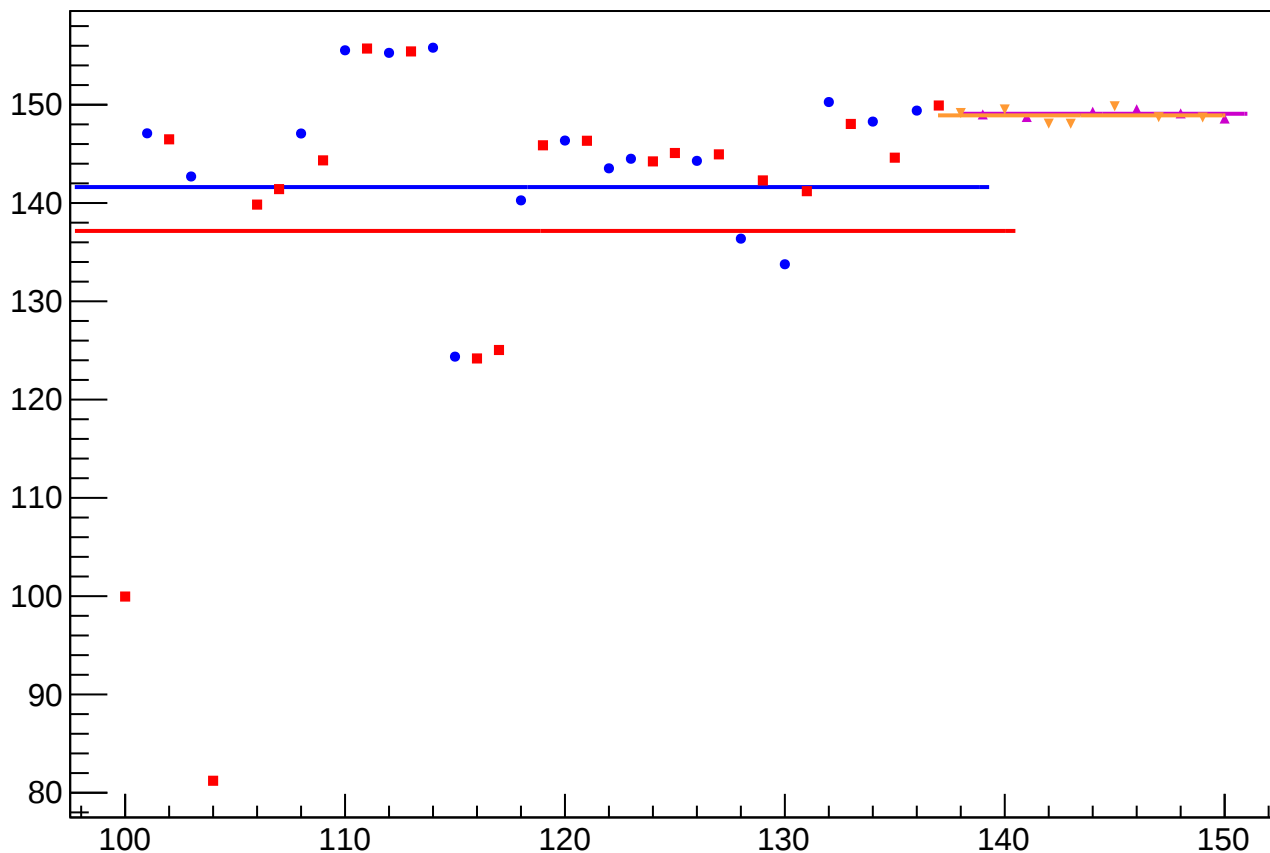
Left In: 0.618+/-0.000 χ^2/NDF :129211.9/5

0.006+/-0.000 χ^2/NDF : 15590255.6/23

0.006+/-0.000 χ^2/NDF : 31123900.7/49

0.006+/-0.000 χ^2/NDF : 15533619.1/25

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.622+/-0.000 χ^2/NDF : 982037737.7/16

Left Out: 148.917+/-0.000 χ^2/NDF : 6722882.3/6

Right Out: 137.160+/-0.000 χ^2/NDF : 1365742338.8/19

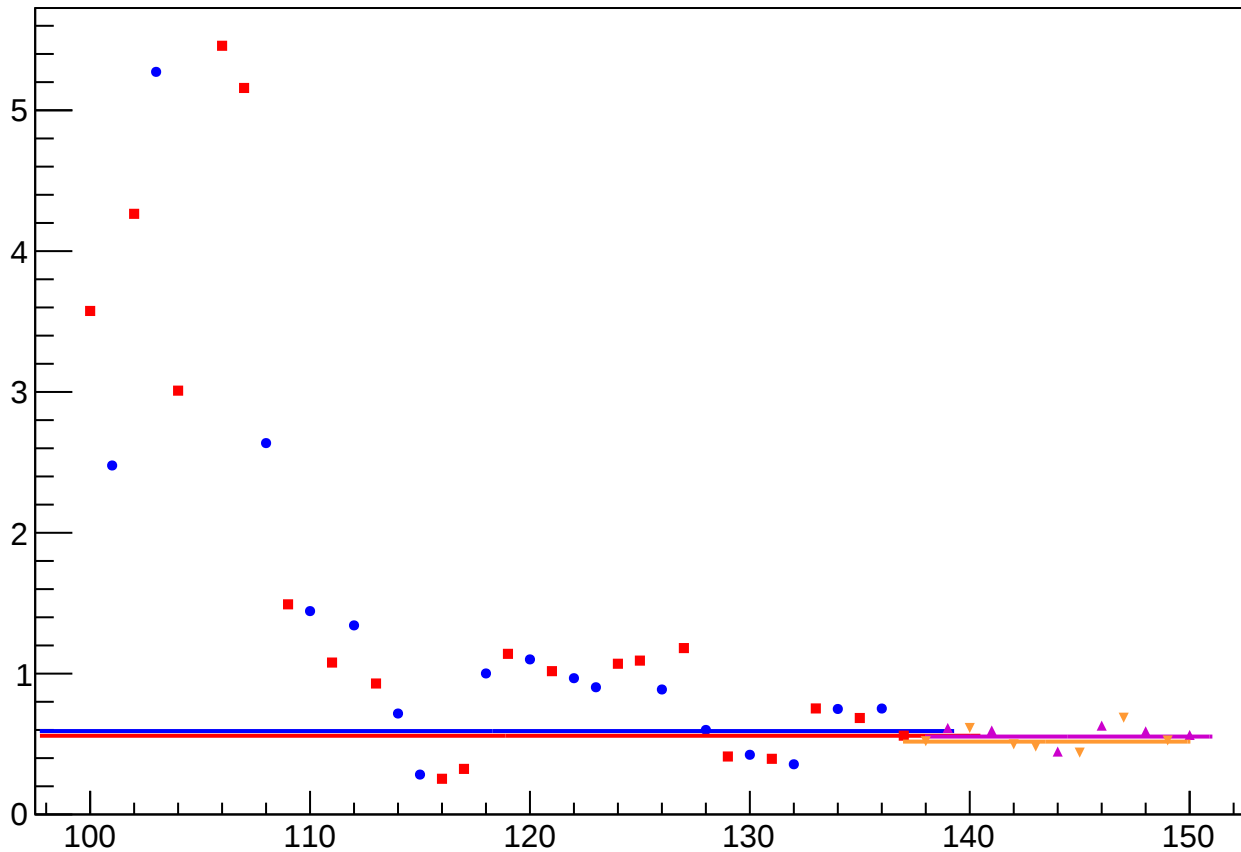
Left In: 149.080+/-0.000 χ^2/NDF : 1344108.0/5

145.924+/-0.000 χ^2/NDF : 1306310333.1/23

144.777+/-0.000 χ^2/NDF : 3578540055.4/25

143.587+/-0.000 χ^2/NDF : 2206147086.6/25

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.592+/-0.000 χ^2/NDF : 3521577.2/16

Left Out: 0.517+/-0.000 χ^2/NDF : 162676.3/6

Right Out: 0.559+/-0.000 χ^2/NDF : 4719868.1/19

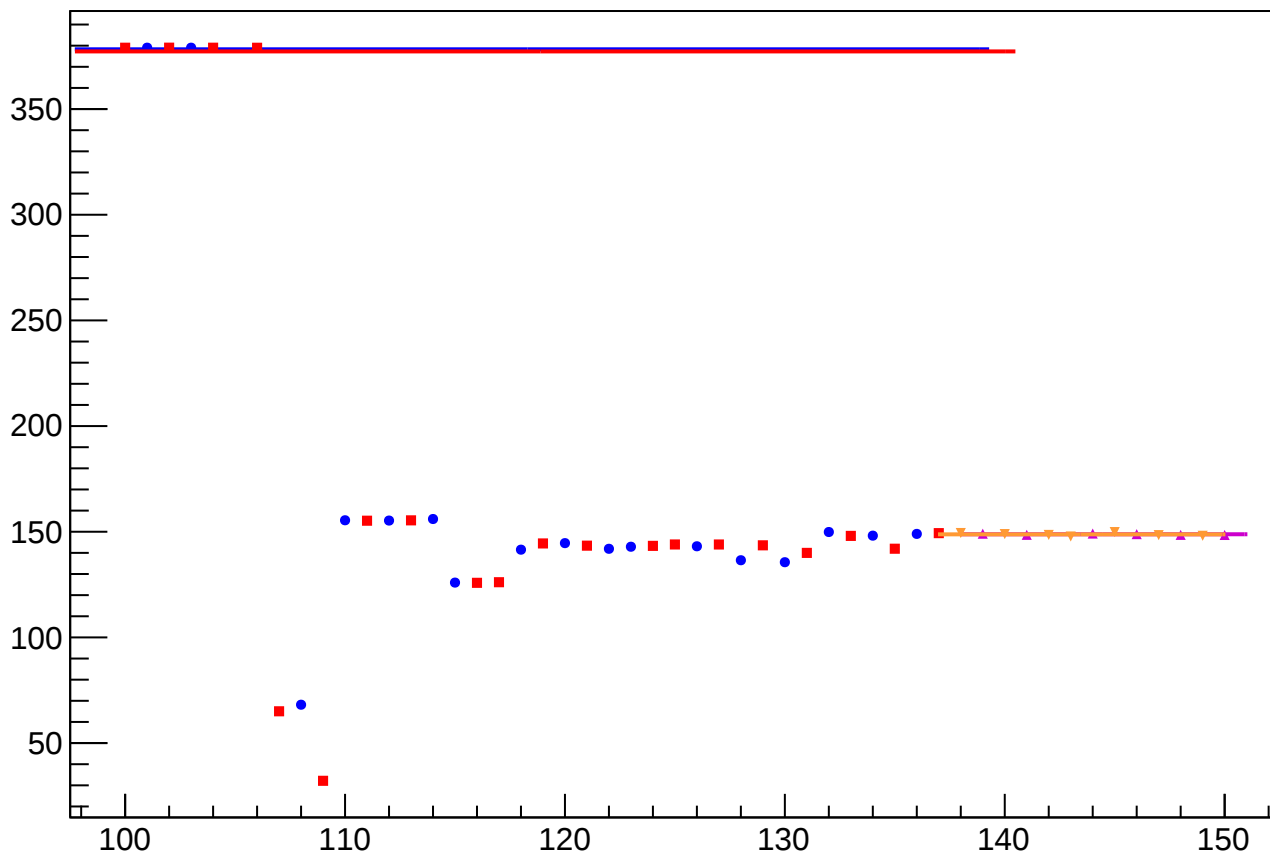
Left In: 0.553+/-0.000 χ^2/NDF : 126771.7/5

0.548+/-0.000 χ^2/NDF : 3751416.7/23

0.552+/-0.000 χ^2/NDF : 8599890.5/49

0.556+/-0.000 χ^2/NDF : 4847034.3/25

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16

Left Out: 148.768+/-0.000 χ^2/NDF : 16211298.6/6

Right Out: 377.282+/-0.000 χ^2/NDF : 8306405788315.4/19

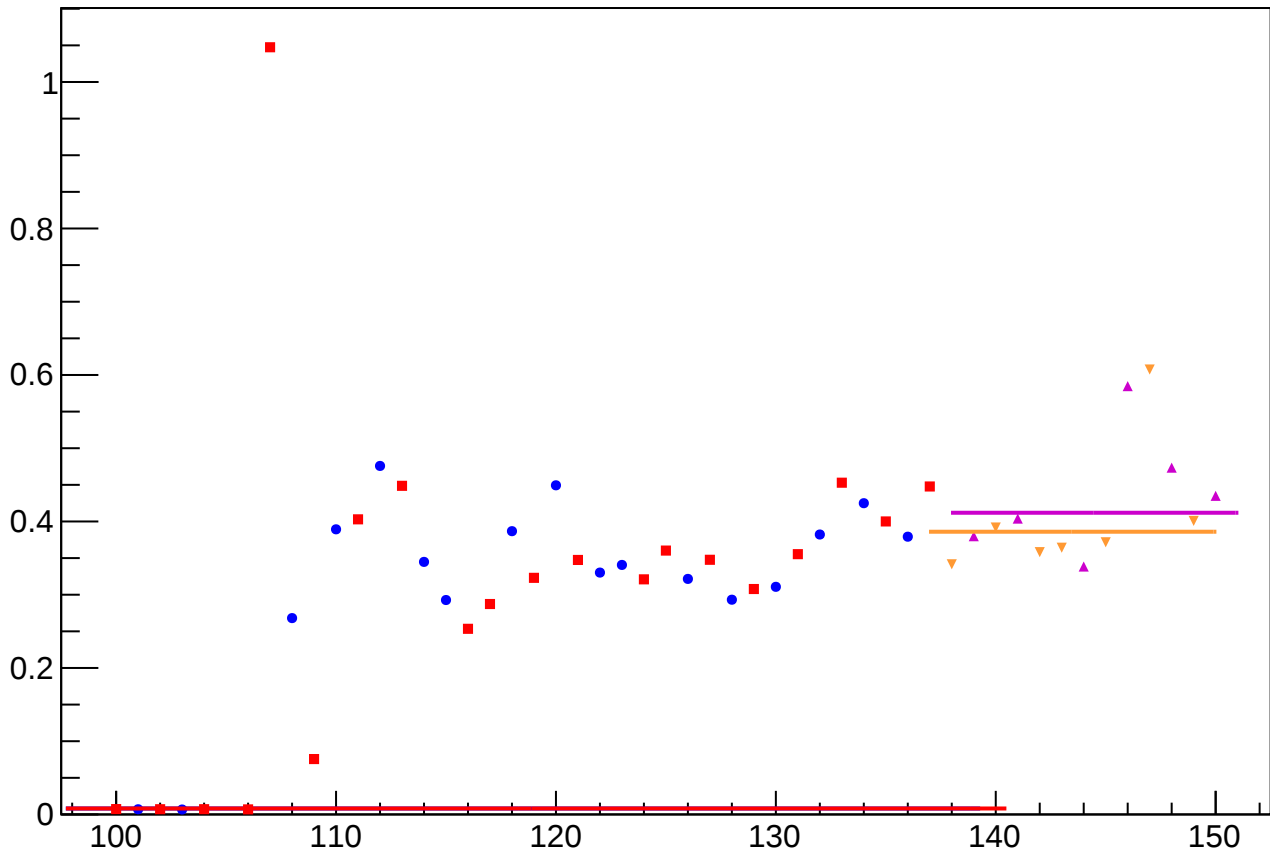
Left In: 148.810+/-0.000 χ^2/NDF : 2257769.6/5

377.741+/-0.000 χ^2/NDF : 4164380471380.9/23

377.279+/-0.000 χ^2/NDF : 138899123510

376.875+/-0.000 χ^2/NDF : 9720196198459.6/25

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.386 $\pm$ 0.000 χ^2/NDF : 234582.4/6

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 9601959.4/19

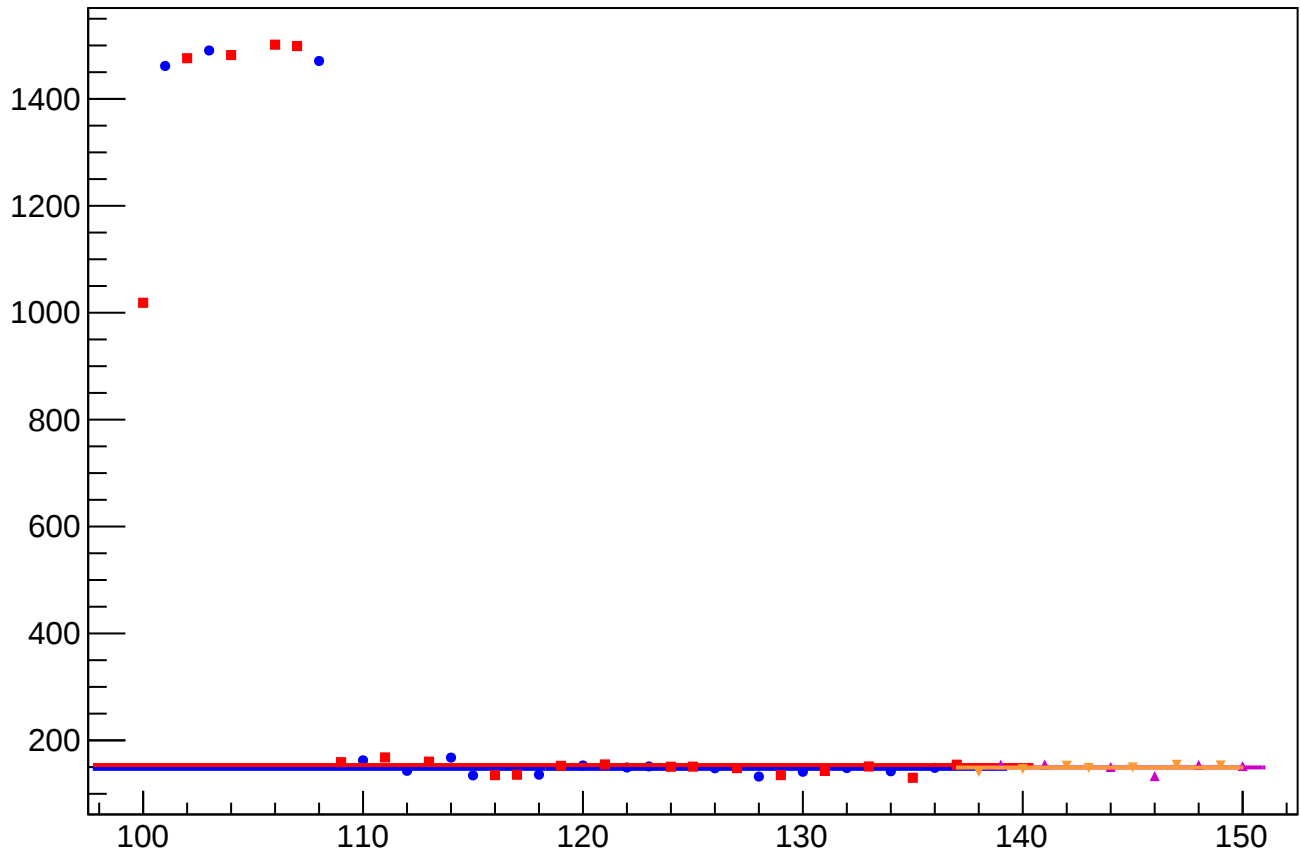
Left In: 0.412 $\pm$ 0.000 χ^2/NDF : 259655.6/5

0.009 $\pm$ 0.000 χ^2/NDF : 19076762.6/23

0.009 $\pm$ 0.000 χ^2/NDF : 37768790.4/49

0.009 $\pm$ 0.000 χ^2/NDF : 18691739.9/25

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 149.096+/-0.000 χ^2/NDF : 96353205.2/6

Right Out: 153.818+/-0.000 χ^2/NDF : 33744777744.4/19

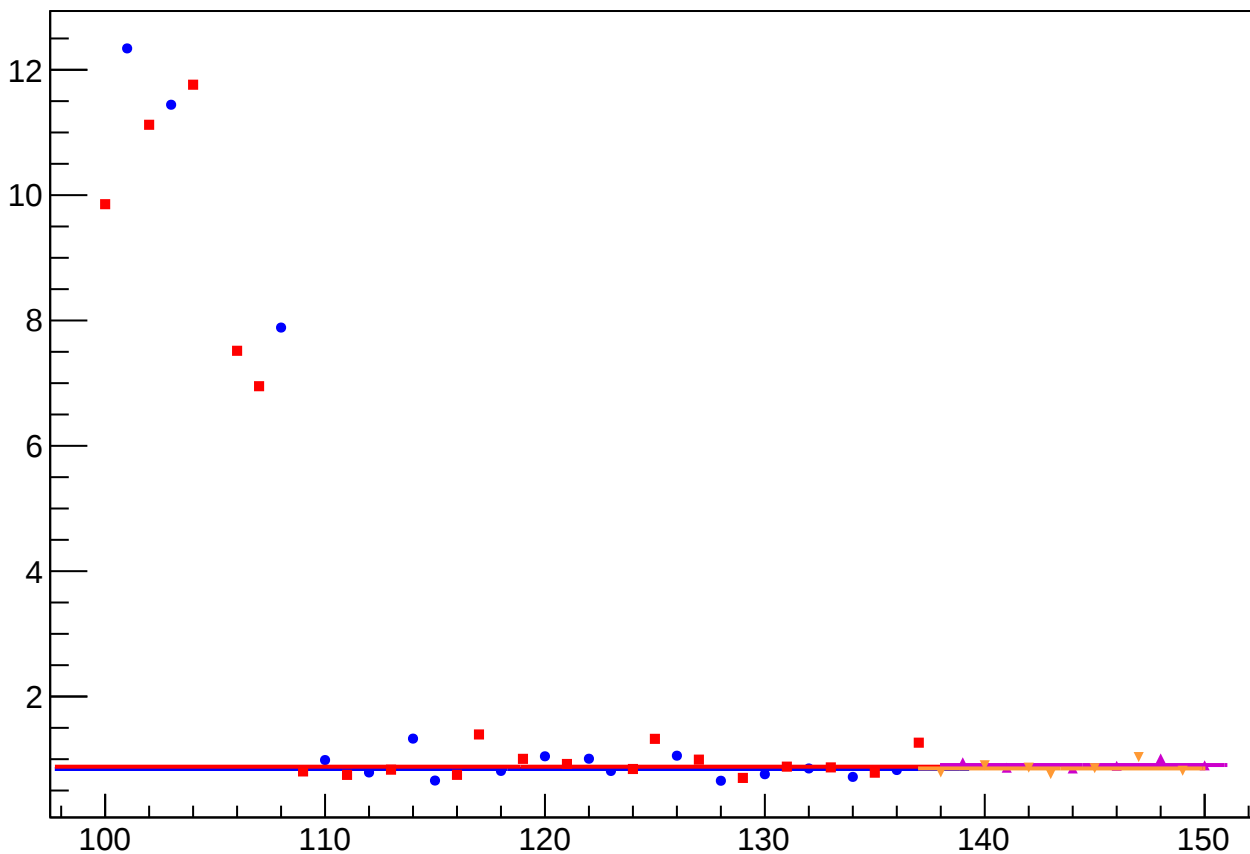
Left In: 149.346+/-0.000 χ^2/NDF : 289026016.0/5

147.876+/-0.000 χ^2/NDF : 24461877434.9/23

149.759+/-0.000 χ^2/NDF : 58620919786.8

151.710+/-0.000 χ^2/NDF : 34083856554.8/25

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.844+/-0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.852+/-0.000 χ^2/NDF : 67543.7/6

Right Out: 0.880+/-0.000 χ^2/NDF : 2823230.1/19

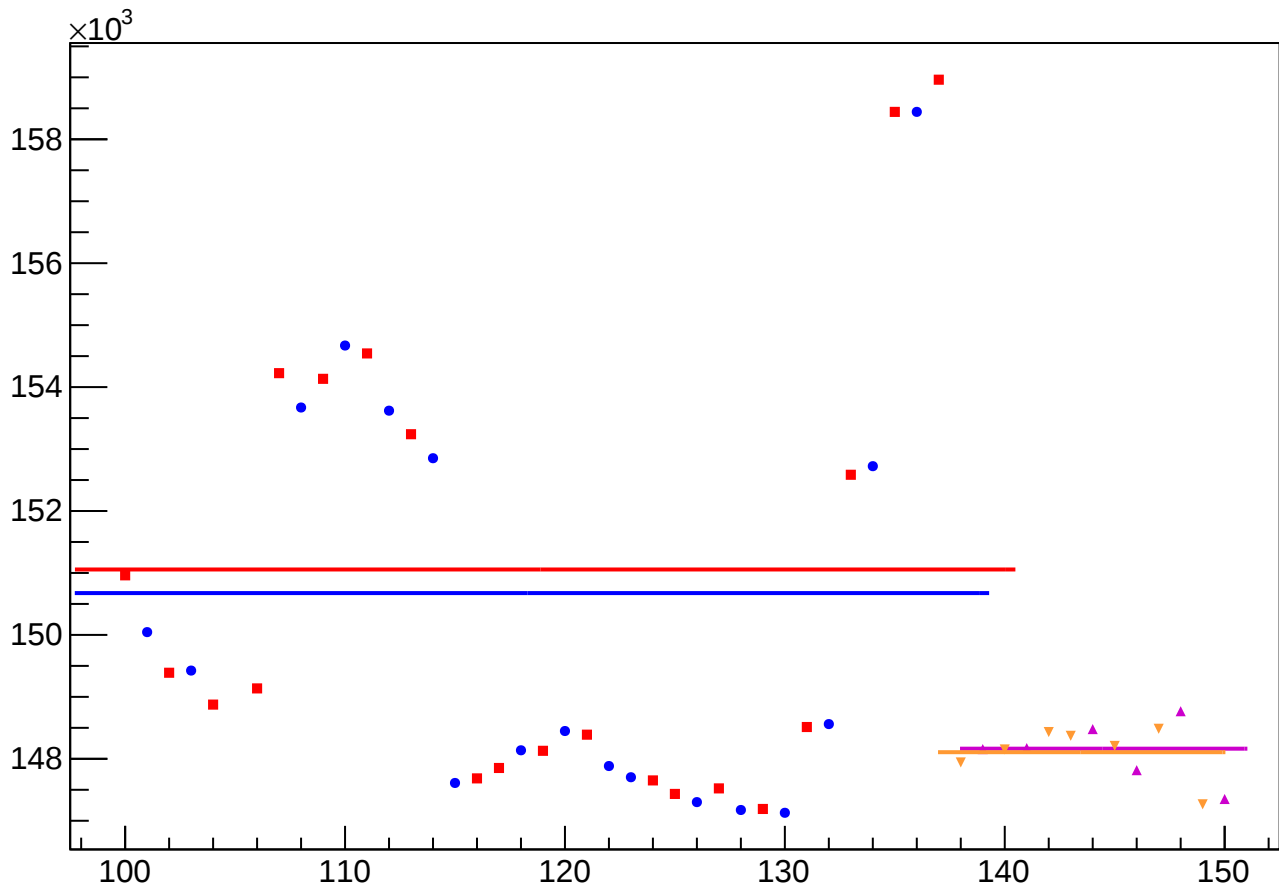
Left In: 0.907+/-0.000 χ^2/NDF : 26406.6/5

0.848+/-0.000 χ^2/NDF : 2738409.6/23

0.870+/-0.000 χ^2/NDF : 5612131.2/49

0.893+/-0.000 χ^2/NDF : 2853131.8/25

yield_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 150675.025 $\pm$ 0.063 χ^2 /NDF: 3309974859.4/16

Left Out: 148106.875 $\pm$ 0.085 χ^2 /NDF:19864548.6/6

Right Out: 151056.044 $\pm$ 0.059 χ^2 /NDF: 3325519080.9/19

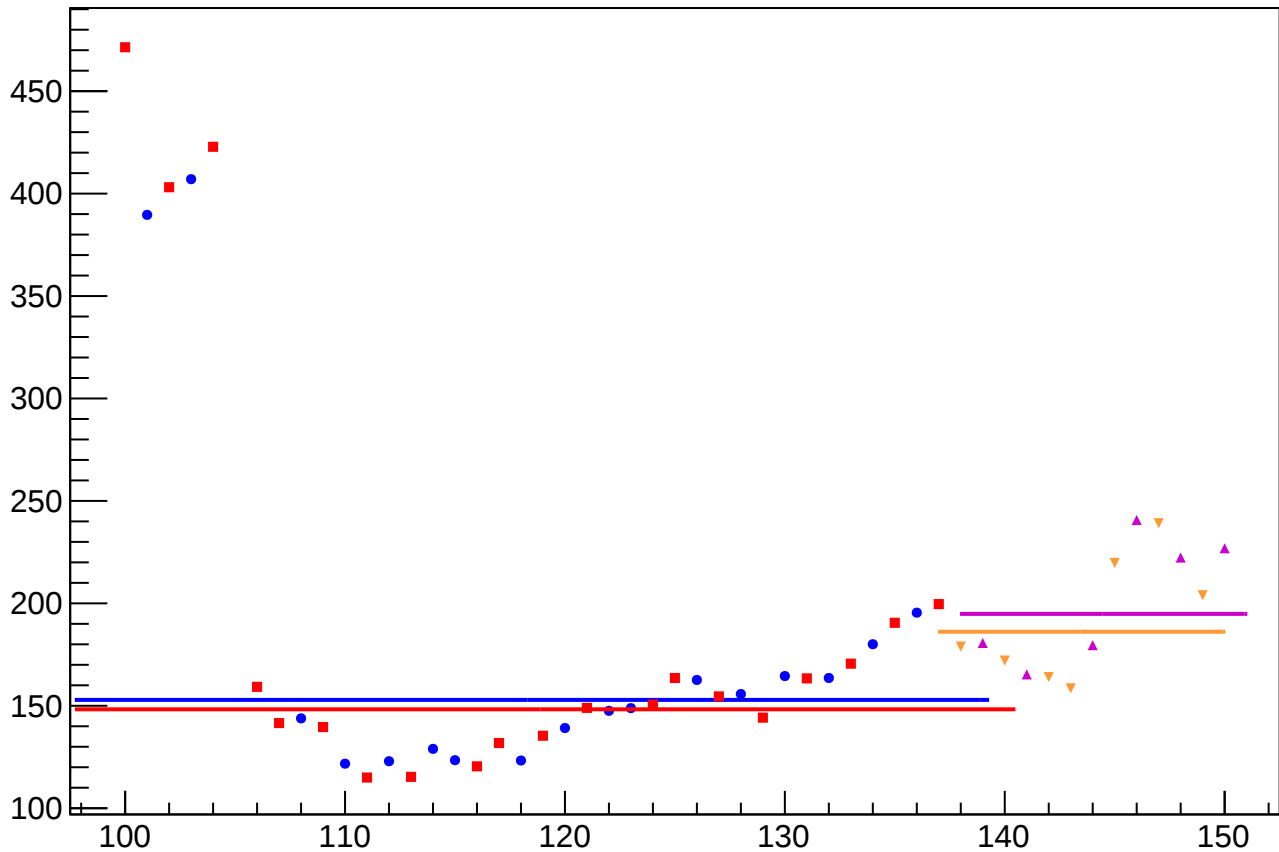
Left In: 148163.577 $\pm$ 0.090 χ^2 /NDF:21159775.3/5

149764.127 $\pm$ 0.051 χ^2 /NDF: 3919958839.0/23

149973.579 $\pm$ 0.035 χ^2 /NDF: 802177971

150174.717 $\pm$ 0.050 χ^2 /NDF: 4068202797.4/25

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 152.883 $\pm$ 0.045 χ^2 /NDF: 1154088.7/16

Left Out: 186.162 $\pm$ 0.060 χ^2 /NDF:192093.0/6

Right Out: 148.278 $\pm$ 0.042 χ^2 /NDF: 1192879.8/19

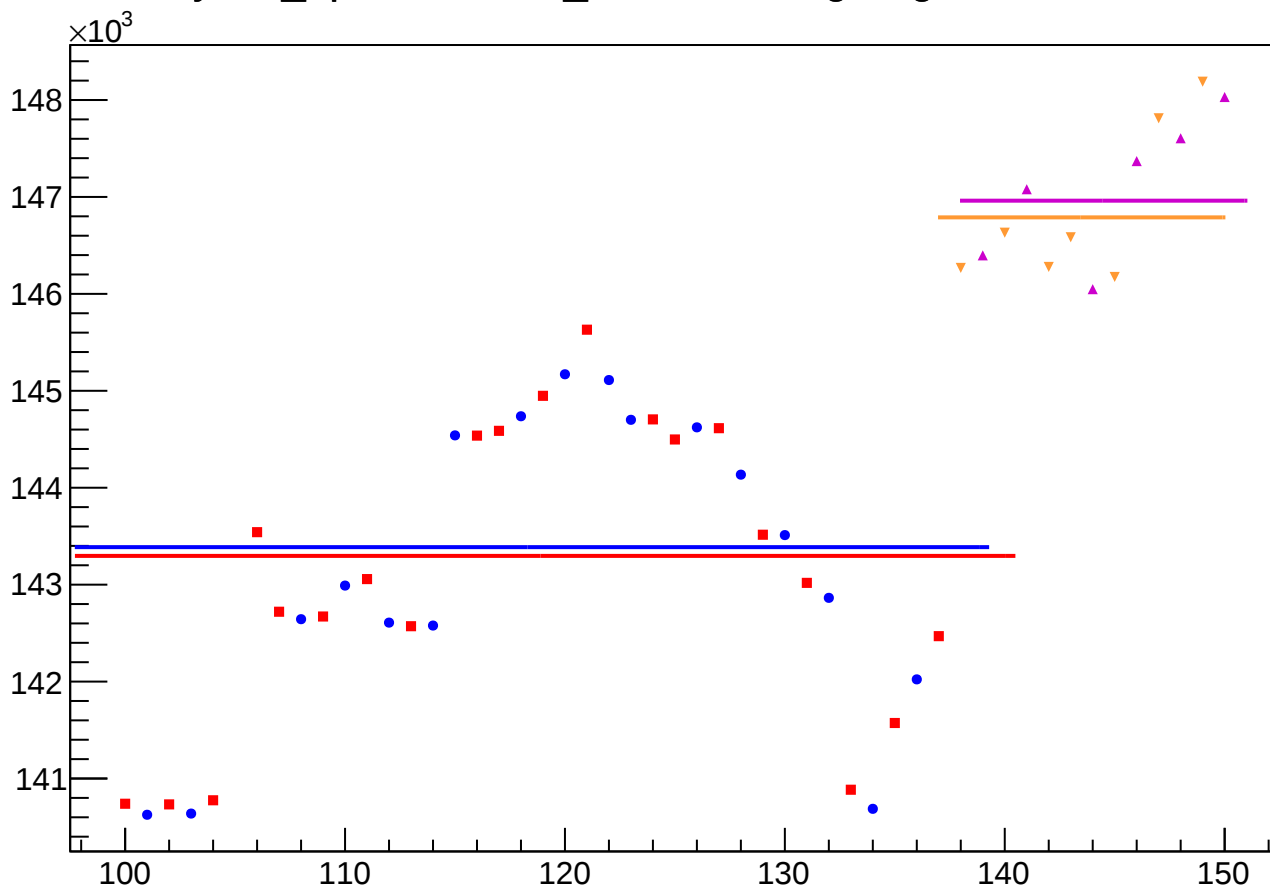
Left In: 194.862 $\pm$ 0.063 χ^2 /NDF:189730.4/5

164.687 $\pm$ 0.036 χ^2 /NDF: 1544359.5/23

163.557 $\pm$ 0.025 χ^2 /NDF: 3303221.7/49

162.472 $\pm$ 0.035 χ^2 /NDF: 1756906.5/25

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 143387.099 ± 0.053 $\chi^2/\text{NDF}: 521299875.7/16$

Left Out: 146789.160 ± 0.085 $\chi^2/\text{NDF}: 67195659.8/6$

Right Out: 143296.790 ± 0.049 $\chi^2/\text{NDF}: 615134284.0/19$

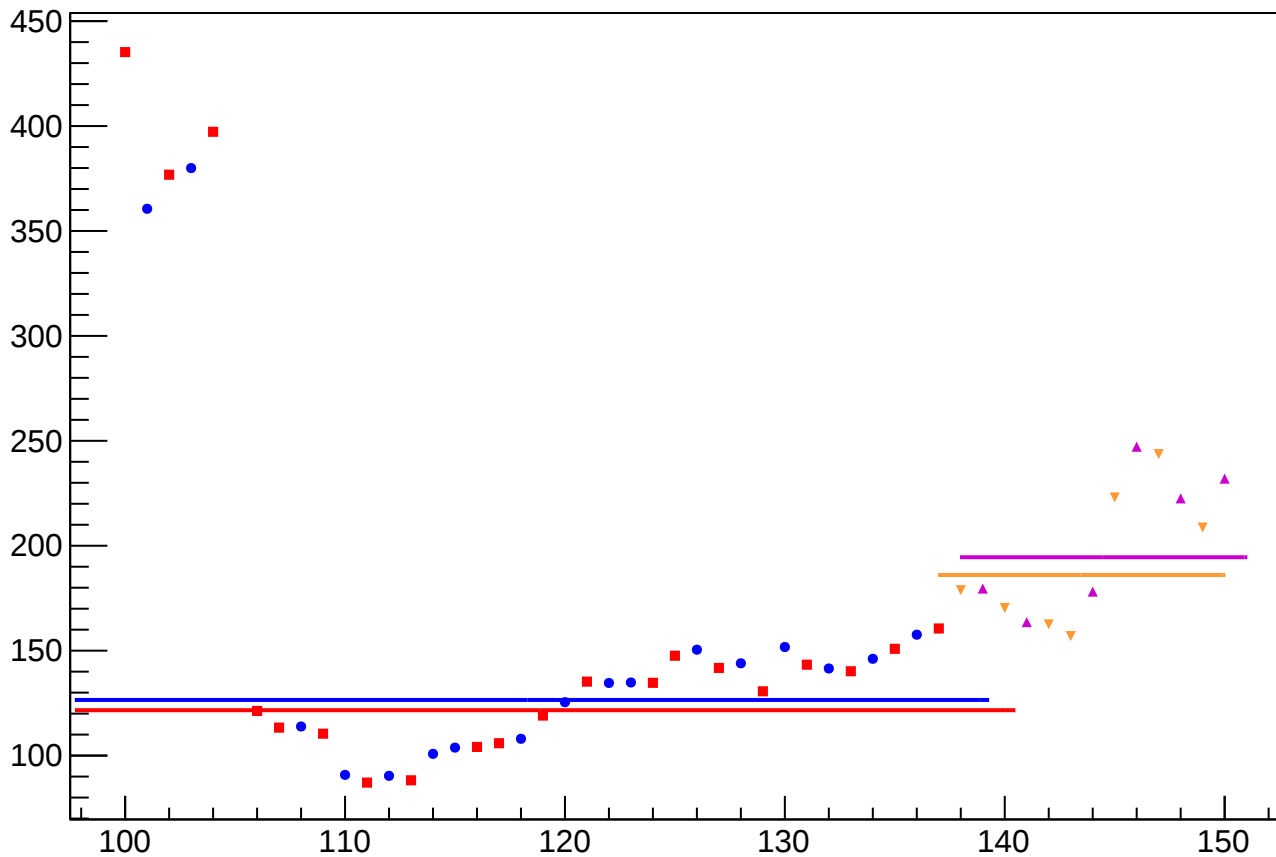
Left In: 146961.472 ± 0.090 $\chi^2/\text{NDF}: 56265629.2/5$

144330.334 ± 0.045 $\chi^2/\text{NDF}: 1742870167.2/23$

144227.083 ± 0.031 $\chi^2/\text{NDF}: 370634292$

144132.317 ± 0.043 $\chi^2/\text{NDF}: 1953296428.8/25$

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 126.514 $\pm$ 0.037 χ^2/NDF : 1441685.0/16

Left Out: 186.064 $\pm$ 0.060 χ^2/NDF :225197.6/6

Right Out: 121.625 $\pm$ 0.035 χ^2/NDF : 1465763.8/19

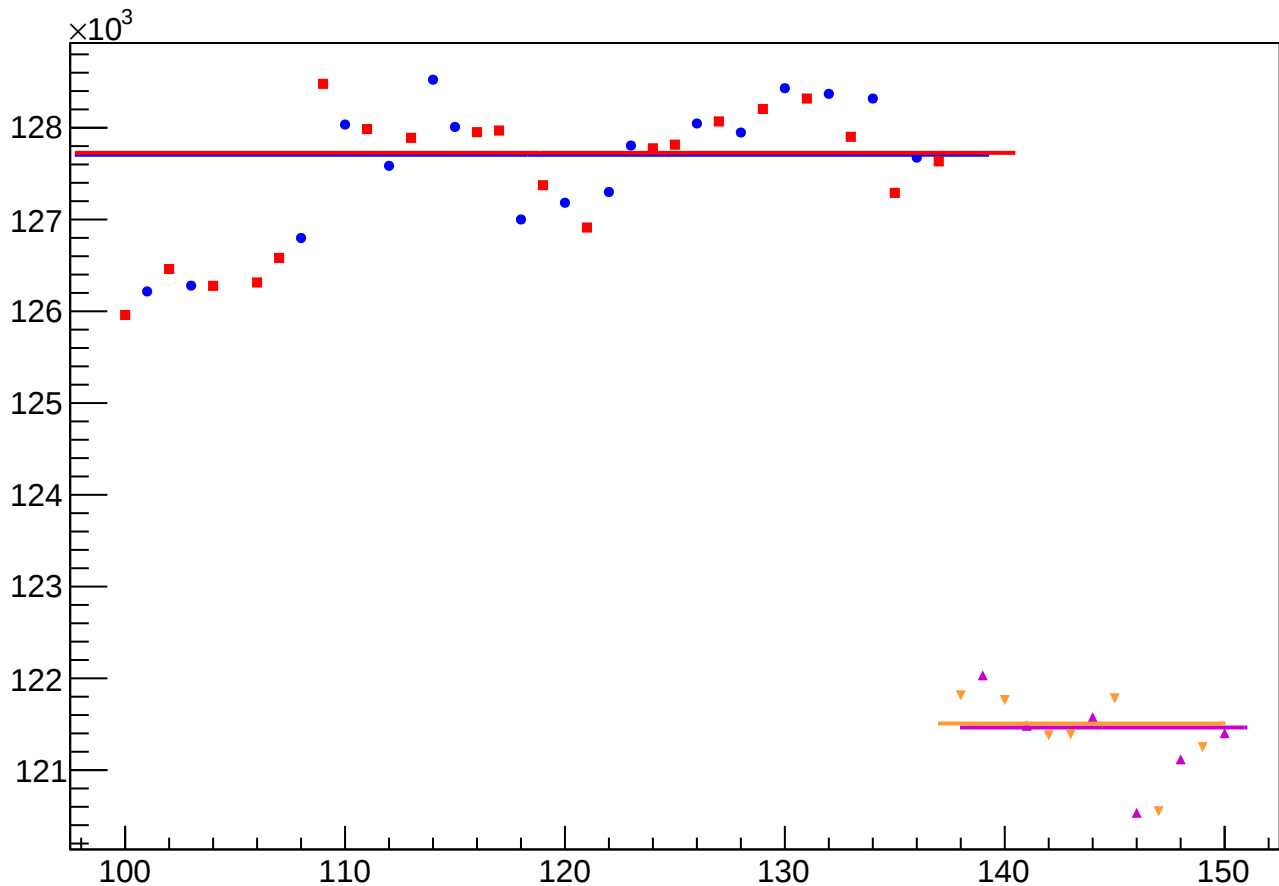
Left In: 194.523 $\pm$ 0.064 χ^2/NDF :224318.7/5

143.025 $\pm$ 0.032 χ^2/NDF : 2374274.1/23

140.533 $\pm$ 0.022 χ^2/NDF : 5090667.1/49

138.246 $\pm$ 0.030 χ^2/NDF : 2704538.3/25

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127706.194 $\pm$ 0.058 χ^2 /NDF: 97860521.1/16

Left Out: 121508.022 $\pm$ 0.073 χ^2 /NDF: 20478388.3/6

Right Out: 127726.708 $\pm$ 0.054 χ^2 /NDF: 112816704.3/19

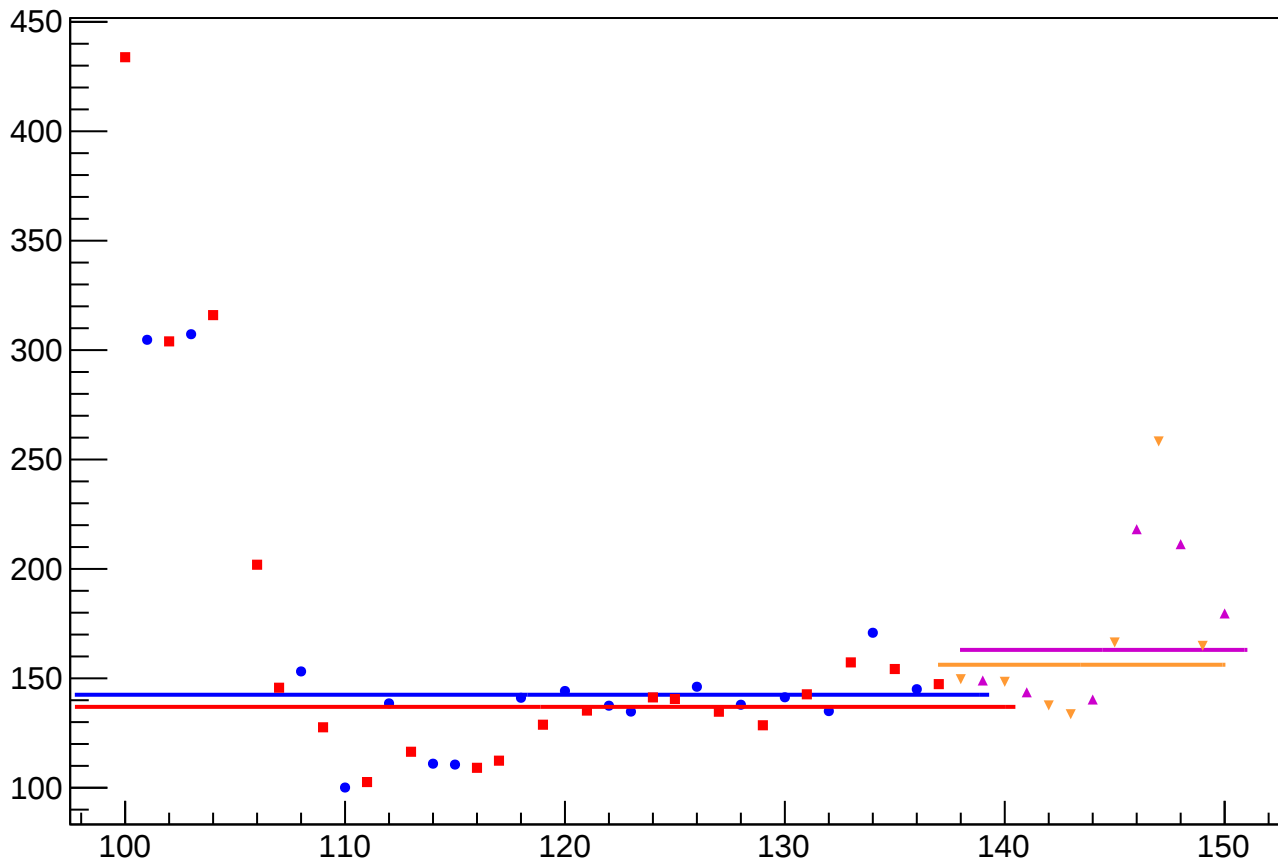
Left In: 121464.259 $\pm$ 0.076 χ^2 /NDF: 26578549.8/5

125285.519 $\pm$ 0.045 χ^2 /NDF: 4569331720.5/23

125455.371 $\pm$ 0.032 χ^2 /NDF: 922525010

125616.736 $\pm$ 0.044 χ^2 /NDF: 4628534299.4/25

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.502 +/- 0.041 χ^2/NDF : 836263.7/16

Left Out: 156.210 +/- 0.051 χ^2/NDF : 308850.0/6

Right Out: 136.963 +/- 0.038 χ^2/NDF : 961465.0/19

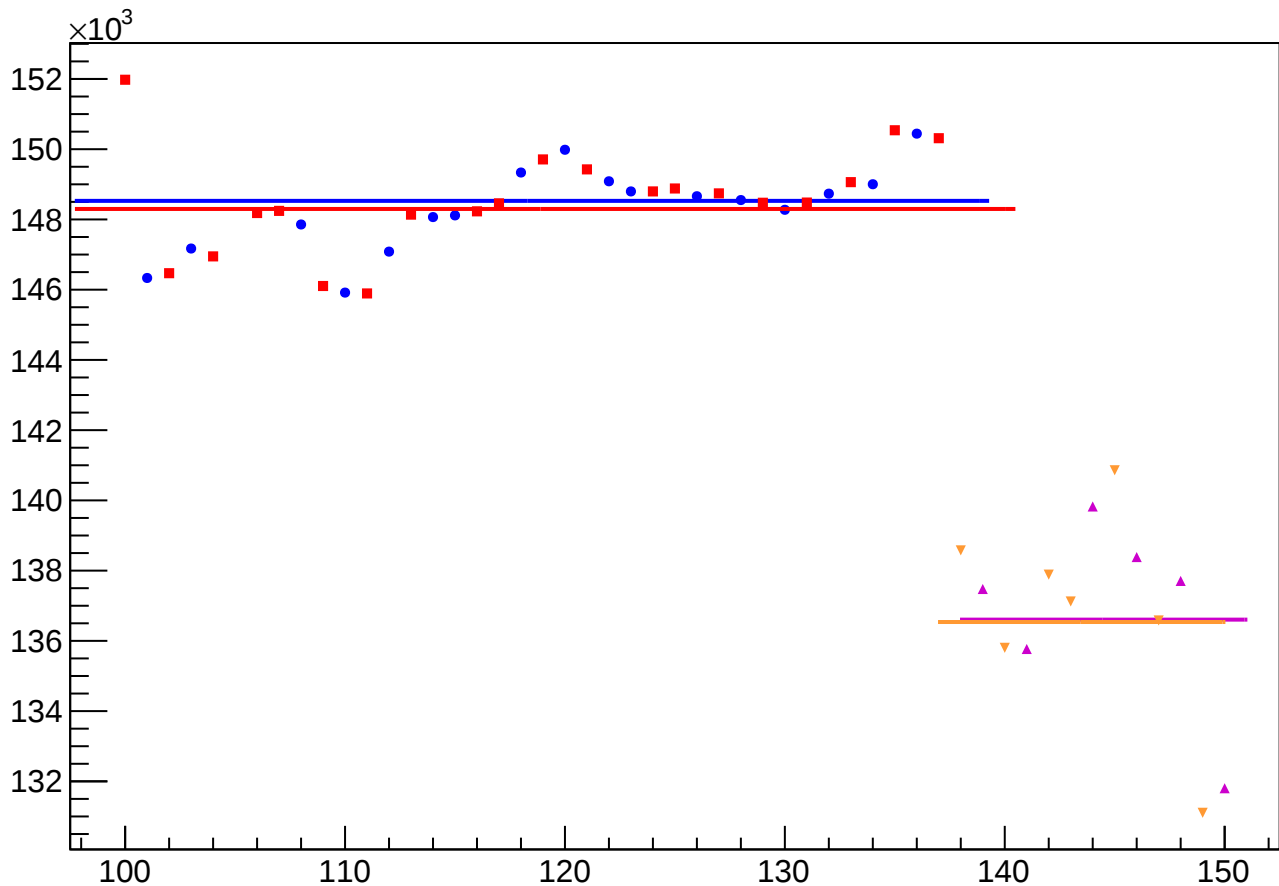
Left In: 163.003 +/- 0.054 χ^2/NDF : 280295.1/5

147.856 +/- 0.032 χ^2/NDF : 1188661.5/23

146.769 +/- 0.022 χ^2/NDF : 2587895.3/49

145.737 +/- 0.031 χ^2/NDF : 1396992.5/25

yield_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 148528.851 $\pm$ 0.082 χ^2 /NDF: 209986594.2/16

Left Out: 136537.073 $\pm$ 0.108 χ^2 /NDF: 710492766.3/6

Right Out: 148298.586 $\pm$ 0.076 χ^2 /NDF: 293284830.9/19

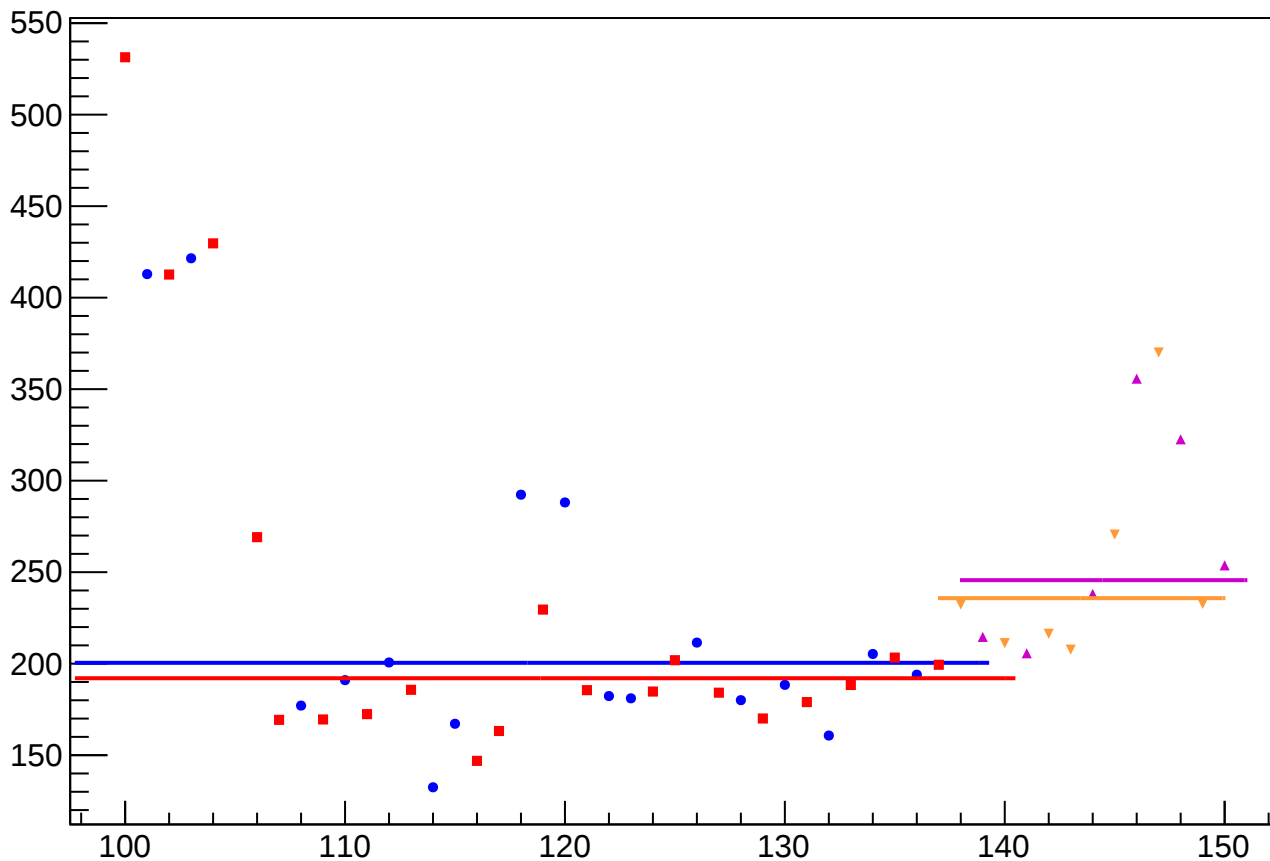
Left In: 136604.790 $\pm$ 0.115 χ^2 /NDF: 512365650.7/5

144164.486 $\pm$ 0.065 χ^2 /NDF: 8690601738.7/23

144452.601 $\pm$ 0.046 χ^2 /NDF: 167612291

144722.708 $\pm$ 0.063 χ^2 /NDF: 8033086848.5/25

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 200.472 $\pm$ 0.058 χ^2/NDF : 936547.2/16

Left Out: 235.798 $\pm$ 0.077 χ^2/NDF : 280212.5/6

Right Out: 192.040 $\pm$ 0.054 χ^2/NDF : 847133.0/19

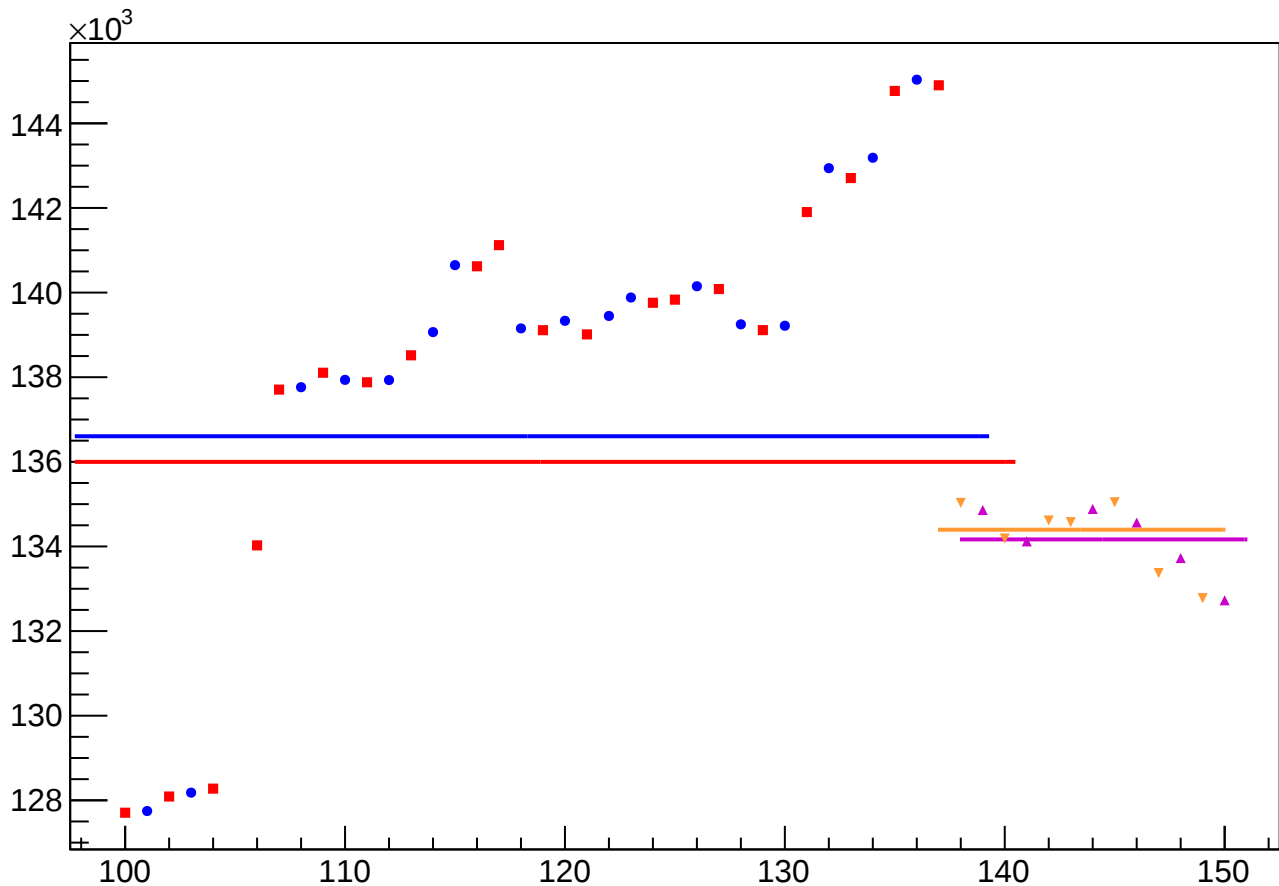
Left In: 245.632 $\pm$ 0.081 χ^2/NDF : 331706.7/5

213.329 $\pm$ 0.046 χ^2/NDF : 1351615.9/23

210.799 $\pm$ 0.032 χ^2/NDF : 2839835.3/49

208.428 $\pm$ 0.045 χ^2/NDF : 1482432.6/25

yield_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16

Left Out: 134395.880 $\pm$ 0.252 χ^2 /NDF: 8807857.4/6

Right Out: 135998.851 $\pm$ 0.182 χ^2 /NDF: 1084895879.4/19

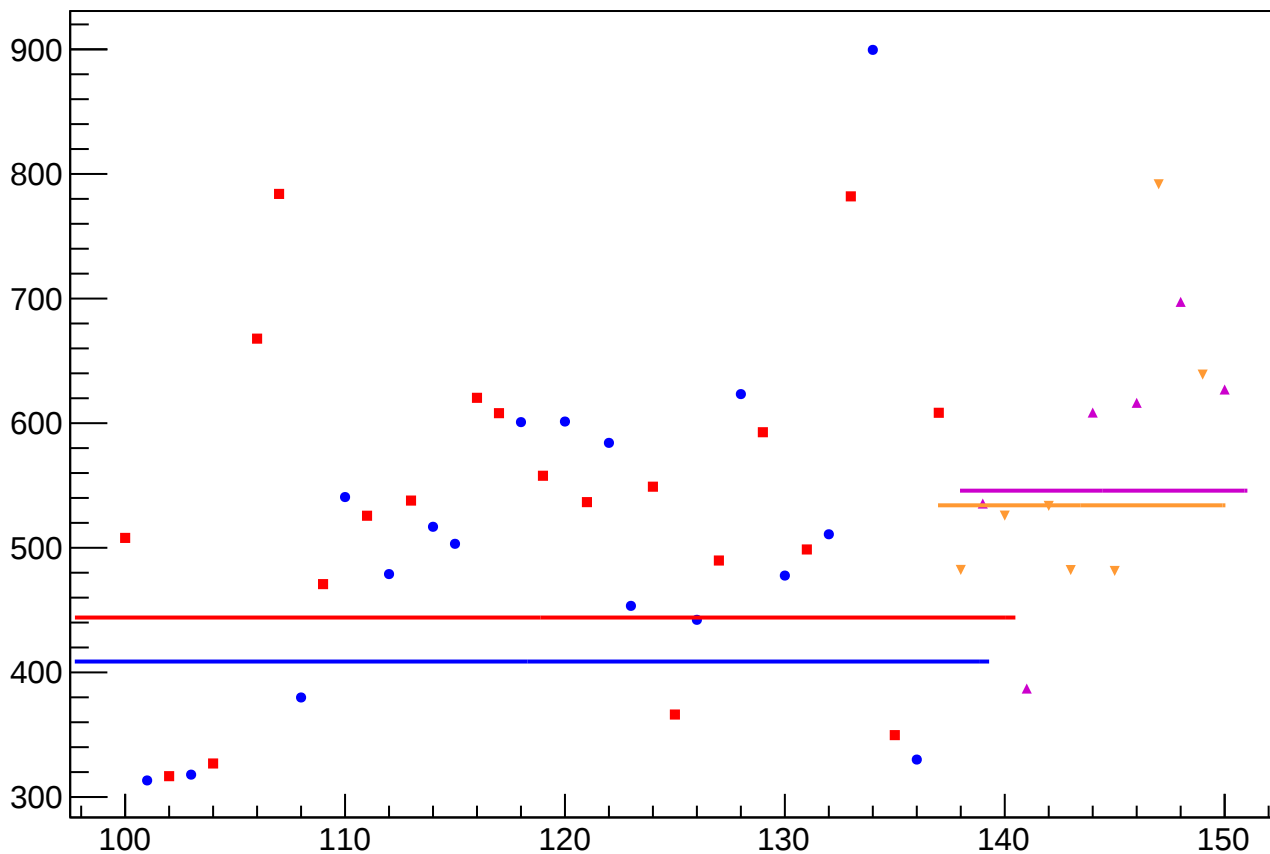
Left In: 134166.041 $\pm$ 0.273 χ^2 /NDF: 6558254.7/5

135905.381 $\pm$ 0.142 χ^2 /NDF: 1555711156.8/23

135685.922 $\pm$ 0.104 χ^2 /NDF: 268340810

135434.380 $\pm$ 0.152 χ^2 /NDF: 1122550924.5/25

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 408.729+/-0.121 χ^2/NDF : 823262.8/16

Left Out: 534.087+/-0.178 χ^2/NDF : 236326.9/6

Right Out: 444.034+/-0.129 χ^2/NDF : 922545.8/19

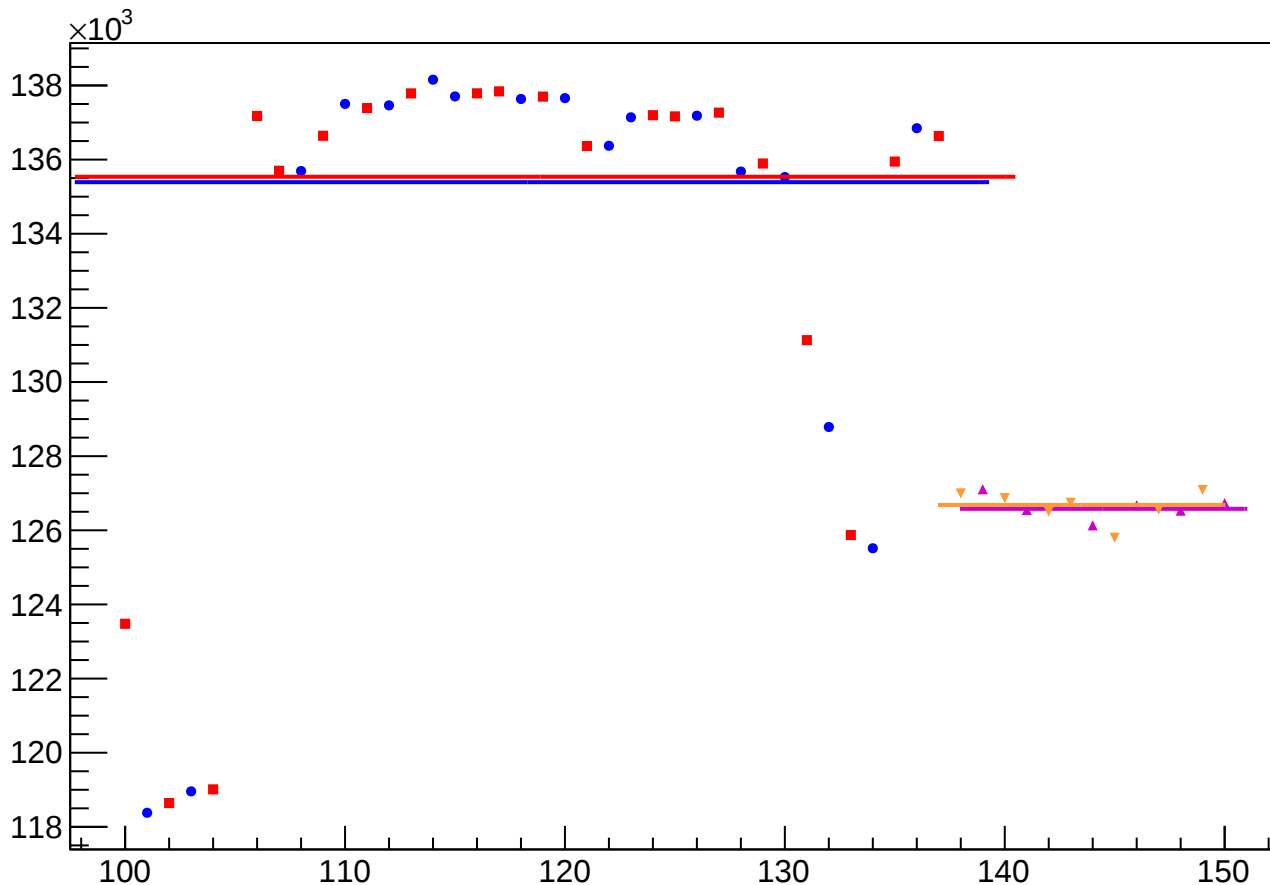
Left In: 545.847+/-0.193 χ^2/NDF : 333780.3/5

448.415+/-0.100 χ^2/NDF : 1398121.4/23

460.984+/-0.073 χ^2/NDF : 2880123.4/49

475.390+/-0.107 χ^2/NDF : 1448244.1/25

yield_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16

Left Out: 126684.280 $\pm$ 0.079 χ^2 /NDF: 25751669.7/6

Right Out: 135537.290 $\pm$ 0.064 χ^2 /NDF: 4748951957.4/19

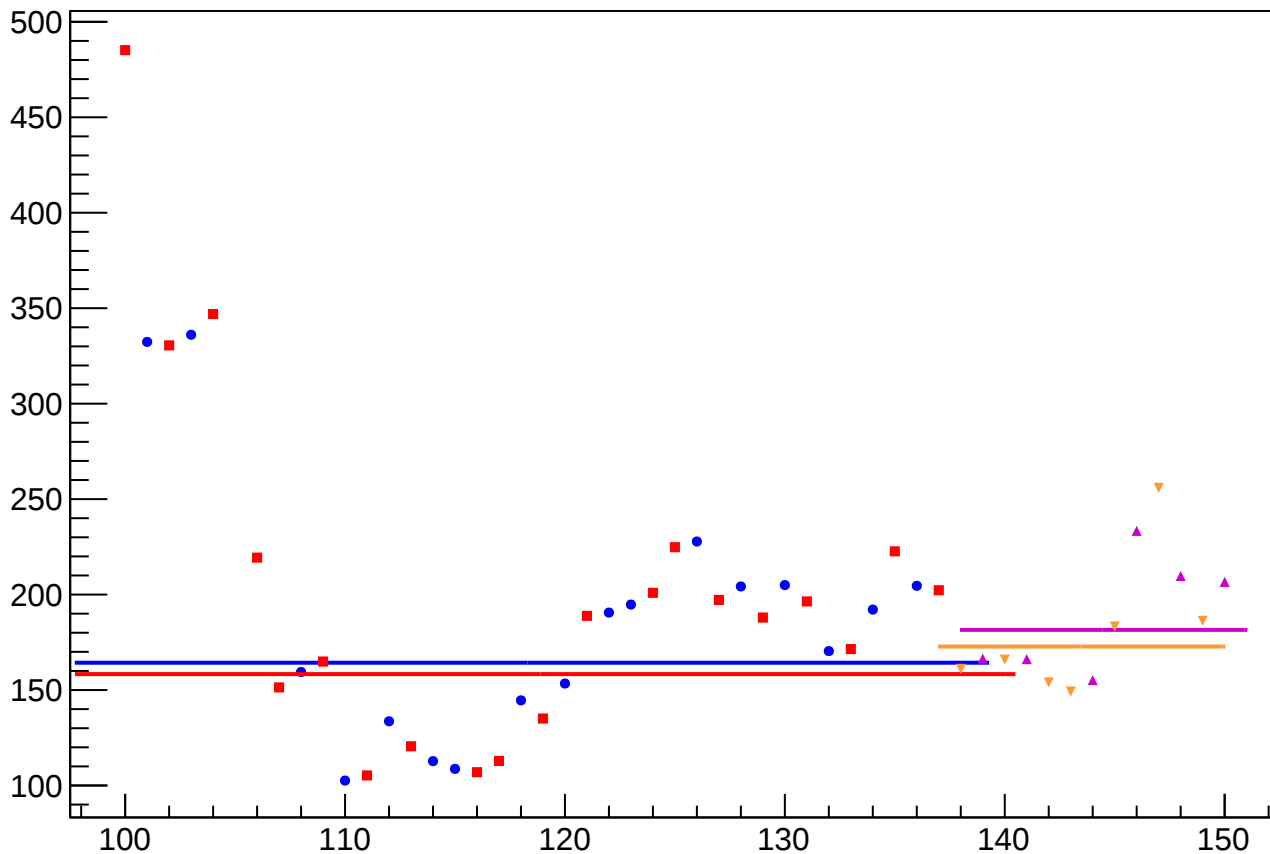
Left In: 126579.069 $\pm$ 0.084 χ^2 /NDF: 14427595.0/5

131685.742 $\pm$ 0.052 χ^2 /NDF: 11529961251.8/2

131972.032 $\pm$ 0.036 χ^2 /NDF: 235587001

132248.804 $\pm$ 0.051 χ^2 /NDF: 11968515900.4/2

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 164.311+/-0.048 χ^2/NDF : 1230487.8/16

Left Out: 172.784+/-0.056 χ^2/NDF : 232083.8/6

Right Out: 158.336+/-0.045 χ^2/NDF : 1398323.7/19

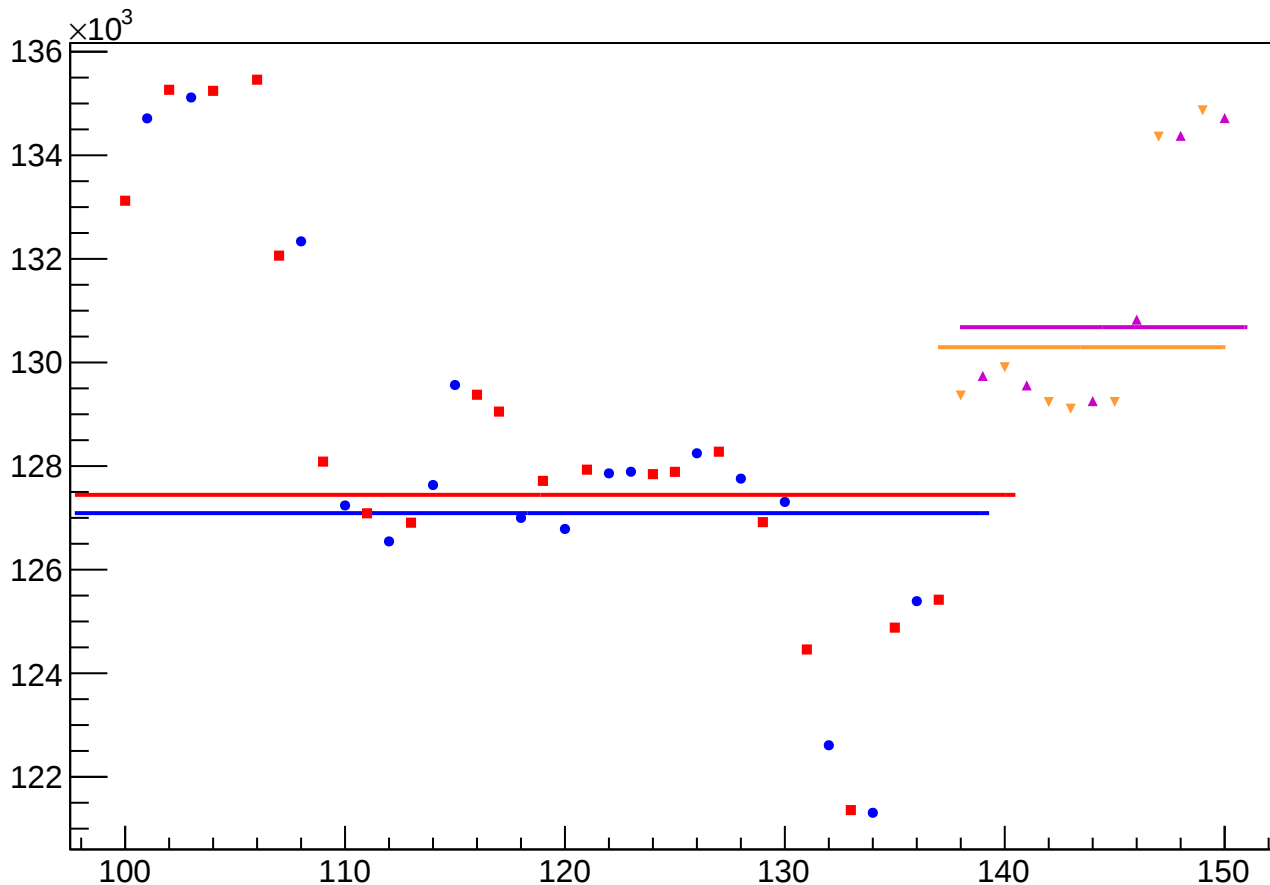
Left In: 181.515+/-0.059 χ^2/NDF : 204815.3/5

167.917+/-0.037 χ^2/NDF : 1475682.7/23

167.372+/-0.026 χ^2/NDF : 3175729.7/49

166.845+/-0.036 χ^2/NDF : 1699610.5/25

yield_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 127091.500 $\pm$ 0.066 χ^2 /NDF: 1717208780.6/16

Left Out: 130295.038 $\pm$ 0.080 χ^2 /NDF: 637013911.9/6

Right Out: 127444.472 $\pm$ 0.061 χ^2 /NDF: 2082646787.7/19

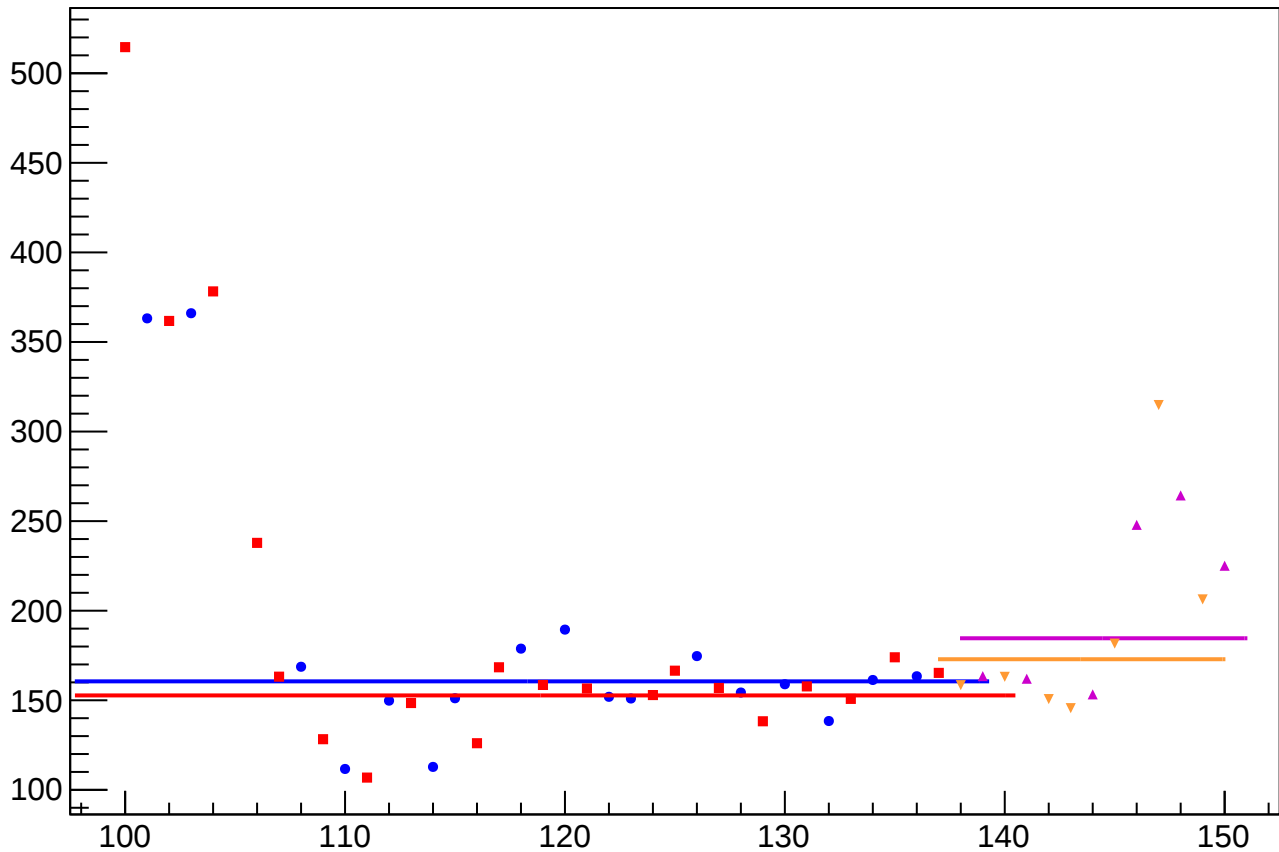
Left In: 130682.199 $\pm$ 0.087 χ^2 /NDF: 561656593.4/5

128388.184 $\pm$ 0.051 χ^2 /NDF: 3299133708.7/23

128459.939 $\pm$ 0.036 χ^2 /NDF: 687887047

128528.666 $\pm$ 0.050 χ^2 /NDF: 3575884517.2/25

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 160.564 $\pm$ 0.047 χ^2 /NDF: 942747.0/16

Left Out: 172.911 $\pm$ 0.057 χ^2 /NDF: 440105.1/6

Right Out: 152.711 $\pm$ 0.043 χ^2 /NDF: 1087186.3/19

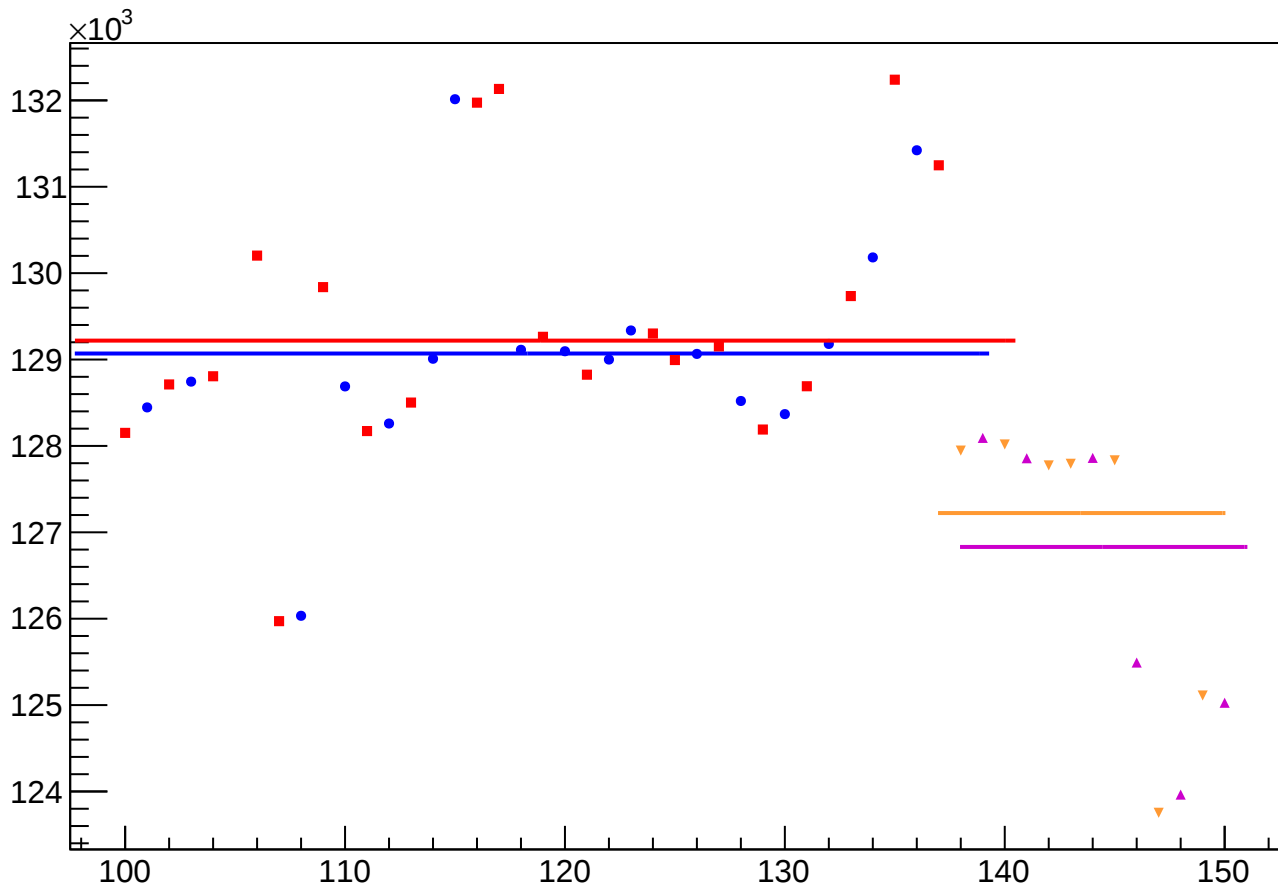
Left In: 184.612 $\pm$ 0.061 χ^2 /NDF: 424211.7/5

165.562 $\pm$ 0.036 χ^2 /NDF: 1410925.6/23

164.454 $\pm$ 0.025 χ^2 /NDF: 3105045.4/49

163.393 $\pm$ 0.035 χ^2 /NDF: 1692284.0/25

yield_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: 129069.668 $\pm$ 0.060 χ^2 /NDF: 476692316.5/16

Left Out: 127222.928 $\pm$ 0.076 χ^2 /NDF: 305827711.9/6

Right Out: 129219.072 $\pm$ 0.056 χ^2 /NDF: 660468184.1/19

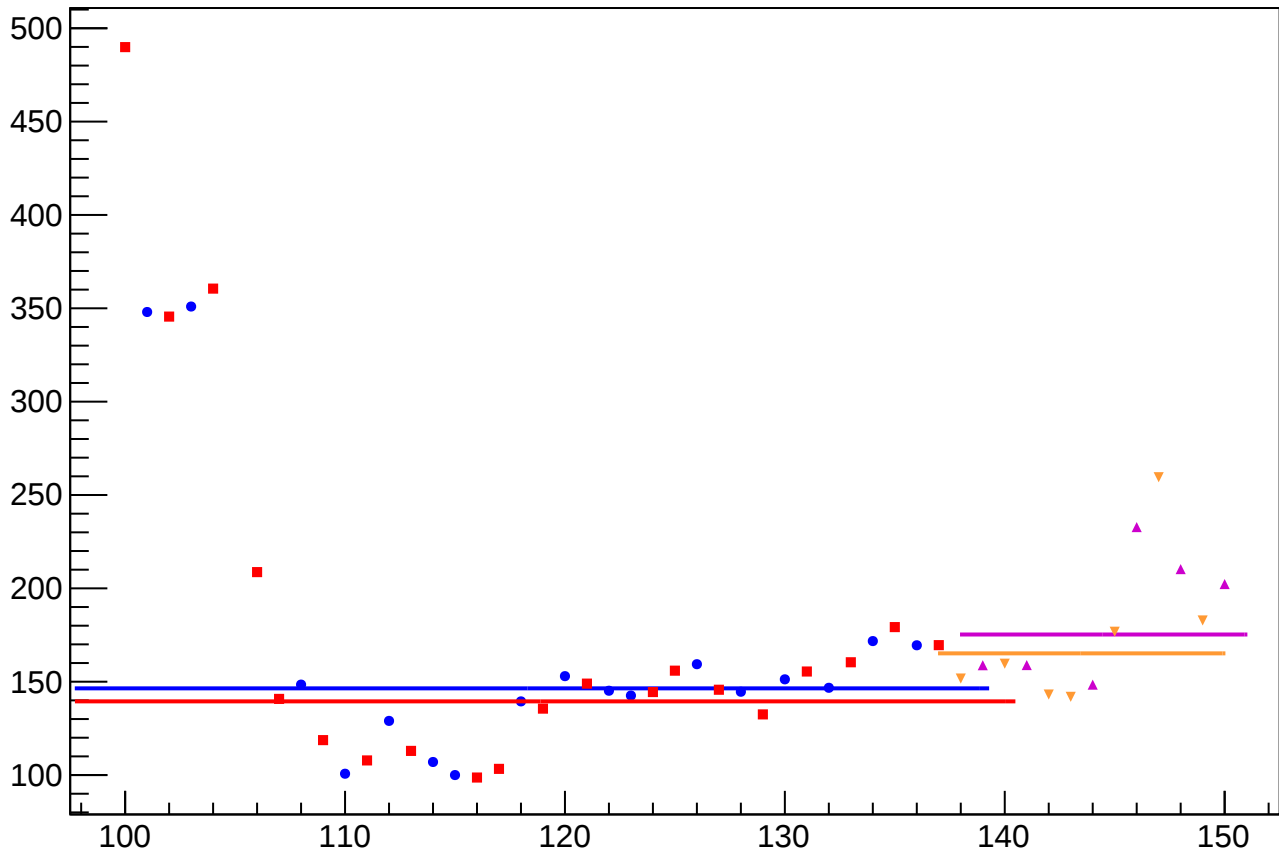
Left In: 126830.608 $\pm$ 0.081 χ^2 /NDF: 356548045.9/5

128358.626 $\pm$ 0.047 χ^2 /NDF: 1145214047.3/23

128408.369 $\pm$ 0.033 χ^2 /NDF: 275138964

128455.589 $\pm$ 0.046 χ^2 /NDF: 1604009275.0/25

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 146.437+/-0.043 χ^2/NDF : 1064791.0/16

Left Out: 165.178+/-0.054 χ^2/NDF : 294193.0/6

Right Out: 139.468+/-0.039 χ^2/NDF : 1214310.8/19

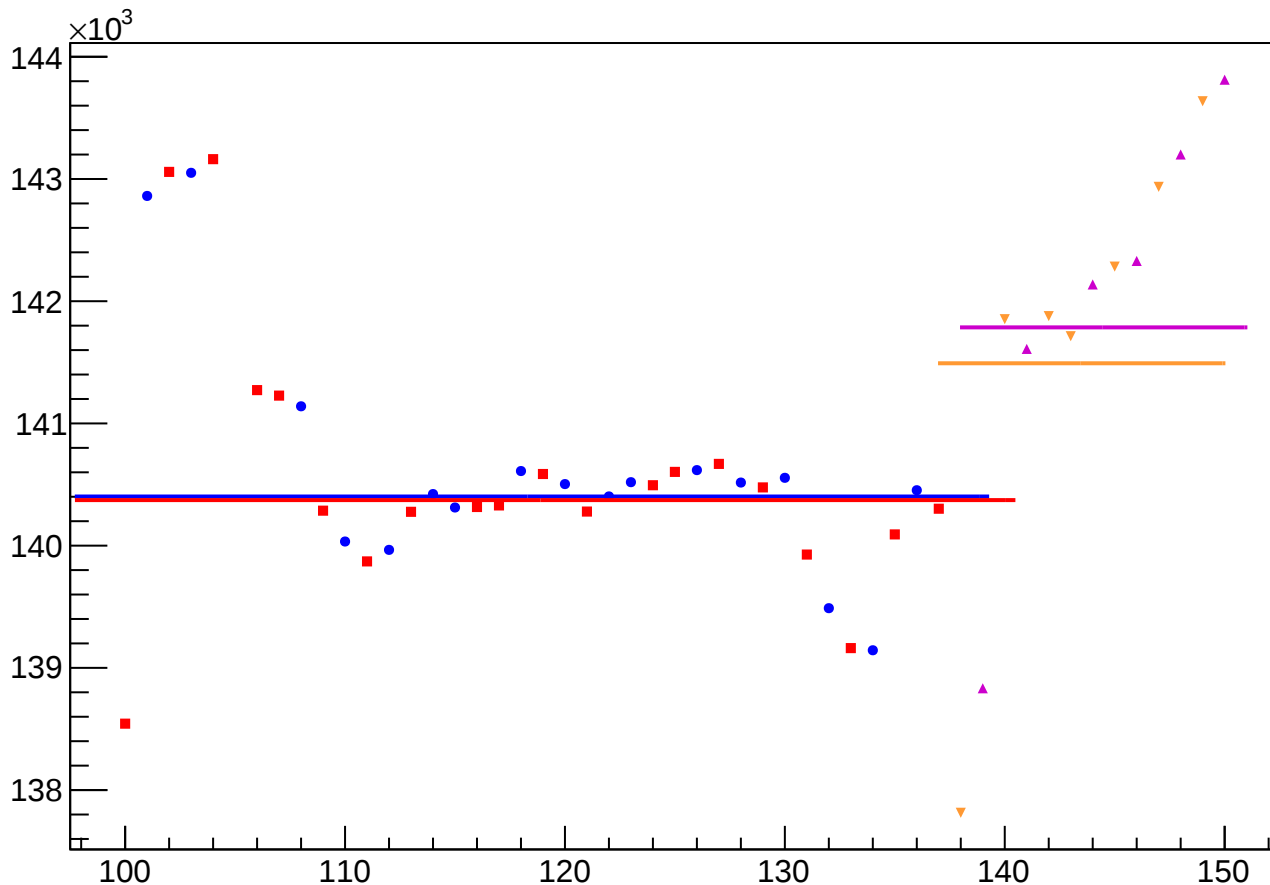
Left In: 175.280+/-0.057 χ^2/NDF : 257184.9/5

153.653+/-0.033 χ^2/NDF : 1433686.3/23

152.249+/-0.023 χ^2/NDF : 3172573.3/49

150.915+/-0.033 χ^2/NDF : 1735432.9/25

yield_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 140402.010 $\pm$ 0.064 χ^2 /NDF: 88071774.7/16

Left Out: 141492.121 $\pm$ 0.089 χ^2 /NDF: 427558205.4/6

Right Out: 140372.636 $\pm$ 0.059 χ^2 /NDF: 99861038.9/19

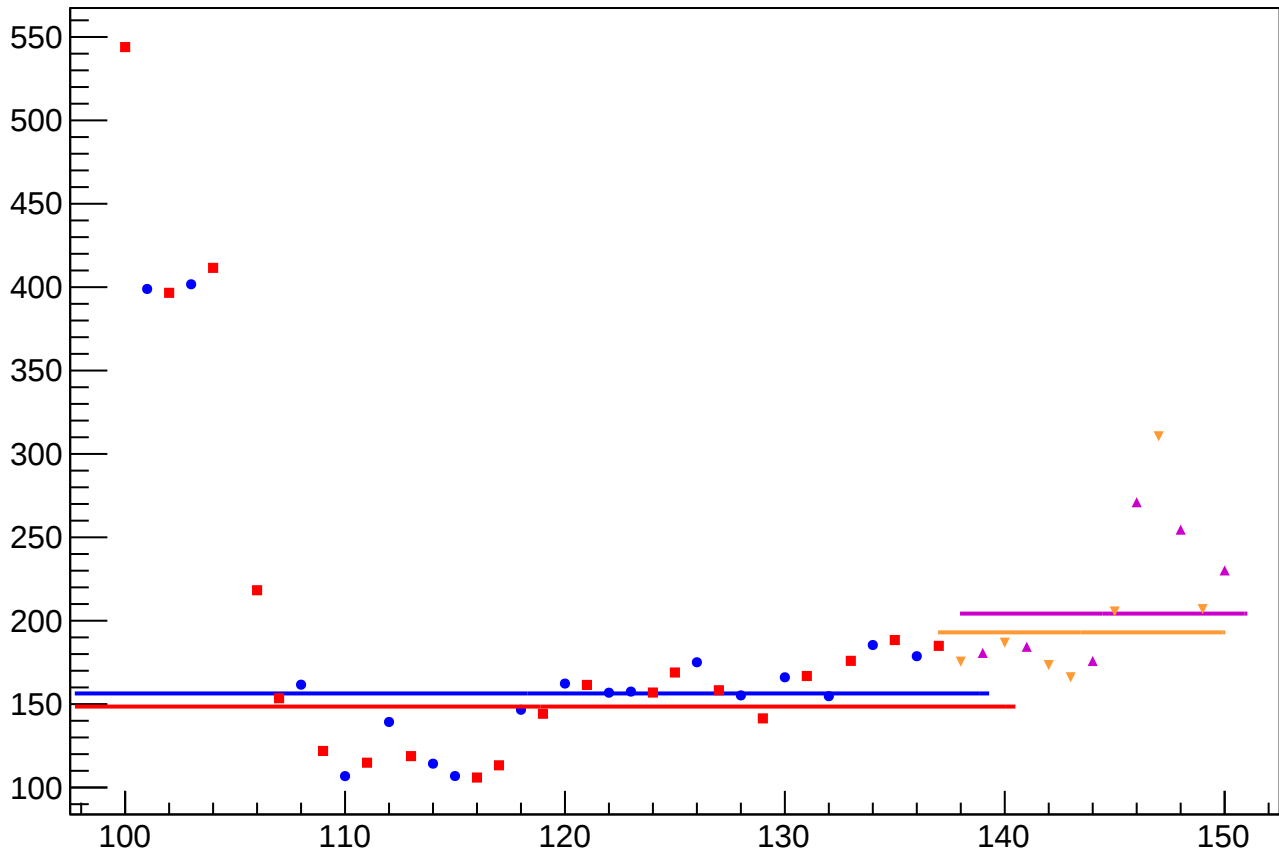
Left In: 141785.879 $\pm$ 0.095 χ^2 /NDF: 277223302.7/5

140774.544 $\pm$ 0.052 χ^2 /NDF: 613707386.8/23

140772.532 $\pm$ 0.036 χ^2 /NDF: 114972007

140770.655 $\pm$ 0.050 χ^2 /NDF: 536009817.6/25

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 156.394+/-0.046 χ^2/NDF : 1154804.2/16

Left Out: 193.017+/-0.063 χ^2/NDF : 295676.0/6

Right Out: 148.524+/-0.042 χ^2/NDF : 1316113.9/19

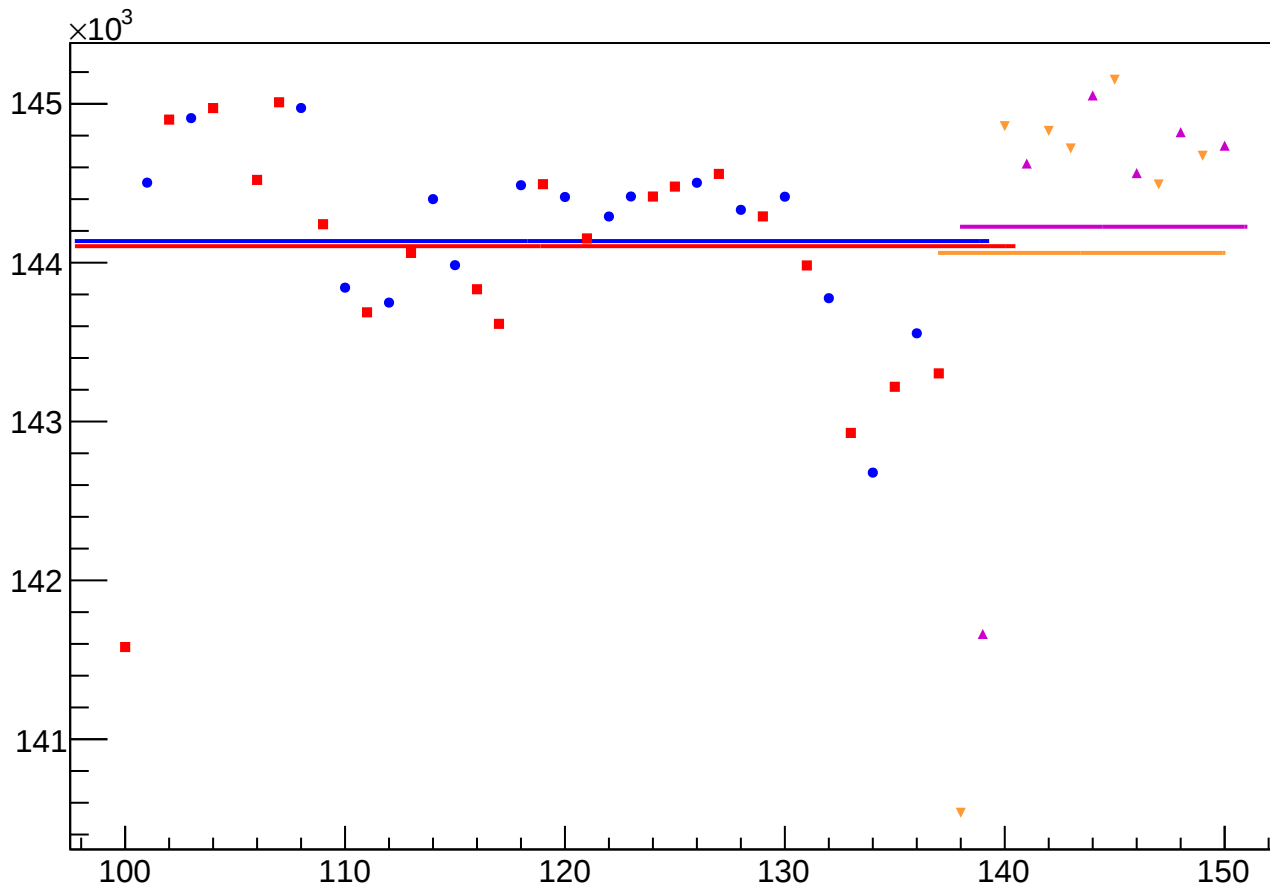
Left In: 204.269+/-0.067 χ^2/NDF : 263761.9/5

168.909+/-0.037 χ^2/NDF : 1671883.3/23

166.485+/-0.026 χ^2/NDF : 3754637.5/49

164.224+/-0.036 χ^2/NDF : 2074419.6/25

yield_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: 144136.118 $\pm$ 0.067 χ^2 /NDF: 47069480.3/16

Left Out: 144061.616 $\pm$ 0.088 χ^2 /NDF: 344933897.5/6

Right Out: 144103.887 $\pm$ 0.062 χ^2 /NDF: 65973087.5/19

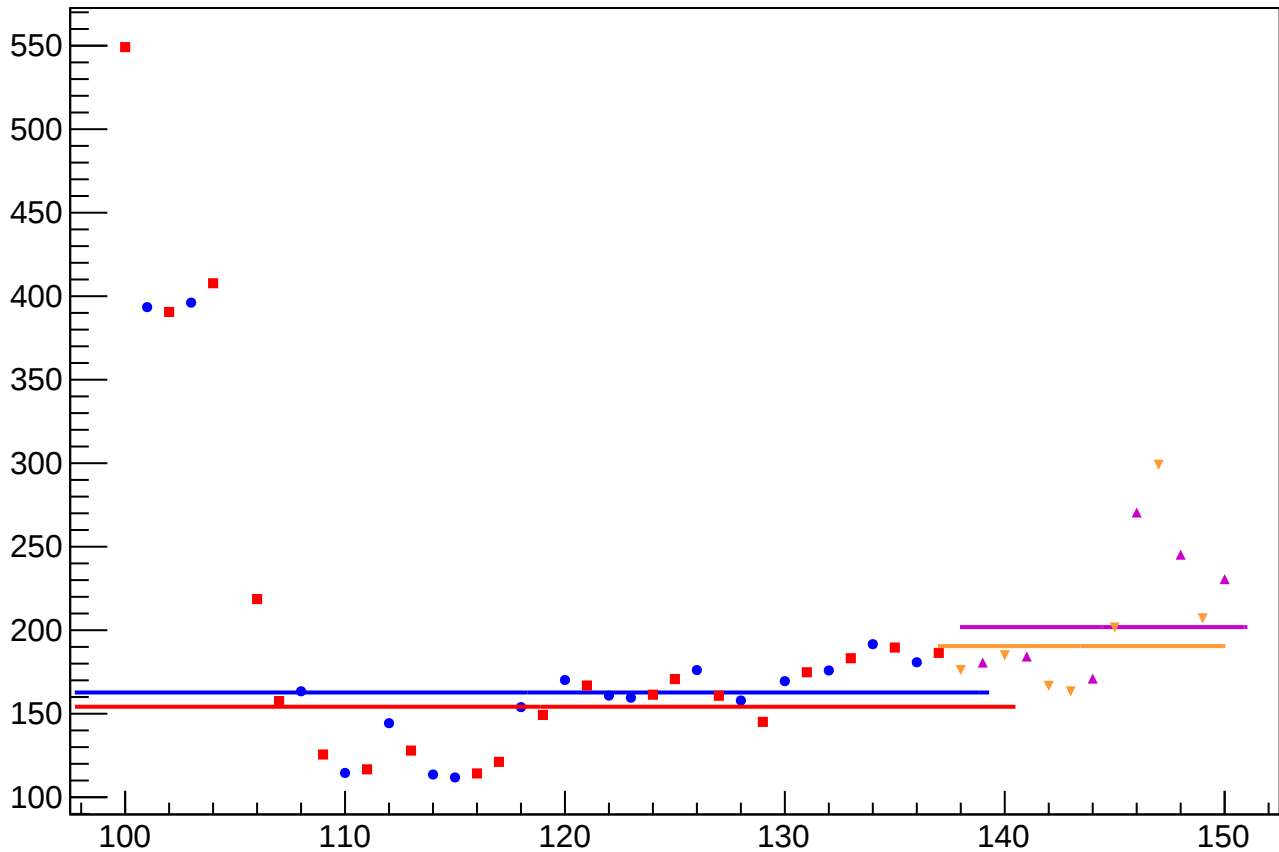
Left In: 144226.327 $\pm$ 0.094 χ^2 /NDF: 169309201.8/5

144108.884 $\pm$ 0.053 χ^2 /NDF: 392458486.9/23

144125.296 $\pm$ 0.037 χ^2 /NDF: 629114797

144140.661 $\pm$ 0.051 χ^2 /NDF: 236471932.6/25

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 162.714 $\pm$ 0.047 χ^2/NDF : 1066482.0/16

Left Out: 190.483 $\pm$ 0.062 χ^2/NDF : 282921.7/6

Right Out: 154.174 $\pm$ 0.044 χ^2/NDF : 1224004.2/19

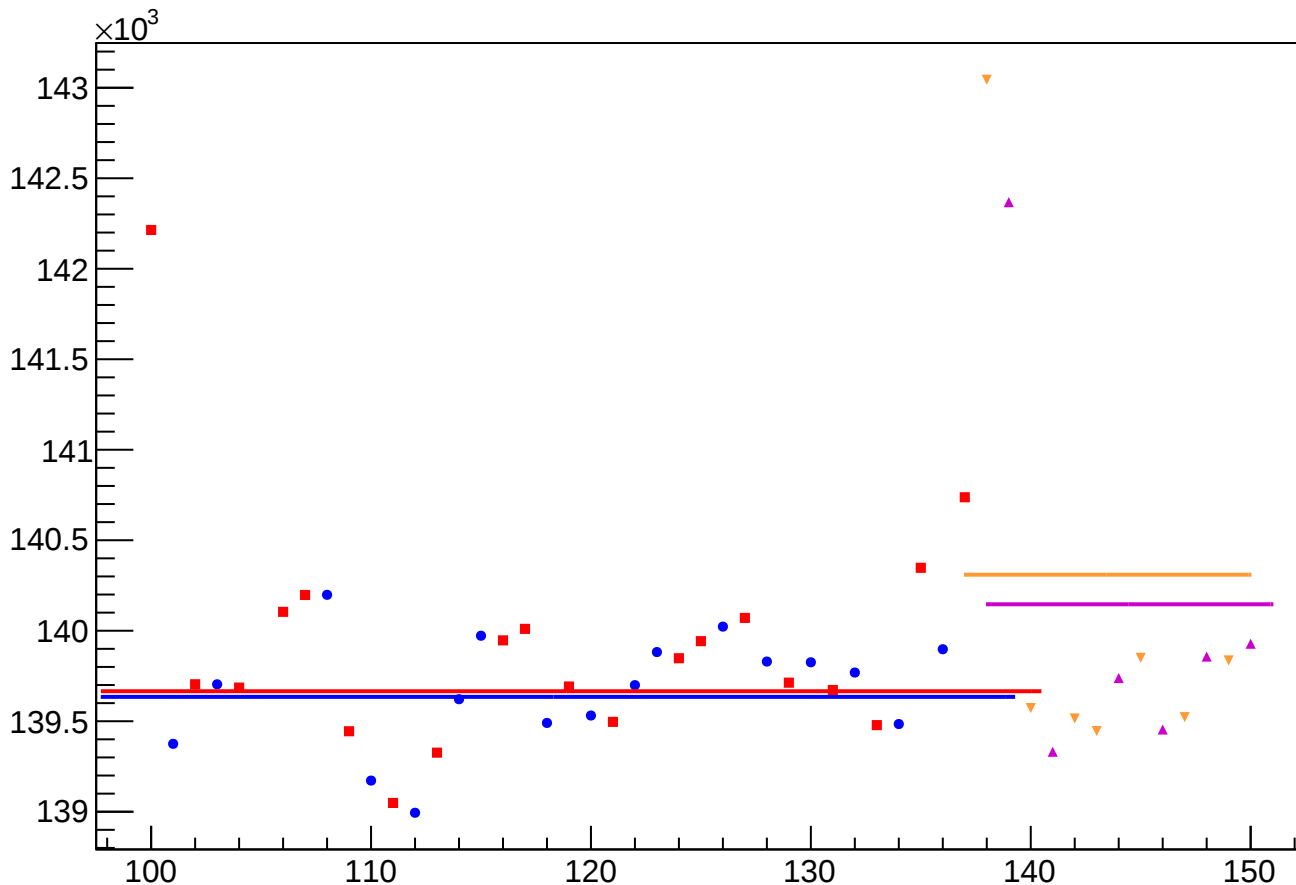
Left In: 201.877 $\pm$ 0.066 χ^2/NDF : 264180.3/5

172.865 $\pm$ 0.038 χ^2/NDF : 1475855.6/23

170.611 $\pm$ 0.026 χ^2/NDF : 3332146.6/49

168.501 $\pm$ 0.036 χ^2/NDF : 1849336.4/25

yield_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: 139634.700 ± 0.068 $\chi^2/\text{NDF}: 24844912.0/16$

Left Out: 140309.720 ± 0.096 $\chi^2/\text{NDF}: 200902956.6/6$

Right Out: 139665.743 ± 0.063 $\chi^2/\text{NDF}: 38703726.2/19$

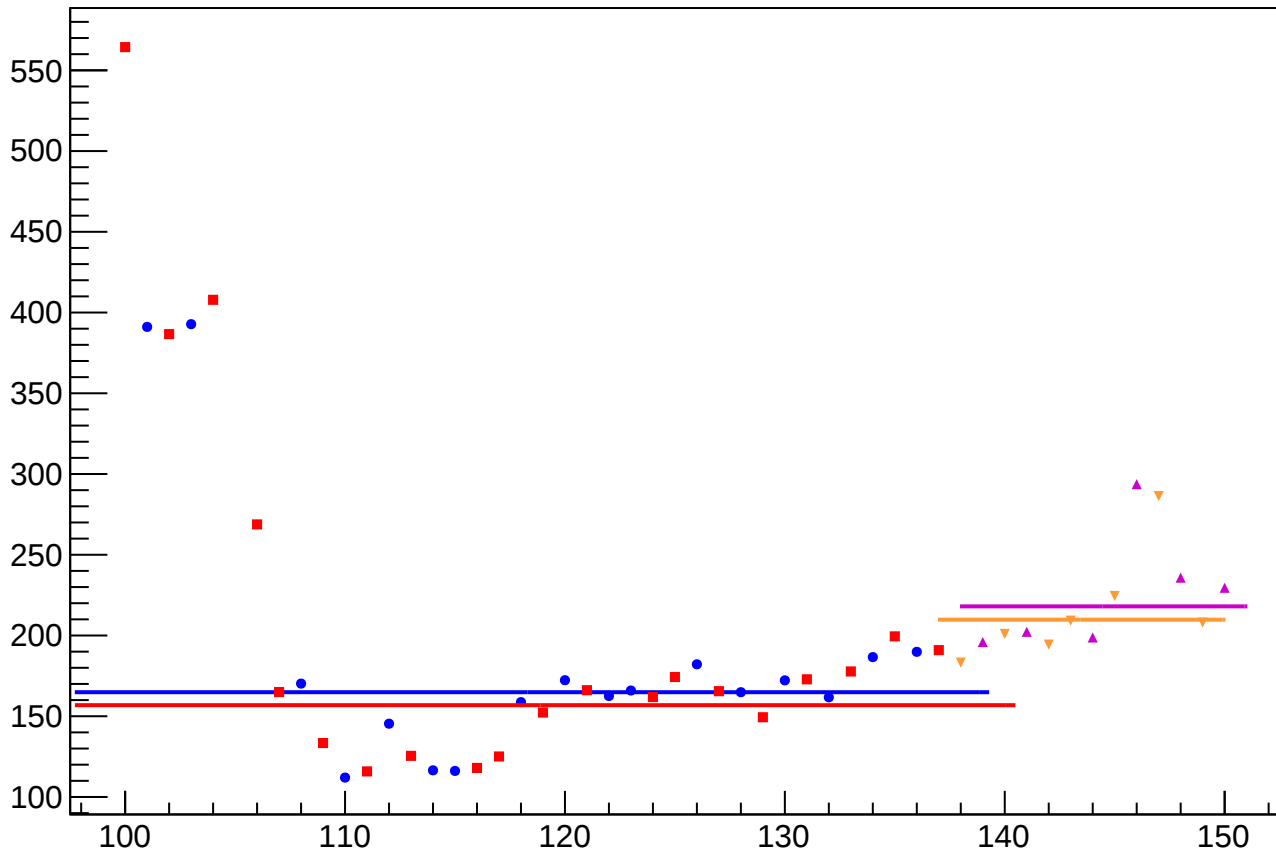
Left In: 140146.210 ± 0.101 $\chi^2/\text{NDF}: 109799229.8/5$

139859.408 ± 0.055 $\chi^2/\text{NDF}: 258768059.4/23$

139828.369 ± 0.038 $\chi^2/\text{NDF}: 424245280$

139799.653 ± 0.053 $\chi^2/\text{NDF}: 164871971.2/25$

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 164.884 $\pm$ 0.048 χ^2 /NDF: 1066270.8/16

Left Out: 209.797 $\pm$ 0.068 χ^2 /NDF:155900.2/6

Right Out: 156.859 $\pm$ 0.044 χ^2 /NDF: 1250656.2/19

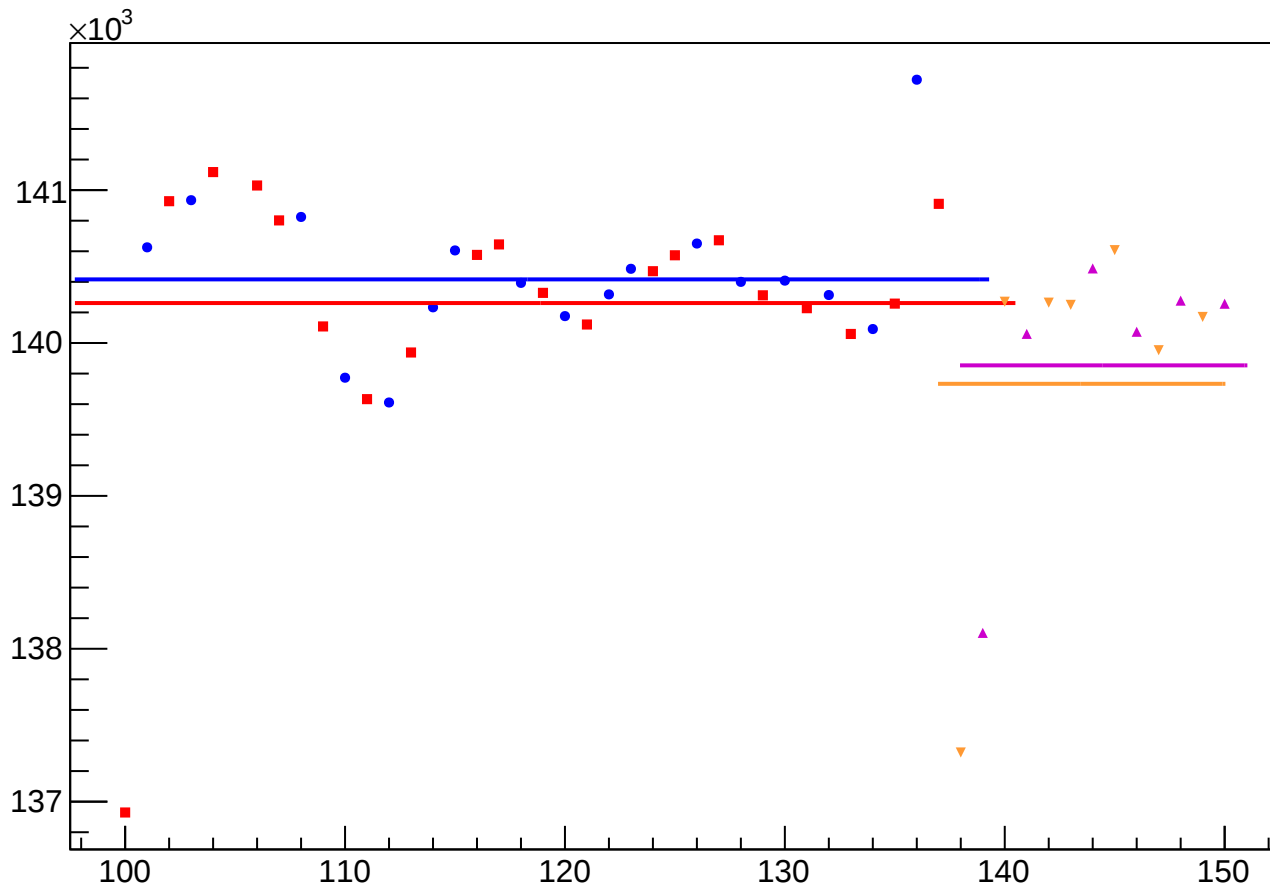
Left In: 218.039 $\pm$ 0.071 χ^2 /NDF:159412.4/5

179.835 $\pm$ 0.039 χ^2 /NDF: 1514526.8/23

176.758 $\pm$ 0.027 χ^2 /NDF: 3467297.3/49

173.910 $\pm$ 0.038 χ^2 /NDF: 1940869.9/25

yield_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 140416.064 $\pm$ 0.068 χ^2 /NDF: 69975821.3/16

Left Out: 139732.998 $\pm$ 0.086 χ^2 /NDF: 180927489.6/6

Right Out: 140261.267 $\pm$ 0.063 χ^2 /NDF: 38479140.4/19

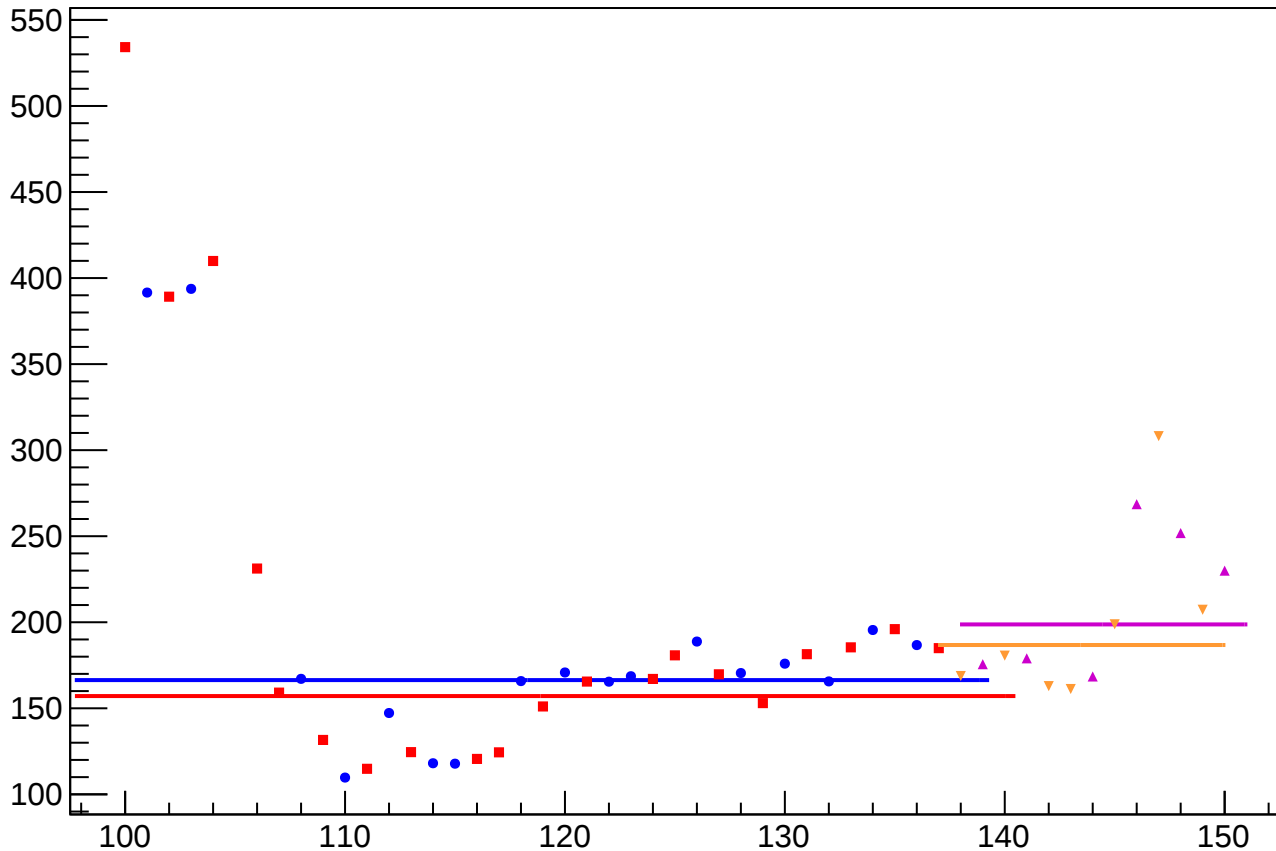
Left In: 139853.682 $\pm$ 0.093 χ^2 /NDF: 85353299.0/5

140152.551 $\pm$ 0.054 χ^2 /NDF: 289382677.4/23

140142.372 $\pm$ 0.037 χ^2 /NDF: 426563746

140132.804 $\pm$ 0.052 χ^2 /NDF: 137111103.5/25

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 166.388+/-0.048 χ^2/NDF : 1080964.8/16

Left Out: 186.775+/-0.061 χ^2/NDF : 330513.3/6

Right Out: 157.110+/-0.044 χ^2/NDF : 1235934.7/19

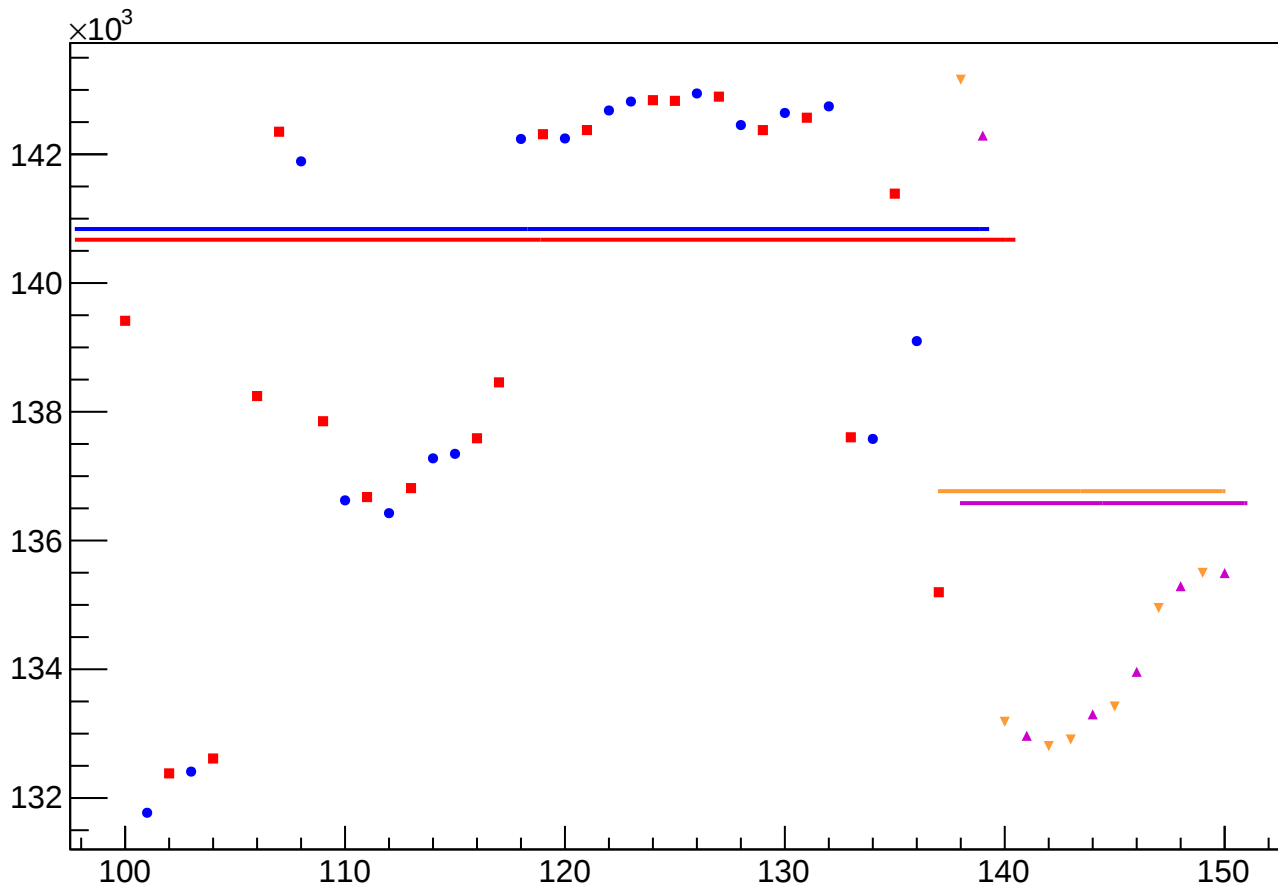
Left In: 198.742+/-0.065 χ^2/NDF : 304582.8/5

174.253+/-0.038 χ^2/NDF : 1480032.4/23

172.180+/-0.026 χ^2/NDF : 3303416.3/49

170.232+/-0.037 χ^2/NDF : 1817582.8/25

yield_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 140839.133 $\pm$ 0.100 χ^2 /NDF: 822682996.3/16

Left Out: 136766.963 $\pm$ 0.136 χ^2 /NDF: 1058378130.8/6

Right Out: 140672.898 $\pm$ 0.099 χ^2 /NDF: 841965357.5/19

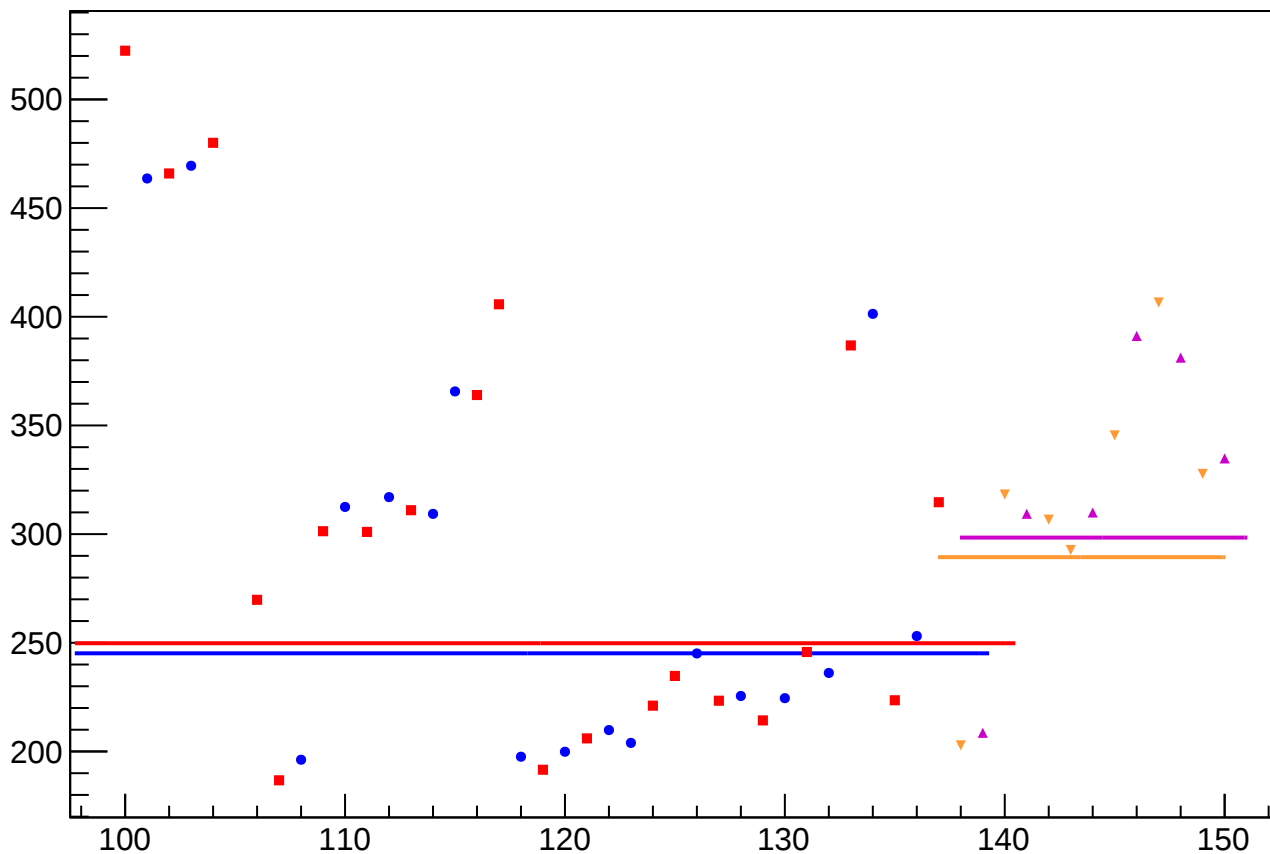
Left In: 136581.074 $\pm$ 0.142 χ^2 /NDF: 745352897.5/5

139413.266 $\pm$ 0.081 χ^2 /NDF: 2461562349.6/23

139372.149 $\pm$ 0.057 χ^2 /NDF: 461011874

139330.512 $\pm$ 0.081 χ^2 /NDF: 2148032920.0/25

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 245.159 +/- 0.071 χ^2/NDF : 869491.6/16

Left Out: 289.395 +/- 0.096 χ^2/NDF : 457976.6/6

Right Out: 249.792 +/- 0.070 χ^2/NDF : 1022316.0/19

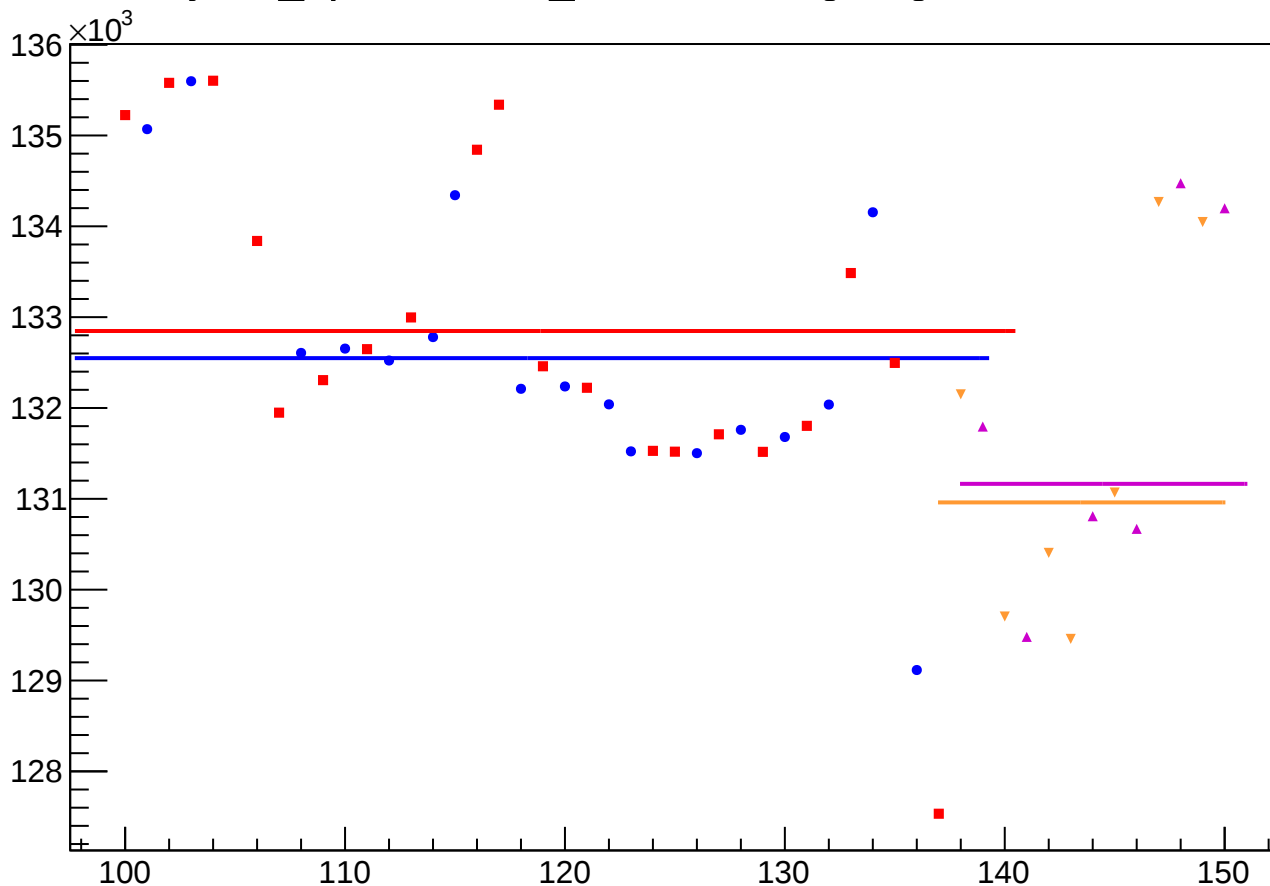
Left In: 298.406 +/- 0.100 χ^2/NDF : 424224.0/5

260.648 +/- 0.057 χ^2/NDF : 1464470.3/23

263.178 +/- 0.040 χ^2/NDF : 3073268.7/49

265.741 +/- 0.057 χ^2/NDF : 1604833.3/25

yield_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: 132548.888 $\pm$ 0.119 χ^2 /NDF: 161115079.9/16

Left Out: 130960.591 $\pm$ 0.098 χ^2 /NDF: 226725926.5/6

Right Out: 132847.502 $\pm$ 0.107 χ^2 /NDF: 151618589.4/19

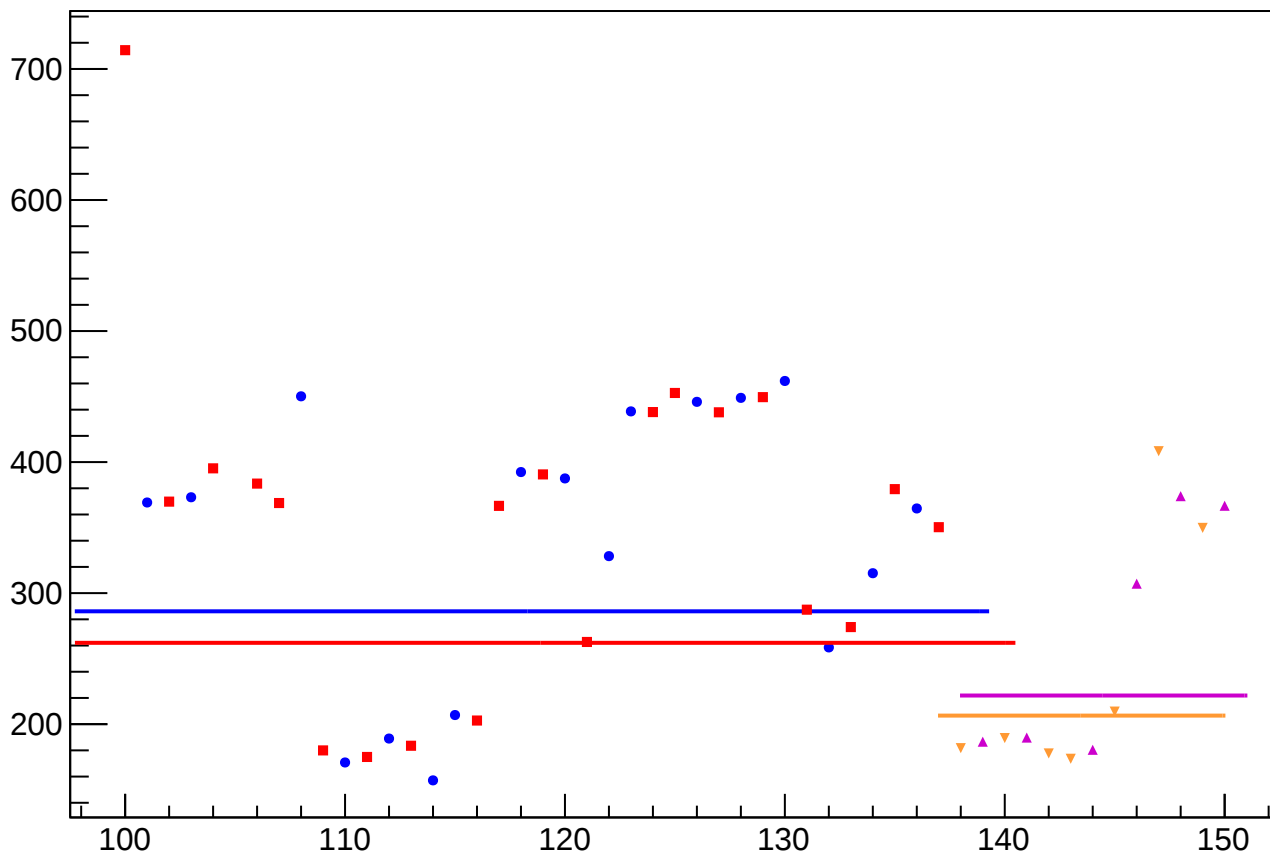
Left In: 131164.933 $\pm$ 0.107 χ^2 /NDF: 197891055.3/5

131602.820 $\pm$ 0.076 χ^2 /NDF: 493292876.2/23

131805.974 $\pm$ 0.054 χ^2 /NDF: 980706647

132007.832 $\pm$ 0.076 χ^2 /NDF: 473133583.1/25

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 286.122+/-0.084 χ^2/NDF : 1525266.4/16

Left Out: 206.532+/-0.070 χ^2/NDF : 755649.1/6

Right Out: 262.073+/-0.076 χ^2/NDF : 1630239.5/19

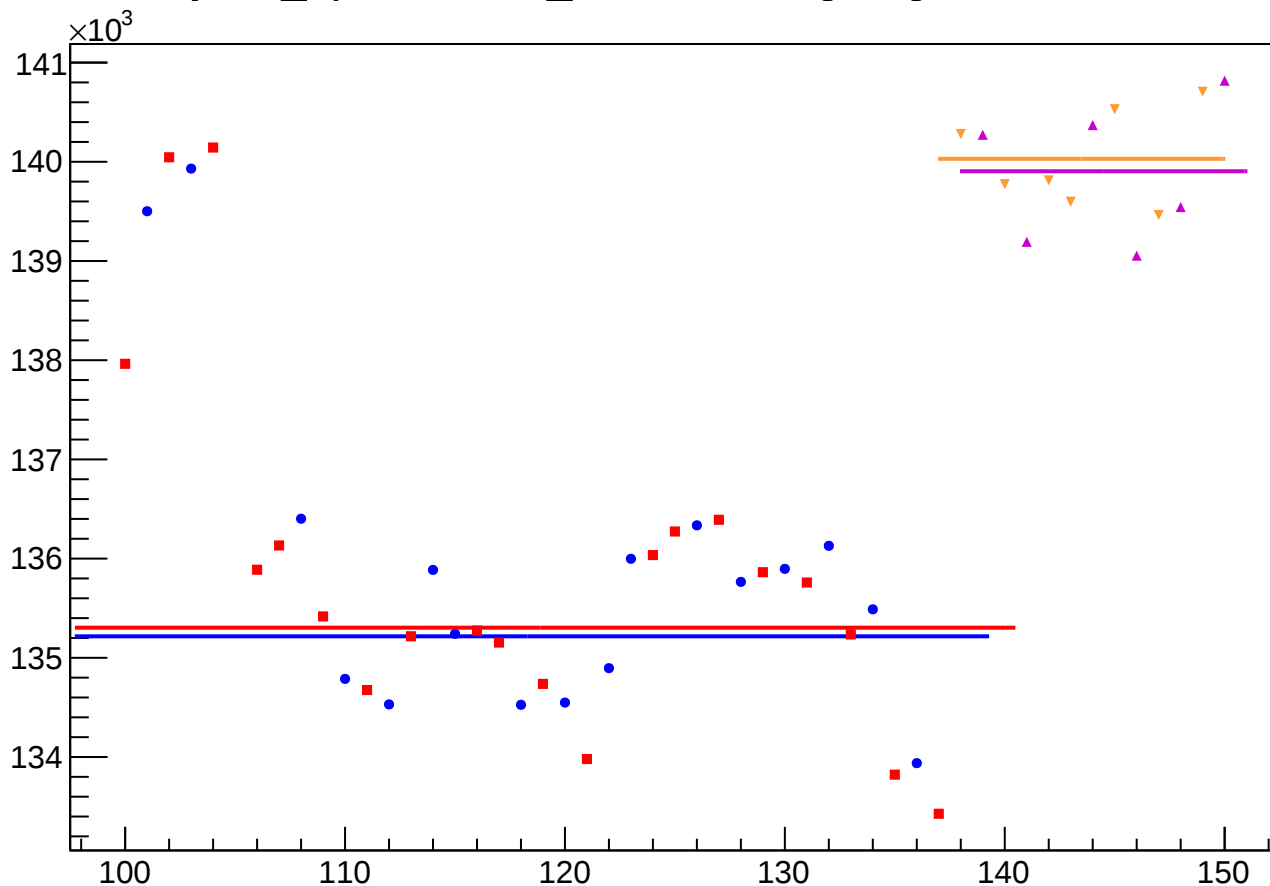
Left In: 221.855+/-0.076 χ^2/NDF : 828027.6/5

238.714+/-0.054 χ^2/NDF : 2810511.1/23

240.363+/-0.038 χ^2/NDF : 5411921.6/49

242.002+/-0.054 χ^2/NDF : 2599527.8/25

yield_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 135216.588 $\pm$ 0.054 χ^2 /NDF: 371347707.3/16

Left Out: 140030.241 $\pm$ 0.085 χ^2 /NDF: 25652315.8/6

Right Out: 135303.736 $\pm$ 0.051 χ^2 /NDF: 357717935.5/19

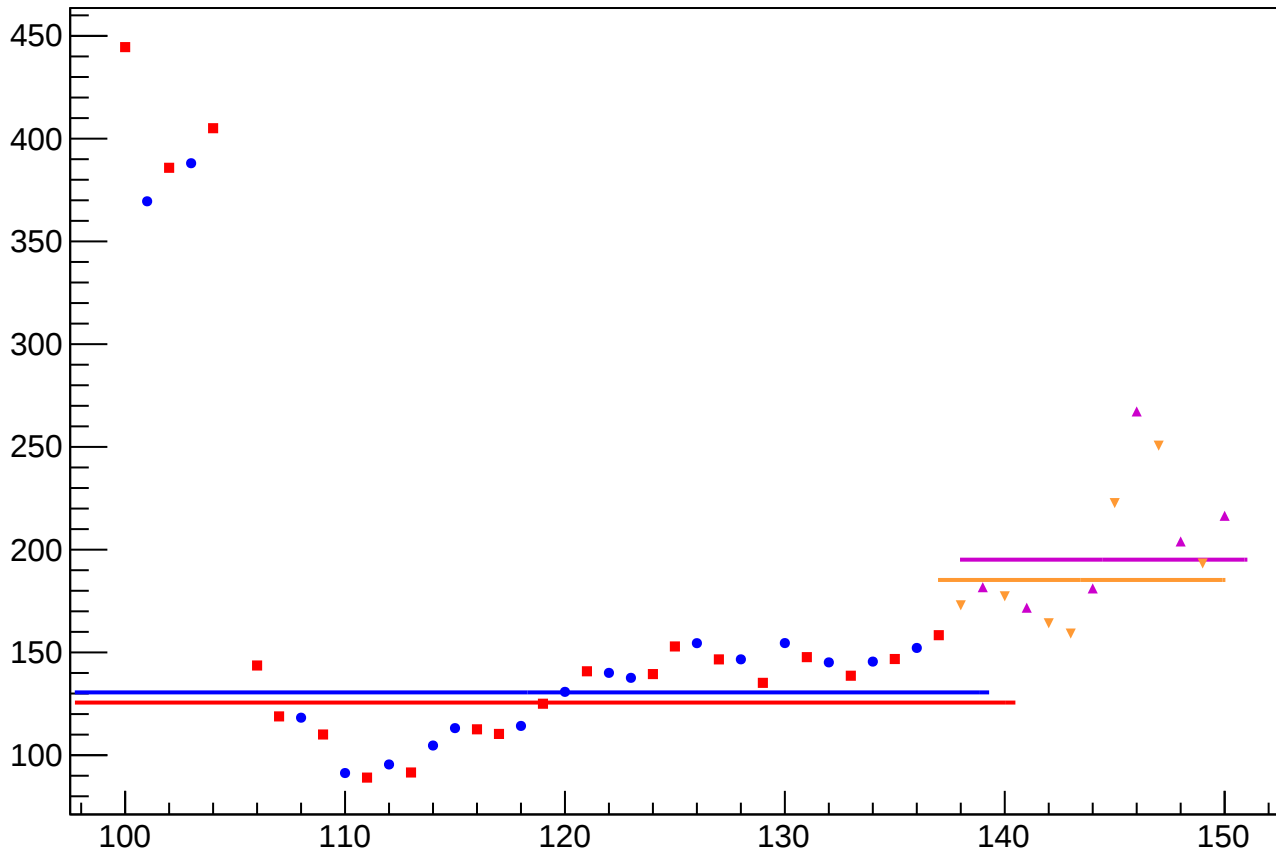
Left In: 139904.715 $\pm$ 0.091 χ^2 /NDF: 47517752.5/5

136603.123 $\pm$ 0.046 χ^2 /NDF: 2655967000.5/23

136500.768 $\pm$ 0.032 χ^2 /NDF: 502593191

136404.856 $\pm$ 0.044 χ^2 /NDF: 2360317600.2/25

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 130.552 +/- 0.038 χ^2/NDF : 1373104.9/16

Left Out: 185.262 +/- 0.060 χ^2/NDF : 203750.2/6

Right Out: 125.603 +/- 0.036 χ^2/NDF : 1441677.4/19

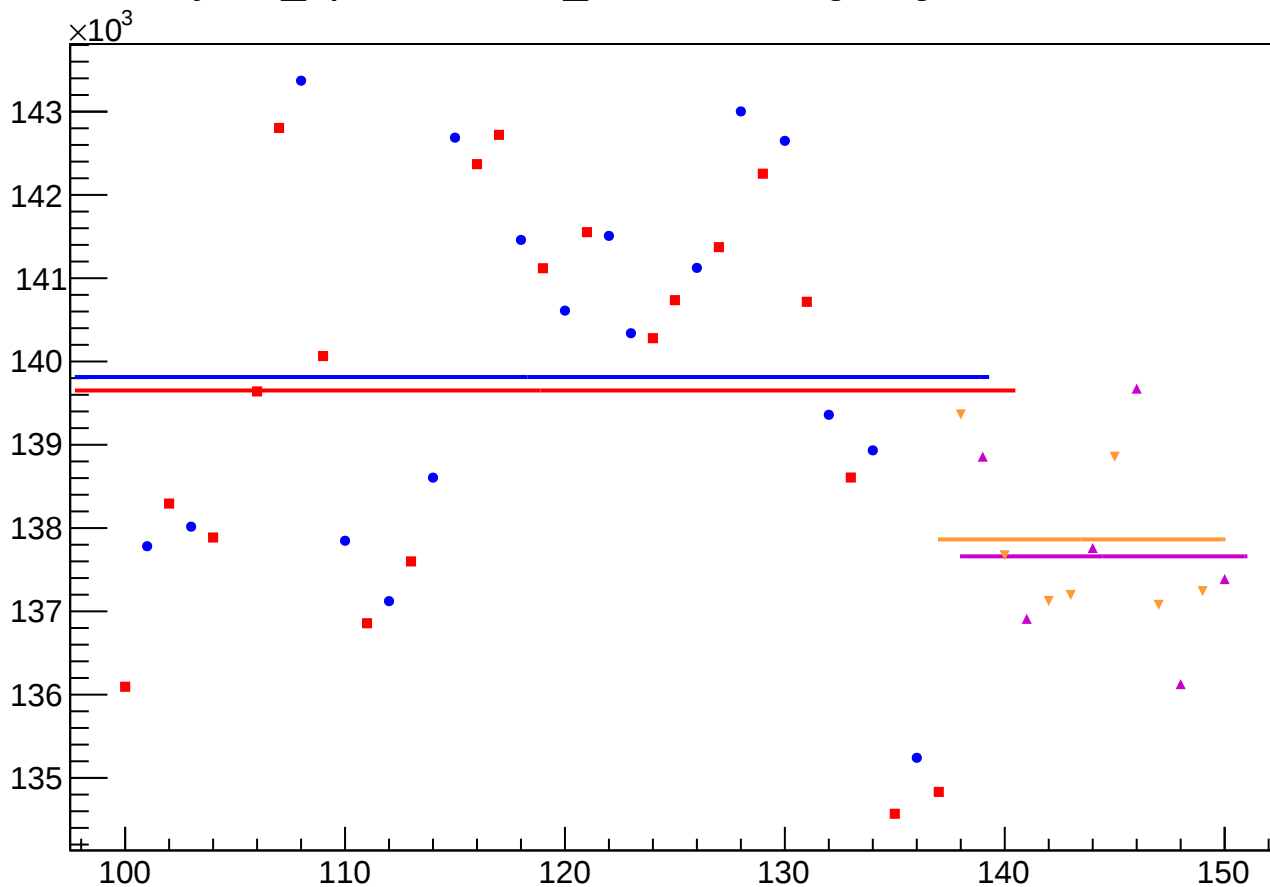
Left In: 195.137 +/- 0.064 χ^2/NDF : 175449.0/5

146.310 +/- 0.032 χ^2/NDF : 2160479.6/23

144.211 +/- 0.023 χ^2/NDF : 4678785.7/49

142.244 +/- 0.031 χ^2/NDF : 2510190.8/25

yield_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 139813.664 $\pm$ 0.062 χ^2 /NDF: 1689865533.6/16

Left Out: 137864.053 $\pm$ 0.085 χ^2 /NDF: 108884482.2/6

Right Out: 139651.821 $\pm$ 0.059 χ^2 /NDF: 1531019137.4/19

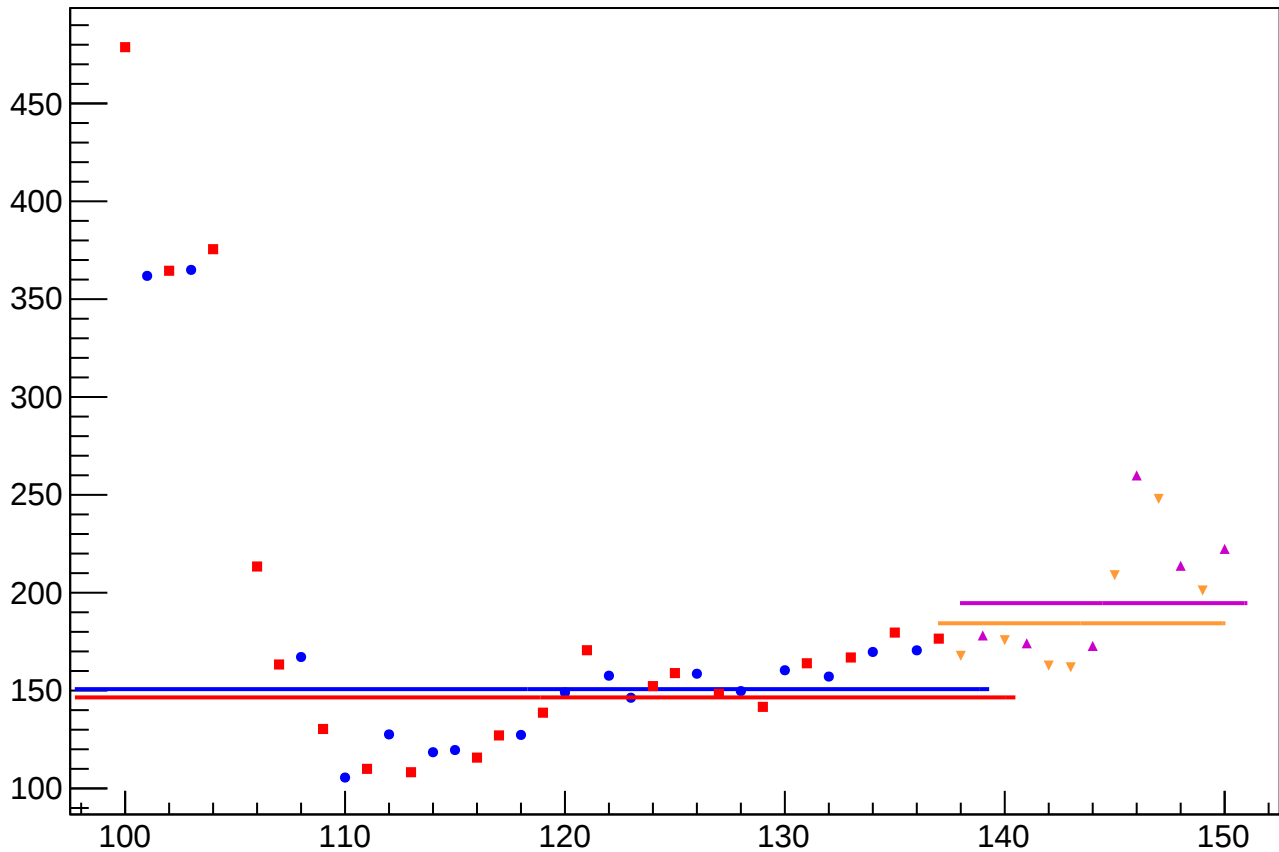
Left In: 137660.385 $\pm$ 0.091 χ^2 /NDF: 133159531.6/5

139136.381 $\pm$ 0.050 χ^2 /NDF: 2143117966.6/23

139098.450 $\pm$ 0.035 χ^2 /NDF: 414896960

139061.638 $\pm$ 0.049 χ^2 /NDF: 2004718644.3/25

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 150.733+/-0.044 χ^2/NDF : 1050071.6/16

Left Out: 184.379+/-0.060 χ^2/NDF :188999.4/6

Right Out: 146.506+/-0.042 χ^2/NDF : 1205131.2/19

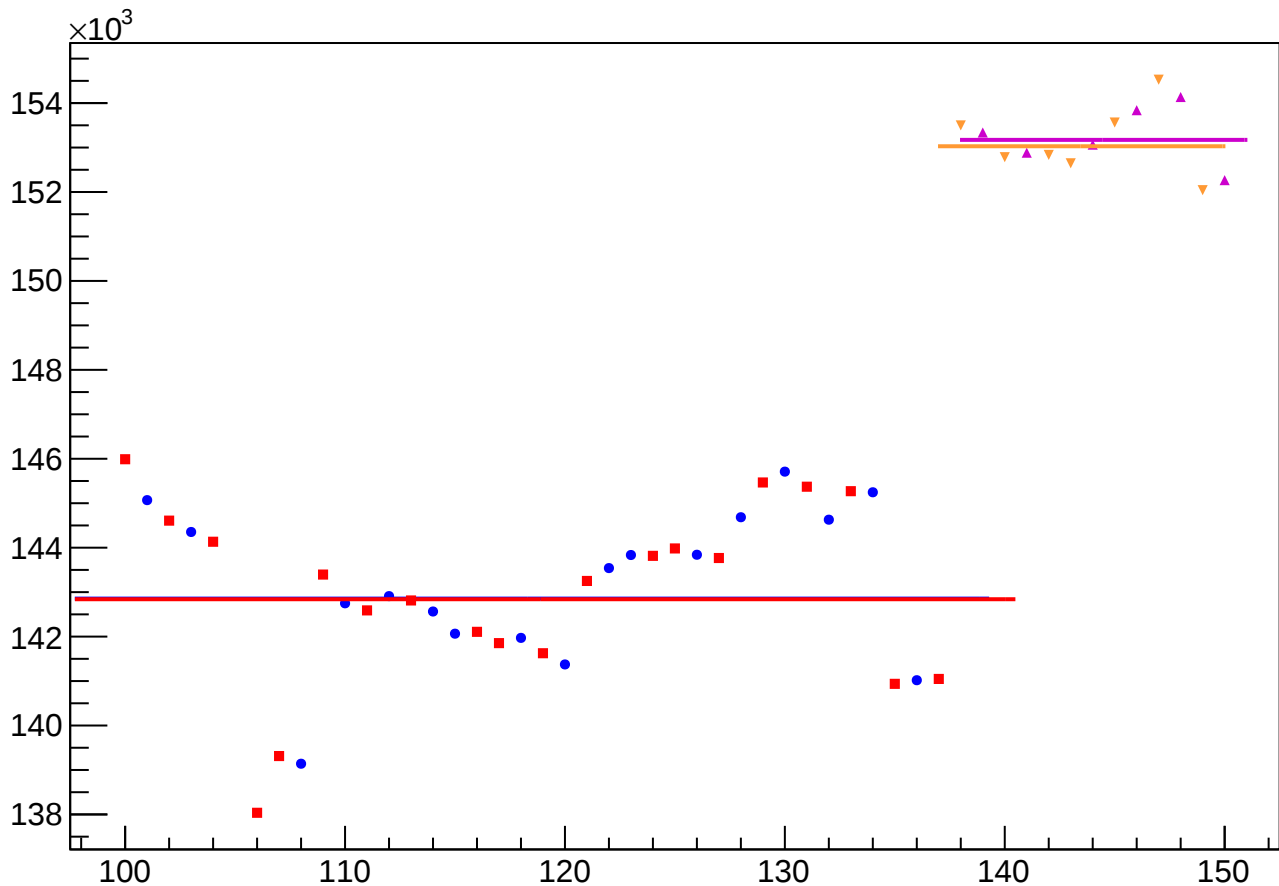
Left In: 194.680+/-0.064 χ^2/NDF :196462.6/5

162.422+/-0.035 χ^2/NDF : 1444200.5/23

161.590+/-0.025 χ^2/NDF : 3245450.8/49

160.783+/-0.035 χ^2/NDF : 1800161.2/25

yield_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 142854.268 $\pm$ 0.065 χ^2 /NDF: 740367386.5/16

Left Out: 153029.039 $\pm$ 0.085 χ^2 /NDF: 62990574.1/6

146560.602 $\pm$ 0.052 χ^2 /NDF: 9822482612.7/23

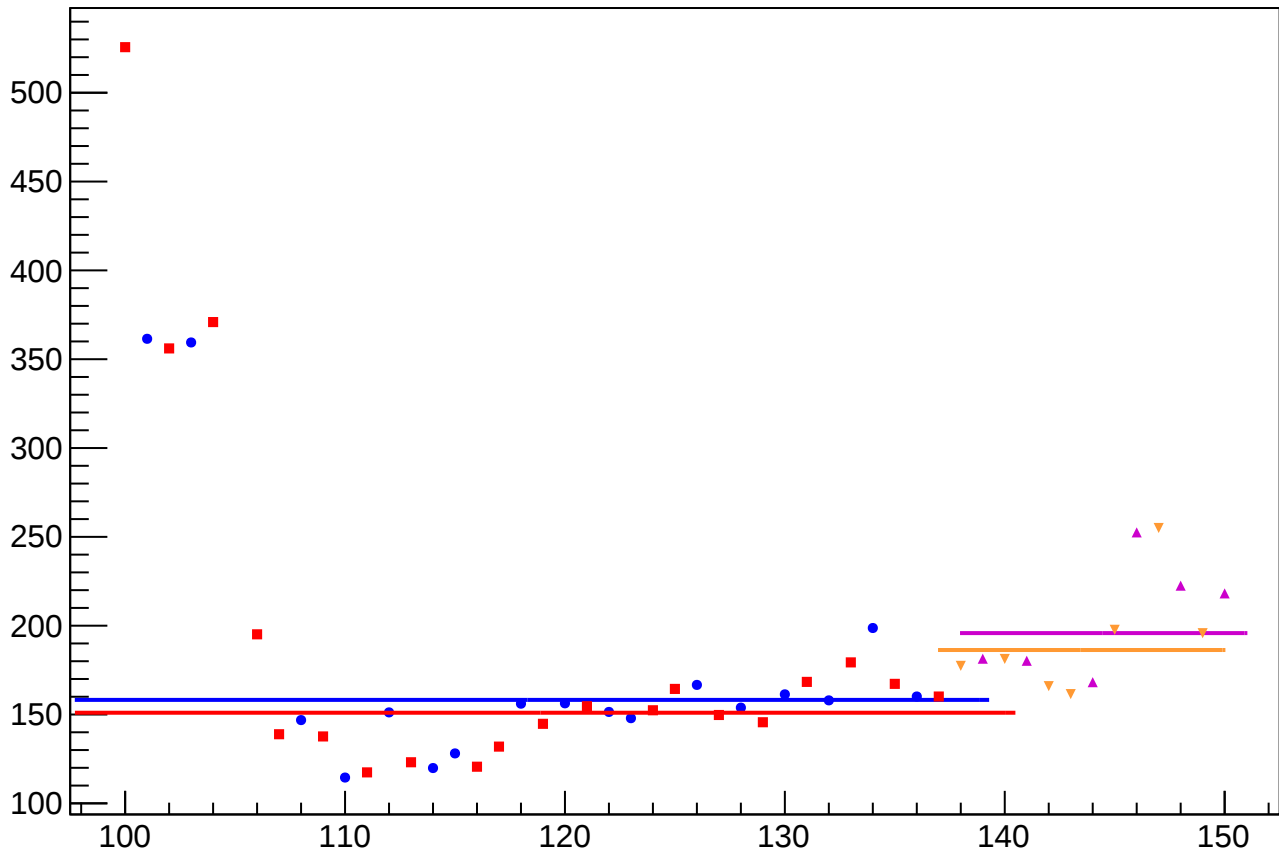
Right Out: 142840.509 $\pm$ 0.060 χ^2 /NDF: 852484333.4/19

146272.540 $\pm$ 0.036 χ^2 /NDF: 198047590

146000.584 $\pm$ 0.050 χ^2 /NDF: 9921587760.4/25

Left In: 153172.624 $\pm$ 0.091 χ^2 /NDF: 37875947.9/5

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 158.233+/-0.046 χ^2/NDF : 883513.4/16

Left Out: 186.308+/-0.060 χ^2/NDF : 168830.3/6

Right Out: 151.003+/-0.043 χ^2/NDF : 1005104.9/19

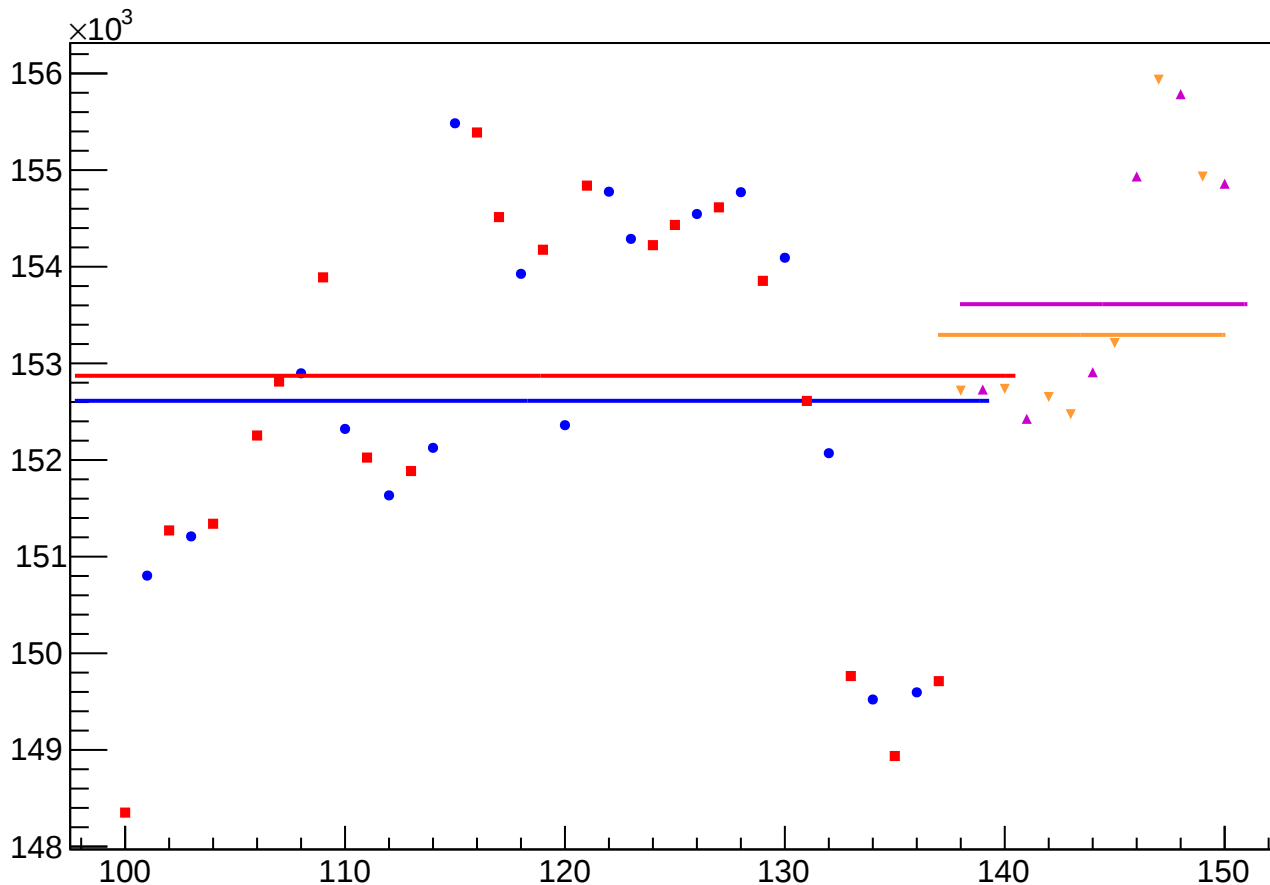
Left In: 195.830+/-0.064 χ^2/NDF : 185703.3/5

168.460+/-0.036 χ^2/NDF : 1189683.0/23

166.533+/-0.025 χ^2/NDF : 2725920.8/49

164.713+/-0.035 χ^2/NDF : 1530806.6/25

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152612.586 $\pm$ 0.072 χ^2 /NDF: 621416187.4/16

Left Out: 153294.725 $\pm$ 0.086 χ^2 /NDF: 163551164.7/6

Right Out: 152871.618 $\pm$ 0.066 χ^2 /NDF: 720639345.6/19

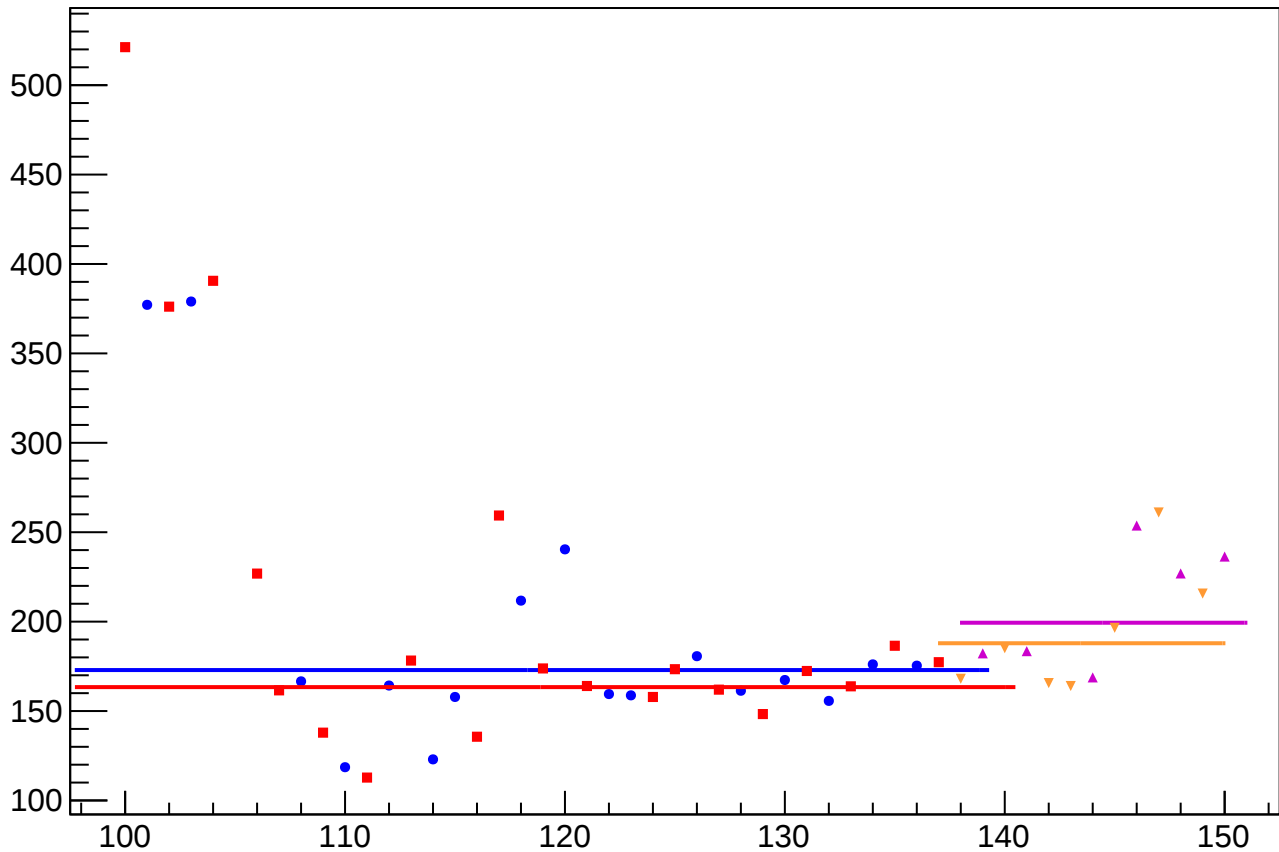
Left In: 153612.591 $\pm$ 0.092 χ^2 /NDF: 182432005.6/5

152893.872 $\pm$ 0.055 χ^2 /NDF: 821810830.1/23

153011.847 $\pm$ 0.039 χ^2 /NDF: 177634651

153123.200 $\pm$ 0.054 χ^2 /NDF: 945695179.8/25

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.921+/-0.051 χ^2/NDF : 941954.0/16

Left Out: 187.915+/-0.061 χ^2/NDF : 214321.9/6

Right Out: 163.382+/-0.047 χ^2/NDF : 1044431.2/19

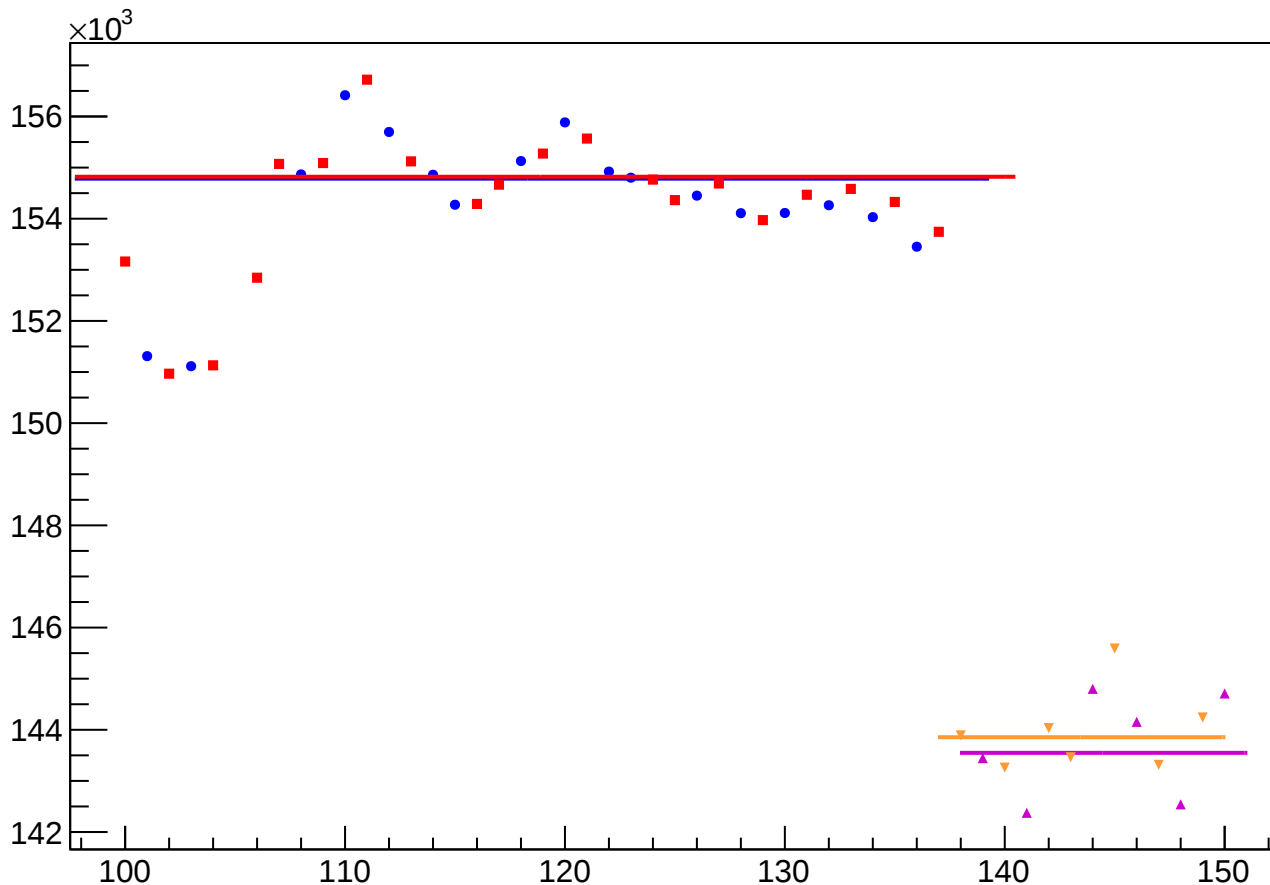
Left In: 199.385+/-0.065 χ^2/NDF : 217137.2/5

179.104+/-0.039 χ^2/NDF : 1191879.3/23

177.304+/-0.027 χ^2/NDF : 2658828.2/49

175.606+/-0.038 χ^2/NDF : 1462835.4/25

yield_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 154783.944 $\pm$ 0.065 χ^2 /NDF: 265581398.0/16

Left Out: 143854.673 $\pm$ 0.078 χ^2 /NDF: 74154946.0/6

150278.418 $\pm$ 0.050 χ^2 /NDF: 11863831900.7/2

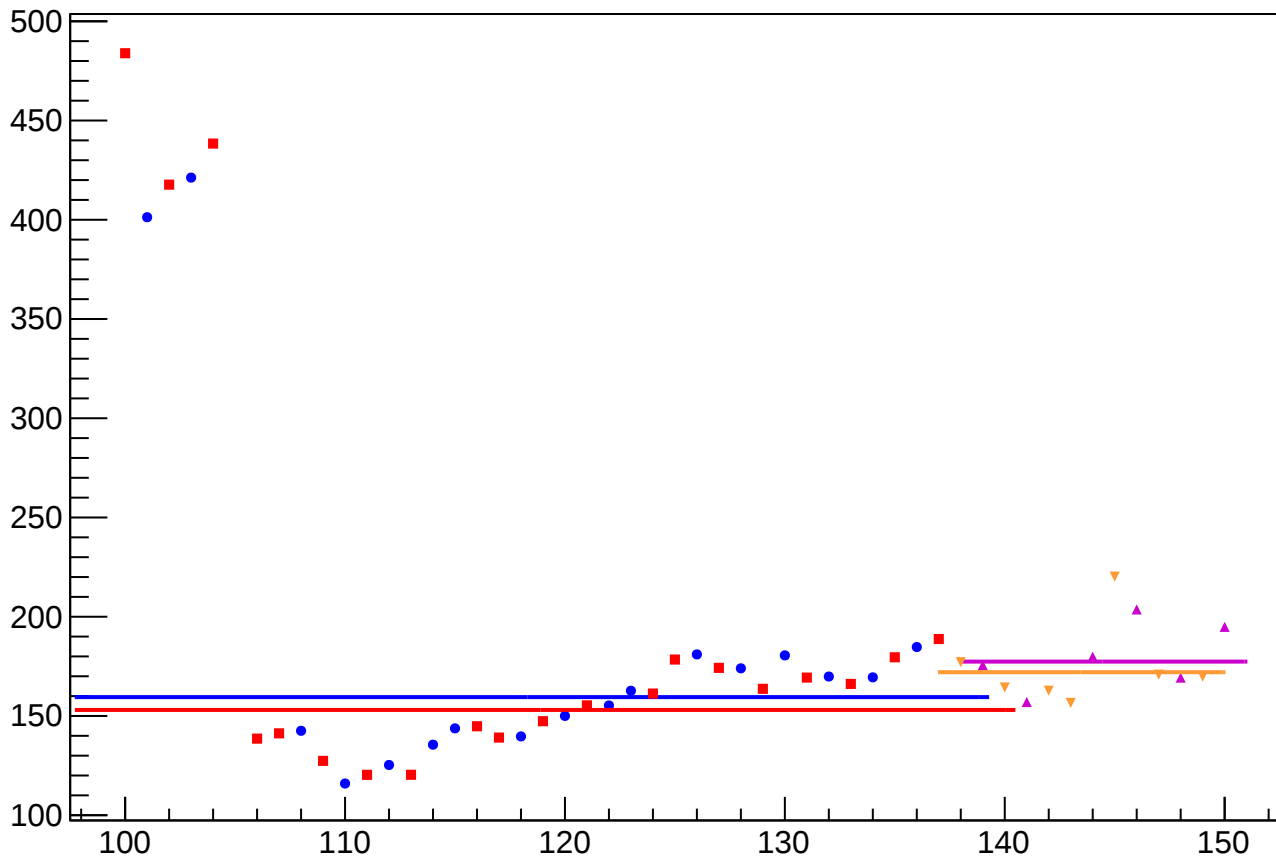
Right Out: 154820.824 $\pm$ 0.061 χ^2 /NDF: 293904936.4/19

150539.760 $\pm$ 0.035 χ^2 /NDF: 247355582

Left In: 143549.294 $\pm$ 0.081 χ^2 /NDF: 153976538.6/5

150785.382 $\pm$ 0.049 χ^2 /NDF: 12818972068.3/2

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 159.504 +/- 0.046 χ^2/NDF : 1131844.5/16

Left Out: 172.053 +/- 0.055 χ^2/NDF : 93645.6/6

Right Out: 153.038 +/- 0.043 χ^2/NDF : 1174616.4/19

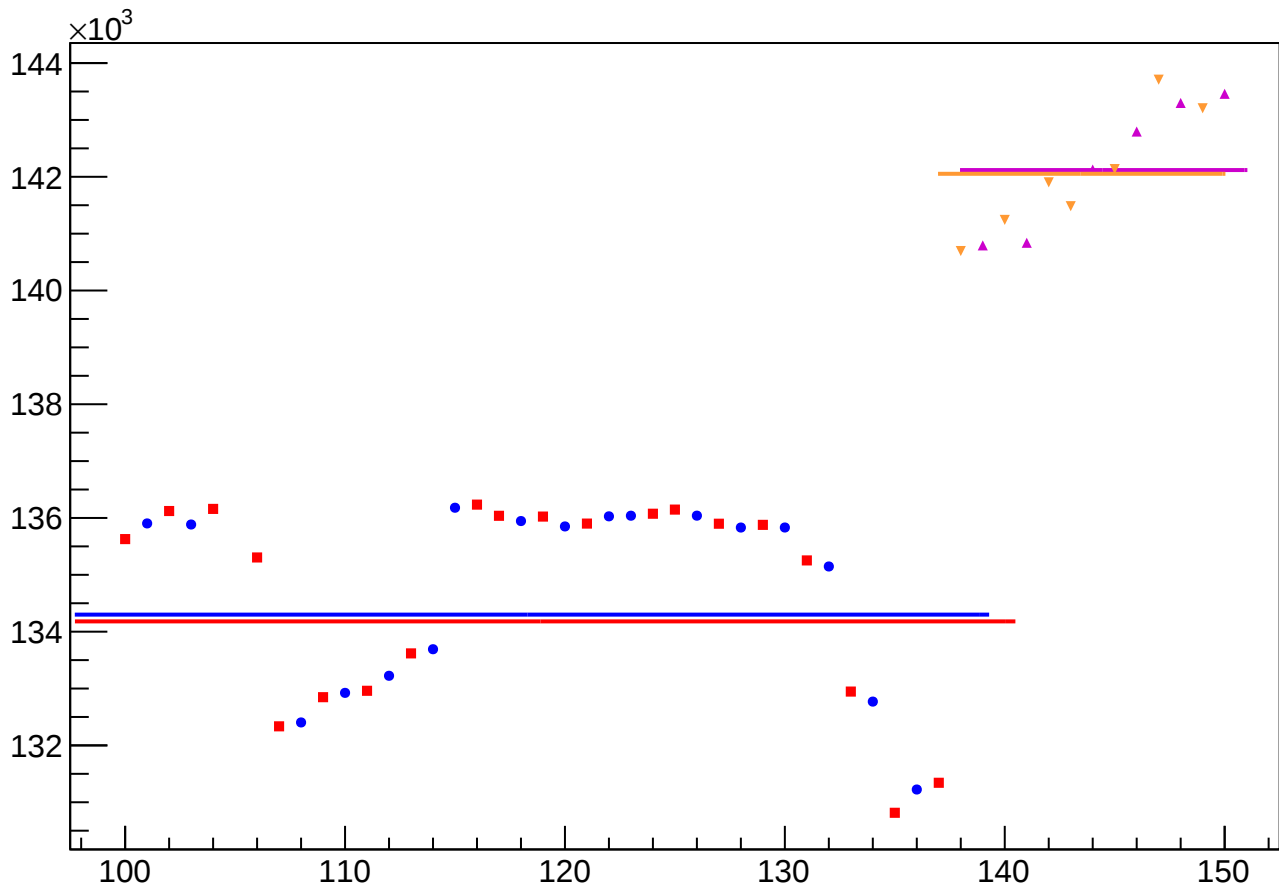
Left In: 177.390 +/- 0.057 χ^2/NDF : 72203.5/5

164.677 +/- 0.035 χ^2/NDF : 1255876.4/23

163.171 +/- 0.025 χ^2/NDF : 2621693.8/49

161.757 +/- 0.034 χ^2/NDF : 1362316.0/25

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134300.025 $\pm$ 0.050 χ^2 /NDF: 1149581803.2/16

Left Out: 142052.805 $\pm$ 0.077 χ^2 /NDF: 182560073.7/6

Right Out: 134180.888 $\pm$ 0.047 χ^2 /NDF: 1224202240.2/19

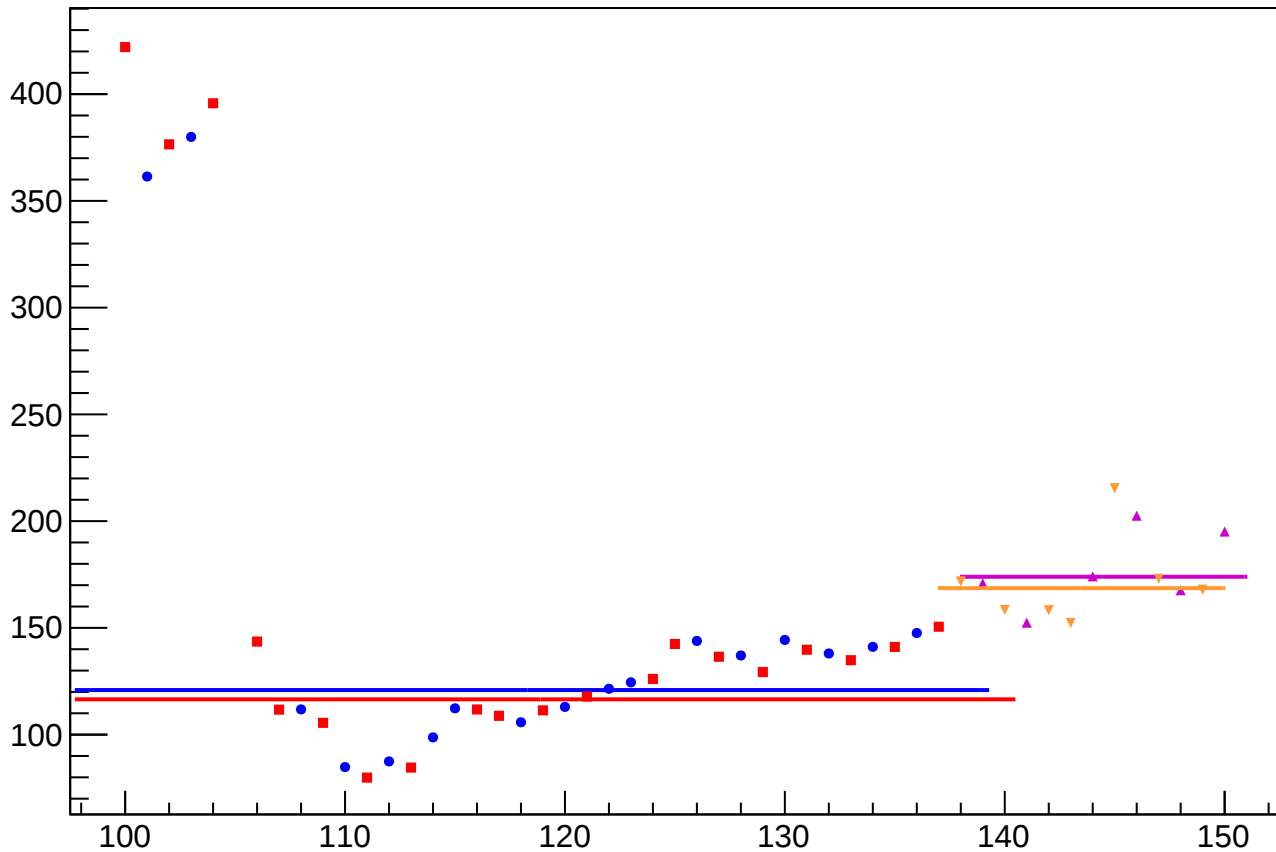
Left In: 142118.637 $\pm$ 0.080 χ^2 /NDF: 188025958.3/5

136636.726 $\pm$ 0.042 χ^2 /NDF: 8480335796.0/23

136429.705 $\pm$ 0.029 χ^2 /NDF: 172641993

136236.675 $\pm$ 0.041 χ^2 /NDF: 8737086042.9/25

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 120.872 +/- 0.036 χ^2/NDF : 1463728.4/16

Left Out: 168.605 +/- 0.054 χ^2/NDF : 98642.6/6

Right Out: 116.531 +/- 0.033 χ^2/NDF : 1541779.4/19

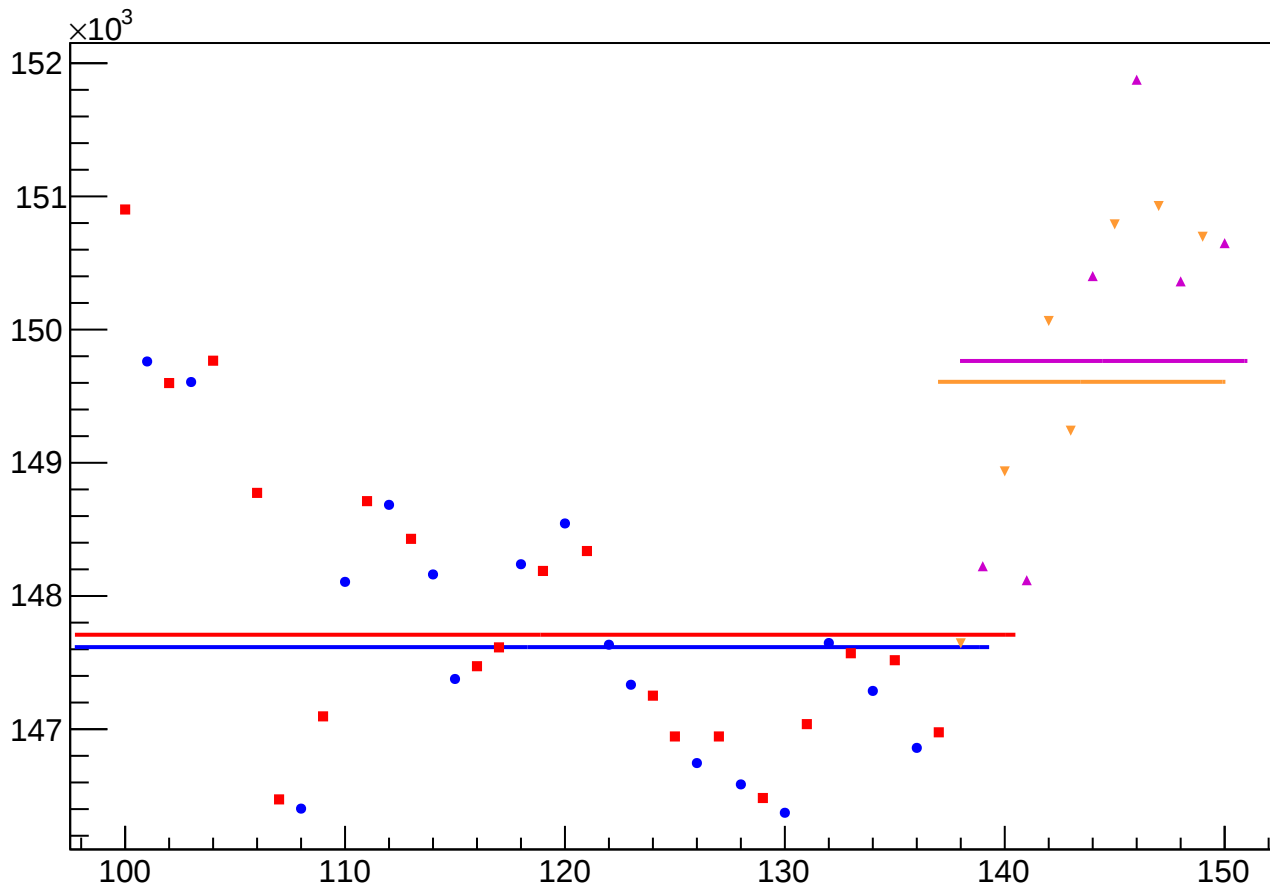
Left In: 173.942 +/- 0.056 χ^2/NDF : 87162.0/5

135.259 +/- 0.030 χ^2/NDF : 2104307.0/23

133.262 +/- 0.021 χ^2/NDF : 4508298.3/49

131.400 +/- 0.029 χ^2/NDF : 2395284.2/25

yield_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 147616.150 $\pm$ 0.062 χ^2 /NDF: 199263428.7/16

Left Out: 149607.963 $\pm$ 0.094 χ^2 /NDF: 144106835.6/6

Right Out: 147709.096 $\pm$ 0.058 χ^2 /NDF: 203924272.1/19

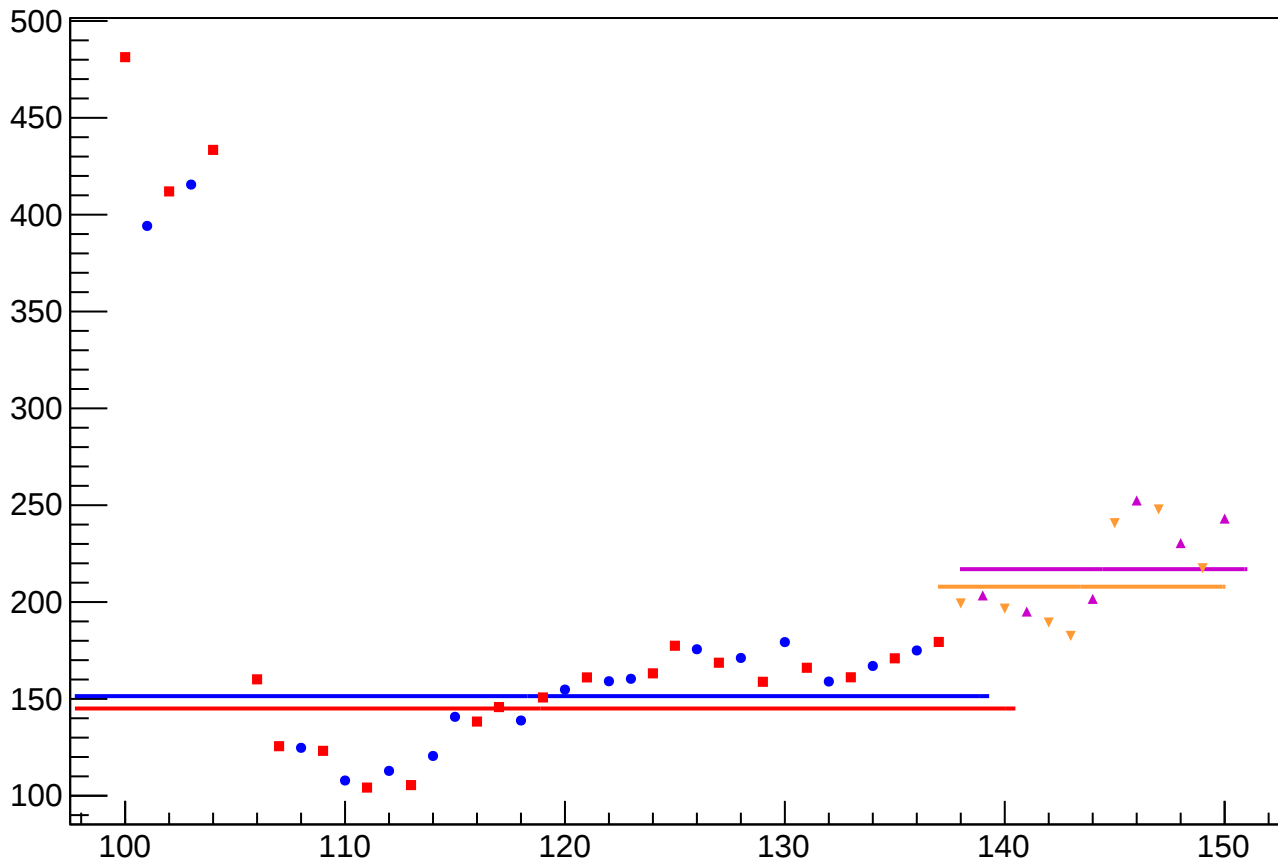
Left In: 149764.521 $\pm$ 0.099 χ^2 /NDF: 179032350.0/5

148222.236 $\pm$ 0.052 χ^2 /NDF: 652579204.1/23

148227.794 $\pm$ 0.036 χ^2 /NDF: 135415629

148232.946 $\pm$ 0.050 χ^2 /NDF: 701555178.9/25

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 151.424 $\pm$ 0.044 χ^2/NDF : 1257843.0/16

Left Out: 207.924 $\pm$ 0.067 χ^2/NDF : 112967.9/6

Right Out: 145.044 $\pm$ 0.041 χ^2/NDF : 1375974.1/19

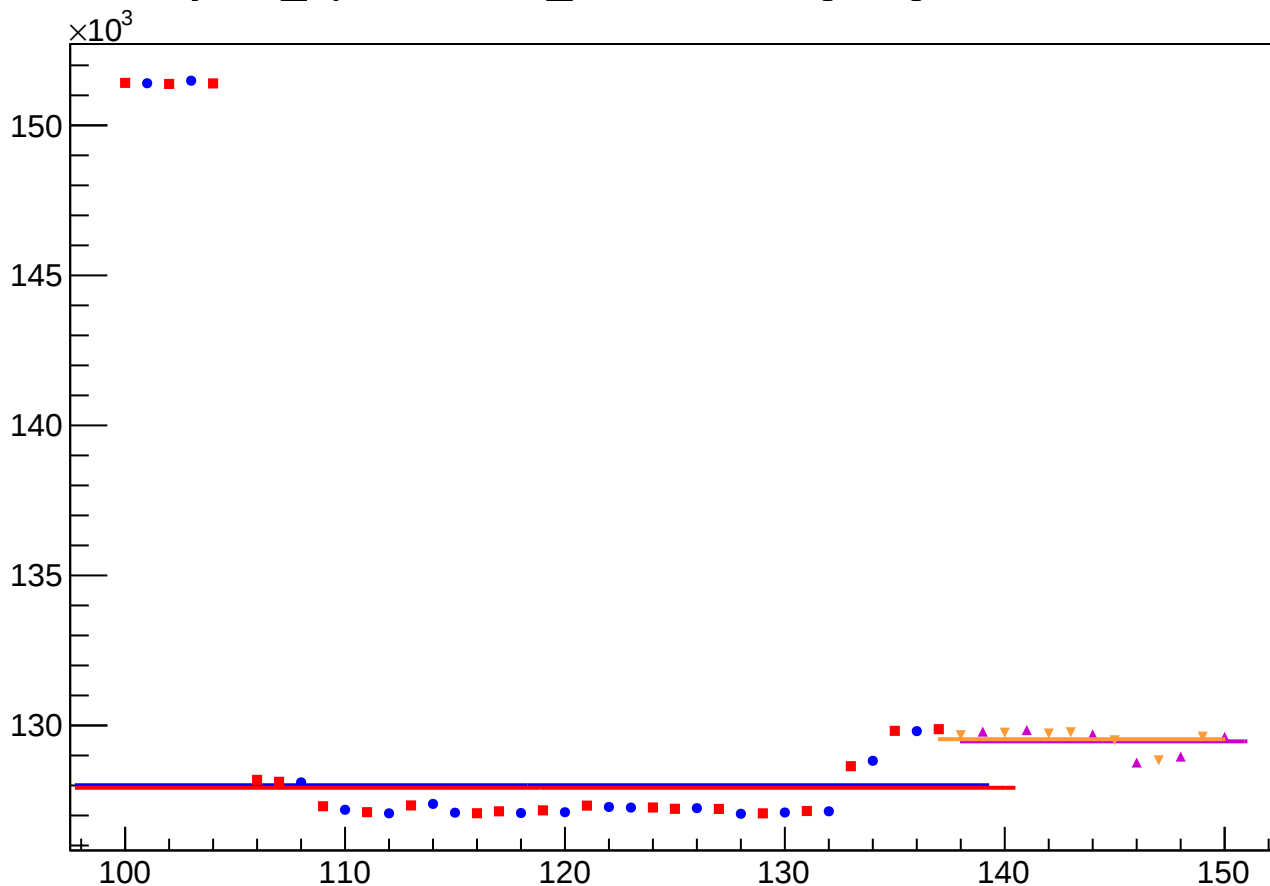
Left In: 216.984 $\pm$ 0.070 χ^2/NDF : 93360.5/5

168.616 $\pm$ 0.037 χ^2/NDF : 1868413.6/23

165.899 $\pm$ 0.026 χ^2/NDF : 4128786.6/49

163.379 $\pm$ 0.035 χ^2/NDF : 2249891.9/25

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16

Left Out: 129542.069 $\pm$ 0.076 χ^2 /NDF: 18677495.1/6

Right Out: 127923.940 $\pm$ 0.050 χ^2 /NDF: 3770107280.1/19

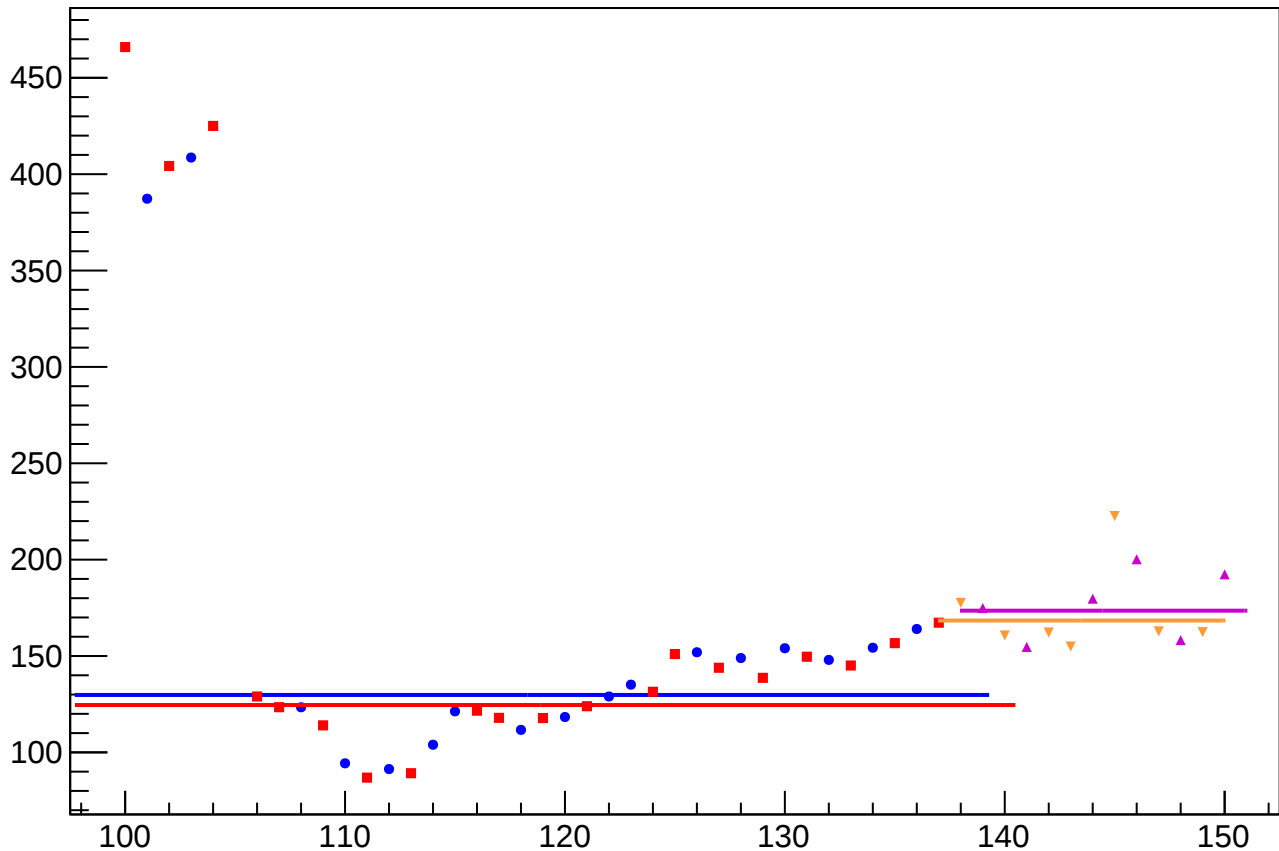
Left In: 129470.269 $\pm$ 0.080 χ^2 /NDF: 27117929.8/5

128519.387 $\pm$ 0.044 χ^2 /NDF: 4606713402.9/23

128438.724 $\pm$ 0.031 χ^2 /NDF: 868073077.7

128364.294 $\pm$ 0.042 χ^2 /NDF: 4067608564.1/25

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.796 +/- 0.038 χ^2/NDF : 1485294.2/16

Left Out: 168.411 +/- 0.054 χ^2/NDF : 113466.4/6

Right Out: 124.572 +/- 0.035 χ^2/NDF : 1532105.0/19

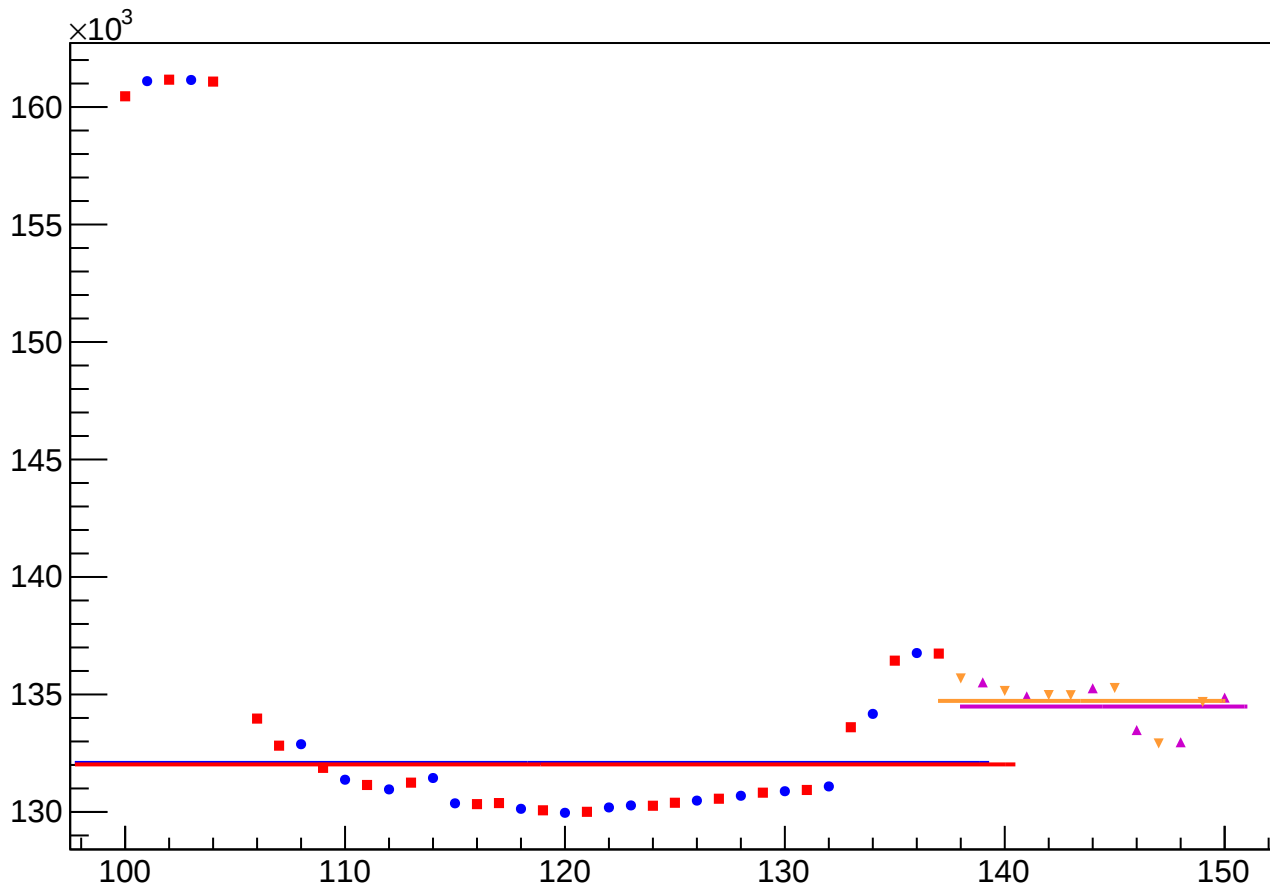
Left In: 173.524 +/- 0.056 χ^2/NDF : 85986.7/5

142.679 +/- 0.031 χ^2/NDF : 1938417.6/23

140.512 +/- 0.022 χ^2/NDF : 4107688.3/49

138.512 +/- 0.030 χ^2/NDF : 2160017.4/25

yield_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16

Left Out: 134726.478 $\pm$ 0.080 χ^2 /NDF: 118705426.7/6

Right Out: 132023.609 $\pm$ 0.052 χ^2 /NDF: 5890492527.2/19

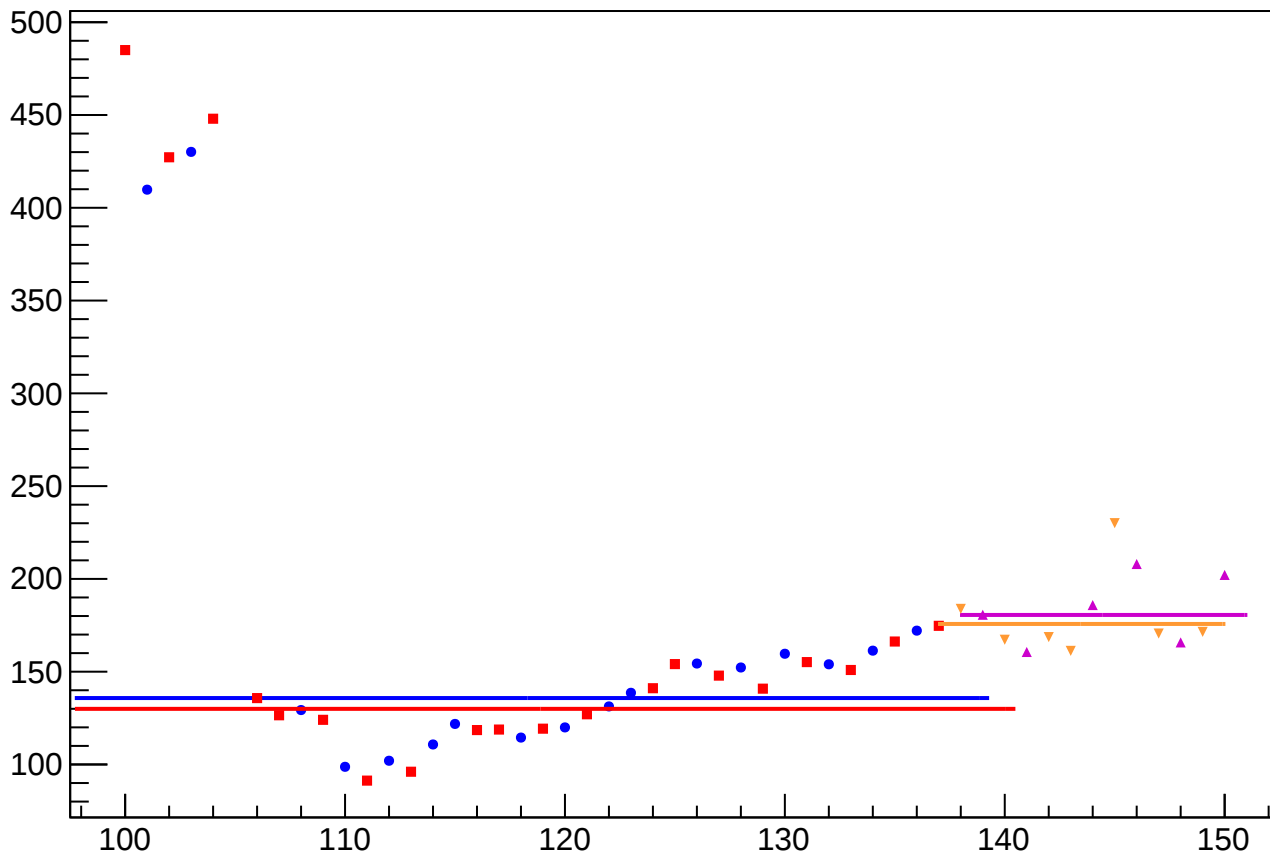
Left In: 134486.057 $\pm$ 0.083 χ^2 /NDF: 131390384.5/5

132969.140 $\pm$ 0.046 χ^2 /NDF: 7580900876.7/23

132842.612 $\pm$ 0.032 χ^2 /NDF: 142496167

132726.299 $\pm$ 0.044 χ^2 /NDF: 6654270855.3/25

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 135.796 $\pm$ 0.040 χ^2/NDF : 1441904.9/16

Left Out: 175.724 $\pm$ 0.056 χ^2/NDF :106662.8/6

Right Out: 129.975 $\pm$ 0.037 χ^2/NDF : 1504768.0/19

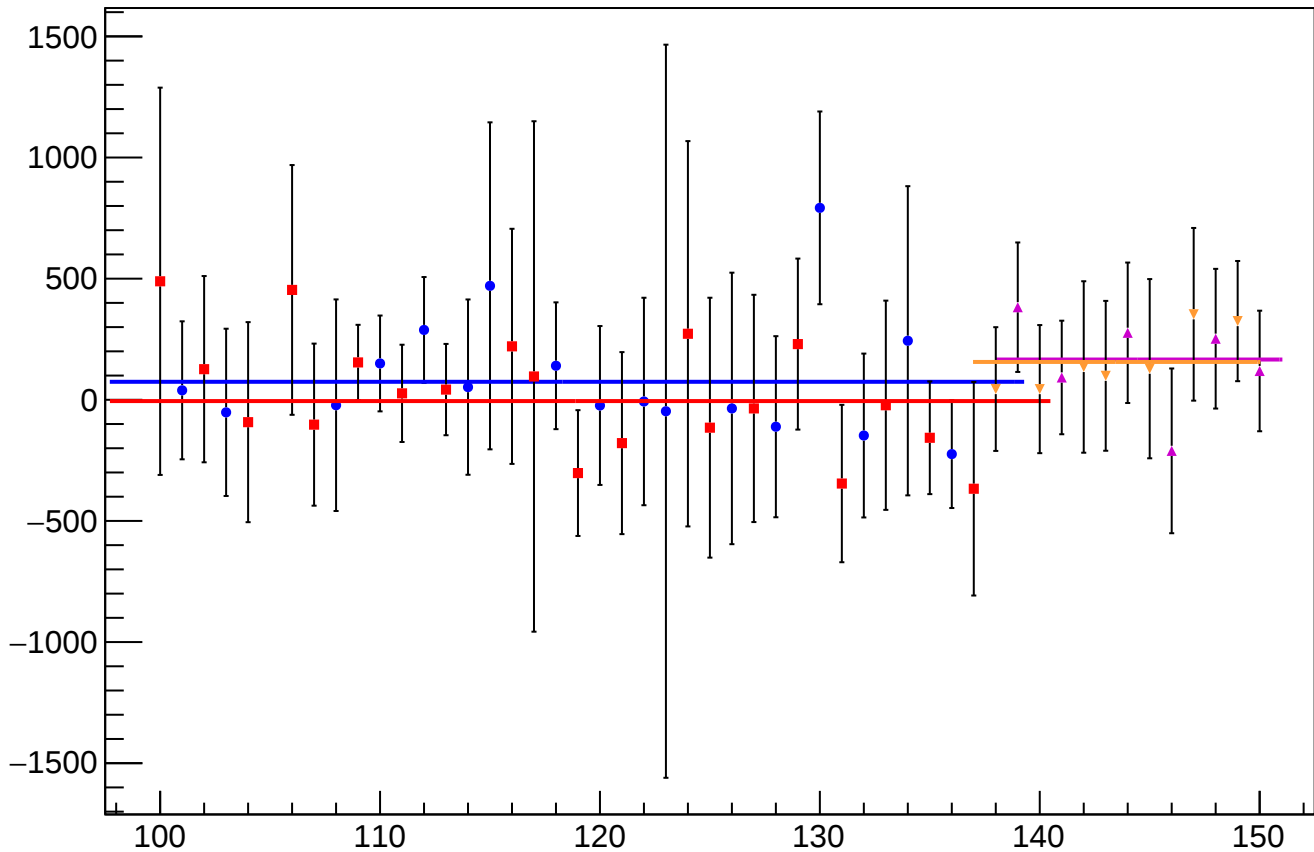
Left In: 180.580 $\pm$ 0.059 χ^2/NDF :86777.9/5

149.143 $\pm$ 0.033 χ^2/NDF : 1882140.8/23

146.680 $\pm$ 0.023 χ^2/NDF : 4018776.8/49

144.416 $\pm$ 0.031 χ^2/NDF : 2125689.4/25

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 74.294 ± 79.018 χ^2/NDF : 7.7/16

Left Out: 156.233 ± 112.144 χ^2/NDF : 1.2/6

Right Out: -5.290 ± 69.914 χ^2/NDF : 7.1/19

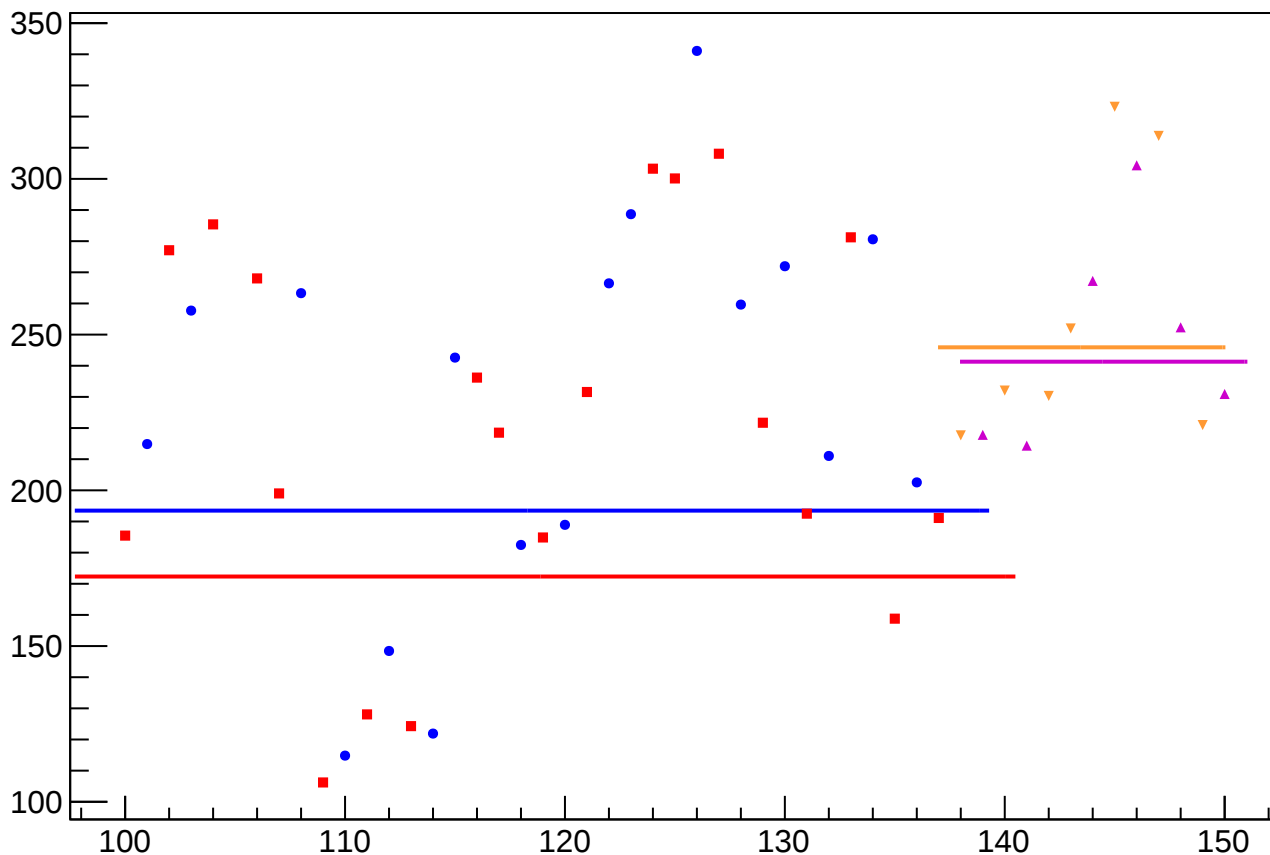
Left In: 166.192 ± 111.151 χ^2/NDF : 2.3/5

101.479 ± 64.594 χ^2/NDF : 9.2/23

69.862 ± 43.635 χ^2/NDF : 20.7/49

43.323 ± 59.180 χ^2/NDF : 11.1/25

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.488 $\pm$ 0.056 χ^2/NDF : 1017195.7/16

Left Out: 245.915 $\pm$ 0.079 χ^2/NDF : 214693.1/6

Right Out: 172.327 $\pm$ 0.049 χ^2/NDF : 1583701.4/19

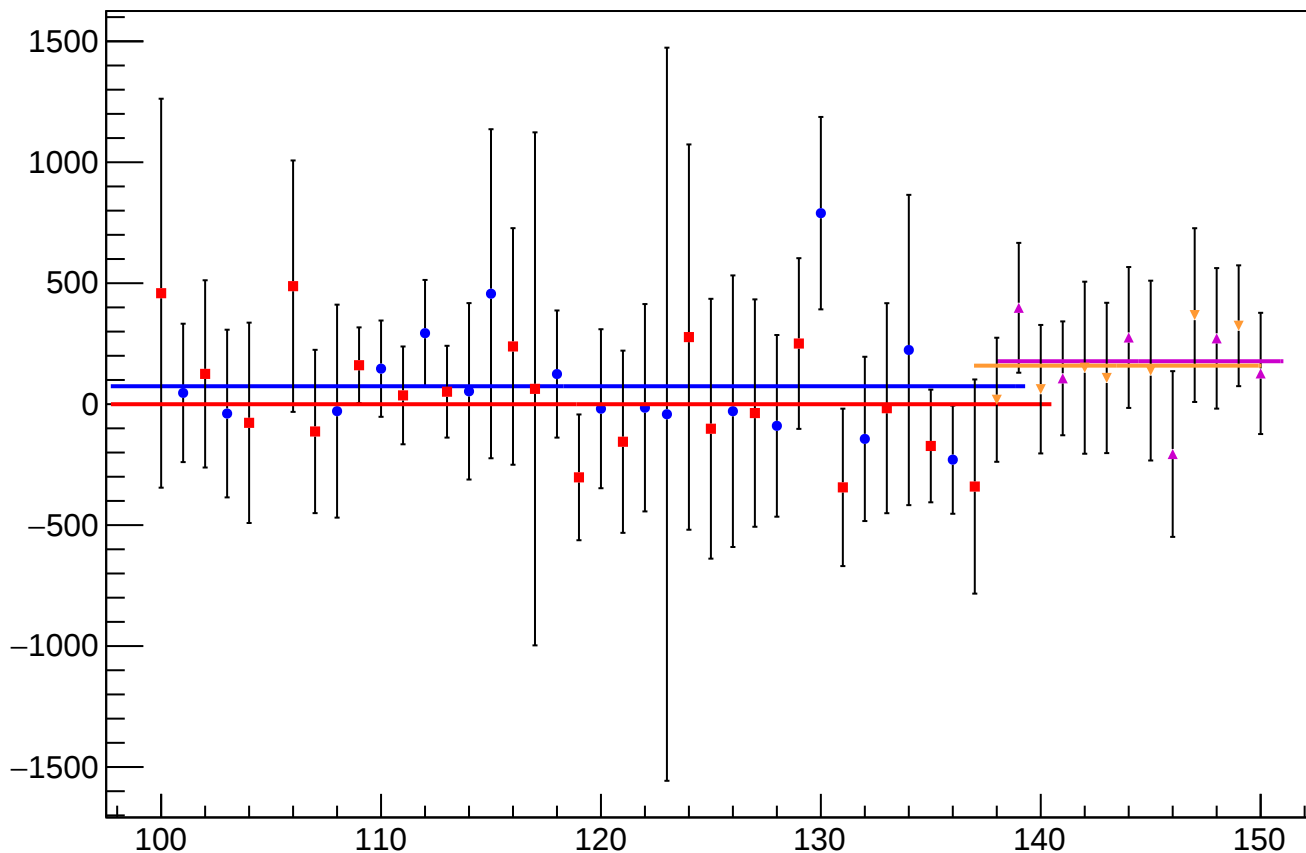
Left In: 241.304 $\pm$ 0.079 χ^2/NDF : 133095.4/5

210.881 $\pm$ 0.046 χ^2/NDF : 1523983.3/23

200.552 $\pm$ 0.031 χ^2/NDF : 3886732.0/49

191.881 $\pm$ 0.042 χ^2/NDF : 2268664.8/25

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 74.098 ± 79.404 χ^2/NDF : 7.6/16

Left Out: 159.194 ± 112.742 χ^2/NDF : 1.2/6

Right Out: -0.223 ± 70.282 χ^2/NDF : 7.3/19

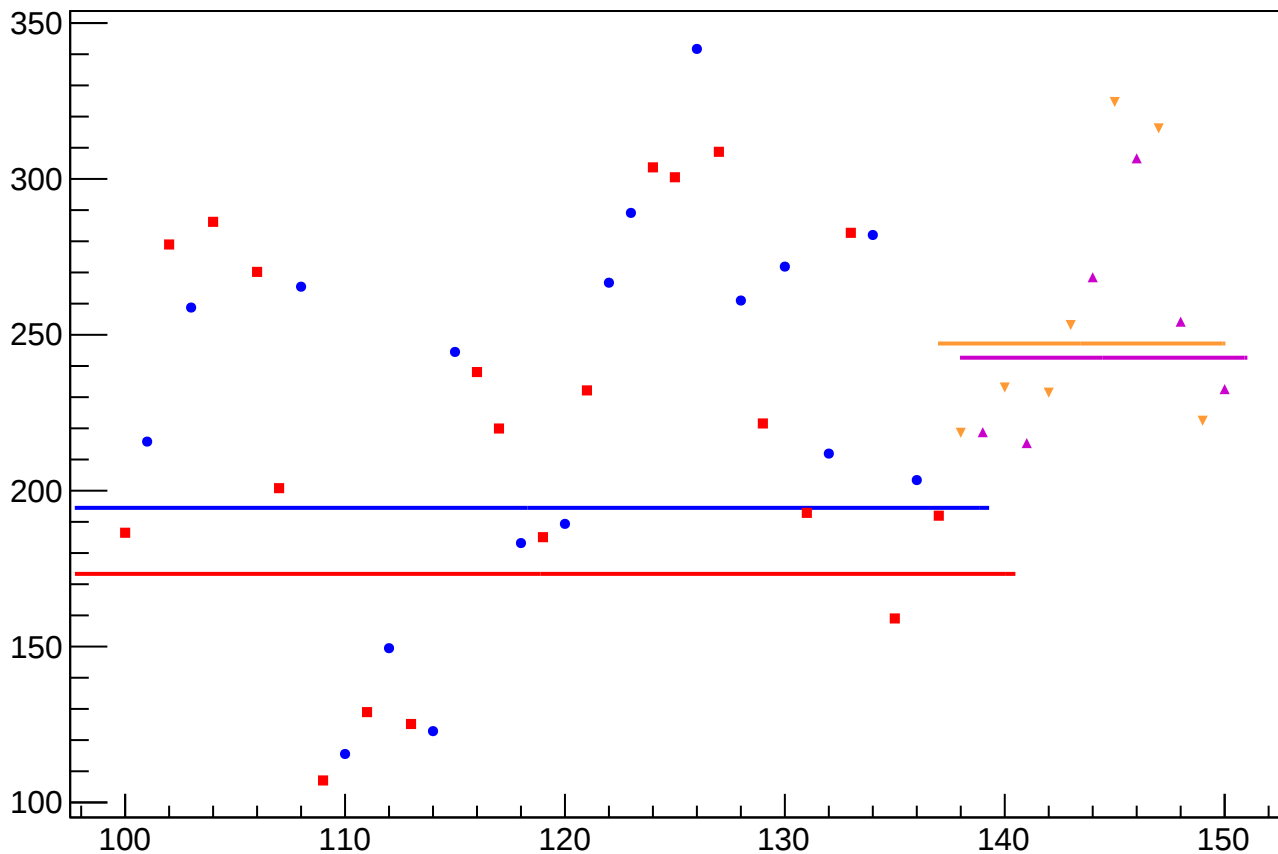
Left In: 177.436 ± 111.787 χ^2/NDF : 2.3/5

102.313 ± 64.919 χ^2/NDF : 9.2/23

73.941 ± 43.863 χ^2/NDF : 20.9/49

50.108 ± 59.499 χ^2/NDF : 11.4/25

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.496 $\pm$ 0.056 χ^2 /NDF: 1008514.7/16

Left Out: 247.210 $\pm$ 0.080 χ^2 /NDF:215649.8/6

Right Out: 173.317 $\pm$ 0.050 χ^2 /NDF: 1571258.4/19

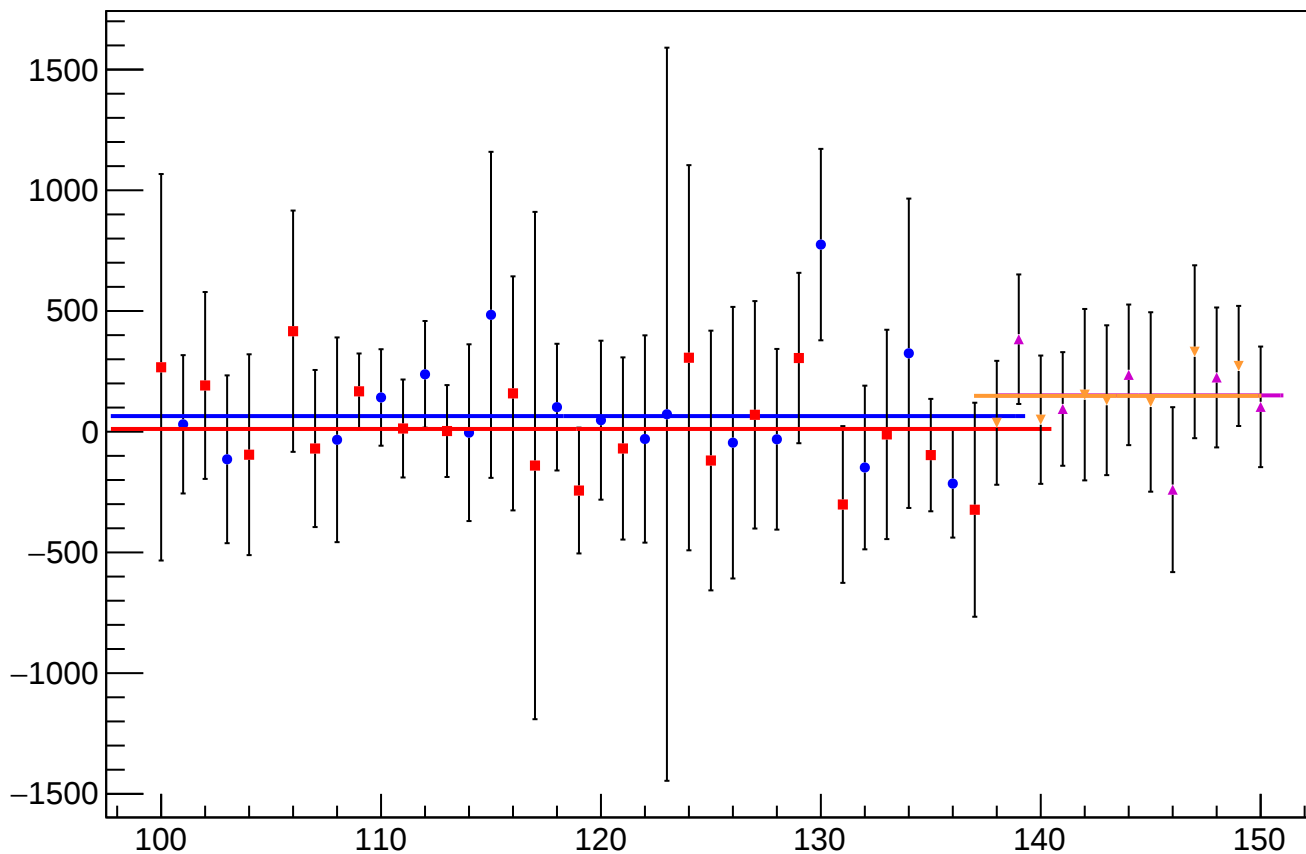
Left In: 242.657 $\pm$ 0.079 χ^2 /NDF:134764.3/5

211.974 $\pm$ 0.046 χ^2 /NDF: 1516423.5/23

201.641 $\pm$ 0.031 χ^2 /NDF: 3867195.8/49

192.961 $\pm$ 0.042 χ^2 /NDF: 2257532.5/25

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 64.733+/-79.399 χ^2/NDF : 7.0/16

Left Out: 148.554+/-112.605 χ^2/NDF : 0.8/6

Right Out: 11.414+/-70.204 χ^2/NDF : 5.8/19

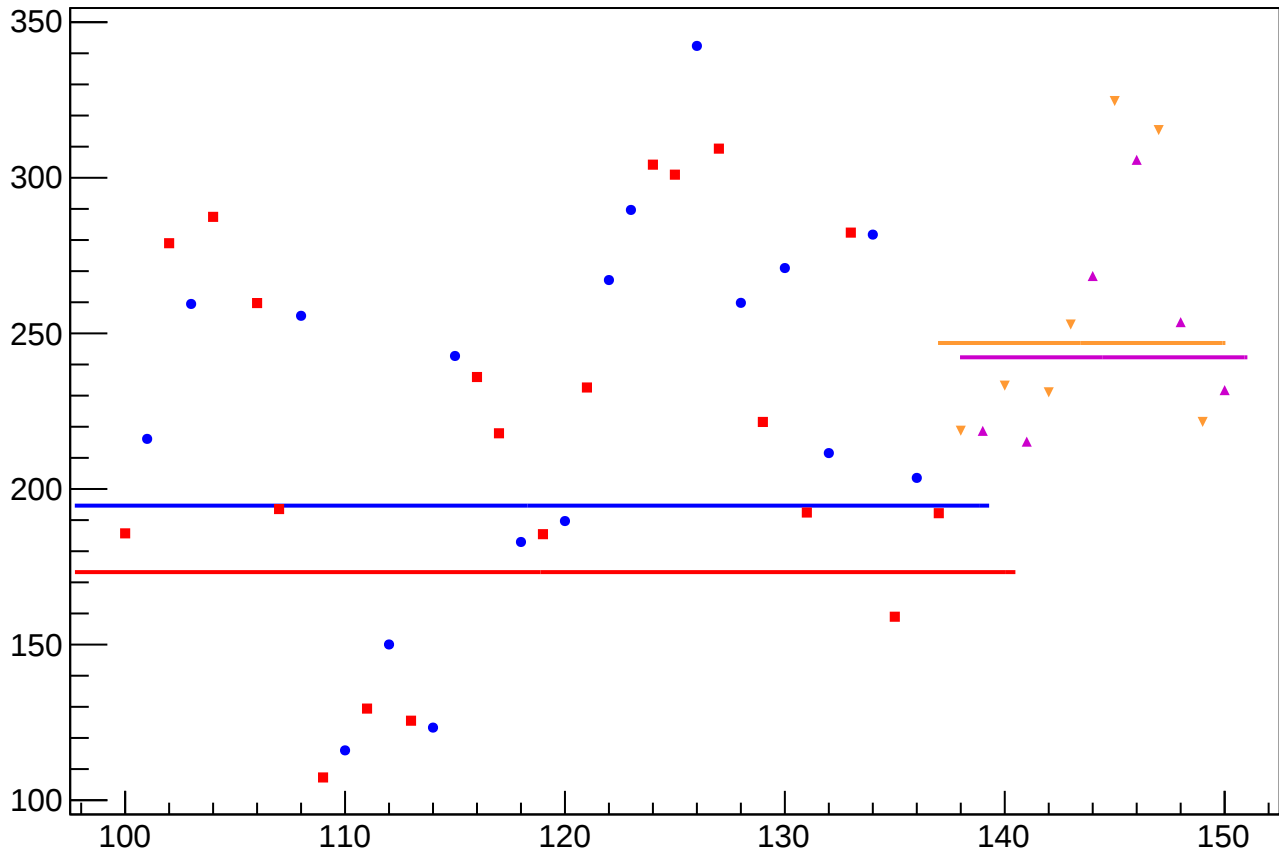
Left In: 150.466+/-111.618 χ^2/NDF : 2.3/5

92.568+/-64.890 χ^2/NDF : 8.2/23

69.868+/-43.825 χ^2/NDF : 17.7/49

50.830+/-59.426 χ^2/NDF : 9.2/25

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.652+/-0.056 χ^2/NDF : 986798.9/16

Left Out: 246.915+/-0.080 χ^2/NDF : 215487.5/6

Right Out: 173.289+/-0.050 χ^2/NDF : 1548162.6/19

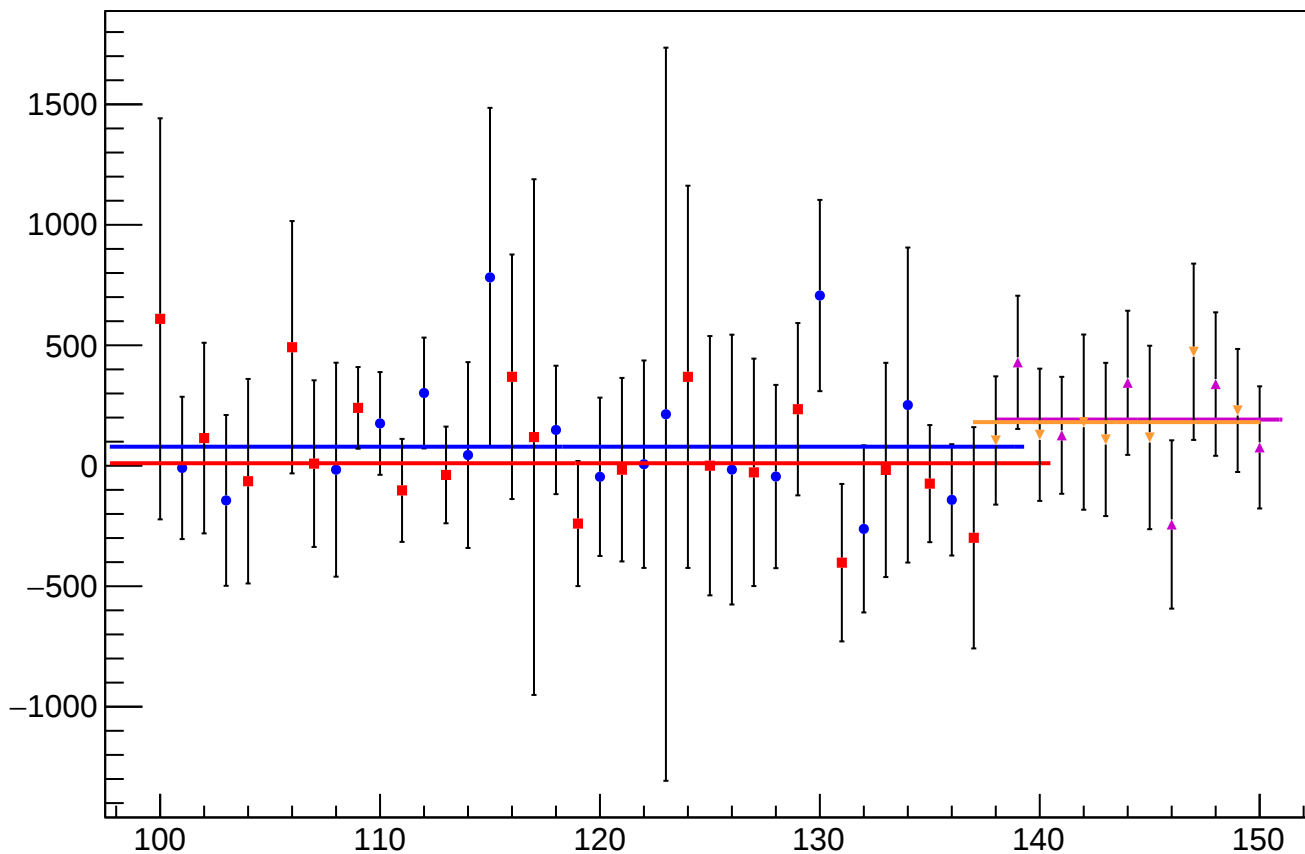
Left In: 242.313+/-0.079 χ^2/NDF : 133771.7/5

212.007+/-0.046 χ^2/NDF : 1490048.5/23

201.591+/-0.031 χ^2/NDF : 3814766.8/49

192.854+/-0.042 χ^2/NDF : 2229954.9/25

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 79.128 $\pm$ 81.874 χ^2 /NDF: 7.5/16

Left Out: 181.129 $\pm$ 115.821 χ^2 /NDF:0.9/6

Right Out: 10.491 $\pm$ 73.139 χ^2 /NDF: 7.9/19

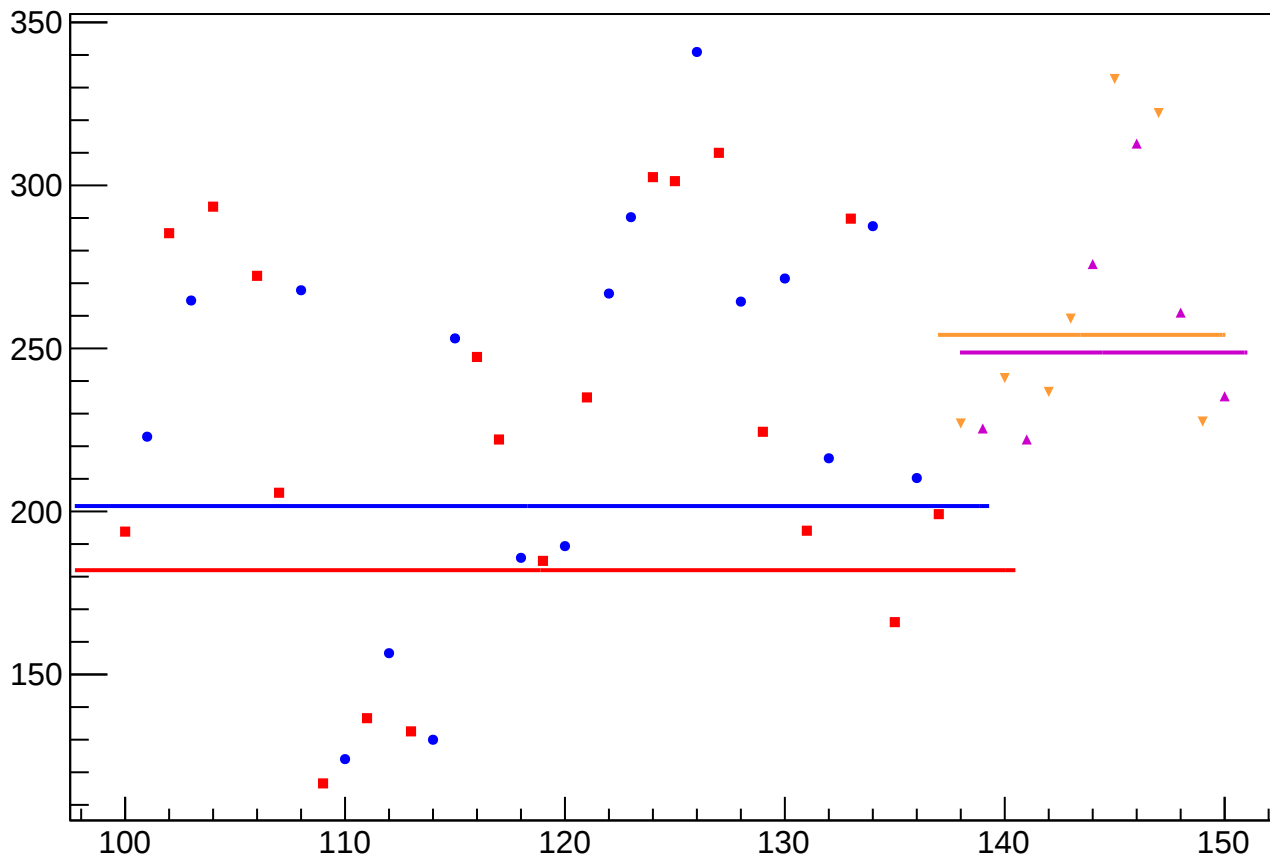
Left In: 191.742 $\pm$ 114.510 χ^2 /NDF:3.1/5

113.116 $\pm$ 66.857 χ^2 /NDF: 8.9/23

86.031 $\pm$ 45.318 χ^2 /NDF: 21.9/49

63.008 $\pm$ 61.639 χ^2 /NDF: 12.7/25

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 201.654 $\pm$ 0.058 χ^2 /NDF: 883179.7/16

Left Out: 254.157 $\pm$ 0.082 χ^2 /NDF:206461.3/6

Right Out: 181.986 $\pm$ 0.052 χ^2 /NDF: 1380269.0/19

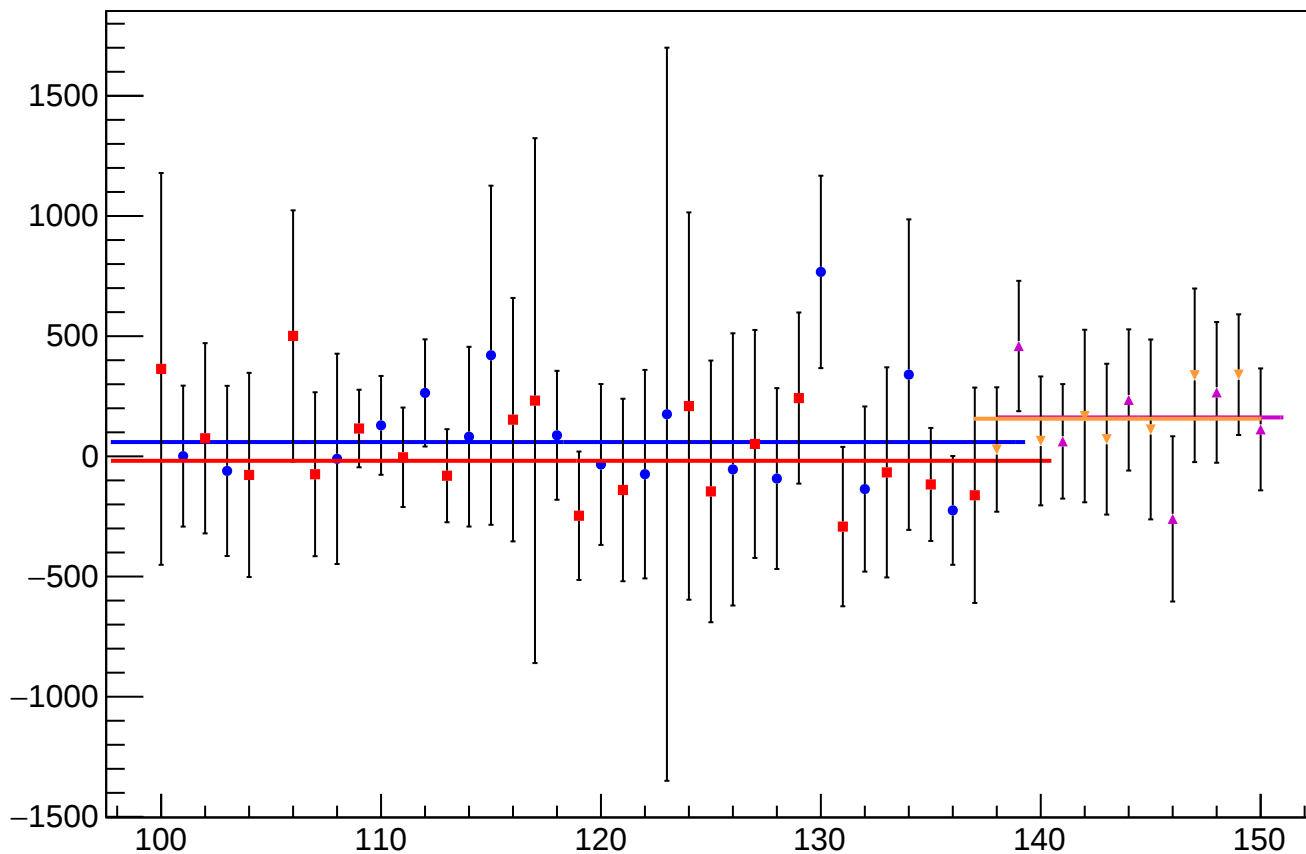
Left In: 248.746 $\pm$ 0.081 χ^2 /NDF:131108.5/5

219.148 $\pm$ 0.047 χ^2 /NDF: 1363676.3/23

209.516 $\pm$ 0.032 χ^2 /NDF: 3434686.4/49

201.329 $\pm$ 0.044 χ^2 /NDF: 1994213.9/25

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.496+/-80.808 χ^2/NDF : 7.0/16

Left Out: 156.631+/-113.634 χ^2/NDF : 1.2/6

Right Out: -18.457+/-71.711 χ^2/NDF : 4.8/19

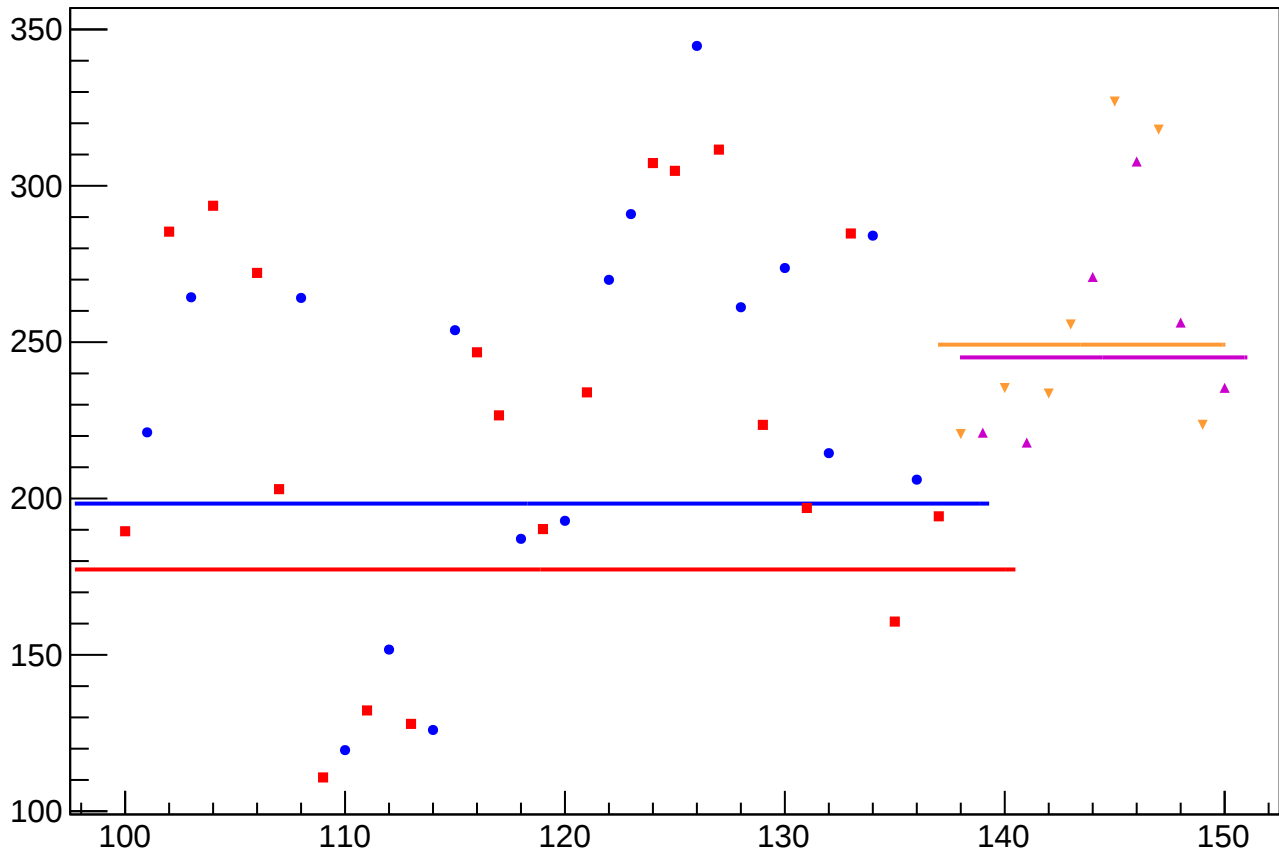
Left In: 161.968+/-112.873 χ^2/NDF : 3.1/5

92.119+/-65.855 χ^2/NDF : 8.7/23

60.304+/-44.564 χ^2/NDF : 18.9/49

33.427+/-60.528 χ^2/NDF : 9.7/25

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.378 ± 0.057 χ^2/NDF : 963672.6/16

Left Out: 249.200 ± 0.080 χ^2/NDF : 214103.8/6

Right Out: 177.309 ± 0.051 χ^2/NDF : 1528855.2/19

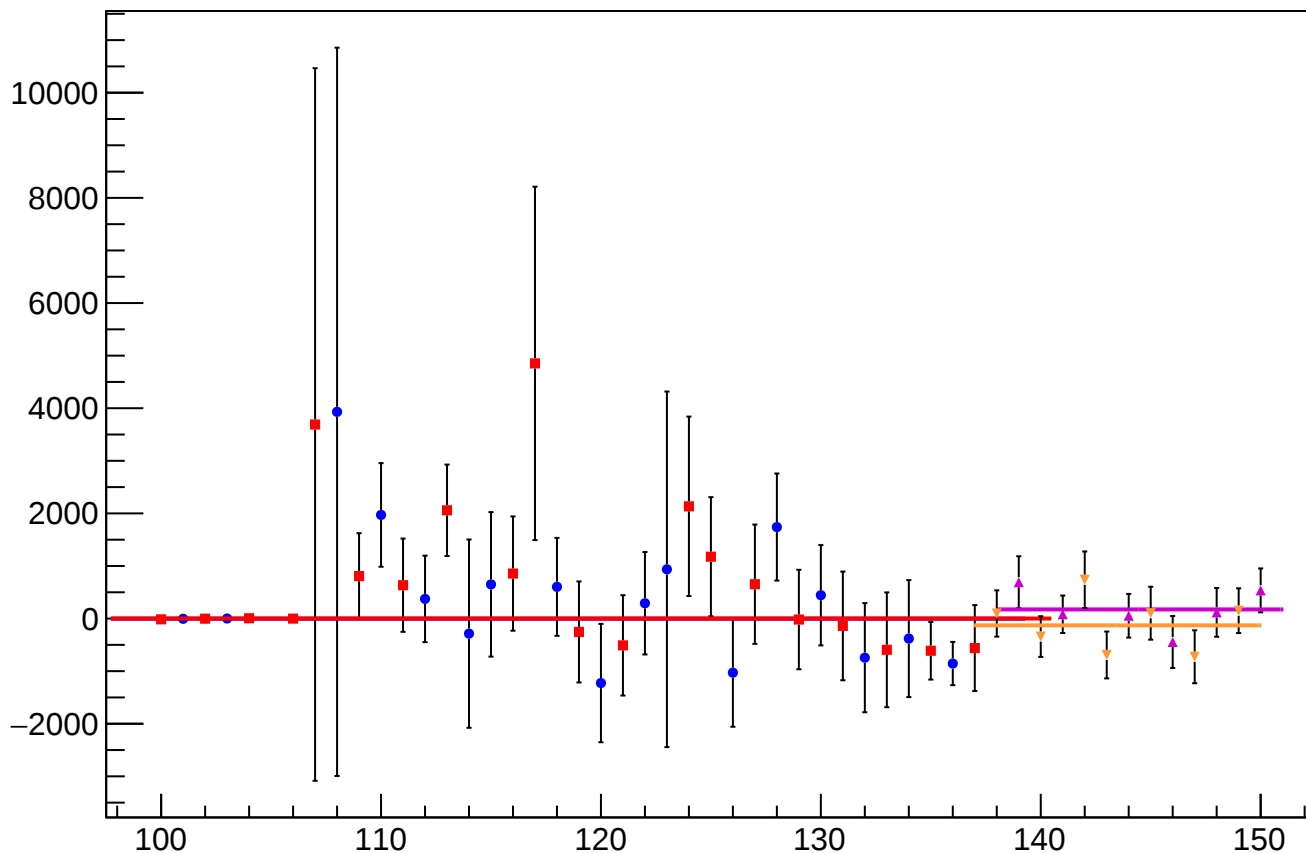
Left In: 245.125 ± 0.080 χ^2/NDF : 129481.9/5

215.447 ± 0.047 χ^2/NDF : 1443467.8/23

205.345 ± 0.032 χ^2/NDF : 3702968.4/49

196.811 ± 0.043 χ^2/NDF : 2172675.4/25

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -129.365 ± 172.082 χ^2/NDF : 6.8/6

Right Out: 0.728 ± 2.111 χ^2/NDF : 21.4/19

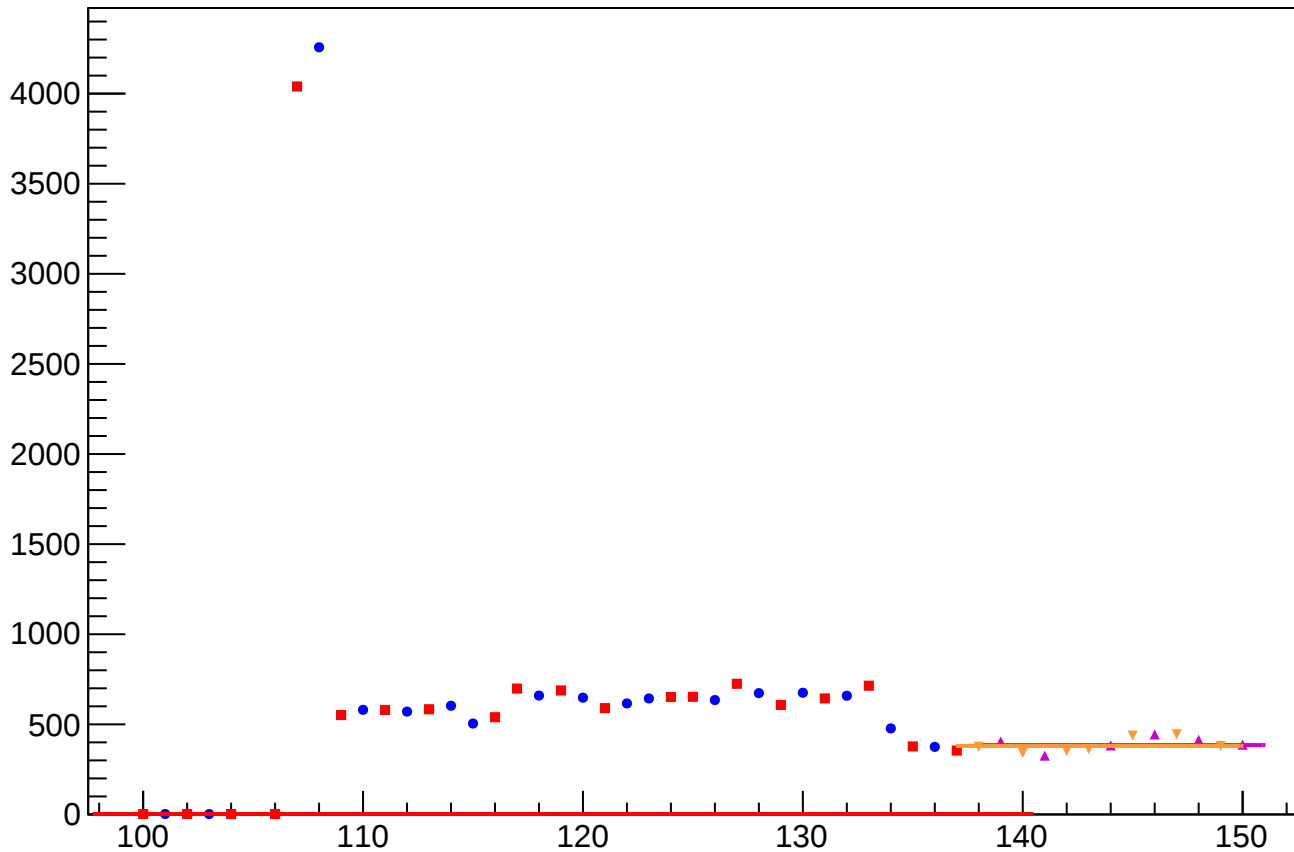
Left In: 173.828 ± 175.961 χ^2/NDF : 3.6/5

-1.551 ± 2.251 χ^2/NDF : 24.3/23

-0.325 ± 1.540 χ^2/NDF : 50.8/49

0.753 ± 2.111 χ^2/NDF : 26.0/25

asym_cav4bQ_rms vs Slug, Sign Corrected



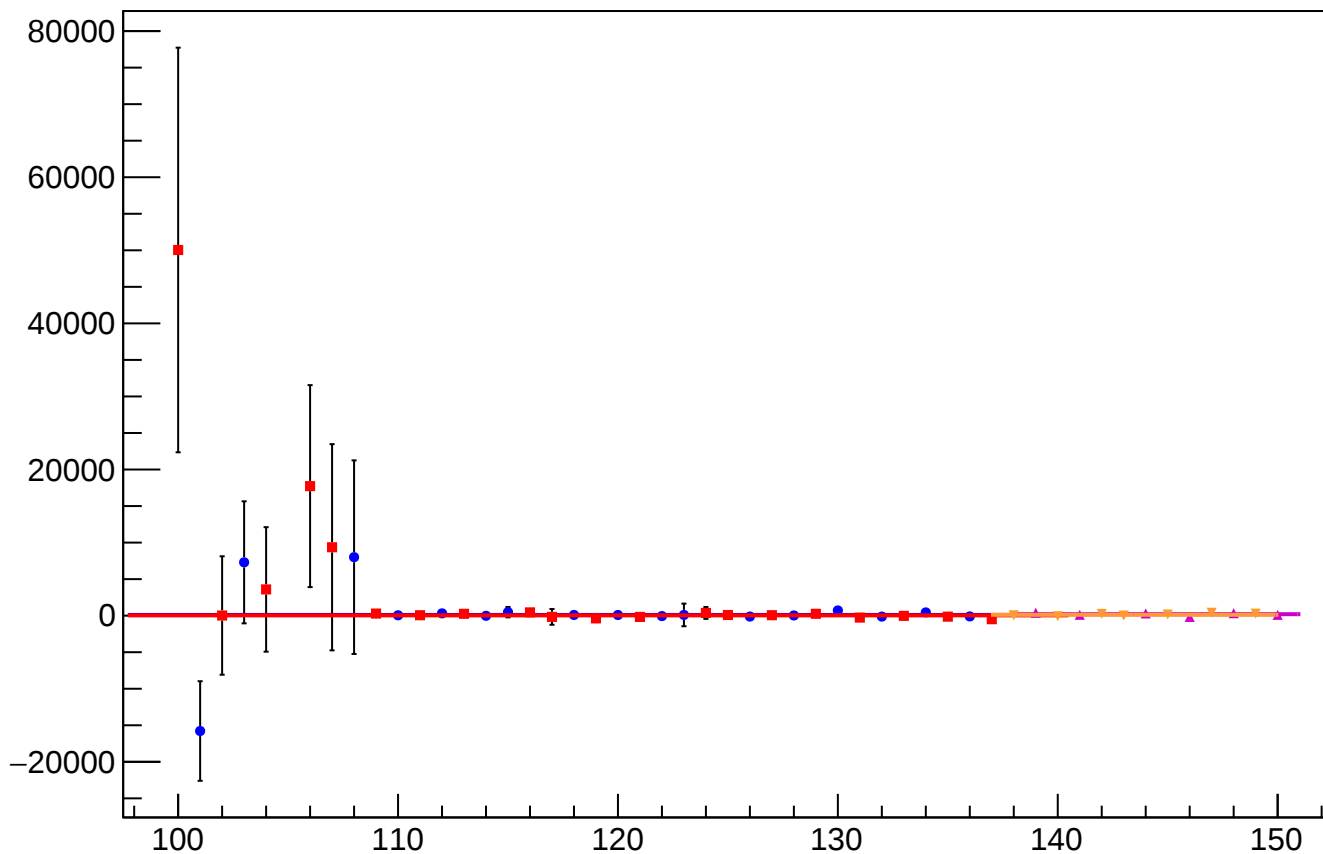
Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 380.427+/-0.122 χ^2/NDF : 88220.7/6

Right Out: 2.437+/-0.001 χ^2/NDF : 11233207.9/19

Left In: 384.917+/-0.124 χ^2/NDF :

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: 120.799+/-119.588 χ^2/NDF : 1.6/6

Right Out: 41.024+/-84.237 χ^2/NDF : 13.9/19

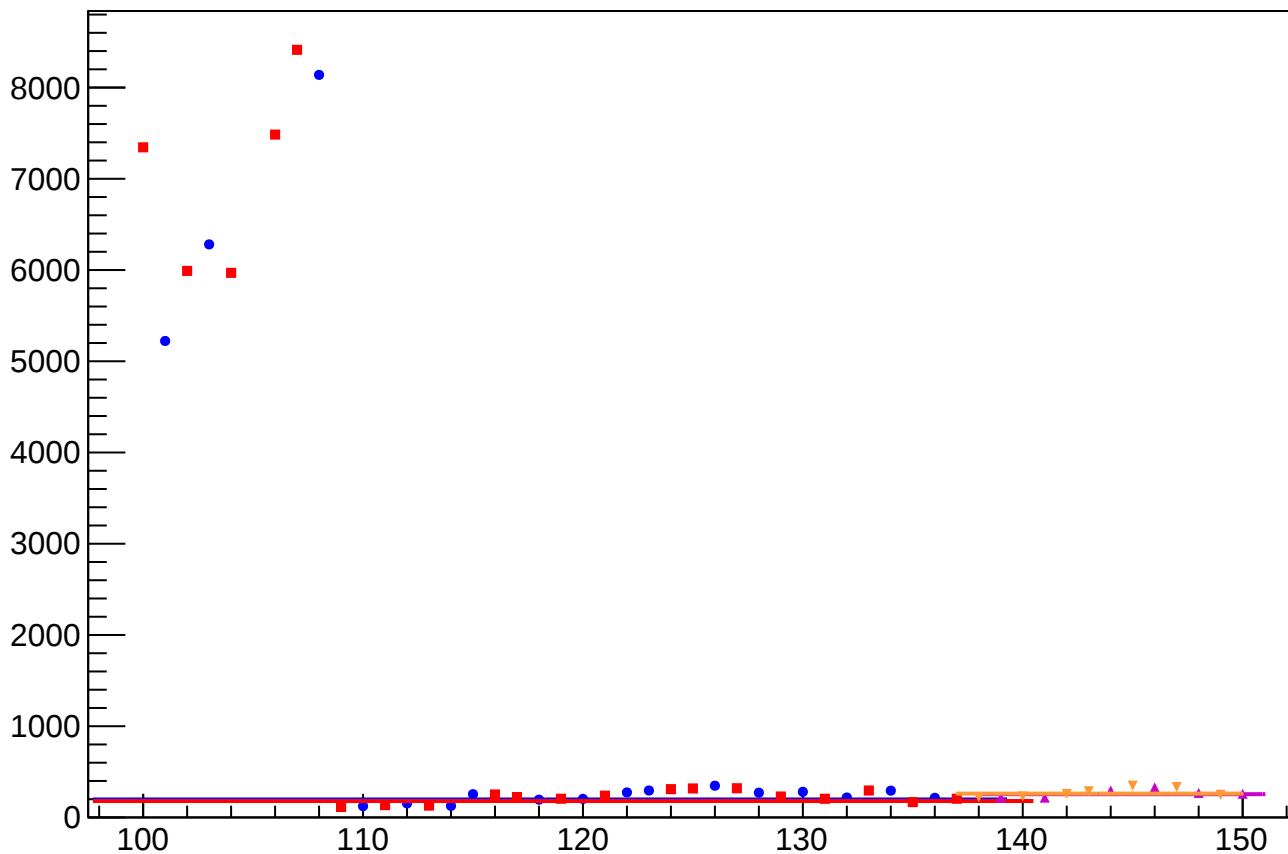
Left In: 202.217+/-117.948 χ^2/NDF : 2.1/5

106.752+/-72.347 χ^2/NDF : 13.5/23

100.808+/-49.760 χ^2/NDF : 30.8/49

95.471+/-68.550 χ^2/NDF : 17.3/25

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.086+/-0.064 χ^2/NDF : 3693614.0/16

Left Out: 261.520+/-0.085 χ^2/NDF : 260112.4/6

Right Out: 180.217+/-0.060 χ^2/NDF : 4324457.3/19

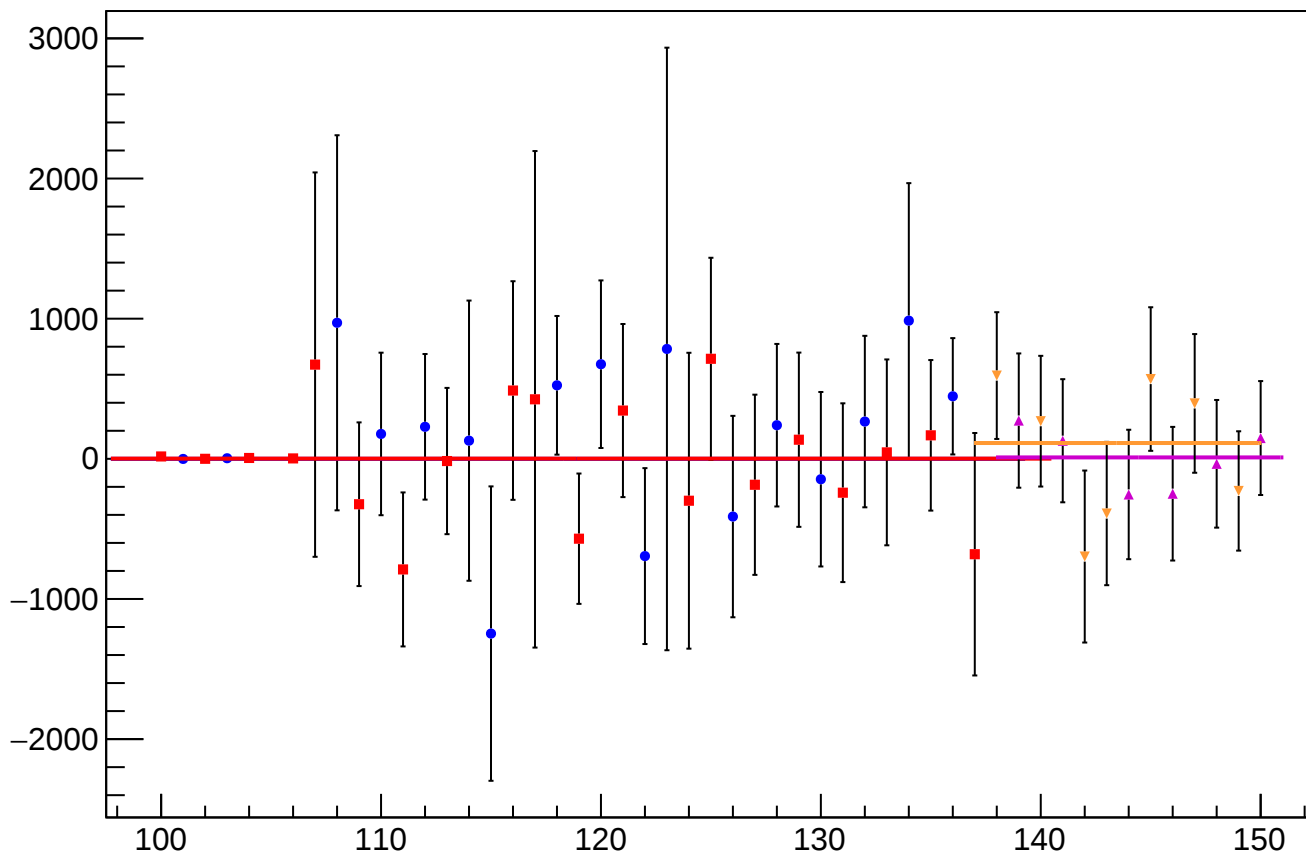
Left In: 255.078+/-0.083 χ^2/NDF : 205939.2/5

220.668+/-0.051 χ^2/NDF : 4321838.6/23

212.677+/-0.035 χ^2/NDF : 9432074.5/49

205.503+/-0.048 χ^2/NDF : 5063936.4/25

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: 112.784 ± 184.493 χ^2/NDF : 5.7/6

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.7/19

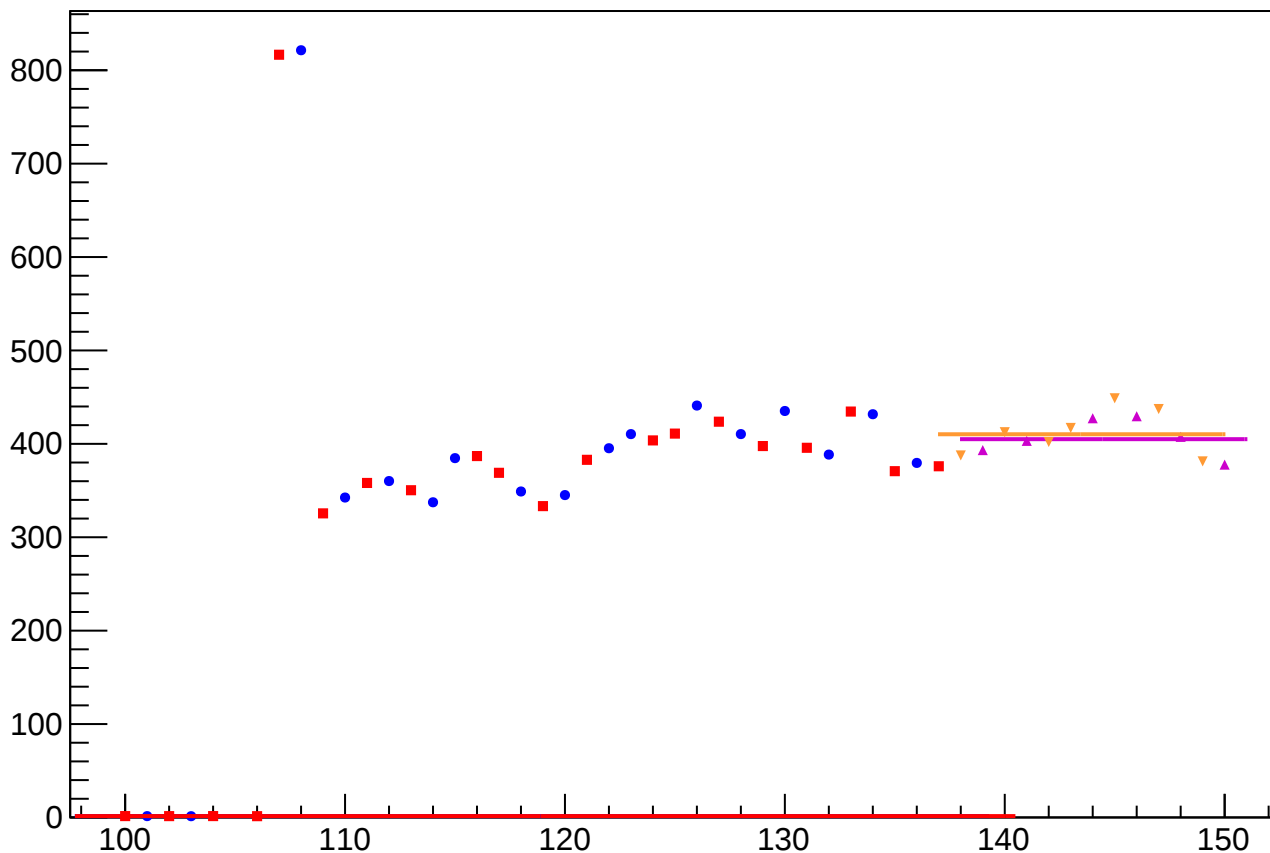
Left In: 10.044 ± 184.107 χ^2/NDF : 1.1/5

-0.128 ± 1.737 χ^2/NDF : 15.8/23

0.647 ± 1.186 χ^2/NDF : 27.0/49

1.324 ± 1.622 χ^2/NDF : 10.8/25

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 410.262+/-0.130 χ^2/NDF : 32361.3/6

Right Out: 1.451+/-0.001 χ^2/NDF : 10966832.6/19

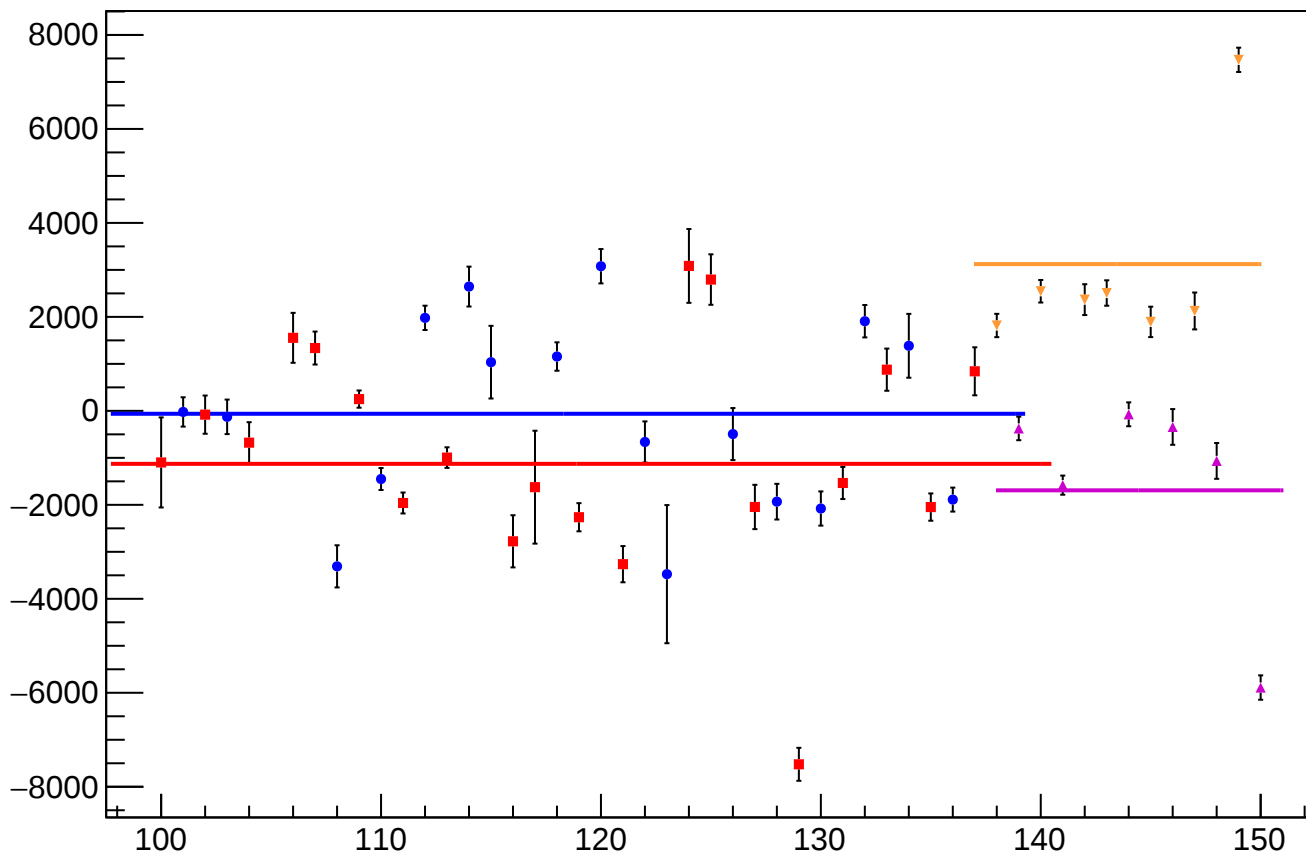
Left In: 405.006+/-0.130 χ^2/NDF : 20279.5/5

1.489+/-0.001 χ^2/NDF : 20809457.7/23

1.486+/-0.001 χ^2/NDF : 41405248.8/49

1.483+/-0.001 χ^2/NDF : 20595776.9/25

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -62.164 ± 87.424 $\chi^2/\text{NDF}: 433.9/16$

Left Out: 3123.159 ± 106.846 $\chi^2/\text{NDF}: 347.3/6$

Right Out: -1127.552 ± 78.203 $\chi^2/\text{NDF}: 671.4/19$

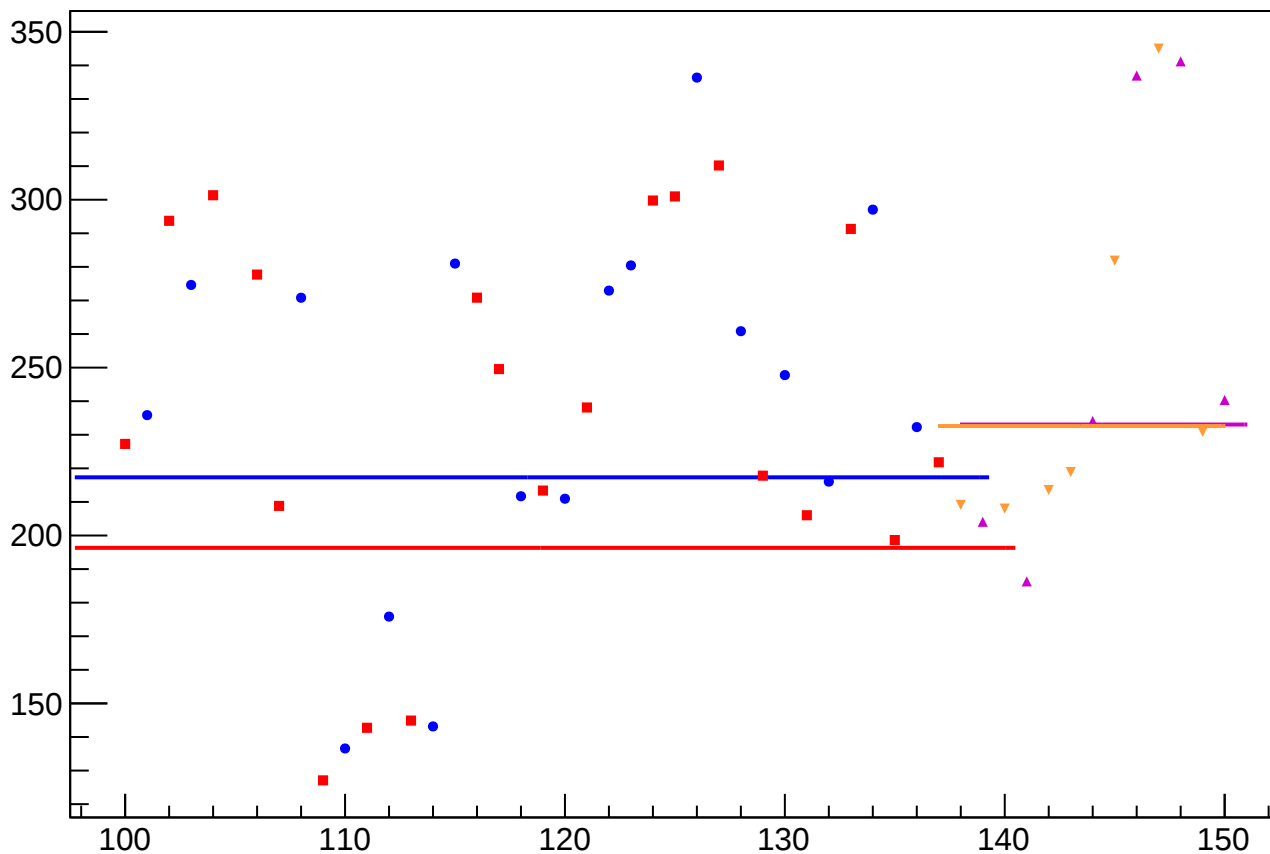
Left In: -1691.583 ± 109.005 $\chi^2/\text{NDF}: 345.4/5$

1215.188 ± 67.661 $\chi^2/\text{NDF}: 1313.6/23$

-131.499 ± 46.319 $\chi^2/\text{NDF}: 3093.6/49$

-1319.212 ± 63.542 $\chi^2/\text{NDF}: 1034.5/25$

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.330 $\pm$ 0.062 χ^2/NDF : 652722.5/16

Left Out: 232.598 $\pm$ 0.076 χ^2/NDF : 261291.2/6

Right Out: 196.332 $\pm$ 0.055 χ^2/NDF : 1194678.0/19

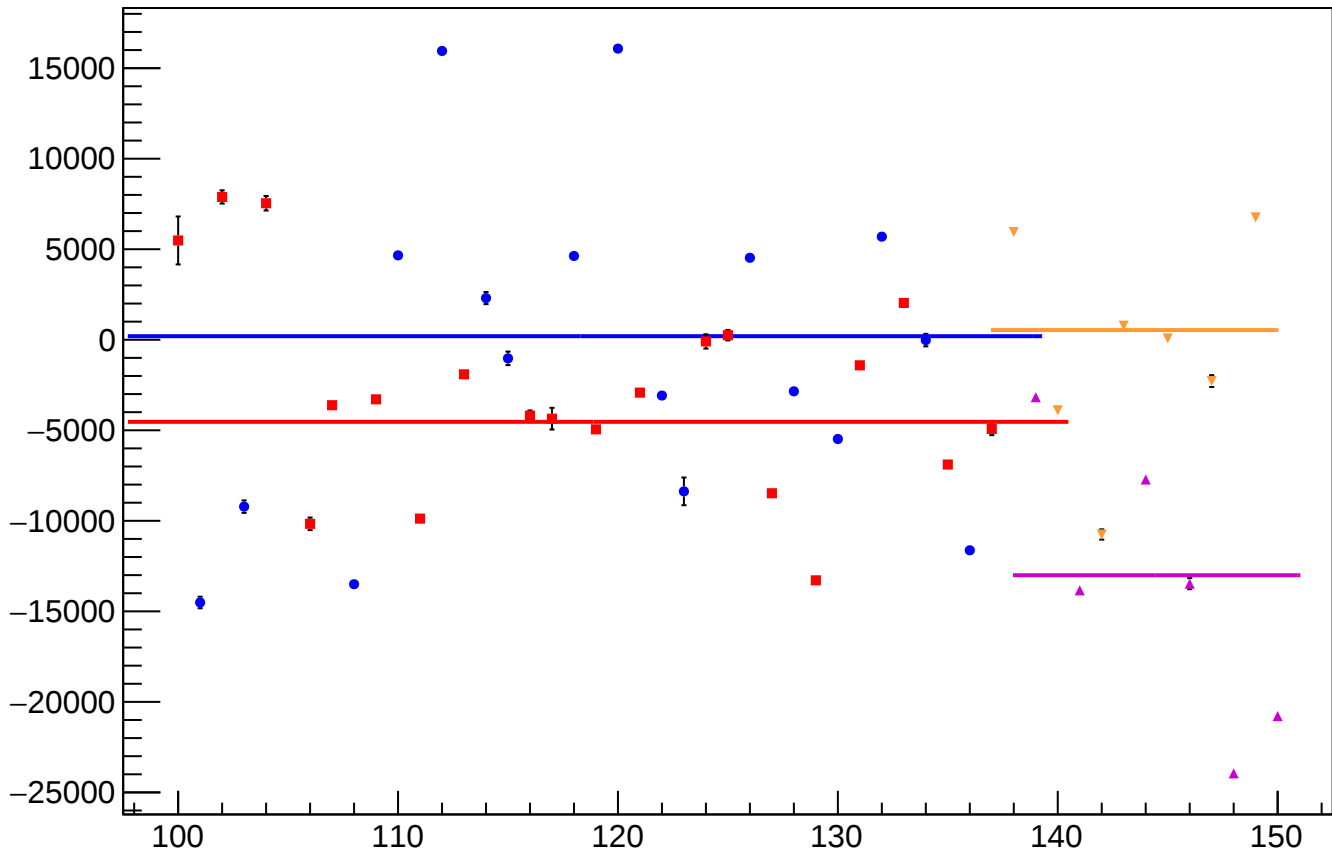
Left In: 233.050 $\pm$ 0.077 χ^2/NDF : 443721.3/5

223.453 $\pm$ 0.048 χ^2/NDF : 938477.1/23

215.672 $\pm$ 0.033 χ^2/NDF : 2776479.5/49

208.809 $\pm$ 0.045 χ^2/NDF : 1788223.3/25

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 197.008 $\pm$ 54.799 χ^2/NDF : 30658.3/16

Left Out: 534.777 $\pm$ 91.505 χ^2/NDF : 3593.6/6

Right Out: -4532.856 $\pm$ 52.261 χ^2/NDF : 7477.3/19

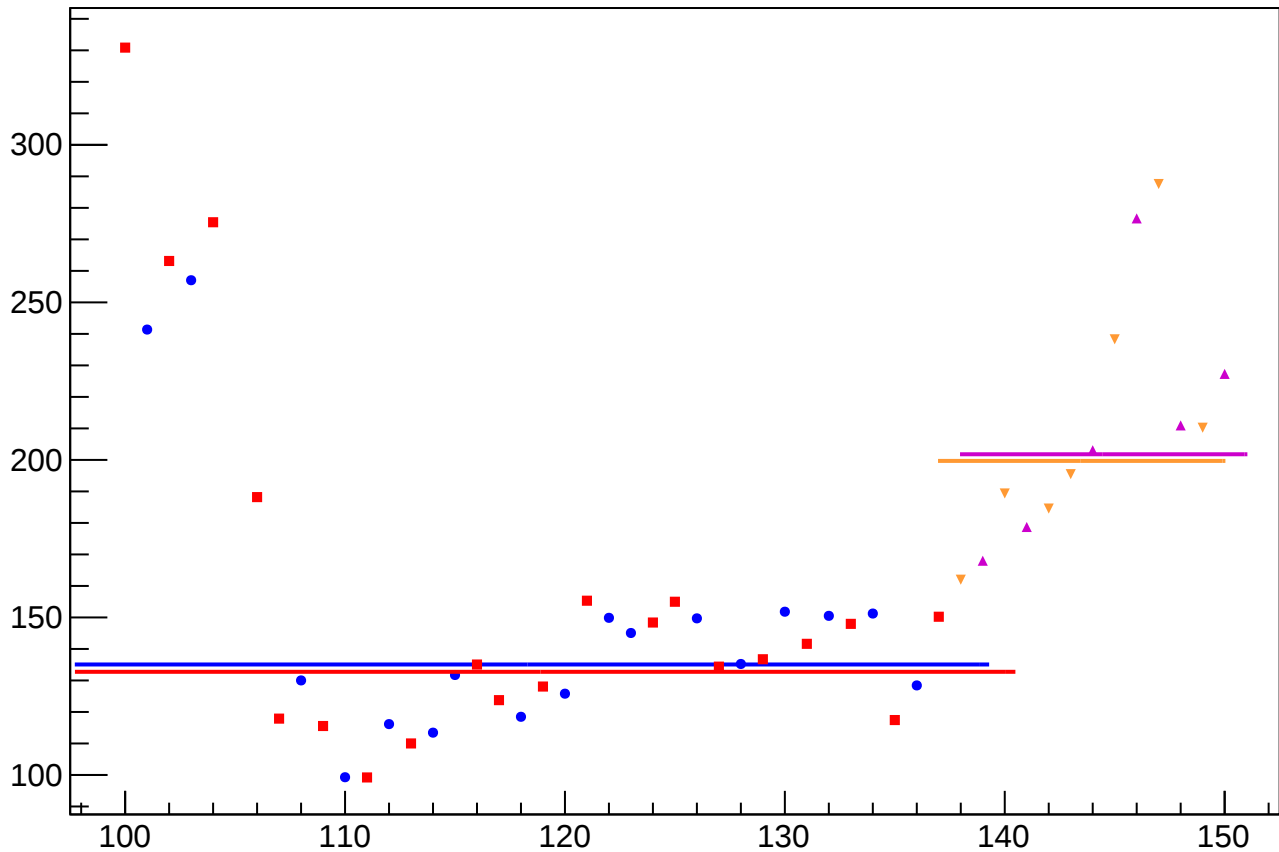
Left In: -13006.402 $\pm$ 93.559 χ^2/NDF : 5882.9/5

286.167 $\pm$ 47.013 χ^2/NDF : 34261.9/23

-3233.256 $\pm$ 32.742 χ^2/NDF : 64756.3/49

-6548.003 $\pm$ 45.626 χ^2/NDF : 19612.2/25

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 135.072 +/- 0.039 χ^2/NDF : 658703.5/16

Left Out: 199.686 +/- 0.065 χ^2/NDF : 278513.3/6

Right Out: 132.747 +/- 0.037 χ^2/NDF : 831647.2/19

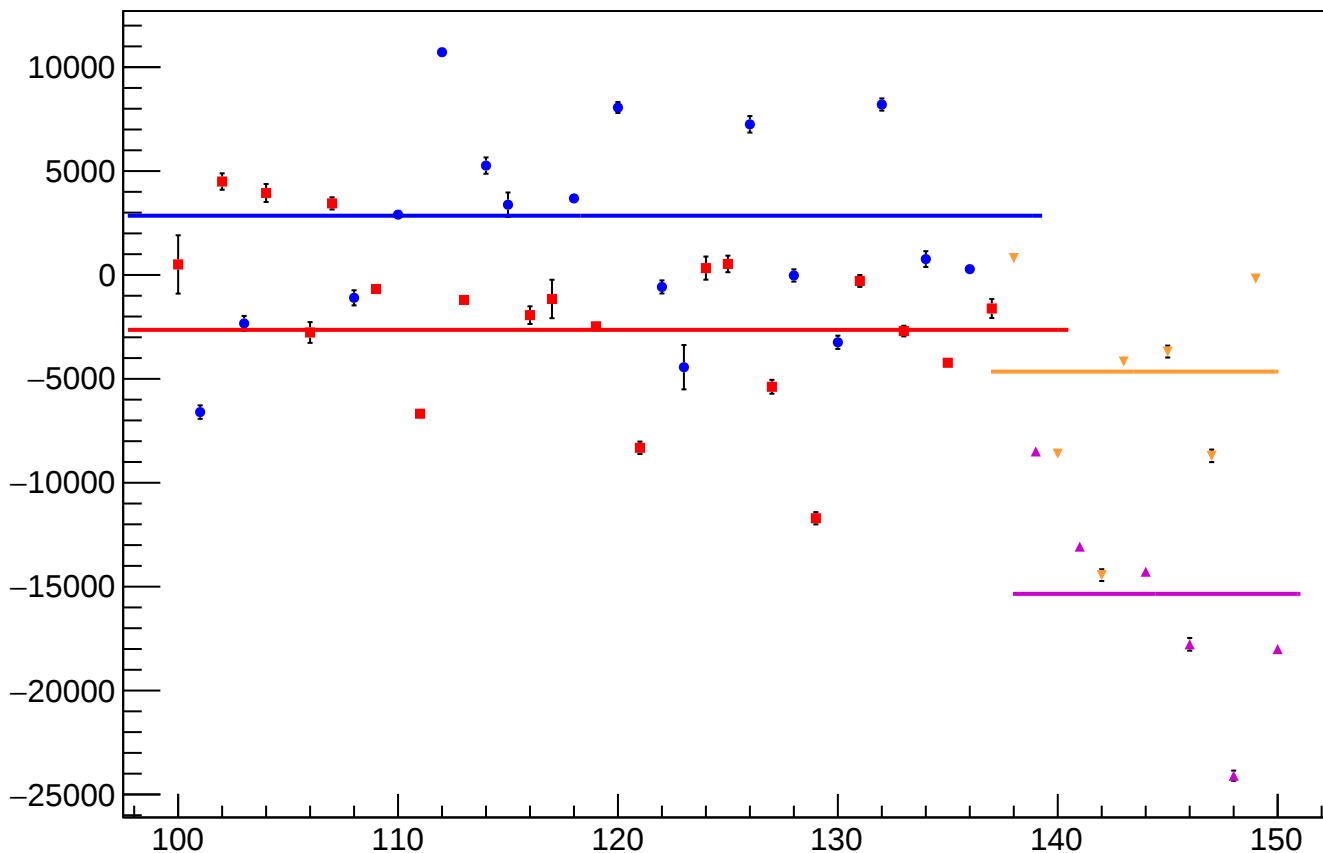
Left In: 201.795 +/- 0.066 χ^2/NDF : 224851.8/5

152.128 +/- 0.033 χ^2/NDF : 1671221.3/23

150.603 +/- 0.023 χ^2/NDF : 3562063.1/49

149.168 +/- 0.032 χ^2/NDF : 1886758.9/25

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2851.437 ± 70.753 $\chi^2/\text{NDF}: 4178.1/16$

Left Out: -4649.754 ± 91.699 $\chi^2/\text{NDF}: 2844.6/6$

Right Out: -2641.642 ± 65.566 $\chi^2/\text{NDF}: 3178.3/19$

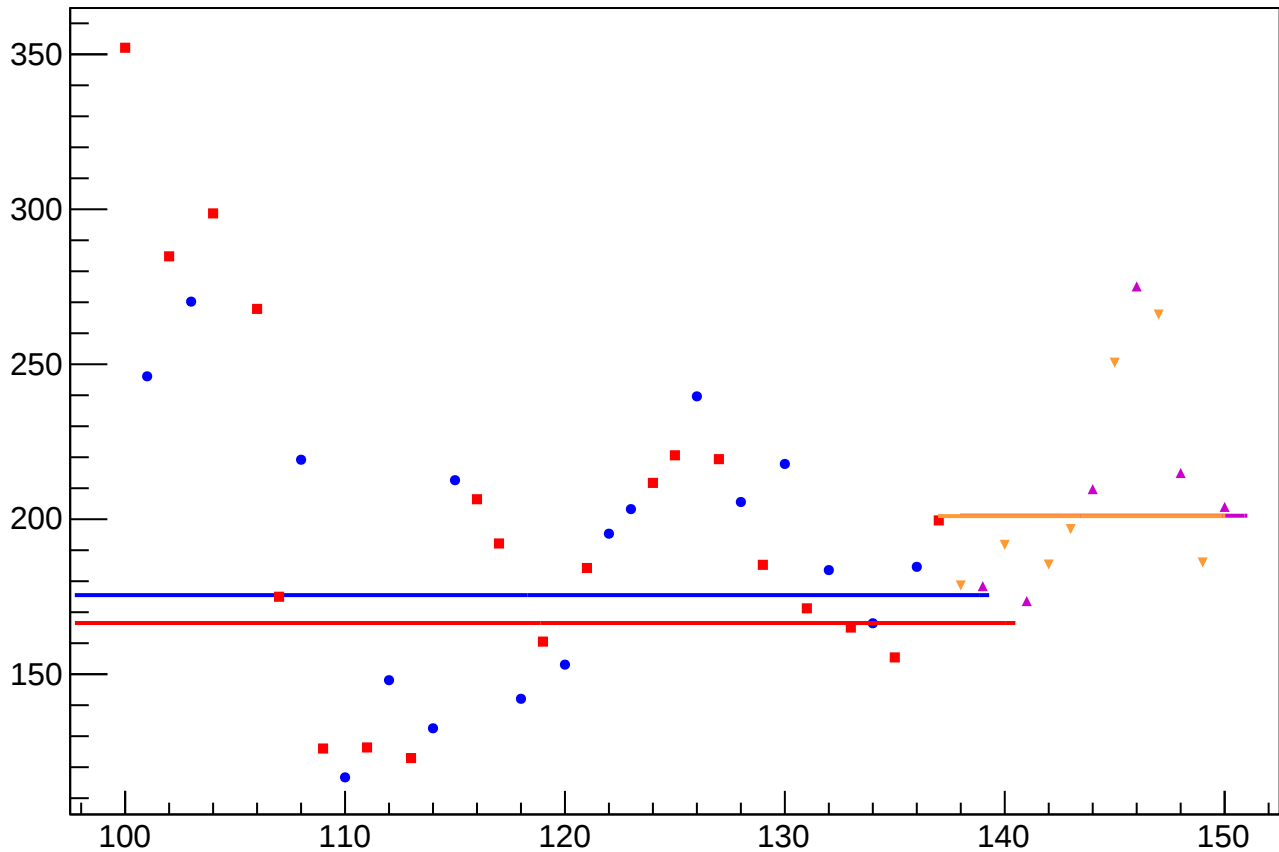
Left In: -15346.210 ± 92.839 $\chi^2/\text{NDF}: 2640.5/5$

52.174 ± 56.017 $\chi^2/\text{NDF}: 11217.3/23$

-3564.008 ± 38.711 $\chi^2/\text{NDF}: 37507.4/49$

-6869.464 ± 53.556 $\chi^2/\text{NDF}: 18313.5/25$

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 175.514 +/- 0.050 χ^2/NDF : 689642.3/16

Left Out: 201.008 +/- 0.065 χ^2/NDF : 195118.2/6

Right Out: 166.522 +/- 0.046 χ^2/NDF : 931079.9/19

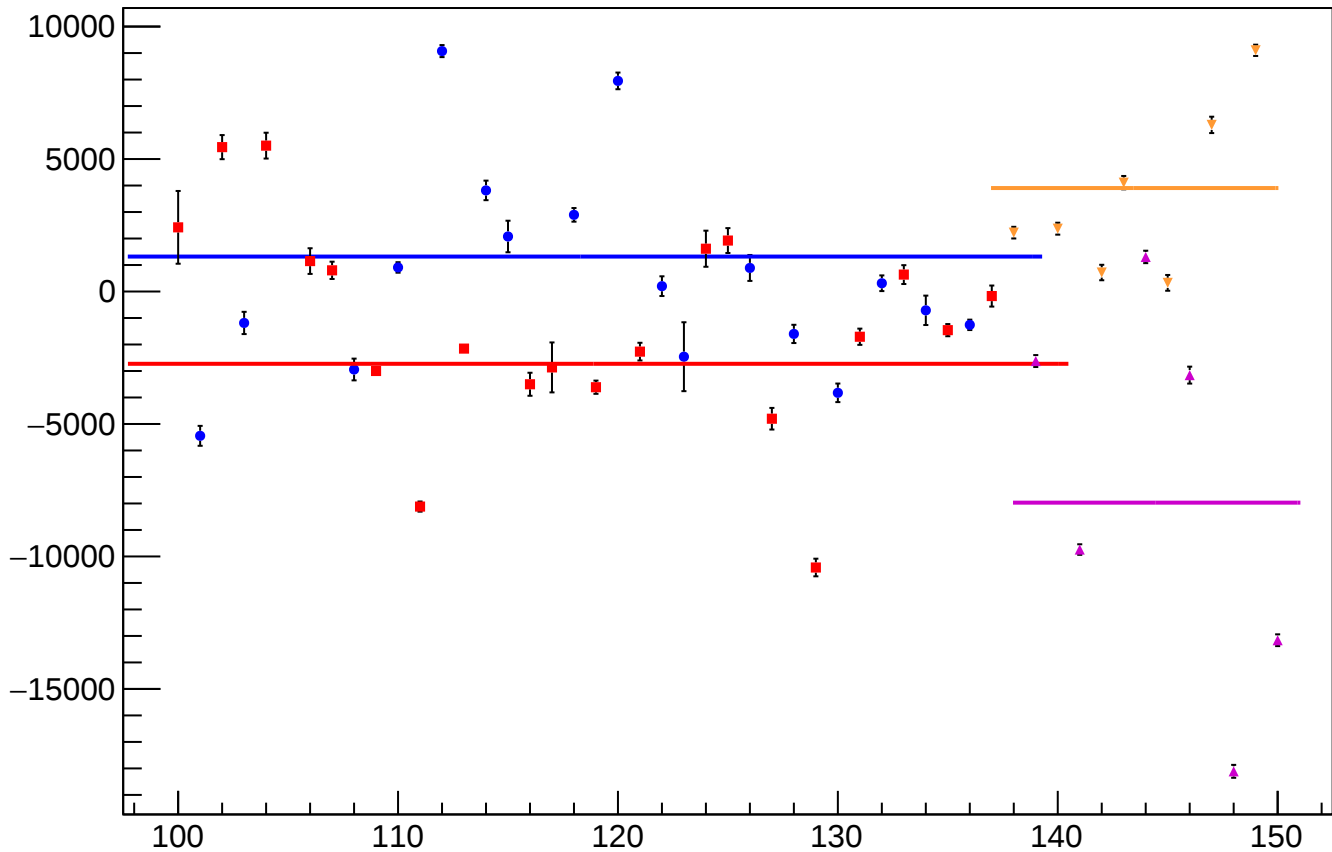
Left In: 201.135 +/- 0.066 χ^2/NDF : 189500.5/5

185.028 +/- 0.040 χ^2/NDF : 981661.9/23

181.378 +/- 0.027 χ^2/NDF : 2303984.4/49

178.041 +/- 0.038 χ^2/NDF : 1306065.1/25

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 3905.031+/-94.709 χ^2/NDF : 1023.6/6

Right Out: -2728.550+/-69.837 χ^2/NDF : 2495.9/19

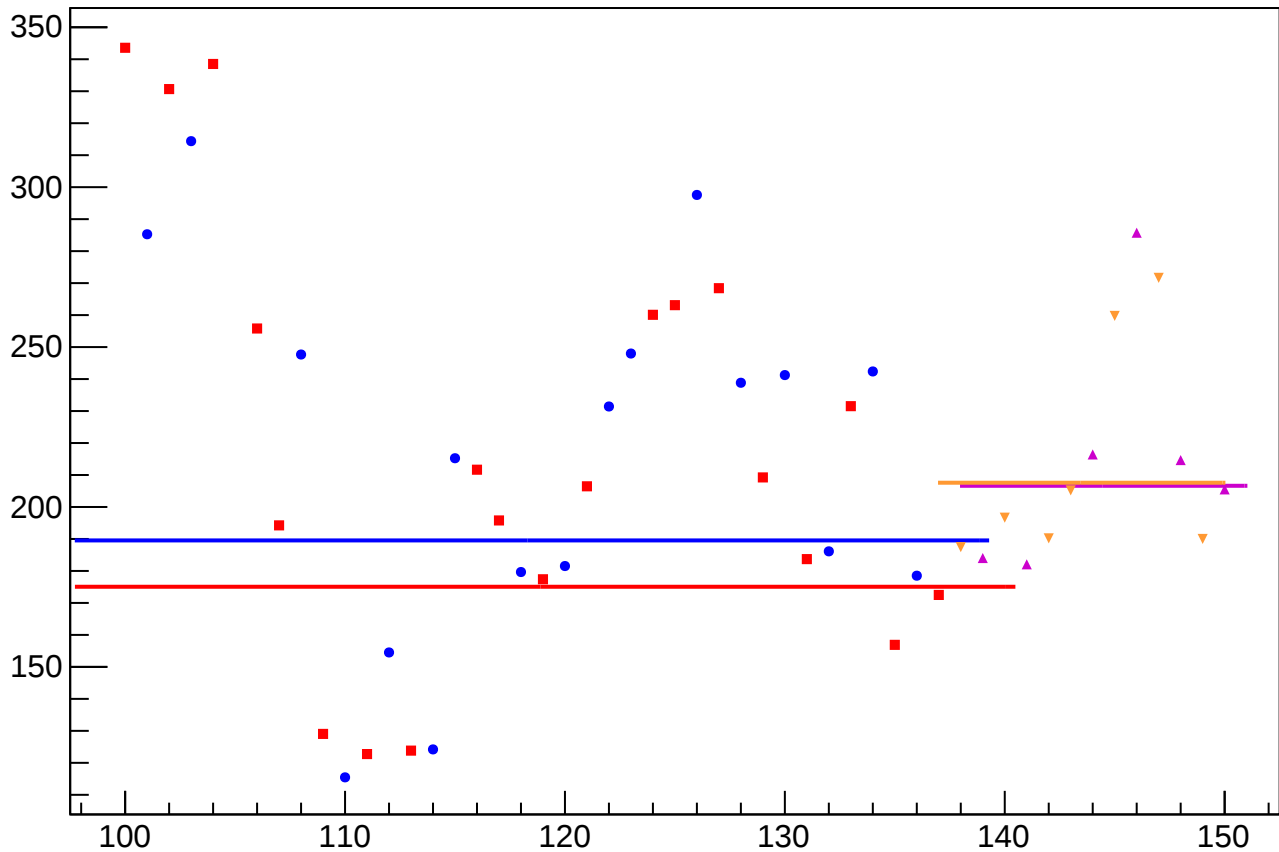
Left In: -7969.050+/-95.367 χ^2/NDF : 4702.9/5

2350.463+/-59.814 χ^2/NDF : 4138.8/23

-1309.810+/-41.013 χ^2/NDF : 20371.0/49

-4557.830+/-56.345 χ^2/NDF : 9164.4/25

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 207.587 $\pm$ 0.067 χ^2 /NDF: 189657.2/6

Right Out: 175.058 $\pm$ 0.049 χ^2 /NDF: 1298079.7/19

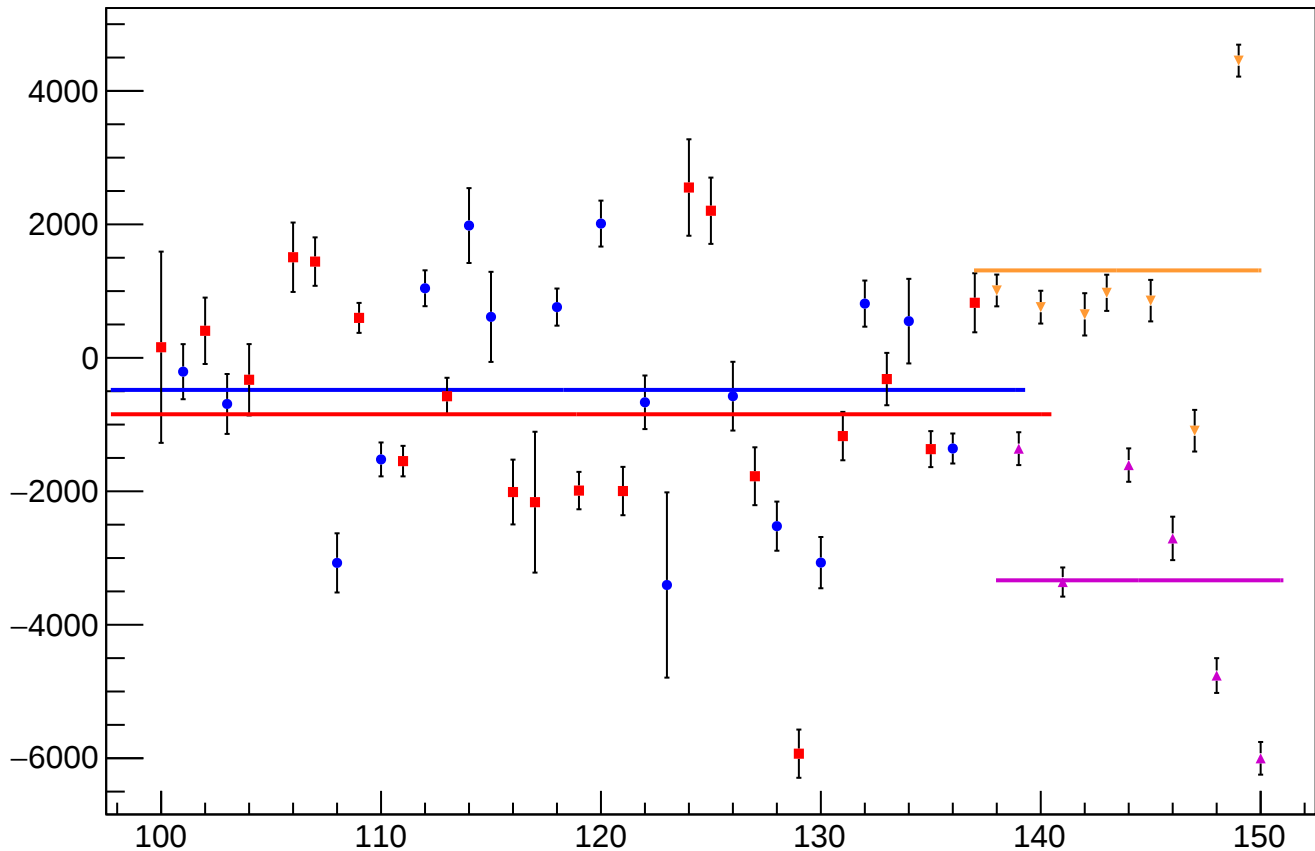
Left In: 206.629 $\pm$ 0.067 χ^2 /NDF: 178878.3/5

196.741 $\pm$ 0.042 χ^2 /NDF: 1214035.9/23

191.092 $\pm$ 0.029 χ^2 /NDF: 2867341.7/49

186.078 $\pm$ 0.040 χ^2 /NDF: 1619632.4/25

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -480.578 ± 88.640 $\chi^2/\text{NDF}: 290.7/16$

Left Out: 1310.206 ± 102.150 $\chi^2/\text{NDF}: 246.4/6$

Right Out: -845.444 ± 81.995 $\chi^2/\text{NDF}: 436.9/19$

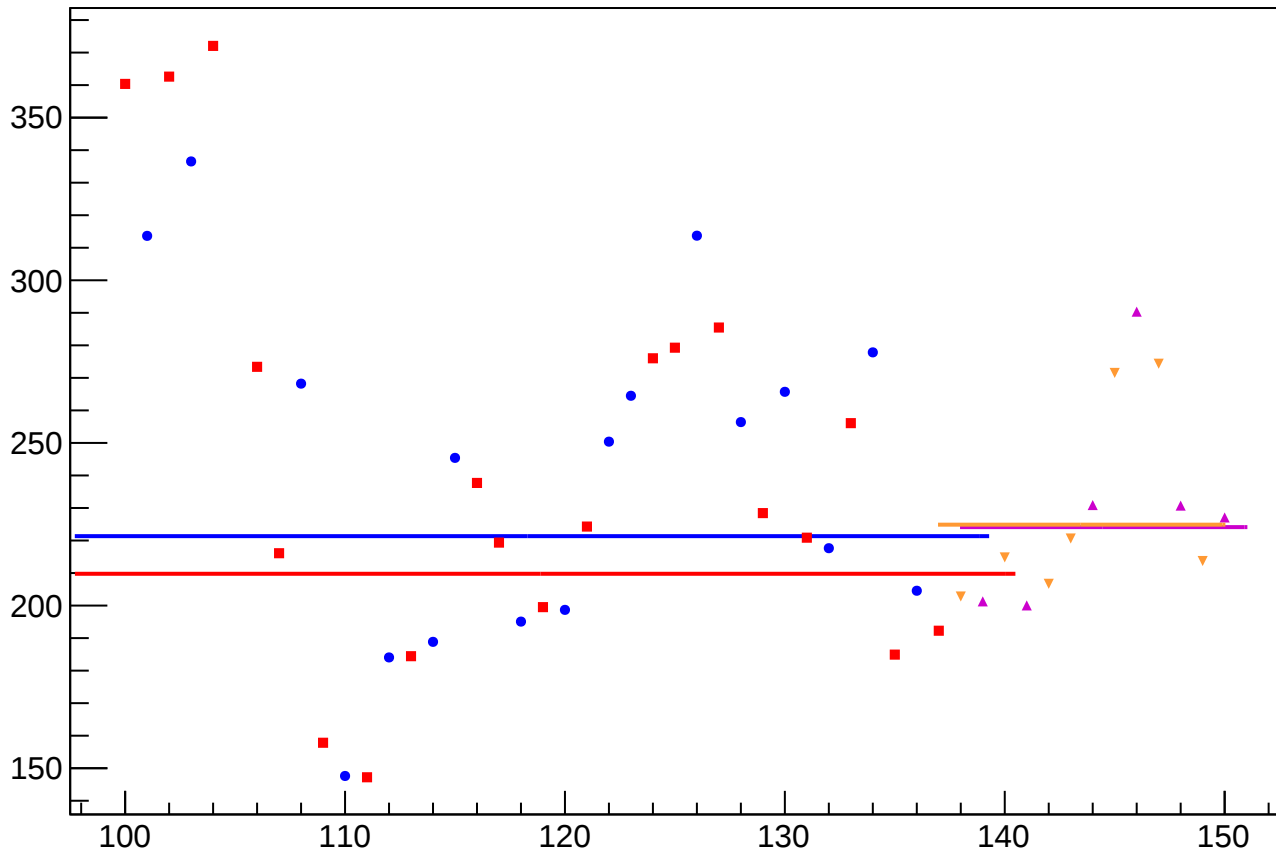
Left In: -3333.815 ± 103.011 $\chi^2/\text{NDF}: 264.1/5$

288.644 ± 66.949 $\chi^2/\text{NDF}: 712.4/23$

-805.706 ± 46.320 $\chi^2/\text{NDF}: 2283.1/49$

-1810.556 ± 64.153 $\chi^2/\text{NDF}: 1058.2/25$

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.342 +/- 0.063 χ^2/NDF : 645688.1/16

Left Out: 224.873 +/- 0.072 χ^2/NDF : 127286.3/6

Right Out: 209.775 +/- 0.058 χ^2/NDF : 884083.7/19

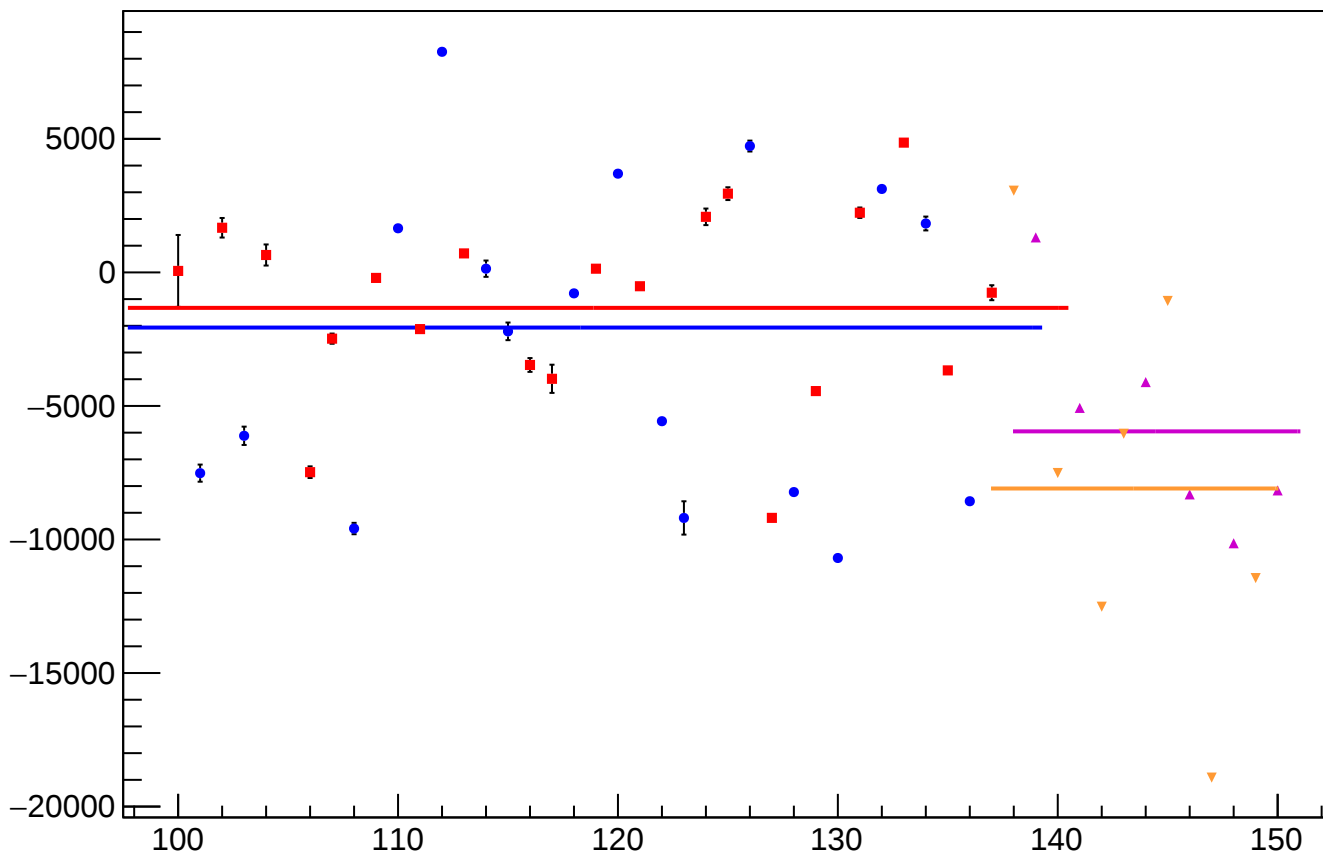
Left In: 224.119 +/- 0.073 χ^2/NDF : 127352.1/5

222.859 +/- 0.047 χ^2/NDF : 774337.3/23

218.938 +/- 0.033 χ^2/NDF : 1822669.0/49

215.338 +/- 0.045 χ^2/NDF : 1035174.8/25

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.160 $\pm$ 47.322 χ^2/NDF : 16533.3/16

Left Out: -8091.079 $\pm$ 48.909 χ^2/NDF : 19866.3/6

Right Out: -1327.819 $\pm$ 44.838 χ^2/NDF : 5919.9/19

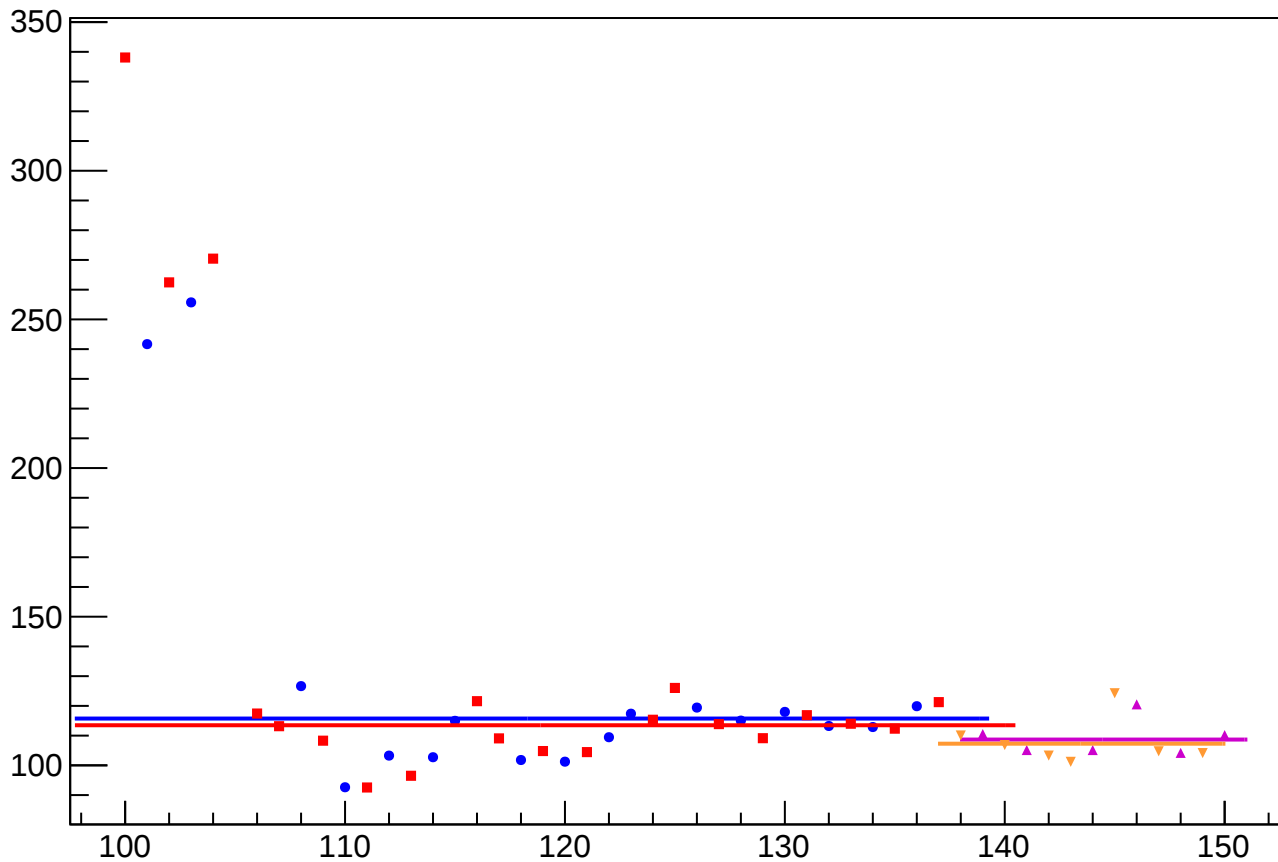
Left In: -5952.278 $\pm$ 49.901 χ^2/NDF : 5060.7/5

-4978.771 $\pm$ 34.009 χ^2/NDF : 44239.7/23

-4170.739 $\pm$ 23.812 χ^2/NDF : 61079.4/49

-3393.609 $\pm$ 33.352 χ^2/NDF : 15732.3/25

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 ± 0.033 χ^2/NDF : 744017.7/16

Left Out: 107.282 ± 0.035 χ^2/NDF : 37087.9/6

Right Out: 113.487 ± 0.032 χ^2/NDF : 796781.7/19

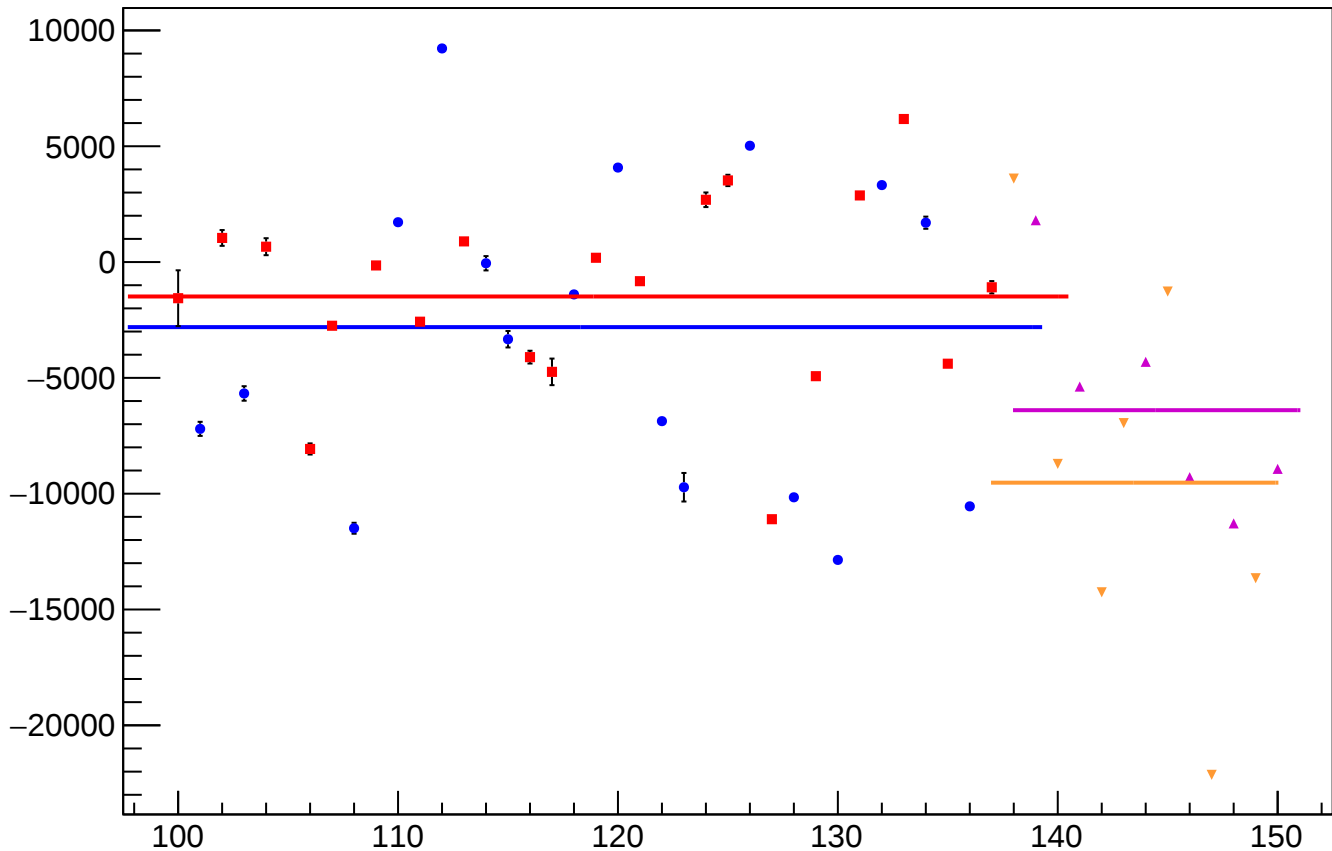
Left In: 108.673 ± 0.035 χ^2/NDF : 22739.8/5

111.651 ± 0.024 χ^2/NDF : 812000.9/23

111.491 ± 0.017 χ^2/NDF : 1641908.6/49

111.336 ± 0.024 χ^2/NDF : 829820.6/25

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2809.101 ± 48.284 $\chi^2/\text{NDF}: 21263.1/16$

Left Out: -9524.401 ± 53.073 $\chi^2/\text{NDF}: 23165.1/6$

Right Out: -1486.369 ± 46.243 $\chi^2/\text{NDF}: 8037.1/19$

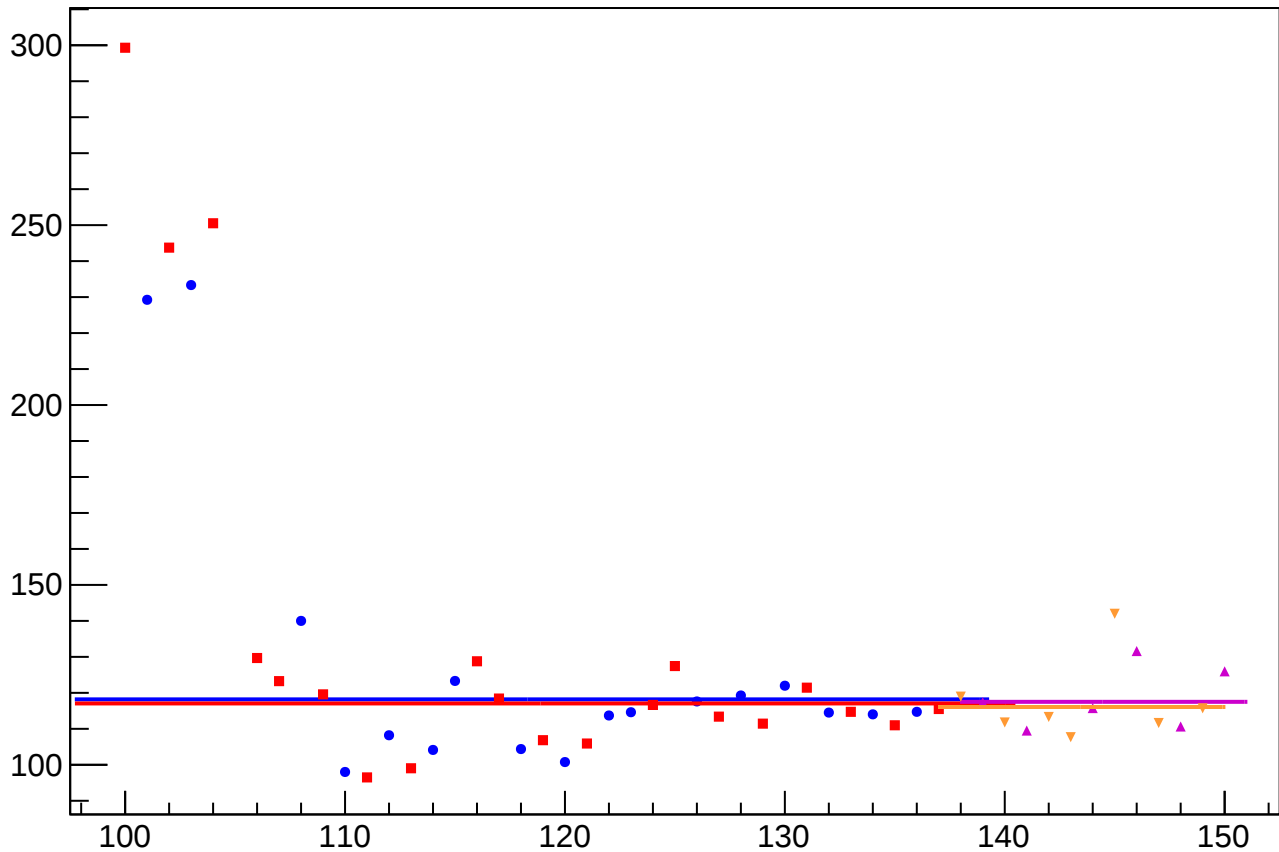
Left In: -6395.093 ± 54.084 $\chi^2/\text{NDF}: 5779.2/5$

-5850.183 ± 35.716 $\chi^2/\text{NDF}: 53187.7/23$

-4686.448 ± 25.051 $\chi^2/\text{NDF}: 73852.5/49$

-3559.455 ± 35.147 $\chi^2/\text{NDF}: 18575.0/25$

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.188 $\pm$ 0.034 χ^2 /NDF: 636252.0/16

Left Out: 116.066 $\pm$ 0.038 χ^2 /NDF: 63496.1/6

Right Out: 117.054 $\pm$ 0.033 χ^2 /NDF: 690646.8/19

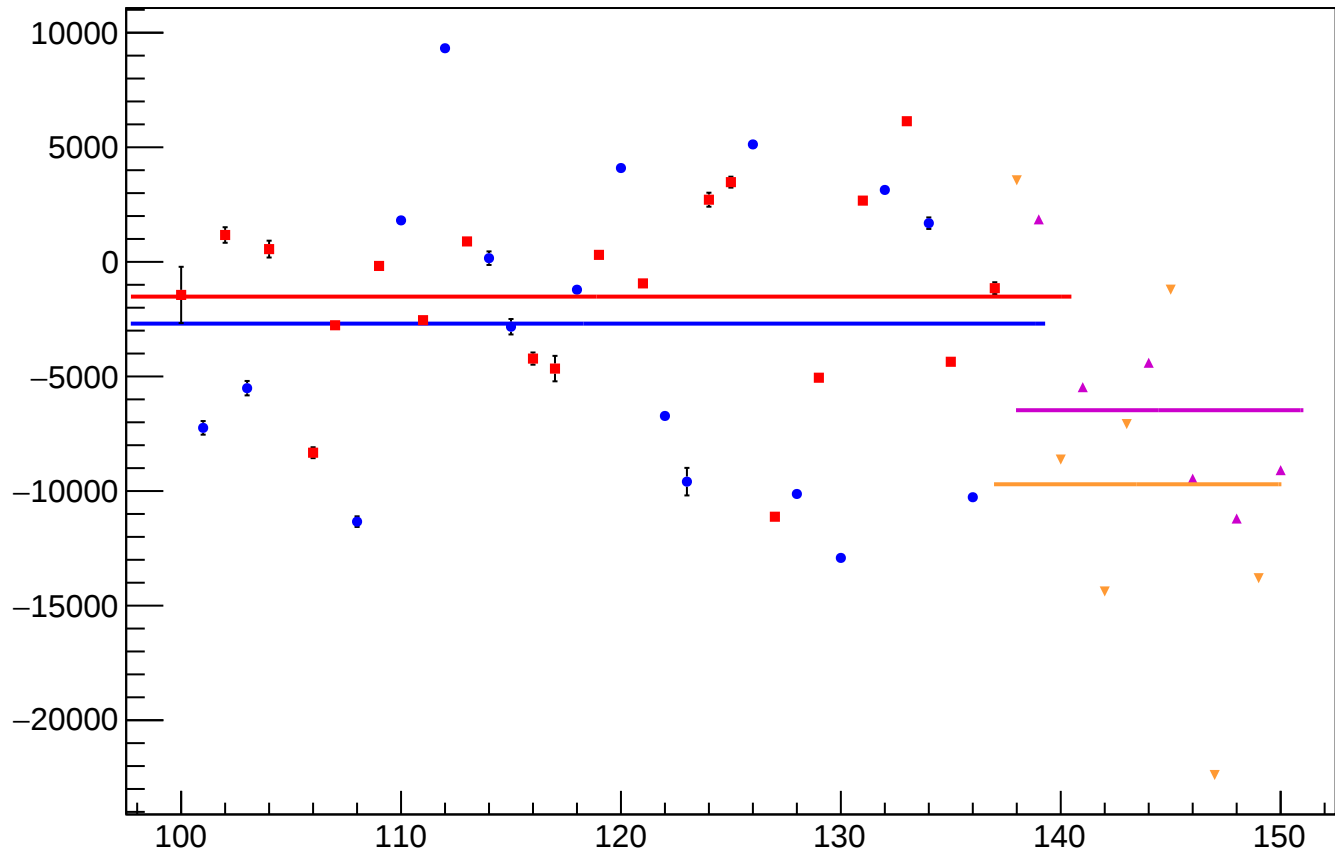
Left In: 117.503 $\pm$ 0.038 χ^2 /NDF: 41210.1/5

117.227 $\pm$ 0.025 χ^2 /NDF: 701498.1/23

117.236 $\pm$ 0.018 χ^2 /NDF: 1433434.7/49

117.244 $\pm$ 0.025 χ^2 /NDF: 731936.4/25

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2694.260 $\pm$ 46.347 χ^2/NDF : 22860.3/16

Left Out: -9704.123 $\pm$ 51.349 χ^2/NDF : 25573.9/6

Right Out: -1515.863 $\pm$ 44.303 χ^2/NDF : 8749.3/19

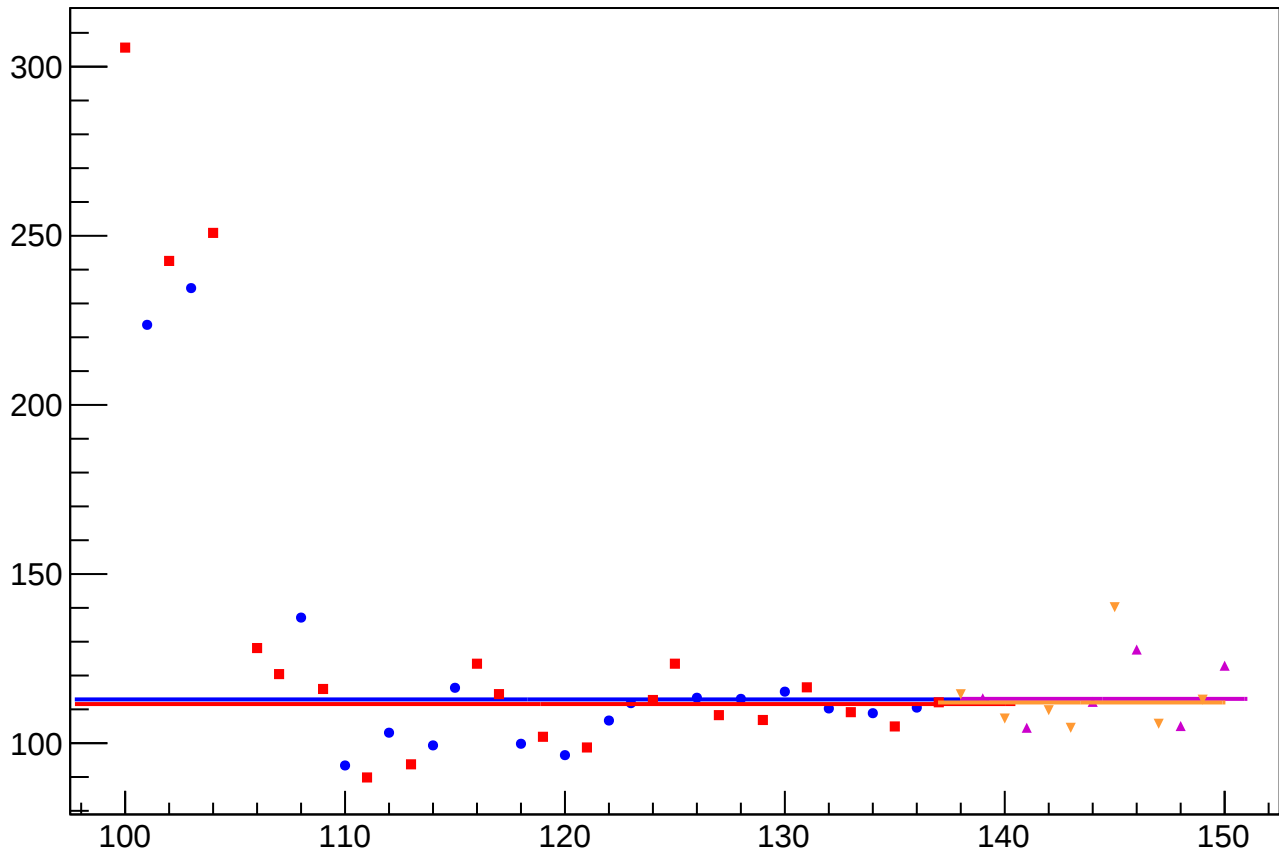
Left In: -6472.843 $\pm$ 52.169 χ^2/NDF : 6271.1/5

-5841.215 $\pm$ 34.405 χ^2/NDF : 58703.8/23

-4696.056 $\pm$ 24.100 χ^2/NDF : 81144.8/49

-3592.850 $\pm$ 33.769 χ^2/NDF : 20265.9/25

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 112.940 +/- 0.033 χ^2/NDF : 680283.1/16

Left Out: 112.033 +/- 0.036 χ^2/NDF : 75861.0/6

Right Out: 111.562 +/- 0.031 χ^2/NDF : 765559.1/19

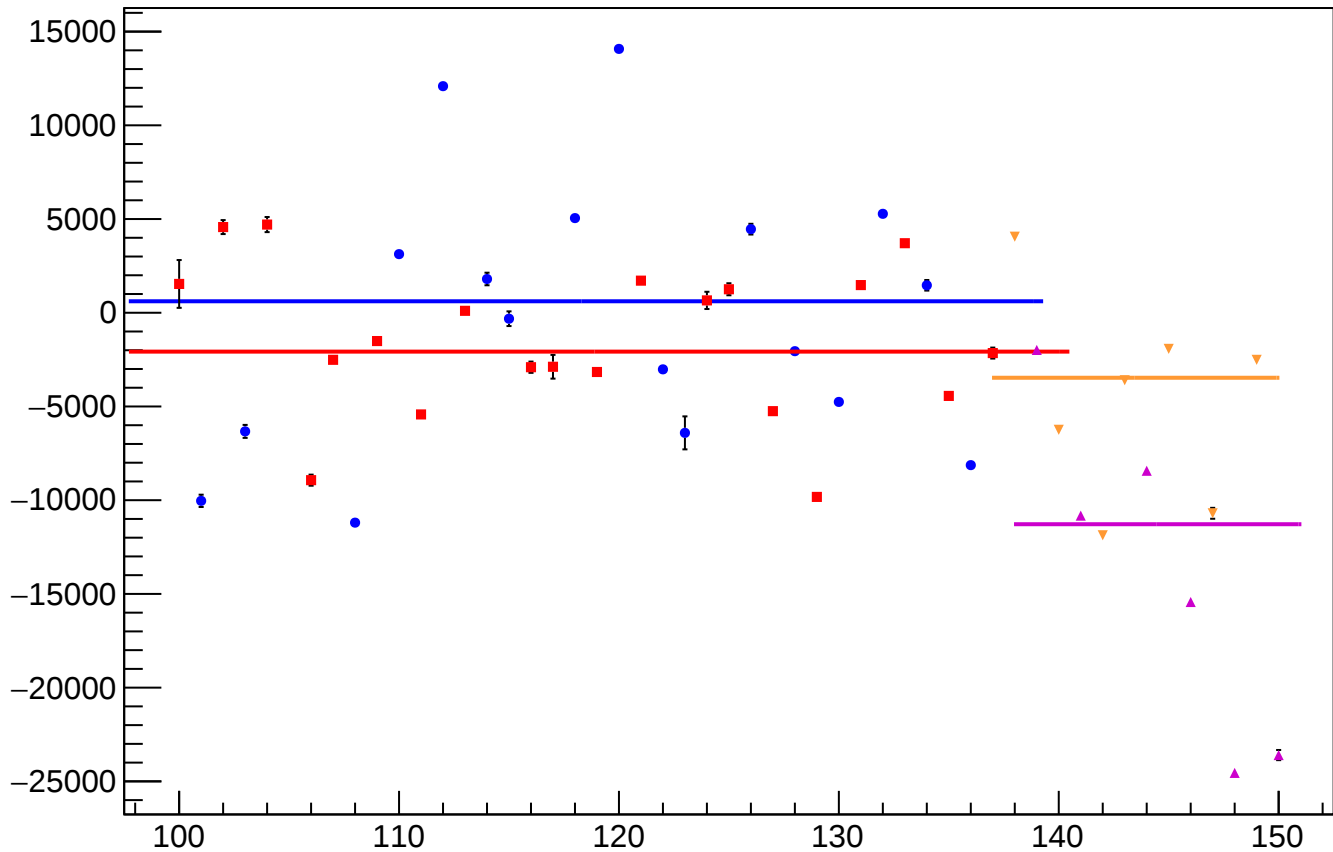
Left In: 113.097 +/- 0.037 χ^2/NDF : 51727.6/5

112.533 +/- 0.024 χ^2/NDF : 756488.0/23

112.366 +/- 0.017 χ^2/NDF : 1574873.1/49

112.206 +/- 0.024 χ^2/NDF : 818292.7/25

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -3467.787 ± 75.264 $\chi^2/\text{NDF}: 4565.9/6$

Right Out: -2073.278 ± 53.736 $\chi^2/\text{NDF}: 4644.3/19$

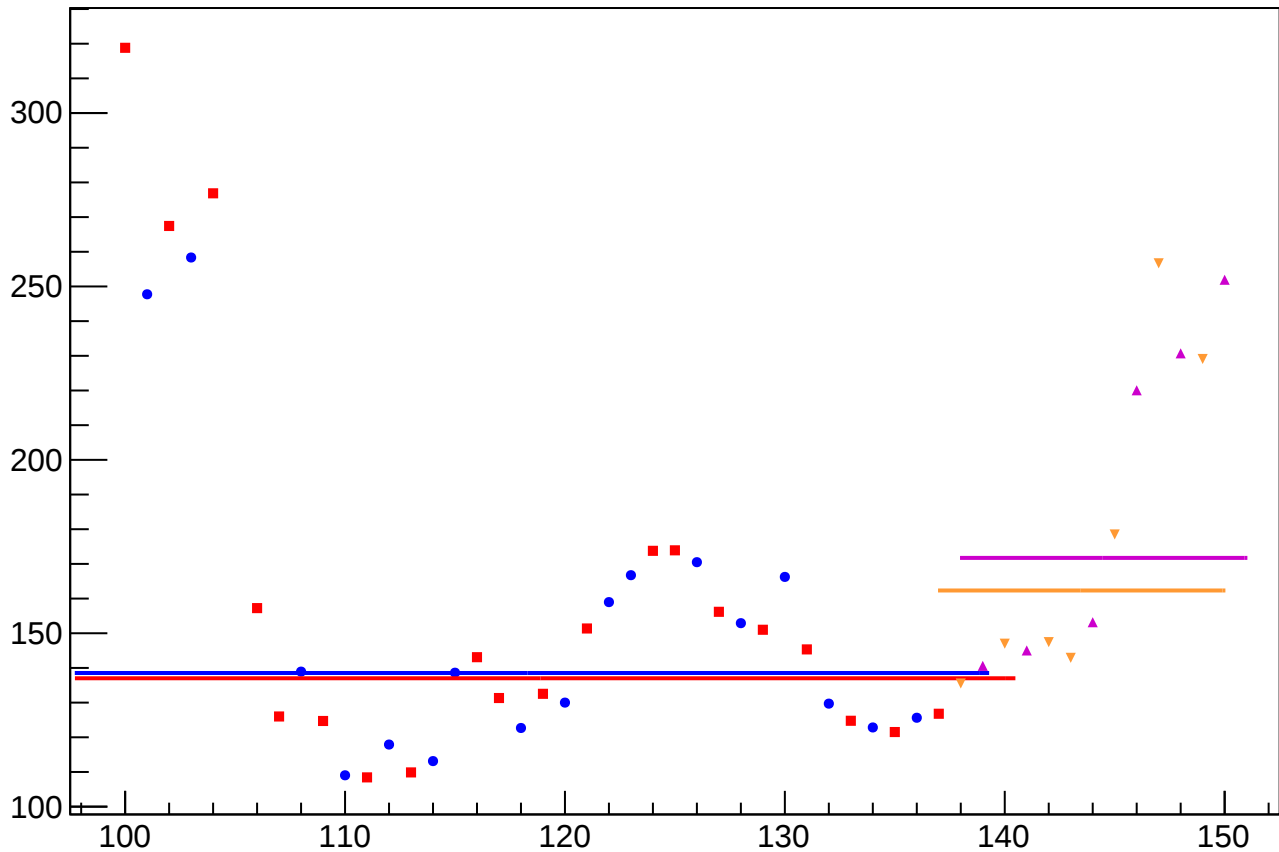
Left In: -11281.541 ± 80.655 $\chi^2/\text{NDF}: 8092.7/5$

-843.430 ± 44.960 $\chi^2/\text{NDF}: 24699.6/23$

-2884.643 ± 31.706 $\chi^2/\text{NDF}: 50564.5/49$

-4904.105 ± 44.720 $\chi^2/\text{NDF}: 21764.4/25$

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 138.542 +/- 0.040 χ^2/NDF : 668941.7/16

Left Out: 162.332 +/- 0.053 χ^2/NDF : 464342.9/6

Right Out: 137.019 +/- 0.038 χ^2/NDF : 755655.0/19

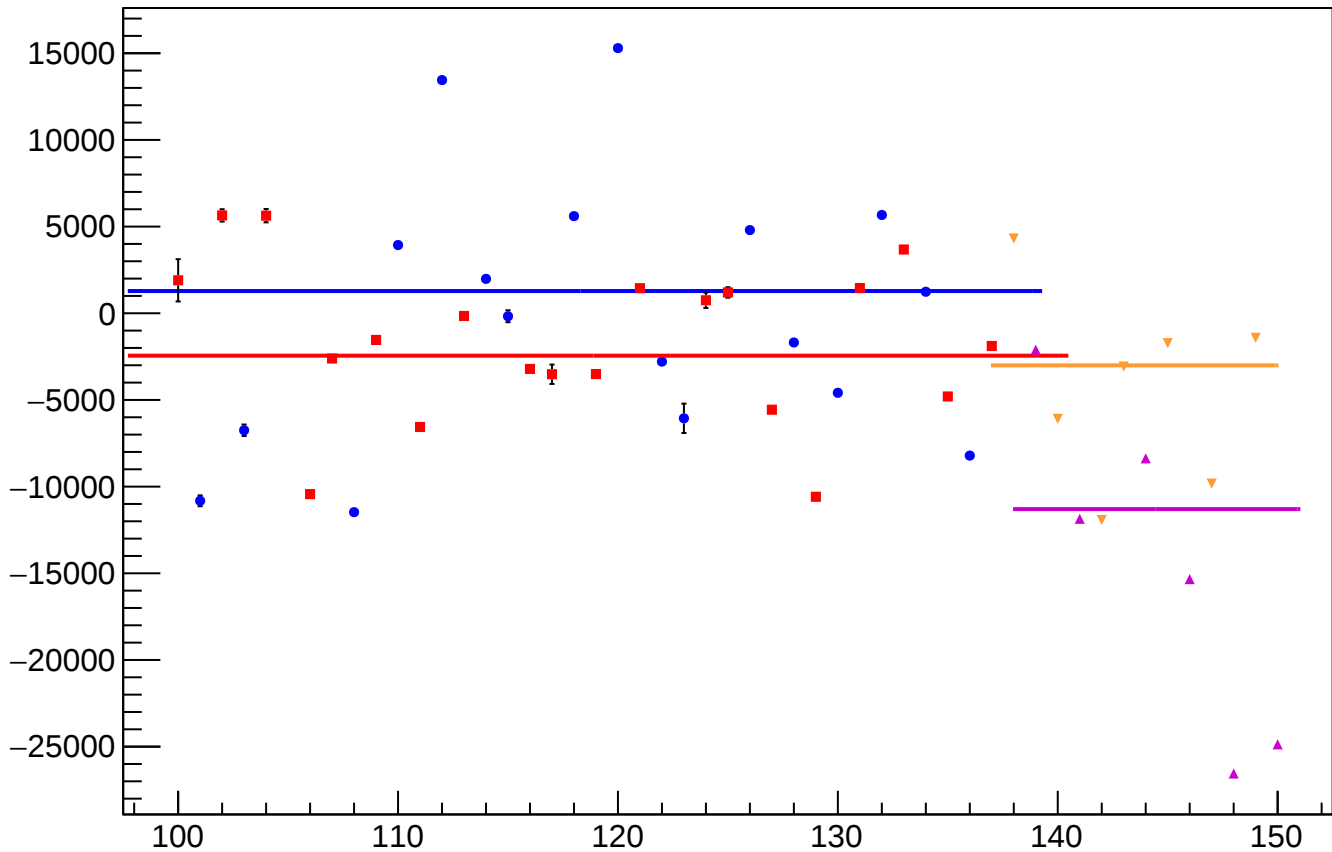
Left In: 171.729 +/- 0.057 χ^2/NDF : 500062.6/5

147.031 +/- 0.032 χ^2/NDF : 1261804.2/23

147.362 +/- 0.022 χ^2/NDF : 2774267.8/49

147.690 +/- 0.032 χ^2/NDF : 1512247.7/25

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -3004.974+/-67.288 χ^2/NDF : 5968.2/6

Right Out: -2446.970+/-44.148 χ^2/NDF : 7681.2/19

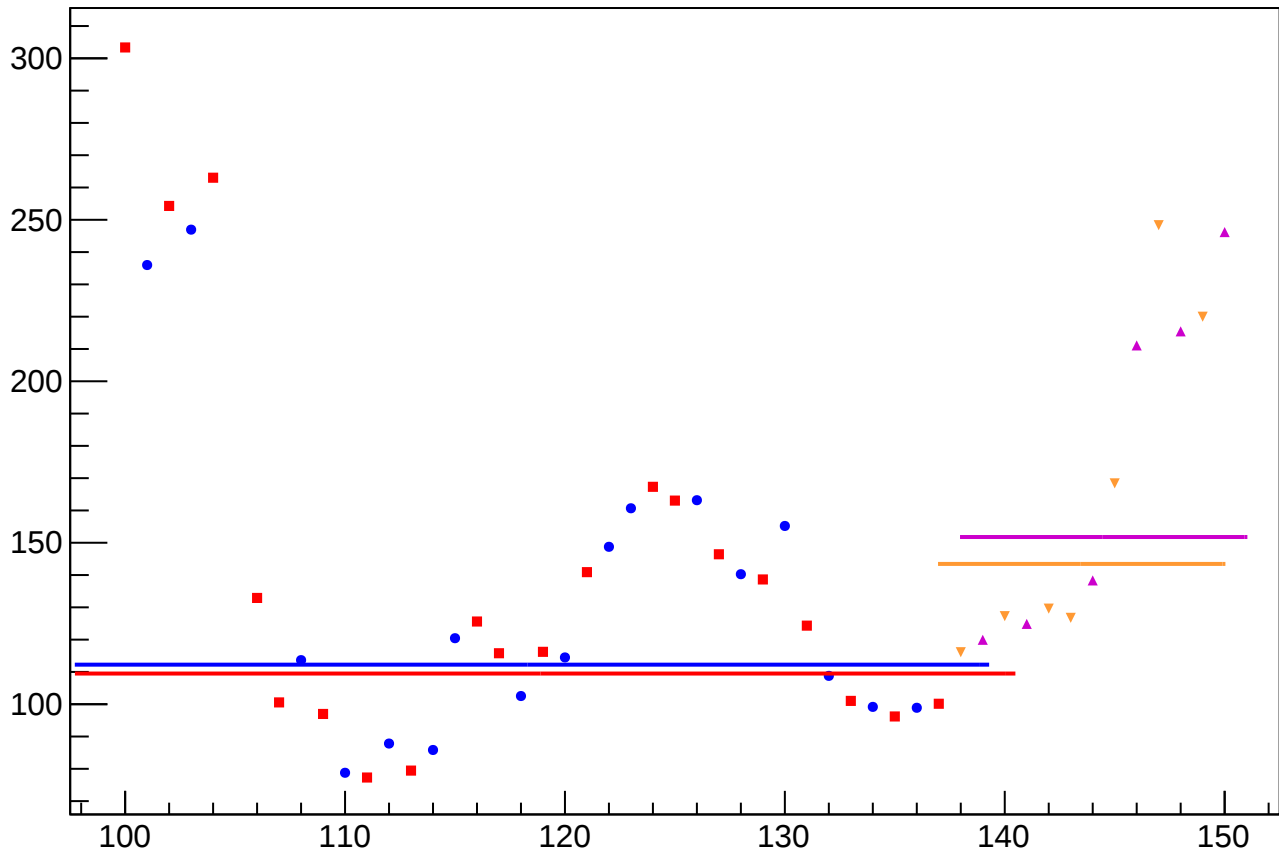
Left In: -11295.878+/-72.313 χ^2/NDF : 10960.0/5

-105.837+/-38.294 χ^2/NDF : 39254.6/23

-2516.072+/-26.859 χ^2/NDF : 76601.1/49

-4849.639+/-37.680 χ^2/NDF : 29549.7/25

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 112.251 ± 0.033 χ^2/NDF : 1125537.4/16

Left Out: 143.444 ± 0.048 χ^2/NDF : 639826.8/6

Right Out: 109.500 ± 0.031 χ^2/NDF : 1269887.8/19

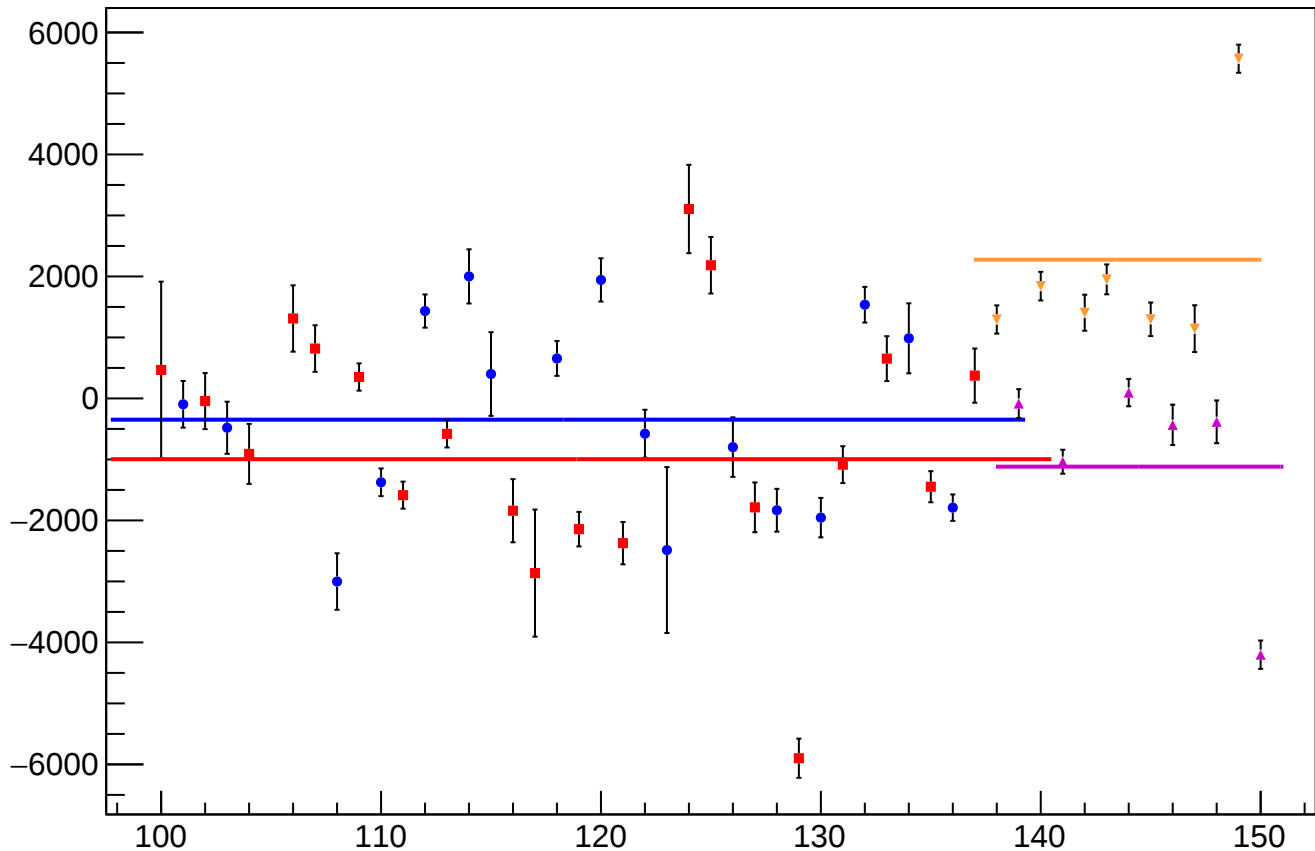
Left In: 151.776 ± 0.051 χ^2/NDF : 699124.5/5

122.354 ± 0.027 χ^2/NDF : 2055968.9/23

121.655 ± 0.019 χ^2/NDF : 4524271.1/49

120.979 ± 0.027 χ^2/NDF : 2466991.4/25

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -348.055 $\pm$ 83.826 χ^2/NDF : 317.3/16

Left Out: 2274.188 $\pm$ 98.129 χ^2/NDF : 257.7/6

Right Out: -995.622 $\pm$ 77.468 χ^2/NDF : 479.8/19

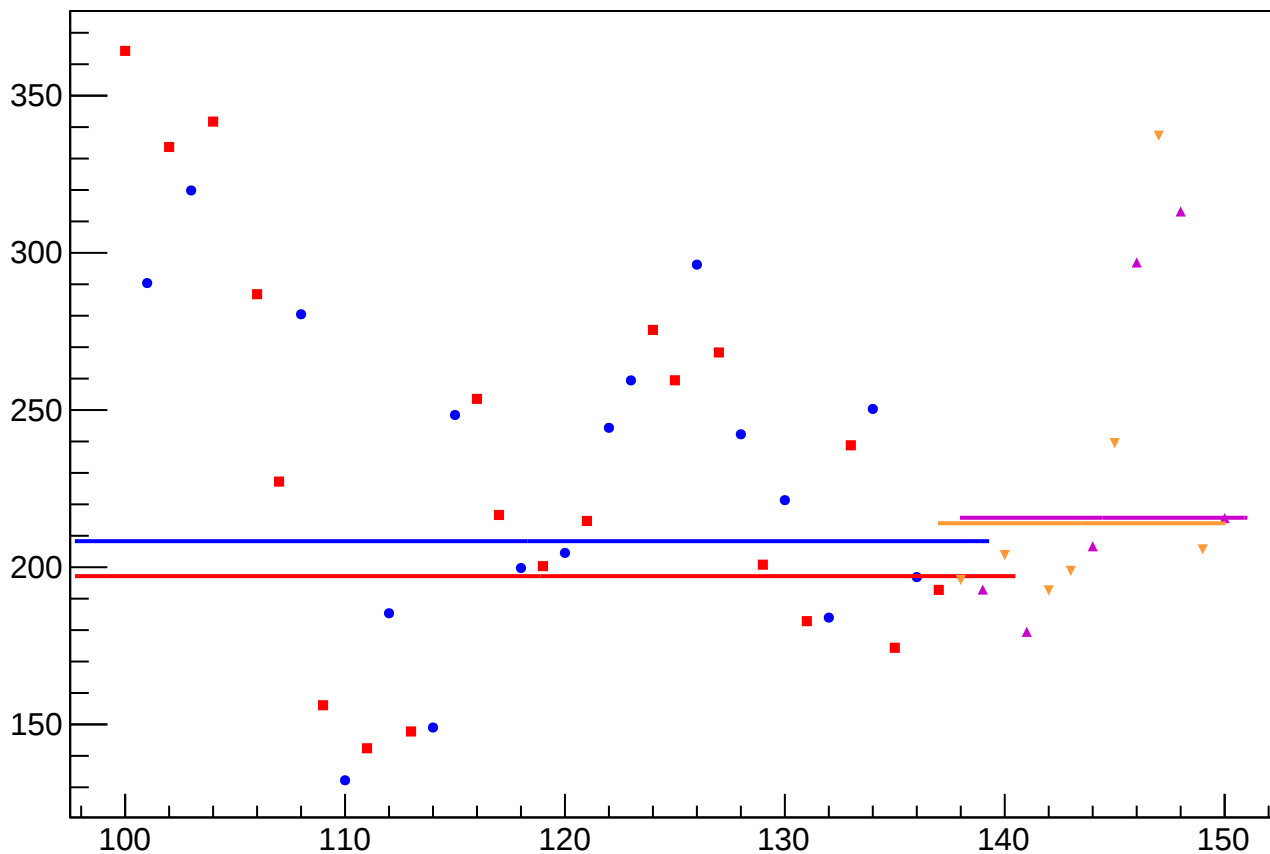
Left In: -1118.572 $\pm$ 100.263 χ^2/NDF : 232.9/5

758.208 $\pm$ 63.737 χ^2/NDF : 987.9/23

-176.726 $\pm$ 44.183 χ^2/NDF : 2115.7/49

-1041.583 $\pm$ 61.302 χ^2/NDF : 713.6/25

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.288 +/- 0.059 χ^2/NDF : 698491.0/16

Left Out: 213.987 +/- 0.069 χ^2/NDF : 260134.9/6

Right Out: 197.159 +/- 0.055 χ^2/NDF : 927487.8/19

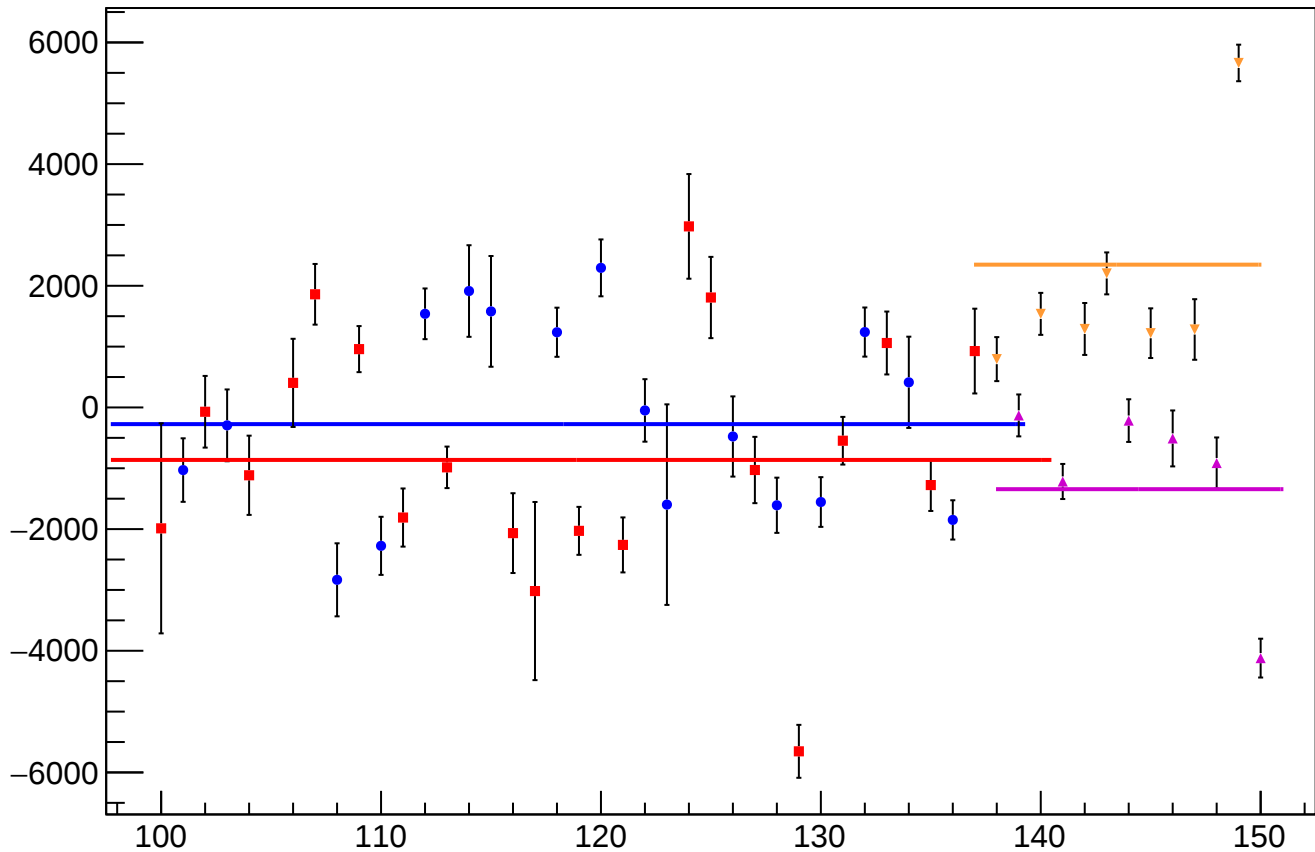
Left In: 215.740 +/- 0.071 χ^2/NDF : 365250.6/5

210.692 +/- 0.045 χ^2/NDF : 962525.8/23

207.270 +/- 0.031 χ^2/NDF : 2309370.4/49

204.105 +/- 0.043 χ^2/NDF : 1335749.3/25

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -274.260 ± 121.326 $\chi^2/\text{NDF}: 171.6/16$

Left Out: 2347.309 ± 139.970 $\chi^2/\text{NDF}: 164.2/6$

Right Out: -862.791 ± 114.993 $\chi^2/\text{NDF}: 265.4/19$

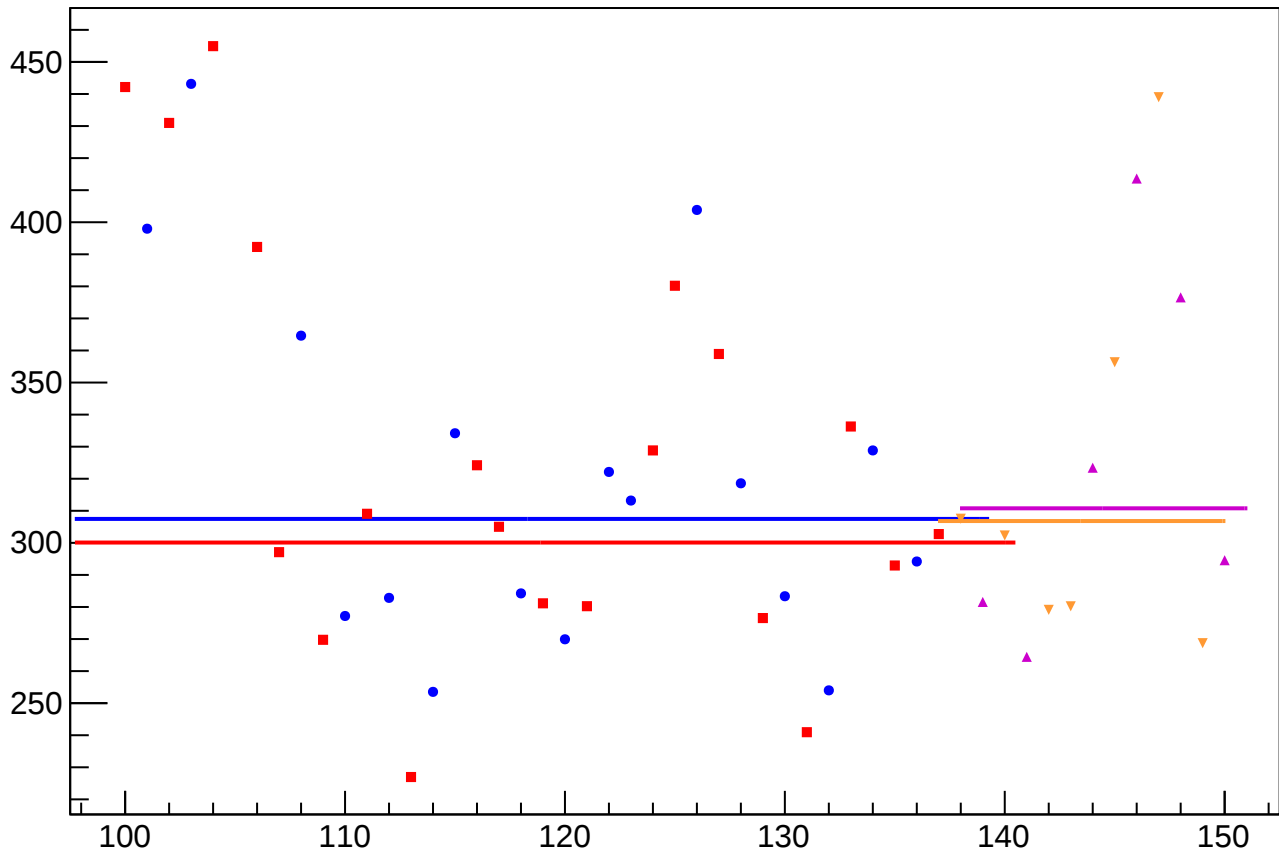
Left In: -1343.591 ± 143.157 $\chi^2/\text{NDF}: 103.0/5$

850.420 ± 91.678 $\chi^2/\text{NDF}: 536.1/23$

-121.722 ± 64.098 $\chi^2/\text{NDF}: 1131.3/49$

-1051.351 ± 89.651 $\chi^2/\text{NDF}: 375.3/25$

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 307.468 $\pm$ 0.086 χ^2 /NDF: 323096.7/16

Left Out: 306.805 $\pm$ 0.099 χ^2 /NDF: 223159.3/6

Right Out: 300.100 $\pm$ 0.081 χ^2 /NDF: 490421.6/19

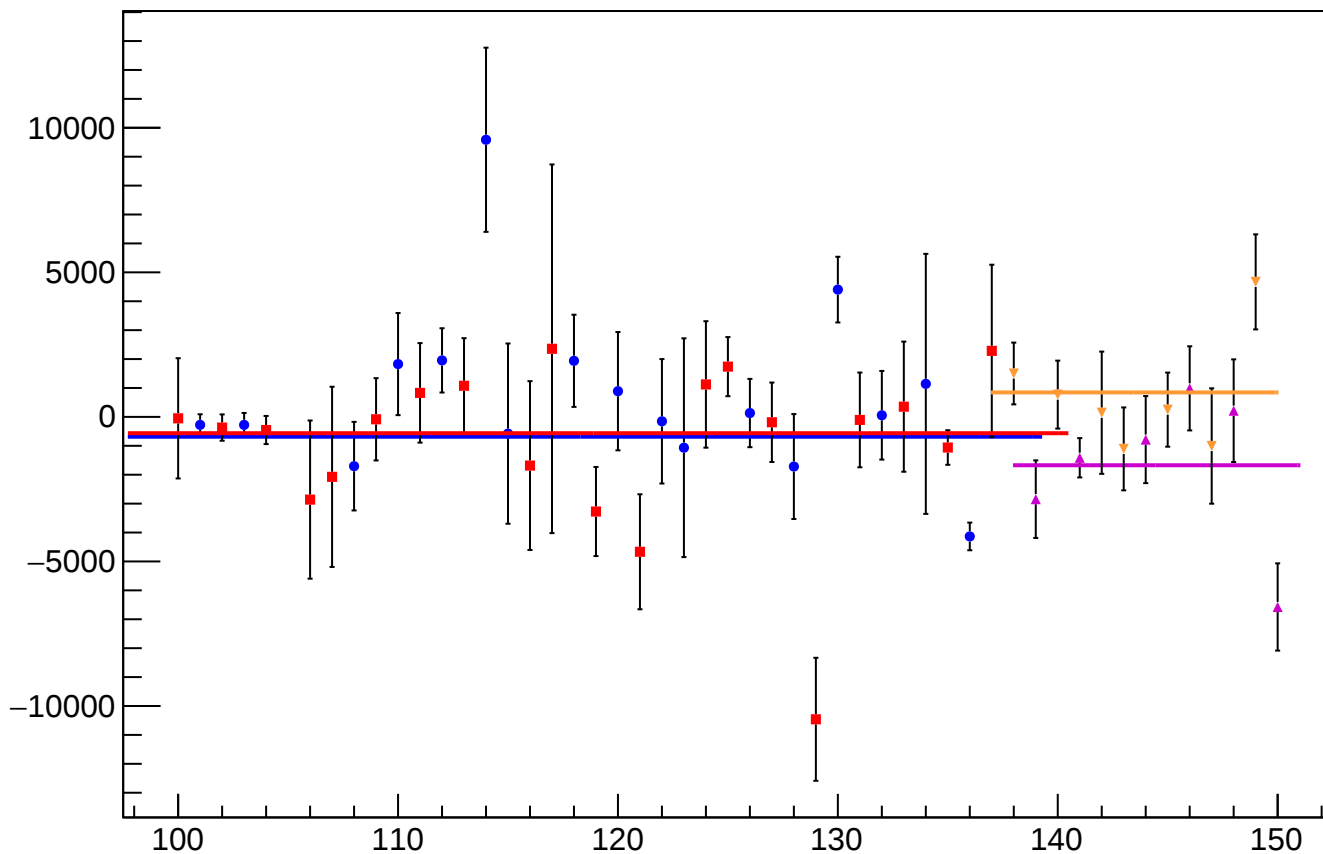
Left In: 310.774 $\pm$ 0.101 χ^2 /NDF: 222805.3/5

307.184 $\pm$ 0.065 χ^2 /NDF: 546281.6/23

305.702 $\pm$ 0.045 χ^2 /NDF: 1267287.9/49

304.286 $\pm$ 0.063 χ^2 /NDF: 719985.1/25

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -685.056 ± 210.341 $\chi^2/\text{NDF}: 97.4/16$

Left Out: 845.766 ± 531.494 $\chi^2/\text{NDF}: 8.8/6$

Right Out: -564.400 ± 243.074 $\chi^2/\text{NDF}: 39.9/19$

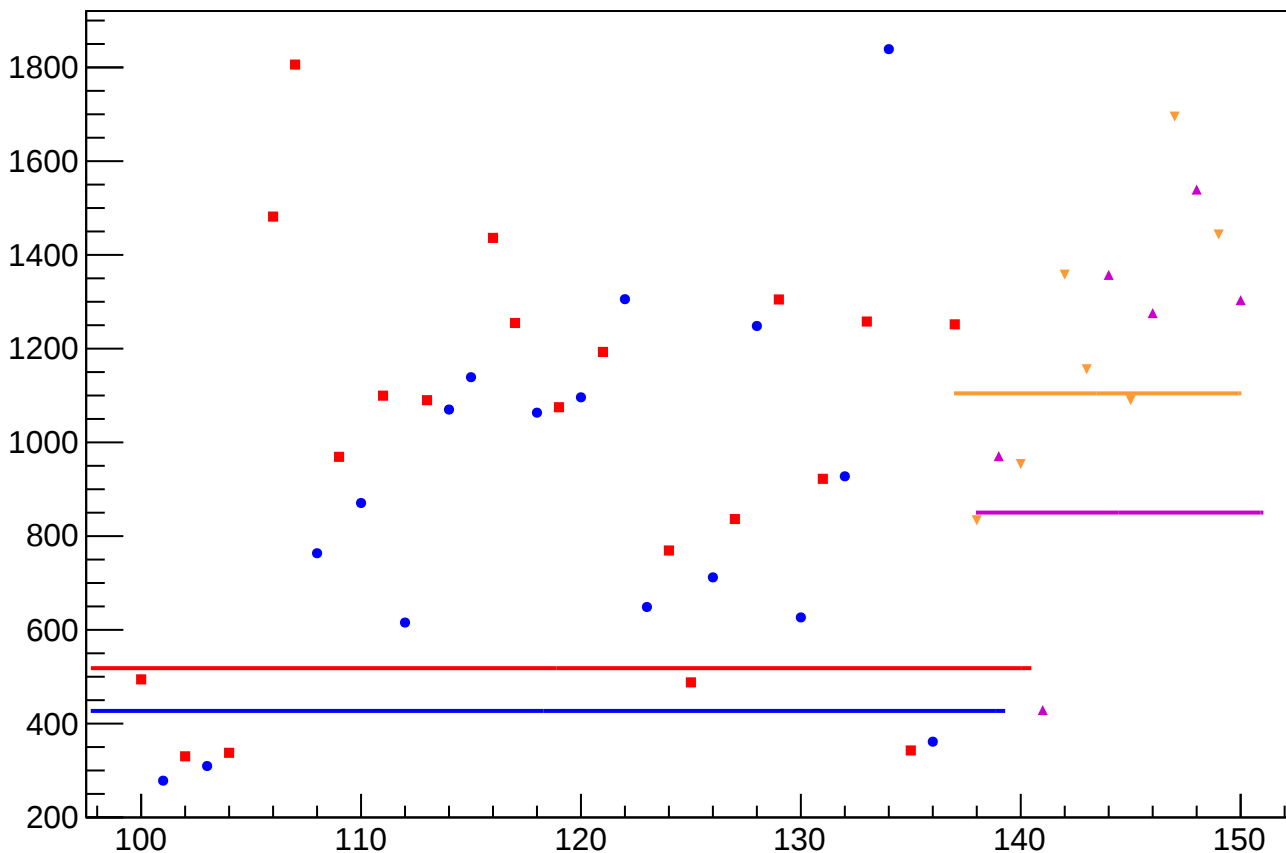
Left In: -1672.737 ± 477.569 $\chi^2/\text{NDF}: 16.3/5$

-477.764 ± 195.581 $\chi^2/\text{NDF}: 113.4/23$

-619.081 ± 145.169 $\chi^2/\text{NDF}: 175.0/49$

-792.450 ± 216.628 $\chi^2/\text{NDF}: 60.5/25$

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 1104.591+/-0.376 χ^2/NDF : 453153.0/6

Right Out: 518.306+/-0.172 χ^2/NDF : 3631833.9/19

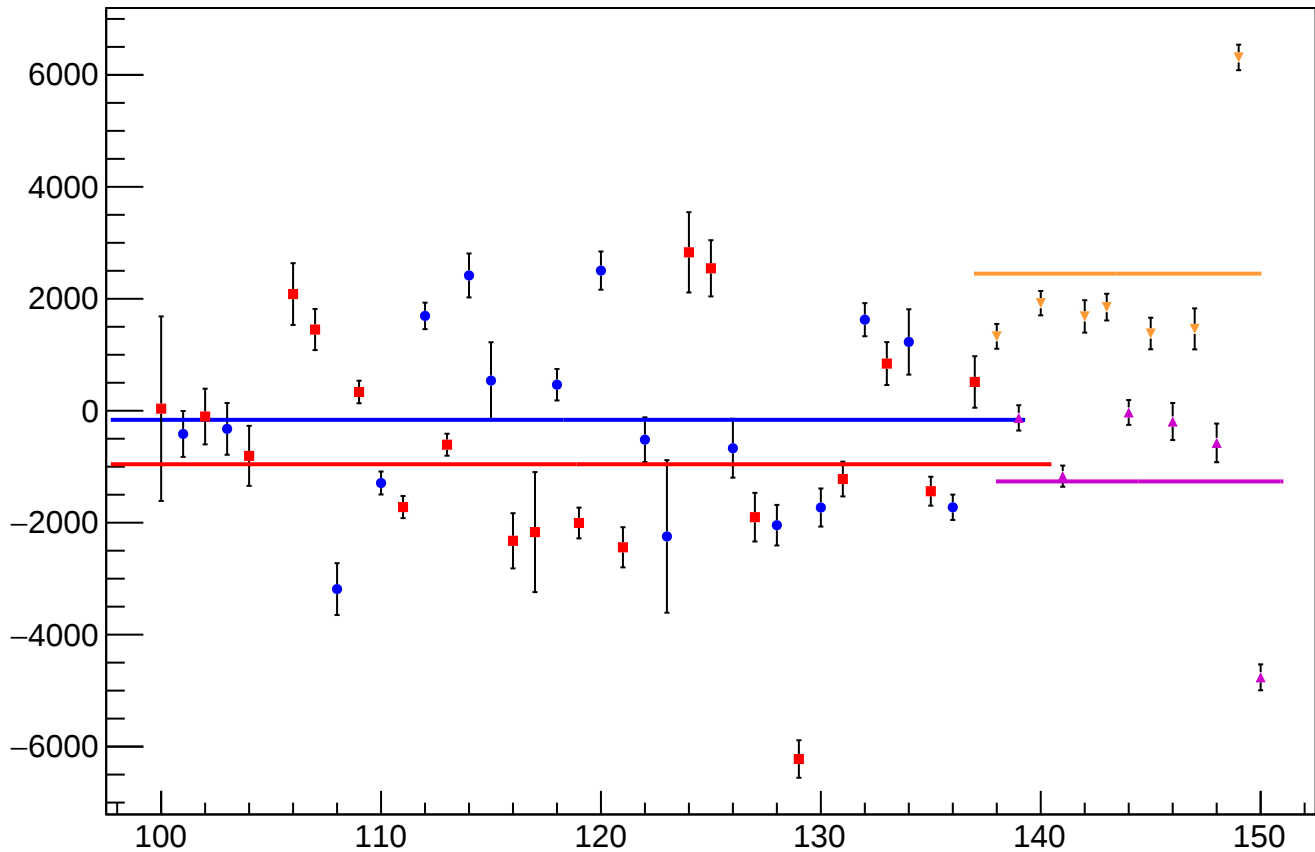
Left In: 850.227+/-0.338 χ^2/NDF : 1662499.5/5

518.823+/-0.138 χ^2/NDF : 6128634.3/23

549.261+/-0.103 χ^2/NDF : 12298159.5/49

586.602+/-0.153 χ^2/NDF : 6061658.8/25

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -162.333 ± 82.350 χ^2/NDF : 387.6/16

Left Out: 2449.119 ± 95.267 χ^2/NDF : 353.3/6

Right Out: -956.044 ± 74.949 χ^2/NDF : 541.1/19

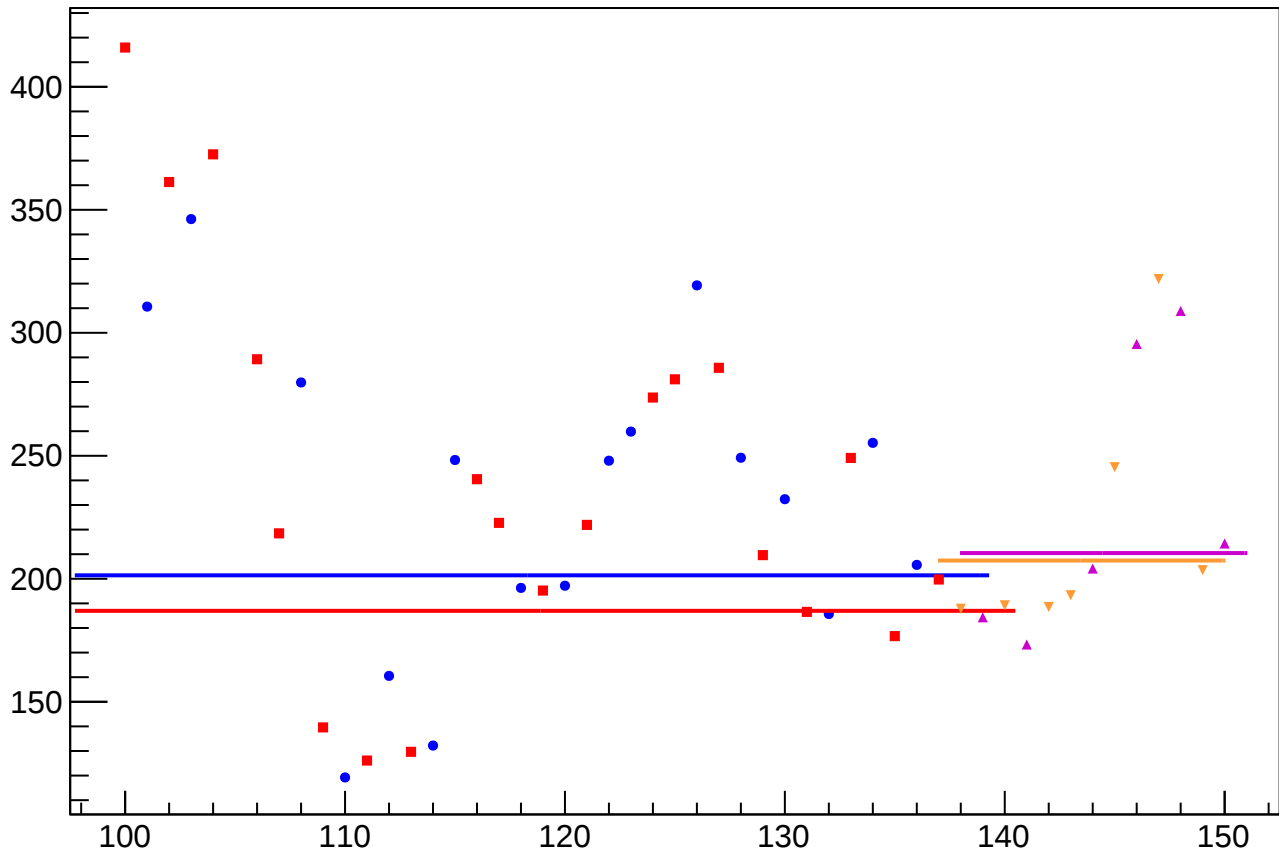
Left In: -1262.652 ± 98.108 χ^2/NDF : 299.4/5

954.480 ± 62.300 χ^2/NDF : 1170.9/23

-102.790 ± 43.051 χ^2/NDF : 2568.8/49

-1069.039 ± 59.558 χ^2/NDF : 846.7/25

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 201.409+/-0.058 χ^2/NDF : 1056022.1/16

Left Out: 207.417+/-0.067 χ^2/NDF : 277091.9/6

Right Out: 186.973+/-0.053 χ^2/NDF : 1395397.8/19

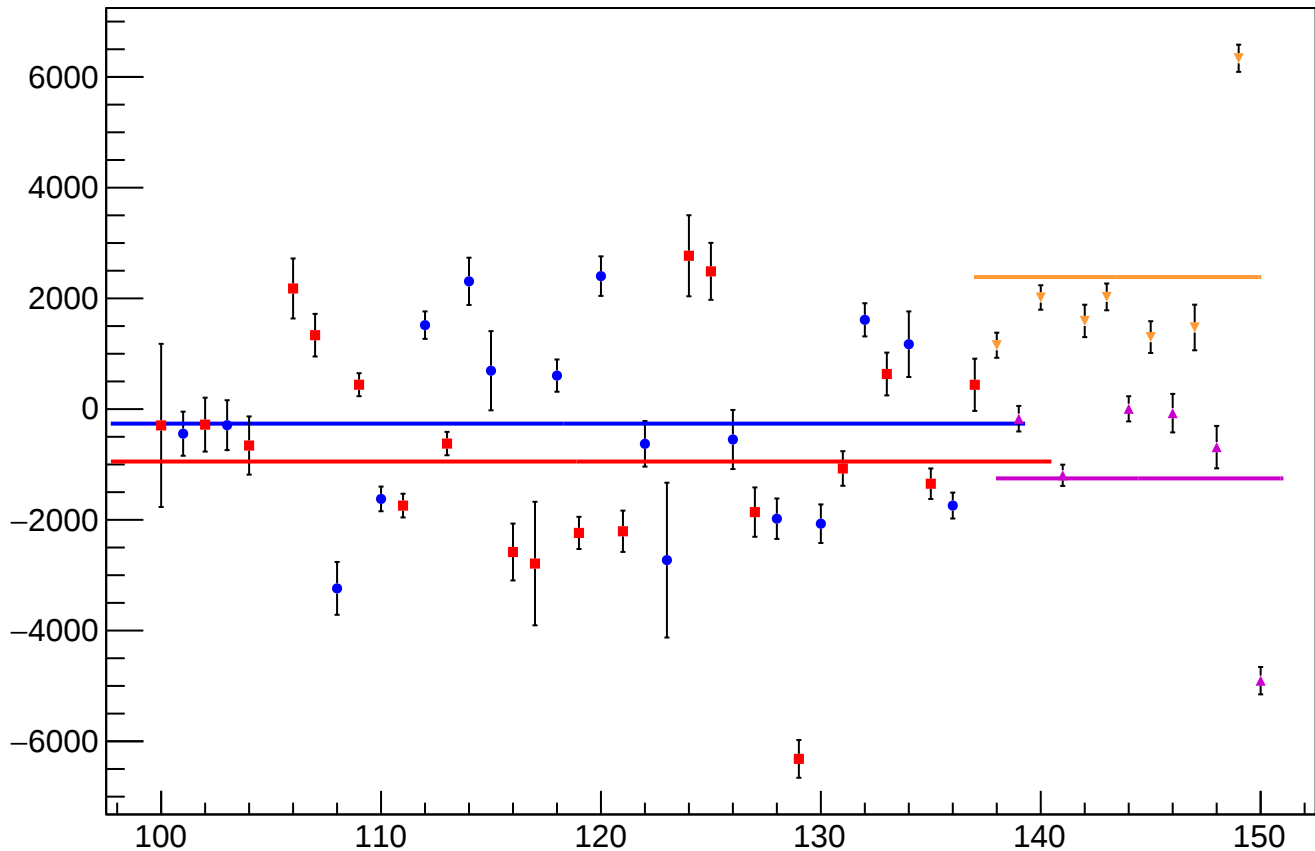
Left In: 210.457+/-0.069 χ^2/NDF : 399961.5/5

203.979+/-0.044 χ^2/NDF : 1337666.6/23

199.615+/-0.030 χ^2/NDF : 3224163.3/49

195.628+/-0.042 χ^2/NDF : 1867720.9/25

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -262.324 $\pm$ 85.433 χ^2 /NDF: 368.7/16

Left Out: 2385.302 $\pm$ 98.332 χ^2 /NDF:320.0/6

Right Out: -946.785 $\pm$ 78.241 χ^2 /NDF: 524.6/19

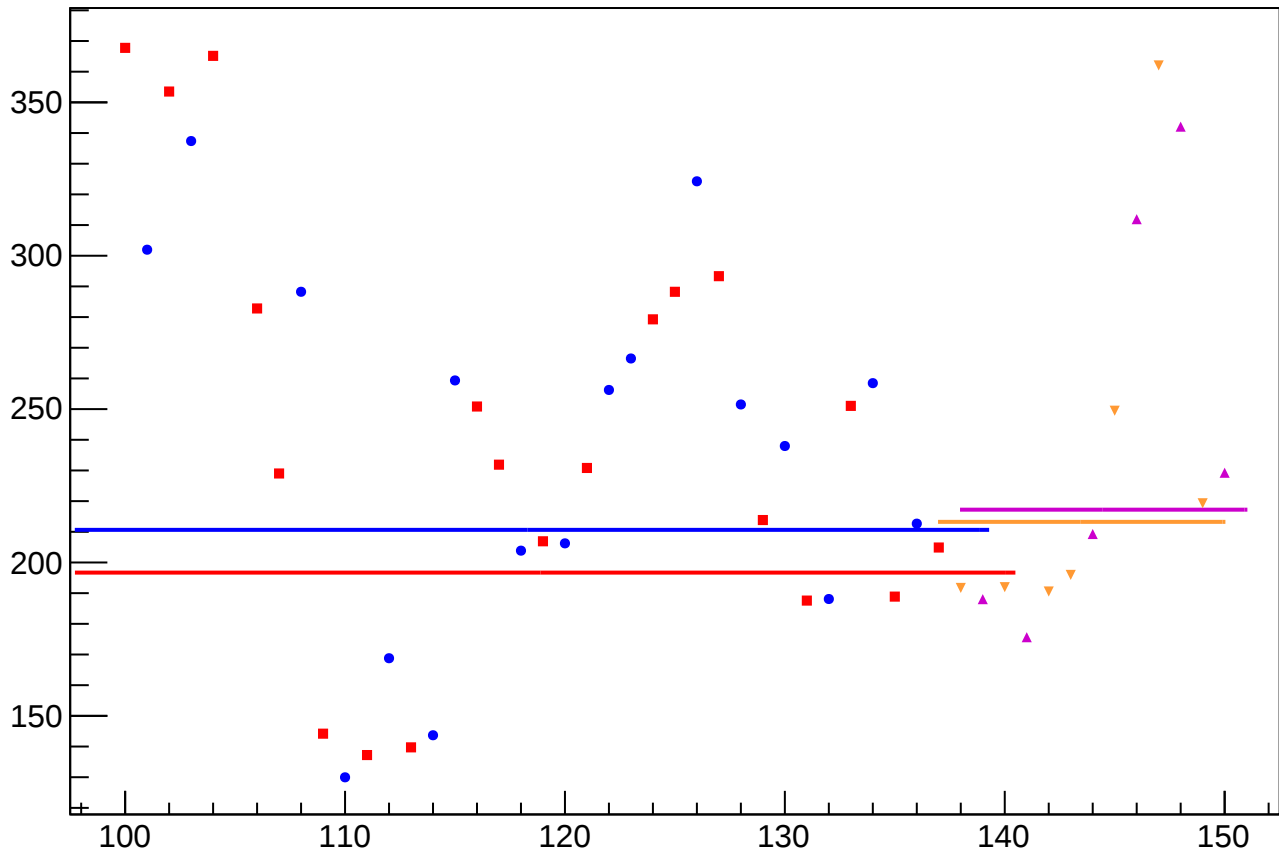
Left In: -1251.413 $\pm$ 101.705 χ^2 /NDF:284.2/5

876.560 $\pm$ 64.492 χ^2 /NDF: 1101.8/23

-129.664 $\pm$ 44.701 χ^2 /NDF: 2384.8/49

-1060.040 $\pm$ 62.014 χ^2 /NDF: 814.5/25

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 210.636 ± 0.060 $\chi^2/\text{NDF}: 875776.4/16$

Left Out: 213.246 ± 0.070 $\chi^2/\text{NDF}: 352746.2/6$

Right Out: 196.702 ± 0.055 $\chi^2/\text{NDF}: 1207089.6/19$

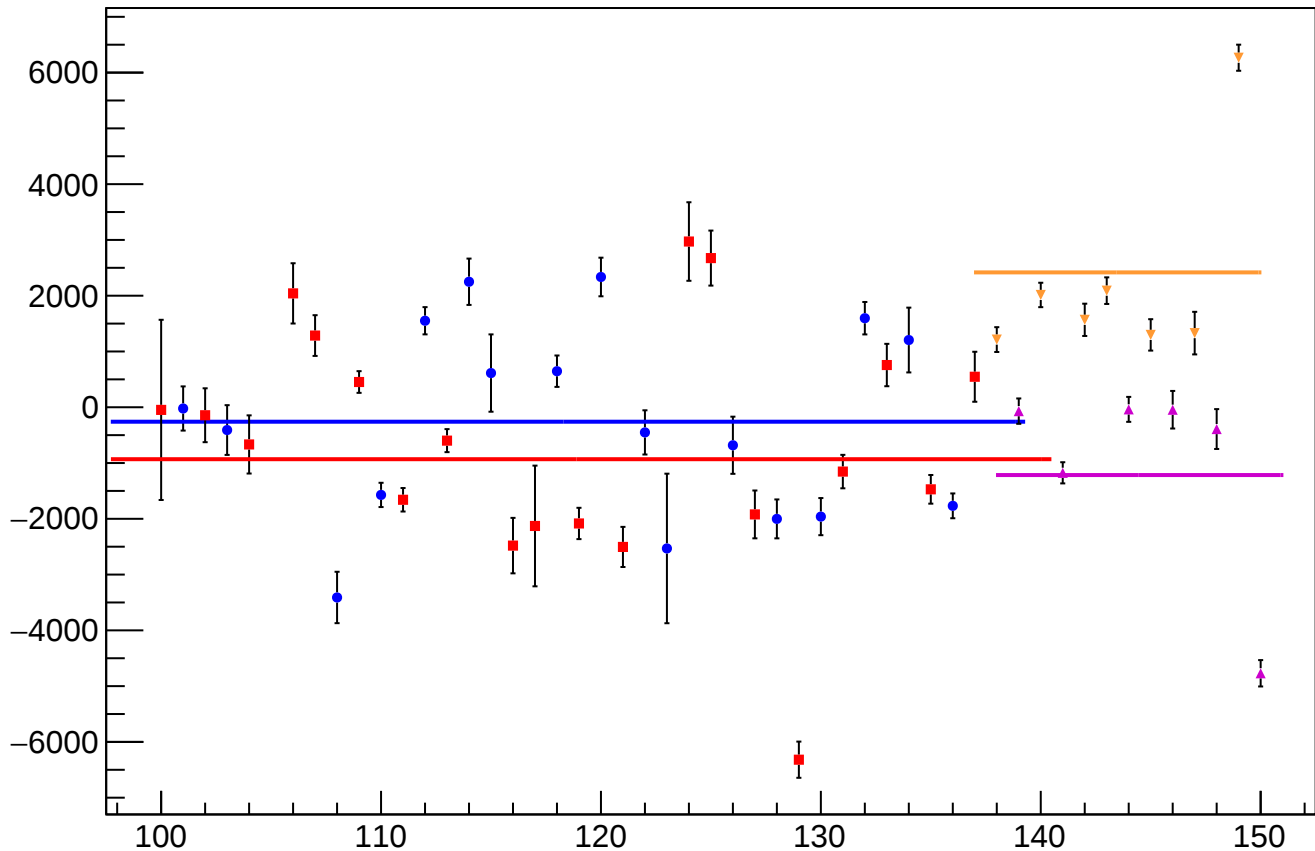
Left In: 217.216 ± 0.072 $\chi^2/\text{NDF}: 493443.1/5$

211.758 ± 0.046 $\chi^2/\text{NDF}: 1229325.4/23$

207.898 ± 0.032 $\chi^2/\text{NDF}: 2994764.5/49$

204.329 ± 0.044 $\chi^2/\text{NDF}: 1751647.9/25$

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -259.139 ± 82.802 χ^2/NDF : 391.2/16

Left Out: 2417.858 ± 96.068 χ^2/NDF : 337.9/6

Right Out: -931.363 ± 75.320 χ^2/NDF : 583.1/19

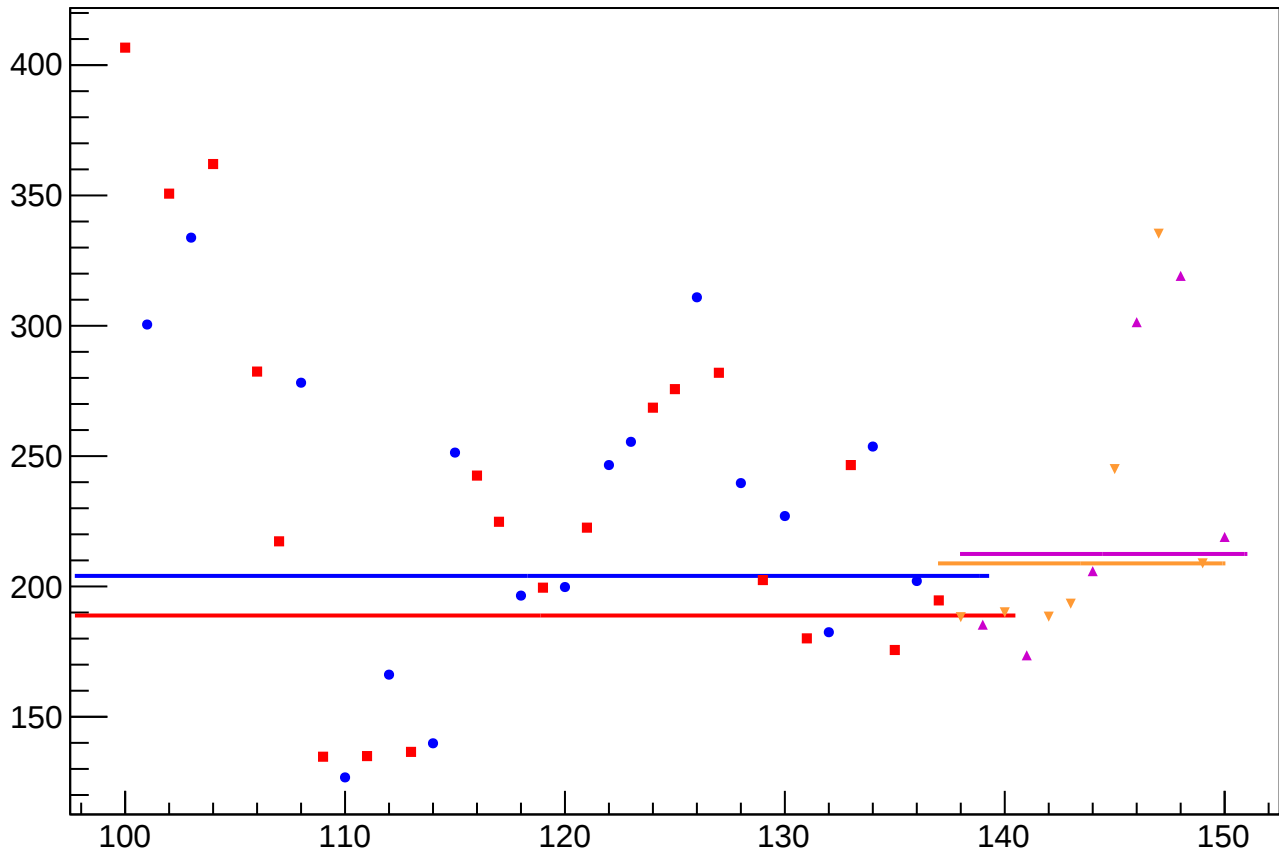
Left In: -1215.526 ± 99.199 χ^2/NDF : 296.6/5

881.910 ± 62.720 χ^2/NDF : 1174.6/23

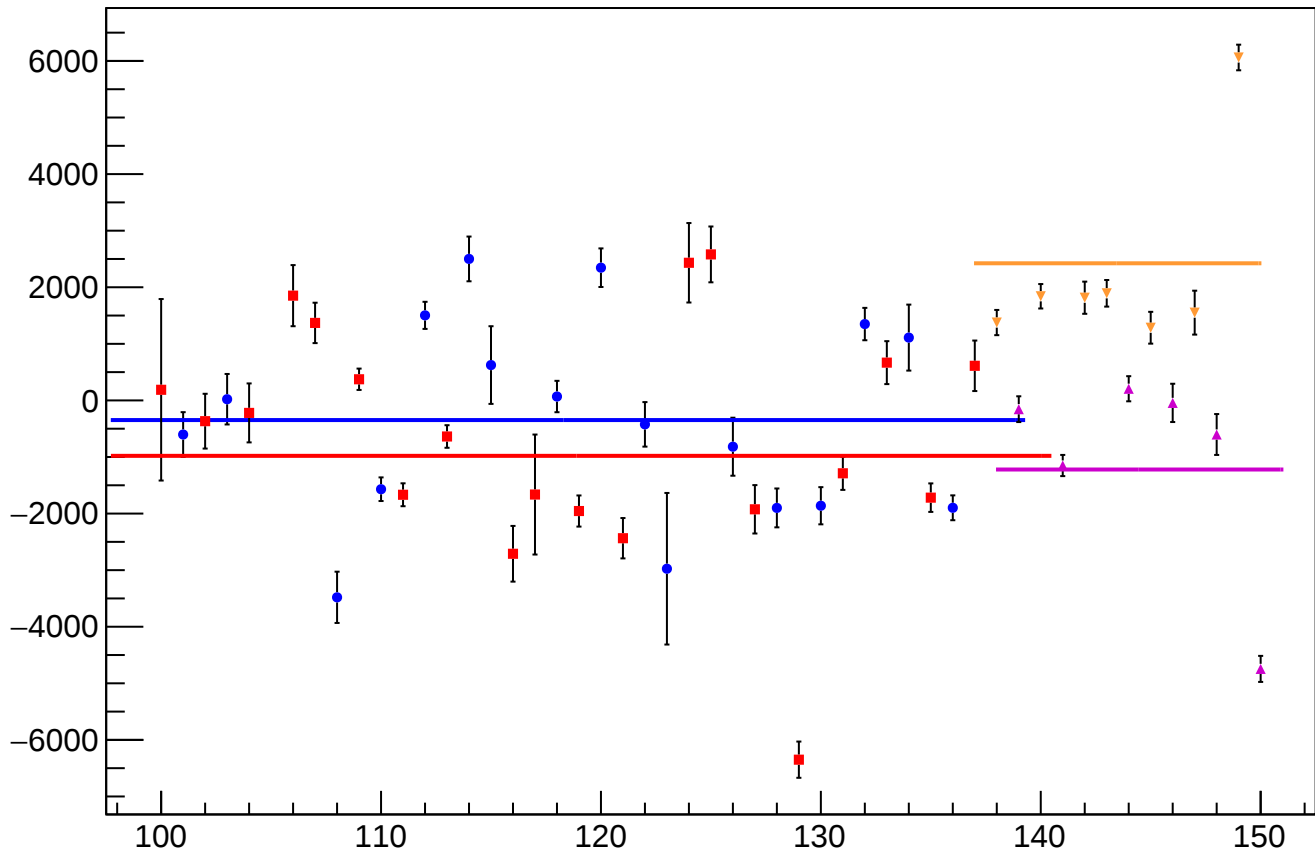
-119.348 ± 43.351 χ^2/NDF : 2547.5/49

-1035.279 ± 59.988 χ^2/NDF : 884.9/25

asym_bpm0l06WS_rms vs Slug, Sign Corrected



asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.240 ± 81.318 χ^2/NDF : 399.1/16

Left Out: 2423.668 ± 95.003 χ^2/NDF : 318.4/6

Right Out: -979.606 ± 73.710 χ^2/NDF : 586.1/19

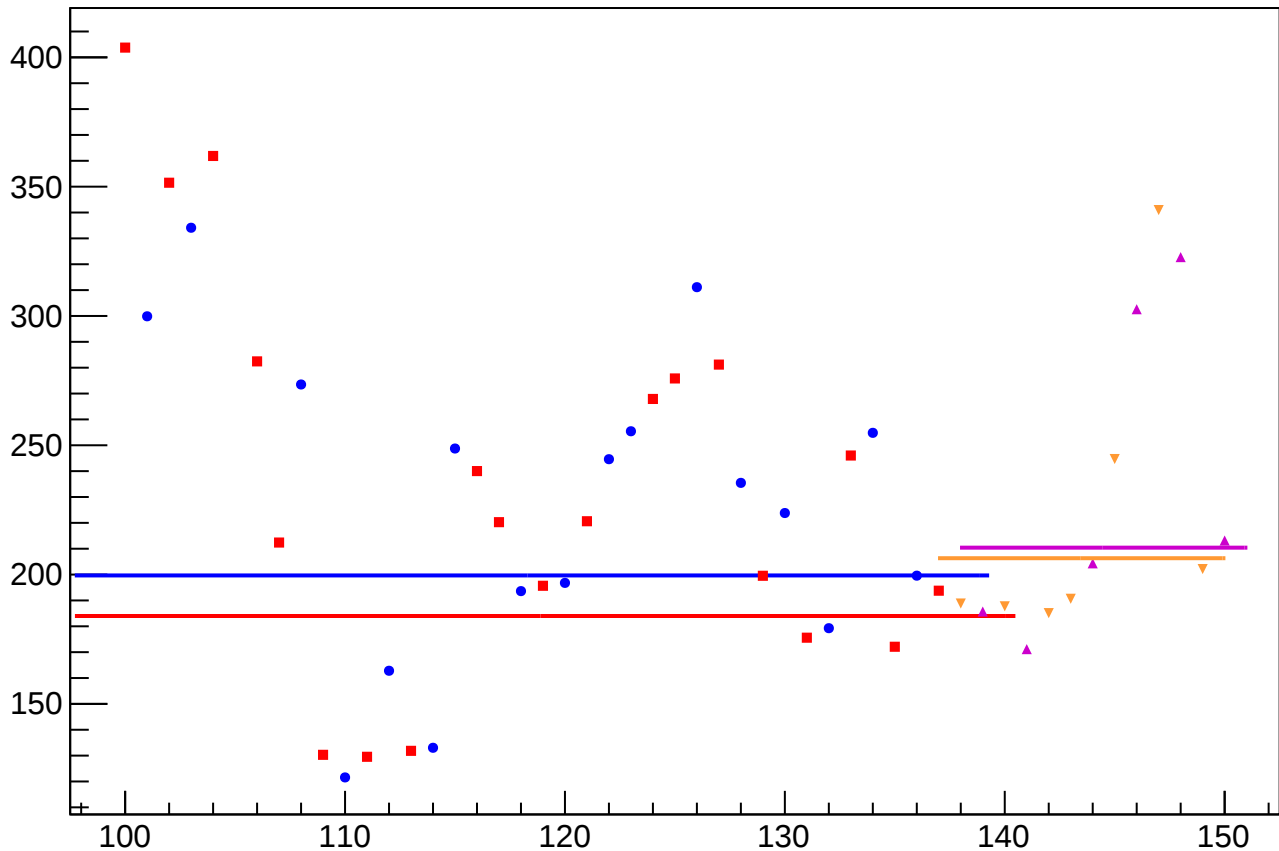
Left In: -1221.221 ± 98.353 χ^2/NDF : 313.0/5

824.429 ± 61.777 χ^2/NDF : 1208.5/23

-164.758 ± 42.661 χ^2/NDF : 2601.5/49

-1066.505 ± 58.984 χ^2/NDF : 902.9/25

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 199.669+/-0.058 χ^2/NDF : 943155.1/16

Left Out: 206.329+/-0.067 χ^2/NDF : 325780.6/6

Right Out: 183.984+/-0.052 χ^2/NDF : 1351978.1/19

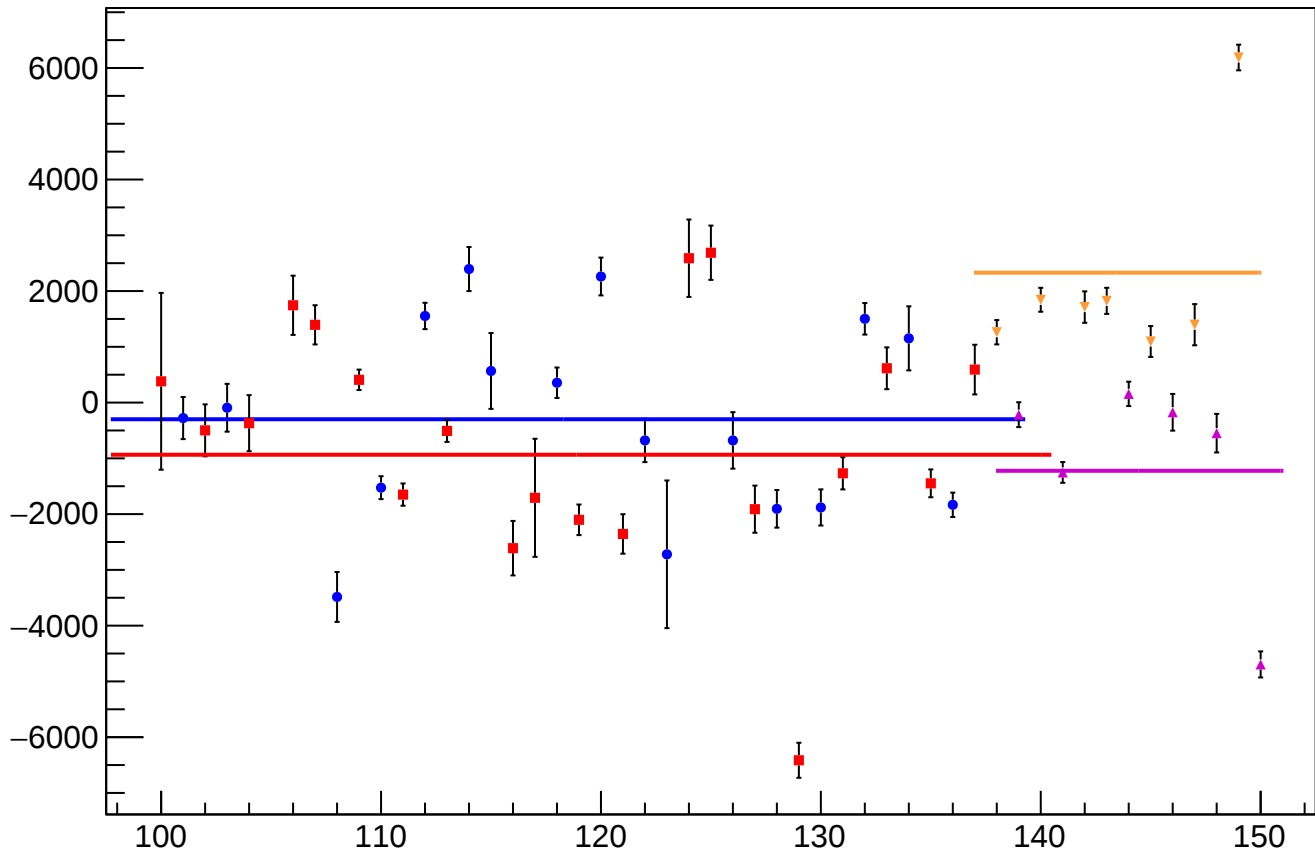
Left In: 210.409+/-0.070 χ^2/NDF : 455131.0/5

202.485+/-0.044 χ^2/NDF : 1274608.3/23

197.779+/-0.030 χ^2/NDF : 3196354.6/49

193.488+/-0.042 χ^2/NDF : 1899556.8/25

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 2329.712 ± 94.122 χ^2/NDF : 346.3/6

Right Out: -935.490 ± 72.580 χ^2/NDF : 615.3/19

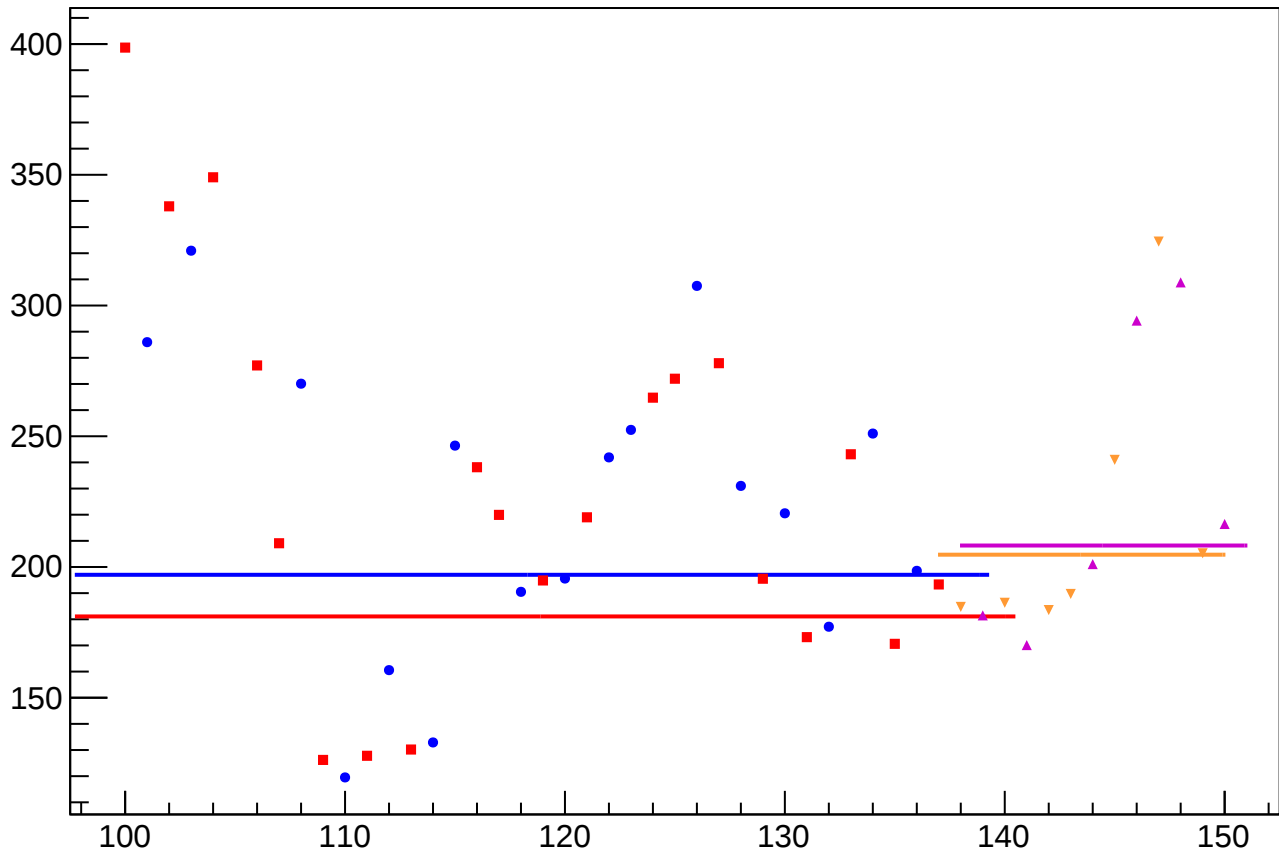
Left In: -1223.100 ± 97.185 χ^2/NDF : 295.2/5

806.154 ± 61.028 χ^2/NDF : 1205.0/23

-160.637 ± 42.100 χ^2/NDF : 2599.9/49

-1038.467 ± 58.152 χ^2/NDF : 916.1/25

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 197.013 +/- 0.057 χ^2/NDF : 911923.5/16

Left Out: 204.704 +/- 0.067 χ^2/NDF : 295409.4/6

Right Out: 181.089 +/- 0.051 χ^2/NDF : 1348390.5/19

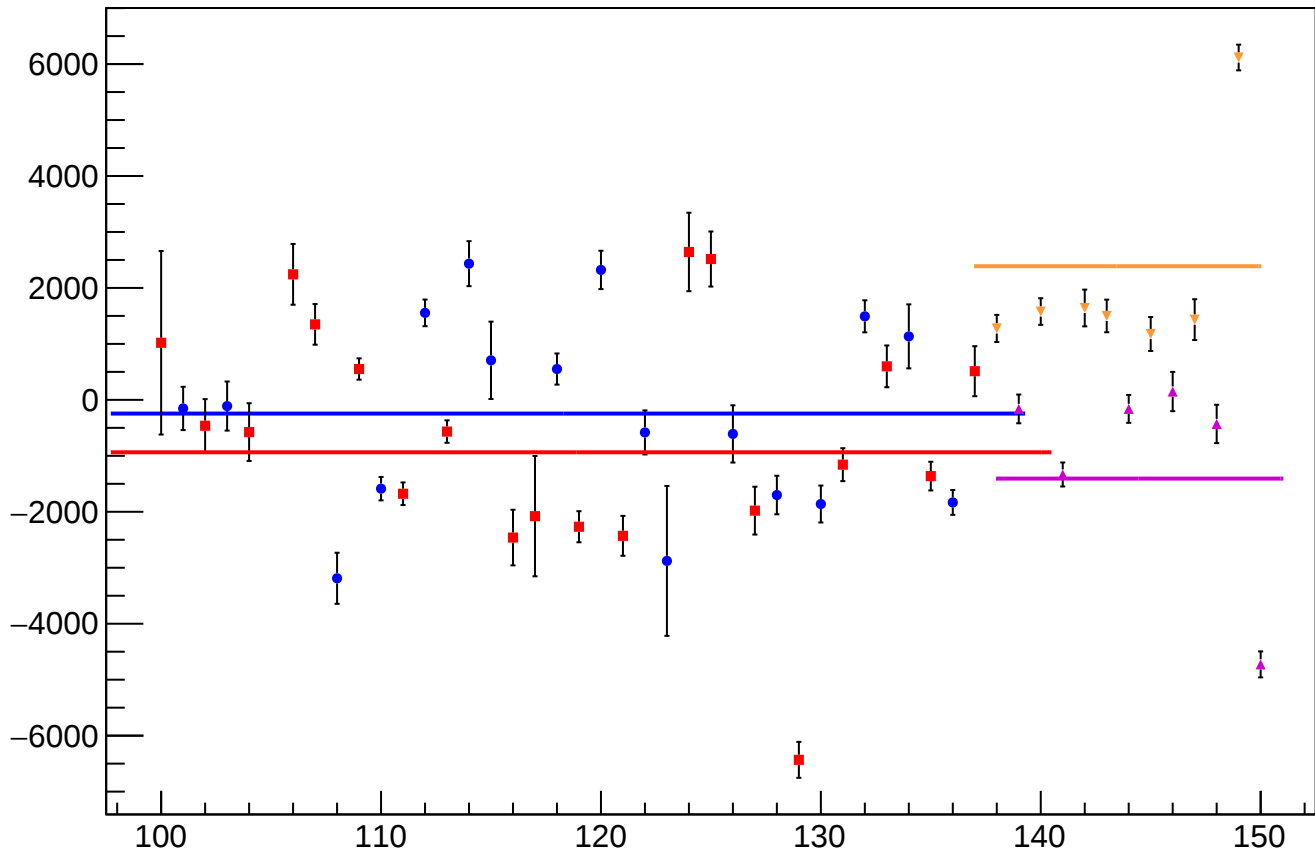
Left In: 208.212 +/- 0.069 χ^2/NDF : 423126.6/5

200.247 +/- 0.043 χ^2/NDF : 1215072.9/23

195.296 +/- 0.030 χ^2/NDF : 3111701.5/49

190.800 +/- 0.041 χ^2/NDF : 1871513.8/25

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -244.925 ± 81.395 χ^2/NDF : 391.4/16

Left Out: 2387.514 ± 103.643 χ^2/NDF : 334.1/6

Right Out: -936.709 ± 74.030 χ^2/NDF : 610.9/19

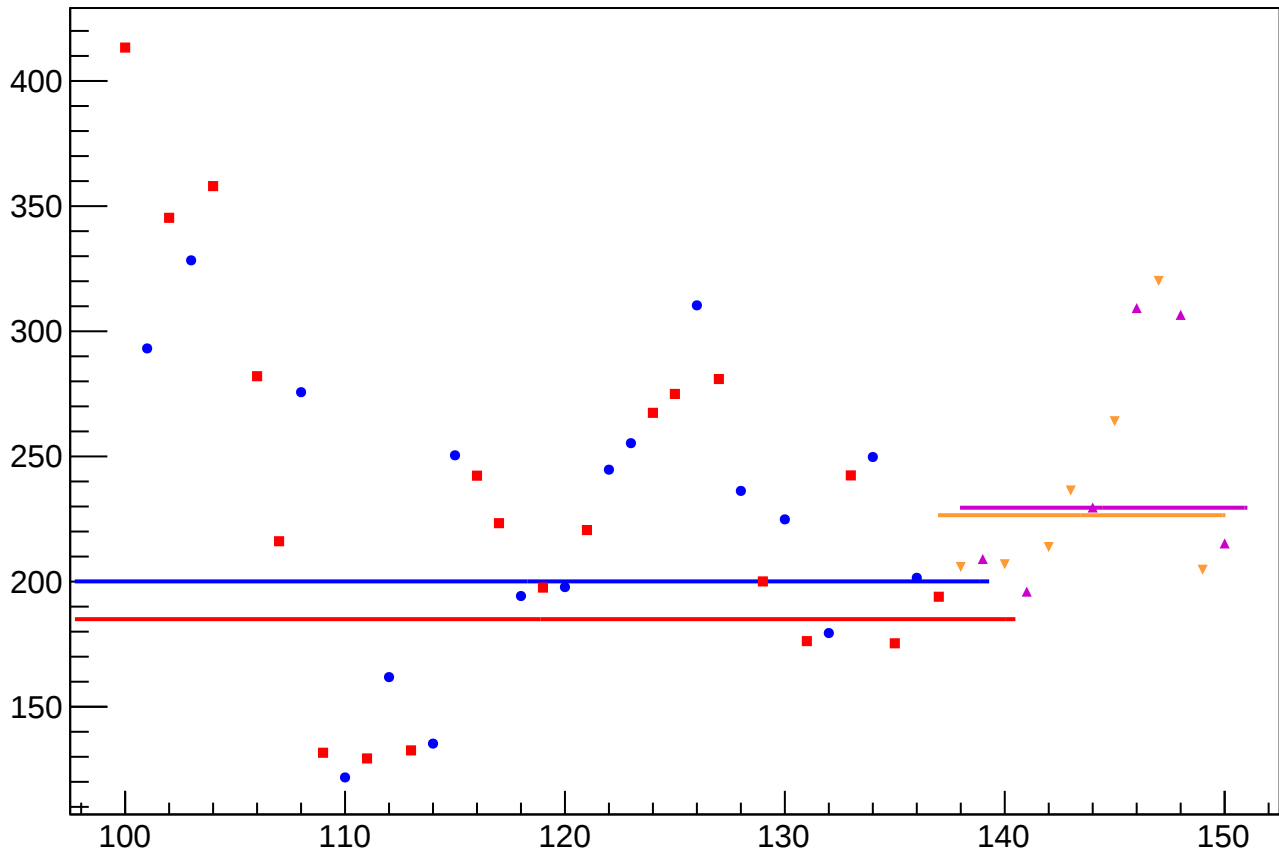
Left In: -1406.569 ± 106.495 χ^2/NDF : 280.5/5

759.288 ± 64.014 χ^2/NDF : 1124.5/23

-213.051 ± 44.079 χ^2/NDF : 2467.7/49

-1089.787 ± 60.786 χ^2/NDF : 904.4/25

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 200.078+/-0.058 χ^2/NDF : 918309.2/16

Left Out: 226.516+/-0.073 χ^2/NDF : 213965.3/6

Right Out: 184.990+/-0.052 χ^2/NDF : 1320825.4/19

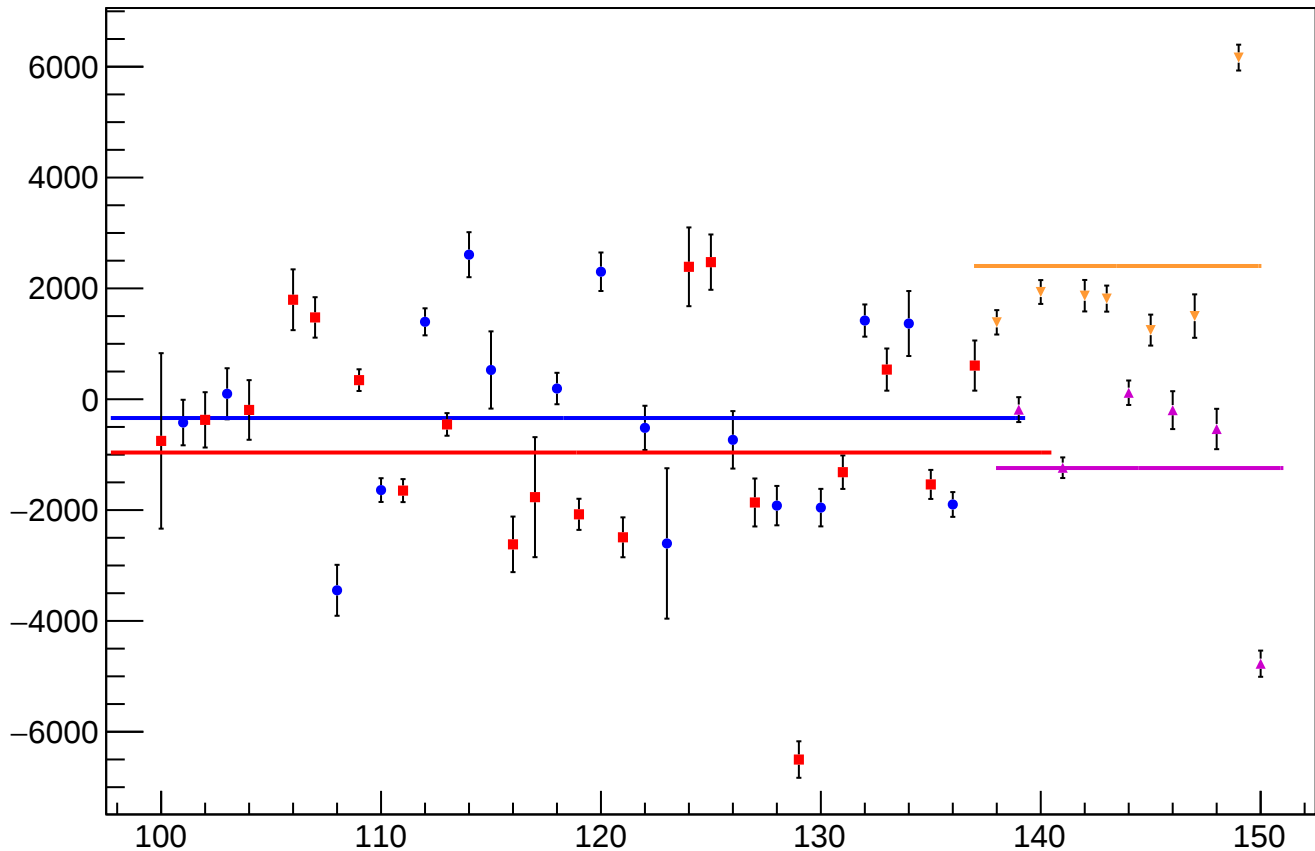
Left In: 229.518+/-0.075 χ^2/NDF : 273423.4/5

210.164+/-0.045 χ^2/NDF : 1212766.8/23

204.555+/-0.031 χ^2/NDF : 3071952.9/49

199.497+/-0.043 χ^2/NDF : 1829984.7/25

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -338.966 ± 83.123 χ^2/NDF : 389.5/16

Left Out: 2404.196 ± 95.158 χ^2/NDF : 318.2/6

Right Out: -961.556 ± 75.564 χ^2/NDF : 570.9/19

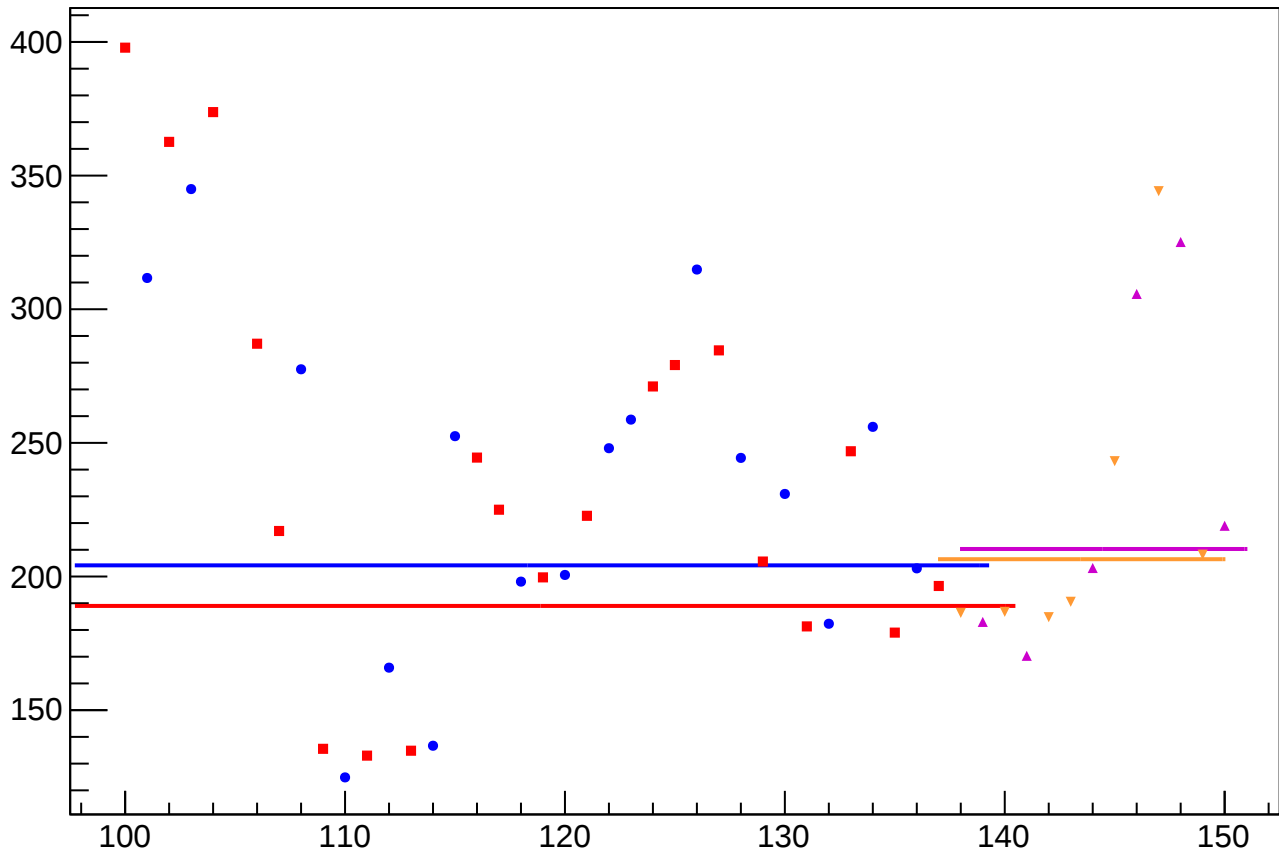
Left In: -1241.479 ± 98.466 χ^2/NDF : 296.1/5

848.266 ± 62.602 χ^2/NDF : 1179.0/23

-149.968 ± 43.297 χ^2/NDF : 2538.5/49

-1065.307 ± 59.946 χ^2/NDF : 872.0/25

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 204.175+/-0.059 χ^2/NDF : 947438.5/16

Left Out: 206.476+/-0.067 χ^2/NDF : 335727.1/6

Right Out: 188.997+/-0.053 χ^2/NDF : 1317112.1/19

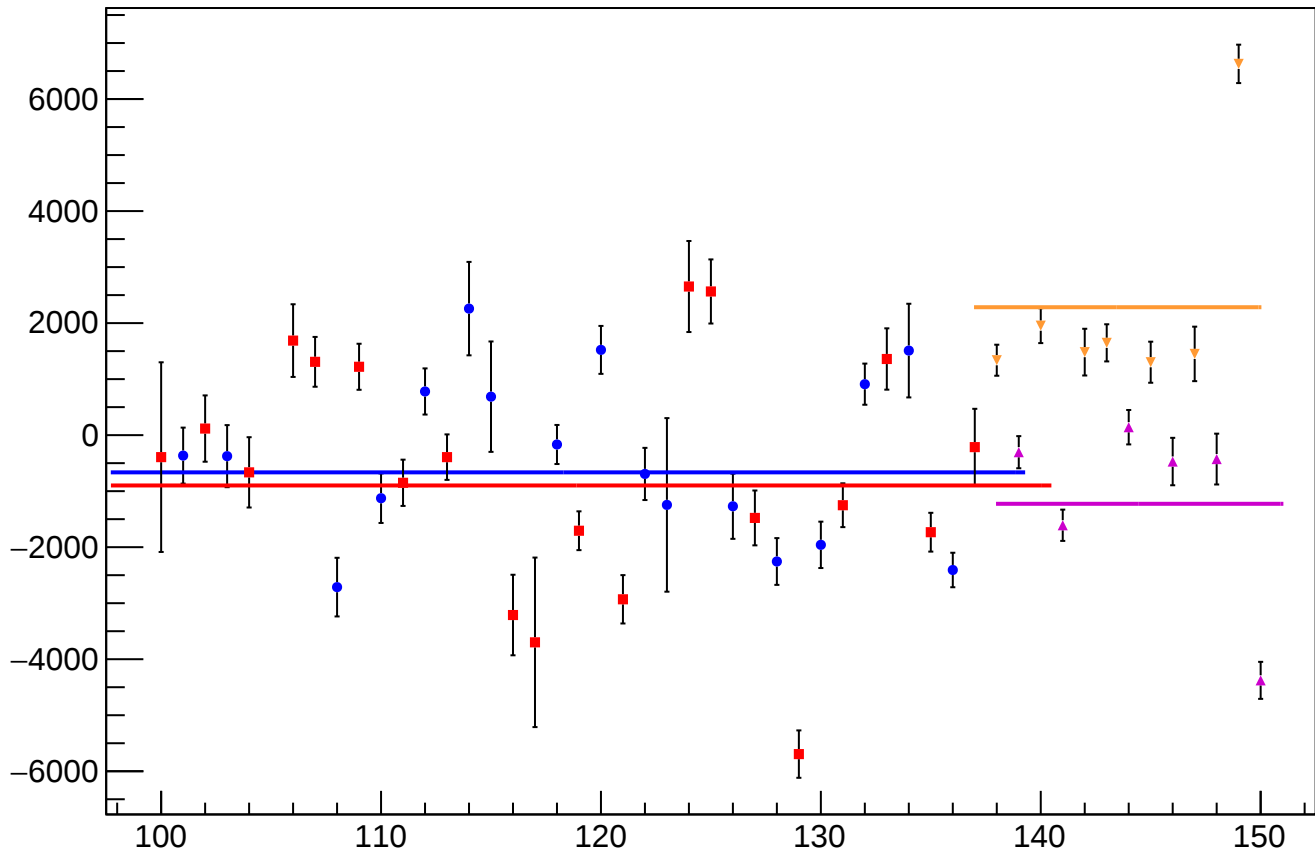
Left In: 210.303+/-0.070 χ^2/NDF : 481143.9/5

205.171+/-0.044 χ^2/NDF : 1283829.1/23

200.853+/-0.031 χ^2/NDF : 3159257.5/49

196.894+/-0.042 χ^2/NDF : 1857190.2/25

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -664.383 ± 113.949 χ^2/NDF : 154.3/16

Left Out: 2283.652 ± 130.897 χ^2/NDF : 190.8/6

Right Out: -898.290 ± 110.578 χ^2/NDF : 323.5/19

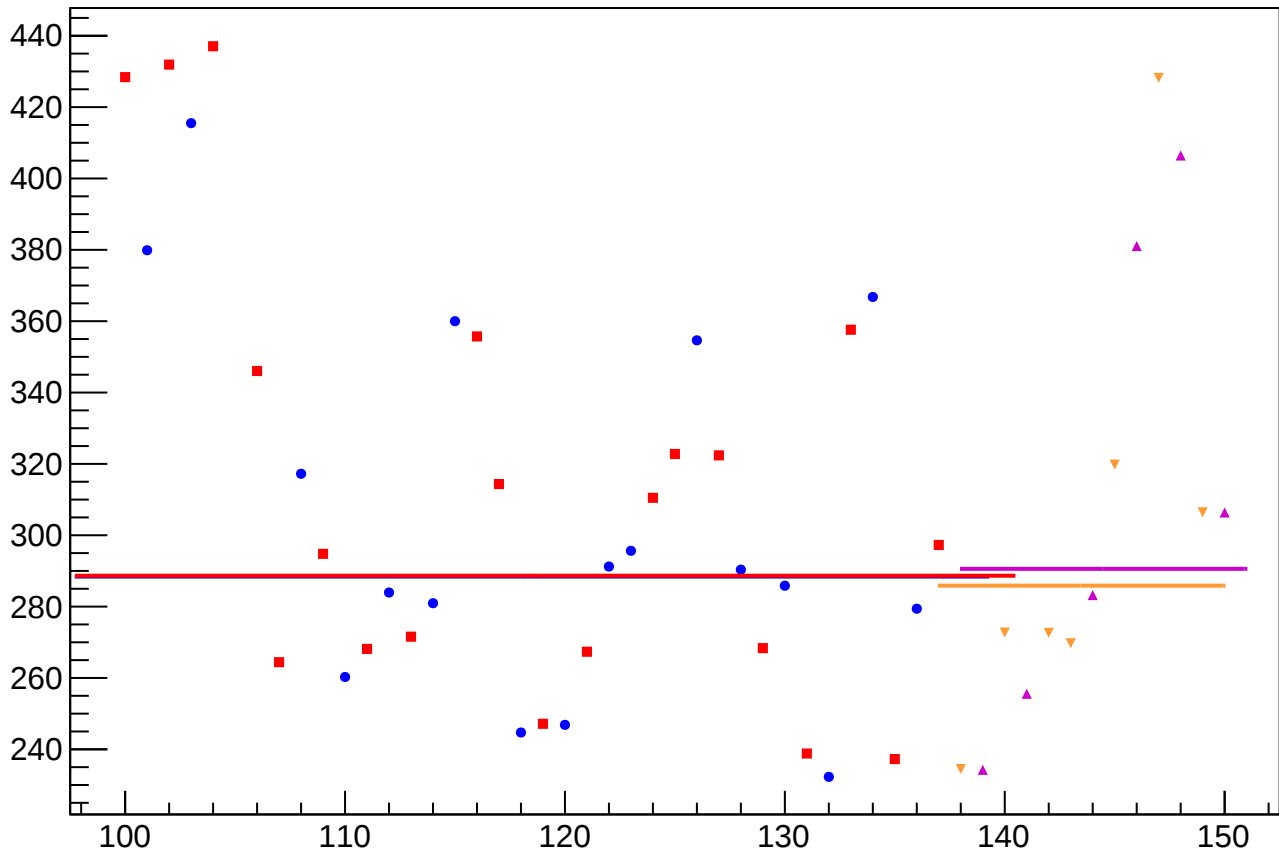
Left In: -1225.679 ± 134.626 χ^2/NDF : 129.2/5

606.541 ± 85.946 χ^2/NDF : 633.7/23

-216.563 ± 60.596 χ^2/NDF : 1272.3/49

-1030.182 ± 85.449 χ^2/NDF : 456.3/25

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 288.428+/-0.081 χ^2/NDF : 339820.0/16

Left Out: 285.880+/-0.093 χ^2/NDF : 274747.7/6

Right Out: 288.660+/-0.078 χ^2/NDF : 455989.7/19

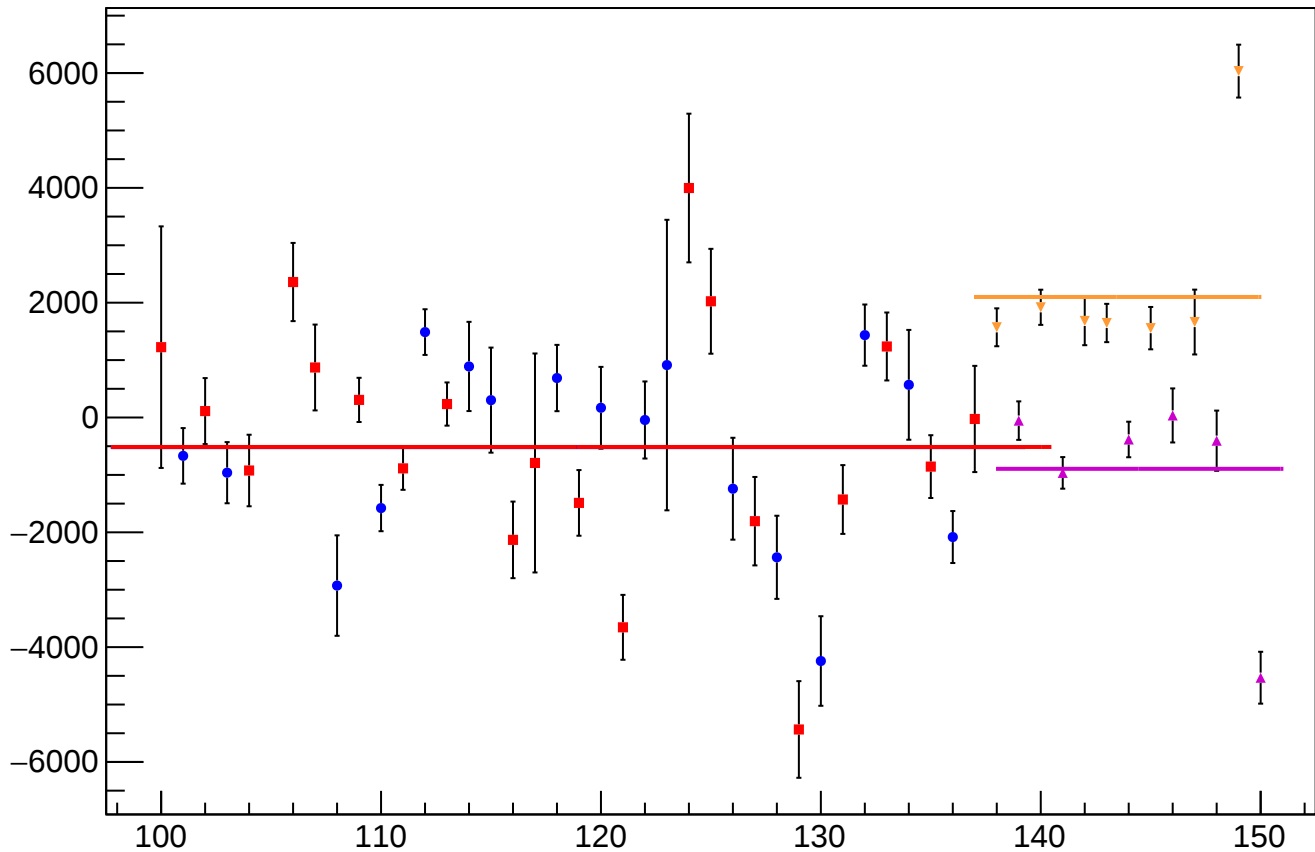
Left In: 290.588+/-0.095 χ^2/NDF : 336096.8/5

287.330+/-0.061 χ^2/NDF : 614998.9/23

288.389+/-0.043 χ^2/NDF : 1407934.8/49

289.437+/-0.060 χ^2/NDF : 792331.5/25

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -515.894+/-147.326 χ^2/NDF : 108.0/16

Left Out: 2099.586+/-141.963 χ^2/NDF : 81.4/6

Right Out: -513.264+/-135.456 χ^2/NDF : 141.3/19

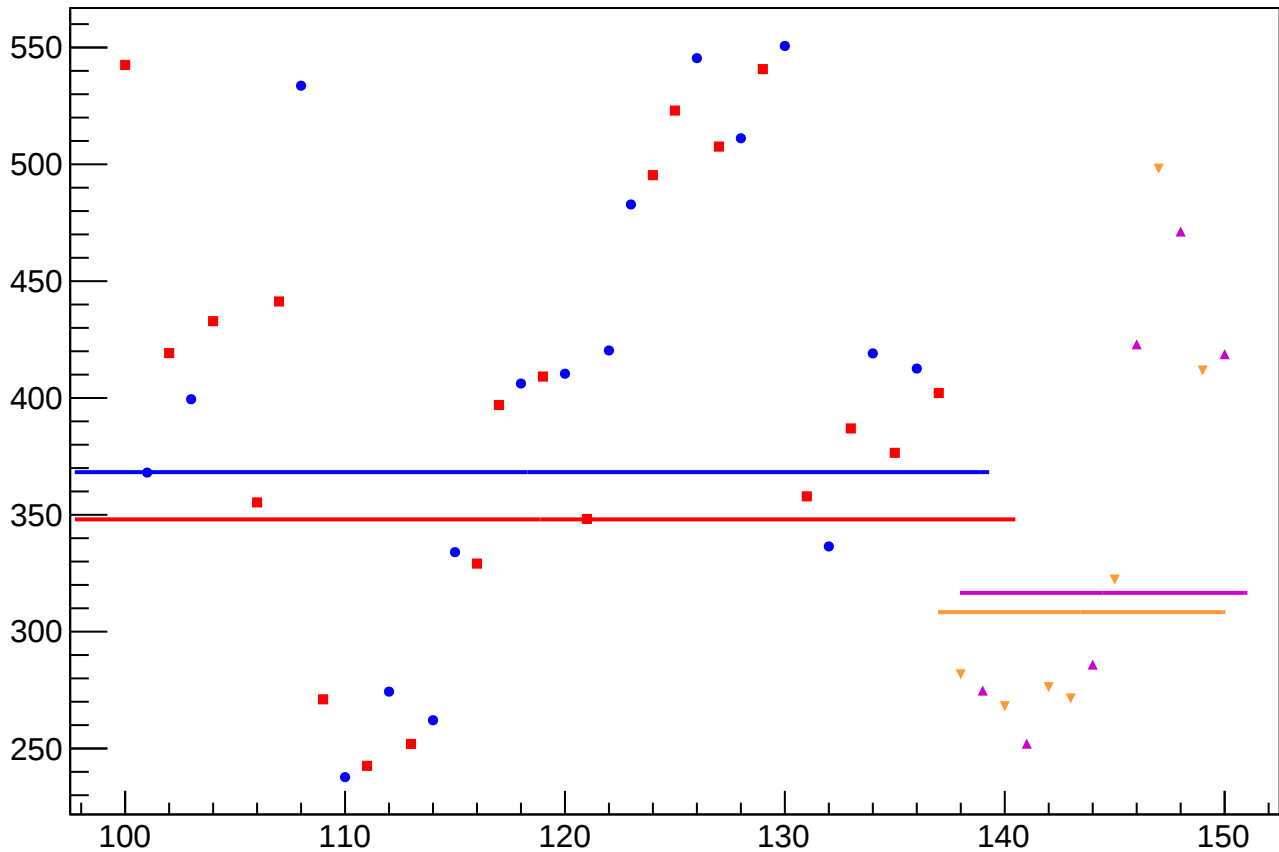
Left In: -893.925+/-148.135 χ^2/NDF : 78.7/5

840.320+/-102.226 χ^2/NDF : 352.9/23

59.773+/-71.472 χ^2/NDF : 690.5/49

-686.609+/-99.964 χ^2/NDF : 223.6/25

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 368.264+/-0.104 χ^2/NDF : 770116.6/16

Left Out: 308.342+/-0.100 χ^2/NDF : 413307.2/6

Right Out: 348.050+/-0.096 χ^2/NDF : 823186.4/19

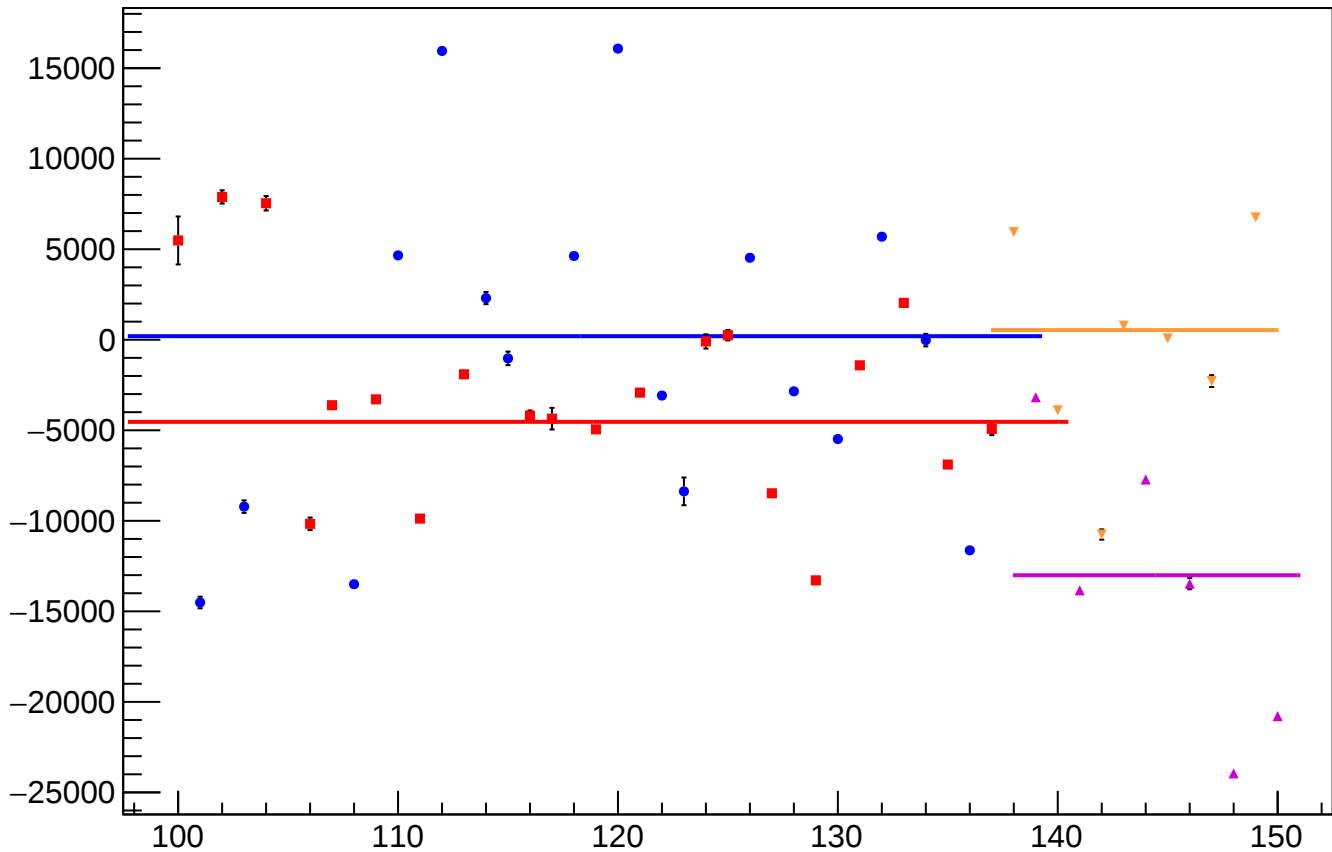
Left In: 316.596+/-0.105 χ^2/NDF : 539164.1/5

337.193+/-0.072 χ^2/NDF : 1354984.9/23

335.421+/-0.051 χ^2/NDF : 2767619.1/49

333.727+/-0.071 χ^2/NDF : 1411459.1/25

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 197.008 ± 54.799 χ^2/NDF : 30658.3/16

Left Out: 534.777 ± 91.505 χ^2/NDF : 3593.6/6

Right Out: -4532.856 ± 52.261 χ^2/NDF : 7477.3/19

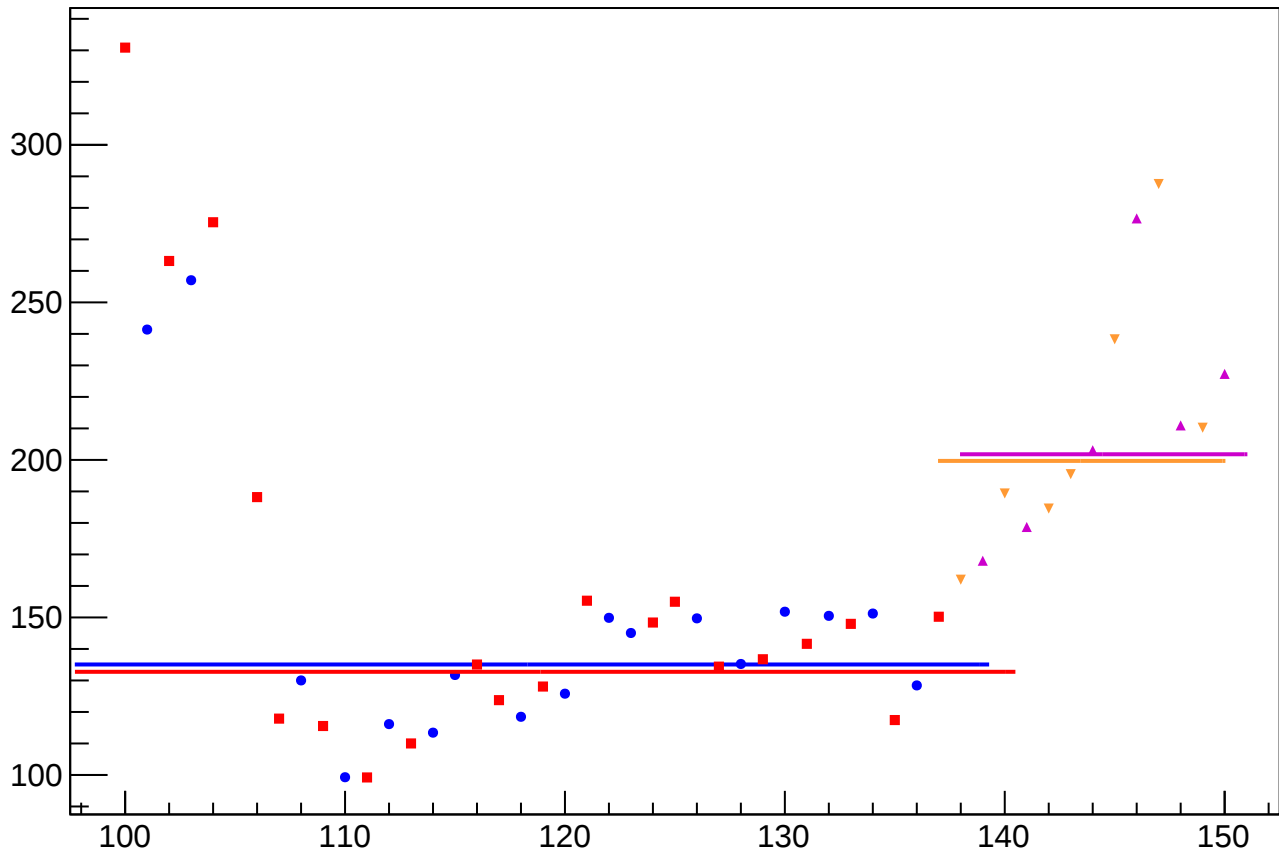
Left In: -13006.402 ± 93.559 χ^2/NDF : 5882.9/5

286.167 ± 47.013 χ^2/NDF : 34261.9/23

-3233.256 ± 32.742 χ^2/NDF : 64756.3/49

-6548.003 ± 45.626 χ^2/NDF : 19612.2/25

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 135.072 +/- 0.039 χ^2/NDF : 658703.5/16

Left Out: 199.686 +/- 0.065 χ^2/NDF : 278513.3/6

Right Out: 132.747 +/- 0.037 χ^2/NDF : 831647.2/19

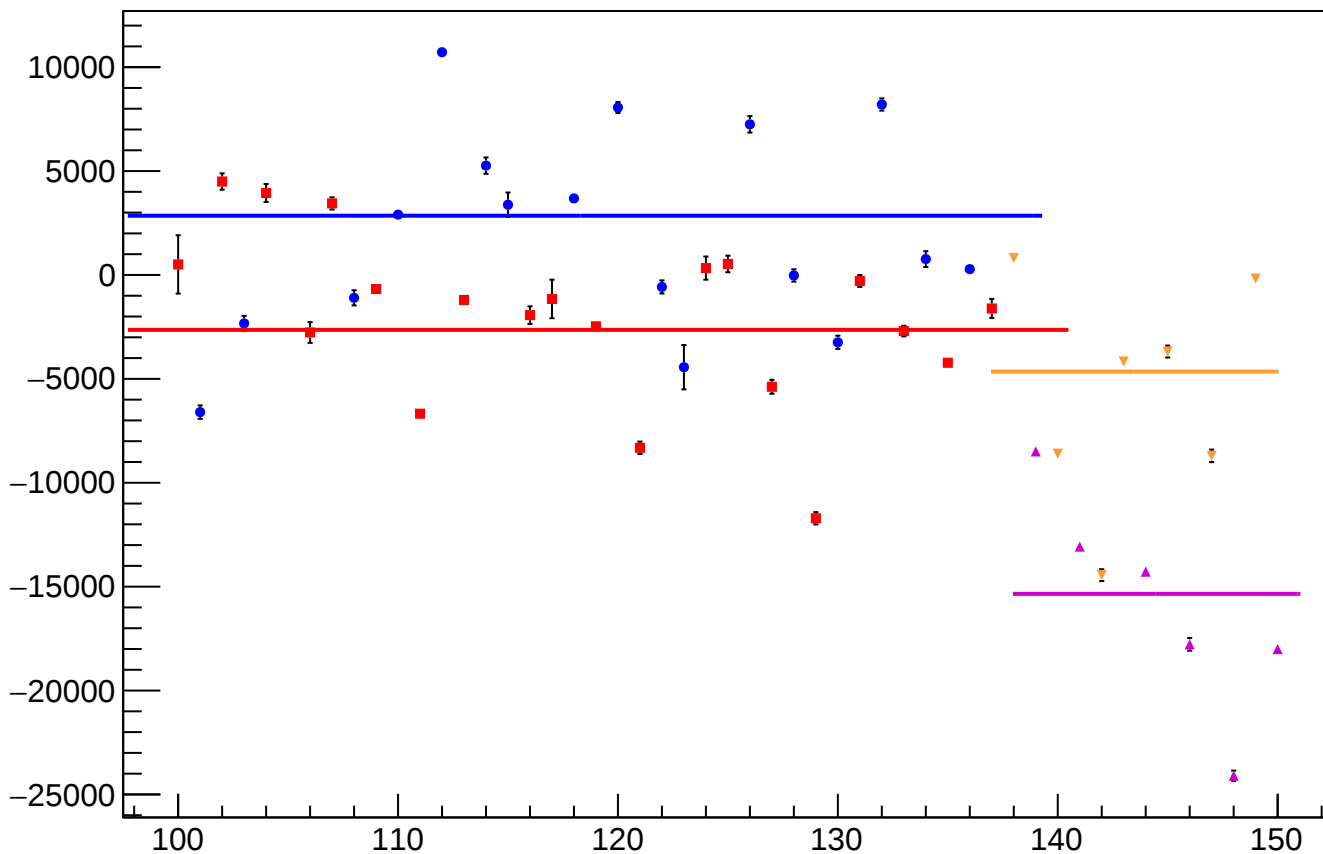
Left In: 201.795 +/- 0.066 χ^2/NDF : 224851.8/5

152.128 +/- 0.033 χ^2/NDF : 1671221.3/23

150.603 +/- 0.023 χ^2/NDF : 3562063.1/49

149.168 +/- 0.032 χ^2/NDF : 1886758.9/25

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2851.437 ± 70.753 $\chi^2/\text{NDF}: 4178.1/16$

Left Out: -4649.754 ± 91.699 $\chi^2/\text{NDF}: 2844.6/6$

Right Out: -2641.642 ± 65.566 $\chi^2/\text{NDF}: 3178.3/19$

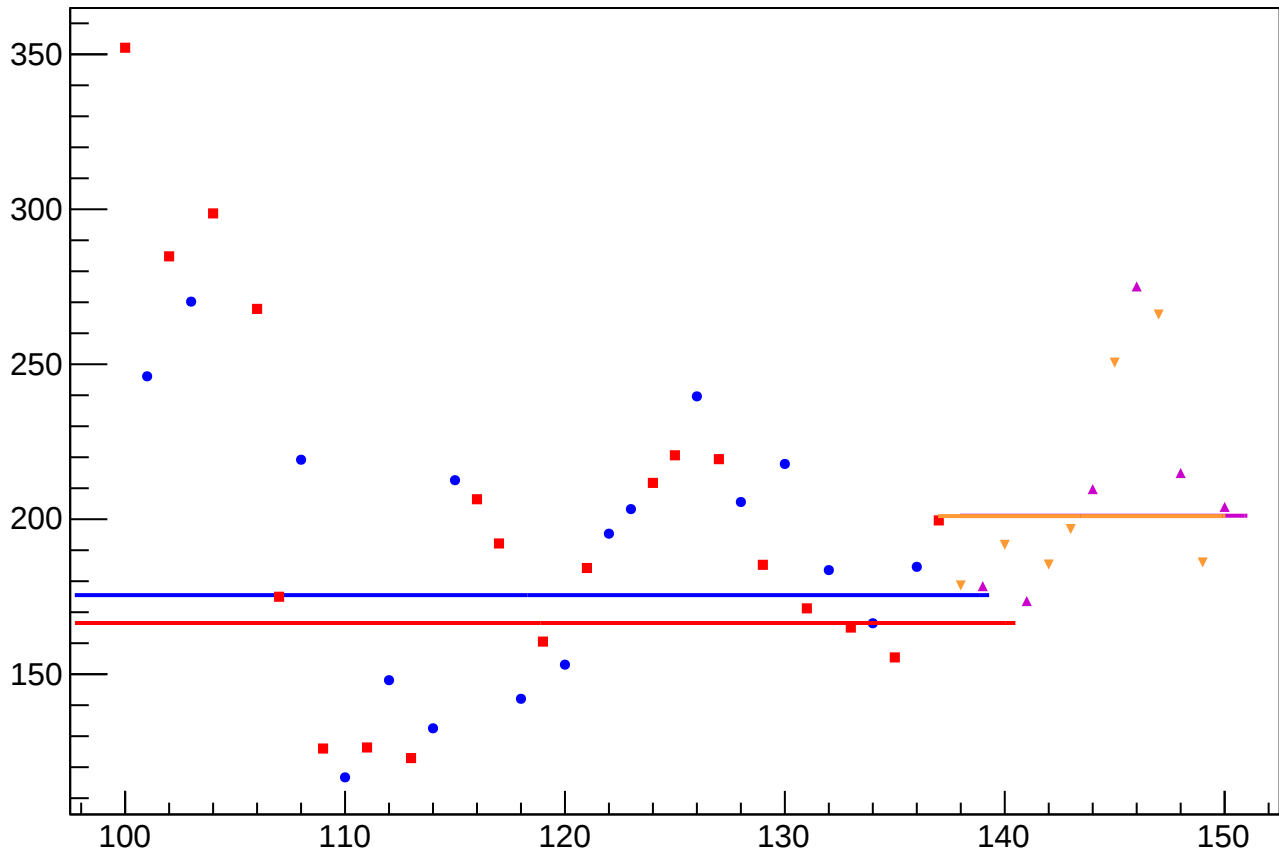
Left In: -15346.210 ± 92.839 $\chi^2/\text{NDF}: 2640.5/5$

52.174 ± 56.017 $\chi^2/\text{NDF}: 11217.3/23$

-3564.008 ± 38.711 $\chi^2/\text{NDF}: 37507.4/49$

-6869.464 ± 53.556 $\chi^2/\text{NDF}: 18313.5/25$

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 175.514 +/- 0.050 χ^2/NDF : 689642.3/16

Left Out: 201.008 +/- 0.065 χ^2/NDF : 195118.2/6

Right Out: 166.522 +/- 0.046 χ^2/NDF : 931079.9/19

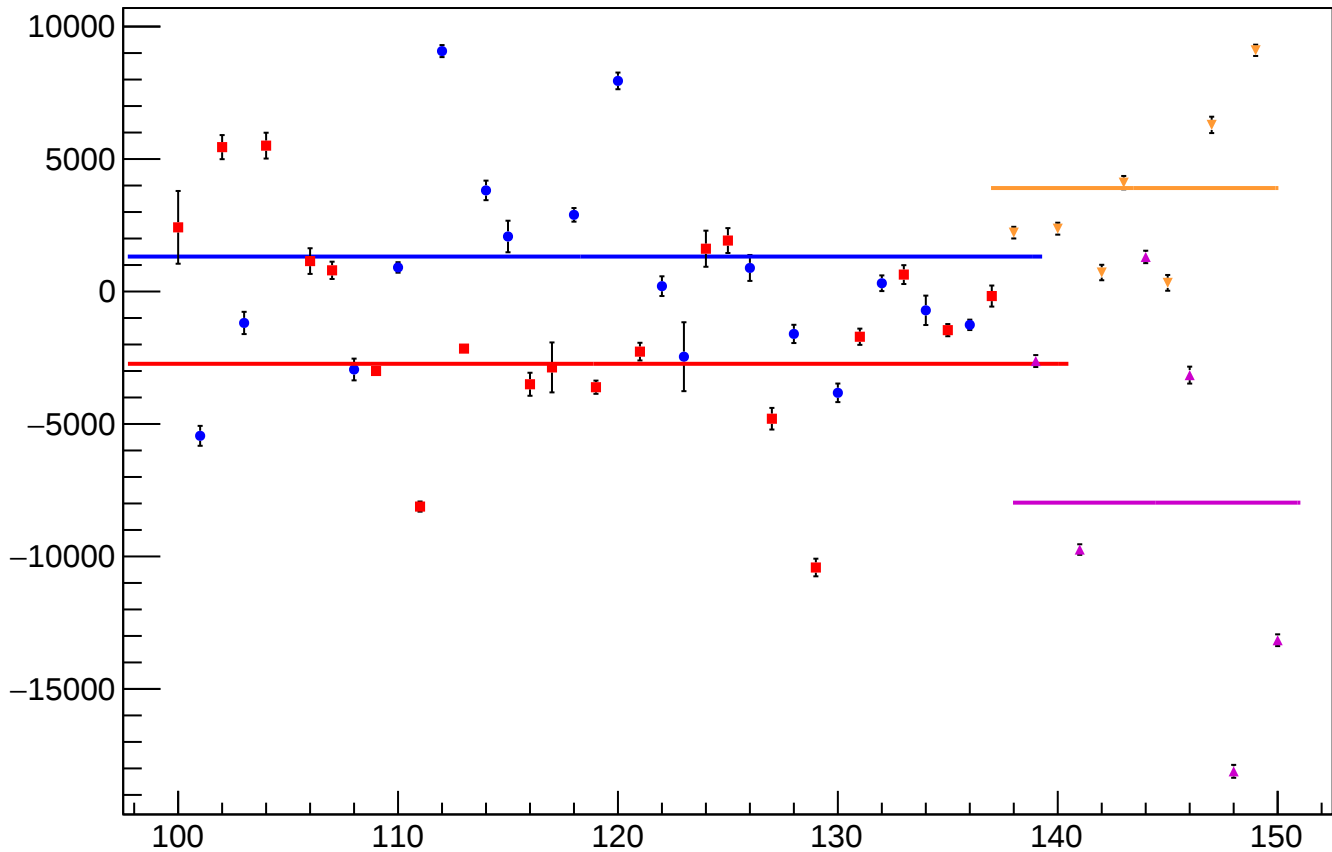
Left In: 201.135 +/- 0.066 χ^2/NDF : 189500.5/5

185.028 +/- 0.040 χ^2/NDF : 981661.9/23

181.378 +/- 0.027 χ^2/NDF : 2303984.4/49

178.041 +/- 0.038 χ^2/NDF : 1306065.1/25

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 3905.031+/-94.709 χ^2/NDF :1023.6/6

Right Out: -2728.550+/-69.837 χ^2/NDF : 2495.9/19

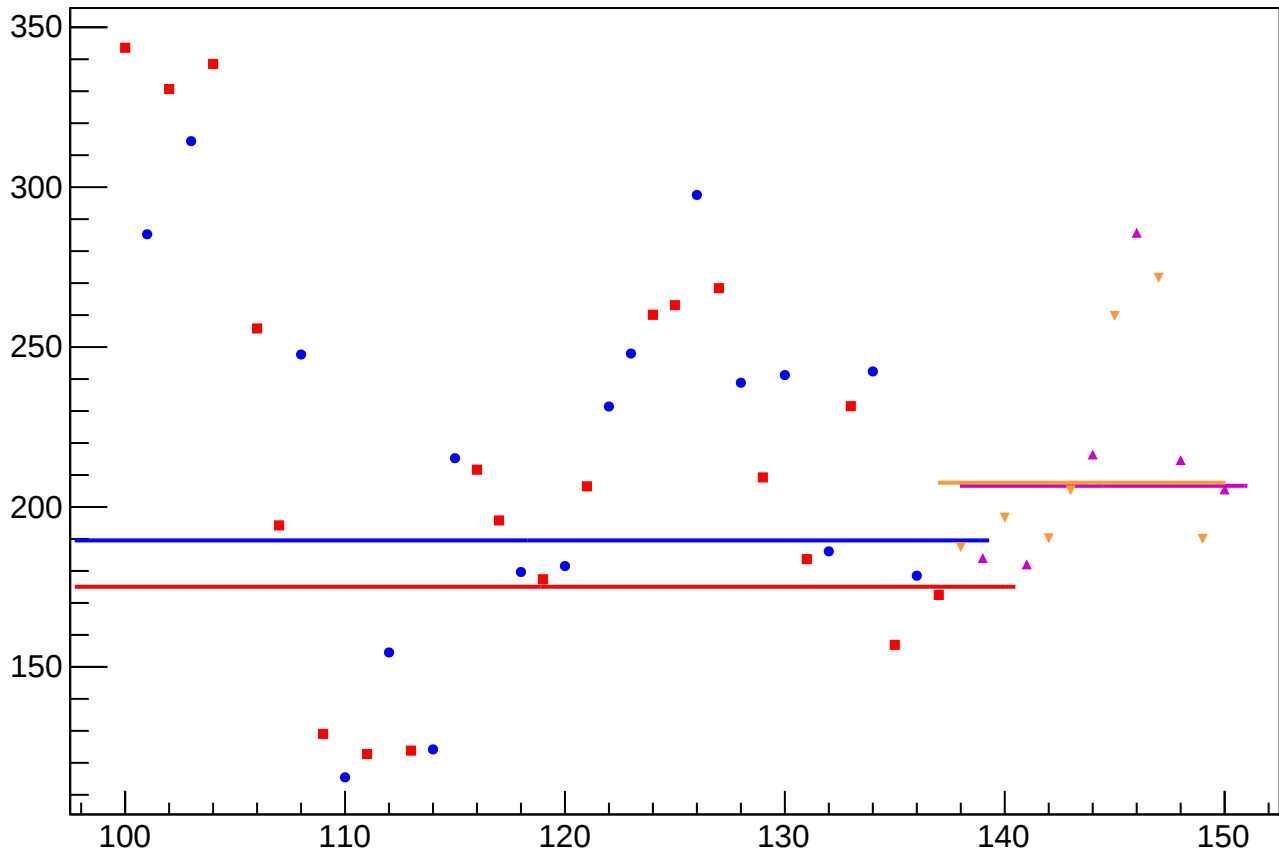
Left In: -7969.050+/-95.367 χ^2/NDF :4702.9/5

2350.463+/-59.814 χ^2/NDF : 4138.8/23

-1309.810+/-41.013 χ^2/NDF : 20371.0/49

-4557.830+/-56.345 χ^2/NDF : 9164.4/25

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 207.587 $\pm$ 0.067 χ^2 /NDF: 189657.2/6

Right Out: 175.058 $\pm$ 0.049 χ^2 /NDF: 1298079.7/19

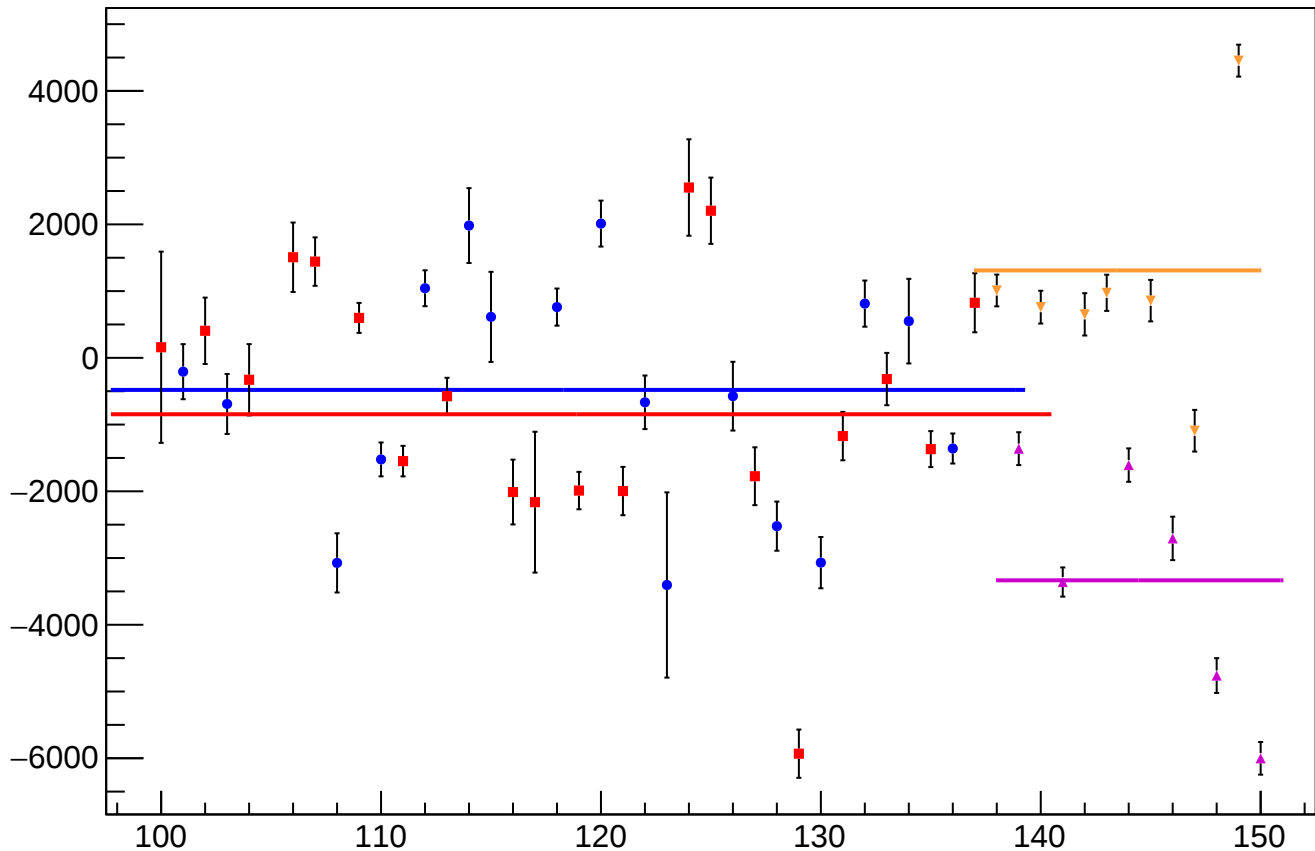
Left In: 206.629 $\pm$ 0.067 χ^2 /NDF: 178878.3/5

196.741 $\pm$ 0.042 χ^2 /NDF: 1214035.9/23

191.092 $\pm$ 0.029 χ^2 /NDF: 2867341.7/49

186.078 $\pm$ 0.040 χ^2 /NDF: 1619632.4/25

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -480.578 ± 88.640 $\chi^2/\text{NDF}: 290.7/16$

Left Out: 1310.206 ± 102.150 $\chi^2/\text{NDF}: 246.4/6$

Right Out: -845.444 ± 81.995 $\chi^2/\text{NDF}: 436.9/19$

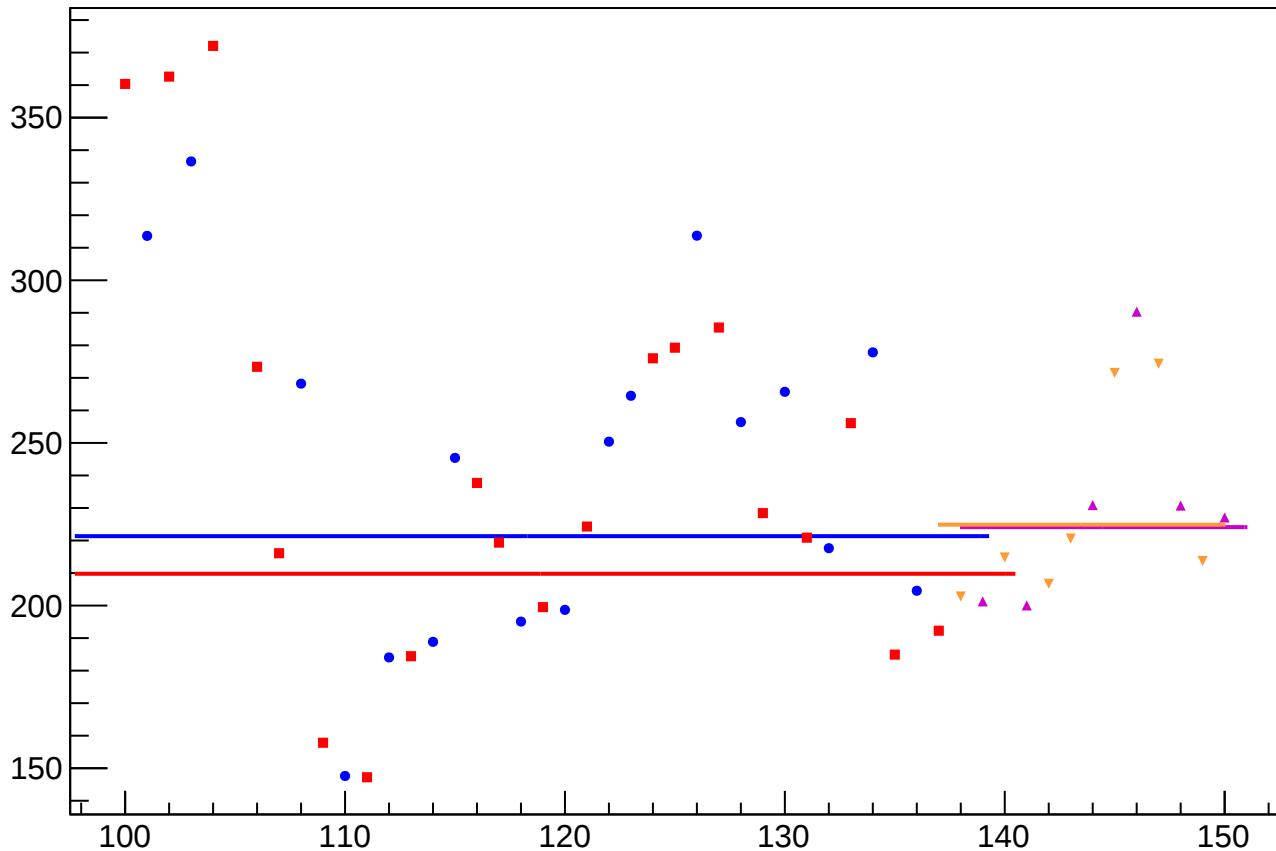
Left In: -3333.815 ± 103.011 $\chi^2/\text{NDF}: 264.1/5$

288.644 ± 66.949 $\chi^2/\text{NDF}: 712.4/23$

-805.706 ± 46.320 $\chi^2/\text{NDF}: 2283.1/49$

-1810.556 ± 64.153 $\chi^2/\text{NDF}: 1058.2/25$

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.342 +/- 0.063 χ^2/NDF : 645688.1/16

Left Out: 224.873 +/- 0.072 χ^2/NDF : 127286.3/6

Right Out: 209.775 +/- 0.058 χ^2/NDF : 884083.7/19

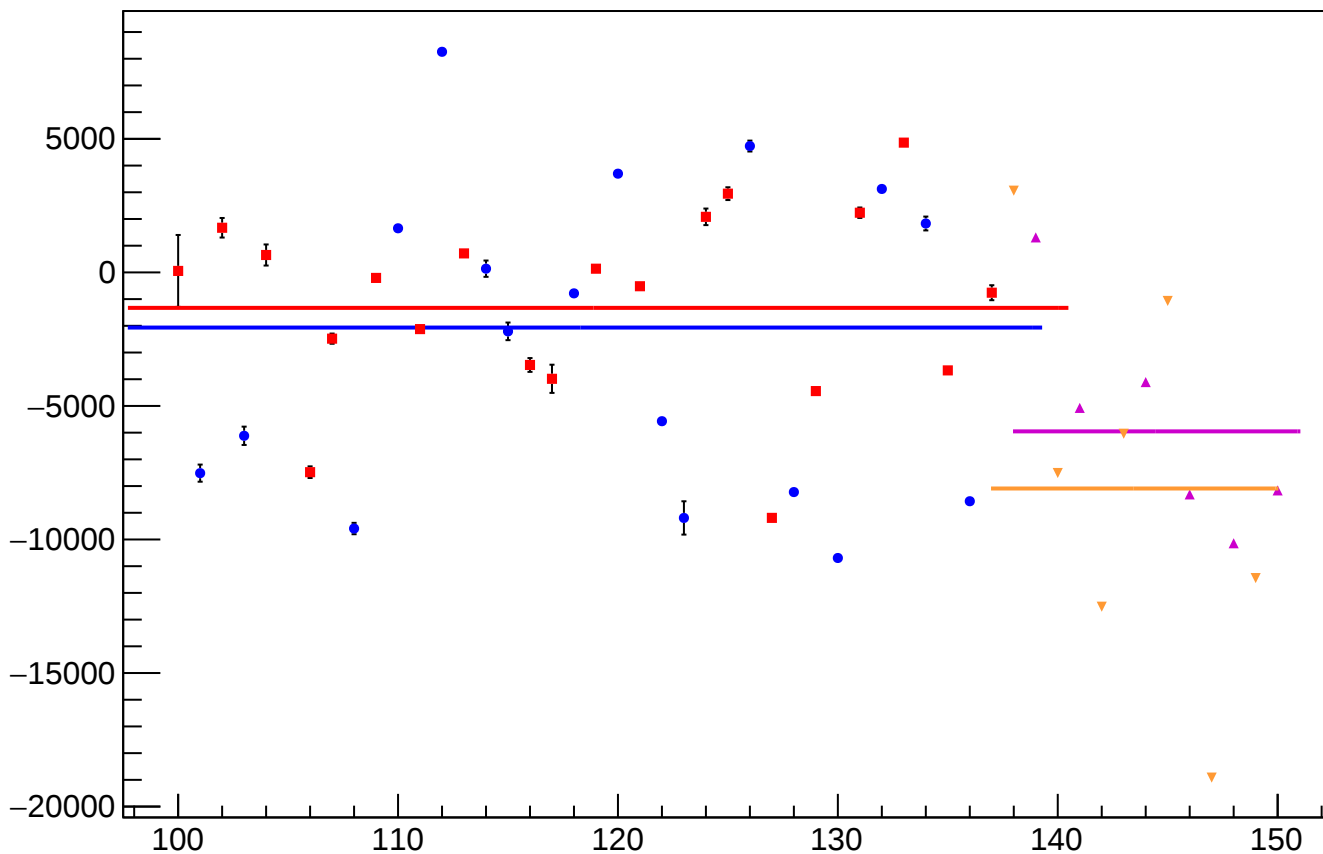
Left In: 224.119 +/- 0.073 χ^2/NDF : 127352.1/5

222.859 +/- 0.047 χ^2/NDF : 774337.3/23

218.938 +/- 0.033 χ^2/NDF : 1822669.0/49

215.338 +/- 0.045 χ^2/NDF : 1035174.8/25

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.160 $\pm$ 47.322 χ^2/NDF : 16533.3/16

Left Out: -8091.079 $\pm$ 48.909 χ^2/NDF : 19866.3/6

Right Out: -1327.819 $\pm$ 44.838 χ^2/NDF : 5919.9/19

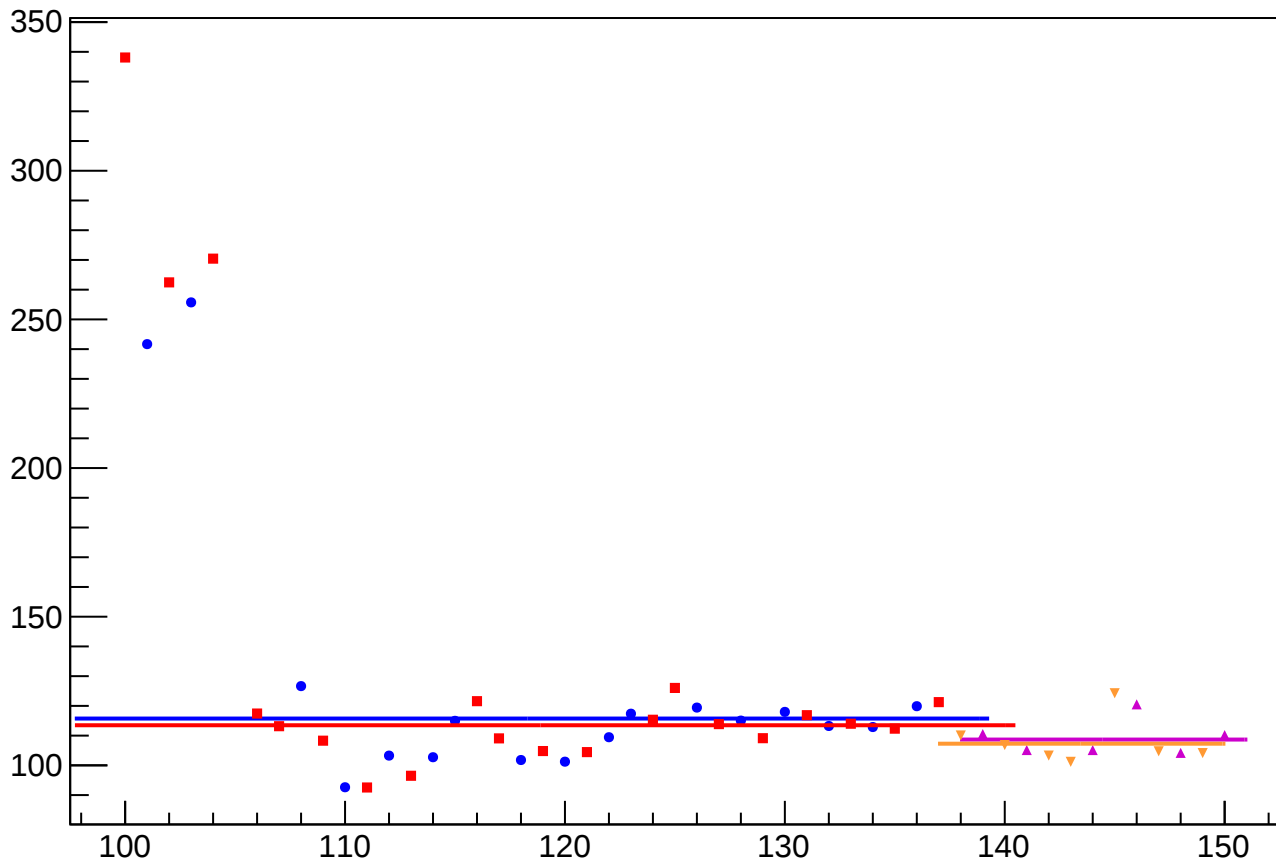
Left In: -5952.278 $\pm$ 49.901 χ^2/NDF : 5060.7/5

-4978.771 $\pm$ 34.009 χ^2/NDF : 44239.7/23

-4170.739 $\pm$ 23.812 χ^2/NDF : 61079.4/49

-3393.609 $\pm$ 33.352 χ^2/NDF : 15732.3/25

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 ± 0.033 χ^2/NDF : 744017.7/16

Left Out: 107.282 ± 0.035 χ^2/NDF : 37087.9/6

Right Out: 113.487 ± 0.032 χ^2/NDF : 796781.7/19

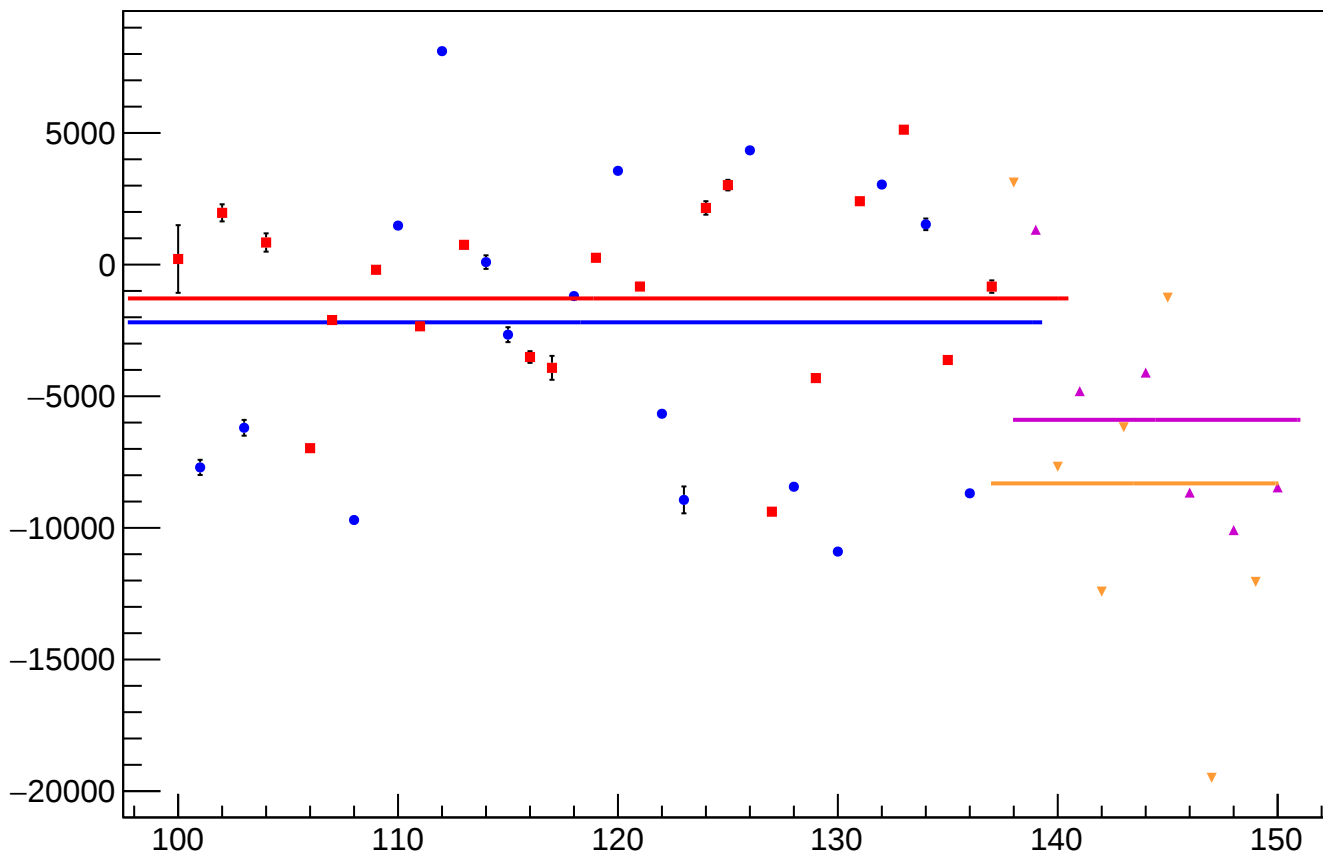
Left In: 108.673 ± 0.035 χ^2/NDF : 22739.8/5

111.651 ± 0.024 χ^2/NDF : 812000.9/23

111.491 ± 0.017 χ^2/NDF : 1641908.6/49

111.336 ± 0.024 χ^2/NDF : 829820.6/25

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2192.327 $\pm$ 39.944 χ^2/NDF : 22813.5/16

Left Out: -8310.142 $\pm$ 45.401 χ^2/NDF : 23755.9/6

Right Out: -1284.692 $\pm$ 37.915 χ^2/NDF : 8584.4/19

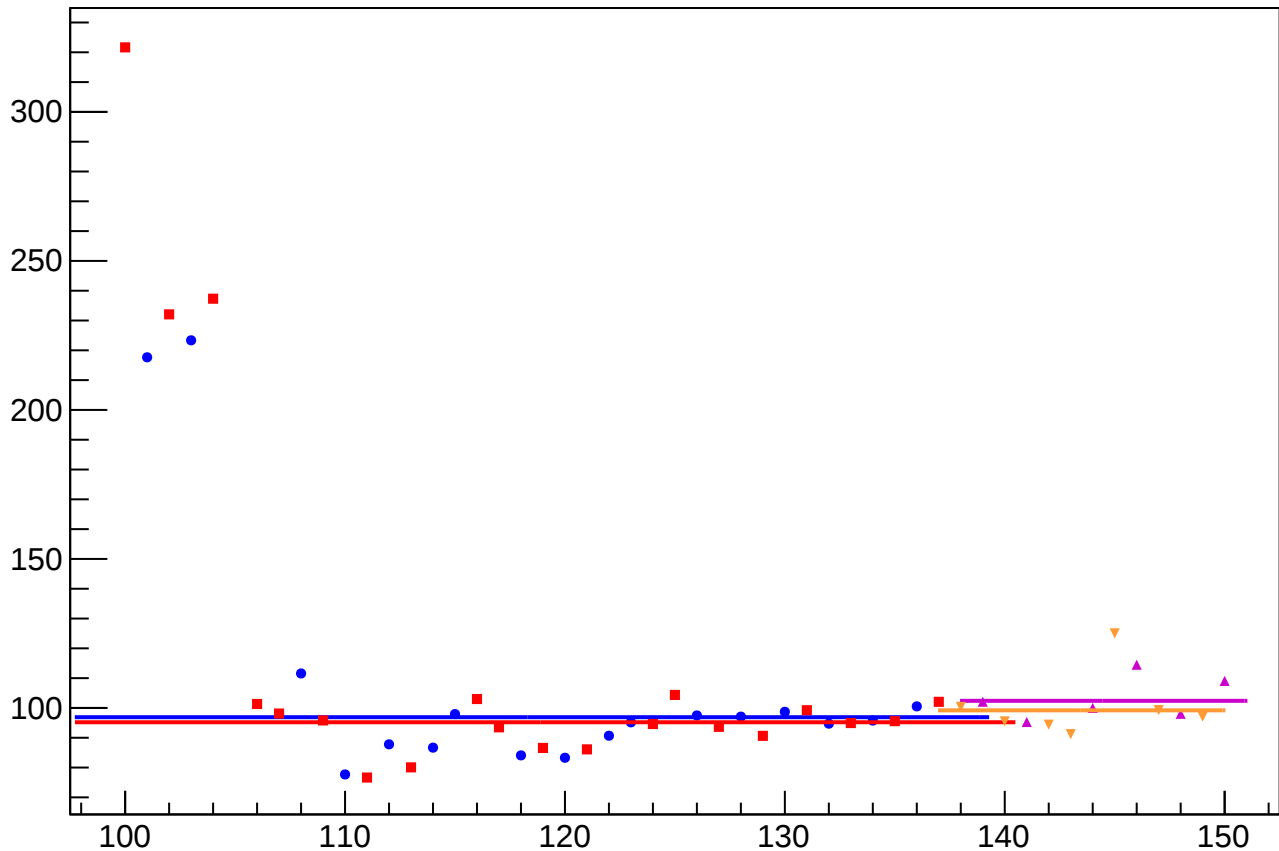
Left In: -5895.427 $\pm$ 47.117 χ^2/NDF : 6004.5/5

-4861.643 $\pm$ 29.989 χ^2/NDF : 56804.6/23

-3965.917 $\pm$ 21.045 χ^2/NDF : 78963.4/49

-3096.900 $\pm$ 29.539 χ^2/NDF : 20401.2/25

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 96.894 ± 0.028 $\chi^2/\text{NDF}: 817229.9/16$

Left Out: 99.196 ± 0.032 $\chi^2/\text{NDF}: 78873.8/6$

Right Out: 95.201 ± 0.027 $\chi^2/\text{NDF}: 859838.2/19$

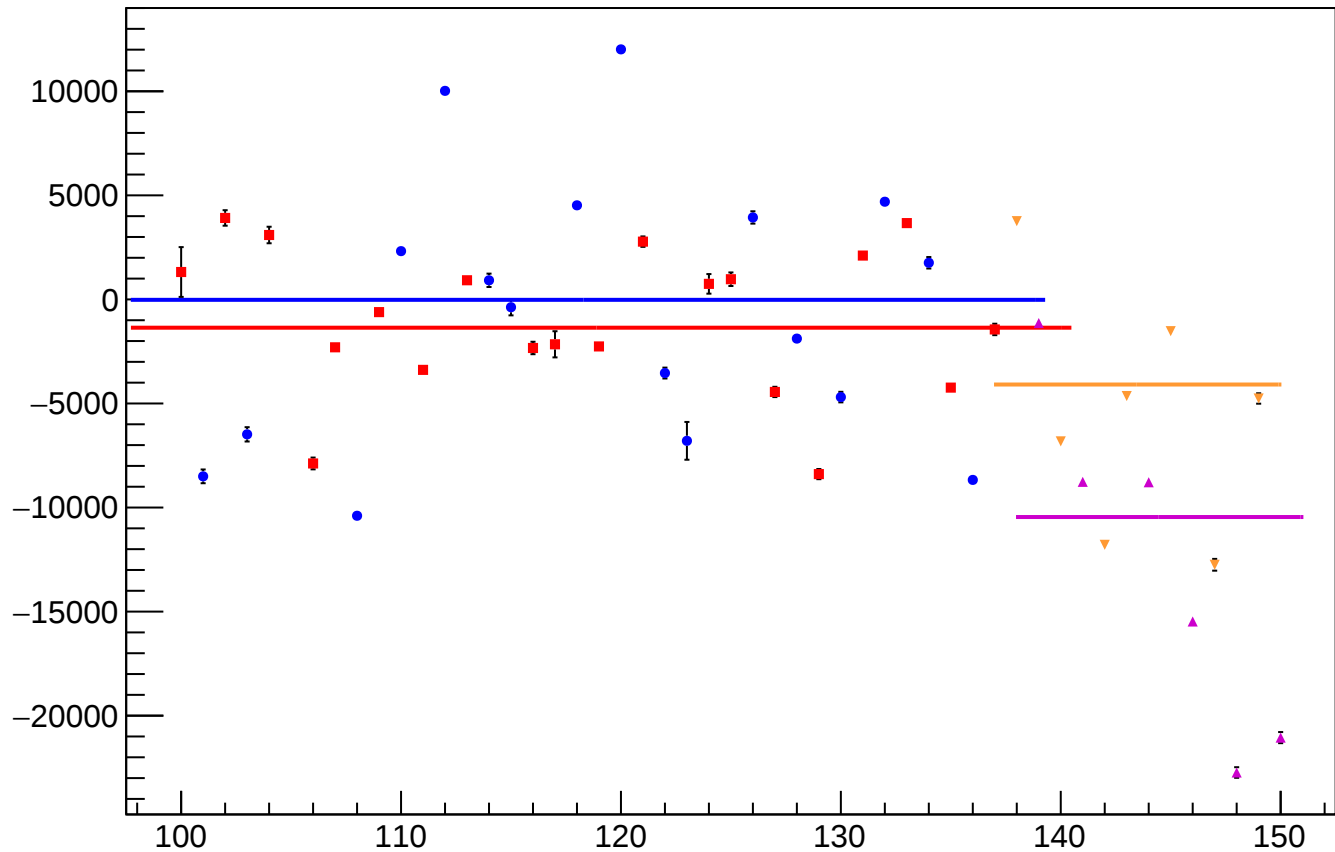
Left In: 102.391 ± 0.033 $\chi^2/\text{NDF}: 37453.4/5$

97.898 ± 0.021 $\chi^2/\text{NDF}: 899002.3/23$

97.964 ± 0.015 $\chi^2/\text{NDF}: 1824573.2/49$

98.027 ± 0.021 $\chi^2/\text{NDF}: 925552.2/25$

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -19.990 ± 54.643 χ^2/NDF : 16361.0/16

Left Out: -4089.082 ± 75.715 χ^2/NDF : 4924.0/6

Right Out: -1359.001 ± 52.186 χ^2/NDF : 3838.8/19

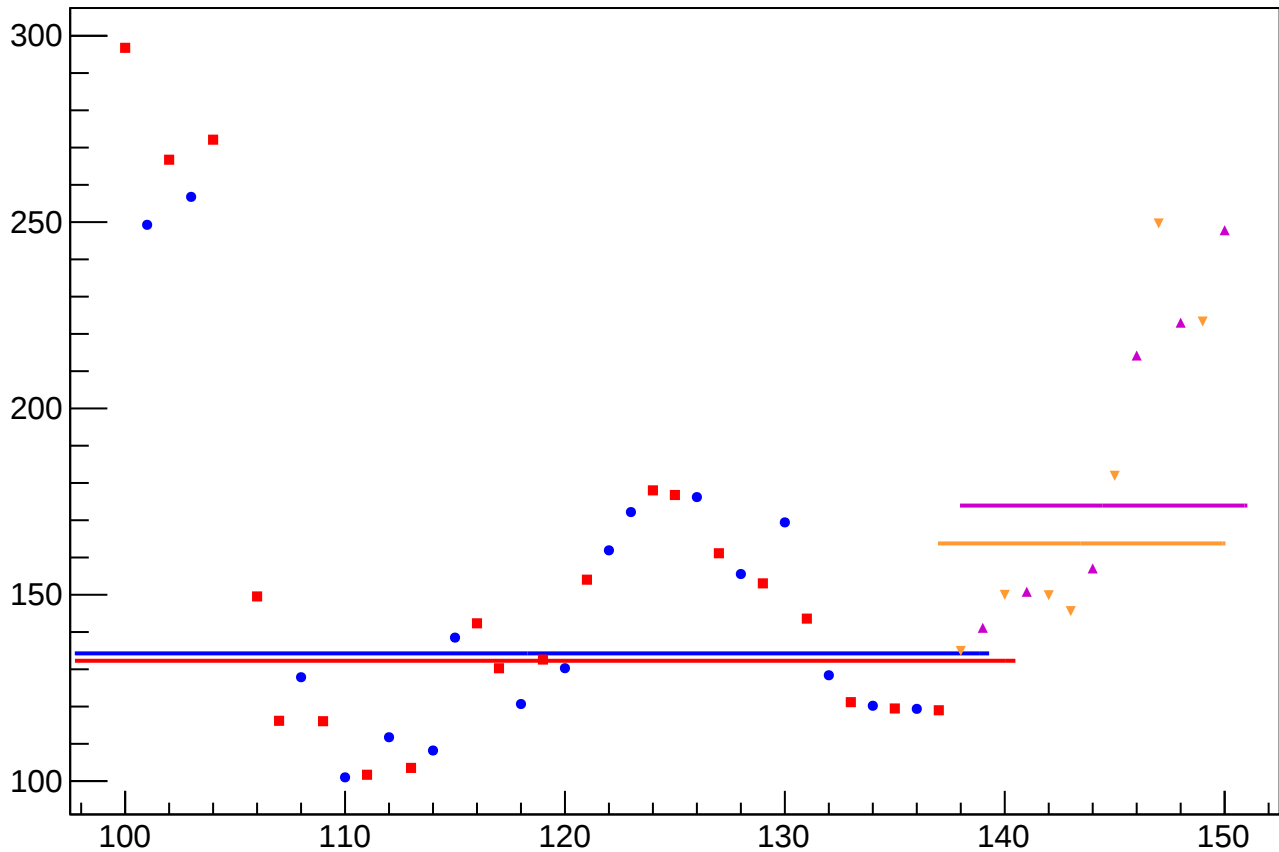
Left In: -10455.723 ± 81.378 χ^2/NDF : 7420.7/5

-1413.548 ± 44.309 χ^2/NDF : 23184.1/23

-2722.860 ± 31.196 χ^2/NDF : 45029.3/49

-4009.803 ± 43.929 χ^2/NDF : 20113.8/25

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 134.268 +/- 0.039 χ^2/NDF : 788647.0/16

Left Out: 163.770 +/- 0.054 χ^2/NDF : 419687.2/6

Right Out: 132.288 +/- 0.037 χ^2/NDF : 869913.4/19

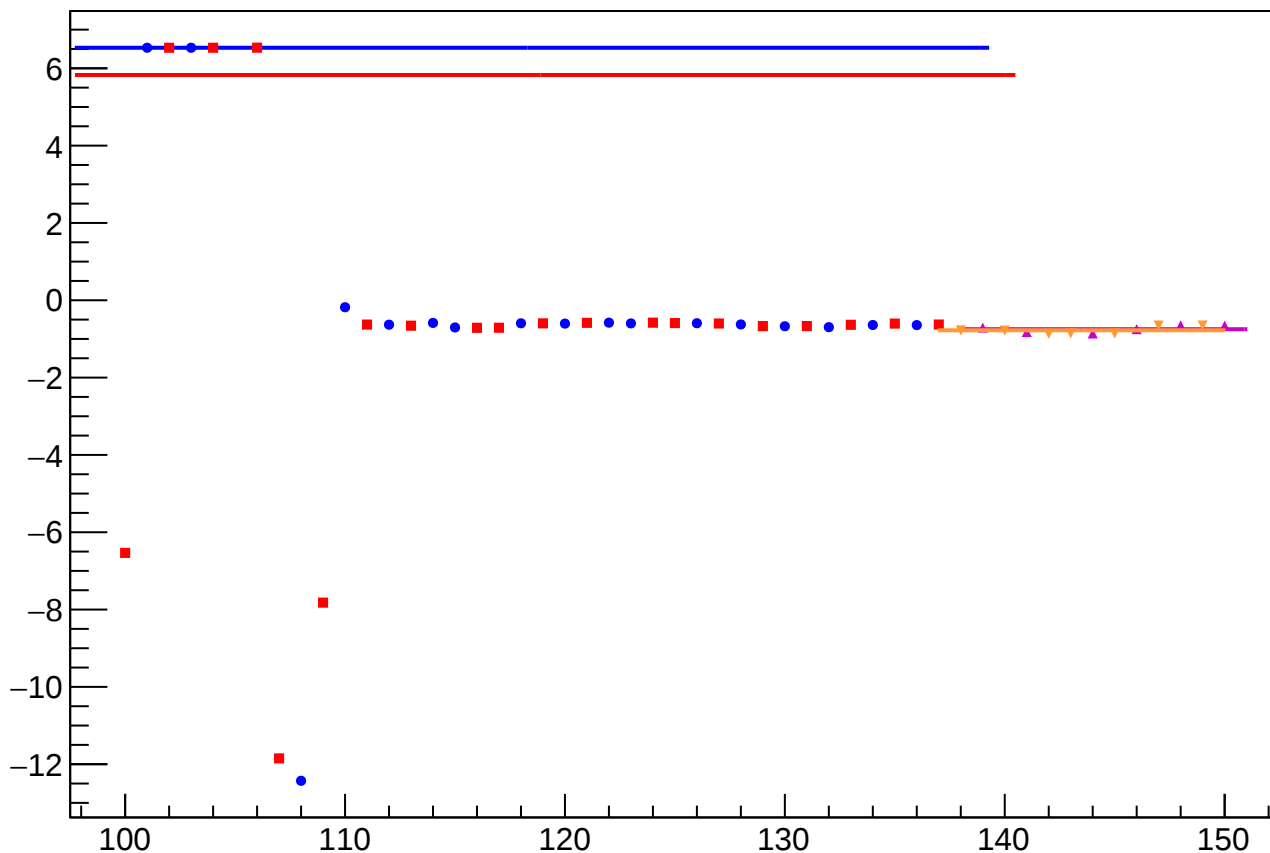
Left In: 173.935 +/- 0.058 χ^2/NDF : 414718.9/5

144.371 +/- 0.031 χ^2/NDF : 1407994.0/23

144.398 +/- 0.022 χ^2/NDF : 3063806.6/49

144.424 +/- 0.031 χ^2/NDF : 1655811.2/25

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127906780672.7/16

Left Out: -0.776 $\pm$ 0.000 χ^2 /NDF: 41157637.9/6

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755949520765363.8/19

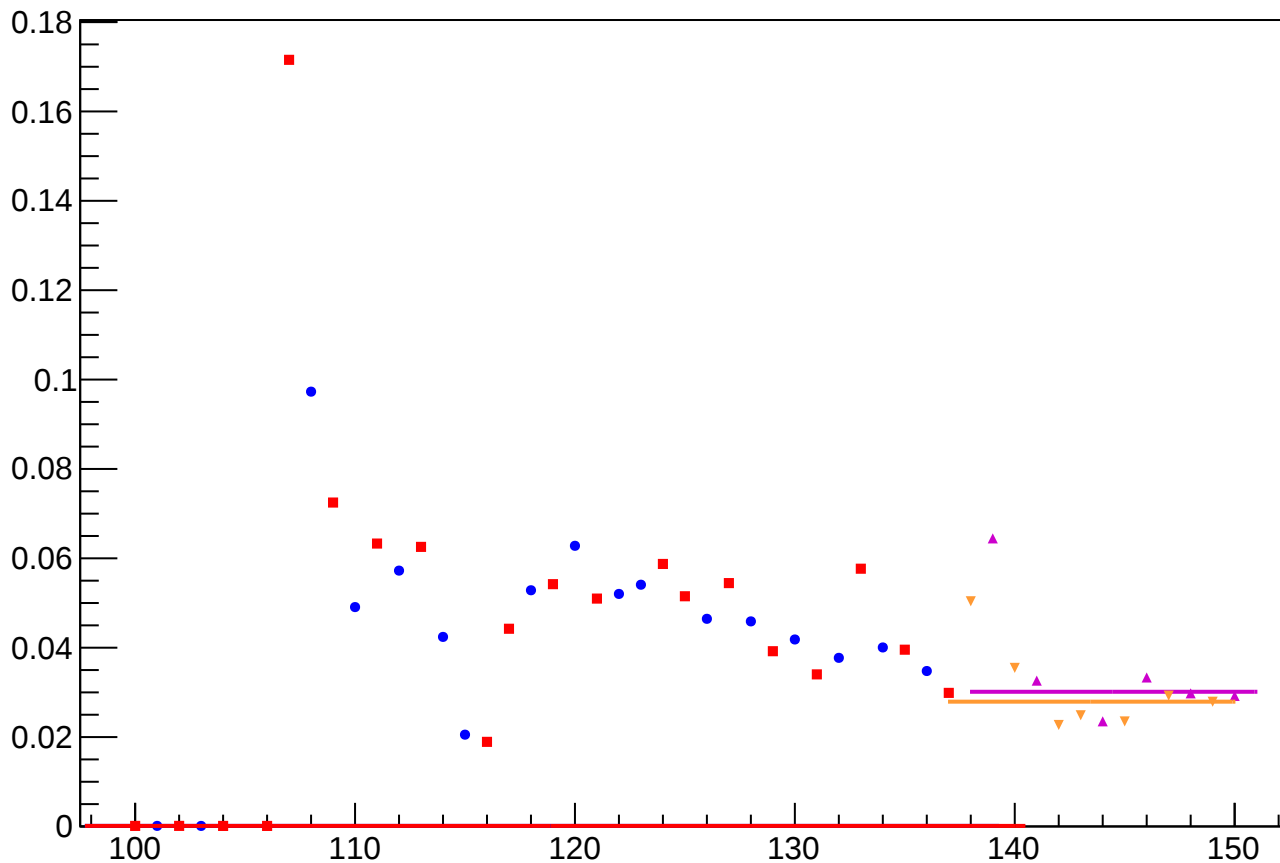
Left In: -0.748 $\pm$ 0.000 χ^2 /NDF: 32094044.0/5

6.531 $\pm$ 0.000 χ^2 /NDF: 374383986607.9/23

6.154 $\pm$ 0.000 χ^2 /NDF: 77649429224164

5.827 $\pm$ 0.000 χ^2 /NDF: 756123557787690.8/25

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.028 $\pm$ 0.000 χ^2/NDF : 376527.7/6

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 9453181.1/19

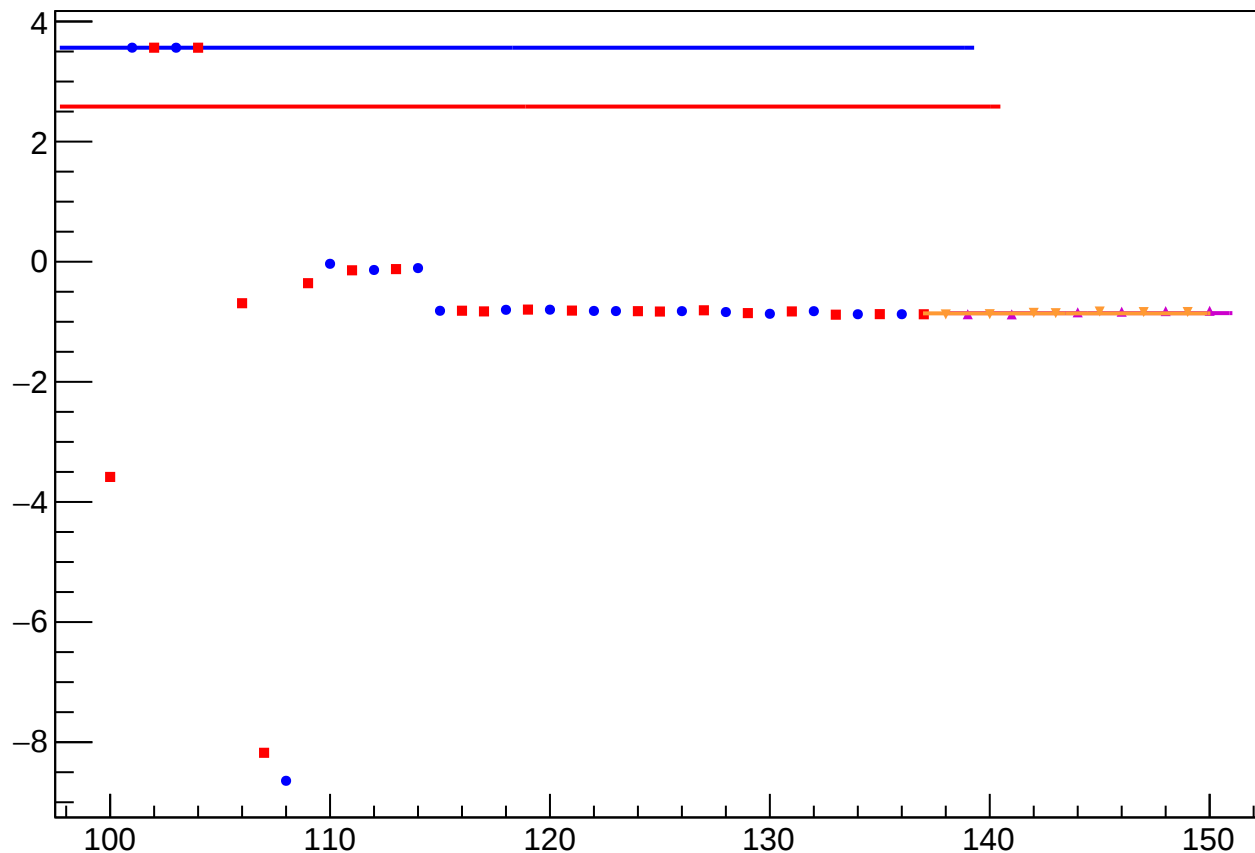
Left In: 0.030 $\pm$ 0.000 χ^2/NDF : 491246.2/5

0.000 $\pm$ 0.000 χ^2/NDF : 16537484.8/23

0.000 $\pm$ 0.000 χ^2/NDF : 33732232.4/49

0.000 $\pm$ 0.000 χ^2/NDF : 17194406.6/25

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.860+/-0.000 χ^2/NDF : 15061873.5/6

Right Out: 2.583+/-0.000 χ^2/NDF : 1253506756008351.0/19

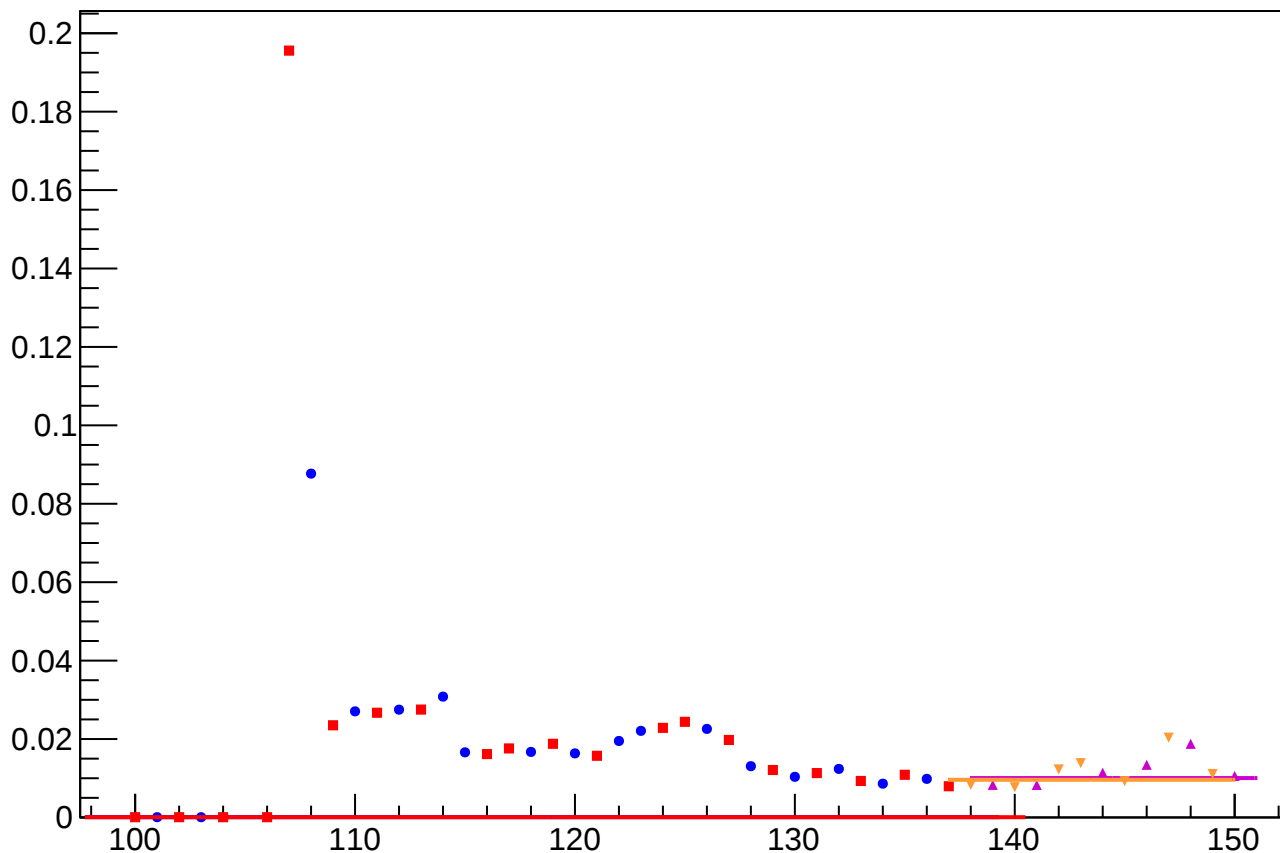
Left In: -0.856+/-0.000 χ^2/NDF : 20894973.8/5

3.563+/-0.000 χ^2/NDF : 1275706643843.0/23

3.040+/-0.000 χ^2/NDF : 13834323219445

2.583+/-0.000 χ^2/NDF : 1253938411311261.5/2

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 : 637407.5/6

Right Out: 0.000+/-0.000 χ^2/NDF : 9955781.5/19

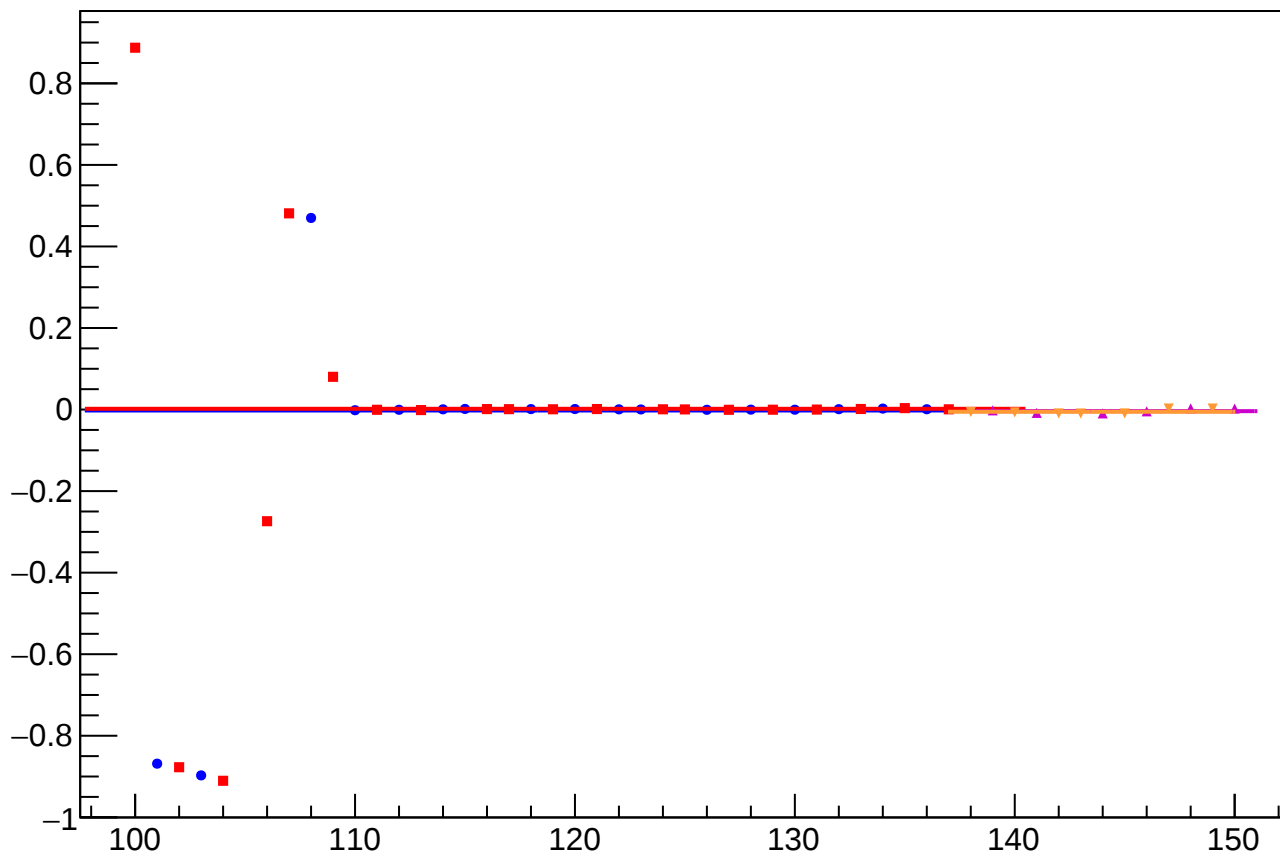
Left In: 0.010+/-0.000 χ^2/NDF : 519328.7/5

0.000+/-0.000 χ^2/NDF : 17822081.3/23

0.000+/-0.000 χ^2/NDF : 35561265.5/49

0.000+/-0.000 χ^2/NDF : 17738743.3/25

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF : 9795424036.3/16

Left Out: -0.005+/-0.000 χ^2/NDF : 47458202.3/6

Right Out: 0.002+/-0.000 χ^2/NDF : 3041335141.0/19

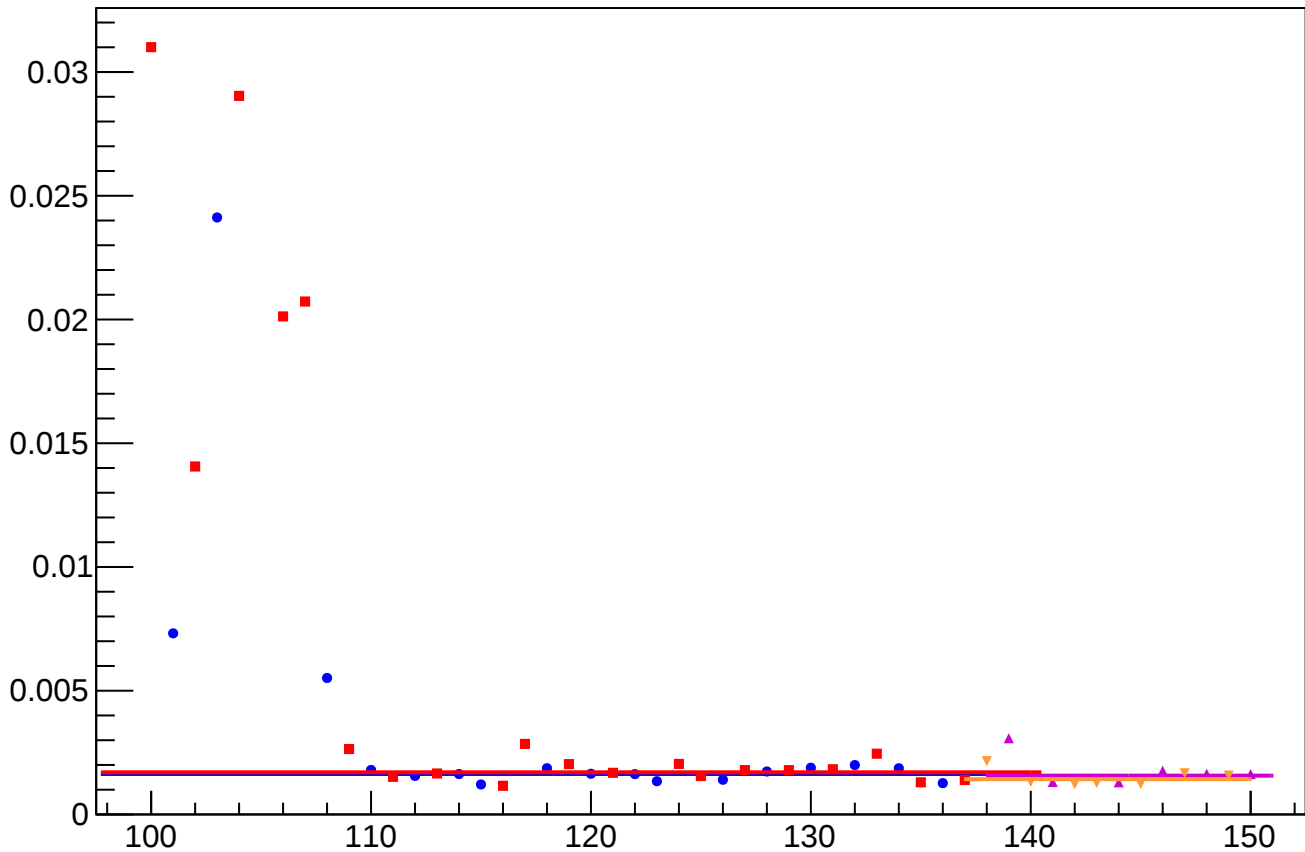
Left In: -0.004+/-0.000 χ^2/NDF : 40075133.8/5

-0.004+/-0.000 χ^2/NDF : 9851250868.6/23

-0.003+/-0.000 χ^2/NDF : 12971566650.4/4

-0.001+/-0.000 χ^2/NDF : 3106901765.9/25

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1919127.9/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 239297.3/6

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3038397.4/19

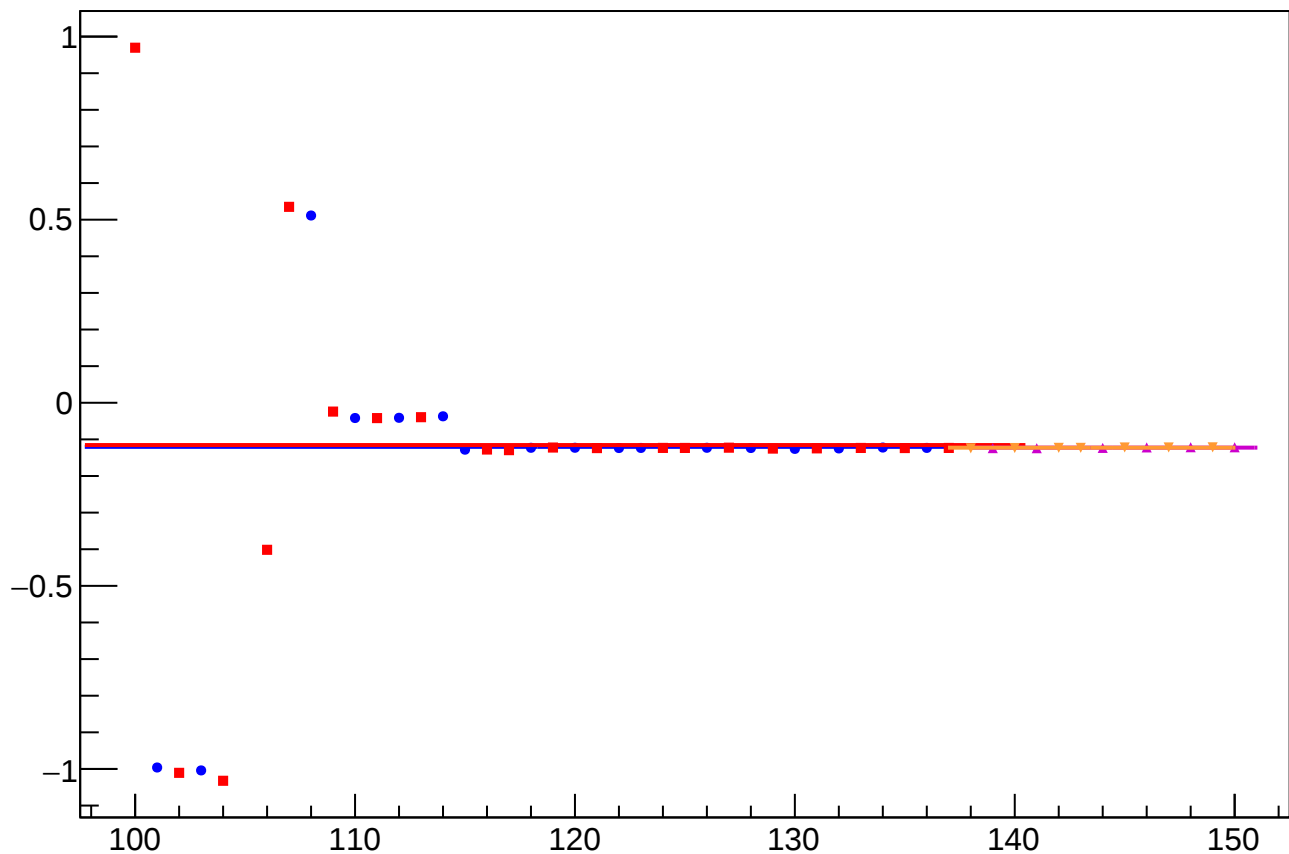
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 444251.9/5

0.002 $\pm$ 0.000 χ^2 /NDF: 2234983.4/23

0.002 $\pm$ 0.000 χ^2 /NDF: 5783513.9/49

0.002 $\pm$ 0.000 χ^2 /NDF: 3510695.4/25

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.123+/-0.000 χ^2/NDF : 2750361.0/6

Right Out: -0.115+/-0.000 χ^2/NDF : 2458720596.9/19

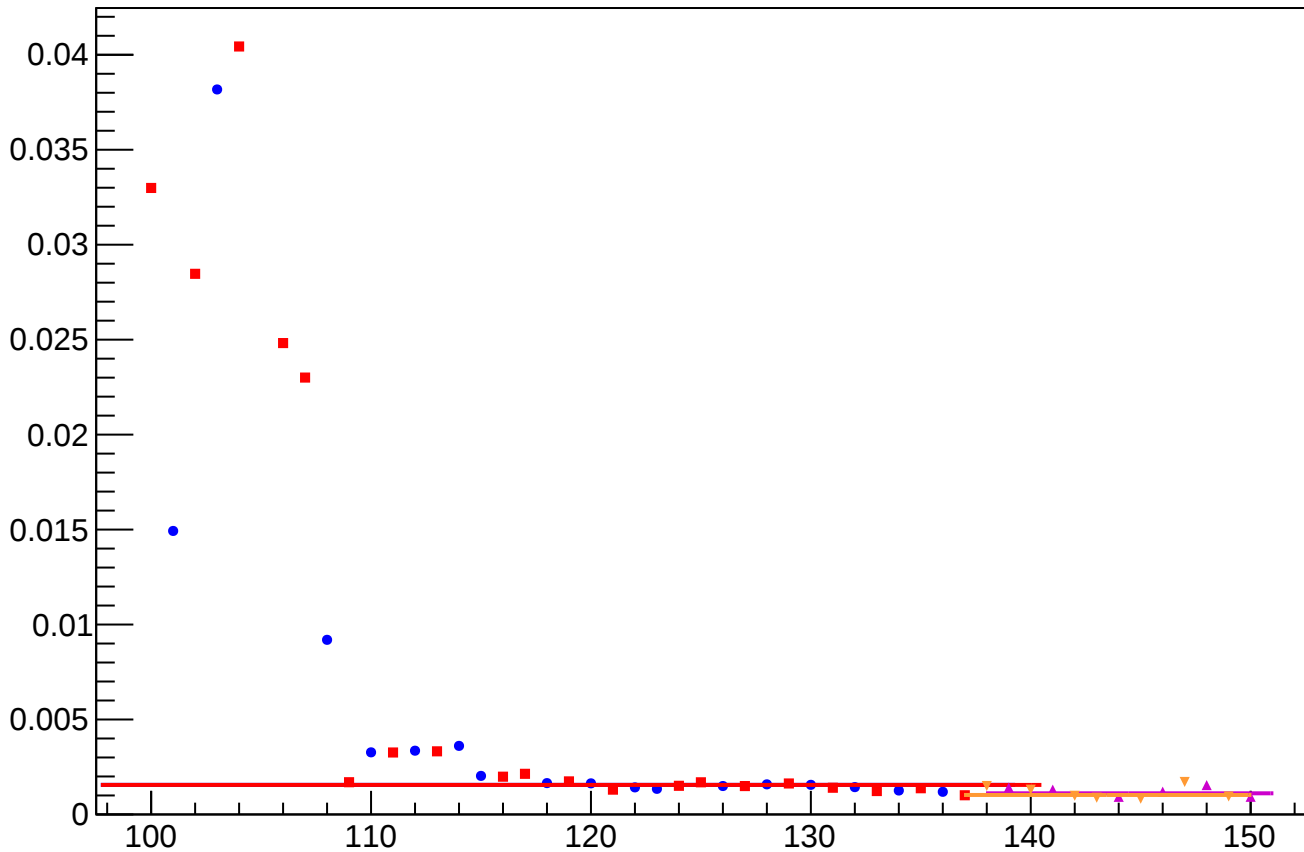
Left In: -0.123+/-0.000 χ^2/NDF : 3548632.8/5

-0.122+/-0.000 χ^2/NDF : 3941860031.4/23

-0.121+/-0.000 χ^2/NDF : 6475246116.6/49

-0.120+/-0.000 χ^2/NDF : 2523497307.7/25

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:558617.8/6

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3544377.2/19

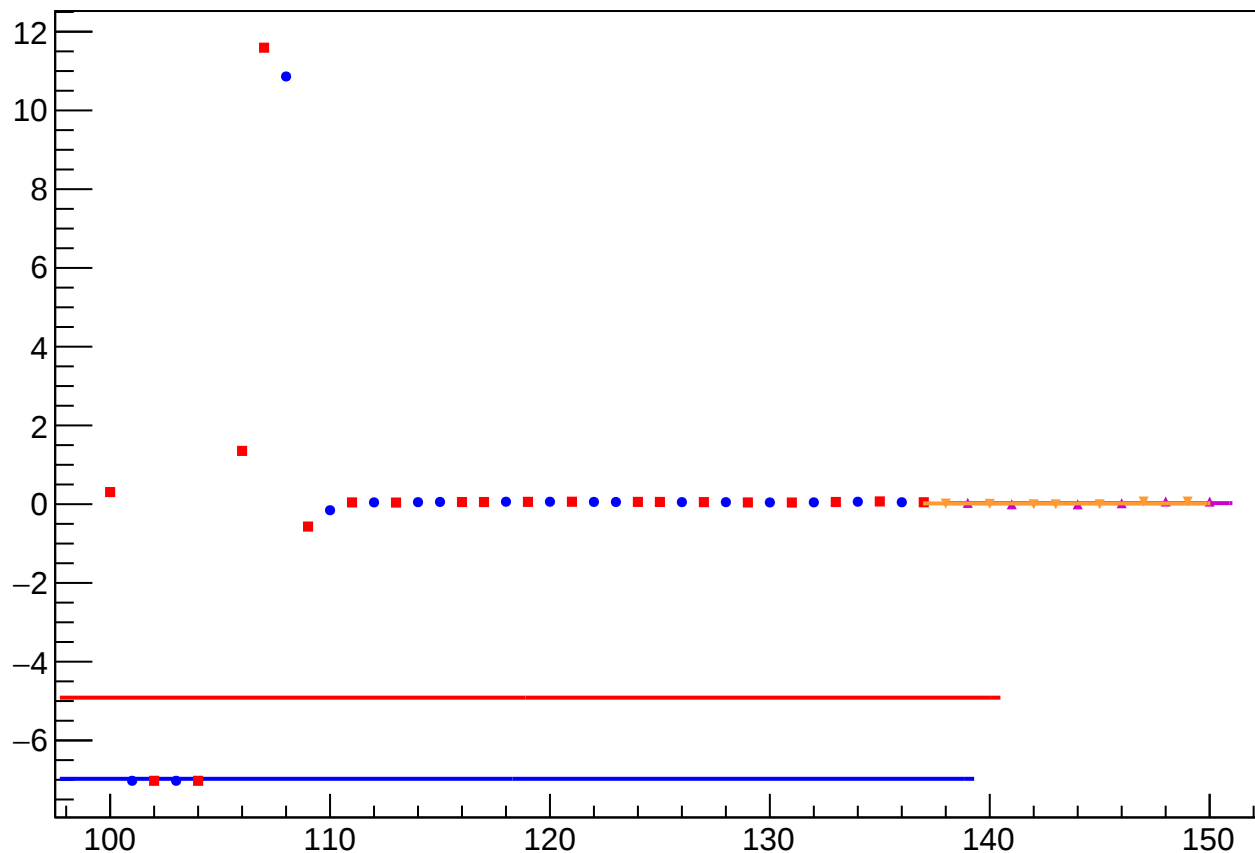
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:344660.6/5

0.001 $\pm$ 0.000 χ^2 /NDF: 4196855.1/23

0.001 $\pm$ 0.000 χ^2 /NDF: 8598179.0/49

0.001 $\pm$ 0.000 χ^2 /NDF: 4369056.1/25

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.019+/-0.000 χ^2/NDF : 47093069.6/6

Right Out: -4.914+/-0.000 χ^2/NDF : 365366243956054.8/19

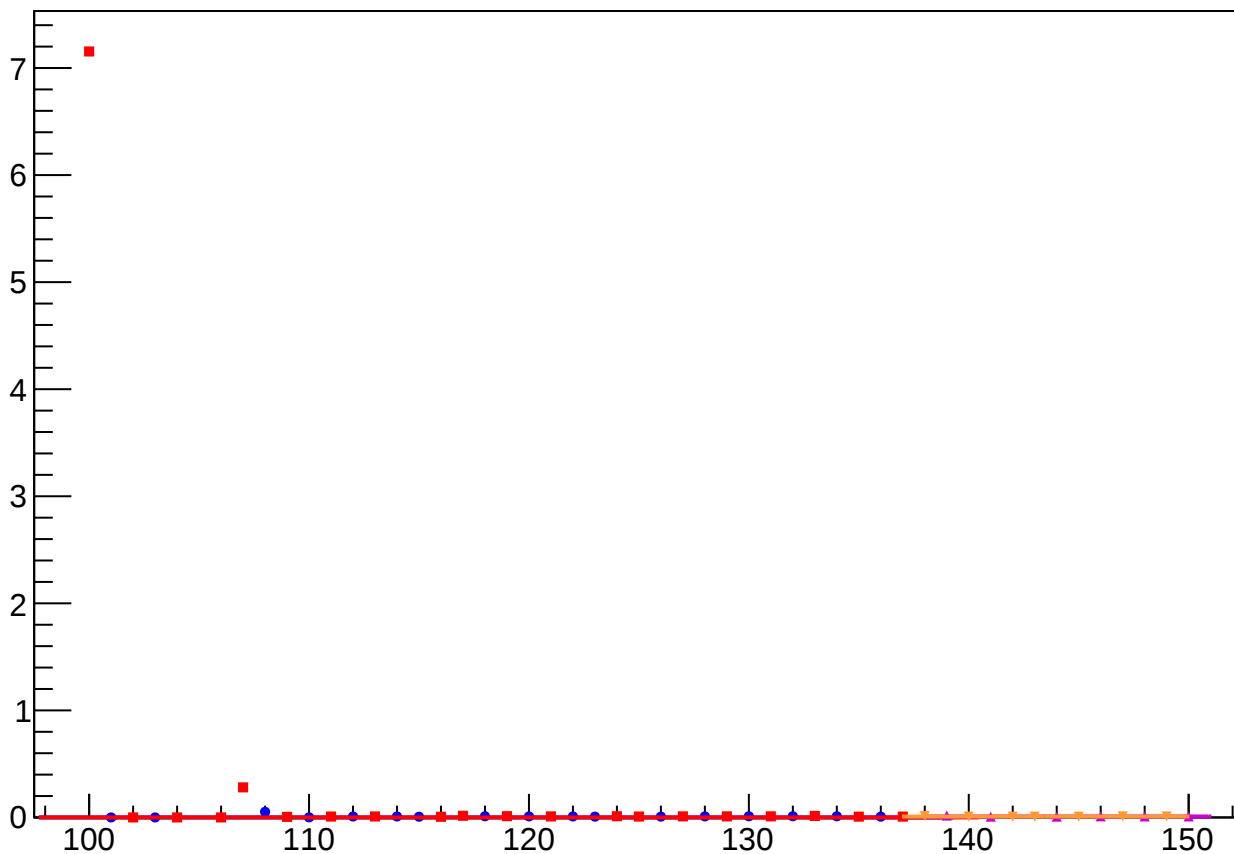
Left In: 0.026+/-0.000 χ^2/NDF : 42934841.4/5

-6.961+/-0.000 χ^2/NDF : 11292280414518.8/23

-5.889+/-0.000 χ^2/NDF : 43368211503130

-4.906+/-0.000 χ^2/NDF : 366438158061168.2/2

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8362763.6/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:242372.9/6

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8880914.4/19

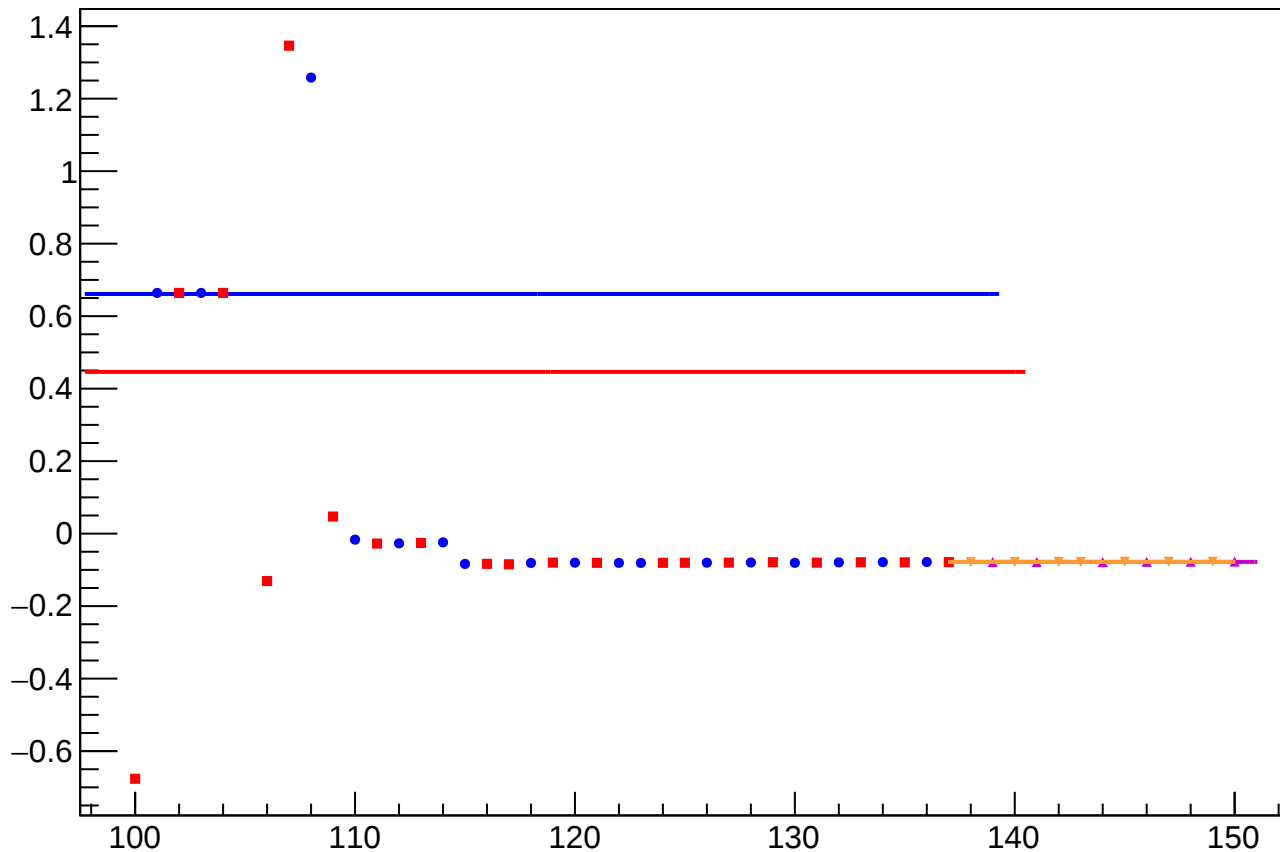
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:444726.9/5

0.000 $\pm$ 0.000 χ^2 /NDF: 15549820.4/23

0.000 $\pm$ 0.000 χ^2 /NDF: 31965823.4/49

0.000 $\pm$ 0.000 χ^2 /NDF: 16415110.9/25

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 : 3266571.1/6

Right Out: 0.446+/-0.000 χ^2/NDF : 405434749783850.4/19

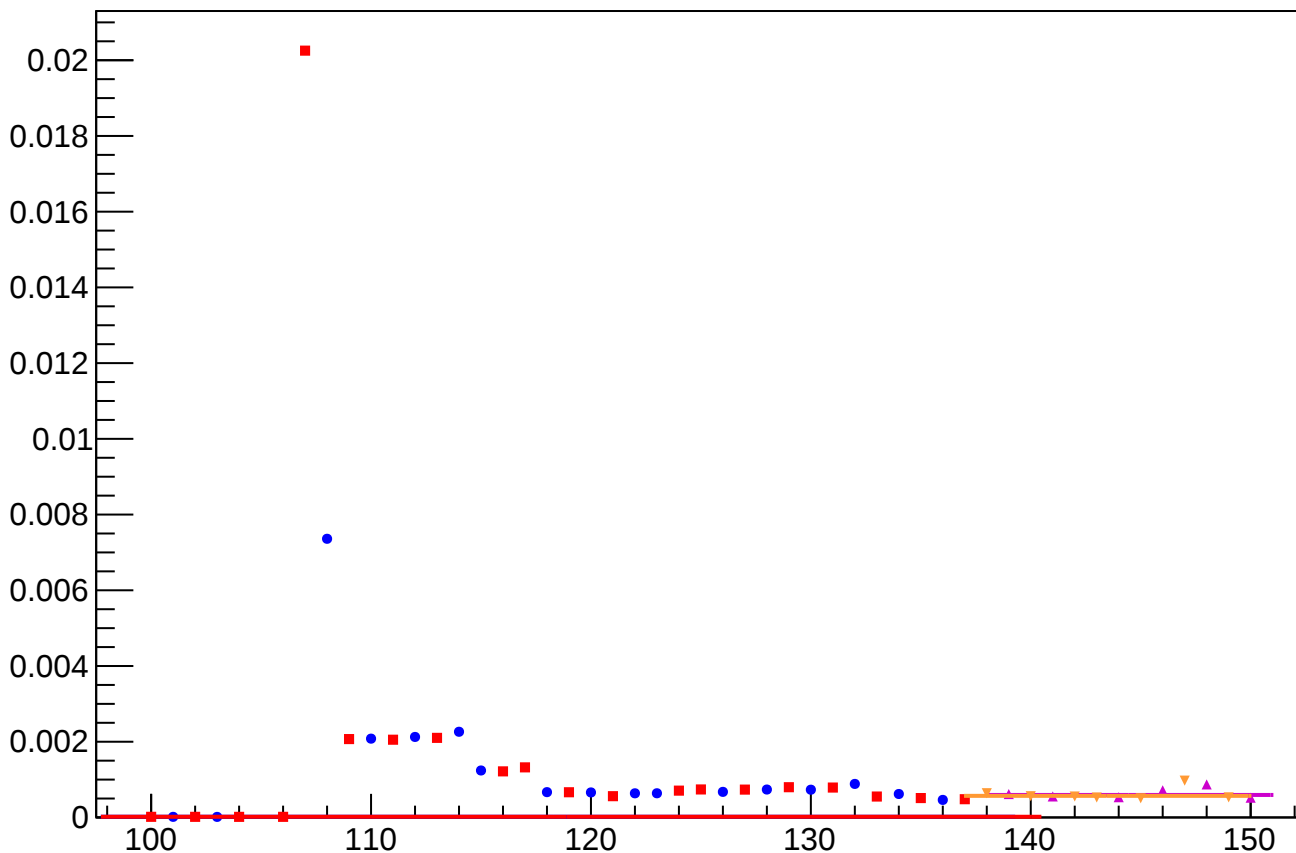
Left In: -0.078+/-0.000 χ^2/NDF : 3763981.9/5

0.657+/-0.000 χ^2/NDF : 13339862692909.7/23

0.546+/-0.000 χ^2/NDF : 48453665013433

0.444+/-0.000 χ^2/NDF : 408933267340443.3/25

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 : 314636.8/6

Right Out: 0.000+/-0.000 χ^2/NDF : 9575039.3/19

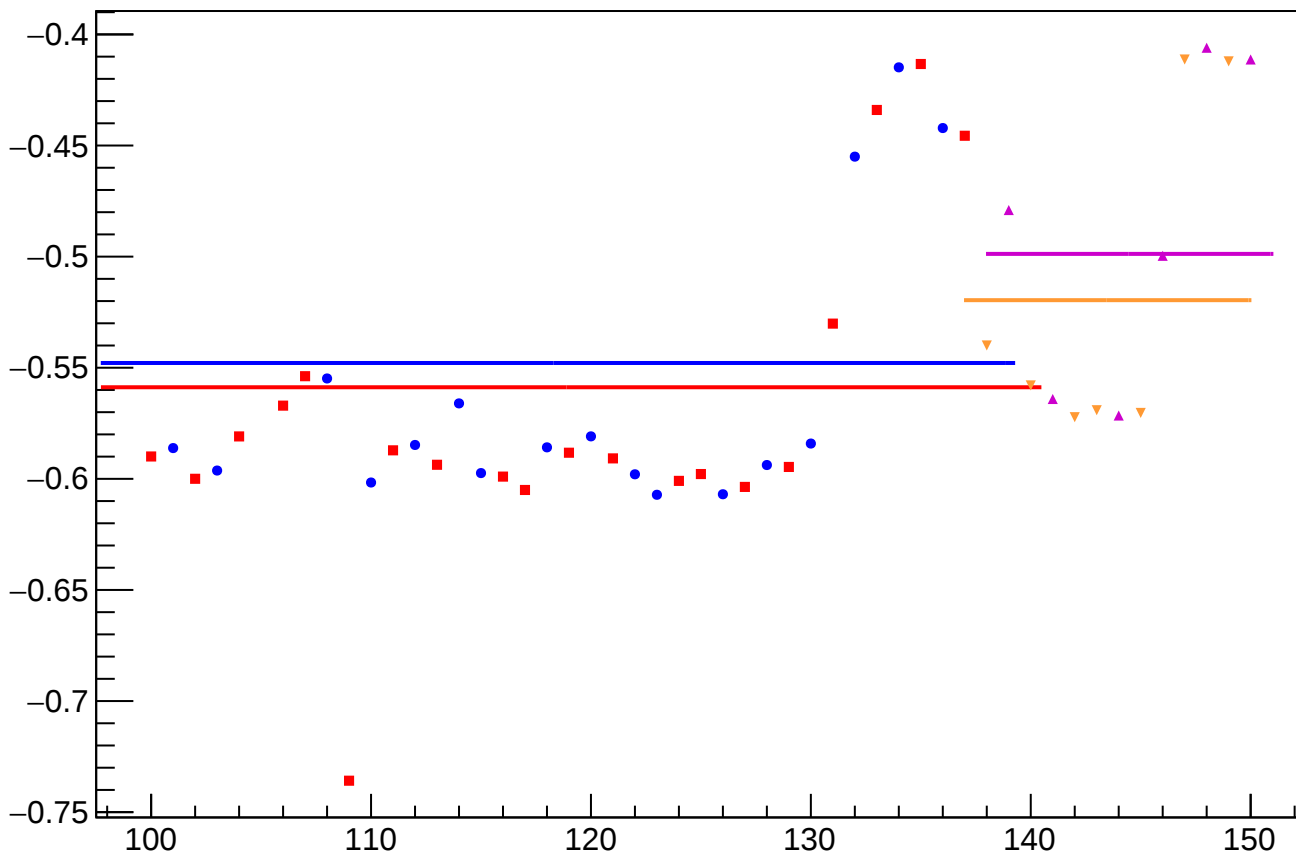
Left In: 0.001+/-0.000 χ^2/NDF : 262729.4/5

0.000+/-0.000 χ^2/NDF : 18859236.9/23

0.000+/-0.000 χ^2/NDF : 37143516.5/49

0.000+/-0.000 χ^2/NDF : 18283675.4/25

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548 ± 0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.520 ± 0.000 χ^2/NDF : 50820627.5/6

Right Out: -0.559 ± 0.000 χ^2/NDF : 65741796.4/19

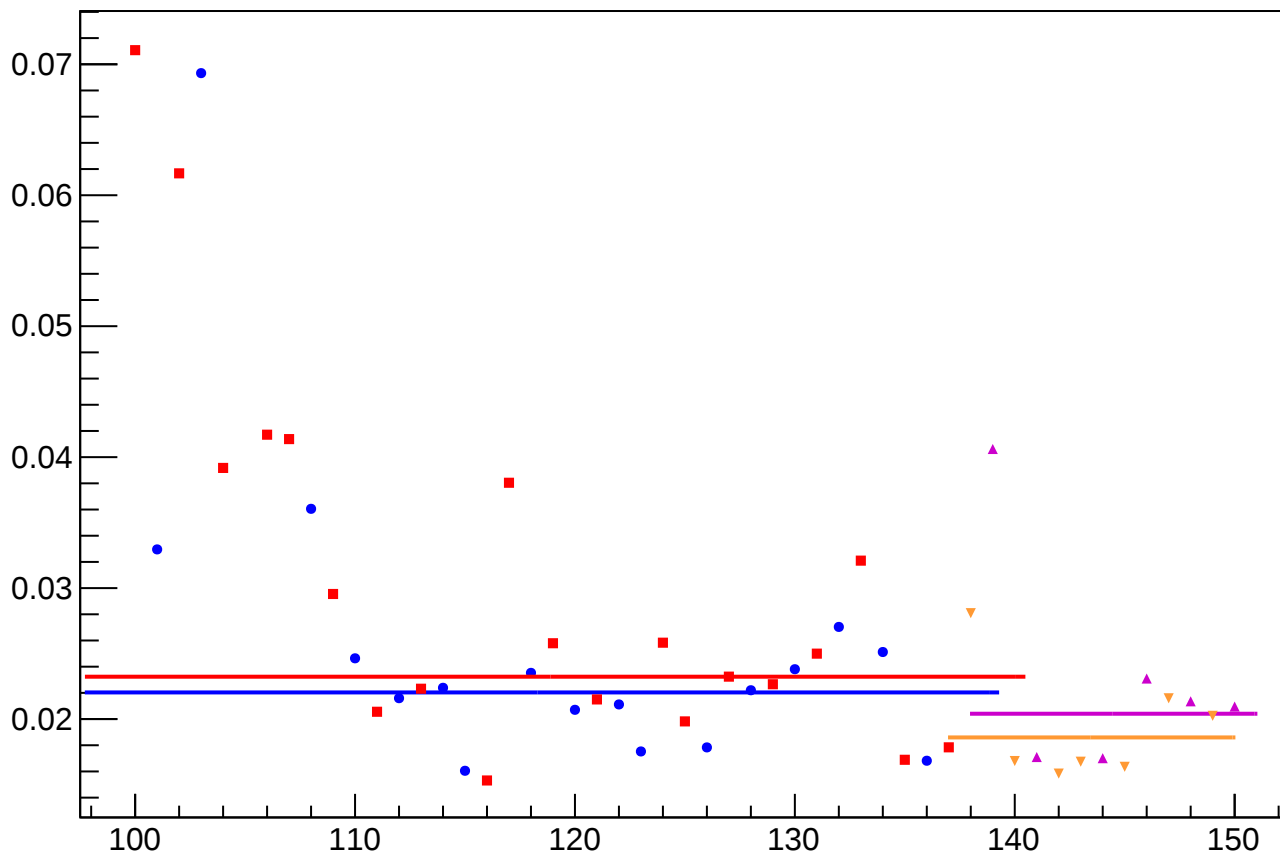
Left In: -0.499 ± 0.000 χ^2/NDF : 45027578.7/5

-0.534 ± 0.000 χ^2/NDF : 103583490.1/23

-0.532 ± 0.000 χ^2/NDF : 231324948.3/49

-0.531 ± 0.000 χ^2/NDF : 127636058.2/25

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 : 229469.3/6

Right Out: 0.023+/-0.000 χ^2/NDF : 1169205.3/19

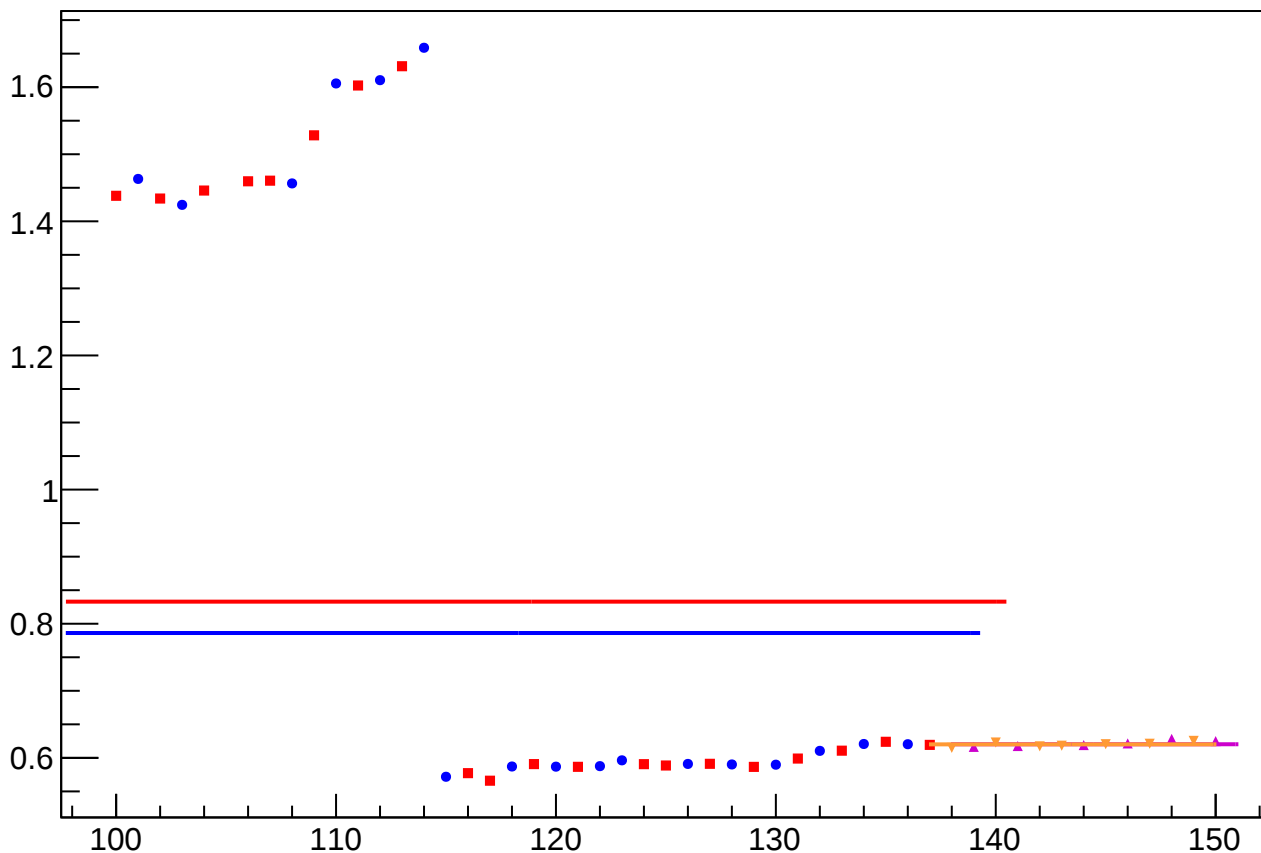
Left In: 0.020+/-0.000 χ^2/NDF : 448924.2/5

0.020+/-0.000 χ^2/NDF : 1312069.7/23

0.021+/-0.000 χ^2/NDF : 3054557.3/49

0.022+/-0.000 χ^2/NDF : 1693011.8/25

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.786+/-0.000 χ^2/NDF : 3590113316.1/16

Left Out: 0.620+/-0.000 χ^2/NDF : 356617.5/6

Right Out: 0.833+/-0.000 χ^2/NDF : 4160348649.7/19

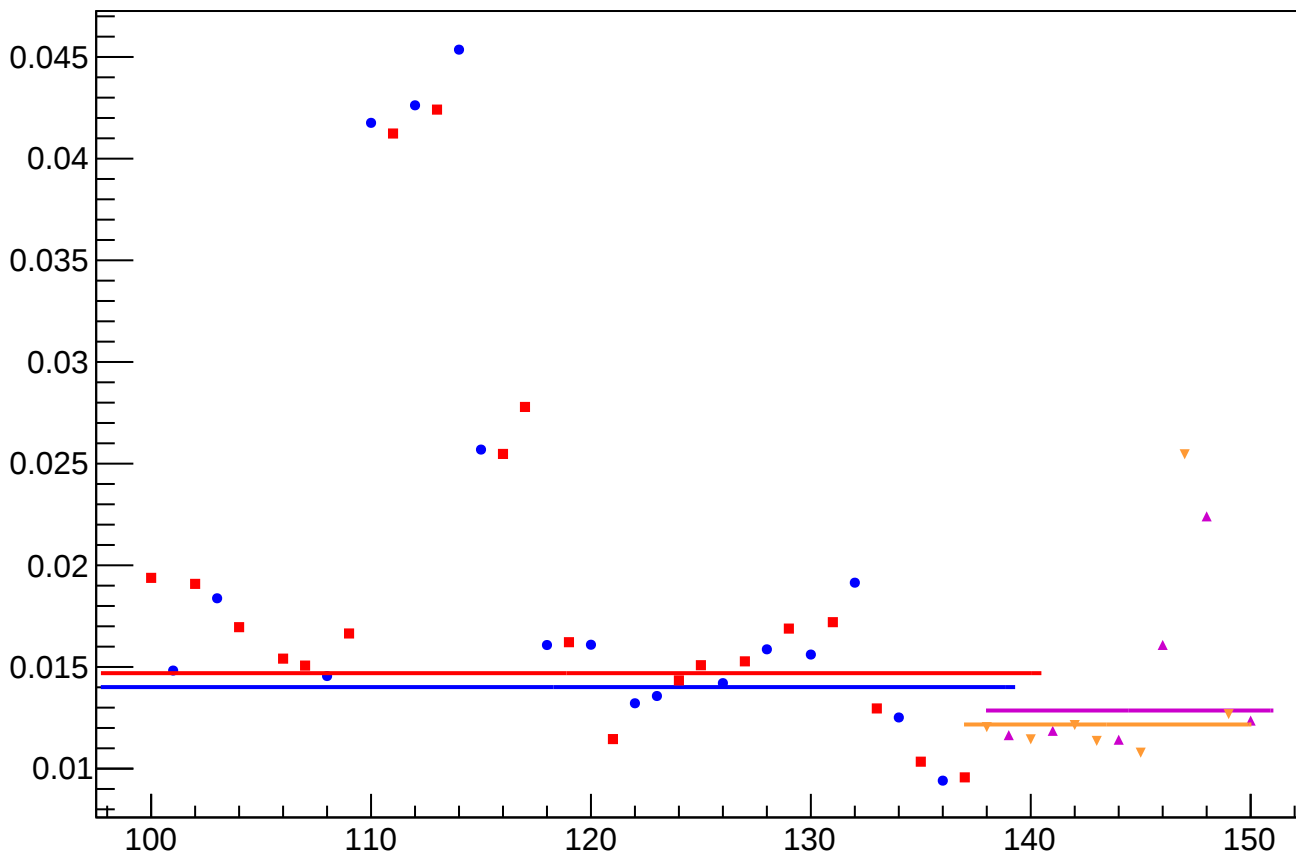
Left In: 0.620+/-0.000 χ^2/NDF : 348423.5/5

0.701+/-0.000 χ^2/NDF : 4001856094.0/23

0.714+/-0.000 χ^2/NDF : 8805999877.0/49

0.729+/-0.000 χ^2/NDF : 4781620011.0/25

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1404865.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 444520.3/6

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1280473.4/19

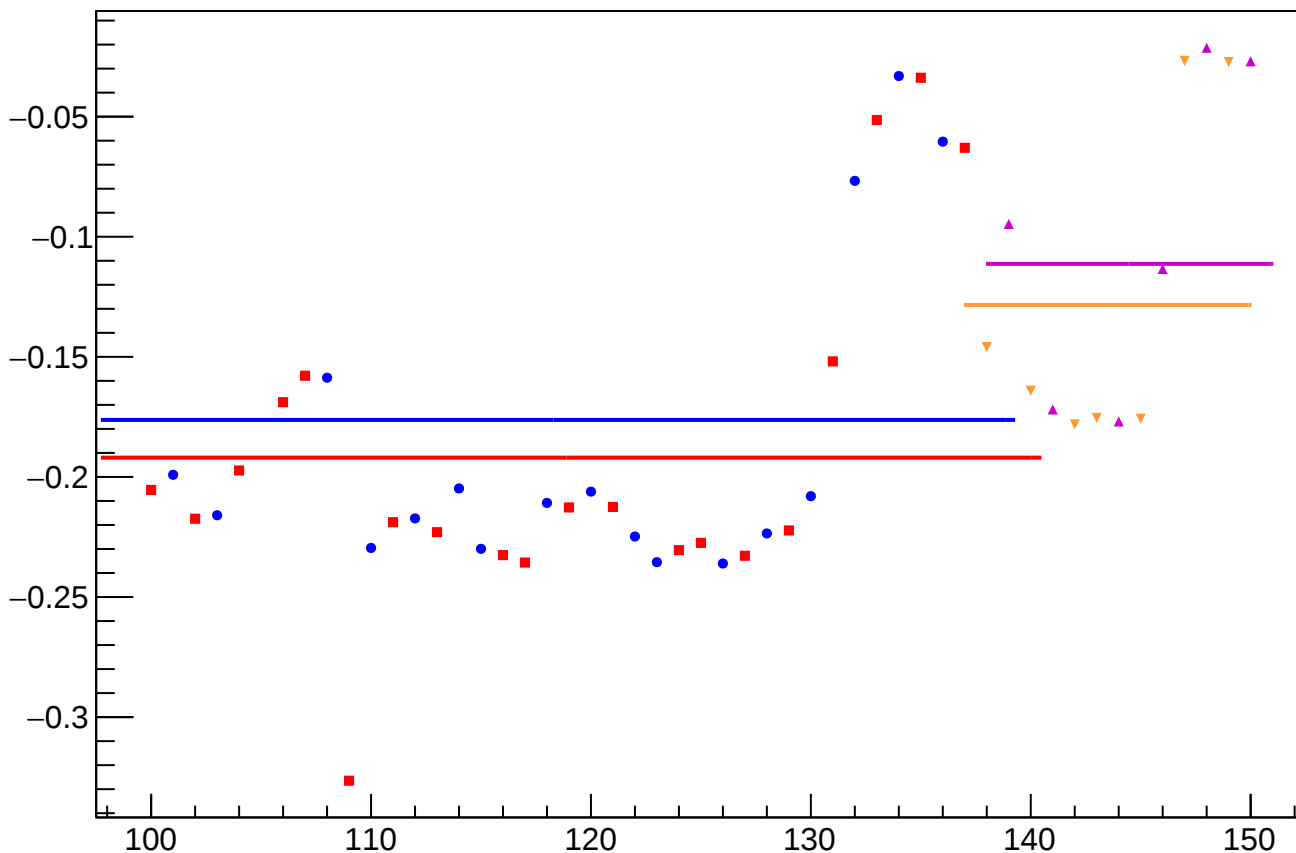
Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 389137.4/5

0.013 $\pm$ 0.000 χ^2/NDF : 1950340.8/23

0.013 $\pm$ 0.000 χ^2/NDF : 3743314.7/49

0.014 $\pm$ 0.000 χ^2/NDF : 1762277.1/25

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.128+/-0.000 χ^2/NDF : 49372563.7/6

Right Out: -0.192+/-0.000 χ^2/NDF : 83899255.4/19

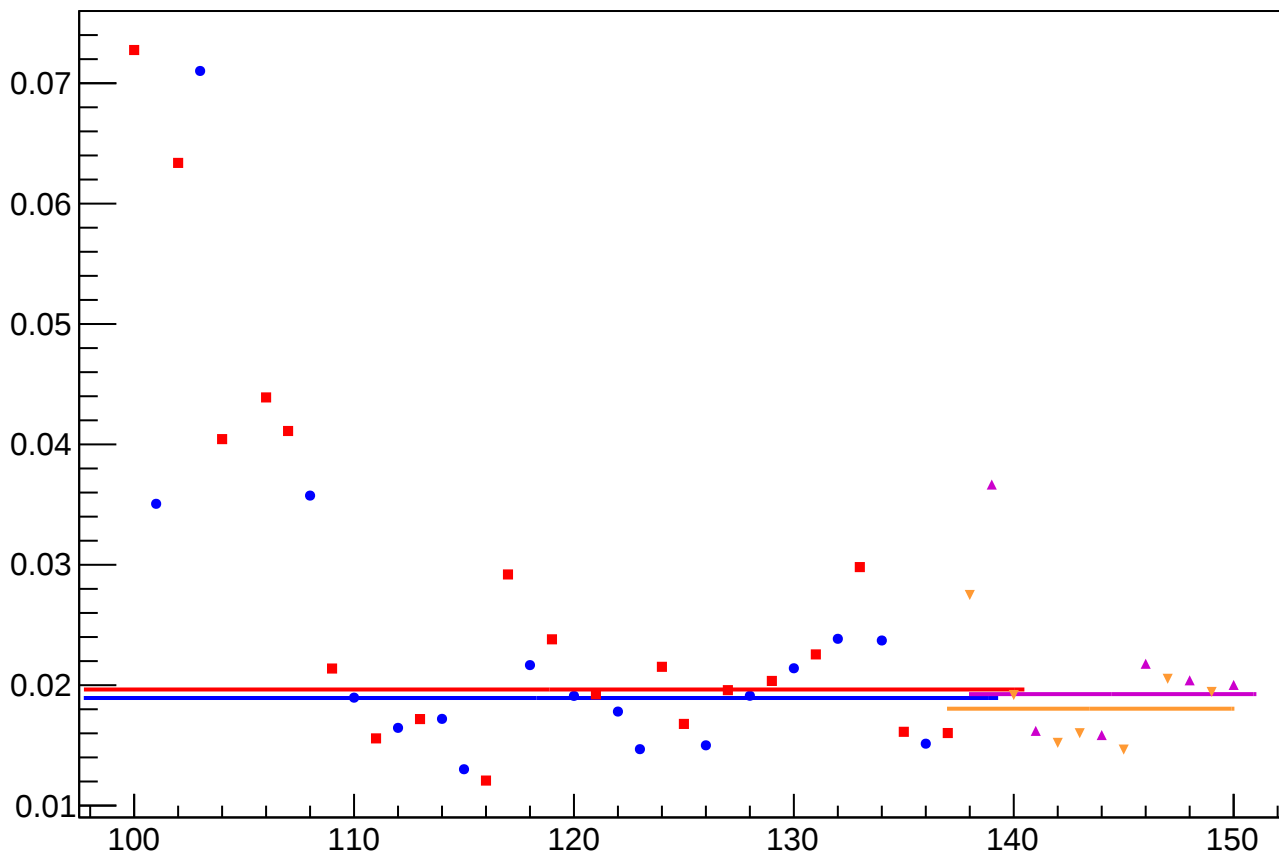
Left In: -0.111+/-0.000 χ^2/NDF : 44918245.8/5

-0.155+/-0.000 χ^2/NDF : 133848874.1/23

-0.156+/-0.000 χ^2/NDF : 300284922.1/49

-0.158+/-0.000 χ^2/NDF : 166335800.4/25

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.018+/-0.000 χ^2/NDF : 268693.3/6

Right Out: 0.020+/-0.000 χ^2/NDF : 1466285.9/19

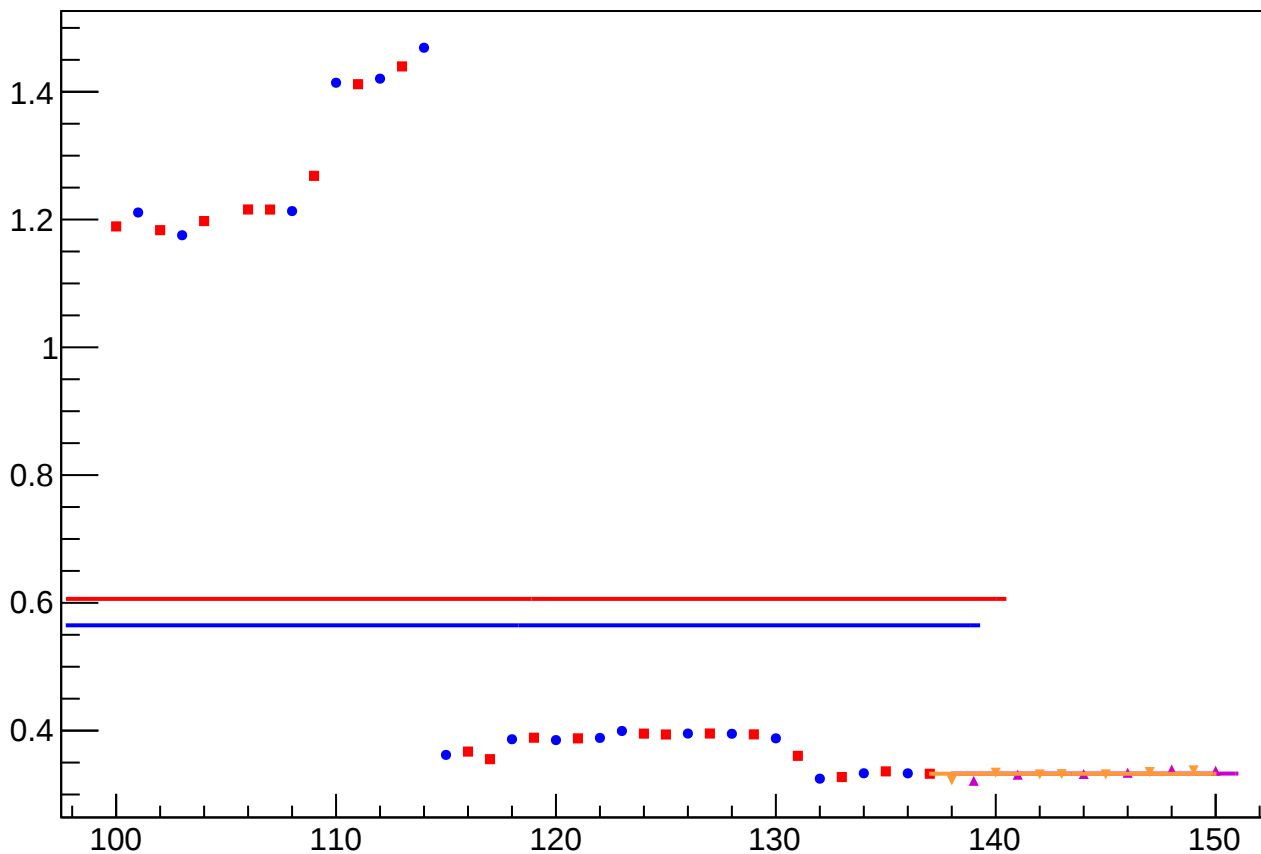
Left In: 0.019+/-0.000 χ^2/NDF : 427862.5/5

0.019+/-0.000 χ^2/NDF : 1484427.2/23

0.019+/-0.000 χ^2/NDF : 3401930.4/49

0.019+/-0.000 χ^2/NDF : 1895850.2/25

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.565+/-0.000 χ^2/NDF : 5030969499.3/16

Left Out: 0.333+/-0.000 χ^2/NDF : 678133.1/6

Right Out: 0.606+/-0.000 χ^2/NDF : 5517630064.2/19

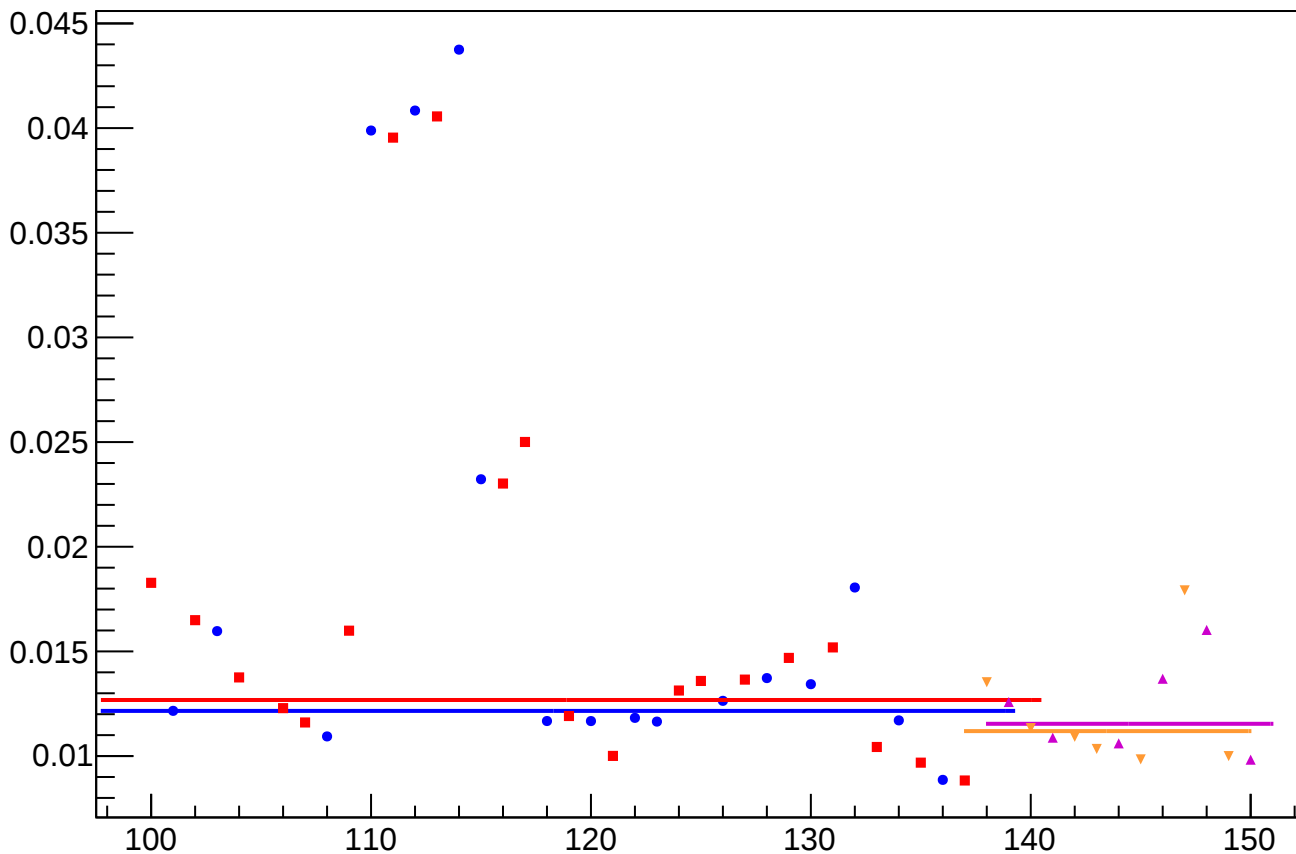
Left In: 0.333+/-0.000 χ^2/NDF : 861656.3/5

0.451+/-0.000 χ^2/NDF : 6043984982.5/23

0.463+/-0.000 χ^2/NDF : 12904996997.0/4

0.475+/-0.000 χ^2/NDF : 6840325659.1/25

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 : 312625.1/6

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1289415.7/19

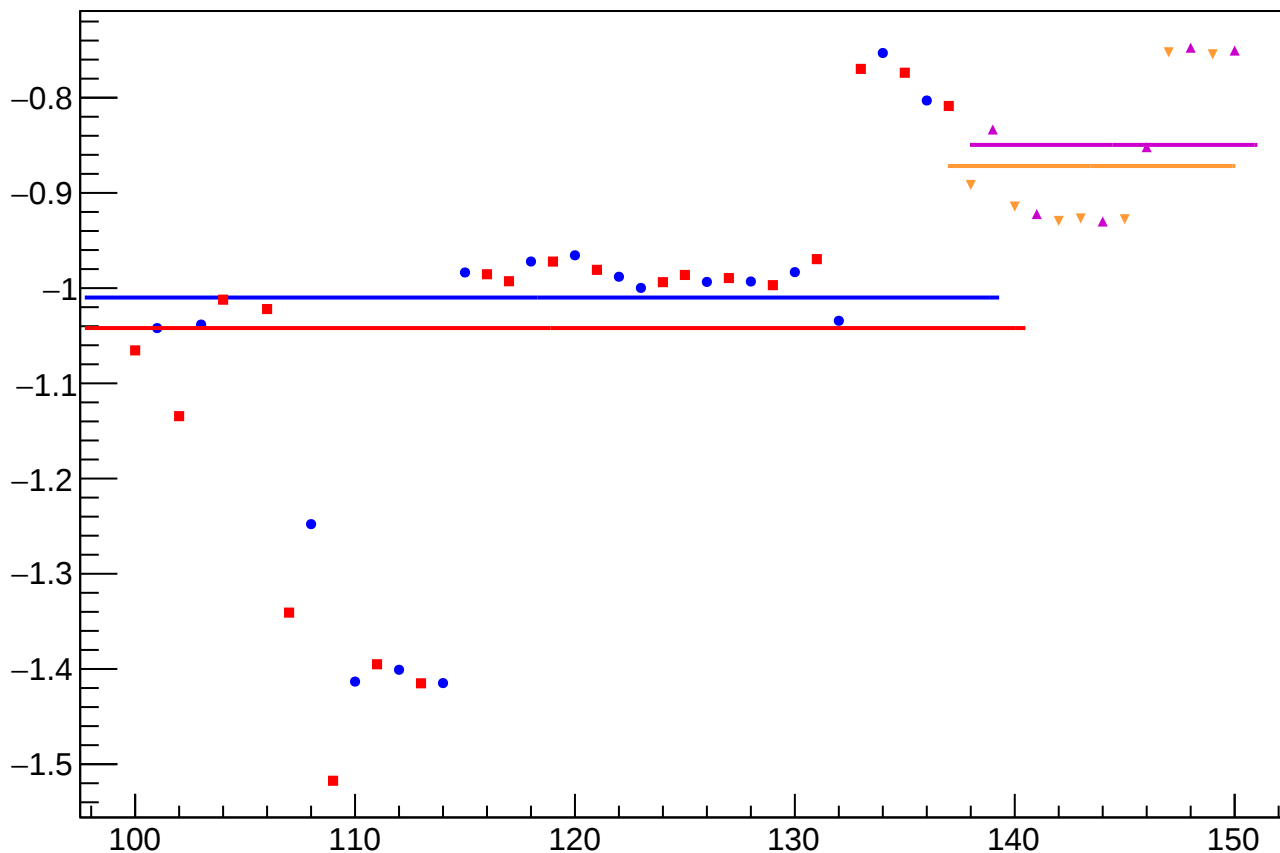
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 236809.9/5

0.012 $\pm$ 0.000 χ^2/NDF : 1657457.2/23

0.012 $\pm$ 0.000 χ^2/NDF : 3244031.3/49

0.012 $\pm$ 0.000 χ^2/NDF : 1571961.1/25

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.010 $\pm$ 0.000 χ^2 /NDF: 387650332.0/16

Left Out: -0.872 $\pm$ 0.000 χ^2 /NDF: 64383089.3/6

Right Out: -1.042 $\pm$ 0.000 χ^2 /NDF: 530175104.2/19

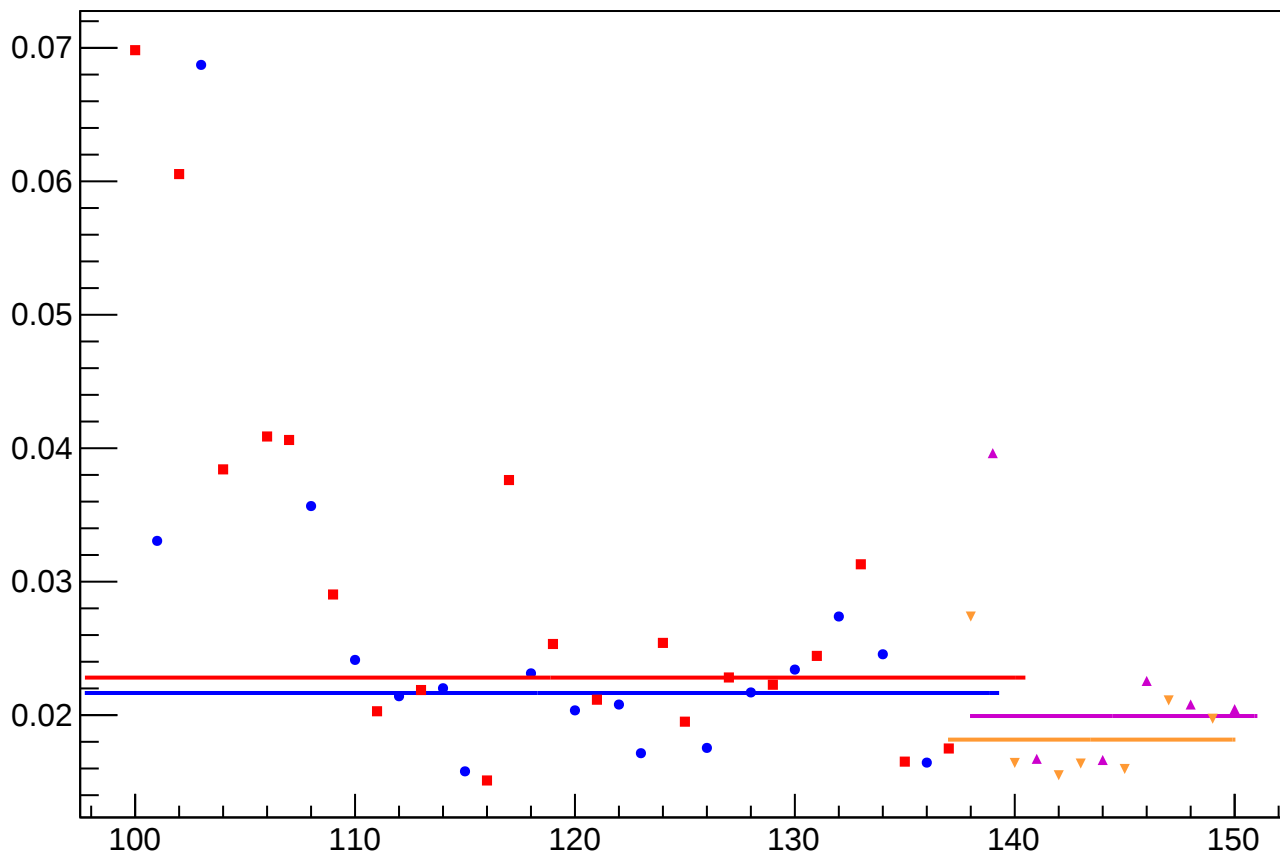
Left In: -0.850 $\pm$ 0.000 χ^2 /NDF: 58471835.9/5

-0.941 $\pm$ 0.000 χ^2 /NDF: 556035438.0/23

-0.945 $\pm$ 0.000 χ^2 /NDF: 1326353881.8/49

-0.951 $\pm$ 0.000 χ^2 /NDF: 769257714.2/25

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 983499.8/16

Left Out: 0.018+/-0.000 χ^2/NDF : 227902.5/6

Right Out: 0.023+/-0.000 χ^2/NDF : 1165116.5/19

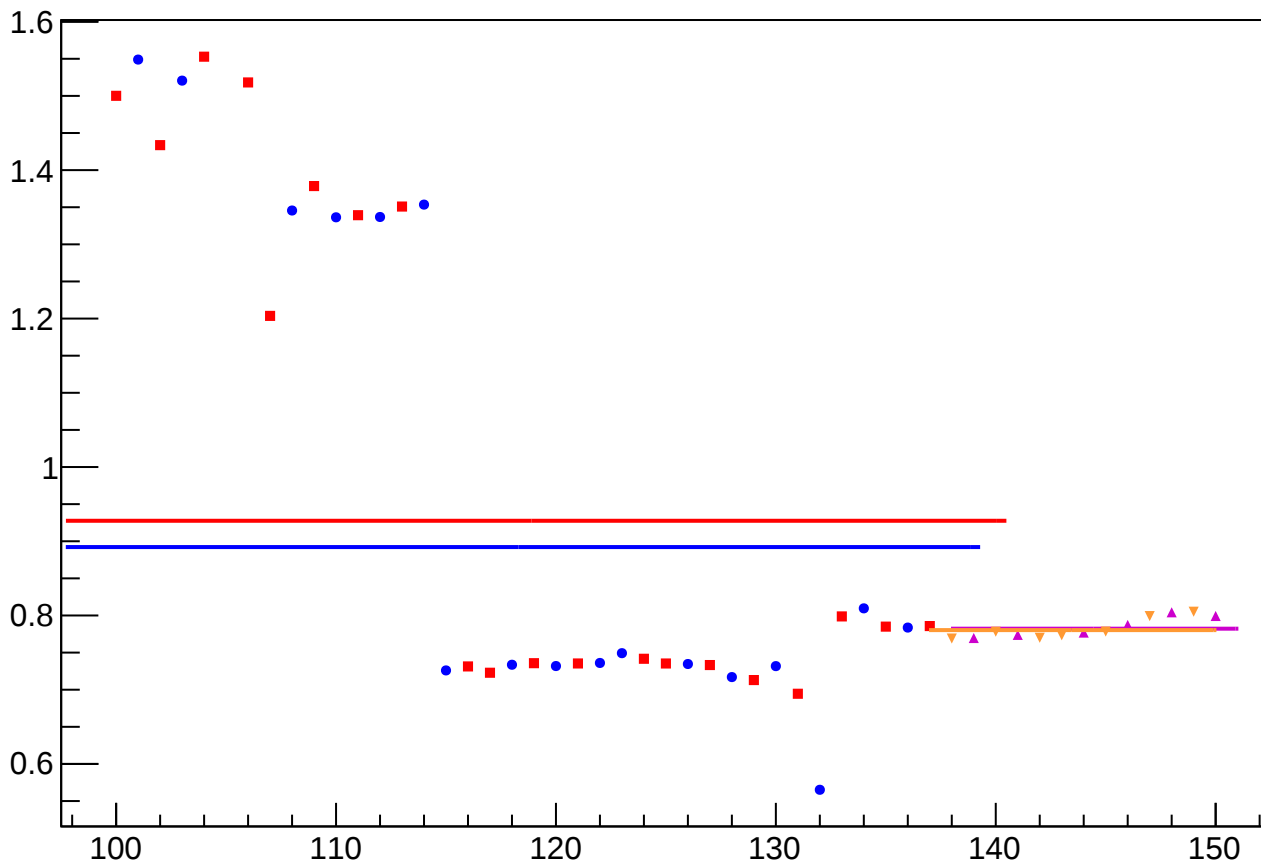
Left In: 0.020+/-0.000 χ^2/NDF : 446422.1/5

0.020+/-0.000 χ^2/NDF : 1344500.1/23

0.021+/-0.000 χ^2/NDF : 3085939.4/49

0.021+/-0.000 χ^2/NDF : 1692427.6/25

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.892 $\pm$ 0.000 χ^2/NDF : 2413732173.6/16

Left Out: 0.780 $\pm$ 0.000 χ^2/NDF : 4623947.6/6

Right Out: 0.928 $\pm$ 0.000 χ^2/NDF : 2439574936.7/19

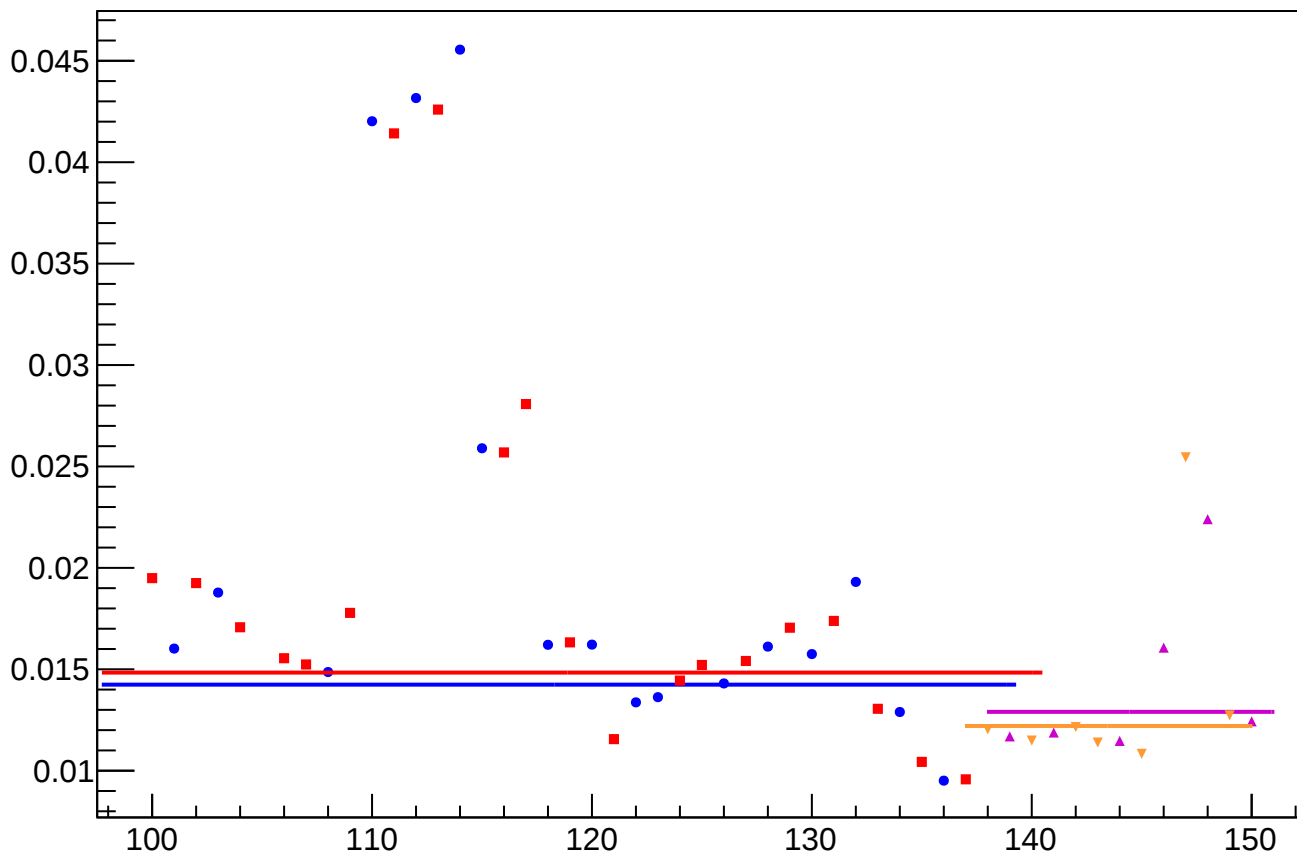
Left In: 0.782 $\pm$ 0.000 χ^2/NDF : 3766834.5/5

0.834 $\pm$ 0.000 χ^2/NDF : 2600991387.2/23

0.844 $\pm$ 0.000 χ^2/NDF : 5344164484.9/49

0.856 $\pm$ 0.000 χ^2/NDF : 2729460454.5/25

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1415681.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 441253.8/6

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1291174.0/19

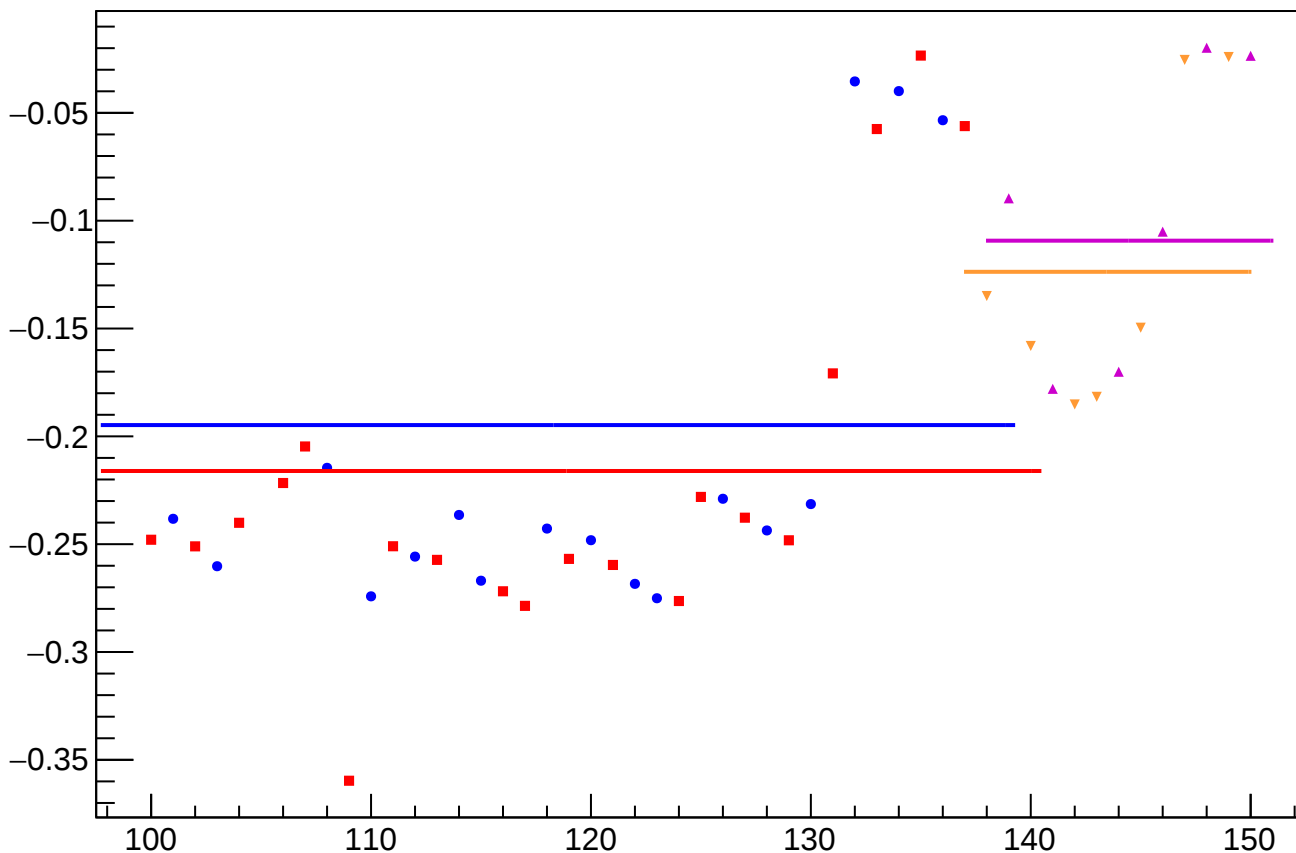
Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 384074.0/5

0.013 $\pm$ 0.000 χ^2/NDF : 1978143.7/23

0.014 $\pm$ 0.000 χ^2/NDF : 3782719.9/49

0.014 $\pm$ 0.000 χ^2/NDF : 1776659.1/25

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.124+/-0.000 χ^2/NDF : 46806846.2/6

Right Out: -0.216+/-0.000 χ^2/NDF : 112167032.2/19

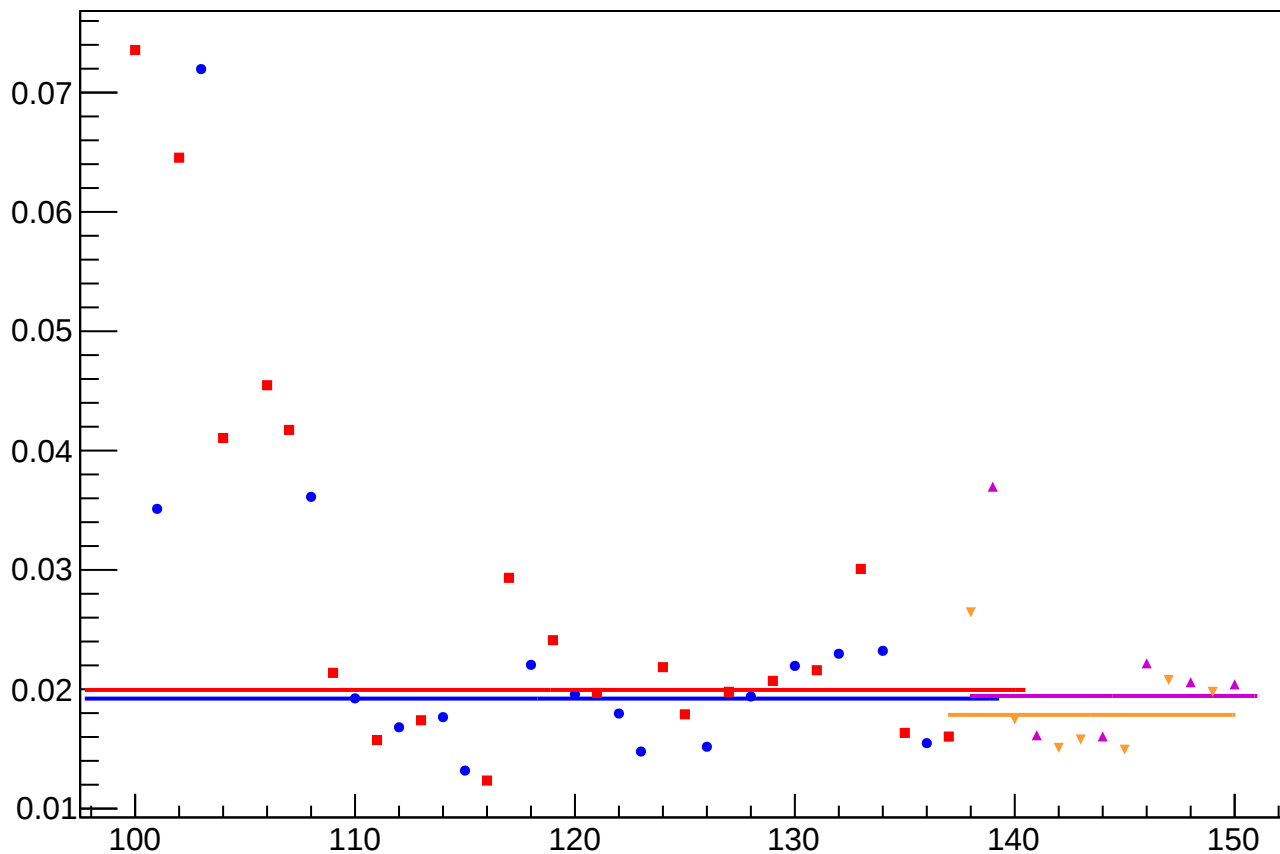
Left In: -0.109+/-0.000 χ^2/NDF : 45244385.4/5

-0.162+/-0.000 χ^2/NDF : 186849763.8/23

-0.166+/-0.000 χ^2/NDF : 409176134.1/49

-0.170+/-0.000 χ^2/NDF : 221547460.6/25

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1177085.4/16

Left Out: 0.018+/-0.000 χ^2/NDF : 243215.7/6

Right Out: 0.020+/-0.000 χ^2/NDF : 1455211.7/19

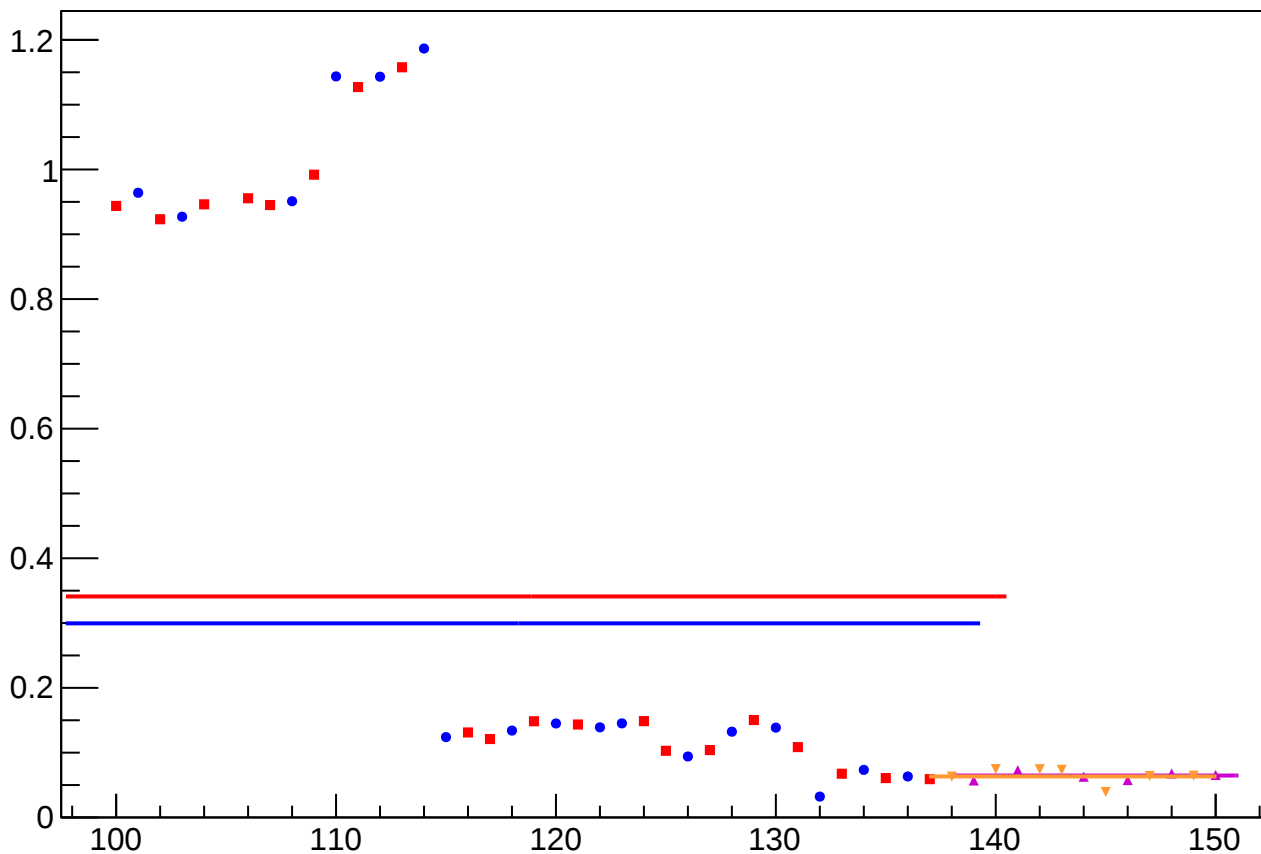
Left In: 0.019+/-0.000 χ^2/NDF : 435851.7/5

0.019+/-0.000 χ^2/NDF : 1443430.5/23

0.019+/-0.000 χ^2/NDF : 3368186.3/49

0.020+/-0.000 χ^2/NDF : 1893929.0/25

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.300 $\pm$ 0.000 χ^2 /NDF: 5165052137.6/16

Left Out: 0.063 $\pm$ 0.000 χ^2 /NDF:6313994.3/6

Right Out: 0.341 $\pm$ 0.000 χ^2 /NDF: 5453748737.7/19

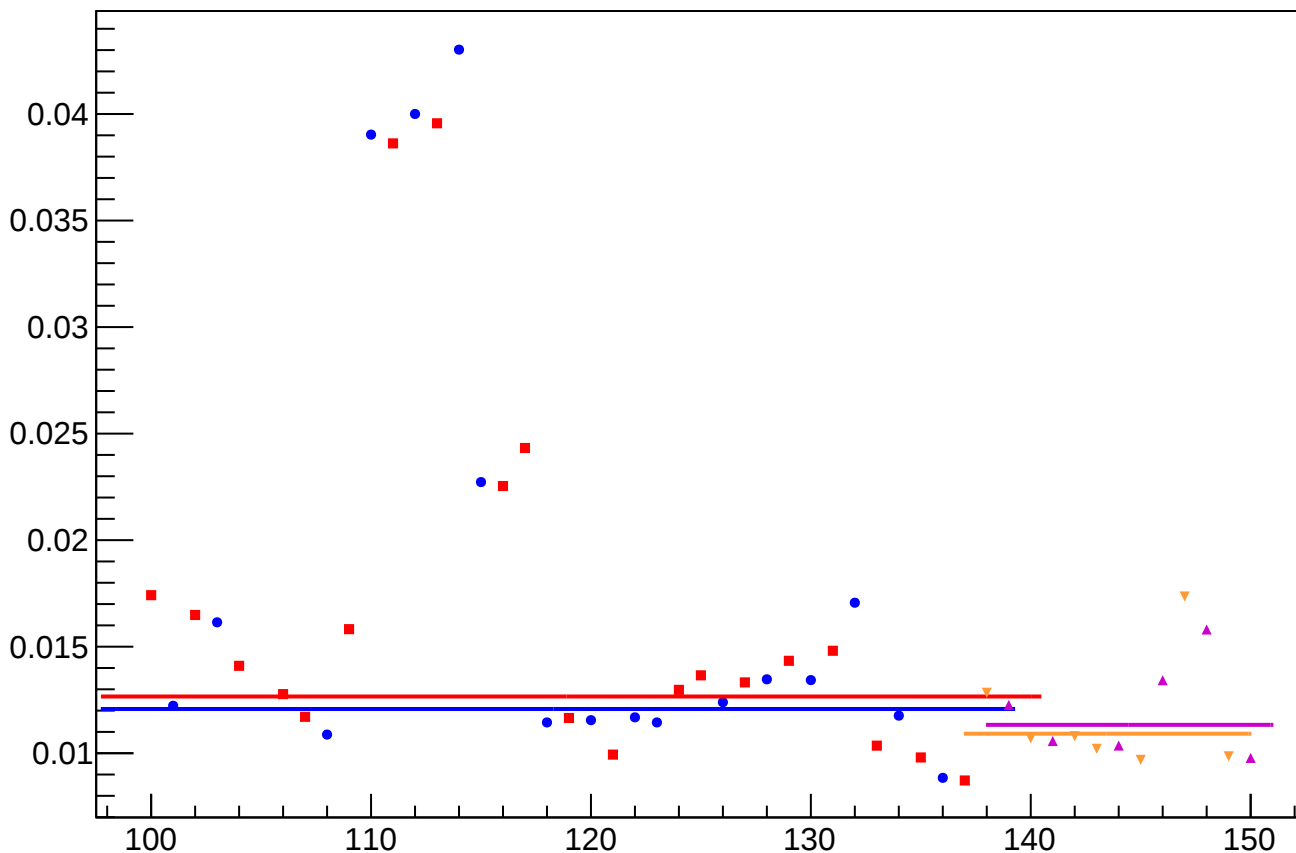
Left In: 0.065 $\pm$ 0.000 χ^2 /NDF:1006545.3/5

0.182 $\pm$ 0.000 χ^2 /NDF: 6253508052.6/23

0.193 $\pm$ 0.000 χ^2 /NDF: 13109292228.7/4

0.206 $\pm$ 0.000 χ^2 /NDF: 6833793930.8/25

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 : 286568.8/6

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1255391.1/19

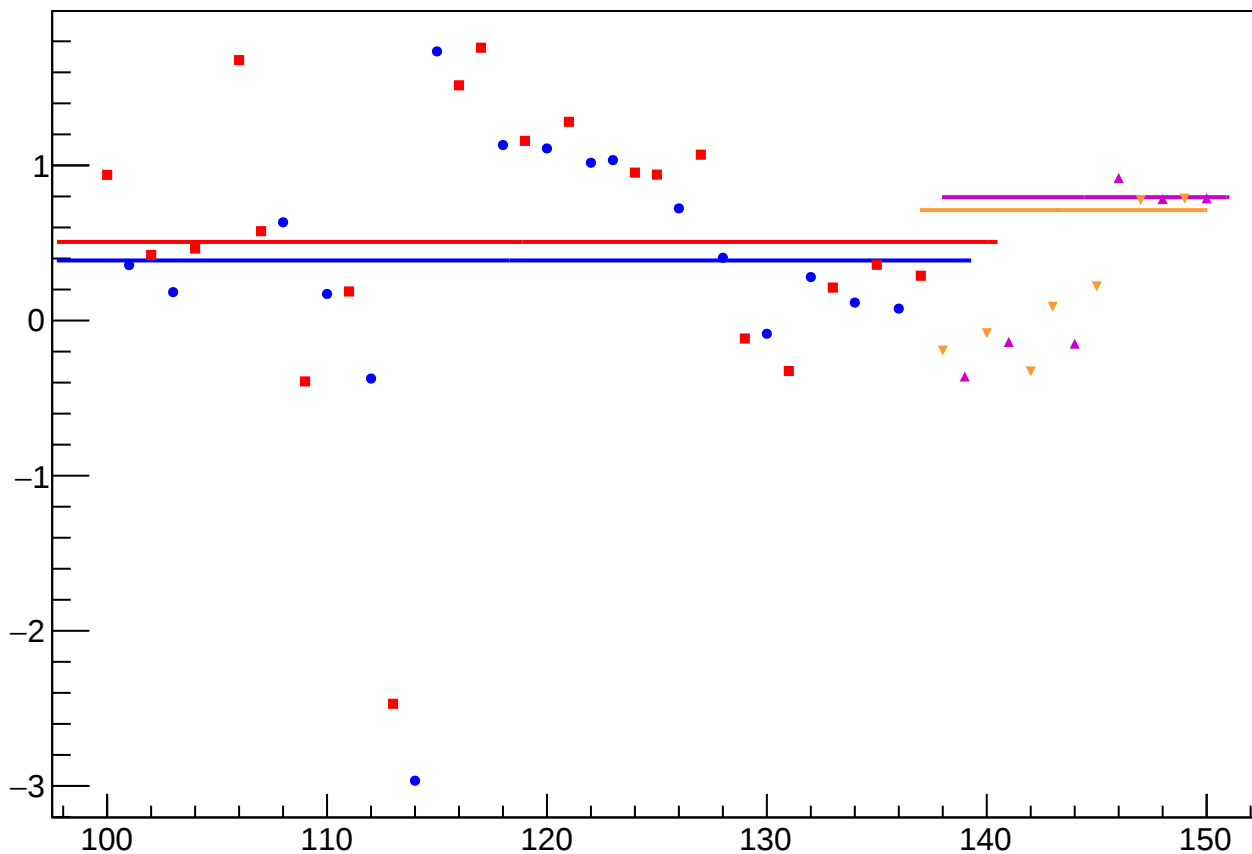
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 233102.3/5

0.011 $\pm$ 0.000 χ^2/NDF : 1620808.9/23

0.012 $\pm$ 0.000 χ^2/NDF : 3193026.1/49

0.012 $\pm$ 0.000 χ^2/NDF : 1552428.7/25

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.387 $\pm$ 0.000 χ^2/NDF : 247912593.5/16

Left Out: 0.712 $\pm$ 0.000 χ^2/NDF :302622215.9/6

Right Out: 0.507 $\pm$ 0.000 χ^2/NDF : 995347030.4/19

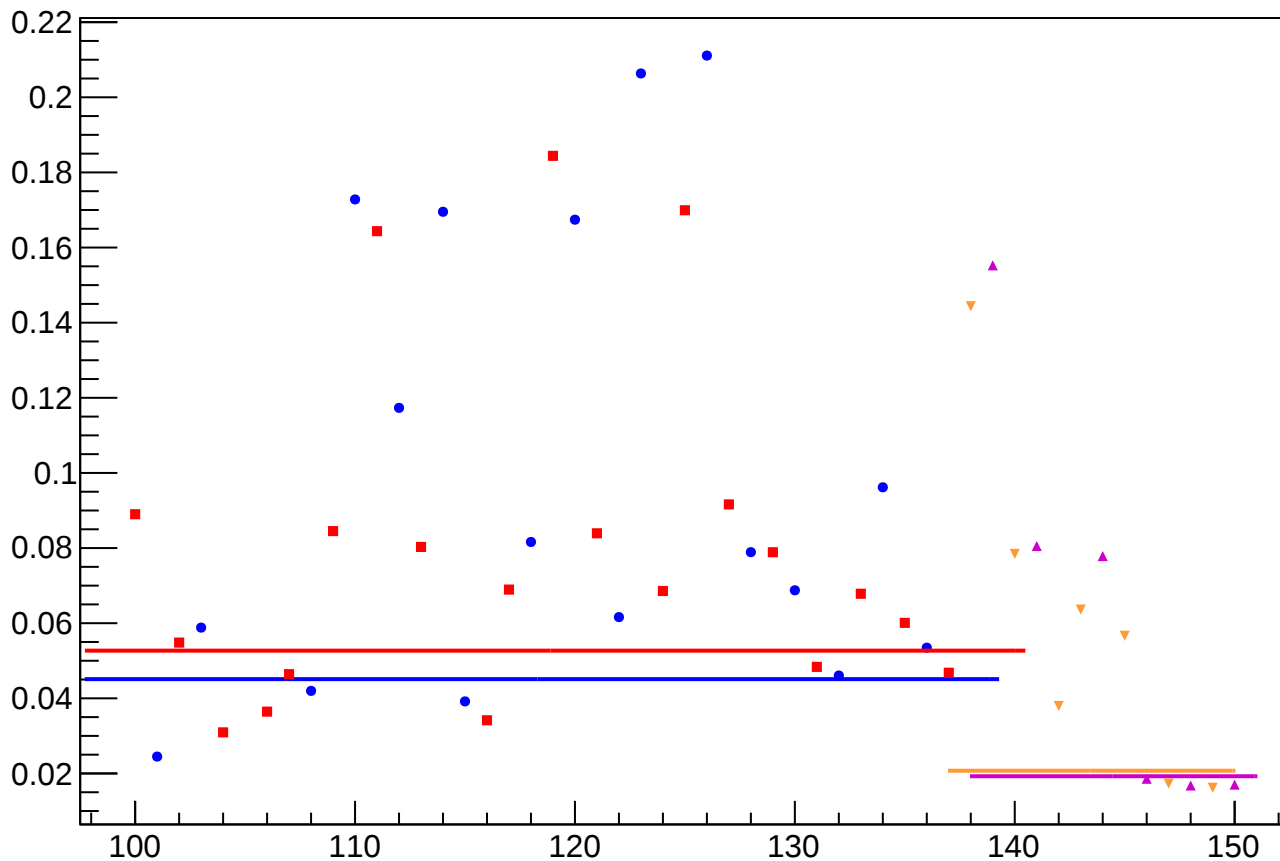
Left In: 0.795 $\pm$ 0.000 χ^2/NDF :203737148.3/5

0.634 $\pm$ 0.000 χ^2/NDF : 690342468.8/23

0.694 $\pm$ 0.000 χ^2/NDF : 2041086055.1/49

0.745 $\pm$ 0.000 χ^2/NDF : 1302224334.0/25

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF : 2846218.9/16

Left Out: 0.021+/-0.000 χ^2/NDF : 2471379.2/6

Right Out: 0.053+/-0.000 χ^2/NDF : 2194555.4/19

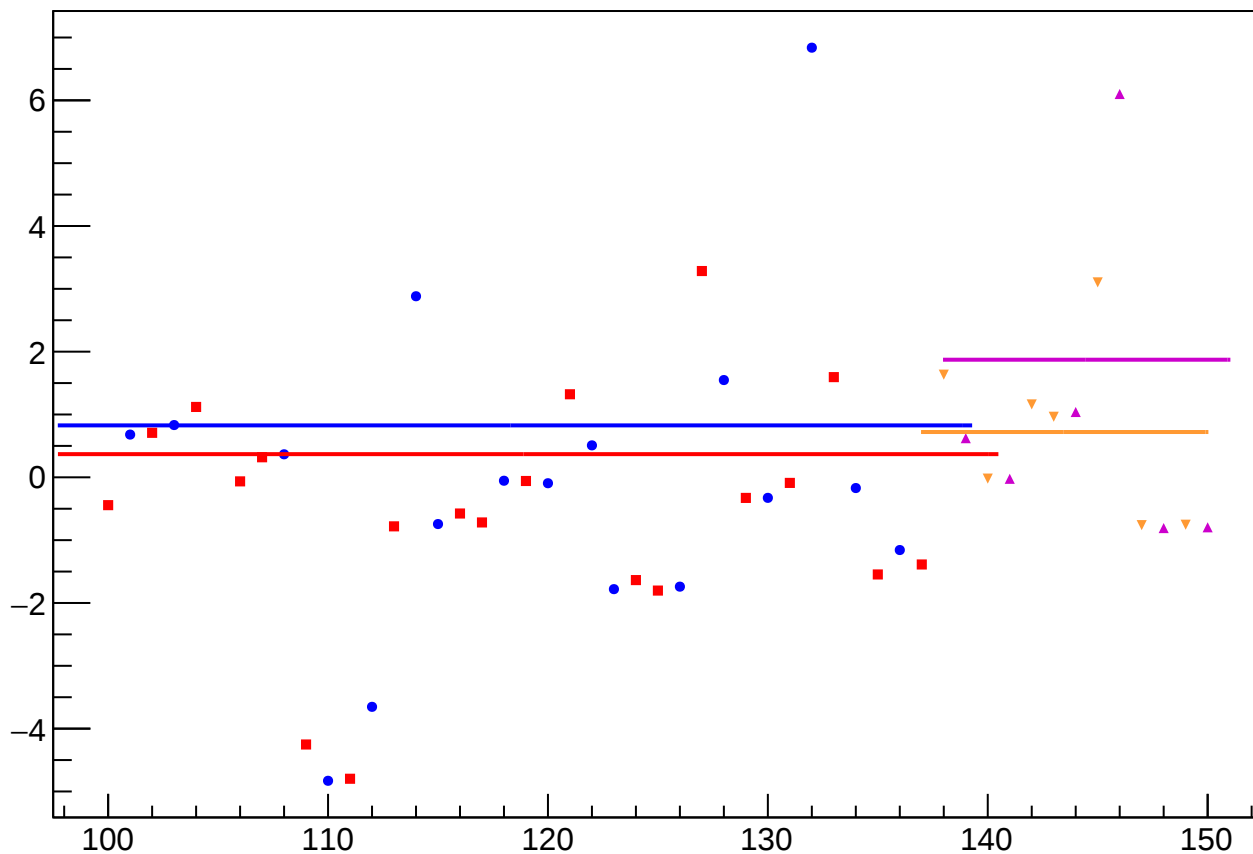
Left In: 0.019+/-0.000 χ^2/NDF : 2124884.0/5

0.027+/-0.000 χ^2/NDF : 6895364.7/23

0.026+/-0.000 χ^2/NDF : 14000051.6/49

0.025+/-0.000 χ^2/NDF : 7087302.8/25

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.827 $\pm$ 0.000 χ^2/NDF : 10936458870.4/16

Left Out: 0.721 $\pm$ 0.000 χ^2/NDF : 25386831043.9/6

Right Out: 0.369 $\pm$ 0.000 χ^2/NDF : 4985860510.0/19

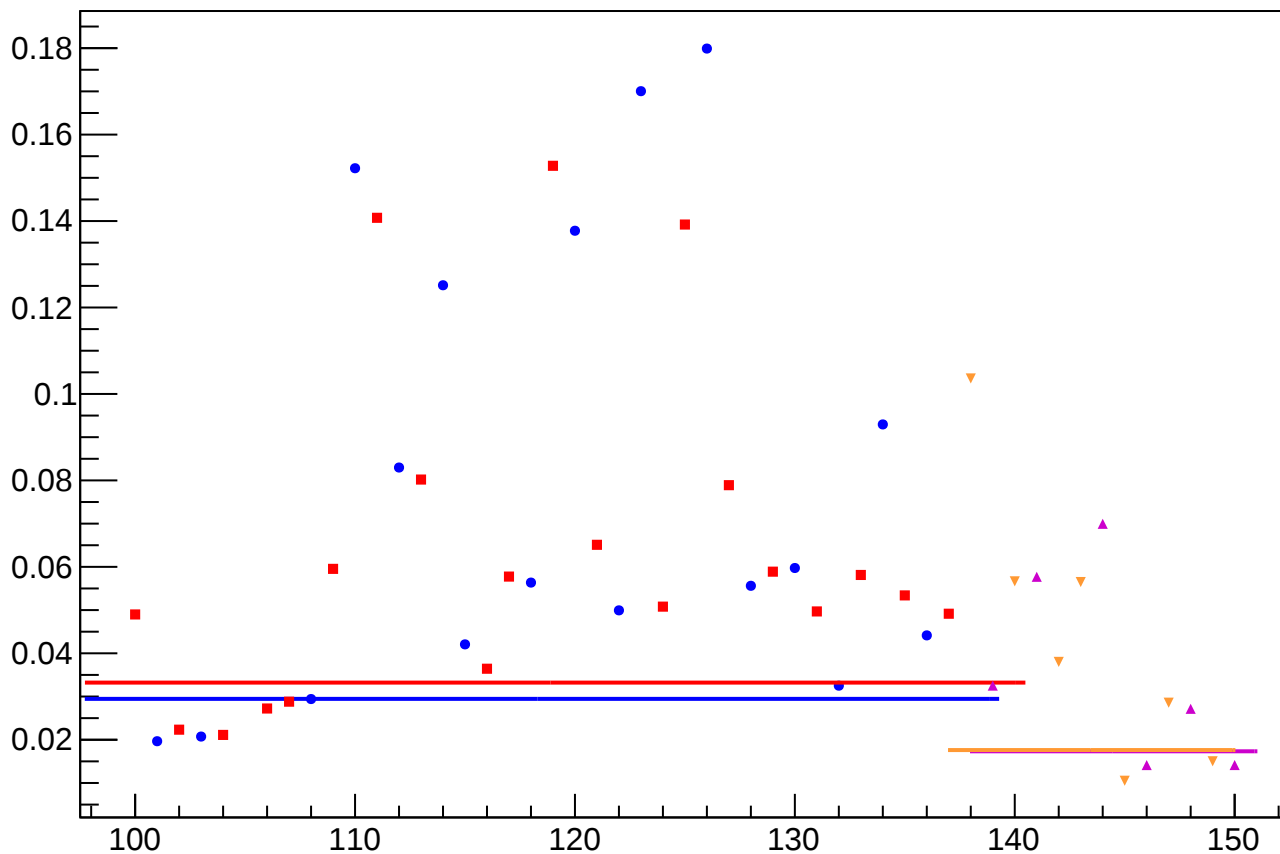
Left In: 1.872 $\pm$ 0.000 χ^2/NDF : 100182361059.7/5

0.757 $\pm$ 0.000 χ^2/NDF : 36352148951.4/23

1.122 $\pm$ 0.000 χ^2/NDF : 150198898902.8/7

1.455 $\pm$ 0.000 χ^2/NDF : 110897868901.9/25

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029 $\pm$ 0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.018 $\pm$ 0.000 χ^2/NDF : 2330990.5/6

Right Out: 0.033 $\pm$ 0.000 χ^2/NDF : 3110014.7/19

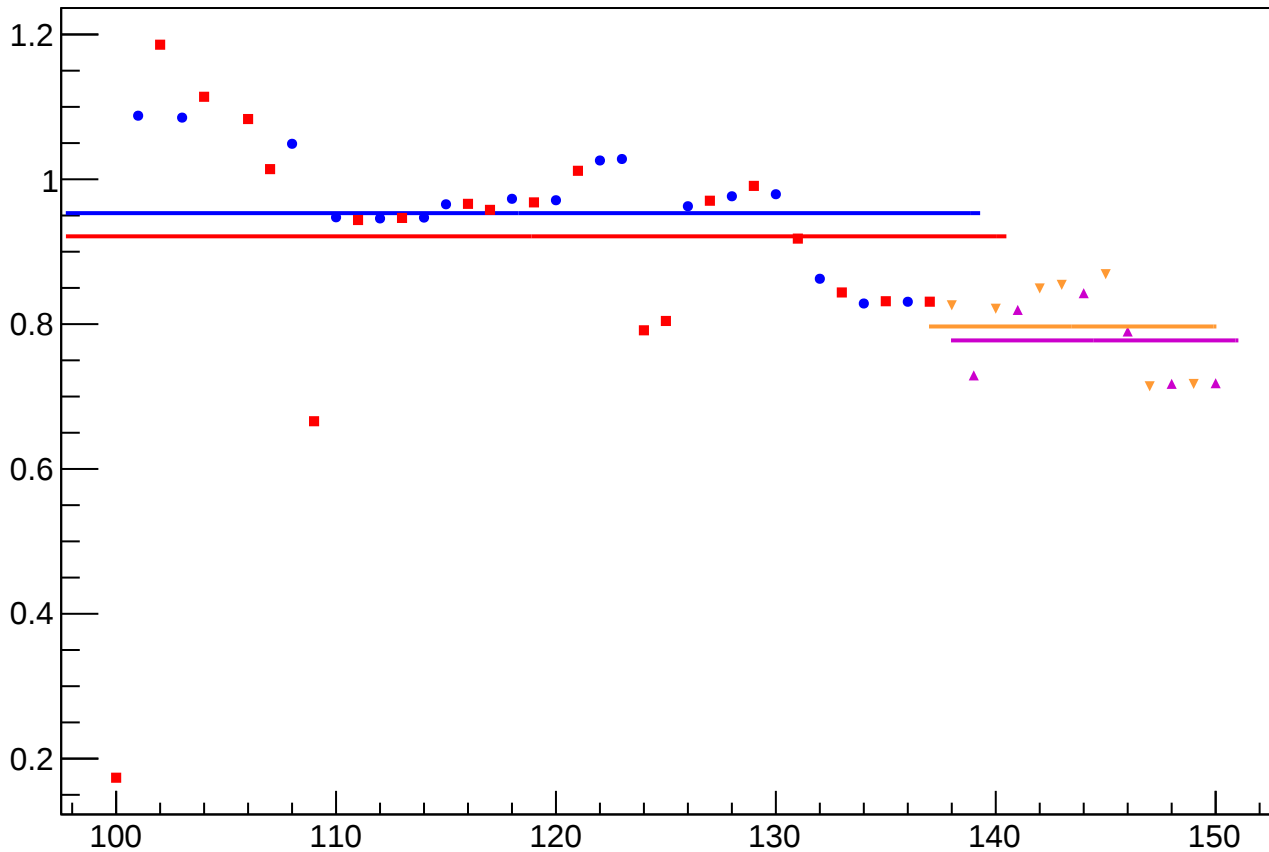
Left In: 0.017 $\pm$ 0.000 χ^2/NDF : 1519675.9/5

0.022 $\pm$ 0.000 χ^2/NDF : 6113667.1/23

0.022 $\pm$ 0.000 χ^2/NDF : 12025065.3/49

0.022 $\pm$ 0.000 χ^2/NDF : 5911285.8/25

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953+/-0.000 χ^2/NDF : 175396553.4/16

Left Out: 0.797+/-0.000 χ^2/NDF : 117234131.6/6

Right Out: 0.921+/-0.000 χ^2/NDF : 374376205.4/19

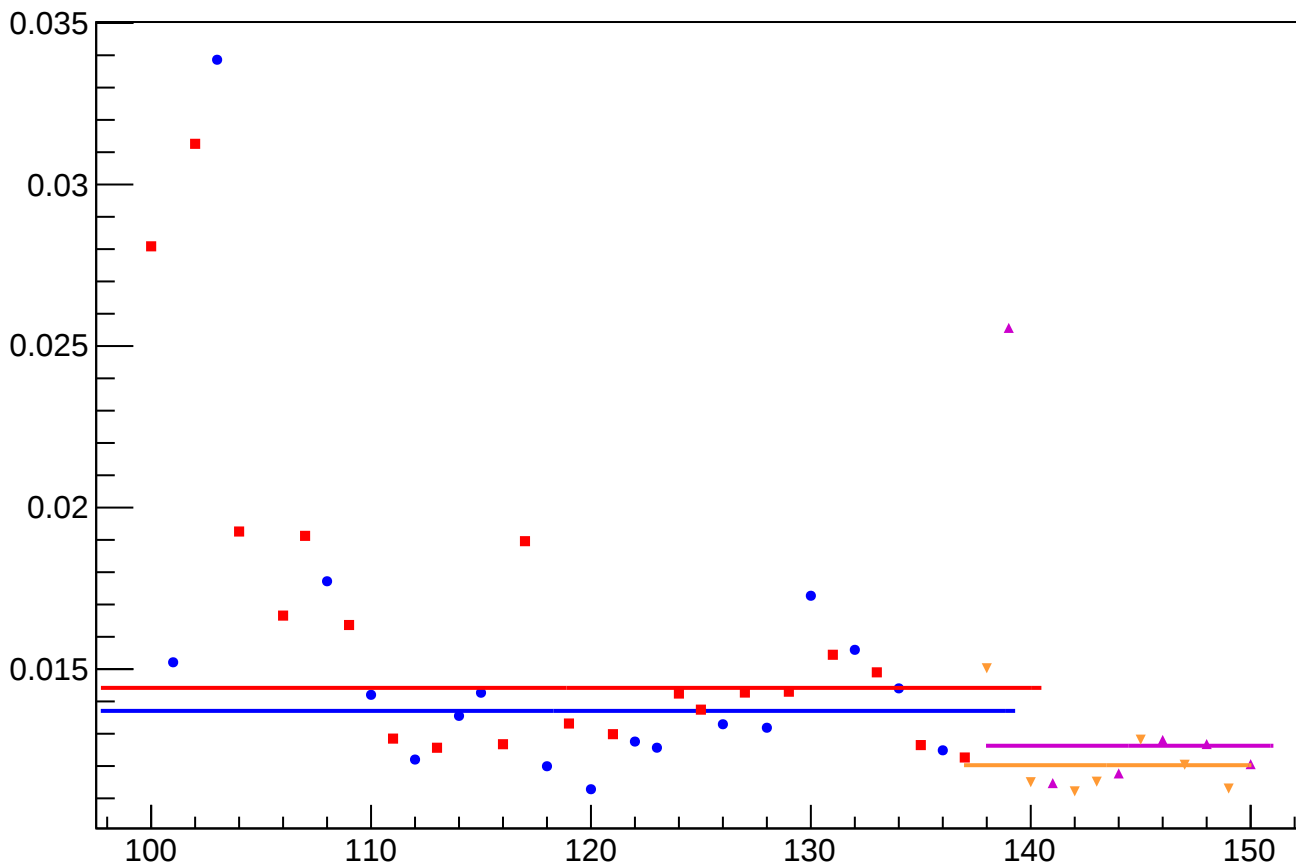
Left In: 0.778+/-0.000 χ^2/NDF : 71194176.8/5

0.878+/-0.000 χ^2/NDF : 658386808.7/23

0.866+/-0.000 χ^2/NDF : 1407832604.8/49

0.854+/-0.000 χ^2/NDF : 732452509.9/25

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 : 66361.7/6

Right Out: 0.014+/-0.000 χ^2/NDF : 506553.4/19

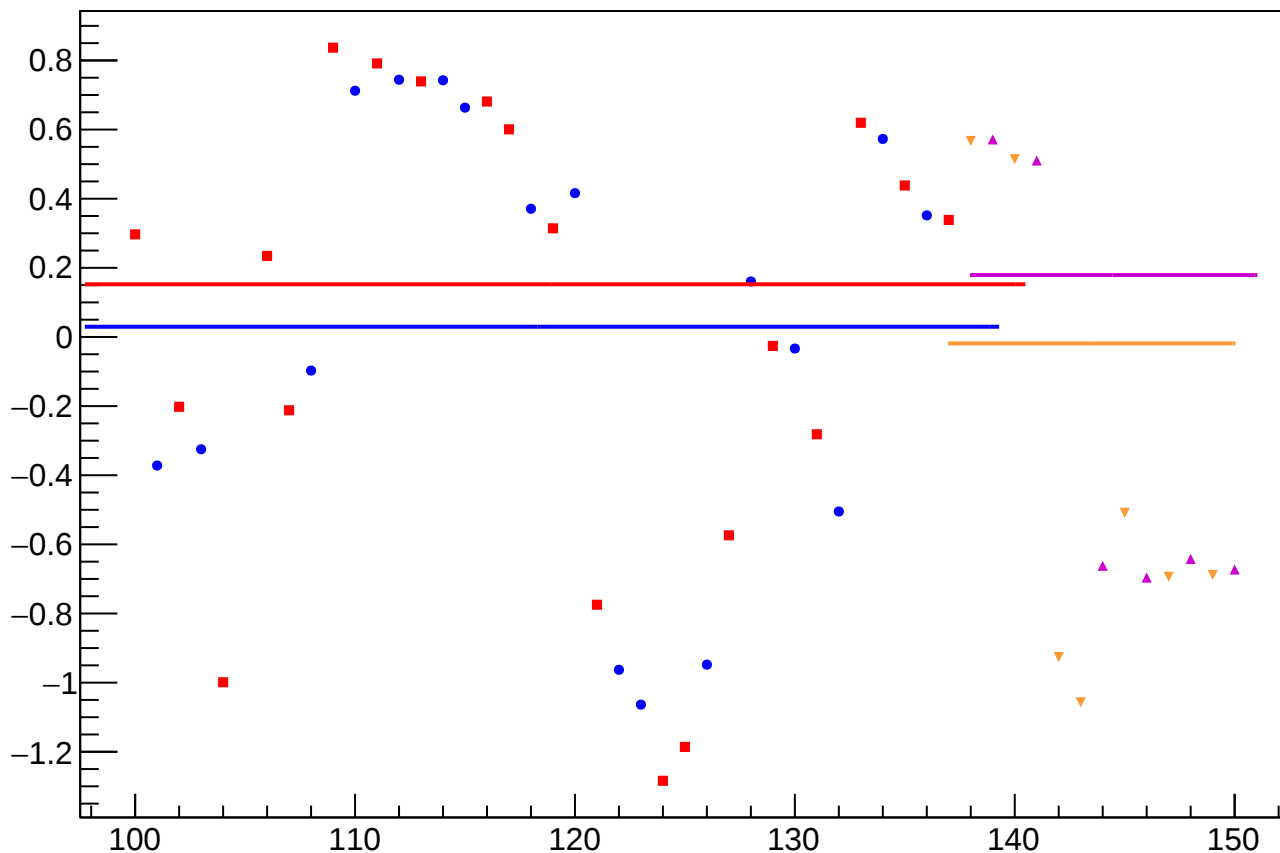
Left In: 0.013+/-0.000 χ^2/NDF : 362843.1/5

0.013+/-0.000 χ^2/NDF : 697082.1/23

0.013+/-0.000 χ^2/NDF : 1682188.3/49

0.014+/-0.000 χ^2/NDF : 958522.0/25

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 6294824795.0/16

Left Out: -0.019 $\pm$ 0.000 χ^2 /NDF: 16504402315.6/6

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12673501089.9/19

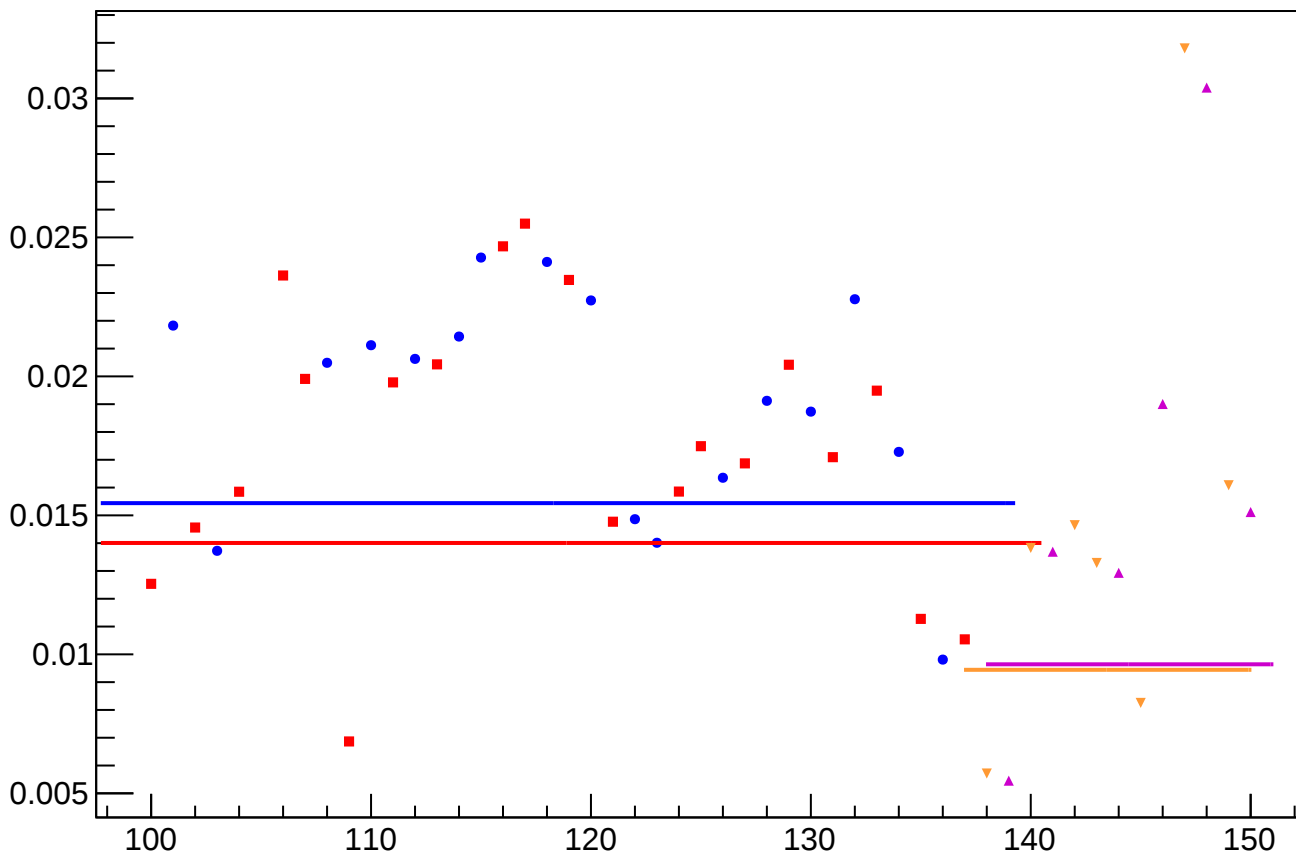
Left In: 0.179 $\pm$ 0.000 χ^2 /NDF: 11974166034.0/5

-0.001 $\pm$ 0.000 χ^2 /NDF: 22834071762.6/23

0.084 $\pm$ 0.000 χ^2 /NDF: 48407971262.7/4

0.167 $\pm$ 0.000 χ^2 /NDF: 24659182247.6/25

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015 $\pm$ 0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 1895576.1/6

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 1576149.9/19

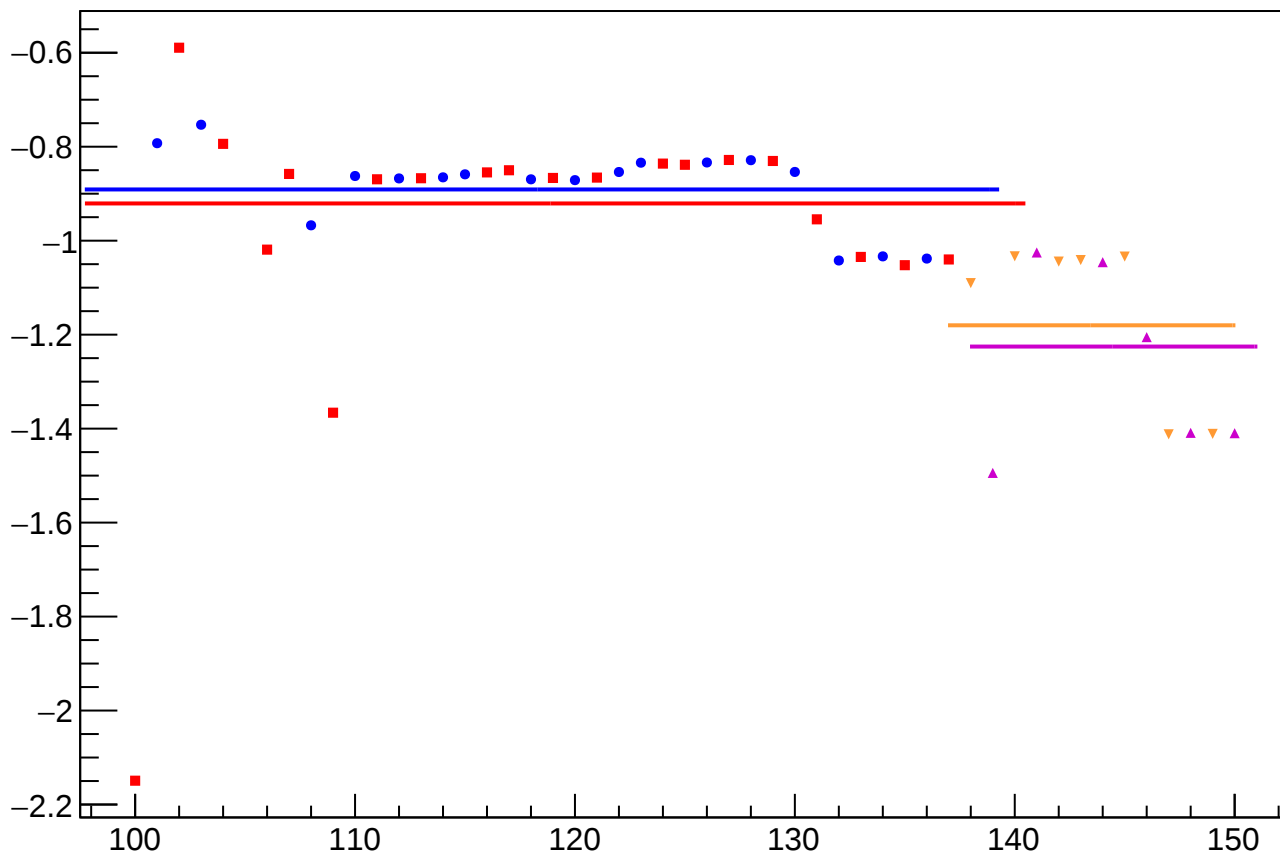
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 2262073.8/5

0.012 $\pm$ 0.000 χ^2/NDF : 4129890.5/23

0.012 $\pm$ 0.000 χ^2/NDF : 8583658.6/49

0.012 $\pm$ 0.000 χ^2/NDF : 4452877.5/25

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.891+/-0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.180+/-0.000 χ^2/NDF : 140062267.8/6

Right Out: -0.921+/-0.000 χ^2/NDF : 131271770.4/19

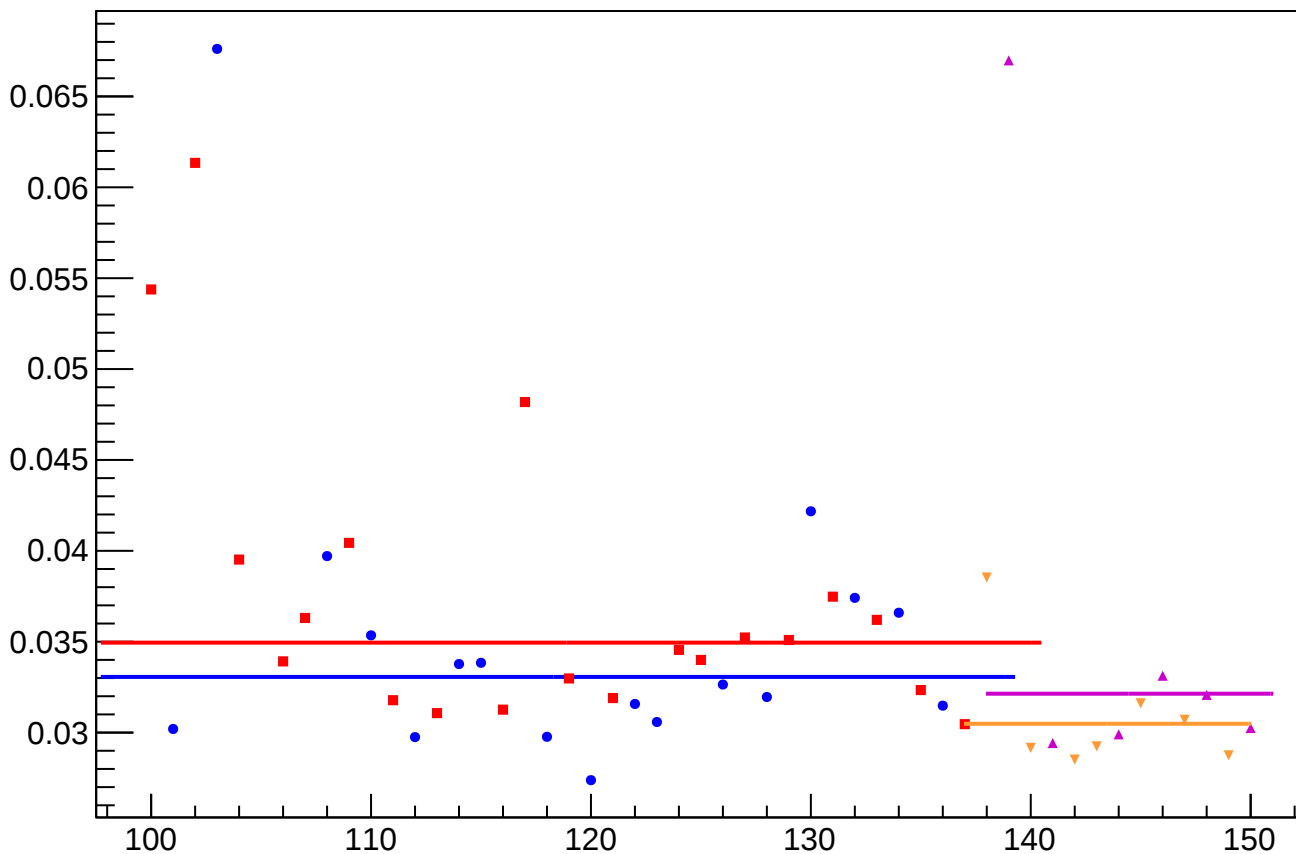
Left In: -1.225+/-0.000 χ^2/NDF : 123404909.2/5

-1.022+/-0.000 χ^2/NDF : 383003764.9/23

-1.038+/-0.000 χ^2/NDF : 851473636.3/49

-1.056+/-0.000 χ^2/NDF : 463079567.2/25

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 409286.7/16

Left Out: 0.030+/-0.000 χ^2/NDF : 66811.9/6

Right Out: 0.035+/-0.000 χ^2/NDF : 280500.4/19

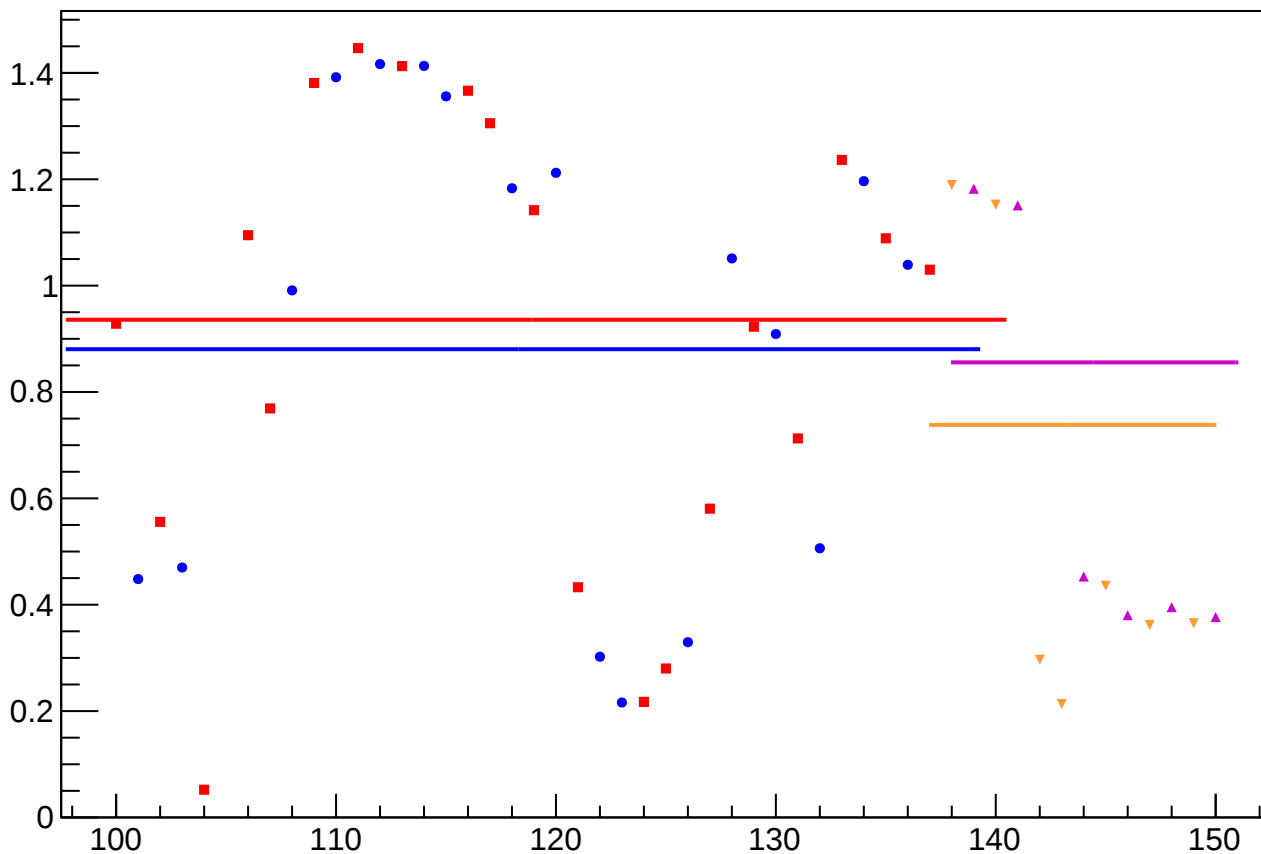
Left In: 0.032+/-0.000 χ^2/NDF : 383397.0/5

0.032+/-0.000 χ^2/NDF : 508402.6/23

0.033+/-0.000 χ^2/NDF : 1238651.6/49

0.034+/-0.000 χ^2/NDF : 699339.5/25

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.880 $\pm$ 0.000 χ^2/NDF : 6400108121.4/16

Left Out: 0.738 $\pm$ 0.000 χ^2/NDF : 11903714947.0/6

Right Out: 0.936 $\pm$ 0.000 χ^2/NDF : 9851303698.9/19

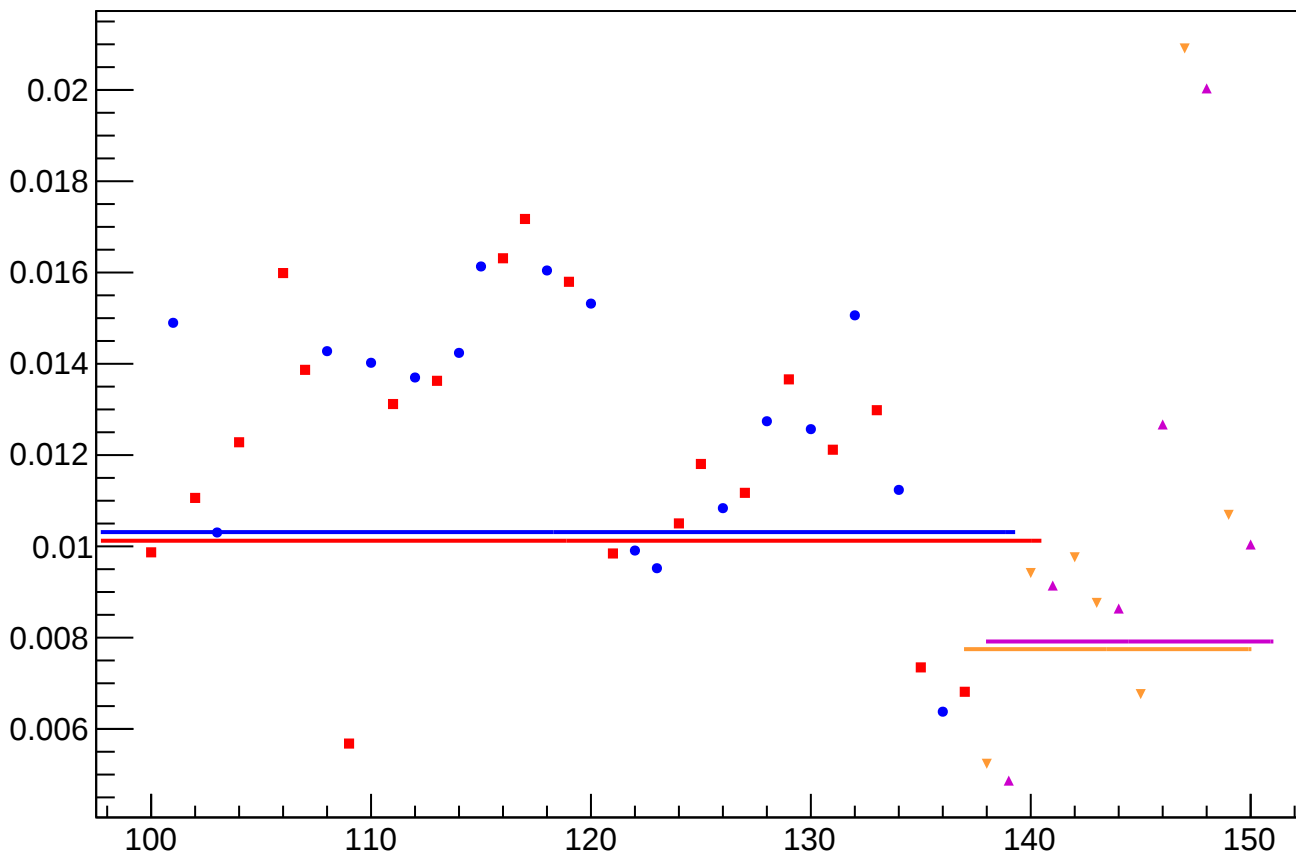
Left In: 0.856 $\pm$ 0.000 χ^2/NDF : 8809058980.3/5

0.800 $\pm$ 0.000 χ^2/NDF : 18906650514.7/23

0.847 $\pm$ 0.000 χ^2/NDF : 38289437563.4/4

0.894 $\pm$ 0.000 χ^2/NDF : 18851672238.5/25

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010 +/- 0.000 χ^2/NDF : 1231066.2/16

Left Out: 0.008 +/- 0.000 χ^2/NDF : 1144587.6/6

Right Out: 0.010 +/- 0.000 χ^2/NDF : 1191429.9/19

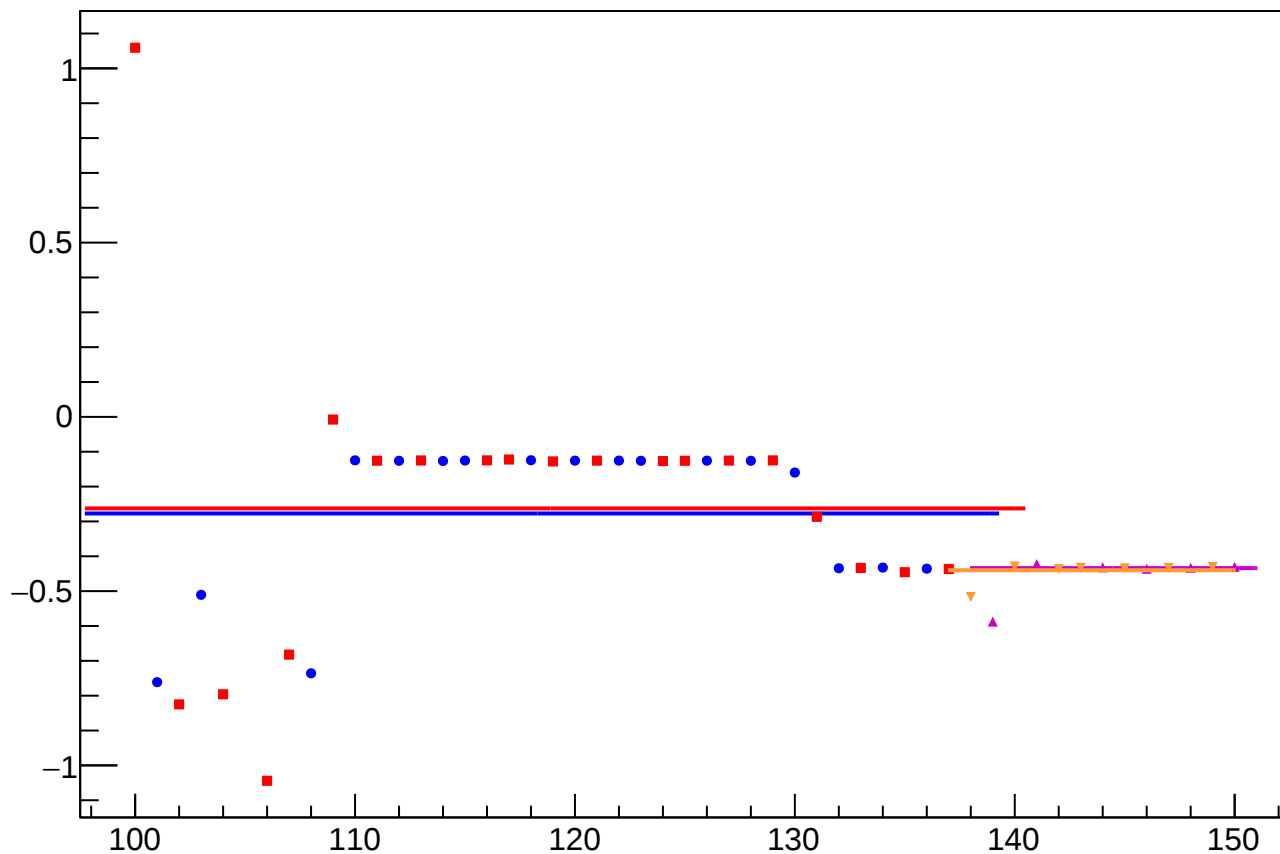
Left In: 0.008 +/- 0.000 χ^2/NDF : 1369996.9/5

0.009 +/- 0.000 χ^2/NDF : 2767168.9/23

0.009 +/- 0.000 χ^2/NDF : 5620292.8/49

0.009 +/- 0.000 χ^2/NDF : 2851663.1/25

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.277+/-0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.440+/-0.000 χ^2/NDF : 23687055.2/6

Right Out: -0.263+/-0.000 χ^2/NDF : 1009303829.9/19

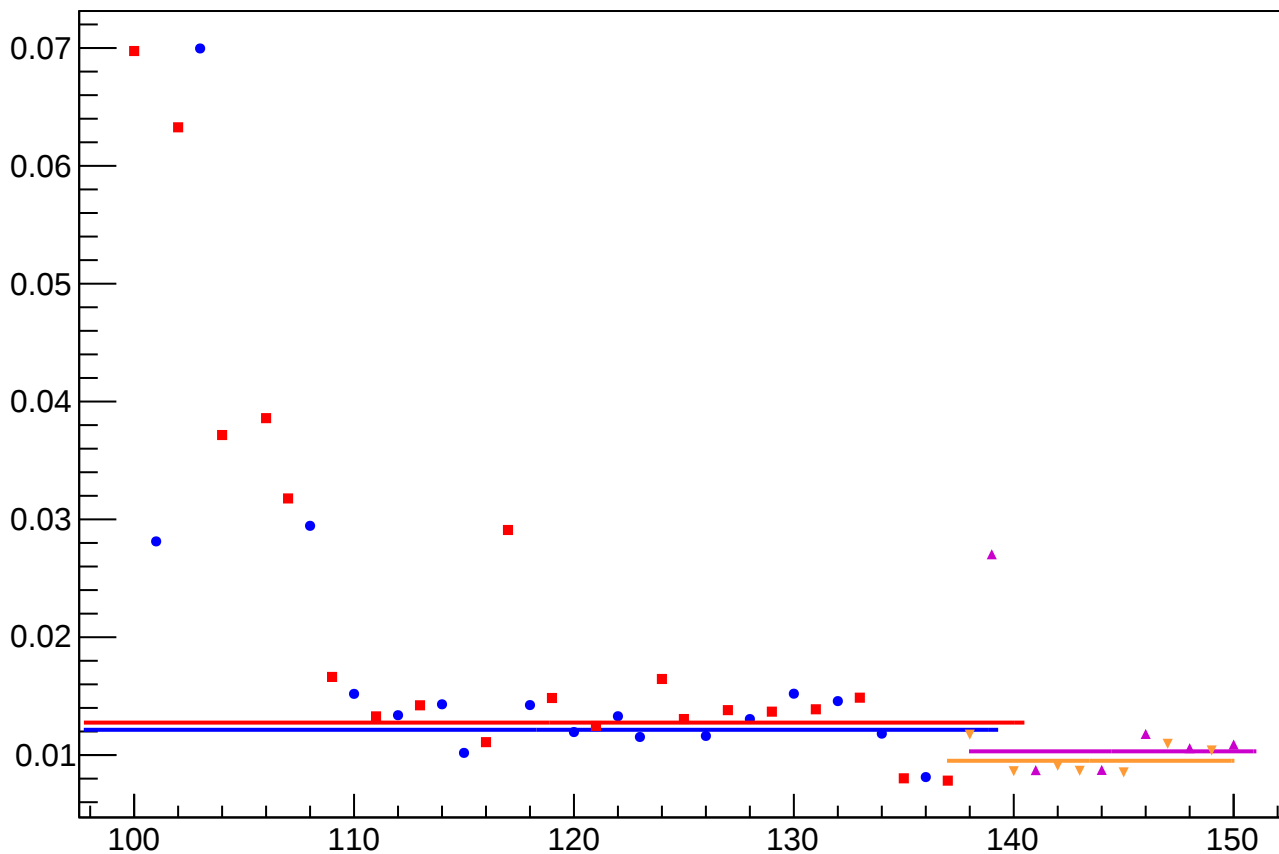
Left In: -0.434+/-0.000 χ^2/NDF : 22657870.3/5

-0.370+/-0.000 χ^2/NDF : 1446735811.1/23

-0.363+/-0.000 χ^2/NDF : 2961165664.4/49

-0.355+/-0.000 χ^2/NDF : 1506997421.6/25

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 : 107723.5/6

Right Out: 0.013 ± 0.000 χ^2/NDF : 1993726.2/19

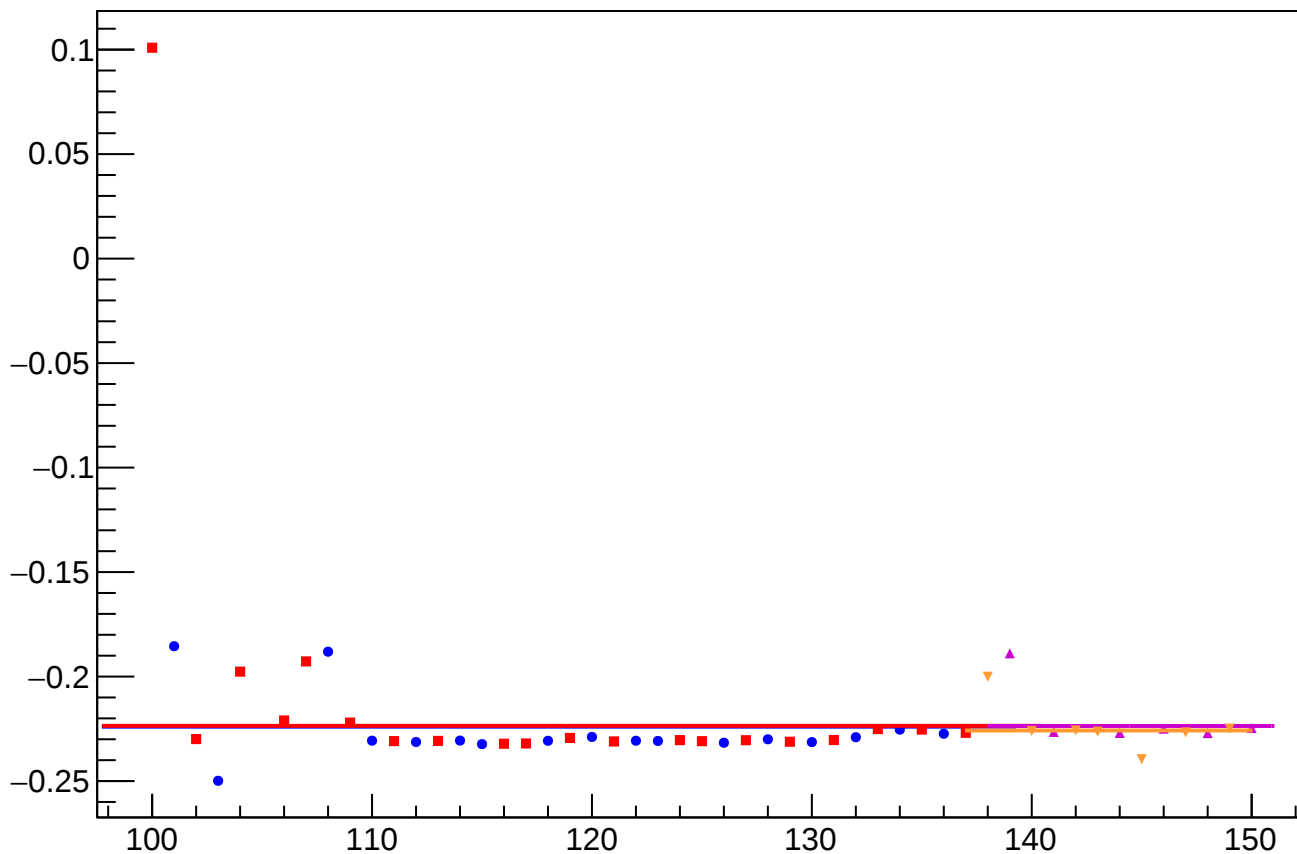
Left In: 0.010 ± 0.000 χ^2/NDF : 620418.6/5

0.011 ± 0.000 χ^2/NDF : 2086792.6/23

0.011 ± 0.000 χ^2/NDF : 4936788.2/49

0.011 ± 0.000 χ^2/NDF : 2806679.9/25

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 : 20512481.1/6

Right Out: -0.224 +/- 0.000 χ^2/NDF : 168231258.4/19

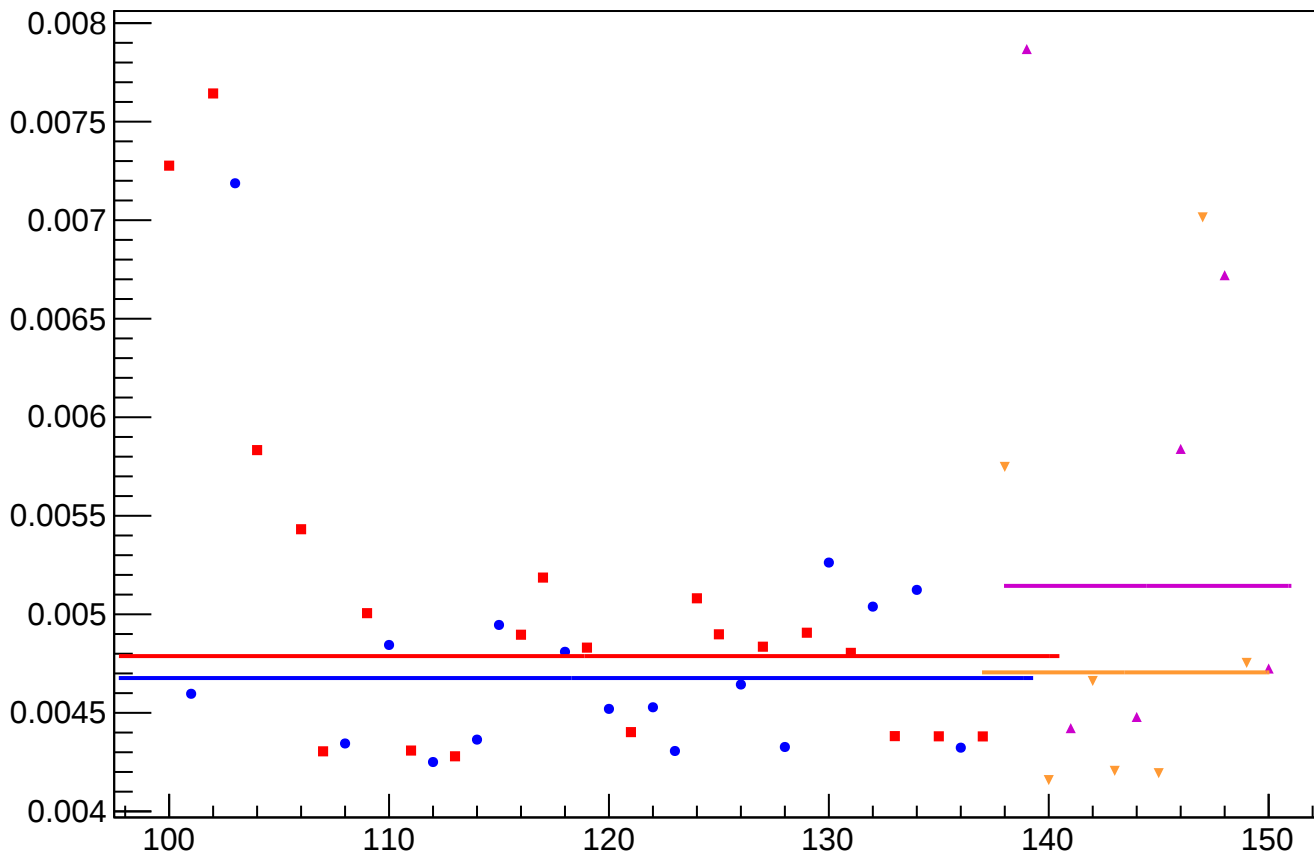
Left In: -0.224 +/- 0.000 χ^2/NDF : 13546261.6/5

-0.225 +/- 0.000 χ^2/NDF : 95616508.0/23

-0.224 +/- 0.000 χ^2/NDF : 277680679.4/49

-0.224 +/- 0.000 χ^2/NDF : 181777823.9/25

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 : 271602.9/6

Right Out: 0.005+/-0.000 χ^2/NDF : 248668.3/19

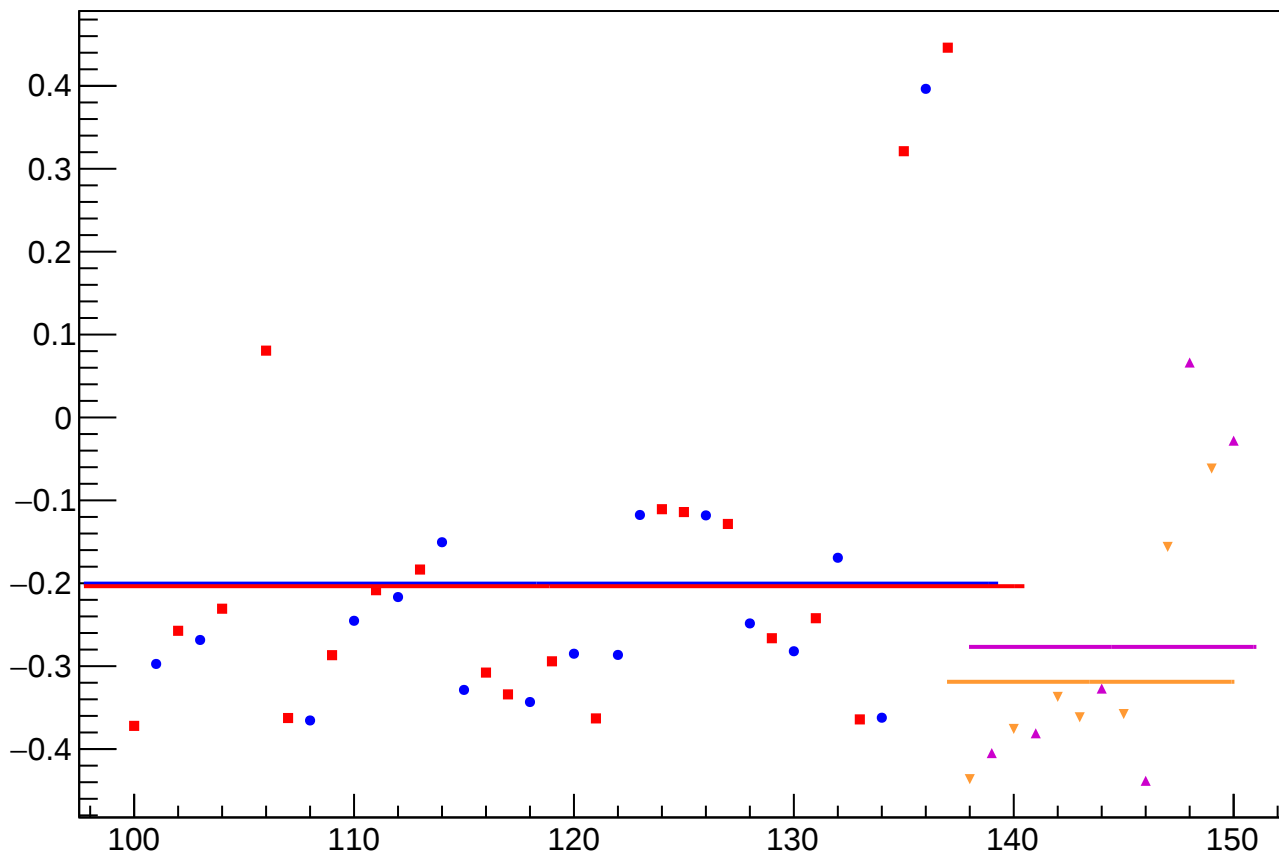
Left In: 0.005+/-0.000 χ^2/NDF : 347462.2/5

0.005+/-0.000 χ^2/NDF : 453130.0/23

0.005+/-0.000 χ^2/NDF : 1100100.9/49

0.005+/-0.000 χ^2/NDF : 622449.4/25

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.200 ± 0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.319 ± 0.000 χ^2/NDF : 2284642102.9/6

Right Out: -0.204 ± 0.000 χ^2/NDF : 5045878528.0/19

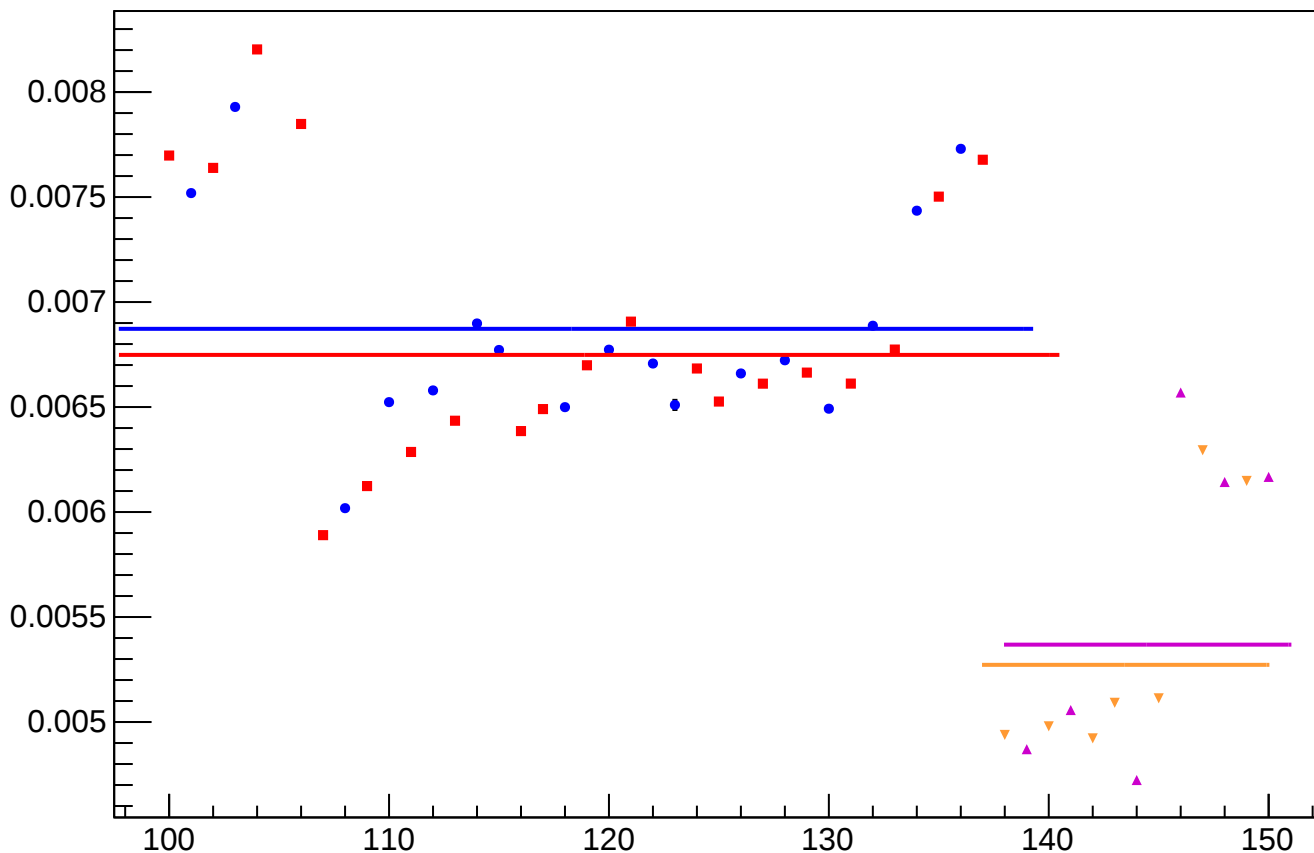
Left In: -0.277 ± 0.000 χ^2/NDF : 4617303635.8/5

-0.264 ± 0.000 χ^2/NDF : 9309574171.5/23

-0.252 ± 0.000 χ^2/NDF : 19466415107.8/4

-0.240 ± 0.000 χ^2/NDF : 10065692109.5/25

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 : 82120.8/6

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 105262.1/19

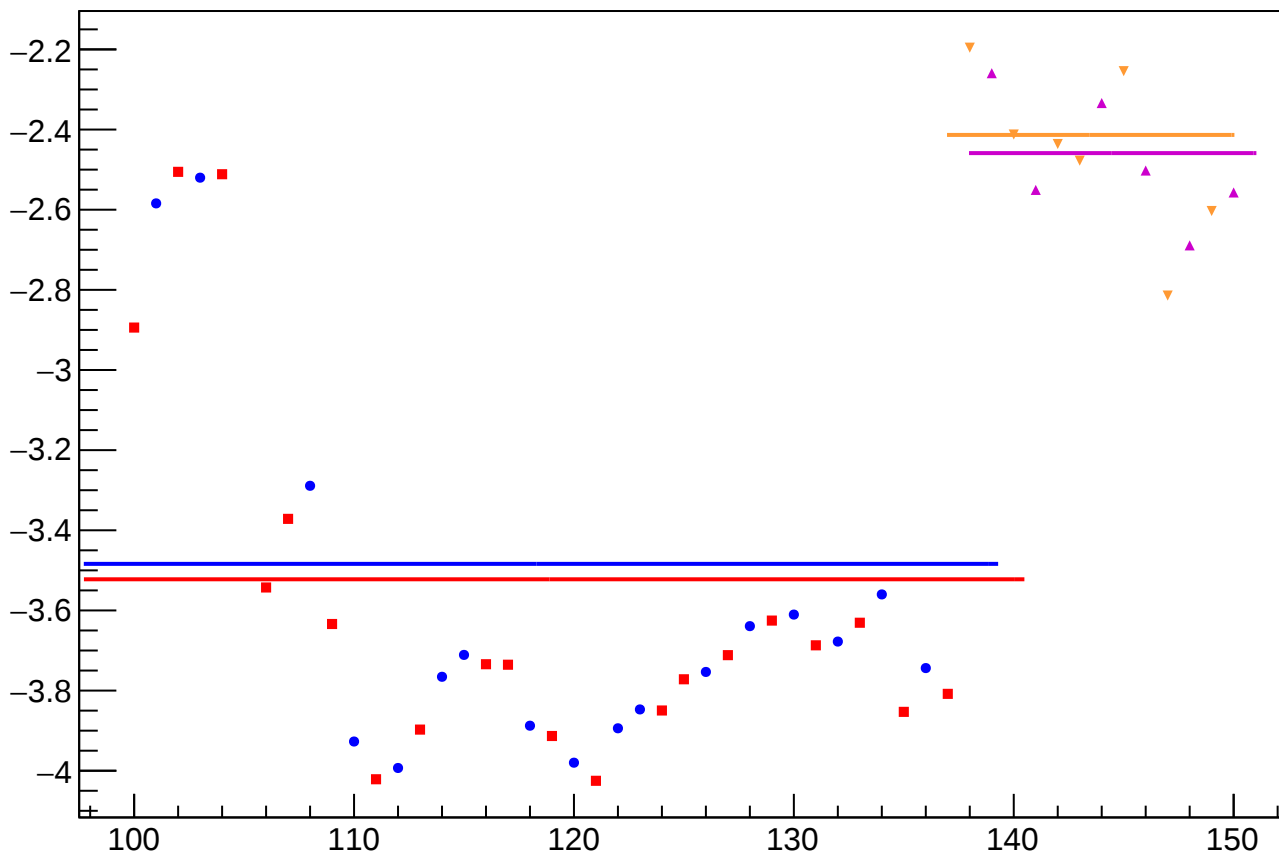
Left In: 0.005 $\pm$ 0.000 χ^2/NDF : 139090.3/5

0.006 $\pm$ 0.000 χ^2/NDF : 544713.4/23

0.006 $\pm$ 0.000 χ^2/NDF : 1076044.6/49

0.006 $\pm$ 0.000 χ^2/NDF : 530345.8/25

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.484+/-0.000 χ^2 /NDF: 27174302276.9/16

Left Out: -2.413+/-0.000 χ^2 /NDF:1260603059.6/6

Right Out: -3.522+/-0.000 χ^2 /NDF: 26497611752.4/19

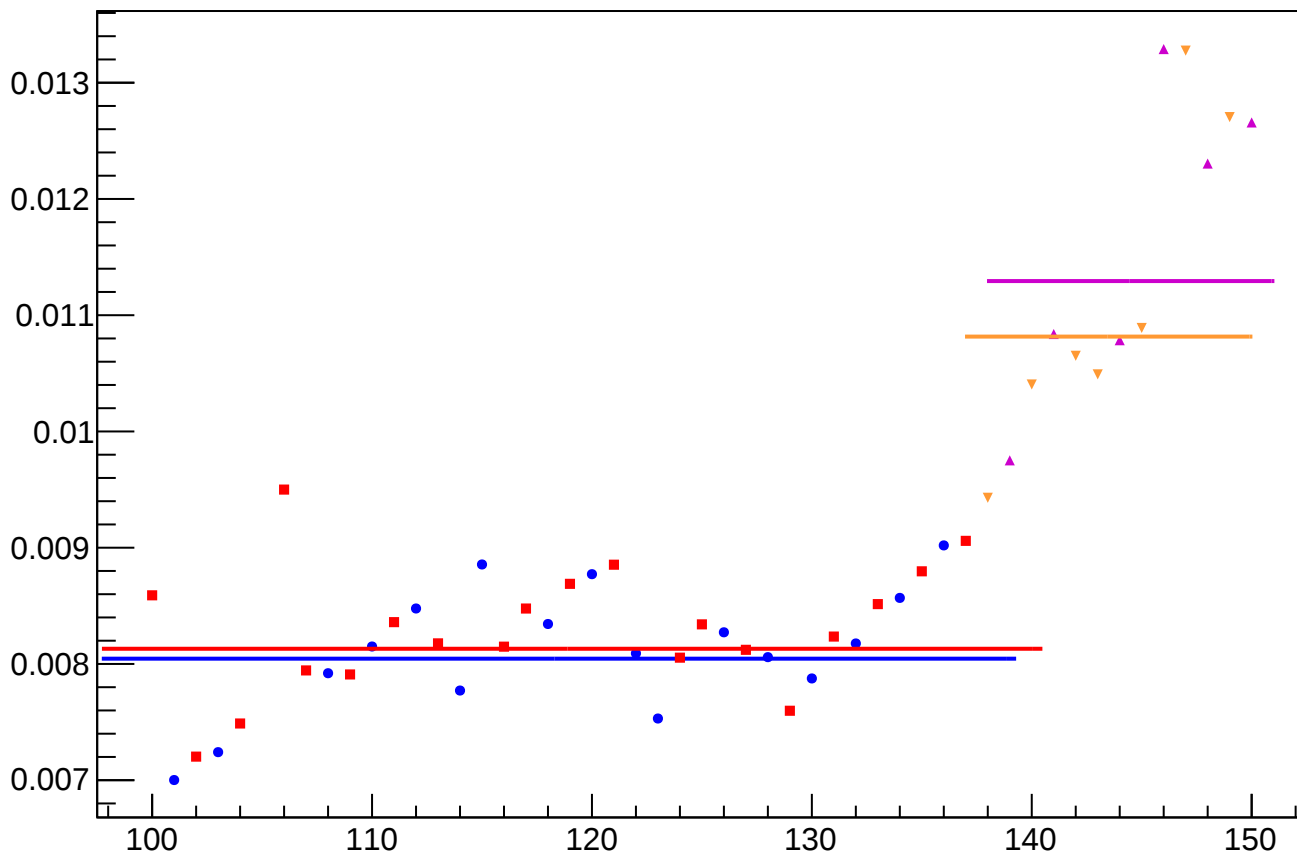
Left In: -2.459+/-0.000 χ^2 /NDF:742532412.4/5

-3.189+/-0.000 χ^2 /NDF: 60193468520.1/23

-3.224+/-0.000 χ^2 /NDF: 116607213825.6

-3.259+/-0.000 χ^2 /NDF: 56069963179.4/25

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 71989.8/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 107388.5/6

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 57613.2/19

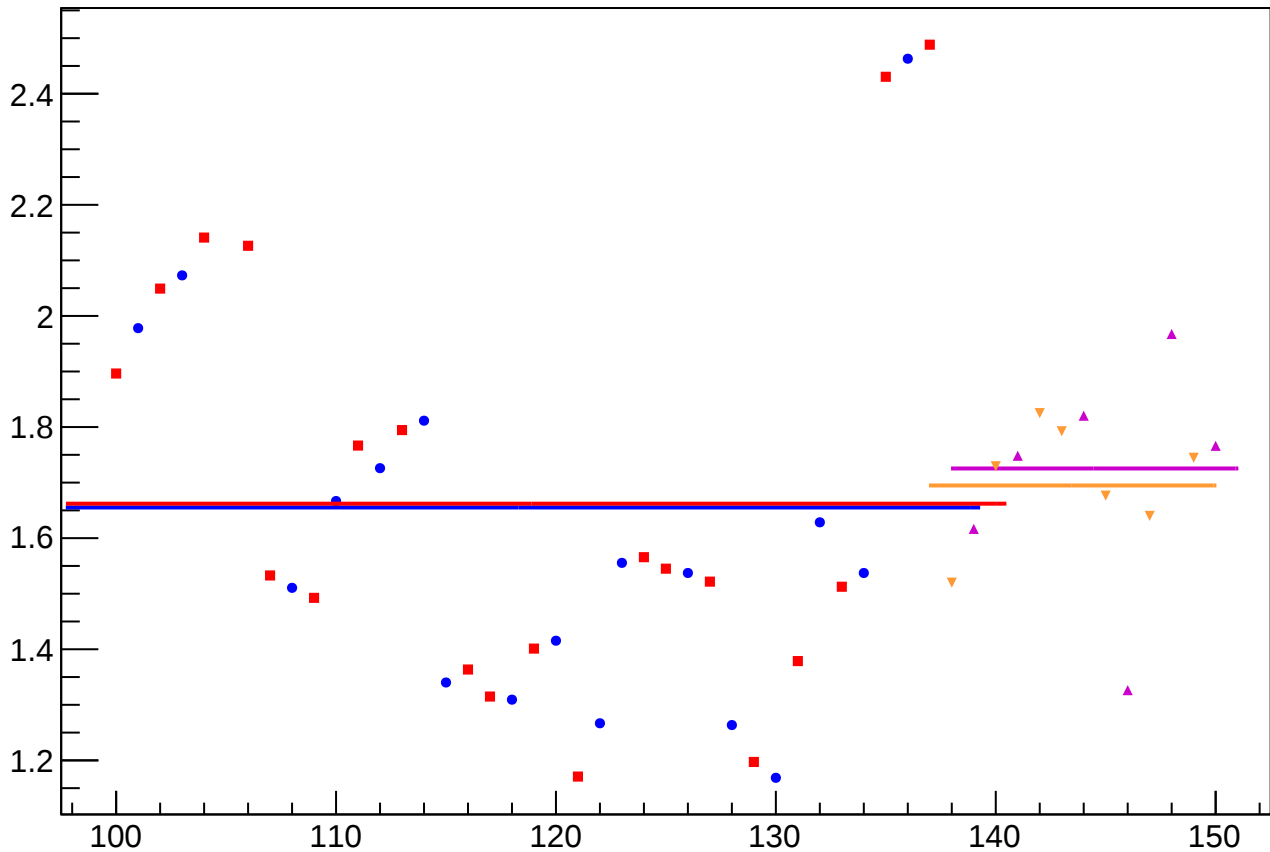
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 94267.2/5

0.009 $\pm$ 0.000 χ^2/NDF : 604953.6/23

0.009 $\pm$ 0.000 χ^2/NDF : 1268342.5/49

0.009 $\pm$ 0.000 χ^2/NDF : 661910.1/25

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.655+/-0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.695+/-0.000 χ^2/NDF : 331646464.1/6

Right Out: 1.662+/-0.000 χ^2/NDF : 5975345573.0/19

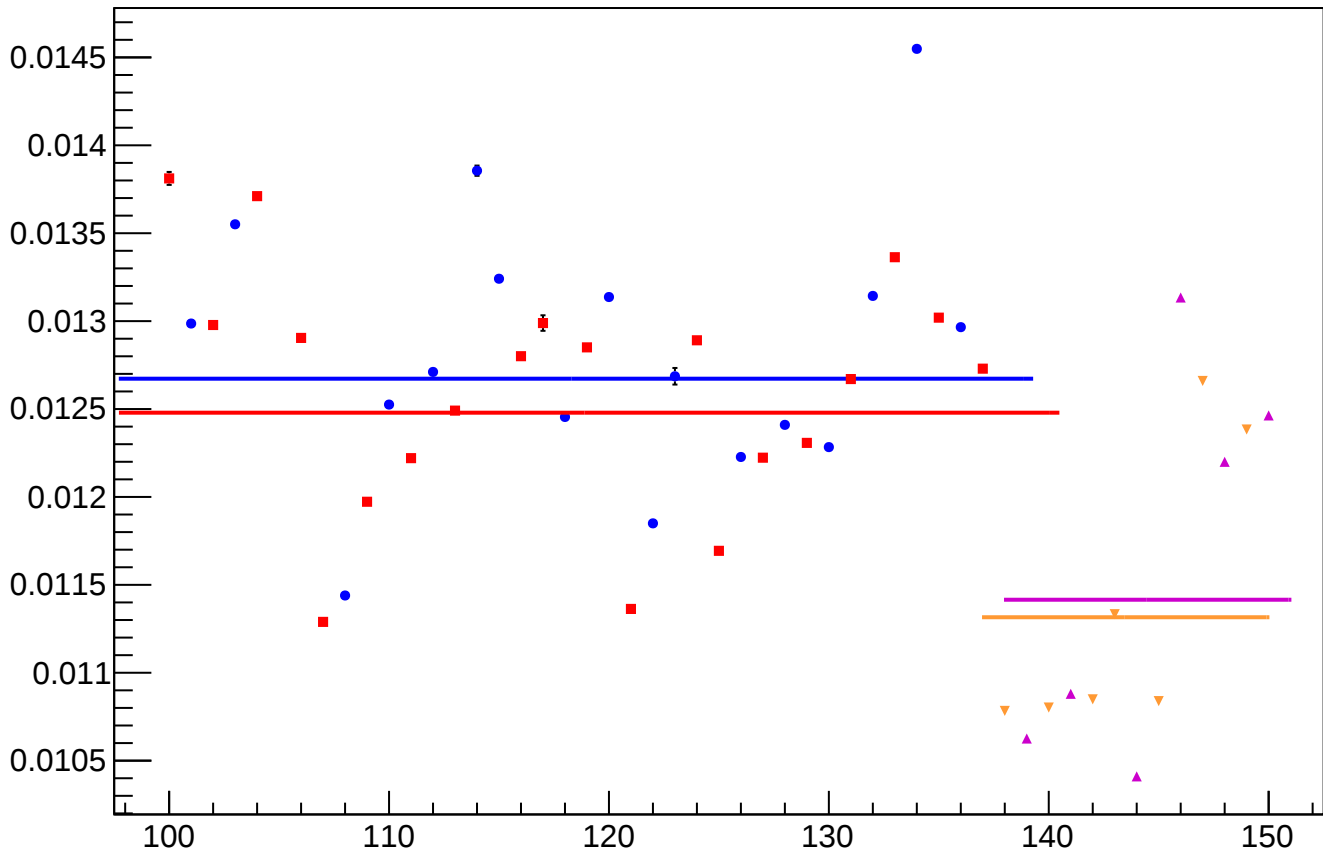
Left In: 1.725+/-0.000 χ^2/NDF : 1077209173.9/5

1.674+/-0.000 χ^2/NDF : 6838497378.8/23

1.682+/-0.000 χ^2/NDF : 13978874174.3/4

1.690+/-0.000 χ^2/NDF : 7130669771.6/25

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 : 38522.5/6

Right Out: 0.012 $\pm$ 0.000 χ^2/NDF : 39268.9/19

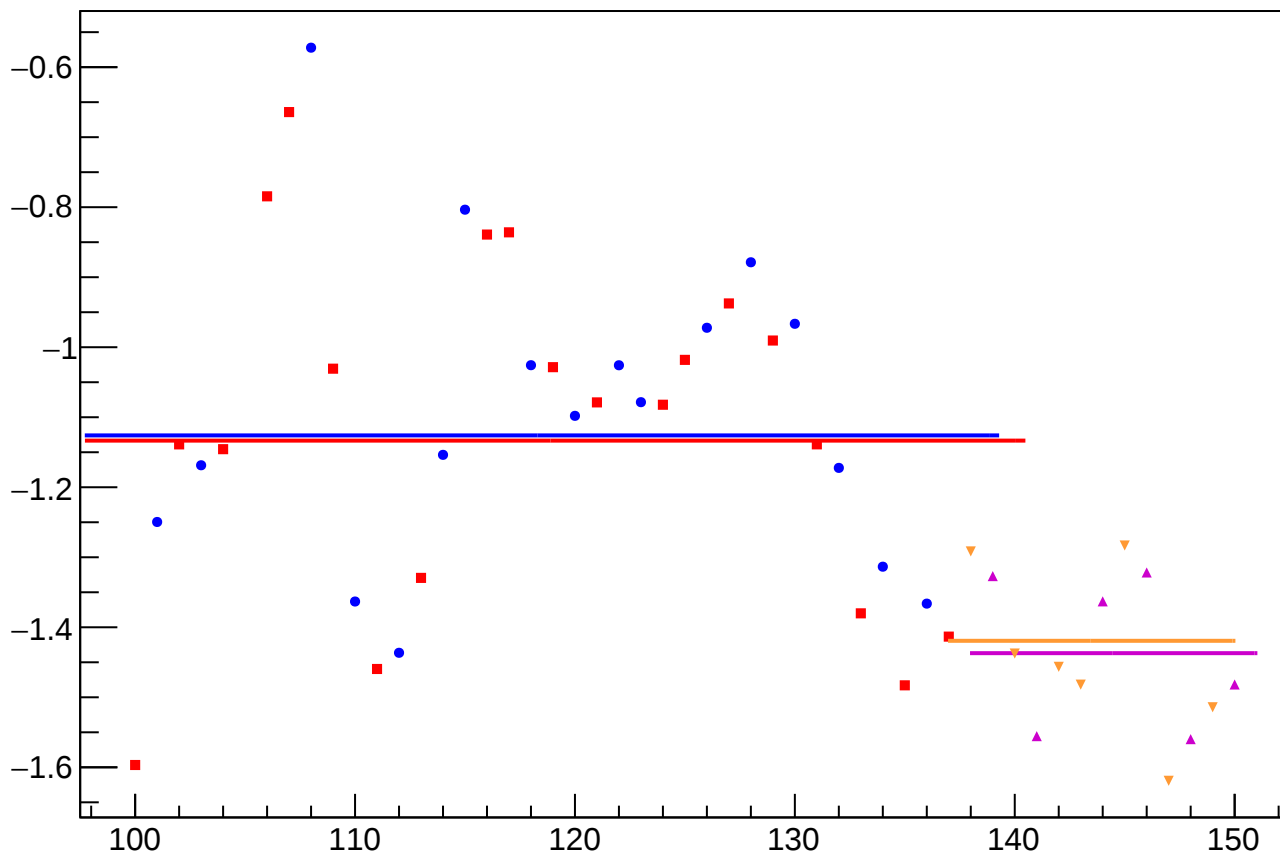
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 67932.8/5

0.012 $\pm$ 0.000 χ^2/NDF : 141673.2/23

0.012 $\pm$ 0.000 χ^2/NDF : 292936.3/49

0.012 $\pm$ 0.000 χ^2/NDF : 151245.9/25

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.419+/-0.000 χ^2/NDF : 659191387.4/6

Right Out: -1.133+/-0.000 χ^2/NDF : 3706528266.7/19

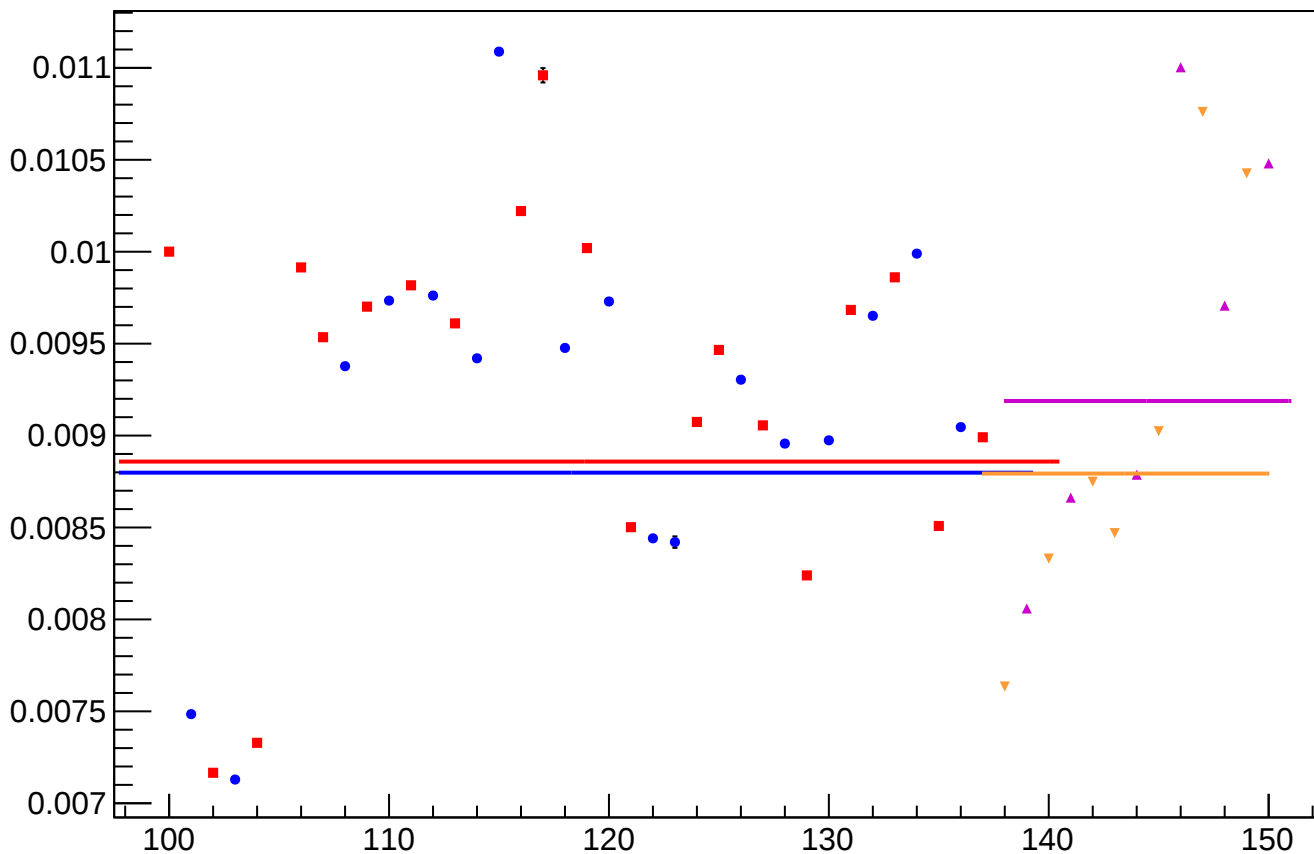
Left In: -1.437+/-0.000 χ^2/NDF : 525871601.5/5

-1.246+/-0.000 χ^2/NDF : 7143993334.0/23

-1.247+/-0.000 χ^2/NDF : 14306032139.7/4

-1.247+/-0.000 χ^2/NDF : 7161990393.4/25

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 151586.8/16

Left Out: 0.009+/-0.000 χ^2/NDF : 114507.1/6

Right Out: 0.009+/-0.000 χ^2/NDF : 176858.0/19

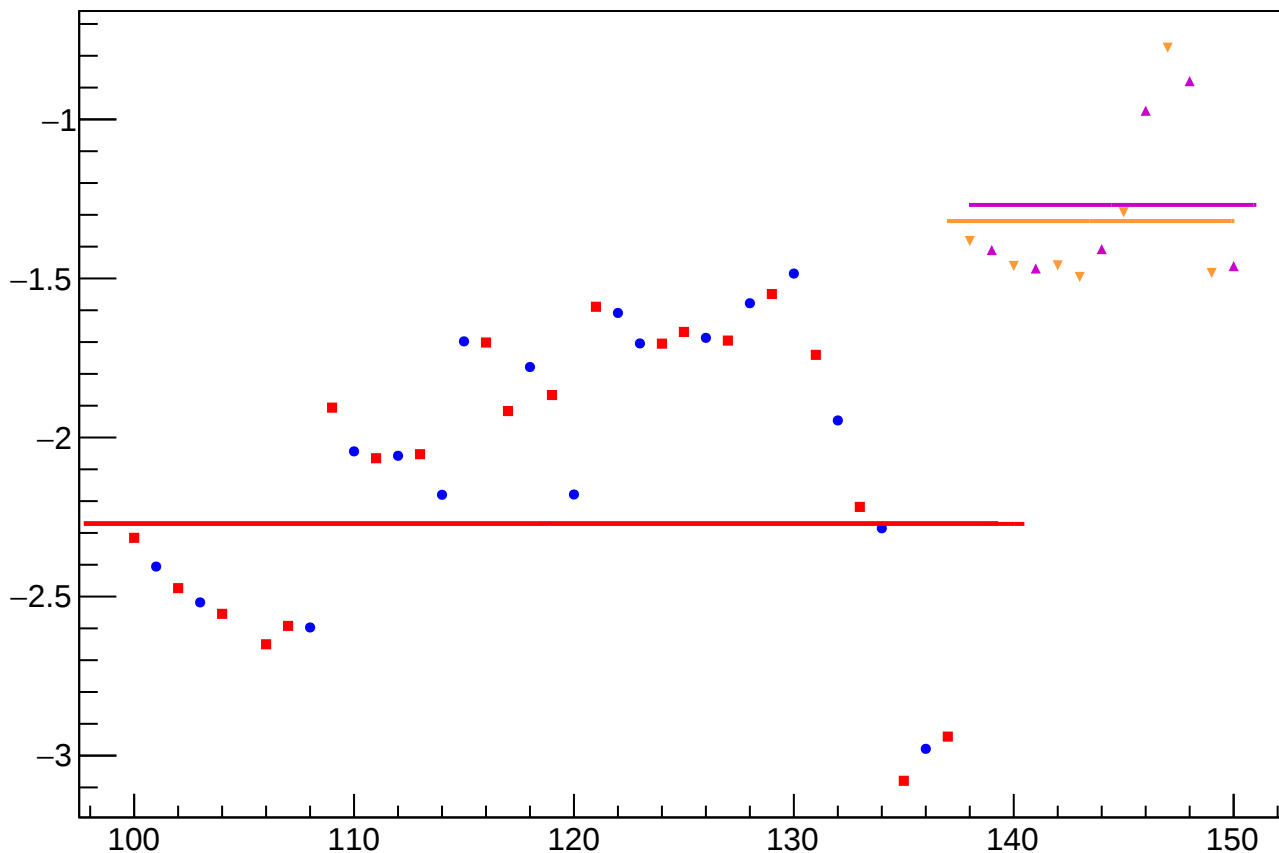
Left In: 0.009+/-0.000 χ^2/NDF : 95211.4/5

0.009+/-0.000 χ^2/NDF : 266095.6/23

0.009+/-0.000 χ^2/NDF : 549829.1/49

0.009+/-0.000 χ^2/NDF : 278975.8/25

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.270+/-0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.320+/-0.000 χ^2/NDF : 5184761351.6/6

-1.818+/-0.000 χ^2/NDF : 60428588511.2/23

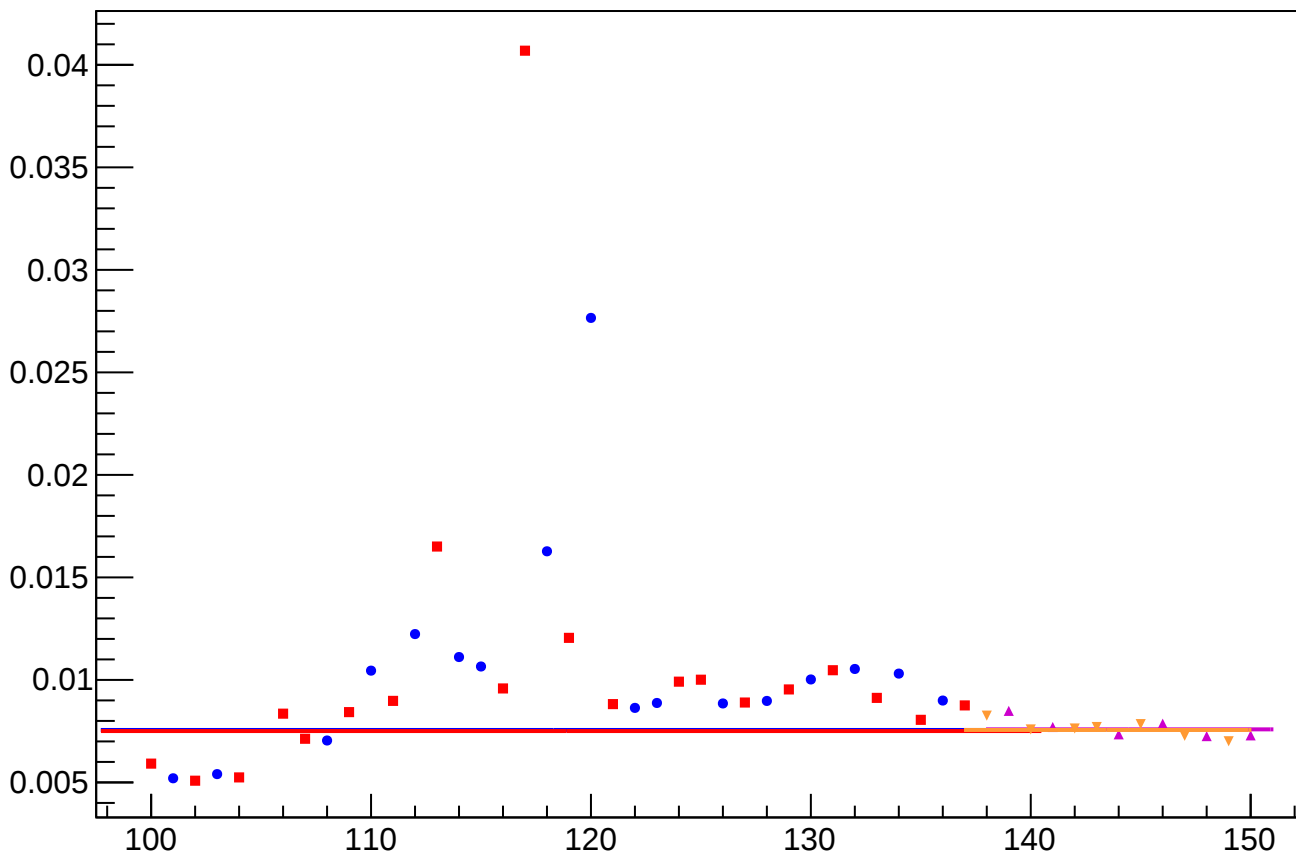
Right Out: -2.272+/-0.000 χ^2/NDF : 19012236430.2/19

-1.823+/-0.000 χ^2/NDF : 128446832792.0

-1.829+/-0.000 χ^2/NDF : 68007858212.1/25

Left In: -1.269+/-0.000 χ^2/NDF : 4763177773.9/5

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 1221004.0/16

Left Out: 0.008+/-0.000 χ^2/NDF : 22797.6/6

Right Out: 0.008+/-0.000 χ^2/NDF : 984811.6/19

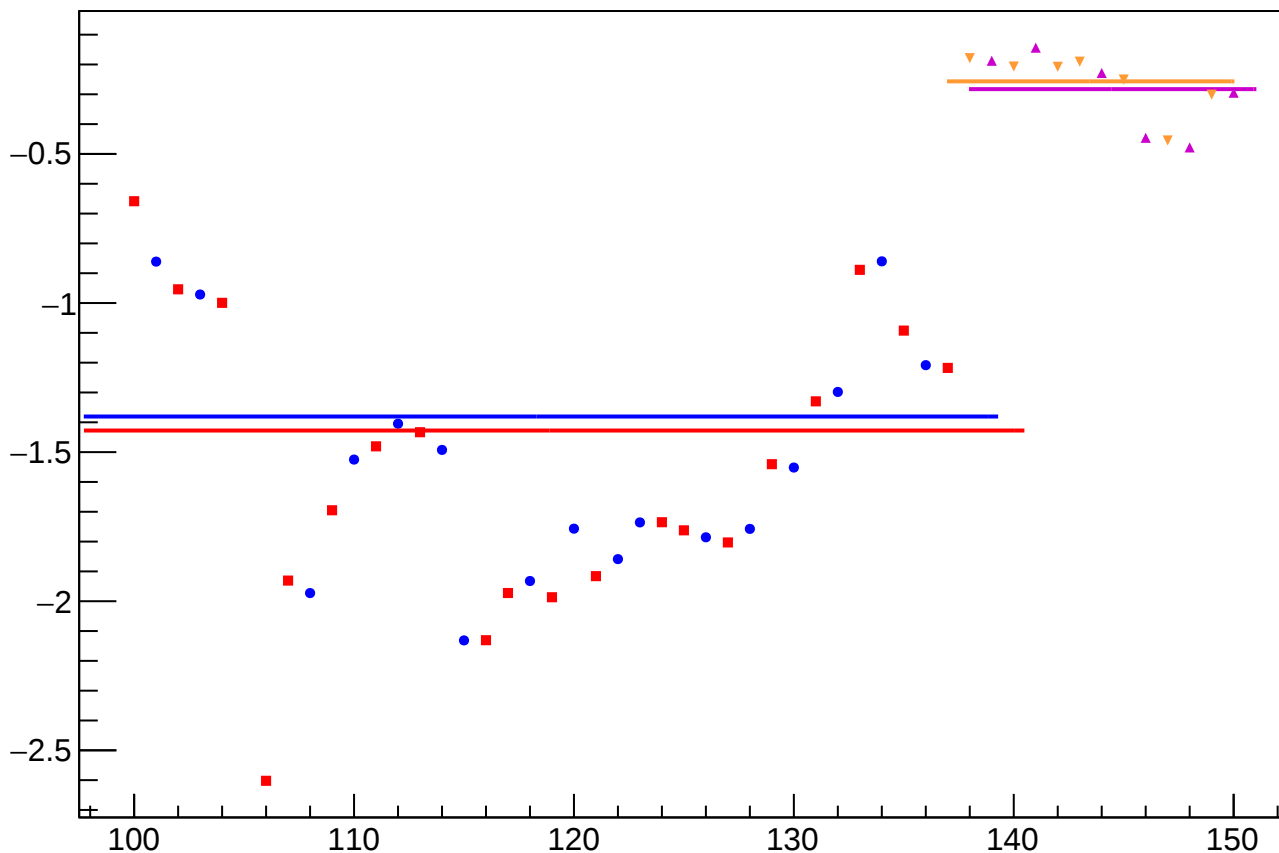
Left In: 0.008+/-0.000 χ^2/NDF : 23949.8/5

0.008+/-0.000 χ^2/NDF : 1243801.6/23

0.008+/-0.000 χ^2/NDF : 2253202.0/49

0.008+/-0.000 χ^2/NDF : 1009355.3/25

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.381 ± 0.000 $\chi^2/\text{NDF}: 20001018652.5/16$

Left Out: -0.257 ± 0.000 $\chi^2/\text{NDF}: 2123154834.9/6$

-0.614 ± 0.000 $\chi^2/\text{NDF}: 134004100092.8/23$

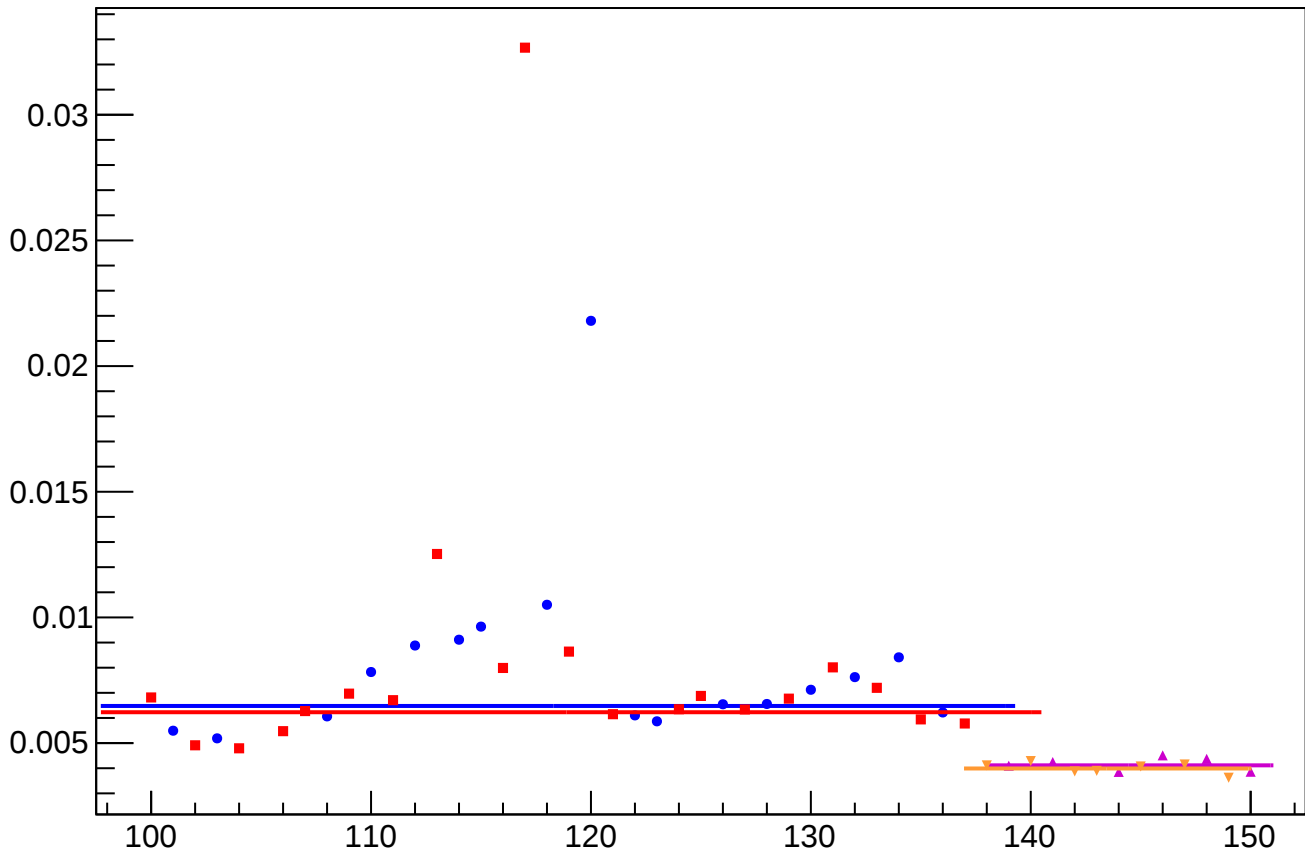
Right Out: -1.428 ± 0.000 $\chi^2/\text{NDF}: 29626603581.6/19$

-0.662 ± 0.000 $\chi^2/\text{NDF}: 293862311371.7$

-0.710 ± 0.000 $\chi^2/\text{NDF}: 157961566213.9/25$

Left In: -0.283 ± 0.000 $\chi^2/\text{NDF}: 3557997965.9/5$

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 : 26229.3/6

Right Out: 0.006+/-0.000 χ^2/NDF : 472534.6/19

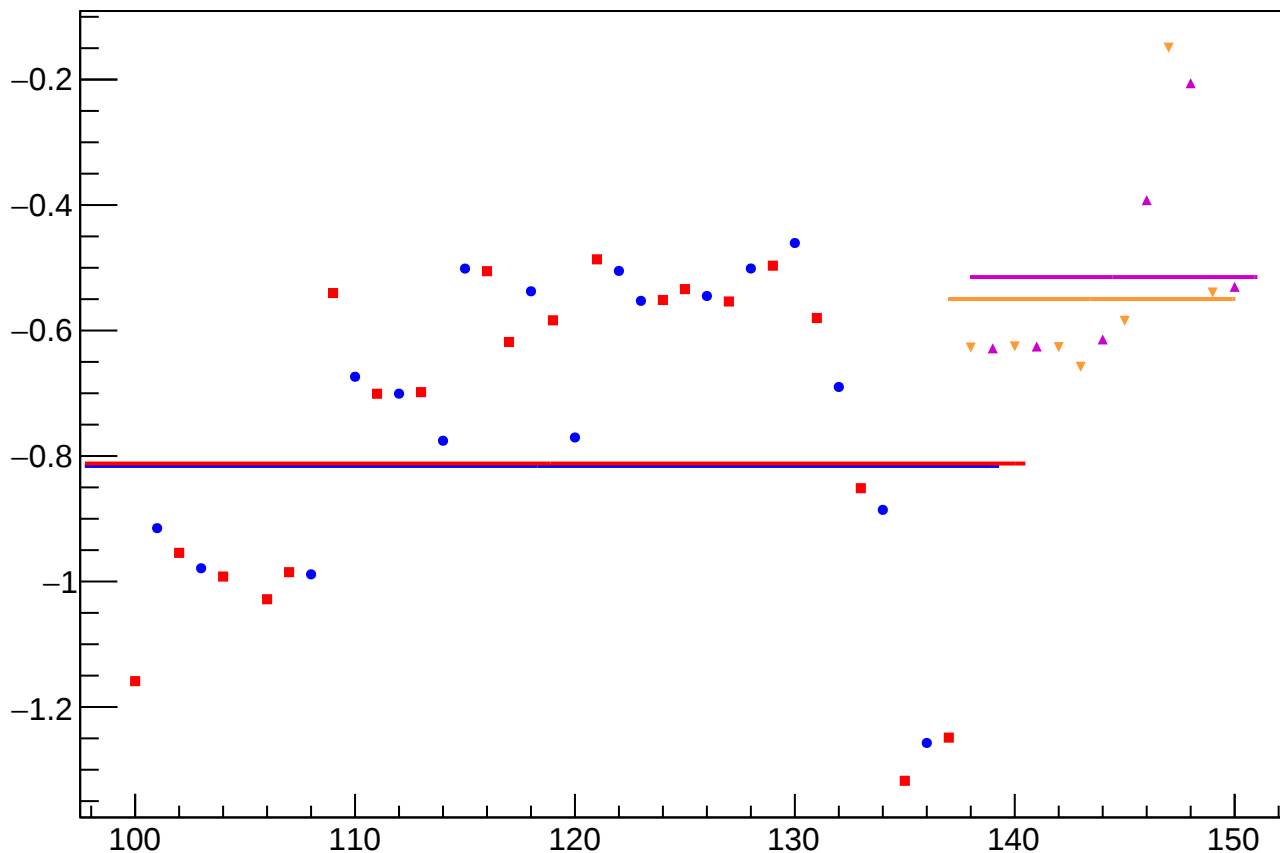
Left In: 0.004+/-0.000 χ^2/NDF : 30354.2/5

0.005+/-0.000 χ^2/NDF : 1695171.5/23

0.005+/-0.000 χ^2/NDF : 3054409.8/49

0.005+/-0.000 χ^2/NDF : 1352994.2/25

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.550+/-0.000 χ^2/NDF : 3823891387.4/6

-0.698+/-0.000 χ^2/NDF : 24155246177.4/23

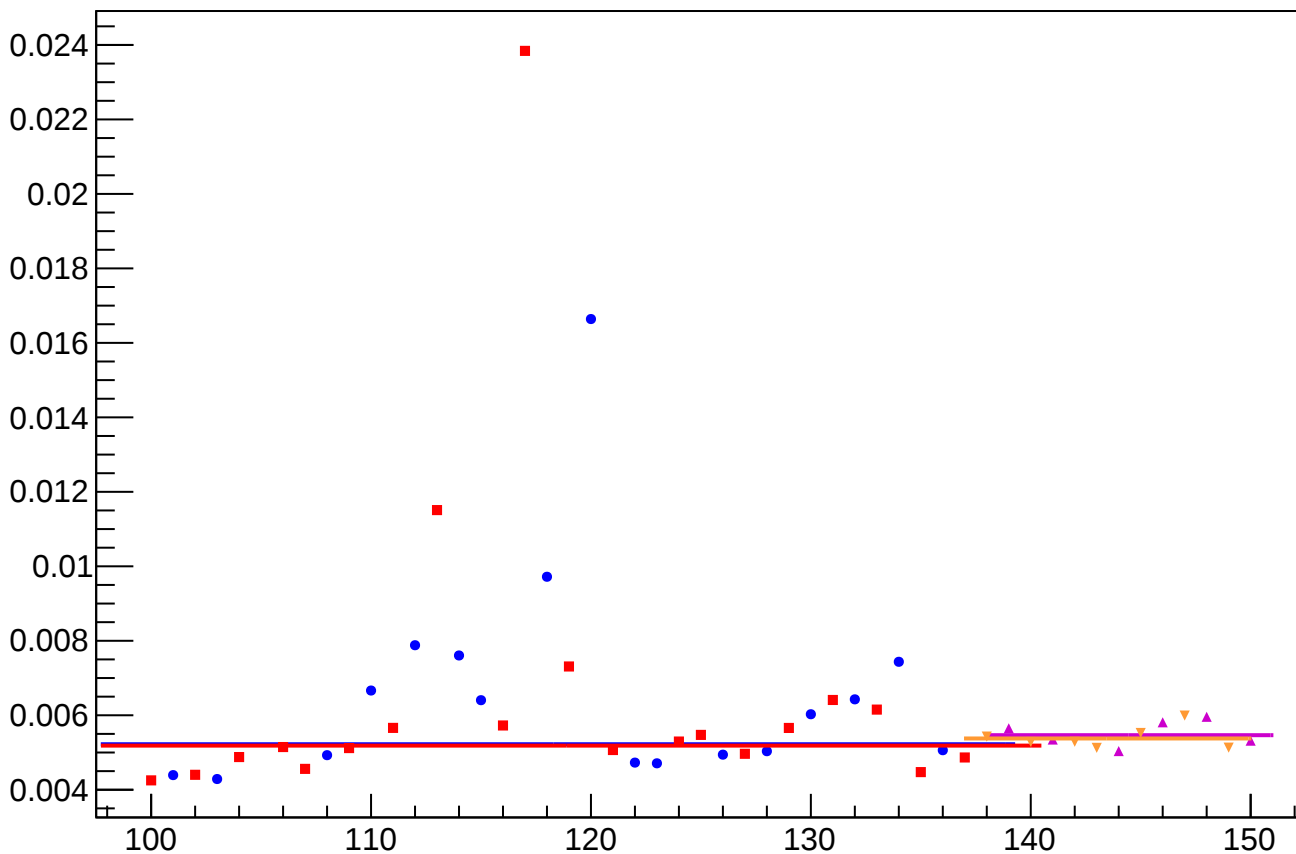
Right Out: -0.812+/-0.000 χ^2/NDF : 16818378599.3/19

-0.695+/-0.000 χ^2/NDF : 52115309323.0/4

-0.692+/-0.000 χ^2/NDF : 27953839277.6/25

Left In: -0.515+/-0.000 χ^2/NDF : 3230304315.7/5

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 : 23013.8/6

Right Out: 0.005+/-0.000 χ^2/NDF : 410640.5/19

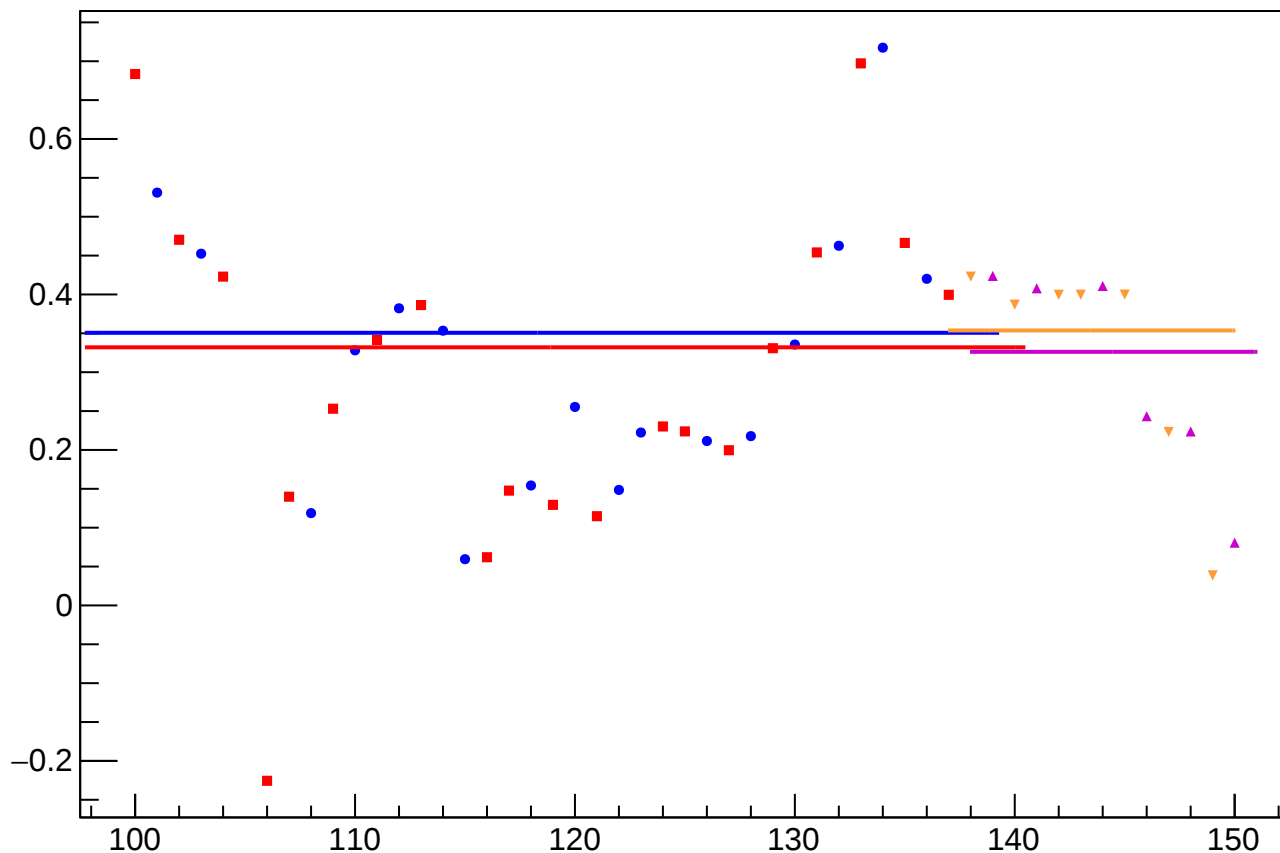
Left In: 0.005+/-0.000 χ^2/NDF : 30231.4/5

0.005+/-0.000 χ^2/NDF : 691601.2/23

0.005+/-0.000 χ^2/NDF : 1146517.5/49

0.005+/-0.000 χ^2/NDF : 454893.3/25

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.351 ± 0.000 χ^2/NDF : 7410859446.3/16

Left Out: 0.354 ± 0.000 χ^2/NDF : 3459000905.4/6

Right Out: 0.332 ± 0.000 χ^2/NDF : 11800695210.2/19

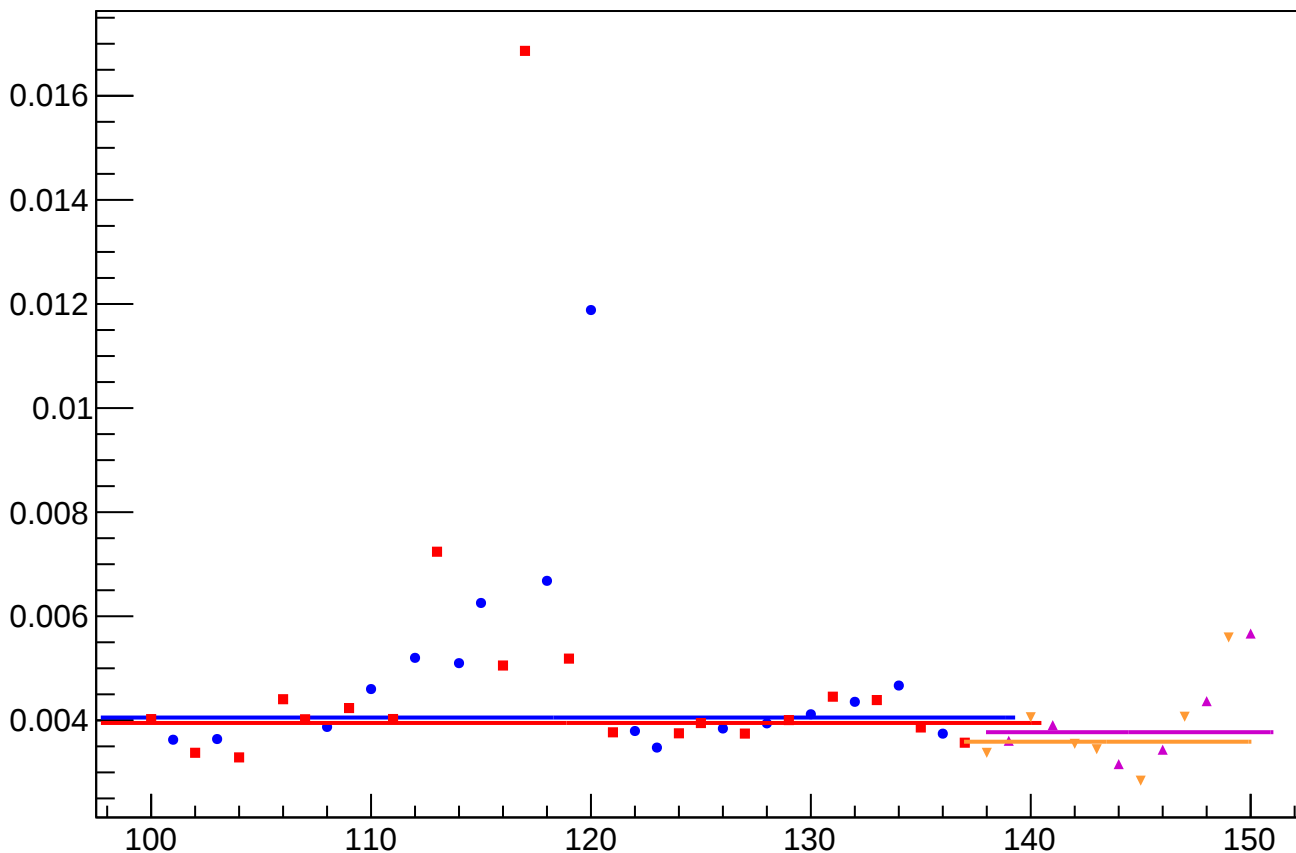
Left In: 0.326 ± 0.000 χ^2/NDF : 3421784839.5/5

0.352 ± 0.000 χ^2/NDF : 10871312487.2/23

0.341 ± 0.000 χ^2/NDF : 26267428208.9/4

0.330 ± 0.000 χ^2/NDF : 15228015923.2/25

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 455318.3/16

Left Out: 0.004+/-0.000 χ^2/NDF : 310555.6/6

Right Out: 0.004+/-0.000 χ^2/NDF : 304954.7/19

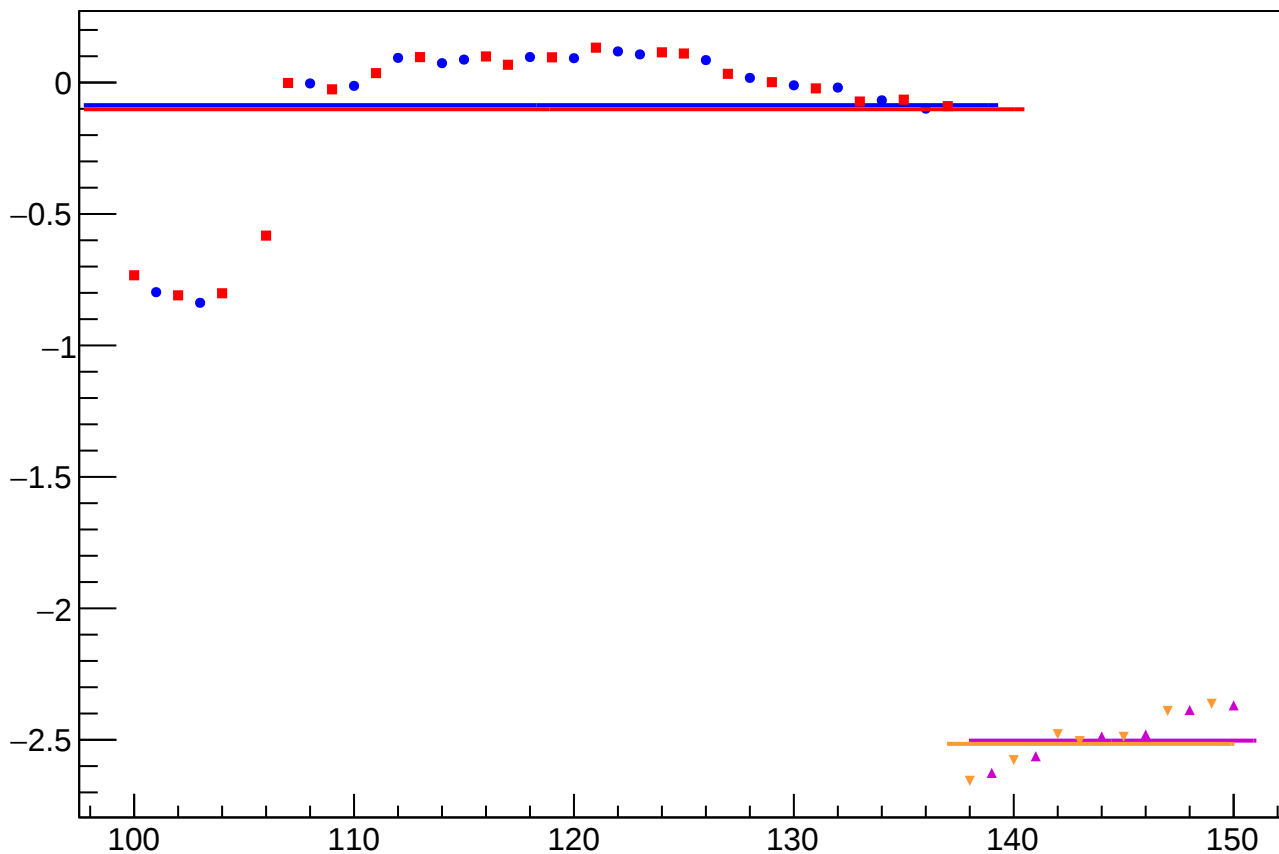
Left In: 0.004+/-0.000 χ^2/NDF : 267240.7/5

0.004+/-0.000 χ^2/NDF : 836366.8/23

0.004+/-0.000 χ^2/NDF : 1419953.0/49

0.004+/-0.000 χ^2/NDF : 582478.3/25

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.515+/-0.000 χ^2/NDF : 196095441.2/6

Right Out: -0.102+/-0.000 χ^2/NDF : 5566142794.2/19

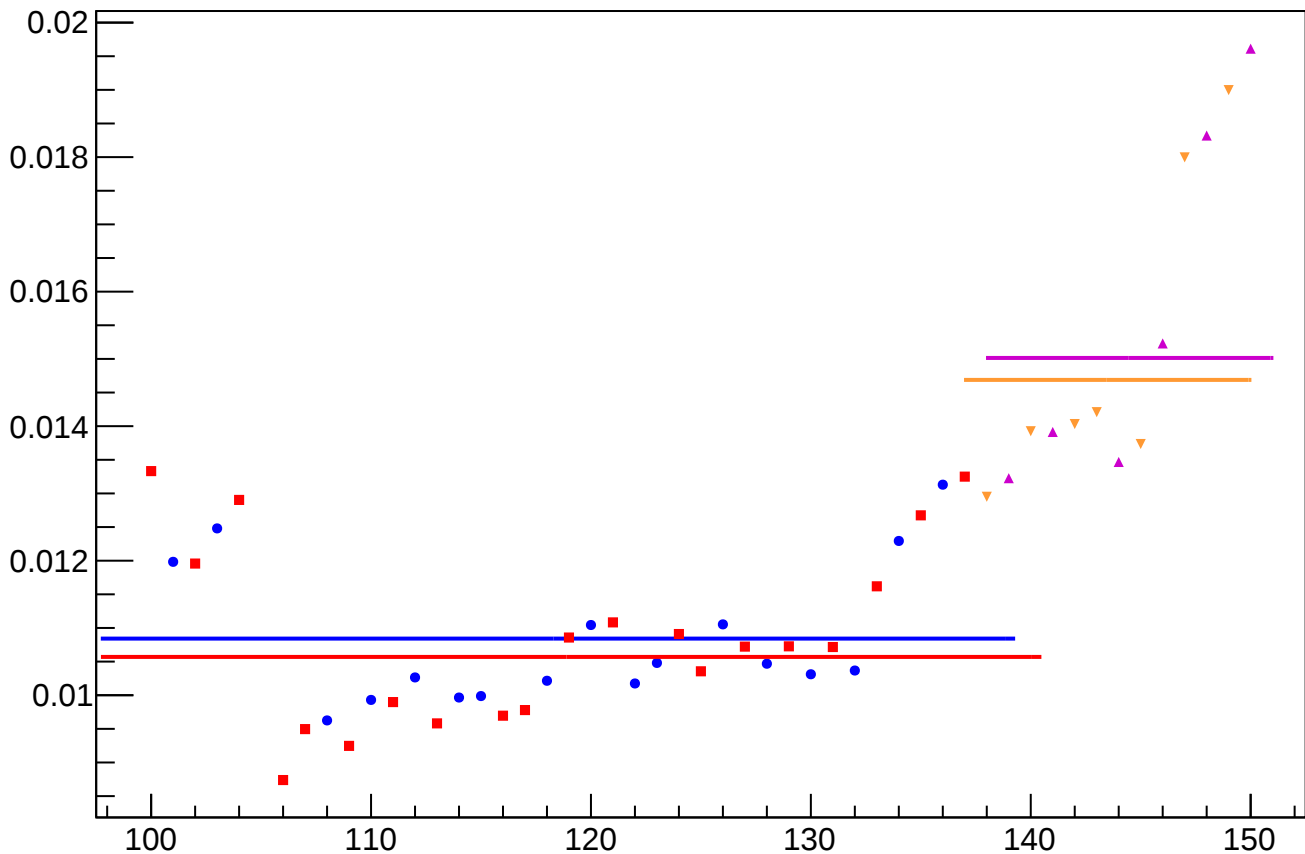
Left In: -2.503+/-0.000 χ^2/NDF : 149502329.4/5

-0.778+/-0.000 χ^2/NDF : 100125731867.7/23

-0.739+/-0.000 χ^2/NDF : 197070549162.3

-0.702+/-0.000 χ^2/NDF : 96706269823.8/25

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.015+/-0.000 χ^2/NDF :176182.4/6

Right Out: 0.011+/-0.000 χ^2/NDF : 179537.7/19

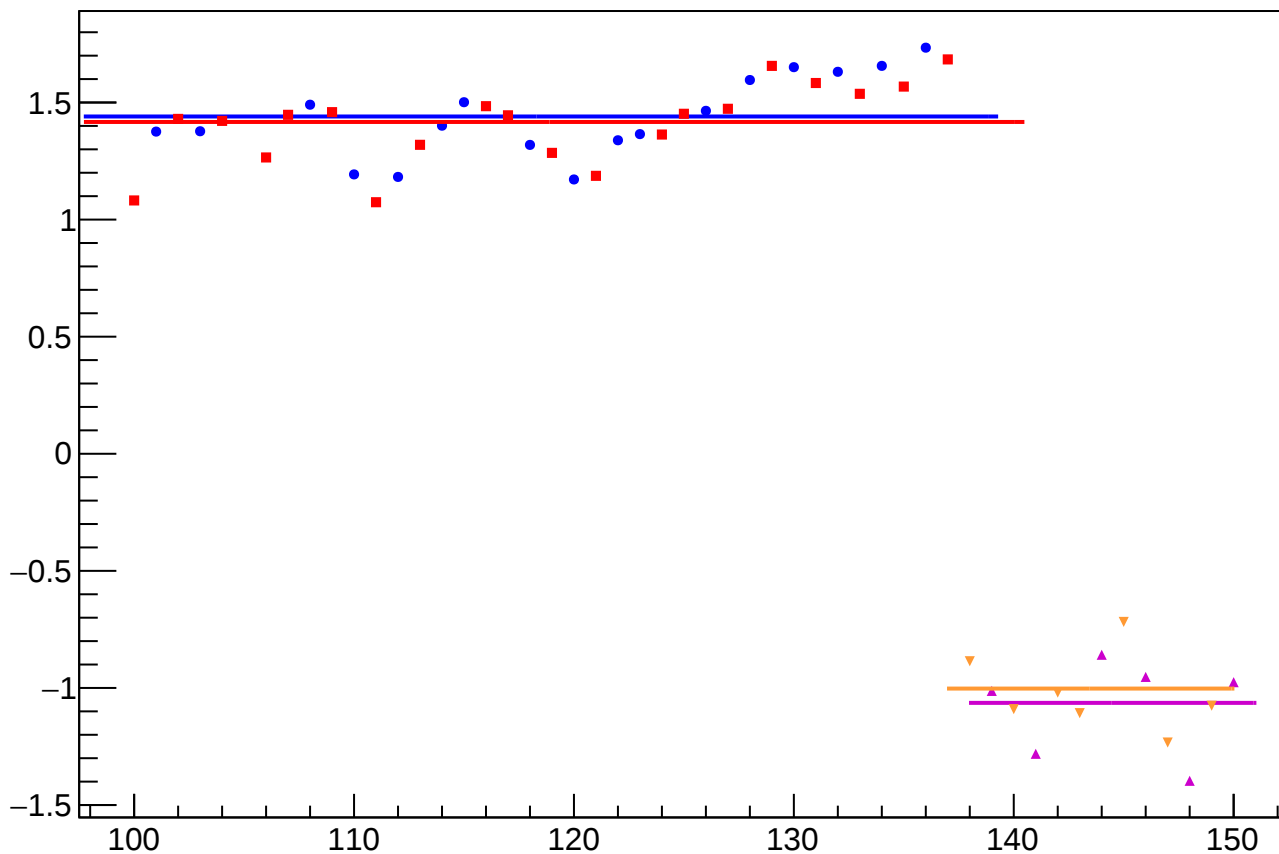
Left In: 0.015+/-0.000 χ^2/NDF :205133.0/5

0.012+/-0.000 χ^2/NDF : 776376.0/23

0.012+/-0.000 χ^2/NDF : 1789945.4/49

0.012+/-0.000 χ^2/NDF : 1008160.3/25

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -1.003 $\pm$ 0.000 χ^2 /NDF: 1103112748.0/6

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674679406.4/19

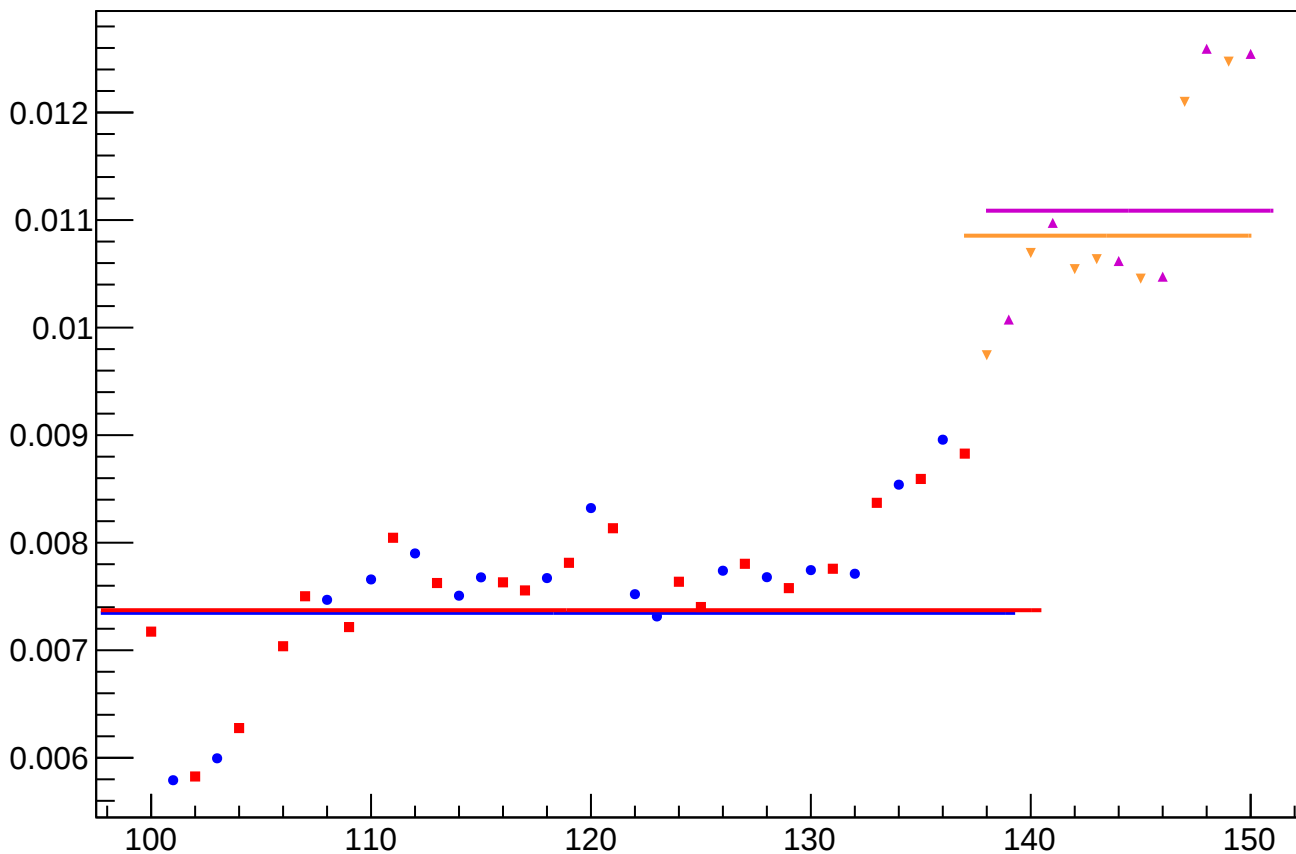
Left In: -1.064 $\pm$ 0.000 χ^2 /NDF: 1361889224.8/5

0.816 $\pm$ 0.000 χ^2 /NDF: 190574296567.9/23

0.829 $\pm$ 0.000 χ^2 /NDF: 379856205863.1/

0.842 $\pm$ 0.000 χ^2 /NDF: 189226341359.1/25

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 228163.6/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 66445.0/6

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 172741.0/19

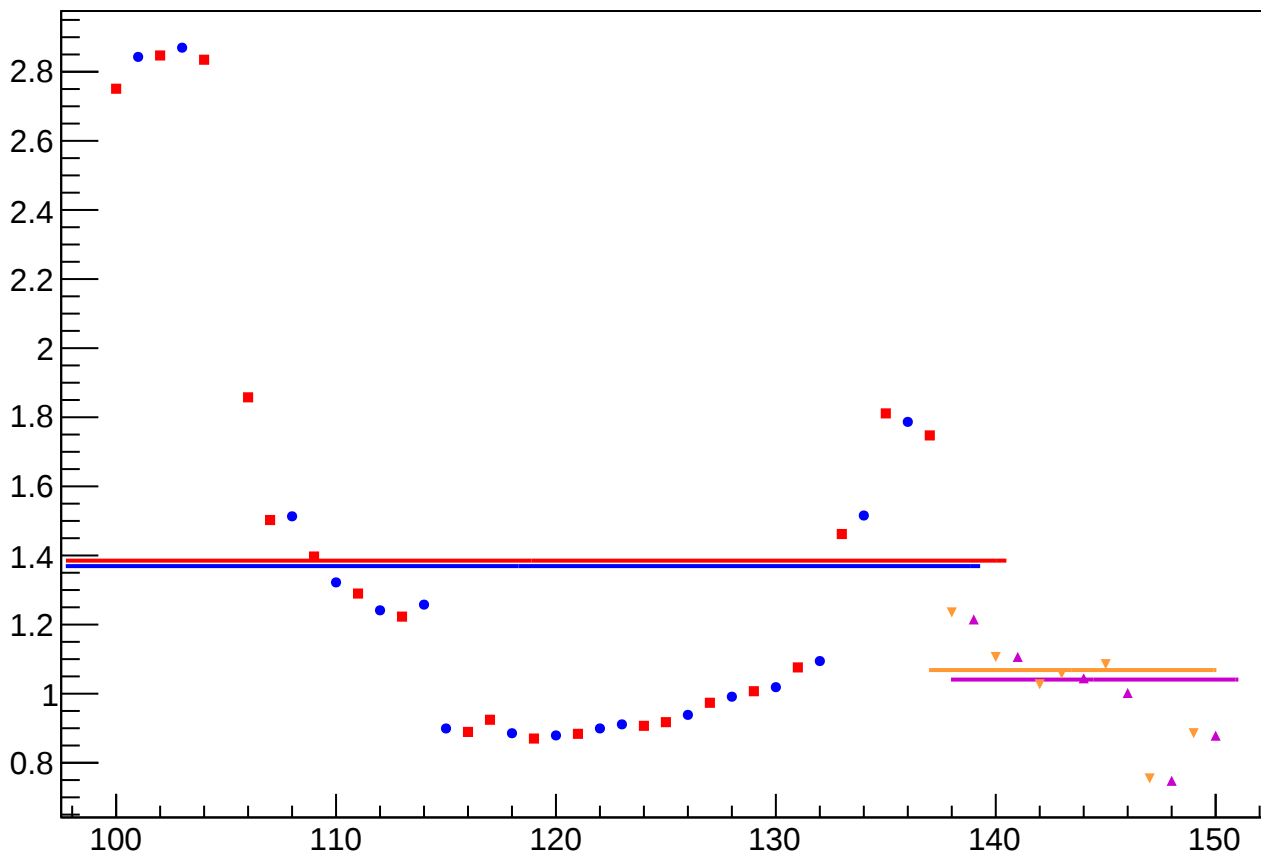
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 69022.1/5

0.008 $\pm$ 0.000 χ^2/NDF : 1061327.0/23

0.008 $\pm$ 0.000 χ^2/NDF : 2133674.7/49

0.008 $\pm$ 0.000 χ^2/NDF : 1072329.1/25

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.369+/-0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.068+/-0.000 χ^2/NDF : 1052102077.3/6

1.282+/-0.000 χ^2/NDF : 59029476283.4/23

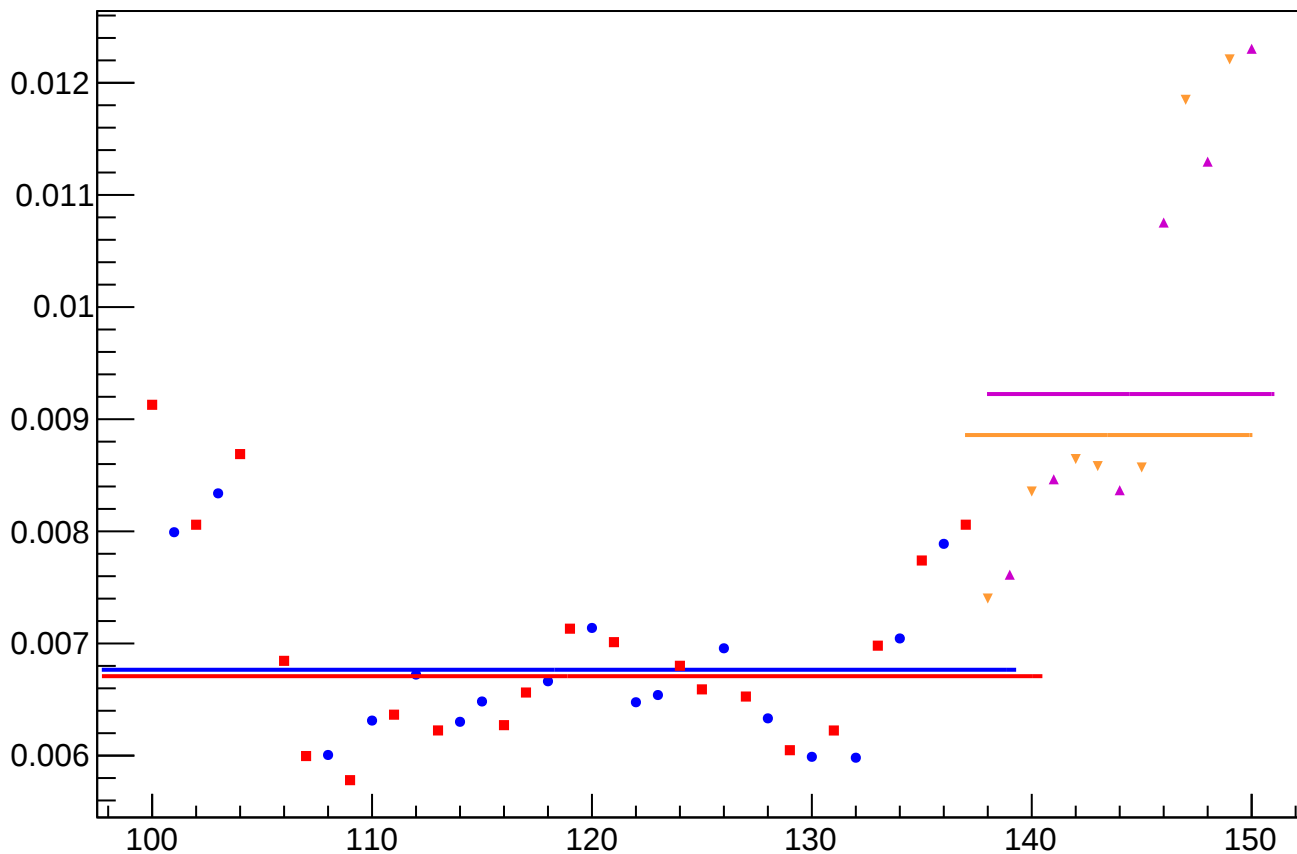
Right Out: 1.385+/-0.000 χ^2/NDF : 50114562617.6/19

1.291+/-0.000 χ^2/NDF : 114899571165.6/23

1.298+/-0.000 χ^2/NDF : 55843478747.1/25

Left In: 1.041+/-0.000 χ^2/NDF : 1063244071.6/5

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 159554.9/16

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 264958.9/6

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 187869.7/19

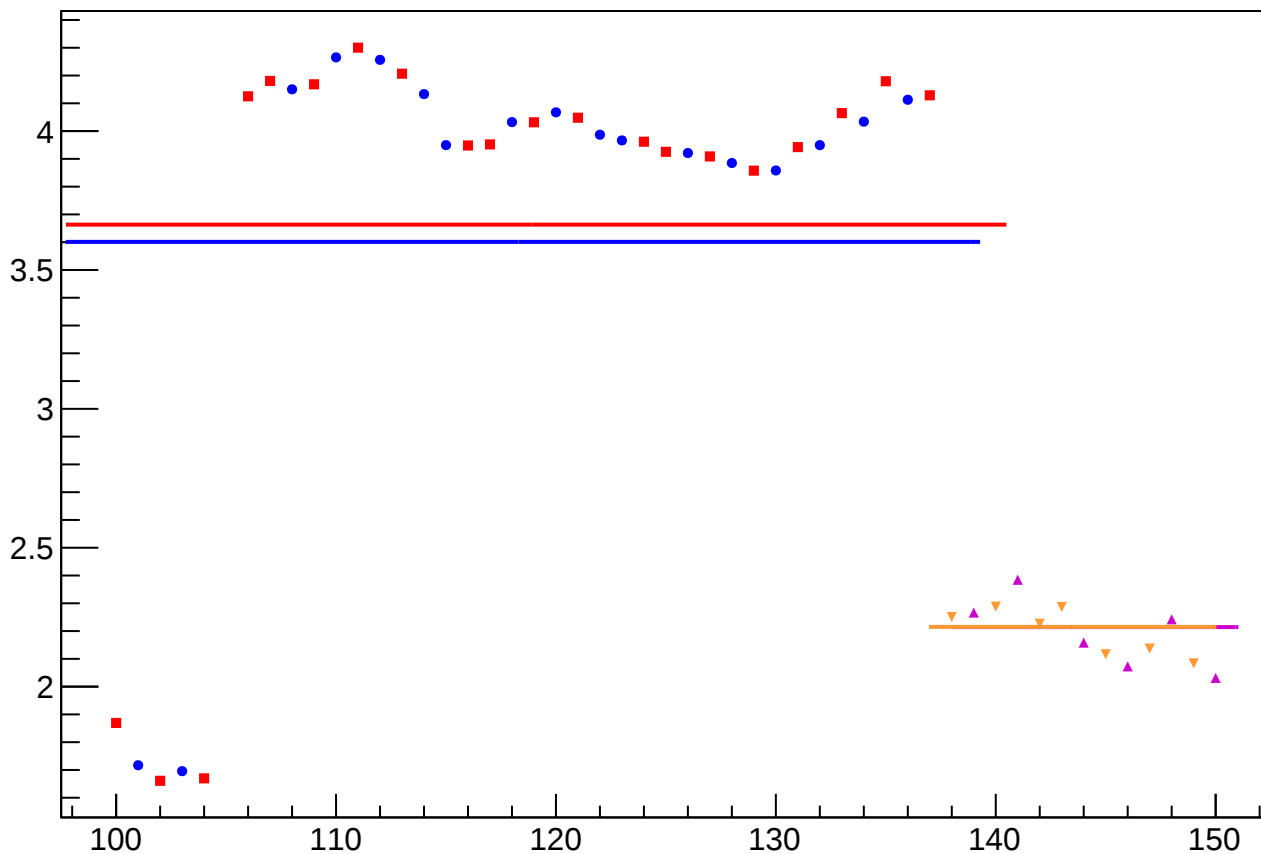
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 271588.6/5

0.007 $\pm$ 0.000 χ^2/NDF : 789849.6/23

0.007 $\pm$ 0.000 χ^2/NDF : 1748011.8/49

0.007 $\pm$ 0.000 χ^2/NDF : 957997.8/25

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.601 $\pm$ 0.000 χ^2 /NDF: 185806937655.3/16

Left Out: 2.215 $\pm$ 0.000 χ^2 /NDF: 435224578.5/6

3.244 $\pm$ 0.000 χ^2 /NDF: 293148693329.9/23

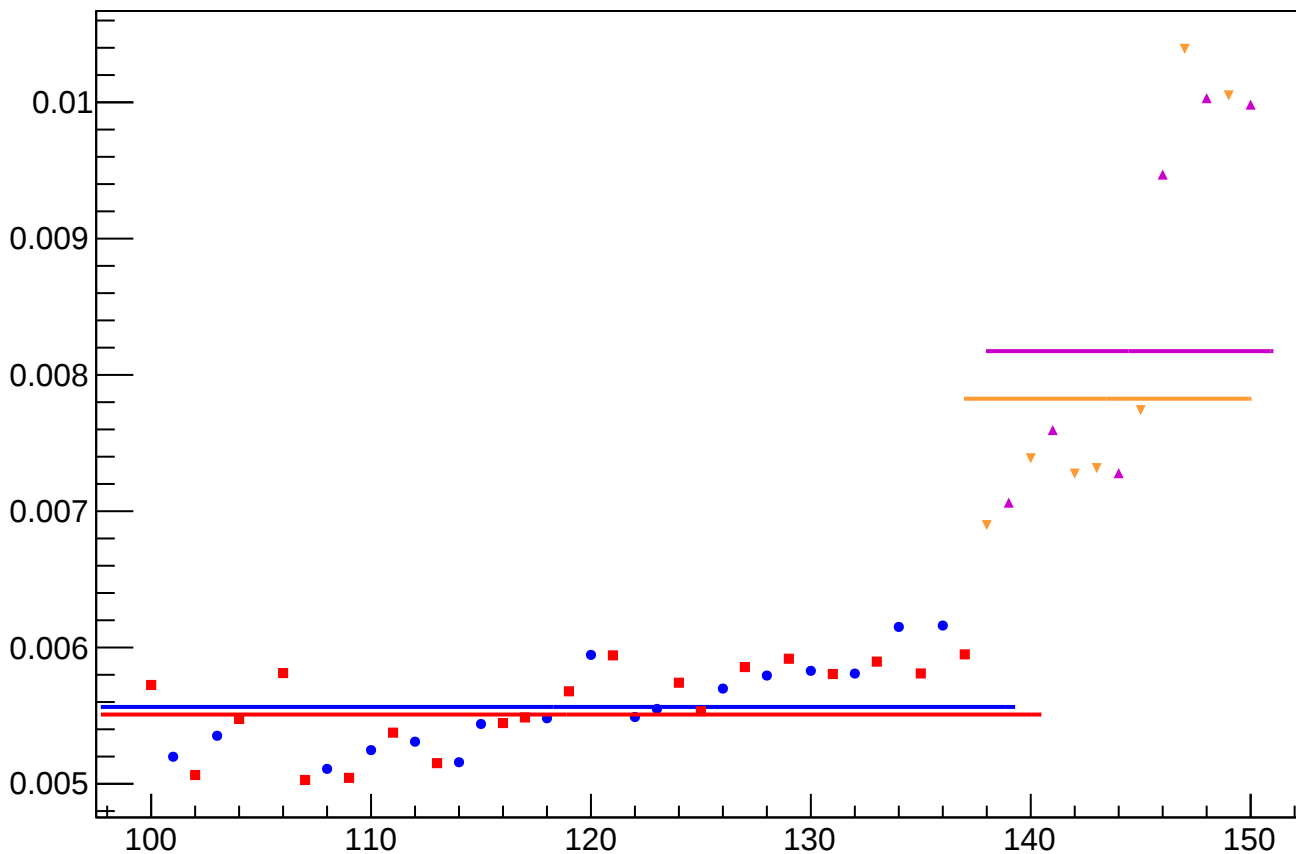
Right Out: 3.663 $\pm$ 0.000 χ^2 /NDF: 192640409625.9/19

3.292 $\pm$ 0.000 χ^2 /NDF: 596520102312.8/12

3.339 $\pm$ 0.000 χ^2 /NDF: 302051593533.8/25

Left In: 2.214 $\pm$ 0.000 χ^2 /NDF: 931507569.8/5

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 47588.2/16

Left Out: 0.008+/-0.000 χ^2/NDF :196680.6/6

Right Out: 0.006+/-0.000 χ^2/NDF : 52636.1/19

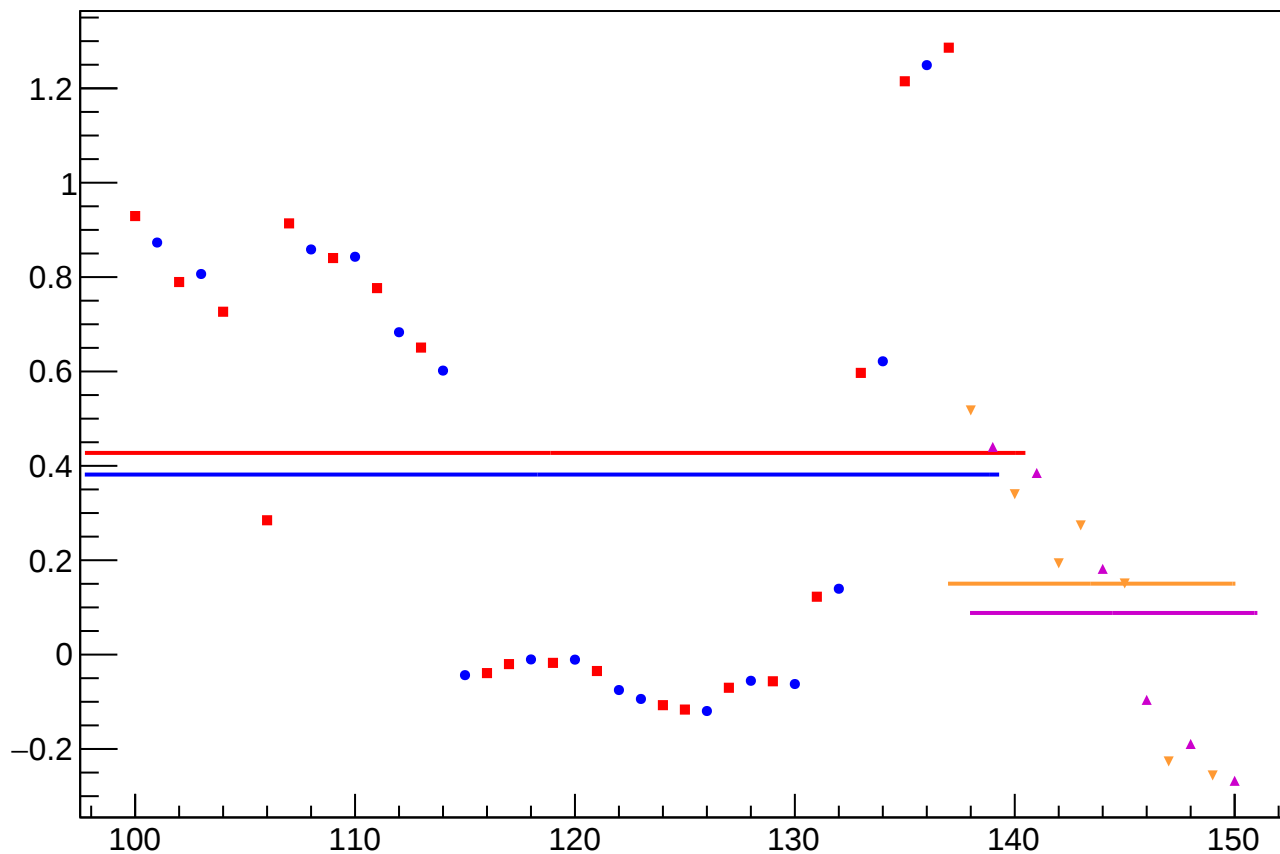
Left In: 0.008+/-0.000 χ^2/NDF :195657.1/5

0.006+/-0.000 χ^2/NDF : 813381.3/23

0.006+/-0.000 χ^2/NDF : 1796824.8/49

0.006+/-0.000 χ^2/NDF : 982943.9/25

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.382 $\pm$ 0.000 χ^2 /NDF: 7124759123.1/16

Left Out: 0.150 $\pm$ 0.000 χ^2 /NDF:1336307522.0/6

Right Out: 0.427 $\pm$ 0.000 χ^2 /NDF: 6716521382.4/19

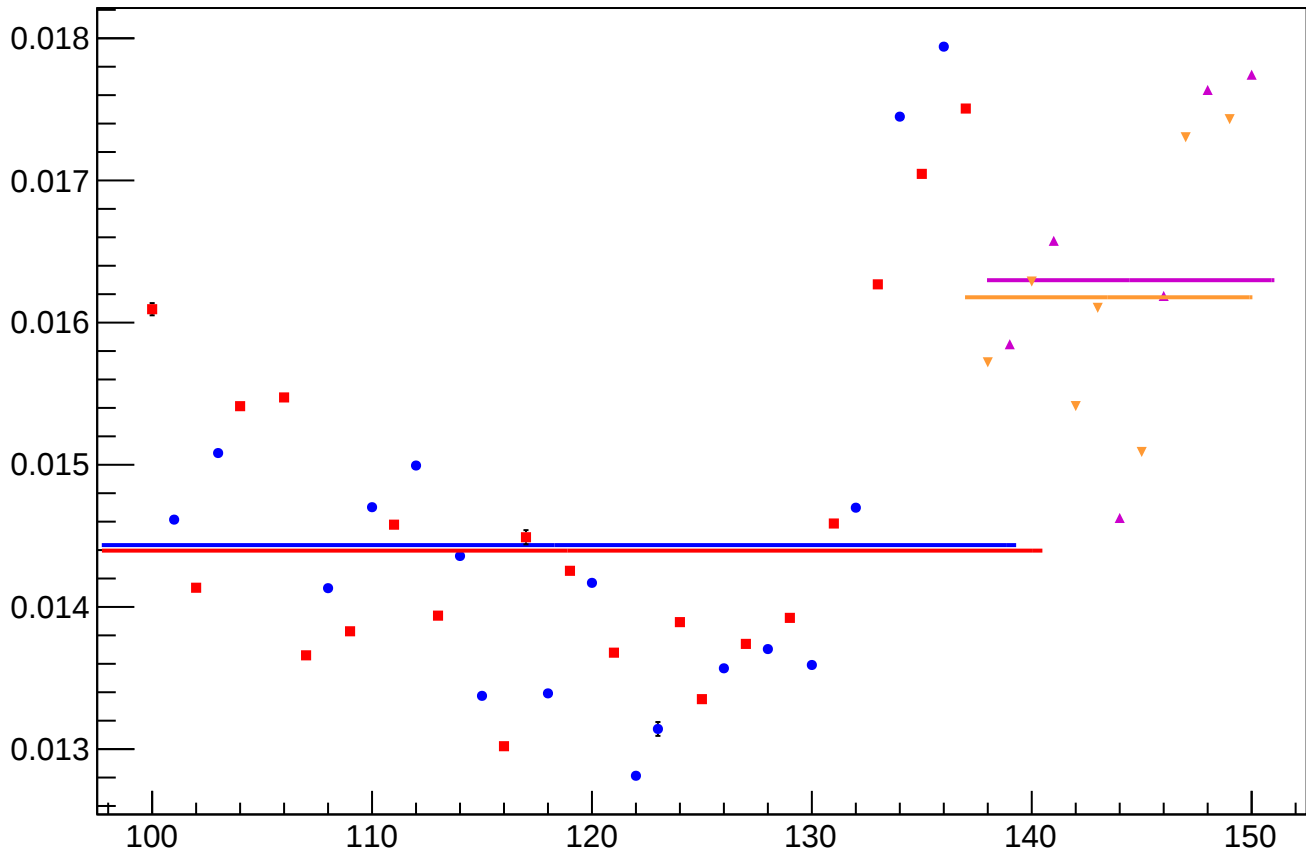
Left In: 0.088 $\pm$ 0.000 χ^2 /NDF:1278803256.8/5

0.296 $\pm$ 0.000 χ^2 /NDF: 9090428017.4/23

0.303 $\pm$ 0.000 χ^2 /NDF: 18440072769.2/4

0.309 $\pm$ 0.000 χ^2 /NDF: 9345032209.1/25

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 110224.4/16

Left Out: 0.016+/-0.000 χ^2/NDF : 25914.5/6

Right Out: 0.014+/-0.000 χ^2/NDF : 74535.1/19

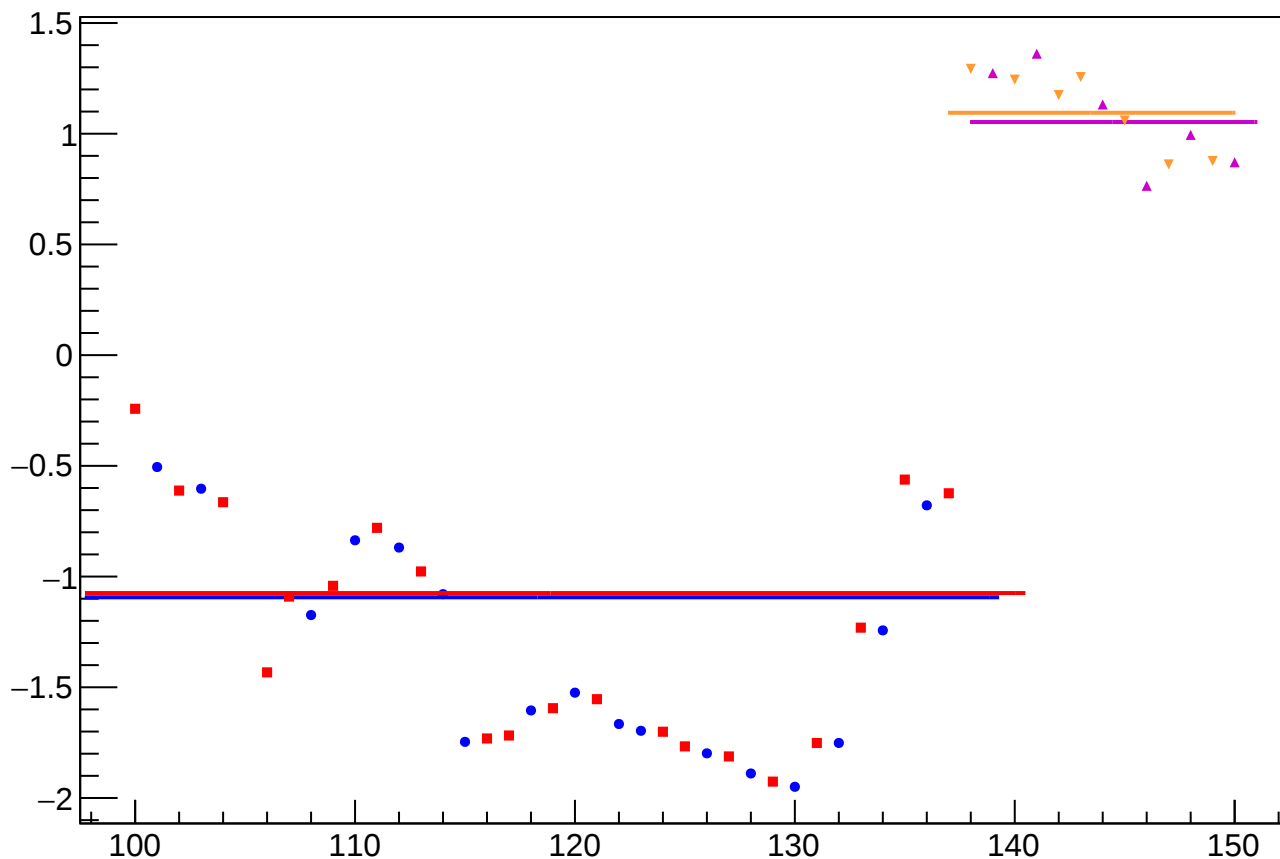
Left In: 0.016+/-0.000 χ^2/NDF : 44301.9/5

0.015+/-0.000 χ^2/NDF : 207684.9/23

0.015+/-0.000 χ^2/NDF : 411453.9/49

0.015+/-0.000 χ^2/NDF : 203743.7/25

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.094+/-0.000 χ^2/NDF : 55960104370.4/16

Left Out: 1.095+/-0.000 χ^2/NDF : 9583241900.1/6

Right Out: -1.074+/-0.000 χ^2/NDF : 47208439320.8/19

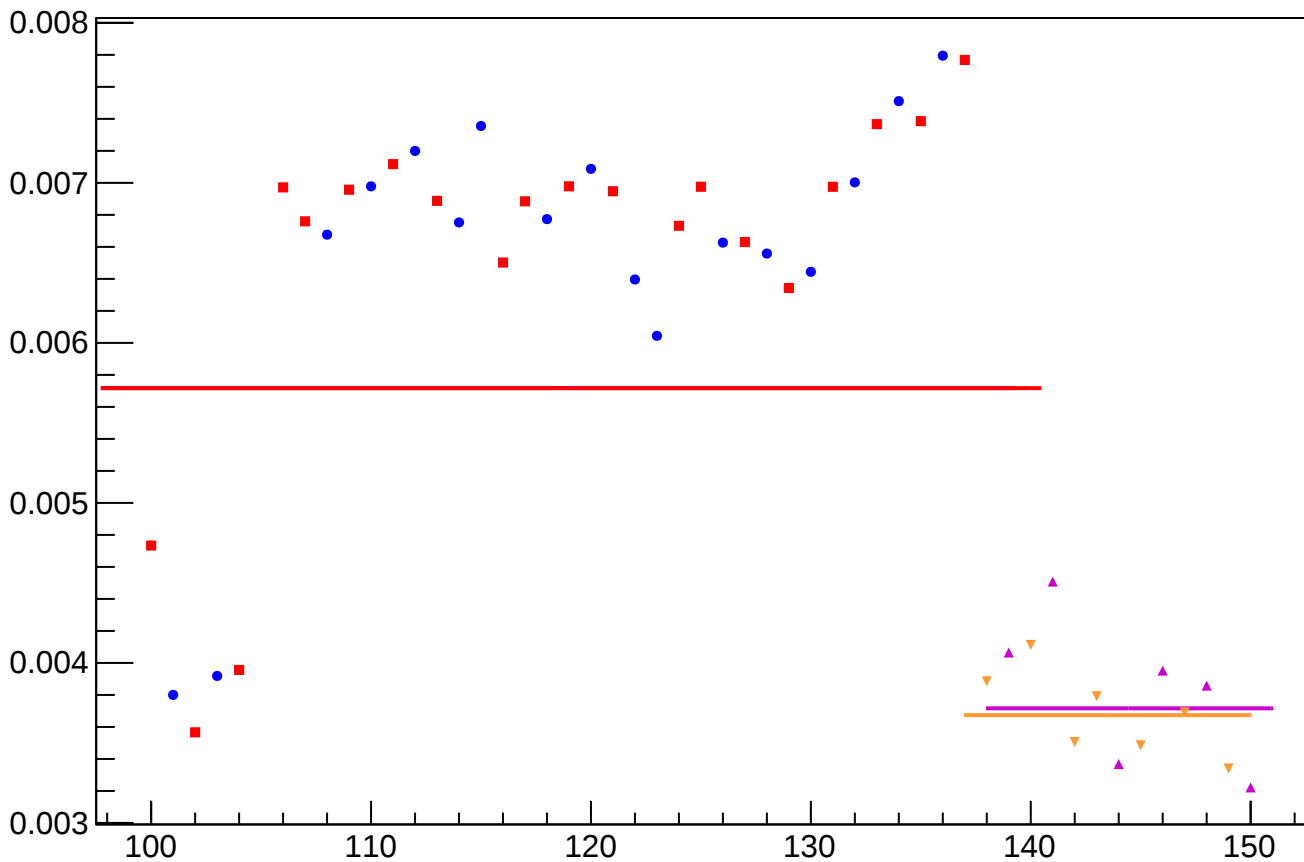
Left In: 1.053+/-0.000 χ^2/NDF : 11694290208.0/5

0.313+/-0.000 χ^2/NDF : 624568022604.8/23

0.274+/-0.000 χ^2/NDF : 1212850169612.7

0.234+/-0.000 χ^2/NDF : 586739810653.7/25

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 : 41975.7/6

Right Out: 0.006+/-0.000 χ^2/NDF : 925957.4/19

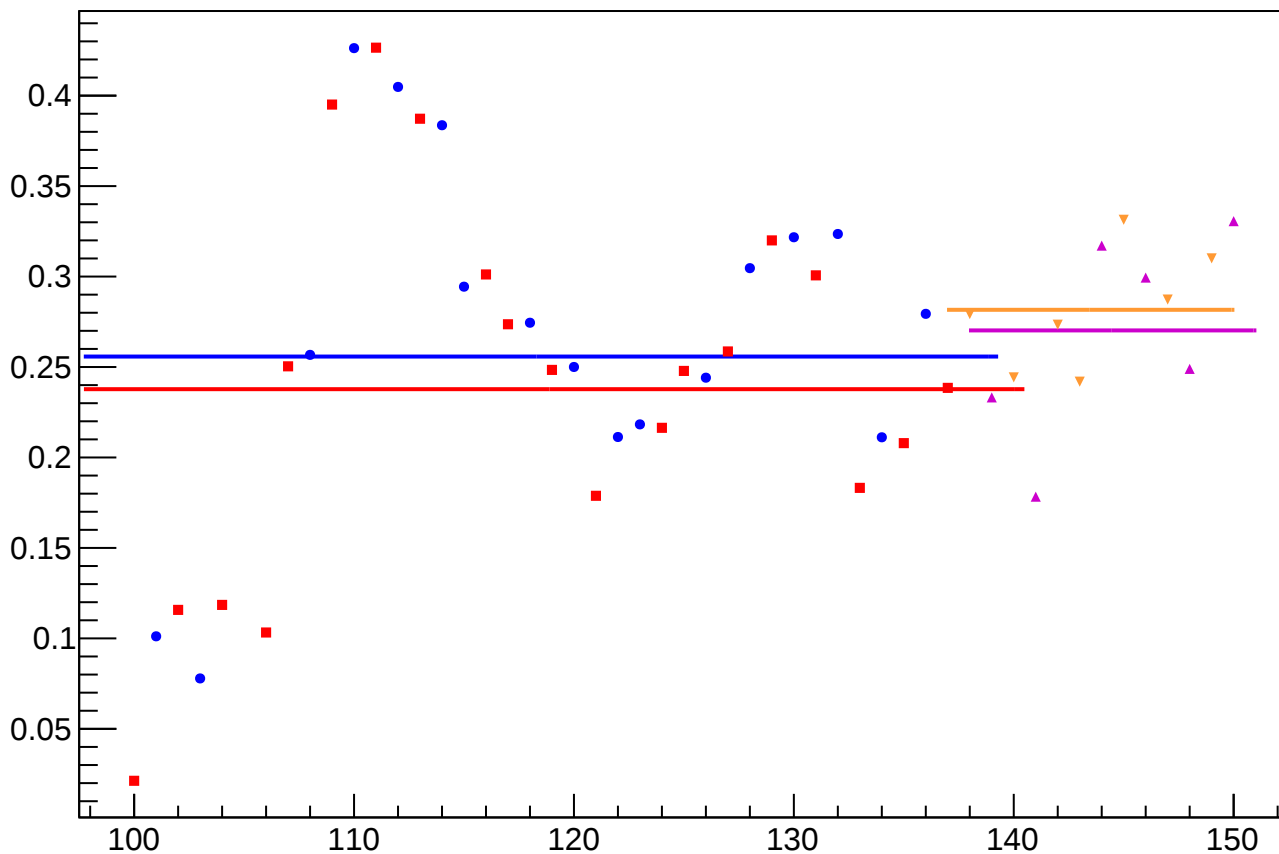
Left In: 0.004+/-0.000 χ^2/NDF : 116605.2/5

0.004+/-0.000 χ^2/NDF : 1854991.6/23

0.004+/-0.000 χ^2/NDF : 3834895.4/49

0.004+/-0.000 χ^2/NDF : 1976519.7/25

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.256+/-0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.282+/-0.000 χ^2/NDF : 1767809932.1/6

Right Out: 0.238+/-0.000 χ^2/NDF : 26077768189.7/19

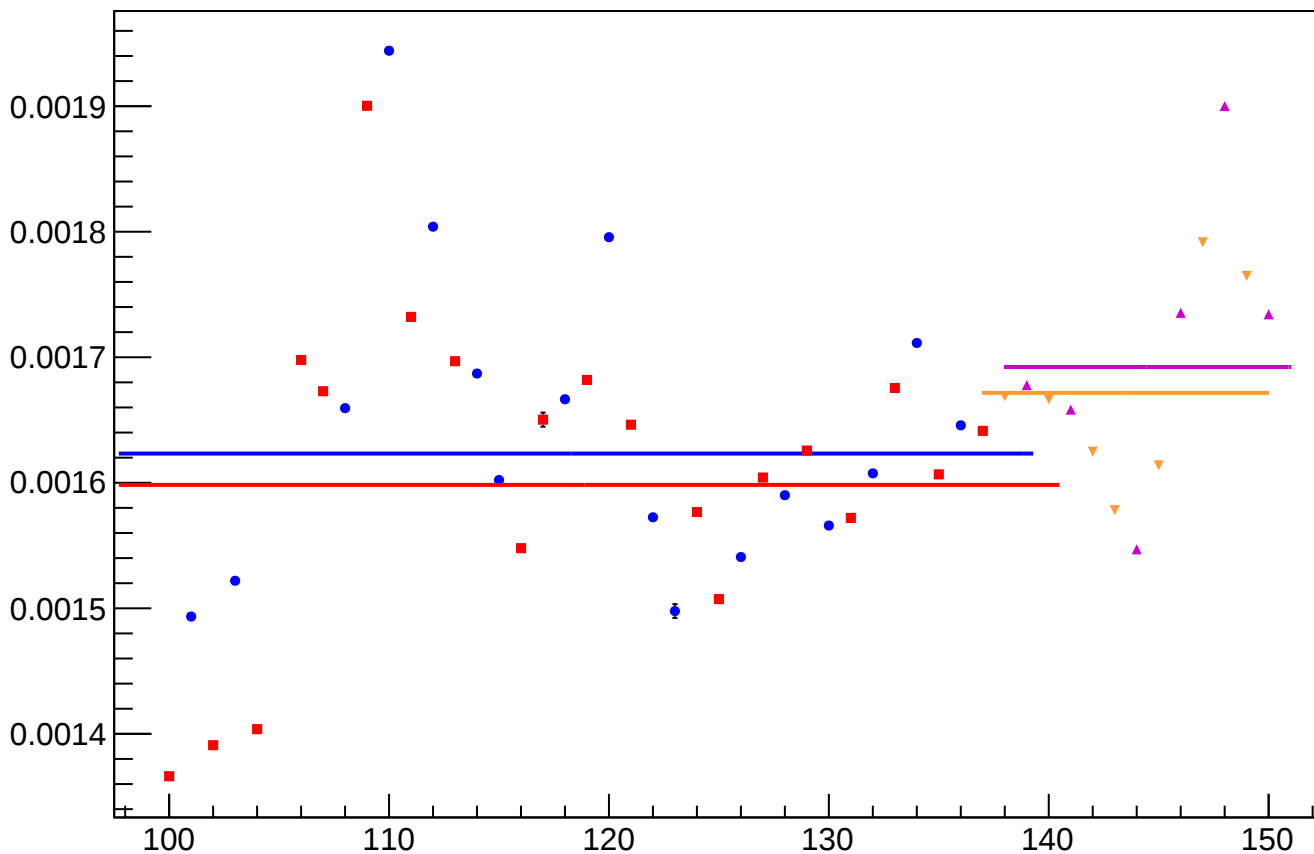
Left In: 0.270+/-0.000 χ^2/NDF : 5021246123.7/5

0.267+/-0.000 χ^2/NDF : 23815035527.5/23

0.258+/-0.000 χ^2/NDF : 56592985641.9/4

0.250+/-0.000 χ^2/NDF : 32186104014.1/25

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 :18445.9/6

Right Out: 0.002+/-0.000 χ^2/NDF : 90764.4/19

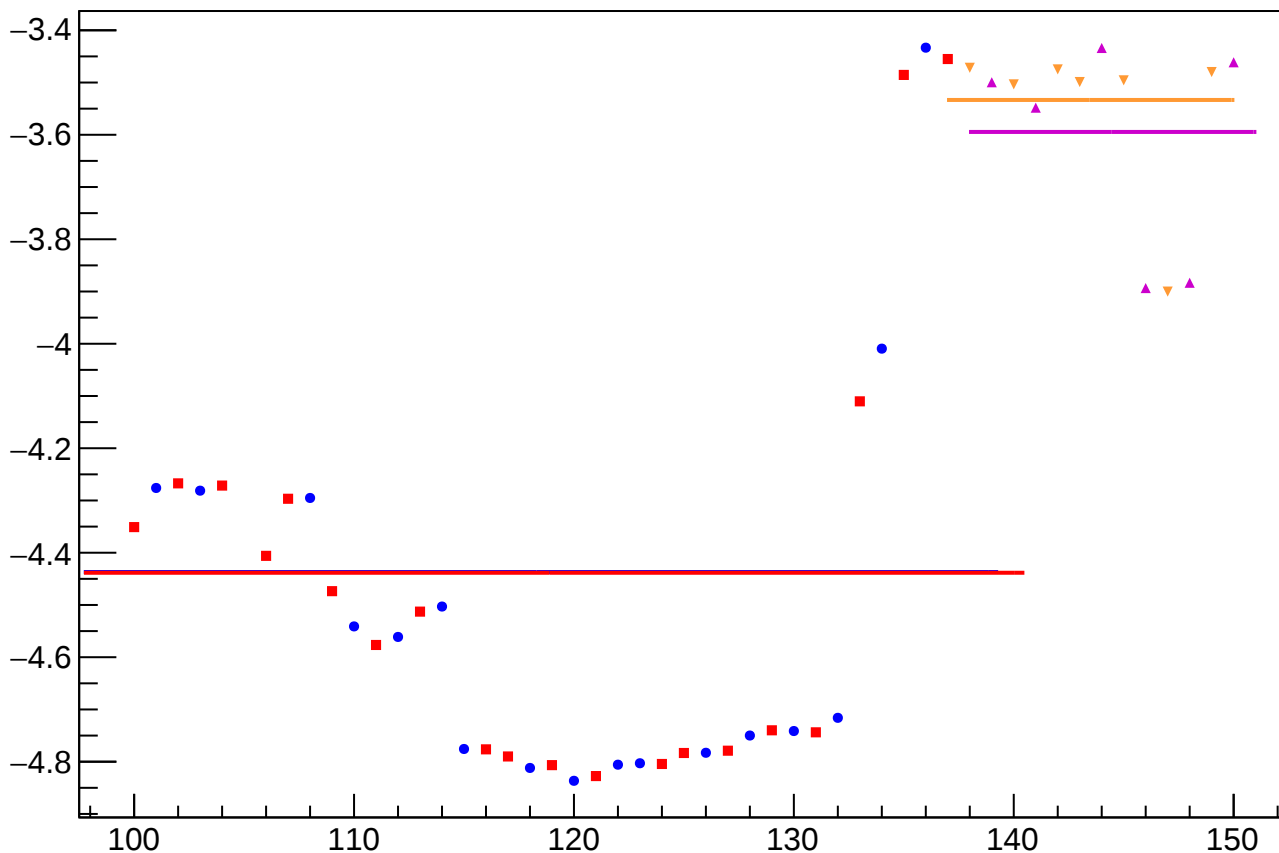
Left In: 0.002+/-0.000 χ^2/NDF :35601.6/5

0.002+/-0.000 χ^2/NDF : 75693.5/23

0.002+/-0.000 χ^2/NDF : 220647.7/49

0.002+/-0.000 χ^2/NDF : 144539.6/25

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.437+/-0.000 χ^2 /NDF: 392812415429.0/16

Left Out: -3.533+/-0.000 χ^2 /NDF: 20571196667.7/6

-4.091+/-0.000 χ^2 /NDF: 1038060791501.5/23

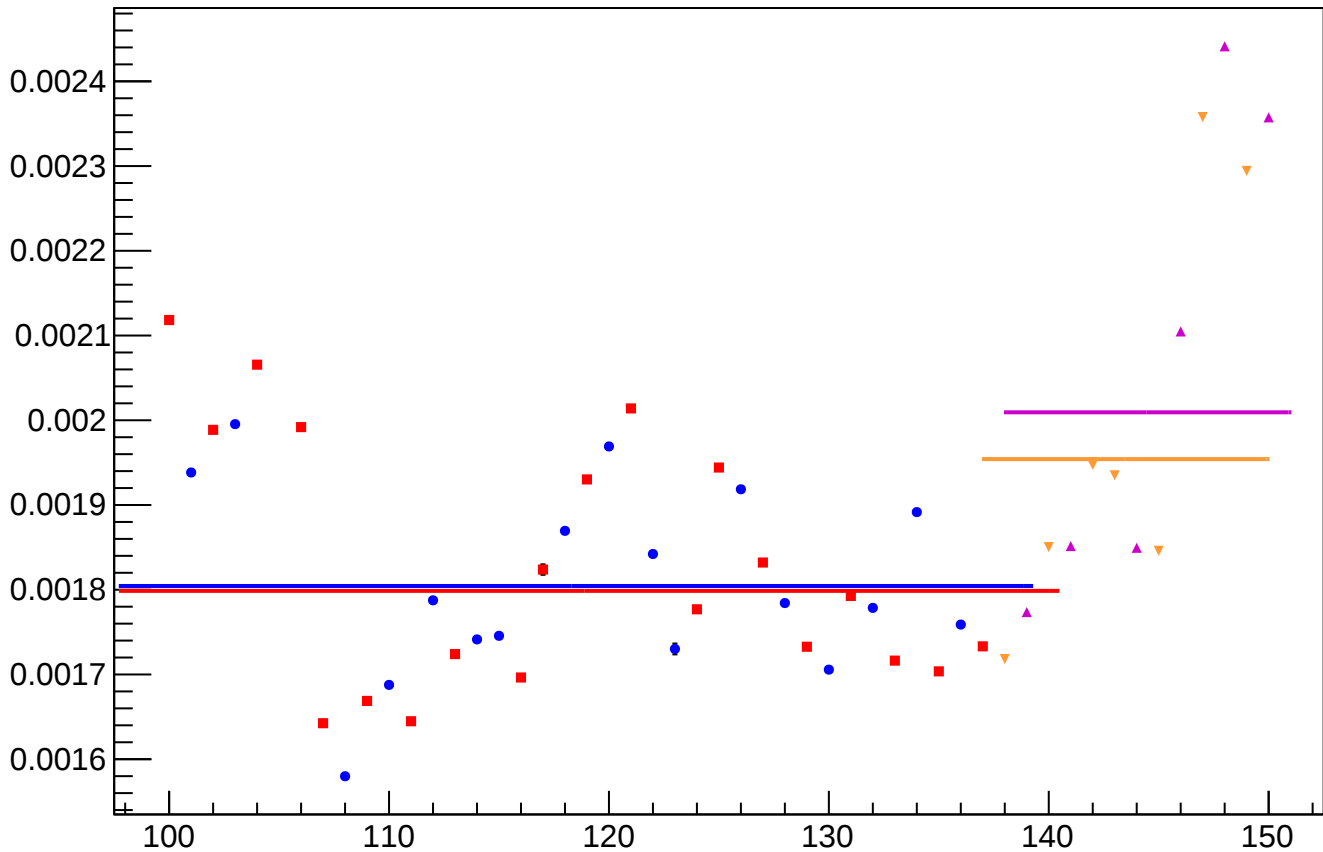
Right Out: -4.438+/-0.000 χ^2 /NDF: 326800745779.7/19

-4.117+/-0.000 χ^2 /NDF: 1941758495797.

-4.142+/-0.000 χ^2 /NDF: 899473592339.3/25

Left In: -3.595+/-0.000 χ^2 /NDF: 38143783159.4/5

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 :114918.0/6

Right Out: 0.002+/-0.000 χ^2/NDF : 81037.5/19

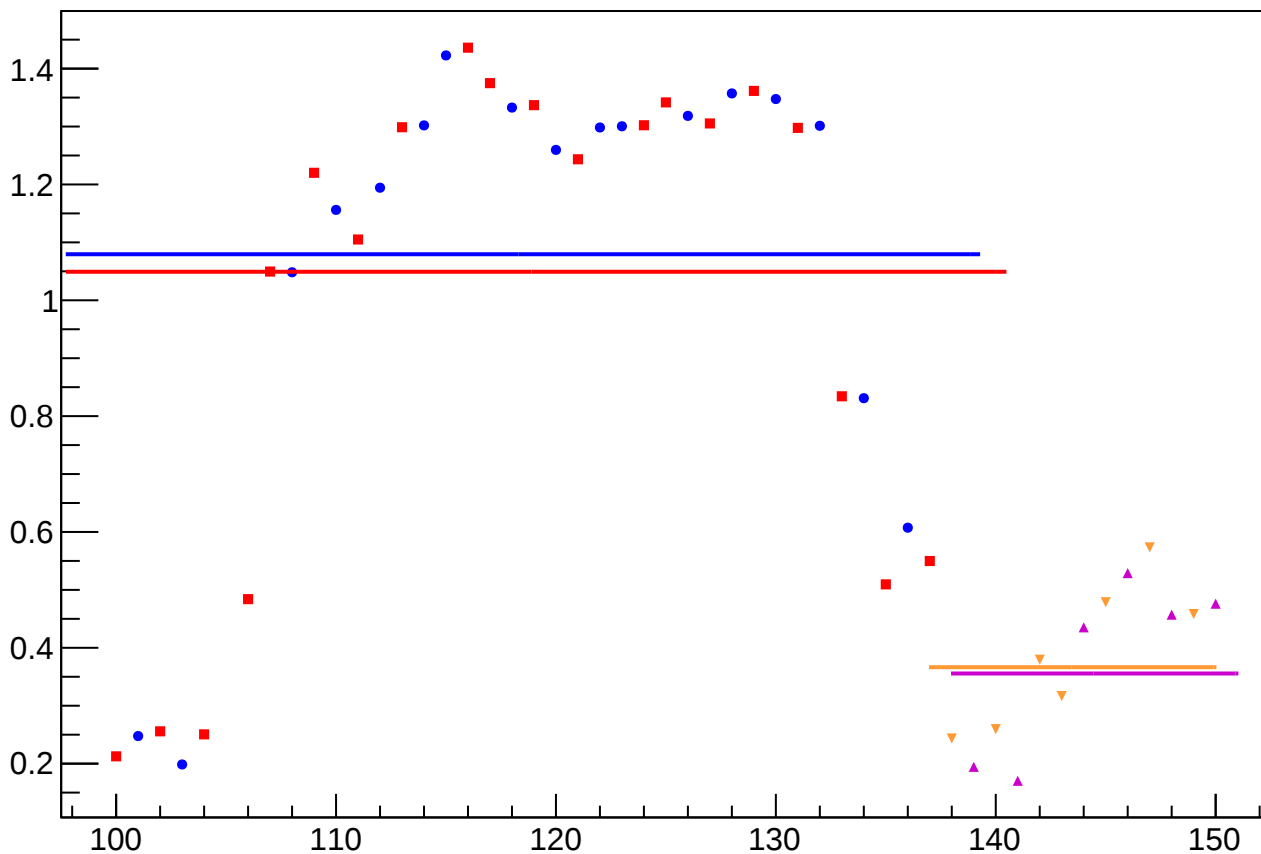
Left In: 0.002+/-0.000 χ^2/NDF :137556.8/5

0.002+/-0.000 χ^2/NDF : 198332.3/23

0.002+/-0.000 χ^2/NDF : 483986.2/49

0.002+/-0.000 χ^2/NDF : 285262.6/25

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 1.080 $\pm$ 0.000 χ^2/NDF : 17533321220.5/16

Left Out: 0.366 $\pm$ 0.000 χ^2/NDF : 540224584.2/6

Right Out: 1.049 $\pm$ 0.000 χ^2/NDF : 19787986428.4/19

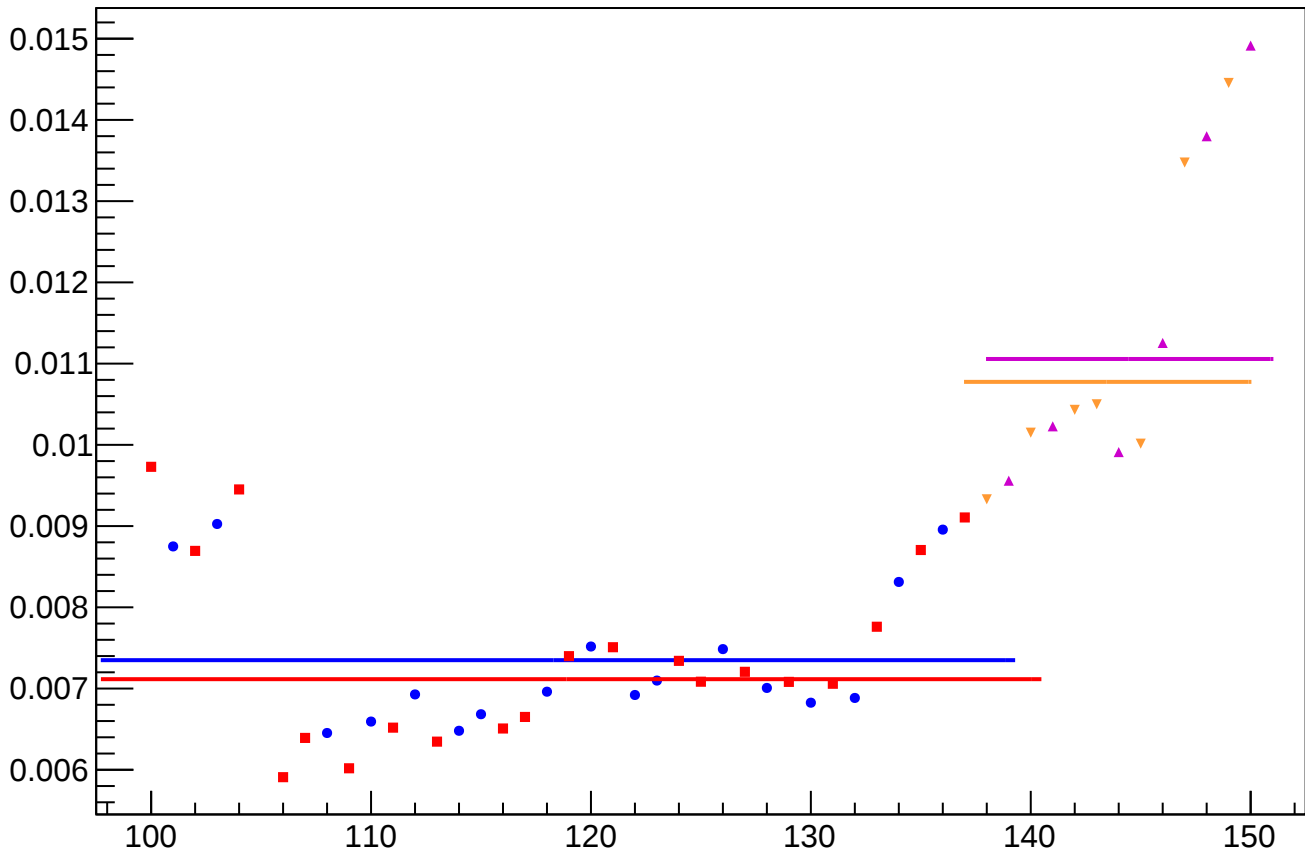
Left In: 0.356 $\pm$ 0.000 χ^2/NDF : 814530210.9/5

0.898 $\pm$ 0.000 χ^2/NDF : 33860775760.0/23

0.898 $\pm$ 0.000 χ^2/NDF : 68980345130.1/4

0.898 $\pm$ 0.000 χ^2/NDF : 35119566031.8/25

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 180818.7/16

Left Out: 0.011+/-0.000 χ^2/NDF : 217286.0/6

Right Out: 0.007+/-0.000 χ^2/NDF : 259539.3/19

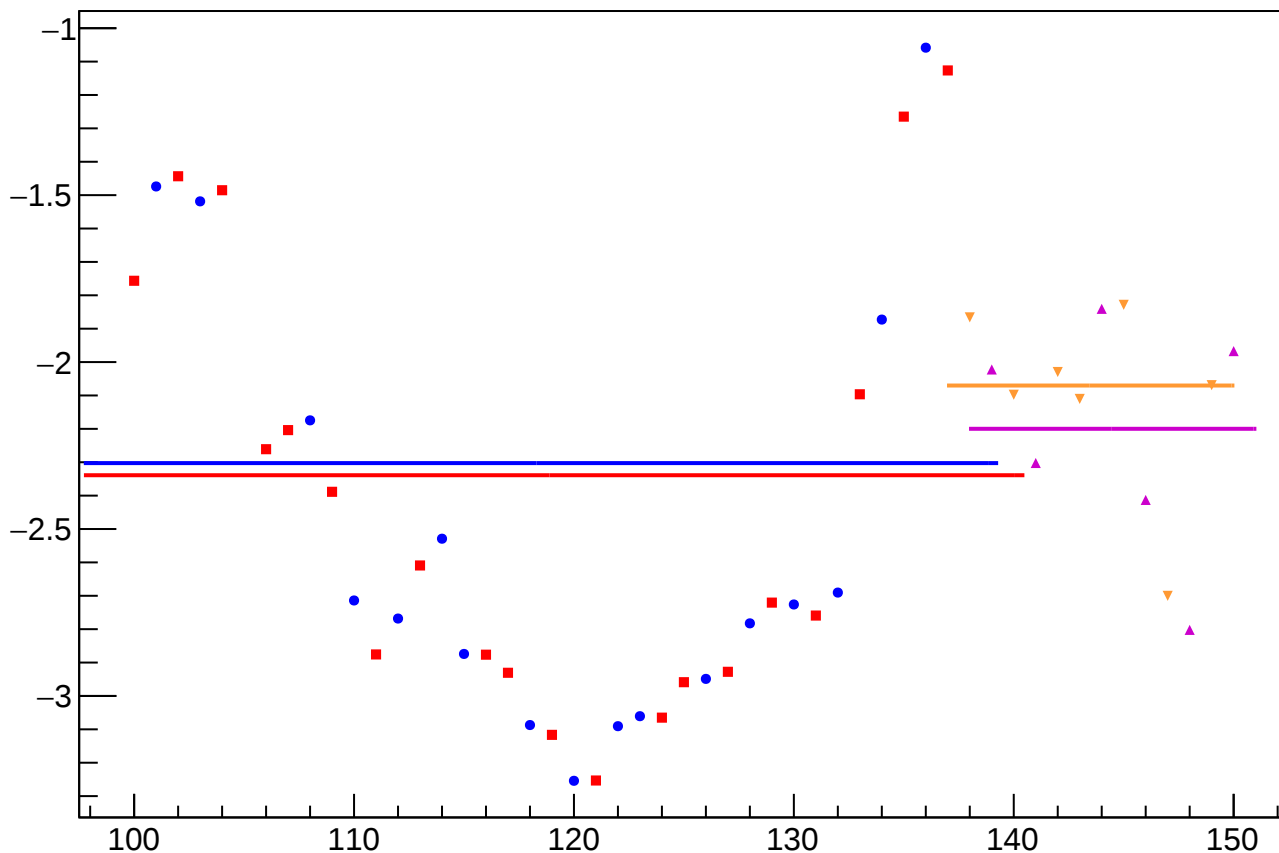
Left In: 0.011+/-0.000 χ^2/NDF : 246028.7/5

0.008+/-0.000 χ^2/NDF : 1127060.4/23

0.008+/-0.000 χ^2/NDF : 2580527.5/49

0.008+/-0.000 χ^2/NDF : 1443171.9/25

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.303+/-0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.070+/-0.000 χ^2/NDF : 3582083806.0/6

-2.239+/-0.000 χ^2/NDF : 79455959661.2/23

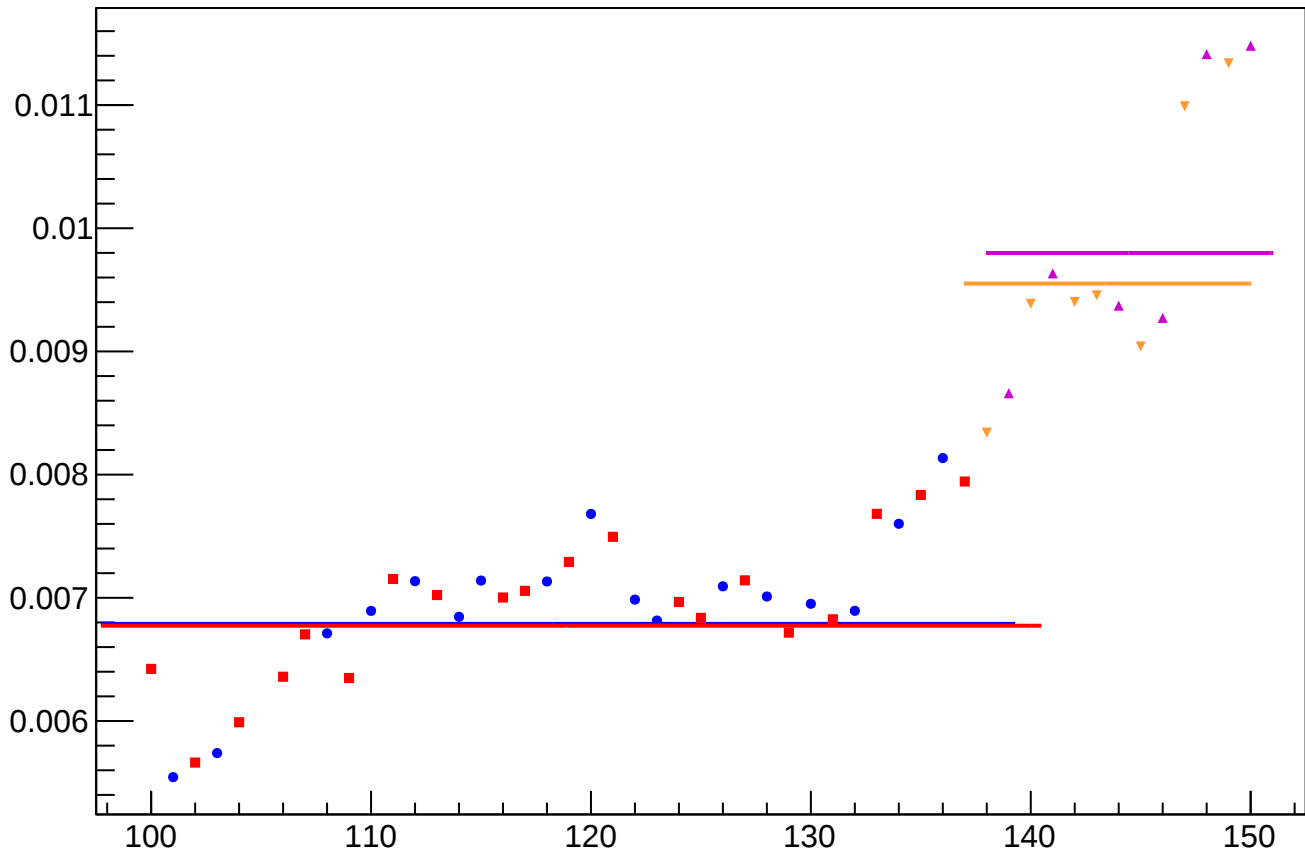
Right Out: -2.339+/-0.000 χ^2/NDF : 64804828308.5/19

-2.273+/-0.000 χ^2/NDF : 150079912418.1

-2.305+/-0.000 χ^2/NDF : 70190207822.9/25

Left In: -2.200+/-0.000 χ^2/NDF : 4654377416.5/5

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 165199.2/16

Left Out: 0.010+/-0.000 χ^2/NDF : 103220.4/6

Right Out: 0.007+/-0.000 χ^2/NDF : 123383.6/19

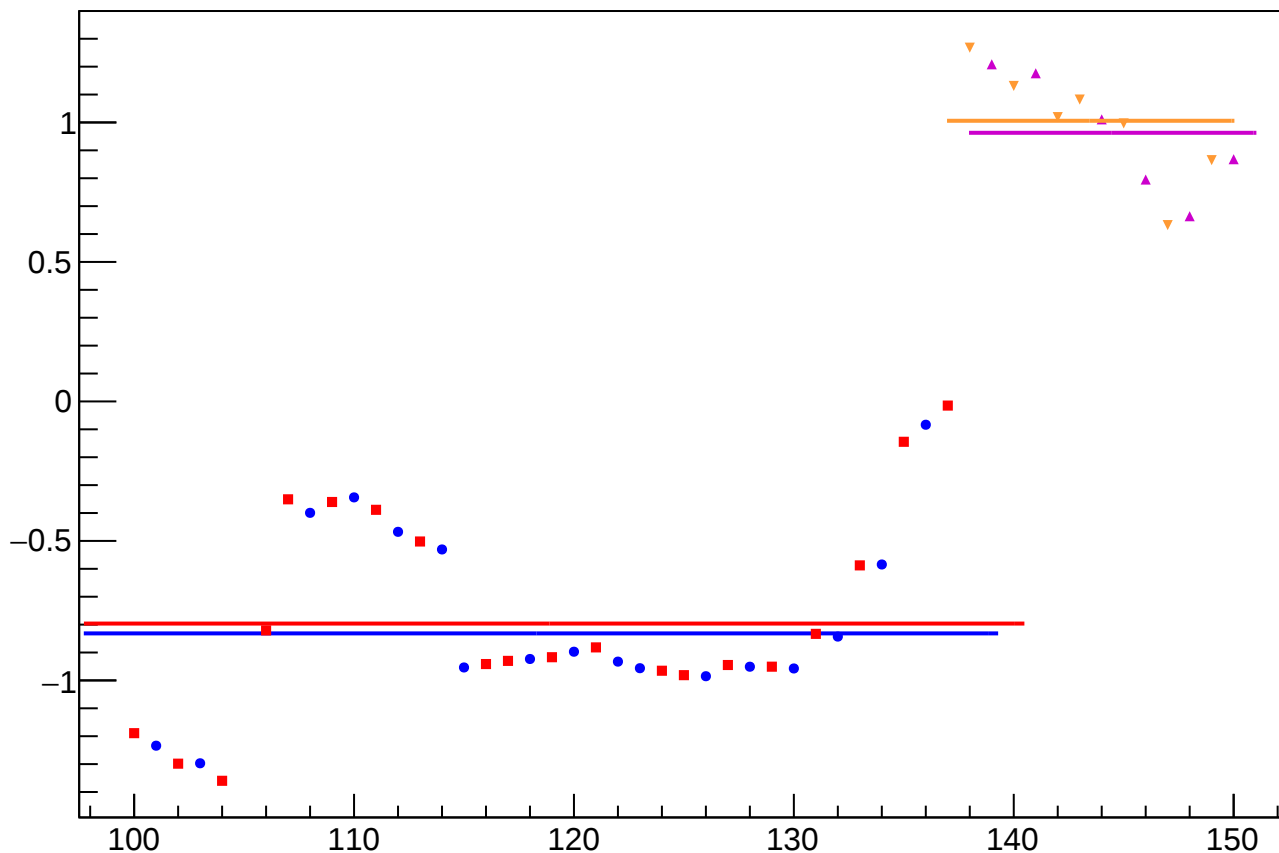
Left In: 0.010+/-0.000 χ^2/NDF : 101936.3/5

0.008+/-0.000 χ^2/NDF : 867388.7/23

0.008+/-0.000 χ^2/NDF : 1785021.3/49

0.008+/-0.000 χ^2/NDF : 917472.0/25

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF : 6692170860.9/16

Left Out: 1.006+/-0.000 χ^2/NDF : 1092939589.2/6

Right Out: -0.796+/-0.000 χ^2/NDF : 7827622544.3/19

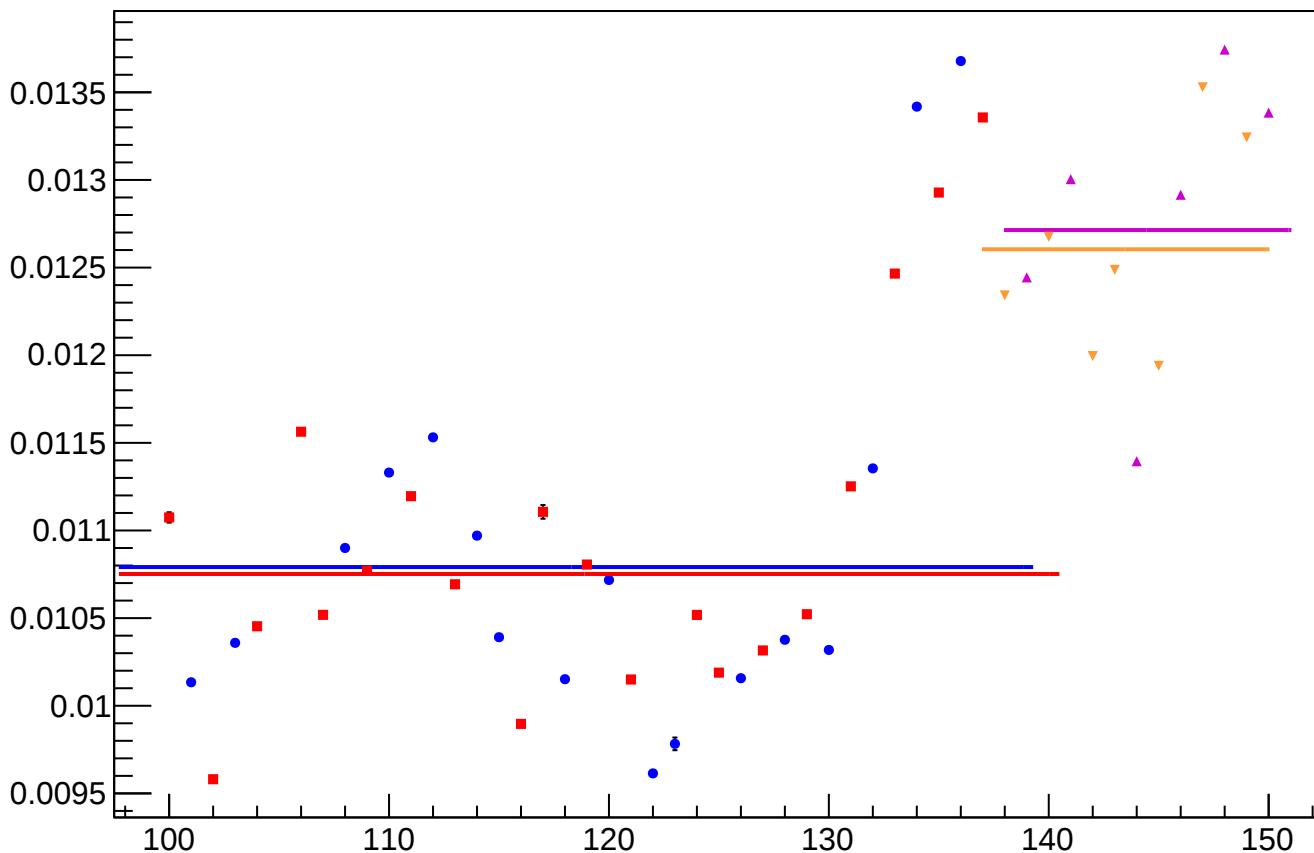
Left In: 0.963+/-0.000 χ^2/NDF : 1045859272.3/5

-0.185+/-0.000 χ^2/NDF : 74799031672.0/23

-0.203+/-0.000 χ^2/NDF : 144582277205.3

-0.220+/-0.000 χ^2/NDF : 69730718299.5/25

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 125802.4/16

Left Out: 0.013+/-0.000 χ^2/NDF : 18272.2/6

Right Out: 0.011+/-0.000 χ^2/NDF : 90303.3/19

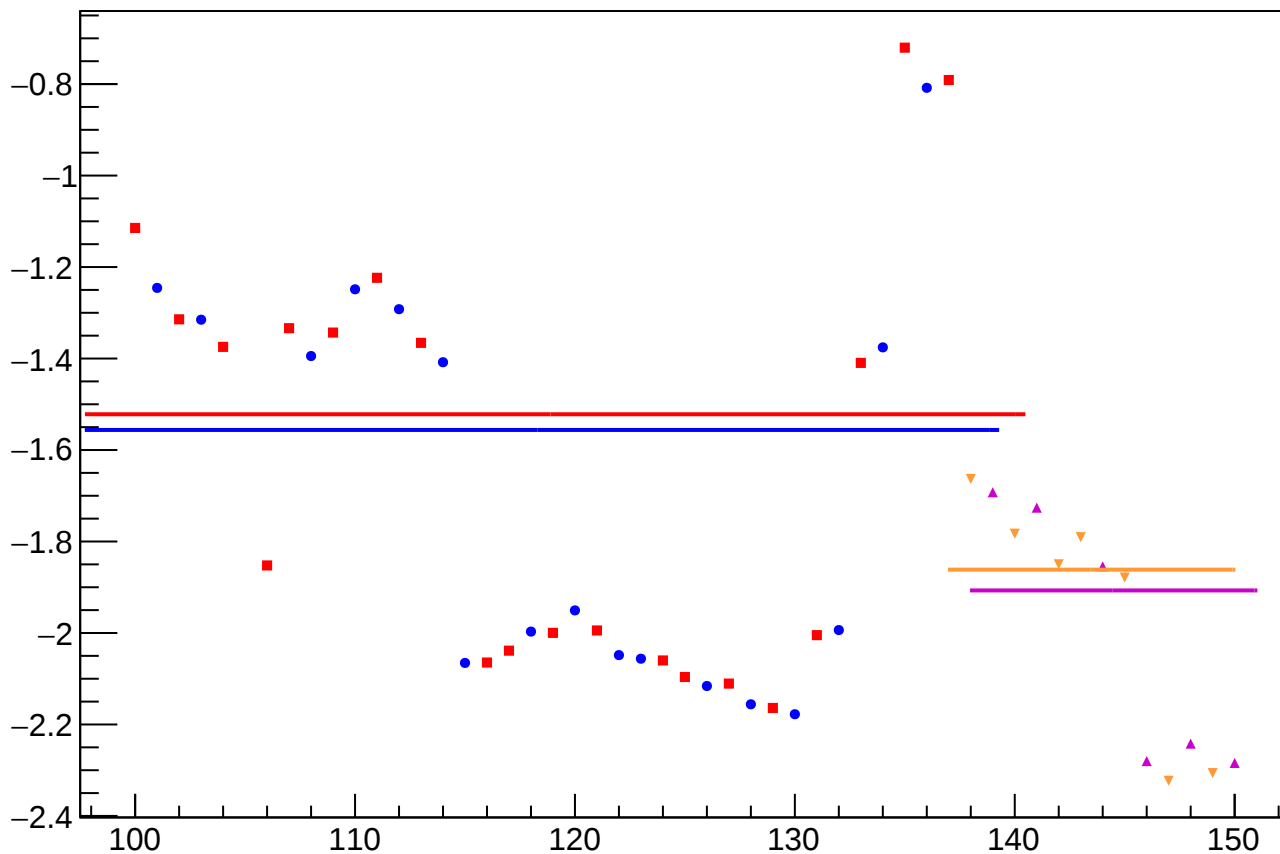
Left In: 0.013+/-0.000 χ^2/NDF : 37545.9/5

0.011+/-0.000 χ^2/NDF : 274539.0/23

0.011+/-0.000 χ^2/NDF : 553940.9/49

0.011+/-0.000 χ^2/NDF : 279299.9/25

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: -1.862+/-0.000 χ^2/NDF : 19288039401.1/6

Right Out: -1.522+/-0.000 χ^2/NDF : 139385229659.4/19

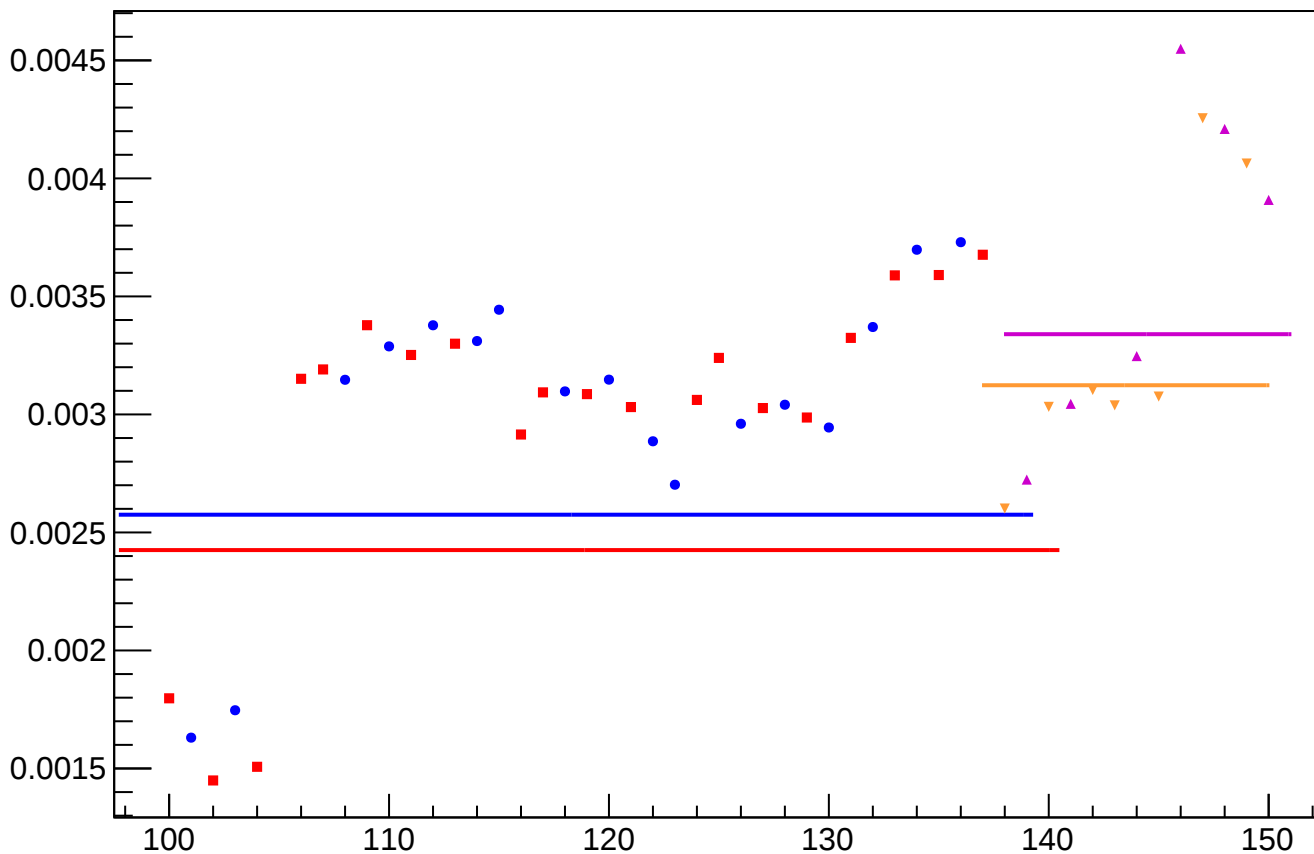
Left In: -1.907+/-0.000 χ^2/NDF : 20981894303.2/5

-1.658+/-0.000 χ^2/NDF : 200867503341.0/23

-1.641+/-0.000 χ^2/NDF : 400352384296.2

-1.625+/-0.000 χ^2/NDF : 198751004008.2/25

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 1013833.9/16

Left Out: 0.003+/-0.000 χ^2/NDF : 207494.5/6

Right Out: 0.002+/-0.000 χ^2/NDF : 1493210.7/19

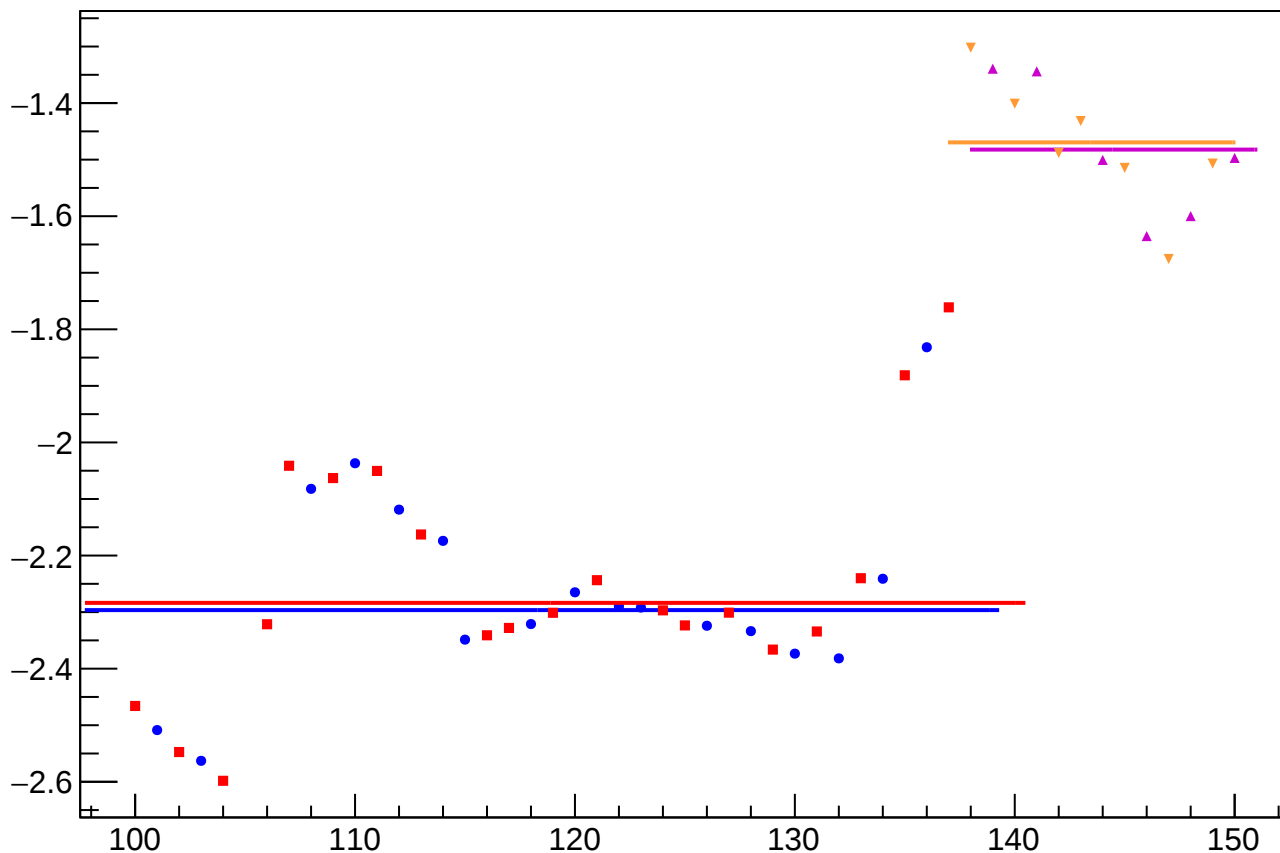
Left In: 0.003+/-0.000 χ^2/NDF : 237191.1/5

0.003+/-0.000 χ^2/NDF : 1392955.5/23

0.003+/-0.000 χ^2/NDF : 3566603.3/49

0.003+/-0.000 χ^2/NDF : 2163320.9/25

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.296 ± 0.000 χ^2/NDF : 5782980938.4/16

Left Out: -1.470 ± 0.000 χ^2/NDF : 730754730.7/6

Right Out: -2.284 ± 0.000 χ^2/NDF : 6550363990.6/19

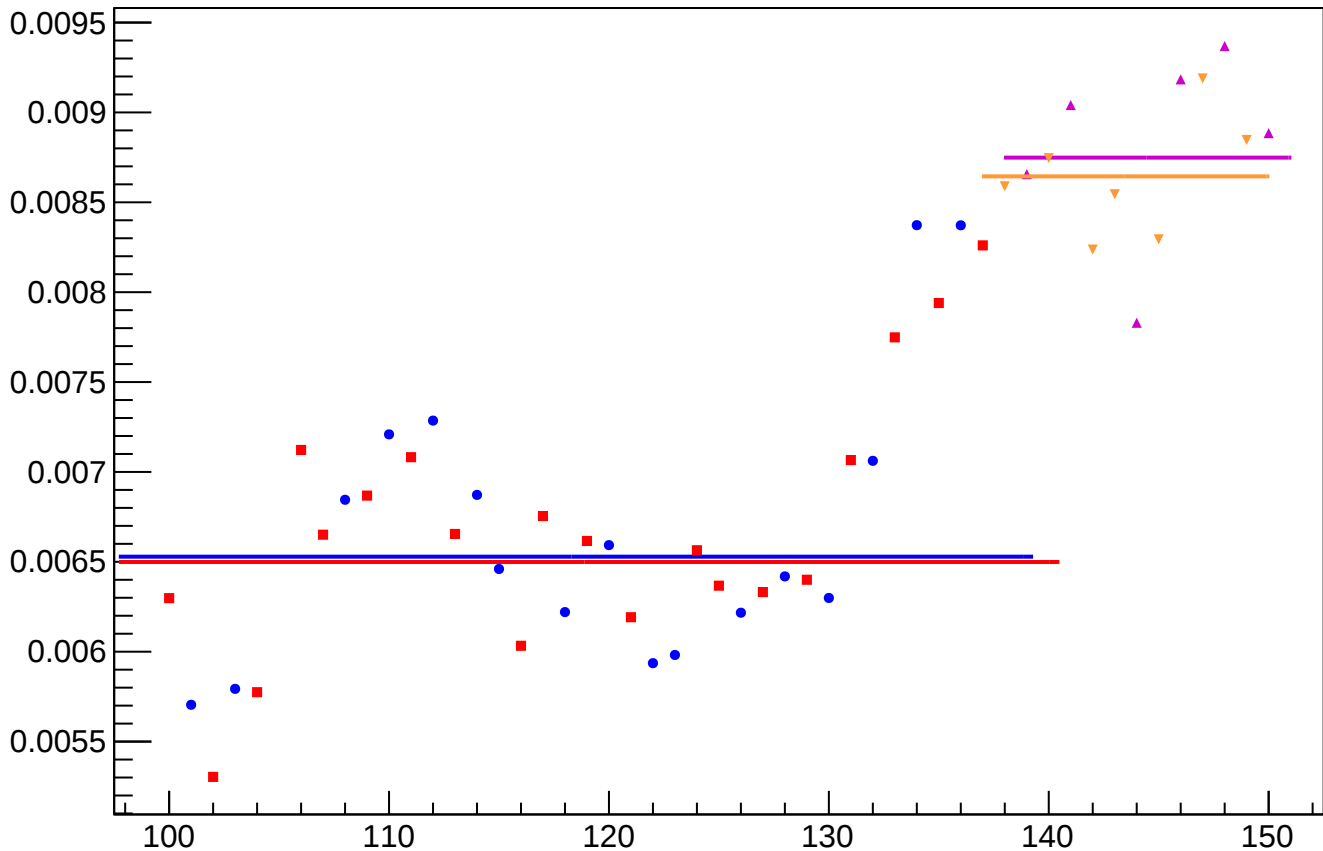
Left In: -1.482 ± 0.000 χ^2/NDF : 703882565.5/5

-2.052 ± 0.000 χ^2/NDF : 37233086986.0/23

-2.059 ± 0.000 χ^2/NDF : 72699025485.2/4

-2.066 ± 0.000 χ^2/NDF : 35443567963.9/25

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 176467.7/16

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 10851.8/6

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 164253.8/19

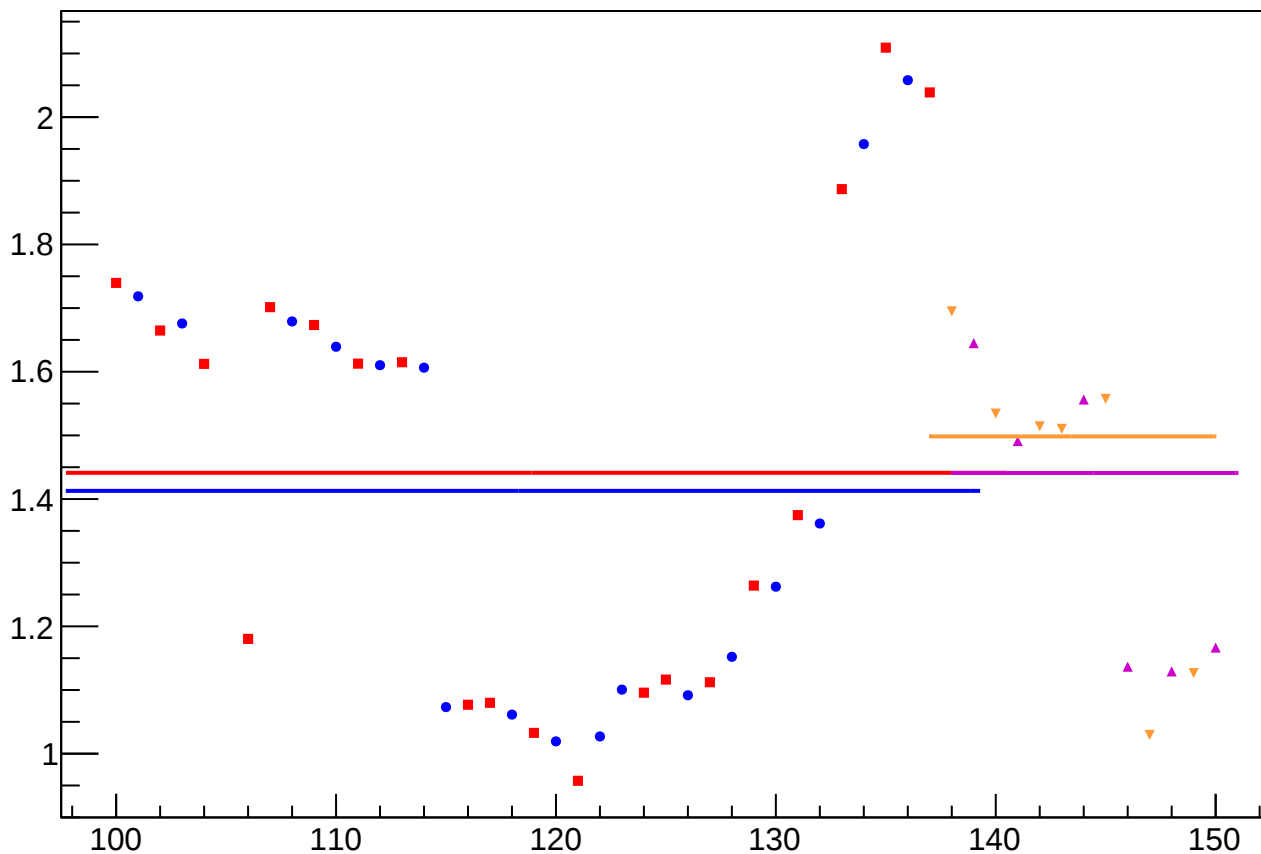
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 35186.8/5

0.007 $\pm$ 0.000 χ^2/NDF : 589452.7/23

0.007 $\pm$ 0.000 χ^2/NDF : 1233514.2/49

0.007 $\pm$ 0.000 χ^2/NDF : 643622.7/25

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 1.498+/-0.000 χ^2/NDF : 5995775513.2/6

Right Out: 1.441+/-0.000 χ^2/NDF : 174346888744.4/19

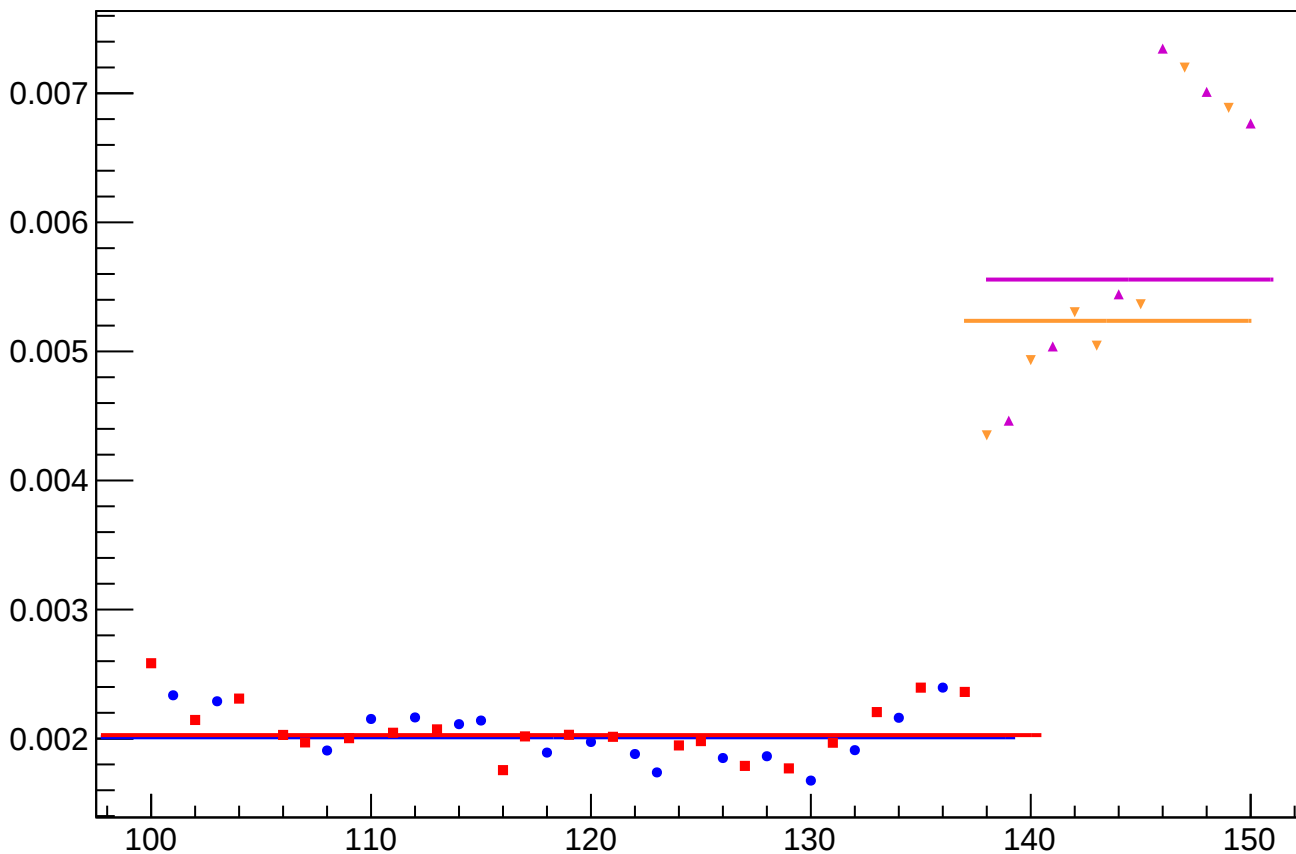
Left In: 1.441+/-0.000 χ^2/NDF : 5273928562.9/5

1.421+/-0.000 χ^2/NDF : 179601754336.5/23

1.431+/-0.000 χ^2/NDF : 359575887633.6/23

1.441+/-0.000 χ^2/NDF : 179620827882.6/25

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: 231284.8/6

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 103927.8/19

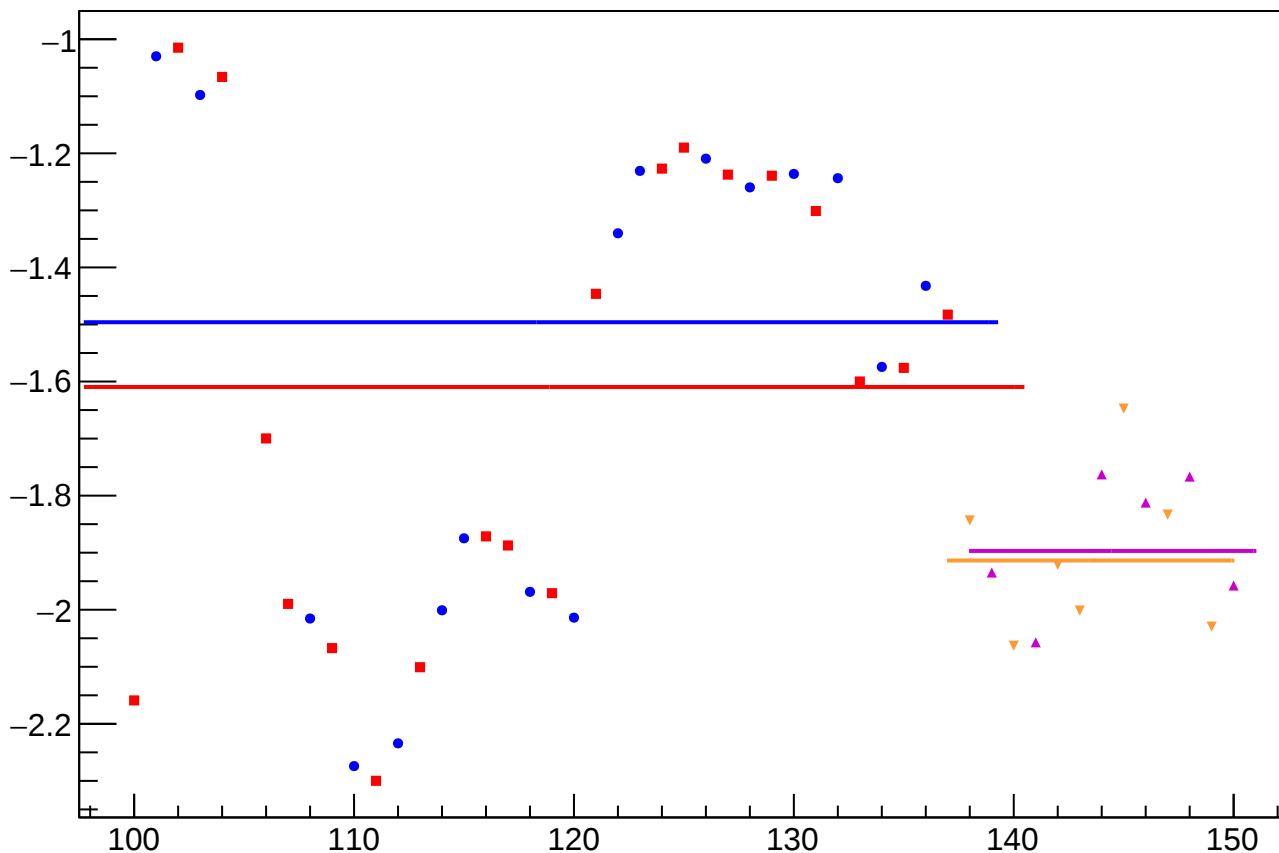
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 266342.6/5

0.002 $\pm$ 0.000 χ^2 /NDF: 3359909.6/23

0.002 $\pm$ 0.000 χ^2 /NDF: 6783489.6/49

0.002 $\pm$ 0.000 χ^2 /NDF: 3423317.1/25

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.914+/-0.000 χ^2/NDF : 2661346322.7/6

Right Out: -1.610+/-0.000 χ^2/NDF : 27919840690.9/19

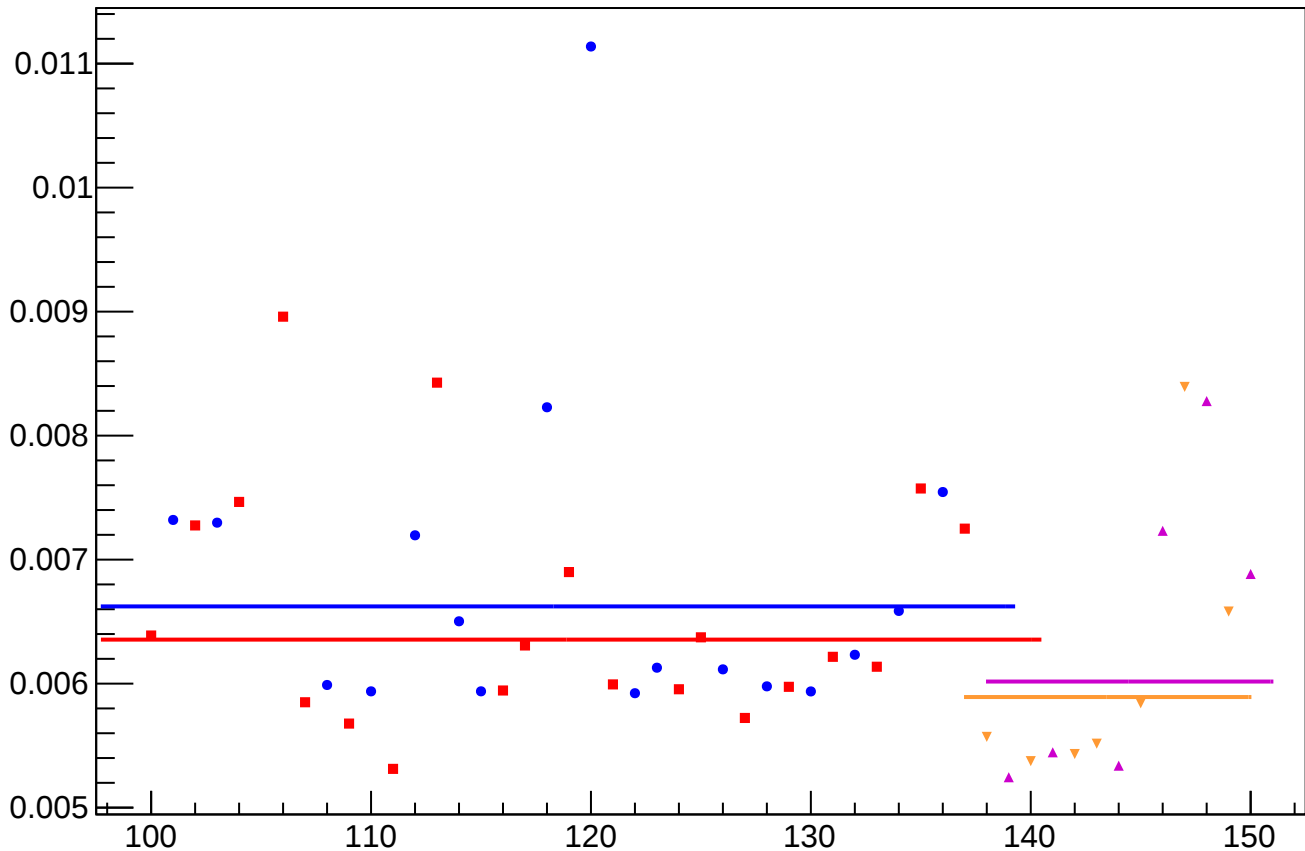
Left In: -1.897+/-0.000 χ^2/NDF : 1603051161.3/5

-1.701+/-0.000 χ^2/NDF : 37053722865.3/23

-1.717+/-0.000 χ^2/NDF : 72475712312.2/4

-1.732+/-0.000 χ^2/NDF : 35288229565.0/25

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 :171527.4/6

Right Out: 0.006+/-0.000 χ^2/NDF : 227865.9/19

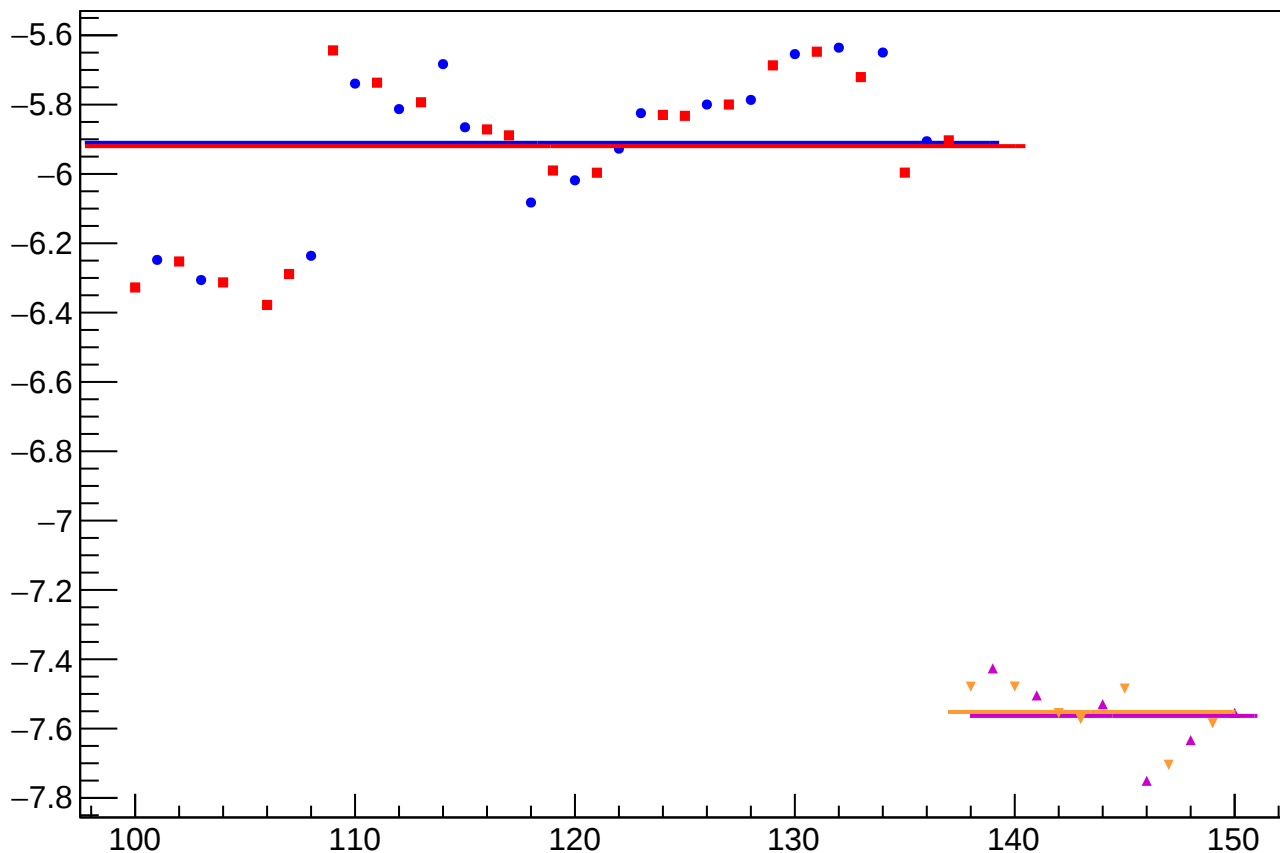
Left In: 0.006+/-0.000 χ^2/NDF :244565.8/5

0.006+/-0.000 χ^2/NDF : 476859.5/23

0.006+/-0.000 χ^2/NDF : 966047.2/49

0.006+/-0.000 χ^2/NDF : 488394.4/25

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.910 $\pm$ 0.000 χ^2/NDF : 11154434512.7/16

Left Out: -7.552 $\pm$ 0.000 χ^2/NDF : 360555184.4/6

-6.264 $\pm$ 0.000 χ^2/NDF : 129441737586.3/23

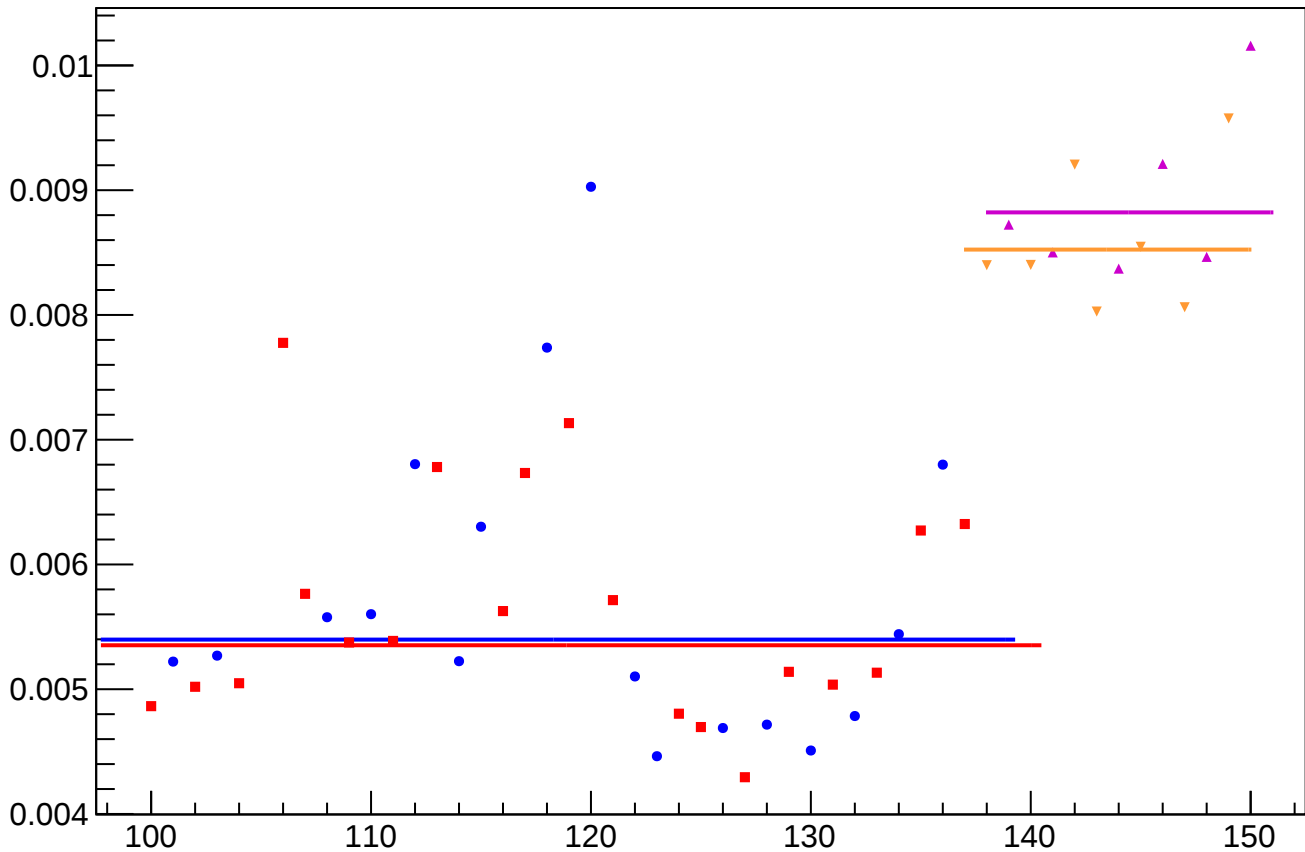
Right Out: -5.920 $\pm$ 0.000 χ^2/NDF : 12786449843.6/19

-6.247 $\pm$ 0.000 χ^2/NDF : 257444273246.6

-6.232 $\pm$ 0.000 χ^2/NDF : 127858988309.8/25

Left In: -7.563 $\pm$ 0.000 χ^2/NDF : 488774576.9/5

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 371347.4/16

Left Out: 0.009+/-0.000 χ^2/NDF : 29043.6/6

Right Out: 0.005+/-0.000 χ^2/NDF : 252664.1/19

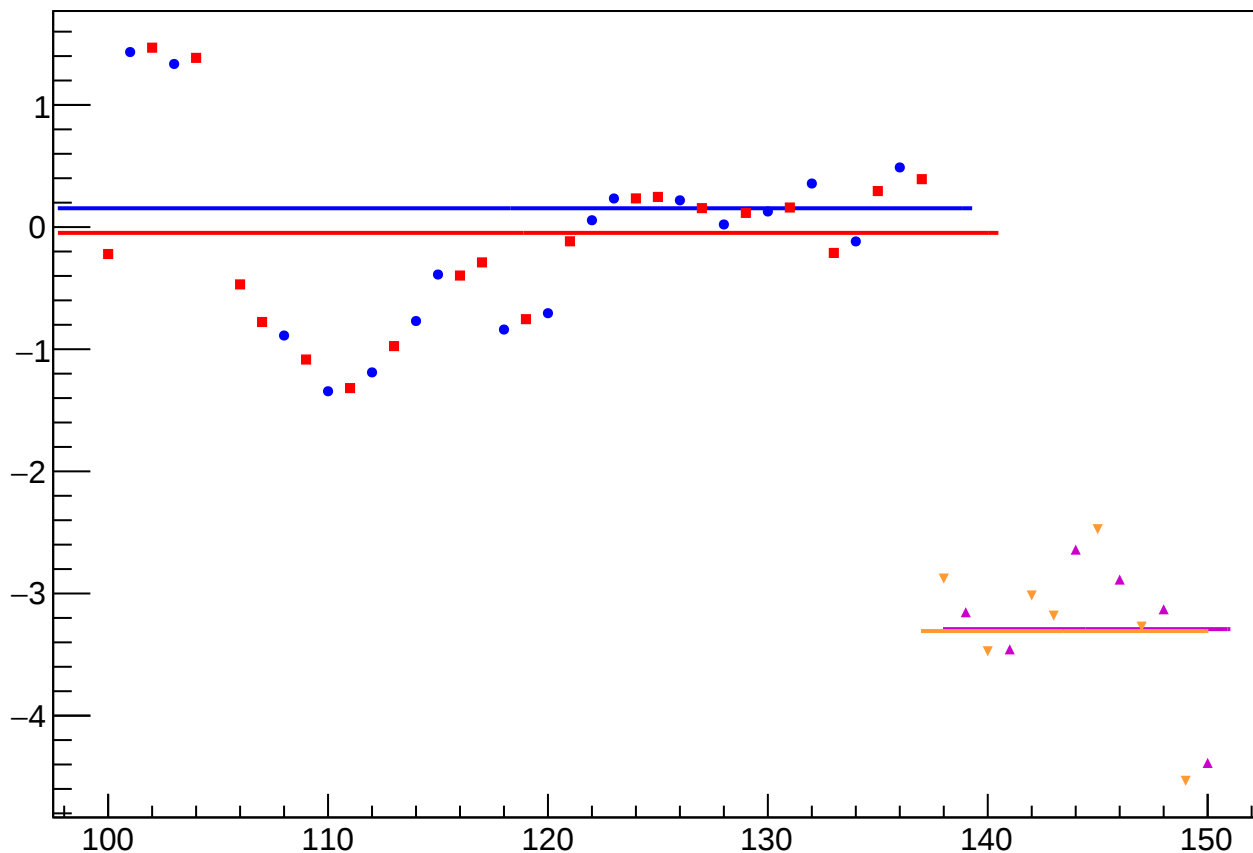
Left In: 0.009+/-0.000 χ^2/NDF : 36549.0/5

0.006+/-0.000 χ^2/NDF : 1255456.8/23

0.006+/-0.000 χ^2/NDF : 2566929.9/49

0.006+/-0.000 χ^2/NDF : 1310461.9/25

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.154+/-0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.307+/-0.000 χ^2/NDF : 6384556689.9/6

Right Out: -0.047+/-0.000 χ^2/NDF : 21216074494.2/19

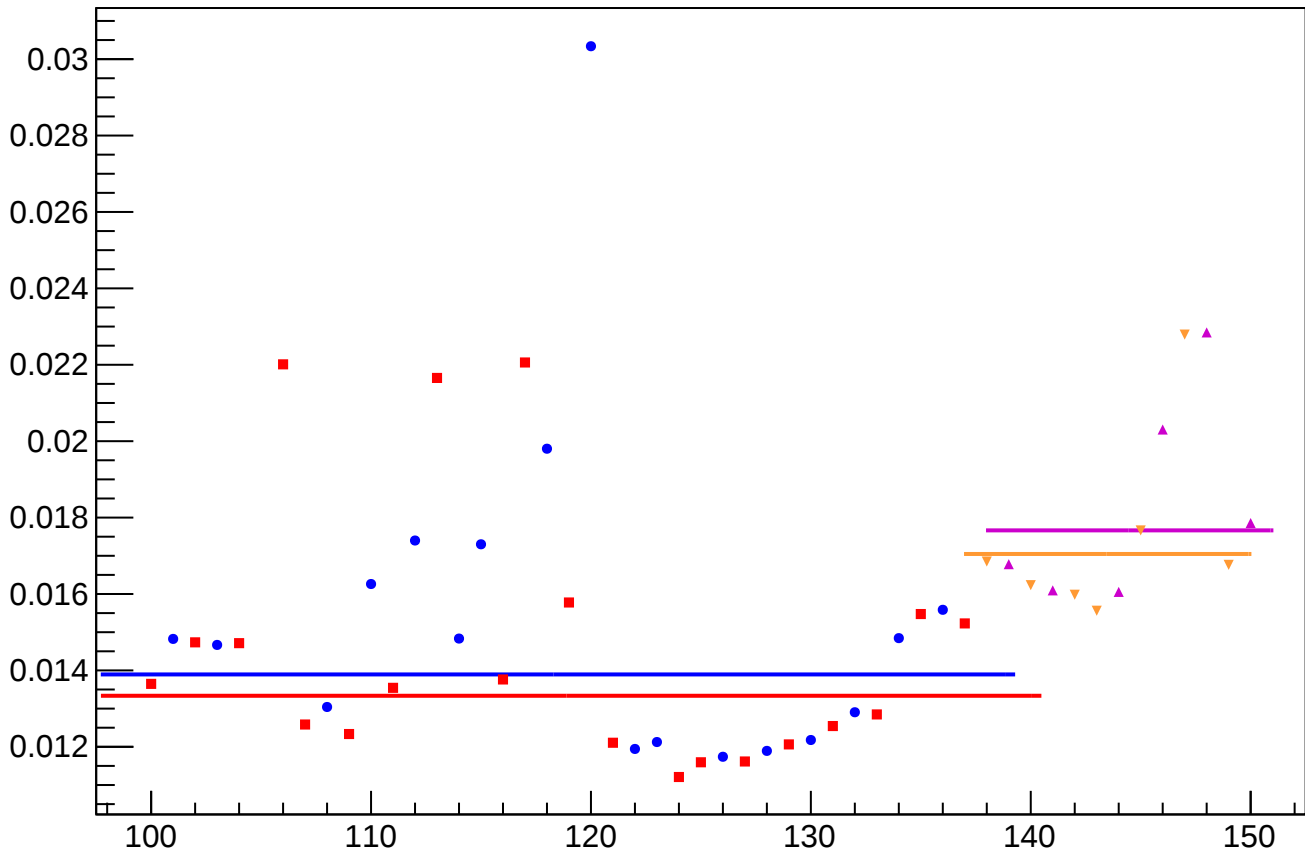
Left In: -3.292+/-0.000 χ^2/NDF : 4825669643.4/5

-1.027+/-0.000 χ^2/NDF : 148754861975.1/23

-0.992+/-0.000 χ^2/NDF : 283026207759.3

-0.960+/-0.000 χ^2/NDF : 134164028245.8/25

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 :111087.6/6

Right Out: 0.013+/-0.000 χ^2/NDF : 303459.9/19

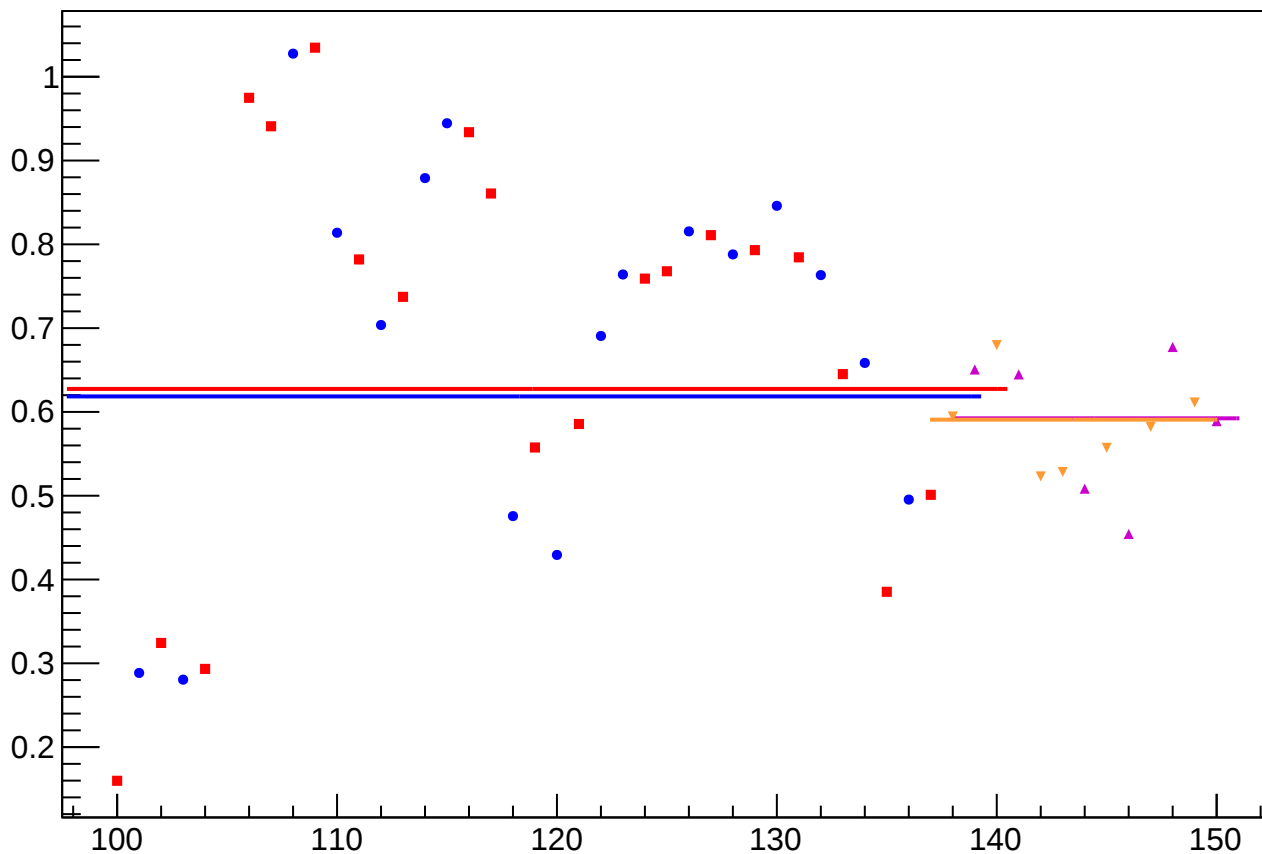
Left In: 0.018+/-0.000 χ^2/NDF :134237.4/5

0.015+/-0.000 χ^2/NDF : 719726.1/23

0.015+/-0.000 χ^2/NDF : 1550927.6/49

0.015+/-0.000 χ^2/NDF : 822804.2/25

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.619 ± 0.000 χ^2/NDF : 5416939288.1/16

Left Out: 0.591 ± 0.000 χ^2/NDF : 221413195.0/6

Right Out: 0.627 ± 0.000 χ^2/NDF : 6345684740.0/19

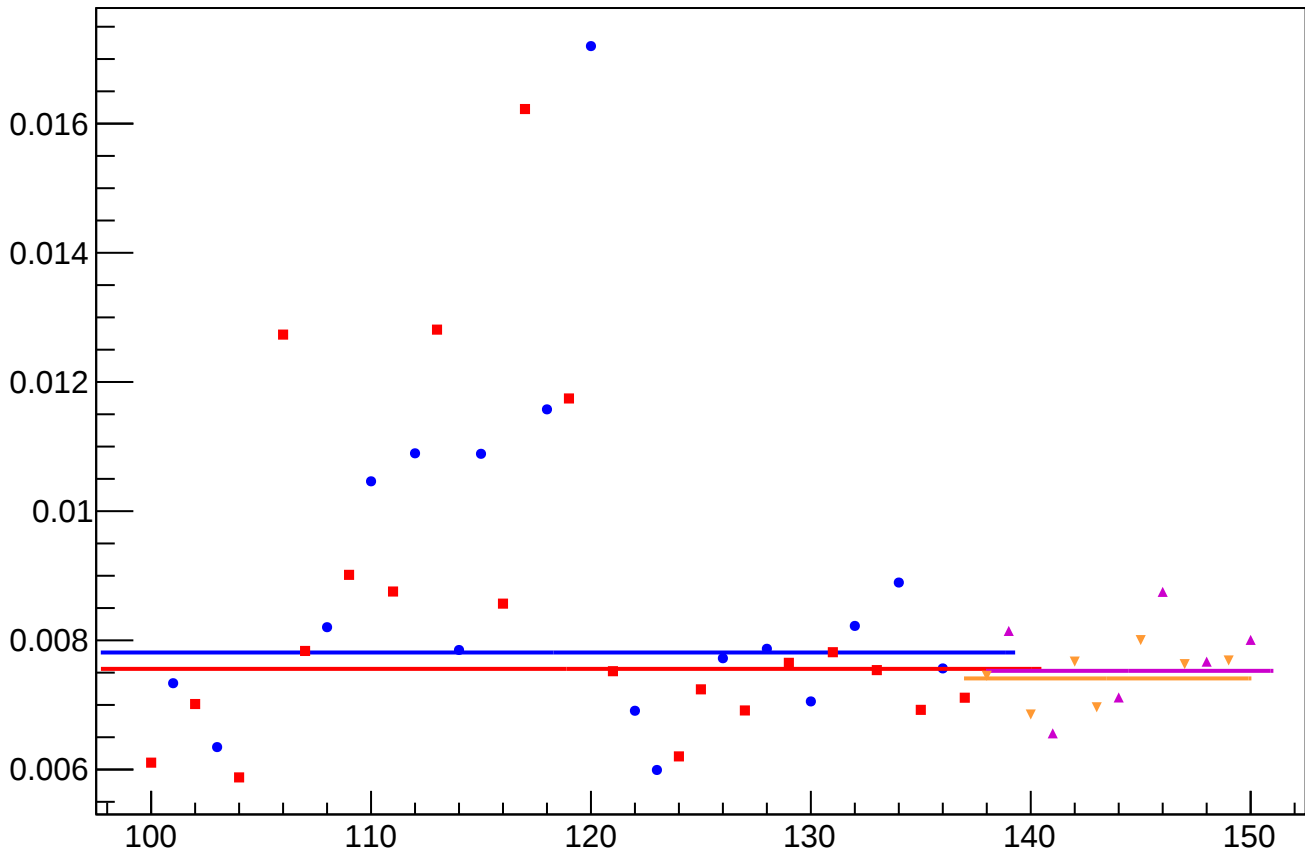
Left In: 0.592 ± 0.000 χ^2/NDF : 455770710.2/5

0.606 ± 0.000 χ^2/NDF : 5671992297.3/23

0.609 ± 0.000 χ^2/NDF : 12533745998.6/4

0.613 ± 0.000 χ^2/NDF : 6857231738.5/25

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 : 25935.3/6

Right Out: 0.008+/-0.000 χ^2/NDF : 463232.7/19

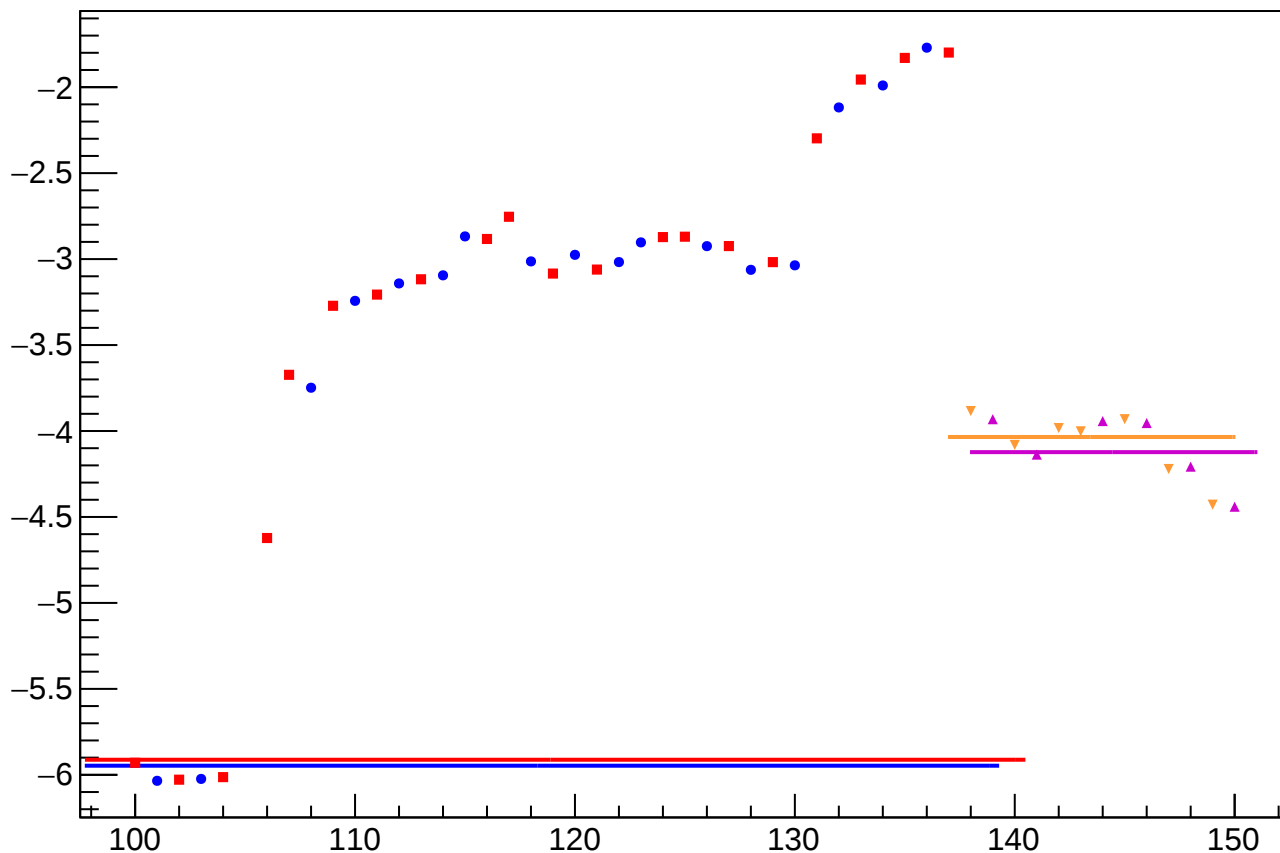
Left In: 0.008+/-0.000 χ^2/NDF : 80440.1/5

0.008+/-0.000 χ^2/NDF : 506859.6/23

0.008+/-0.000 χ^2/NDF : 1051836.6/49

0.008+/-0.000 χ^2/NDF : 543757.0/25

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -4.035+/-0.000 χ^2/NDF : 14852795.1/6

Right Out: -5.912+/-0.000 χ^2/NDF : 14648055548.9/19

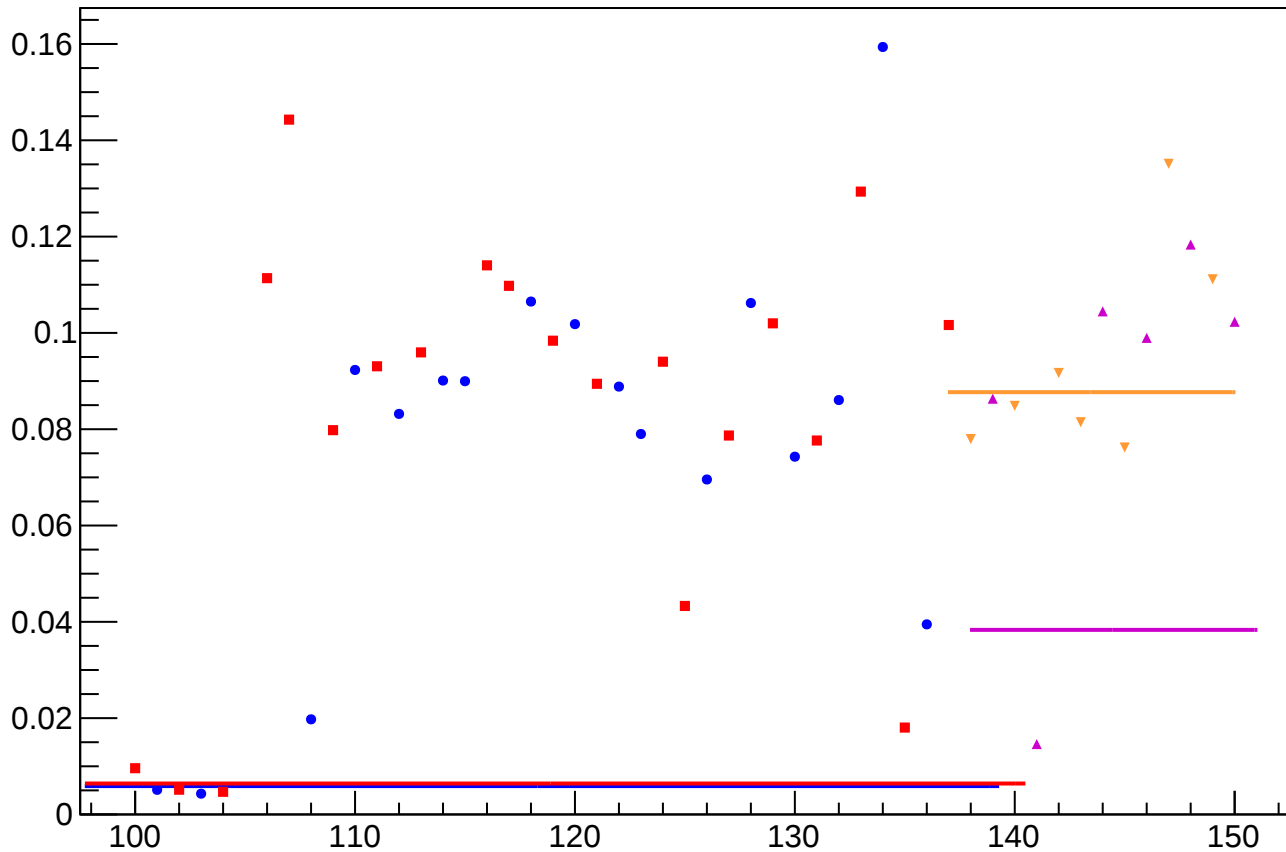
Left In: -4.123+/-0.000 χ^2/NDF : 14204272.4/5

-5.924+/-0.000 χ^2/NDF : 15226590898.9/23

-5.894+/-0.000 χ^2/NDF : 33715210710.6/4

-5.858+/-0.000 χ^2/NDF : 18392346895.6/25

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 7934545.2/16

Left Out: 0.088+/-0.000 χ^2/NDF : 293625.0/6

Right Out: 0.006+/-0.000 χ^2/NDF : 8558731.2/19

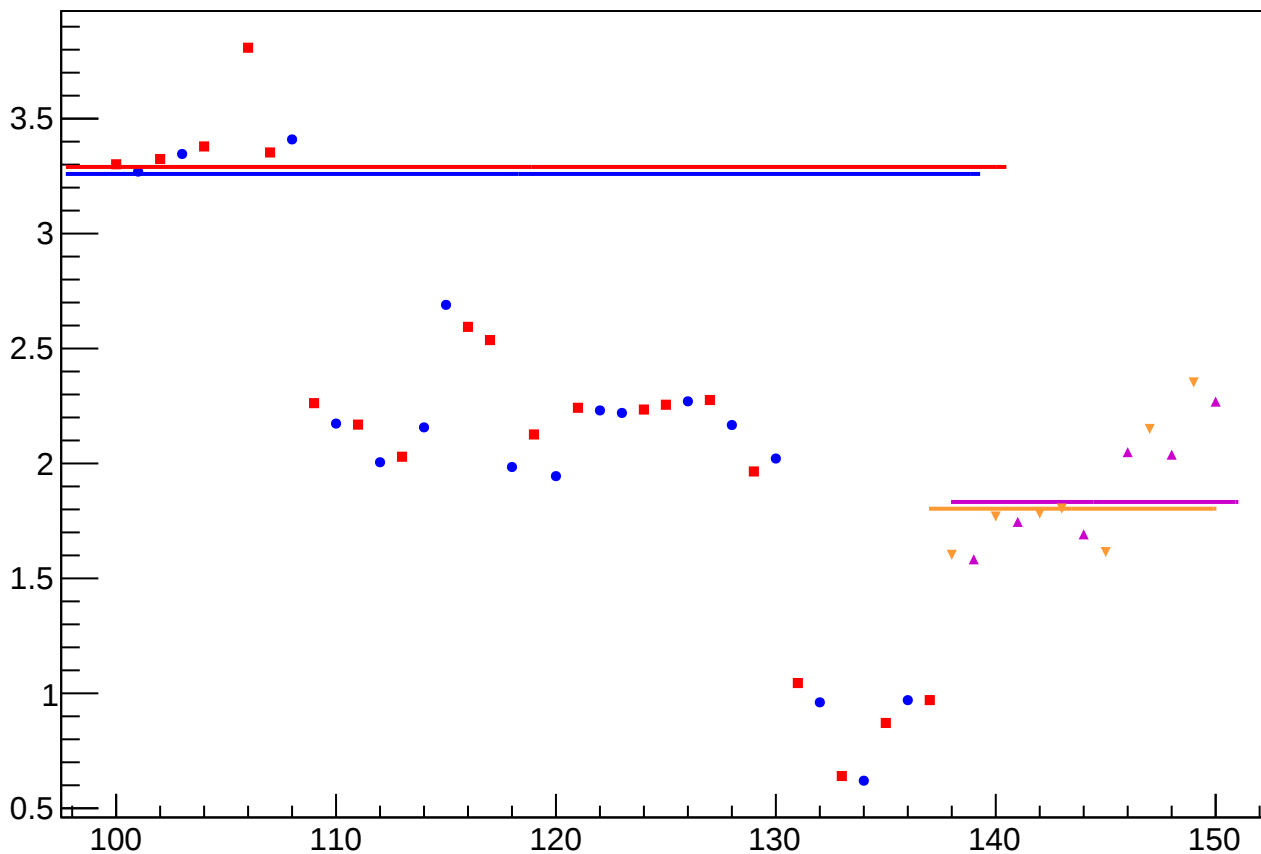
Left In: 0.038+/-0.000 χ^2/NDF : 3647721.1/5

0.007+/-0.000 χ^2/NDF : 15716977.2/23

0.007+/-0.000 χ^2/NDF : 30308406.6/49

0.007+/-0.000 χ^2/NDF : 14578777.9/25

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.259+/-0.000 χ^2/NDF : 2921931976.8/16

Left Out: 1.803+/-0.000 χ^2/NDF : 29091250.3/6

Right Out: 3.290+/-0.000 χ^2/NDF : 3263300926.6/19

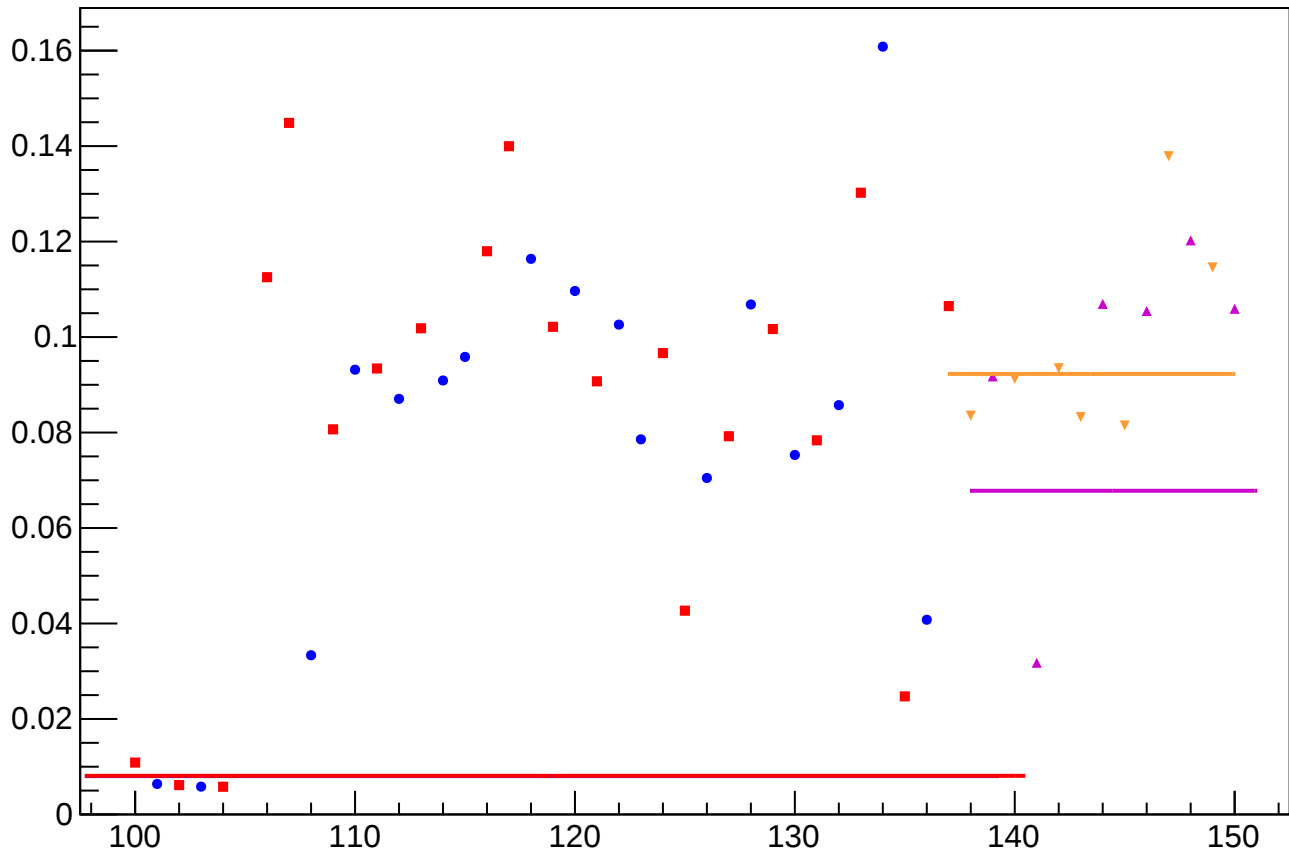
Left In: 1.833+/-0.000 χ^2/NDF : 24531334.6/5

3.234+/-0.000 χ^2/NDF : 4023345384.8/23

3.245+/-0.000 χ^2/NDF : 8611207189.0/49

3.256+/-0.000 χ^2/NDF : 4580706833.7/25

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 7742048.1/16

Left Out: 0.092+/-0.000 χ^2/NDF : 256474.4/6

Right Out: 0.008+/-0.000 χ^2/NDF : 8375005.0/19

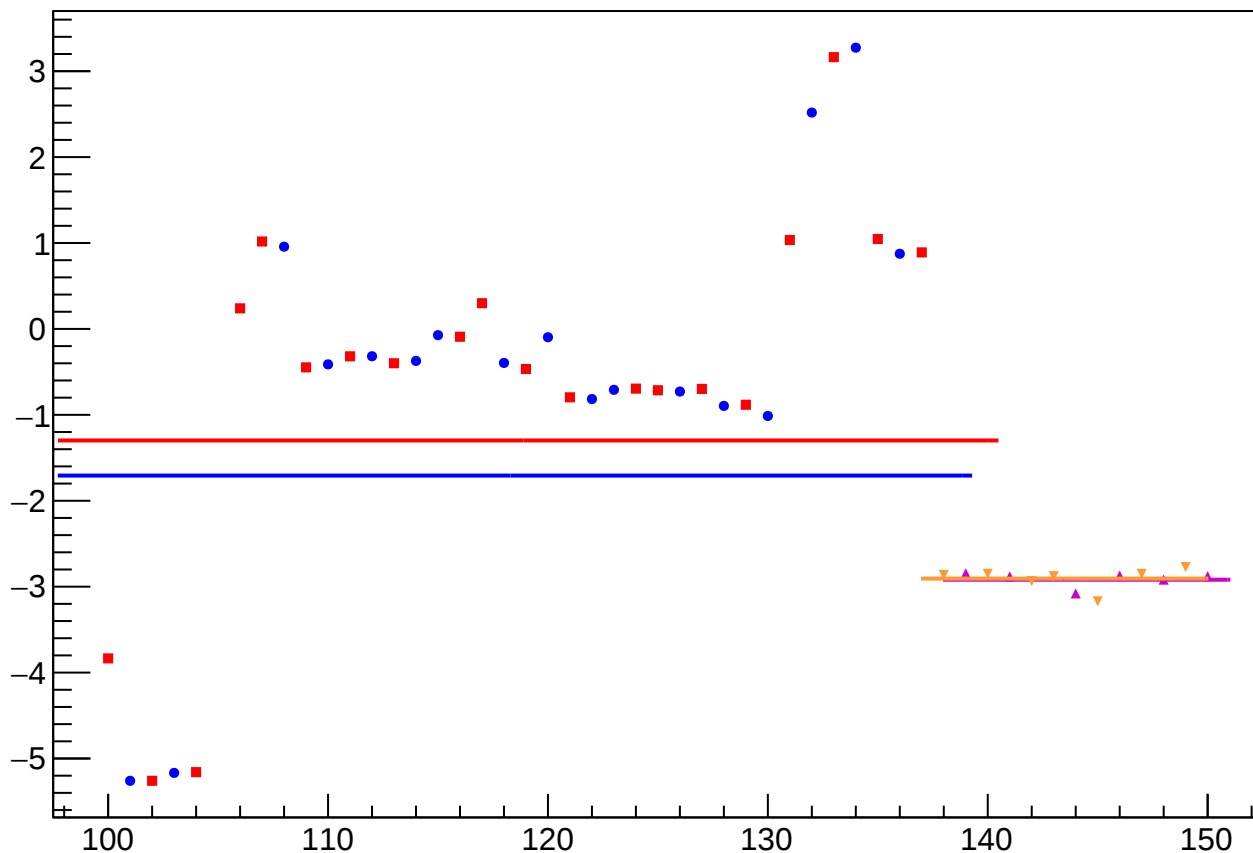
Left In: 0.068+/-0.000 χ^2/NDF : 1738712.5/5

0.010+/-0.000 χ^2/NDF : 15173882.0/23

0.009+/-0.000 χ^2/NDF : 29627911.2/49

0.009+/-0.000 χ^2/NDF : 14453946.8/25

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.906+/-0.000 χ^2/NDF : 1210827706.6/6

Right Out: -1.298+/-0.000 χ^2/NDF : 178085926993.4/19

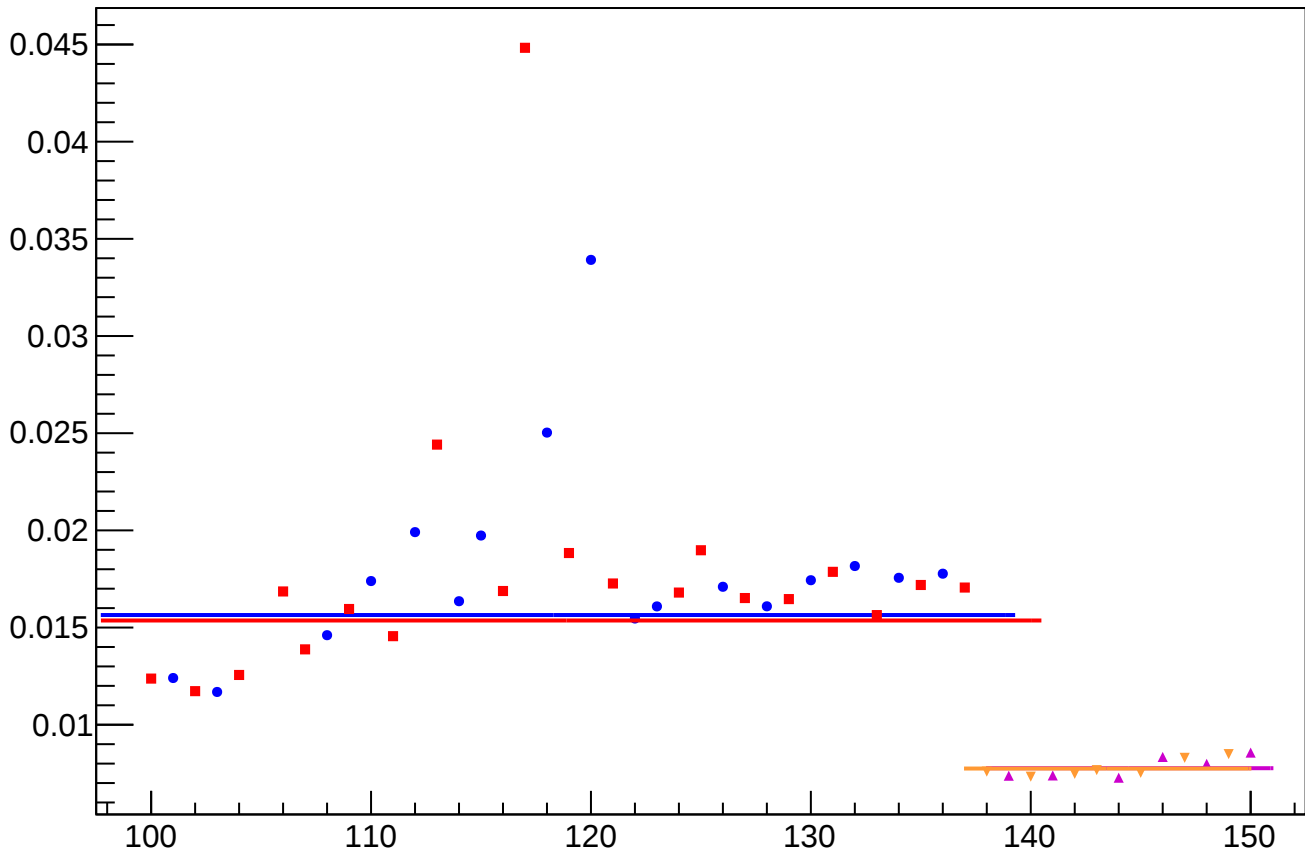
Left In: -2.919+/-0.000 χ^2/NDF : 532877111.2/5

-2.637+/-0.000 χ^2/NDF : 192877641804.8/23

-2.571+/-0.000 χ^2/NDF : 423958011967.9

-2.506+/-0.000 χ^2/NDF : 230192492454.1/25

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF : 578244.3/16

Left Out: 0.010+/-0.000 χ^2/NDF : 2821961.0/23

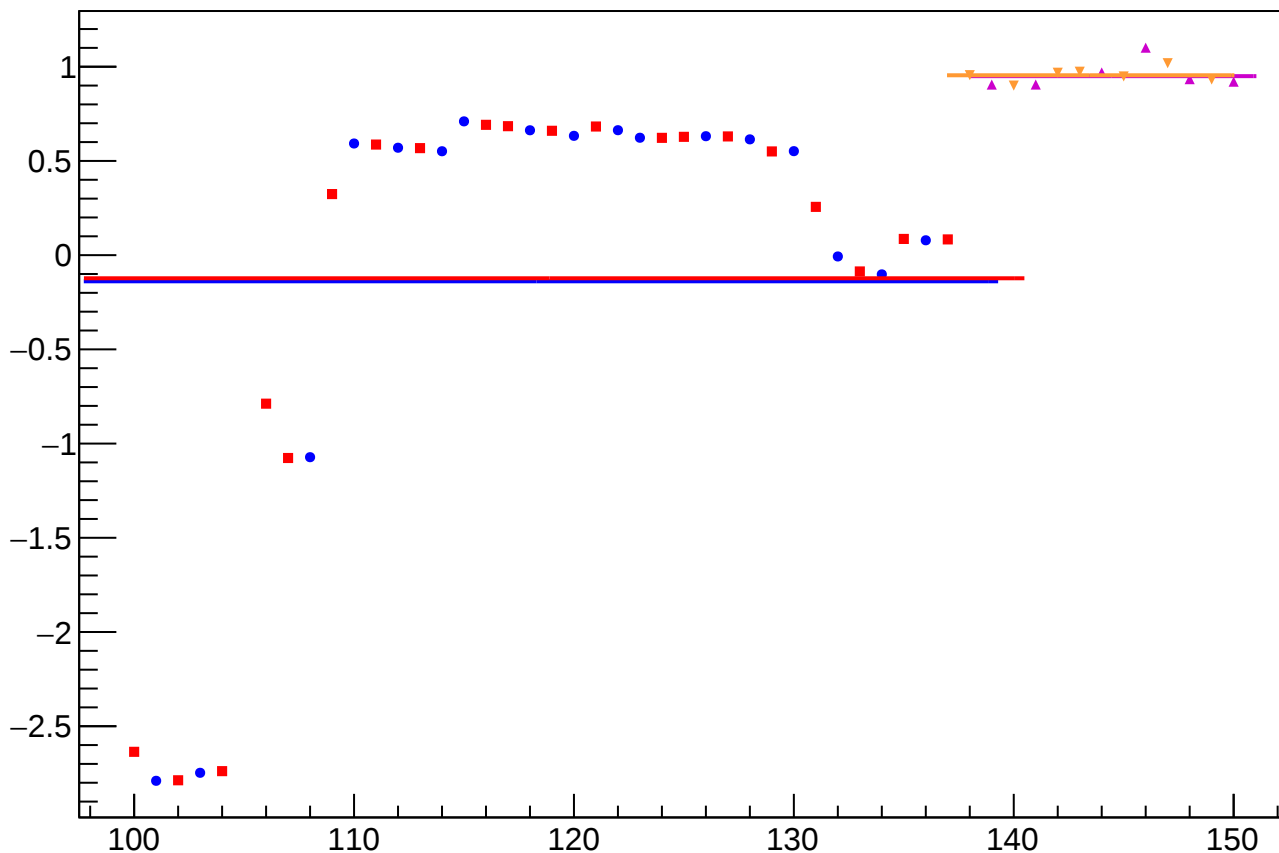
0.010+/-0.000 χ^2/NDF : 5519204.8/49

Right Out: 0.015+/-0.000 χ^2/NDF : 387283.2/19

0.010+/-0.000 χ^2/NDF : 2693720.6/25

Left In: 0.008+/-0.000 χ^2/NDF : 38325.5/5

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -0.139+/-0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.955+/-0.000 χ^2/NDF : 121362244.5/6

0.026+/-0.000 χ^2/NDF : 807738660790.2/23

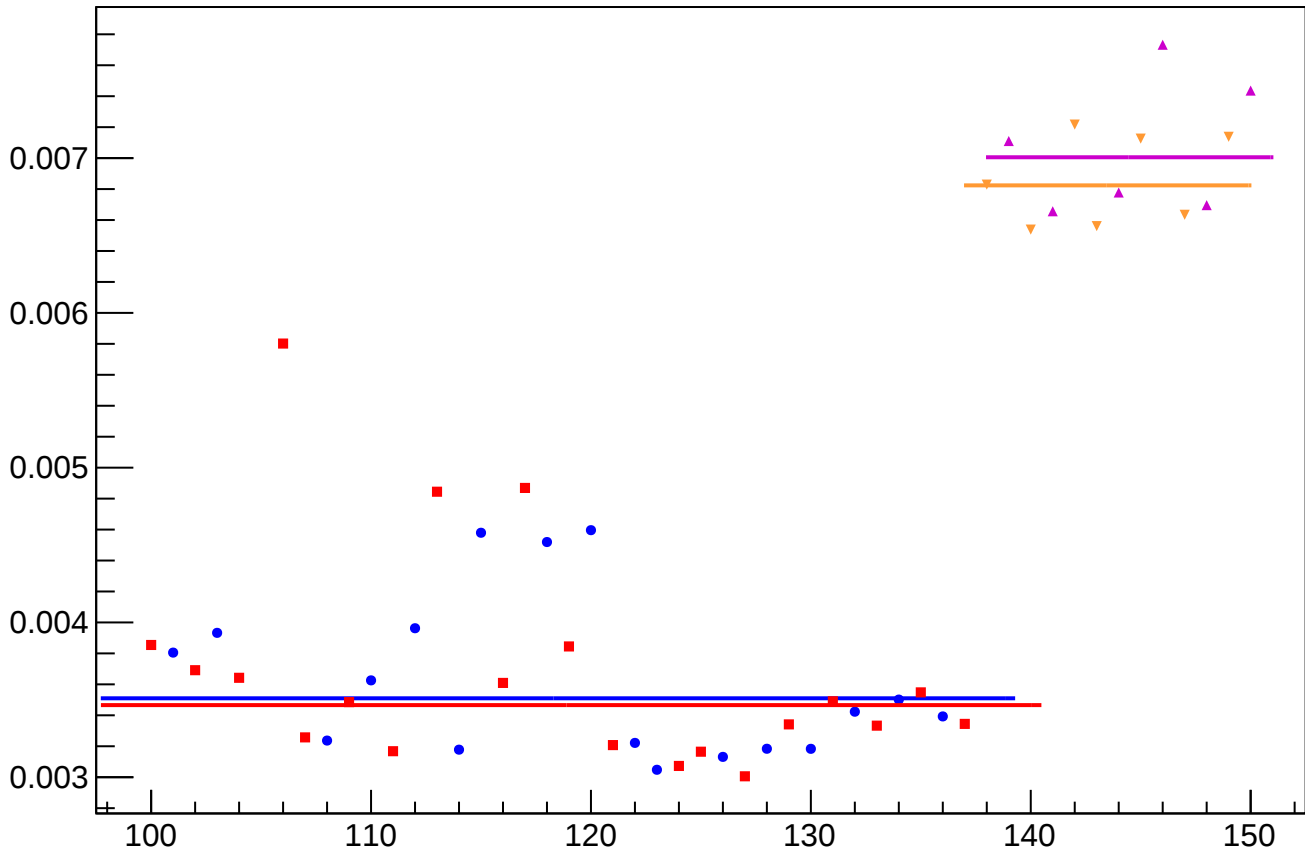
Right Out: -0.123+/-0.000 χ^2/NDF : 762580598699.5/19

0.023+/-0.000 χ^2/NDF : 1656837716785.1

Left In: 0.950+/-0.000 χ^2/NDF : 326579357.9/5

0.020+/-0.000 χ^2/NDF : 849086544164.2/25

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:12901.6/6

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 222524.1/19

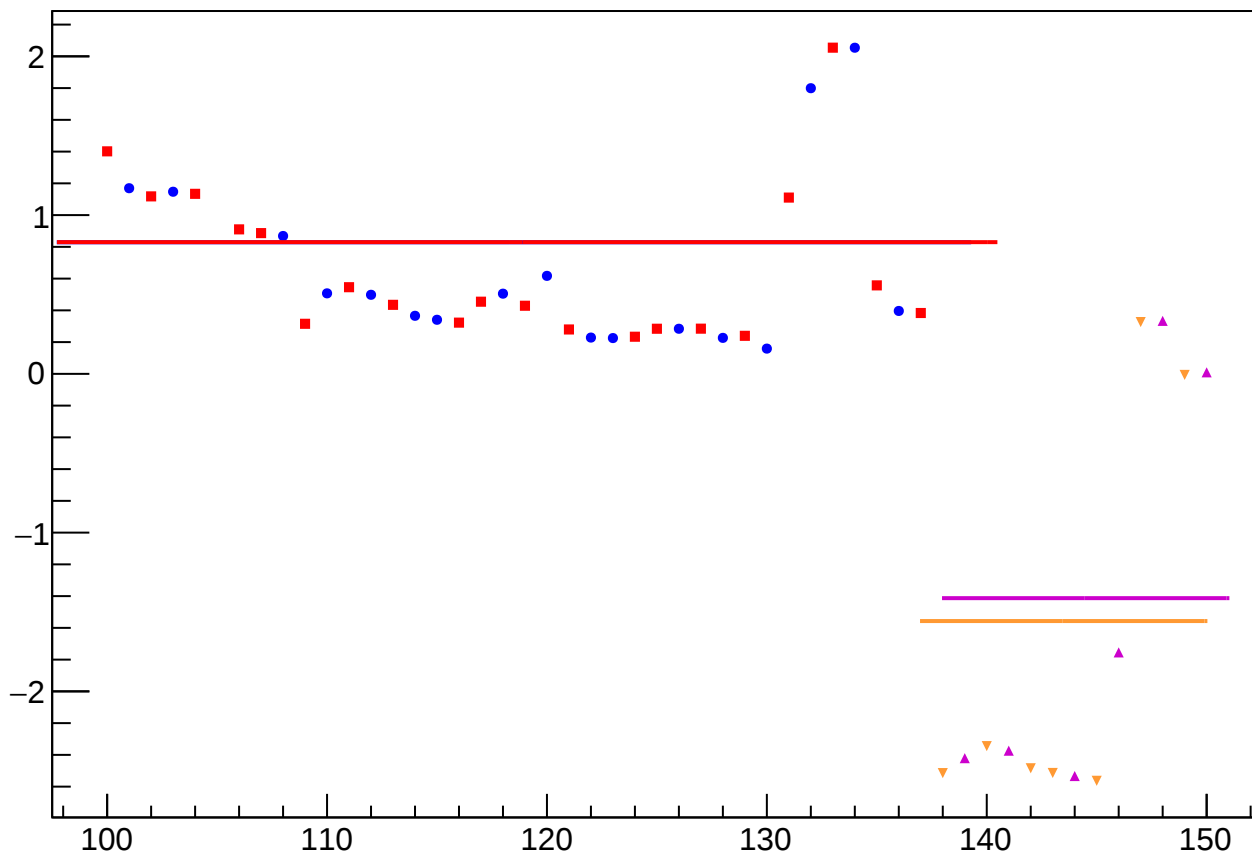
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:25713.7/5

0.004 $\pm$ 0.000 χ^2 /NDF: 1885134.5/23

0.004 $\pm$ 0.000 χ^2 /NDF: 4013311.4/49

0.004 $\pm$ 0.000 χ^2 /NDF: 2124820.4/25

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.829 ± 0.000 χ^2/NDF : 31718573821.2/16

Left Out: -1.557 ± 0.000 χ^2/NDF : 176164309483.6/6

Right Out: 0.830 ± 0.000 χ^2/NDF : 33349713412.0/19

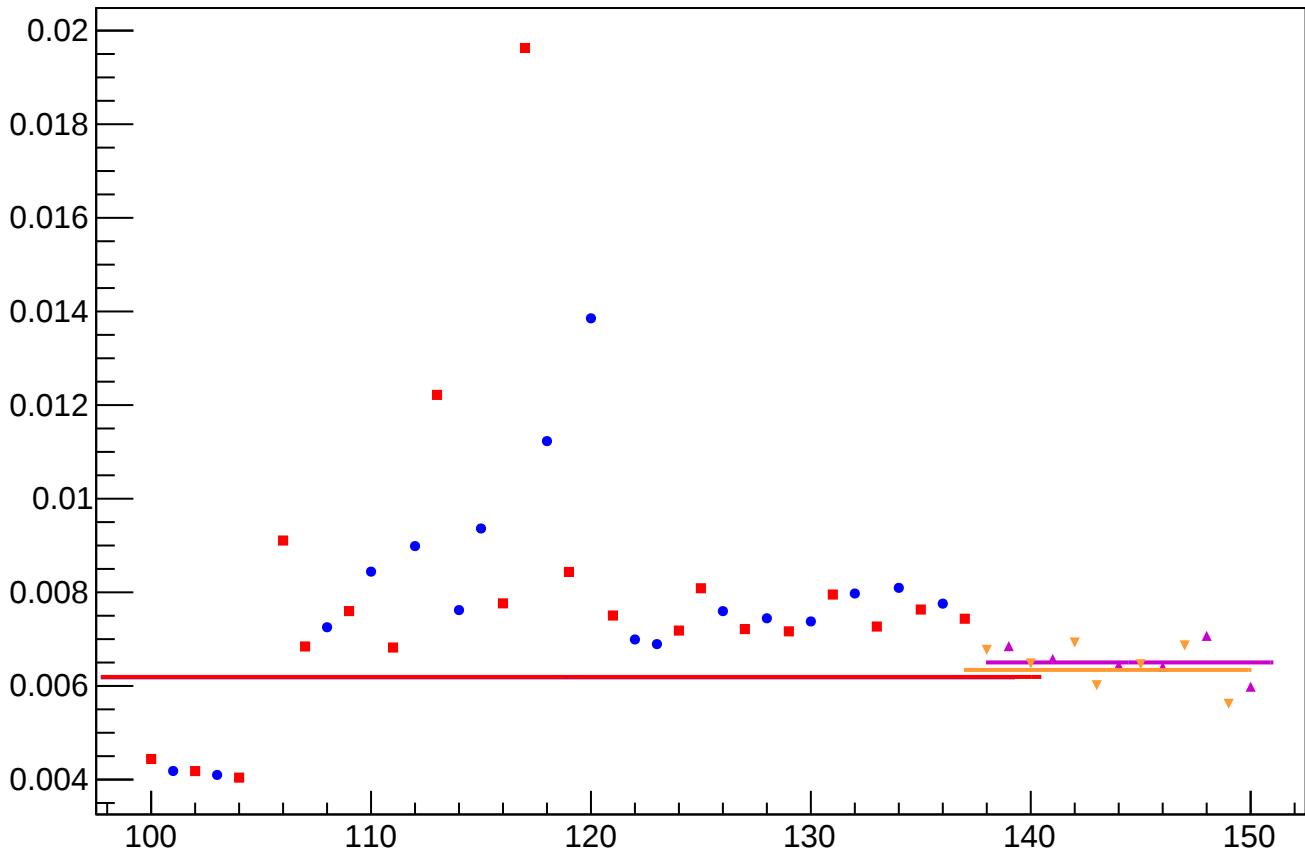
Left In: -1.413 ± 0.000 χ^2/NDF : 148127658451.4/5

-0.238 ± 0.000 χ^2/NDF : 561547321777.6/23

-0.164 ± 0.000 χ^2/NDF : 1060075633353.6/23

-0.093 ± 0.000 χ^2/NDF : 495857407335.4/25

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 : 49359.5/6

Right Out: 0.006+/-0.000 χ^2/NDF : 1062886.2/19

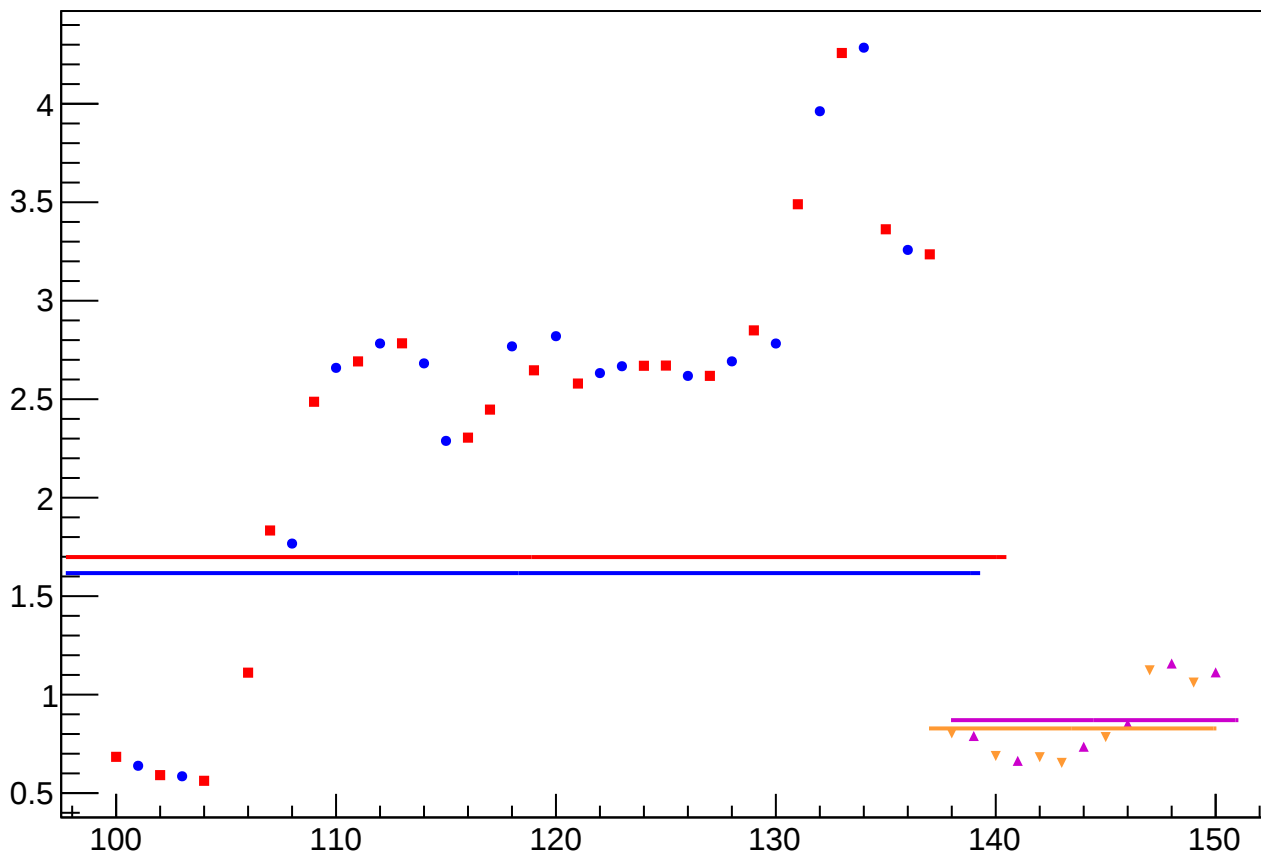
Left In: 0.007+/-0.000 χ^2/NDF : 25632.0/5

0.006+/-0.000 χ^2/NDF : 1281408.9/23

0.006+/-0.000 χ^2/NDF : 2382995.6/49

0.006+/-0.000 χ^2/NDF : 1100521.3/25

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 0.828+/-0.000 χ^2/NDF : 3159634449.6/6

1.277+/-0.000 χ^2/NDF : 244484628206.9/23

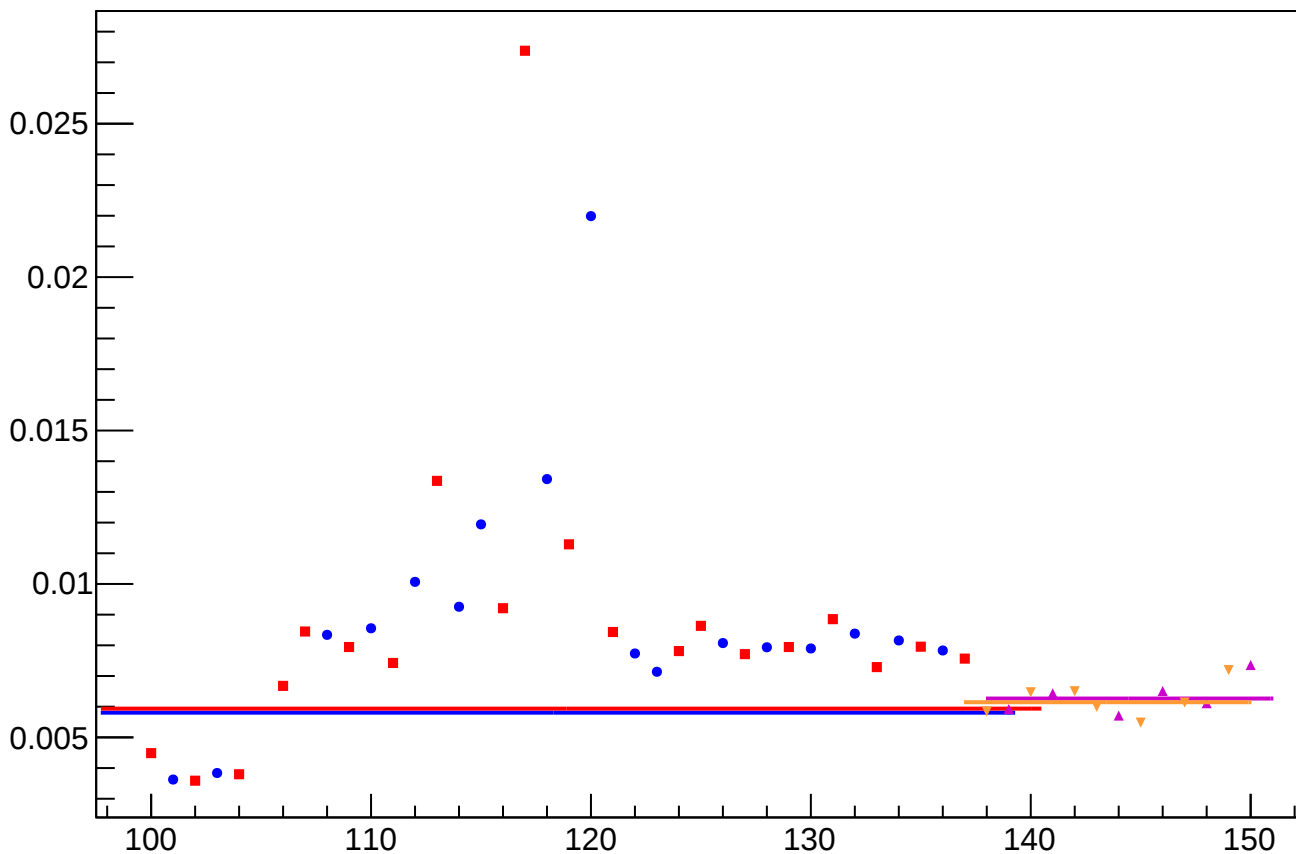
1.320+/-0.000 χ^2/NDF : 518906495154.6/19

Right Out: 1.698+/-0.000 χ^2/NDF : 227436227264.4/19

1.362+/-0.000 χ^2/NDF : 273496146083.4/25

Left In: 0.870+/-0.000 χ^2/NDF : 3625663921.2/5

yield_bpm0l05Y_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 : 56217.7/6

Right Out: 0.006+/-0.000 χ^2/NDF : 1731283.0/19

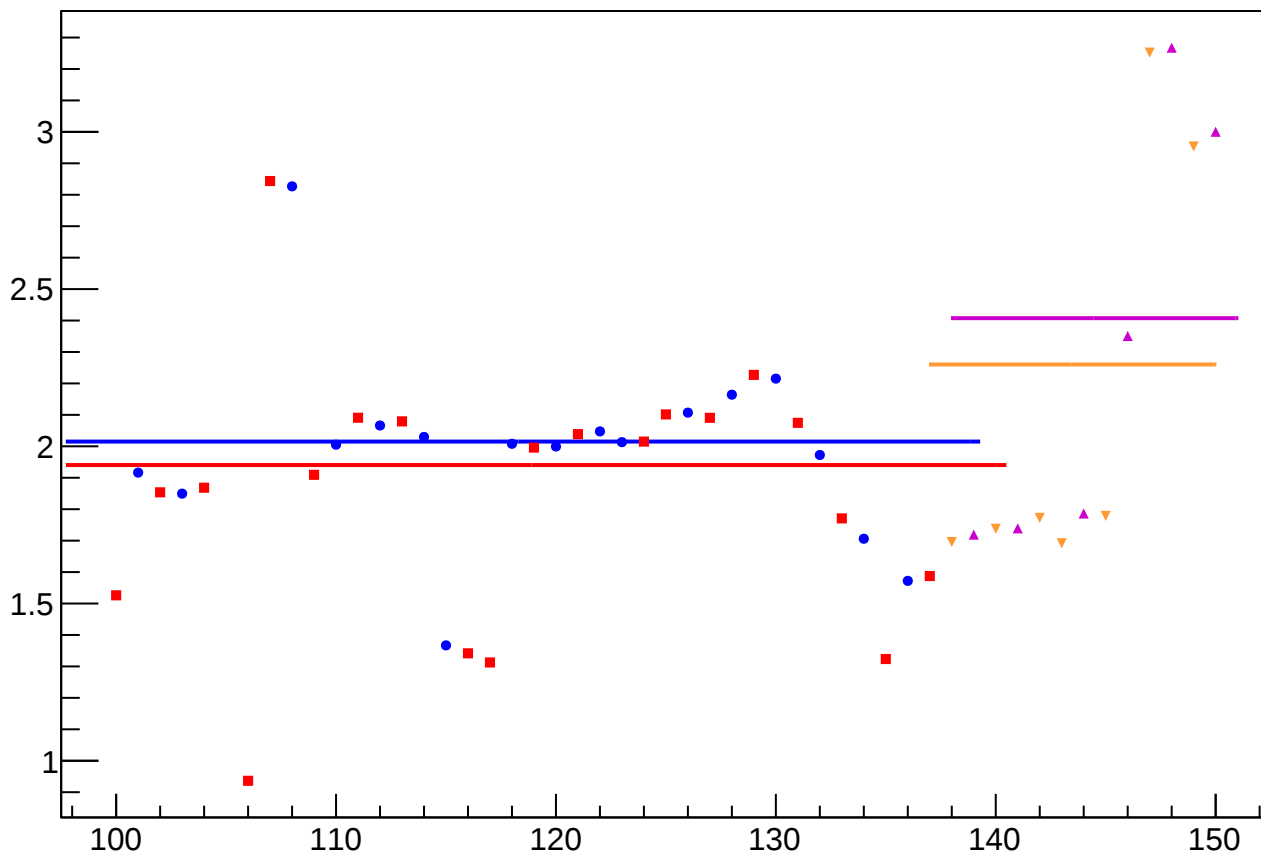
Left In: 0.006+/-0.000 χ^2/NDF : 53948.3/5

0.006+/-0.000 χ^2/NDF : 1988564.3/23

0.006+/-0.000 χ^2/NDF : 3790723.0/49

0.006+/-0.000 χ^2/NDF : 1798601.7/25

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.015+/-0.000 χ^2/NDF : 12228403202.6/16

Left Out: 2.260+/-0.000 χ^2/NDF : 34341979118.8/6

Right Out: 1.940+/-0.000 χ^2/NDF : 21732099424.5/19

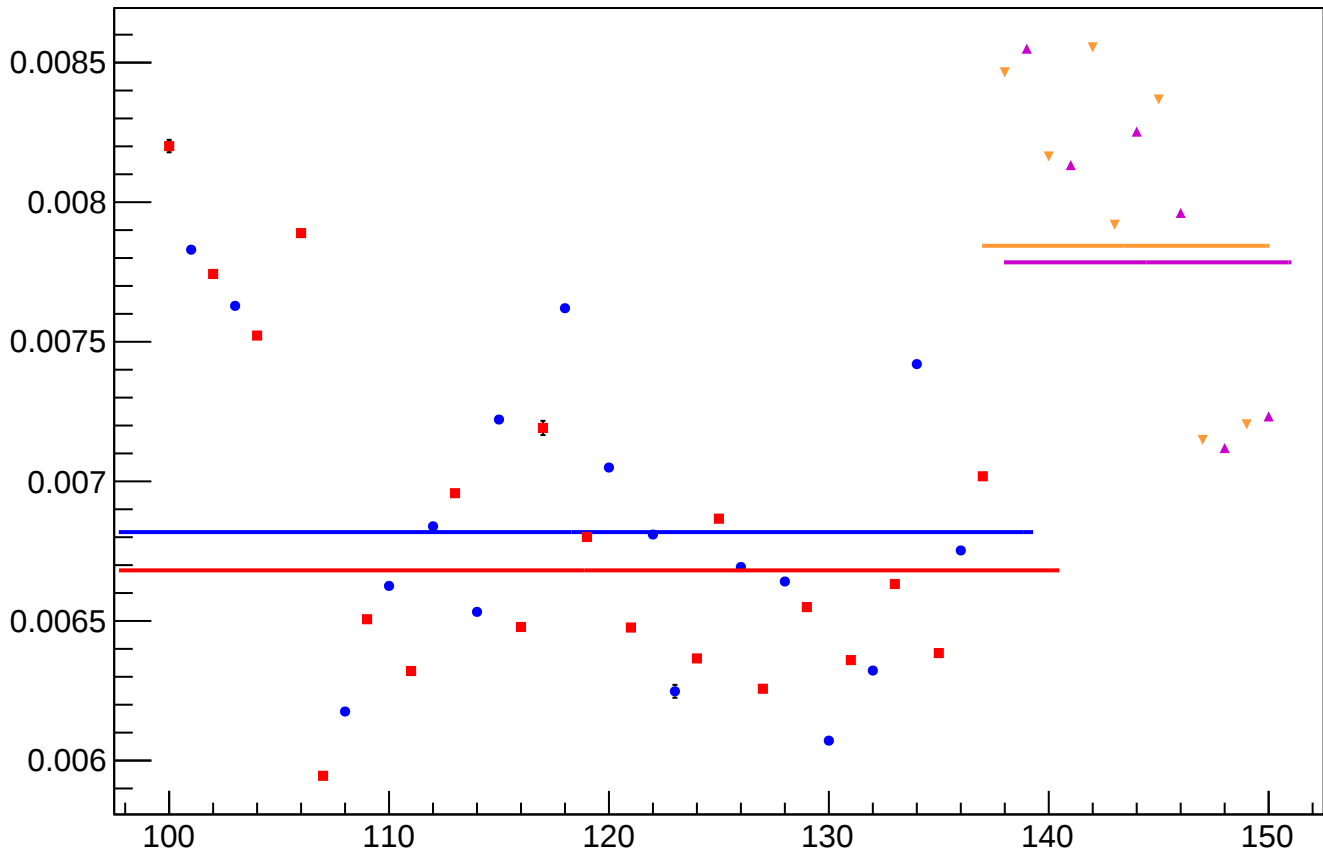
Left In: 2.408+/-0.000 χ^2/NDF : 31315145679.9/5

2.103+/-0.000 χ^2/NDF : 49502519837.4/23

2.099+/-0.000 χ^2/NDF : 113680242128.1/25

2.096+/-0.000 χ^2/NDF : 64173274324.1/25

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 : 46949.3/6

Right Out: 0.007+/-0.000 χ^2/NDF : 76121.2/19

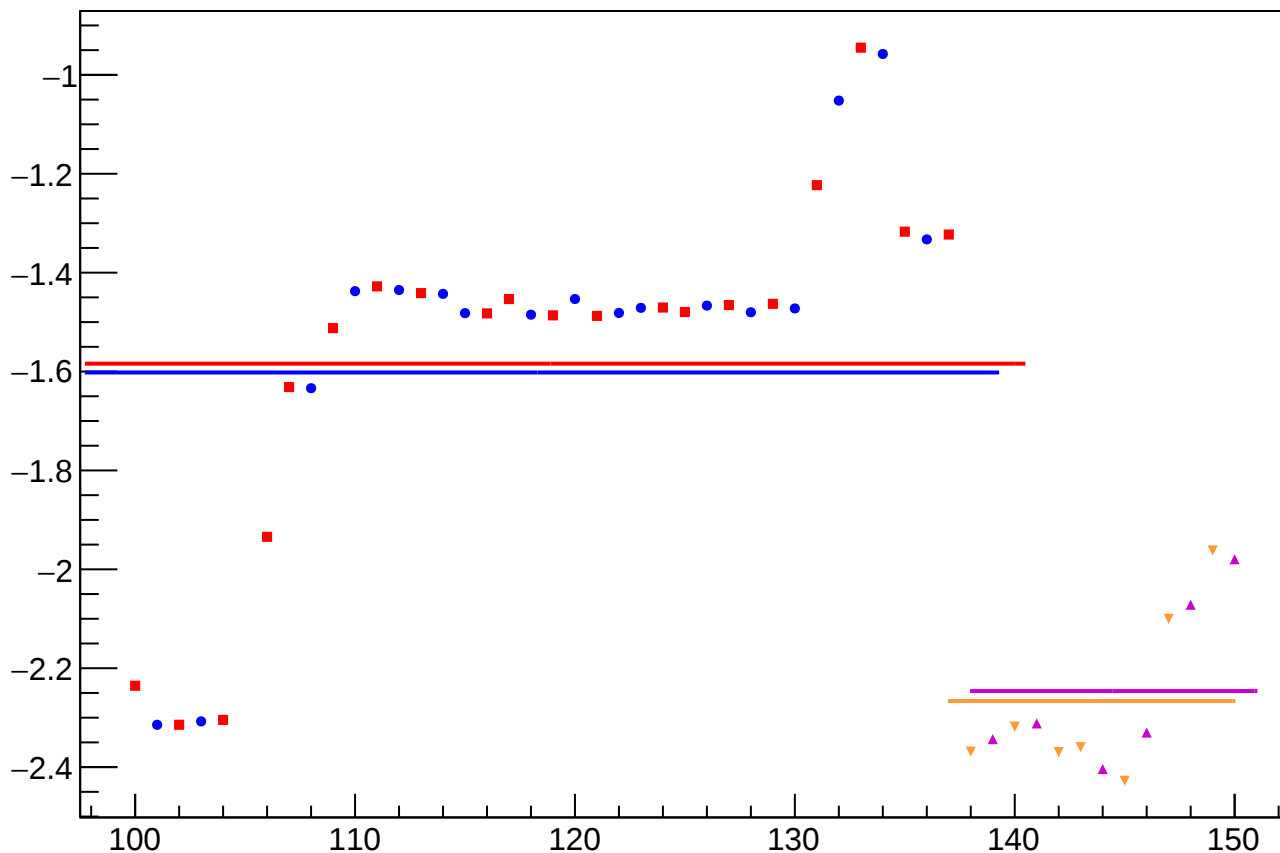
Left In: 0.008+/-0.000 χ^2/NDF : 42558.4/5

0.007+/-0.000 χ^2/NDF : 225376.7/23

0.007+/-0.000 χ^2/NDF : 472195.7/49

0.007+/-0.000 χ^2/NDF : 242805.1/25

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -2.266+/-0.000 χ^2/NDF : 14212056479.8/6

-1.852+/-0.000 χ^2/NDF : 303541099154.2/23

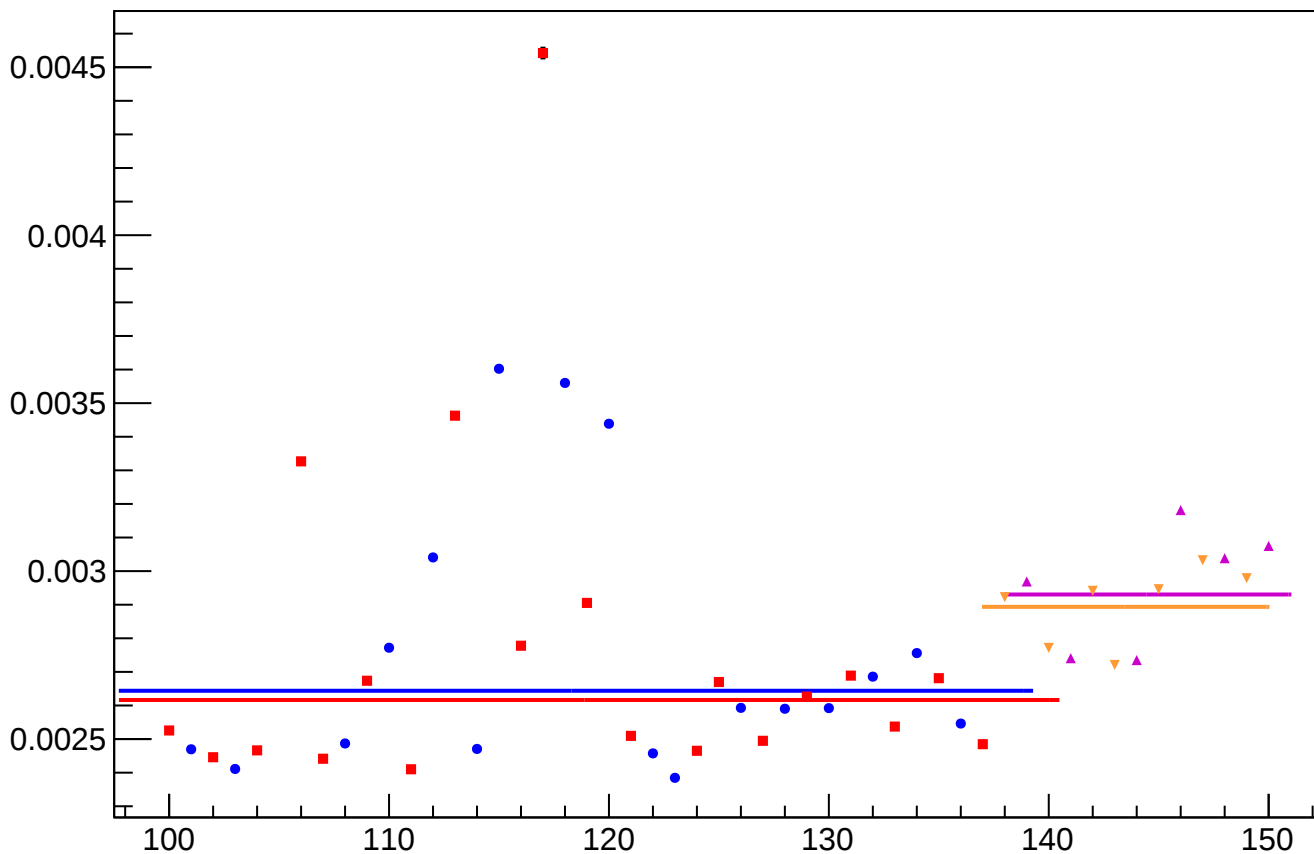
Right Out: -1.584+/-0.000 χ^2/NDF : 143612120137.8/19

-1.833+/-0.000 χ^2/NDF : 610541523808.7

-1.814+/-0.000 χ^2/NDF : 305985014216.3/25

Left In: -2.246+/-0.000 χ^2/NDF : 12796369626.8/5

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 : 12810.3/6

Right Out: 0.003+/-0.000 χ^2/NDF : 119852.1/19

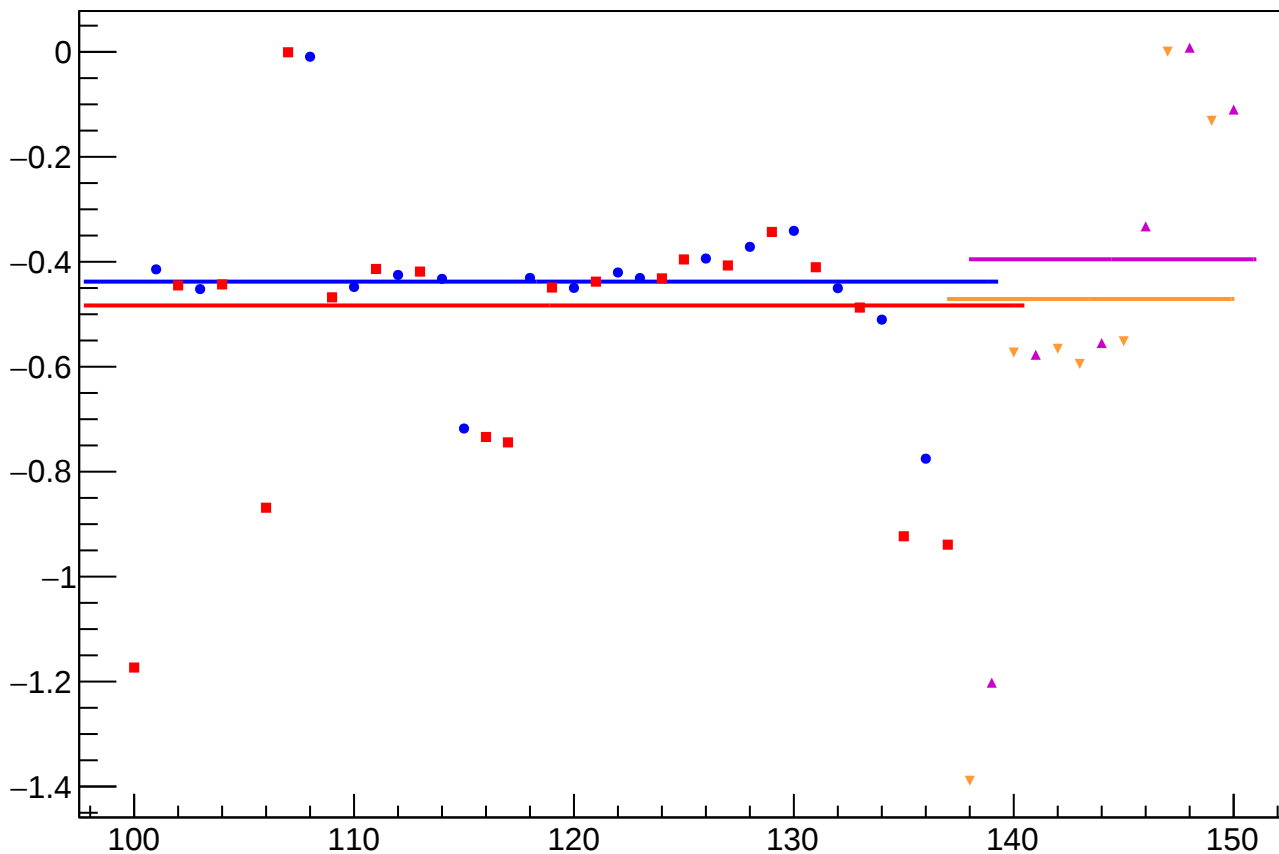
Left In: 0.003+/-0.000 χ^2/NDF : 30398.7/5

0.003+/-0.000 χ^2/NDF : 206346.7/23

0.003+/-0.000 χ^2/NDF : 424091.1/49

0.003+/-0.000 χ^2/NDF : 217531.5/25

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.438+/-0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.471+/-0.000 χ^2/NDF : 4695904043.5/6

Right Out: -0.483+/-0.000 χ^2/NDF : 2714164016.2/19

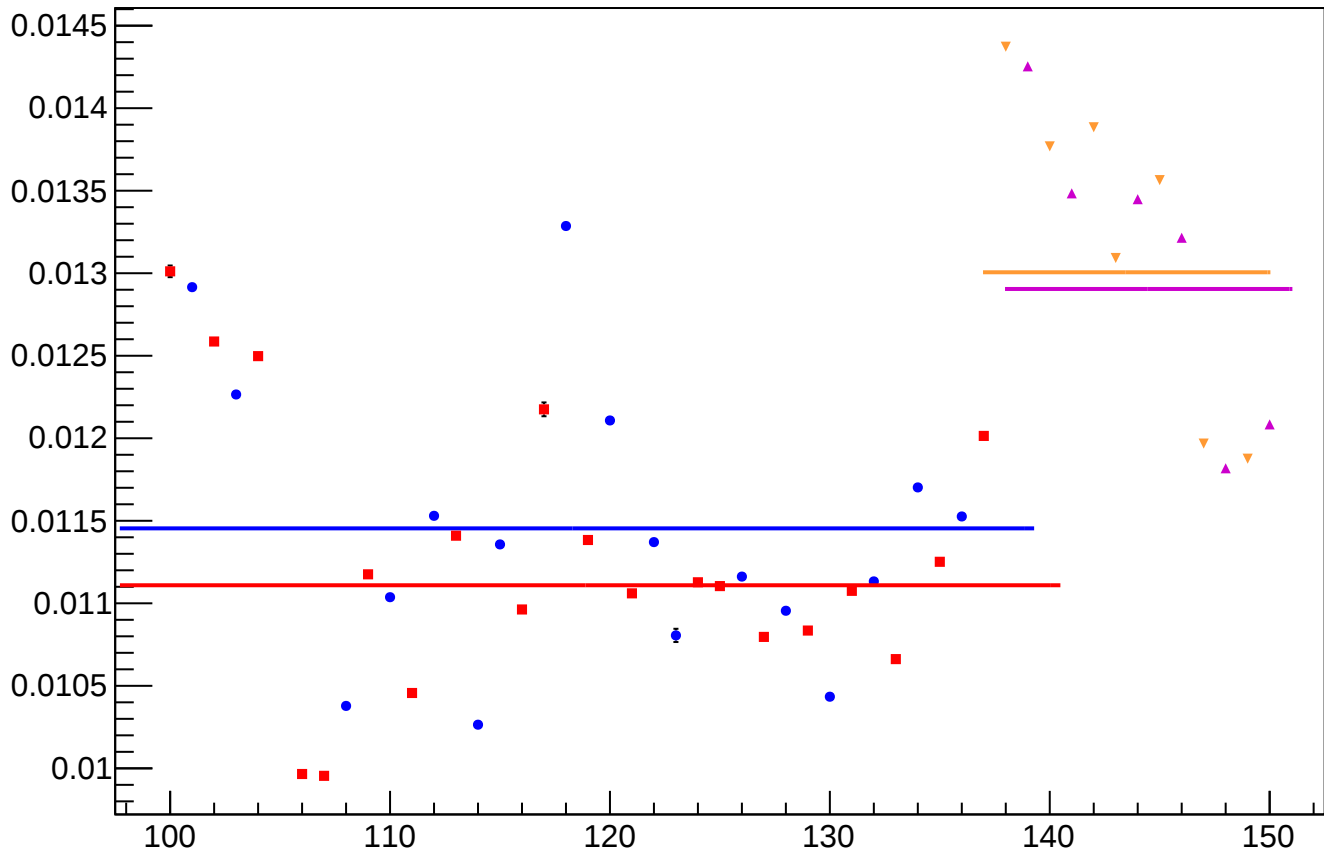
Left In: -0.395+/-0.000 χ^2/NDF : 3725574863.0/5

-0.450+/-0.000 χ^2/NDF : 6177683848.6/23

-0.452+/-0.000 χ^2/NDF : 12761637774.6/4

-0.454+/-0.000 χ^2/NDF : 6583026323.7/25

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 : 47715.3/6

Right Out: 0.011+/-0.000 χ^2/NDF : 56696.9/19

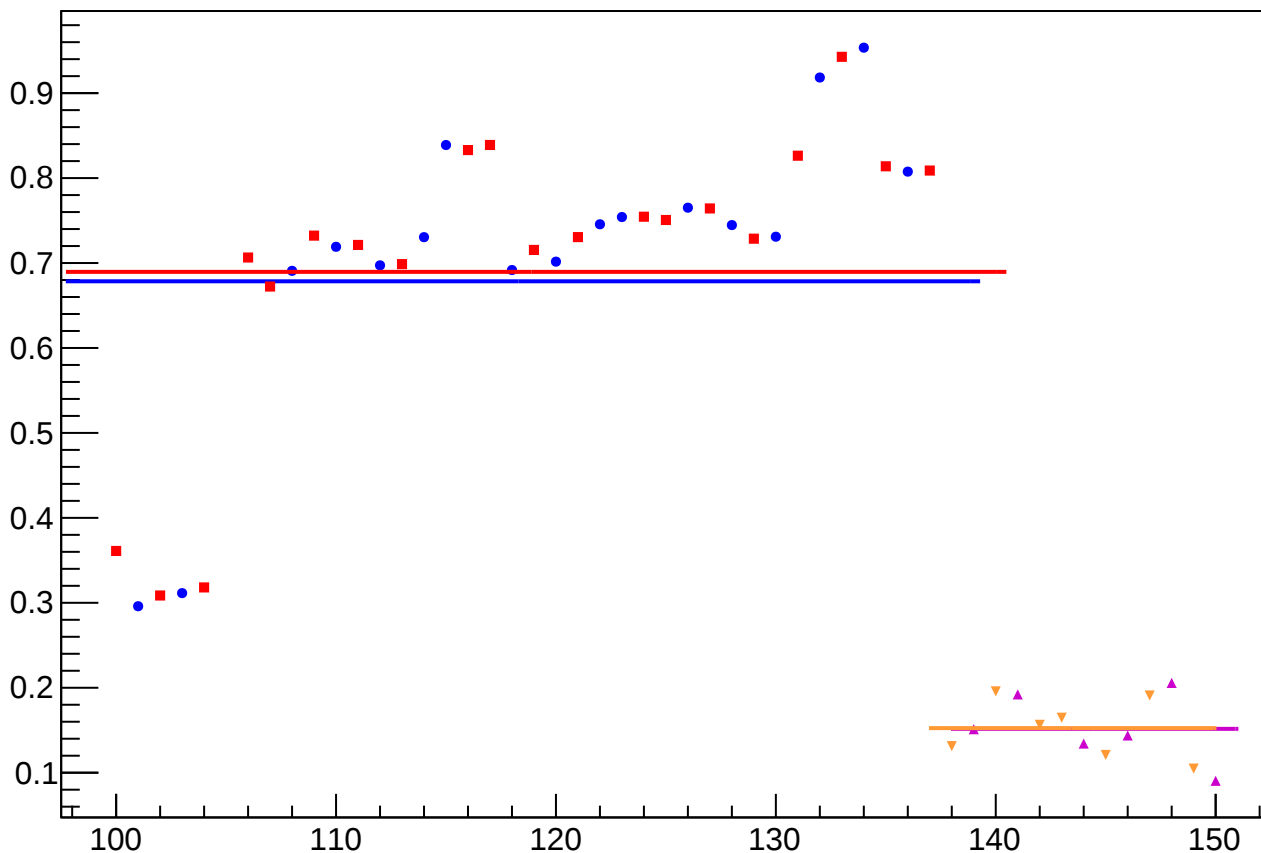
Left In: 0.013+/-0.000 χ^2/NDF : 38752.6/5

0.012+/-0.000 χ^2/NDF : 197361.1/23

0.012+/-0.000 χ^2/NDF : 419935.9/49

0.012+/-0.000 χ^2/NDF : 214754.3/25

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38506442638.3/16

Left Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 1197456475.6/6

Right Out: 0.690 $\pm$ 0.000 χ^2 /NDF: 35439496983.3/19

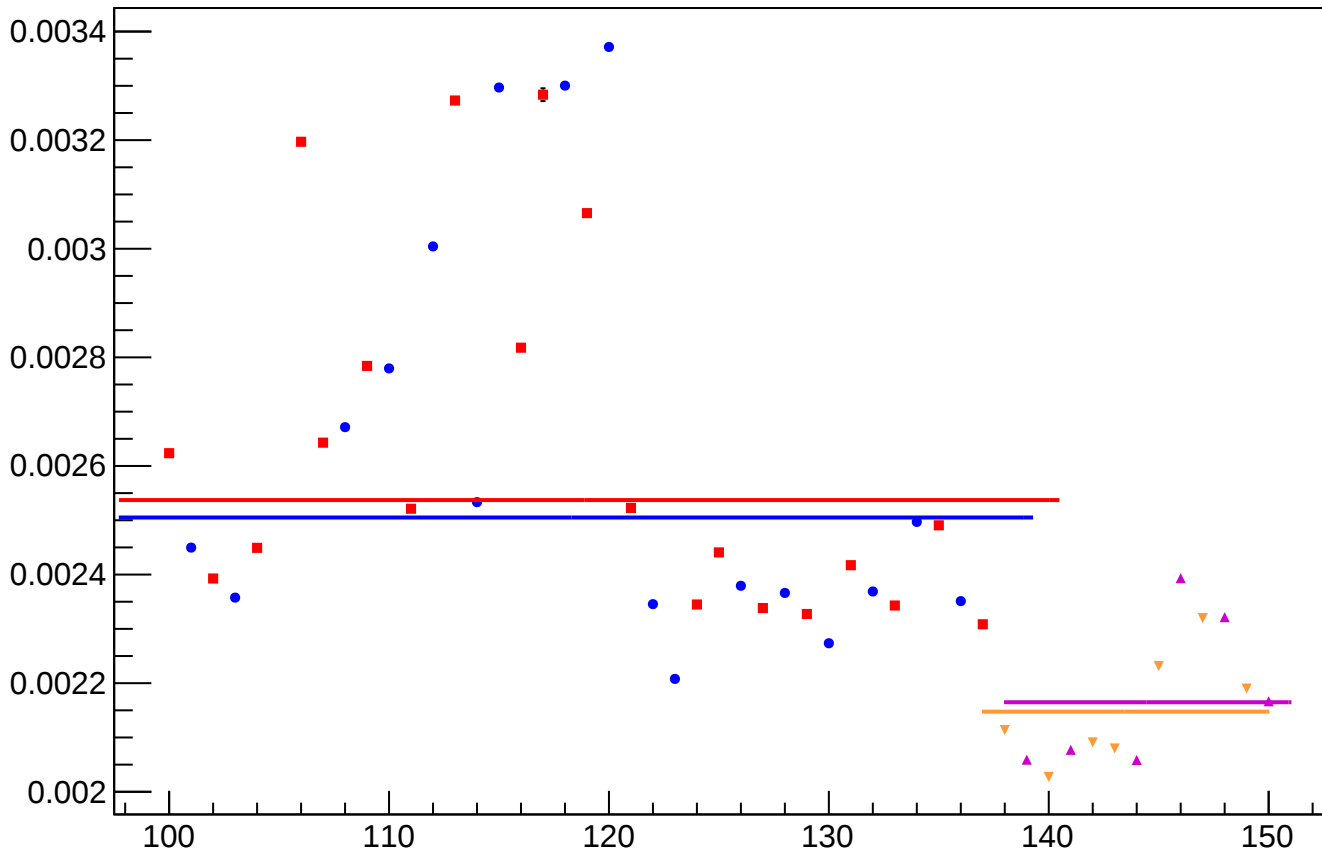
Left In: 0.152 $\pm$ 0.000 χ^2 /NDF: 1503189536.0/5

0.409 $\pm$ 0.000 χ^2 /NDF: 183599048423.0/23

0.416 $\pm$ 0.000 χ^2 /NDF: 370566486987.1/23

0.424 $\pm$ 0.000 χ^2 /NDF: 186748505578.3/25

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 : 19237.8/6

Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 135649.7/19

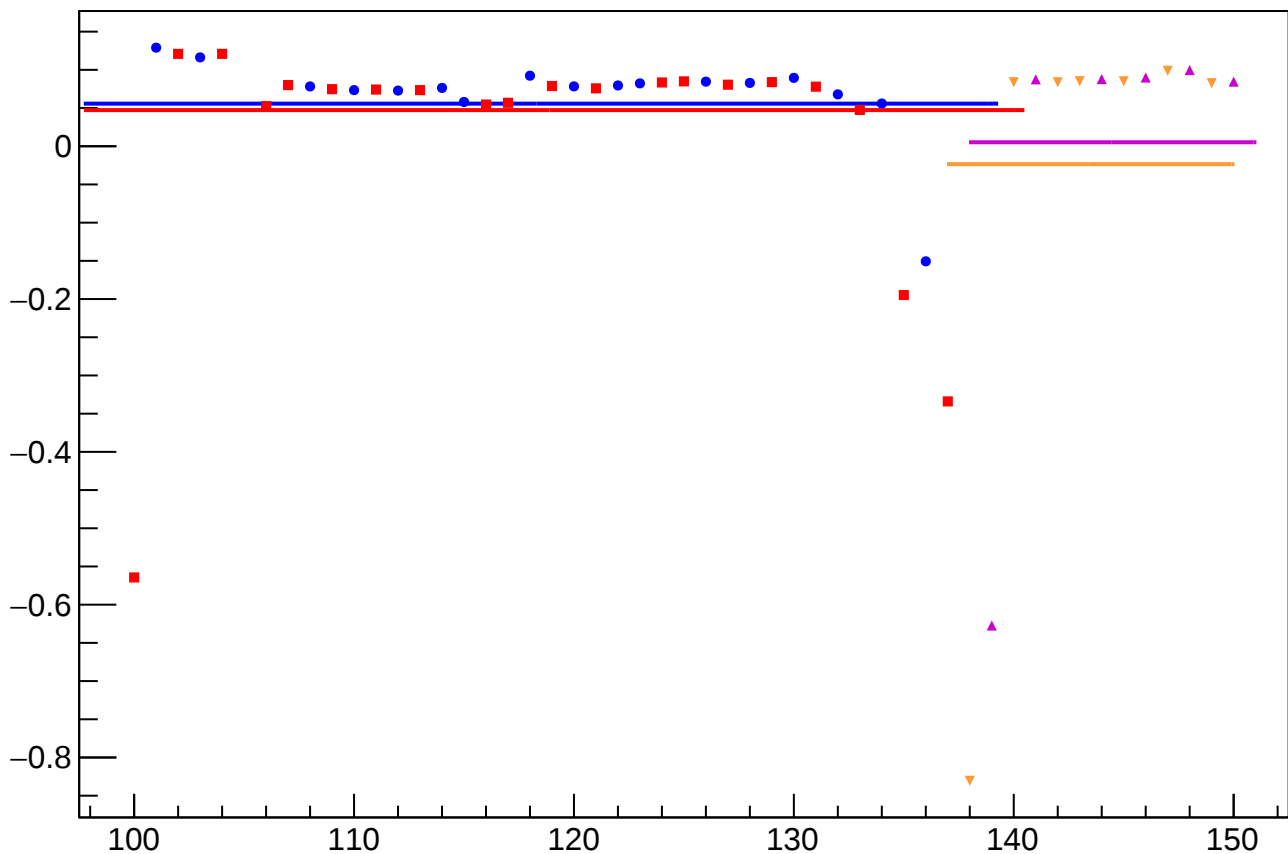
Left In: 0.002 $\pm$ 0.000 χ^2/NDF : 32849.5/5

0.002 $\pm$ 0.000 χ^2/NDF : 327716.7/23

0.002 $\pm$ 0.000 χ^2/NDF : 641711.1/49

0.002 $\pm$ 0.000 χ^2/NDF : 311981.0/25

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.023+/-0.000 χ^2/NDF : 2997410199.0/6

Right Out: 0.047+/-0.000 χ^2/NDF : 819626031.7/19

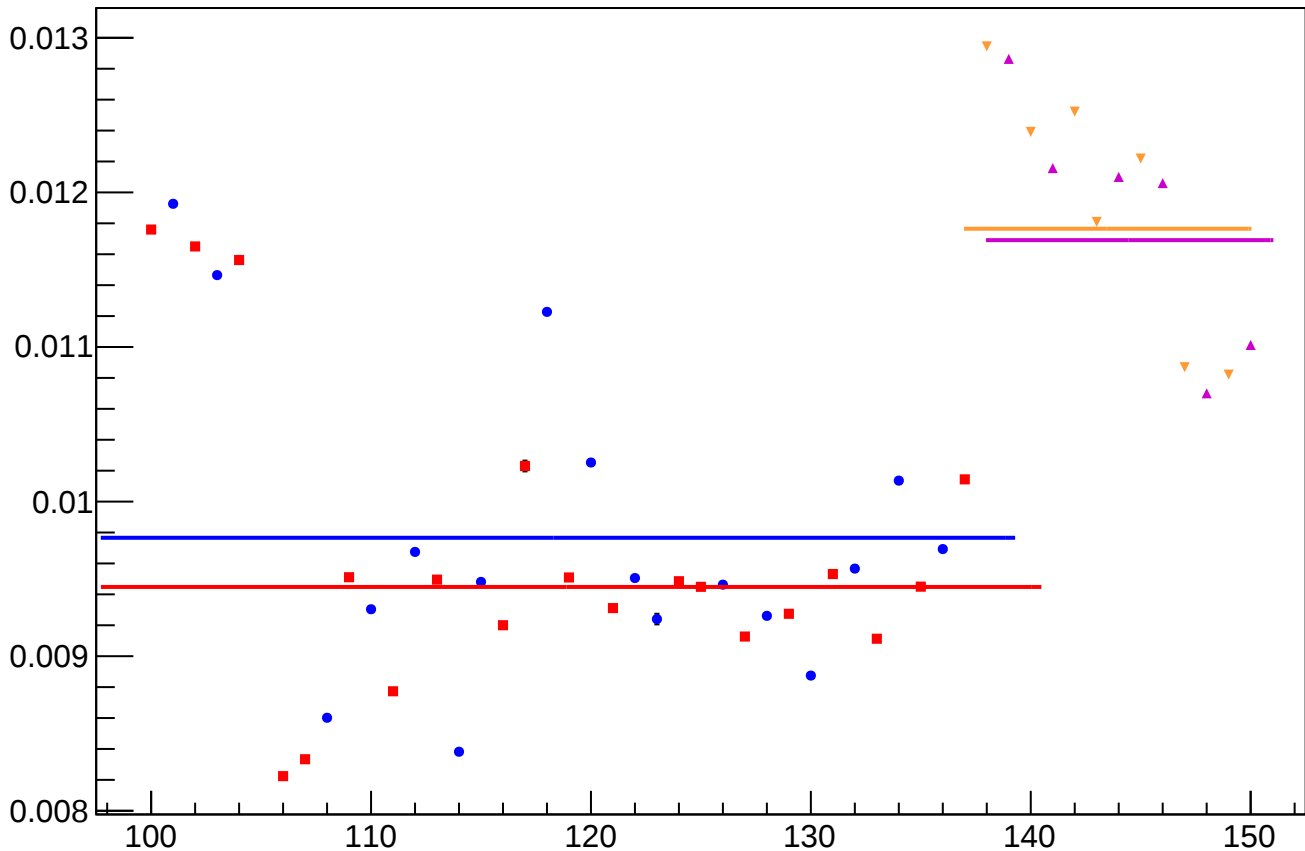
Left In: 0.005+/-0.000 χ^2/NDF : 1799187696.0/5

0.029+/-0.000 χ^2/NDF : 3561081676.4/23

0.032+/-0.000 χ^2/NDF : 6222799358.1/49

0.035+/-0.000 χ^2/NDF : 2660284724.2/25

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: 41958.2/6

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 111197.0/19

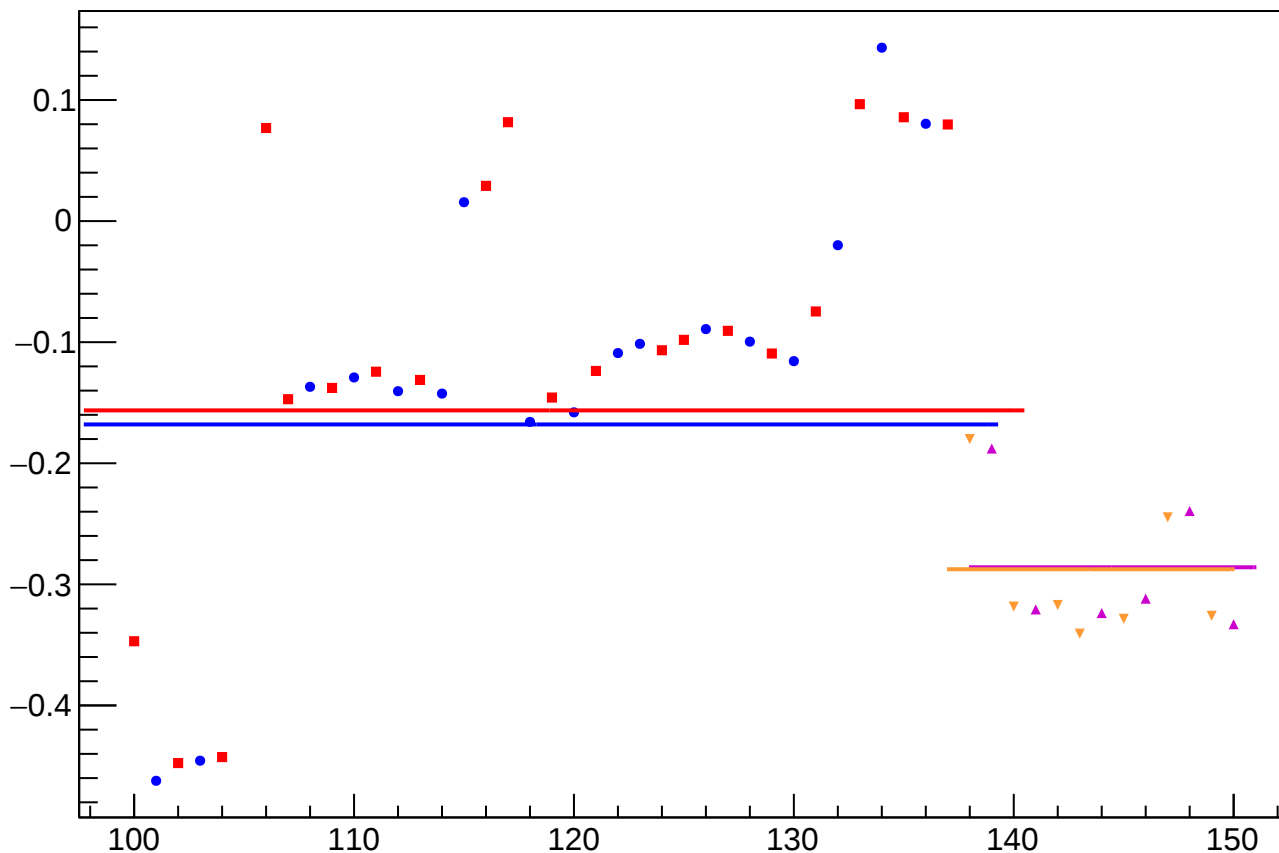
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 35924.6/5

0.010 $\pm$ 0.000 χ^2 /NDF: 337783.7/23

0.010 $\pm$ 0.000 χ^2 /NDF: 730522.2/49

0.010 $\pm$ 0.000 χ^2 /NDF: 382745.9/25

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.288+/-0.000 χ^2/NDF : 1771705039.2/6

Right Out: -0.156+/-0.000 χ^2/NDF : 11061140252.3/19

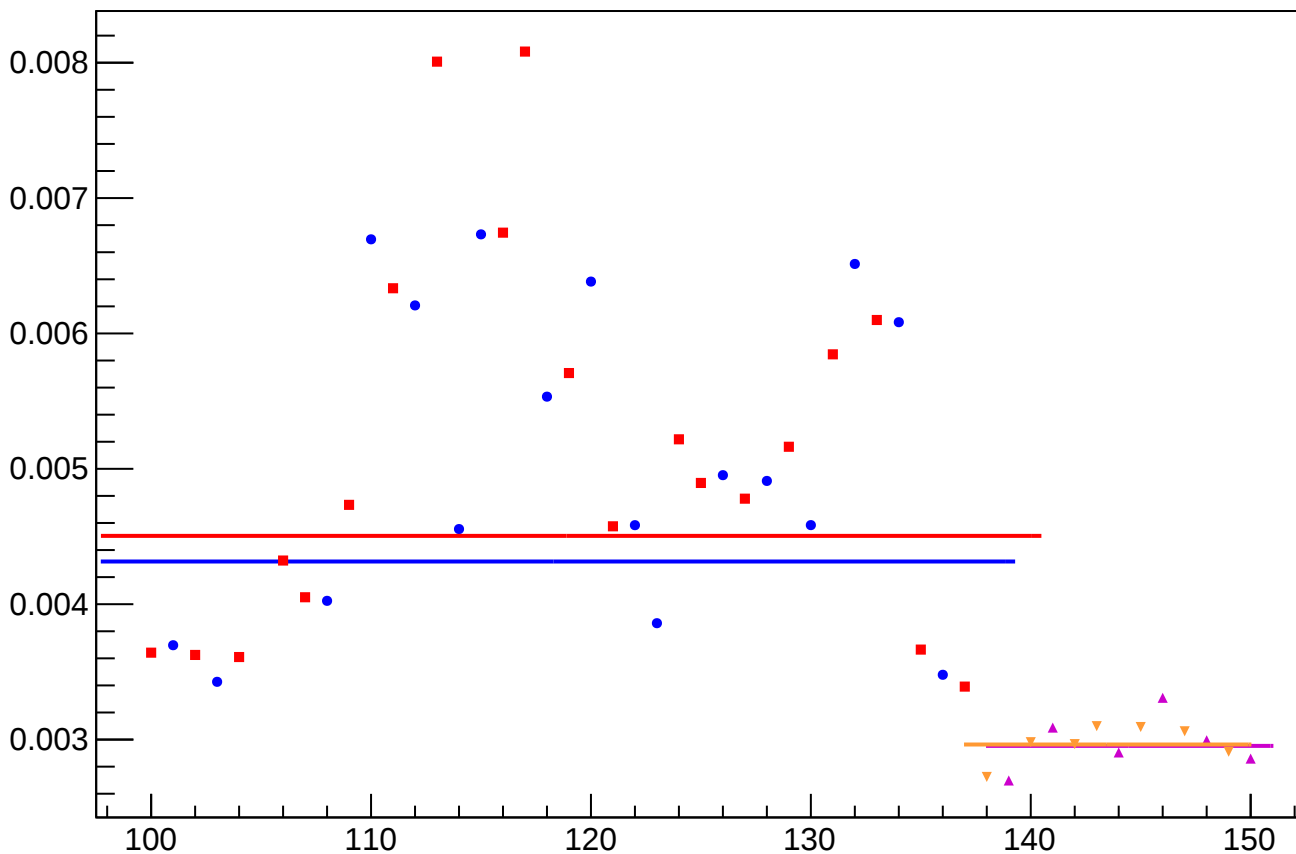
Left In: -0.286+/-0.000 χ^2/NDF : 1557697899.8/5

-0.243+/-0.000 χ^2/NDF : 16896427475.0/23

-0.240+/-0.000 χ^2/NDF : 32767712792.7/4

-0.238+/-0.000 χ^2/NDF : 15859632439.5/25

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 619744.7/16

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF : 17527.7/6

Right Out: 0.005 $\pm$ 0.000 χ^2/NDF : 665152.6/19

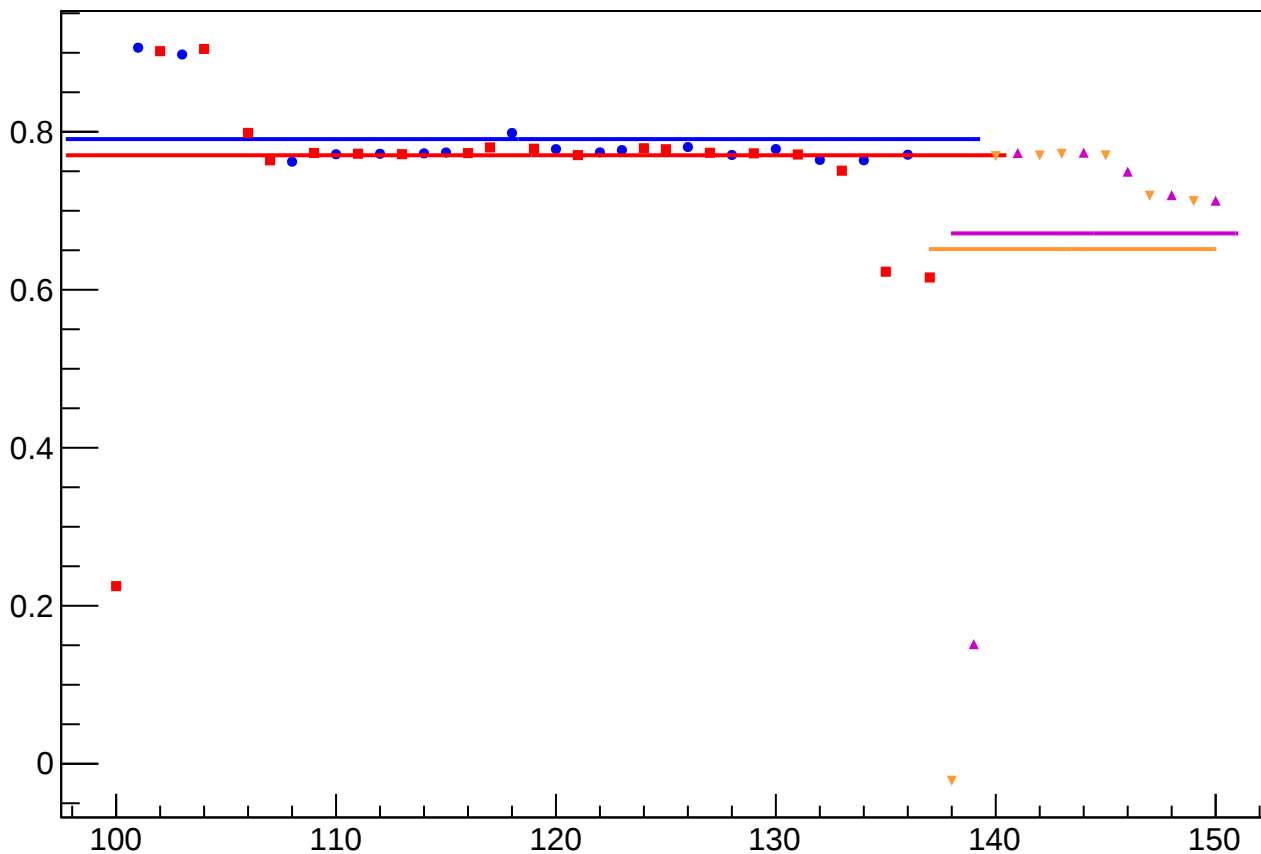
Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 33672.7/5

0.003 $\pm$ 0.000 χ^2/NDF : 1350923.0/23

0.004 $\pm$ 0.000 χ^2/NDF : 2982207.0/49

0.004 $\pm$ 0.000 χ^2/NDF : 1627917.0/25

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.791+/-0.000 χ^2/NDF : 106705767.1/16

Left Out: 0.651+/-0.000 χ^2/NDF : 2304025382.9/6

Right Out: 0.770+/-0.000 χ^2/NDF : 375473971.0/19

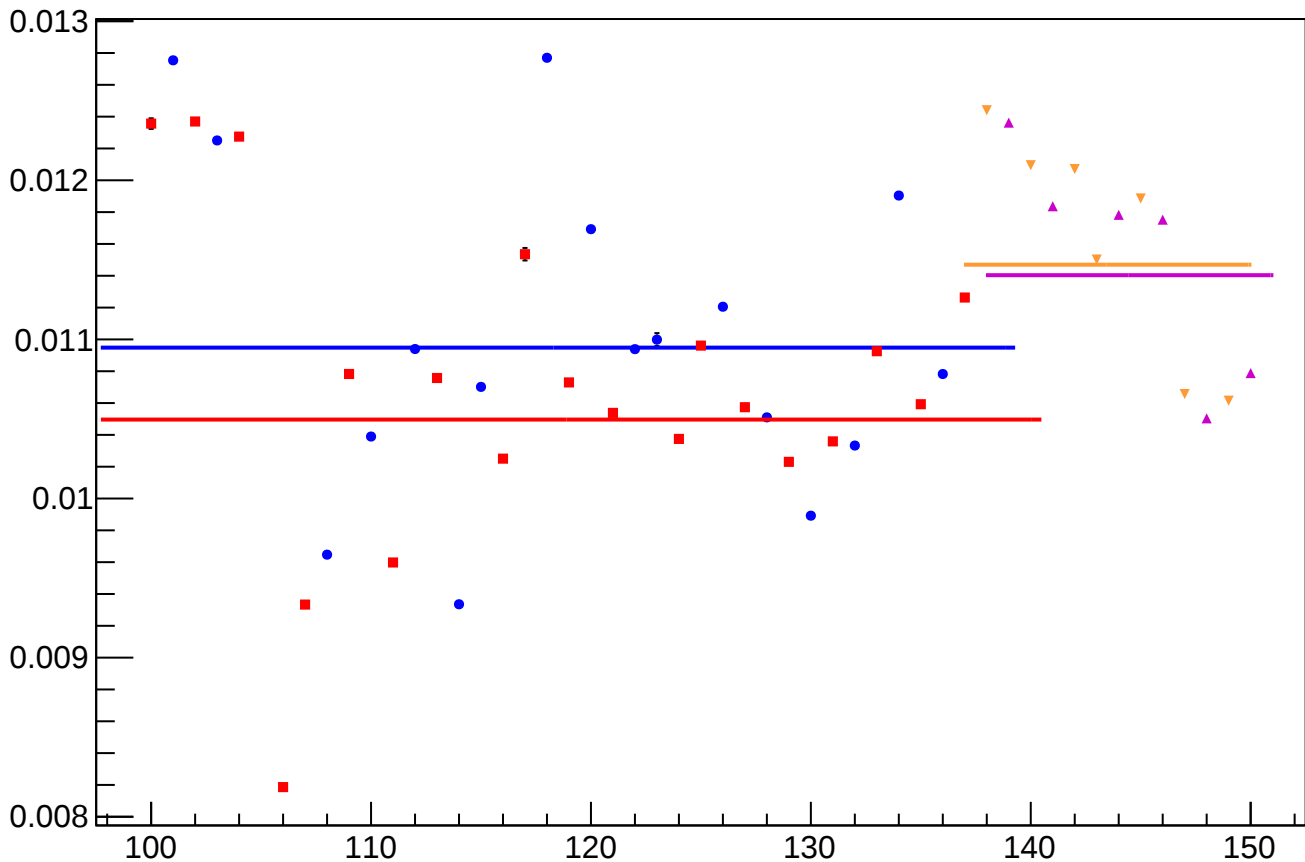
Left In: 0.671+/-0.000 χ^2/NDF : 1348842945.2/5

0.735+/-0.000 χ^2/NDF : 2826493916.8/23

0.735+/-0.000 χ^2/NDF : 4772945580.7/49

0.735+/-0.000 χ^2/NDF : 1946437159.0/25

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 : 34975.2/6

Right Out: 0.010+/-0.000 χ^2/NDF : 120120.6/19

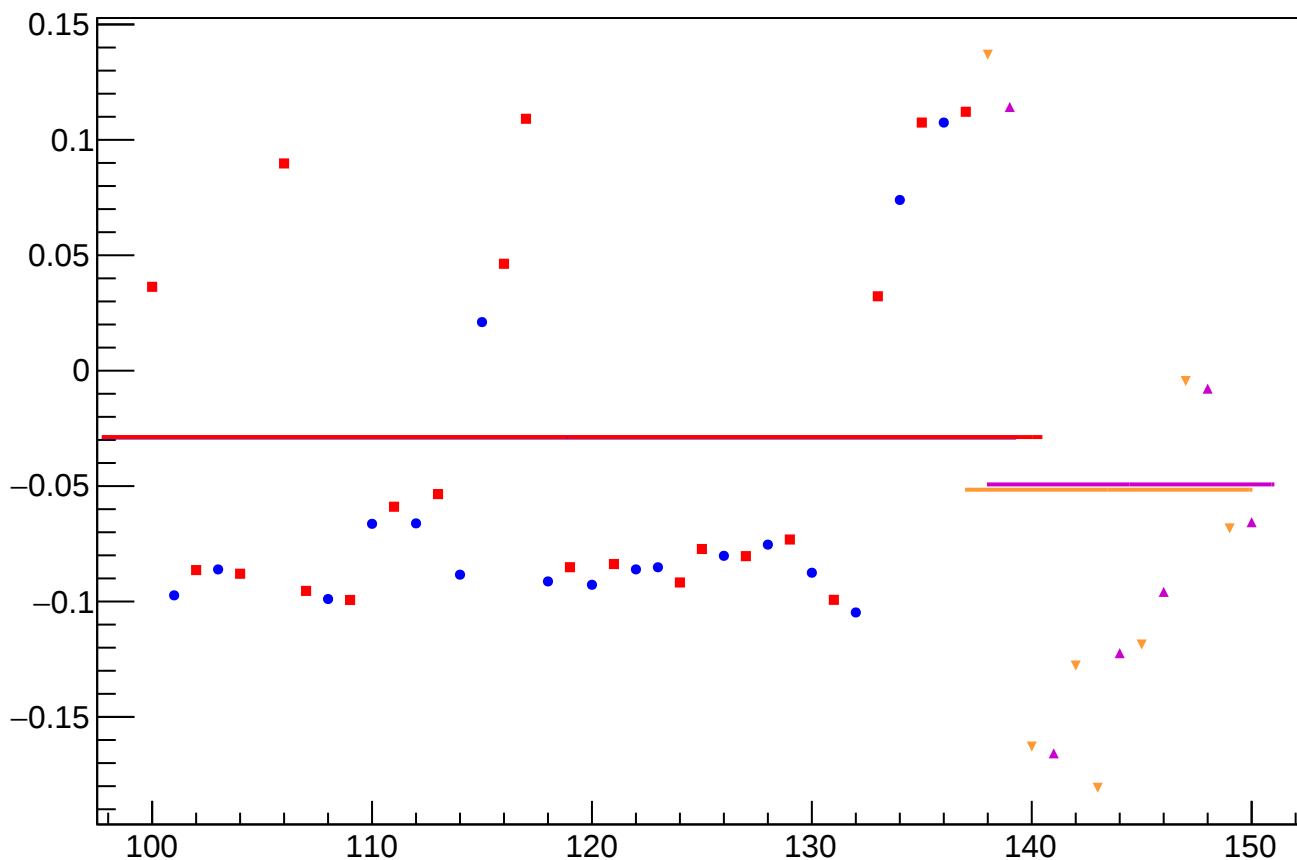
Left In: 0.011+/-0.000 χ^2/NDF : 29891.9/5

0.011+/-0.000 χ^2/NDF : 145180.8/23

0.011+/-0.000 χ^2/NDF : 342997.3/49

0.011+/-0.000 χ^2/NDF : 187419.4/25

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.052+/-0.000 χ^2/NDF : 4742554655.8/6

Right Out: -0.029+/-0.000 χ^2/NDF : 2122918772.1/19

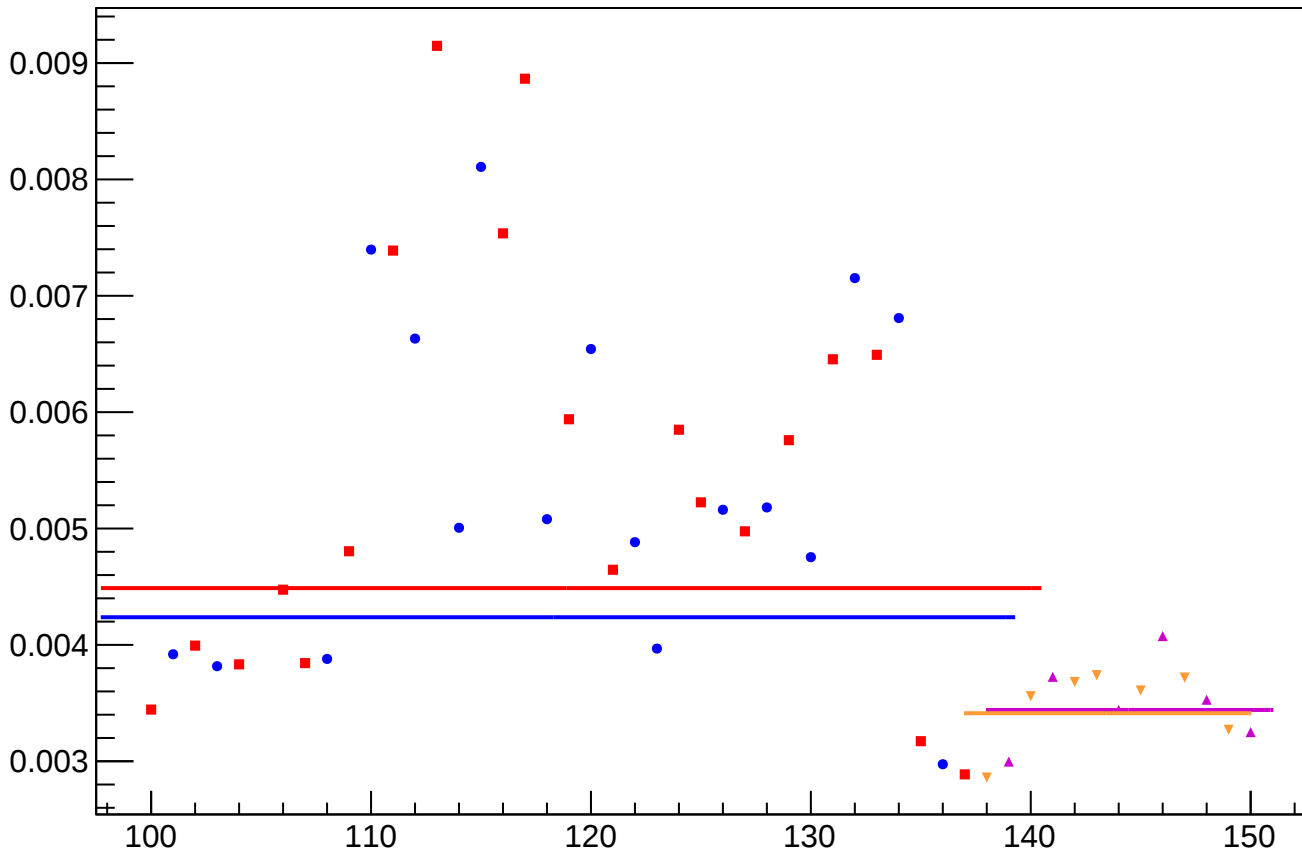
Left In: -0.049+/-0.000 χ^2/NDF : 3194803225.3/5

-0.041+/-0.000 χ^2/NDF : 7274840584.8/23

-0.041+/-0.000 χ^2/NDF : 12661452571.4/4

-0.040+/-0.000 χ^2/NDF : 5386057329.4/25

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 881584.1/16

Left Out: 0.003+/-0.000 χ^2/NDF : 81421.4/6

Right Out: 0.004+/-0.000 χ^2/NDF : 1003473.4/19

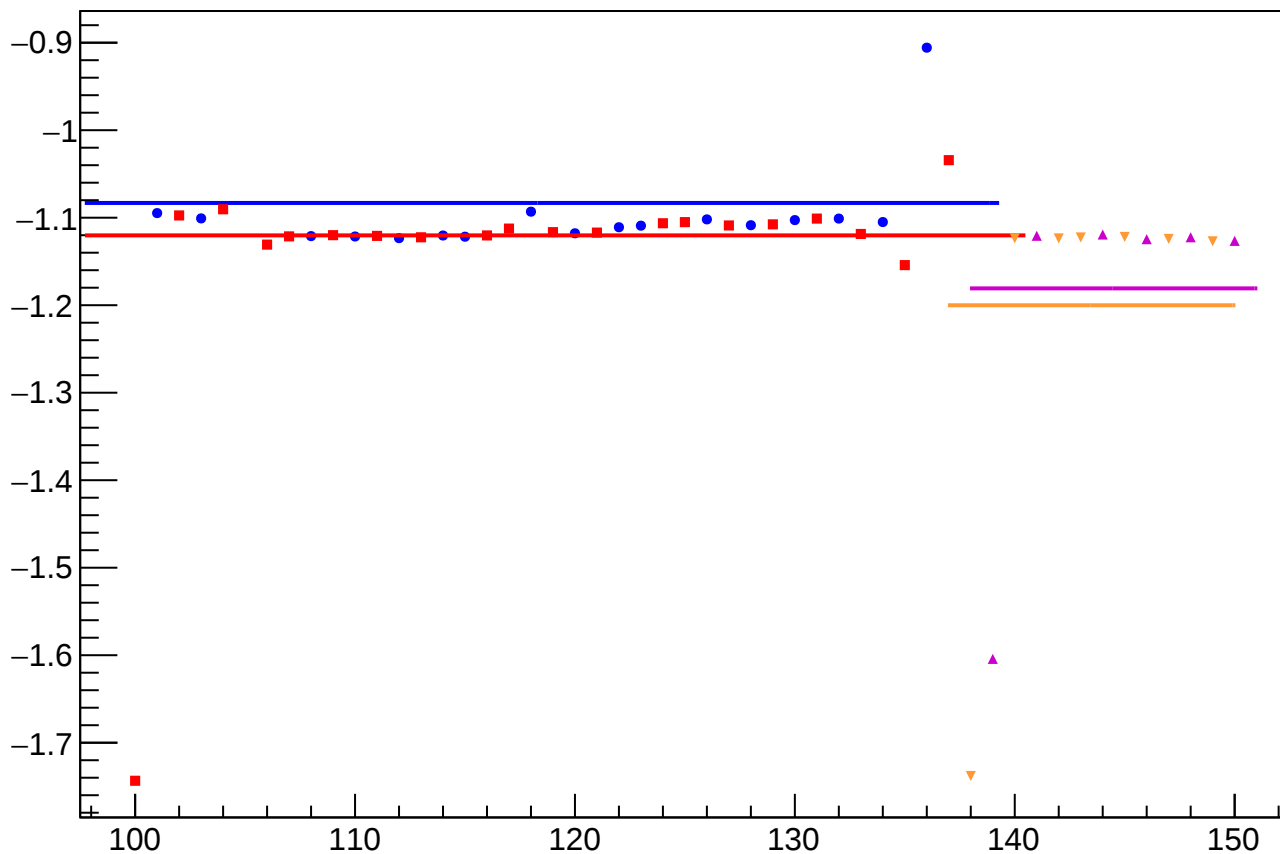
Left In: 0.003+/-0.000 χ^2/NDF : 75839.8/5

0.004+/-0.000 χ^2/NDF : 1192580.5/23

0.004+/-0.000 χ^2/NDF : 2638284.4/49

0.004+/-0.000 χ^2/NDF : 1435416.0/25

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -1.083+/-0.000 χ^2/NDF : 202920901.6/16

Left Out: -1.200+/-0.000 χ^2/NDF : 1821003525.0/6

Right Out: -1.120+/-0.000 χ^2/NDF : 220586820.0/19

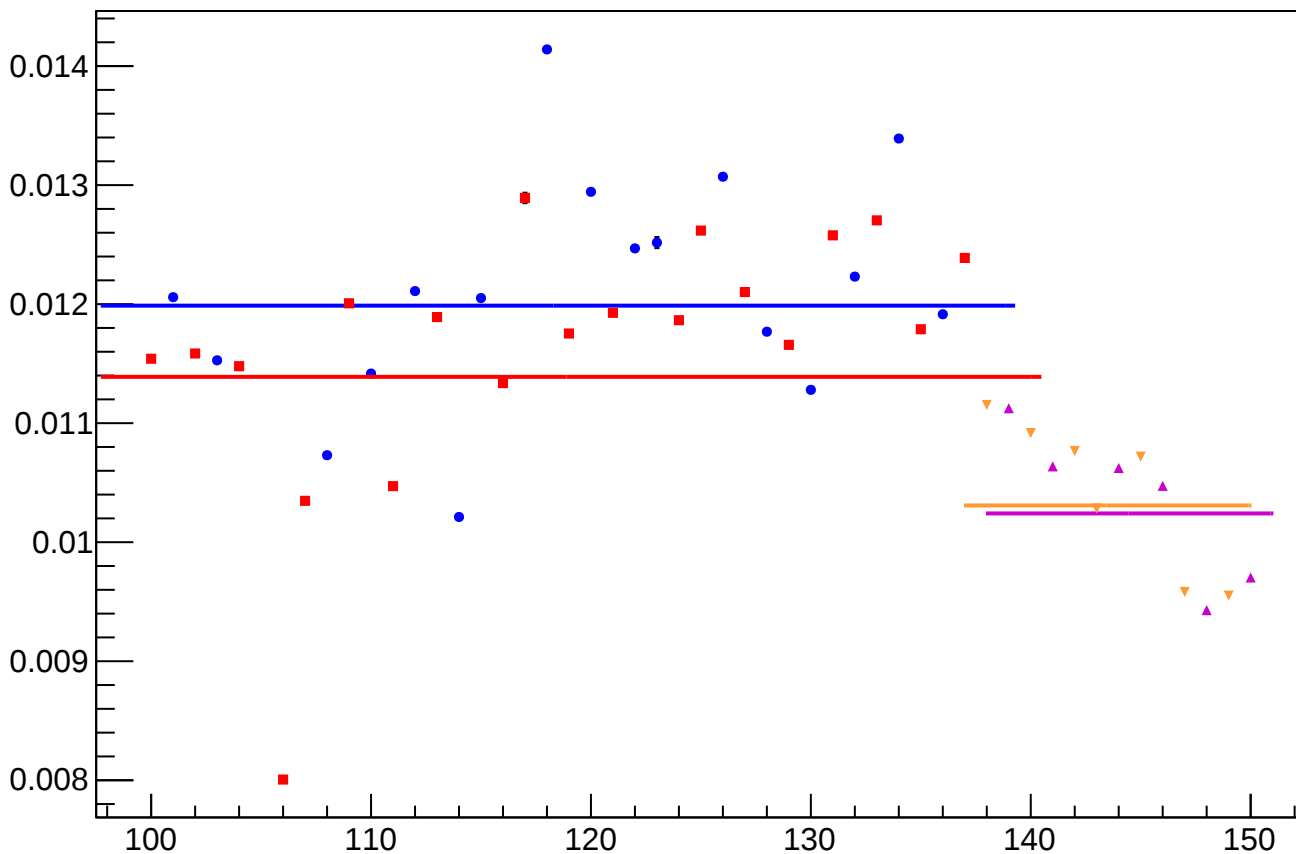
Left In: -1.181+/-0.000 χ^2/NDF : 1089854862.2/5

-1.141+/-0.000 χ^2/NDF : 2329240480.0/23

-1.145+/-0.000 χ^2/NDF : 3730275765.5/49

-1.148+/-0.000 χ^2/NDF : 1399160288.8/25

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 60402.0/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 34683.2/6

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 155700.3/19

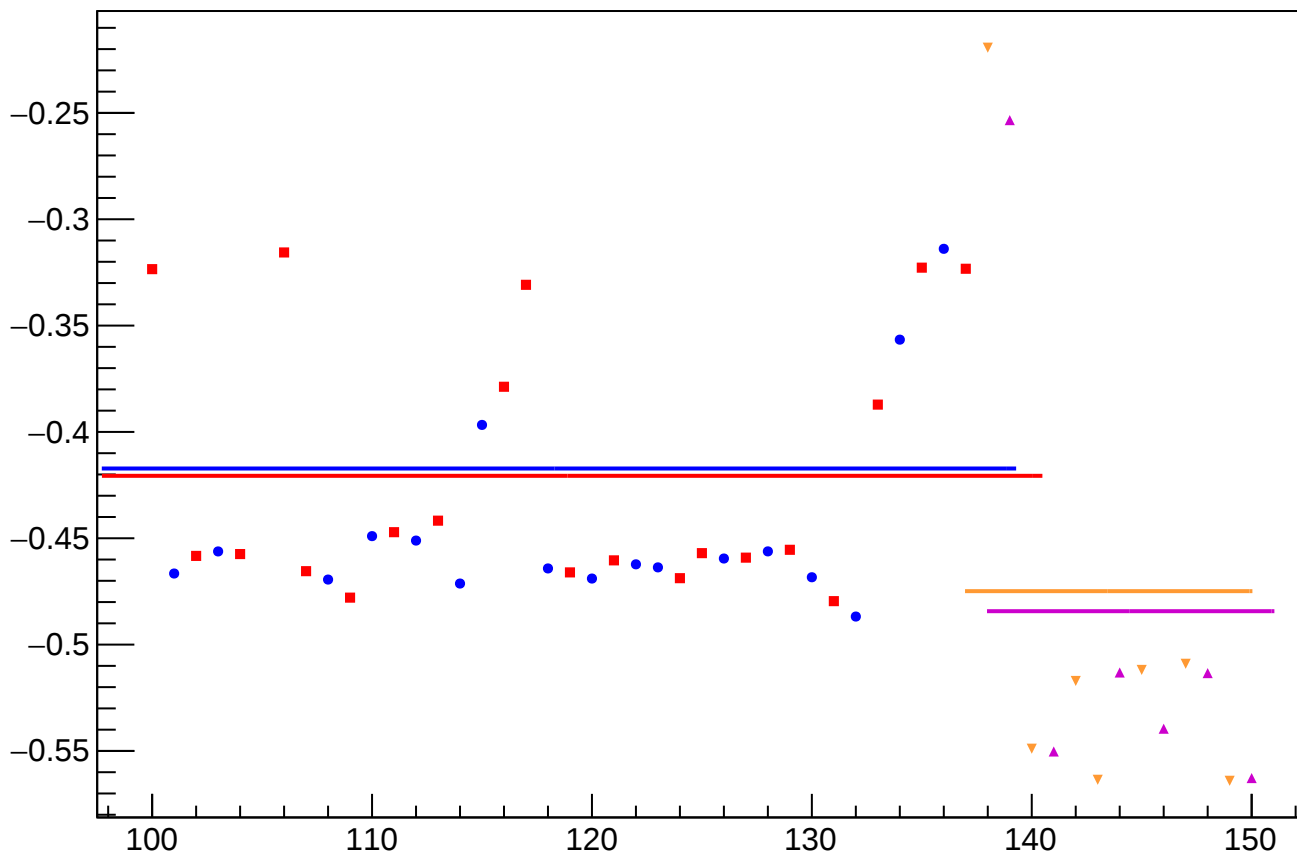
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 30211.0/5

0.011 $\pm$ 0.000 χ^2 /NDF: 220932.1/23

0.011 $\pm$ 0.000 χ^2 /NDF: 478003.0/49

0.011 $\pm$ 0.000 χ^2 /NDF: 249566.6/25

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.417 $\pm$ 0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.475 $\pm$ 0.000 χ^2/NDF : 5072090055.2/6

Right Out: -0.421 $\pm$ 0.000 χ^2/NDF : 1652792044.5/19

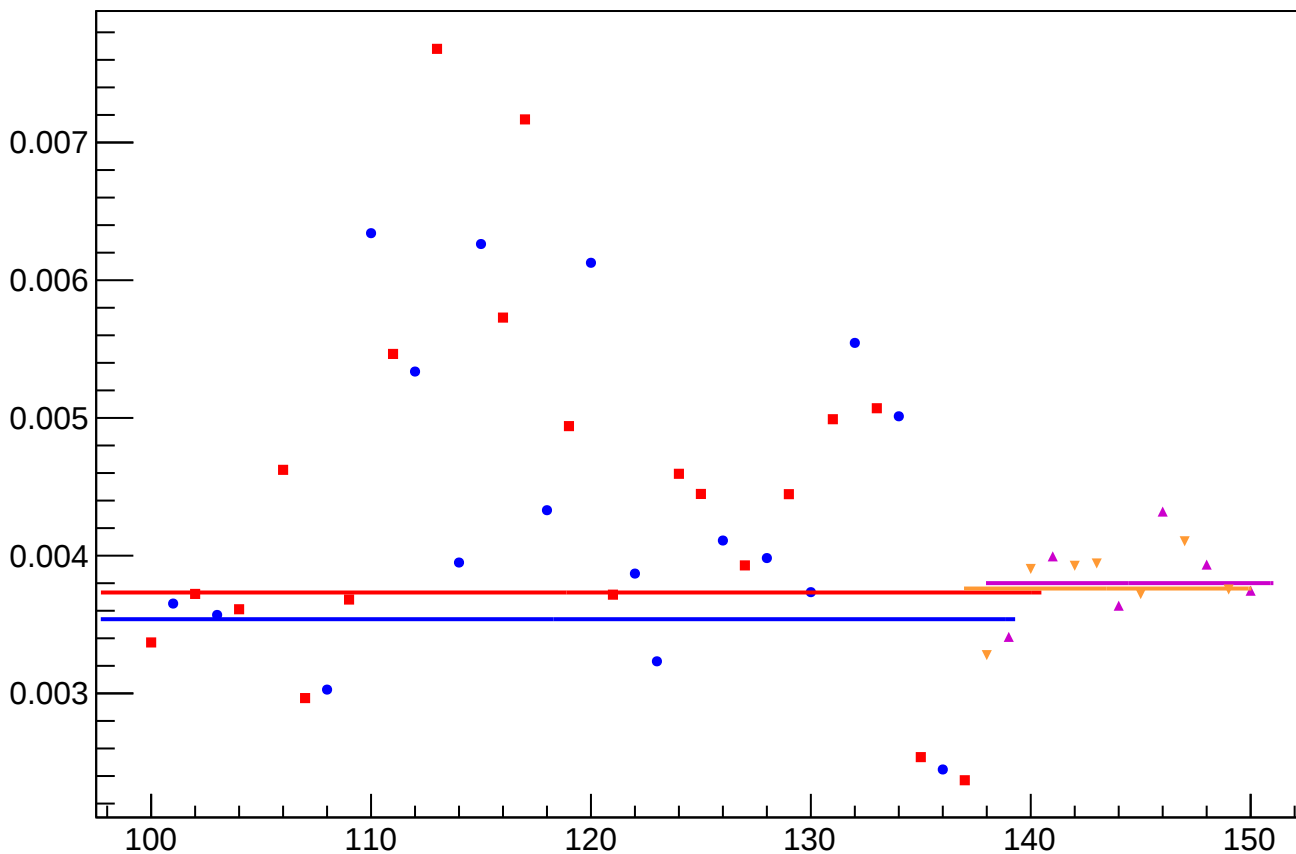
Left In: -0.484 $\pm$ 0.000 χ^2/NDF : 3646446433.2/5

-0.441 $\pm$ 0.000 χ^2/NDF : 7713516183.2/23

-0.444 $\pm$ 0.000 χ^2/NDF : 13734230216.9/4

-0.447 $\pm$ 0.000 χ^2/NDF : 6008546101.5/25

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 836154.0/16

Left Out: 0.004+/-0.000 χ^2/NDF : 44256.6/6

Right Out: 0.004+/-0.000 χ^2/NDF : 916963.6/19

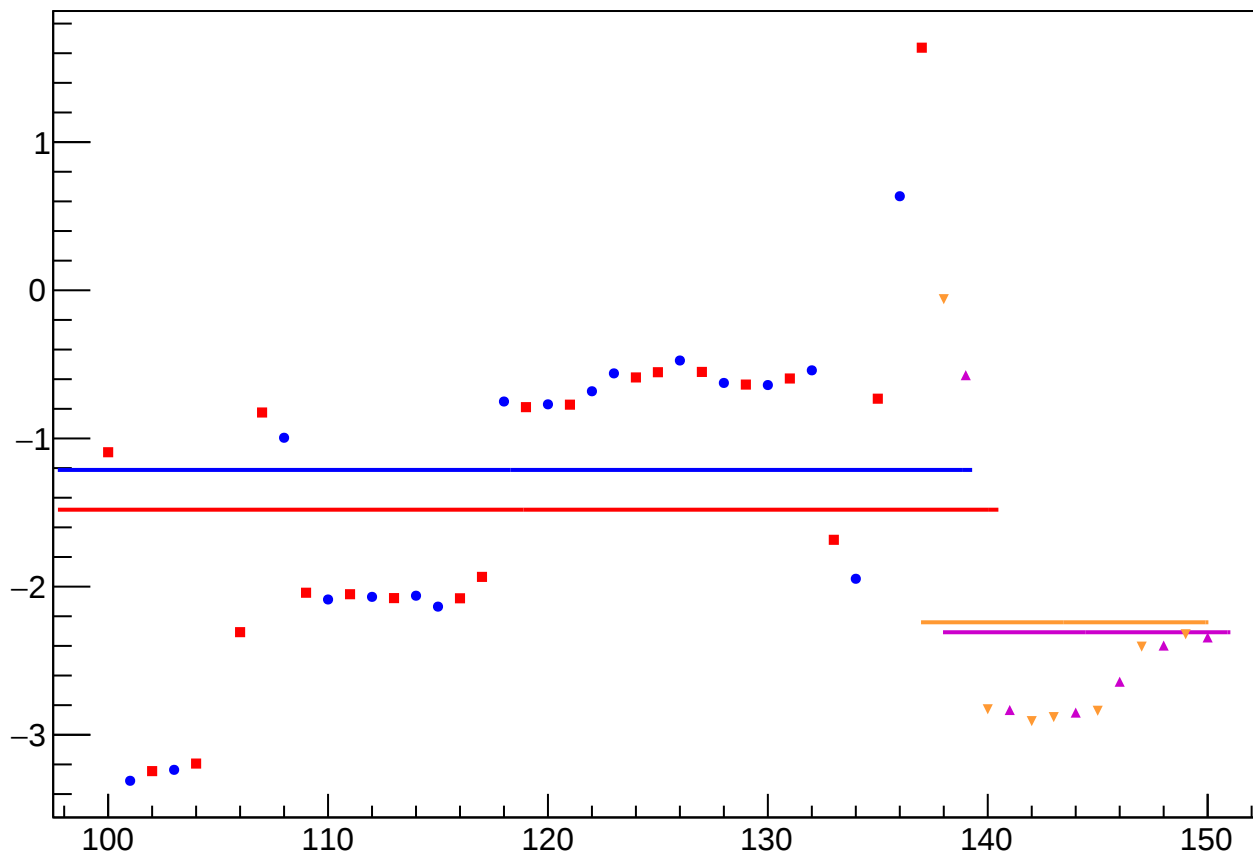
Left In: 0.004+/-0.000 χ^2/NDF : 44524.3/5

0.004+/-0.000 χ^2/NDF : 898371.7/23

0.004+/-0.000 χ^2/NDF : 1873721.7/49

0.004+/-0.000 χ^2/NDF : 963106.5/25

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.212+/-0.000 χ^2/NDF : 1992853443.9/16

Left Out: -2.241+/-0.000 χ^2/NDF : 849778816.9/6

Right Out: -1.481+/-0.000 χ^2/NDF : 1579722113.8/19

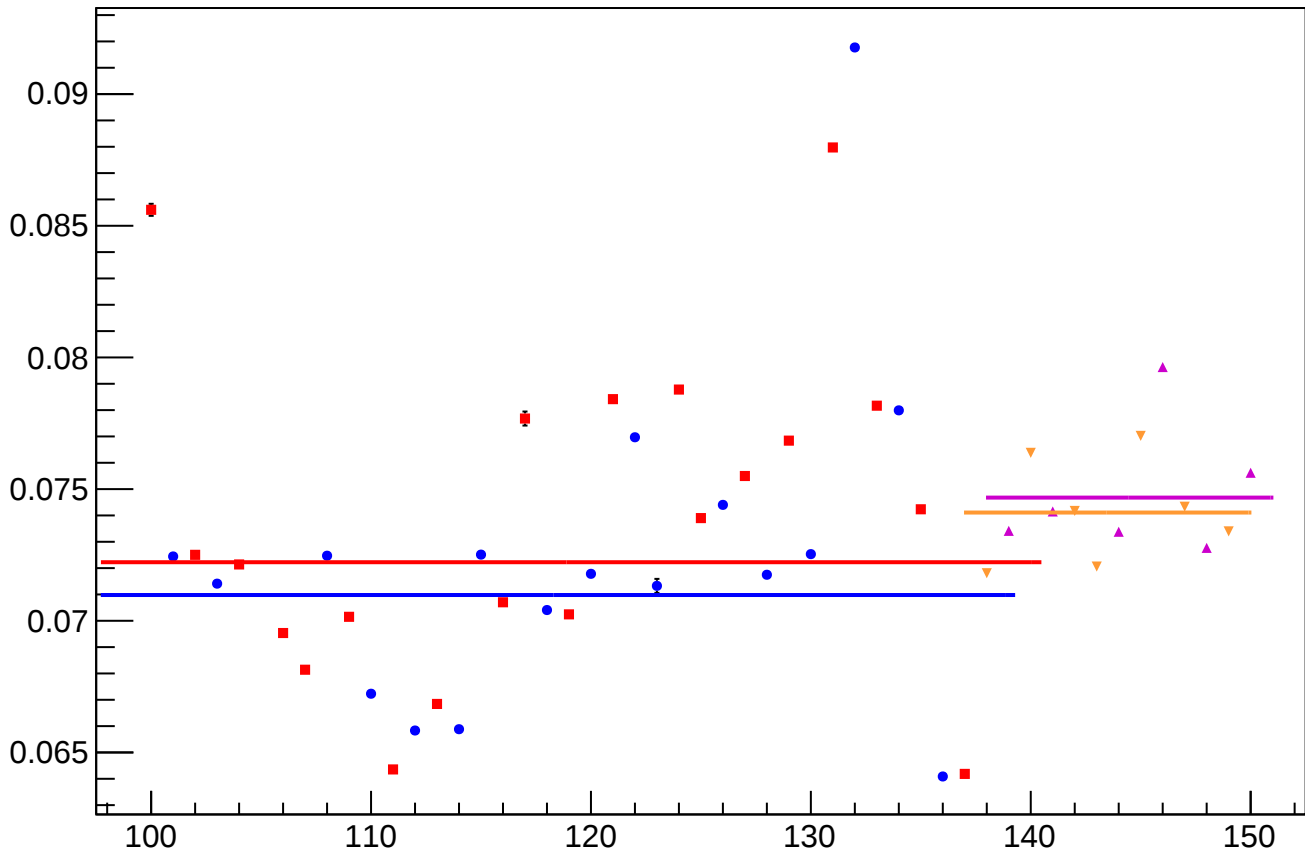
Left In: -2.308+/-0.000 χ^2/NDF : 478952268.2/5

-1.625+/-0.000 χ^2/NDF : 3396196453.3/23

-1.712+/-0.000 χ^2/NDF : 5841884849.2/49

-1.800+/-0.000 χ^2/NDF : 2412488013.4/25

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.071 $\pm$ 0.000 χ^2/NDF : 77589.5/16

Left Out: 0.074 $\pm$ 0.000 χ^2/NDF : 6077.4/6

Right Out: 0.072 $\pm$ 0.000 χ^2/NDF : 73650.9/19

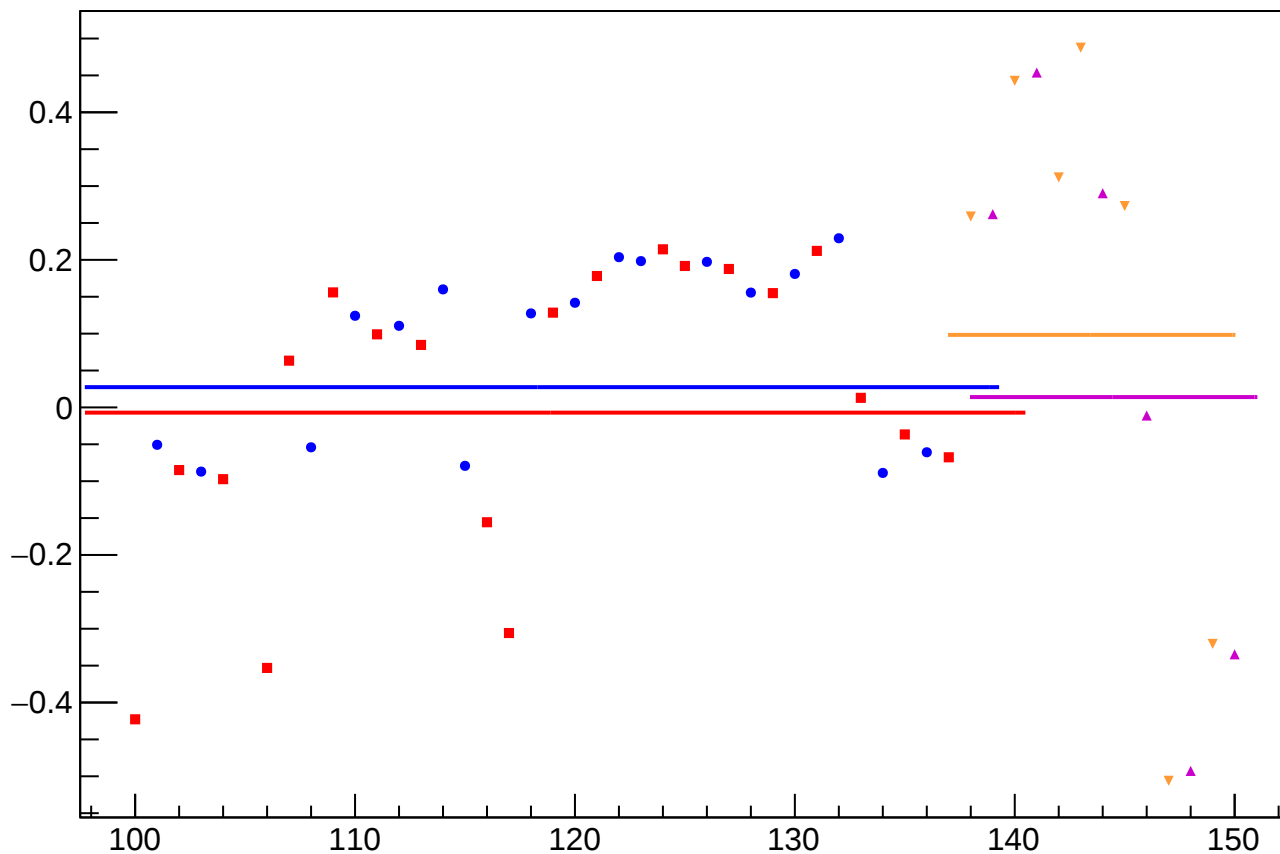
Left In: 0.075 $\pm$ 0.000 χ^2/NDF : 8083.1/5

0.072 $\pm$ 0.000 χ^2/NDF : 93935.2/23

0.073 $\pm$ 0.000 χ^2/NDF : 183799.0/49

0.073 $\pm$ 0.000 χ^2/NDF : 87960.5/25

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 0.027 $\pm$ 0.000 χ^2/NDF : 562337631.4/16

Left Out: 0.098 $\pm$ 0.000 χ^2/NDF : 8272414742.6/6

Right Out: -0.007 $\pm$ 0.000 χ^2/NDF : 1207003891.2/19

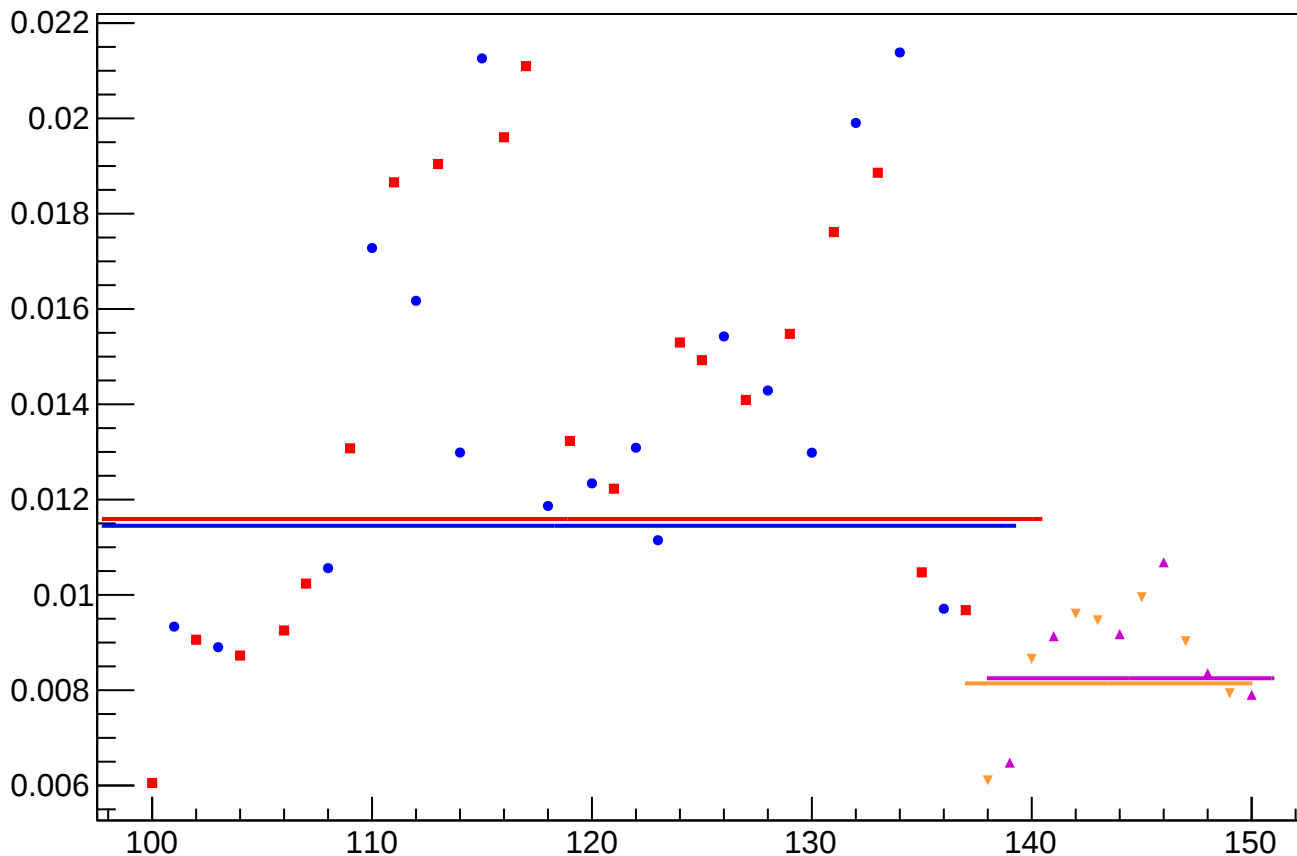
Left In: 0.014 $\pm$ 0.000 χ^2/NDF : 7752928119.6/5

0.070 $\pm$ 0.000 χ^2/NDF : 8966381962.6/23

0.038 $\pm$ 0.000 χ^2/NDF : 18163608481.0/4

0.005 $\pm$ 0.000 χ^2/NDF : 8971542350.6/25

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 : 254053.0/6

Right Out: 0.012 $\pm$ 0.000 χ^2/NDF : 1012799.2/19

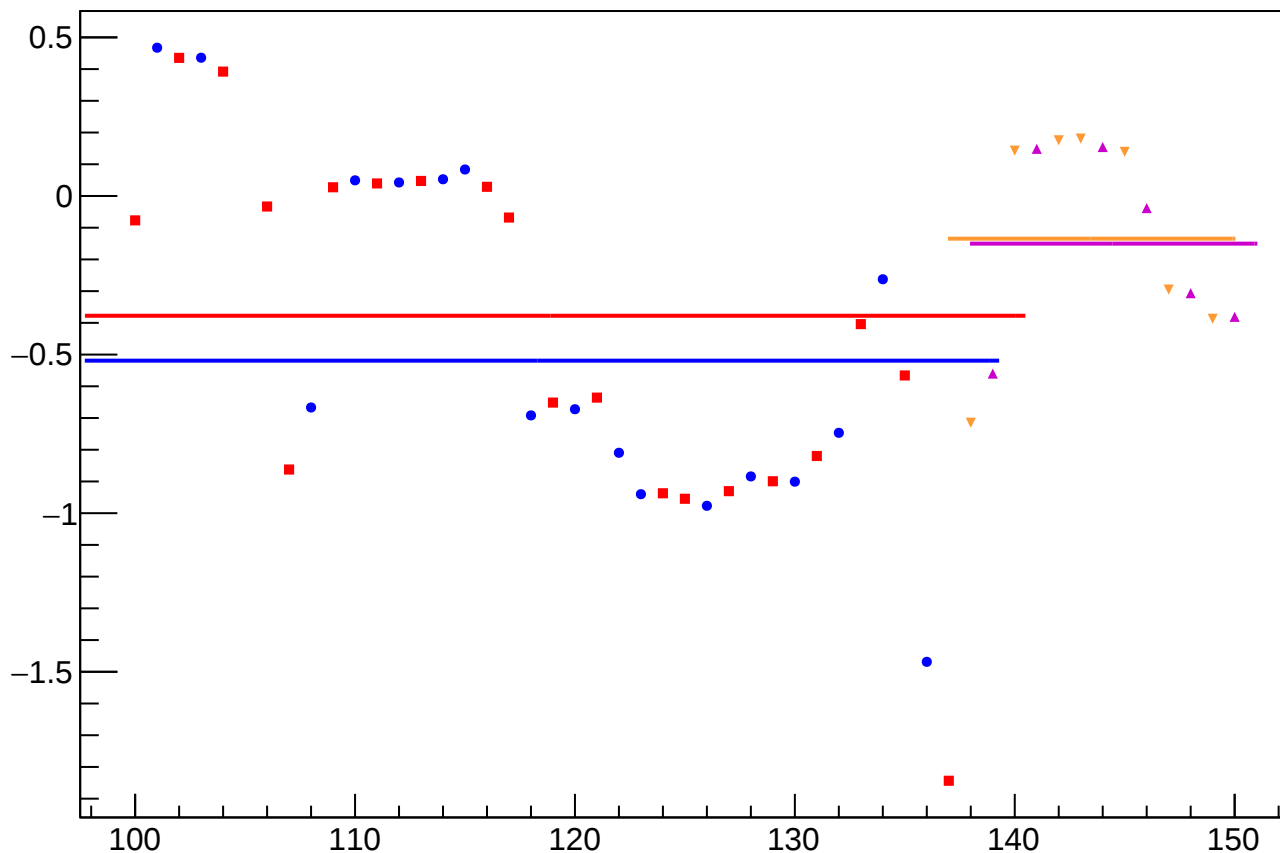
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 197564.5/5

0.009 $\pm$ 0.000 χ^2/NDF : 1507743.2/23

0.010 $\pm$ 0.000 χ^2/NDF : 3303734.0/49

0.010 $\pm$ 0.000 χ^2/NDF : 1793316.3/25

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.519+/-0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.135+/-0.000 χ^2/NDF : 75020991.1/6

Right Out: -0.378+/-0.000 χ^2/NDF : 269130827.6/19

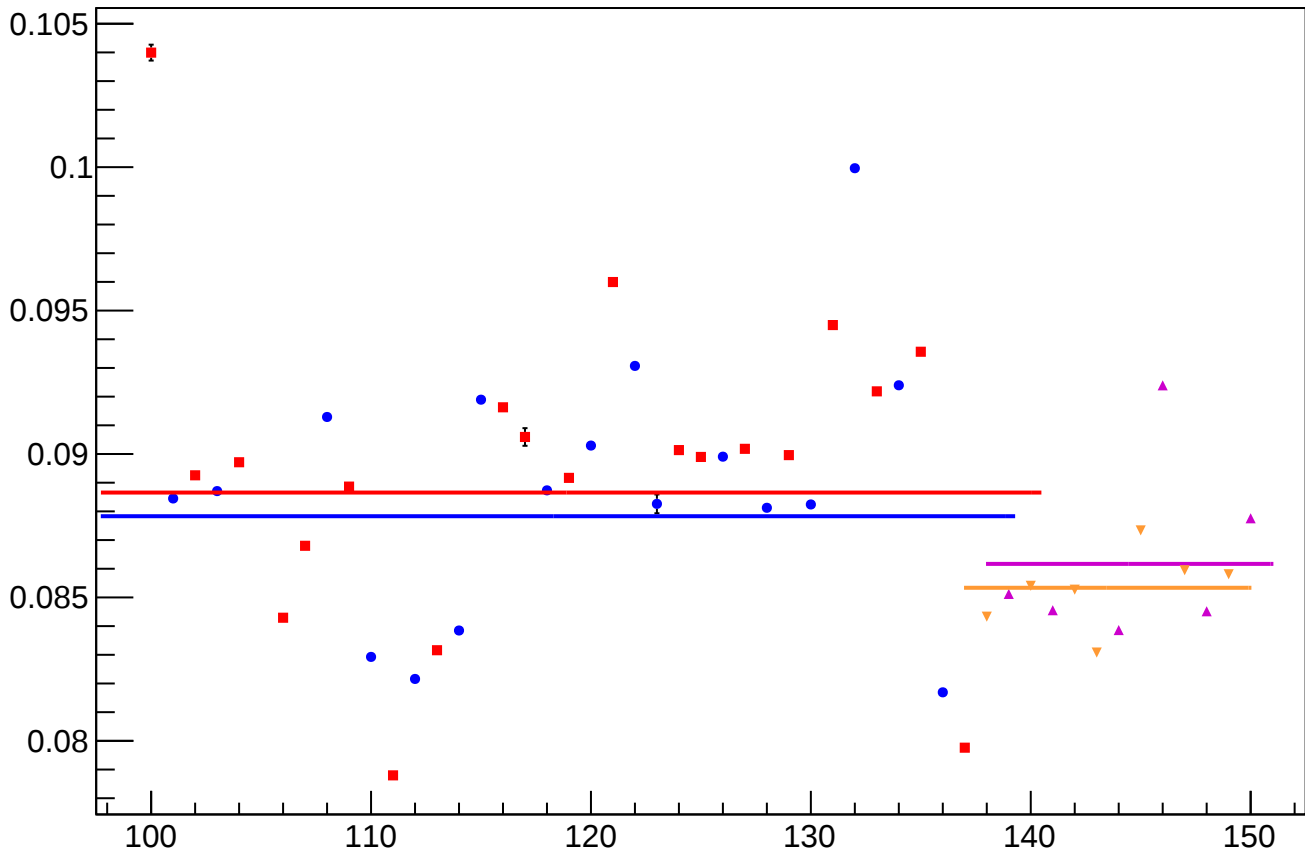
Left In: -0.150+/-0.000 χ^2/NDF : 47202411.2/5

-0.351+/-0.000 χ^2/NDF : 470568547.0/23

-0.317+/-0.000 χ^2/NDF : 809990147.2/49

-0.283+/-0.000 χ^2/NDF : 335877302.9/25

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.088 $\pm$ 0.000 χ^2 /NDF: 34954.4/16

Left Out: 0.085 $\pm$ 0.000 χ^2 /NDF:2089.4/6

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 39762.8/19

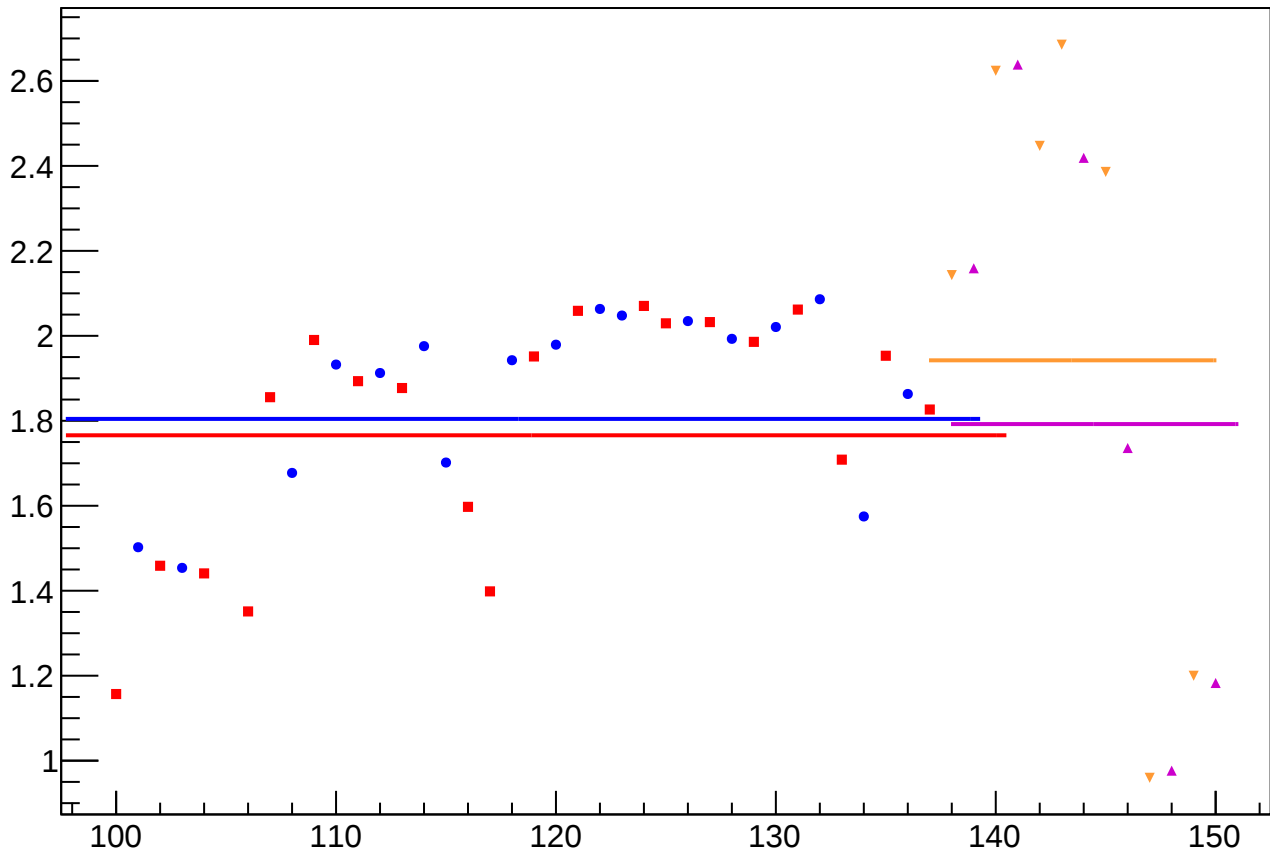
Left In: 0.086 $\pm$ 0.000 χ^2 /NDF:10415.7/5

0.087 $\pm$ 0.000 χ^2 /NDF: 41770.4/23

0.087 $\pm$ 0.000 χ^2 /NDF: 97831.0/49

0.088 $\pm$ 0.000 χ^2 /NDF: 54853.5/25

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156747883.2/16

Left Out: 1.942 $\pm$ 0.000 χ^2 /NDF: 15152921120.9/6

Right Out: 1.766 $\pm$ 0.000 χ^2 /NDF: 1717275187.7/19

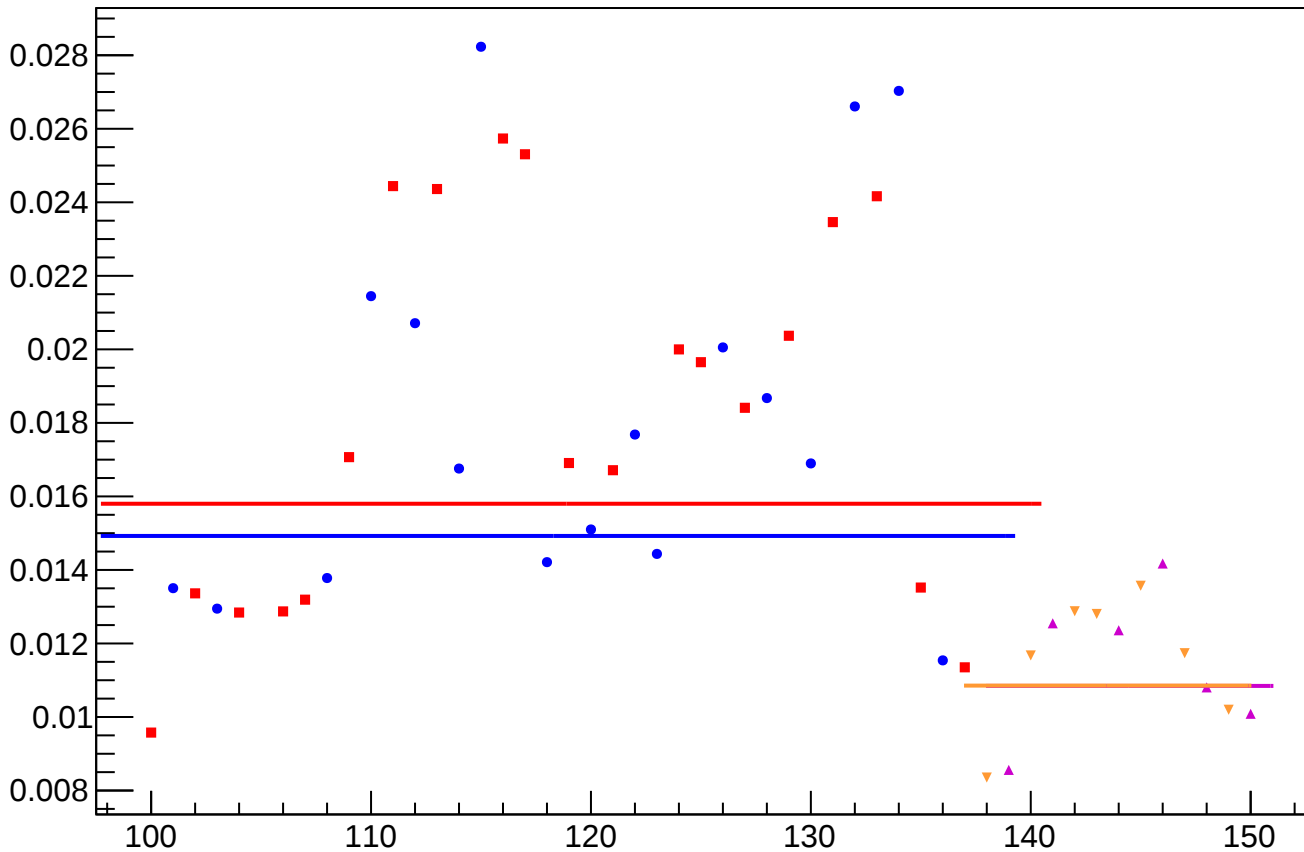
Left In: 1.792 $\pm$ 0.000 χ^2 /NDF: 13950745822.8/5

1.886 $\pm$ 0.000 χ^2 /NDF: 16599560736.0/23

1.835 $\pm$ 0.000 χ^2 /NDF: 32613896640.6/4

1.782 $\pm$ 0.000 χ^2 /NDF: 15678221045.1/25

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 643651.9/16

Left Out: 0.011+/-0.000 χ^2/NDF : 248013.5/6

Right Out: 0.016+/-0.000 χ^2/NDF : 796839.8/19

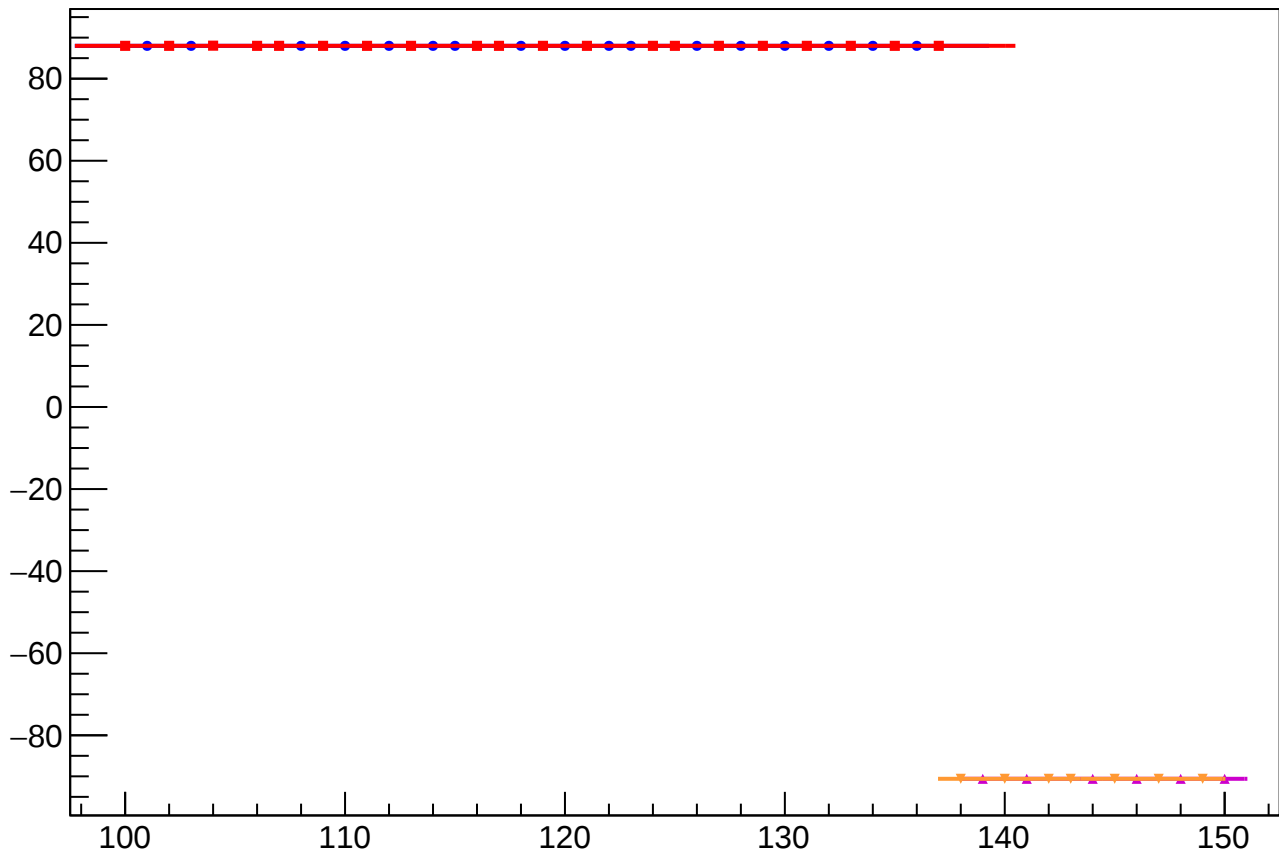
Left In: 0.011+/-0.000 χ^2/NDF : 226374.4/5

0.013+/-0.000 χ^2/NDF : 1397116.5/23

0.013+/-0.000 χ^2/NDF : 3143931.9/49

0.013+/-0.000 χ^2/NDF : 1741329.2/25

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 : 3052046.0/6

Right Out: 88.004+/-0.000 χ^2/NDF : 77578366411928007427611426816.0/19

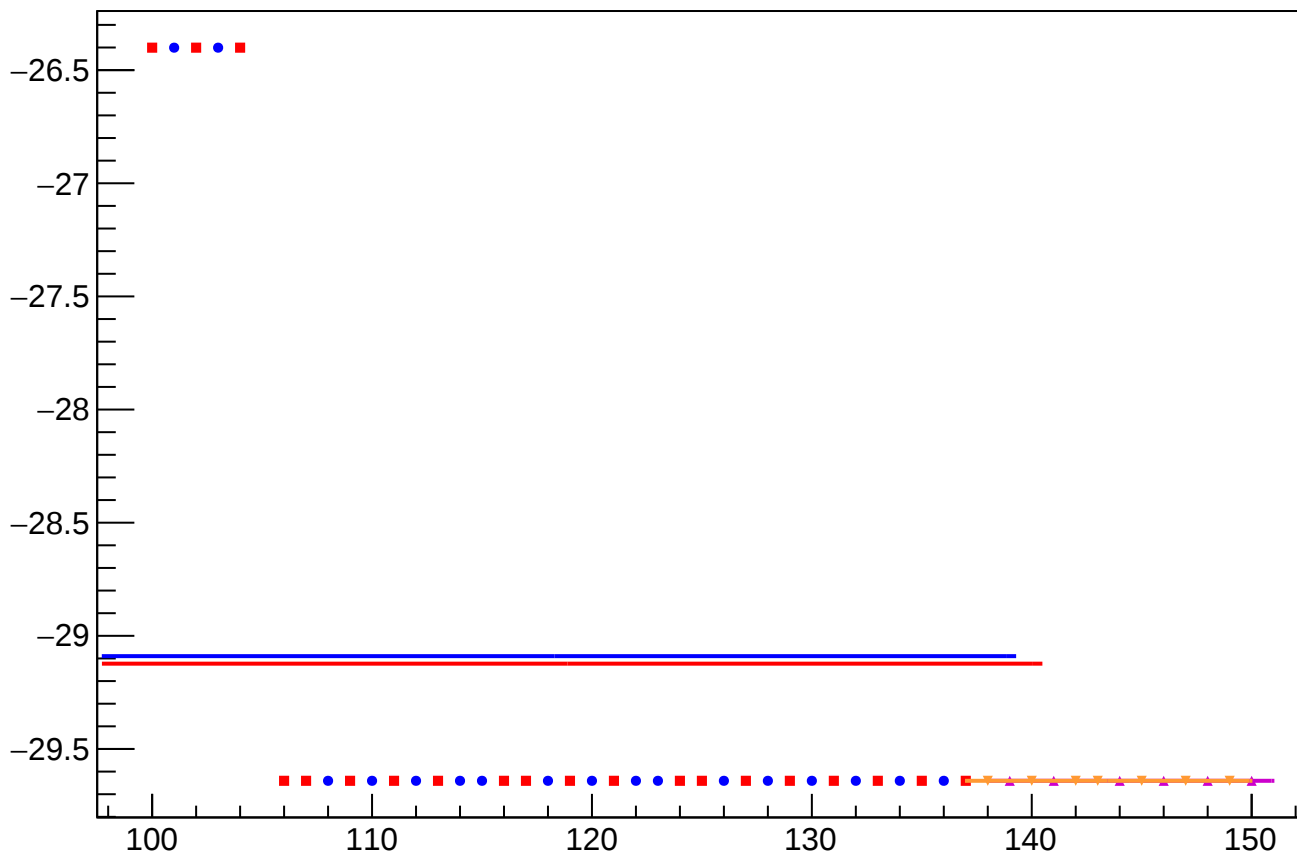
Left In: -90.599+/-0.000 χ^2/NDF : 1258946.3/5

11.837+/-0.000 χ^2/NDF : 944031989077685000

13.469+/-0.000 χ^2/NDF : 1890269574770

15.078+/-0.000 χ^2/NDF : 945597935003784952

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 :156535.2/6

Right Out: -29.123+/-0.000 χ^2/NDF : 1023154512396702254583444720844800.0/19

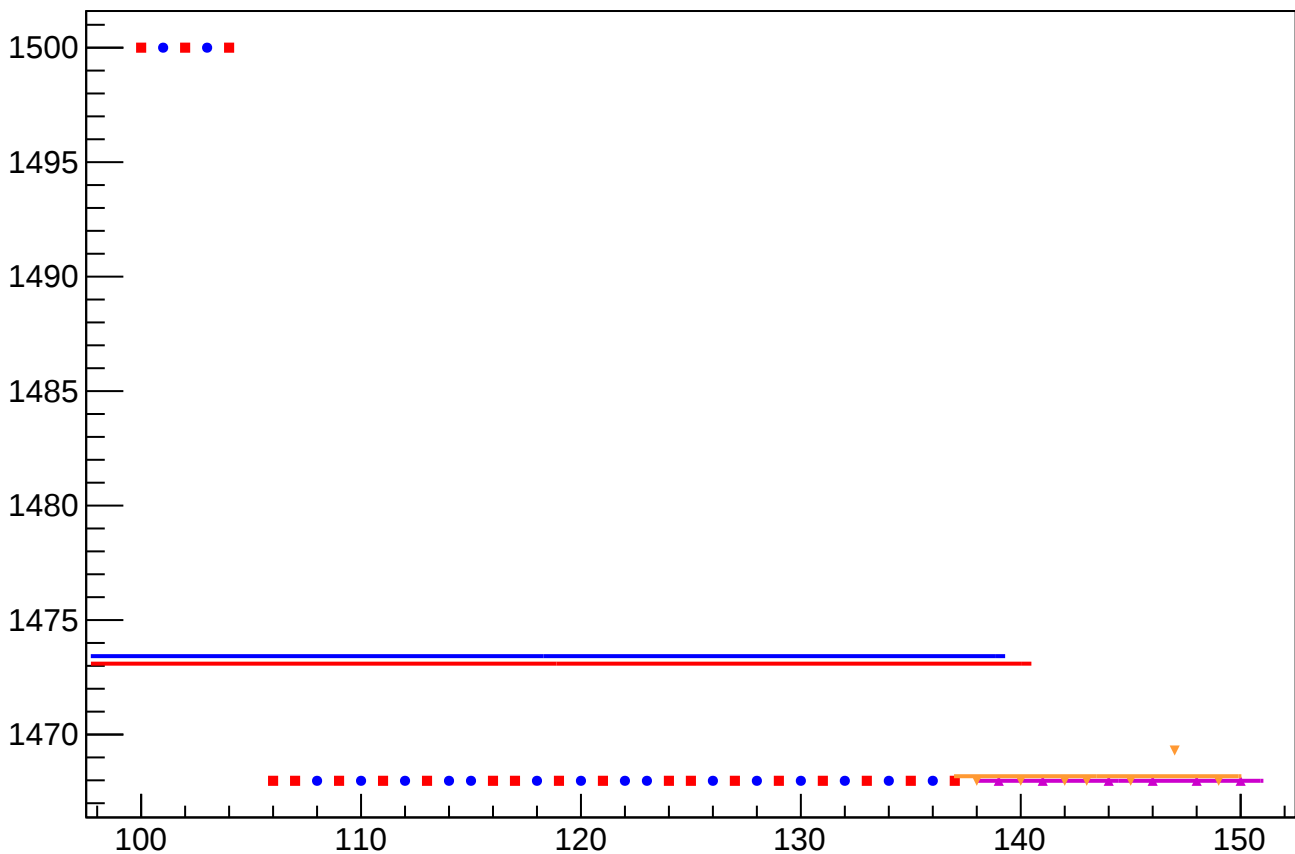
Left In: -29.641+/-0.000 χ^2/NDF :36464.3/5

-29.325+/-0.000 χ^2/NDF : 11179163186776832

-29.330+/-0.000 χ^2/NDF : 222057193073

-29.334+/-0.000 χ^2/NDF : 11025987755501112

epics_psub_pl_pos_mean vs Slug, Sign Corrected



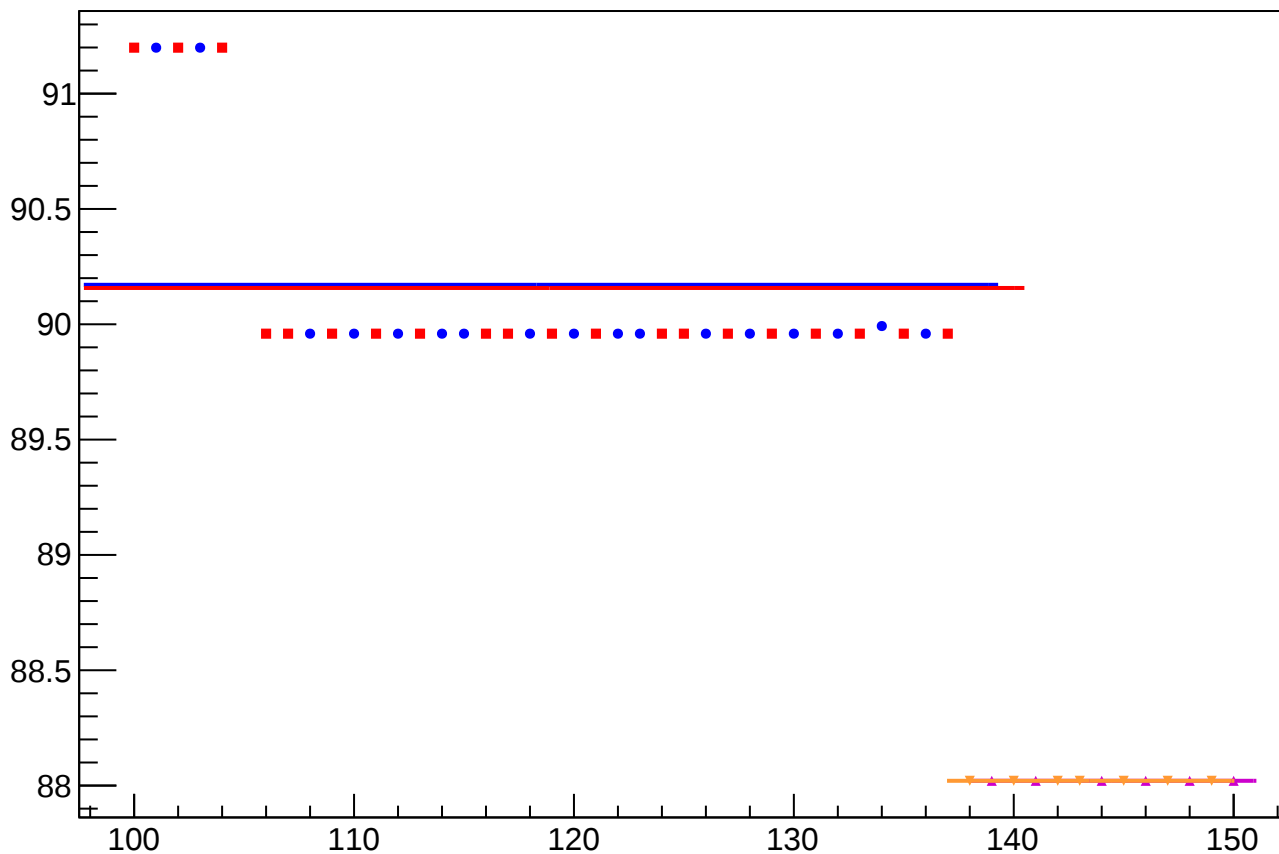
Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1468.179+/-0.000 χ^2/NDF : 115751024858577901145132124602368.0/6

Right Out: 1473.096+/-0.000 χ^2/NDF : 99938310777099611815298348687032320.0/19

Left In: 1467.979+/-0.000 χ^2/NDF : 192784781.5/5

epics_Phi_FGs_mean vs Slug, Sign Corrected



Right In: 90.171+/-0.000 χ^2/NDF : 150316905454500935857801185460224.0/16

Left Out: 88.021+/-0.000 χ^2/NDF : 2716003.9/6

Right Out: 90.157+/-0.000 χ^2/NDF : 149863052341628336344772108091392.0/19

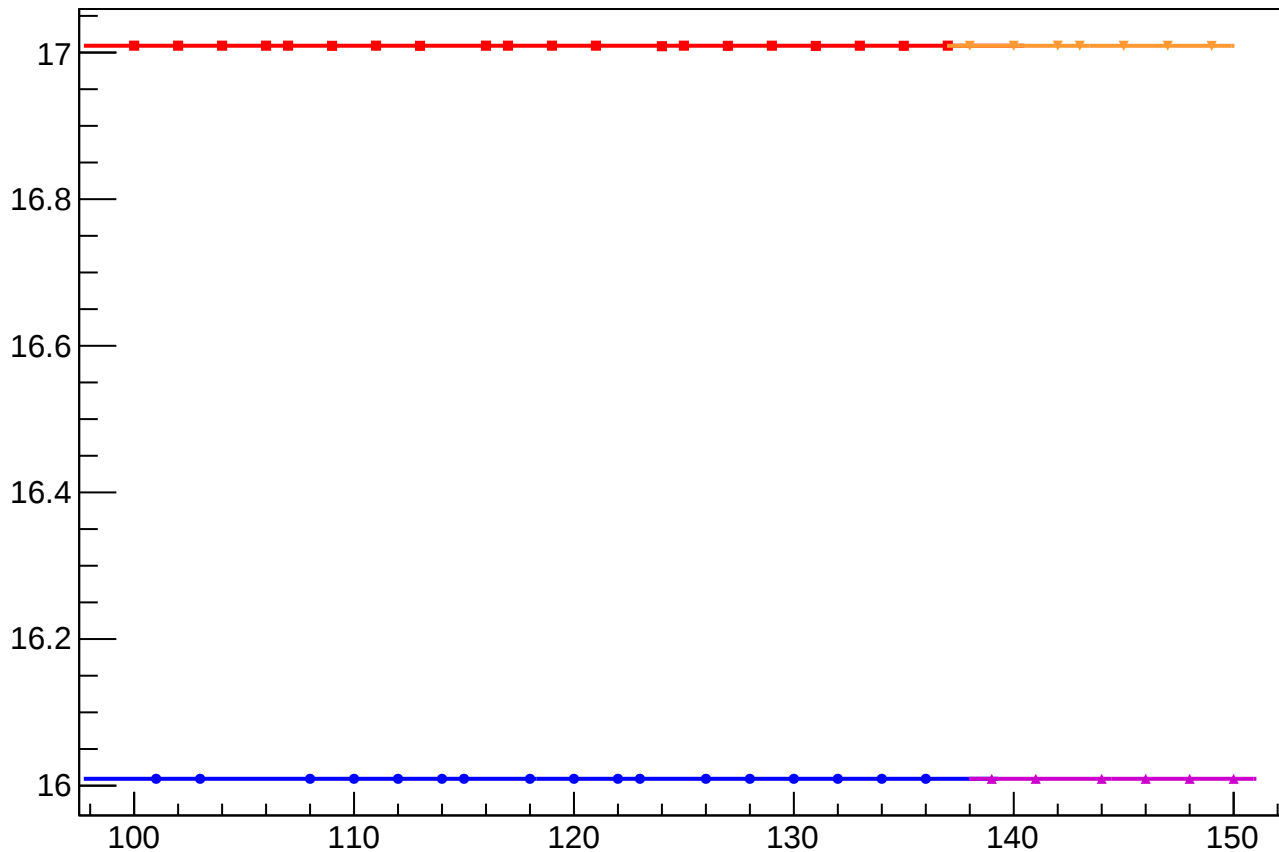
Left In: 88.021+/-0.000 χ^2/NDF : 1410205.6/5

89.254+/-0.000 χ^2/NDF : 15189096447719745

89.270+/-0.000 χ^2/NDF : 3022750733985

89.285+/-0.000 χ^2/NDF : 15032600408680380

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: 4403417464622641215176704.0/6

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 1254878336668674095788512.0/19

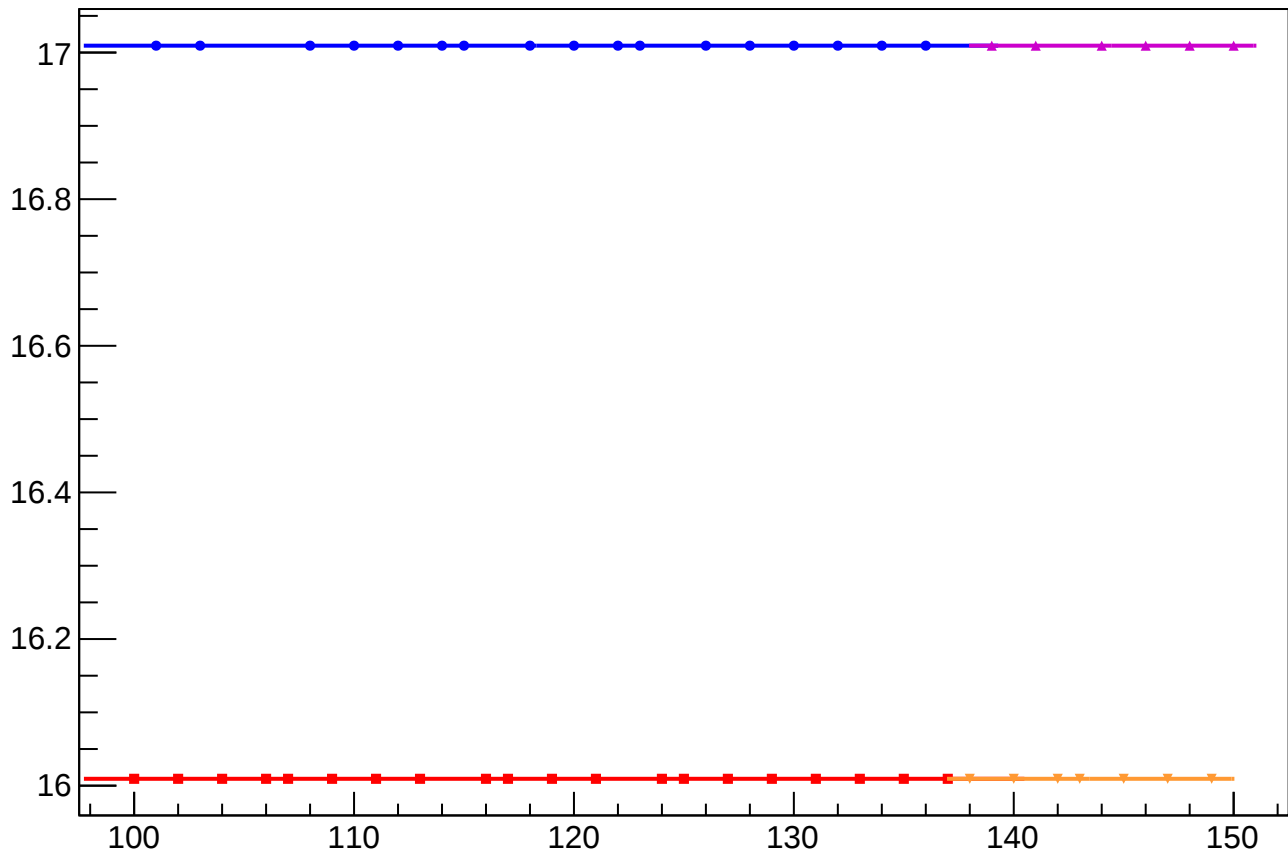
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 19803.6/5

16.425 $\pm$ 0.000 χ^2 /NDF: 275105418594596042

16.508 $\pm$ 0.000 χ^2 /NDF: 5653573855632

16.592 $\pm$ 0.000 χ^2 /NDF: 274457117308301163

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 : 17266.6/6

Right Out: 16.009+/-0.000 χ^2/NDF : 42750.0/19

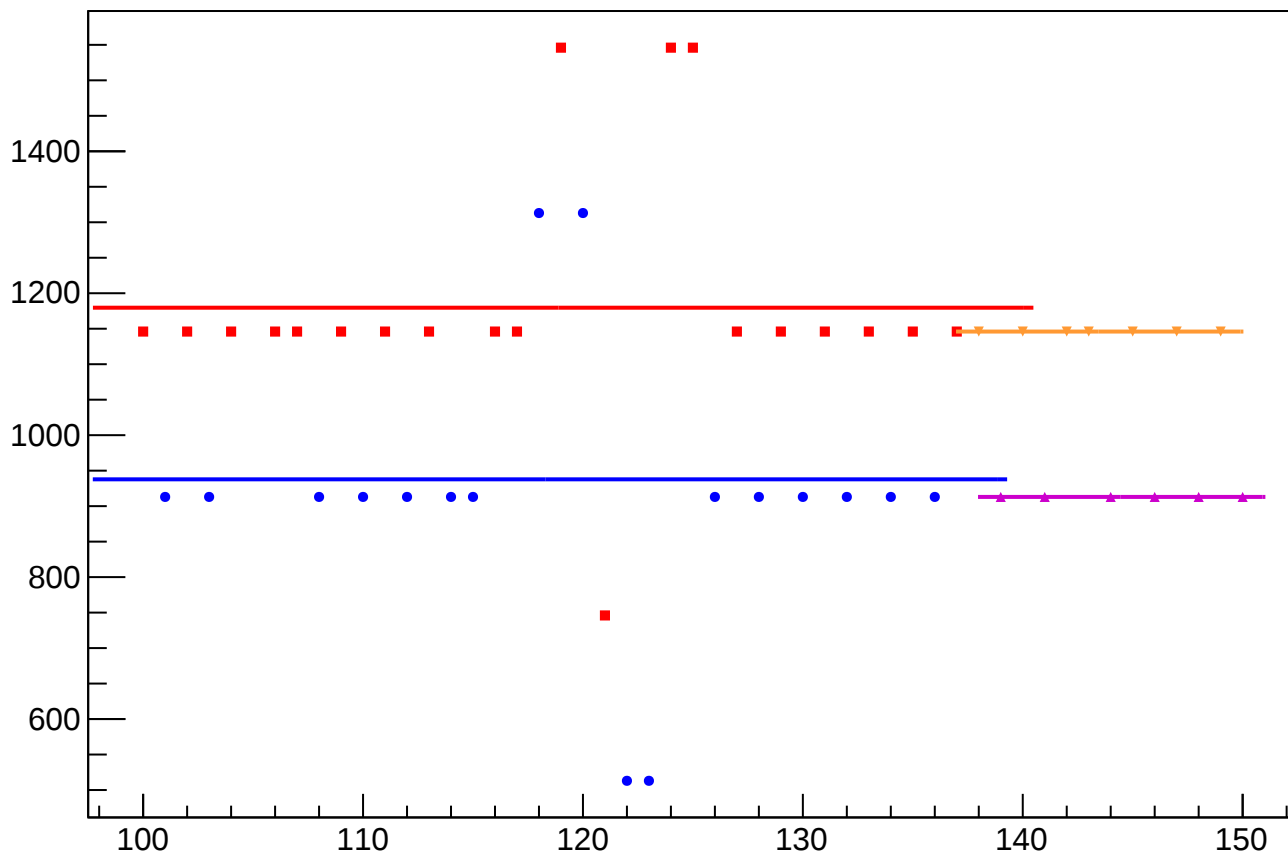
Left In: 17.009+/-0.000 χ^2/NDF : 11018.8/5

16.575+/-0.000 χ^2/NDF : 287432478632473565

16.496+/-0.000 χ^2/NDF : 5970715481171

16.420+/-0.000 χ^2/NDF : 295261475409810300

epics_RTPAPOSUCNTs_mean vs Slug, Sign Corrected



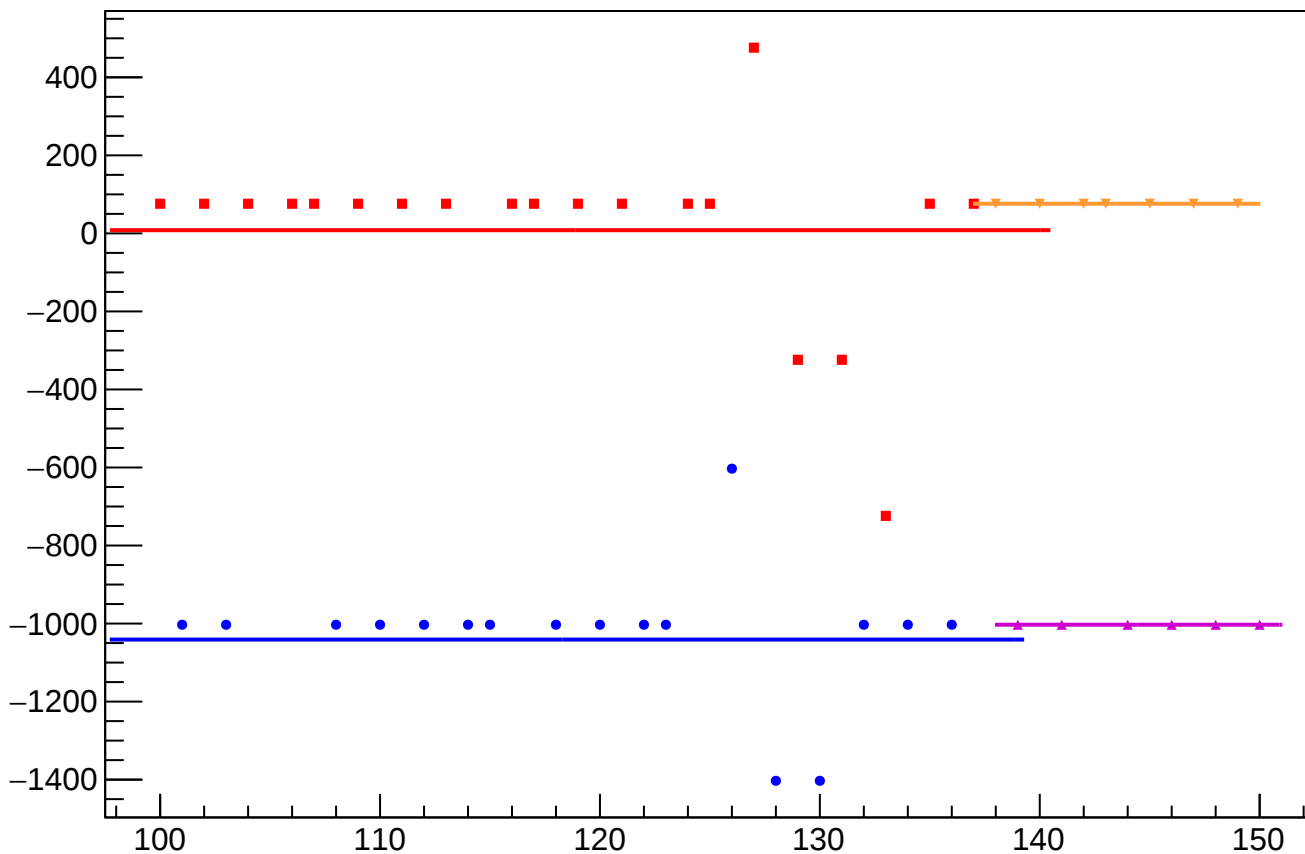
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.011+/-0.000 χ^2/NDF : 2002119584020016723361005568.0/6

Right Out: 1179.619+/-0.000 χ^2/NDF : 21420659731738679306829480097874968576.0/19

Left In: 912.994+/-0.000 χ^2/NDF : 8695798473934990862884798464.0/5

epics_RTPAPOSVCNTs_mean vs Slug, Sign Corrected



Right In: -1041.030+/-0.000 χ^2/NDF : 22675401109943882512554797113855180800.0/16

Left Out: 76.011+/-0.000 χ^2/NDF : 2642194520450099076585750528.0/6

Right Out: 8.240+/-0.000 χ^2/NDF : 43865391744972338137265798243810279424.0/19

Left In: -1002.989+/-0.000 χ^2/NDF : 847029506551861126279200768.0/5