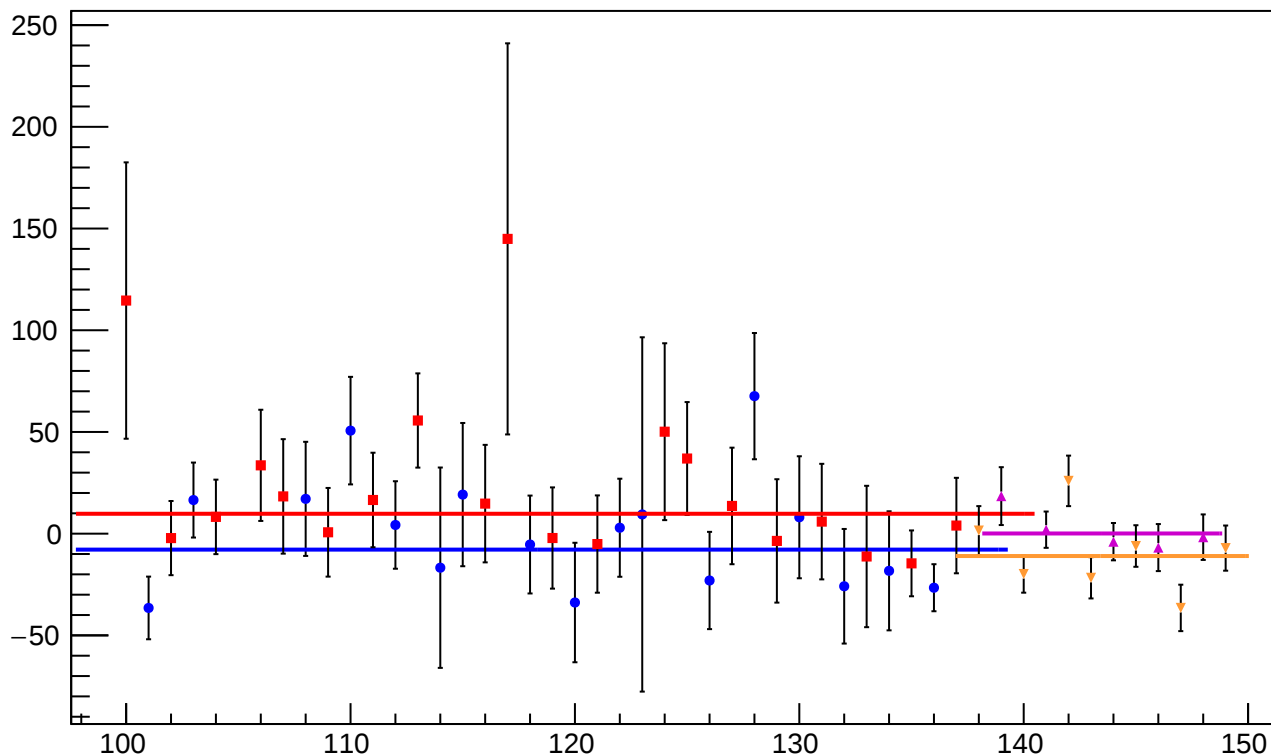


diff_bpm4aX_mean vs Slug, Sign Corrected



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: 0.093 $\pm$ 4.722

χ^2/NDF : 2.3/4

-9.907 $\pm$ 3.294

χ^2/NDF : 40.2/23

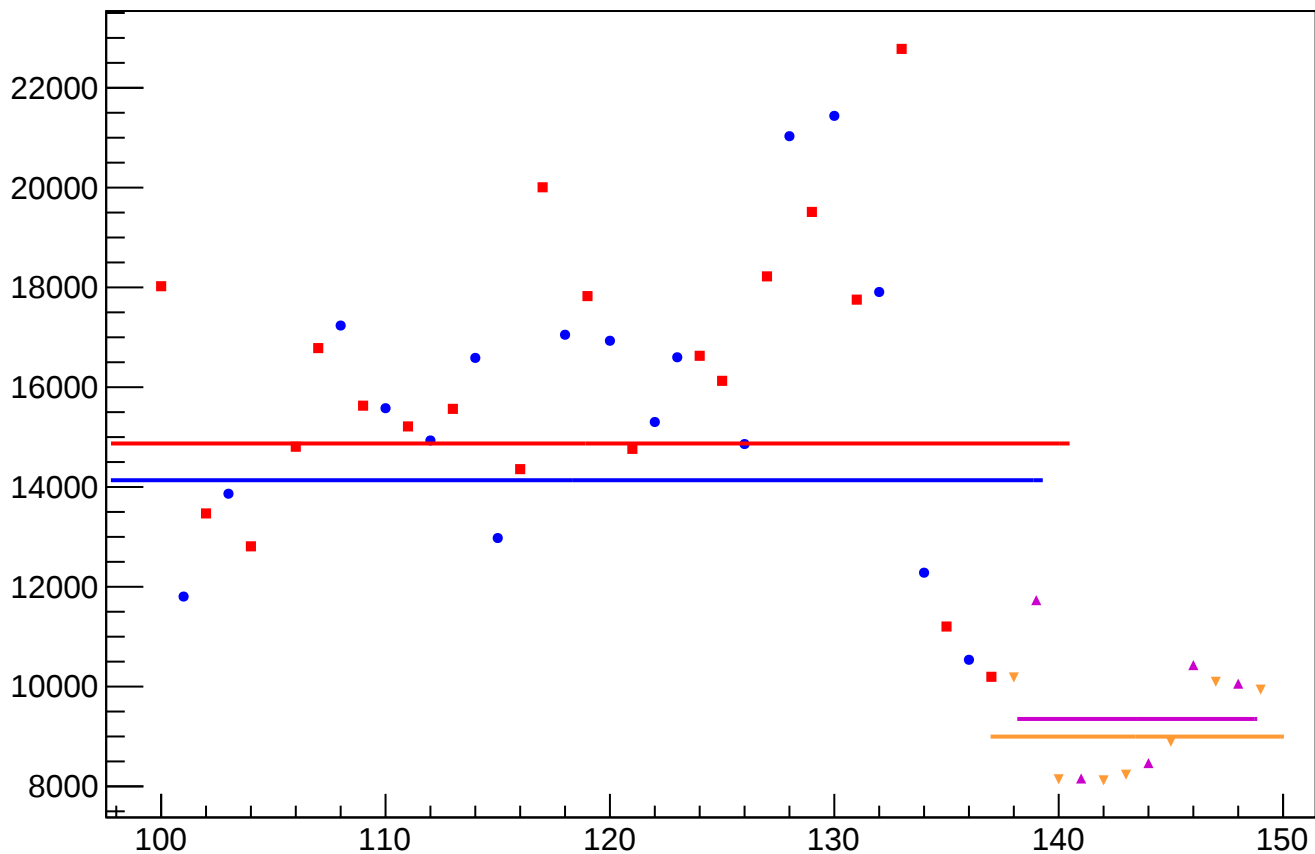
-3.595 $\pm$ 2.439

χ^2/NDF : 67.5/48

4.062 $\pm$ 3.628

χ^2/NDF : 19.2/24

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

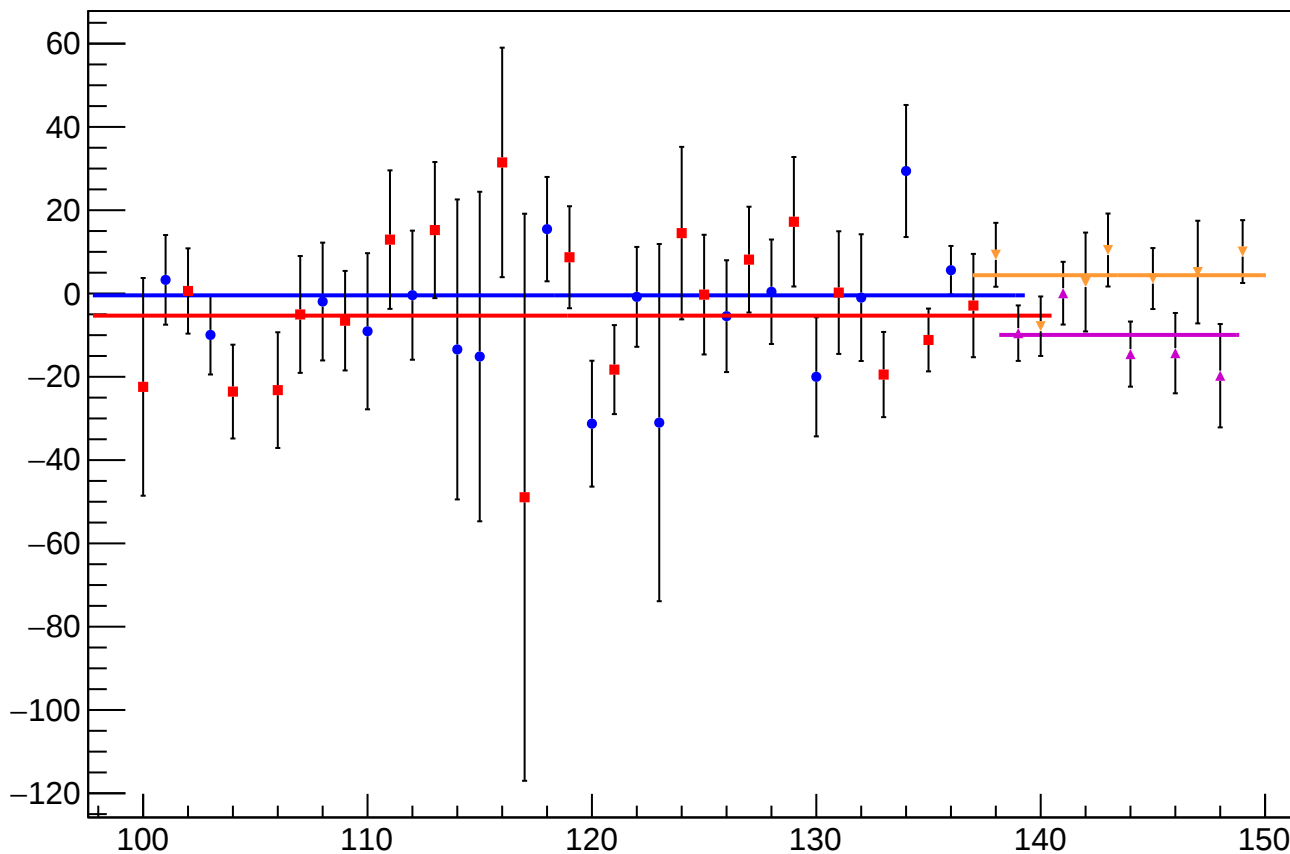
Left In: 9351.210 $\pm$ 3.339 χ^2 /NDF: 135814.2/4

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

11150.924 $\pm$ 1.724 χ^2 /NDF: 3581267.4/4

11613.275 $\pm$ 2.565 χ^2 /NDF: 1733789.6/24

diff_bpm4aY_mean vs Slug, Sign Corrected



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

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

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

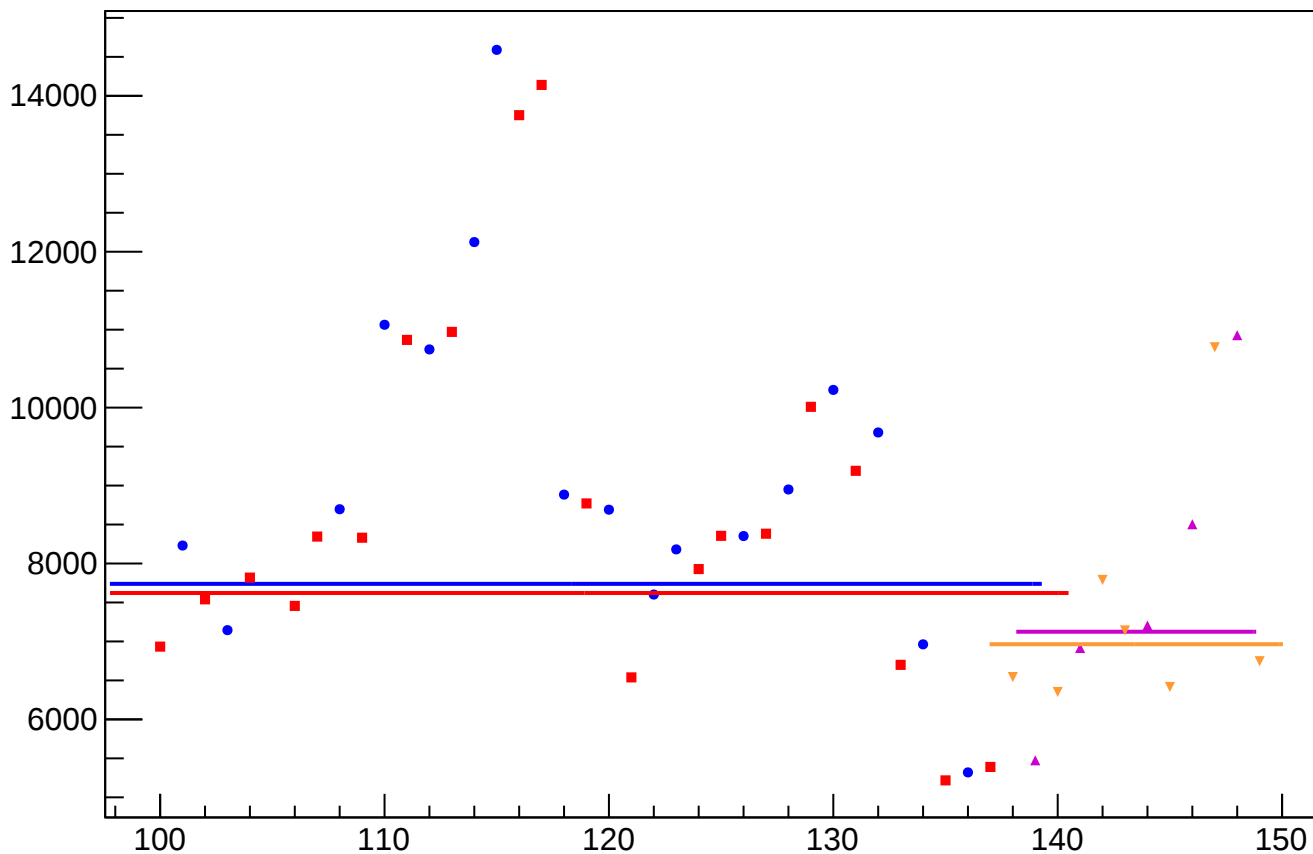
Left In: -9.942 ± 3.682 $\chi^2/\text{NDF}: 2.9/4$

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

-2.428 ± 1.590 $\chi^2/\text{NDF}: 51.9/48$

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

diff_bpm4aY_rms vs Slug, Sign Corrected



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

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

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

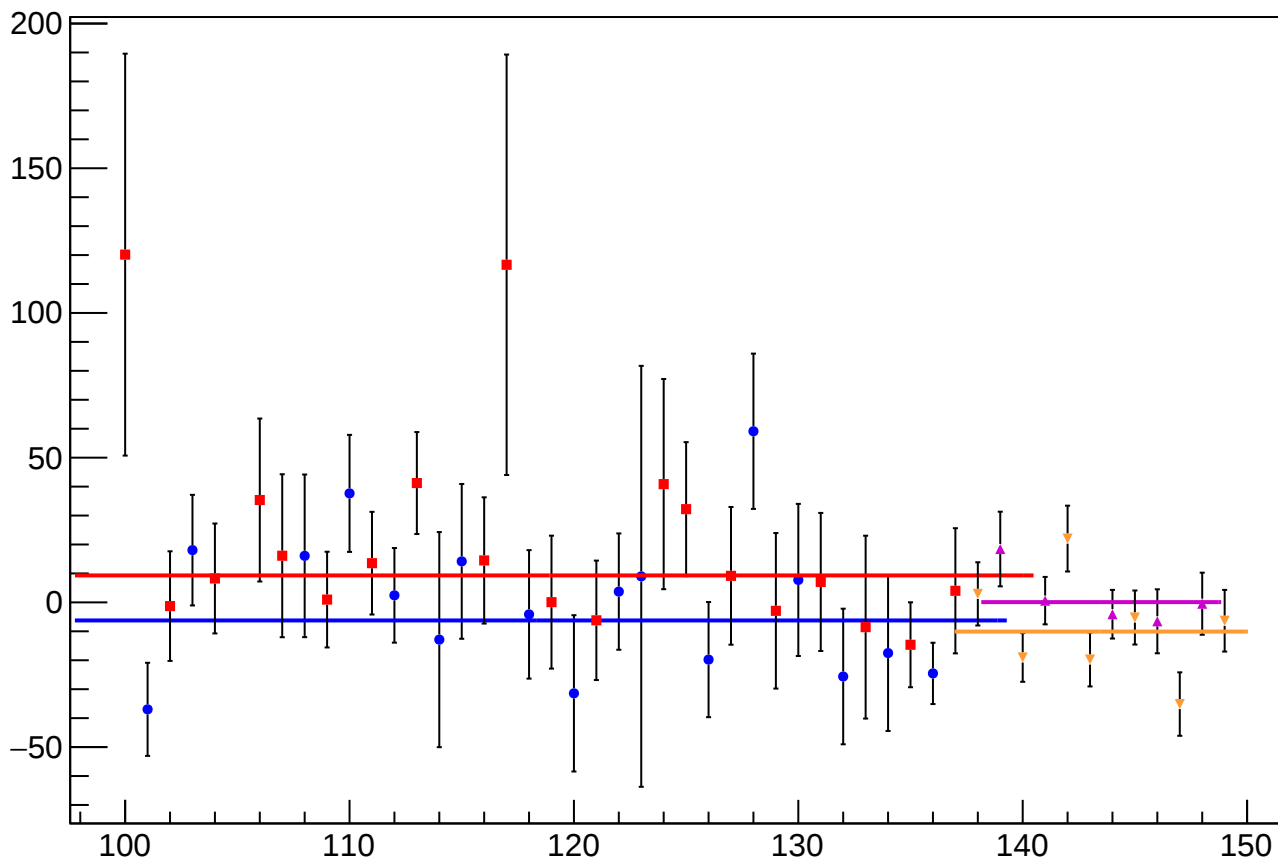
Left In: 7124.537 $\pm$ 2.603 χ^2 /NDF: 353231.8/4

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

7395.072 $\pm$ 1.124 χ^2 /NDF: 2111521.2/48

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

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.244 $\pm$ 5.017 χ^2/NDF : 23.2/16

Left Out: -10.088 $\pm$ 3.769 χ^2/NDF : 17.2/6

Right Out: 9.310 $\pm$ 4.987 χ^2/NDF : 15.3/19

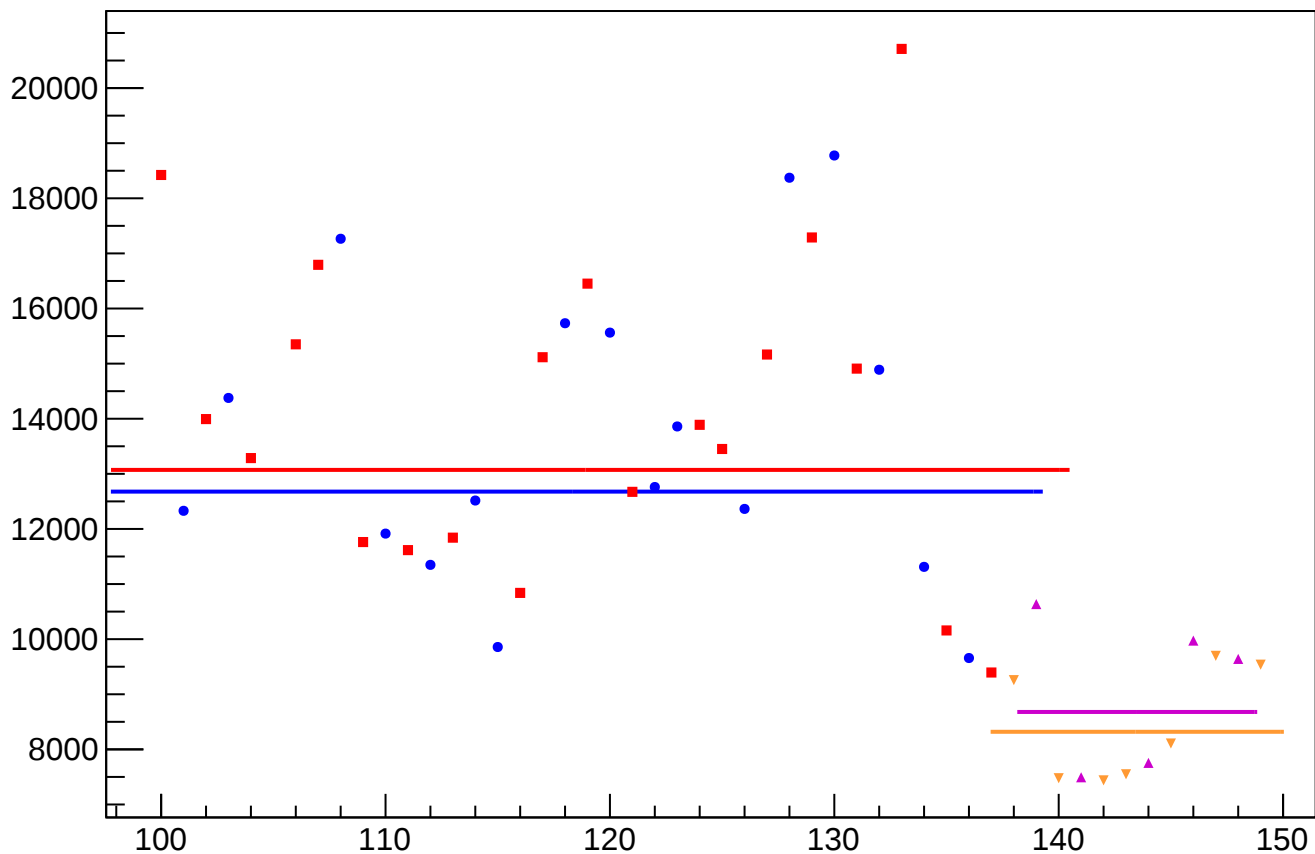
Left In: 0.085 $\pm$ 4.388 χ^2/NDF : 2.6/4

-8.702 $\pm$ 3.013 χ^2/NDF : 40.8/23

-2.865 $\pm$ 2.224 χ^2/NDF : 68.9/48

4.110 $\pm$ 3.294 χ^2/NDF : 19.9/24

diff_bpm4eX_rms vs Slug, Sign Corrected



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

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

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

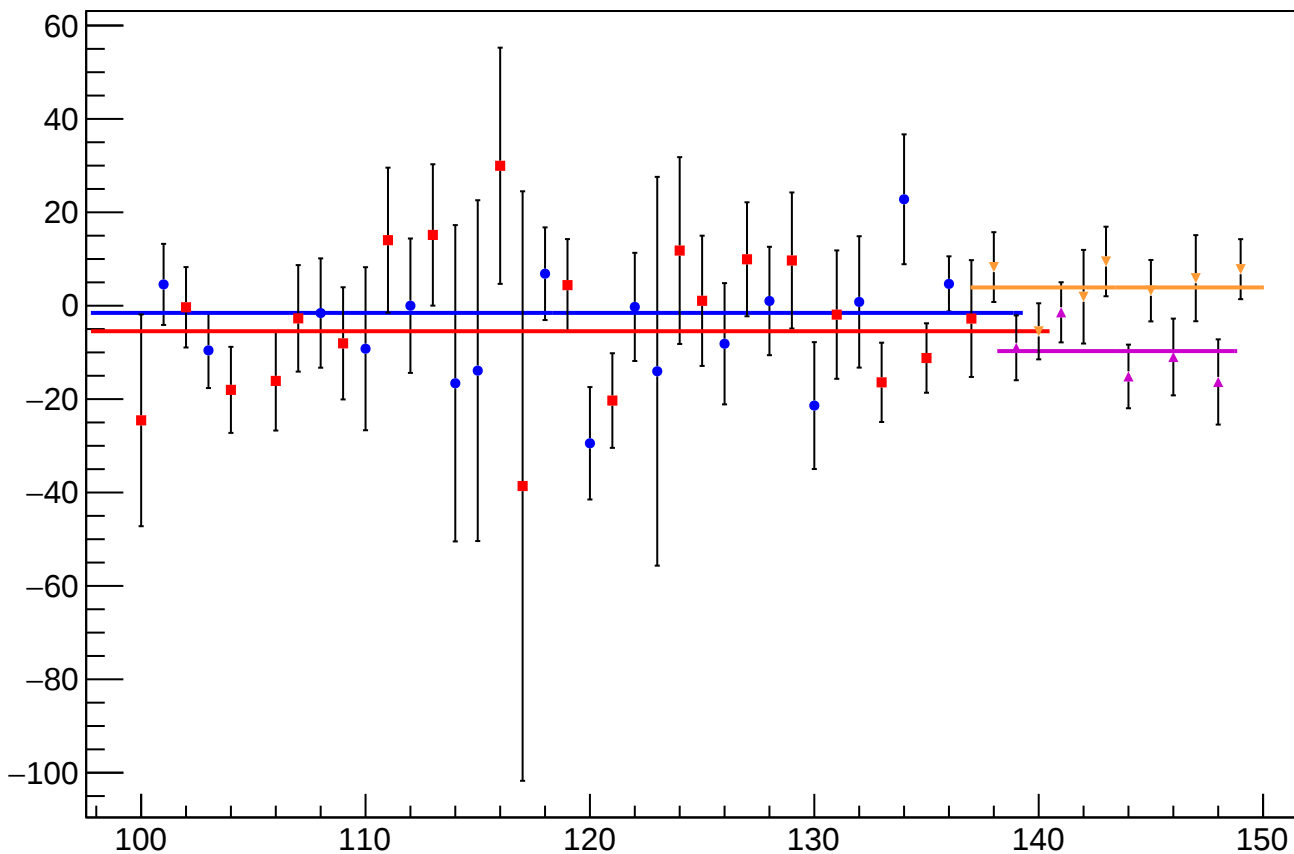
Left In: 8678.995 ± 3.103 χ^2/NDF : 155685.8/4

9891.358 ± 2.131 χ^2/NDF : 1637650.2/23

10212.079 ± 1.572 χ^2/NDF : 3216580.9/4

10595.369 ± 2.329 χ^2/NDF : 1529202.0/24

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.538 $\pm$ 2.790 χ^2/NDF : 14.8/16

Left Out: 3.912 $\pm$ 2.744 χ^2/NDF : 3.8/6

Right Out: -5.463 $\pm$ 2.637 χ^2/NDF : 18.9/19

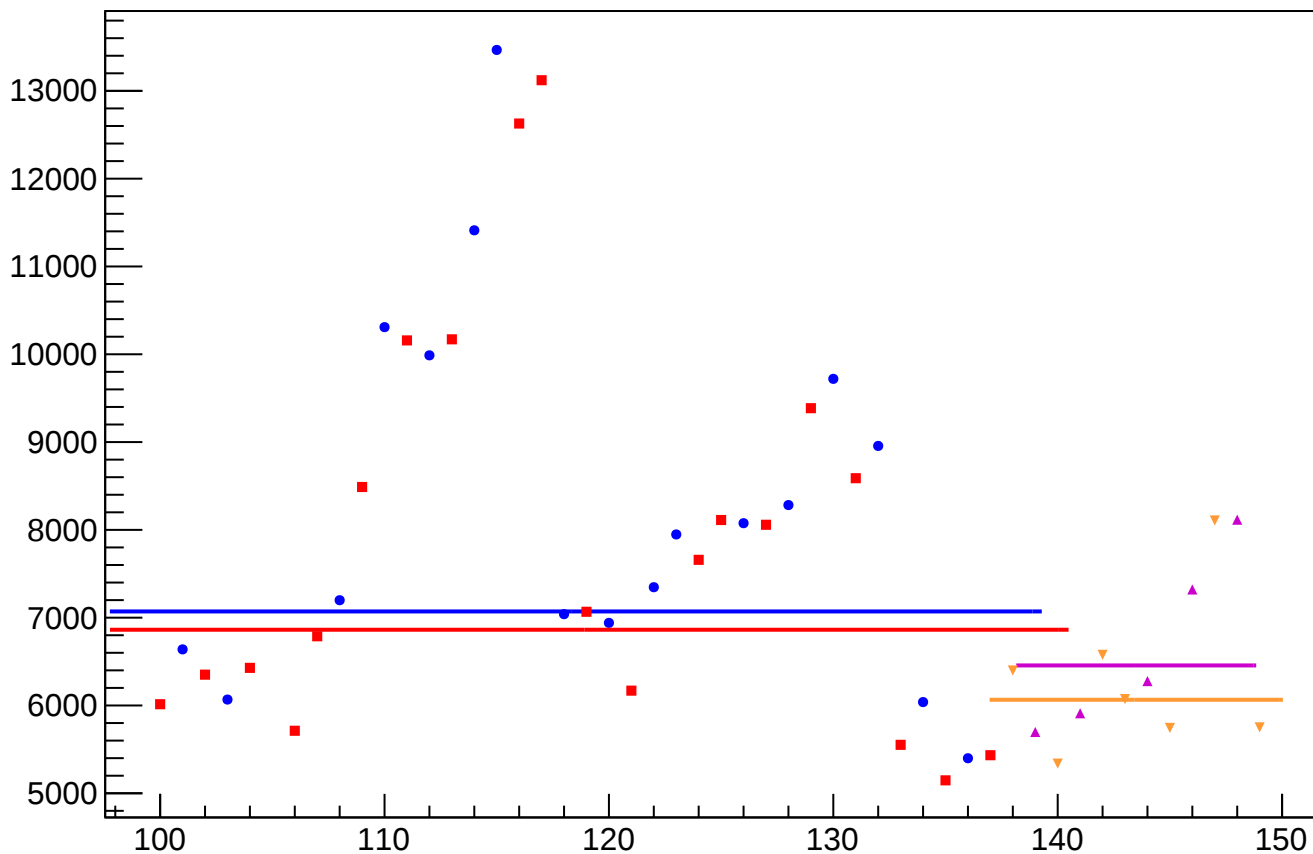
Left In: -9.717 $\pm$ 3.275 χ^2/NDF : 2.9/4

1.233 $\pm$ 1.957 χ^2/NDF : 20.6/23

-2.749 $\pm$ 1.417 χ^2/NDF : 52.0/48

-7.136 $\pm$ 2.054 χ^2/NDF : 22.7/24

diff_bpm4eY_rms vs Slug, Sign Corrected



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

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

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

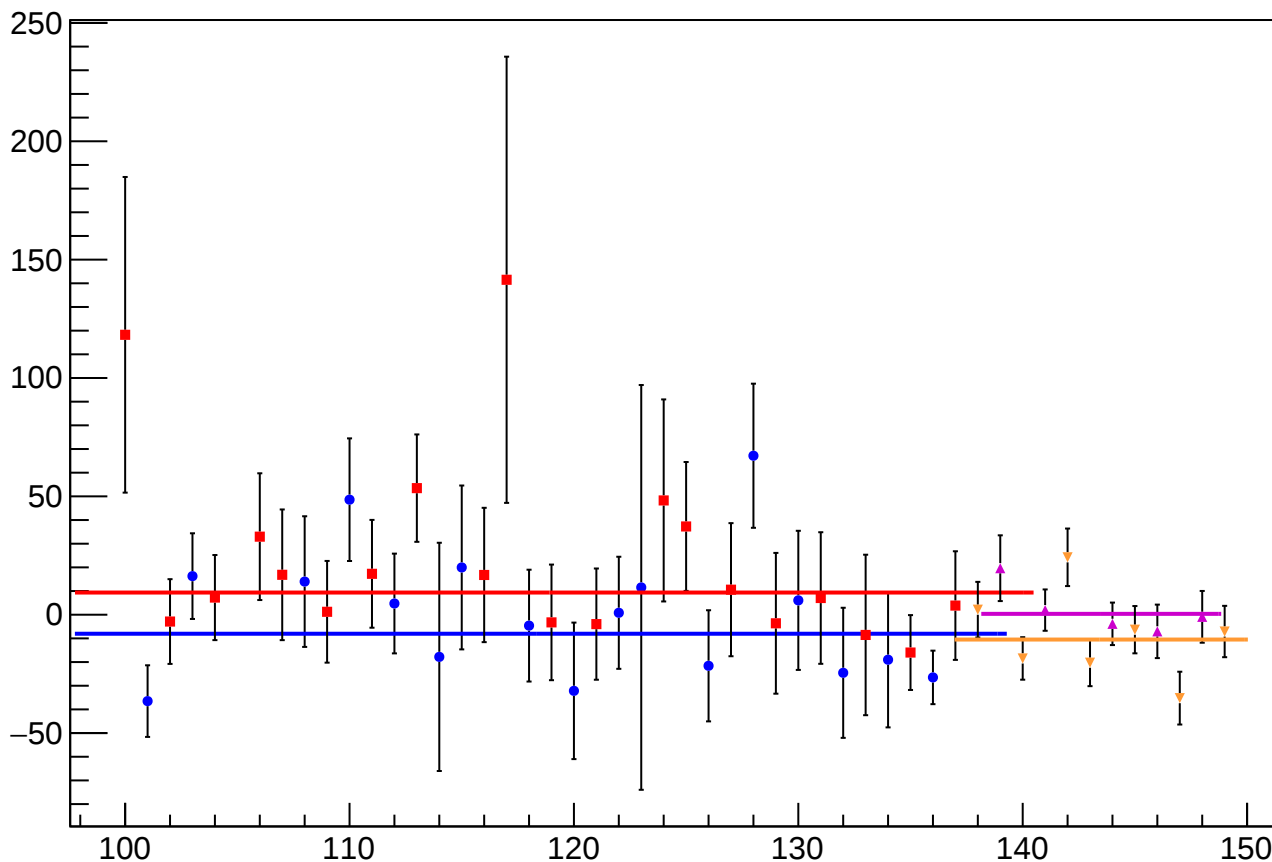
Left In: 6456.111 +/- 2.316 χ^2/NDF : 127890.1/4

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

6627.723 +/- 1.002 χ^2/NDF : 1734826.1/48

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

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

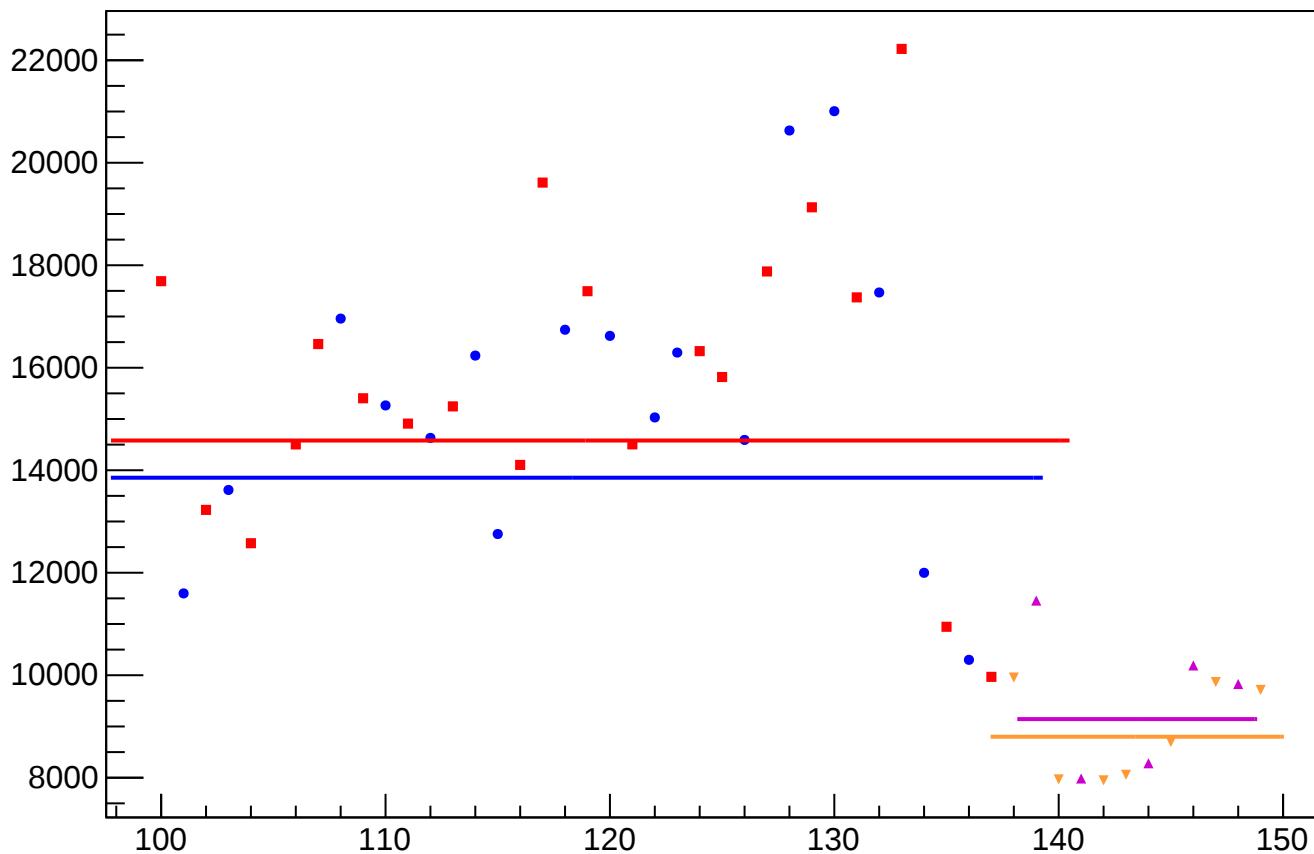
Left In: 0.363 $\pm$ 4.617 χ^2/NDF : 2.6/4

-9.646 $\pm$ 3.224 χ^2/NDF : 39.0/23

-3.462 $\pm$ 2.387 χ^2/NDF : 67.0/48

4.041 $\pm$ 3.551 χ^2/NDF : 19.8/24

diff_bpm4acX_rms vs Slug, Sign Corrected



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

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

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

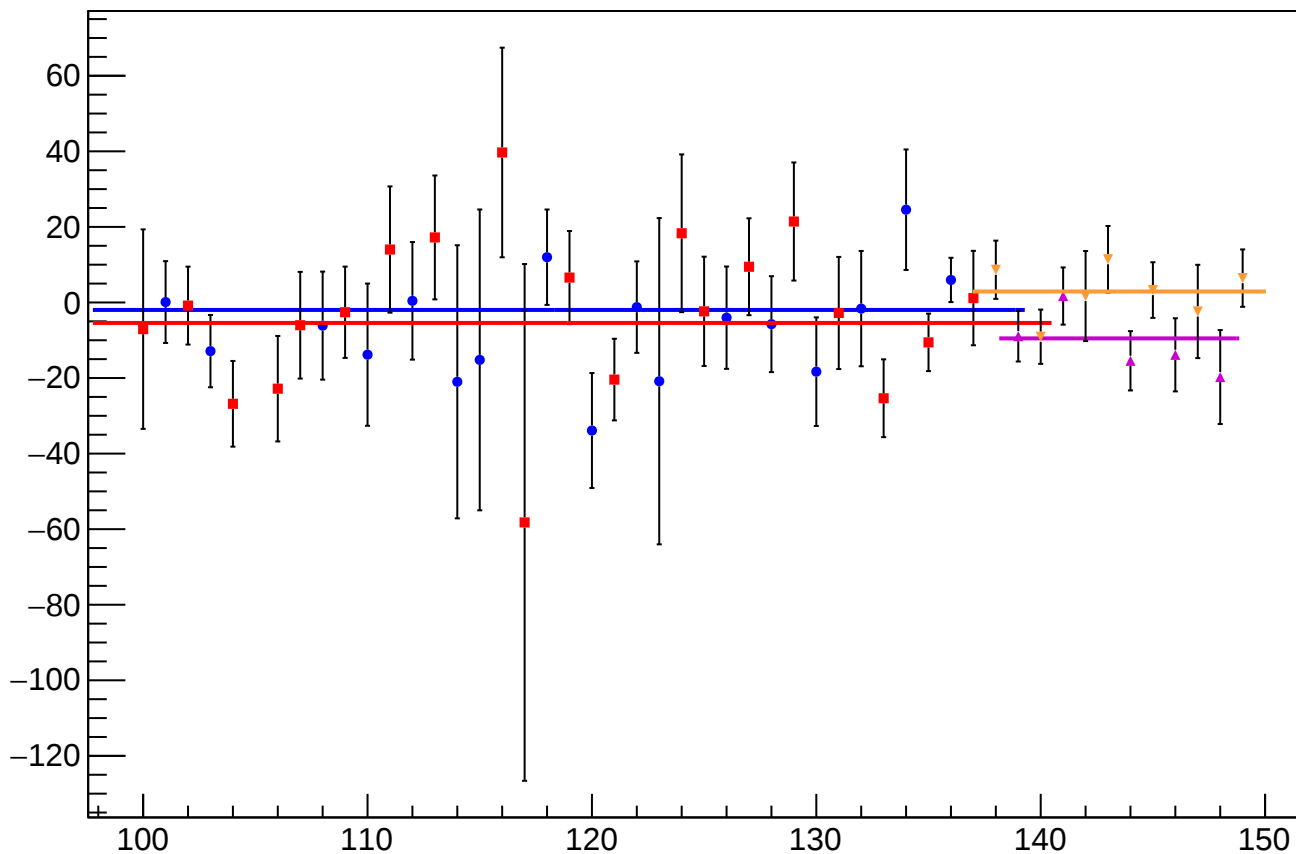
Left In: 9144.228 +/- 3.264 χ^2/NDF : 134156.6/4

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

10911.363 +/- 1.688 χ^2/NDF : 3606001.3/4

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

diff_bpm4acY_mean vs Slug, Sign Corrected



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

Left Out: 2.905+/-3.185 χ^2/NDF : 4.7/6

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

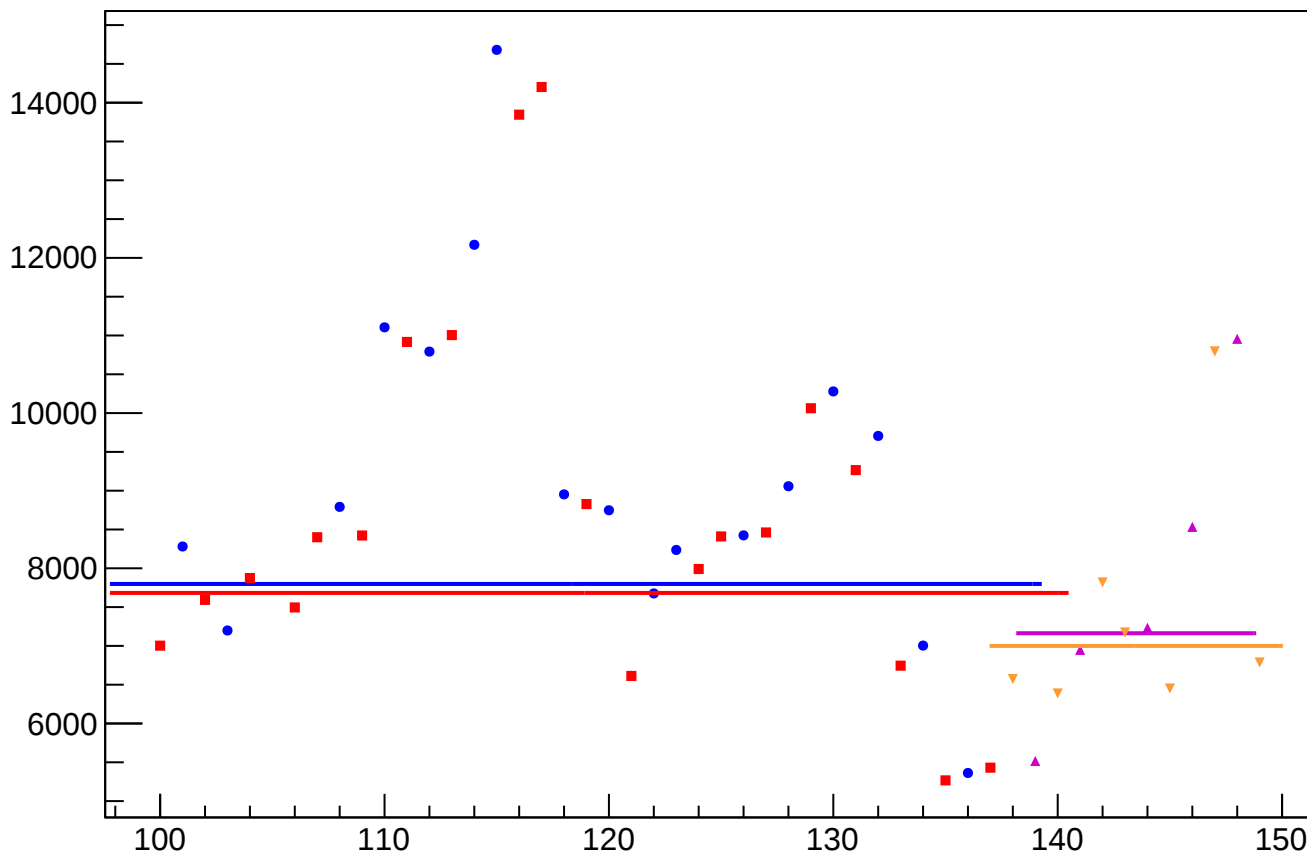
Left In: -9.508+/-3.700 χ^2/NDF : 3.7/4

0.392+/-2.219 χ^2/NDF : 20.0/23

-3.162+/-1.600 χ^2/NDF : 54.6/48

-7.011+/-2.309 χ^2/NDF : 29.3/24

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

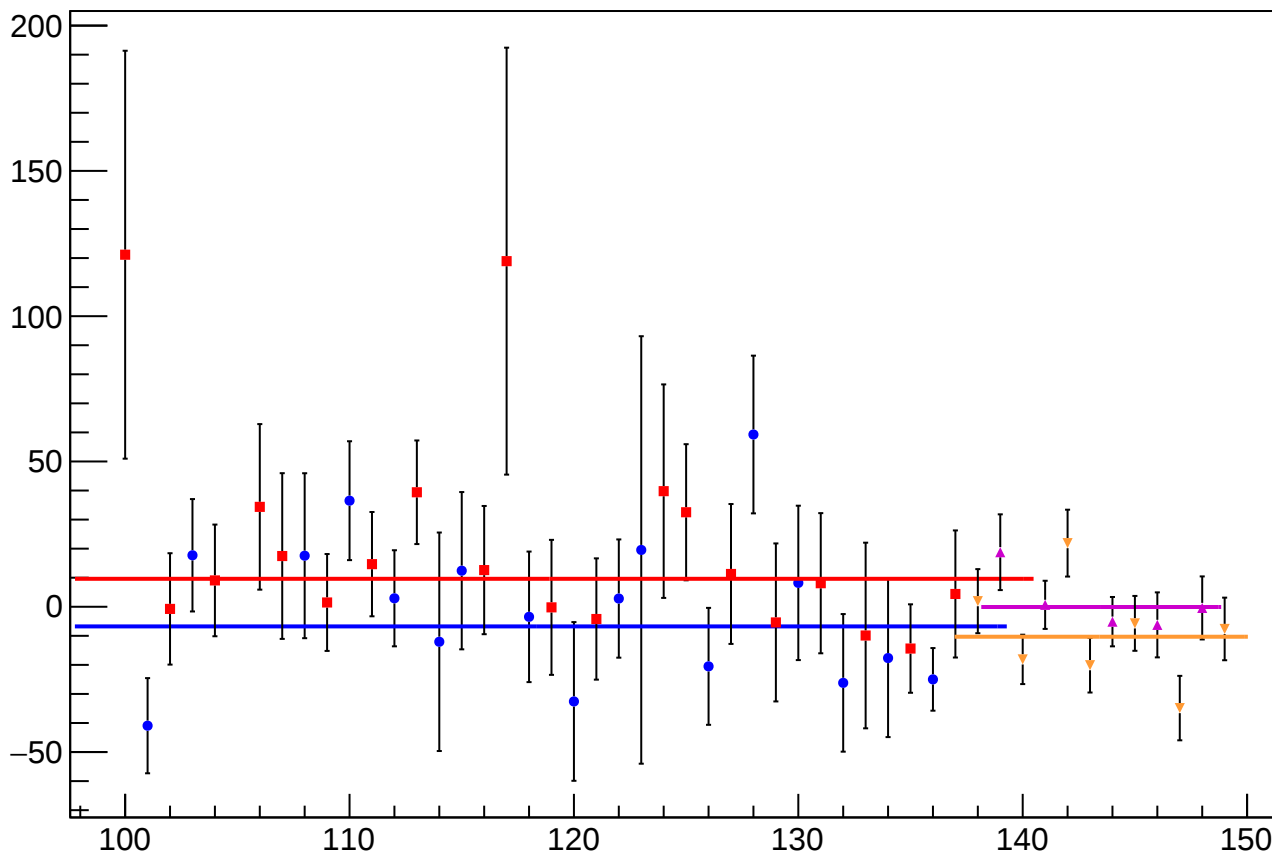
Left In: 7163.251 $\pm$ 2.616 χ^2 /NDF: 348347.5/4

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

7444.104 $\pm$ 1.132 χ^2 /NDF: 2097885.7/48

7480.384 $\pm$ 1.633 χ^2 /NDF: 1063321.4/24

diff_bpm4ecX_mean vs Slug, Sign Corrected



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

Left Out: -10.311 ± 3.809 χ^2/NDF : 16.2/6

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

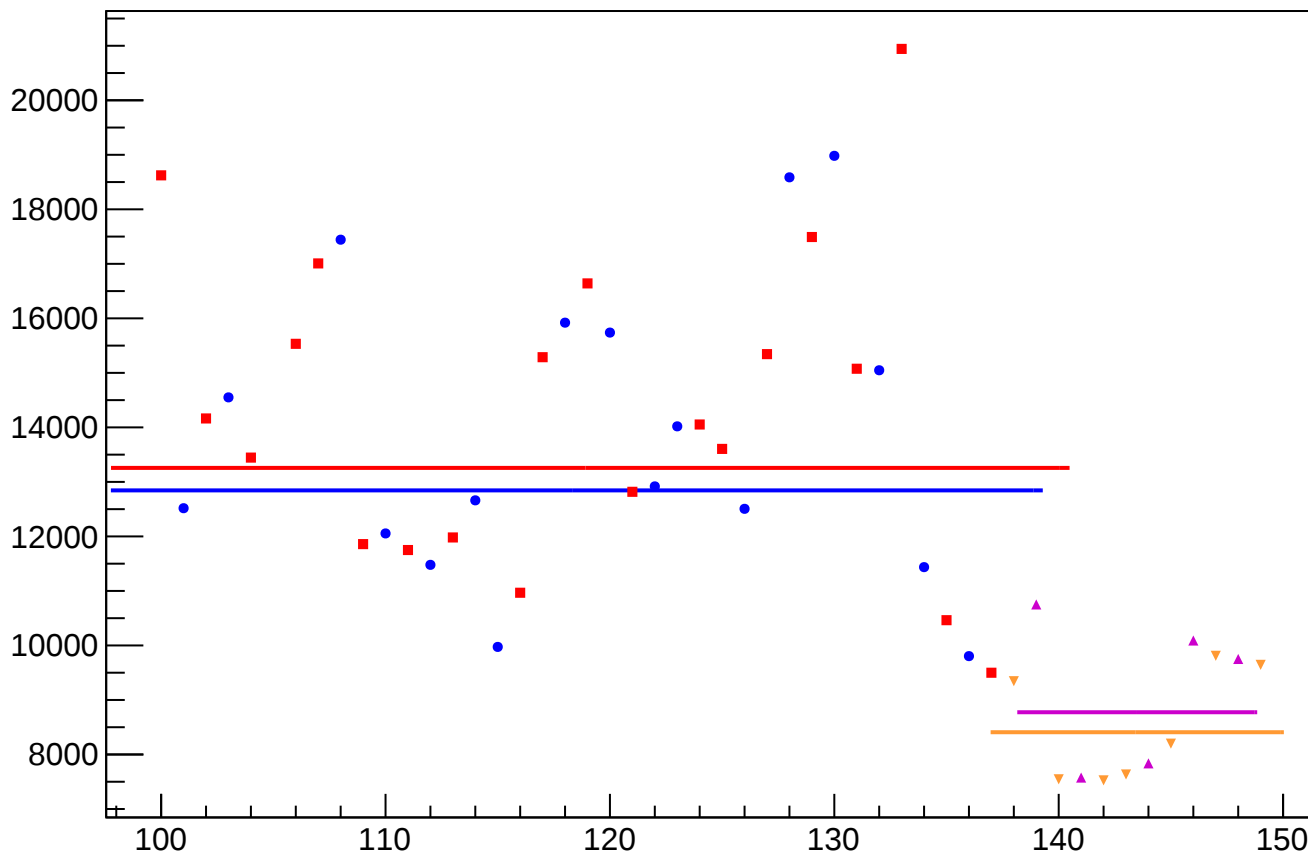
Left In: -0.082 ± 4.436 χ^2/NDF : 2.8/4

-9.034 ± 3.049 χ^2/NDF : 40.2/23

-3.039 ± 2.250 χ^2/NDF : 68.0/48

4.137 ± 3.335 χ^2/NDF : 19.3/24

diff_bpm4ecX_rms vs Slug, Sign Corrected



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

Left Out: 8408.315+/-2.694 χ^2/NDF : 119689.1/6

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

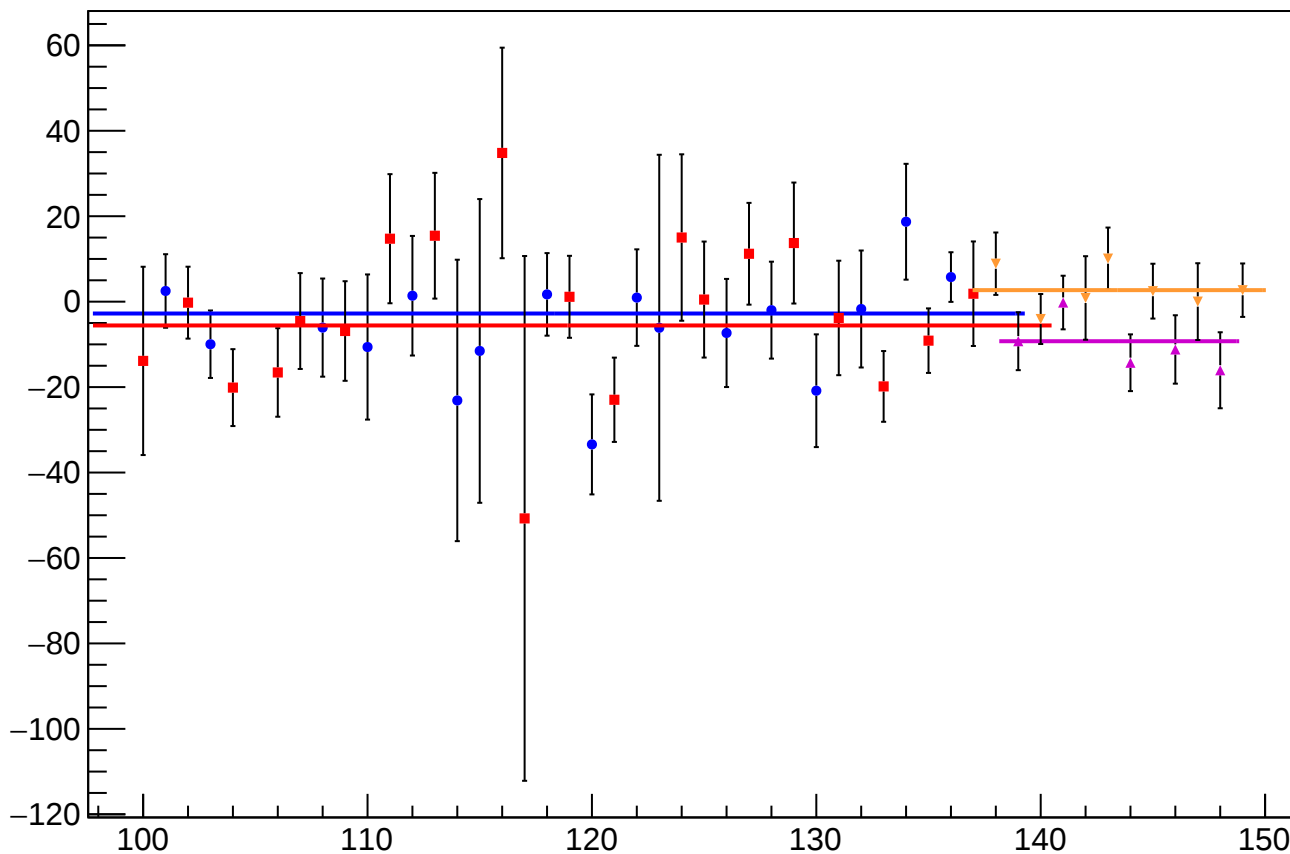
Left In: 8774.784+/-3.137 χ^2/NDF : 156176.3/4

10003.109+/-2.156 χ^2/NDF : 1641939.9/23

10330.980+/-1.591 χ^2/NDF : 3223535.5/4

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

diff_bpm4ecY_mean vs Slug, Sign Corrected



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

Left Out: 2.697 $\pm$ 2.676 χ^2/NDF : 3.2/6

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

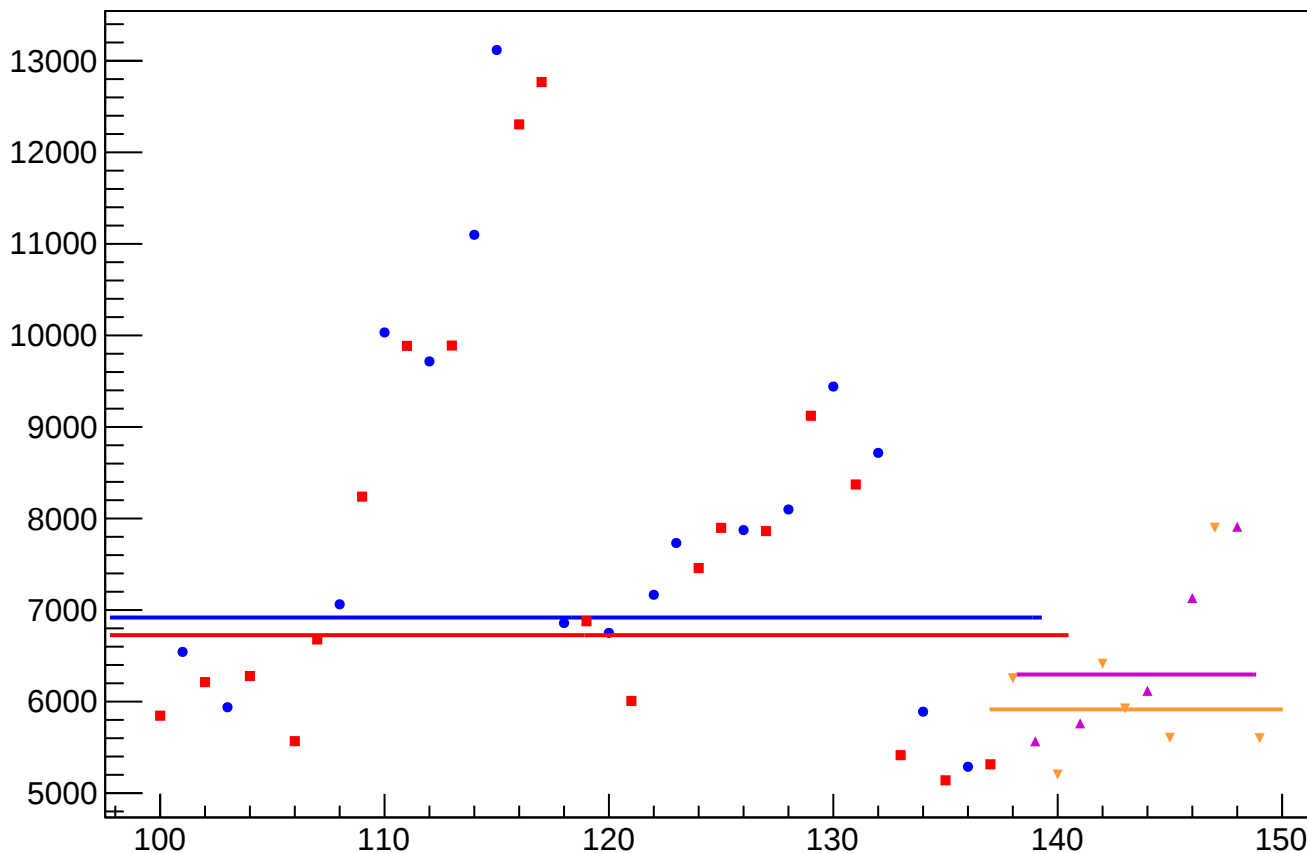
Left In: -9.261 $\pm$ 3.193 χ^2/NDF : 3.3/4

0.017 $\pm$ 1.912 χ^2/NDF : 21.2/23

-3.332 $\pm$ 1.385 χ^2/NDF : 55.4/48

-7.032 $\pm$ 2.009 χ^2/NDF : 27.8/24

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

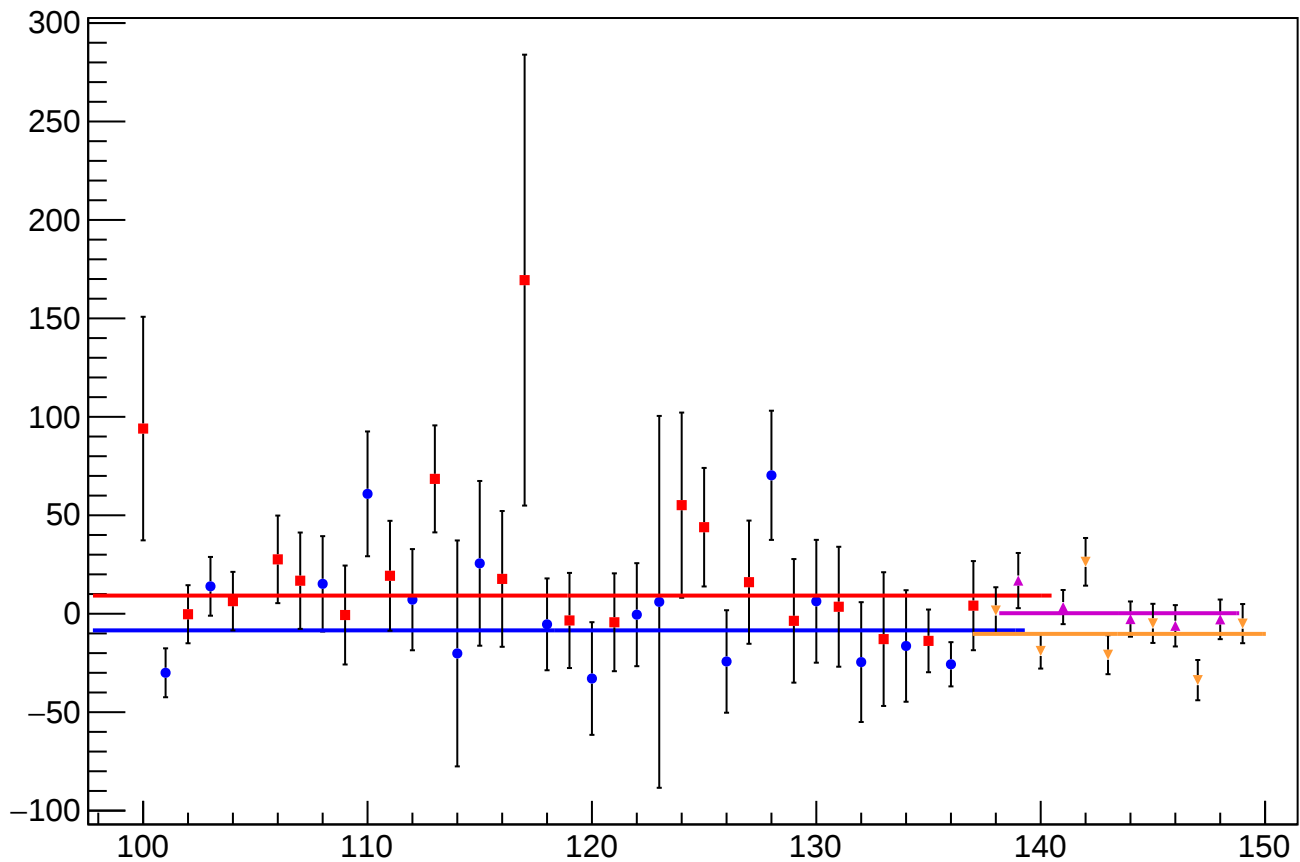
Left In: 6295.861+/-2.258 χ^2/NDF : 126711.7/4

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

6477.186+/-0.979 χ^2/NDF : 1701126.4/48

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

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

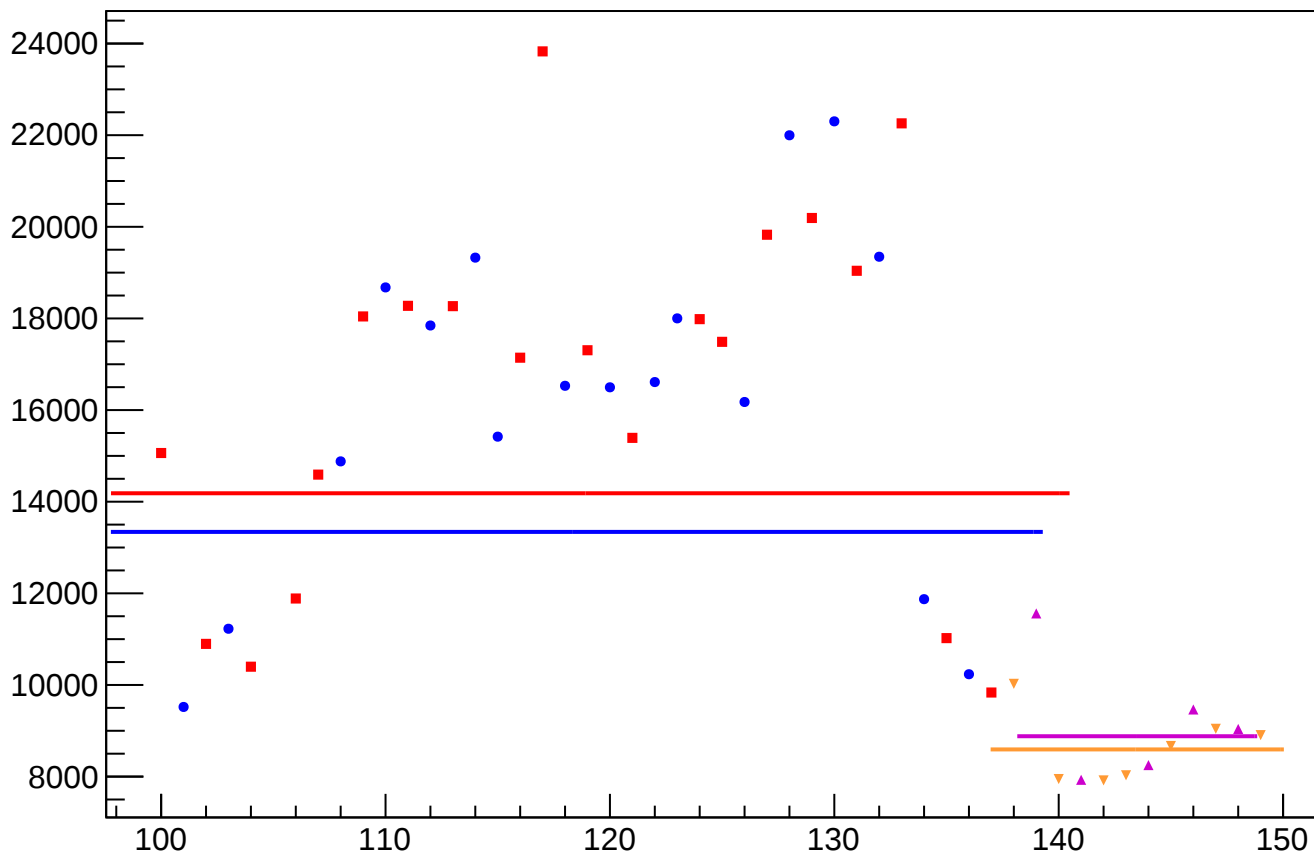
Left In: 0.267 $\pm$ 4.479 χ^2/NDF : 2.1/4

-9.622 $\pm$ 3.149 χ^2/NDF : 40.1/23

-3.551 $\pm$ 2.333 χ^2/NDF : 68.3/48

3.837 $\pm$ 3.473 χ^2/NDF : 19.9/24

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13340.948 $\pm$ 3.813 χ^2/NDF : 1044569.8/16

Left Out: 8593.077 $\pm$ 2.742 χ^2/NDF : 58426.4/6

Right Out: 14184.146 $\pm$ 3.891 χ^2/NDF : 946010.4/19

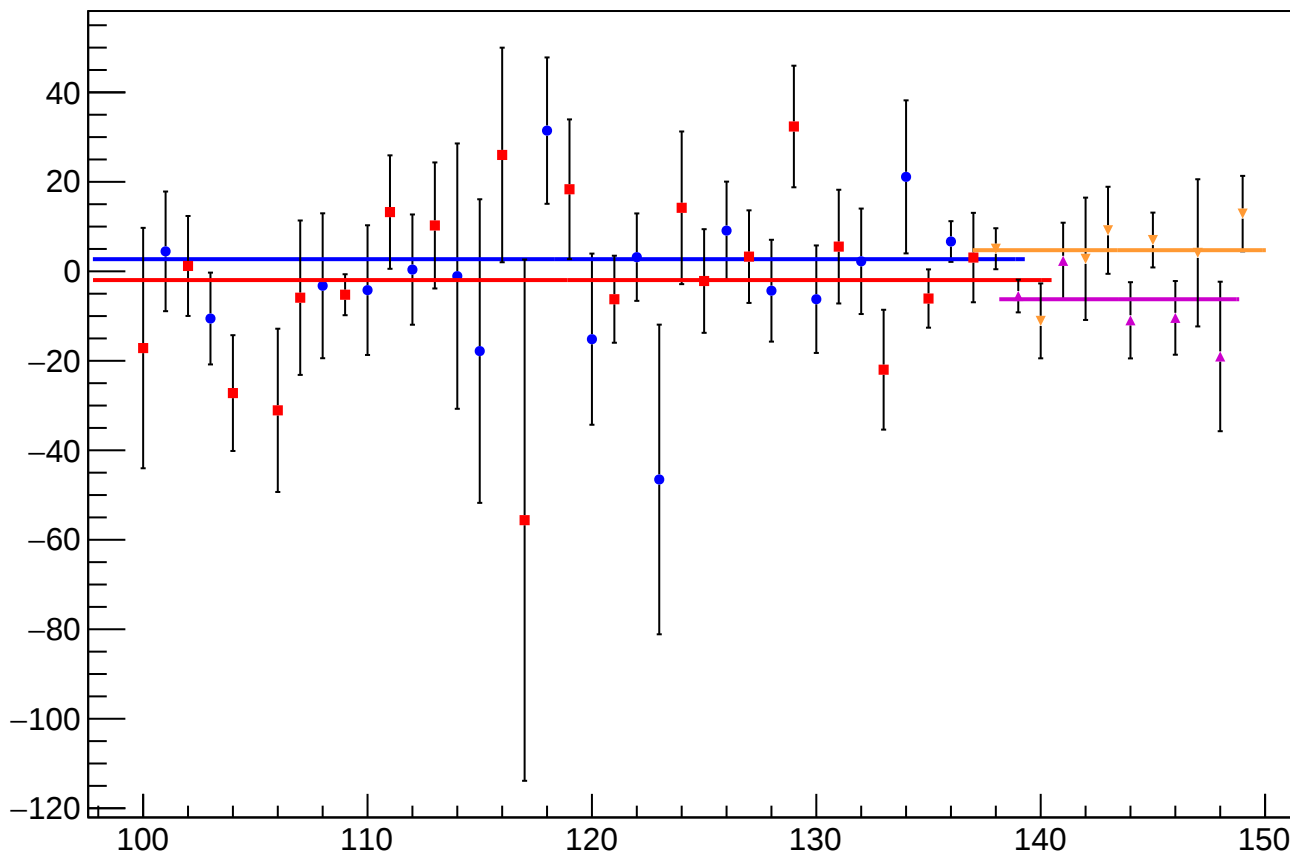
Left In: 8881.039 $\pm$ 3.167 χ^2/NDF : 113796.6/4

10211.573 $\pm$ 2.226 χ^2/NDF : 2124730.7/23

10564.777 $\pm$ 1.650 χ^2/NDF : 4357829.9/4

10994.600 $\pm$ 2.456 χ^2/NDF : 2177307.4/24

diff_bpm1Y_mean vs Slug, Sign Corrected



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

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

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

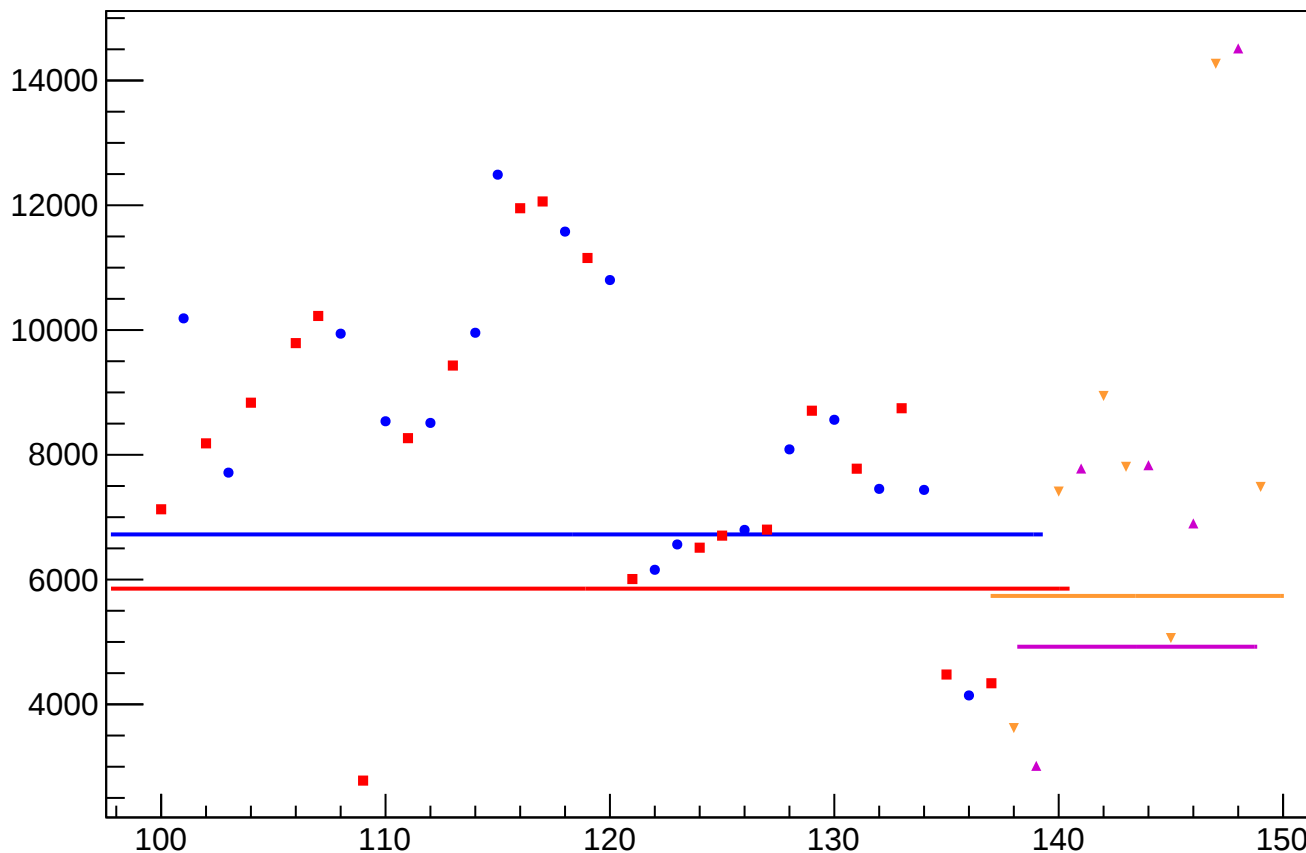
Left In: -6.239 $\pm$ 2.878 χ^2/NDF : 2.2/4

3.683 $\pm$ 1.983 χ^2/NDF : 16.8/23

-0.269 $\pm$ 1.357 χ^2/NDF : 52.1/48

-3.744 $\pm$ 1.860 χ^2/NDF : 27.9/24

diff_bpm1Y_rms vs Slug, Sign Corrected



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

Left Out: 5737.924 $\pm$ 2.022 χ^2/NDF : 1356379.4/6

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

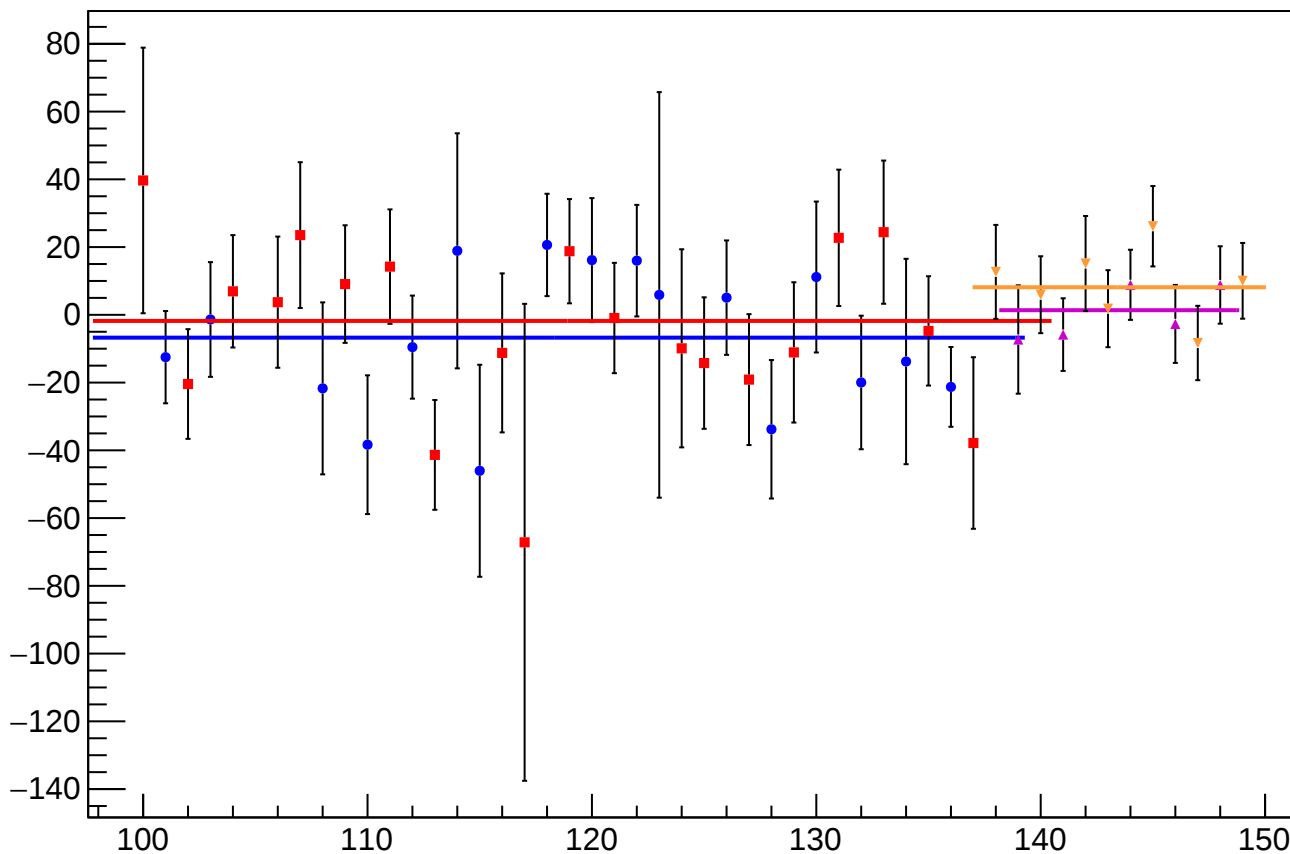
Left In: 4923.763 $\pm$ 2.035 χ^2/NDF : 1777925.4/4

6249.825 $\pm$ 1.402 χ^2/NDF : 2871873.4/23

5832.813 $\pm$ 0.959 χ^2/NDF : 7237877.8/48

5466.028 $\pm$ 1.315 χ^2/NDF : 4199766.5/24

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

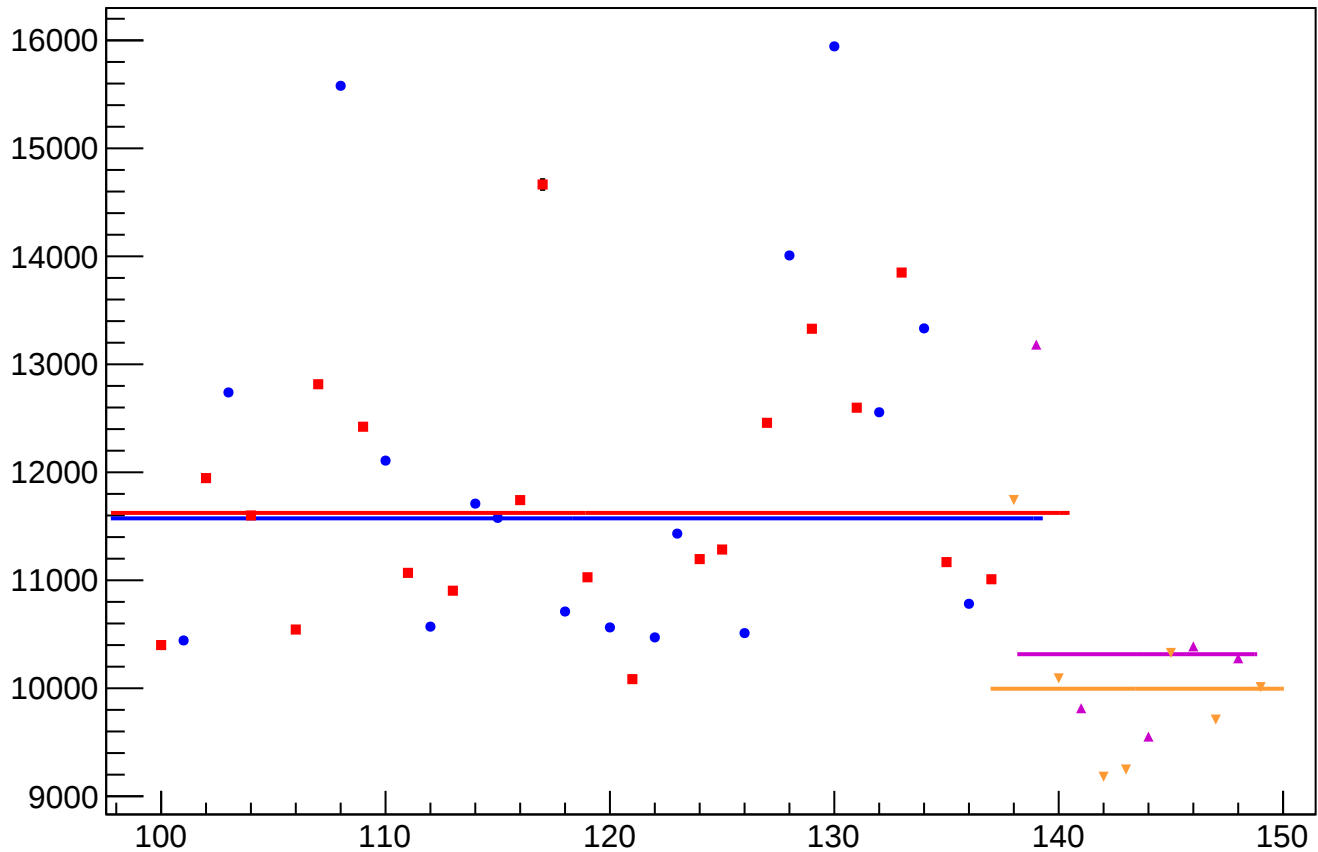
Left In: 1.365 $\pm$ 5.188 χ^2/NDF : 1.8/4

0.707 $\pm$ 3.190 χ^2/NDF : 27.6/23

0.136 $\pm$ 2.307 χ^2/NDF : 50.5/48

-0.490 $\pm$ 3.340 χ^2/NDF : 22.9/24

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

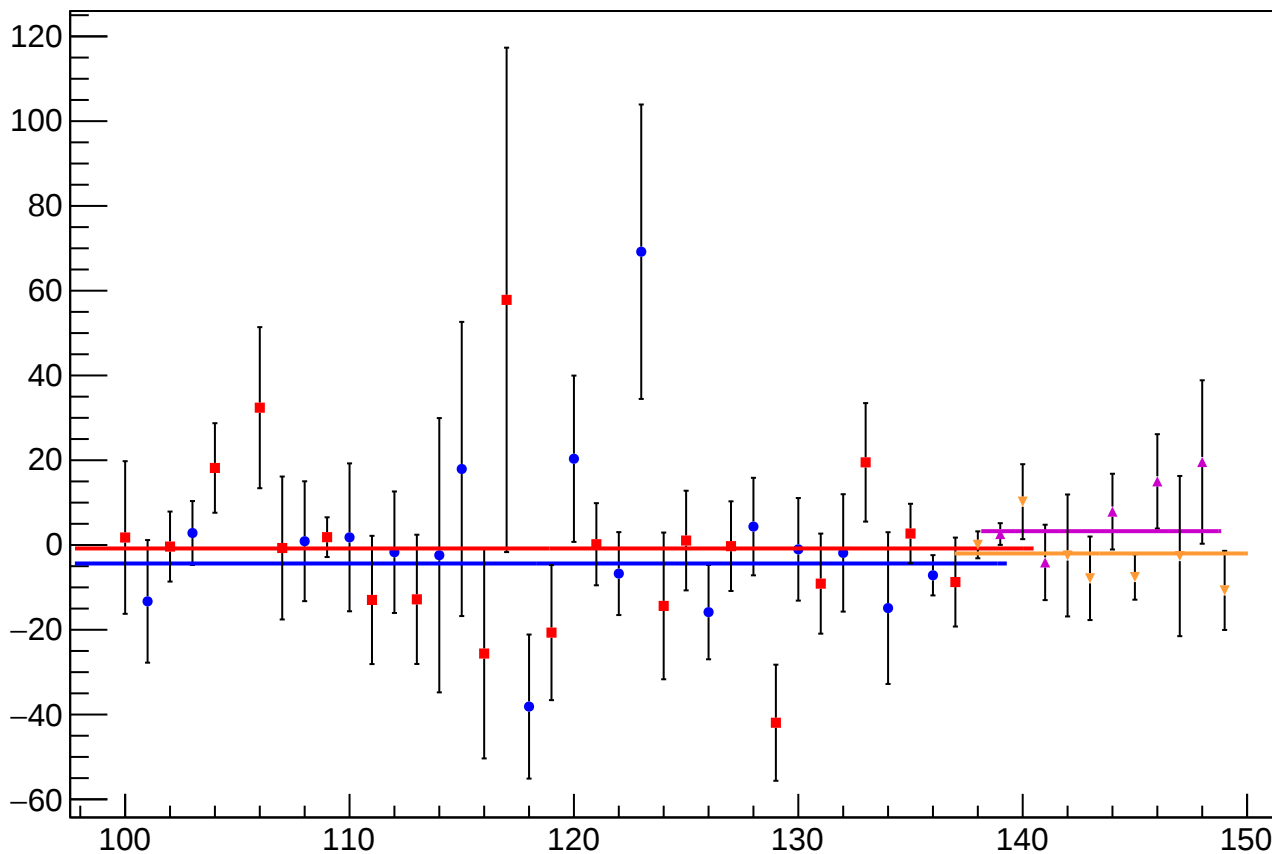
Left In: 10315.501 $\pm$ 3.669 χ^2/NDF : 79609.0/4

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

10926.098 $\pm$ 1.631 χ^2/NDF : 671747.0/48

11081.789 $\pm$ 2.361 χ^2/NDF : 252164.0/24

diff_bpm11Y_mean vs Slug, Sign Corrected



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

Left Out: -1.997 ± 2.383 χ^2/NDF : 4.6/6

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

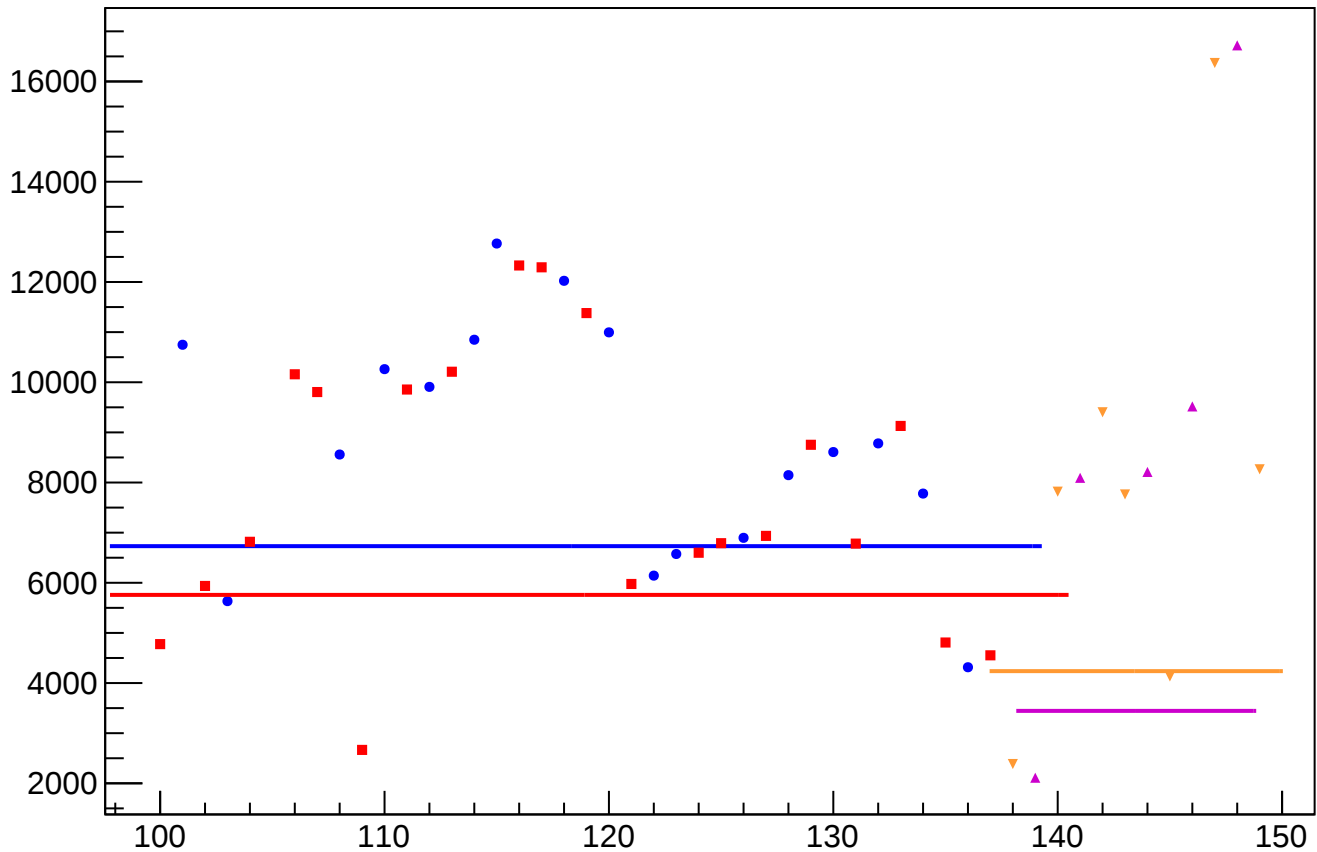
Left In: 3.264 ± 2.304 χ^2/NDF : 2.9/4

-3.000 ± 1.808 χ^2/NDF : 19.6/23

-0.665 ± 1.227 χ^2/NDF : 51.5/48

1.327 ± 1.670 χ^2/NDF : 28.9/24

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

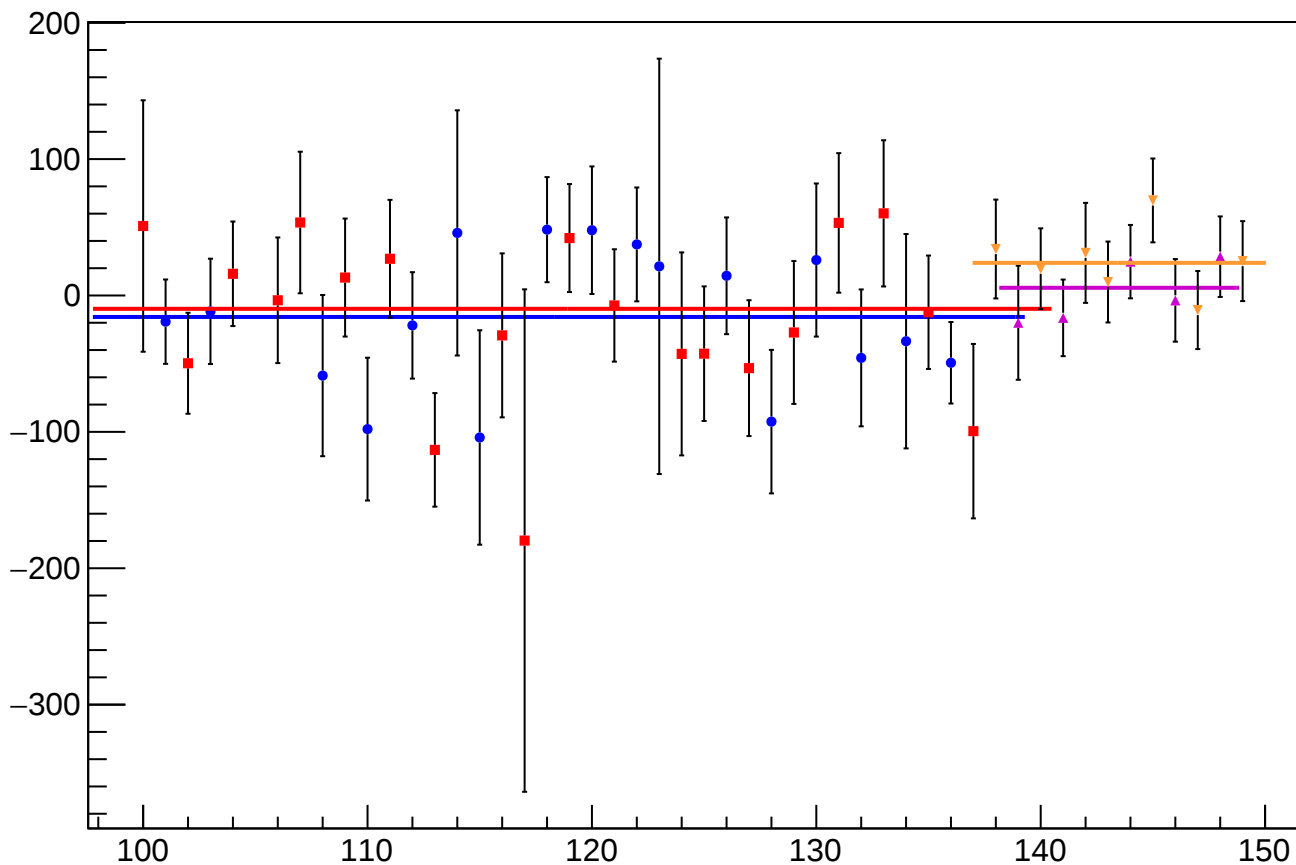
Left In: 3444.834+/-1.629 χ^2/NDF : 3201307.4/4

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

4889.201+/-0.867 χ^2/NDF : 11624313.8/4

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

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

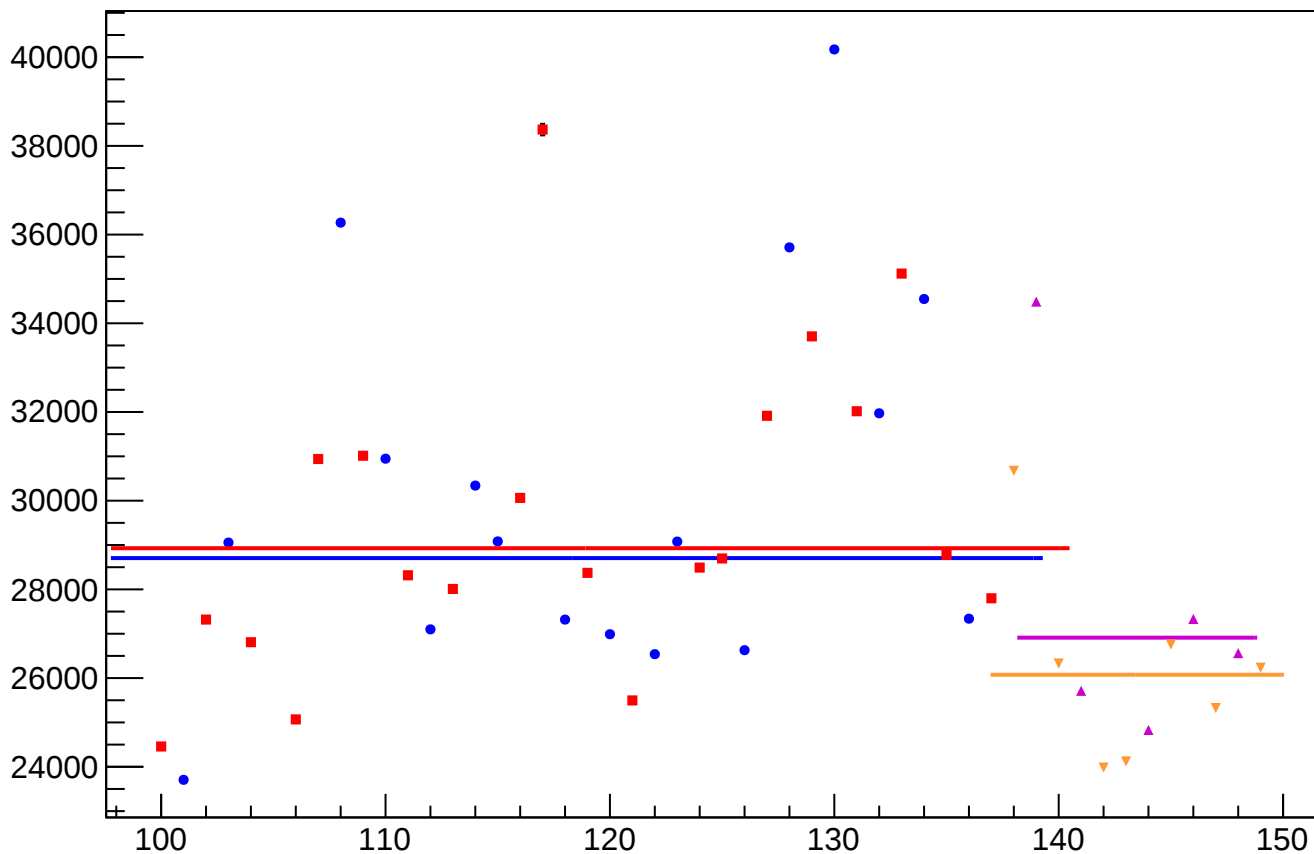
Left In: 5.642 $\pm$ 13.538 χ^2 /NDF: 2.2/4

3.124 $\pm$ 8.115 χ^2 /NDF: 25.9/23

-0.154 $\pm$ 5.862 χ^2 /NDF: 49.4/48

-3.731 $\pm$ 8.476 χ^2 /NDF: 23.1/24

diff_bpm12X_rms vs Slug, Sign Corrected



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

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

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

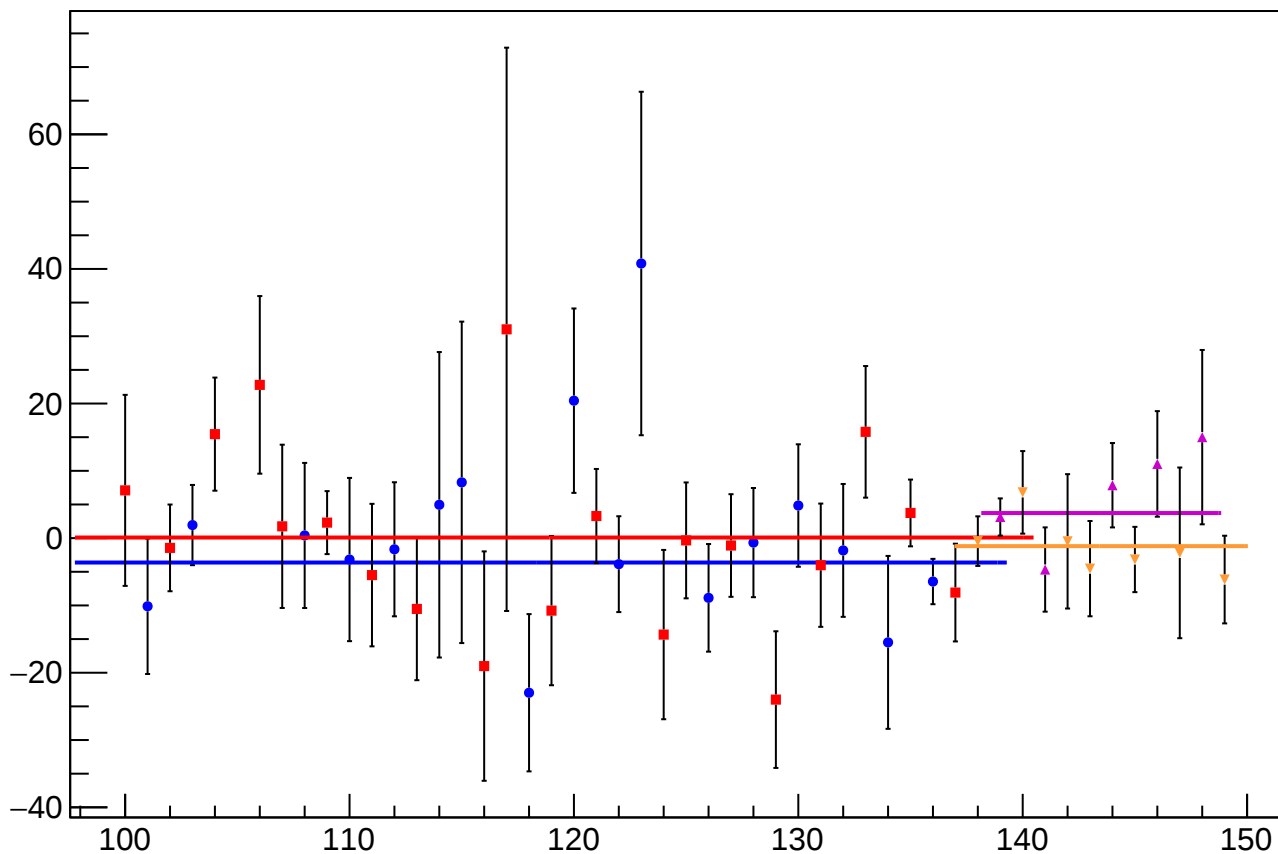
Left In: 26911.394+/-9.573 χ^2/NDF : 81915.2/4

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

27781.134+/-4.145 χ^2/NDF : 585533.4/48

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

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.625 $\pm$ 2.006 χ^2/NDF : 13.7/16

Left Out: -1.191 $\pm$ 2.222 χ^2/NDF : 2.7/6

Right Out: 0.090 $\pm$ 1.888 χ^2/NDF : 22.6/19

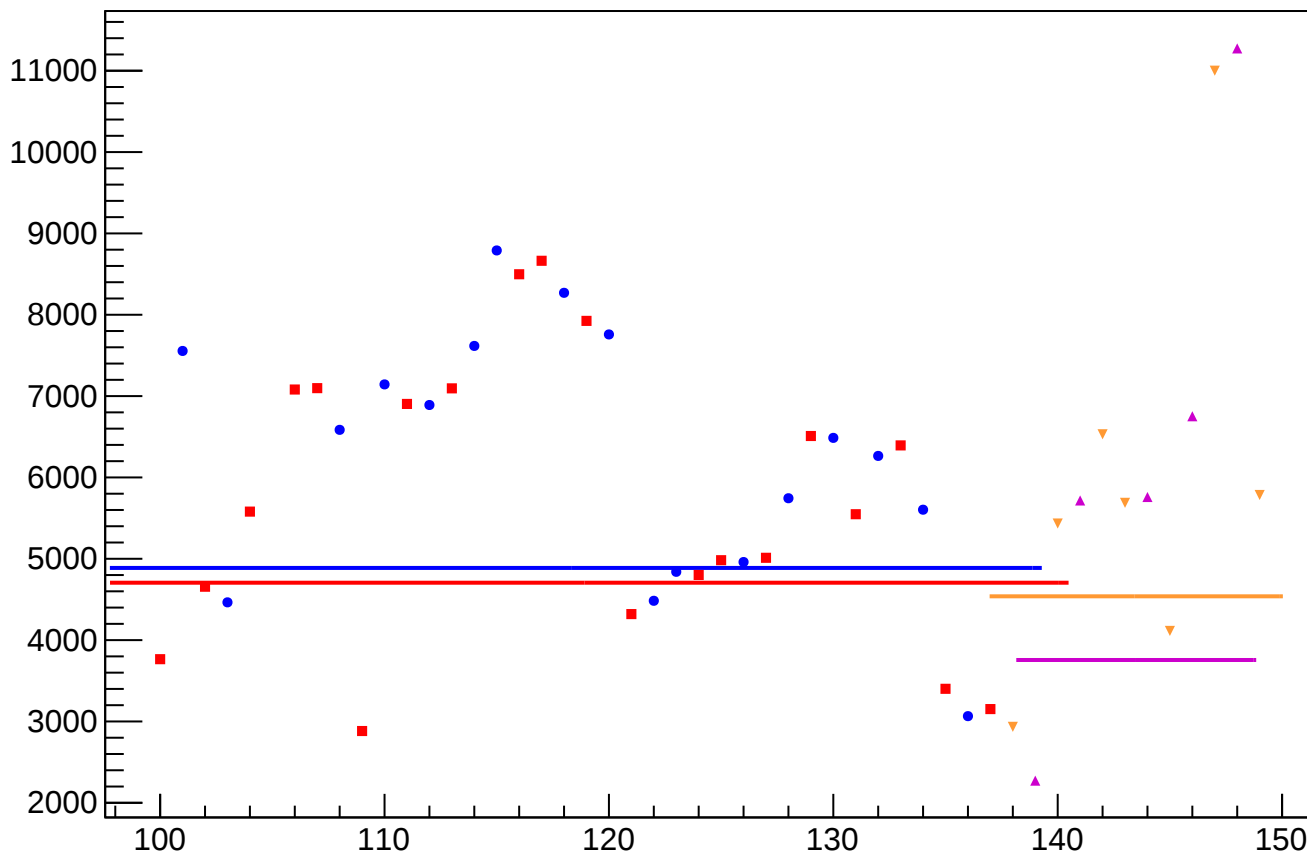
Left In: 3.730 $\pm$ 2.212 χ^2/NDF : 3.9/4

-2.532 $\pm$ 1.489 χ^2/NDF : 17.1/23

-0.379 $\pm$ 1.034 χ^2/NDF : 49.3/48

1.624 $\pm$ 1.436 χ^2/NDF : 28.1/24

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

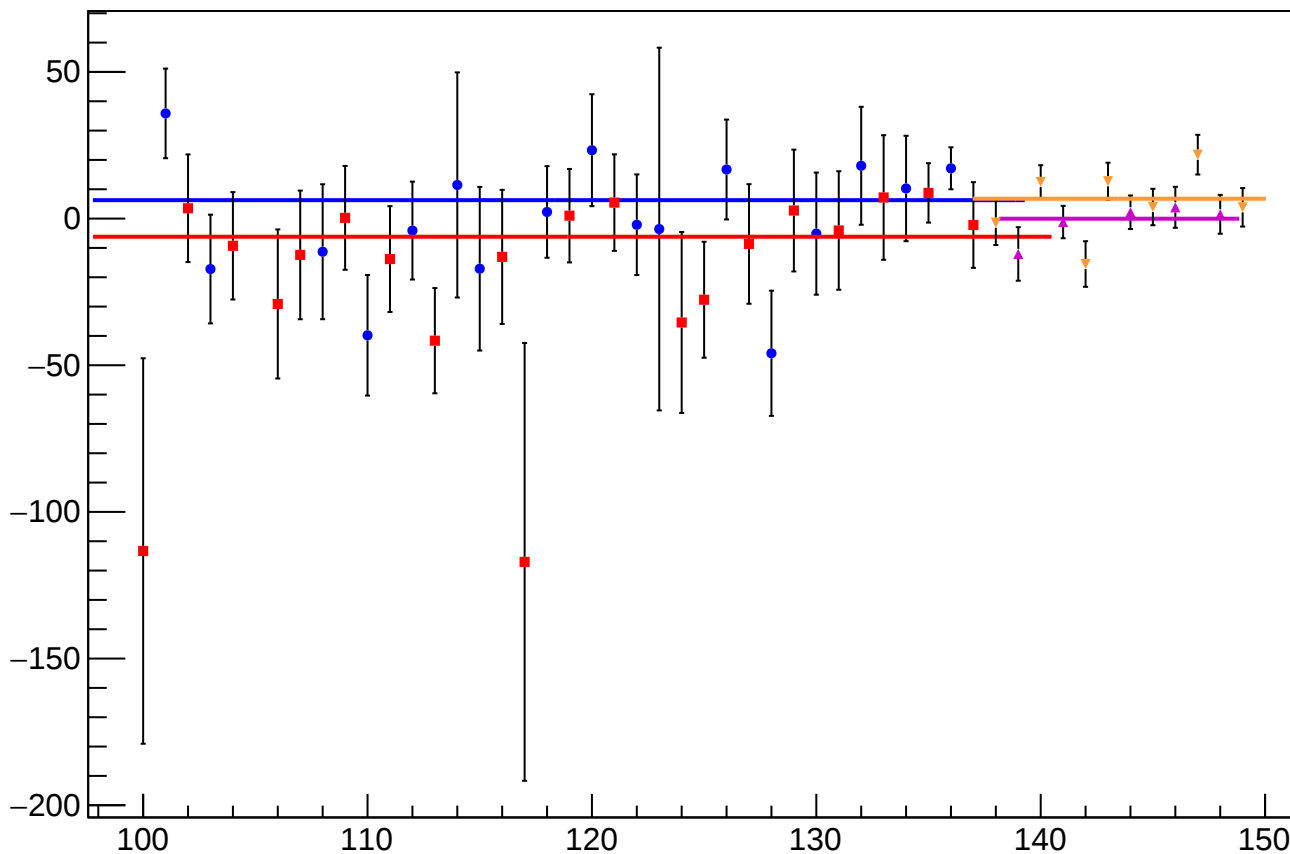
Left In: 3755.685+/-1.564 χ^2/NDF : 1943257.8/4

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

4510.427+/-0.731 χ^2/NDF : 6170927.6/48

4305.431+/-1.016 χ^2/NDF : 3487725.5/24

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

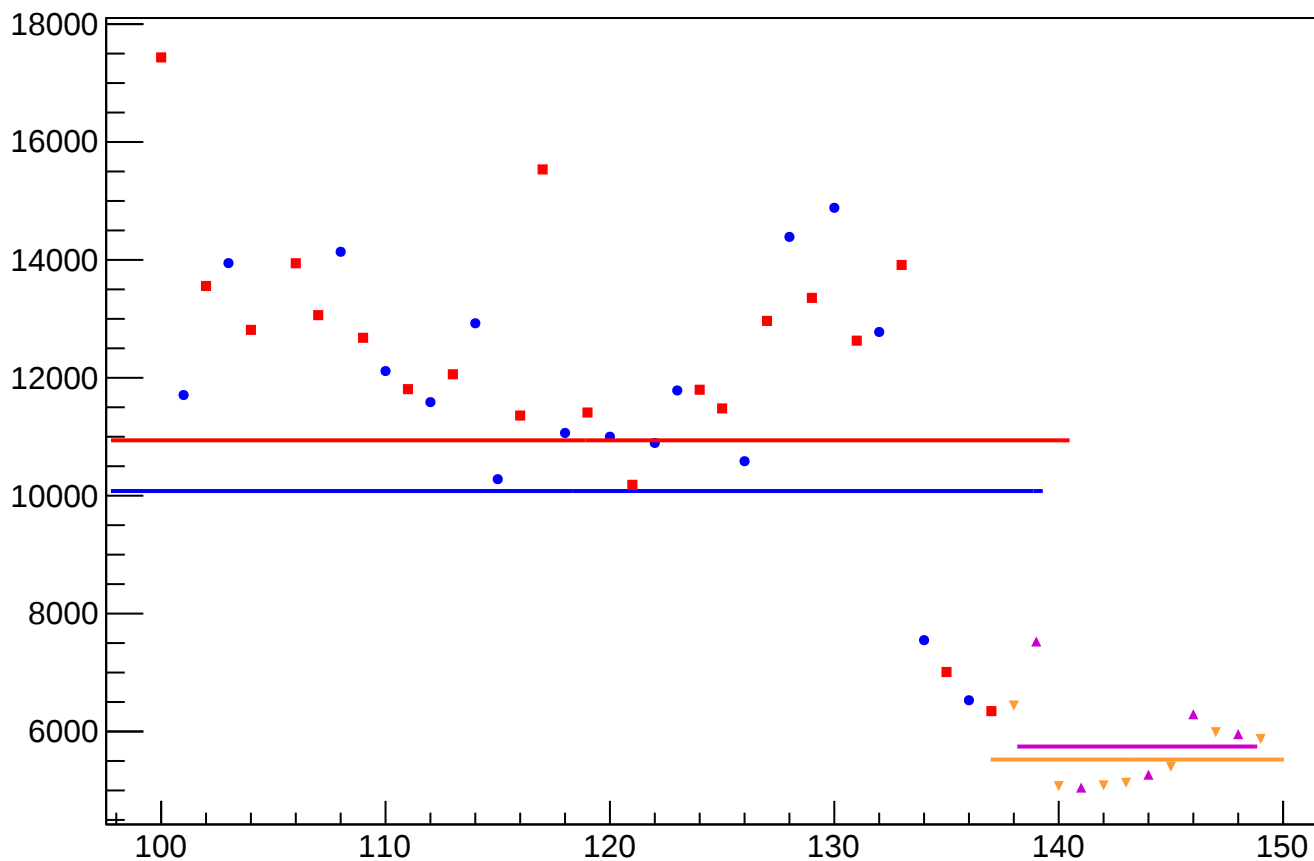
Left In: -0.040 $\pm$ 2.901 χ^2/NDF : 2.3/4

6.647 $\pm$ 2.127 χ^2/NDF : 39.1/23

2.817 $\pm$ 1.589 χ^2/NDF : 66.2/48

-2.016 $\pm$ 2.389 χ^2/NDF : 19.7/24

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

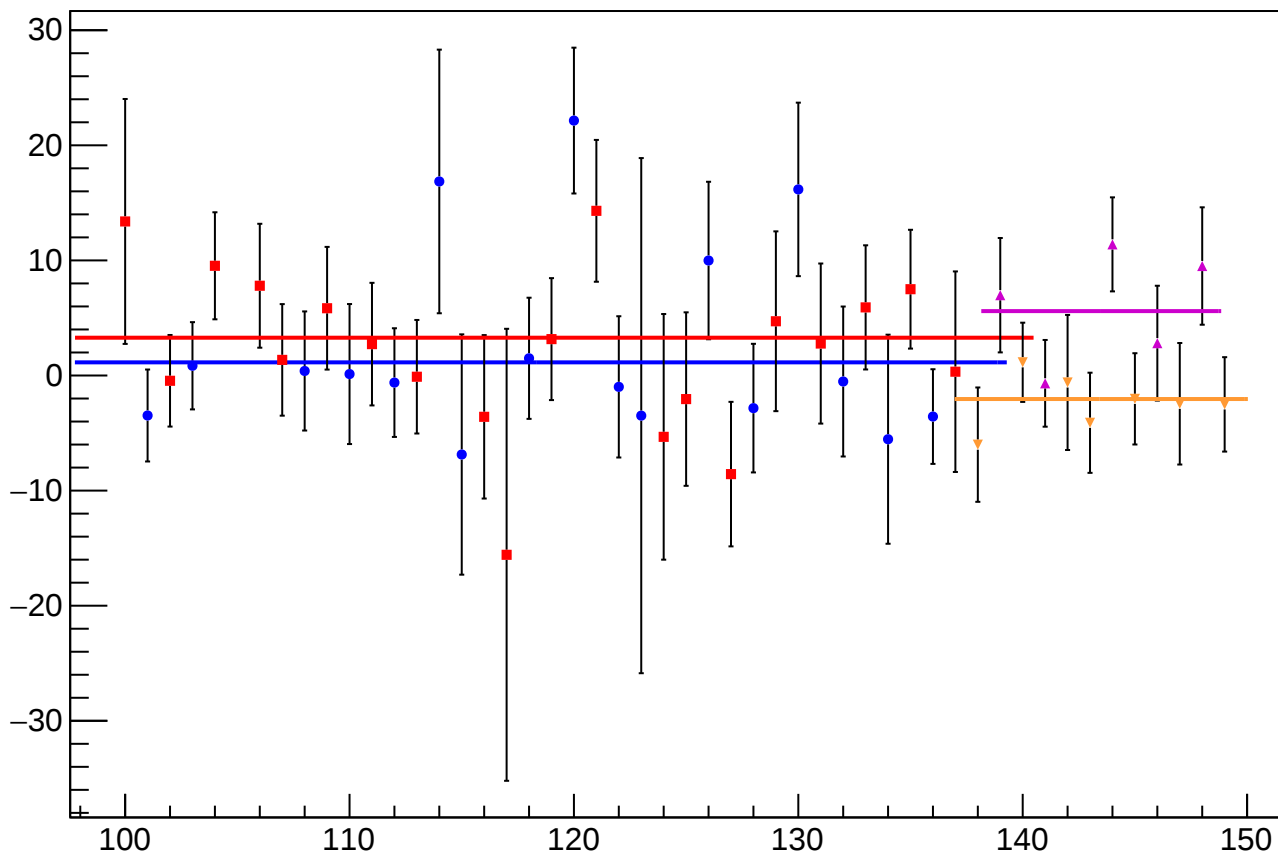
Left In: 5744.732 $\pm$ 2.052 χ^2/NDF : 136418.5/4

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

7056.408 $\pm$ 1.123 χ^2/NDF : 5947588.0/48

7416.072 $\pm$ 1.690 χ^2/NDF : 2975259.4/24

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

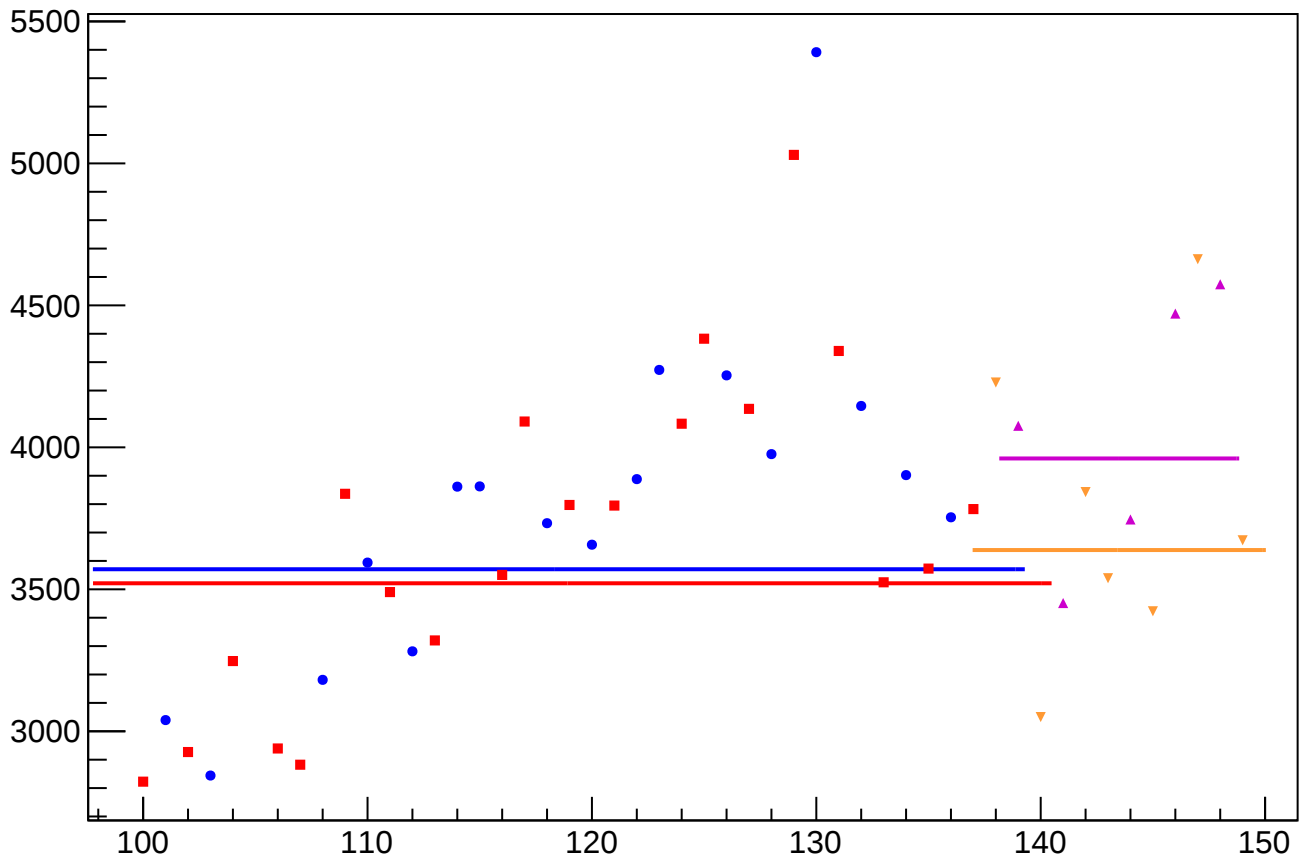
Left In: 5.595 $\pm$ 2.002 χ^2/NDF : 5.8/4

-0.183 $\pm$ 1.066 χ^2/NDF : 27.2/23

1.825 $\pm$ 0.768 χ^2/NDF : 57.3/48

3.992 $\pm$ 1.108 χ^2/NDF : 22.7/24

diff_bpm16Y_rms vs Slug, Sign Corrected



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

Left Out: 3638.316 $\pm$ 1.169 χ^2 /NDF:171449.4/6

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

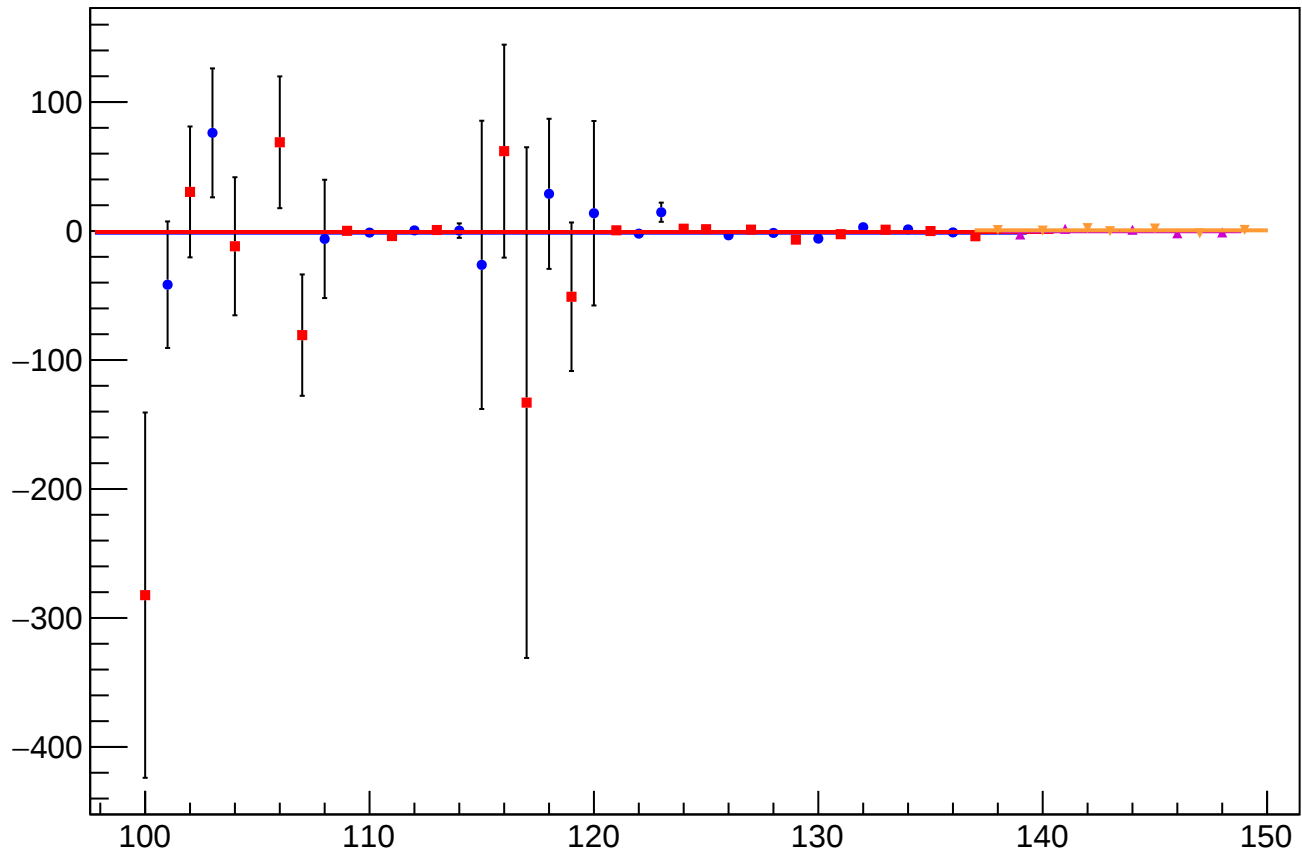
Left In: 3960.826 $\pm$ 1.416 χ^2 /NDF:92996.5/4

3598.825 $\pm$ 0.754 χ^2 /NDF: 482970.6/23

3626.253 $\pm$ 0.543 χ^2 /NDF: 940533.2/48

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

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

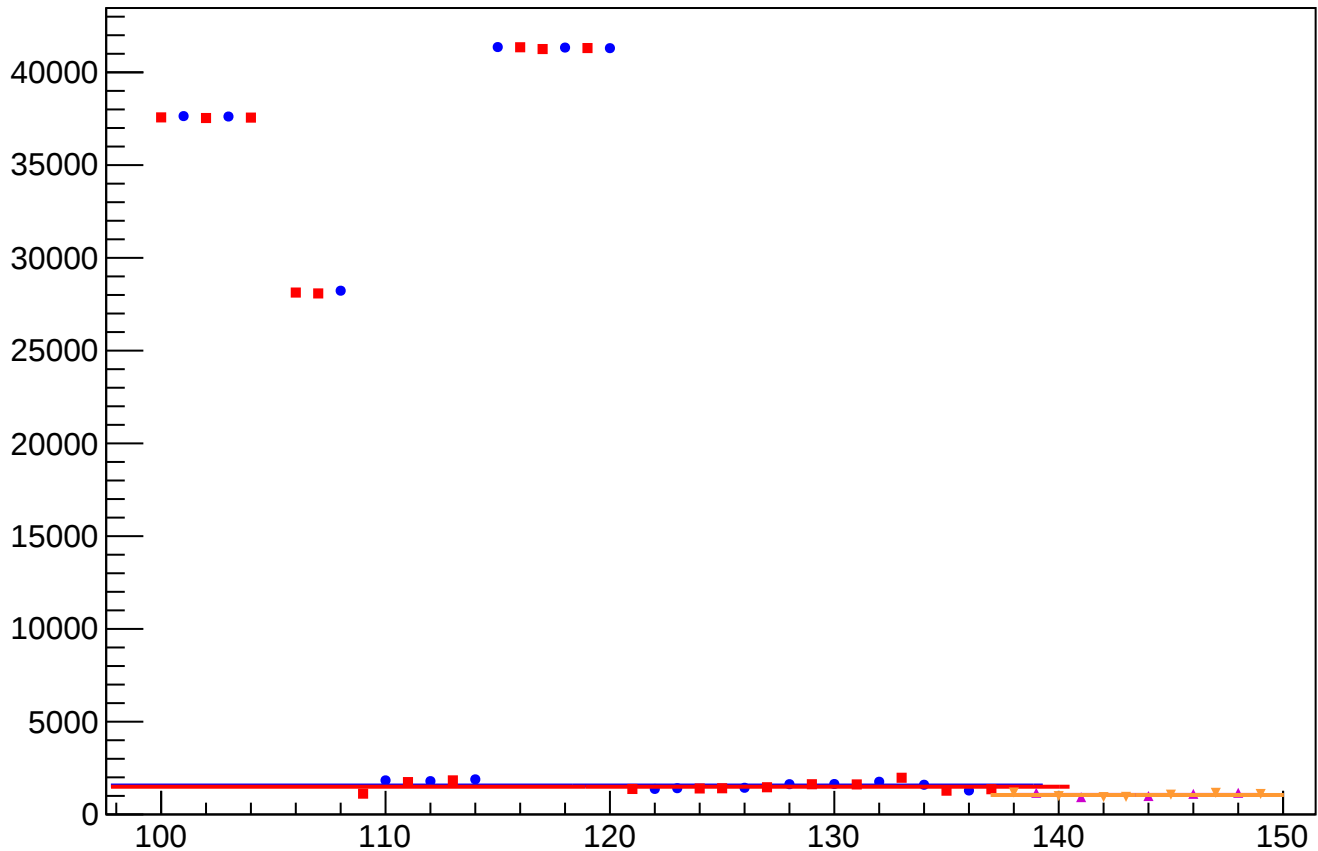
Left In: -0.175 ± 0.530 χ^2/NDF : 9.7/4

0.027 ± 0.400 χ^2/NDF : 27.0/23

-0.162 ± 0.291 χ^2/NDF : 60.0/48

-0.375 ± 0.425 χ^2/NDF : 32.6/24

diff_bpm1p02bX_rms vs Slug, Sign Corrected



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

Left Out: 1049.373 $\pm$ 0.335 χ^2 /NDF: 72139.7/6

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

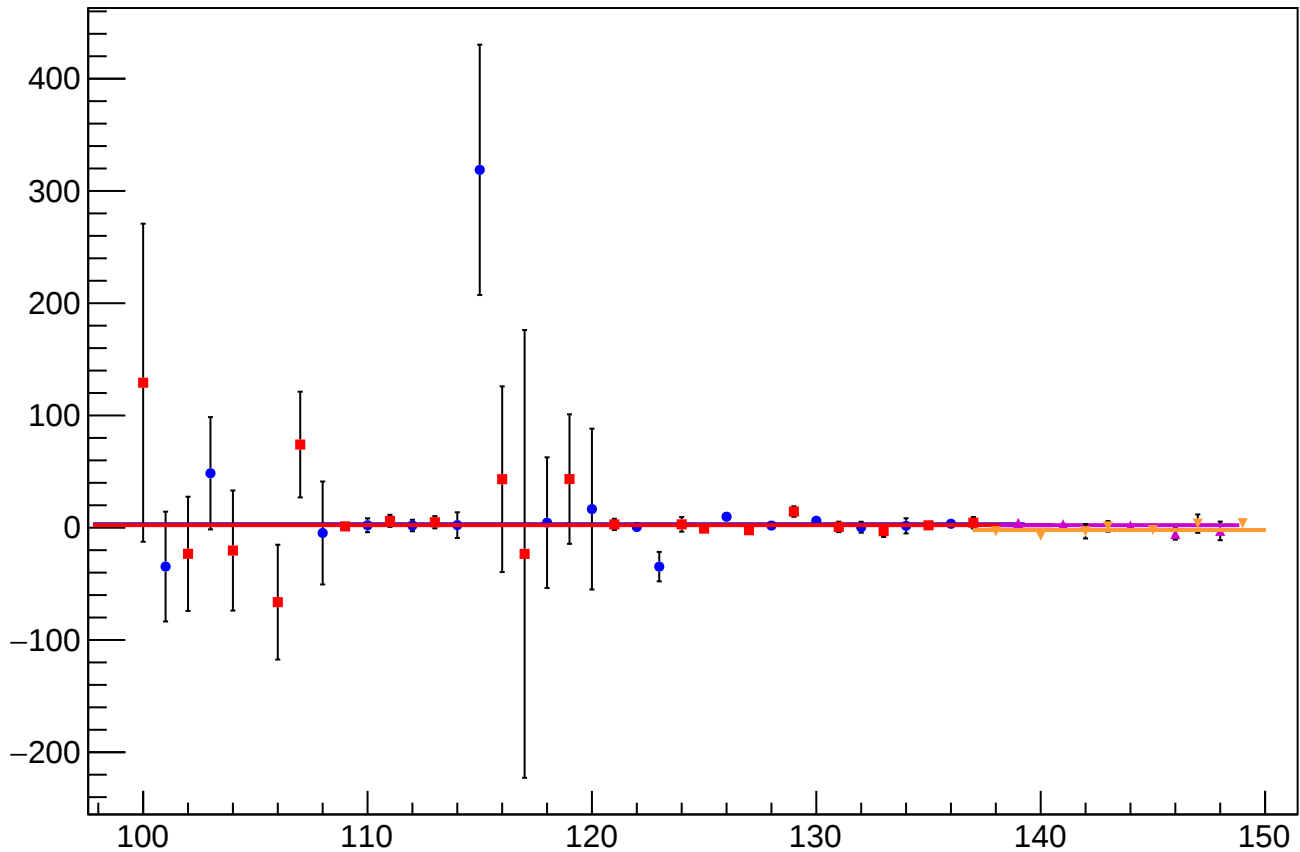
Left In: 1053.226 $\pm$ 0.375 χ^2 /NDF: 66262.6/4

1195.189 $\pm$ 0.283 χ^2 /NDF: 5488779.7/23

1202.769 $\pm$ 0.206 χ^2 /NDF: 11027346.6/4

1211.318 $\pm$ 0.300 χ^2 /NDF: 5537038.9/24

diff_bpm1p02bY_mean vs Slug, Sign Corrected



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

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

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

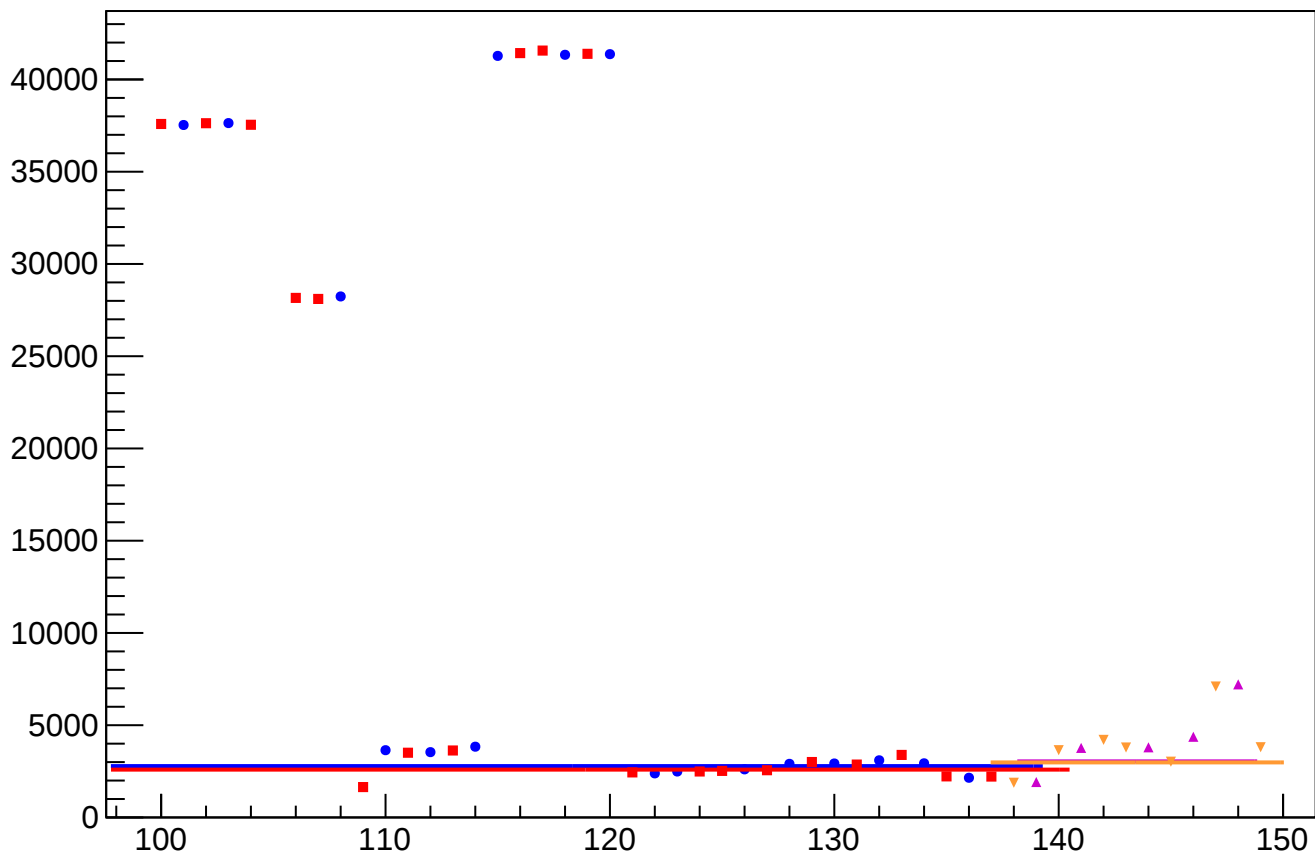
Left In: 2.272+/-1.692 χ^2/NDF : 3.5/4

0.760+/-0.979 χ^2/NDF : 33.5/23

1.512+/-0.699 χ^2/NDF : 55.1/48

2.293+/-0.997 χ^2/NDF : 20.4/24

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2783.989 $\pm$ 0.936 χ^2 /NDF: 4577424.2/16

Left Out: 2983.418 $\pm$ 1.028 χ^2 /NDF:1240426.7/6

Right Out: 2592.654 $\pm$ 0.873 χ^2 /NDF: 4923077.9/19

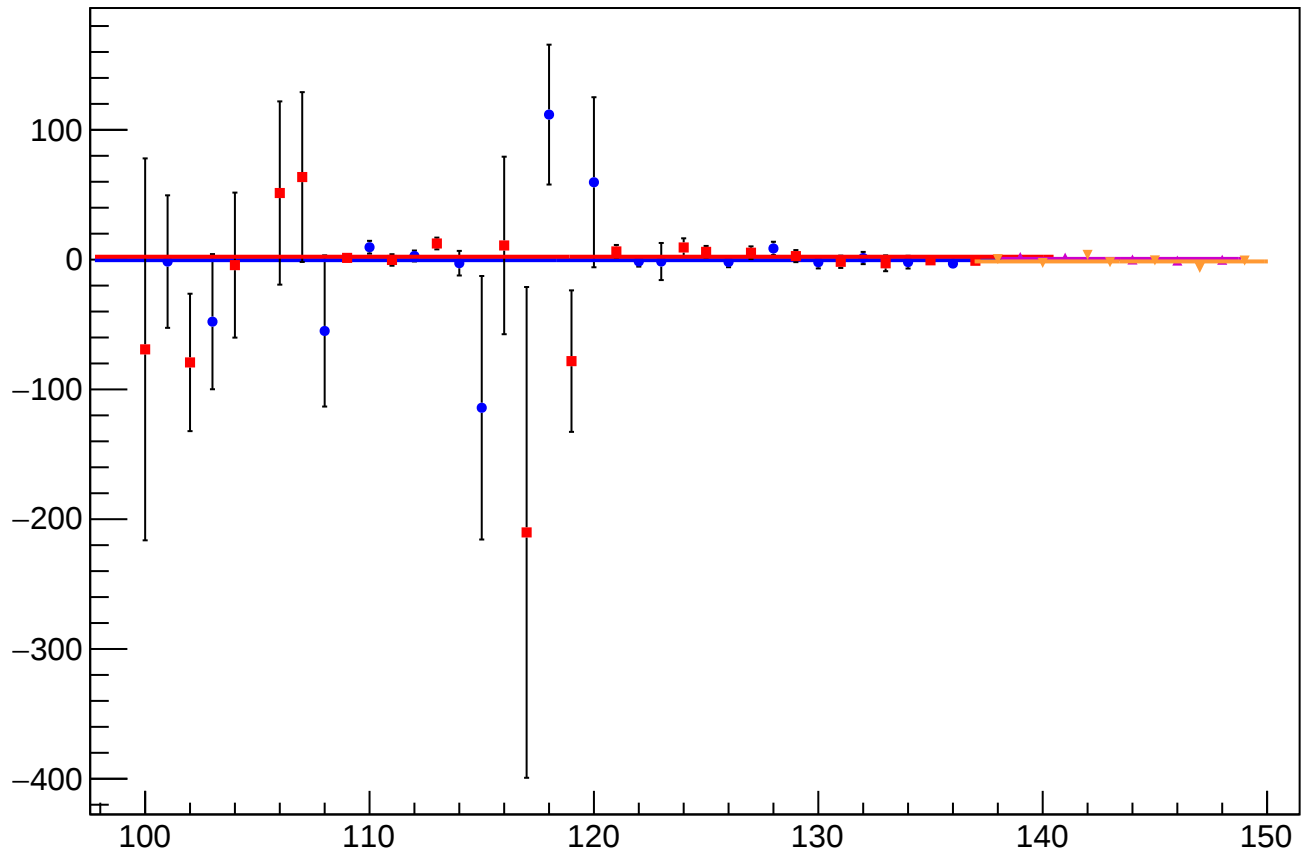
Left In: 3040.025 $\pm$ 1.197 χ^2 /NDF:1223817.3/4

2874.333 $\pm$ 0.692 χ^2 /NDF: 5838431.4/23

2812.386 $\pm$ 0.494 χ^2 /NDF: 12092896.4/4

2748.051 $\pm$ 0.705 χ^2 /NDF: 6238128.6/24

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -0.403 $\pm$ 1.218 χ^2/NDF : 18.3/16

Left Out: -1.383 $\pm$ 0.711 χ^2/NDF : 13.3/6

Right Out: 2.235 $\pm$ 1.246 χ^2/NDF : 18.7/19

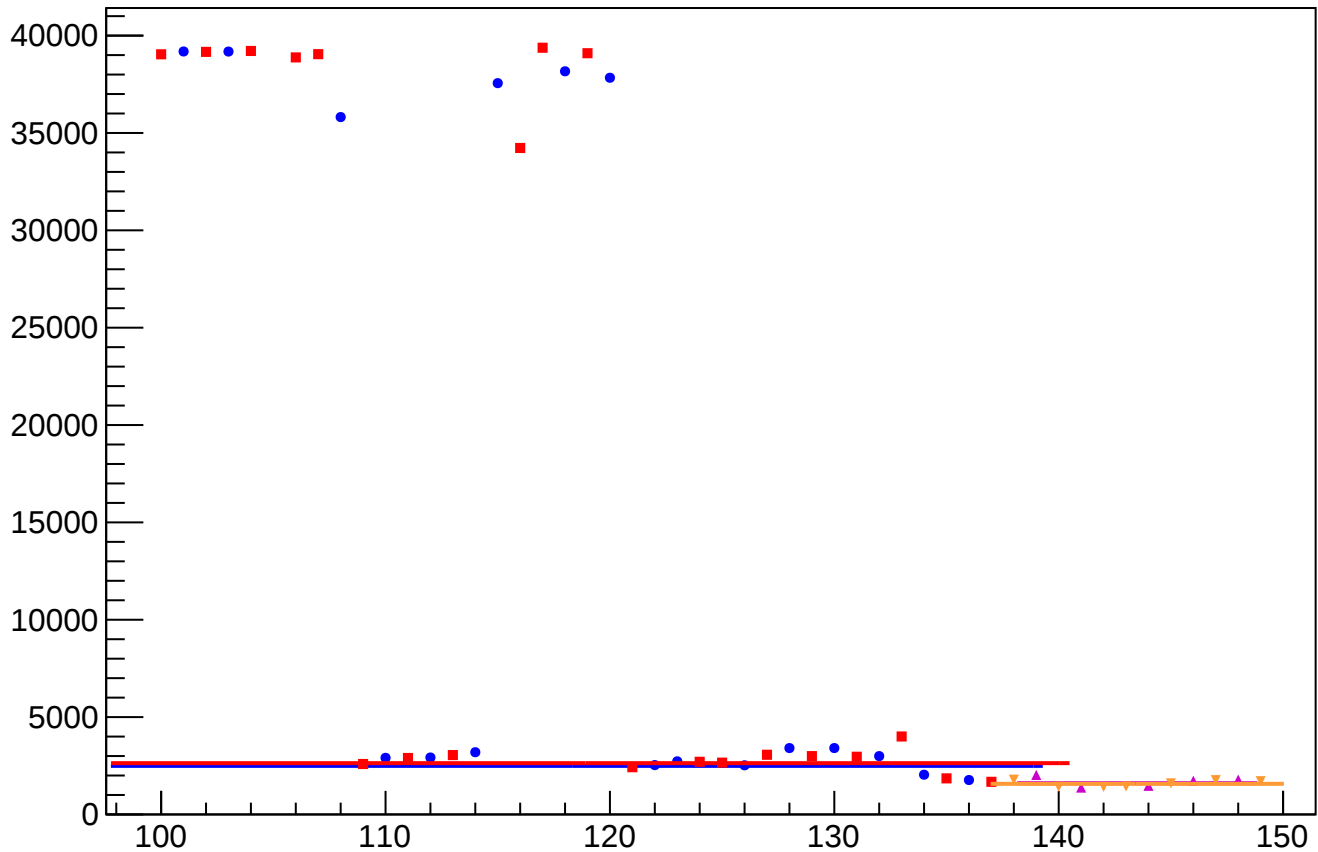
Left In: 0.570 $\pm$ 0.812 χ^2/NDF : 1.4/4

-1.134 $\pm$ 0.614 χ^2/NDF : 32.0/23

-0.146 $\pm$ 0.456 χ^2/NDF : 59.2/48

1.067 $\pm$ 0.680 χ^2/NDF : 21.4/24

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 $\chi^2/\text{NDF}: 4936039.0/19$

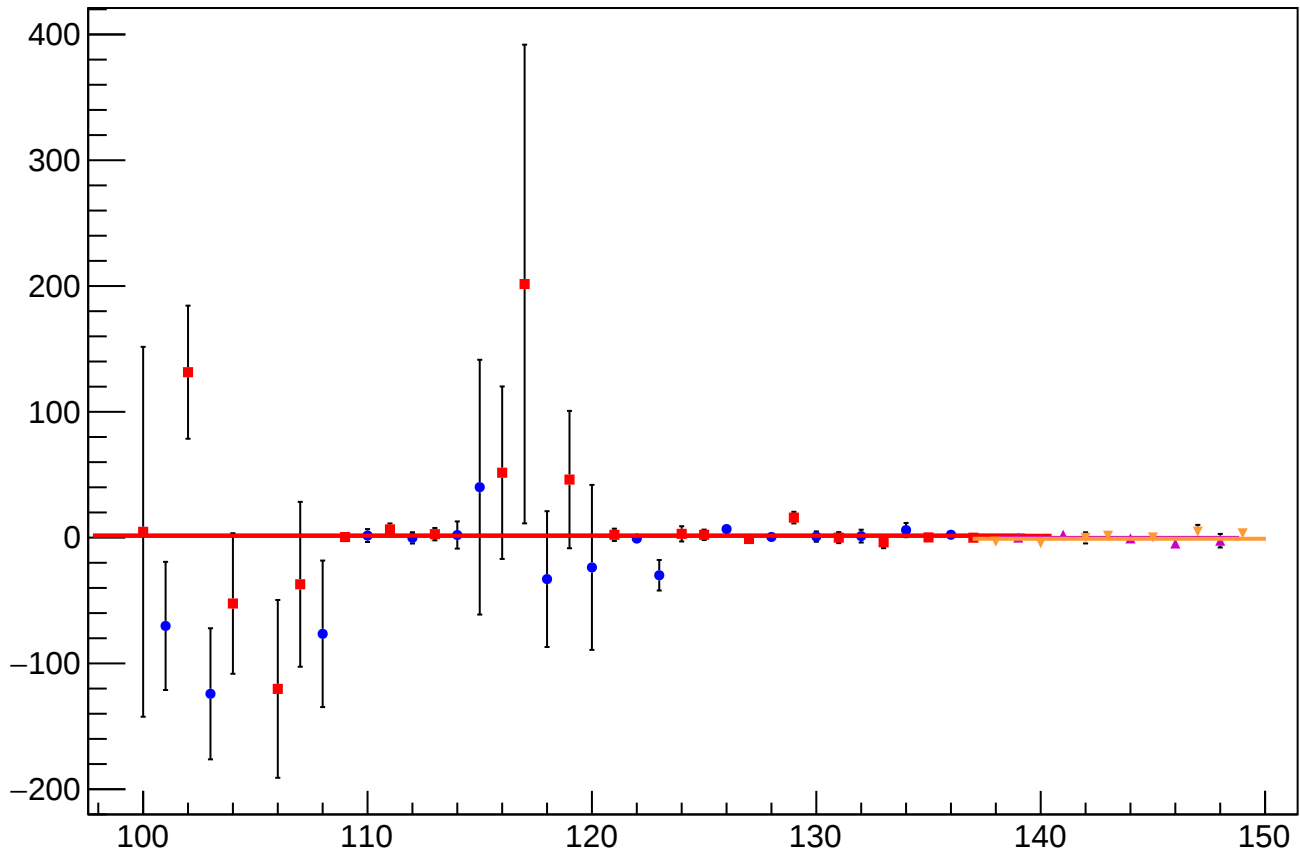
Left In: 1605.834 ± 0.574 $\chi^2/\text{NDF}: 144594.8/4$

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

1854.905 ± 0.322 $\chi^2/\text{NDF}: 11891515.1/4$

1912.689 ± 0.481 $\chi^2/\text{NDF}: 6038076.8/24$

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

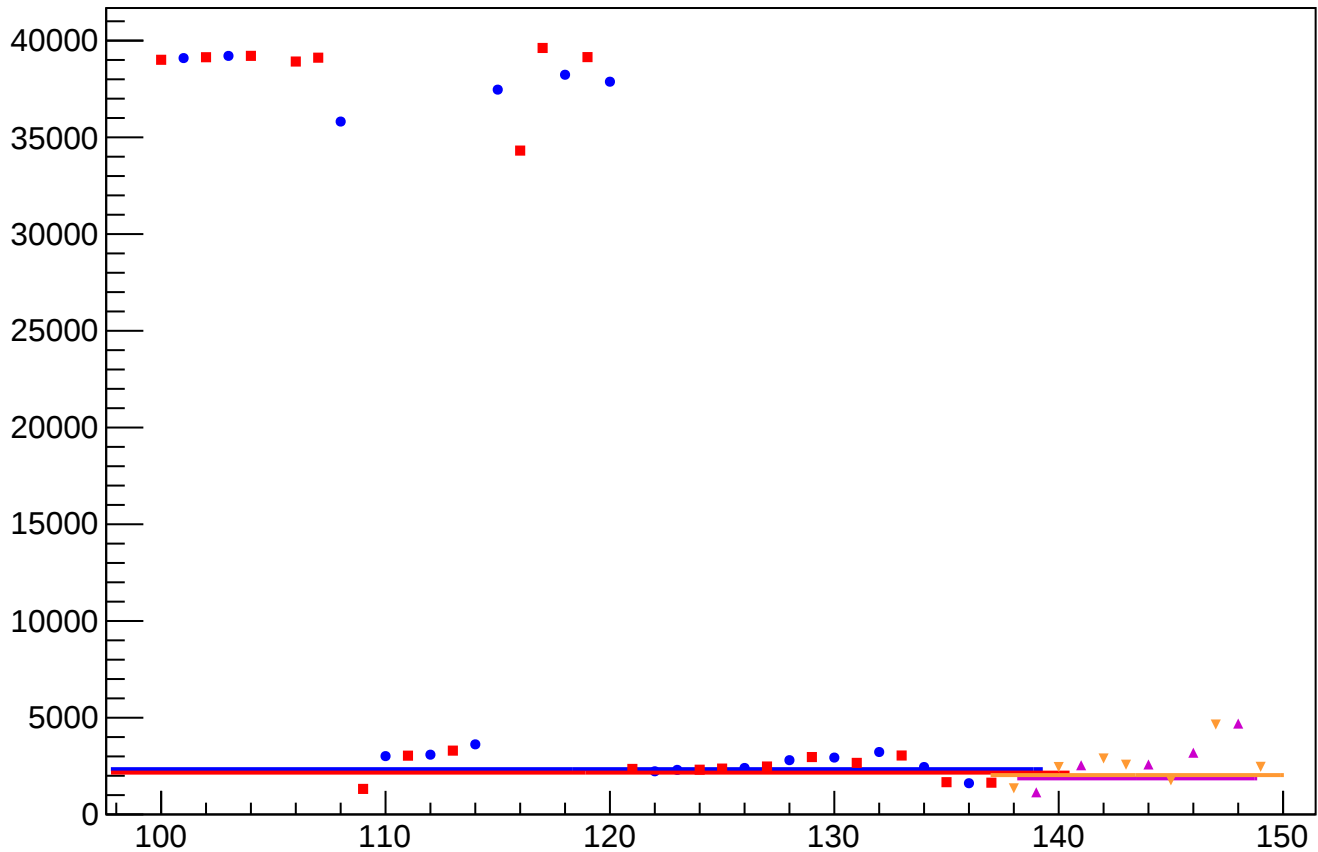
Left In: -0.209 ± 1.065 χ^2/NDF : 2.5/4

0.164 ± 0.750 χ^2/NDF : 30.9/23

0.413 ± 0.531 χ^2/NDF : 61.1/48

0.663 ± 0.752 χ^2/NDF : 30.0/24

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

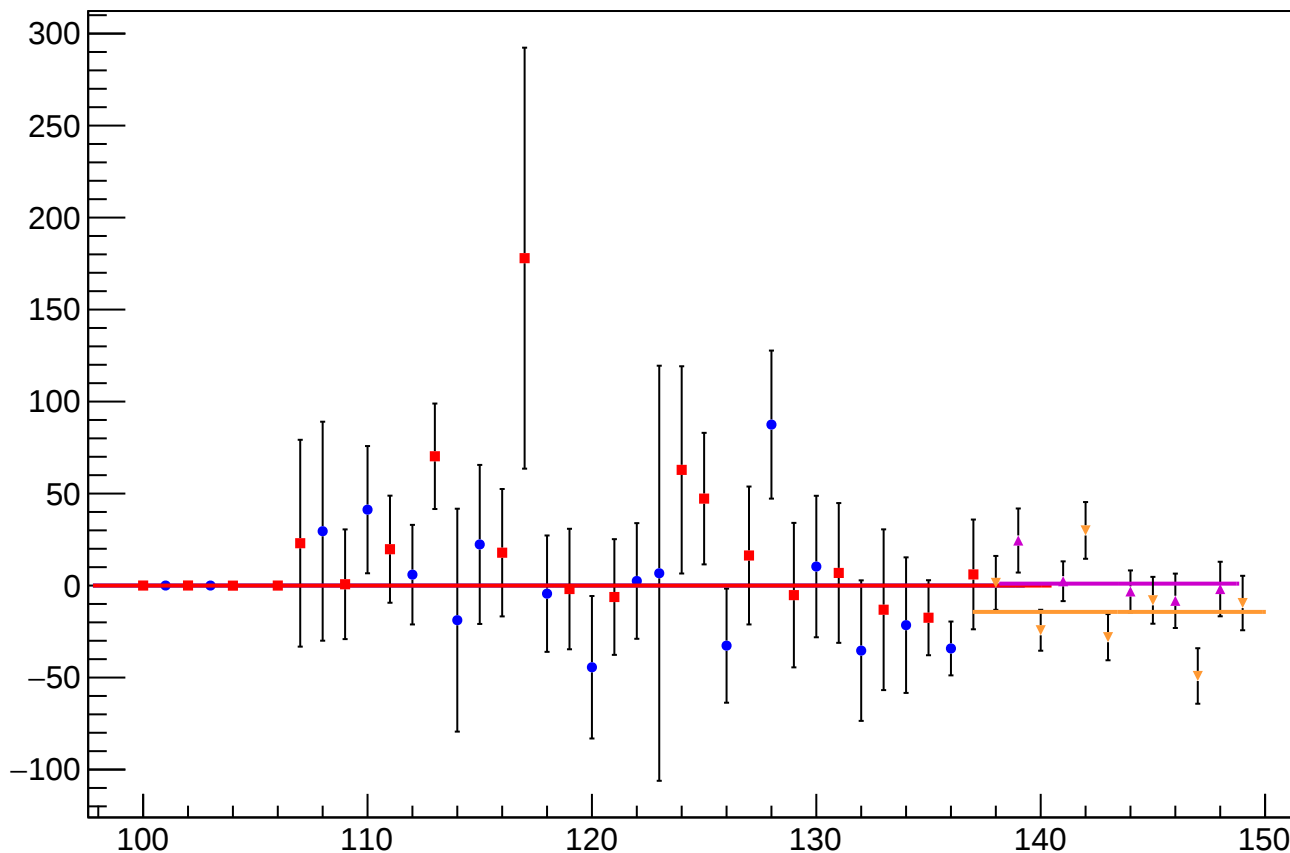
Left In: 1865.061 ± 0.753 χ^2/NDF : 1597871.2/4

2166.654 ± 0.531 χ^2/NDF : 6149830.7/23

2090.558 ± 0.376 χ^2/NDF : 13243606.0/4

2014.118 ± 0.532 χ^2/NDF : 7052550.2/24

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

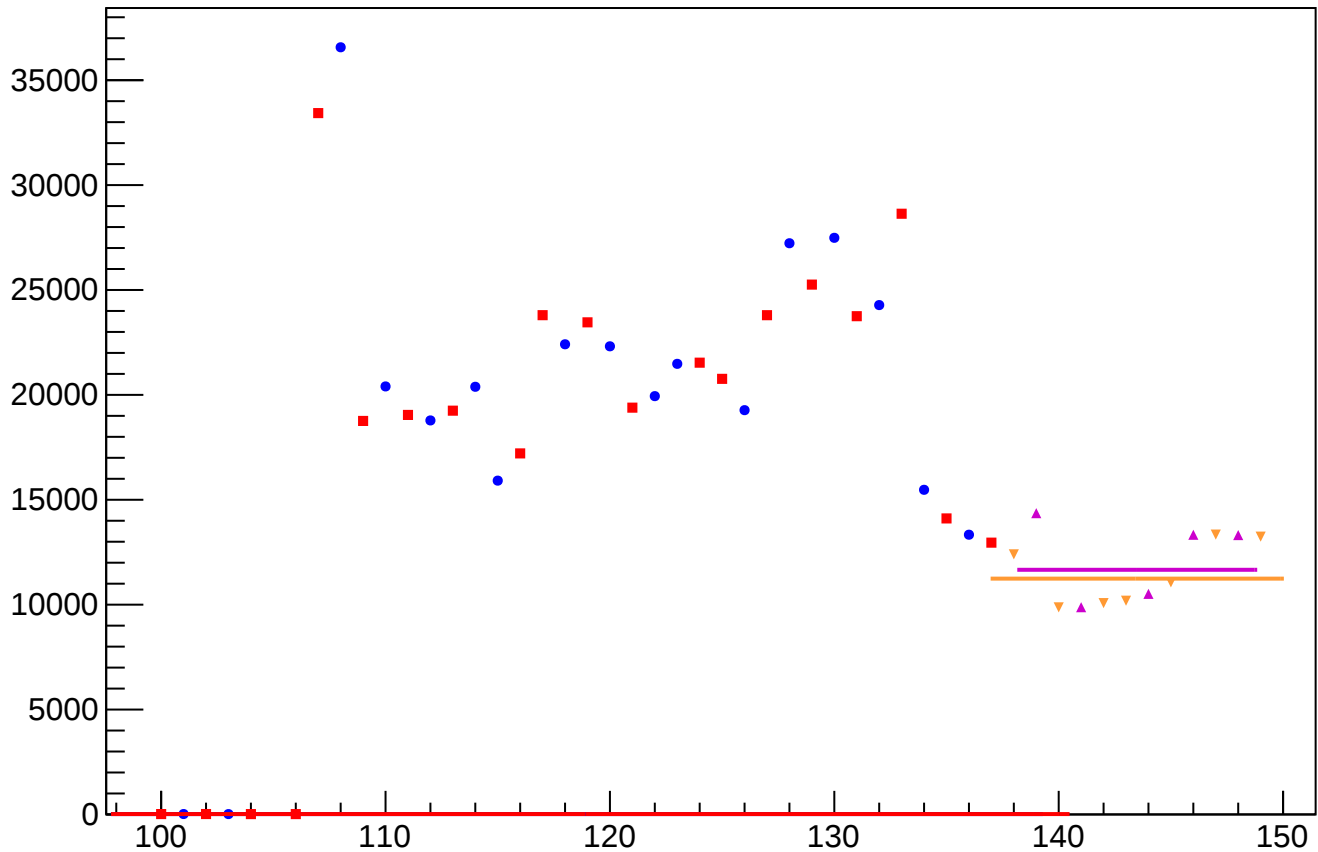
Left In: 1.045 ± 5.905 χ^2/NDF : 2.4/4

0.013 ± 0.017 χ^2/NDF : 41.1/23

0.004 ± 0.012 χ^2/NDF : 62.3/48

-0.003 ± 0.016 χ^2/NDF : 20.7/24

diff_cav4bX_rms vs Slug, Sign Corrected



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

Left Out: 11241.316 $\pm$ 3.607 χ^2/NDF : 143998.3/6

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

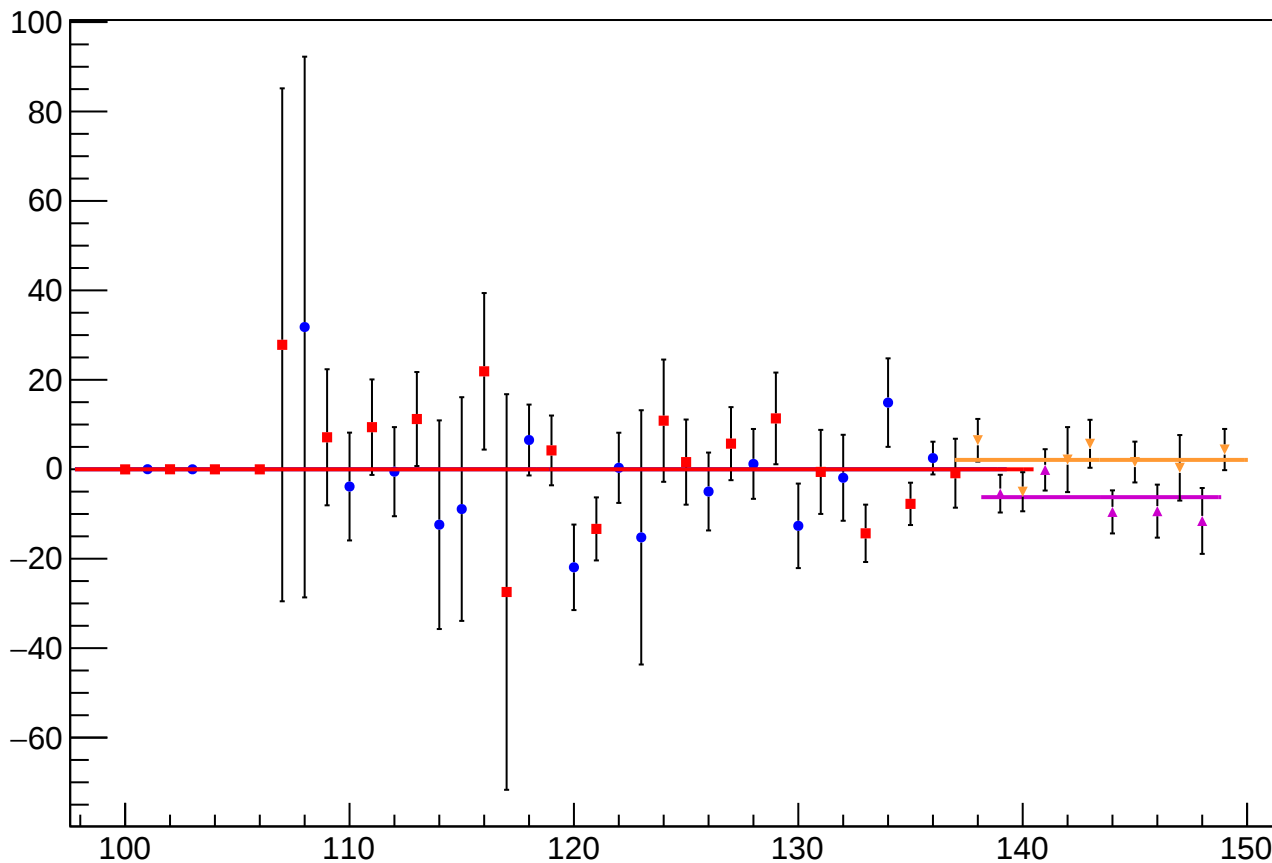
Left In: 11662.237 $\pm$ 4.175 χ^2/NDF : 173188.5/4

18.771 $\pm$ 0.012 χ^2/NDF : 20806472.7/23

18.571 $\pm$ 0.008 χ^2/NDF : 39953958.6/48

18.398 $\pm$ 0.011 χ^2/NDF : 19146987.7/24

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

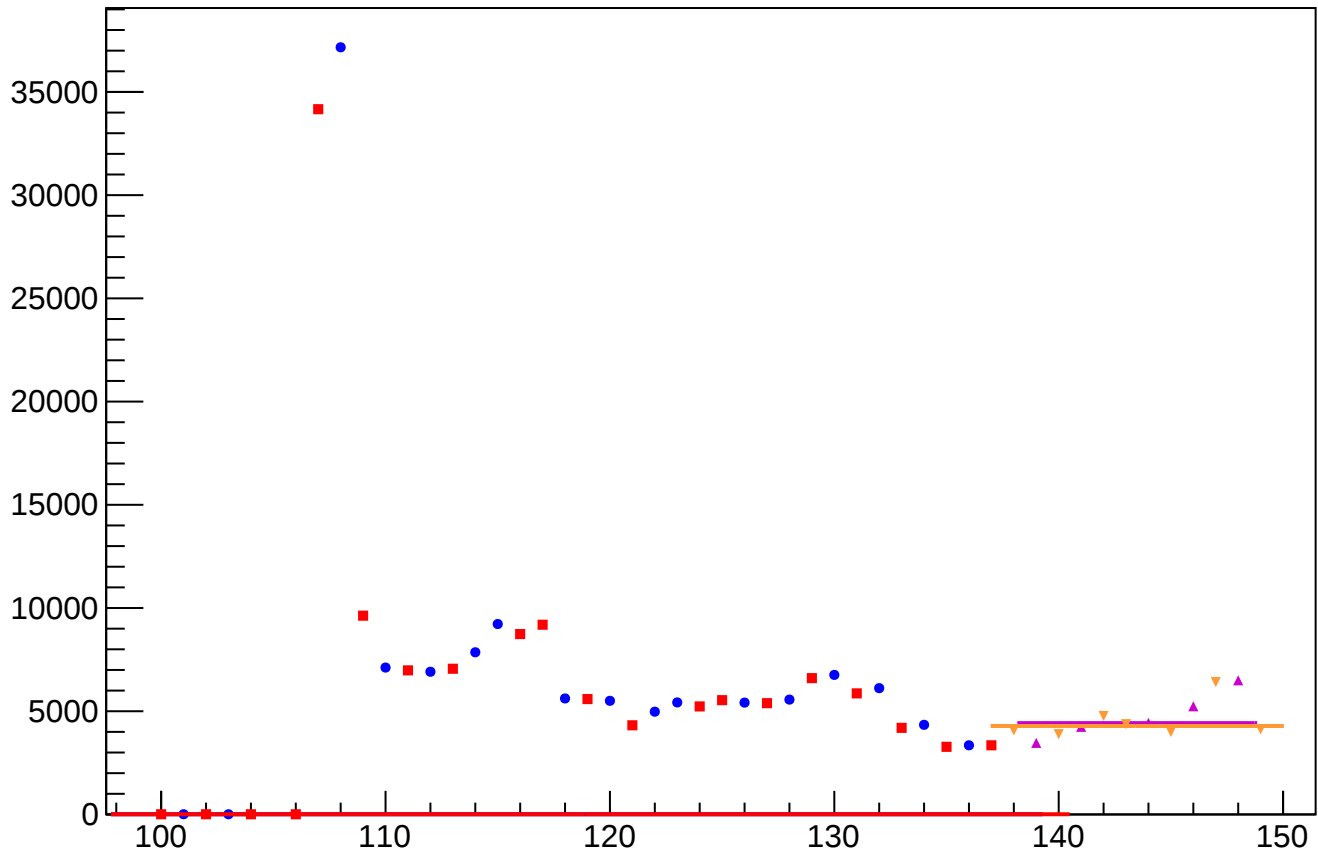
Left In: -6.236 $\pm$ 2.276 χ^2 /NDF: 3.0/4

0.001 $\pm$ 0.009 χ^2 /NDF: 18.5/23

-0.007 $\pm$ 0.006 χ^2 /NDF: 49.4/48

-0.014 $\pm$ 0.009 χ^2 /NDF: 29.5/24

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

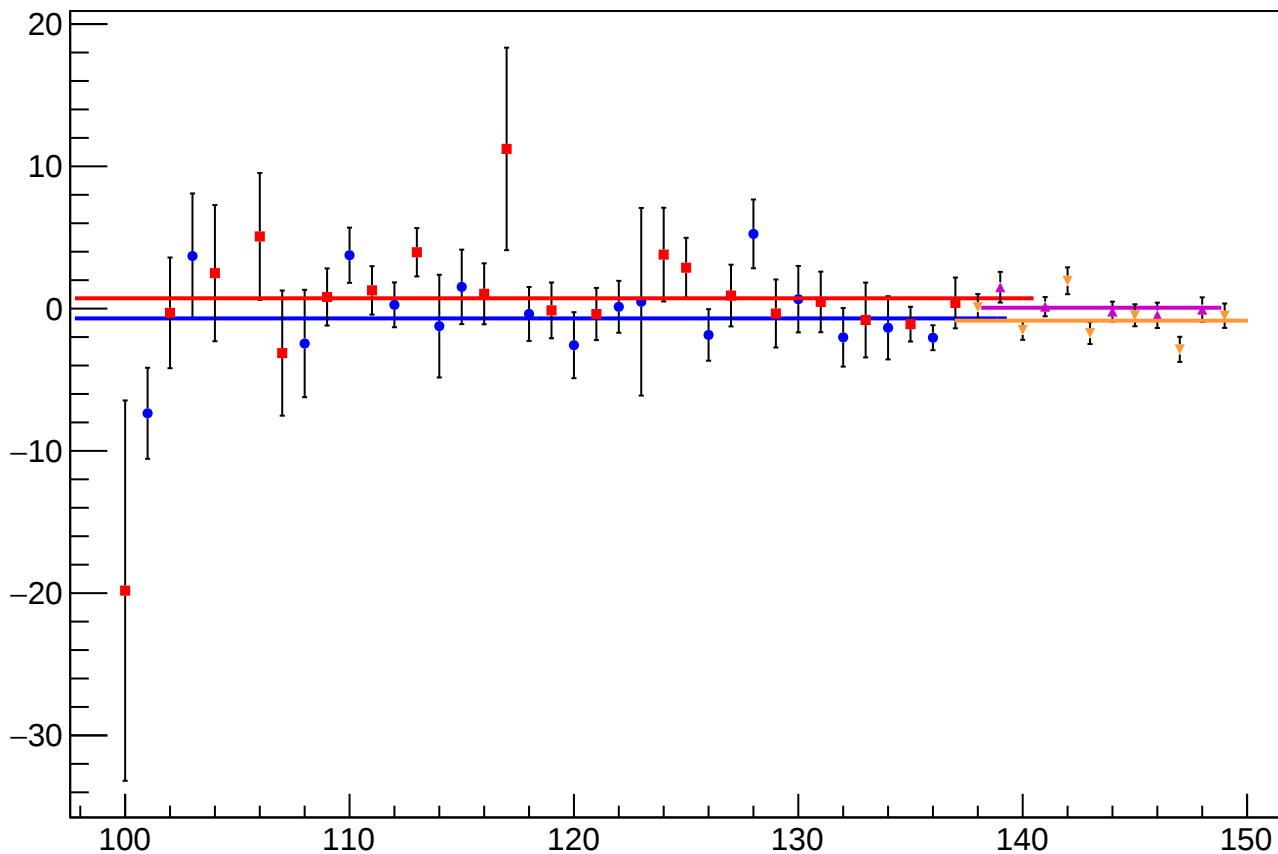
Left In: 4423.801+/-1.609 χ^2/NDF : 302366.6/4

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

9.973+/-0.004 χ^2/NDF : 40038248.6/48

9.919+/-0.006 χ^2/NDF : 19071559.3/24

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

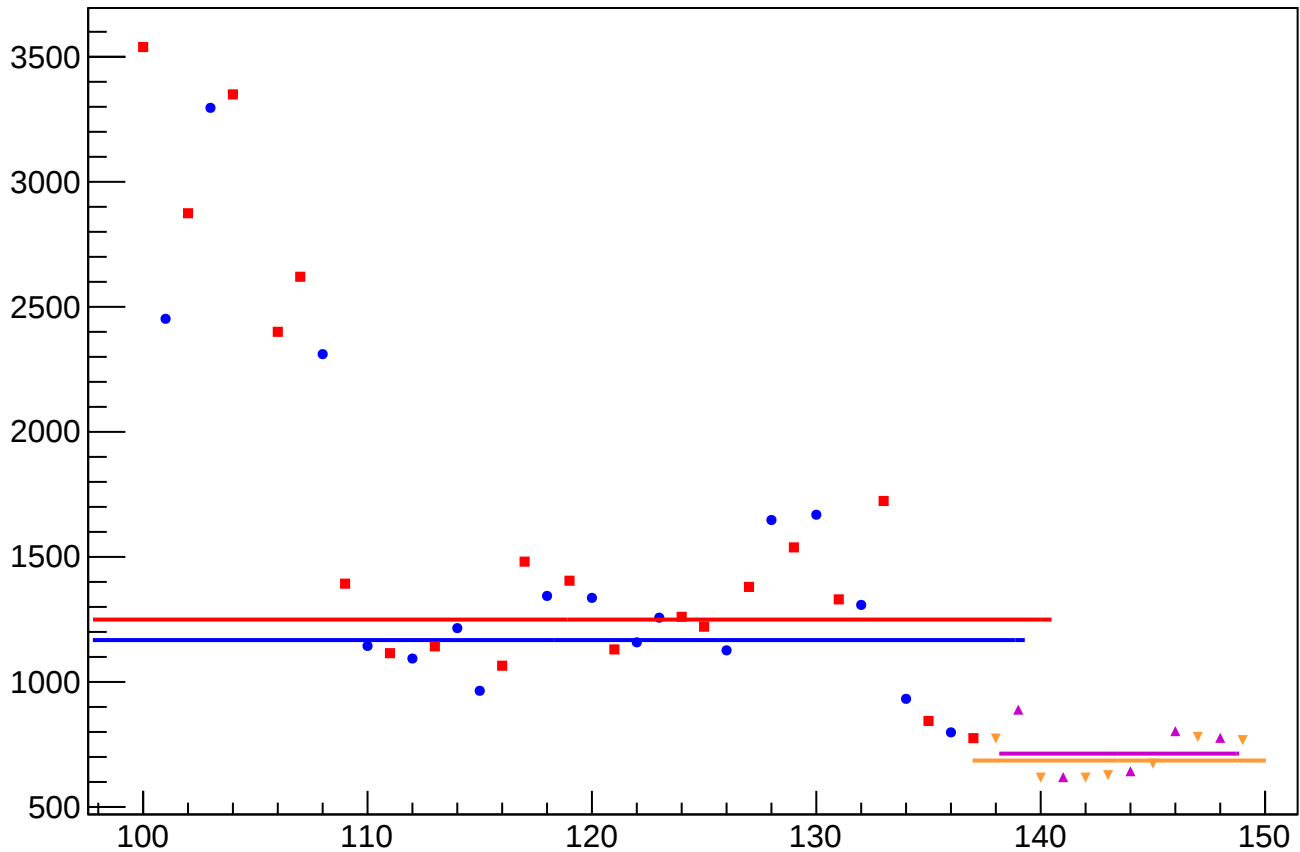
Left In: 0.062 $\pm$ 0.360 χ^2/NDF : 2.3/4

-0.801 $\pm$ 0.261 χ^2/NDF : 40.3/23

-0.318 $\pm$ 0.195 χ^2/NDF : 67.0/48

0.289 $\pm$ 0.292 χ^2/NDF : 19.0/24

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

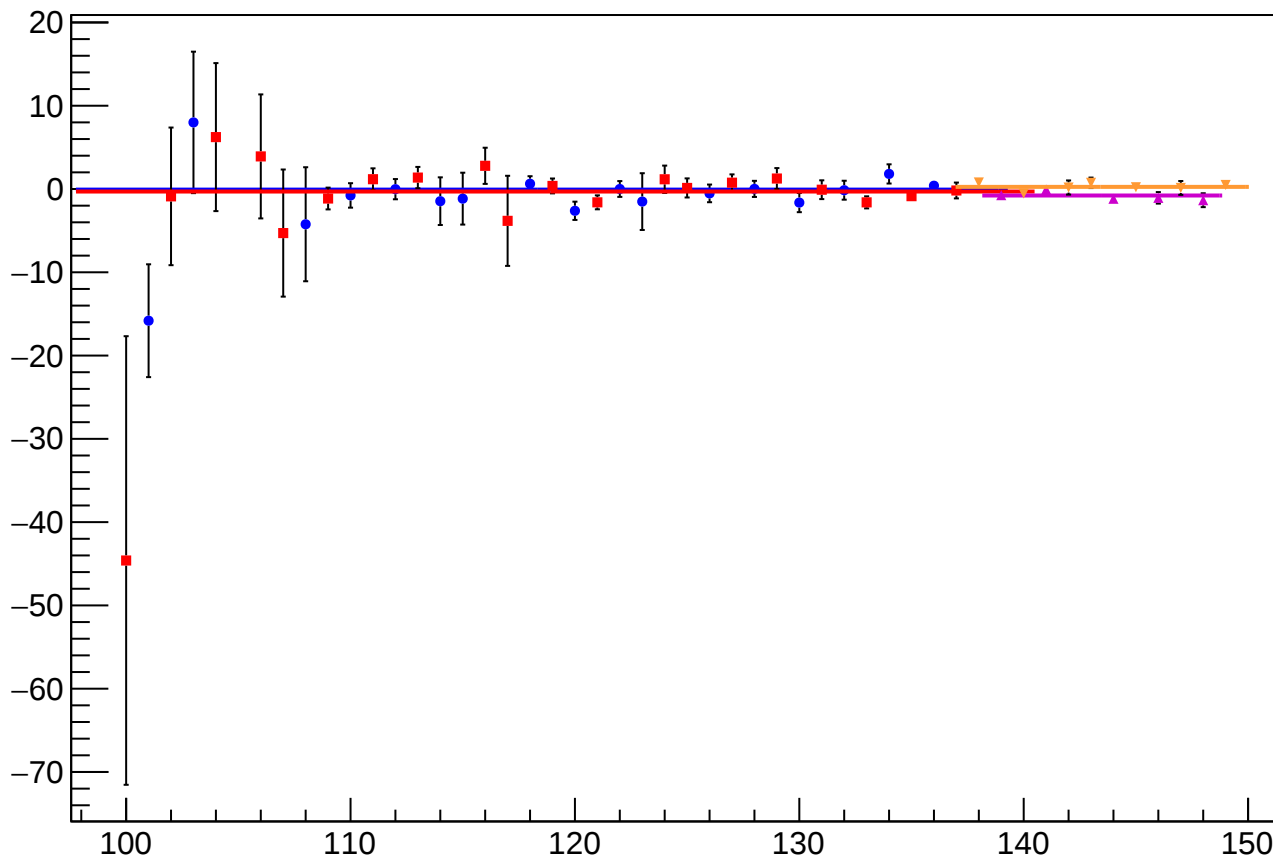
Left In: 713.362 $\pm$ 0.255 χ^2 /NDF: 143236.9/4

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

857.872 $\pm$ 0.138 χ^2 /NDF: 6469089.4/48

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

diff_cav4cY_mean vs Slug, Sign Corrected



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

Left Out: 0.256 ± 0.229 χ^2/NDF : 4.1/6

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

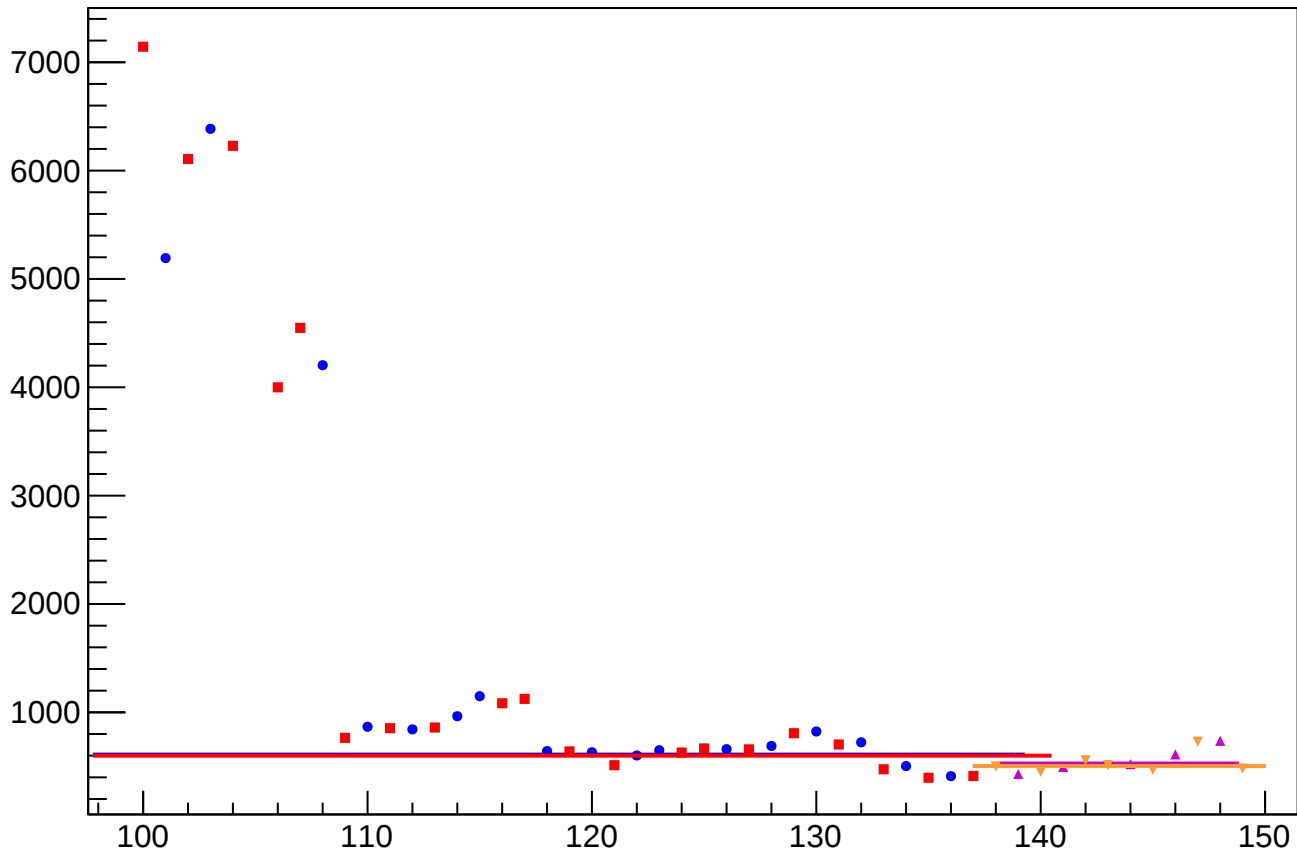
Left In: -0.780 ± 0.270 χ^2/NDF : 2.9/4

0.118 ± 0.174 χ^2/NDF : 24.2/23

-0.183 ± 0.128 χ^2/NDF : 55.9/48

-0.536 ± 0.189 χ^2/NDF : 25.2/24

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

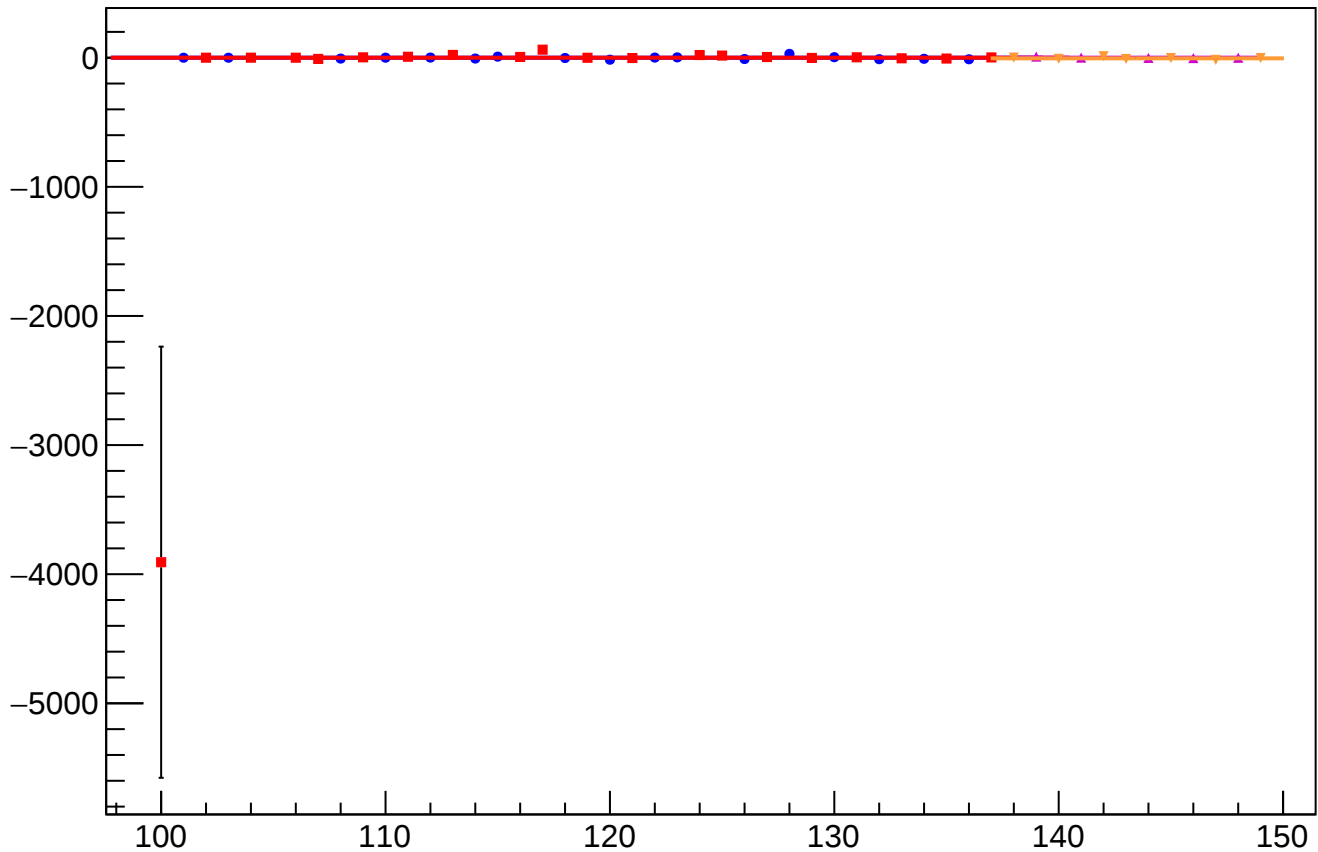
Left In: 527.634 $\pm$ 0.191 χ^2 /NDF: 230996.2/4

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

556.077 $\pm$ 0.090 χ^2 /NDF: 7388374.4/48

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

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

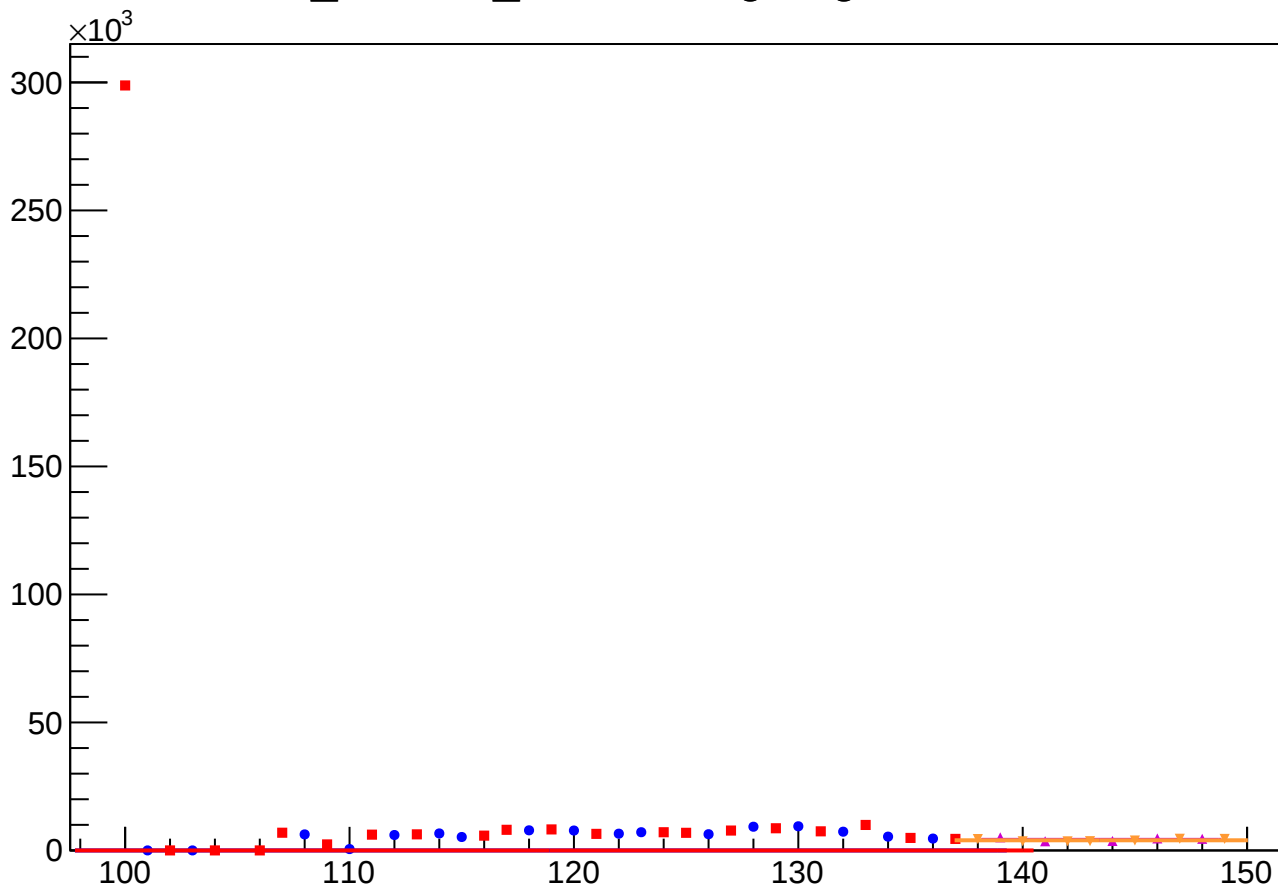
Left In: 0.357+/-2.092 χ^2 /NDF: 2.4/4

-0.022+/-0.021 χ^2 /NDF: 40.7/23

0.003+/-0.014 χ^2 /NDF: 66.4/48

0.027+/-0.020 χ^2 /NDF: 22.9/24

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

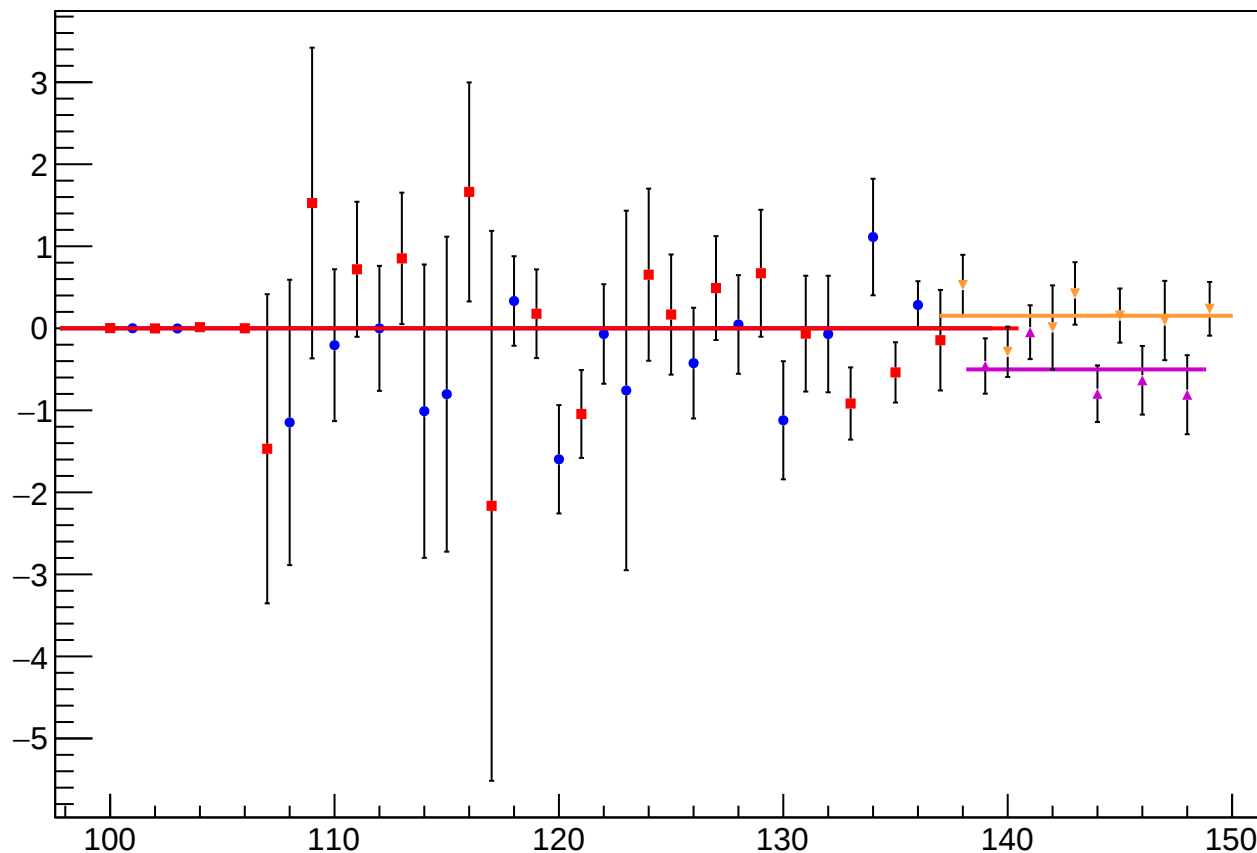
Left In: 4139.339 ± 1.479 χ^2/NDF : 148203.9/4

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

17.749 ± 0.010 χ^2/NDF : 39101450.0/48

17.639 ± 0.014 χ^2/NDF : 18821137.7/24

diff_cav4dY_mean vs Slug, Sign Corrected



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

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

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

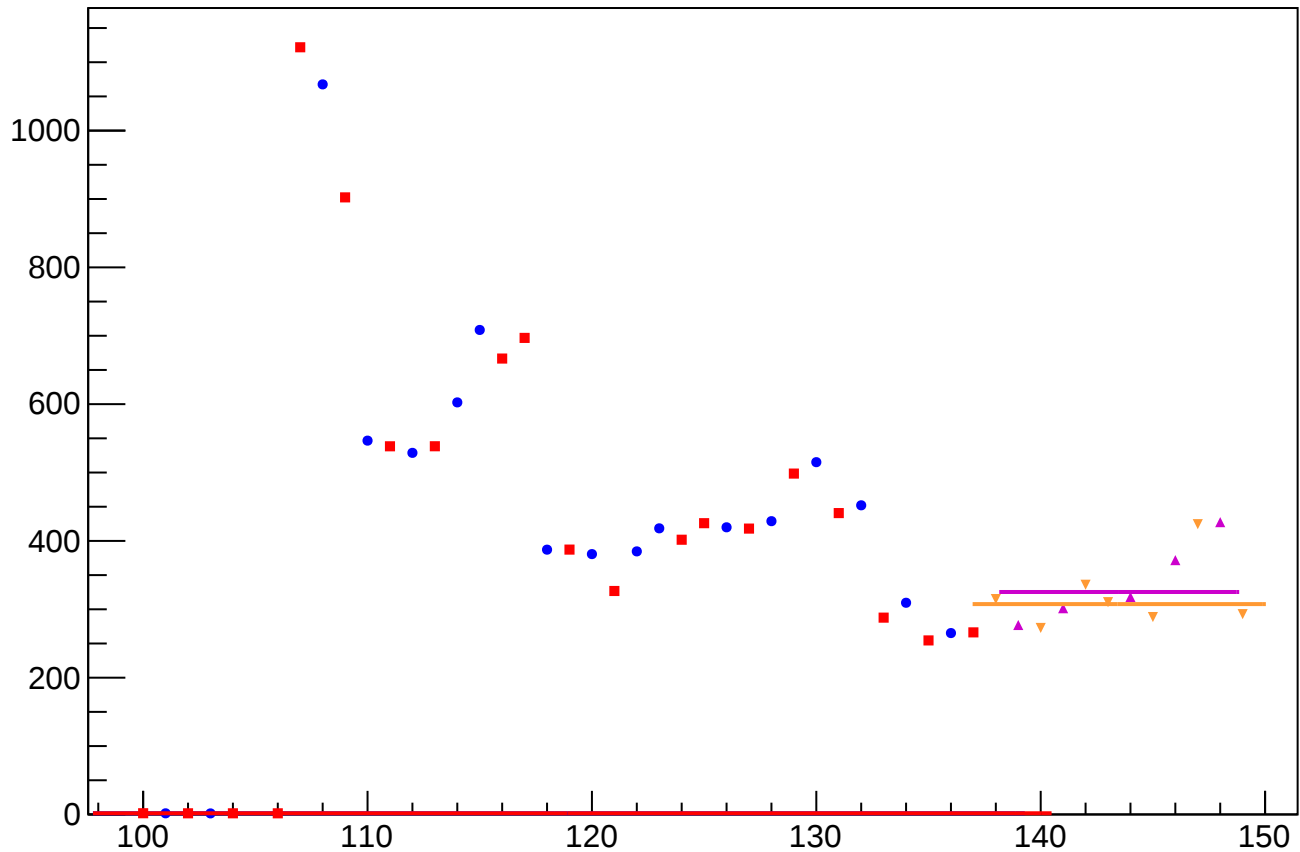
Left In: -0.501 ± 0.166 $\chi^2/\text{NDF}: 3.2/4$

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

-0.000 ± 0.001 $\chi^2/\text{NDF}: 49.5/48$

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

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.699 $\pm$ 0.001 χ^2/NDF : 11053026.2/16

Left Out: 307.614 $\pm$ 0.099 χ^2/NDF : 160322.3/6

Right Out: 1.729 $\pm$ 0.001 χ^2/NDF : 10829914.3/19

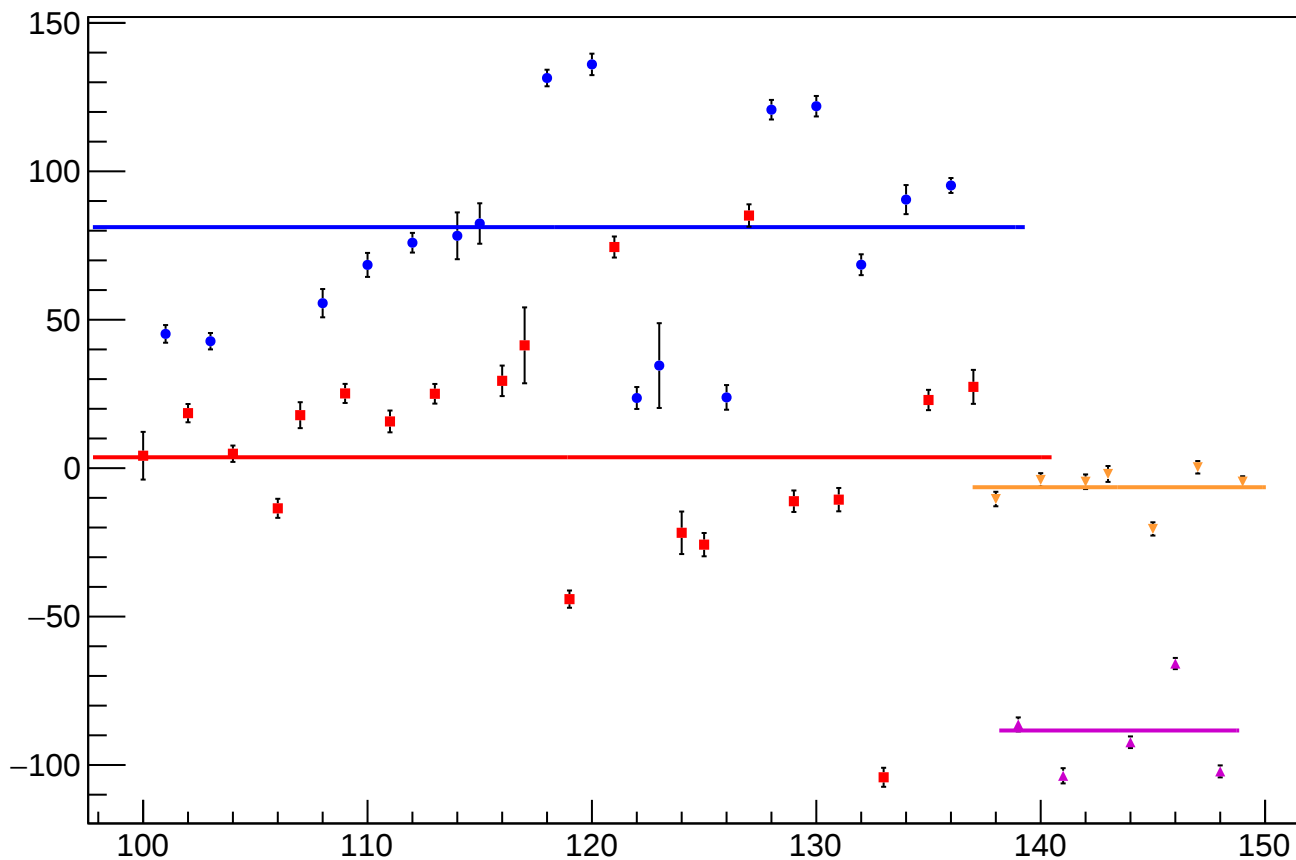
Left In: 325.313 $\pm$ 0.117 χ^2/NDF : 166949.1/4

1.764 $\pm$ 0.001 χ^2/NDF : 20856343.9/23

1.769 $\pm$ 0.001 χ^2/NDF : 39490965.6/48

1.773 $\pm$ 0.001 χ^2/NDF : 18634600.3/24

diff_bpm0i01X_mean vs Slug, Sign Corrected



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

Left Out: -6.421+/-0.848 χ^2/NDF : 57.9/6

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

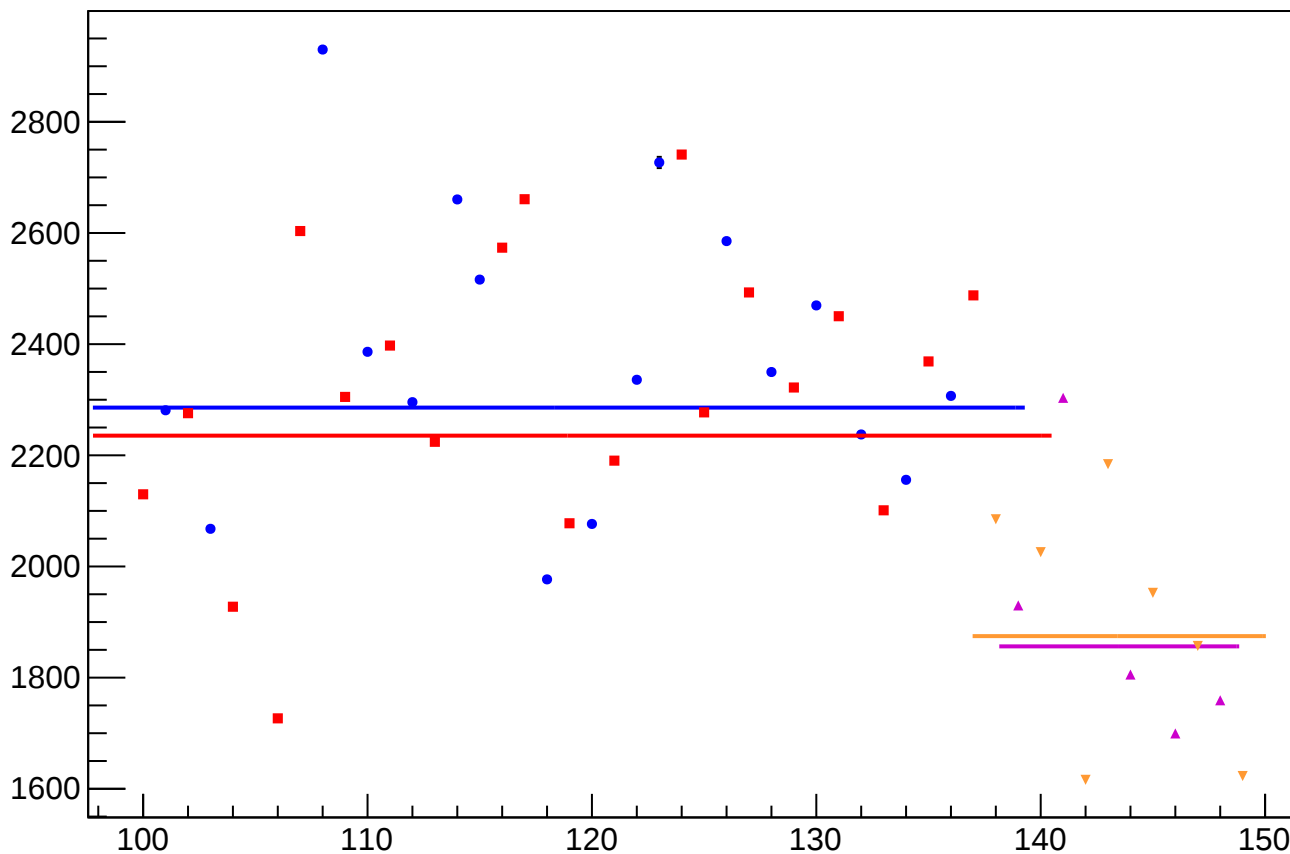
Left In: -88.375+/-0.946 χ^2/NDF : 229.8/4

35.485+/-0.613 χ^2/NDF : 6874.1/23

0.198+/-0.439 χ^2/NDF : 21813.8/48

-36.944+/-0.628 χ^2/NDF : 8127.3/24

diff_bpm0i01X_rms vs Slug, Sign Corrected



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

Left Out: 1874.689 $\pm$ 0.600 χ^2/NDF :113090.6/6

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

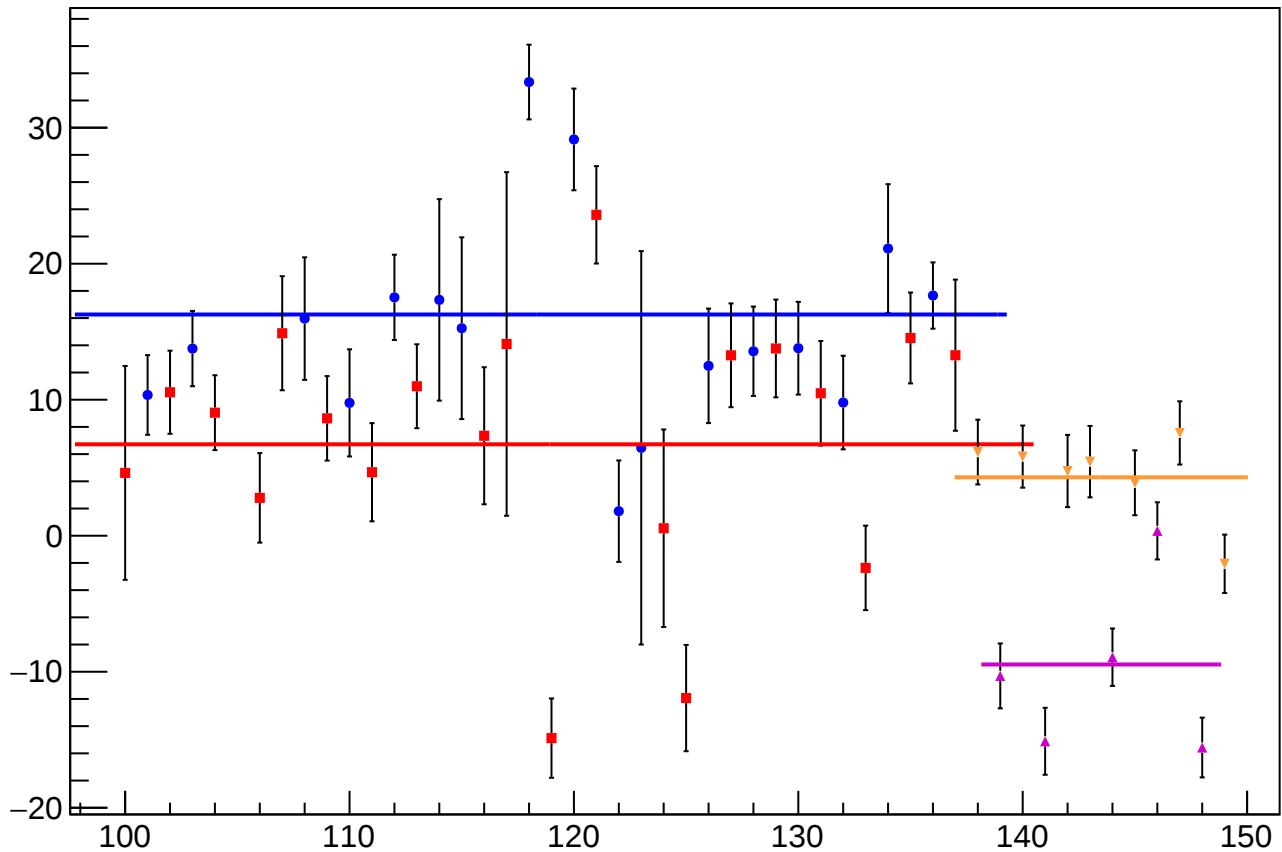
Left In: 1856.250 $\pm$ 0.669 χ^2/NDF :82310.6/4

2071.335 $\pm$ 0.433 χ^2/NDF : 447307.3/23

2069.756 $\pm$ 0.310 χ^2/NDF : 858212.8/48

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

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

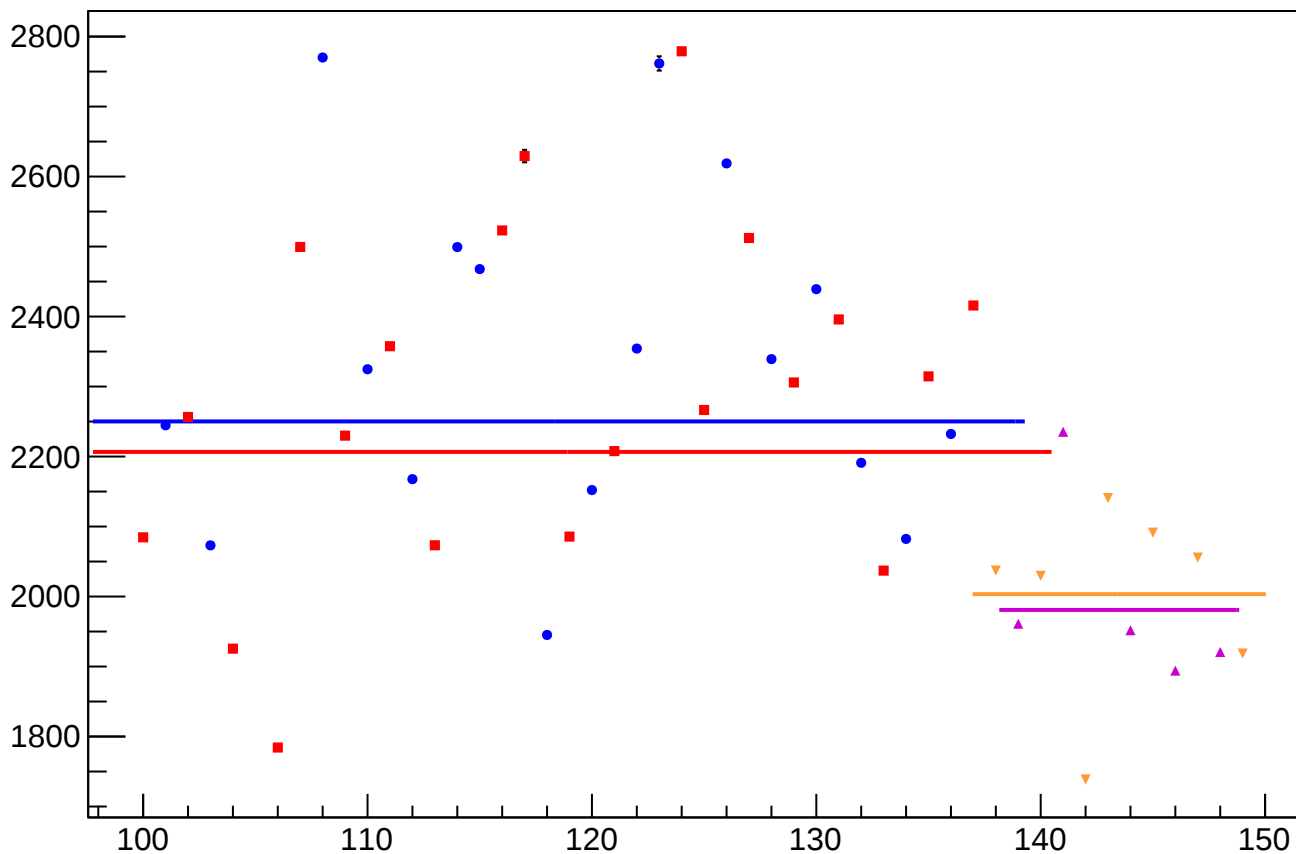
Left In: -9.467 $\pm$ 1.001 χ^2 /NDF: 35.0/4

10.476 $\pm$ 0.626 χ^2 /NDF: 184.1/23

5.404 $\pm$ 0.447 χ^2 /NDF: 642.4/48

0.134 $\pm$ 0.638 χ^2 /NDF: 324.5/24

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

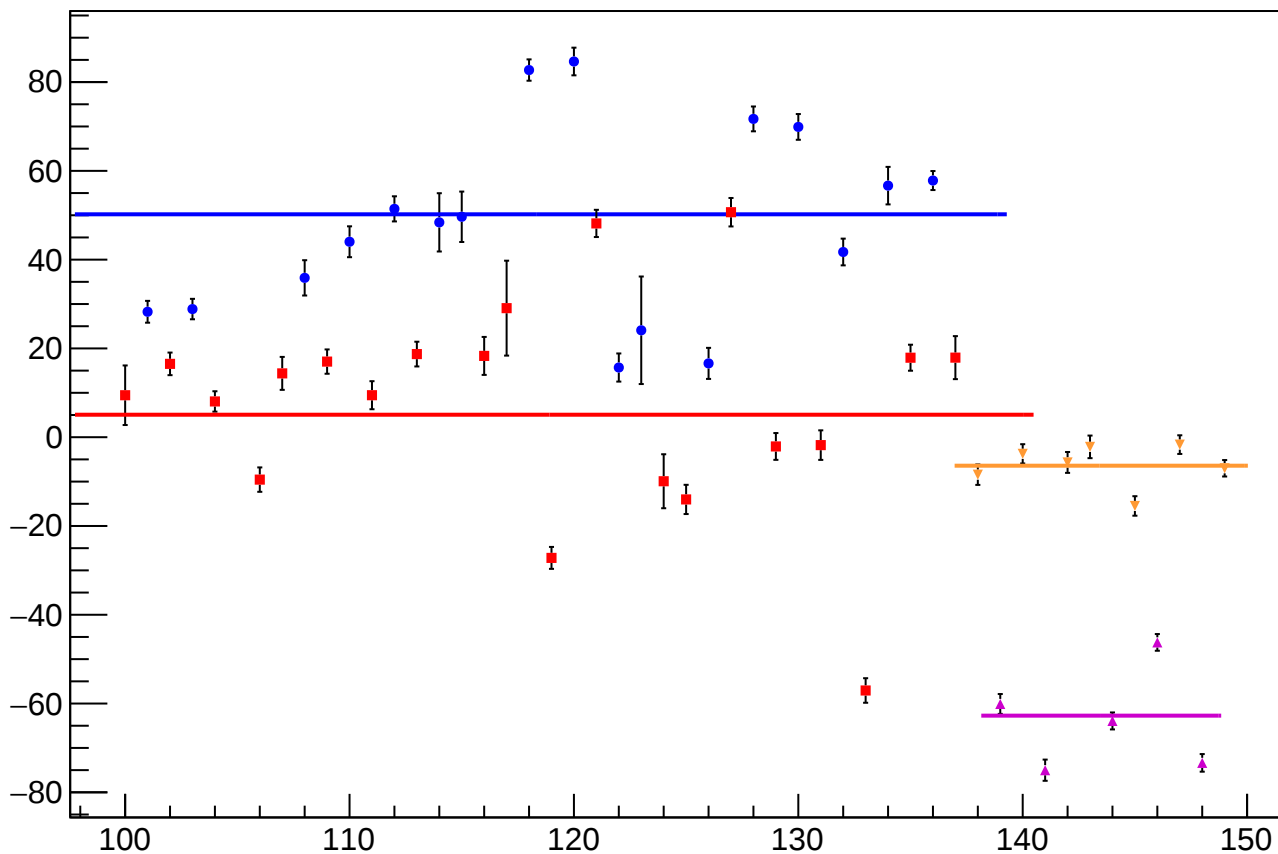
Left In: 1980.833 $\pm$ 0.708 χ^2/NDF : 26790.6/4

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

2122.930 $\pm$ 0.316 χ^2/NDF : 424300.3/48

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

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

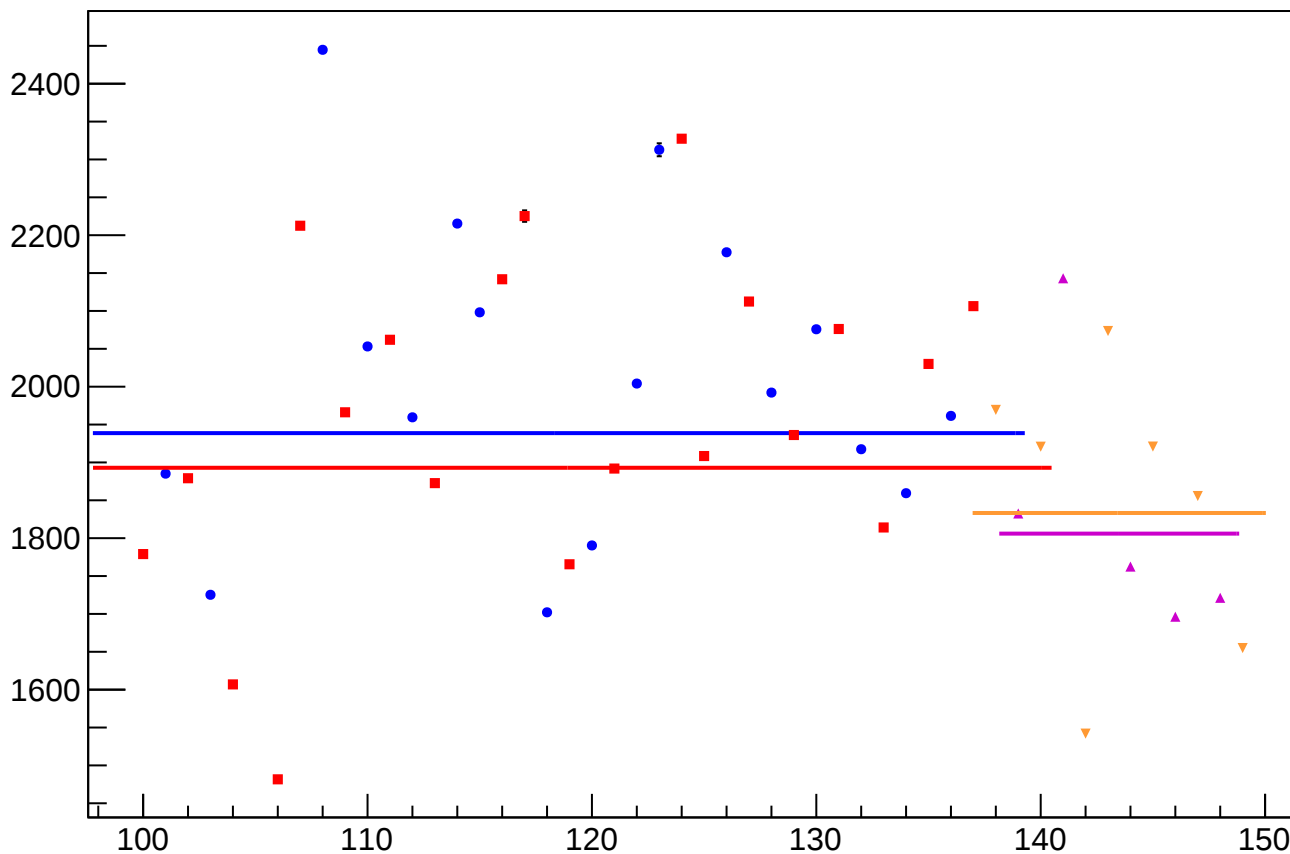
Left In: -62.727+/-0.918 χ^2 /NDF:133.9/4

24.640+/-0.556 χ^2 /NDF: 3427.4/23

2.400+/-0.395 χ^2 /NDF: 11470.9/48

-20.374+/-0.563 χ^2 /NDF: 4805.1/24

diff_bpm0i01aX_rms vs Slug, Sign Corrected



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

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

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

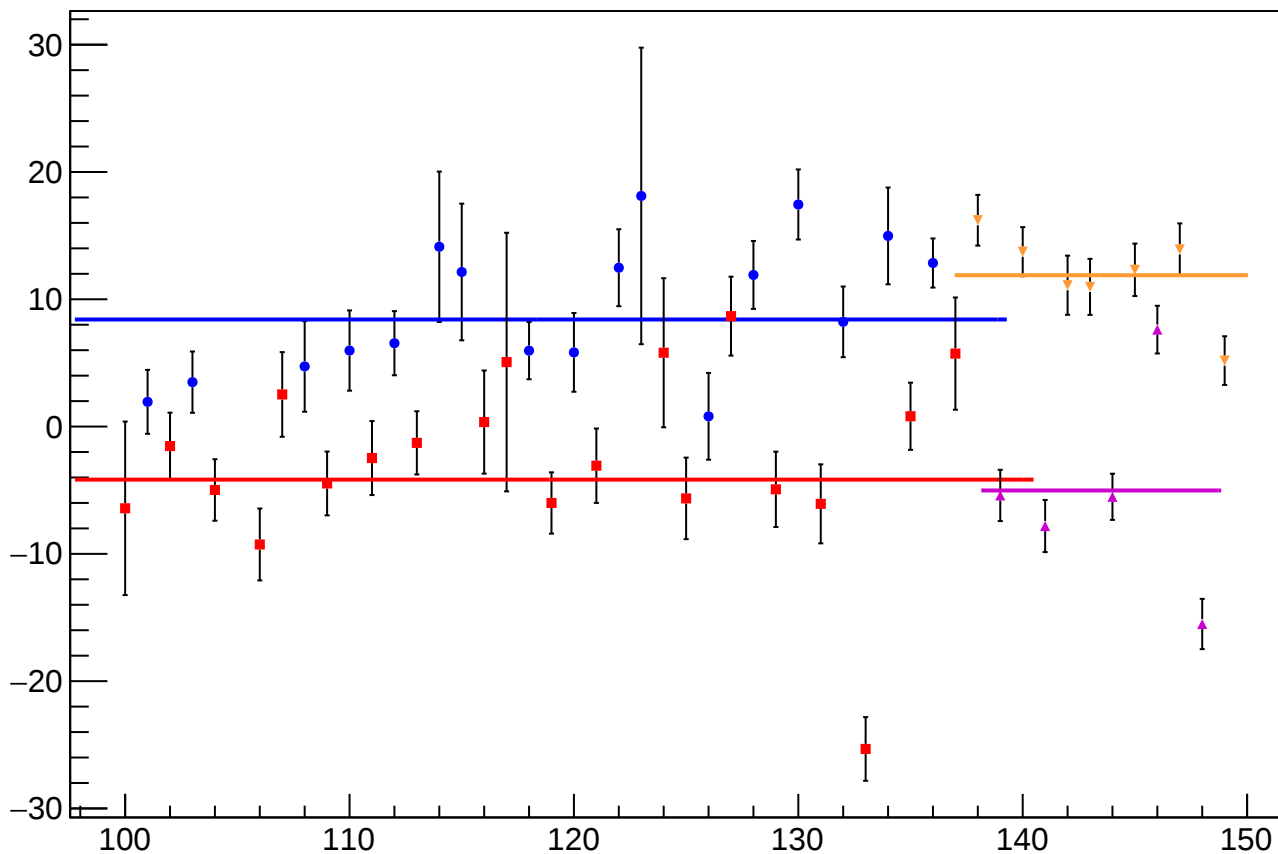
Left In: 1806.012 $\pm$ 0.649 χ^2/NDF : 51617.8/4

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

1875.884 $\pm$ 0.280 χ^2/NDF : 413017.4/48

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

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.411 $\pm$ 0.711 χ^2/NDF : 44.6/16

Left Out: 11.891 $\pm$ 0.776 χ^2/NDF : 19.3/6

Right Out: -4.167 $\pm$ 0.681 χ^2/NDF : 113.9/19

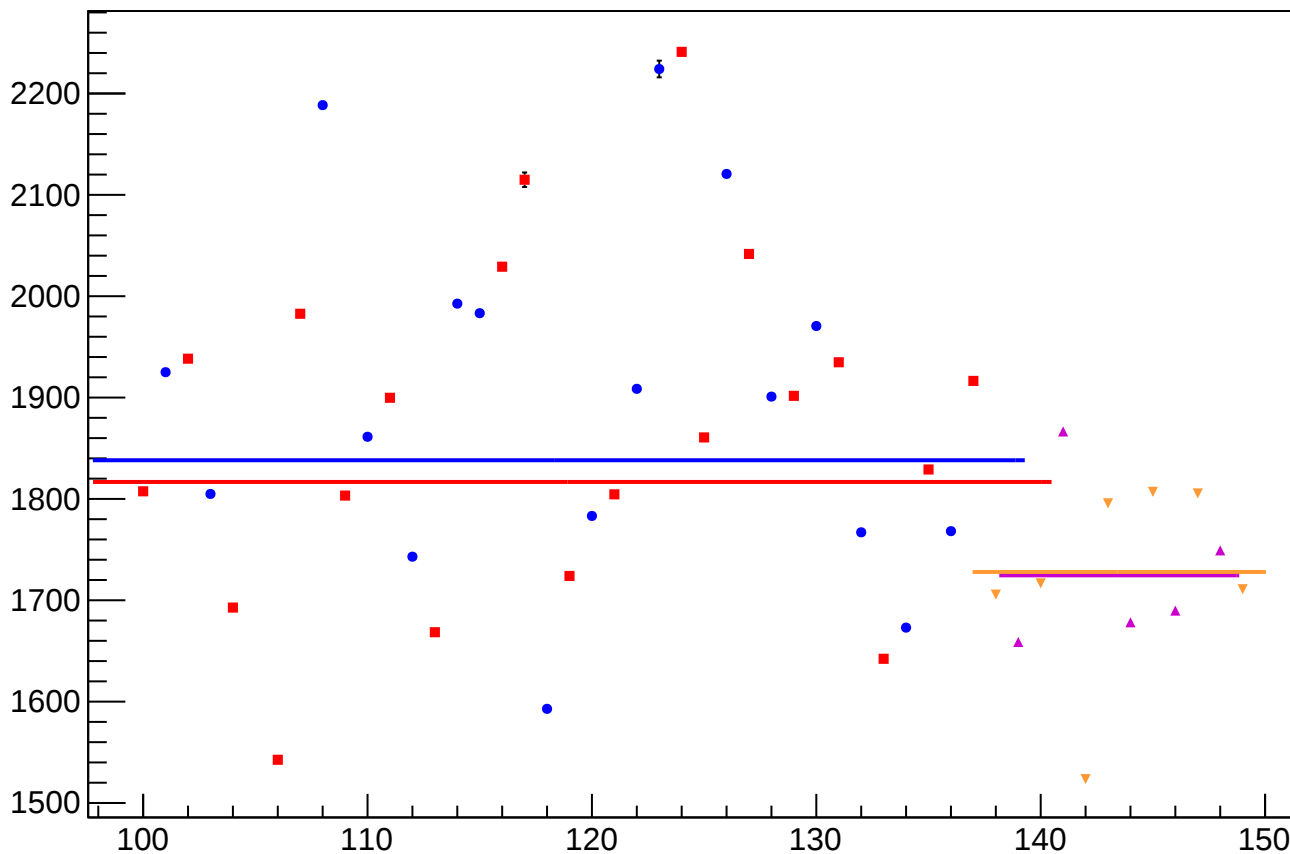
Left In: -5.020 $\pm$ 0.867 χ^2/NDF : 75.7/4

10.000 $\pm$ 0.524 χ^2/NDF : 74.8/23

2.908 $\pm$ 0.375 χ^2/NDF : 638.9/48

-4.492 $\pm$ 0.535 χ^2/NDF : 190.2/24

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

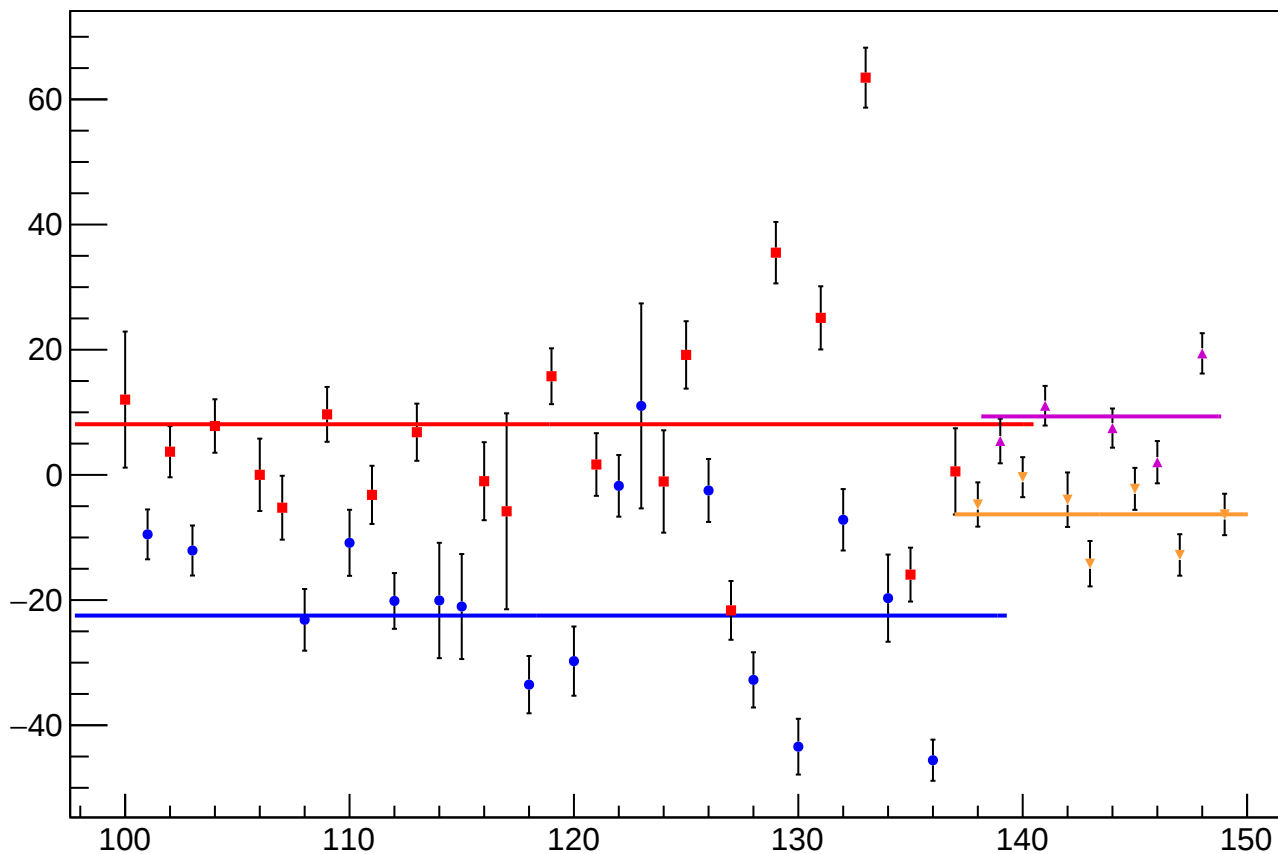
Left In: 1724.604 $\pm$ 0.613 χ^2/NDF : 14053.7/4

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

1784.774 $\pm$ 0.265 χ^2/NDF : 245790.1/48

1781.602 $\pm$ 0.379 χ^2/NDF : 117175.6/24

diff_bpm0l01X_mean vs Slug, Sign Corrected



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

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

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

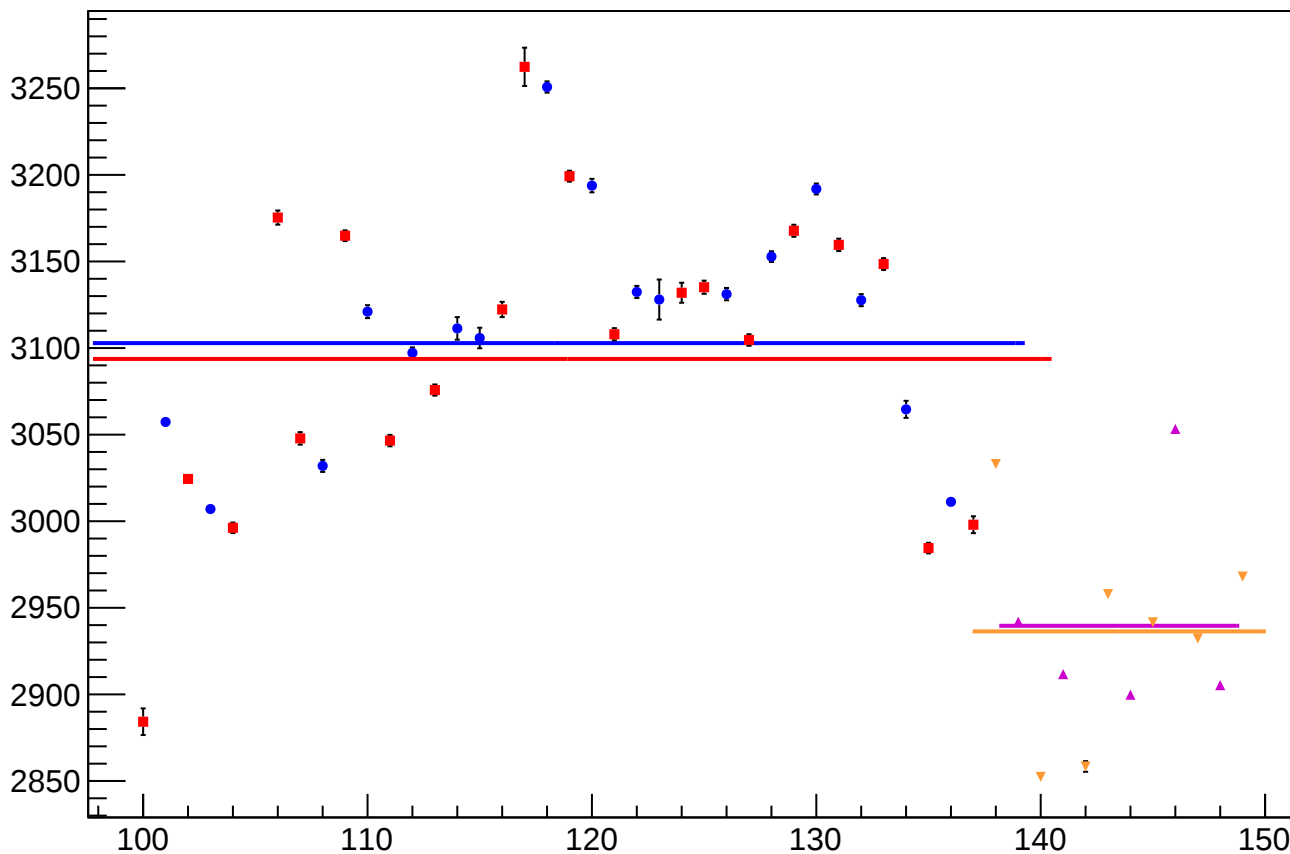
Left In: 9.343 ± 1.468 χ^2/NDF : 16.3/4

-15.167 ± 0.884 χ^2/NDF : 251.5/23

-3.596 ± 0.633 χ^2/NDF : 897.1/48

8.570 ± 0.907 χ^2/NDF : 294.4/24

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

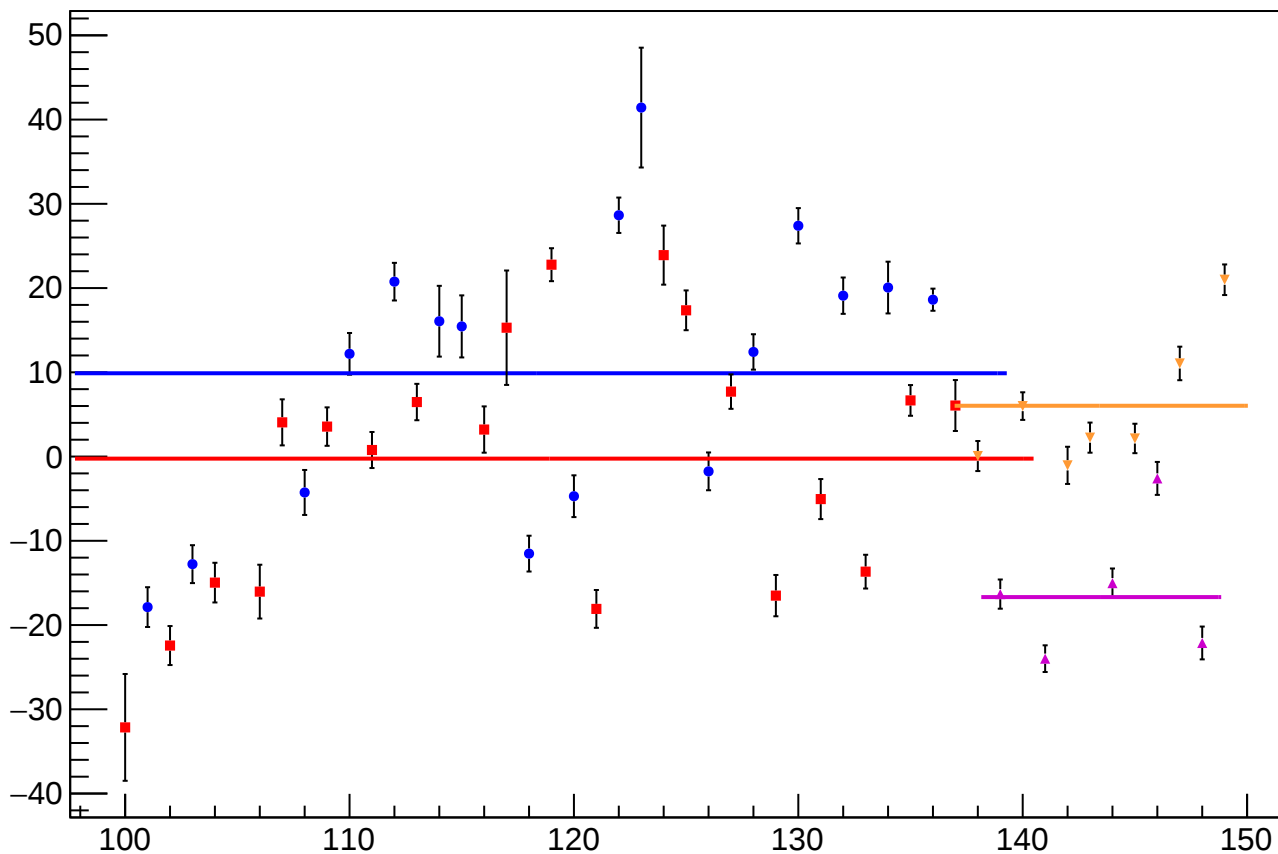
Left In: 2939.623 $\pm$ 1.038 χ^2 /NDF: 2969.2/4

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

3031.162 $\pm$ 0.448 χ^2 /NDF: 53331.2/48

3034.898 $\pm$ 0.641 χ^2 /NDF: 24592.1/24

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

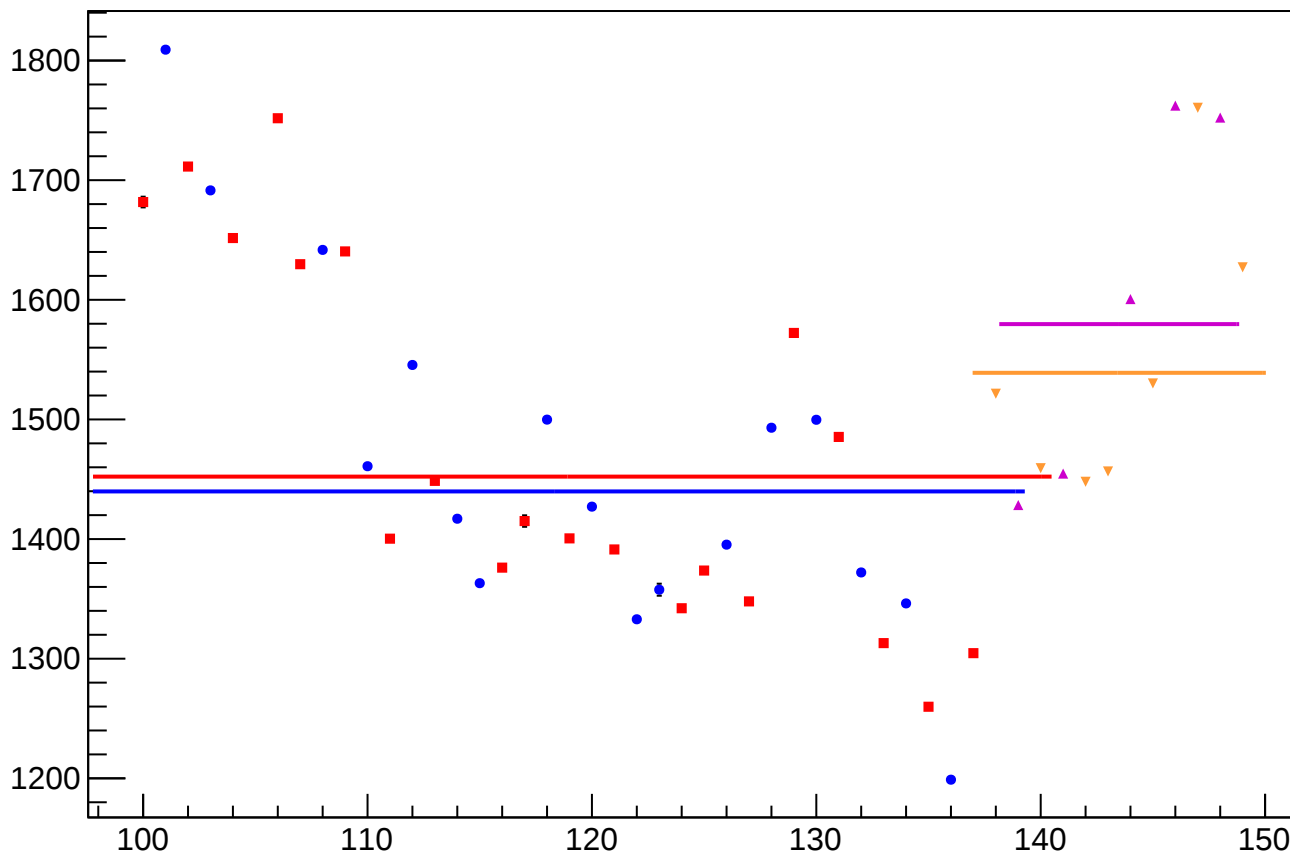
Left In: -16.681 $\pm$ 0.794 χ^2 /NDF:81.9/4

8.363 $\pm$ 0.435 χ^2 /NDF: 827.5/23

1.649 $\pm$ 0.313 χ^2 /NDF: 2327.0/48

-5.513 $\pm$ 0.449 χ^2 /NDF: 1007.4/24

diff_bpm0l01Y_rms vs Slug, Sign Corrected



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

Left Out: 1538.982 $\pm$ 0.489 χ^2/NDF : 42119.7/6

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

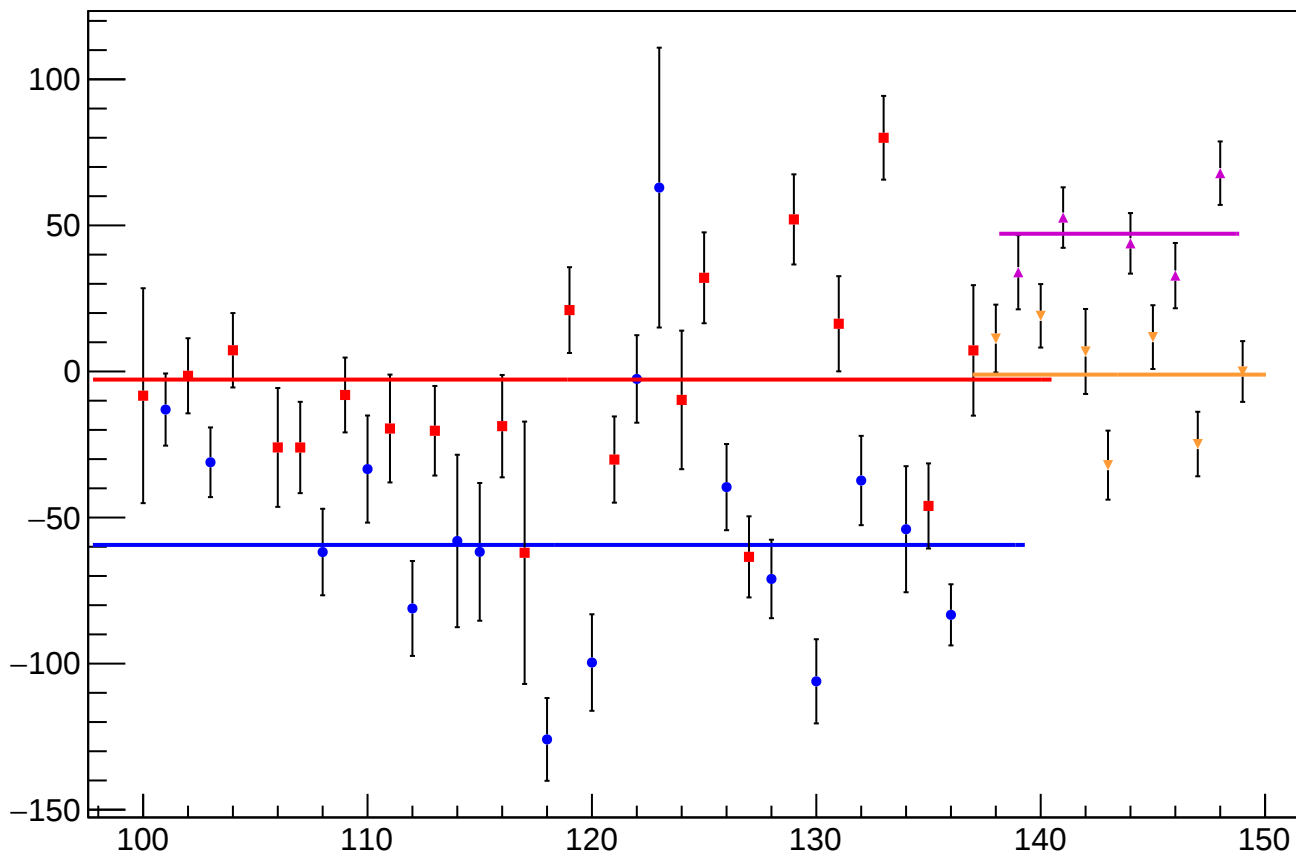
Left In: 1579.687 $\pm$ 0.561 χ^2/NDF : 61103.2/4

1479.017 $\pm$ 0.308 χ^2/NDF : 239772.7/23

1485.814 $\pm$ 0.221 χ^2/NDF : 475515.4/48

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

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -59.374 $\pm$ 3.729 χ^2 /NDF: 92.9/16

Left Out: -1.073 $\pm$ 4.319 χ^2 /NDF: 17.8/6

Right Out: -2.776 $\pm$ 3.618 χ^2 /NDF: 95.7/19

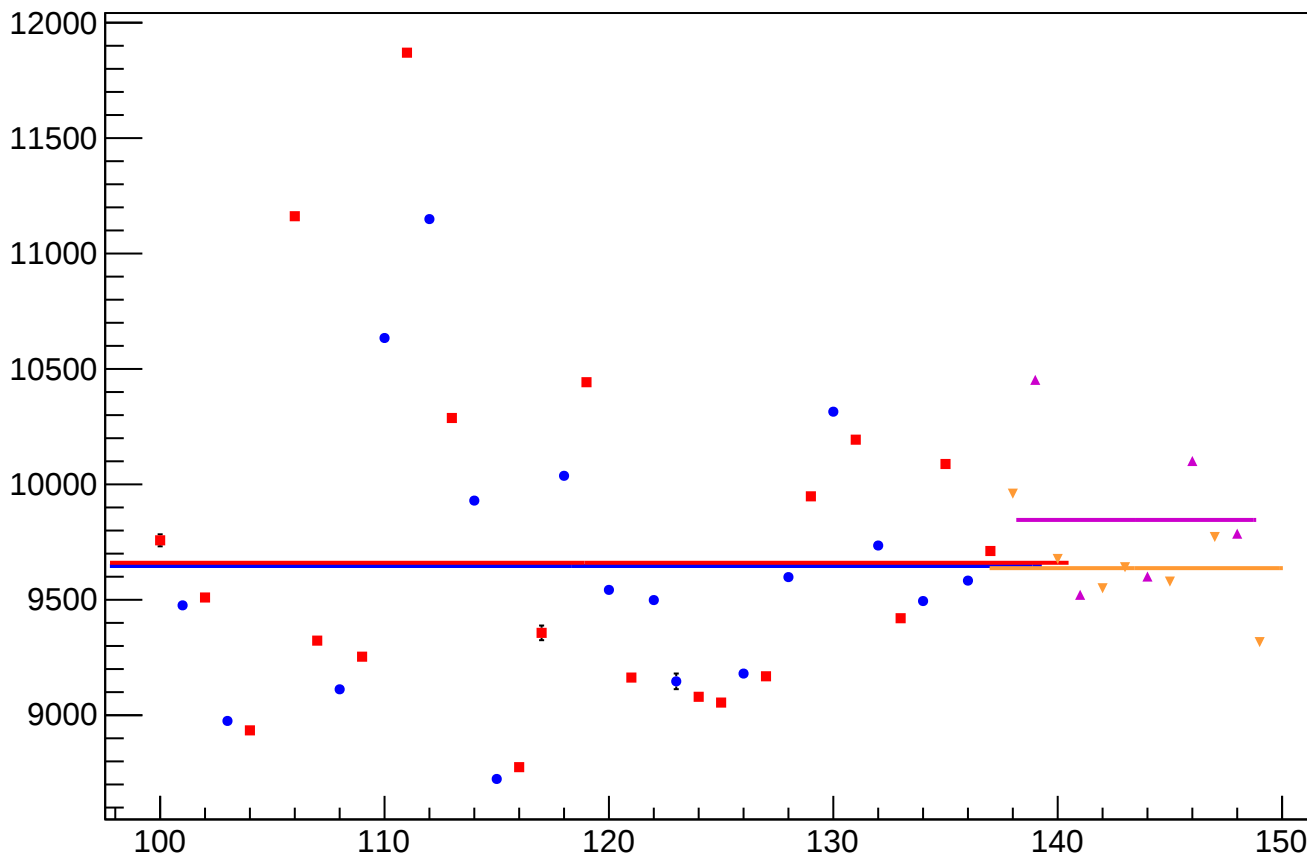
Left In: 47.147 $\pm$ 4.920 χ^2 /NDF: 6.8/4

-34.475 $\pm$ 2.822 χ^2 /NDF: 215.1/23

-10.656 $\pm$ 2.028 χ^2 /NDF: 531.5/48

14.745 $\pm$ 2.915 χ^2 /NDF: 169.3/24

diff_bpm0l02X_rms vs Slug, Sign Corrected



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

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

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

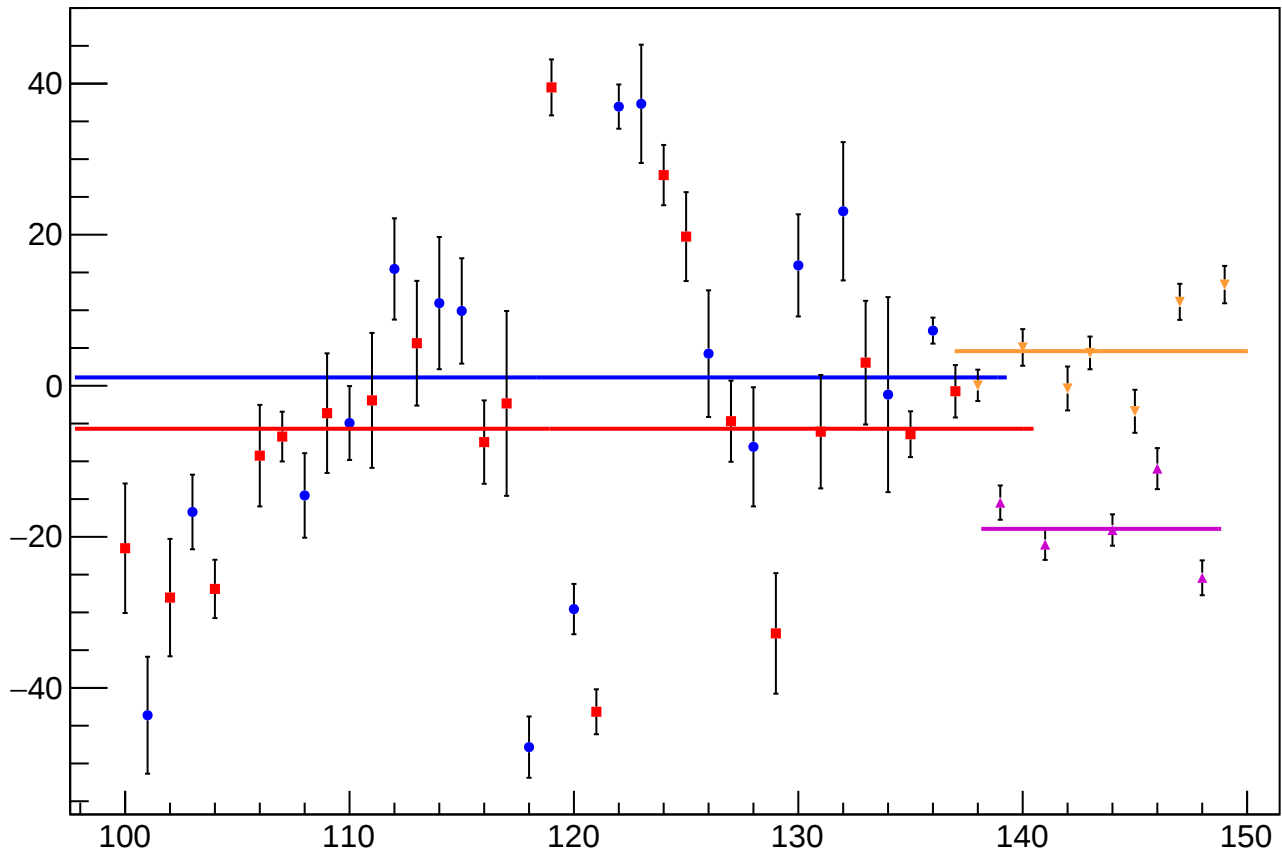
Left In: 9846.019+/-3.479 χ^2/NDF : 8755.3/4

9642.479+/-1.996 χ^2/NDF : 47962.5/23

9682.670+/-1.434 χ^2/NDF : 137080.0/48

9725.532+/-2.061 χ^2/NDF : 88279.4/24

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 $\chi^2/\text{NDF}: 456.0/19$

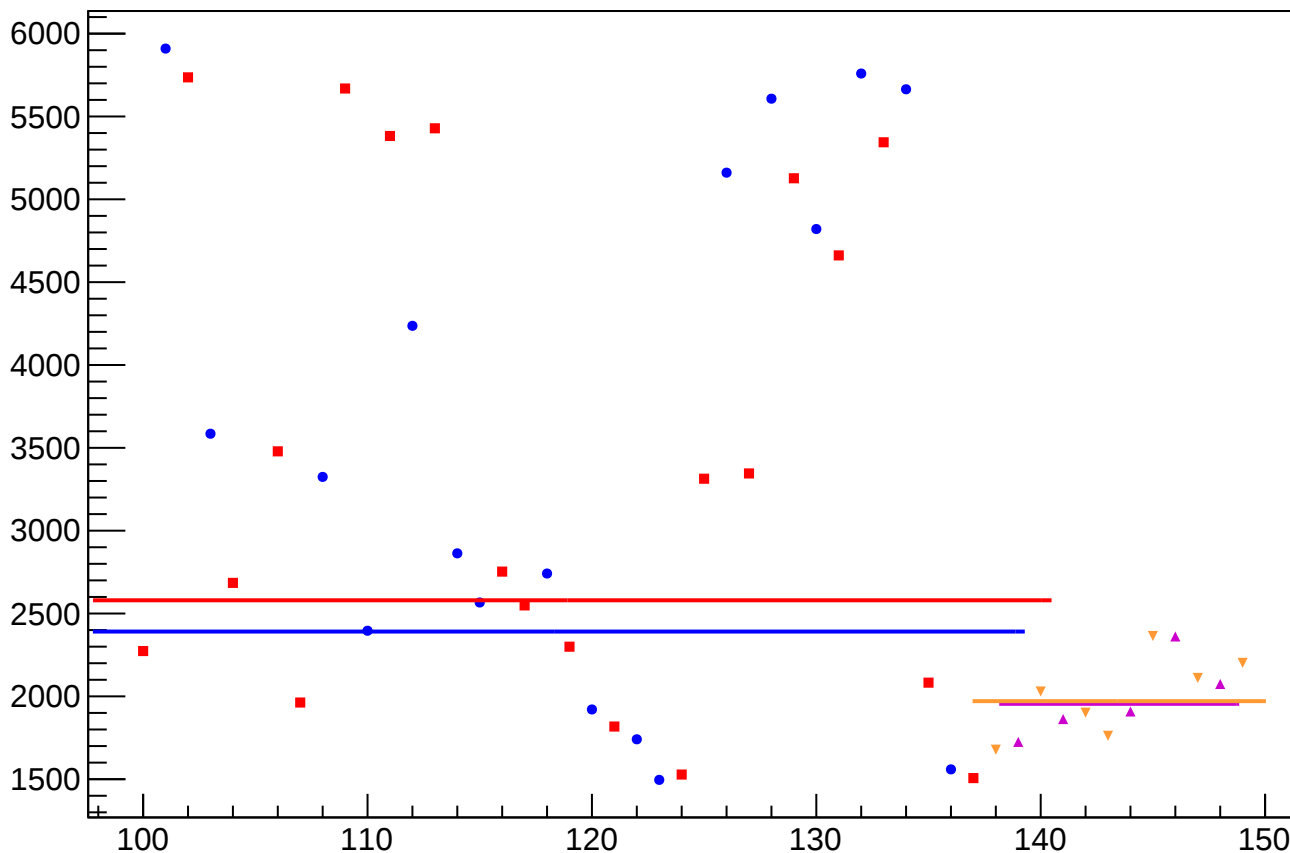
Left In: -18.945 ± 1.004 $\chi^2/\text{NDF}: 19.9/4$

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

-4.385 ± 0.505 $\chi^2/\text{NDF}: 1335.8/48$

-12.842 ± 0.737 $\chi^2/\text{NDF}: 556.2/24$

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 $\chi^2/\text{NDF}: 2365284.2/19$

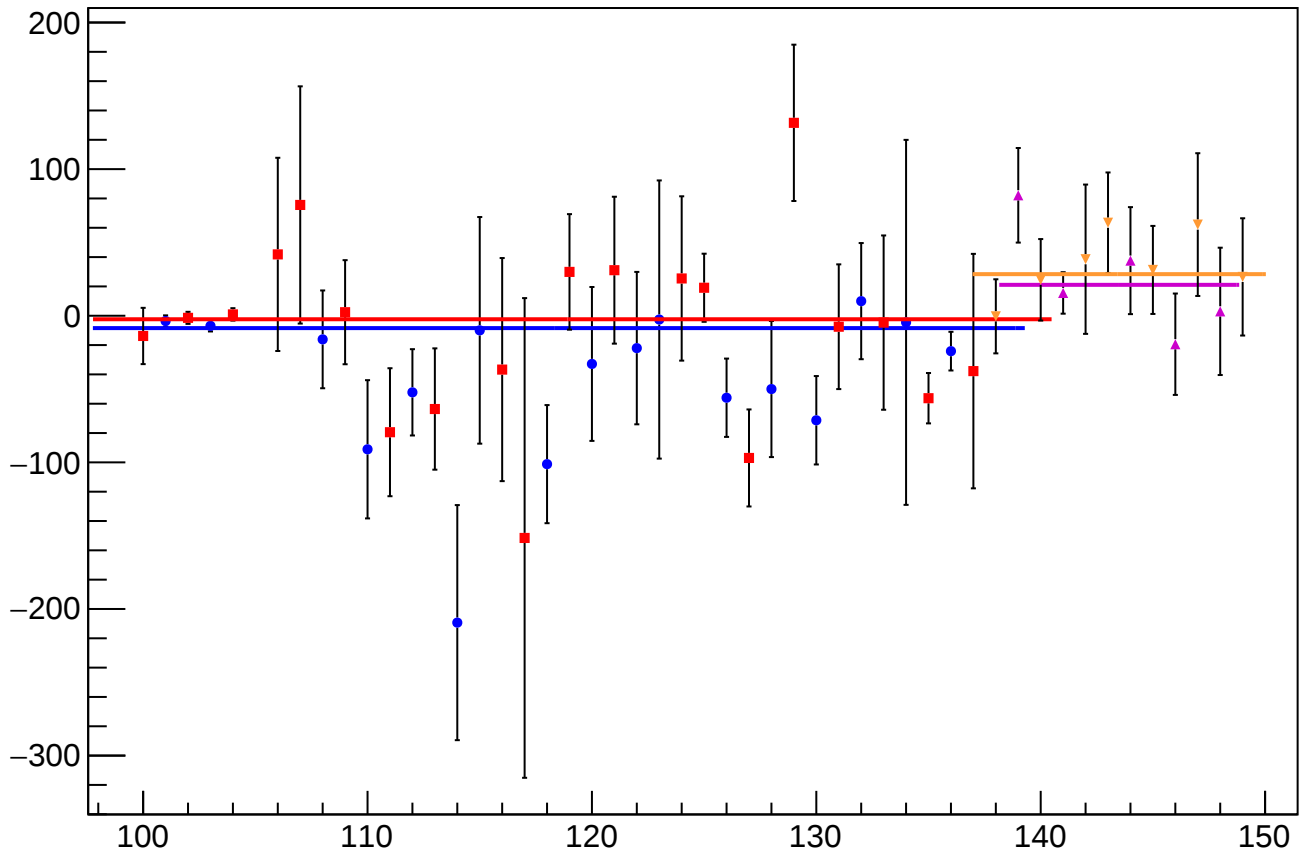
Left In: 1954.939 ± 0.710 $\chi^2/\text{NDF}: 75796.0/4$

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

2193.032 ± 0.357 $\chi^2/\text{NDF}: 5717512.1/48$

2242.609 ± 0.521 $\chi^2/\text{NDF}: 2797841.1/24$

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

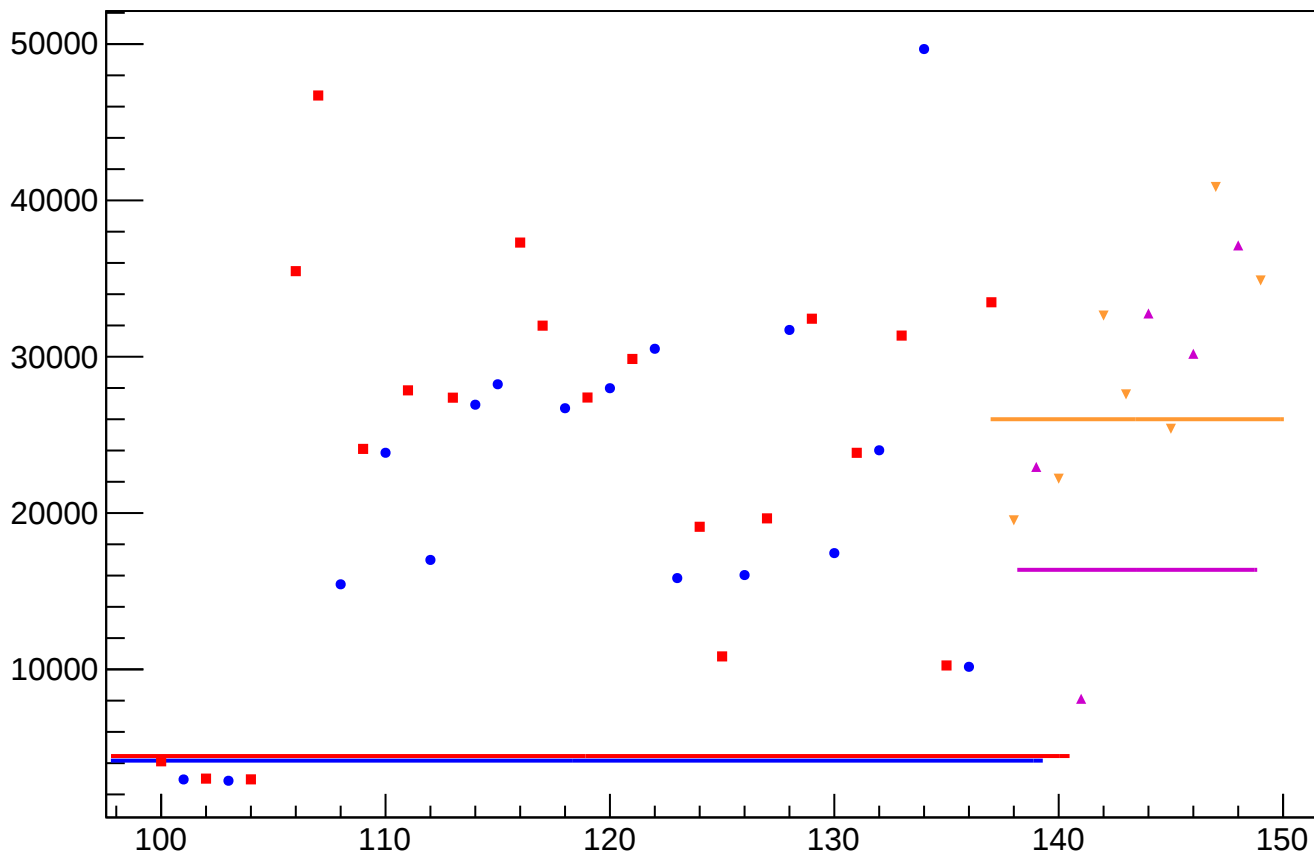
Left In: 21.080 ± 11.128 χ^2/NDF : 5.5/4

-6.951 ± 2.535 χ^2/NDF : 39.9/23

-4.170 ± 1.849 χ^2/NDF : 87.7/48

-1.007 ± 2.703 χ^2/NDF : 45.2/24

diff_bpm0l03X_rms vs Slug, Sign Corrected



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

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

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

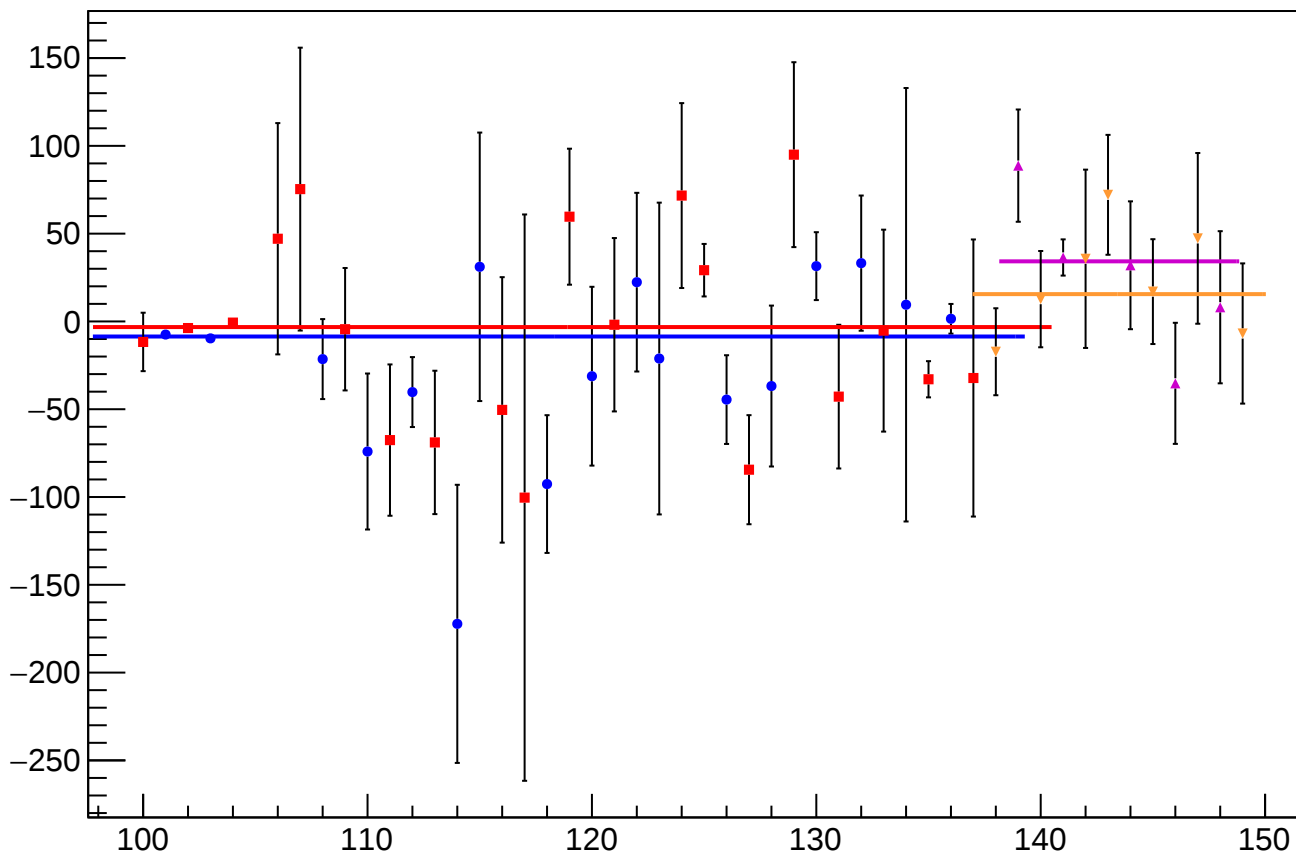
Left In: 16368.039+/-7.869 χ^2/NDF : 1943654.0/4

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

5095.199+/-1.307 χ^2/NDF : 23794900.9/4

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

diff_bpm0l03Y_mean vs Slug, Sign Corrected



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

Left Out: 15.553 $\pm$ 12.521 χ^2/NDF : 5.4/6

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

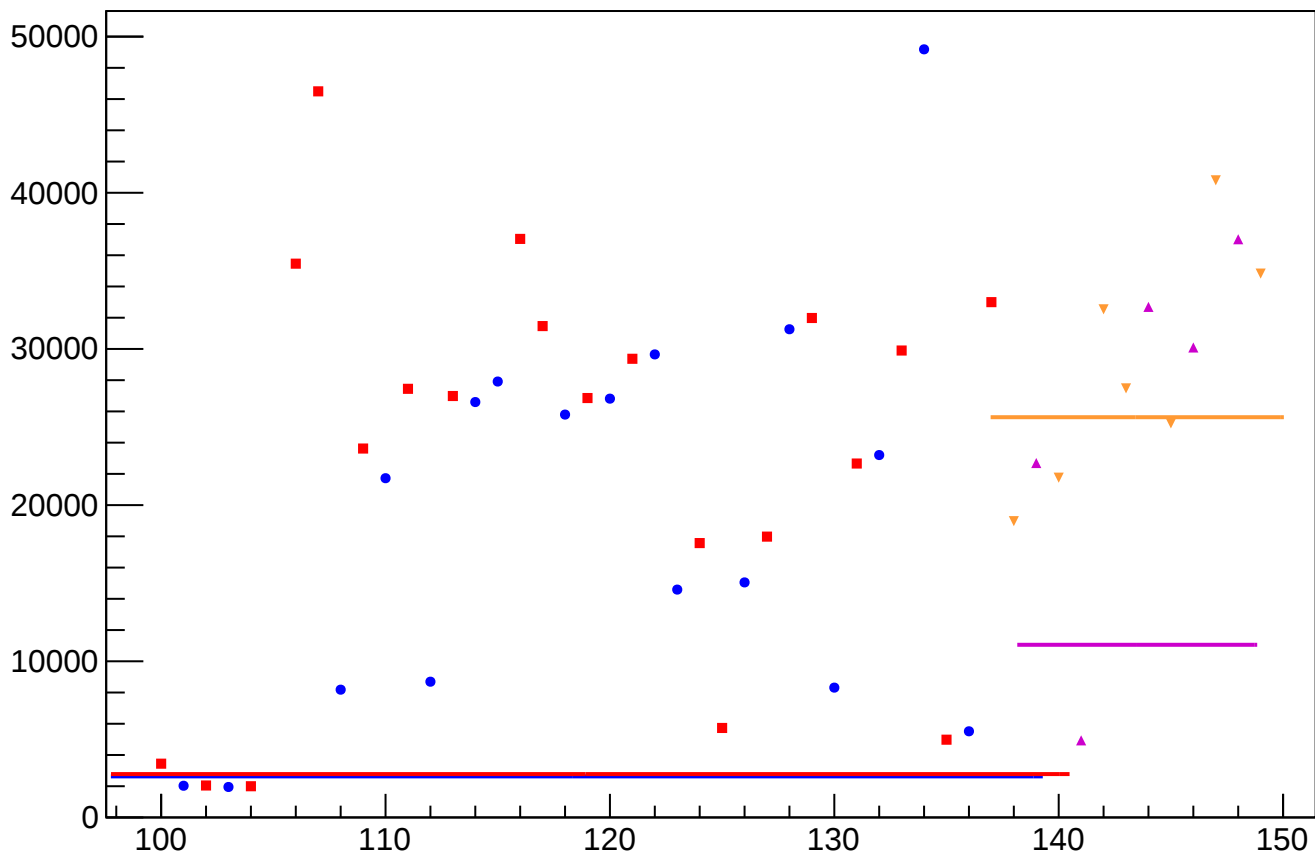
Left In: 34.221 $\pm$ 8.940 χ^2/NDF : 7.4/4

-8.109 $\pm$ 1.760 χ^2/NDF : 33.5/23

-5.046 $\pm$ 1.285 χ^2/NDF : 101.3/48

-1.554 $\pm$ 1.879 χ^2/NDF : 61.4/24

diff_bpm0l03Y_rms vs Slug, Sign Corrected



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

Left Out: 25629.052 +/- 8.854 χ^2/NDF : 528420.7/6

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

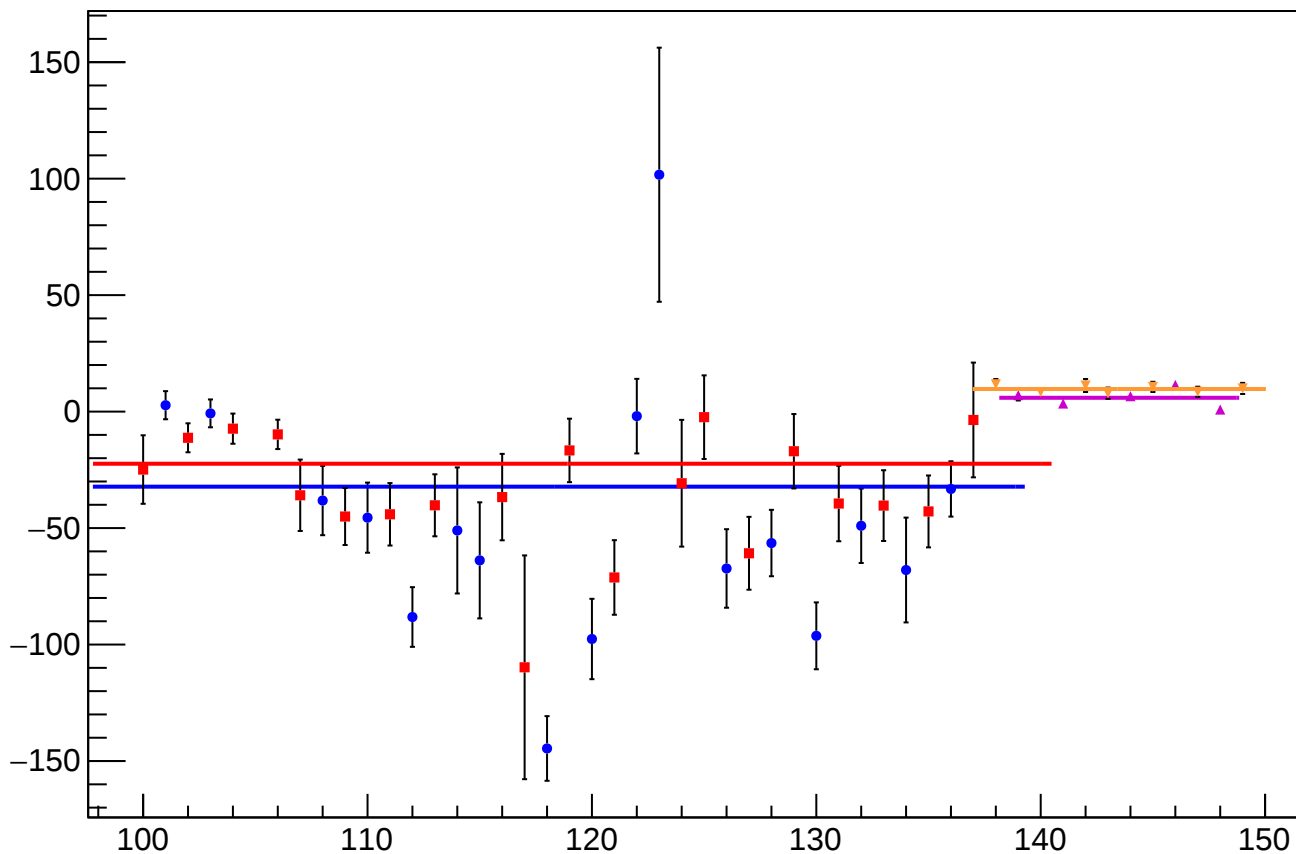
Left In: 11056.243 +/- 6.322 χ^2/NDF : 3003912.2/4

3085.023 +/- 1.245 χ^2/NDF : 12731916.0/23

3112.251 +/- 0.908 χ^2/NDF : 25275261.9/4

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

diff_bpm0l04X_mean vs Slug, Sign Corrected



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

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

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

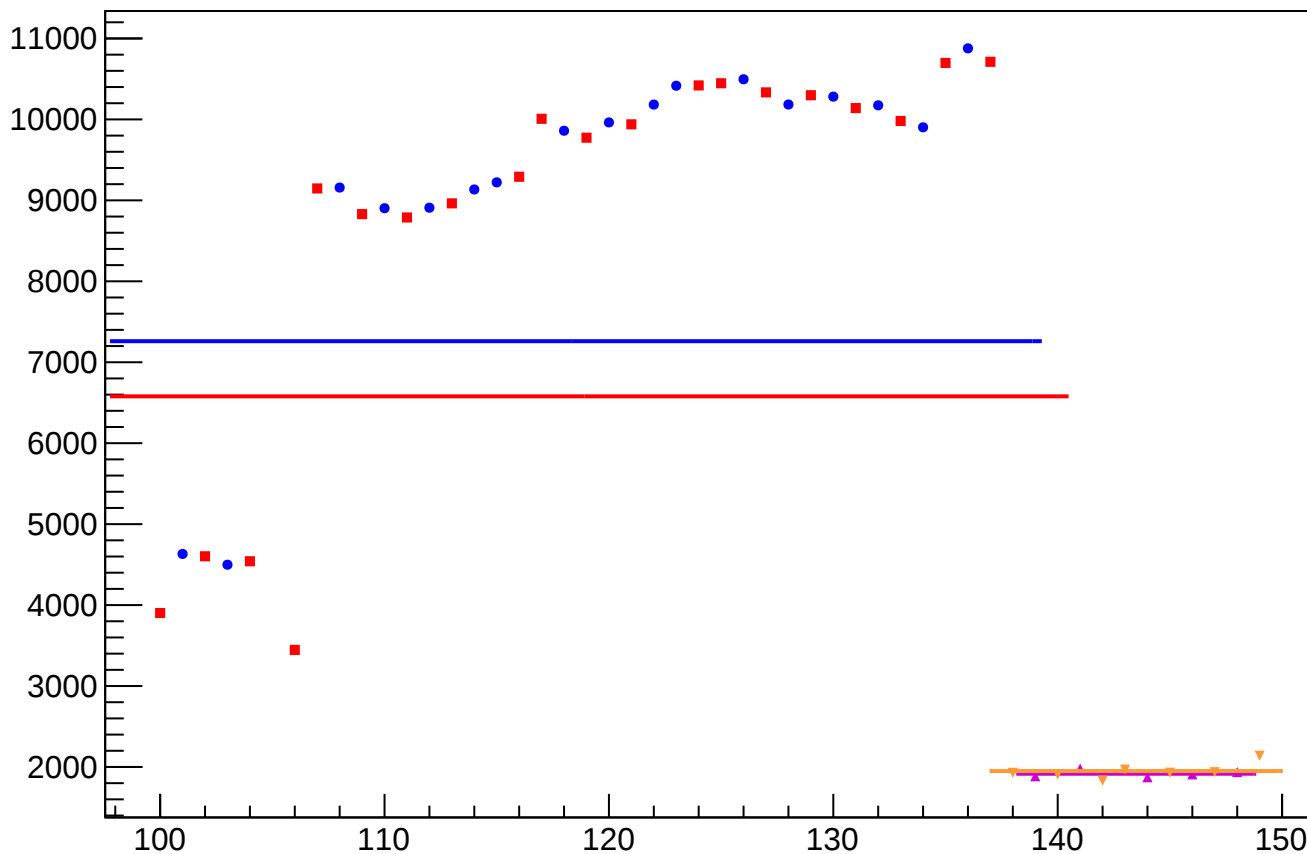
Left In: 5.932 ± 0.958 $\chi^2/\text{NDF}: 14.0/4$

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

4.665 ± 0.614 $\chi^2/\text{NDF}: 558.0/48$

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

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

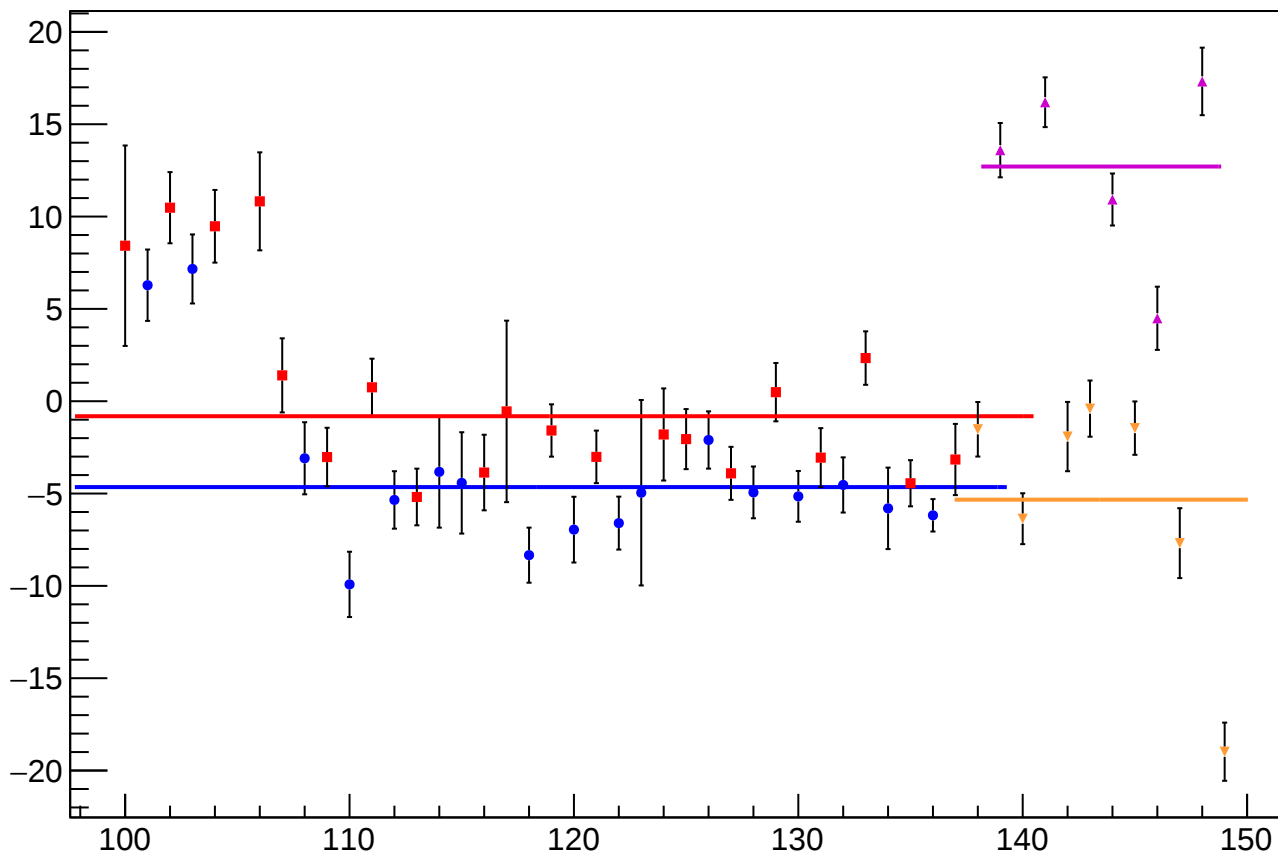
Left In: 1916.416+/-0.677 χ^2/NDF : 3292.4/4

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

2407.091+/-0.434 χ^2/NDF : 15135517.0/4

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

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

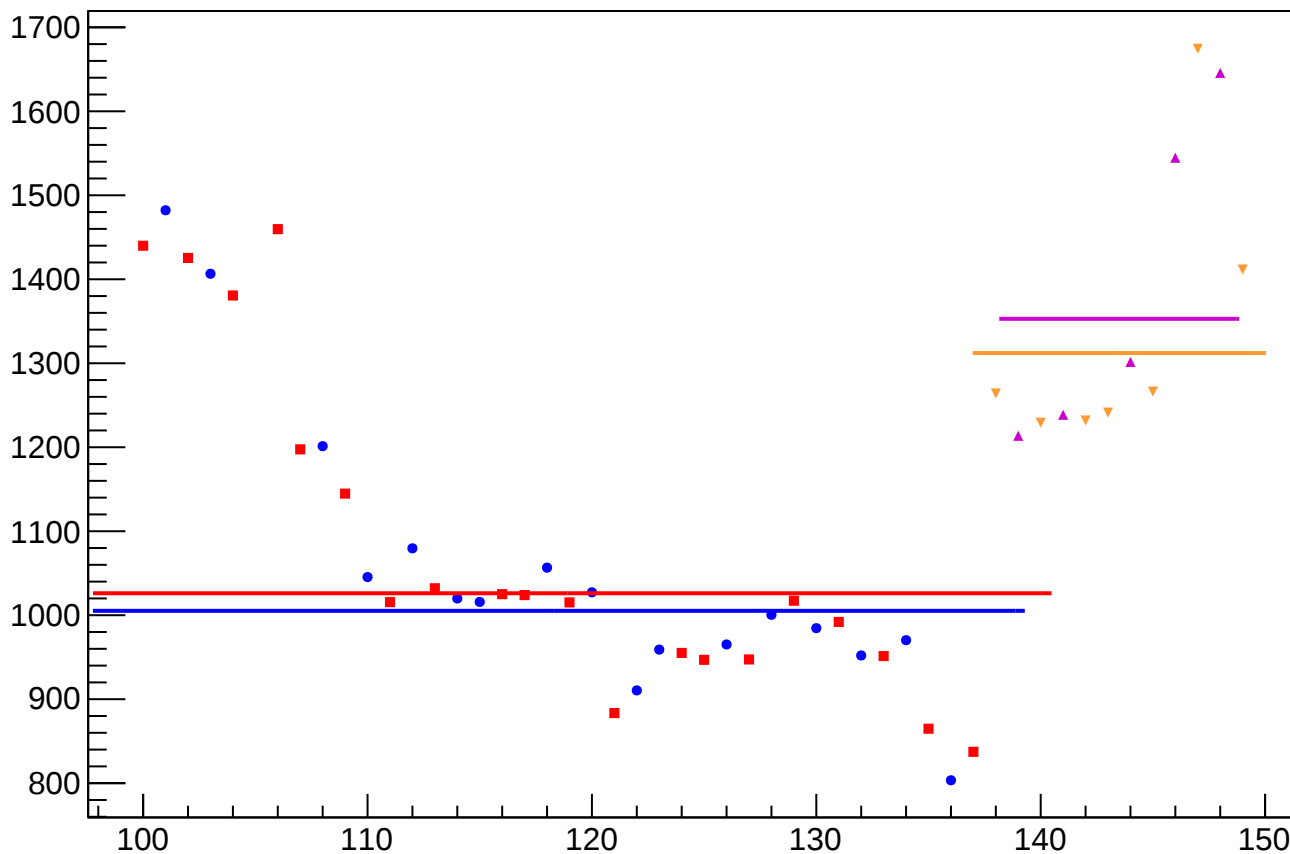
Left In: 12.709 ± 0.681 χ^2/NDF : 38.0/4

-4.859 ± 0.327 χ^2/NDF : 203.3/23

-1.289 ± 0.235 χ^2/NDF : 908.4/48

2.493 ± 0.337 χ^2/NDF : 459.7/24

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

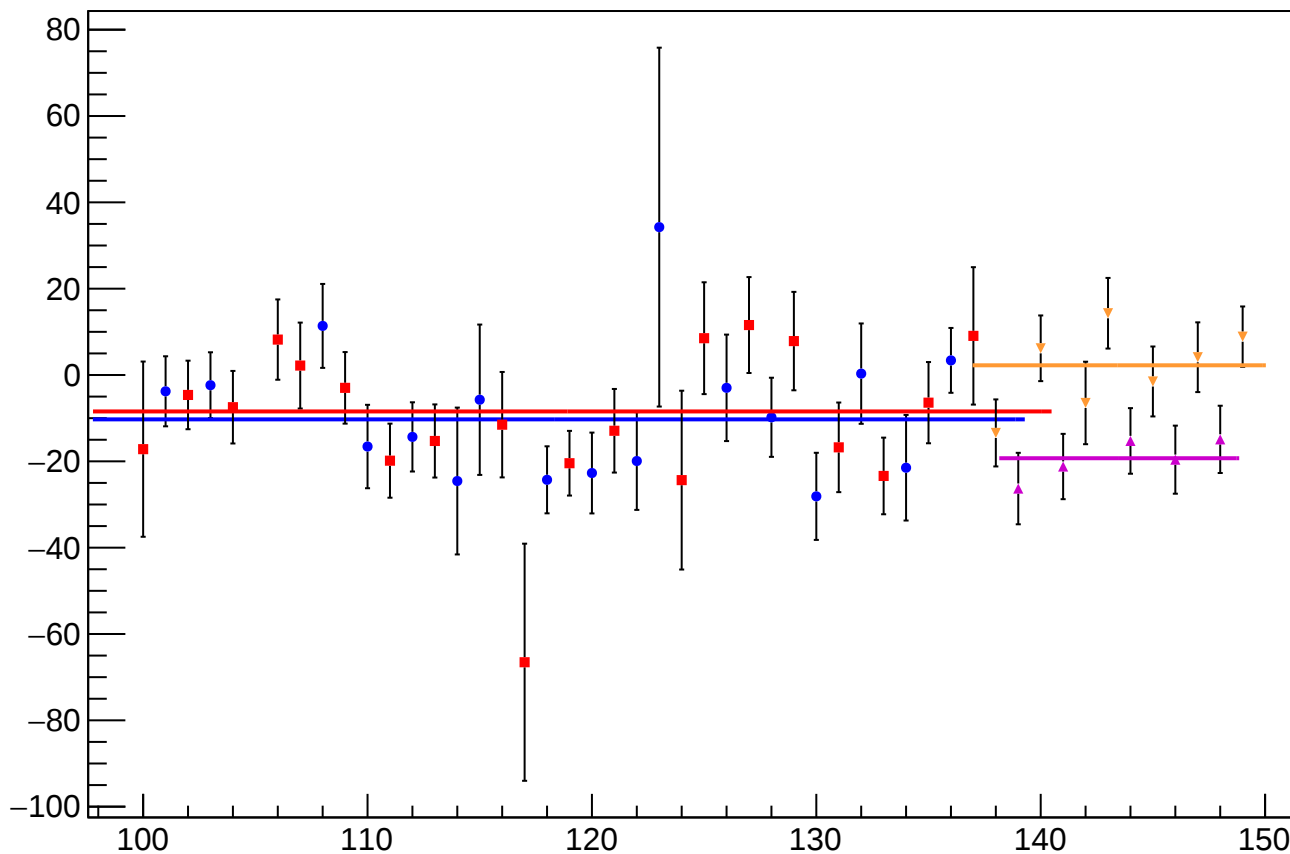
Left In: 1352.908 $\pm$ 0.481 χ^2/NDF : 111349.8/4

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

1102.502 $\pm$ 0.166 χ^2/NDF : 1629704.4/48

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

diff_bpm0l05X_mean vs Slug, Sign Corrected



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

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

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

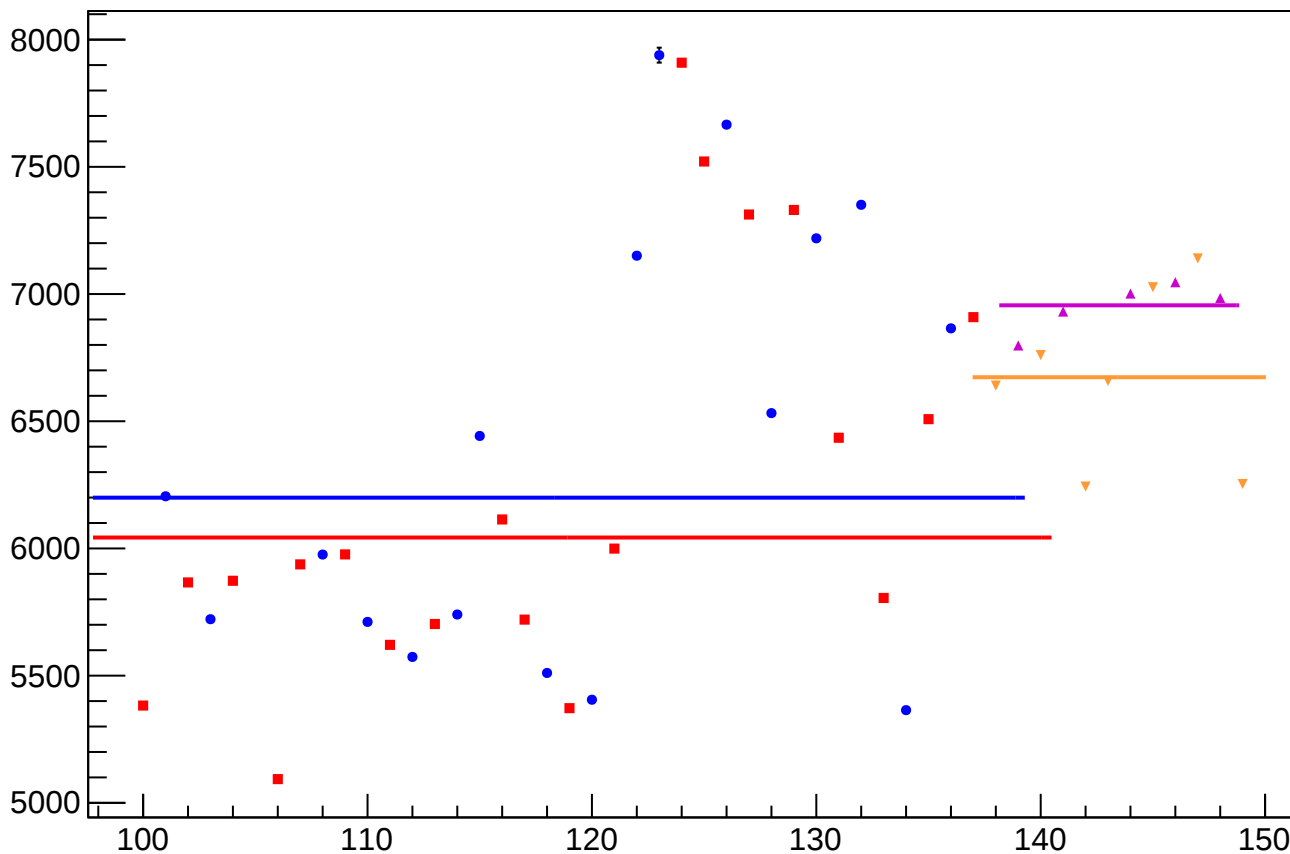
Left In: -19.281 ± 3.494 χ^2/NDF : 1.4/4

-5.379 ± 1.879 χ^2/NDF : 42.6/23

-8.478 ± 1.337 χ^2/NDF : 83.5/48

-11.660 ± 1.904 χ^2/NDF : 35.4/24

diff_bpm0l05X_rms vs Slug, Sign Corrected



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

Left Out: 6673.034 $\pm$ 2.125 χ^2/NDF : 22045.7/6

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

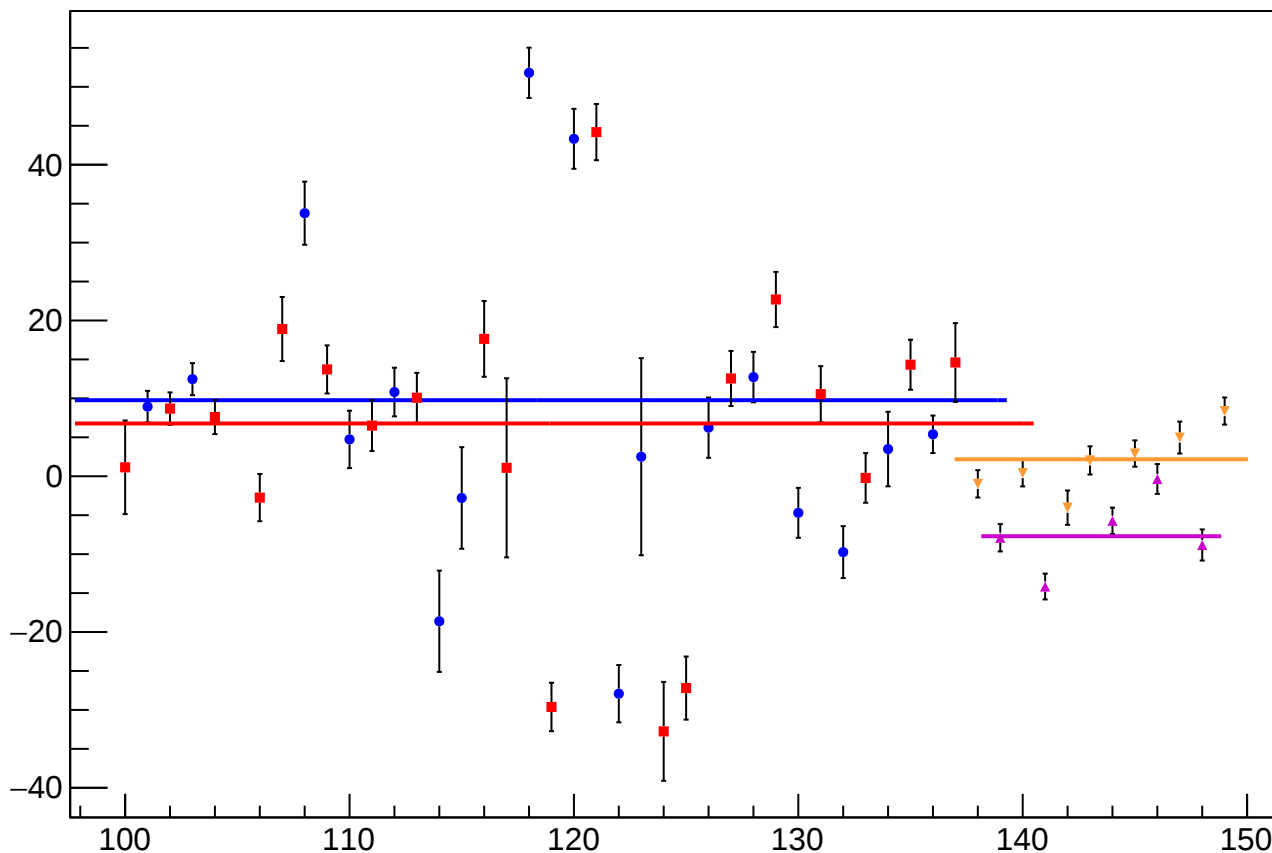
Left In: 6955.682 $\pm$ 2.470 χ^2/NDF : 1113.1/4

6384.735 $\pm$ 1.329 χ^2/NDF : 224038.7/23

6349.837 $\pm$ 0.946 χ^2/NDF : 481122.8/48

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

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

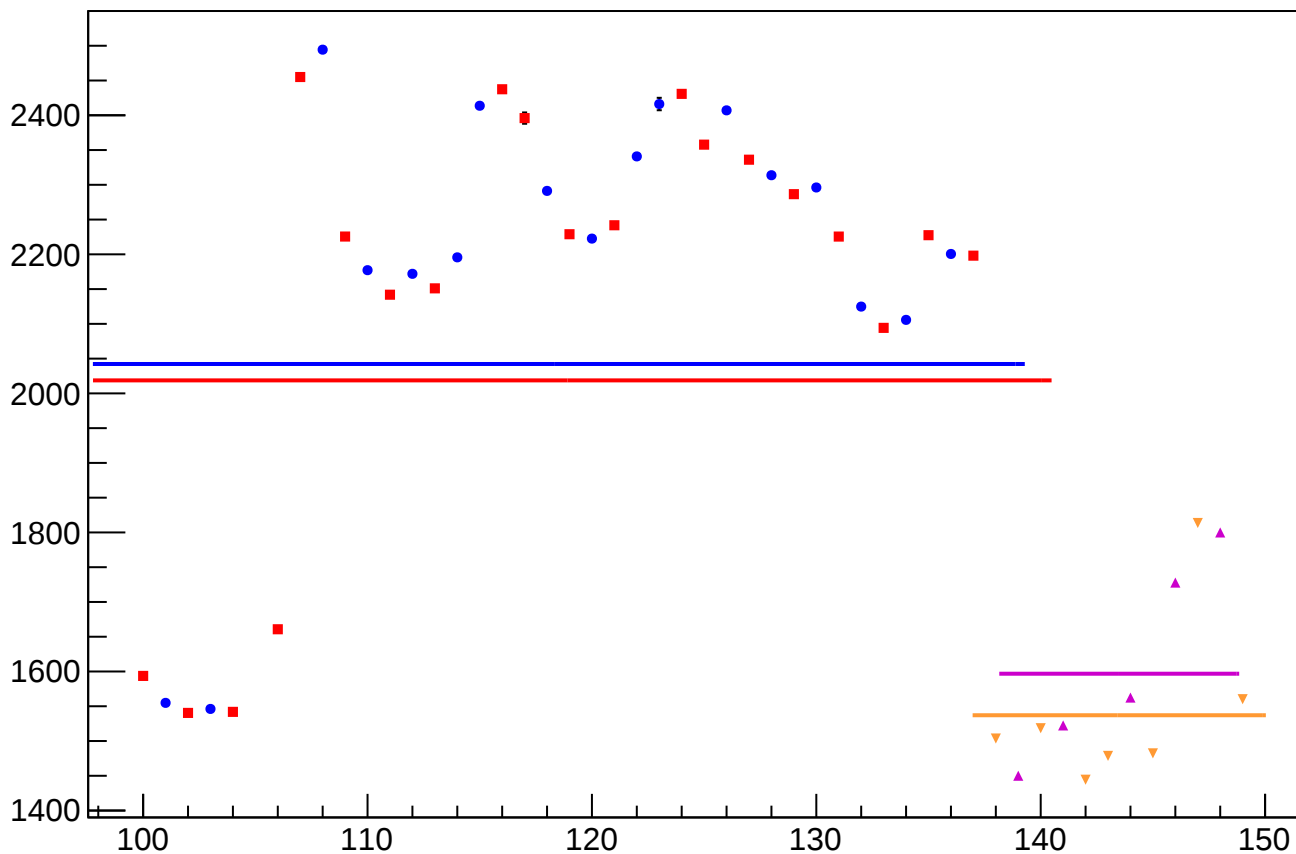
Left In: -7.701 ± 0.801 χ^2/NDF : 31.6/4

5.434 ± 0.522 χ^2/NDF : 552.5/23

2.818 ± 0.379 χ^2/NDF : 1230.6/48

-0.113 ± 0.552 χ^2/NDF : 624.9/24

diff_bpm0l05Y_rms vs Slug, Sign Corrected



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

Left Out: 1537.071+/-0.488 χ^2/NDF : 45419.5/6

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

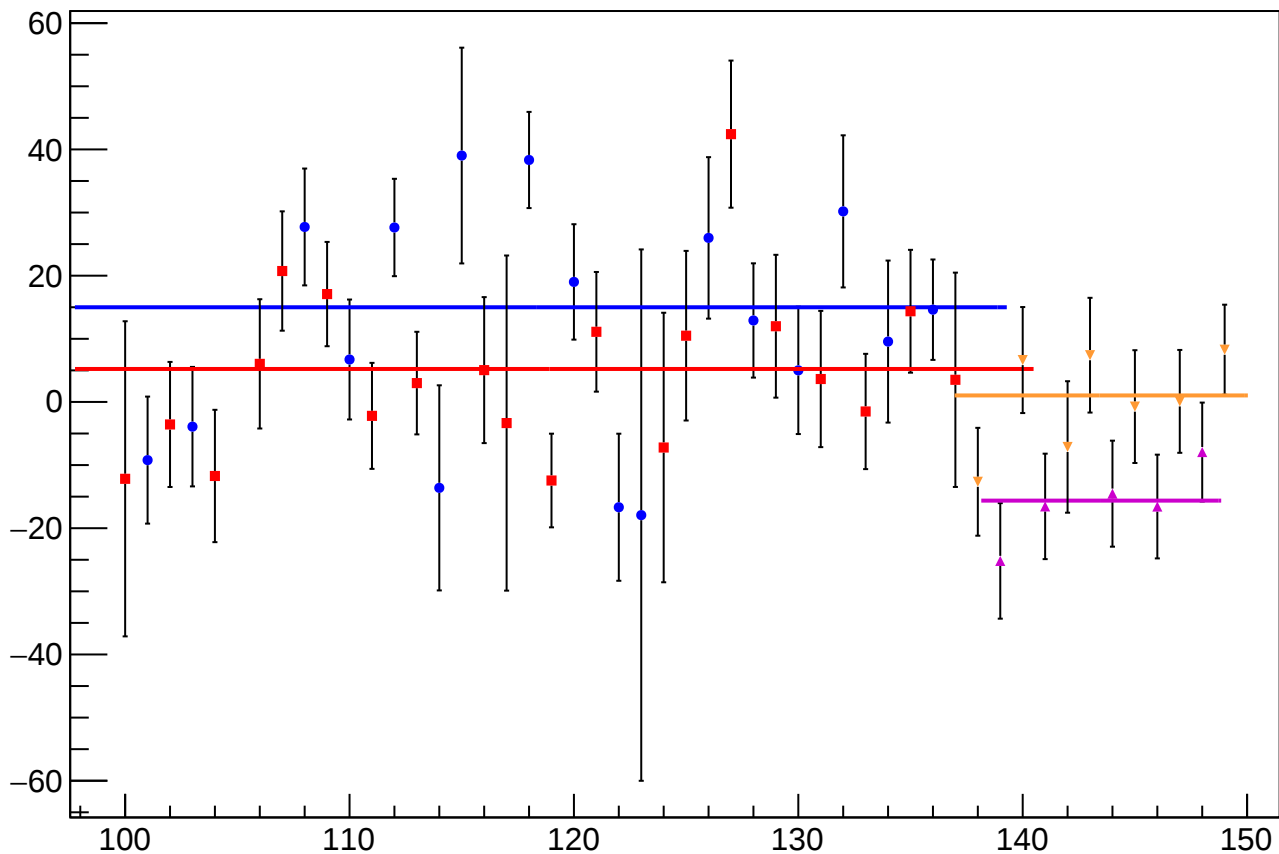
Left In: 1596.794+/-0.566 χ^2/NDF : 48787.0/4

1753.807+/-0.369 χ^2/NDF : 861260.9/23

1784.052+/-0.268 χ^2/NDF : 1592999.7/48

1817.940+/-0.391 χ^2/NDF : 717497.4/24

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

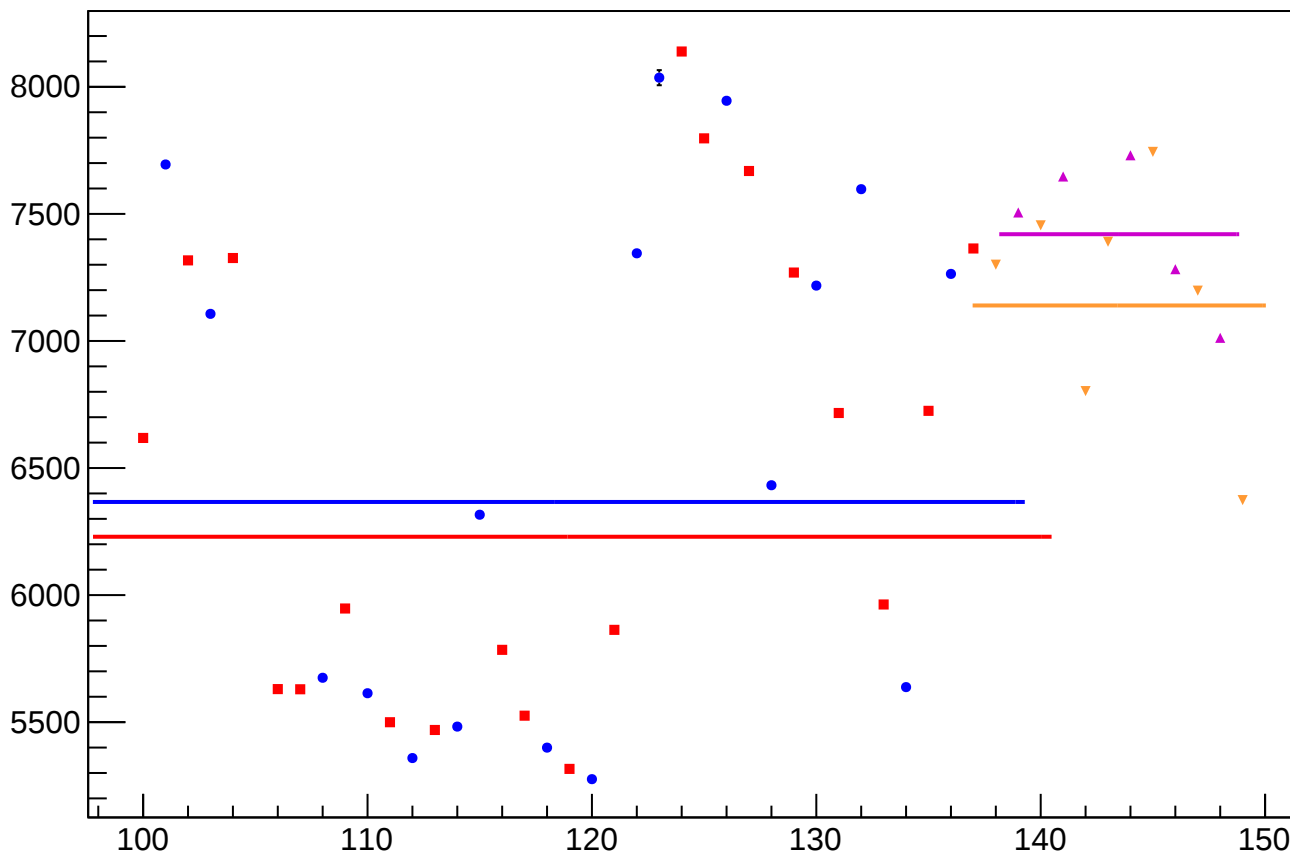
Left In: -15.630 $\pm$ 3.738 χ^2/NDF : 2.1/4

9.782 $\pm$ 1.967 χ^2/NDF : 58.3/23

4.608 $\pm$ 1.398 χ^2/NDF : 124.9/48

-0.678 $\pm$ 1.988 χ^2/NDF : 52.6/24

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

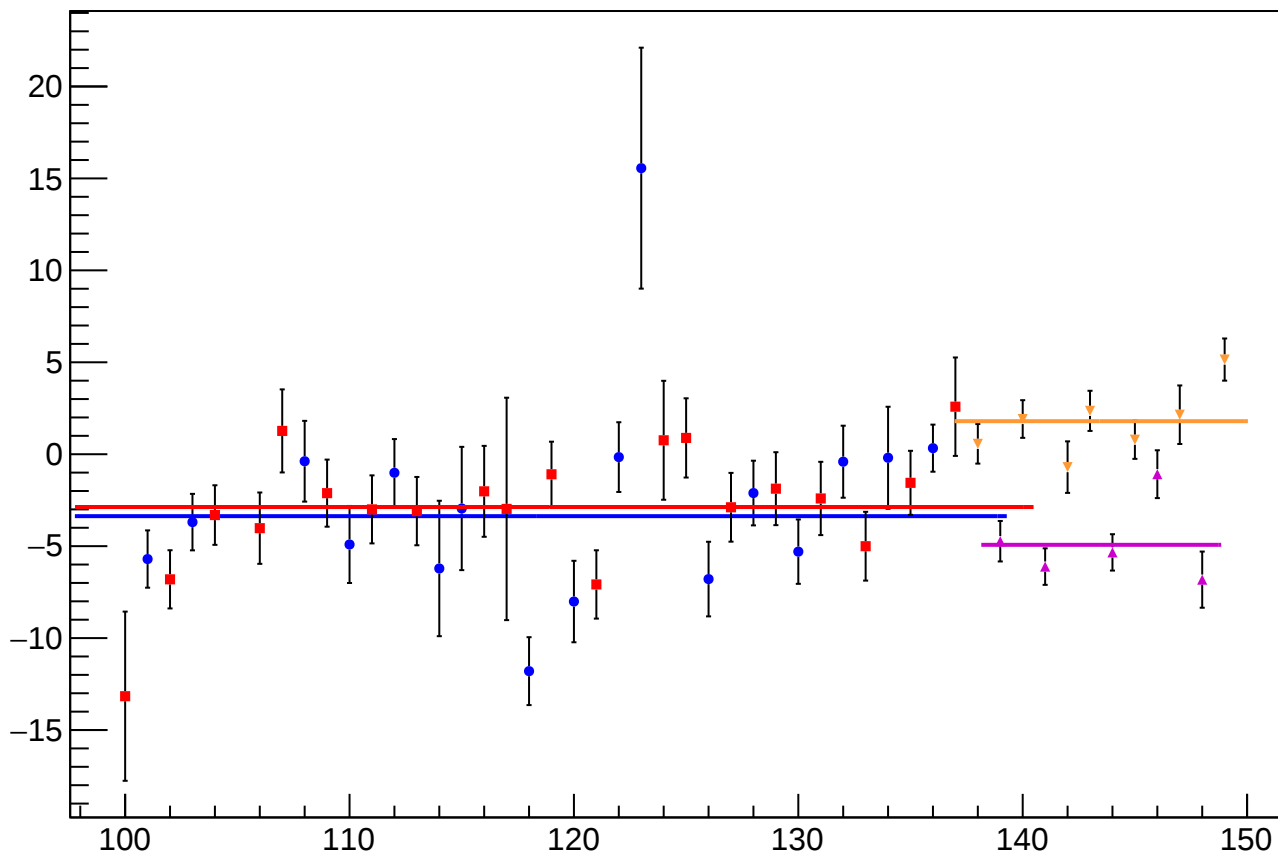
Left In: 7420.105+/-2.643 χ^2/NDF : 10369.8/4

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

6611.322+/-0.989 χ^2/NDF : 800711.1/48

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

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

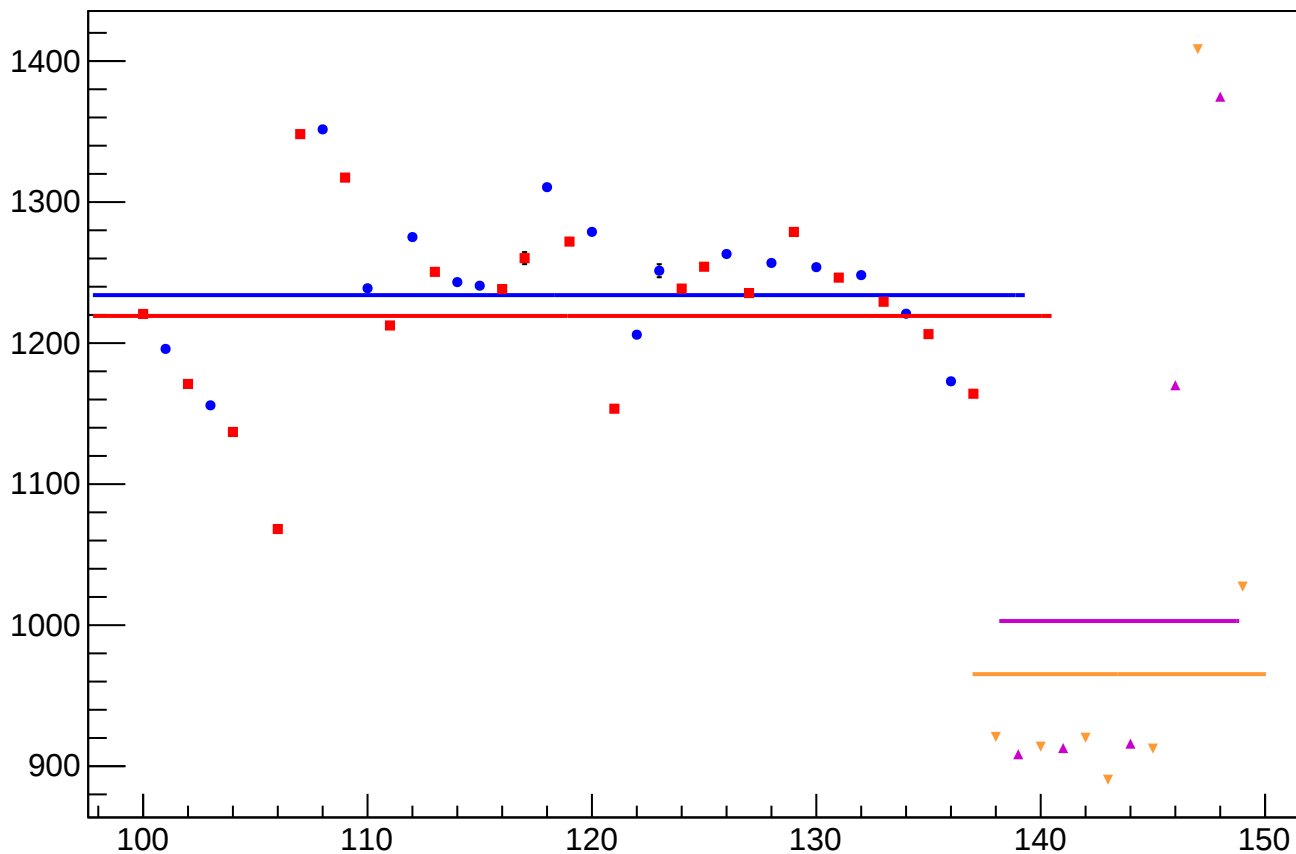
Left In: -4.927 ± 0.508 χ^2/NDF : 11.9/4

-0.566 ± 0.322 χ^2/NDF : 138.2/23

-2.092 ± 0.233 χ^2/NDF : 238.8/48

-3.787 ± 0.339 χ^2/NDF : 53.0/24

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

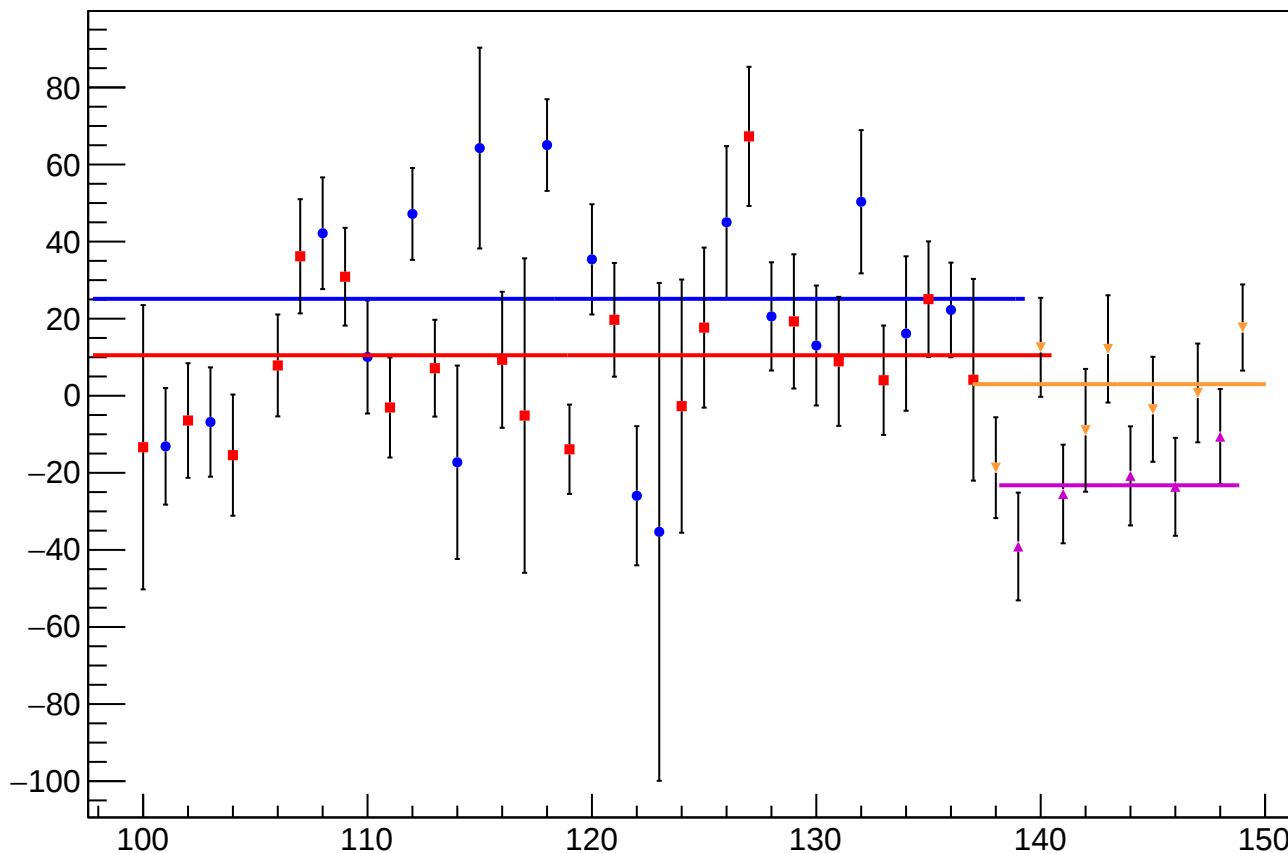
Left In: 1002.944 $\pm$ 0.359 χ^2 /NDF:198181.3/4

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

1104.640 $\pm$ 0.165 χ^2 /NDF: 1007133.3/48

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

diff_bpm0l07X_mean vs Slug, Sign Corrected



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

Left Out: 3.005 ± 4.969 $\chi^2/\text{NDF}: 6.3/6$

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

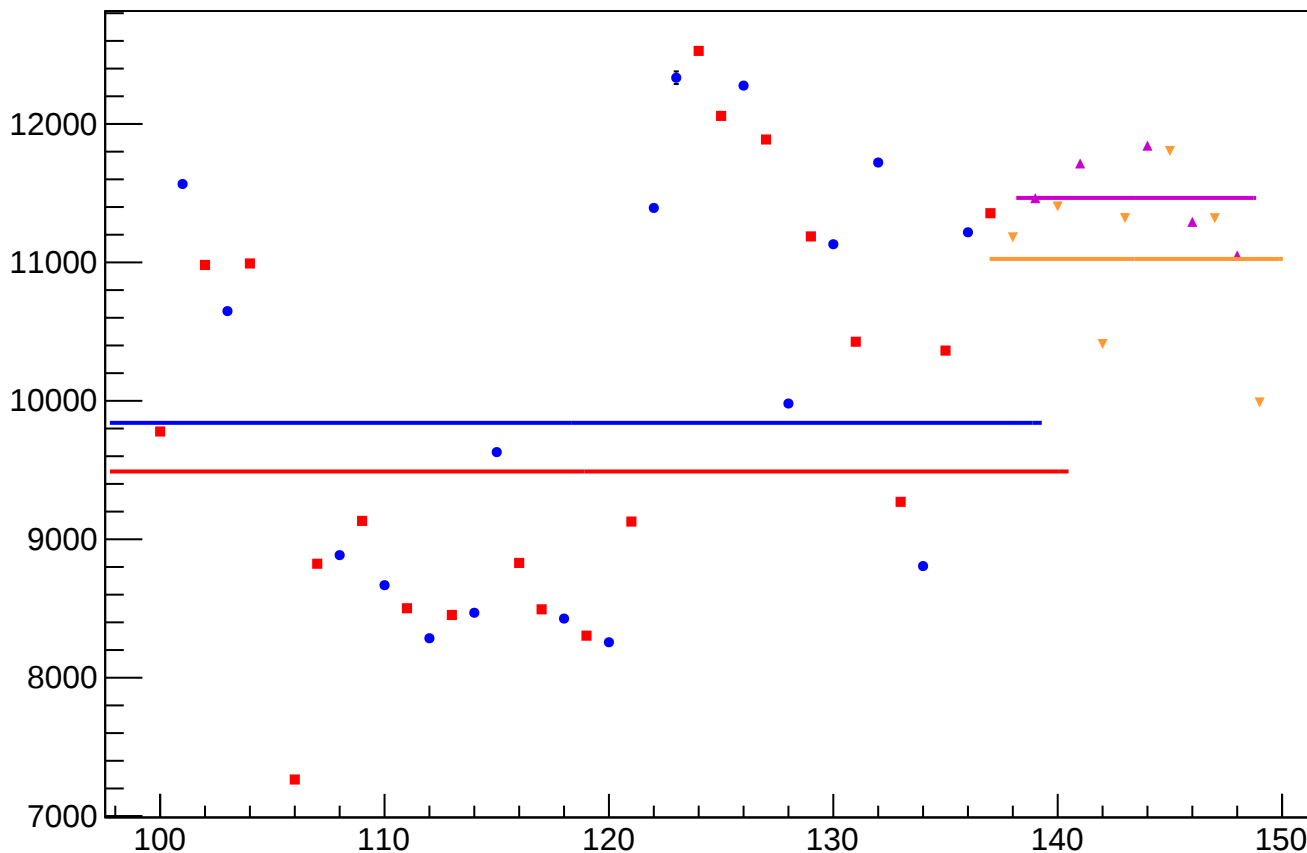
Left In: -23.232 ± 5.771 $\chi^2/\text{NDF}: 2.4/4$

16.877 ± 3.037 $\chi^2/\text{NDF}: 65.7/23$

9.019 ± 2.150 $\chi^2/\text{NDF}: 134.0/48$

1.132 ± 3.043 $\chi^2/\text{NDF}: 54.9/24$

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

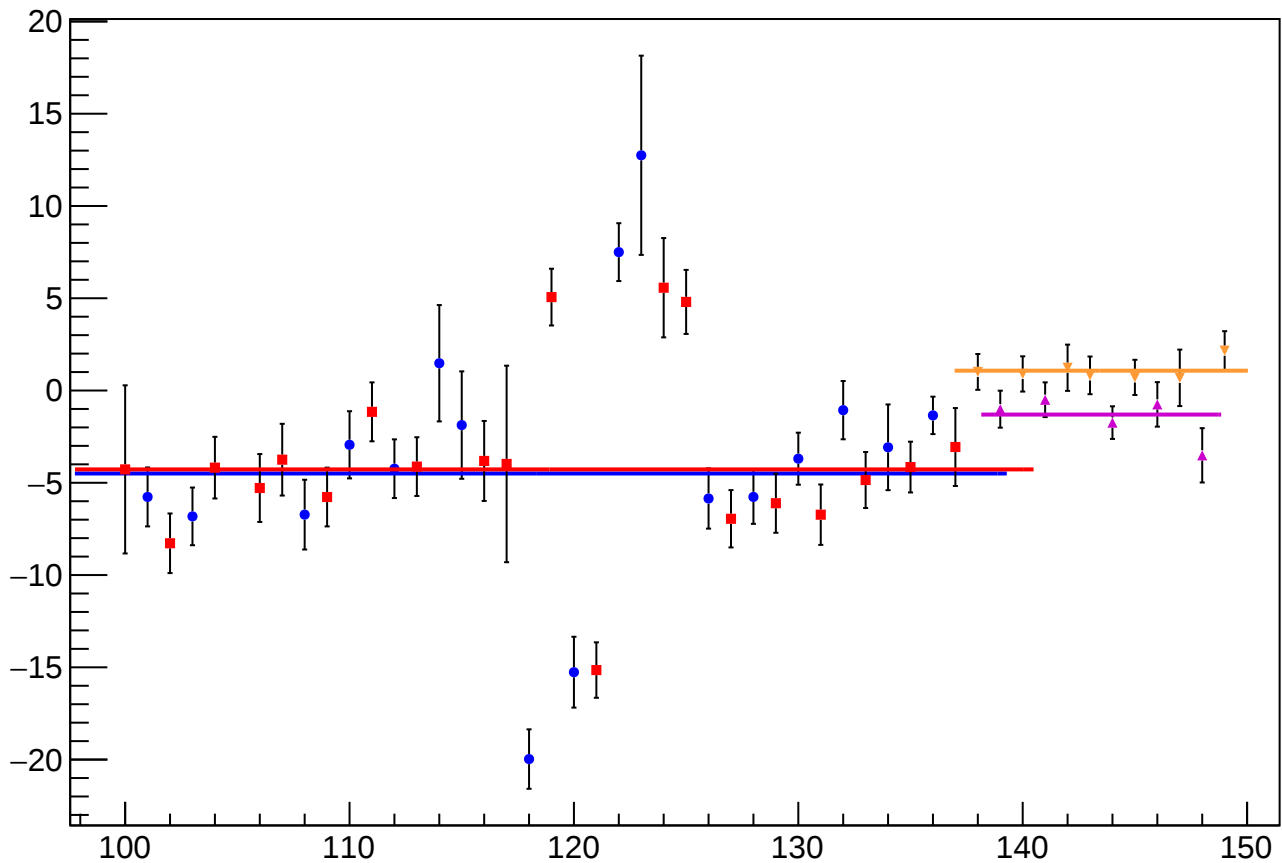
Left In: 11465.835 $\pm$ 4.081 χ^2/NDF : 5120.2/4

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

10161.460 $\pm$ 1.520 χ^2/NDF : 820674.9/48

10039.079 $\pm$ 2.151 χ^2/NDF : 452339.8/24

diff_bpm0l07Y_mean vs Slug, Sign Corrected



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

Left Out: 1.075 ± 0.402 χ^2/NDF : 1.4/6

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

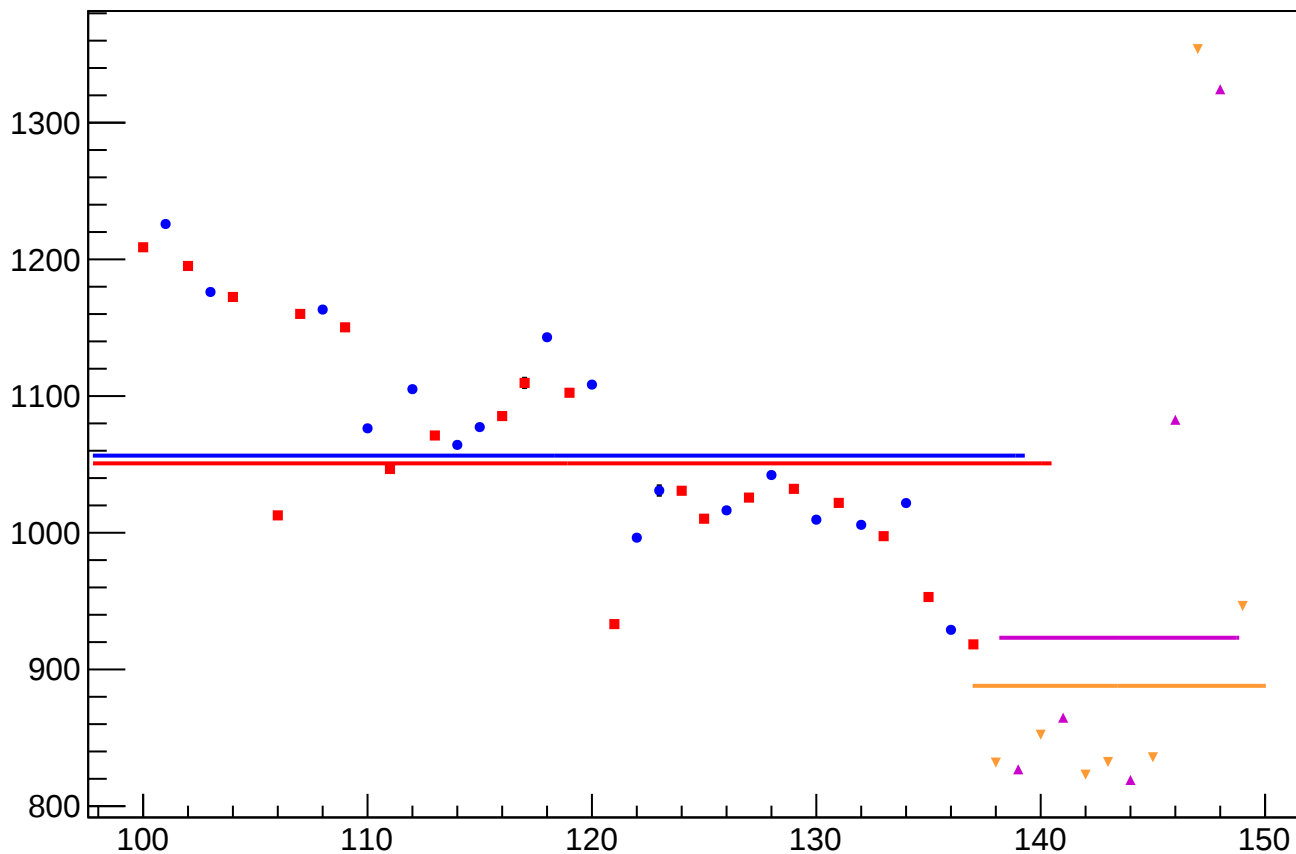
Left In: -1.304 ± 0.469 χ^2/NDF : 3.5/4

-1.670 ± 0.287 χ^2/NDF : 314.3/23

-2.326 ± 0.208 χ^2/NDF : 500.7/48

-3.049 ± 0.301 χ^2/NDF : 175.4/24

diff_bpm0l07Y_rms vs Slug, Sign Corrected



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

Left Out: 888.014 $\pm$ 0.284 χ^2/NDF : 218299.5/6

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

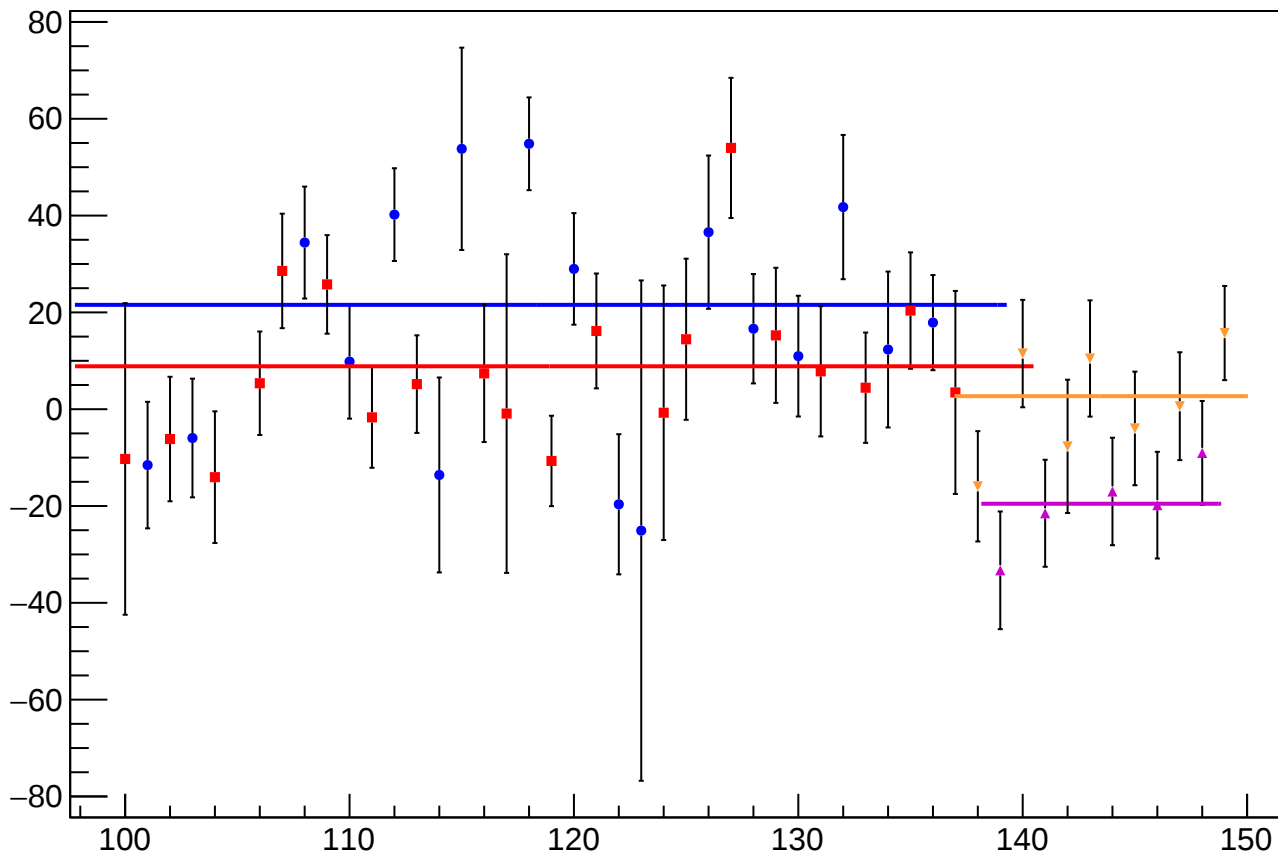
Left In: 923.192 $\pm$ 0.331 χ^2/NDF : 237471.8/4

970.997 $\pm$ 0.203 χ^2/NDF : 481819.3/23

983.887 $\pm$ 0.147 χ^2/NDF : 897495.7/48

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

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

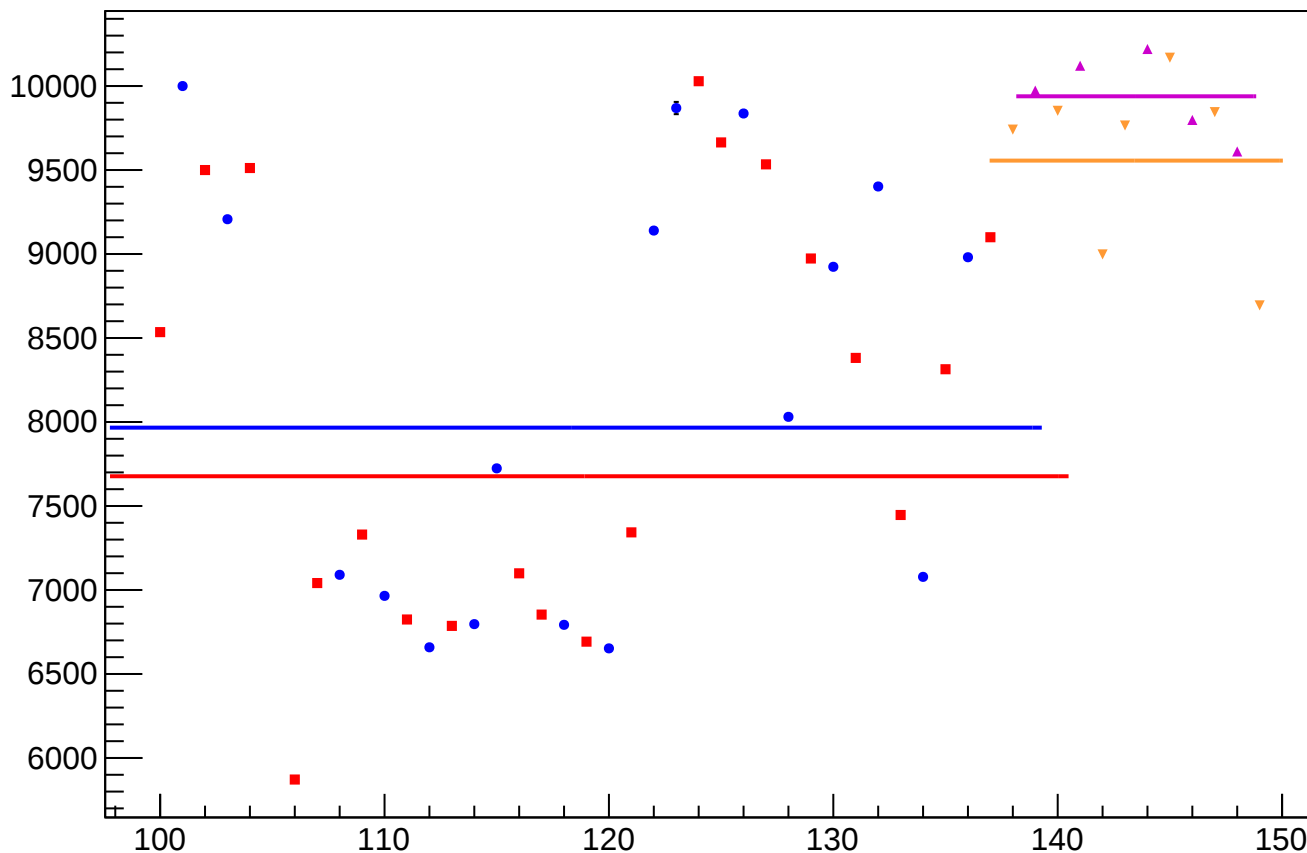
Left In: -19.530 $\pm$ 5.001 χ^2/NDF : 2.3/4

15.094 $\pm$ 2.521 χ^2/NDF : 67.4/23

8.373 $\pm$ 1.779 χ^2/NDF : 135.6/48

1.719 $\pm$ 2.509 χ^2/NDF : 54.0/24

diff_bpm0l08X_rms vs Slug, Sign Corrected



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

Left Out: 9556.020 $\pm$ 3.045 χ^2/NDF : 28332.9/6

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

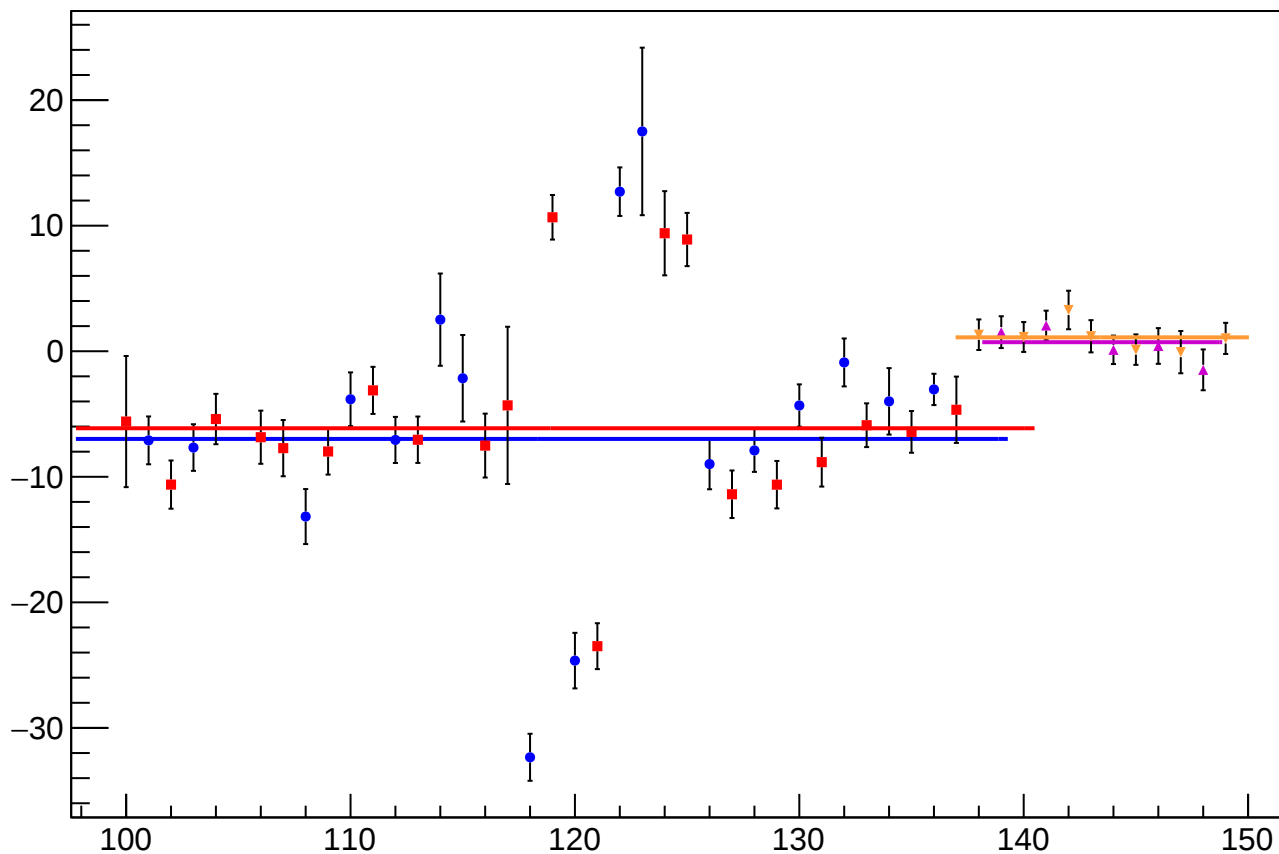
Left In: 9938.793 $\pm$ 3.536 χ^2/NDF : 4042.2/4

8511.328 $\pm$ 1.783 χ^2/NDF : 504020.3/23

8378.192 $\pm$ 1.258 χ^2/NDF : 1141568.4/48

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

diff_bpm0l08Y_mean vs Slug, Sign Corrected



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

Left Out: 1.107 $\pm$ 0.494 χ^2/NDF : 3.2/6

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

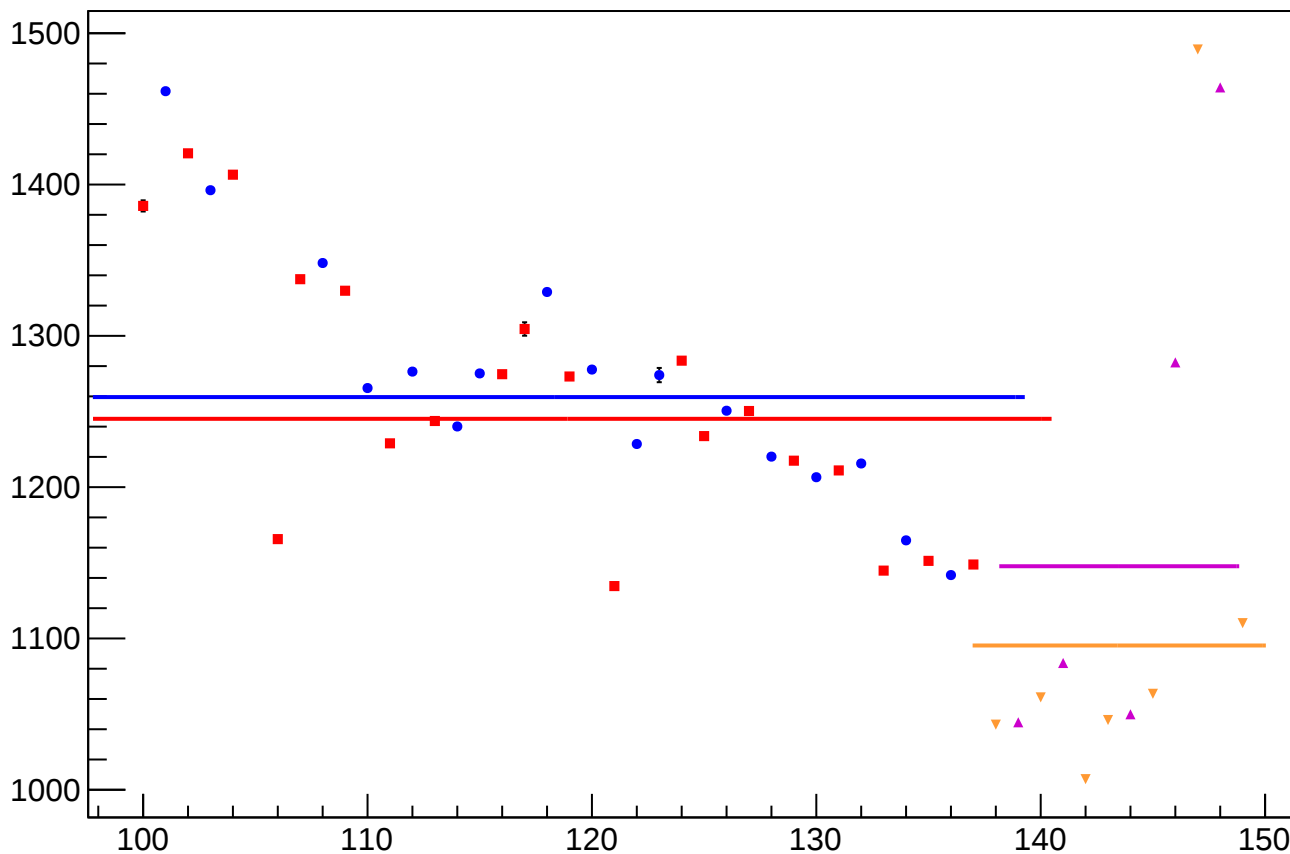
Left In: 0.720 $\pm$ 0.578 χ^2/NDF : 3.8/4

-3.003 $\pm$ 0.347 χ^2/NDF : 548.0/23

-3.212 $\pm$ 0.250 χ^2/NDF : 915.4/48

-3.440 $\pm$ 0.363 χ^2/NDF : 366.7/24

diff_bpm0l08Y_rms vs Slug, Sign Corrected



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

Left Out: 1095.354 $\pm$ 0.349 χ^2 /NDF: 126185.1/6

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

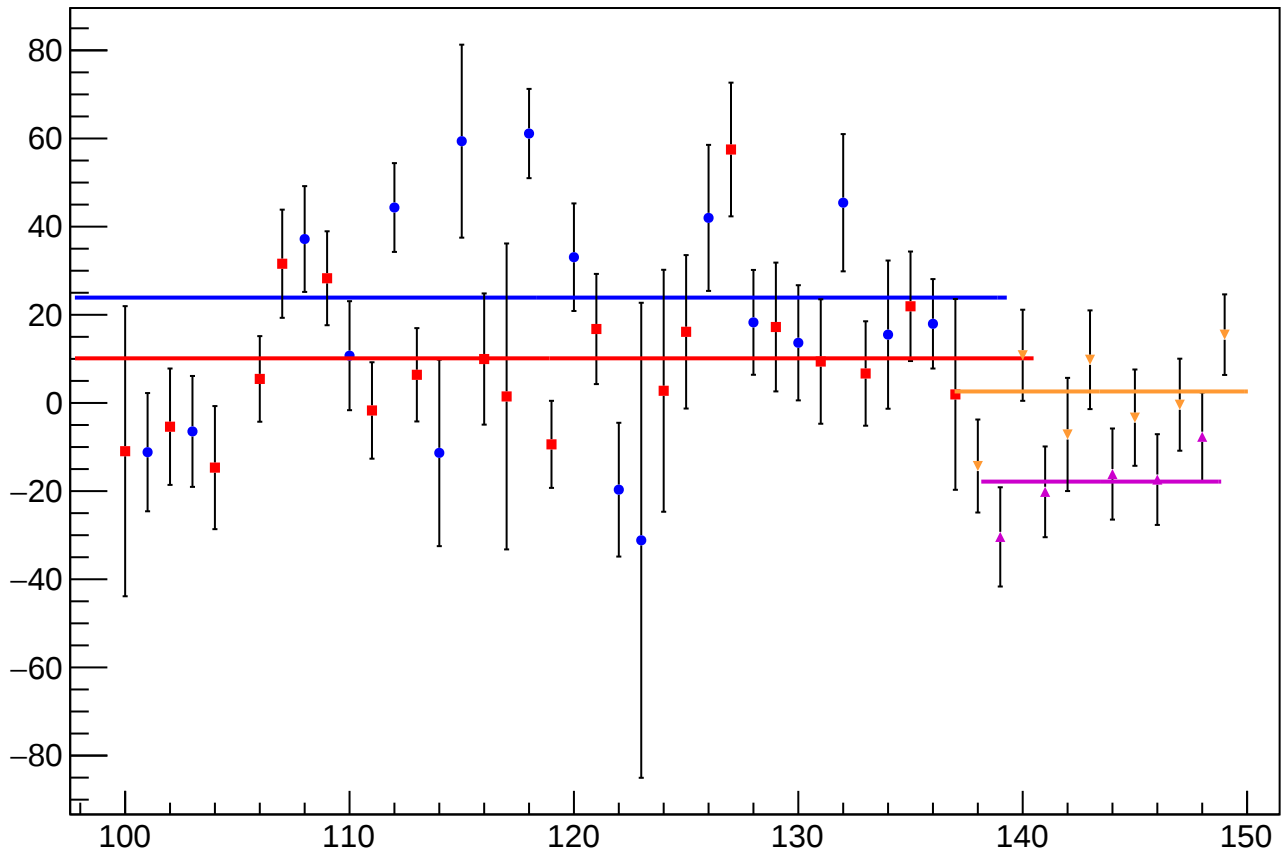
Left In: 1147.733 $\pm$ 0.409 χ^2 /NDF: 127672.6/4

1178.747 $\pm$ 0.245 χ^2 /NDF: 303249.7/23

1192.170 $\pm$ 0.177 χ^2 /NDF: 538681.4/48

1206.864 $\pm$ 0.256 χ^2 /NDF: 229144.6/24

diff_bpm0l09X_mean vs Slug, Sign Corrected



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

Left Out: 2.607 ± 4.019 $\chi^2/\text{NDF}: 6.6/6$

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

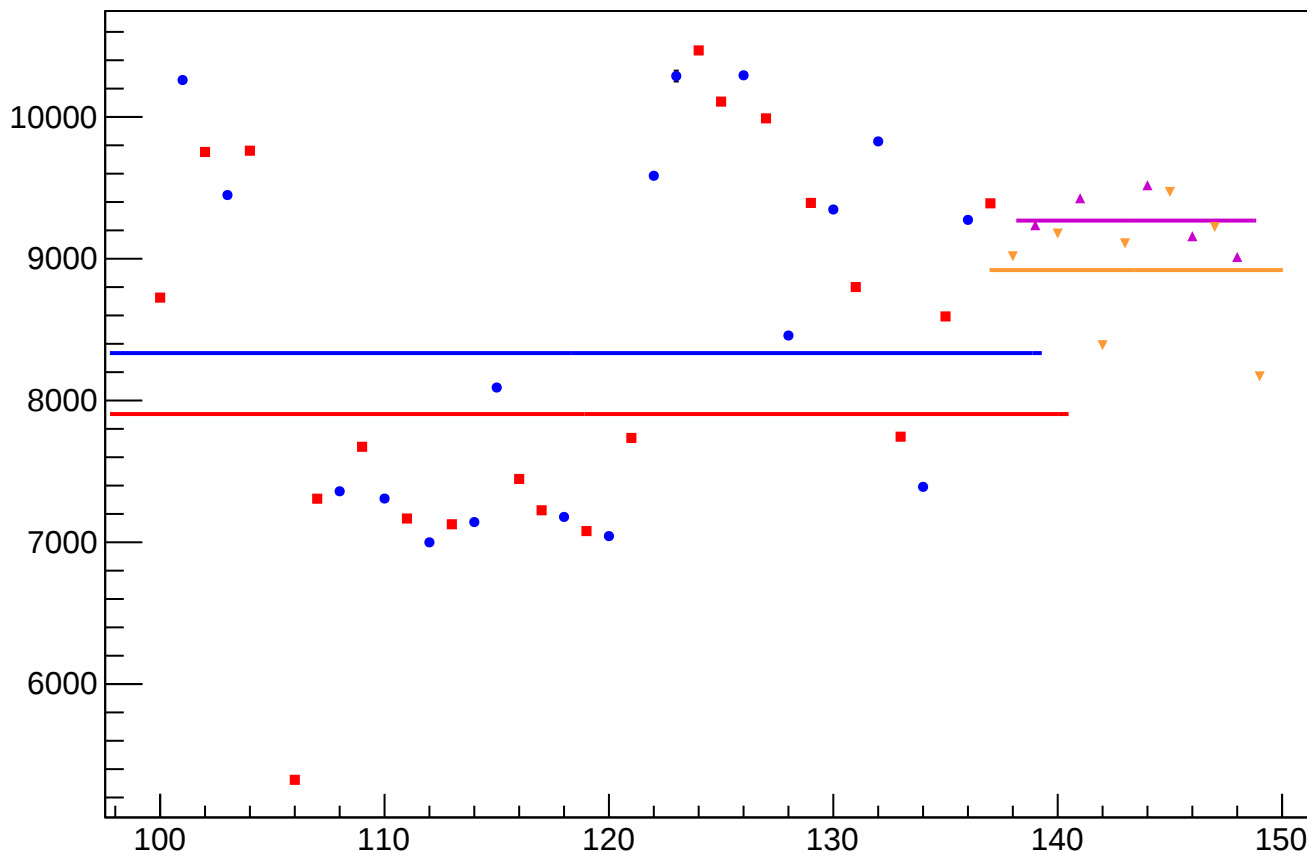
Left In: -17.843 ± 4.663 $\chi^2/\text{NDF}: 2.3/4$

15.482 ± 2.527 $\chi^2/\text{NDF}: 76.0/23$

8.699 ± 1.784 $\chi^2/\text{NDF}: 146.2/48$

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

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

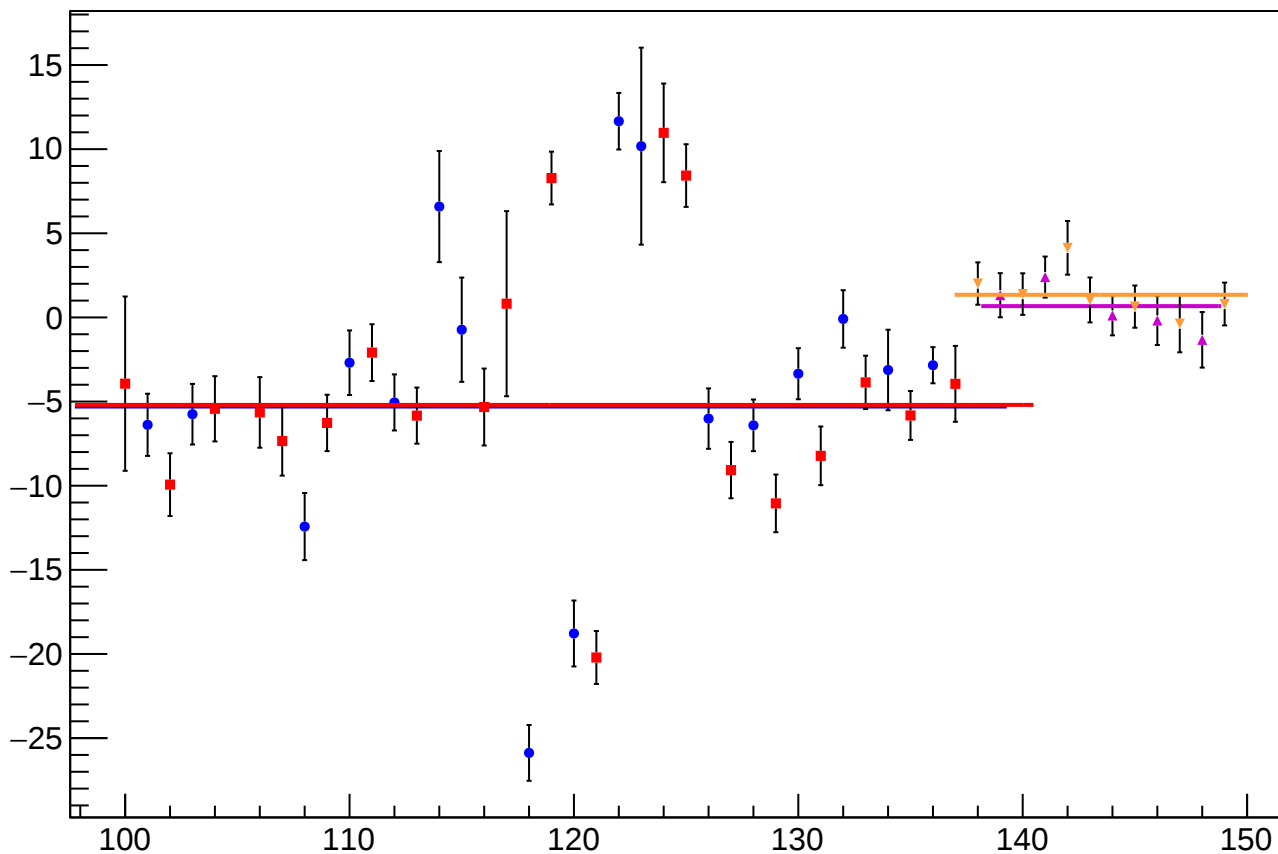
Left In: 9269.073 $\pm$ 3.297 χ^2/NDF :3179.6/4

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

8434.089 $\pm$ 1.262 χ^2/NDF : 850486.7/48

8302.954 $\pm$ 1.782 χ^2/NDF : 516039.4/24

diff_bpm0l09Y_mean vs Slug, Sign Corrected



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

Left Out: 1.345+/-0.510 χ^2/NDF : 4.9/6

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

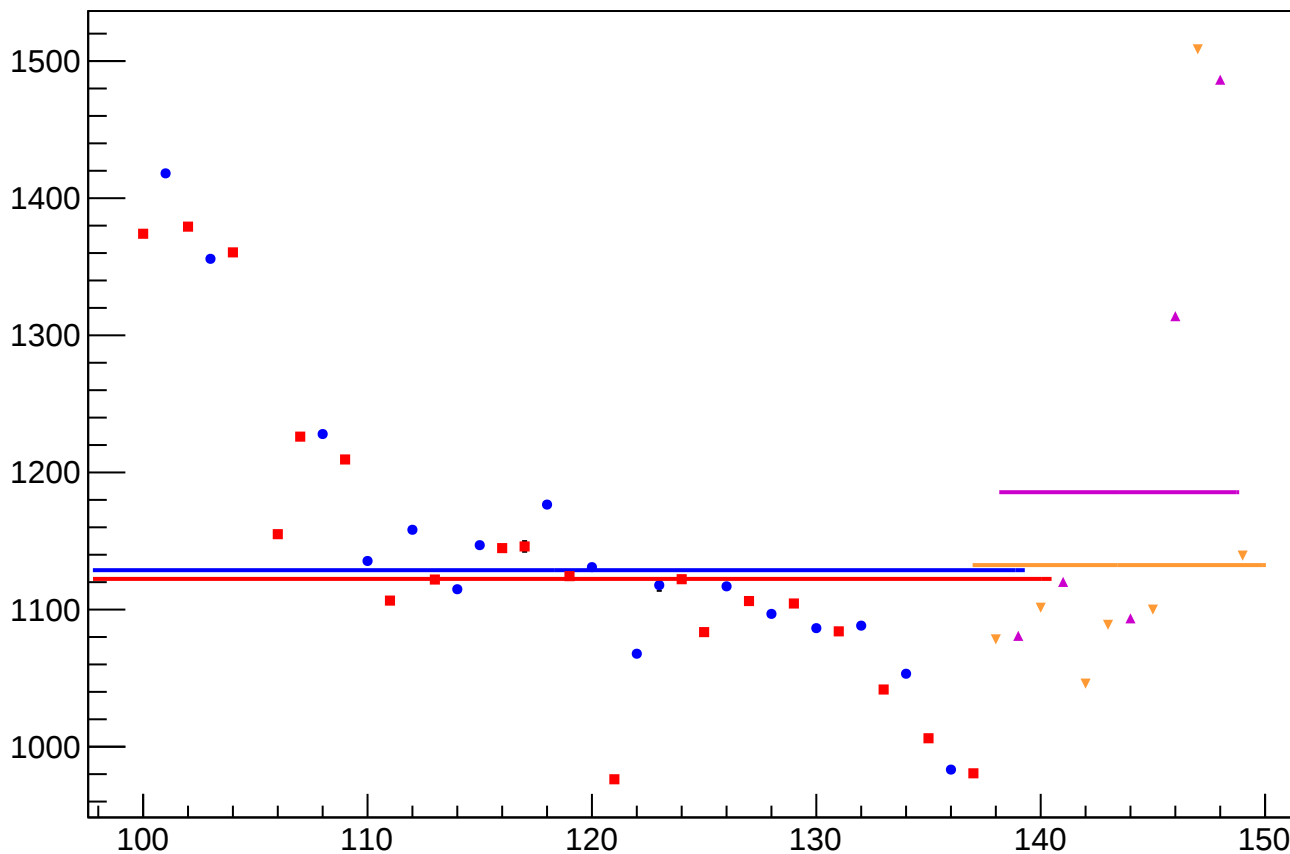
Left In: 0.672+/-0.597 χ^2/NDF : 4.3/4

-2.487+/-0.332 χ^2/NDF : 460.8/23

-2.855+/-0.239 χ^2/NDF : 815.4/48

-3.250+/-0.344 χ^2/NDF : 352.1/24

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

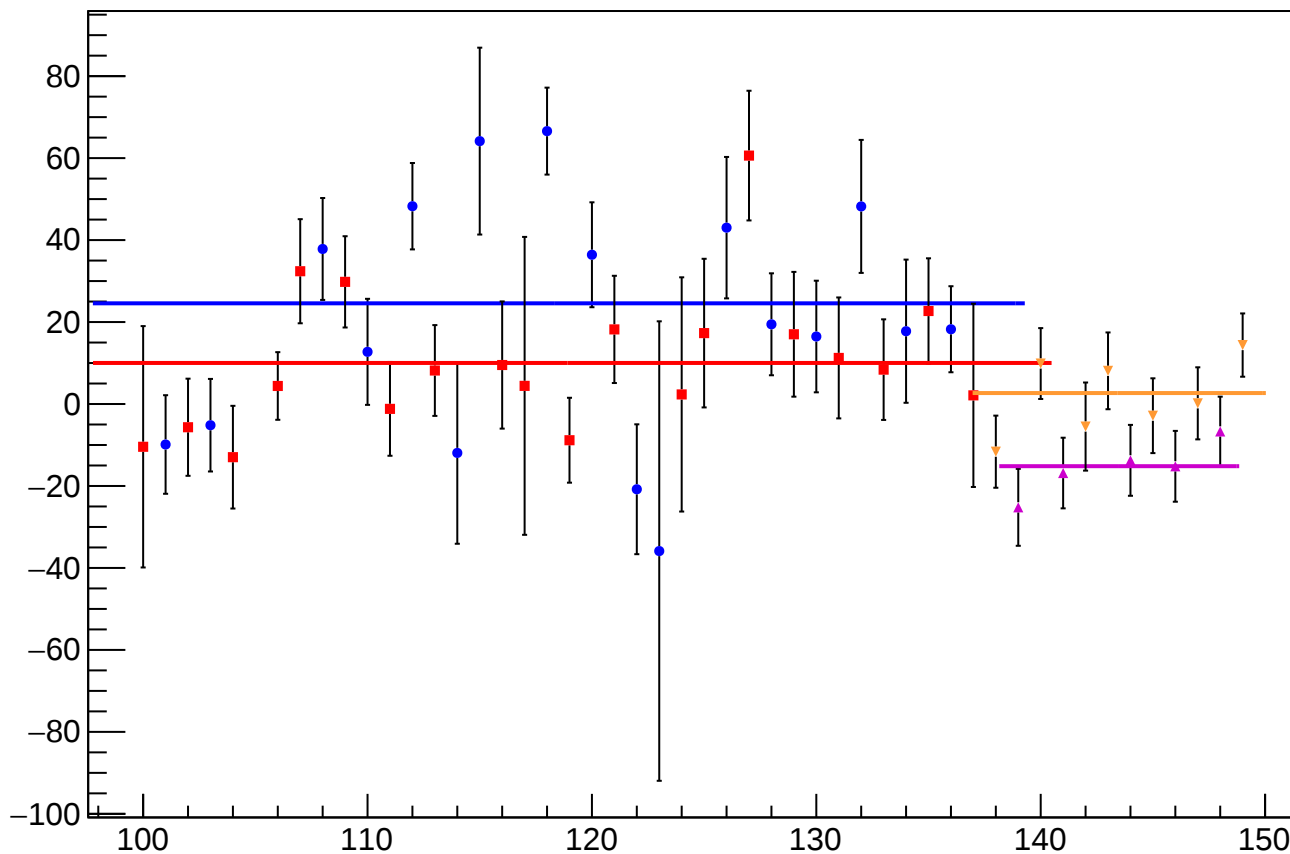
Left In: 1185.603 $\pm$ 0.422 χ^2/NDF : 112585.6/4

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

1136.603 $\pm$ 0.169 χ^2/NDF : 503633.2/48

1143.355 $\pm$ 0.243 χ^2/NDF : 257233.0/24

diff_bpm0l10X_mean vs Slug, Sign Corrected



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

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

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

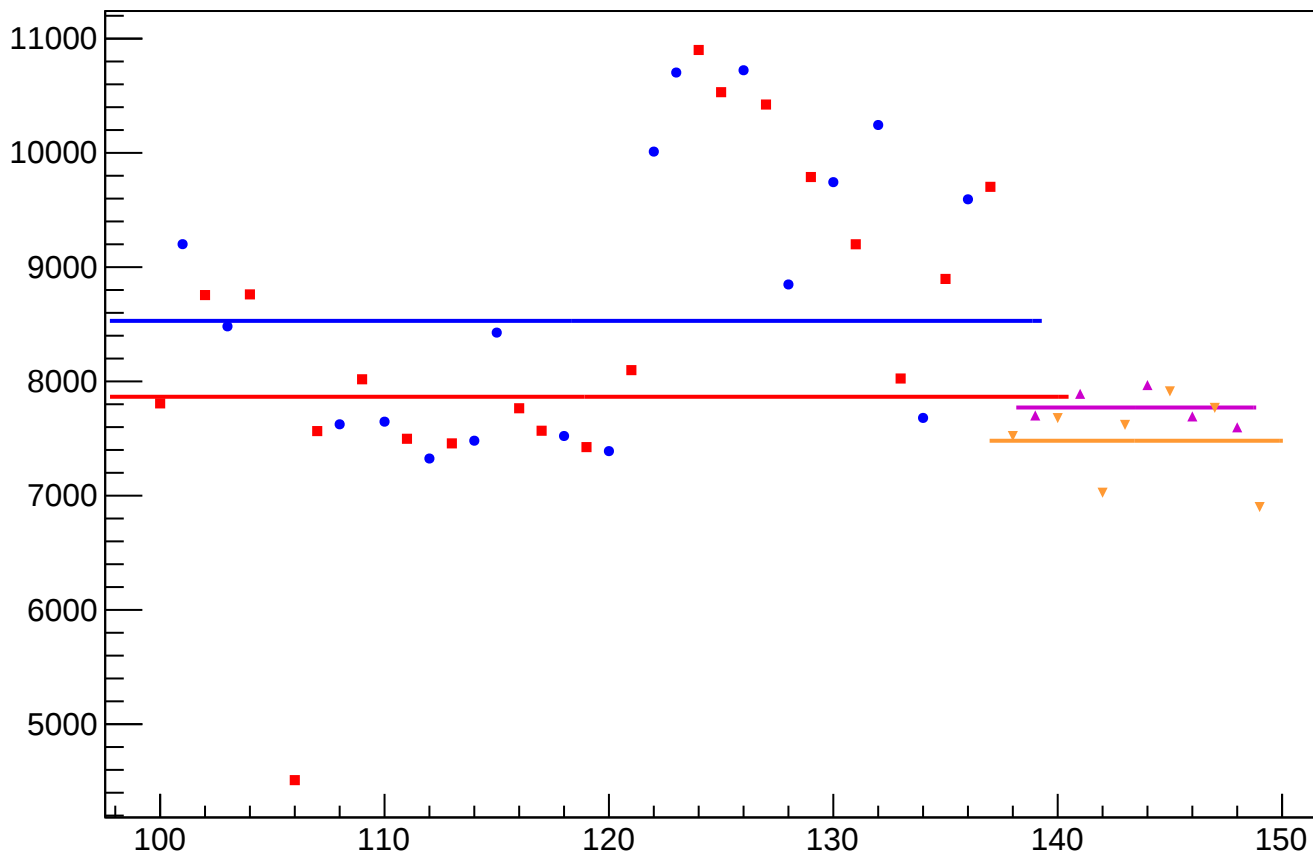
Left In: -15.171 ± 3.909 $\chi^2/\text{NDF}: 2.2/4$

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

7.279 ± 1.677 $\chi^2/\text{NDF}: 159.0/48$

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

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

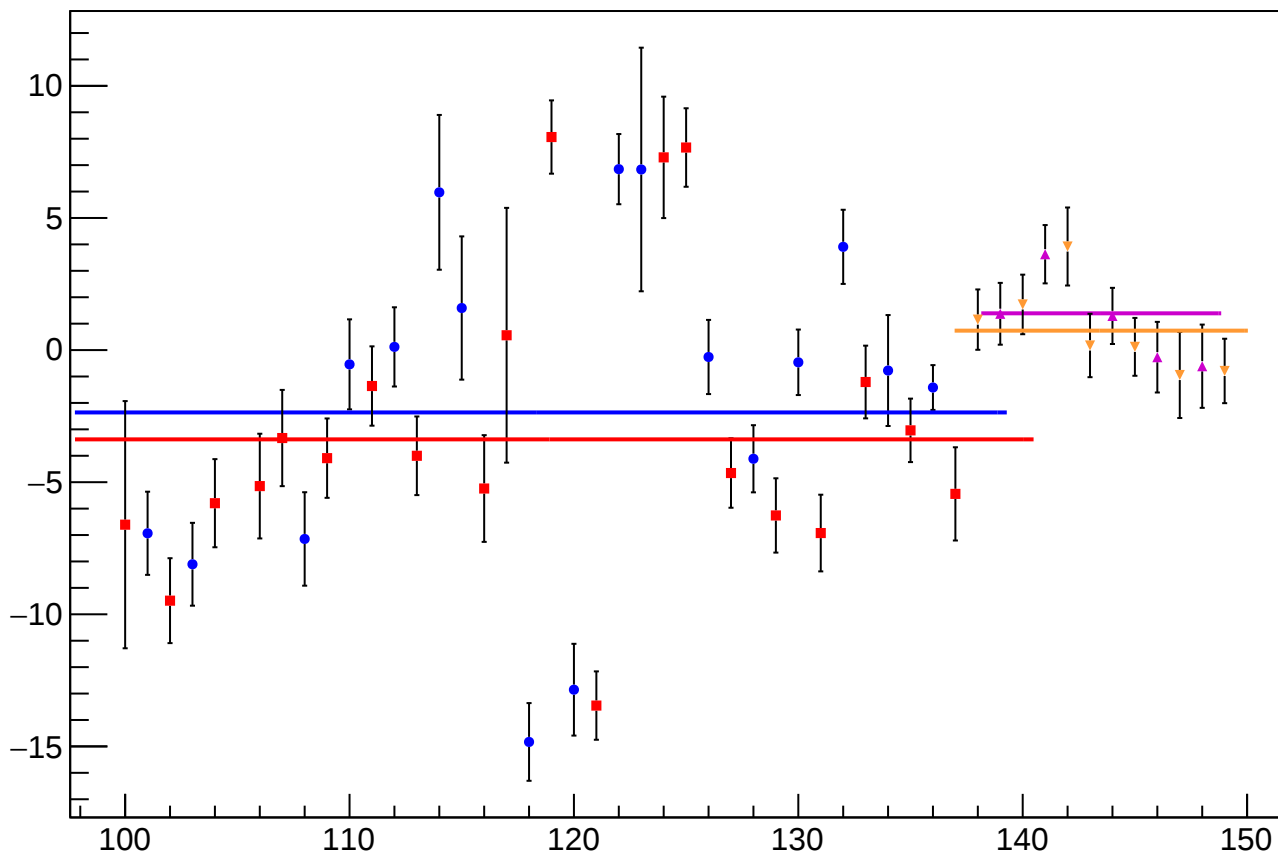
Left In: 7771.515+/-2.764 χ^2/NDF : 2526.3/4

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

7922.552+/-1.186 χ^2/NDF : 894965.5/48

7830.726+/-1.682 χ^2/NDF : 559231.6/24

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

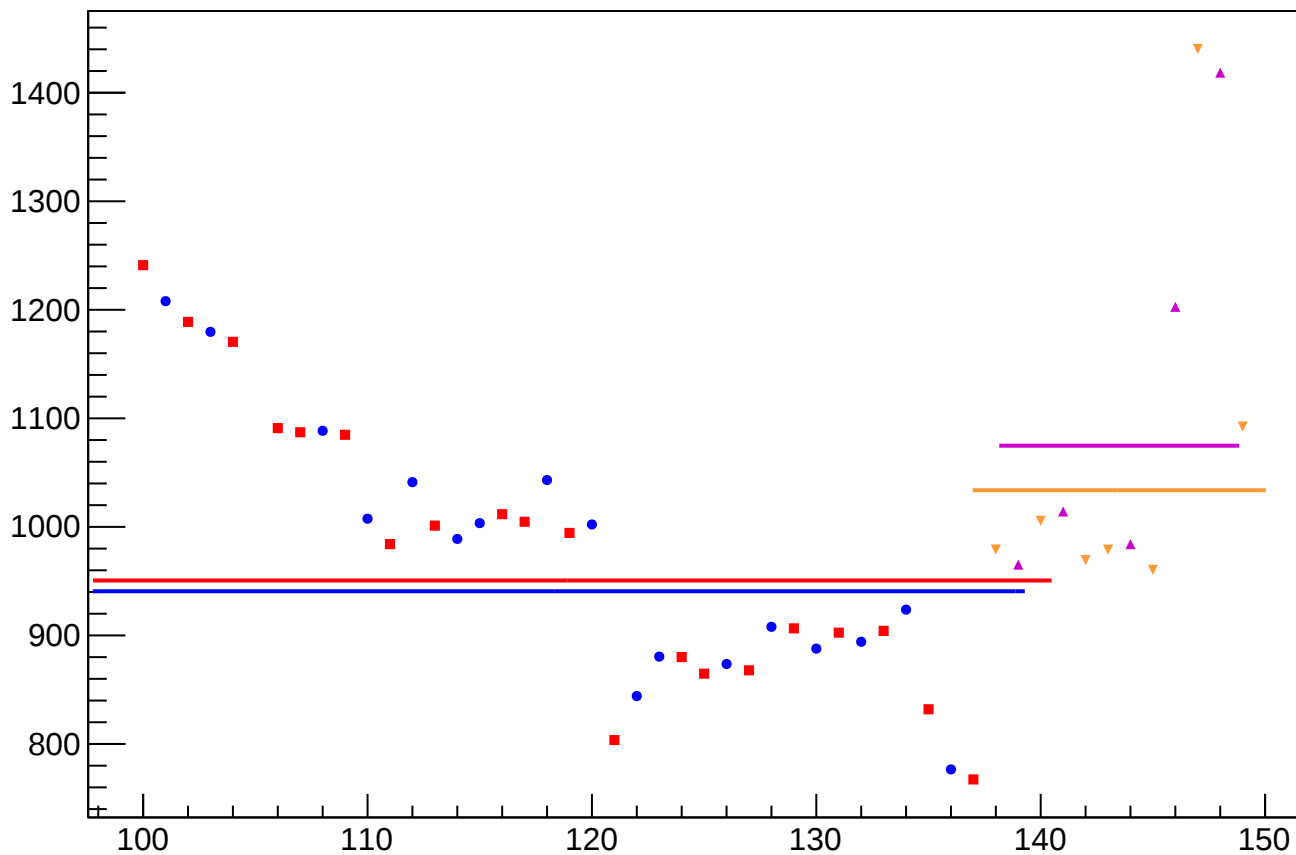
Left In: 1.391 ± 0.542 χ^2/NDF : 7.3/4

-1.183 ± 0.288 χ^2/NDF : 268.0/23

-1.546 ± 0.207 χ^2/NDF : 574.6/48

-1.936 ± 0.298 χ^2/NDF : 303.3/24

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

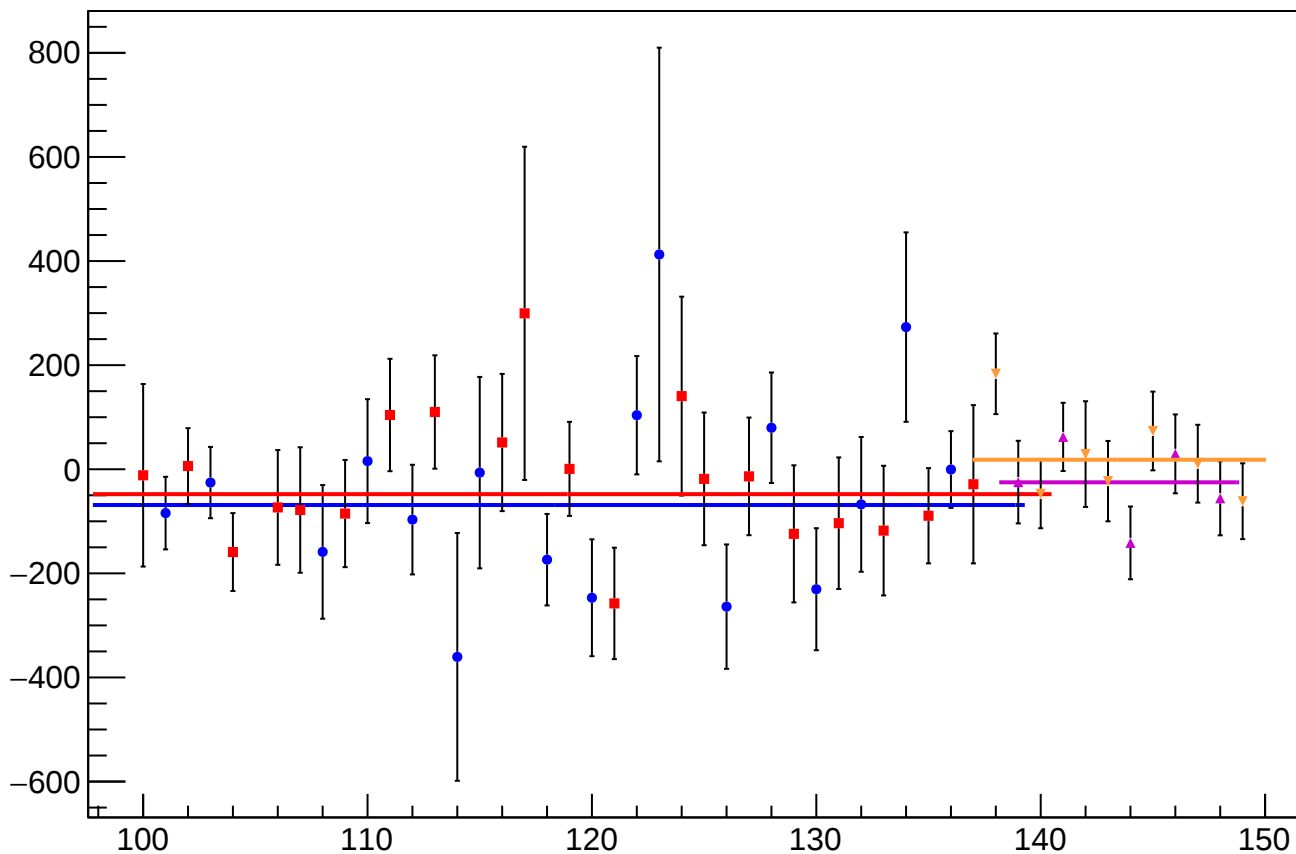
Left In: 1074.810+/-0.383 χ^2/NDF : 151596.9/4

976.080+/-0.203 χ^2/NDF : 443254.1/23

981.918+/-0.146 χ^2/NDF : 890637.5/48

988.191+/-0.211 χ^2/NDF : 445675.9/24

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

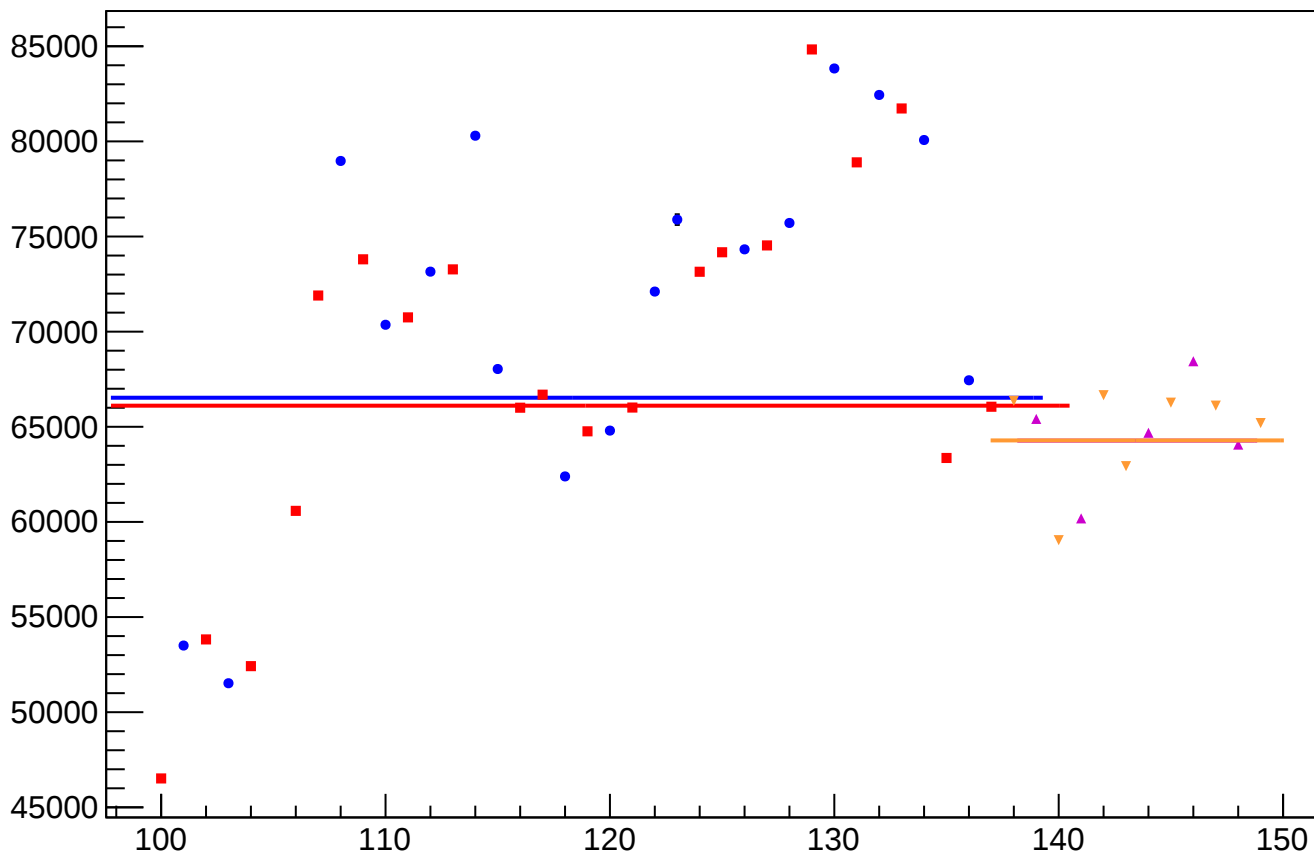
Left In: -25.113 +/- 32.148 χ^2/NDF : 5.2/4

-29.783 +/- 19.290 χ^2/NDF : 34.3/23

-34.438 +/- 13.785 χ^2/NDF : 55.2/48

-39.297 +/- 19.707 χ^2/NDF : 20.8/24

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

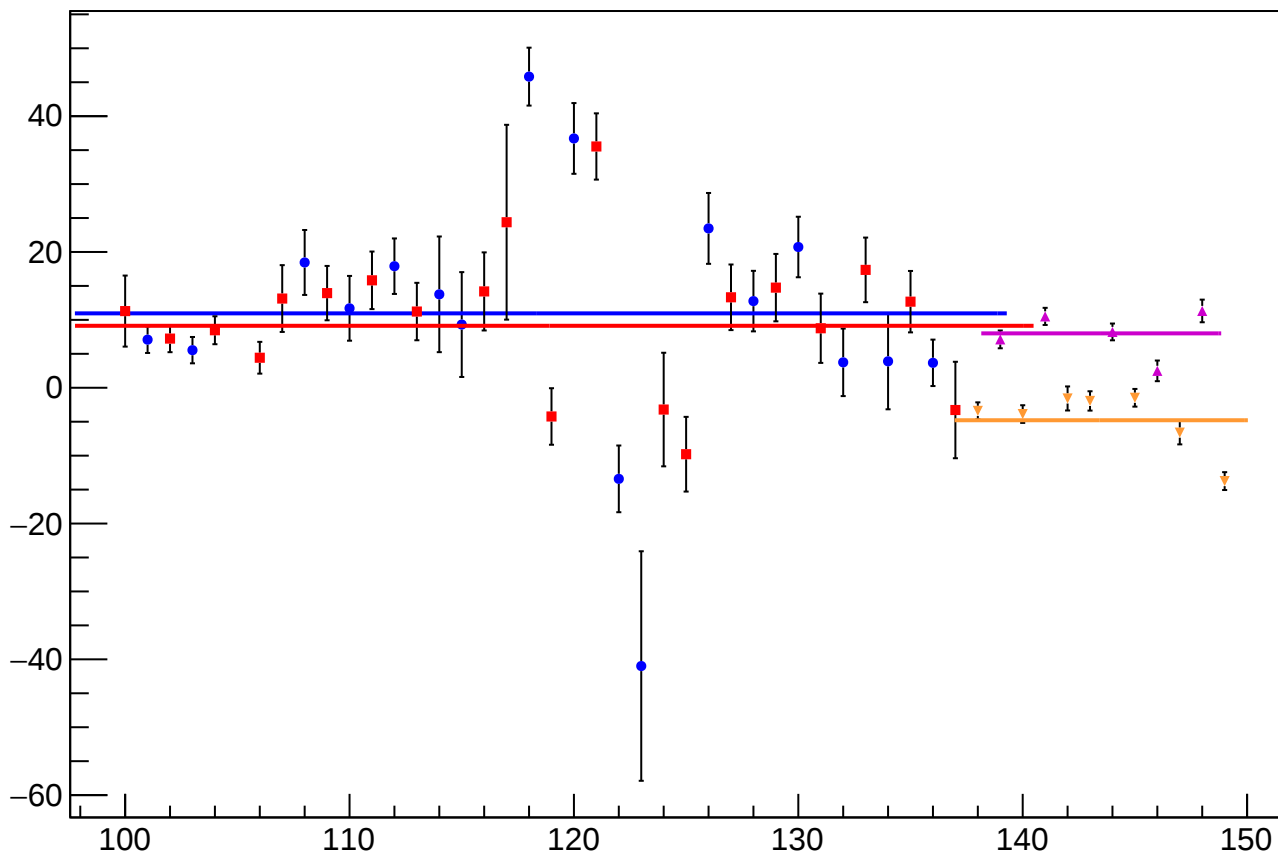
Left In: 64272.960+/-22.732 χ^2/NDF : 14331.3/4

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

65472.645+/-9.748 χ^2/NDF : 663083.5/48

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

diff_bpm0r03Y_mean vs Slug, Sign Corrected



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

Left Out: -4.785 $\pm$ 0.532 χ^2/NDF : 62.9/6

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

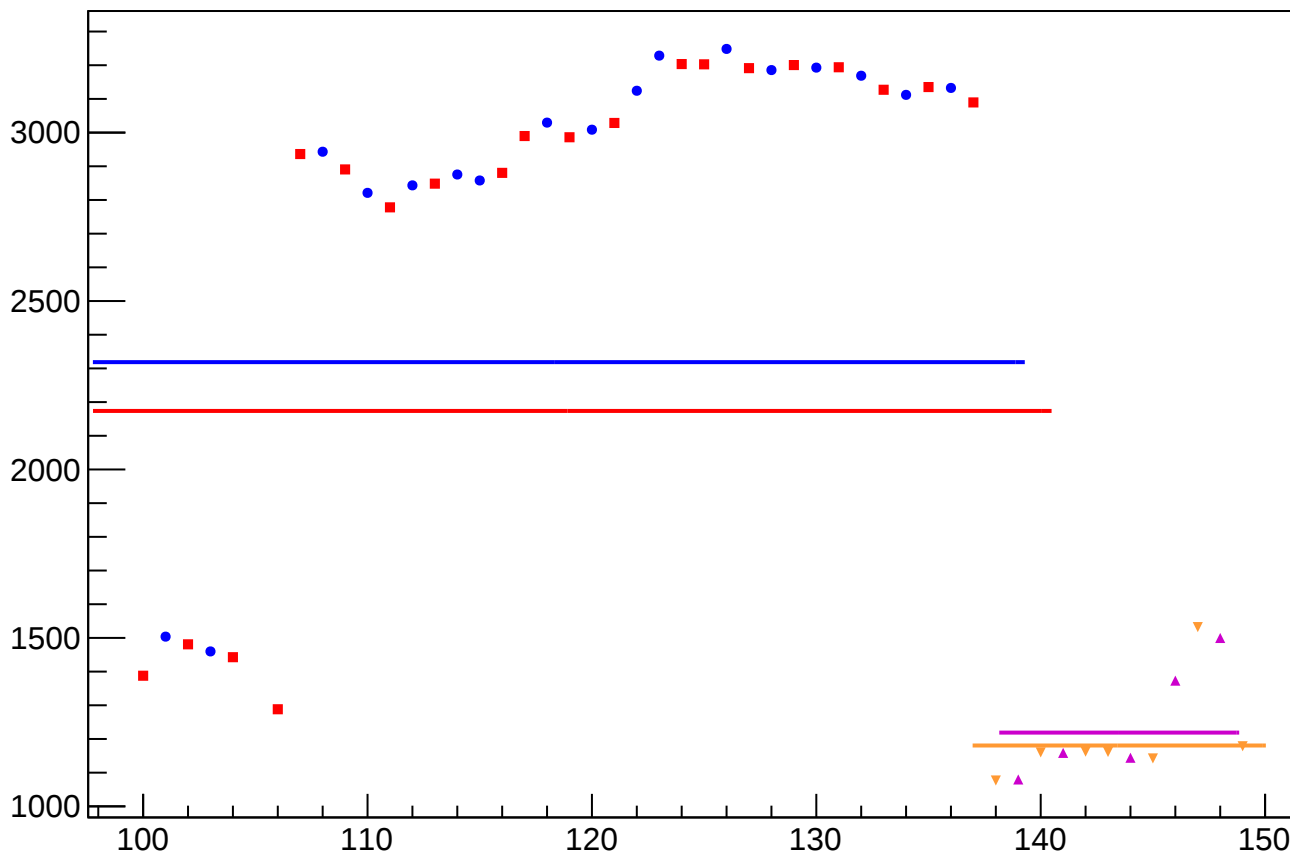
Left In: 8.010 $\pm$ 0.613 χ^2/NDF : 21.5/4

-0.989 $\pm$ 0.463 χ^2/NDF : 435.3/23

3.338 $\pm$ 0.340 χ^2/NDF : 721.2/48

8.384 $\pm$ 0.500 χ^2/NDF : 96.9/24

diff_bpm0r03Y_rms vs Slug, Sign Corrected



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

Left Out: 1180.628 $\pm$ 0.376 χ^2/NDF : 98885.2/6

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

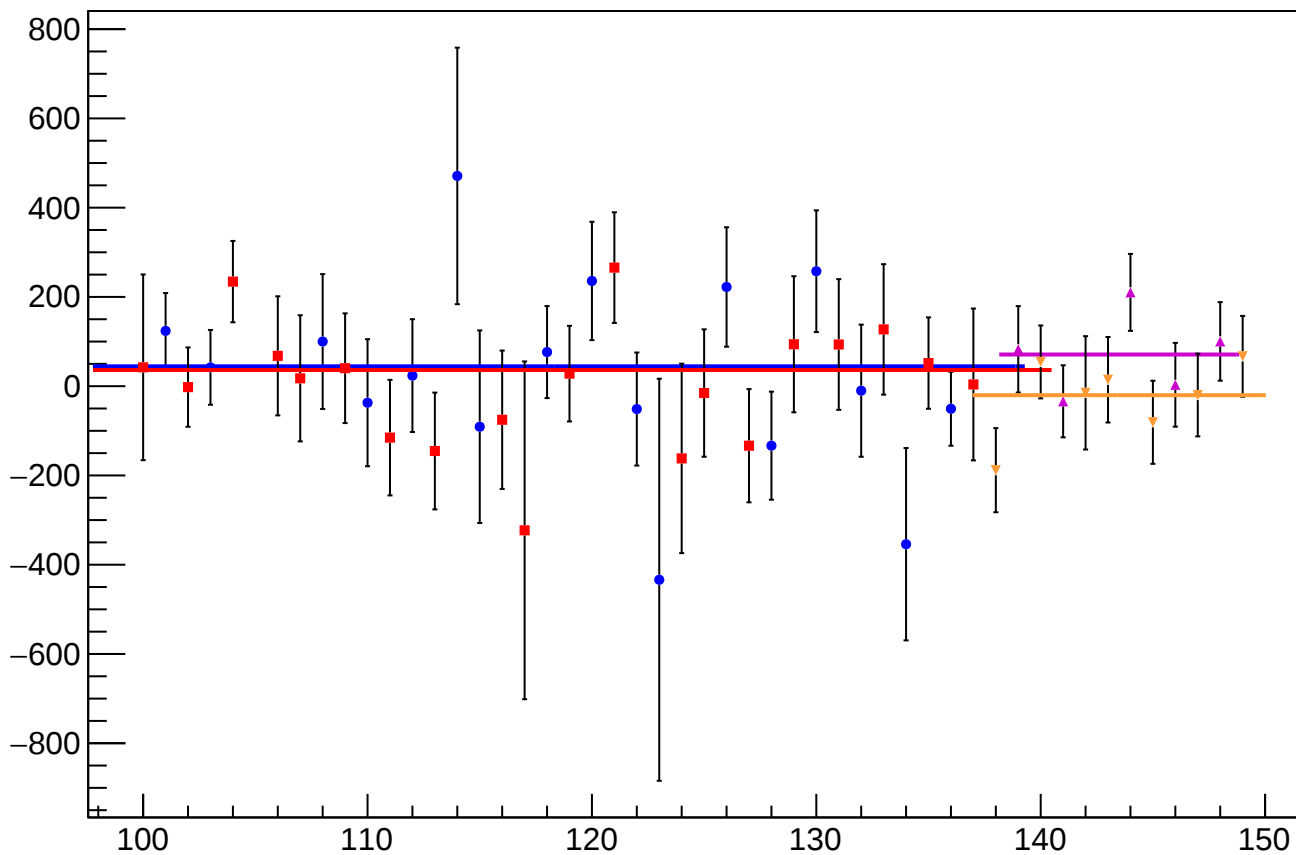
Left In: 1218.915 $\pm$ 0.434 χ^2/NDF : 111811.3/4

1455.071 $\pm$ 0.328 χ^2/NDF : 3716553.4/23

1493.550 $\pm$ 0.240 χ^2/NDF : 7240872.4/48

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

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

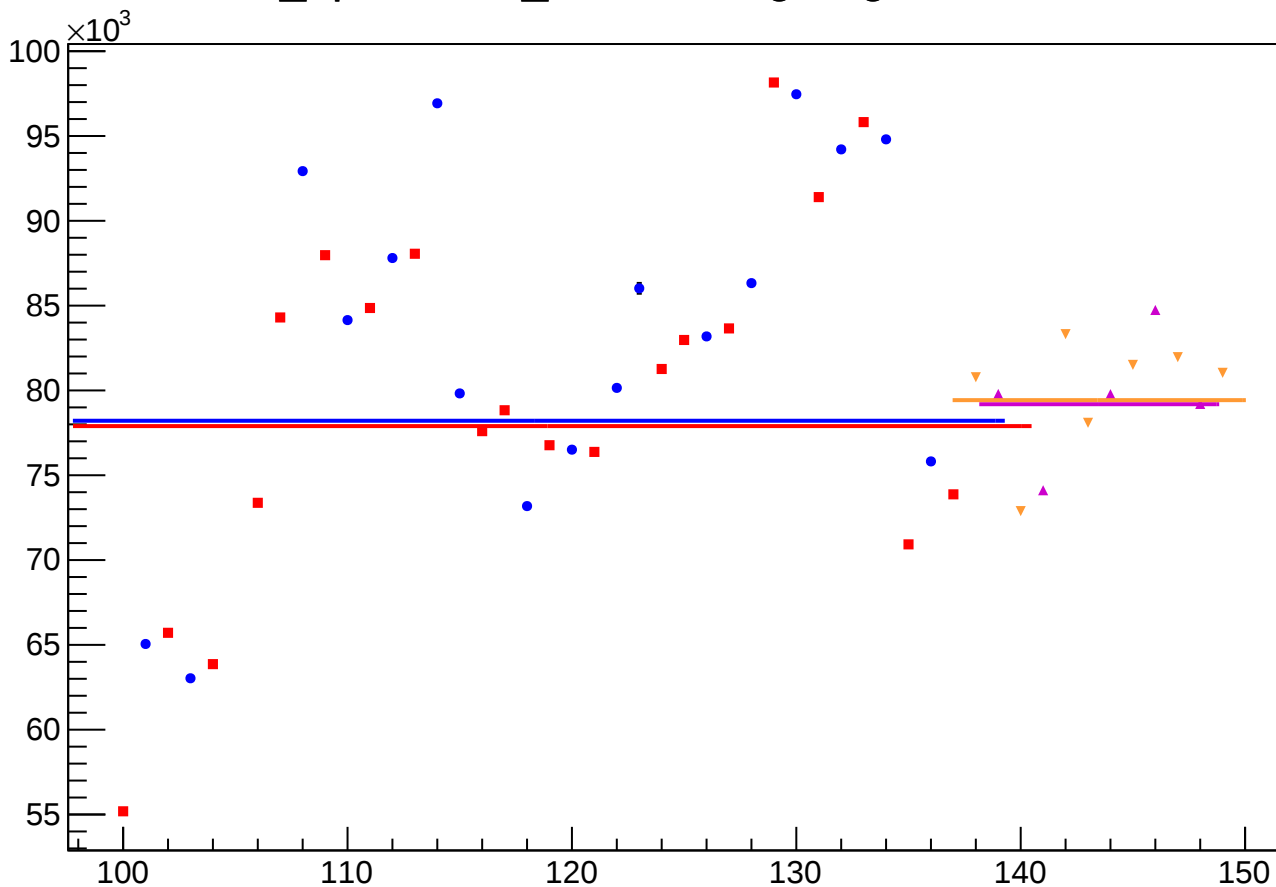
Left In: 70.961 $\pm$ 39.616 χ^2/NDF : 4.9/4

17.240 $\pm$ 23.145 χ^2/NDF : 26.5/23

32.603 $\pm$ 16.518 χ^2/NDF : 49.5/48

48.550 $\pm$ 23.581 χ^2/NDF : 22.1/24

diff_bpm0r05X_rms vs Slug, Sign Corrected



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

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

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

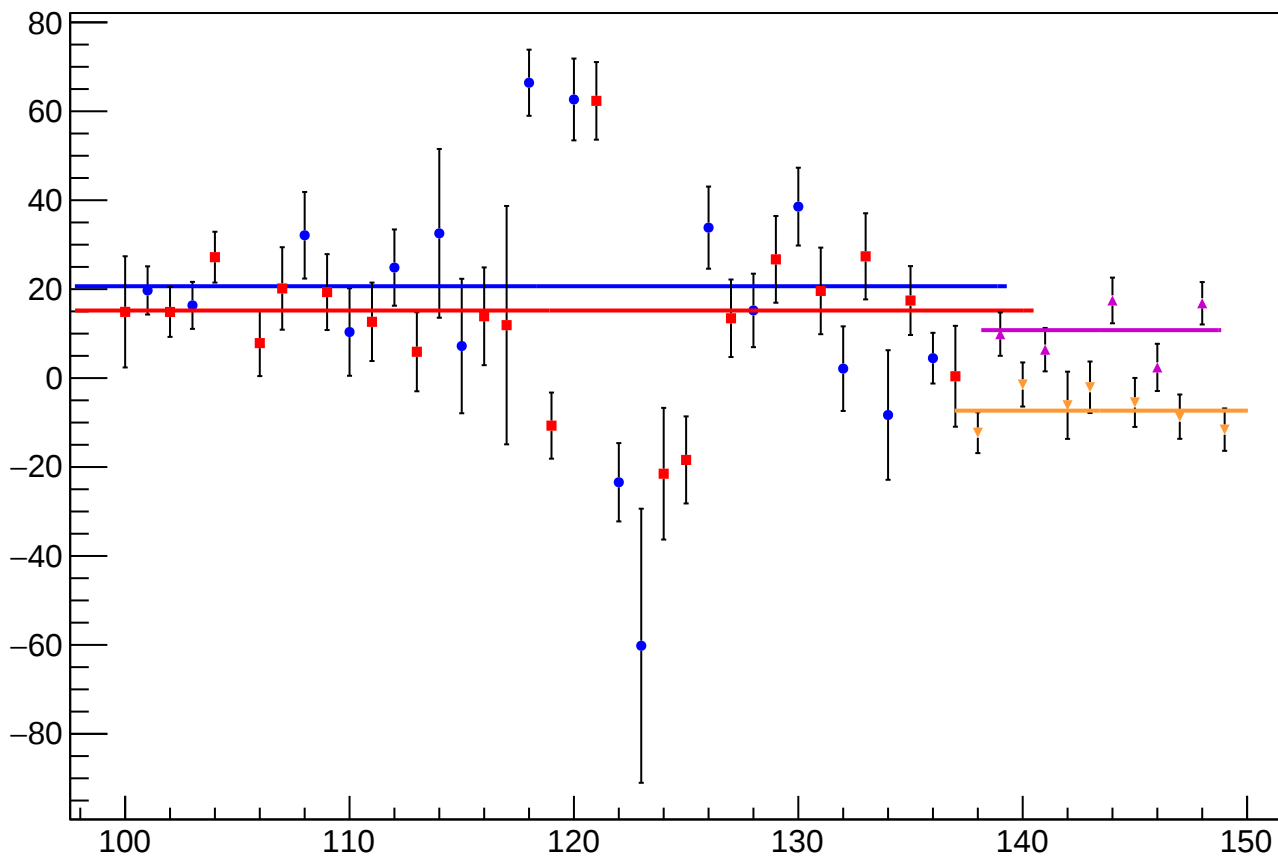
Left In: 79188.091 $\pm$ 28.013 χ^2/NDF : 15071.7/4

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

78543.401 $\pm$ 11.680 χ^2/NDF : 534690.4/4

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

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

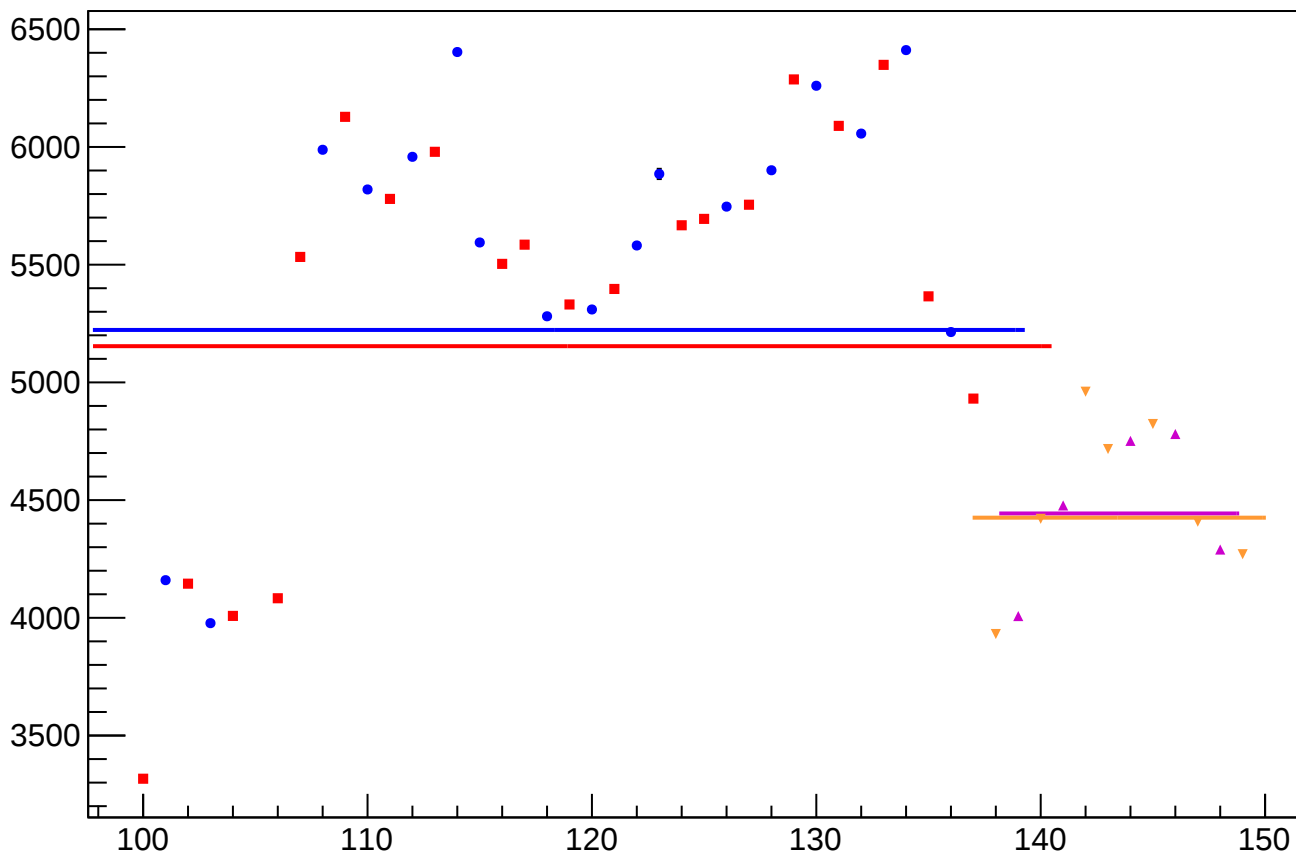
Left In: 10.782 $\pm$ 2.227 χ^2/NDF : 6.6/4

6.345 $\pm$ 1.423 χ^2/NDF : 218.7/23

9.708 $\pm$ 1.021 χ^2/NDF : 310.5/48

13.282 $\pm$ 1.467 χ^2/NDF : 80.2/24

diff_bpm0r05Y_rms vs Slug, Sign Corrected



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

Left Out: 4425.366 ± 1.407 χ^2/NDF : 50877.0/6

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

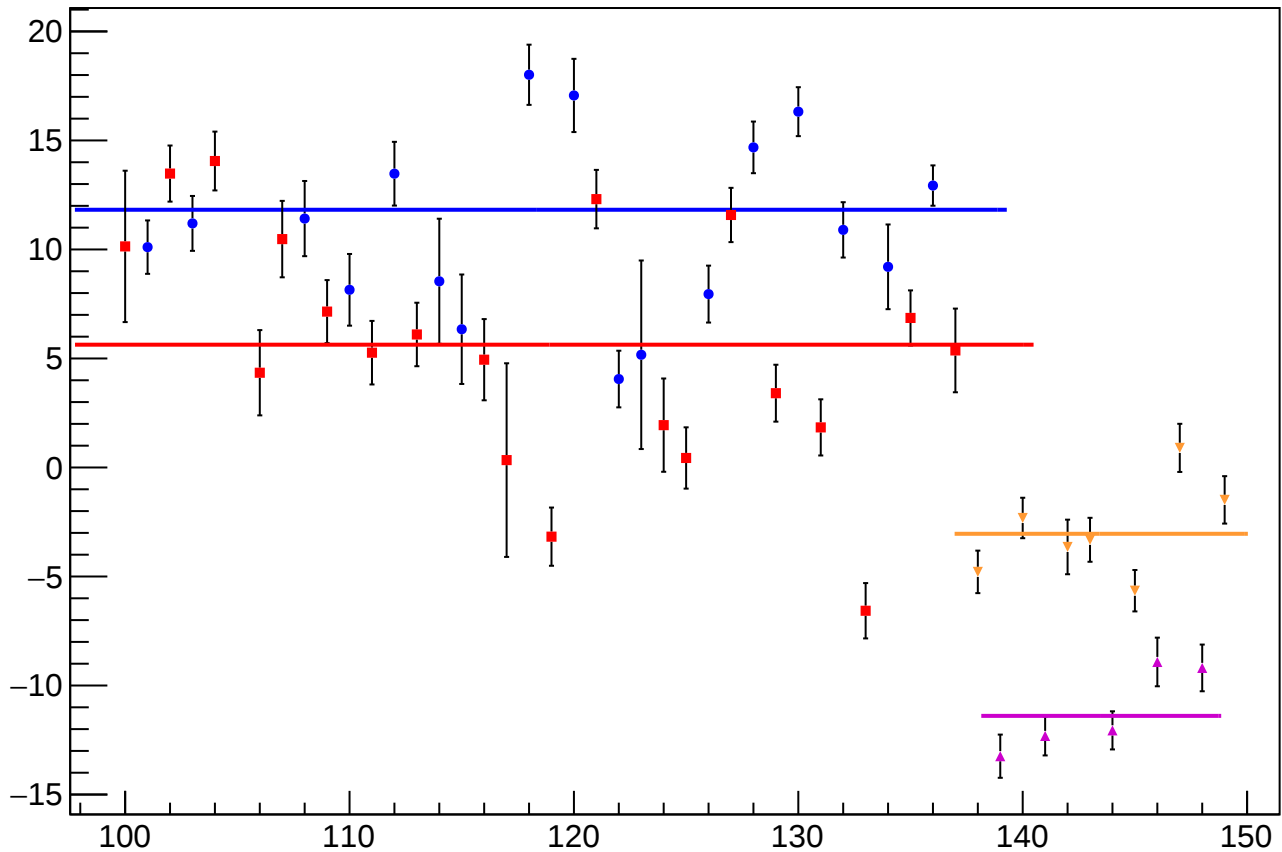
Left In: 4443.225 ± 1.575 χ^2/NDF : 33475.0/4

4814.828 ± 1.006 χ^2/NDF : 520338.5/23

4829.714 ± 0.722 χ^2/NDF : 1057750.6/48

4845.536 ± 1.037 χ^2/NDF : 536960.5/24

diff_bpm2i01X_mean vs Slug, Sign Corrected



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

Left Out: -3.041+/-0.389 χ^2 /NDF: 26.5/6

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

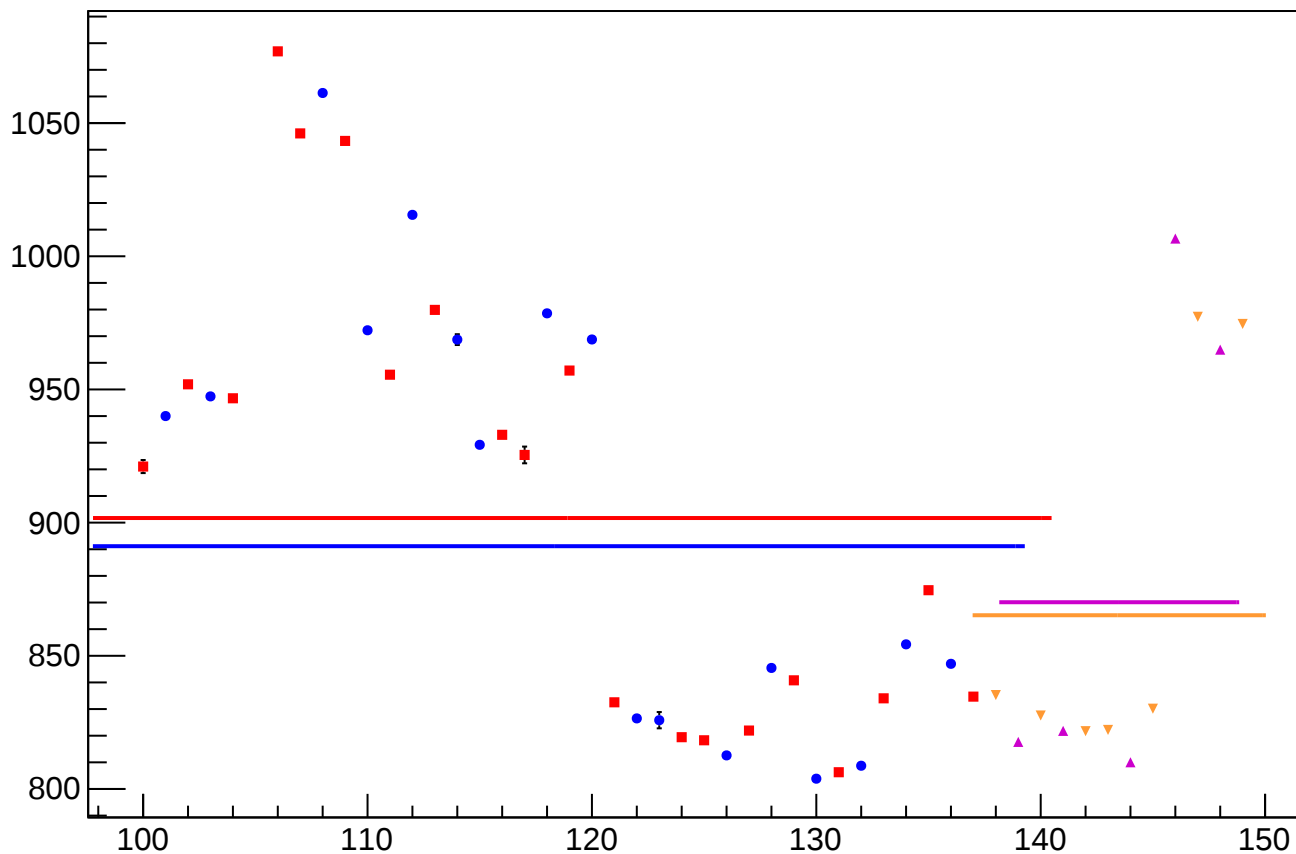
Left In: -11.393+/-0.436 χ^2 /NDF: 14.3/4

5.286+/-0.258 χ^2 /NDF: 961.9/23

2.377+/-0.185 χ^2 /NDF: 2494.0/48

-0.741+/-0.267 χ^2 /NDF: 1268.4/24

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

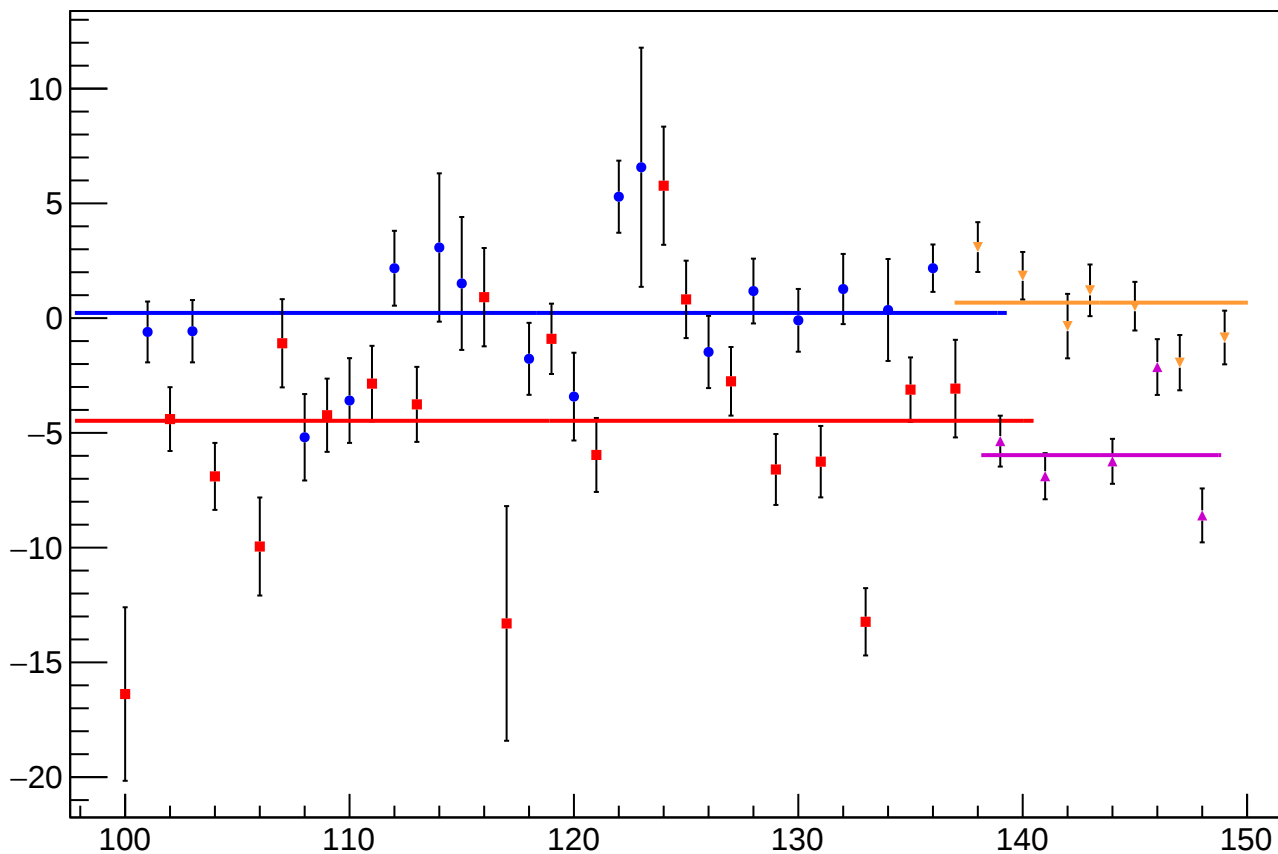
Left In: 870.109 $\pm$ 0.309 χ^2/NDF : 66533.6/4

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

884.644 $\pm$ 0.131 χ^2/NDF : 350697.9/48

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

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

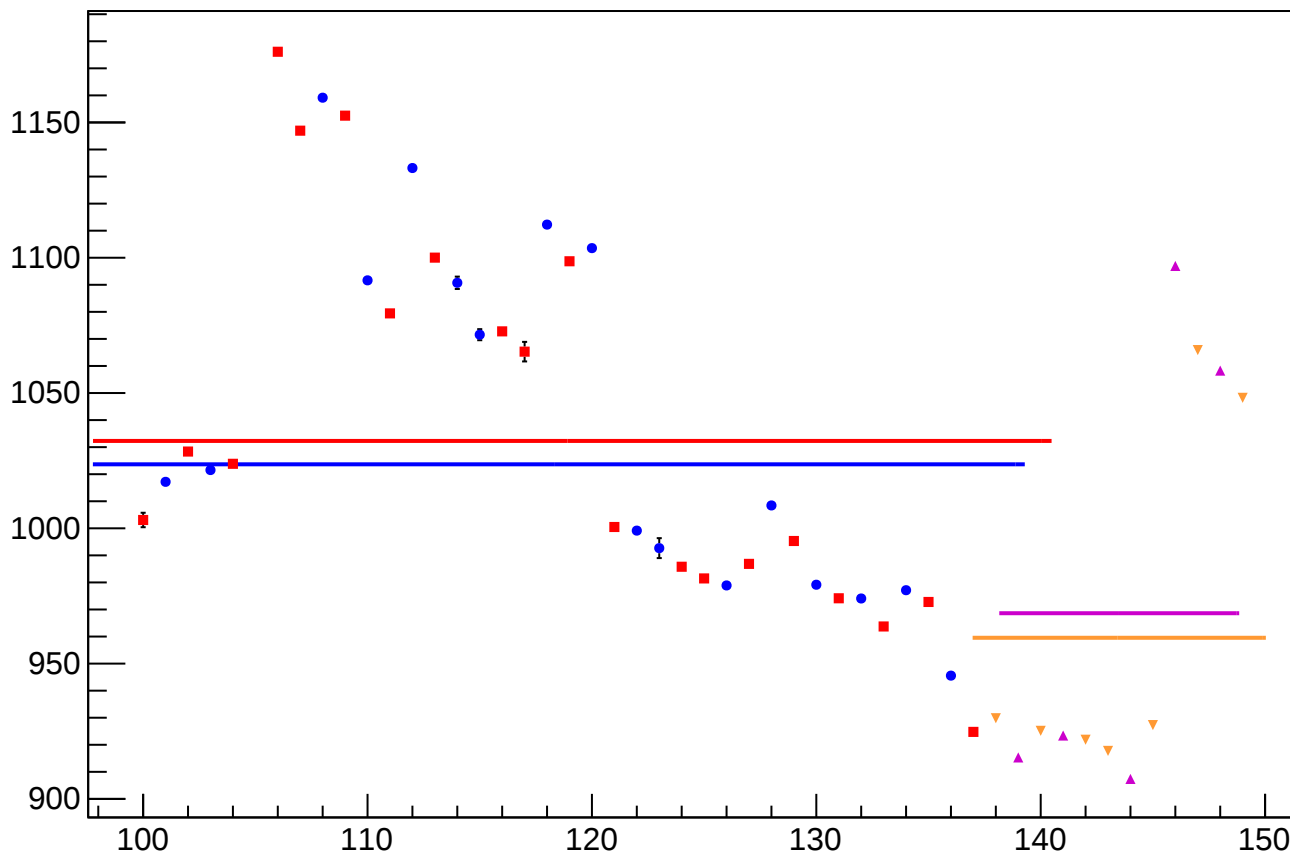
Left In: -5.969 ± 0.485 χ^2/NDF : 16.2/4

0.432 ± 0.291 χ^2/NDF : 52.6/23

-2.211 ± 0.210 χ^2/NDF : 351.9/48

-5.052 ± 0.302 χ^2/NDF : 128.3/24

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

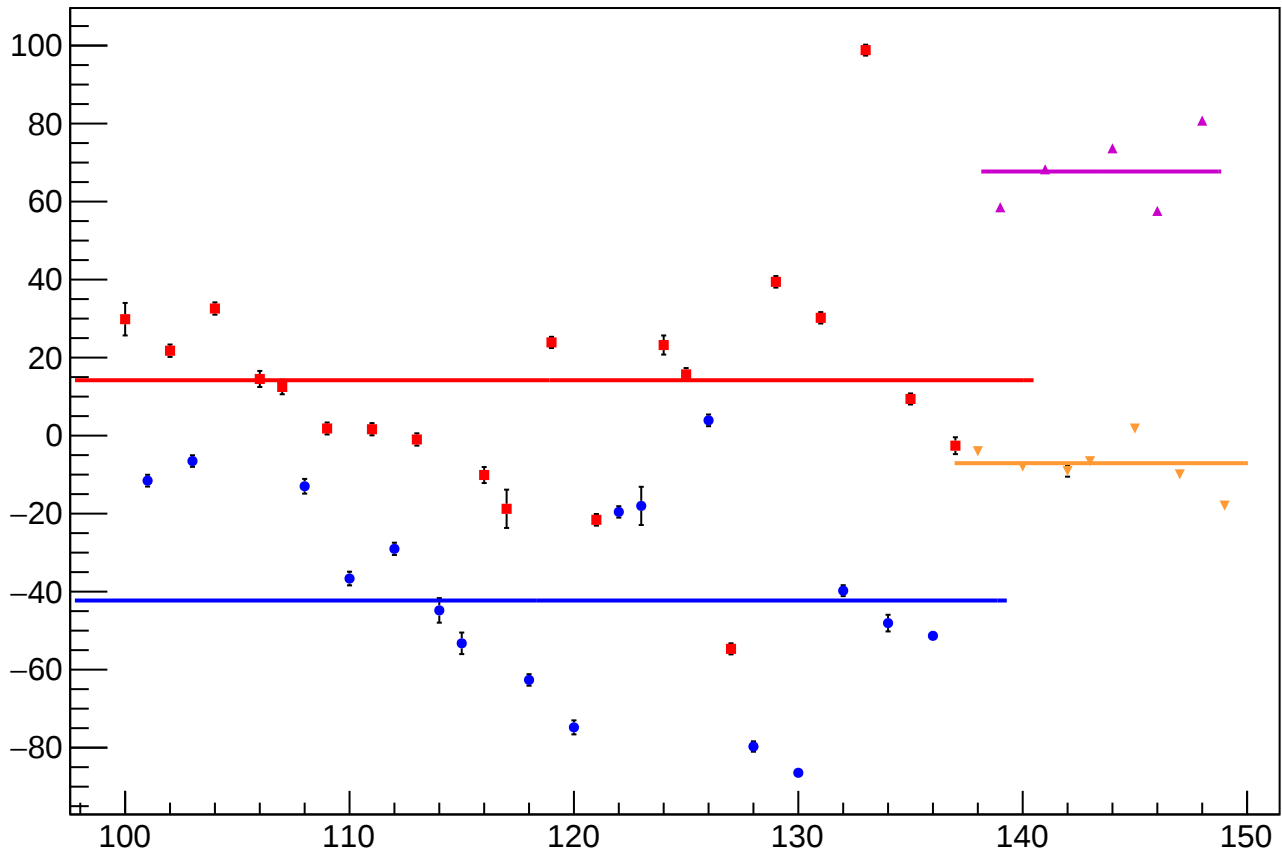
Left In: 968.621 $\pm$ 0.343 χ^2/NDF : 50453.1/4

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

1000.772 $\pm$ 0.148 χ^2/NDF : 246319.2/48

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

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

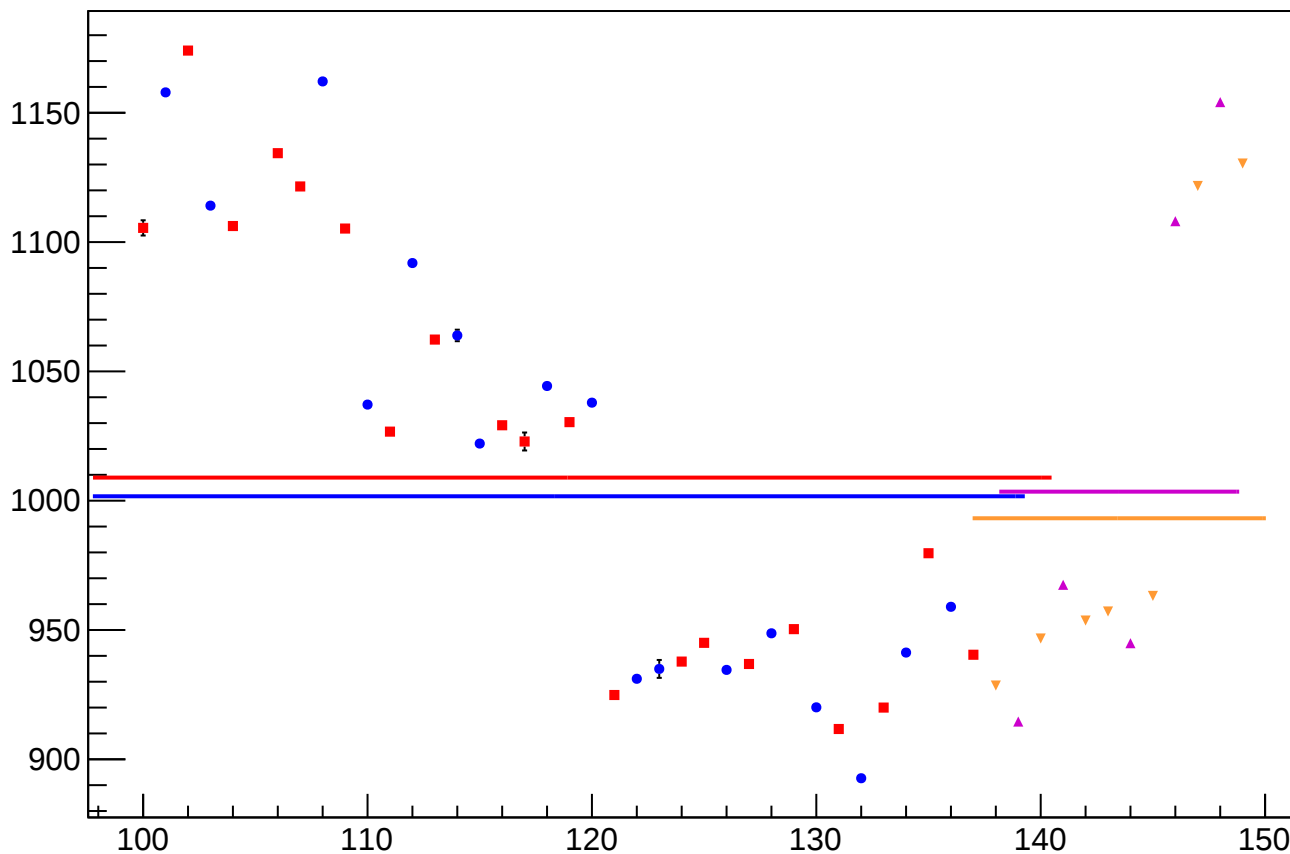
Left In: 67.710+/-0.503 χ^2/NDF : 274.2/4

-27.163+/-0.292 χ^2/NDF : 8833.1/23

2.190+/-0.210 χ^2/NDF : 44871.9/48

33.464+/-0.302 χ^2/NDF : 15230.3/24

diff_bpm2i02X_rms vs Slug, Sign Corrected



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

Left Out: 993.204 ± 0.316 χ^2/NDF : 60048.6/6

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

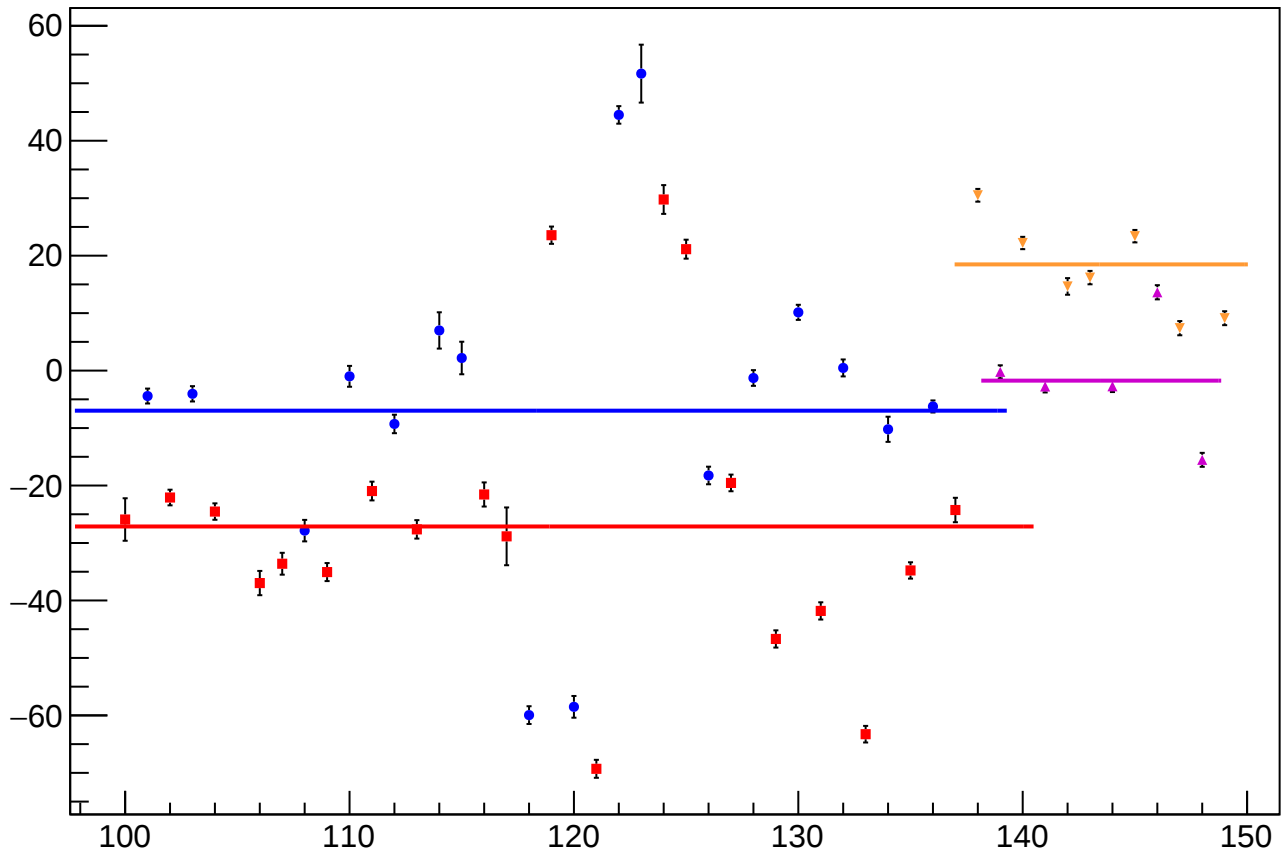
Left In: 1003.496 ± 0.356 χ^2/NDF : 63984.8/4

998.056 ± 0.207 χ^2/NDF : 155942.7/23

1002.374 ± 0.149 χ^2/NDF : 316343.5/48

1006.974 ± 0.213 χ^2/NDF : 159500.3/24

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

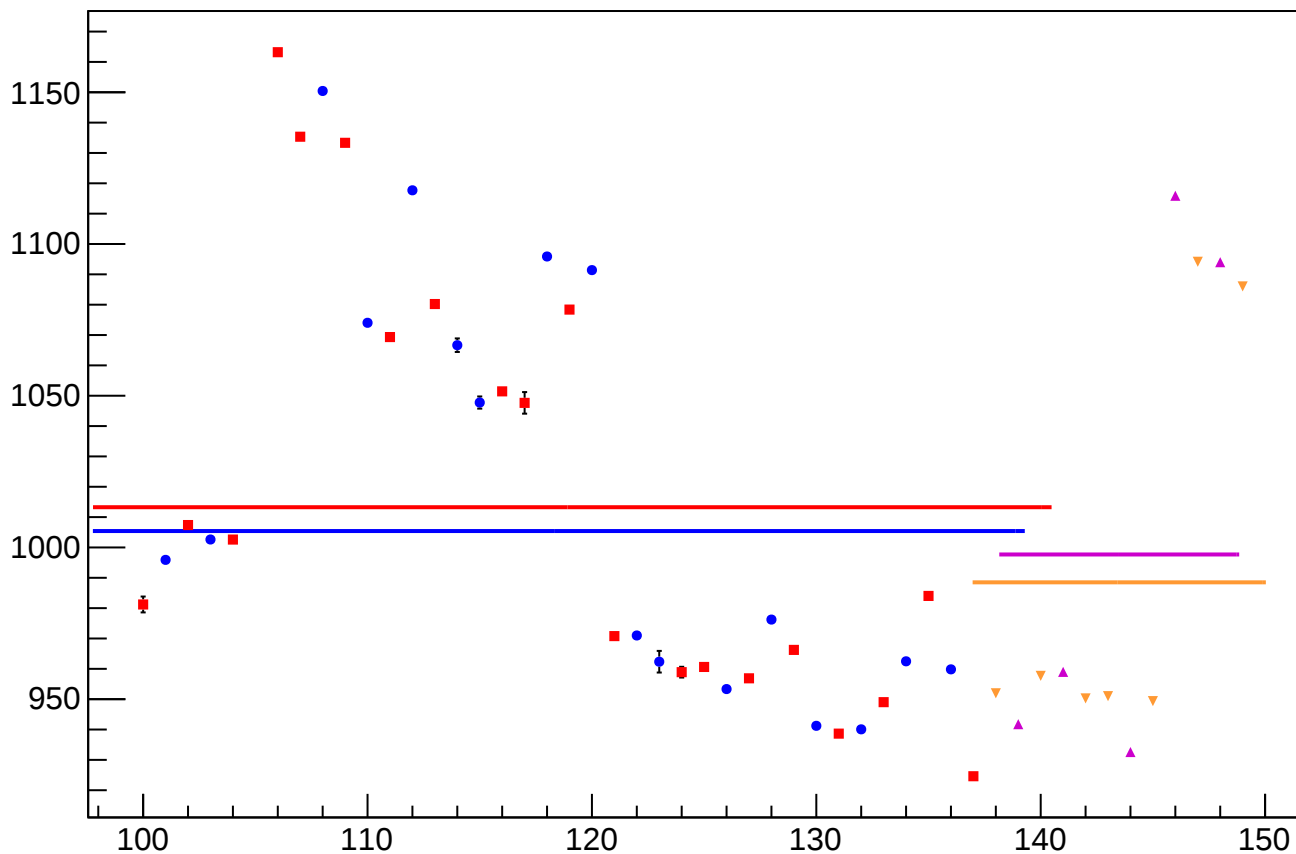
Left In: -1.747 ± 0.500 χ^2/NDF : 287.3/4

4.052 ± 0.292 χ^2/NDF : 5802.7/23

-6.554 ± 0.210 χ^2/NDF : 14738.5/48

-17.871 ± 0.302 χ^2/NDF : 6210.2/24

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

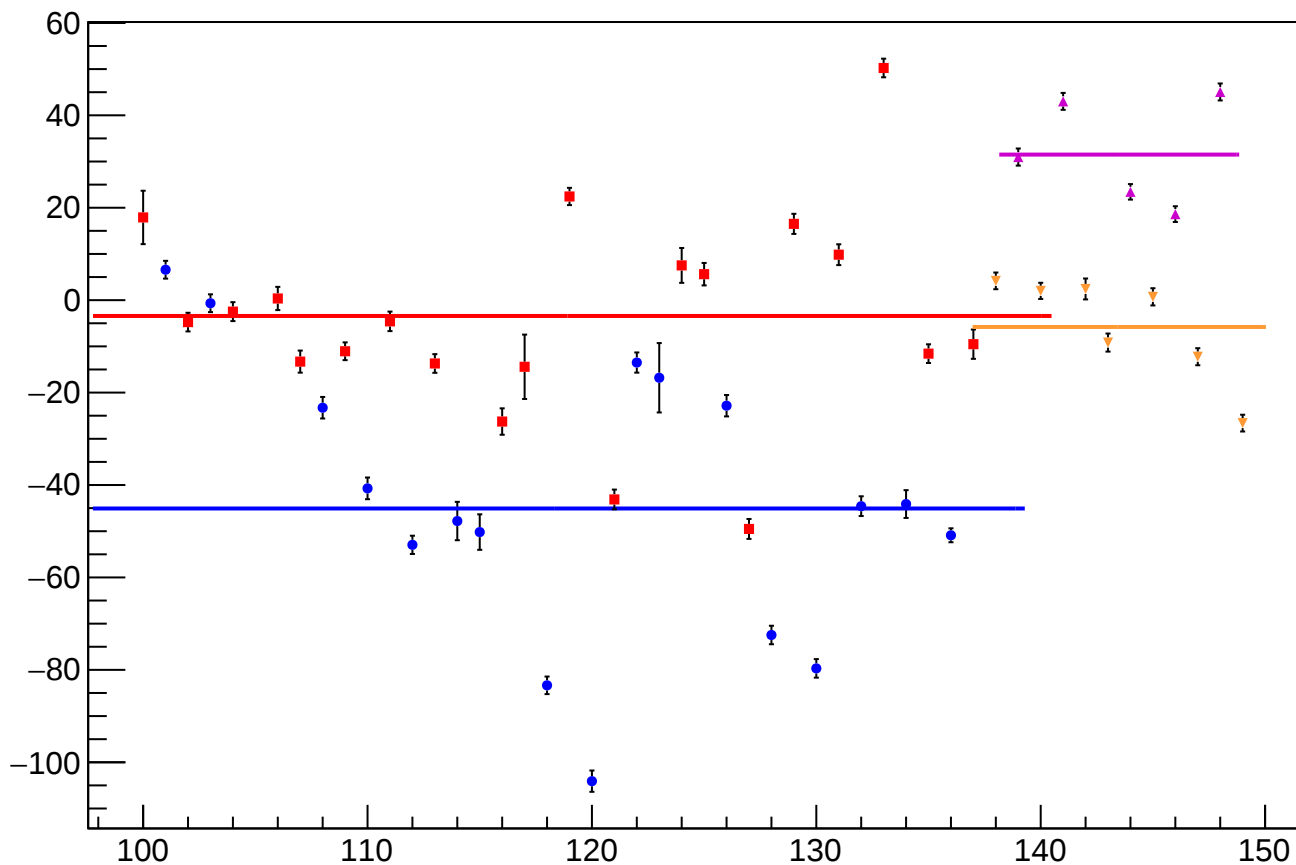
Left In: 997.687 $\pm$ 0.353 χ^2/NDF : 46797.9/4

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

1002.680 $\pm$ 0.148 χ^2/NDF : 206092.7/48

1007.581 $\pm$ 0.213 χ^2/NDF : 111392.3/24

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

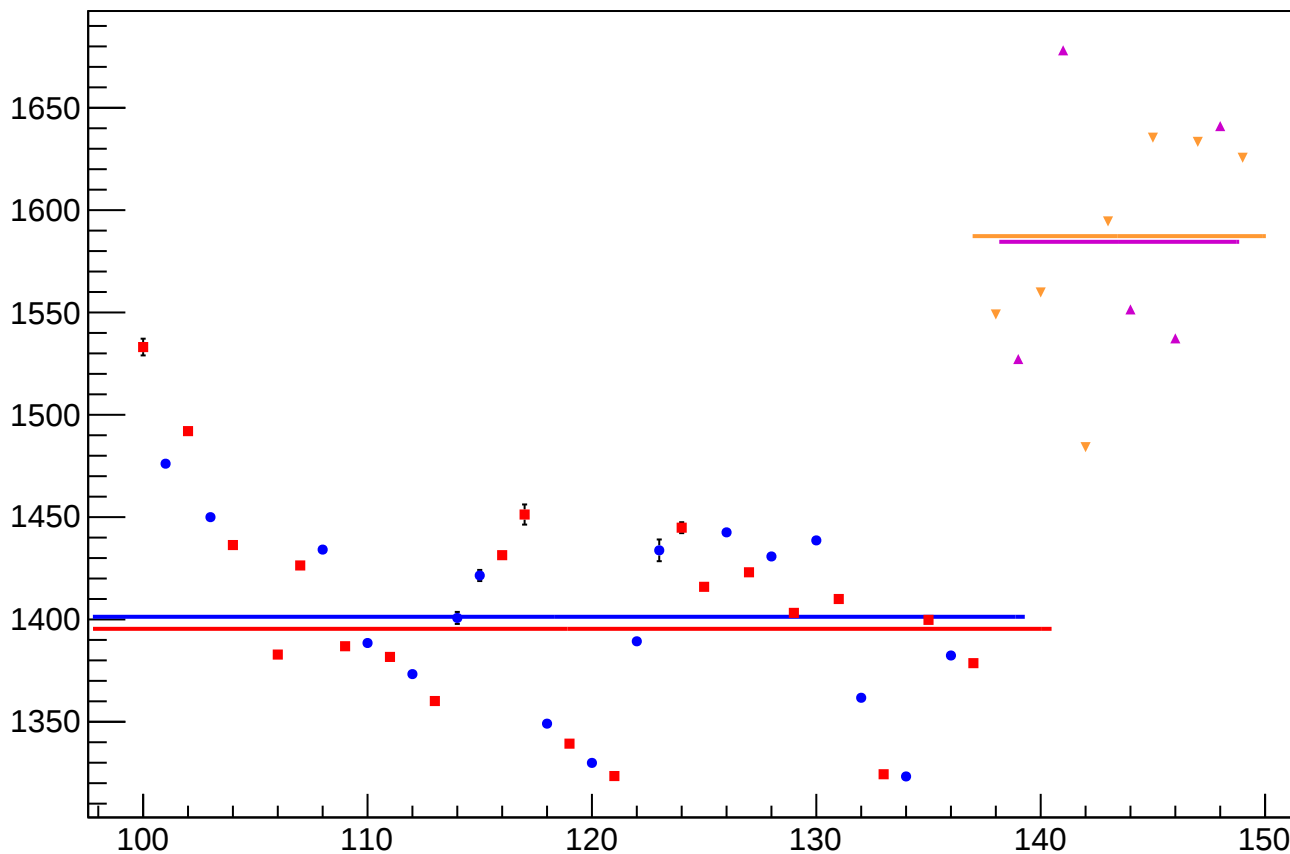
Left In: 31.499+/-0.794 χ^2/NDF : 174.5/4

-30.739+/-0.430 χ^2/NDF : 5394.6/23

-12.057+/-0.306 χ^2/NDF : 12751.0/48

7.076+/-0.435 χ^2/NDF : 3536.1/24

diff_bpm0i02X_rms vs Slug, Sign Corrected



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

Left Out: 1587.302 +/- 0.503 χ^2/NDF : 9043.2/6

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

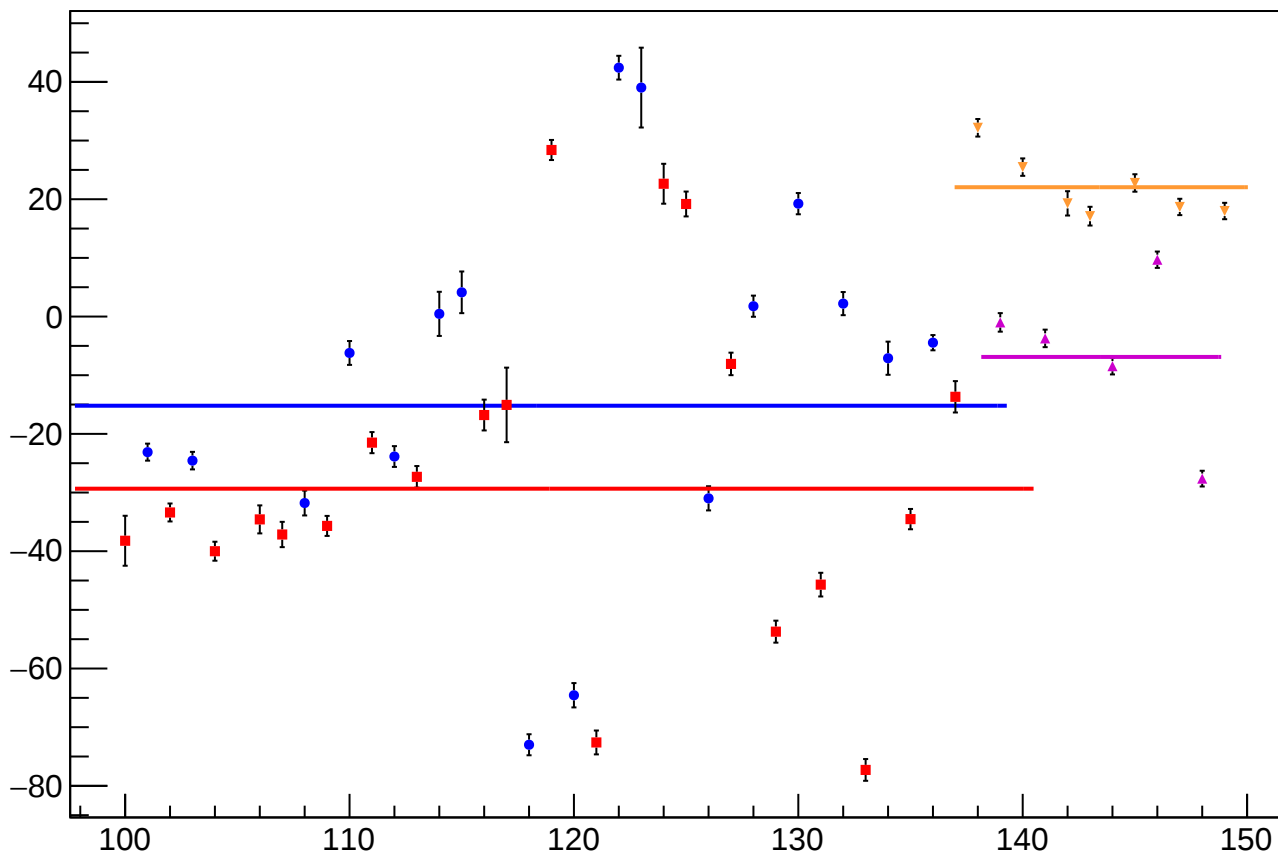
Left In: 1584.524 +/- 0.561 χ^2/NDF : 11343.4/4

1469.220 +/- 0.304 χ^2/NDF : 108628.7/23

1460.839 +/- 0.216 χ^2/NDF : 216548.9/48

1452.256 +/- 0.308 χ^2/NDF : 106382.5/24

diff_bpm0i02Y_mean vs Slug, Sign Corrected



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

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

Right Out: 22.047 $\pm$ 0.577 χ^2/NDF : 76.8/6

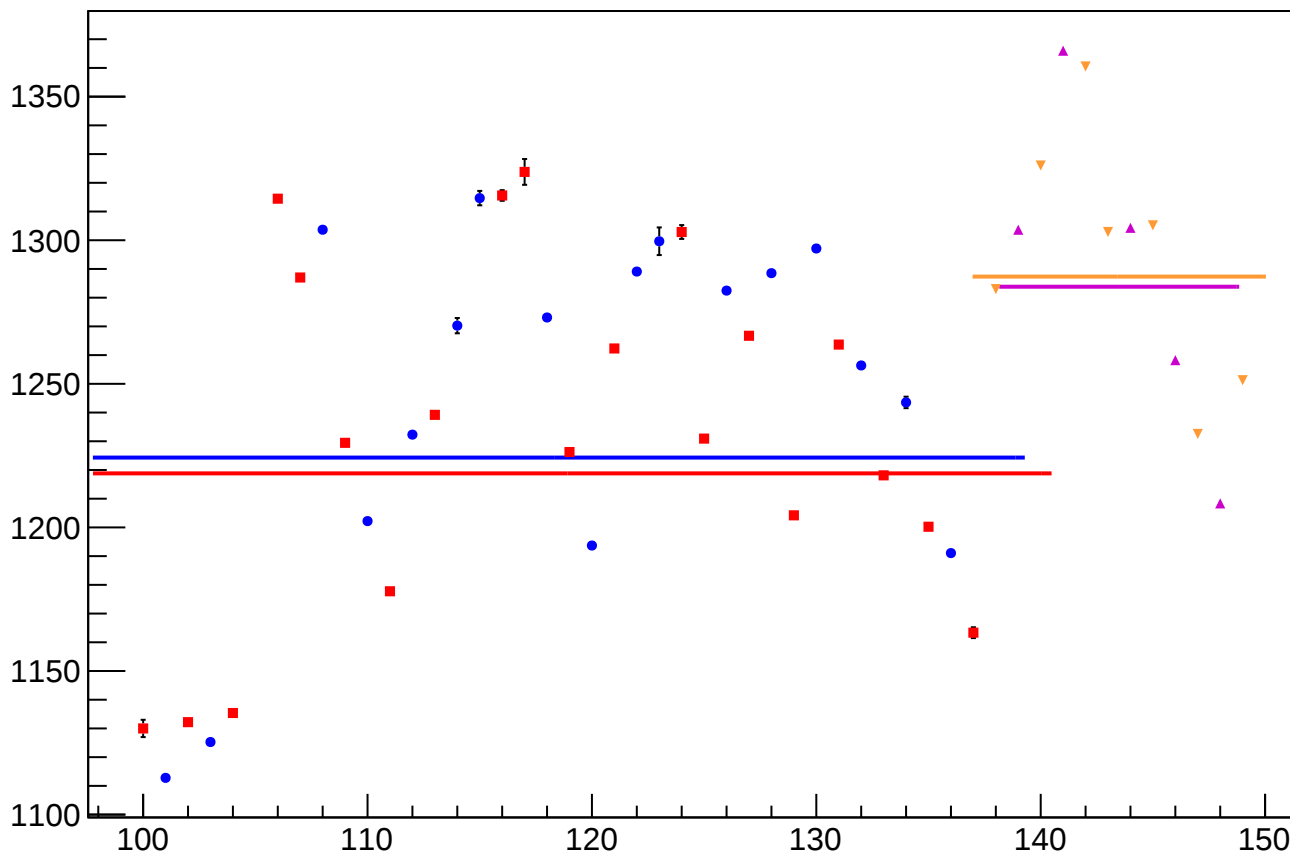
Left In: -6.883 $\pm$ 0.642 χ^2/NDF : 400.4/4

-0.267 $\pm$ 0.365 χ^2/NDF : 5935.2/23

-10.881 $\pm$ 0.260 χ^2/NDF : 12414.5/48

-21.840 $\pm$ 0.371 χ^2/NDF : 4764.4/24

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

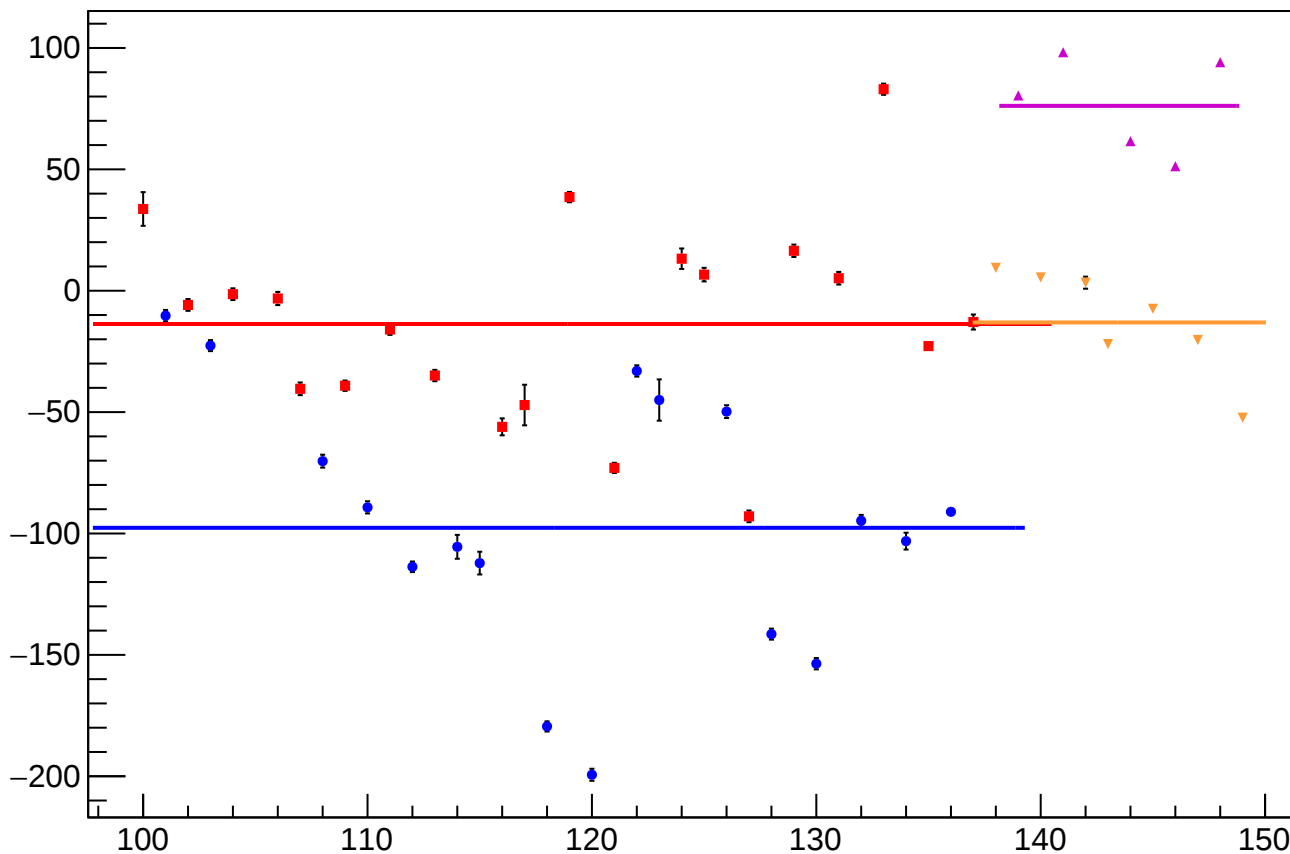
Left In: 1283.817+/-0.454 χ^2/NDF : 13801.5/4

1249.588+/-0.258 χ^2/NDF : 61836.8/23

1245.133+/-0.184 χ^2/NDF : 117999.4/48

1240.534+/-0.263 χ^2/NDF : 55558.5/24

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

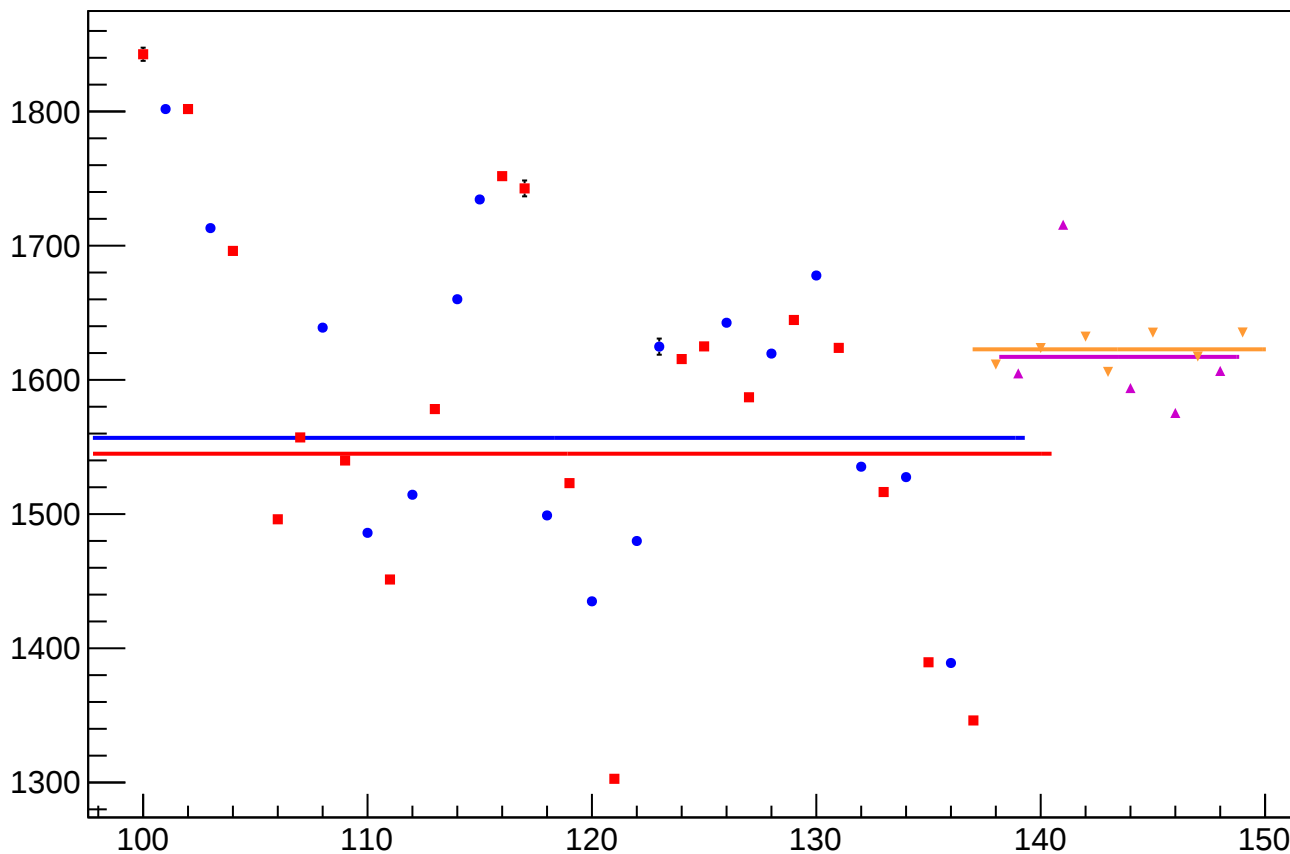
Left In: 76.157 ± 0.809 χ^2/NDF : 519.6/4

-63.300 ± 0.463 χ^2/NDF : 16771.7/23

-23.911 ± 0.330 χ^2/NDF : 45270.4/48

16.663 ± 0.470 χ^2/NDF : 13830.2/24

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

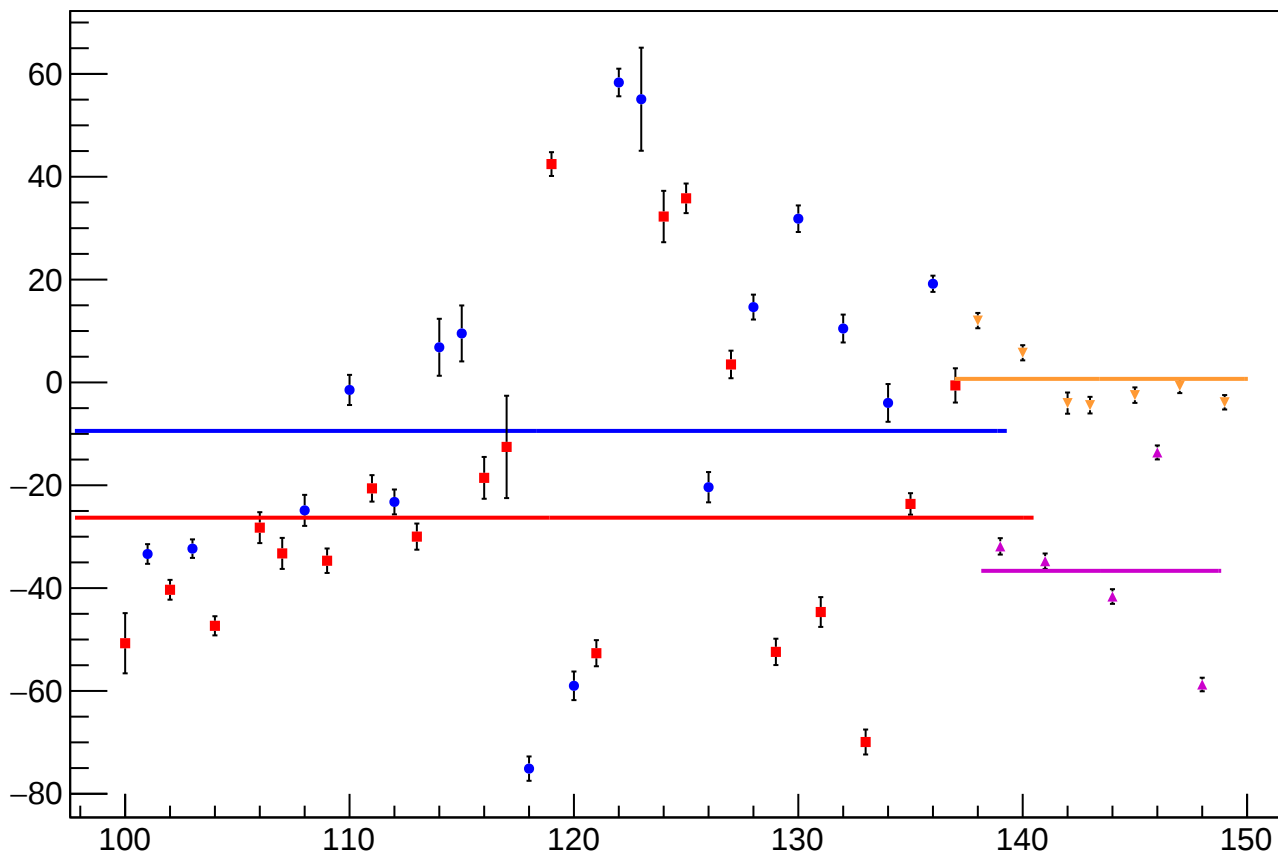
Left In: 1617.144 $\pm$ 0.572 χ^2 /NDF: 7185.4/4

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

1576.586 $\pm$ 0.233 χ^2 /NDF: 212048.5/48

1569.366 $\pm$ 0.333 χ^2 /NDF: 119343.8/24

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

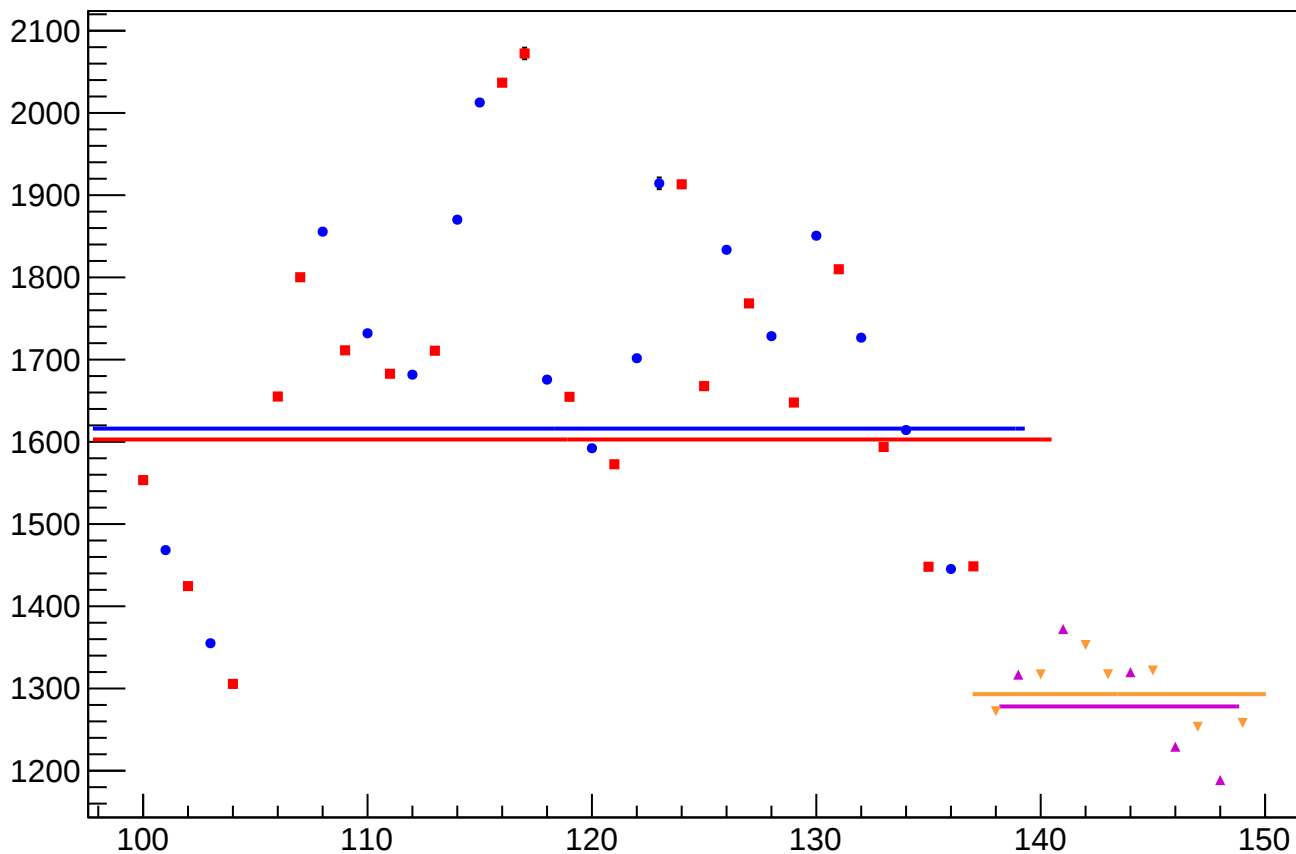
Left In: -36.642+/-0.640 χ^2/NDF : 588.0/4

-3.976+/-0.426 χ^2/NDF : 3165.6/23

-17.157+/-0.305 χ^2/NDF : 8344.4/48

-31.152+/-0.438 χ^2/NDF : 3200.4/24

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

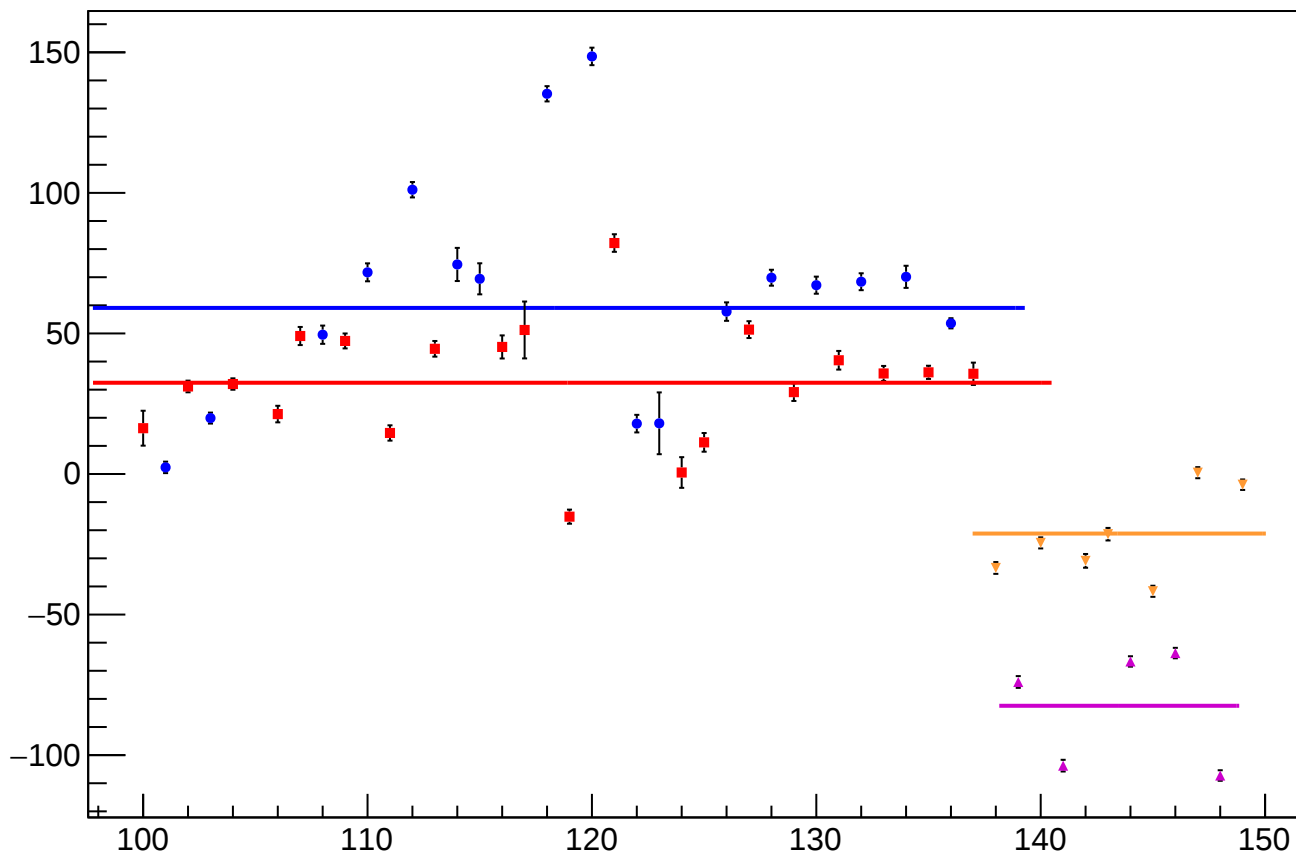
Left In: 1278.168 $\pm$ 0.453 χ^2/NDF : 22524.5/4

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

1446.232 $\pm$ 0.216 χ^2/NDF : 896664.6/48

1450.579 $\pm$ 0.310 χ^2/NDF : 453787.5/24

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

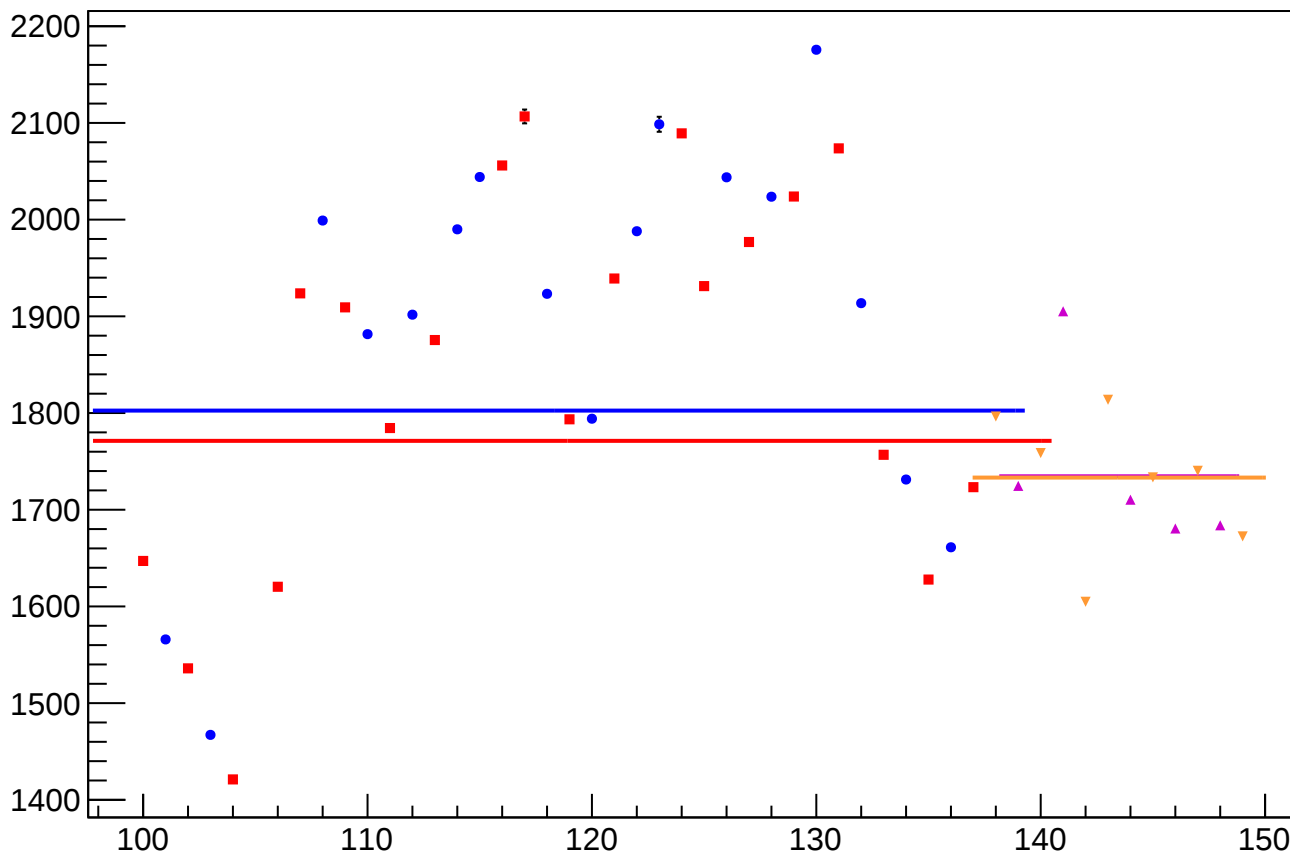
Left In: -82.447 ± 0.869 χ^2/NDF : 469.8/4

23.210 ± 0.520 χ^2/NDF : 9546.5/23

6.874 ± 0.371 χ^2/NDF : 23938.3/48

-9.968 ± 0.528 χ^2/NDF : 12388.9/24

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1802.524 ± 0.495 $\chi^2/\text{NDF}: 184069.0/16$

Left Out: 1733.249 ± 0.550 $\chi^2/\text{NDF}: 12397.7/6$

Right Out: 1771.228 ± 0.470 $\chi^2/\text{NDF}: 180101.6/19$

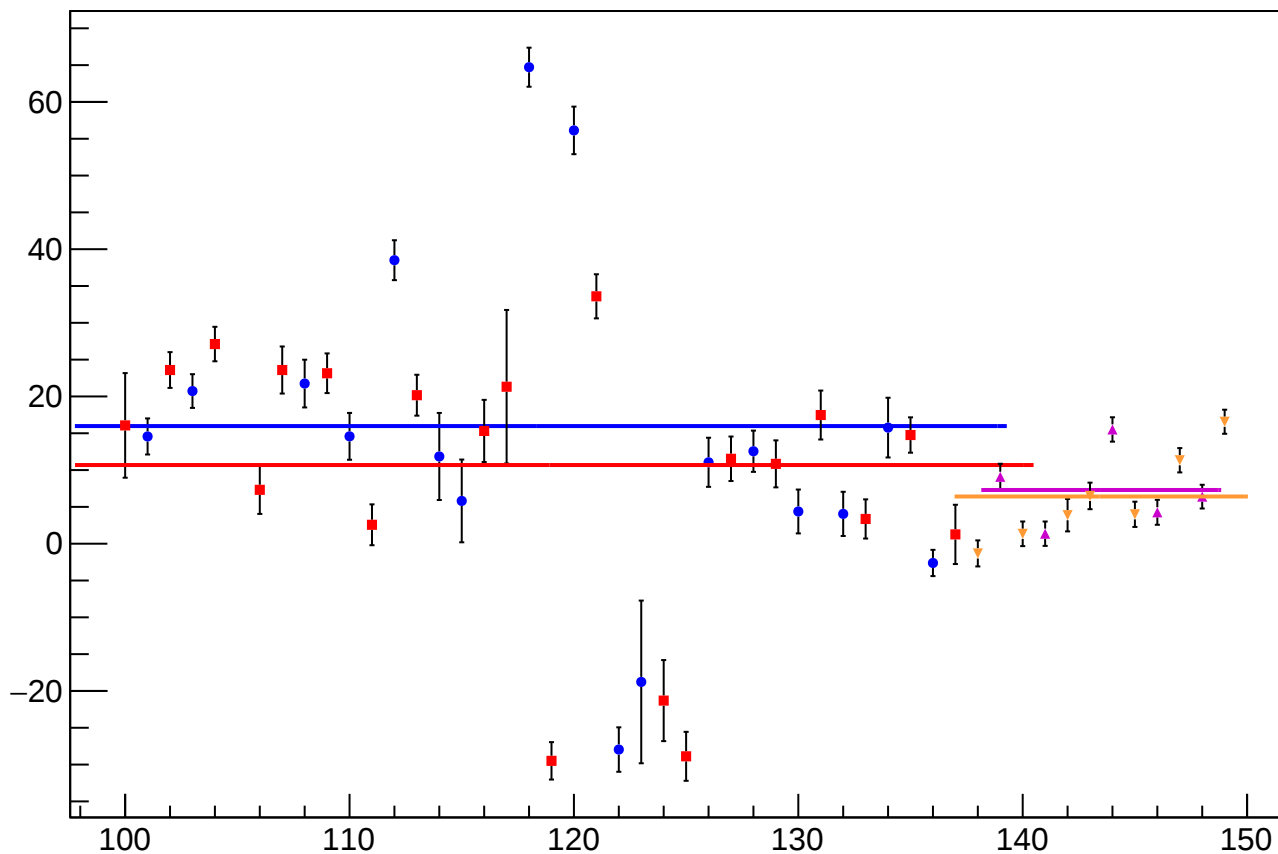
Left In: 1734.606 ± 0.615 $\chi^2/\text{NDF}: 16947.0/4$

1771.563 ± 0.368 $\chi^2/\text{NDF}: 205234.5/23$

1764.740 ± 0.262 $\chi^2/\text{NDF}: 405221.4/48$

1757.705 ± 0.373 $\chi^2/\text{NDF}: 199288.0/24$

diff_bpm0i05Y_mean vs Slug, Sign Corrected



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

Left Out: 6.409 $\pm$ 0.664 χ^2 /NDF: 79.0/6

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

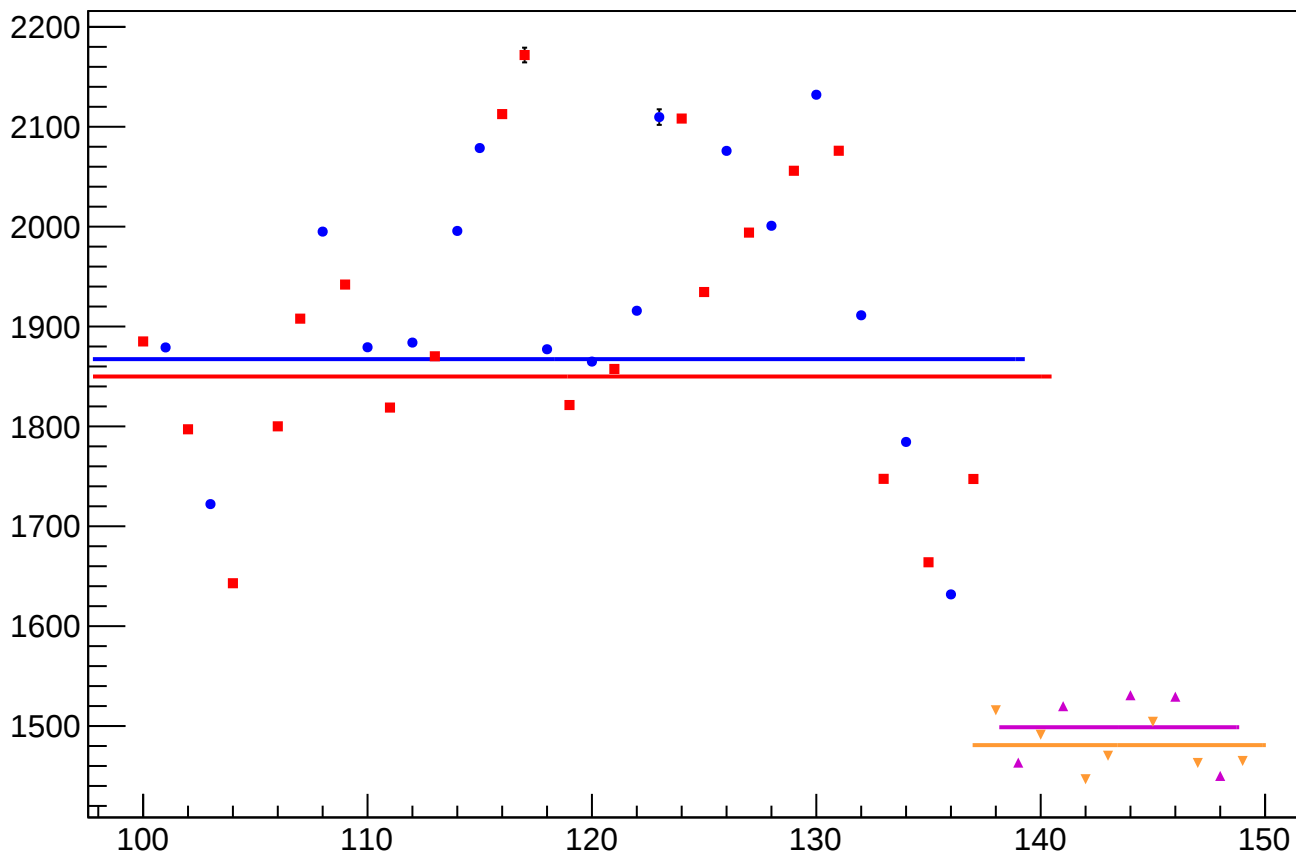
Left In: 7.296 $\pm$ 0.749 χ^2 /NDF: 42.0/4

10.793 $\pm$ 0.488 χ^2 /NDF: 1112.6/23

9.992 $\pm$ 0.352 χ^2 /NDF: 1814.4/48

9.125 $\pm$ 0.508 χ^2 /NDF: 696.2/24

diff_bpm0i05Y_rms vs Slug, Sign Corrected



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

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

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

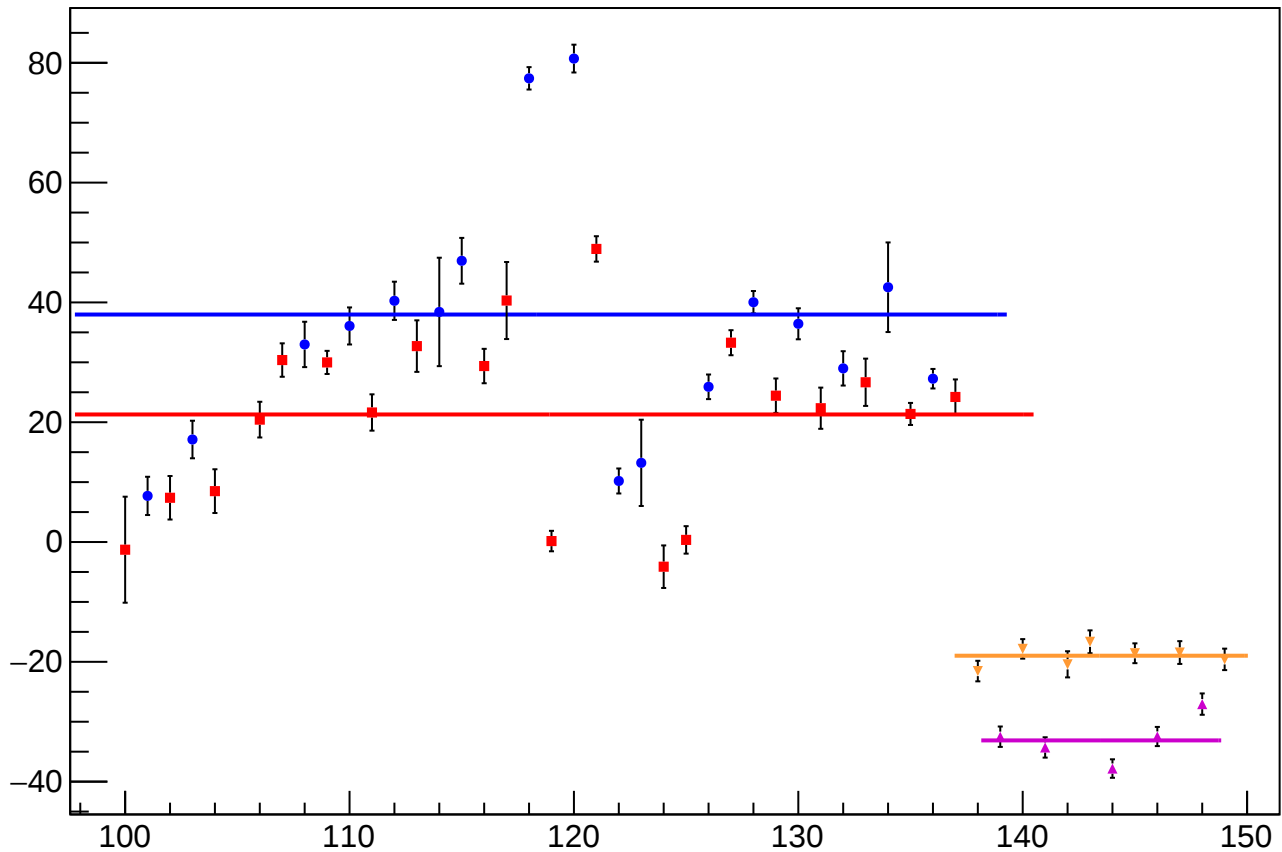
Left In: 1498.796 $\pm$ 0.530 χ^2 /NDF: 4352.8/4

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

1672.570 $\pm$ 0.249 χ^2 /NDF: 713498.9/48

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

diff_bpm0i07X_mean vs Slug, Sign Corrected



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

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

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

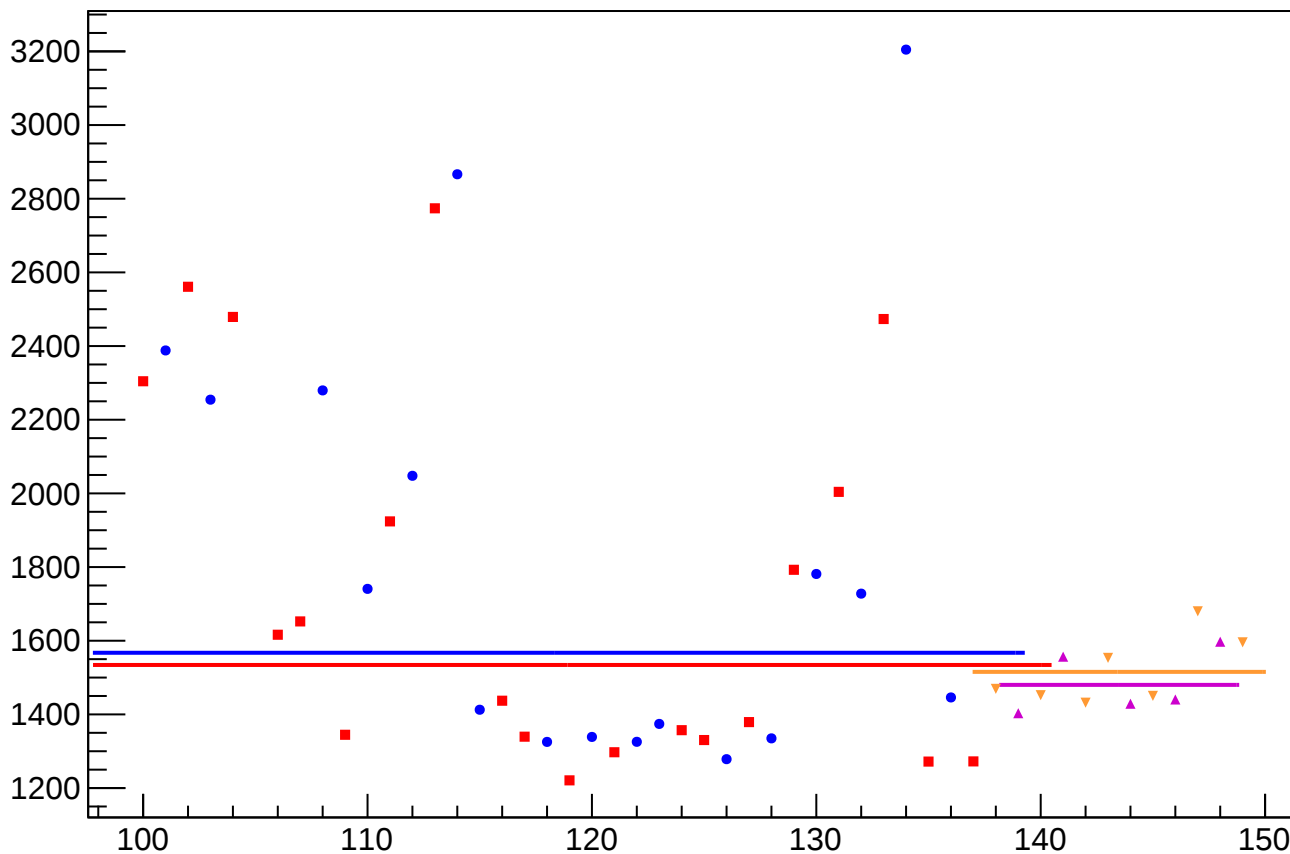
Left In: -33.119 ± 0.742 $\chi^2/\text{NDF}: 21.6/4$

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

5.511 ± 0.330 $\chi^2/\text{NDF}: 9090.8/48$

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

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

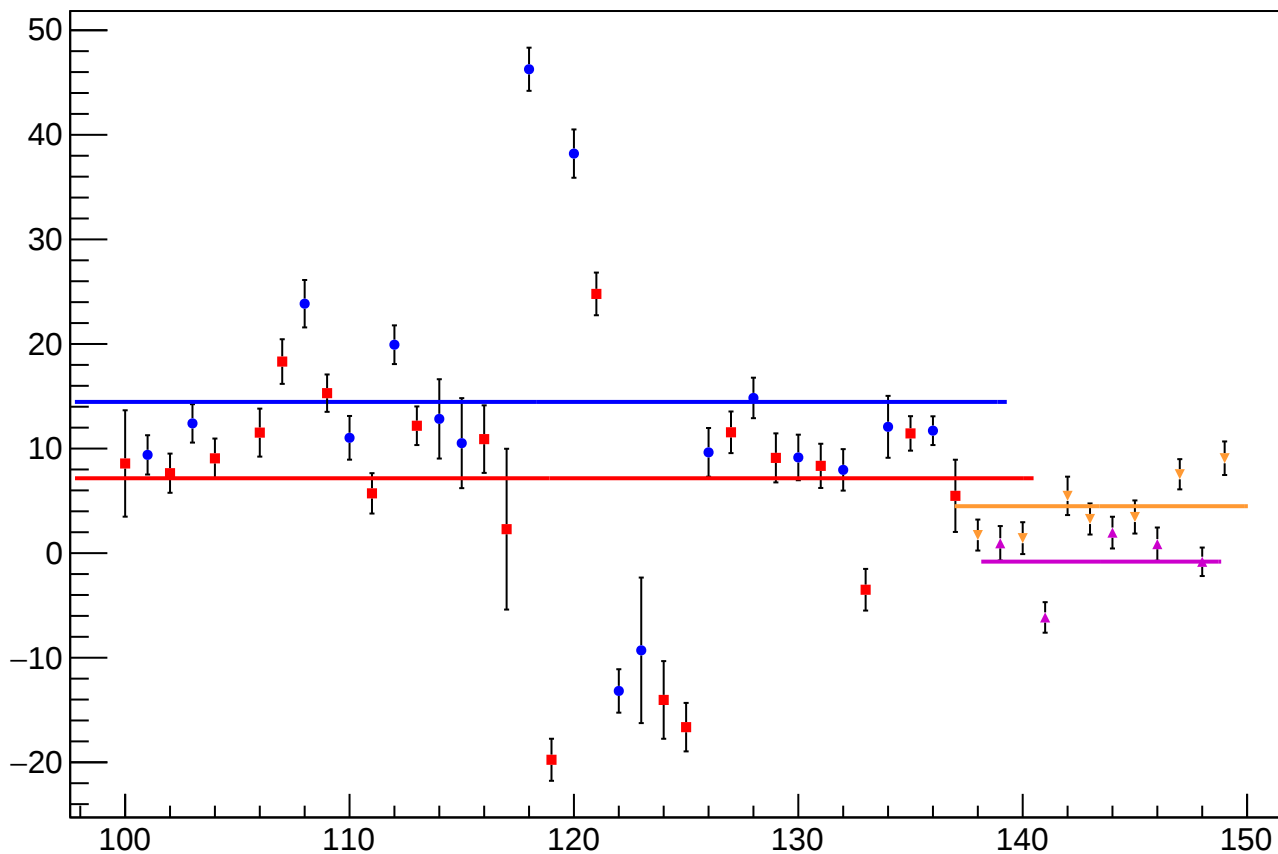
Left In: 1480.143 $\pm$ 0.525 χ^2/NDF : 20225.0/4

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

1527.986 $\pm$ 0.234 χ^2/NDF : 1624704.1/48

1512.598 $\pm$ 0.332 χ^2/NDF : 910550.1/24

diff_bpm0i07Y_mean vs Slug, Sign Corrected



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

Left Out: 4.488+/-0.587 χ^2 /NDF: 21.5/6

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

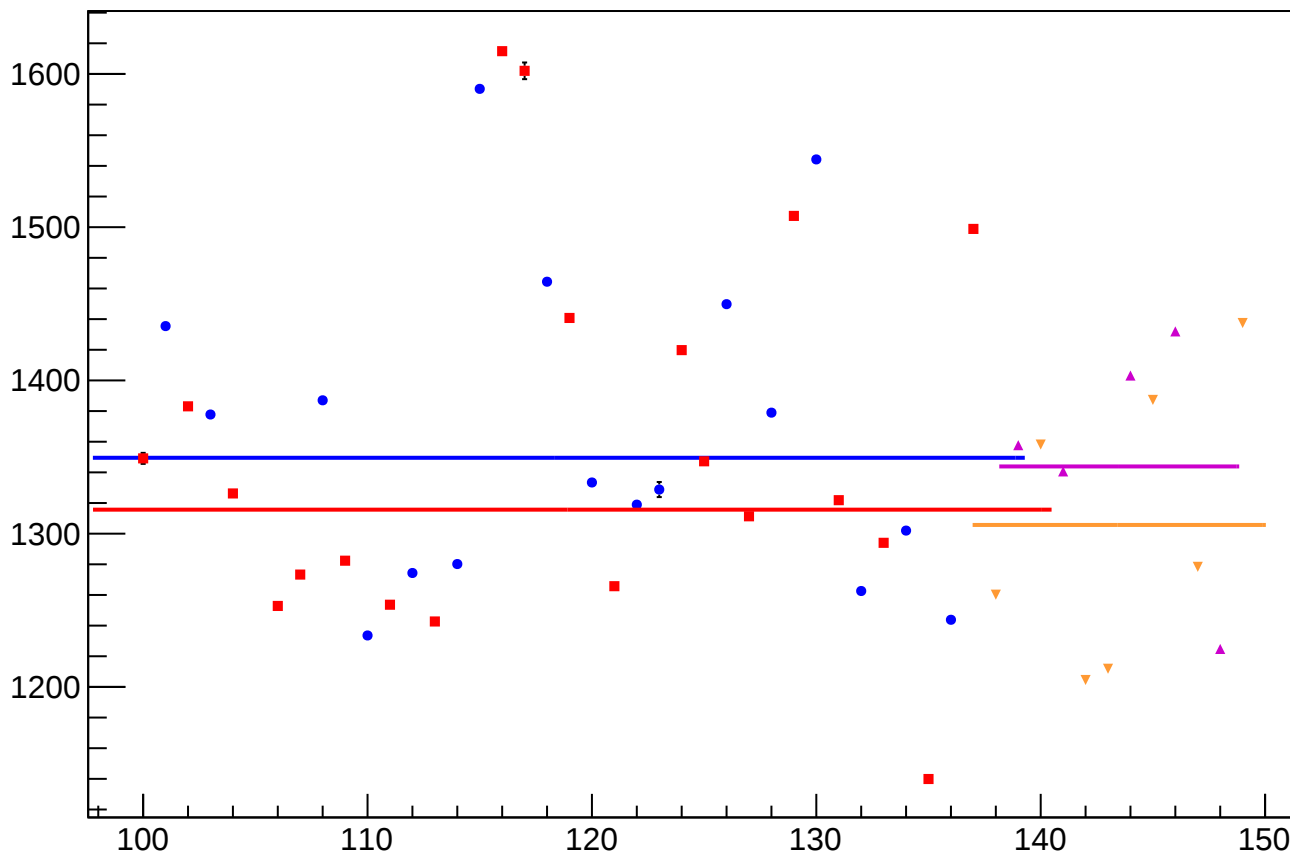
Left In: -0.811+/-0.673 χ^2 /NDF: 18.9/4

10.047+/-0.391 χ^2 /NDF: 778.2/23

7.263+/-0.279 χ^2 /NDF: 1488.0/48

4.375+/-0.398 χ^2 /NDF: 606.2/24

diff_bpm0i07Y_rms vs Slug, Sign Corrected



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

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

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

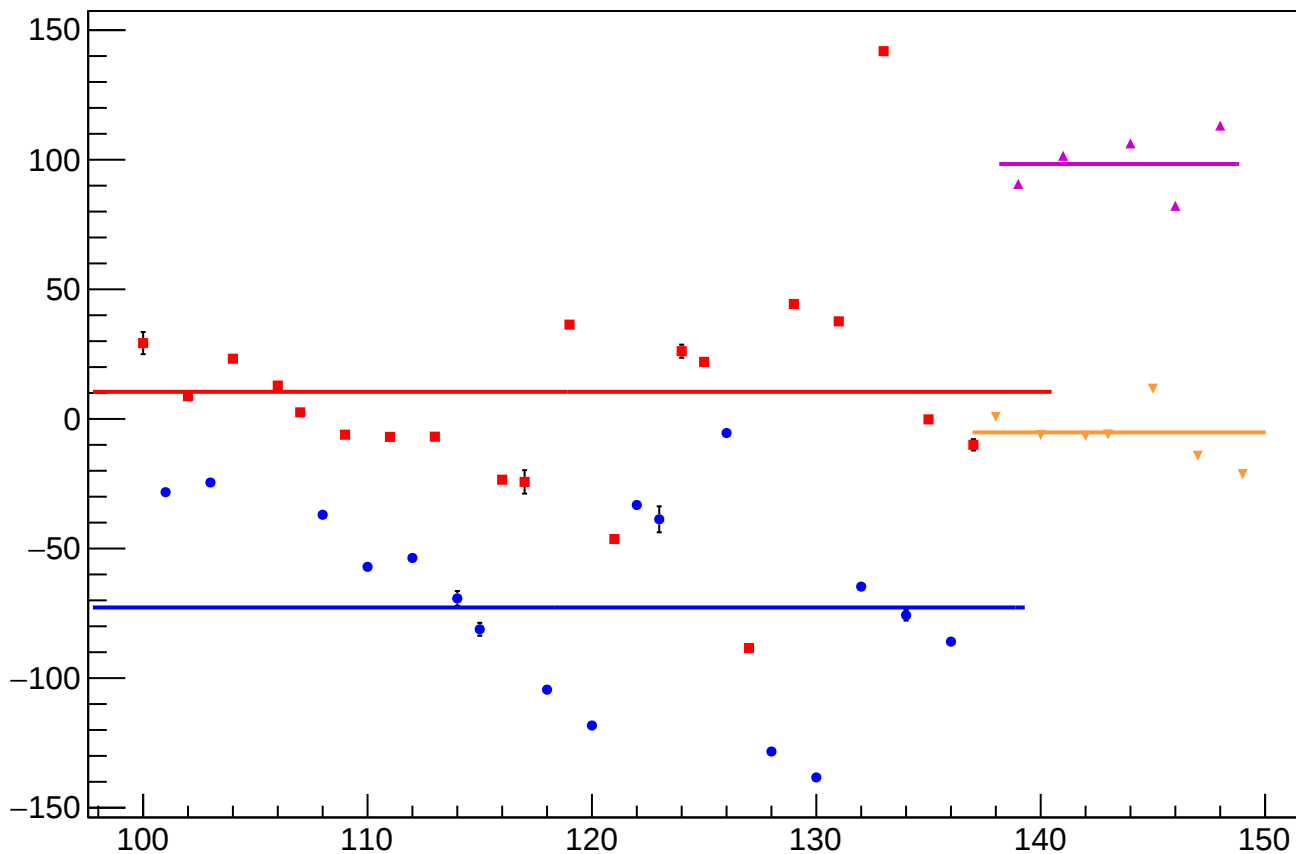
Left In: 1343.868 +/- 0.476 χ^2/NDF : 24655.9/4

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

1327.865 +/- 0.197 χ^2/NDF : 219497.2/48

1325.524 +/- 0.281 χ^2/NDF : 110678.4/24

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

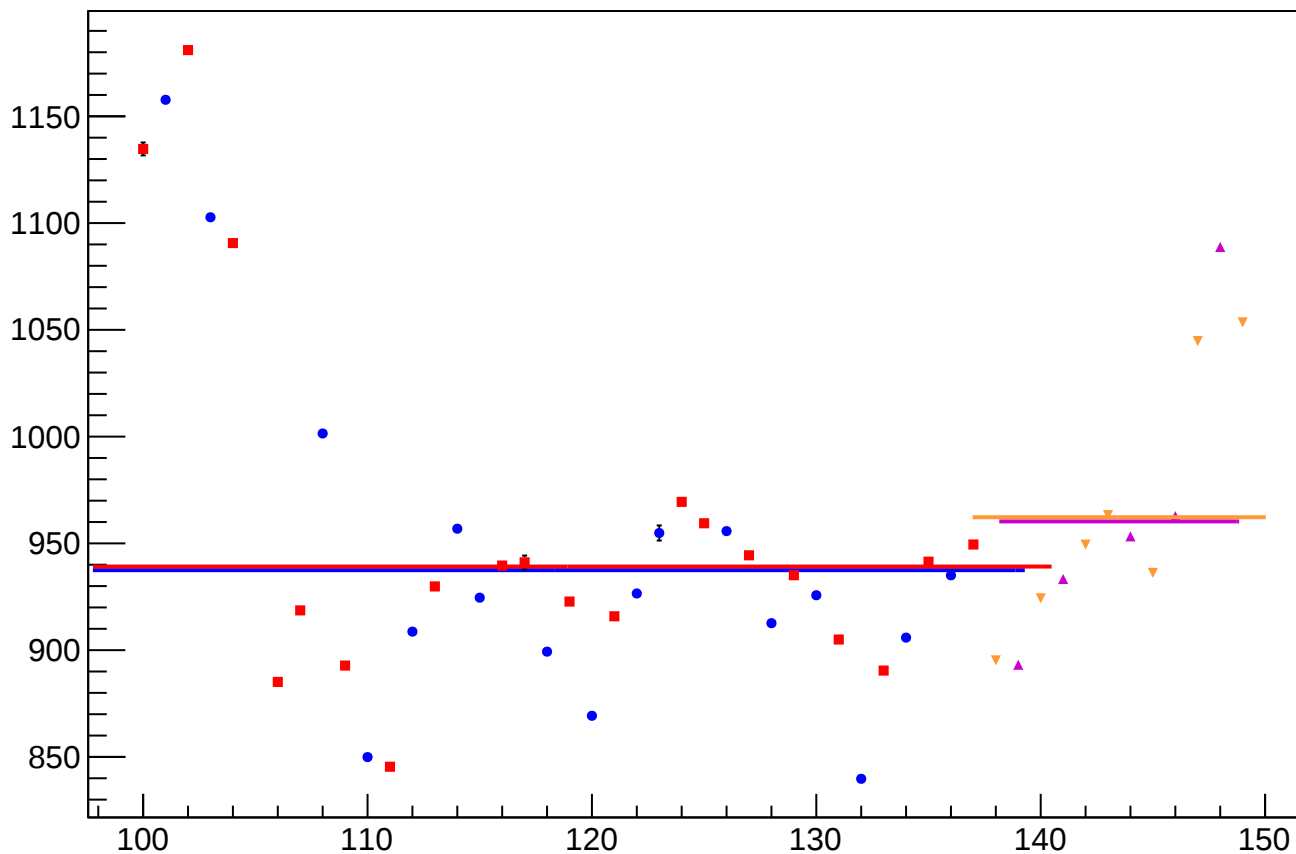
Left In: 98.347 +/- 0.481 χ^2/NDF : 498.6/4

-44.834 +/- 0.278 χ^2/NDF : 26576.7/23

-2.804 +/- 0.198 χ^2/NDF : 113960.9/48

41.063 +/- 0.284 χ^2/NDF : 40529.0/24

diff_bpm1i02X_rms vs Slug, Sign Corrected



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

Left Out: 962.246 +/- 0.305 χ^2/NDF : 34088.1/6

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

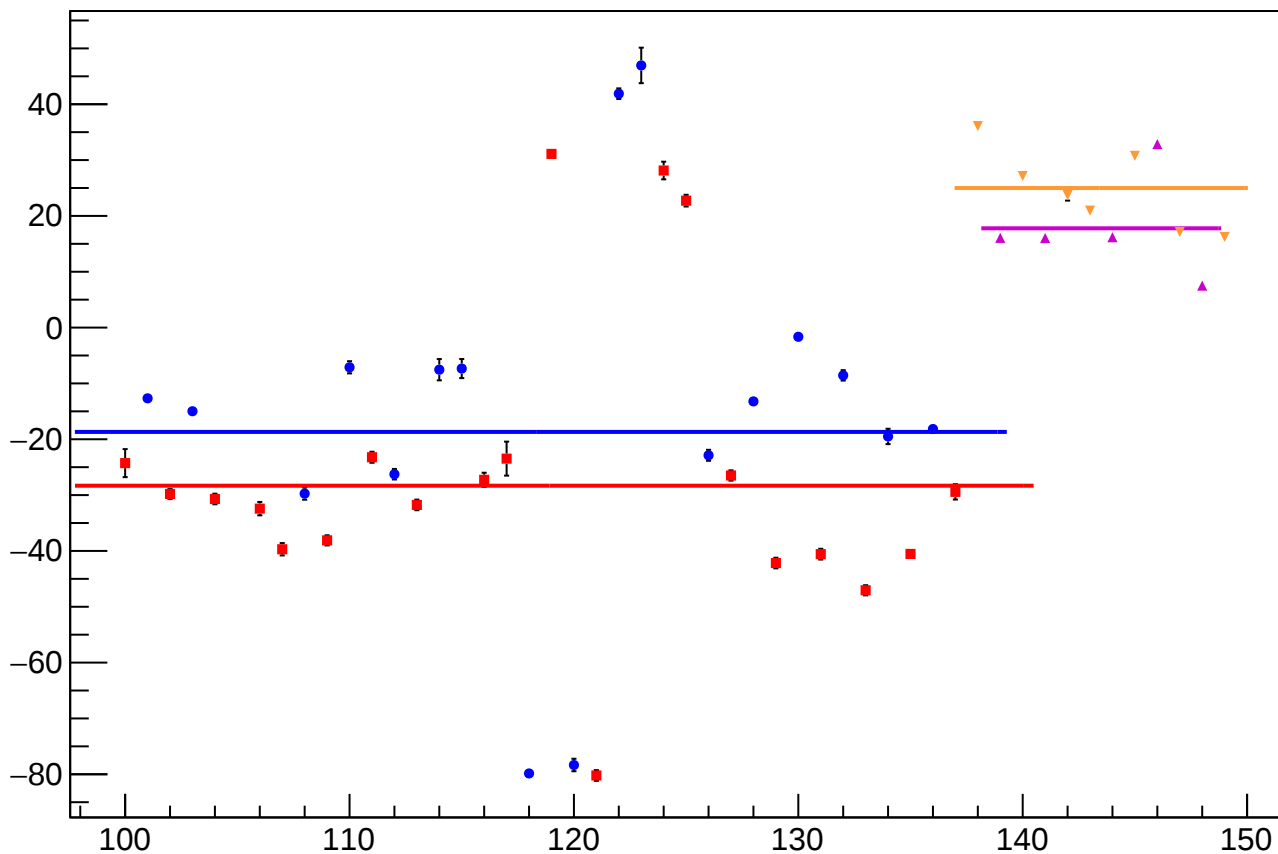
Left In: 960.290 +/- 0.340 χ^2/NDF : 31788.5/4

947.697 +/- 0.196 χ^2/NDF : 136264.3/23

947.117 +/- 0.140 χ^2/NDF : 260846.2/48

946.512 +/- 0.201 χ^2/NDF : 124564.1/24

diff_bpm1i02Y_mean vs Slug, Sign Corrected



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

Left Out: 24.995±0.295 χ^2/NDF : 550.3/6

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

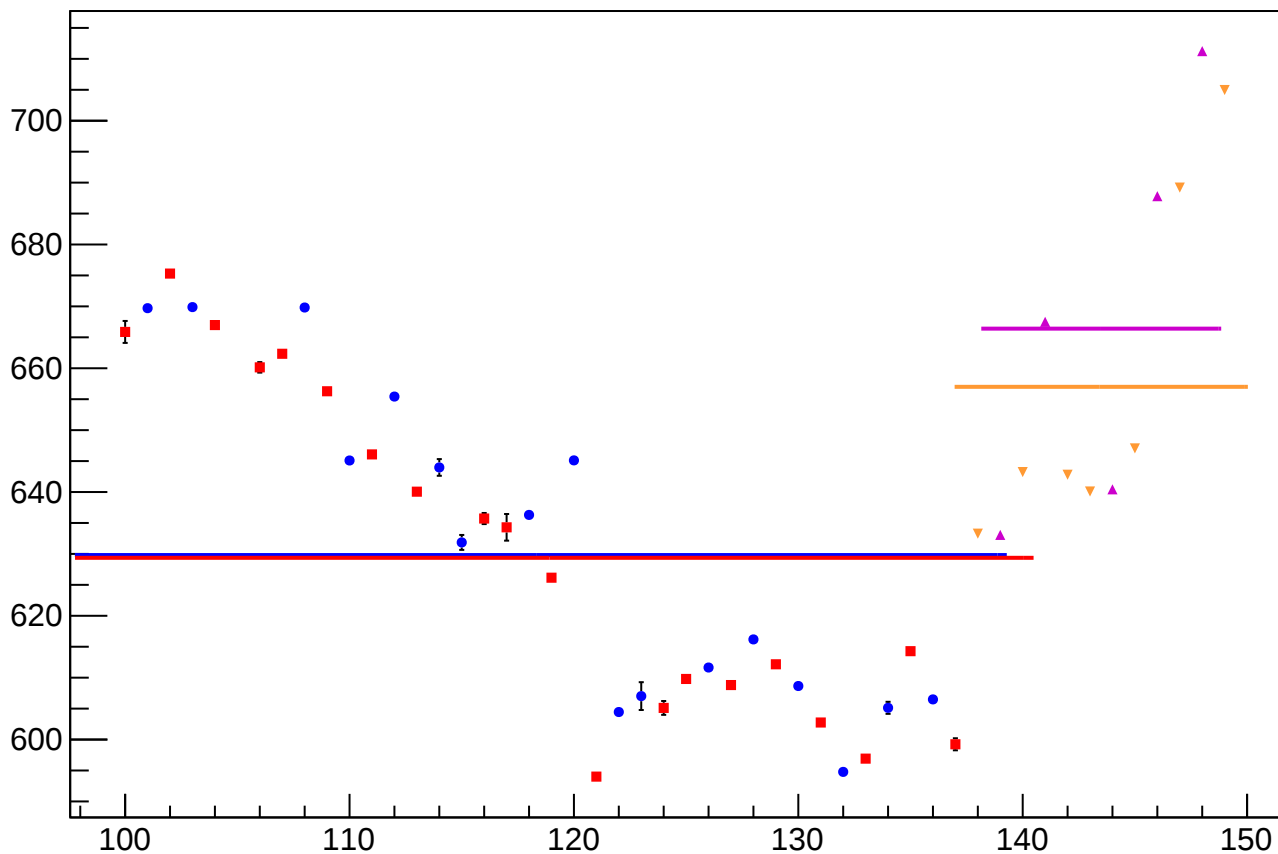
Left In: 17.782±0.333 χ^2/NDF : 577.4/4

-1.021±0.187 χ^2/NDF : 26657.7/23

-6.872±0.134 χ^2/NDF : 54548.3/48

-13.013±0.192 χ^2/NDF : 25890.0/24

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.815 $\pm$ 0.172 χ^2 /NDF: 23298.3/16

Left Out: 657.000 $\pm$ 0.208 χ^2 /NDF: 15364.4/6

Right Out: 629.370 $\pm$ 0.166 χ^2 /NDF: 25543.7/19

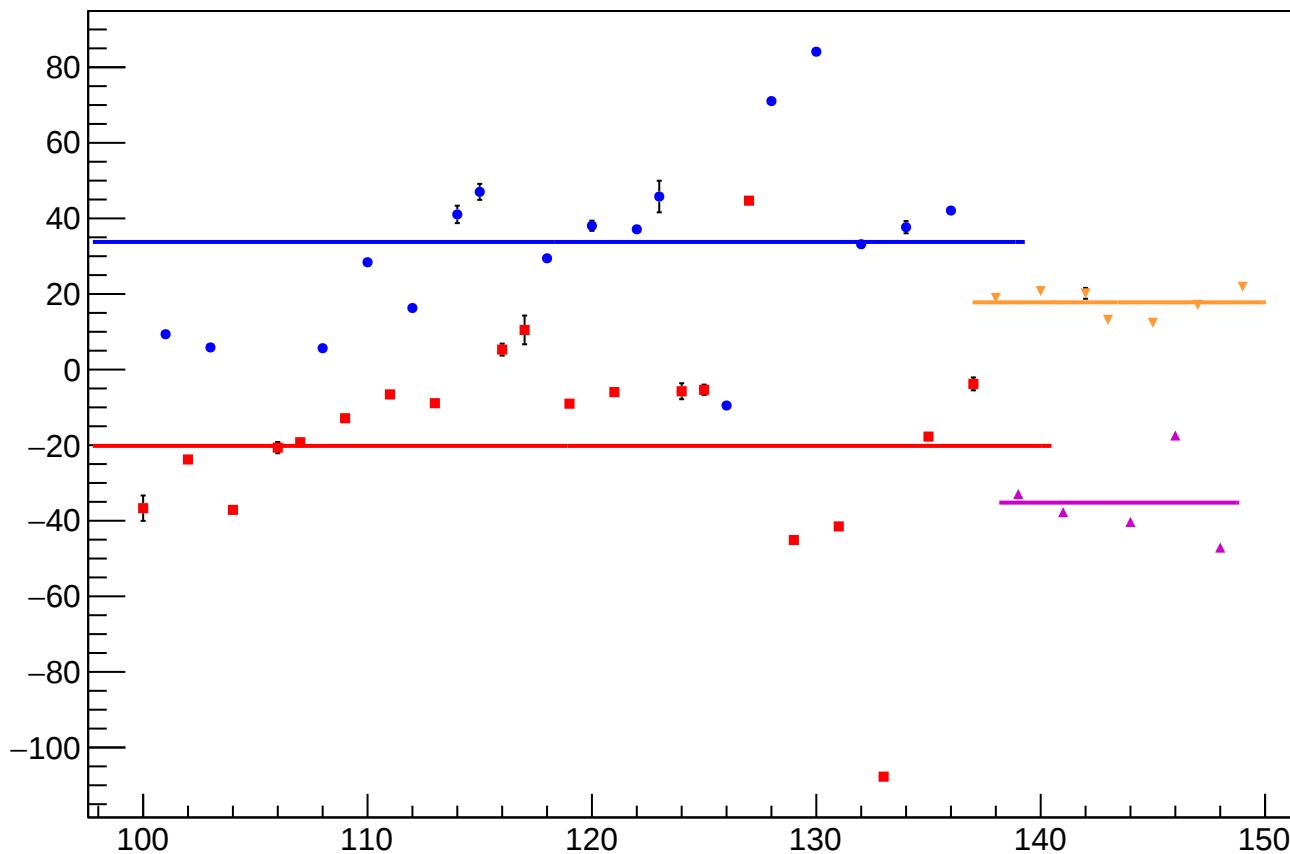
Left In: 666.403 $\pm$ 0.235 χ^2 /NDF: 14636.2/4

640.808 $\pm$ 0.132 χ^2 /NDF: 48813.3/23

641.226 $\pm$ 0.095 χ^2 /NDF: 105537.8/48

641.664 $\pm$ 0.136 χ^2 /NDF: 56704.1/24

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

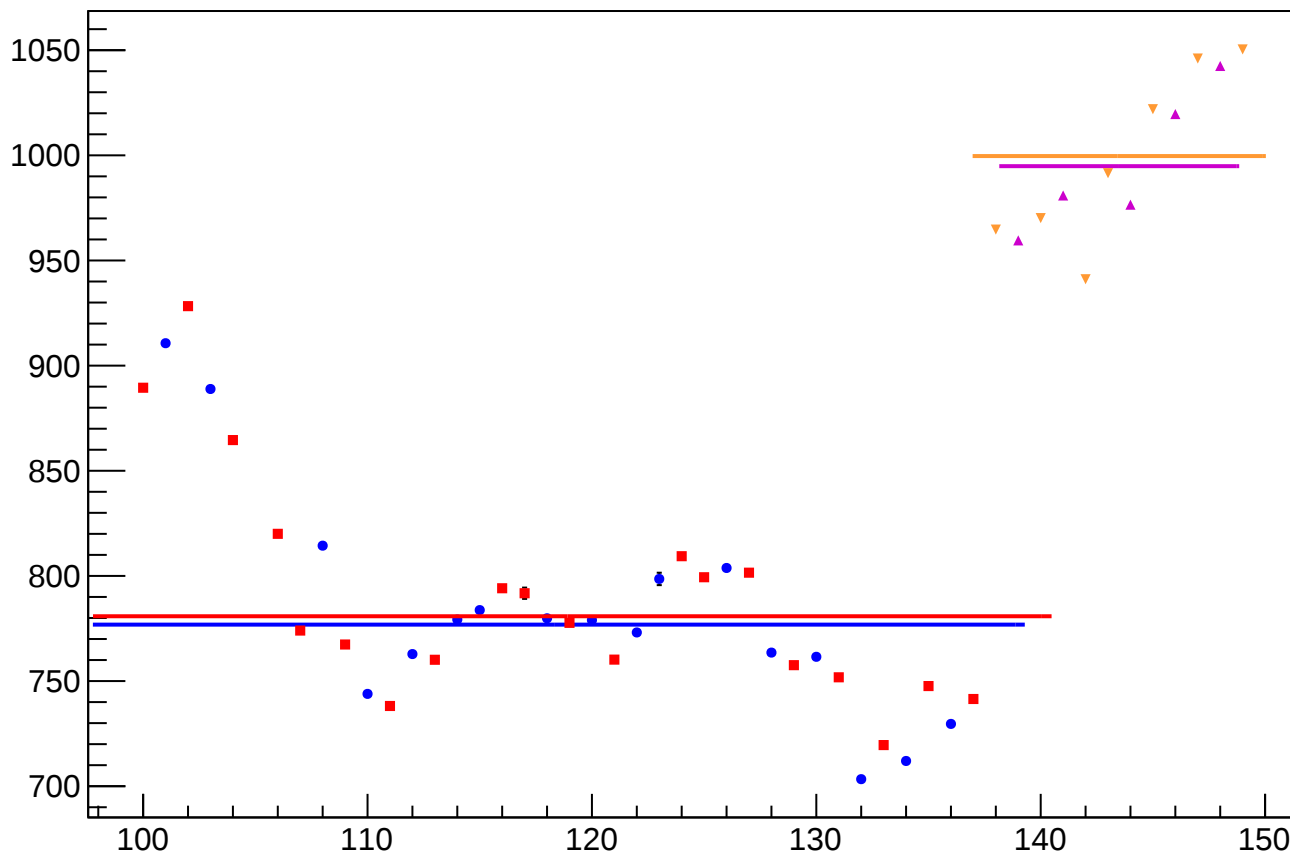
Left In: -35.206+/-0.497 χ^2/NDF : 385.3/4

28.831+/-0.249 χ^2/NDF : 7426.1/23

2.647+/-0.177 χ^2/NDF : 42124.1/48

-24.034+/-0.252 χ^2/NDF : 12416.5/24

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

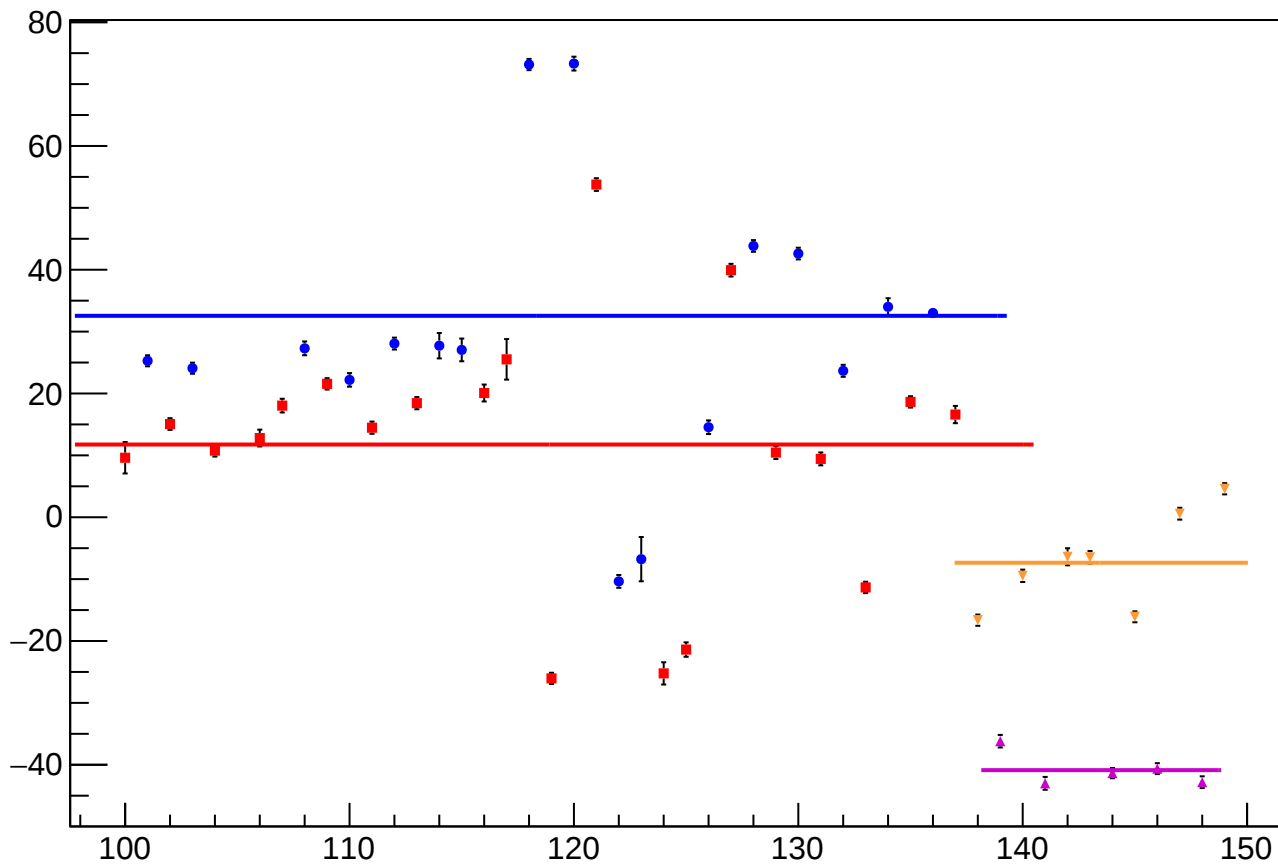
Left In: 994.853 $\pm$ 0.352 χ^2 /NDF: 7117.9/4

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

840.709 $\pm$ 0.125 χ^2 /NDF: 765071.0/48

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

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

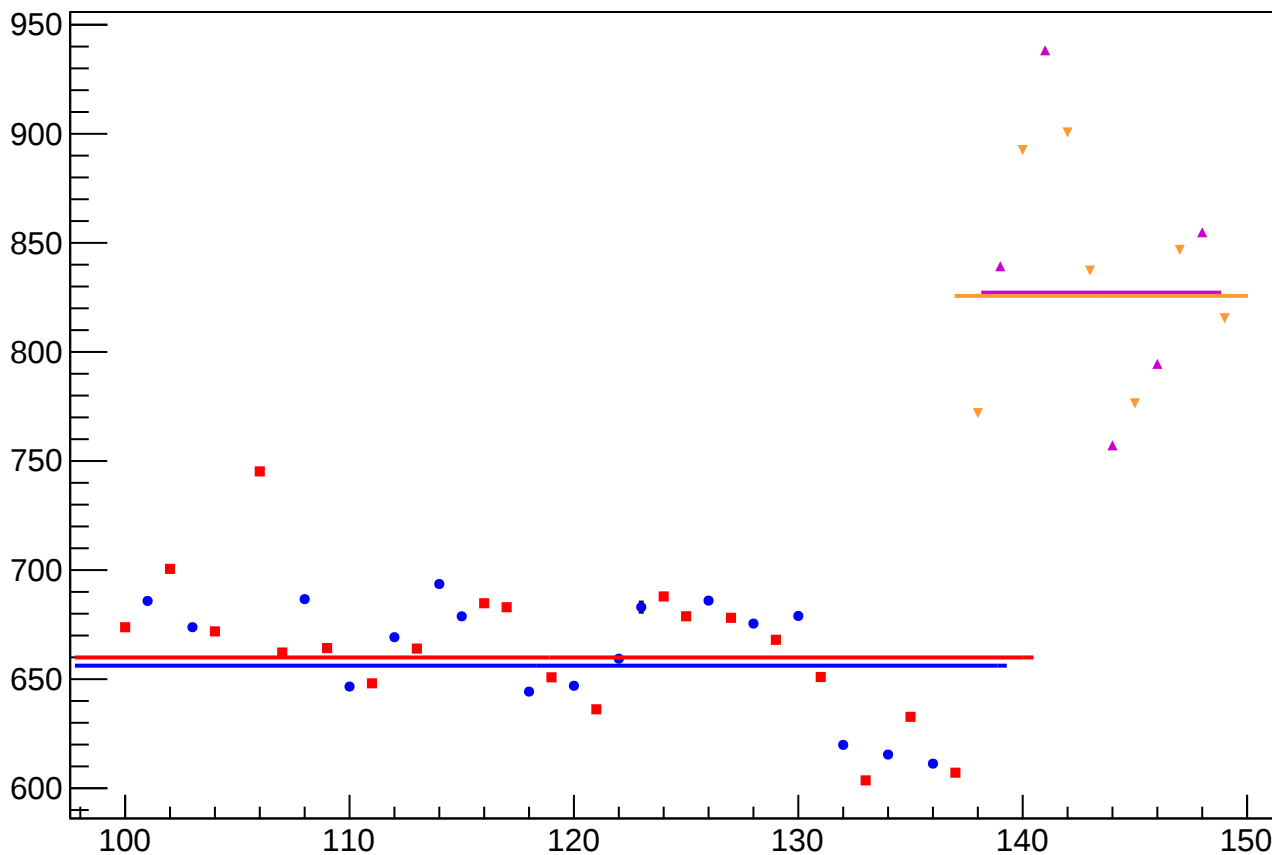
Left In: -40.870 +/- 0.417 χ^2/NDF : 29.9/4

19.918 +/- 0.209 χ^2/NDF : 14406.1/23

9.190 +/- 0.149 χ^2/NDF : 37957.2/48

-1.852 +/- 0.212 χ^2/NDF : 18206.6/24

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

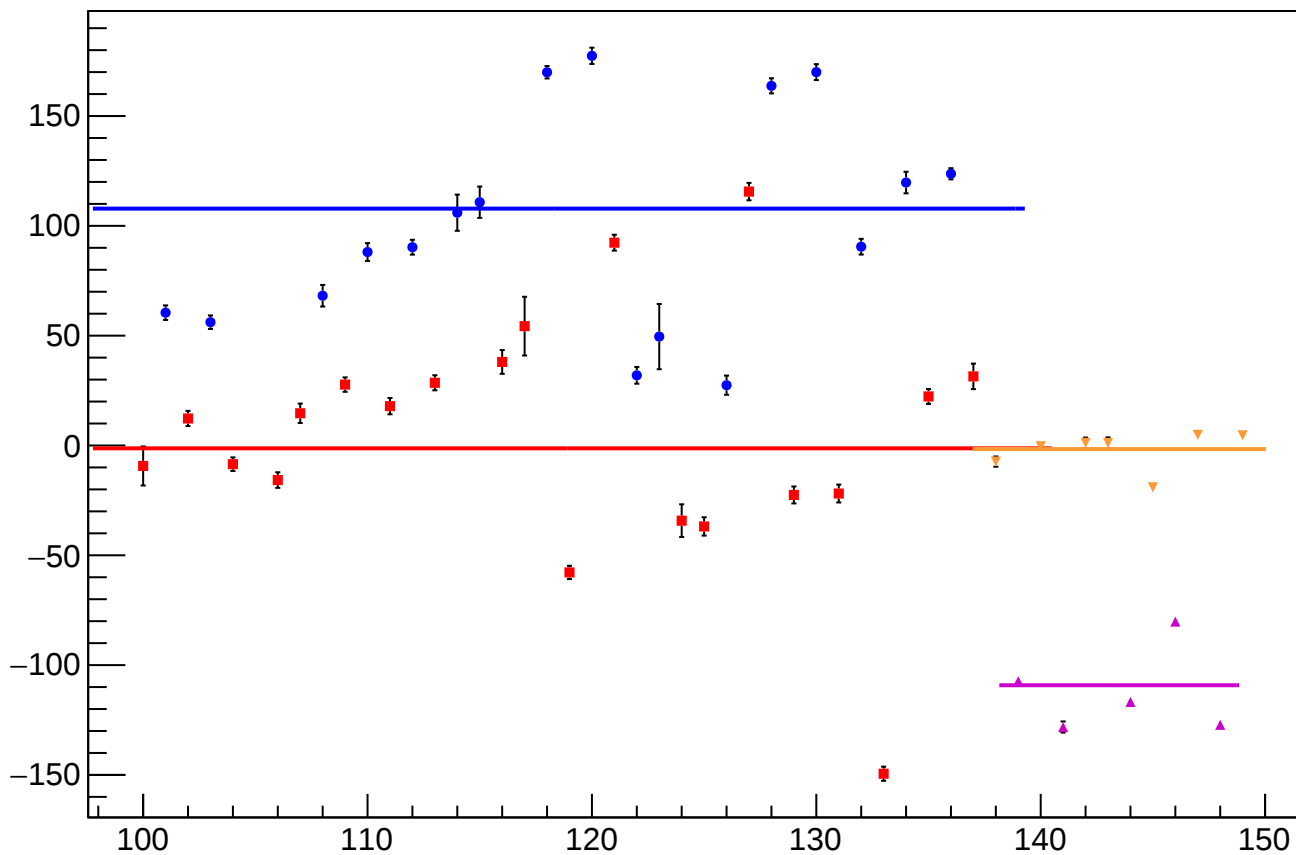
Left In: 827.194 +/- 0.295 χ^2/NDF : 41800.3/4

709.854 +/- 0.148 χ^2/NDF : 337624.9/23

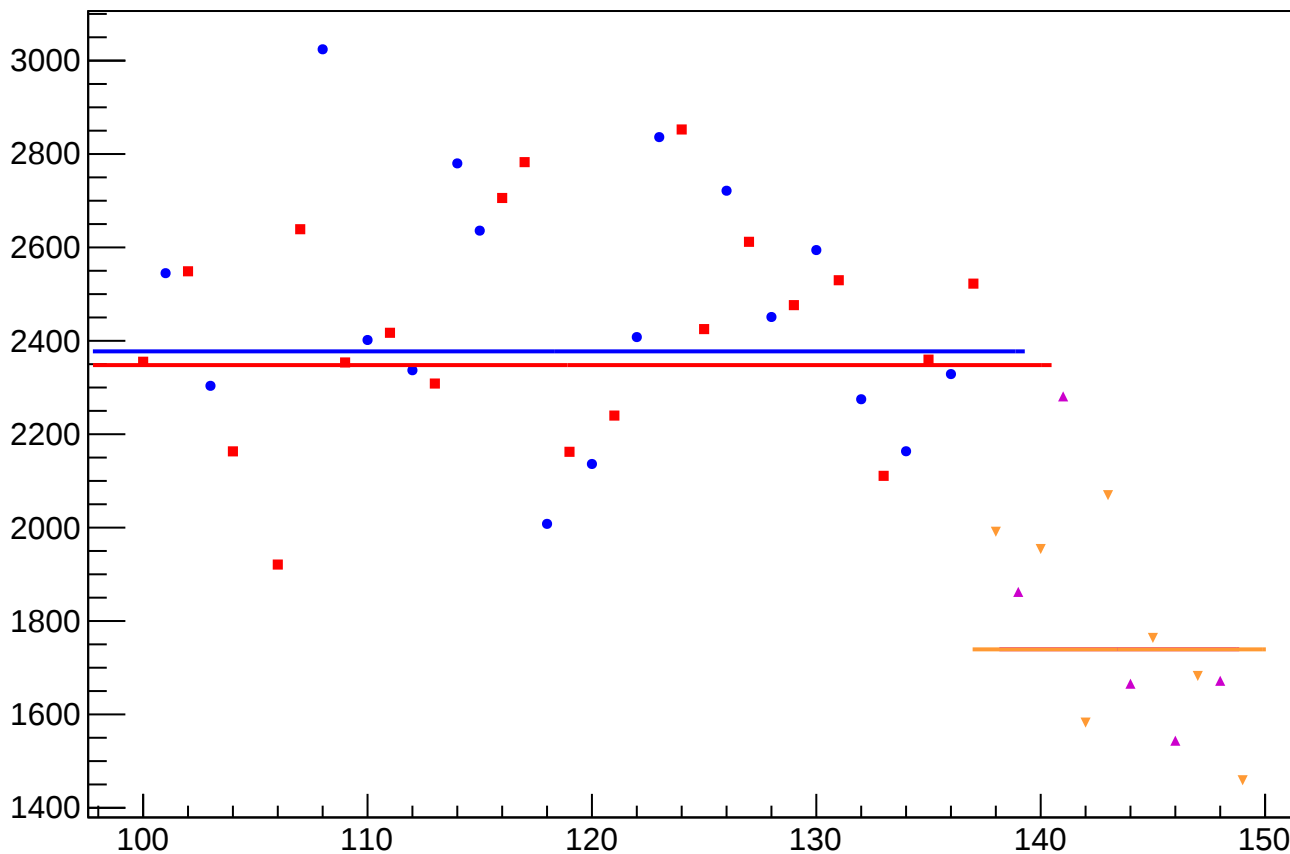
706.566 +/- 0.105 χ^2/NDF : 647281.3/48

703.181 +/- 0.150 χ^2/NDF : 308652.2/24

diff_bpm1i06X_mean vs Slug, Sign Corrected



diff_bpm1i06X_rms vs Slug, Sign Corrected



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

Left Out: 1739.281+/-0.557 χ^2/NDF : 145387.8/6

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

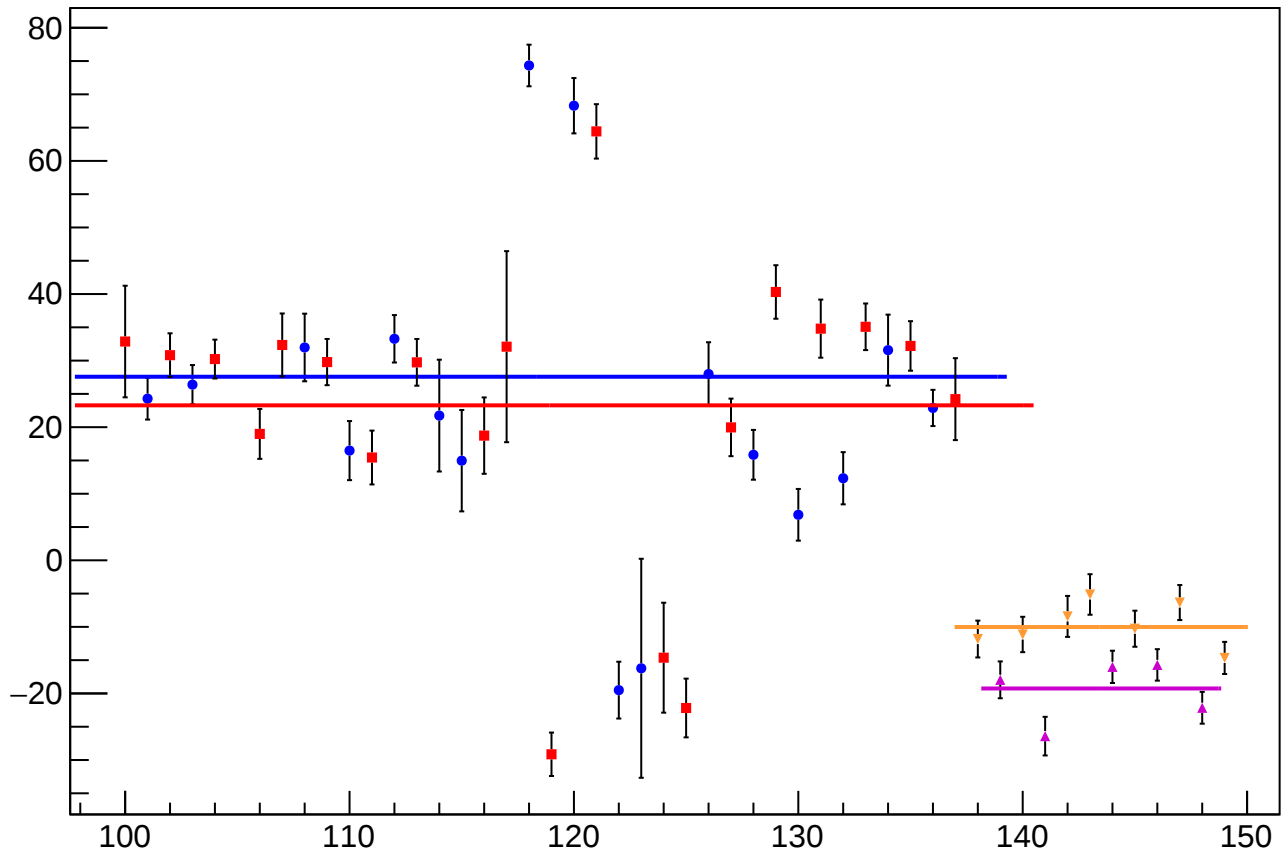
Left In: 1739.597+/-0.627 χ^2/NDF : 129162.6/4

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

2026.575+/-0.306 χ^2/NDF : 1535392.7/48

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

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

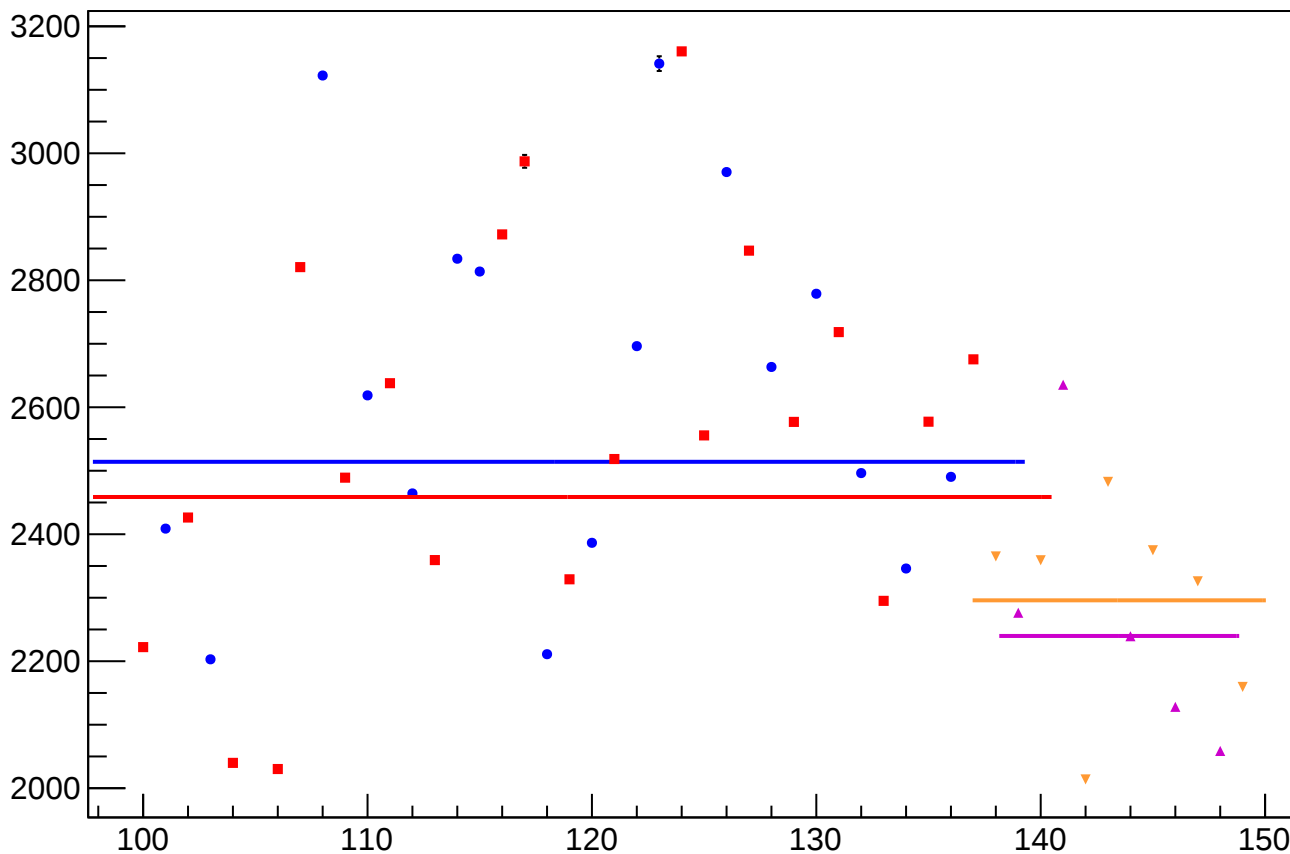
Left In: -19.254 $\pm$ 1.137 χ^2/NDF : 11.8/4

9.857 $\pm$ 0.709 χ^2/NDF : 1229.8/23

8.121 $\pm$ 0.504 χ^2/NDF : 2653.9/48

6.342 $\pm$ 0.718 χ^2/NDF : 1411.9/24

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

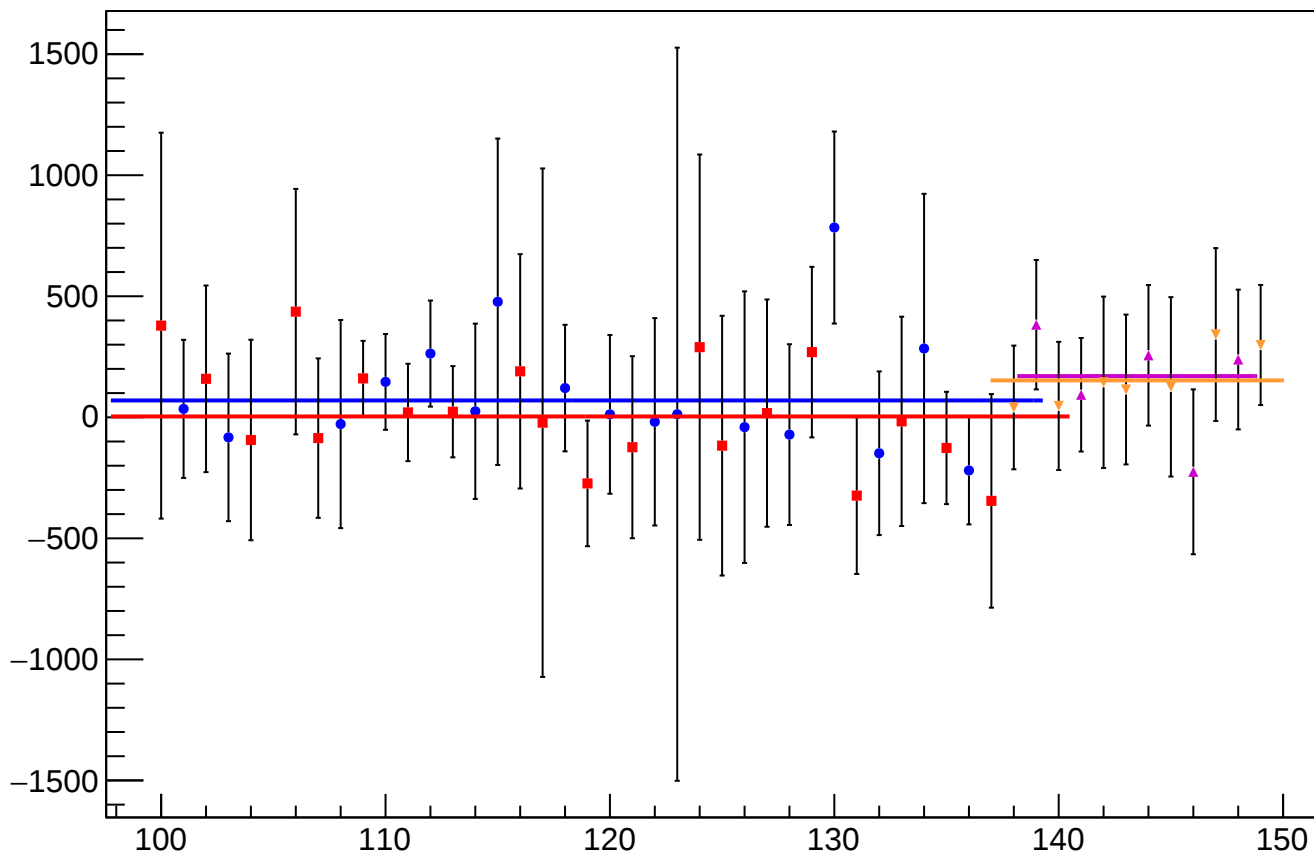
Left In: 2239.789 $\pm$ 0.804 χ^2/NDF : 53444.5/4

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

2391.625 $\pm$ 0.357 χ^2/NDF : 456803.3/48

2371.501 $\pm$ 0.507 χ^2/NDF : 250490.3/24

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

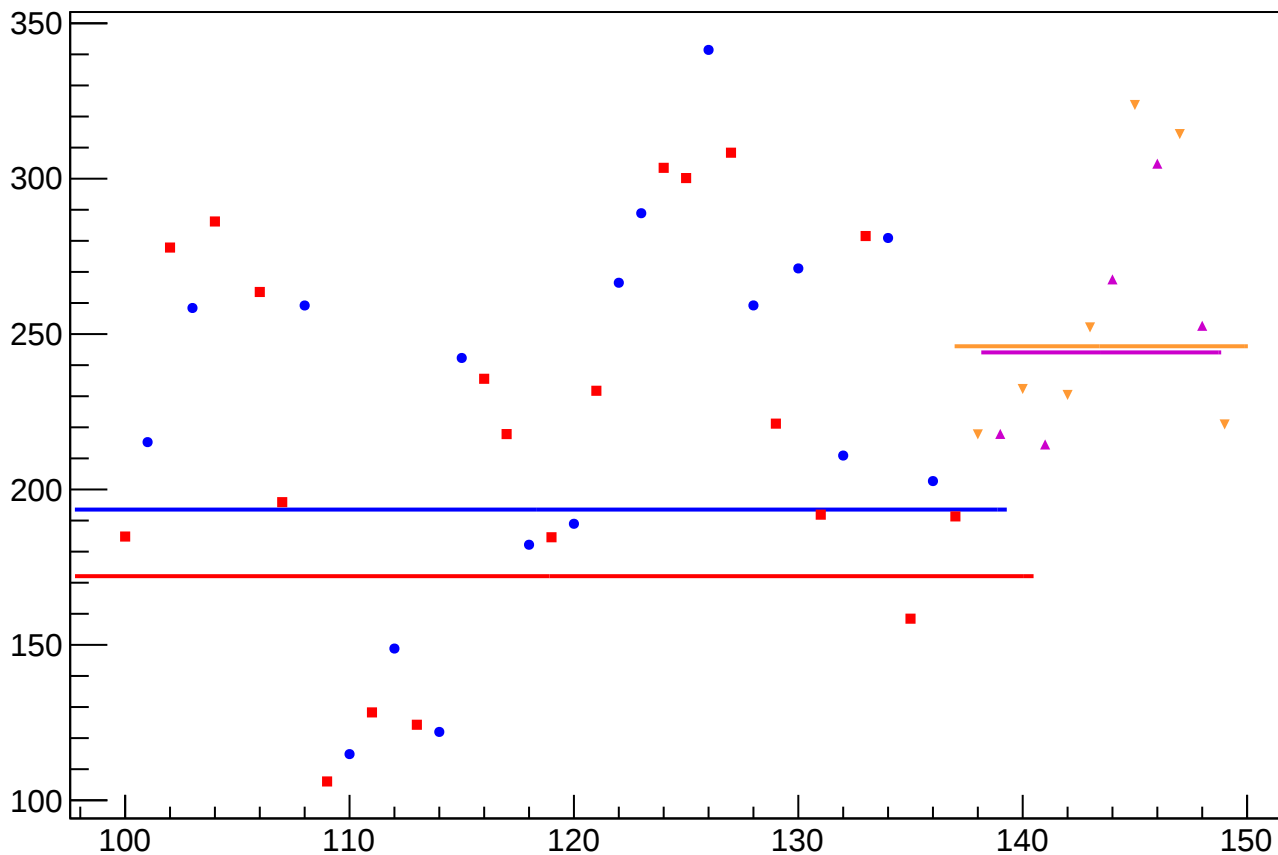
Left In: 170.218 $\pm$ 124.354 χ^2 /NDF: 2.2/4

97.026 $\pm$ 64.613 χ^2 /NDF: 8.7/23

68.633 $\pm$ 44.311 χ^2 /NDF: 19.1/48

43.424 $\pm$ 60.884 χ^2 /NDF: 10.0/24

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.533 +/- 0.056 χ^2/NDF : 1010428.2/16

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

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

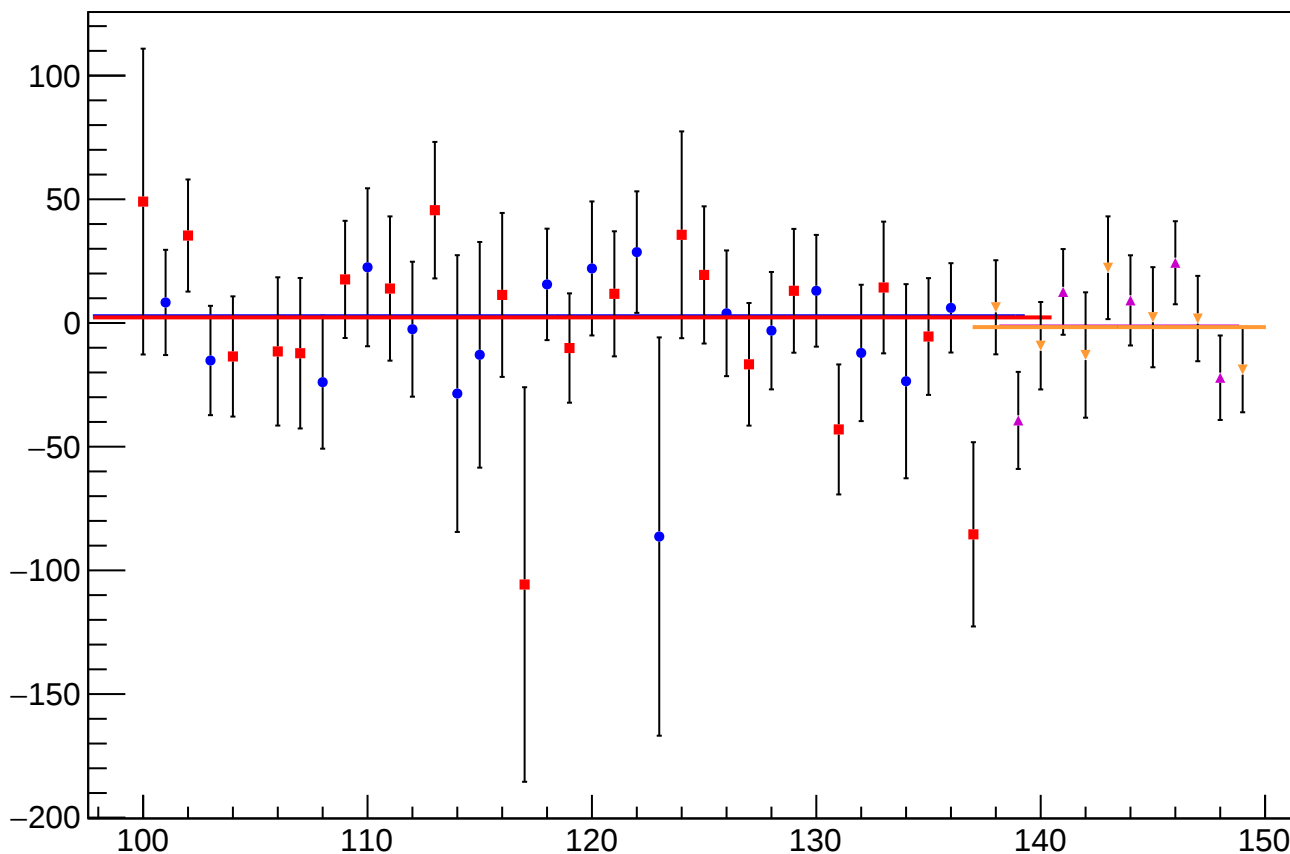
Left In: 244.101 +/- 0.088 χ^2/NDF : 129626.8/4

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

199.515 +/- 0.031 χ^2/NDF : 3858015.2/48

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

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.733 $\pm$ 6.424 χ^2 /NDF: 6.8/16

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

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

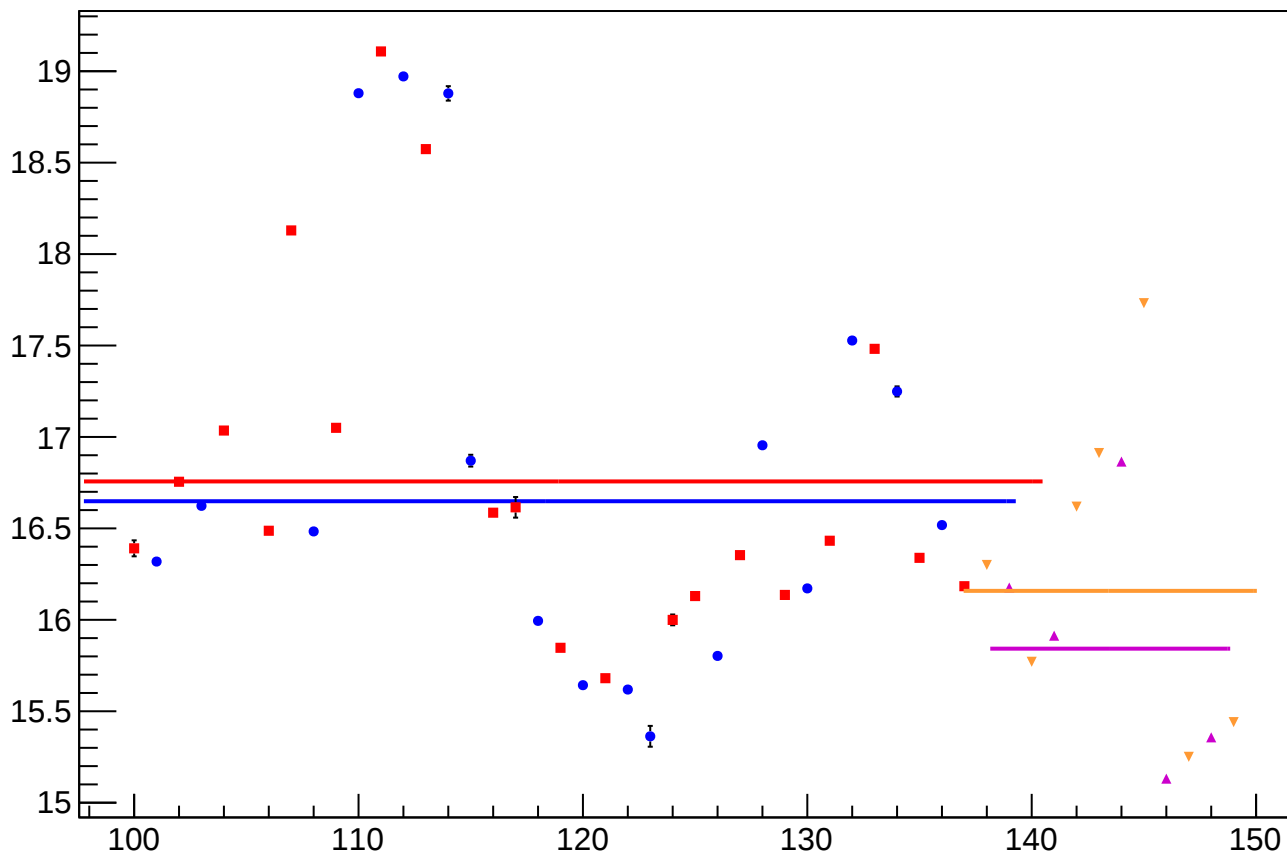
Left In: -1.407 $\pm$ 7.927 χ^2 /NDF: 8.6/4

0.799 $\pm$ 4.810 χ^2 /NDF: 9.9/23

0.824 $\pm$ 3.437 χ^2 /NDF: 38.2/48

0.851 $\pm$ 4.912 χ^2 /NDF: 28.3/24

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

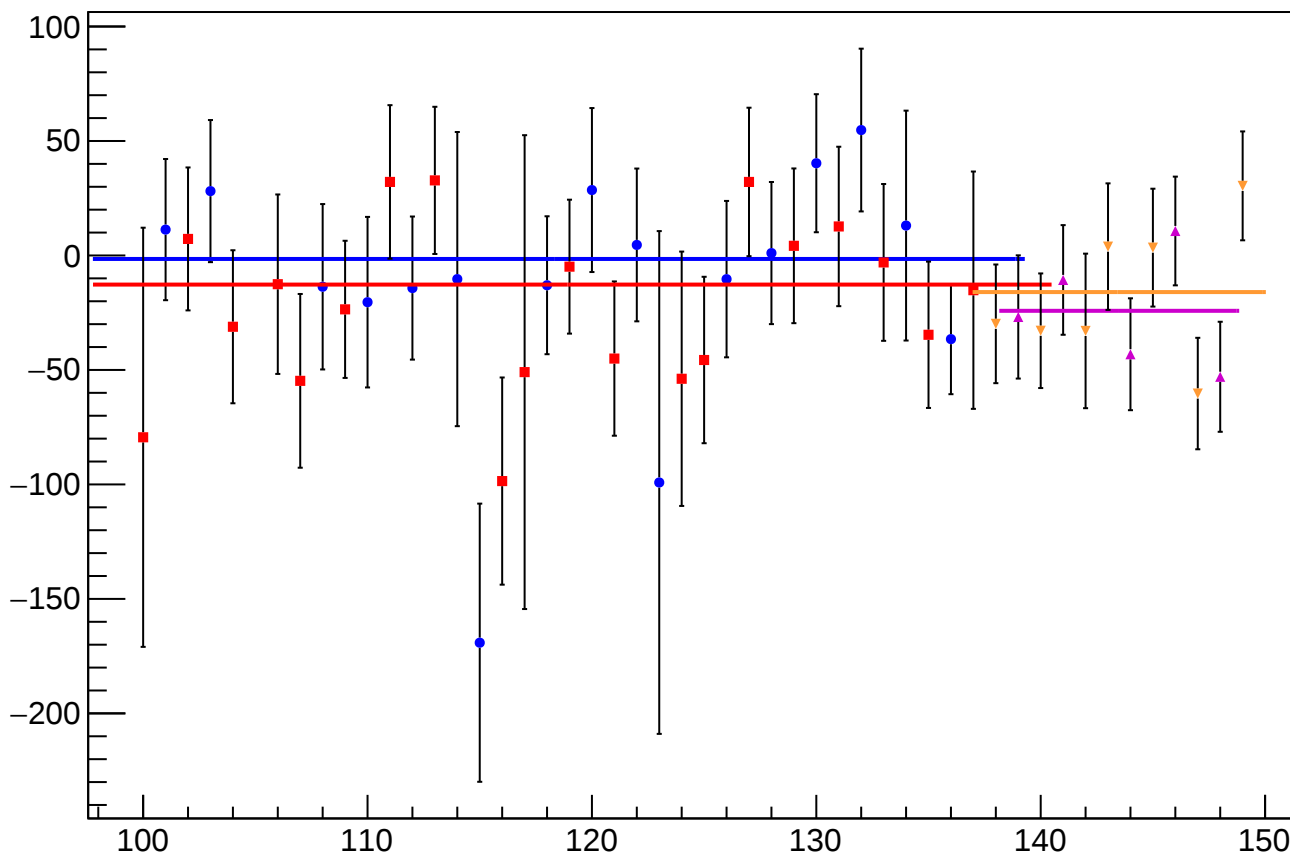
Left In: 15.842 $\pm$ 0.006 χ^2/NDF : 12110.1/4

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

16.420 $\pm$ 0.002 χ^2/NDF : 141630.9/48

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

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

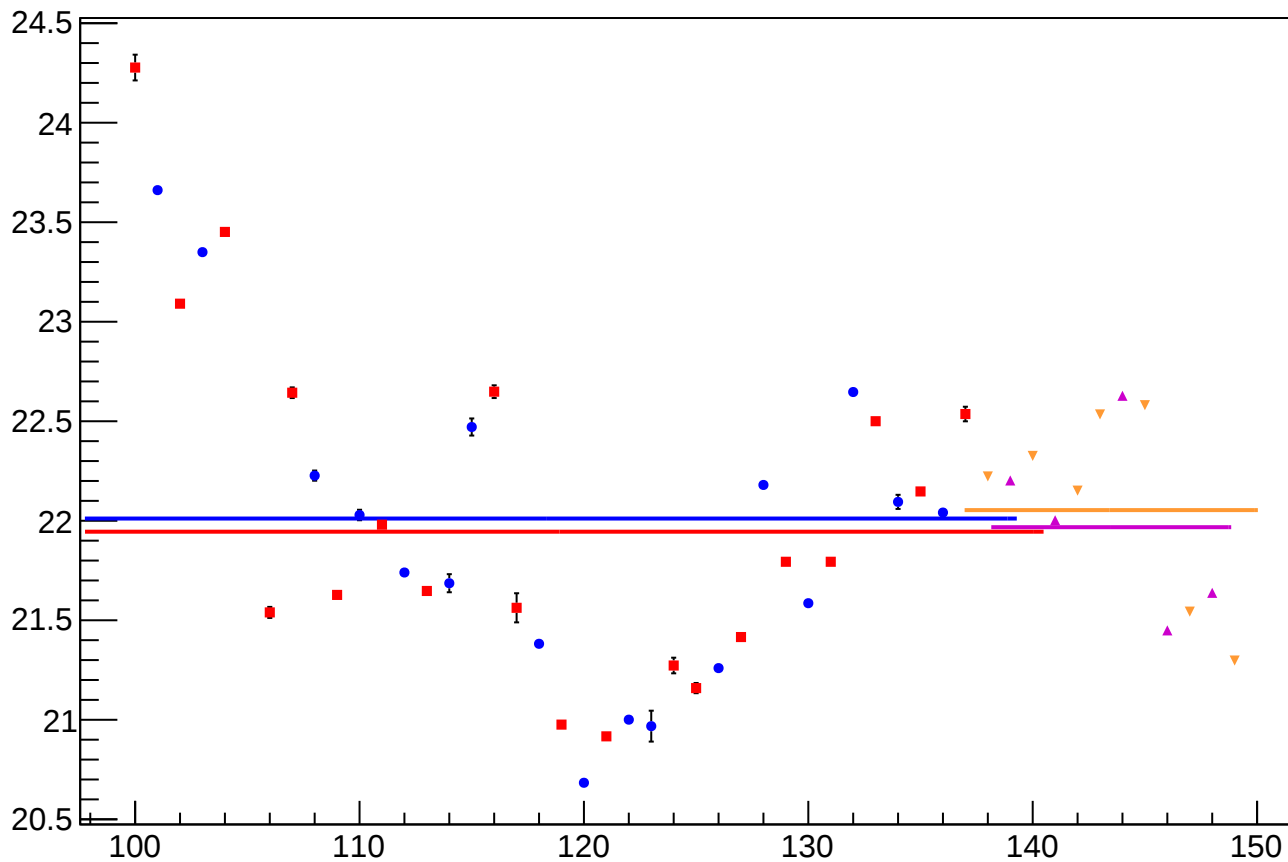
Left In: -24.175 ± 10.972 χ^2/NDF : 4.5/4

-7.661 ± 6.438 χ^2/NDF : 28.1/23

-12.150 ± 4.595 χ^2/NDF : 50.0/48

-16.812 ± 6.561 χ^2/NDF : 21.0/24

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

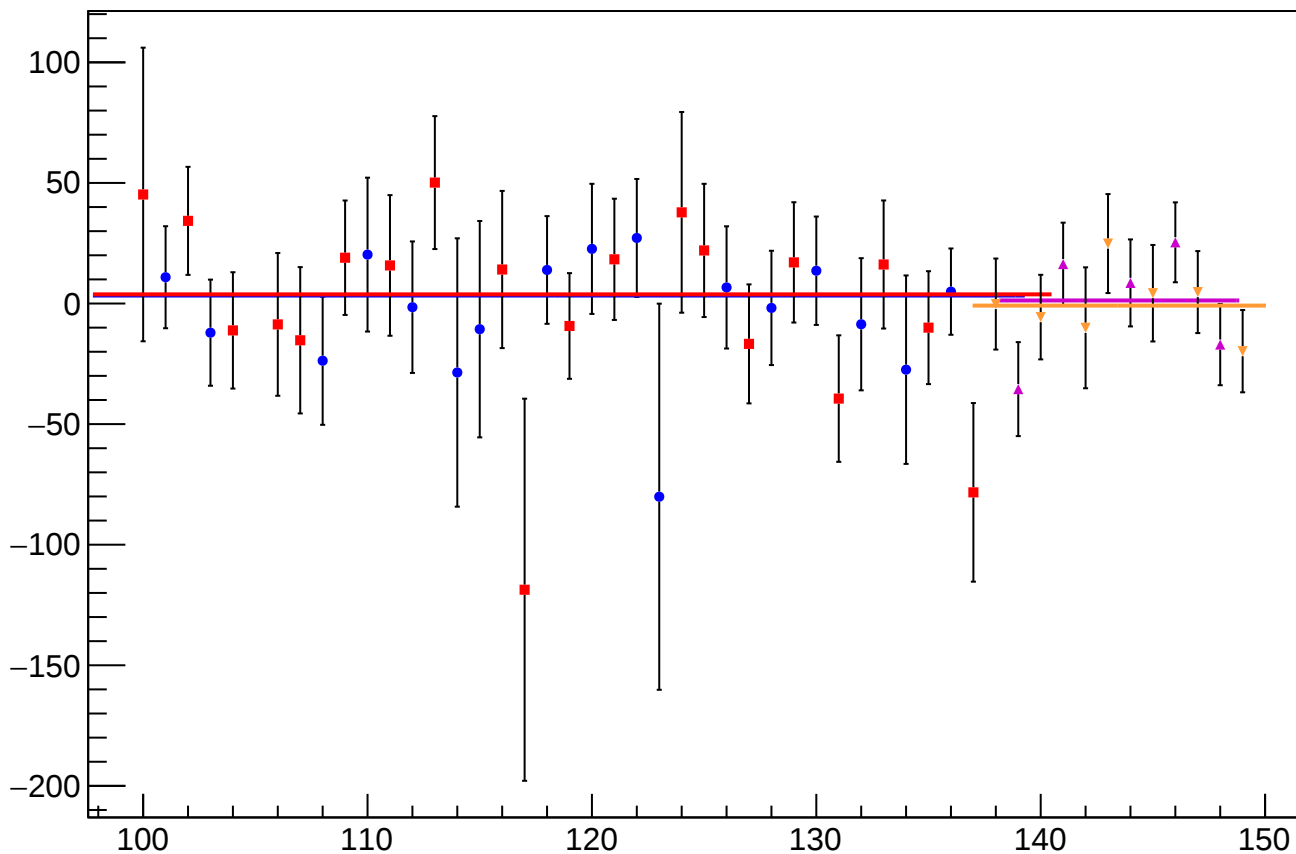
Left In: 21.968 ± 0.008 χ^2/NDF : 2947.5/4

22.029 ± 0.005 χ^2/NDF : 22250.0/23

21.992 ± 0.003 χ^2/NDF : 41959.9/48

21.953 ± 0.005 χ^2/NDF : 19573.2/24

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

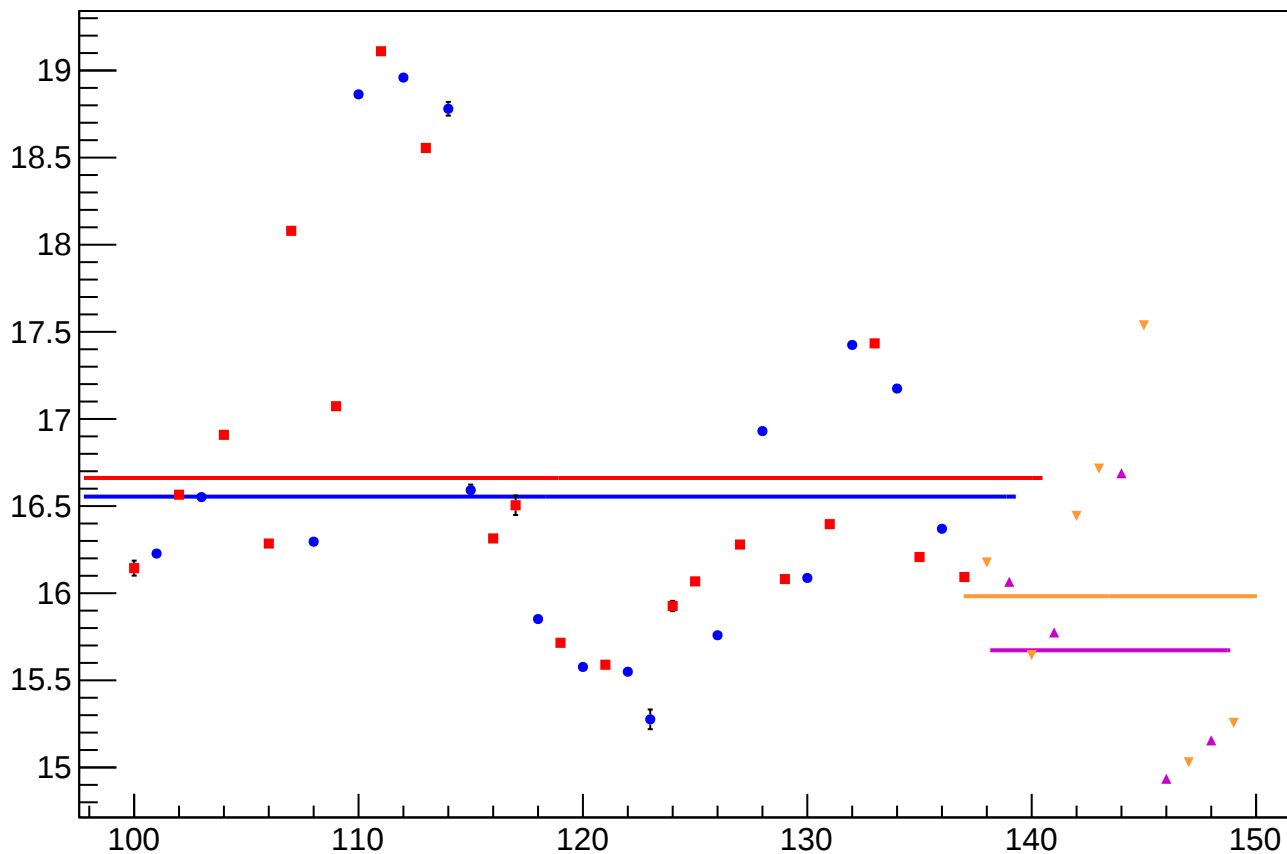
Left In: 1.270 $\pm$ 7.842 χ^2 /NDF:7.8/4

1.468 $\pm$ 4.772 χ^2 /NDF: 9.6/23

2.131 $\pm$ 3.410 χ^2 /NDF: 37.7/48

2.822 $\pm$ 4.875 χ^2 /NDF: 28.0/24

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

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

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

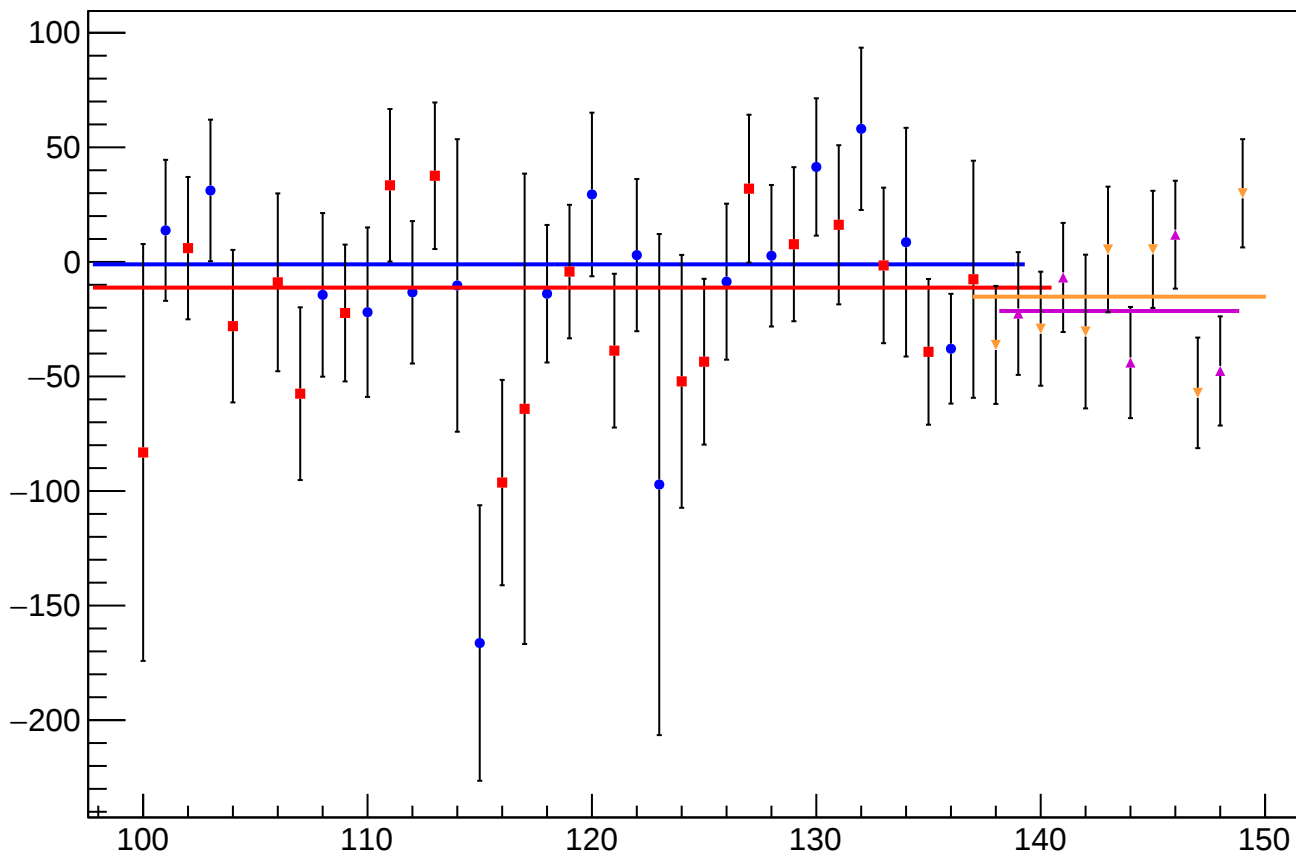
Left In: 15.672 $\pm$ 0.006 χ^2 /NDF: 13076.6/4

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

16.291 $\pm$ 0.002 χ^2 /NDF: 153395.8/48

16.279 $\pm$ 0.003 χ^2 /NDF: 75658.4/24

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: -15.185 ± 9.815 χ^2/NDF : 9.1/6

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

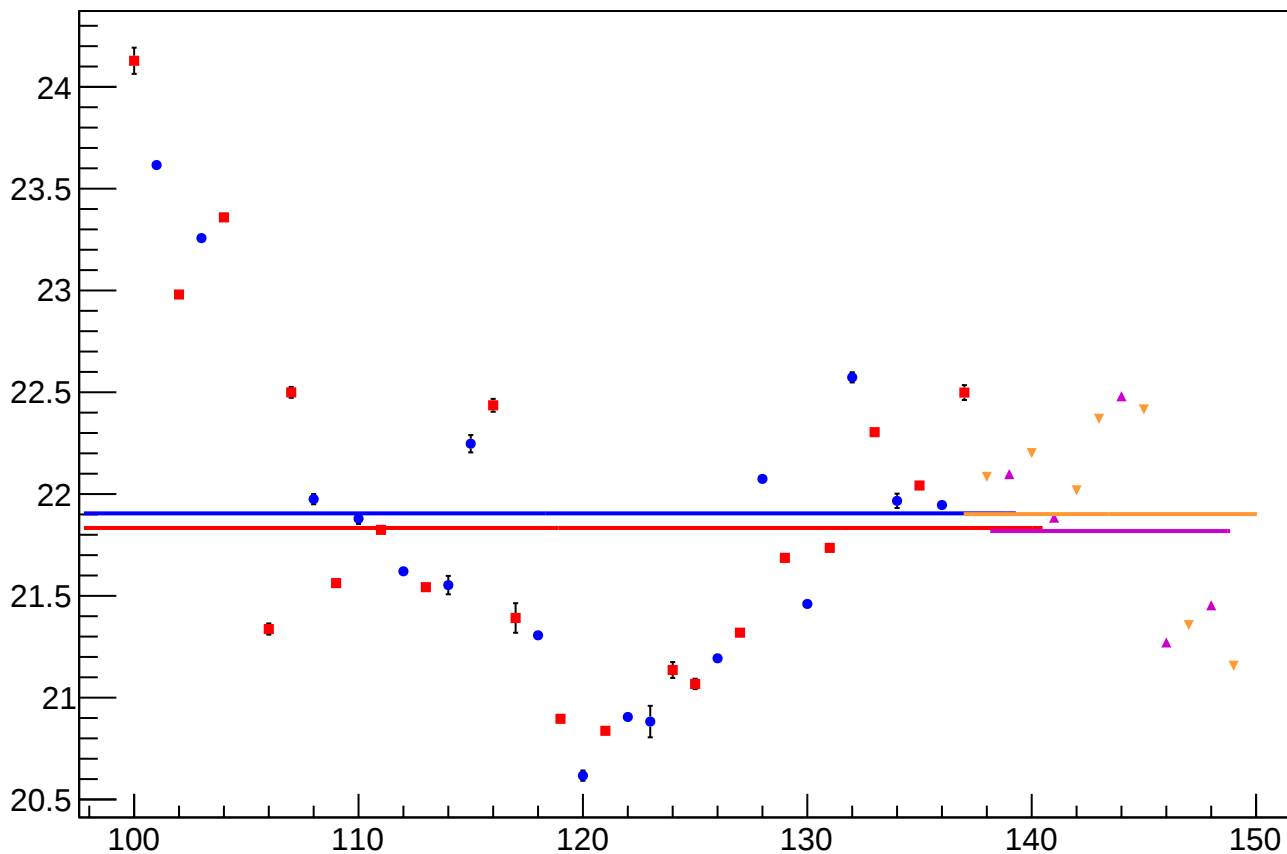
Left In: -21.424 ± 10.898 χ^2/NDF : 4.4/4

-7.073 ± 6.401 χ^2/NDF : 28.7/23

-10.906 ± 4.569 χ^2/NDF : 51.0/48

-14.886 ± 6.523 χ^2/NDF : 21.5/24

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

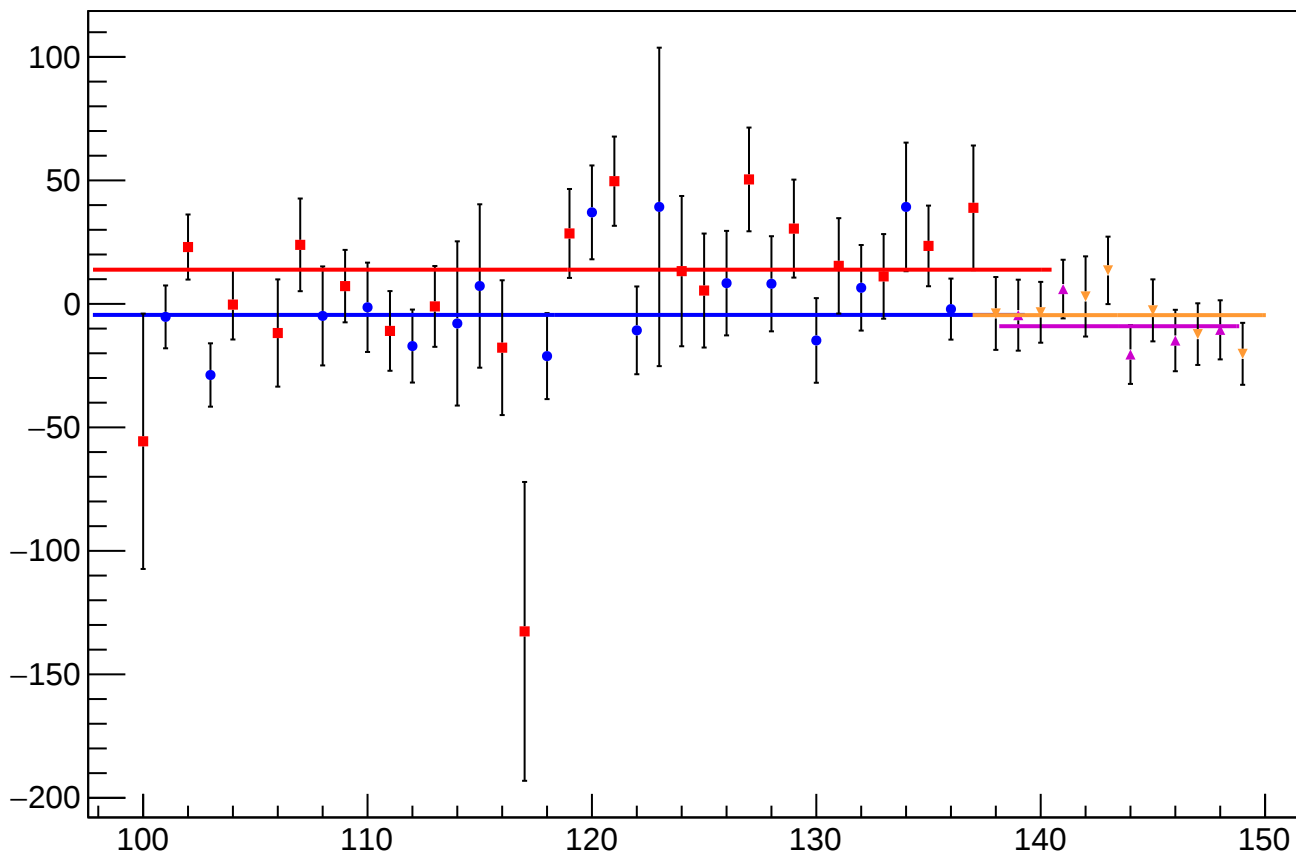
Left In: 21.818+/-0.008 χ^2/NDF : 3270.5/4

21.904+/-0.005 χ^2/NDF : 22611.5/23

21.867+/-0.003 χ^2/NDF : 42309.9/48

21.828+/-0.005 χ^2/NDF : 19561.5/24

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

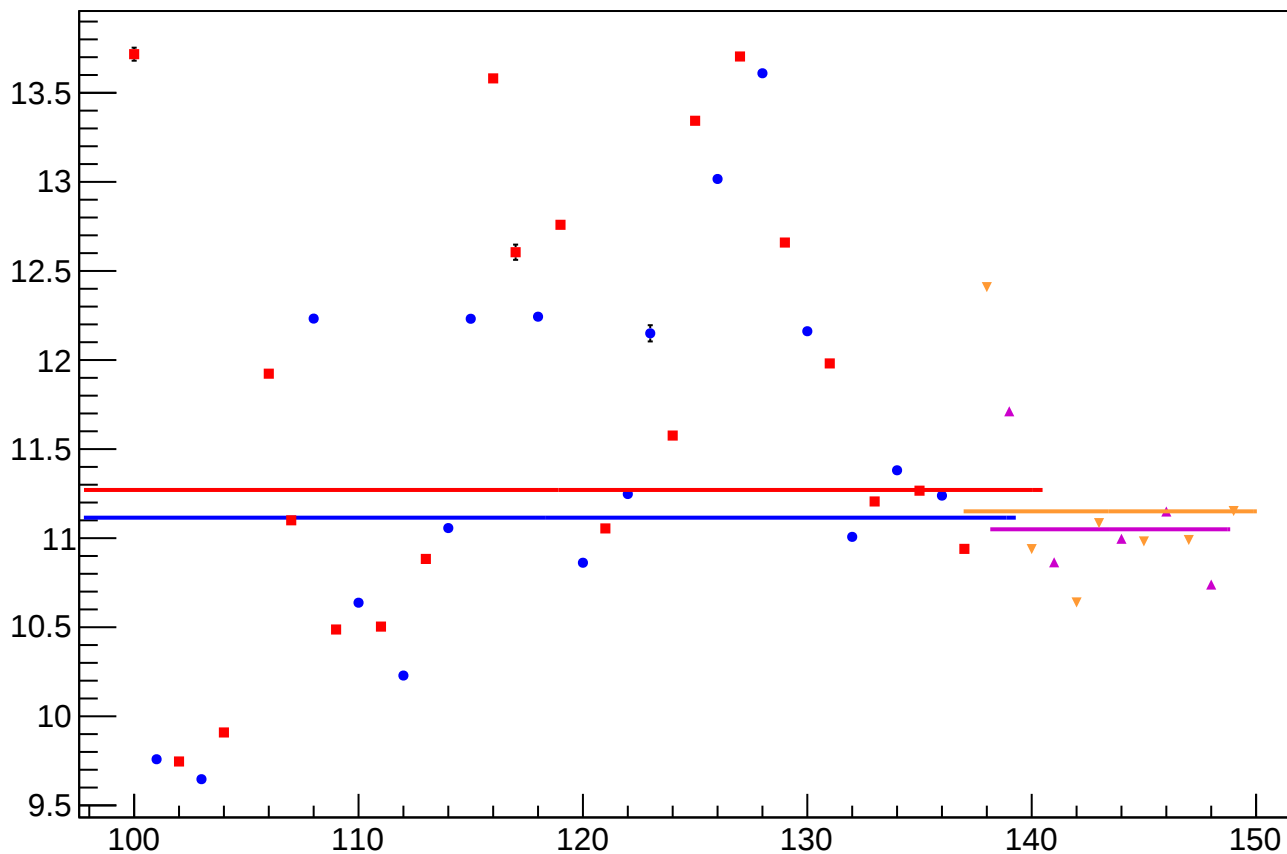
Left In: -9.038 ± 5.553 χ^2/NDF : 2.9/4

-4.500 ± 3.282 χ^2/NDF : 19.1/23

0.303 ± 2.353 χ^2/NDF : 62.5/48

5.387 ± 3.377 χ^2/NDF : 39.0/24

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

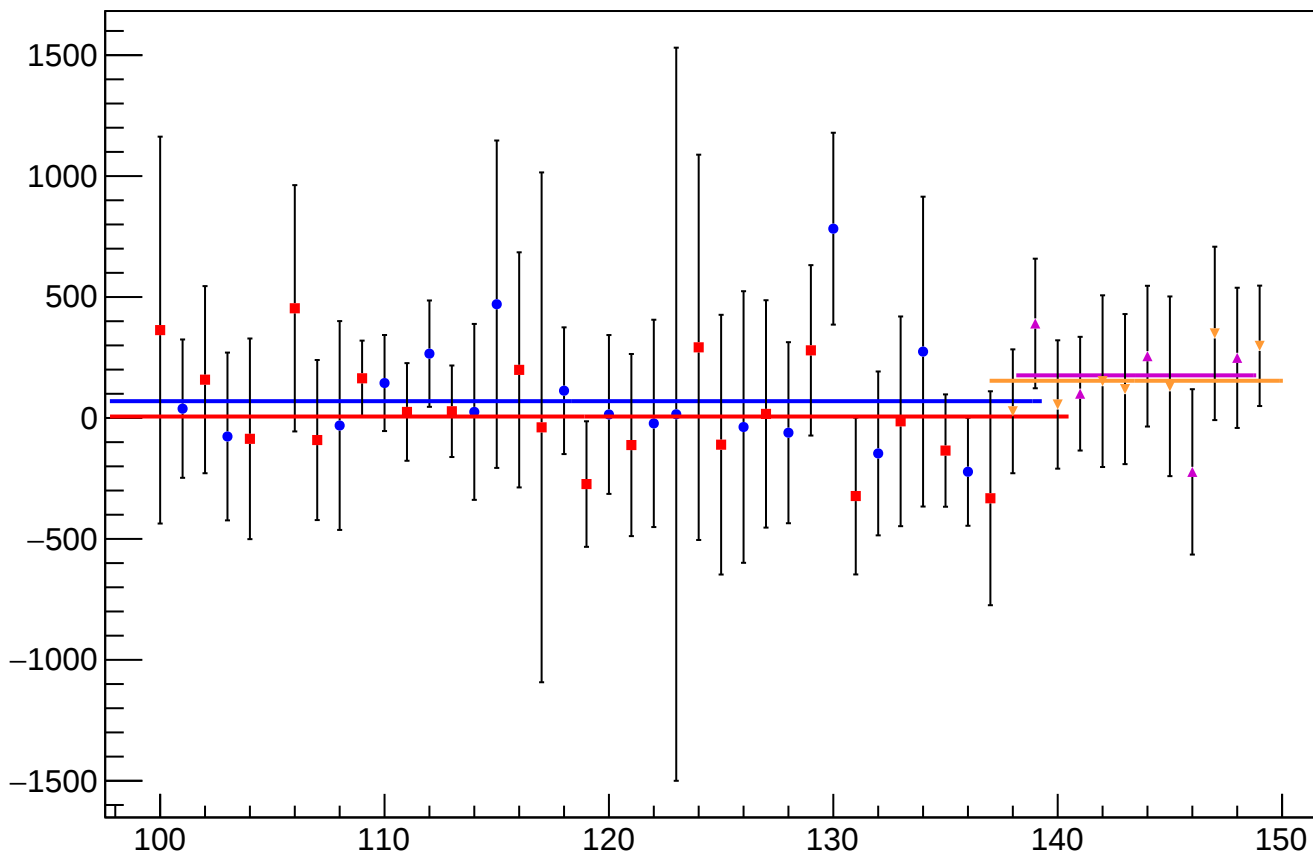
Left In: 11.050 $\pm$ 0.004 χ^2 /NDF:6250.3/4

11.130 $\pm$ 0.002 χ^2 /NDF: 150998.2/23

11.159 $\pm$ 0.002 χ^2 /NDF: 308015.4/48

11.189 $\pm$ 0.002 χ^2 /NDF: 156705.7/24

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 153.848 $\pm$ 112.541 χ^2 /NDF: 1.0/6

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

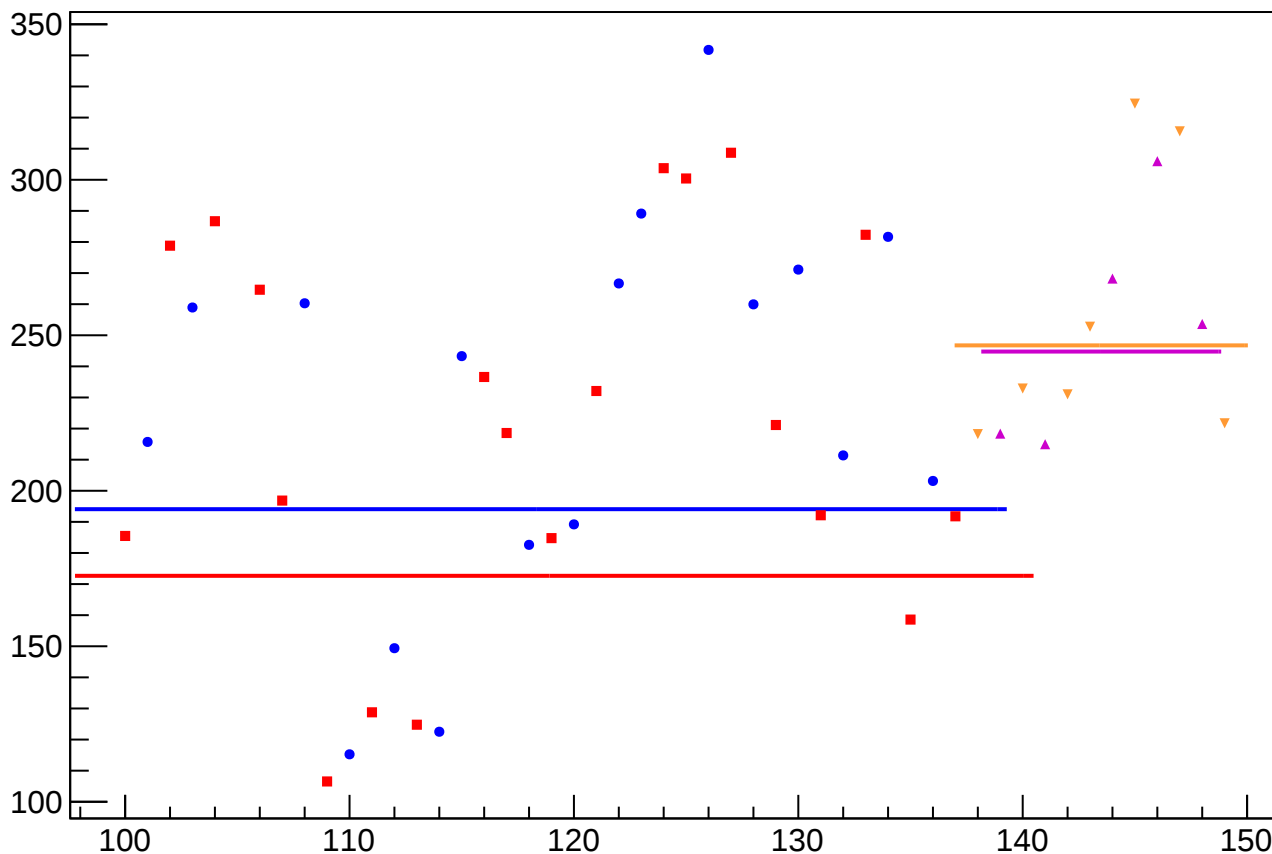
Left In: 176.206 $\pm$ 124.700 χ^2 /NDF: 2.2/4

97.432 $\pm$ 64.786 χ^2 /NDF: 8.7/23

70.620 $\pm$ 44.434 χ^2 /NDF: 19.1/48

46.804 $\pm$ 61.058 χ^2 /NDF: 10.2/24

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

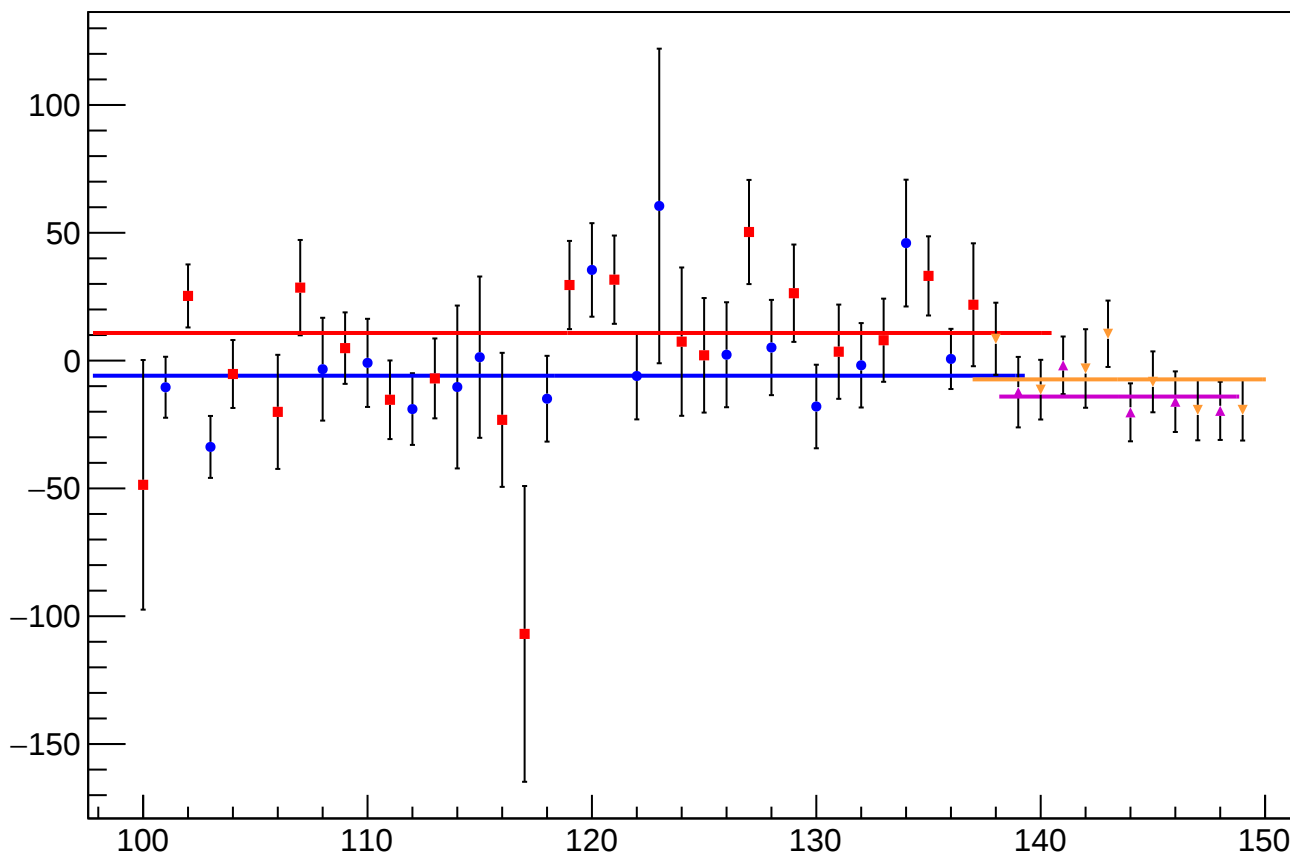
Left In: 244.764 $\pm$ 0.088 χ^2/NDF :130565.2/4

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

200.101 $\pm$ 0.031 χ^2/NDF : 3844834.5/48

189.943 $\pm$ 0.043 χ^2/NDF : 2212268.1/24

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.912 ± 4.133 $\chi^2/\text{NDF}: 18.8/16$

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

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

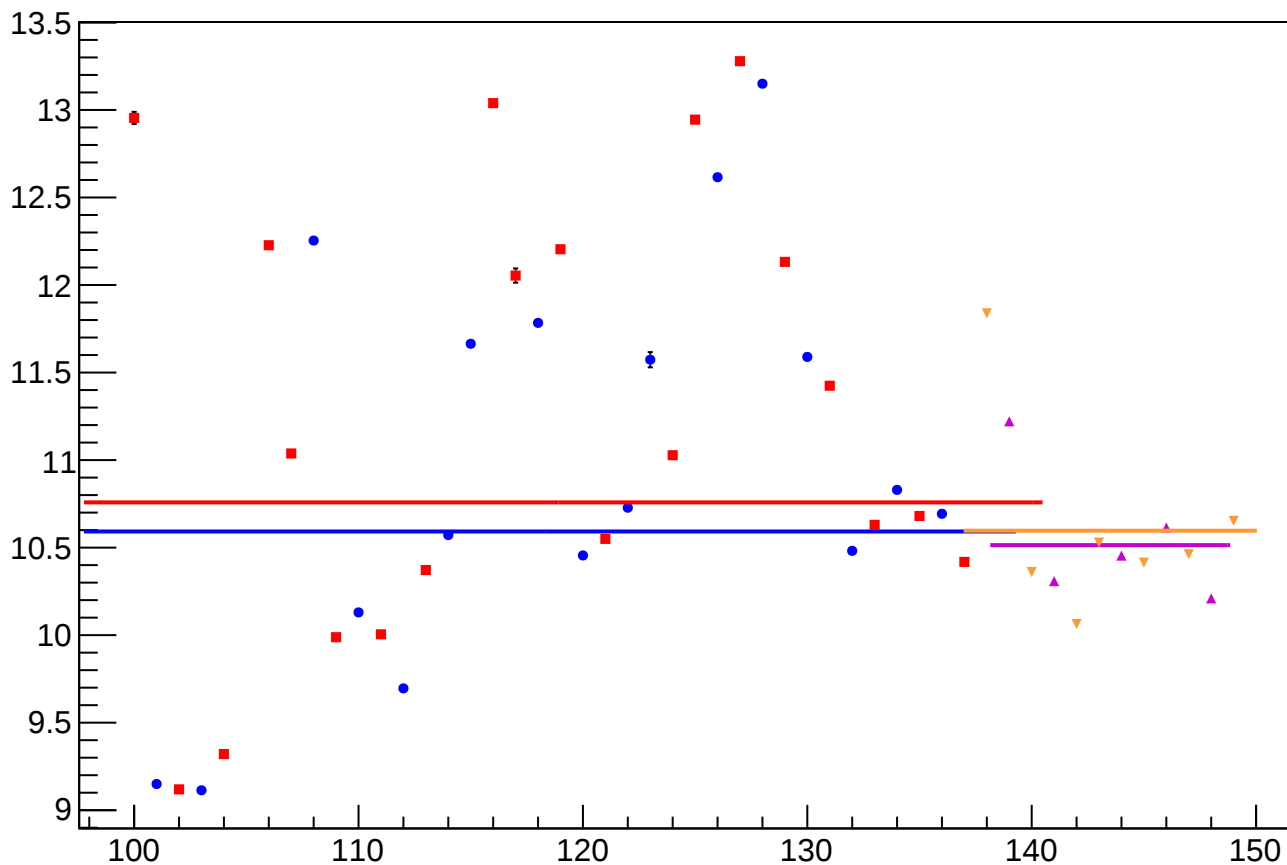
Left In: -14.070 ± 5.289 $\chi^2/\text{NDF}: 1.8/4$

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

-2.604 ± 2.246 $\chi^2/\text{NDF}: 70.2/48$

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

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

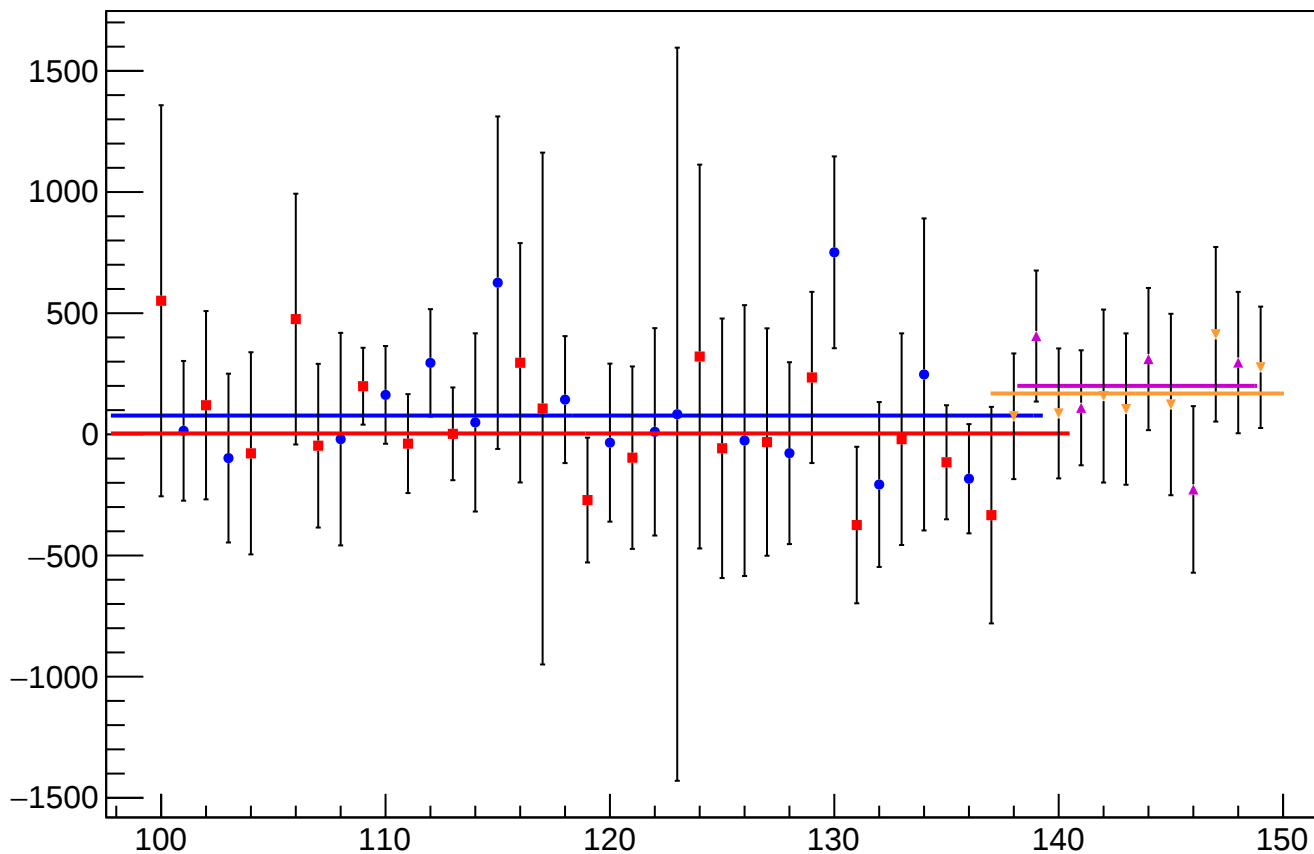
Left In: 10.514 $\pm$ 0.004 χ^2 /NDF: 7555.2/4

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

10.630 $\pm$ 0.002 χ^2 /NDF: 368598.6/48

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

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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

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

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

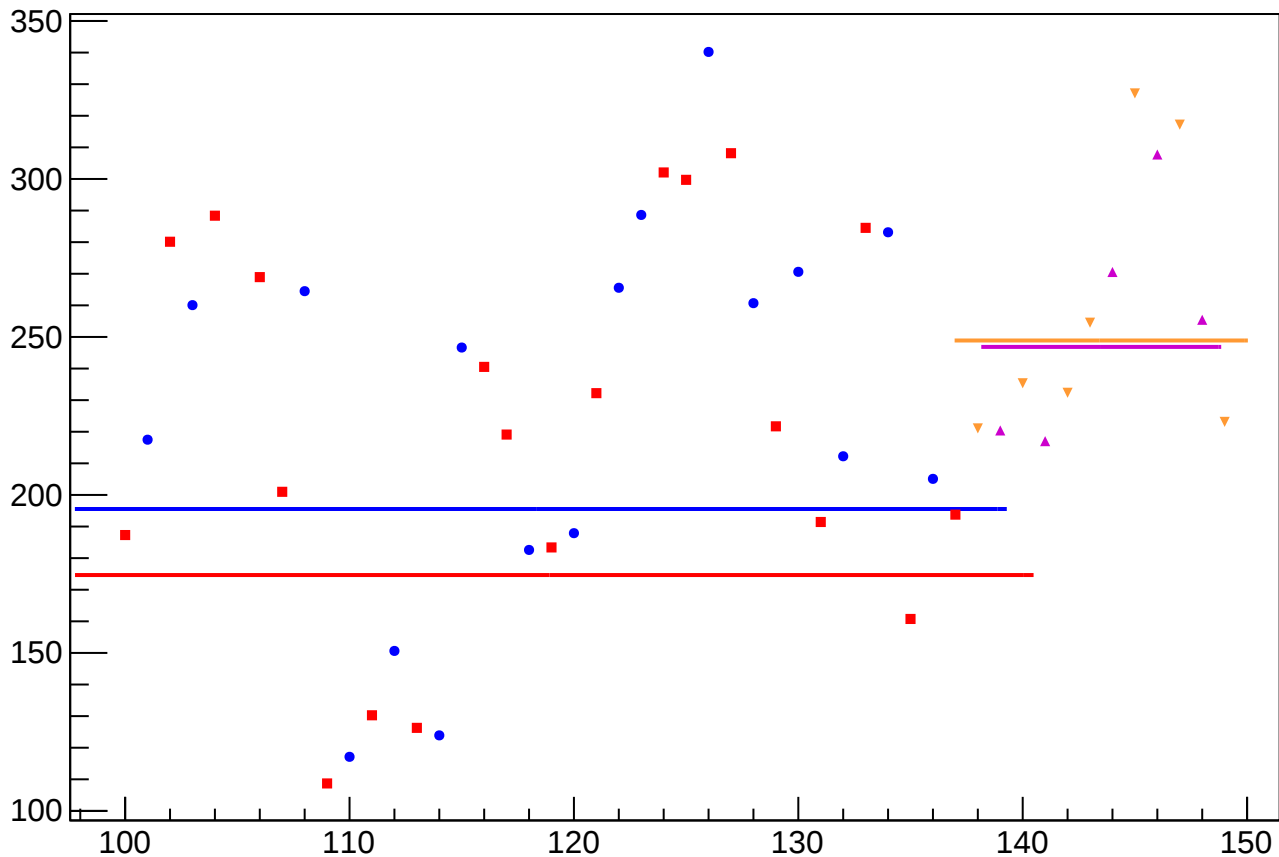
Left In: 200.157 $\pm$ 125.720 χ^2 /NDF:2.5/4

107.678 $\pm$ 65.249 χ^2 /NDF: 8.9/23

77.693 $\pm$ 44.801 χ^2 /NDF: 21.1/48

50.949 $\pm$ 61.621 χ^2 /NDF: 11.7/24

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

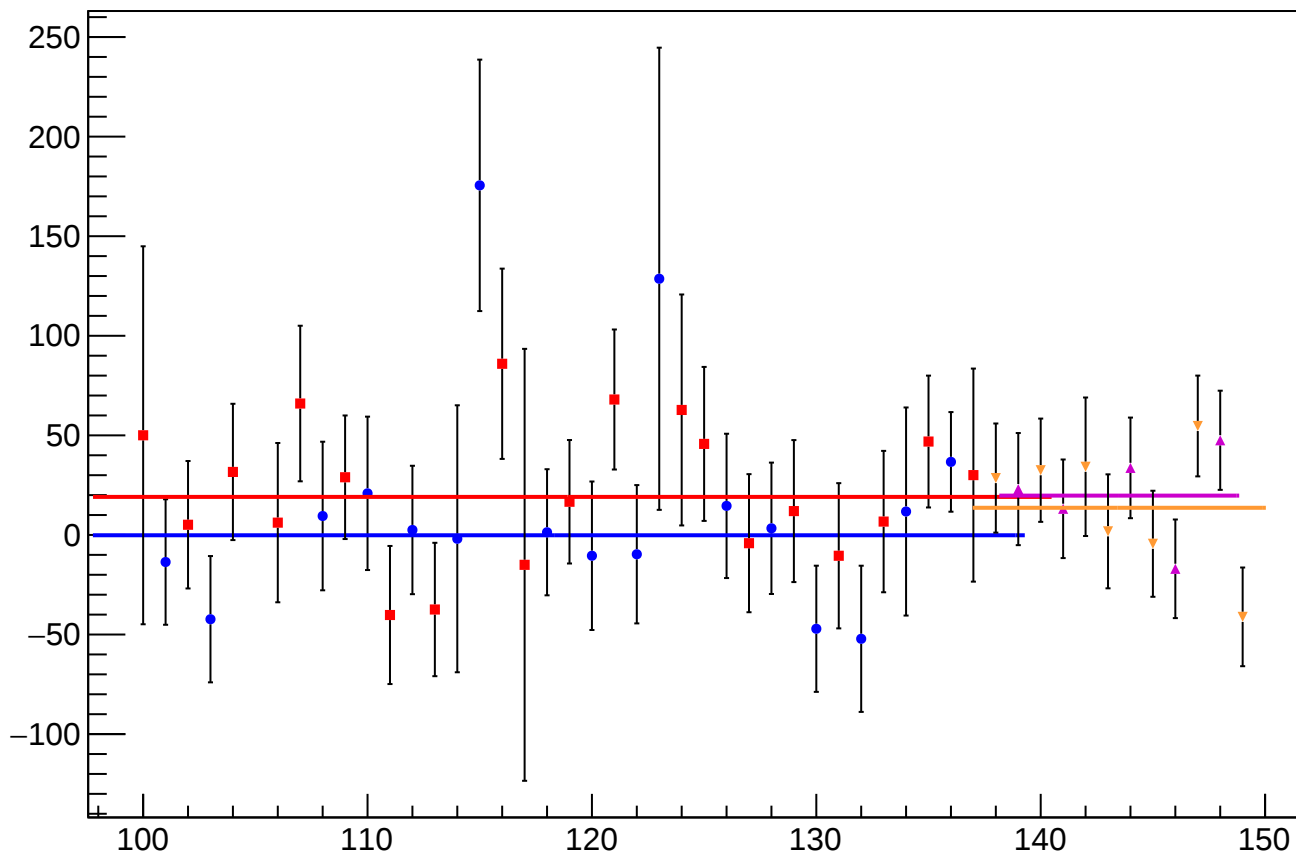
Left In: 246.851 $\pm$ 0.089 χ^2/NDF : 128294.8/4

213.182 $\pm$ 0.046 χ^2/NDF : 1488993.3/23

201.983 $\pm$ 0.032 χ^2/NDF : 3762099.9/48

191.995 $\pm$ 0.044 χ^2/NDF : 2161651.8/24

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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

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

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

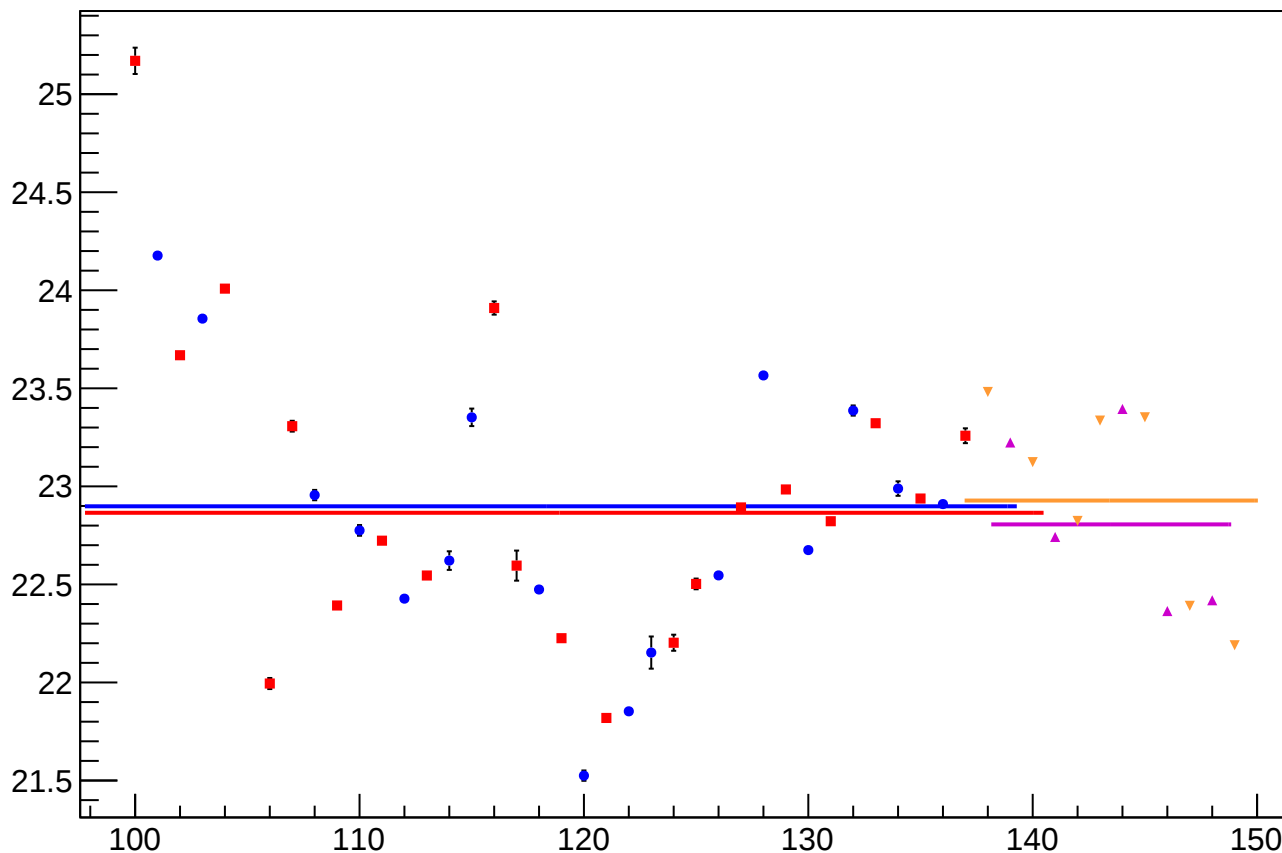
Left In: 19.750 ± 11.391 $\chi^2/\text{NDF}: 3.8/4$

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

12.386 ± 4.780 $\chi^2/\text{NDF}: 49.2/48$

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

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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

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

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

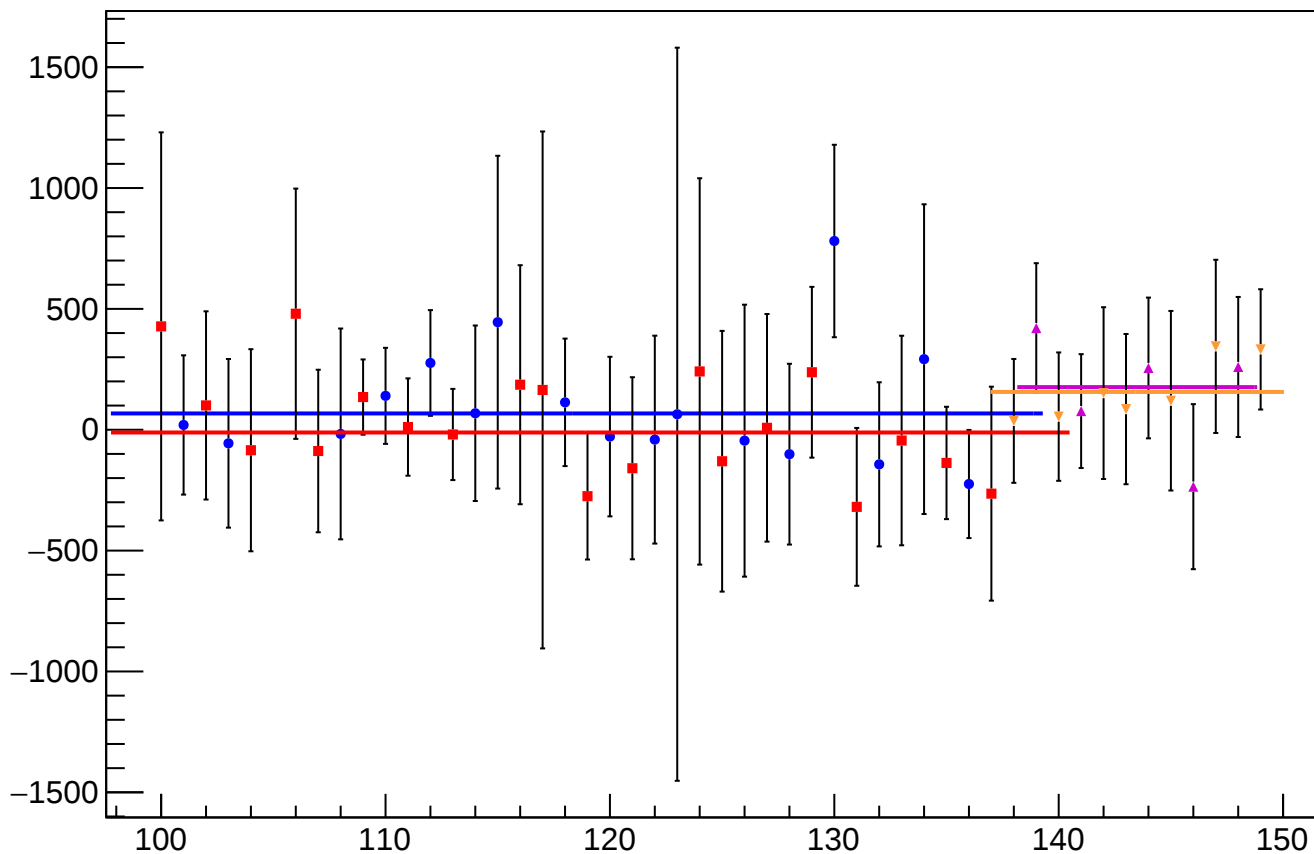
Left In: 22.806 $\pm$ 0.008 χ^2 /NDF: 2660.5/4

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

22.878 $\pm$ 0.003 χ^2 /NDF: 30544.3/48

22.844 $\pm$ 0.005 χ^2 /NDF: 13756.0/24

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

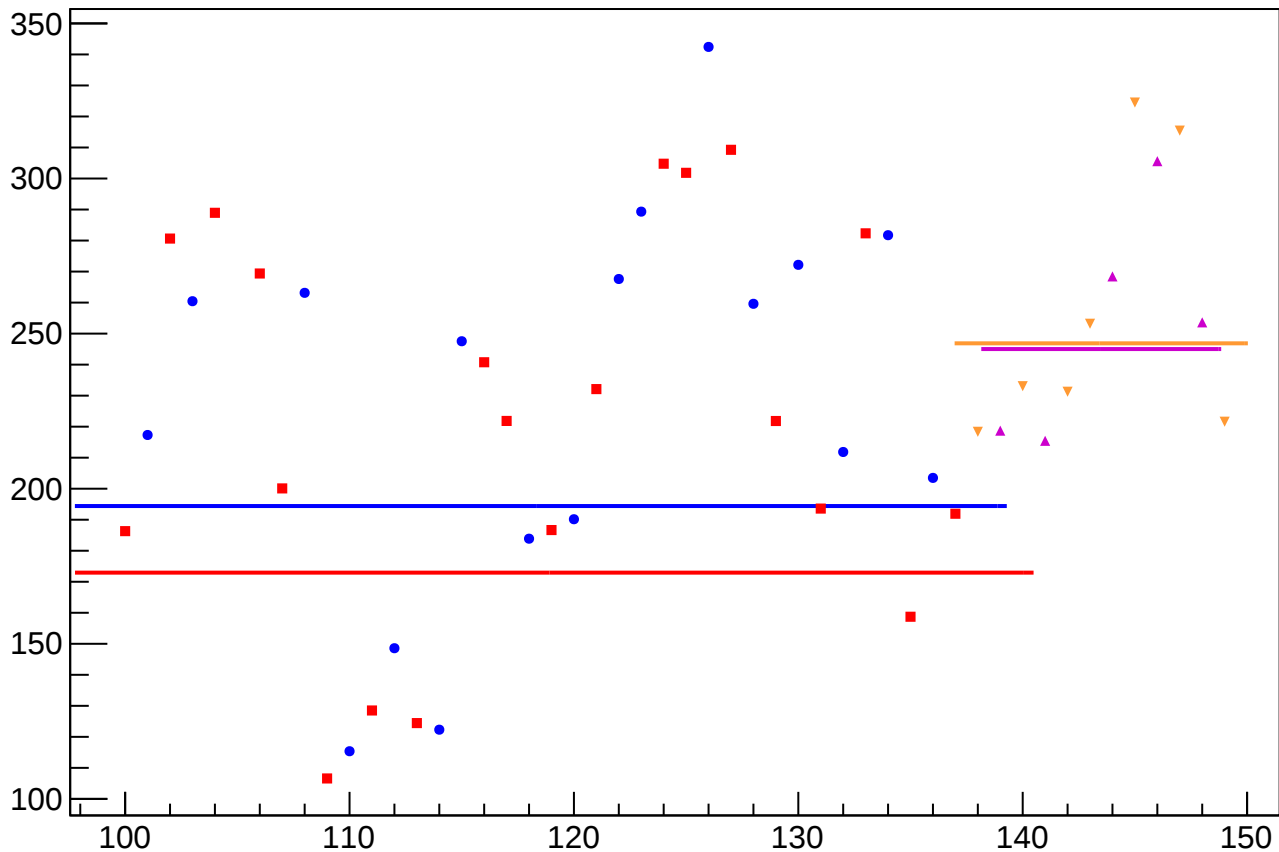
Left In: 176.350+/-124.808 χ^2/NDF : 2.6/4

97.004+/-64.890 χ^2/NDF : 9.0/23

63.526+/-44.518 χ^2/NDF : 19.6/48

33.760+/-61.188 χ^2/NDF : 10.1/24

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

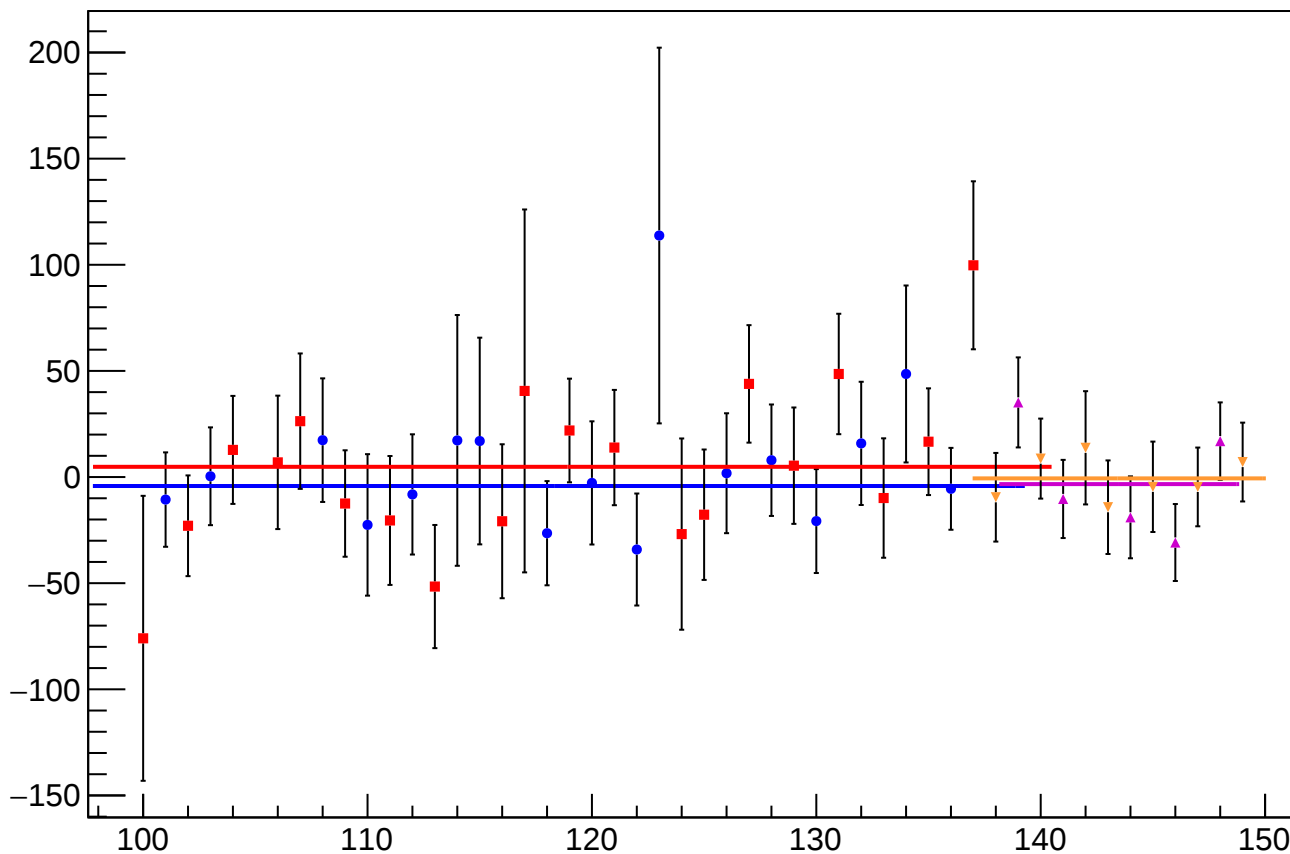
Left In: 245.020 $\pm$ 0.088 χ^2/NDF : 128433.9/4

211.835 $\pm$ 0.046 χ^2/NDF : 1526008.5/23

200.418 $\pm$ 0.031 χ^2/NDF : 3879095.2/48

190.266 $\pm$ 0.043 χ^2/NDF : 2236117.6/24

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

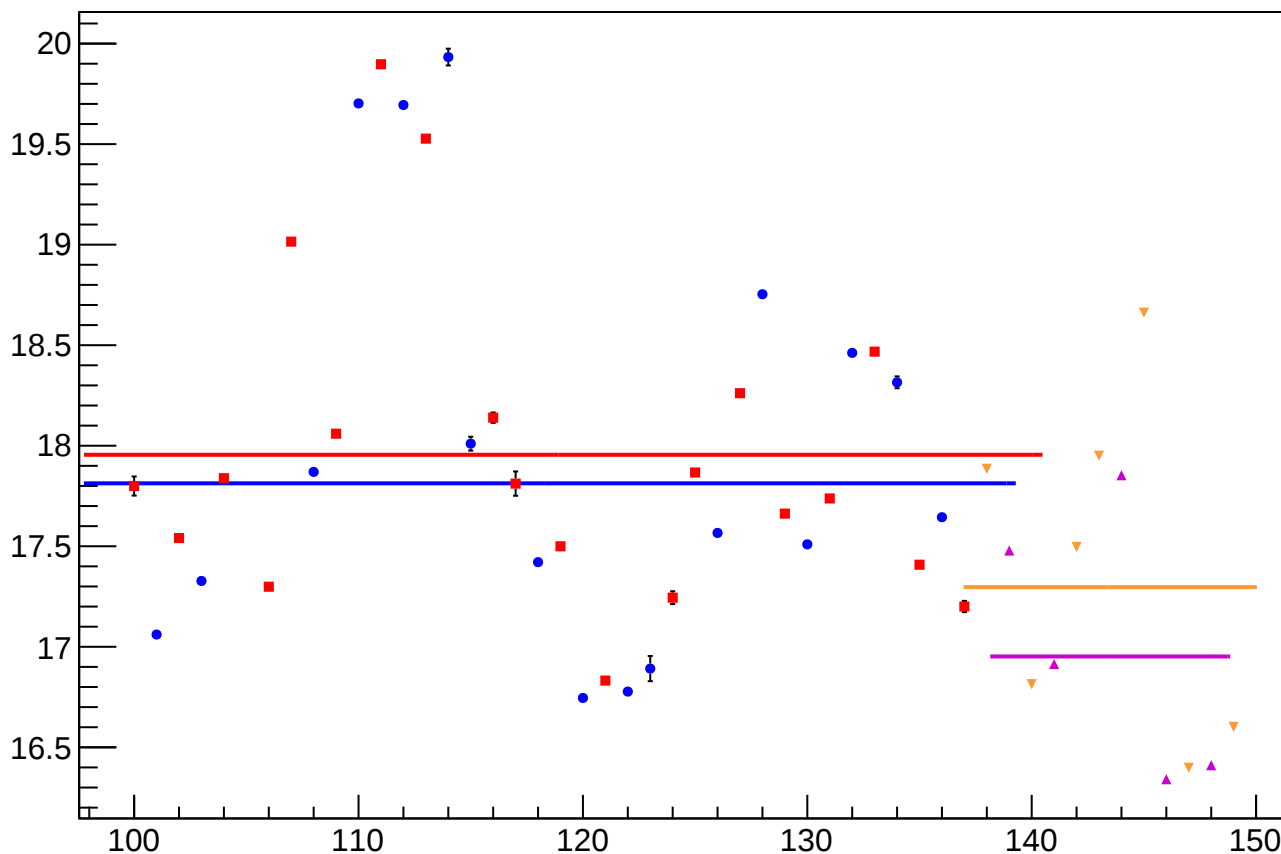
Left In: -3.327+/-8.480 χ^2/NDF : 7.6/4

-2.646+/-5.146 χ^2/NDF : 9.5/23

-0.527+/-3.678 χ^2/NDF : 39.3/48

1.687+/-5.259 χ^2/NDF : 29.5/24

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

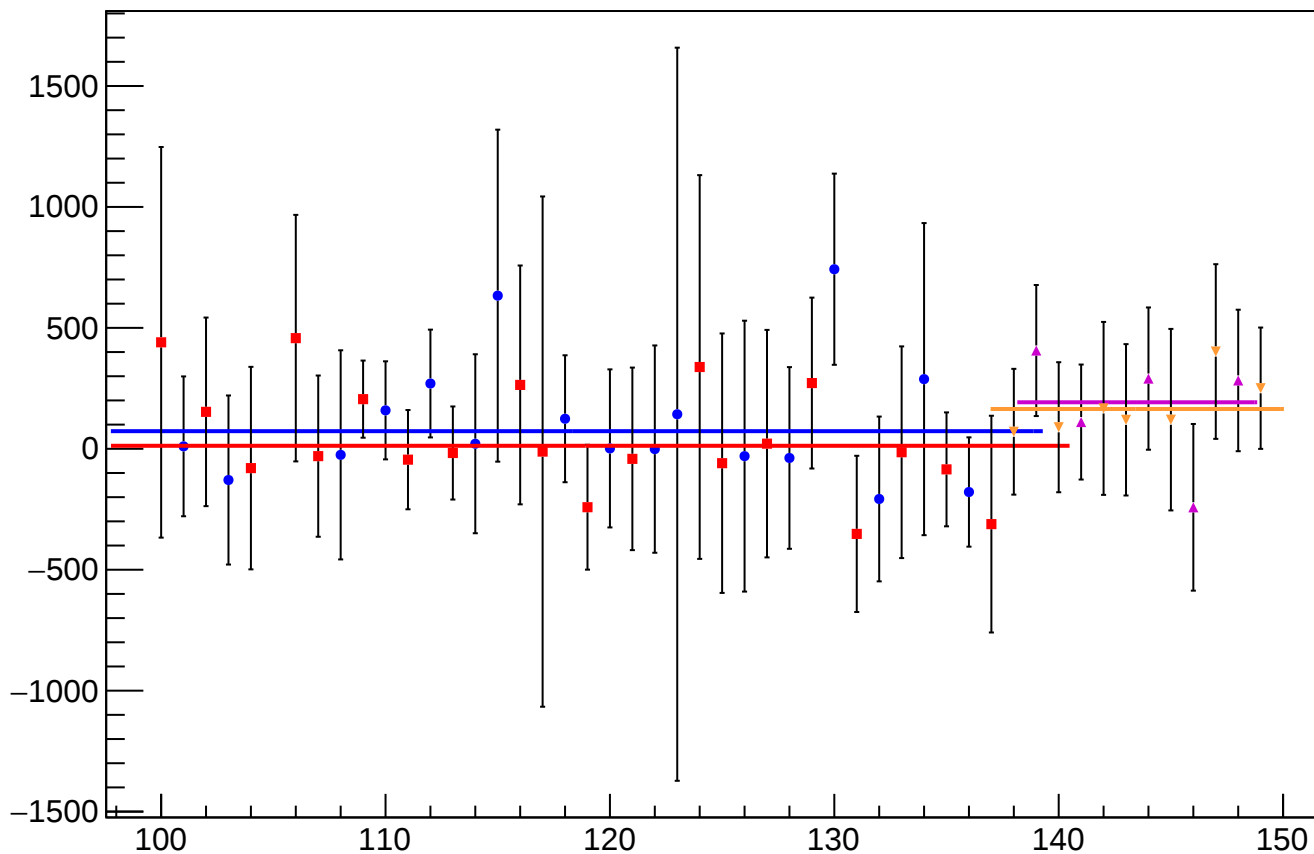
Left In: 16.952 $\pm$ 0.006 χ^2 /NDF: 9634.3/4

17.586 $\pm$ 0.004 χ^2 /NDF: 57481.0/23

17.578 $\pm$ 0.003 χ^2 /NDF: 109800.1/48

17.569 $\pm$ 0.004 χ^2 /NDF: 52308.4/24

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 72.888 $\pm$ 79.948 χ^2 /NDF: 7.2/16

Left Out: 164.612 $\pm$ 113.719 χ^2 /NDF:0.8/6

Right Out: 12.456 $\pm$ 70.853 χ^2 /NDF: 6.7/19

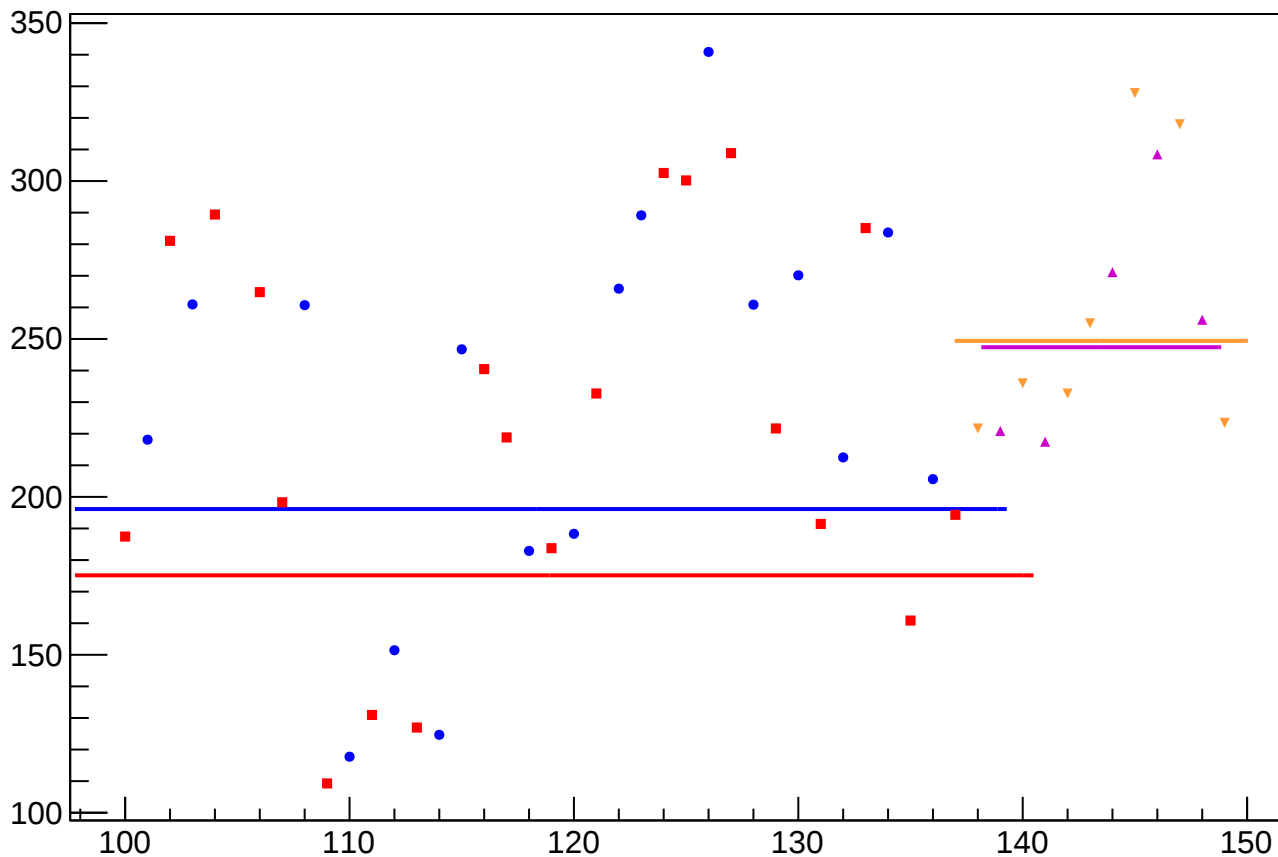
Left In: 192.314 $\pm$ 125.997 χ^2 /NDF:2.5/4

103.228 $\pm$ 65.403 χ^2 /NDF: 8.4/23

78.085 $\pm$ 44.903 χ^2 /NDF: 19.6/48

55.667 $\pm$ 61.758 χ^2 /NDF: 10.8/24

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

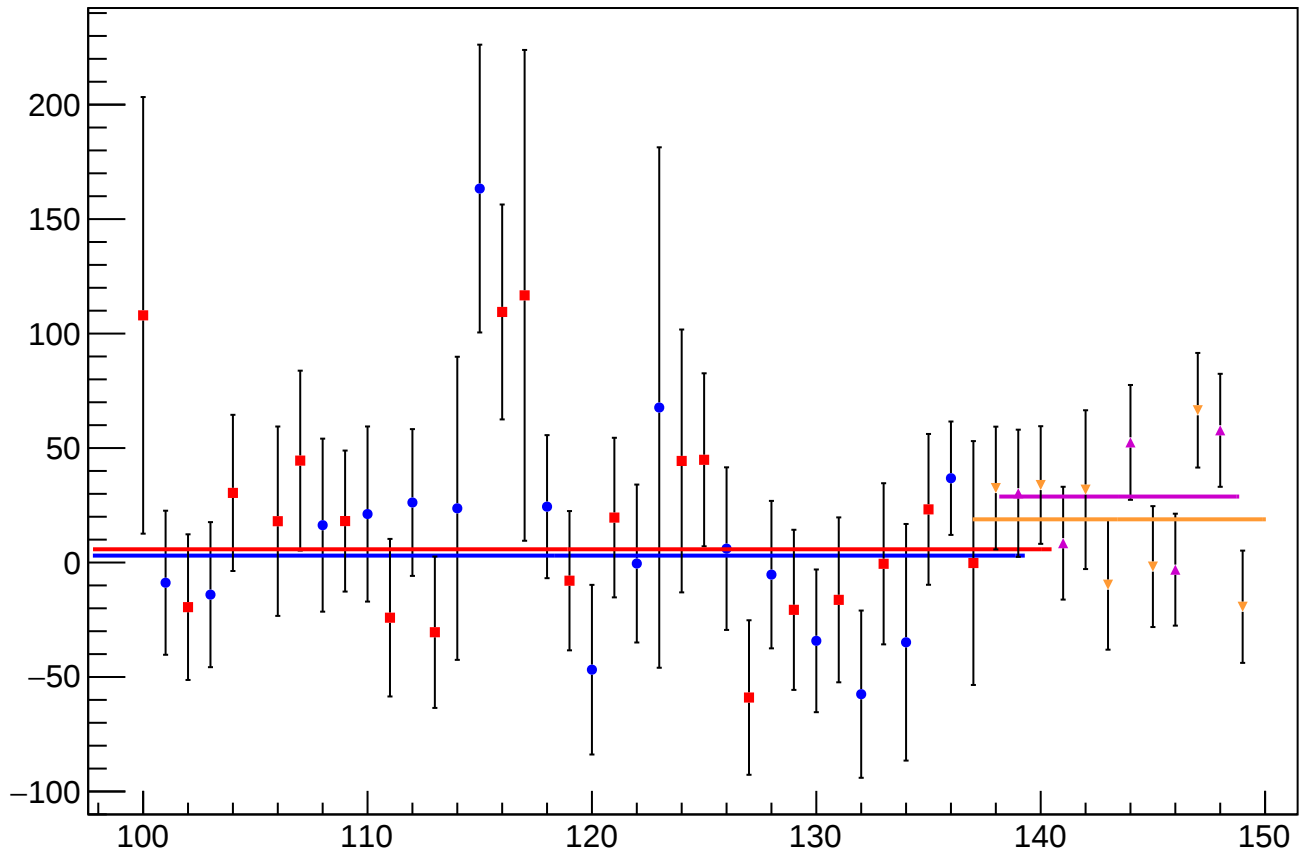
Left In: 247.392 $\pm$ 0.089 χ^2 /NDF: 128545.0/4

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

202.531 $\pm$ 0.032 χ^2 /NDF: 3726062.6/48

192.516 $\pm$ 0.044 χ^2 /NDF: 2142296.2/24

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

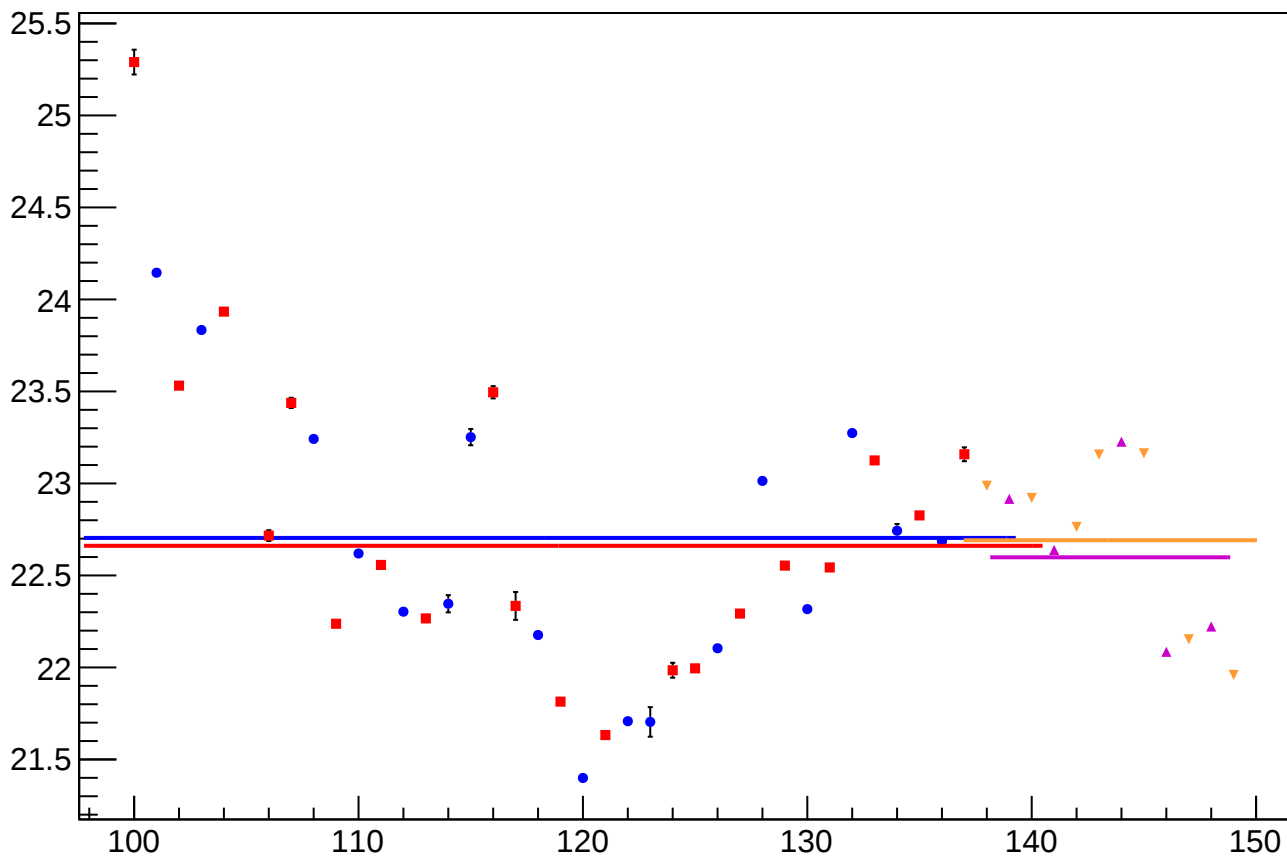
Left In: 28.815 ± 11.287 $\chi^2/\text{NDF}: 4.7/4$

9.765 ± 6.633 $\chi^2/\text{NDF}: 27.0/23$

11.870 ± 4.736 $\chi^2/\text{NDF}: 52.8/48$

14.058 ± 6.765 $\chi^2/\text{NDF}: 25.6/24$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 22.691+/-0.007 χ^2/NDF : 4297.1/6

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

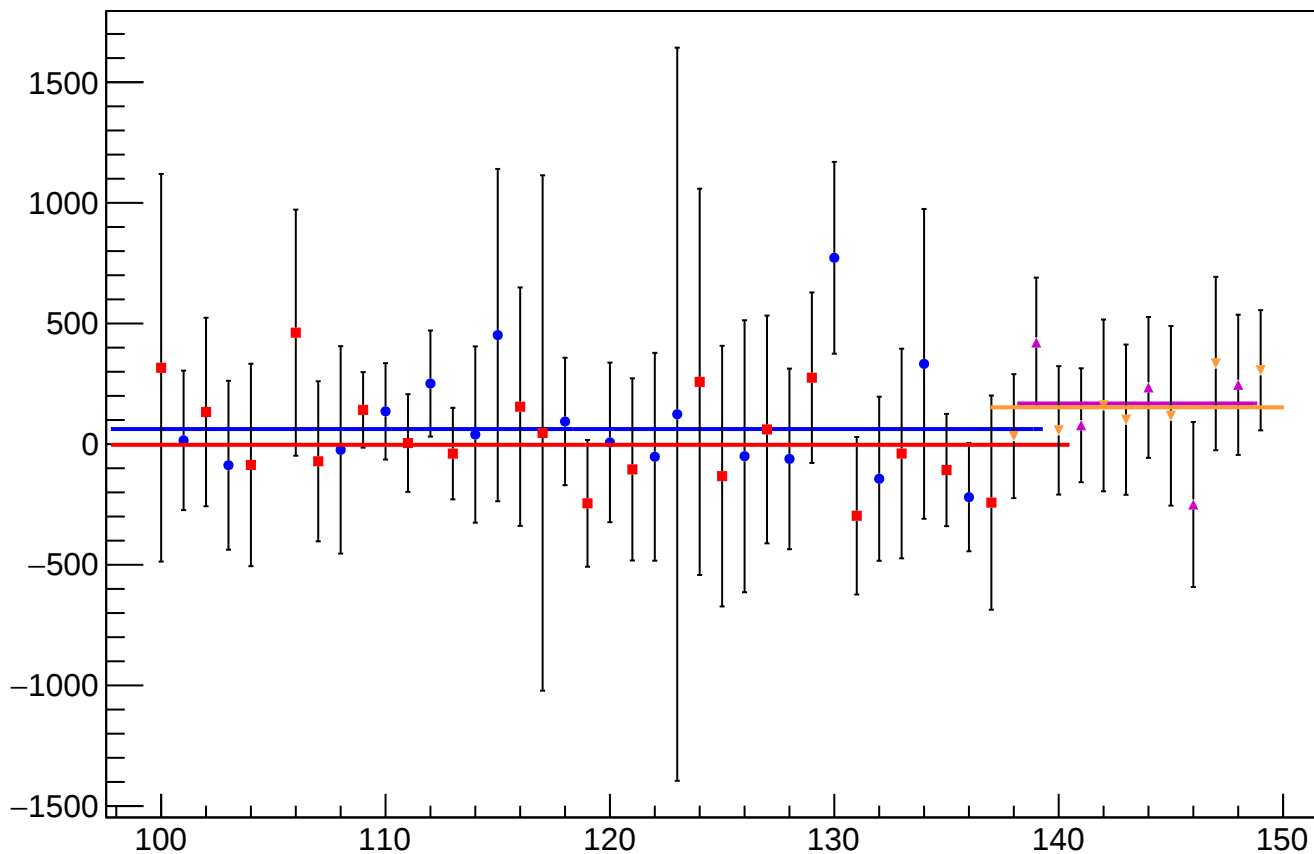
Left In: 22.599+/-0.008 χ^2/NDF : 2869.8/4

22.699+/-0.005 χ^2/NDF : 18404.7/23

22.669+/-0.003 χ^2/NDF : 34355.9/48

22.639+/-0.005 χ^2/NDF : 15871.3/24

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

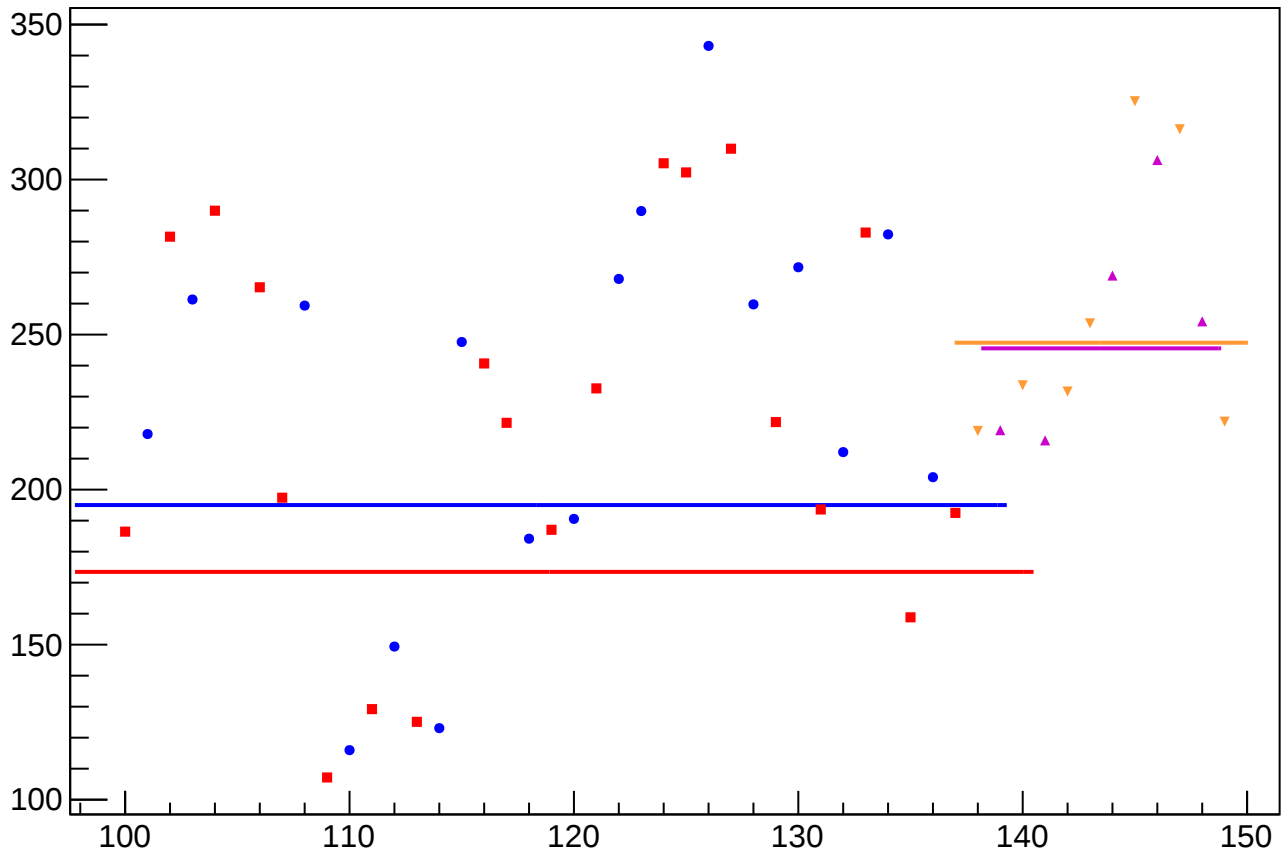
Left In: 168.510+/-125.085 χ^2/NDF :2.6/4

92.516+/-65.045 χ^2/NDF : 8.5/23

63.846+/-44.621 χ^2/NDF : 18.1/48

38.360+/-61.327 χ^2/NDF : 9.3/24

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.022 $\pm$ 0.056 χ^2/NDF : 1004284.9/16

Left Out: 247.390 $\pm$ 0.080 χ^2/NDF :216435.7/6

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

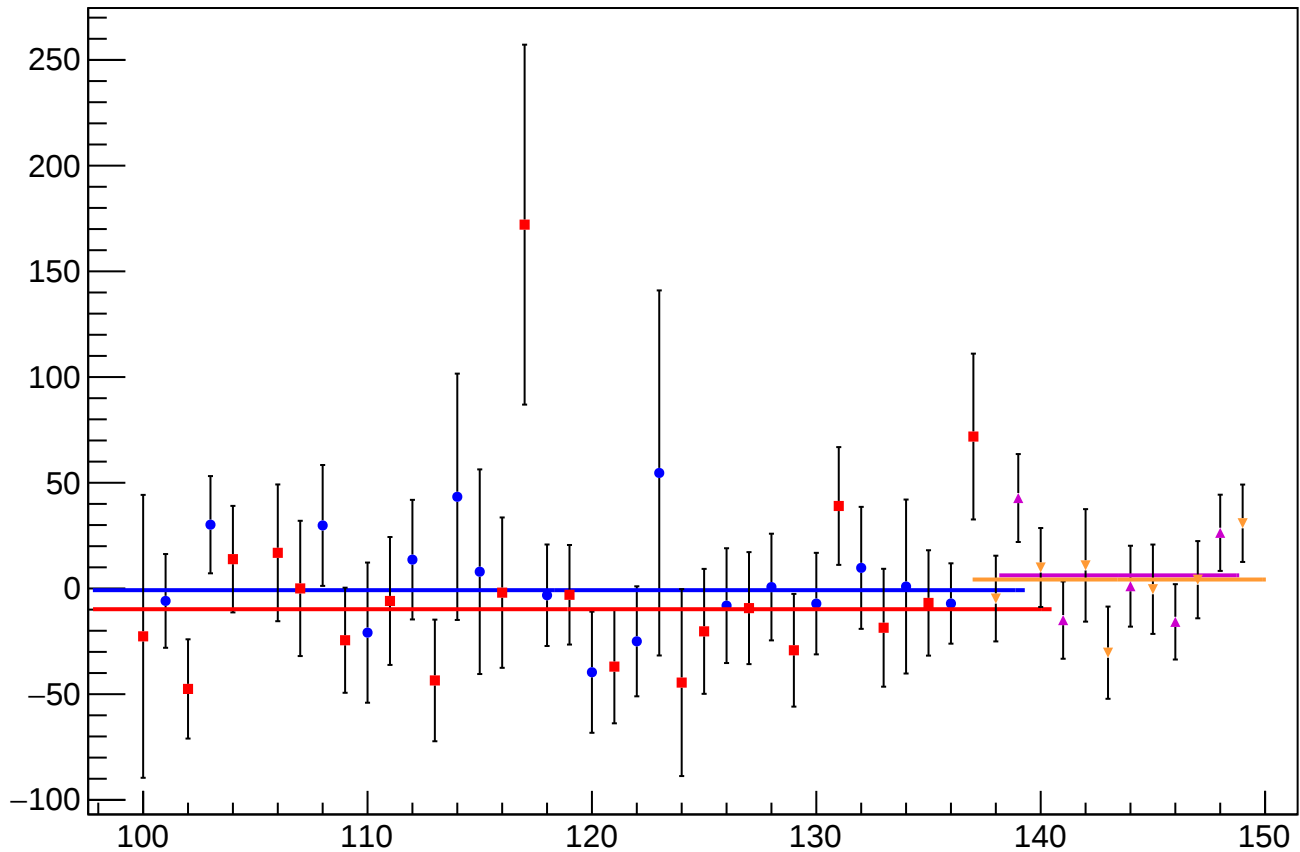
Left In: 245.564 $\pm$ 0.088 χ^2/NDF :128677.9/4

212.426 $\pm$ 0.046 χ^2/NDF : 1508372.4/23

200.978 $\pm$ 0.032 χ^2/NDF : 3841020.1/48

190.801 $\pm$ 0.043 χ^2/NDF : 2215616.4/24

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.801 $\pm$ 6.770 χ^2/NDF : 7.8/16

Left Out: 4.234 $\pm$ 7.661 χ^2/NDF : 5.0/6

Right Out: -9.809 $\pm$ 6.606 χ^2/NDF : 20.5/19

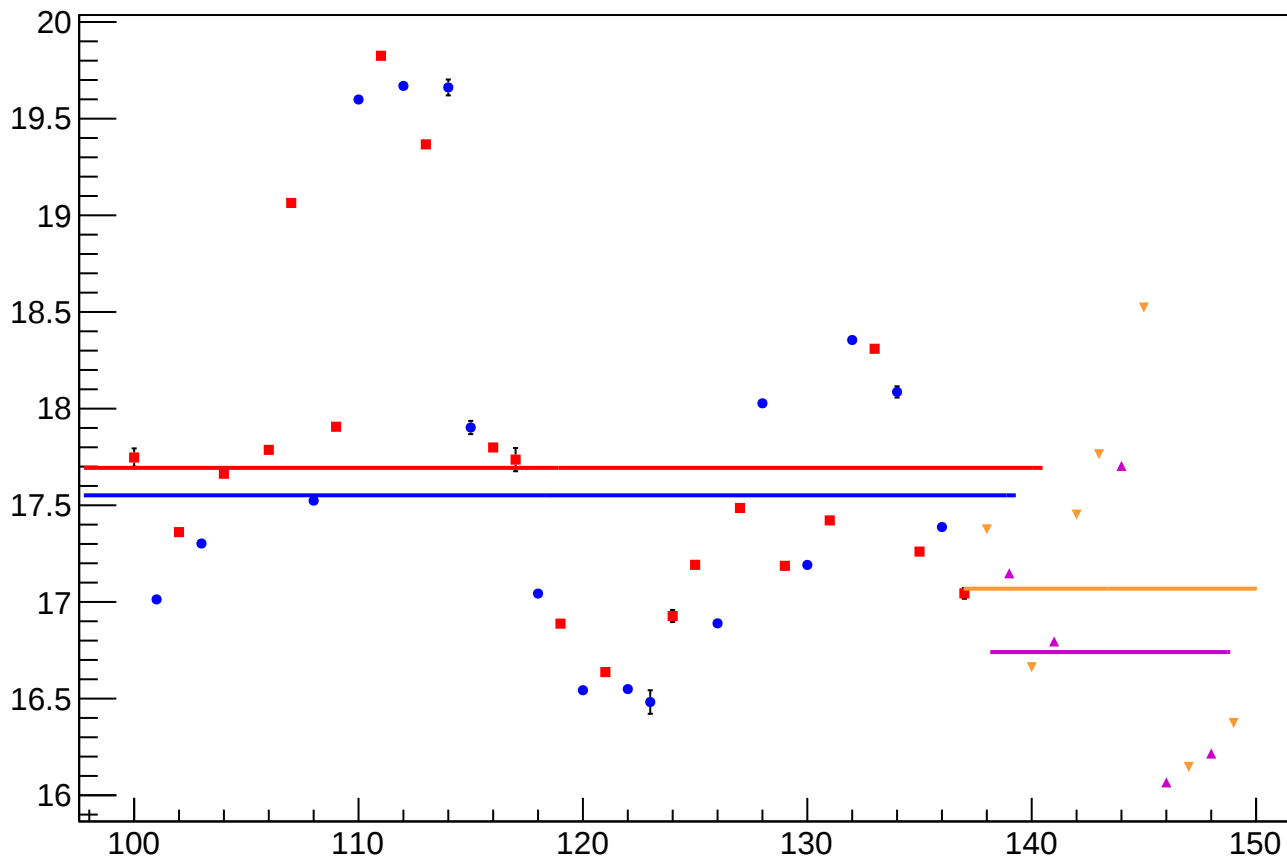
Left In: 6.200 $\pm$ 8.373 χ^2/NDF : 7.3/4

1.407 $\pm$ 5.073 χ^2/NDF : 13.0/23

-1.074 $\pm$ 3.627 χ^2/NDF : 43.6/48

-3.667 $\pm$ 5.186 χ^2/NDF : 30.1/24

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

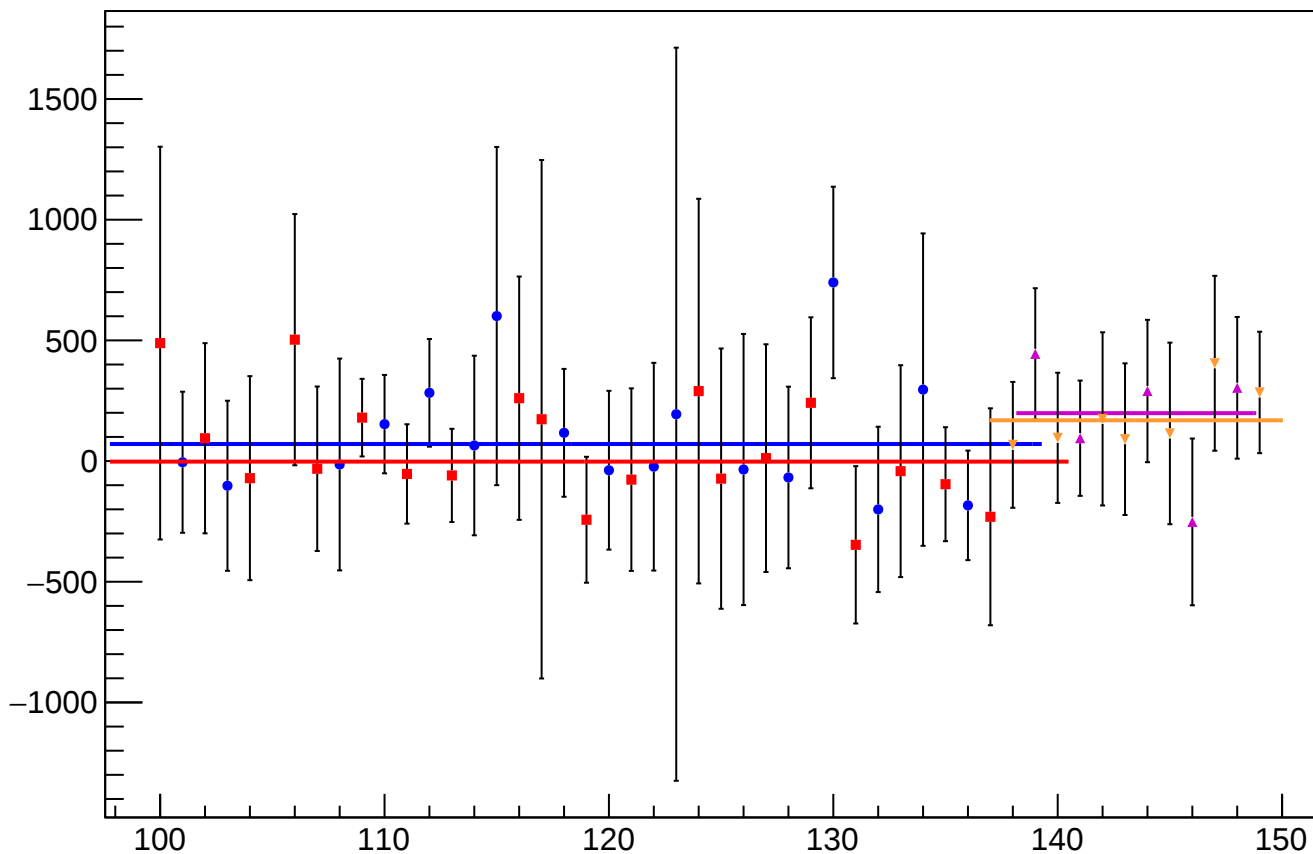
Left In: 16.741 $\pm$ 0.006 χ^2/NDF : 10411.8/4

17.340 $\pm$ 0.004 χ^2/NDF : 59794.9/23

17.334 $\pm$ 0.003 χ^2/NDF : 116917.5/48

17.328 $\pm$ 0.004 χ^2/NDF : 57117.3/24

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

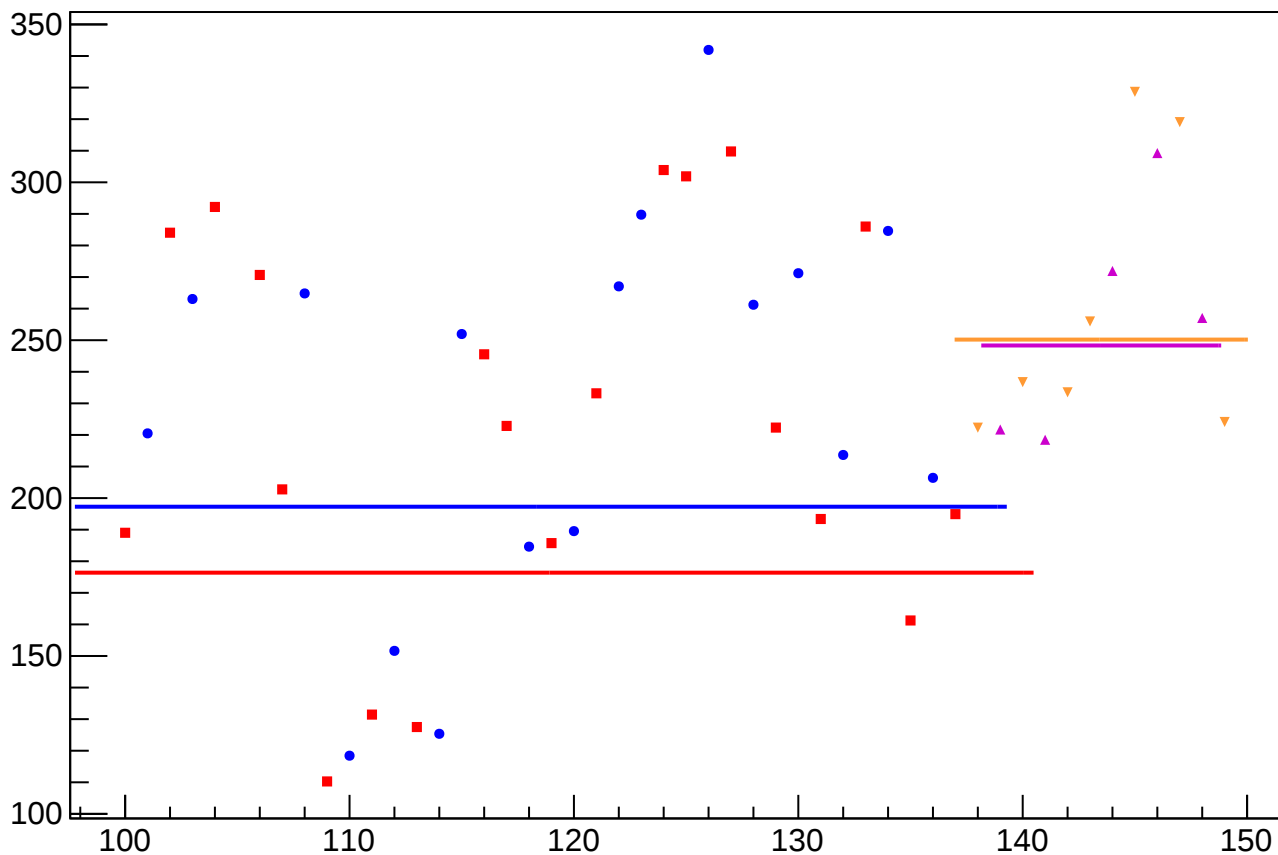
Left In: 198.473 $\pm$ 126.458 χ^2 /NDF: 2.9/4

103.242 $\pm$ 65.724 χ^2 /NDF: 8.6/23

73.120 $\pm$ 45.154 χ^2 /NDF: 20.1/48

46.192 $\pm$ 62.141 χ^2 /NDF: 11.0/24

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

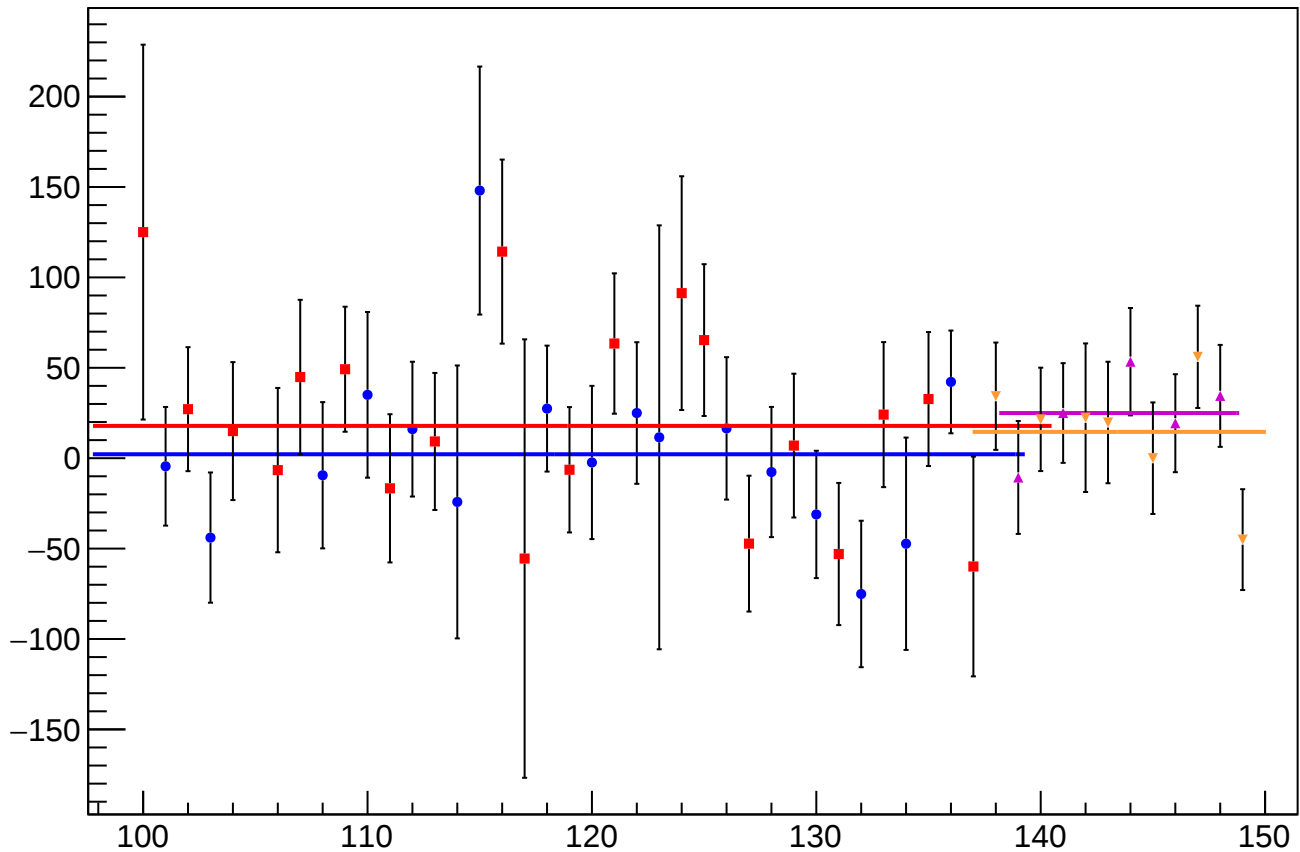
Left In: 248.328 $\pm$ 0.089 χ^2 /NDF: 127220.3/4

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

203.708 $\pm$ 0.032 χ^2 /NDF: 3721023.0/48

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

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.178 ± 9.825 $\chi^2/\text{NDF}: 15.4/16$

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

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

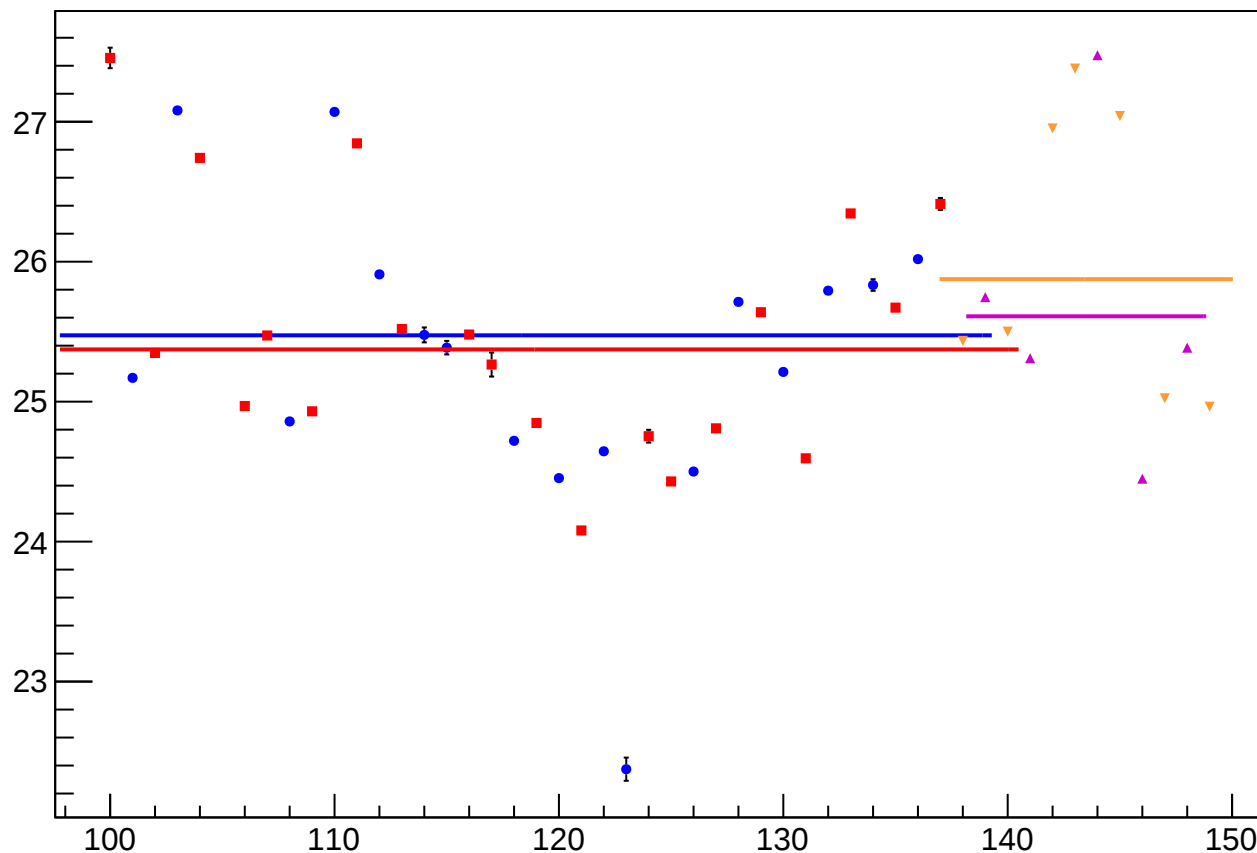
Left In: 24.976 ± 12.809 $\chi^2/\text{NDF}: 2.4/4$

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

13.766 ± 5.343 $\chi^2/\text{NDF}: 47.6/48$

20.380 ± 7.614 $\chi^2/\text{NDF}: 22.5/24$

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

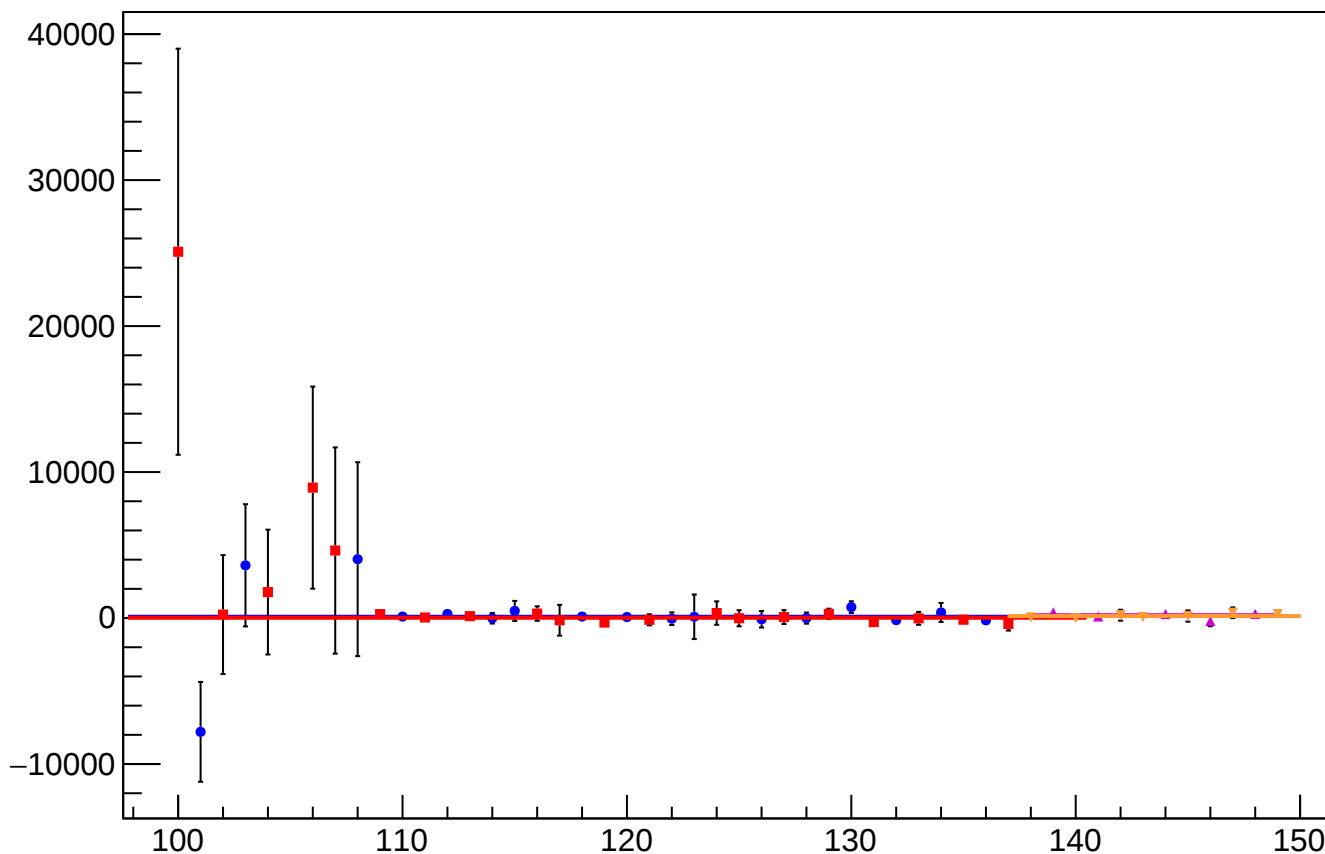
Left In: 25.610+/-0.009 χ^2/NDF :11961.6/4

25.641+/-0.005 χ^2/NDF : 28425.5/23

25.551+/-0.004 χ^2/NDF : 55007.3/48

25.457+/-0.005 χ^2/NDF : 25985.5/24

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

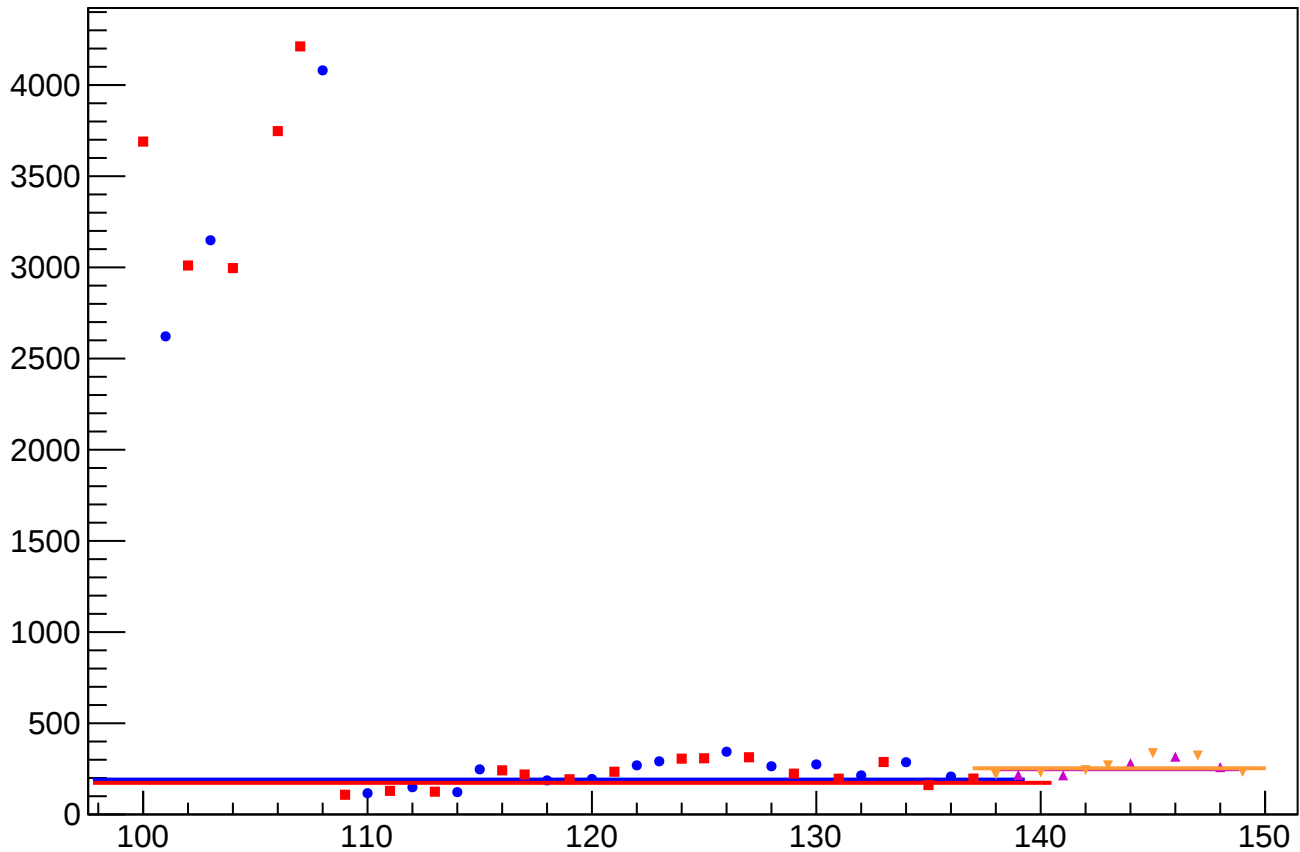
Left In: 193.070+/-126.715 χ^2/NDF : 2.1/4

106.551+/-69.823 χ^2/NDF : 13.6/23

88.343+/-48.732 χ^2/NDF : 29.1/48

71.049+/-68.047 χ^2/NDF : 15.4/24

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

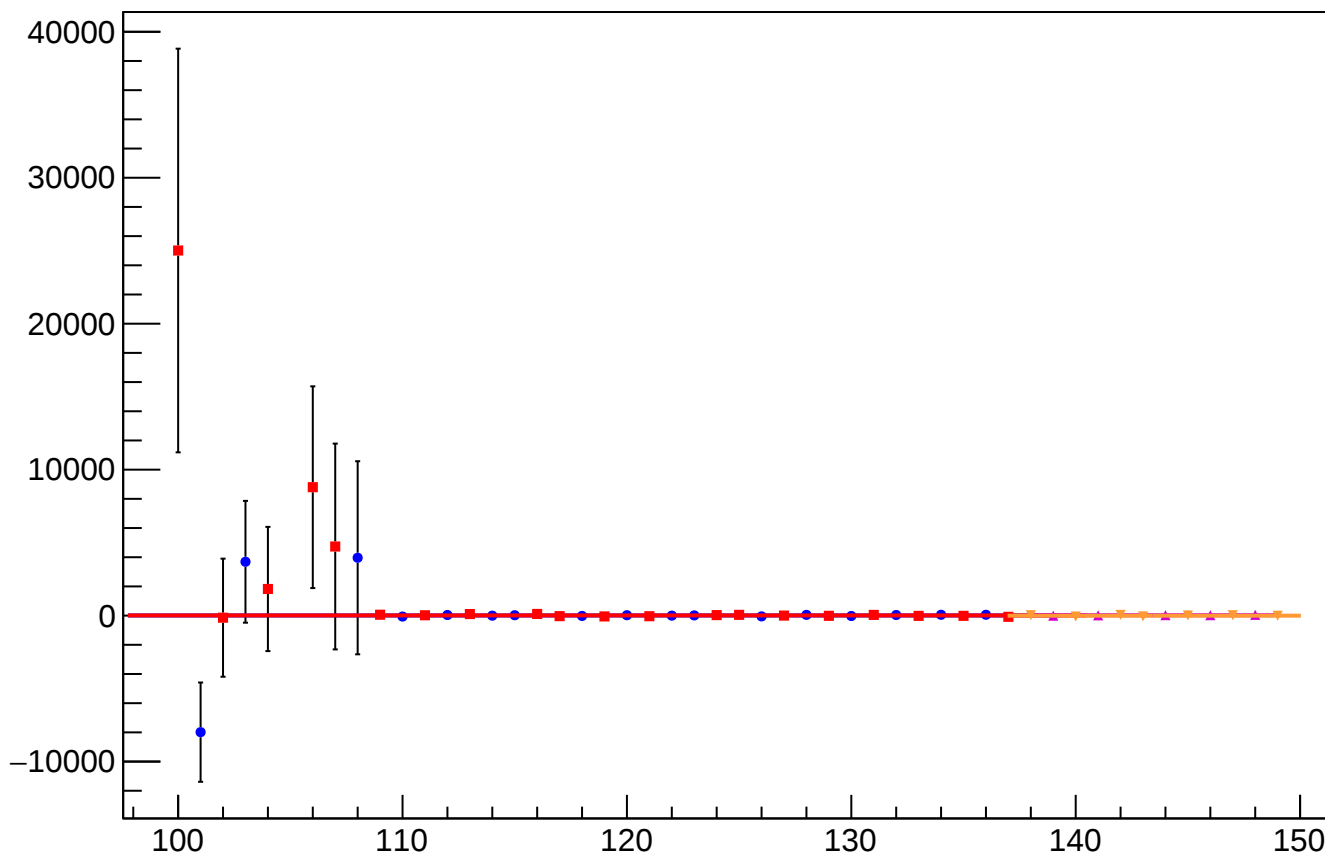
Left In: 248.148+/-0.090 χ^2/NDF : 168443.4/4

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

204.184+/-0.034 χ^2/NDF : 9118210.7/48

195.053+/-0.048 χ^2/NDF : 4872818.5/24

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

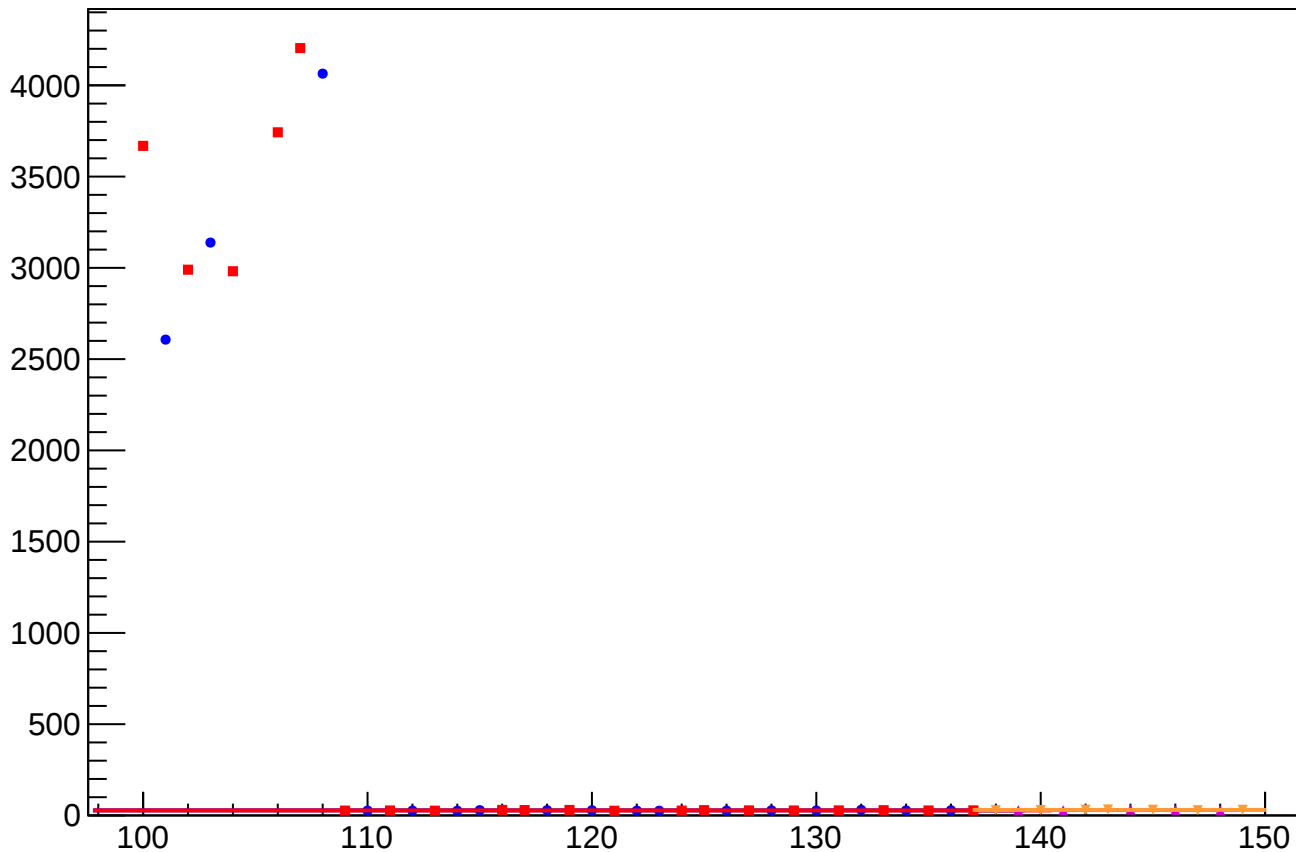
Left In: 25.980+/-14.771 χ^2/NDF : 1.5/4

3.684+/-9.077 χ^2/NDF : 26.8/23

10.594+/-6.529 χ^2/NDF : 54.5/48

18.001+/-9.398 χ^2/NDF : 26.5/24

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.837 $\pm$ 0.009 χ^2 /NDF: 3026887.2/16

Left Out: 30.249 $\pm$ 0.010 χ^2 /NDF: 20021.6/6

Right Out: 27.706 $\pm$ 0.009 χ^2 /NDF: 3477080.4/19

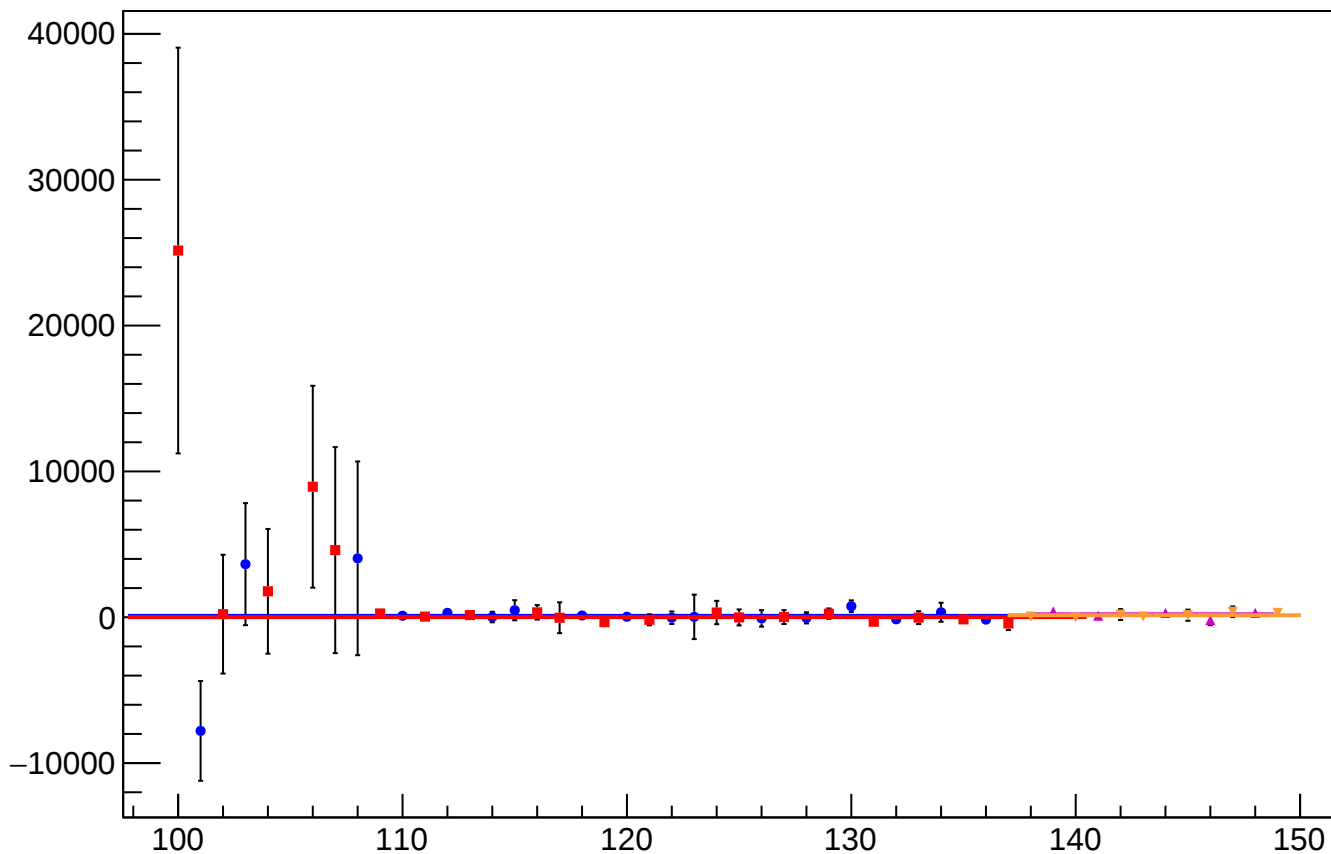
Left In: 29.499 $\pm$ 0.010 χ^2 /NDF: 21790.6/4

28.911 $\pm$ 0.006 χ^2 /NDF: 3081798.6/23

28.680 $\pm$ 0.005 χ^2 /NDF: 6600894.4/48

28.432 $\pm$ 0.007 χ^2 /NDF: 3516410.0/24

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

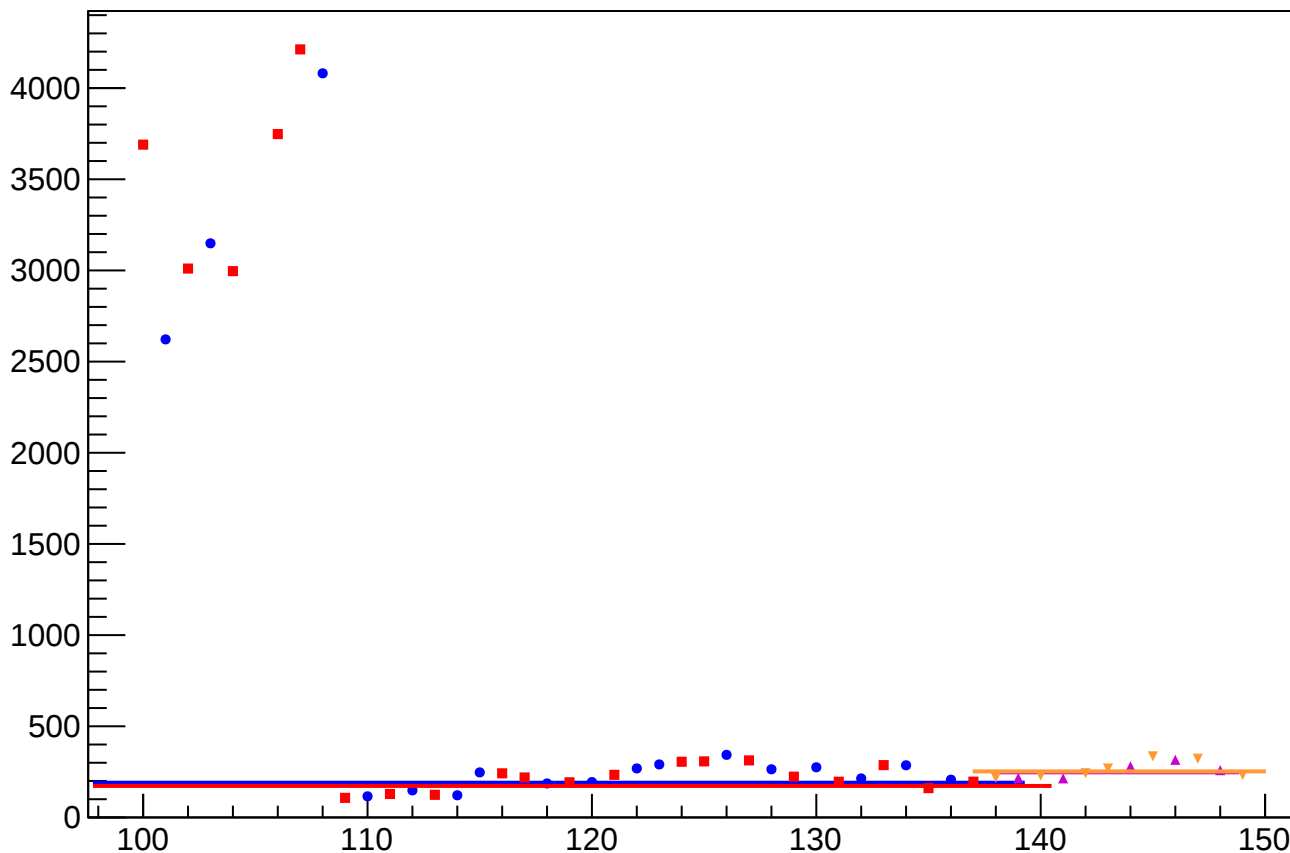
Left In: 200.662+/-126.440 χ^2/NDF : 2.1/4

110.025+/-69.632 χ^2/NDF : 14.1/23

87.795+/-48.595 χ^2/NDF : 30.6/48

66.689+/-67.849 χ^2/NDF : 16.4/24

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 : 422275.2/19

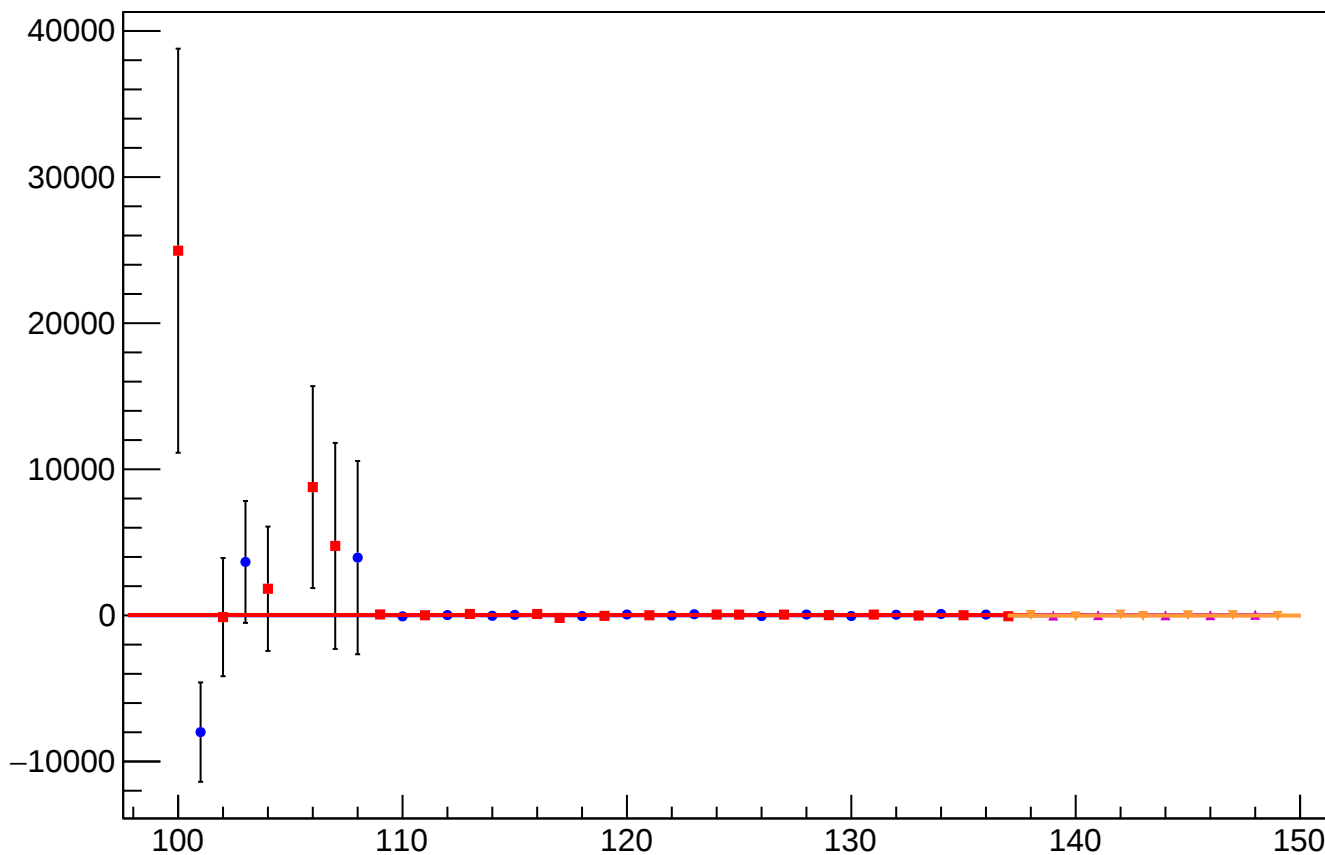
Left In: 247.610+/-0.089 χ^2/NDF : 168244.2/4

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

203.517+/-0.034 χ^2/NDF : 9149526.7/48

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

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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

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

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

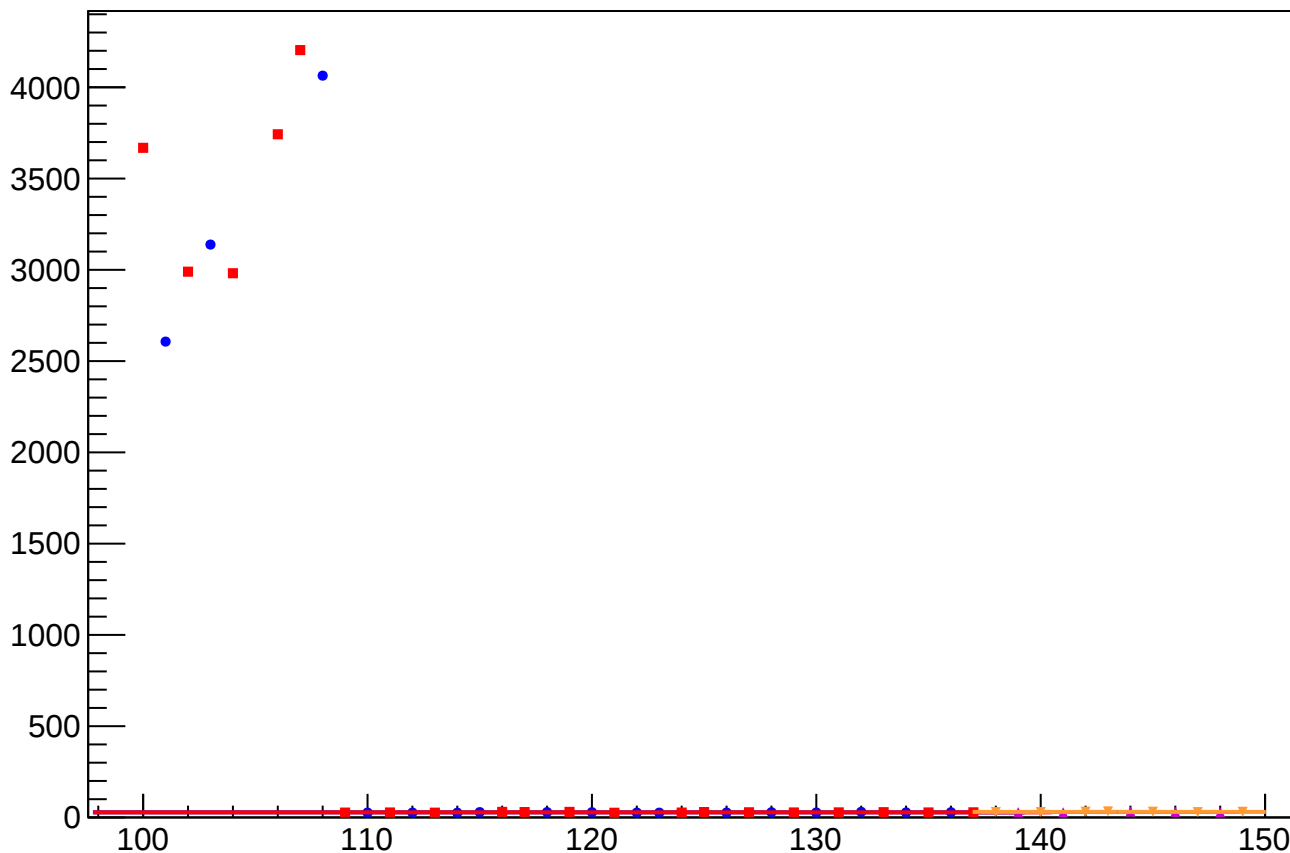
Left In: 18.083 $\pm$ 14.866 χ^2 /NDF: 1.1/4

0.423 $\pm$ 9.141 χ^2 /NDF: 31.6/23

11.822 $\pm$ 6.576 χ^2 /NDF: 54.7/48

24.053 $\pm$ 9.468 χ^2 /NDF: 19.9/24

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

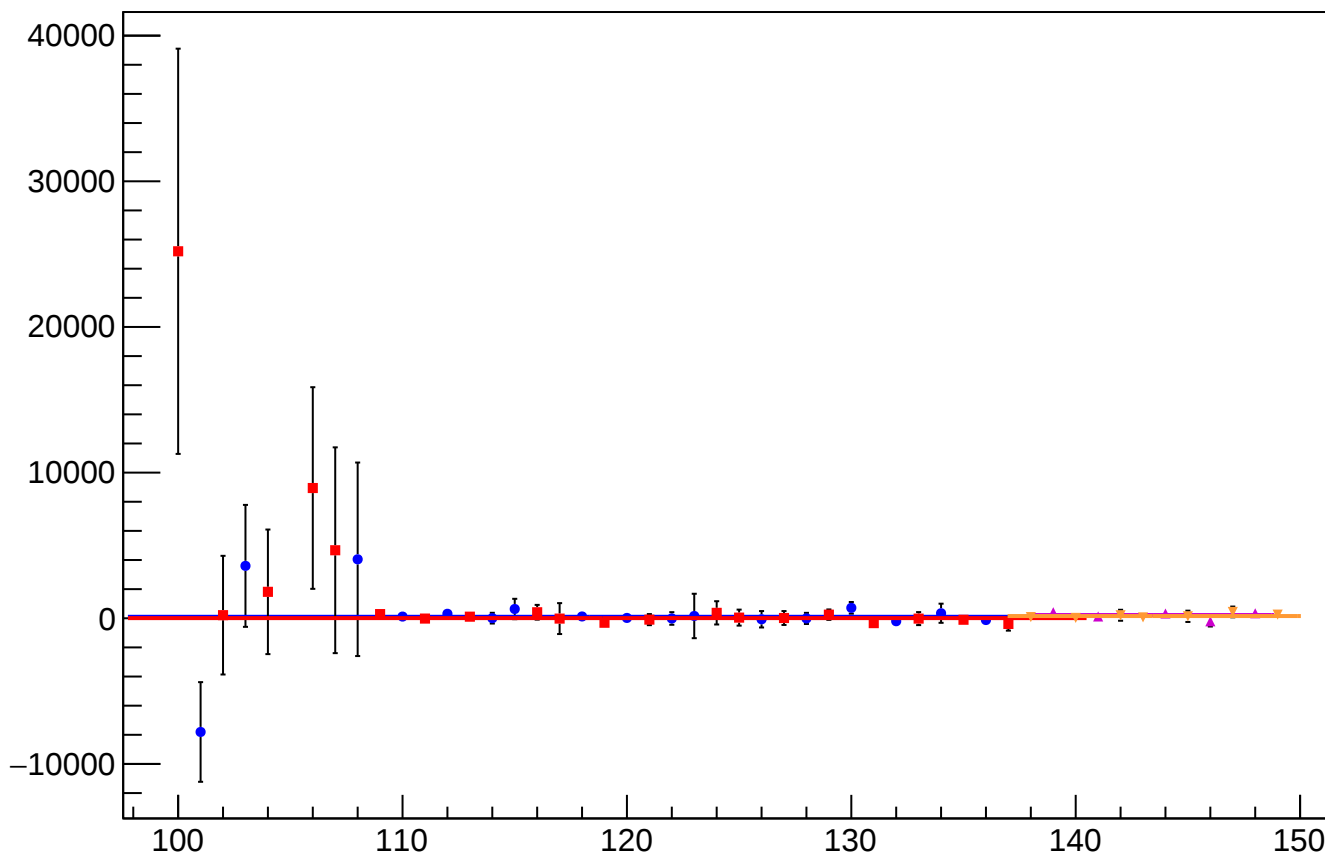
Left In: 29.685+/-0.011 χ^2/NDF :23112.8/4

29.109+/-0.006 χ^2/NDF : 3082126.8/23

28.884+/-0.005 χ^2/NDF : 6604216.0/48

28.641+/-0.007 χ^2/NDF : 3519559.8/24

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

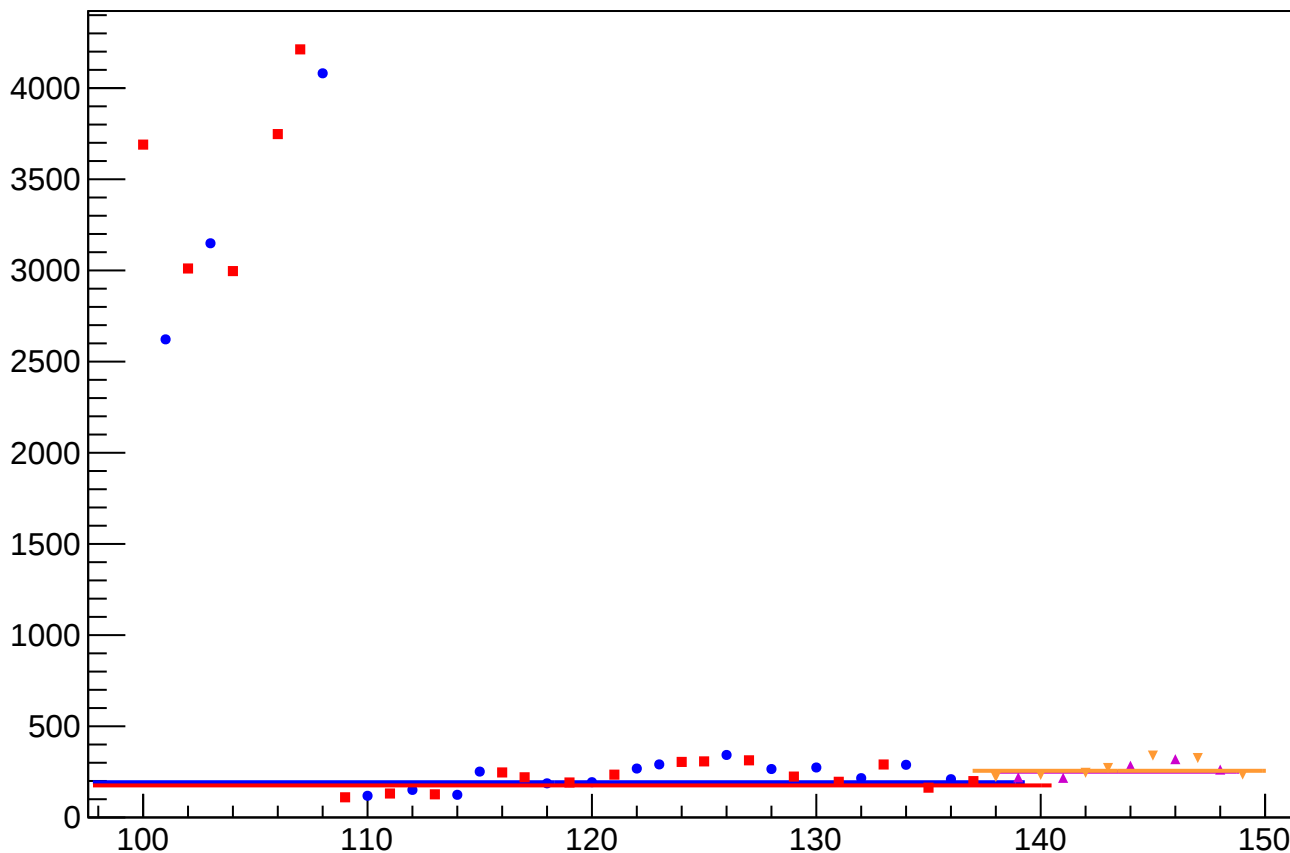
Left In: 222.158 $\pm$ 128.068 χ^2 /NDF:2.4/4

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

95.544 $\pm$ 49.214 χ^2 /NDF: 30.5/48

71.877 $\pm$ 68.750 χ^2 /NDF: 16.6/24

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

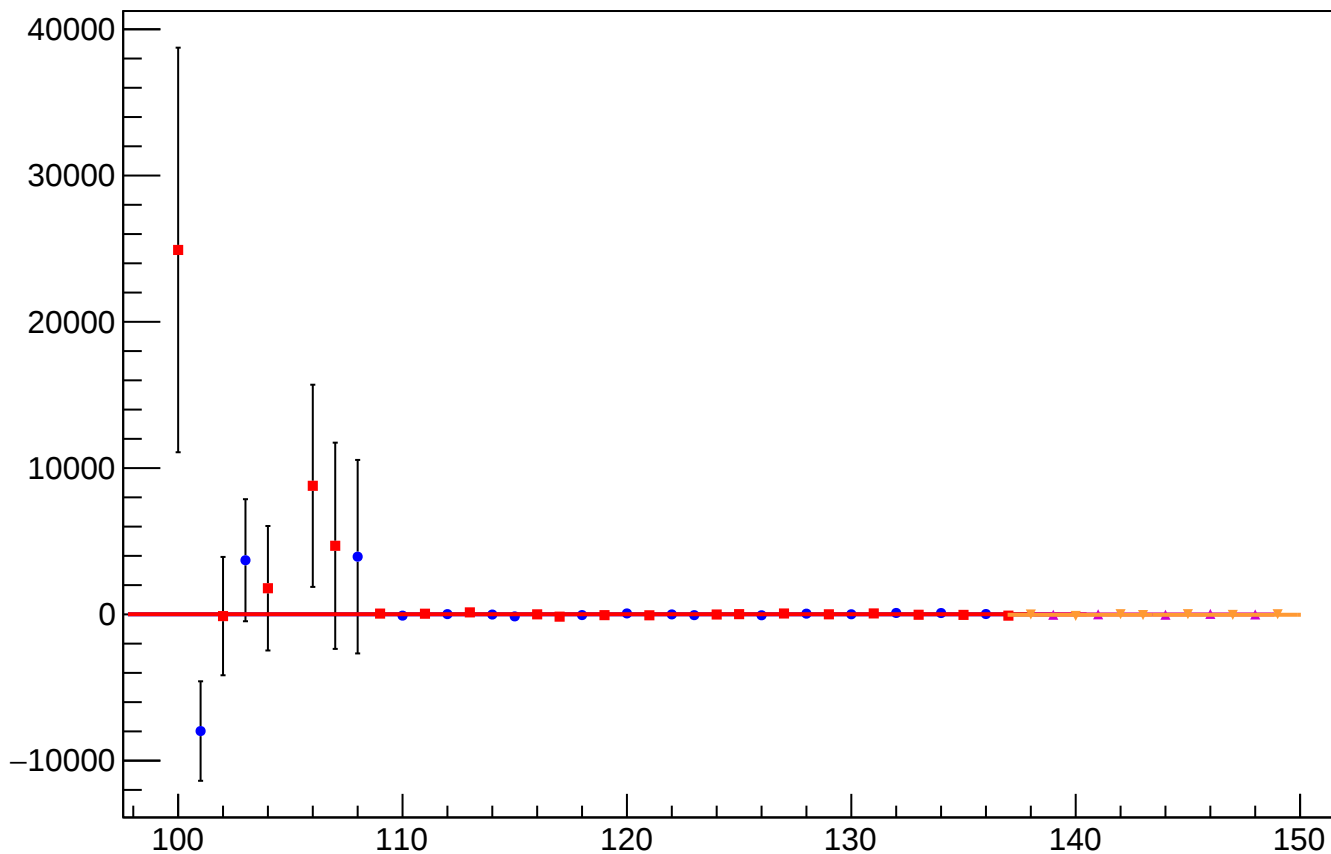
Left In: 250.871+/-0.091 χ^2/NDF : 166573.1/4

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

206.482+/-0.035 χ^2/NDF : 9031067.3/48

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

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

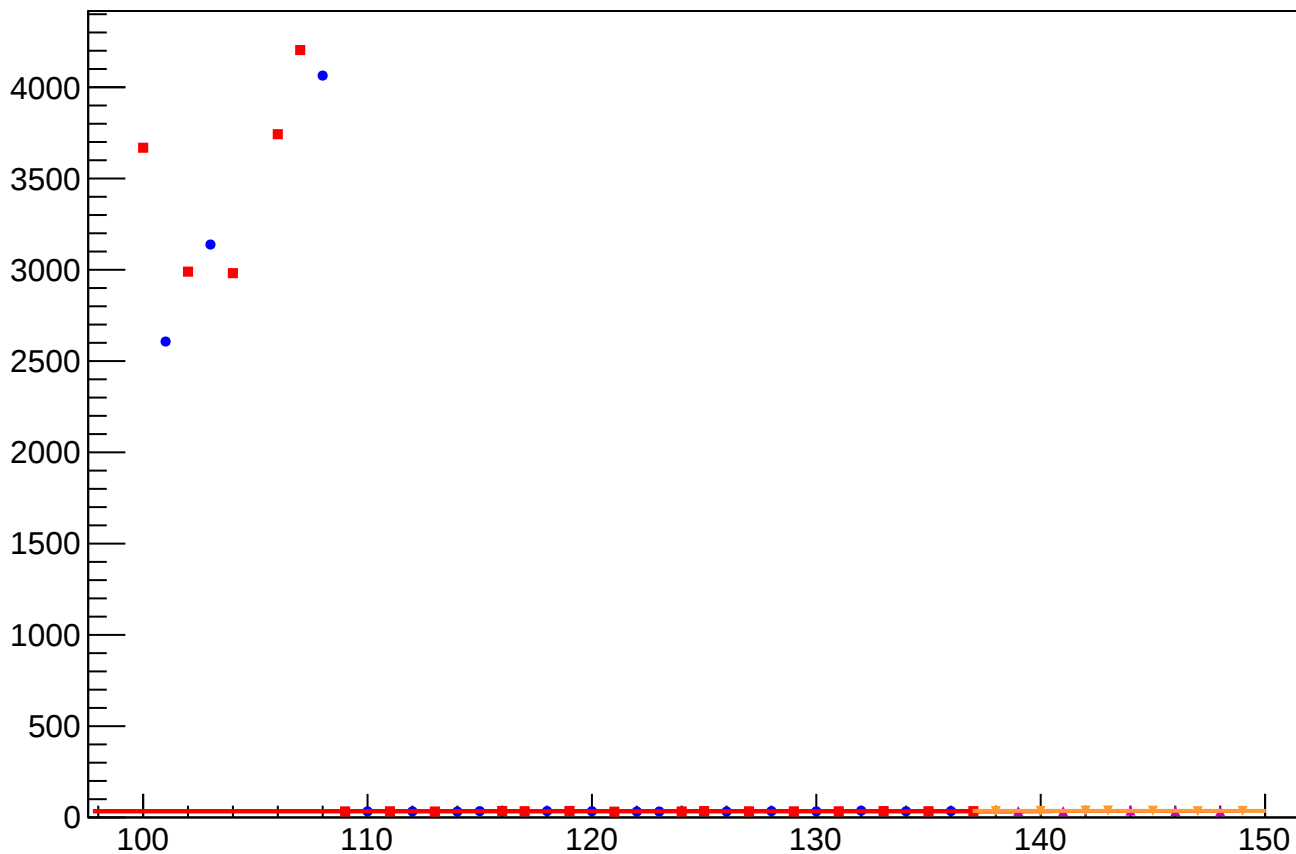
Left In: -1.656 $\pm$ 17.633 χ^2 /NDF: 1.5/4

-9.745 $\pm$ 10.956 χ^2 /NDF: 29.0/23

-2.267 $\pm$ 7.891 χ^2 /NDF: 54.4/48

5.793 $\pm$ 11.375 χ^2 /NDF: 24.5/24

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.137+/-0.011 χ^2 /NDF: 3006248.0/16

Left Out: 35.913+/-0.011 χ^2 /NDF:10824.9/6

Right Out: 33.915+/-0.011 χ^2 /NDF: 3451897.1/19

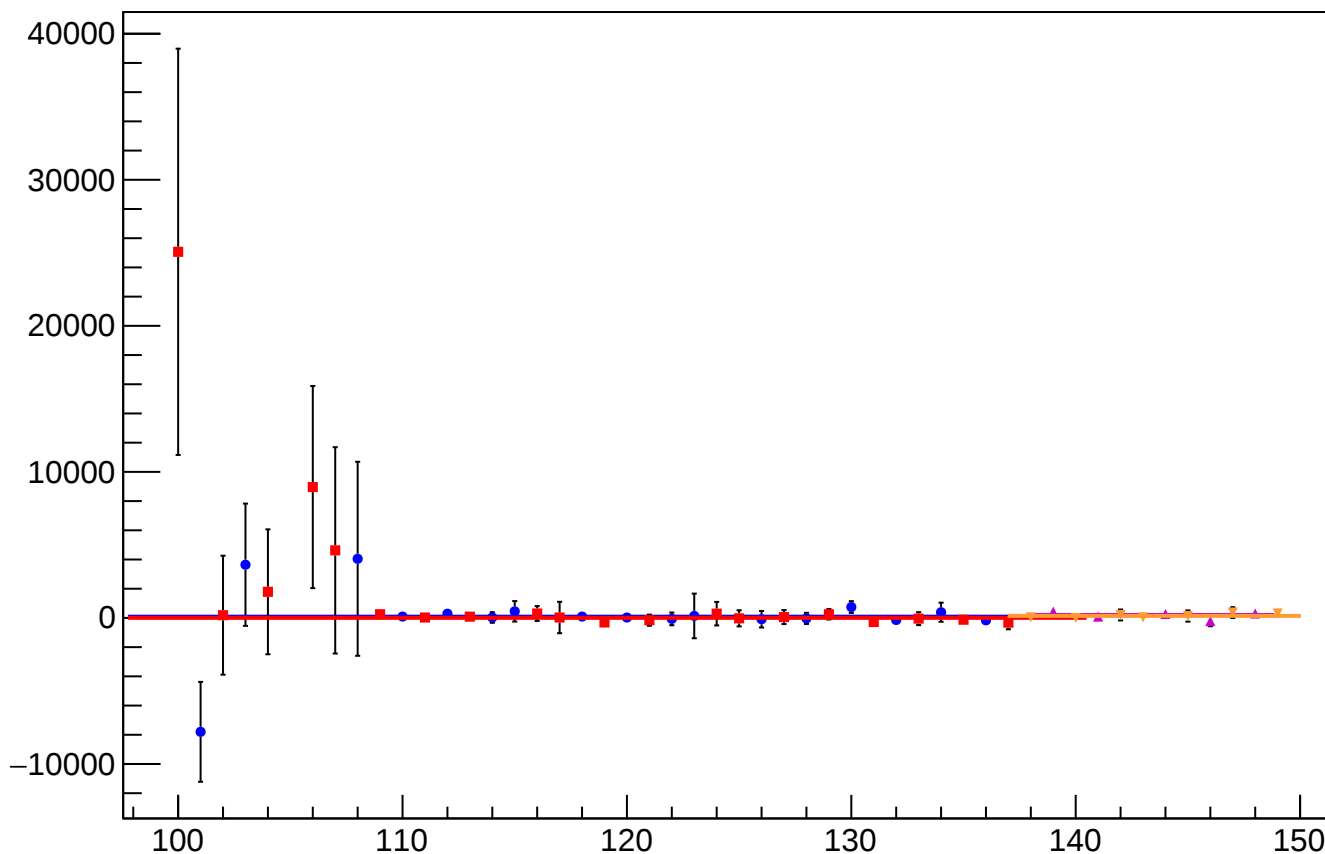
Left In: 35.267+/-0.012 χ^2 /NDF:9660.1/4

34.957+/-0.008 χ^2 /NDF: 3030124.6/23

34.727+/-0.006 χ^2 /NDF: 6500388.0/48

34.478+/-0.008 χ^2 /NDF: 3468420.3/24

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

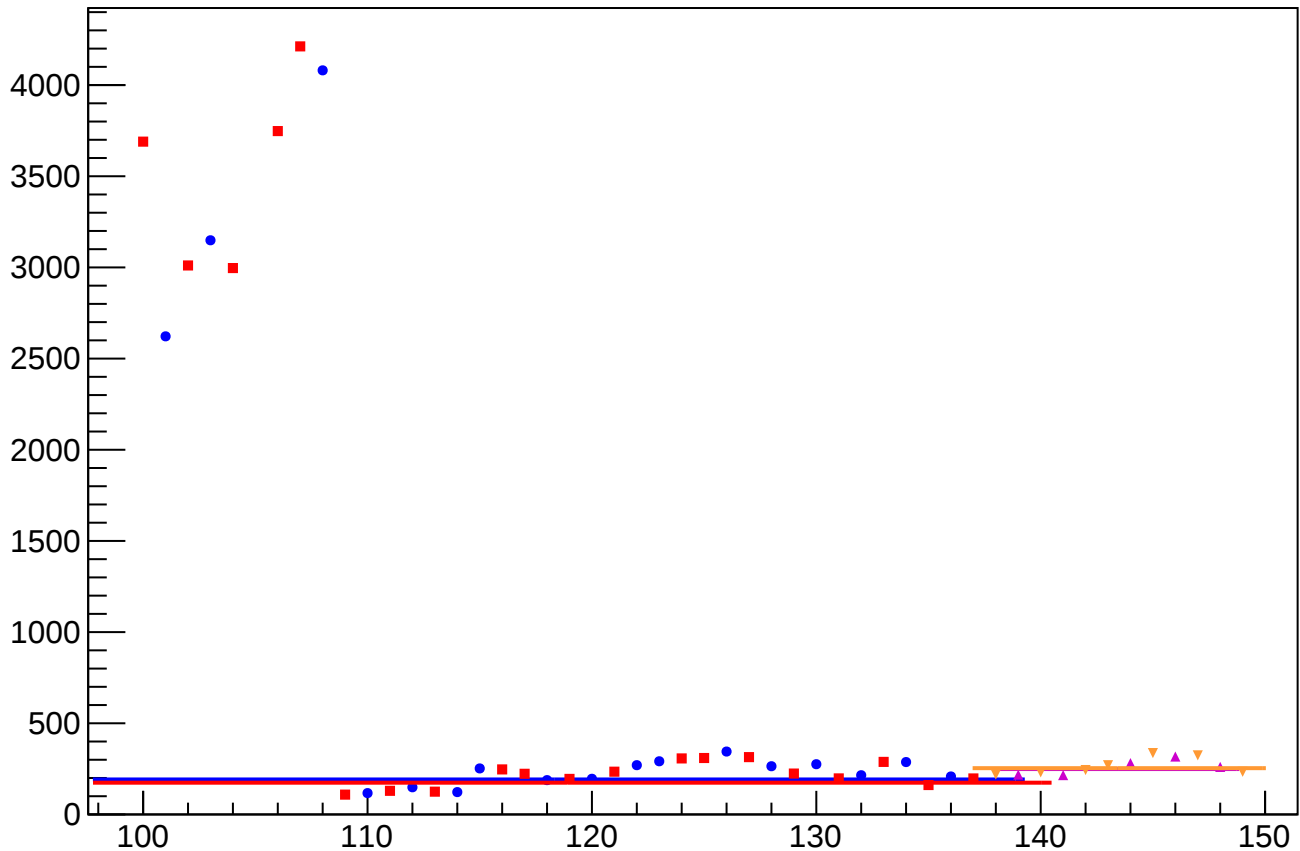
Left In: 199.528+/-127.154 χ^2/NDF : 2.5/4

105.870+/-70.057 χ^2/NDF : 13.9/23

83.815+/-48.906 χ^2/NDF : 29.3/48

62.852+/-68.303 χ^2/NDF : 15.2/24

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

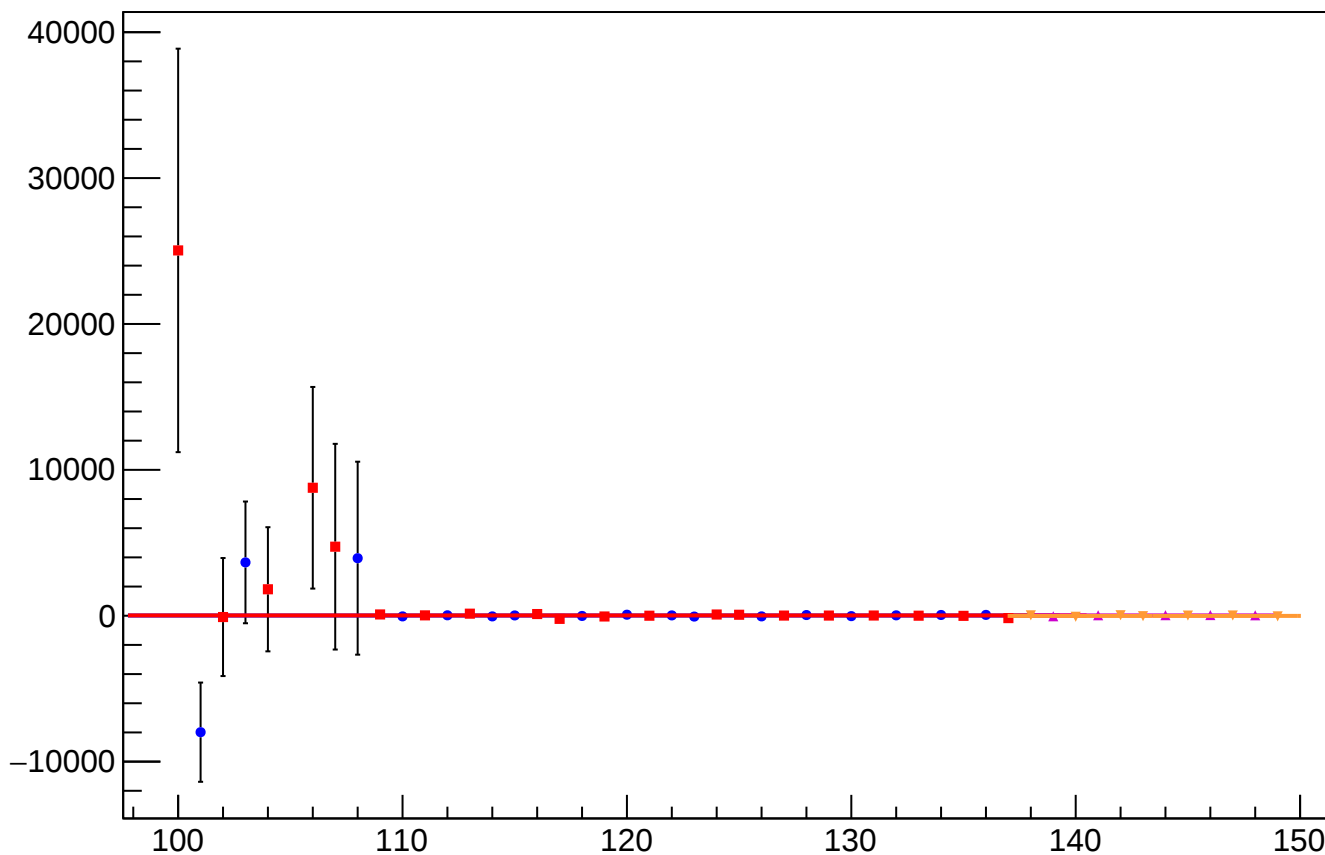
Left In: 249.038+/-0.090 χ^2/NDF : 167077.9/4

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

204.924+/-0.035 χ^2/NDF : 9119905.7/48

195.799+/-0.048 χ^2/NDF : 4875429.0/24

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

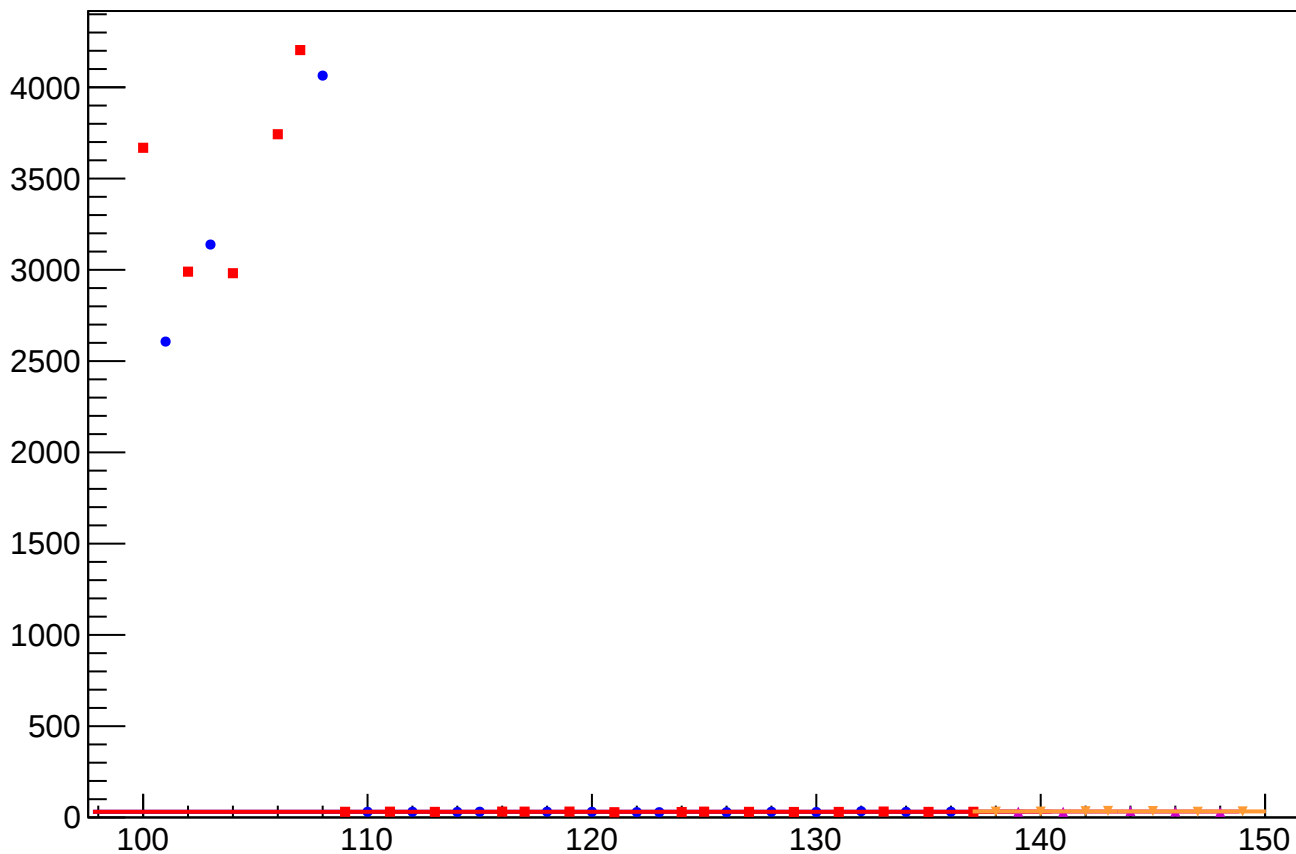
Left In: 23.138+/-16.124 χ^2/NDF : 3.1/4

2.599+/-10.037 χ^2/NDF : 23.3/23

12.043+/-7.221 χ^2/NDF : 58.1/48

22.176+/-10.396 χ^2/NDF : 33.0/24

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

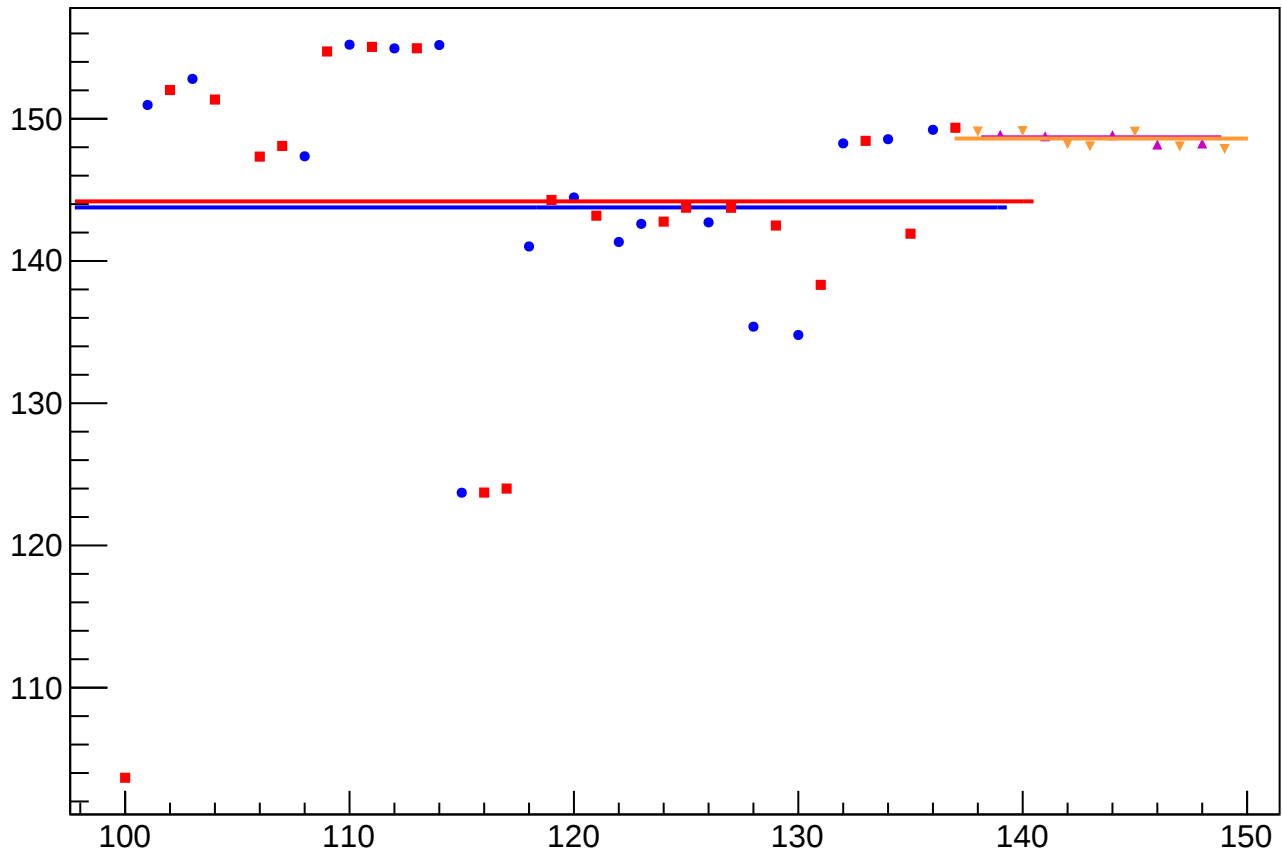
Left In: 32.221 $\pm$ 0.011 χ^2 /NDF:18915.5/4

32.002 $\pm$ 0.007 χ^2 /NDF: 3055272.5/23

31.755 $\pm$ 0.005 χ^2 /NDF: 6542738.6/48

31.490 $\pm$ 0.007 χ^2 /NDF: 3484964.0/24

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

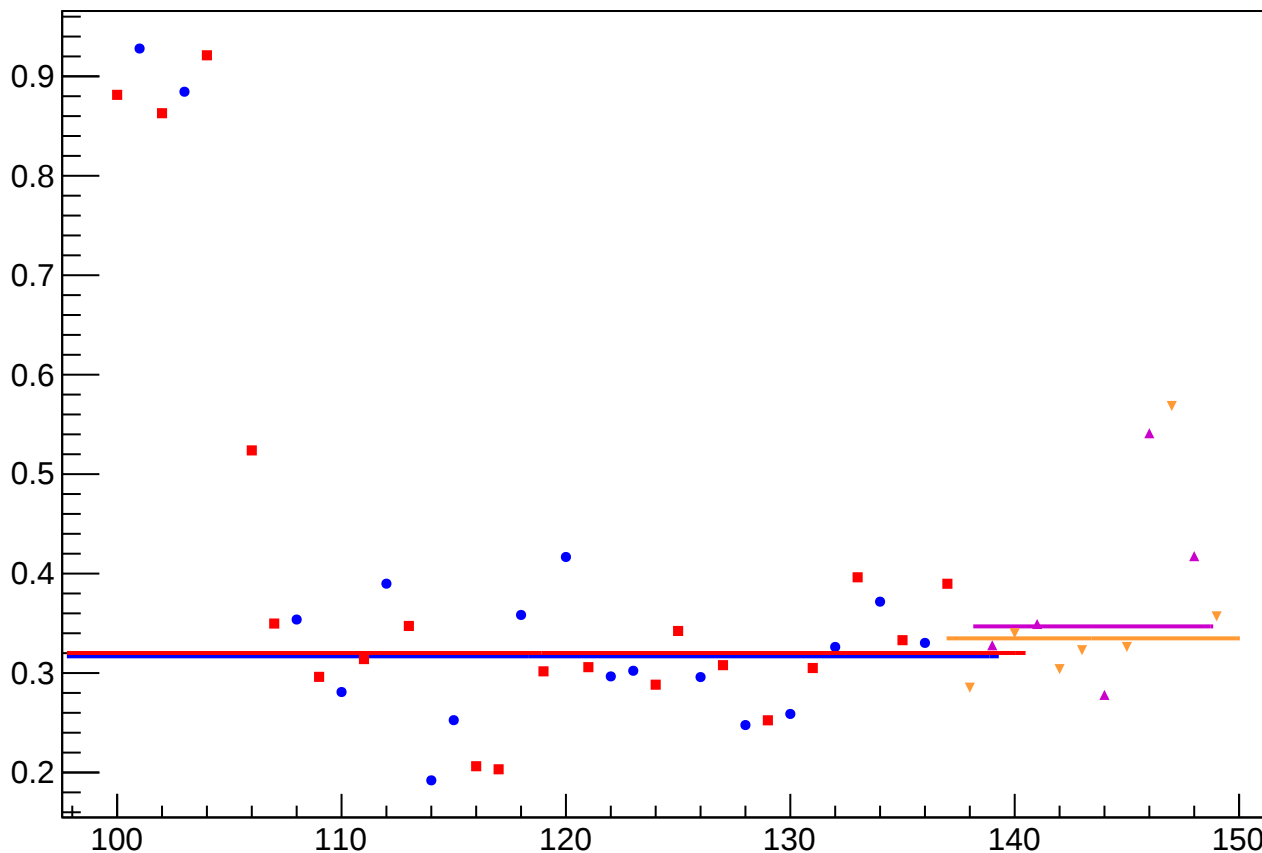
Left In: 148.698 $\pm$ 0.000 χ^2 /NDF: 1970418.0/4

145.827 $\pm$ 0.000 χ^2 /NDF: 4099337649.2/23

145.792 $\pm$ 0.000 χ^2 /NDF: 9029441821.7/

145.753 $\pm$ 0.000 χ^2 /NDF: 4929851308.7/24

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

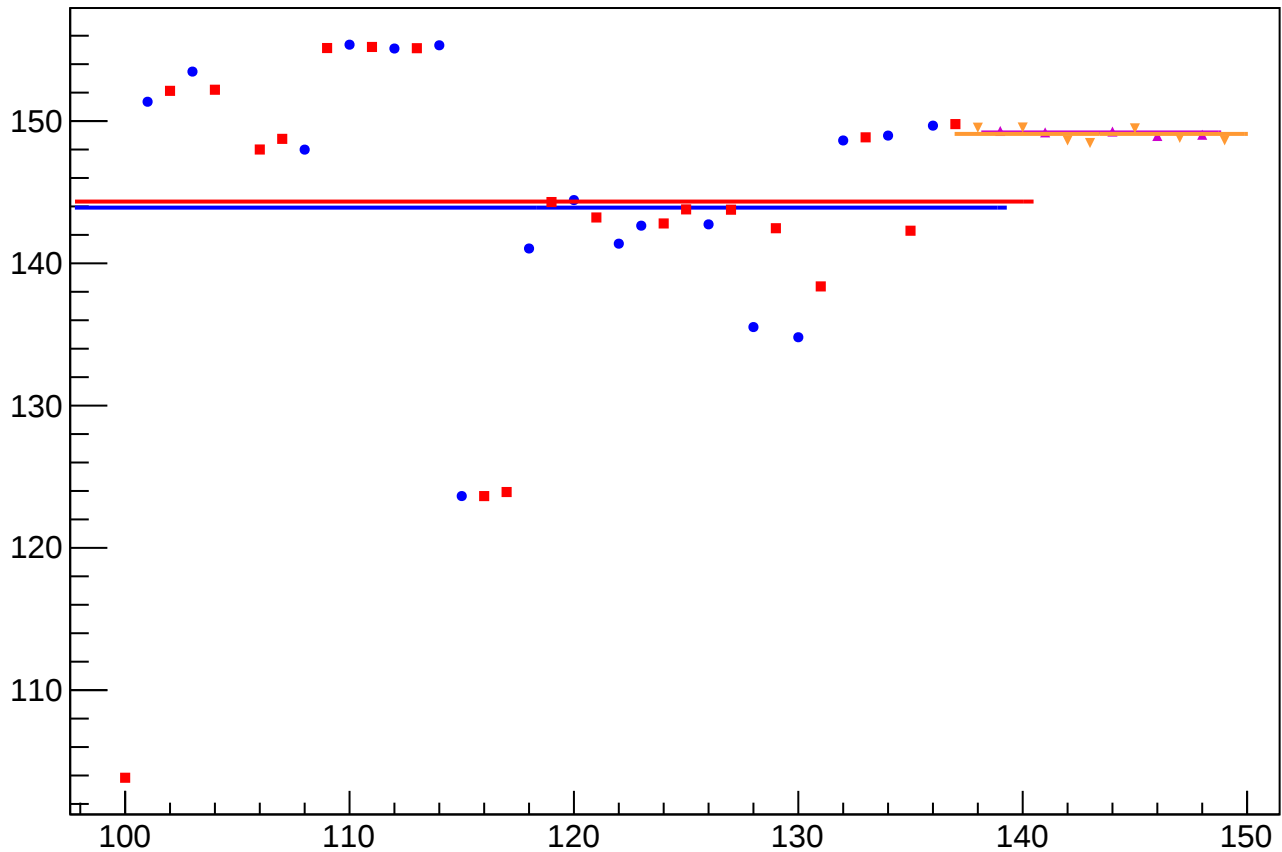
Left In: 0.347 $\pm$ 0.000 χ^2 /NDF:355130.8/4

0.324 $\pm$ 0.000 χ^2 /NDF: 1603290.1/23

0.327 $\pm$ 0.000 χ^2 /NDF: 3229735.5/48

0.329 $\pm$ 0.000 χ^2 /NDF: 1624194.1/24

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

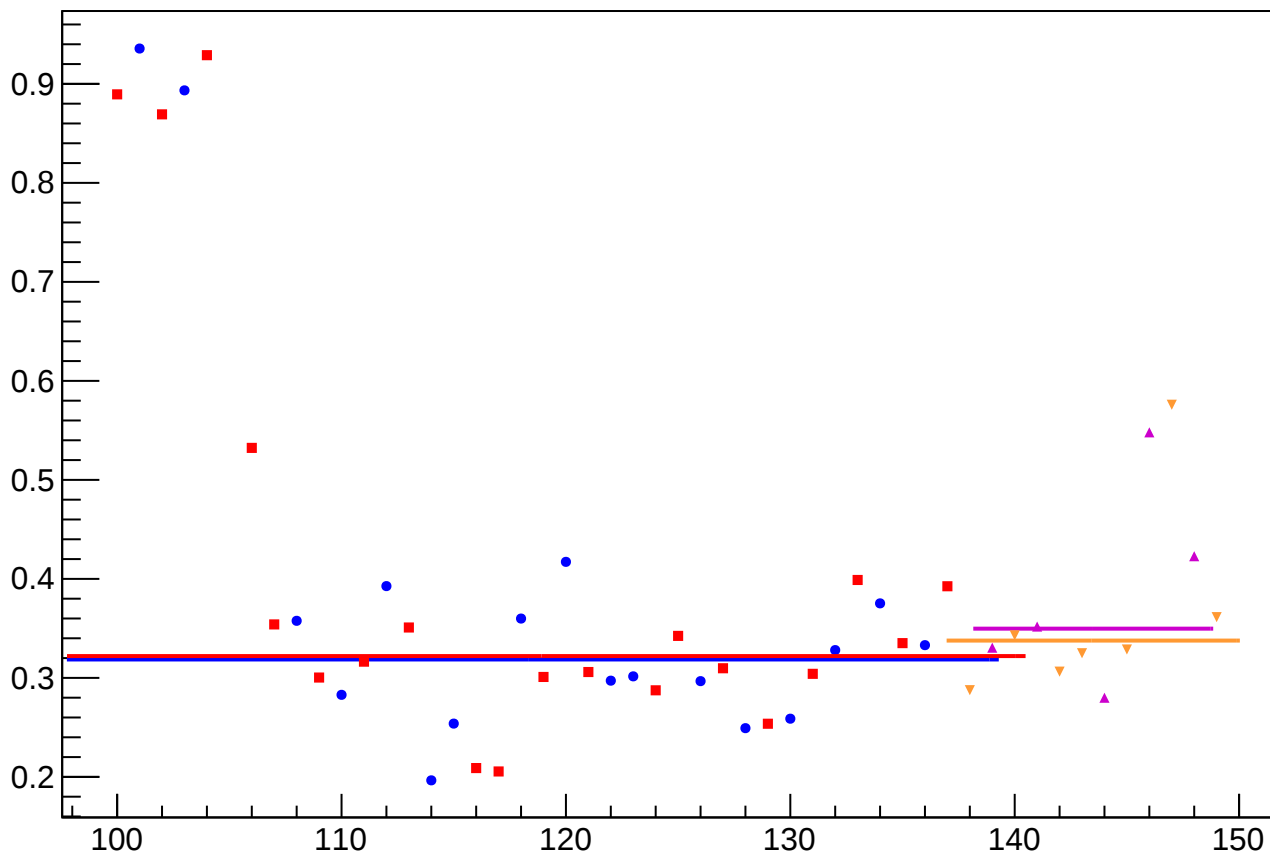
Left In: 149.201 $\pm$ 0.000 χ^2 /NDF: 377658.8/4

146.112 $\pm$ 0.000 χ^2 /NDF: 4219493975.5/23

146.068 $\pm$ 0.000 χ^2 /NDF: 9234086881.9/23

146.020 $\pm$ 0.000 χ^2 /NDF: 5014210025.4/24

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

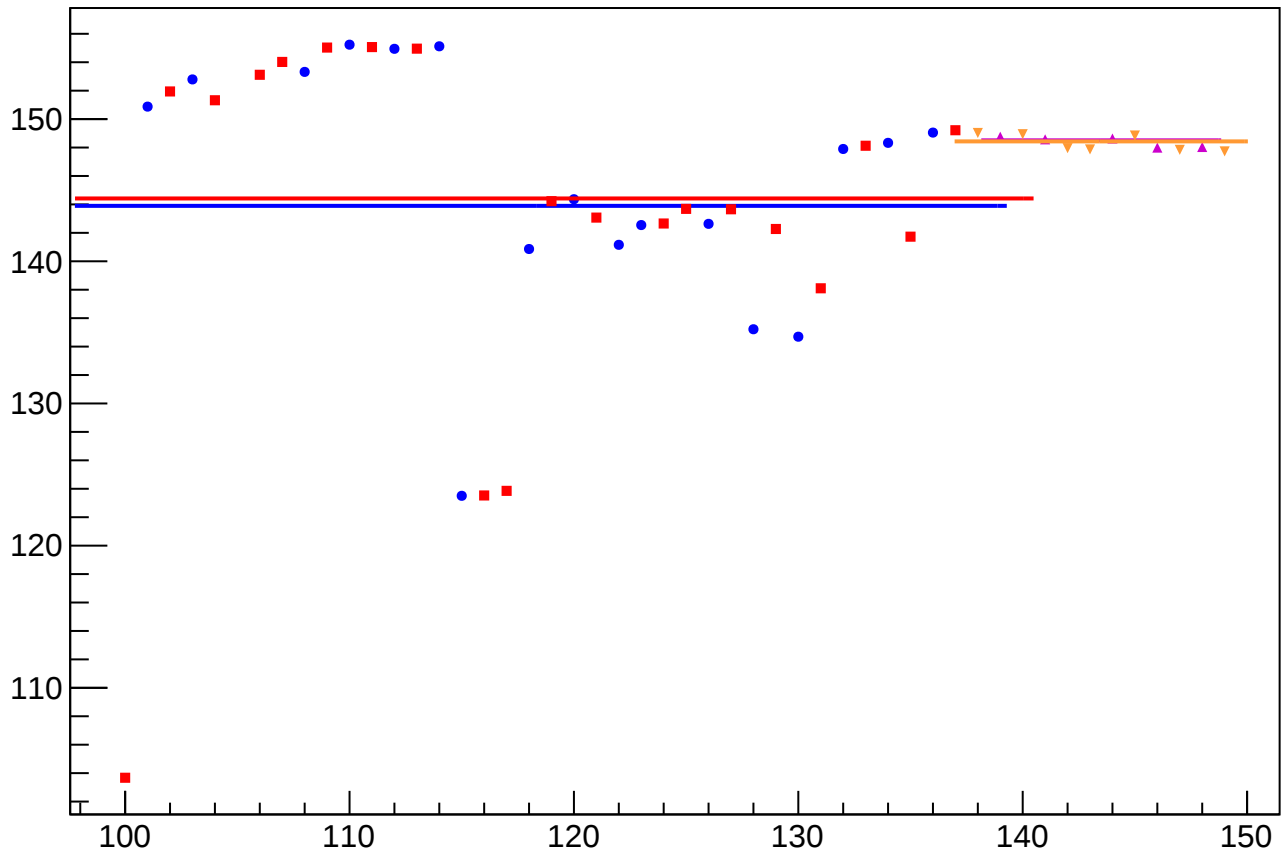
Left In: 0.350 +/- 0.000 χ^2/NDF : 361581.7/4

0.327 +/- 0.000 χ^2/NDF : 1611559.1/23

0.329 +/- 0.000 χ^2/NDF : 3248503.9/48

0.332 +/- 0.000 χ^2/NDF : 1634761.3/24

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.899 ± 0.000 χ^2/NDF : 3749888331.0/16

Left Out: 148.432 ± 0.000 χ^2/NDF : 12649064.2/6

Right Out: 144.419 ± 0.000 χ^2/NDF : 4820290476.6/19

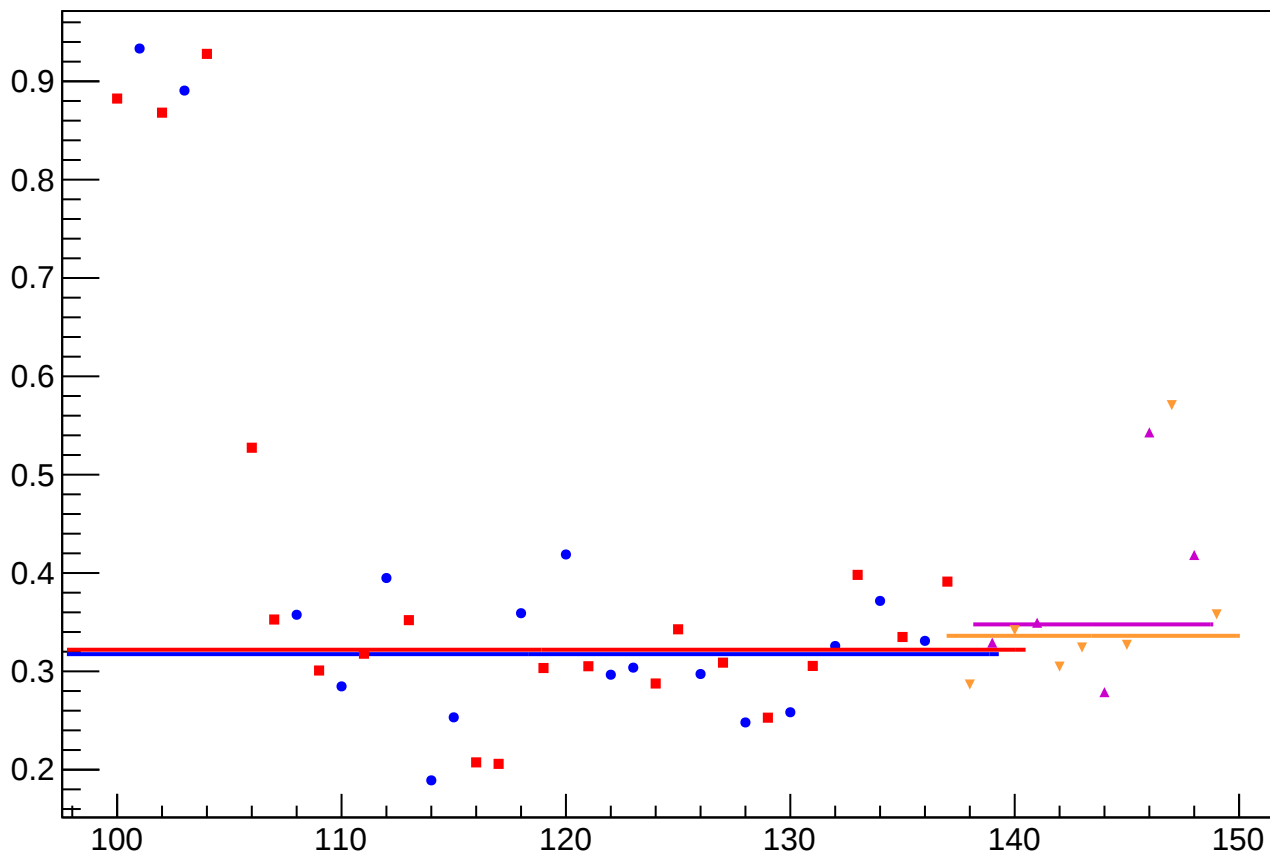
Left In: 148.508 ± 0.000 χ^2/NDF : 2232623.0/4

145.824 ± 0.000 χ^2/NDF : 4245525994.5/23

145.832 ± 0.000 χ^2/NDF : 9398295626.1/24

145.842 ± 0.000 χ^2/NDF : 5152755629.7/24

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1293179.2/16

Left Out: 0.336 $\pm$ 0.000 χ^2 /NDF:308918.5/6

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1243703.4/19

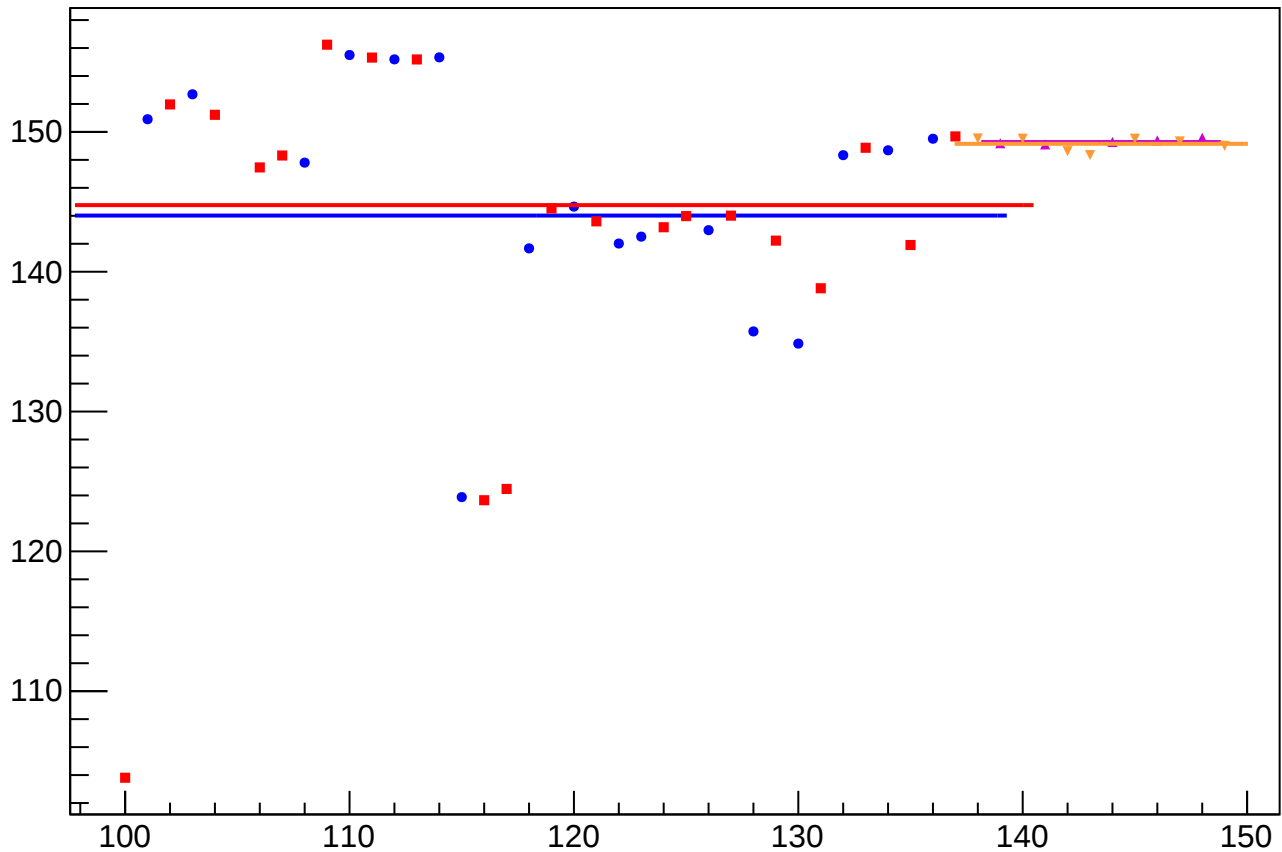
Left In: 0.348 $\pm$ 0.000 χ^2 /NDF:354902.0/4

0.325 $\pm$ 0.000 χ^2 /NDF: 1618446.9/23

0.328 $\pm$ 0.000 χ^2 /NDF: 3246084.0/48

0.331 $\pm$ 0.000 χ^2 /NDF: 1624828.9/24

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.018 $\pm$ 0.000 χ^2 /NDF: 3238525527.6/16

Left Out: 149.150 $\pm$ 0.000 χ^2 /NDF: 7438925.1/6

Right Out: 144.764 $\pm$ 0.000 χ^2 /NDF: 4098462011.9/19

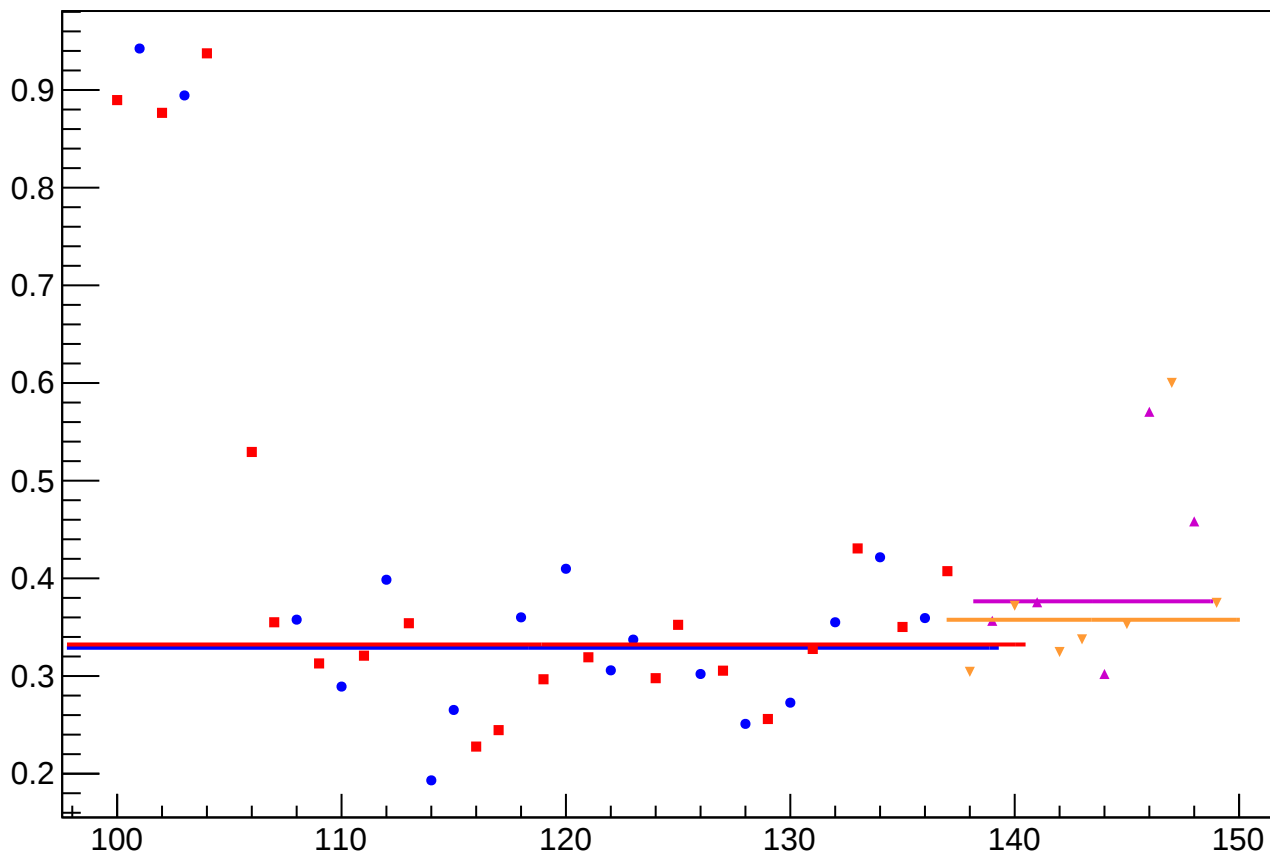
Left In: 149.276 $\pm$ 0.000 χ^2 /NDF: 563122.2/4

146.124 $\pm$ 0.000 χ^2 /NDF: 3801462441.7/23

146.177 $\pm$ 0.000 χ^2 /NDF: 8254970717.0/24

146.235 $\pm$ 0.000 χ^2 /NDF: 4452994791.5/24

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.329 $\pm$ 0.000 χ^2 /NDF: 1276118.3/16

Left Out: 0.358 $\pm$ 0.000 χ^2 /NDF:300401.7/6

Right Out: 0.332 $\pm$ 0.000 χ^2 /NDF: 1191637.2/19

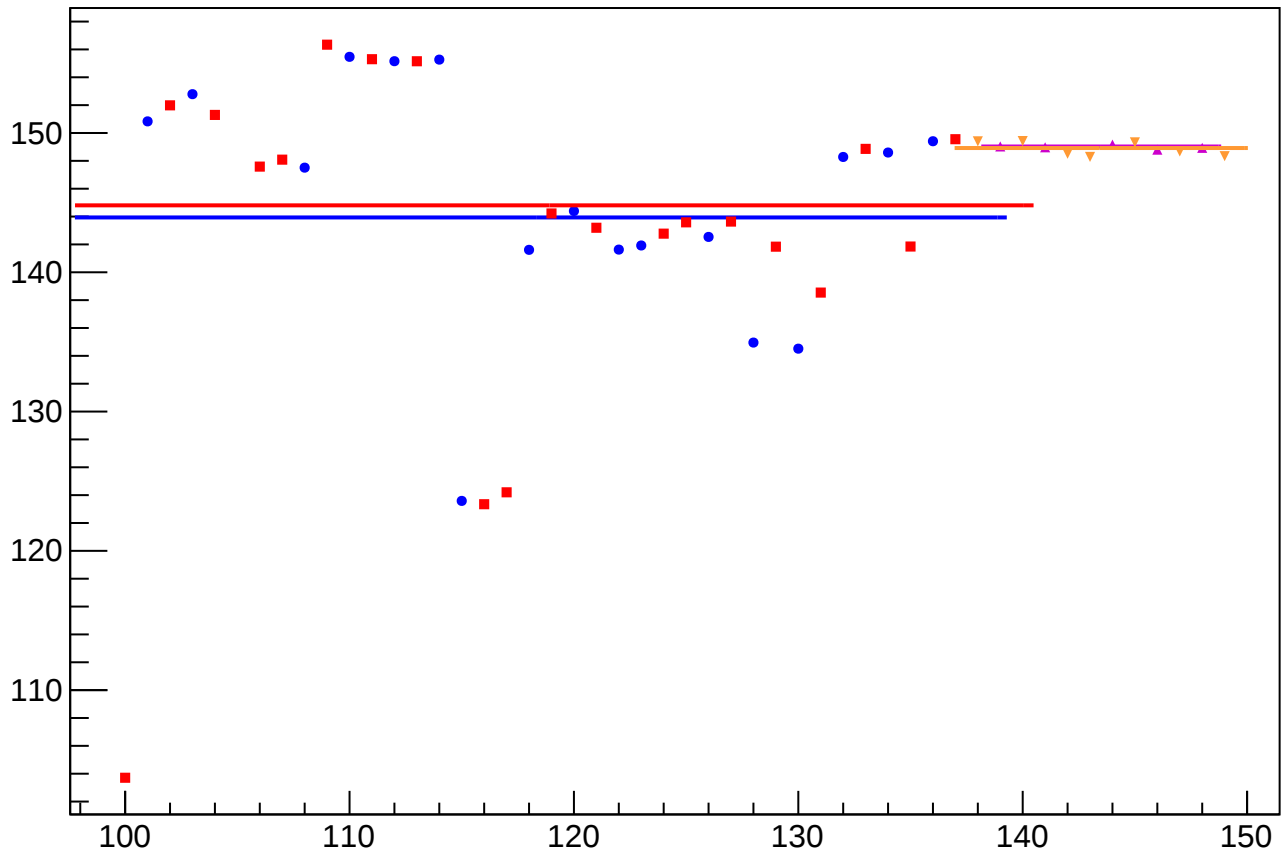
Left In: 0.376 $\pm$ 0.000 χ^2 /NDF:335166.9/4

0.341 $\pm$ 0.000 χ^2 /NDF: 1611132.7/23

0.344 $\pm$ 0.000 χ^2 /NDF: 3208819.4/48

0.347 $\pm$ 0.000 χ^2 /NDF: 1594716.4/24

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

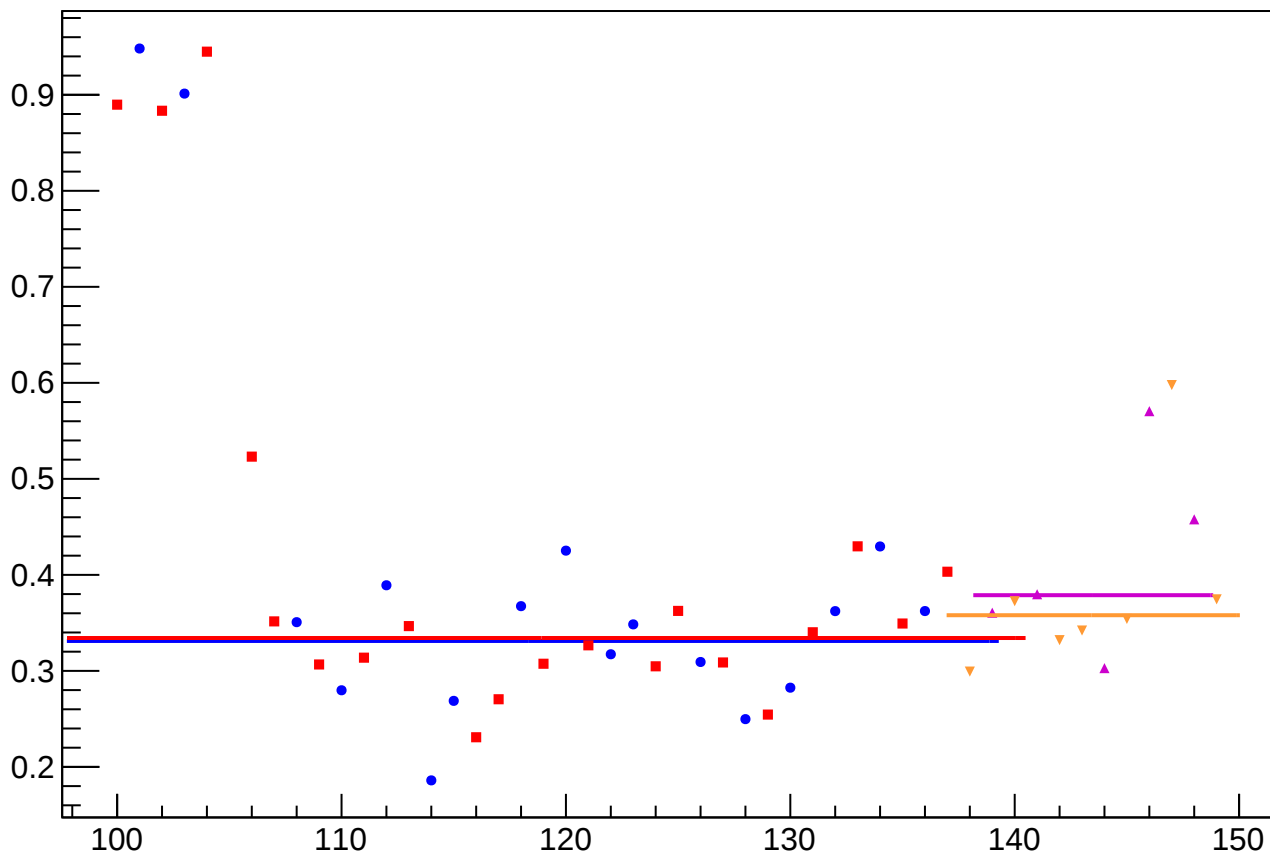
Left In: 149.031 $\pm$ 0.000 χ^2 /NDF: 342091.4/4

145.996 $\pm$ 0.000 χ^2 /NDF: 3906380485.3/23

146.084 $\pm$ 0.000 χ^2 /NDF: 8352850202.9/24

146.181 $\pm$ 0.000 χ^2 /NDF: 4445071091.8/24

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

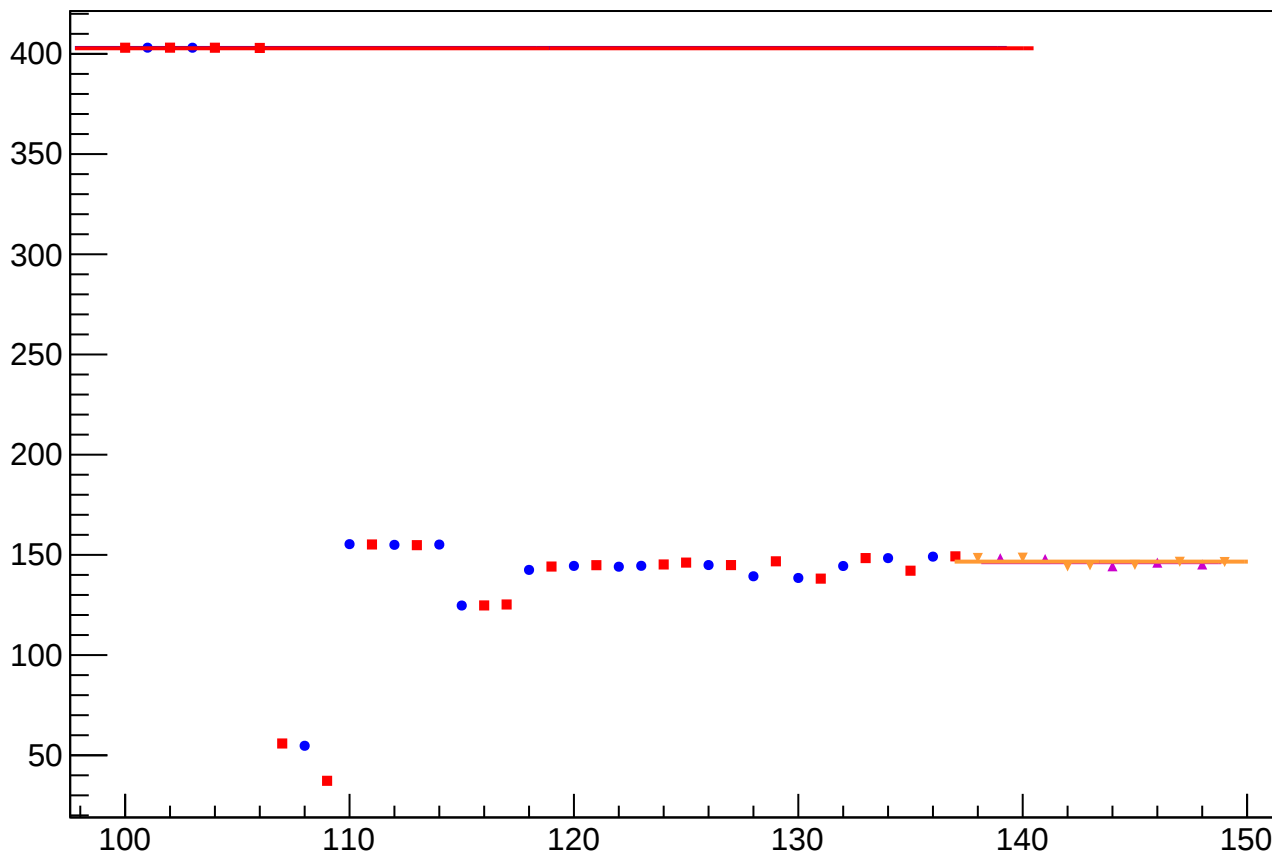
Left In: 0.379+/-0.000 χ^2/NDF : 329068.9/4

0.342+/-0.000 χ^2/NDF : 1627048.1/23

0.345+/-0.000 χ^2/NDF : 3203853.3/48

0.349+/-0.000 χ^2/NDF : 1573340.0/24

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

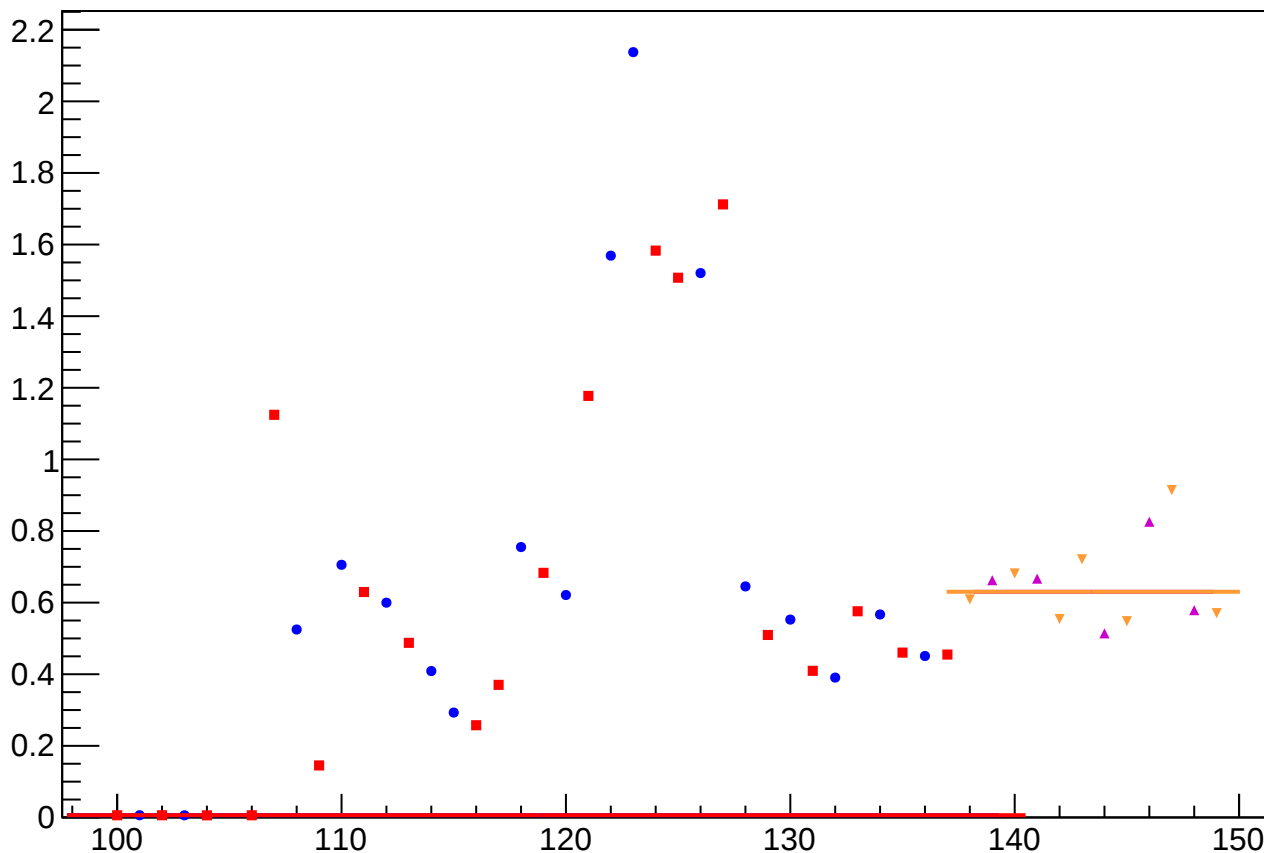
Left In: 146.351+/-0.000 χ^2/NDF : 17548916.6/4

402.891+/-0.000 χ^2/NDF : 1625792248571.0/23

402.815+/-0.000 χ^2/NDF : 518184414512

402.749+/-0.000 χ^2/NDF : 3555717153855.7/24

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

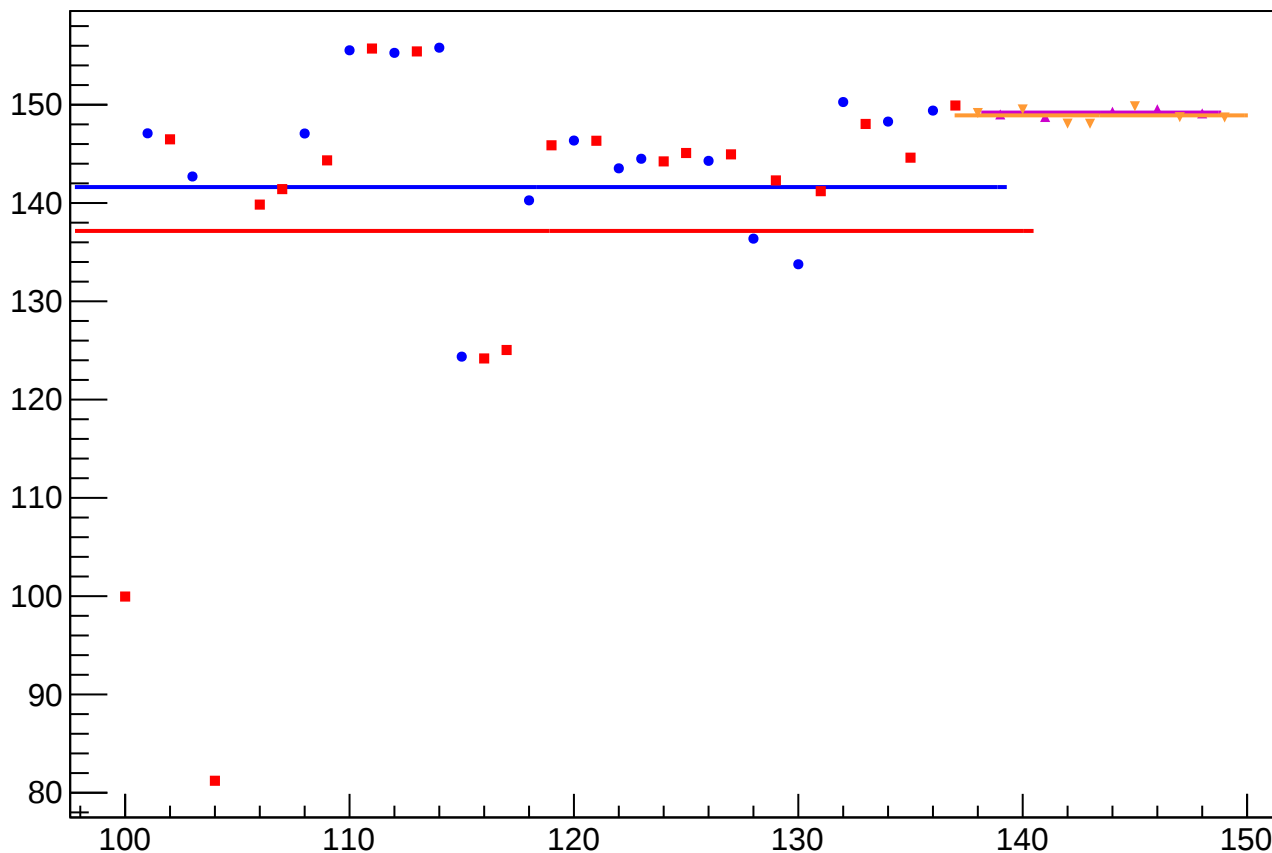
Left In: 0.630+/-0.000 χ^2/NDF :119698.6/4

0.006+/-0.000 χ^2/NDF : 15590255.6/23

0.006+/-0.000 χ^2/NDF : 30109583.9/48

0.006+/-0.000 χ^2/NDF : 14519233.1/24

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.622 $\pm$ 0.000 χ^2 /NDF: 982037737.7/16

Left Out: 148.917 $\pm$ 0.000 χ^2 /NDF: 6722882.3/6

Right Out: 137.160 $\pm$ 0.000 χ^2 /NDF: 1365742338.8/19

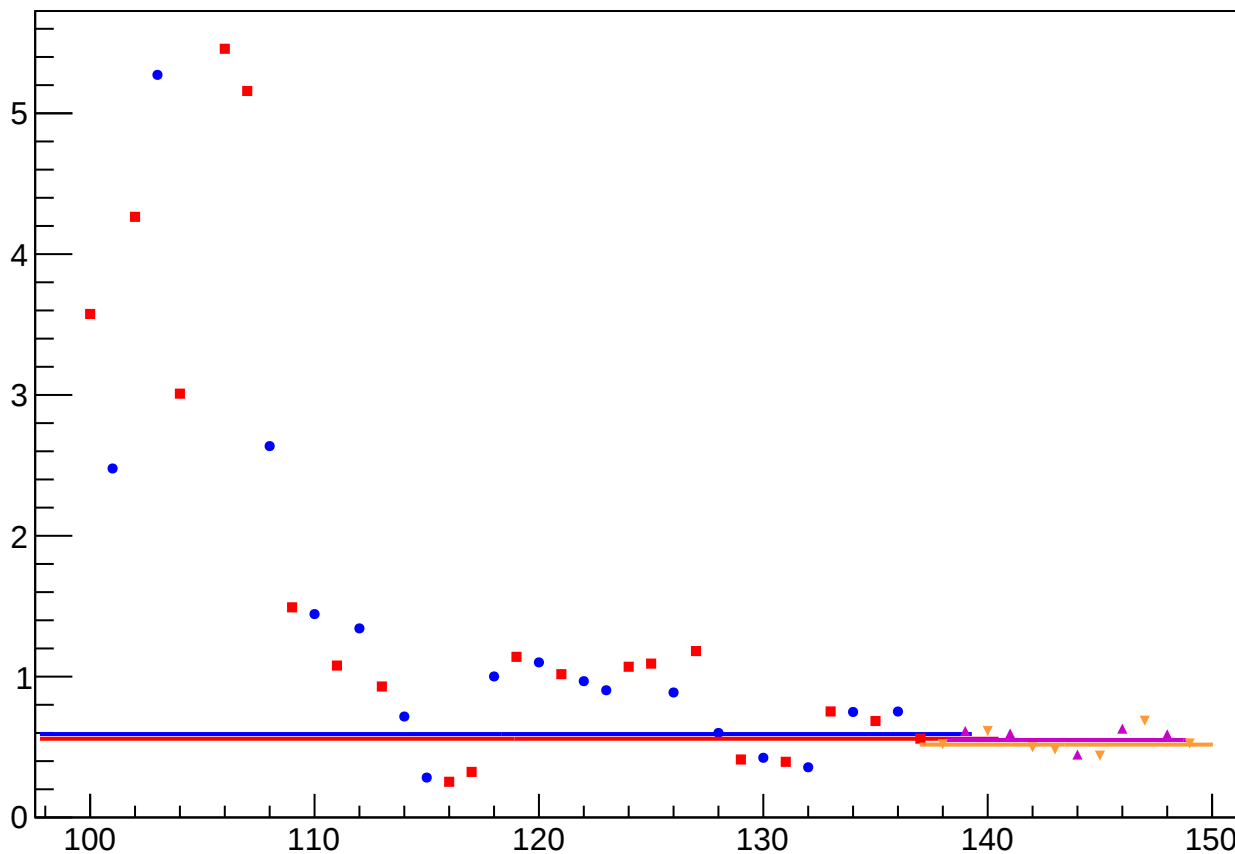
Left In: 149.202 $\pm$ 0.000 χ^2 /NDF: 587511.5/4

145.924 $\pm$ 0.000 χ^2 /NDF: 1306310333.1/23

144.562 $\pm$ 0.000 χ^2 /NDF: 3538733559.6/23

142.976 $\pm$ 0.000 χ^2 /NDF: 2133421715.2/24

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

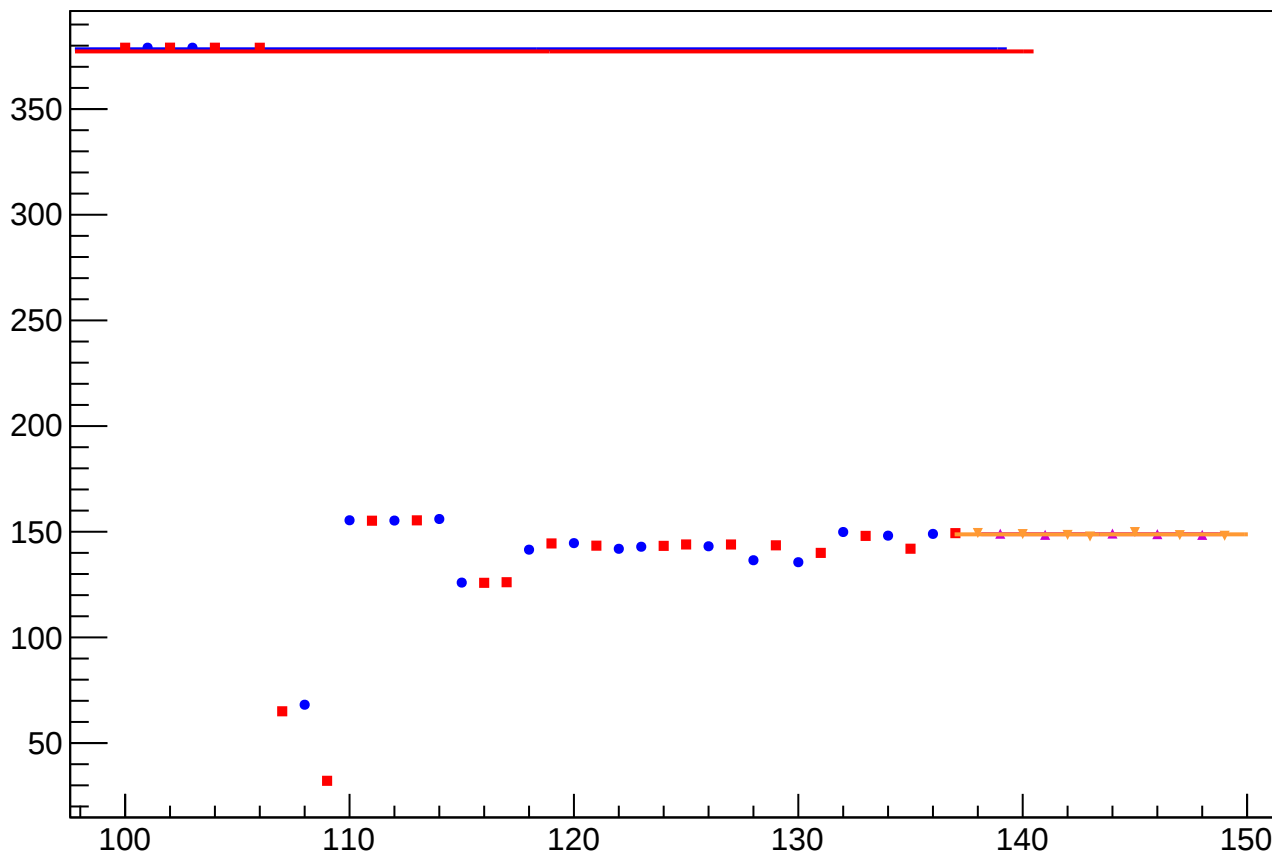
Left In: 0.550+/-0.000 χ^2/NDF : 125920.6/4

0.548+/-0.000 χ^2/NDF : 3751416.7/23

0.551+/-0.000 χ^2/NDF : 8599005.8/48

0.555+/-0.000 χ^2/NDF : 4846584.9/24

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

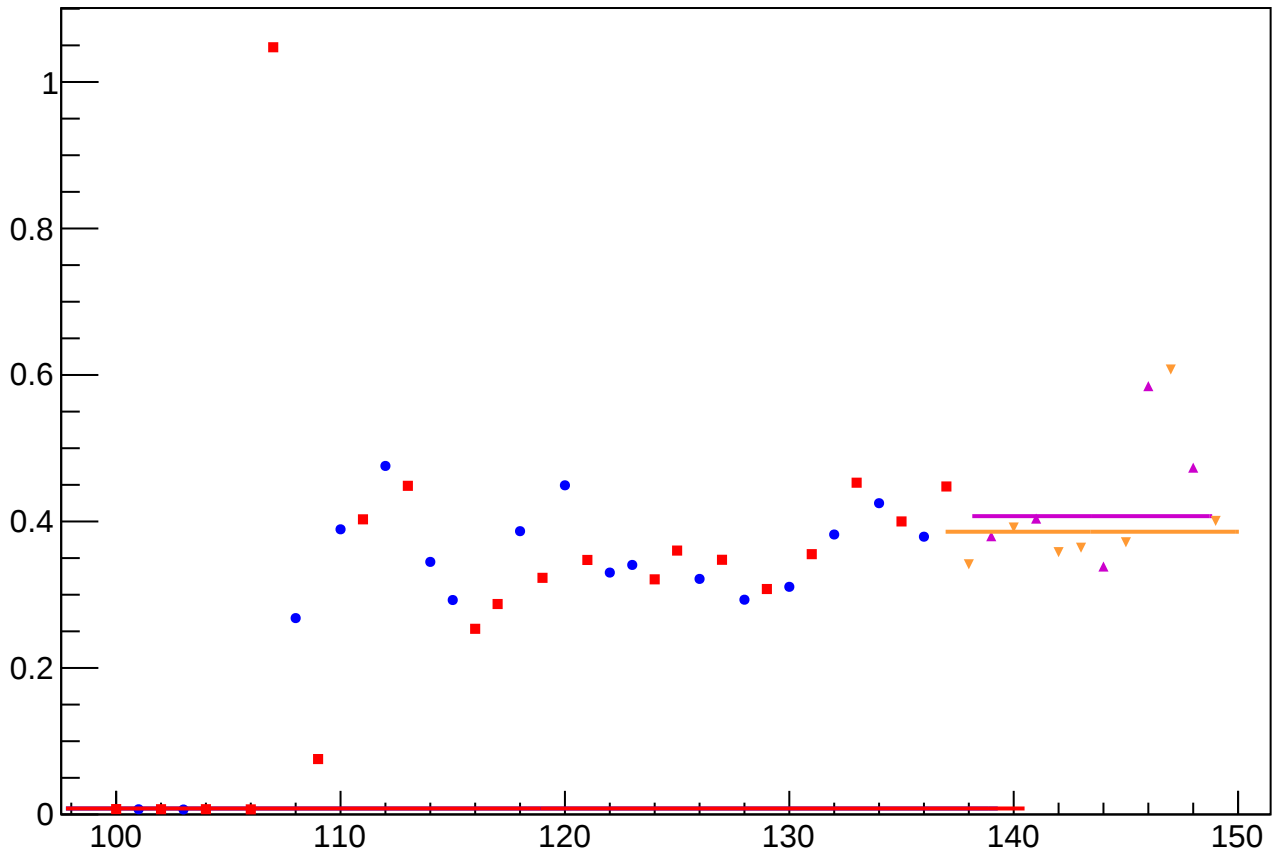
Left In: 148.876+/-0.000 χ^2/NDF : 1664976.8/4

377.741+/-0.000 χ^2/NDF : 4164380471380.9/23

377.316+/-0.000 χ^2/NDF : 136524525609

376.943+/-0.000 χ^2/NDF : 9483543187083.7/24

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

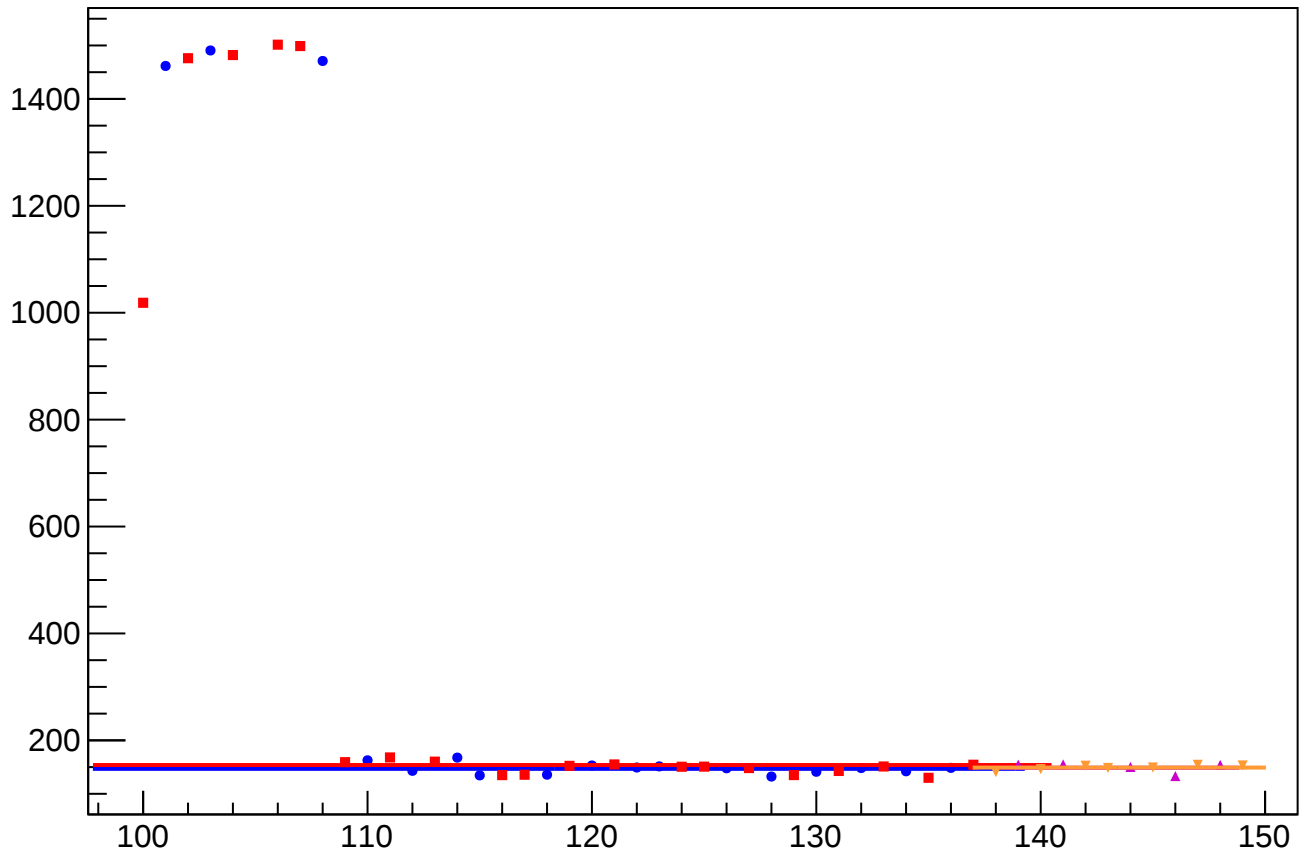
Left In: 0.407 $\pm$ 0.000 χ^2/NDF : 253840.9/4

0.009 $\pm$ 0.000 χ^2/NDF : 19076762.6/23

0.009 $\pm$ 0.000 χ^2/NDF : 36121899.9/48

0.009 $\pm$ 0.000 χ^2/NDF : 17044105.5/24

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

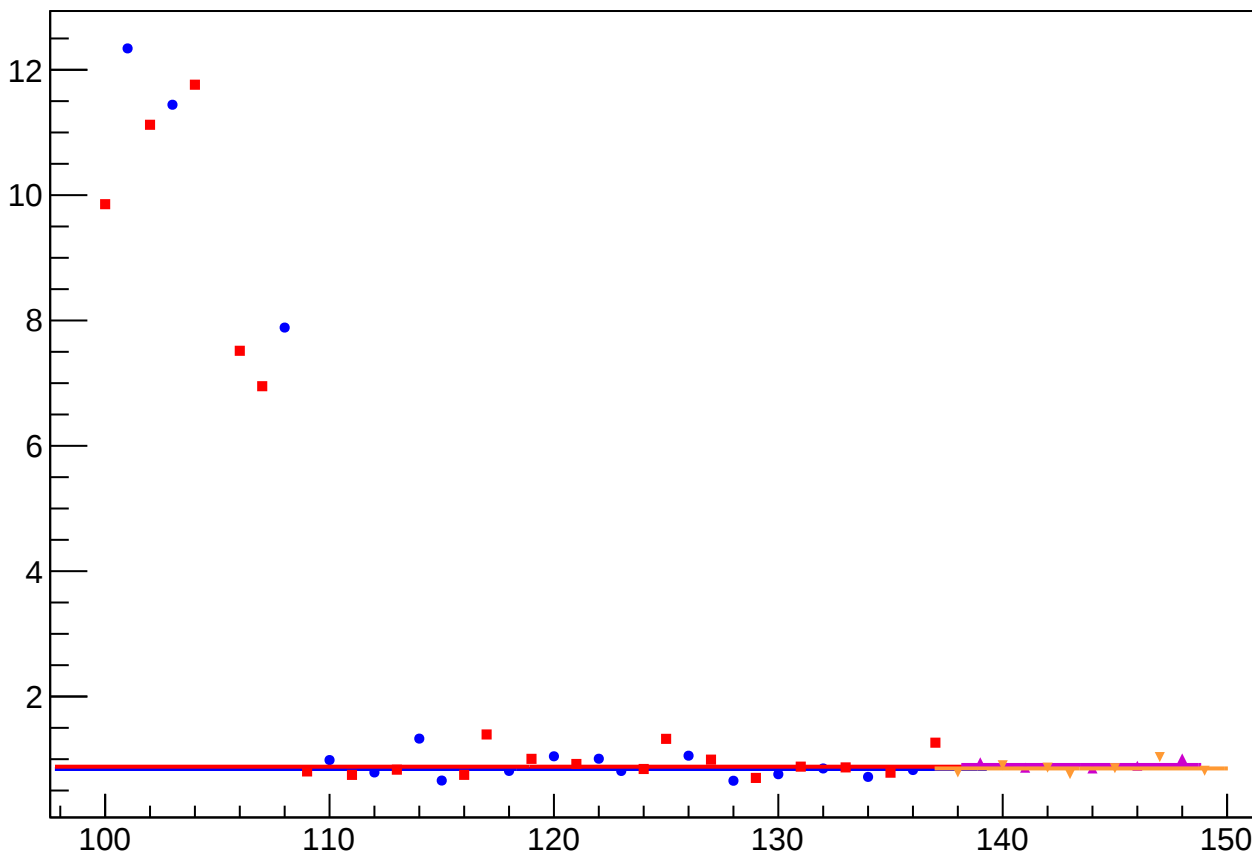
Left In: 148.745+/-0.001 χ^2/NDF : 281733013.5/4

147.876+/-0.000 χ^2/NDF : 24461877434.9/23

149.660+/-0.000 χ^2/NDF : 58616571726.2

151.691+/-0.000 χ^2/NDF : 34083818310.7/24

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.844 $\pm$ 0.000 χ^2 /NDF: 2670470.7/16

Left Out: 0.852 $\pm$ 0.000 χ^2 /NDF:67543.7/6

Right Out: 0.880 $\pm$ 0.000 χ^2 /NDF: 2823230.1/19

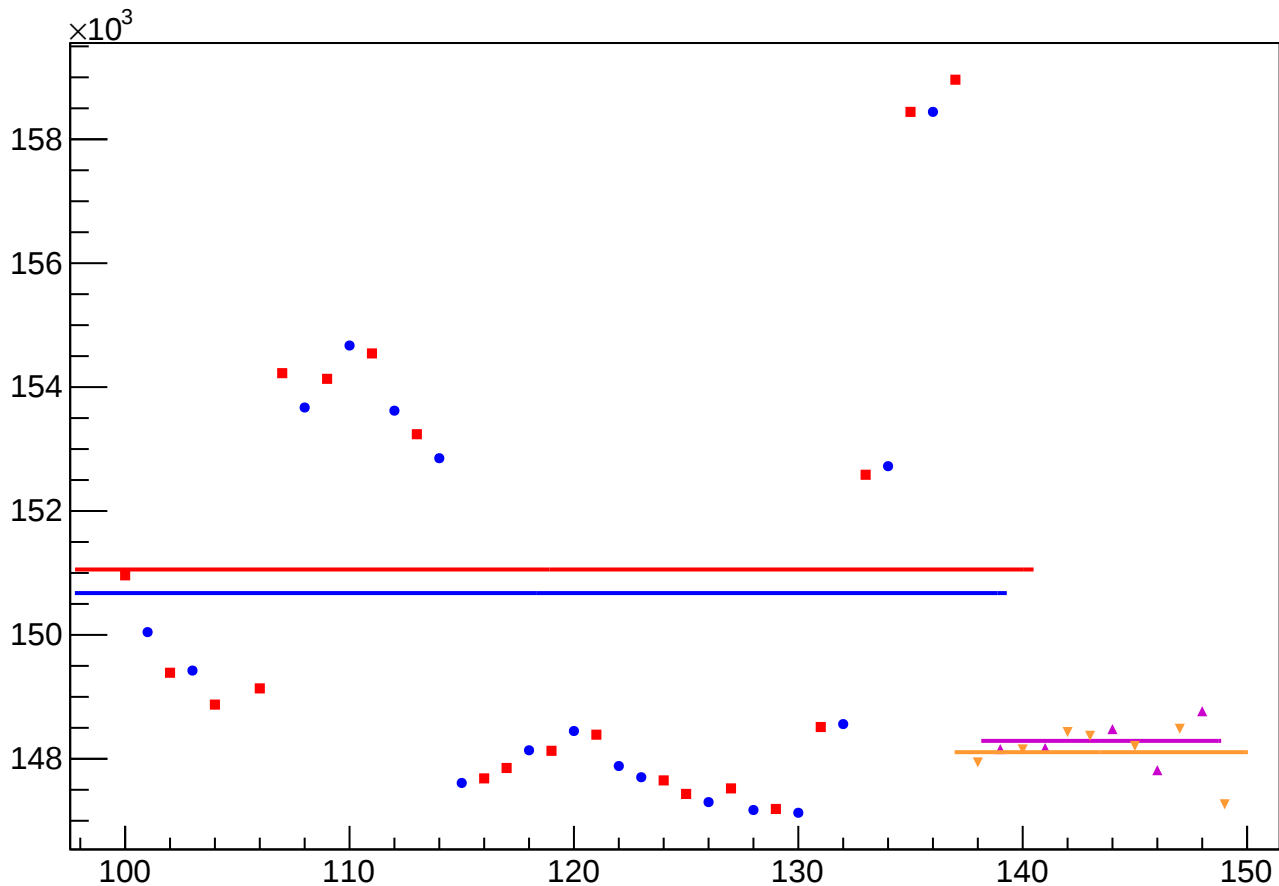
Left In: 0.908 $\pm$ 0.000 χ^2 /NDF:26356.6/4

0.848 $\pm$ 0.000 χ^2 /NDF: 2738409.6/23

0.868 $\pm$ 0.000 χ^2 /NDF: 5610194.0/48

0.892 $\pm$ 0.000 χ^2 /NDF: 2852963.4/24

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

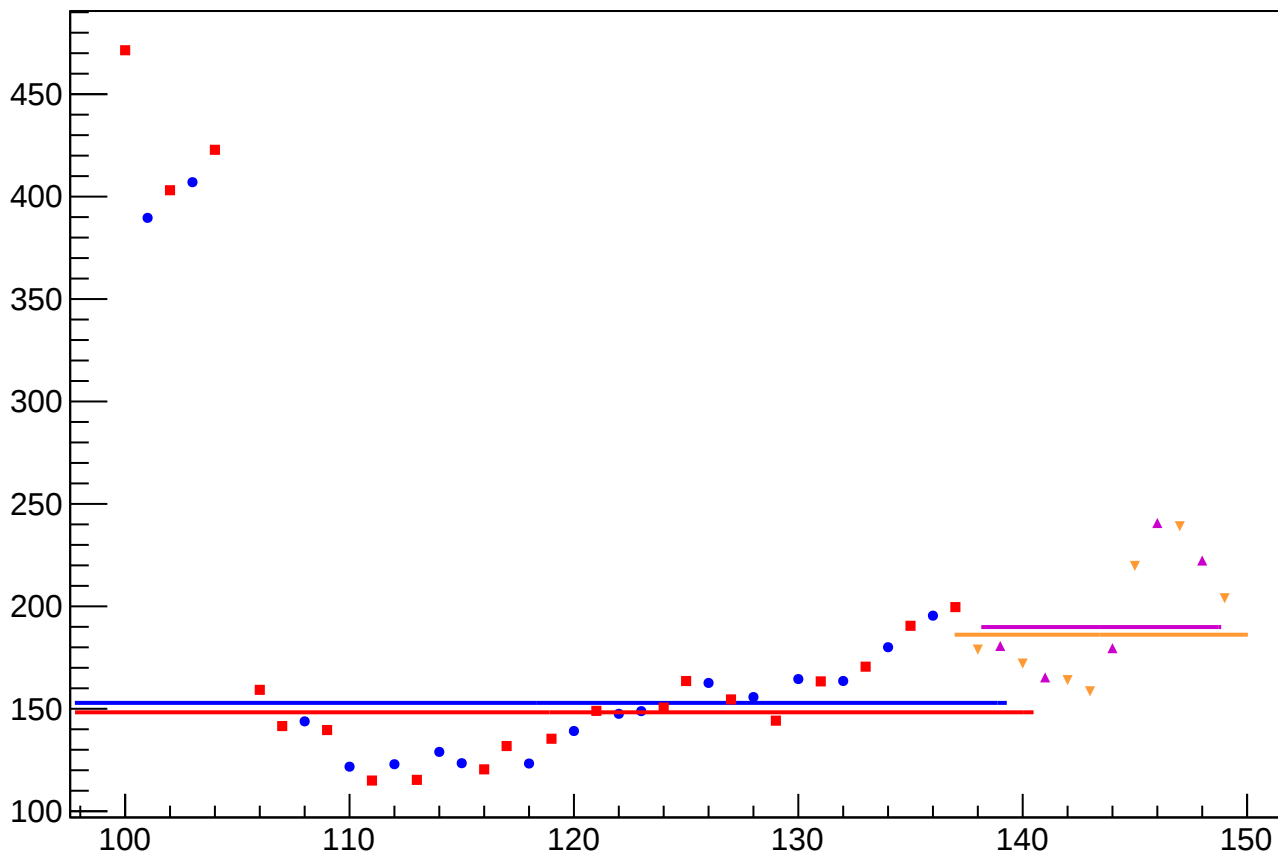
Left In: 148289.568 $\pm$ 0.097 χ^2 /NDF:8468604.8/4

149764.127 $\pm$ 0.051 χ^2 /NDF: 3919958839.0/23

150029.483 $\pm$ 0.036 χ^2 /NDF: 790480450

150295.179 $\pm$ 0.051 χ^2 /NDF: 3929758922.8/24

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 152.883 +/- 0.045 χ^2/NDF : 1154088.7/16

Left Out: 186.162 +/- 0.060 χ^2/NDF : 192093.0/6

Right Out: 148.278 +/- 0.042 χ^2/NDF : 1192879.8/19

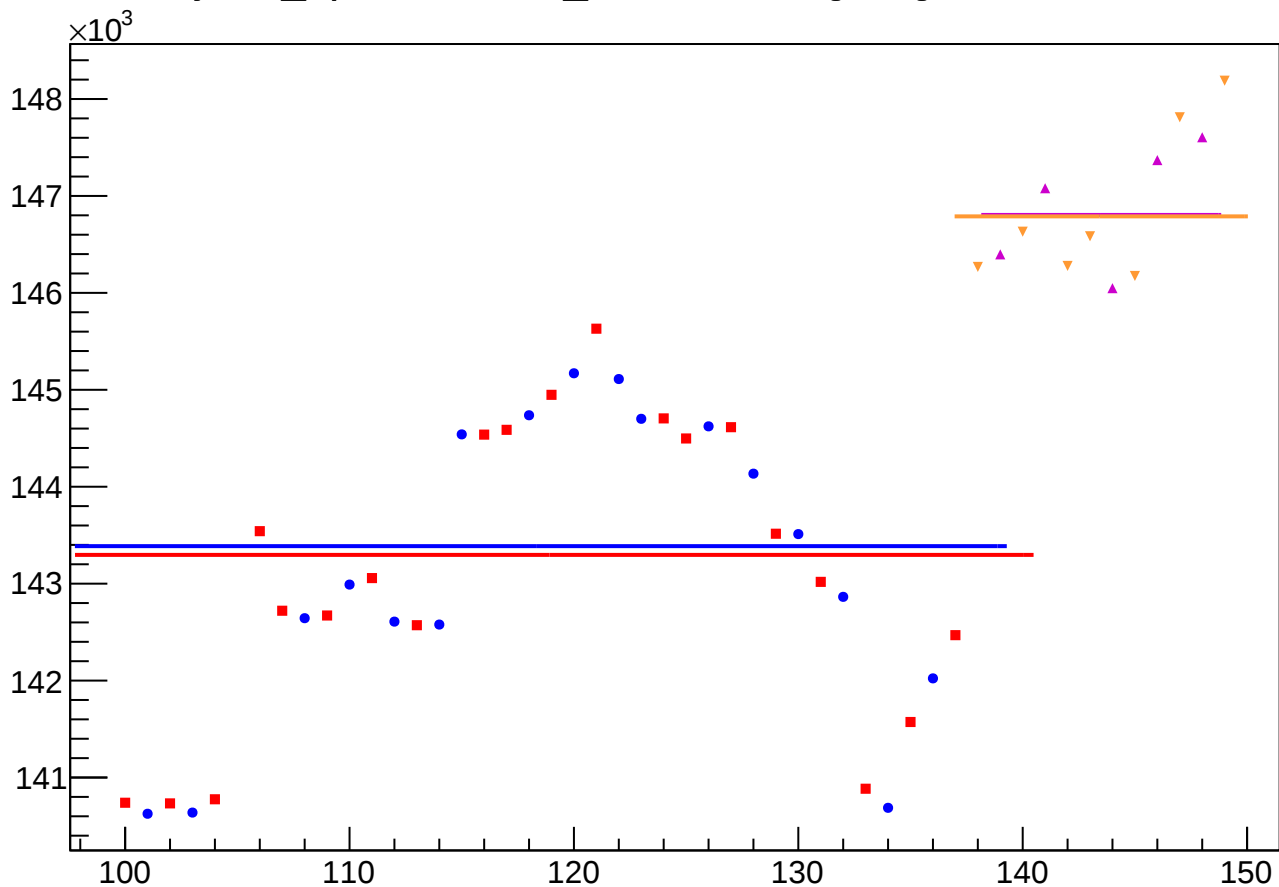
Left In: 189.896 +/- 0.068 χ^2/NDF : 150288.5/4

164.687 +/- 0.036 χ^2/NDF : 1544359.5/23

162.207 +/- 0.025 χ^2/NDF : 3166800.5/48

159.724 +/- 0.036 χ^2/NDF : 1612821.0/24

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 143387.099 $\pm$ 0.053 χ^2 /NDF: 521299875.7/16

Left Out: 146789.160 $\pm$ 0.085 χ^2 /NDF: 67195659.8/6

144330.334 $\pm$ 0.045 χ^2 /NDF: 1742870167.2/23

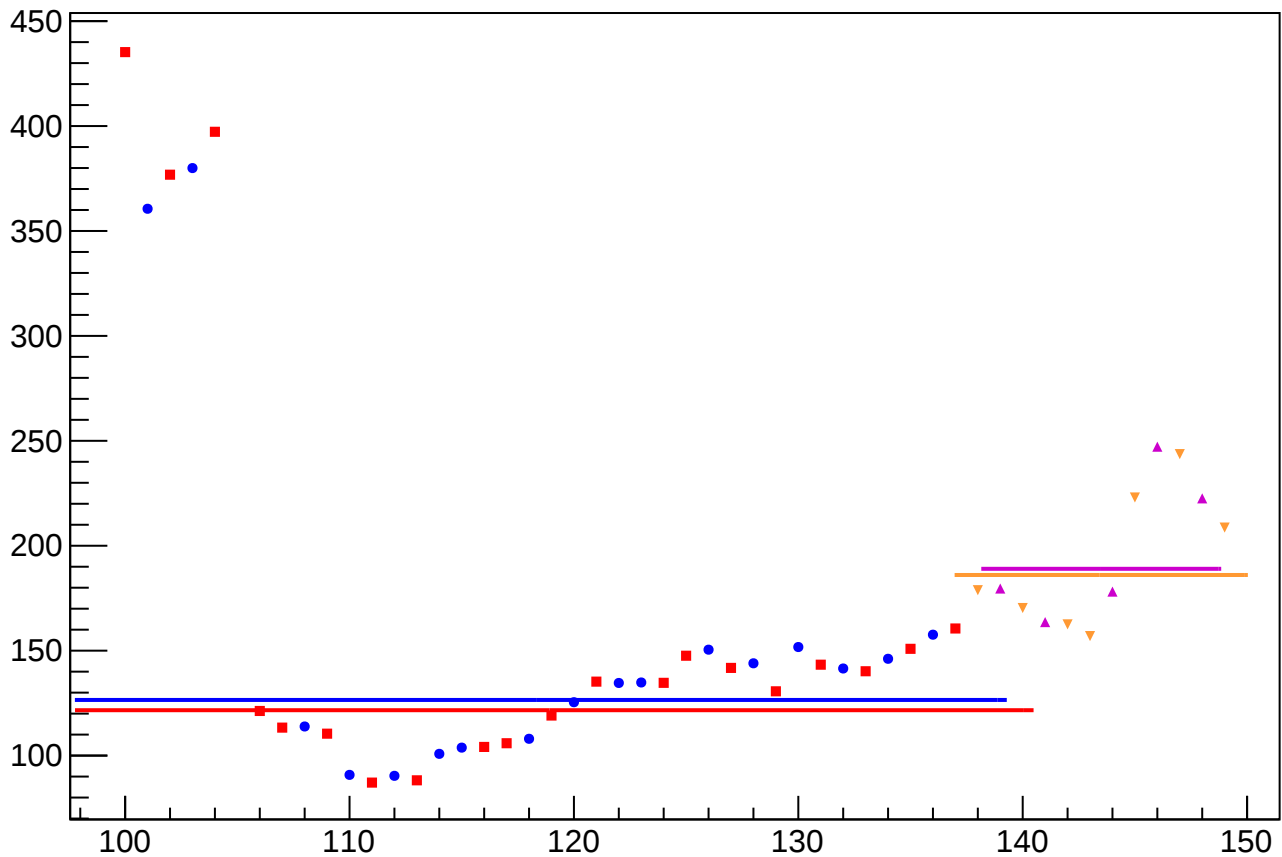
Right Out: 143296.790 $\pm$ 0.049 χ^2 /NDF: 615134284.0/19

144168.147 $\pm$ 0.031 χ^2 /NDF: 347317729

Left In: 146803.997 $\pm$ 0.096 χ^2 /NDF: 35441562.0/4

144014.799 $\pm$ 0.044 χ^2 /NDF: 1704835187.5/24

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 126.514 +/- 0.037 χ^2/NDF : 1441685.0/16

Left Out: 186.064 +/- 0.060 χ^2/NDF : 225197.6/6

Right Out: 121.625 +/- 0.035 χ^2/NDF : 1465763.8/19

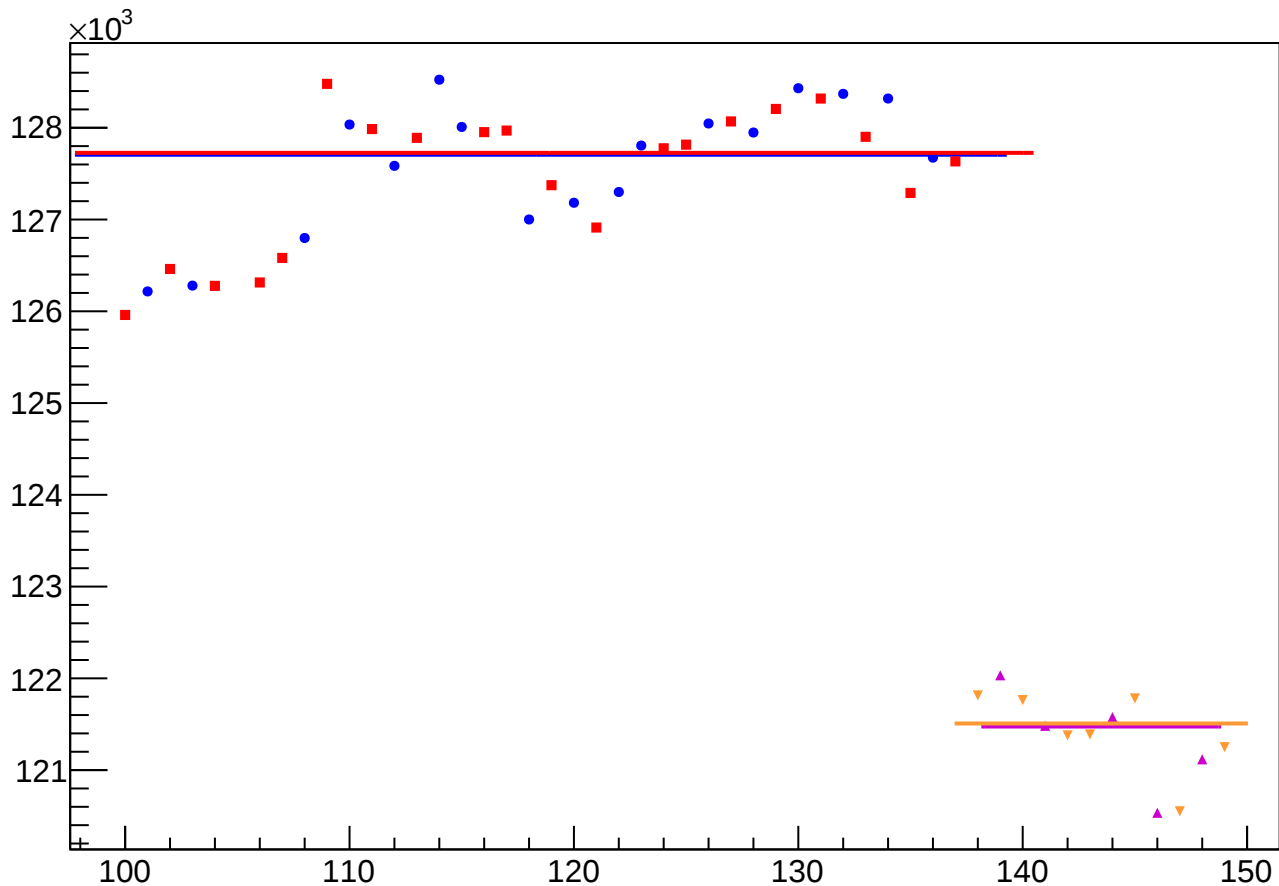
Left In: 189.008 +/- 0.068 χ^2/NDF : 173236.4/4

143.025 +/- 0.032 χ^2/NDF : 2374274.1/23

139.116 +/- 0.022 χ^2/NDF : 4821160.8/48

135.420 +/- 0.031 χ^2/NDF : 2417297.8/24

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

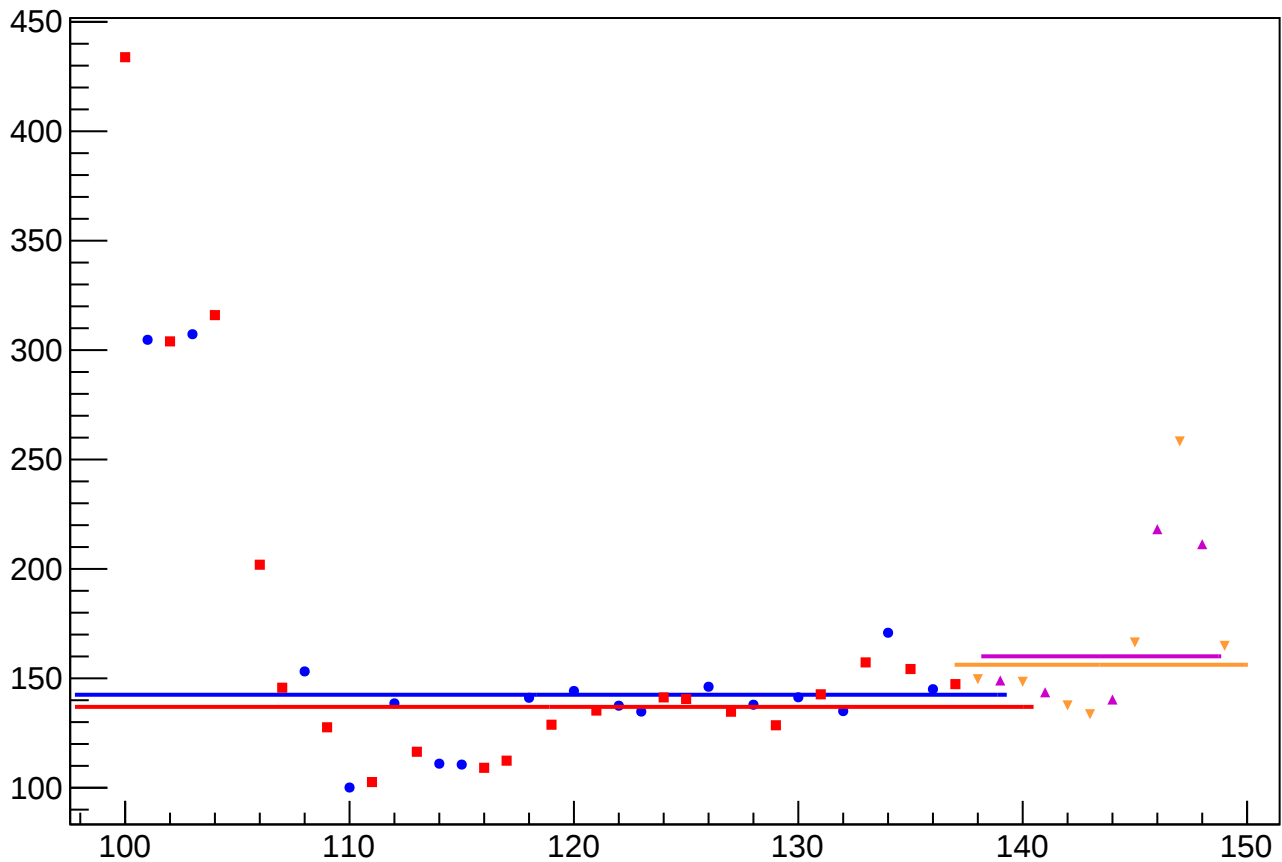
Left In: 121475.018 $\pm$ 0.083 χ^2 /NDF: 26465265.1/4

125285.519 $\pm$ 0.045 χ^2 /NDF: 4569331720.5/23

125563.149 $\pm$ 0.032 χ^2 /NDF: 878890640

125840.940 $\pm$ 0.045 χ^2 /NDF: 4144515597.4/24

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

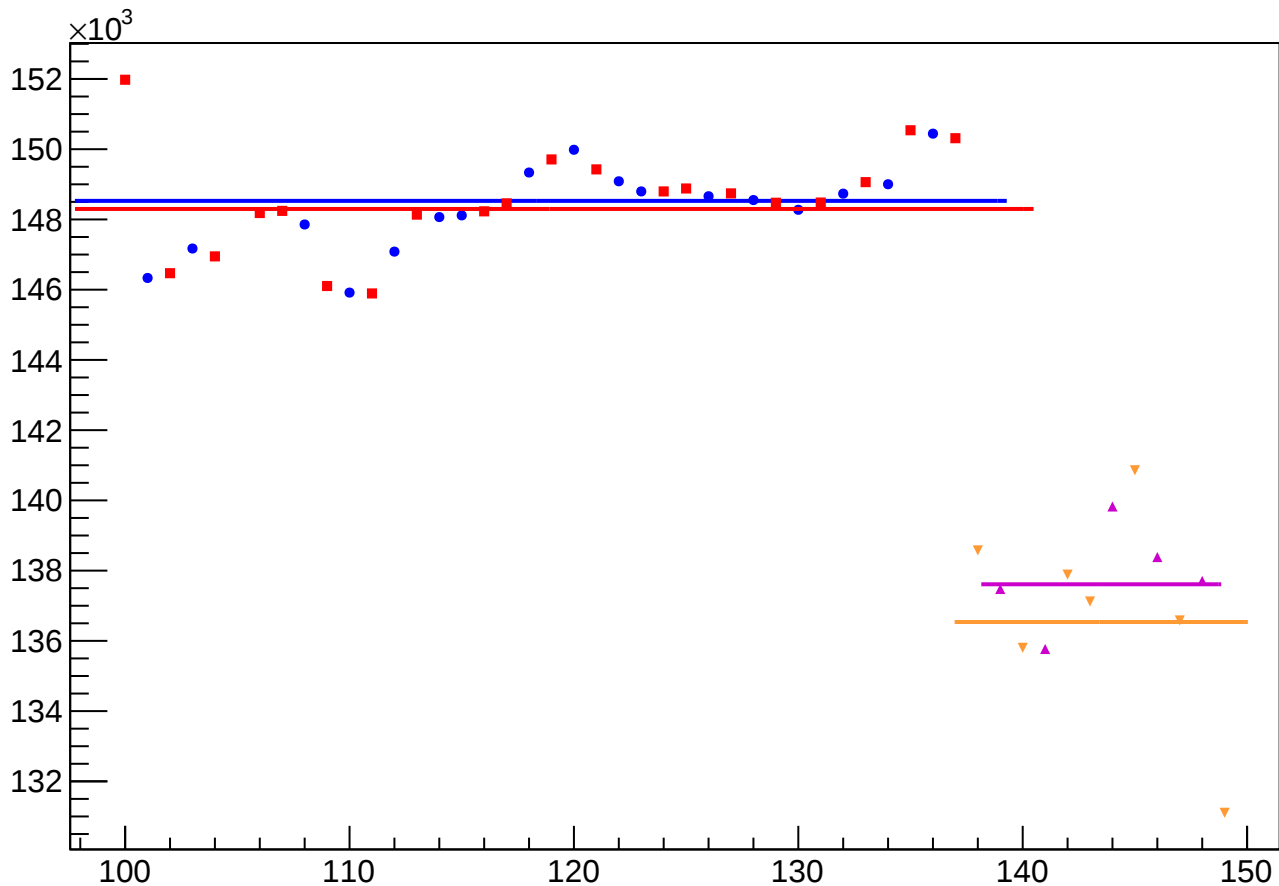
Left In: 160.065 +/- 0.058 χ^2/NDF : 263398.8/4

147.856 +/- 0.032 χ^2/NDF : 1188661.5/23

145.894 +/- 0.023 χ^2/NDF : 2530400.9/48

143.932 +/- 0.032 χ^2/NDF : 1334246.9/24

yield_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 148528.851 ± 0.082 $\chi^2/\text{NDF}: 209986594.2/16$

Left Out: 136537.073 ± 0.108 $\chi^2/\text{NDF}: 710492766.3/6$

Right Out: 148298.586 ± 0.076 $\chi^2/\text{NDF}: 293284830.9/19$

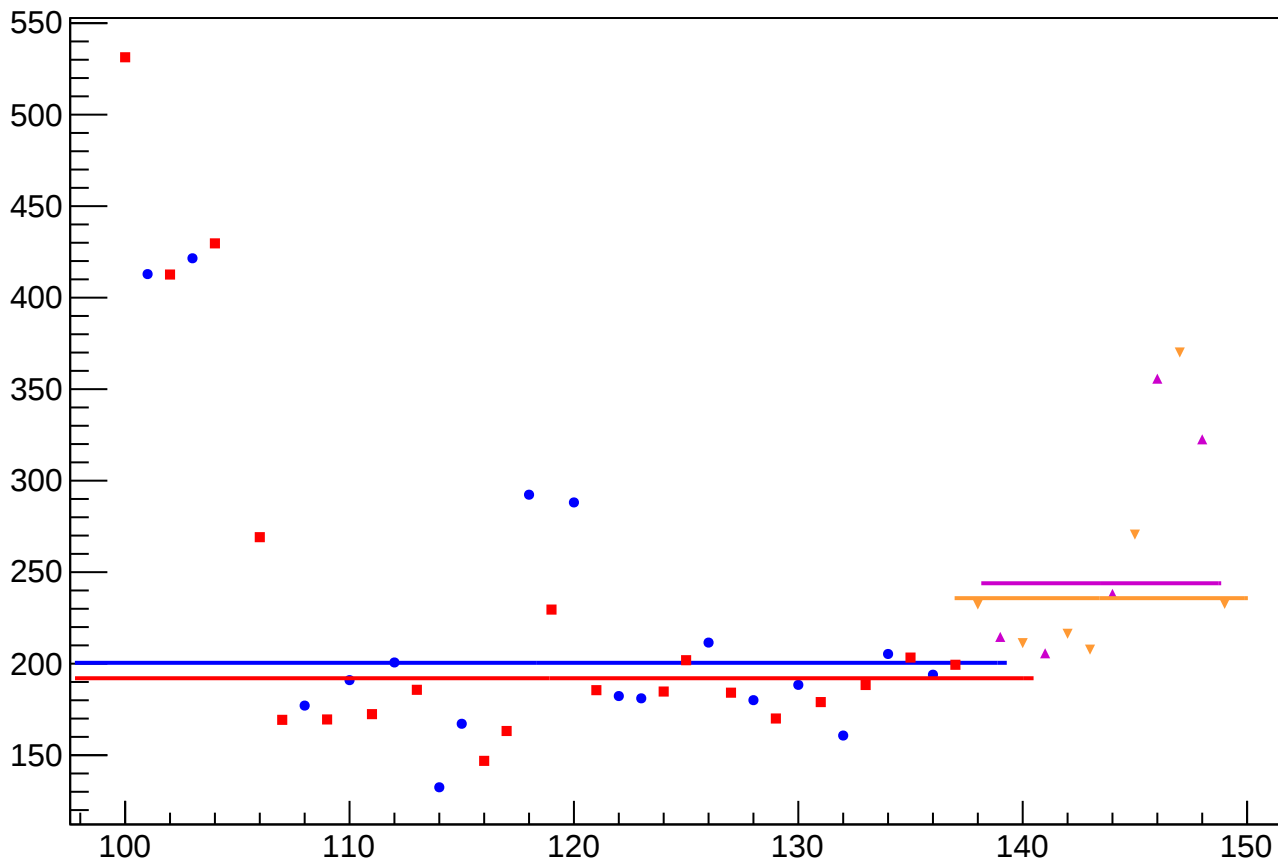
Left In: 137611.470 ± 0.126 $\chi^2/\text{NDF}: 144389478.4/4$

144164.486 ± 0.065 $\chi^2/\text{NDF}: 8690601738.7/23$

144808.366 ± 0.046 $\chi^2/\text{NDF}: 145904384$

145445.792 ± 0.065 $\chi^2/\text{NDF}: 5707267340.6/24$

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 200.472 +/- 0.058 χ^2/NDF : 936547.2/16

Left Out: 235.798 +/- 0.077 χ^2/NDF : 280212.5/6

Right Out: 192.040 +/- 0.054 χ^2/NDF : 847133.0/19

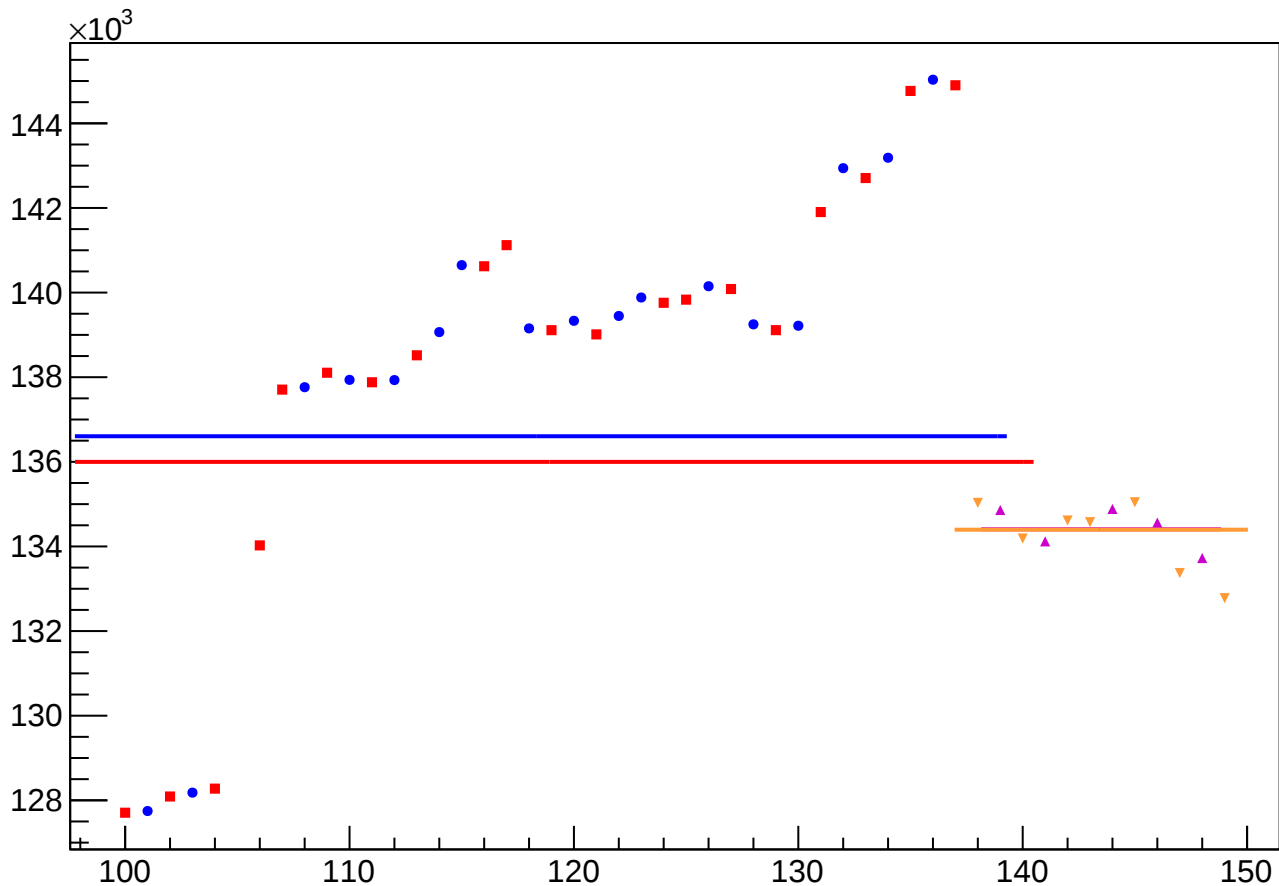
Left In: 243.939 +/- 0.089 χ^2/NDF : 329625.5/4

213.329 +/- 0.046 χ^2/NDF : 1351615.9/23

209.593 +/- 0.033 χ^2/NDF : 2789880.9/48

205.894 +/- 0.046 χ^2/NDF : 1425297.4/24

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

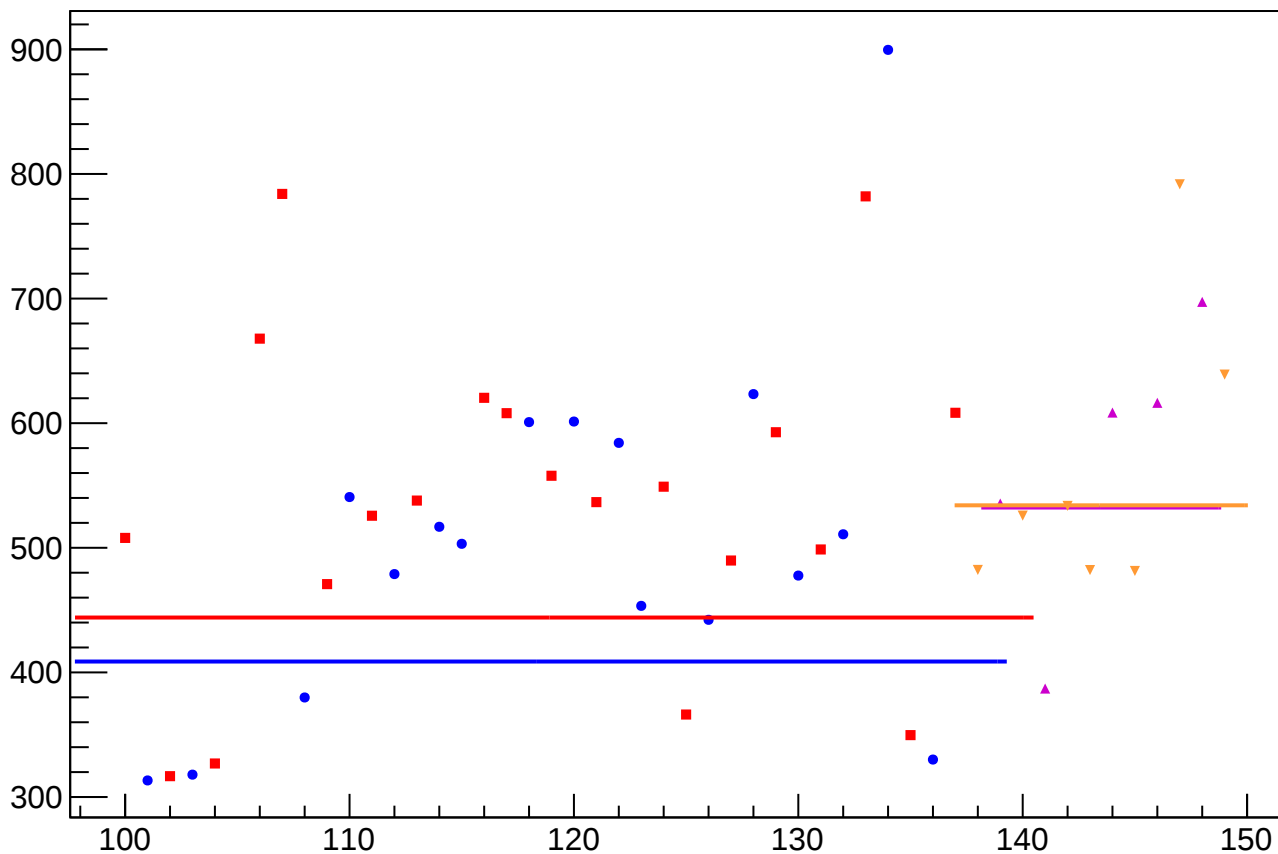
Left In: 134406.073 $\pm$ 0.295 χ^2 /NDF: 1939103.8/4

135905.381 $\pm$ 0.142 χ^2 /NDF: 1555711156.8/23

135747.902 $\pm$ 0.105 χ^2 /NDF: 266631514

135559.084 $\pm$ 0.155 χ^2 /NDF: 1107888988.8/24

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 408.729 $\pm$ 0.121 χ^2 /NDF: 823262.8/16

Left Out: 534.087 $\pm$ 0.178 χ^2 /NDF:236326.9/6

Right Out: 444.034 $\pm$ 0.129 χ^2 /NDF: 922545.8/19

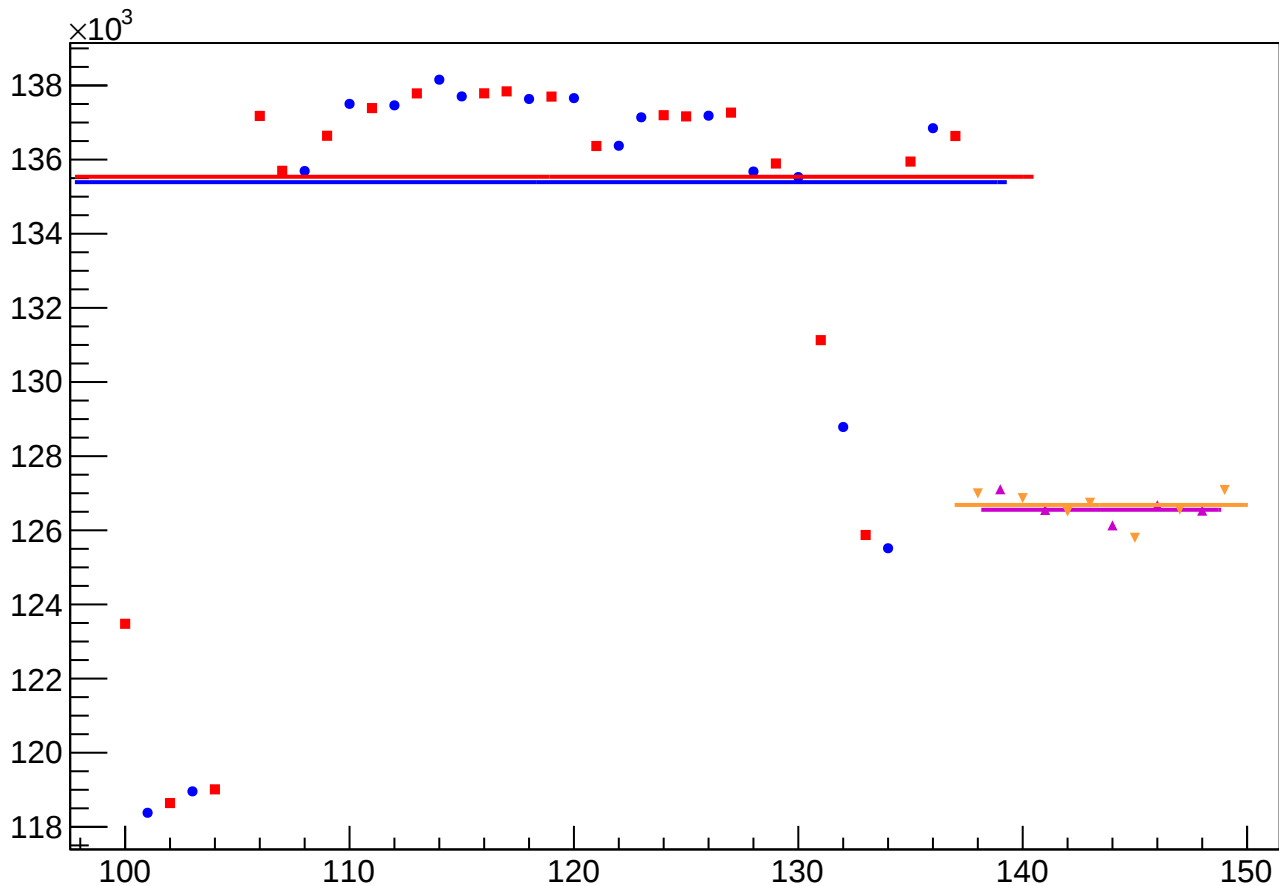
Left In: 532.302 $\pm$ 0.209 χ^2 /NDF:304362.7/4

448.415 $\pm$ 0.100 χ^2 /NDF: 1398121.4/23

457.506 $\pm$ 0.074 χ^2 /NDF: 2772440.5/48

468.405 $\pm$ 0.110 χ^2 /NDF: 1356226.8/24

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

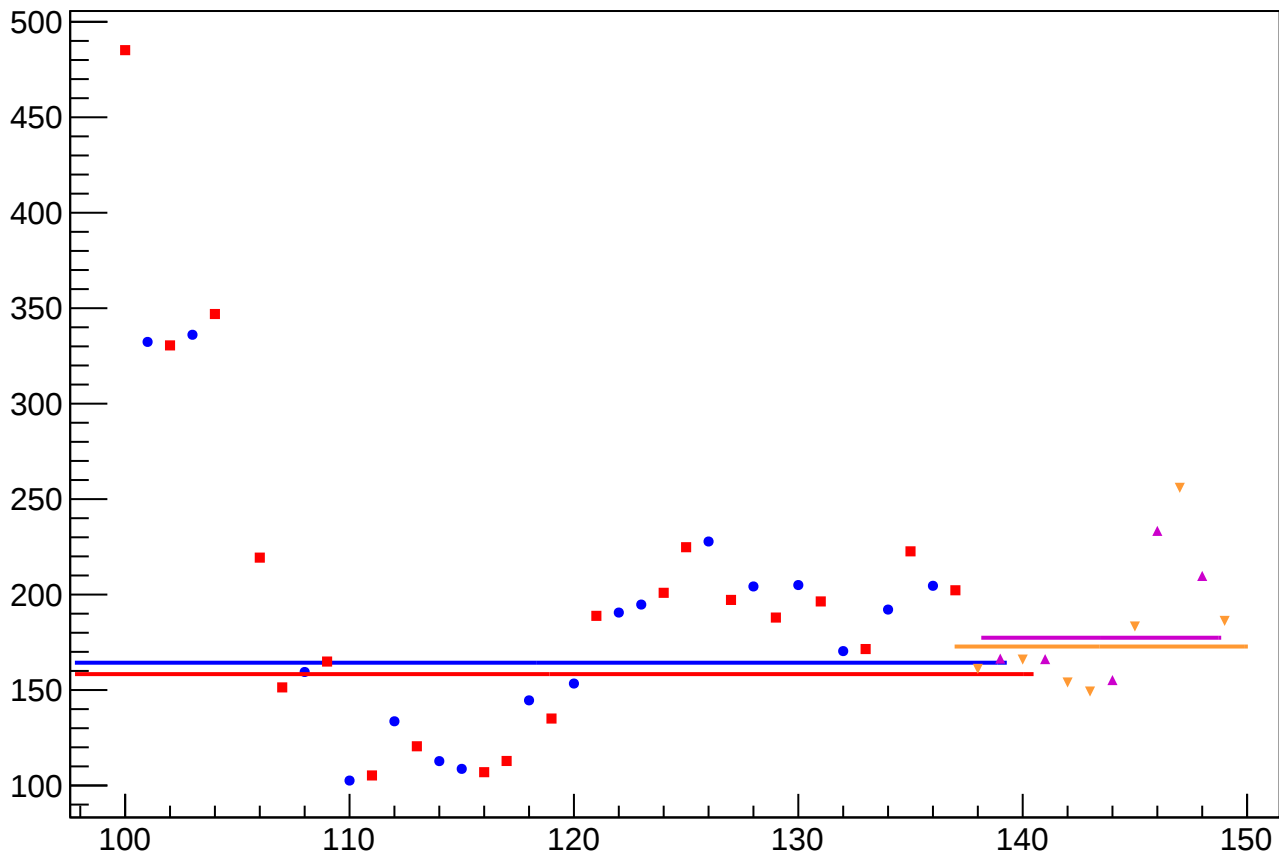
Left In: 126553.642 $\pm$ 0.091 χ^2 /NDF: 13868252.6/4

131685.742 $\pm$ 0.052 χ^2 /NDF: 11529961251.8/2

132113.470 $\pm$ 0.037 χ^2 /NDF: 229956385

132549.527 $\pm$ 0.052 χ^2 /NDF: 11327647518.2/2

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

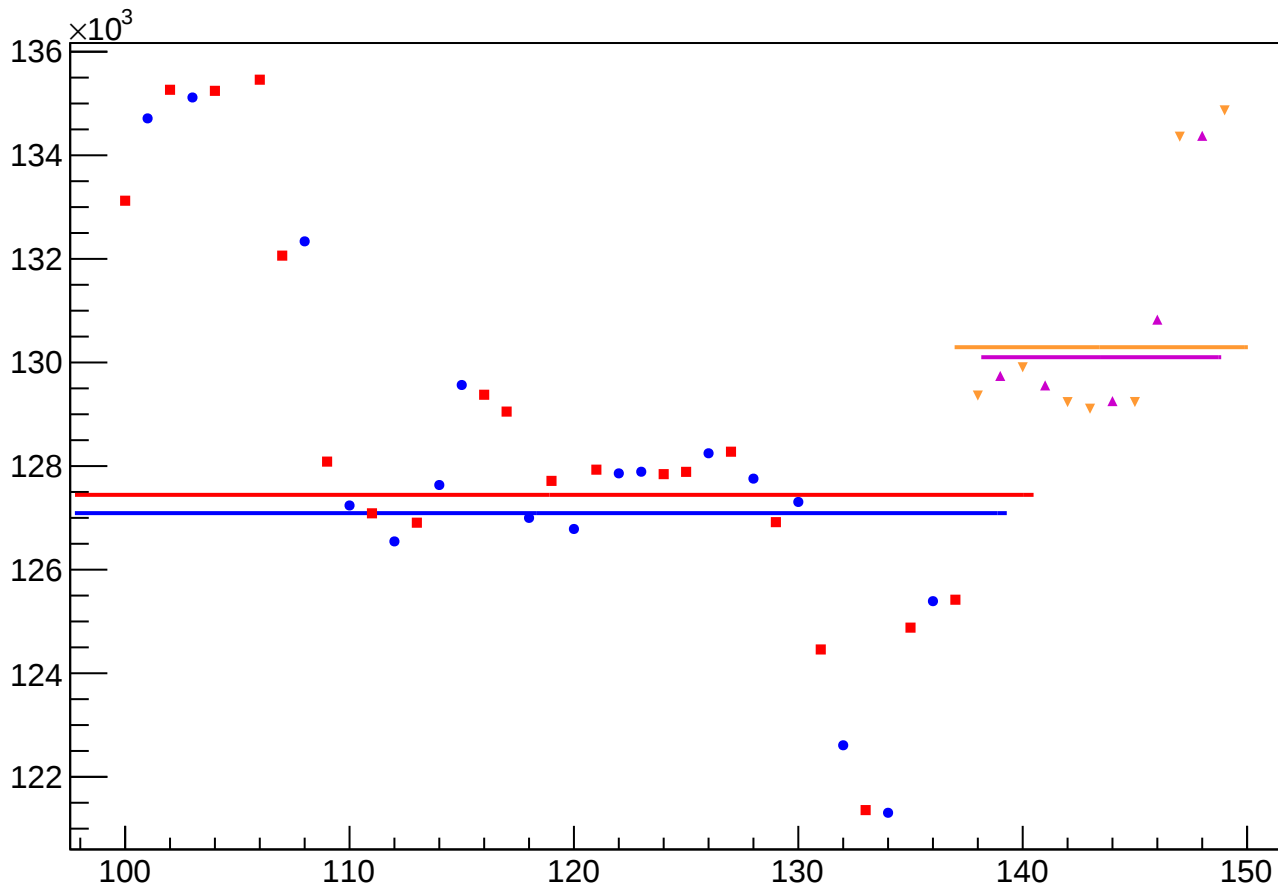
Left In: 177.393+/-0.064 χ^2/NDF : 175416.4/4

167.917+/-0.037 χ^2/NDF : 1475682.7/23

166.311+/-0.026 χ^2/NDF : 3112393.1/48

164.674+/-0.037 χ^2/NDF : 1632819.9/24

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

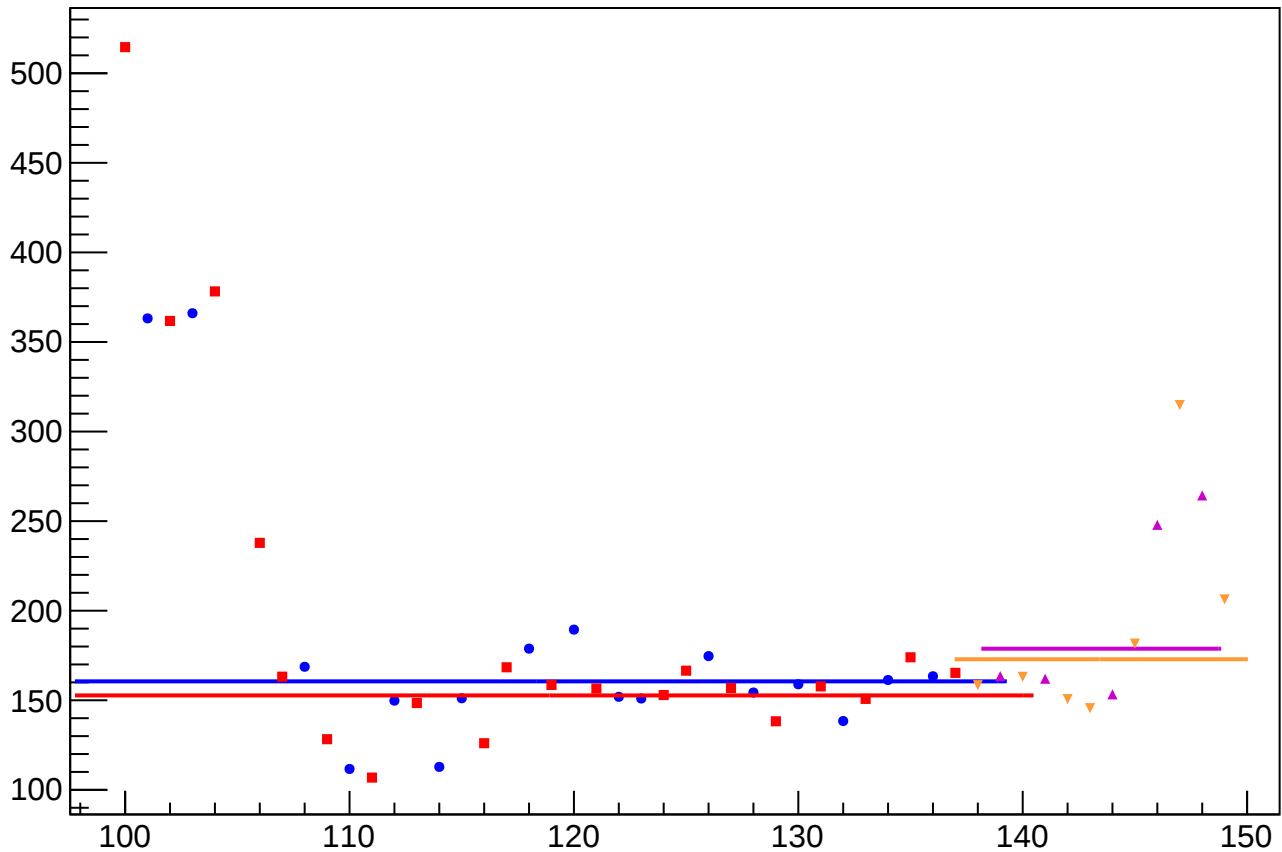
Left In: 130101.847 $\pm$ 0.093 χ^2 /NDF: 248628767.4/4

128388.184 $\pm$ 0.051 χ^2 /NDF: 3299133708.7/23

128322.422 $\pm$ 0.036 χ^2 /NDF: 620649286

128256.667 $\pm$ 0.051 χ^2 /NDF: 2904053983.3/24

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 160.564+/-0.047 χ^2/NDF : 942747.0/16

Left Out: 172.911+/-0.057 χ^2/NDF : 440105.1/6

Right Out: 152.711+/-0.043 χ^2/NDF : 1087186.3/19

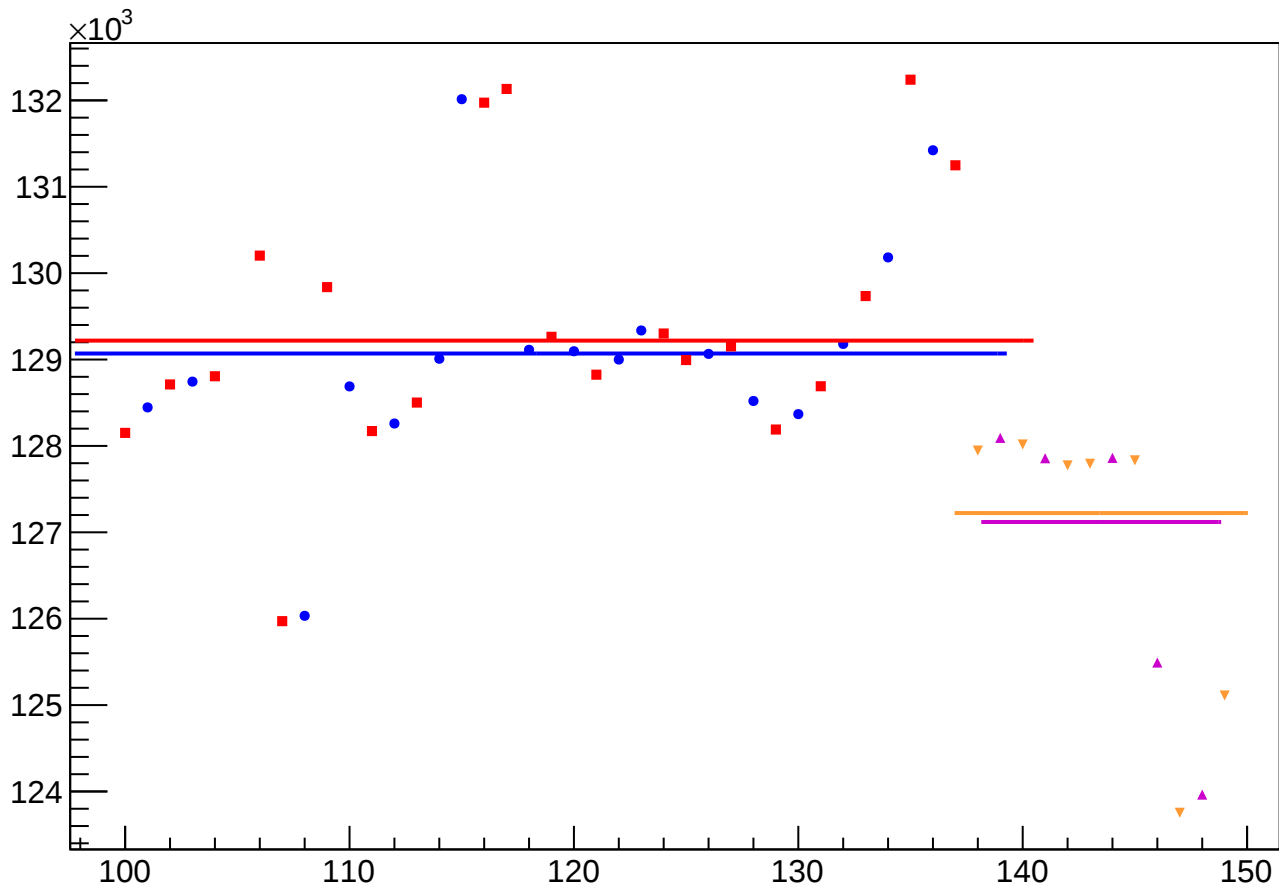
Left In: 178.791+/-0.065 χ^2/NDF : 361221.5/4

165.562+/-0.036 χ^2/NDF : 1410925.6/23

163.122+/-0.026 χ^2/NDF : 2978778.5/48

160.682+/-0.036 χ^2/NDF : 1558751.5/24

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

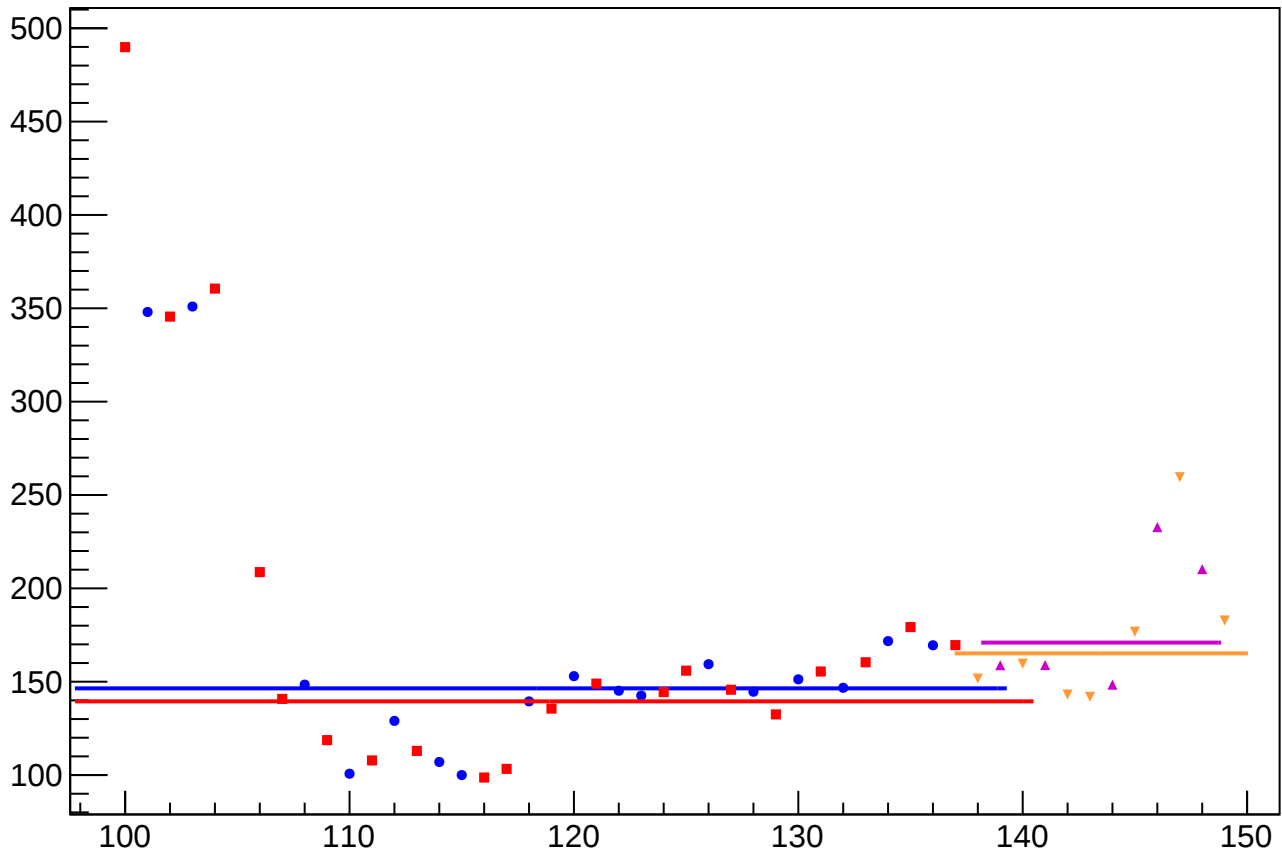
Left In: 127119.503 $\pm$ 0.088 χ^2 /NDF: 277747958.8/4

128358.626 $\pm$ 0.047 χ^2 /NDF: 1145214047.3/23

128486.698 $\pm$ 0.033 χ^2 /NDF: 250712175

128613.889 $\pm$ 0.047 χ^2 /NDF: 1347224343.7/24

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

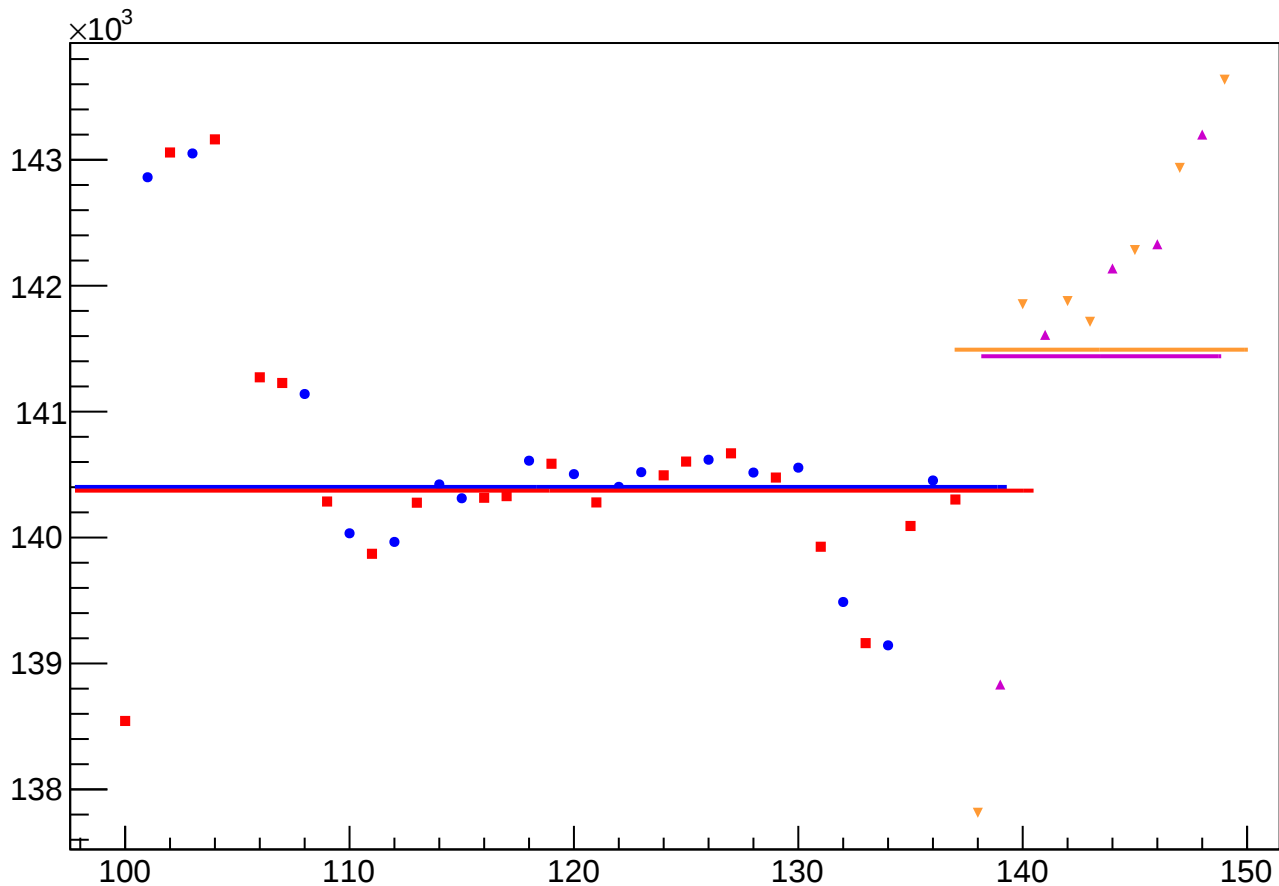
Left In: 170.952+/-0.062 χ^2/NDF : 221803.5/4

153.653+/-0.033 χ^2/NDF : 1433686.3/23

151.089+/-0.024 χ^2/NDF : 3065514.8/48

148.543+/-0.033 χ^2/NDF : 1620058.0/24

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

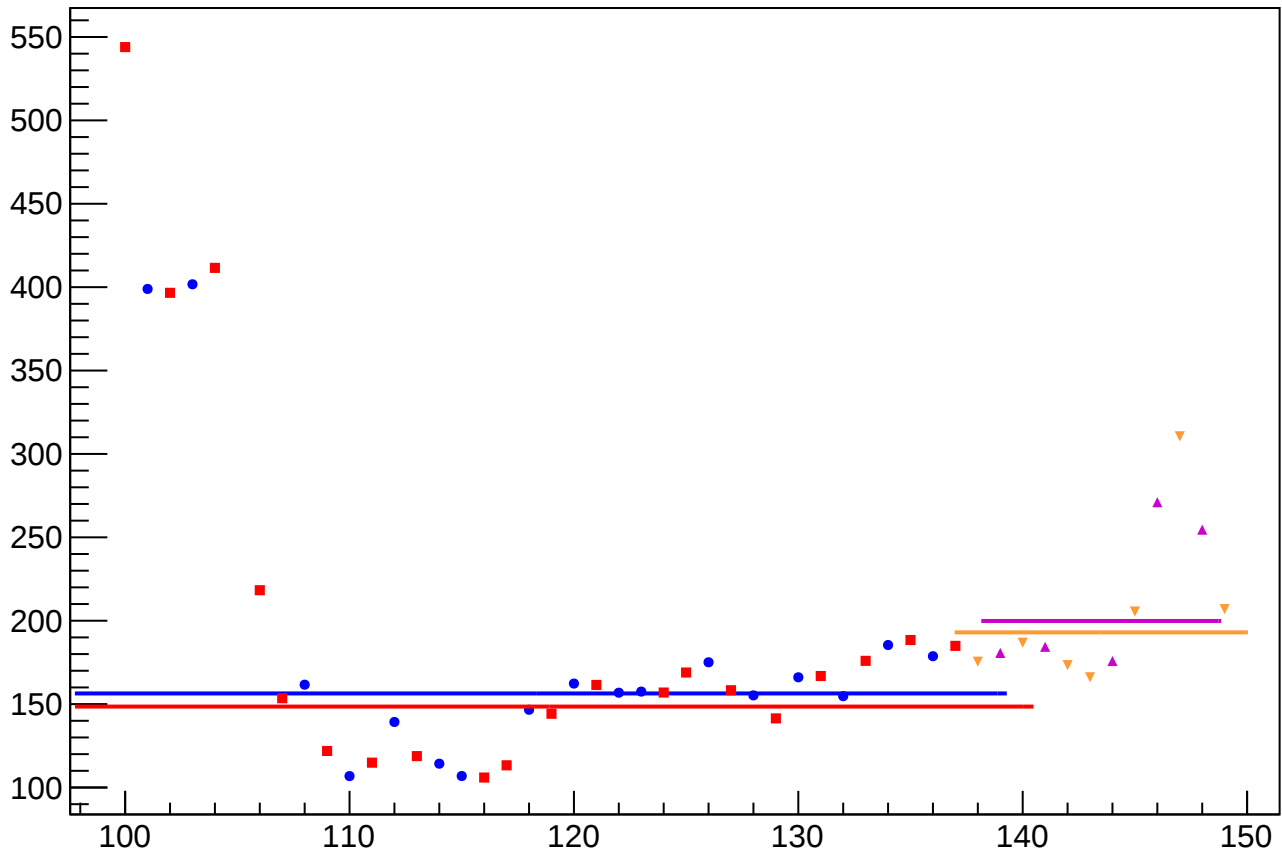
Left In: 141439.839 $\pm$ 0.103 χ^2 /NDF: 199545661.6/4

140774.544 $\pm$ 0.052 χ^2 /NDF: 613707386.8/23

140706.526 $\pm$ 0.037 χ^2 /NDF: 997186986

140640.359 $\pm$ 0.051 χ^2 /NDF: 380131020.5/24

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

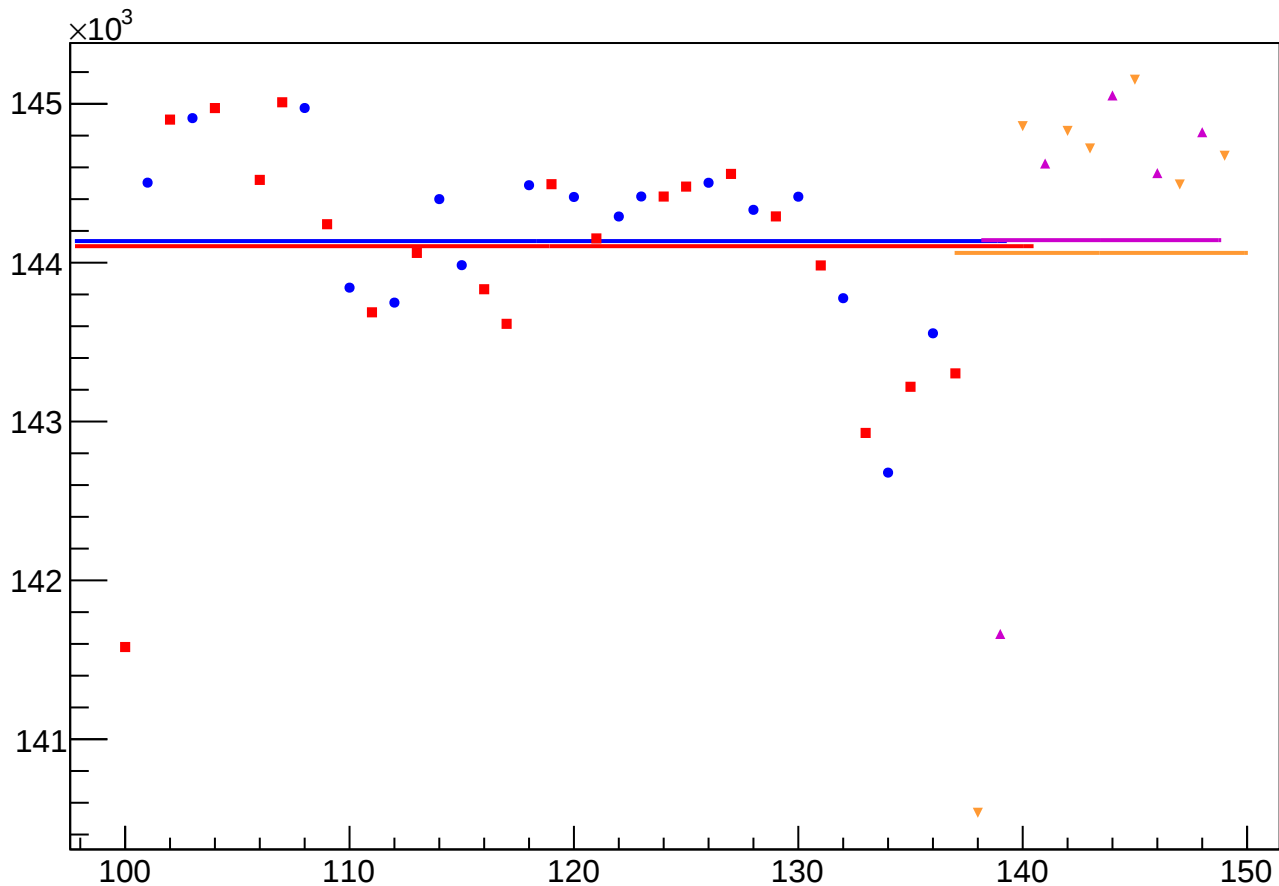
Left In: 199.847+/-0.073 χ^2/NDF : 238390.9/4

168.909+/-0.037 χ^2/NDF : 1671883.3/23

165.103+/-0.026 χ^2/NDF : 3620759.7/48

161.399+/-0.036 χ^2/NDF : 1927897.1/24

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

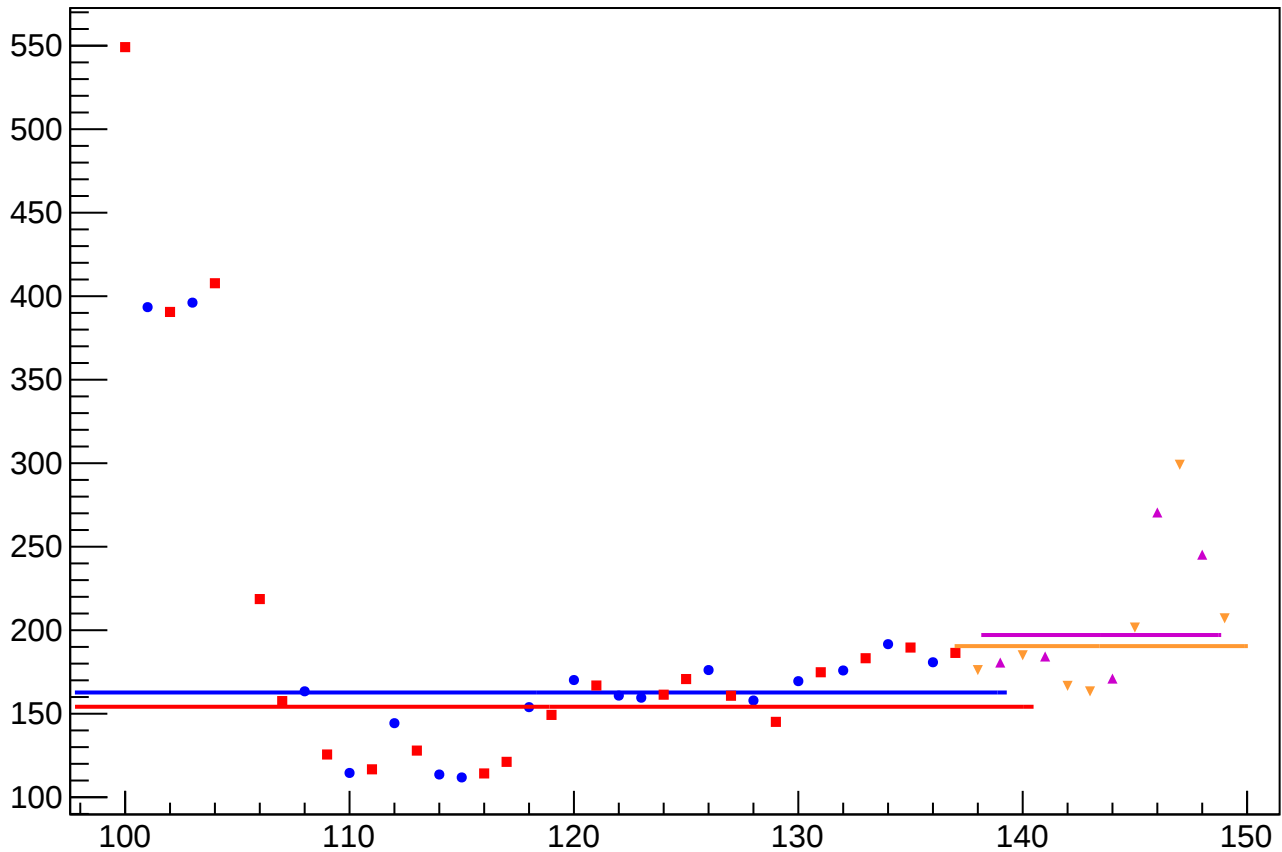
Left In: 144141.889 $\pm$ 0.101 χ^2/NDF : 164421412.7/4

144108.884 $\pm$ 0.053 χ^2/NDF : 392458486.9/23

144111.529 $\pm$ 0.037 χ^2/NDF : 622960589

144114.116 $\pm$ 0.053 χ^2/NDF : 230497208.9/24

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 162.714+/-0.047 χ^2/NDF : 1066482.0/16

Left Out: 190.483+/-0.062 χ^2/NDF : 282921.7/6

Right Out: 154.174+/-0.044 χ^2/NDF : 1224004.2/19

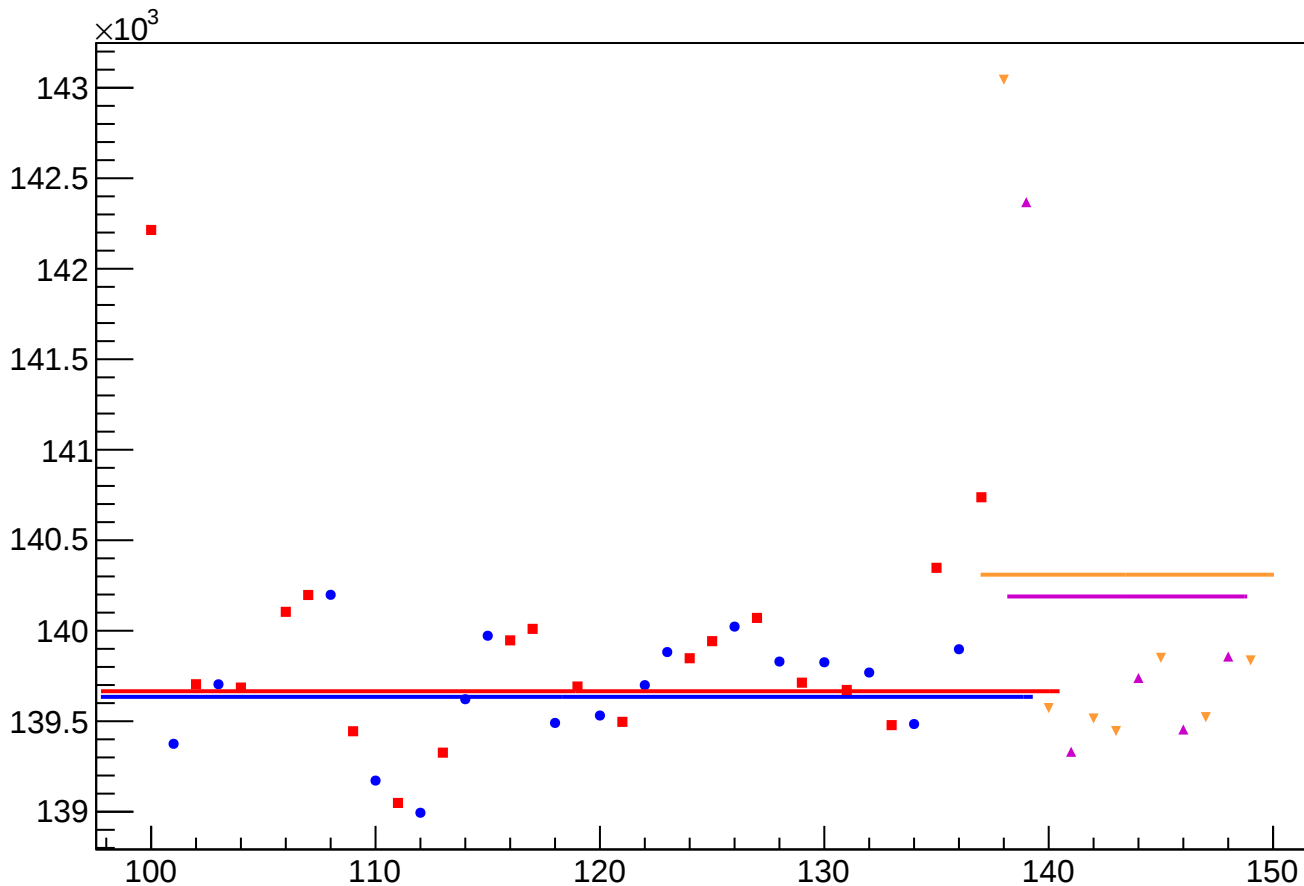
Left In: 197.127+/-0.072 χ^2/NDF : 233255.5/4

172.865+/-0.038 χ^2/NDF : 1475855.6/23

169.261+/-0.026 χ^2/NDF : 3213724.1/48

165.736+/-0.037 χ^2/NDF : 1719701.3/24

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 $\chi^2/\text{NDF}: 38703726.2/19$

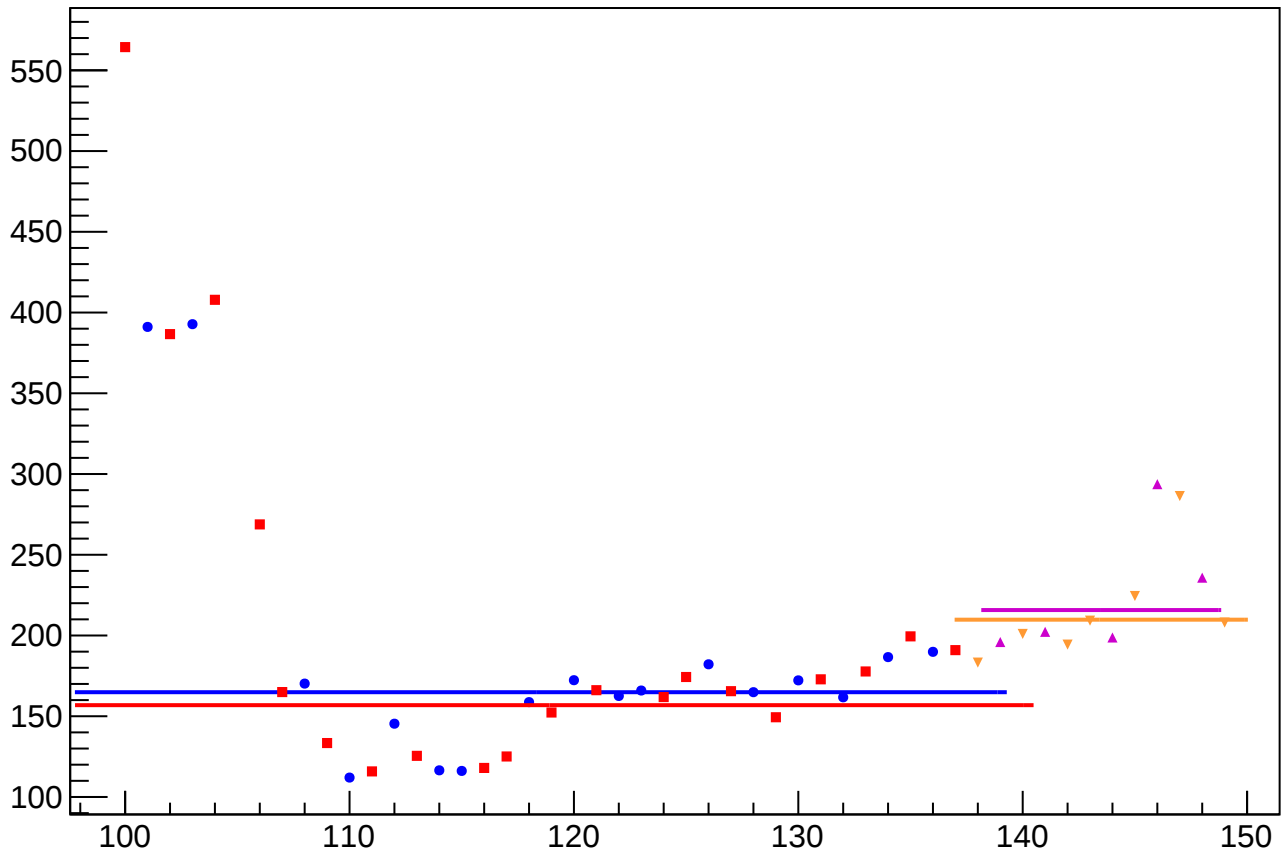
Left In: 140189.297 ± 0.110 $\chi^2/\text{NDF}: 108876023.3/4$

139859.408 ± 0.055 $\chi^2/\text{NDF}: 258768059.4/23$

139825.923 ± 0.039 $\chi^2/\text{NDF}: 424079429$

139793.451 ± 0.055 $\chi^2/\text{NDF}: 164590681.0/24$

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 164.884 +/- 0.048 χ^2/NDF : 1066270.8/16

Left Out: 209.797 +/- 0.068 χ^2/NDF : 155900.2/6

Right Out: 156.859 +/- 0.044 χ^2/NDF : 1250656.2/19

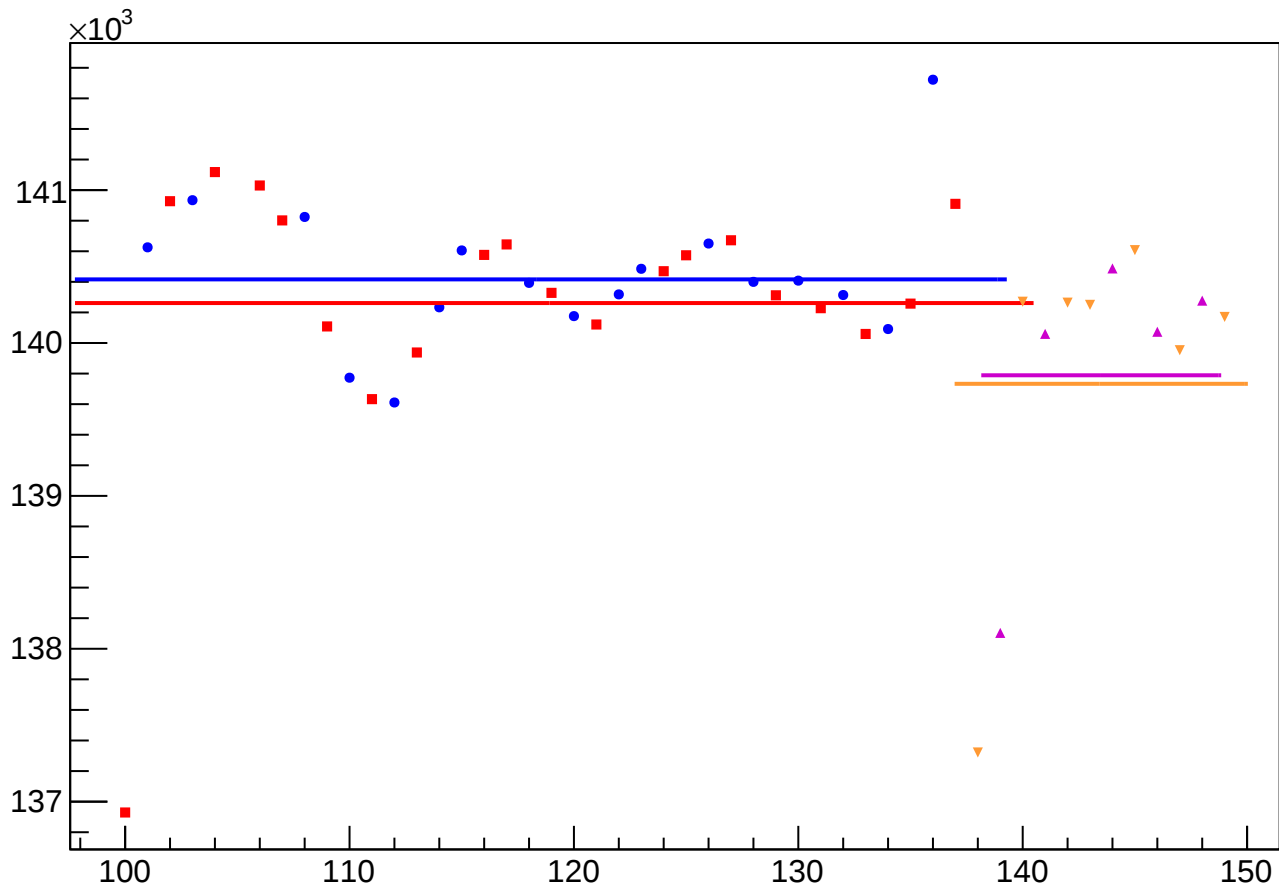
Left In: 215.759 +/- 0.078 χ^2/NDF : 154245.0/4

179.835 +/- 0.039 χ^2/NDF : 1514526.8/23

175.465 +/- 0.027 χ^2/NDF : 3374571.3/48

171.227 +/- 0.039 χ^2/NDF : 1835489.3/24

yield_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 140416.064 ± 0.068 $\chi^2/\text{NDF}: 69975821.3/16$

Left Out: 139732.998 ± 0.086 $\chi^2/\text{NDF}: 180927489.6/6$

Right Out: 140261.267 ± 0.063 $\chi^2/\text{NDF}: 38479140.4/19$

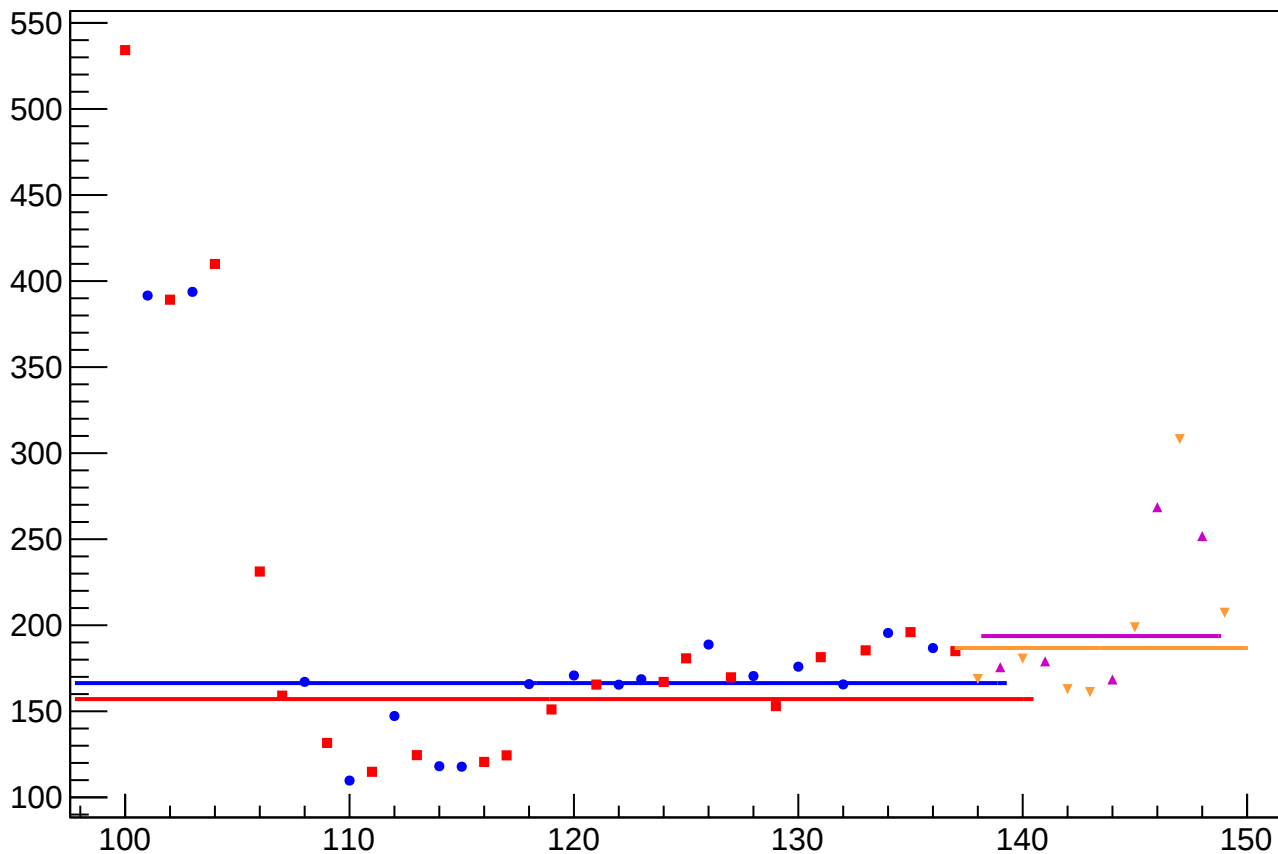
Left In: 139788.830 ± 0.100 $\chi^2/\text{NDF}: 82300956.6/4$

140152.551 ± 0.054 $\chi^2/\text{NDF}: 289382677.4/23$

140139.733 ± 0.038 $\chi^2/\text{NDF}: 426346657$

140127.137 ± 0.053 $\chi^2/\text{NDF}: 136850600.2/24$

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

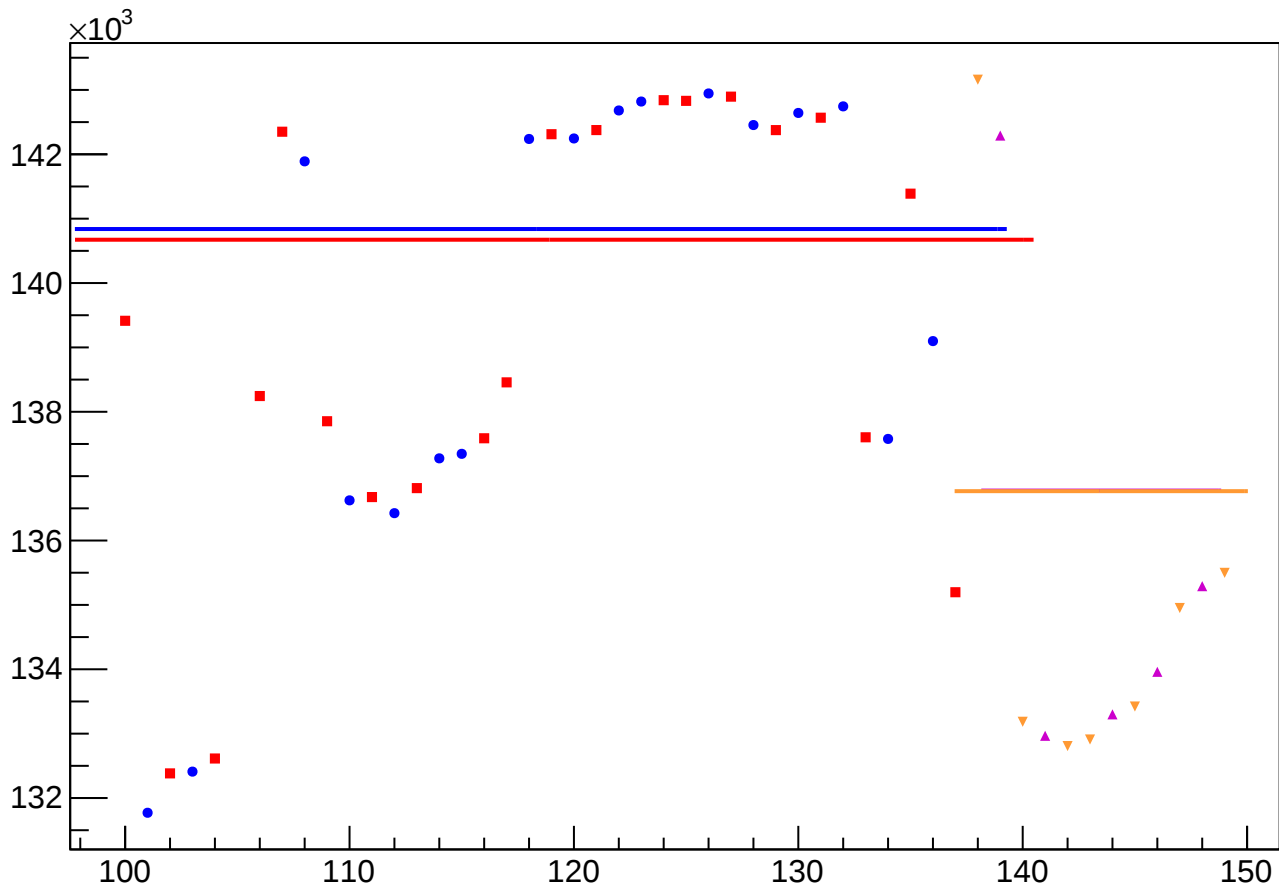
Left In: 193.716+/-0.071 χ^2/NDF : 267929.6/4

174.253+/-0.038 χ^2/NDF : 1480032.4/23

170.849+/-0.027 χ^2/NDF : 3192851.2/48

167.503+/-0.038 χ^2/NDF : 1696826.8/24

yield_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 140839.133 ± 0.100 $\chi^2/\text{NDF}: 822682996.3/16$

Left Out: 136766.963 ± 0.136 $\chi^2/\text{NDF}: 1058378130.8/6$

Right Out: 140672.898 ± 0.099 $\chi^2/\text{NDF}: 841965357.5/19$

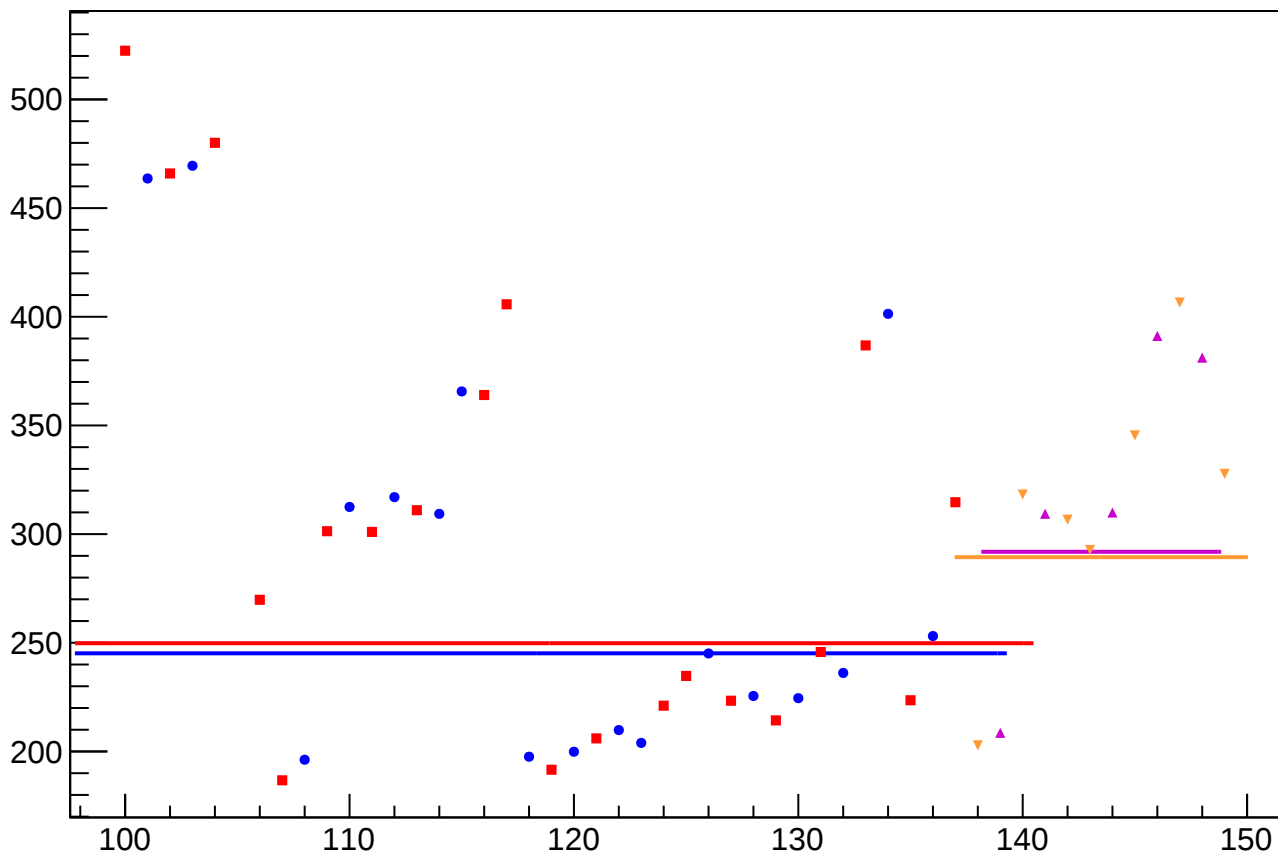
Left In: 136775.965 ± 0.154 $\chi^2/\text{NDF}: 734801630.7/4$

139413.266 ± 0.081 $\chi^2/\text{NDF}: 2461562349.6/23$

139470.736 ± 0.058 $\chi^2/\text{NDF}: 449323759$

139531.991 ± 0.083 $\chi^2/\text{NDF}: 2030625526.5/24$

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

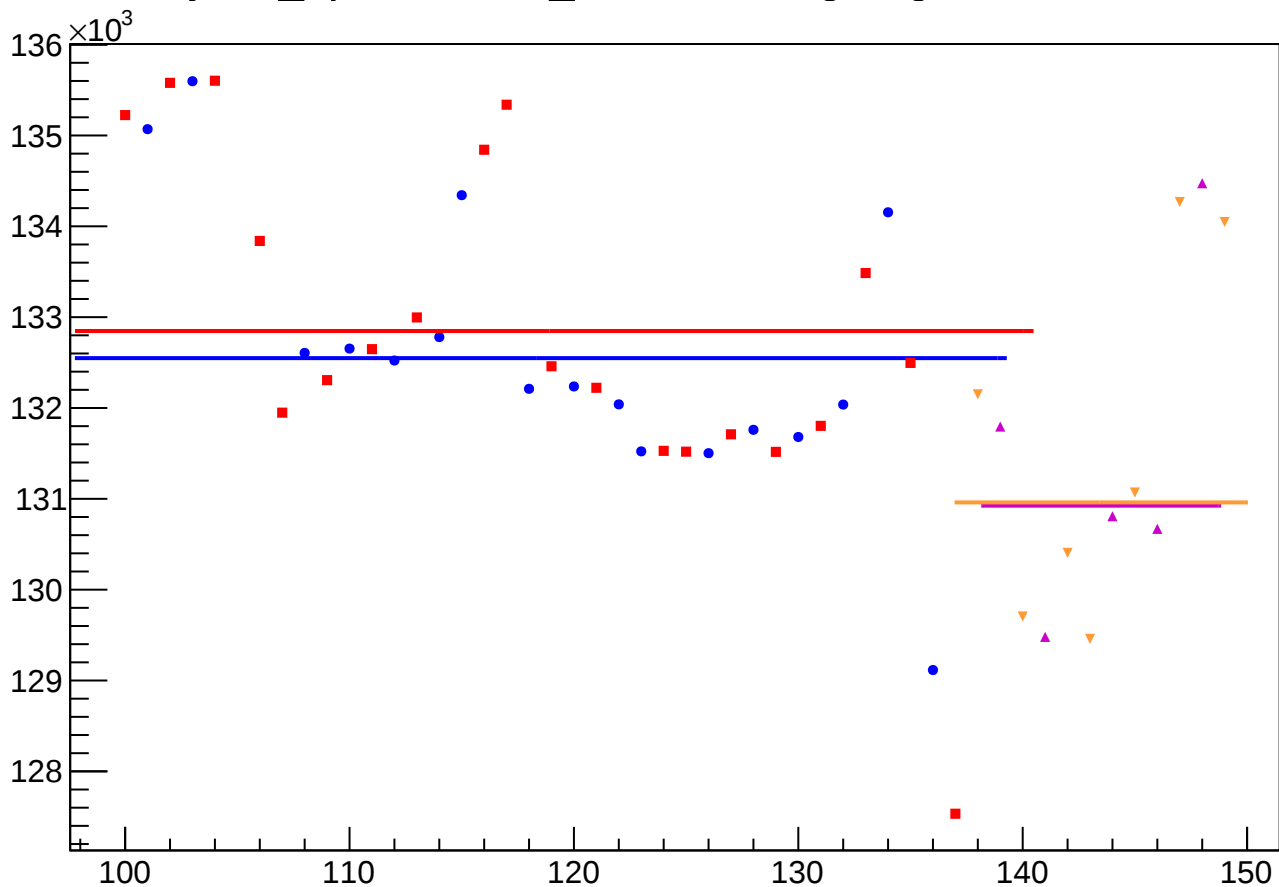
Left In: 291.871+/-0.109 χ^2/NDF : 400495.1/4

260.648+/-0.057 χ^2/NDF : 1464470.3/23

261.356+/-0.041 χ^2/NDF : 2993436.2/48

262.112+/-0.059 χ^2/NDF : 1528646.9/24

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

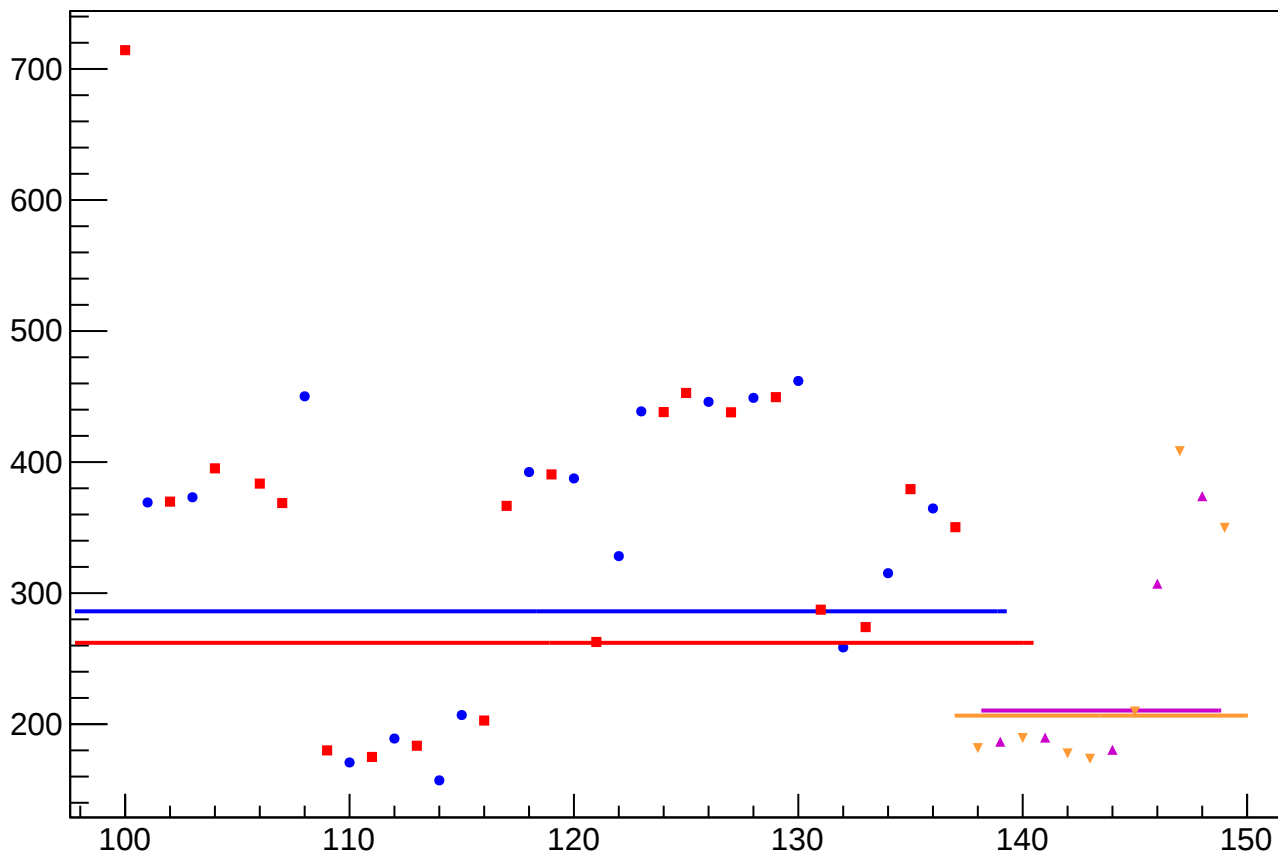
Left In: 130924.873 $\pm$ 0.111 χ^2/NDF : 134411956.4/4

131602.820 $\pm$ 0.076 χ^2/NDF : 493292876.2/23

131761.234 $\pm$ 0.054 χ^2/NDF : 943432396

131924.618 $\pm$ 0.077 χ^2/NDF : 441292033.2/24

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

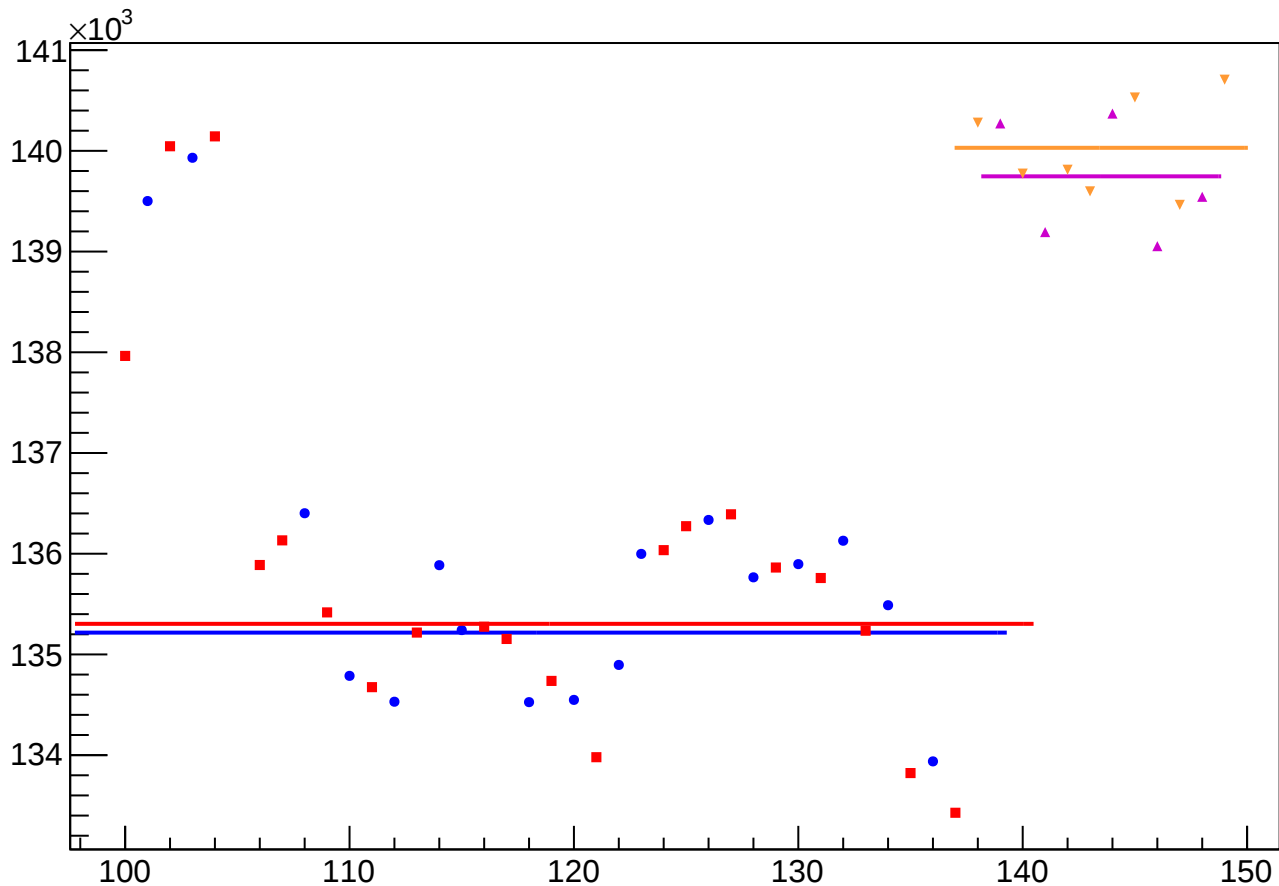
Left In: 210.394+/-0.079 χ^2/NDF : 538671.0/4

238.714+/-0.054 χ^2/NDF : 2810511.1/23

238.001+/-0.038 χ^2/NDF : 5204126.1/48

237.266+/-0.055 χ^2/NDF : 2393256.9/24

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

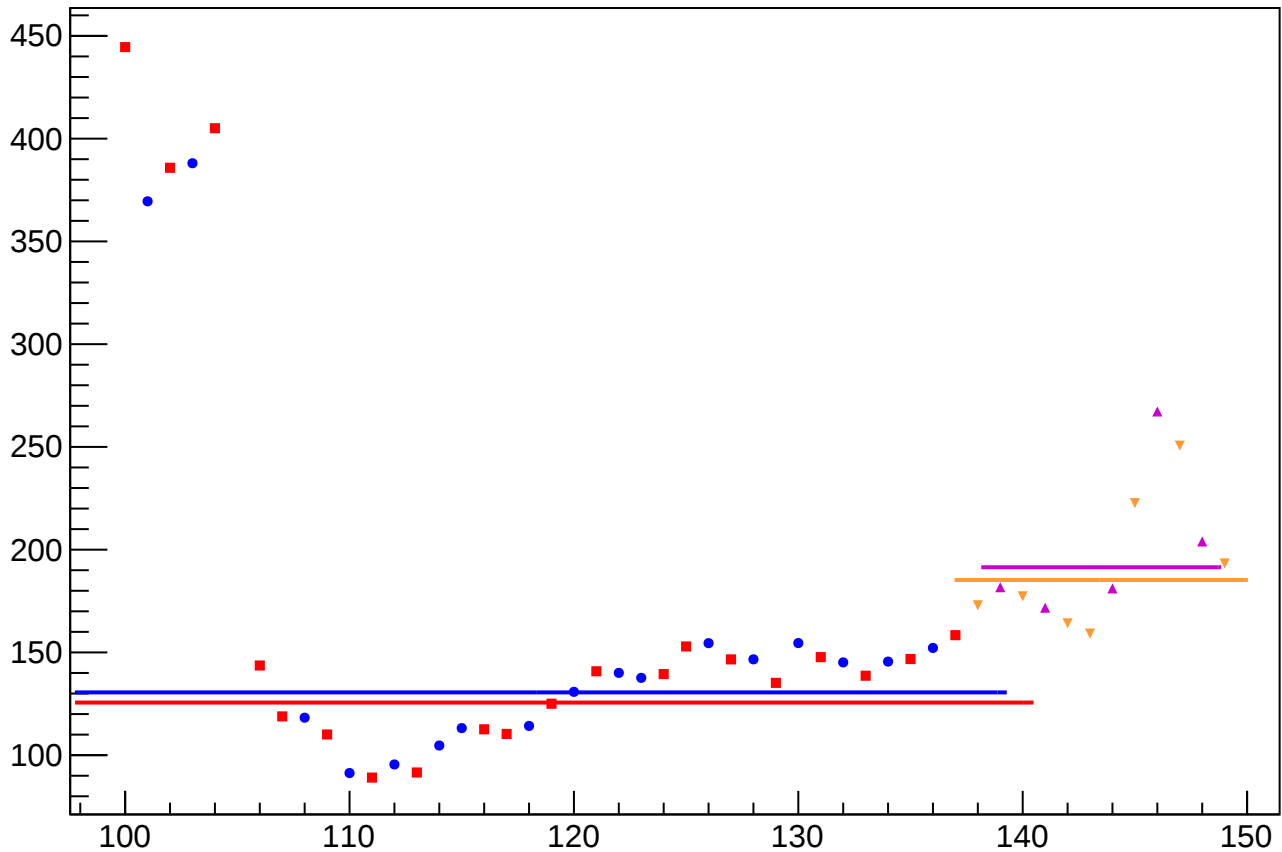
Left In: 139746.898 $\pm$ 0.098 χ^2 /NDF: 30028680.2/4

136603.123 $\pm$ 0.046 χ^2 /NDF: 2655967000.5/23

136420.690 $\pm$ 0.032 χ^2 /NDF: 468623669

136243.487 $\pm$ 0.045 χ^2 /NDF: 1999079774.6/24

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 130.552 $\pm$ 0.038 χ^2 /NDF: 1373104.9/16

Left Out: 185.262 $\pm$ 0.060 χ^2 /NDF: 203750.2/6

Right Out: 125.603 $\pm$ 0.036 χ^2 /NDF: 1441677.4/19

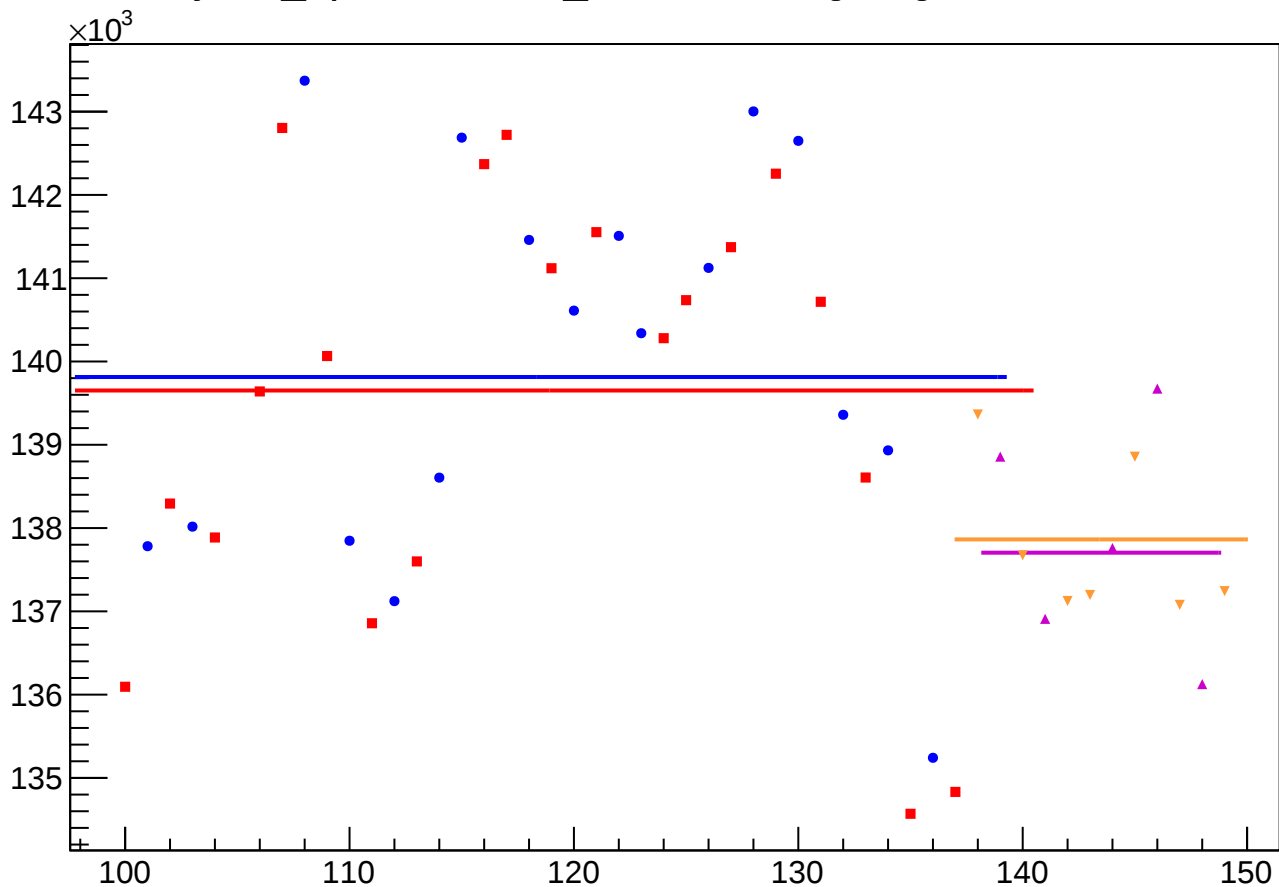
Left In: 191.446 $\pm$ 0.069 χ^2 /NDF: 156314.2/4

146.310 $\pm$ 0.032 χ^2 /NDF: 2160479.6/23

142.871 $\pm$ 0.023 χ^2 /NDF: 4488336.3/48

139.529 $\pm$ 0.032 χ^2 /NDF: 2305678.5/24

yield_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 139813.664 ± 0.062 $\chi^2/\text{NDF}: 1689865533.6/16$

Left Out: 137864.053 ± 0.085 $\chi^2/\text{NDF}: 108884482.2/6$

Right Out: 139651.821 ± 0.059 $\chi^2/\text{NDF}: 1531019137.4/19$

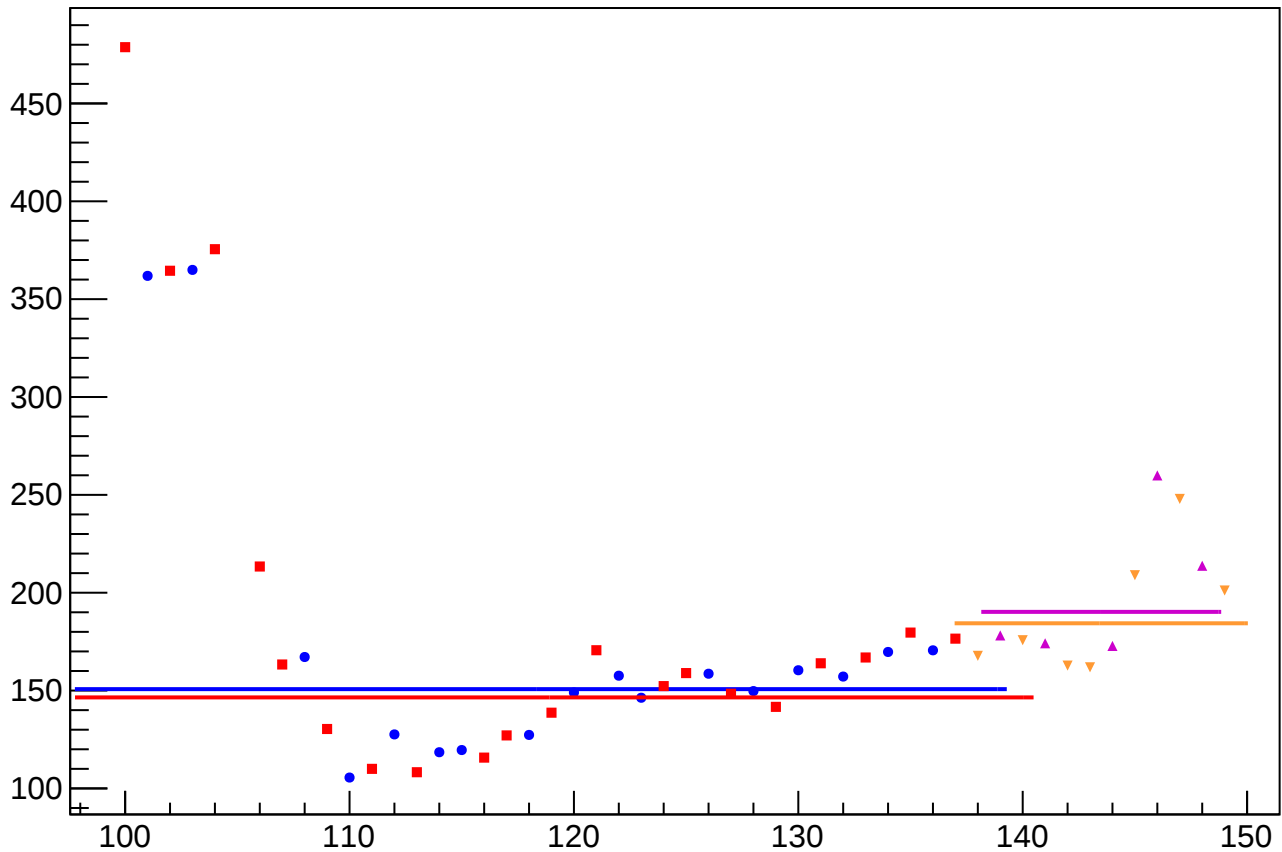
Left In: 137704.361 ± 0.098 $\chi^2/\text{NDF}: 131695093.4/4$

139136.381 ± 0.050 $\chi^2/\text{NDF}: 2143117966.6/23$

139134.925 ± 0.035 $\chi^2/\text{NDF}: 409833252$

139133.450 ± 0.050 $\chi^2/\text{NDF}: 1955212852.7/24$

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

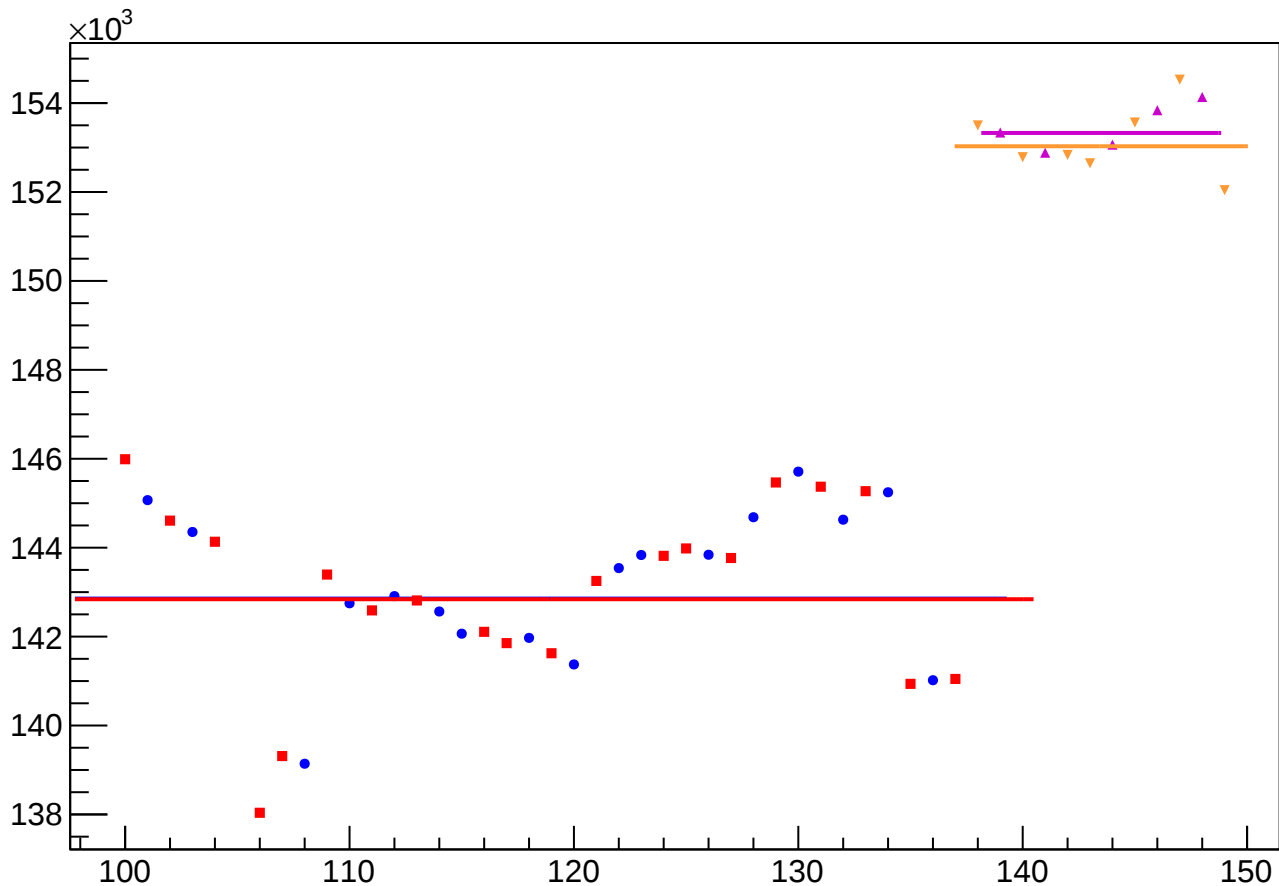
Left In: 190.216 ± 0.069 χ^2/NDF : 166270.9/4

162.422 ± 0.035 χ^2/NDF : 1444200.5/23

160.294 ± 0.025 χ^2/NDF : 3117578.4/48

158.140 ± 0.036 χ^2/NDF : 1666097.7/24

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

Right Out: 142840.509 $\pm$ 0.060 χ^2 /NDF: 852484333.4/19

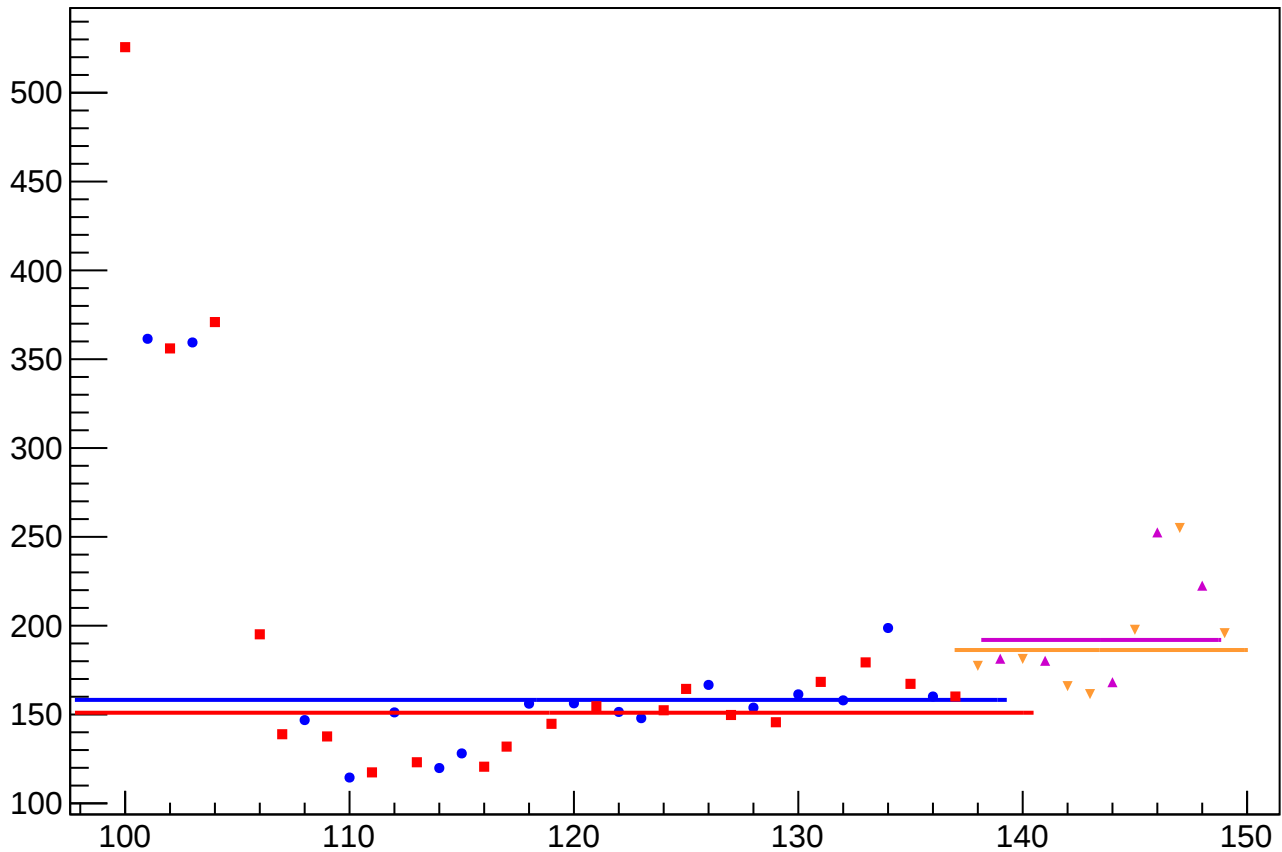
Left In: 153328.668 $\pm$ 0.098 χ^2 /NDF: 20650843.2/4

146560.602 $\pm$ 0.052 χ^2 /NDF: 9822482612.7/23

146130.664 $\pm$ 0.036 χ^2 /NDF: 191459255

145705.660 $\pm$ 0.051 χ^2 /NDF: 9185161814.0/24

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

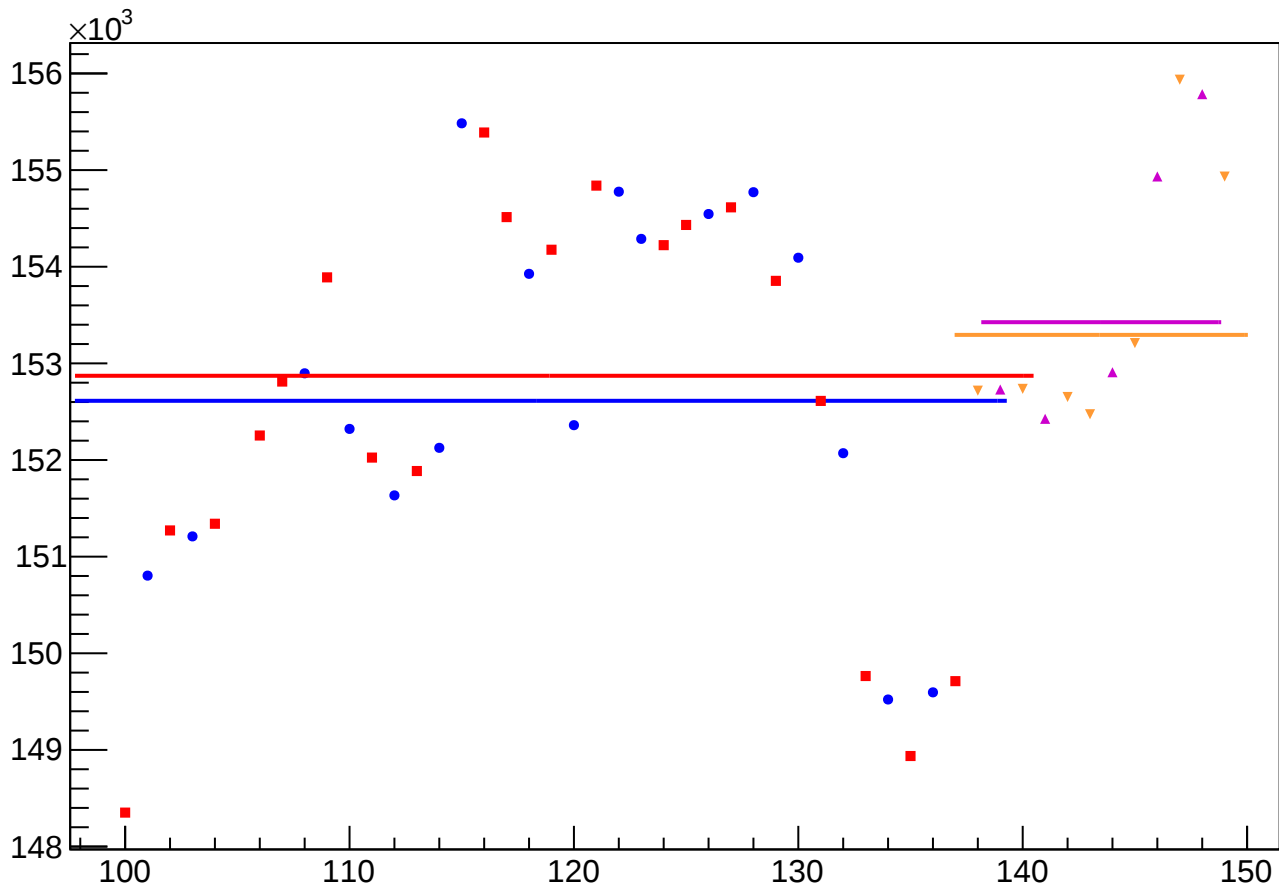
Left In: 191.980+/-0.069 χ^2/NDF : 164730.0/4

168.460+/-0.036 χ^2/NDF : 1189683.0/23

165.310+/-0.026 χ^2/NDF : 2628111.0/48

162.197+/-0.036 χ^2/NDF : 1423589.1/24

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

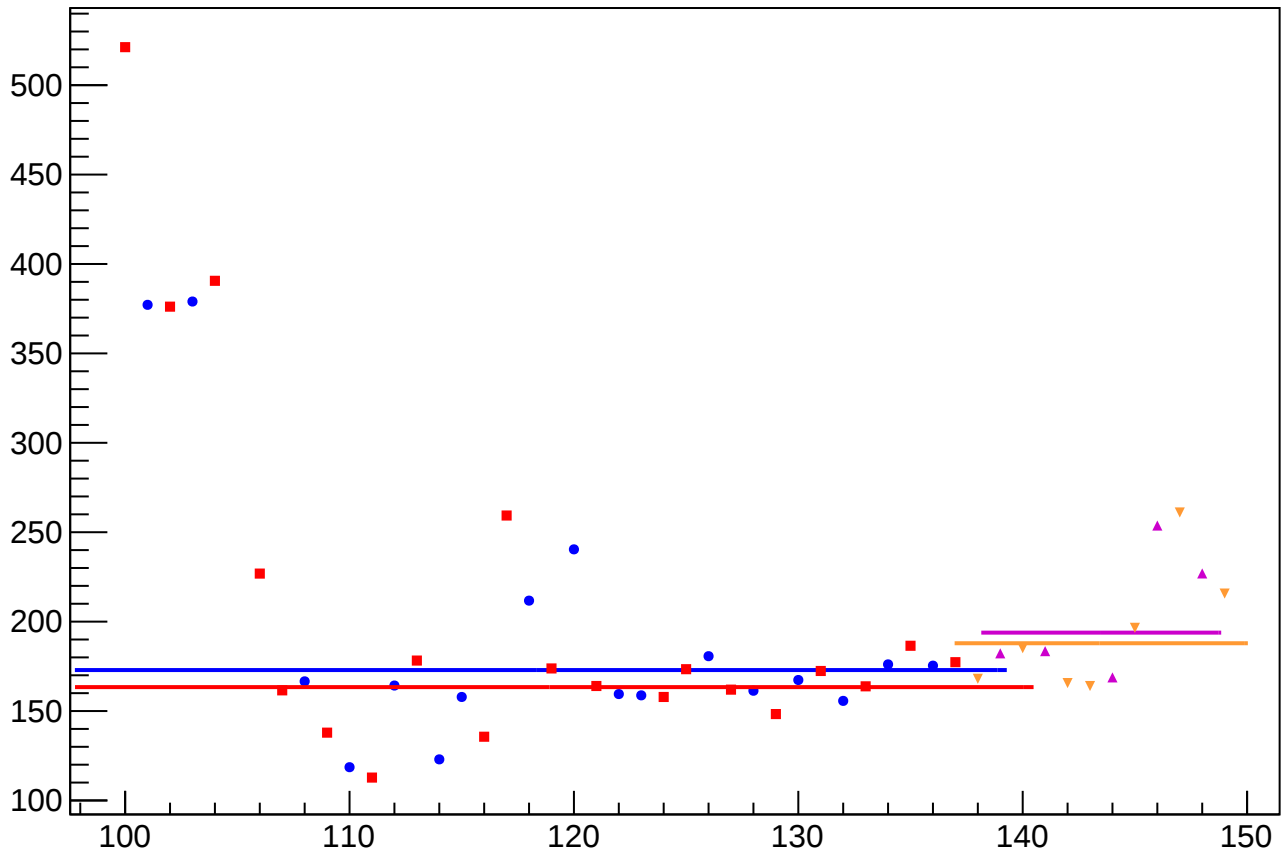
Left In: 153426.082 $\pm$ 0.099 χ^2 /NDF: 155108996.0/4

152893.872 $\pm$ 0.055 χ^2 /NDF: 821810830.1/23

152968.875 $\pm$ 0.039 χ^2 /NDF: 172293271

153042.942 $\pm$ 0.055 χ^2 /NDF: 897468457.7/24

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

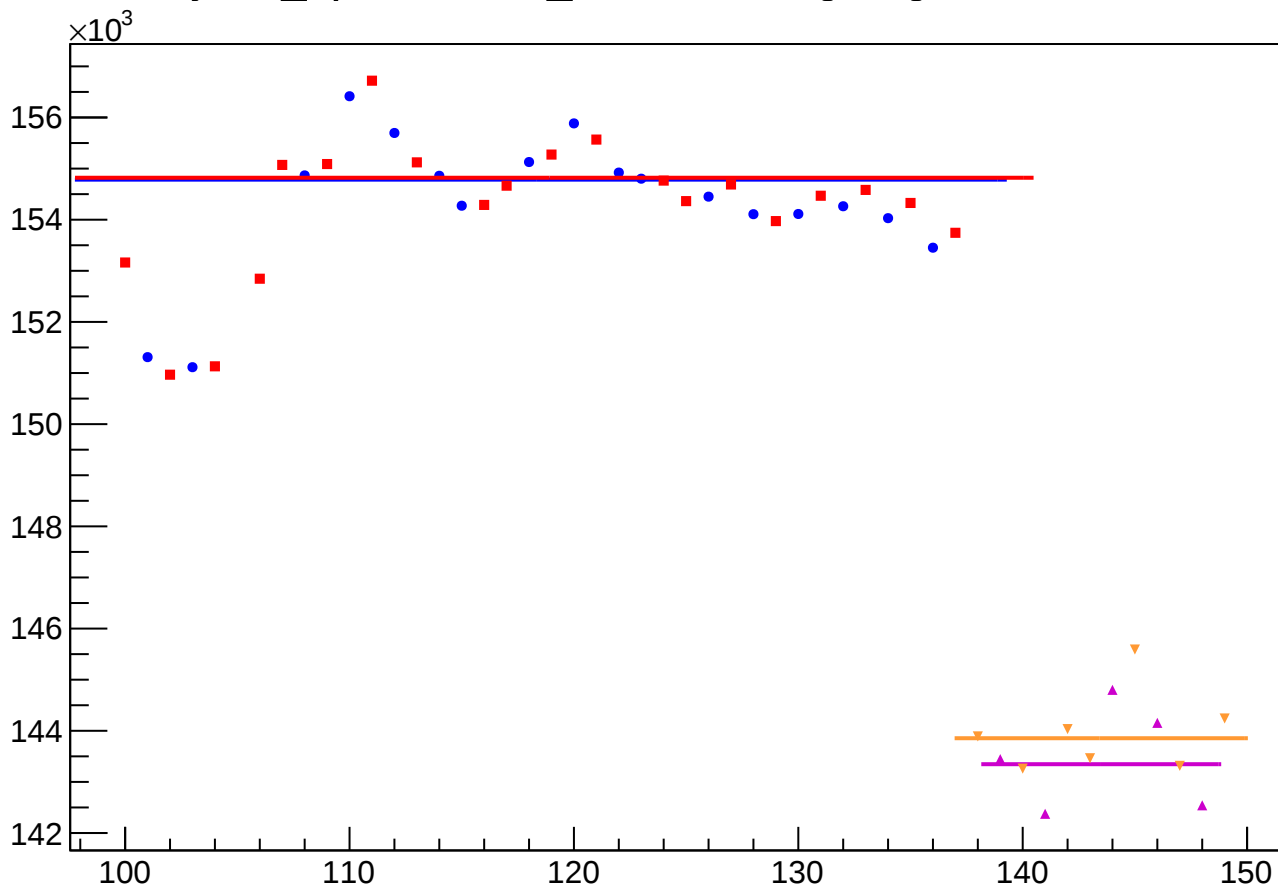
Left In: 193.848 ± 0.070 χ^2/NDF : 168965.9/4

179.104 ± 0.039 χ^2/NDF : 1191879.3/23

175.930 ± 0.028 χ^2/NDF : 2549516.5/48

172.795 ± 0.039 χ^2/NDF : 1344551.3/24

yield_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 154783.944 ± 0.065 $\chi^2/\text{NDF}: 265581398.0/16$

Left Out: 143854.673 ± 0.078 $\chi^2/\text{NDF}: 74154946.0/6$

Right Out: 154820.824 ± 0.061 $\chi^2/\text{NDF}: 293904936.4/19$

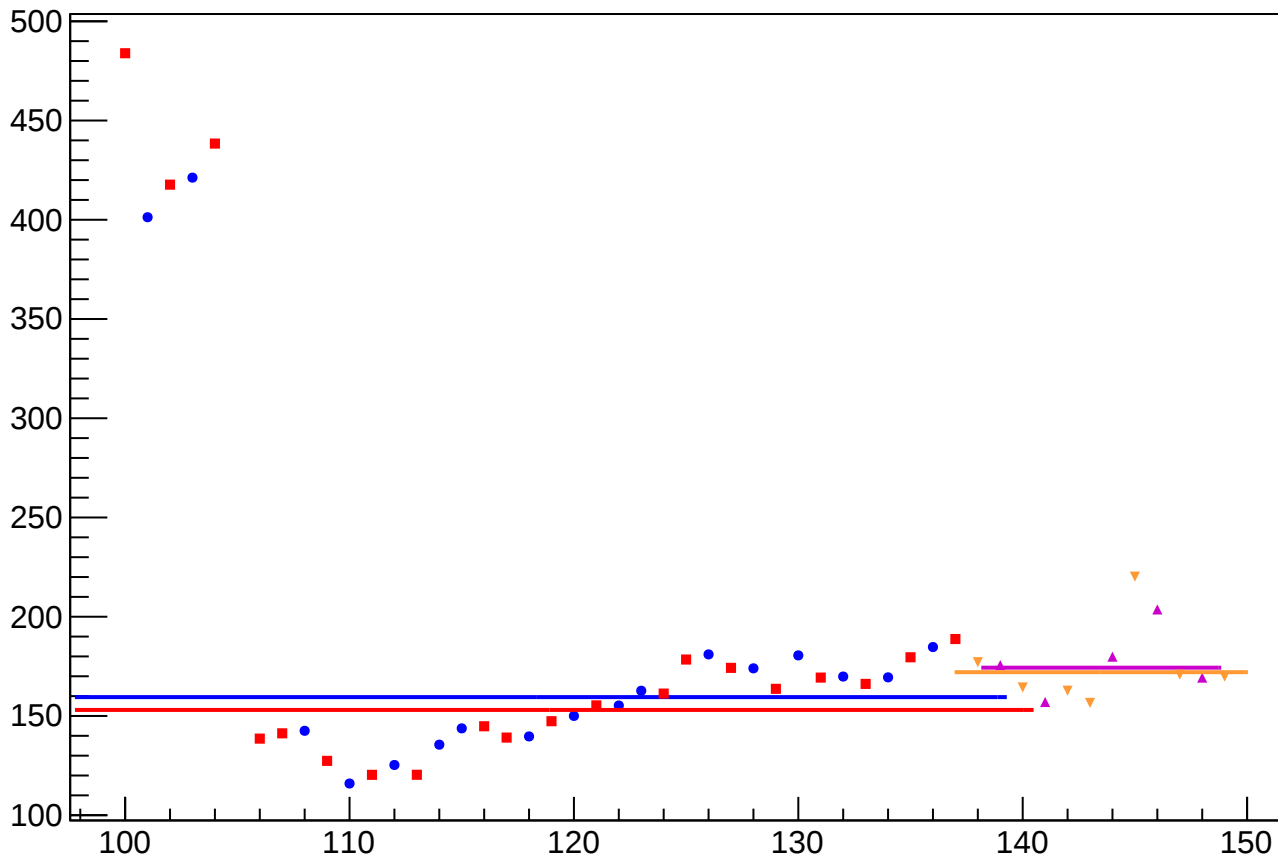
Left In: 143346.585 ± 0.088 $\chi^2/\text{NDF}: 118270638.4/4$

150278.418 ± 0.050 $\chi^2/\text{NDF}: 11863831900.7/2$

150704.150 ± 0.035 $\chi^2/\text{NDF}: 239480325$

151126.761 ± 0.050 $\chi^2/\text{NDF}: 11940393578.4/2$

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

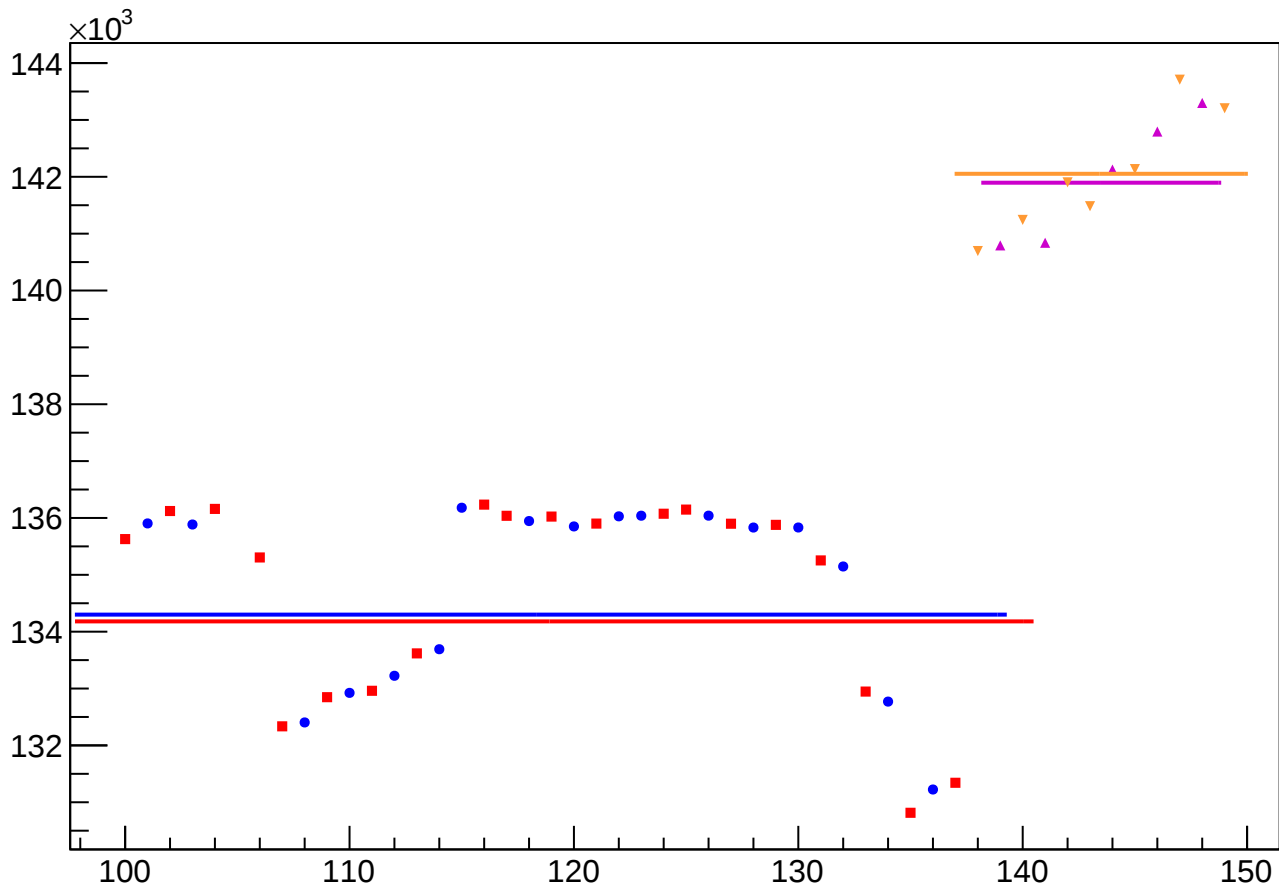
Left In: 174.334 +/- 0.062 χ^2/NDF : 55966.6/4

164.677 +/- 0.035 χ^2/NDF : 1255876.4/23

162.277 +/- 0.025 χ^2/NDF : 2575025.2/48

159.894 +/- 0.035 χ^2/NDF : 1310005.9/24

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134300.025 ± 0.050 $\chi^2/\text{NDF}: 1149581803.2/16$

Left Out: 142052.805 ± 0.077 $\chi^2/\text{NDF}: 182560073.7/6$

Right Out: 134180.888 ± 0.047 $\chi^2/\text{NDF}: 1224202240.2/19$

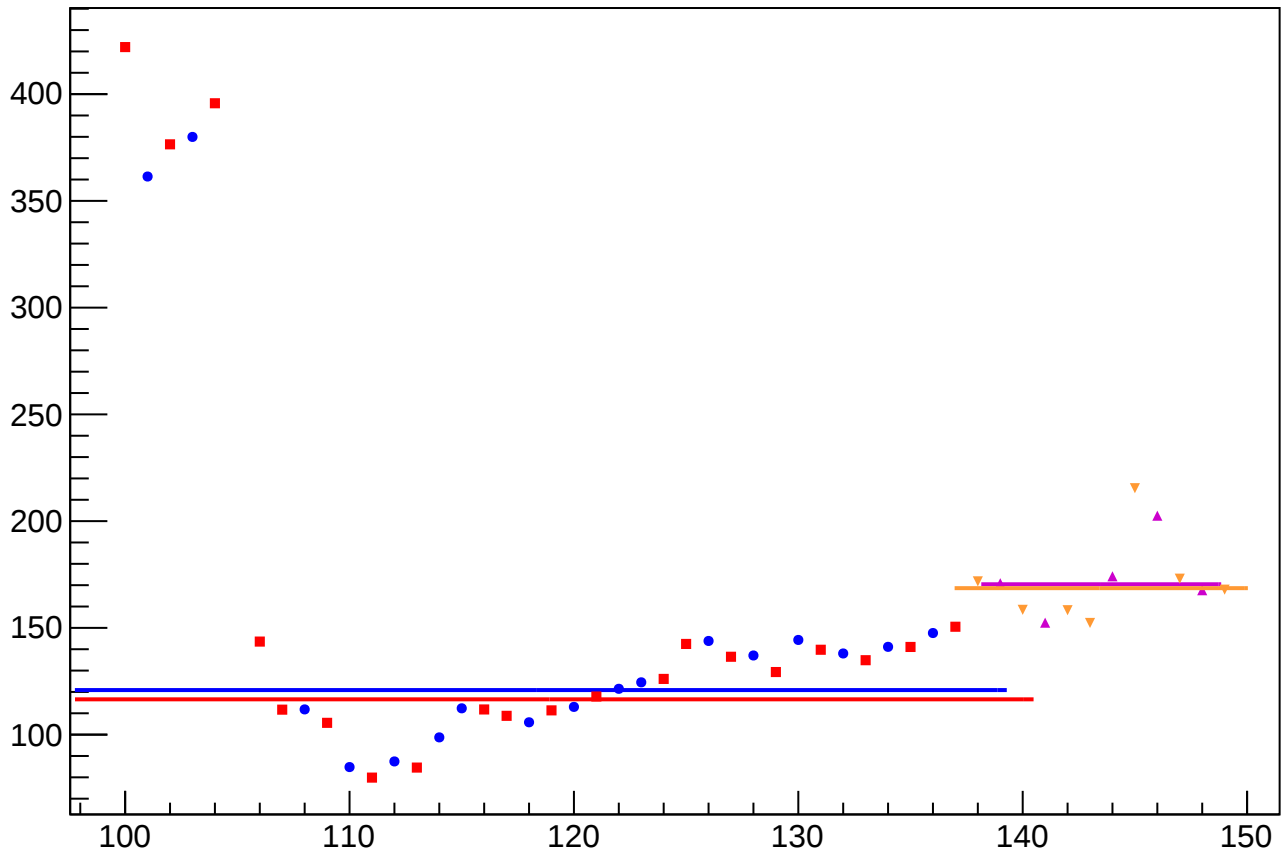
Left In: 141896.098 ± 0.086 $\chi^2/\text{NDF}: 141202929.7/4$

136636.726 ± 0.042 $\chi^2/\text{NDF}: 8480335796.0/23$

136293.006 ± 0.030 $\chi^2/\text{NDF}: 161392757$

135960.252 ± 0.041 $\chi^2/\text{NDF}: 7527610065.1/24$

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

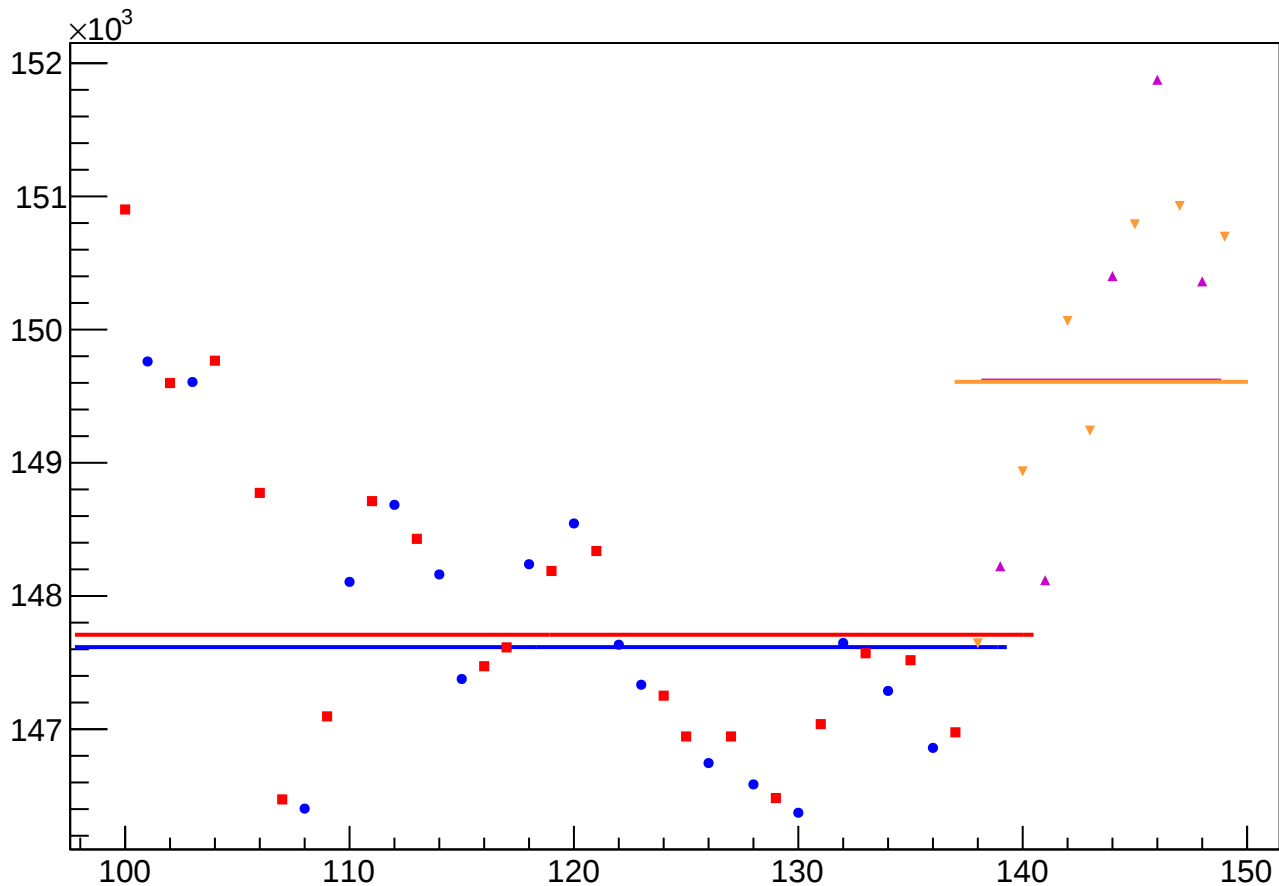
Left In: 170.428+/-0.061 χ^2/NDF : 63810.9/4

135.259+/-0.030 χ^2/NDF : 2104307.0/23

132.059+/-0.021 χ^2/NDF : 4334108.9/48

128.961+/-0.029 χ^2/NDF : 2207036.0/24

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

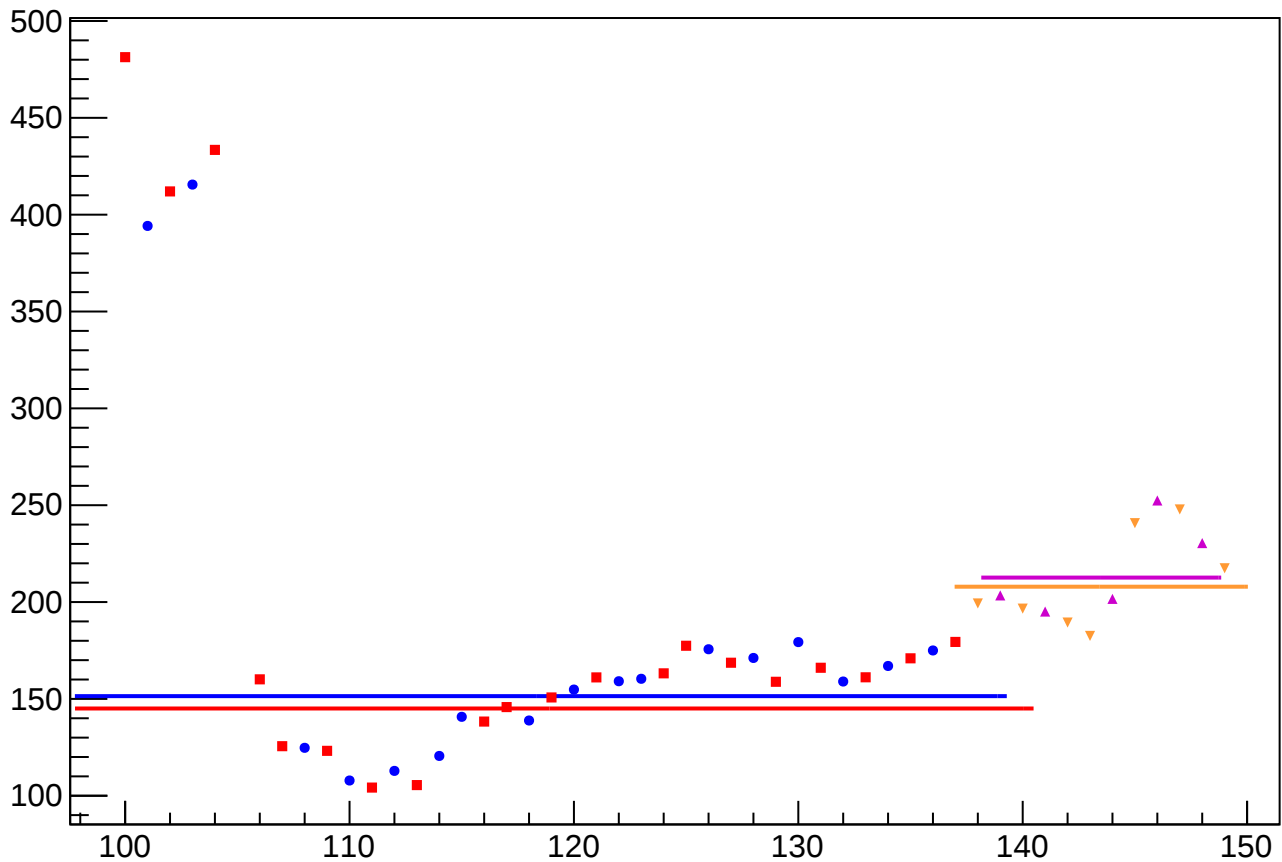
Left In: 149617.040 $\pm$ 0.107 χ^2 /NDF: 165827803.0/4

148222.236 $\pm$ 0.052 χ^2 /NDF: 652579204.1/23

148181.156 $\pm$ 0.036 χ^2 /NDF: 126773599

148141.630 $\pm$ 0.051 χ^2 /NDF: 613937680.0/24

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

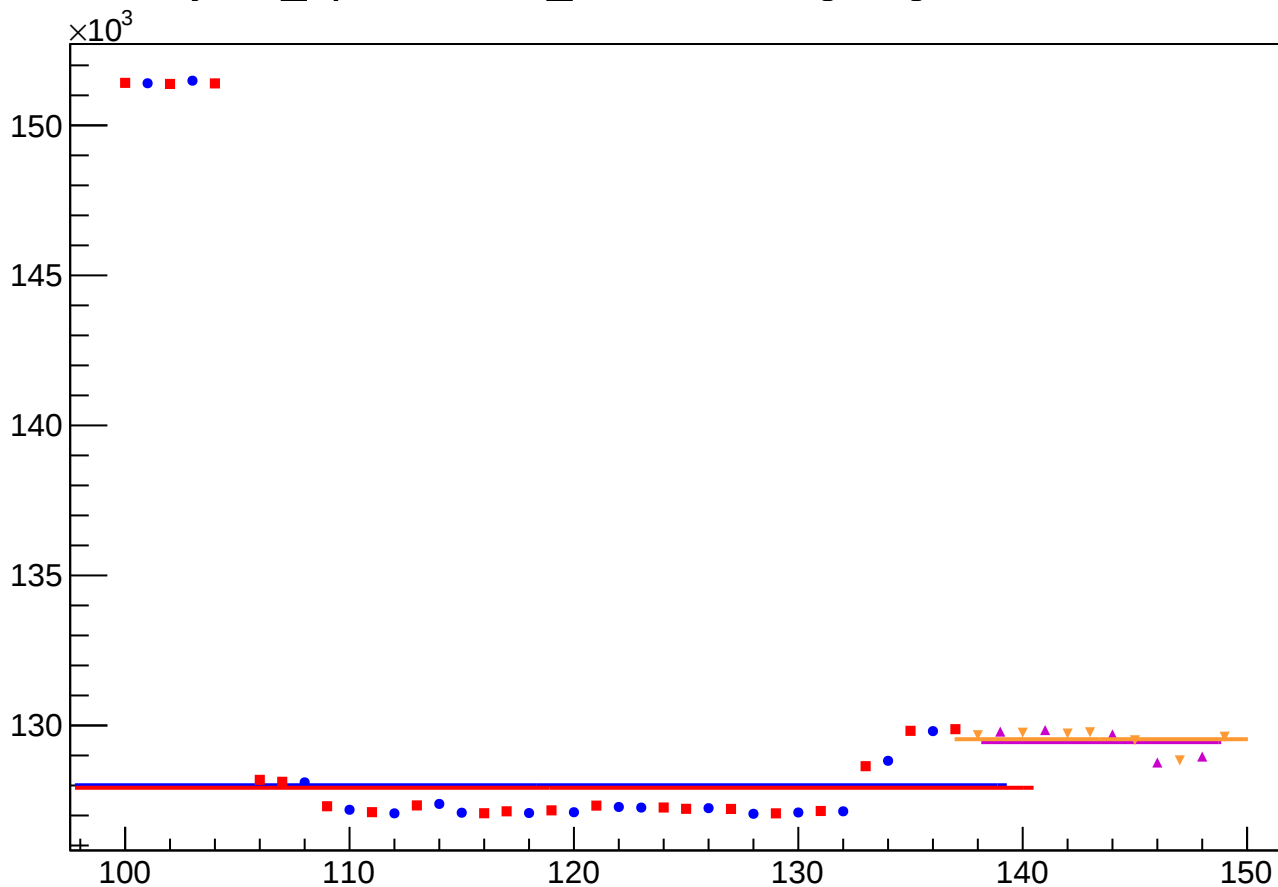
Left In: 212.630 $\pm$ 0.076 χ^2 /NDF: 70347.2/4

168.616 $\pm$ 0.037 χ^2 /NDF: 1868413.6/23

164.412 $\pm$ 0.026 χ^2 /NDF: 3953094.6/48

160.366 $\pm$ 0.036 χ^2 /NDF: 2059137.7/24

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

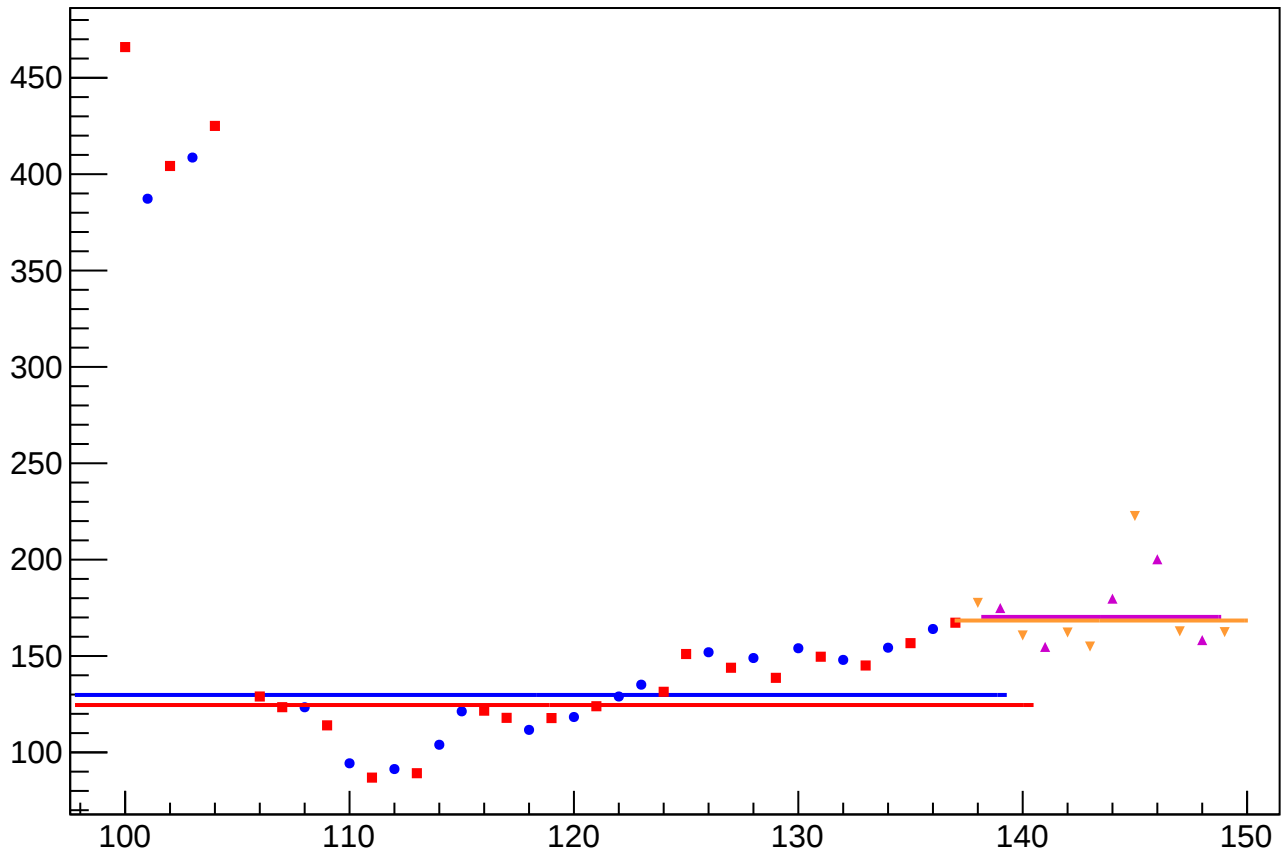
Left In: 129444.328 $\pm$ 0.086 χ^2 /NDF: 26497979.1/4

128519.387 $\pm$ 0.044 χ^2 /NDF: 4606713402.9/23

128412.498 $\pm$ 0.031 χ^2 /NDF: 864761956.1/19

128309.573 $\pm$ 0.043 χ^2 /NDF: 4029417212.6/24

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

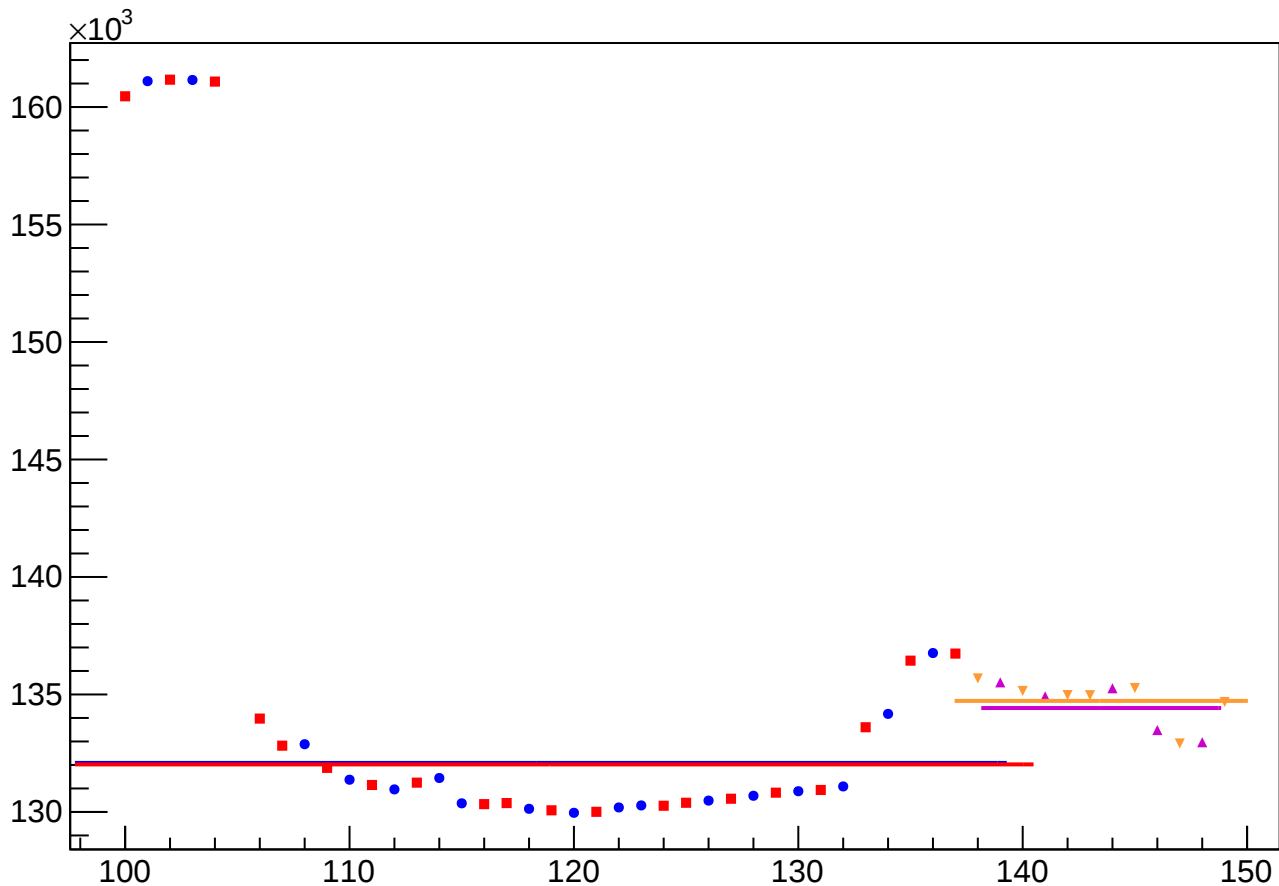
Left In: 170.287+/-0.061 χ^2/NDF : 66684.8/4

142.679+/-0.031 χ^2/NDF : 1938417.6/23

139.362+/-0.022 χ^2/NDF : 3980304.5/48

136.167+/-0.031 χ^2/NDF : 2019752.0/24

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

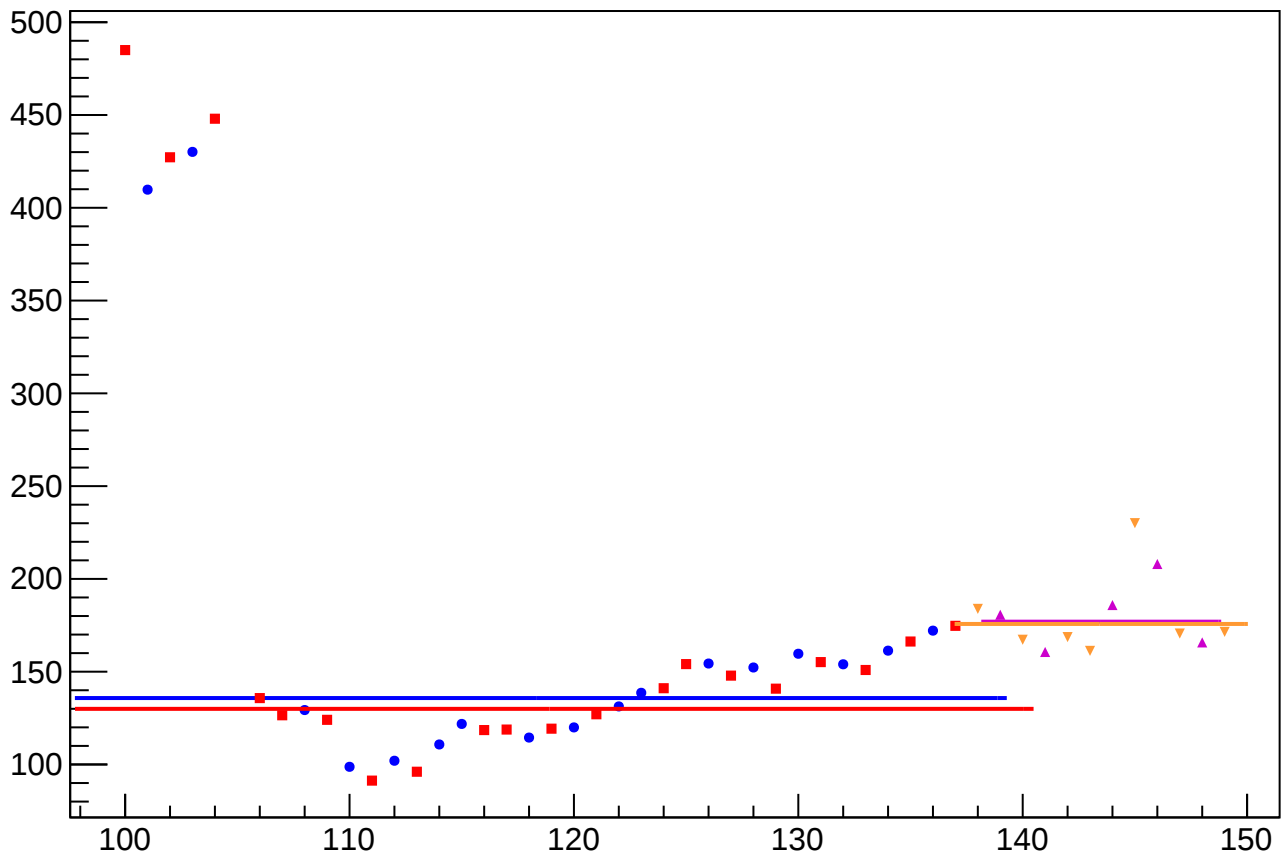
Left In: 134422.294 $\pm$ 0.089 χ^2 /NDF: 127856430.9/4

132969.140 $\pm$ 0.046 χ^2 /NDF: 7580900876.7/23

132798.423 $\pm$ 0.032 χ^2 /NDF: 141618622

132634.773 $\pm$ 0.045 χ^2 /NDF: 6554125740.0/24

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 135.796 +/- 0.040 χ^2/NDF : 1441904.9/16

Left Out: 175.724 +/- 0.056 χ^2/NDF : 106662.8/6

Right Out: 129.975 +/- 0.037 χ^2/NDF : 1504768.0/19

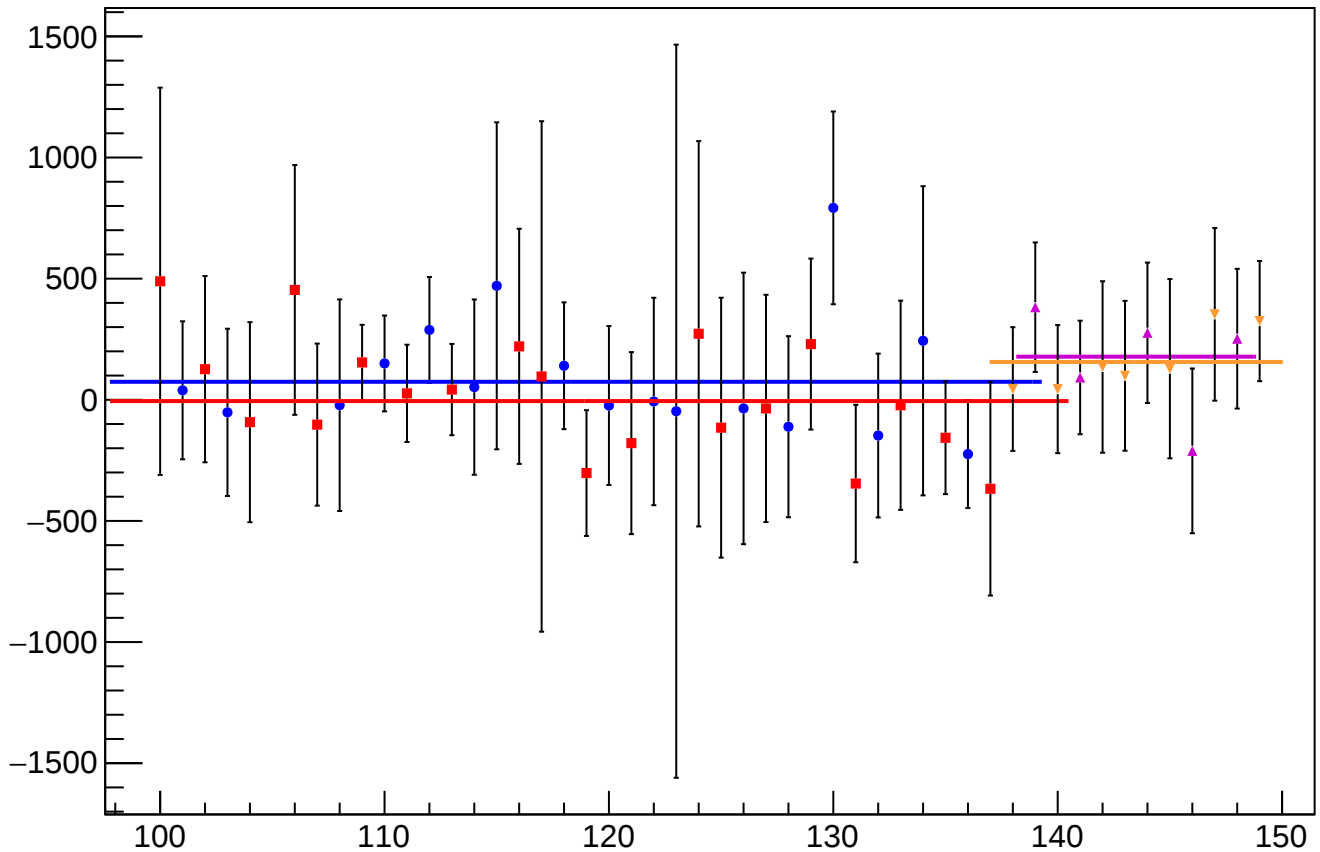
Left In: 176.957 +/- 0.063 χ^2/NDF : 63964.9/4

149.143 +/- 0.033 χ^2/NDF : 1882140.8/23

145.468 +/- 0.023 χ^2/NDF : 3886823.1/48

141.946 +/- 0.032 χ^2/NDF : 1979816.3/24

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

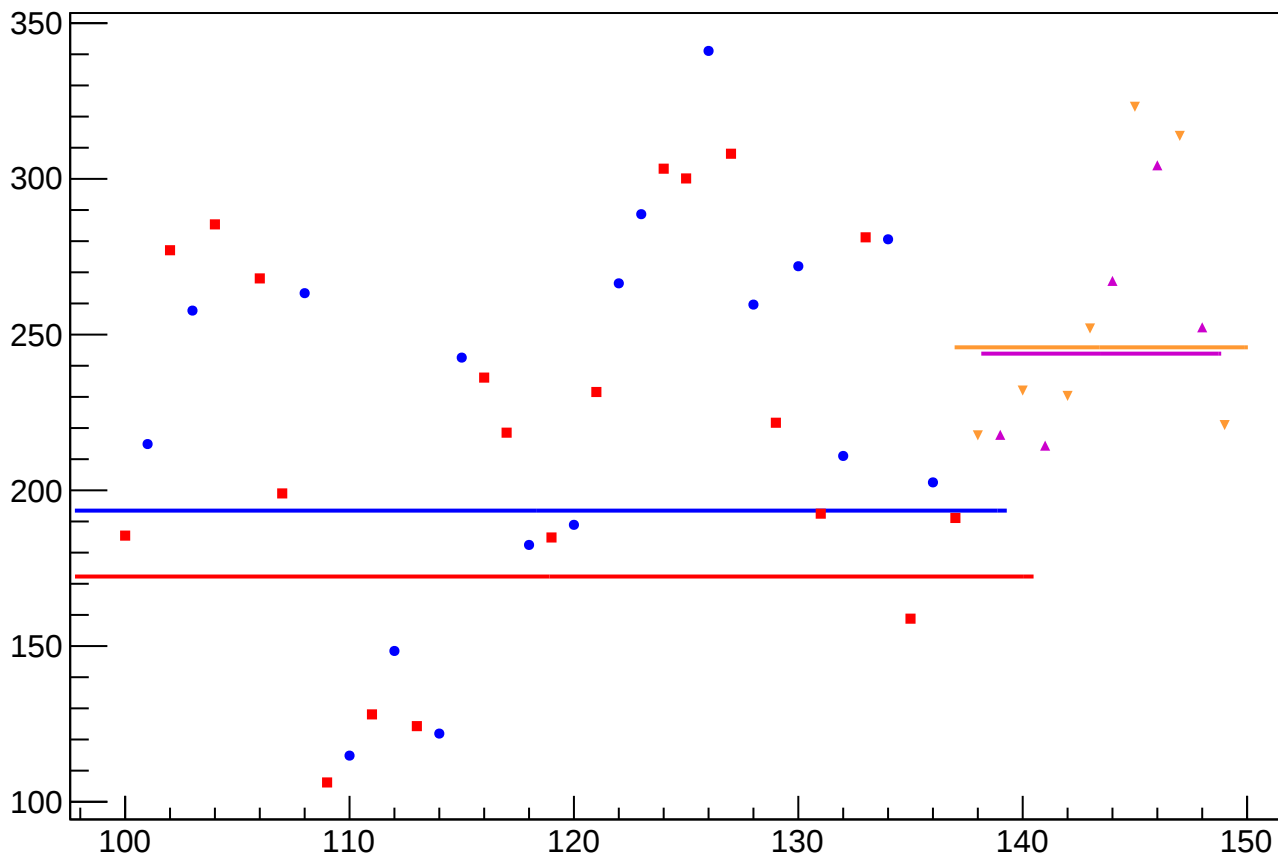
Left In: 177.971 ± 124.234 χ^2/NDF : 2.2/4

101.479 ± 64.594 χ^2/NDF : 9.2/23

68.305 ± 44.322 χ^2/NDF : 20.7/48

38.789 ± 60.929 χ^2/NDF : 11.0/24

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

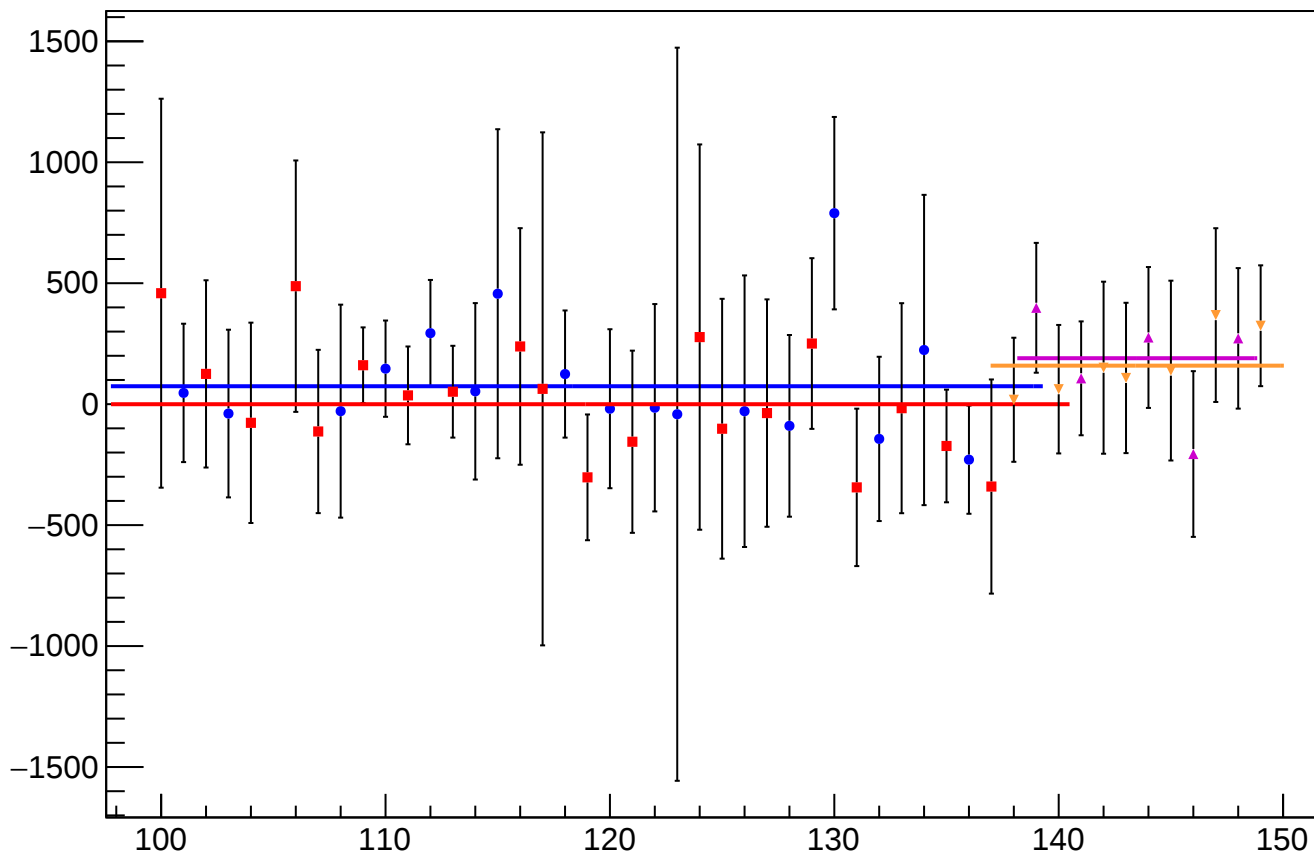
Left In: 243.887 $\pm$ 0.088 χ^2/NDF : 128760.3/4

210.881 $\pm$ 0.046 χ^2/NDF : 1523983.3/23

199.587 $\pm$ 0.031 χ^2/NDF : 3855959.9/48

189.539 $\pm$ 0.043 χ^2/NDF : 2216434.4/24

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

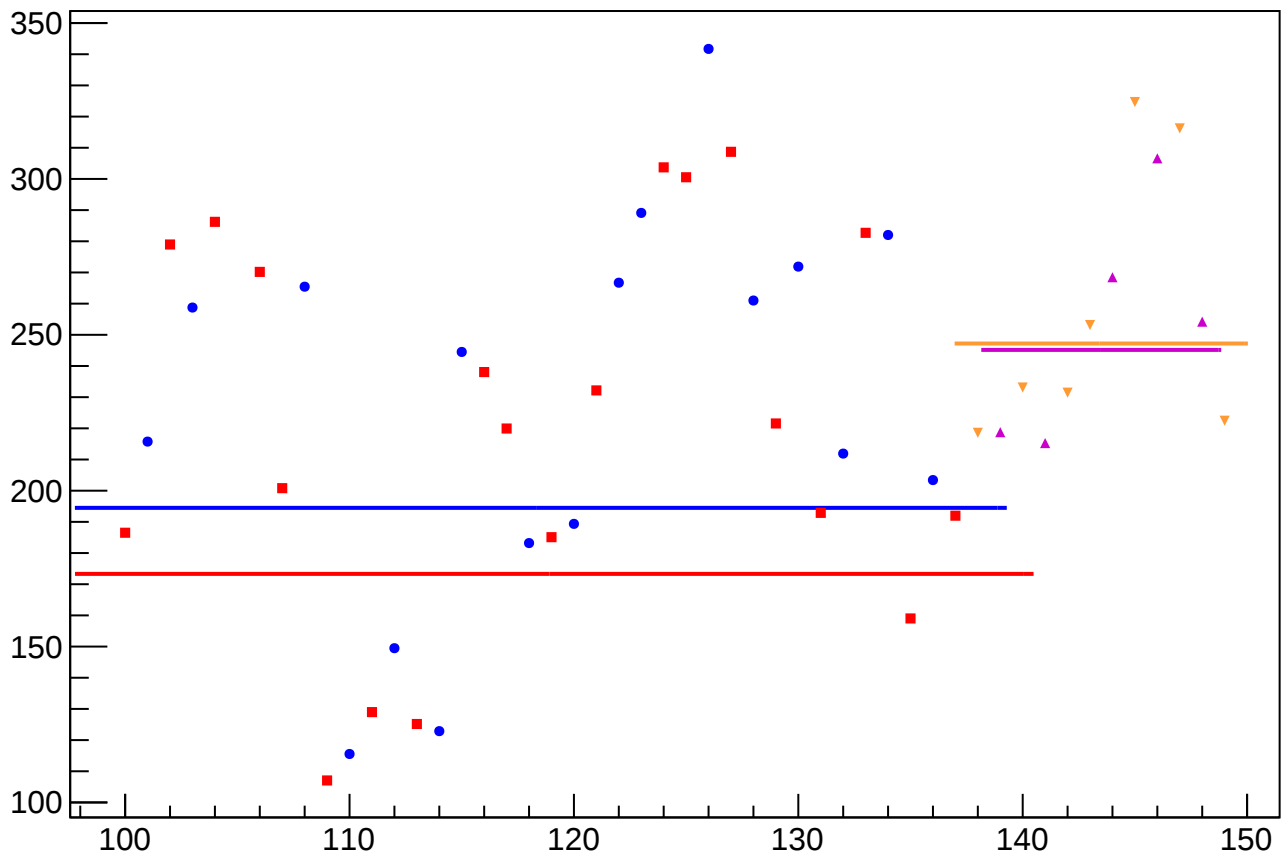
Left In: 189.949+/-124.902 χ^2/NDF : 2.2/4

102.313+/-64.919 χ^2/NDF : 9.2/23

72.262+/-44.551 χ^2/NDF : 20.9/48

45.510+/-61.251 χ^2/NDF : 11.3/24

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

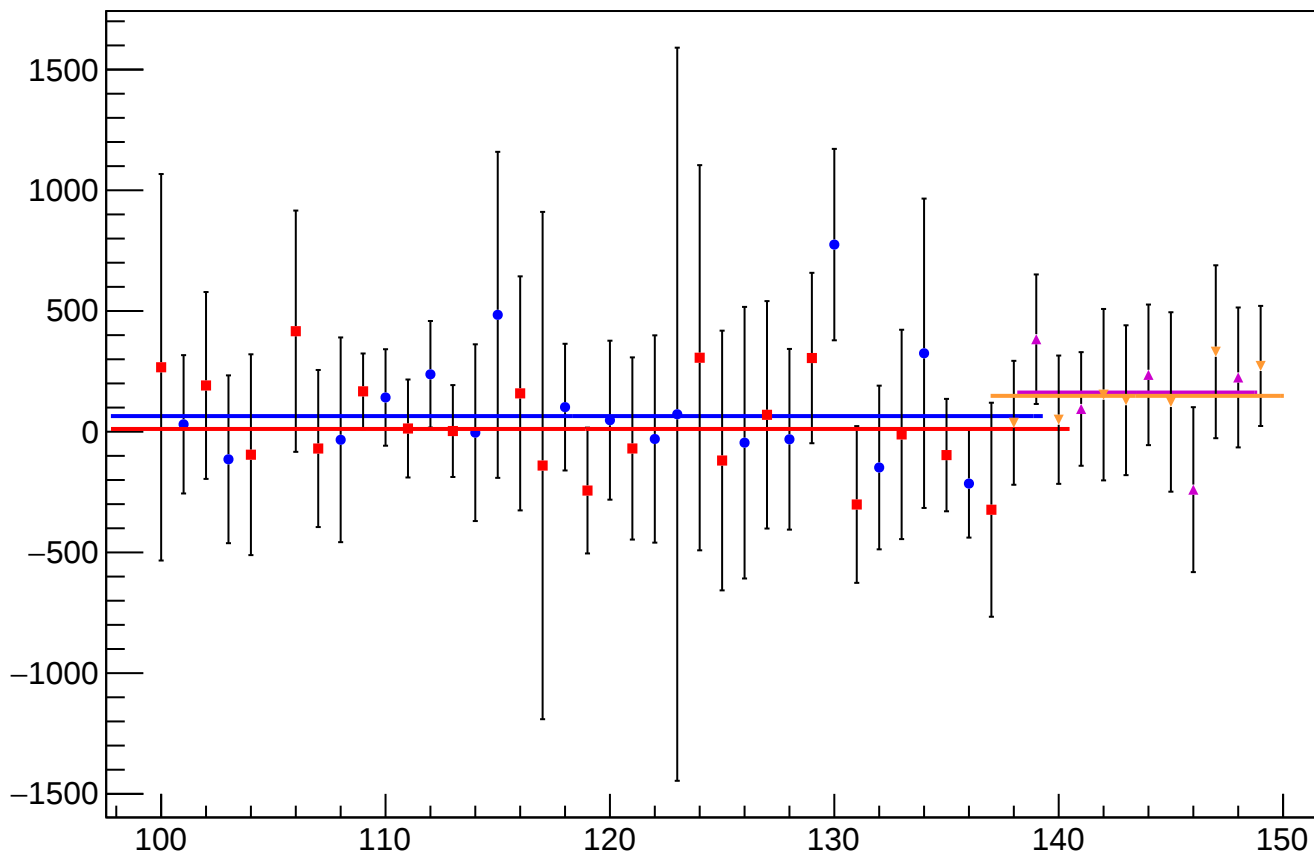
Left In: 245.160 $\pm$ 0.088 χ^2/NDF : 130725.8/4

211.974 $\pm$ 0.046 χ^2/NDF : 1516423.5/23

200.663 $\pm$ 0.032 χ^2/NDF : 3835751.4/48

190.594 $\pm$ 0.043 χ^2/NDF : 2204561.6/24

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

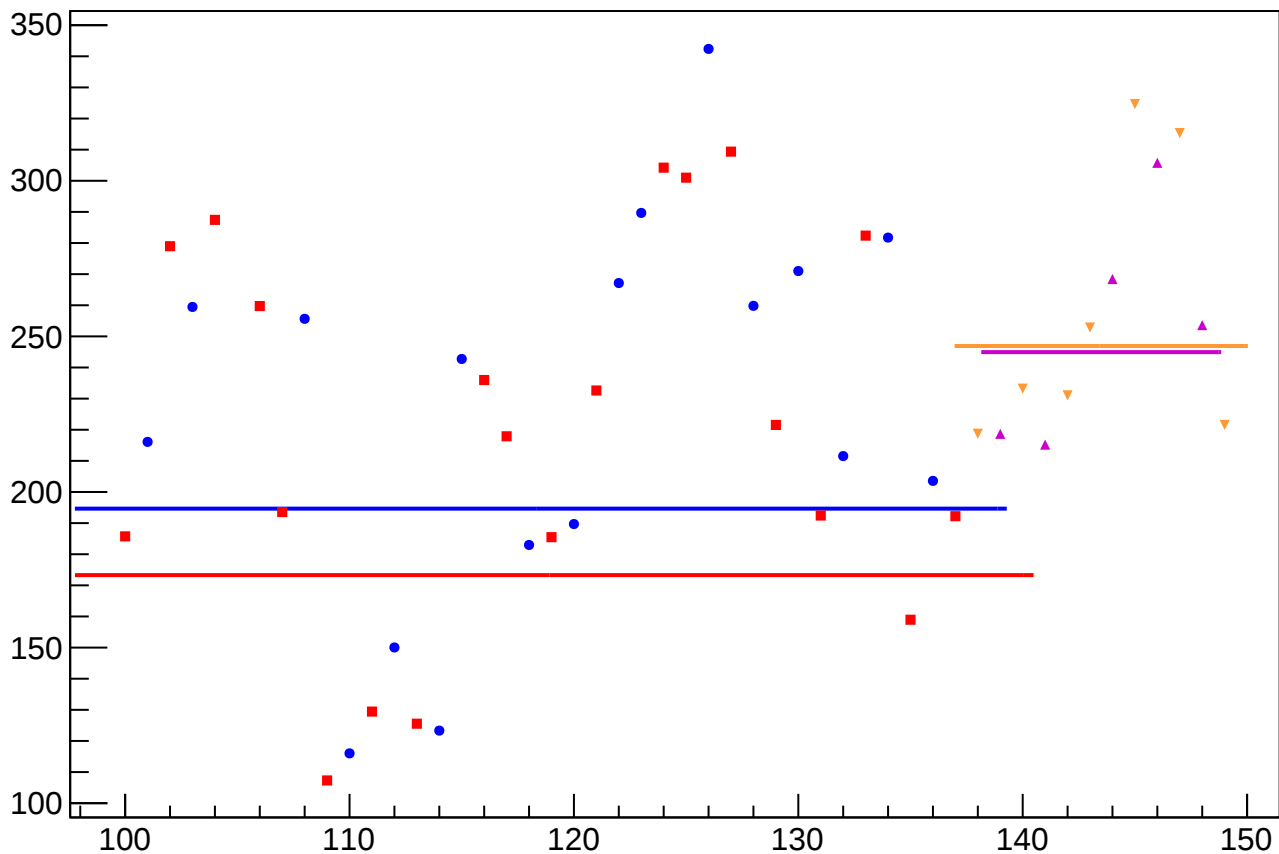
Left In: 162.318+/-124.775 χ^2/NDF : 2.3/4

92.568+/-64.890 χ^2/NDF : 8.2/23

68.816+/-44.516 χ^2/NDF : 17.7/48

47.699+/-61.184 χ^2/NDF : 9.2/24

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.652 $\pm$ 0.056 χ^2/NDF : 986798.9/16

Left Out: 246.915 $\pm$ 0.080 χ^2/NDF : 215487.5/6

Right Out: 173.289 $\pm$ 0.050 χ^2/NDF : 1548162.6/19

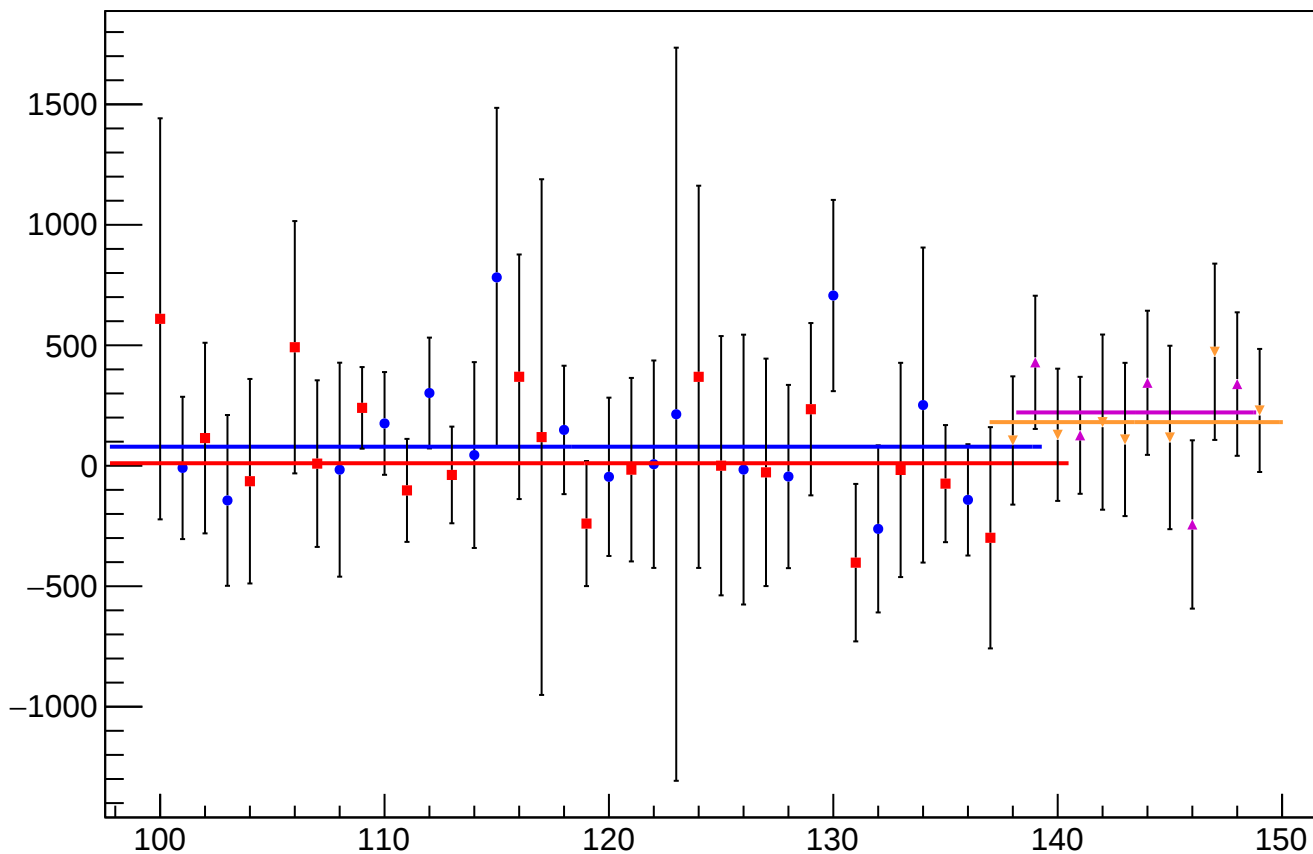
Left In: 244.945 $\pm$ 0.088 χ^2/NDF : 129317.0/4

212.007 $\pm$ 0.046 χ^2/NDF : 1490048.5/23

200.632 $\pm$ 0.031 χ^2/NDF : 3784631.5/48

190.518 $\pm$ 0.043 χ^2/NDF : 2178474.7/24

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

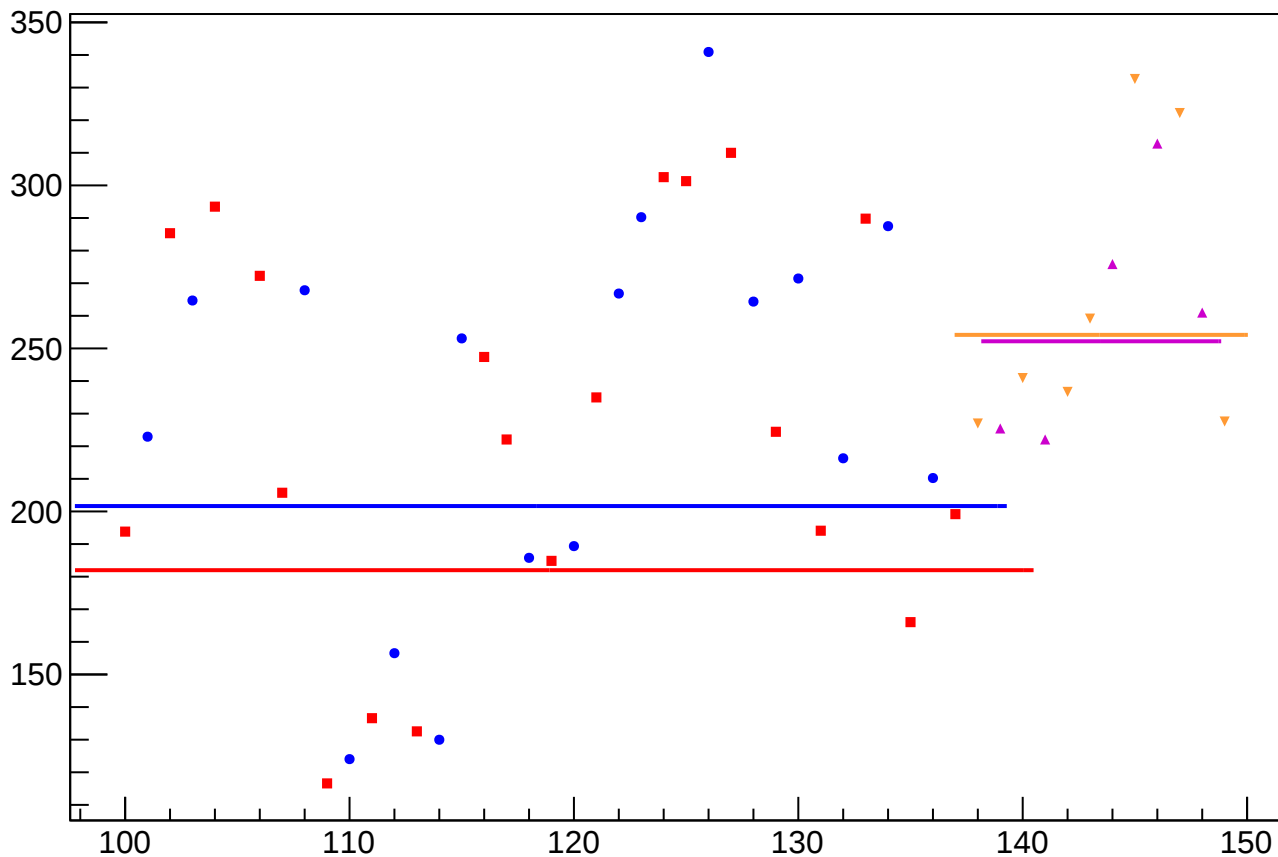
Left In: 221.355 $\pm$ 128.349 χ^2 /NDF: 2.8/4

113.116 $\pm$ 66.857 χ^2 /NDF: 8.9/23

86.355 $\pm$ 46.060 χ^2 /NDF: 21.9/48

62.179 $\pm$ 63.545 χ^2 /NDF: 12.7/24

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

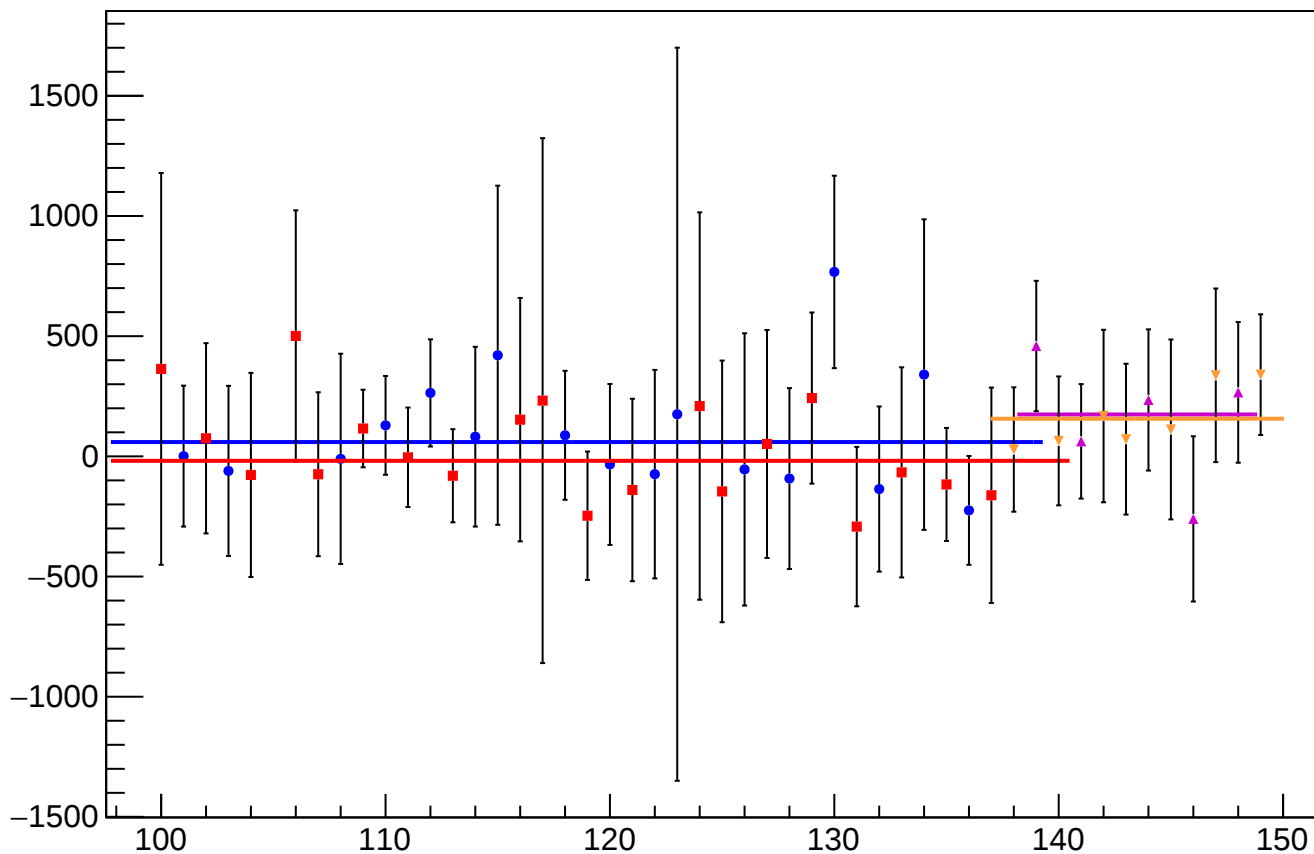
Left In: 252.190 $\pm$ 0.091 χ^2 /NDF:124053.0/4

219.148 $\pm$ 0.047 χ^2 /NDF: 1363676.3/23

208.665 $\pm$ 0.033 χ^2 /NDF: 3413294.9/48

199.194 $\pm$ 0.045 χ^2 /NDF: 1956017.4/24

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.496 ± 80.808 $\chi^2/\text{NDF}: 7.0/16$

Left Out: 156.631 ± 113.634 $\chi^2/\text{NDF}: 1.2/6$

Right Out: -18.457 ± 71.711 $\chi^2/\text{NDF}: 4.8/19$

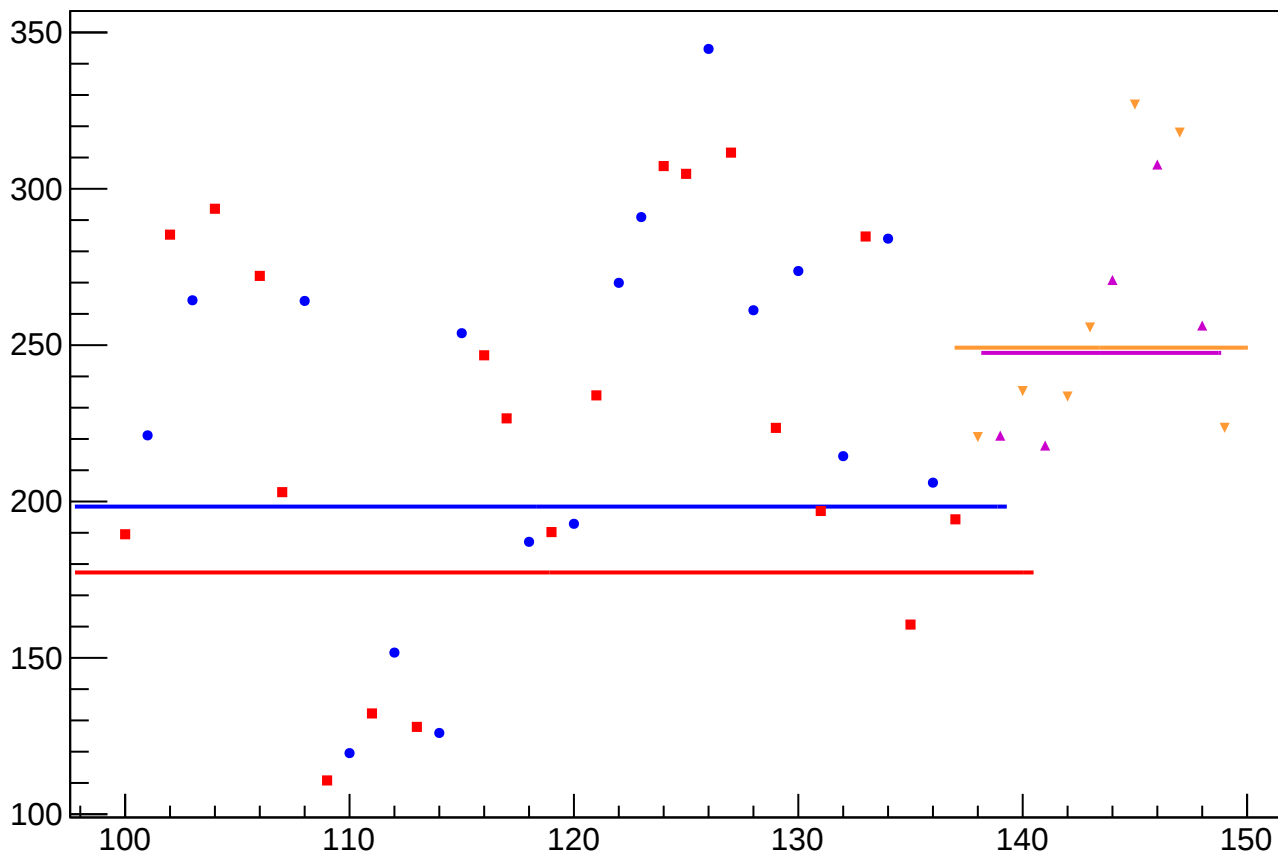
Left In: 174.245 ± 126.041 $\chi^2/\text{NDF}: 3.1/4$

92.119 ± 65.855 $\chi^2/\text{NDF}: 8.7/23$

58.649 ± 45.268 $\chi^2/\text{NDF}: 18.8/48$

28.667 ± 62.329 $\chi^2/\text{NDF}: 9.6/24$

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.378 $\pm$ 0.057 χ^2 /NDF: 963672.6/16

Left Out: 249.200 $\pm$ 0.080 χ^2 /NDF: 214103.8/6

Right Out: 177.309 $\pm$ 0.051 χ^2 /NDF: 1528855.2/19

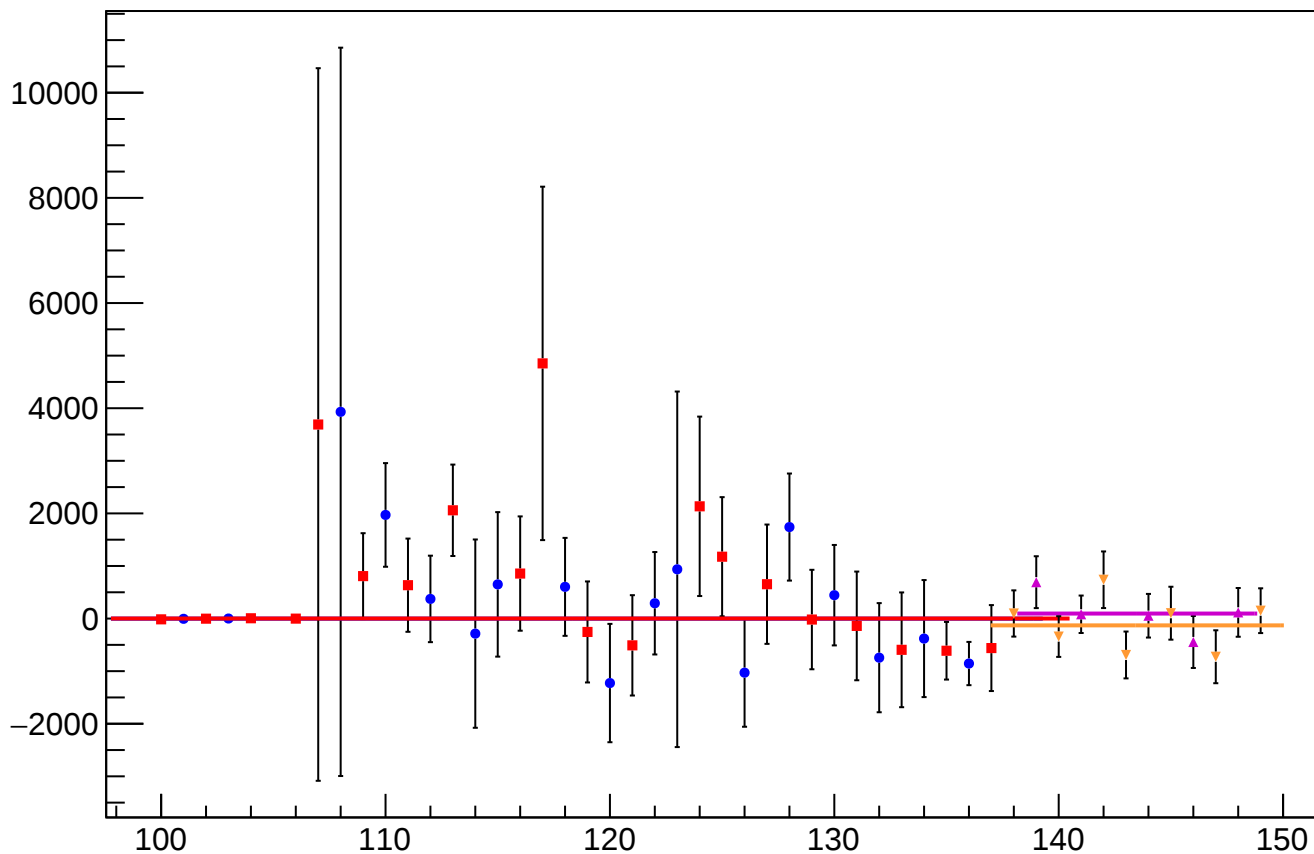
Left In: 247.526 $\pm$ 0.089 χ^2 /NDF: 125816.3/4

215.447 $\pm$ 0.047 χ^2 /NDF: 1443467.8/23

204.388 $\pm$ 0.032 χ^2 /NDF: 3673991.2/48

194.480 $\pm$ 0.044 χ^2 /NDF: 2123584.8/24

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

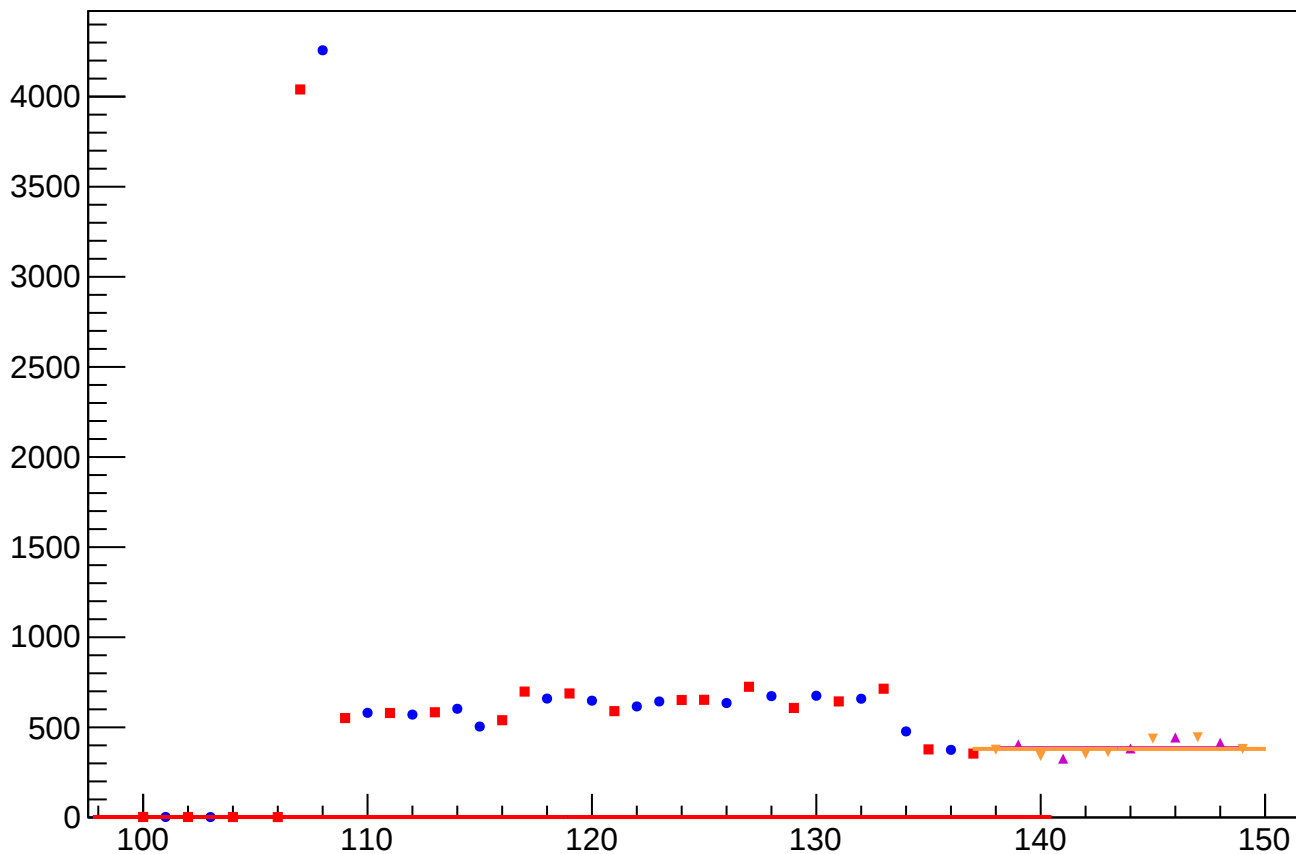
Left In: 95.289 ± 194.074 χ^2/NDF : 2.7/4

-1.551 ± 2.251 χ^2/NDF : 24.3/23

-0.332 ± 1.540 χ^2/NDF : 49.2/48

0.740 ± 2.111 χ^2/NDF : 24.3/24

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

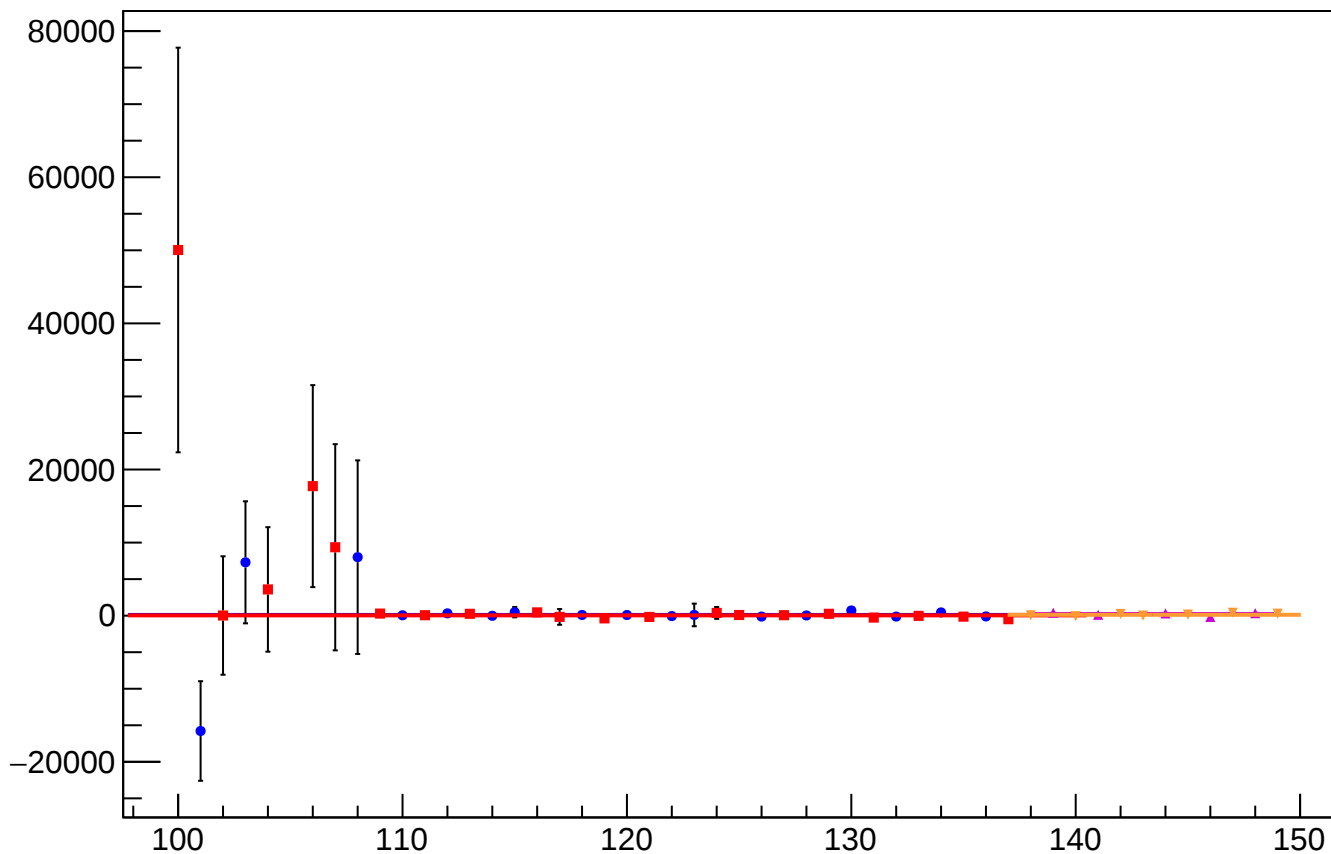
Left In: 384.421+/-0.137 χ^2/NDF : 93899.3/4

2.521+/-0.002 χ^2/NDF : 20583261.9/23

2.501+/-0.001 χ^2/NDF : 39657696.7/48

2.482+/-0.001 χ^2/NDF : 19074113.1/24

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

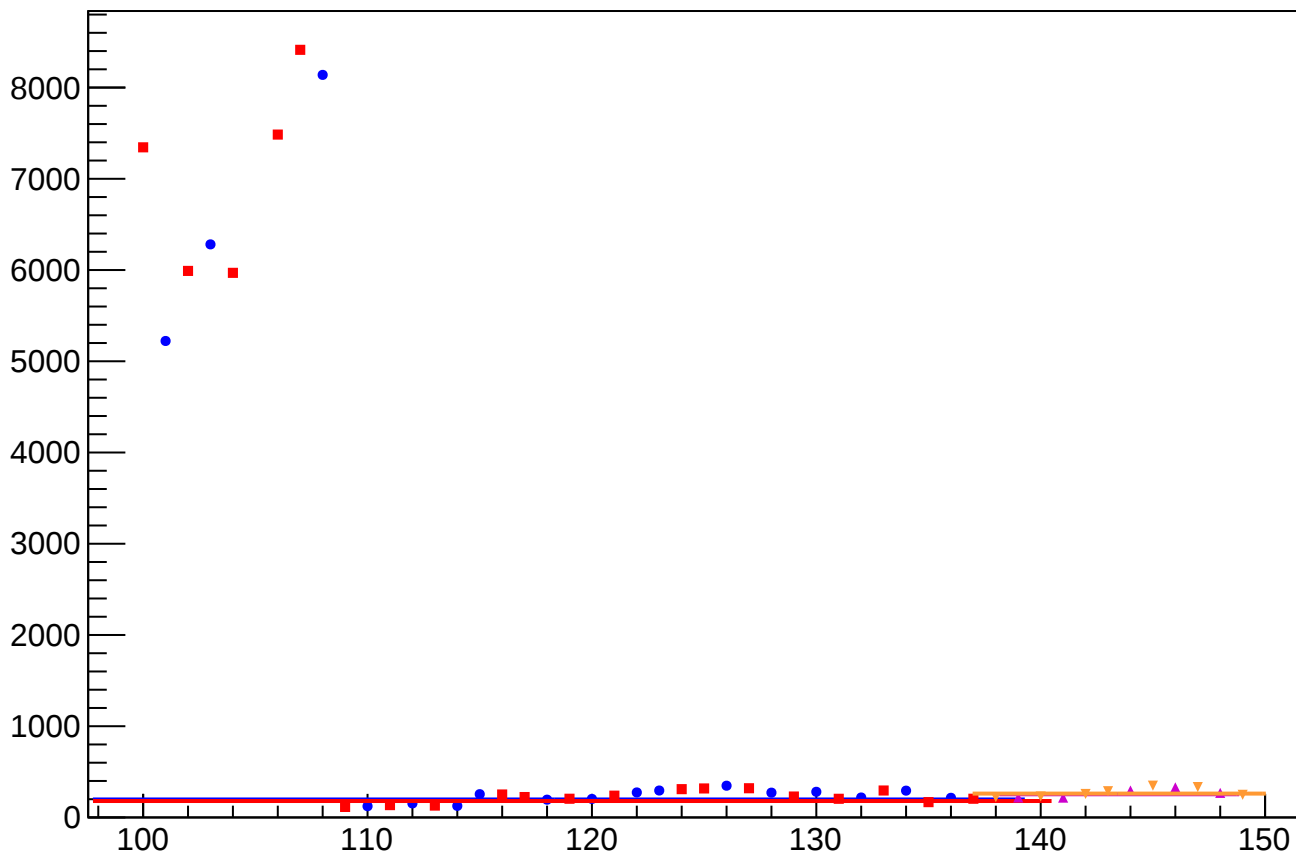
Left In: 221.291+/-130.050 χ^2/NDF : 2.0/4

106.752+/-72.347 χ^2/NDF : 13.5/23

100.384+/-50.565 χ^2/NDF : 30.8/48

94.302+/-70.701 χ^2/NDF : 17.3/24

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

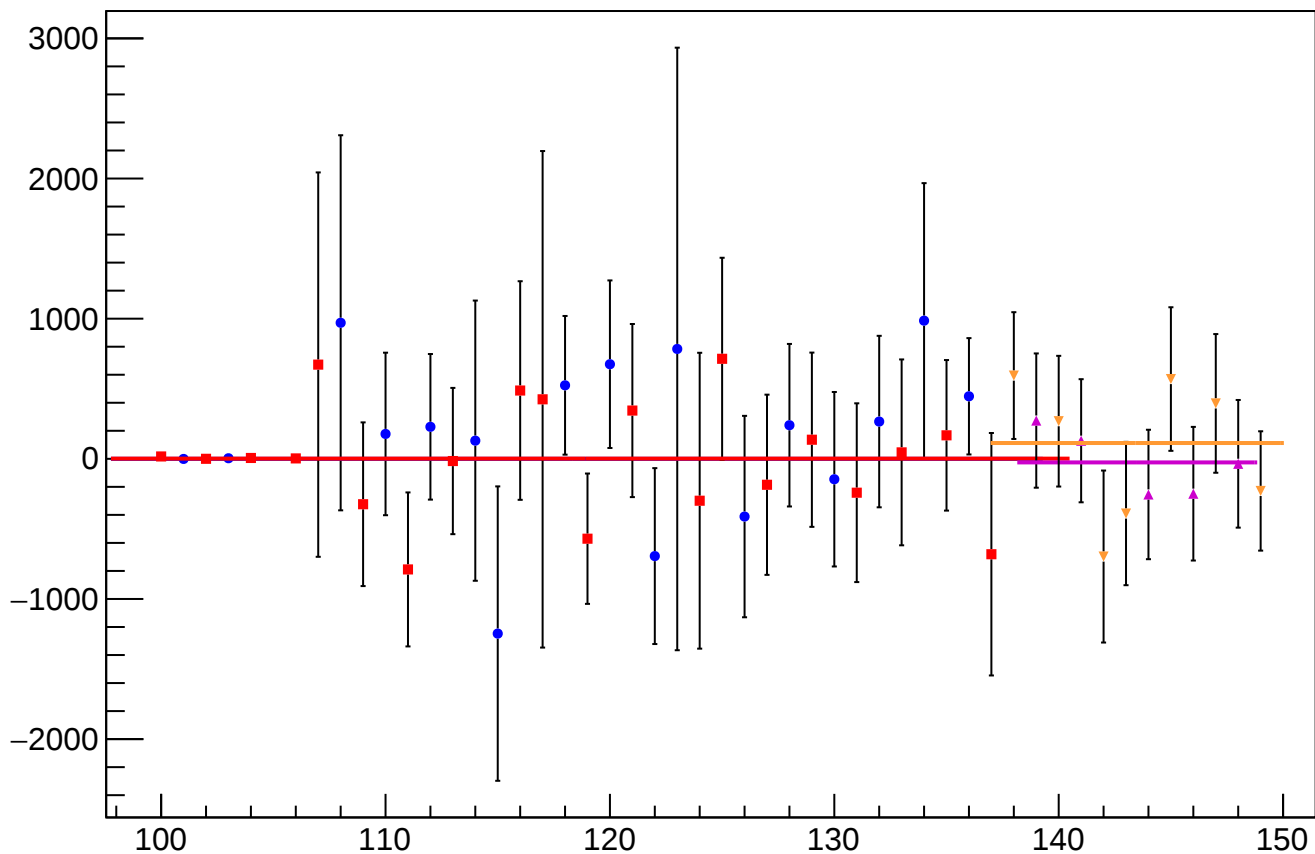
Left In: 254.057+/-0.092 χ^2/NDF : 205243.4/4

220.668+/-0.051 χ^2/NDF : 4321838.6/23

211.140+/-0.036 χ^2/NDF : 9373540.2/48

202.040+/-0.050 χ^2/NDF : 4983886.7/24

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

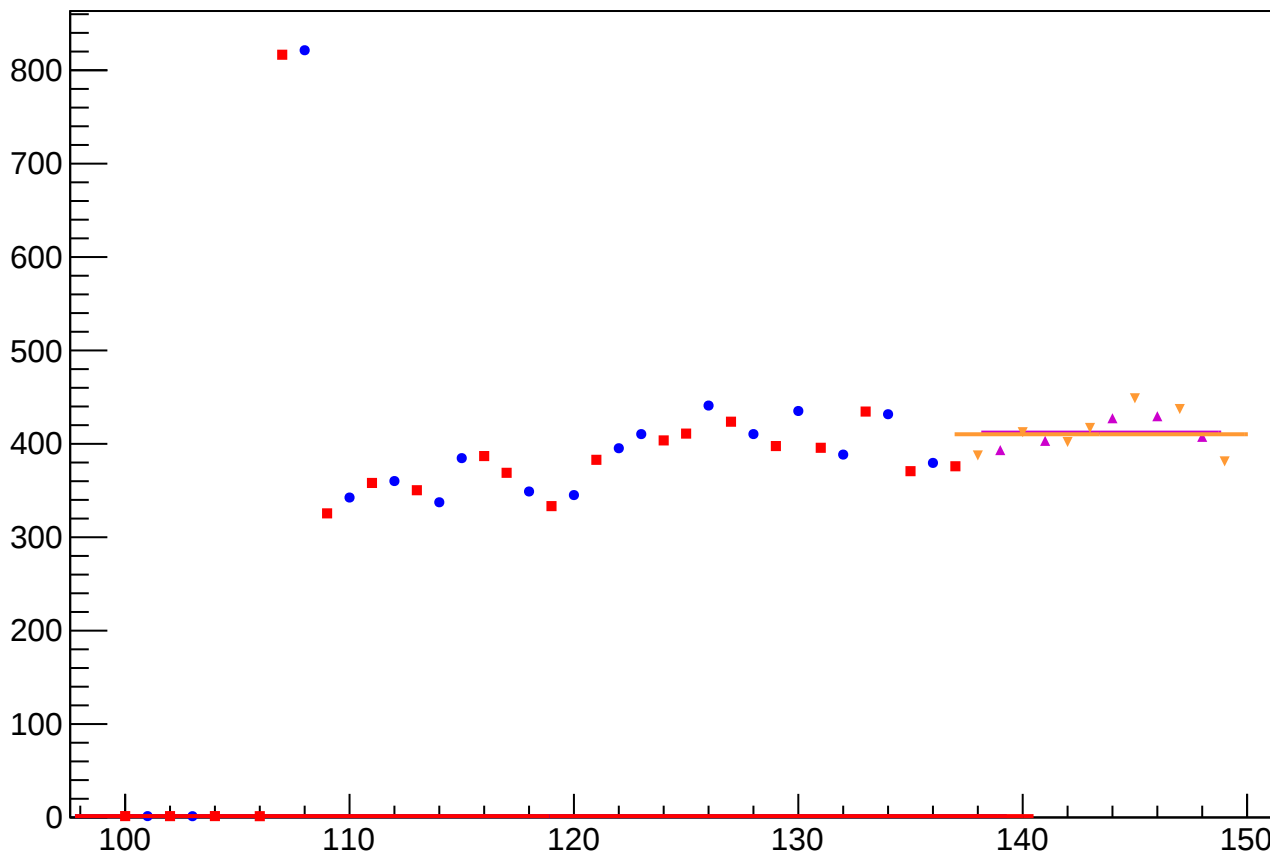
Left In: -25.630 ± 206.508 χ^2/NDF : 1.0/4

-0.128 ± 1.737 χ^2/NDF : 15.8/23

0.646 ± 1.186 χ^2/NDF : 26.9/48

1.322 ± 1.623 χ^2/NDF : 10.7/24

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

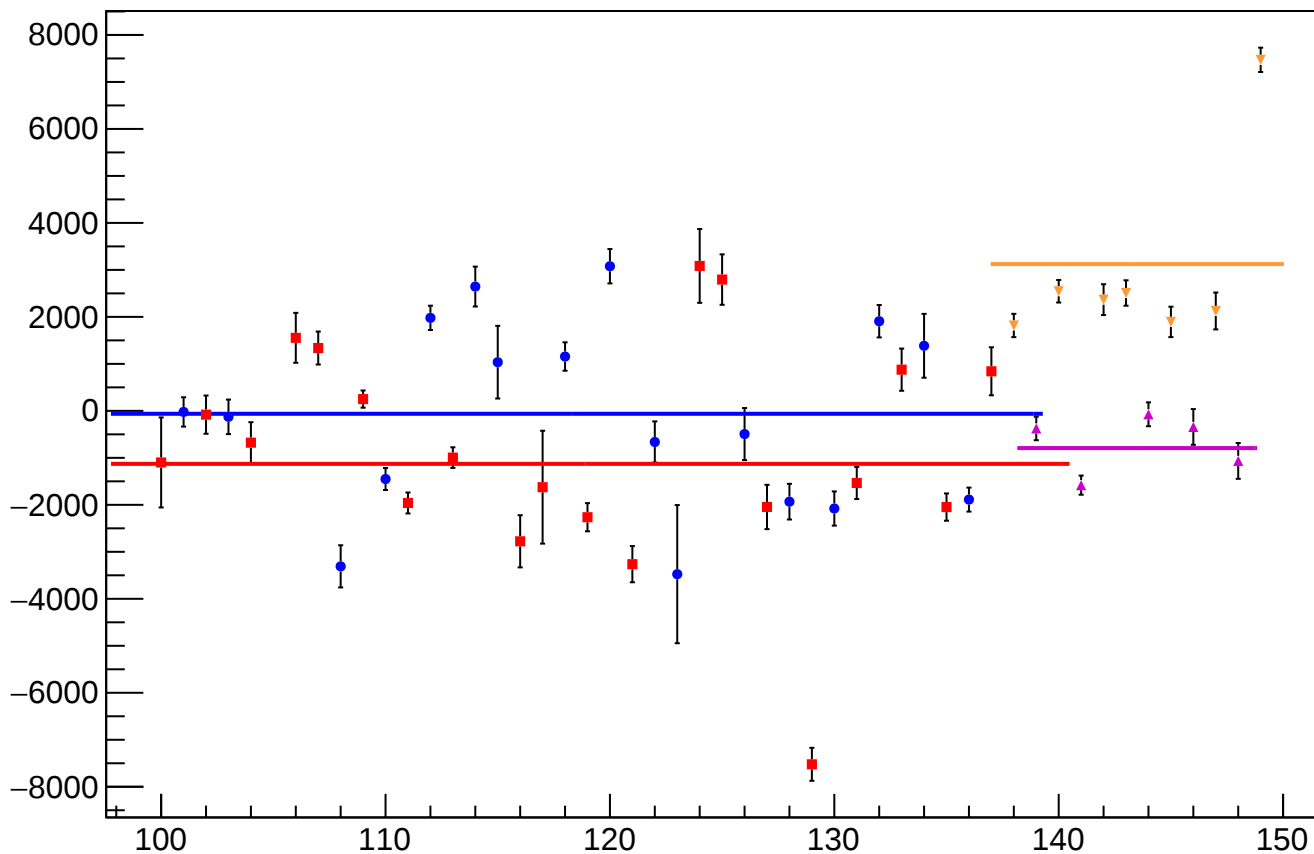
Left In: 412.038+/-0.146 χ^2/NDF : 8978.9/4

1.489+/-0.001 χ^2/NDF : 20809457.7/23

1.482+/-0.001 χ^2/NDF : 39691020.9/48

1.477+/-0.001 χ^2/NDF : 18881509.4/24

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -62.164 ± 87.424 χ^2/NDF : 433.9/16

Left Out: 3123.159 ± 106.846 χ^2/NDF : 347.3/6

Right Out: -1127.552 ± 78.203 χ^2/NDF : 671.4/19

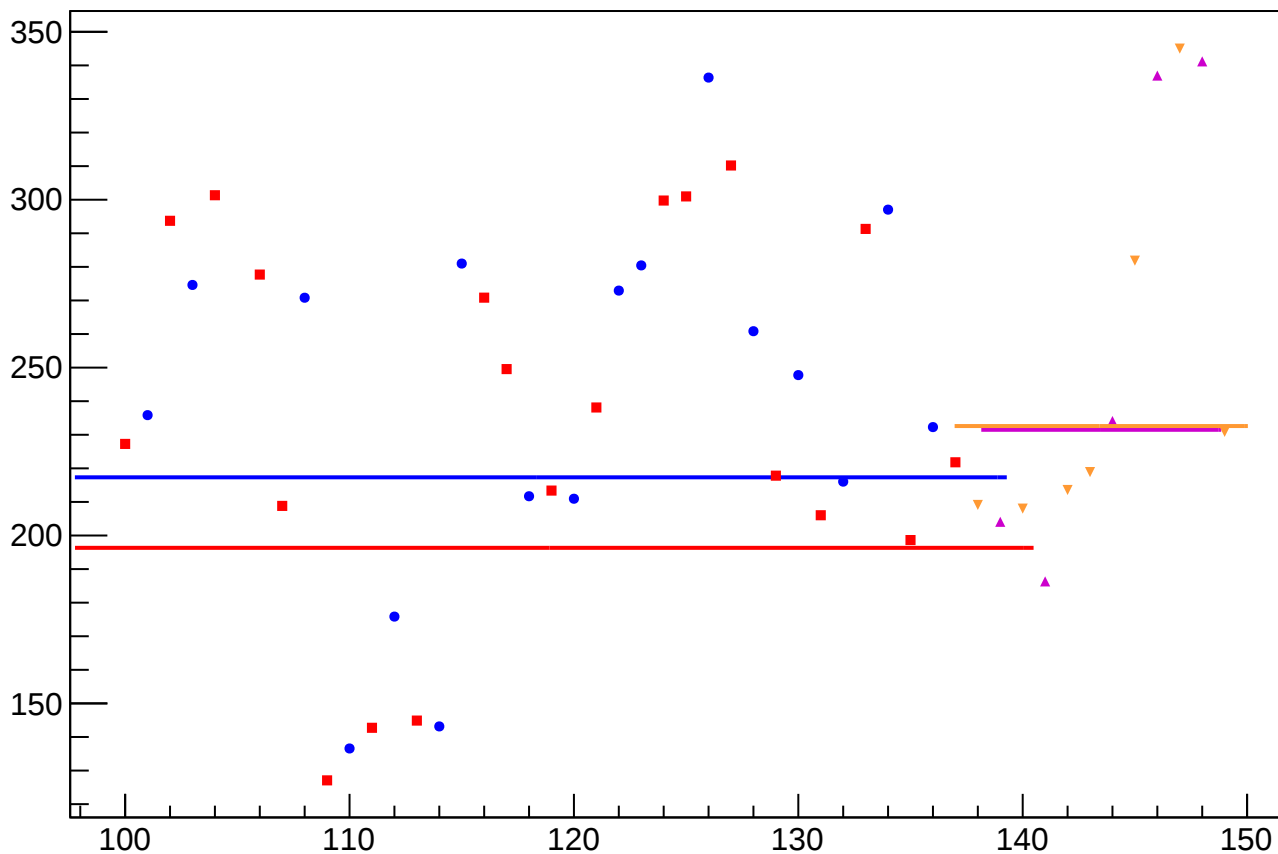
Left In: -792.071 ± 120.120 χ^2/NDF : 27.7/4

1215.188 ± 67.661 χ^2/NDF : 1313.6/23

58.008 ± 47.075 χ^2/NDF : 2585.1/48

-1027.684 ± 65.538 χ^2/NDF : 704.6/24

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

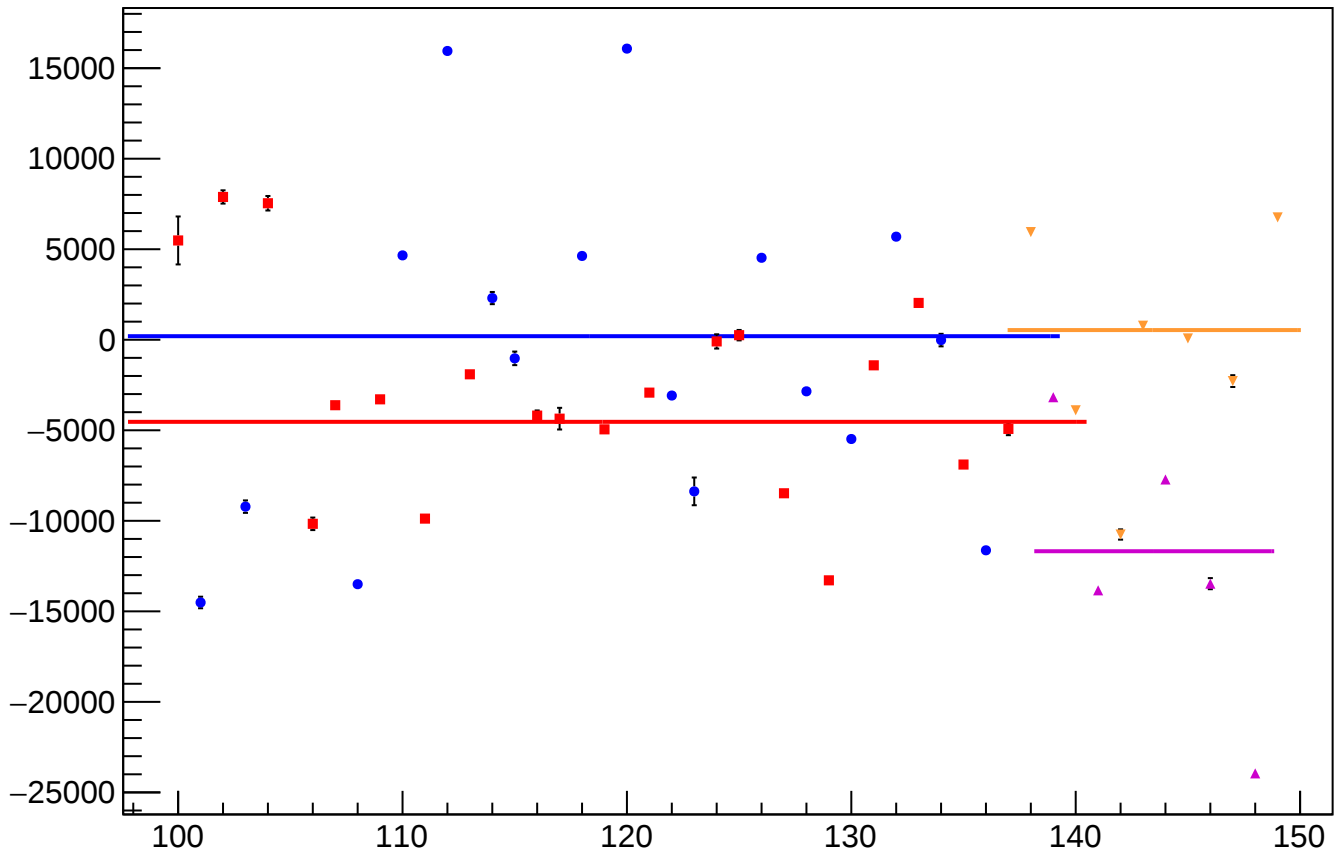
Left In: 231.483 $\pm$ 0.085 χ^2/NDF : 441792.5/4

223.453 $\pm$ 0.048 χ^2/NDF : 938477.1/23

214.859 $\pm$ 0.033 χ^2/NDF : 2757772.0/48

206.796 $\pm$ 0.046 χ^2/NDF : 1756757.9/24

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

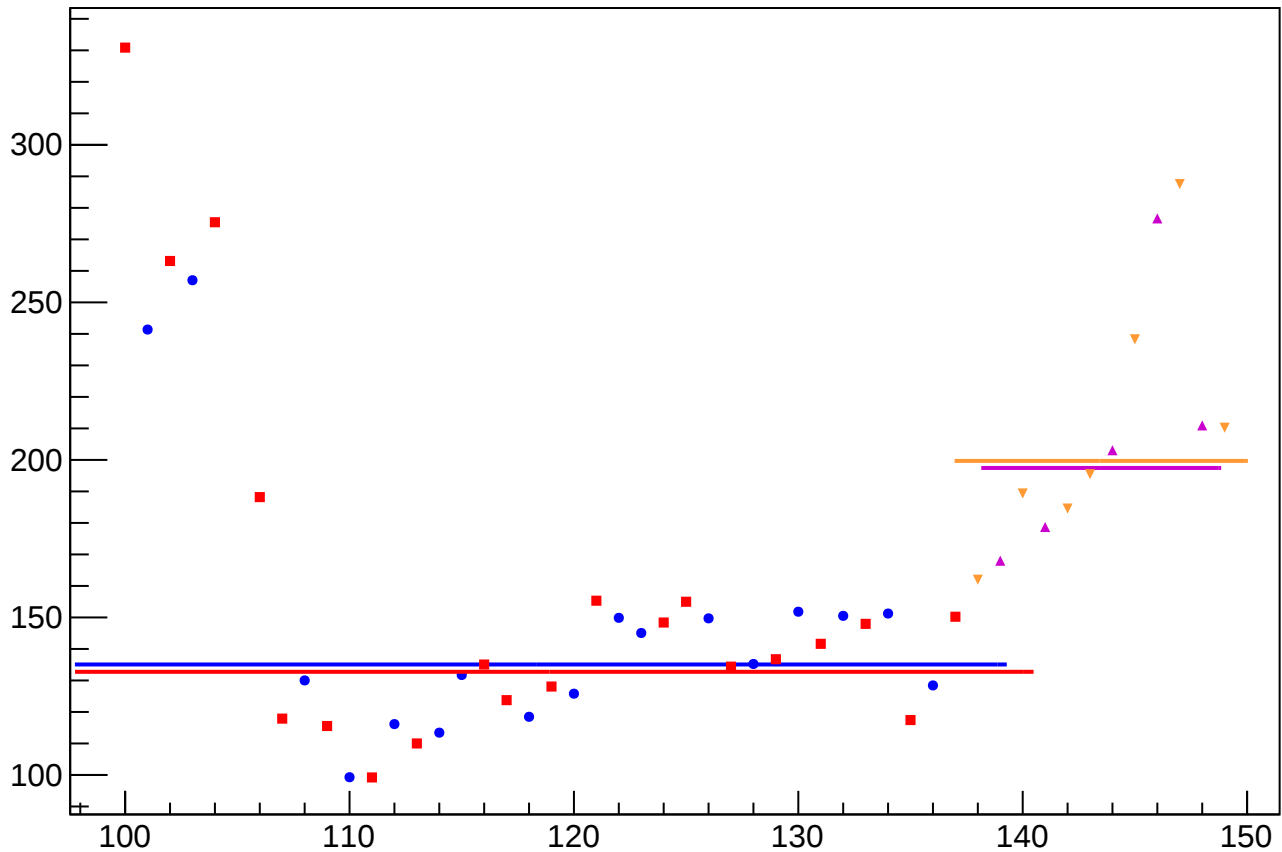
Left In: -11679.907+/-101.222 χ^2/NDF : 4704.0/4

286.167+/-47.013 χ^2/NDF : 34261.9/23

-2914.422+/-33.038 χ^2/NDF : 59535.9/48

-6037.055+/-46.437 χ^2/NDF : 16117.5/24

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

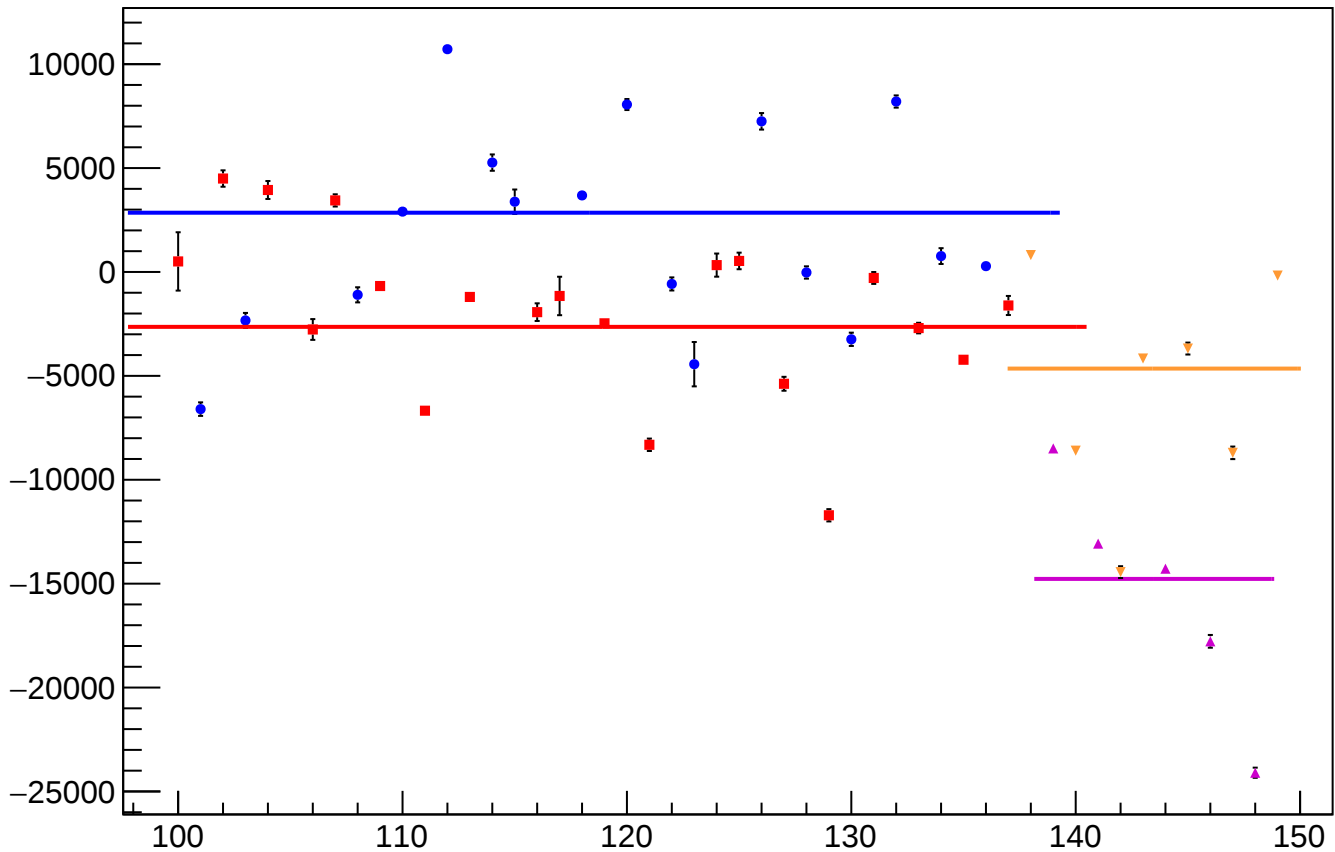
Left In: 197.445+/-0.072 χ^2/NDF : 199494.8/4

152.128+/-0.033 χ^2/NDF : 1671221.3/23

149.210+/-0.023 χ^2/NDF : 3362684.3/48

146.364+/-0.033 χ^2/NDF : 1676245.1/24

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2851.437 $\pm$ 70.753 χ^2 /NDF: 4178.1/16

Left Out: -4649.754 $\pm$ 91.699 χ^2 /NDF:2844.6/6

Right Out: -2641.642 $\pm$ 65.566 χ^2 /NDF: 3178.3/19

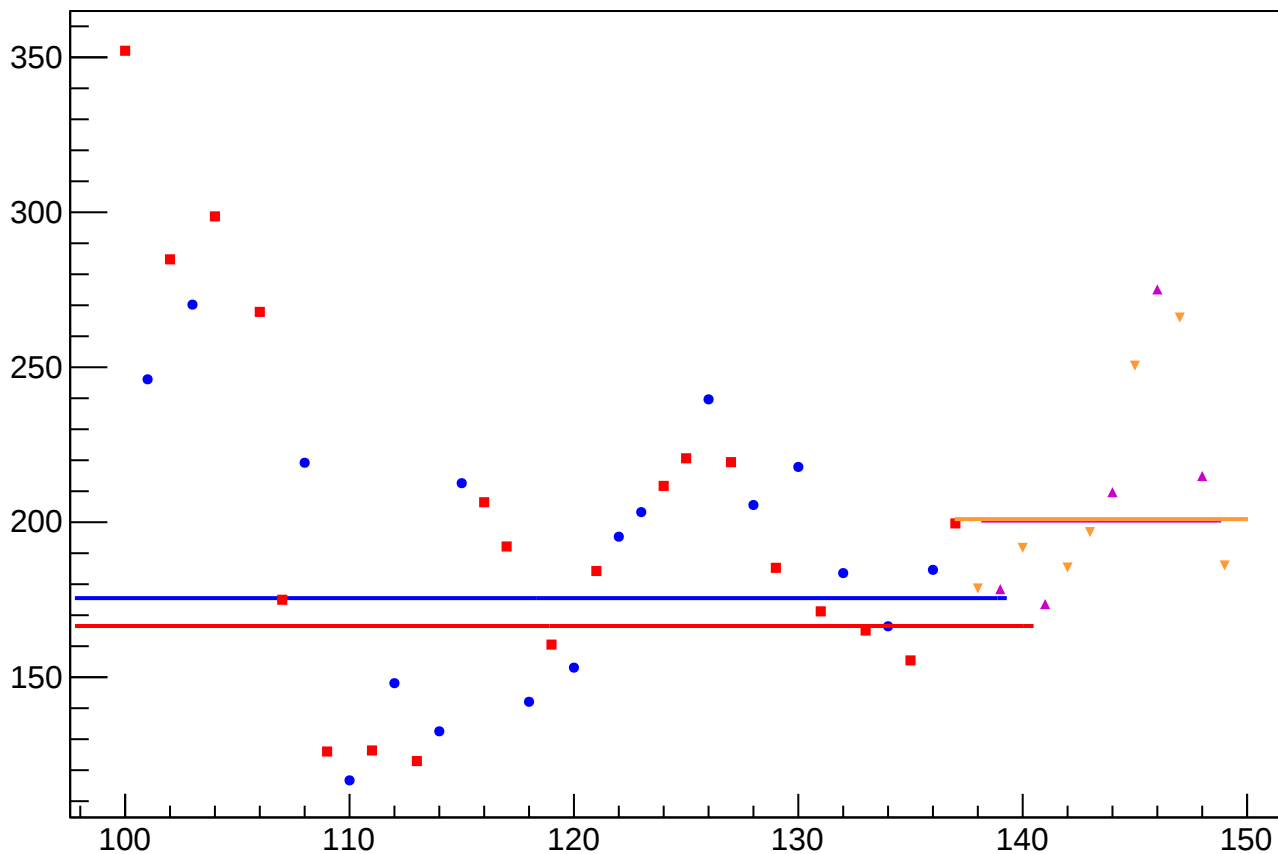
Left In: -14771.665 $\pm$ 102.383 χ^2 /NDF:2463.3/4

52.174 $\pm$ 56.017 χ^2 /NDF: 11217.3/23

-3103.560 $\pm$ 39.323 χ^2 /NDF: 33070.3/48

-6169.473 $\pm$ 55.214 χ^2 /NDF: 15596.1/24

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

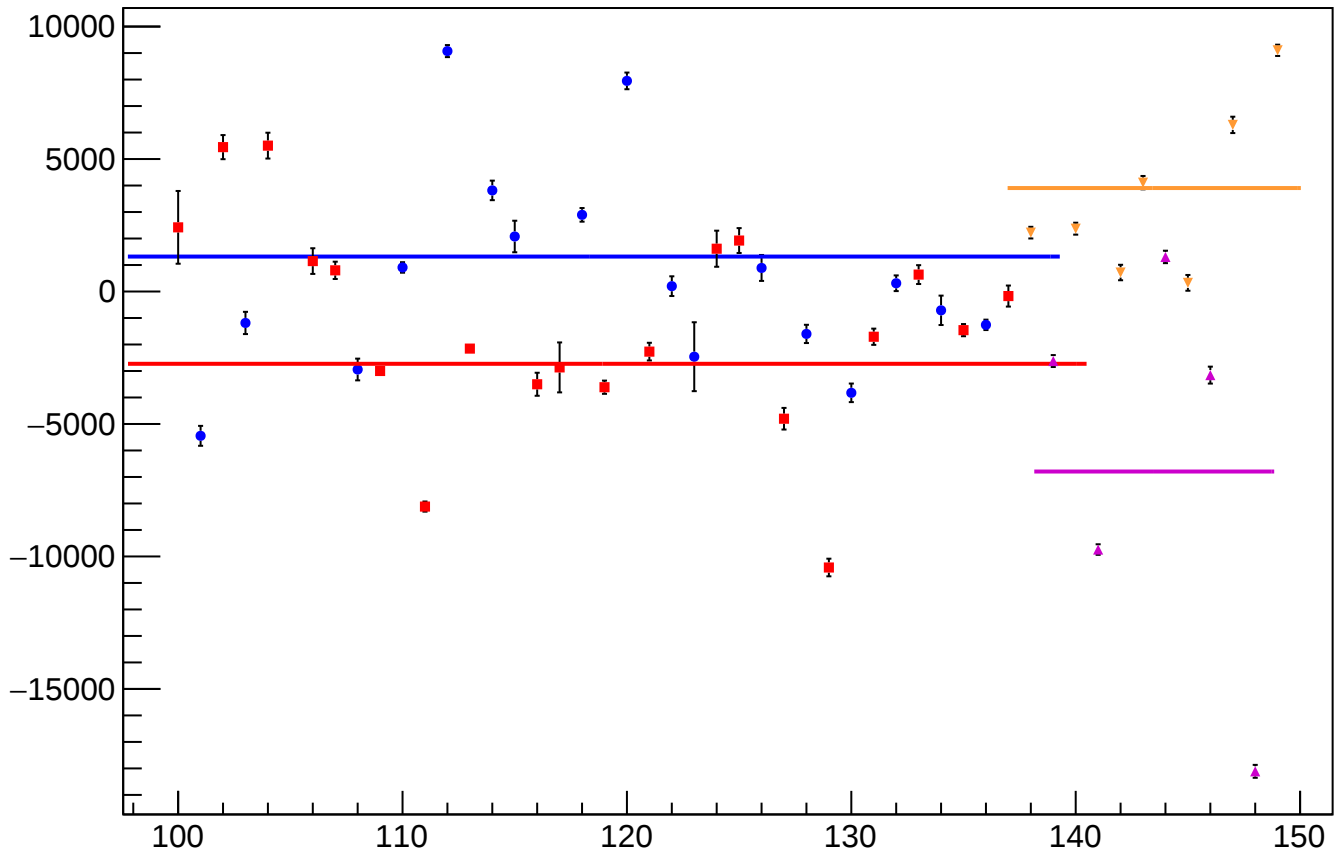
Left In: 200.520 +/- 0.072 χ^2/NDF : 189093.7/4

185.028 +/- 0.040 χ^2/NDF : 981661.9/23

180.657 +/- 0.028 χ^2/NDF : 2282237.6/48

176.410 +/- 0.039 χ^2/NDF : 1276564.4/24

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1319.009 ± 77.146 $\chi^2/\text{NDF}: 2667.0/16$

Left Out: 3905.031 ± 94.709 $\chi^2/\text{NDF}: 1023.6/6$

Right Out: -2728.550 ± 69.837 $\chi^2/\text{NDF}: 2495.9/19$

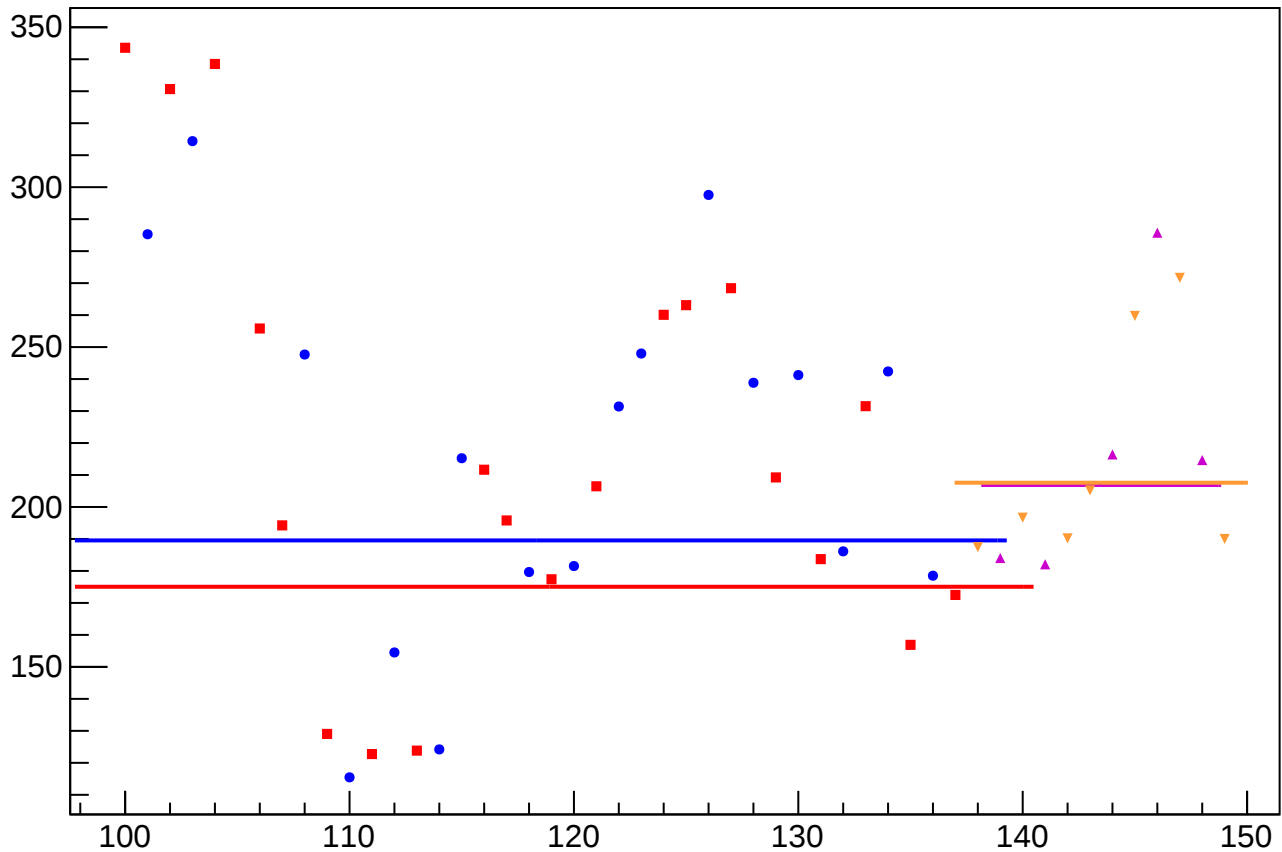
Left In: -6794.275 ± 105.606 $\chi^2/\text{NDF}: 4032.2/4$

2350.463 ± 59.814 $\chi^2/\text{NDF}: 4138.8/23$

-891.096 ± 41.731 $\chi^2/\text{NDF}: 17420.8/48$

-3965.573 ± 58.252 $\chi^2/\text{NDF}: 7559.3/24$

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 189.544 +/- 0.055 χ^2/NDF : 980744.6/16

Left Out: 207.587 +/- 0.067 χ^2/NDF : 189657.2/6

Right Out: 175.058 +/- 0.049 χ^2/NDF : 1298079.7/19

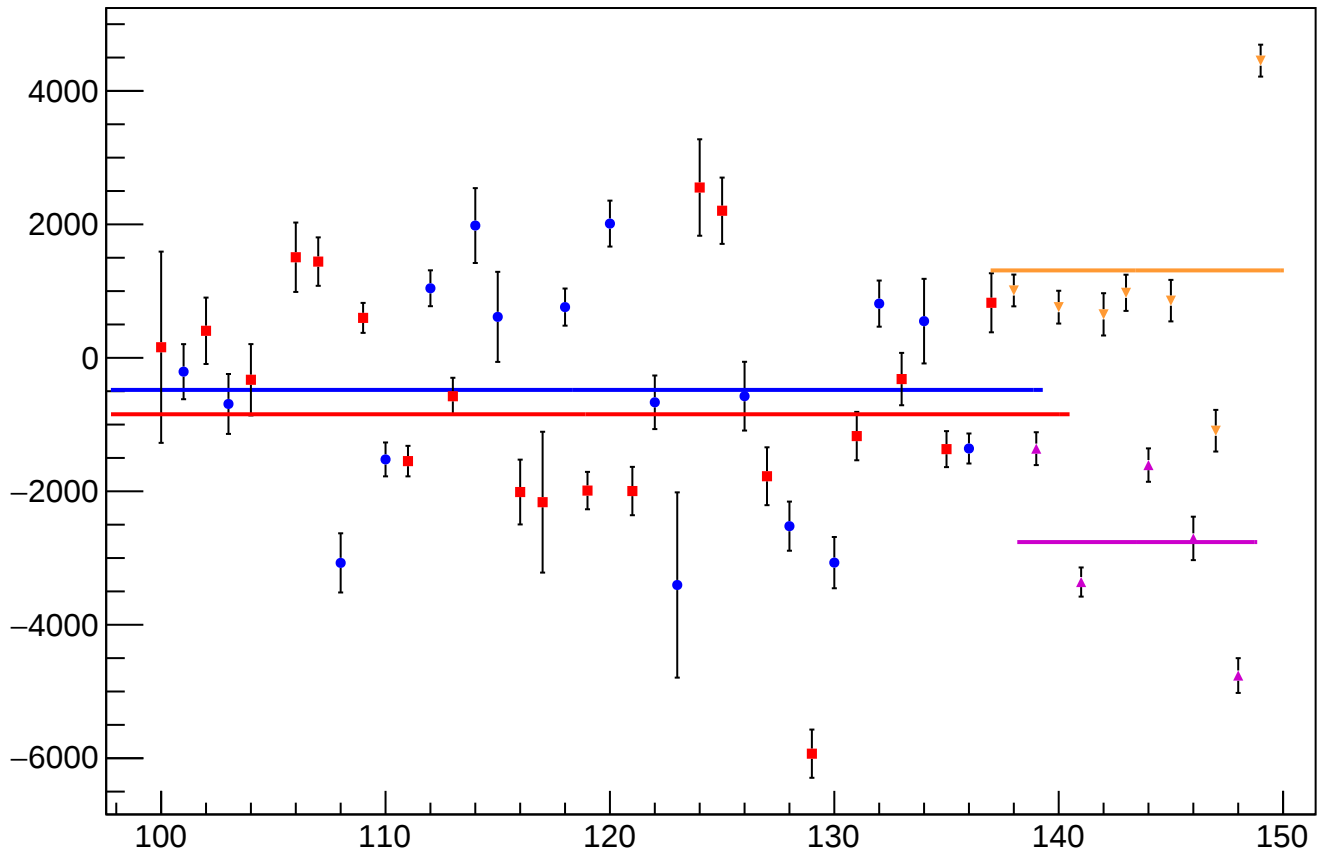
Left In: 206.884 +/- 0.075 χ^2/NDF : 178815.1/4

196.741 +/- 0.042 χ^2/NDF : 1214035.9/23

190.582 +/- 0.030 χ^2/NDF : 2858618.1/48

184.741 +/- 0.041 χ^2/NDF : 1603270.8/24

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -480.578±/88.640 χ^2/NDF : 290.7/16

Left Out: 1310.206±/102.150 χ^2/NDF : 246.4/6

Right Out: -845.444±/81.995 χ^2/NDF : 436.9/19

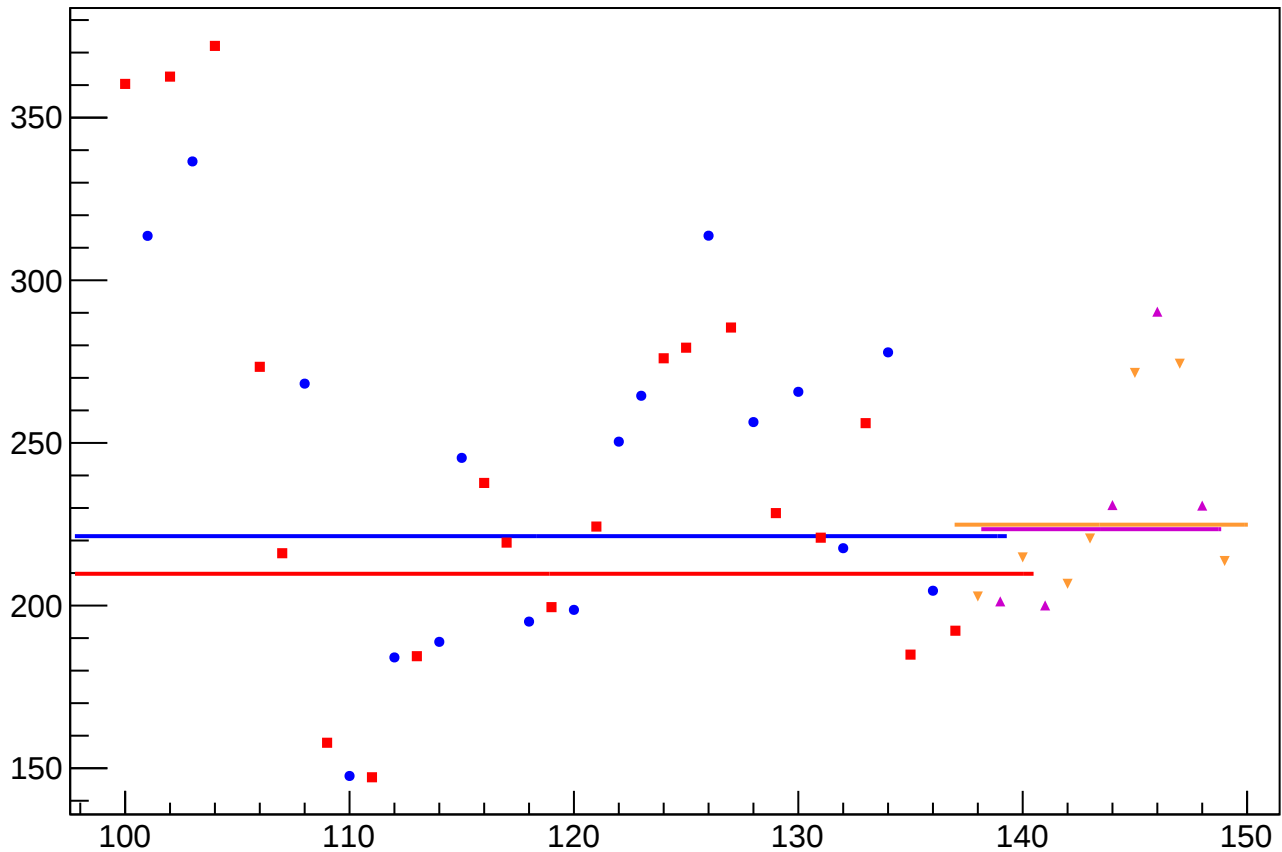
Left In: -2760.820±/113.537 χ^2/NDF : 120.1/4

288.644±/66.949 χ^2/NDF : 712.4/23

-613.063±/47.171 χ^2/NDF : 1816.6/48

-1501.989±/66.472 χ^2/NDF : 744.0/24

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.342 $\pm$ 0.063 χ^2/NDF : 645688.1/16

Left Out: 224.873 $\pm$ 0.072 χ^2/NDF : 127286.3/6

Right Out: 209.775 $\pm$ 0.058 χ^2/NDF : 884083.7/19

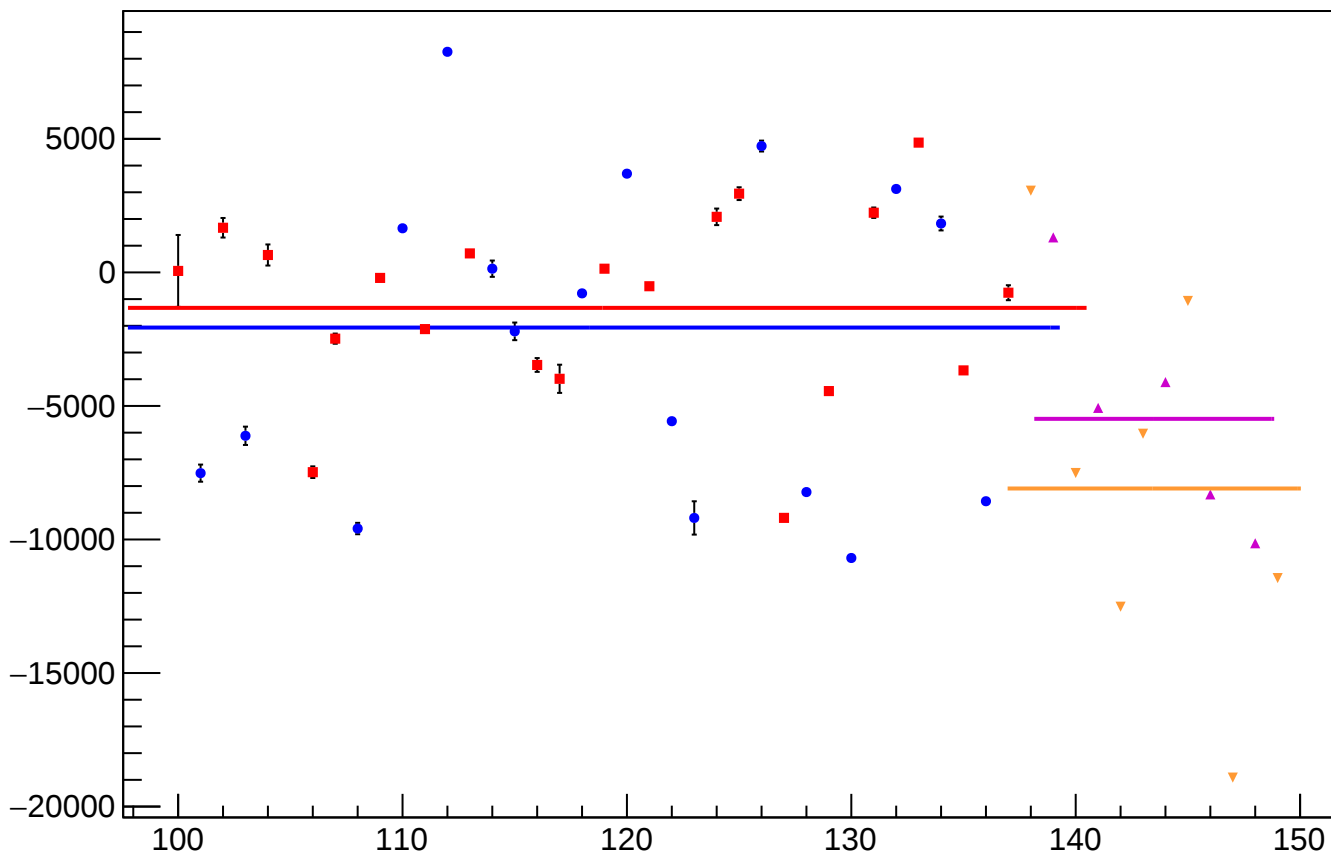
Left In: 223.481 $\pm$ 0.080 χ^2/NDF : 126994.7/4

222.859 $\pm$ 0.047 χ^2/NDF : 774337.3/23

218.636 $\pm$ 0.033 χ^2/NDF : 1820372.3/48

214.473 $\pm$ 0.047 χ^2/NDF : 1030233.4/24

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

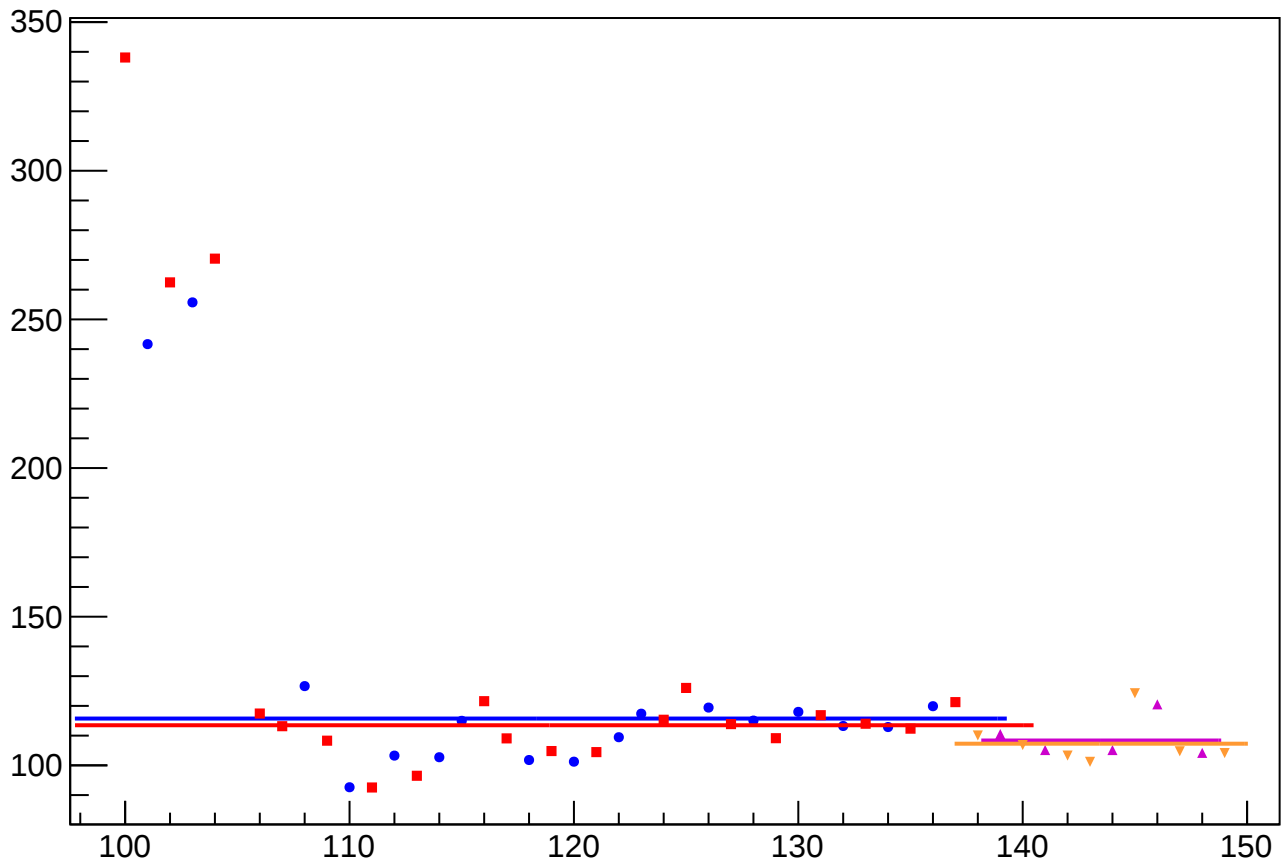
Left In: -5483.061 $\pm$ 54.944 χ^2/NDF : 4644.3/4

-4978.771 $\pm$ 34.009 χ^2/NDF : 44239.7/23

-4004.950 $\pm$ 24.302 χ^2/NDF : 59912.4/48

-2988.883 $\pm$ 34.739 χ^2/NDF : 13997.2/24

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 $\pm$ 0.033 $\chi^2/\text{NDF}: 744017.7/16$

Left Out: 107.282 $\pm$ 0.035 $\chi^2/\text{NDF}: 37087.9/6$

Right Out: 113.487 $\pm$ 0.032 $\chi^2/\text{NDF}: 796781.7/19$

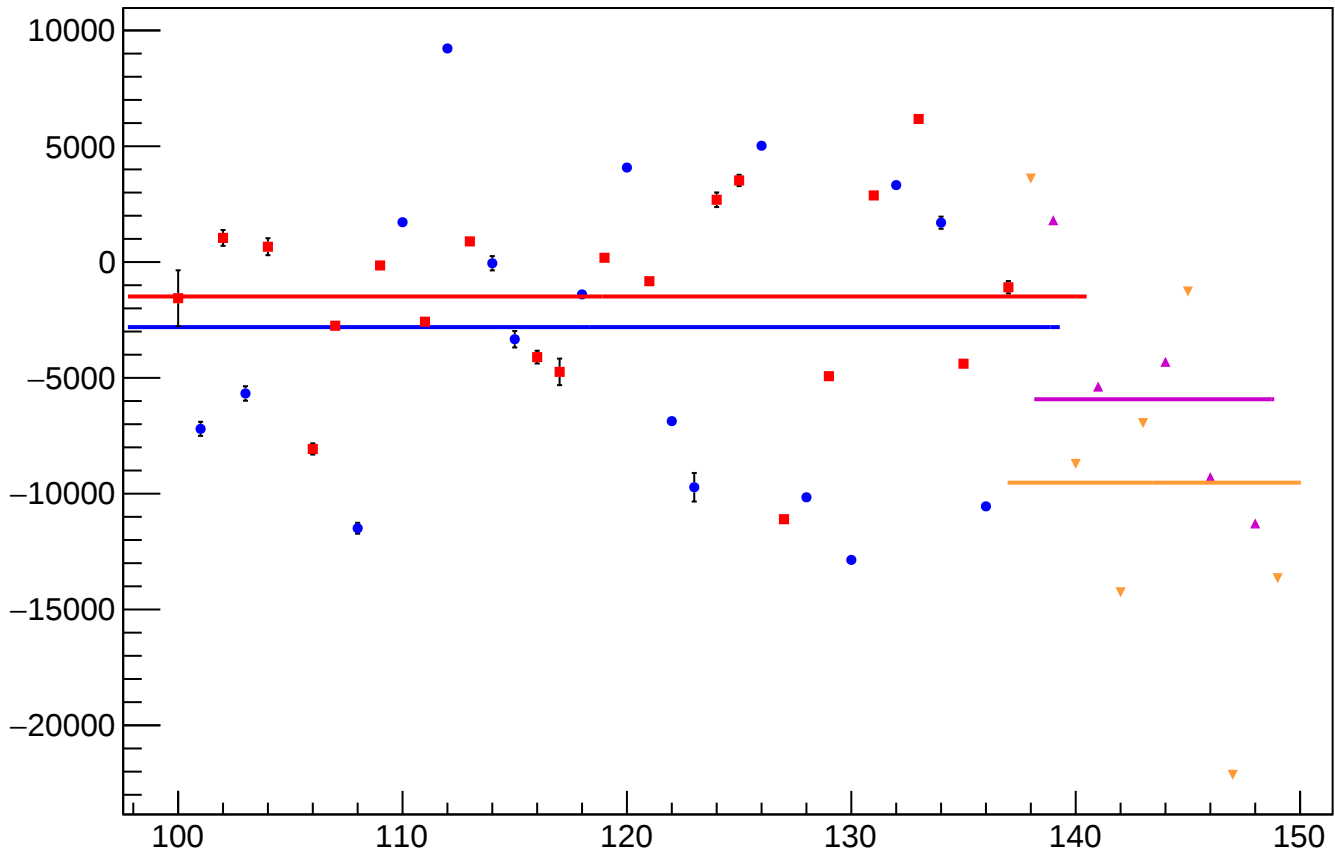
Left In: 108.354 $\pm$ 0.039 $\chi^2/\text{NDF}: 22355.1/4$

111.651 $\pm$ 0.024 $\chi^2/\text{NDF}: 812000.9/23$

111.545 $\pm$ 0.017 $\chi^2/\text{NDF}: 1641655.0/48$

111.435 $\pm$ 0.025 $\chi^2/\text{NDF}: 829614.7/24$

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2809.101+/-48.284 χ^2/NDF : 21263.1/16

Left Out: -9524.401+/-53.073 χ^2/NDF : 23165.1/6

Right Out: -1486.369+/-46.243 χ^2/NDF : 8037.1/19

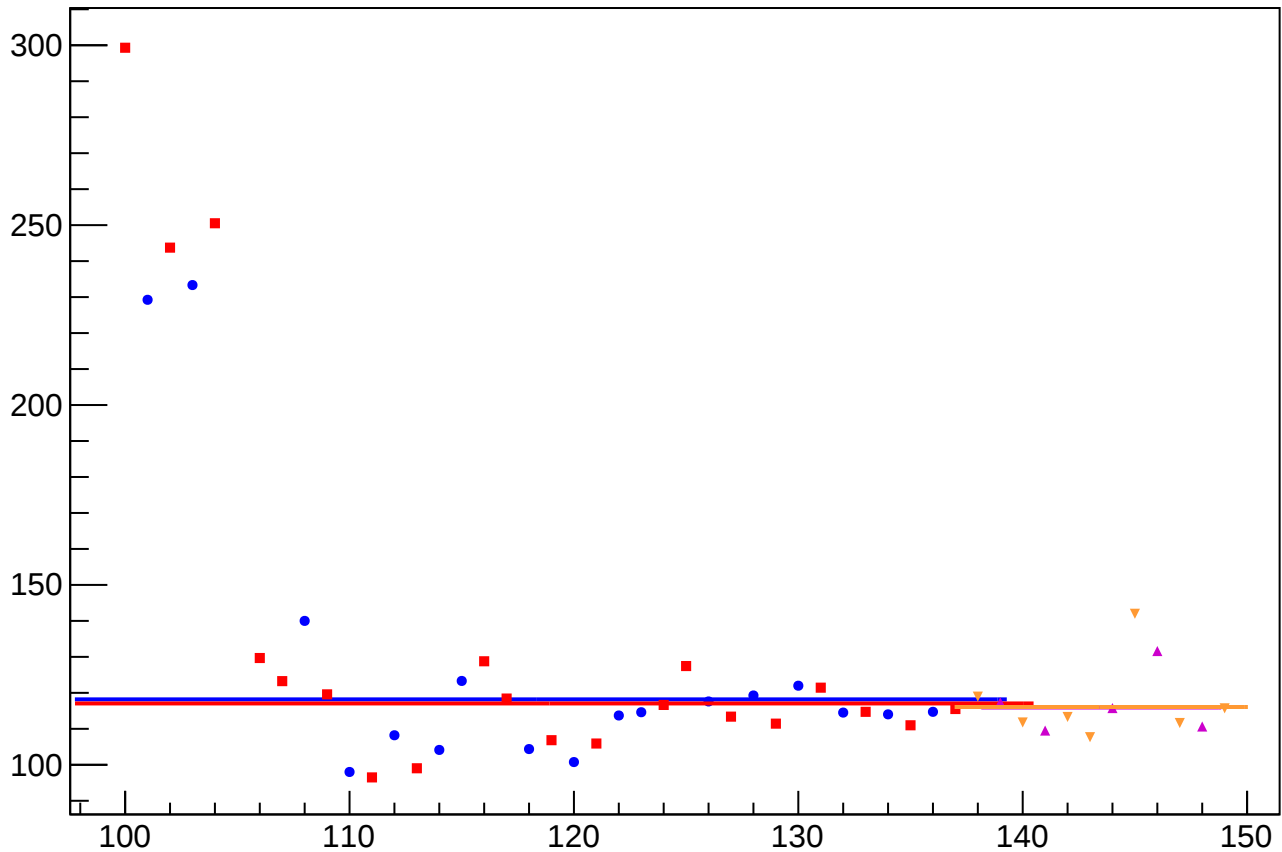
Left In: -5923.029+/-58.909 χ^2/NDF : 5370.5/4

-5850.183+/-35.716 χ^2/NDF : 53187.7/23

-4538.499+/-25.484 χ^2/NDF : 72852.6/48

-3177.959+/-36.375 χ^2/NDF : 16917.1/24

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

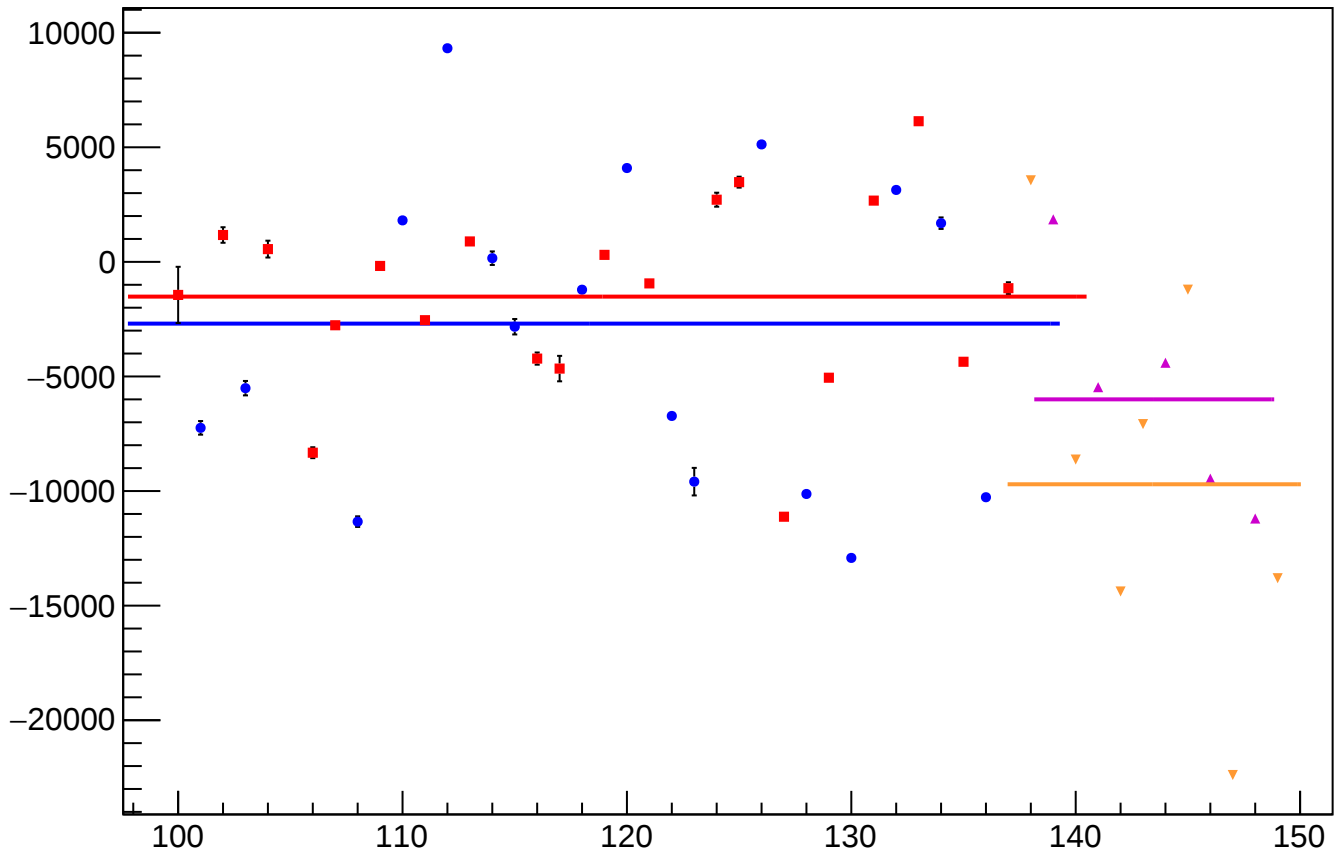
Left In: 115.923 $\pm$ 0.042 χ^2 /NDF: 32049.9/4

117.227 $\pm$ 0.025 χ^2 /NDF: 701498.1/23

116.931 $\pm$ 0.018 χ^2 /NDF: 1424932.1/48

116.623 $\pm$ 0.026 χ^2 /NDF: 723153.3/24

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2694.260+/-46.347 χ^2/NDF : 22860.3/16

Left Out: -9704.123+/-51.349 χ^2/NDF : 25573.9/6

Right Out: -1515.863+/-44.303 χ^2/NDF : 8749.3/19

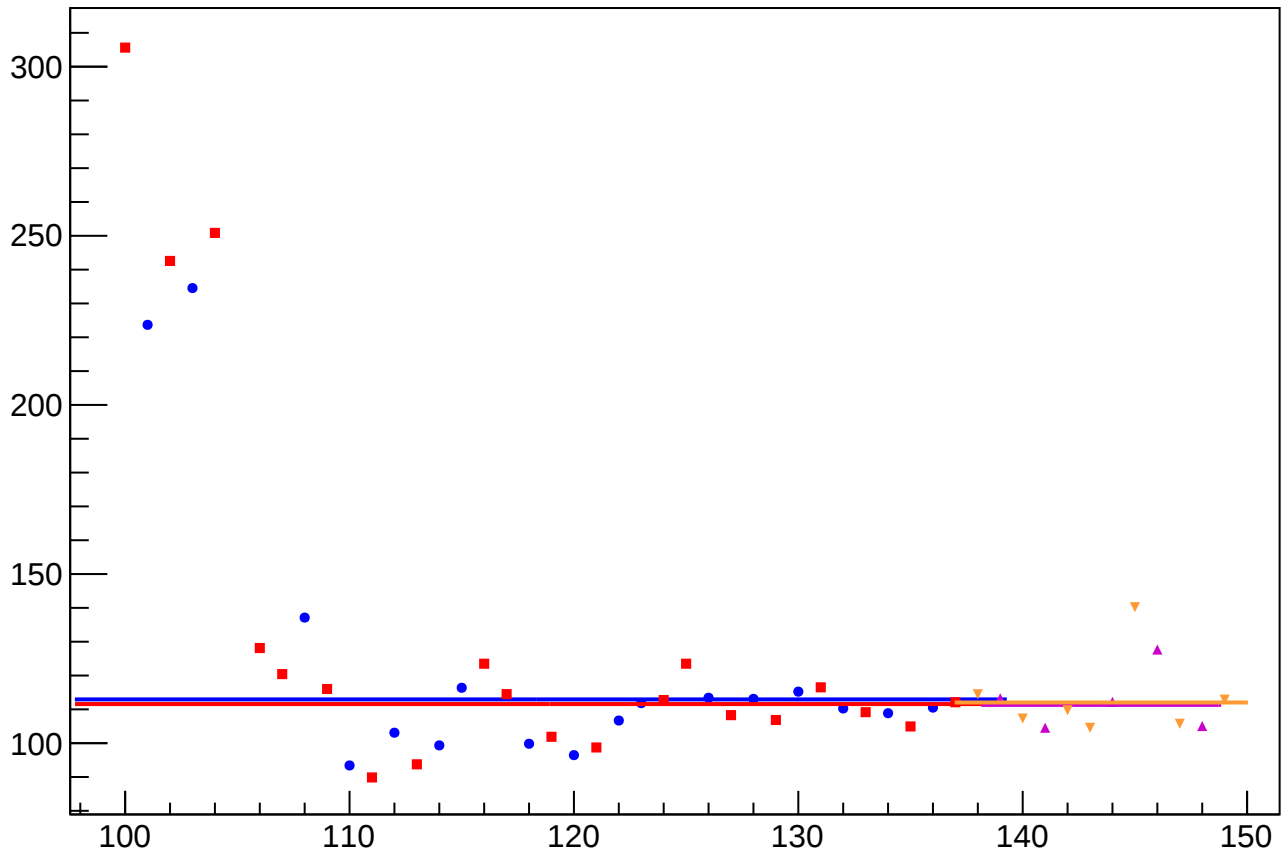
Left In: -5999.198+/-56.697 χ^2/NDF : 5816.0/4

-5841.215+/-34.405 χ^2/NDF : 58703.8/23

-4547.466+/-24.504 χ^2/NDF : 80021.3/48

-3215.530+/-34.909 χ^2/NDF : 18447.7/24

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

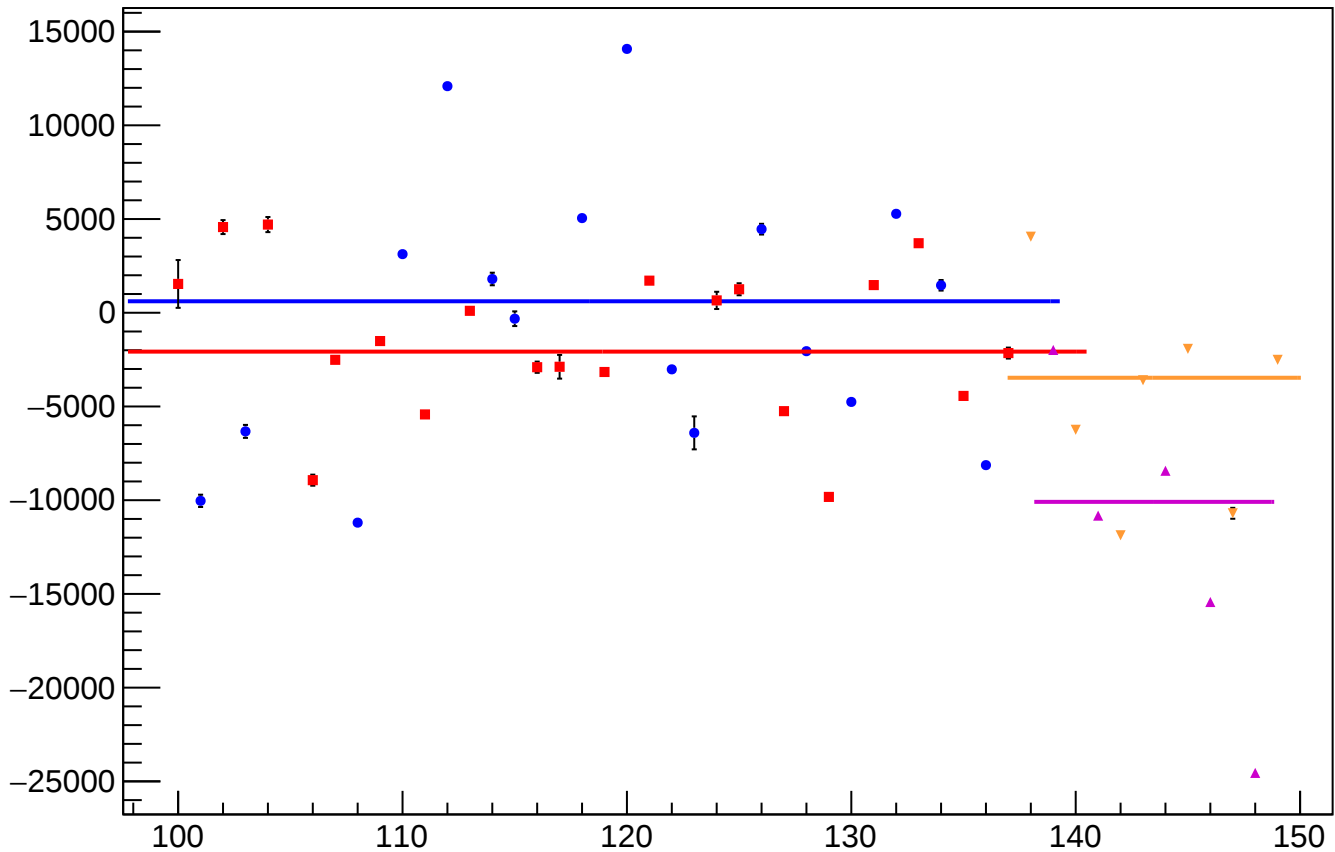
Left In: 111.321 +/- 0.040 χ^2/NDF : 38923.1/4

112.533 +/- 0.024 χ^2/NDF : 756488.0/23

112.010 +/- 0.017 χ^2/NDF : 1561932.3/48

111.471 +/- 0.025 χ^2/NDF : 804504.7/24

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 $\chi^2/\text{NDF}: 4644.3/19$

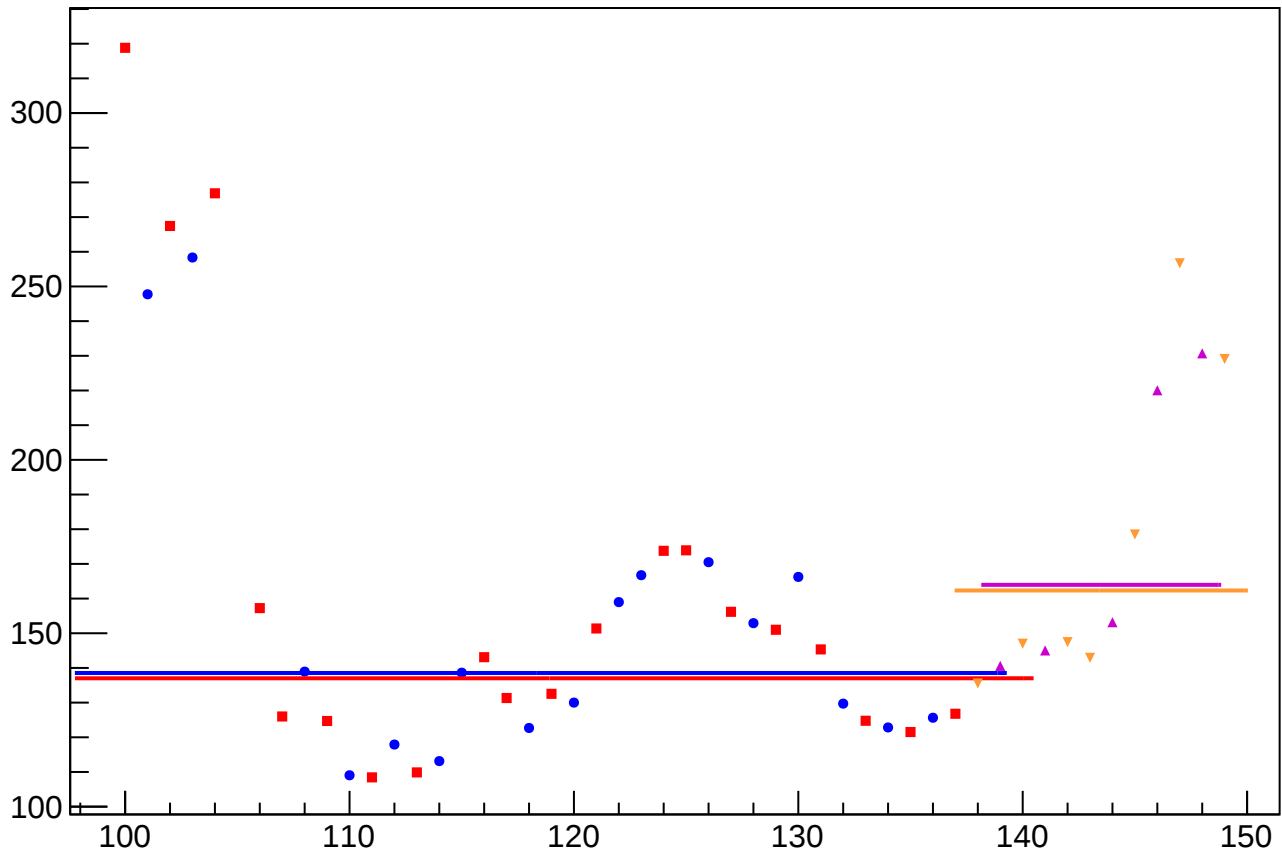
Left In: -10088.706 ± 84.471 $\chi^2/\text{NDF}: 5834.4/4$

-843.430 ± 44.960 $\chi^2/\text{NDF}: 24699.6/23$

-2598.094 ± 31.925 $\chi^2/\text{NDF}: 44660.5/48$

-4382.499 ± 45.339 $\chi^2/\text{NDF}: 16888.8/24$

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

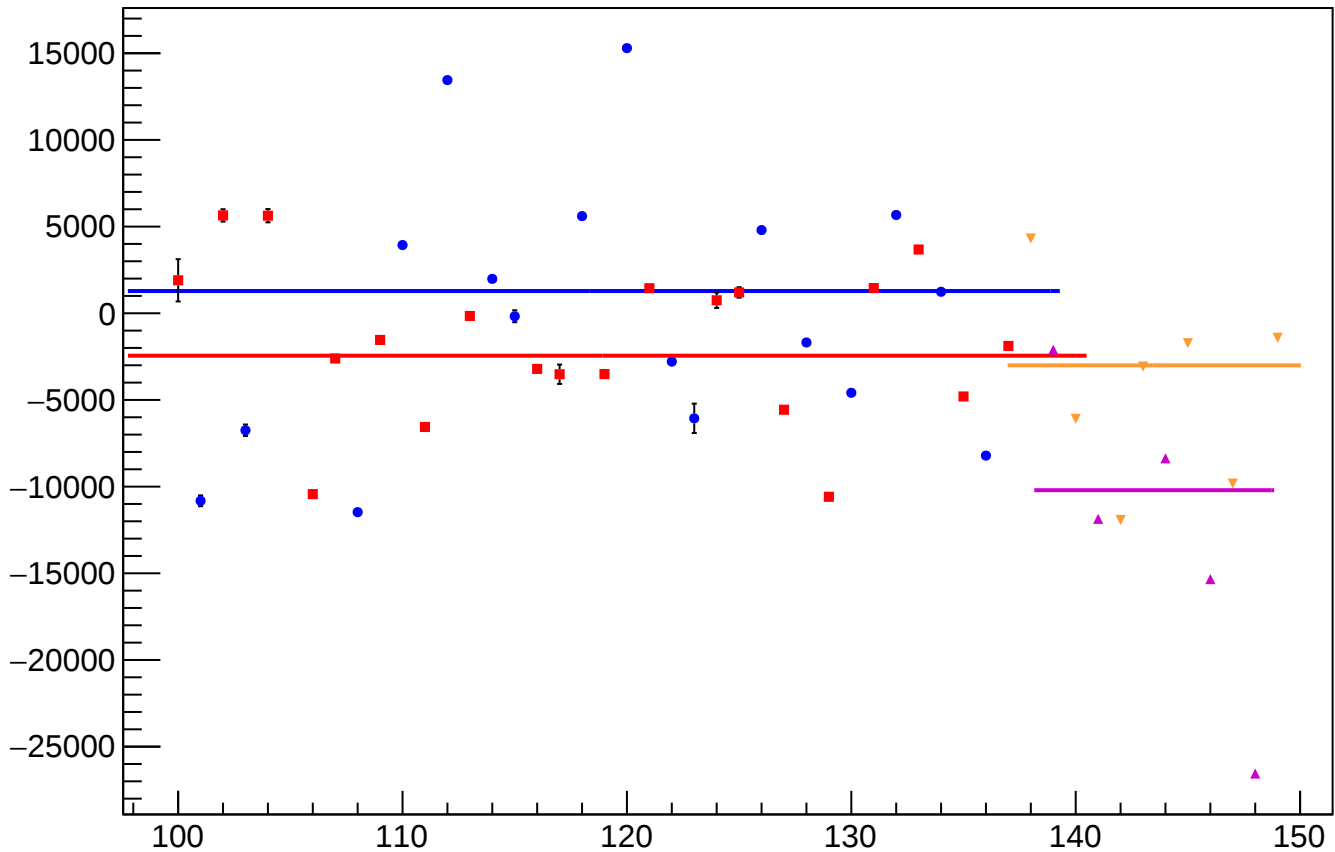
Left In: 163.961 +/- 0.060 χ^2/NDF : 308497.5/4

147.031 +/- 0.032 χ^2/NDF : 1261804.2/23

145.915 +/- 0.023 χ^2/NDF : 2473275.6/48

144.781 +/- 0.032 χ^2/NDF : 1208988.1/24

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

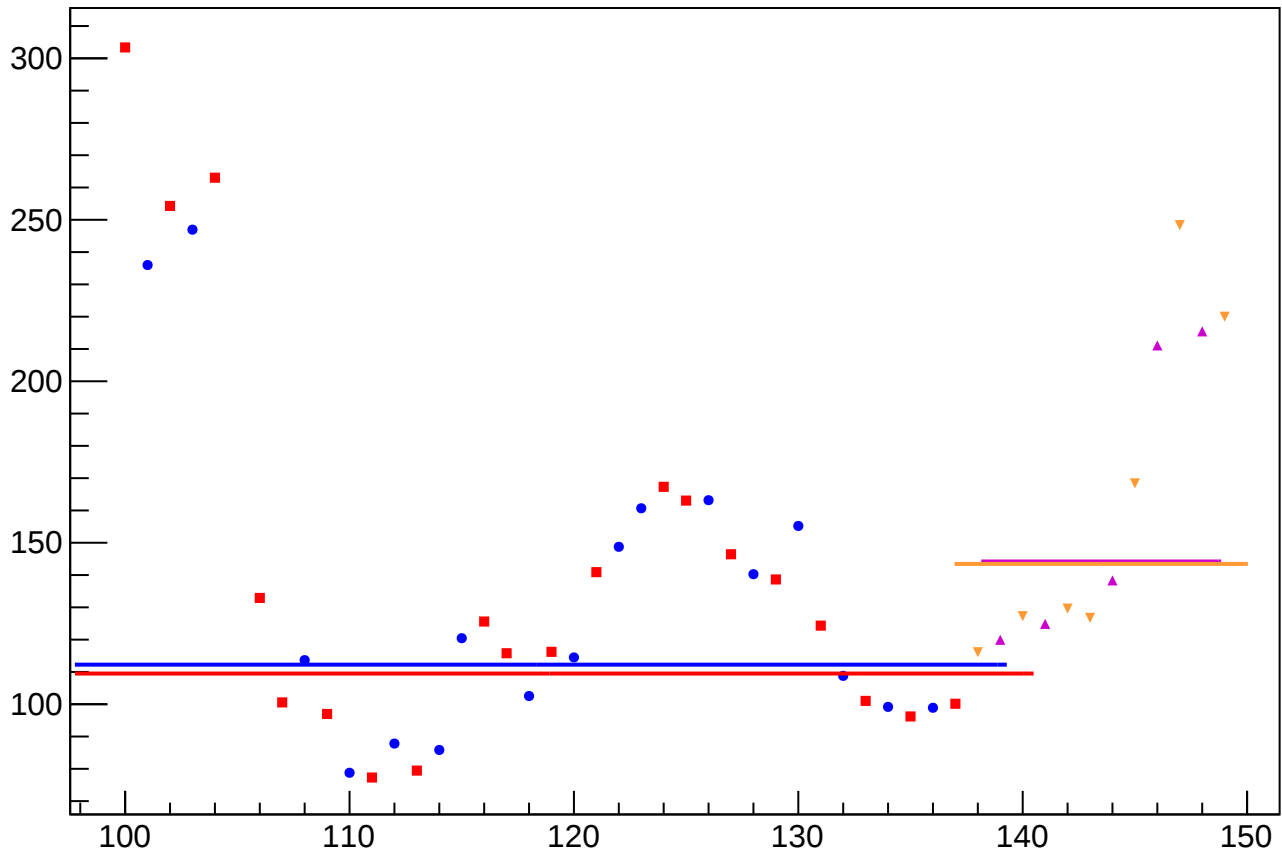
Left In: -10206.814+/-75.158 χ^2/NDF : 8133.7/4

-105.837+/-38.294 χ^2/NDF : 39254.6/23

-2284.637+/-26.997 χ^2/NDF : 69430.7/48

-4437.559+/-38.066 χ^2/NDF : 23740.3/24

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

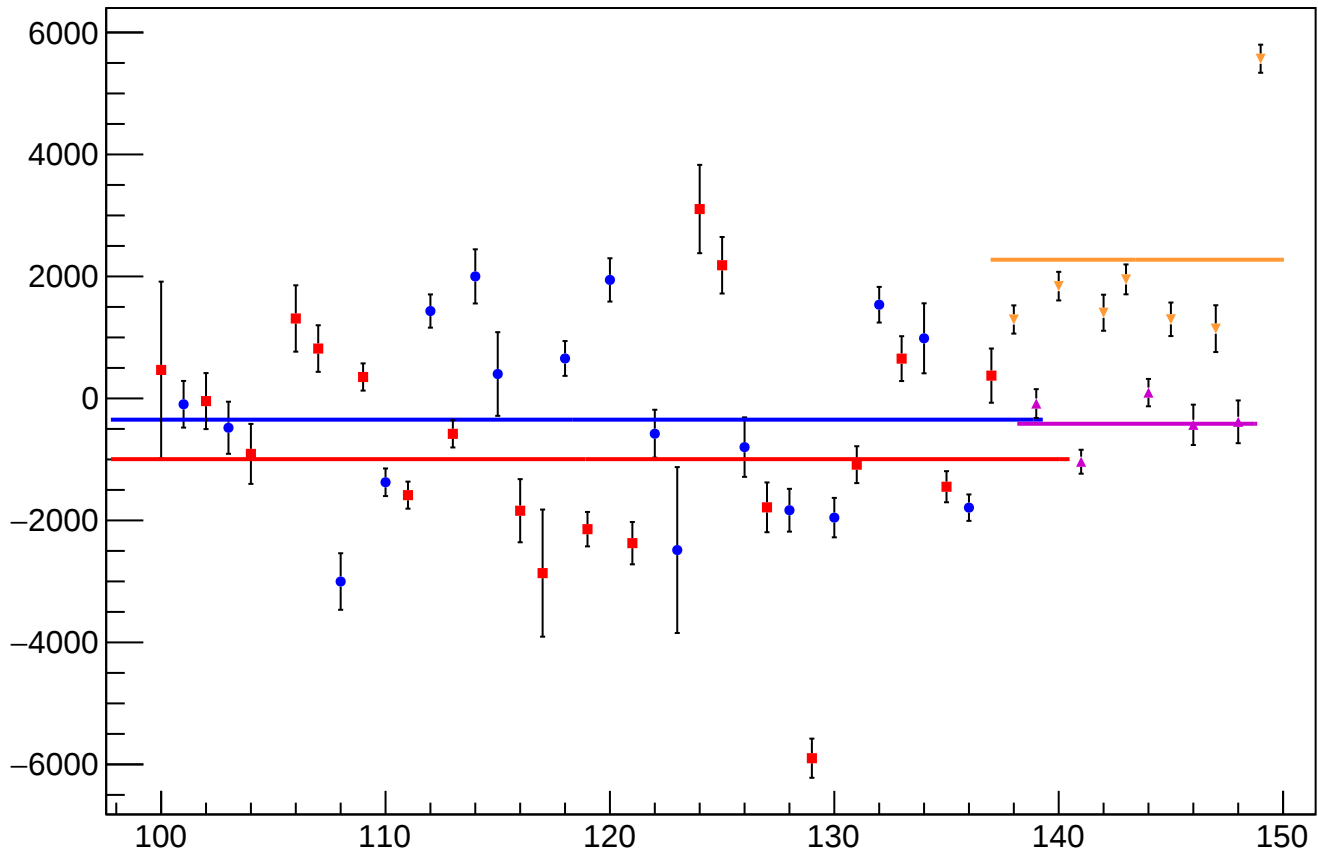
Left In: 144.198+/-0.053 χ^2/NDF : 425472.0/4

122.354+/-0.027 χ^2/NDF : 2055968.9/23

120.365+/-0.019 χ^2/NDF : 4078982.9/48

118.401+/-0.027 χ^2/NDF : 2012293.3/24

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -348.055 ± 83.826 χ^2/NDF : 317.3/16

Left Out: 2274.188 ± 98.129 χ^2/NDF : 257.7/6

Right Out: -995.622 ± 77.468 χ^2/NDF : 479.8/19

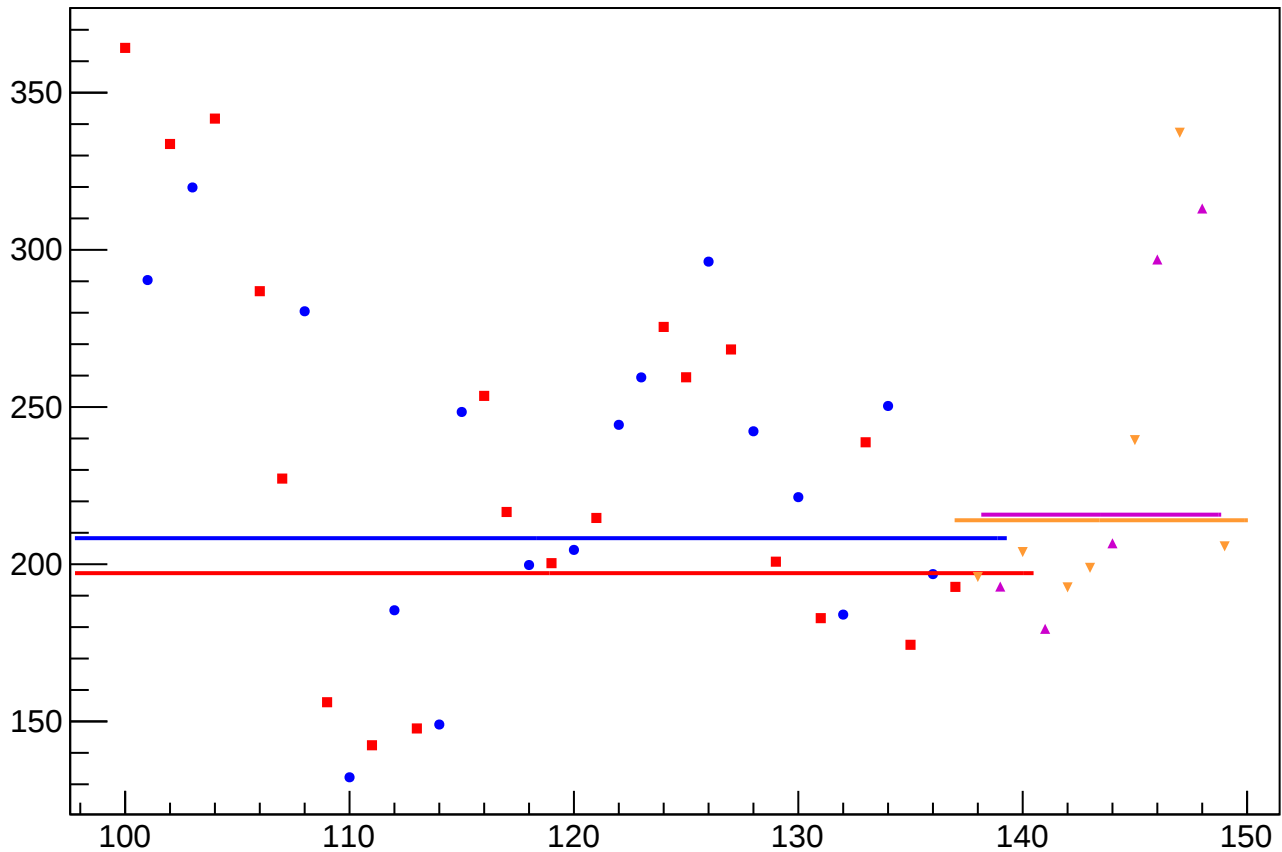
Left In: -415.304 ± 111.112 χ^2/NDF : 17.2/4

758.208 ± 63.737 χ^2/NDF : 987.9/23

-26.122 ± 45.002 χ^2/NDF : 1805.2/48

-805.802 ± 63.548 χ^2/NDF : 515.4/24

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.288 $\pm$ 0.059 χ^2/NDF : 698491.0/16

Left Out: 213.987 $\pm$ 0.069 χ^2/NDF : 260134.9/6

Right Out: 197.159 $\pm$ 0.055 χ^2/NDF : 927487.8/19

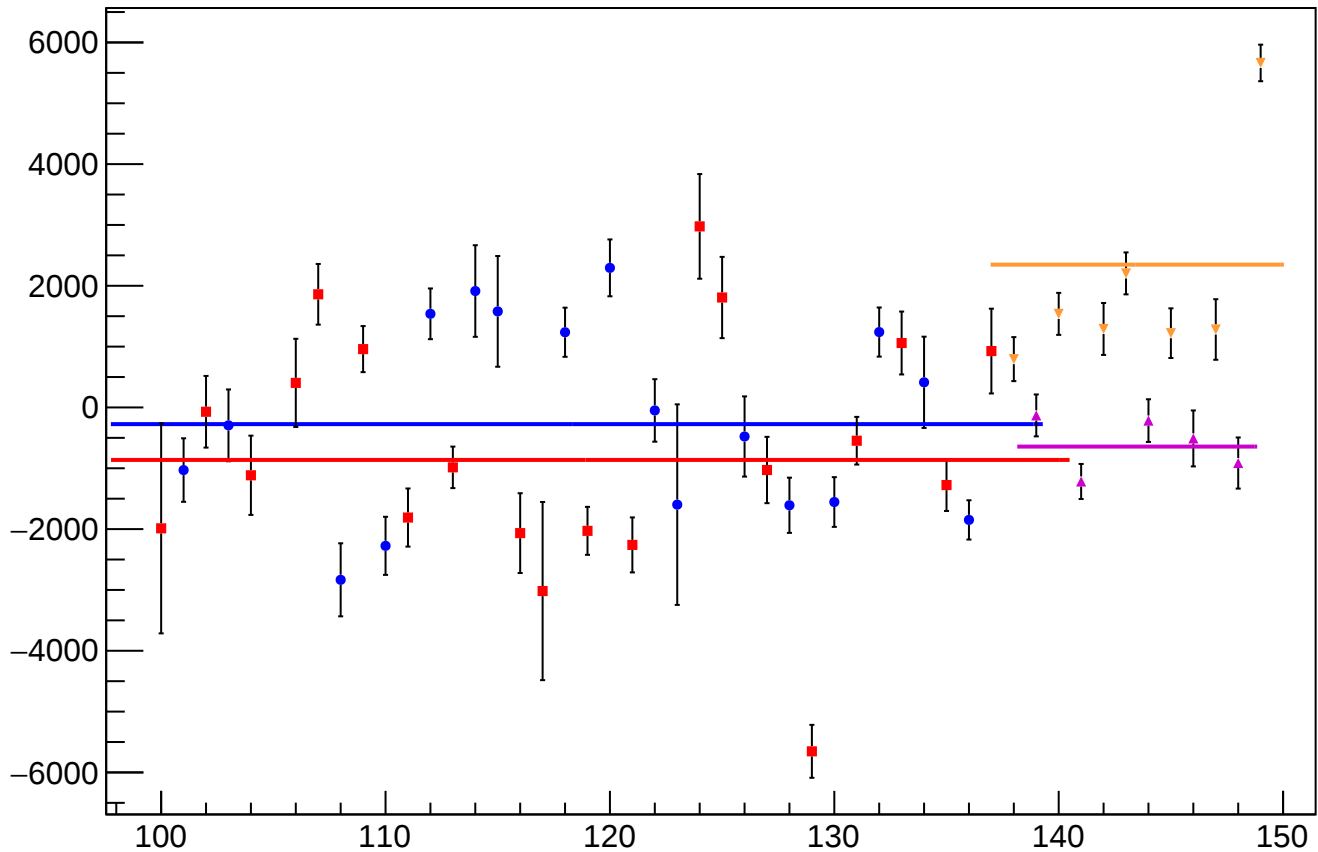
Left In: 215.770 $\pm$ 0.079 χ^2/NDF : 365249.8/4

210.692 $\pm$ 0.045 χ^2/NDF : 962525.8/23

206.958 $\pm$ 0.032 χ^2/NDF : 2306706.0/48

203.247 $\pm$ 0.045 χ^2/NDF : 1330495.8/24

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 $\chi^2/\text{NDF}: 265.4/19$

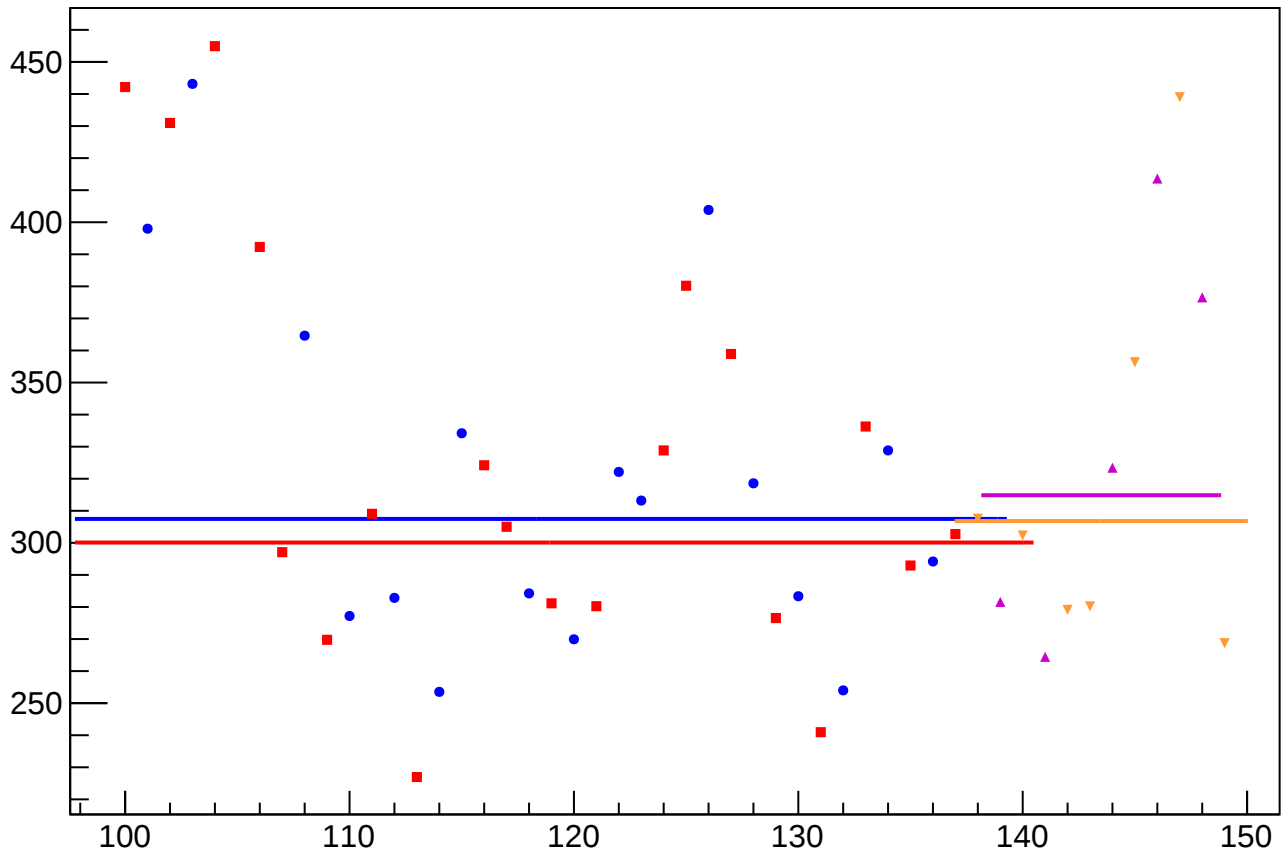
Left In: -643.498 ± 160.189 $\chi^2/\text{NDF}: 8.2/4$

850.420 ± 91.678 $\chi^2/\text{NDF}: 536.1/23$

46.477 ± 65.432 $\chi^2/\text{NDF}: 967.6/48$

-788.215 ± 93.415 $\chi^2/\text{NDF}: 274.8/24$

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 307.468+/-0.086 χ^2/NDF : 323096.7/16

Left Out: 306.805+/-0.099 χ^2/NDF : 223159.3/6

Right Out: 300.100+/-0.081 χ^2/NDF : 490421.6/19

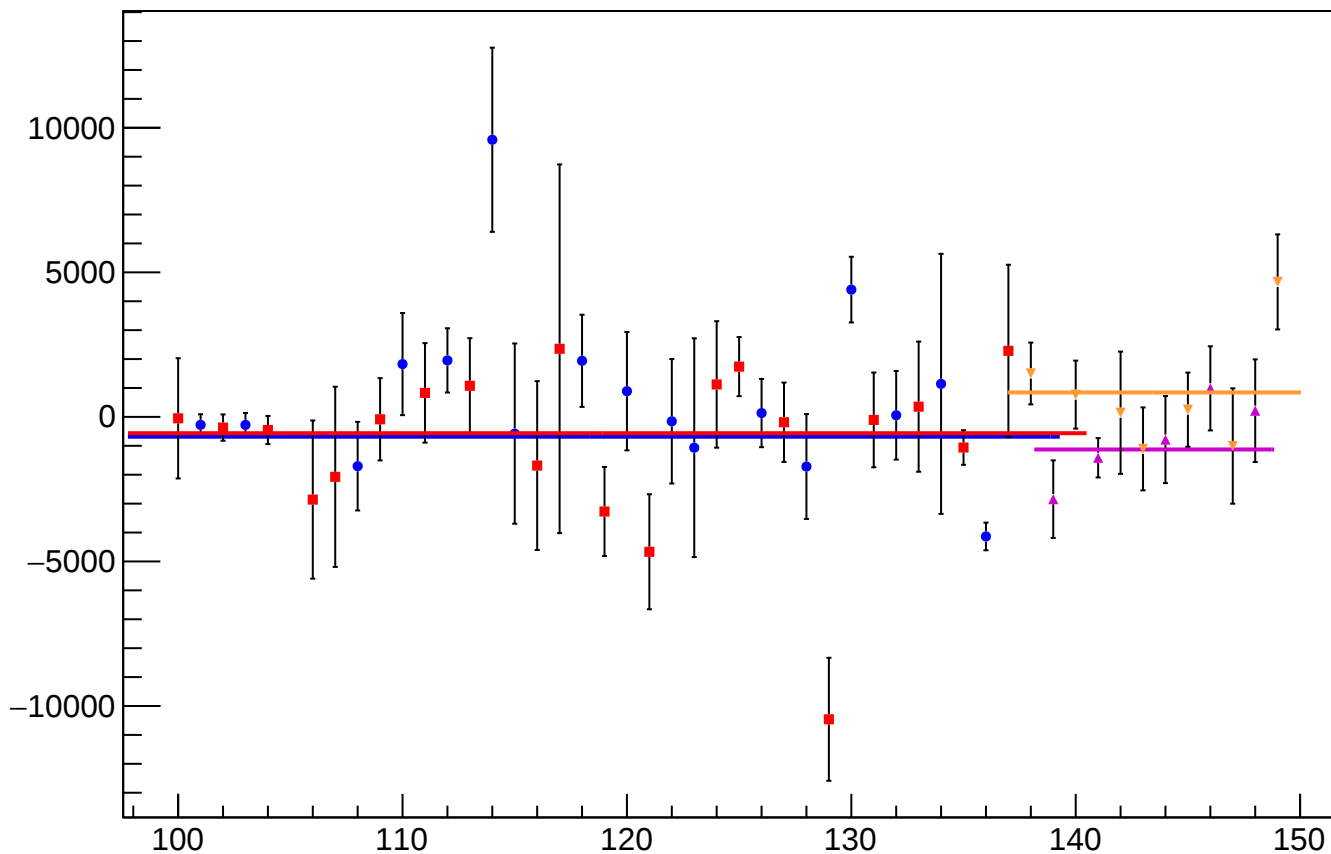
Left In: 314.855+/-0.113 χ^2/NDF : 216358.2/4

307.184+/-0.065 χ^2/NDF : 546281.6/23

306.170+/-0.046 χ^2/NDF : 1264757.6/48

305.118+/-0.066 χ^2/NDF : 717977.7/24

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -685.056 ± 210.341 χ^2/NDF : 97.4/16

Left Out: 845.766 ± 531.494 χ^2/NDF : 8.8/6

Right Out: -564.400 ± 243.074 χ^2/NDF : 39.9/19

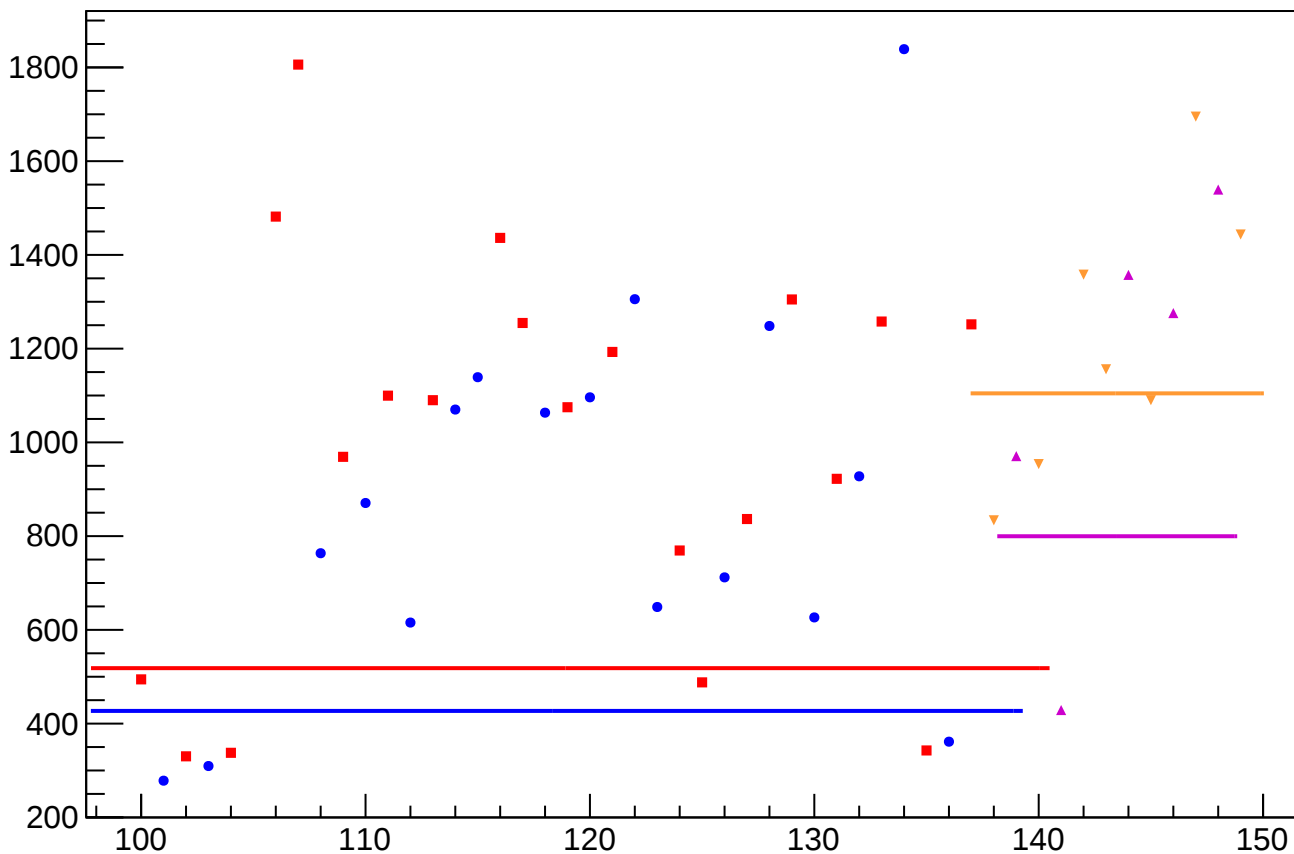
Left In: -1126.823 ± 503.459 χ^2/NDF : 4.6/4

-477.764 ± 195.581 χ^2/NDF : 113.4/23

-563.422 ± 145.846 χ^2/NDF : 159.3/48

-670.720 ± 218.897 χ^2/NDF : 45.5/24

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

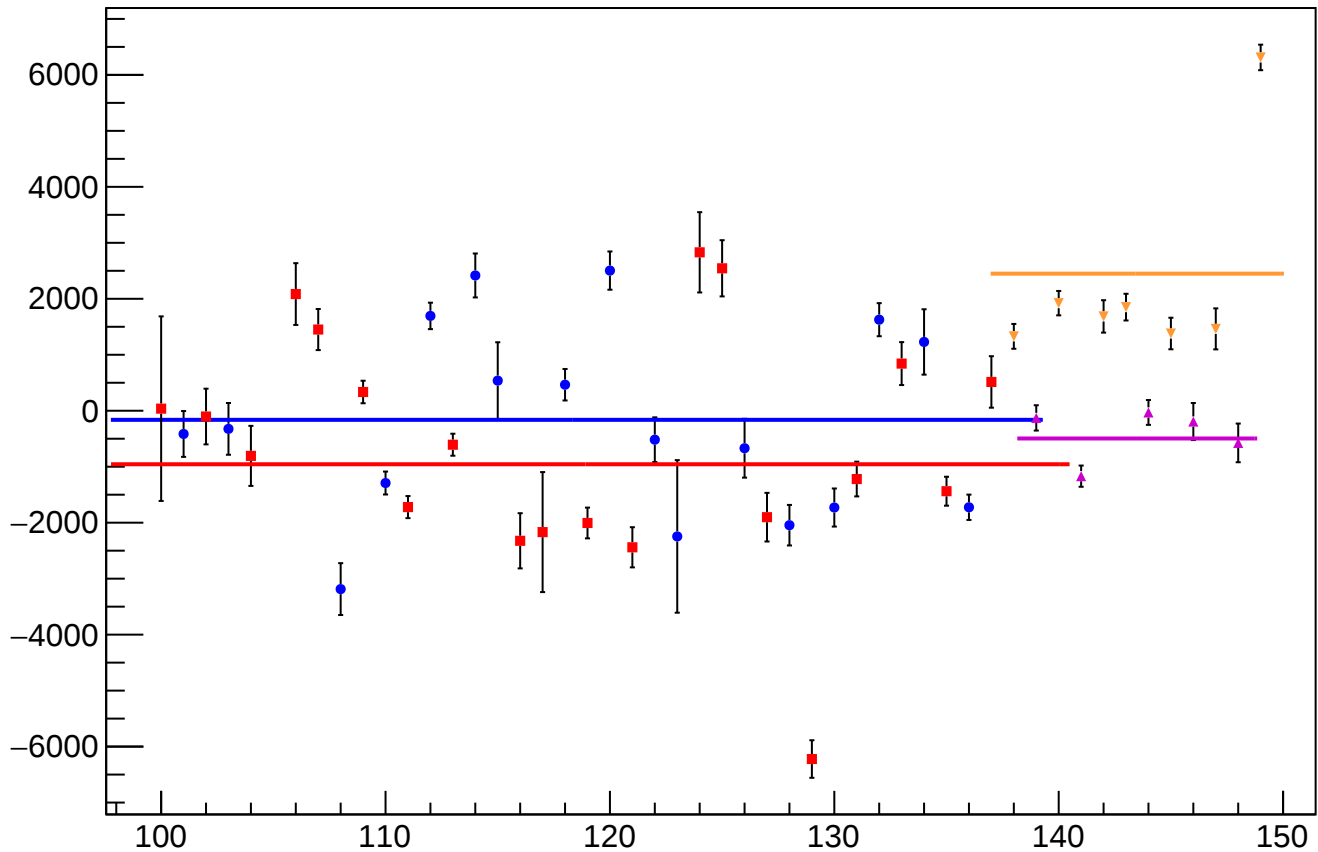
Left In: 799.750+/-0.356 χ^2/NDF : 1461871.8/4

518.823+/-0.138 χ^2/NDF : 6128634.3/23

542.212+/-0.103 χ^2/NDF : 11793628.2/48

571.510+/-0.155 χ^2/NDF : 5600562.7/24

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

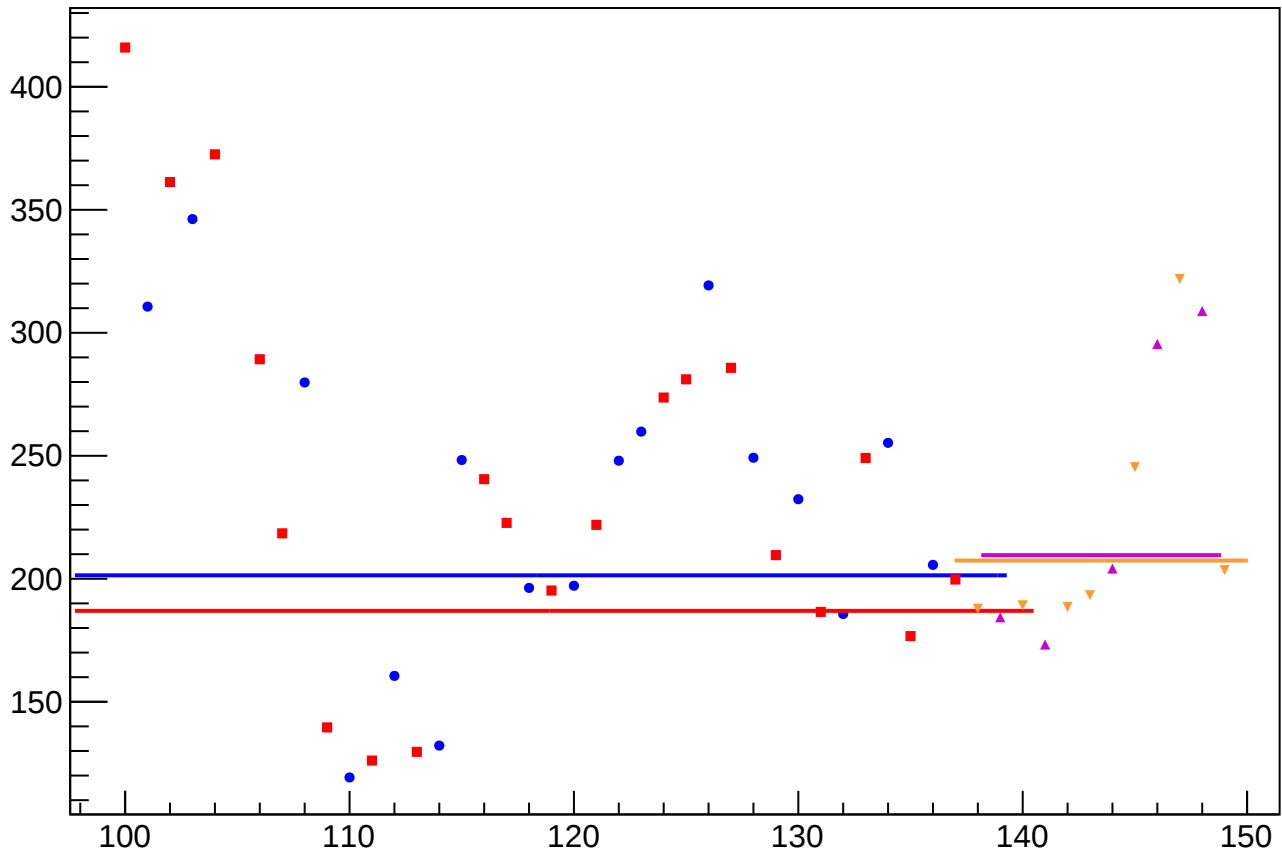
Left In: -495.679 ± 108.326 χ^2/NDF : 20.5/4

954.480 ± 62.300 χ^2/NDF : 1170.9/23

64.276 ± 43.816 χ^2/NDF : 2148.7/48

-807.009 ± 61.635 χ^2/NDF : 573.8/24

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 207.417 $\pm$ 0.067 χ^2 /NDF: 277091.9/6

Right Out: 186.973 $\pm$ 0.053 χ^2 /NDF: 1395397.8/19

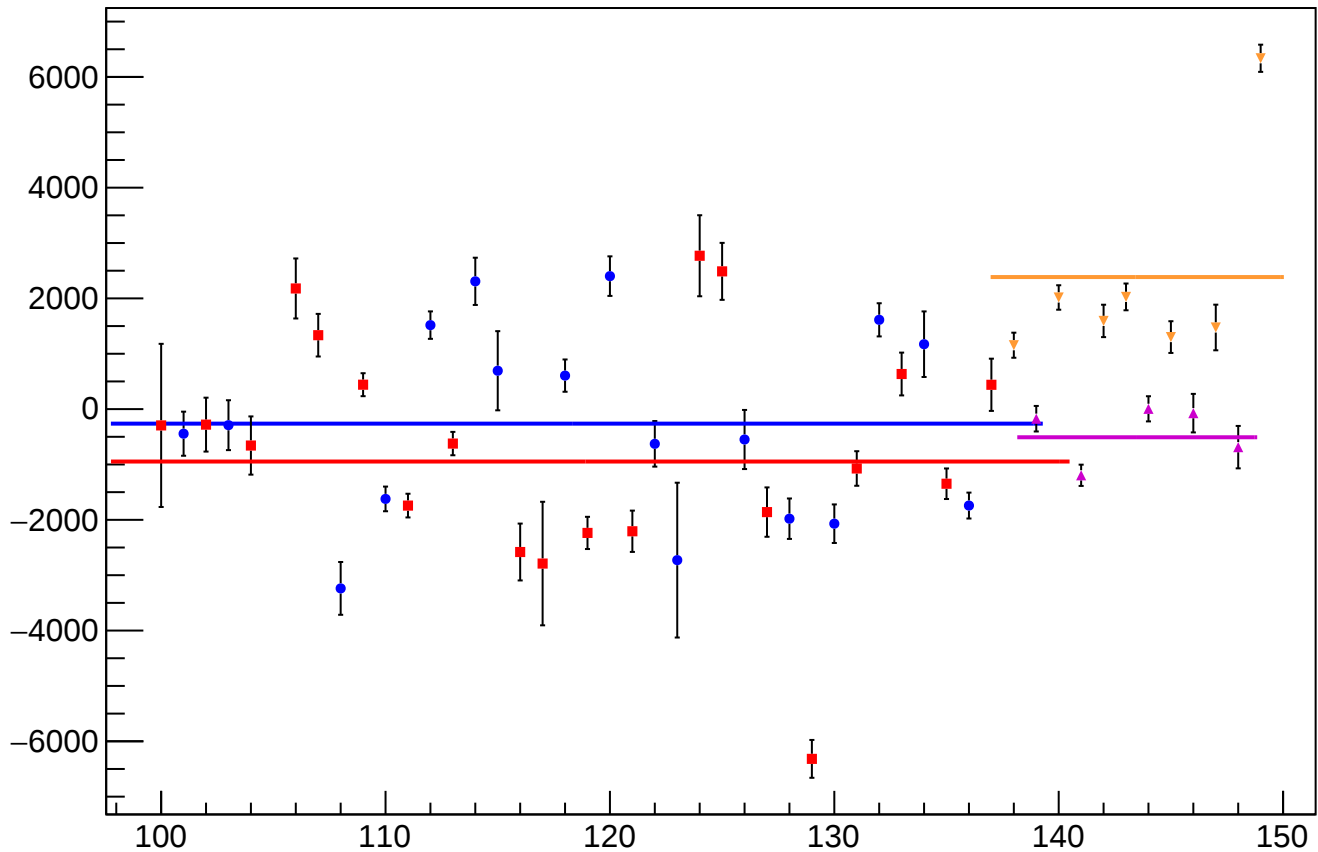
Left In: 209.603 $\pm$ 0.077 χ^2 /NDF: 399270.0/4

203.979 $\pm$ 0.044 χ^2 /NDF: 1337666.6/23

199.087 $\pm$ 0.031 χ^2 /NDF: 3215758.7/48

194.299 $\pm$ 0.044 χ^2 /NDF: 1853693.8/24

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -262.324 ± 85.433 χ^2/NDF : 368.7/16

Left Out: 2385.302 ± 98.332 χ^2/NDF : 320.0/6

Right Out: -946.785 ± 78.241 χ^2/NDF : 524.6/19

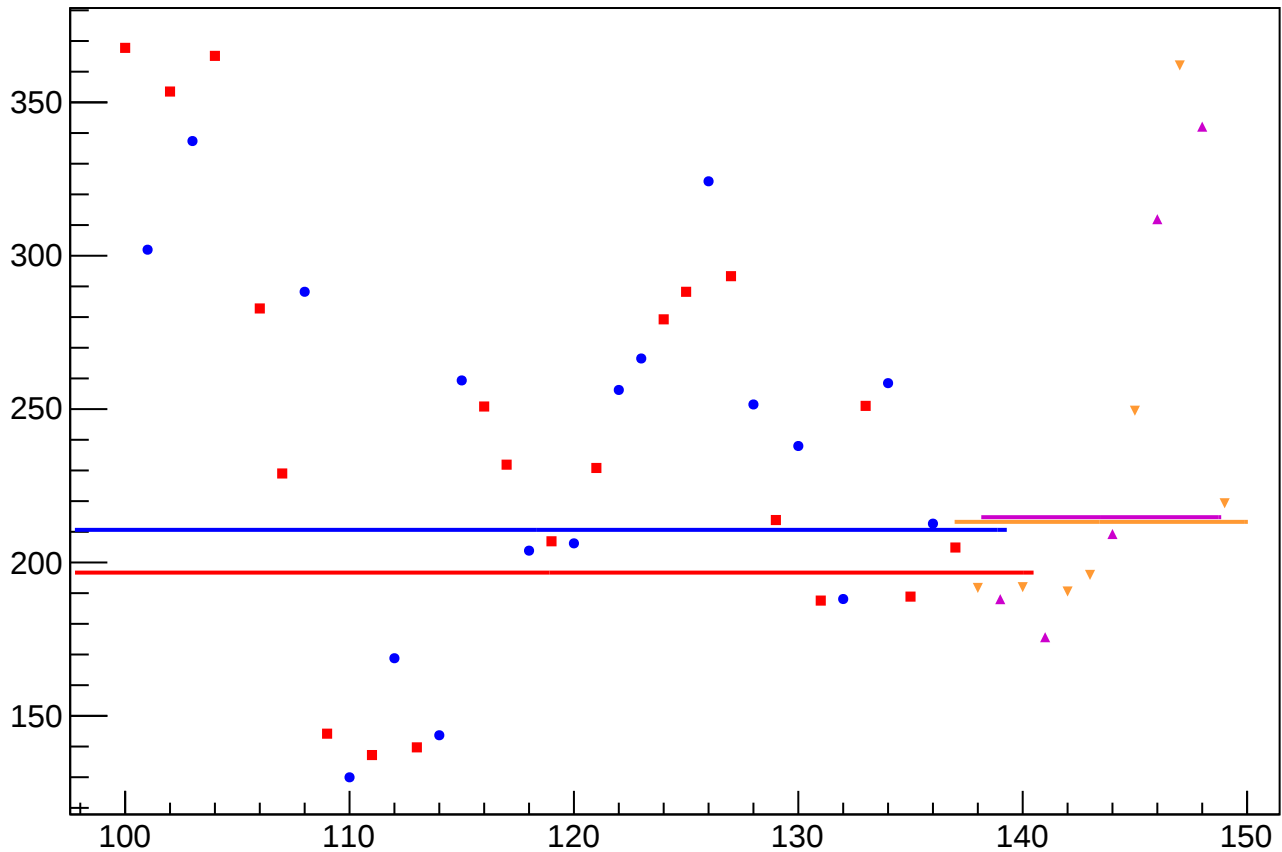
Left In: -508.484 ± 111.567 χ^2/NDF : 21.8/4

876.560 ± 64.492 χ^2/NDF : 1101.8/23

31.474 ± 45.449 χ^2/NDF : 1999.7/48

-802.289 ± 64.059 χ^2/NDF : 556.8/24

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 210.636 +/- 0.060 χ^2/NDF : 875776.4/16

Left Out: 213.246 +/- 0.070 χ^2/NDF : 352746.2/6

Right Out: 196.702 +/- 0.055 χ^2/NDF : 1207089.6/19

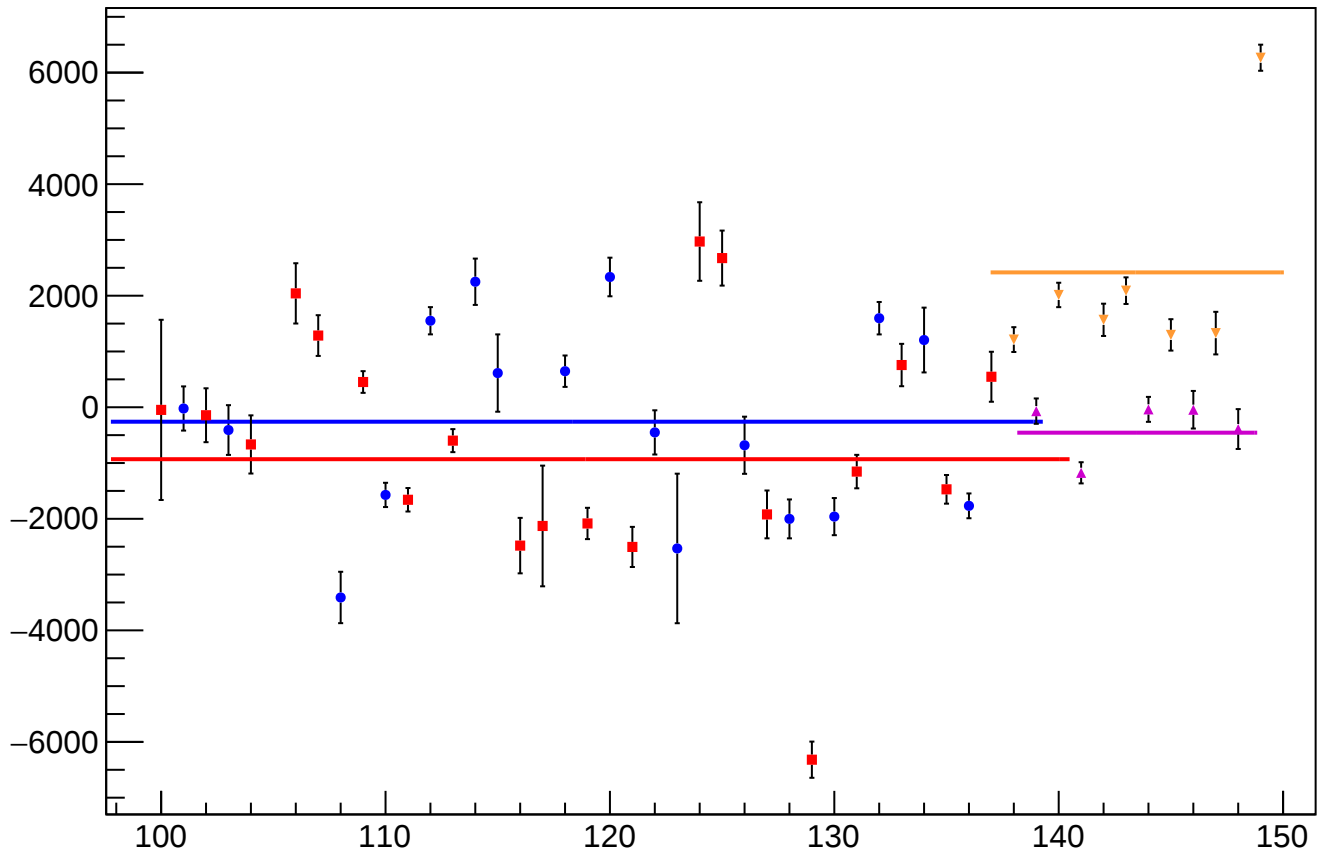
Left In: 214.768 +/- 0.079 χ^2/NDF : 487742.4/4

211.758 +/- 0.046 χ^2/NDF : 1229325.4/23

207.177 +/- 0.032 χ^2/NDF : 2979356.1/48

202.658 +/- 0.045 χ^2/NDF : 1729983.6/24

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

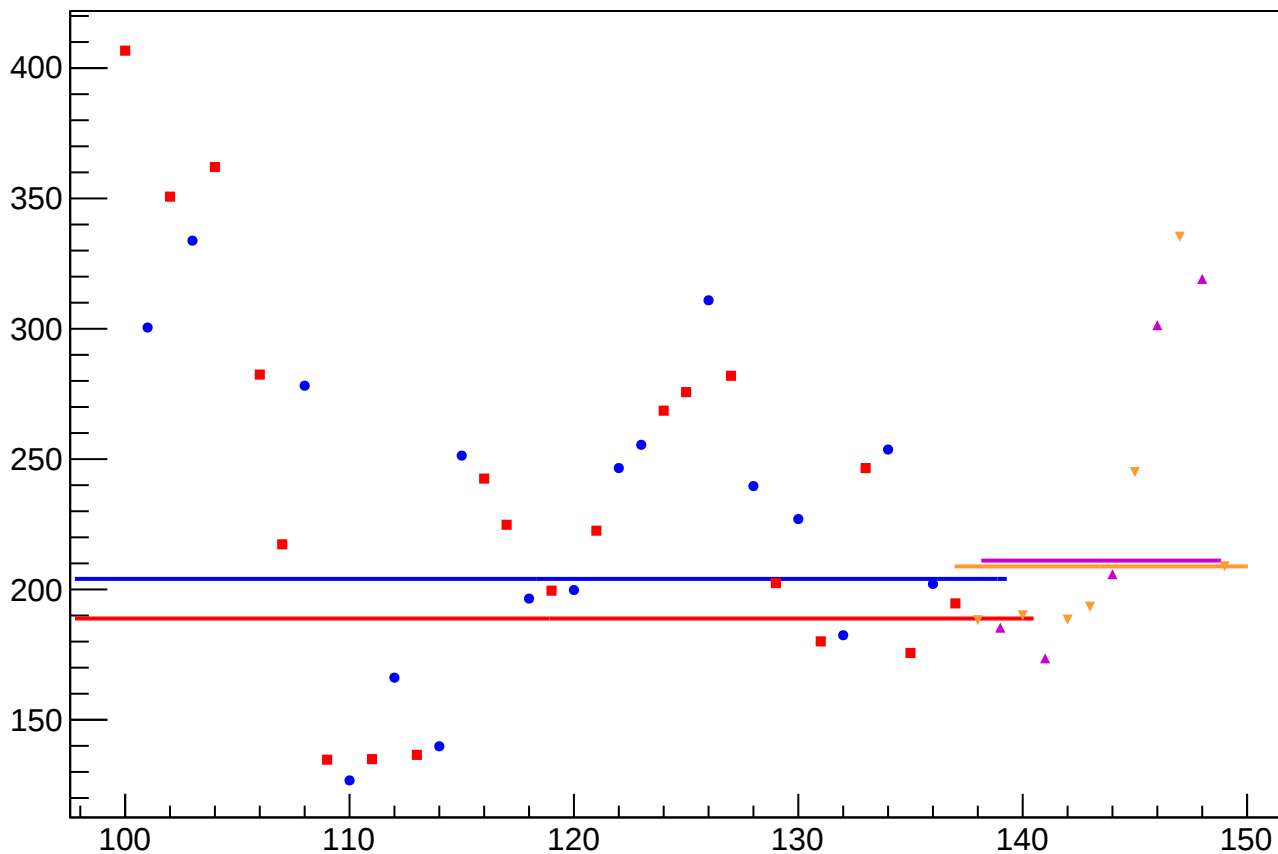
Left In: -455.965+/-109.286 χ^2/NDF : 22.3/4

881.910+/-62.720 χ^2/NDF : 1174.6/23

42.476+/-44.099 χ^2/NDF : 2147.1/48

-778.269+/-62.018 χ^2/NDF : 618.2/24

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 204.051 $\pm$ 0.059 χ^2/NDF : 868423.0/16

Left Out: 208.846 $\pm$ 0.068 χ^2/NDF : 302840.3/6

Right Out: 188.856 $\pm$ 0.053 χ^2/NDF : 1253327.1/19

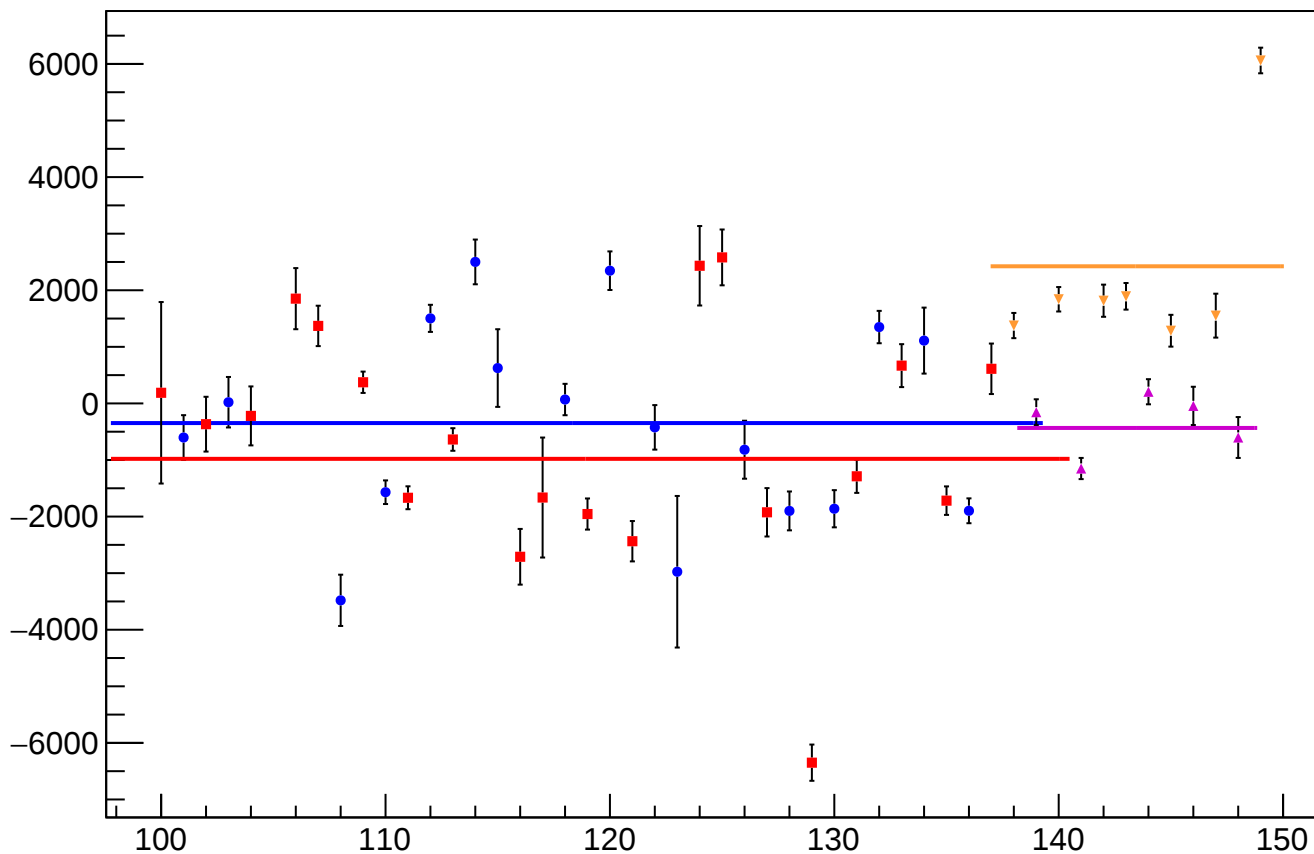
Left In: 211.071 $\pm$ 0.077 χ^2/NDF : 431295.3/4

206.095 $\pm$ 0.044 χ^2/NDF : 1174122.0/23

200.996 $\pm$ 0.031 χ^2/NDF : 2940919.5/48

196.010 $\pm$ 0.044 χ^2/NDF : 1740649.3/24

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

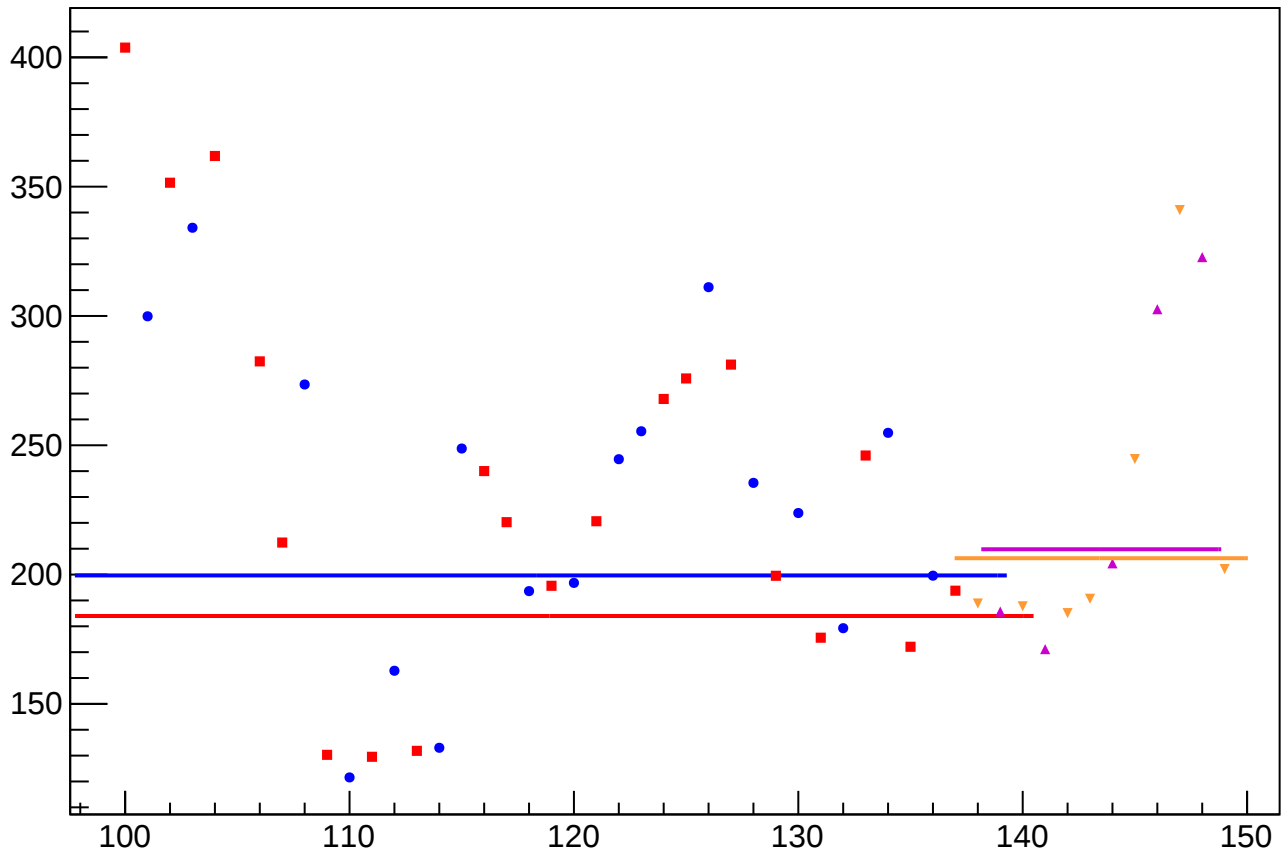
Left In: -433.588 ± 108.790 χ^2/NDF : 26.0/4

824.429 ± 61.777 χ^2/NDF : 1208.5/23

-1.726 ± 43.414 χ^2/NDF : 2191.2/48

-807.813 ± 61.023 χ^2/NDF : 629.4/24

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

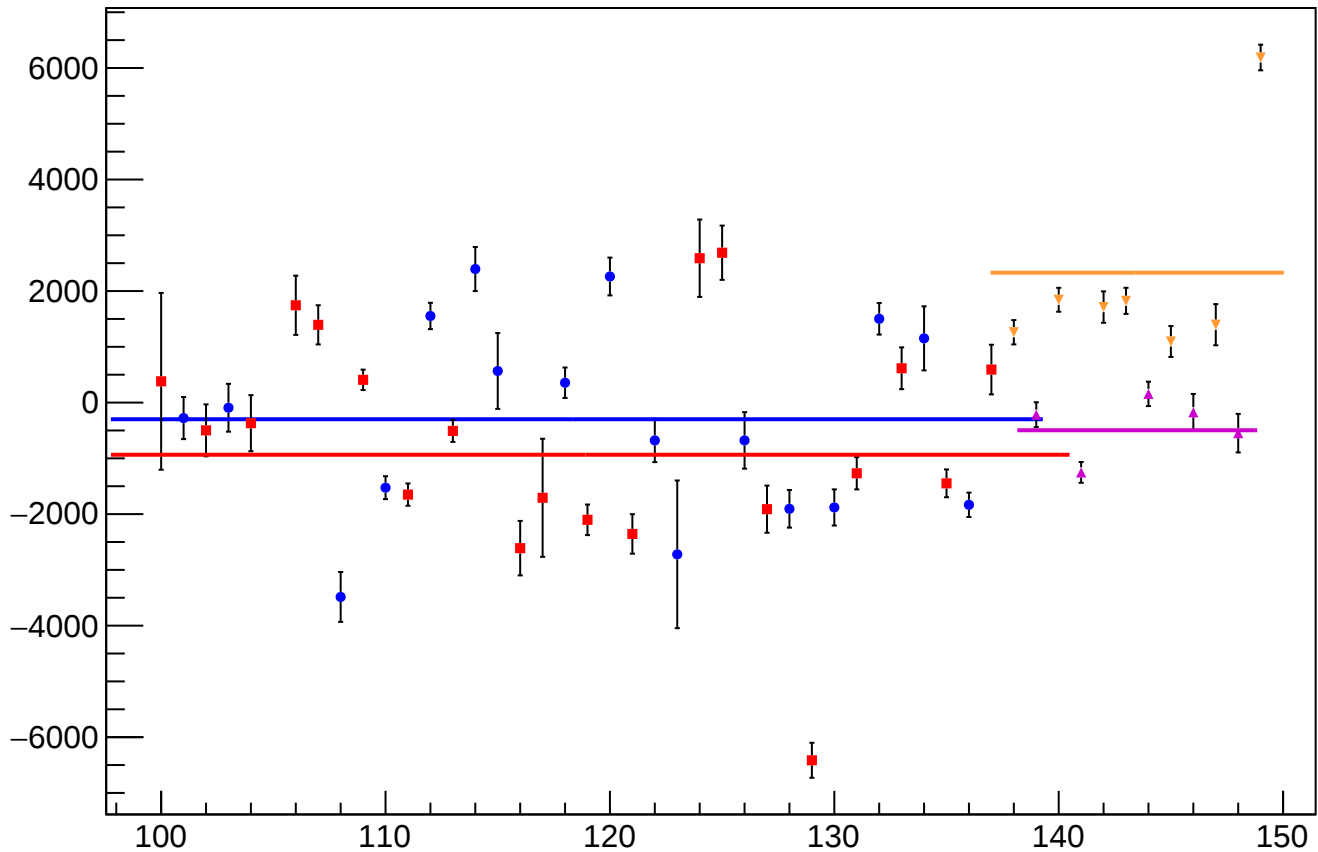
Left In: 209.792+/-0.077 χ^2/NDF : 454777.9/4

202.485+/-0.044 χ^2/NDF : 1274608.3/23

197.231+/-0.031 χ^2/NDF : 3187084.7/48

192.104+/-0.043 χ^2/NDF : 1883891.7/24

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

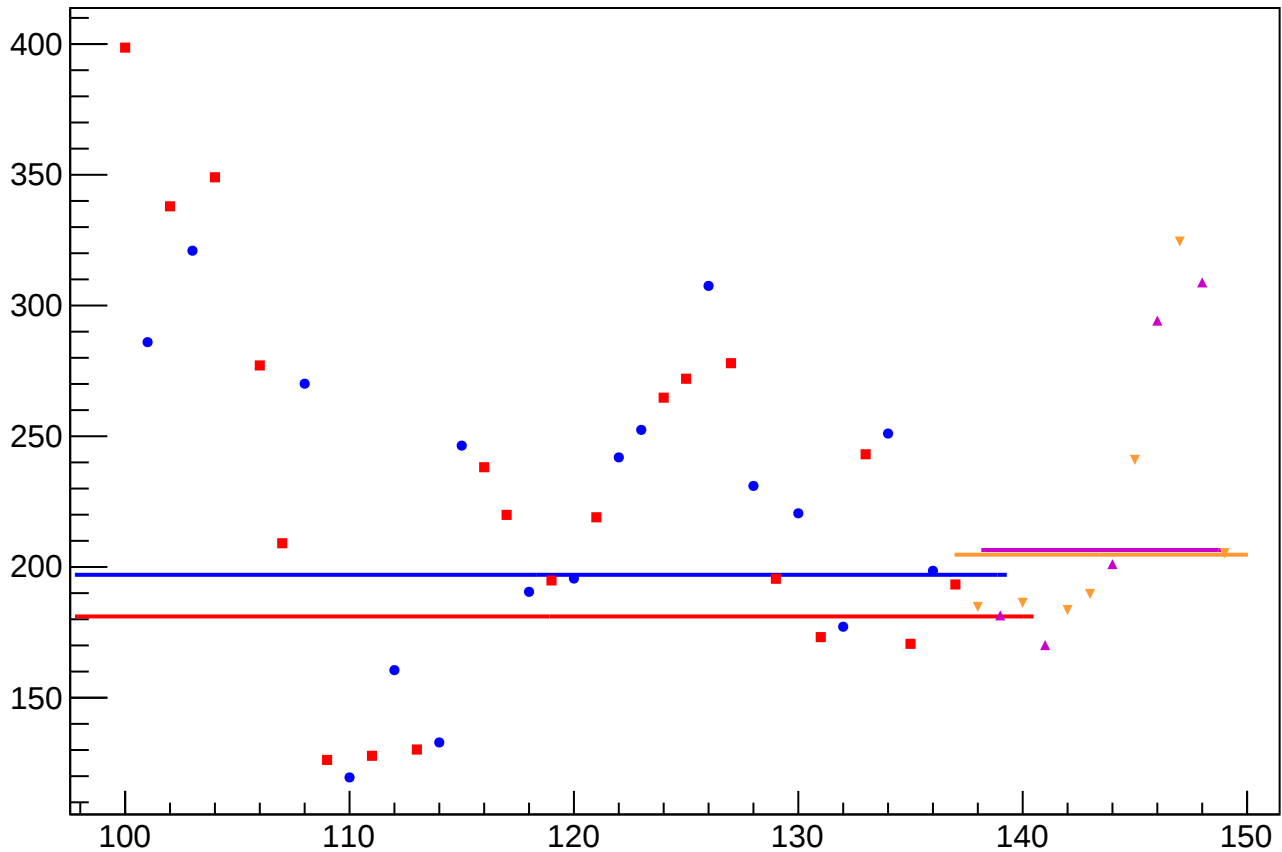
Left In: -496.407 ± 106.871 χ^2/NDF : 28.0/4

806.154 ± 61.028 χ^2/NDF : 1205.0/23

-8.422 ± 42.801 χ^2/NDF : 2210.4/48

-796.897 ± 60.042 χ^2/NDF : 654.9/24

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

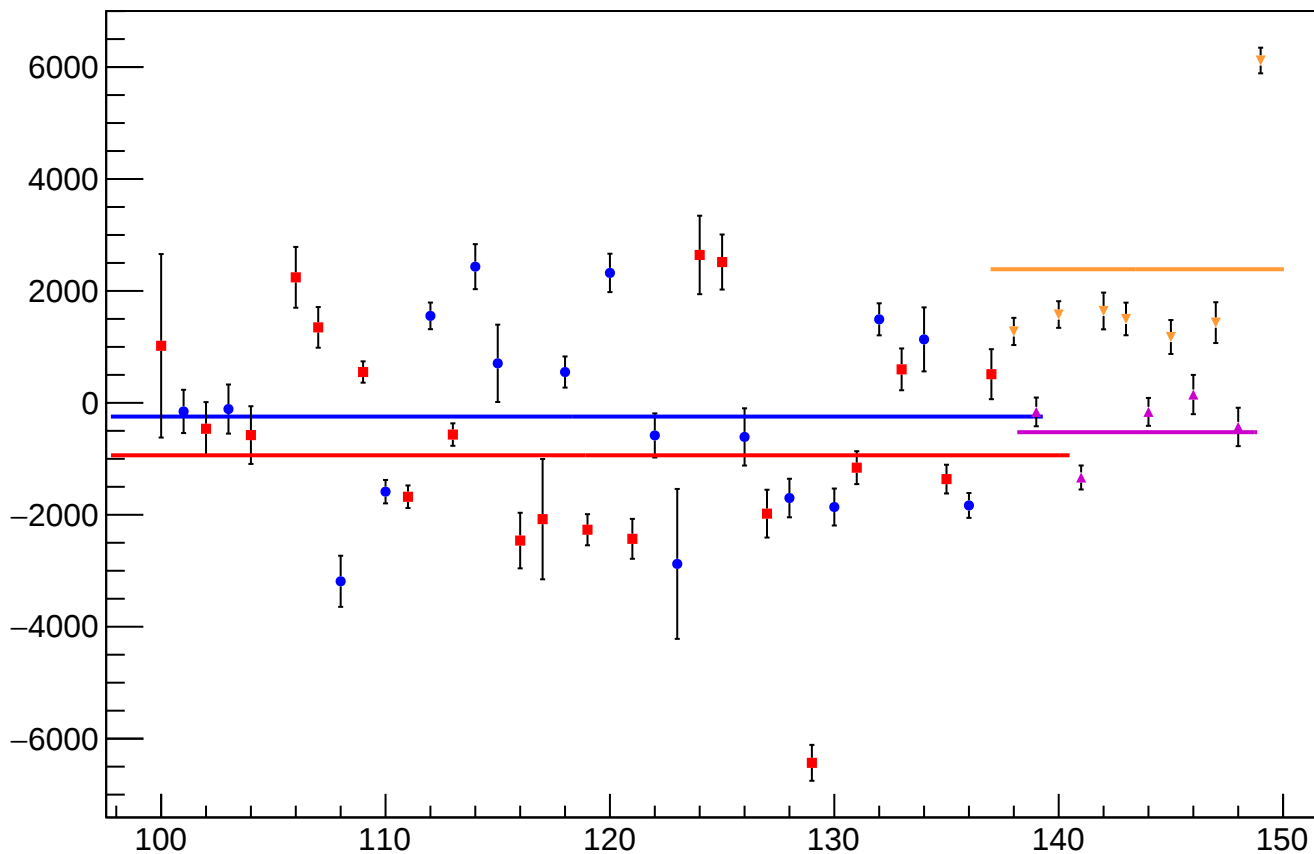
Left In: 206.487 +/- 0.076 χ^2/NDF : 420116.3/4

200.247 +/- 0.043 χ^2/NDF : 1215072.9/23

194.586 +/- 0.030 χ^2/NDF : 3094746.8/48

189.106 +/- 0.042 χ^2/NDF : 1845805.6/24

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -244.925 $\pm$ 81.395 χ^2 /NDF: 391.4/16

Left Out: 2387.514 $\pm$ 103.643 χ^2 /NDF: 334.1/6

Right Out: -936.709 $\pm$ 74.030 χ^2 /NDF: 610.9/19

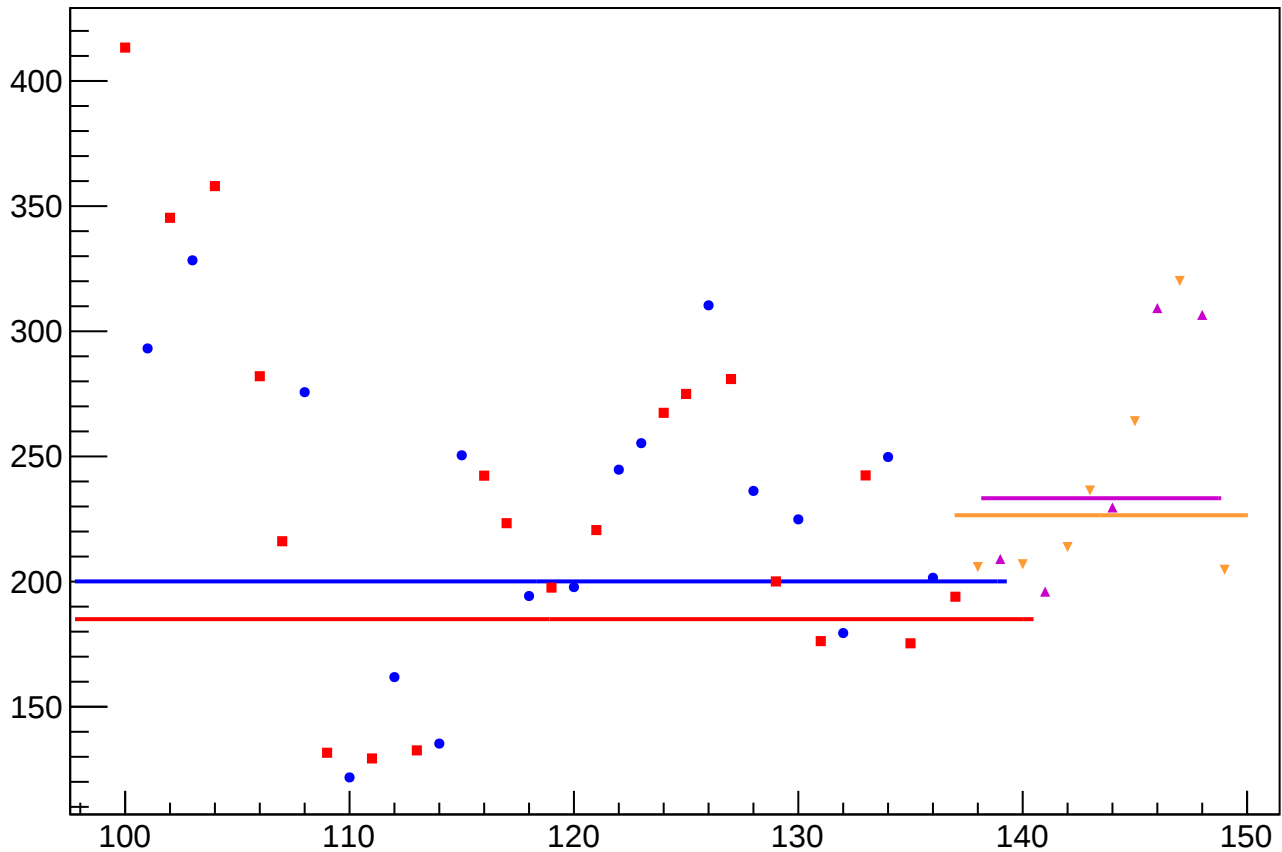
Left In: -524.051 $\pm$ 119.816 χ^2 /NDF: 22.1/4

759.288 $\pm$ 64.014 χ^2 /NDF: 1124.5/23

-44.610 $\pm$ 44.894 χ^2 /NDF: 2076.5/48

-822.700 $\pm$ 62.978 χ^2 /NDF: 641.6/24

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

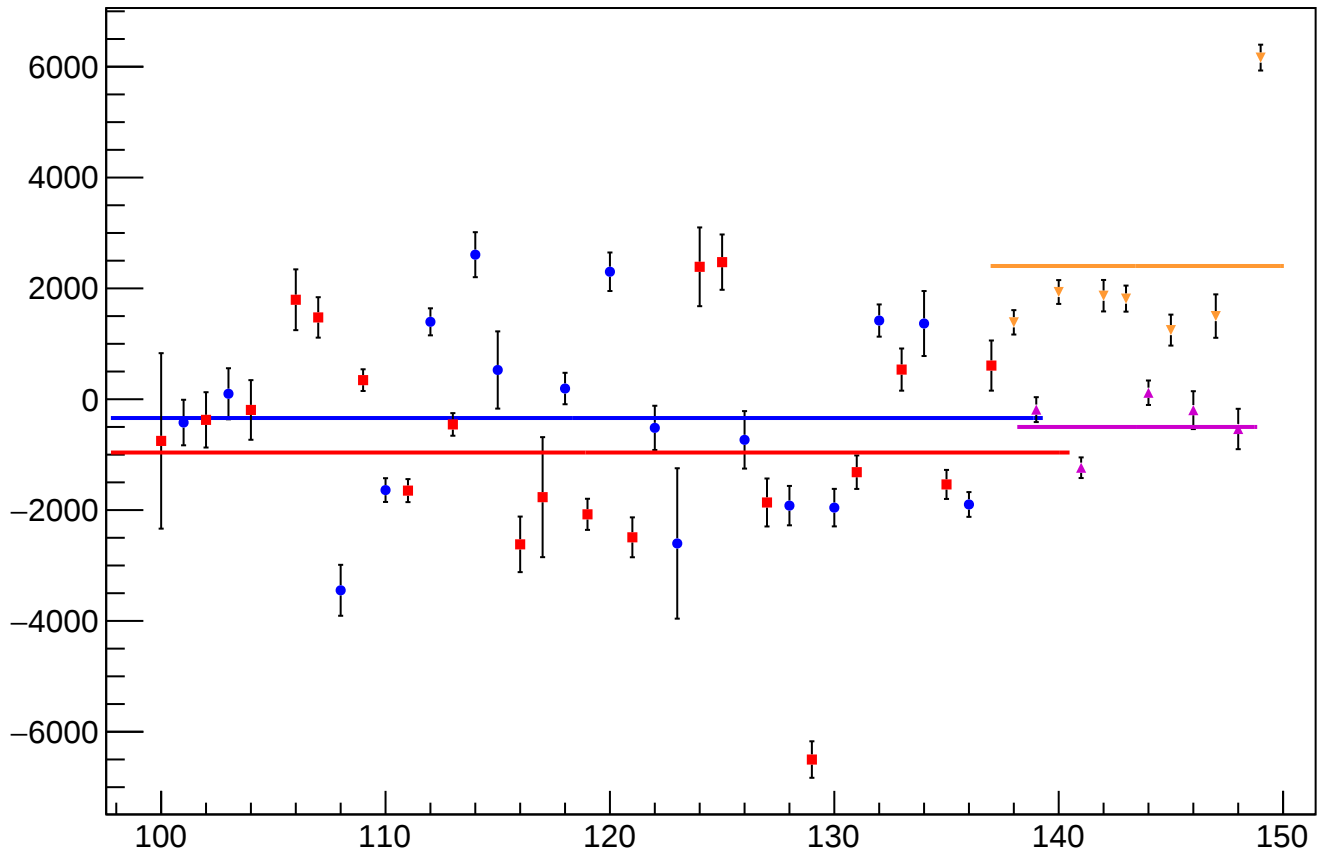
Left In: 233.310+/-0.085 χ^2/NDF : 263883.5/4

210.164+/-0.045 χ^2/NDF : 1212766.8/23

204.155+/-0.032 χ^2/NDF : 3067556.6/48

198.340+/-0.045 χ^2/NDF : 1820116.9/24

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

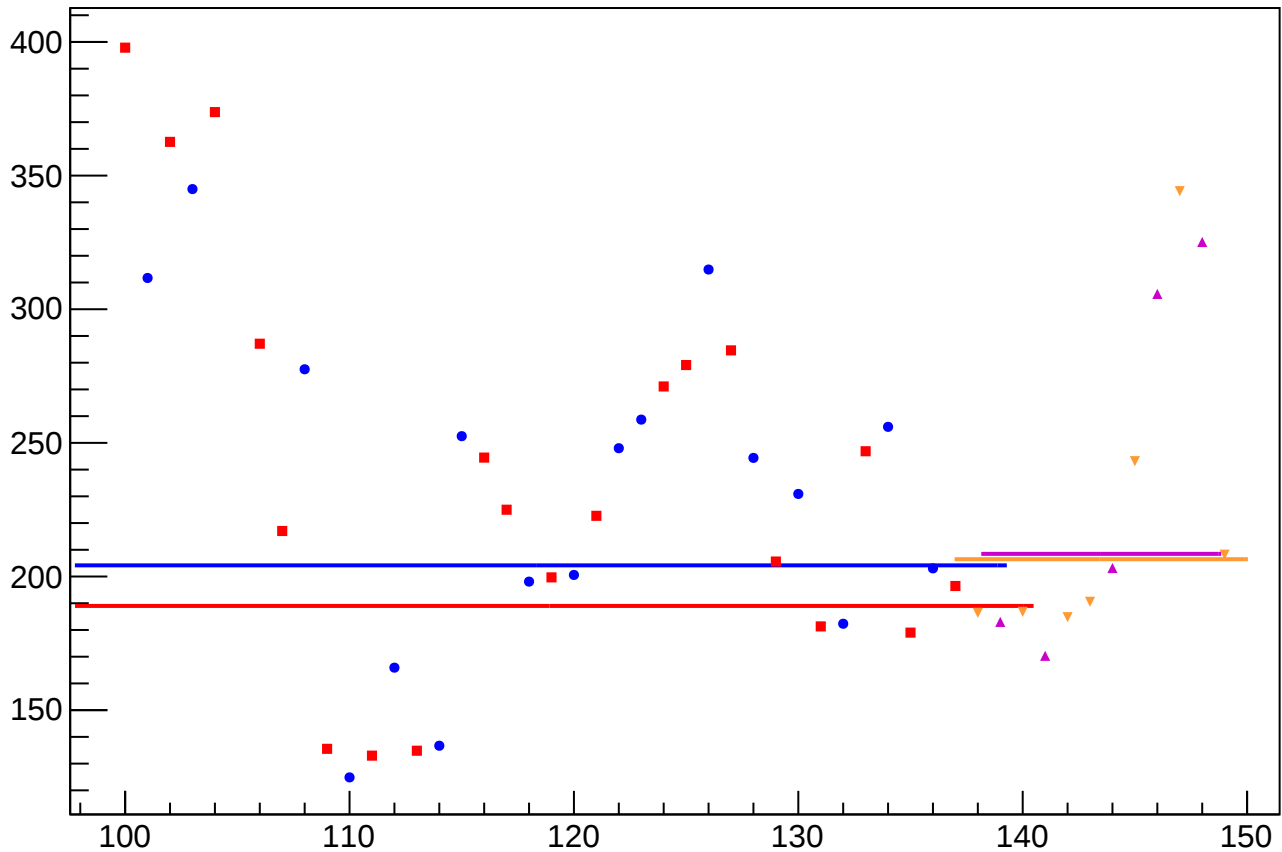
Left In: -500.227 ± 108.311 χ^2/NDF : 26.1/4

848.266 ± 62.602 χ^2/NDF : 1179.0/23

10.488 ± 44.042 χ^2/NDF : 2142.9/48

-810.525 ± 61.973 χ^2/NDF : 609.2/24

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

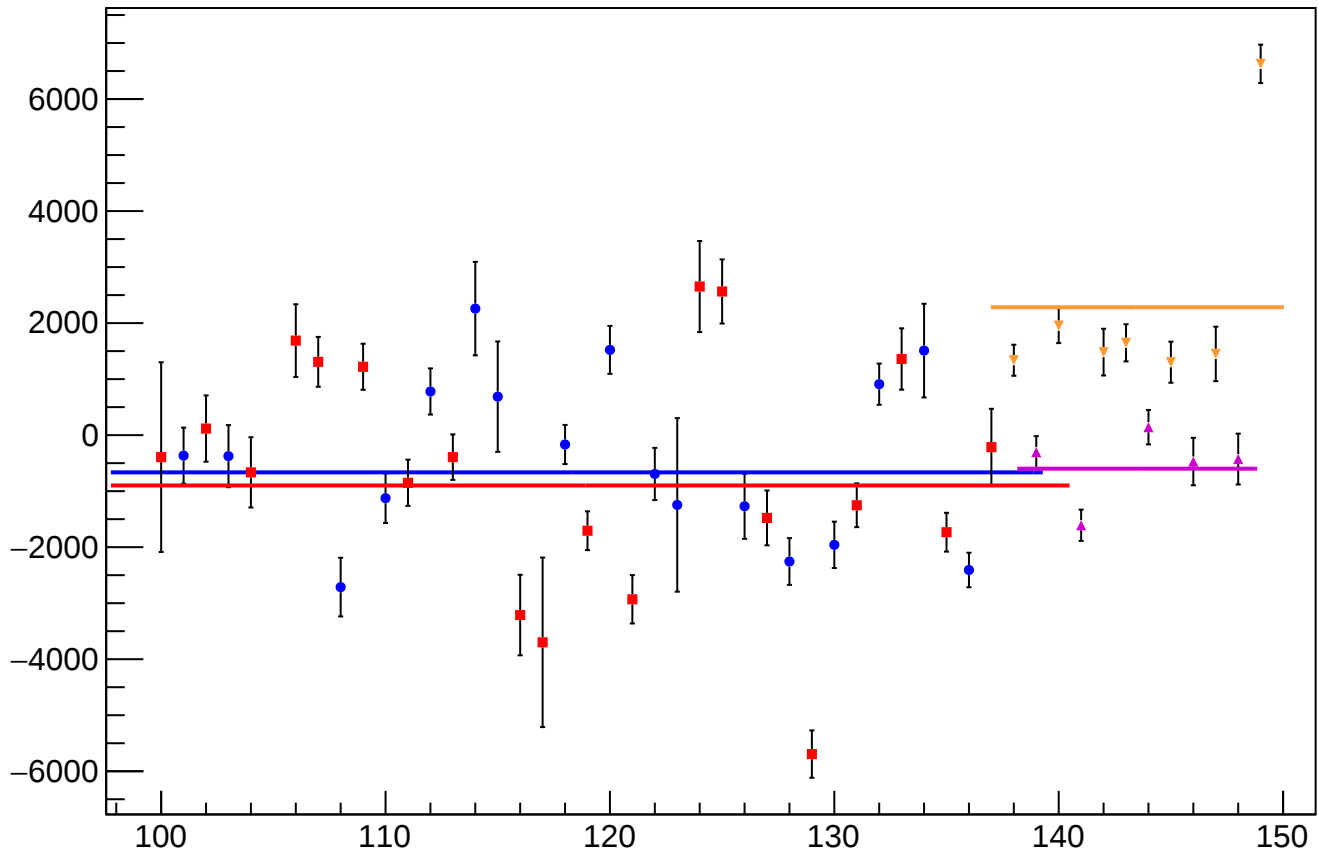
Left In: 208.480+/-0.077 χ^2/NDF : 477876.6/4

205.171+/-0.044 χ^2/NDF : 1283829.1/23

200.224+/-0.031 χ^2/NDF : 3147075.8/48

195.375+/-0.044 χ^2/NDF : 1838514.7/24

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -664.383 $\pm$ 113.949 χ^2/NDF : 154.3/16

Left Out: 2283.652 $\pm$ 130.897 χ^2/NDF : 190.8/6

Right Out: -898.290 $\pm$ 110.578 χ^2/NDF : 323.5/19

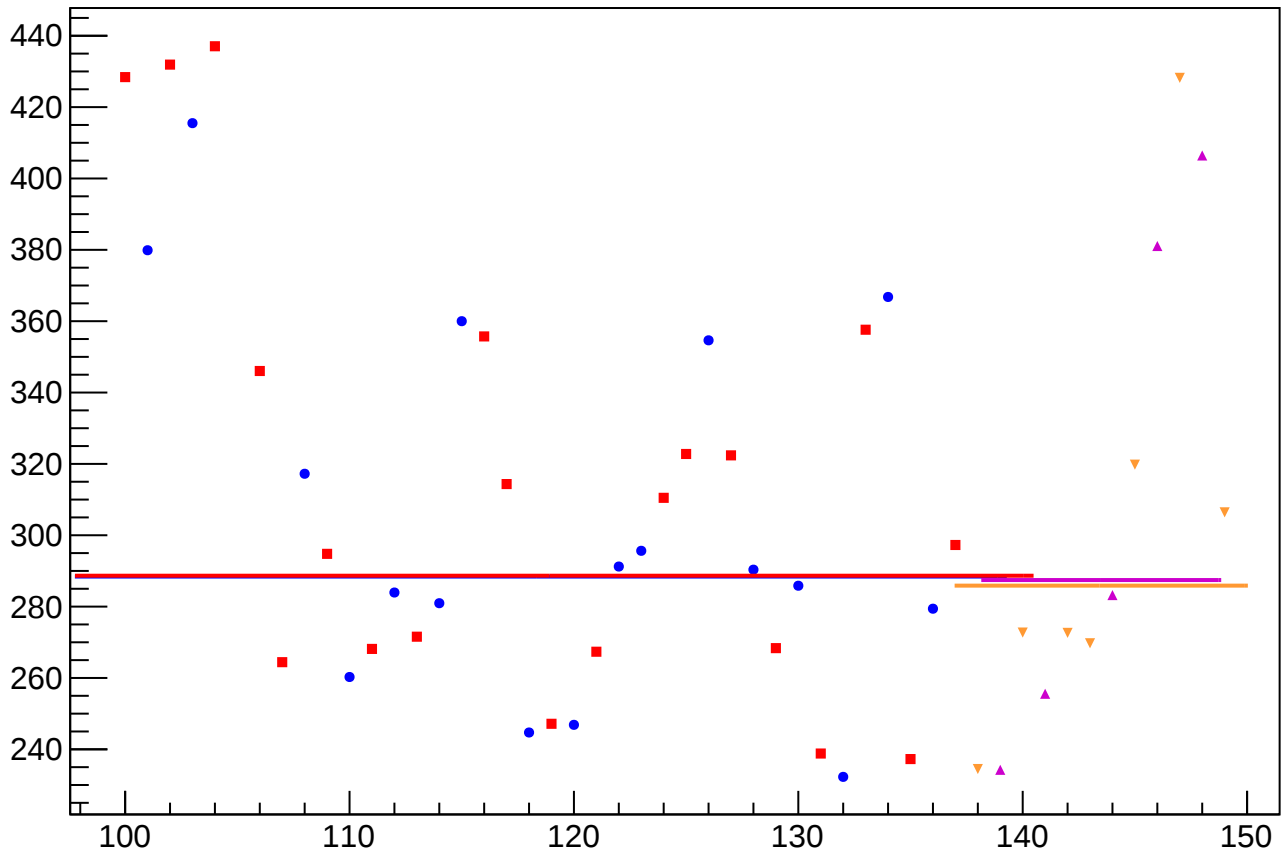
Left In: -598.587 $\pm$ 147.411 χ^2/NDF : 20.2/4

606.541 $\pm$ 85.946 χ^2/NDF : 633.7/23

-71.805 $\pm$ 61.641 χ^2/NDF : 1108.3/48

-790.372 $\pm$ 88.457 χ^2/NDF : 346.3/24

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 288.428 $\pm$ 0.081 χ^2 /NDF: 339820.0/16

Left Out: 285.880 $\pm$ 0.093 χ^2 /NDF: 274747.7/6

Right Out: 288.660 $\pm$ 0.078 χ^2 /NDF: 455989.7/19

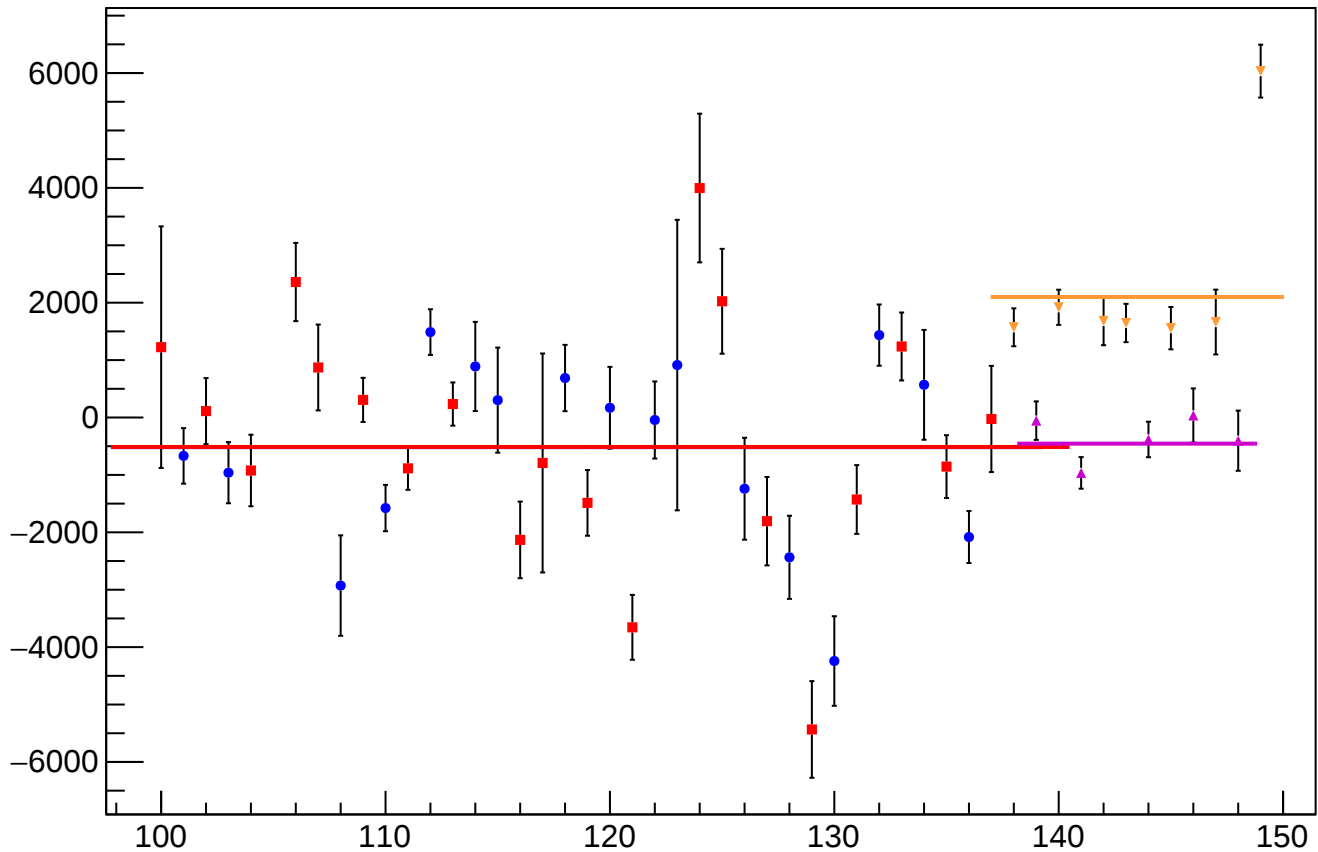
Left In: 287.445 $\pm$ 0.104 χ^2 /NDF: 330619.4/4

287.330 $\pm$ 0.061 χ^2 /NDF: 614998.9/23

287.763 $\pm$ 0.044 χ^2 /NDF: 1401799.7/48

288.223 $\pm$ 0.063 χ^2 /NDF: 786696.0/24

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

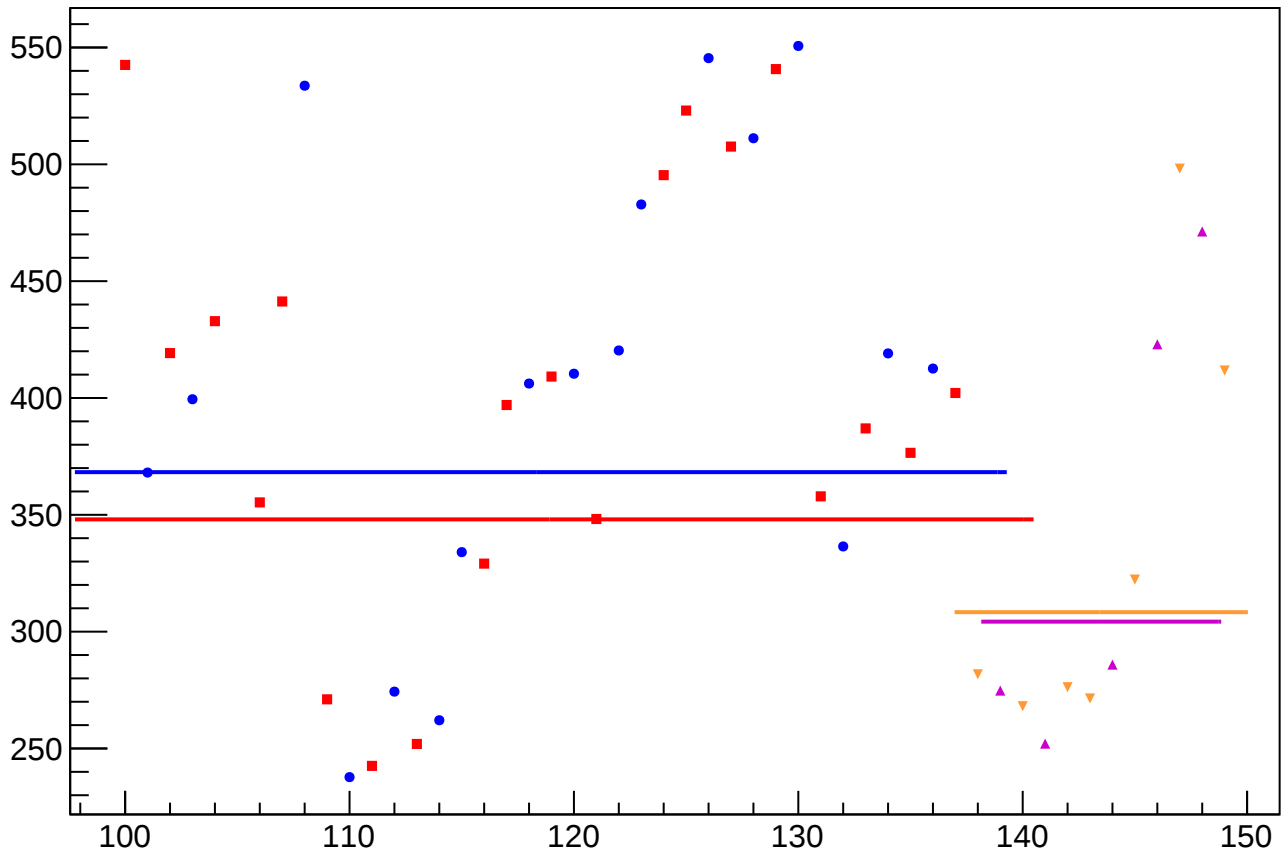
Left In: -455.370+/-156.808 χ^2/NDF : 6.0/4

840.320+/-102.226 χ^2/NDF : 352.9/23

177.713+/-72.384 χ^2/NDF : 584.5/48

-488.524+/-102.506 χ^2/NDF : 147.4/24

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 368.264 $\pm$ 0.104 χ^2/NDF : 770116.6/16

Left Out: 308.342 $\pm$ 0.100 χ^2/NDF : 413307.2/6

Right Out: 348.050 $\pm$ 0.096 χ^2/NDF : 823186.4/19

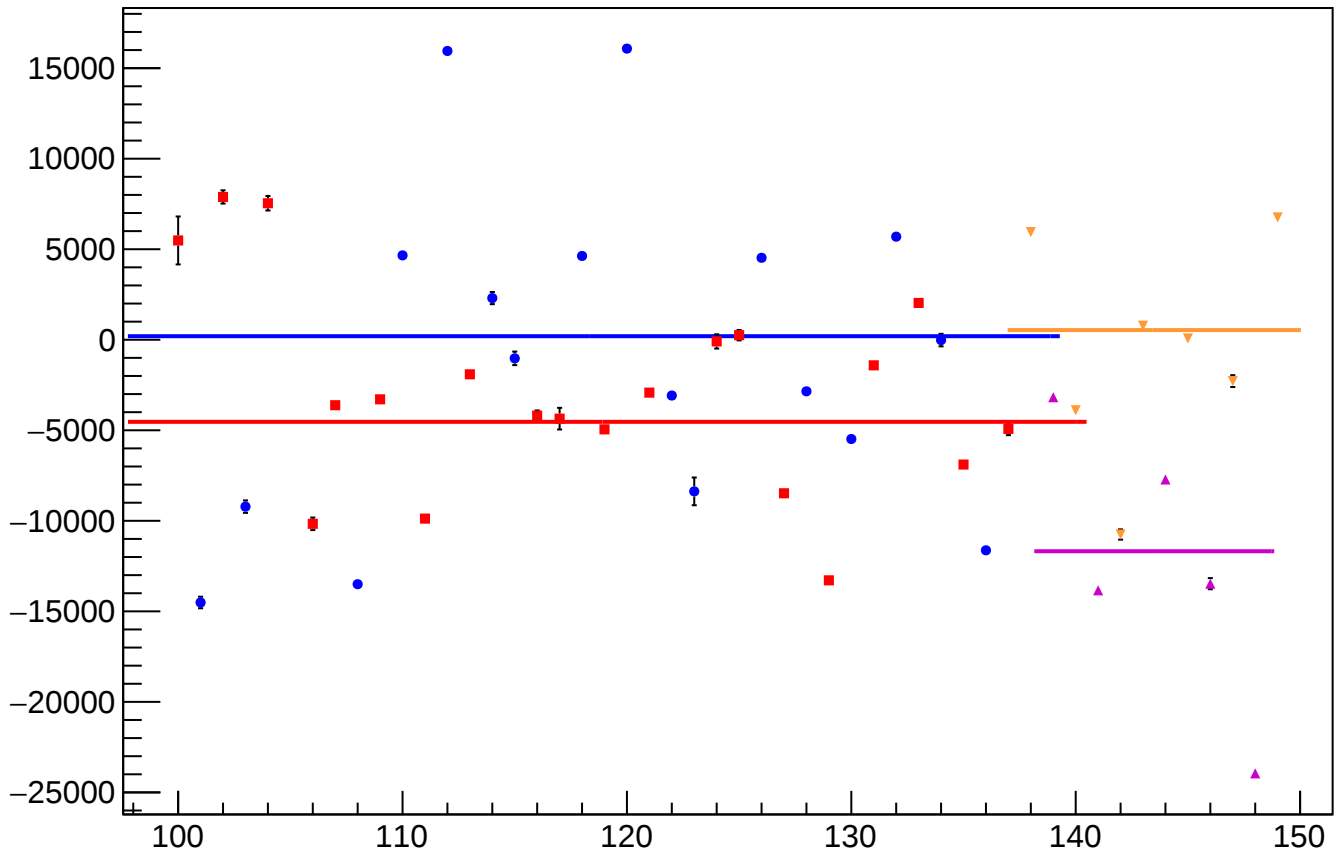
Left In: 304.284 $\pm$ 0.111 χ^2/NDF : 424525.0/4

337.193 $\pm$ 0.072 χ^2/NDF : 1354984.9/23

333.281 $\pm$ 0.051 χ^2/NDF : 2697793.2/48

329.348 $\pm$ 0.072 χ^2/NDF : 1336935.3/24

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

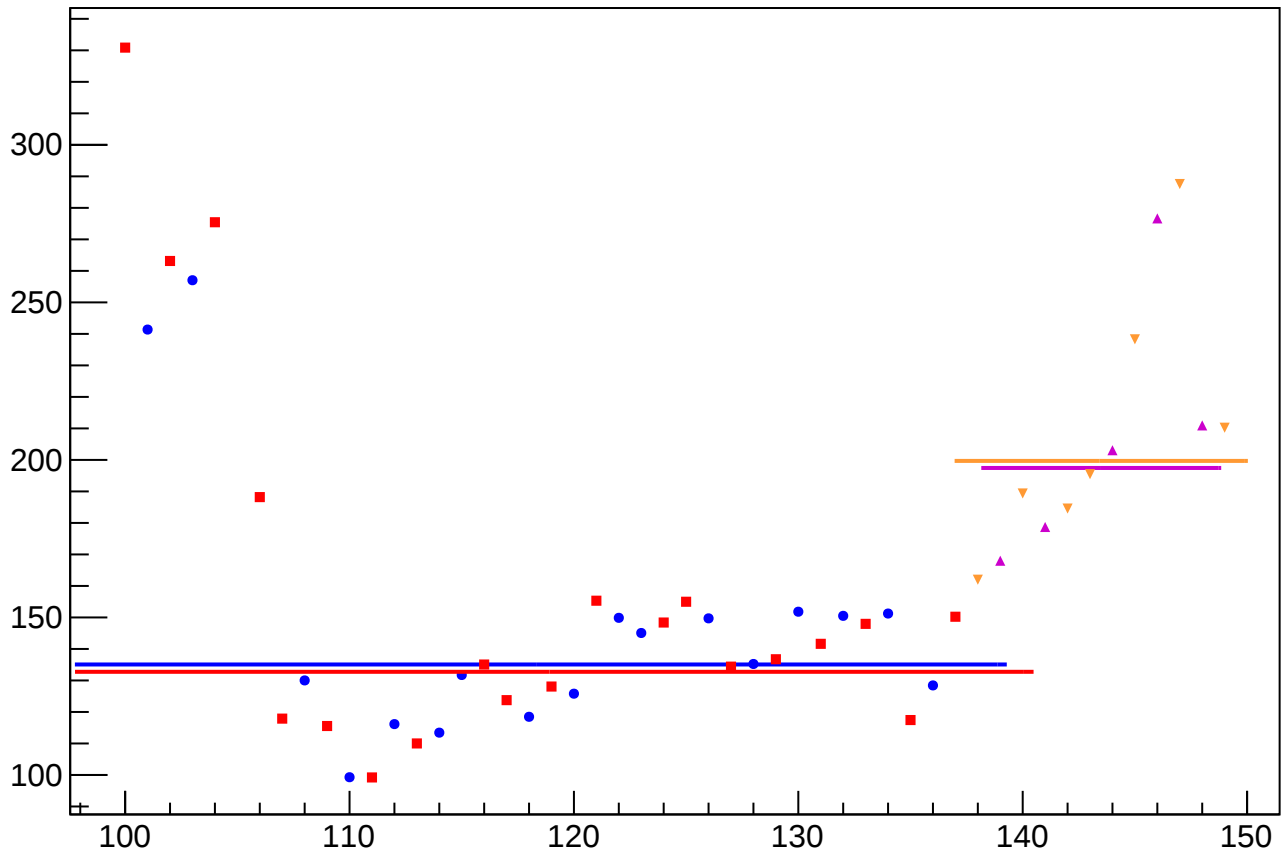
Left In: -11679.907 ± 101.222 χ^2/NDF : 4704.0/4

286.167 ± 47.013 χ^2/NDF : 34261.9/23

-2914.422 ± 33.038 χ^2/NDF : 59535.9/48

-6037.055 ± 46.437 χ^2/NDF : 16117.5/24

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

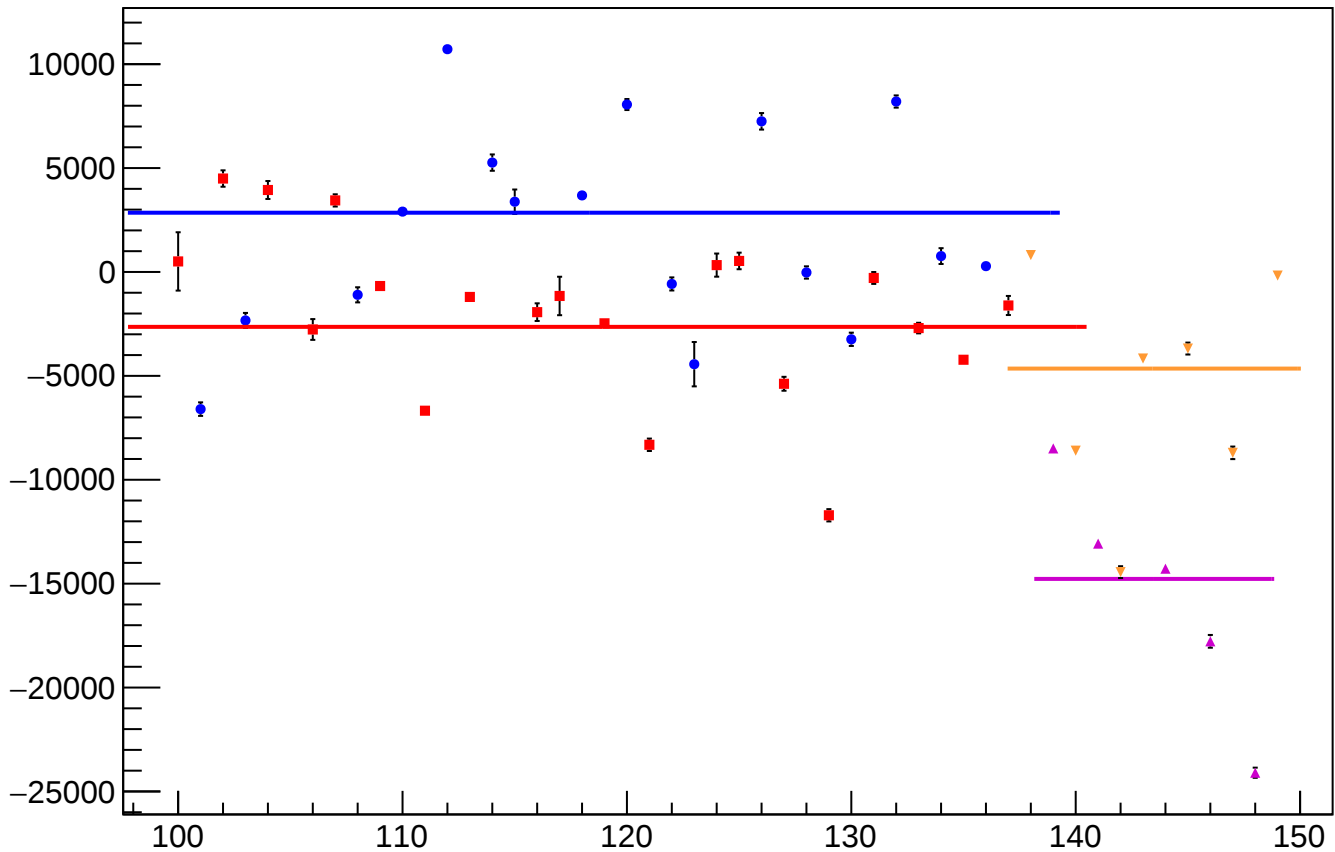
Left In: 197.445+/-0.072 χ^2/NDF : 199494.8/4

152.128+/-0.033 χ^2/NDF : 1671221.3/23

149.210+/-0.023 χ^2/NDF : 3362684.3/48

146.364+/-0.033 χ^2/NDF : 1676245.1/24

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2851.437 $\pm$ 70.753 χ^2 /NDF: 4178.1/16

Left Out: -4649.754 $\pm$ 91.699 χ^2 /NDF:2844.6/6

Right Out: -2641.642 $\pm$ 65.566 χ^2 /NDF: 3178.3/19

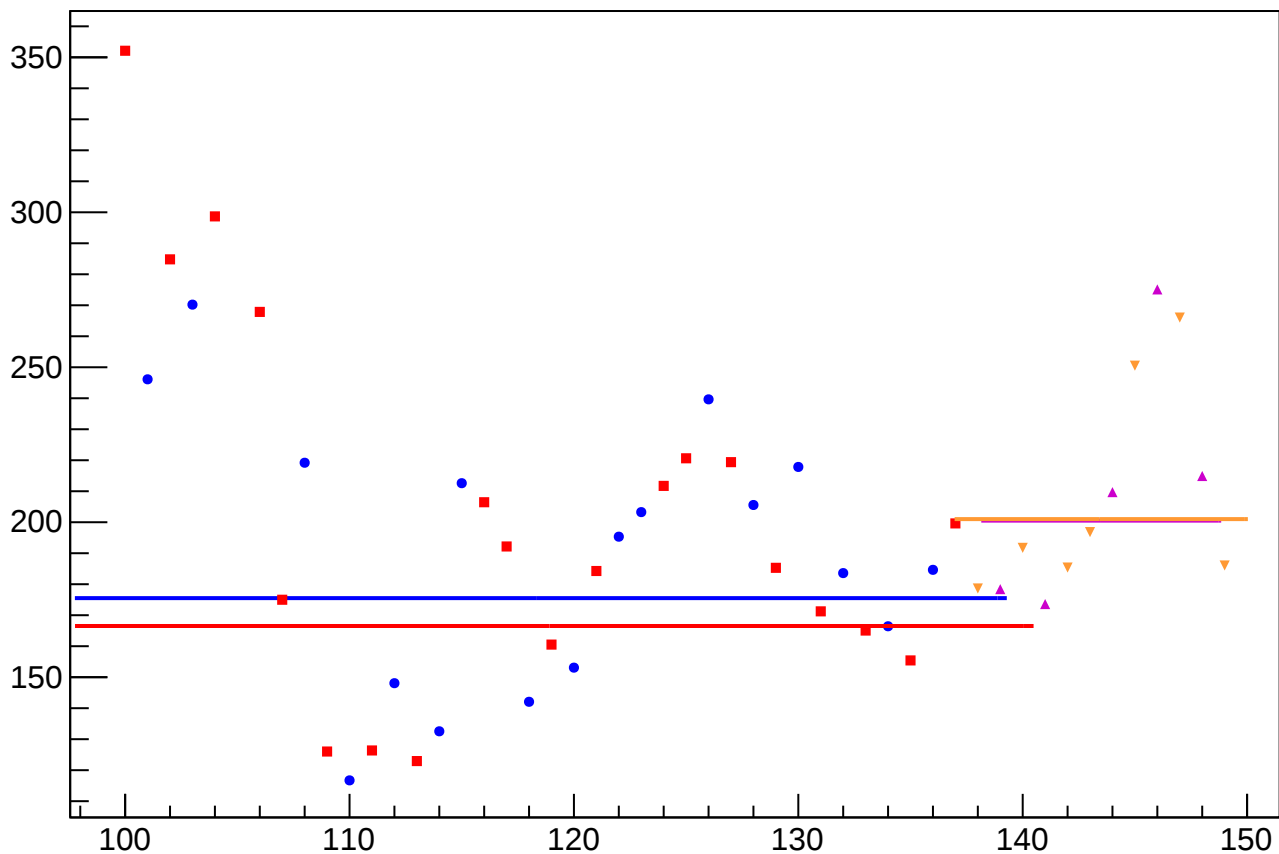
Left In: -14771.665 $\pm$ 102.383 χ^2 /NDF:2463.3/4

52.174 $\pm$ 56.017 χ^2 /NDF: 11217.3/23

-3103.560 $\pm$ 39.323 χ^2 /NDF: 33070.3/48

-6169.473 $\pm$ 55.214 χ^2 /NDF: 15596.1/24

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

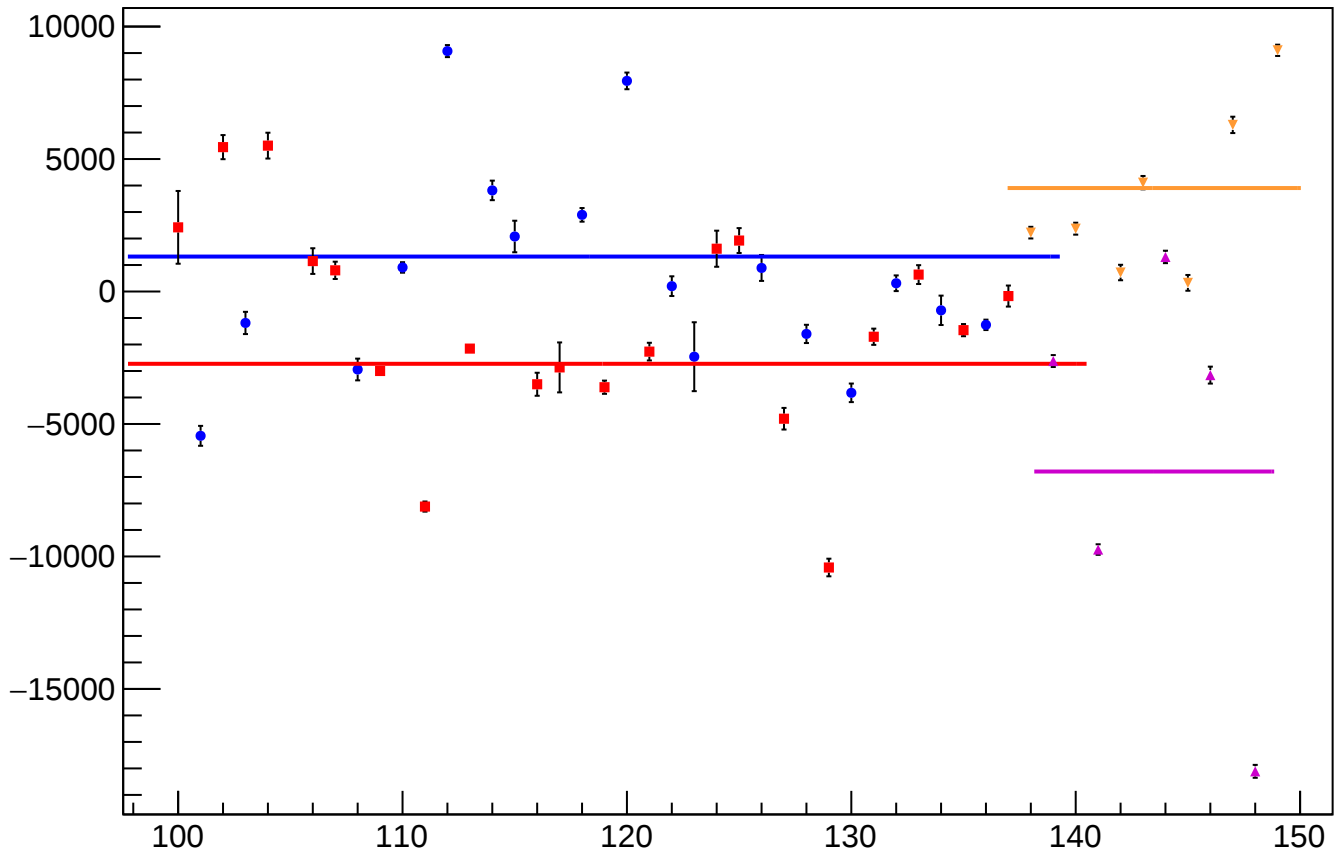
Left In: 200.520 +/- 0.072 χ^2/NDF : 189093.7/4

185.028 +/- 0.040 χ^2/NDF : 981661.9/23

180.657 +/- 0.028 χ^2/NDF : 2282237.6/48

176.410 +/- 0.039 χ^2/NDF : 1276564.4/24

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1319.009 $\pm$ 77.146 χ^2/NDF : 2667.0/16

Left Out: 3905.031 $\pm$ 94.709 χ^2/NDF : 1023.6/6

Right Out: -2728.550 $\pm$ 69.837 χ^2/NDF : 2495.9/19

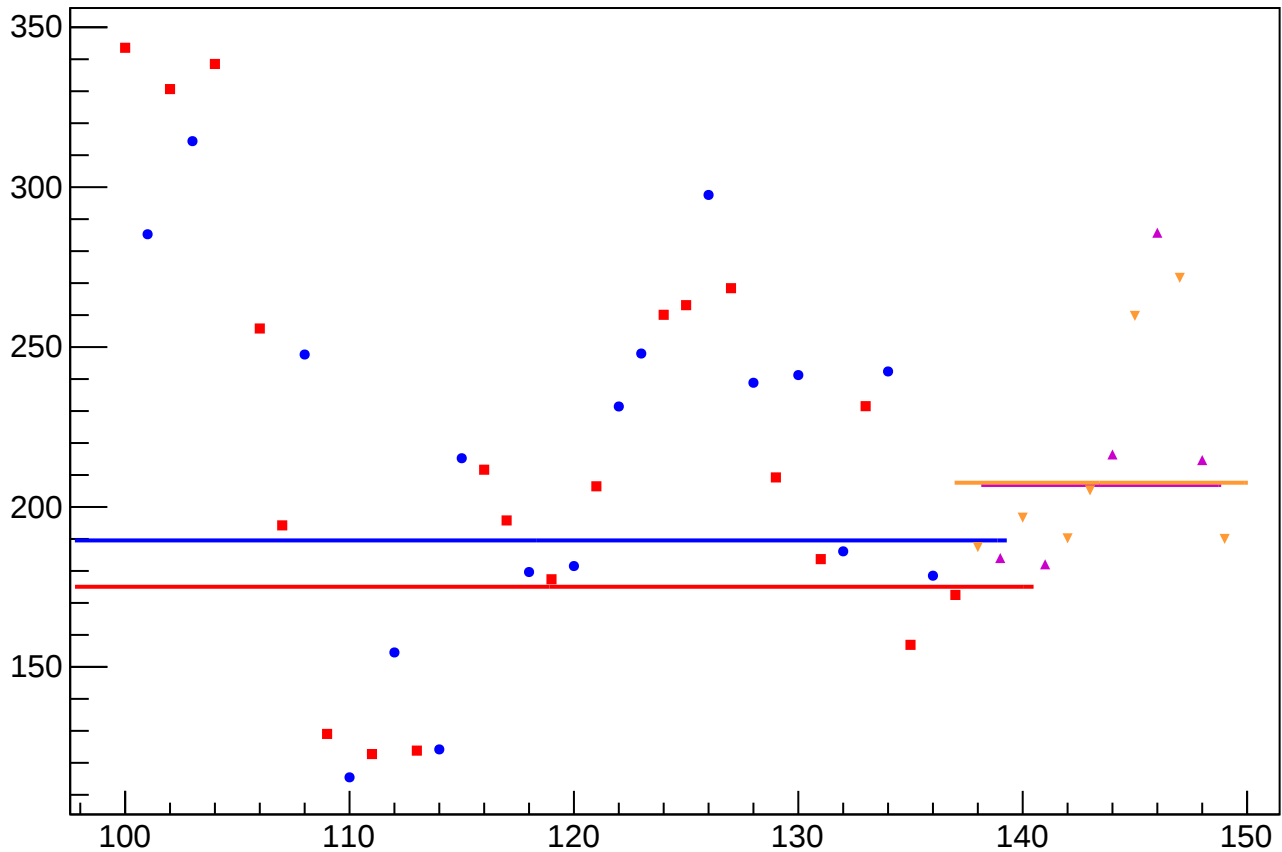
Left In: -6794.275 $\pm$ 105.606 χ^2/NDF : 4032.2/4

2350.463 $\pm$ 59.814 χ^2/NDF : 4138.8/23

-891.096 $\pm$ 41.731 χ^2/NDF : 17420.8/48

-3965.573 $\pm$ 58.252 χ^2/NDF : 7559.3/24

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

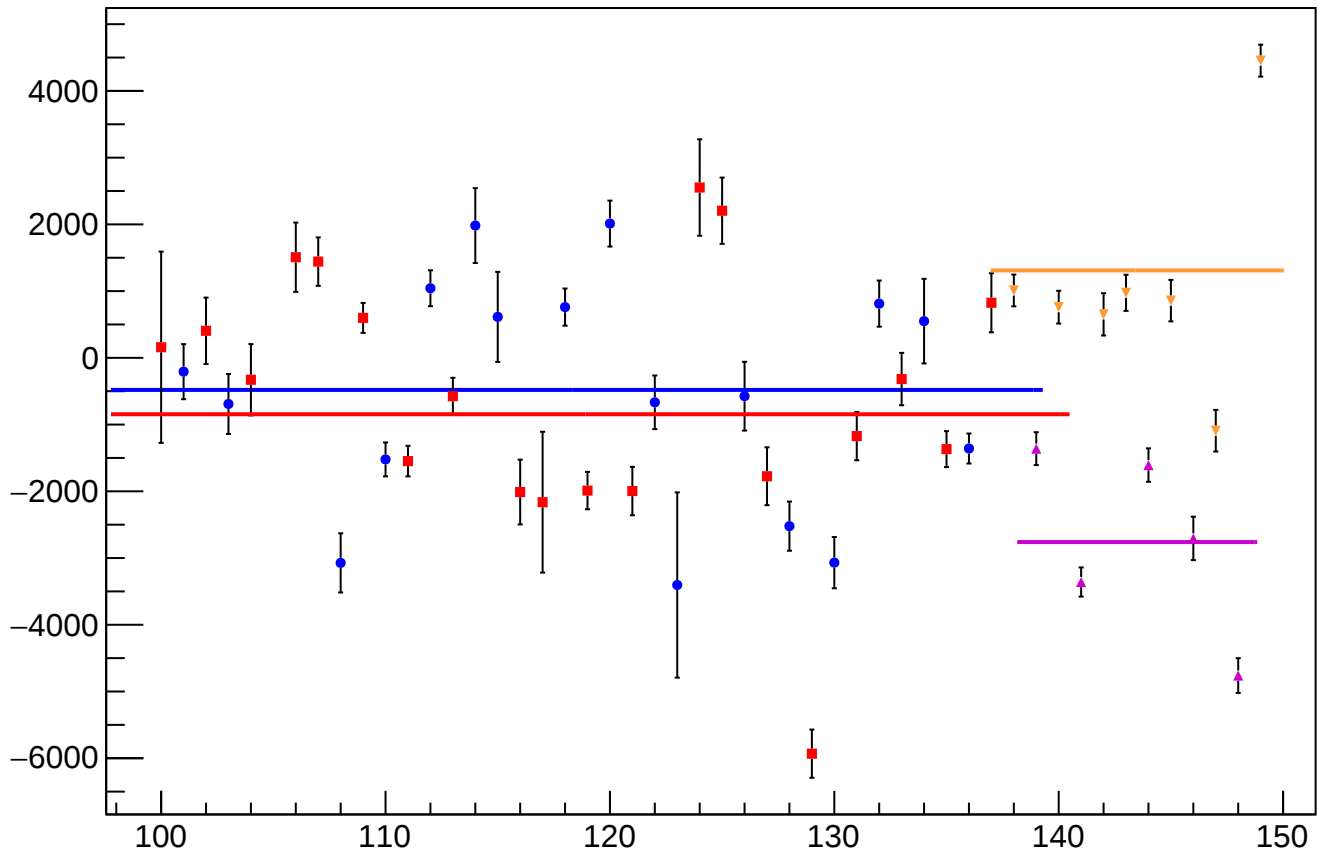
Left In: 206.884 $\pm$ 0.075 χ^2/NDF : 178815.1/4

196.741 $\pm$ 0.042 χ^2/NDF : 1214035.9/23

190.582 $\pm$ 0.030 χ^2/NDF : 2858618.1/48

184.741 $\pm$ 0.041 χ^2/NDF : 1603270.8/24

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -480.578+/-88.640 χ^2/NDF : 290.7/16

Left Out: 1310.206+/-102.150 χ^2/NDF : 246.4/6

Right Out: -845.444+/-81.995 χ^2/NDF : 436.9/19

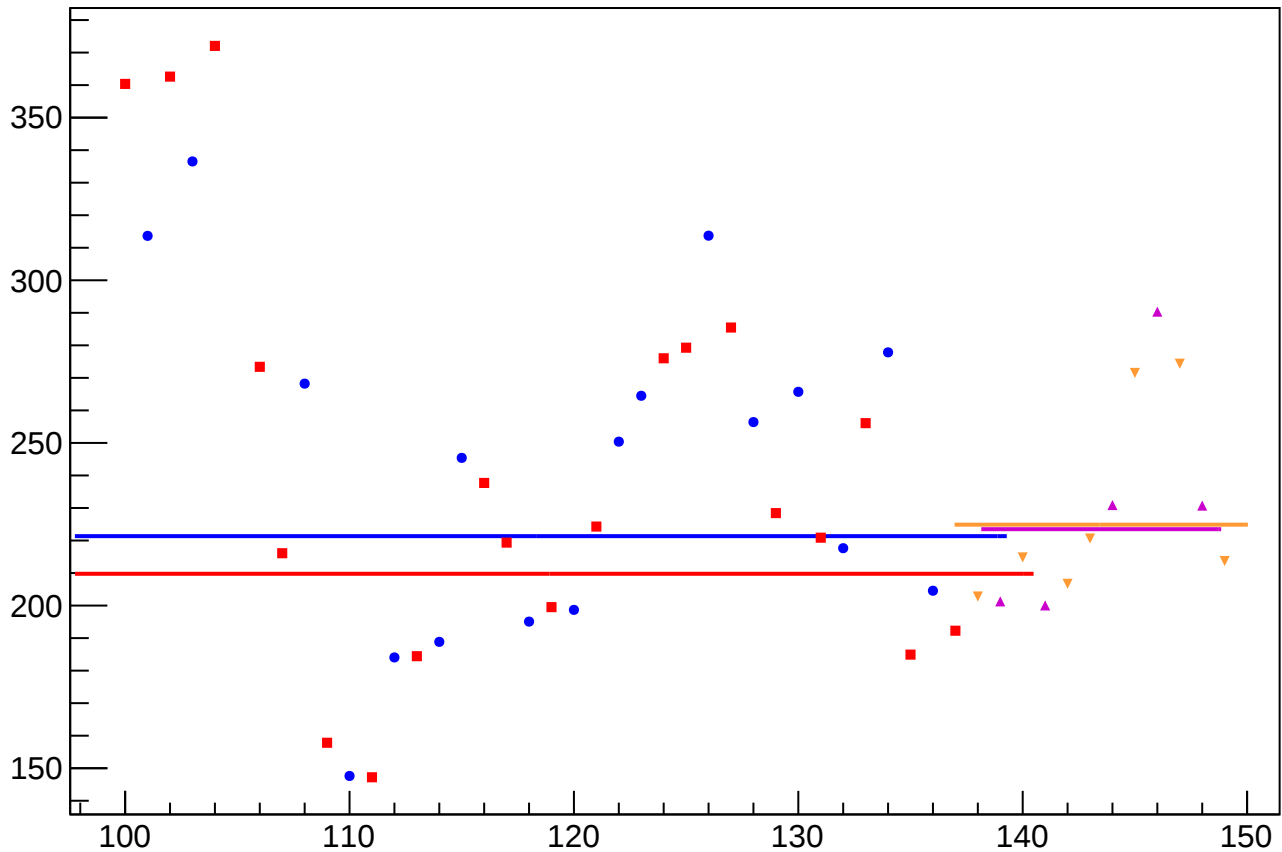
Left In: -2760.820+/-113.537 χ^2/NDF : 120.1/4

288.644+/-66.949 χ^2/NDF : 712.4/23

-613.063+/-47.171 χ^2/NDF : 1816.6/48

-1501.989+/-66.472 χ^2/NDF : 744.0/24

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

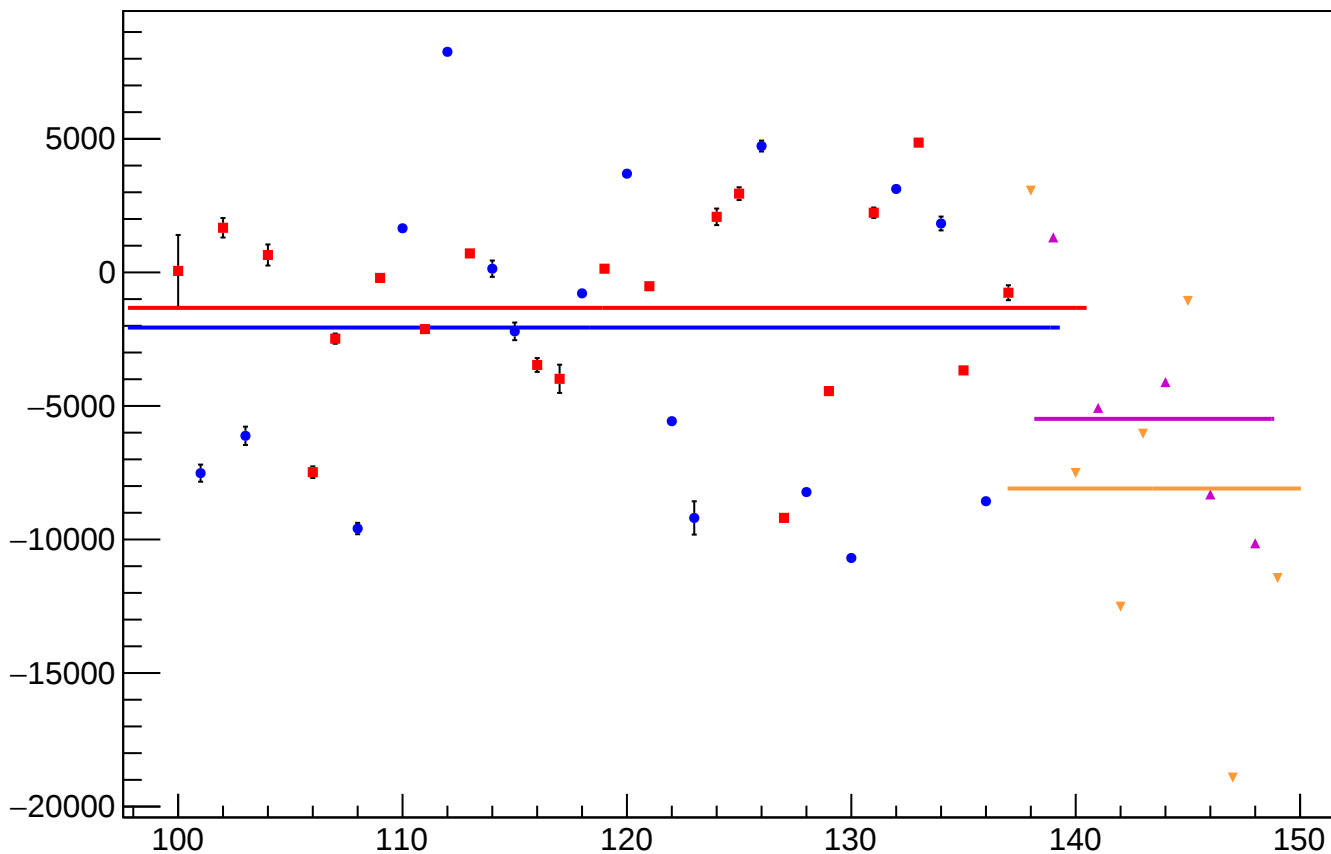
Left In: 223.481 ± 0.080 χ^2/NDF : 126994.7/4

222.859 ± 0.047 χ^2/NDF : 774337.3/23

218.636 ± 0.033 χ^2/NDF : 1820372.3/48

214.473 ± 0.047 χ^2/NDF : 1030233.4/24

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

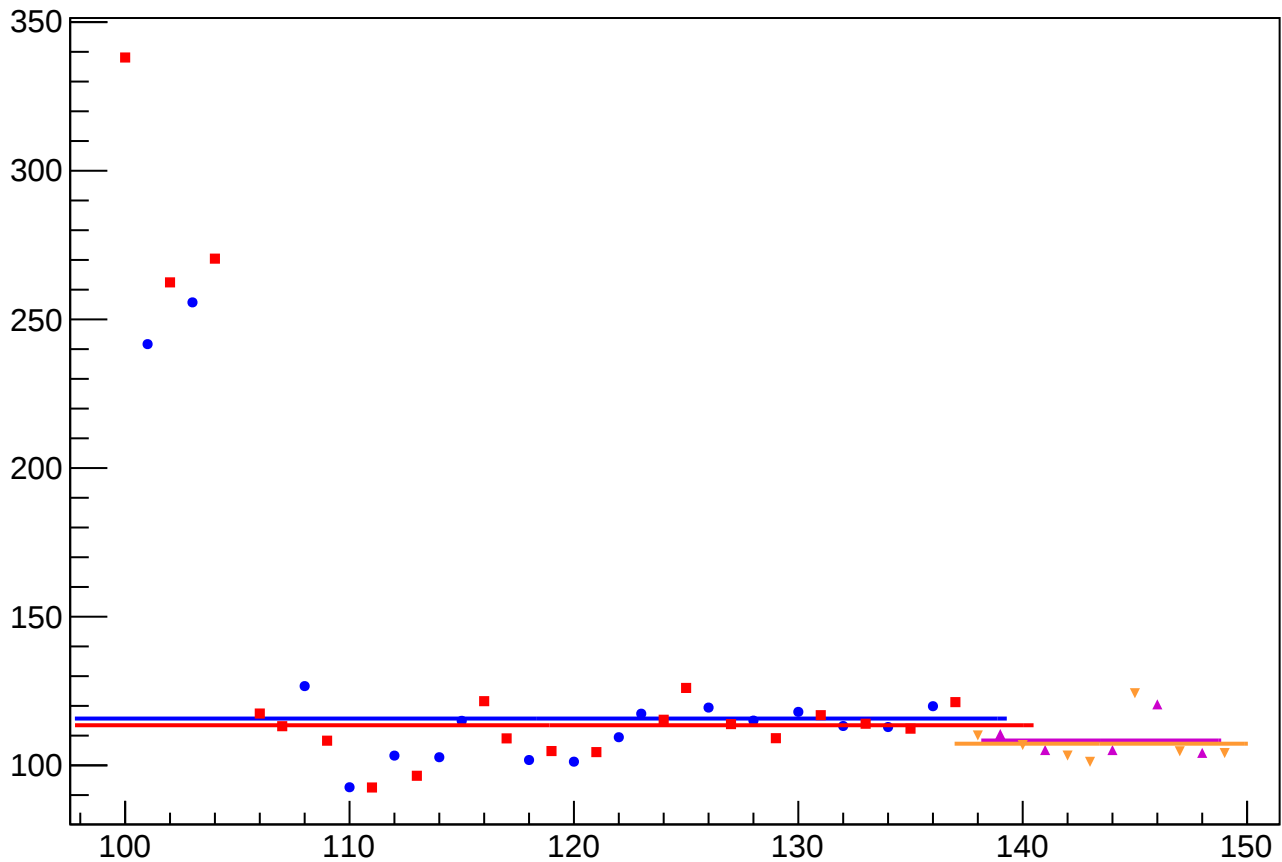
Left In: -5483.061 $\pm$ 54.944 χ^2/NDF : 4644.3/4

-4978.771 $\pm$ 34.009 χ^2/NDF : 44239.7/23

-4004.950 $\pm$ 24.302 χ^2/NDF : 59912.4/48

-2988.883 $\pm$ 34.739 χ^2/NDF : 13997.2/24

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 $\pm$ 0.033 $\chi^2/\text{NDF}: 744017.7/16$

Left Out: 107.282 $\pm$ 0.035 $\chi^2/\text{NDF}: 37087.9/6$

Right Out: 113.487 $\pm$ 0.032 $\chi^2/\text{NDF}: 796781.7/19$

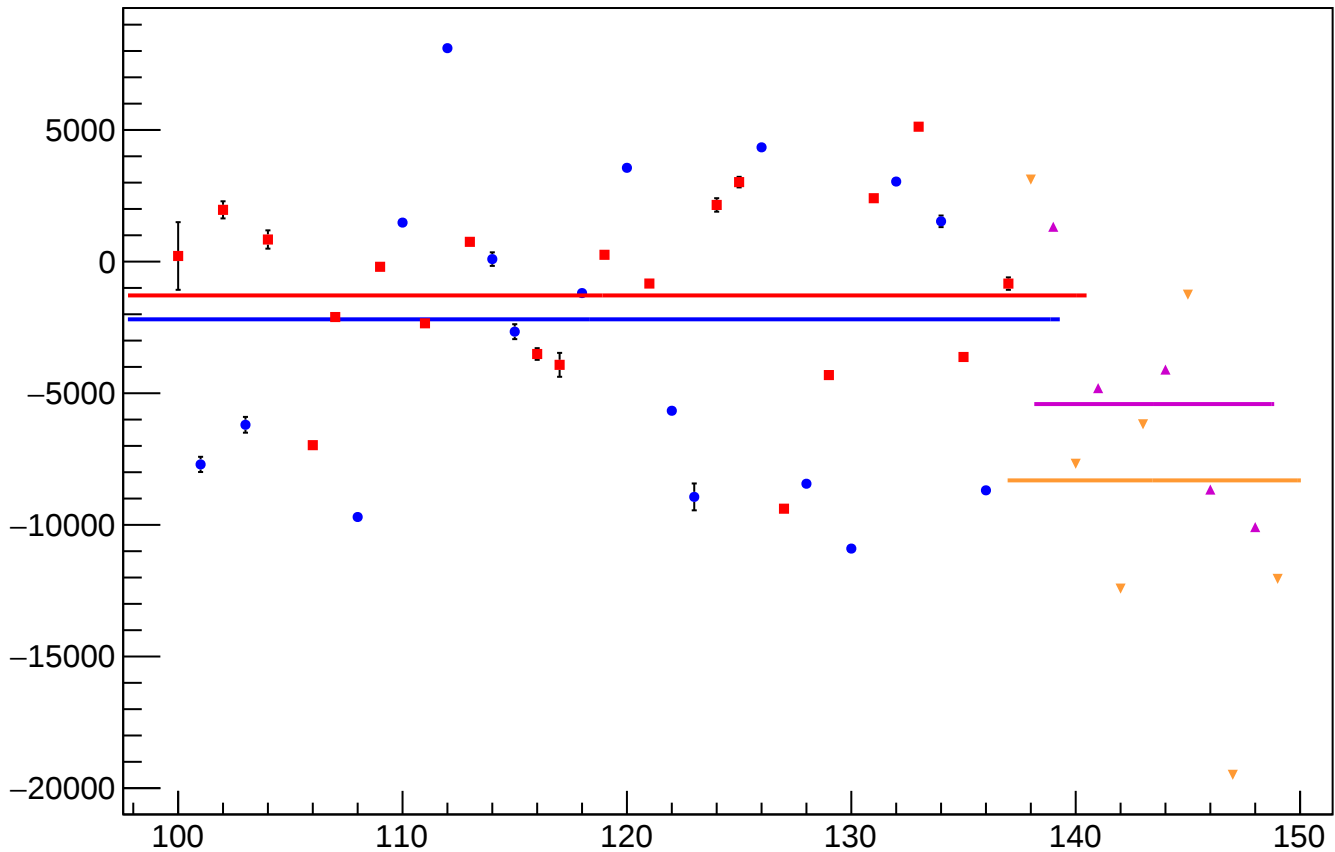
Left In: 108.354 $\pm$ 0.039 $\chi^2/\text{NDF}: 22355.1/4$

111.651 $\pm$ 0.024 $\chi^2/\text{NDF}: 812000.9/23$

111.545 $\pm$ 0.017 $\chi^2/\text{NDF}: 1641655.0/48$

111.435 $\pm$ 0.025 $\chi^2/\text{NDF}: 829614.7/24$

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2192.327+/-39.944 χ^2/NDF : 22813.5/16

Left Out: -8310.142+/-45.401 χ^2/NDF : 23755.9/6

Right Out: -1284.692+/-37.915 χ^2/NDF : 8584.4/19

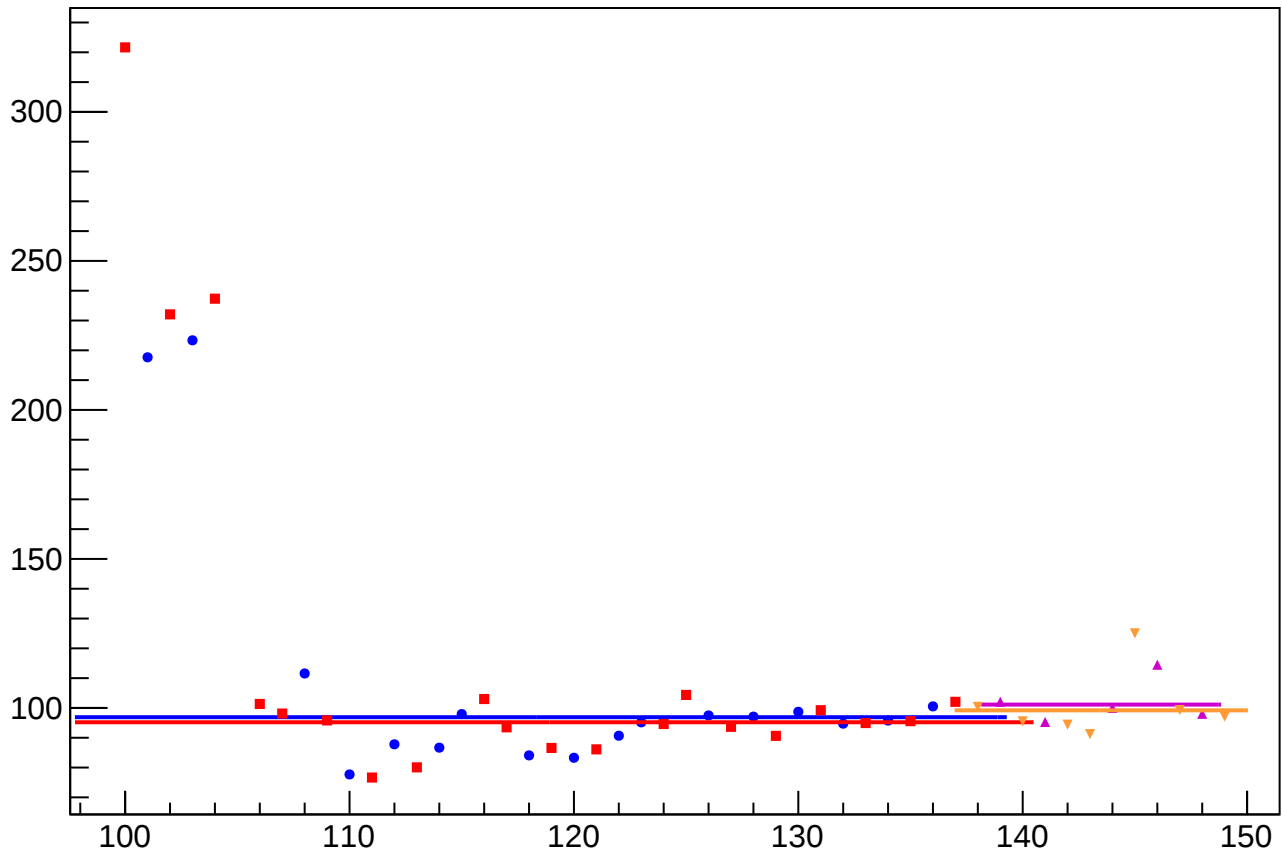
Left In: -5411.042+/-51.373 χ^2/NDF : 5444.8/4

-4861.643+/-29.989 χ^2/NDF : 56804.6/23

-3818.828+/-21.386 χ^2/NDF : 77470.7/48

-2739.737+/-30.507 χ^2/NDF : 18205.7/24

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 $\chi^2/\text{NDF}: 859838.2/19$

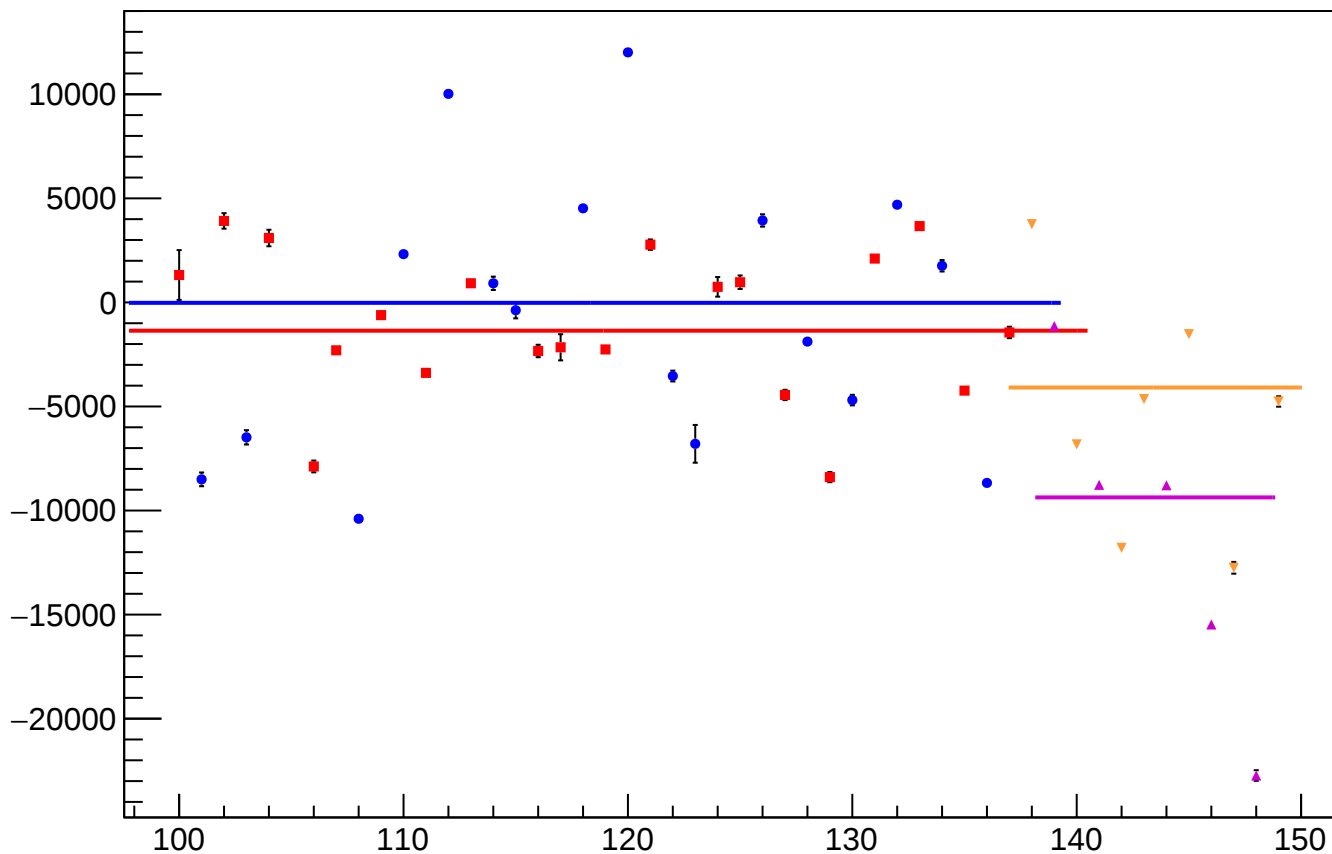
Left In: 101.128 ± 0.036 $\chi^2/\text{NDF}: 29853.1/4$

97.898 ± 0.021 $\chi^2/\text{NDF}: 899002.3/23$

97.600 ± 0.015 $\chi^2/\text{NDF}: 1806328.9/48$

97.291 ± 0.022 $\chi^2/\text{NDF}: 906924.1/24$

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

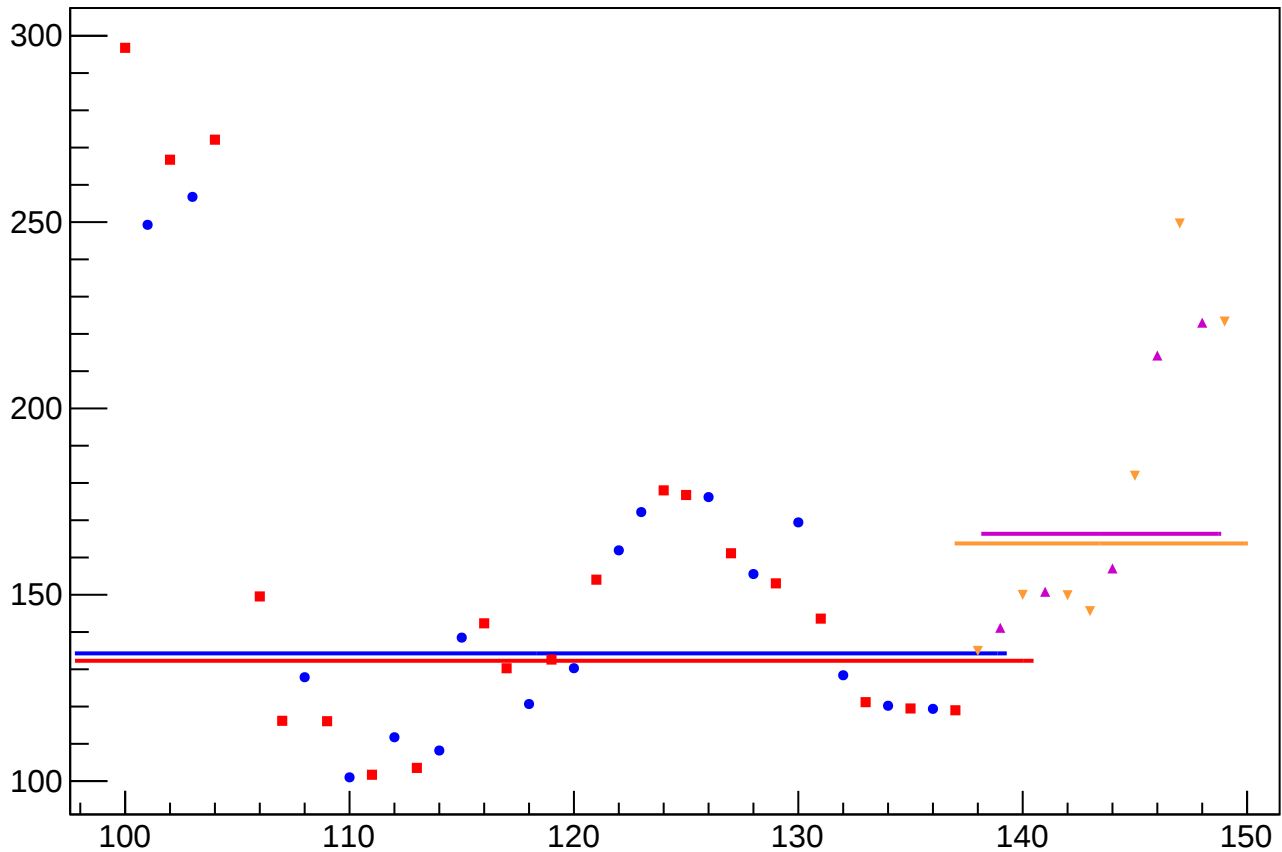
Left In: -9369.501 ± 85.446 χ^2/NDF : 5682.2/4

-1413.548 ± 44.309 χ^2/NDF : 23184.1/23

-2468.965 ± 31.411 χ^2/NDF : 40246.9/48

-3535.234 ± 44.537 χ^2/NDF : 15922.2/24

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 134.268 $\pm$ 0.039 χ^2/NDF : 788647.0/16

Left Out: 163.770 $\pm$ 0.054 χ^2/NDF : 419687.2/6

Right Out: 132.288 $\pm$ 0.037 χ^2/NDF : 869913.4/19

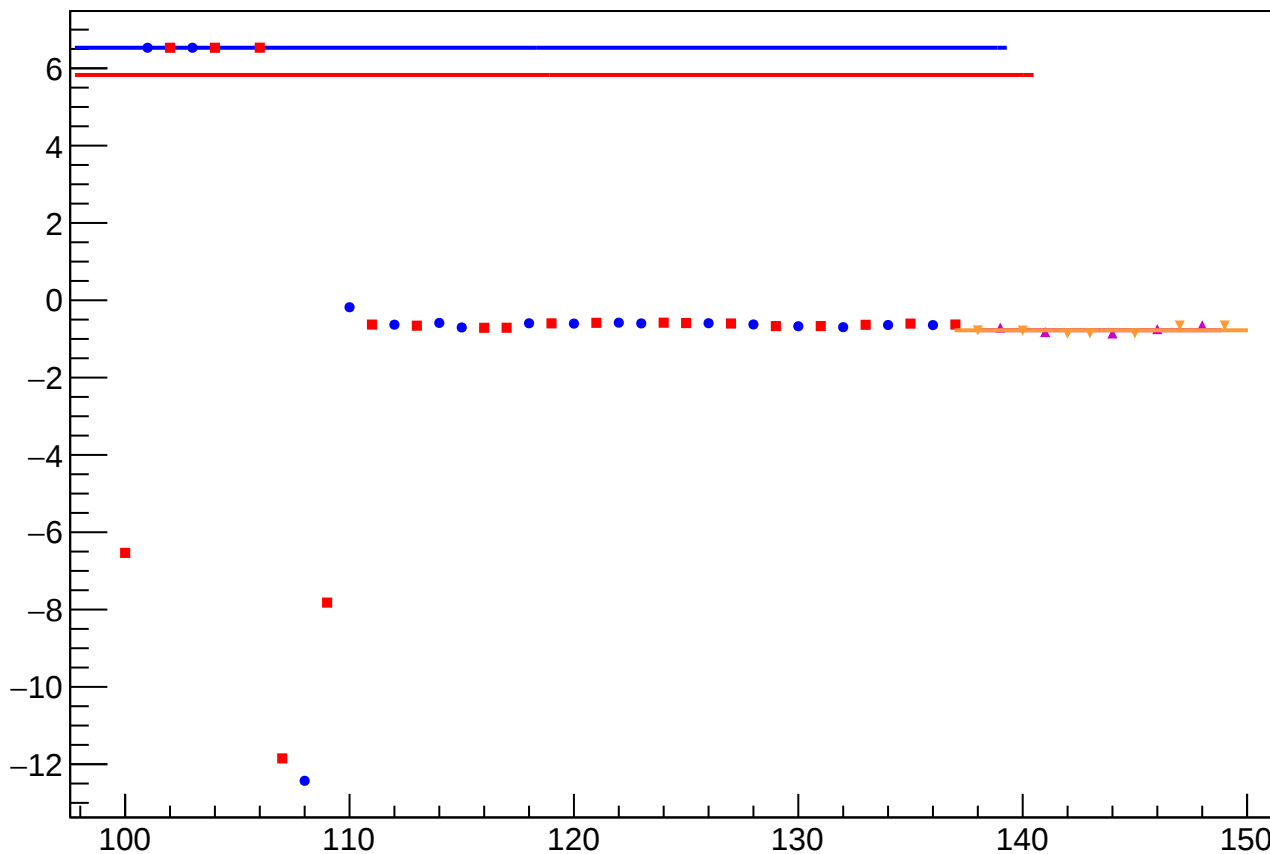
Left In: 166.363 $\pm$ 0.060 χ^2/NDF : 245747.0/4

144.371 $\pm$ 0.031 χ^2/NDF : 1407994.0/23

142.966 $\pm$ 0.022 χ^2/NDF : 2759350.7/48

141.545 $\pm$ 0.031 χ^2/NDF : 1347309.8/24

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF : 127906780672.7/16

Left Out: -0.776+/-0.000 χ^2/NDF : 41157637.9/6

Right Out: 5.827+/-0.000 χ^2/NDF : 755949520765363.8/19

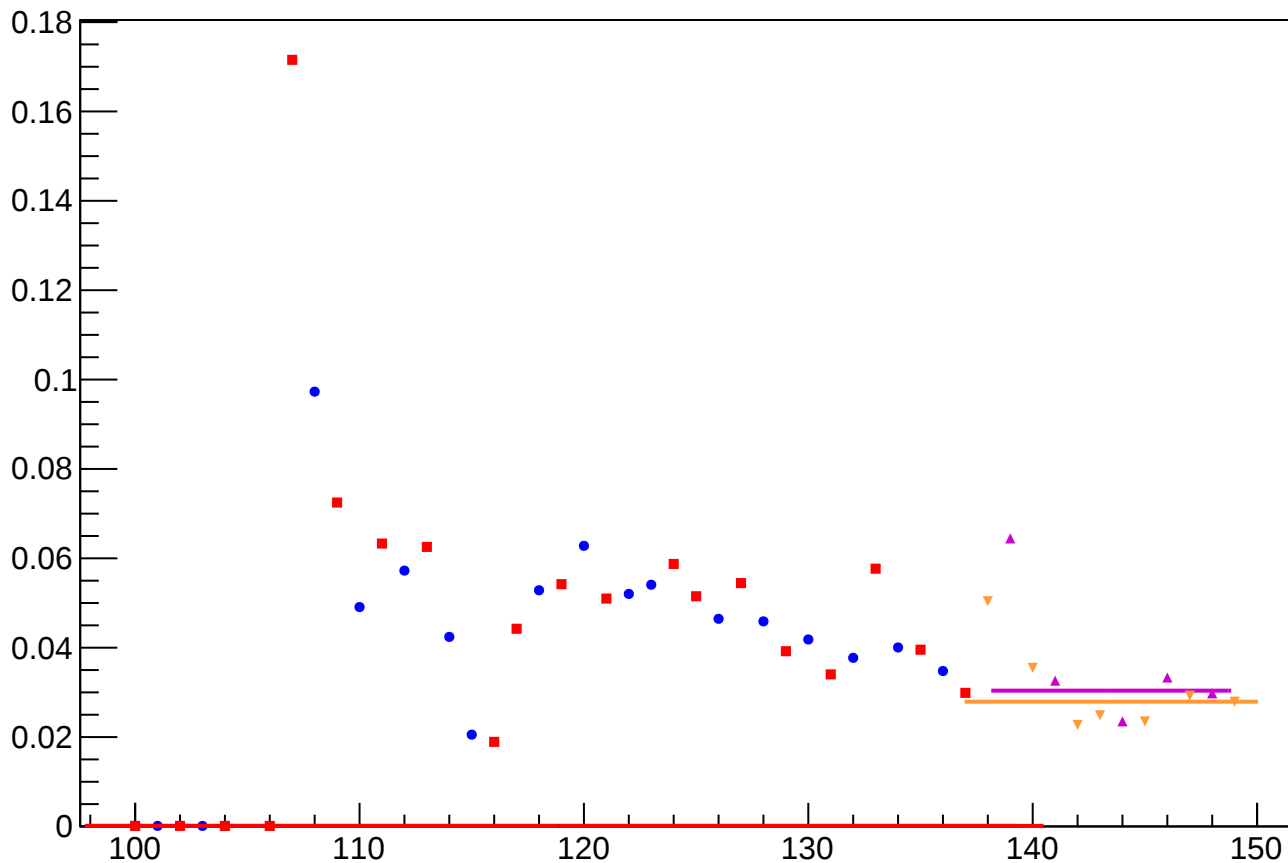
Left In: -0.773+/-0.000 χ^2/NDF : 22740669.7/4

6.531+/-0.000 χ^2/NDF : 374383986607.9/23

6.154+/-0.000 χ^2/NDF : 77645437707659

5.827+/-0.000 χ^2/NDF : 756087386284199.0/24

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.028+/-0.000 χ^2/NDF : 376527.7/6

Right Out: 0.000+/-0.000 χ^2/NDF : 9453181.1/19

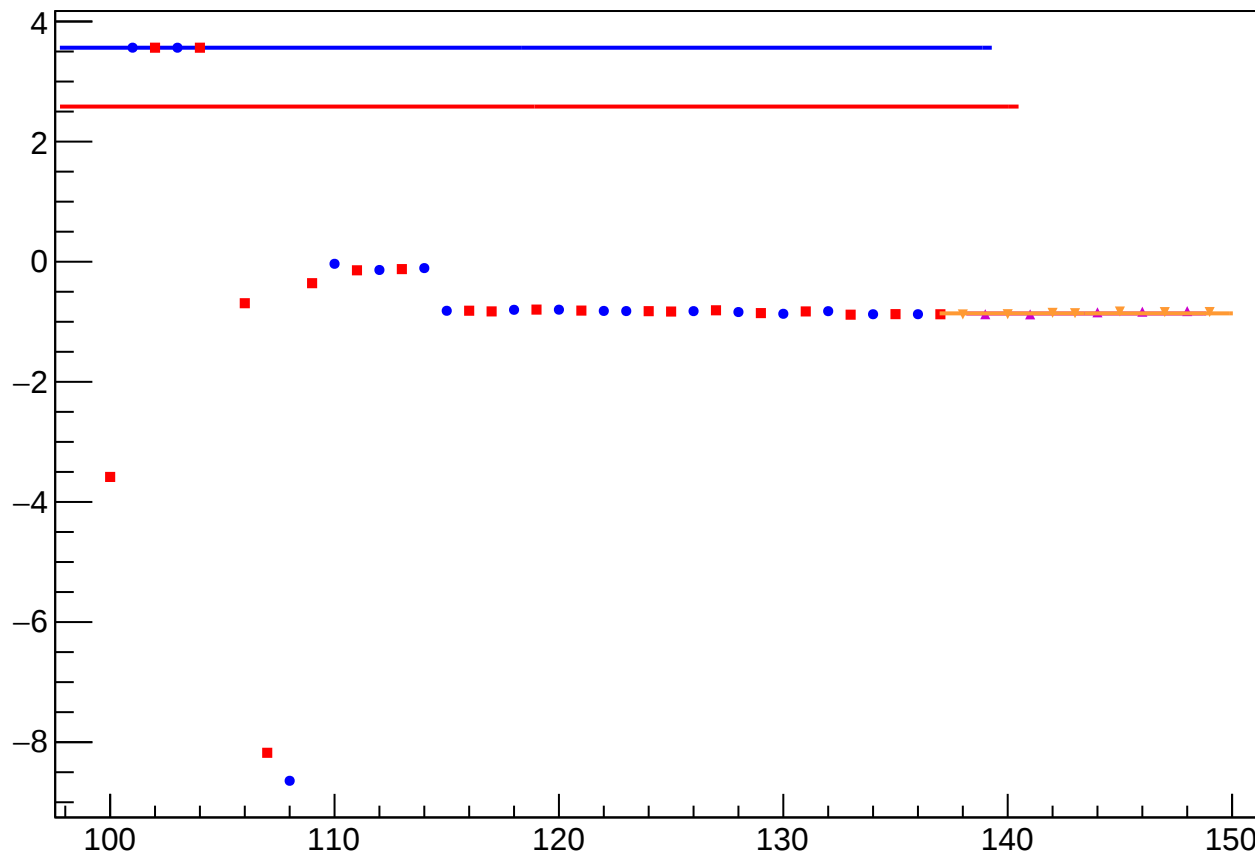
Left In: 0.030+/-0.000 χ^2/NDF : 489365.8/4

0.000+/-0.000 χ^2/NDF : 16537484.8/23

0.000+/-0.000 χ^2/NDF : 32276221.0/48

0.000+/-0.000 χ^2/NDF : 15738292.8/24

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

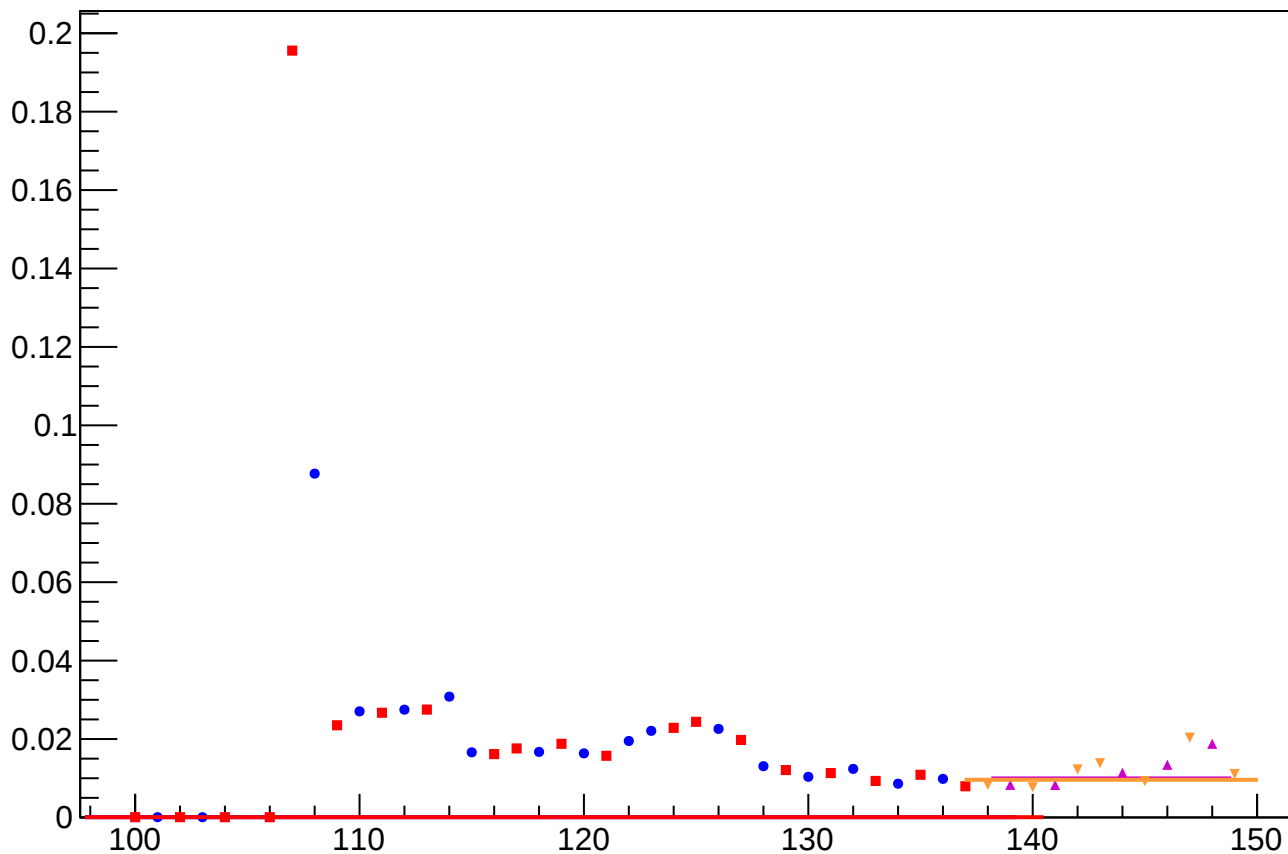
Left In: -0.862+/-0.000 χ^2/NDF : 11651530.6/4

3.563+/-0.000 χ^2/NDF : 1275706643843.0/23

3.040+/-0.000 χ^2/NDF : 13833537160401

2.583+/-0.000 χ^2/NDF : 1253877322586192.0/2

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9848258.0/16

Left Out: 0.010+/-0.000 χ^2/NDF : 637407.5/6

Right Out: 0.000+/-0.000 χ^2/NDF : 9955781.5/19

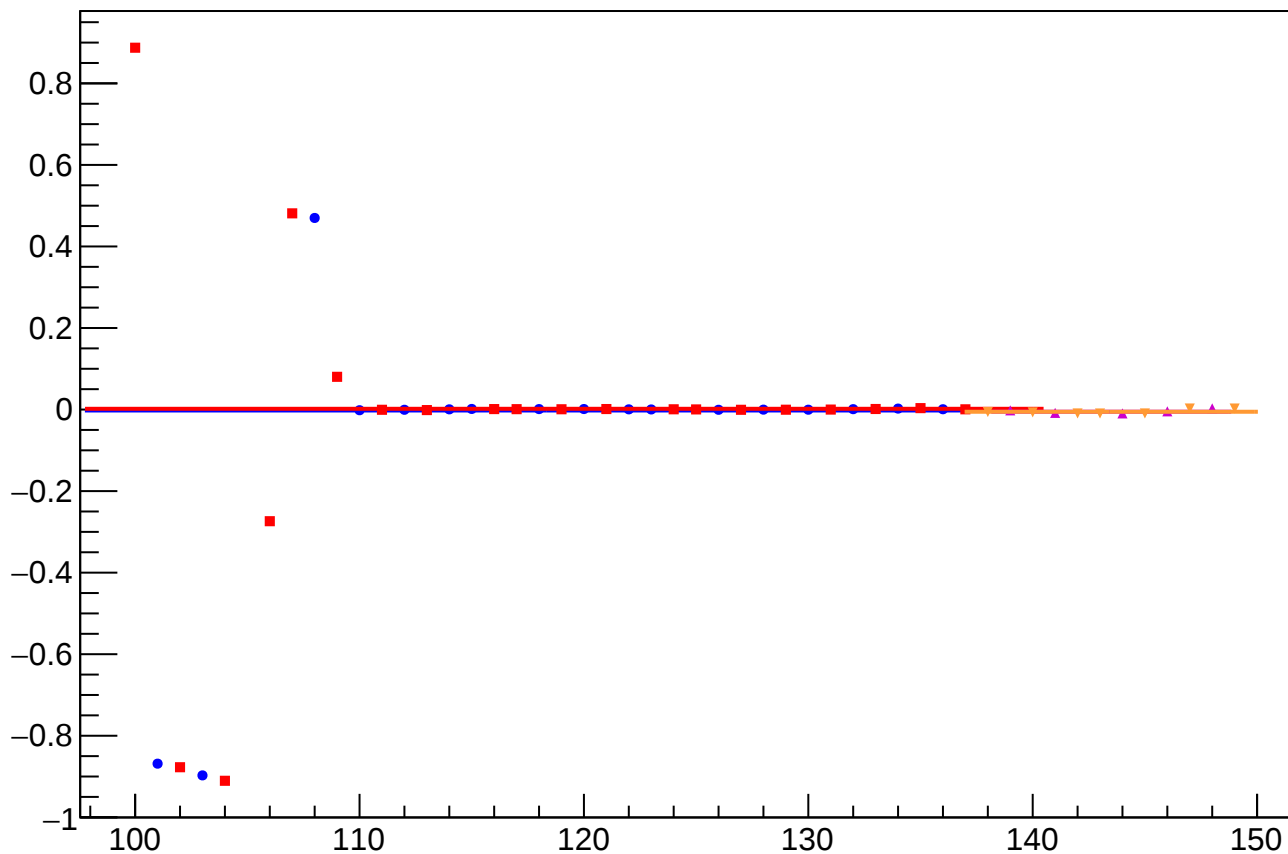
Left In: 0.010+/-0.000 χ^2/NDF : 515671.0/4

0.000+/-0.000 χ^2/NDF : 17822081.3/23

0.000+/-0.000 χ^2/NDF : 34392038.9/48

0.000+/-0.000 χ^2/NDF : 16569373.4/24

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

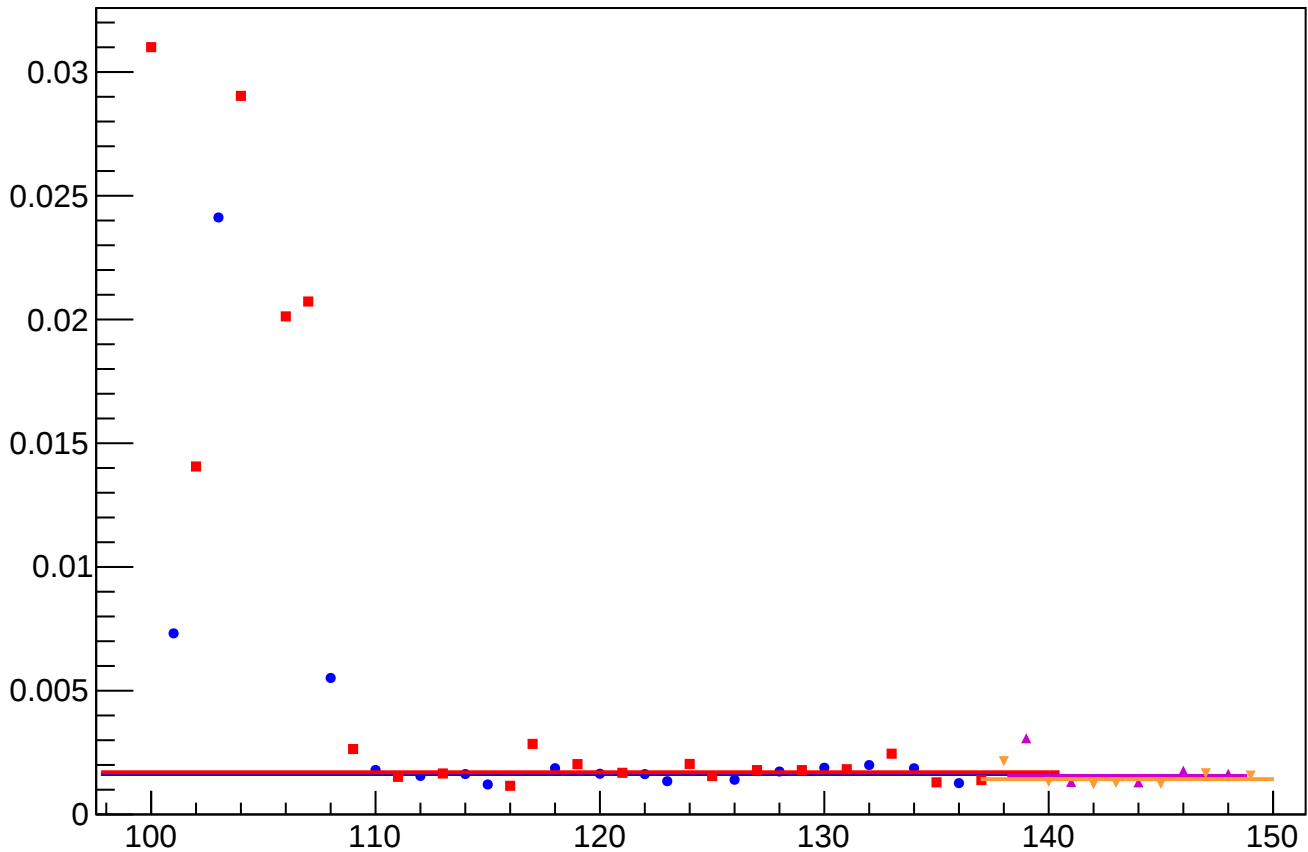
Left In: -0.005+/-0.000 χ^2/NDF : 26604178.3/4

-0.004+/-0.000 χ^2/NDF : 9851250868.6/23

-0.003+/-0.000 χ^2/NDF : 12964608959.5/4

-0.001+/-0.000 χ^2/NDF : 3103416510.7/24

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

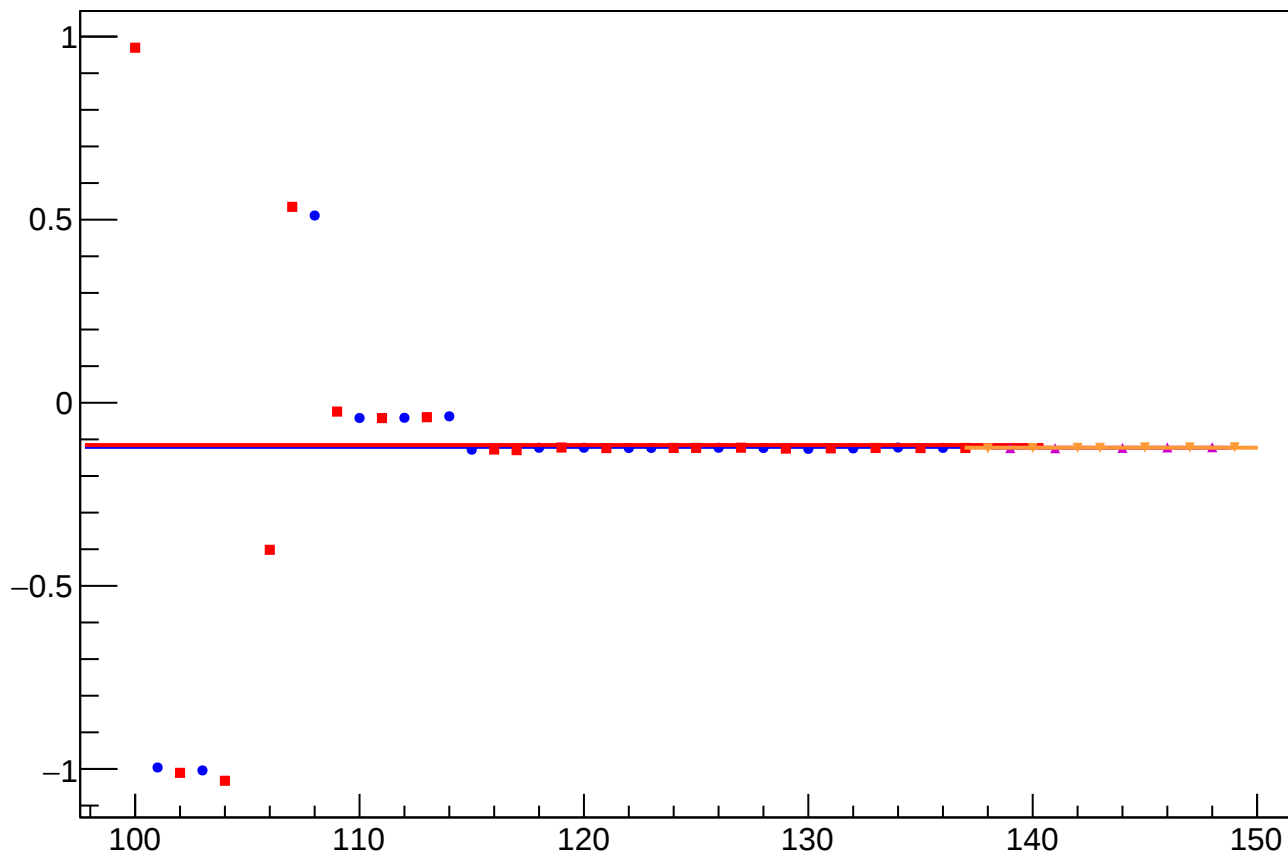
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 441703.8/4

0.002 $\pm$ 0.000 χ^2 /NDF: 2234983.4/23

0.002 $\pm$ 0.000 χ^2 /NDF: 5782072.0/48

0.002 $\pm$ 0.000 χ^2 /NDF: 3510663.9/24

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

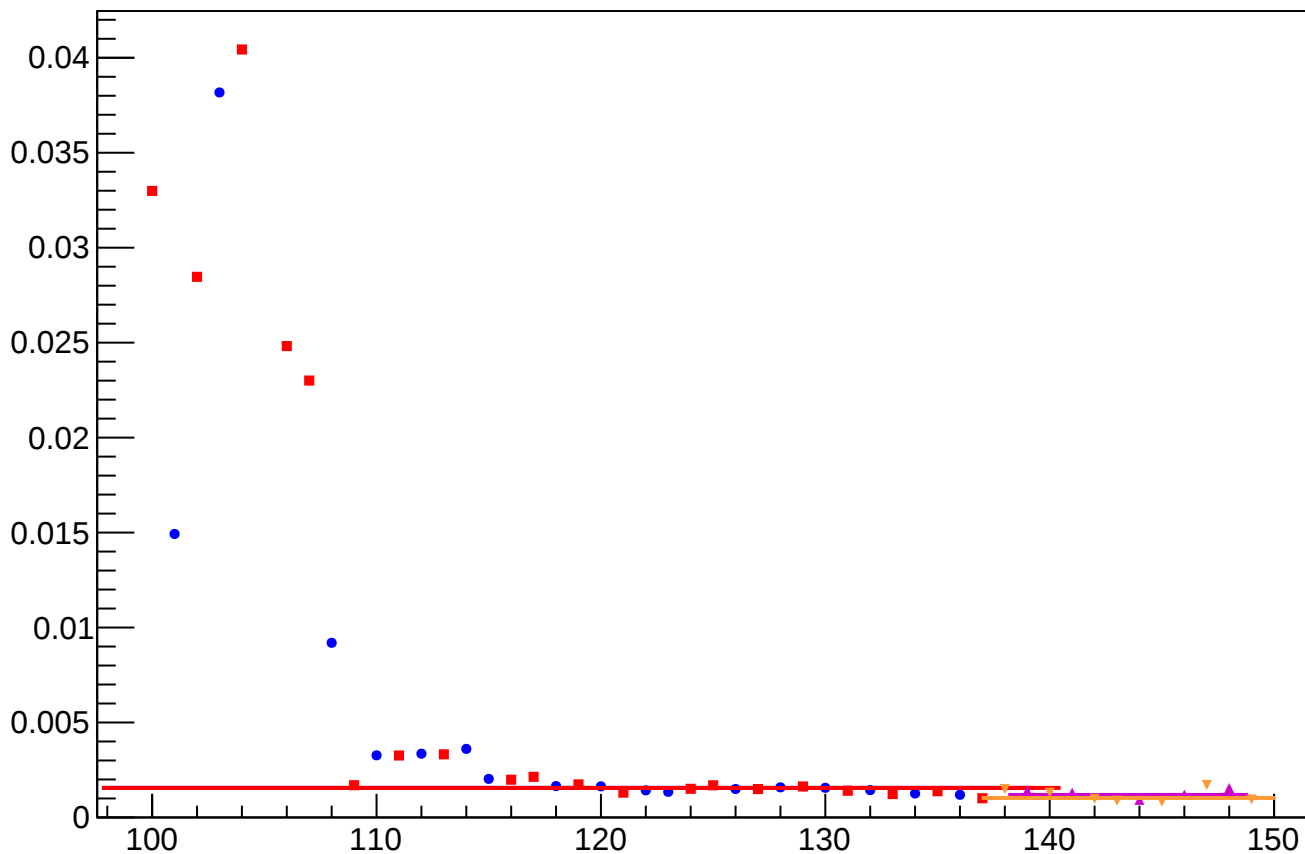
Left In: -0.123+/-0.000 χ^2/NDF : 2211934.3/4

-0.122+/-0.000 χ^2/NDF : 3941860031.4/23

-0.121+/-0.000 χ^2/NDF : 6474961642.1/40

-0.120+/-0.000 χ^2/NDF : 2520807585.1/24

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

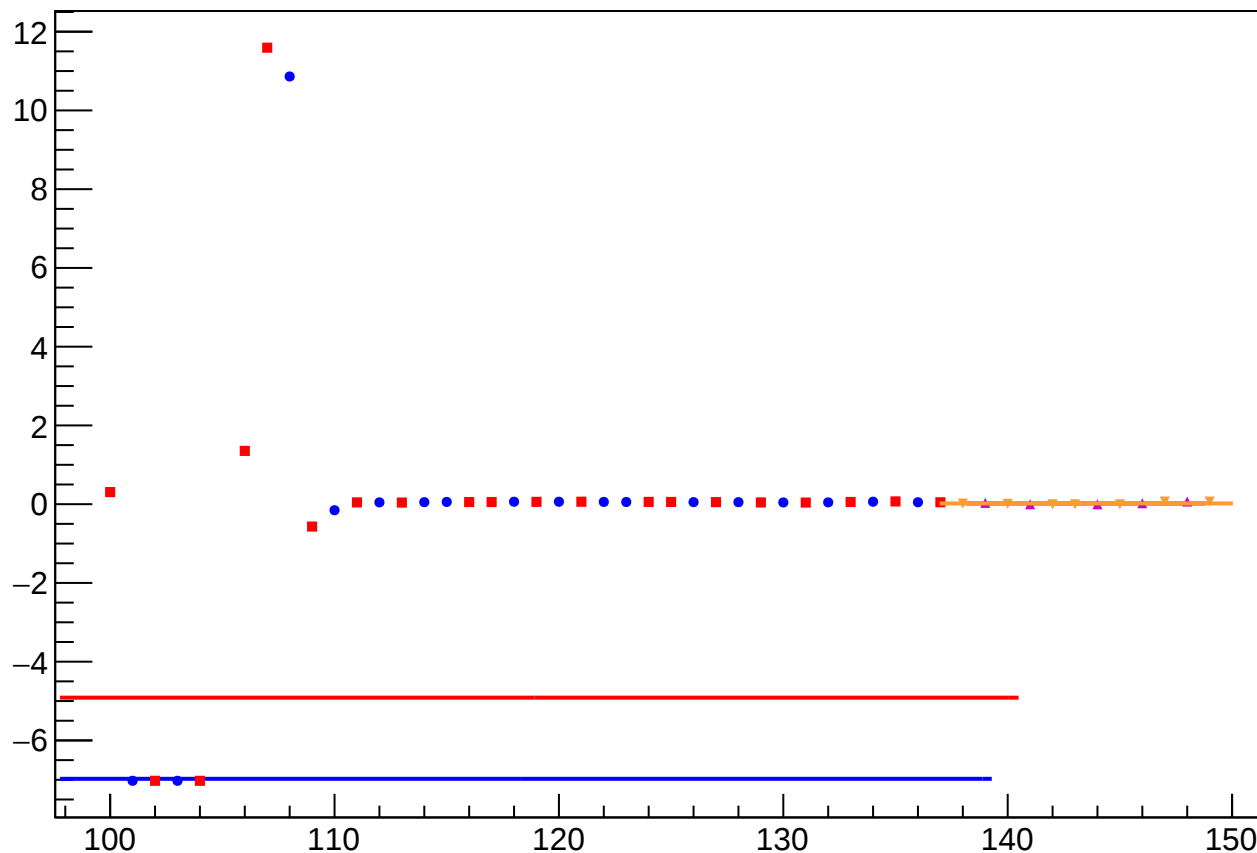
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:253842.9/4

0.001 $\pm$ 0.000 χ^2 /NDF: 4196855.1/23

0.001 $\pm$ 0.000 χ^2 /NDF: 8406943.5/48

0.001 $\pm$ 0.000 χ^2 /NDF: 4094803.4/24

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975 $\pm$ 0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.019 $\pm$ 0.000 χ^2/NDF : 47093069.6/6

Right Out: -4.914 $\pm$ 0.000 χ^2/NDF : 365366243956054.8/19

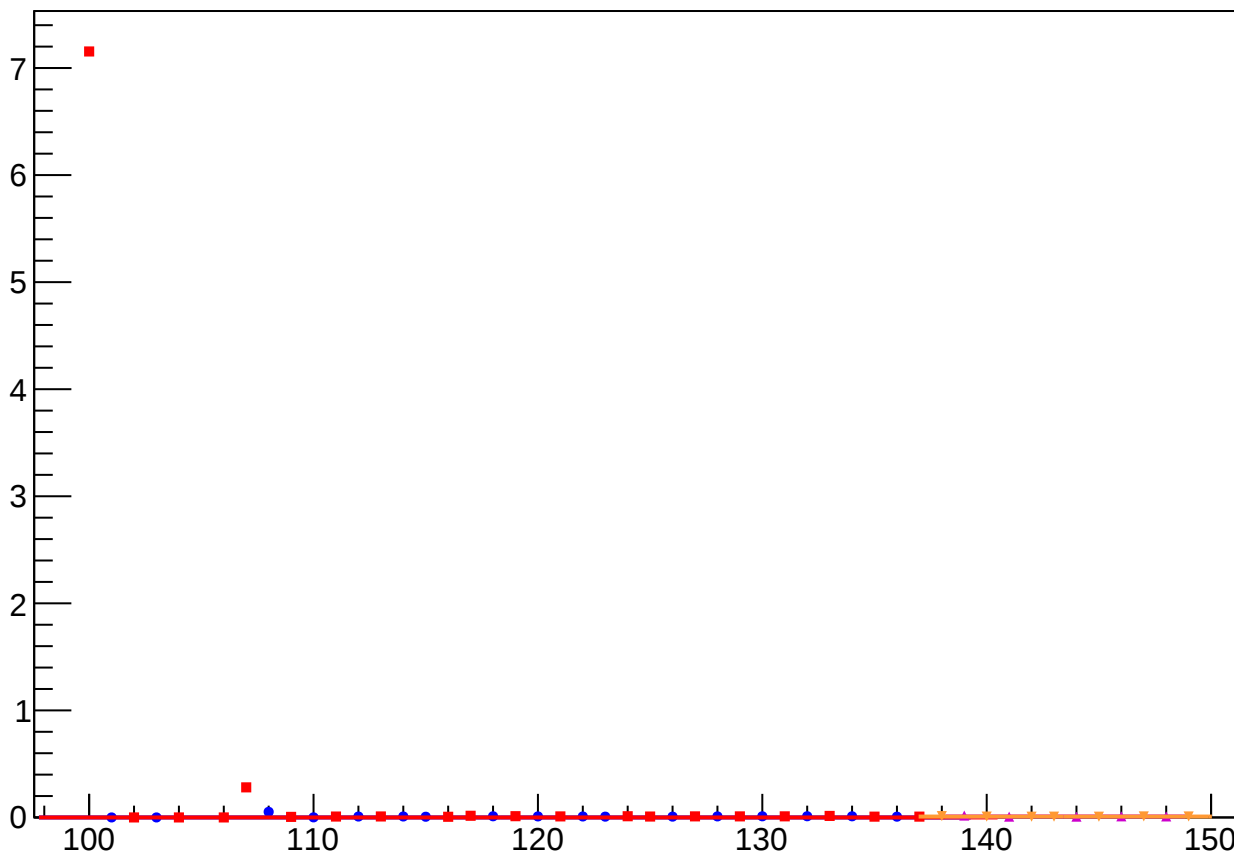
Left In: 0.018 $\pm$ 0.000 χ^2/NDF : 27891744.7/4

-6.961 $\pm$ 0.000 χ^2/NDF : 11292280414518.8/23

-5.890 $\pm$ 0.000 χ^2/NDF : 43340145400450.4/23

-4.907 $\pm$ 0.000 χ^2/NDF : 366242493410015.9/23

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

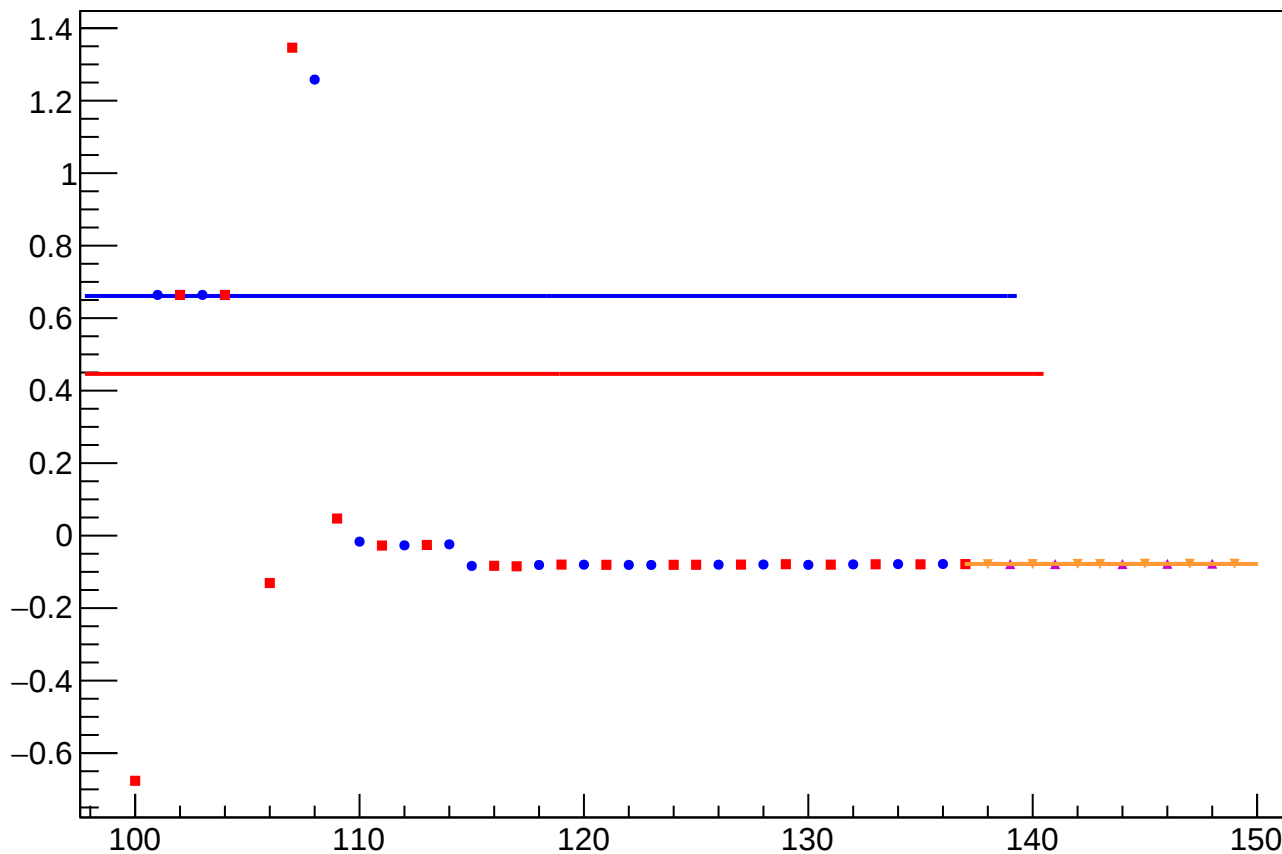
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:441465.1/4

0.000 $\pm$ 0.000 χ^2 /NDF: 15549820.4/23

0.000 $\pm$ 0.000 χ^2 /NDF: 30573731.0/48

0.000 $\pm$ 0.000 χ^2 /NDF: 15022003.8/24

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5678332616622.1/16

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 3266571.1/6

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405434749783850.4/19

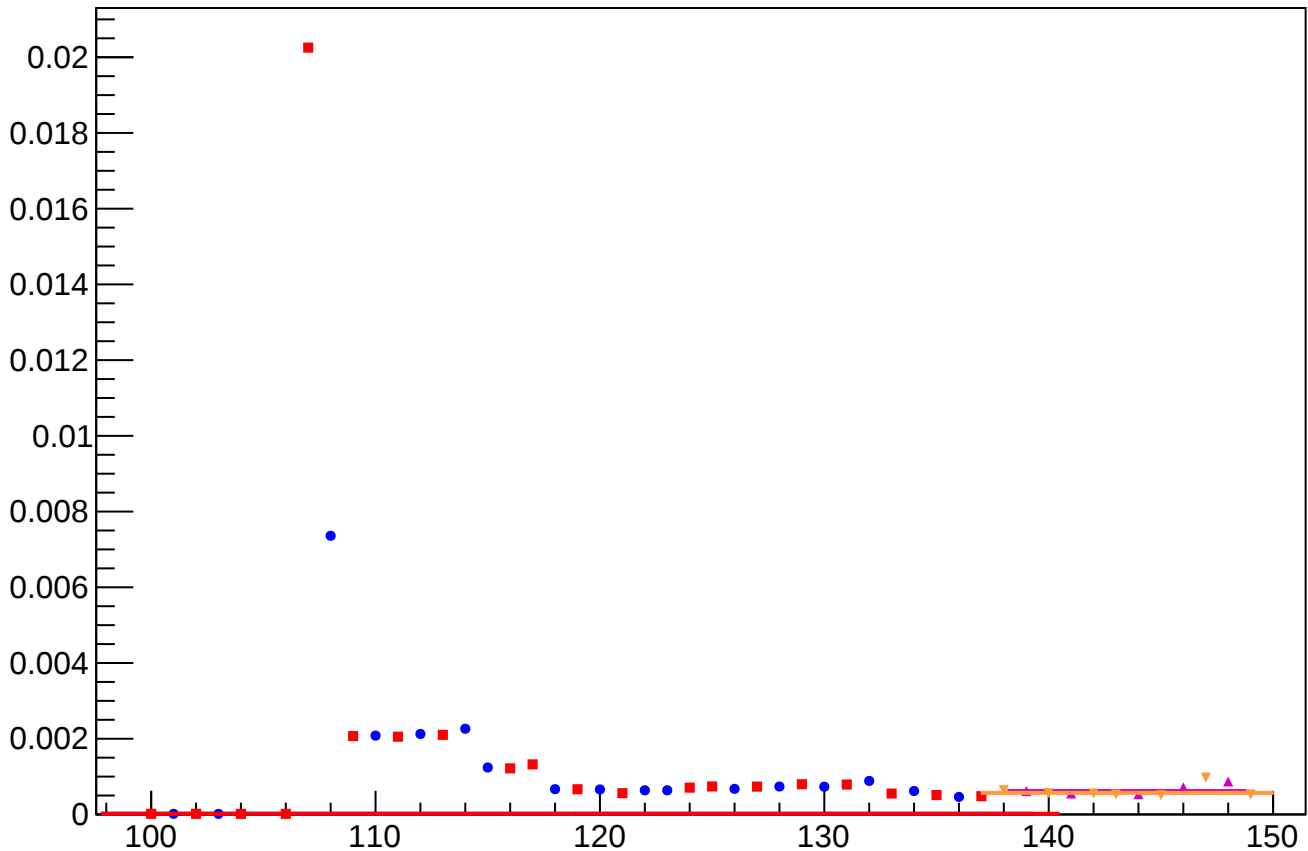
Left In: -0.078 $\pm$ 0.000 χ^2 /NDF: 1433246.1/4

0.657 $\pm$ 0.000 χ^2 /NDF: 13339862692909.7/23

0.546 $\pm$ 0.000 χ^2 /NDF: 48332015236342

0.444 $\pm$ 0.000 χ^2 /NDF: 408081621234857.1/24

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

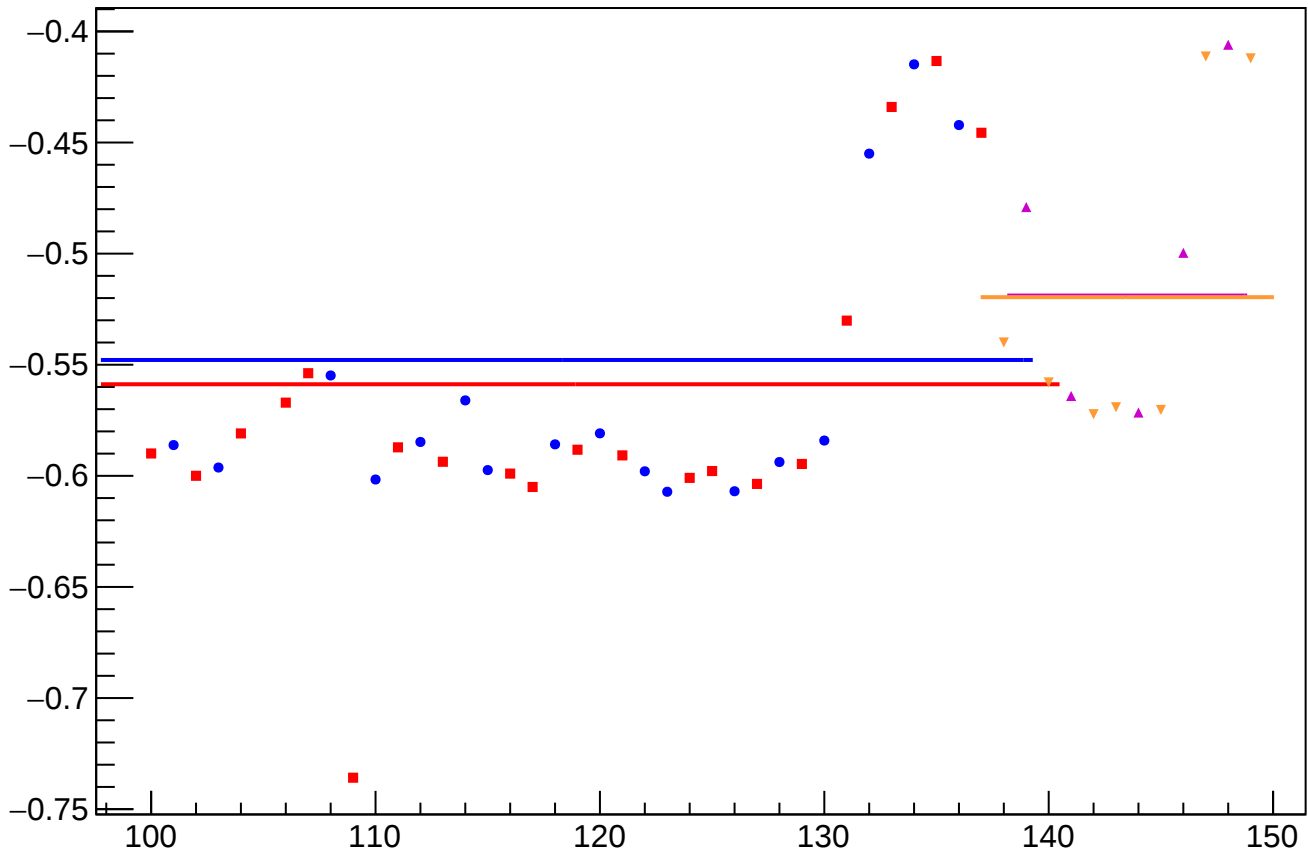
Left In: 0.001+/-0.000 χ^2/NDF : 218961.3/4

0.000+/-0.000 χ^2/NDF : 18859236.9/23

0.000+/-0.000 χ^2/NDF : 35573107.3/48

0.000+/-0.000 χ^2/NDF : 16711036.3/24

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

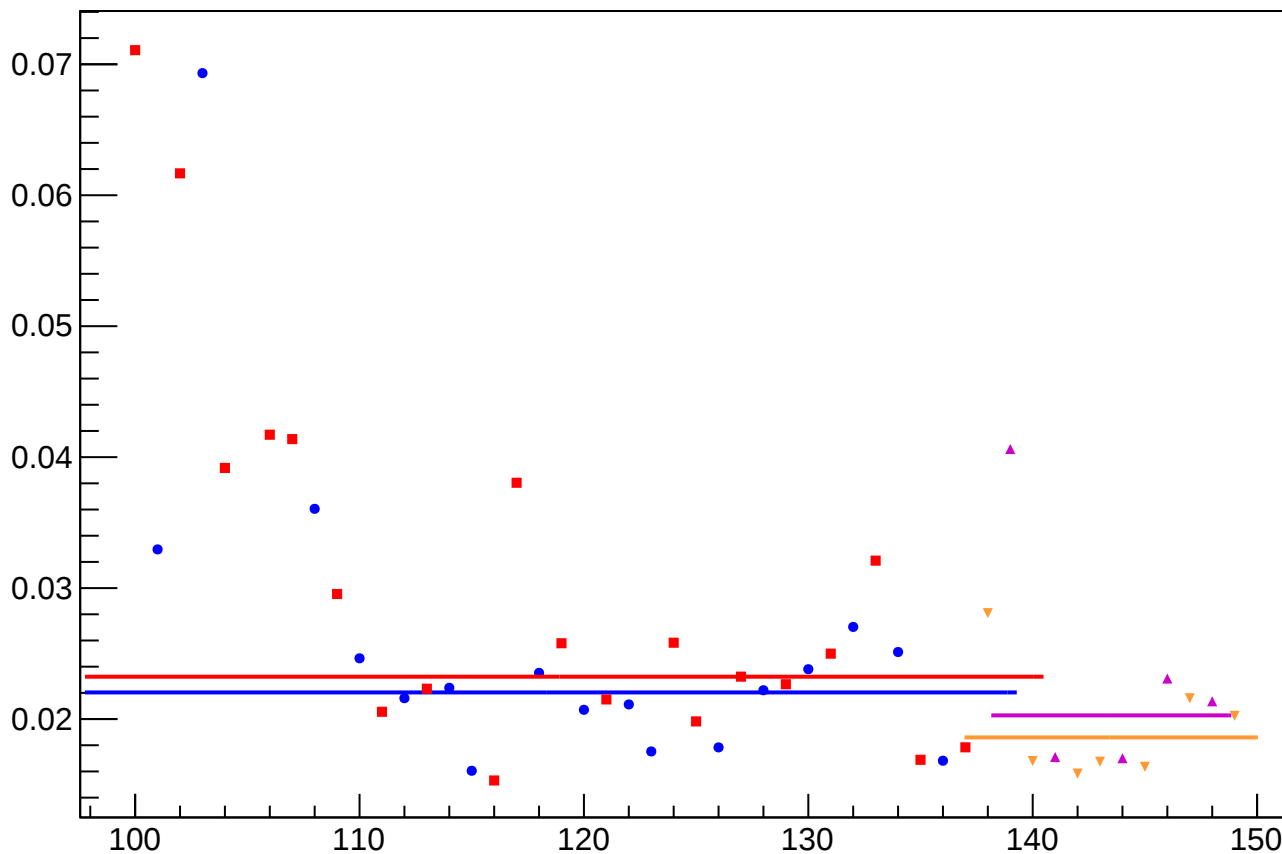
Left In: -0.519 +/- 0.000 χ^2/NDF : 29469548.7/4

-0.534 +/- 0.000 χ^2/NDF : 103583490.1/23

-0.537 +/- 0.000 χ^2/NDF : 206087487.7/48

-0.542 +/- 0.000 χ^2/NDF : 101864378.2/24

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

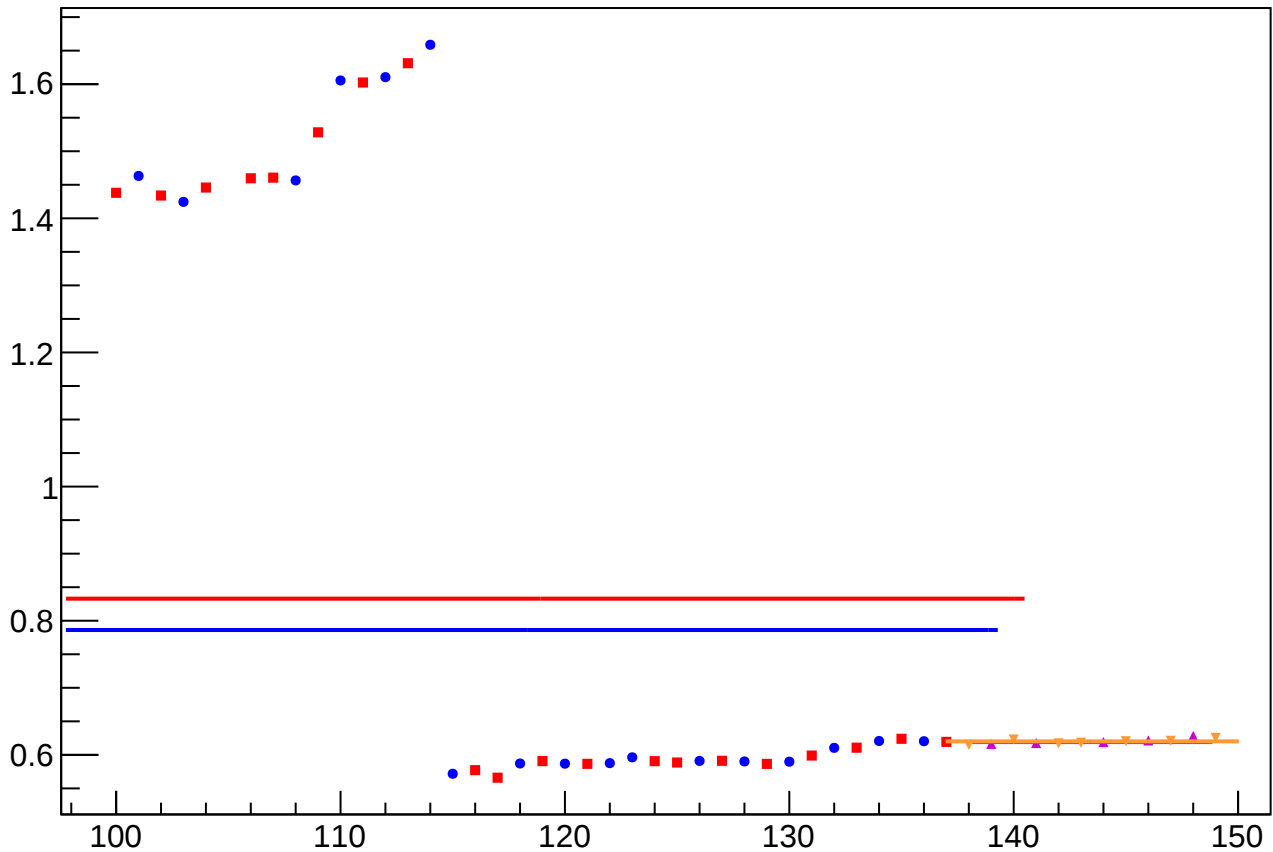
Left In: 0.020 +/- 0.000 χ^2/NDF : 447702.2/4

0.020 +/- 0.000 χ^2/NDF : 1312069.7/23

0.021 +/- 0.000 χ^2/NDF : 3054511.5/48

0.022 +/- 0.000 χ^2/NDF : 1689753.3/24

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.786 $\pm$ 0.000 χ^2 /NDF: 3590113316.1/16

Left Out: 0.620 $\pm$ 0.000 χ^2 /NDF:356617.5/6

Right Out: 0.833 $\pm$ 0.000 χ^2 /NDF: 4160348649.7/19

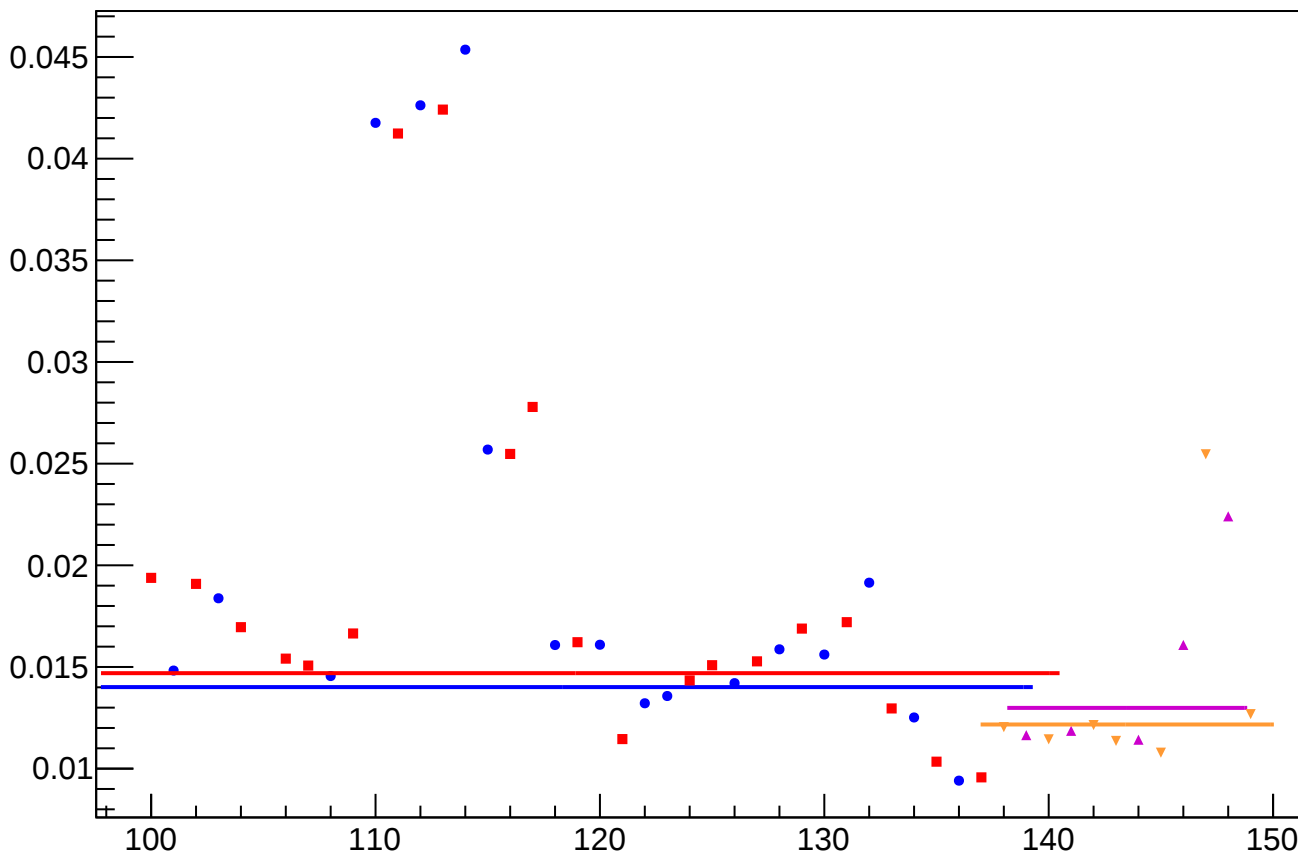
Left In: 0.619 $\pm$ 0.000 χ^2 /NDF:193020.0/4

0.701 $\pm$ 0.000 χ^2 /NDF: 4001856094.0/23

0.718 $\pm$ 0.000 χ^2 /NDF: 8759632248.0/48

0.740 $\pm$ 0.000 χ^2 /NDF: 4715069500.8/24

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

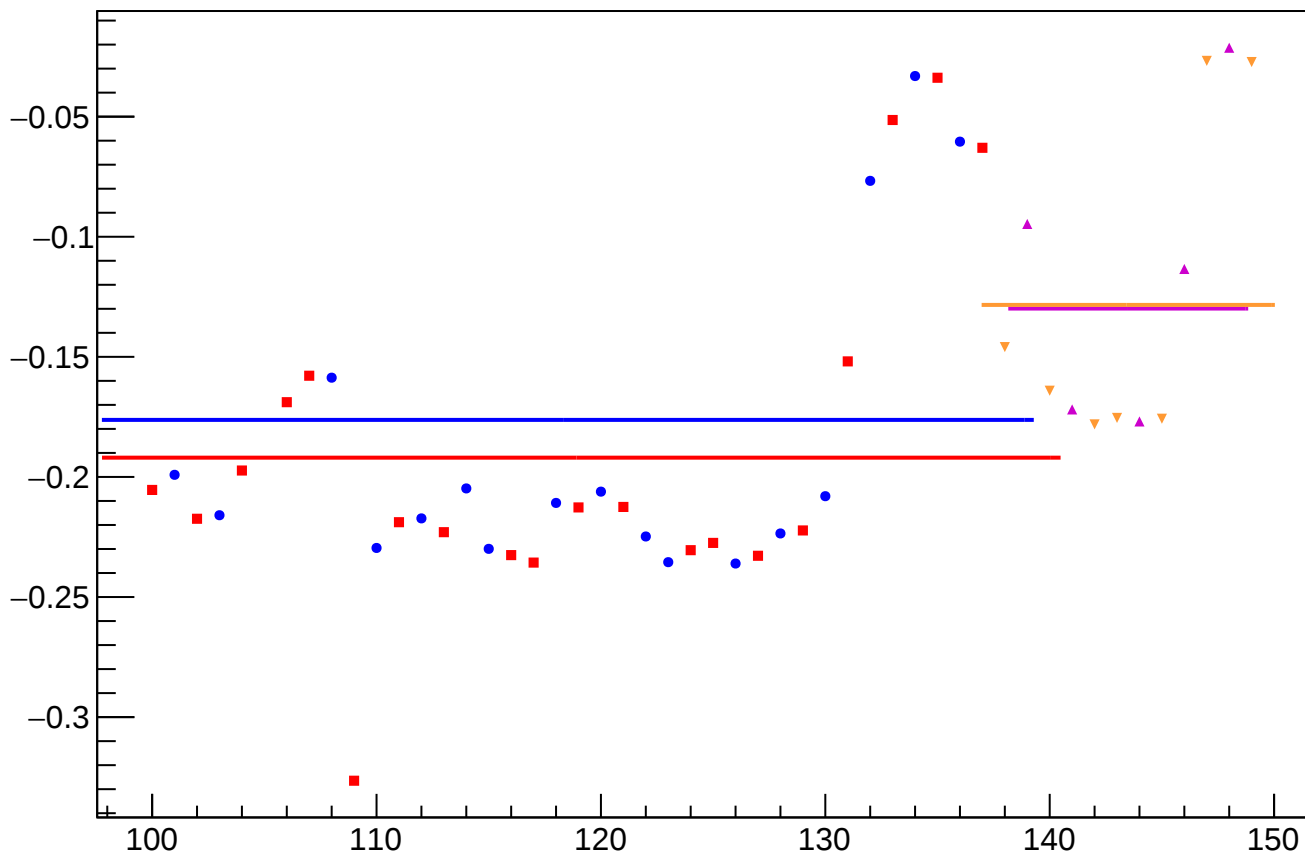
Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 385696.8/4

0.013 $\pm$ 0.000 χ^2/NDF : 1950340.8/23

0.013 $\pm$ 0.000 χ^2/NDF : 3730429.2/48

0.014 $\pm$ 0.000 χ^2/NDF : 1736901.1/24

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

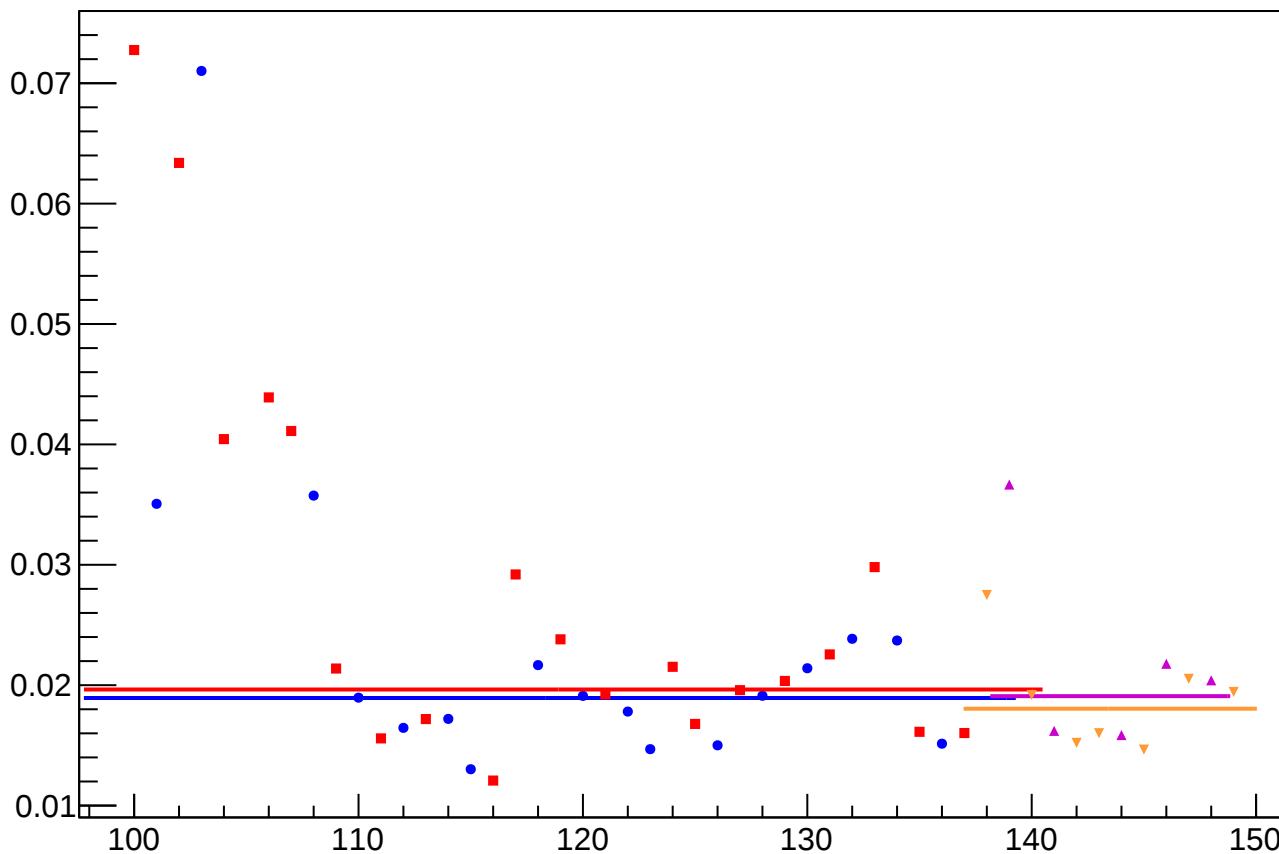
Left In: -0.130+/-0.000 χ^2/NDF : 29187157.9/4

-0.155+/-0.000 χ^2/NDF : 133848874.1/23

-0.161+/-0.000 χ^2/NDF : 268852425.6/48

-0.169+/-0.000 χ^2/NDF : 132791806.4/24

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019 $\pm$ 0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.018 $\pm$ 0.000 χ^2/NDF : 268693.3/6

Right Out: 0.020 $\pm$ 0.000 χ^2/NDF : 1466285.9/19

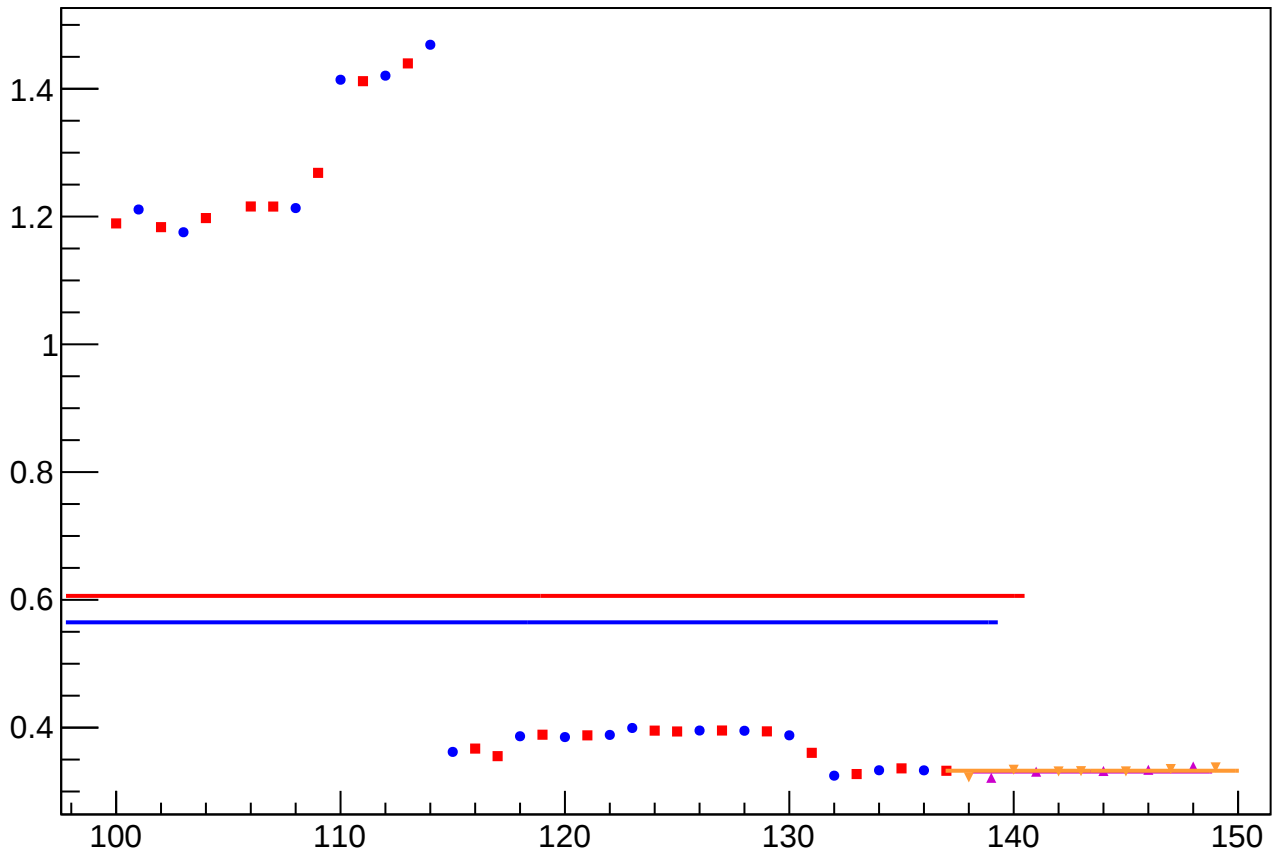
Left In: 0.019 $\pm$ 0.000 χ^2/NDF : 425277.1/4

0.019 $\pm$ 0.000 χ^2/NDF : 1484427.2/23

0.019 $\pm$ 0.000 χ^2/NDF : 3397929.5/48

0.019 $\pm$ 0.000 χ^2/NDF : 1894690.4/24

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

0.451+/-0.000 χ^2/NDF : 6043984982.5/23

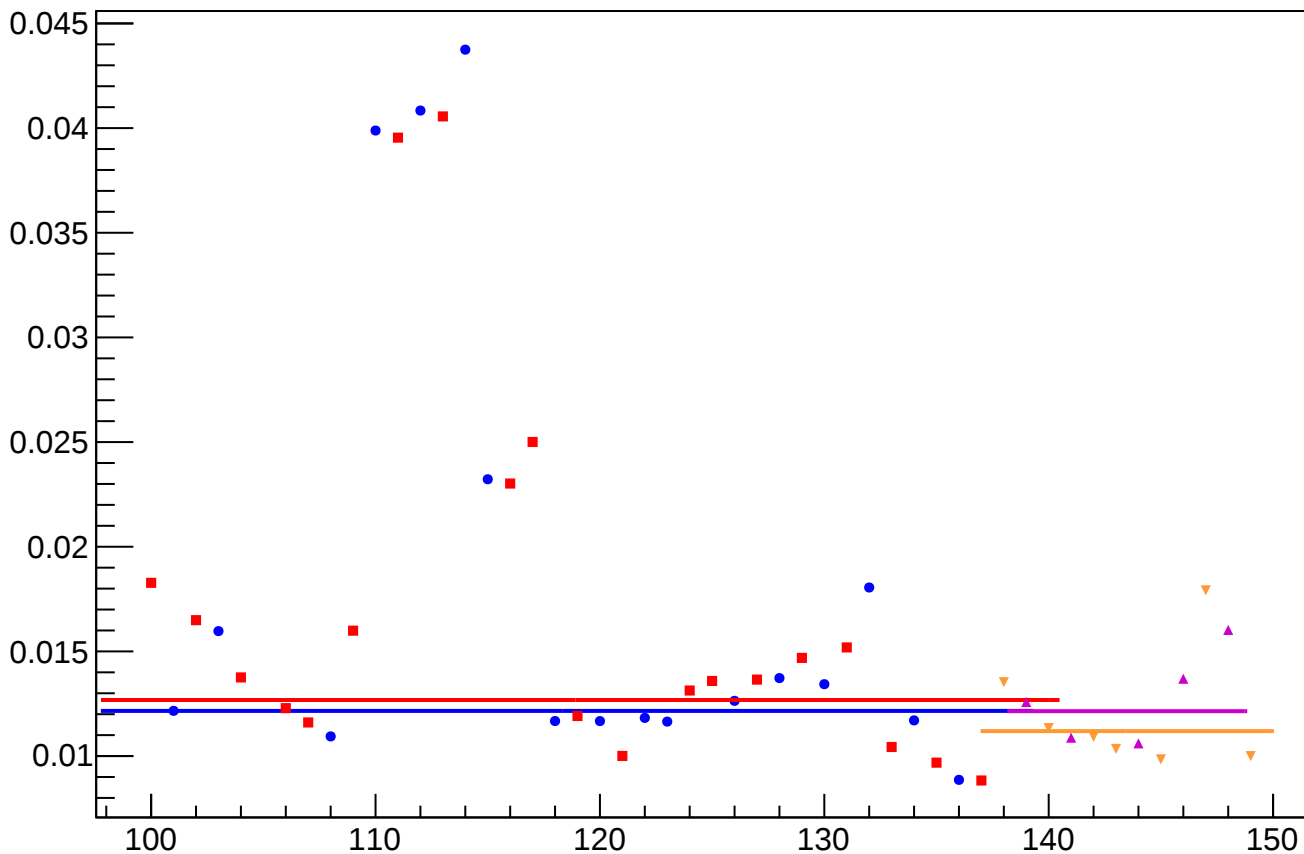
0.471+/-0.000 χ^2/NDF : 12756752723.0/4

Right Out: 0.606+/-0.000 χ^2/NDF : 5517630064.2/19

0.495+/-0.000 χ^2/NDF : 6648575123.0/24

Left In: 0.331+/-0.000 χ^2/NDF : 621881.6/4

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1309888.8/16

Left Out: 0.011+/-0.000 χ^2/NDF : 312625.1/6

Right Out: 0.013+/-0.000 χ^2/NDF : 1289415.7/19

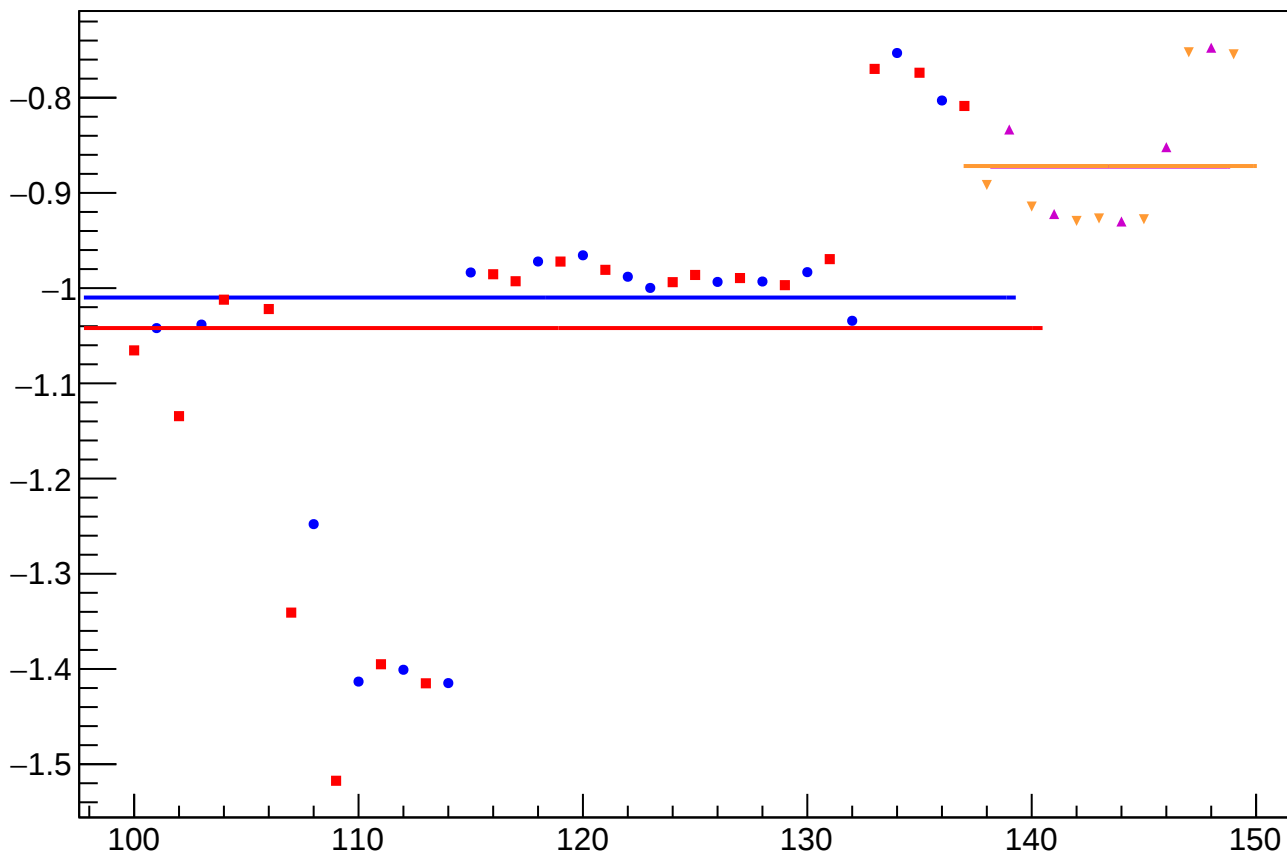
Left In: 0.012+/-0.000 χ^2/NDF : 166530.0/4

0.012+/-0.000 χ^2/NDF : 1657457.2/23

0.012+/-0.000 χ^2/NDF : 3162914.5/48

0.012+/-0.000 χ^2/NDF : 1464478.7/24

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

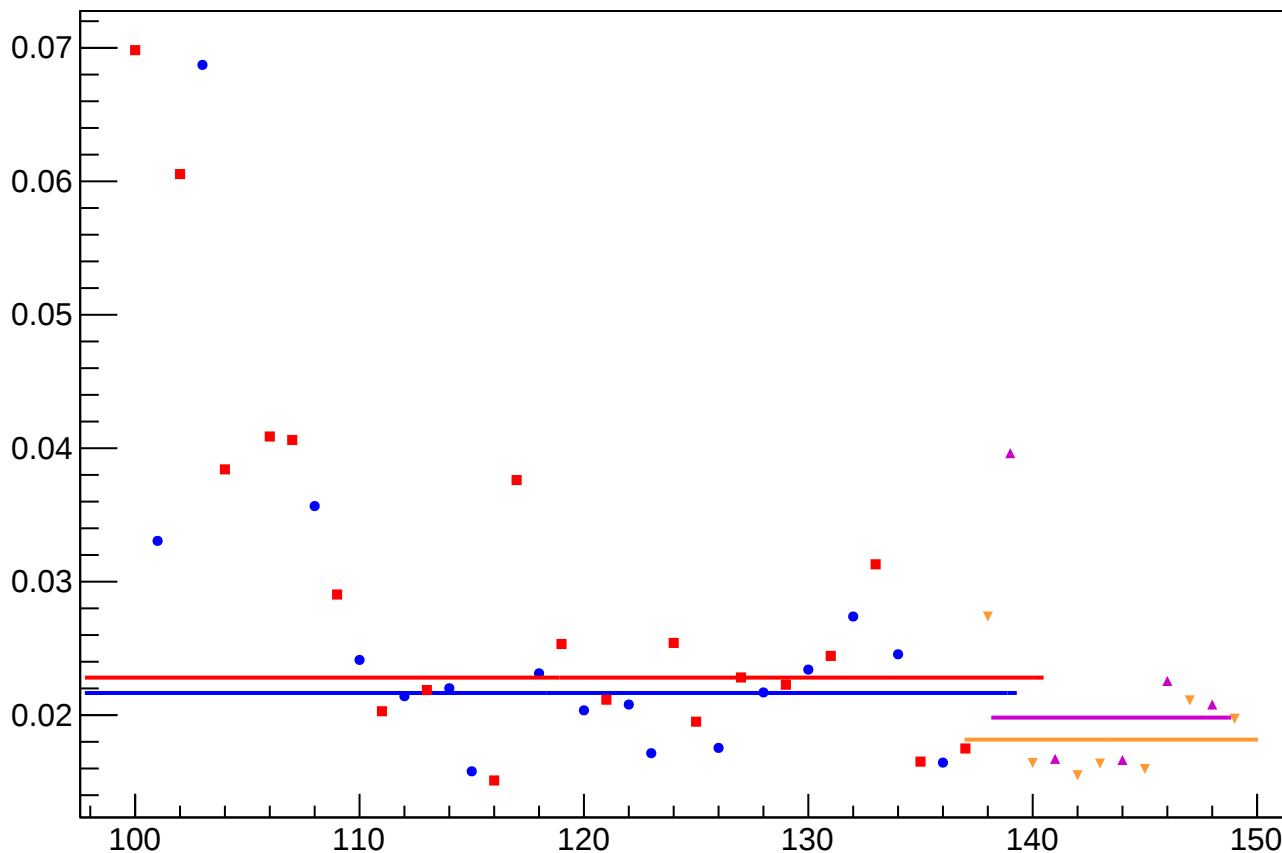
Left In: -0.872 $\pm$ 0.000 χ^2 /NDF: 37514566.1/4

-0.941 $\pm$ 0.000 χ^2 /NDF: 556035438.0/23

-0.954 $\pm$ 0.000 χ^2 /NDF: 1257546870.4/4

-0.970 $\pm$ 0.000 χ^2 /NDF: 692901471.8/24

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

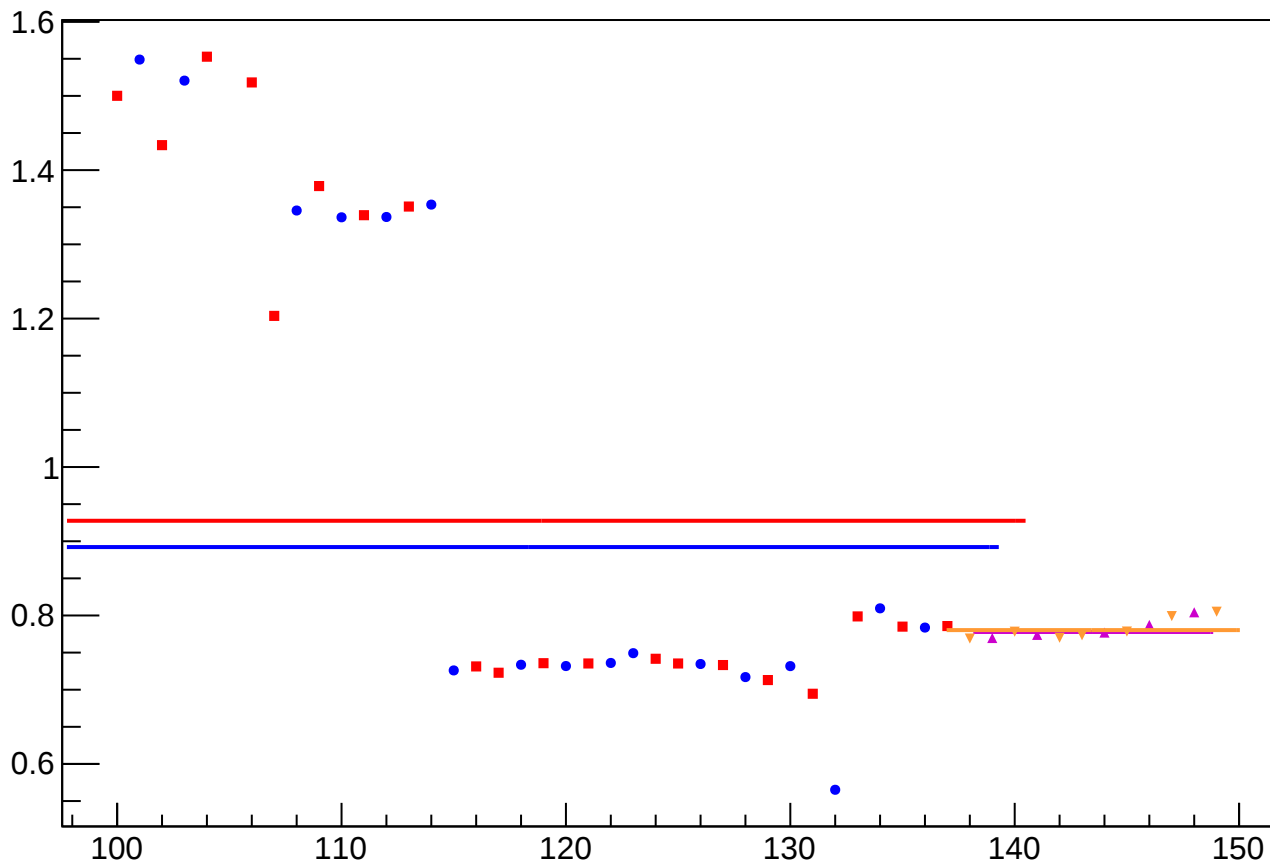
Left In: 0.020+/-0.000 χ^2/NDF : 445280.1/4

0.020+/-0.000 χ^2/NDF : 1344500.1/23

0.021+/-0.000 χ^2/NDF : 3085816.4/48

0.022+/-0.000 χ^2/NDF : 1688645.4/24

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.892+/-0.000 χ^2/NDF : 2413732173.6/16

Left Out: 0.780+/-0.000 χ^2/NDF : 4623947.6/6

Right Out: 0.928+/-0.000 χ^2/NDF : 2439574936.7/19

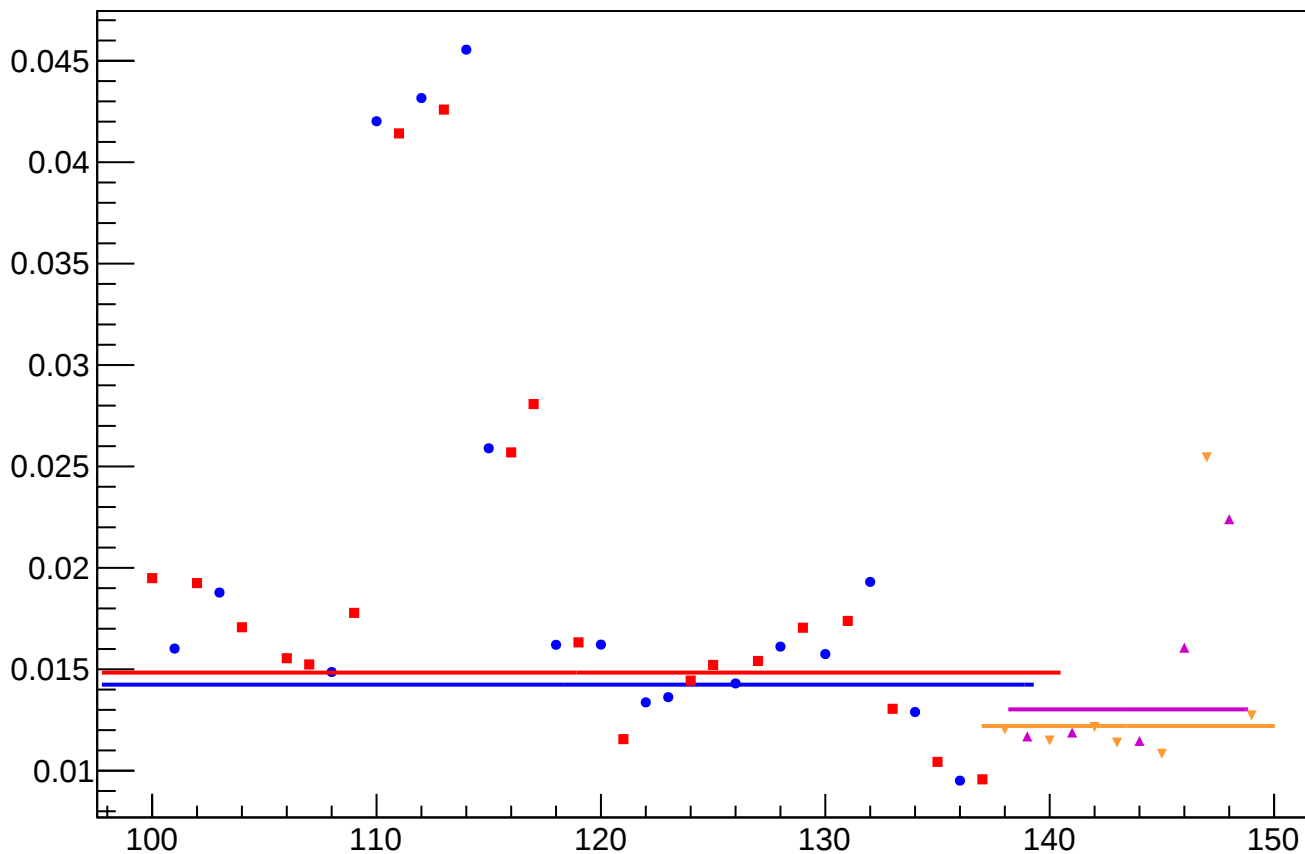
Left In: 0.778+/-0.000 χ^2/NDF : 1732741.9/4

0.834+/-0.000 χ^2/NDF : 2600991387.2/23

0.846+/-0.000 χ^2/NDF : 5332520757.9/48

0.862+/-0.000 χ^2/NDF : 2710013040.3/24

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

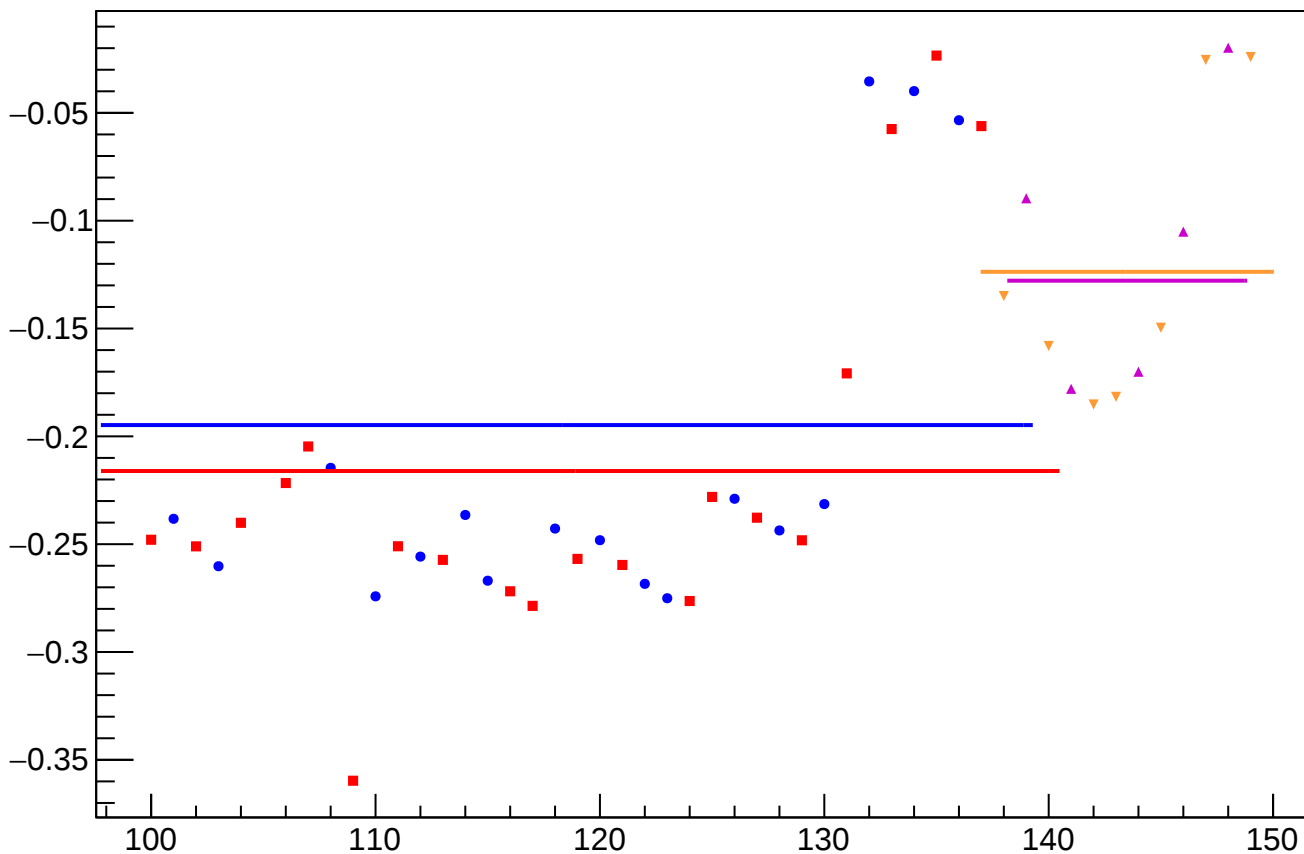
Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 381021.7/4

0.013 $\pm$ 0.000 χ^2/NDF : 1978143.7/23

0.014 $\pm$ 0.000 χ^2/NDF : 3769192.0/48

0.014 $\pm$ 0.000 χ^2/NDF : 1750985.3/24

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

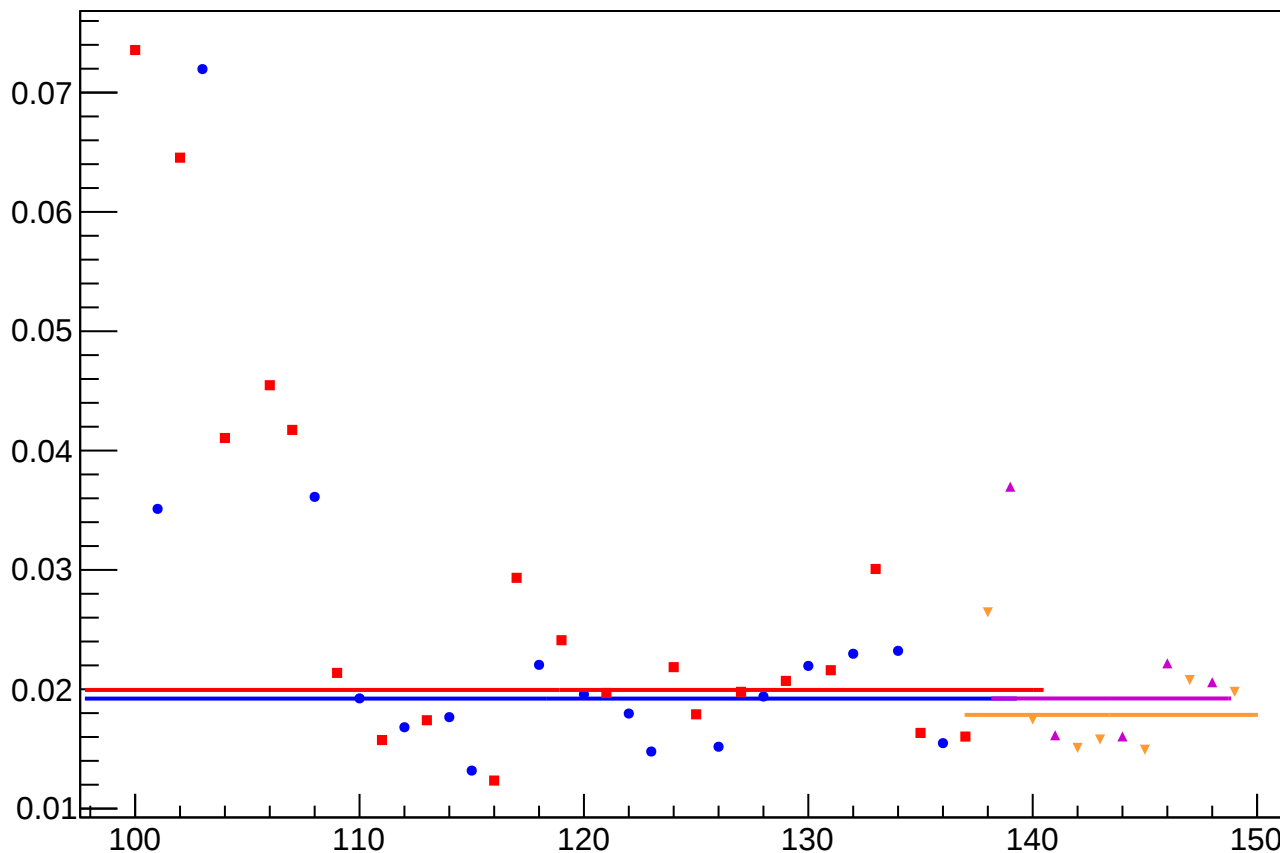
Left In: -0.128+/-0.000 χ^2/NDF : 29595207.8/4

-0.162+/-0.000 χ^2/NDF : 186849763.8/23

-0.172+/-0.000 χ^2/NDF : 372246717.0/48

-0.182+/-0.000 χ^2/NDF : 180722320.7/24

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

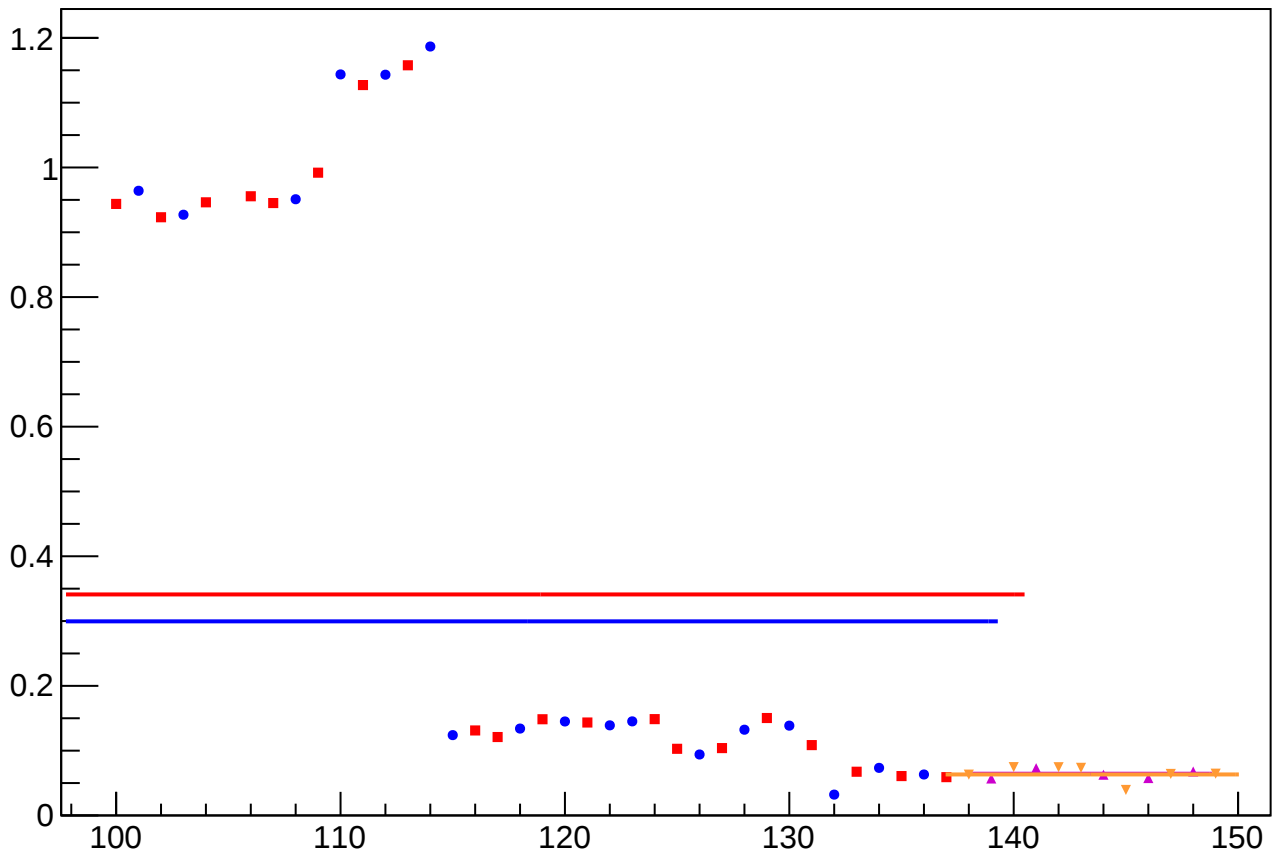
Left In: 0.019+/-0.000 χ^2/NDF : 431809.2/4

0.019+/-0.000 χ^2/NDF : 1443430.5/23

0.019+/-0.000 χ^2/NDF : 3362257.6/48

0.020+/-0.000 χ^2/NDF : 1892147.1/24

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

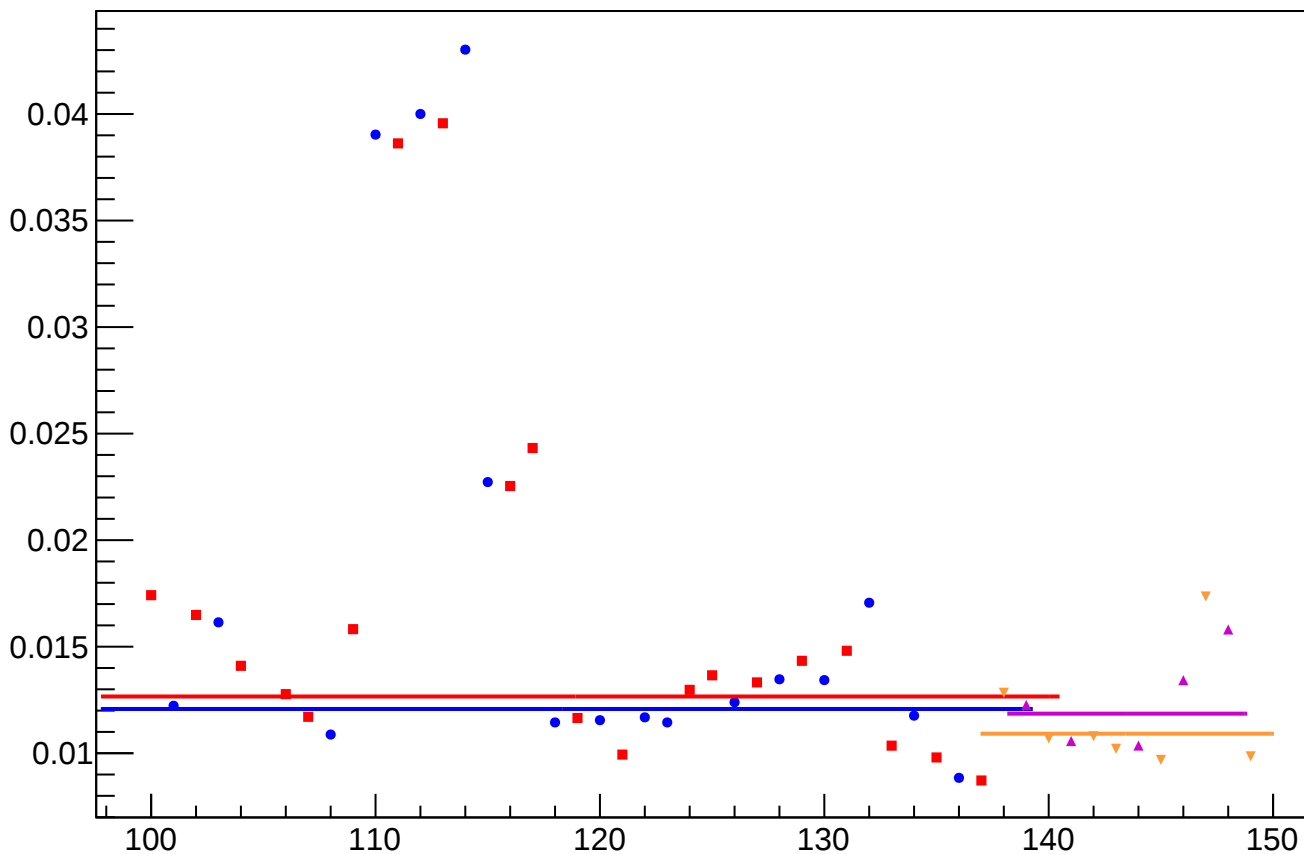
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF: 997121.5/4

0.182 $\pm$ 0.000 χ^2 /NDF: 6253508052.6/23

0.202 $\pm$ 0.000 χ^2 /NDF: 12953985623.3/4

0.226 $\pm$ 0.000 χ^2 /NDF: 6632827433.9/24

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

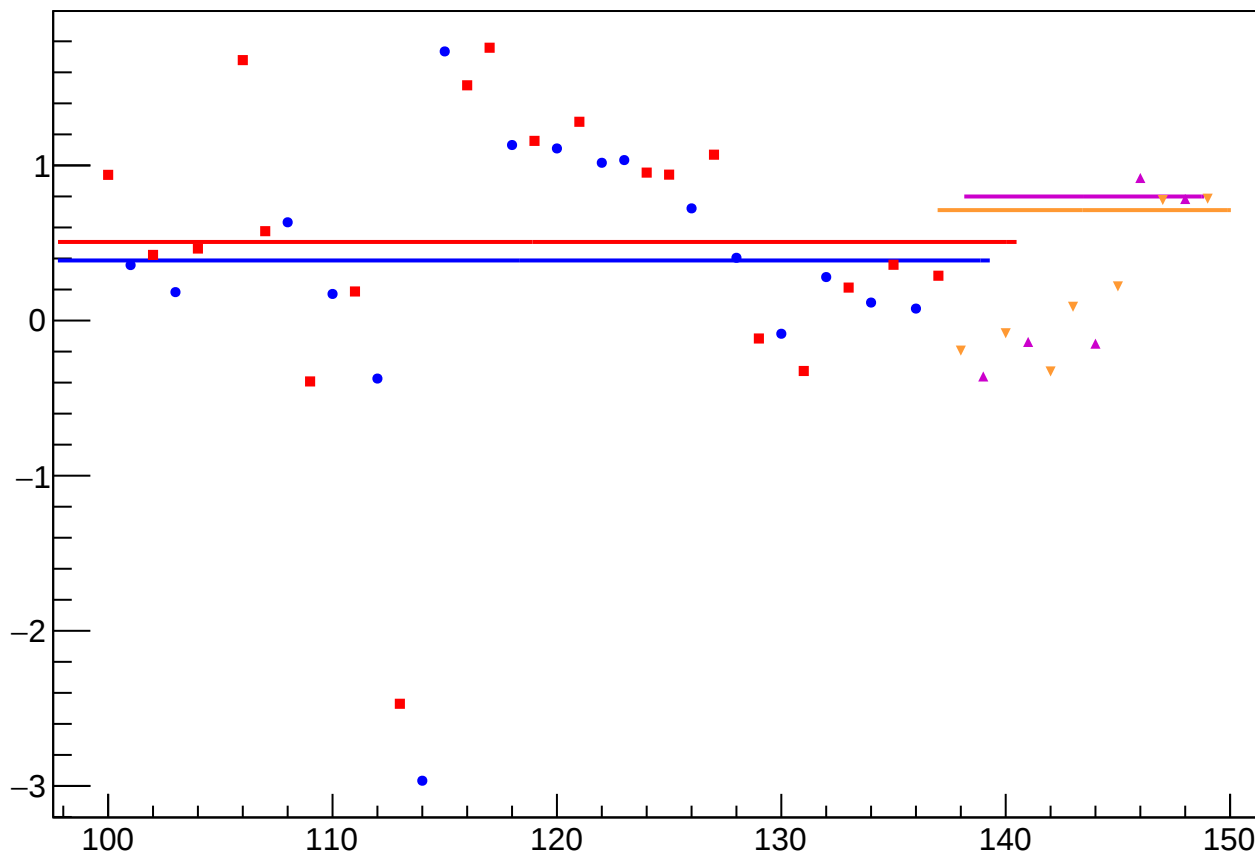
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:175568.3/4

0.011 $\pm$ 0.000 χ^2 /NDF: 1620808.9/23

0.012 $\pm$ 0.000 χ^2 /NDF: 3119656.6/48

0.012 $\pm$ 0.000 χ^2 /NDF: 1450927.0/24

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

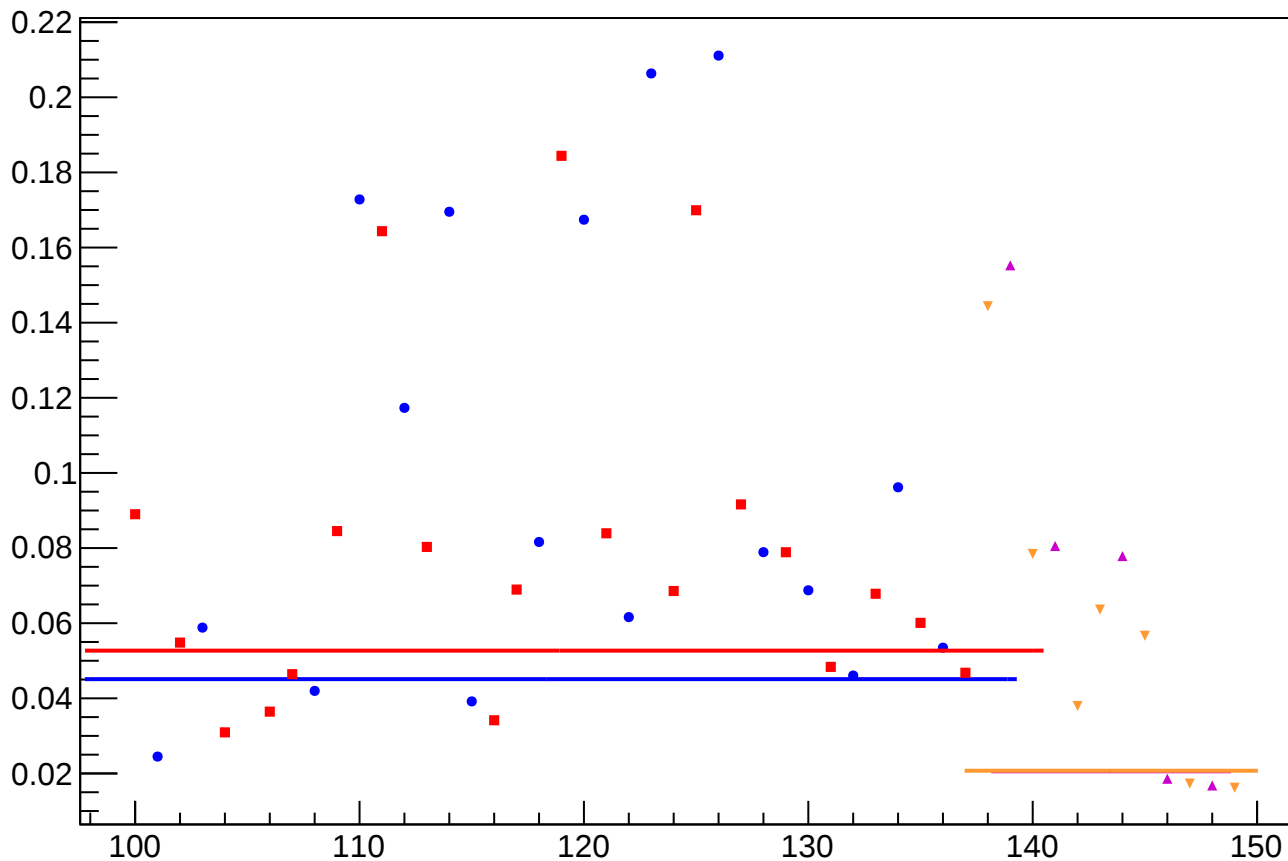
Left In: 0.800 $\pm$ 0.000 χ^2/NDF : 203512853.3/4

0.634 $\pm$ 0.000 χ^2/NDF : 690342468.8/23

0.675 $\pm$ 0.000 χ^2/NDF : 2013126849.1/48

0.726 $\pm$ 0.000 χ^2/NDF : 1295140748.1/24

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

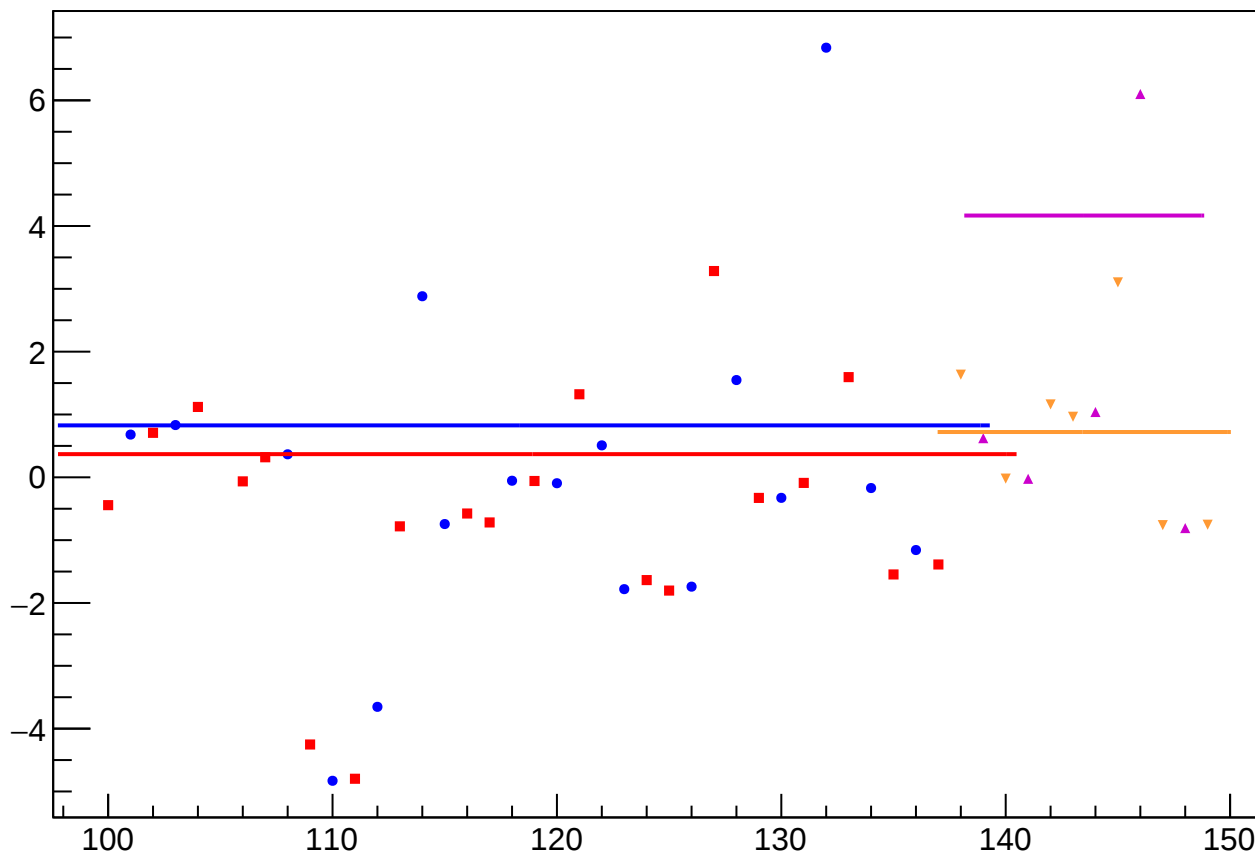
Left In: 0.021+/-0.000 χ^2/NDF : 2083243.6/4

0.027+/-0.000 χ^2/NDF : 6895364.7/23

0.028+/-0.000 χ^2/NDF : 13515479.3/48

0.029+/-0.000 χ^2/NDF : 6591559.8/24

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

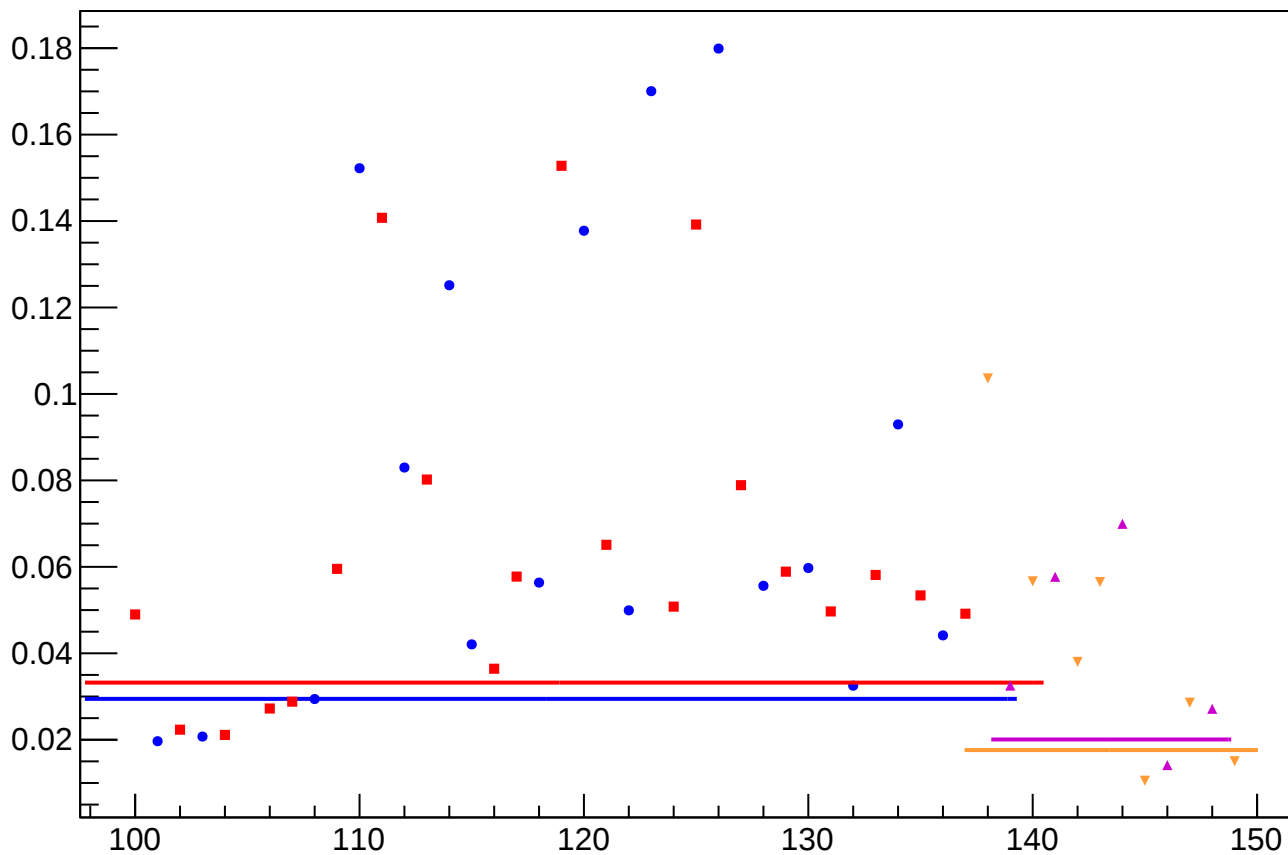
Left In: 4.166 $\pm$ 0.000 χ^2/NDF : 44181398674.1/4

0.757 $\pm$ 0.000 χ^2/NDF : 36352148951.4/23

1.527 $\pm$ 0.000 χ^2/NDF : 131360927563.6/1

2.585 $\pm$ 0.000 χ^2/NDF : 78703996742.1/24

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

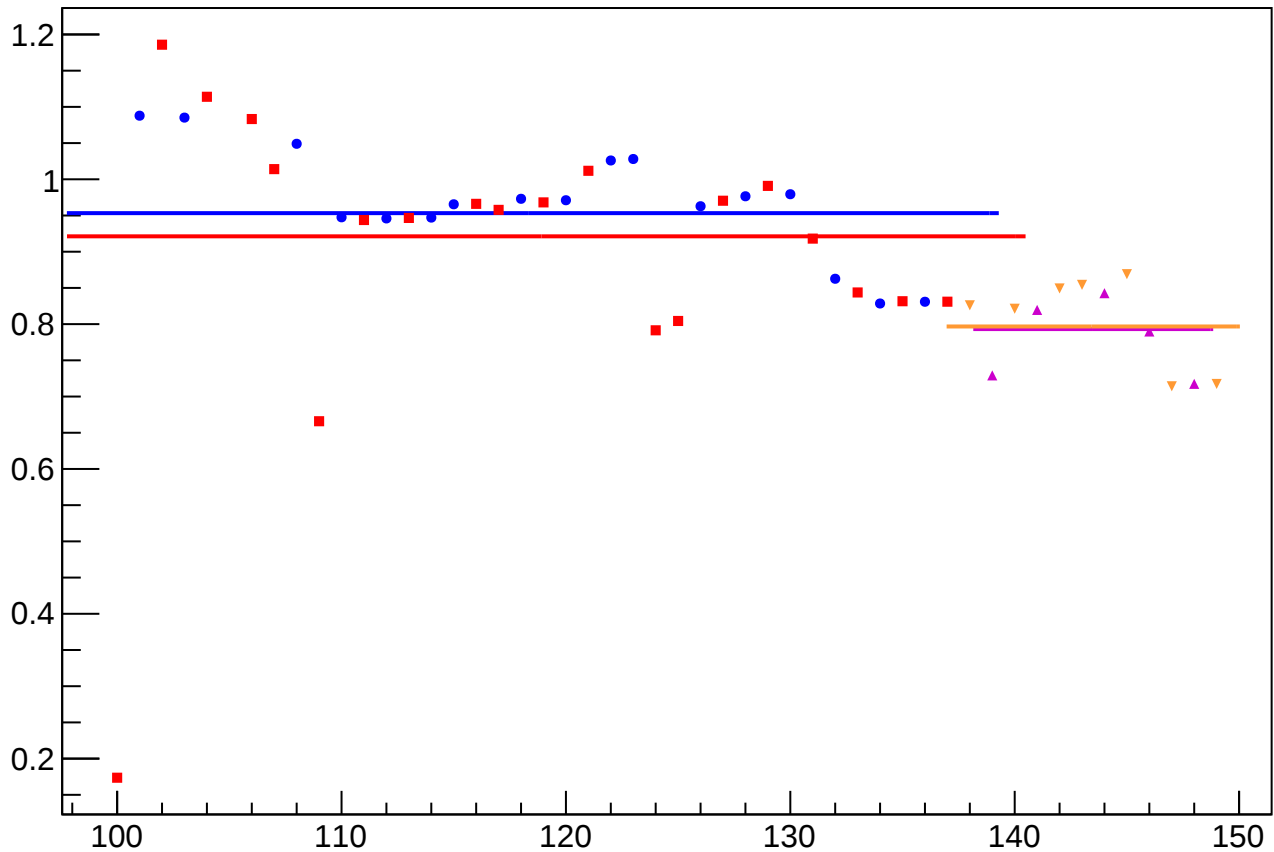
Left In: 0.020 $\pm$ 0.000 χ^2/NDF : 1360730.6/4

0.022 $\pm$ 0.000 χ^2/NDF : 6113667.1/23

0.023 $\pm$ 0.000 χ^2/NDF : 11442578.3/48

0.026 $\pm$ 0.000 χ^2/NDF : 5180219.0/24

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

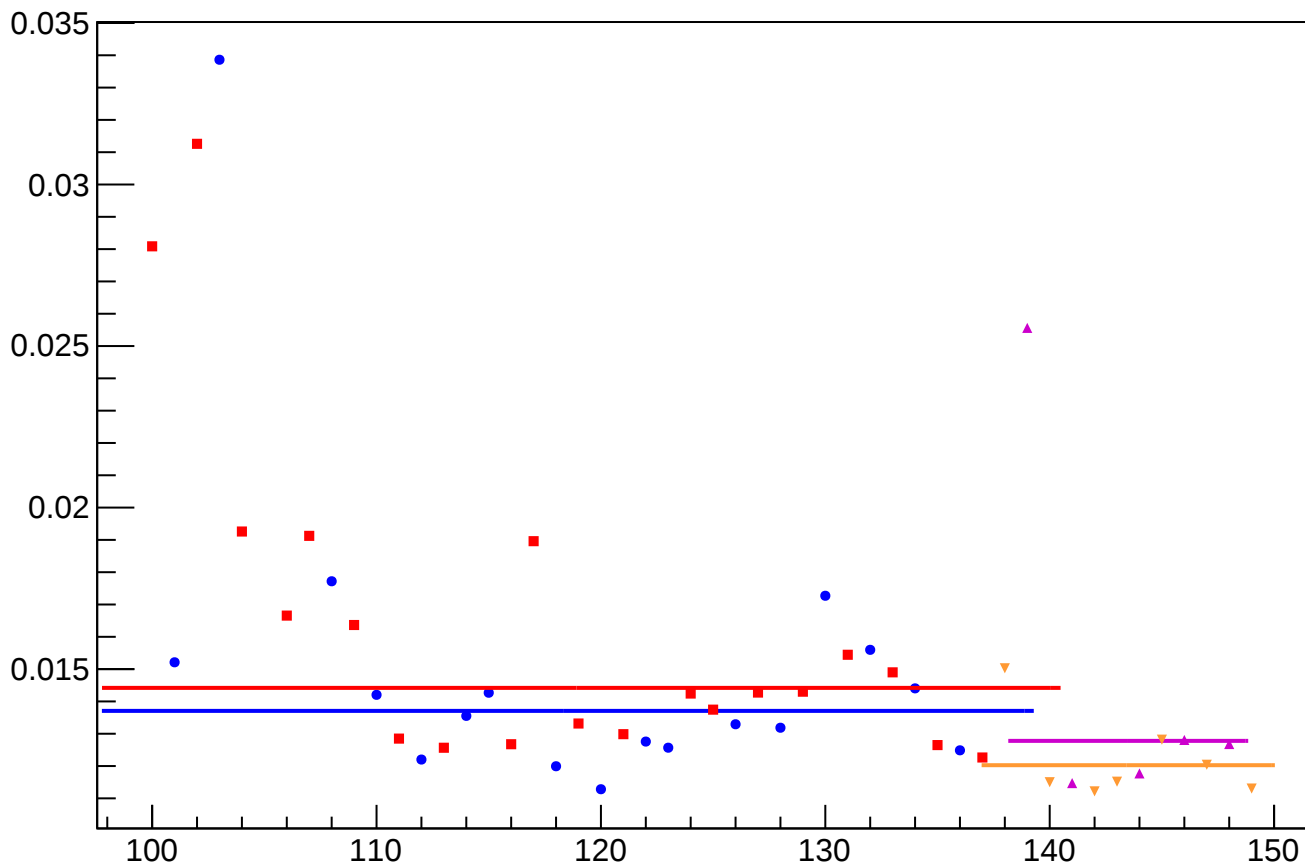
Left In: 0.793+/-0.000 χ^2/NDF : 46883328.0/4

0.878+/-0.000 χ^2/NDF : 658386808.7/23

0.873+/-0.000 χ^2/NDF : 1281884218.8/48

0.868+/-0.000 χ^2/NDF : 621046526.3/24

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

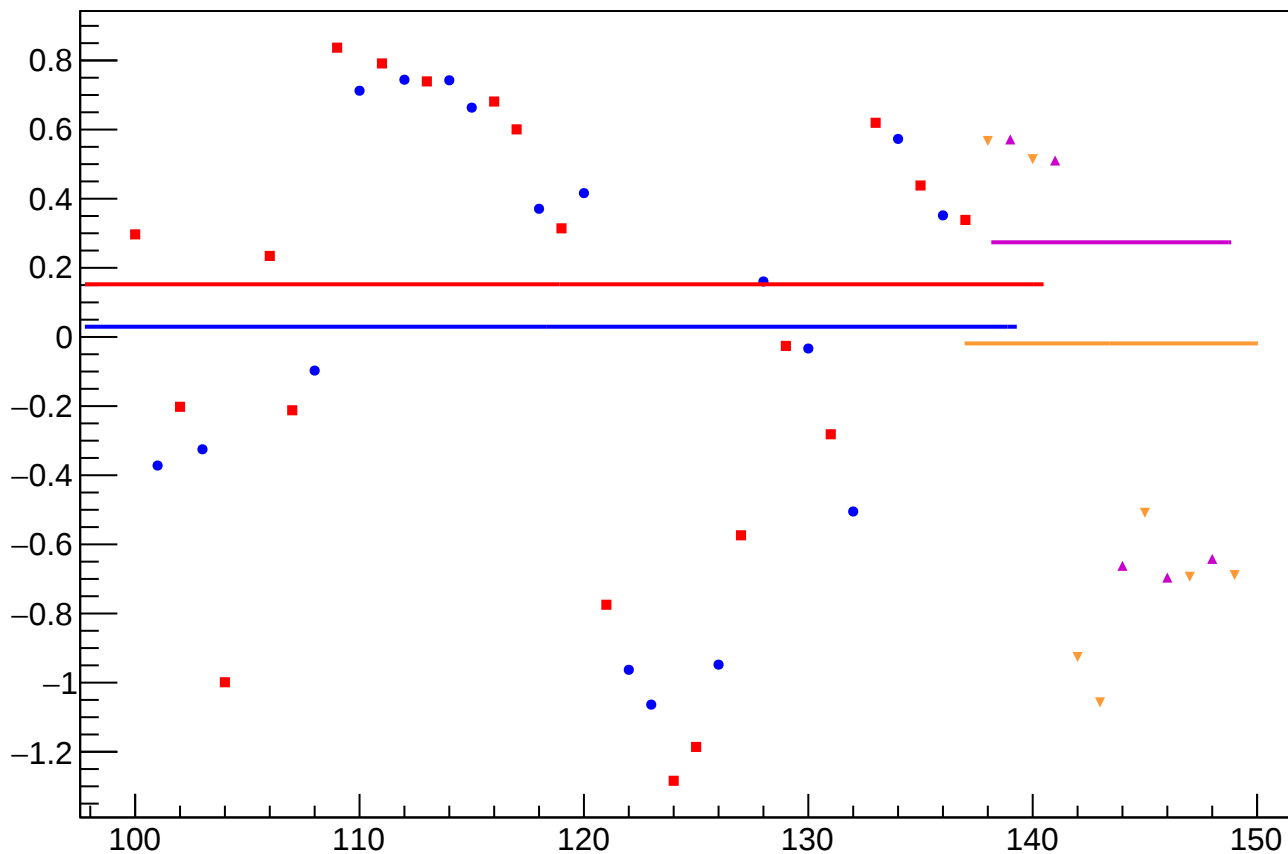
Left In: 0.013+/-0.000 χ^2/NDF : 358330.3/4

0.013+/-0.000 χ^2/NDF : 697082.1/23

0.013+/-0.000 χ^2/NDF : 1666502.7/48

0.014+/-0.000 χ^2/NDF : 930444.8/24

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

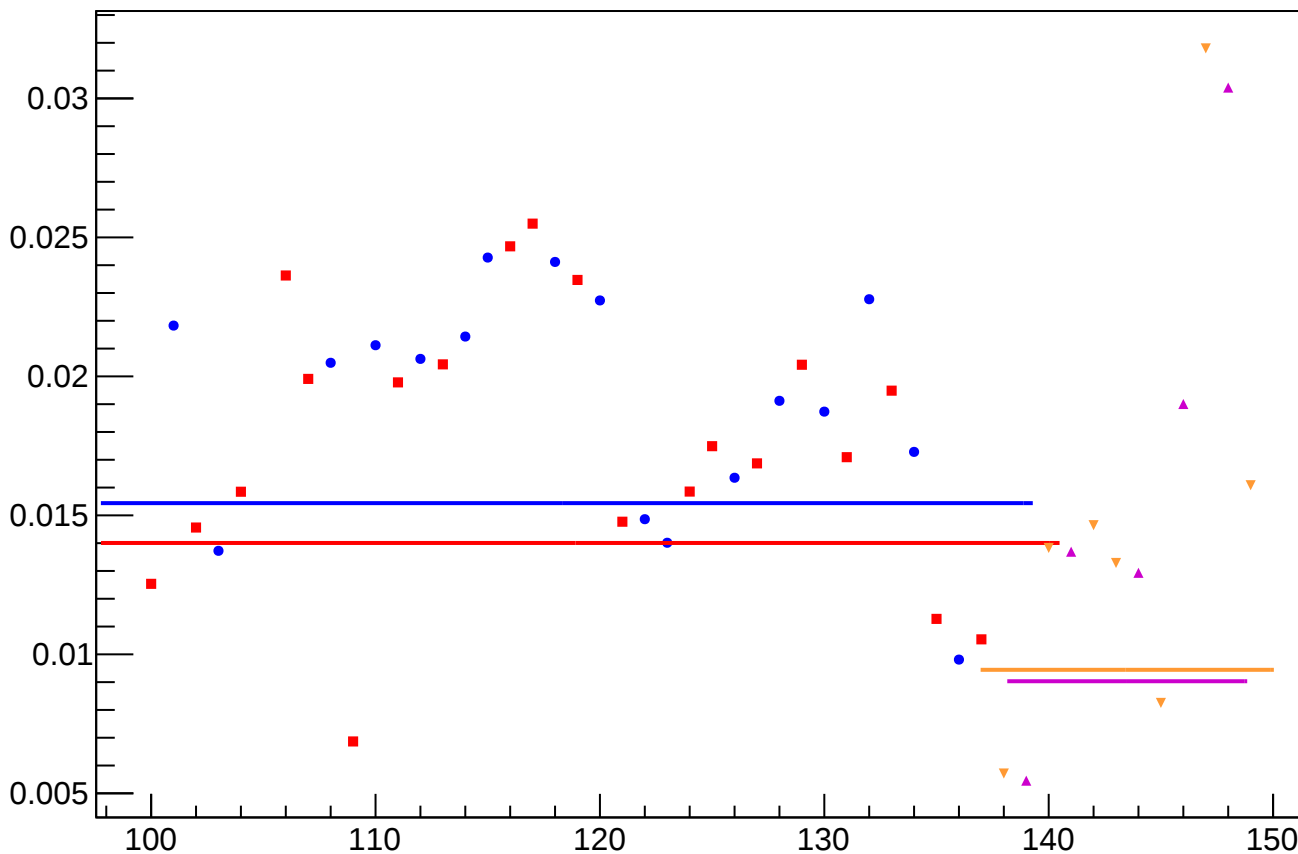
Left In: 0.274 $\pm$ 0.000 χ^2/NDF : 9001987891.3/4

-0.001 $\pm$ 0.000 χ^2/NDF : 22834071762.6/23

0.107 $\pm$ 0.000 χ^2/NDF : 46233027751.2/4

0.218 $\pm$ 0.000 χ^2/NDF : 21902367518.9/24

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

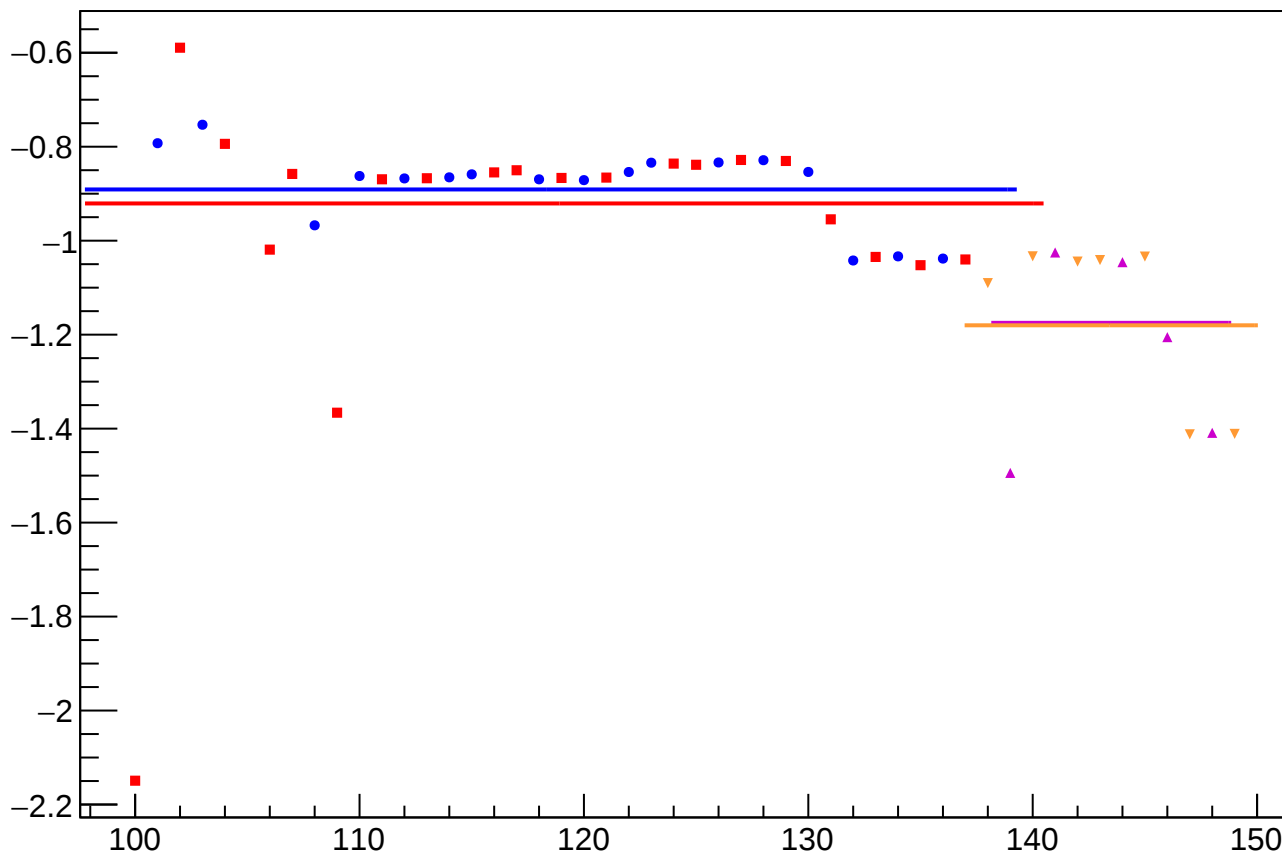
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 2016245.1/4

0.012 $\pm$ 0.000 χ^2/NDF : 4129890.5/23

0.012 $\pm$ 0.000 χ^2/NDF : 8490253.5/48

0.011 $\pm$ 0.000 χ^2/NDF : 4353523.1/24

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

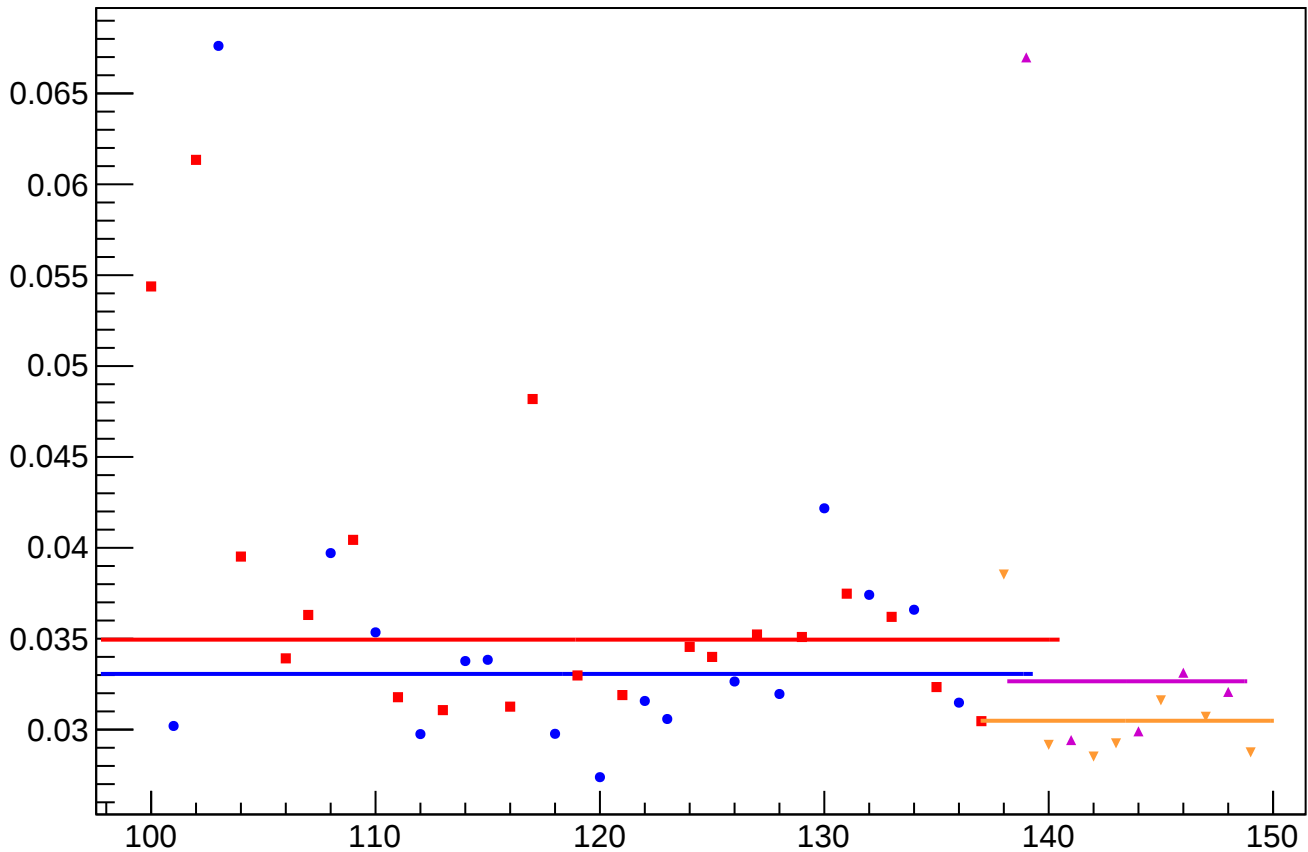
Left In: -1.175+/-0.000 χ^2/NDF : 85871417.0/4

-1.022+/-0.000 χ^2/NDF : 383003764.9/23

-1.020+/-0.000 χ^2/NDF : 726066091.8/48

-1.018+/-0.000 χ^2/NDF : 343008313.1/24

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

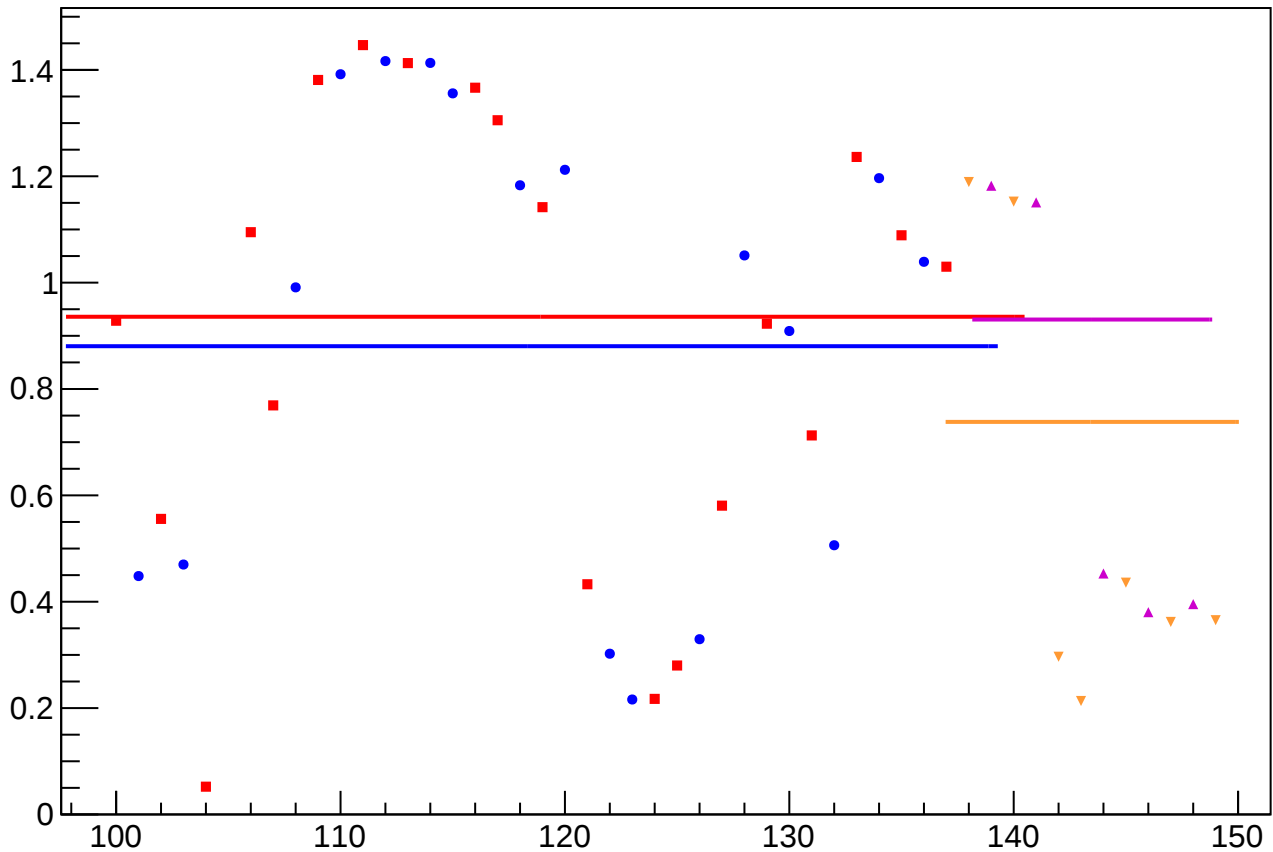
Left In: 0.033+/-0.000 χ^2/NDF : 375516.0/4

0.032+/-0.000 χ^2/NDF : 508402.6/23

0.033+/-0.000 χ^2/NDF : 1227159.1/48

0.034+/-0.000 χ^2/NDF : 676487.0/24

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

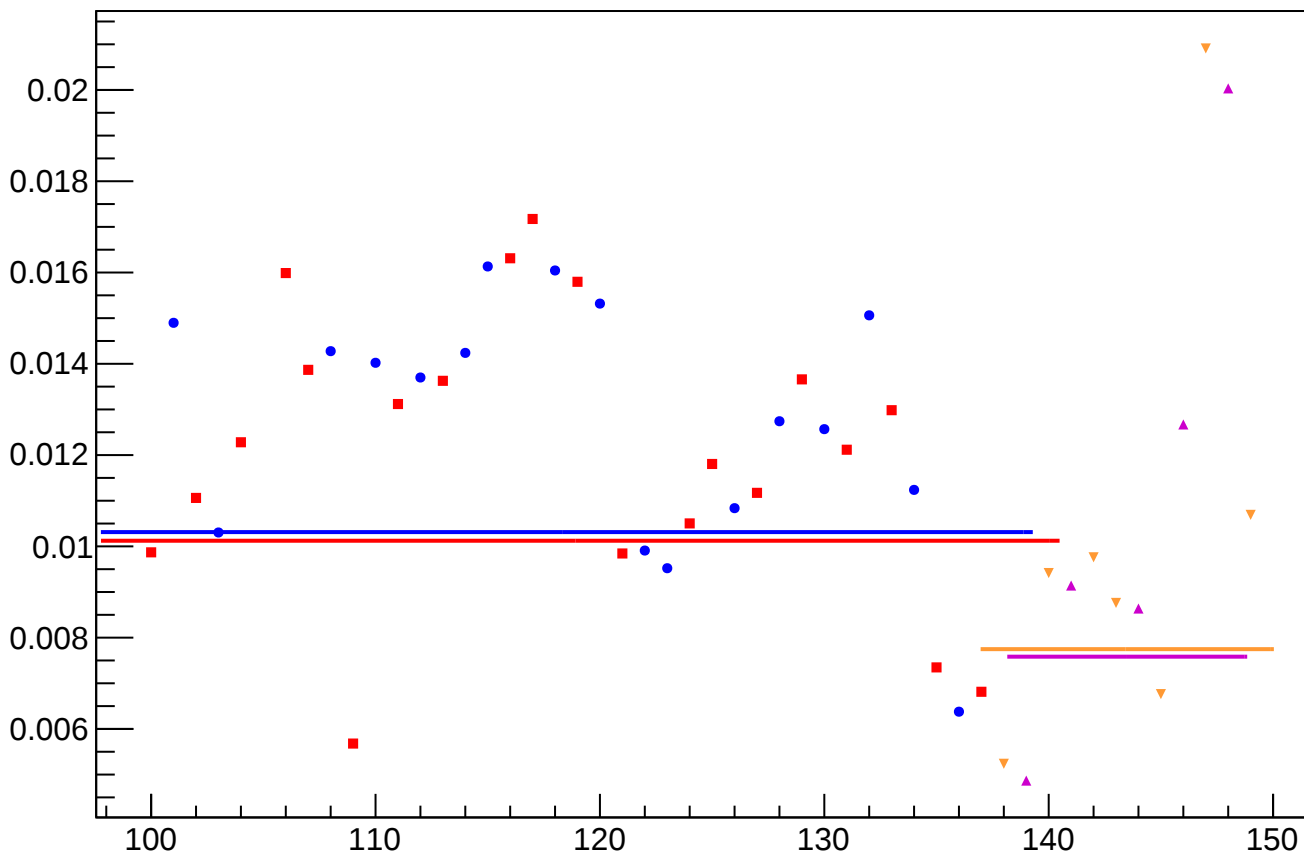
Left In: 0.931 $\pm$ 0.000 χ^2/NDF : 6585534460.5/4

0.800 $\pm$ 0.000 χ^2/NDF : 18906650514.7/23

0.864 $\pm$ 0.000 χ^2/NDF : 36370339722.3/4

0.933 $\pm$ 0.000 χ^2/NDF : 16437600280.5/24

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2/NDF : 1231066.2/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 1144587.6/6

Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 1191429.9/19

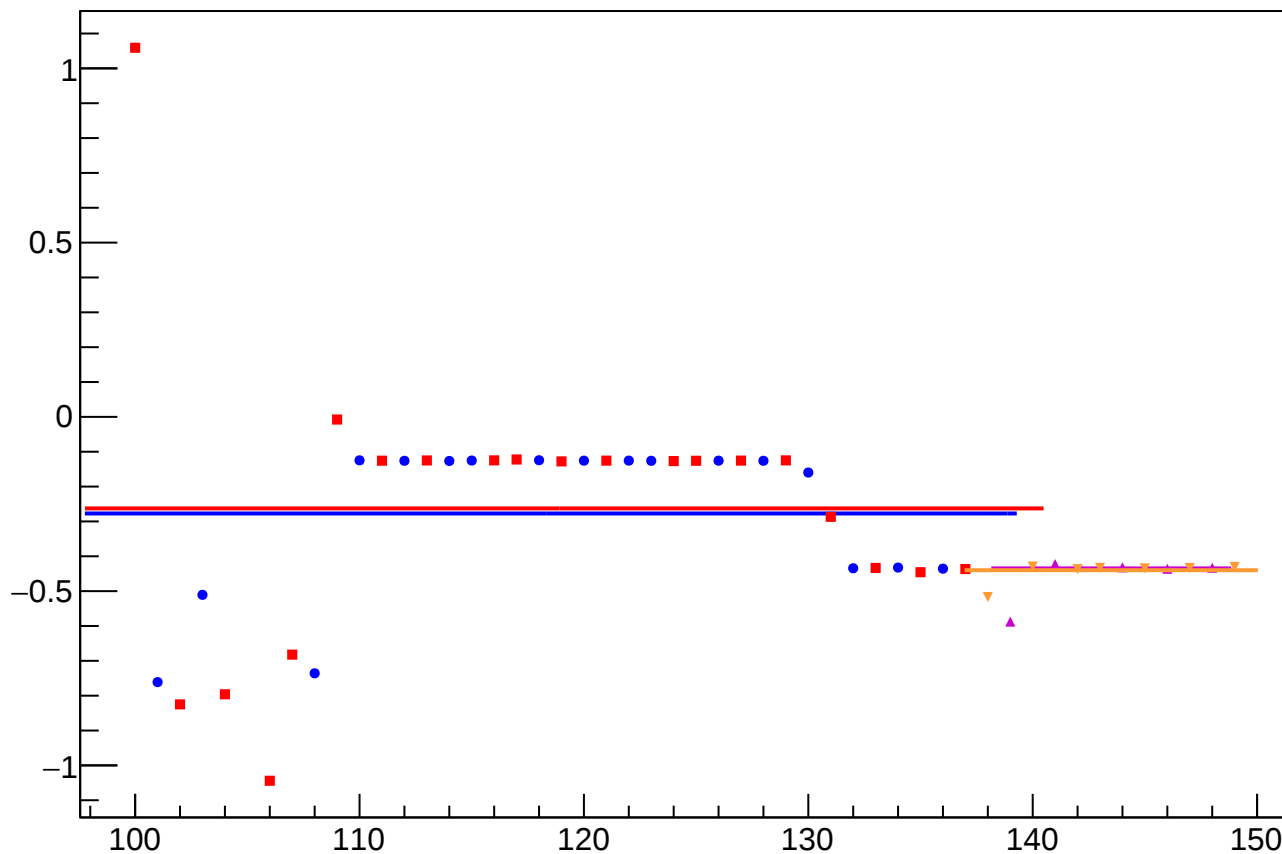
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 1282342.3/4

0.009 $\pm$ 0.000 χ^2/NDF : 2767168.9/23

0.009 $\pm$ 0.000 χ^2/NDF : 5598455.3/48

0.009 $\pm$ 0.000 χ^2/NDF : 2831184.4/24

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

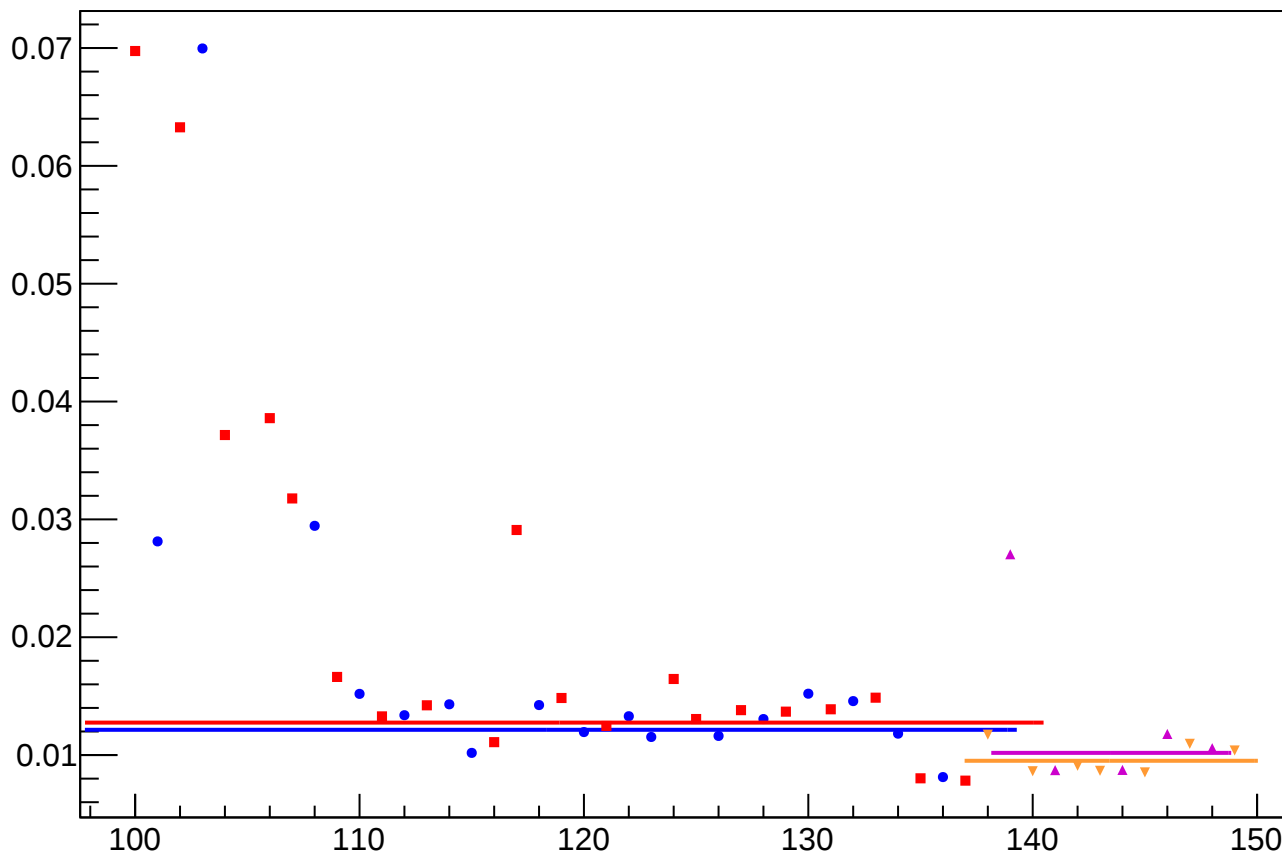
Left In: -0.435+/-0.000 χ^2/NDF : 22553107.7/4

-0.370+/-0.000 χ^2/NDF : 1446735811.1/23

-0.360+/-0.000 χ^2/NDF : 2930689234.4/40

-0.347+/-0.000 χ^2/NDF : 1466846586.9/24

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1727494.7/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:107723.5/6

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1993726.2/19

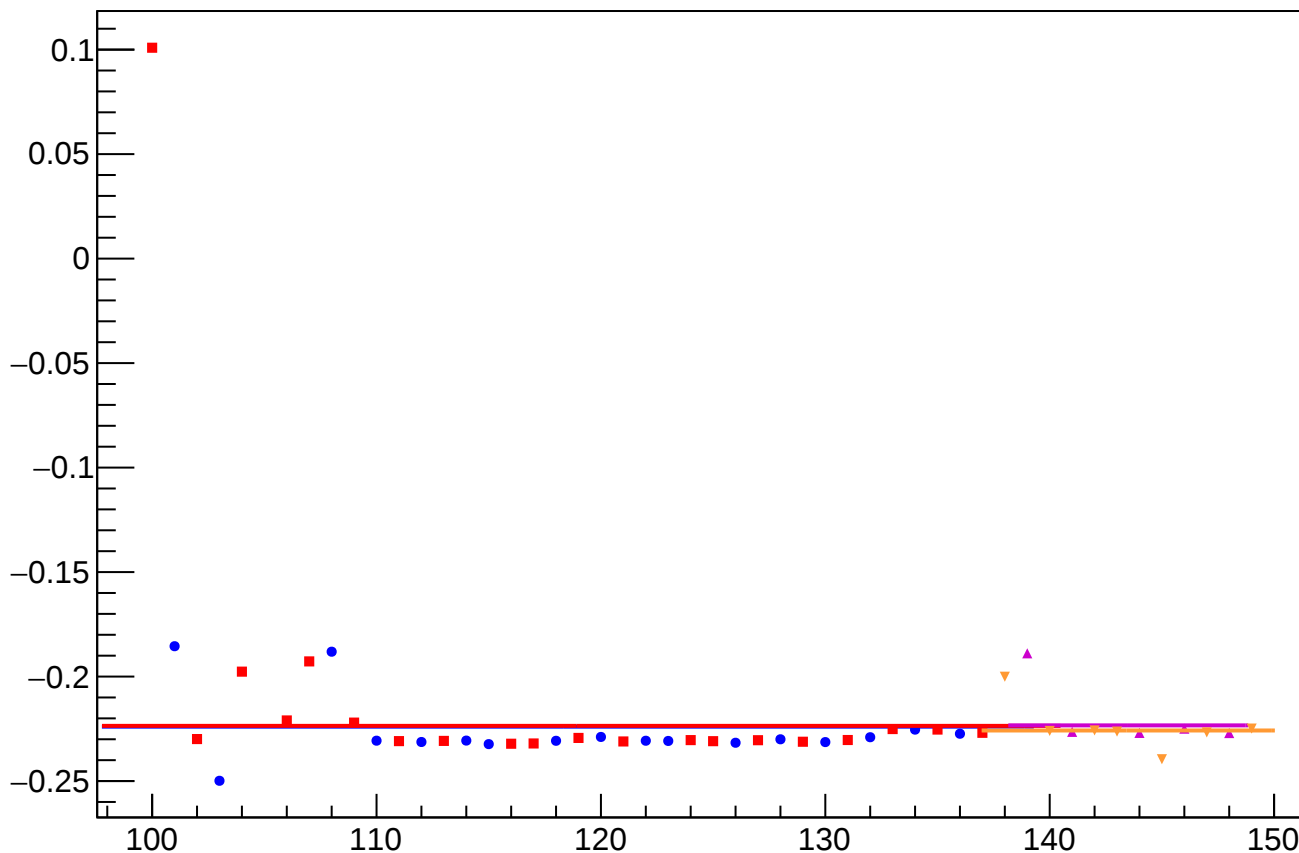
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:615127.8/4

0.011 $\pm$ 0.000 χ^2 /NDF: 2086792.6/23

0.011 $\pm$ 0.000 χ^2 /NDF: 4936595.1/48

0.011 $\pm$ 0.000 χ^2 /NDF: 2802519.9/24

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

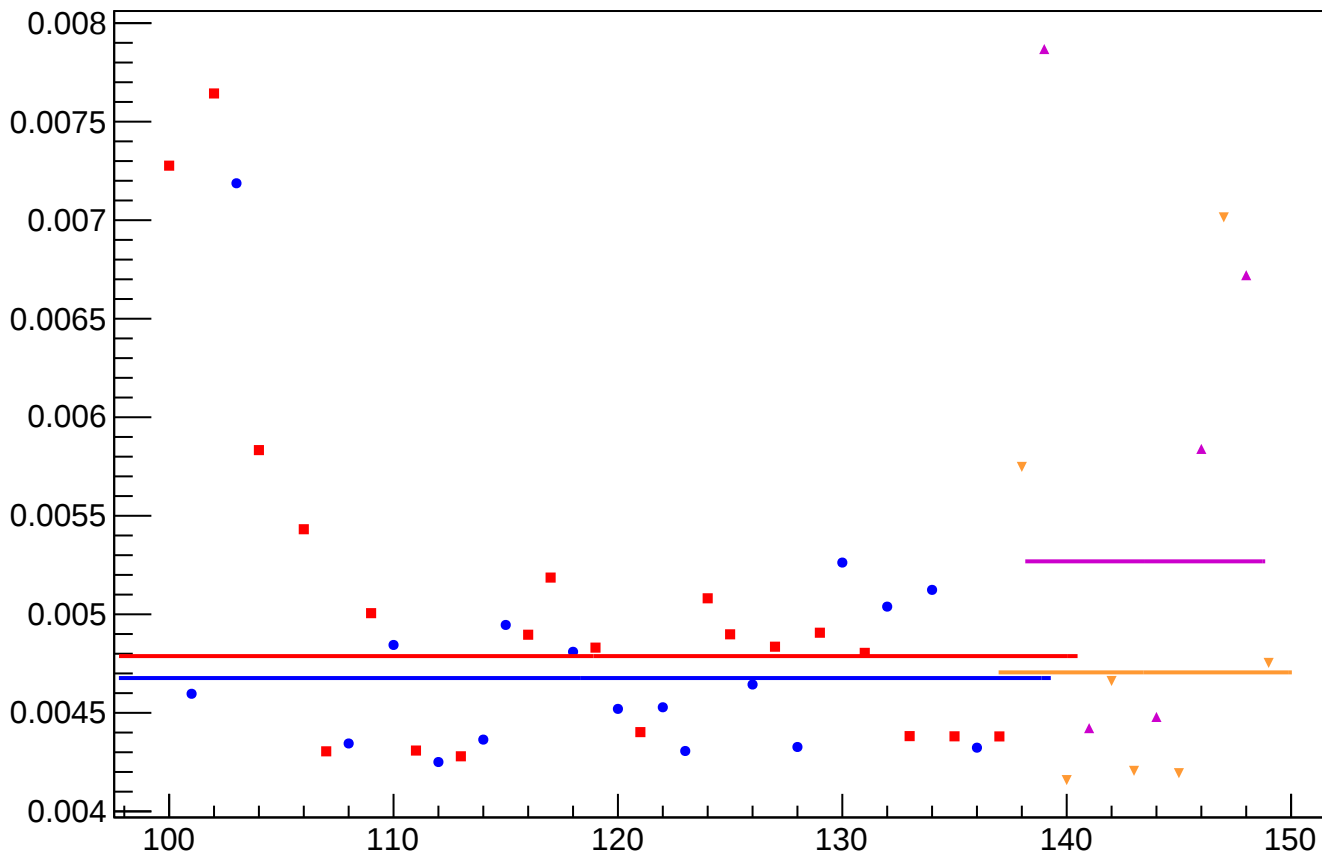
Left In: -0.223+/-0.000 χ^2/NDF : 13499904.7/4

-0.225+/-0.000 χ^2/NDF : 95616508.0/23

-0.224+/-0.000 χ^2/NDF : 277673348.0/48

-0.224+/-0.000 χ^2/NDF : 181735993.4/24

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

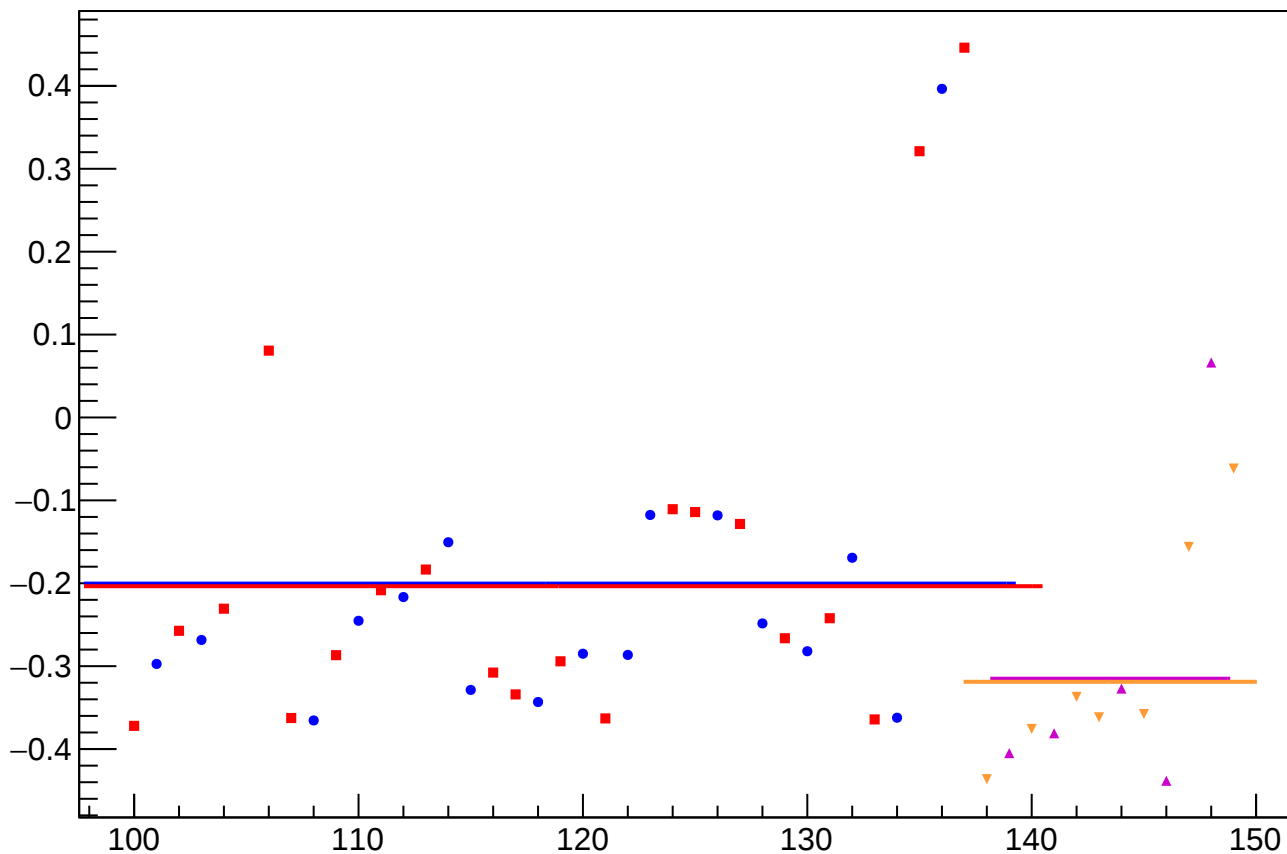
Left In: 0.005+/-0.000 χ^2/NDF : 330319.5/4

0.005+/-0.000 χ^2/NDF : 453130.0/23

0.005+/-0.000 χ^2/NDF : 1099658.2/48

0.005+/-0.000 χ^2/NDF : 619342.4/24

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.200 $\pm$ 0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.319 $\pm$ 0.000 χ^2/NDF : 2284642102.9/6

Right Out: -0.204 $\pm$ 0.000 χ^2/NDF : 5045878528.0/19

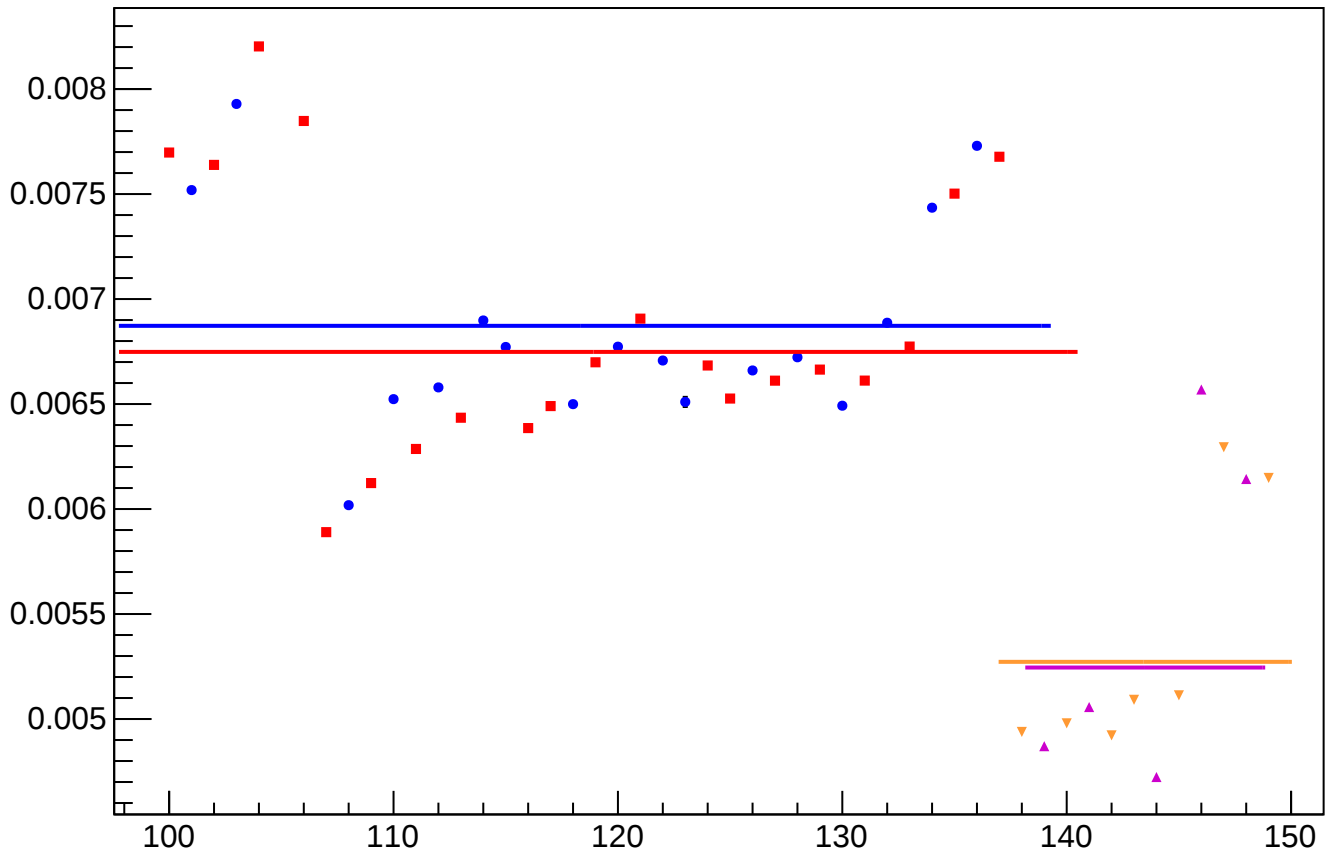
Left In: -0.315 $\pm$ 0.000 χ^2/NDF : 3198074239.6/4

-0.264 $\pm$ 0.000 χ^2/NDF : 9309574171.5/23

-0.260 $\pm$ 0.000 χ^2/NDF : 18434770930.8/4

-0.255 $\pm$ 0.000 χ^2/NDF : 9111763136.5/24

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

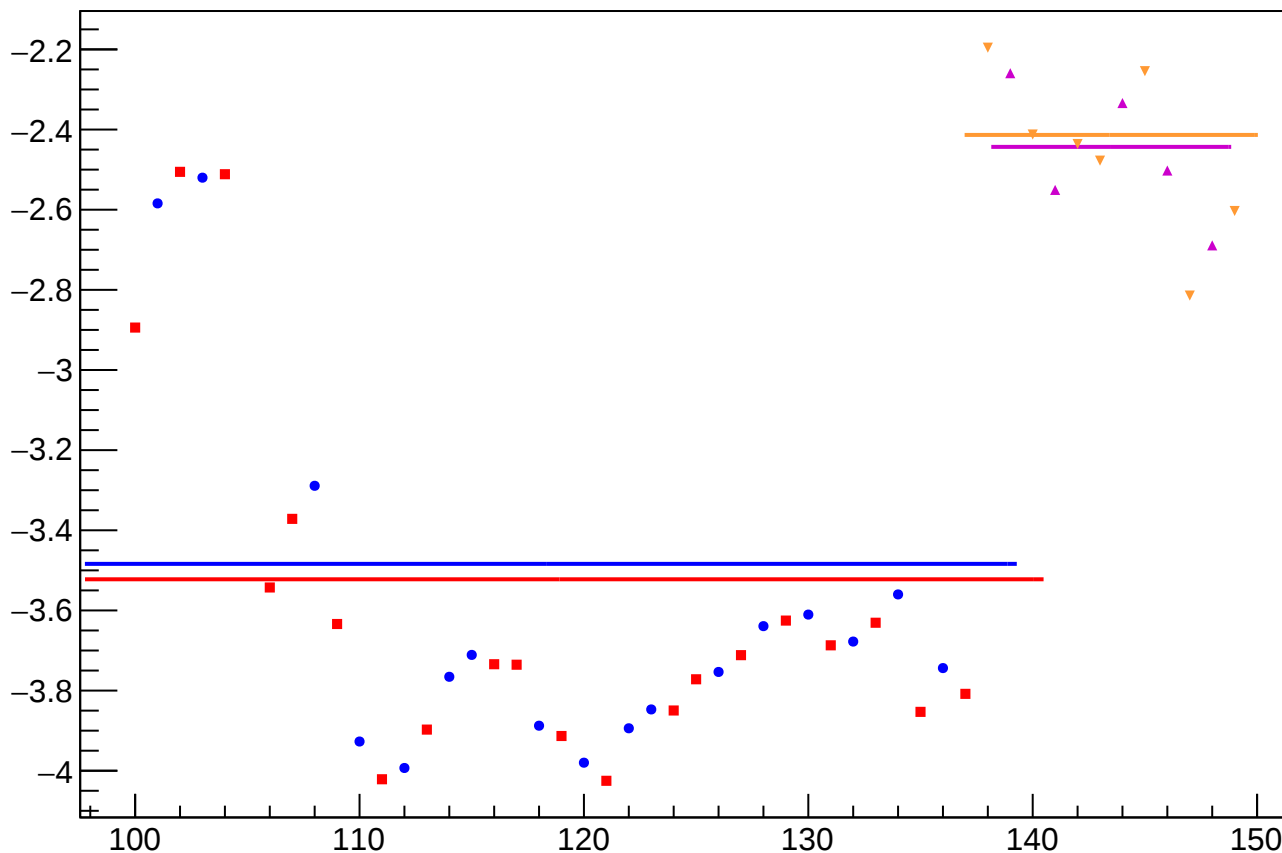
Left In: 0.005 $\pm$ 0.000 χ^2/NDF : 109819.8/4

0.006 $\pm$ 0.000 χ^2/NDF : 544713.4/23

0.006 $\pm$ 0.000 χ^2/NDF : 1075350.6/48

0.006 $\pm$ 0.000 χ^2/NDF : 529909.1/24

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

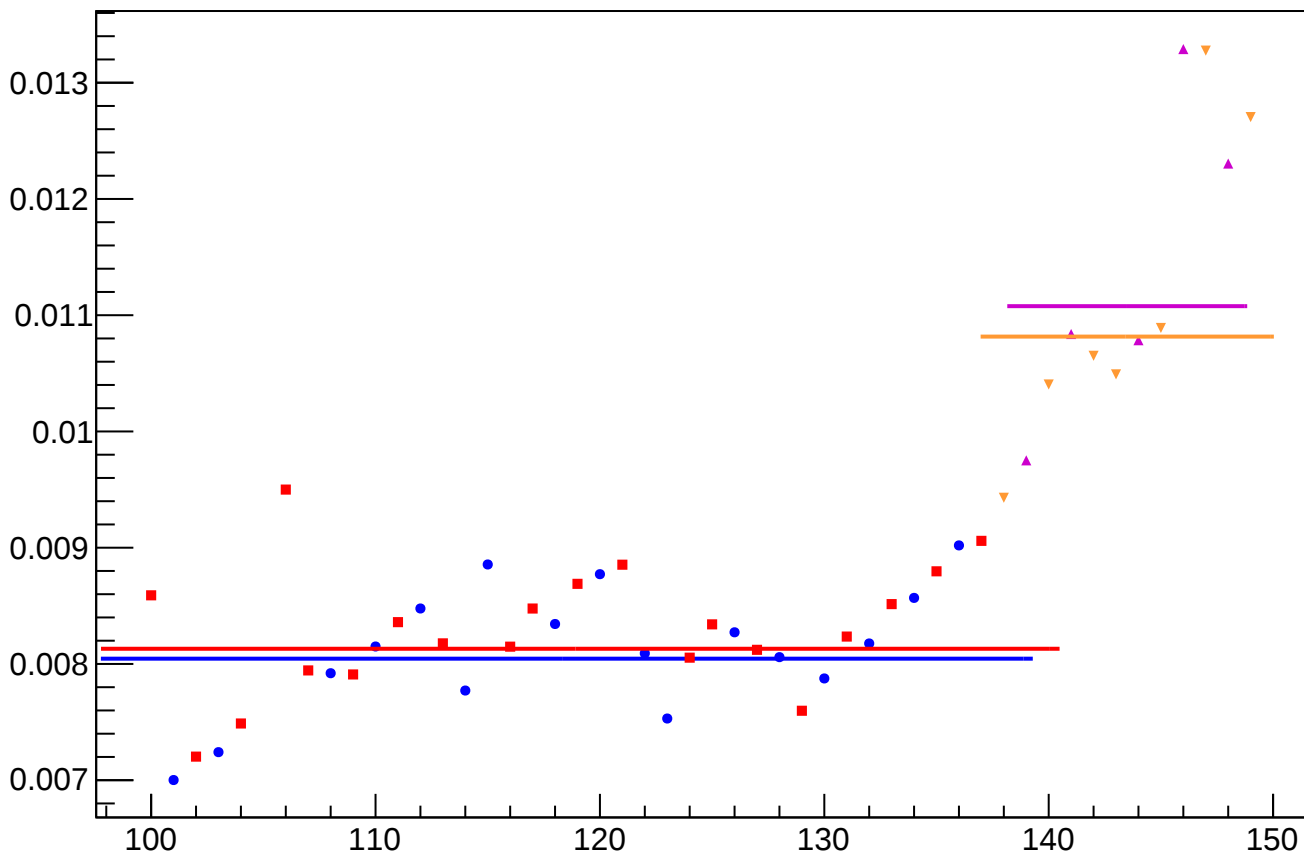
Left In: -2.443 ± 0.000 χ^2/NDF : 690829978.8/4

-3.189 ± 0.000 χ^2/NDF : 60193468520.1/23

-3.235 ± 0.000 χ^2/NDF : 114515279261.4

-3.284 ± 0.000 χ^2/NDF : 53708177732.9/24

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 71989.8/16

Left Out: 0.011+/-0.000 χ^2/NDF : 107388.5/6

Right Out: 0.008+/-0.000 χ^2/NDF : 57613.2/19

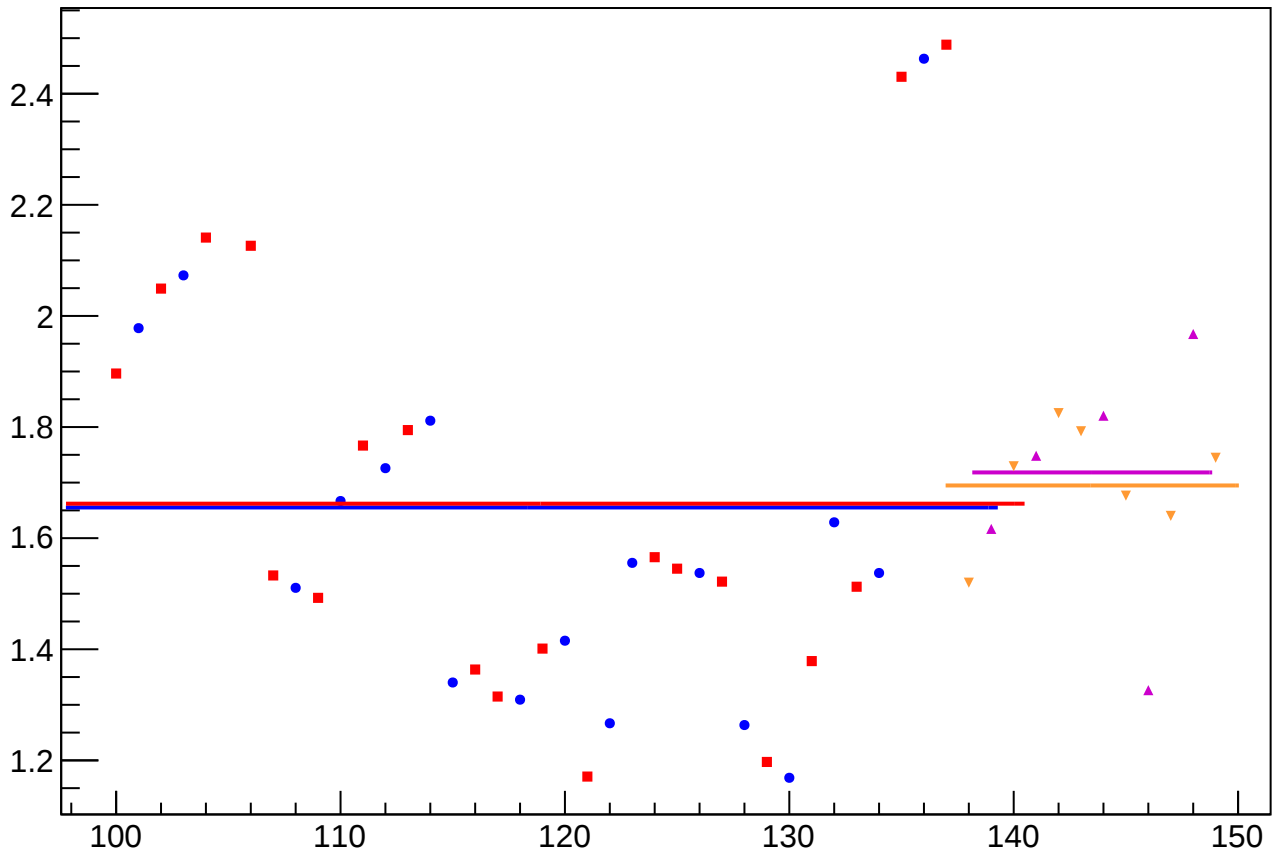
Left In: 0.011+/-0.000 χ^2/NDF : 74316.4/4

0.009+/-0.000 χ^2/NDF : 604953.6/23

0.009+/-0.000 χ^2/NDF : 1132632.2/48

0.009+/-0.000 χ^2/NDF : 527576.9/24

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

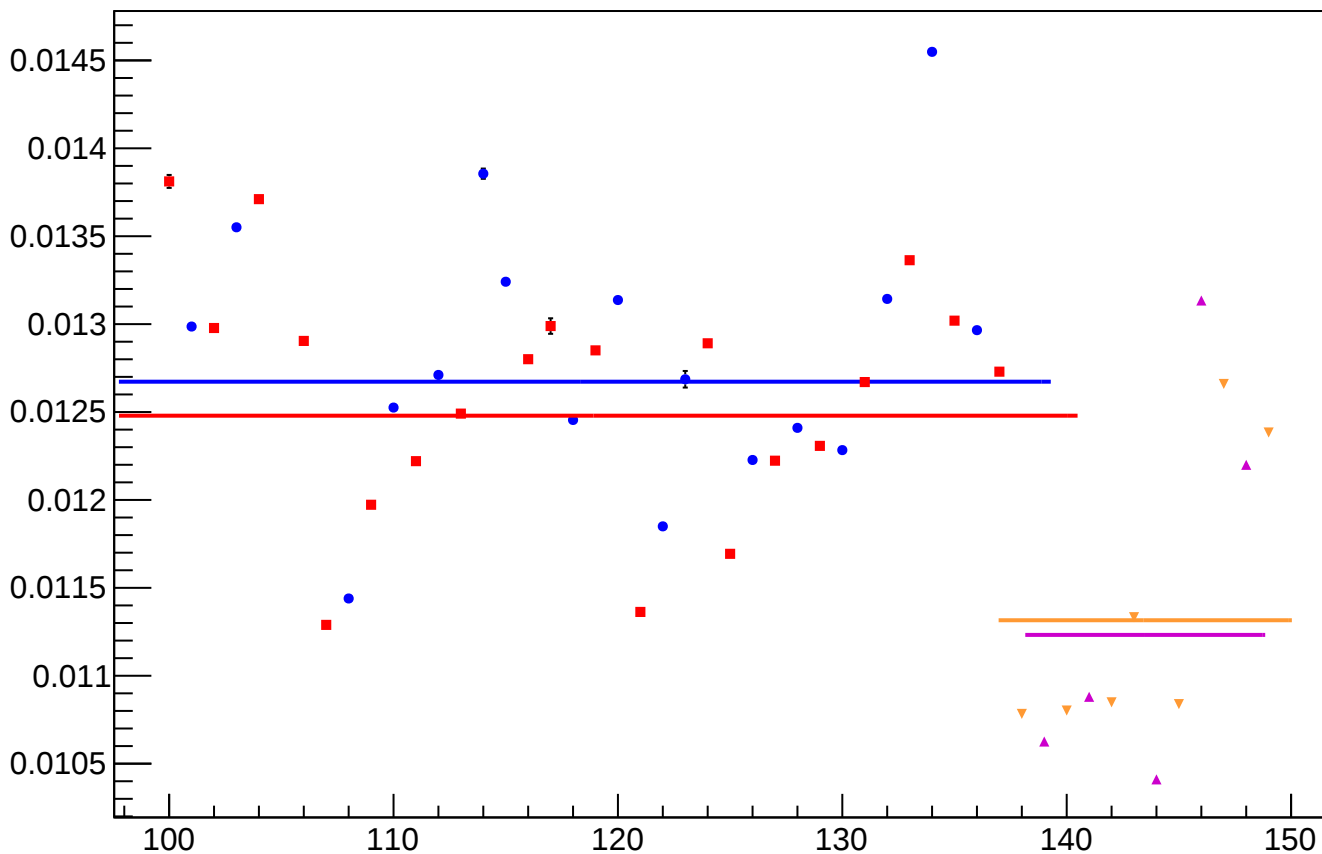
Left In: 1.718 +/- 0.000 χ^2/NDF : 1067155096.5/4

1.674 +/- 0.000 χ^2/NDF : 6838497378.8/23

1.679 +/- 0.000 χ^2/NDF : 13941146750.9/4

1.684 +/- 0.000 χ^2/NDF : 7098533129.2/24

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

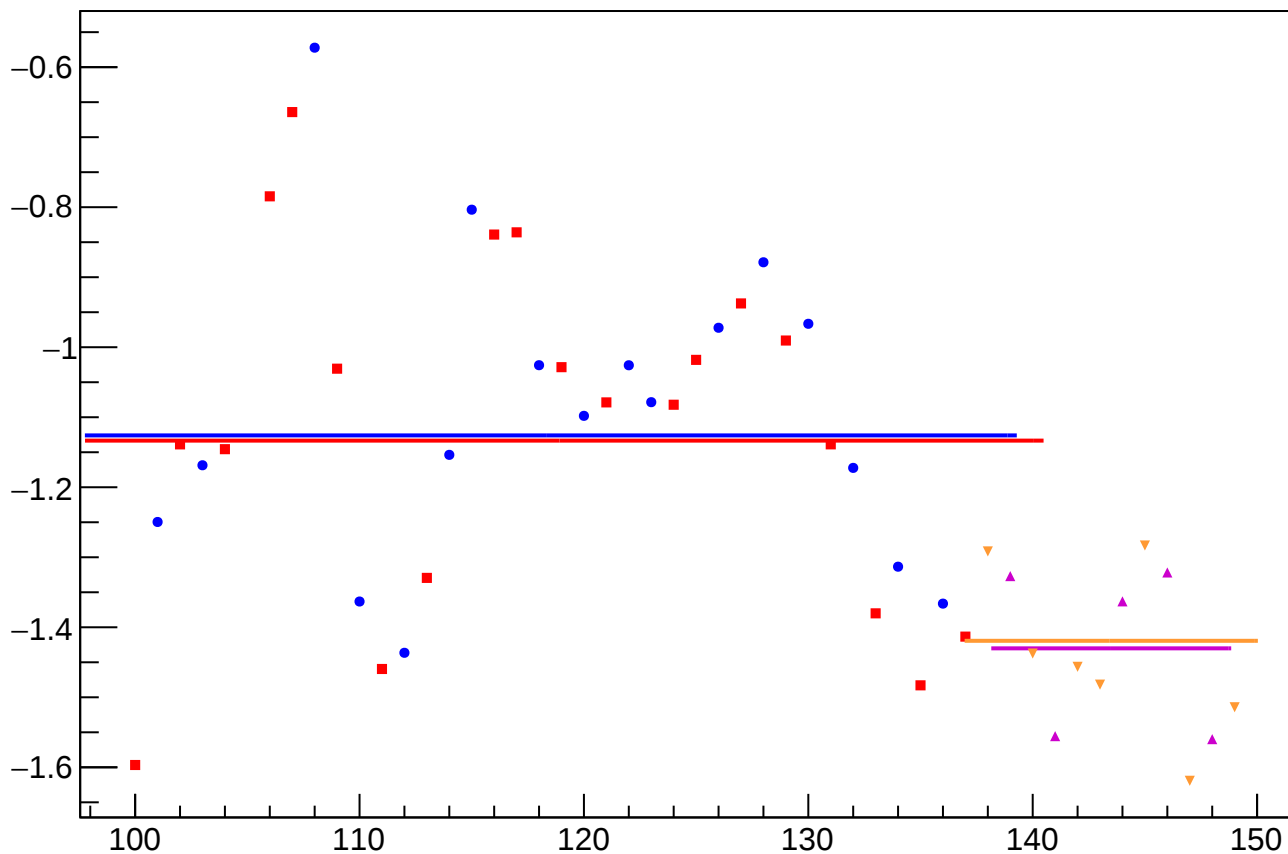
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 54669.7/4

0.012 $\pm$ 0.000 χ^2/NDF : 141673.2/23

0.012 $\pm$ 0.000 χ^2/NDF : 290858.6/48

0.012 $\pm$ 0.000 χ^2/NDF : 149024.6/24

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

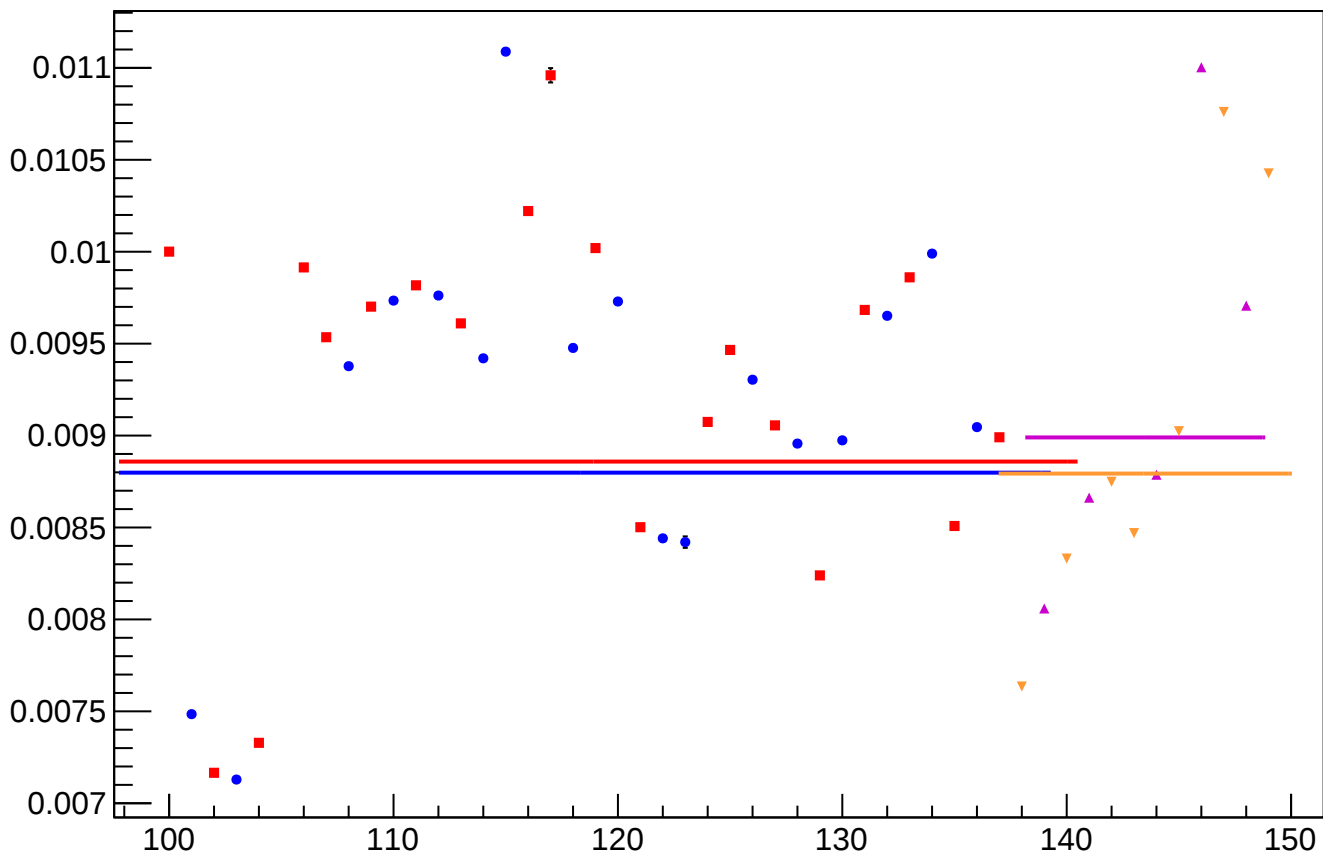
Left In: -1.430 ± 0.000 χ^2/NDF : 510256983.9/4

-1.246 ± 0.000 χ^2/NDF : 7143993334.0/23

-1.241 ± 0.000 χ^2/NDF : 13923375872.5/4

-1.235 ± 0.000 χ^2/NDF : 6770569585.8/24

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

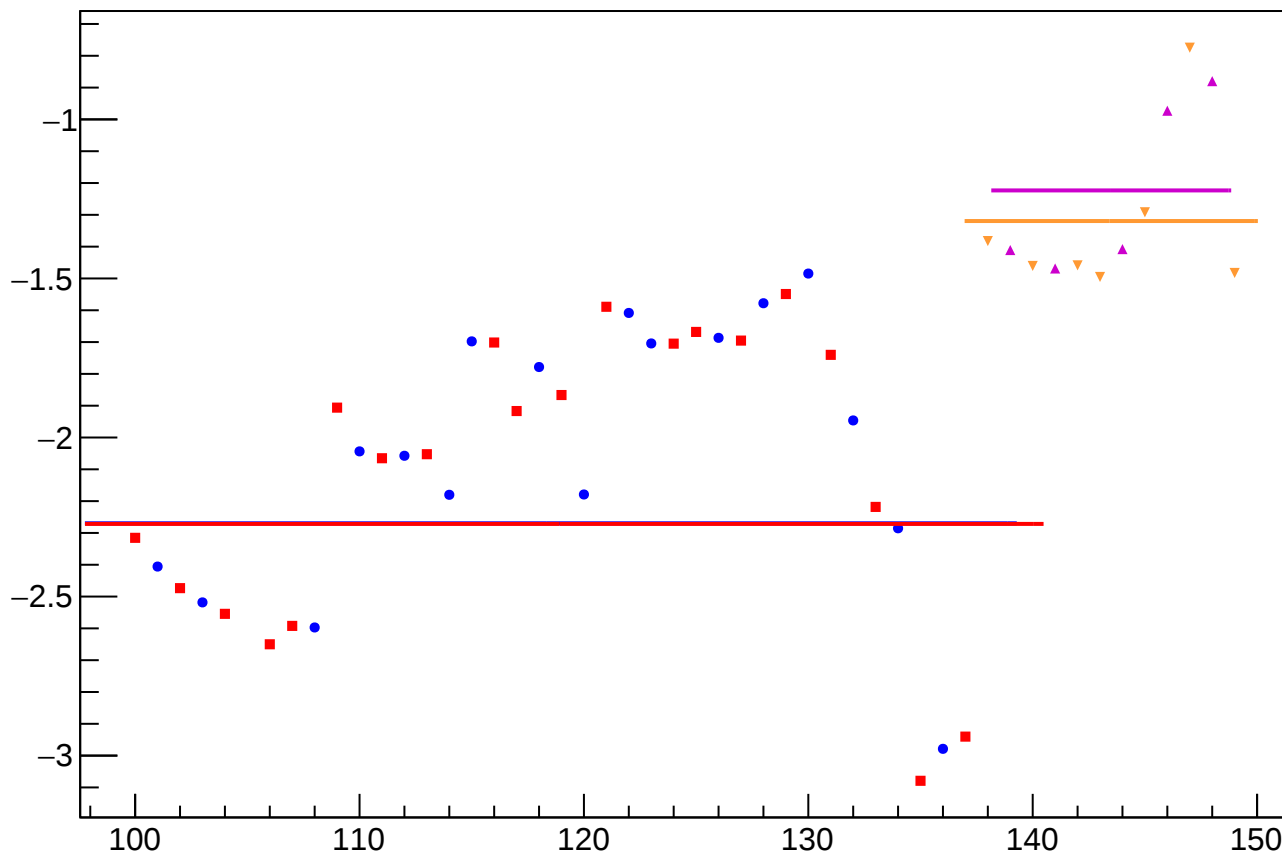
Left In: 0.009+/-0.000 χ^2/NDF :69160.2/4

0.009+/-0.000 χ^2/NDF : 266095.6/23

0.009+/-0.000 χ^2/NDF : 514659.0/48

0.009+/-0.000 χ^2/NDF : 247019.6/24

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

Right Out: -2.272+/-0.000 χ^2/NDF : 19012236430.2/19

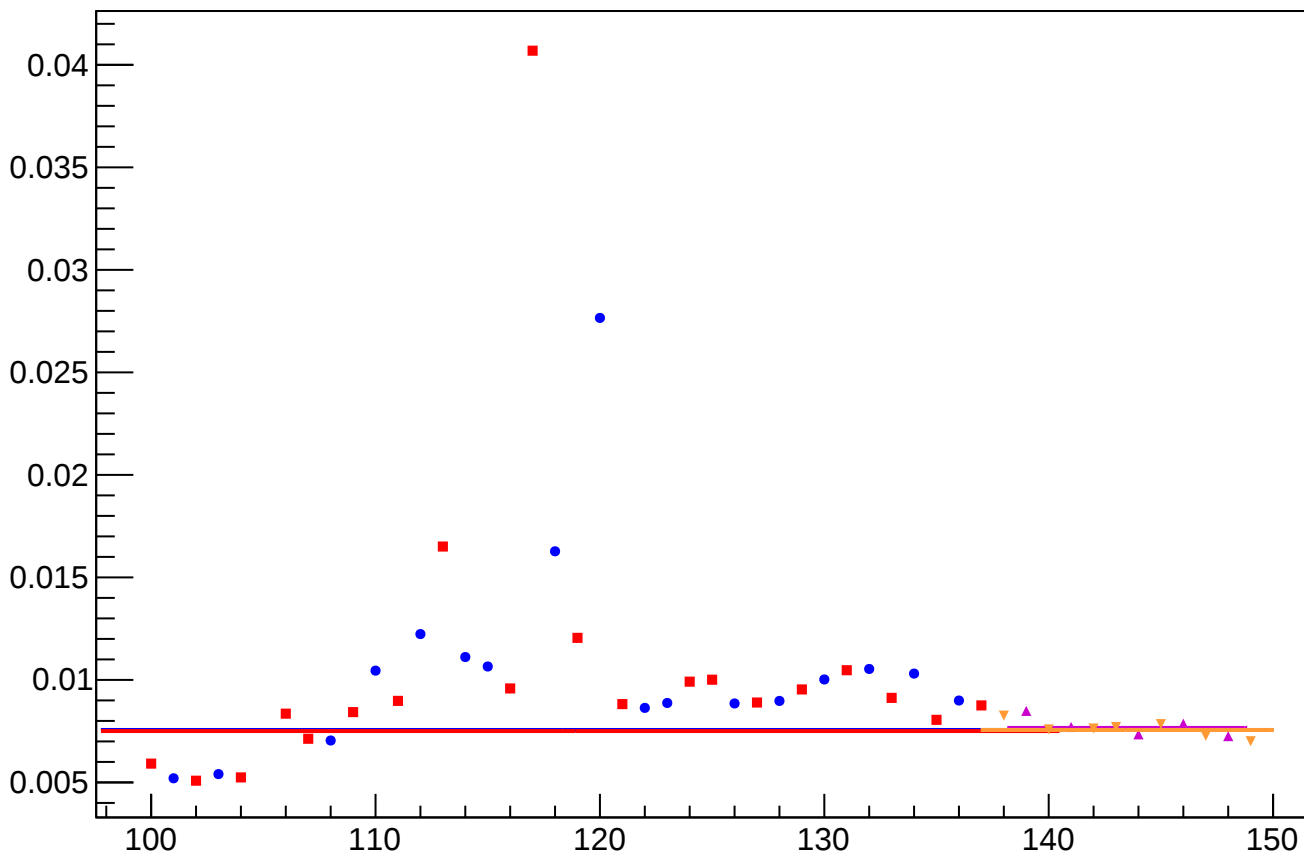
Left In: -1.223+/-0.000 χ^2/NDF : 4072104226.9/4

-1.818+/-0.000 χ^2/NDF : 60428588511.2/23

-1.840+/-0.000 χ^2/NDF : 126376658985.1

-1.863+/-0.000 χ^2/NDF : 65780900938.1/24

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 1221004.0/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 22797.6/6

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 984811.6/19

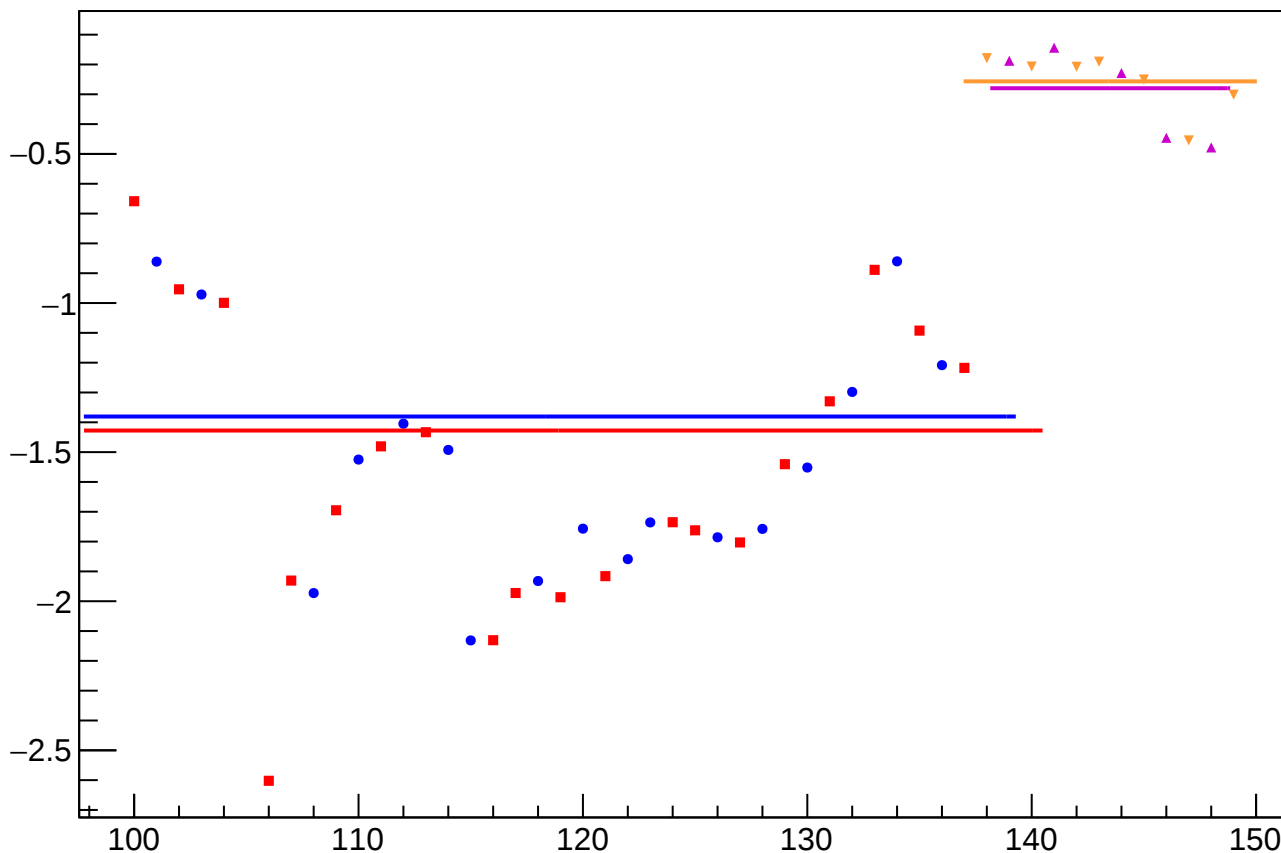
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 20746.0/4

0.008 $\pm$ 0.000 χ^2/NDF : 1243801.6/23

0.008 $\pm$ 0.000 χ^2/NDF : 2251151.8/48

0.008 $\pm$ 0.000 χ^2/NDF : 1007342.7/24

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.381 ± 0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.257 ± 0.000 χ^2/NDF : 2123154834.9/6

-0.614 ± 0.000 χ^2/NDF : 134004100092.8/23

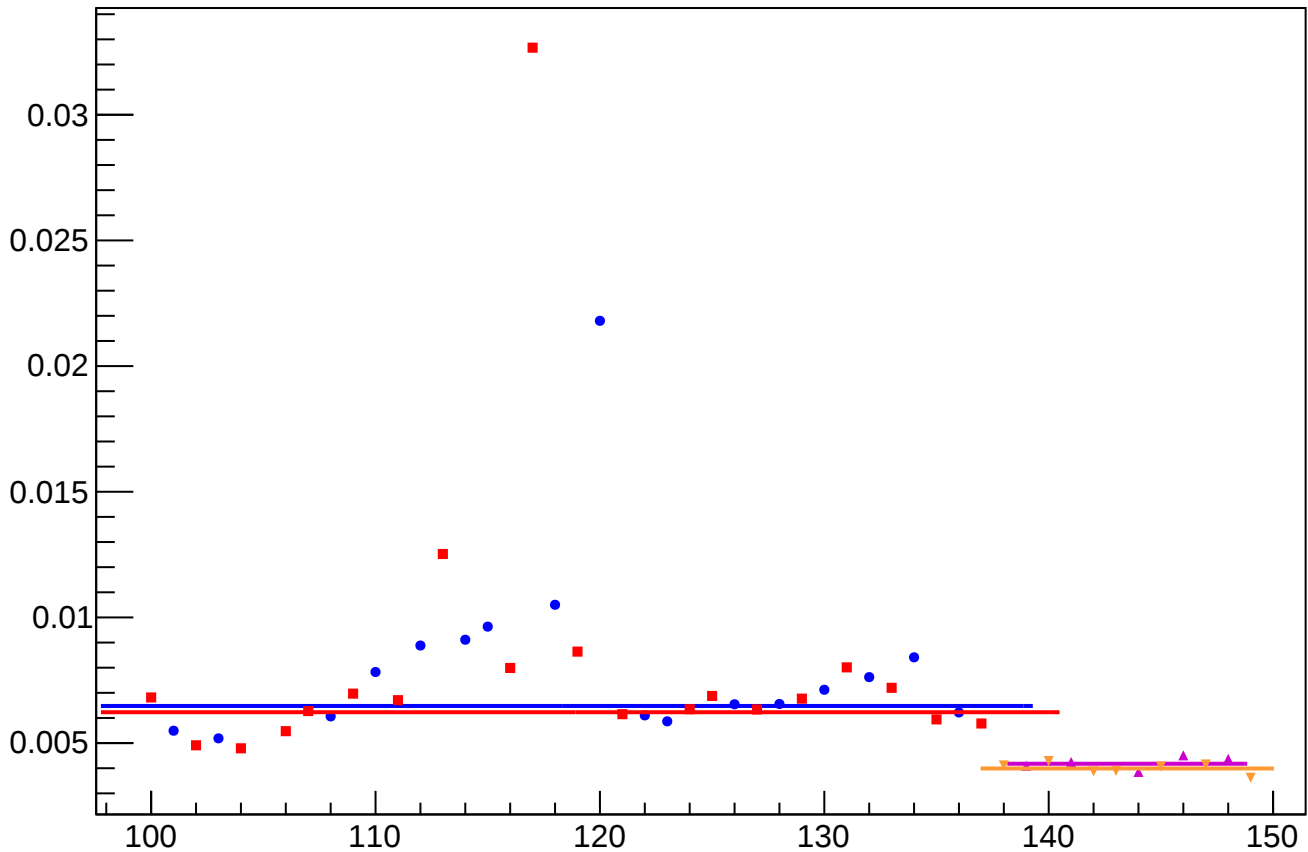
Right Out: -1.428 ± 0.000 χ^2/NDF : 29626603581.6/19

-0.687 ± 0.000 χ^2/NDF : 286519819552.8

-0.770 ± 0.000 χ^2/NDF : 147884434407.6/24

Left In: -0.280 ± 0.000 χ^2/NDF : 3548814703.0/4

yield_bpm0i05Y_rms vs Slug, 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

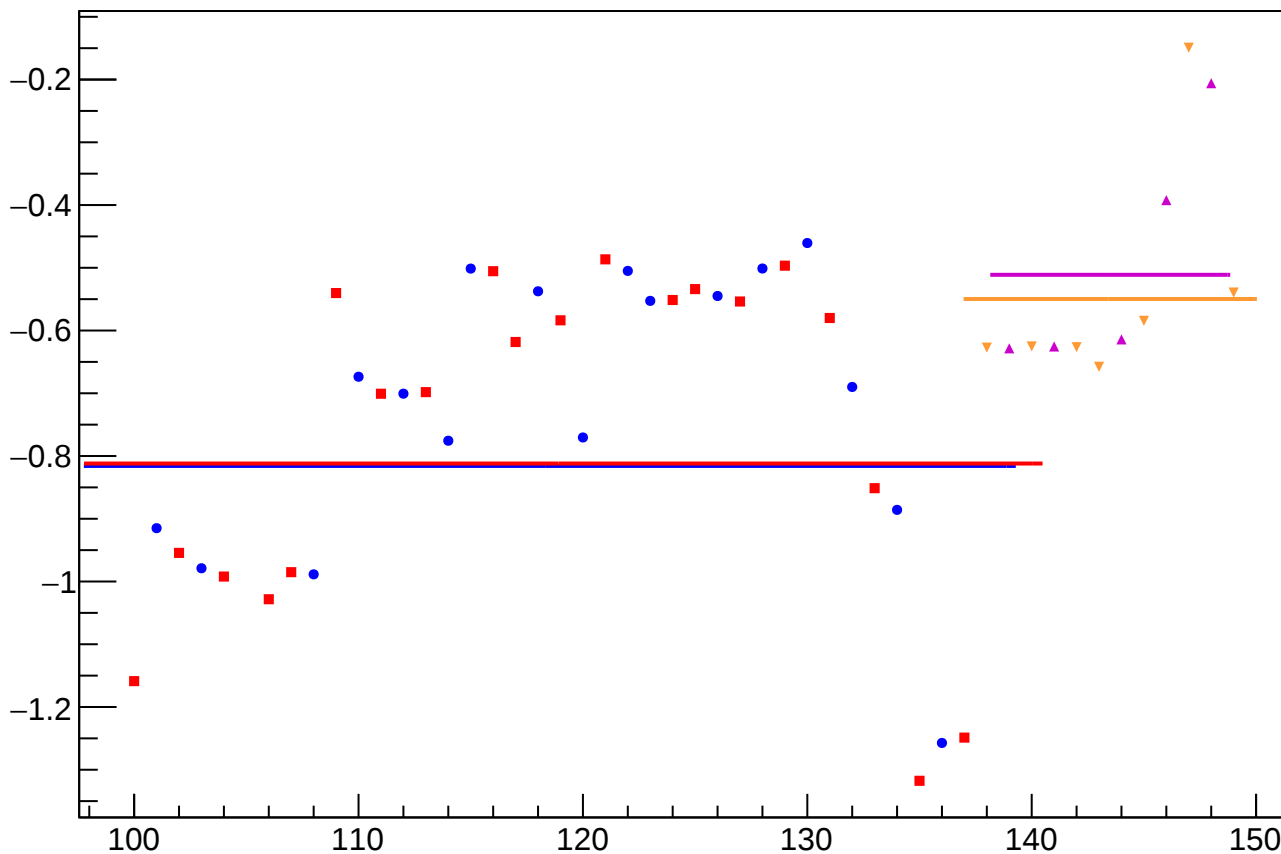
Left In: 0.004+/-0.000 χ^2/NDF : 22130.6/4

0.005+/-0.000 χ^2/NDF : 1695171.5/23

0.005+/-0.000 χ^2/NDF : 2949625.6/48

0.005+/-0.000 χ^2/NDF : 1226039.4/24

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

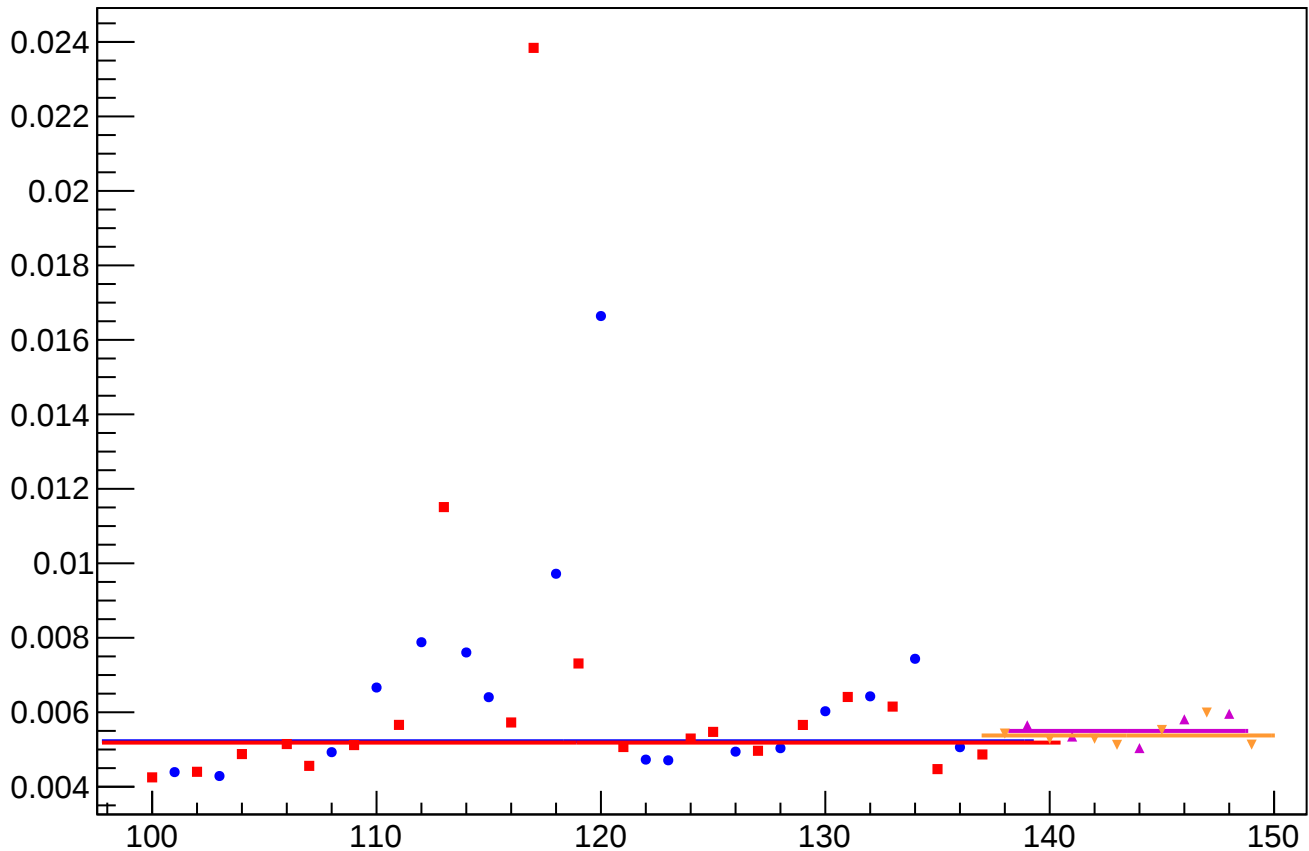
Right Out: -0.812+/-0.000 χ^2/NDF : 16818378599.3/19

-0.701+/-0.000 χ^2/NDF : 51322232476.5/4

-0.705+/-0.000 χ^2/NDF : 27157455657.4/24

Left In: -0.511+/-0.000 χ^2/NDF : 3221939228.4/4

yield_bpm0i07X_rms vs Slug, 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

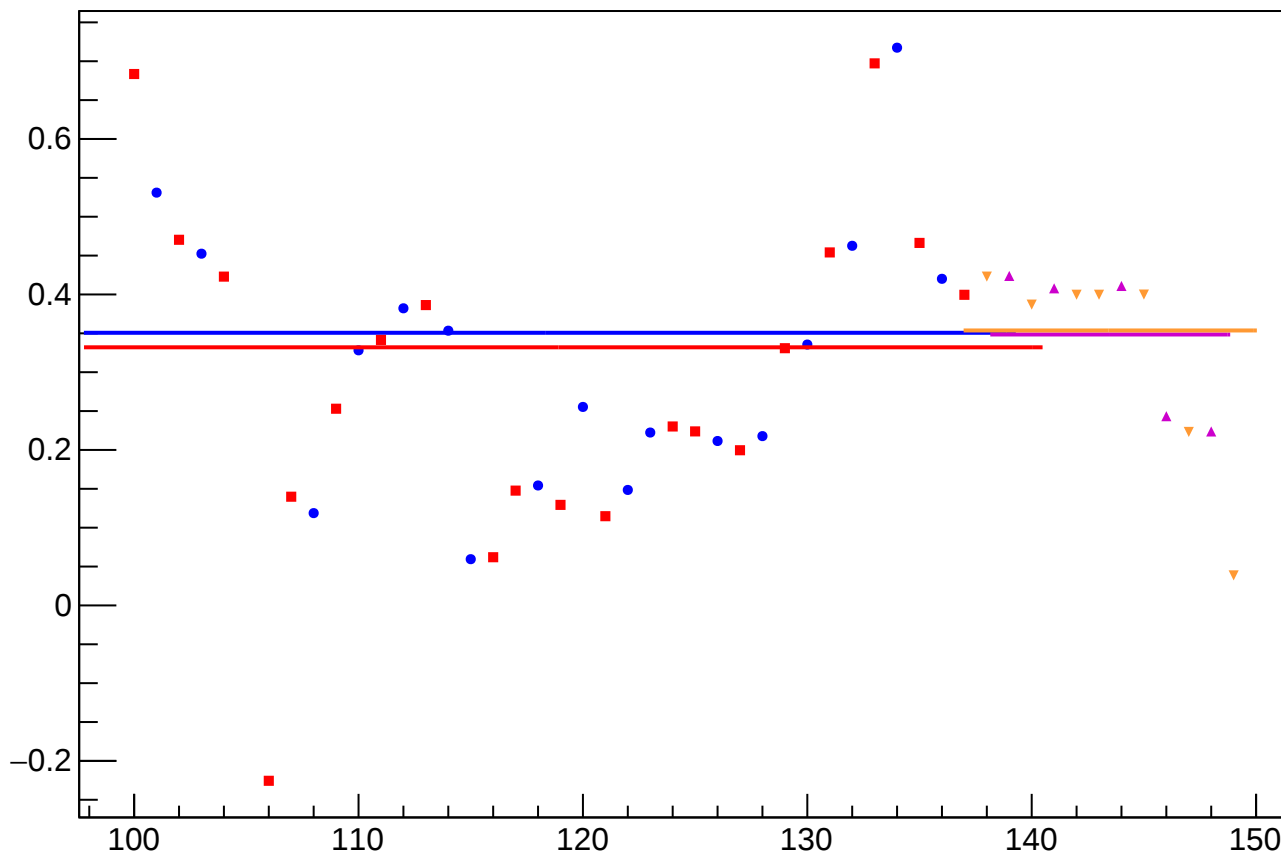
Left In: 0.005+/-0.000 χ^2/NDF : 28725.7/4

0.005+/-0.000 χ^2/NDF : 691601.2/23

0.005+/-0.000 χ^2/NDF : 1146485.5/48

0.005+/-0.000 χ^2/NDF : 454870.1/24

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

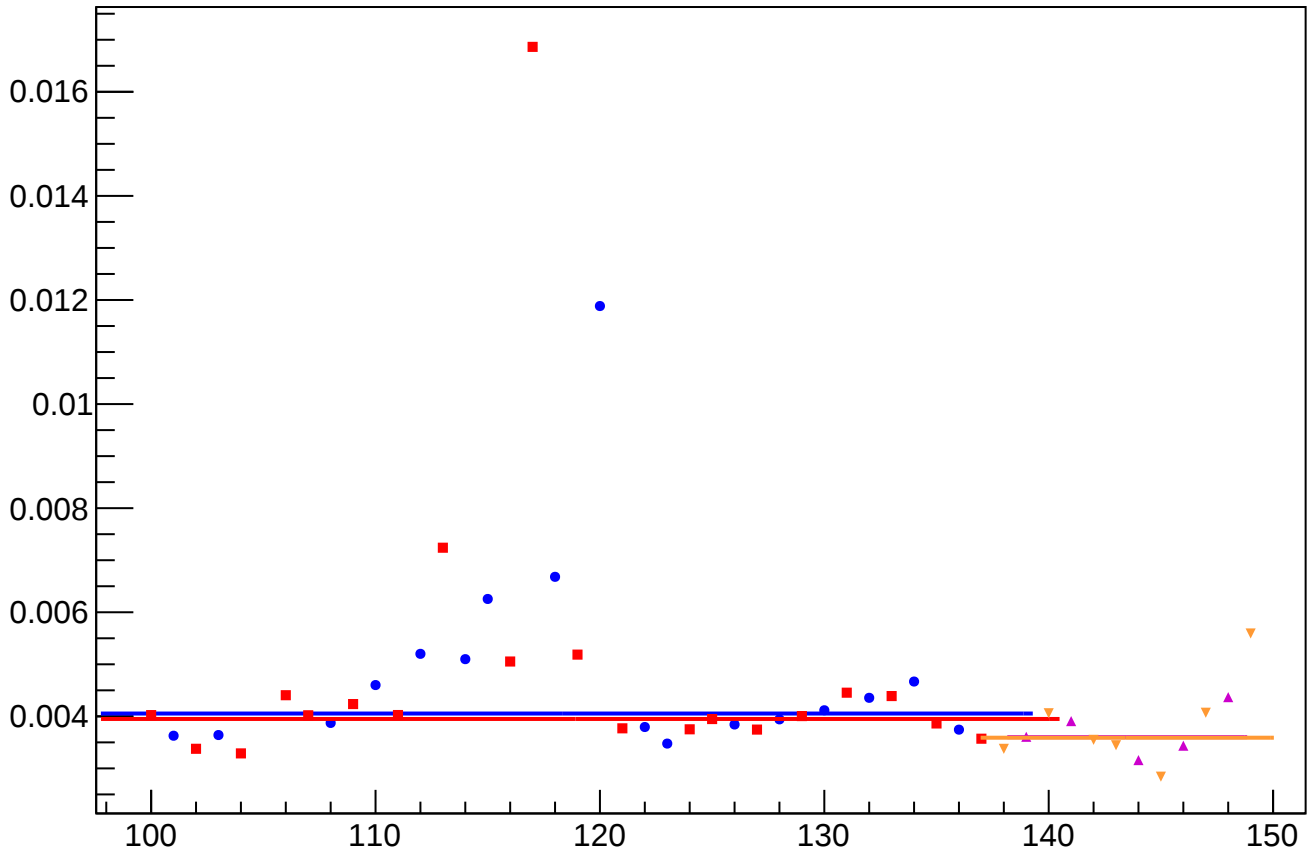
Left In: 0.349+/-0.000 χ^2/NDF : 1889455241.4/4

0.352+/-0.000 χ^2/NDF : 10871312487.2/23

0.345+/-0.000 χ^2/NDF : 24663804865.3/4

0.339+/-0.000 χ^2/NDF : 13732401820.8/24

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

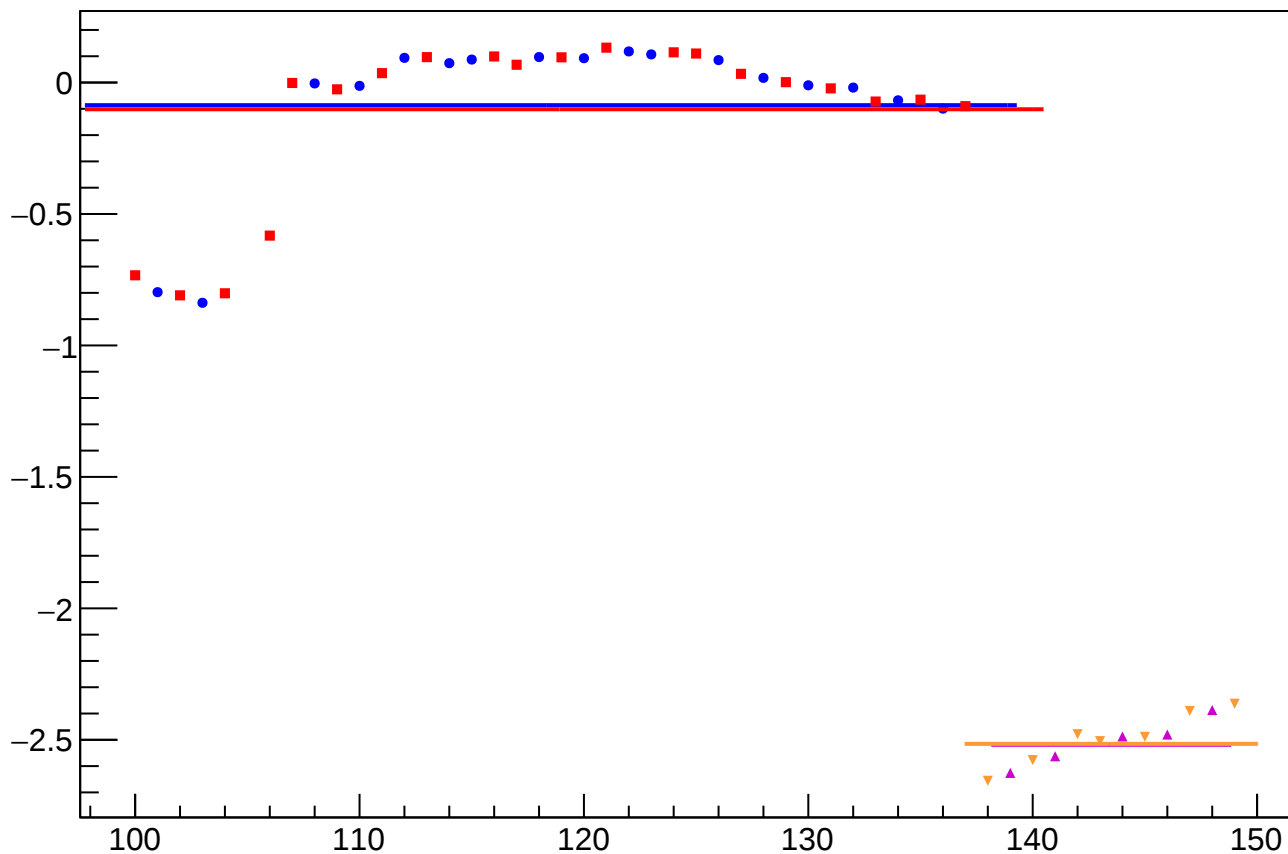
Left In: 0.004+/-0.000 χ^2/NDF :84533.3/4

0.004+/-0.000 χ^2/NDF : 836366.8/23

0.004+/-0.000 χ^2/NDF : 1264170.8/48

0.004+/-0.000 χ^2/NDF : 427445.5/24

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

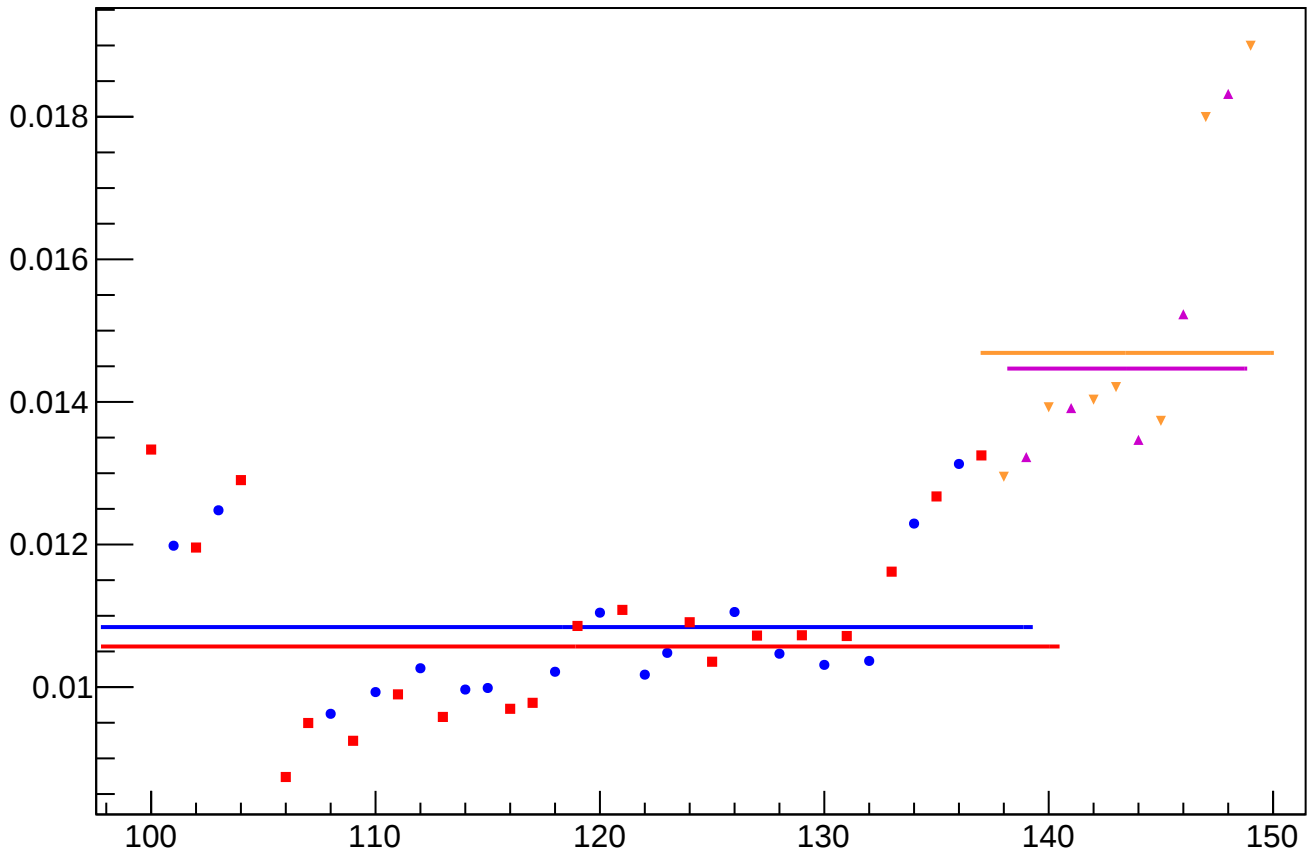
Left In: -2.519+/-0.000 χ^2/NDF : 104593831.0/4

-0.778+/-0.000 χ^2/NDF : 100125731867.7/23

-0.716+/-0.000 χ^2/NDF : 191048458323.4

-0.656+/-0.000 χ^2/NDF : 90324410163.8/24

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

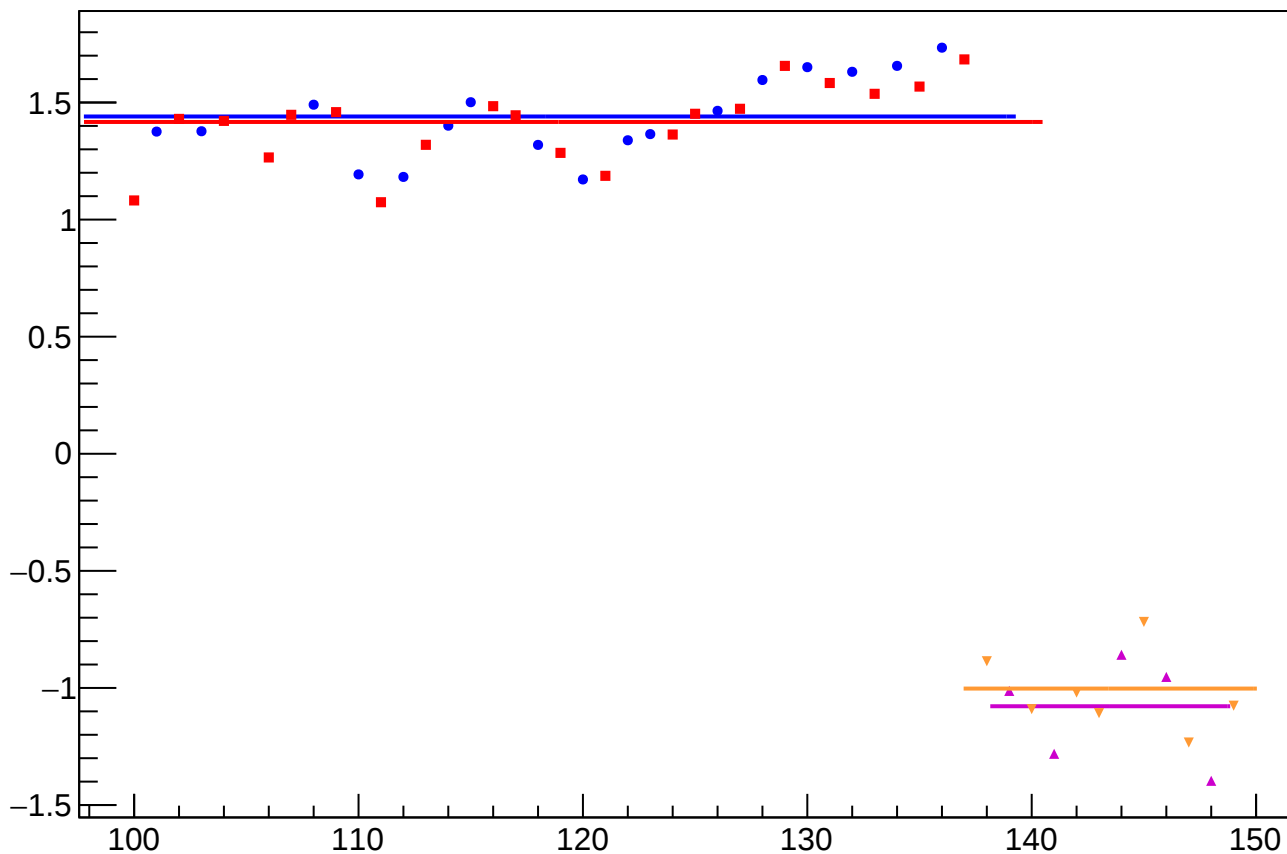
Left In: 0.014+/-0.000 χ^2/NDF : 99429.6/4

0.012+/-0.000 χ^2/NDF : 776376.0/23

0.012+/-0.000 χ^2/NDF : 1513742.0/48

0.011+/-0.000 χ^2/NDF : 719303.1/24

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

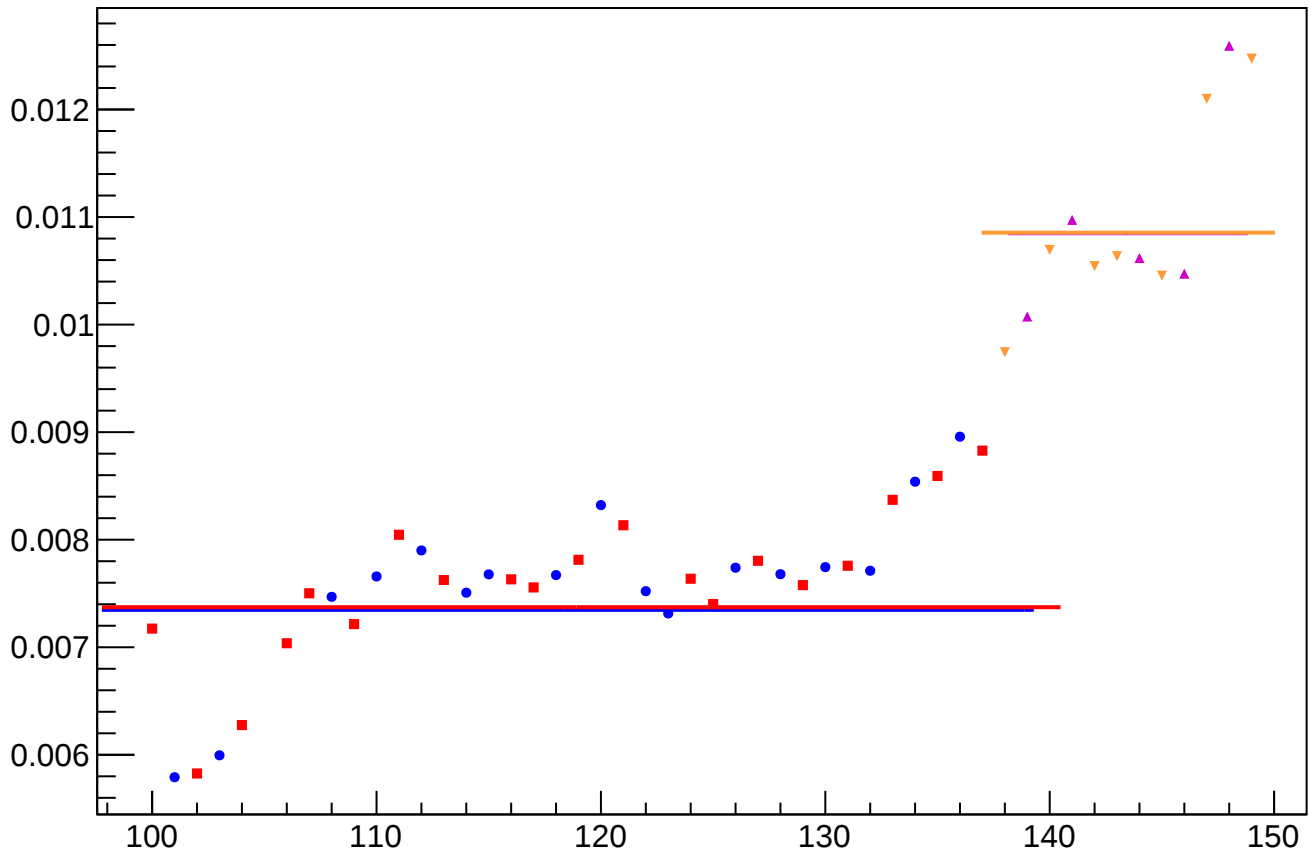
Left In: -1.078 $\pm$ 0.000 χ^2 /NDF: 1312060914.8/4

0.816 $\pm$ 0.000 χ^2 /NDF: 190574296567.9/23

0.860 $\pm$ 0.000 χ^2 /NDF: 361682752325.2/

0.903 $\pm$ 0.000 χ^2 /NDF: 170491474201.9/24

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

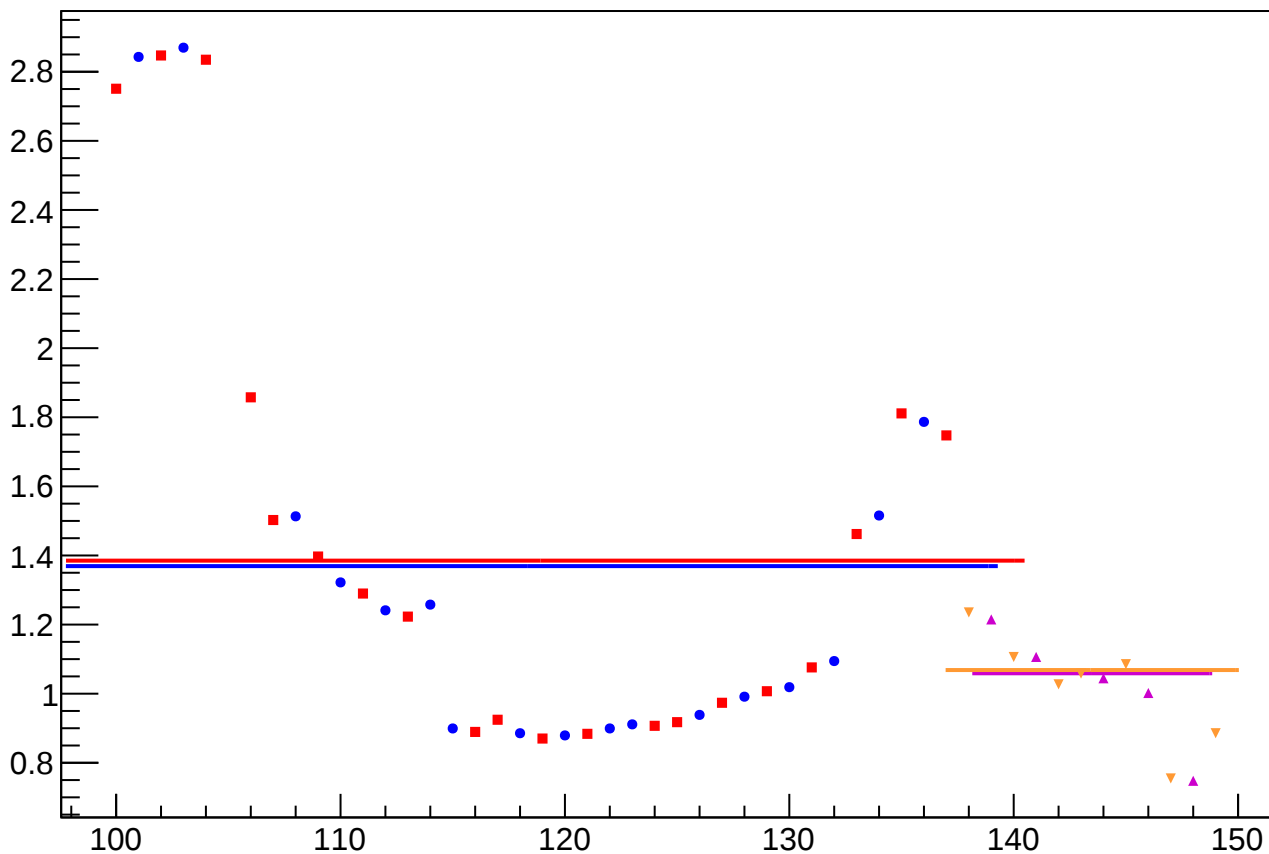
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 41888.1/4

0.008 $\pm$ 0.000 χ^2/NDF : 1061327.0/23

0.008 $\pm$ 0.000 χ^2/NDF : 1926686.1/48

0.008 $\pm$ 0.000 χ^2/NDF : 861413.6/24

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

Right Out: 1.385+/-0.000 χ^2/NDF : 50114562617.6/19

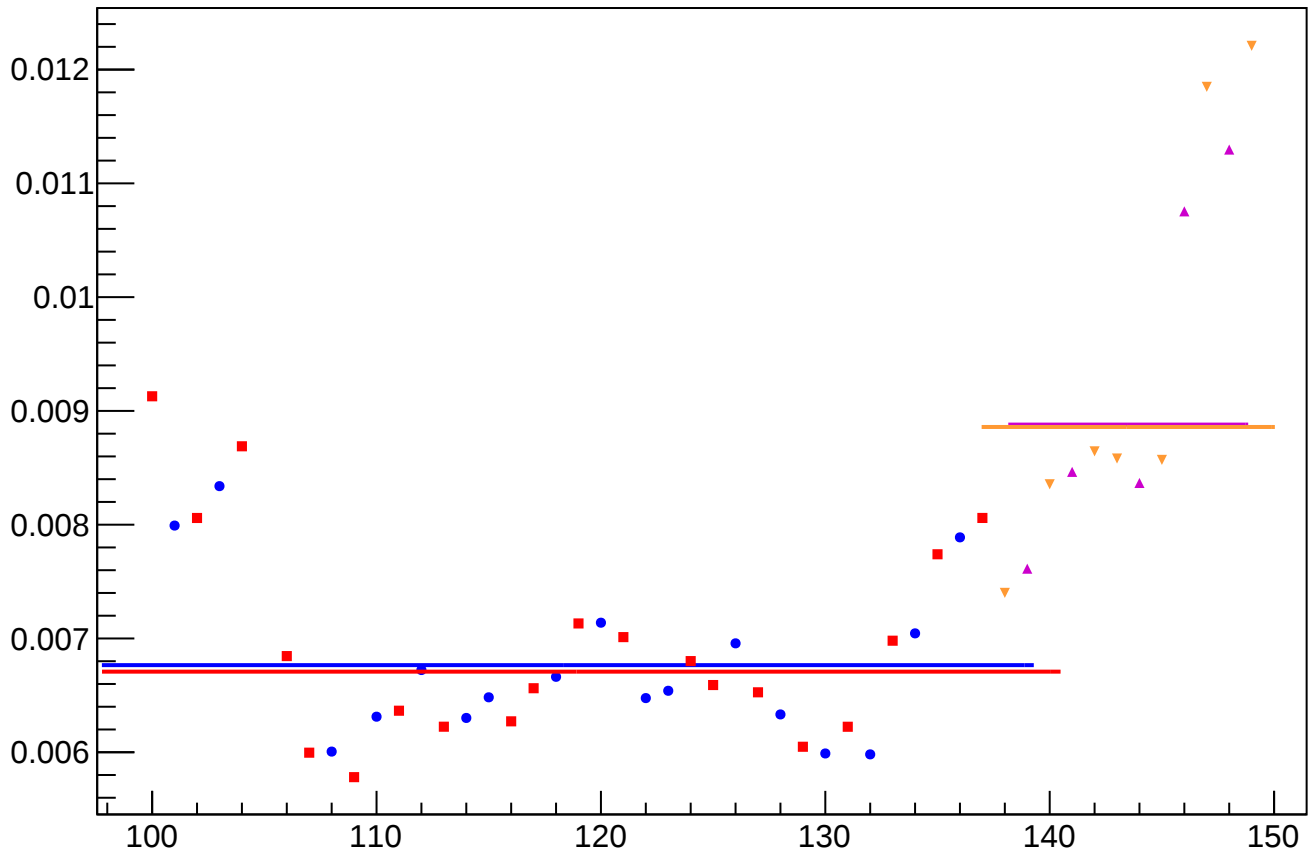
Left In: 1.059+/-0.000 χ^2/NDF : 907863419.8/4

1.282+/-0.000 χ^2/NDF : 59029476283.4/23

1.296+/-0.000 χ^2/NDF : 113988045635.7/23

1.309+/-0.000 χ^2/NDF : 54884461759.0/24

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 159554.9/16

Left Out: 0.009+/-0.000 χ^2/NDF : 264958.9/6

Right Out: 0.007+/-0.000 χ^2/NDF : 187869.7/19

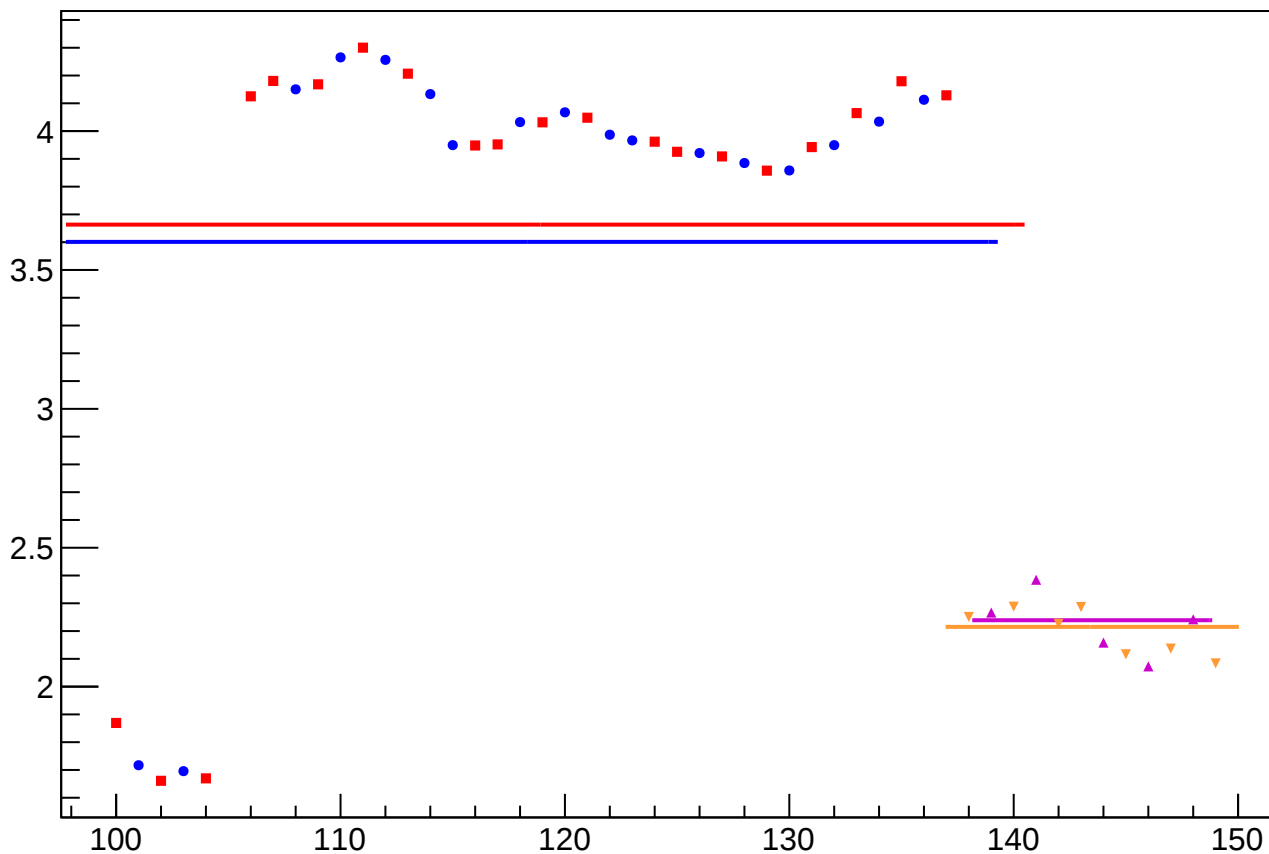
Left In: 0.009+/-0.000 χ^2/NDF : 159873.1/4

0.007+/-0.000 χ^2/NDF : 789849.6/23

0.007+/-0.000 χ^2/NDF : 1485173.7/48

0.007+/-0.000 χ^2/NDF : 690294.4/24

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

Right Out: 3.663 $\pm$ 0.000 χ^2/NDF : 192640409625.9/19

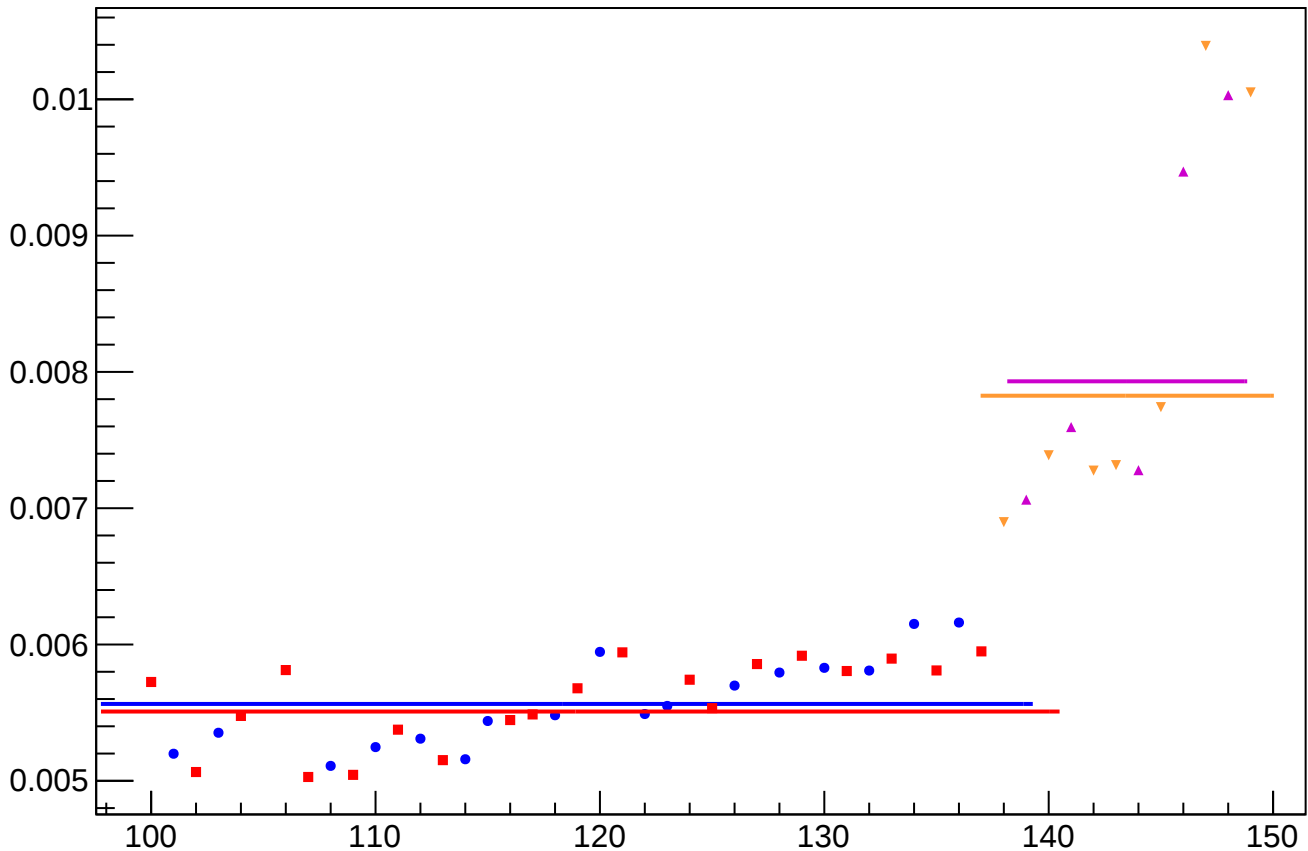
Left In: 2.239 $\pm$ 0.000 χ^2/NDF : 630890172.7/4

3.244 $\pm$ 0.000 χ^2/NDF : 293148693329.9/23

3.309 $\pm$ 0.000 χ^2/NDF : 583791031255.6/19

3.374 $\pm$ 0.000 χ^2/NDF : 288173633099.8/24

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

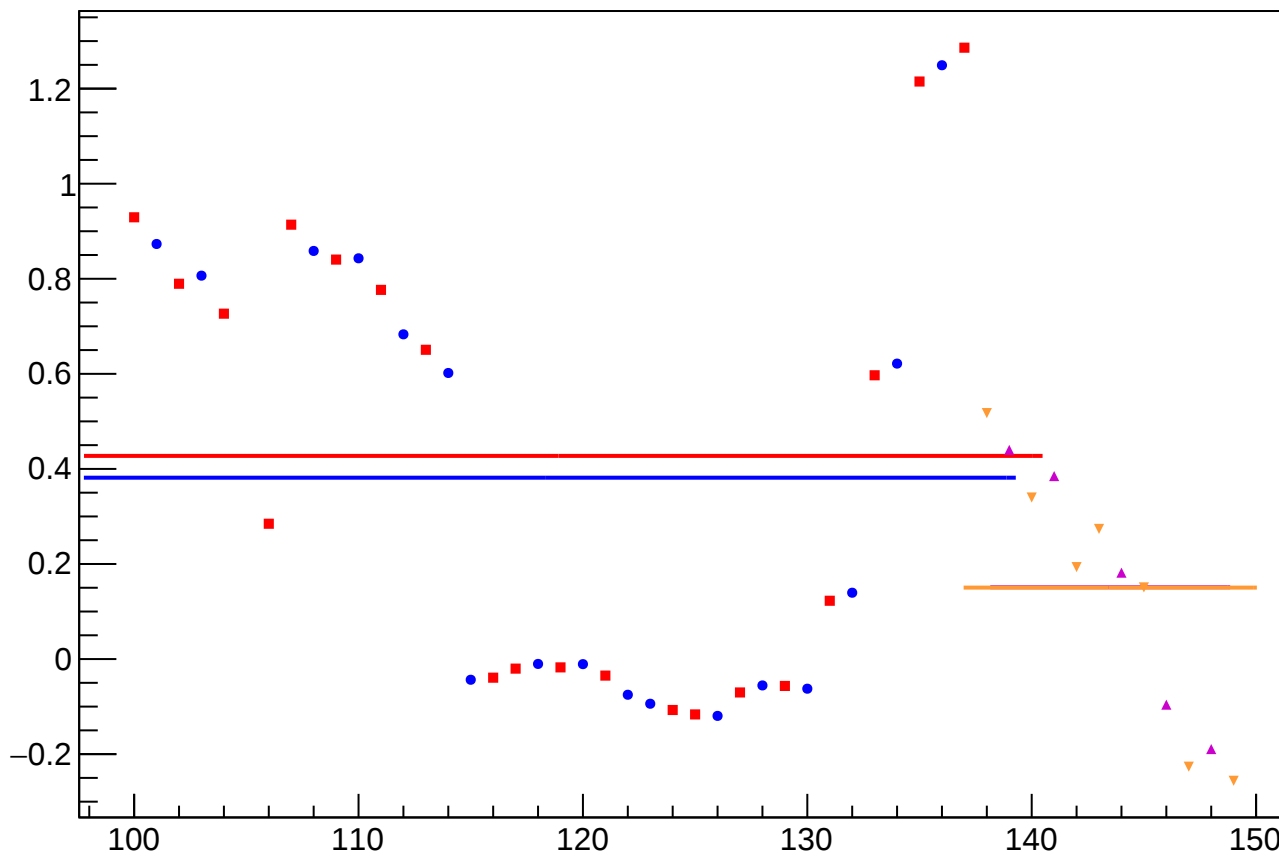
Left In: 0.008+/-0.000 χ^2/NDF :136990.7/4

0.006+/-0.000 χ^2/NDF : 813381.3/23

0.006+/-0.000 χ^2/NDF : 1558464.0/48

0.006+/-0.000 χ^2/NDF : 738803.5/24

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.382+/-0.000 χ^2/NDF : 7124759123.1/16

Left Out: 0.150+/-0.000 χ^2/NDF :1336307522.0/6

Right Out: 0.427+/-0.000 χ^2/NDF : 6716521382.4/19

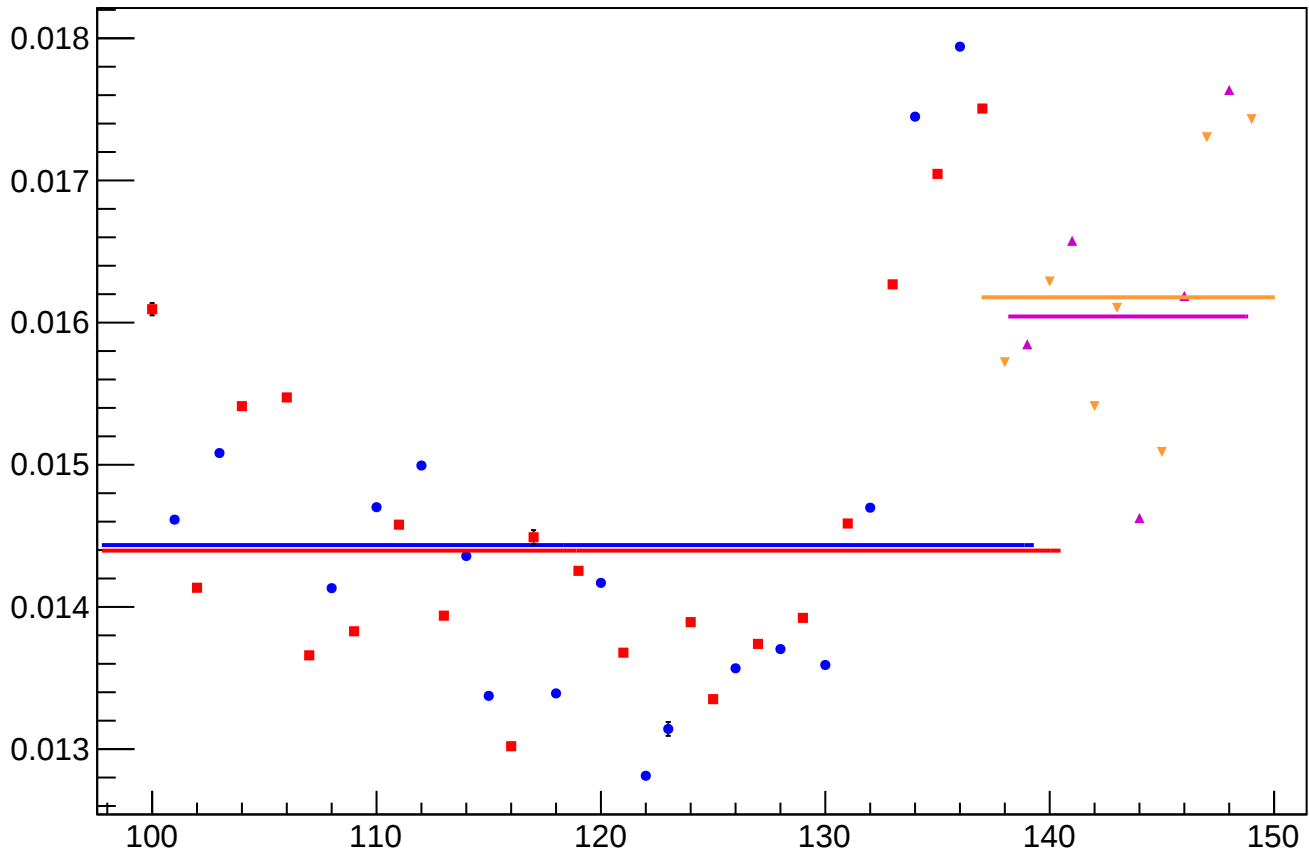
Left In: 0.151+/-0.000 χ^2/NDF :876615351.4/4

0.296+/-0.000 χ^2/NDF : 9090428017.4/23

0.318+/-0.000 χ^2/NDF : 17537869148.1/4

0.341+/-0.000 χ^2/NDF : 8396541275.5/24

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 110224.4/16

Left Out: 0.016 $\pm$ 0.000 χ^2/NDF : 25914.5/6

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 74535.1/19

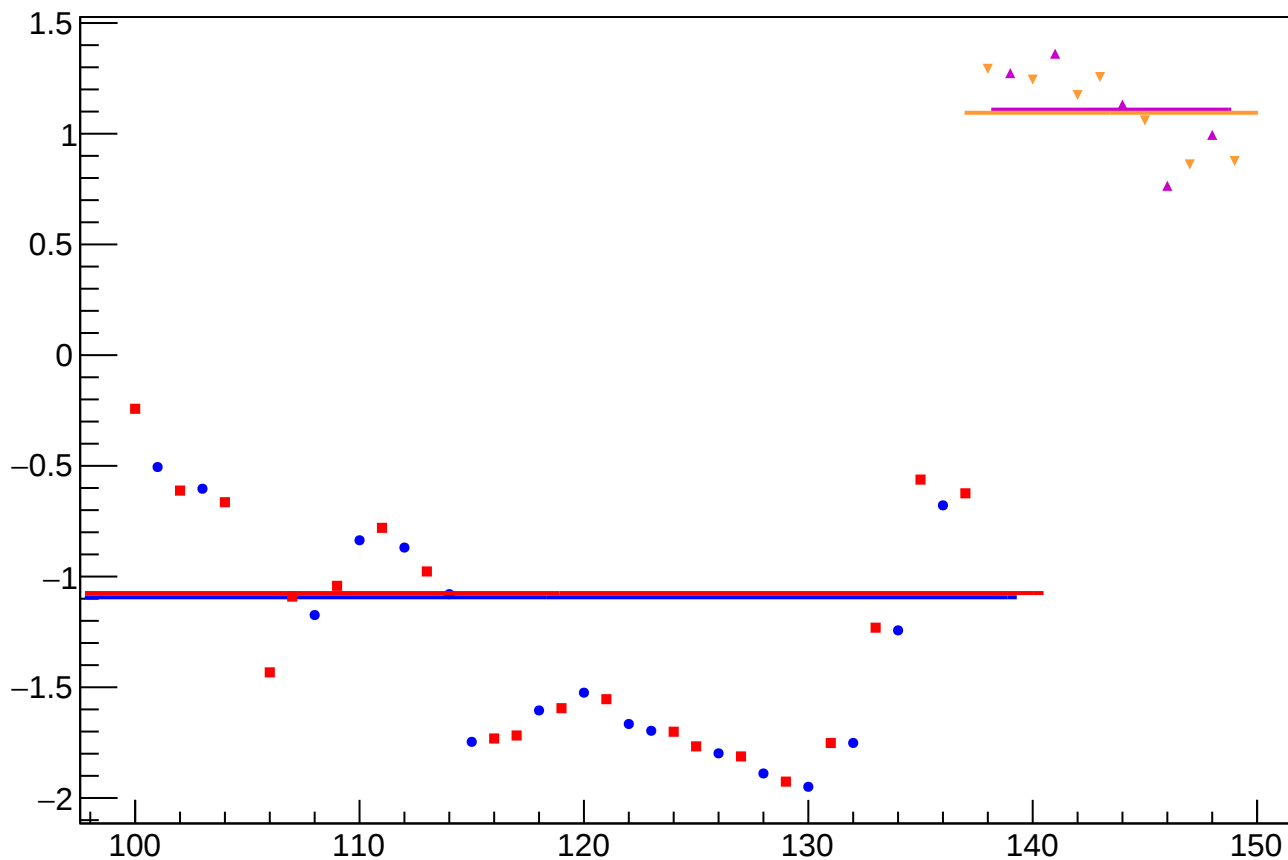
Left In: 0.016 $\pm$ 0.000 χ^2/NDF : 31014.2/4

0.015 $\pm$ 0.000 χ^2/NDF : 207684.9/23

0.015 $\pm$ 0.000 χ^2/NDF : 371743.5/48

0.015 $\pm$ 0.000 χ^2/NDF : 162615.0/24

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

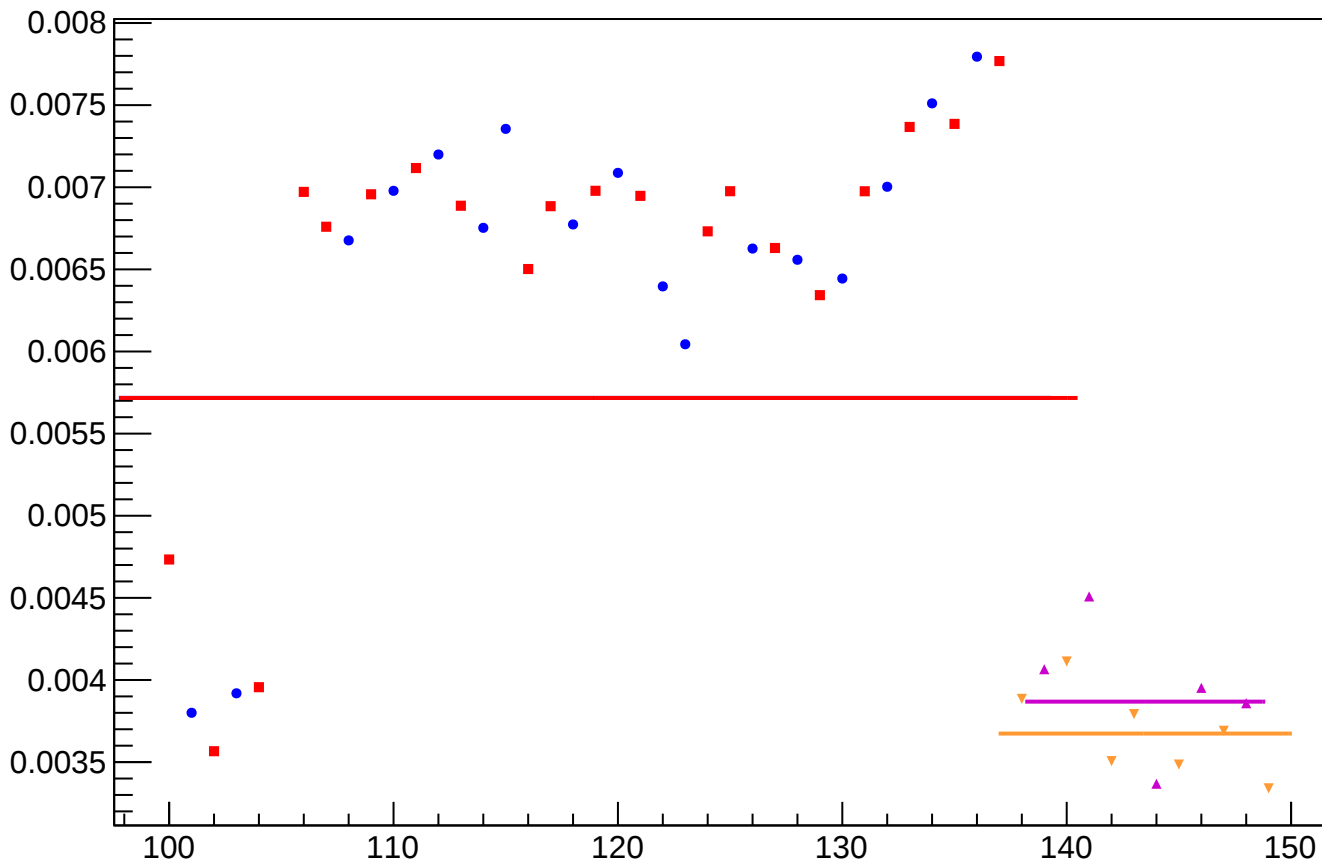
Left In: 1.109+/-0.000 χ^2/NDF : 8611072790.2/4

0.313+/-0.000 χ^2/NDF : 624568022604.8/23

0.228+/-0.000 χ^2/NDF : 1185487592311.7

0.126+/-0.000 χ^2/NDF : 552924144362.3/24

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 837775.0/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 41975.7/6

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 925957.4/19

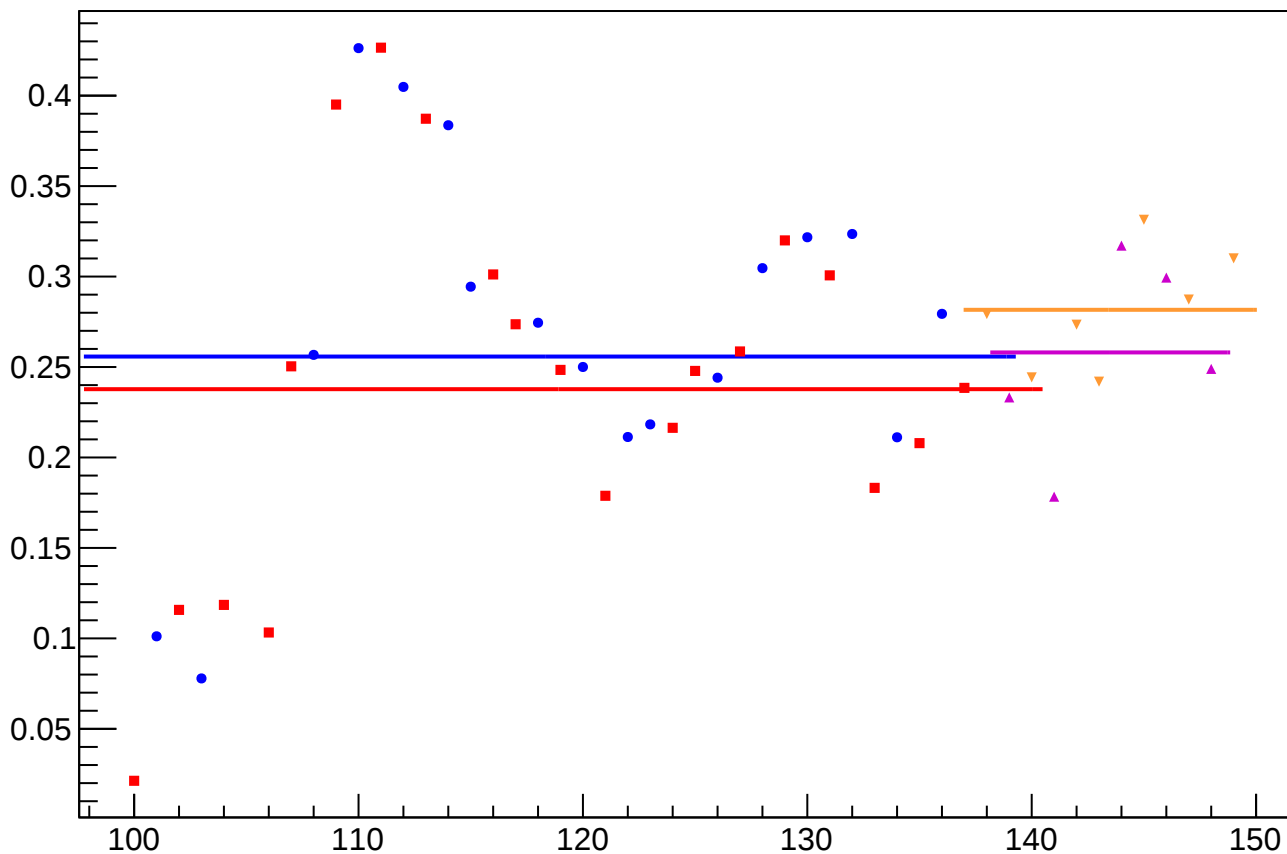
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF: 71124.9/4

0.004 $\pm$ 0.000 χ^2 /NDF: 1854991.6/23

0.005 $\pm$ 0.000 χ^2 /NDF: 3605550.0/48

0.005 $\pm$ 0.000 χ^2 /NDF: 1710153.3/24

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.256 $\pm$ 0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.282 $\pm$ 0.000 χ^2/NDF : 1767809932.1/6

Right Out: 0.238 $\pm$ 0.000 χ^2/NDF : 26077768189.7/19

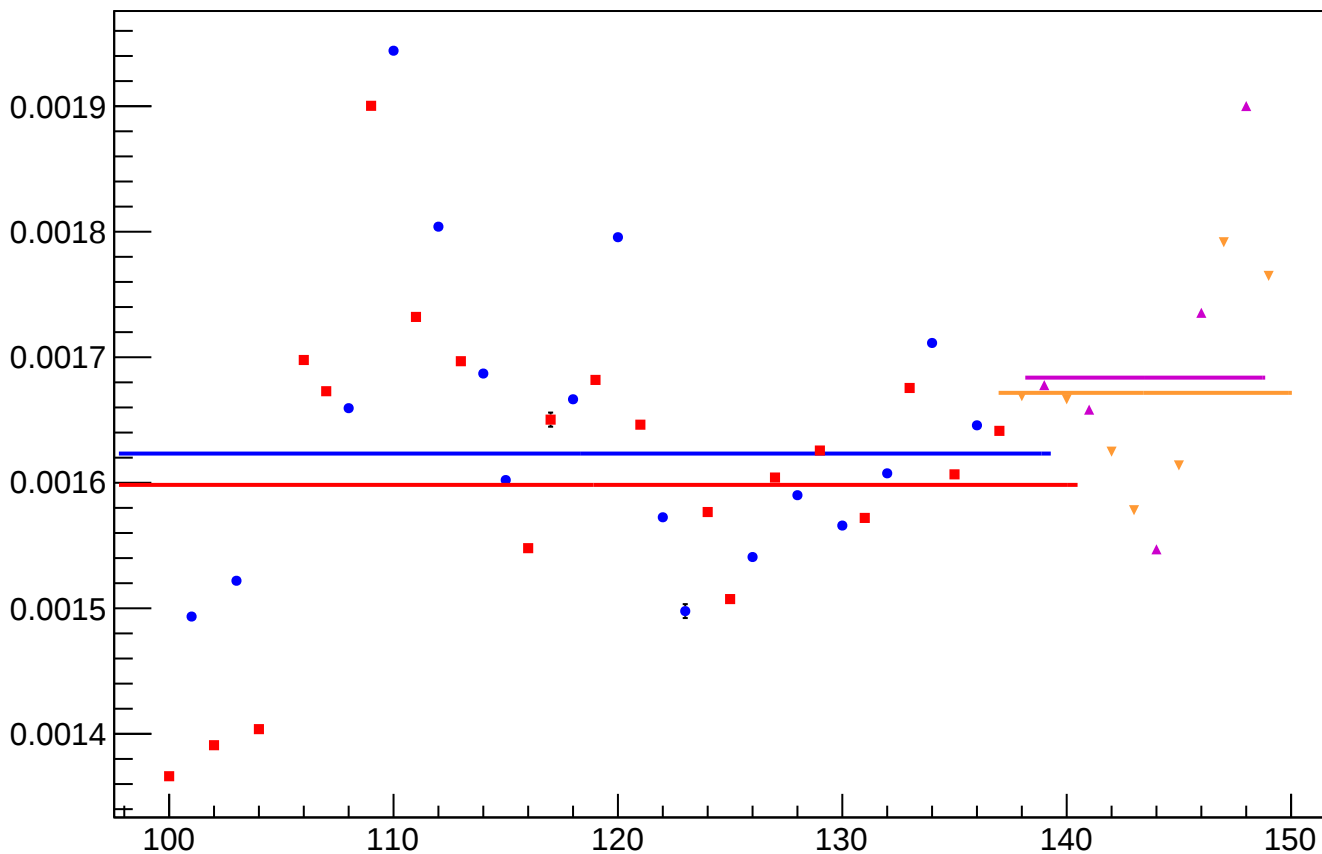
Left In: 0.258 $\pm$ 0.000 χ^2/NDF : 3807146376.4/4

0.267 $\pm$ 0.000 χ^2/NDF : 23815035527.5/23

0.256 $\pm$ 0.000 χ^2/NDF : 55086646272.6/4

0.245 $\pm$ 0.000 χ^2/NDF : 30262487108.4/24

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

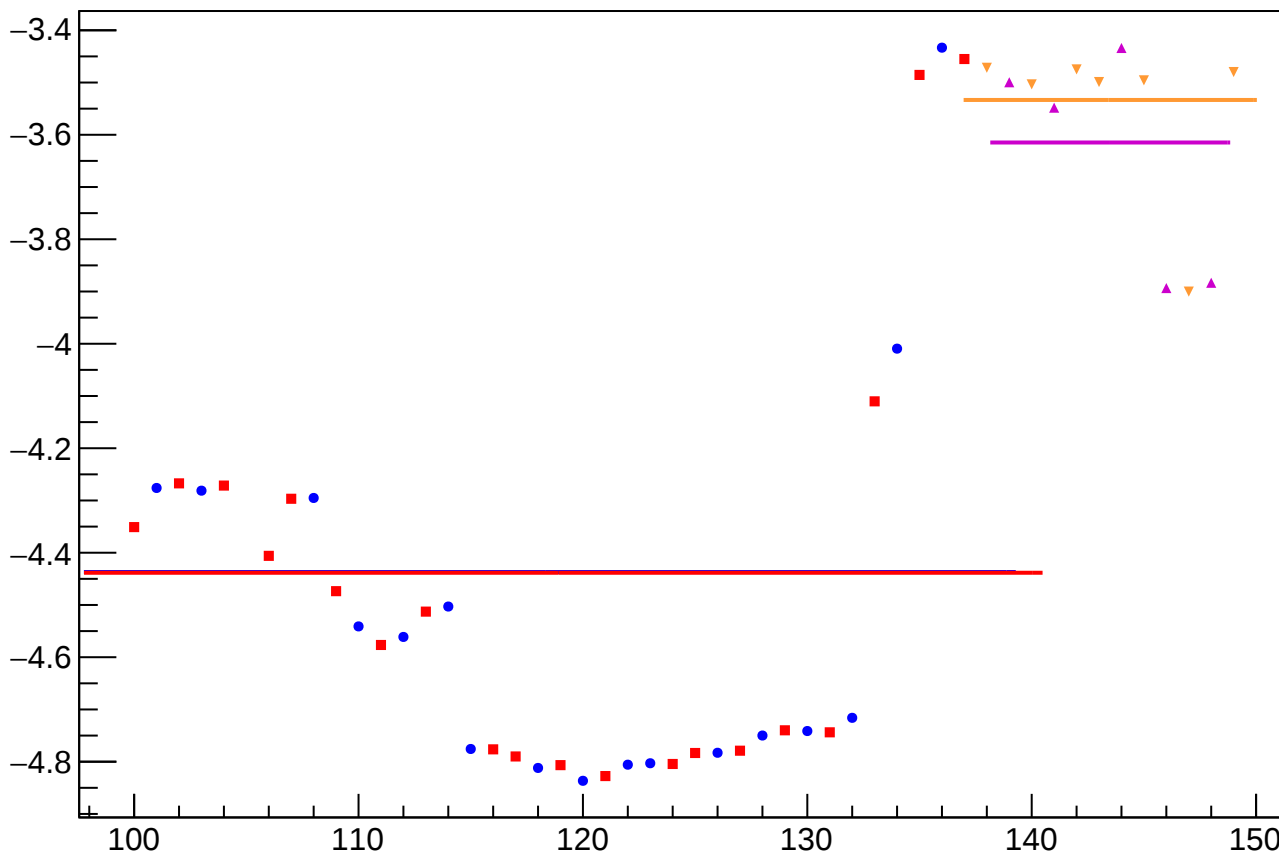
Left In: 0.002+/-0.000 χ^2/NDF : 34426.9/4

0.002+/-0.000 χ^2/NDF : 75693.5/23

0.002+/-0.000 χ^2/NDF : 215394.9/48

0.002+/-0.000 χ^2/NDF : 138555.9/24

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

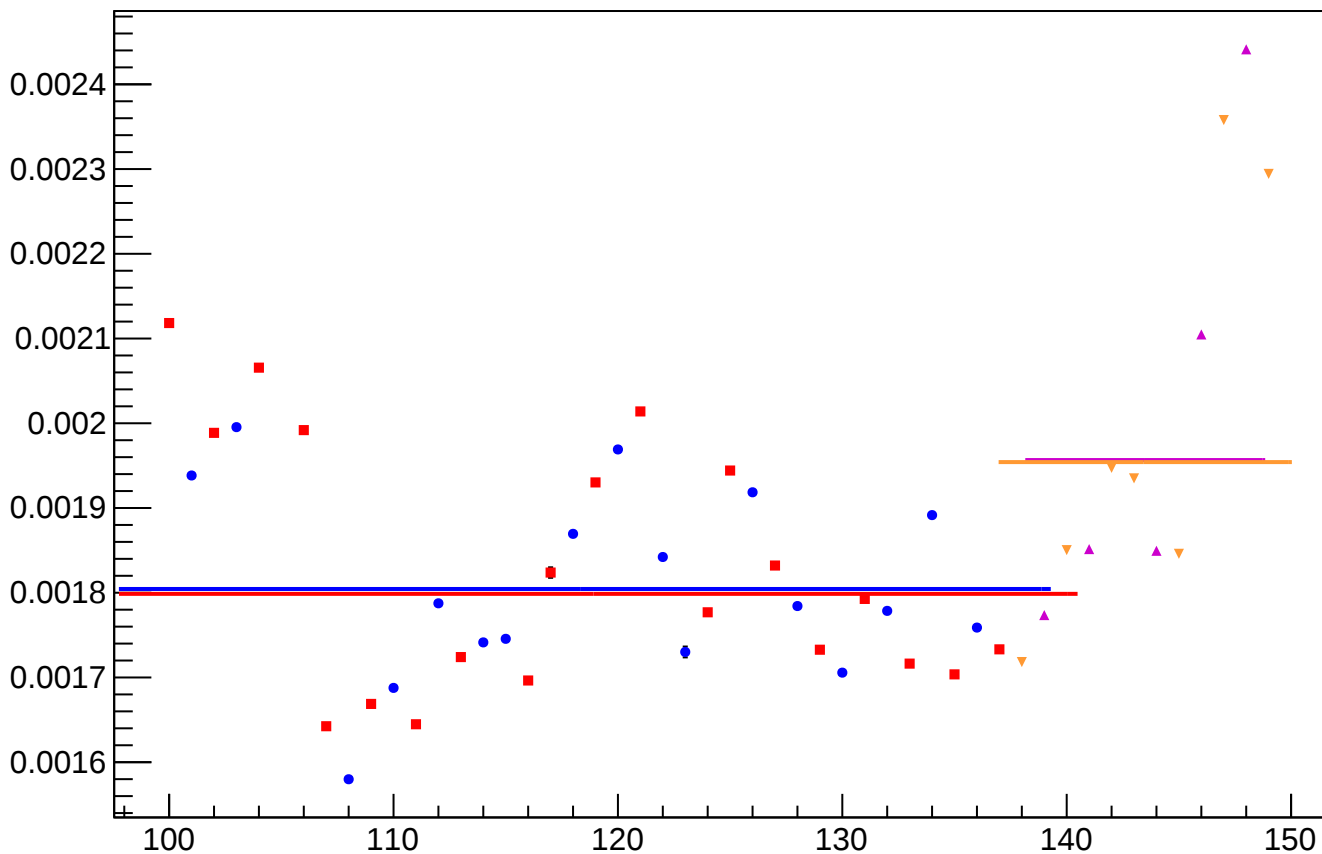
Right Out: -4.438+/-0.000 χ^2/NDF : 326800745779.7/19

-4.132+/-0.000 χ^2/NDF : 1874713594587.

-4.175+/-0.000 χ^2/NDF : 825431857229.6/24

Left In: -3.615+/-0.000 χ^2/NDF : 35023280774.8/4

yield_bpm2i01Y_rms vs Slug, 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

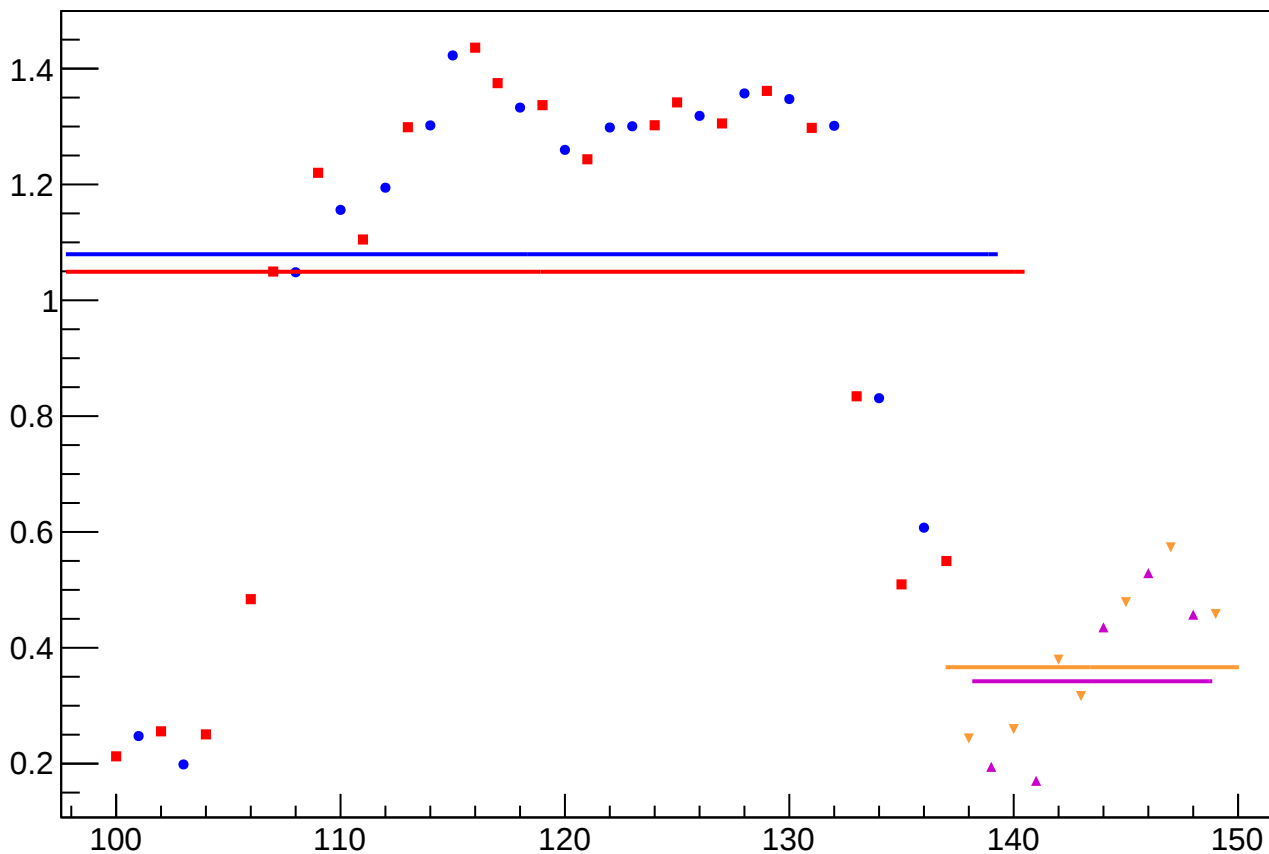
Left In: 0.002+/-0.000 χ^2/NDF :95005.2/4

0.002+/-0.000 χ^2/NDF : 198332.3/23

0.002+/-0.000 χ^2/NDF : 408968.8/48

0.002+/-0.000 χ^2/NDF : 210132.0/24

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

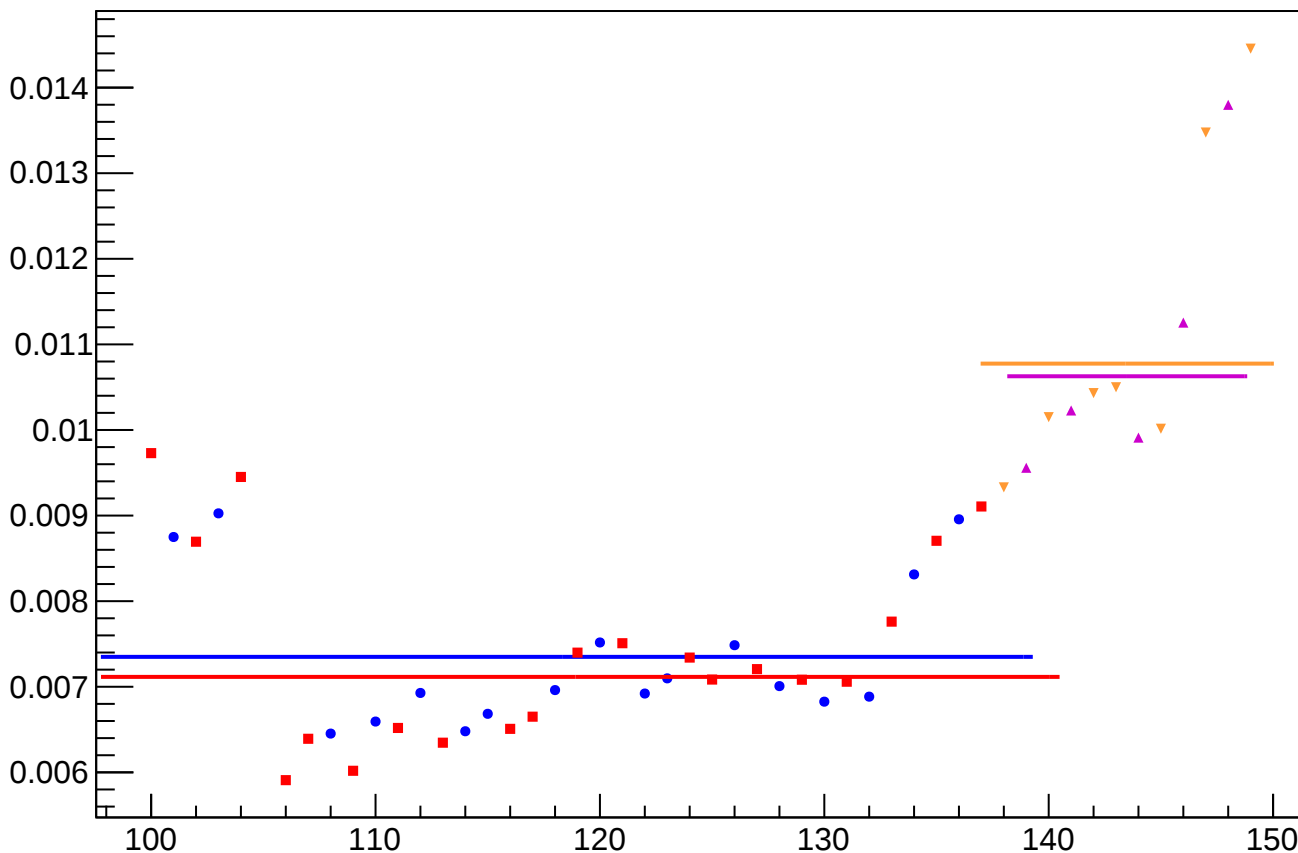
Left In: 0.342 $\pm$ 0.000 χ^2/NDF : 752137843.9/4

0.898 $\pm$ 0.000 χ^2/NDF : 33860775760.0/23

0.903 $\pm$ 0.000 χ^2/NDF : 68283788141.9/4

0.908 $\pm$ 0.000 χ^2/NDF : 34415866508.2/24

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

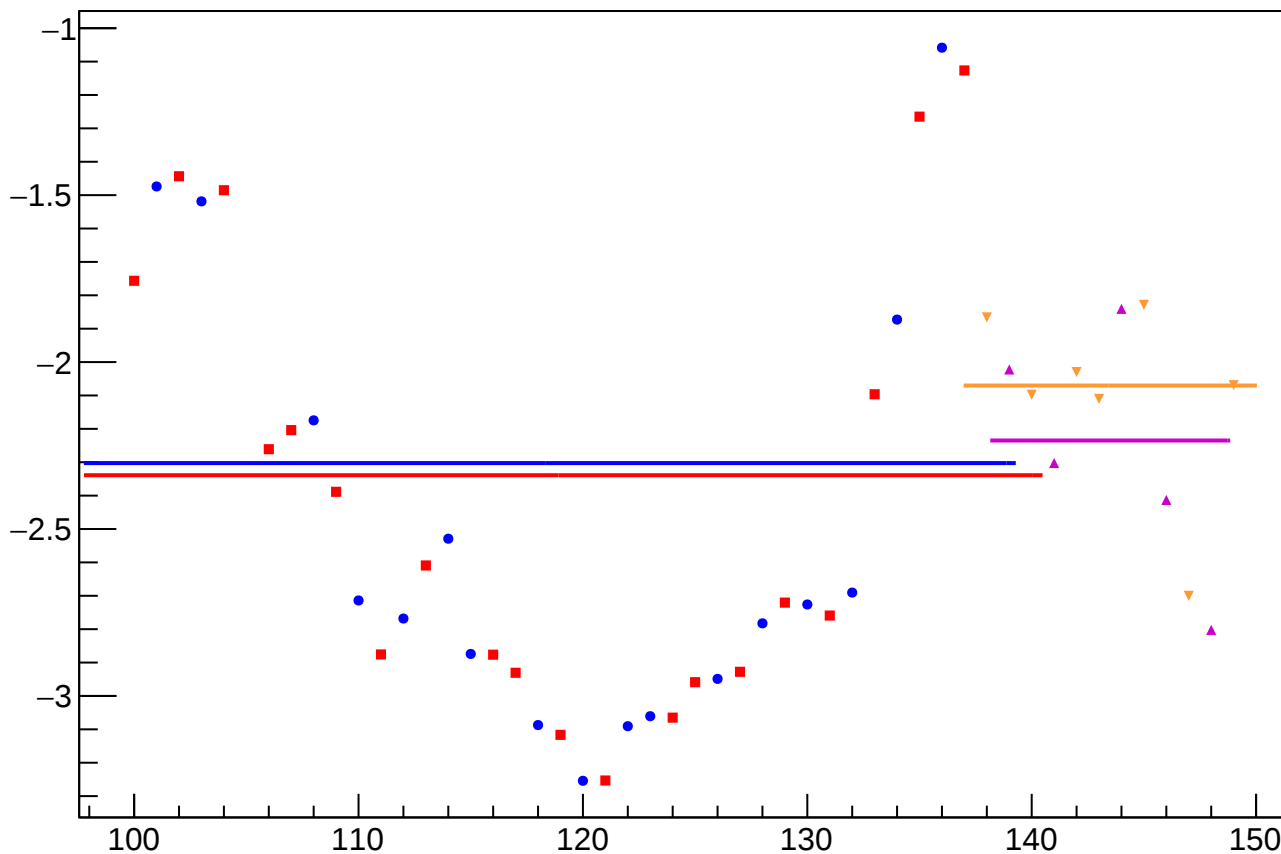
Left In: 0.011+/-0.000 χ^2/NDF :118235.3/4

0.008+/-0.000 χ^2/NDF : 1127060.4/23

0.008+/-0.000 χ^2/NDF : 2216660.0/48

0.008+/-0.000 χ^2/NDF : 1062561.9/24

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

Right Out: -2.339 ± 0.000 χ^2/NDF : 64804828308.5/19

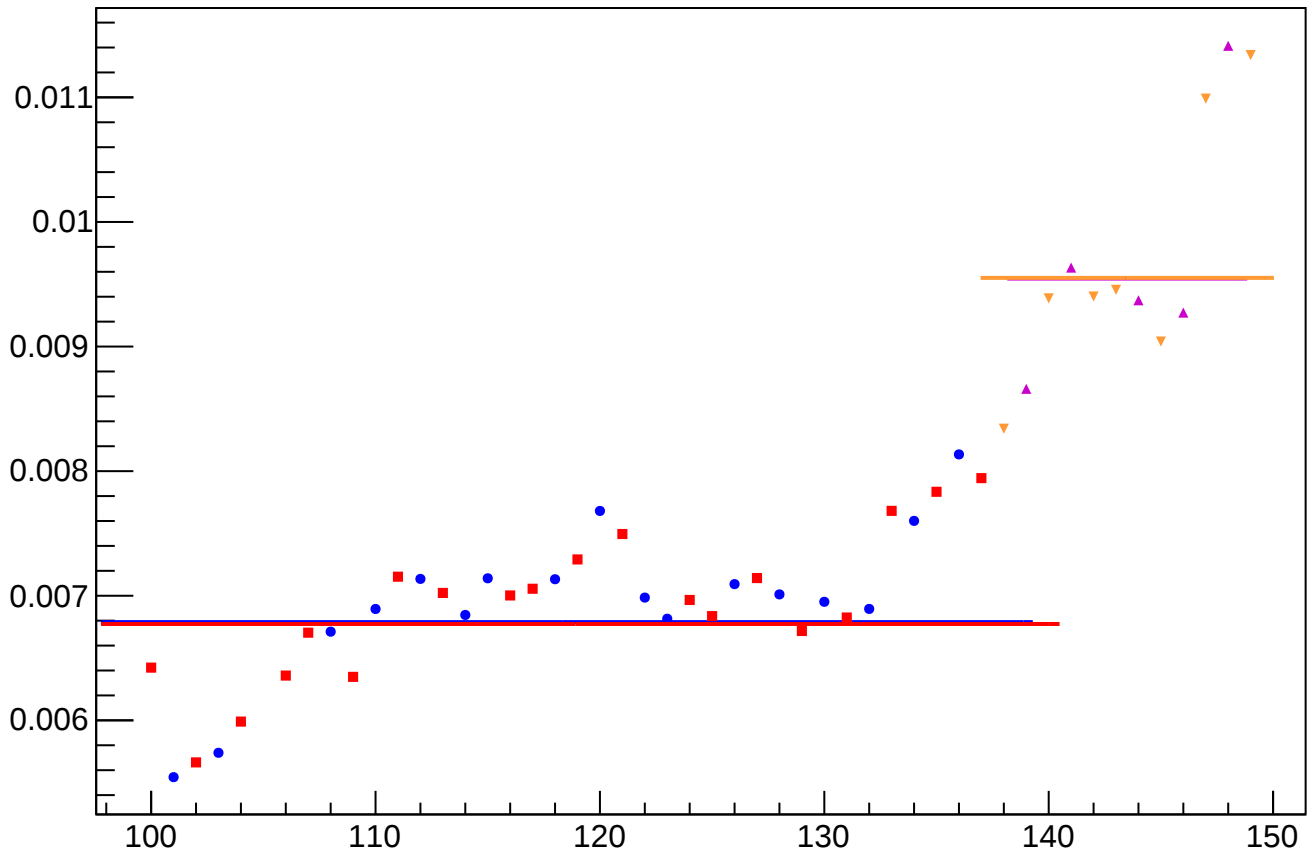
Left In: -2.235 ± 0.000 χ^2/NDF : 4246129233.7/4

-2.239 ± 0.000 χ^2/NDF : 79455959661.2/23

-2.278 ± 0.000 χ^2/NDF : 149458165290.4

-2.316 ± 0.000 χ^2/NDF : 69417865762.1/24

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

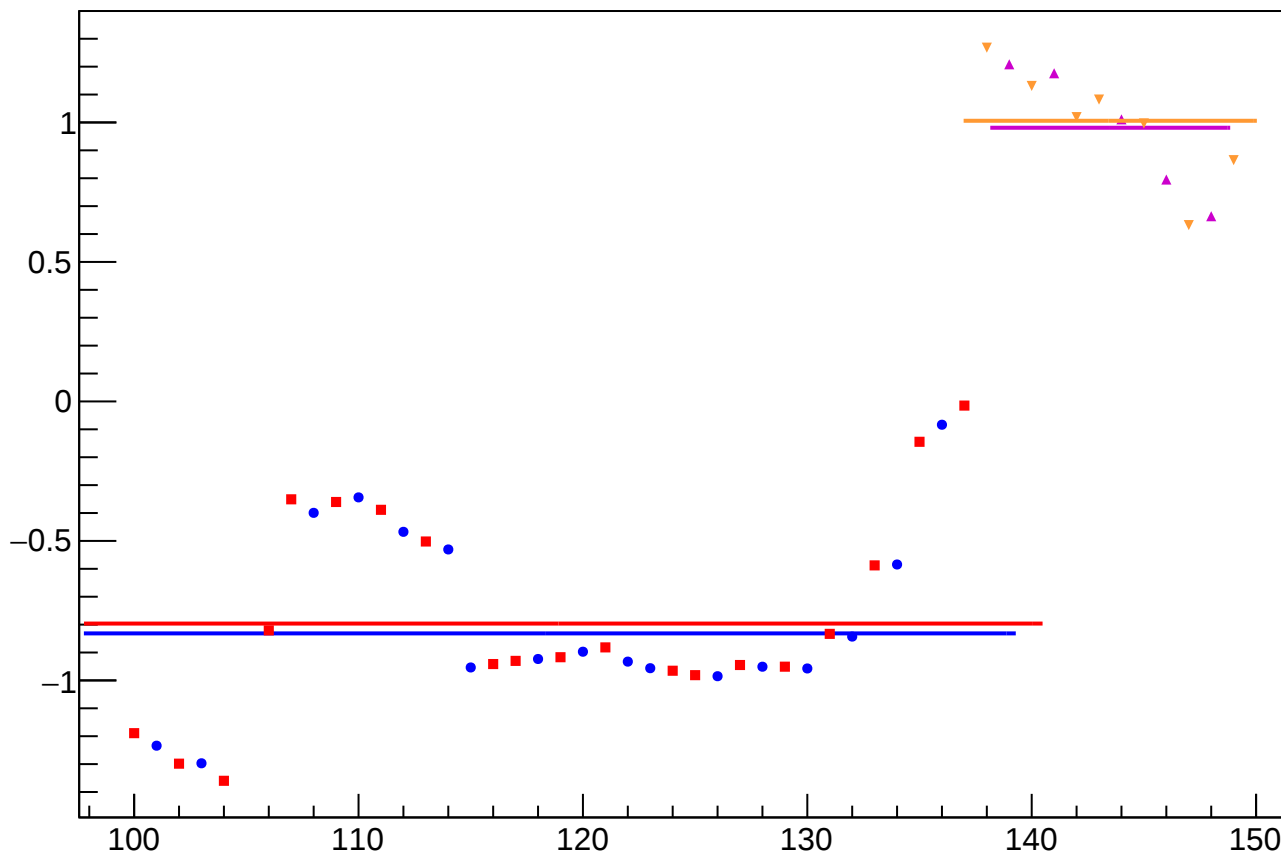
Left In: 0.010+/-0.000 χ^2/NDF : 59257.1/4

0.008+/-0.000 χ^2/NDF : 867388.7/23

0.007+/-0.000 χ^2/NDF : 1576618.9/48

0.007+/-0.000 χ^2/NDF : 704194.8/24

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

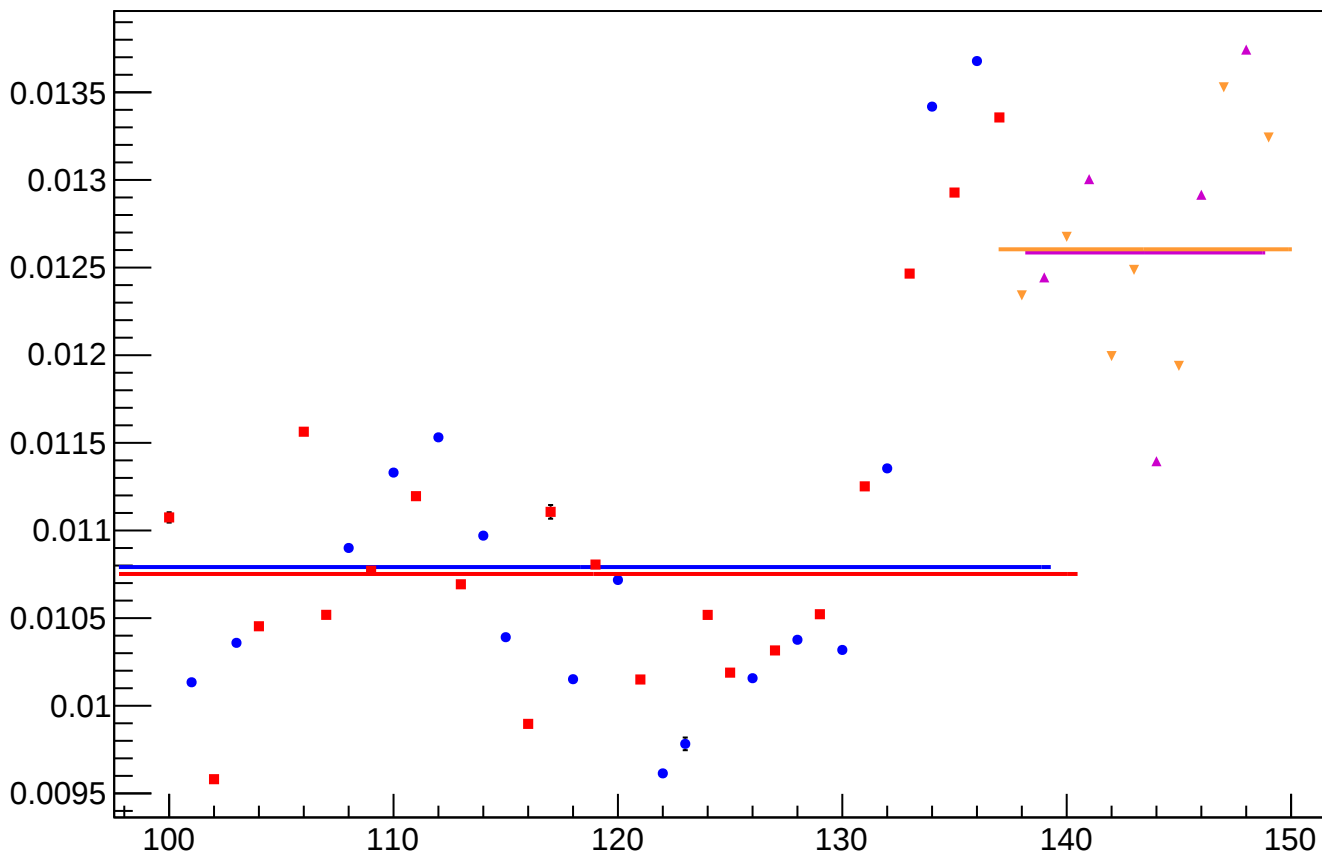
Left In: 0.981 ± 0.000 χ^2/NDF : 995704437.1/4

-0.185 ± 0.000 χ^2/NDF : 74799031672.0/23

-0.232 ± 0.000 χ^2/NDF : 139048739951.3

-0.280 ± 0.000 χ^2/NDF : 63862966865.3/24

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

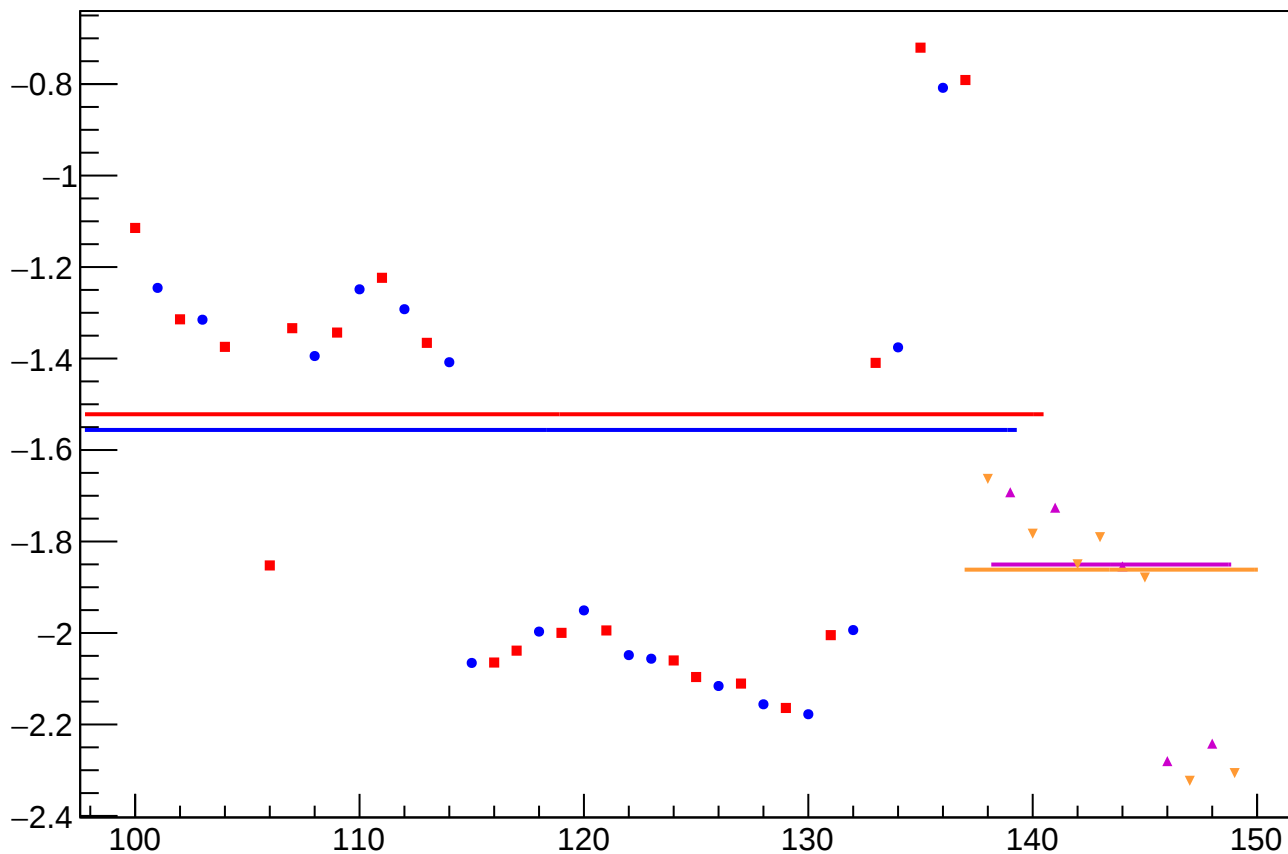
Left In: 0.013+/-0.000 χ^2/NDF : 32524.1/4

0.011+/-0.000 χ^2/NDF : 274539.0/23

0.011+/-0.000 χ^2/NDF : 516401.3/48

0.011+/-0.000 χ^2/NDF : 240070.6/24

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

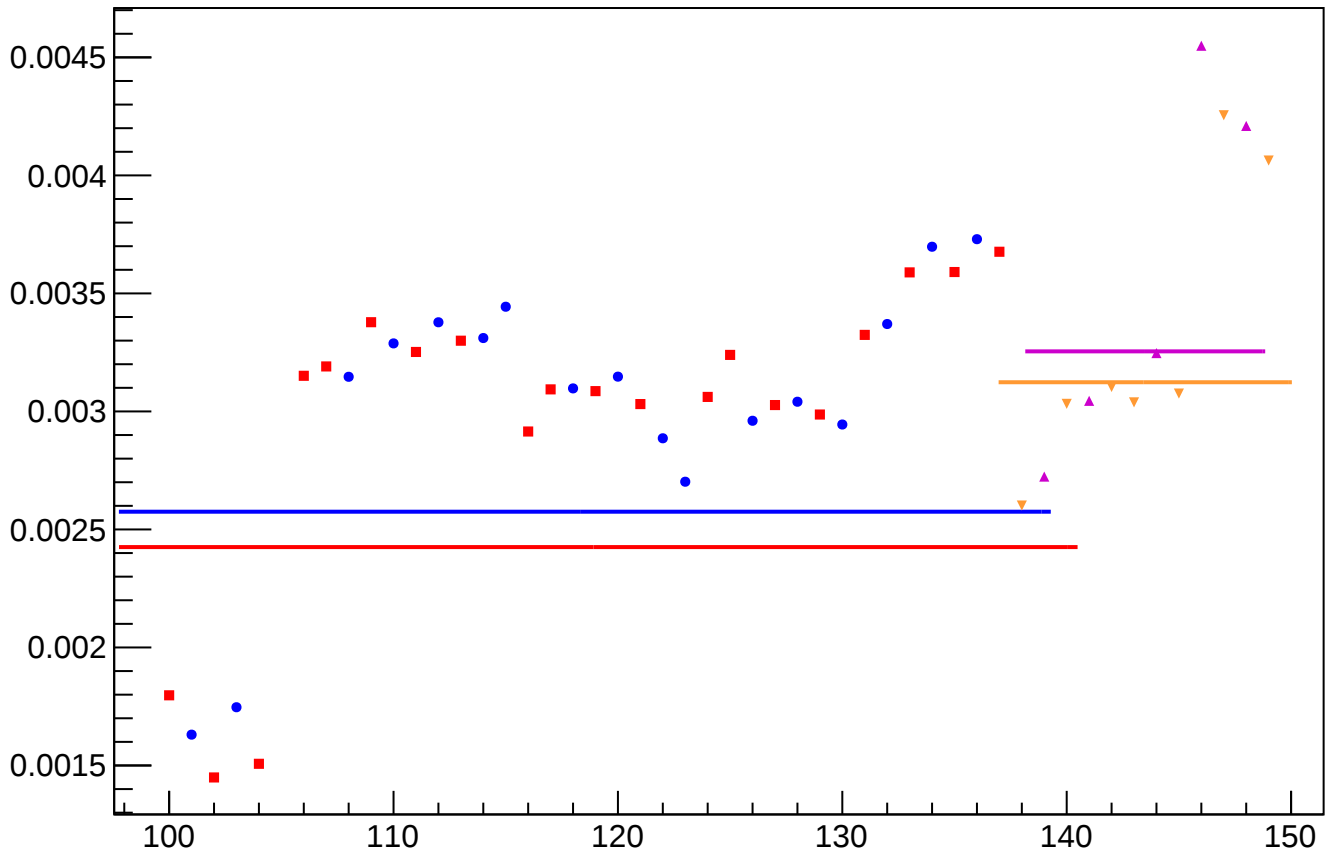
Left In: -1.850+/-0.000 χ^2/NDF : 13442530702.5/4

-1.658+/-0.000 χ^2/NDF : 200867503341.0/23

-1.630+/-0.000 χ^2/NDF : 380955279168.3

-1.601+/-0.000 χ^2/NDF : 177980865392.8/24

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003 $\pm$ 0.000 χ^2/NDF : 1013833.9/16

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF : 207494.5/6

Right Out: 0.002 $\pm$ 0.000 χ^2/NDF : 1493210.7/19

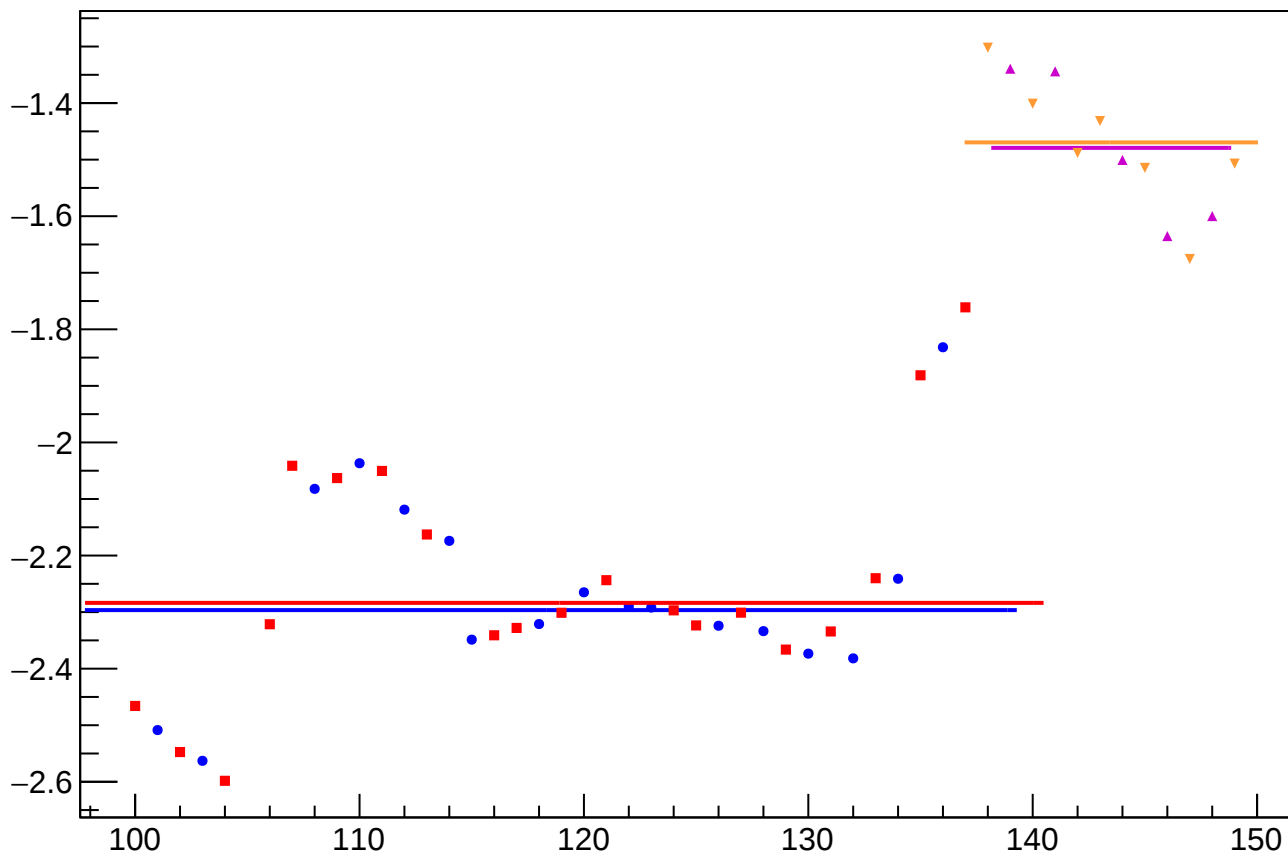
Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 202868.1/4

0.003 $\pm$ 0.000 χ^2/NDF : 1392955.5/23

0.003 $\pm$ 0.000 χ^2/NDF : 3432440.3/48

0.003 $\pm$ 0.000 χ^2/NDF : 2016574.4/24

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

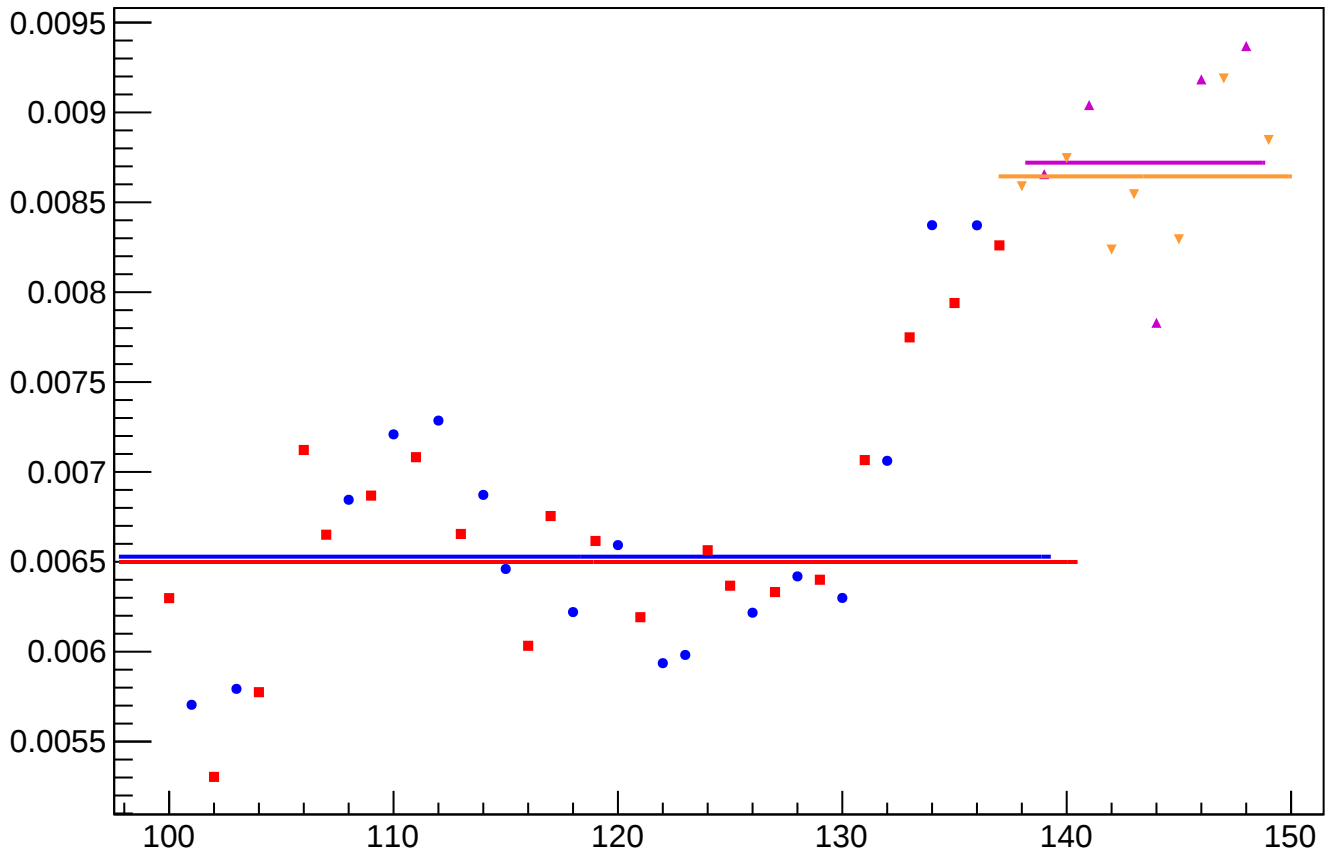
Left In: -1.479+/-0.000 χ^2/NDF : 701187735.3/4

-2.052+/-0.000 χ^2/NDF : 37233086986.0/23

-2.072+/-0.000 χ^2/NDF : 69370207267.1/4

-2.094+/-0.000 χ^2/NDF : 31948796588.8/24

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

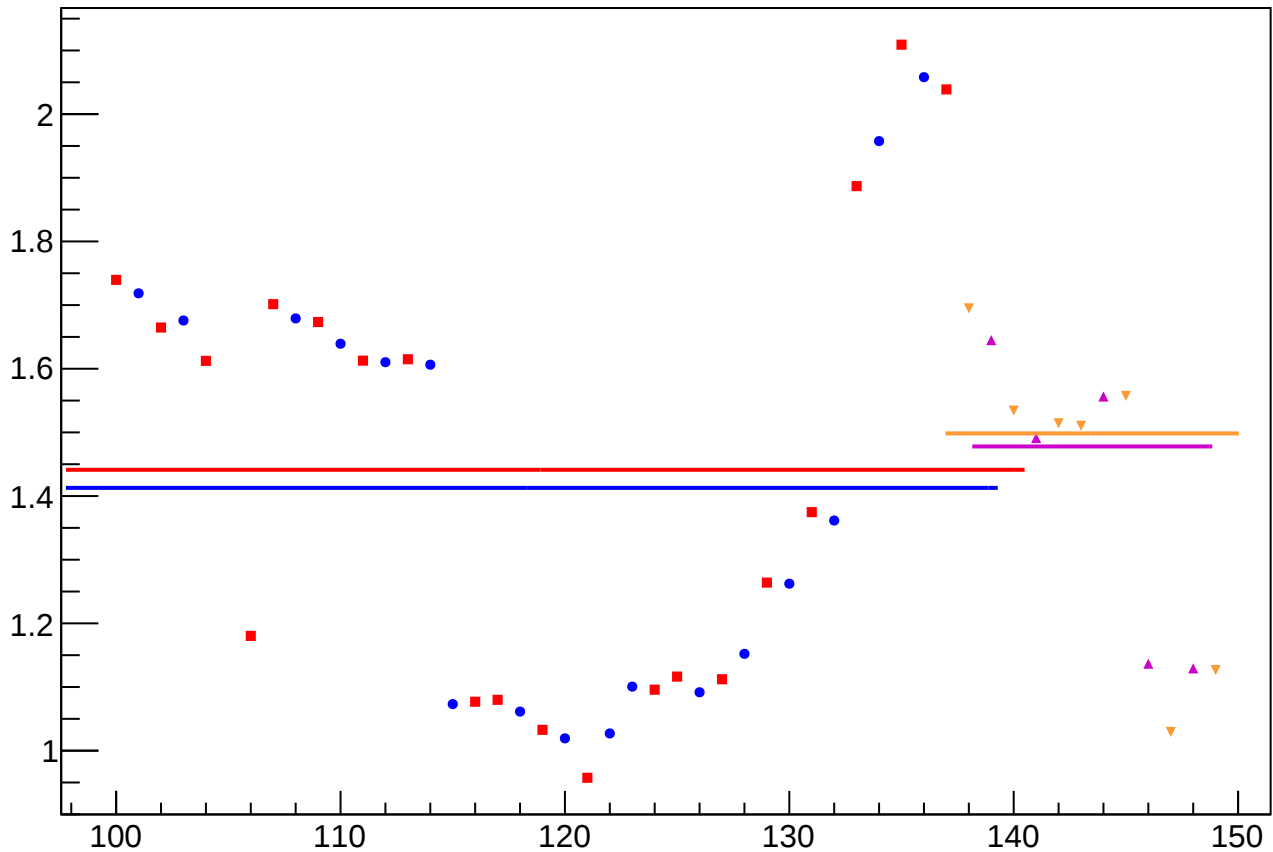
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 34725.3/4

0.007 $\pm$ 0.000 χ^2/NDF : 589452.7/23

0.007 $\pm$ 0.000 χ^2/NDF : 1168746.9/48

0.007 $\pm$ 0.000 χ^2/NDF : 575619.8/24

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

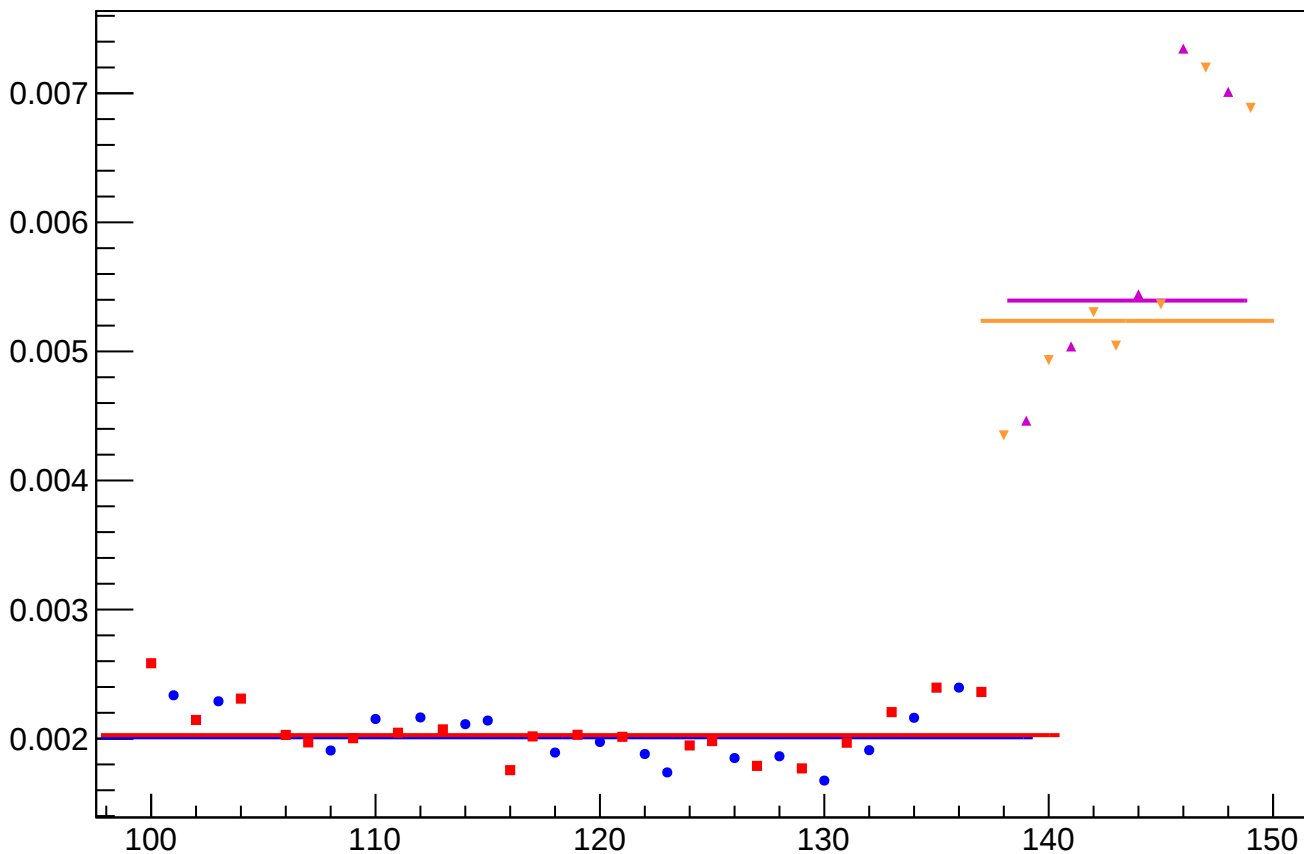
Left In: 1.478+/-0.000 χ^2/NDF : 3928771532.2/4

1.421+/-0.000 χ^2/NDF : 179601754336.5/23

1.432+/-0.000 χ^2/NDF : 358468587790.7/7

1.444+/-0.000 χ^2/NDF : 178421993013.0/24

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

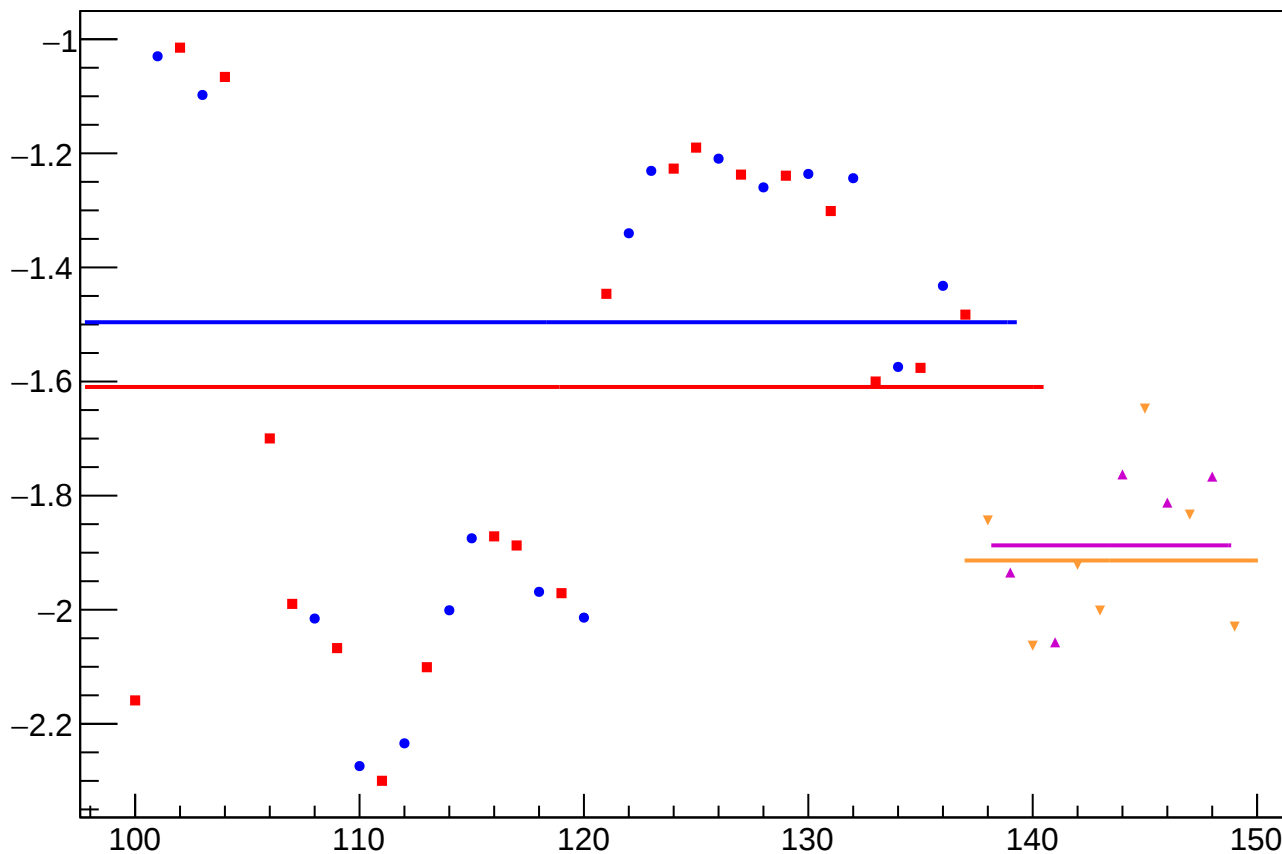
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 214025.0/4

0.002 $\pm$ 0.000 χ^2 /NDF: 3359909.6/23

0.002 $\pm$ 0.000 χ^2 /NDF: 6153482.1/48

0.002 $\pm$ 0.000 χ^2 /NDF: 2788677.7/24

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

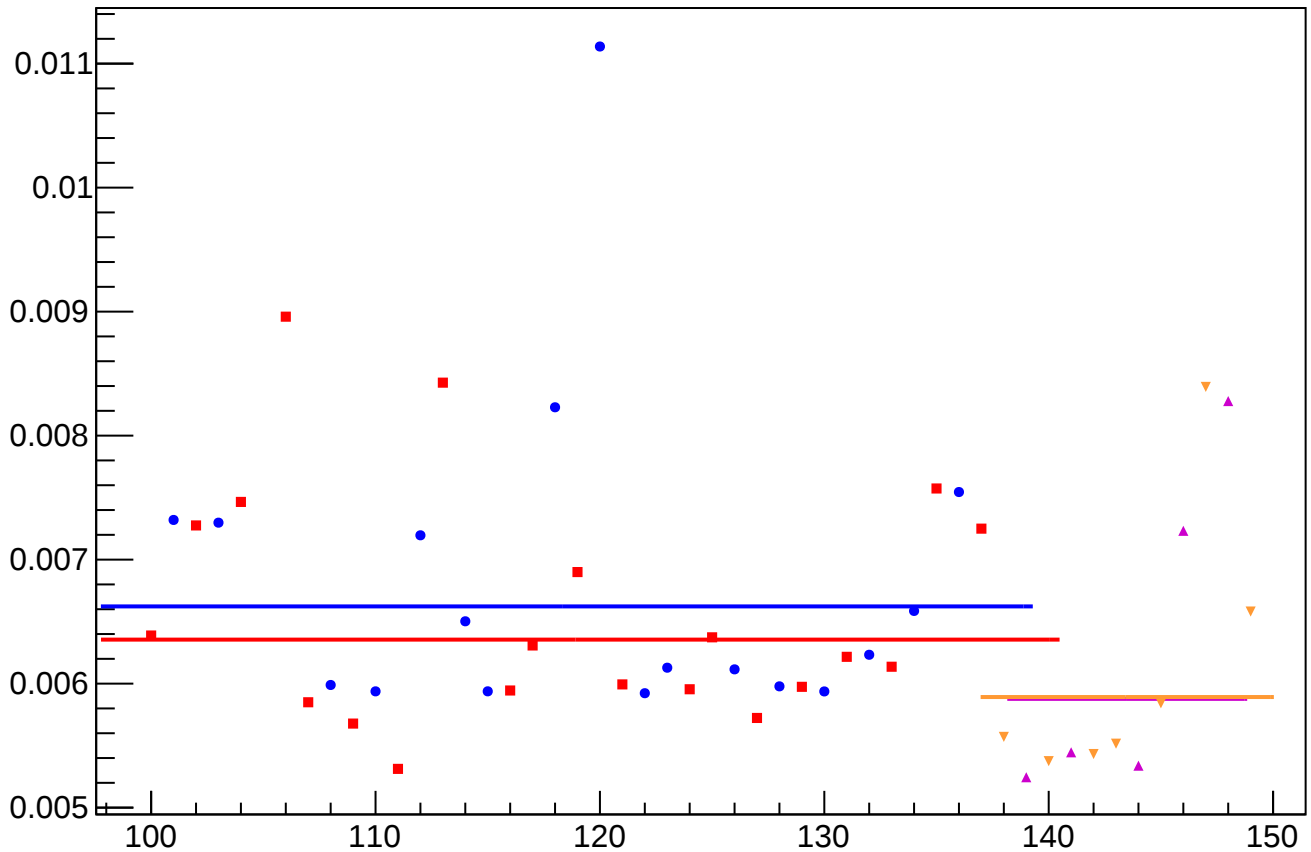
Left In: -1.887+/-0.000 χ^2/NDF : 1531229441.6/4

-1.701+/-0.000 χ^2/NDF : 37053722865.3/23

-1.709+/-0.000 χ^2/NDF : 71467419191.6/4

-1.718+/-0.000 χ^2/NDF : 34375388188.2/24

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 232630.4/16

Left Out: 0.006 $\pm$ 0.000 χ^2/NDF : 171527.4/6

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 227865.9/19

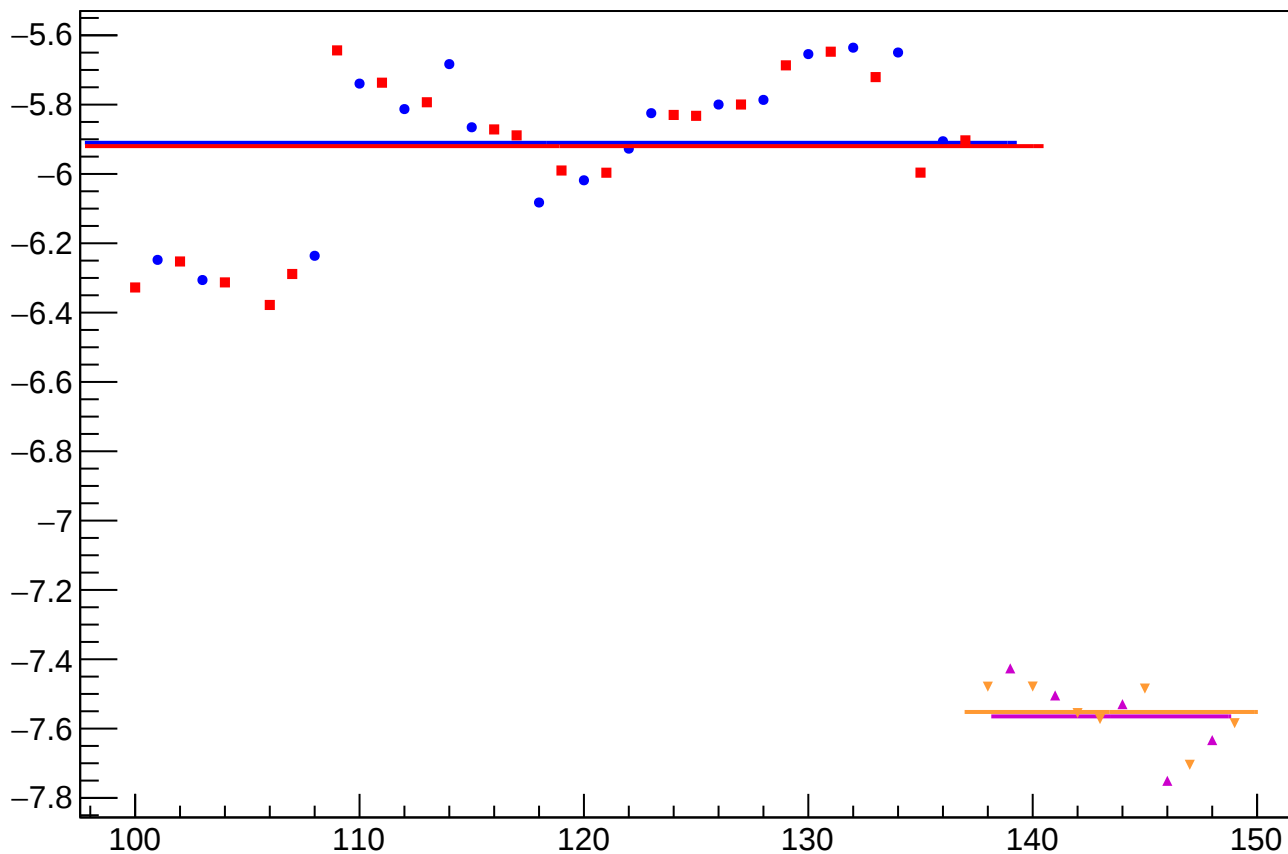
Left In: 0.006 $\pm$ 0.000 χ^2/NDF : 215137.4/4

0.006 $\pm$ 0.000 χ^2/NDF : 476859.5/23

0.006 $\pm$ 0.000 χ^2/NDF : 951507.5/48

0.006 $\pm$ 0.000 χ^2/NDF : 472180.6/24

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.910 $\pm$ 0.000 χ^2/NDF : 11154434512.7/16

Left Out: -5.920 $\pm$ 0.000 χ^2/NDF : 12786449843.6/19

-6.264 $\pm$ 0.000 χ^2/NDF : 129441737586.3/23

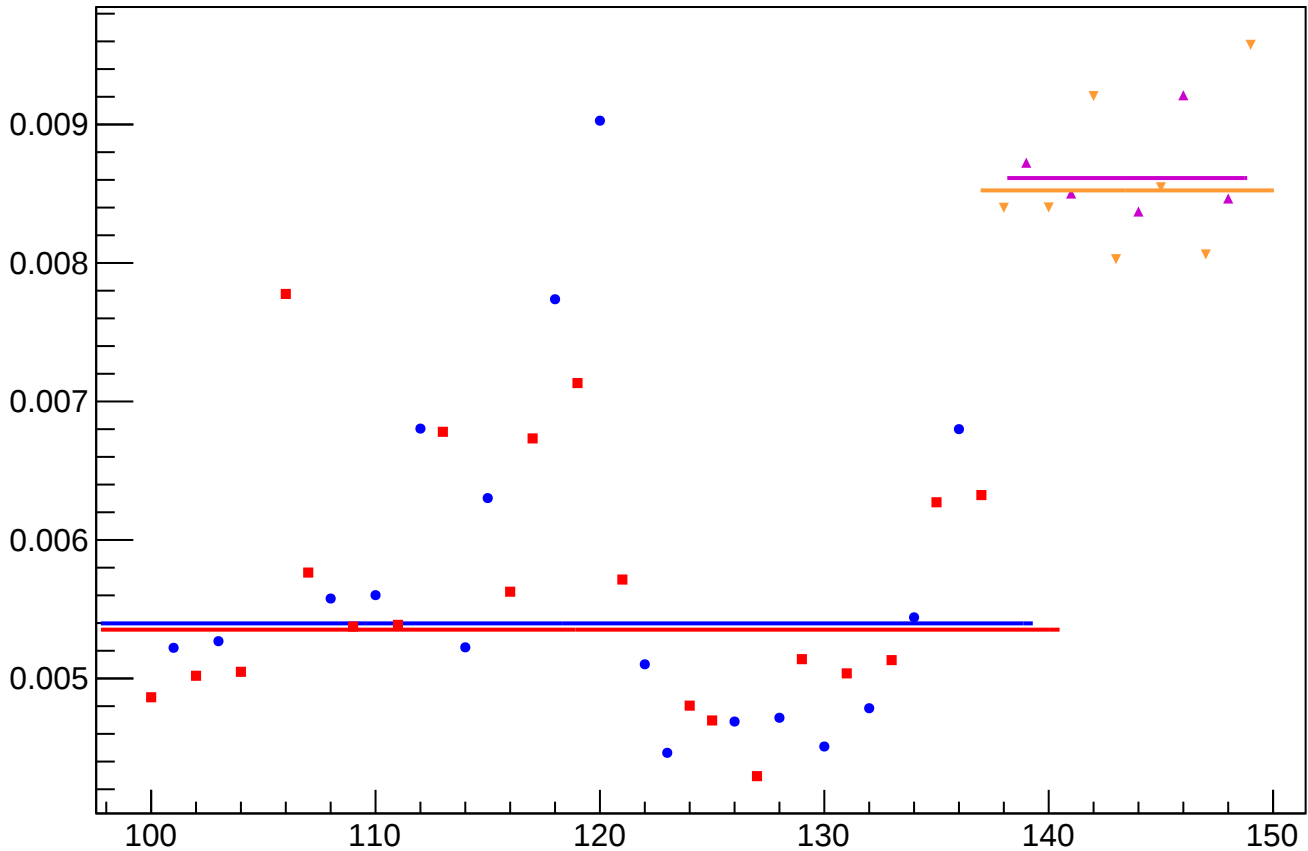
Right Out: -5.920 $\pm$ 0.000 χ^2/NDF : 12786449843.6/19

-6.230 $\pm$ 0.000 χ^2/NDF : 245190785780.8

-6.197 $\pm$ 0.000 χ^2/NDF : 115146379970.3/24

Left In: -7.565 $\pm$ 0.000 χ^2/NDF : 488115074.1/4

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

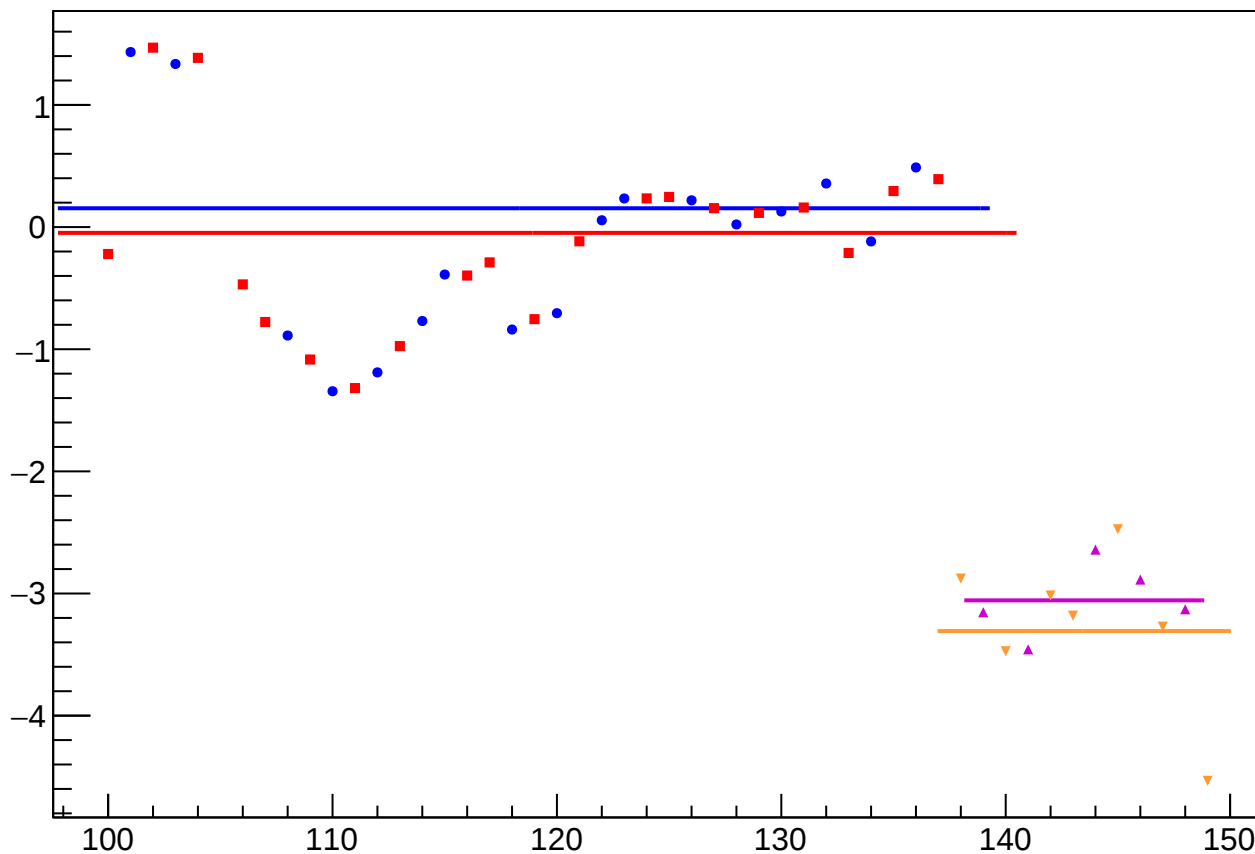
Left In: 0.009+/-0.000 χ^2/NDF :7332.1/4

0.006+/-0.000 χ^2/NDF : 1255456.8/23

0.006+/-0.000 χ^2/NDF : 2323681.4/48

0.006+/-0.000 χ^2/NDF : 1060540.1/24

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

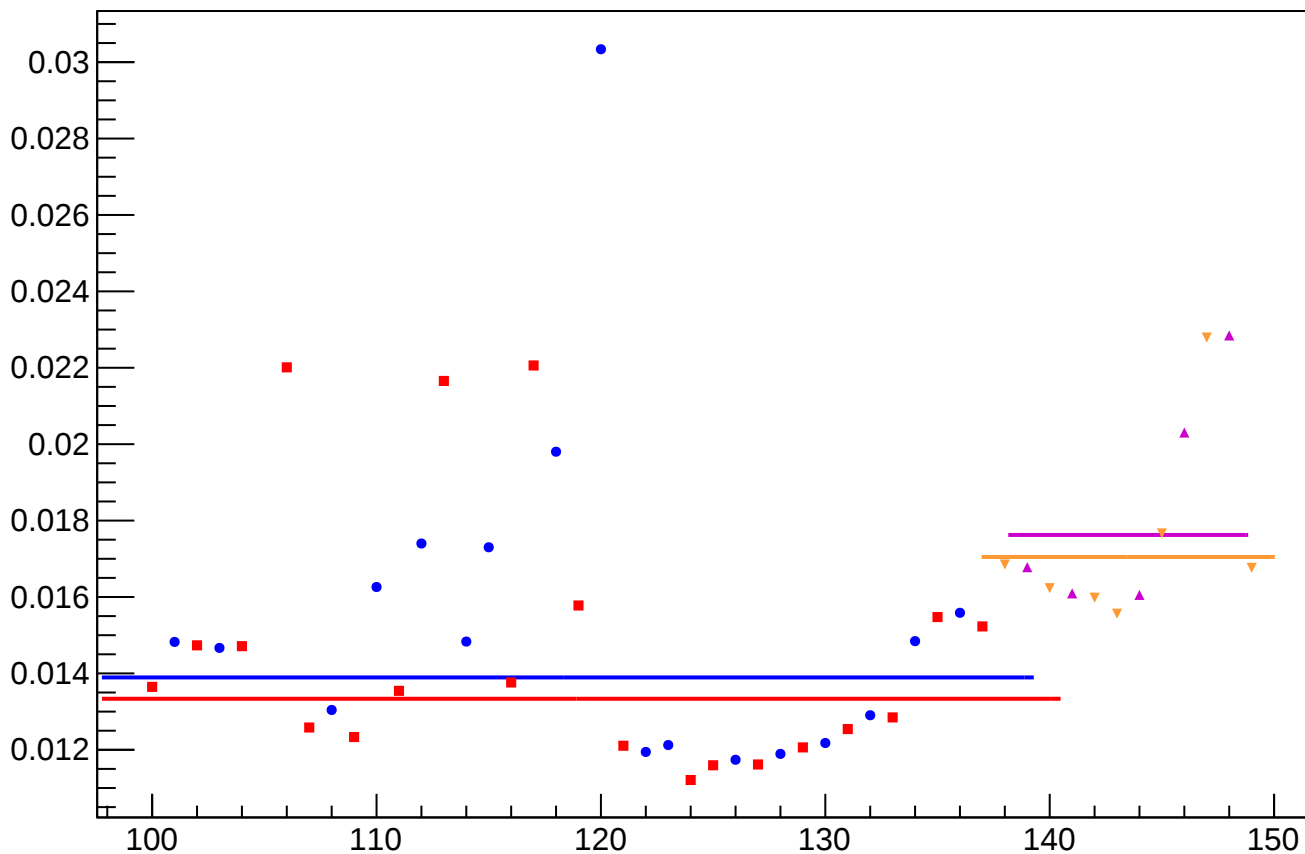
Left In: -3.056+/-0.000 χ^2/NDF : 1136018329.6/4

-1.027+/-0.000 χ^2/NDF : 148754861975.1/23

-0.902+/-0.000 χ^2/NDF : 253082131959.1

-0.781+/-0.000 χ^2/NDF : 102891794216.3/24

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 400569.4/16

Left Out: 0.017 $\pm$ 0.000 χ^2/NDF :111087.6/6

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 303459.9/19

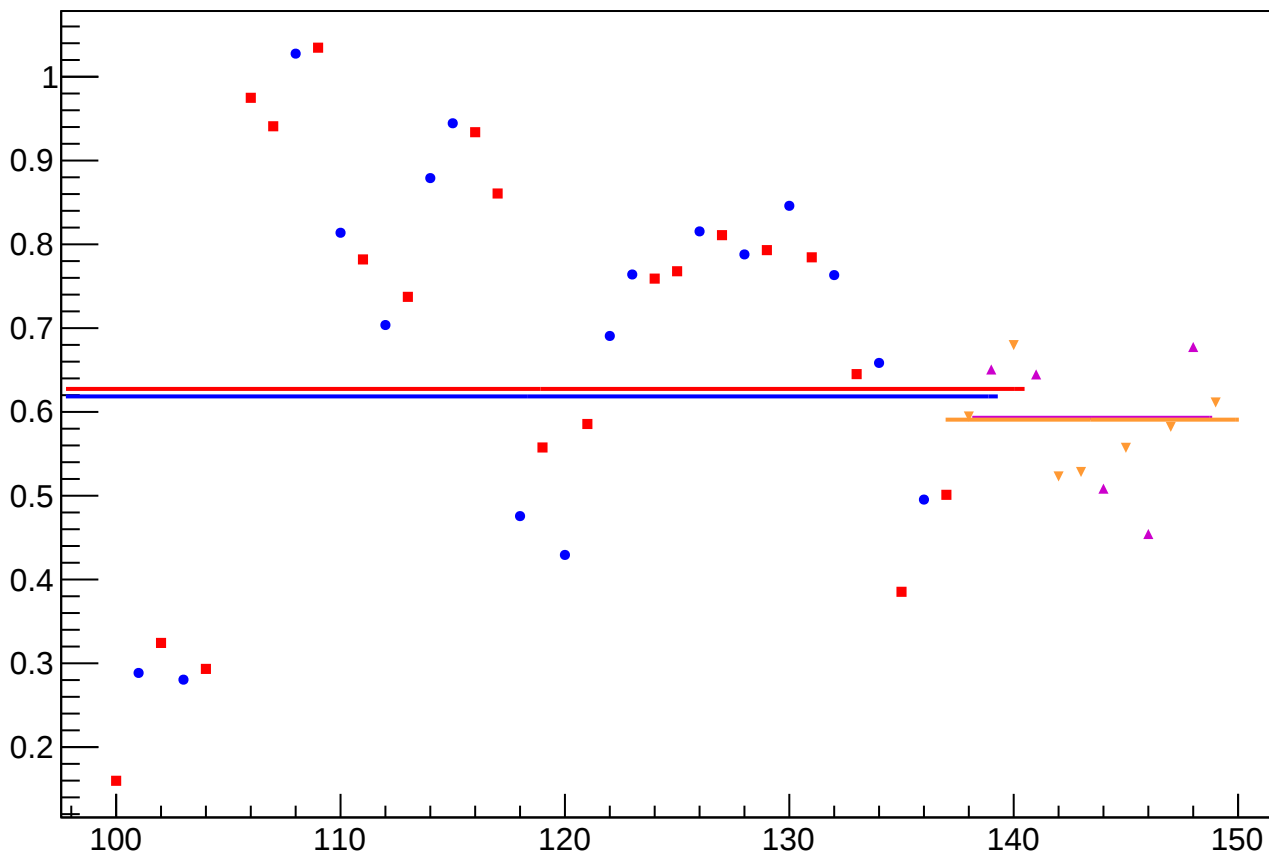
Left In: 0.018 $\pm$ 0.000 χ^2/NDF :134011.2/4

0.015 $\pm$ 0.000 χ^2/NDF : 719726.1/23

0.015 $\pm$ 0.000 χ^2/NDF : 1500861.1/48

0.014 $\pm$ 0.000 χ^2/NDF : 764697.8/24

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.619 $\pm$ 0.000 χ^2/NDF : 5416939288.1/16

Left Out: 0.591 $\pm$ 0.000 χ^2/NDF : 221413195.0/6

Right Out: 0.627 $\pm$ 0.000 χ^2/NDF : 6345684740.0/19

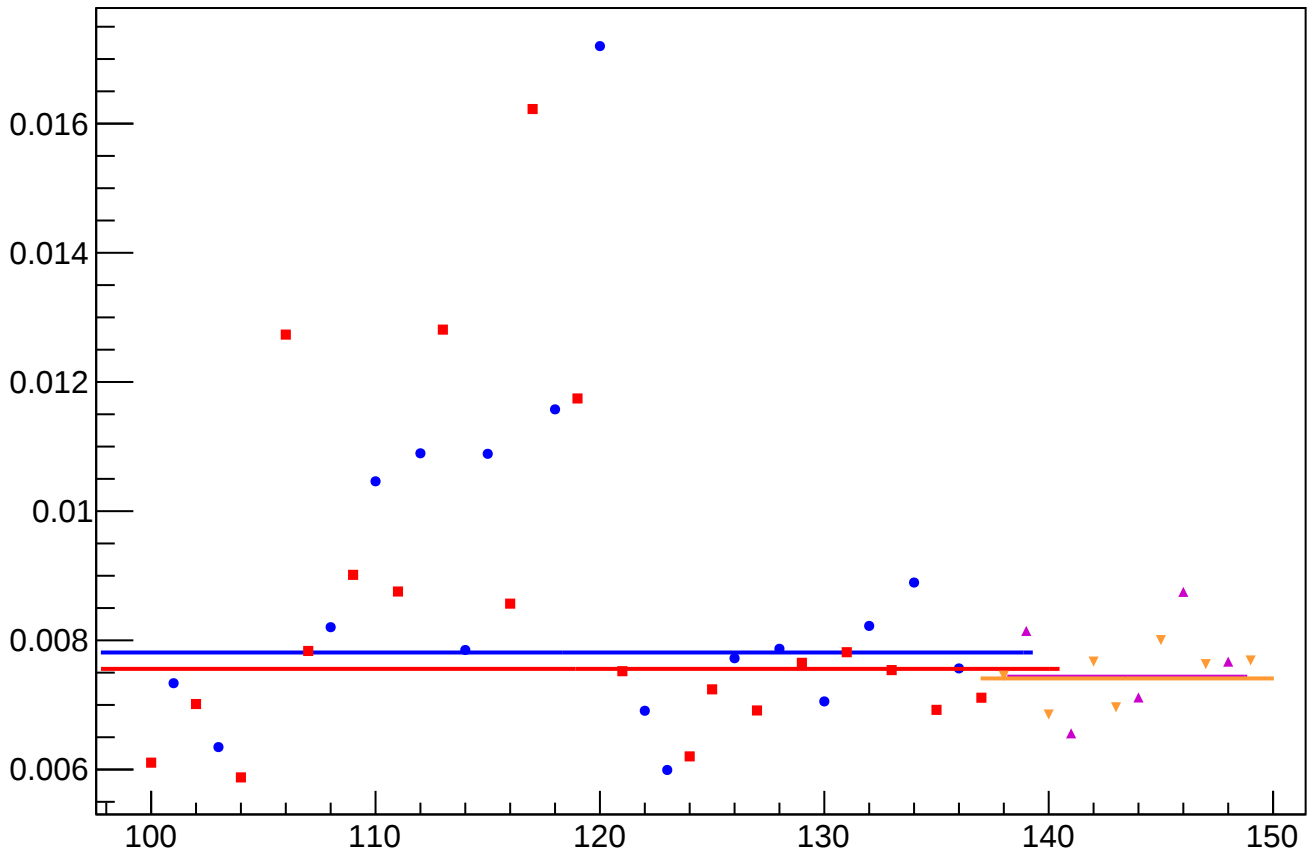
Left In: 0.593 $\pm$ 0.000 χ^2/NDF : 455604076.1/4

0.606 $\pm$ 0.000 χ^2/NDF : 5671992297.3/23

0.610 $\pm$ 0.000 χ^2/NDF : 12528418192.3/4

0.615 $\pm$ 0.000 χ^2/NDF : 6849711752.4/24

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

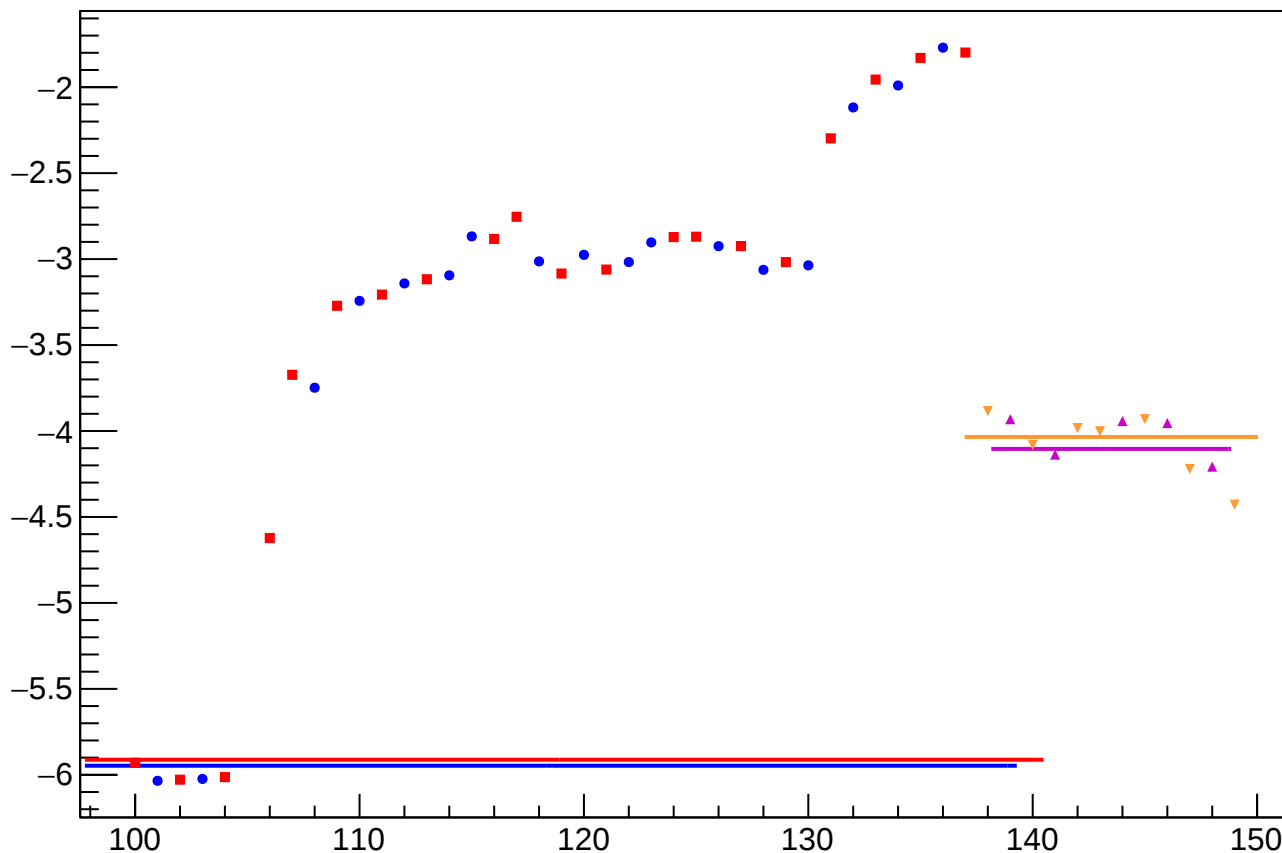
Left In: 0.007+/-0.000 χ^2/NDF :73692.9/4

0.008+/-0.000 χ^2/NDF : 506859.6/23

0.008+/-0.000 χ^2/NDF : 1047290.9/48

0.008+/-0.000 χ^2/NDF : 538123.7/24

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

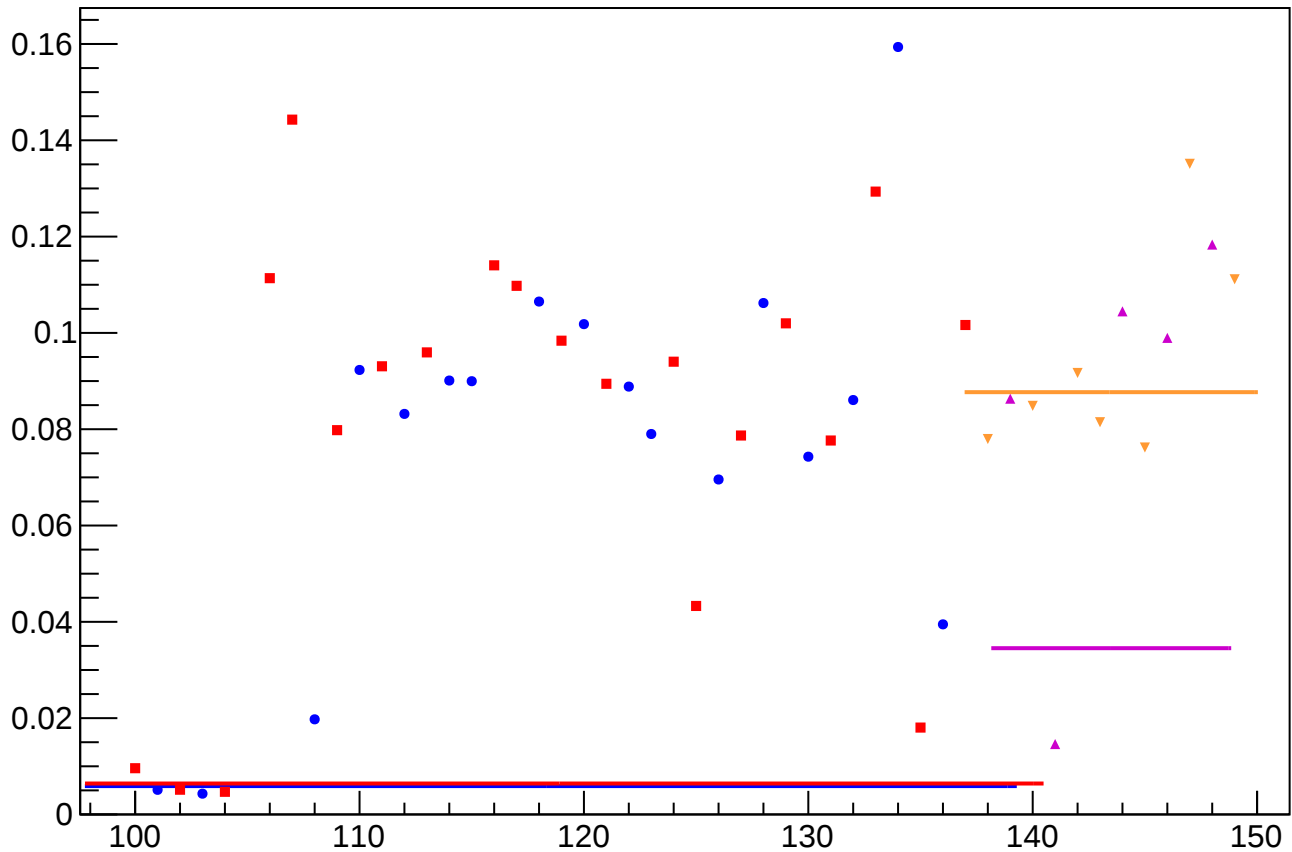
Left In: -4.104+/-0.000 χ^2/NDF : 7004447.4/4

-5.924+/-0.000 χ^2/NDF : 15226590898.9/23

-5.895+/-0.000 χ^2/NDF : 33572573959.7/4

-5.860+/-0.000 χ^2/NDF : 18256681559.8/24

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

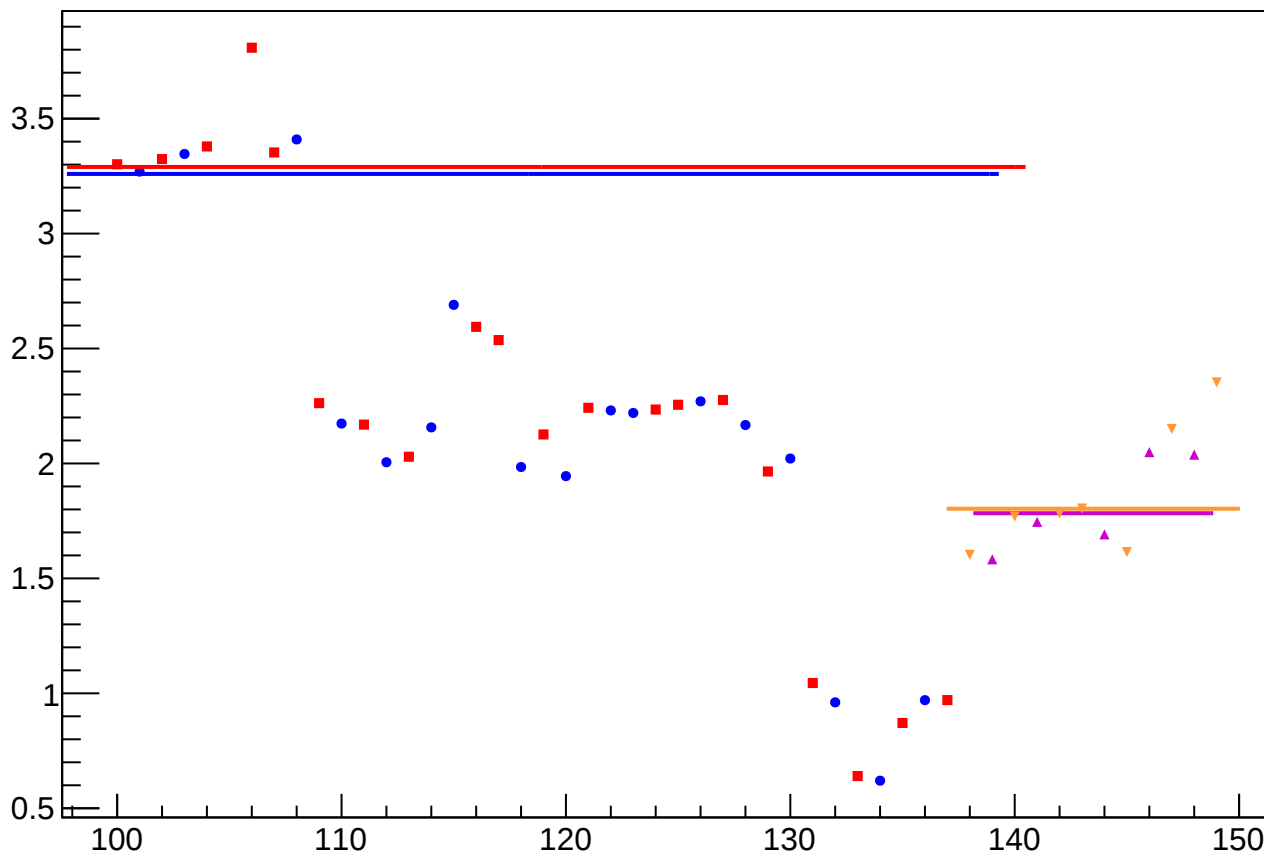
Left In: 0.035+/-0.000 χ^2/NDF : 3062822.1/4

0.007+/-0.000 χ^2/NDF : 15716977.2/23

0.007+/-0.000 χ^2/NDF : 29084886.6/48

0.007+/-0.000 χ^2/NDF : 13361734.0/24

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

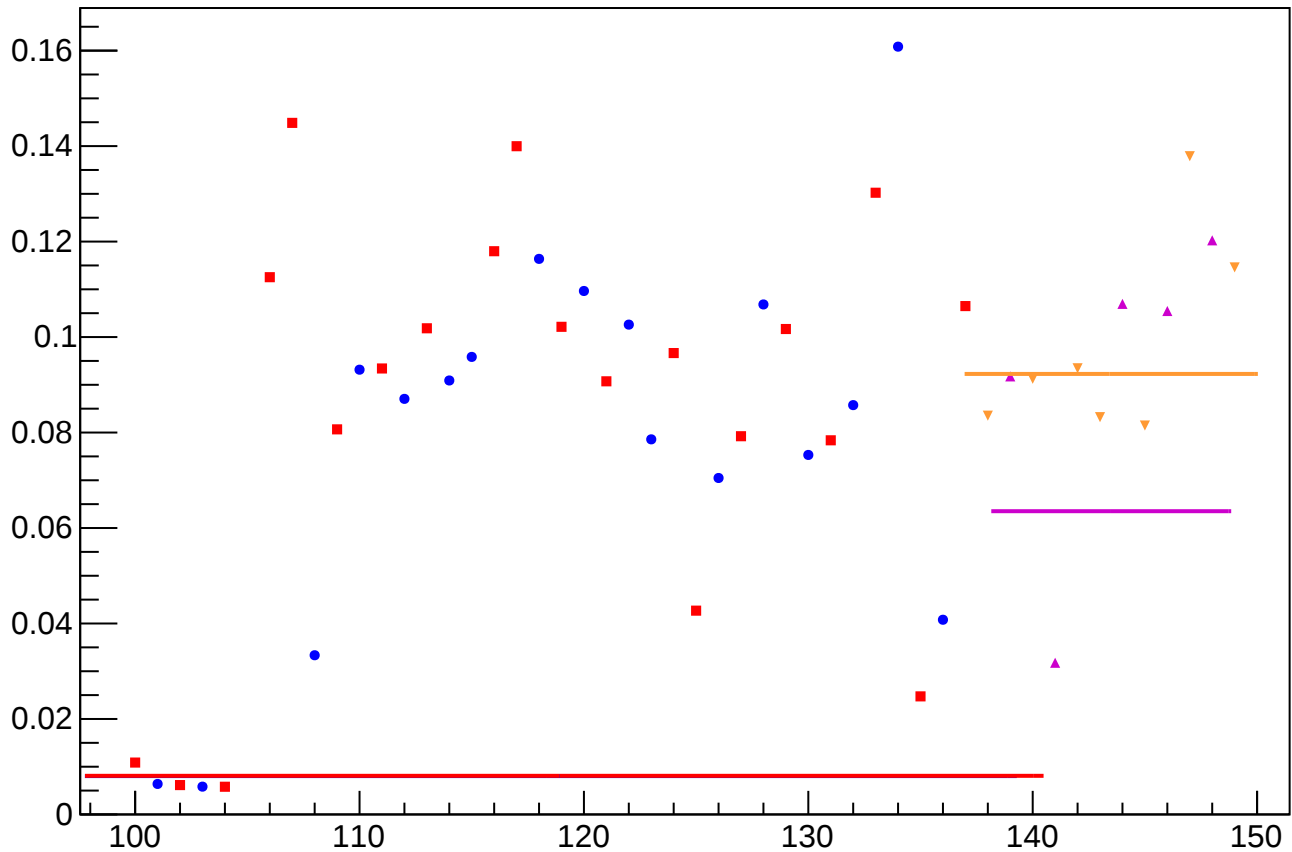
Left In: 1.784+/-0.000 χ^2/NDF : 11214102.3/4

3.234+/-0.000 χ^2/NDF : 4023345384.8/23

3.246+/-0.000 χ^2/NDF : 8551301571.6/48

3.259+/-0.000 χ^2/NDF : 4519280758.8/24

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7742048.1/16

Left Out: 0.092 $\pm$ 0.000 χ^2 /NDF:256474.4/6

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8375005.0/19

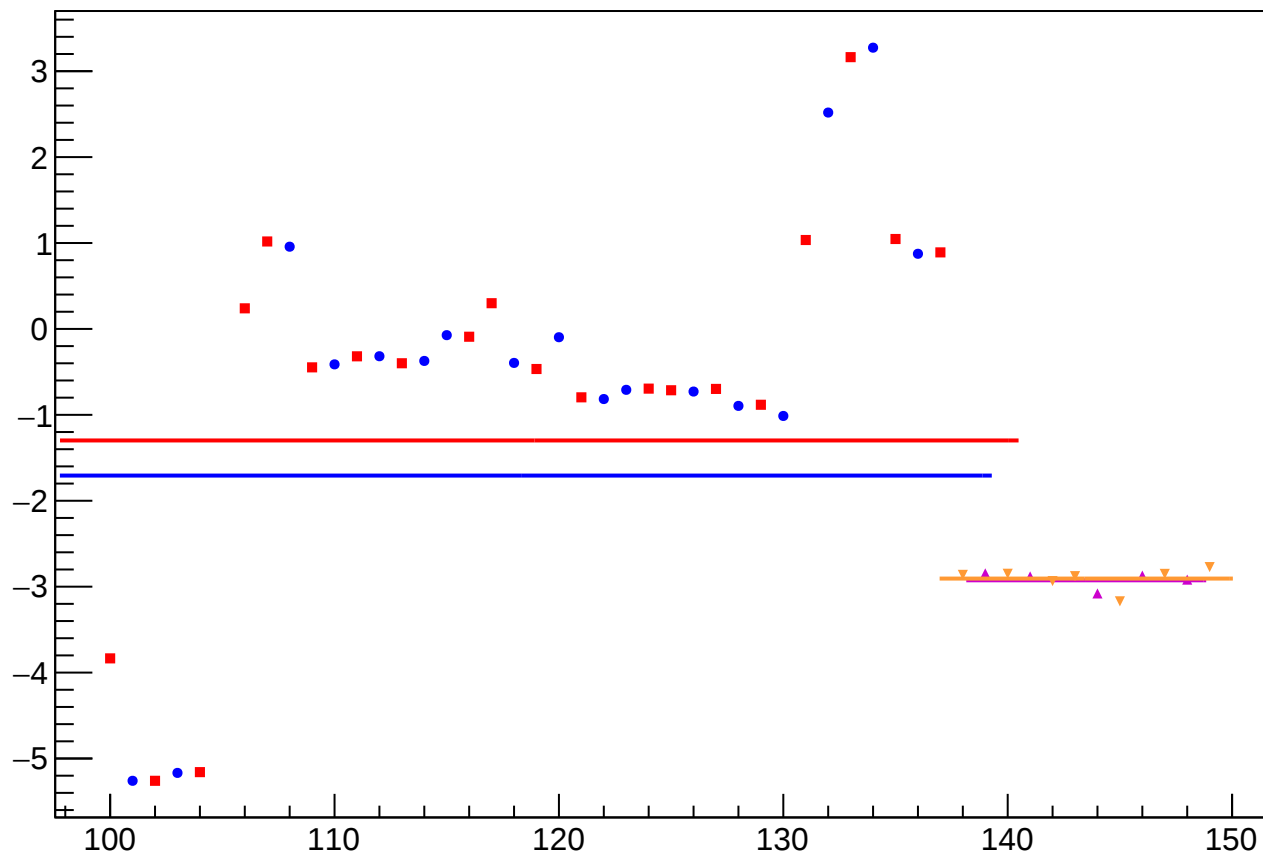
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:1535489.0/4

0.010 $\pm$ 0.000 χ^2 /NDF: 15173882.0/23

0.009 $\pm$ 0.000 χ^2 /NDF: 28457591.0/48

0.009 $\pm$ 0.000 χ^2 /NDF: 13281531.2/24

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.707 $\pm$ 0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.906 $\pm$ 0.000 χ^2/NDF : 1210827706.6/6

Right Out: -1.298 $\pm$ 0.000 χ^2/NDF : 178085926993.4/19

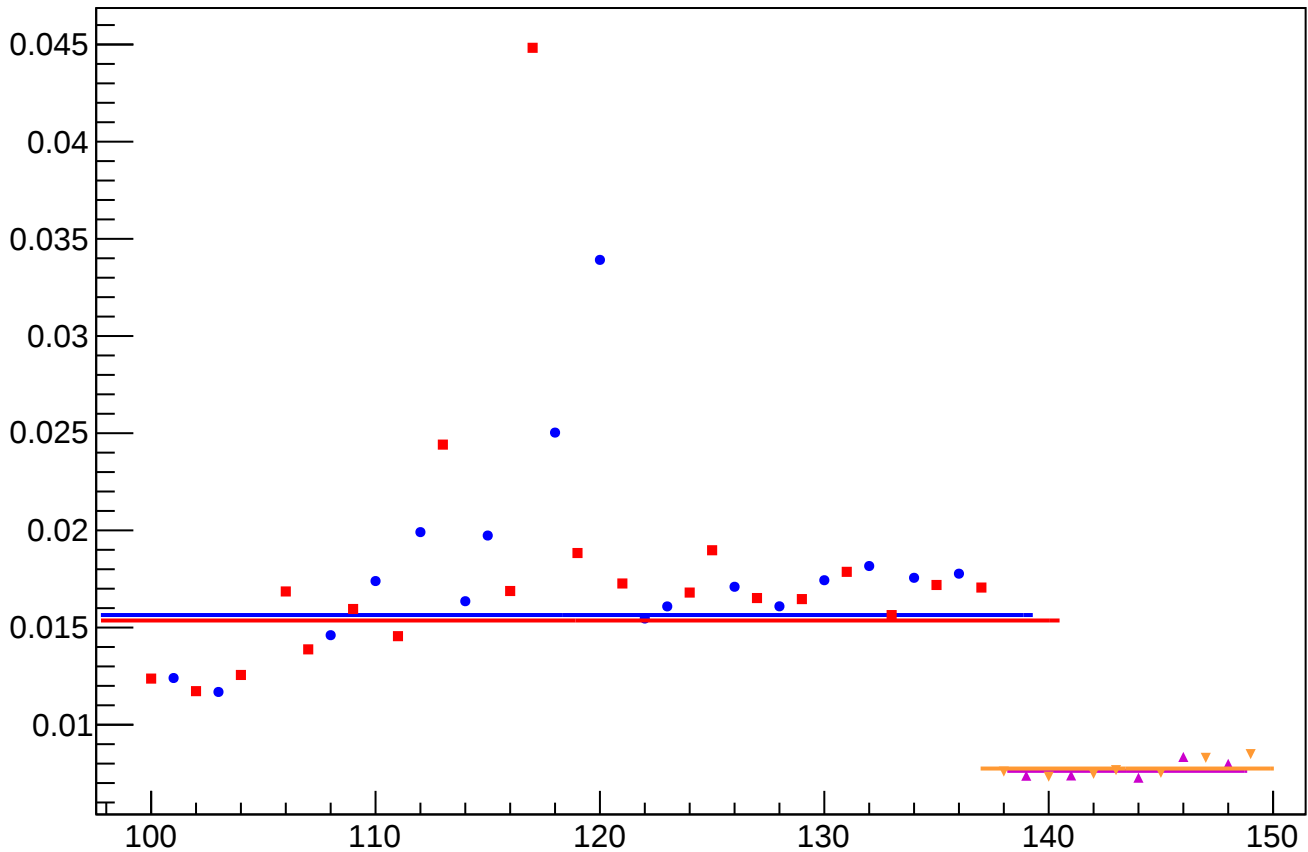
Left In: -2.926 $\pm$ 0.000 χ^2/NDF : 510740563.2/4

-2.637 $\pm$ 0.000 χ^2/NDF : 192877641804.8/23

-2.553 $\pm$ 0.000 χ^2/NDF : 422849354499.4

-2.461 $\pm$ 0.000 χ^2/NDF : 228462677837.6/24

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

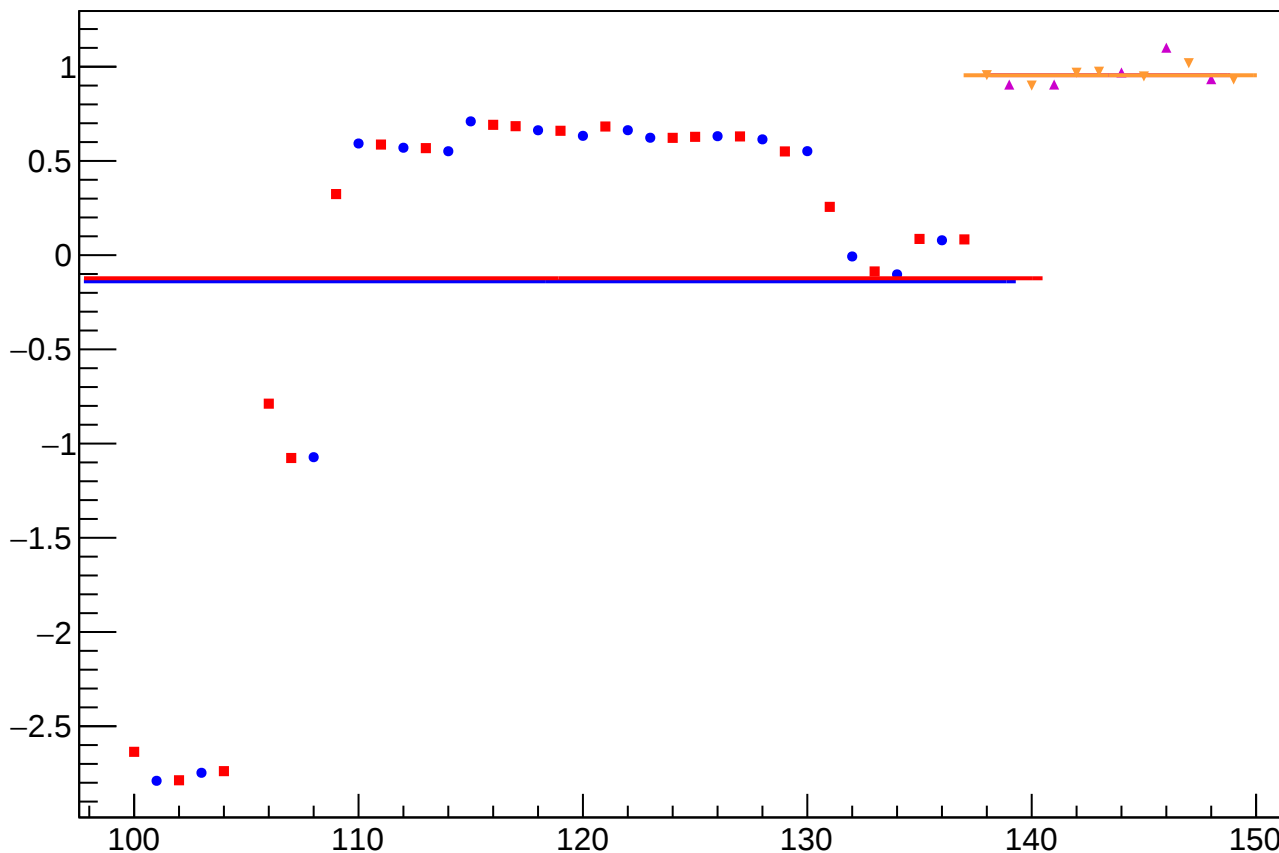
0.010+/-0.000 χ^2/NDF : 5493597.2/48

Right Out: 0.015+/-0.000 χ^2/NDF : 387283.2/19

0.010+/-0.000 χ^2/NDF : 2661563.8/24

Left In: 0.008+/-0.000 χ^2/NDF : 21489.4/4

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

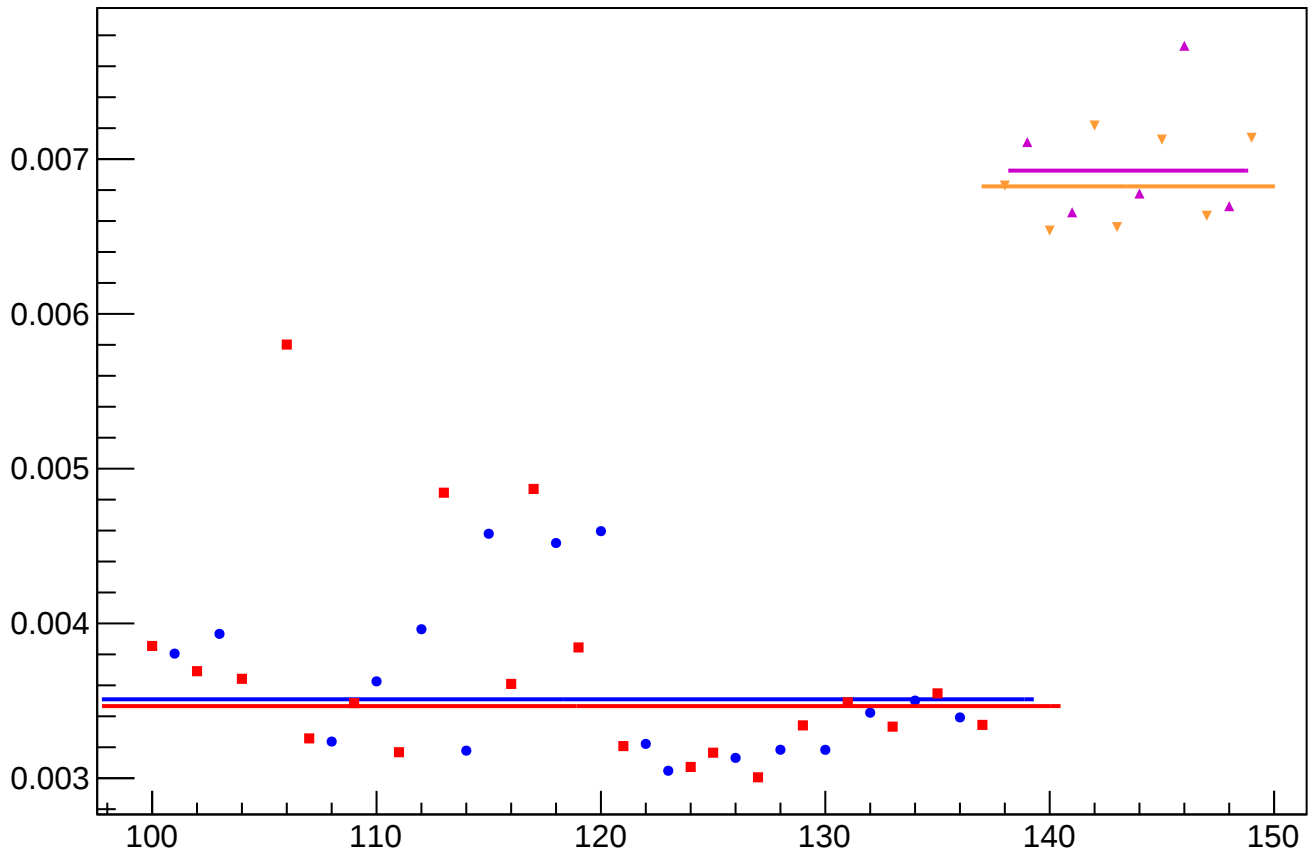
Right Out: -0.123+/-0.000 χ^2/NDF : 762580598699.5/19

0.013+/-0.000 χ^2/NDF : 1645848938075.0

0.001+/-0.000 χ^2/NDF : 837909616943.3/24

Left In: 0.955+/-0.000 χ^2/NDF :312801939.1/4

yield_bpm0l04Y_rms vs Slug, 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

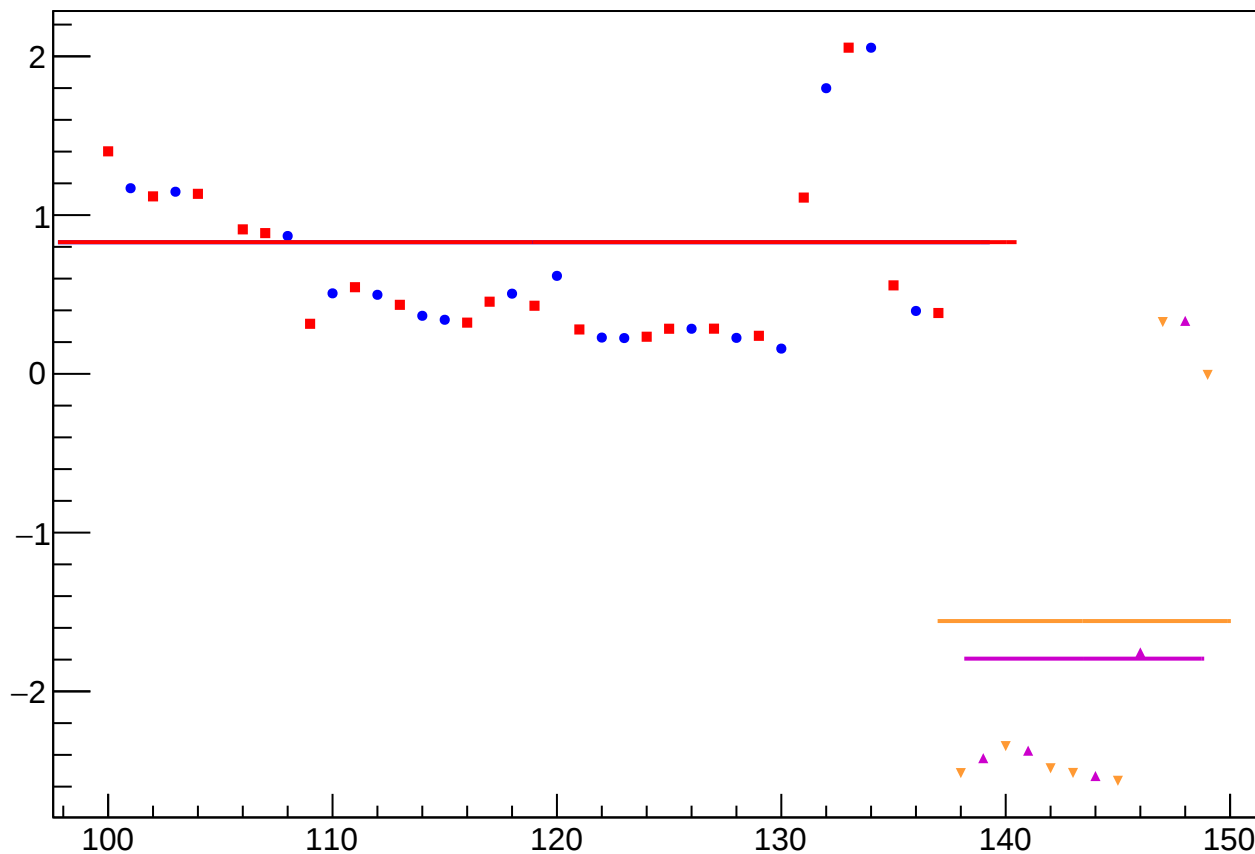
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:19774.8/4

0.004 $\pm$ 0.000 χ^2 /NDF: 1885134.5/23

0.004 $\pm$ 0.000 χ^2 /NDF: 3685937.5/48

0.004 $\pm$ 0.000 χ^2 /NDF: 1787313.6/24

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

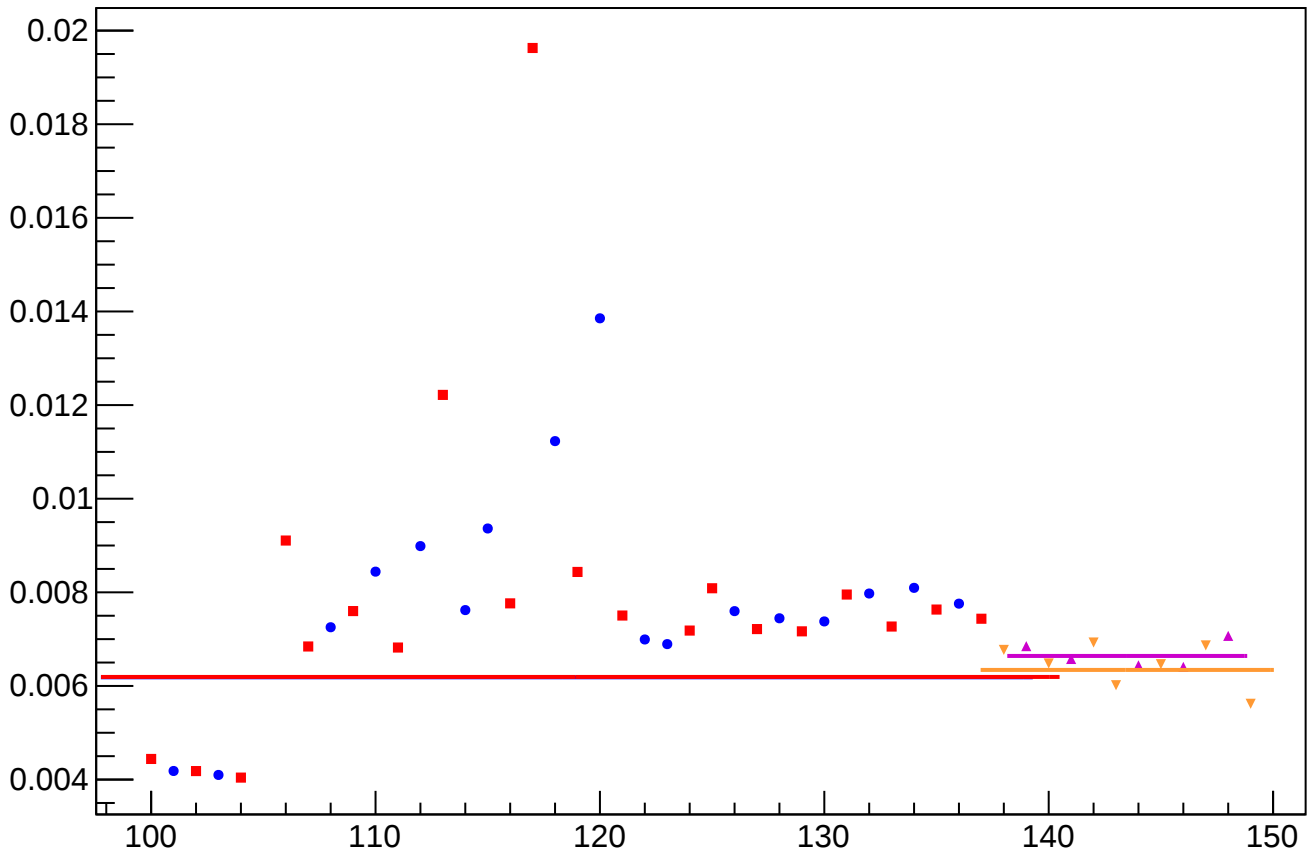
Left In: -1.794+/-0.000 χ^2/NDF : 90573668965.9/4

-0.238+/-0.000 χ^2/NDF : 561547321777.6/23

-0.172+/-0.000 χ^2/NDF : 1059366939325.0/23

-0.102+/-0.000 χ^2/NDF : 495600053058.9/24

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

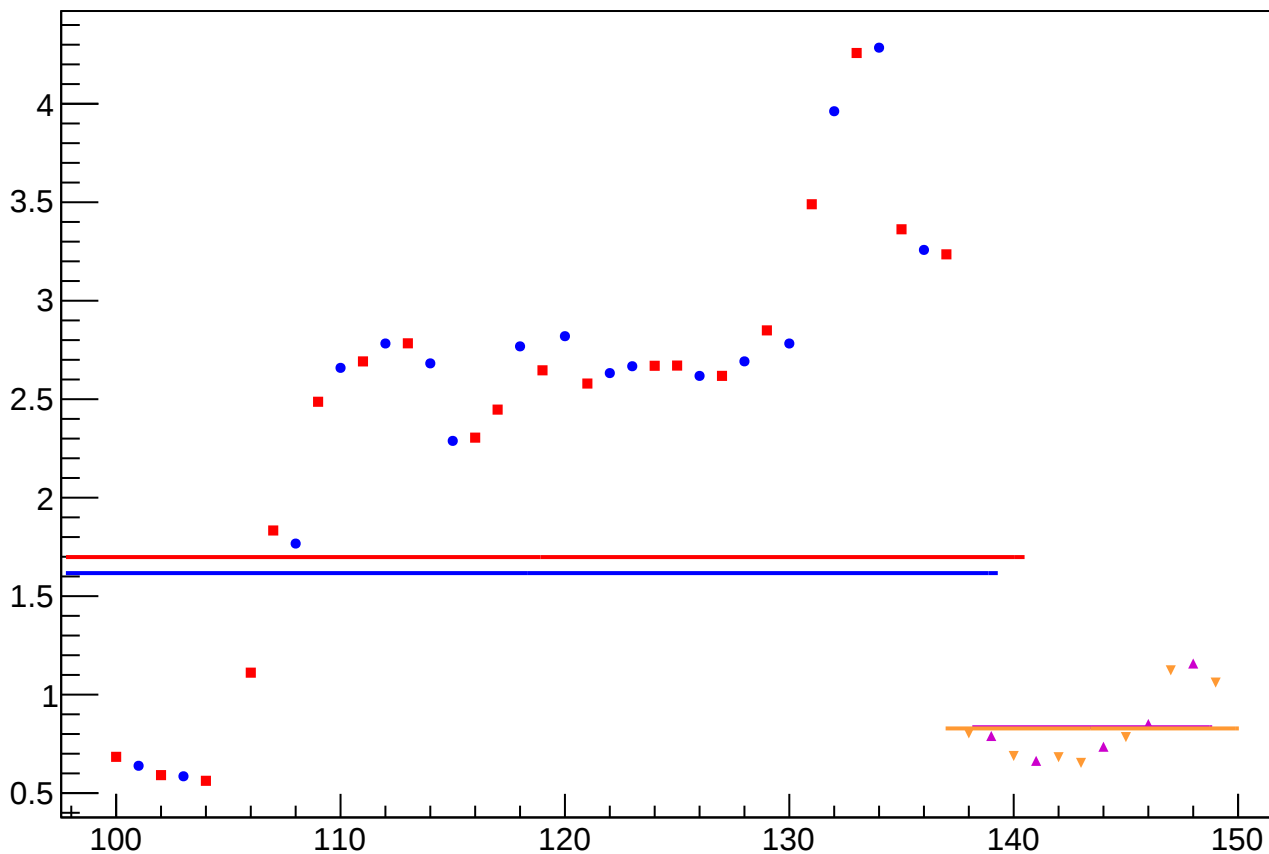
Left In: 0.007+/-0.000 χ^2/NDF : 10367.1/4

0.006+/-0.000 χ^2/NDF : 1281408.9/23

0.006+/-0.000 χ^2/NDF : 2378666.2/48

0.006+/-0.000 χ^2/NDF : 1094986.5/24

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.617 $\pm$ 0.000 χ^2 /NDF: 202886791000.7/16

Left Out: 0.828 $\pm$ 0.000 χ^2 /NDF: 31596344449.6/6

Right Out: 1.698 $\pm$ 0.000 χ^2 /NDF: 227436227264.4/19

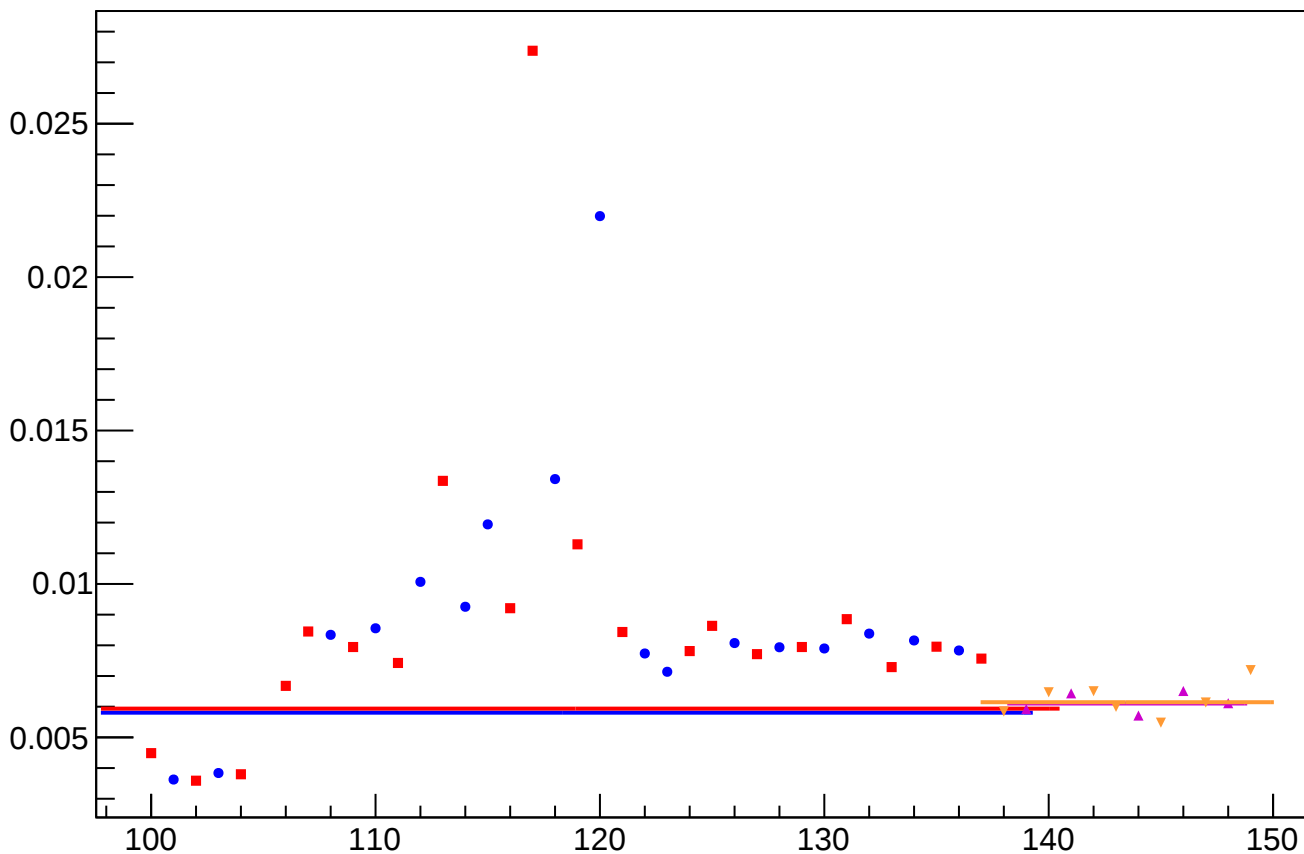
Left In: 0.835 $\pm$ 0.000 χ^2 /NDF: 2718021434.1/4

1.277 $\pm$ 0.000 χ^2 /NDF: 244484628206.9/23

1.325 $\pm$ 0.000 χ^2 /NDF: 518317128919.3/19

1.376 $\pm$ 0.000 χ^2 /NDF: 272617716296.3/24

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

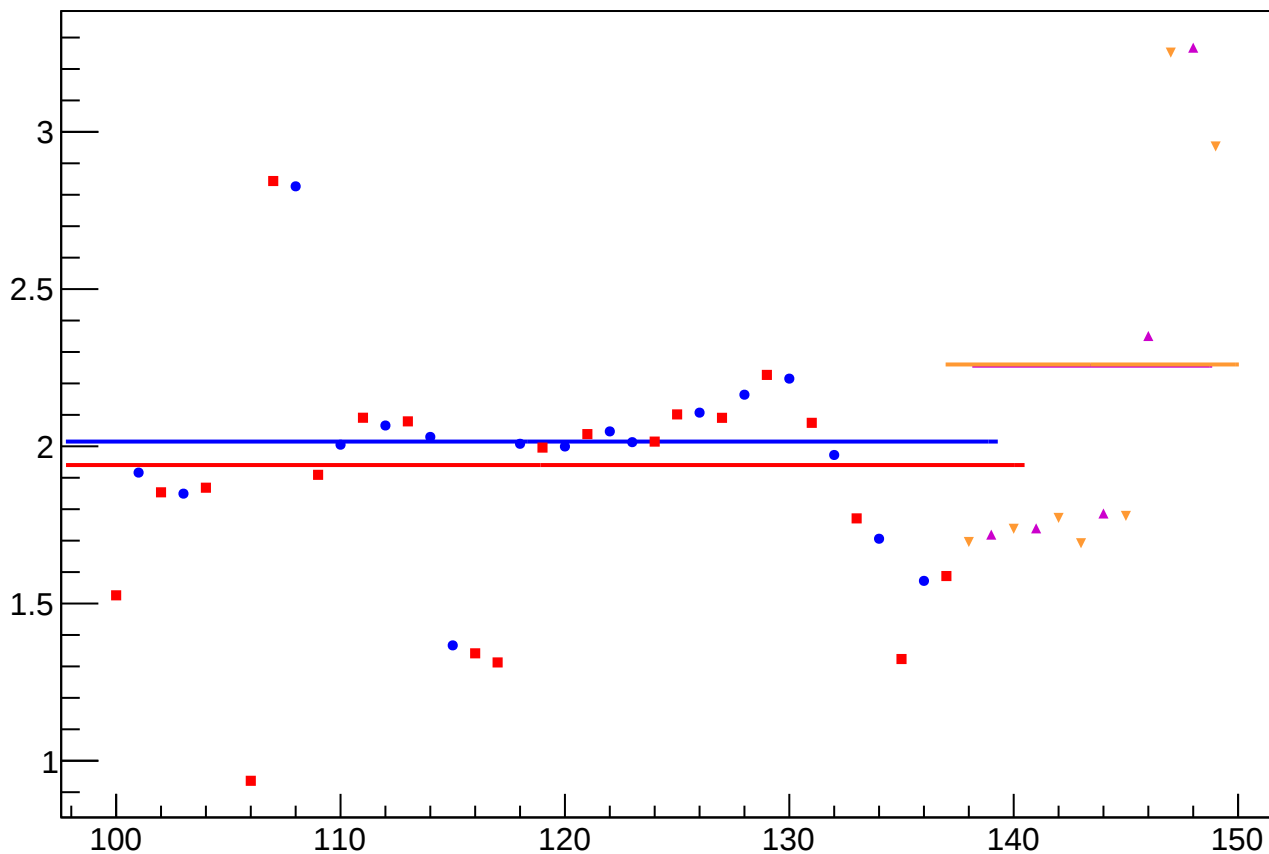
Left In: 0.006+/-0.000 χ^2/NDF : 17149.0/4

0.006+/-0.000 χ^2/NDF : 1988564.3/23

0.006+/-0.000 χ^2/NDF : 3740724.4/48

0.006+/-0.000 χ^2/NDF : 1751609.1/24

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.015 $\pm$ 0.000 χ^2 /NDF: 12228403202.6/16

Left Out: 2.260 $\pm$ 0.000 χ^2 /NDF: 34341979118.8/6

Right Out: 1.940 $\pm$ 0.000 χ^2 /NDF: 21732099424.5/19

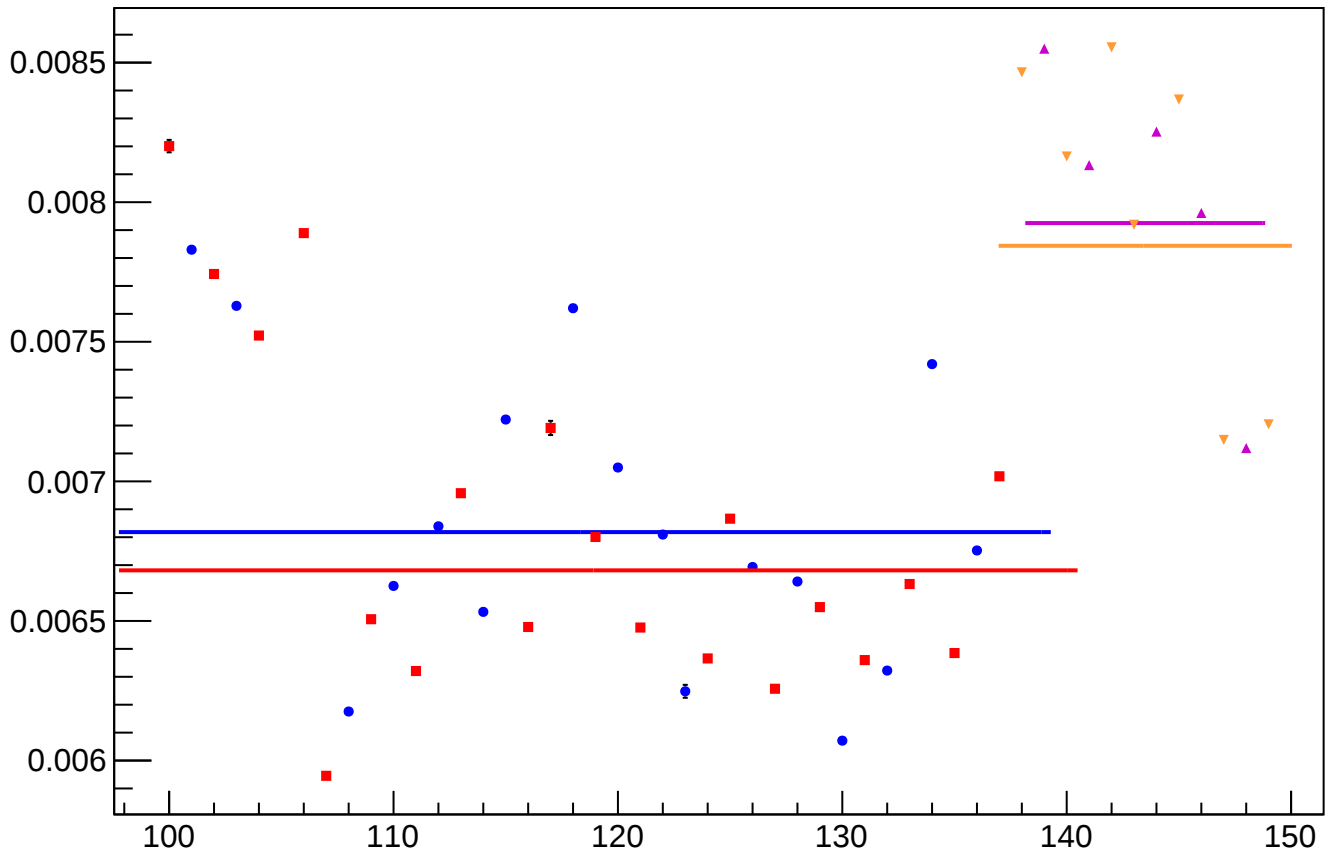
Left In: 2.256 $\pm$ 0.000 χ^2 /NDF: 24462410352.0/4

2.103 $\pm$ 0.000 χ^2 /NDF: 49502519837.4/23

2.066 $\pm$ 0.000 χ^2 /NDF: 100602459119.3/7

2.030 $\pm$ 0.000 χ^2 /NDF: 50546546372.1/24

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

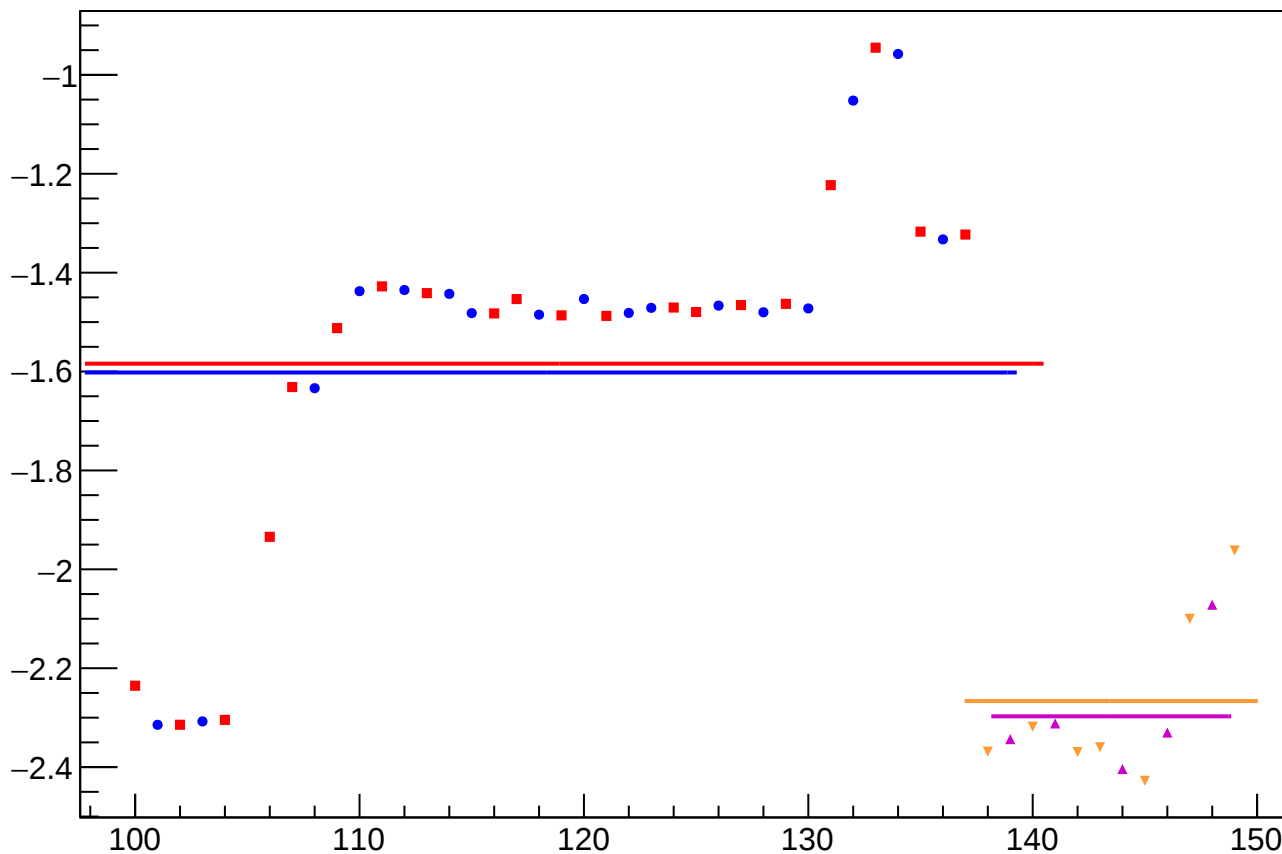
Left In: 0.008+/-0.000 χ^2/NDF : 30678.7/4

0.007+/-0.000 χ^2/NDF : 225376.7/23

0.007+/-0.000 χ^2/NDF : 471742.3/48

0.007+/-0.000 χ^2/NDF : 241682.5/24

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

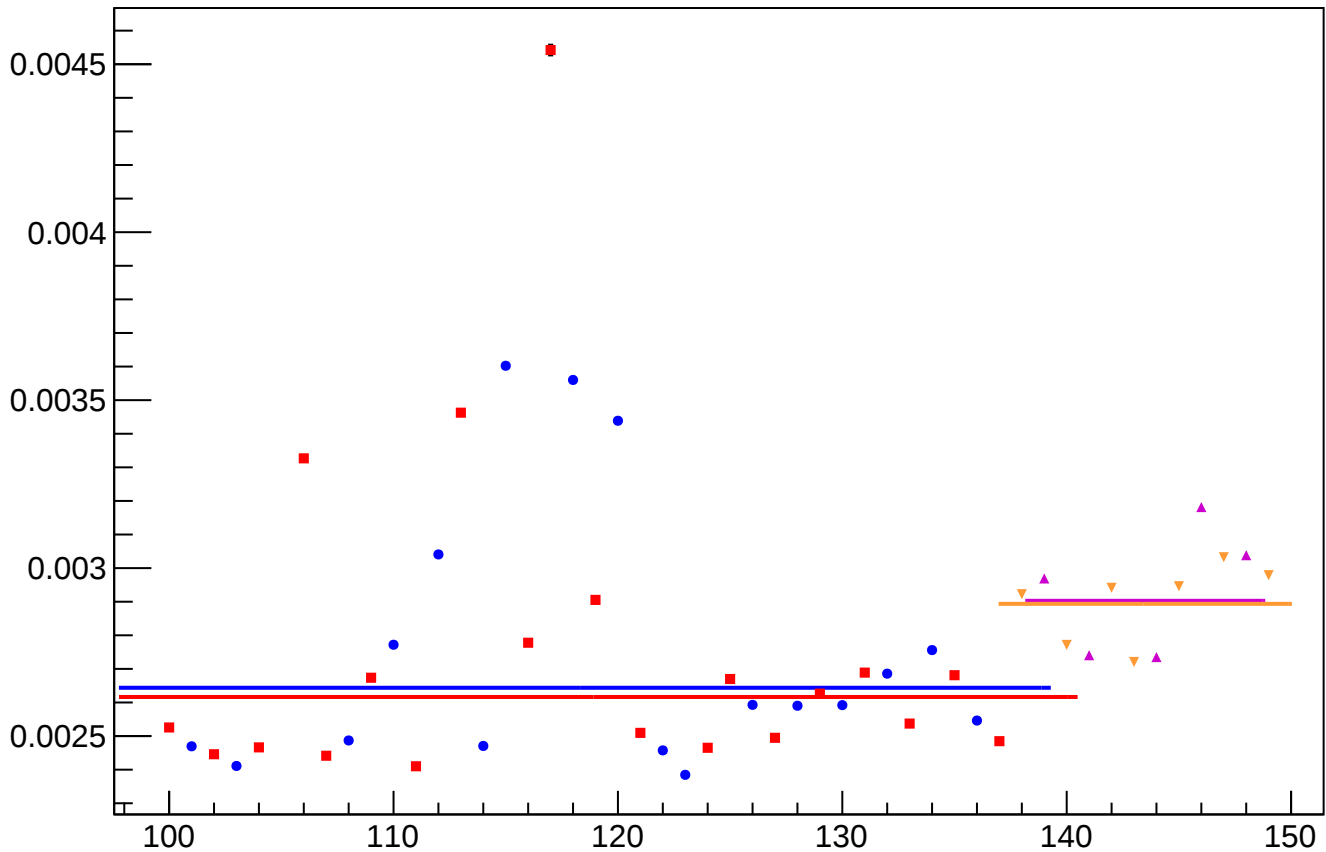
Right Out: -1.584+/-0.000 χ^2/NDF : 143612120137.8/19

-1.828+/-0.000 χ^2/NDF : 608667303218.6

-1.805+/-0.000 χ^2/NDF : 303549959946.1/24

Left In: -2.297+/-0.000 χ^2/NDF : 5666445006.4/4

yield_bpm0l06Y_rms vs Slug, 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

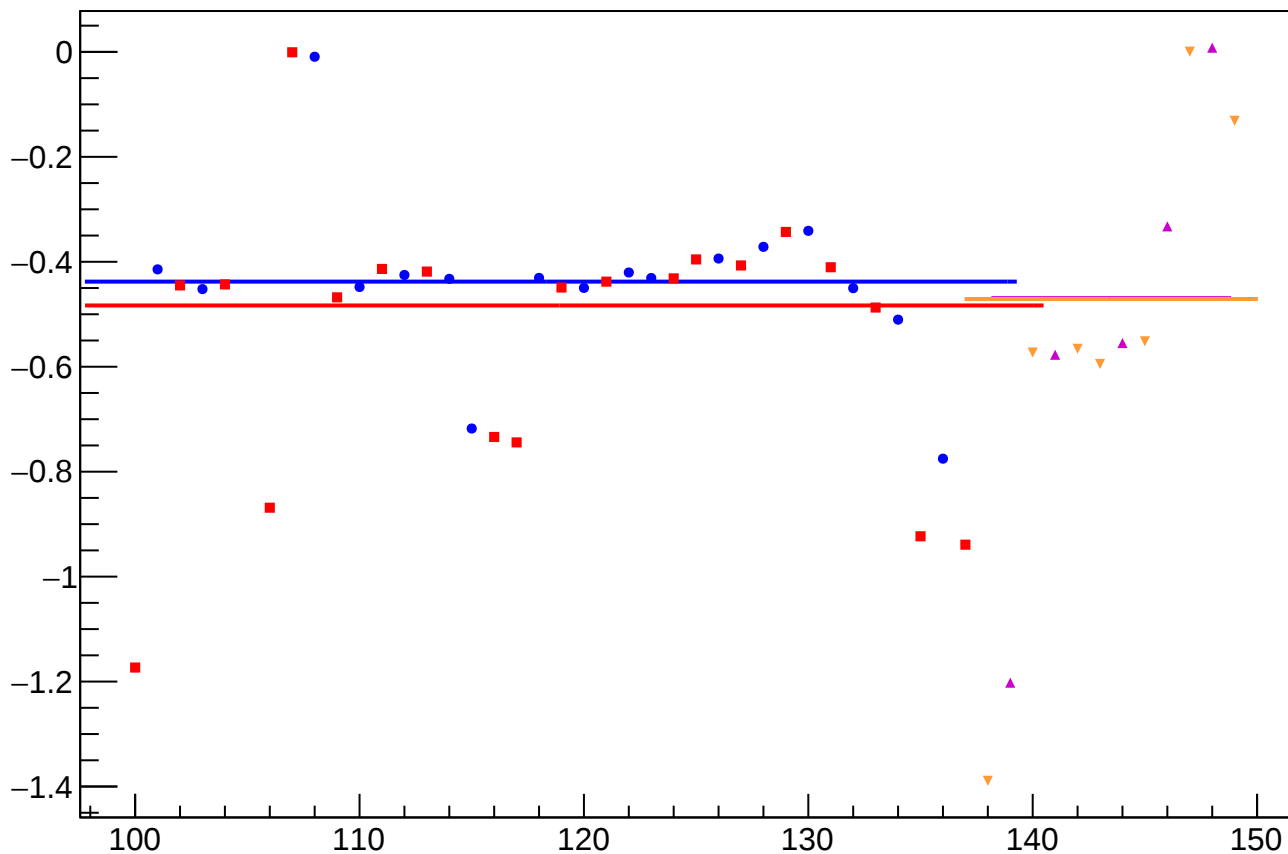
Left In: 0.003+/-0.000 χ^2/NDF :26202.6/4

0.003+/-0.000 χ^2/NDF : 206346.7/23

0.003+/-0.000 χ^2/NDF : 403639.5/48

0.003+/-0.000 χ^2/NDF : 195758.5/24

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.438 $\pm$ 0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.471 $\pm$ 0.000 χ^2/NDF : 4695904043.5/6

Right Out: -0.483 $\pm$ 0.000 χ^2/NDF : 2714164016.2/19

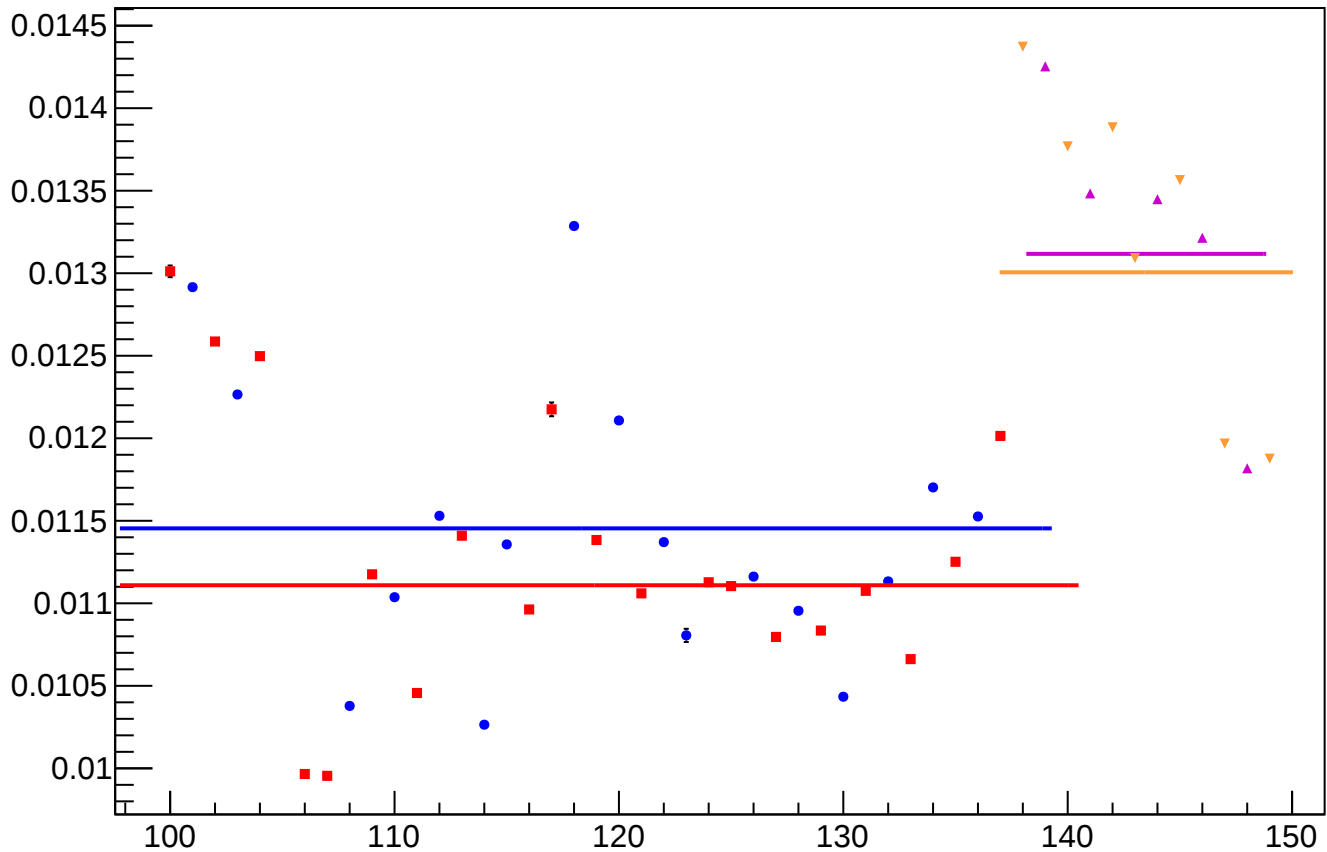
Left In: -0.469 $\pm$ 0.000 χ^2/NDF : 3144504042.4/4

-0.450 $\pm$ 0.000 χ^2/NDF : 6177683848.6/23

-0.465 $\pm$ 0.000 χ^2/NDF : 12073668605.1/4

-0.479 $\pm$ 0.000 χ^2/NDF : 5861749950.5/24

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

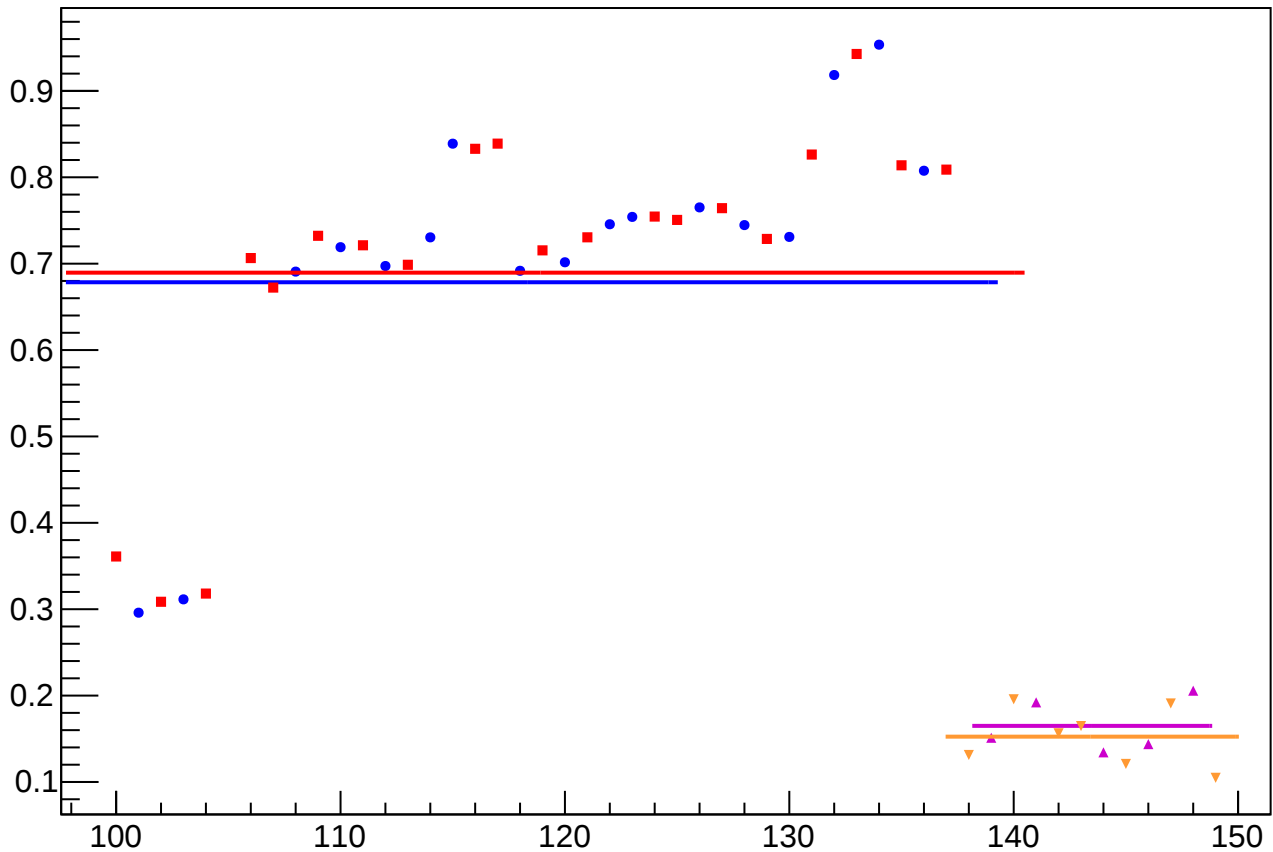
Left In: 0.013+/-0.000 χ^2/NDF : 29146.6/4

0.012+/-0.000 χ^2/NDF : 197361.1/23

0.012+/-0.000 χ^2/NDF : 419269.7/48

0.012+/-0.000 χ^2/NDF : 212932.9/24

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

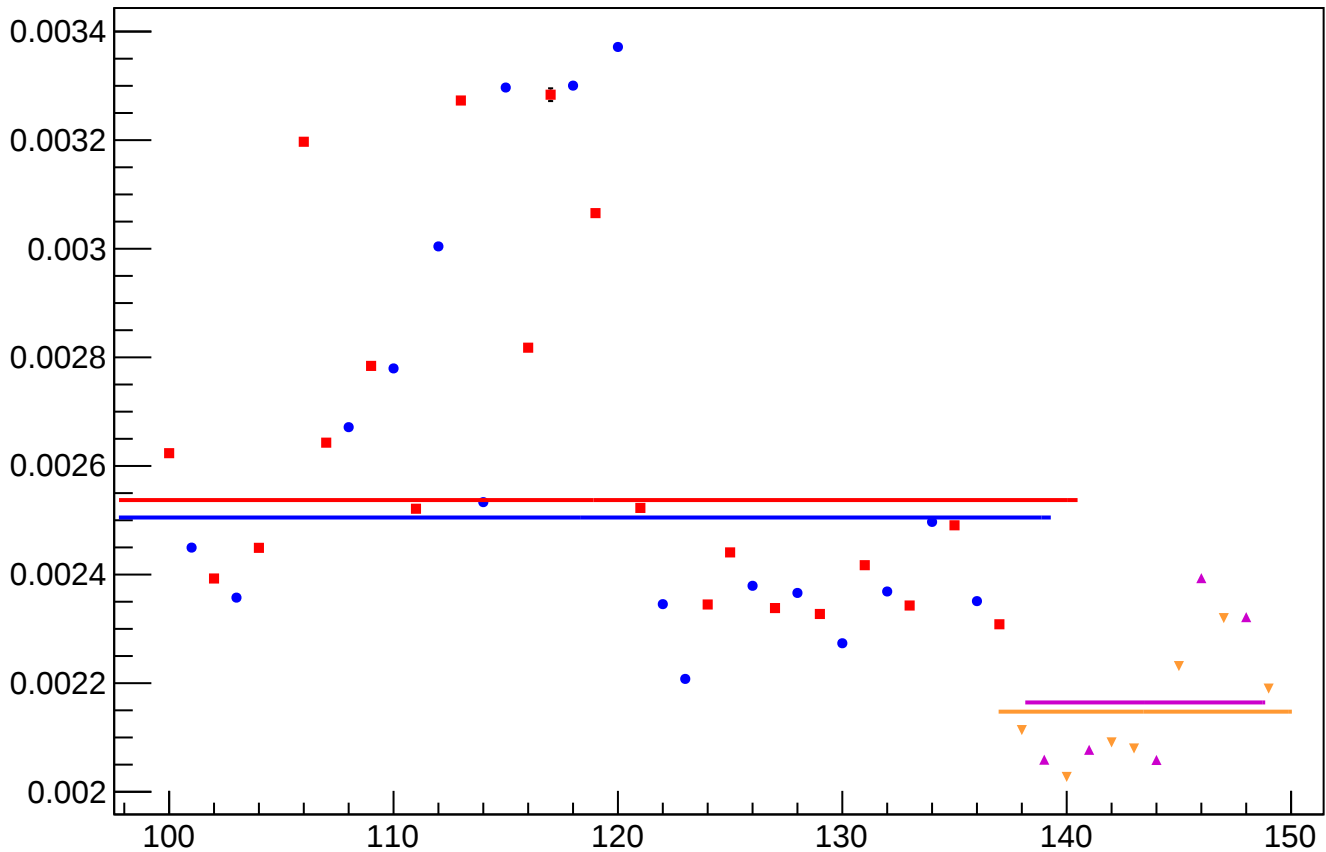
Left In: 0.165 $\pm$ 0.000 χ^2/NDF : 668868147.1/4

0.409 $\pm$ 0.000 χ^2/NDF : 183599048423.0/23

0.431 $\pm$ 0.000 χ^2/NDF : 350220696314.2/23

0.456 $\pm$ 0.000 χ^2/NDF : 164448701749.9/24

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 175524.0/16

Left Out: 0.002+/-0.000 χ^2/NDF : 19237.8/6

Right Out: 0.003+/-0.000 χ^2/NDF : 135649.7/19

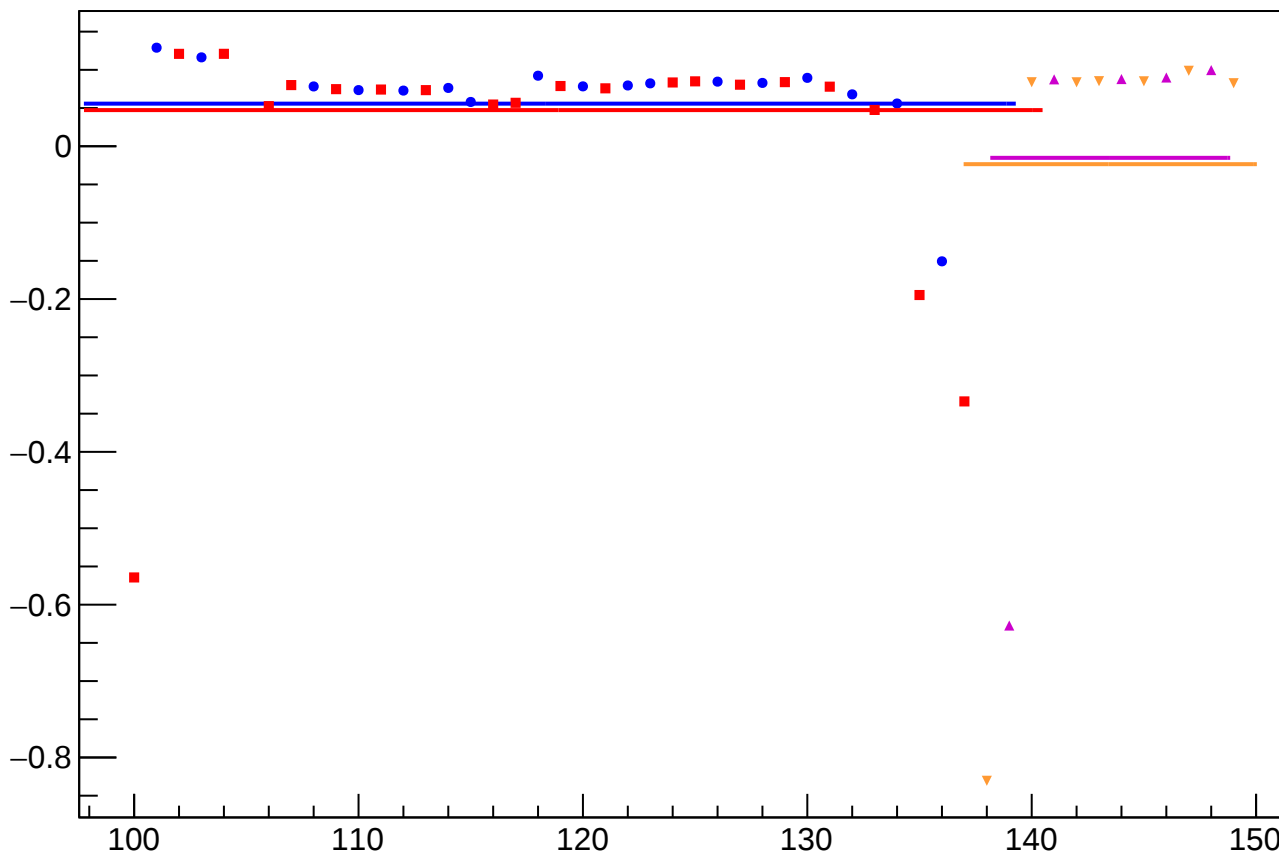
Left In: 0.002+/-0.000 χ^2/NDF : 32848.1/4

0.002+/-0.000 χ^2/NDF : 327716.7/23

0.002+/-0.000 χ^2/NDF : 630529.4/48

0.002+/-0.000 χ^2/NDF : 298013.9/24

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

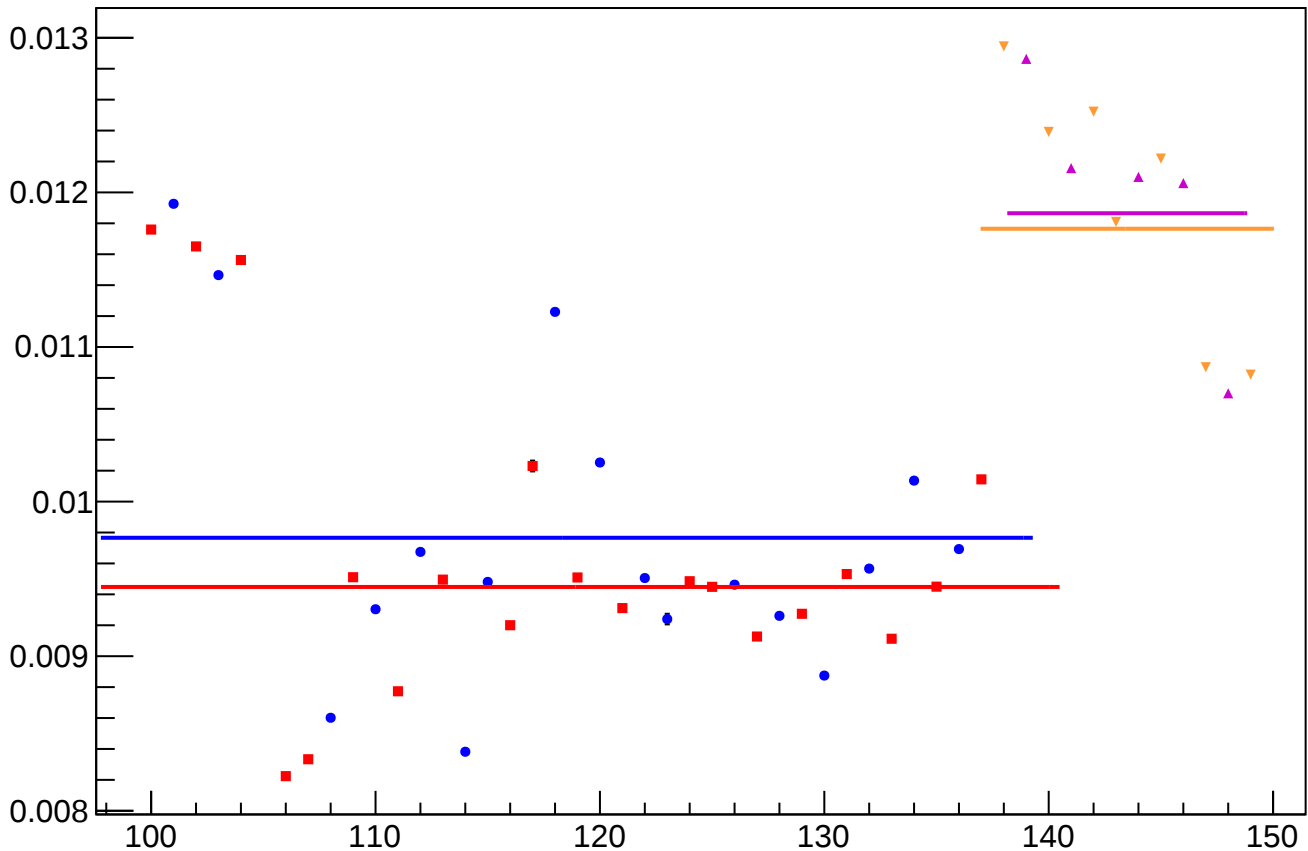
Left In: -0.015+/-0.000 χ^2/NDF : 1745010225.6/4

0.029+/-0.000 χ^2/NDF : 3561081676.4/23

0.030+/-0.000 χ^2/NDF : 6203368451.2/48

0.031+/-0.000 χ^2/NDF : 2642095648.4/24

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

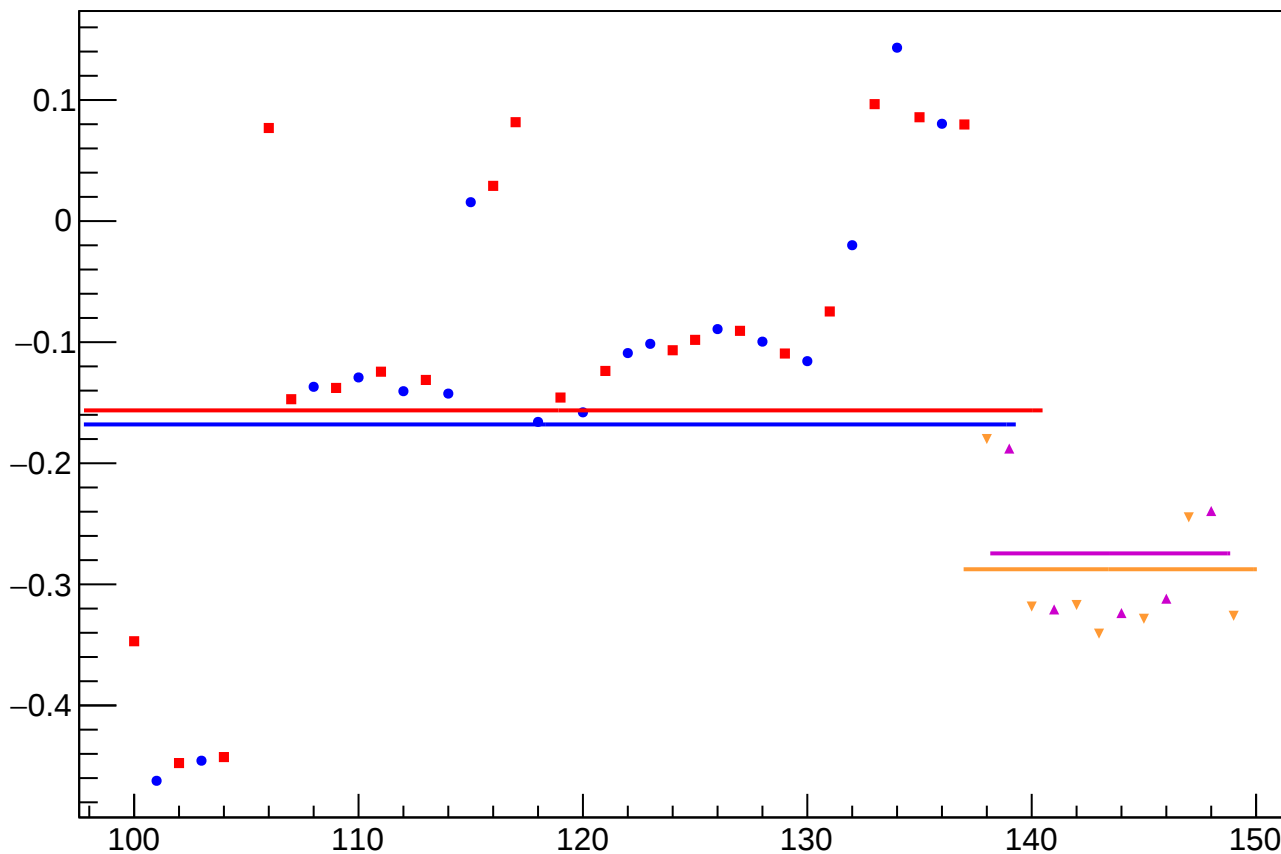
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 28022.6/4

0.010 $\pm$ 0.000 χ^2 /NDF: 337783.7/23

0.010 $\pm$ 0.000 χ^2 /NDF: 722688.9/48

0.010 $\pm$ 0.000 χ^2 /NDF: 371183.8/24

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.168 ± 0.000 $\chi^2/\text{NDF}: 12331812610.6/16$

Left Out: -0.288 ± 0.000 $\chi^2/\text{NDF}: 1771705039.2/6$

Right Out: -0.156 ± 0.000 $\chi^2/\text{NDF}: 11061140252.3/19$

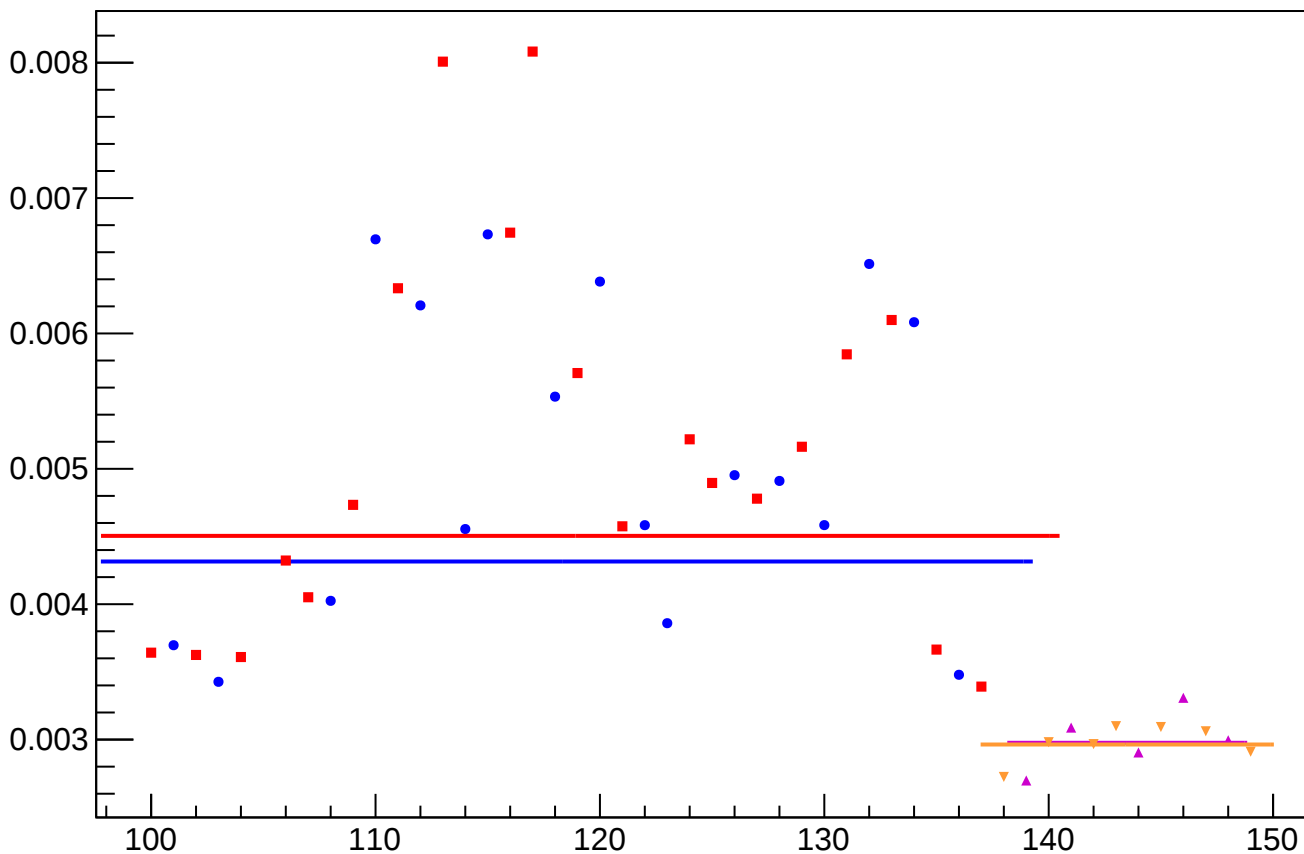
Left In: -0.274 ± 0.000 $\chi^2/\text{NDF}: 1278891571.5/4$

-0.243 ± 0.000 $\chi^2/\text{NDF}: 16896427475.0/23$

-0.234 ± 0.000 $\chi^2/\text{NDF}: 31839087711.8/4$

-0.224 ± 0.000 $\chi^2/\text{NDF}: 14807668582.6/24$

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 $\chi^2/\text{NDF}: 619744.7/16$

Left Out: 0.003+/-0.000 $\chi^2/\text{NDF}: 17527.7/6$

Right Out: 0.005+/-0.000 $\chi^2/\text{NDF}: 665152.6/19$

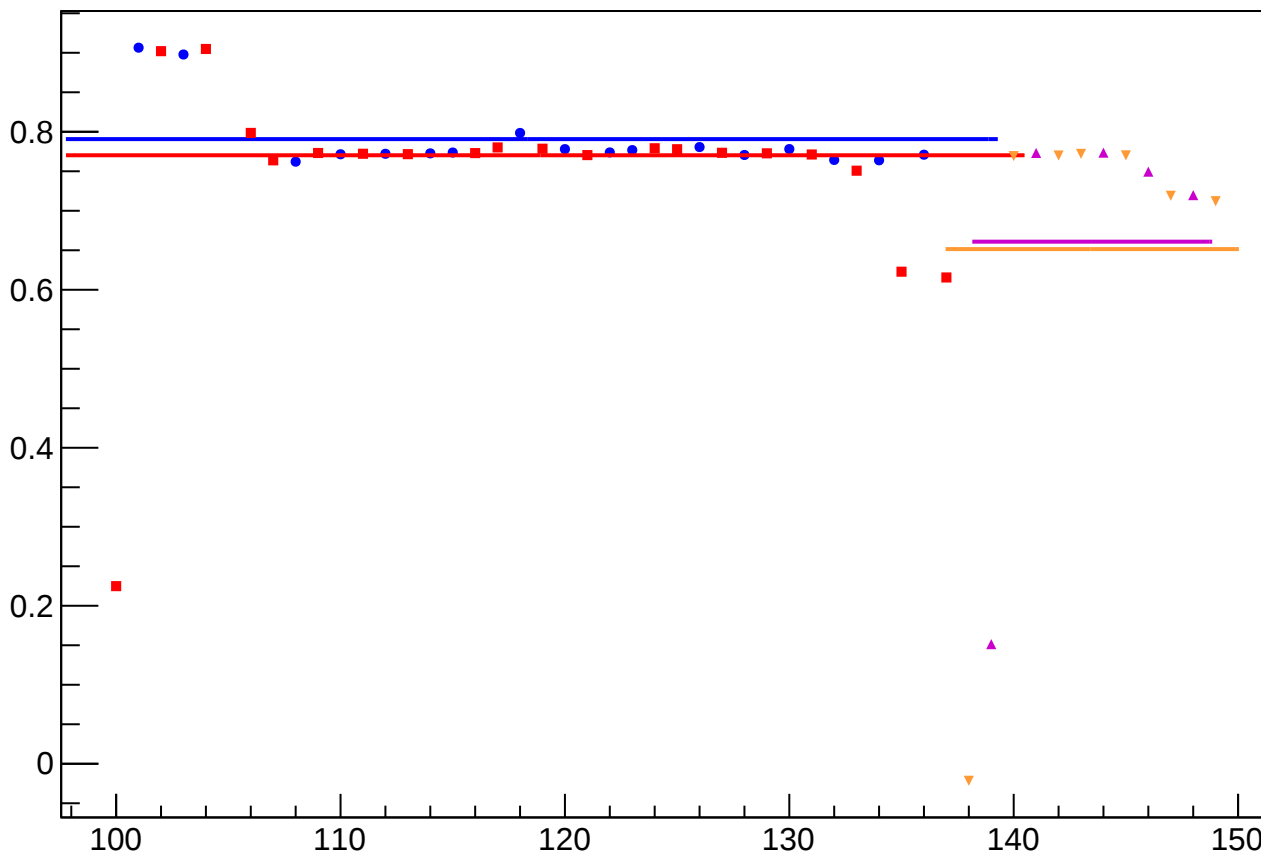
Left In: 0.003+/-0.000 $\chi^2/\text{NDF}: 31451.1/4$

0.003+/-0.000 $\chi^2/\text{NDF}: 1350923.0/23$

0.004+/-0.000 $\chi^2/\text{NDF}: 2893450.8/48$

0.004+/-0.000 $\chi^2/\text{NDF}: 1523180.8/24$

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

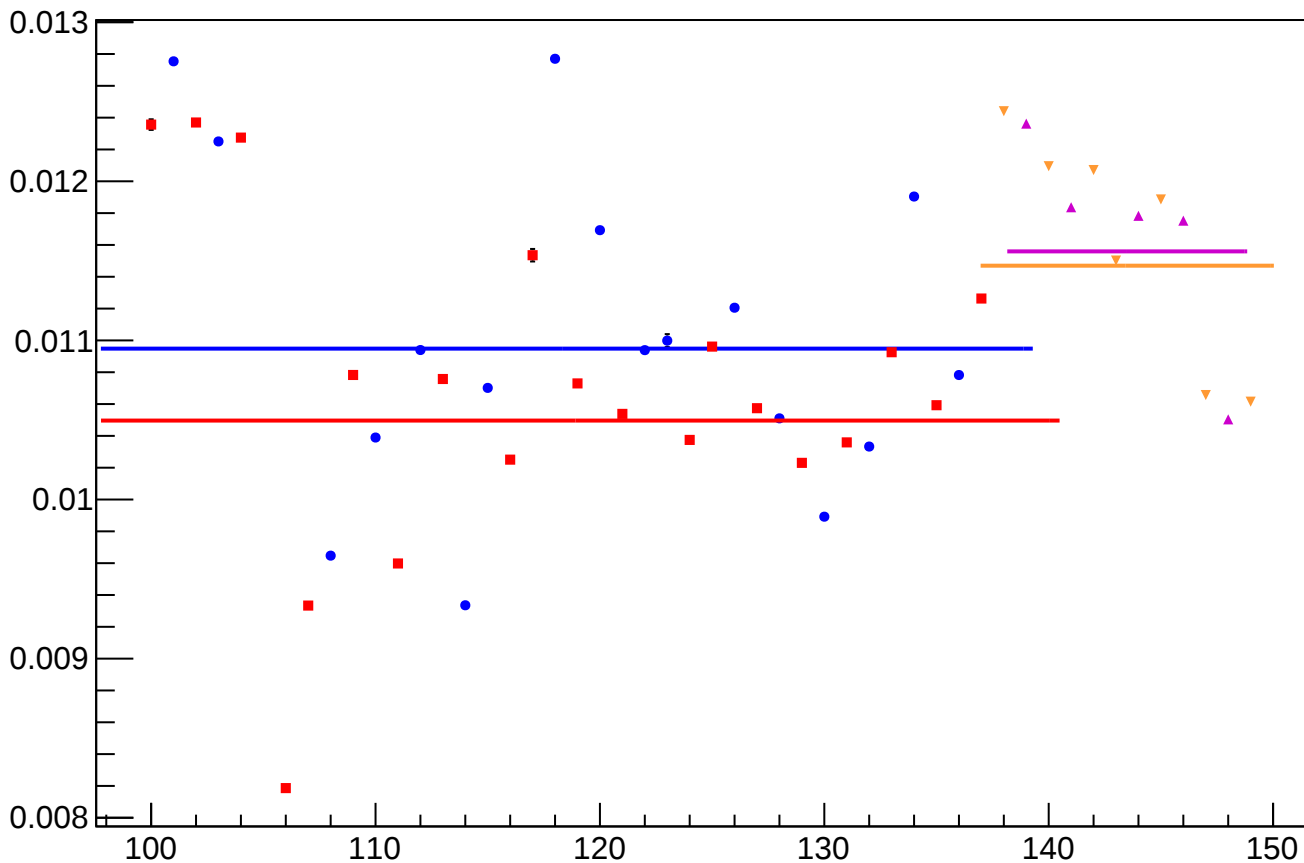
Left In: 0.661+/-0.000 χ^2/NDF : 1333422845.9/4

0.735+/-0.000 χ^2/NDF : 2826493916.8/23

0.736+/-0.000 χ^2/NDF : 4769299631.3/48

0.736+/-0.000 χ^2/NDF : 1942744945.1/24

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

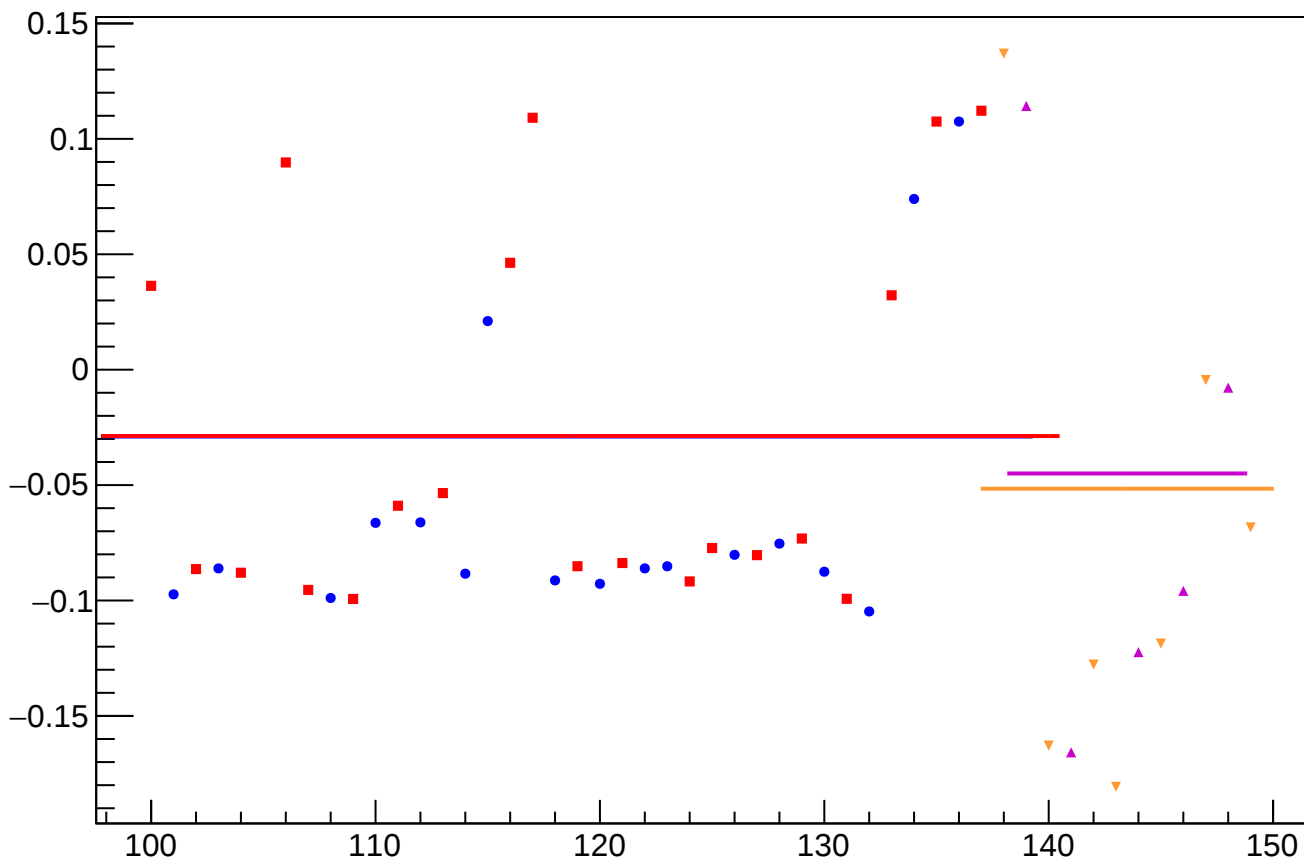
Left In: 0.012+/-0.000 χ^2/NDF : 23080.4/4

0.011+/-0.000 χ^2/NDF : 145180.8/23

0.011+/-0.000 χ^2/NDF : 342439.0/48

0.011+/-0.000 χ^2/NDF : 187400.4/24

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

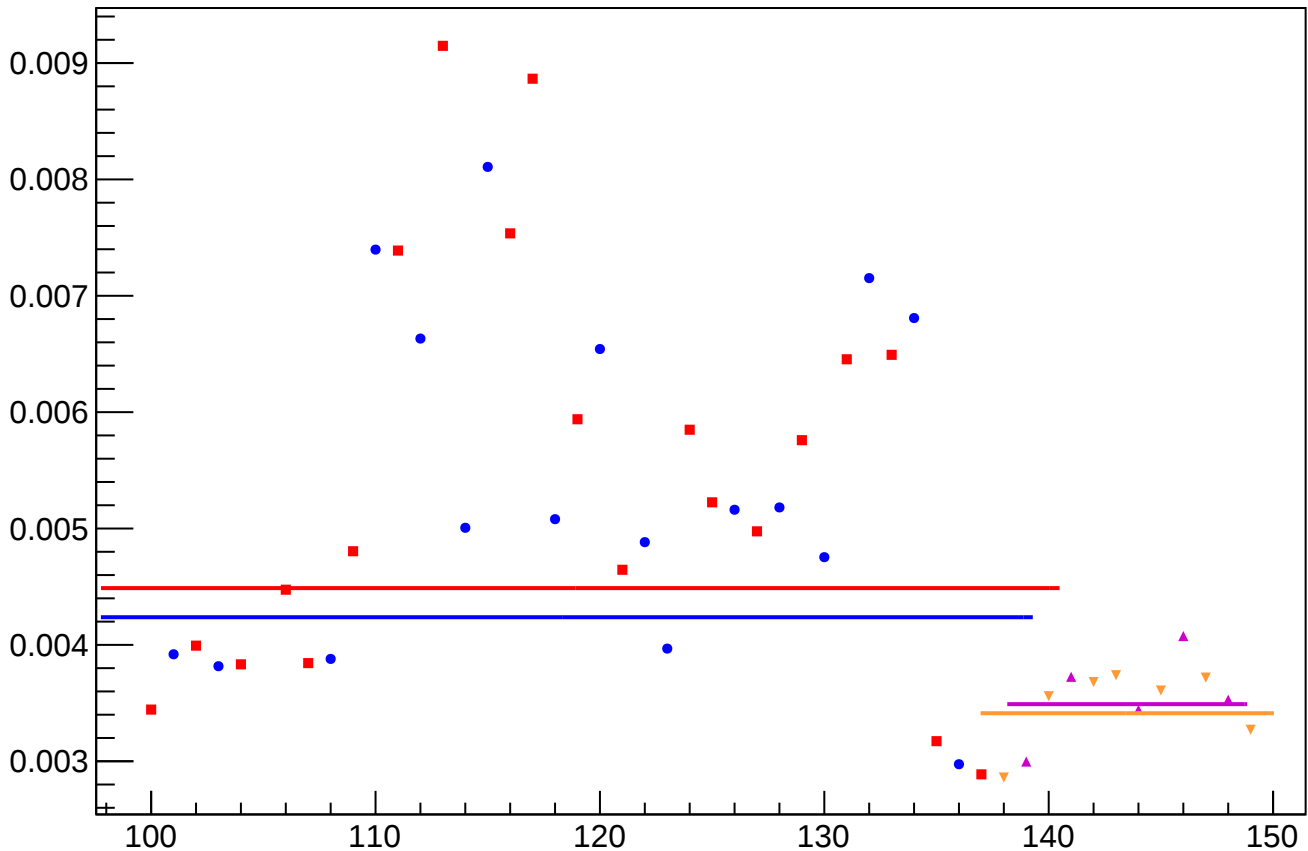
Left In: -0.045+/-0.000 χ^2/NDF : 3168980835.5/4

-0.041+/-0.000 χ^2/NDF : 7274840584.8/23

-0.039+/-0.000 χ^2/NDF : 12611666435.3/4

-0.037+/-0.000 χ^2/NDF : 5330102471.7/24

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 881584.1/16

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF : 81421.4/6

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 1003473.4/19

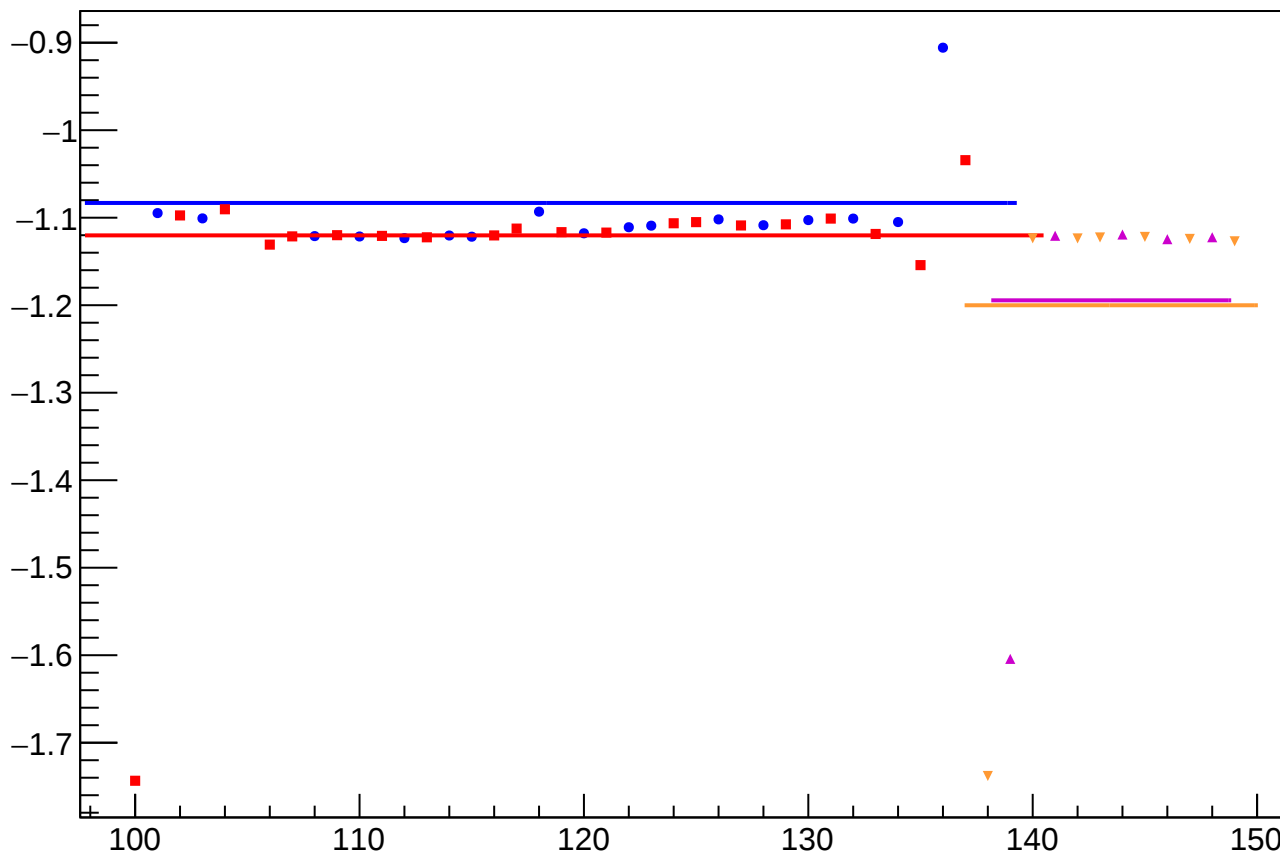
Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 68869.3/4

0.004 $\pm$ 0.000 χ^2/NDF : 1192580.5/23

0.004 $\pm$ 0.000 χ^2/NDF : 2581726.3/48

0.004 $\pm$ 0.000 χ^2/NDF : 1361513.0/24

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

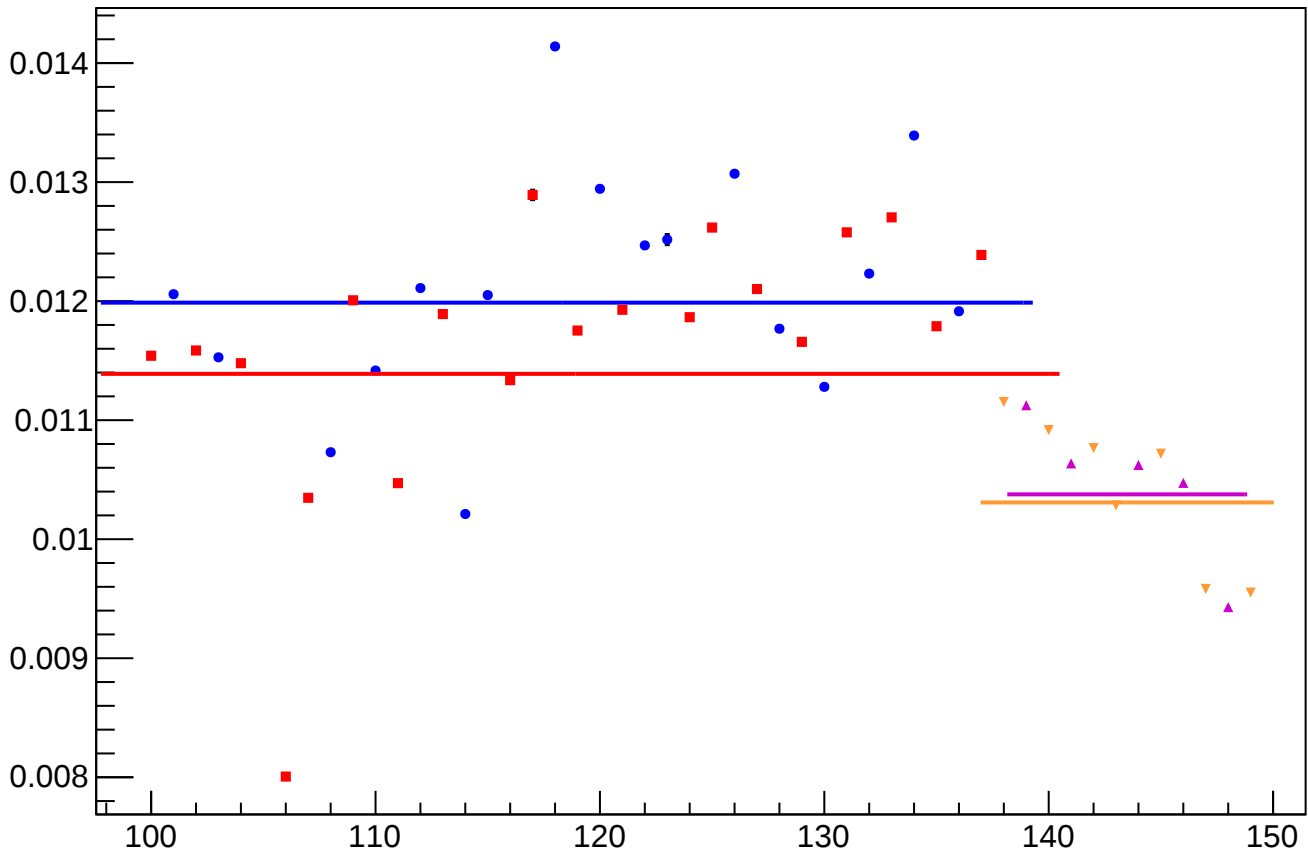
Left In: -1.194+/-0.000 χ^2/NDF : 1056994545.3/4

-1.141+/-0.000 χ^2/NDF : 2329240480.0/23

-1.146+/-0.000 χ^2/NDF : 3727156251.9/4

-1.150+/-0.000 χ^2/NDF : 1394714846.6/24

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

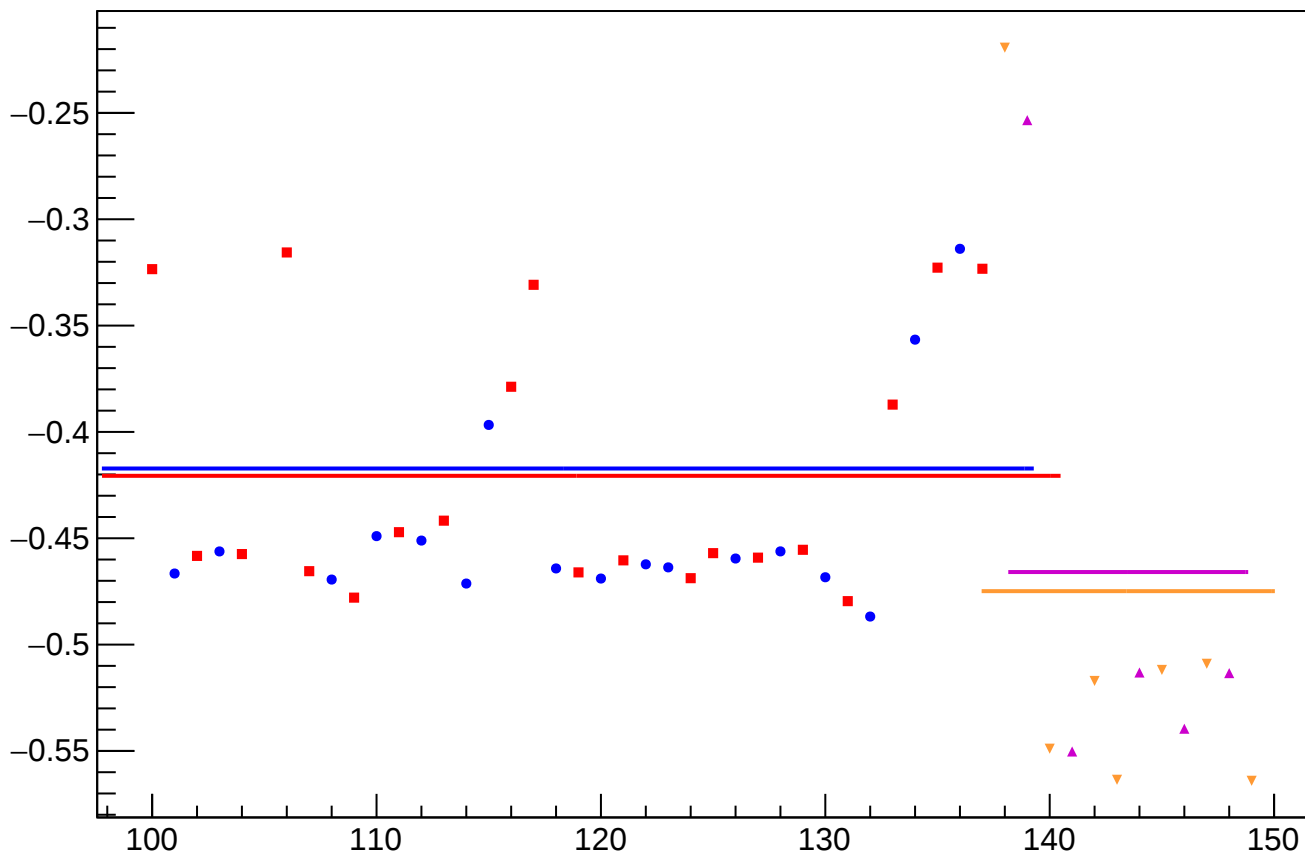
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 23762.7/4

0.011 $\pm$ 0.000 χ^2 /NDF: 220932.1/23

0.011 $\pm$ 0.000 χ^2 /NDF: 446453.1/48

0.011 $\pm$ 0.000 χ^2 /NDF: 223047.1/24

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.475+/-0.000 χ^2/NDF : 5072090055.2/6

Right Out: -0.421+/-0.000 χ^2/NDF : 1652792044.5/19

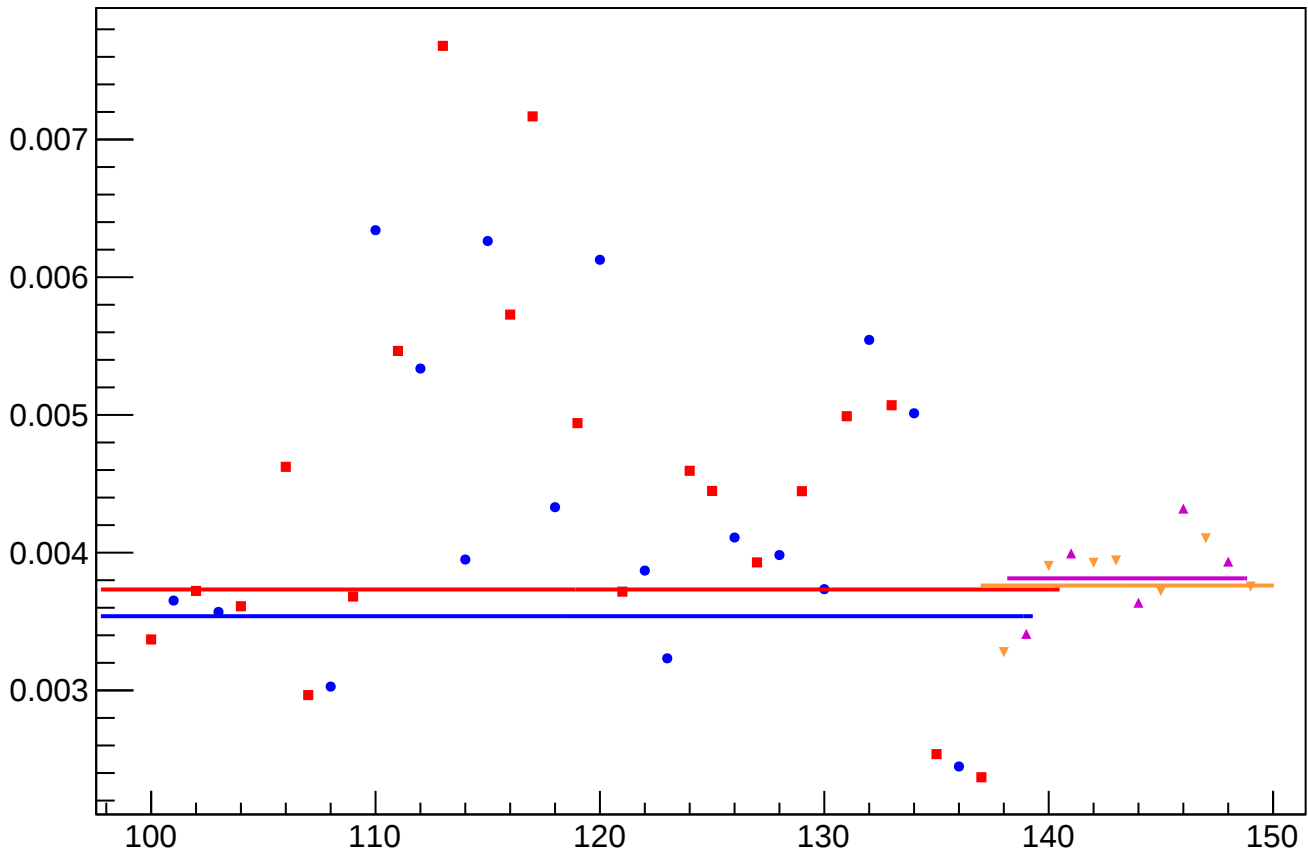
Left In: -0.466+/-0.000 χ^2/NDF : 3214804883.5/4

-0.441+/-0.000 χ^2/NDF : 7713516183.2/23

-0.439+/-0.000 χ^2/NDF : 12902155858.8/4

-0.437+/-0.000 χ^2/NDF : 5182657872.5/24

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

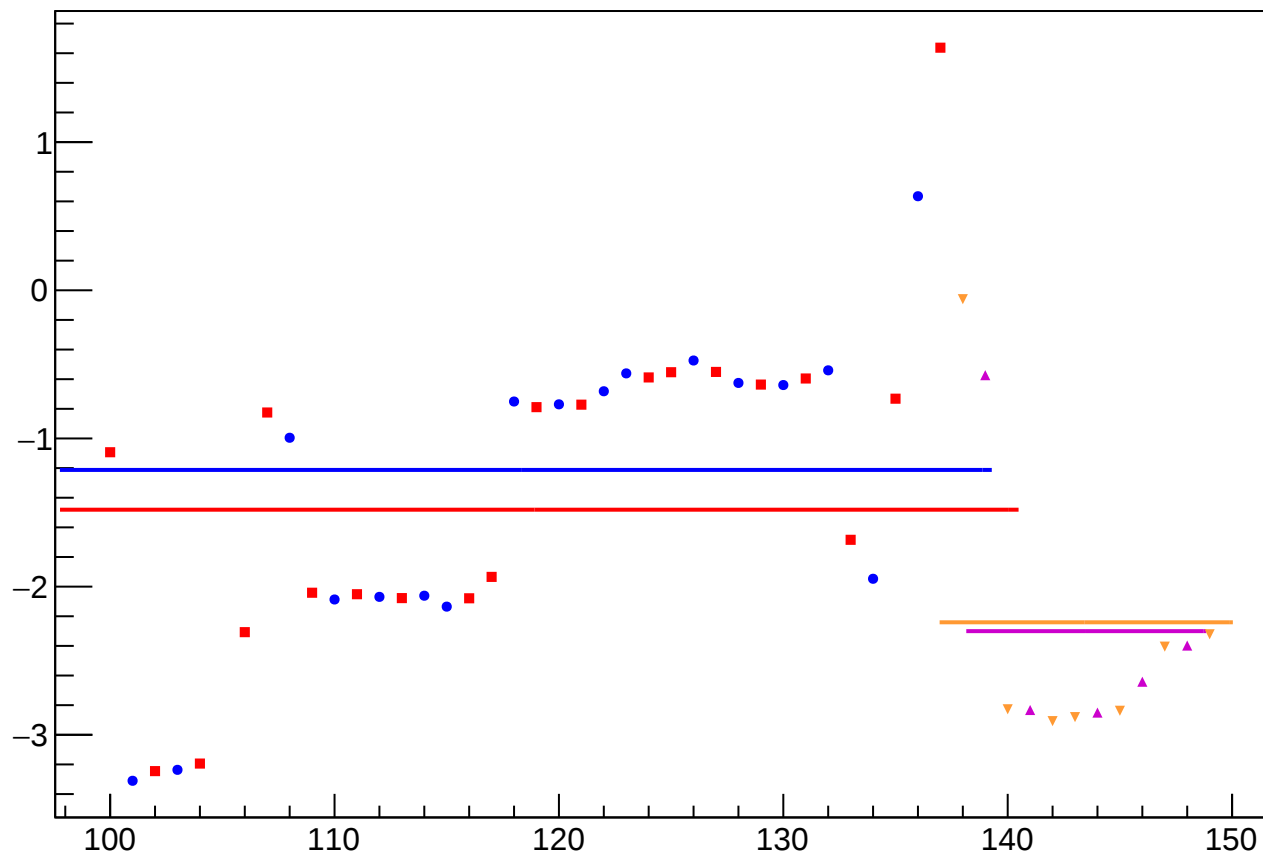
Left In: 0.004+/-0.000 χ^2/NDF : 44099.8/4

0.004+/-0.000 χ^2/NDF : 898371.7/23

0.004+/-0.000 χ^2/NDF : 1873420.9/48

0.004+/-0.000 χ^2/NDF : 963078.1/24

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.212 $\pm$ 0.000 χ^2/NDF : 1992853443.9/16

Left Out: -2.241 $\pm$ 0.000 χ^2/NDF : 849778816.9/6

Right Out: -1.481 $\pm$ 0.000 χ^2/NDF : 1579722113.8/19

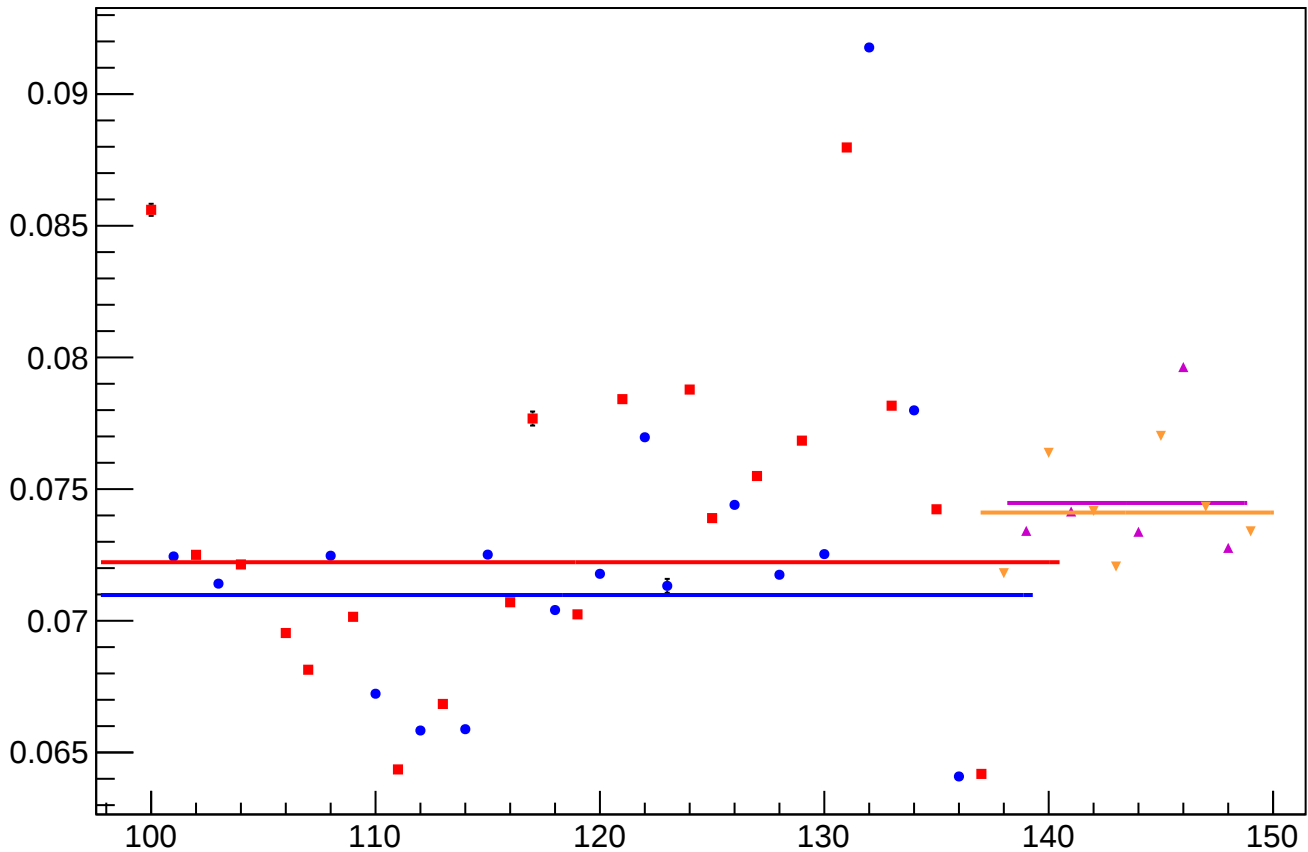
Left In: -2.300 $\pm$ 0.000 χ^2/NDF : 478731200.7/4

-1.625 $\pm$ 0.000 χ^2/NDF : 3396196453.3/23

-1.690 $\pm$ 0.000 χ^2/NDF : 5780465540.9/48

-1.760 $\pm$ 0.000 χ^2/NDF : 2365203498.2/24

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.071+/-0.000 χ^2/NDF : 77589.5/16

Left Out: 0.074+/-0.000 χ^2/NDF : 6077.4/6

Right Out: 0.072+/-0.000 χ^2/NDF : 73650.9/19

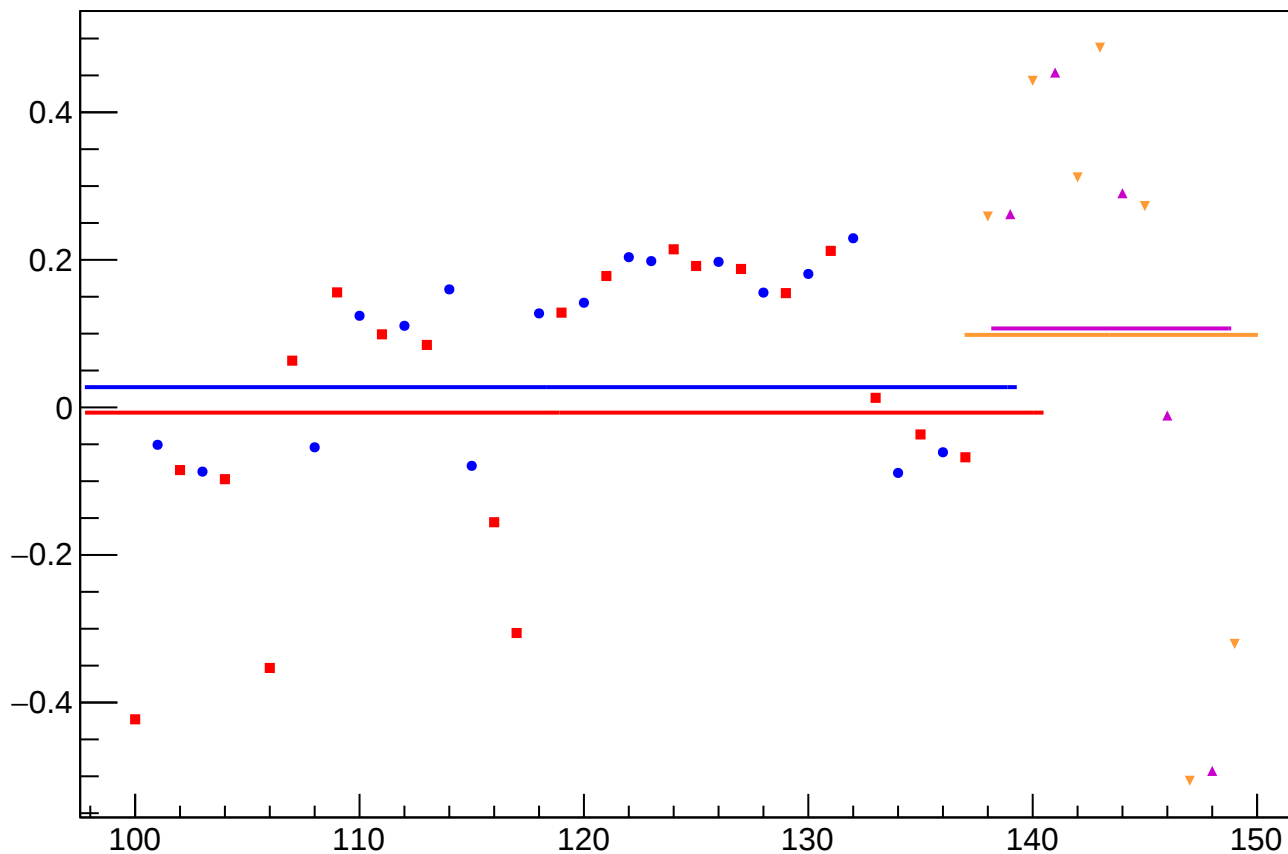
Left In: 0.074+/-0.000 χ^2/NDF : 7759.8/4

0.072+/-0.000 χ^2/NDF : 93935.2/23

0.073+/-0.000 χ^2/NDF : 181166.5/48

0.073+/-0.000 χ^2/NDF : 86034.4/24

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 0.027+/-0.000 χ^2/NDF : 562337631.4/16

Left Out: 0.098+/-0.000 χ^2/NDF : 8272414742.6/6

Right Out: -0.007+/-0.000 χ^2/NDF : 1207003891.2/19

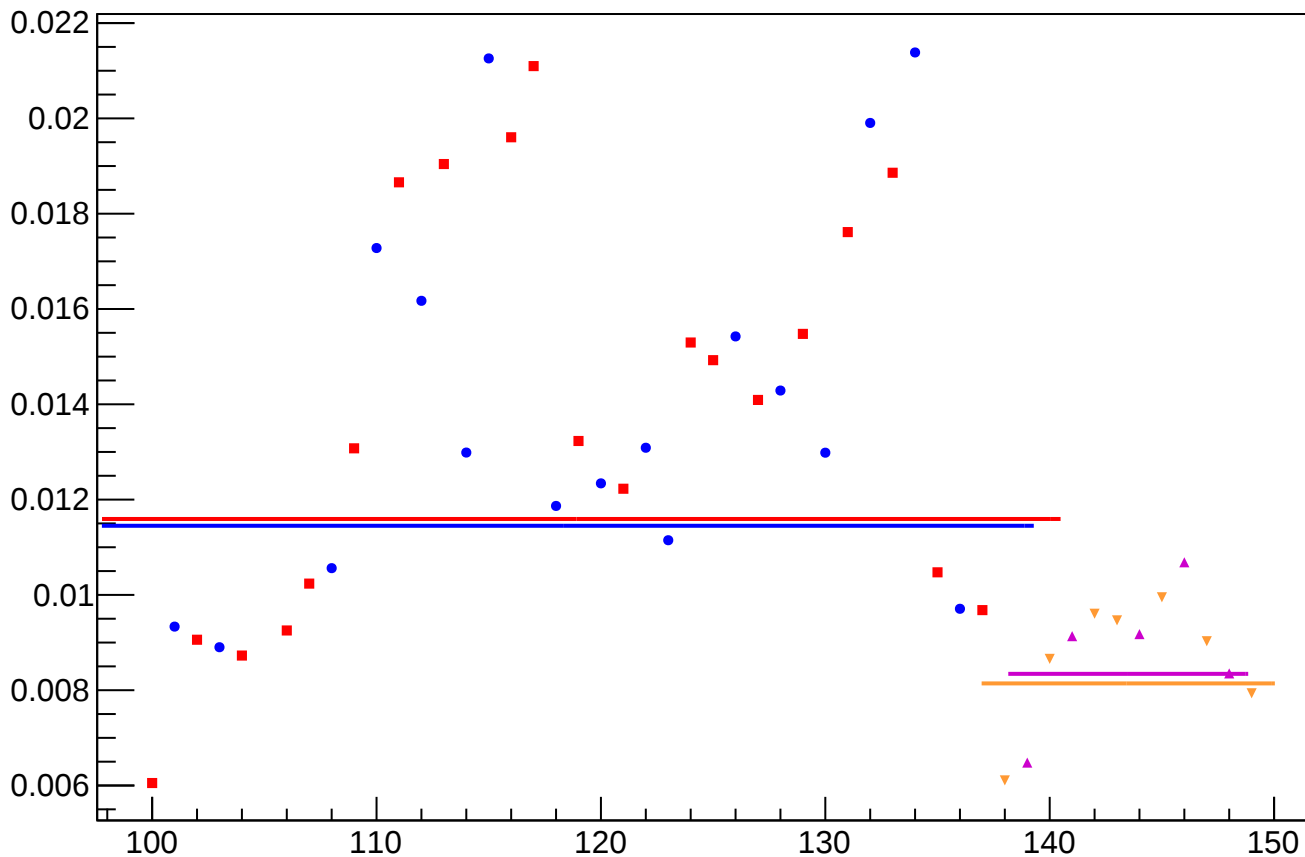
Left In: 0.107+/-0.000 χ^2/NDF : 5700915300.7/4

0.070+/-0.000 χ^2/NDF : 8966381962.6/23

0.062+/-0.000 χ^2/NDF : 16194036982.4/4

0.053+/-0.000 χ^2/NDF : 7213867269.4/24

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

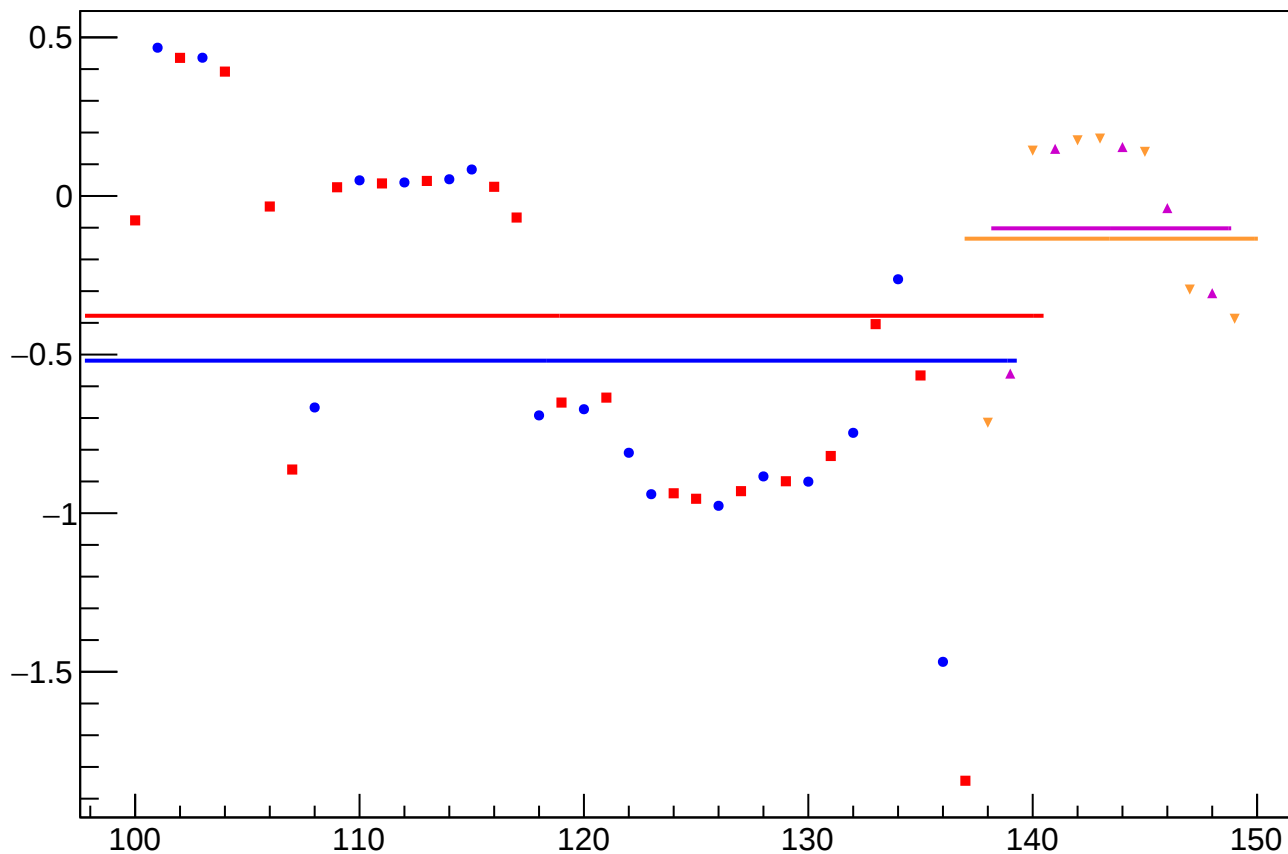
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 193487.0/4

0.009 $\pm$ 0.000 χ^2/NDF : 1507743.2/23

0.010 $\pm$ 0.000 χ^2/NDF : 3226767.8/48

0.010 $\pm$ 0.000 χ^2/NDF : 1702767.6/24

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.519 $\pm$ 0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.135 $\pm$ 0.000 χ^2/NDF : 75020991.1/6

Right Out: -0.378 $\pm$ 0.000 χ^2/NDF : 269130827.6/19

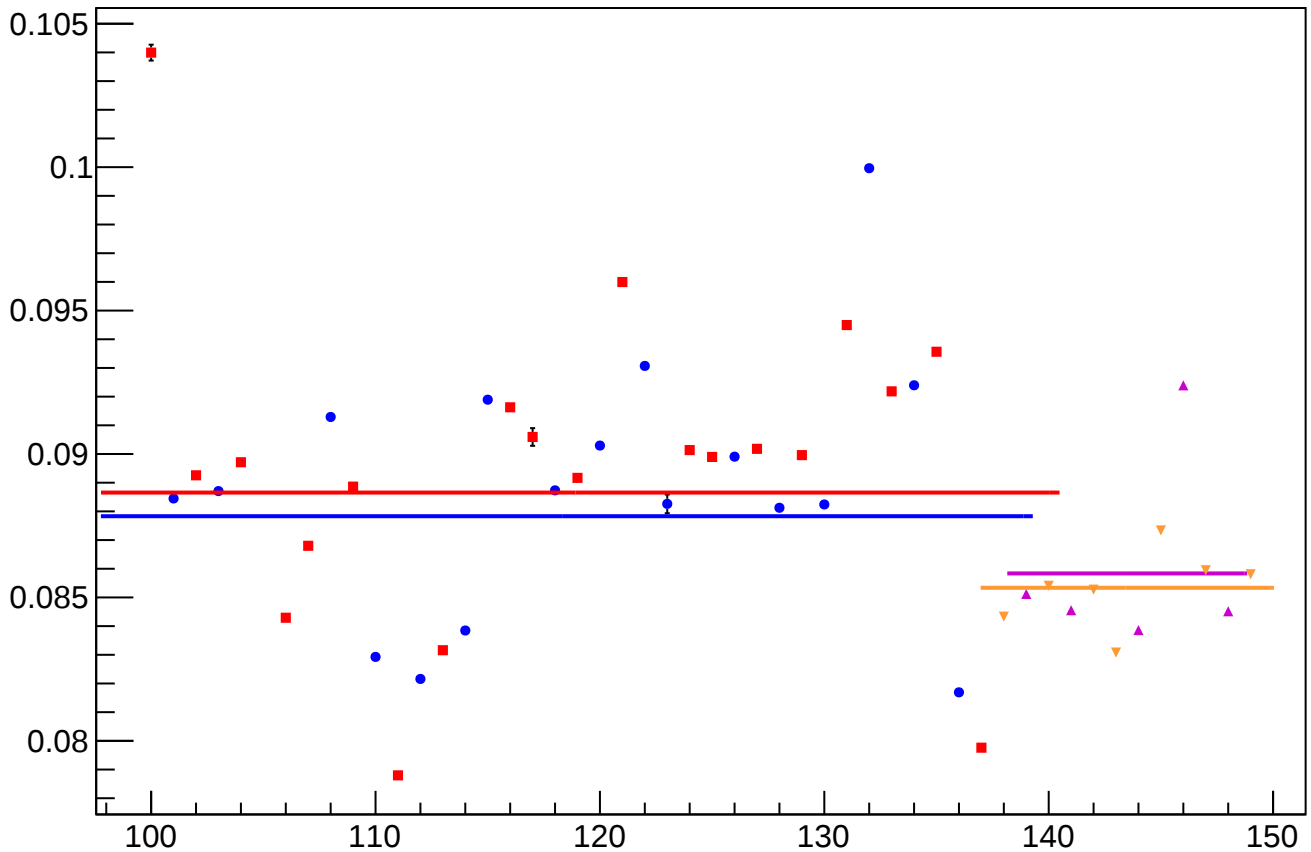
Left In: -0.102 $\pm$ 0.000 χ^2/NDF : 39996761.8/4

-0.351 $\pm$ 0.000 χ^2/NDF : 470568547.0/23

-0.314 $\pm$ 0.000 χ^2/NDF : 809509629.5/48

-0.275 $\pm$ 0.000 χ^2/NDF : 334718689.9/24

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

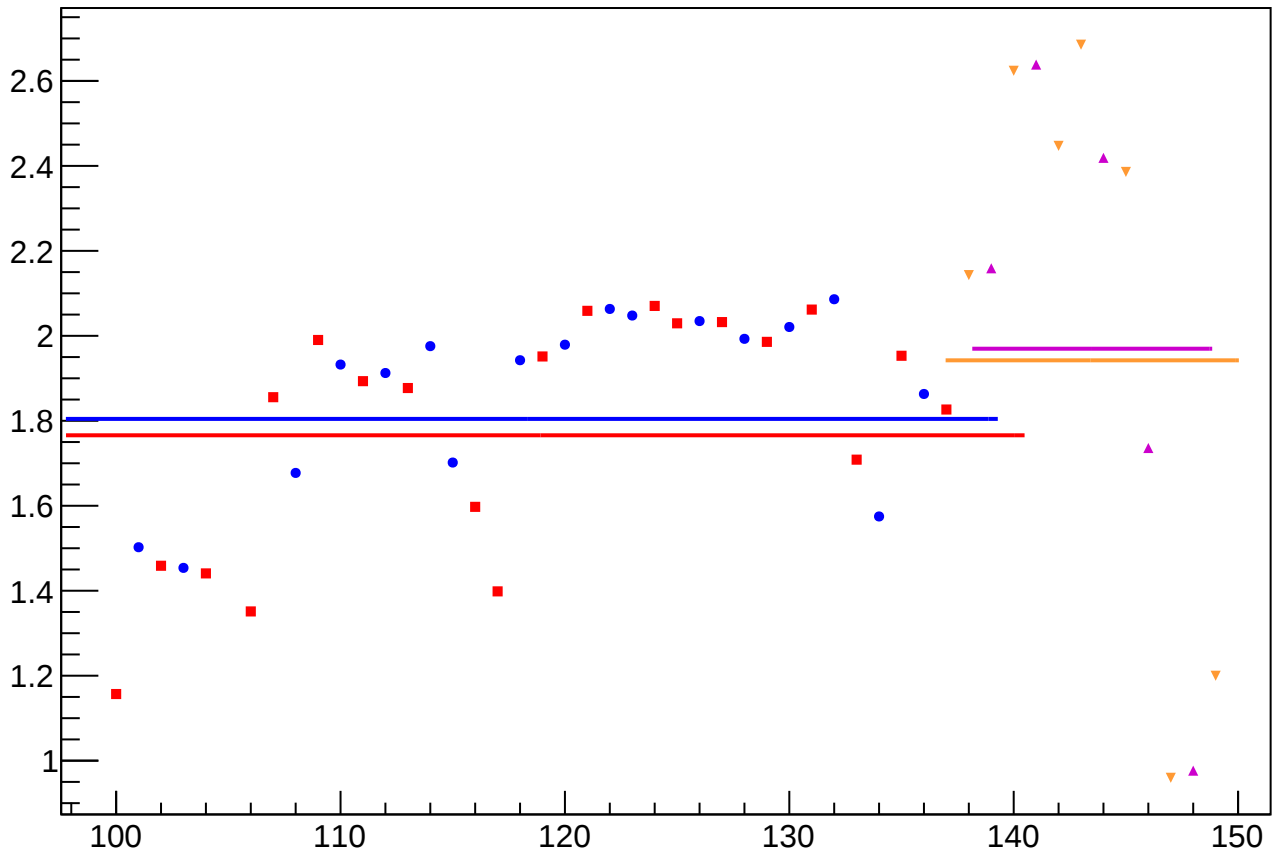
Left In: 0.086 $\pm$ 0.000 χ^2 /NDF: 9731.3/4

0.087 $\pm$ 0.000 χ^2 /NDF: 41770.4/23

0.087 $\pm$ 0.000 χ^2 /NDF: 97753.3/48

0.088 $\pm$ 0.000 χ^2 /NDF: 54848.9/24

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

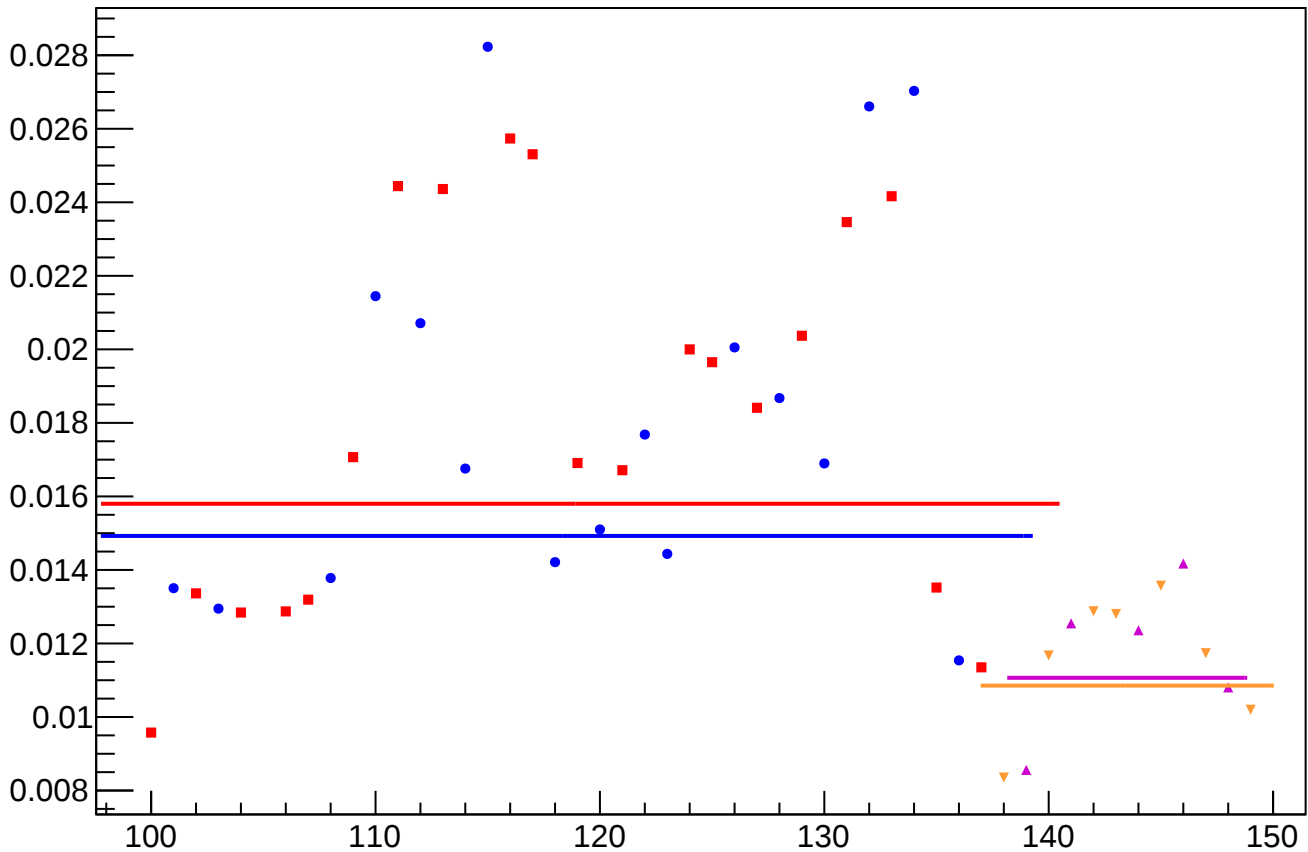
Left In: 1.970 $\pm$ 0.000 χ^2/NDF : 9979883208.1/4

1.886 $\pm$ 0.000 χ^2/NDF : 16599560736.0/23

1.881 $\pm$ 0.000 χ^2/NDF : 28843860319.5/4

1.876 $\pm$ 0.000 χ^2/NDF : 12241386270.8/24

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

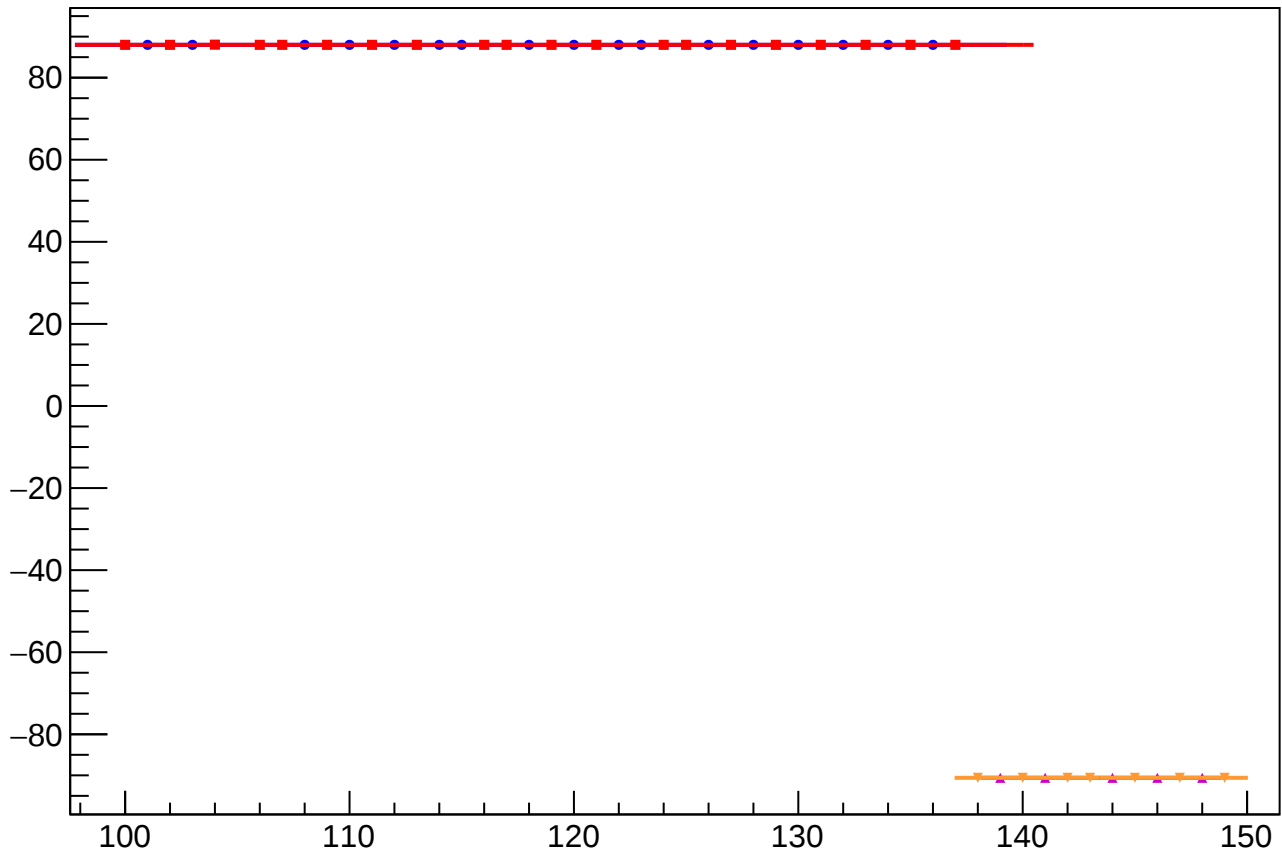
Left In: 0.011 +/- 0.000 χ^2/NDF : 214096.4/4

0.013 +/- 0.000 χ^2/NDF : 1397116.5/23

0.013 +/- 0.000 χ^2/NDF : 3025876.2/48

0.013 +/- 0.000 χ^2/NDF : 1598476.1/24

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

11.837+/-0.000 χ^2/NDF : 944031989077685000

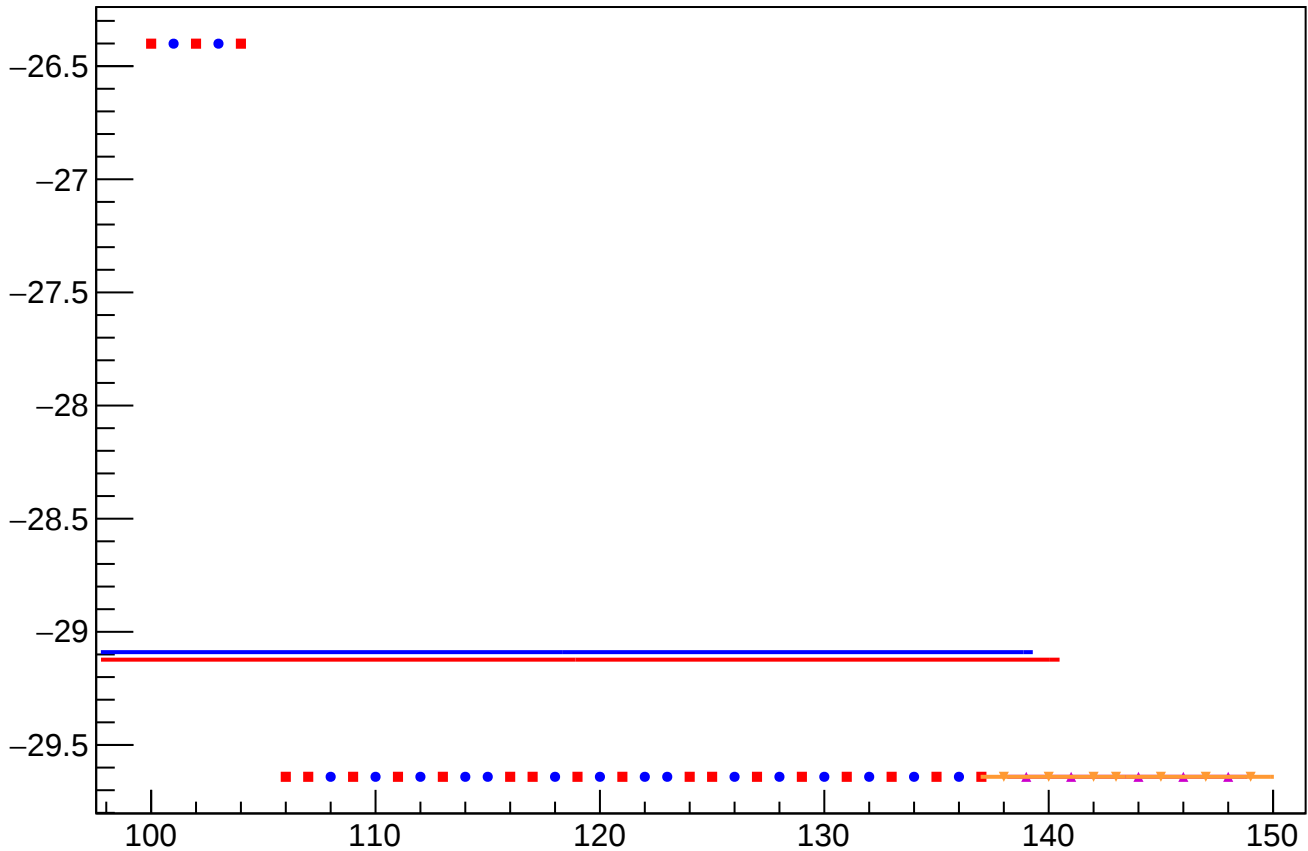
Right Out: 88.004+/-0.000 χ^2/NDF : 77578366411928007427611426816.0/19

17.506+/-0.000 χ^2/NDF : 1787892075207

23.543+/-0.000 χ^2/NDF : 835831776016423940

Left In: -90.599+/-0.000 χ^2/NDF : 799513.7/4

epics_HWienAngles_mean vs Slug, 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

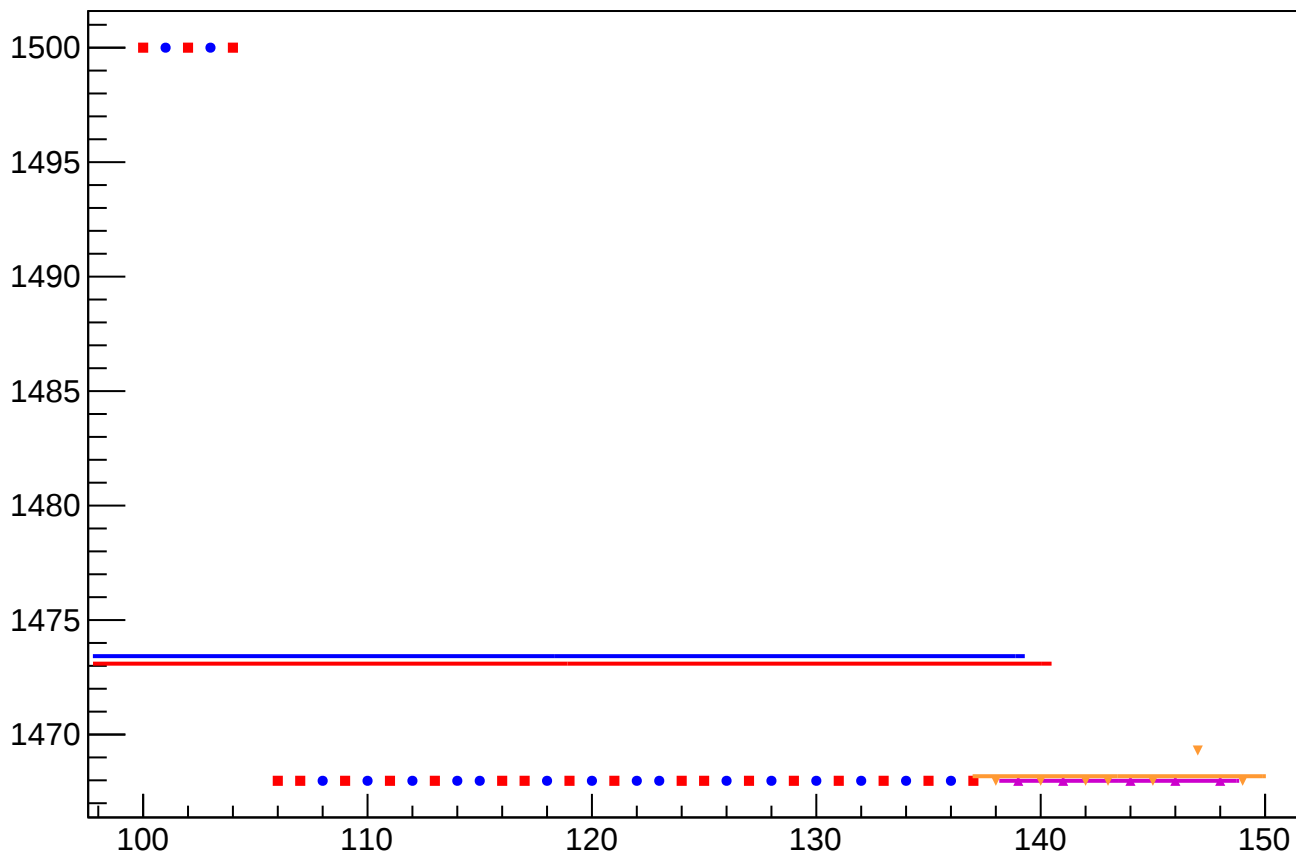
Left In: -29.641+/-0.000 χ^2/NDF : 28777.6/4

-29.325+/-0.000 χ^2/NDF : 11179163186776832

-29.318+/-0.000 χ^2/NDF : 221142280511

-29.310+/-0.000 χ^2/NDF : 10933767887323853

epics_psub_pl_poss_mean vs Slug, Sign Corrected



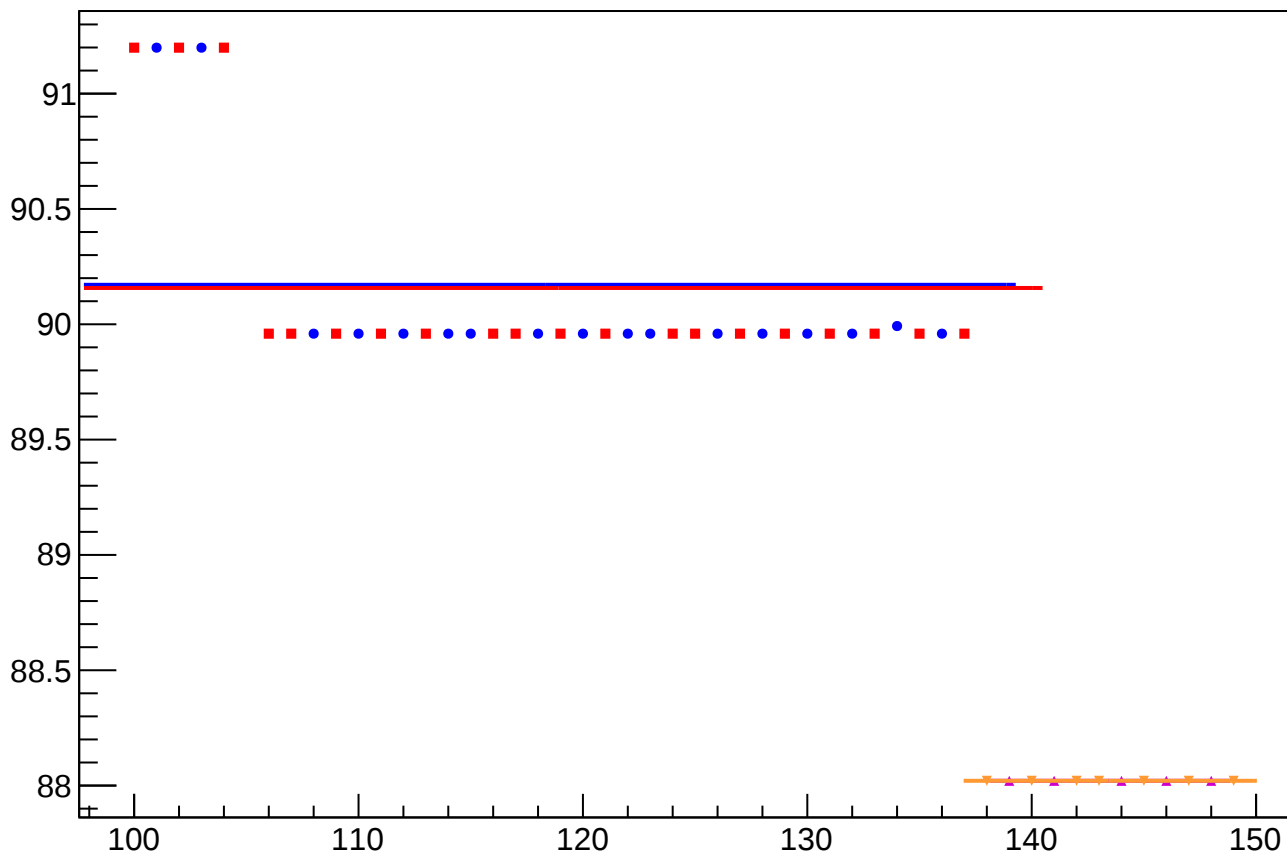
Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

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 :40790344.0/4

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

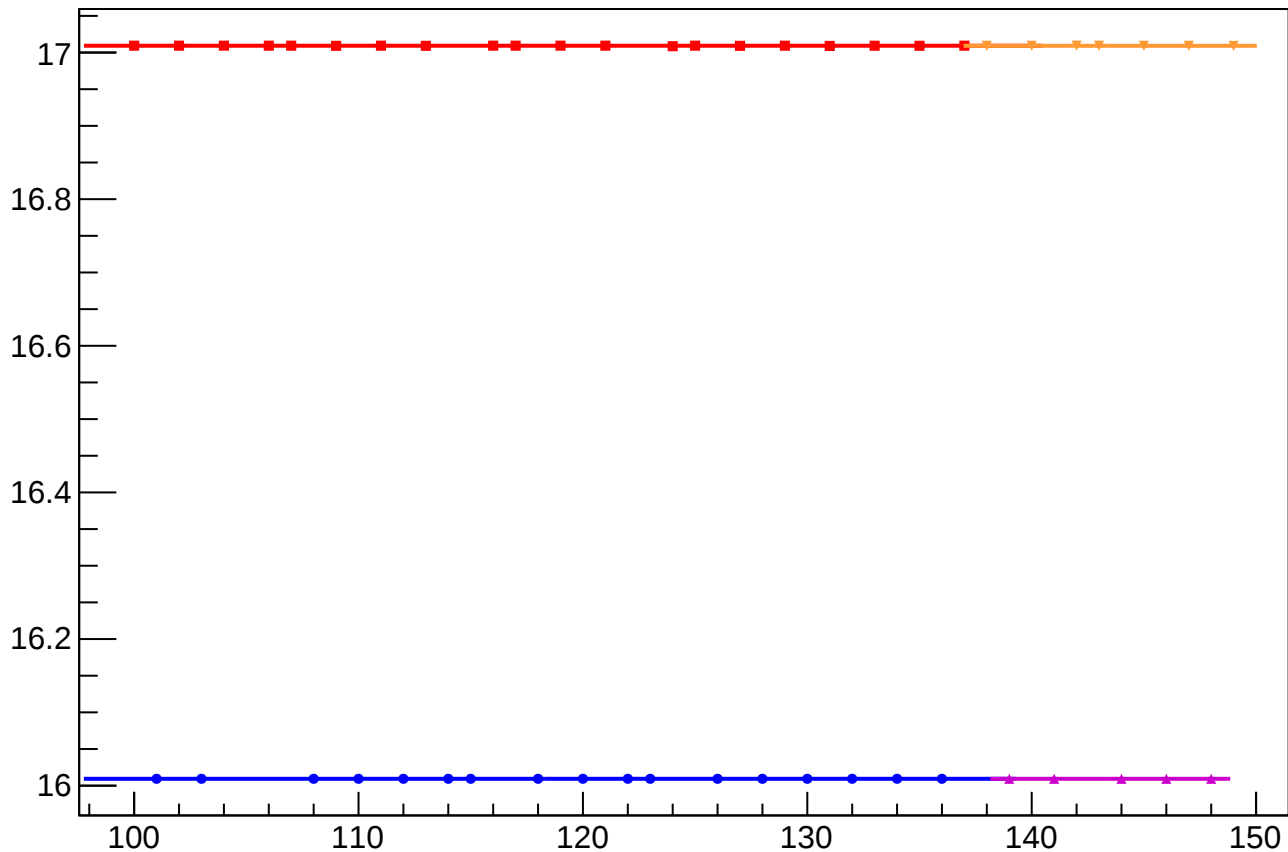
Left In: 88.021+/-0.000 χ^2/NDF : 855857.3/4

89.254+/-0.000 χ^2/NDF : 151890964477197450

89.318+/-0.000 χ^2/NDF : 2875299192472

89.386+/-0.000 χ^2/NDF : 134615607021077500

epics_IGL1I00DI24_24Ms_mean vs Slug, Sign Corrected



Right In: 16.009 ± 0.000 $\chi^2/\text{NDF}: 44327.7/16$

Left Out: 17.009 ± 0.000 $\chi^2/\text{NDF}: 4403417464622641215176704.0/6$

Right Out: 17.009 ± 0.000 $\chi^2/\text{NDF}: 12548783366686740957888512.0/19$

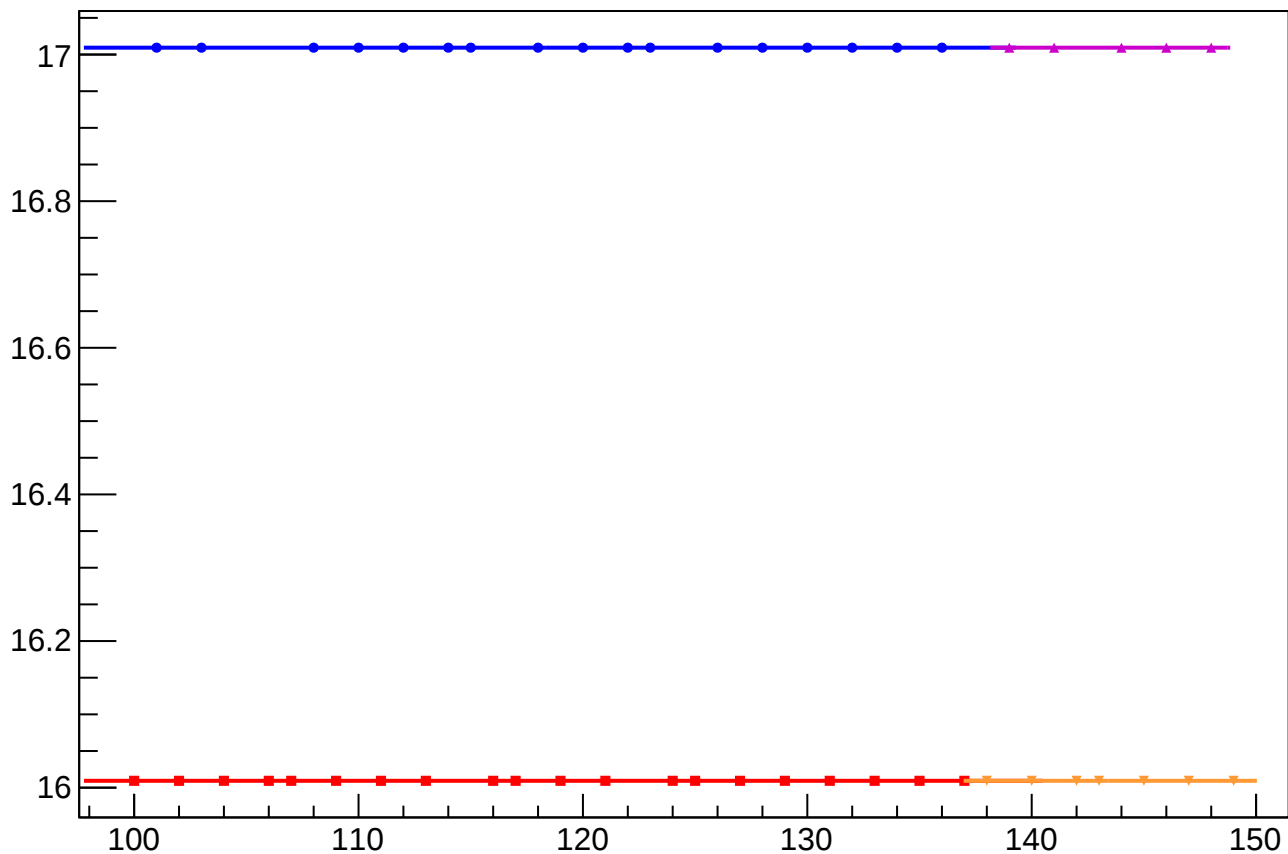
Left In: 16.009 ± 0.000 $\chi^2/\text{NDF}: 19803.6/4$

16.425 ± 0.000 $\chi^2/\text{NDF}: 275105418594596042$

16.527 ± 0.000 $\chi^2/\text{NDF}: 5444347475706$

16.637 ± 0.000 $\chi^2/\text{NDF}: 244822235439545143$

epics_IGL1I00OD16_16s_mean vs Slug, Sign Corrected



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 132629.6/16

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 17266.6/6

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 42750.0/19

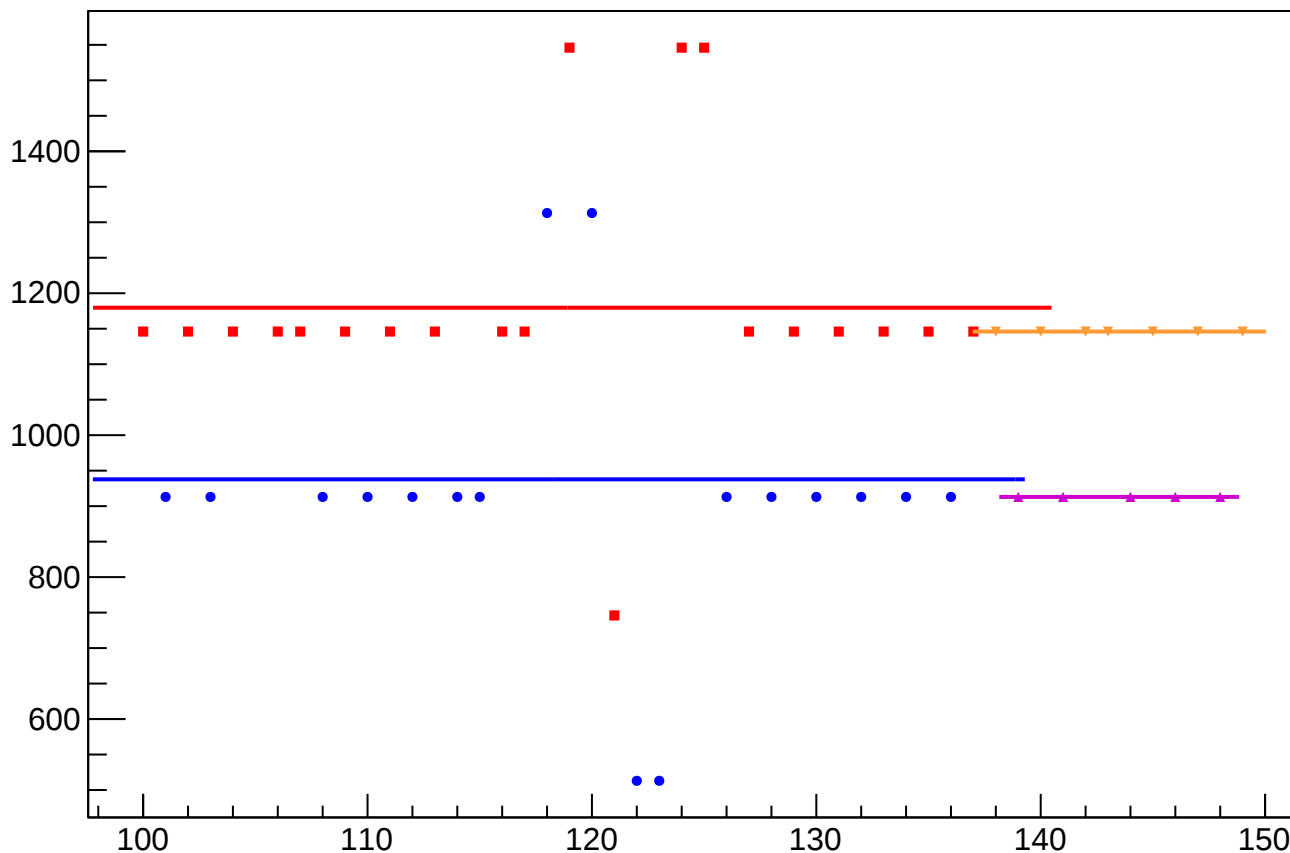
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 9870.2/4

16.575 $\pm$ 0.000 χ^2 /NDF: 28743247863247356

16.476 $\pm$ 0.000 χ^2 /NDF: 5721374510656

16.373 $\pm$ 0.000 χ^2 /NDF: 261107174490677129

epics_RTPAPOSUCNTs_mean vs Slug, Sign Corrected



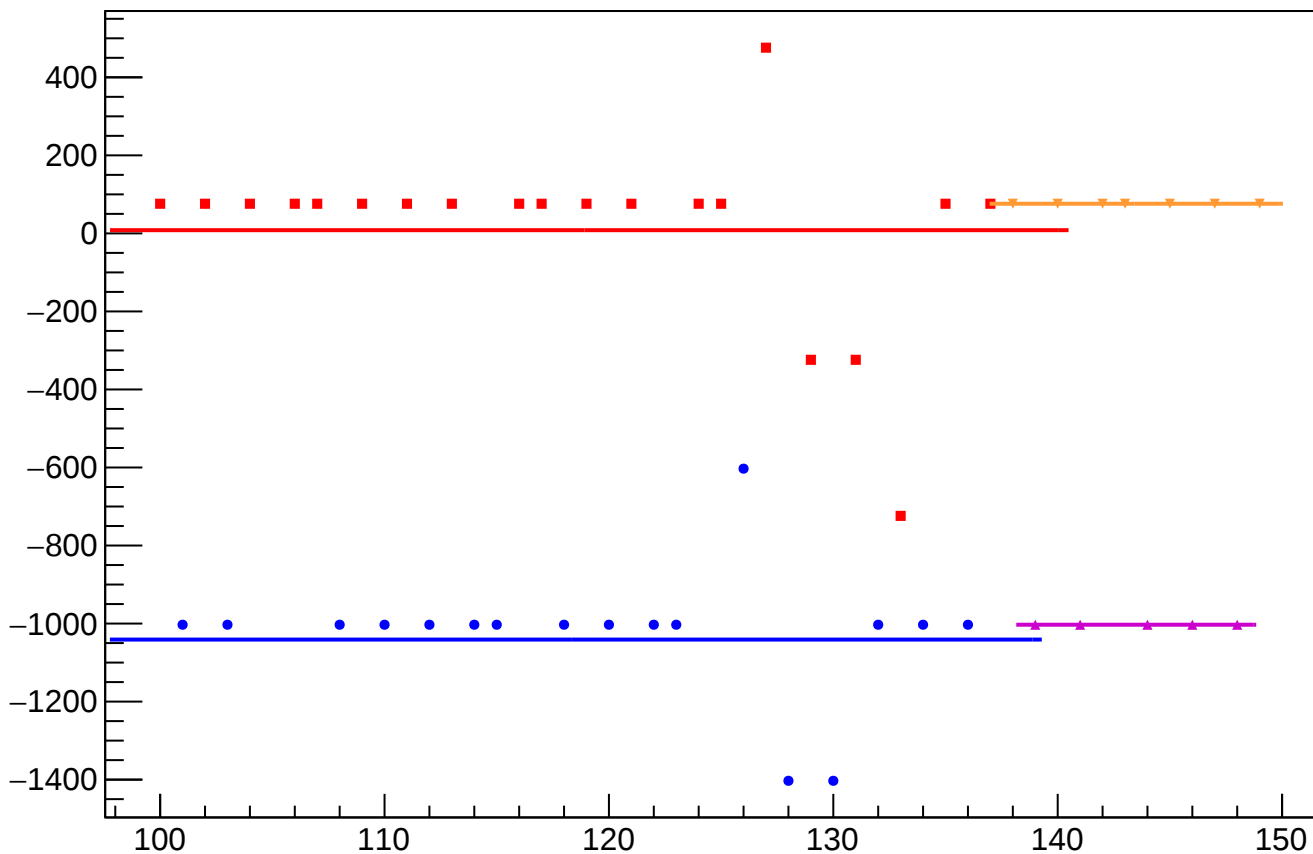
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

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 : 8691094281987820851602391040.0/4

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 : 656940044501477242787856384.0/4