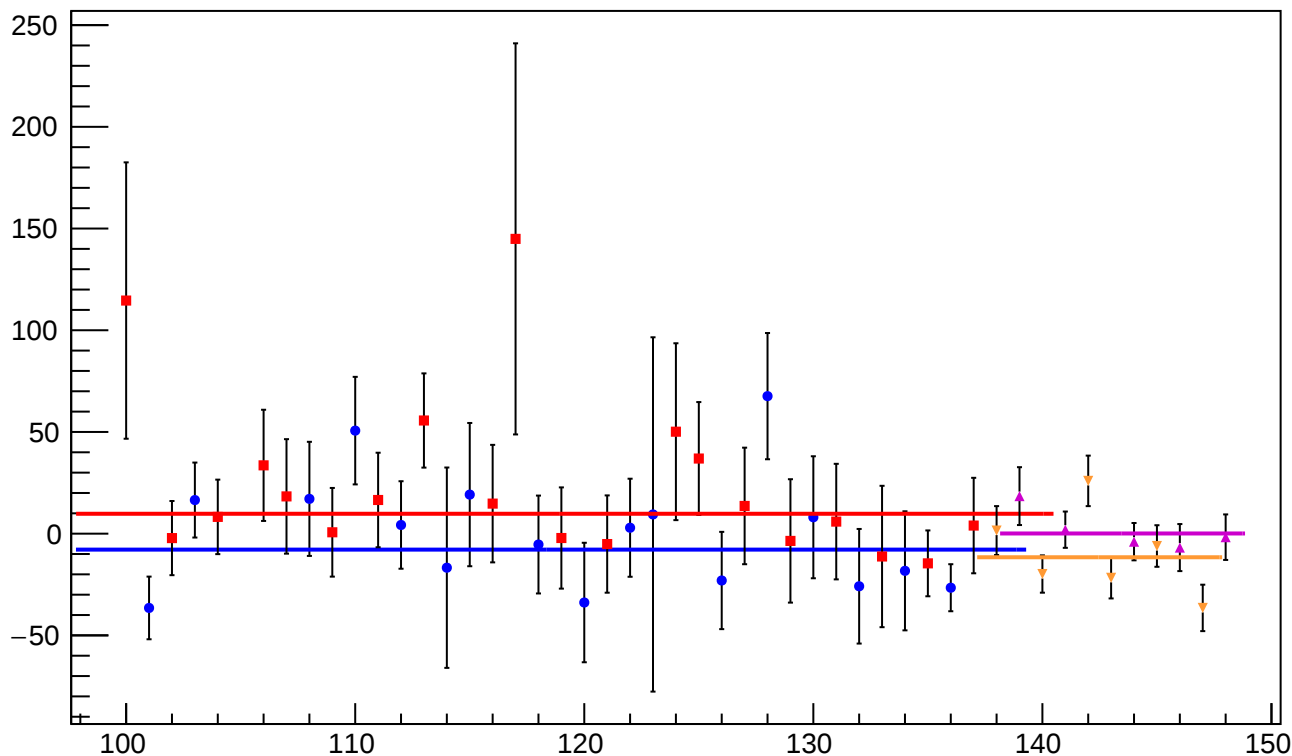


diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.841 ± 5.608

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

Left Out: -11.600 ± 4.374

$\chi^2/\text{NDF}: 17.2/5$

Right Out: 9.781 ± 5.667

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

Left In: 0.093 ± 4.722

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

-10.178 ± 3.449

$\chi^2/\text{NDF}: 40.1/22$

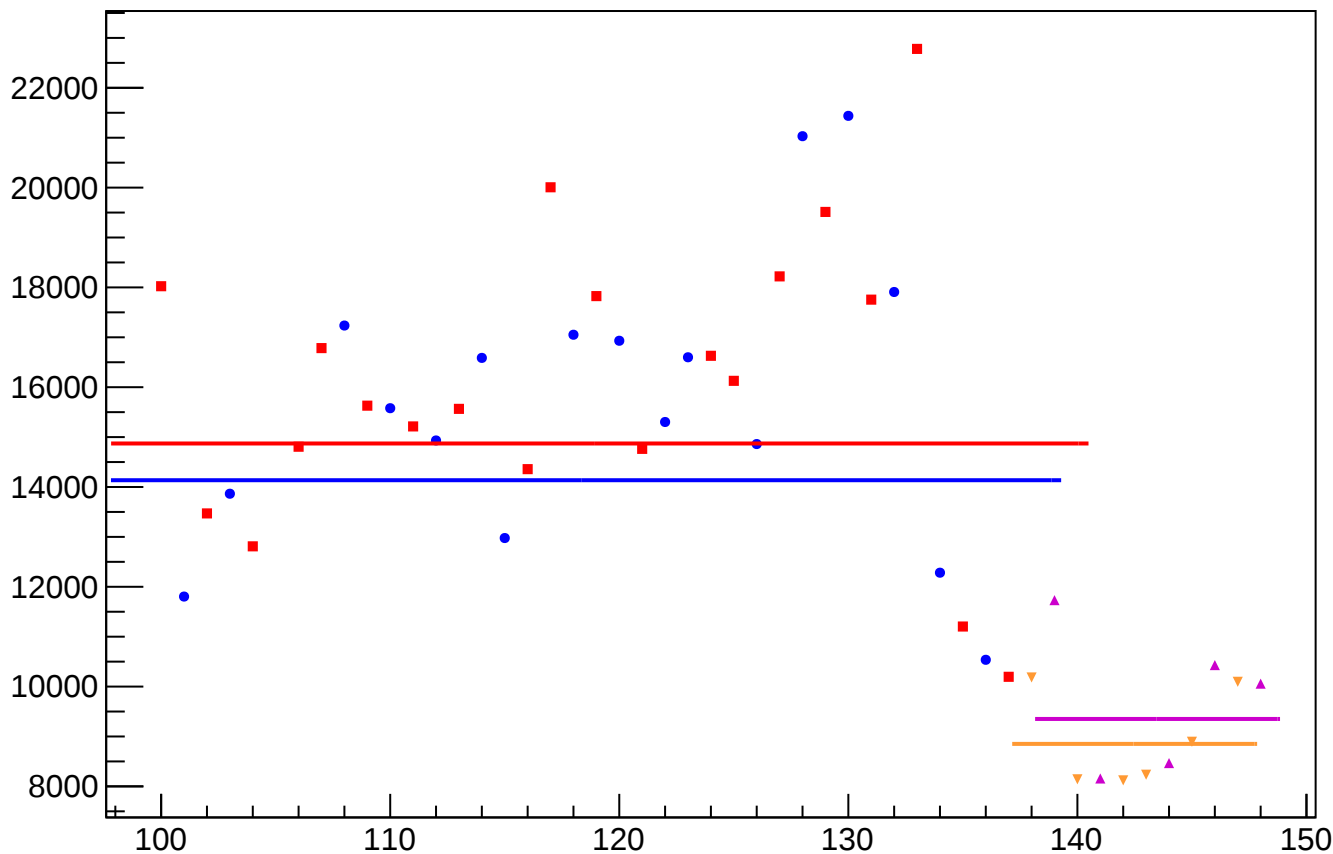
-3.417 ± 2.500

$\chi^2/\text{NDF}: 67.4/47$

4.062 ± 3.628

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

diff_bpm4aX_rms vs Slug, Sign Corrected



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

Left Out: 8851.447 $\pm$ 3.093 χ^2/NDF : 74675.4/5

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

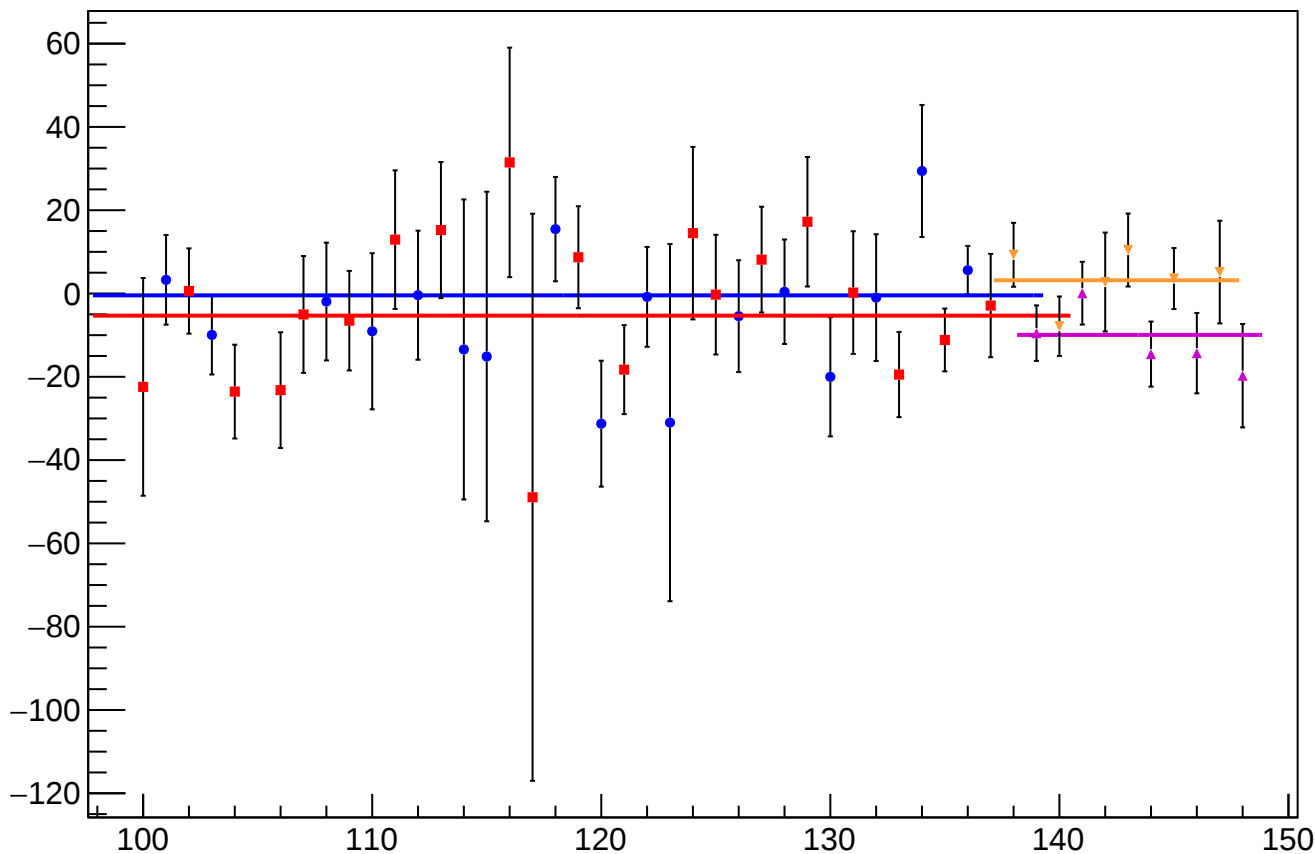
Left In: 9351.210 $\pm$ 3.339 χ^2/NDF : 135814.2/4

10850.011 $\pm$ 2.439 χ^2/NDF : 1775923.9/22

11212.382 $\pm$ 1.767 χ^2/NDF : 3556215.0/4

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

diff_bpm4aY_mean vs Slug, Sign Corrected



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

Left Out: 3.177 ± 3.493 χ^2/NDF : 3.7/5

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

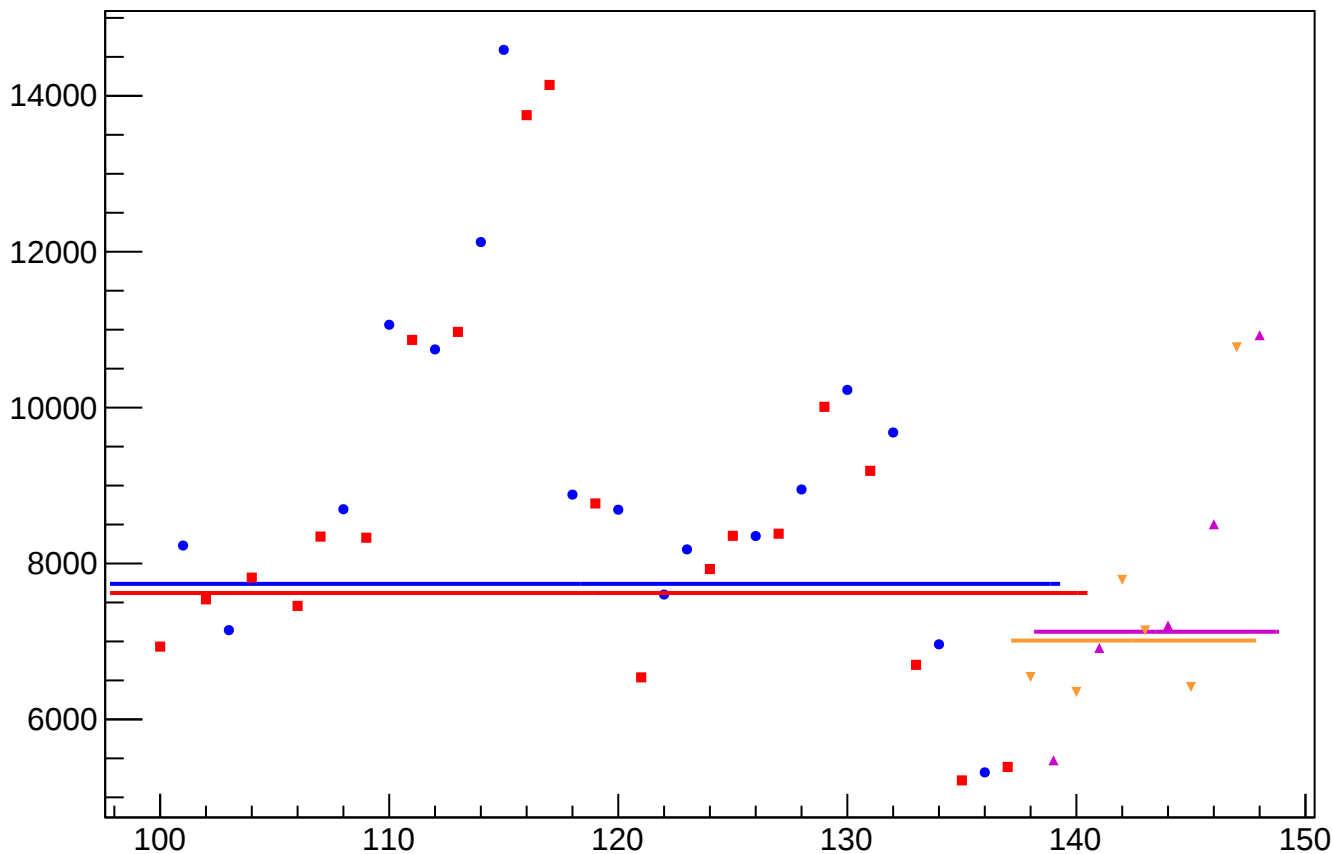
Left In: -9.942 ± 3.682 χ^2/NDF : 2.9/4

1.136 ± 2.306 χ^2/NDF : 18.9/22

-3.008 ± 1.627 χ^2/NDF : 49.0/47

-7.108 ± 2.294 χ^2/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: 7011.380 $\pm$ 2.470 χ^2 /NDF:233193.6/5

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

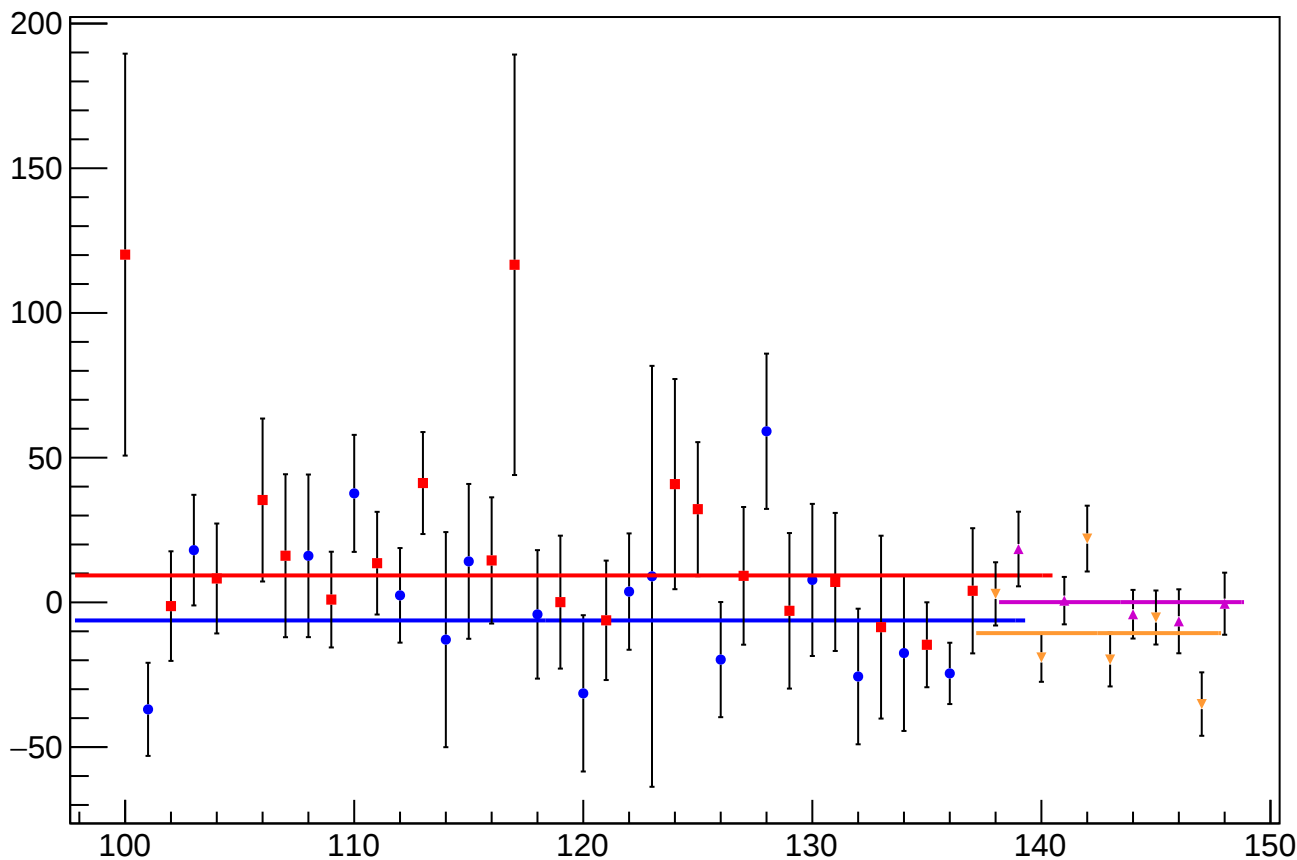
Left In: 7124.537 $\pm$ 2.603 χ^2 /NDF:353231.8/4

7421.736 $\pm$ 1.631 χ^2 /NDF: 1022958.6/22

7425.208 $\pm$ 1.150 χ^2 /NDF: 2096053.6/47

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: -10.624 $\pm$ 4.030 χ^2/NDF : 17.1/5

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

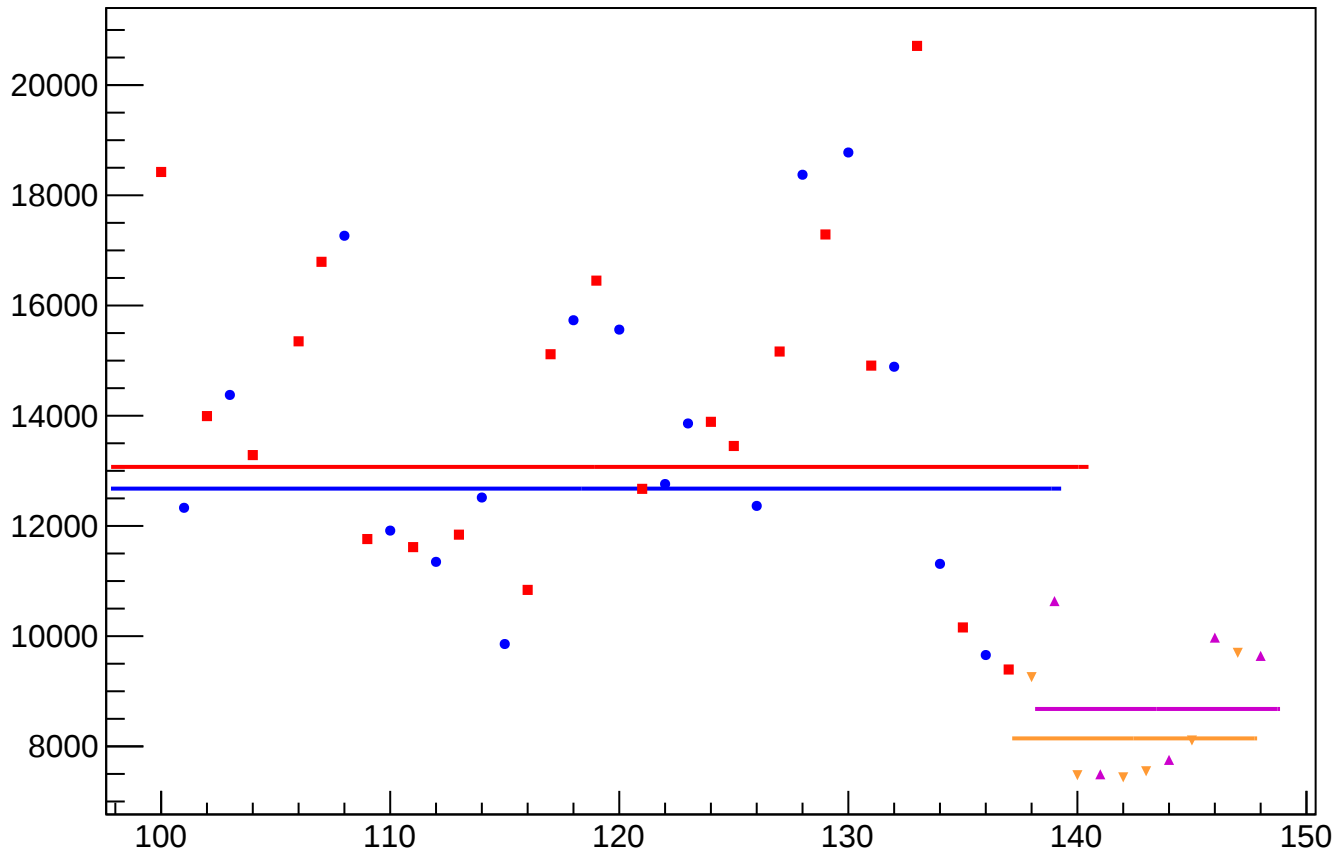
Left In: 0.085 $\pm$ 4.388 χ^2/NDF : 2.6/4

-8.907 $\pm$ 3.142 χ^2/NDF : 40.7/22

-2.707 $\pm$ 2.274 χ^2/NDF : 68.8/47

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: 8144.844+/-2.849 χ^2/NDF : 89414.1/5

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

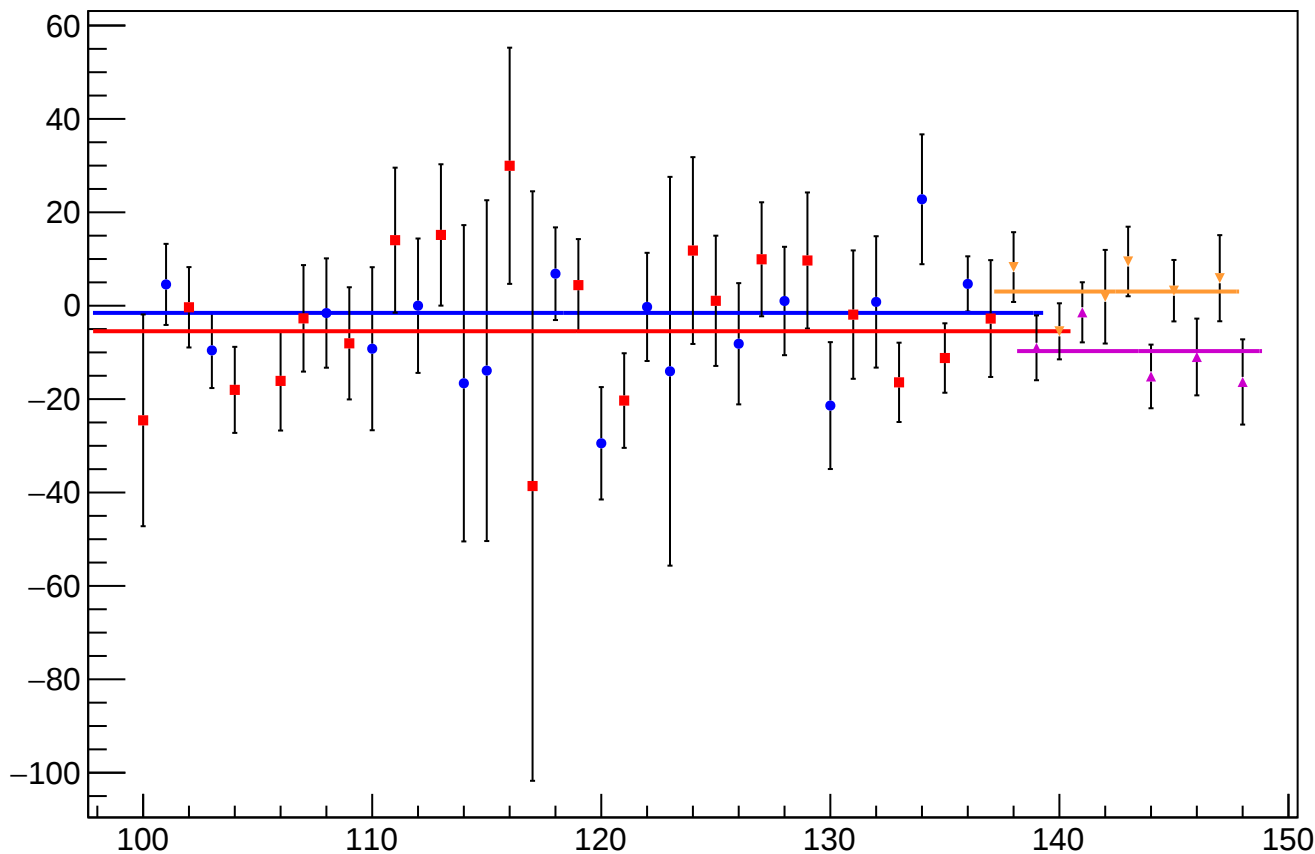
Left In: 8678.995+/-3.103 χ^2/NDF : 155685.8/4

9922.177+/-2.222 χ^2/NDF : 1635245.9/22

10242.832+/-1.608 χ^2/NDF : 3208184.4/4

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

diff_bpm4eY_mean vs Slug, Sign Corrected



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

Left Out: 3.038+/-3.036 χ^2/NDF : 3.4/5

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

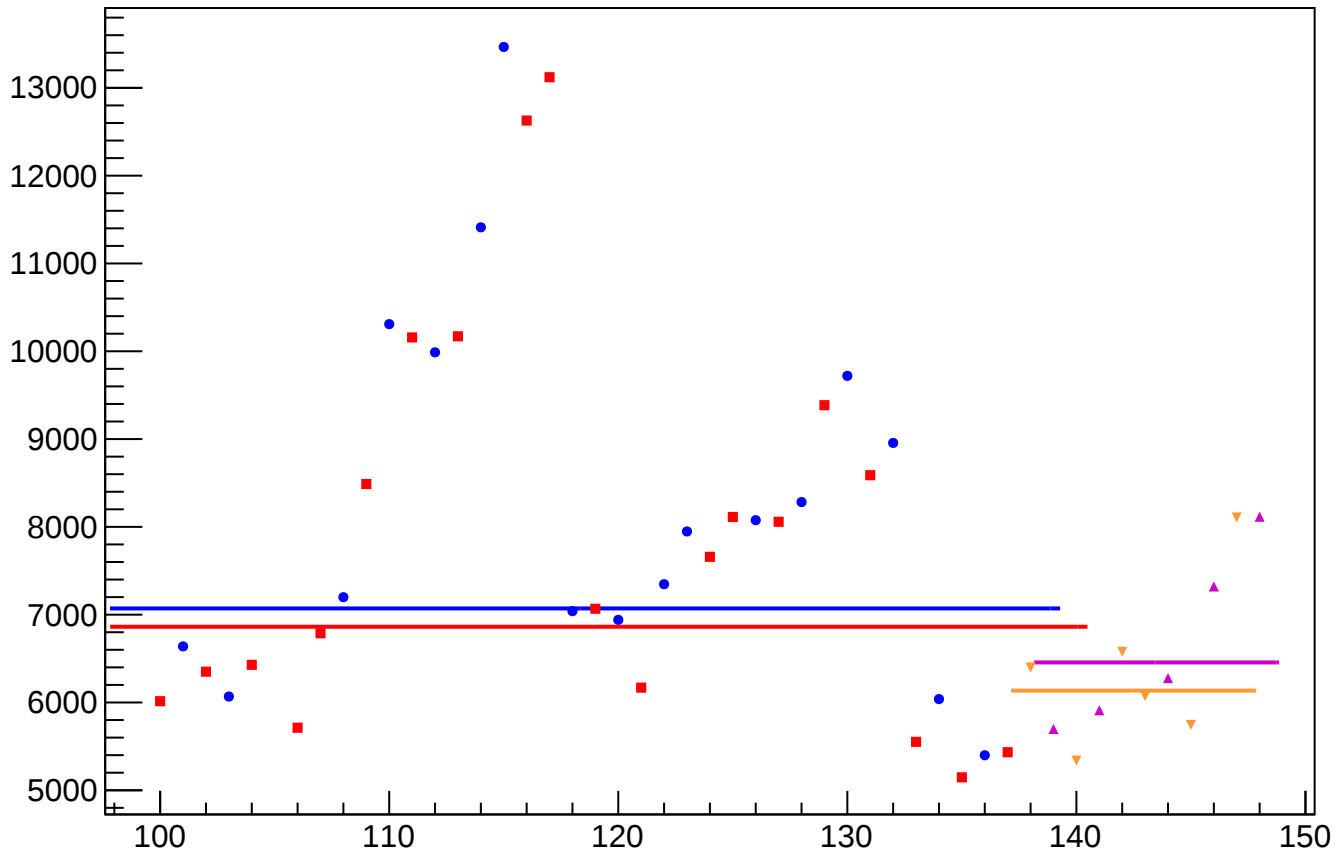
Left In: -9.717+/-3.275 χ^2/NDF : 2.9/4

0.558+/-2.054 χ^2/NDF : 19.4/22

-3.290+/-1.453 χ^2/NDF : 49.2/47

-7.136+/-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: 6135.290+/-2.146 χ^2/NDF : 140349.2/5

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

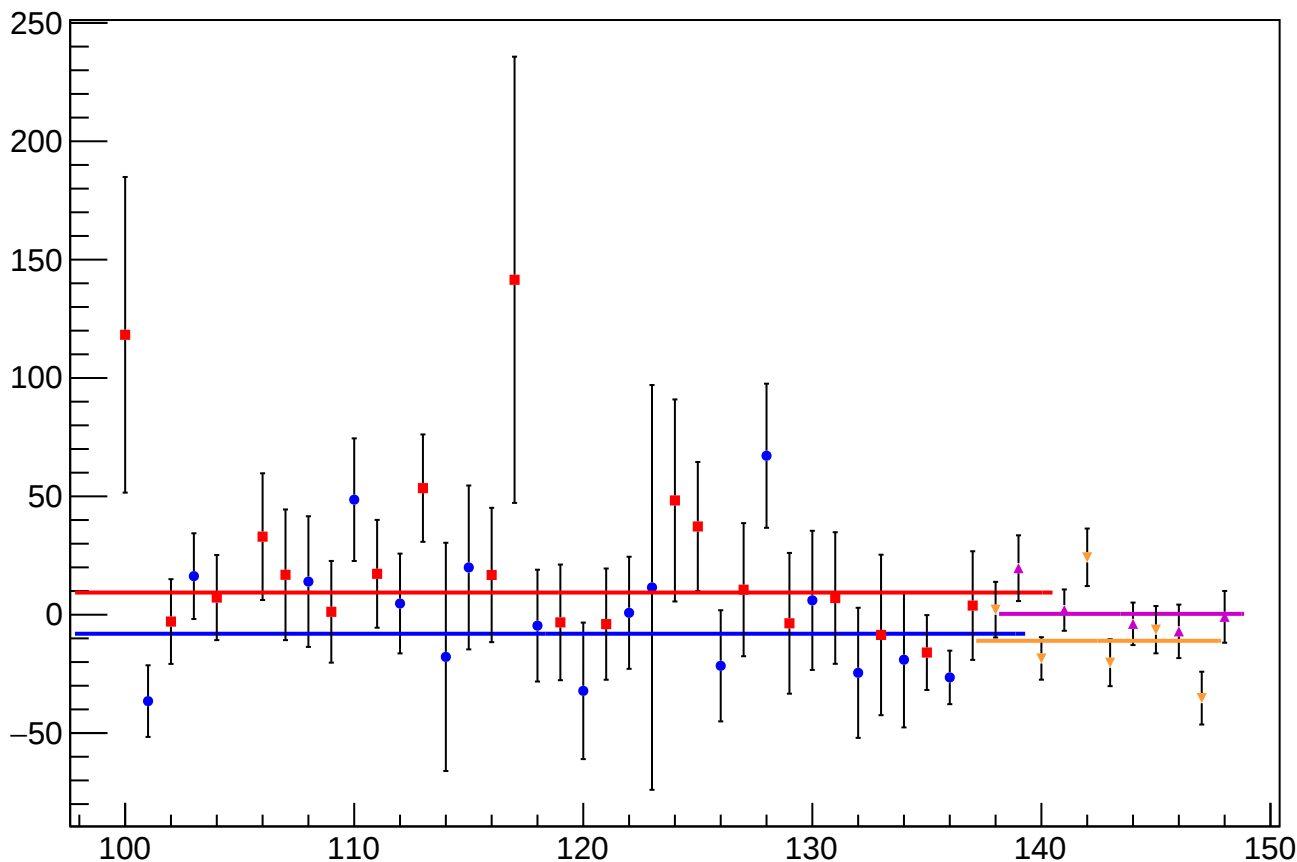
Left In: 6456.111+/-2.316 χ^2/NDF : 127890.1/4

6642.470+/-1.453 χ^2/NDF : 844110.1/22

6672.564+/-1.027 χ^2/NDF : 1695645.2/47

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: -11.017 $\pm$ 4.278 χ^2/NDF : 16.2/5

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

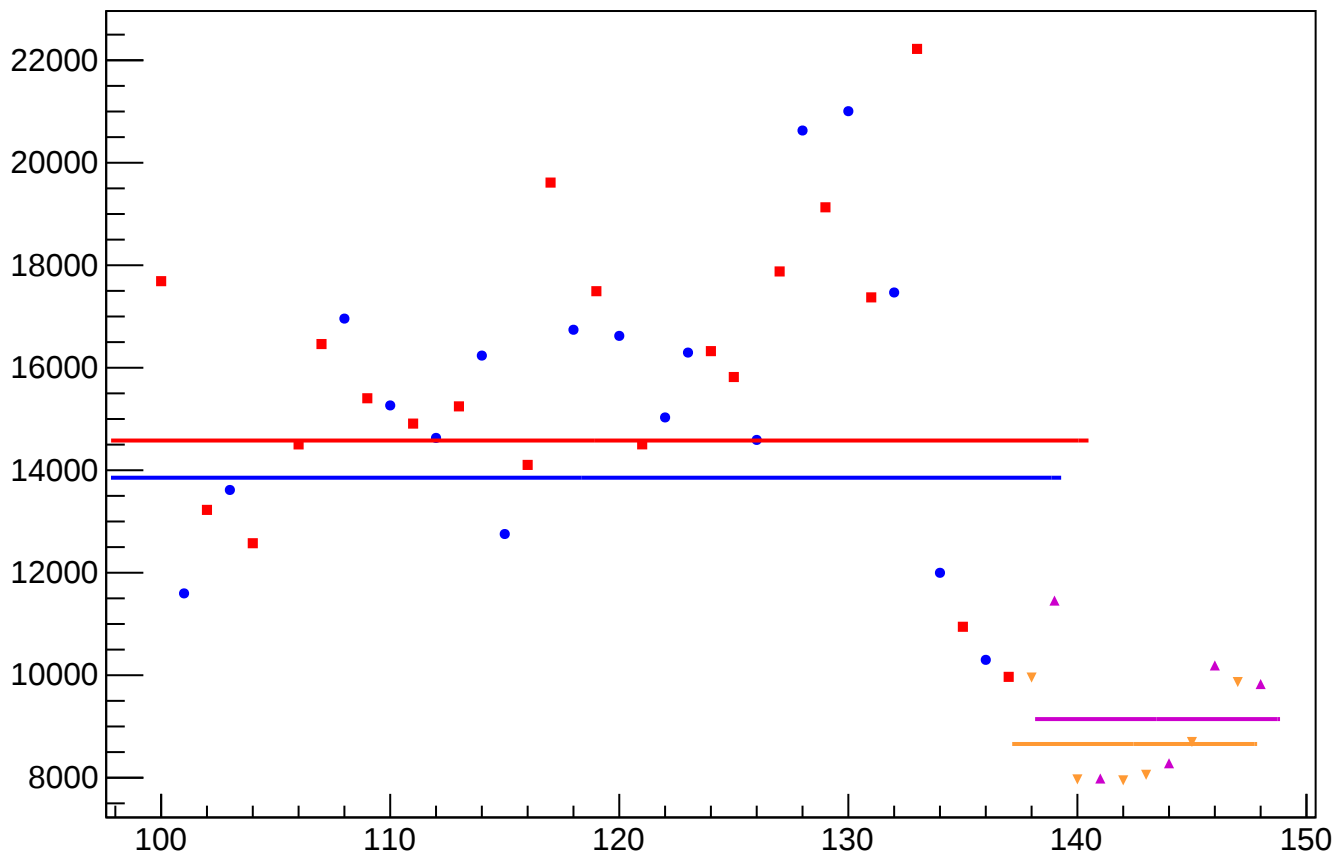
Left In: 0.363 $\pm$ 4.617 χ^2/NDF : 2.6/4

-9.893 $\pm$ 3.376 χ^2/NDF : 38.9/22

-3.277 $\pm$ 2.447 χ^2/NDF : 66.8/47

4.041 $\pm$ 3.551 χ^2/NDF : 19.8/24

diff_bpm4acX_rms vs Slug, Sign Corrected



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

Left Out: 8658.442 $\pm$ 3.025 χ^2/NDF : 73867.4/5

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

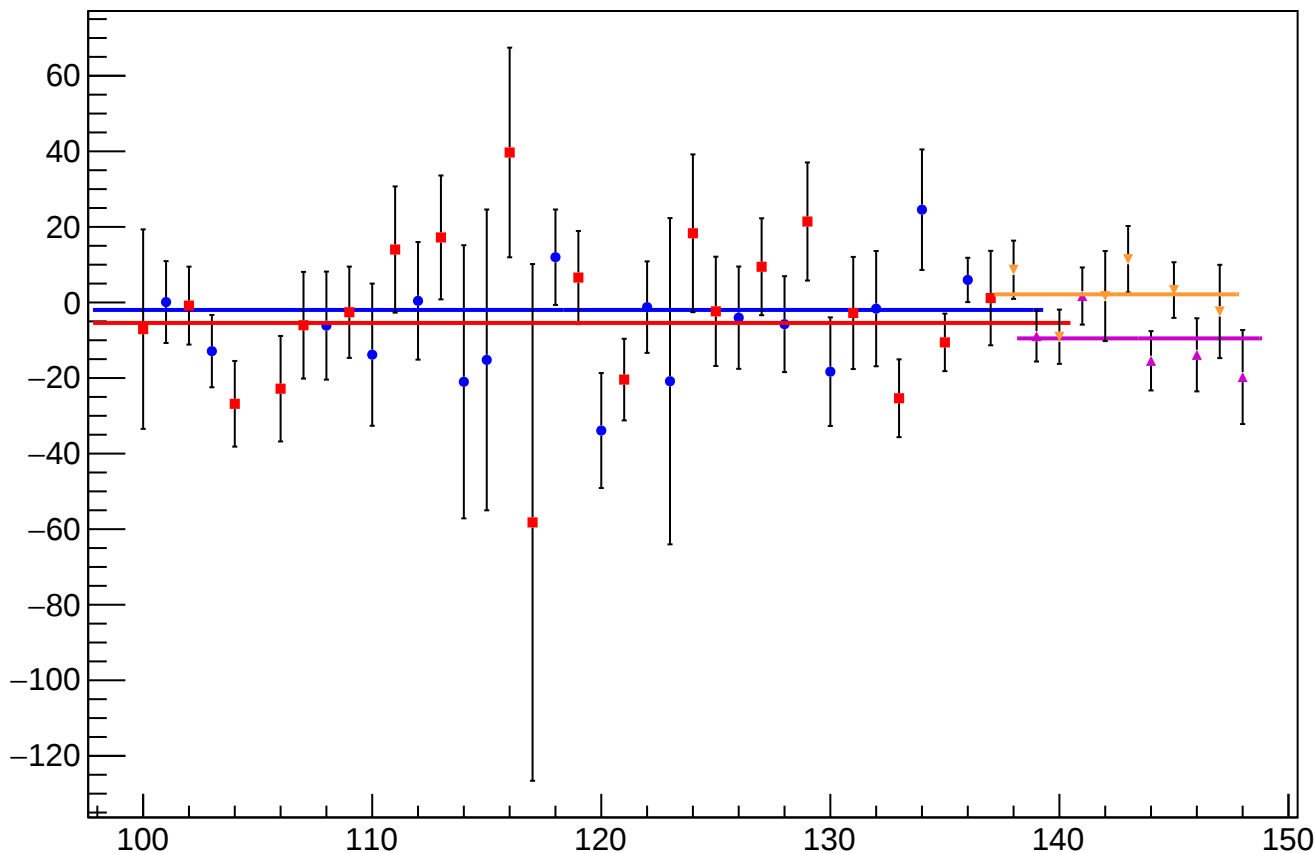
Left In: 9144.228 $\pm$ 3.264 χ^2/NDF : 134156.6/4

10618.125 $\pm$ 2.387 χ^2/NDF : 1787540.4/22

10972.322 $\pm$ 1.730 χ^2/NDF : 3580356.9/4

11364.136 $\pm$ 2.511 χ^2/NDF : 1746453.7/24

diff_bpm4acY_mean vs Slug, Sign Corrected



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

Left Out: 2.148 $\pm$ 3.509 χ^2/NDF : 4.4/5

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

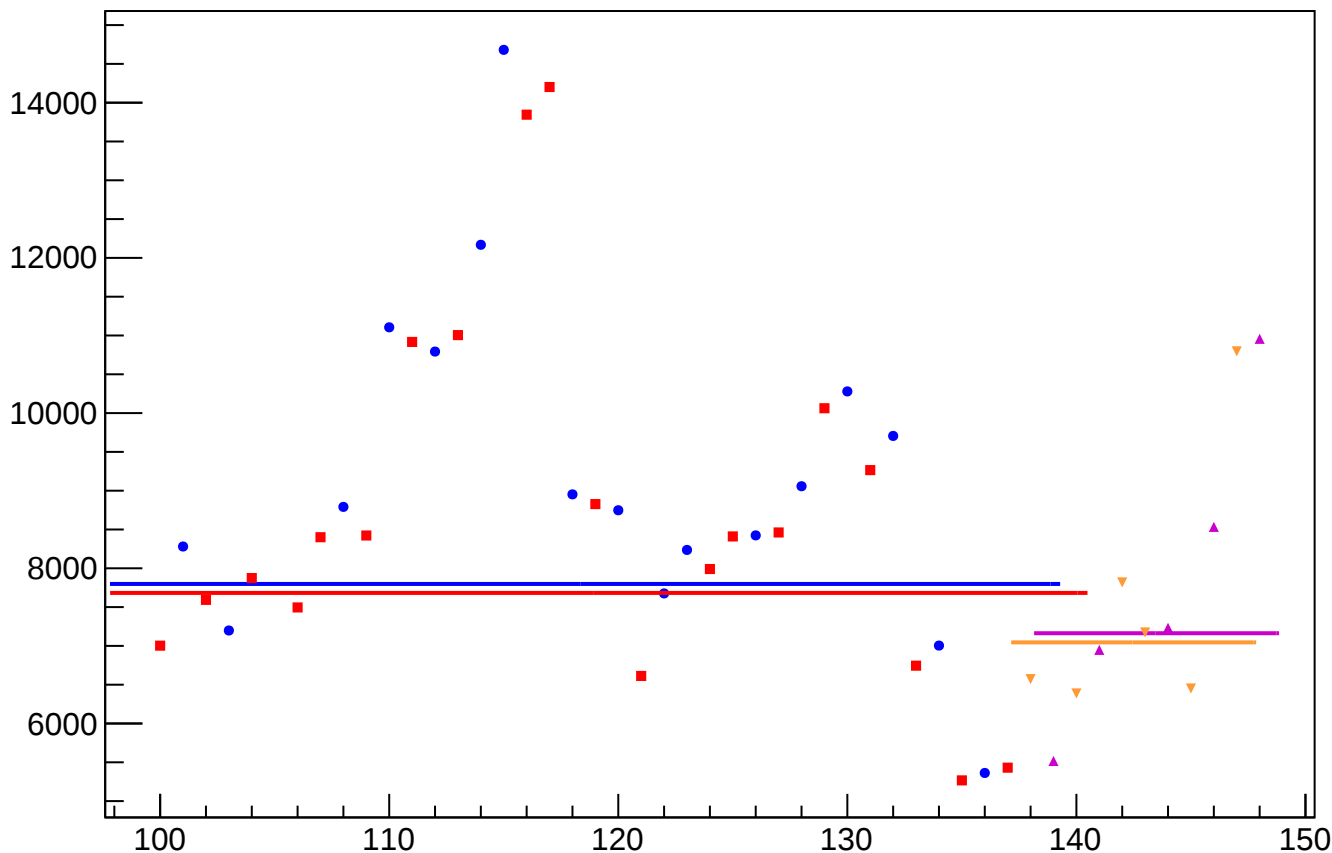
Left In: -9.508 $\pm$ 3.700 χ^2/NDF : 3.7/4

-0.173 $\pm$ 2.321 χ^2/NDF : 19.3/22

-3.609 $\pm$ 1.637 χ^2/NDF : 52.9/47

-7.011 $\pm$ 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: 7045.368 $\pm$ 2.482 χ^2 /NDF: 230719.0/5

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

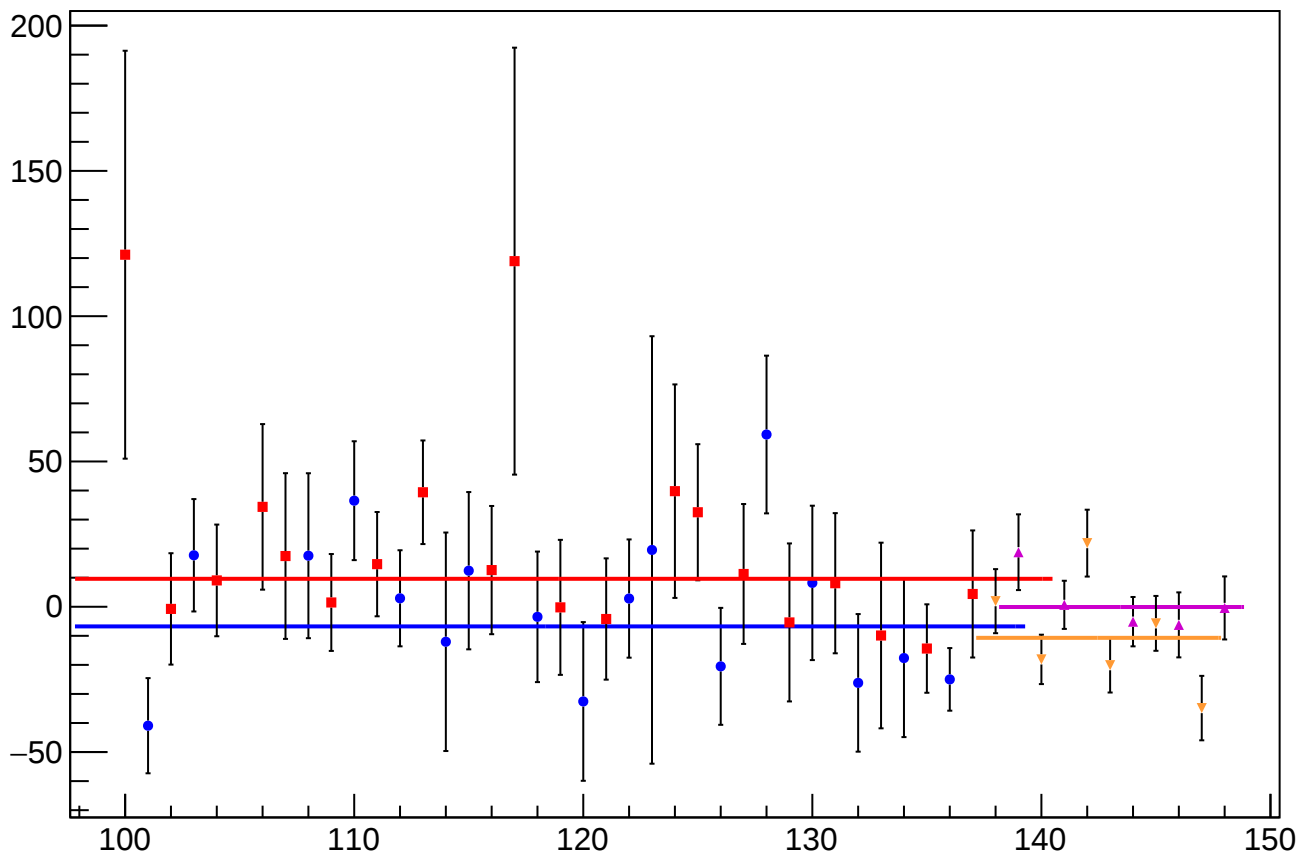
Left In: 7163.251 $\pm$ 2.616 χ^2 /NDF: 348347.5/4

7468.998 $\pm$ 1.641 χ^2 /NDF: 1018797.9/22

7474.719 $\pm$ 1.158 χ^2 /NDF: 2082143.5/47

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: -10.694 ± 4.073 χ^2/NDF : 16.1/5

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

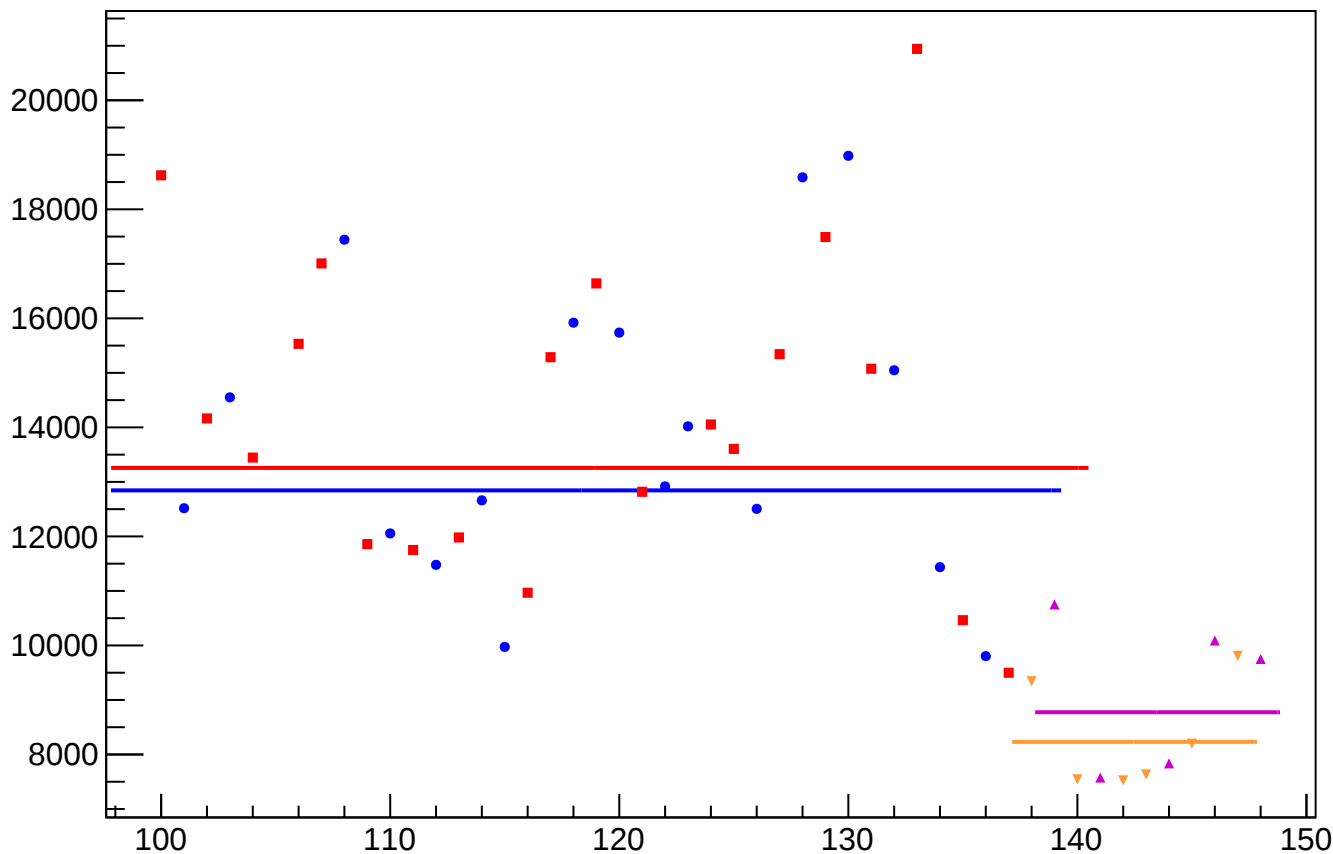
Left In: -0.082 ± 4.436 χ^2/NDF : 2.8/4

-9.156 ± 3.179 χ^2/NDF : 40.2/22

-2.829 ± 2.301 χ^2/NDF : 67.8/47

4.137 ± 3.335 χ^2/NDF : 19.3/24

diff_bpm4ecX_rms vs Slug, Sign Corrected



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

Left Out: 8231.619 $\pm$ 2.880 χ^2/NDF : 89595.1/5

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

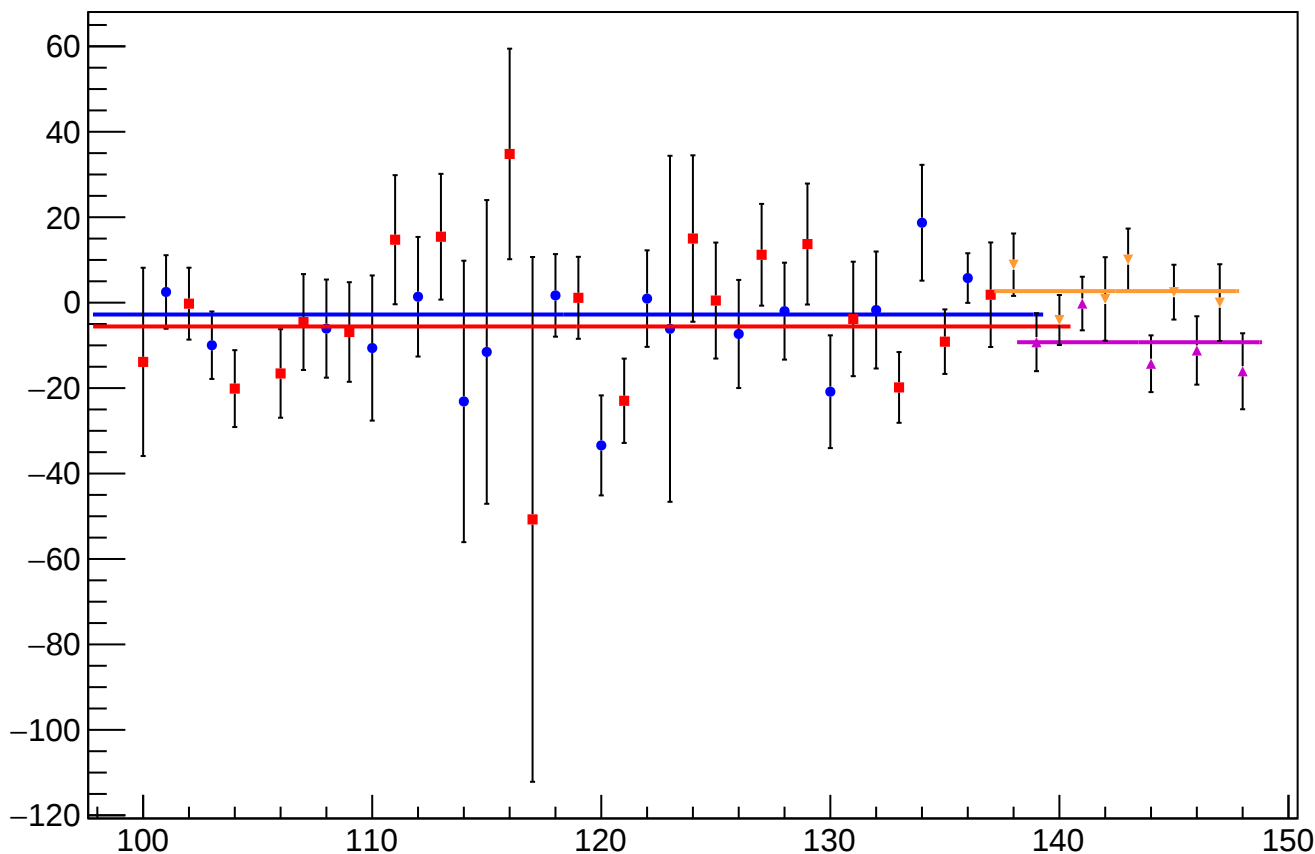
Left In: 8774.784 $\pm$ 3.137 χ^2/NDF : 156176.3/4

10034.375 $\pm$ 2.248 χ^2/NDF : 1639524.9/22

10362.328 $\pm$ 1.627 χ^2/NDF : 3215031.5/4

10723.380 $\pm$ 2.358 χ^2/NDF : 1530781.3/24

diff_bpm4ecY_mean vs Slug, Sign Corrected



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

Left Out: 2.699 ± 2.961 χ^2/NDF : 3.2/5

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

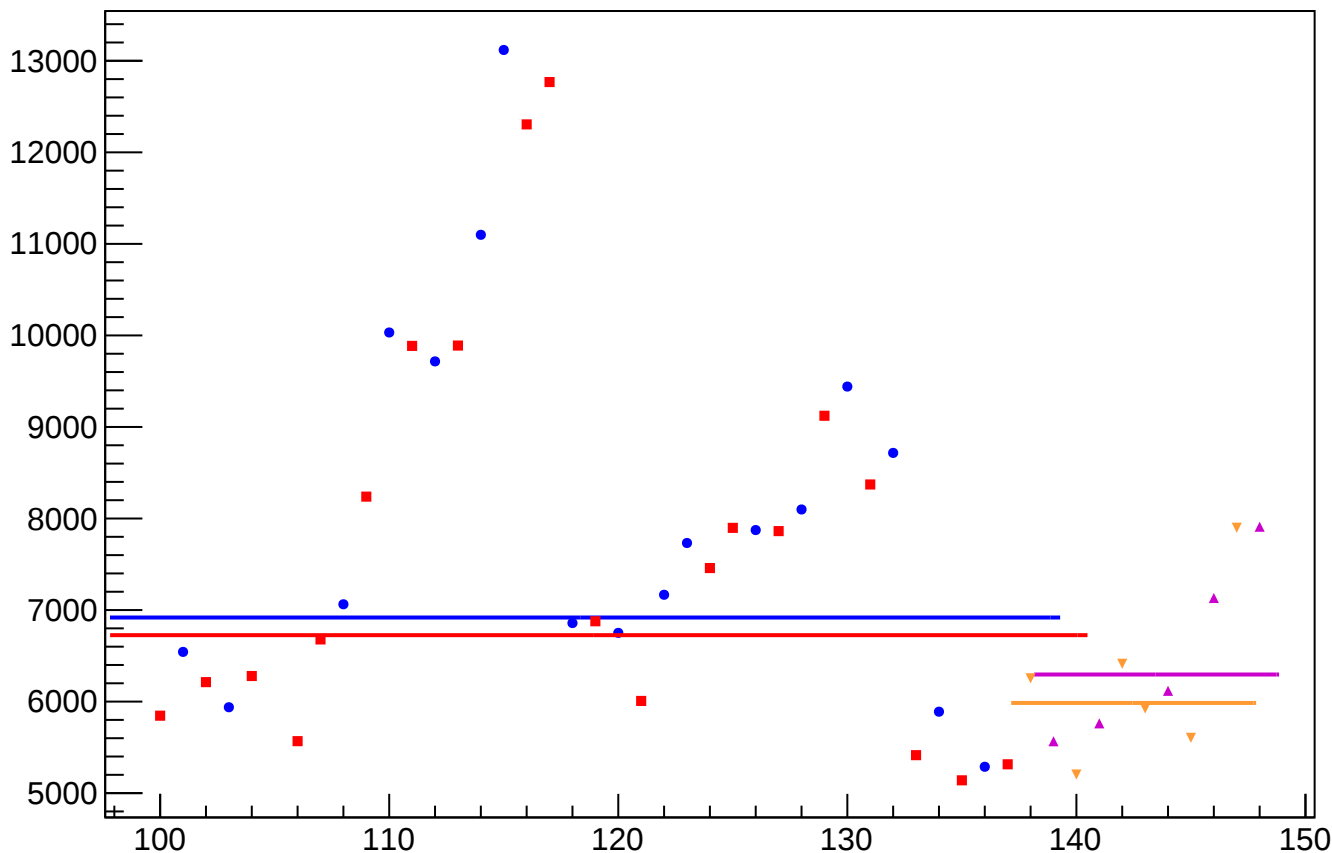
Left In: -9.261 ± 3.193 χ^2/NDF : 3.3/4

-0.258 ± 2.008 χ^2/NDF : 21.0/22

-3.642 ± 1.420 χ^2/NDF : 54.5/47

-7.032 ± 2.009 χ^2/NDF : 27.8/24

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.477 $\pm$ 1.932 χ^2/NDF : 587039.3/16

Left Out: 5985.228 $\pm$ 2.094 χ^2/NDF : 140232.6/5

Right Out: 6725.745 $\pm$ 1.828 χ^2/NDF : 675399.9/19

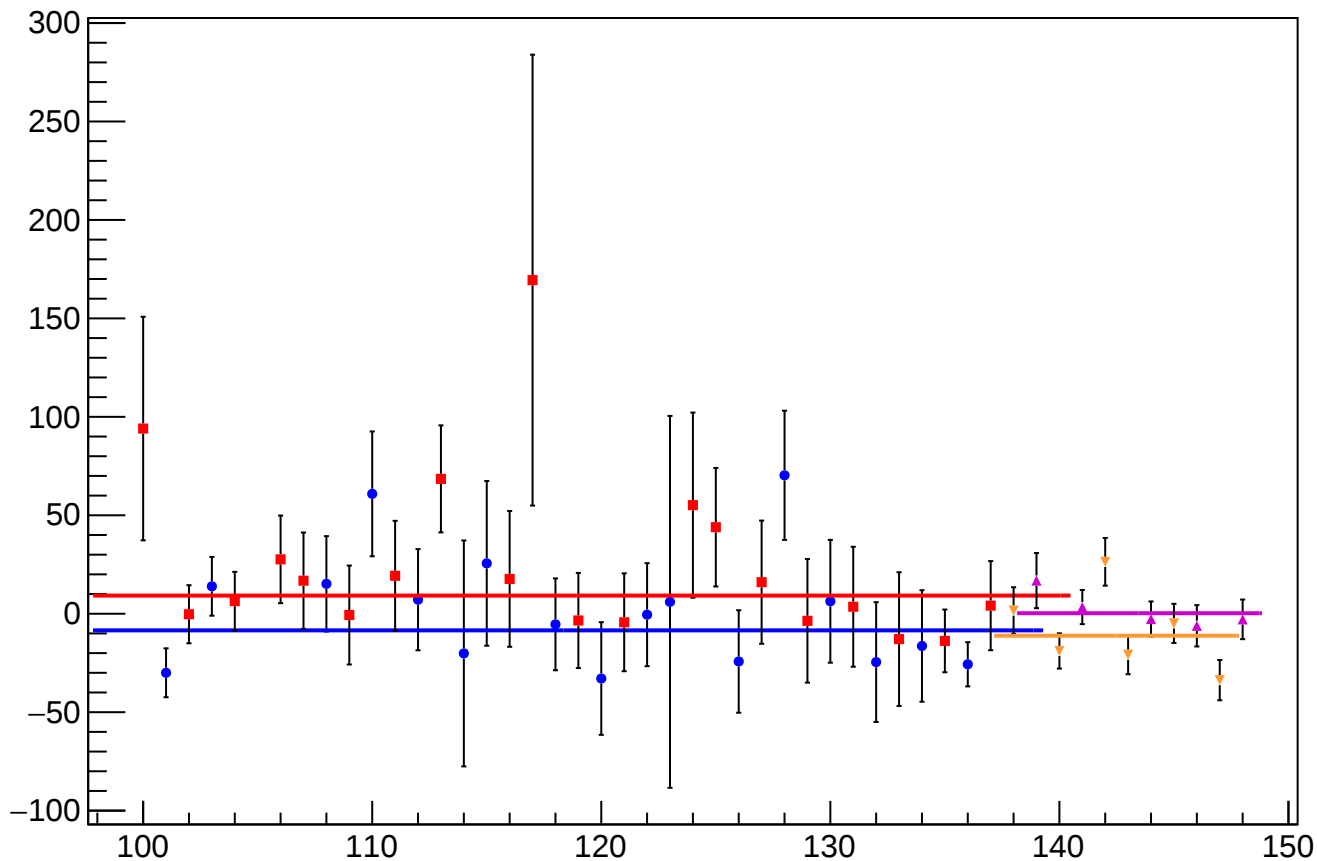
Left In: 6295.861 $\pm$ 2.258 χ^2/NDF : 126711.7/4

6489.418 $\pm$ 1.420 χ^2/NDF : 834594.7/22

6522.461 $\pm$ 1.004 χ^2/NDF : 1659685.9/47

6555.551 $\pm$ 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: -11.164 $\pm$ 4.212 χ^2/NDF : 17.7/5

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

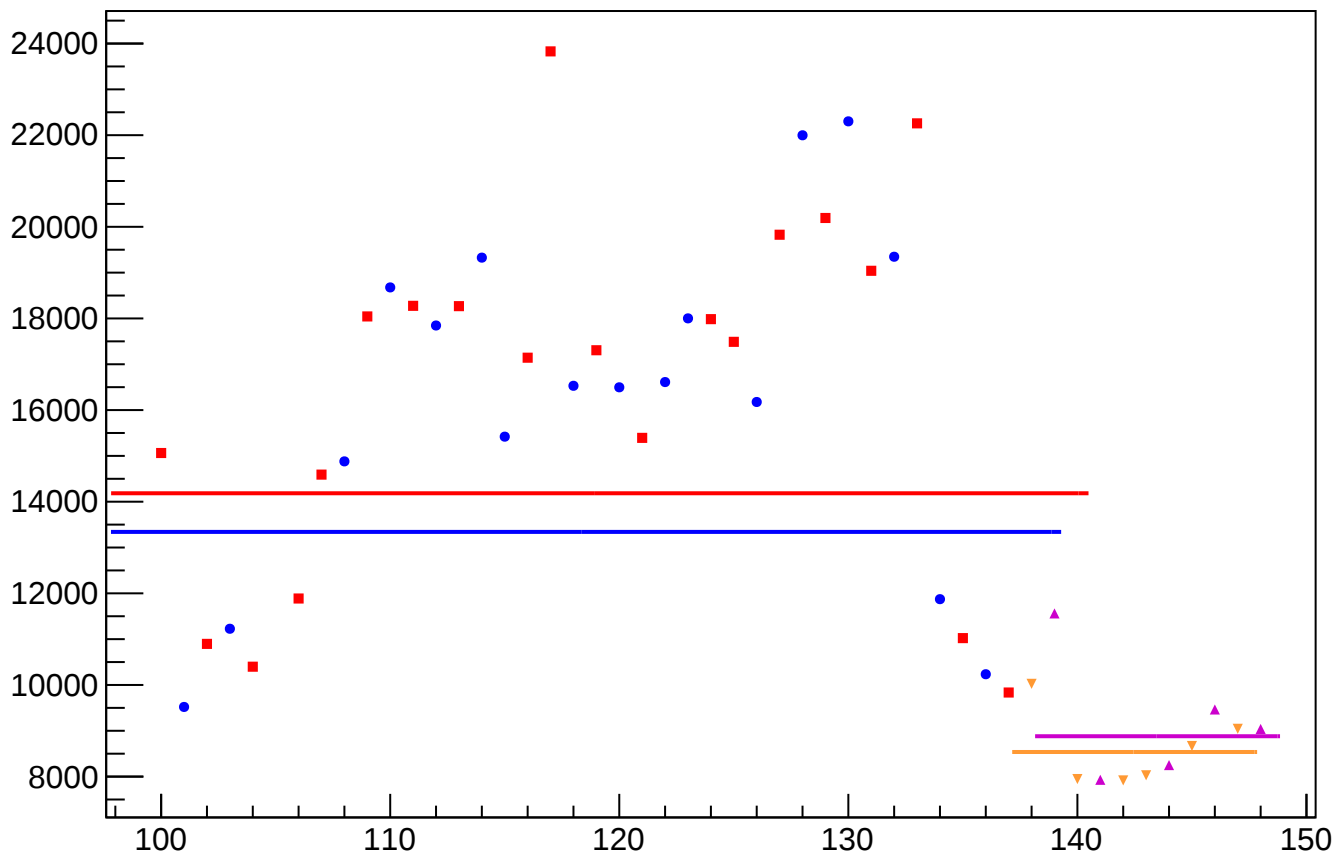
Left In: 0.267 $\pm$ 4.479 χ^2/NDF : 2.1/4

-10.135 $\pm$ 3.319 χ^2/NDF : 39.9/22

-3.466 $\pm$ 2.400 χ^2/NDF : 68.2/47

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: 8537.140 $\pm$ 2.978 χ^2/NDF : 56106.4/5

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

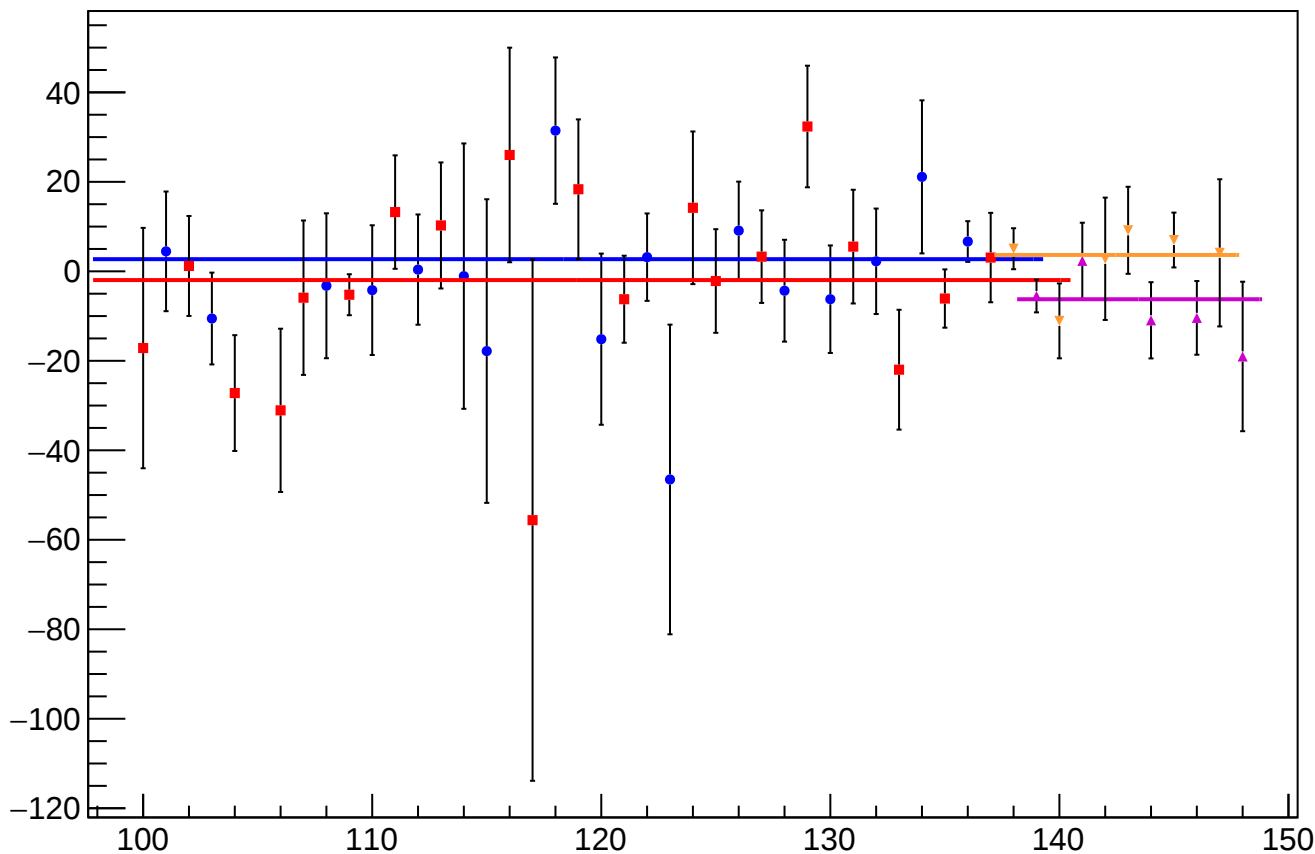
Left In: 8881.039 $\pm$ 3.167 χ^2/NDF : 113796.6/4

10357.106 $\pm$ 2.347 χ^2/NDF : 2086372.1/22

10661.405 $\pm$ 1.697 χ^2/NDF : 4298890.6/4

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: 3.662 $\pm$ 3.040 χ^2/NDF : 3.8/5

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

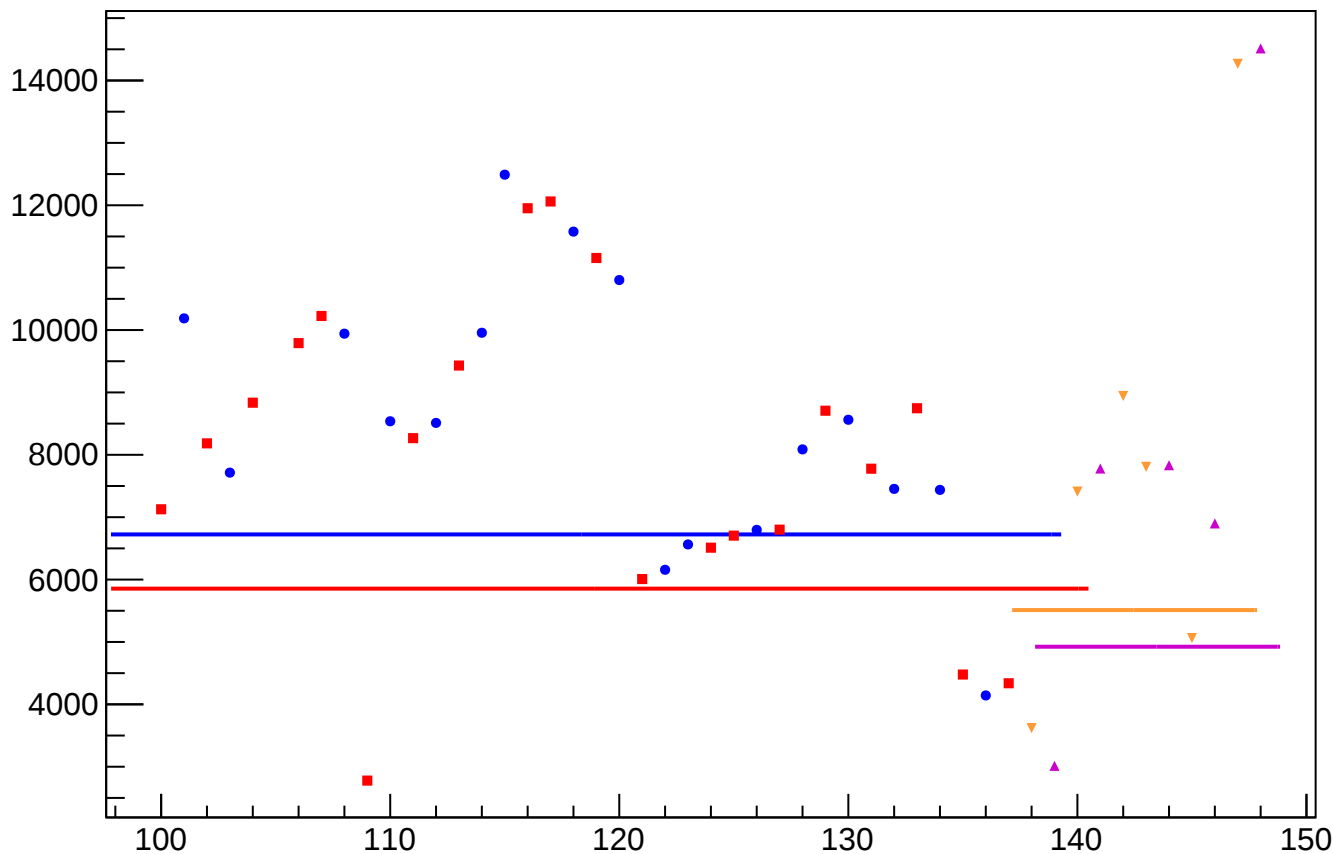
Left In: -6.239 $\pm$ 2.878 χ^2/NDF : 2.2/4

3.143 $\pm$ 2.040 χ^2/NDF : 15.5/22

-0.619 $\pm$ 1.374 χ^2/NDF : 49.6/47

-3.744 $\pm$ 1.860 χ^2/NDF : 27.9/24

diff_bpm1Y_rms vs Slug, Sign Corrected



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

Left Out: 5510.841+/-2.150 χ^2/NDF : 1259367.1/5

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

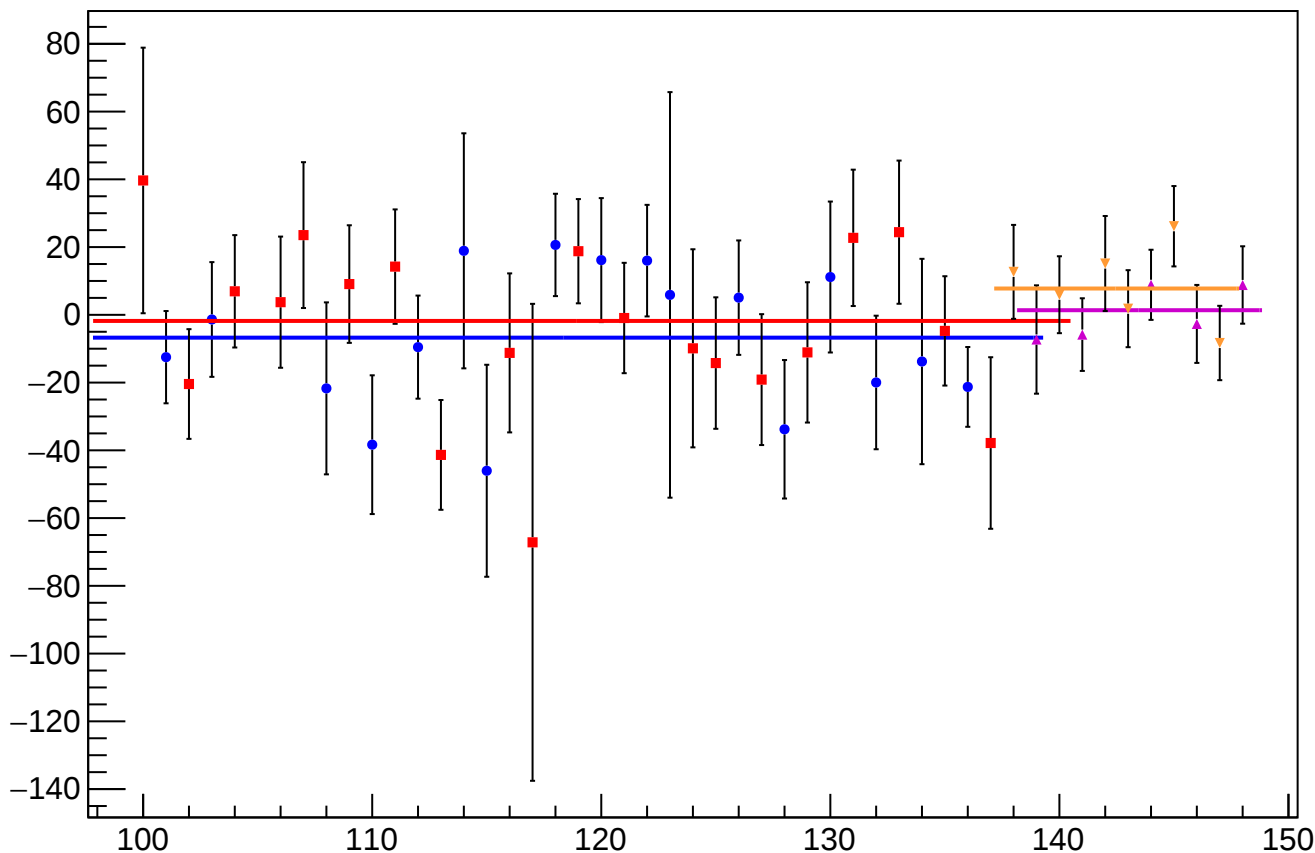
Left In: 4923.763+/-2.035 χ^2/NDF : 1777925.4/4

6177.516+/-1.443 χ^2/NDF : 2826448.0/22

5788.919+/-0.972 χ^2/NDF : 7159057.3/47

5466.028+/-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: 7.769 $\pm$ 4.928 χ^2/NDF : 5.3/5

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

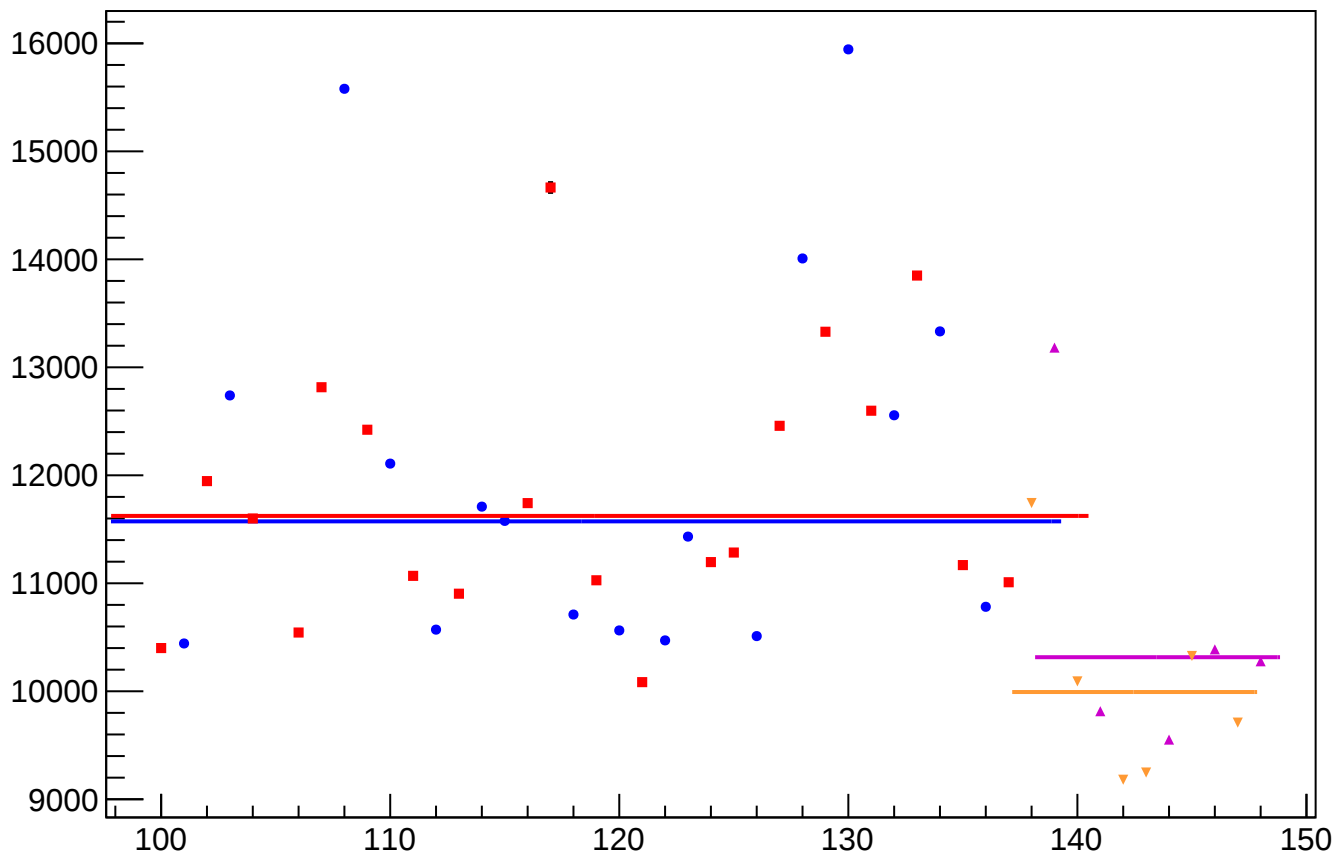
Left In: 1.365 $\pm$ 5.188 χ^2/NDF : 1.8/4

-0.119 $\pm$ 3.328 χ^2/NDF : 26.8/22

-0.304 $\pm$ 2.357 χ^2/NDF : 49.7/47

-0.490 $\pm$ 3.340 χ^2/NDF : 22.9/24

diff_bpm11X_rms vs Slug, Sign Corrected



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

Left Out: 9993.079+/-3.484 χ^2/NDF : 50237.5/5

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

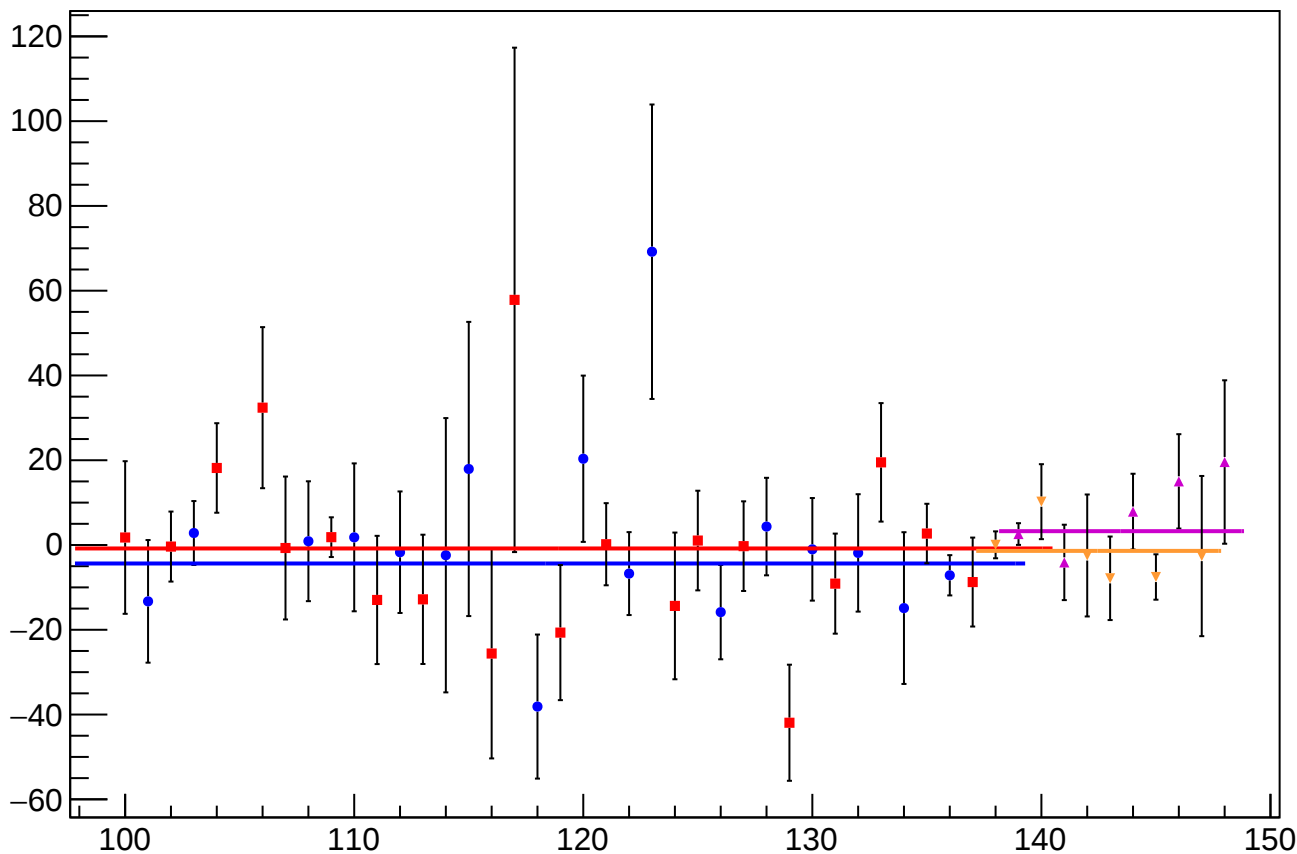
Left In: 10315.501+/-3.669 χ^2/NDF : 79609.0/4

10852.566+/-2.353 χ^2/NDF : 400858.6/22

10966.780+/-1.667 χ^2/NDF : 657750.0/47

11081.789+/-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: -1.389 ± 2.464 χ^2/NDF : 3.7/5

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

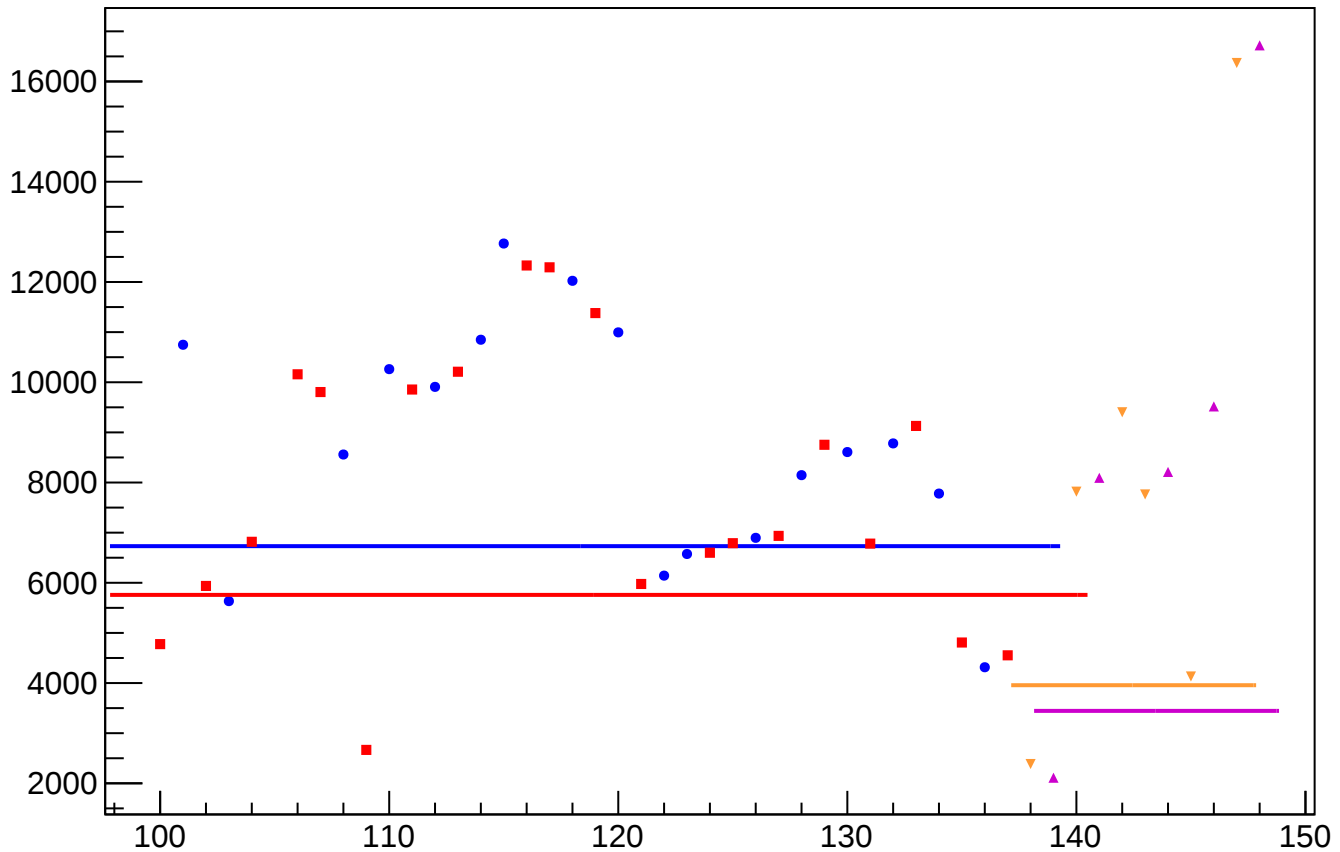
Left In: 3.264 ± 2.304 χ^2/NDF : 2.9/4

-2.699 ± 1.843 χ^2/NDF : 18.8/22

-0.488 ± 1.238 χ^2/NDF : 50.3/47

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: 3956.927 +/- 1.743 χ^2/NDF : 2320340.8/5

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

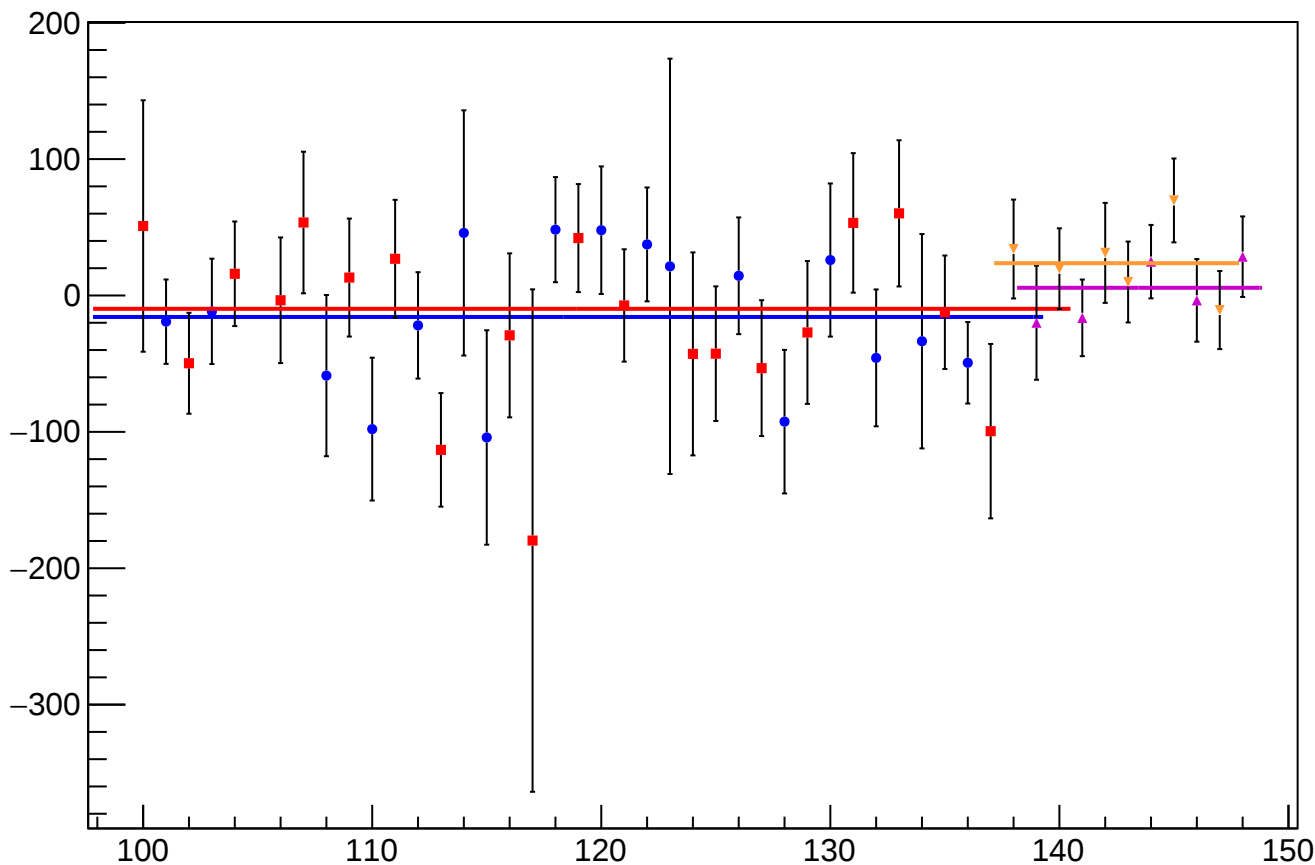
Left In: 3444.834 +/- 1.629 χ^2/NDF : 3201307.4/4

5179.362 +/- 1.303 χ^2/NDF : 4882175.0/22

4829.847 +/- 0.875 χ^2/NDF : 11358123.8/4

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: 23.679 $\pm$ 12.846 χ^2 /NDF: 4.0/5

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

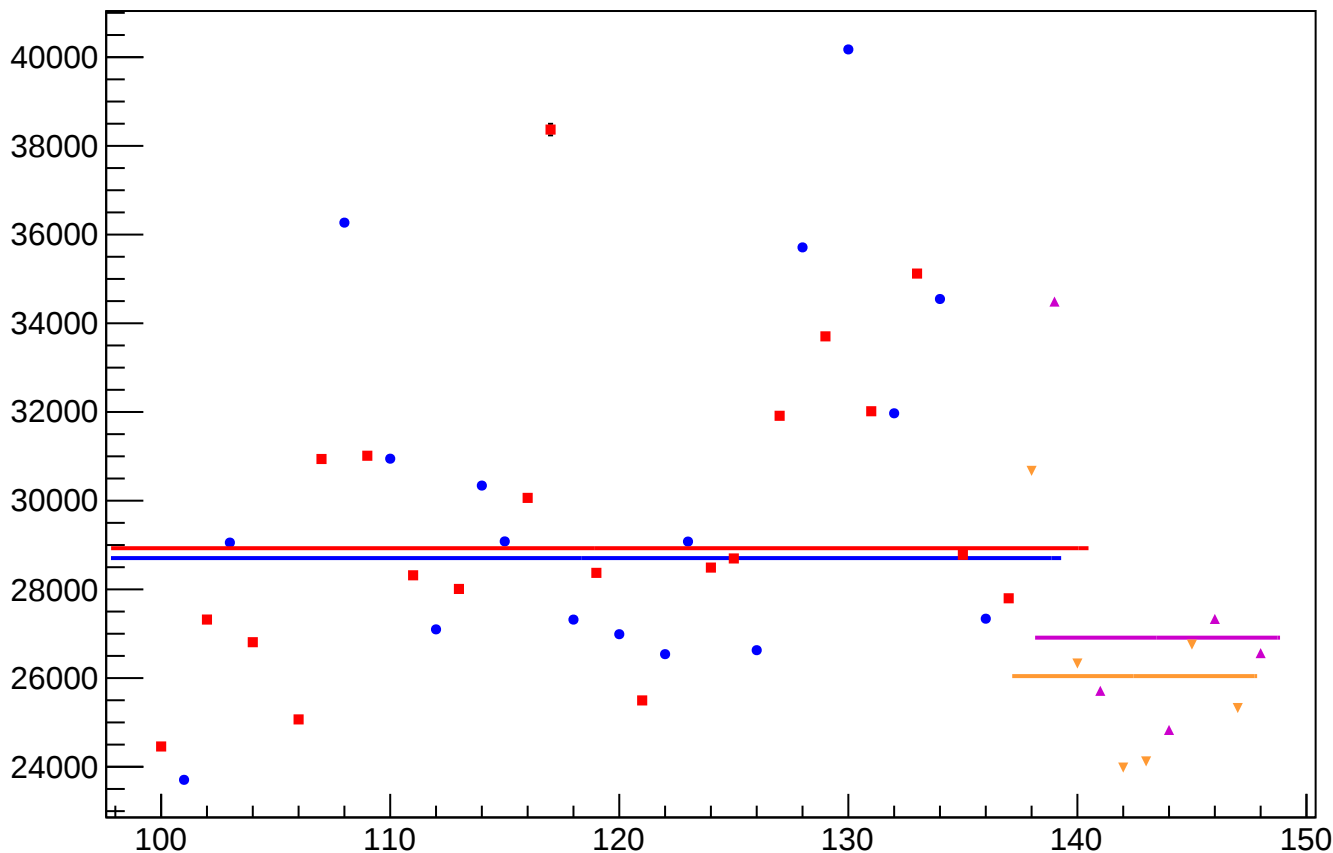
Left In: 5.642 $\pm$ 13.538 χ^2 /NDF: 2.2/4

1.291 $\pm$ 8.445 χ^2 /NDF: 25.3/22

-1.211 $\pm$ 5.982 χ^2 /NDF: 48.6/47

-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: 26044.561+/-9.083 χ^2/NDF : 49877.9/5

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

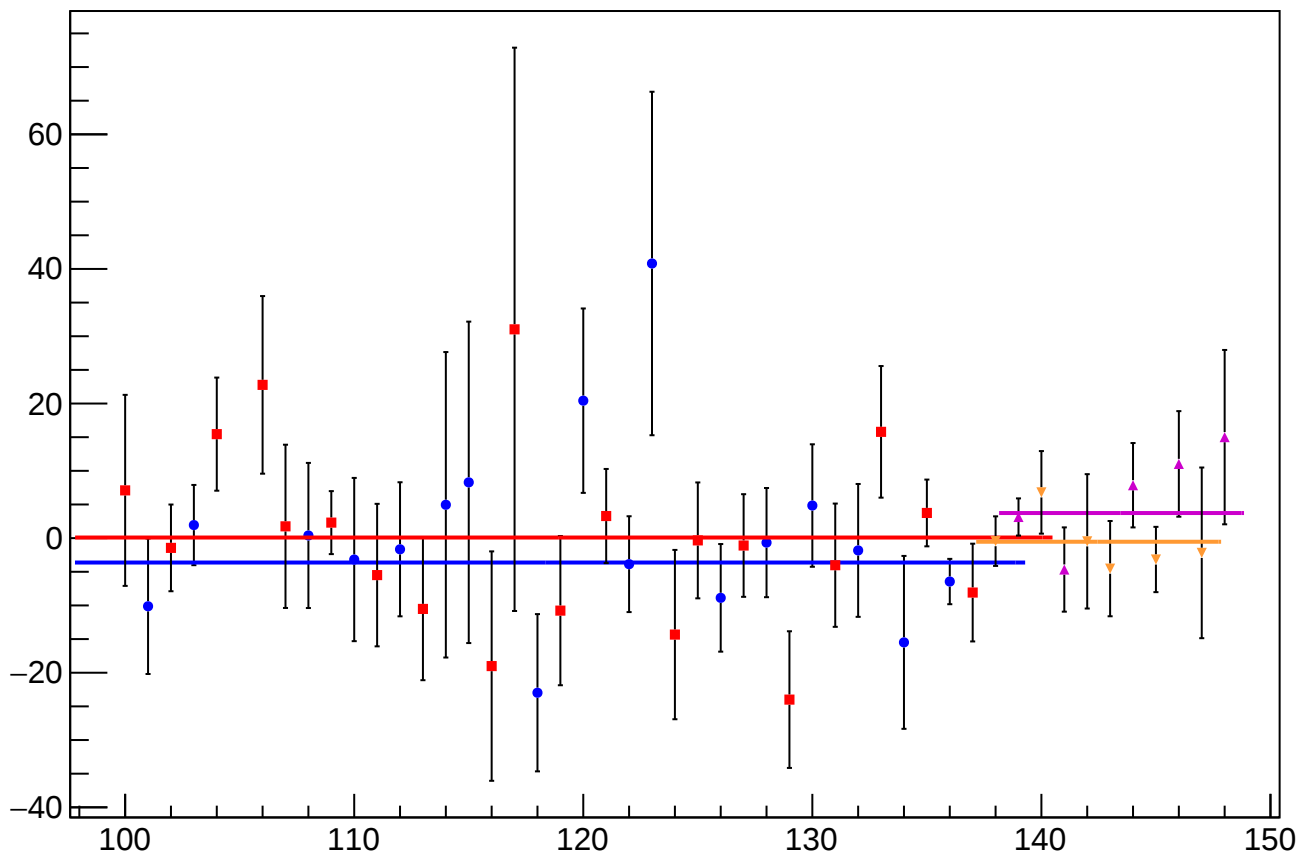
Left In: 26911.394+/-9.573 χ^2/NDF : 81915.2/4

27555.472+/-5.972 χ^2/NDF : 349600.2/22

27845.582+/-4.230 χ^2/NDF : 579731.6/47

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

diff_bpm12Y_mean vs Slug, Sign Corrected



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

Left Out: -0.536 ± 2.364 $\chi^2/\text{NDF}: 2.1/5$

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

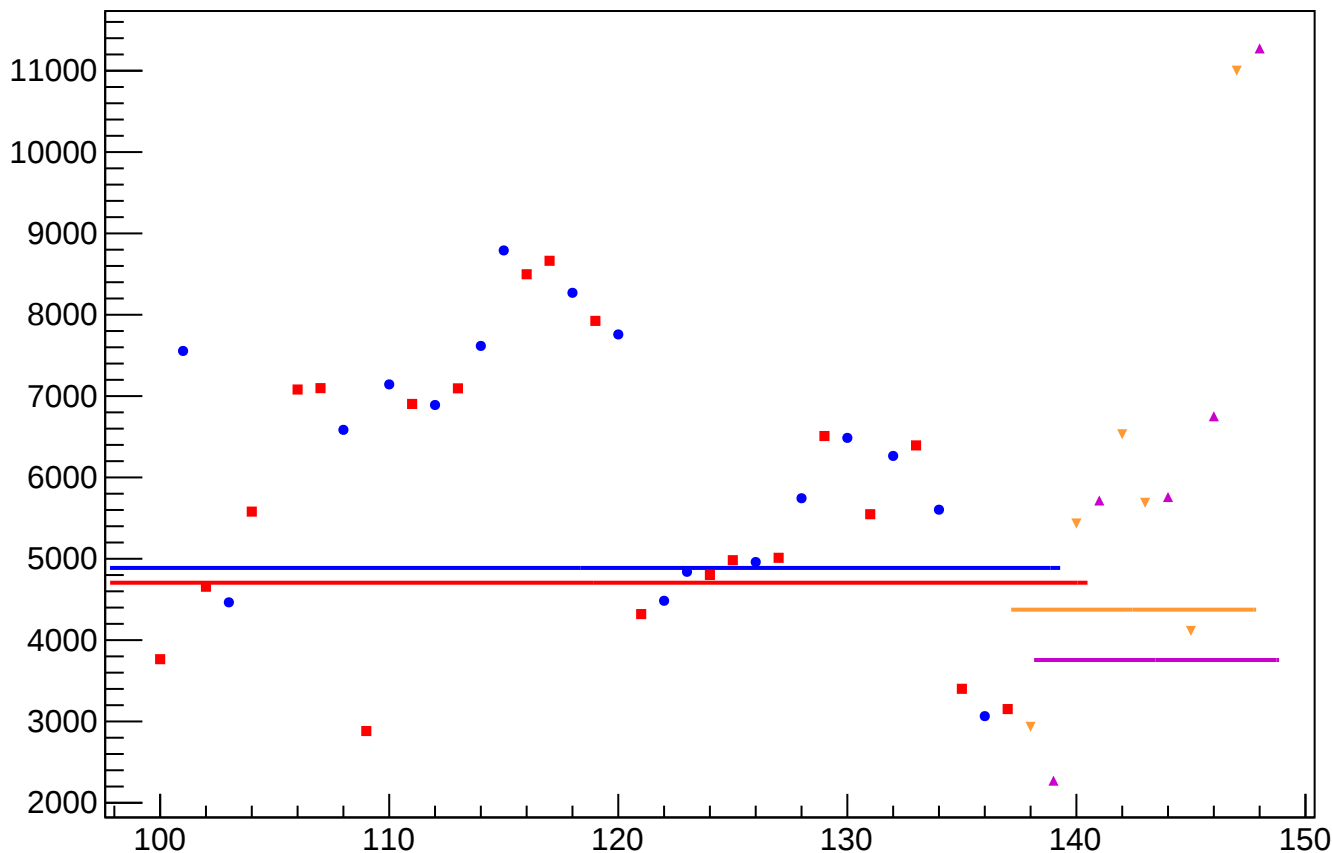
Left In: 3.730 ± 2.212 $\chi^2/\text{NDF}: 3.9/4$

-2.332 ± 1.530 $\chi^2/\text{NDF}: 16.8/22$

-0.229 ± 1.047 $\chi^2/\text{NDF}: 48.5/47$

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

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4887.515 ± 1.418 $\chi^2/\text{NDF}: 1409296.8/16$

Left Out: 4374.364 ± 1.672 $\chi^2/\text{NDF}: 1079357.0/5$

Right Out: 4705.797 ± 1.335 $\chi^2/\text{NDF}: 1331043.3/19$

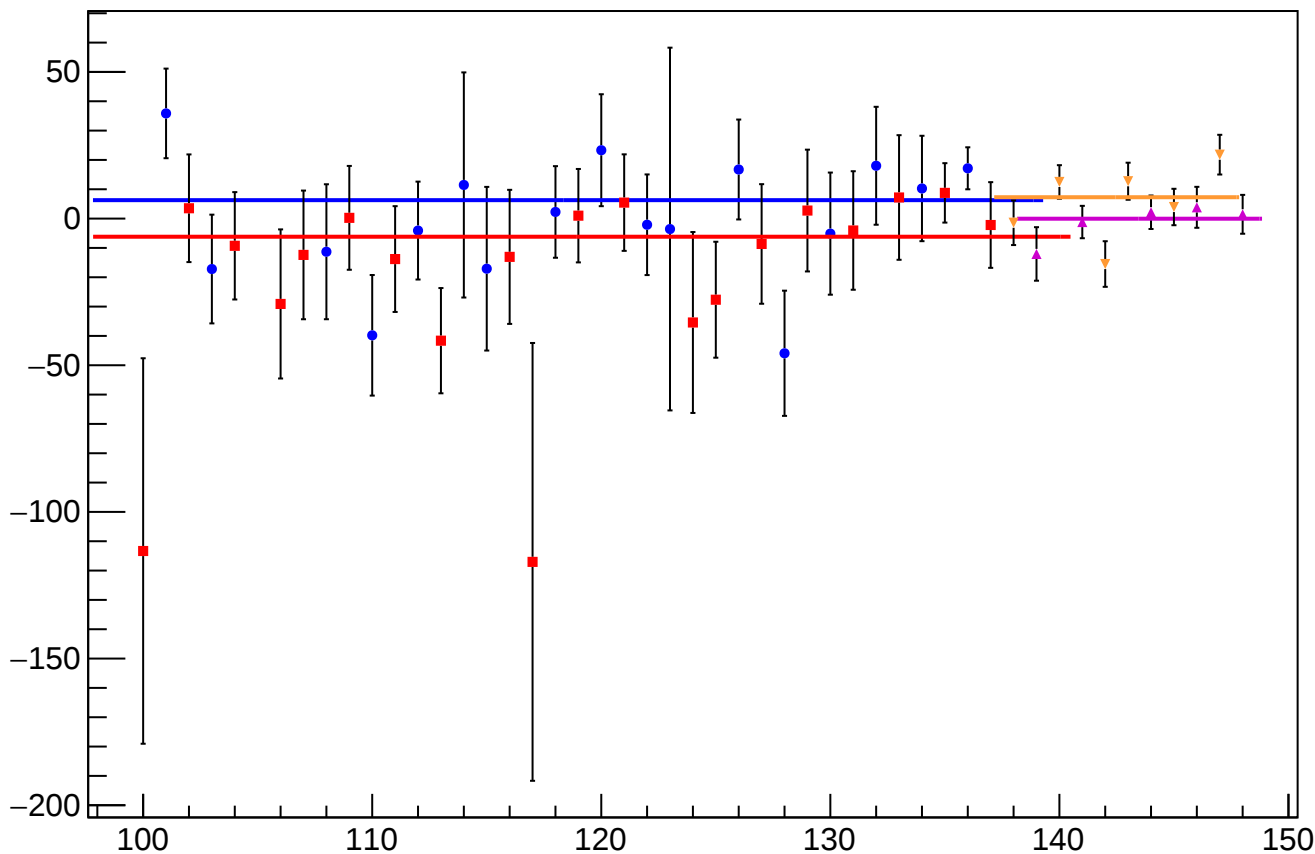
Left In: 3755.685 ± 1.564 $\chi^2/\text{NDF}: 1943257.8/4$

4672.700 ± 1.082 $\chi^2/\text{NDF}: 2543440.6/22$

4477.512 ± 0.740 $\chi^2/\text{NDF}: 6092449.5/47$

4305.431 ± 1.016 $\chi^2/\text{NDF}: 3487725.5/24$

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.283 ± 4.064 χ^2/NDF : 22.5/16

Left Out: 7.283 ± 2.699 χ^2/NDF : 16.3/5

Right Out: -6.182 ± 4.212 χ^2/NDF : 16.0/19

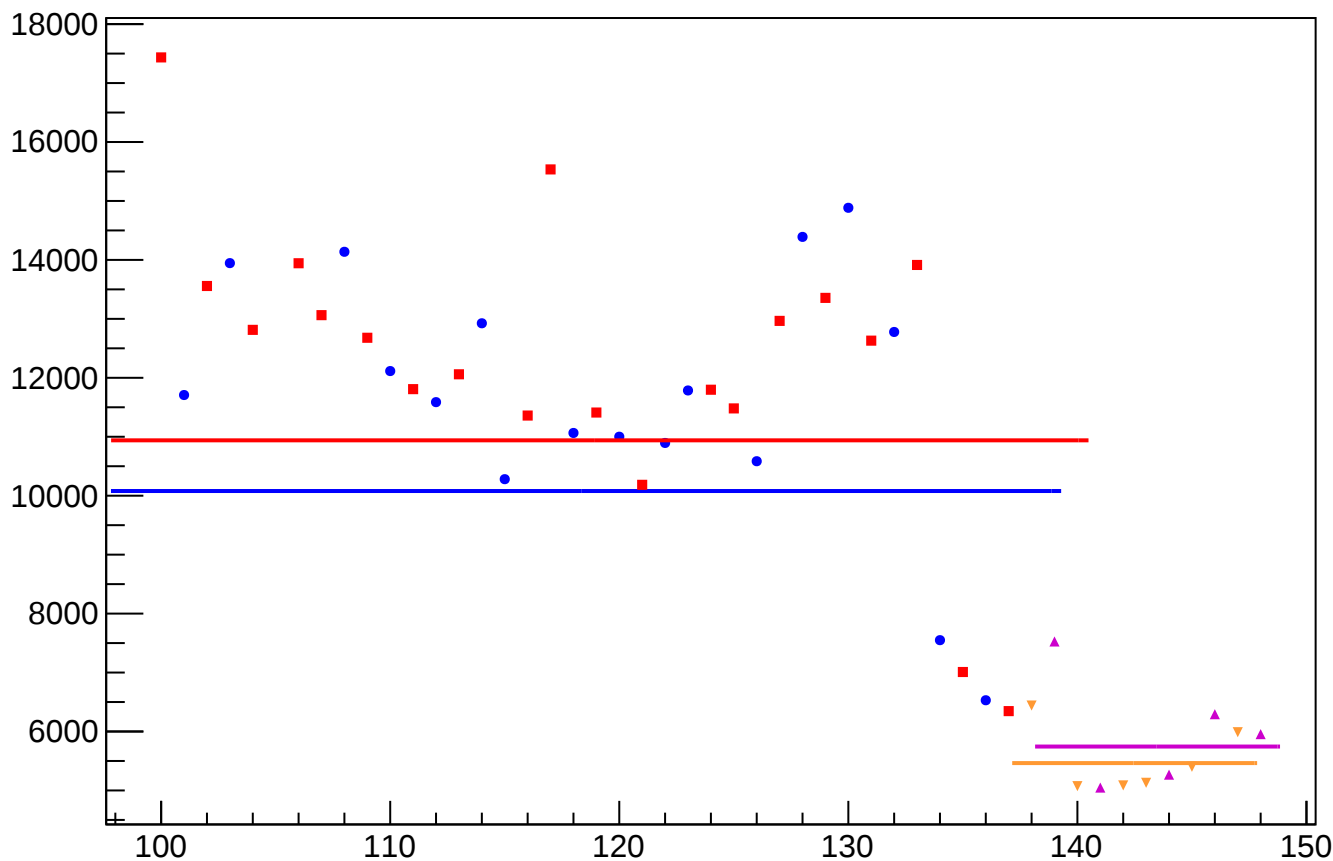
Left In: -0.040 ± 2.901 χ^2/NDF : 2.3/4

6.977 ± 2.249 χ^2/NDF : 38.9/22

2.753 ± 1.638 χ^2/NDF : 66.2/47

-2.016 ± 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: 5464.178 $\pm$ 1.909 χ^2 /NDF:64781.7/5

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

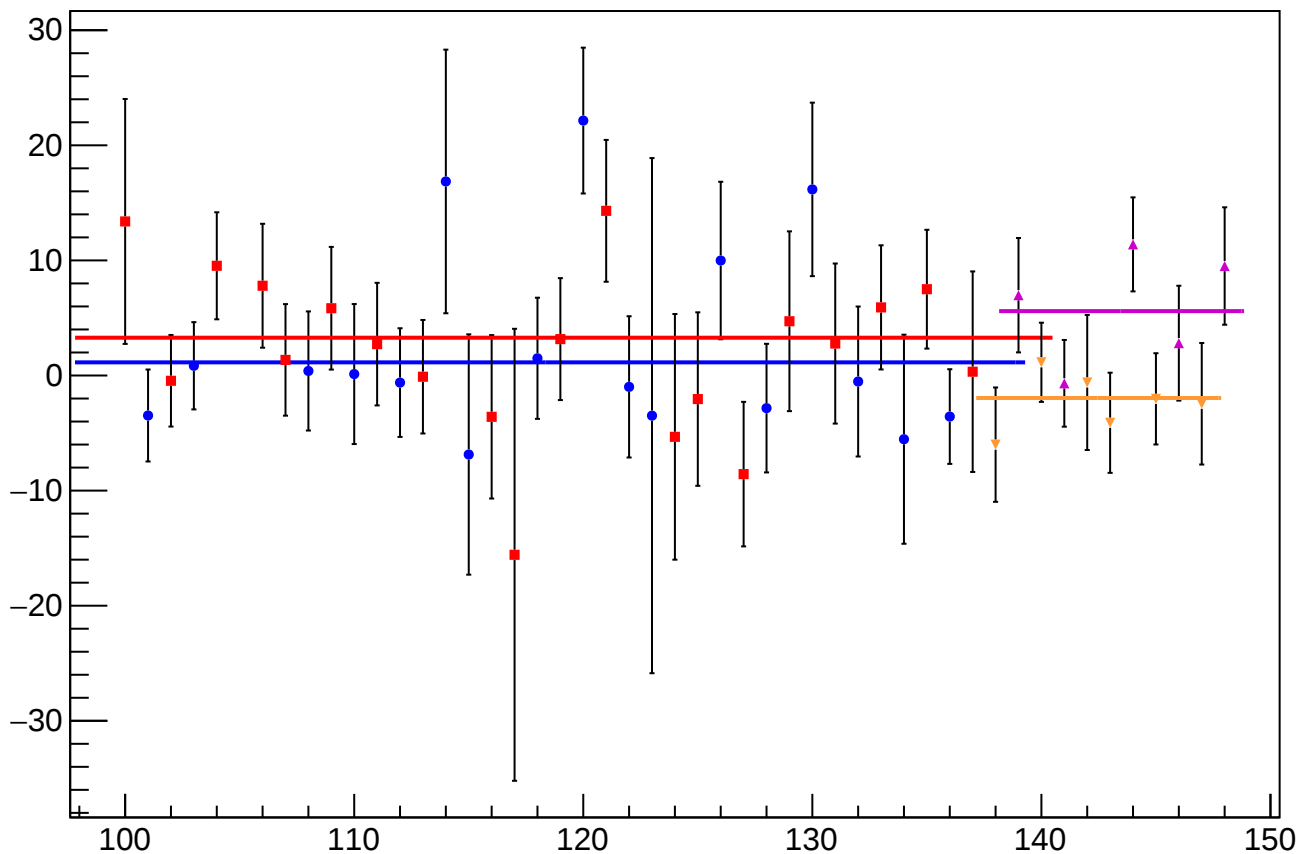
Left In: 5744.732 $\pm$ 2.052 χ^2 /NDF:136418.5/4

6876.986 $\pm$ 1.590 χ^2 /NDF: 2849154.4/22

7130.178 $\pm$ 1.158 χ^2 /NDF: 5878404.5/47

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: -1.953 $\pm$ 1.807 χ^2/NDF : 1.8/5

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

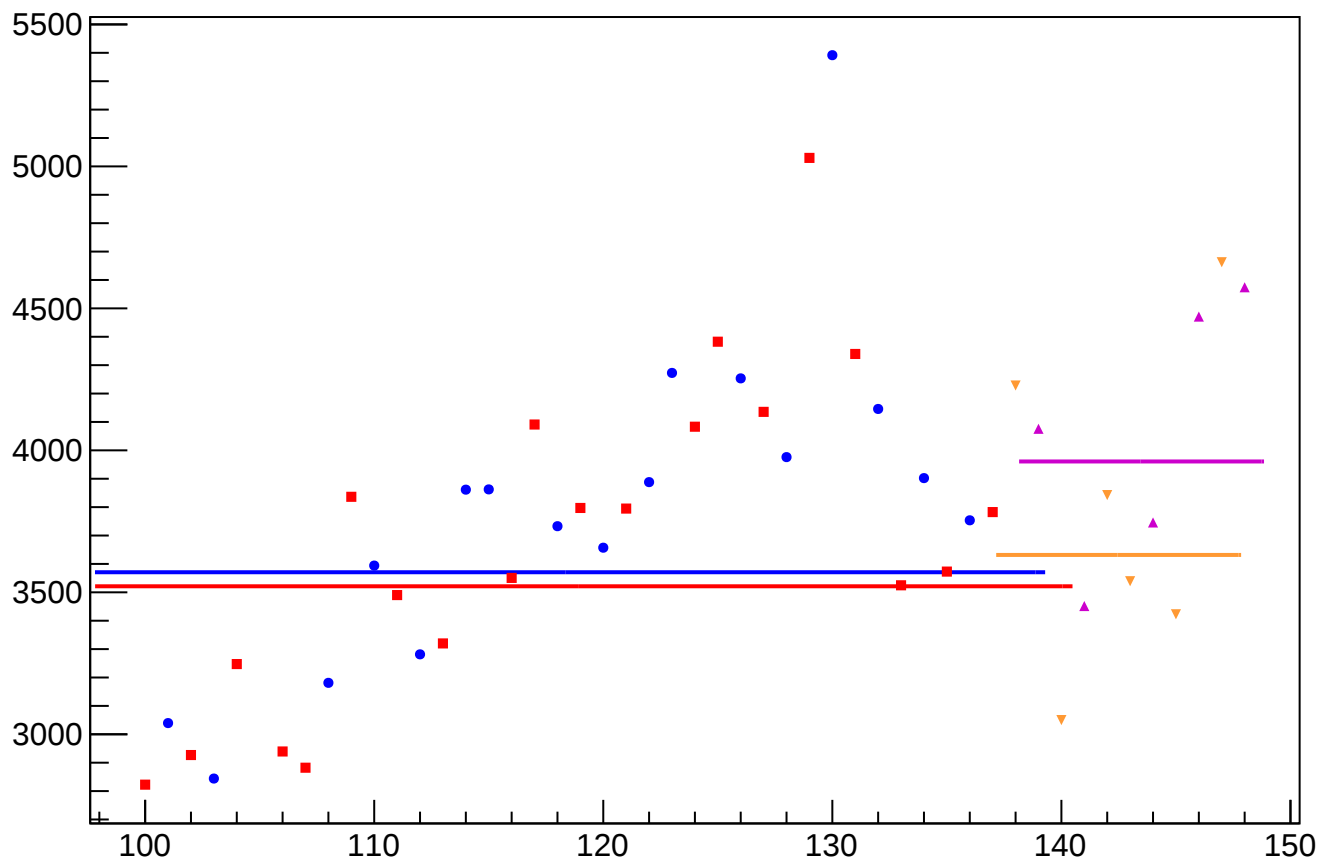
Left In: 5.595 $\pm$ 2.002 χ^2/NDF : 5.8/4

-0.014 $\pm$ 1.104 χ^2/NDF : 26.9/22

1.982 $\pm$ 0.782 χ^2/NDF : 56.1/47

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: 3631.651 $\pm$ 1.278 χ^2/NDF :171282.0/5

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

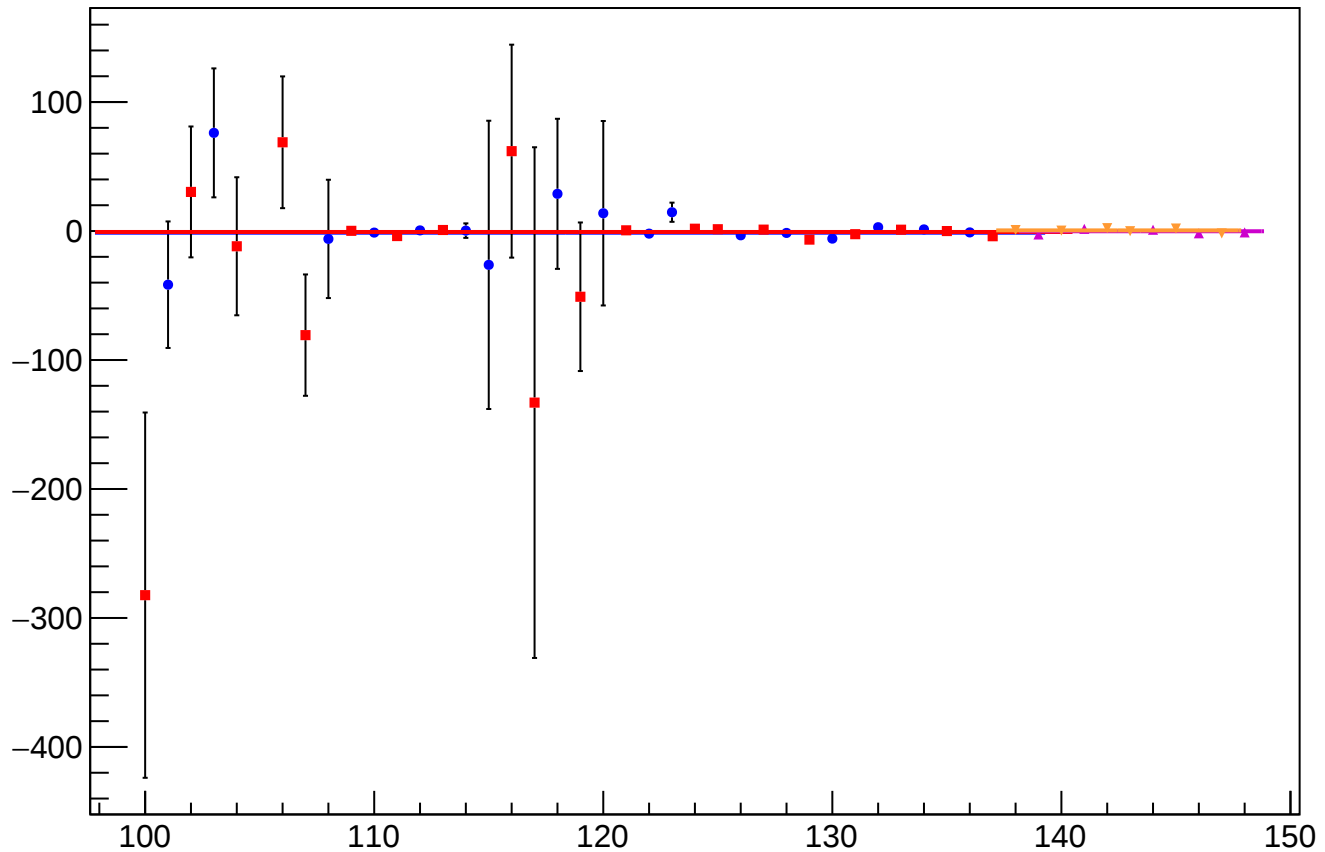
Left In: 3960.826 $\pm$ 1.416 χ^2/NDF :92996.5/4

3593.473 $\pm$ 0.781 χ^2/NDF : 482275.4/22

3624.566 $\pm$ 0.553 χ^2/NDF : 940267.9/47

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: 0.492 ± 0.513 χ^2/NDF : 6.4/5

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

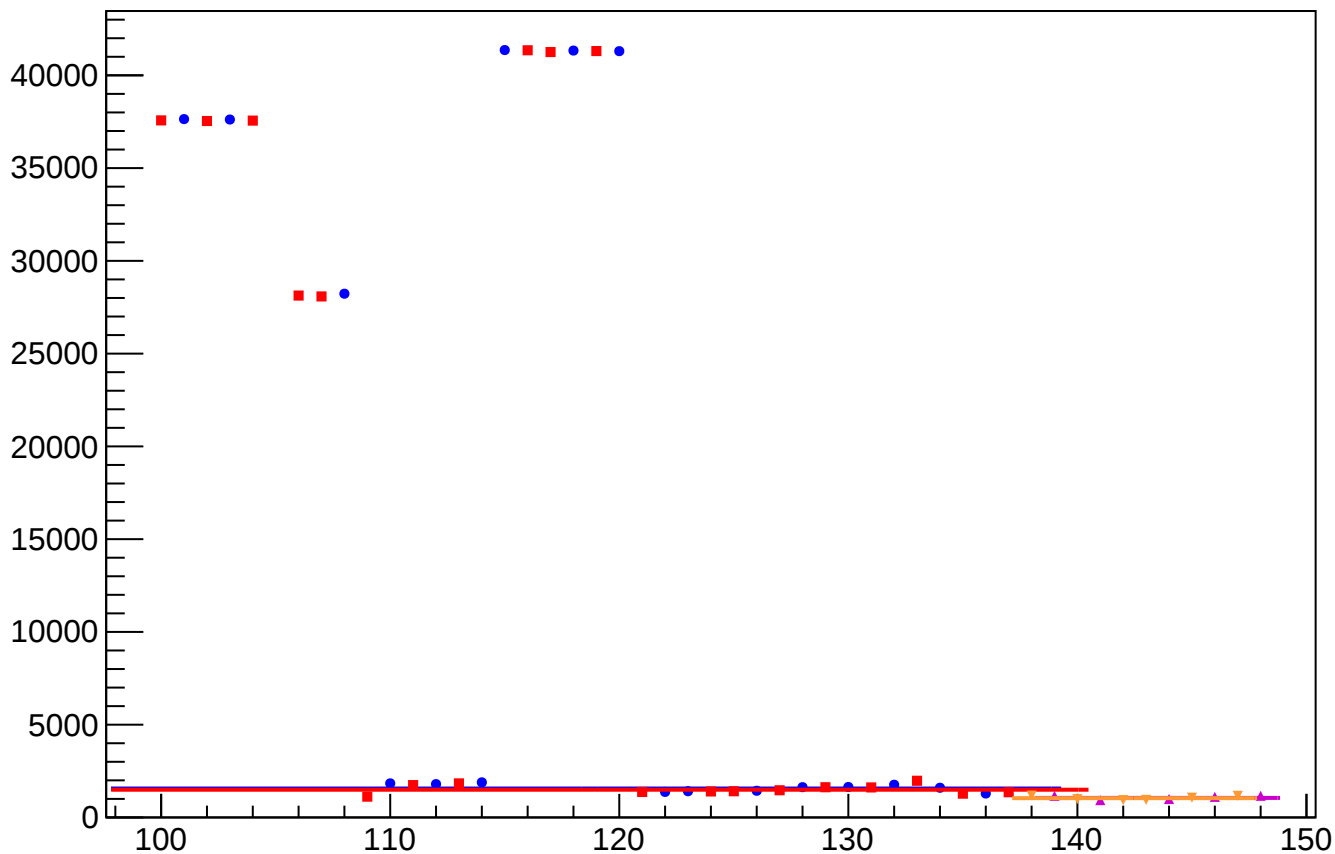
Left In: -0.175 ± 0.530 χ^2/NDF : 9.7/4

-0.069 ± 0.423 χ^2/NDF : 26.5/22

-0.221 ± 0.300 χ^2/NDF : 59.3/47

-0.375 ± 0.425 χ^2/NDF : 32.6/24

diff_bpm1p02bX_rms vs Slug, Sign Corrected



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

Left Out: 1040.089+/-0.363 χ^2/NDF : 67707.7/5

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

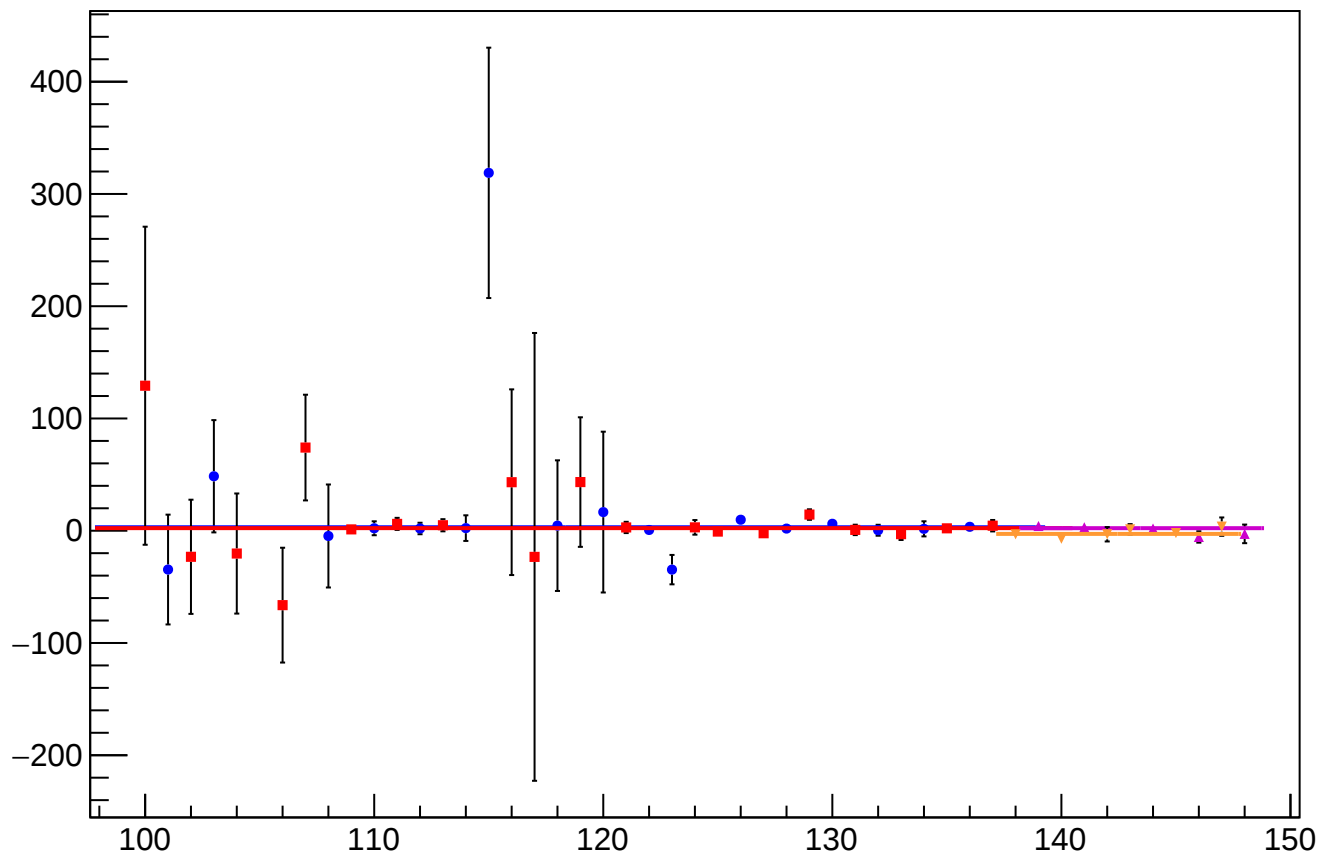
Left In: 1053.226+/-0.375 χ^2/NDF : 66262.6/4

1206.084+/-0.299 χ^2/NDF : 5476209.8/22

1208.690+/-0.212 χ^2/NDF : 11013401.1/4

1211.318+/-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: -2.824+/-1.546 χ^2/NDF : 2.6/5

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

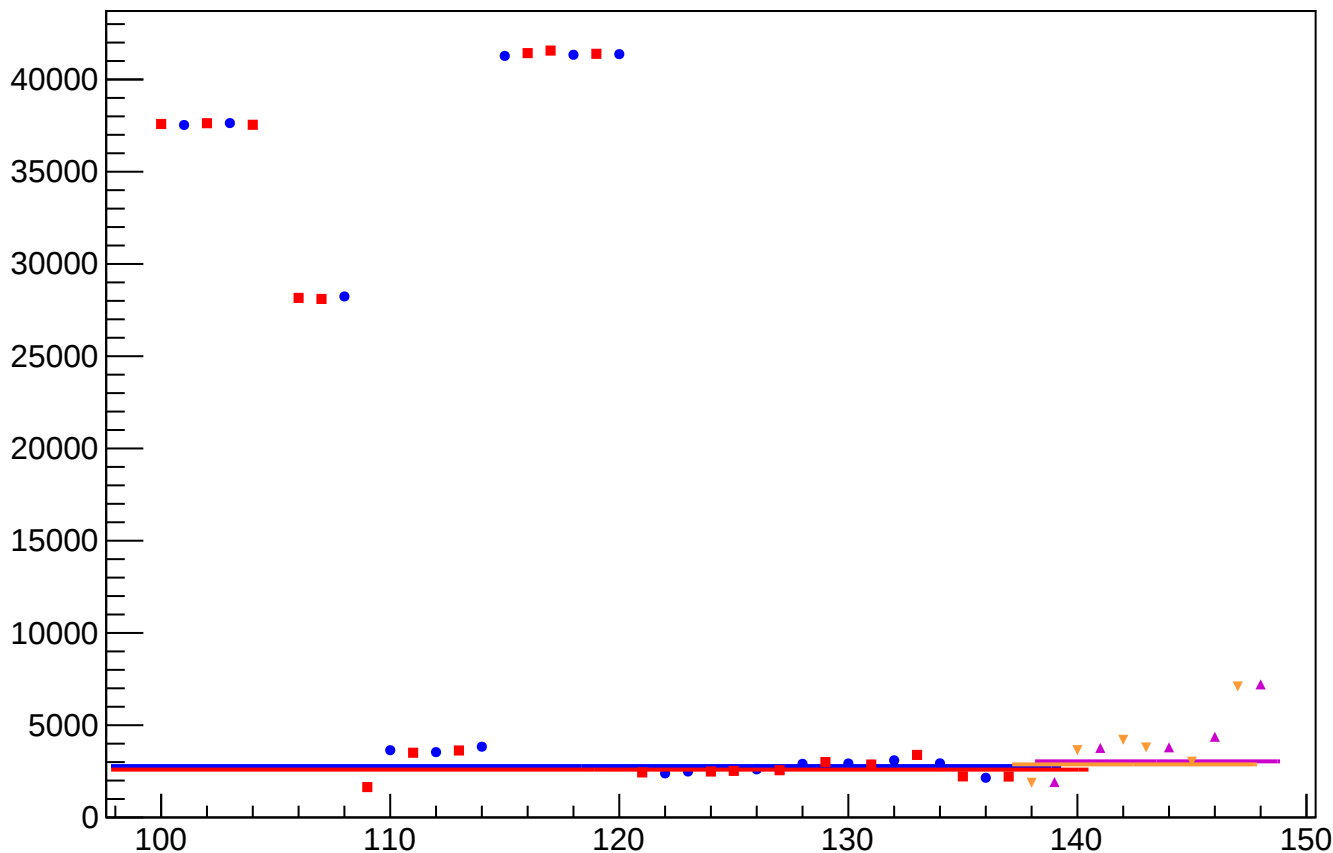
Left In: 2.272+/-1.692 χ^2/NDF : 3.5/4

0.581+/-1.005 χ^2/NDF : 32.9/22

1.444+/-0.708 χ^2/NDF : 54.7/47

2.293+/-0.997 χ^2/NDF : 20.4/24

diff_bpm1p02bY_rms vs Slug, Sign Corrected



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

Left Out: 2876.067+/-1.093 χ^2/NDF : 1156887.6/5

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

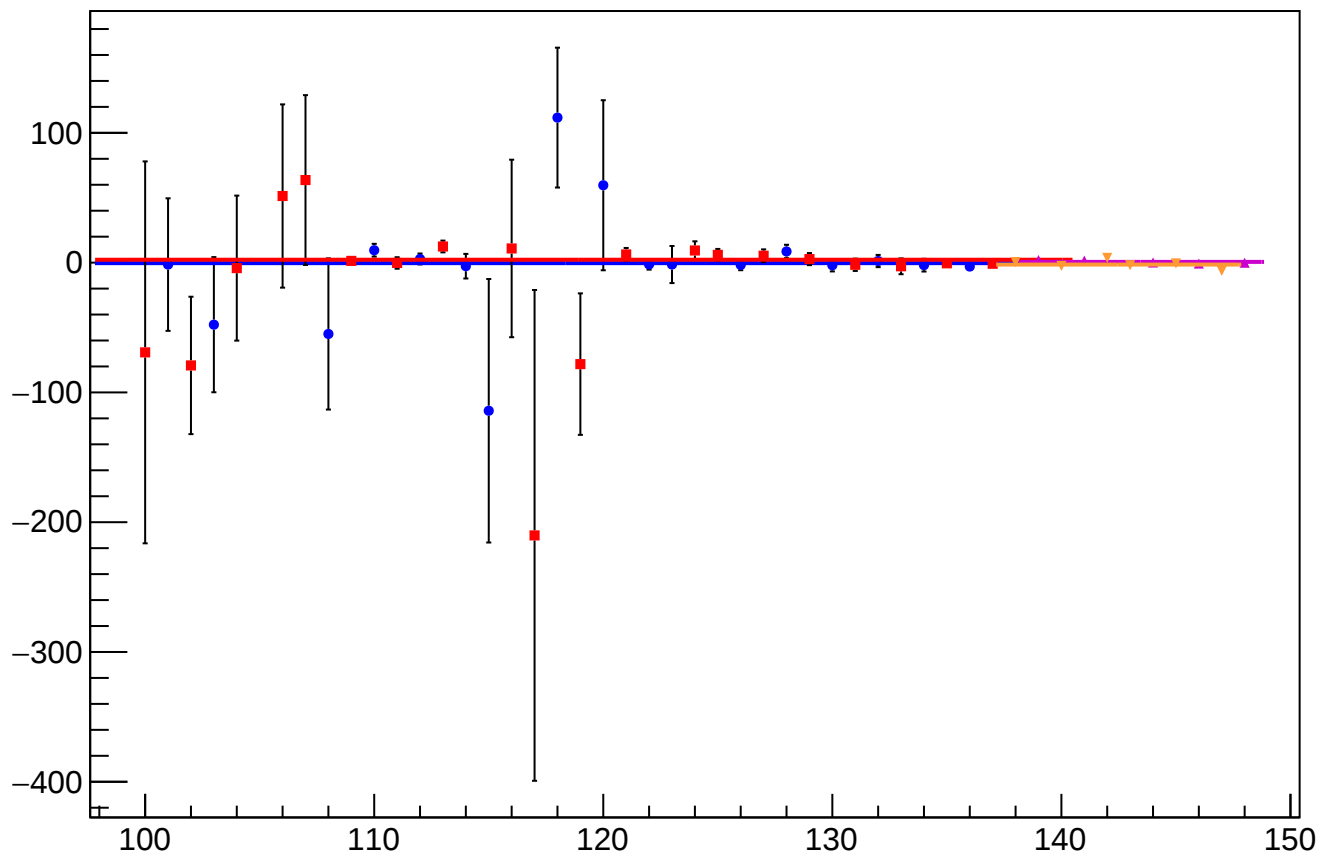
Left In: 3040.025+/-1.197 χ^2/NDF : 1223817.3/4

2822.922+/-0.711 χ^2/NDF : 5738406.7/22

2785.189+/-0.501 χ^2/NDF : 11982126.5/4

2748.051+/-0.705 χ^2/NDF : 6238128.6/24

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -0.403 ± 1.218 $\chi^2/\text{NDF}: 18.3/16$

Left Out: -1.489 ± 0.766 $\chi^2/\text{NDF}: 13.1/5$

Right Out: 2.235 ± 1.246 $\chi^2/\text{NDF}: 18.7/19$

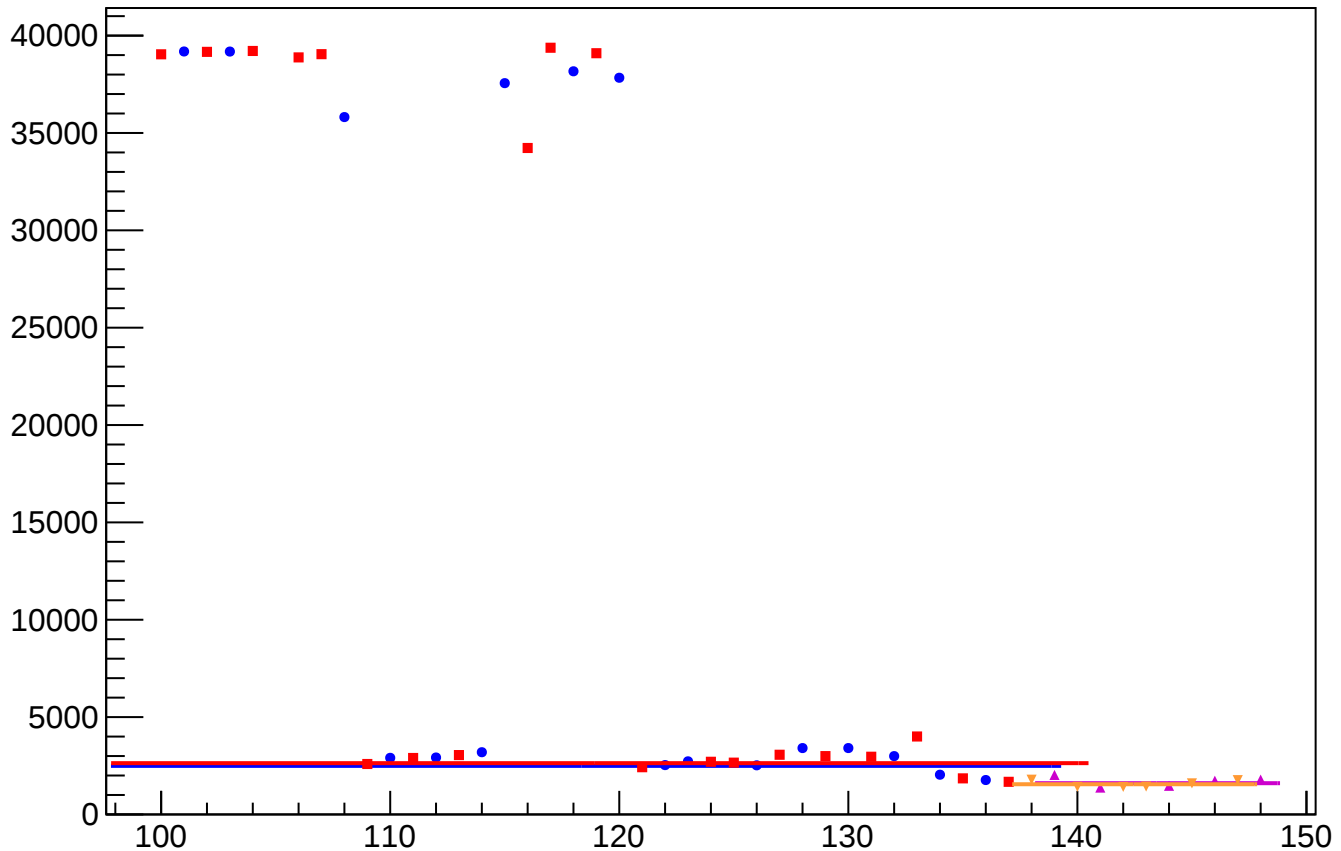
Left In: 0.570 ± 0.812 $\chi^2/\text{NDF}: 1.4/4$

-1.181 ± 0.648 $\chi^2/\text{NDF}: 32.0/22$

-0.111 ± 0.469 $\chi^2/\text{NDF}: 59.1/47$

1.067 ± 0.680 $\chi^2/\text{NDF}: 21.4/24$

diff_bpm1p03aX_rms vs Slug, Sign Corrected



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

Left Out: 1551.989 ± 0.542 $\chi^2/\text{NDF}: 78386.0/5$

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

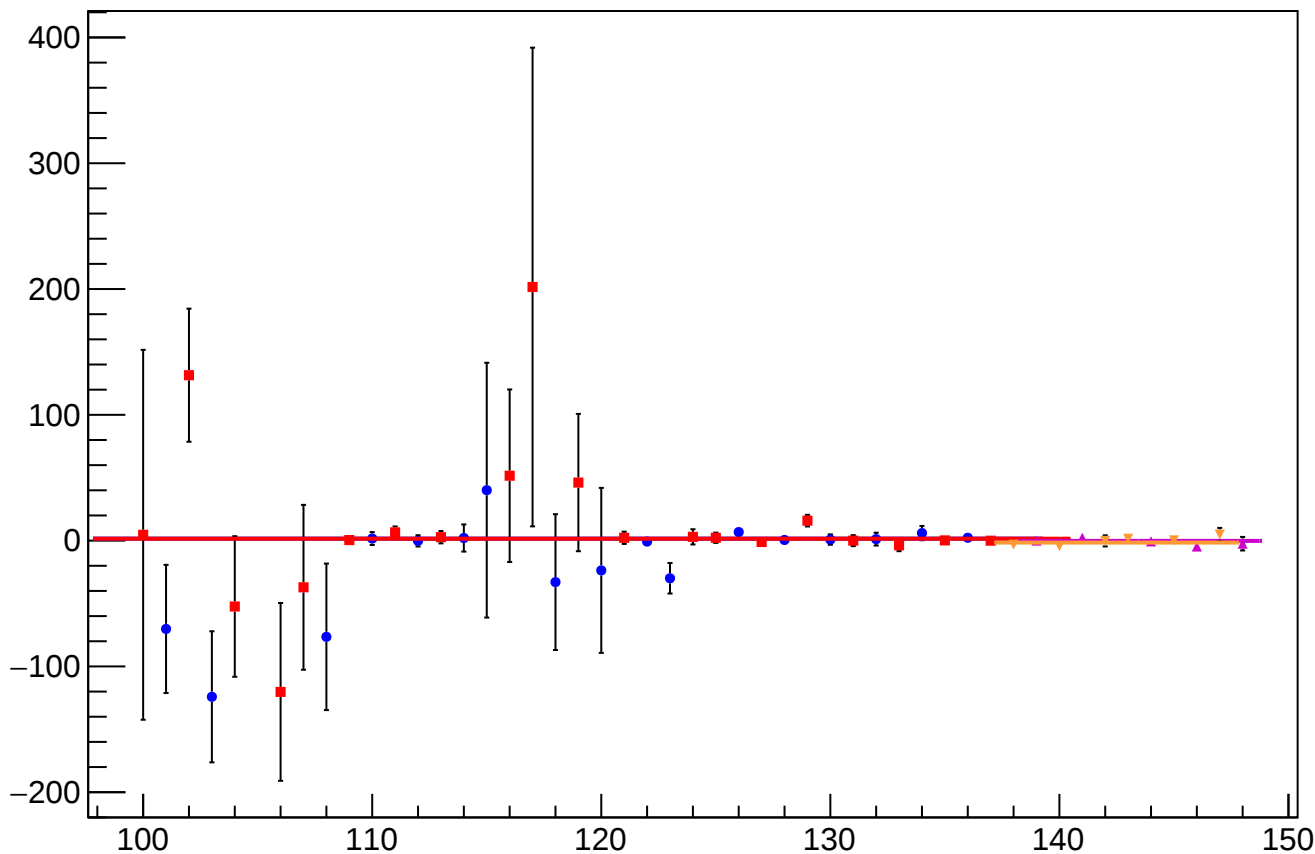
Left In: 1605.834 ± 0.574 $\chi^2/\text{NDF}: 144594.8/4$

1819.500 ± 0.459 $\chi^2/\text{NDF}: 5821048.2/22$

1863.856 ± 0.332 $\chi^2/\text{NDF}: 11878786.8/4$

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: -1.545 ± 1.066 χ^2/NDF : 5.1/5

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

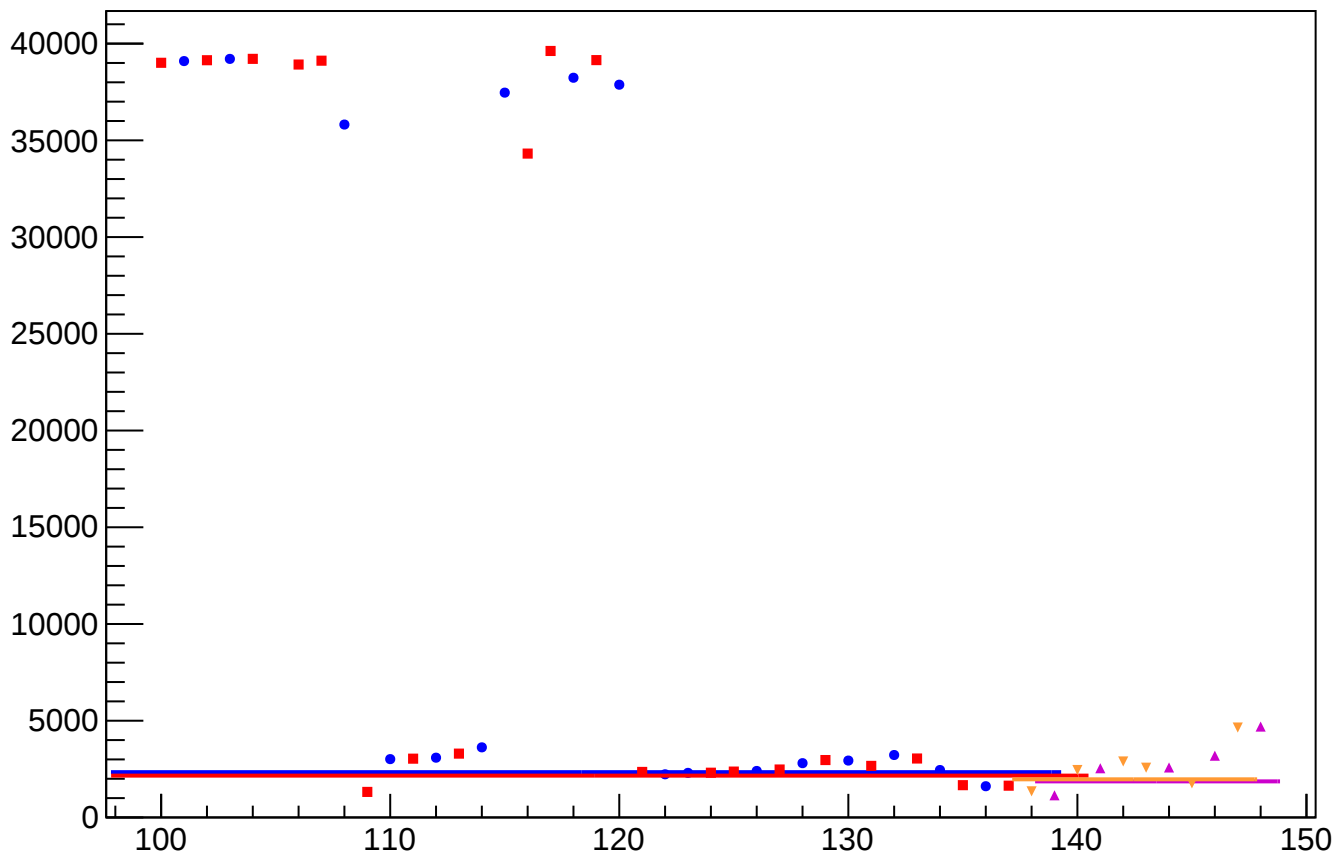
Left In: -0.209 ± 1.065 χ^2/NDF : 2.5/4

-0.093 ± 0.780 χ^2/NDF : 29.4/22

0.299 ± 0.541 χ^2/NDF : 59.9/47

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: 1971.133+/-0.754 χ^2/NDF : 1006291.6/5

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

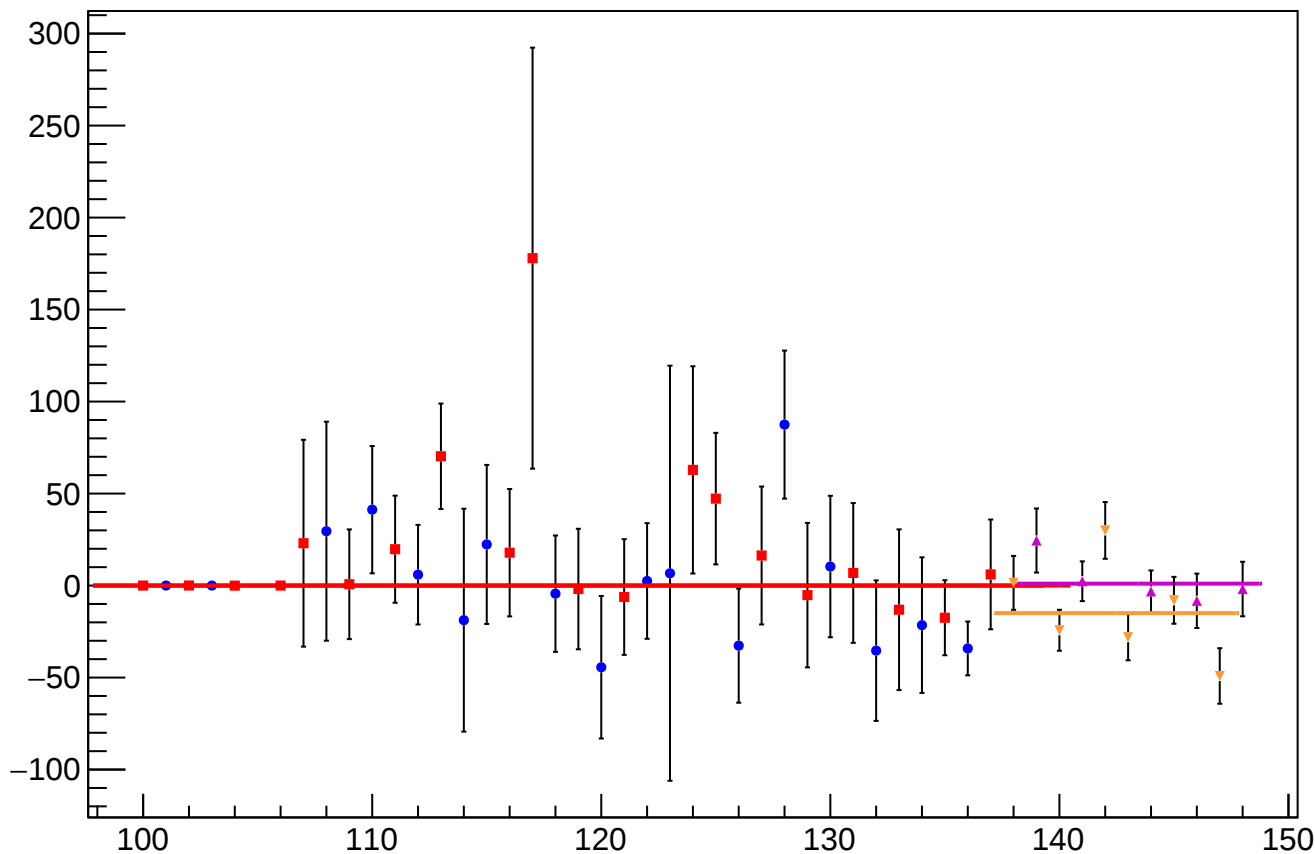
Left In: 1865.061+/-0.753 χ^2/NDF : 1597871.2/4

2143.248+/-0.551 χ^2/NDF : 6125248.3/22

2076.371+/-0.383 χ^2/NDF : 13206220.4/4

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: -14.963 ± 5.435 χ^2/NDF : 17.0/5

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

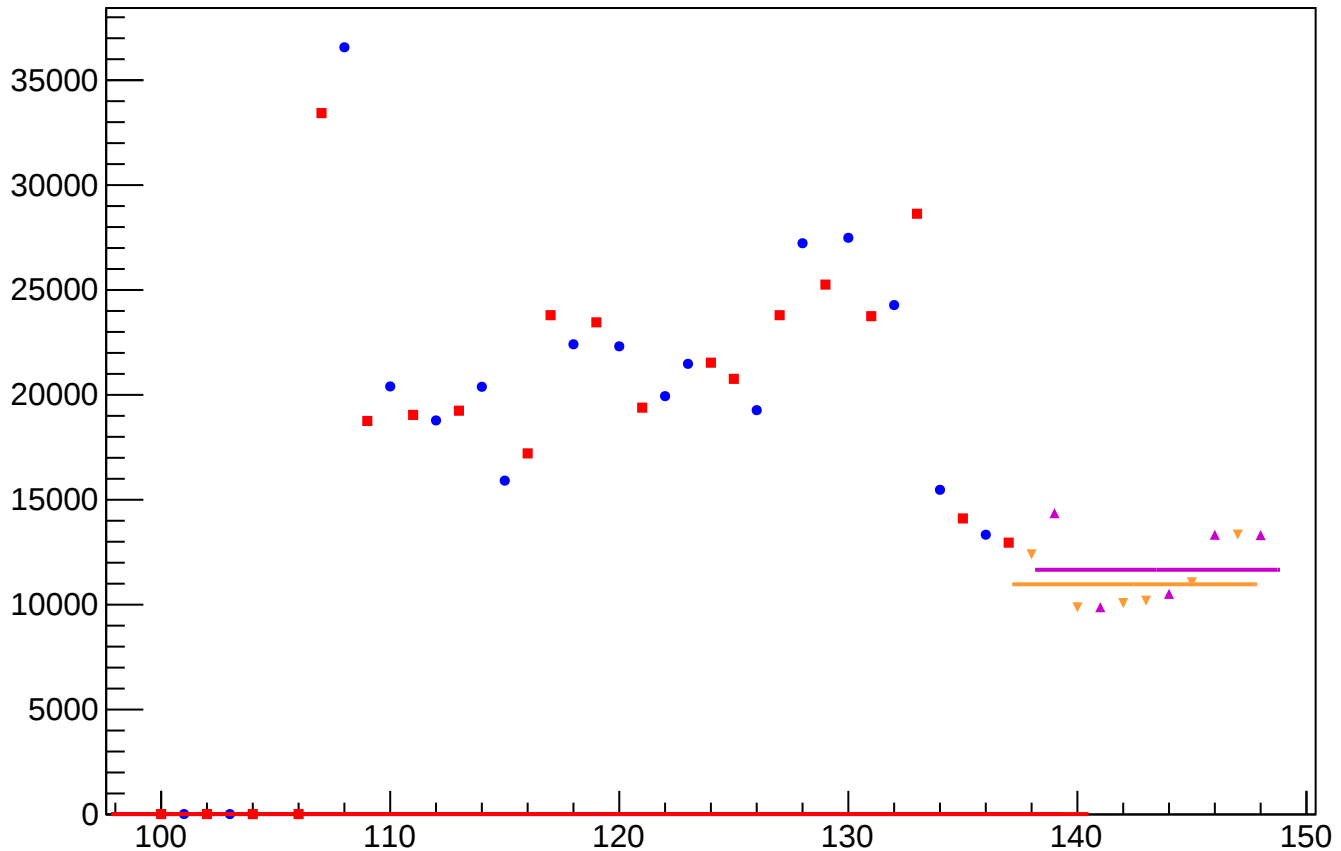
Left In: 1.045 ± 5.905 χ^2/NDF : 2.4/4

0.013 ± 0.017 χ^2/NDF : 40.7/22

0.004 ± 0.012 χ^2/NDF : 61.9/47

-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: 10971.363 $\pm$ 3.843 χ^2/NDF : 102483.8/5

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

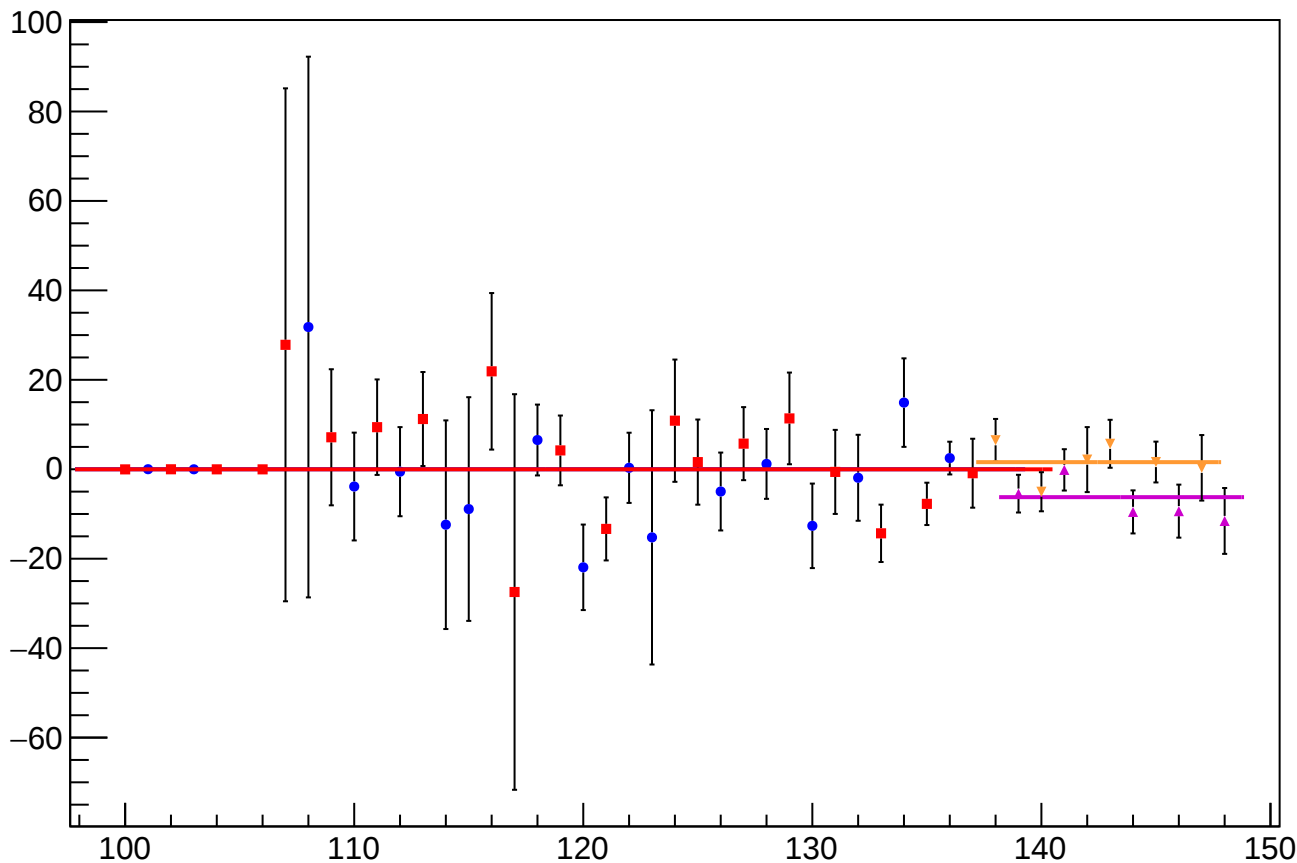
Left In: 11662.237 $\pm$ 4.175 χ^2/NDF : 173188.5/4

18.753 $\pm$ 0.012 χ^2/NDF : 19209274.1/22

18.562 $\pm$ 0.008 χ^2/NDF : 38356712.7/47

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: 1.590 $\pm$ 2.148 χ^2/NDF : 4.0/5

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

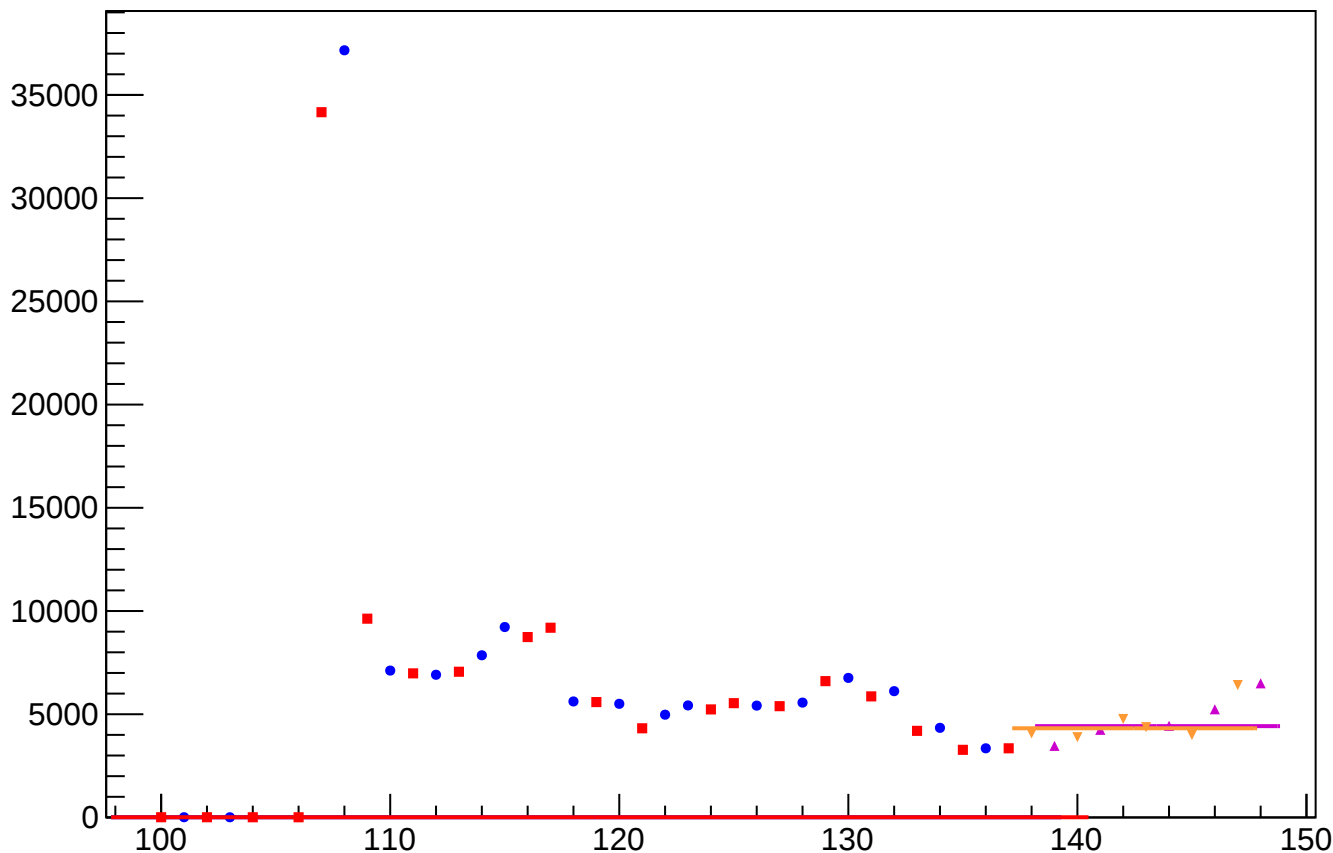
Left In: -6.236 $\pm$ 2.276 χ^2/NDF : 3.0/4

0.001 $\pm$ 0.009 χ^2/NDF : 17.5/22

-0.007 $\pm$ 0.006 χ^2/NDF : 48.4/47

-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: 4320.574+/-1.519 χ^2/NDF :206108.9/5

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

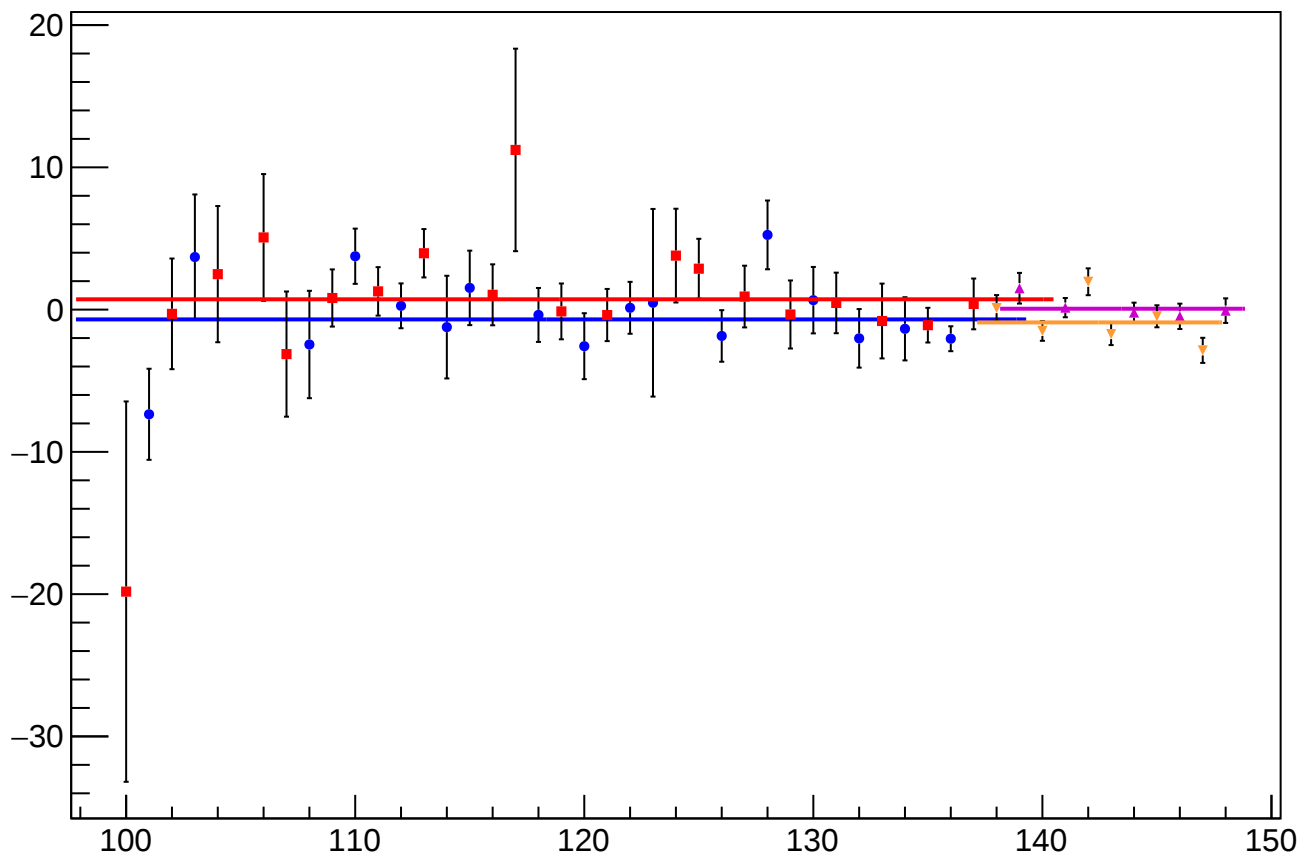
Left In: 4423.801+/-1.609 χ^2/NDF :302366.6/4

10.018+/-0.007 χ^2/NDF : 19374533.9/22

9.965+/-0.004 χ^2/NDF : 38446217.7/47

9.919+/-0.006 χ^2/NDF : 19071559.3/24

diff_cav4cX_mean vs Slug, Sign Corrected



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

Left Out: -0.900 ± 0.333 χ^2/NDF : 17.5/5

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

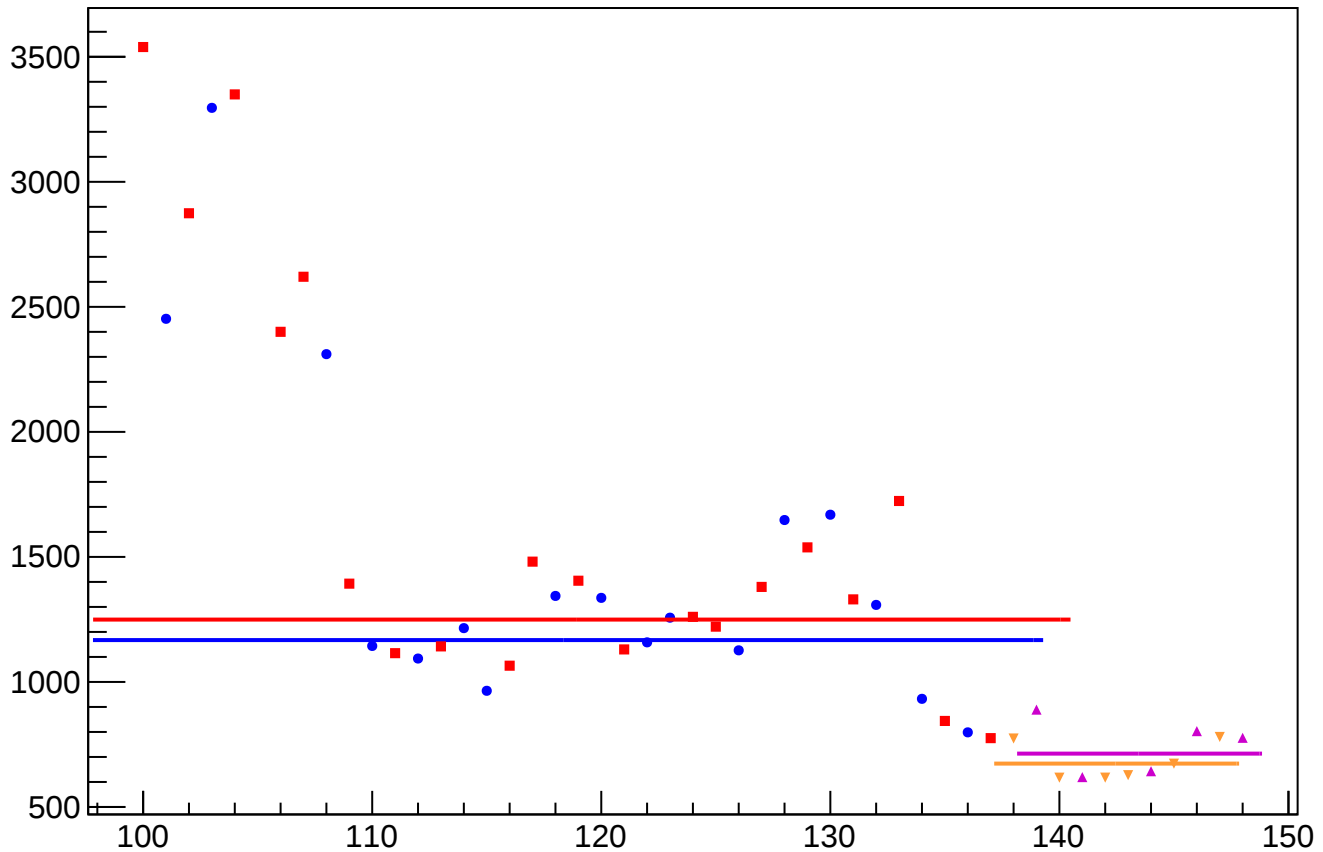
Left In: 0.062 ± 0.360 χ^2/NDF : 2.3/4

-0.832 ± 0.274 χ^2/NDF : 40.2/22

-0.308 ± 0.200 χ^2/NDF : 67.0/47

0.289 ± 0.292 χ^2/NDF : 19.0/24

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1167.397 ± 0.341 $\chi^2/\text{NDF}: 1578328.1/16$

Left Out: 673.458 ± 0.235 $\chi^2/\text{NDF}: 80755.9/5$

Right Out: 1249.388 ± 0.353 $\chi^2/\text{NDF}: 1656159.5/19$

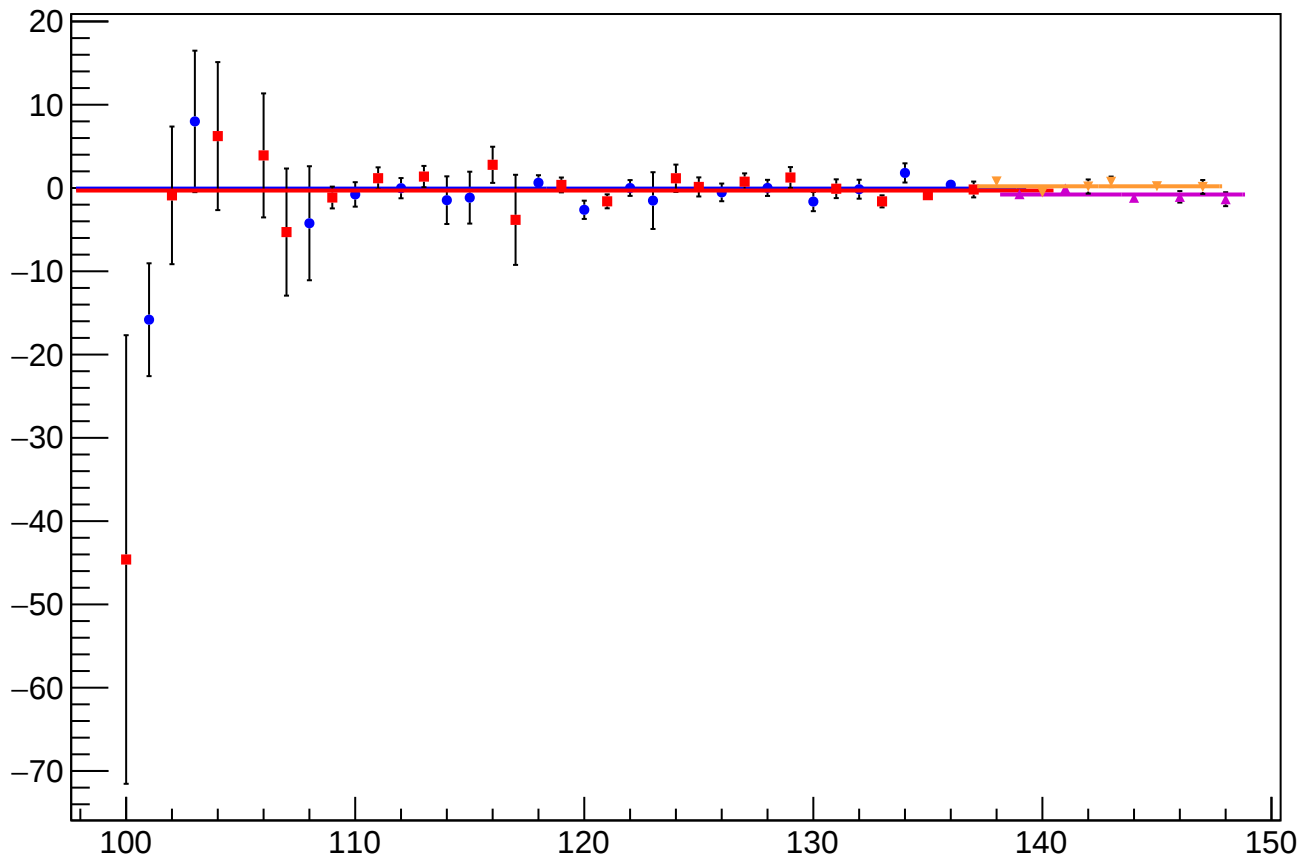
Left In: 713.362 ± 0.255 $\chi^2/\text{NDF}: 143236.9/4$

832.851 ± 0.194 $\chi^2/\text{NDF}: 3080019.0/22$

862.801 ± 0.141 $\chi^2/\text{NDF}: 6445511.1/47$

896.880 ± 0.207 $\chi^2/\text{NDF}: 3314391.2/24$

diff_cav4cY_mean vs Slug, Sign Corrected



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

Left Out: 0.206 ± 0.253 χ^2/NDF : 3.9/5

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

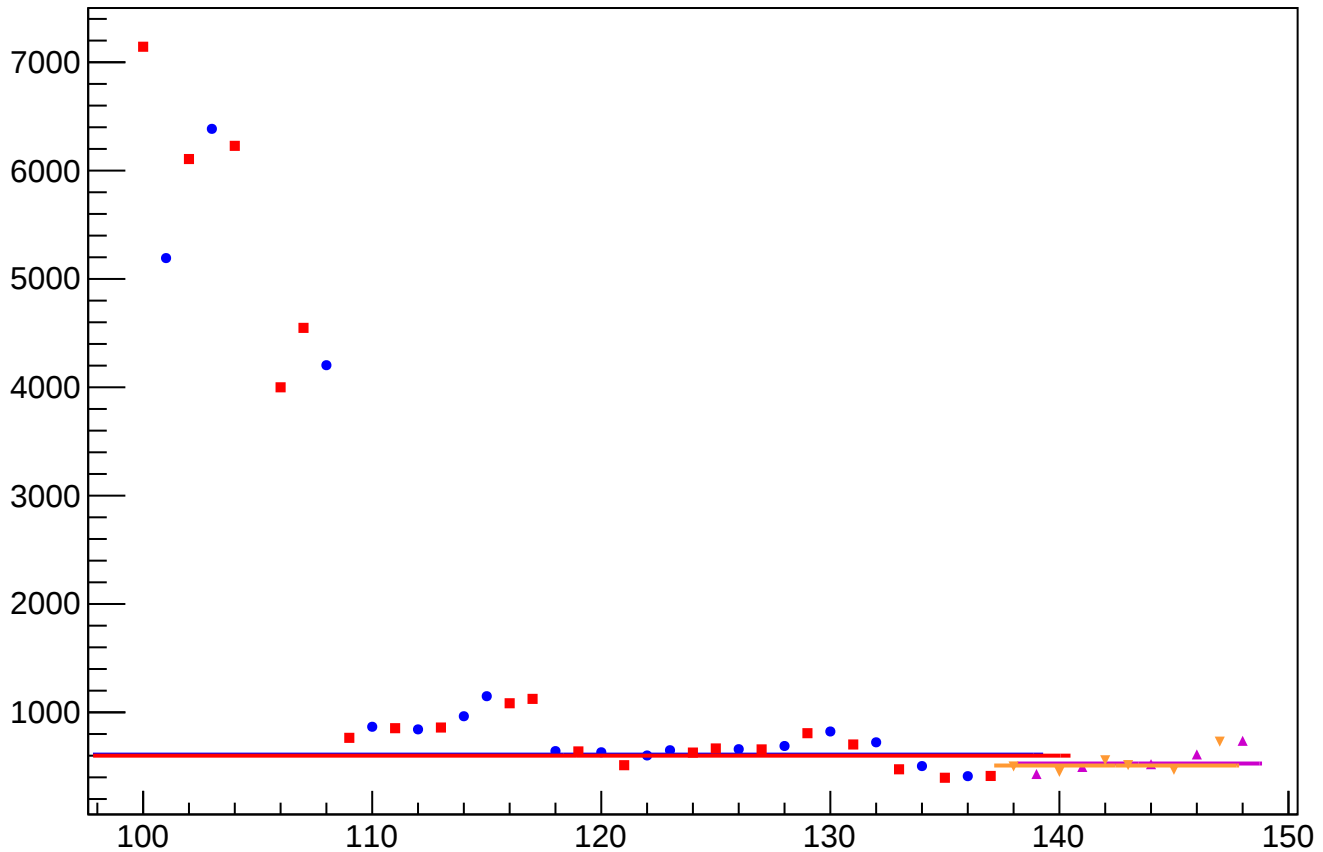
Left In: -0.780 ± 0.270 χ^2/NDF : 2.9/4

0.075 ± 0.184 χ^2/NDF : 23.7/22

-0.223 ± 0.132 χ^2/NDF : 54.2/47

-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: 509.259 $\pm$ 0.179 χ^2 /NDF: 184927.0/5

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

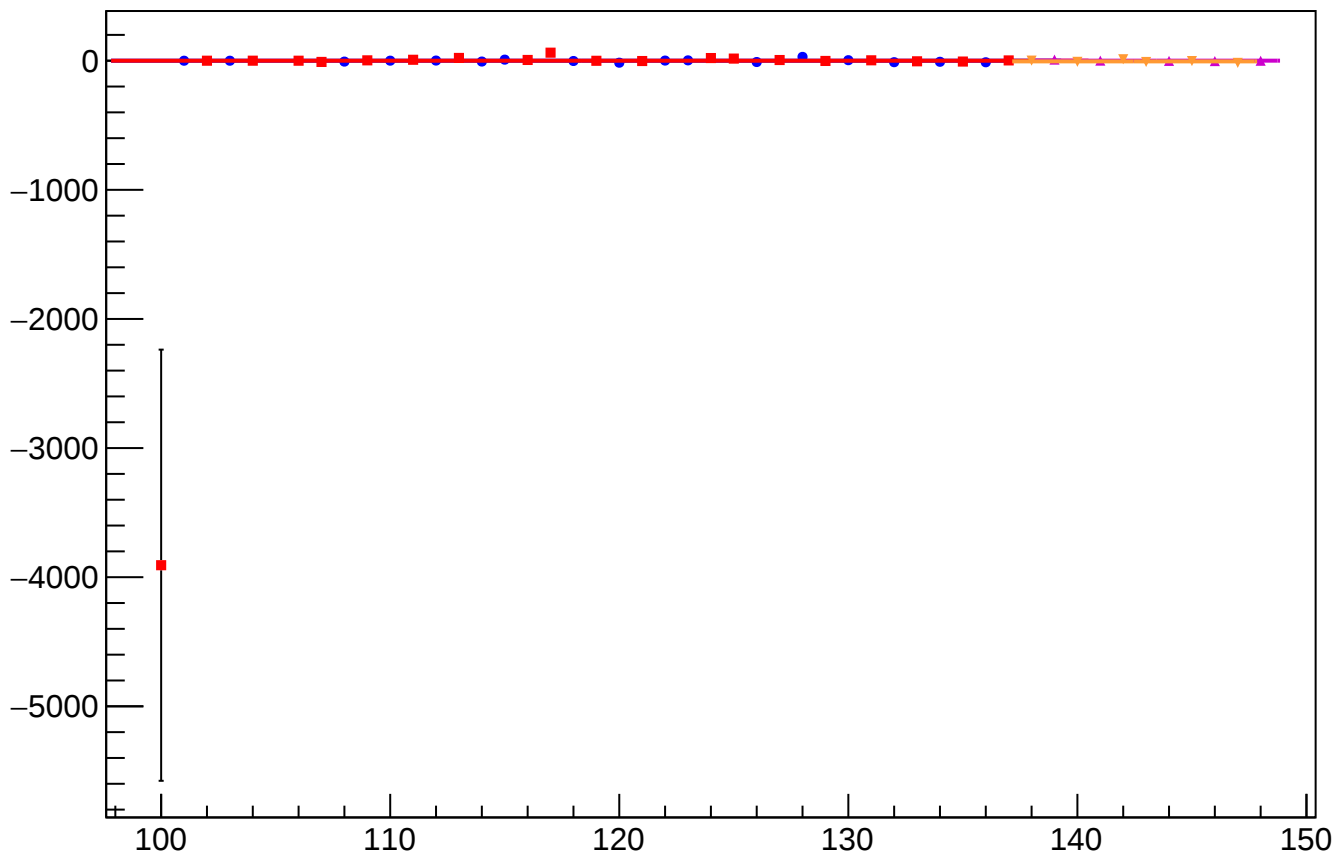
Left In: 527.634 $\pm$ 0.191 χ^2 /NDF: 230996.2/4

556.459 $\pm$ 0.130 χ^2 /NDF: 3469510.1/22

560.536 $\pm$ 0.093 χ^2 /NDF: 7347815.9/47

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

diff_cav4dX_mean vs Slug, Sign Corrected



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

Left Out: -5.162 $\pm$ 1.925 χ^2 /NDF: 17.6/5

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

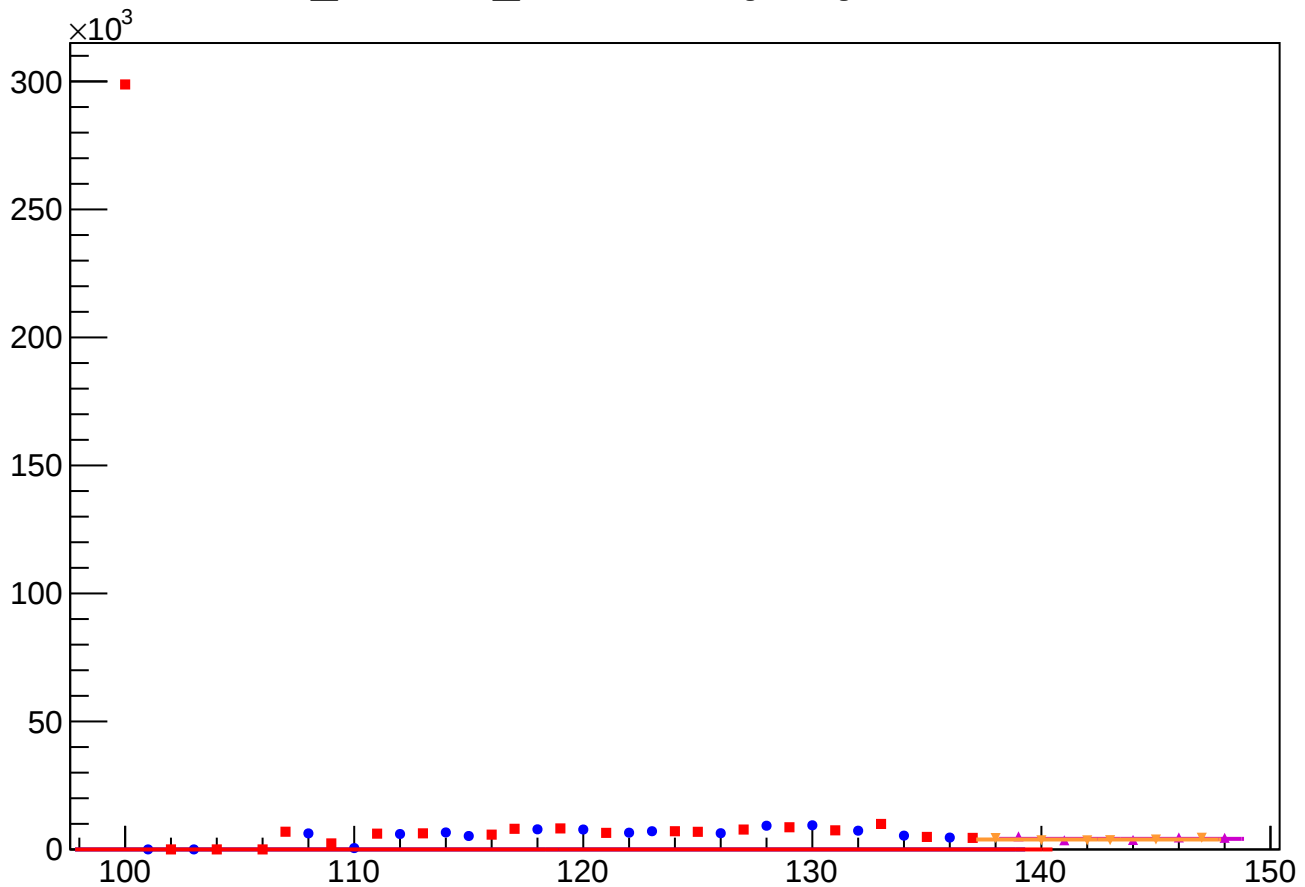
Left In: 0.357 $\pm$ 2.092 χ^2 /NDF: 2.4/4

-0.022 $\pm$ 0.021 χ^2 /NDF: 40.3/22

0.003 $\pm$ 0.014 χ^2 /NDF: 66.1/47

0.027 $\pm$ 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: 3893.220 ± 1.361 χ^2/NDF : 84200.5/5

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

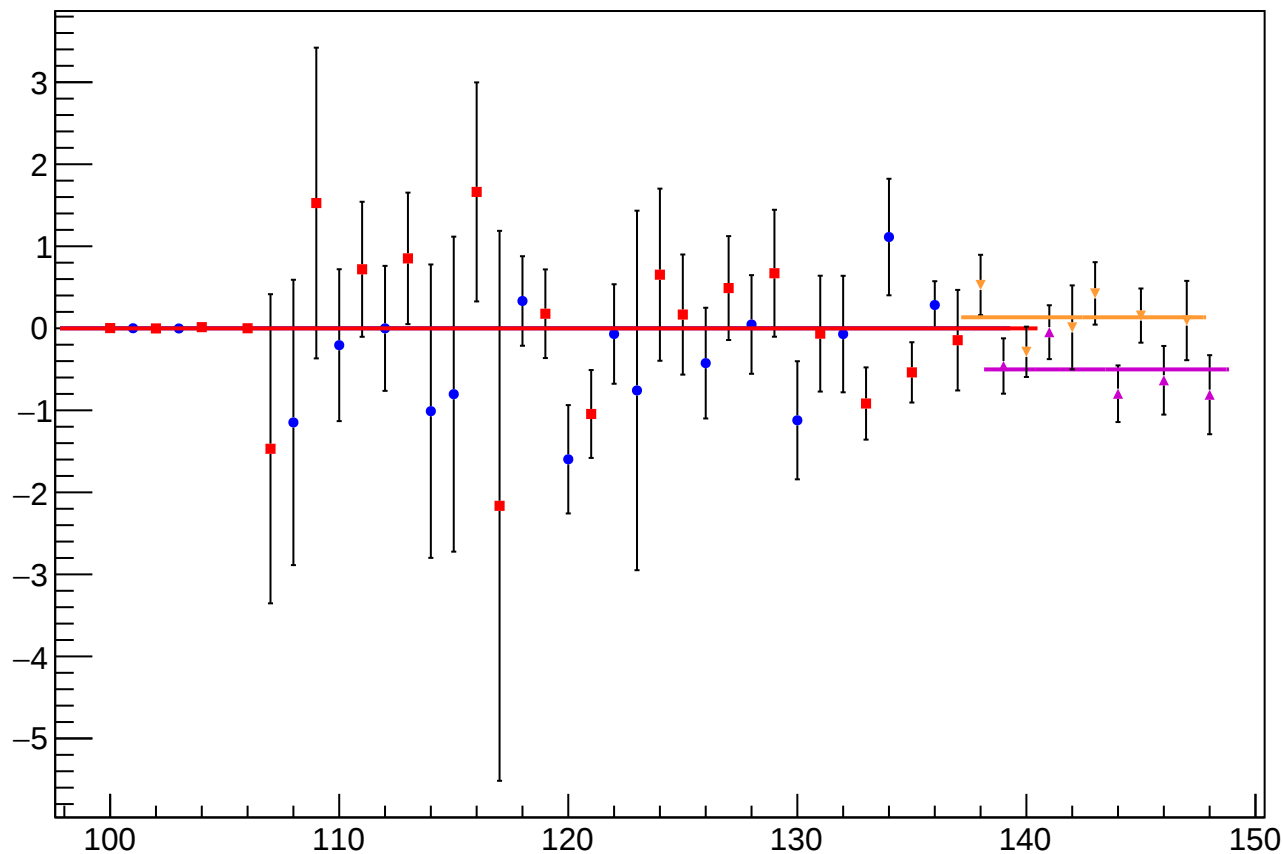
Left In: 4139.339 ± 1.479 χ^2/NDF : 148203.9/4

17.793 ± 0.015 χ^2/NDF : 18689437.6/22

17.712 ± 0.010 χ^2/NDF : 37510632.5/47

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

diff_cav4dY_mean vs Slug, Sign Corrected



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

Left Out: 0.134 $\pm$ 0.154 χ^2/NDF : 3.7/5

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

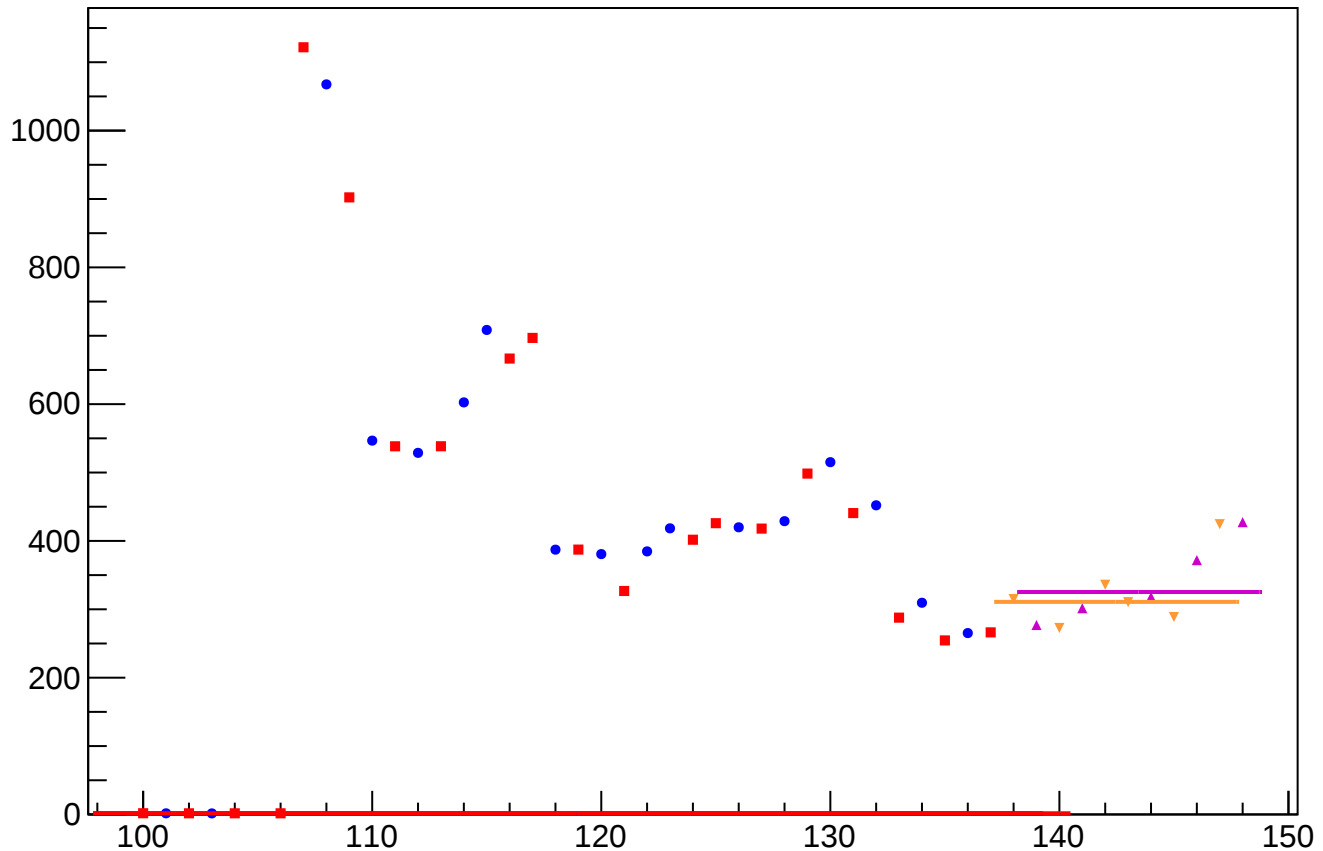
Left In: -0.501 $\pm$ 0.166 χ^2/NDF : 3.2/4

0.000 $\pm$ 0.002 χ^2/NDF : 18.2/22

-0.000 $\pm$ 0.001 χ^2/NDF : 49.0/47

-0.001 $\pm$ 0.002 χ^2/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: 310.865 $\pm$ 0.109 χ^2/NDF : 155399.5/5

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

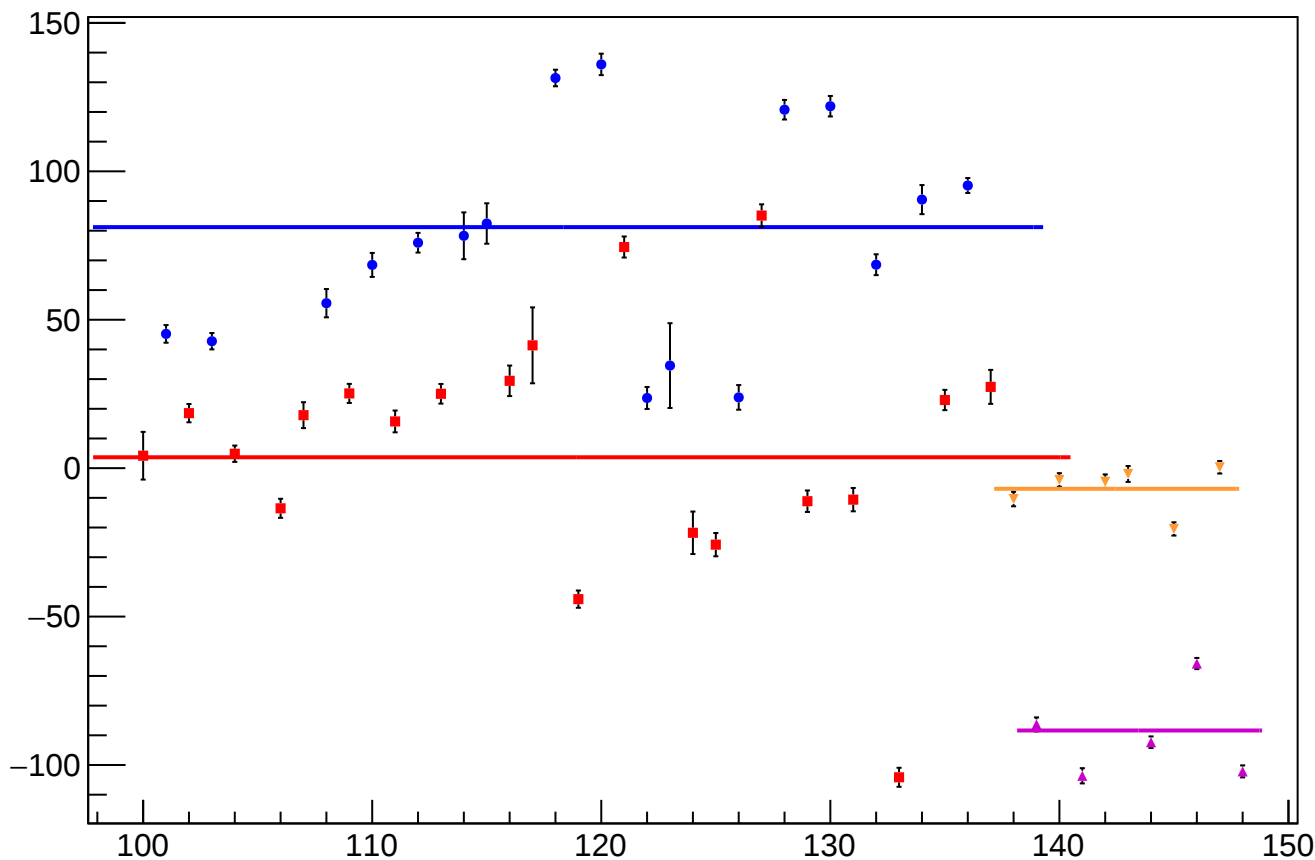
Left In: 325.313 $\pm$ 0.117 χ^2/NDF : 166949.1/4

1.753 $\pm$ 0.001 χ^2/NDF : 19272973.4/22

1.763 $\pm$ 0.001 χ^2/NDF : 37907678.7/47

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

diff_bpm0i01X_mean vs Slug, Sign Corrected



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

Left Out: -6.945 $\pm$ 0.959 χ^2 /NDF: 56.5/5

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

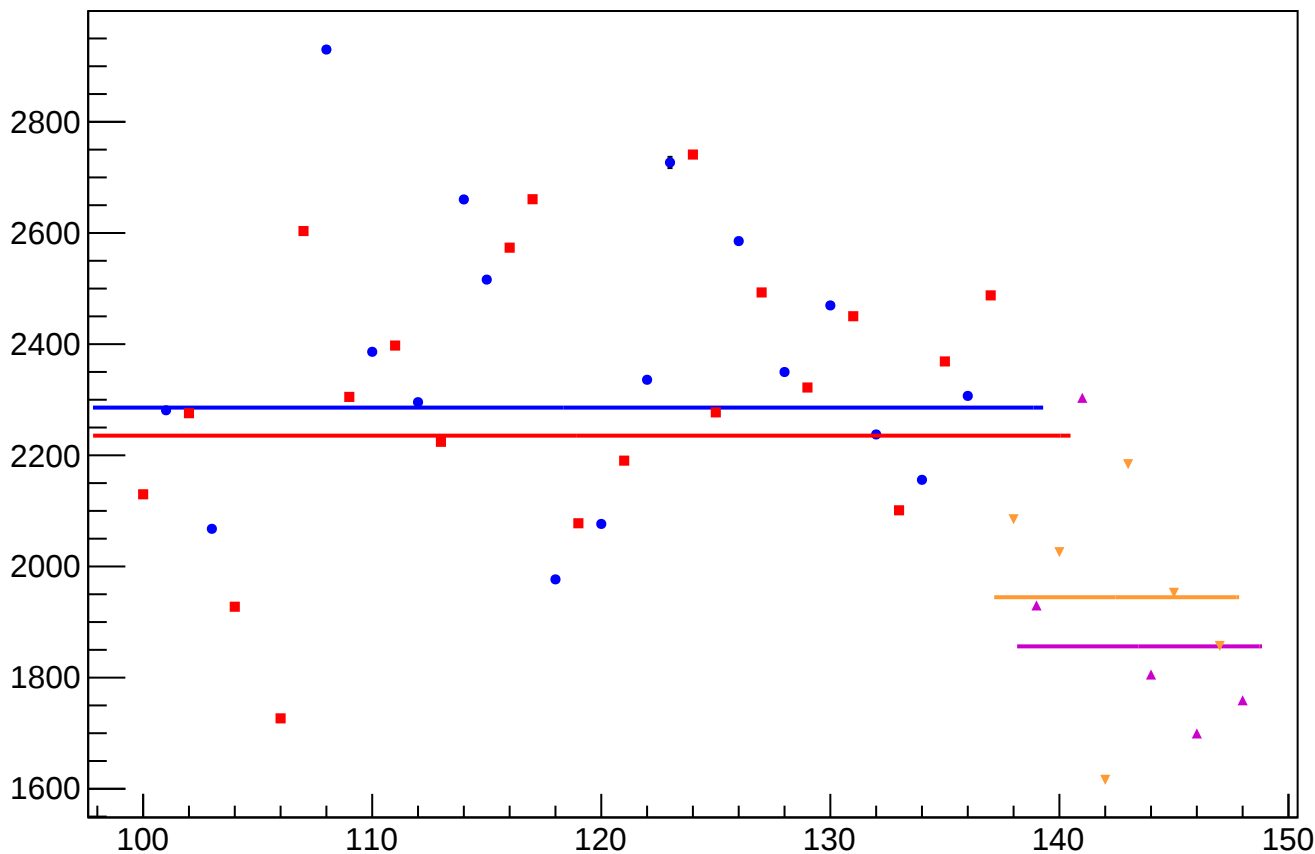
Left In: -88.375 $\pm$ 0.946 χ^2 /NDF: 229.8/4

40.610 $\pm$ 0.651 χ^2 /NDF: 6327.4/22

0.491 $\pm$ 0.452 χ^2 /NDF: 21806.6/47

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

diff_bpm0i01X_rms vs Slug, Sign Corrected



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

Left Out: 1944.676 ± 0.678 χ^2/NDF : 64096.8/5

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

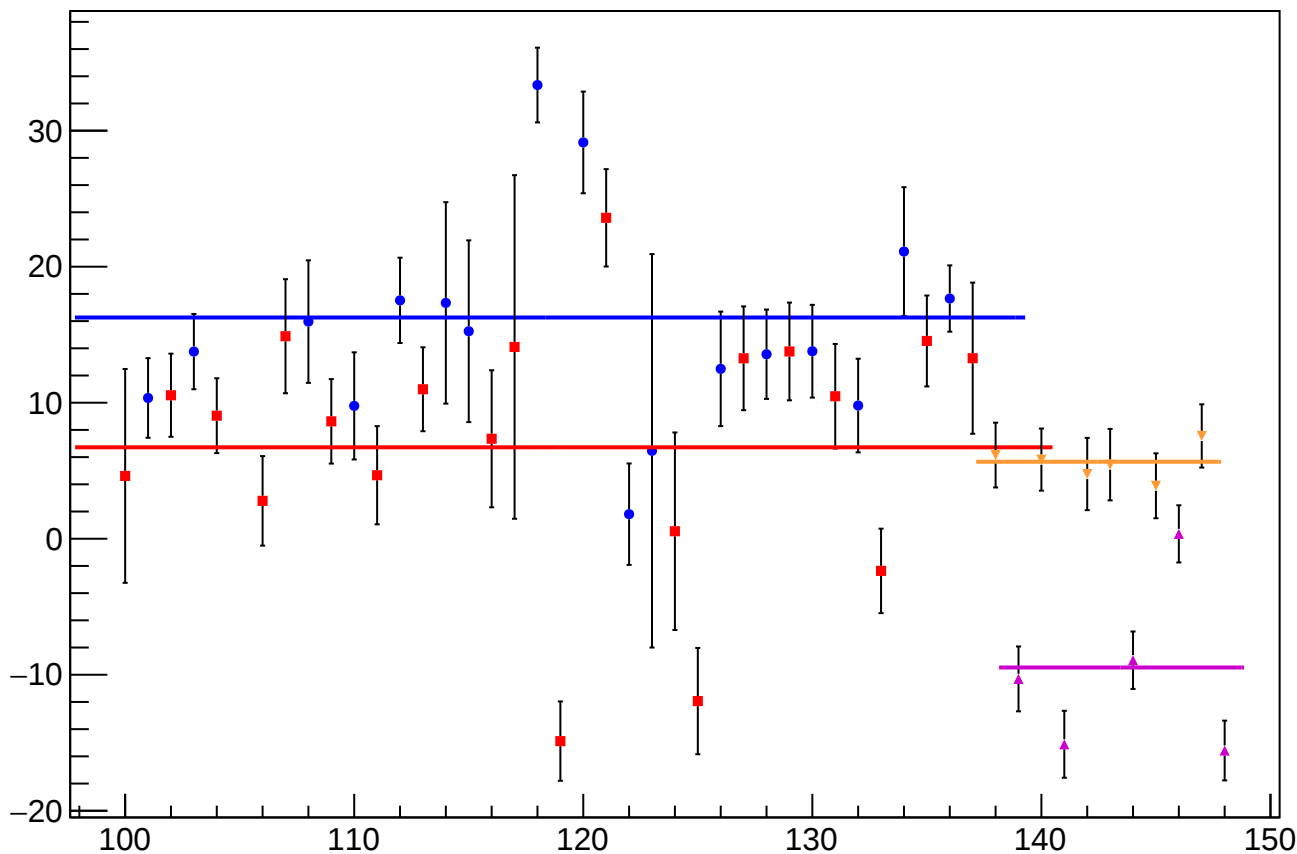
Left In: 1856.250 ± 0.669 χ^2/NDF : 82310.6/4

2128.743 ± 0.460 χ^2/NDF : 310098.4/22

2097.369 ± 0.320 χ^2/NDF : 729968.8/47

2068.094 ± 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: 5.658 $\pm$ 0.992 χ^2/NDF : 1.4/5

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

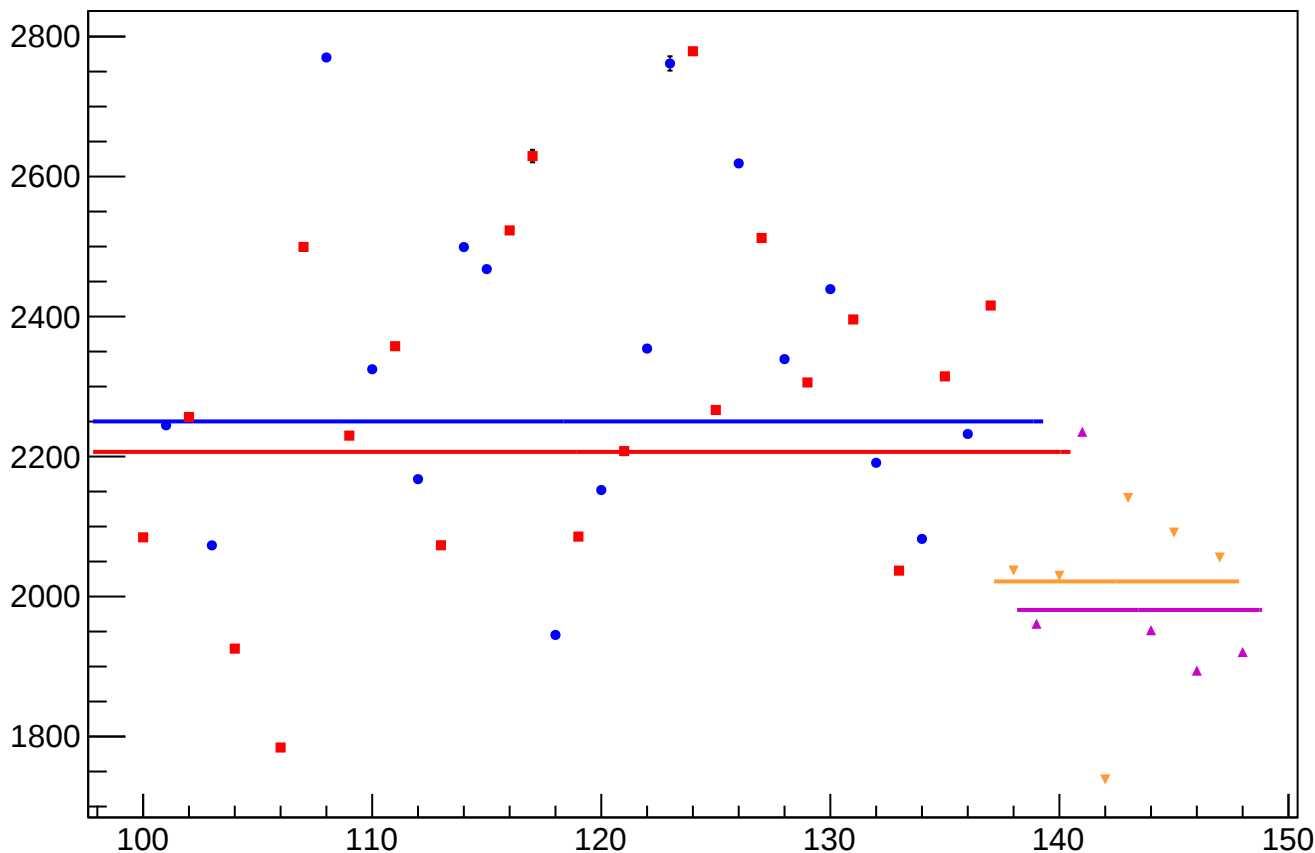
Left In: -9.467 $\pm$ 1.001 χ^2/NDF : 35.0/4

11.647 $\pm$ 0.655 χ^2/NDF : 146.7/22

5.743 $\pm$ 0.457 χ^2/NDF : 629.7/47

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: 2021.571 $\pm$ 0.702 χ^2 /NDF: 29062.3/5

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

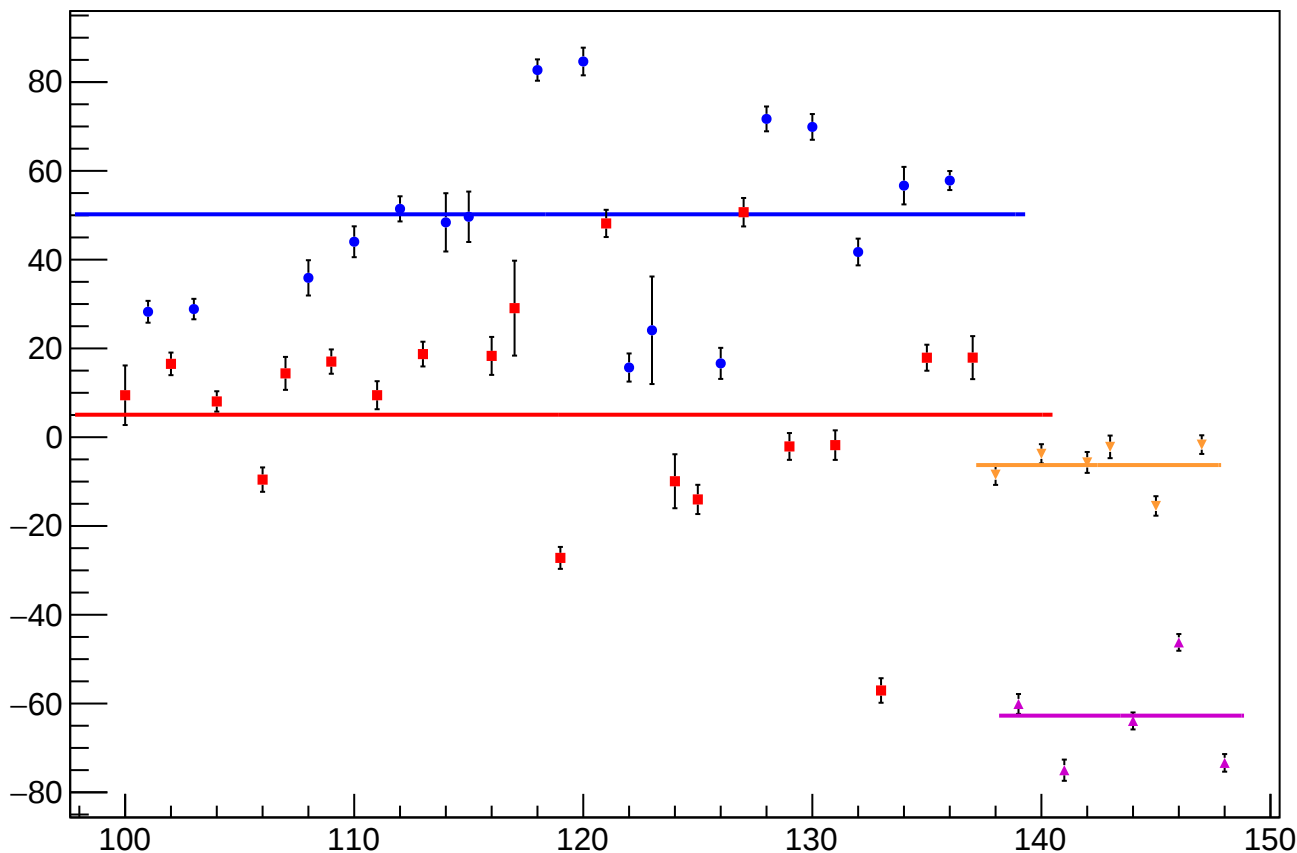
Left In: 1980.833 $\pm$ 0.708 χ^2 /NDF: 26790.6/4

2150.635 $\pm$ 0.463 χ^2 /NDF: 186560.2/22

2132.222 $\pm$ 0.323 χ^2 /NDF: 405296.9/47

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: -6.274±/0.925 χ^2/NDF : 27.3/5

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

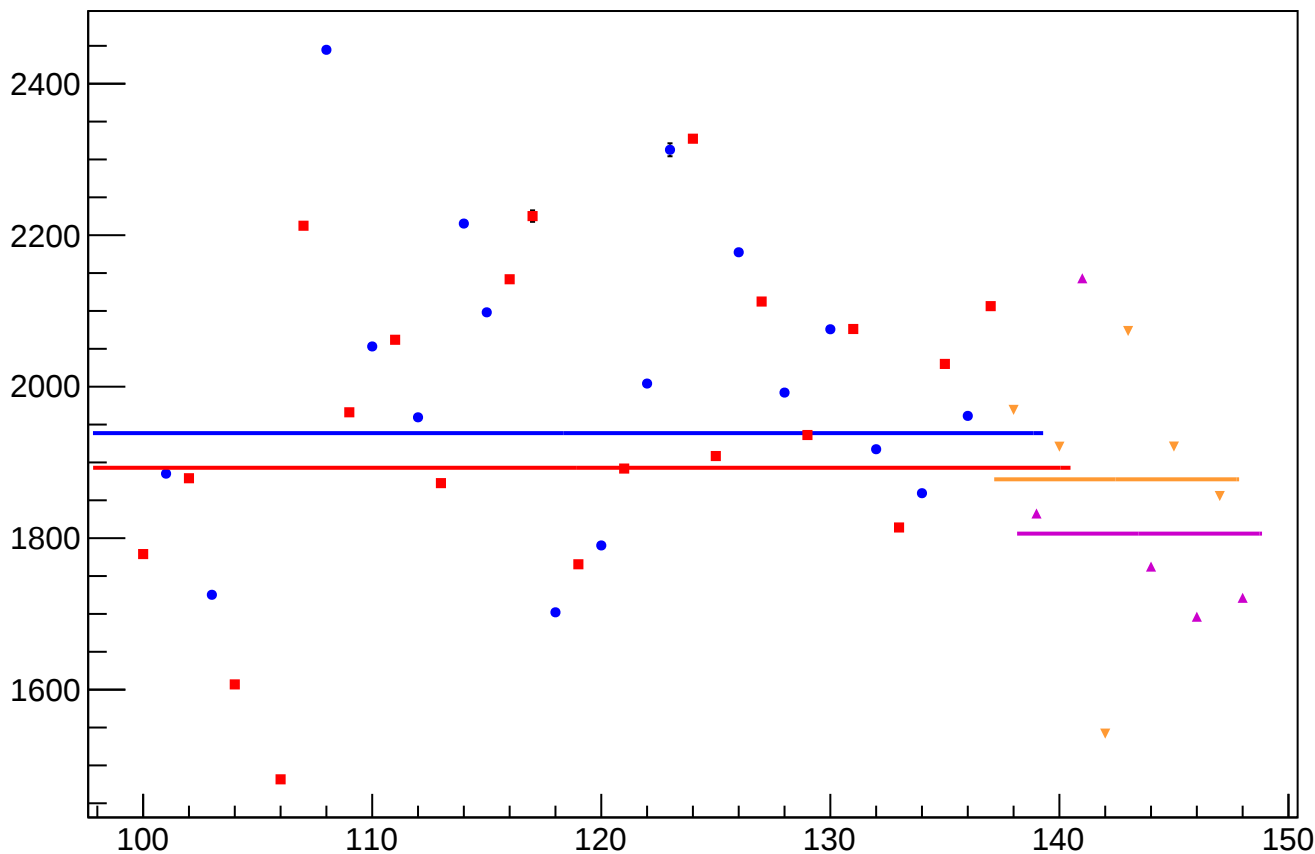
Left In: -62.727±/0.918 χ^2/NDF : 133.9/4

27.773±/0.583 χ^2/NDF : 3106.7/22

2.849±/0.405 χ^2/NDF : 11443.9/47

-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: 1877.708 $\pm$ 0.654 χ^2/NDF : 57509.8/5

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

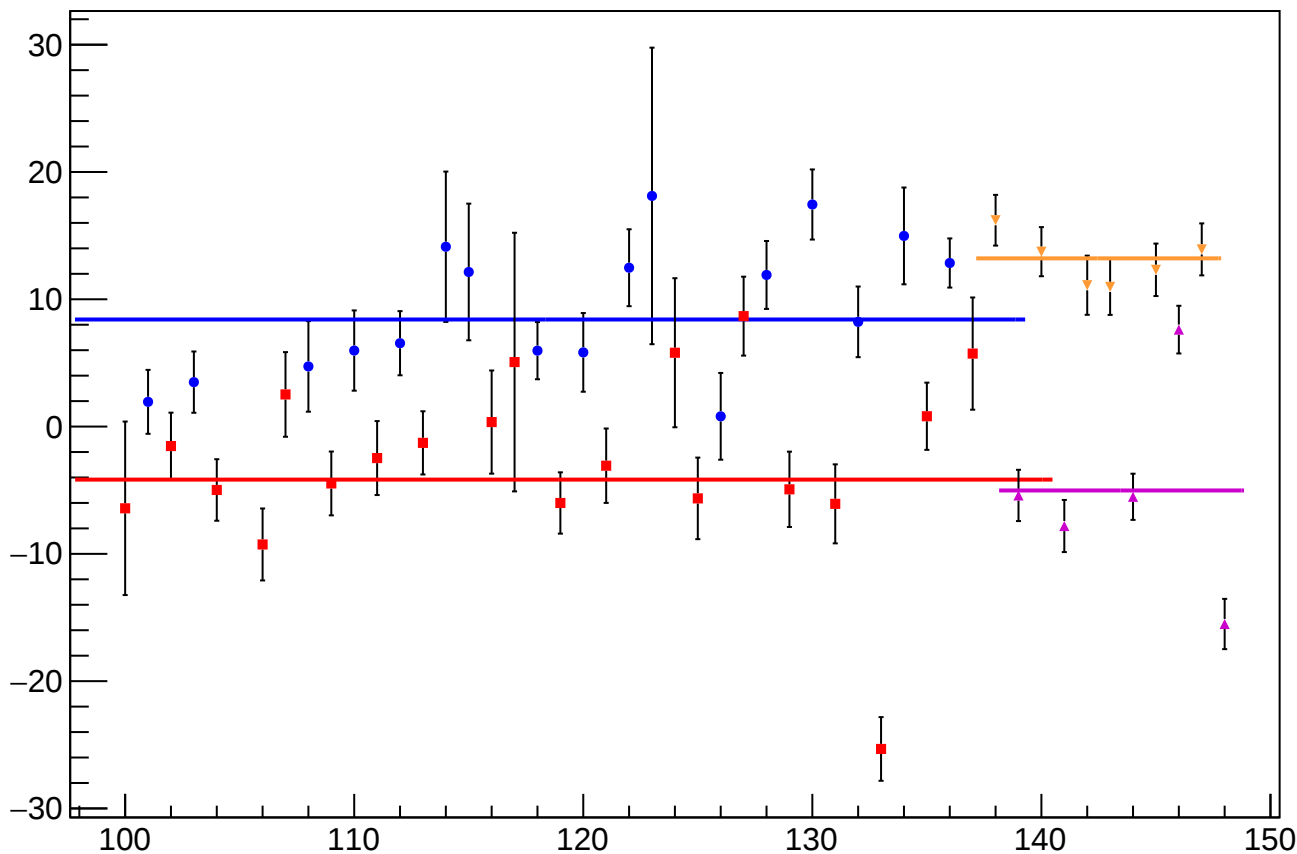
Left In: 1806.012 $\pm$ 0.649 χ^2/NDF : 51617.8/4

1914.462 $\pm$ 0.412 χ^2/NDF : 162894.8/22

1886.437 $\pm$ 0.286 χ^2/NDF : 383201.2/47

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

diff_bpm0i01aY_mean vs Slug, Sign Corrected



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

Left Out: 13.215 ± 0.849 χ^2/NDF : 4.5/5

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

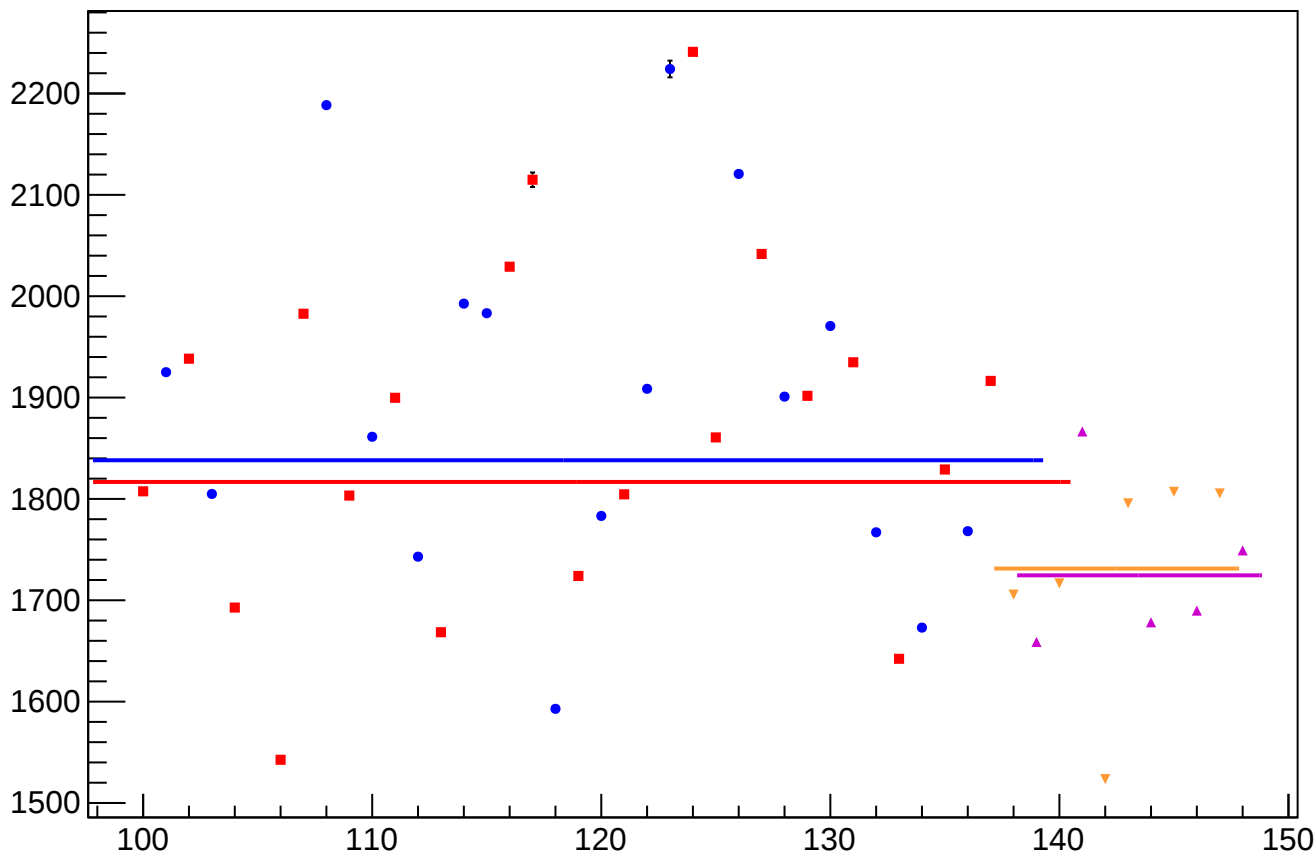
Left In: -5.020 ± 0.867 χ^2/NDF : 75.7/4

10.392 ± 0.545 χ^2/NDF : 67.9/22

2.817 ± 0.382 χ^2/NDF : 637.5/47

-4.492 ± 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: 1731.302 $\pm$ 0.600 χ^2/NDF : 23477.2/5

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

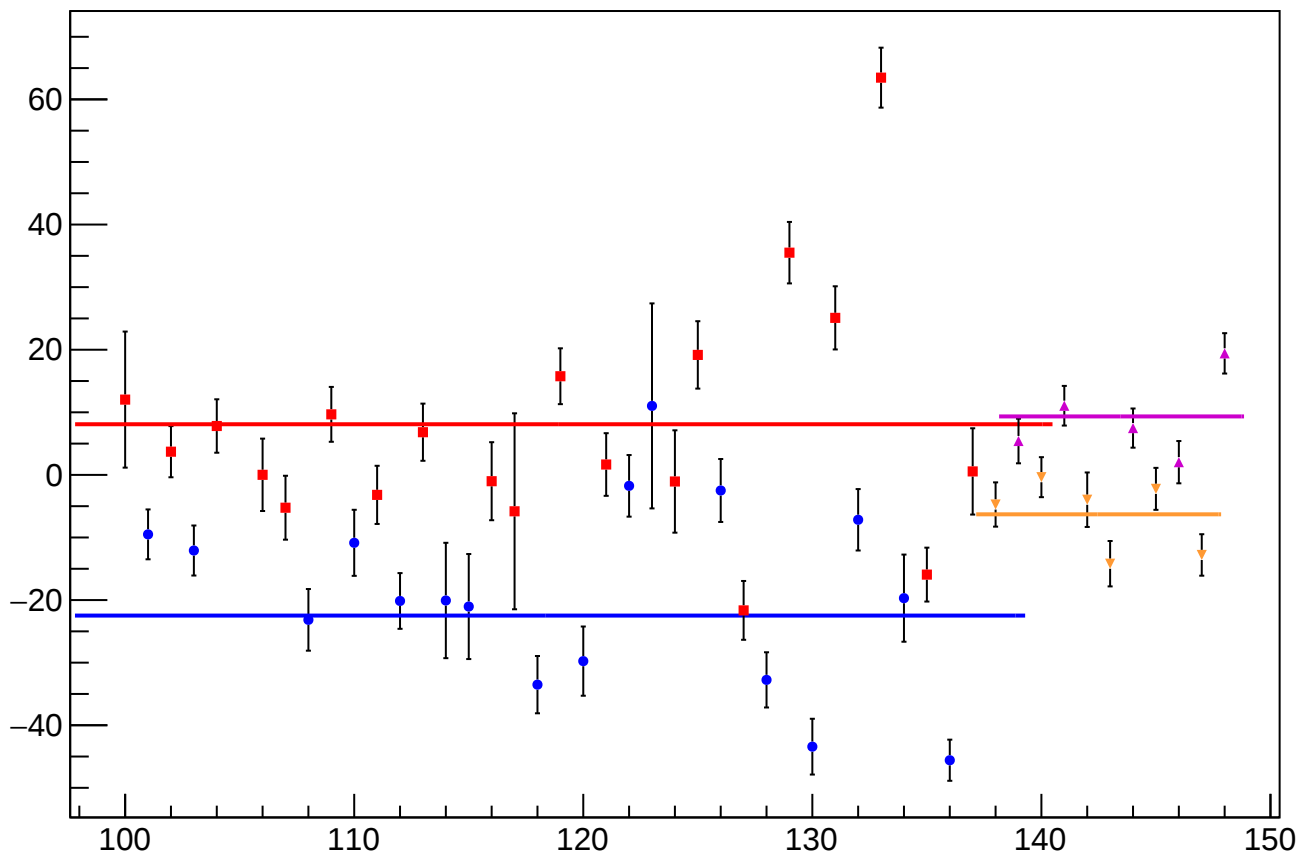
Left In: 1724.604 $\pm$ 0.613 χ^2/NDF : 14053.7/4

1794.078 $\pm$ 0.385 χ^2/NDF : 124970.2/22

1787.728 $\pm$ 0.270 χ^2/NDF : 242678.9/47

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: -6.299 ± 1.433 χ^2/NDF : 14.0/5

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

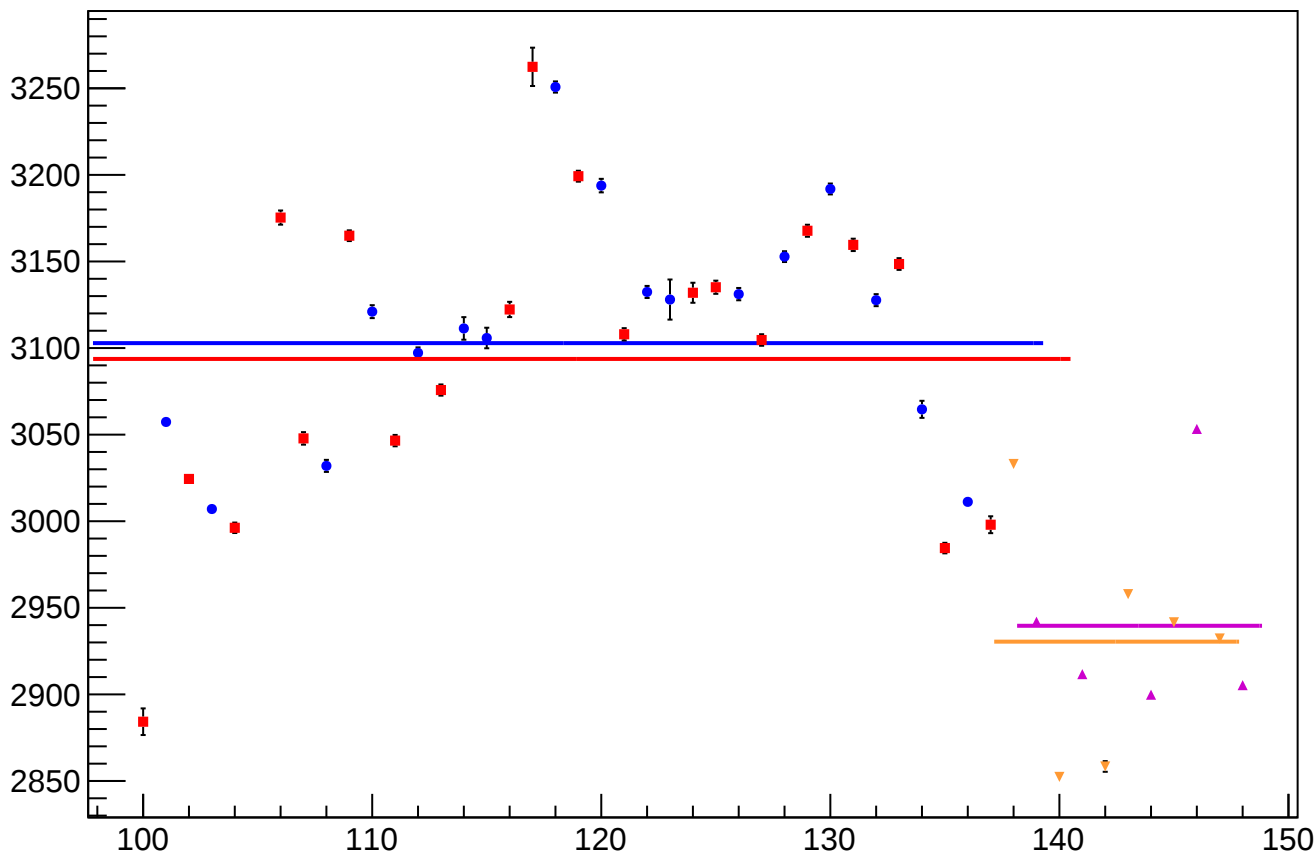
Left In: 9.343 ± 1.468 χ^2/NDF : 16.3/4

-15.846 ± 0.918 χ^2/NDF : 243.9/22

-3.493 ± 0.645 χ^2/NDF : 896.4/47

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: 2930.456 $\pm$ 1.014 χ^2/NDF : 3562.6/5

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

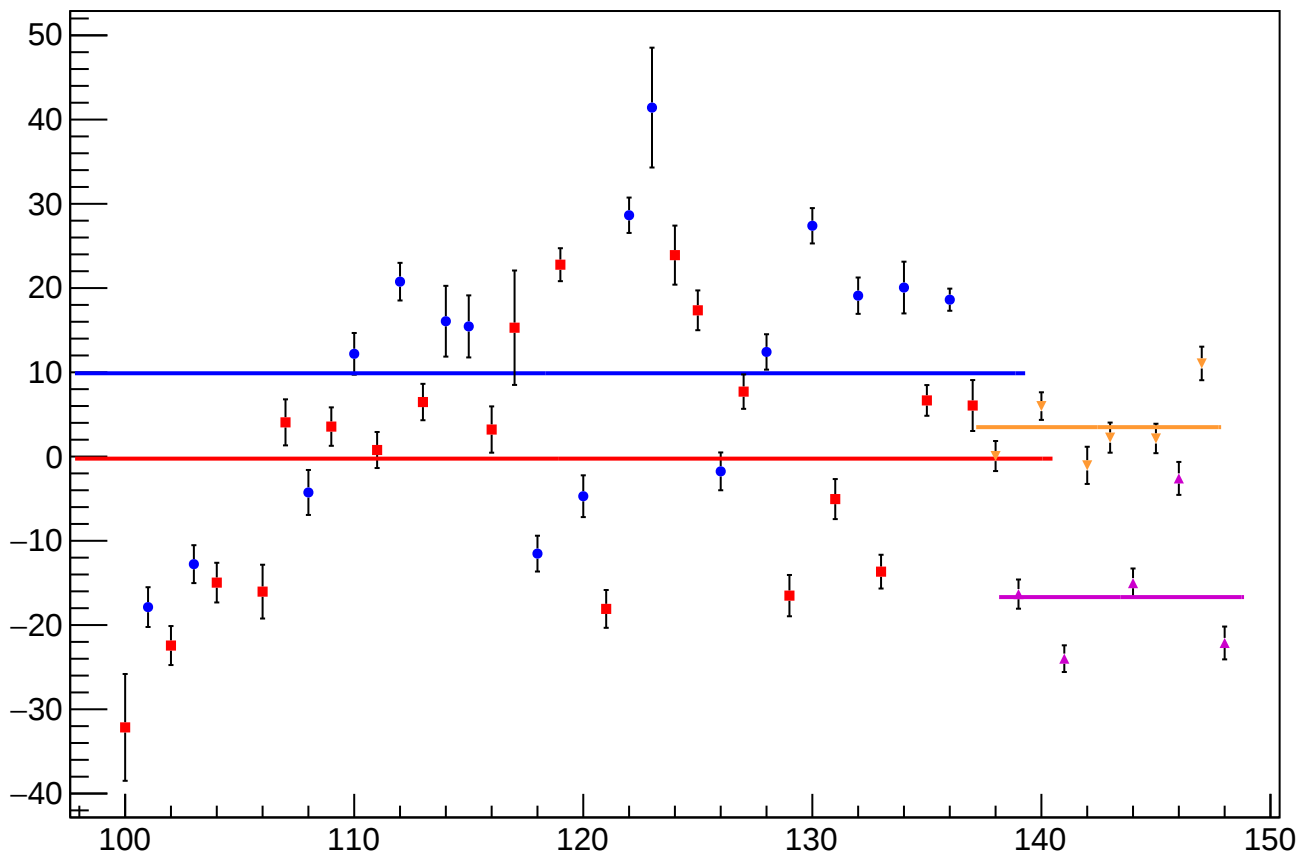
Left In: 2939.623 $\pm$ 1.038 χ^2/NDF : 2969.2/4

3032.183 $\pm$ 0.649 χ^2/NDF : 27975.9/22

3033.557 $\pm$ 0.456 χ^2/NDF : 52576.9/47

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: 3.491 $\pm$ 0.748 χ^2/NDF : 25.7/5

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

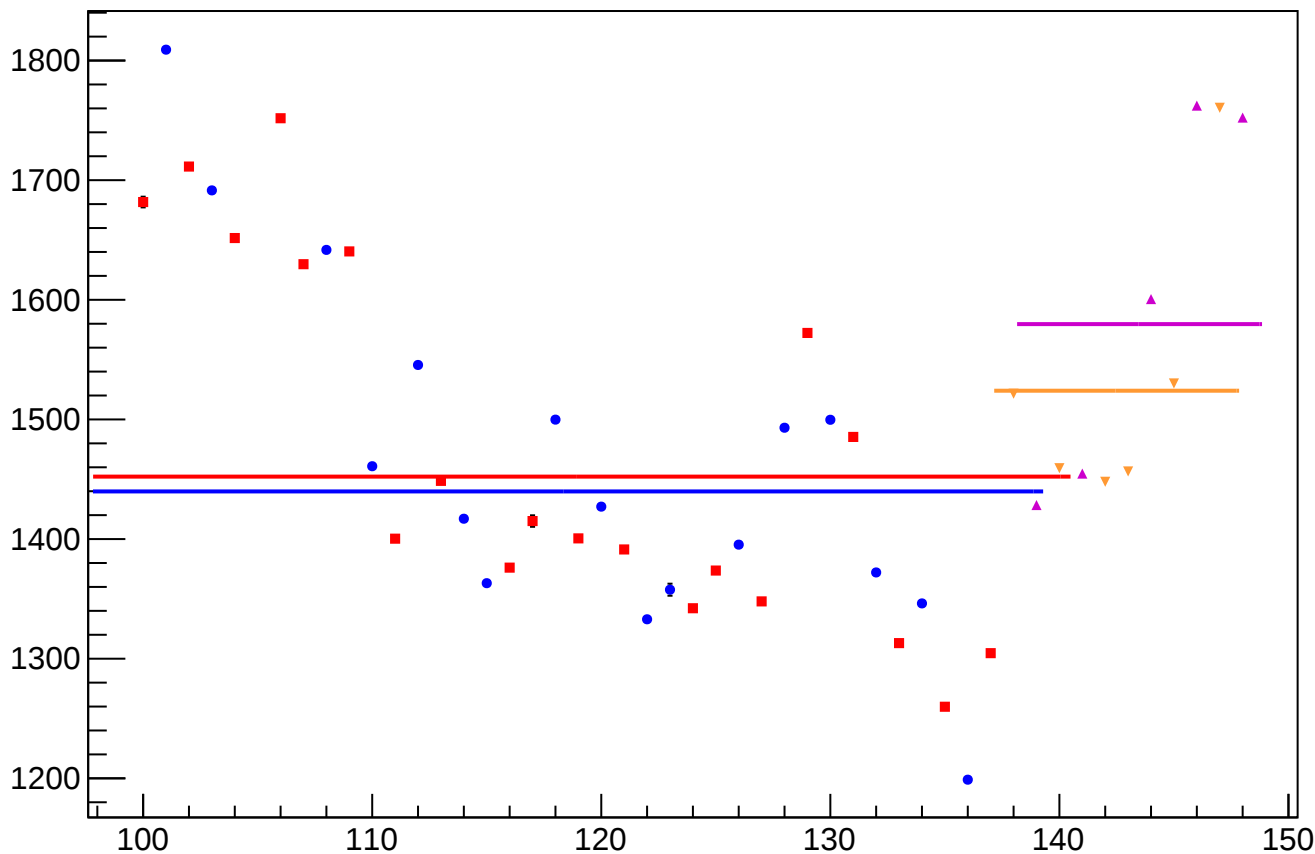
Left In: -16.681 $\pm$ 0.794 χ^2/NDF : 81.9/4

7.594 $\pm$ 0.448 χ^2/NDF : 776.2/22

1.059 $\pm$ 0.317 χ^2/NDF : 2210.2/47

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

diff_bpm0l01Y_rms vs Slug, Sign Corrected



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

Left Out: 1524.013 +/- 0.529 χ^2/NDF : 36607.8/5

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

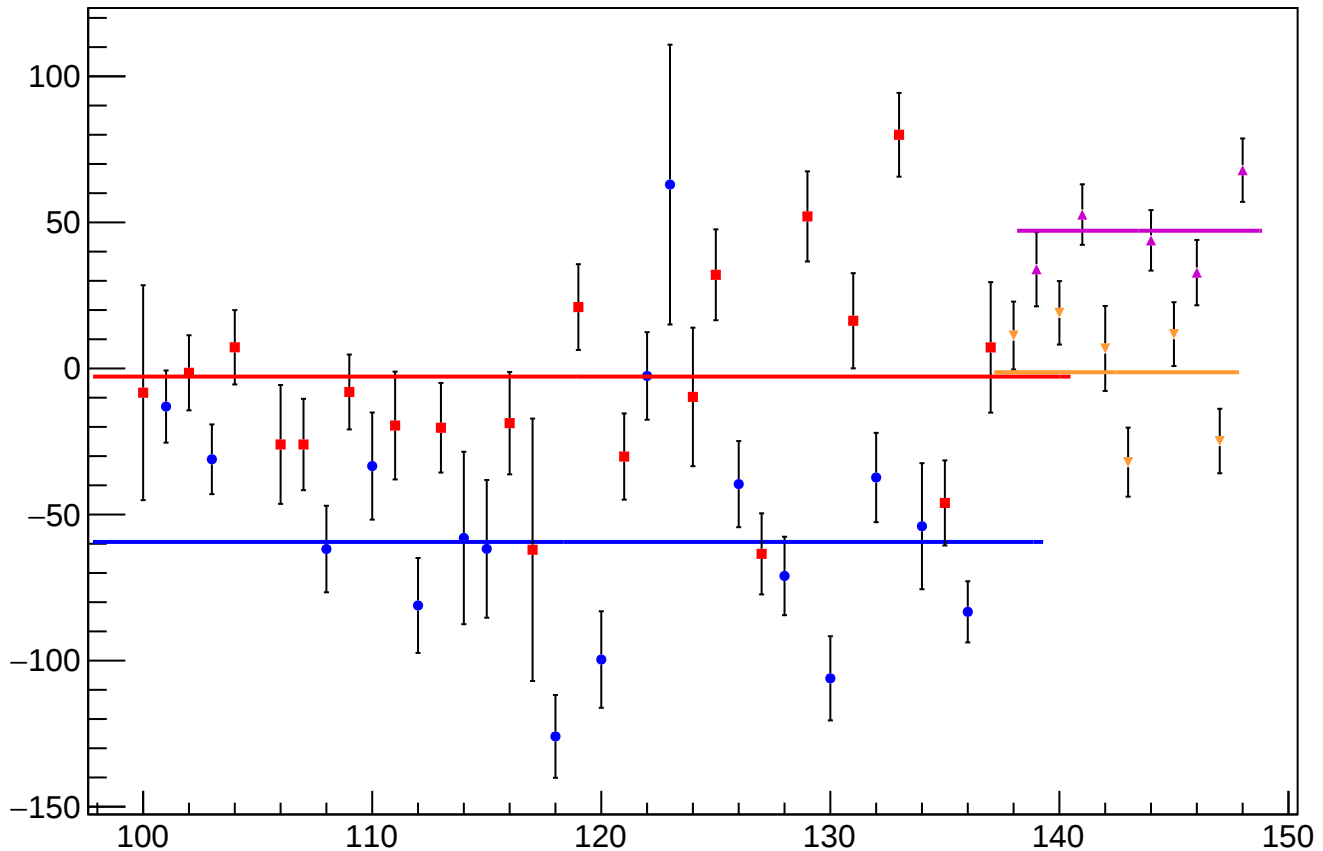
Left In: 1579.687 +/- 0.561 χ^2/NDF : 61103.2/4

1470.003 +/- 0.317 χ^2/NDF : 225664.0/22

1481.502 +/- 0.224 χ^2/NDF : 463038.9/47

1493.064 +/- 0.318 χ^2/NDF : 234734.0/24

diff_bpm0l02X_mean vs Slug, Sign Corrected



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

Left Out: -1.294 ± 4.748 χ^2/NDF : 17.7/5

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

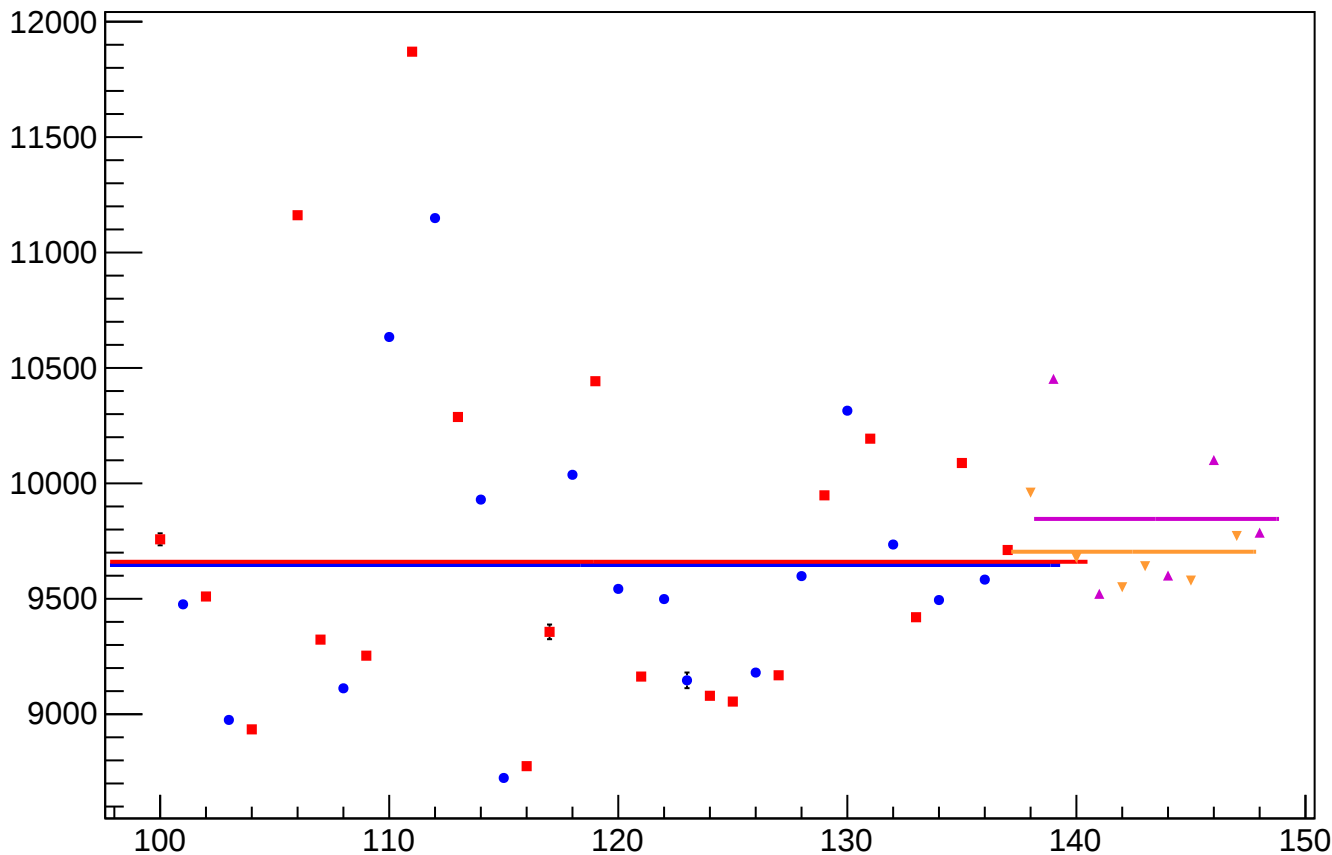
Left In: 47.147 ± 4.920 χ^2/NDF : 6.8/4

-37.216 ± 2.933 χ^2/NDF : 203.2/22

-11.077 ± 2.067 χ^2/NDF : 530.4/47

14.745 ± 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: 9703.918+/-3.357 χ^2/NDF : 1601.7/5

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

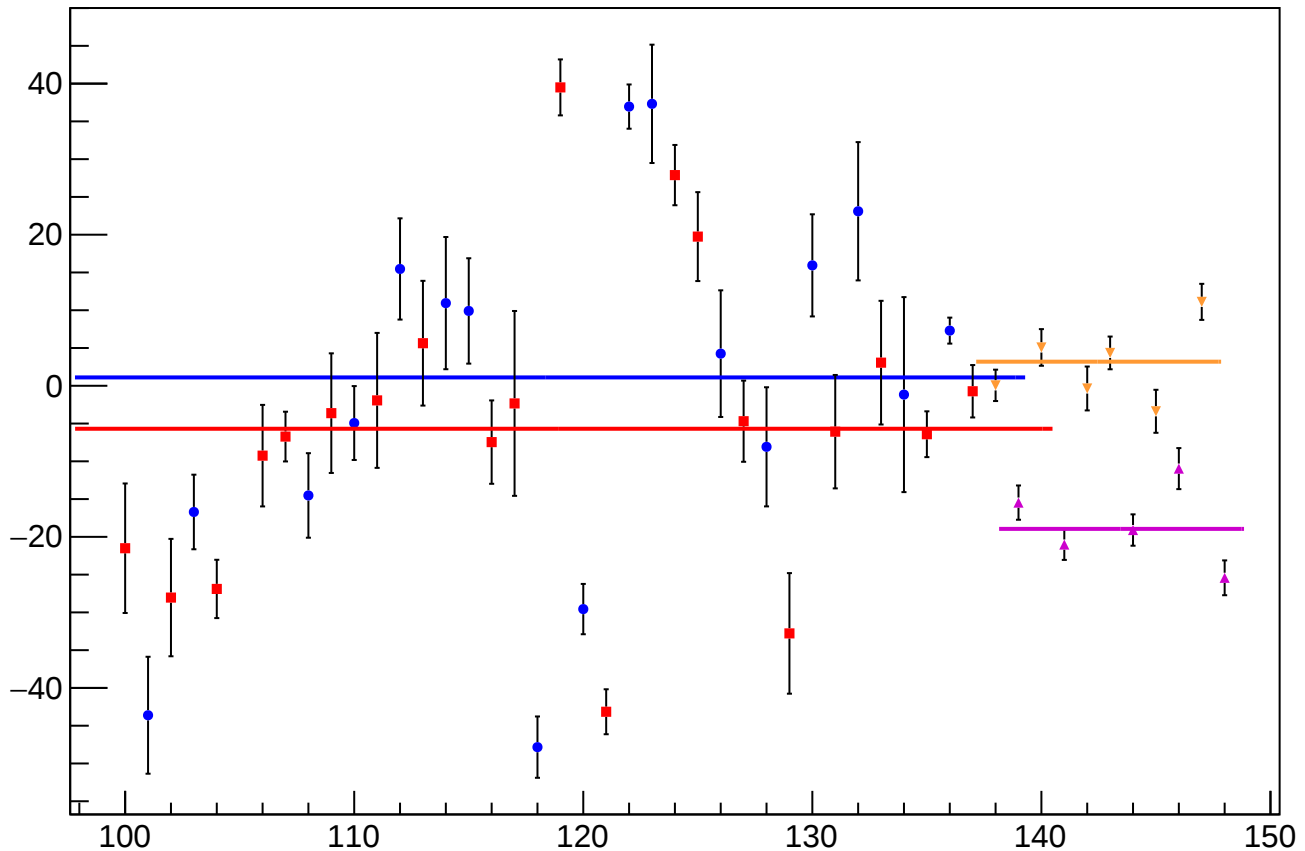
Left In: 9846.019+/-3.479 χ^2/NDF : 8755.3/4

9668.393+/-2.074 χ^2/NDF : 45843.0/22

9697.137+/-1.462 χ^2/NDF : 134504.3/47

9725.532+/-2.061 χ^2/NDF : 88279.4/24

diff_bpm0l02Y_mean vs Slug, Sign Corrected



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

Left Out: 3.190 ± 0.984 χ^2/NDF : 21.0/5

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

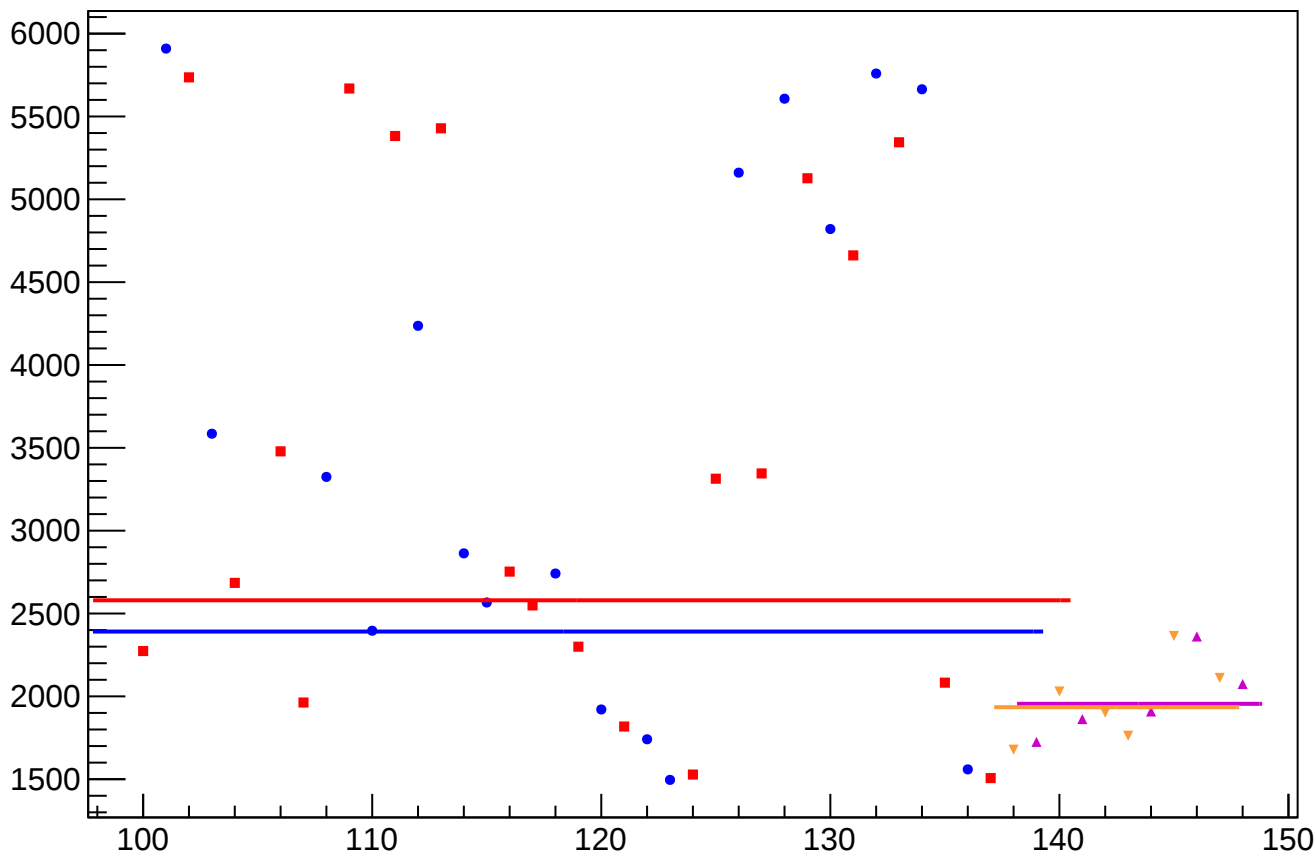
Left In: -18.945 ± 1.004 χ^2/NDF : 19.9/4

2.232 ± 0.723 χ^2/NDF : 512.7/22

-5.159 ± 0.516 χ^2/NDF : 1281.9/47

-12.842 ± 0.737 χ^2/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: 1934.562 ± 0.696 $\chi^2/\text{NDF}: 103070.8/5$

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

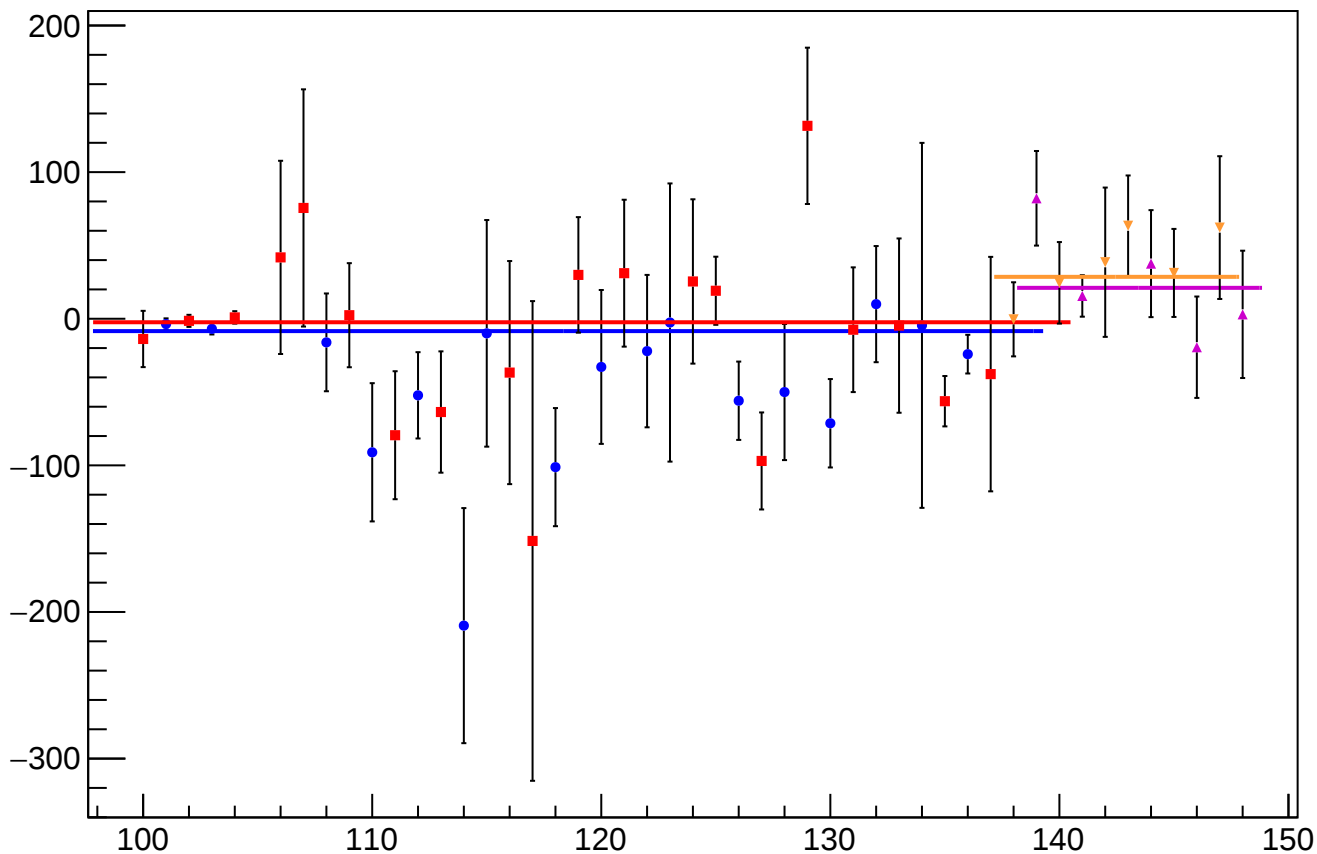
Left In: 1954.939 ± 0.710 $\chi^2/\text{NDF}: 75796.0/4$

2144.561 ± 0.511 $\chi^2/\text{NDF}: 2901620.5/22$

2192.634 ± 0.365 $\chi^2/\text{NDF}: 5717483.7/47$

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

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.430 $\pm$ 2.587 χ^2/NDF : 28.9/16

Left Out: 28.581 $\pm$ 13.329 χ^2/NDF : 2.9/5

Right Out: -2.392 $\pm$ 2.786 χ^2/NDF : 35.5/19

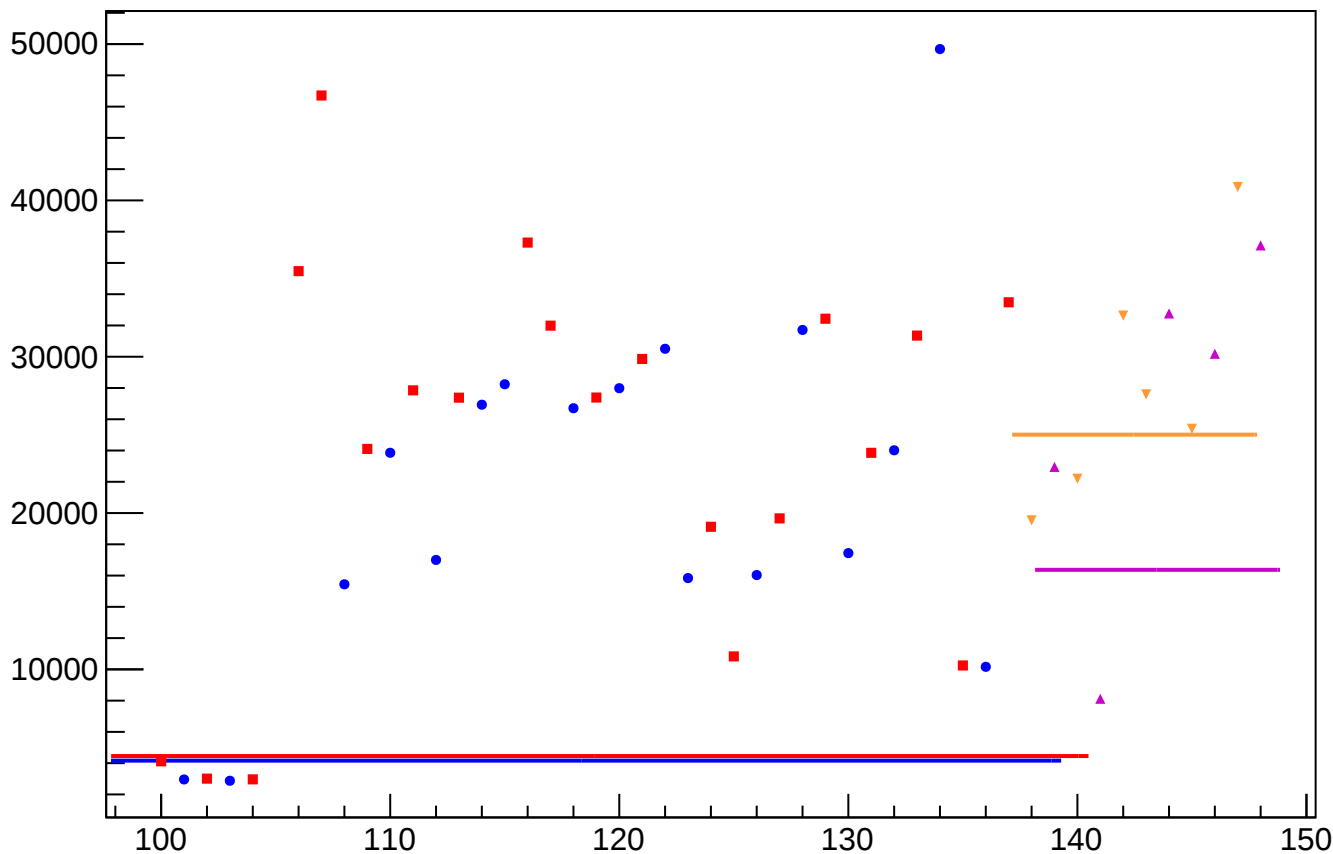
Left In: 21.080 $\pm$ 11.128 χ^2/NDF : 5.5/4

-7.086 $\pm$ 2.540 χ^2/NDF : 39.2/22

-4.235 $\pm$ 1.851 χ^2/NDF : 87.1/47

-1.007 $\pm$ 2.703 χ^2/NDF : 45.2/24

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4162.318 $\pm$ 1.830 χ^2/NDF : 5990070.5/16

Left Out: 25015.405 $\pm$ 9.425 χ^2/NDF : 382914.2/5

Right Out: 4455.114 $\pm$ 1.970 χ^2/NDF : 7483602.5/19

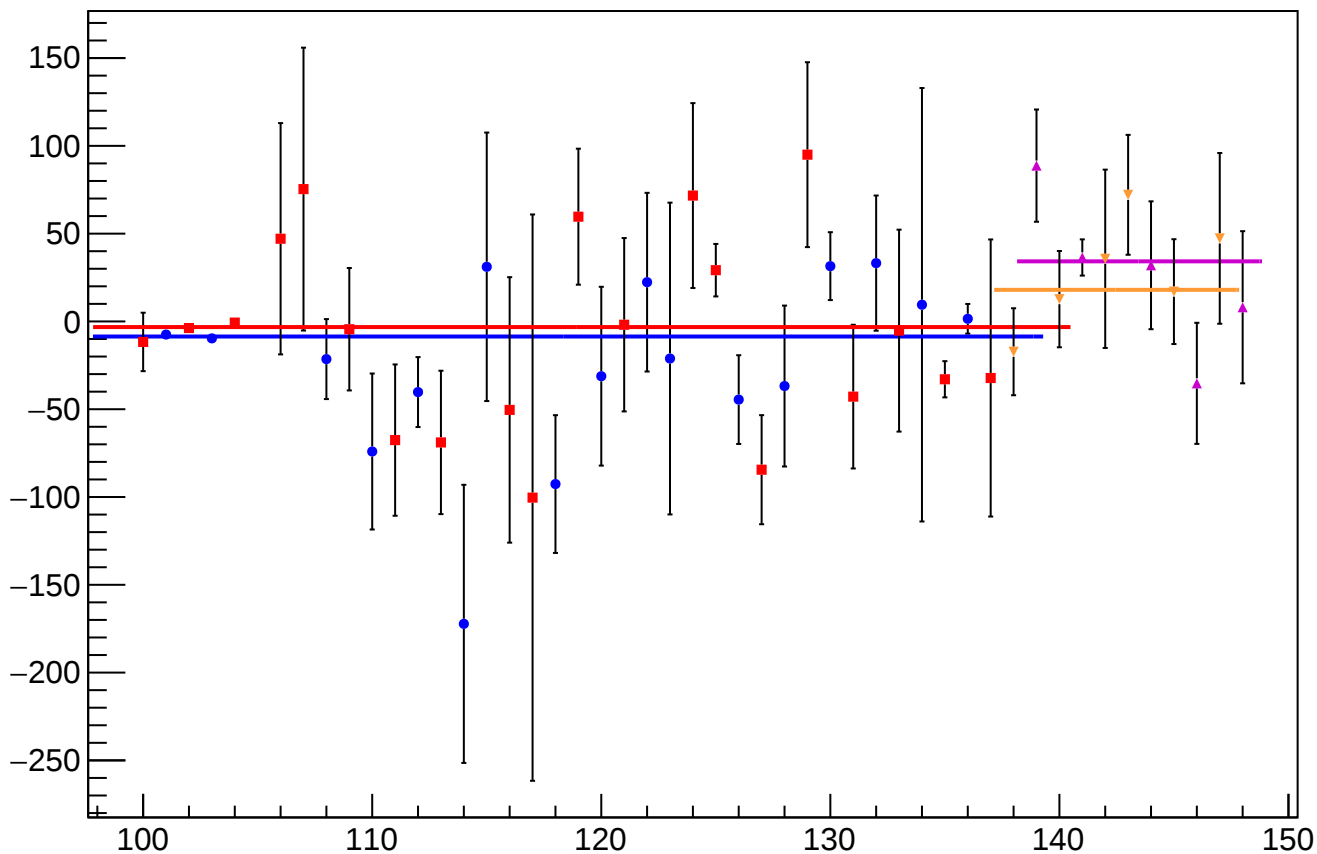
Left In: 16368.039 $\pm$ 7.869 χ^2/NDF : 1943654.0/4

4919.617 $\pm$ 1.796 χ^2/NDF : 11090710.0/22

5031.385 $\pm$ 1.309 χ^2/NDF : 22683030.2/4

5157.956 $\pm$ 1.911 χ^2/NDF : 11584062.3/24

diff_bpm0l03Y_mean vs Slug, Sign Corrected



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

Left Out: 17.999 ± 13.186 χ^2/NDF : 5.1/5

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

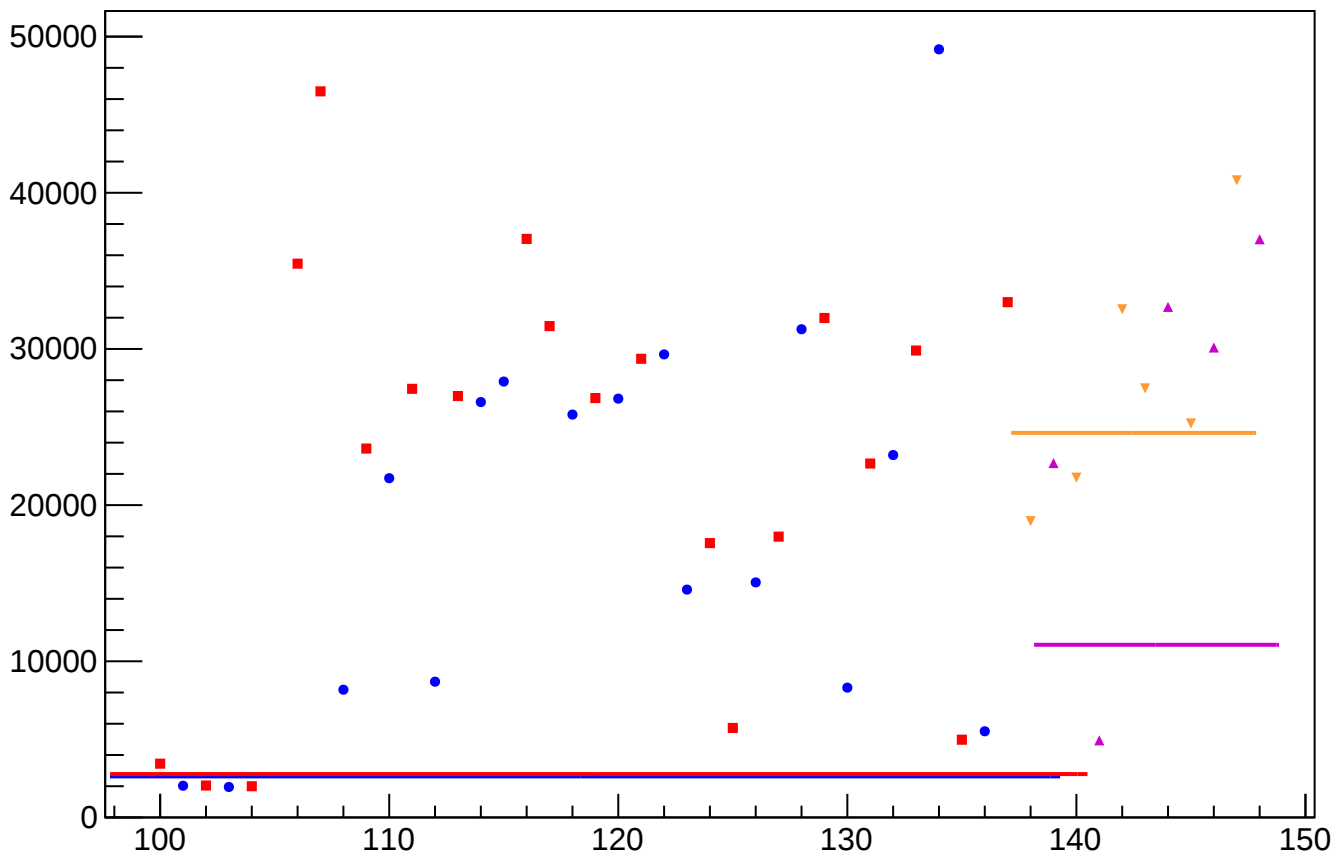
Left In: 34.221 ± 8.940 χ^2/NDF : 7.4/4

-8.112 ± 1.762 χ^2/NDF : 33.5/22

-5.044 ± 1.285 χ^2/NDF : 101.3/47

-1.554 ± 1.879 χ^2/NDF : 61.4/24

diff_bpm0l03Y_rms vs Slug, Sign Corrected



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

Left Out: 24626.326 $\pm$ 9.324 χ^2/NDF :410776.2/5

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

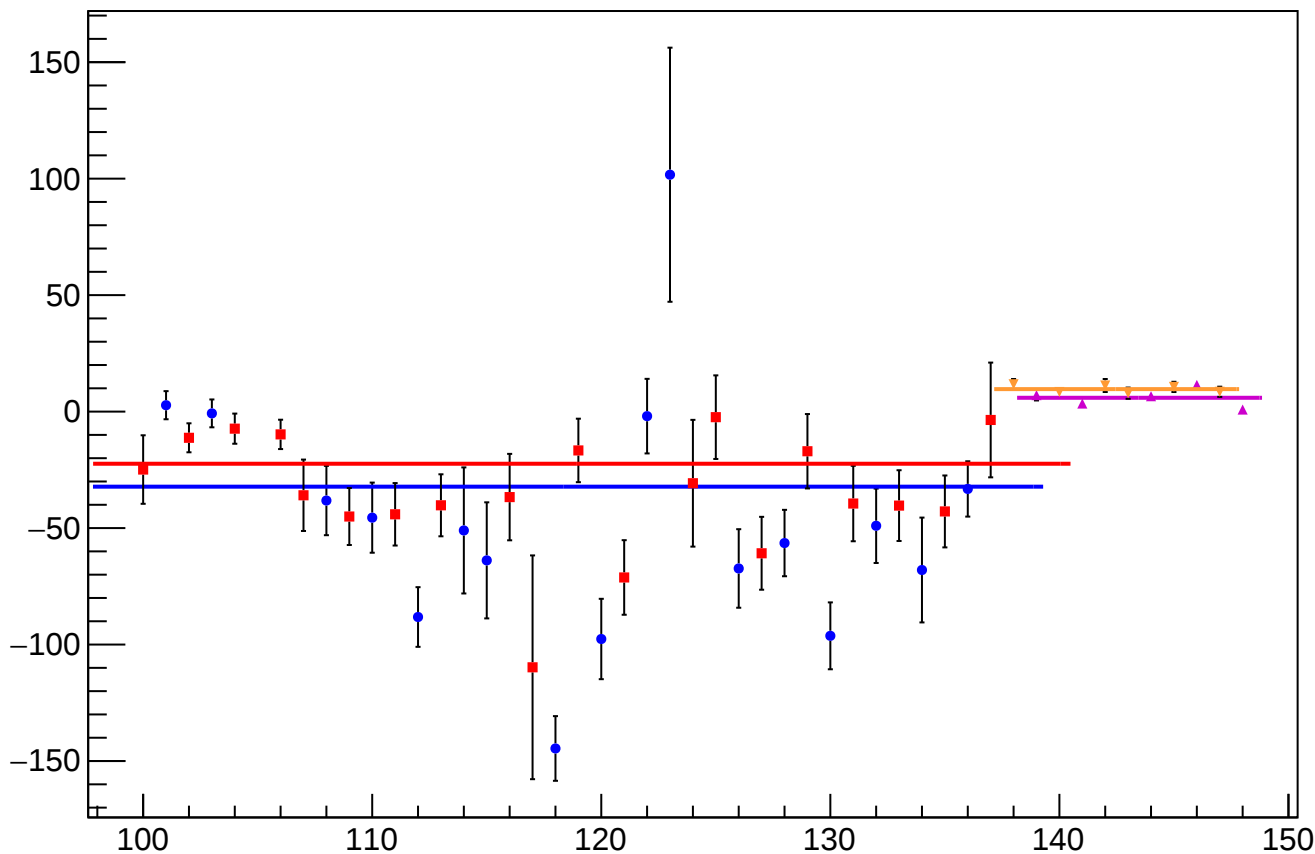
Left In: 11056.243 $\pm$ 6.322 χ^2/NDF :3003912.2/4

3023.237 $\pm$ 1.246 χ^2/NDF : 11465854.7/22

3079.397 $\pm$ 0.909 χ^2/NDF : 24012520.5/4

3143.287 $\pm$ 1.329 χ^2/NDF : 12542321.8/24

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.222 $\pm$ 2.981 χ^2 /NDF: 203.7/16

Left Out: 9.653 $\pm$ 0.940 χ^2 /NDF: 2.5/5

Right Out: -22.381 $\pm$ 2.665 χ^2 /NDF: 47.0/19

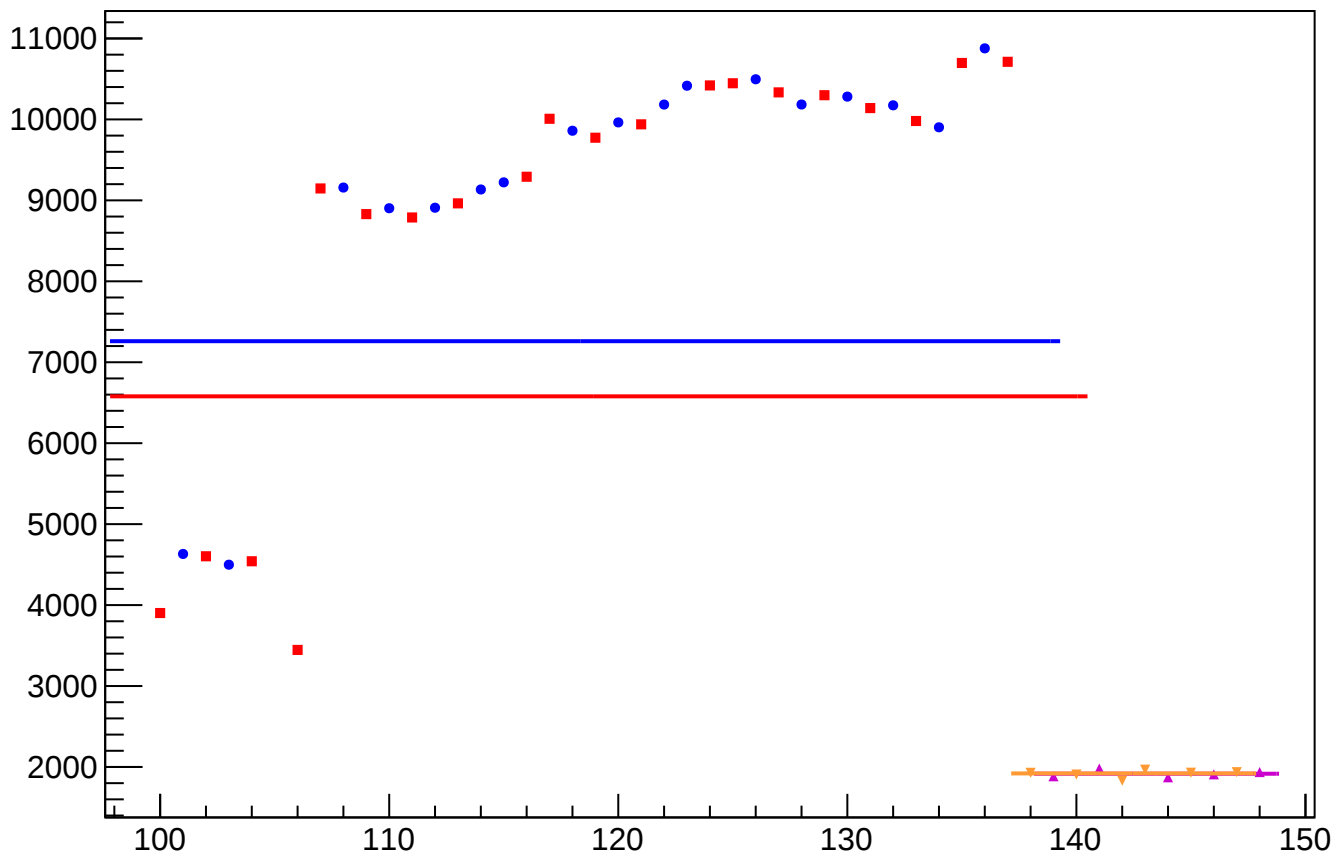
Left In: 5.932 $\pm$ 0.958 χ^2 /NDF: 14.0/4

5.868 $\pm$ 0.896 χ^2 /NDF: 385.6/22

4.290 $\pm$ 0.636 χ^2 /NDF: 552.8/47

2.695 $\pm$ 0.901 χ^2 /NDF: 161.0/24

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7260.081 ± 2.108 $\chi^2/\text{NDF}: 1636373.2/16$

Left Out: 1920.318 ± 0.665 $\chi^2/\text{NDF}: 3019.0/5$

Right Out: 6578.773 ± 1.885 $\chi^2/\text{NDF}: 2206772.9/19$

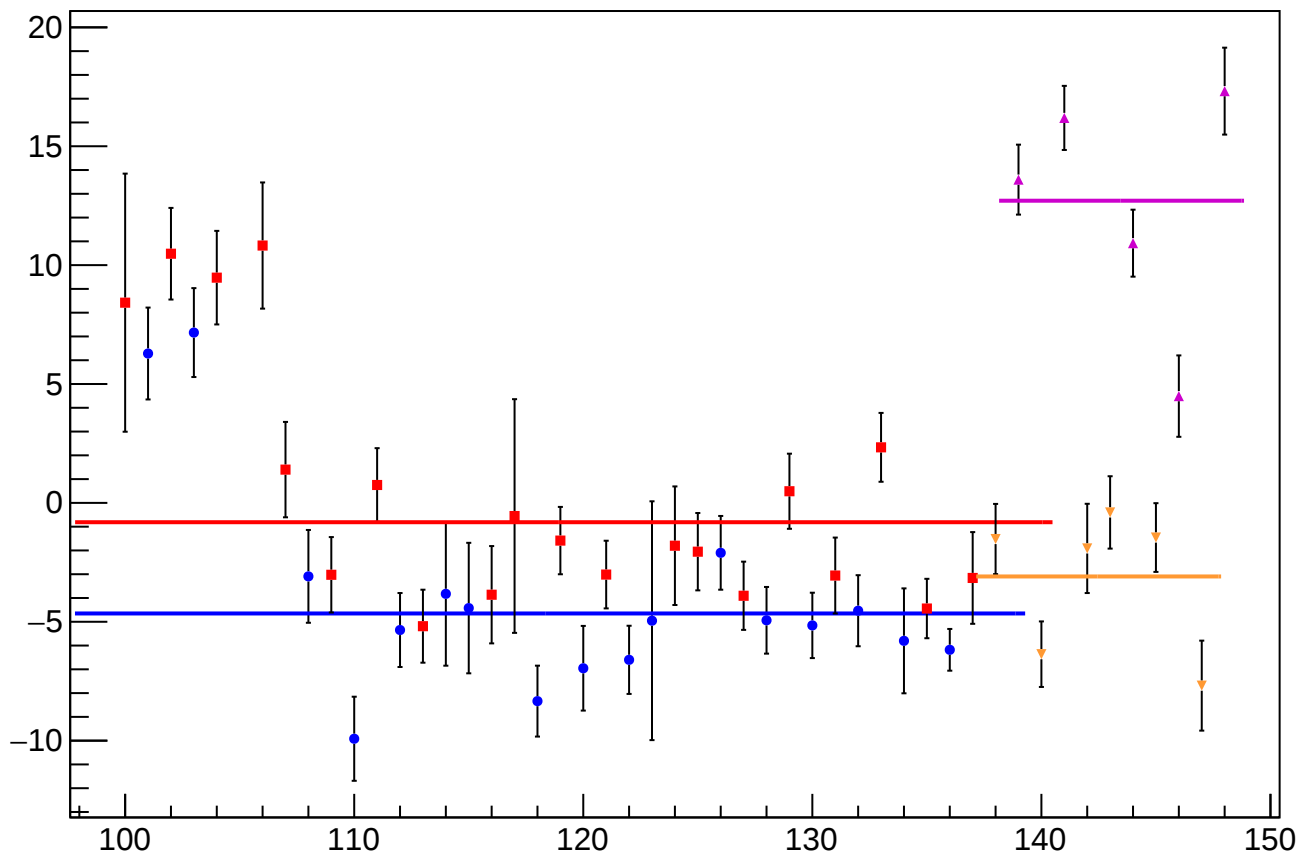
Left In: 1916.416 ± 0.677 $\chi^2/\text{NDF}: 3292.4/4$

2402.896 ± 0.634 $\chi^2/\text{NDF}: 7475141.0/22$

2426.080 ± 0.449 $\chi^2/\text{NDF}: 15108526.7/4$

2449.520 ± 0.637 $\chi^2/\text{NDF}: 7630694.5/24$

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.651 ± 0.393 $\chi^2/\text{NDF}: 97.6/16$

Left Out: -3.094 ± 0.638 $\chi^2/\text{NDF}: 17.5/5$

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

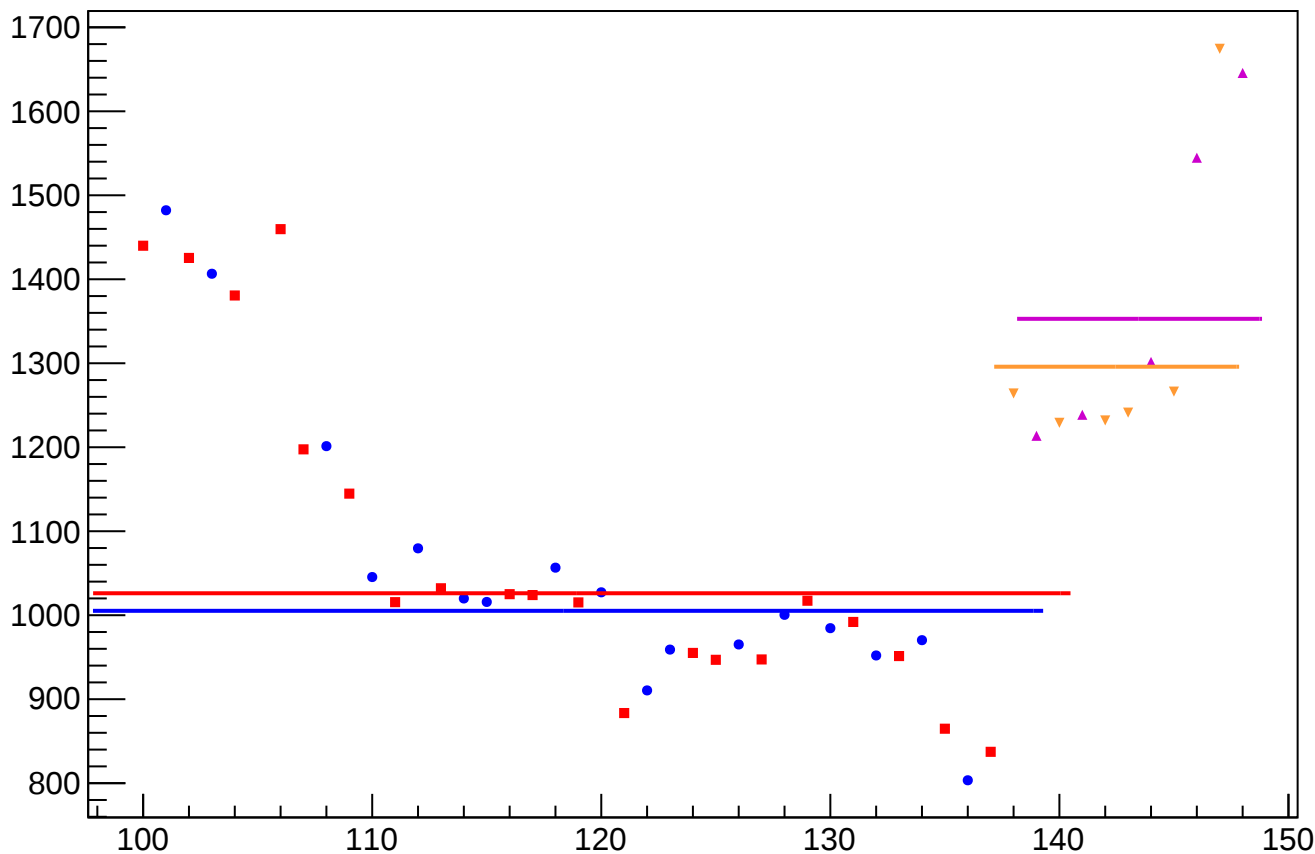
Left In: 12.709 ± 0.681 $\chi^2/\text{NDF}: 38.0/4$

-4.223 ± 0.334 $\chi^2/\text{NDF}: 119.3/22$

-0.888 ± 0.237 $\chi^2/\text{NDF}: 779.4/47$

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

diff_bpm0l04Y_rms vs Slug, Sign Corrected



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

Left Out: 1295.889 $\pm$ 0.451 χ^2/NDF : 91406.0/5

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

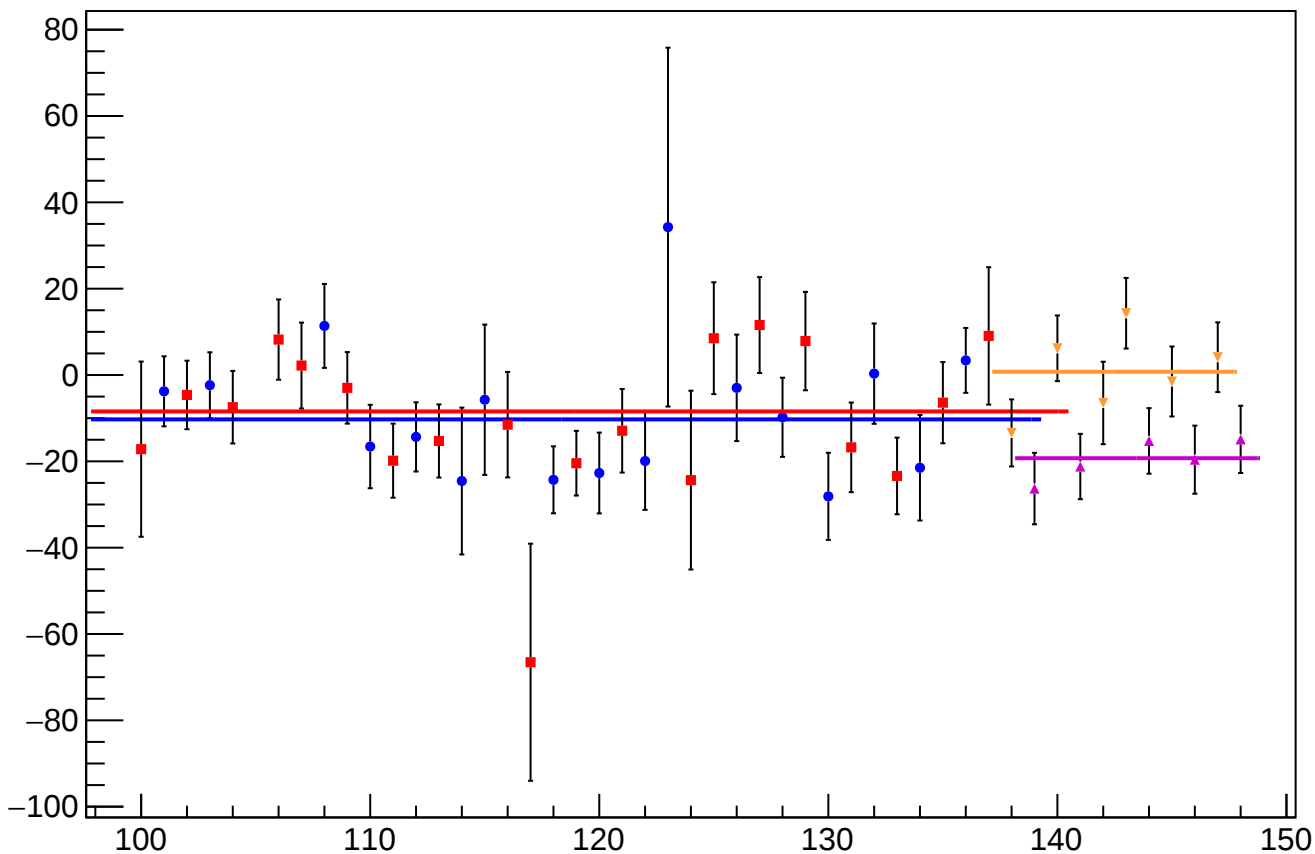
Left In: 1352.908 $\pm$ 0.481 χ^2/NDF : 111349.8/4

1085.108 $\pm$ 0.236 χ^2/NDF : 754594.1/22

1095.493 $\pm$ 0.168 χ^2/NDF : 1550971.6/47

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

diff_bpm0l05X_mean vs Slug, Sign Corrected



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

Left Out: 0.747 $\pm$ 3.328 χ^2/NDF : 7.4/5

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

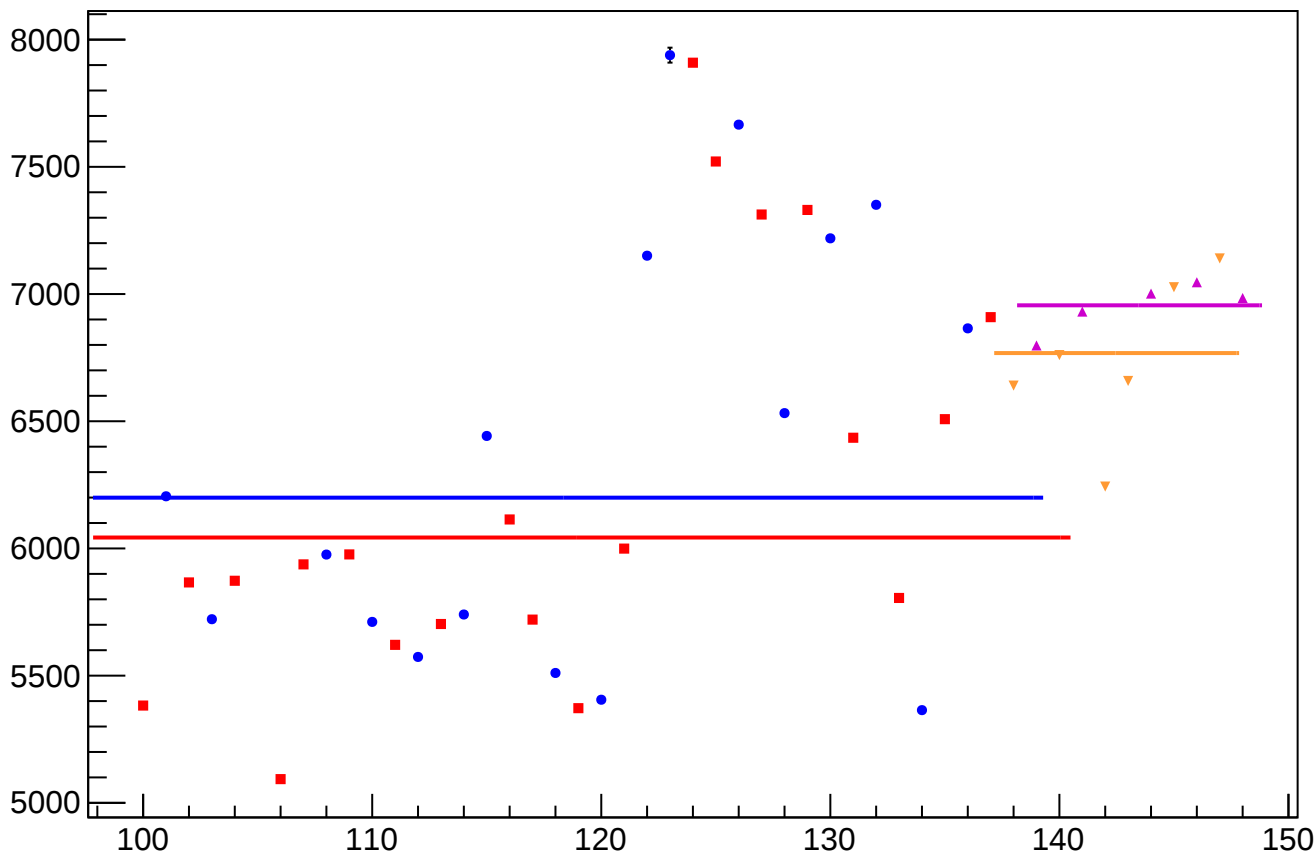
Left In: -19.281 $\pm$ 3.494 χ^2/NDF : 1.4/4

-6.489 $\pm$ 1.951 χ^2/NDF : 38.1/22

-9.137 $\pm$ 1.362 χ^2/NDF : 77.1/47

-11.660 $\pm$ 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: 6768.004 $\pm$ 2.353 χ^2/NDF :13219.4/5

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

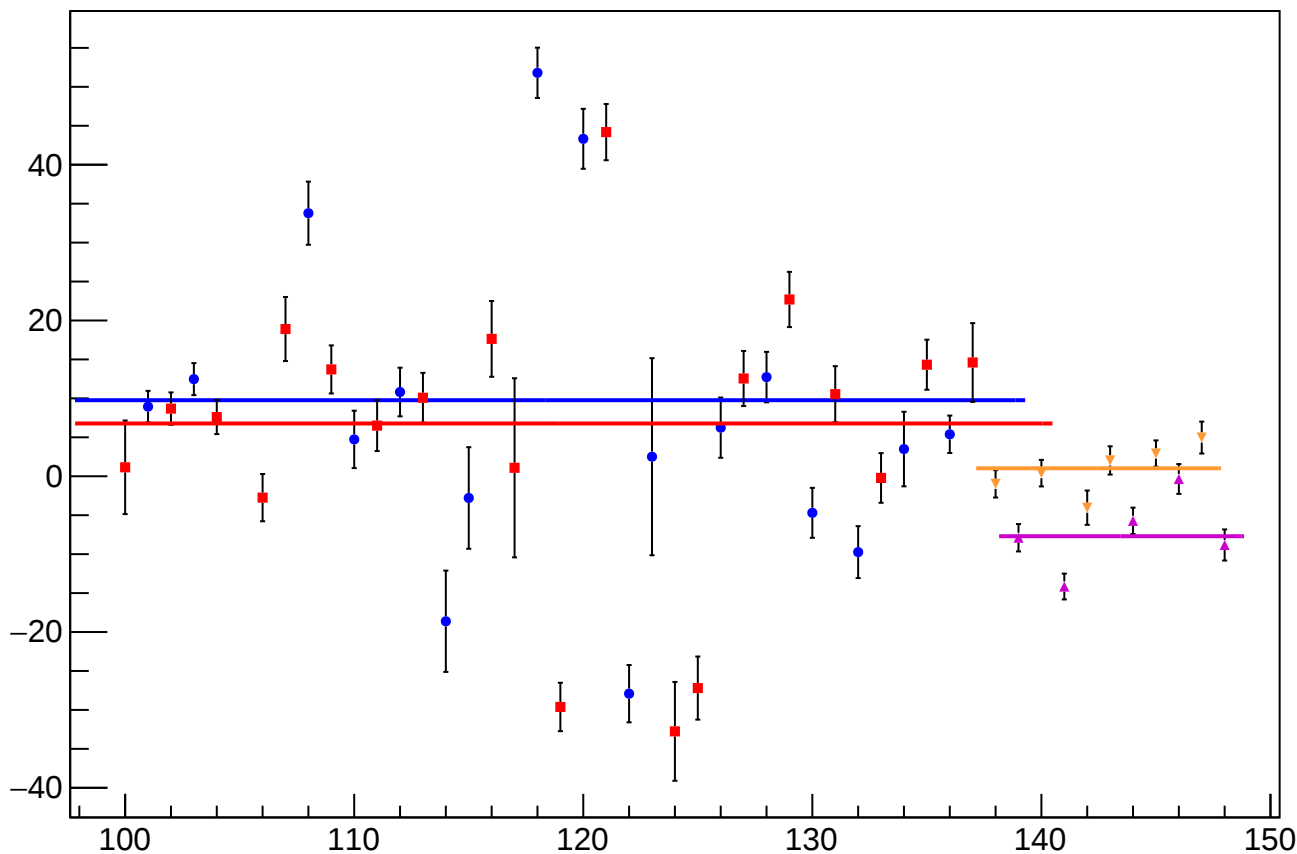
Left In: 6955.682 $\pm$ 2.470 χ^2/NDF :1113.1/4

6394.946 $\pm$ 1.379 χ^2/NDF : 223279.5/22

6353.494 $\pm$ 0.963 χ^2/NDF : 480728.7/47

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: 1.024 ± 0.752 χ^2/NDF : 12.0/5

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

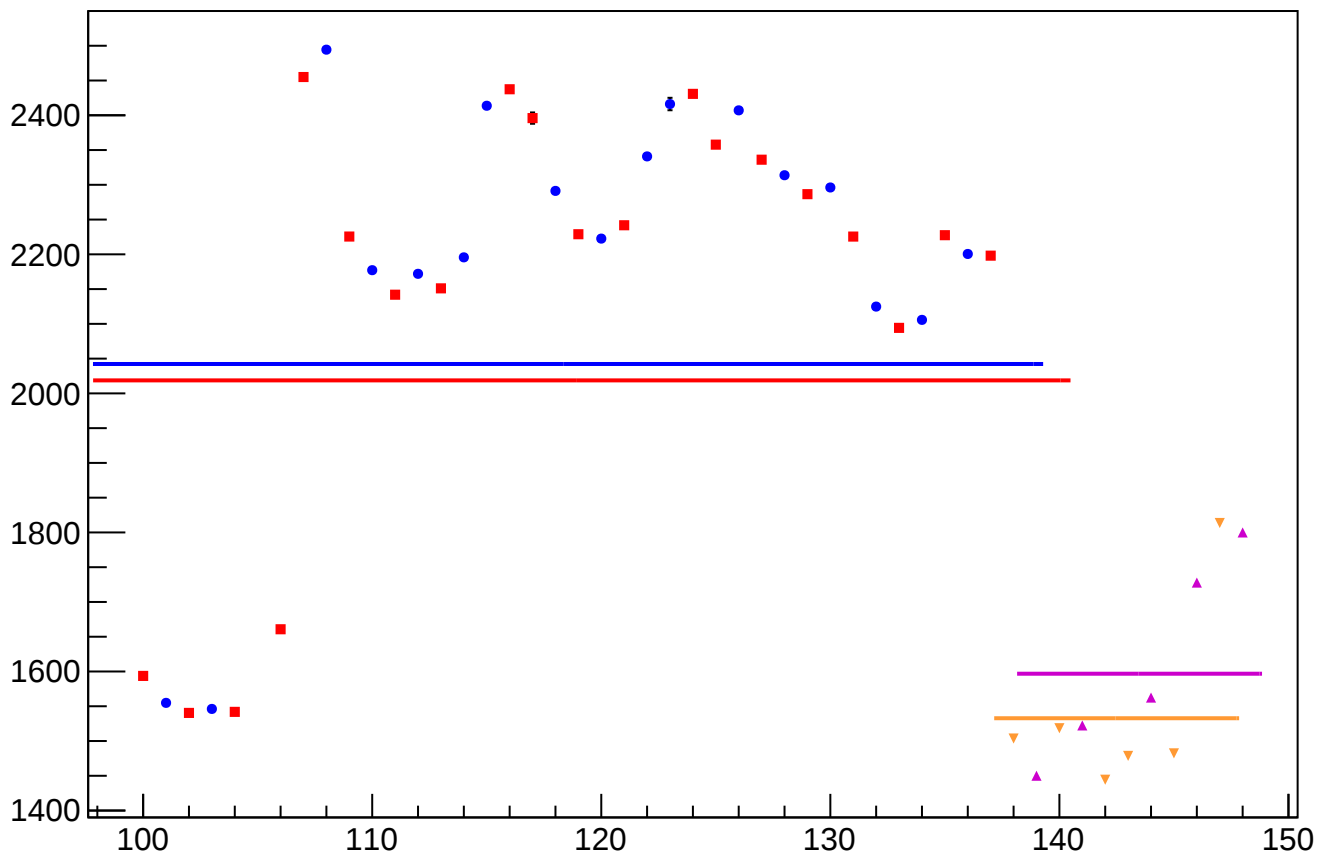
Left In: -7.701 ± 0.801 χ^2/NDF : 31.6/4

5.144 ± 0.547 χ^2/NDF : 549.3/22

2.541 ± 0.389 χ^2/NDF : 1220.0/47

-0.113 ± 0.552 χ^2/NDF : 624.9/24

diff_bpm0l05Y_rms vs Slug, Sign Corrected



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

Left Out: 1532.764 $\pm$ 0.532 χ^2/NDF : 45002.8/5

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

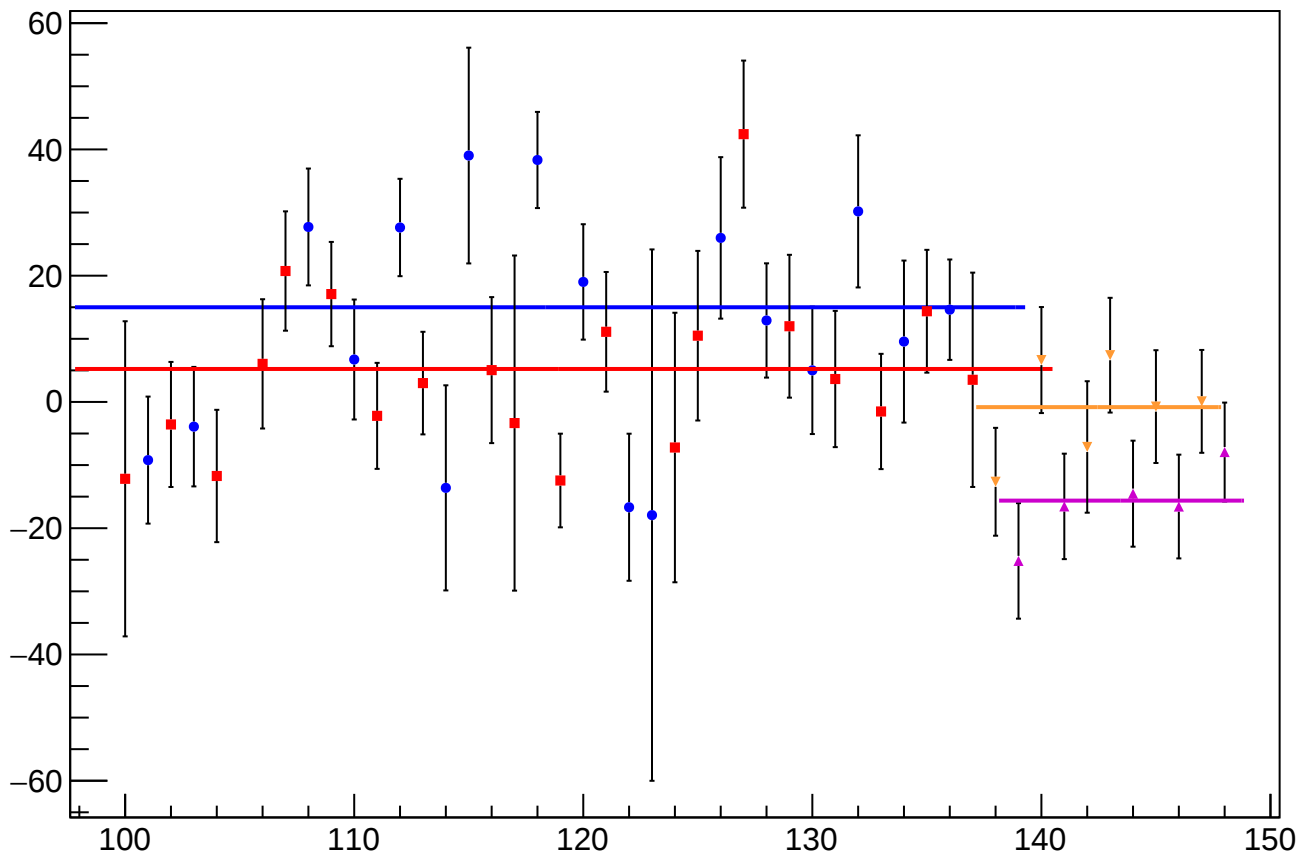
Left In: 1596.794 $\pm$ 0.566 χ^2/NDF : 48787.0/4

1772.908 $\pm$ 0.387 χ^2/NDF : 834103.4/22

1795.203 $\pm$ 0.275 χ^2/NDF : 1558310.2/47

1817.940 $\pm$ 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: -0.822 $\pm$ 3.608 χ^2/NDF : 3.9/5

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

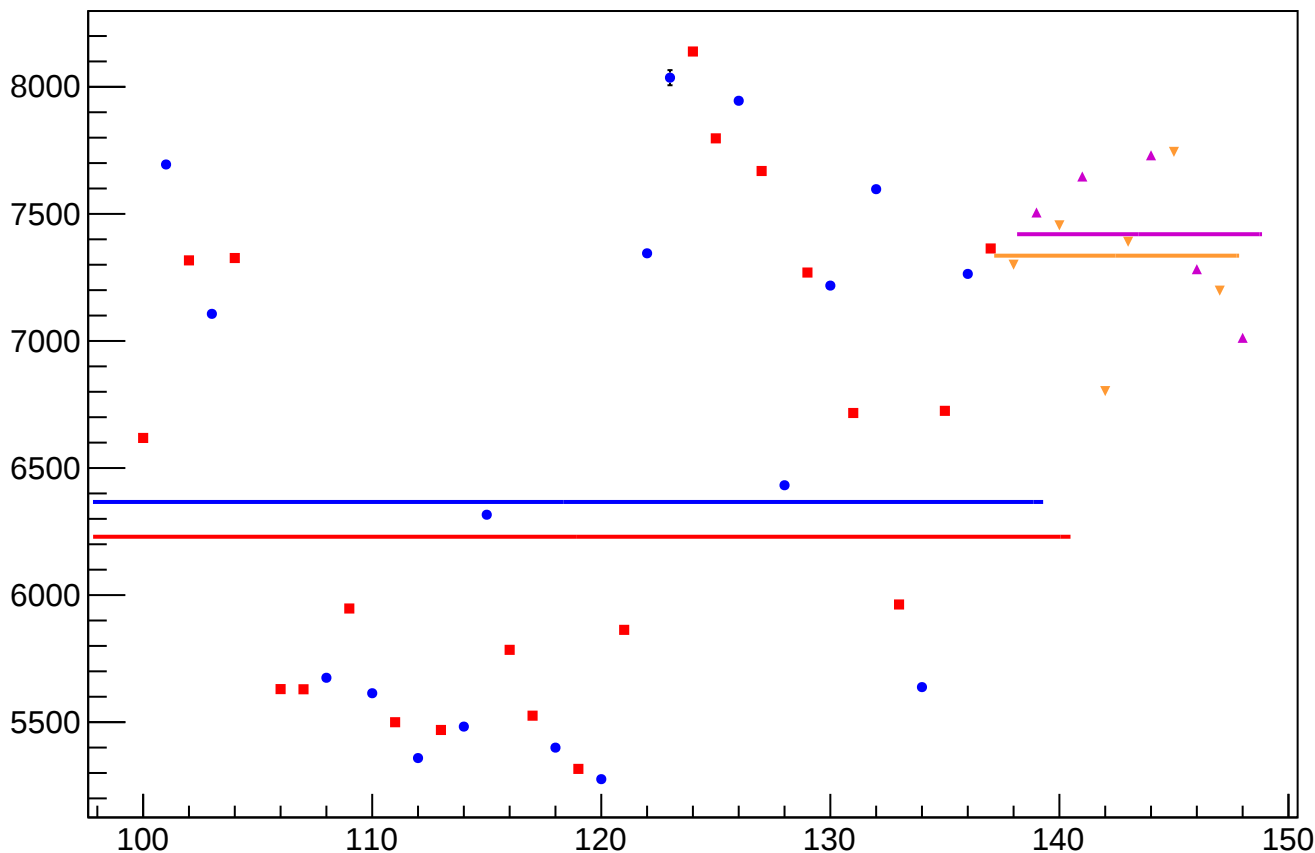
Left In: -15.630 $\pm$ 3.738 χ^2/NDF : 2.1/4

9.906 $\pm$ 2.047 χ^2/NDF : 58.3/22

4.461 $\pm$ 1.426 χ^2/NDF : 124.6/47

-0.678 $\pm$ 1.988 χ^2/NDF : 52.6/24

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6366.491 $\pm$ 1.757 χ^2/NDF : 286494.5/16

Left Out: 7335.668 $\pm$ 2.551 χ^2/NDF :10502.2/5

Right Out: 6229.625 $\pm$ 1.660 χ^2/NDF : 244622.7/19

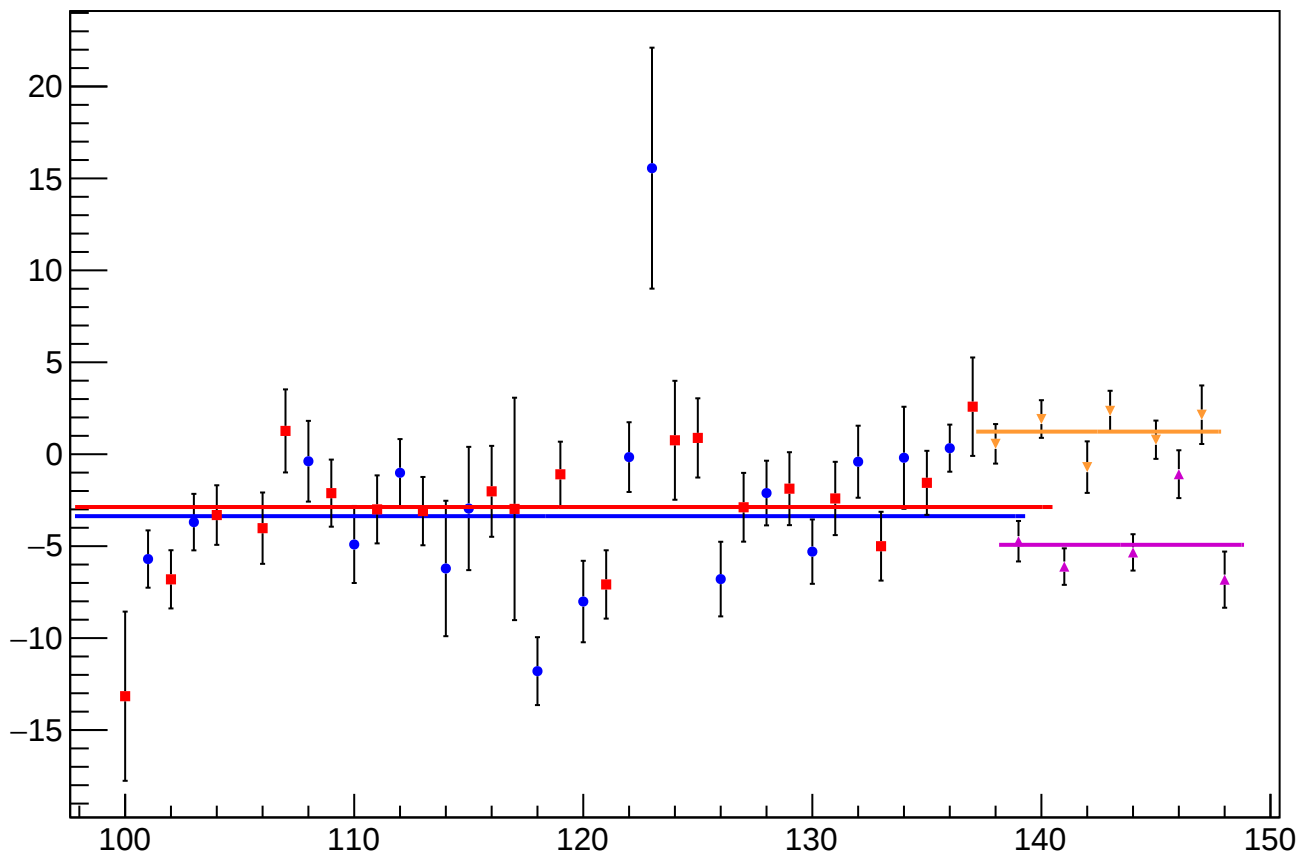
Left In: 7420.105 $\pm$ 2.643 χ^2/NDF :10369.8/4

6678.366 $\pm$ 1.447 χ^2/NDF : 394867.5/22

6620.817 $\pm$ 1.008 χ^2/NDF : 798404.6/47

6566.505 $\pm$ 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: 1.229 ± 0.472 χ^2/NDF : 4.3/5

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

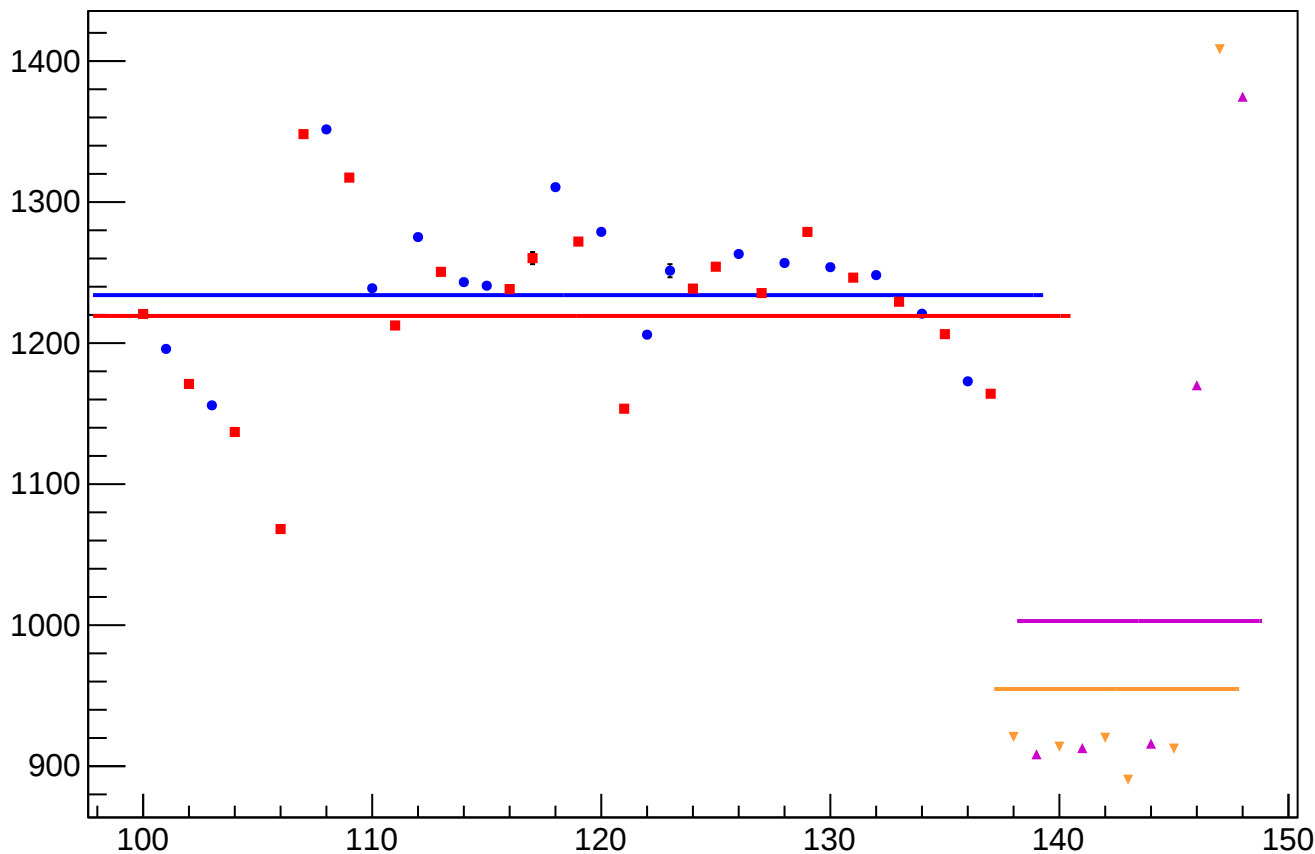
Left In: -4.927 ± 0.508 χ^2/NDF : 11.9/4

-1.054 ± 0.335 χ^2/NDF : 111.3/22

-2.405 ± 0.238 χ^2/NDF : 197.2/47

-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: 954.743 $\pm$ 0.334 χ^2 /NDF:179064.2/5

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

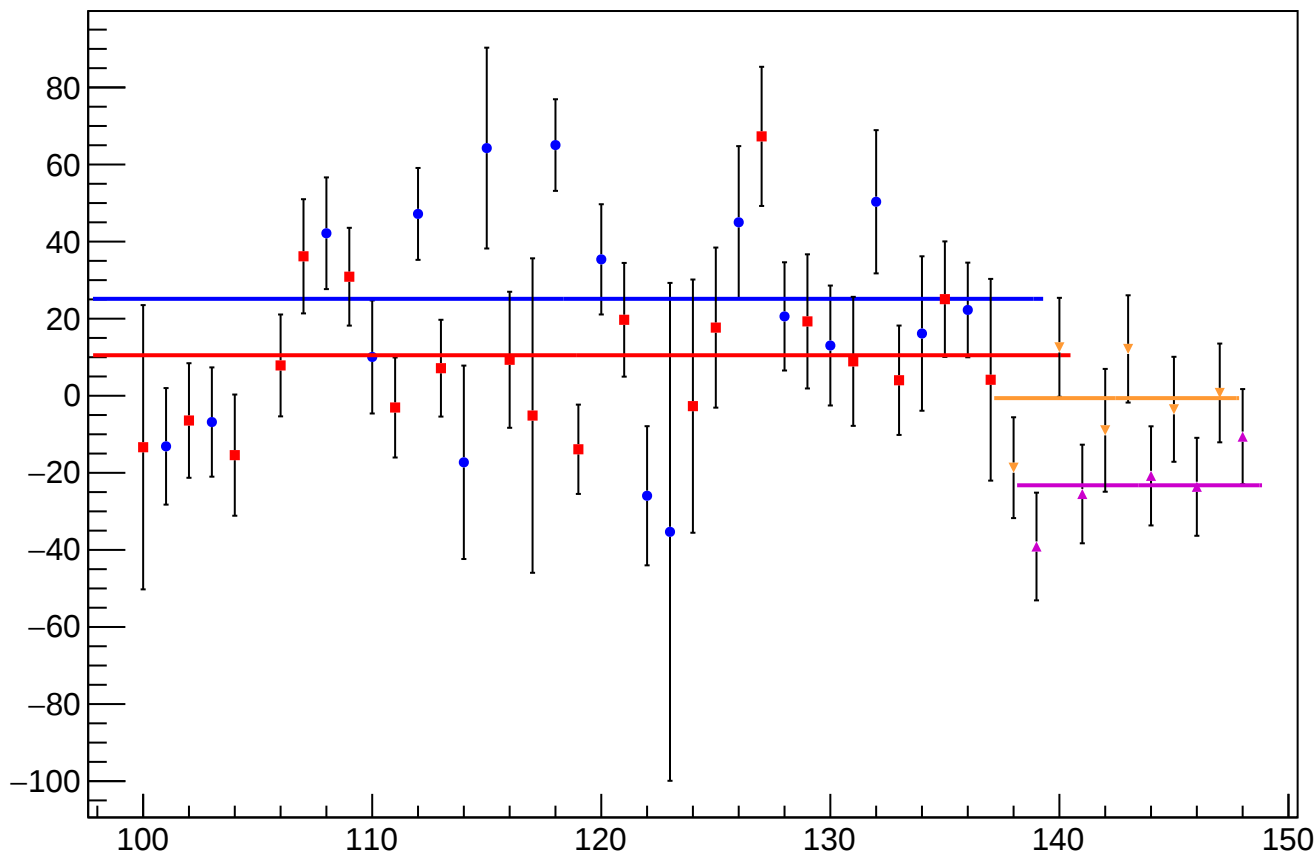
Left In: 1002.944 $\pm$ 0.359 χ^2 /NDF:198181.3/4

1093.416 $\pm$ 0.237 χ^2 /NDF: 549983.7/22

1107.979 $\pm$ 0.168 χ^2 /NDF: 997643.7/47

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: -0.616 ± 5.548 $\chi^2/\text{NDF}: 4.1/5$

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

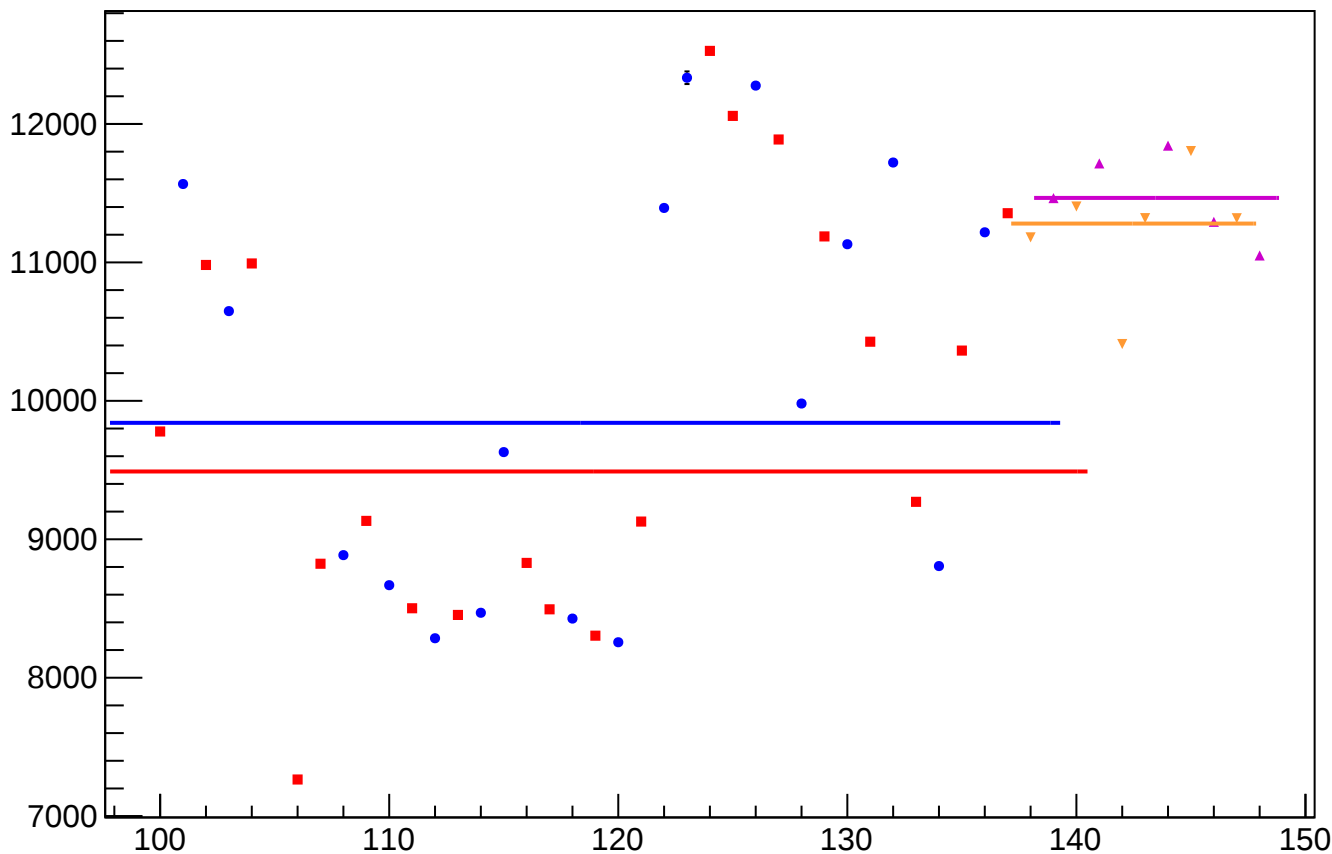
Left In: -23.232 ± 5.771 $\chi^2/\text{NDF}: 2.4/4$

16.811 ± 3.156 $\chi^2/\text{NDF}: 65.7/22$

8.685 ± 2.190 $\chi^2/\text{NDF}: 133.4/47$

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: 11280.495 $\pm$ 3.923 χ^2/NDF : 9256.7/5

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

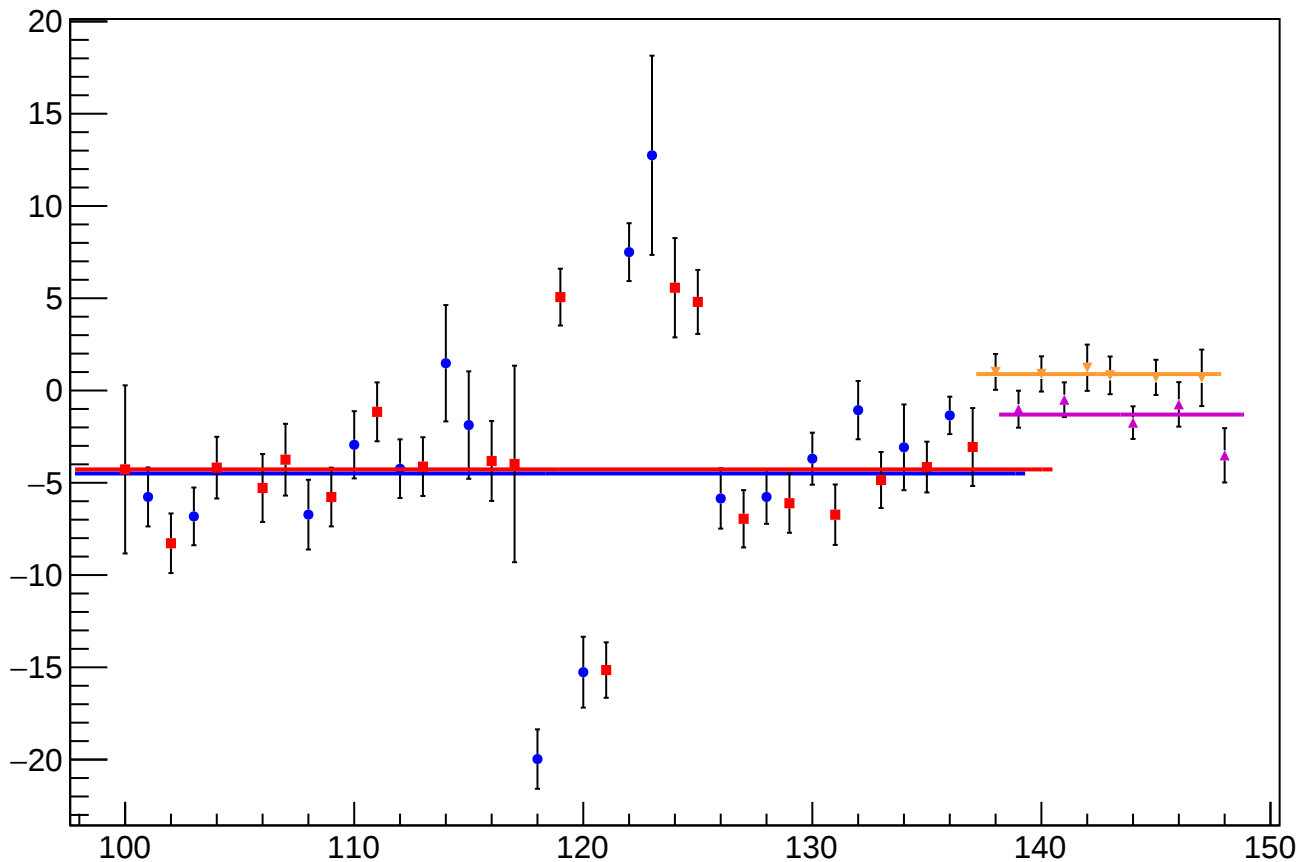
Left In: 11465.835 $\pm$ 4.081 χ^2/NDF : 5120.2/4

10306.936 $\pm$ 2.232 χ^2/NDF : 360369.8/22

10168.111 $\pm$ 1.549 χ^2/NDF : 820176.3/47

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: 0.891 ± 0.435 χ^2/NDF : 0.1/5

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

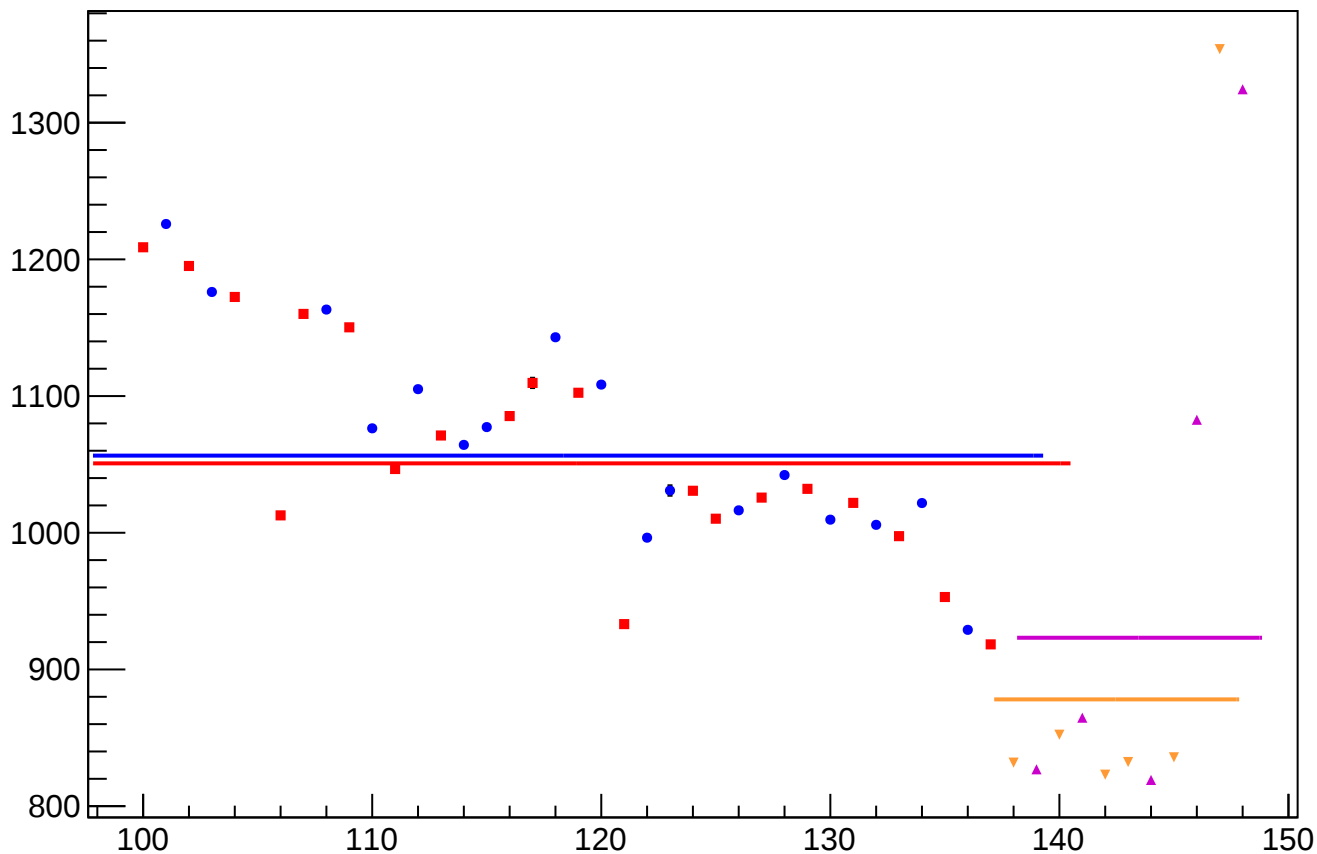
Left In: -1.304 ± 0.469 χ^2/NDF : 3.5/4

-1.975 ± 0.298 χ^2/NDF : 300.1/22

-2.506 ± 0.212 χ^2/NDF : 481.9/47

-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: 878.102 $\pm$ 0.308 χ^2/NDF : 211141.9/5

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

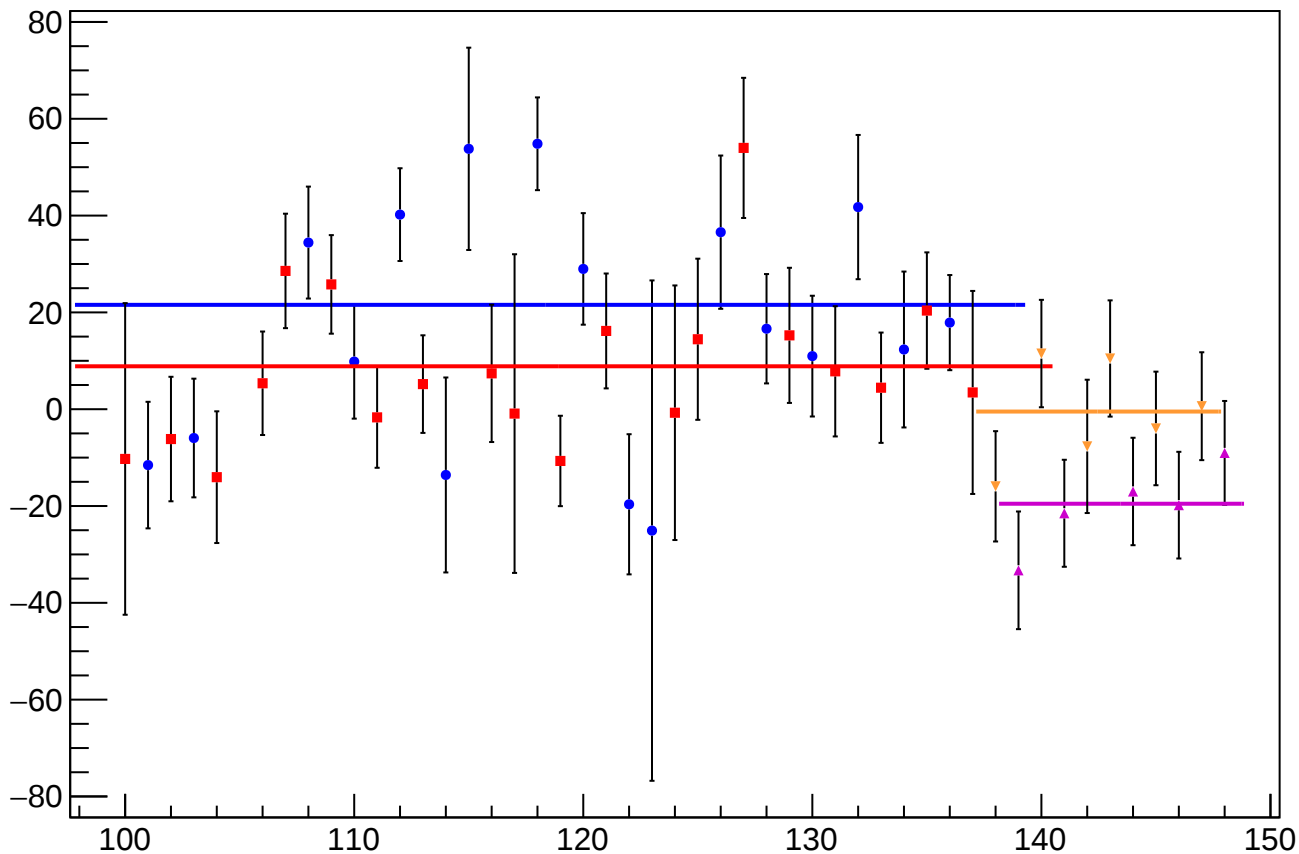
Left In: 923.192 $\pm$ 0.331 χ^2/NDF : 237471.8/4

972.948 $\pm$ 0.210 χ^2/NDF : 480652.1/22

985.391 $\pm$ 0.150 χ^2/NDF : 894880.4/47

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: -0.483 $\pm$ 4.803 χ^2/NDF : 4.2/5

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

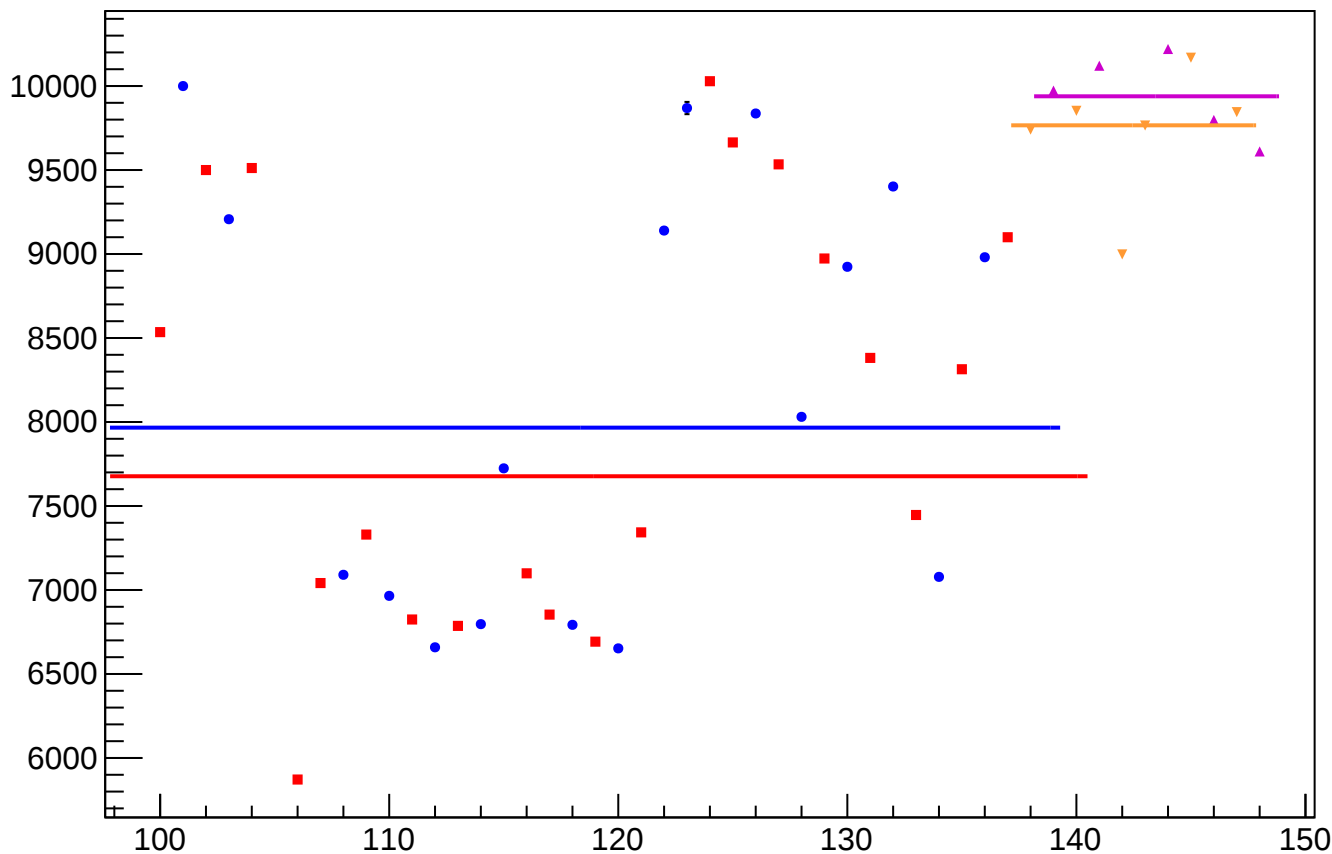
Left In: -19.530 $\pm$ 5.001 χ^2/NDF : 2.3/4

15.048 $\pm$ 2.611 χ^2/NDF : 67.4/22

8.119 $\pm$ 1.809 χ^2/NDF : 135.0/47

1.719 $\pm$ 2.509 χ^2/NDF : 54.0/24

diff_bpm0l08X_rms vs Slug, Sign Corrected



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

Left Out: 9766.069 +/- 3.396 χ^2/NDF : 8812.0/5

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

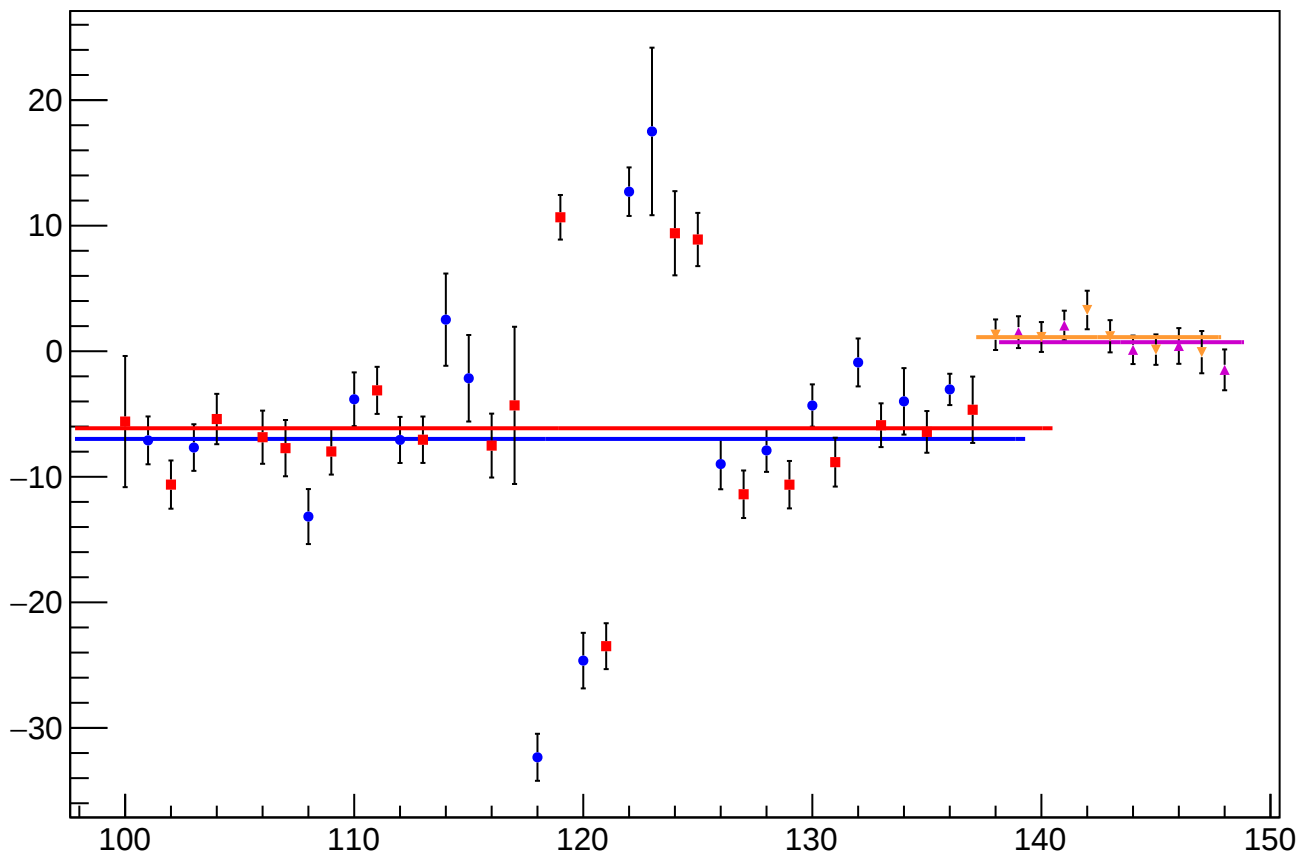
Left In: 9938.793 +/- 3.536 χ^2/NDF : 4042.2/4

8498.160 +/- 1.846 χ^2/NDF : 503262.7/22

8367.266 +/- 1.279 χ^2/NDF : 1139385.3/47

8246.366 +/- 1.774 χ^2/NDF : 626451.4/24

diff_bpm0l08Y_mean vs Slug, Sign Corrected



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

Left Out: 1.123 ± 0.539 $\chi^2/\text{NDF}: 3.2/5$

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

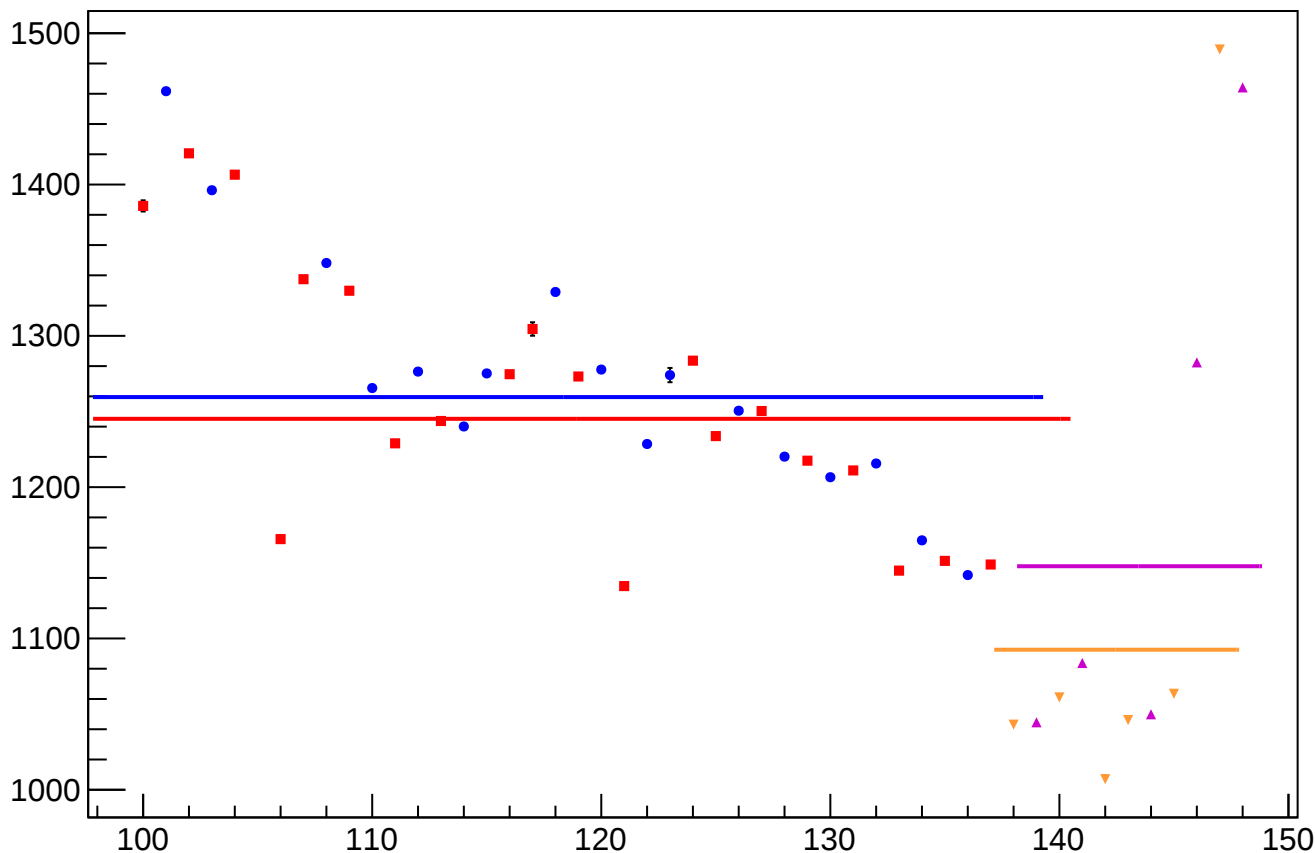
Left In: 0.720 ± 0.578 $\chi^2/\text{NDF}: 3.8/4$

-3.344 ± 0.361 $\chi^2/\text{NDF}: 536.5/22$

-3.392 ± 0.256 $\chi^2/\text{NDF}: 903.3/47$

-3.440 ± 0.363 $\chi^2/\text{NDF}: 366.7/24$

diff_bpm0l08Y_rms vs Slug, Sign Corrected



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

Left Out: 1092.565 ± 0.381 χ^2/NDF : 125847.6/5

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

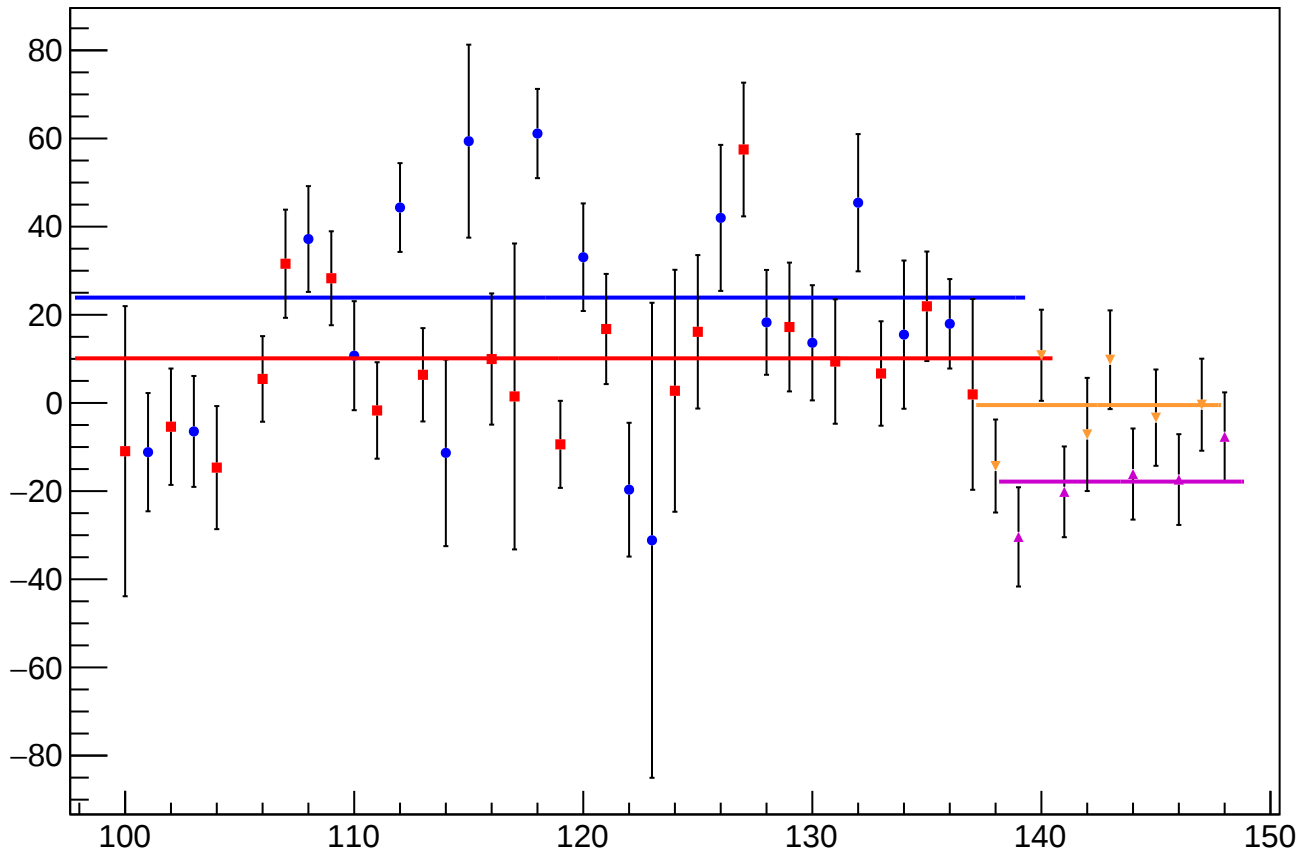
Left In: 1147.733 ± 0.409 χ^2/NDF : 127672.6/4

1184.570 ± 0.255 χ^2/NDF : 296592.8/22

1195.667 ± 0.181 χ^2/NDF : 529536.3/47

1206.864 ± 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: -0.481 ± 4.475 $\chi^2/\text{NDF}: 4.1/5$

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

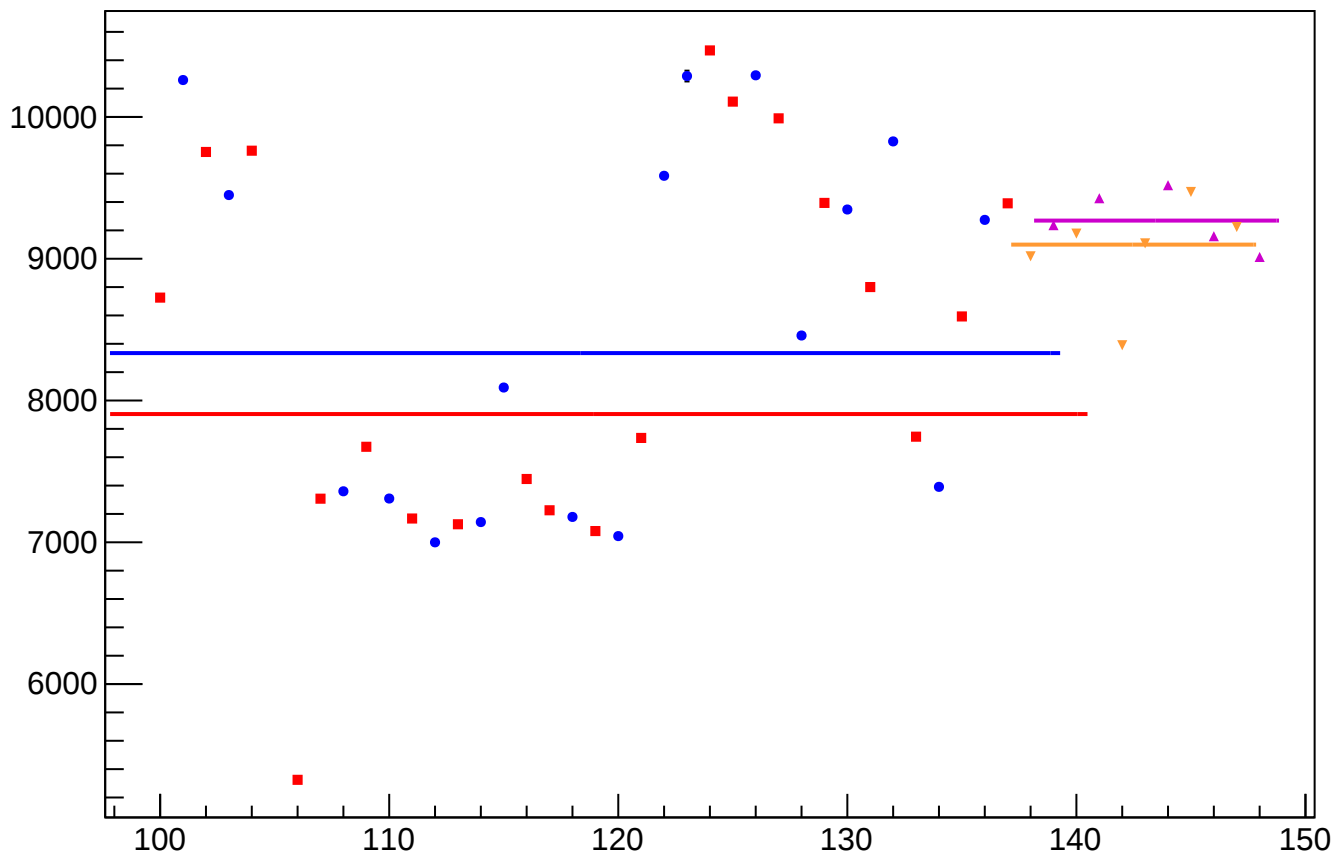
Left In: -17.843 ± 4.663 $\chi^2/\text{NDF}: 2.3/4$

15.481 ± 2.630 $\chi^2/\text{NDF}: 76.0/22$

8.430 ± 1.819 $\chi^2/\text{NDF}: 145.6/47$

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: 9099.601 $\pm$ 3.164 χ^2/NDF :8943.6/5

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

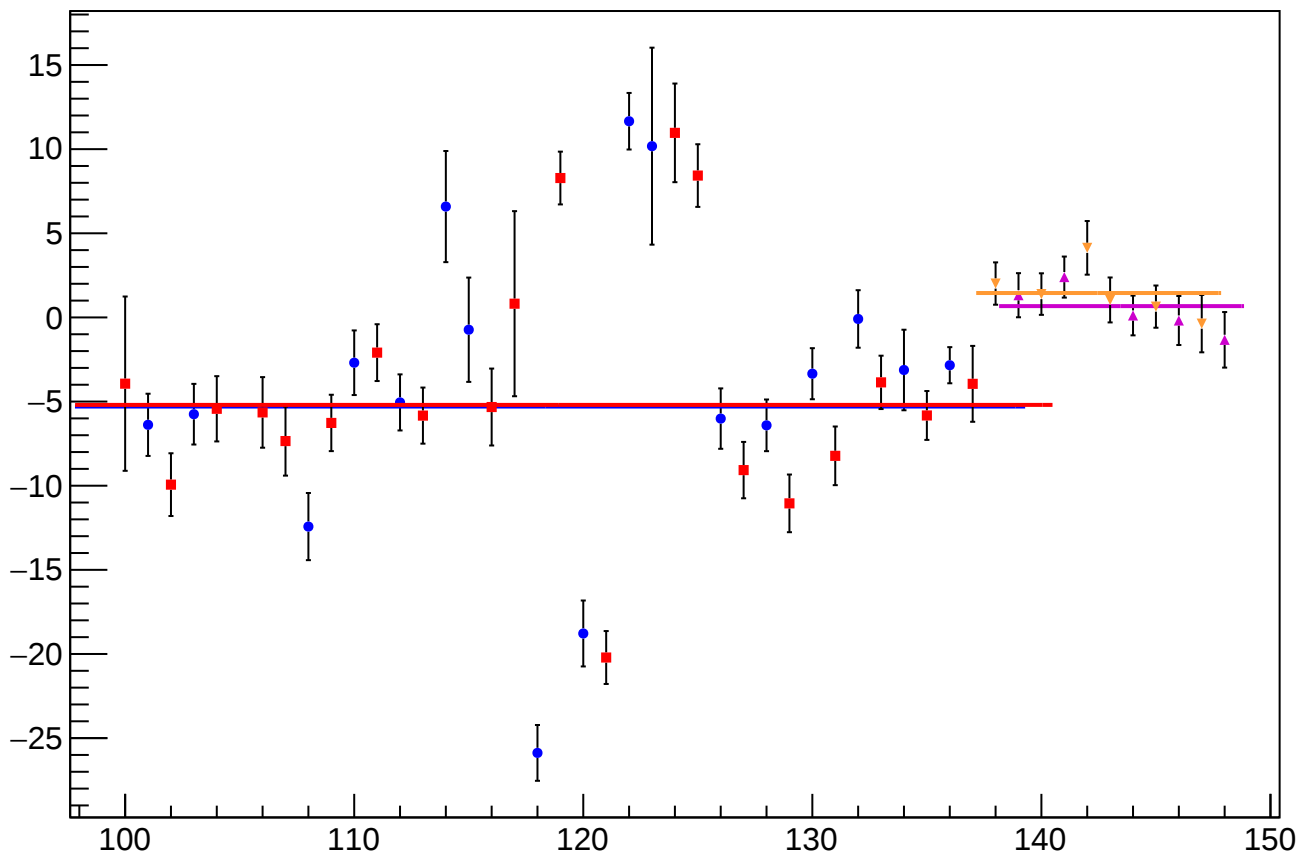
Left In: 9269.073 $\pm$ 3.297 χ^2/NDF :3179.6/4

8598.793 $\pm$ 1.860 χ^2/NDF : 319519.5/22

8444.538 $\pm$ 1.286 χ^2/NDF : 848755.0/47

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: 1.451±/0.557 χ^2/NDF : 4.7/5

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

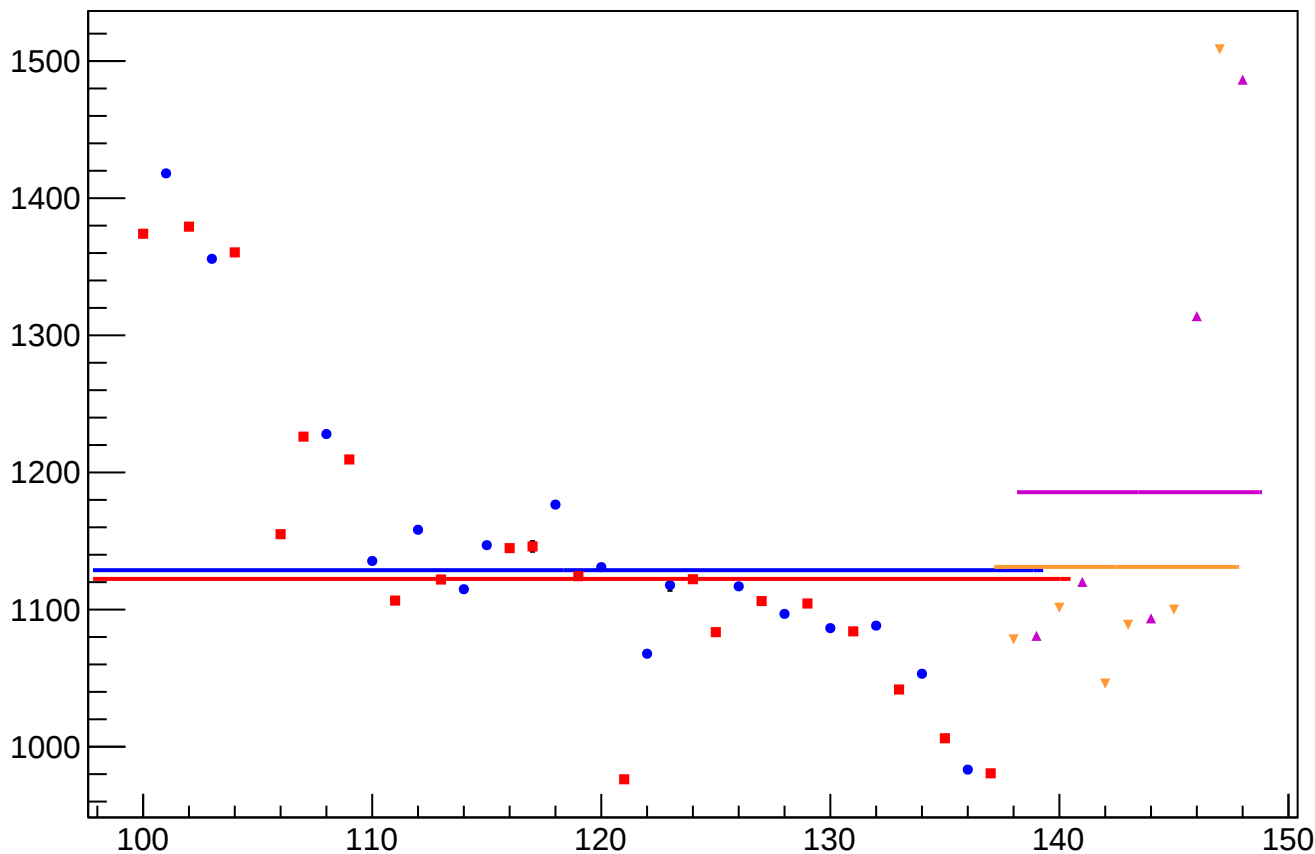
Left In: 0.672±/0.597 χ^2/NDF : 4.3/4

-2.727±/0.344 χ^2/NDF : 453.6/22

-2.988±/0.243 χ^2/NDF : 806.8/47

-3.250±/0.344 χ^2/NDF : 352.1/24

diff_bpm0l09Y_rms vs Slug, Sign Corrected



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

Left Out: 1131.119 +/- 0.394 χ^2/NDF : 111680.0/5

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

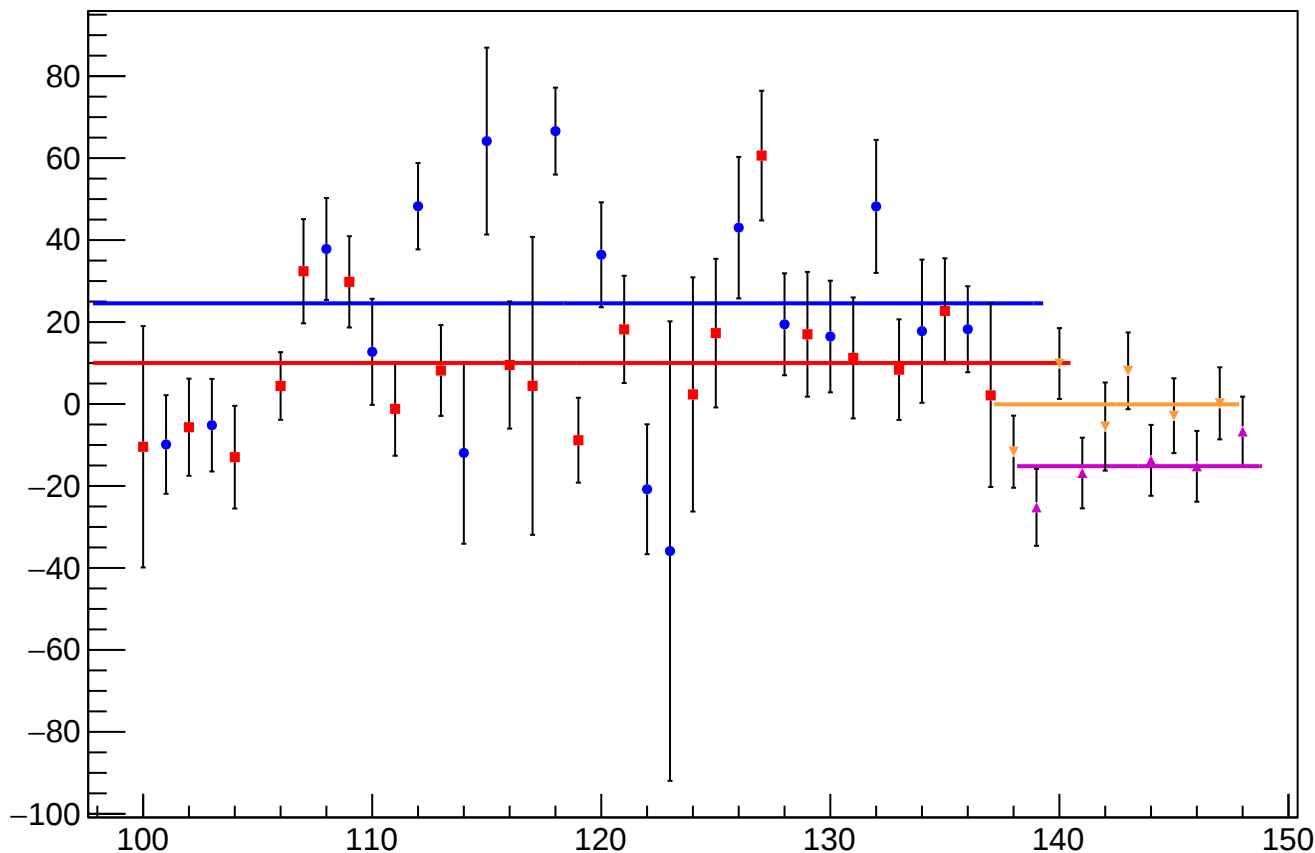
Left In: 1185.603 +/- 0.422 χ^2/NDF : 112585.6/4

1129.646 +/- 0.243 χ^2/NDF : 244799.5/22

1136.503 +/- 0.172 χ^2/NDF : 503623.5/47

1143.355 +/- 0.243 χ^2/NDF : 257233.0/24

diff_bpm0l10X_mean vs Slug, Sign Corrected



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

Left Out: -0.080 $\pm$ 3.745 χ^2 /NDF: 4.2/5

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

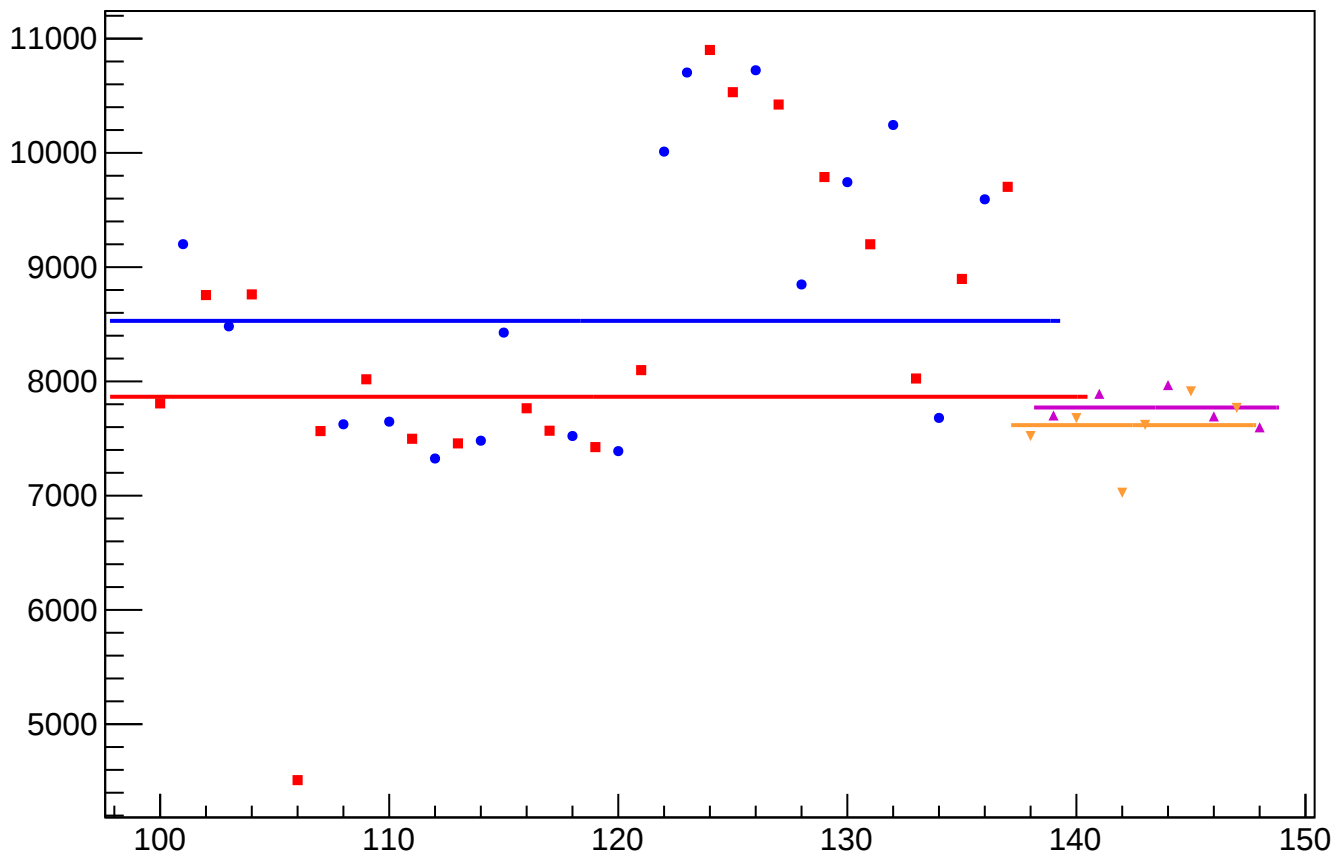
Left In: -15.171 $\pm$ 3.909 χ^2 /NDF: 2.2/4

13.729 $\pm$ 2.484 χ^2 /NDF: 86.5/22

6.928 $\pm$ 1.718 χ^2 /NDF: 158.1/47

0.690 $\pm$ 2.379 χ^2 /NDF: 57.2/24

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8529.821 $\pm$ 2.346 χ^2/NDF : 208336.1/16

Left Out: 7617.222 $\pm$ 2.648 χ^2/NDF : 9079.9/5

Right Out: 7865.549 $\pm$ 2.119 χ^2/NDF : 555976.4/19

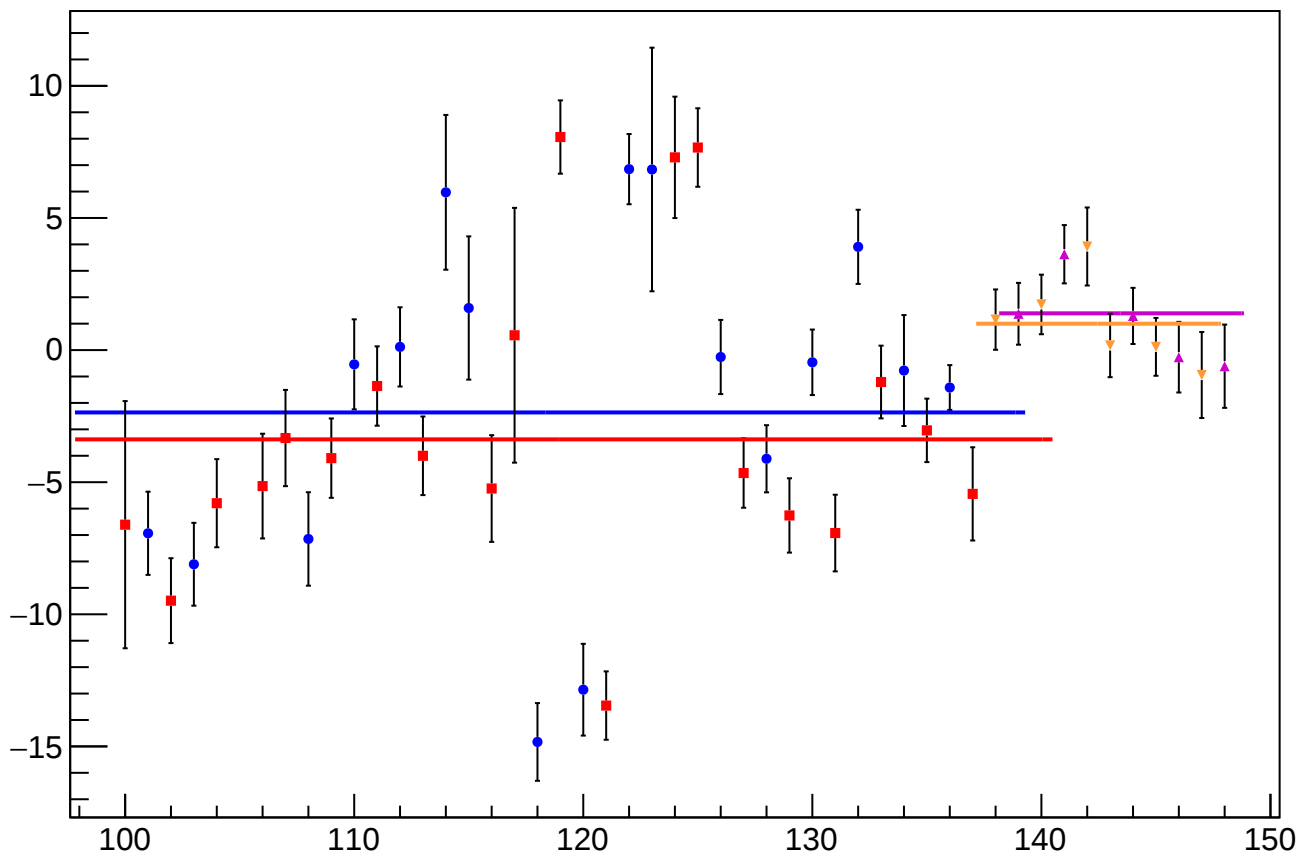
Left In: 7771.515 $\pm$ 2.764 χ^2/NDF : 2526.3/4

8128.489 $\pm$ 1.756 χ^2/NDF : 283937.7/22

7973.165 $\pm$ 1.215 χ^2/NDF : 858163.5/47

7830.726 $\pm$ 1.682 χ^2/NDF : 559231.6/24

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.360 $\pm$ 0.366 χ^2/NDF : 232.0/16

Left Out: 0.998 $\pm$ 0.505 χ^2/NDF : 6.9/5

Right Out: -3.379 $\pm$ 0.357 χ^2/NDF : 242.1/19

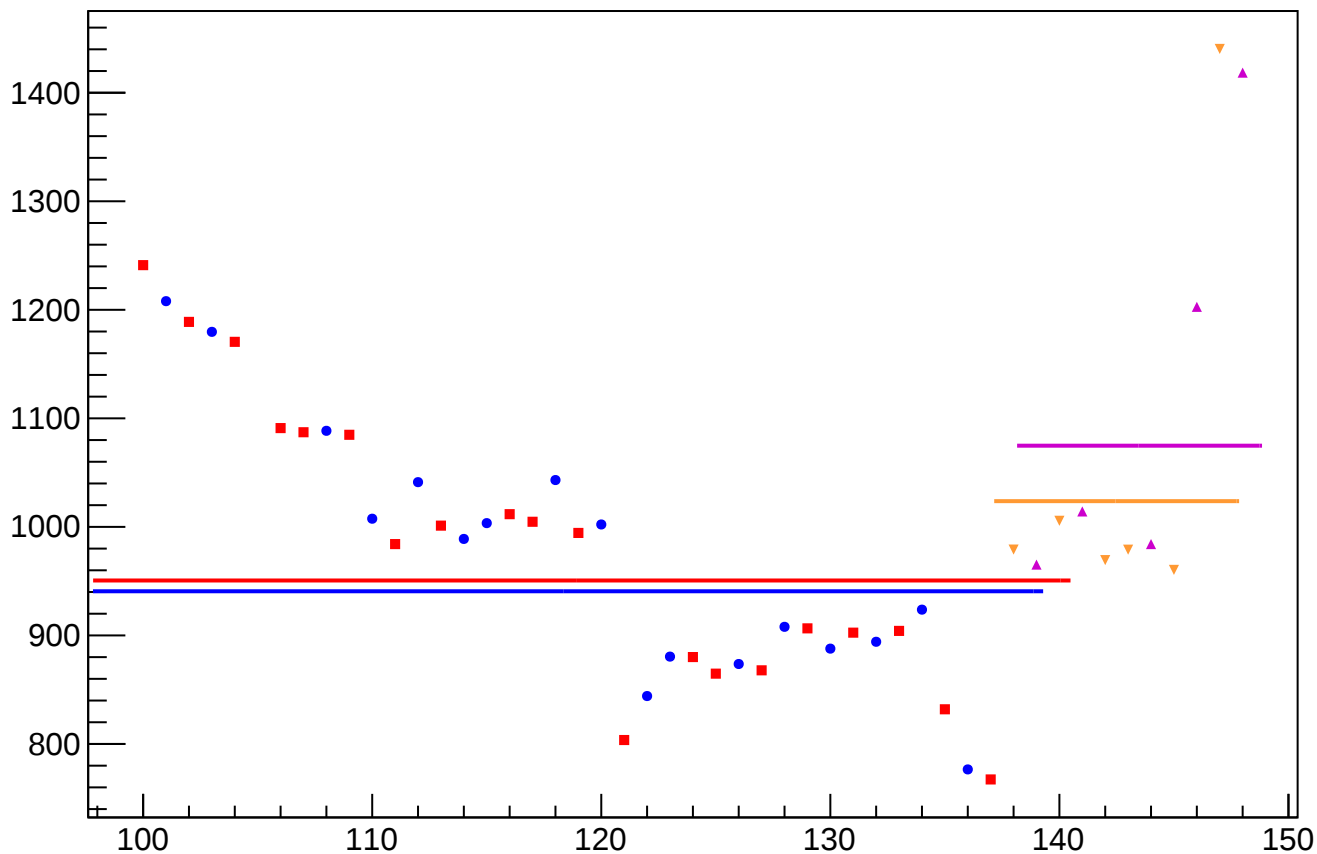
Left In: 1.391 $\pm$ 0.542 χ^2/NDF : 7.3/4

-1.206 $\pm$ 0.296 χ^2/NDF : 267.9/22

-1.568 $\pm$ 0.210 χ^2/NDF : 574.2/47

-1.936 $\pm$ 0.298 χ^2/NDF : 303.3/24

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 940.683 $\pm$ 0.258 χ^2/NDF : 241768.4/16

Left Out: 1023.707 $\pm$ 0.357 χ^2/NDF : 146738.0/5

Right Out: 950.615 $\pm$ 0.253 χ^2/NDF : 220931.3/19

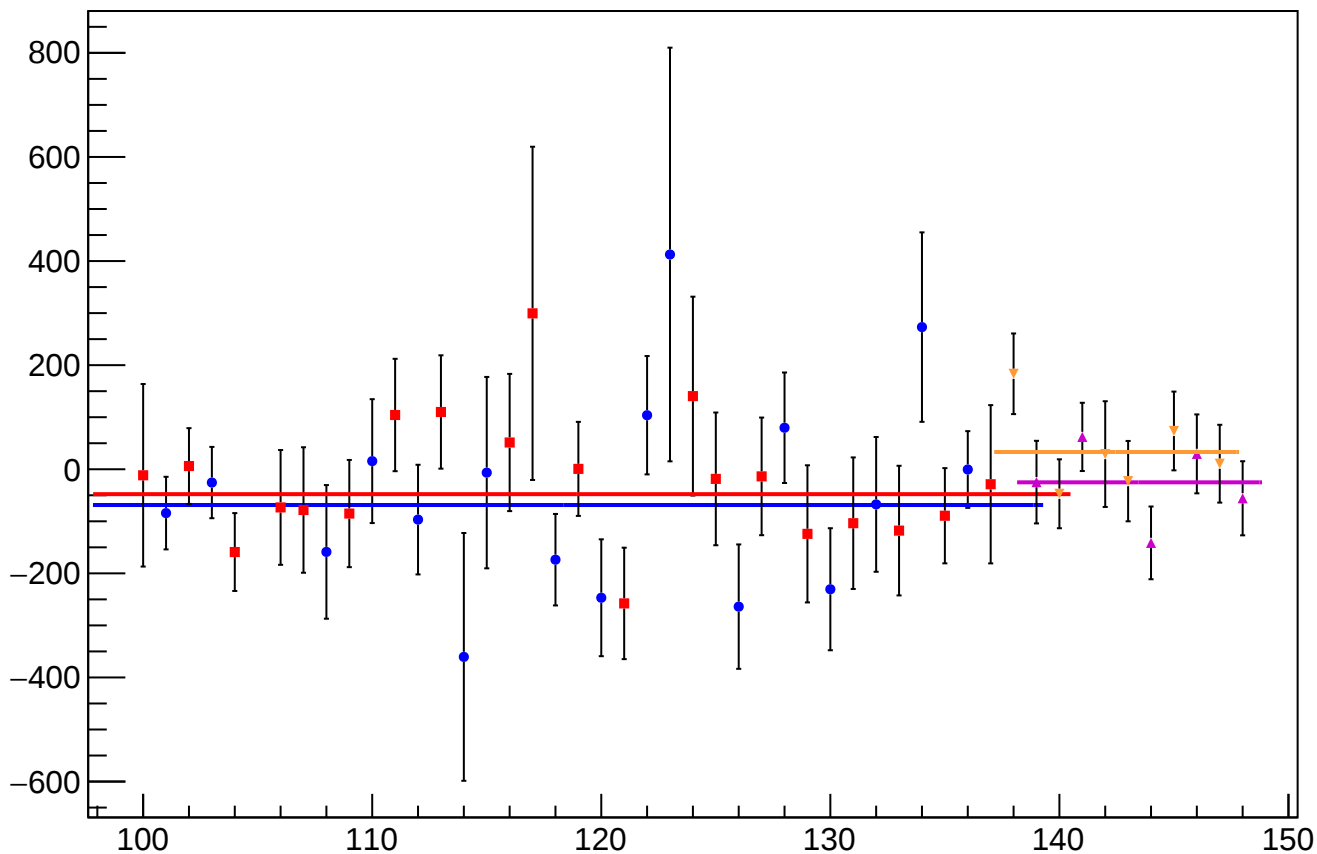
Left In: 1074.810 $\pm$ 0.383 χ^2/NDF : 151596.9/4

969.213 $\pm$ 0.209 χ^2/NDF : 423959.2/22

978.633 $\pm$ 0.149 χ^2/NDF : 873711.5/47

988.191 $\pm$ 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: 33.140 +/- 31.415 χ^2/NDF : 6.1/5

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

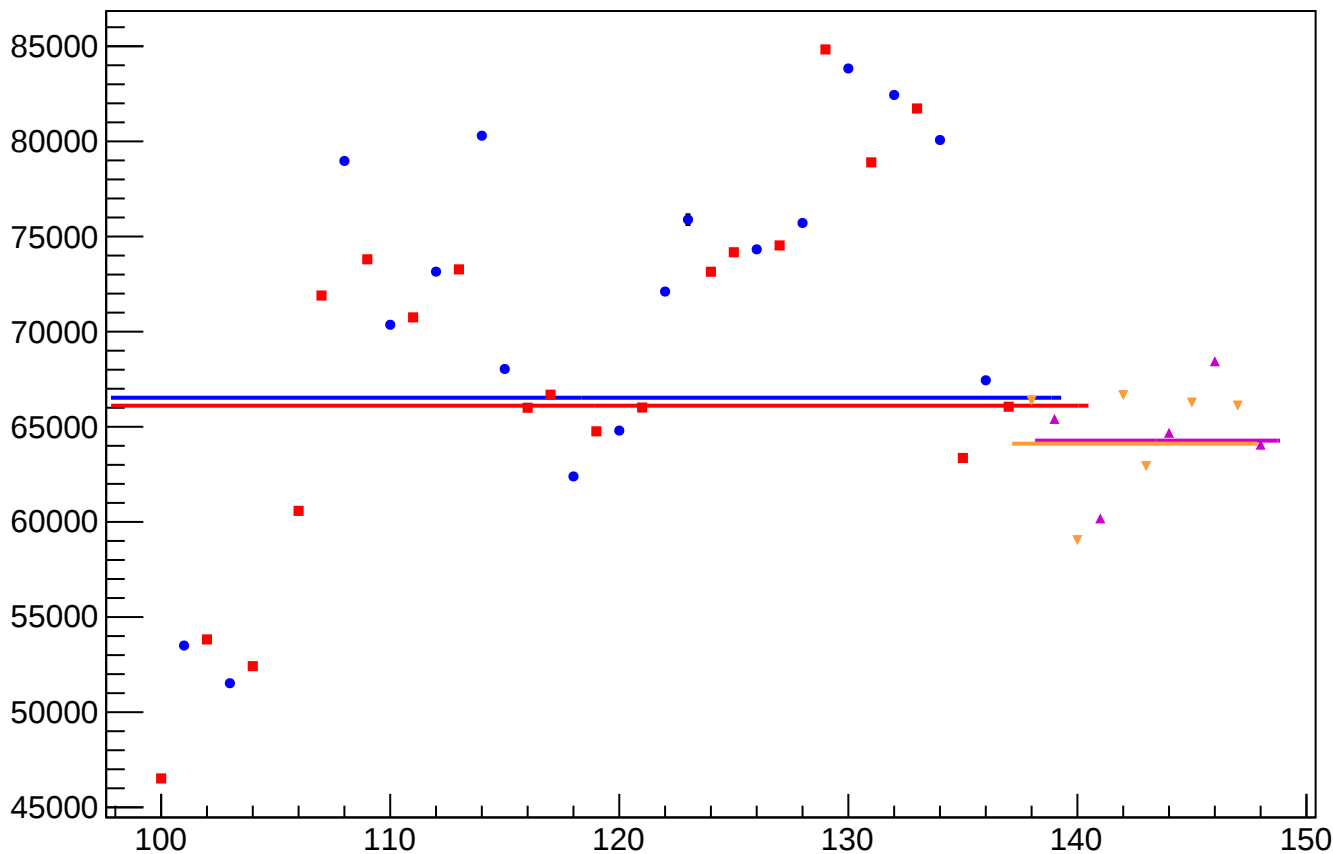
Left In: -25.113 +/- 32.148 χ^2/NDF : 5.2/4

-27.396 +/- 20.005 χ^2/NDF : 34.1/22

-33.436 +/- 14.039 χ^2/NDF : 55.1/47

-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: 64113.718 ± 22.214 χ^2/NDF : 18209.1/5

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

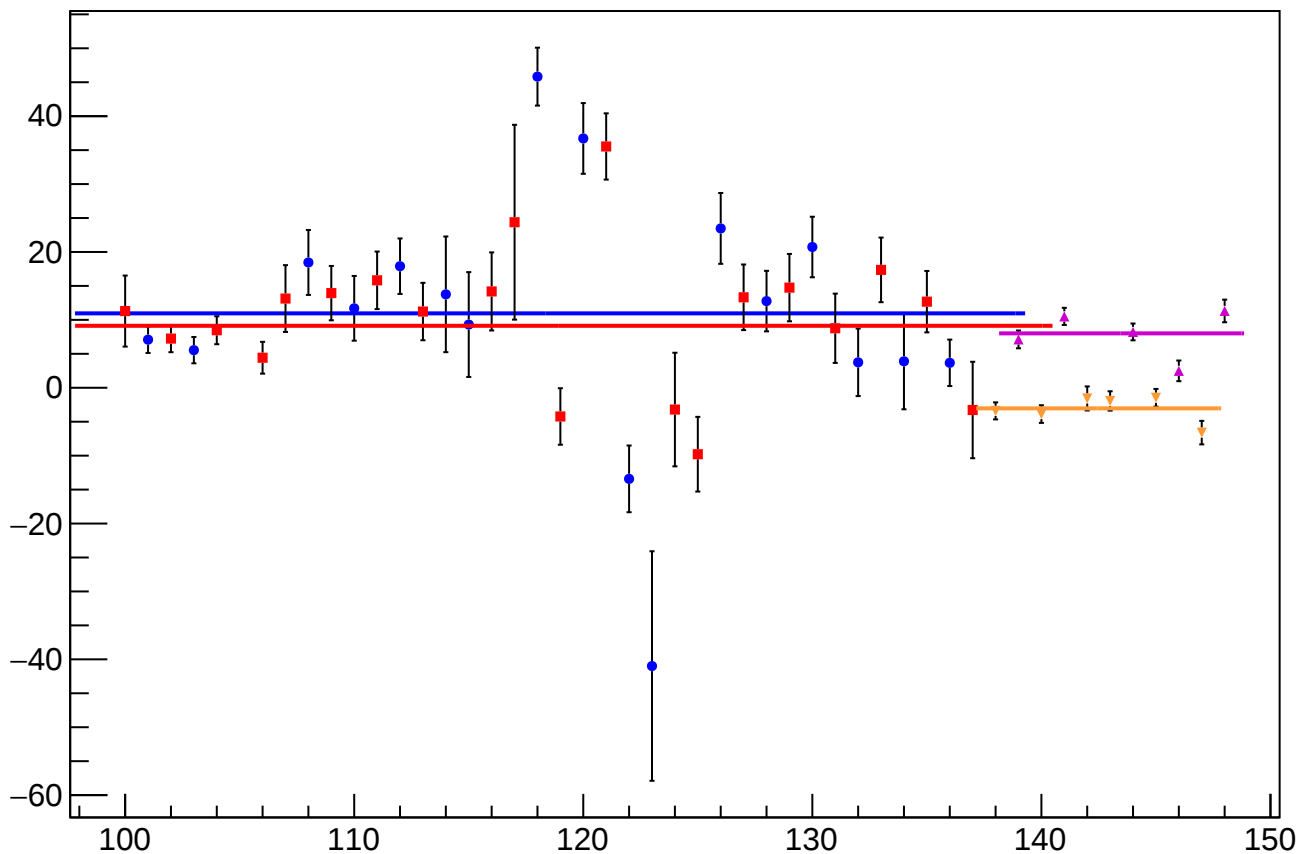
Left In: 64272.960 ± 22.732 χ^2/NDF : 14331.3/4

65548.546 ± 14.146 χ^2/NDF : 346114.1/22

65482.937 ± 9.927 χ^2/NDF : 663053.5/47

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: -3.035 $\pm$ 0.581 χ^2 /NDF: 7.5/5

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

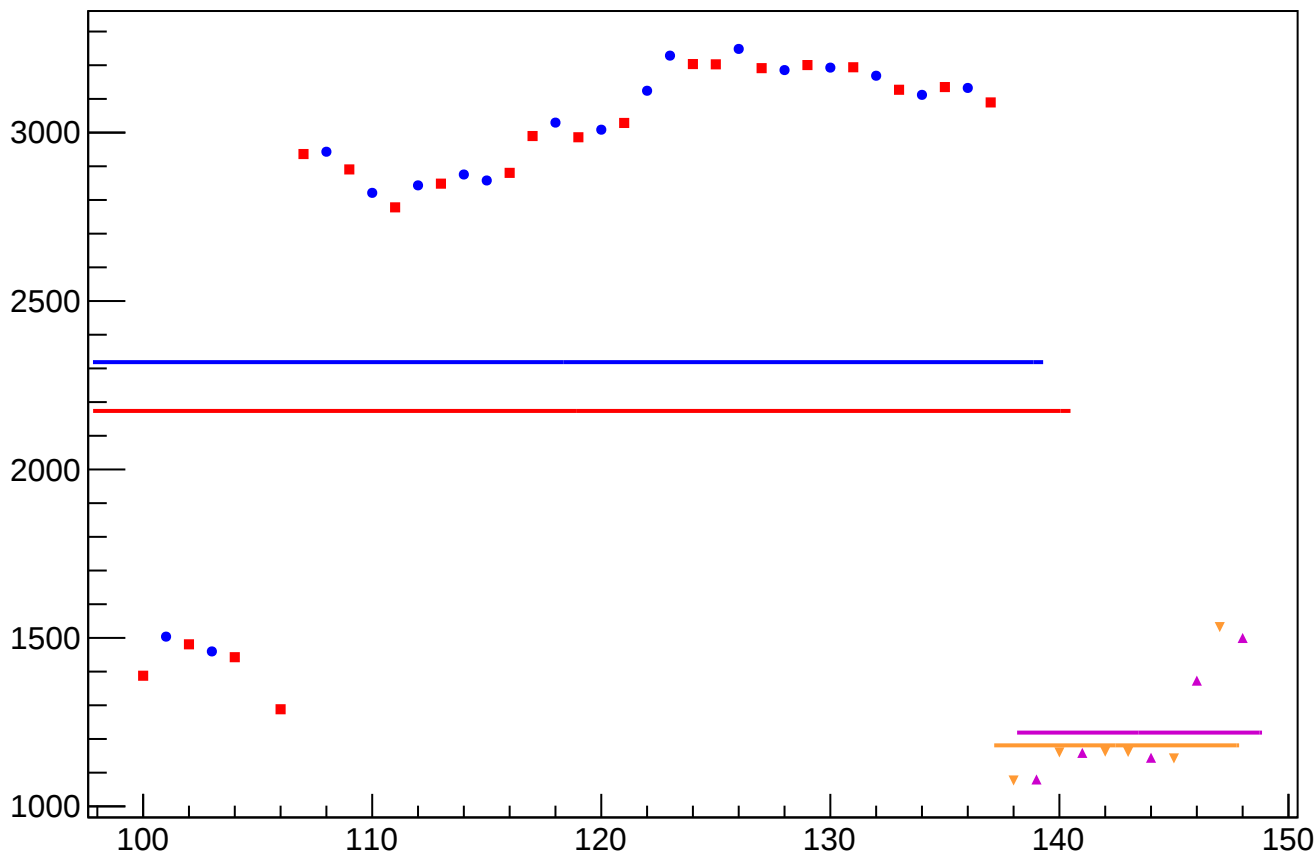
Left In: 8.010 $\pm$ 0.613 χ^2 /NDF: 21.5/4

0.817 $\pm$ 0.495 χ^2 /NDF: 327.9/22

4.560 $\pm$ 0.352 χ^2 /NDF: 540.4/47

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: 1181.066 $\pm$ 0.411 χ^2/NDF : 98878.2/5

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

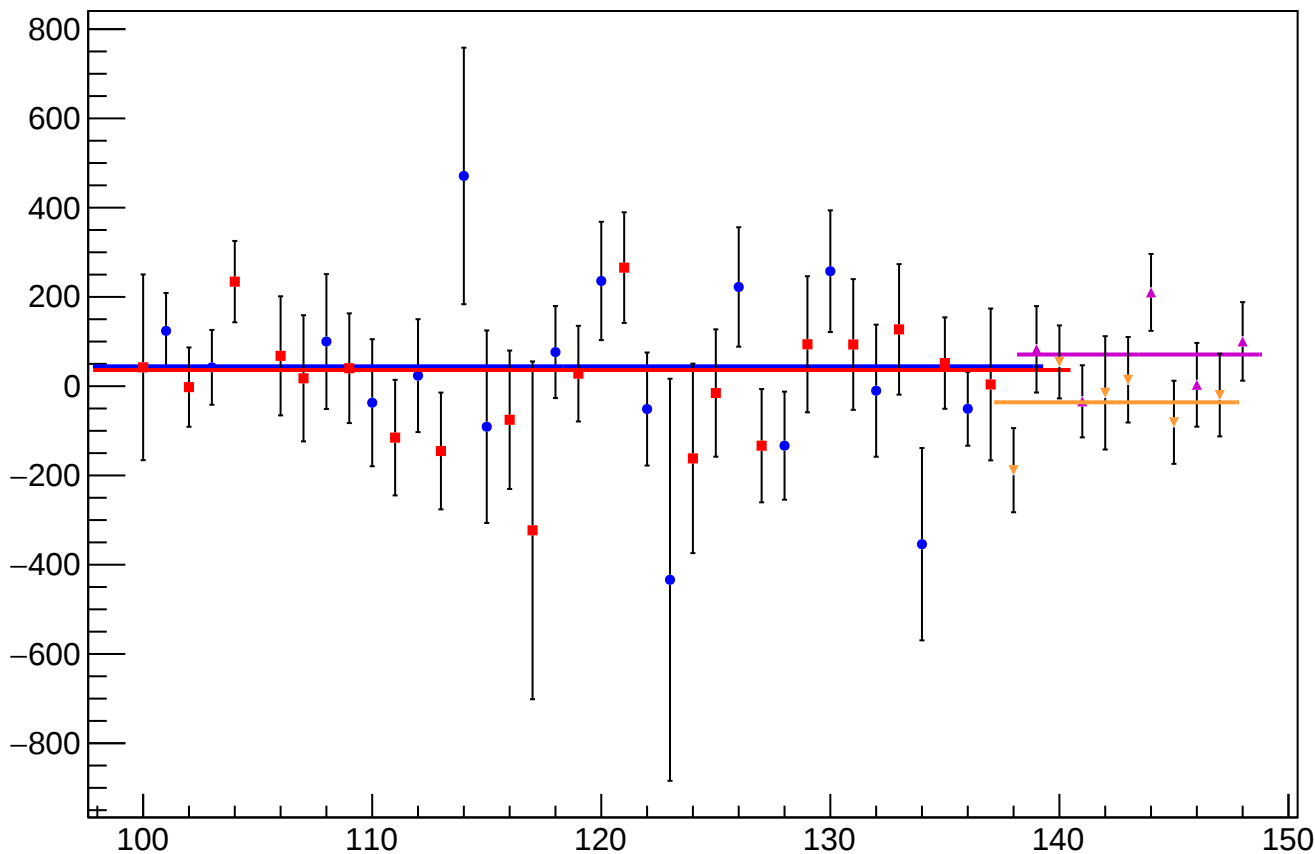
Left In: 1218.915 $\pm$ 0.434 χ^2/NDF : 111811.3/4

1494.238 $\pm$ 0.350 χ^2/NDF : 3615524.7/22

1516.097 $\pm$ 0.249 χ^2/NDF : 7117829.4/47

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: -36.128 $\pm$ 38.782 χ^2/NDF : 4.4/5

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

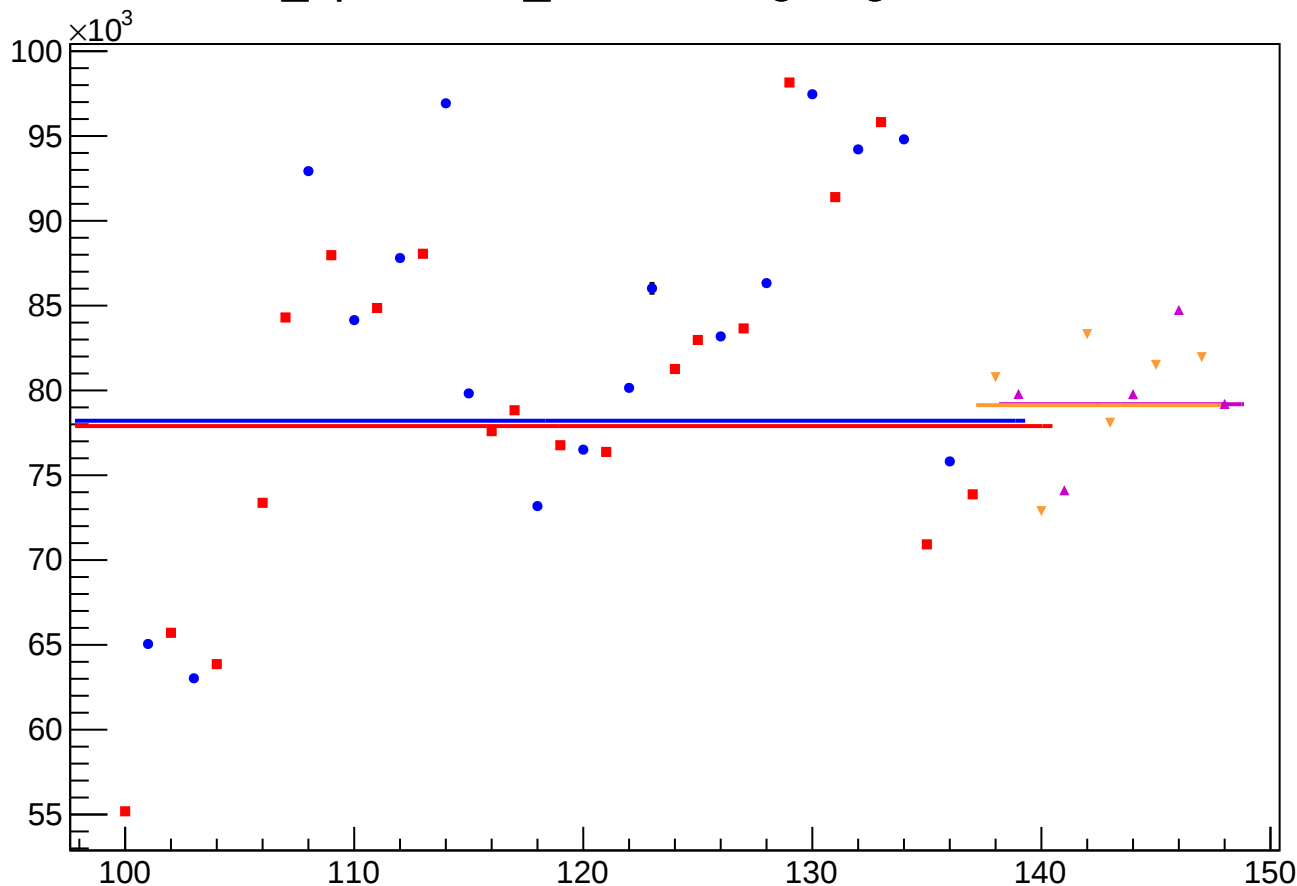
Left In: 70.961 $\pm$ 39.616 χ^2/NDF : 4.9/4

13.764 $\pm$ 23.941 χ^2/NDF : 26.2/22

31.420 $\pm$ 16.800 χ^2/NDF : 49.3/47

48.550 $\pm$ 23.581 χ^2/NDF : 22.1/24

diff_bpm0r05X_rms vs Slug, Sign Corrected



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

Left Out: 79131.865+/-27.423 χ^2/NDF : 17865.2/5

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

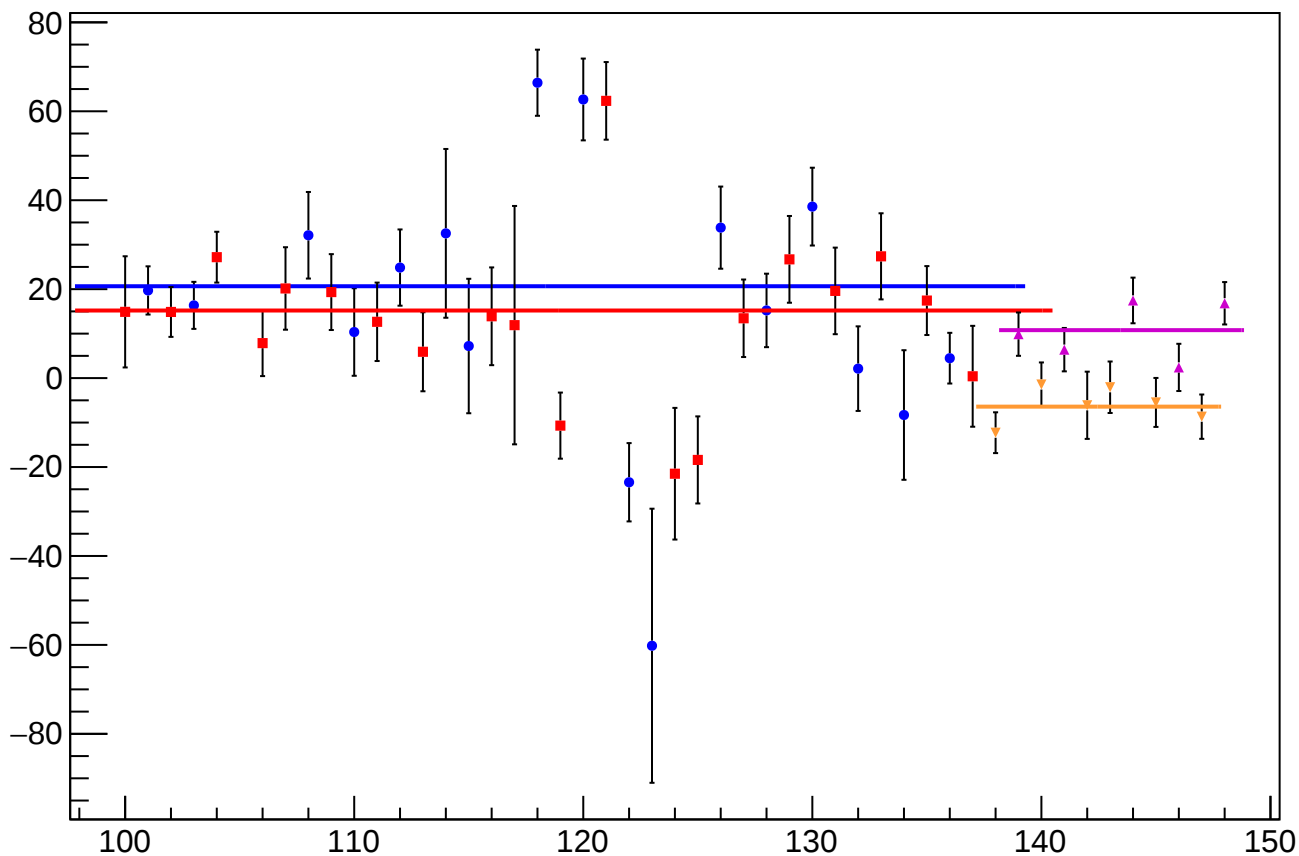
Left In: 79188.091+/-28.013 χ^2/NDF : 15071.7/4

78563.181+/-16.929 χ^2/NDF : 269616.7/22

78457.432+/-11.880 χ^2/NDF : 533118.1/4

78354.839+/-16.674 χ^2/NDF : 263424.5/24

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.657 ± 2.036 $\chi^2/\text{NDF}: 117.7/16$

Left Out: -6.419 ± 2.189 $\chi^2/\text{NDF}: 3.4/5$

Right Out: 15.198 ± 1.950 $\chi^2/\text{NDF}: 71.3/19$

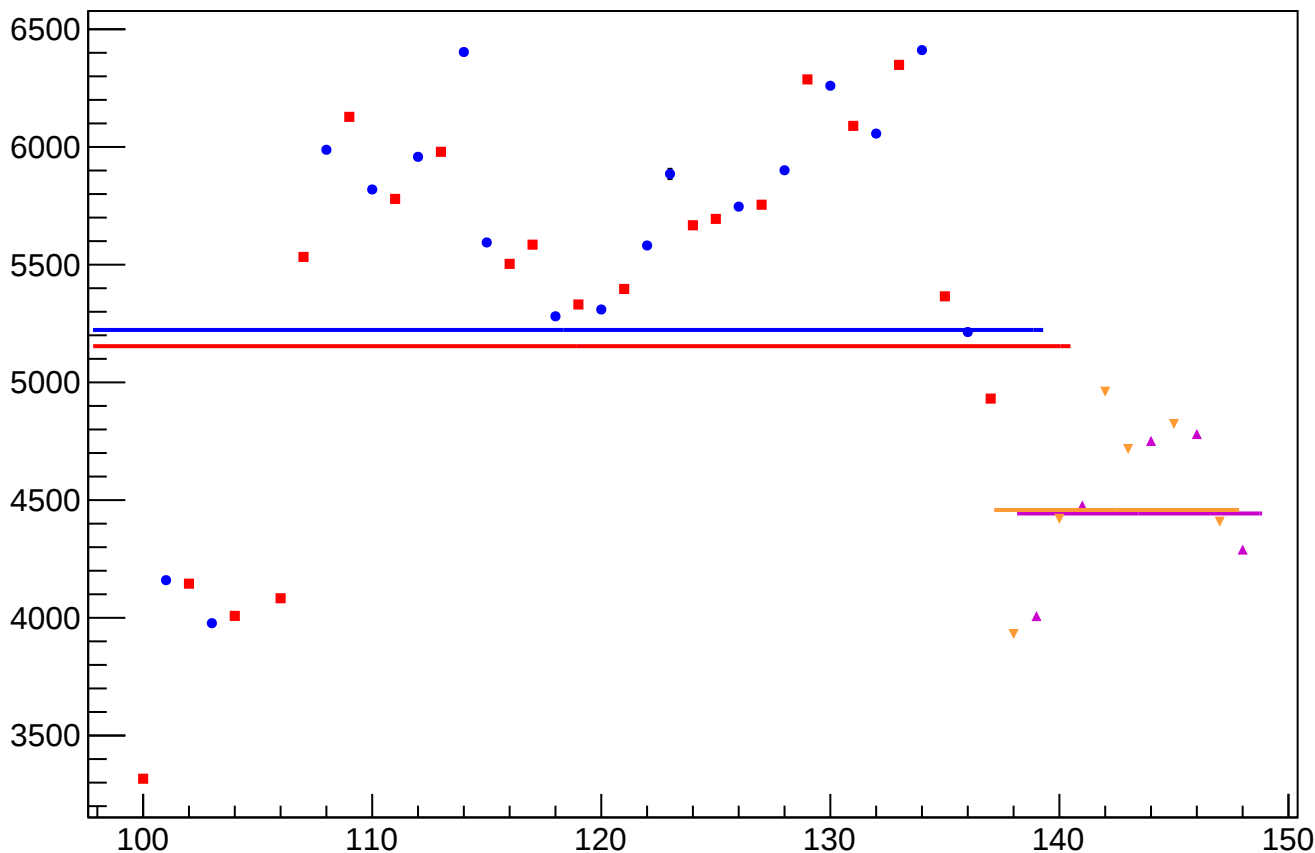
Left In: 10.782 ± 2.227 $\chi^2/\text{NDF}: 6.6/4$

8.098 ± 1.491 $\chi^2/\text{NDF}: 203.2/22$

10.732 ± 1.046 $\chi^2/\text{NDF}: 289.6/47$

13.282 ± 1.467 $\chi^2/\text{NDF}: 80.2/24$

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 5222.767 ± 1.440 $\chi^2/\text{NDF}: 312497.9/16$

Left Out: 4458.056 ± 1.548 $\chi^2/\text{NDF}: 48313.1/5$

Right Out: 5153.826 ± 1.379 $\chi^2/\text{NDF}: 388205.9/19$

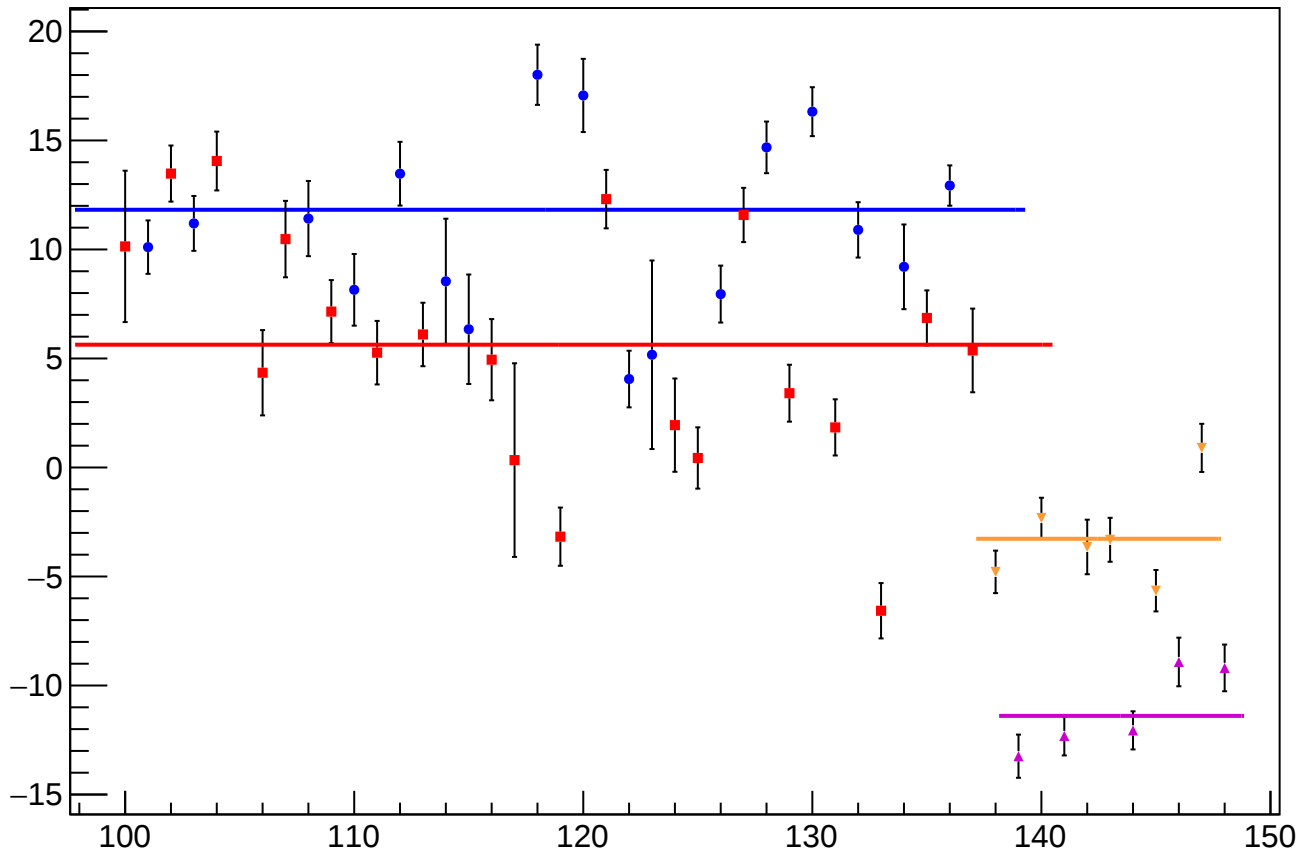
Left In: 4443.225 ± 1.575 $\chi^2/\text{NDF}: 33475.0/4$

4868.048 ± 1.054 $\chi^2/\text{NDF}: 491701.8/22$

4856.611 ± 0.739 $\chi^2/\text{NDF}: 1028894.0/47$

4845.536 ± 1.037 $\chi^2/\text{NDF}: 536960.5/24$

diff_bpm2i01X_mean vs Slug, Sign Corrected



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

Left Out: -3.270 ± 0.416 χ^2/NDF : 24.1/5

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

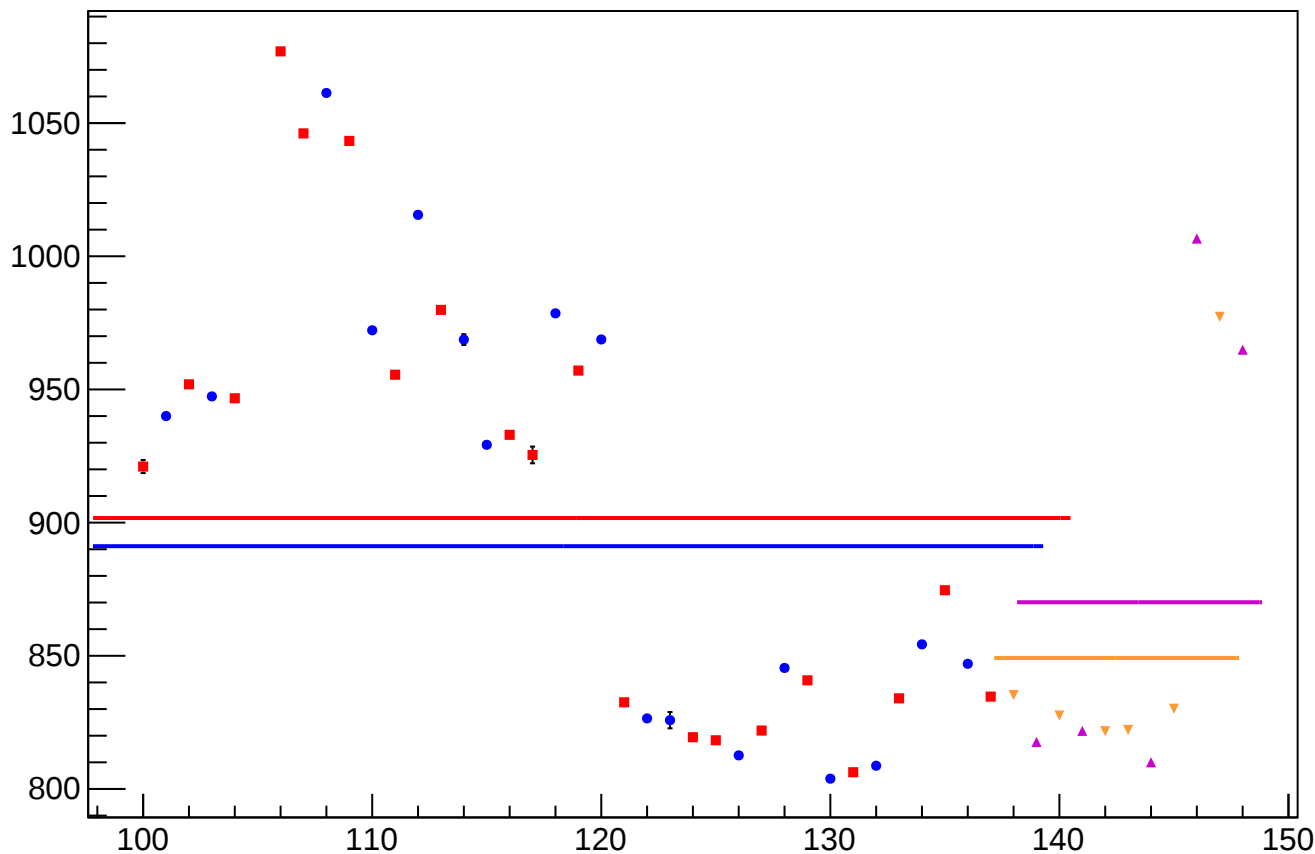
Left In: -11.393 ± 0.436 χ^2/NDF : 14.3/4

5.689 ± 0.265 χ^2/NDF : 920.8/22

2.492 ± 0.188 χ^2/NDF : 2481.0/47

-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: 849.193 $\pm$ 0.294 χ^2/NDF : 31624.5/5

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

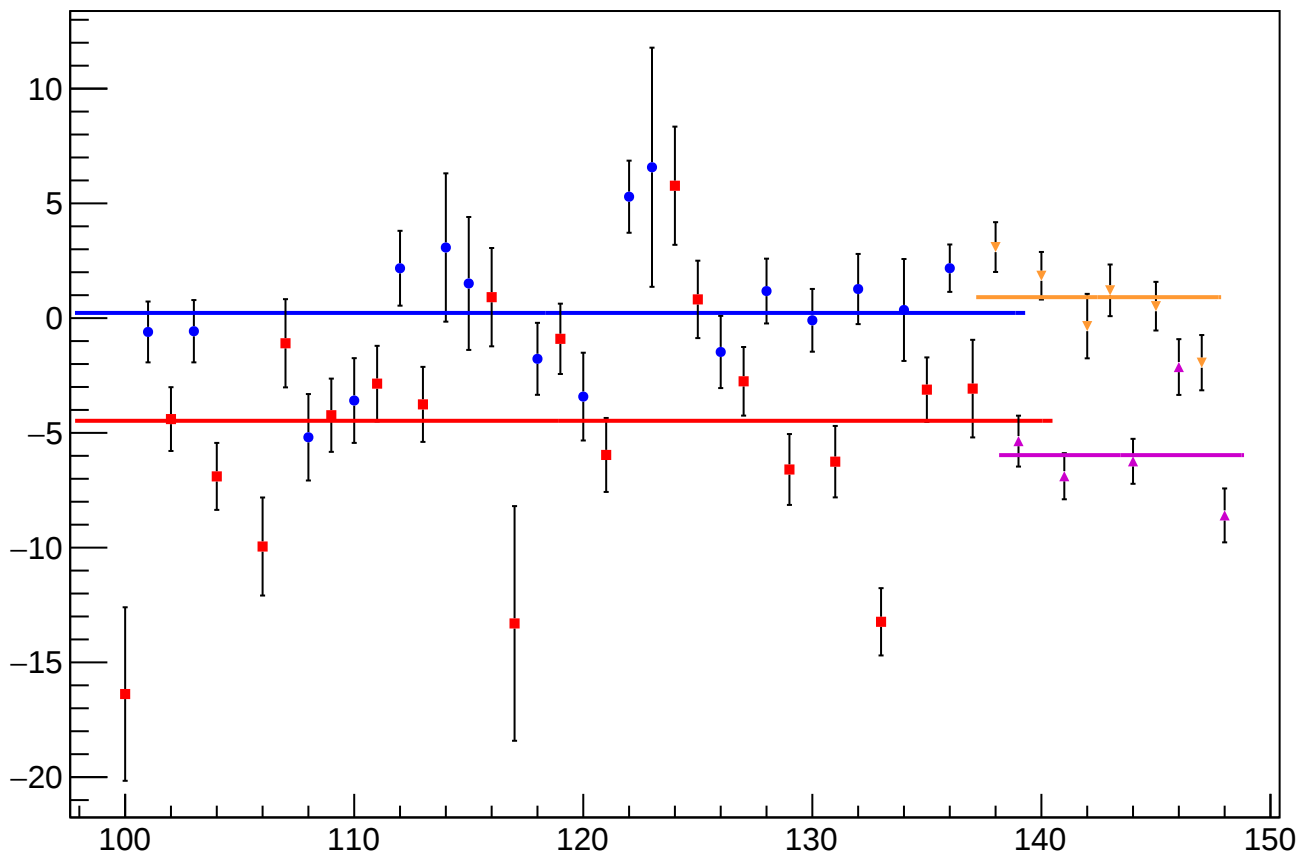
Left In: 870.109 $\pm$ 0.309 χ^2/NDF : 66533.6/4

874.100 $\pm$ 0.188 χ^2/NDF : 145338.0/22

881.950 $\pm$ 0.133 χ^2/NDF : 336608.6/47

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

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.227 $\pm$ 0.395 χ^2/NDF : 38.5/16

Left Out: 0.913 $\pm$ 0.463 χ^2/NDF : 11.5/5

Right Out: -4.473 $\pm$ 0.386 χ^2/NDF : 106.3/19

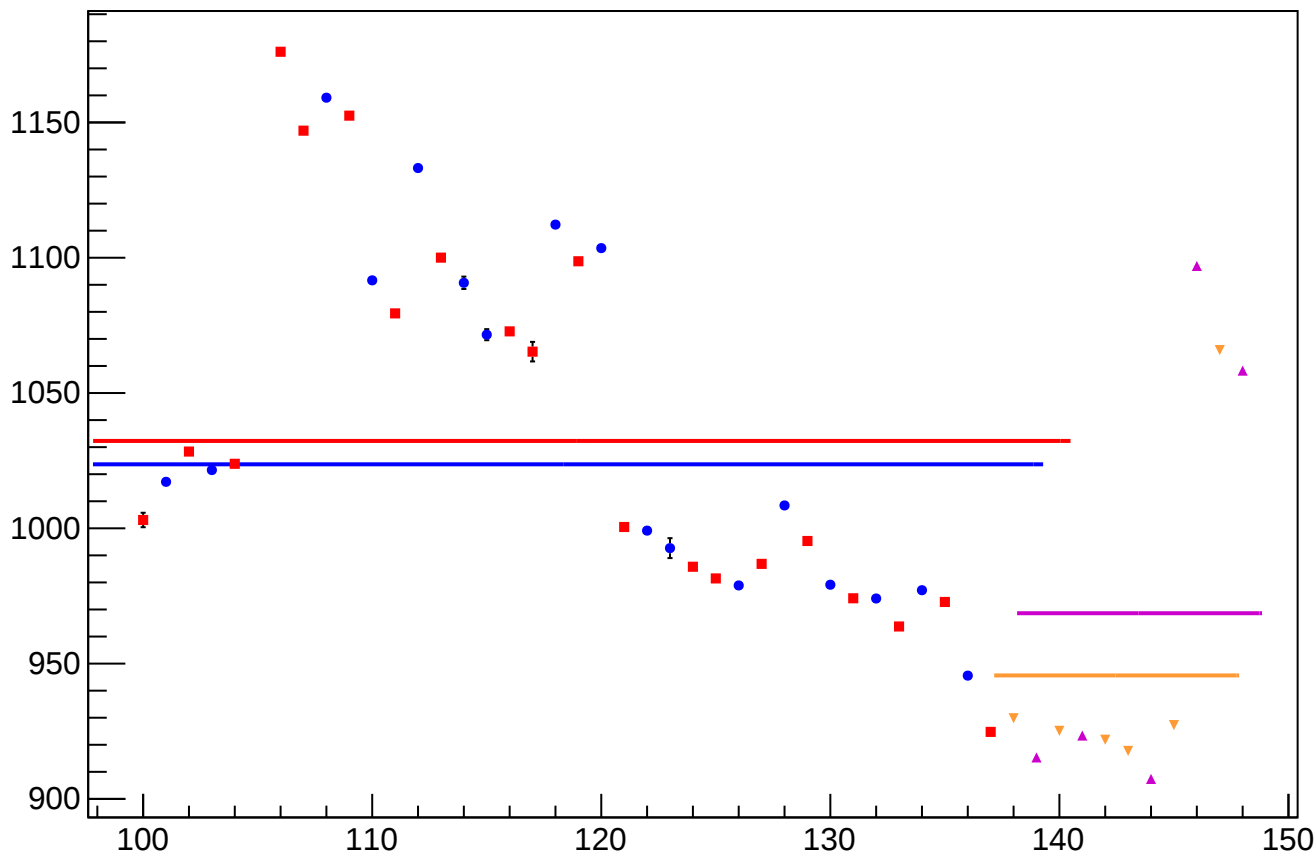
Left In: -5.969 $\pm$ 0.485 χ^2/NDF : 16.2/4

0.516 $\pm$ 0.301 χ^2/NDF : 51.3/22

-2.256 $\pm$ 0.213 χ^2/NDF : 350.5/47

-5.052 $\pm$ 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: 945.633 $\pm$ 0.328 χ^2/NDF : 23547.8/5

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

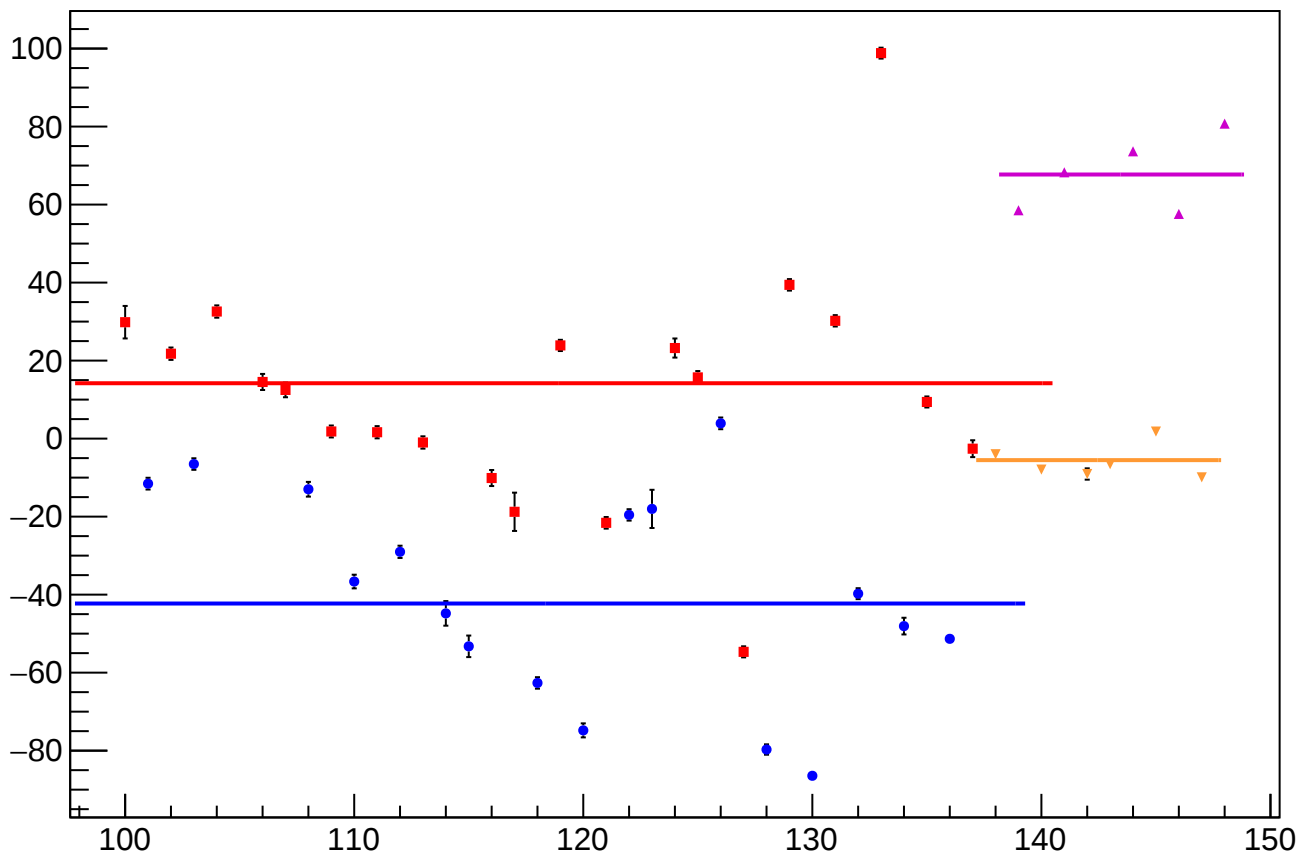
Left In: 968.621 $\pm$ 0.343 χ^2/NDF : 50453.1/4

990.821 $\pm$ 0.213 χ^2/NDF : 108760.9/22

999.198 $\pm$ 0.151 χ^2/NDF : 242918.5/47

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: -5.516 ± 0.477 χ^2/NDF : 70.5/5

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

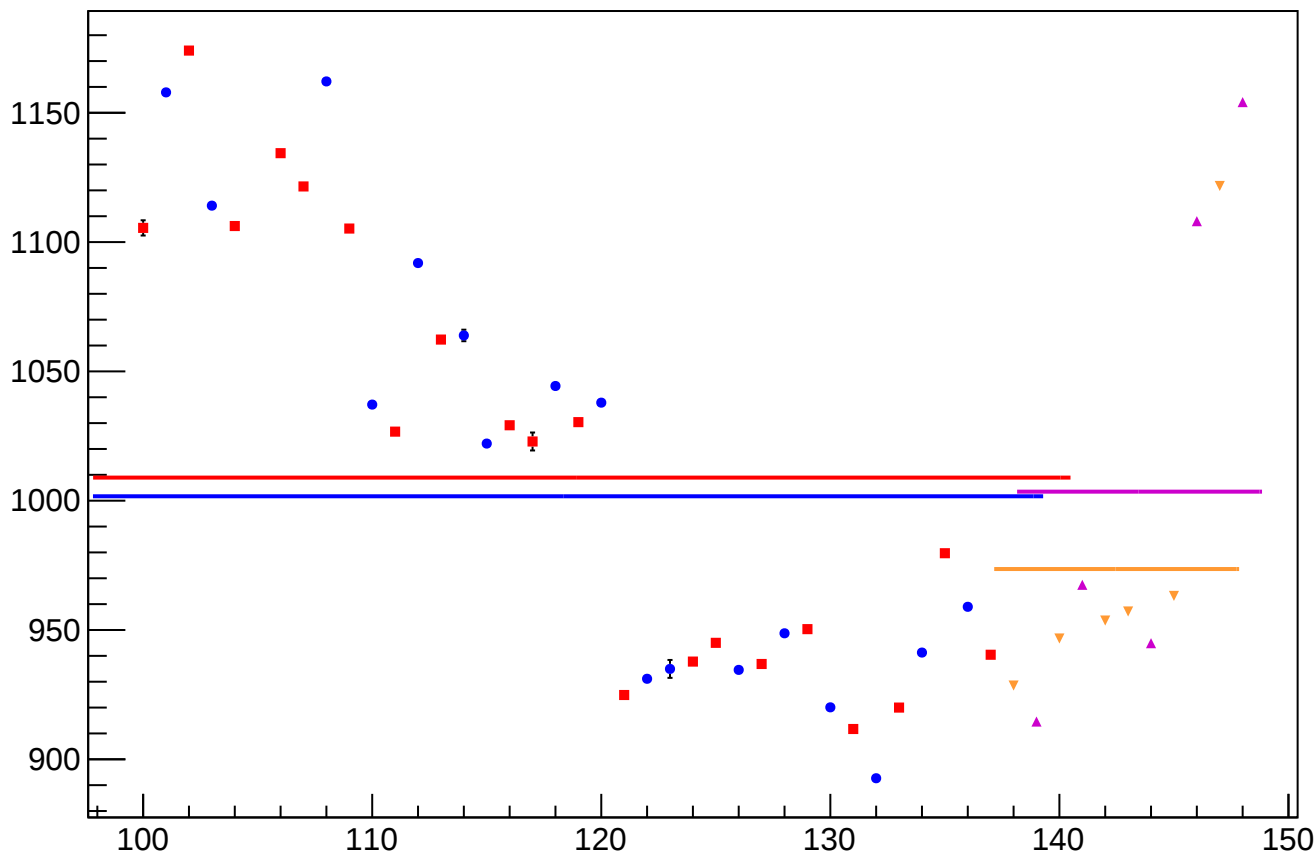
Left In: 67.710 ± 0.503 χ^2/NDF : 274.2/4

-27.687 ± 0.301 χ^2/NDF : 8776.7/22

2.764 ± 0.213 χ^2/NDF : 44609.9/47

33.464 ± 0.302 χ^2/NDF : 15230.3/24

diff_bpm2i02X_rms vs Slug, Sign Corrected



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

Left Out: 973.575 $\pm$ 0.337 χ^2/NDF : 33015.5/5

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

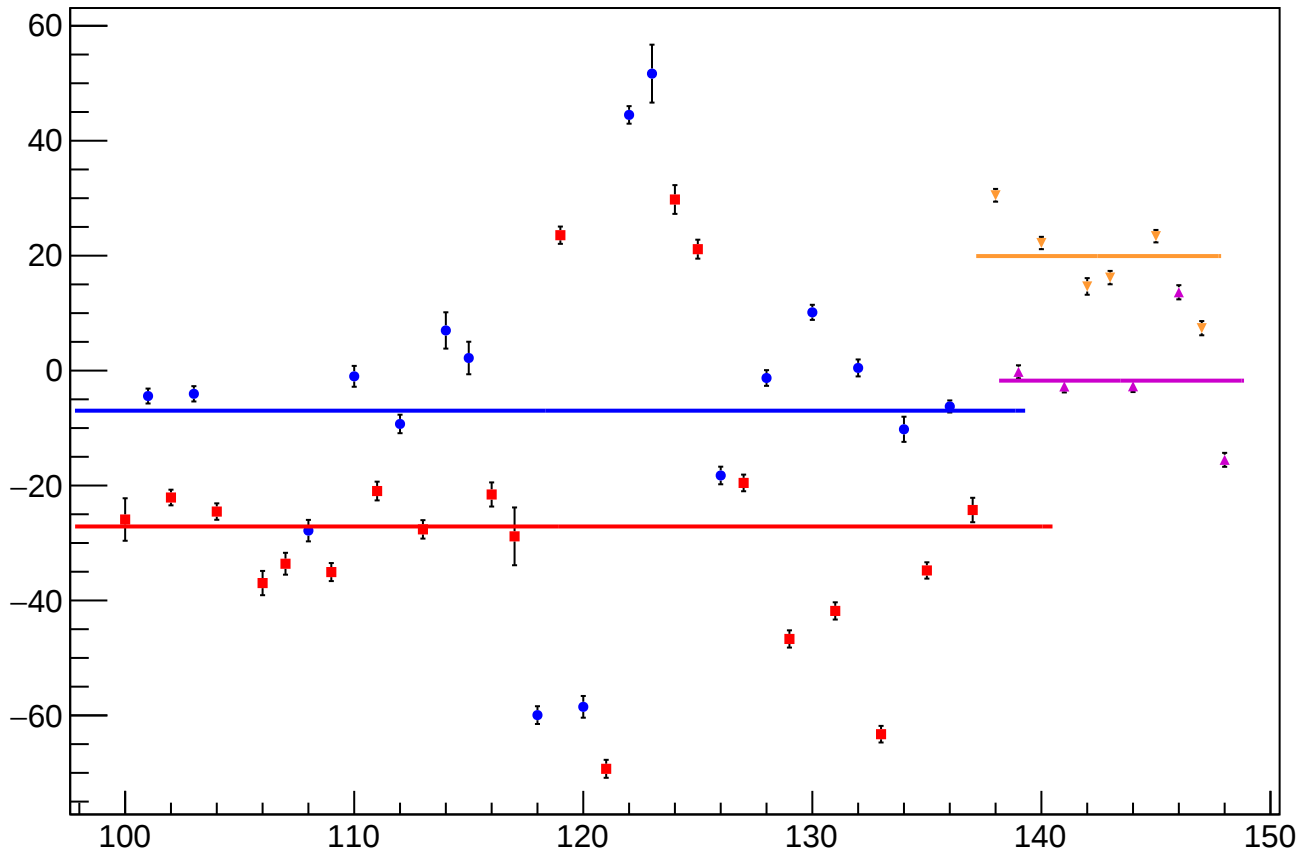
Left In: 1003.496 $\pm$ 0.356 χ^2/NDF : 63984.8/4

990.540 $\pm$ 0.213 χ^2/NDF : 132687.2/22

998.724 $\pm$ 0.151 χ^2/NDF : 295163.4/47

1006.974 $\pm$ 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: 19.930 ± 0.477 χ^2/NDF : 232.1/5

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

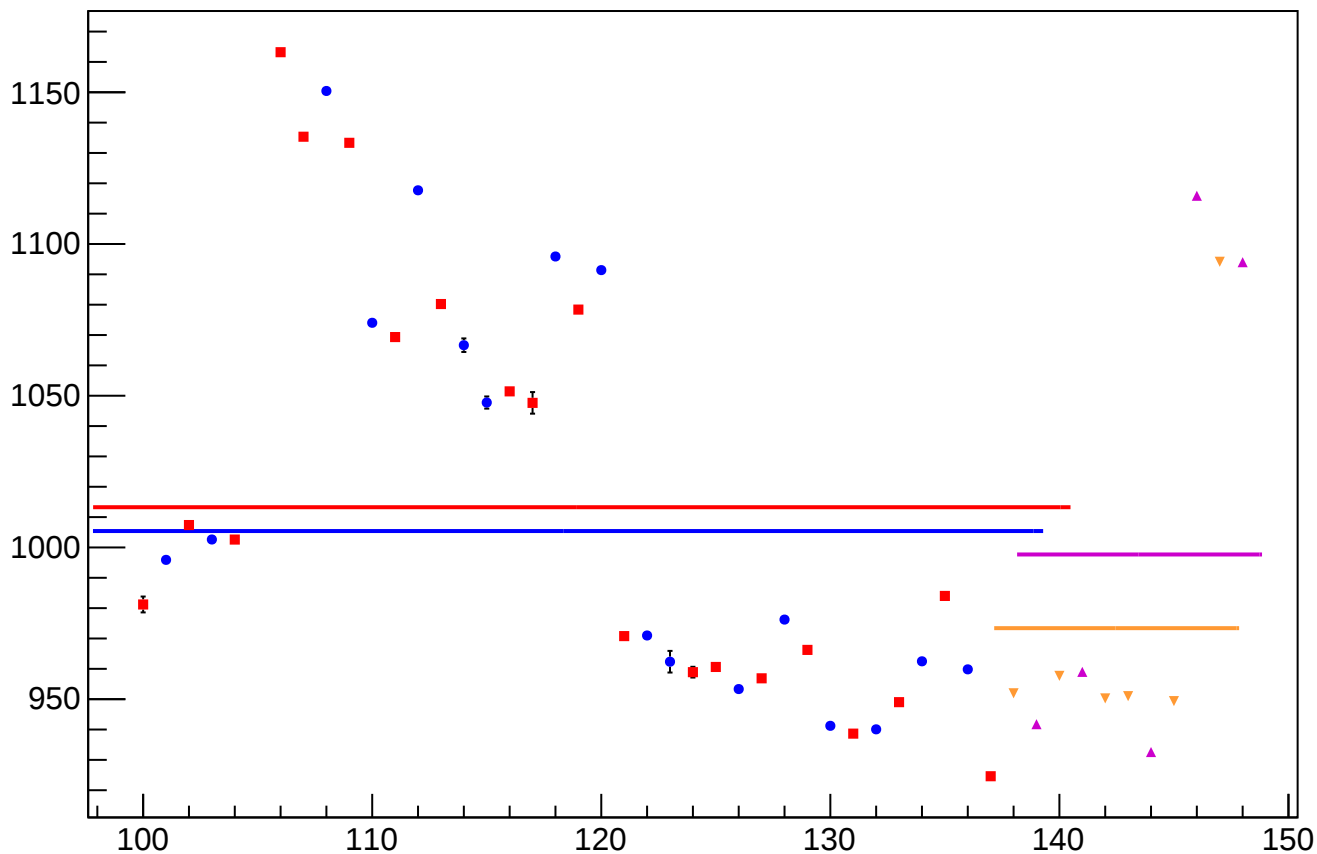
Left In: -1.747 ± 0.500 χ^2/NDF : 287.3/4

3.740 ± 0.301 χ^2/NDF : 5784.1/22

-7.038 ± 0.213 χ^2/NDF : 14566.1/47

-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: 973.405 $\pm$ 0.337 χ^2 /NDF: 22493.3/5

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

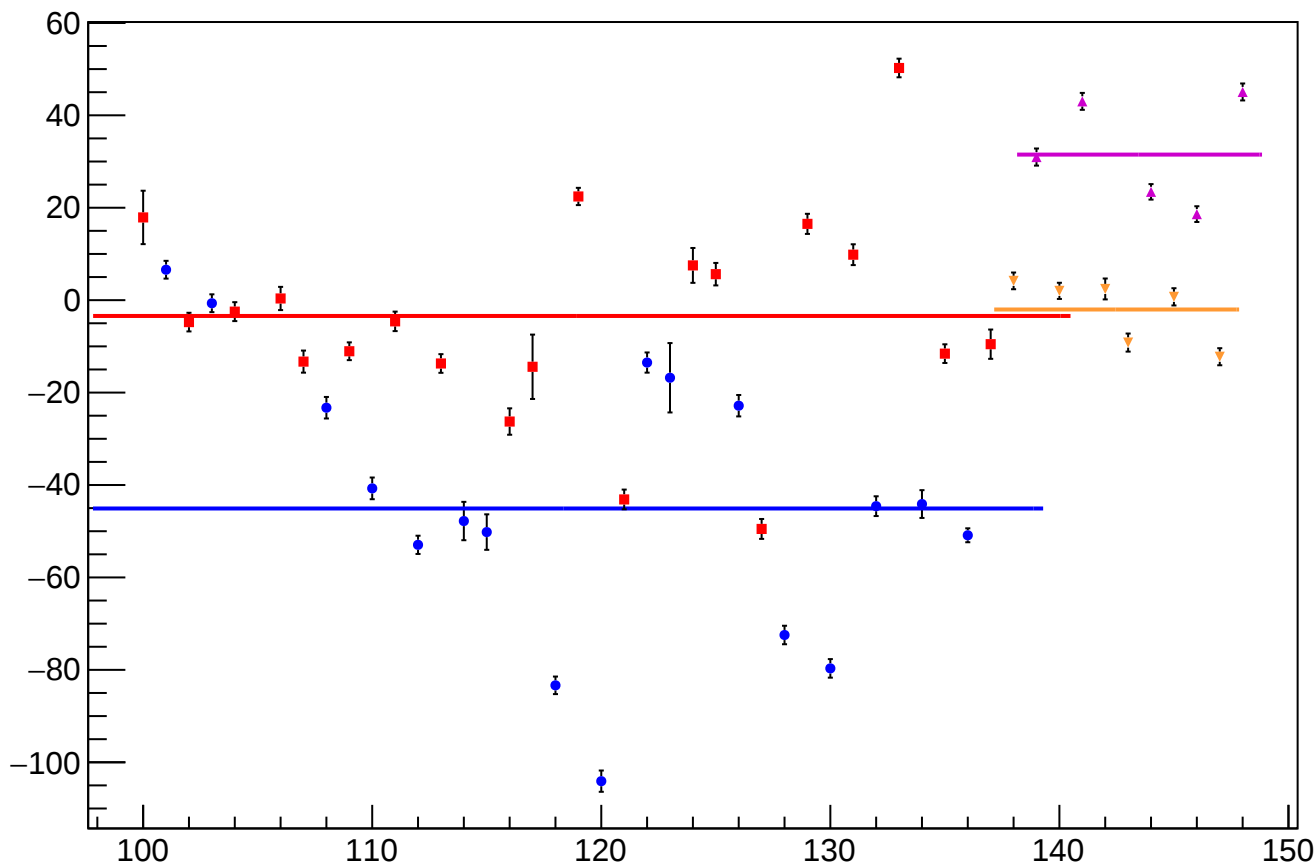
Left In: 997.687 $\pm$ 0.353 χ^2 /NDF: 46797.9/4

992.664 $\pm$ 0.213 χ^2 /NDF: 82499.4/22

1000.104 $\pm$ 0.151 χ^2 /NDF: 196342.4/47

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: -2.021+/-0.774 χ^2/NDF : 67.1/5

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

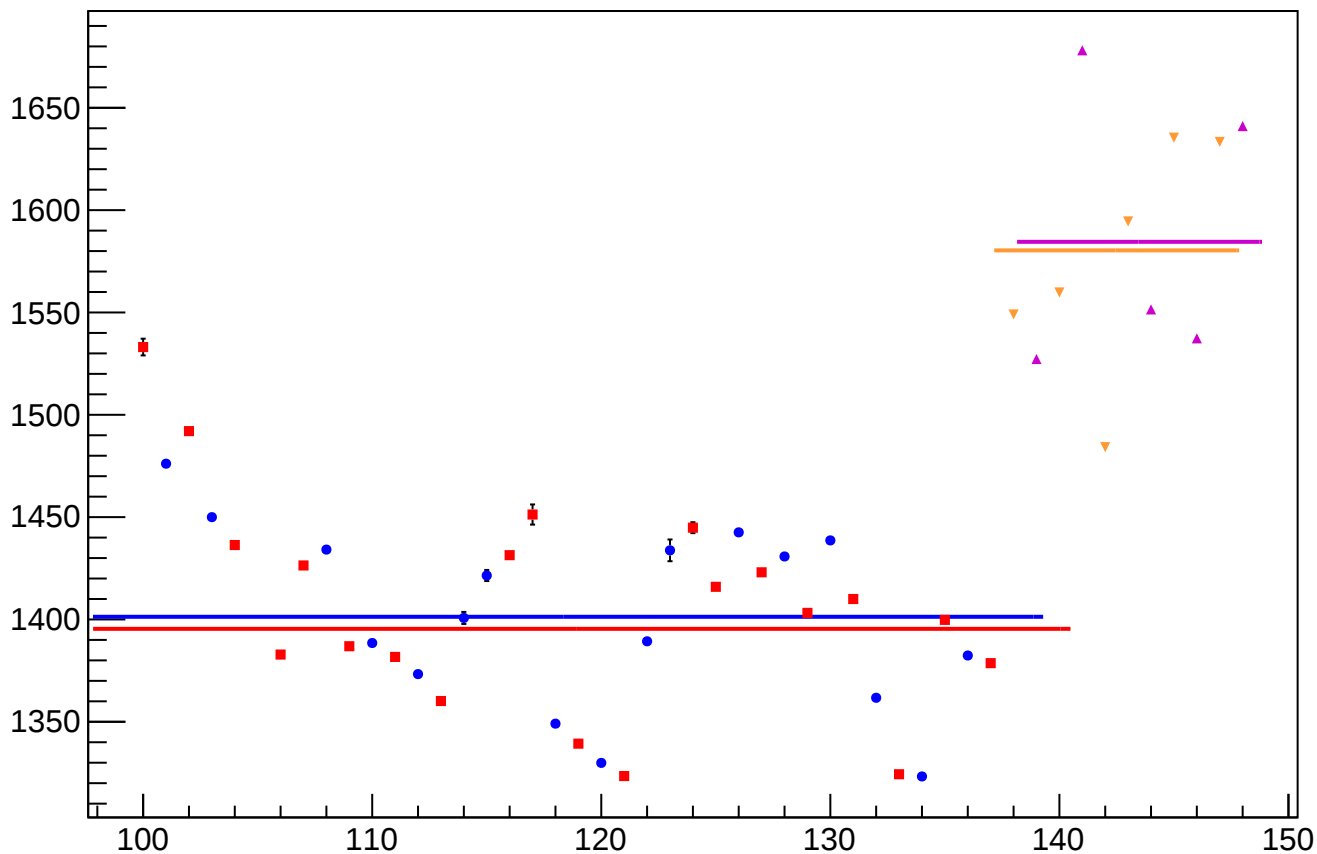
Left In: 31.499+/-0.794 χ^2/NDF : 174.5/4

-30.985+/-0.443 χ^2/NDF : 5389.1/22

-11.632+/-0.310 χ^2/NDF : 12684.8/47

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: 1580.341 ± 0.547 χ^2/NDF : 7990.3/5

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

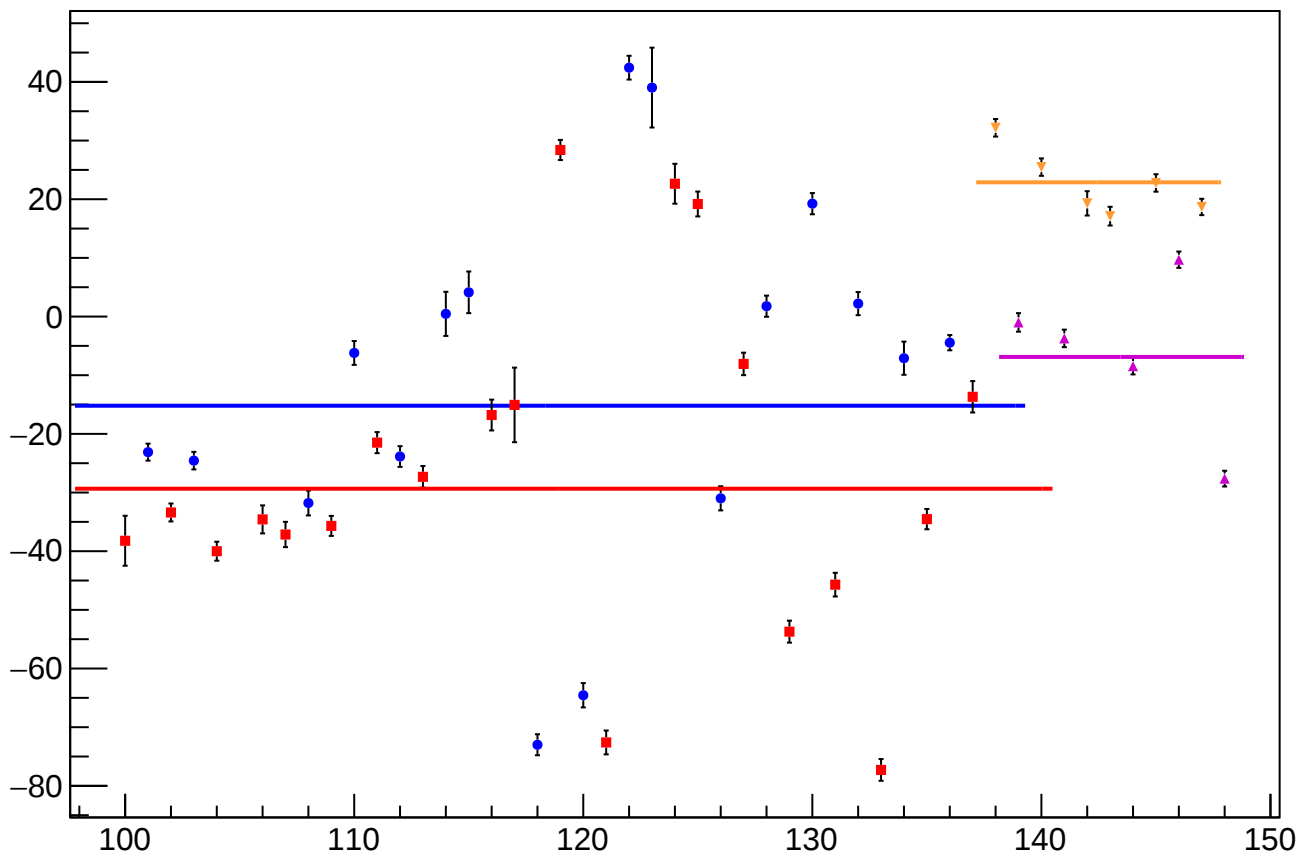
Left In: 1584.524 ± 0.561 χ^2/NDF : 11343.4/4

1459.915 ± 0.313 χ^2/NDF : 92891.4/22

1456.021 ± 0.219 χ^2/NDF : 199578.4/47

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: 22.883 $\pm$ 0.634 χ^2/NDF : 66.7/5

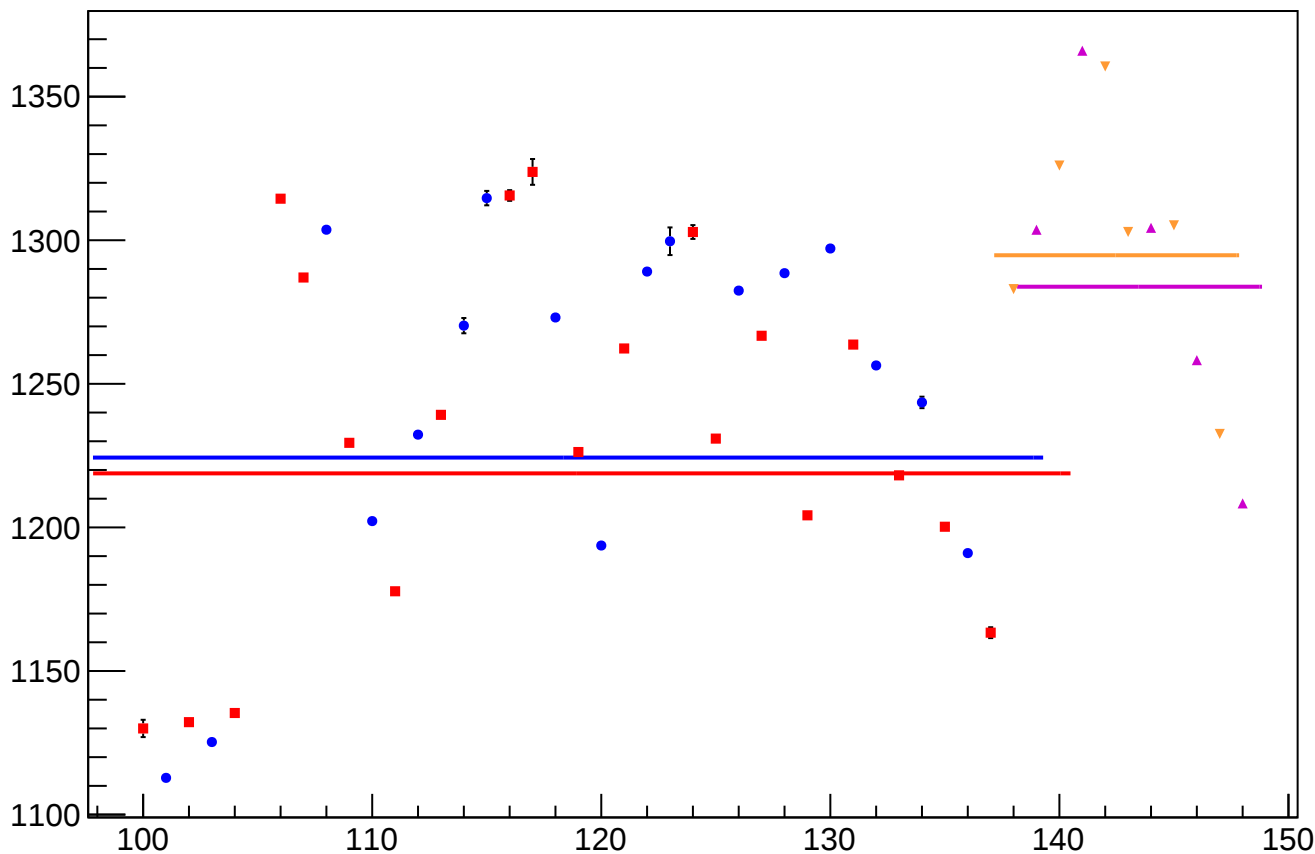
Left In: -6.883 $\pm$ 0.642 χ^2/NDF : 400.4/4

-1.609 $\pm$ 0.379 χ^2/NDF : 5751.7/22

-11.921 $\pm$ 0.265 χ^2/NDF : 11971.7/47

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

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1224.320 $\pm$ 0.334 χ^2/NDF : 38778.2/16

Left Out: 1294.771 $\pm$ 0.448 χ^2/NDF : 7160.1/5

Right Out: 1218.817 $\pm$ 0.322 χ^2/NDF : 28121.5/19

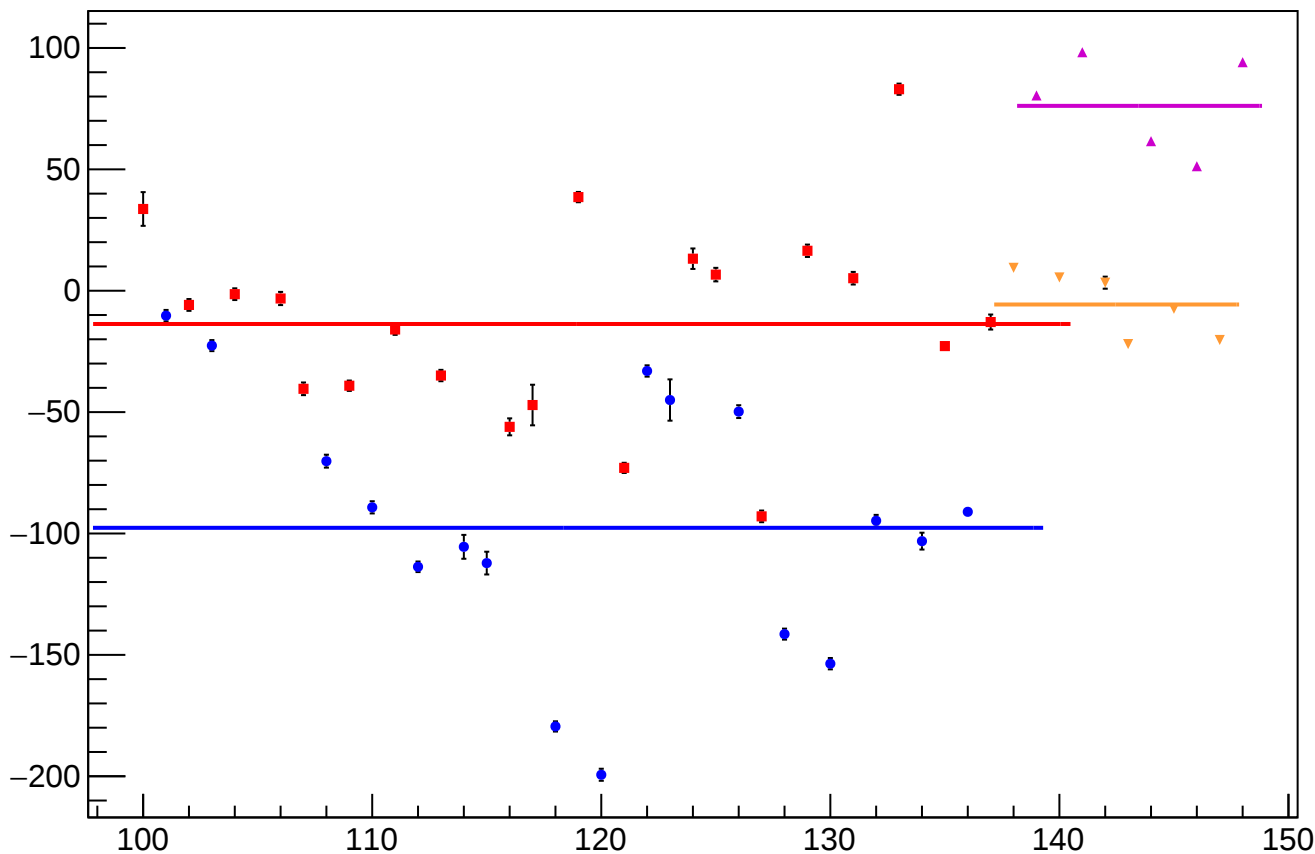
Left In: 1283.817 $\pm$ 0.454 χ^2/NDF : 13801.5/4

1249.465 $\pm$ 0.268 χ^2/NDF : 61833.7/22

1244.912 $\pm$ 0.187 χ^2/NDF : 117959.5/47

1240.534 $\pm$ 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: -5.667 ± 0.793 χ^2/NDF : 248.4/5

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

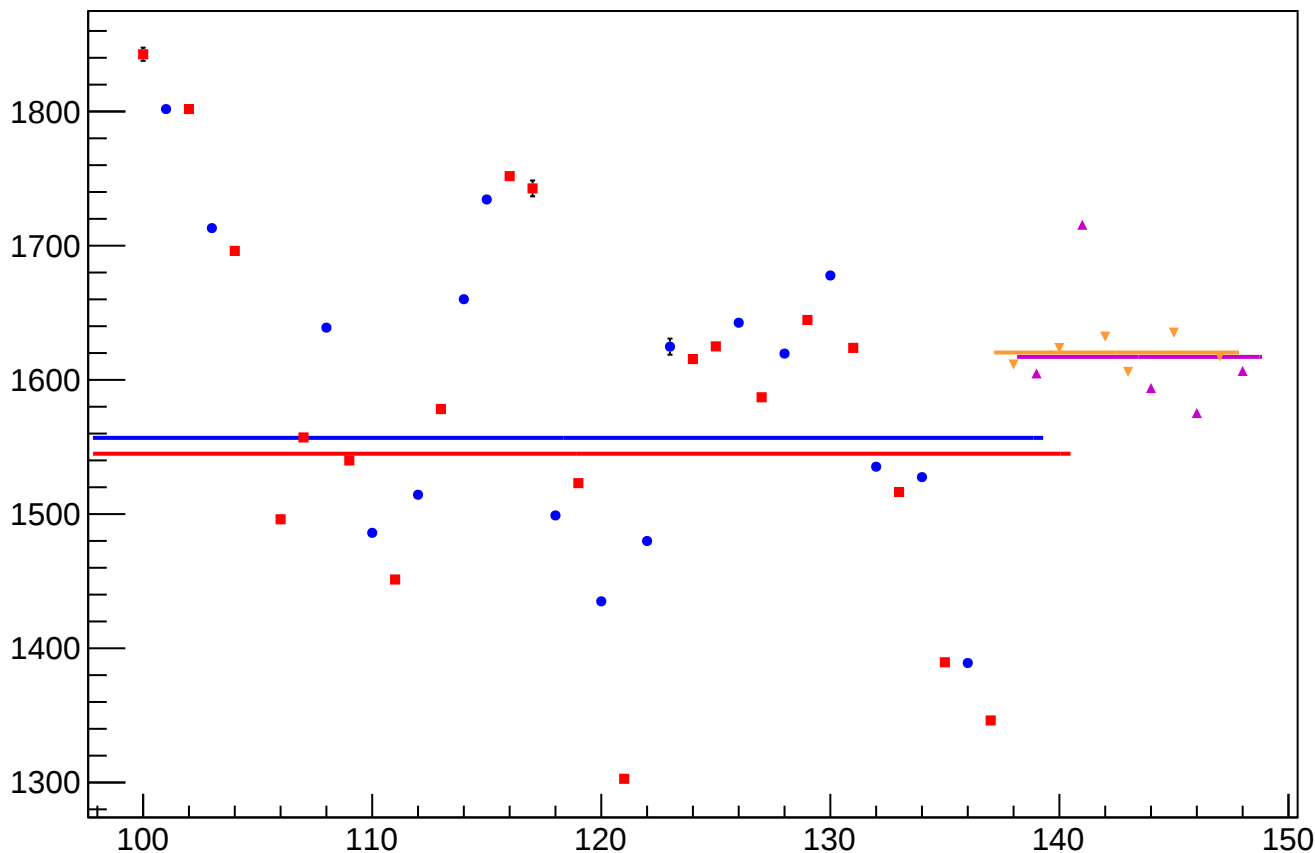
Left In: 76.157 ± 0.809 χ^2/NDF : 519.6/4

-64.059 ± 0.479 χ^2/NDF : 16732.8/22

-22.952 ± 0.336 χ^2/NDF : 45020.4/47

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: 1620.408 $\pm$ 0.561 χ^2/NDF :336.2/5

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

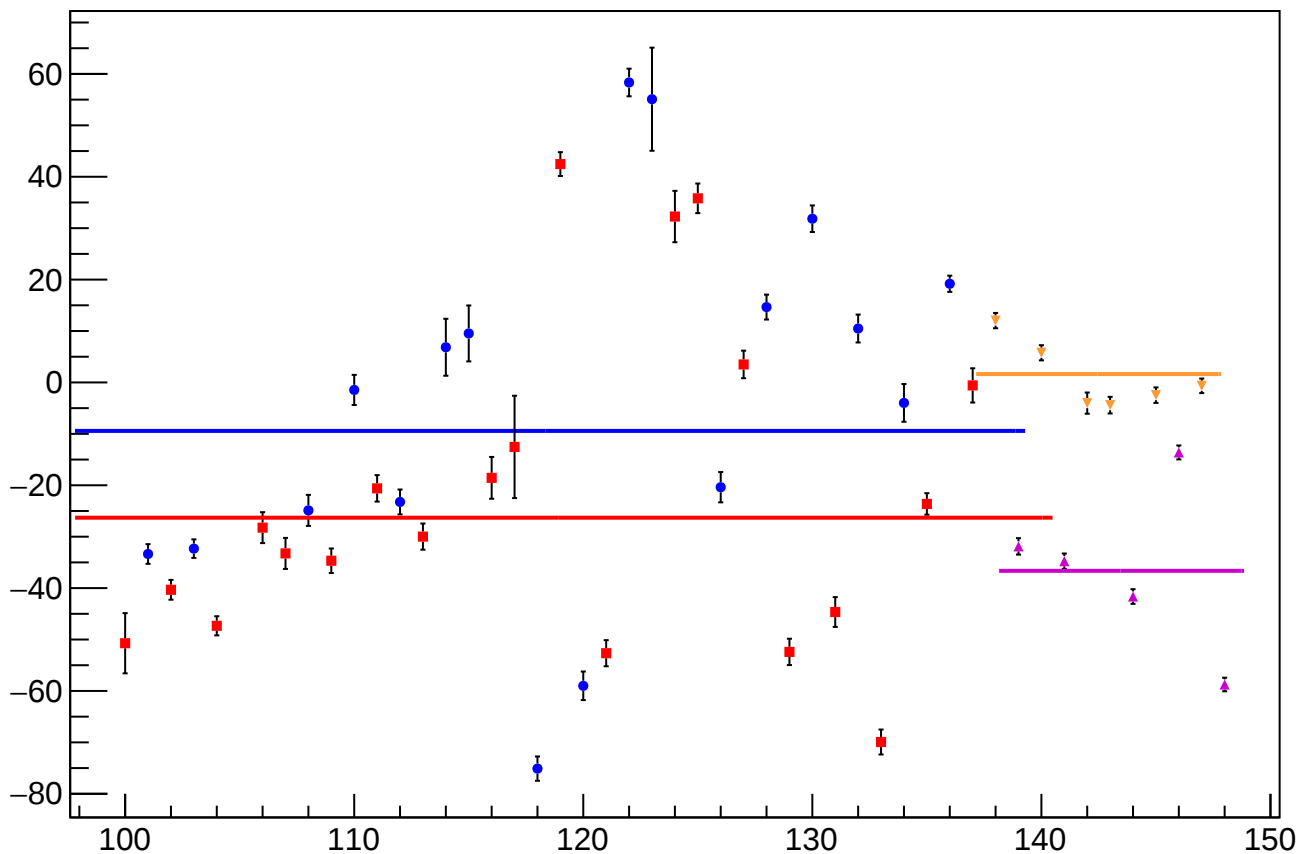
Left In: 1617.144 $\pm$ 0.572 χ^2/NDF :7185.4/4

1580.032 $\pm$ 0.339 χ^2/NDF : 90059.4/22

1574.600 $\pm$ 0.237 χ^2/NDF : 209908.0/47

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: 1.630+/-0.637 χ^2/NDF : 88.2/5

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

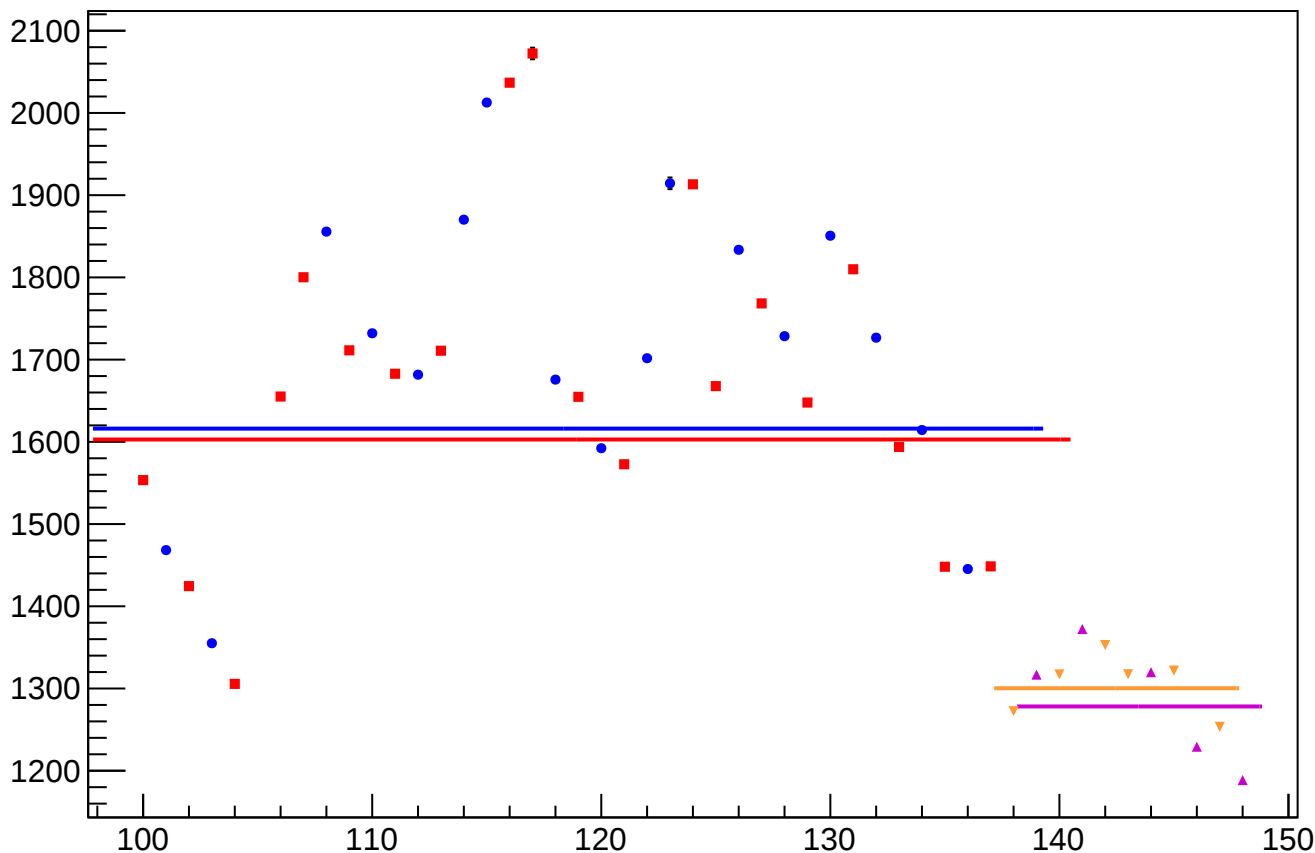
Left In: -36.642+/-0.640 χ^2/NDF : 588.0/4

-3.988+/-0.447 χ^2/NDF : 3165.6/22

-17.817+/-0.313 χ^2/NDF : 8250.3/47

-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: 1300.329 $\pm$ 0.450 χ^2 /NDF: 5081.6/5

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

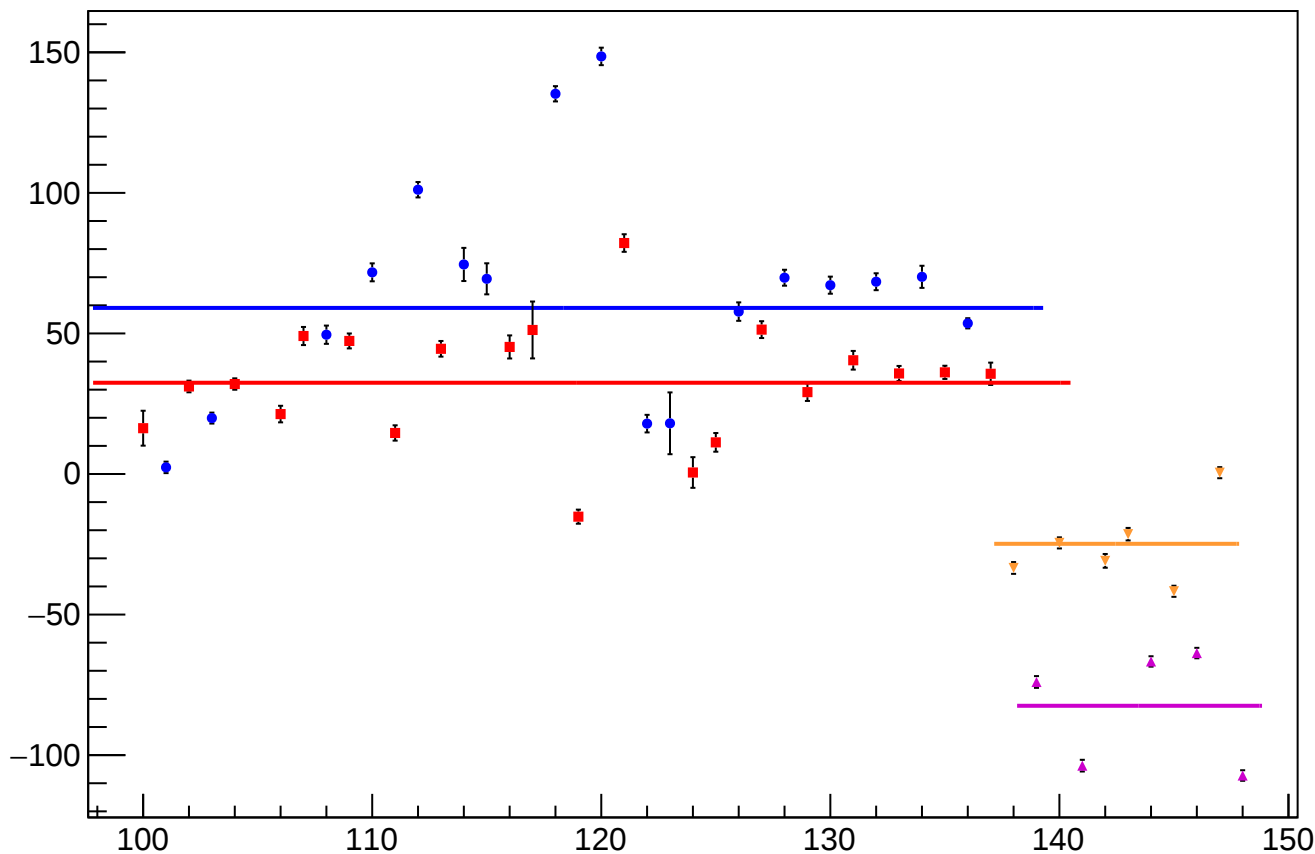
Left In: 1278.168 $\pm$ 0.453 χ^2 /NDF: 22524.5/4

1460.750 $\pm$ 0.316 χ^2 /NDF: 404658.7/22

1455.572 $\pm$ 0.221 χ^2 /NDF: 858974.5/47

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: -24.832+/-0.856 χ^2/NDF : 263.1/5

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

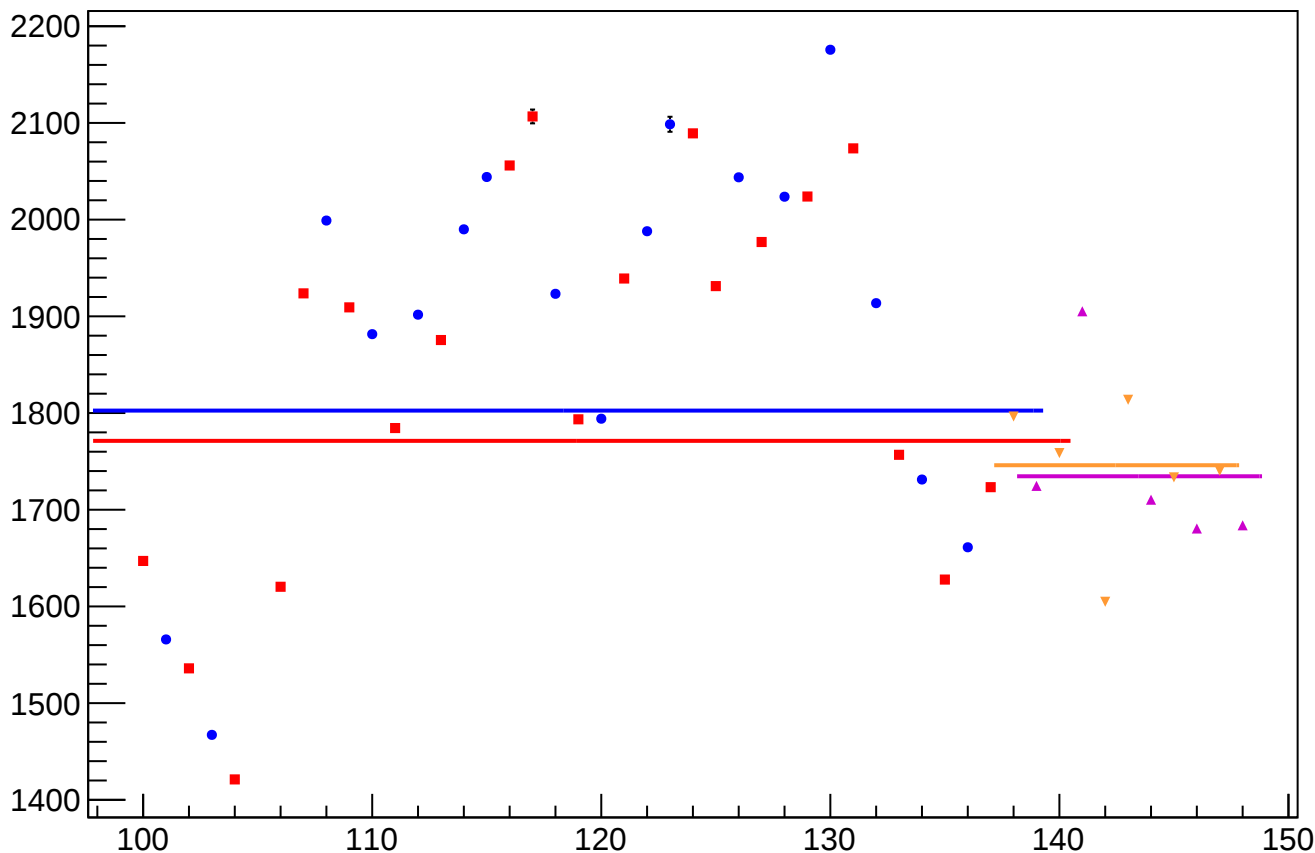
Left In: -82.447+/-0.869 χ^2/NDF : 469.8/4

25.481+/-0.542 χ^2/NDF : 9319.8/22

7.311+/-0.378 χ^2/NDF : 23904.3/47

-9.968+/-0.528 χ^2/NDF : 12388.9/24

diff_bpm0i05X_rms vs Slug, Sign Corrected



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

Left Out: 1746.019 $\pm$ 0.605 χ^2/NDF : 9831.9/5

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

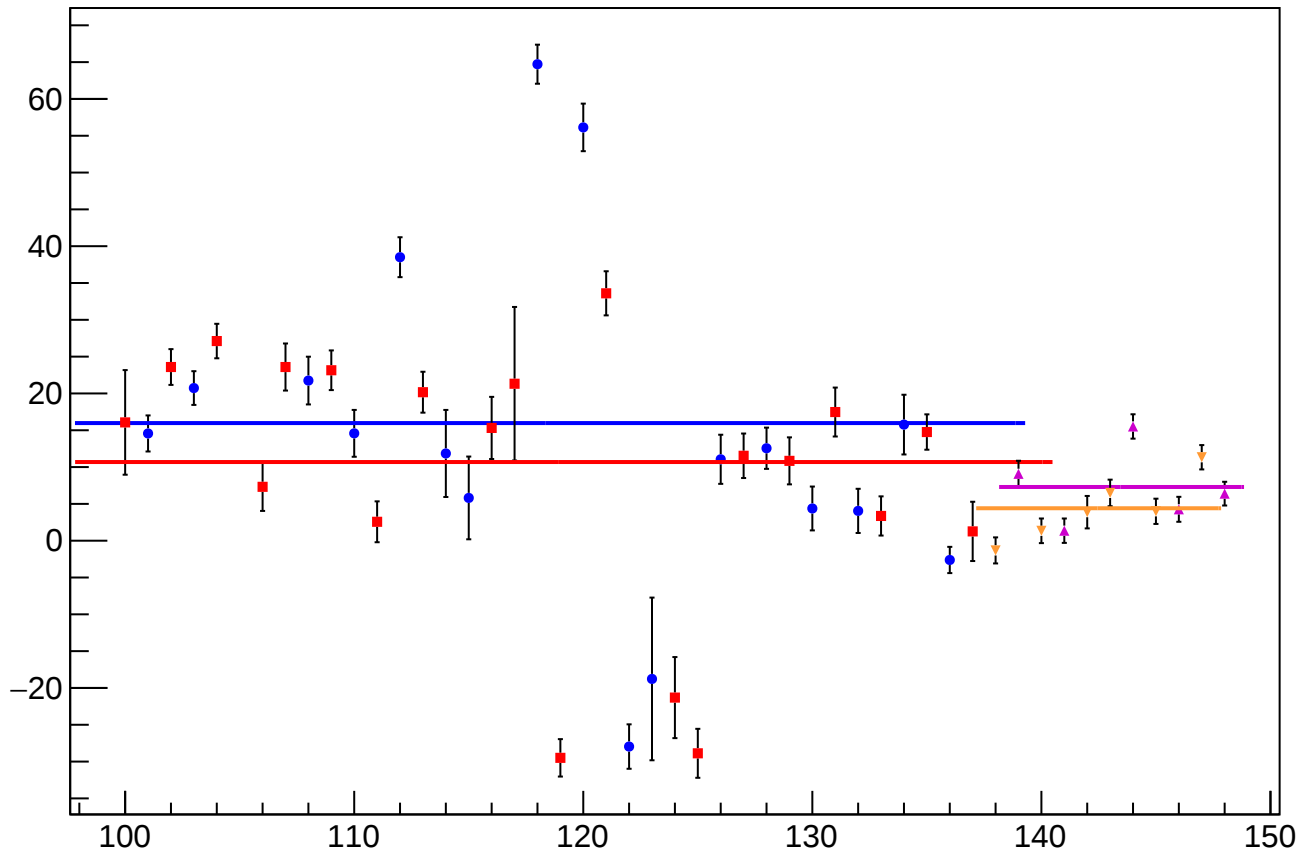
Left In: 1734.606 $\pm$ 0.615 χ^2/NDF : 16947.0/4

1779.898 $\pm$ 0.383 χ^2/NDF : 199127.1/22

1768.523 $\pm$ 0.267 χ^2/NDF : 400136.3/47

1757.705 $\pm$ 0.373 χ^2/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: 4.407 $\pm$ 0.726 χ^2/NDF : 32.8/5

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

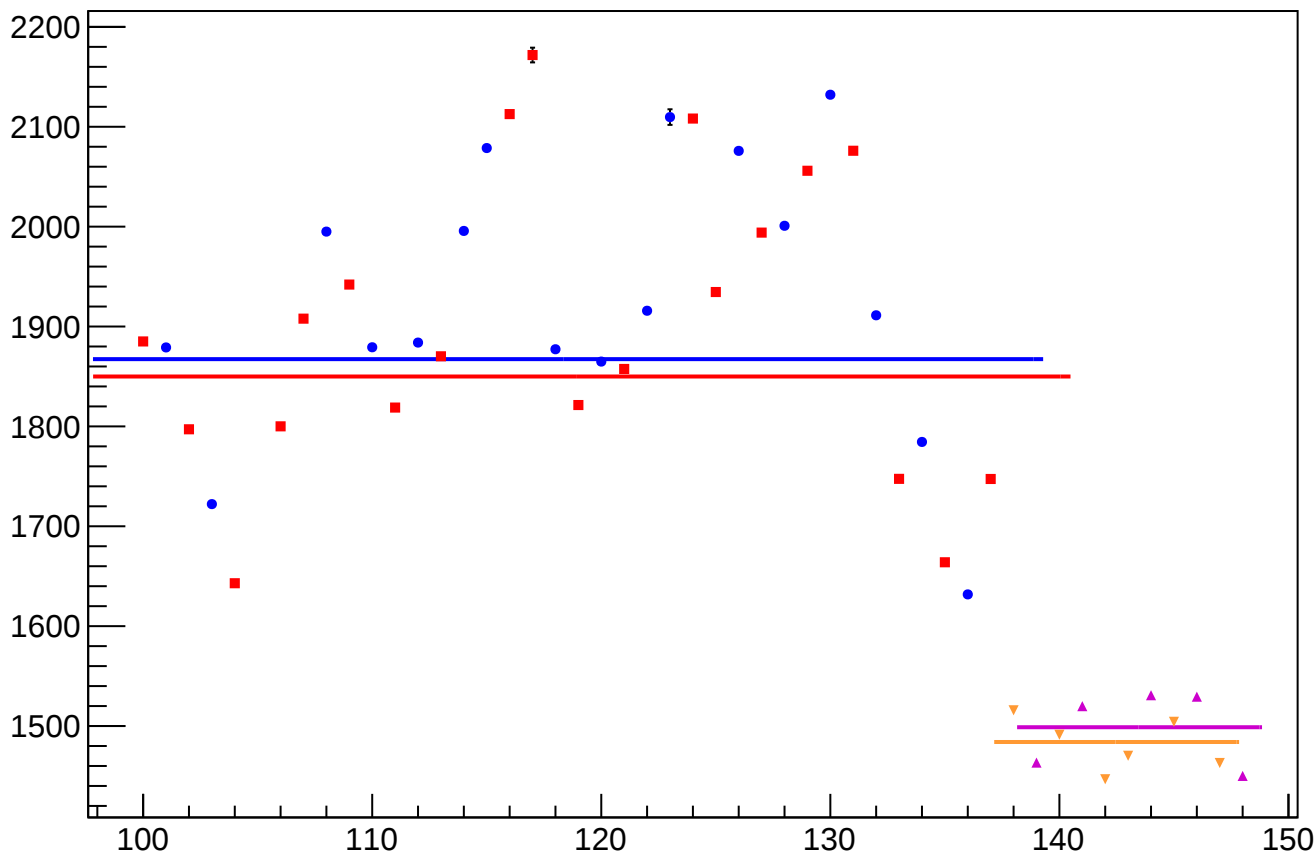
Left In: 7.296 $\pm$ 0.749 χ^2/NDF : 42.0/4

10.227 $\pm$ 0.512 χ^2/NDF : 1098.9/22

9.673 $\pm$ 0.361 χ^2/NDF : 1797.5/47

9.125 $\pm$ 0.508 χ^2/NDF : 696.2/24

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1867.343 ± 0.510 $\chi^2/\text{NDF}: 80926.4/16$

Left Out: 1484.018 ± 0.513 $\chi^2/\text{NDF}: 1972.1/5$

Right Out: 1849.954 ± 0.489 $\chi^2/\text{NDF}: 74440.9/19$

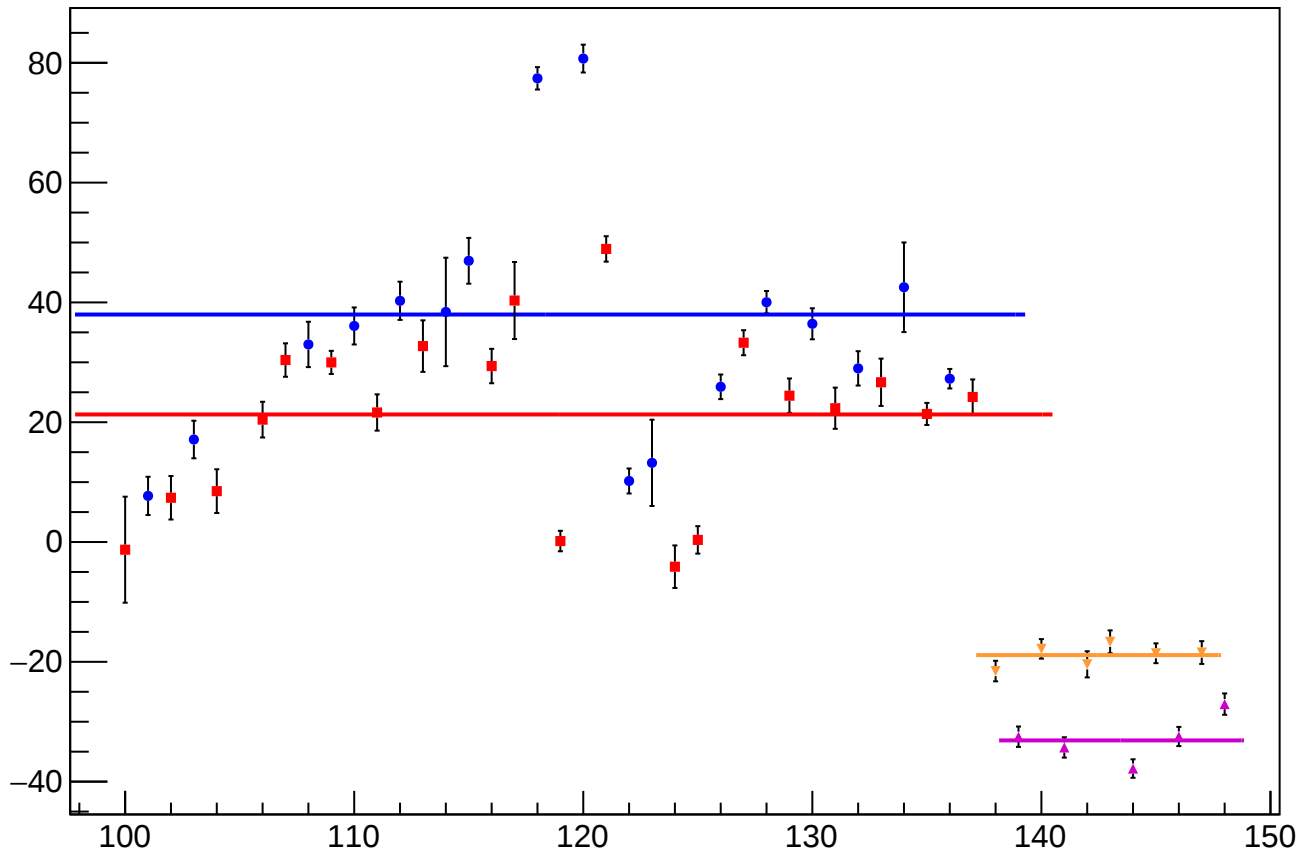
Left In: 1498.796 ± 0.530 $\chi^2/\text{NDF}: 4352.8/4$

1676.874 ± 0.362 $\chi^2/\text{NDF}: 363311.6/22$

1682.669 ± 0.255 $\chi^2/\text{NDF}: 679701.9/47$

1688.385 ± 0.359 $\chi^2/\text{NDF}: 315881.1/24$

diff_bpm0i07X_mean vs Slug, Sign Corrected



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

Left Out: -18.876±0.737 χ^2/NDF : 4.8/5

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

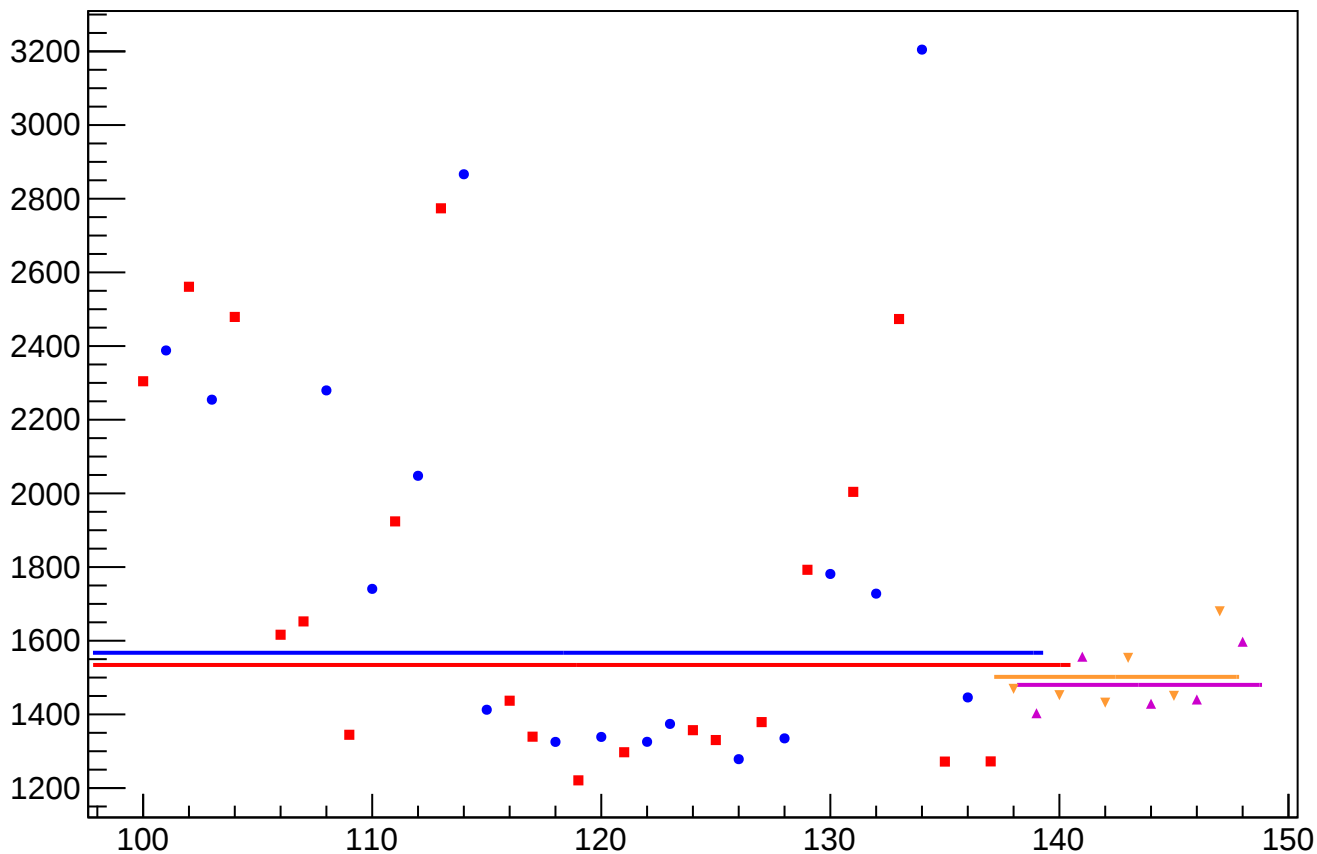
Left In: -33.119±0.742 χ^2/NDF : 21.6/4

13.636±0.482 χ^2/NDF : 4615.9/22

6.396±0.336 χ^2/NDF : 8887.3/47

-0.465±0.469 χ^2/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: 1501.915 $\pm$ 0.521 χ^2/NDF : 25569.0/5

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

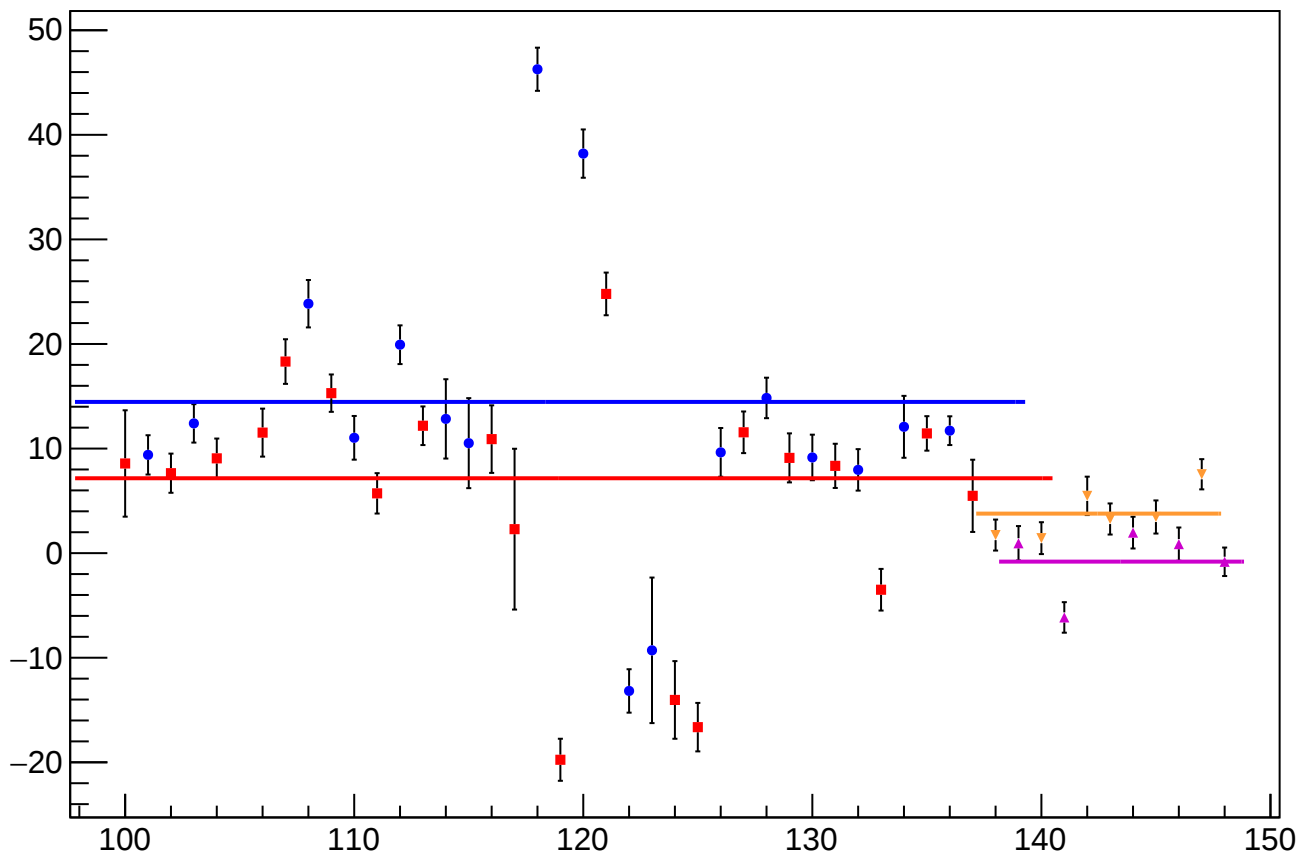
Left In: 1480.143 $\pm$ 0.525 χ^2/NDF : 20225.0/4

1539.322 $\pm$ 0.341 χ^2/NDF : 708039.3/22

1525.600 $\pm$ 0.238 χ^2/NDF : 1621746.3/47

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

diff_bpm0i07Y_mean vs Slug, Sign Corrected



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

Left Out: 3.780 $\pm$ 0.631 χ^2 /NDF: 12.1/5

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

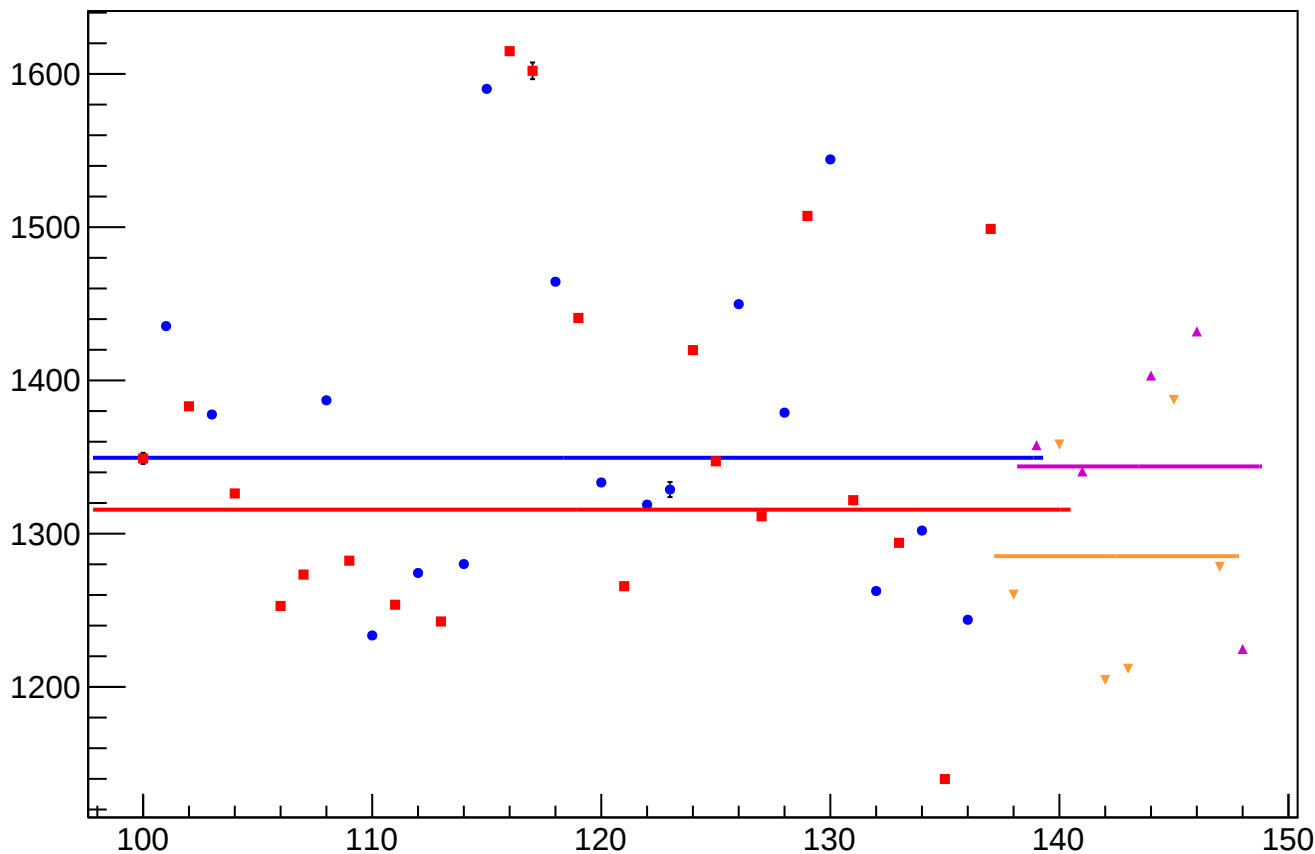
Left In: -0.811 $\pm$ 0.673 χ^2 /NDF: 18.9/4

10.108 $\pm$ 0.403 χ^2 /NDF: 777.8/22

7.207 $\pm$ 0.283 χ^2 /NDF: 1486.6/47

4.375 $\pm$ 0.398 χ^2 /NDF: 606.2/24

diff_bpm0i07Y_rms vs Slug, Sign Corrected



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

Left Out: 1285.333 $\pm$ 0.446 χ^2/NDF : 22240.0/5

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

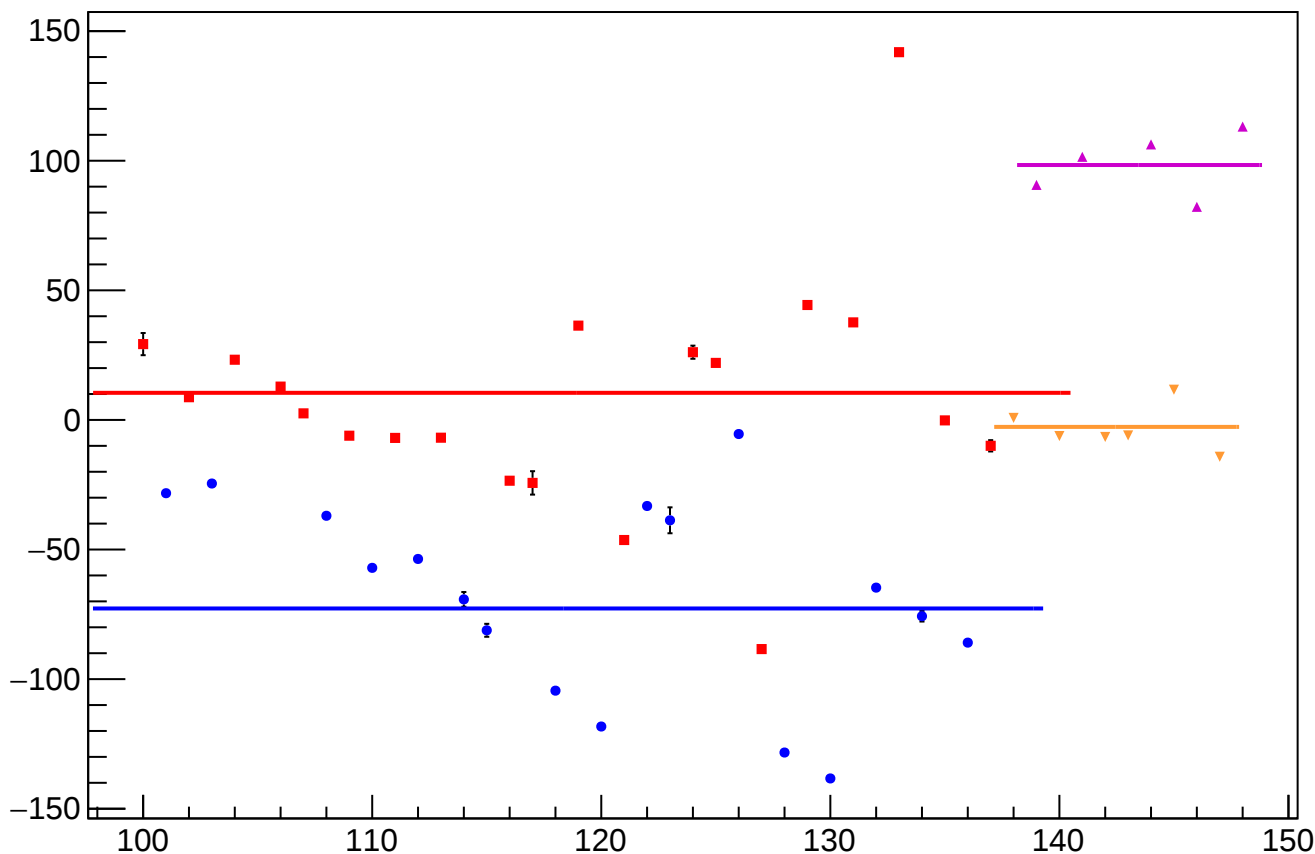
Left In: 1343.868 $\pm$ 0.476 χ^2/NDF : 24655.9/4

1323.364 $\pm$ 0.285 χ^2/NDF : 99174.6/22

1324.457 $\pm$ 0.200 χ^2/NDF : 209882.1/47

1325.524 $\pm$ 0.281 χ^2/NDF : 110678.4/24

diff_bpm1i02X_mean vs Slug, Sign Corrected



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

Left Out: -2.686 ± 0.464 $\chi^2/\text{NDF}: 313.3/5$

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

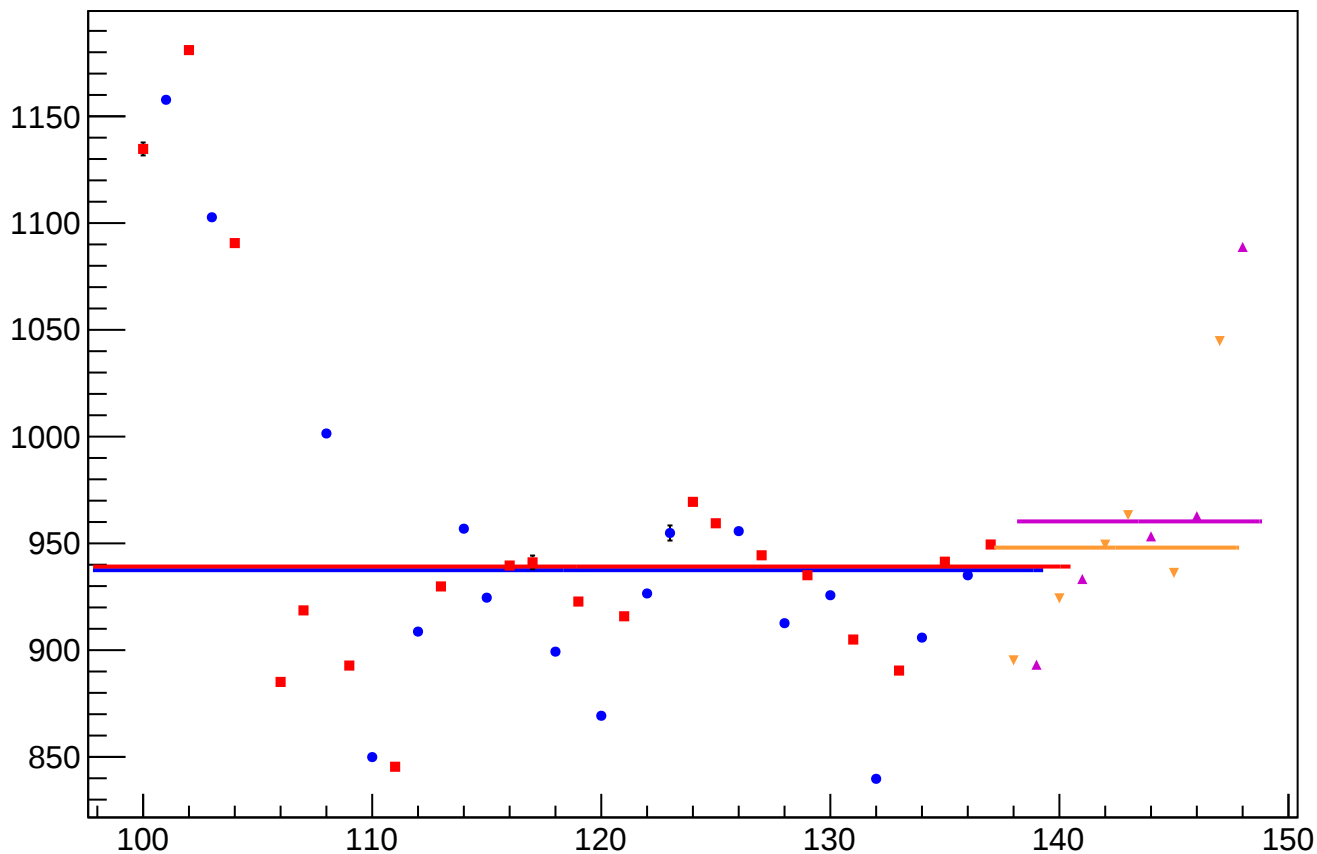
Left In: 98.347 ± 0.481 $\chi^2/\text{NDF}: 498.6/4$

-46.222 ± 0.286 $\chi^2/\text{NDF}: 26152.8/22$

-2.262 ± 0.201 $\chi^2/\text{NDF}: 113706.0/47$

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

diff_bpm1i02X_rms vs Slug, Sign Corrected



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

Left Out: 948.018 +/- 0.328 χ^2/NDF : 20161.8/5

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

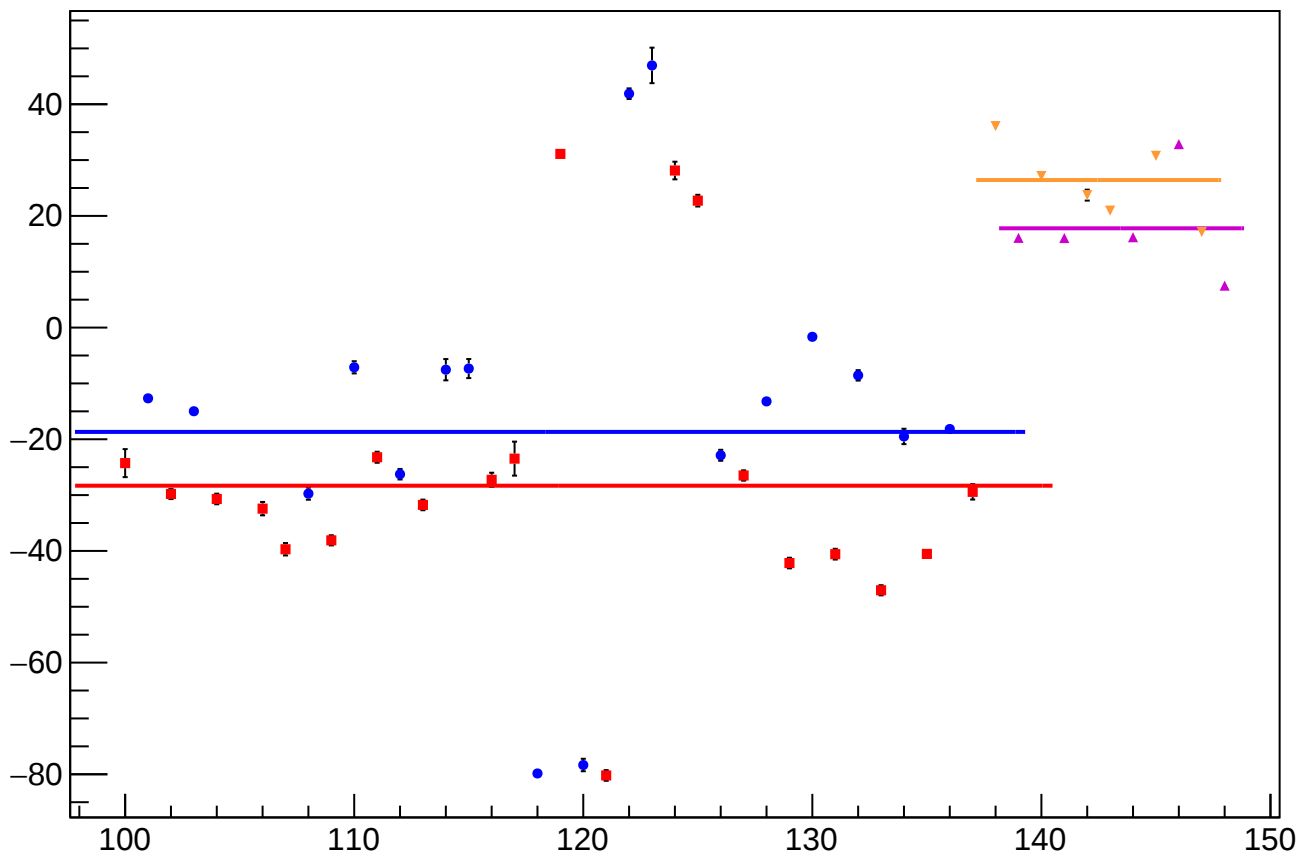
Left In: 960.290 +/- 0.340 χ^2/NDF : 31788.5/4

941.453 +/- 0.202 χ^2/NDF : 119113.0/22

944.001 +/- 0.142 χ^2/NDF : 243993.1/47

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: 26.423+/-0.318 χ^2/NDF : 405.9/5

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

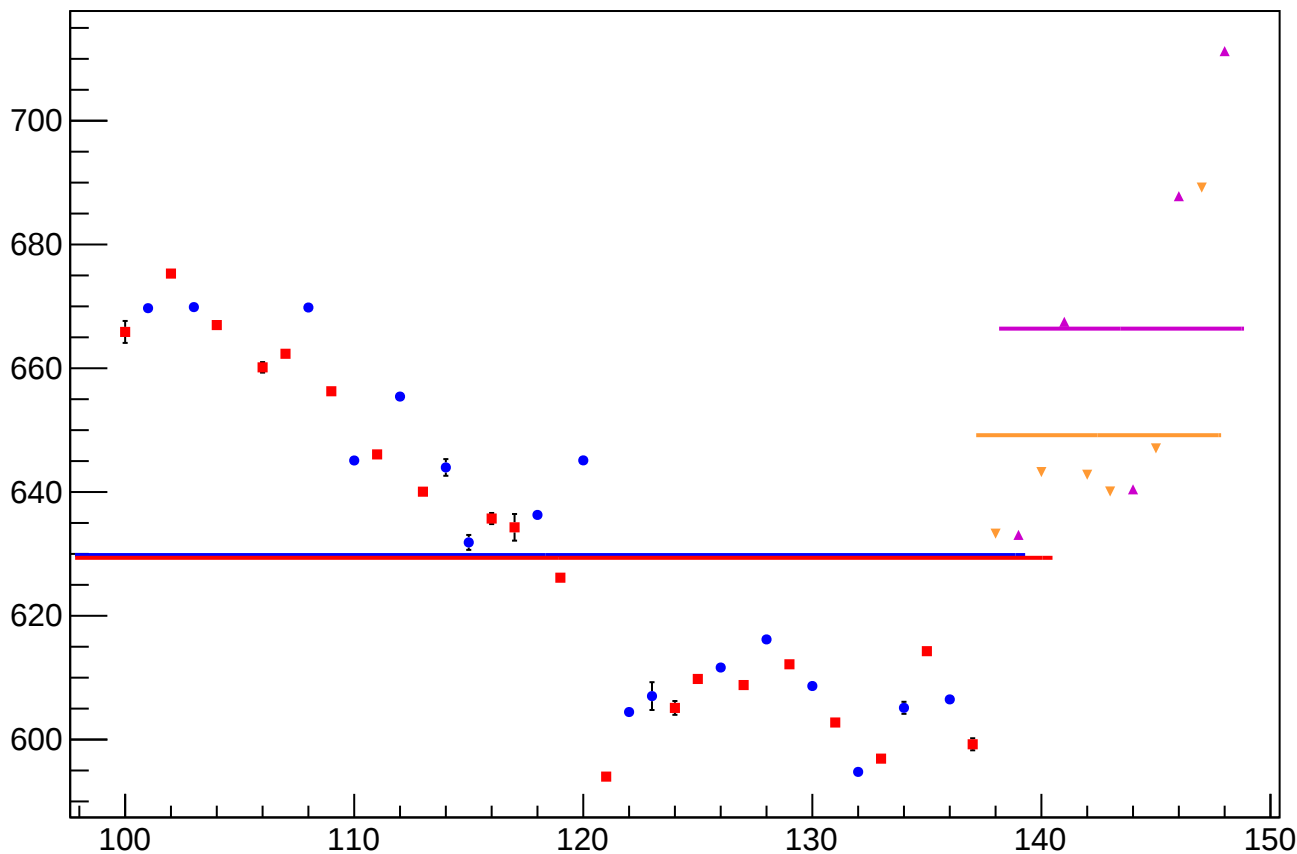
Left In: 17.782+/-0.333 χ^2/NDF : 577.4/4

-2.057+/-0.193 χ^2/NDF : 26148.1/22

-7.562+/-0.136 χ^2/NDF : 53660.4/47

-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: 649.183 $\pm$ 0.225 χ^2/NDF : 6719.2/5

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

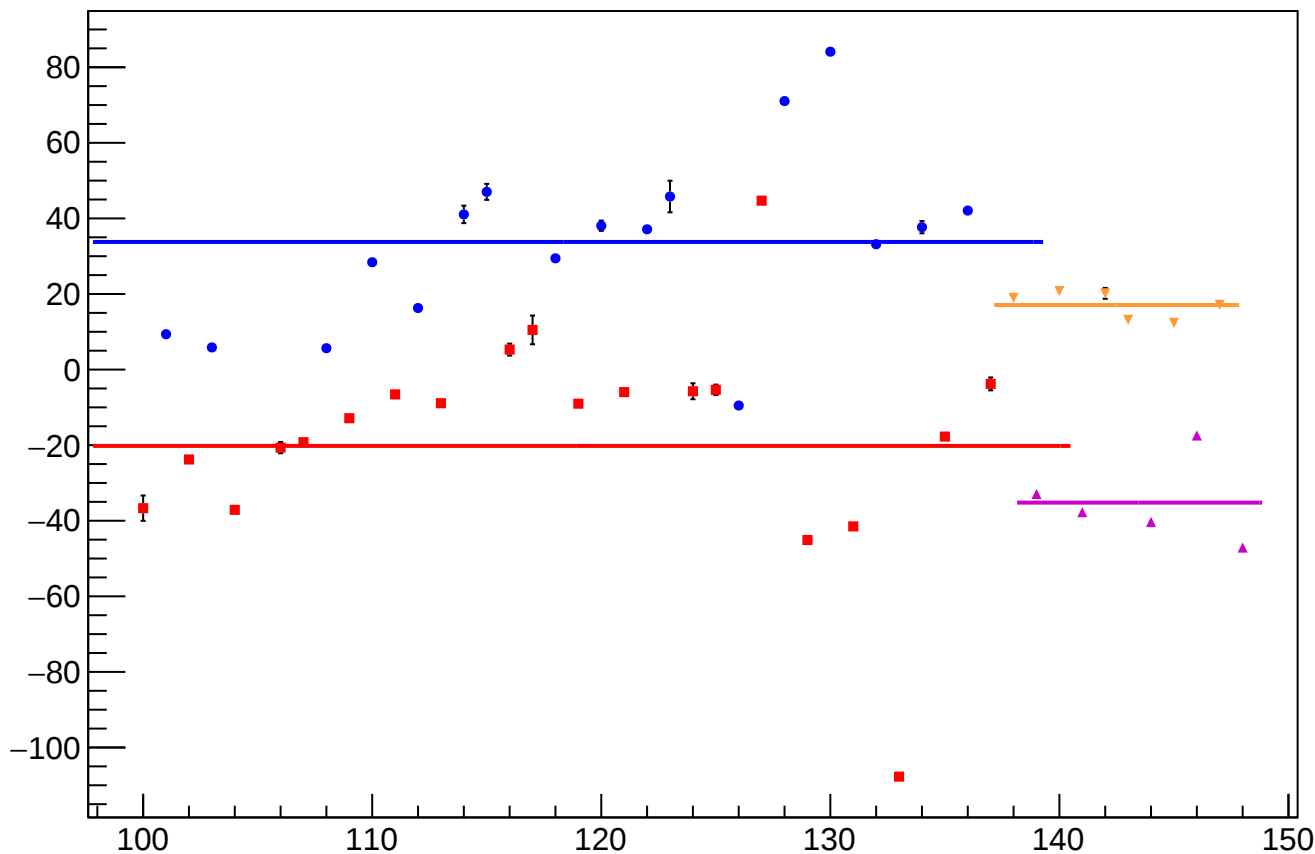
Left In: 666.403 $\pm$ 0.235 χ^2/NDF : 14636.2/4

636.954 $\pm$ 0.136 χ^2/NDF : 34714.3/22

639.321 $\pm$ 0.096 χ^2/NDF : 92018.1/47

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: 17.087+/-0.485 χ^2/NDF : 45.6/5

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

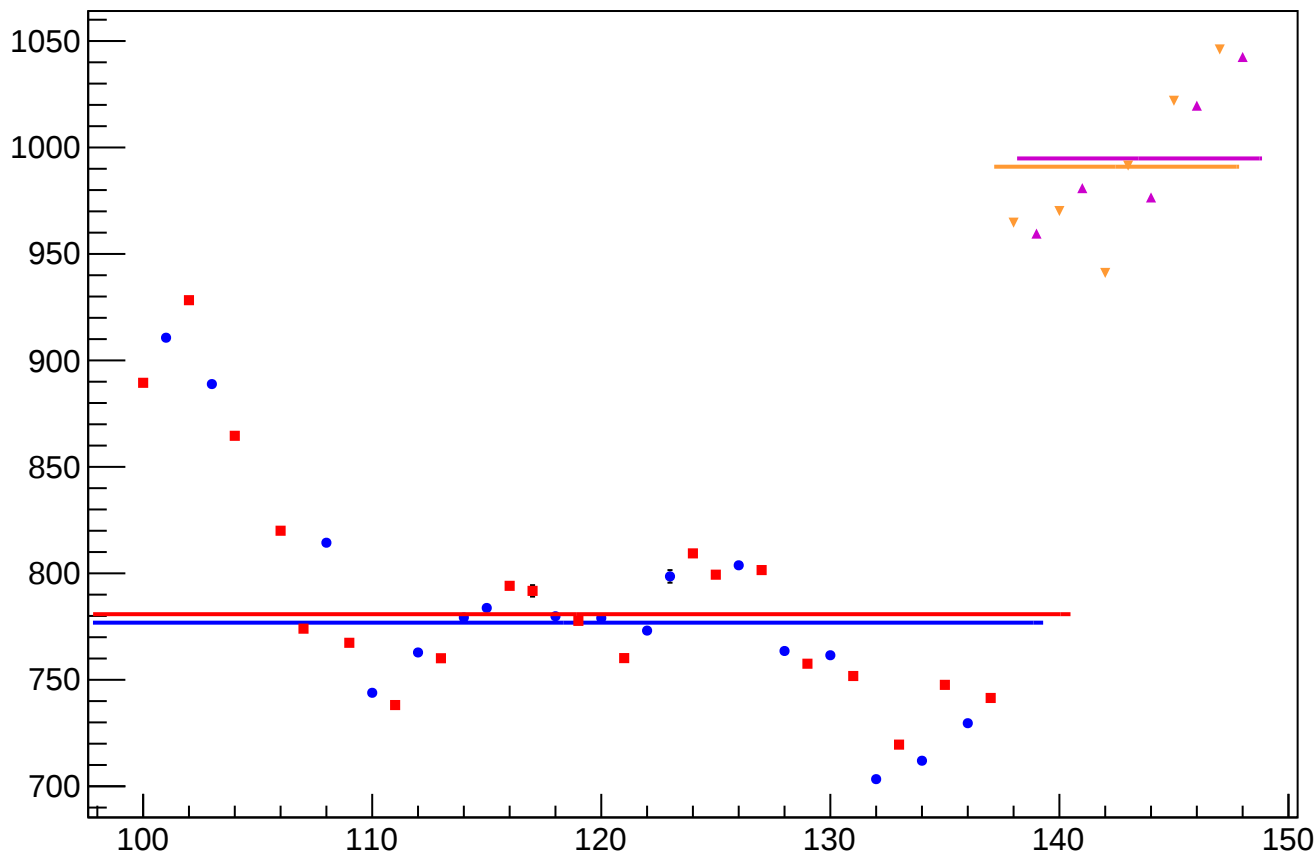
Left In: -35.206+/-0.497 χ^2/NDF : 385.3/4

29.158+/-0.255 χ^2/NDF : 7389.6/22

2.197+/-0.179 χ^2/NDF : 41847.7/47

-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: 990.974 $\pm$ 0.343 χ^2/NDF : 9997.6/5

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

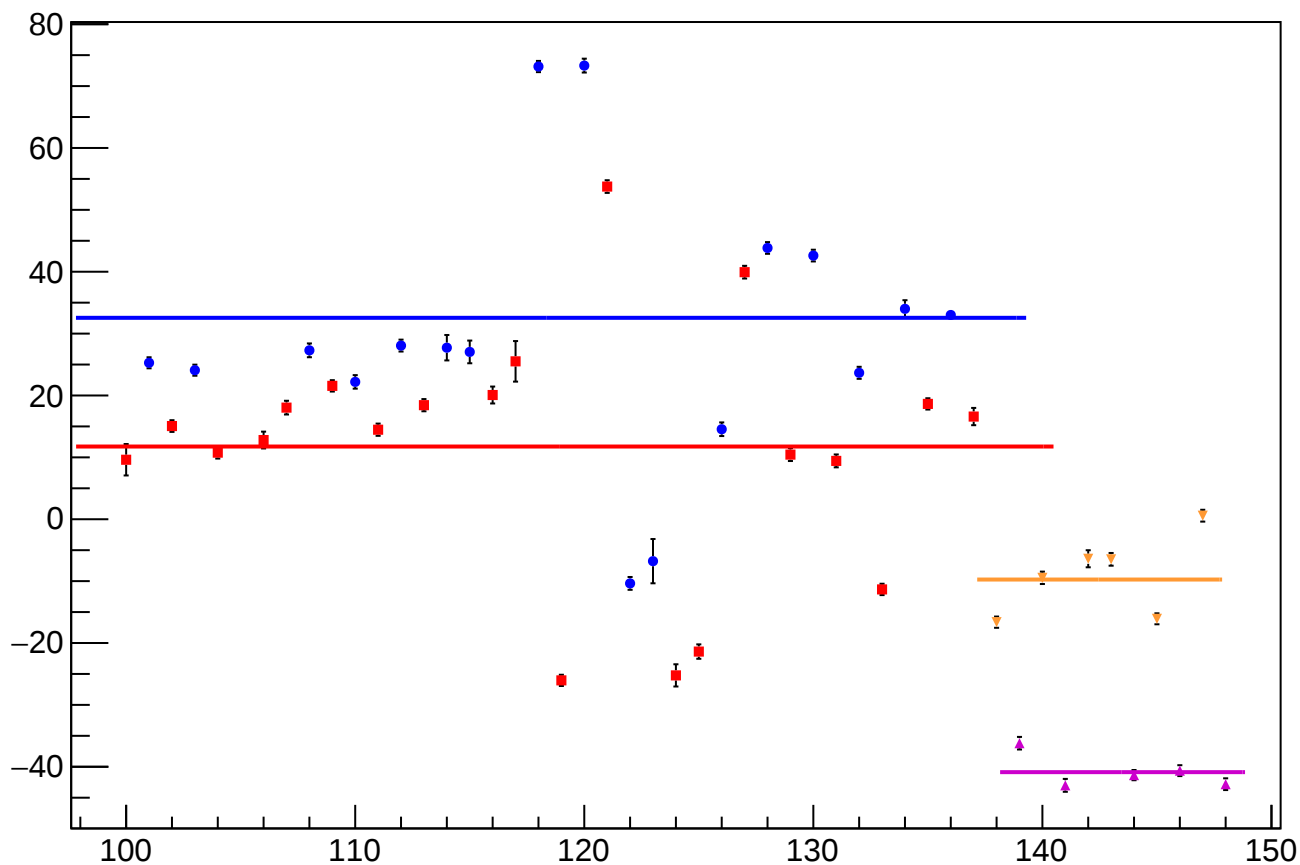
Left In: 994.853 $\pm$ 0.352 χ^2/NDF : 7117.9/4

836.057 $\pm$ 0.180 χ^2/NDF : 359481.4/22

835.815 $\pm$ 0.127 χ^2/NDF : 699606.8/47

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: -9.744+/-0.407 χ^2 /NDF:240.7/5

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

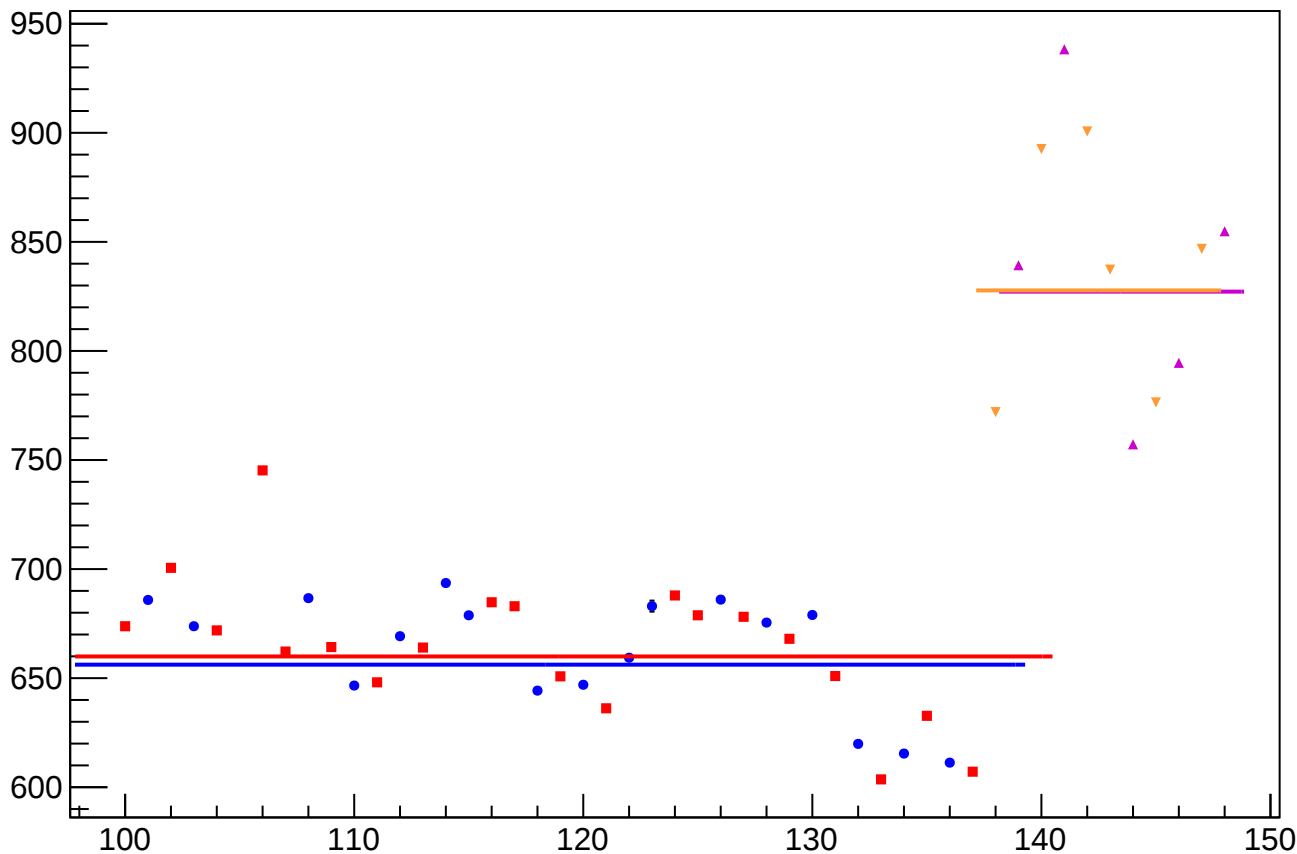
Left In: -40.870+/-0.417 χ^2 /NDF:29.9/4

20.770+/-0.215 χ^2 /NDF: 14107.3/22

9.316+/-0.151 χ^2 /NDF: 37931.1/47

-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: 827.756+/-0.288 χ^2/NDF : 29137.1/5

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

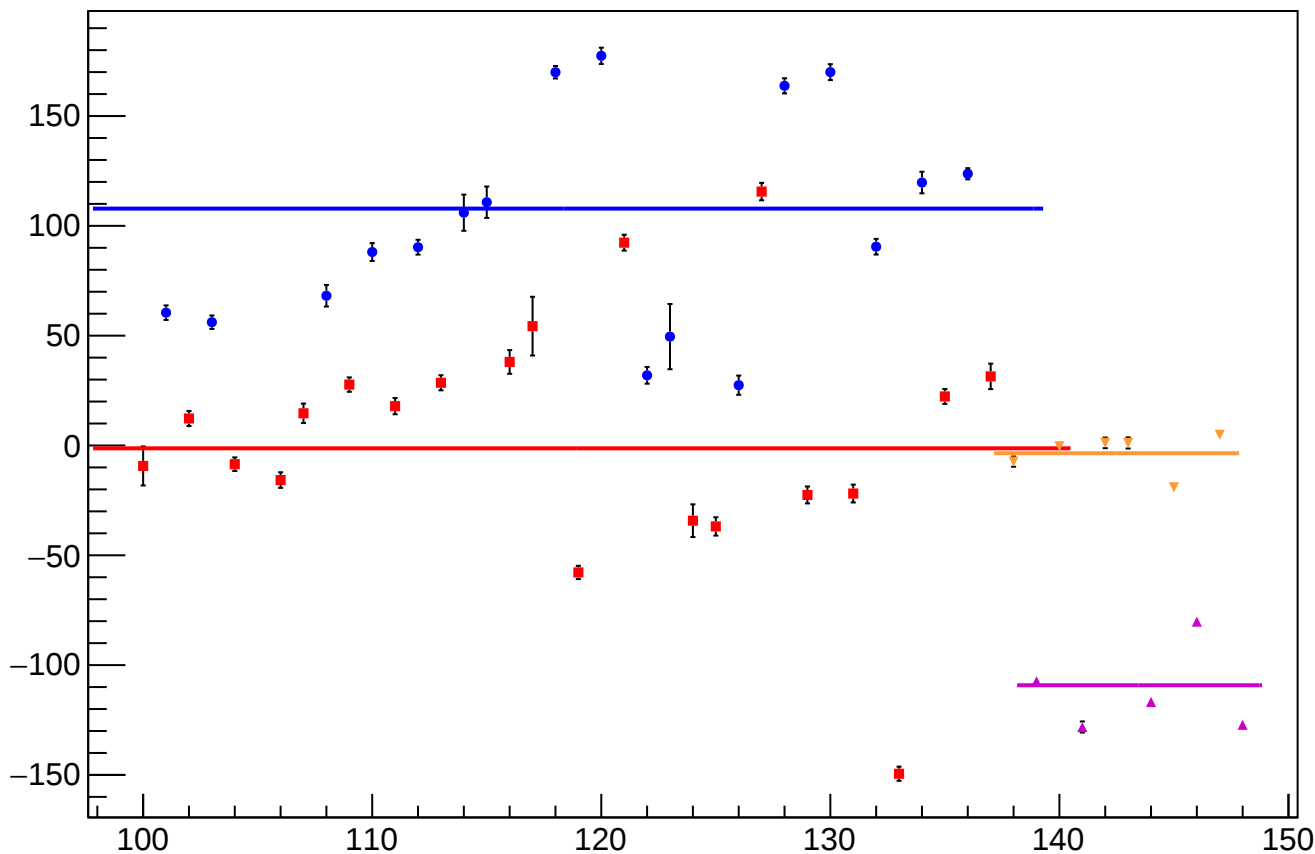
Left In: 827.194+/-0.295 χ^2/NDF : 41800.3/4

703.974+/-0.152 χ^2/NDF : 309205.6/22

703.573+/-0.107 χ^2/NDF : 617871.6/47

703.181+/-0.150 χ^2/NDF : 308652.2/24

diff_bpm1i06X_mean vs Slug, Sign Corrected



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

Left Out: -3.526 ± 0.900 χ^2/NDF : 90.1/5

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

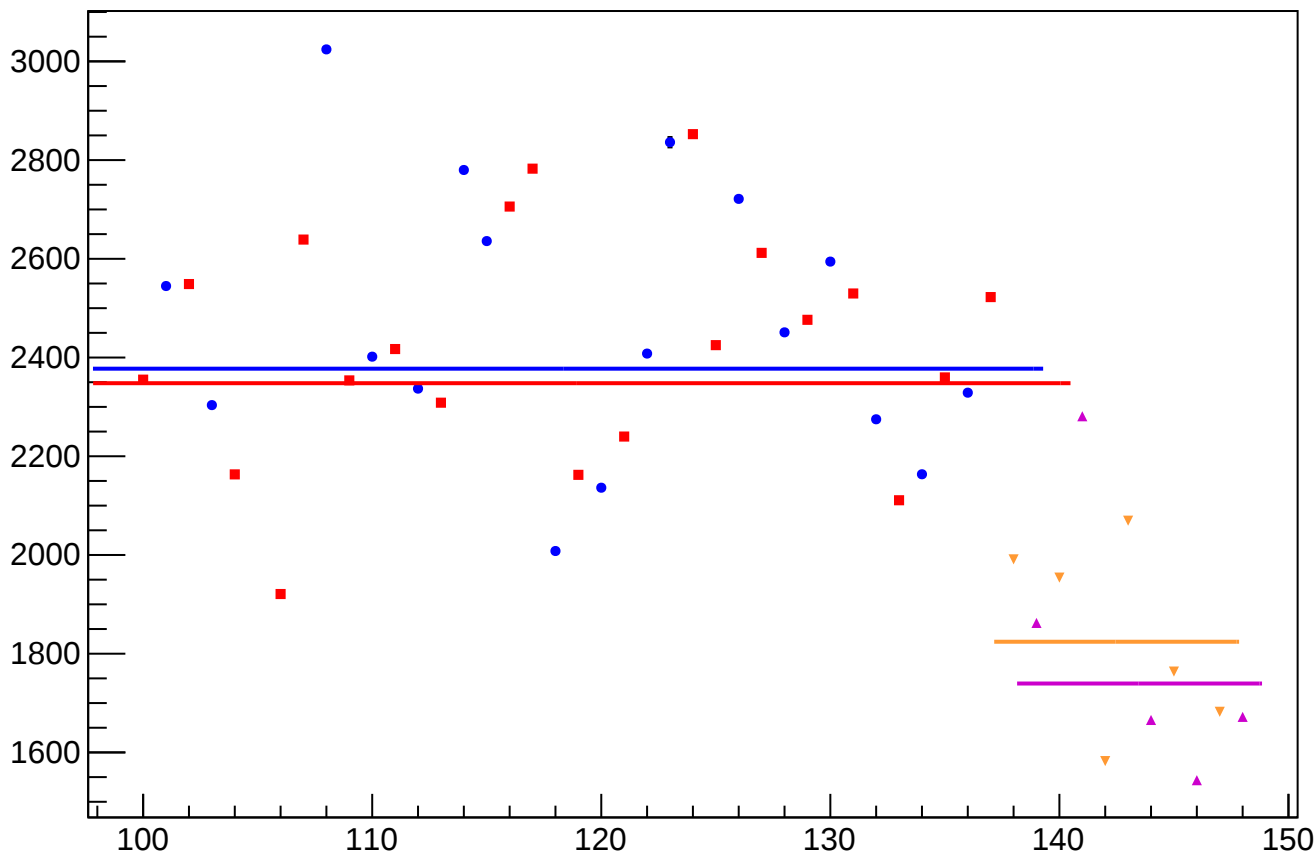
Left In: -109.174 ± 0.887 χ^2/NDF : 450.8/4

50.842 ± 0.644 χ^2/NDF : 10375.9/22

-3.572 ± 0.449 χ^2/NDF : 36687.7/47

-54.887 ± 0.625 χ^2/NDF : 12433.4/24

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2377.423 $\pm$ 0.652 χ^2 /NDF: 119648.6/16

Left Out: 1824.233 $\pm$ 0.636 χ^2 /NDF: 68765.9/5

Right Out: 2348.017 $\pm$ 0.623 χ^2 /NDF: 110379.6/19

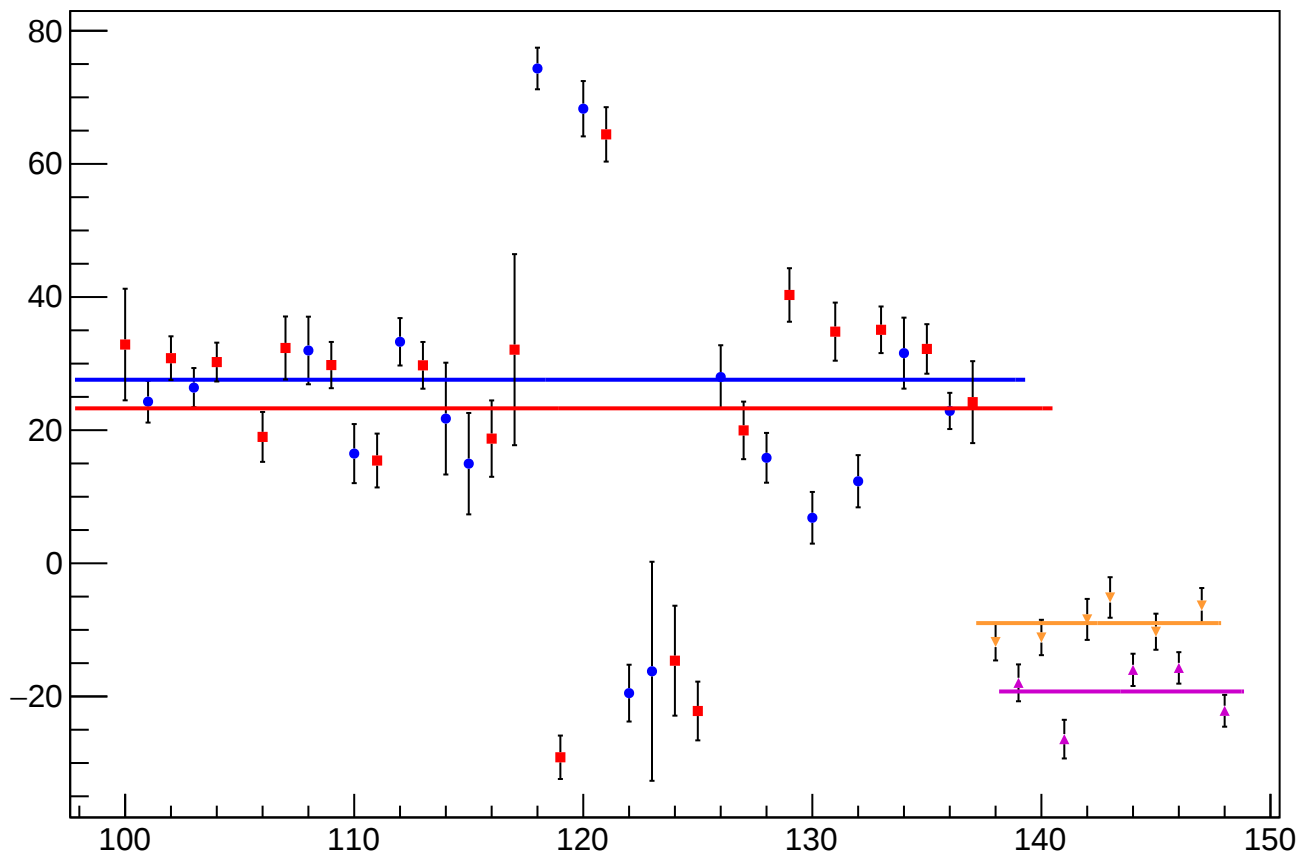
Left In: 1739.597 $\pm$ 0.627 χ^2 /NDF: 129162.6/4

2094.268 $\pm$ 0.455 χ^2 /NDF: 557310.1/22

2069.312 $\pm$ 0.317 χ^2 /NDF: 1276115.6/47

2045.777 $\pm$ 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: -8.981 $\pm$ 1.142 χ^2/NDF : 4.6/5

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

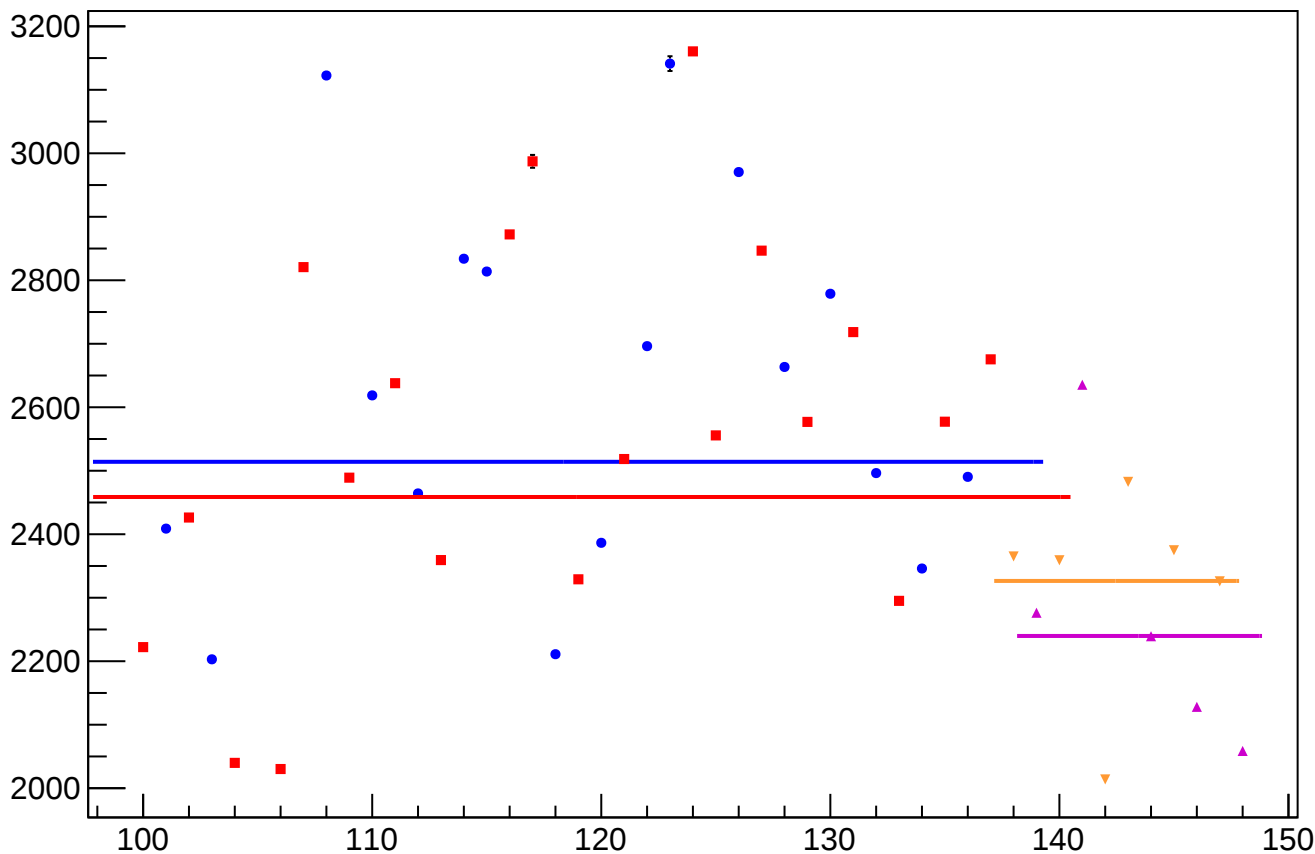
Left In: -19.254 $\pm$ 1.137 χ^2/NDF : 11.8/4

12.172 $\pm$ 0.741 χ^2/NDF : 1116.9/22

9.161 $\pm$ 0.516 χ^2/NDF : 2560.7/47

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: 2326.453 $\pm$ 0.808 χ^2/NDF : 27199.2/5

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

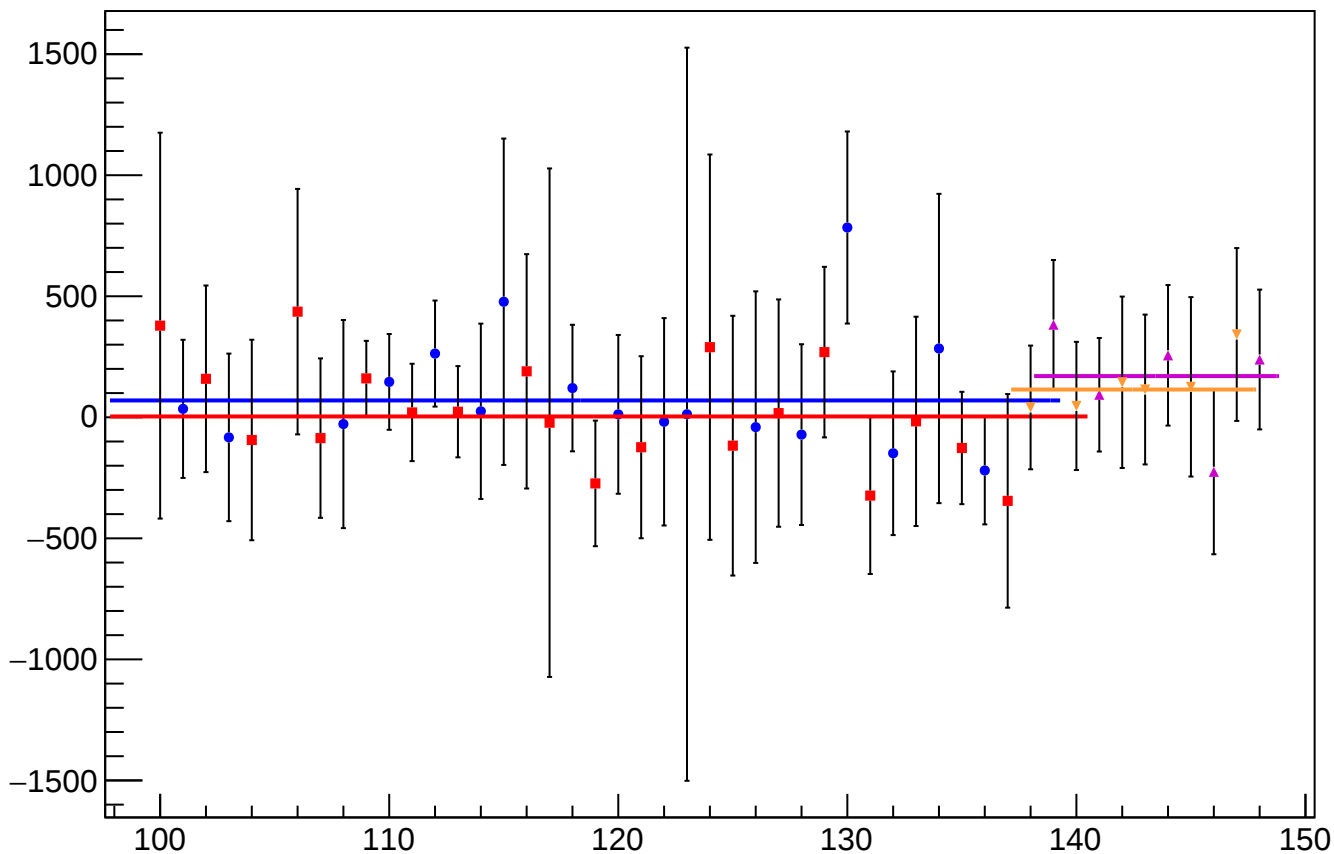
Left In: 2239.789 $\pm$ 0.804 χ^2/NDF : 53444.5/4

2435.021 $\pm$ 0.524 χ^2/NDF : 179387.9/22

2402.223 $\pm$ 0.365 χ^2/NDF : 437457.0/47

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: 114.722 $\pm$ 125.851 χ^2 /NDF: 0.6/5

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

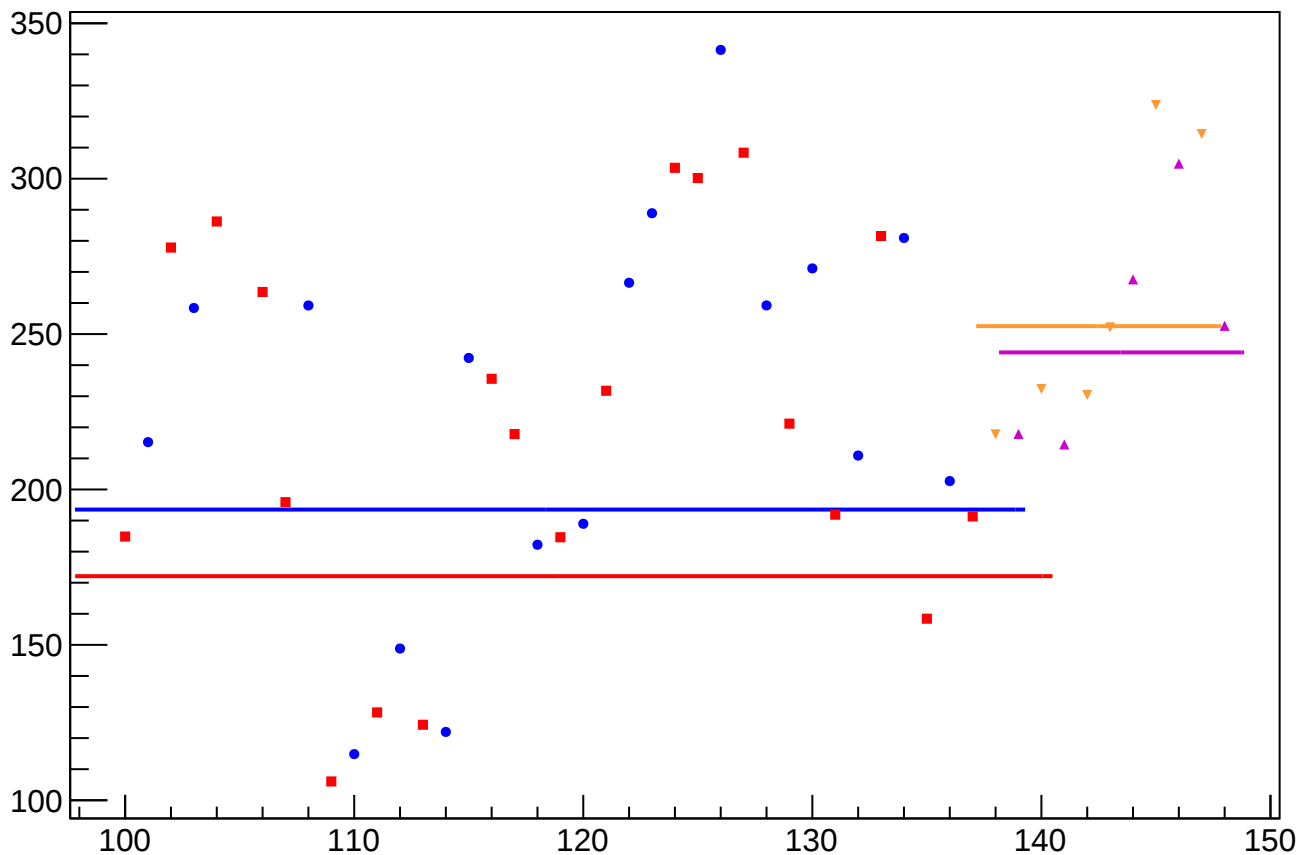
Left In: 170.218 $\pm$ 124.354 χ^2 /NDF: 2.2/4

82.350 $\pm$ 66.924 χ^2 /NDF: 8.0/22

61.051 $\pm$ 45.036 χ^2 /NDF: 18.2/47

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 $\pm$ 0.056 χ^2 /NDF: 1010428.2/16

Left Out: 252.555 $\pm$ 0.089 χ^2 /NDF:190331.0/5

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

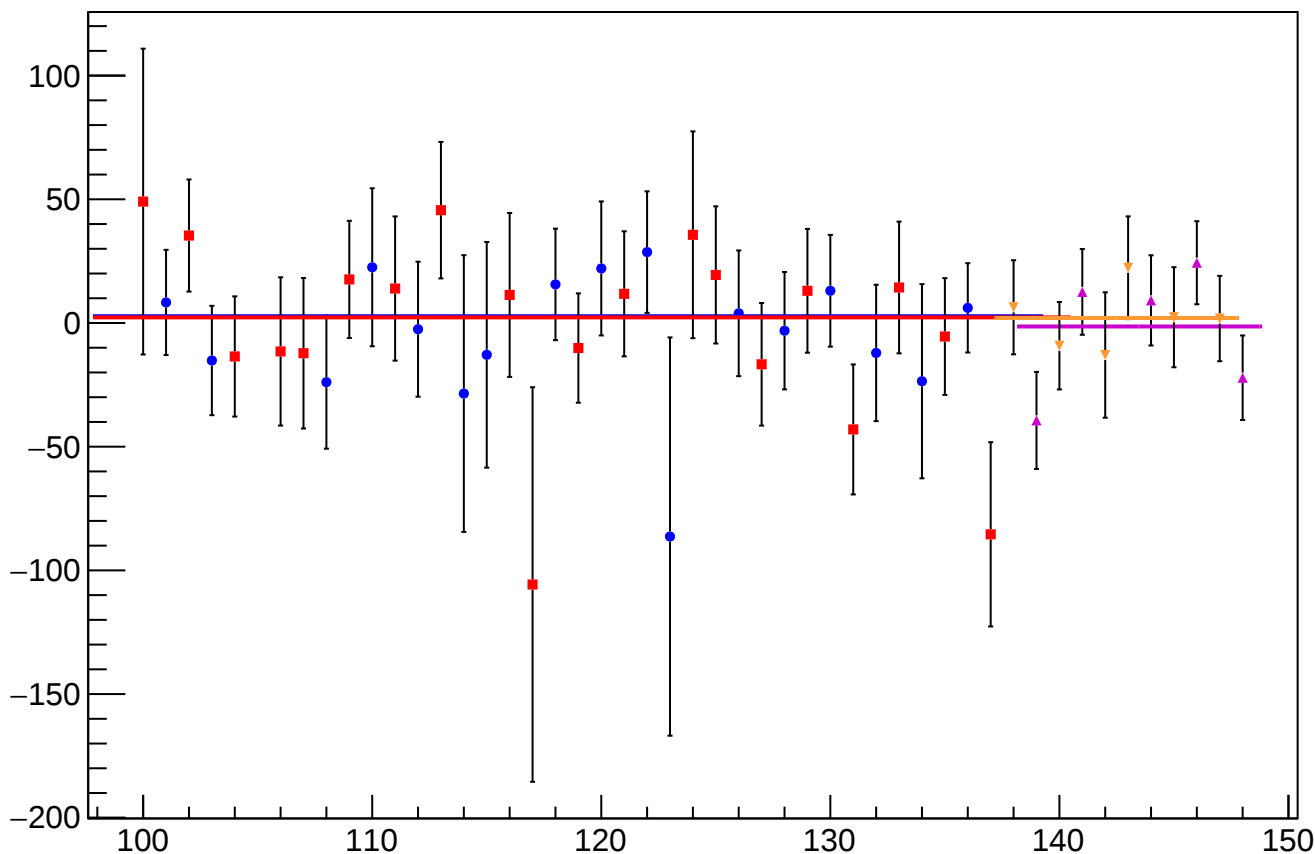
Left In: 244.101 $\pm$ 0.088 χ^2 /NDF:129626.8/4

210.223 $\pm$ 0.047 χ^2 /NDF: 1516255.8/22

198.809 $\pm$ 0.032 χ^2 /NDF: 3842621.4/47

189.362 $\pm$ 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: 2.014 $\pm$ 7.995 χ^2 /NDF: 1.8/5

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

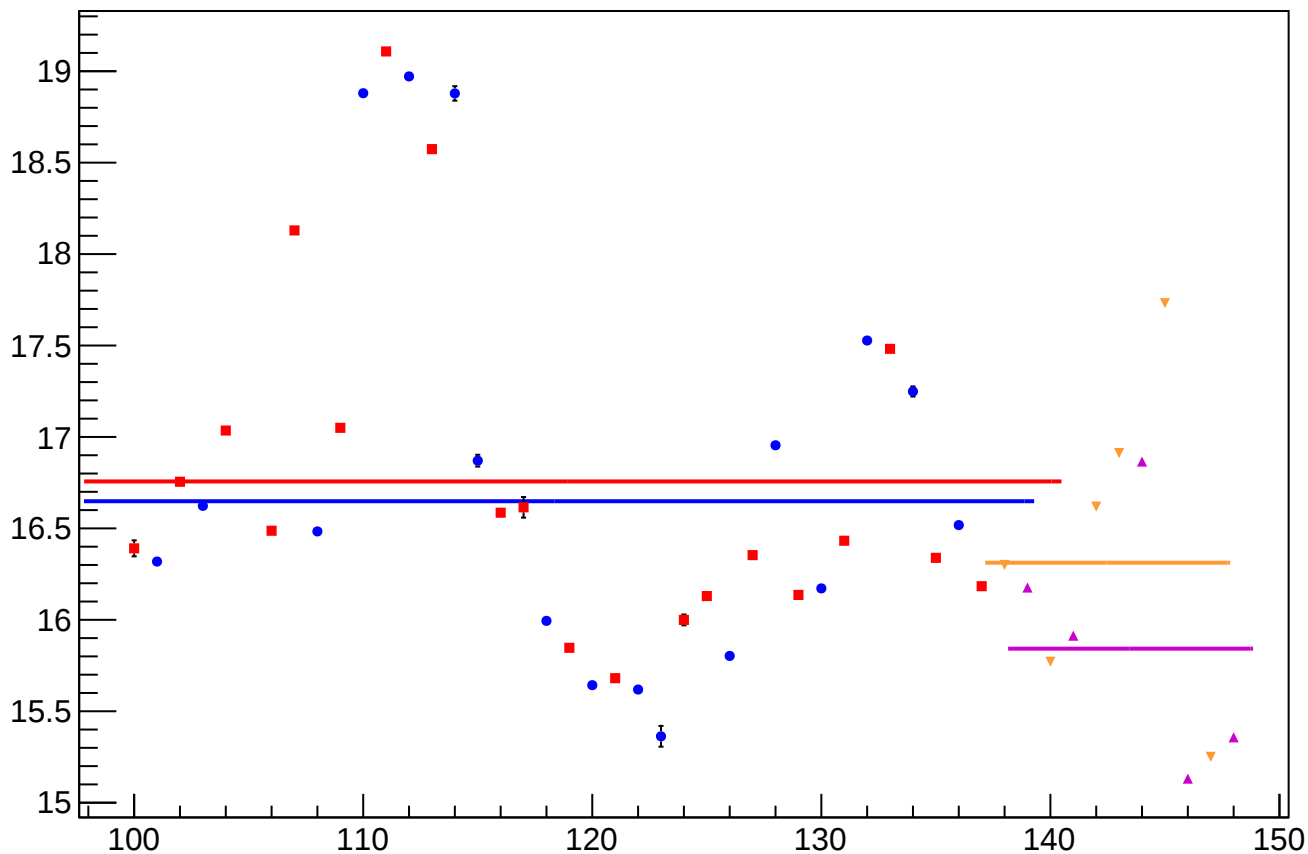
Left In: -1.407 $\pm$ 7.927 χ^2 /NDF: 8.6/4

2.451 $\pm$ 5.008 χ^2 /NDF: 8.5/22

1.635 $\pm$ 3.507 χ^2 /NDF: 36.9/47

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: 16.312 $\pm$ 0.006 χ^2/NDF : 21251.1/5

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

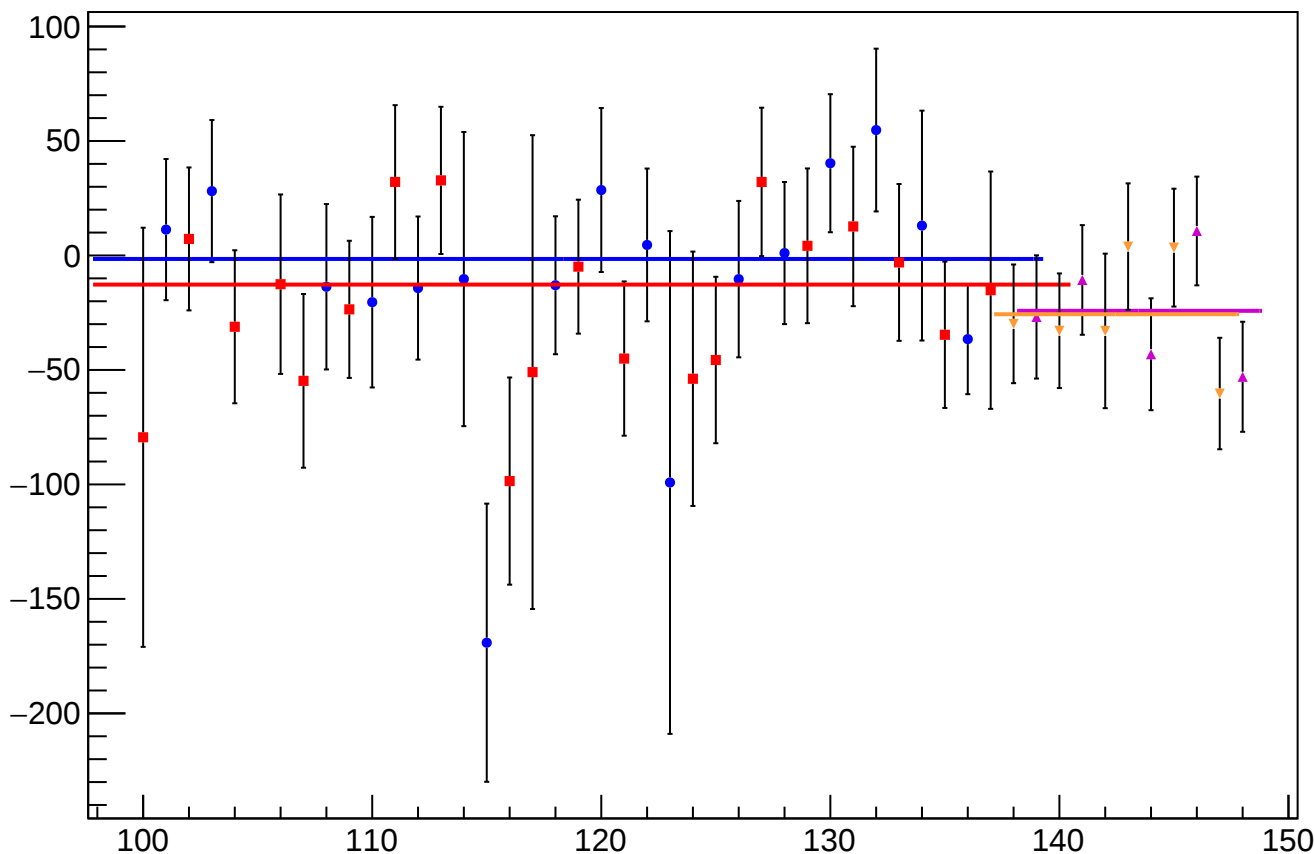
Left In: 15.842 $\pm$ 0.006 χ^2/NDF : 12110.1/4

16.517 $\pm$ 0.004 χ^2/NDF : 65967.2/22

16.460 $\pm$ 0.002 χ^2/NDF : 134933.1/47

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: -25.673 ± 10.866 χ^2/NDF : 4.6/5

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

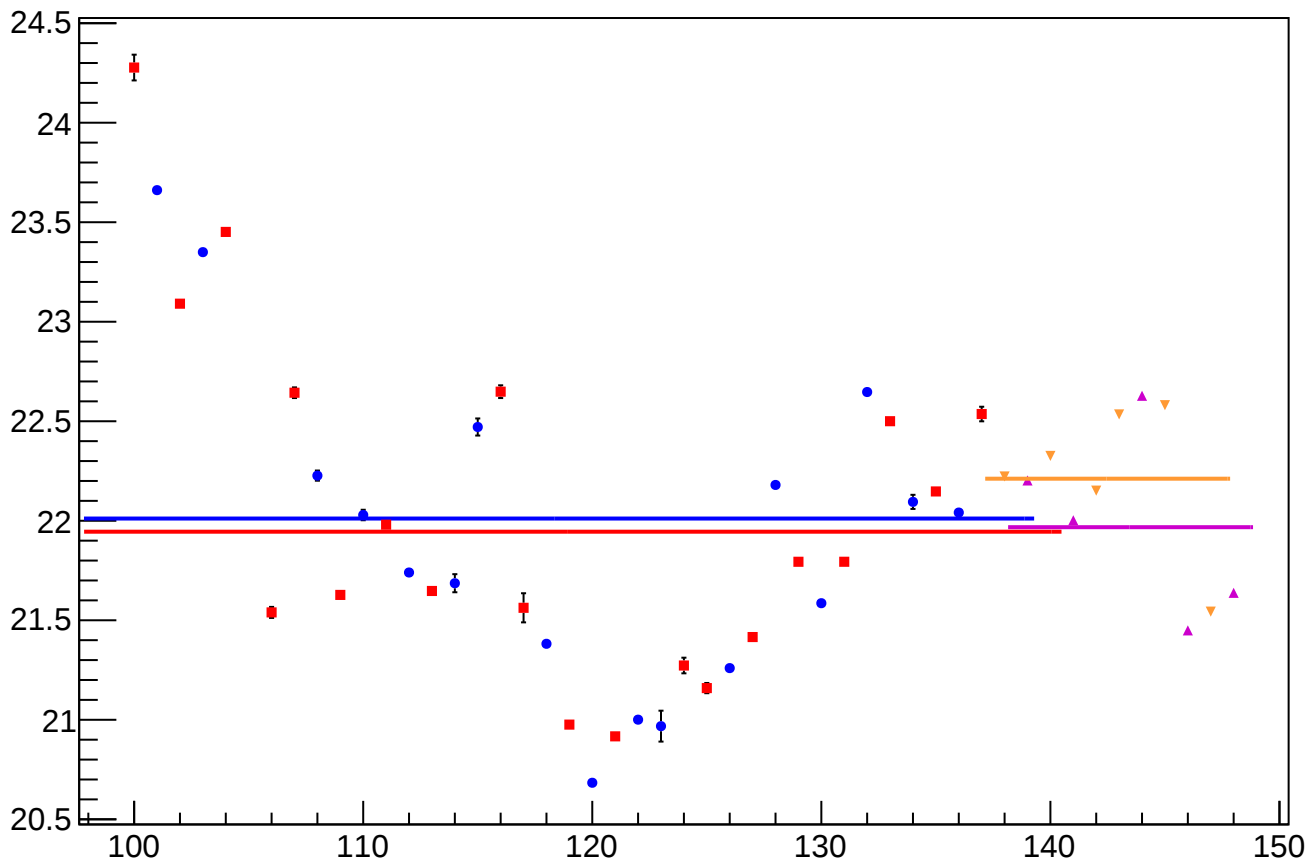
Left In: -24.175 ± 10.972 χ^2/NDF : 4.5/4

-10.671 ± 6.688 χ^2/NDF : 25.3/22

-13.801 ± 4.683 χ^2/NDF : 46.7/47

-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 $\chi^2/\text{NDF}: 17546.9/16$

Left Out: 22.211 ± 0.008 $\chi^2/\text{NDF}: 2239.2/5$

Right Out: 21.945 ± 0.006 $\chi^2/\text{NDF}: 16620.2/19$

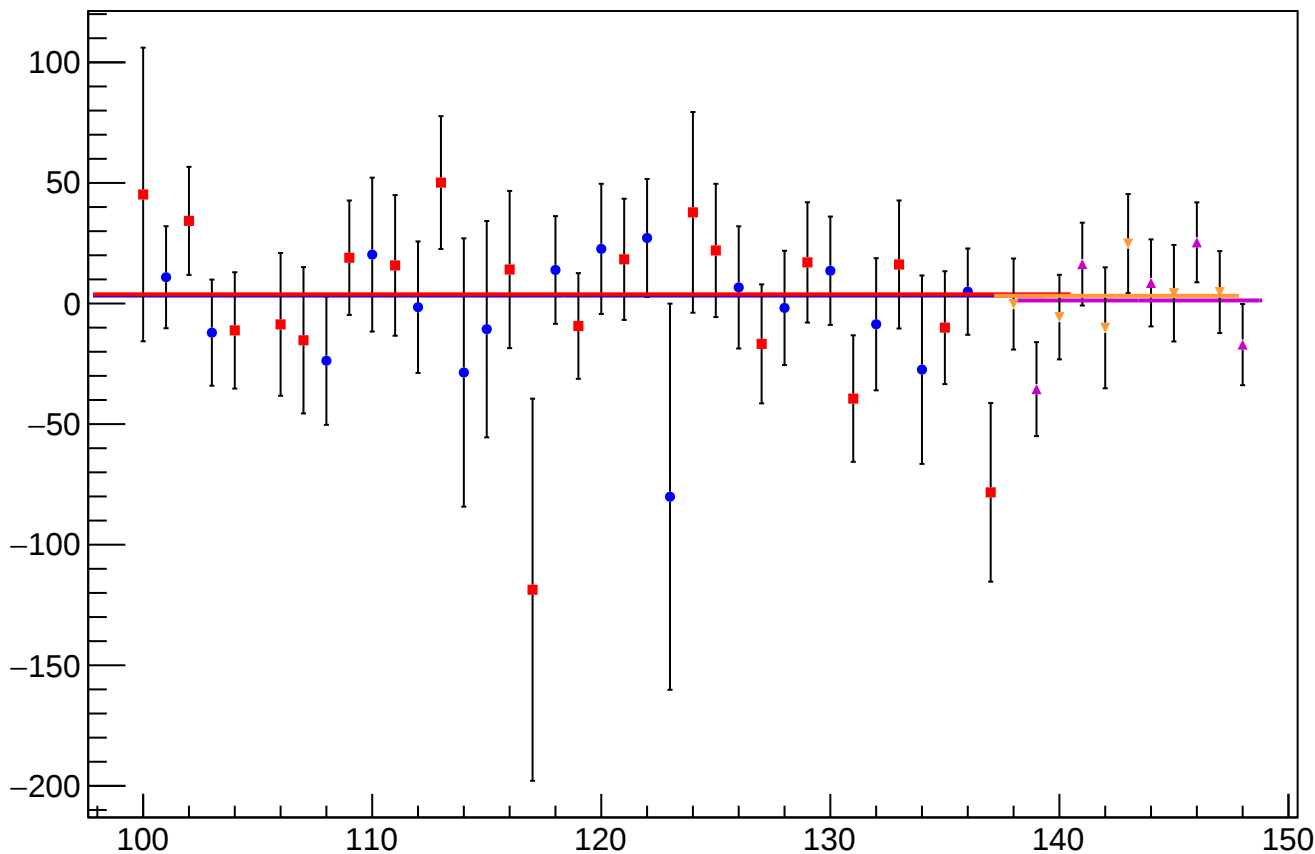
Left In: 21.968 ± 0.008 $\chi^2/\text{NDF}: 2947.5/4$

22.087 ± 0.005 $\chi^2/\text{NDF}: 20207.8/22$

22.019 ± 0.003 $\chi^2/\text{NDF}: 40189.3/47$

21.953 ± 0.005 $\chi^2/\text{NDF}: 19573.2/24$

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: 3.200 $\pm$ 7.910 χ^2 /NDF: 1.7/5

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

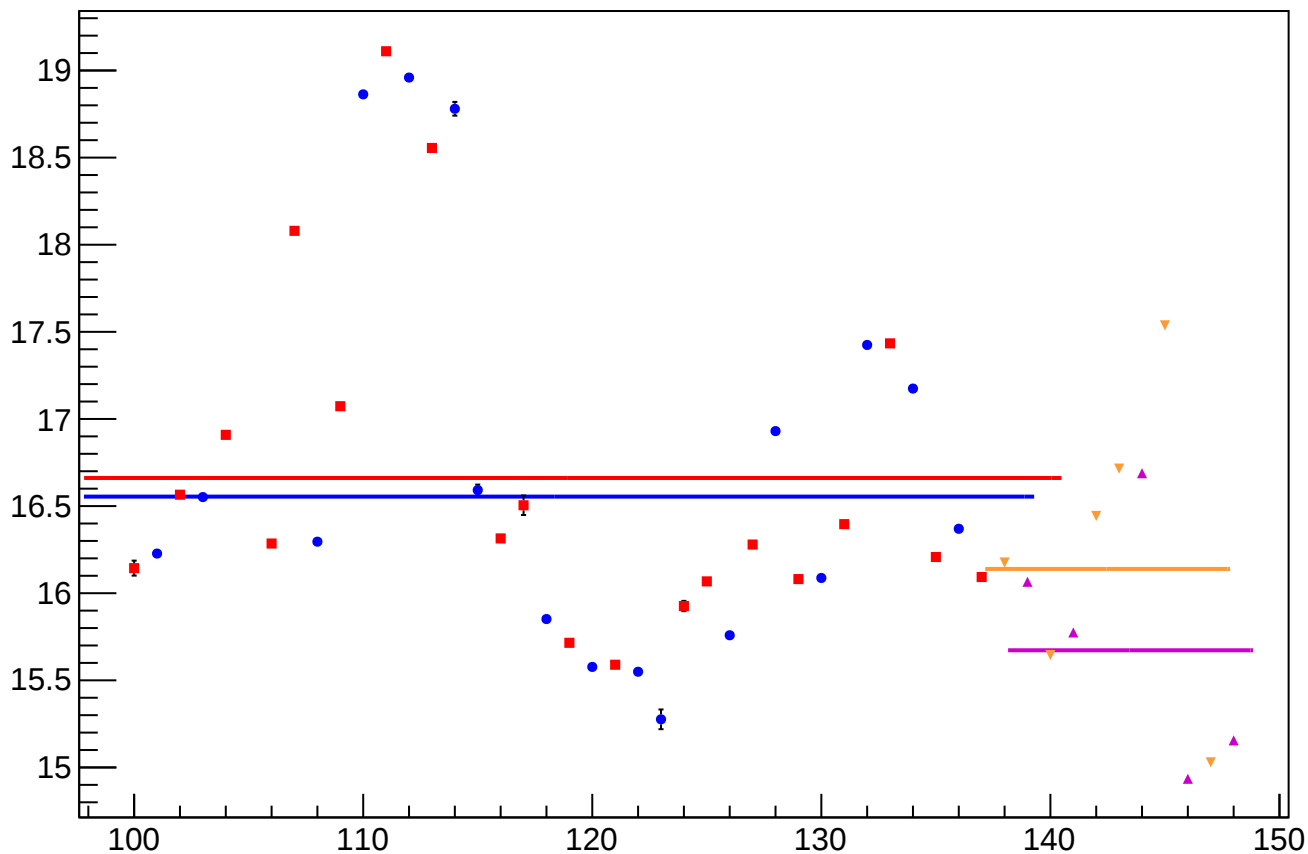
Left In: 1.270 $\pm$ 7.842 χ^2 /NDF: 7.8/4

3.271 $\pm$ 4.970 χ^2 /NDF: 8.0/22

3.042 $\pm$ 3.480 χ^2 /NDF: 35.9/47

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: 16.139 $\pm$ 0.006 χ^2/NDF : 21748.8/5

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

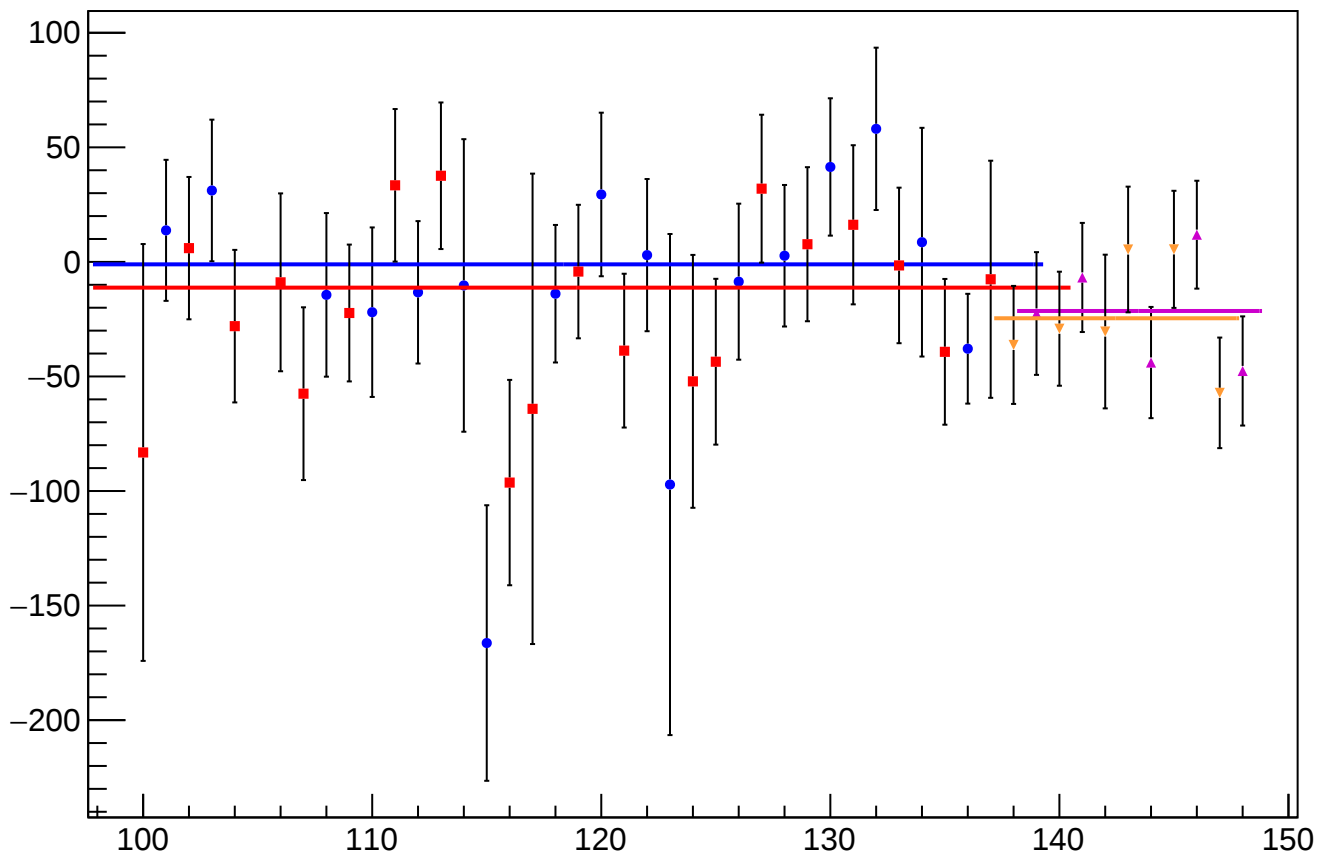
Left In: 15.672 $\pm$ 0.006 χ^2/NDF : 13076.6/4

16.390 $\pm$ 0.004 χ^2/NDF : 69558.1/22

16.334 $\pm$ 0.002 χ^2/NDF : 145728.3/47

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: -24.601 ± 10.790 χ^2/NDF : 4.7/5

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

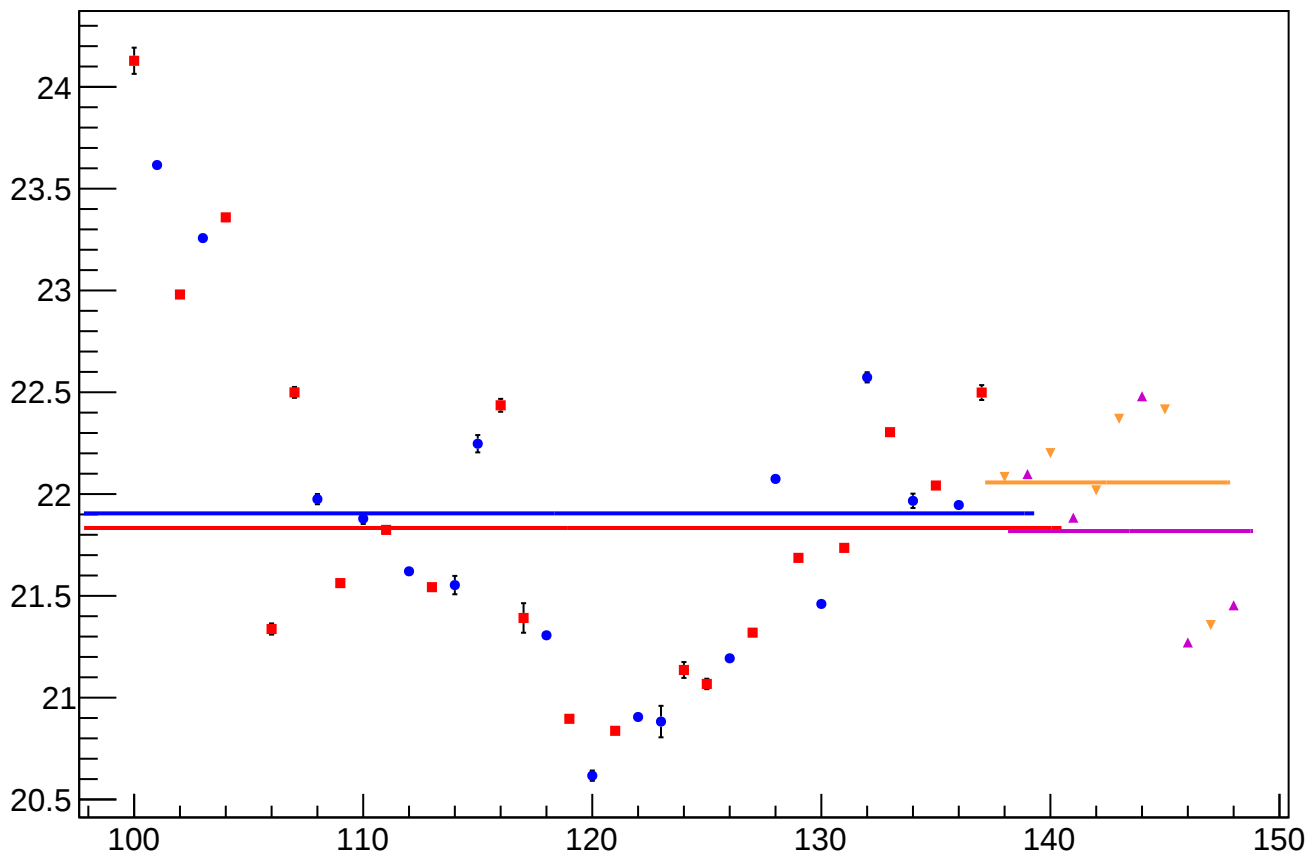
Left In: -21.424 ± 10.898 χ^2/NDF : 4.4/4

-10.007 ± 6.650 χ^2/NDF : 26.1/22

-12.493 ± 4.657 χ^2/NDF : 47.9/47

-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 $\pm$ 0.006 χ^2 /NDF: 17794.2/16

Left Out: 22.057 $\pm$ 0.008 χ^2 /NDF: 2412.0/5

Right Out: 21.833 $\pm$ 0.006 χ^2 /NDF: 16288.5/19

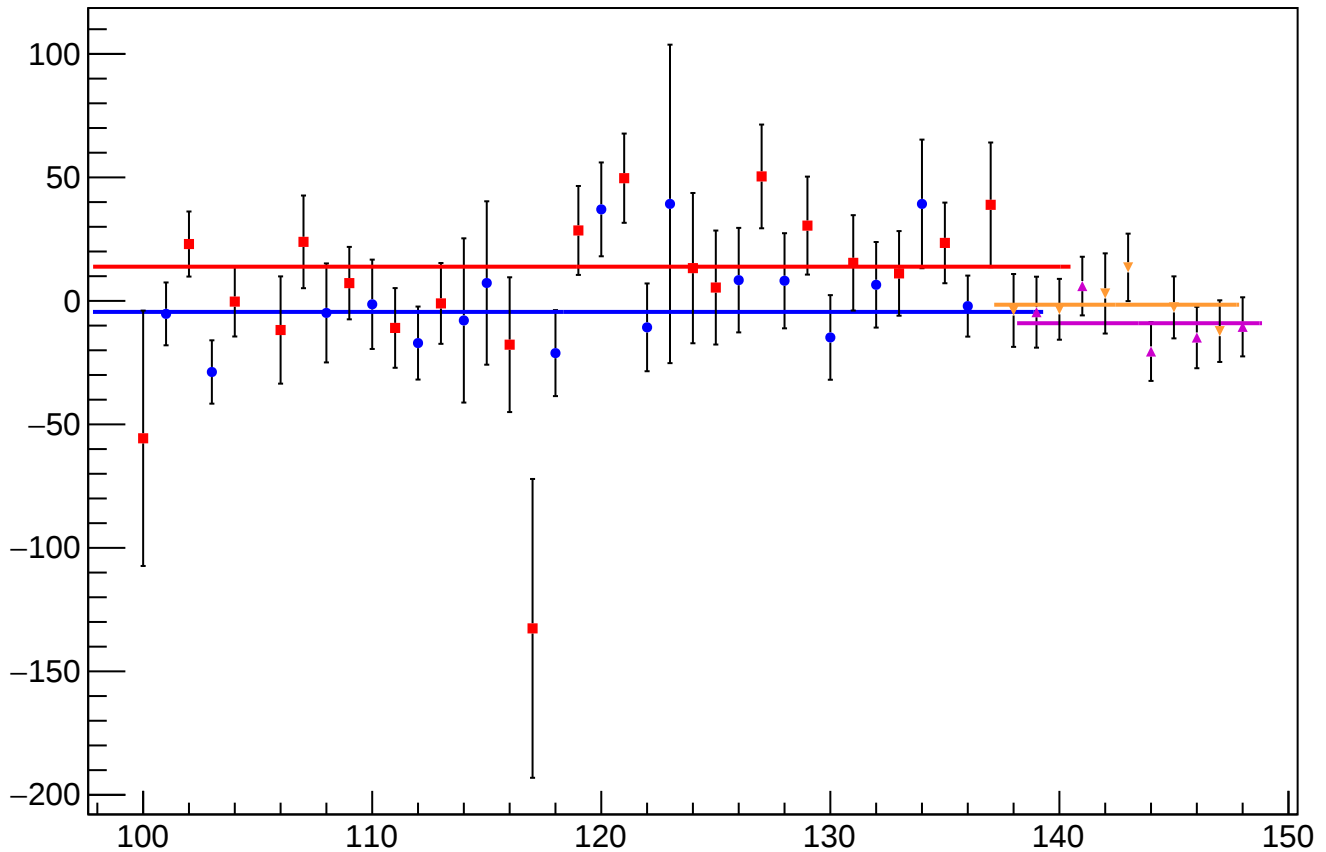
Left In: 21.818 $\pm$ 0.008 χ^2 /NDF: 3270.5/4

21.963 $\pm$ 0.005 χ^2 /NDF: 20452.0/22

21.894 $\pm$ 0.003 χ^2 /NDF: 40432.6/47

21.828 $\pm$ 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: -1.547 ± 5.496 χ^2/NDF : 2.1/5

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

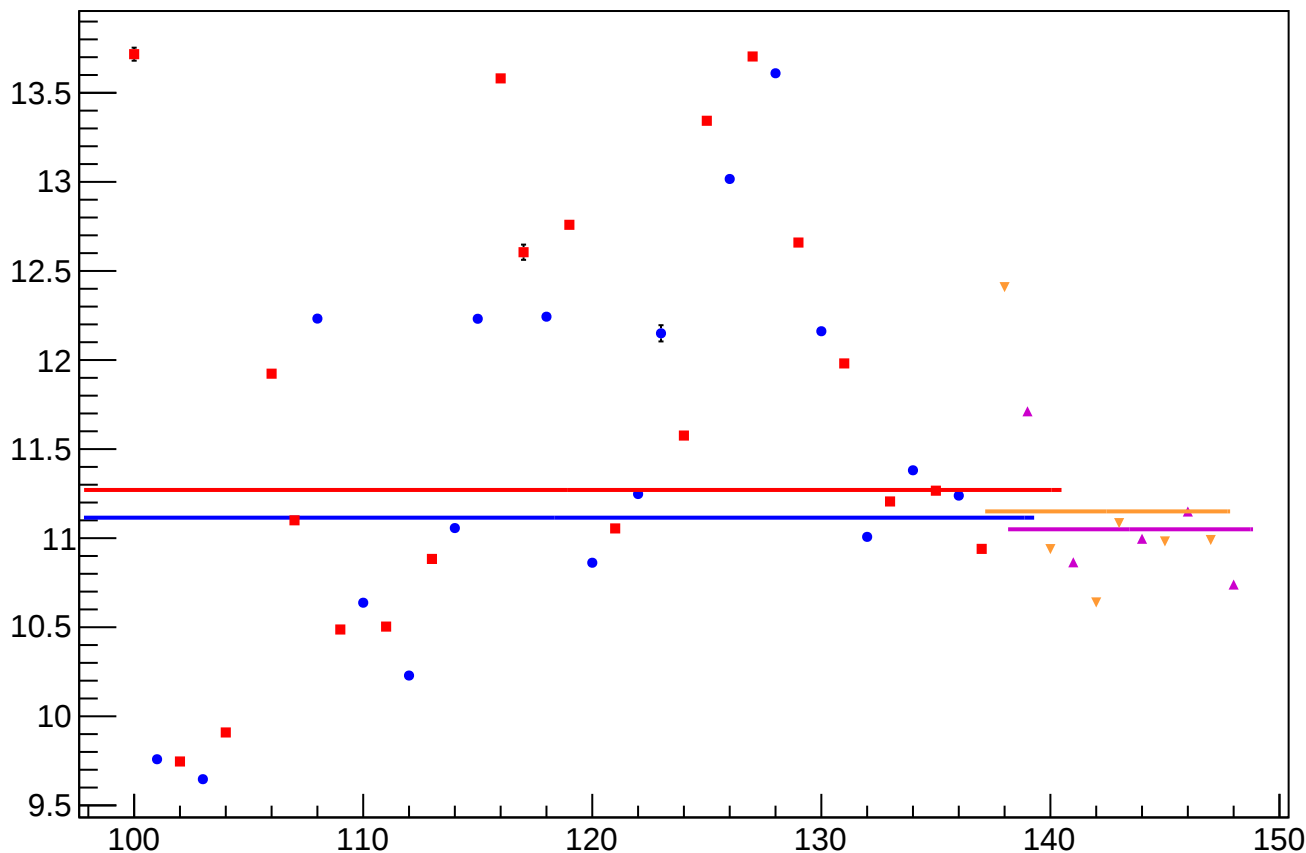
Left In: -9.038 ± 5.553 χ^2/NDF : 2.9/4

-3.345 ± 3.400 χ^2/NDF : 17.5/22

1.052 ± 2.396 χ^2/NDF : 59.7/47

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+/-0.003 χ^2/NDF : 133059.3/16

Left Out: 11.150+/-0.004 χ^2/NDF : 17881.6/5

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

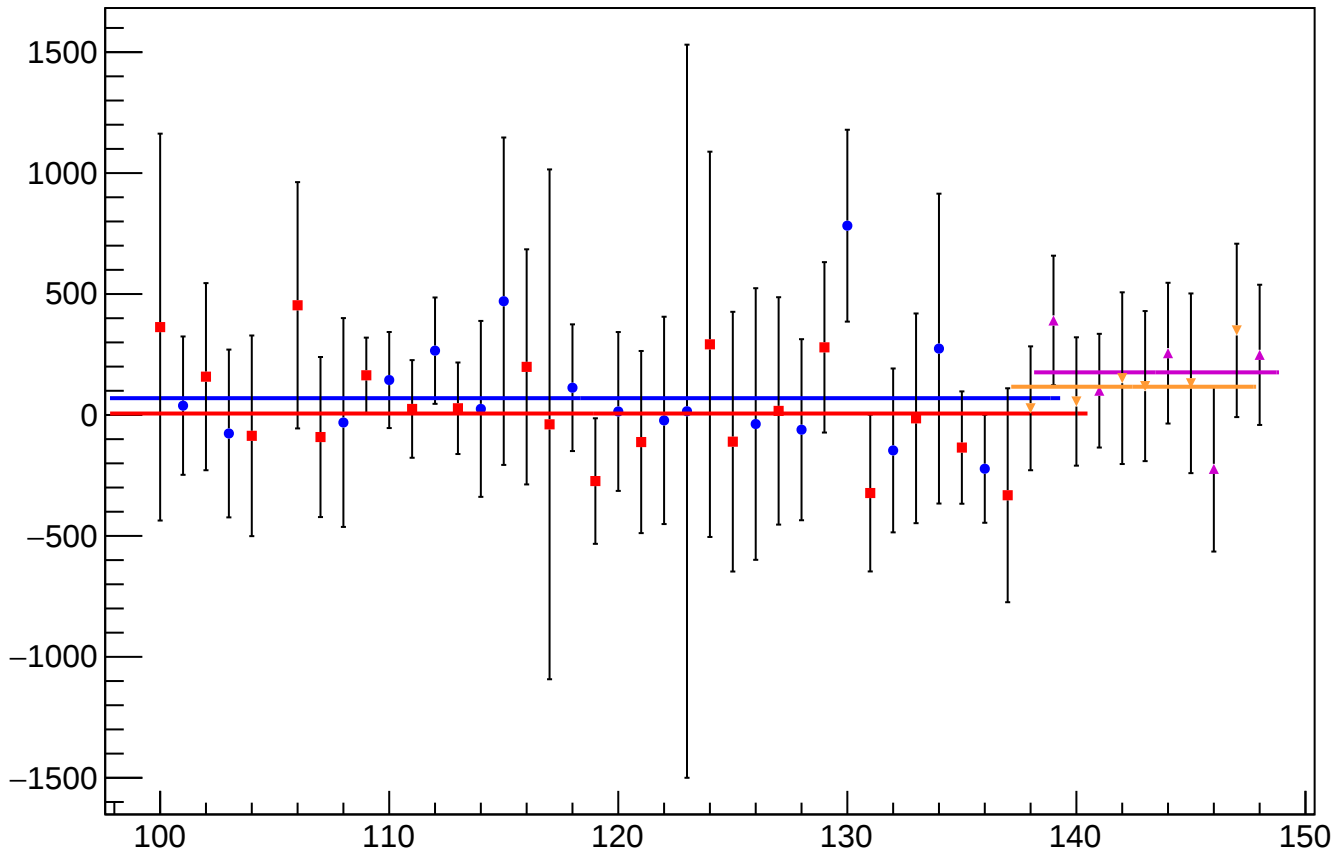
Left In: 11.050+/-0.004 χ^2/NDF : 6250.3/4

11.129+/-0.002 χ^2/NDF : 150991.5/22

11.159+/-0.002 χ^2/NDF : 308014.9/47

11.189+/-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+/-79.231 χ^2/NDF : 7.3/16

Left Out: 116.742+/-126.175 χ^2/NDF : 0.6/5

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

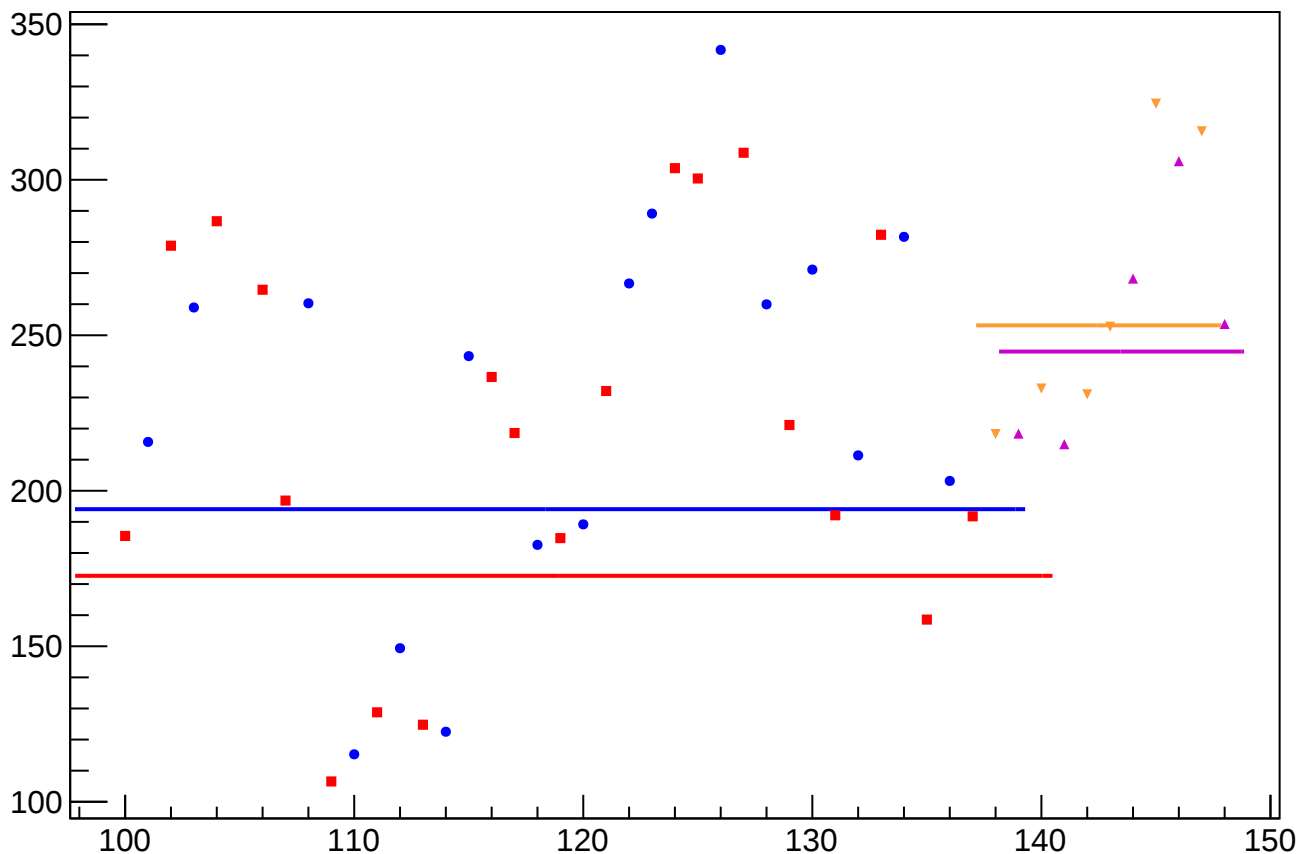
Left In: 176.206+/-124.700 χ^2/NDF : 2.2/4

82.839+/-67.099 χ^2/NDF : 8.0/22

63.126+/-45.160 χ^2/NDF : 18.3/47

46.804+/-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 +/- 0.056 χ^2/NDF : 1005395.7/16

Left Out: 253.192 +/- 0.089 χ^2/NDF : 191116.2/5

Right Out: 172.655 +/- 0.050 χ^2/NDF : 1573277.0/19

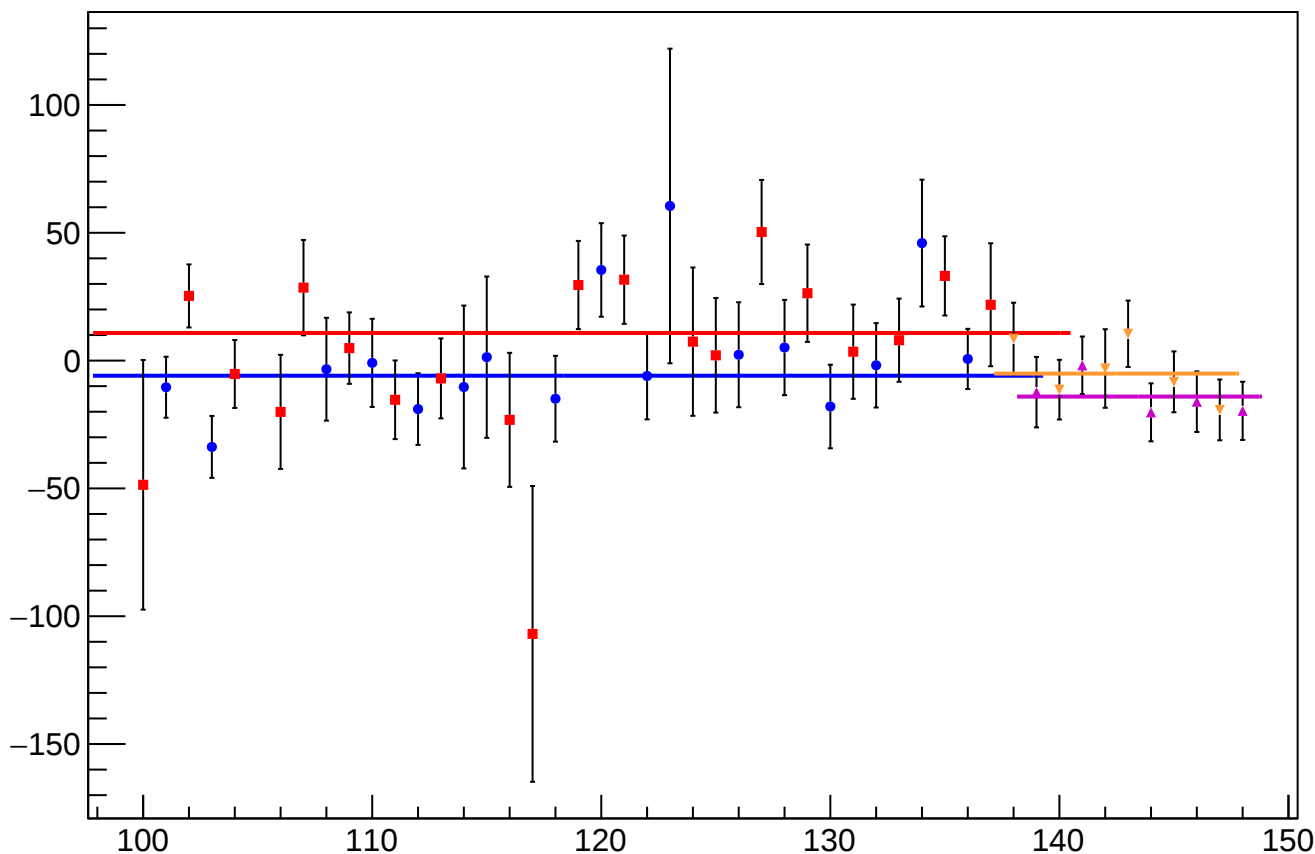
Left In: 244.764 +/- 0.088 χ^2/NDF : 130565.2/4

210.798 +/- 0.047 χ^2/NDF : 1511327.3/22

199.390 +/- 0.032 χ^2/NDF : 3829283.8/47

189.943 +/- 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 χ^2/NDF : 18.8/16

Left Out: -5.083 ± 5.224 χ^2/NDF : 4.2/5

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

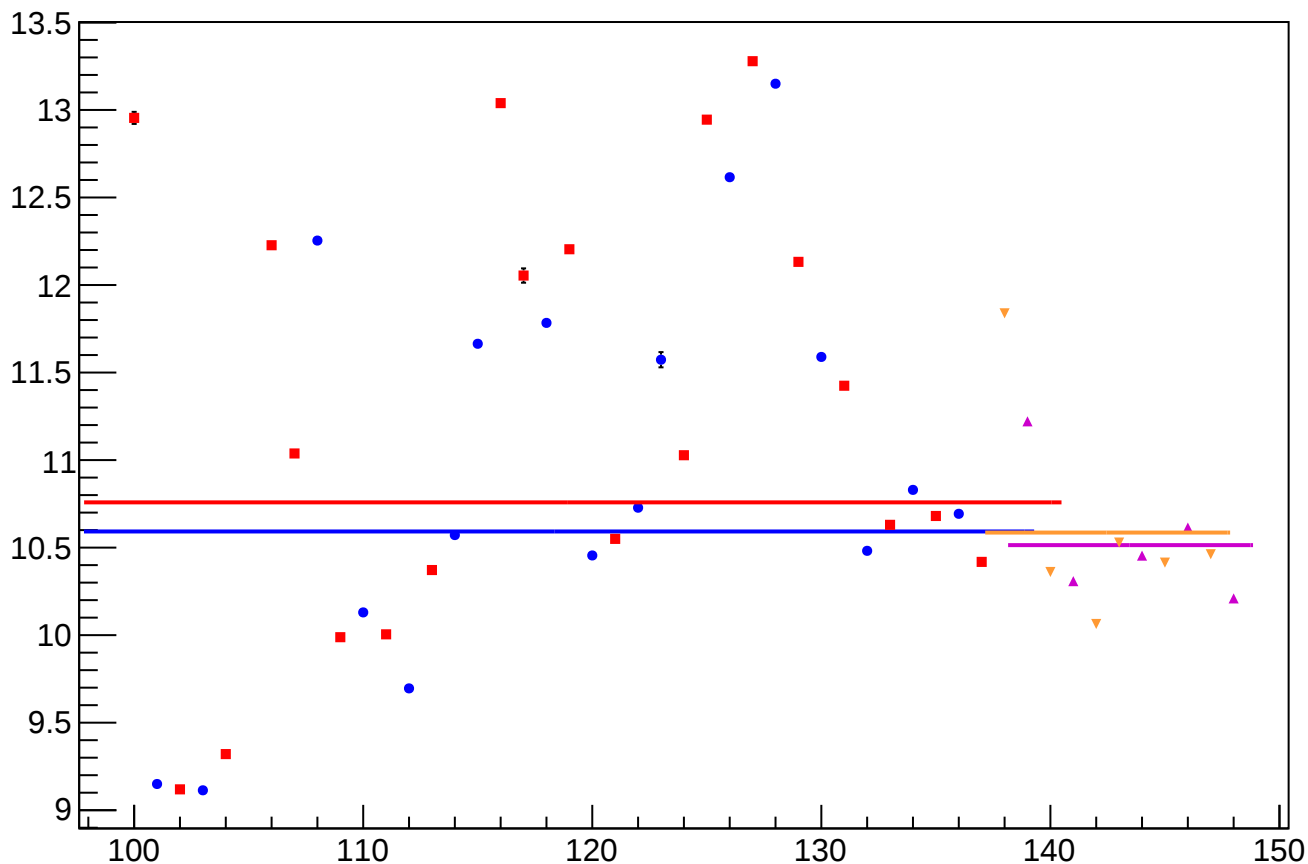
Left In: -14.070 ± 5.289 χ^2/NDF : 1.8/4

-5.593 ± 3.241 χ^2/NDF : 23.0/22

-1.998 ± 2.286 χ^2/NDF : 68.2/47

1.559 ± 3.225 χ^2/NDF : 42.7/24

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 10.586 ± 0.004 $\chi^2/\text{NDF}: 19474.1/5$

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

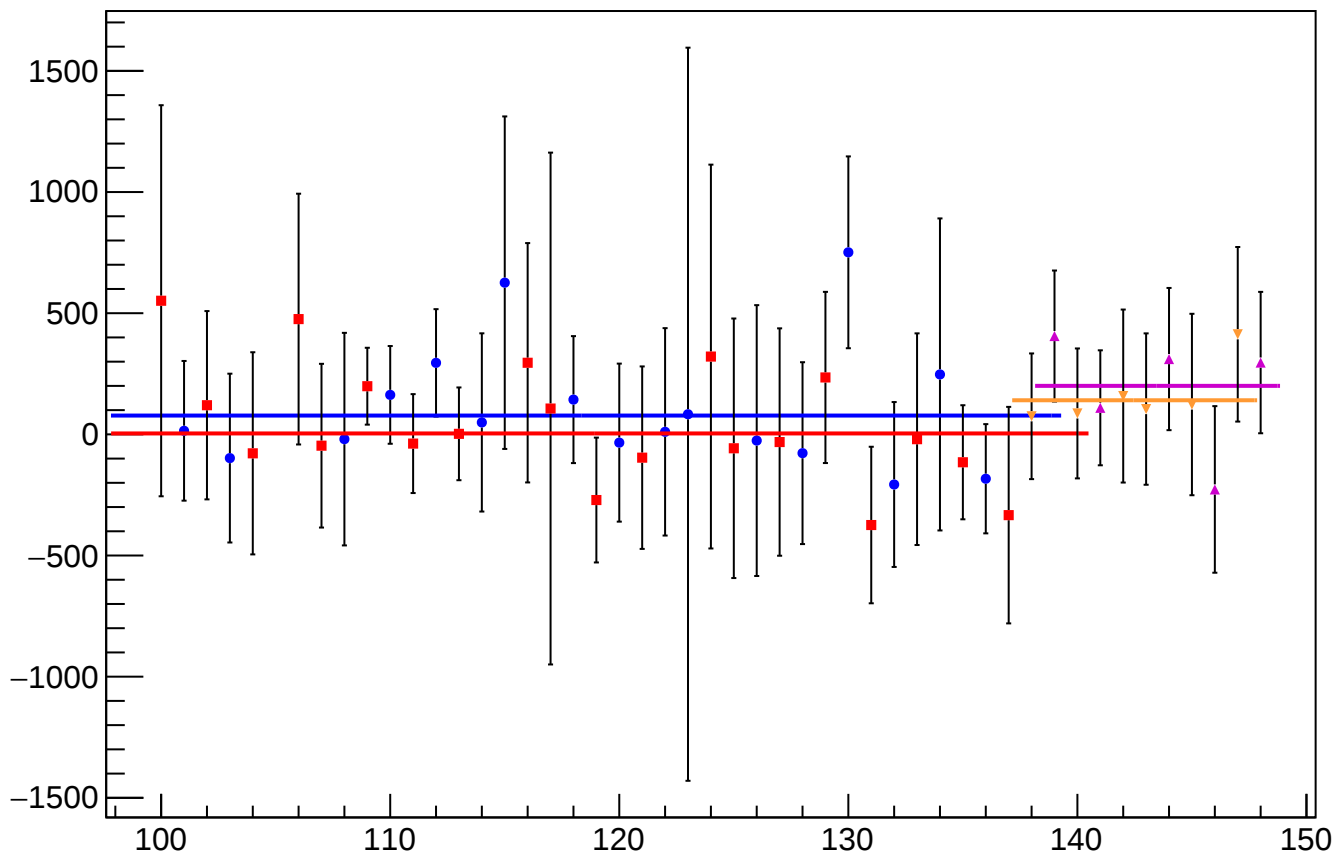
Left In: 10.514 ± 0.004 $\chi^2/\text{NDF}: 7555.2/4$

10.590 ± 0.002 $\chi^2/\text{NDF}: 179873.7/22$

10.629 ± 0.002 $\chi^2/\text{NDF}: 368590.9/47$

10.668 ± 0.002 $\chi^2/\text{NDF}: 188137.7/24$

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: 140.676 $\pm$ 127.294 χ^2 /NDF: 0.7/5

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

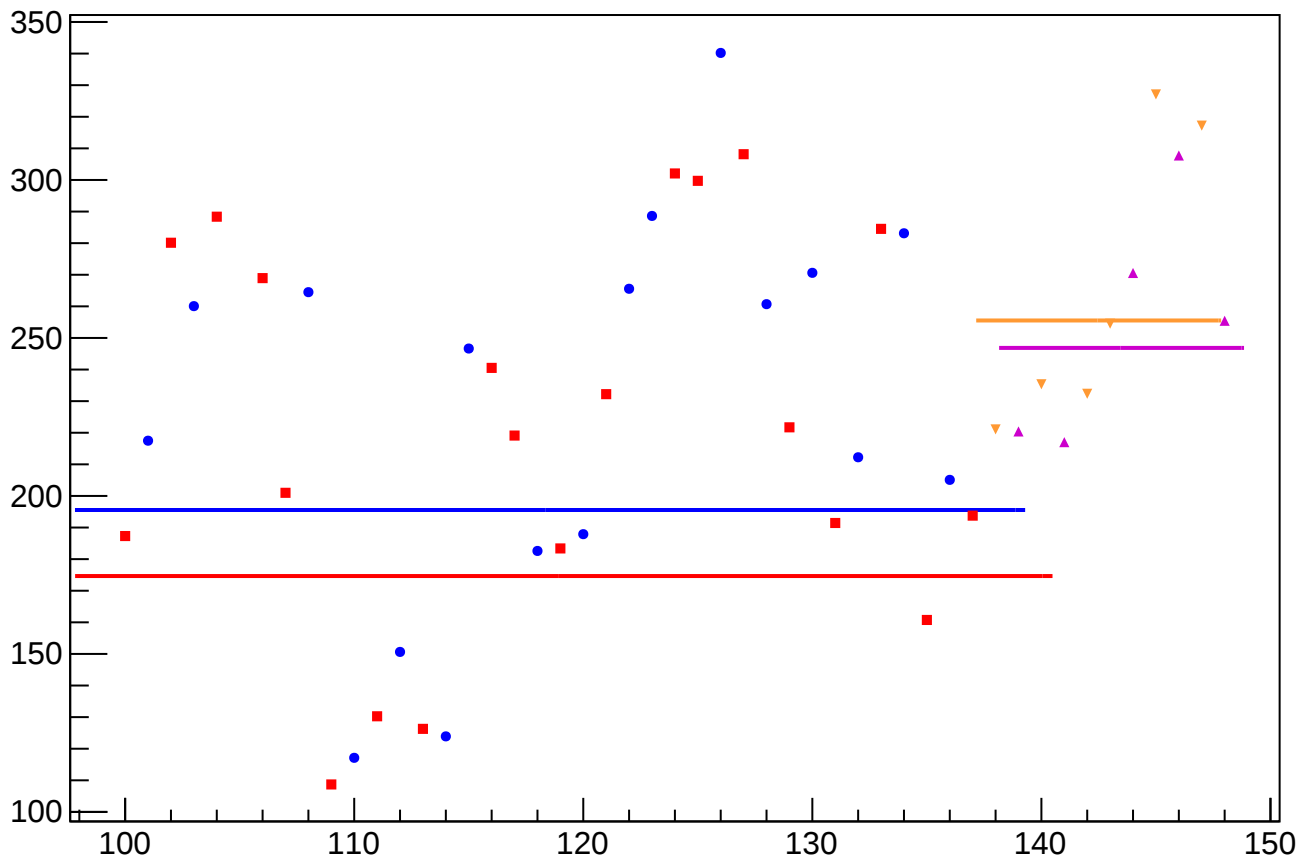
Left In: 200.157 $\pm$ 125.720 χ^2 /NDF: 2.5/4

95.372 $\pm$ 67.583 χ^2 /NDF: 8.4/22

71.115 $\pm$ 45.535 χ^2 /NDF: 20.4/47

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: 255.531 $\pm$ 0.090 χ^2 /NDF:186792.6/5

Right Out: 174.649 $\pm$ 0.050 χ^2 /NDF: 1532189.1/19

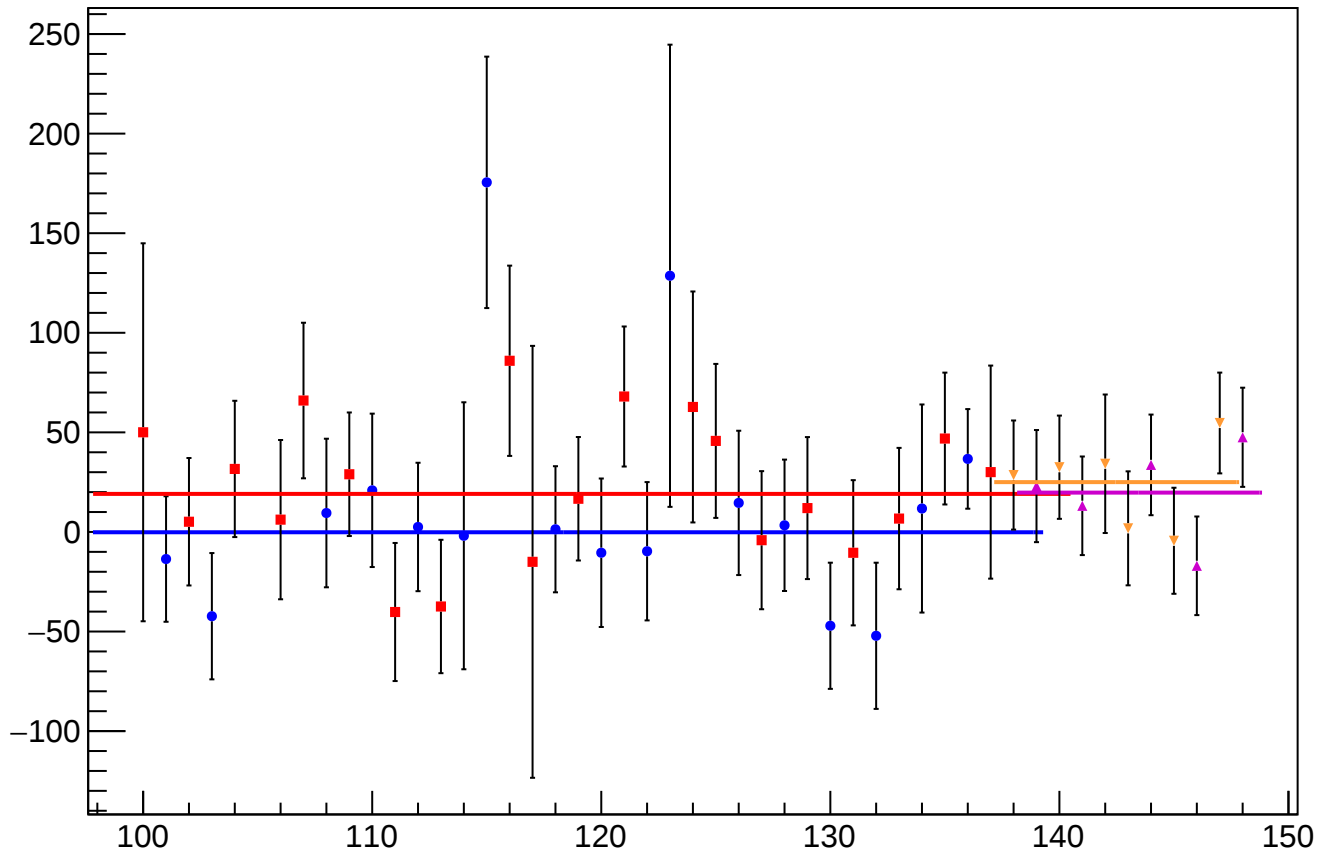
Left In: 246.851 $\pm$ 0.089 χ^2 /NDF:128294.8/4

212.458 $\pm$ 0.048 χ^2 /NDF: 1485612.8/22

201.284 $\pm$ 0.032 χ^2 /NDF: 3747381.5/47

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: 25.016 ± 11.292 $\chi^2/\text{NDF}: 3.4/5$

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

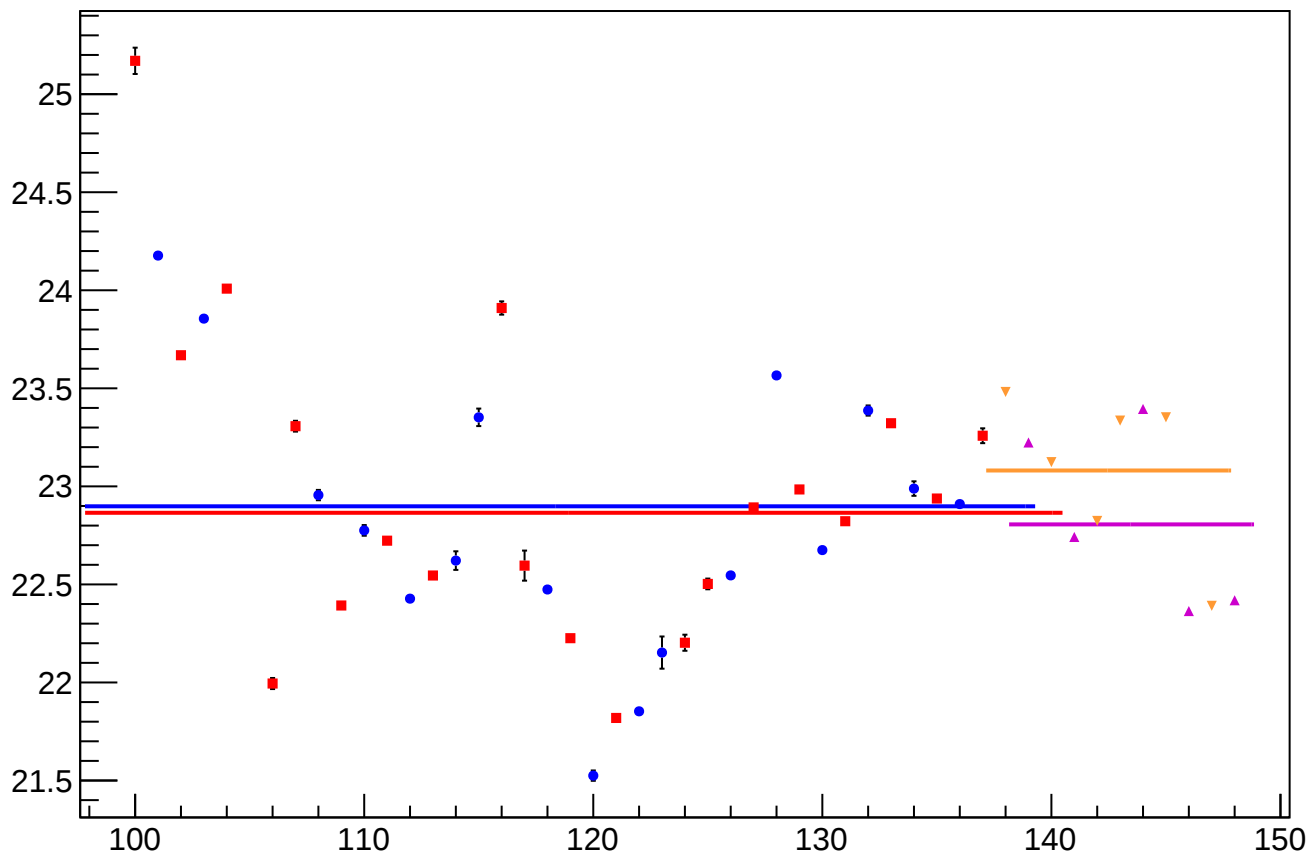
Left In: 19.750 ± 11.391 $\chi^2/\text{NDF}: 3.8/4$

9.389 ± 6.954 $\chi^2/\text{NDF}: 24.6/22$

14.454 ± 4.871 $\chi^2/\text{NDF}: 44.4/47$

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: 23.081 $\pm$ 0.008 χ^2 /NDF: 2395.9/5

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

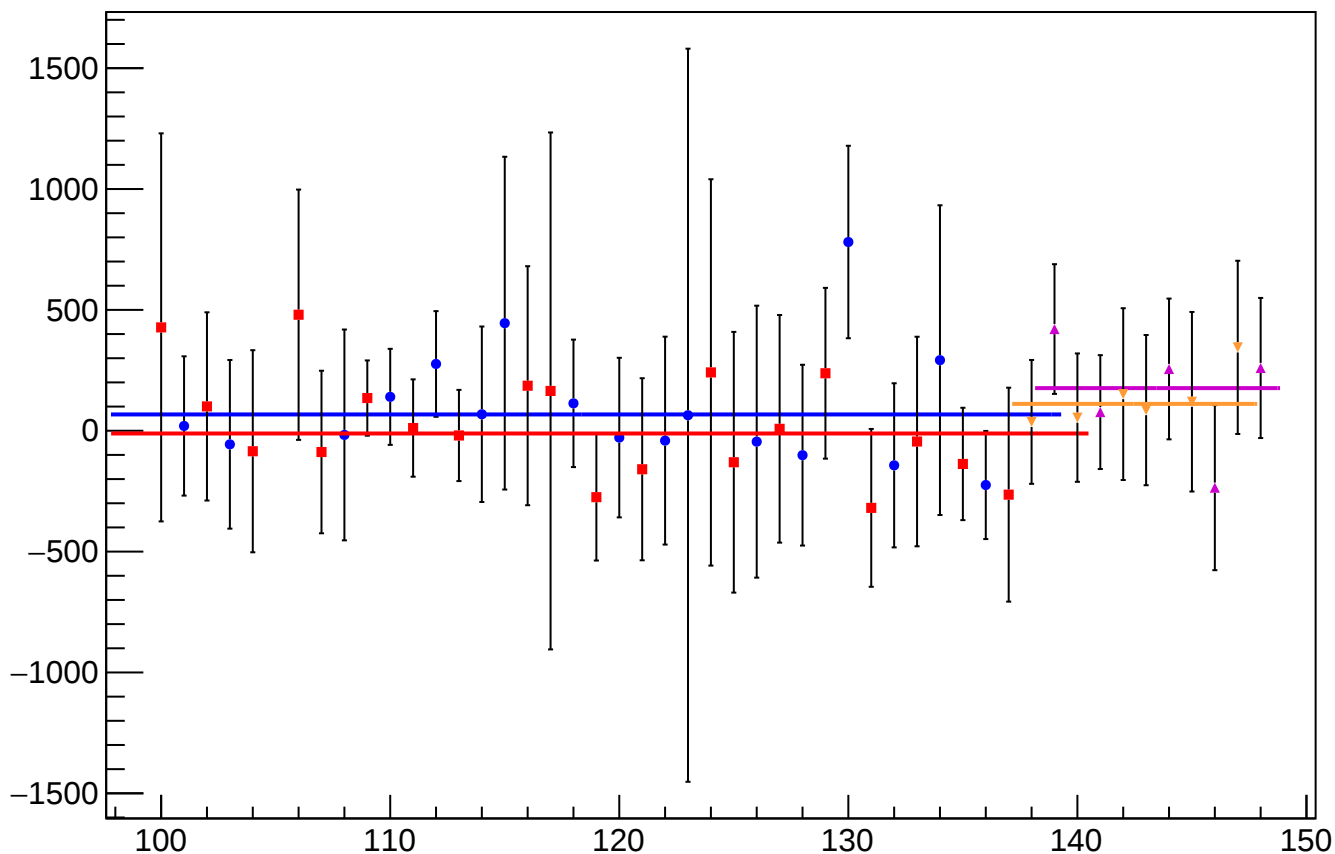
Left In: 22.806 $\pm$ 0.008 χ^2 /NDF: 2660.5/4

22.968 $\pm$ 0.005 χ^2 /NDF: 14863.9/22

22.905 $\pm$ 0.003 χ^2 /NDF: 28941.4/47

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: 111.096+/-126.258 χ^2/NDF : 0.6/5

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

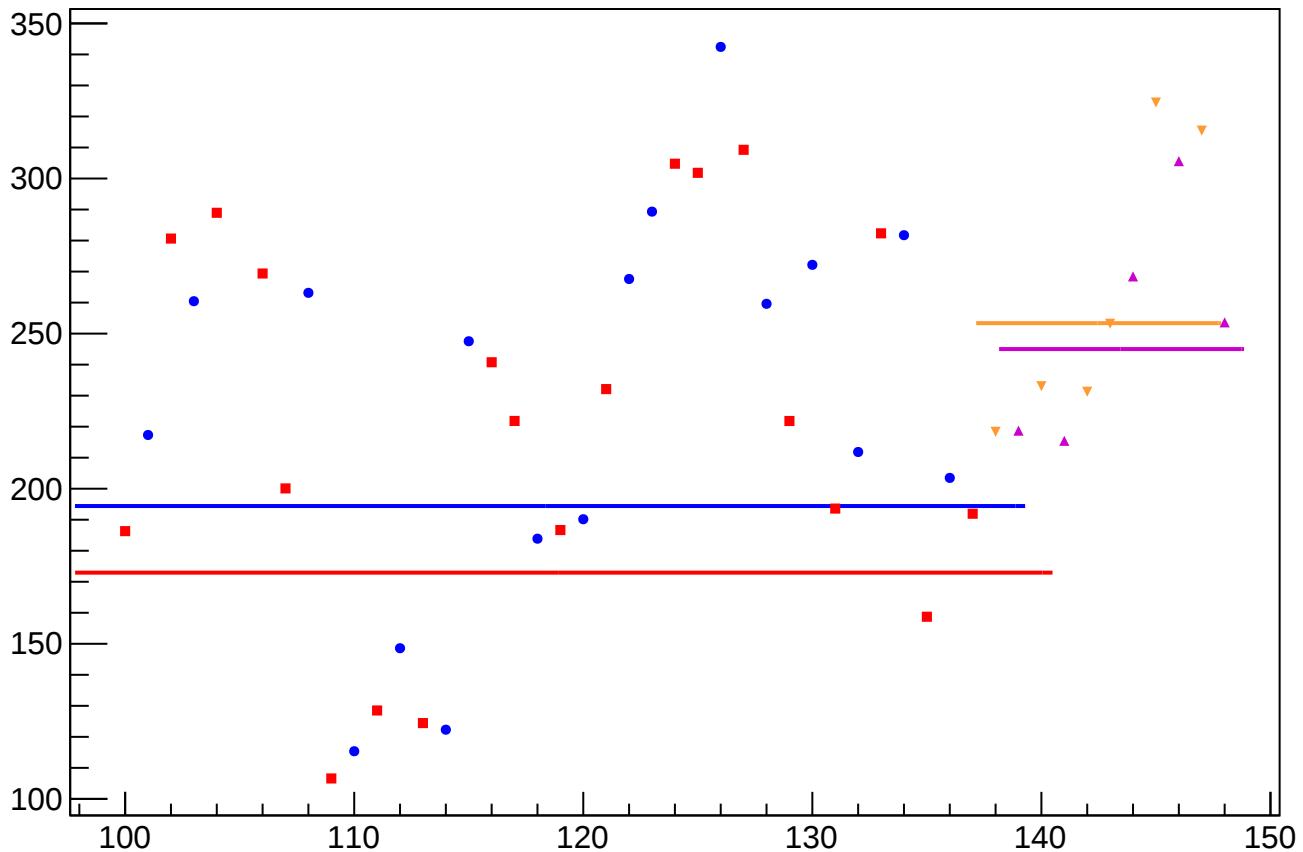
Left In: 176.350+/-124.808 χ^2/NDF : 2.6/4

79.819+/-67.216 χ^2/NDF : 8.0/22

54.632+/-45.248 χ^2/NDF : 18.4/47

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: 253.376 $\pm$ 0.089 χ^2 /NDF:190207.4/5

Right Out: 172.942 $\pm$ 0.050 χ^2 /NDF: 1600959.1/19

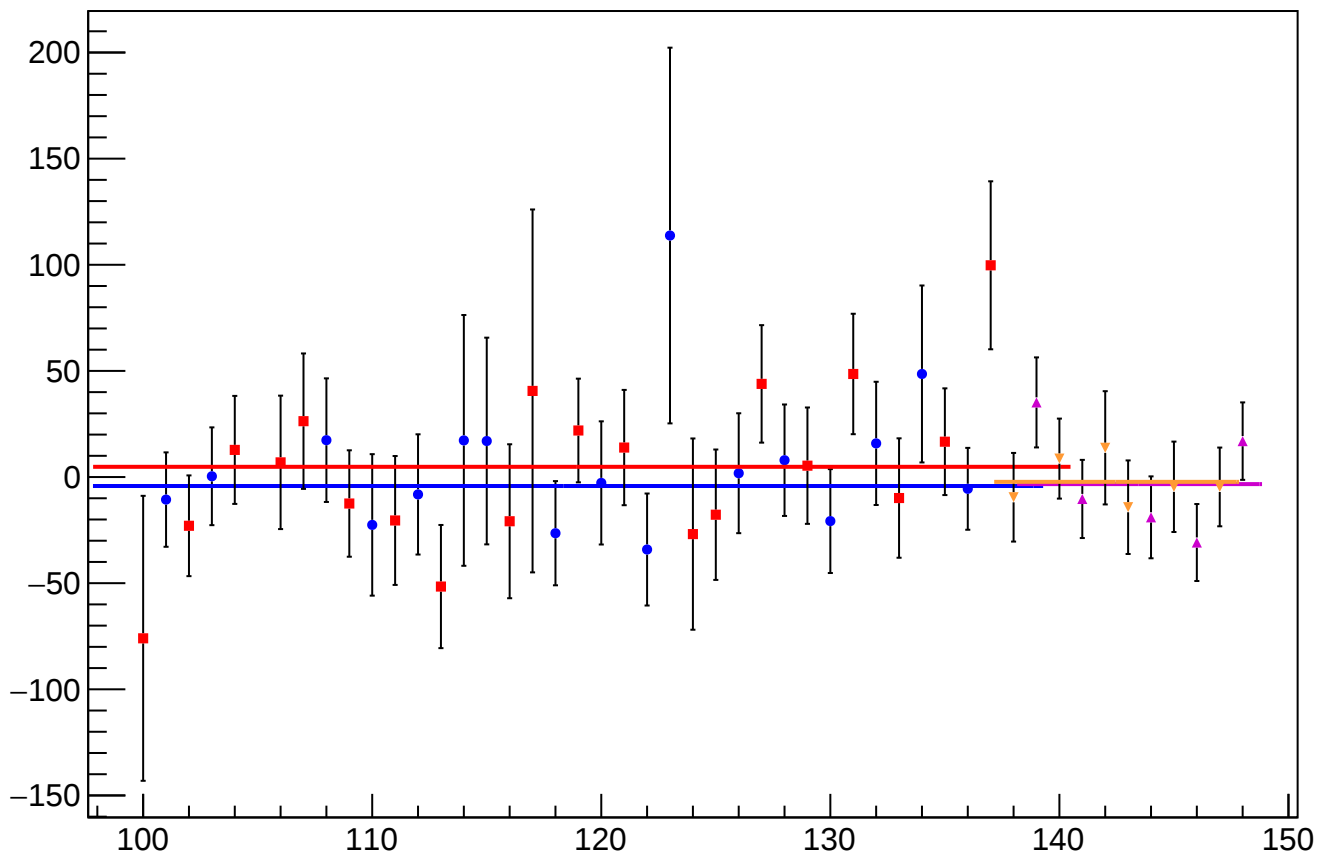
Left In: 245.020 $\pm$ 0.088 χ^2 /NDF:128433.9/4

211.122 $\pm$ 0.048 χ^2 /NDF: 1522704.6/22

199.717 $\pm$ 0.032 χ^2 /NDF: 3864122.1/47

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: -2.263 ± 8.548 χ^2/NDF : 1.1/5

Right Out: 4.820 ± 6.704 χ^2/NDF : 21.3/19

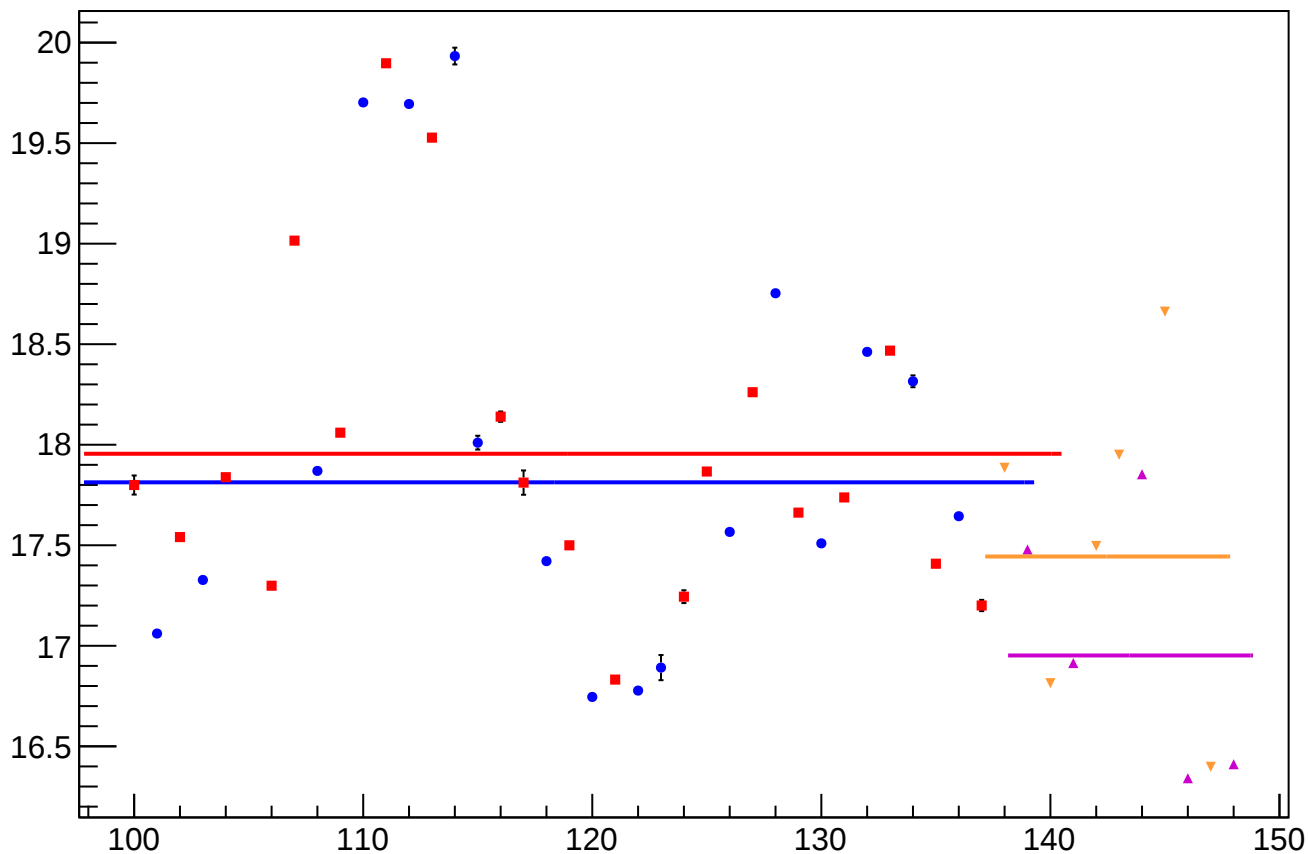
Left In: -3.327 ± 8.480 χ^2/NDF : 7.6/4

-3.453 ± 5.356 χ^2/NDF : 9.2/22

-0.837 ± 3.752 χ^2/NDF : 39.1/47

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: 17.444 $\pm$ 0.006 χ^2/NDF : 17093.8/5

Right Out: 17.955 $\pm$ 0.005 χ^2/NDF : 25451.0/19

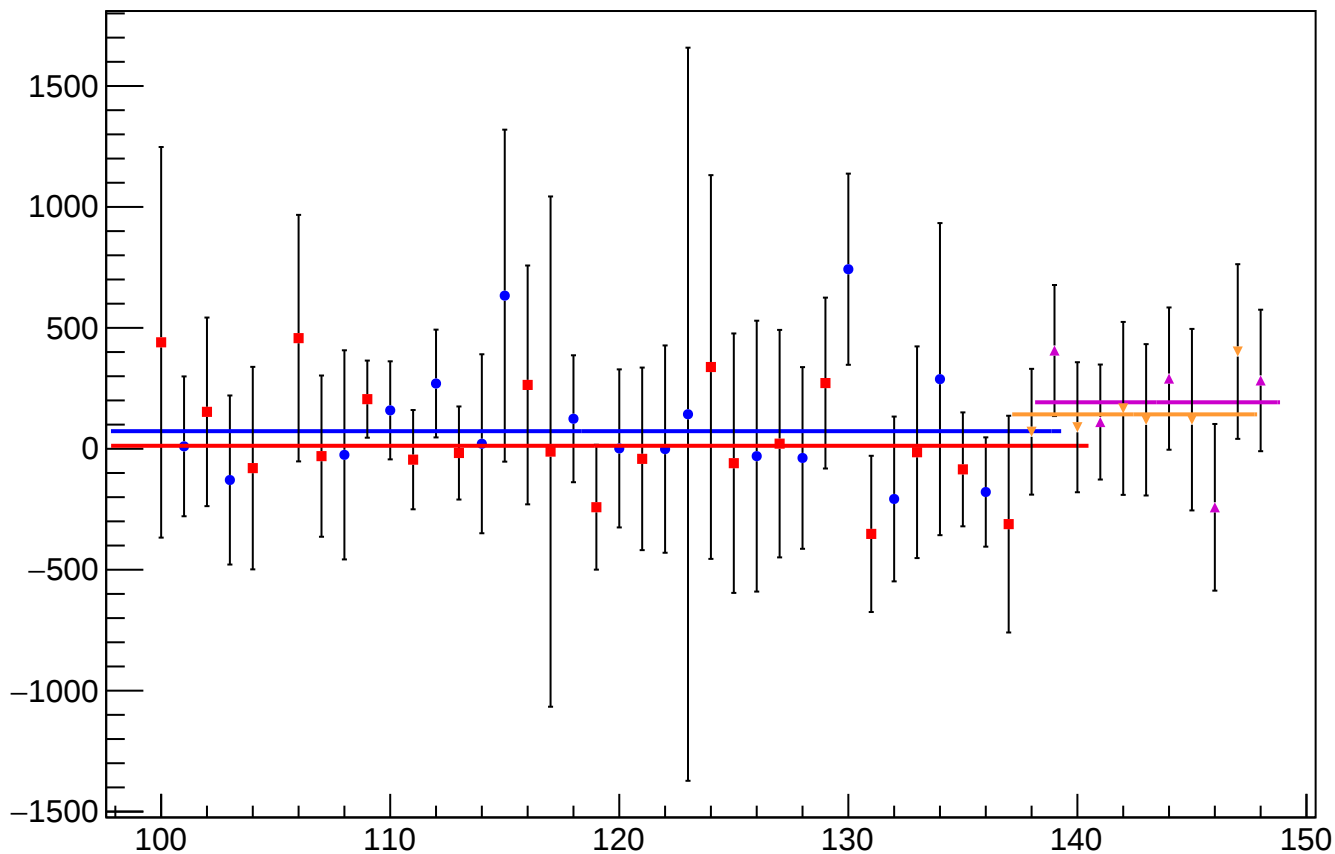
Left In: 16.952 $\pm$ 0.006 χ^2/NDF : 9634.3/4

17.668 $\pm$ 0.004 χ^2/NDF : 51391.4/22

17.618 $\pm$ 0.003 χ^2/NDF : 104047.3/47

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: 142.382 $\pm$ 127.584 χ^2 /NDF: 0.6/5

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

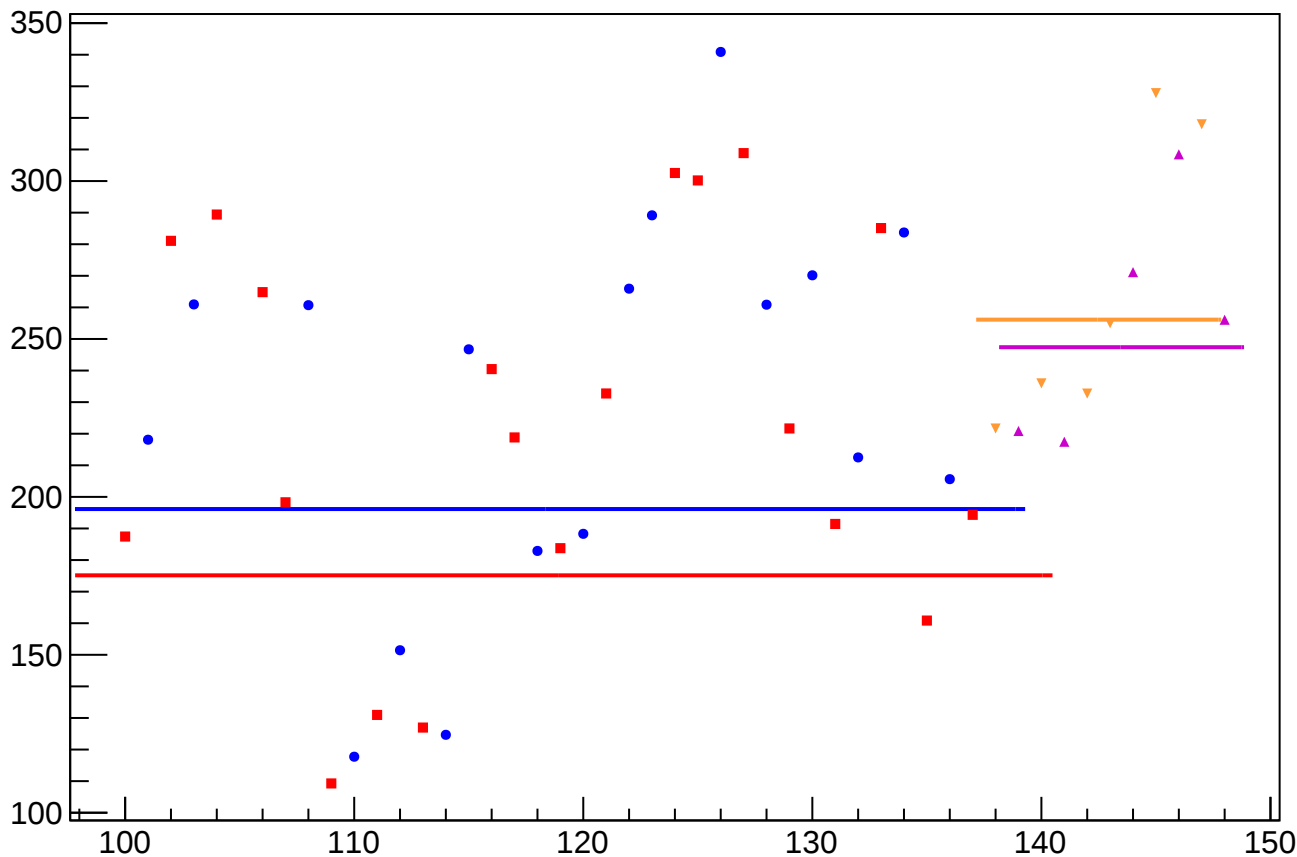
Left In: 192.314 $\pm$ 125.997 χ^2 /NDF: 2.5/4

92.482 $\pm$ 67.746 χ^2 /NDF: 8.1/22

72.376 $\pm$ 45.640 χ^2 /NDF: 19.1/47

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: 256.115 $\pm$ 0.090 χ^2 /NDF:186744.6/5

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

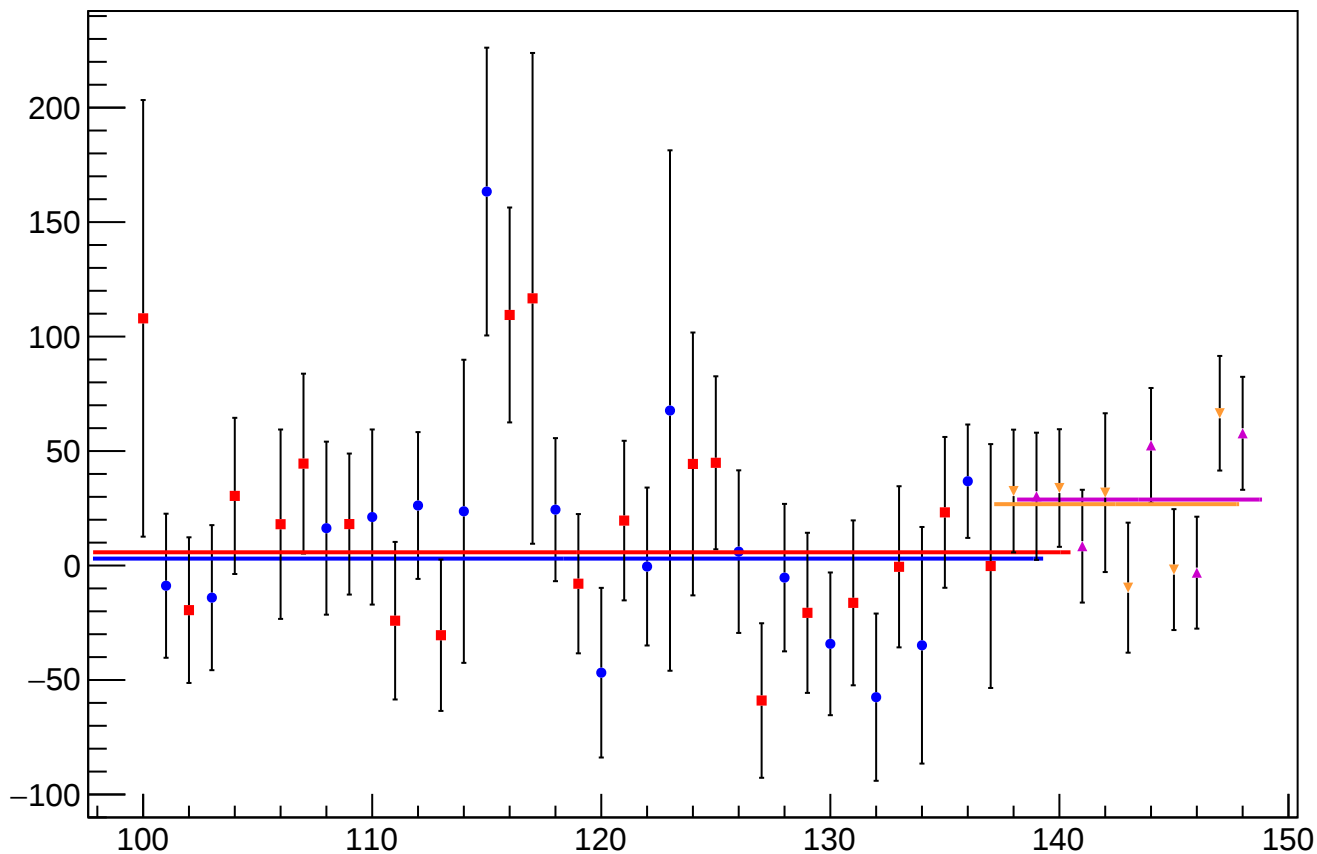
Left In: 247.392 $\pm$ 0.089 χ^2 /NDF:128545.0/4

213.058 $\pm$ 0.048 χ^2 /NDF: 1468973.1/22

201.839 $\pm$ 0.032 χ^2 /NDF: 3711700.0/47

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 $\pm$ 8.751 χ^2 /NDF: 17.2/16

Left Out: 26.802 $\pm$ 11.175 χ^2 /NDF: 5.5/5

Right Out: 5.786 $\pm$ 8.451 χ^2 /NDF: 18.3/19

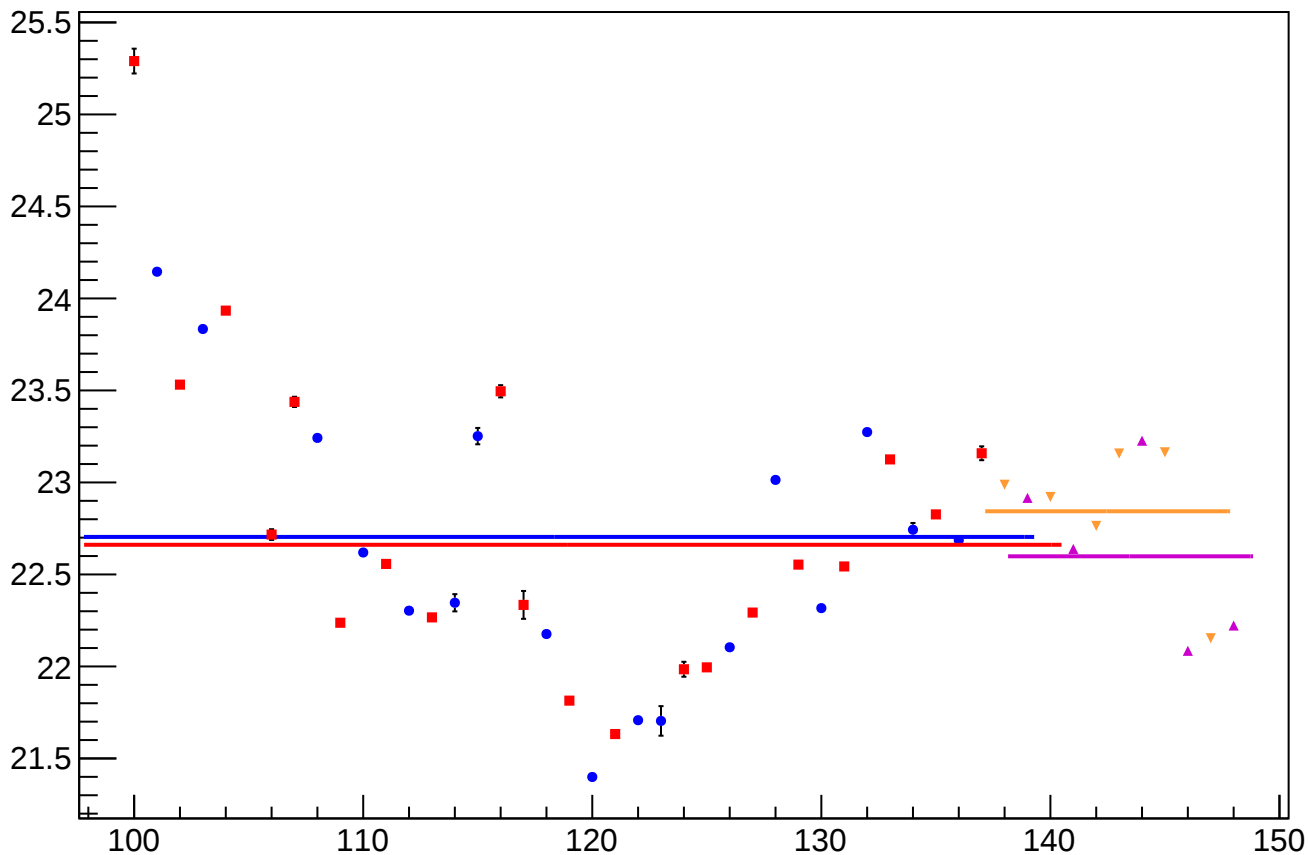
Left In: 28.815 $\pm$ 11.287 χ^2 /NDF: 4.7/4

12.062 $\pm$ 6.890 χ^2 /NDF: 25.5/22

13.078 $\pm$ 4.827 χ^2 /NDF: 51.1/47

14.058 $\pm$ 6.765 χ^2 /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: 22.843+/-0.008 χ^2/NDF : 2145.4/5

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

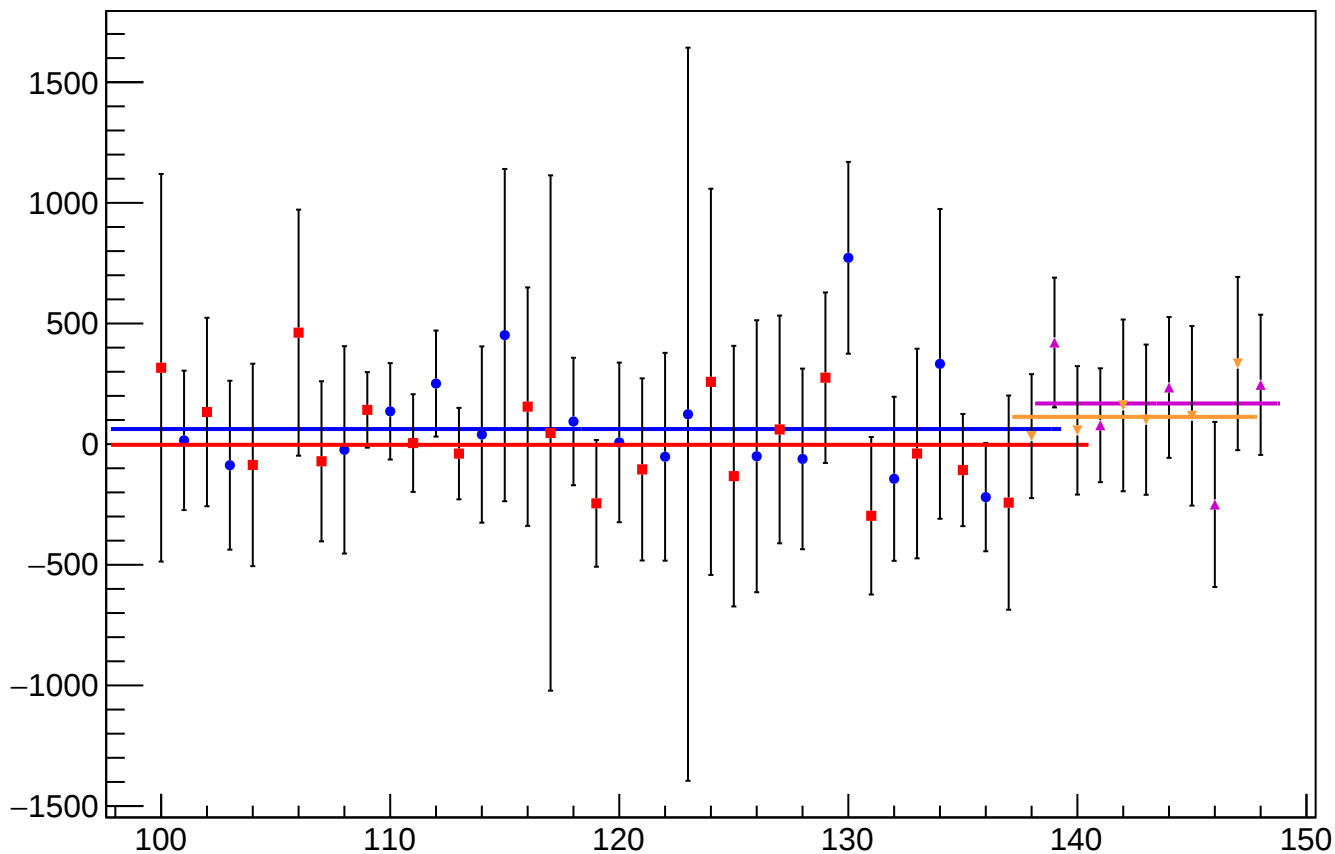
Left In: 22.599+/-0.008 χ^2/NDF : 2869.8/4

22.757+/-0.005 χ^2/NDF : 16444.0/22

22.697+/-0.003 χ^2/NDF : 32615.3/47

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: 113.050+/-126.549 χ^2/NDF : 0.5/5

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

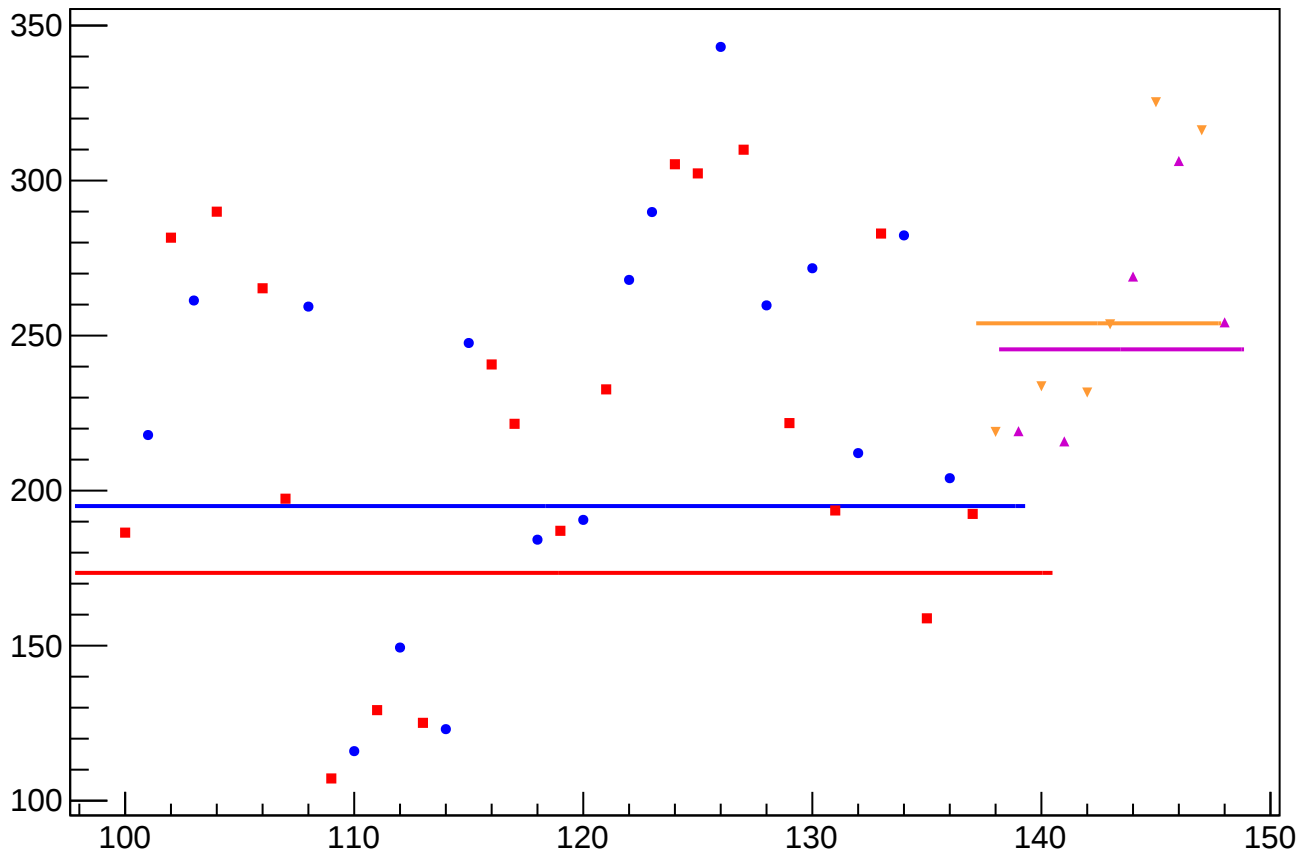
Left In: 168.510+/-125.085 χ^2/NDF : 2.6/4

76.884+/-67.382 χ^2/NDF : 7.7/22

55.814+/-45.355 χ^2/NDF : 17.2/47

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+/-0.056 χ^2/NDF : 1004284.9/16

Left Out: 253.961+/-0.089 χ^2/NDF :190136.5/5

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

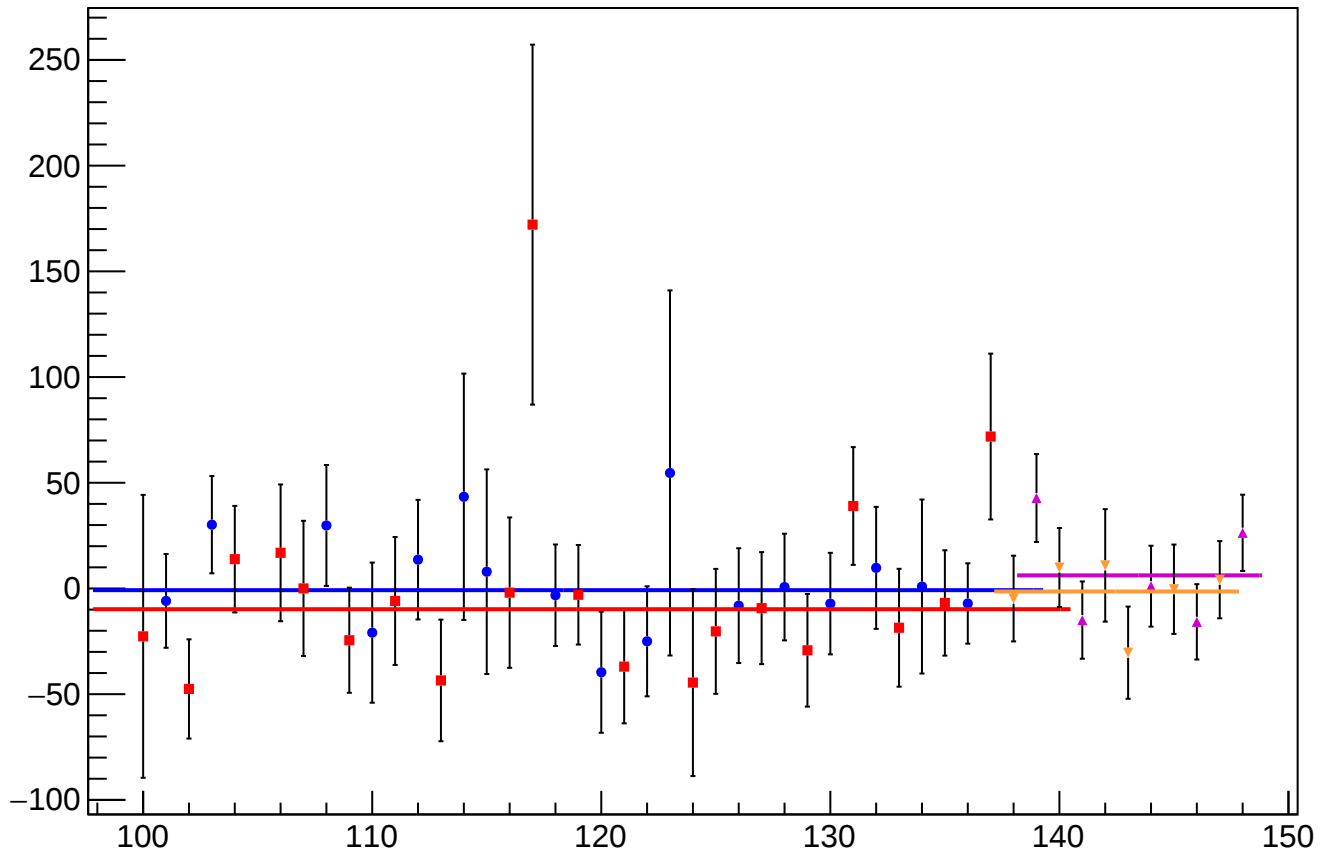
Left In: 245.564+/-0.088 χ^2/NDF :128677.9/4

211.732+/-0.048 χ^2/NDF : 1505258.5/22

200.284+/-0.032 χ^2/NDF : 3826426.9/47

190.801+/-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 ± 6.770 χ^2/NDF : 7.8/16

Left Out: -1.418 ± 8.435 χ^2/NDF : 2.5/5

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

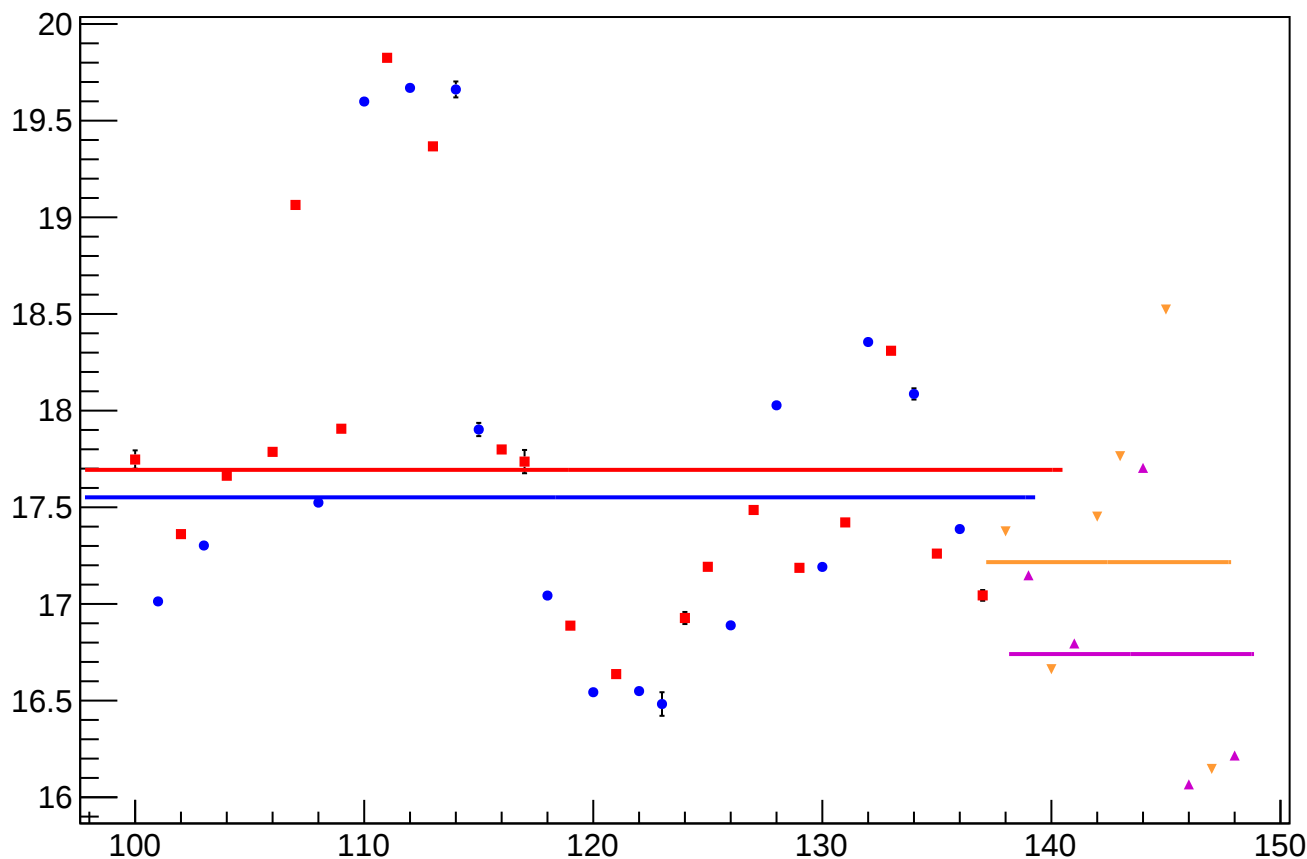
Left In: 6.200 ± 8.373 χ^2/NDF : 7.3/4

-1.043 ± 5.280 χ^2/NDF : 10.2/22

-2.378 ± 3.700 χ^2/NDF : 40.4/47

-3.667 ± 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+/-0.005 χ^2/NDF : 34027.1/16

Left Out: 17.216+/-0.006 χ^2/NDF : 17811.9/5

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

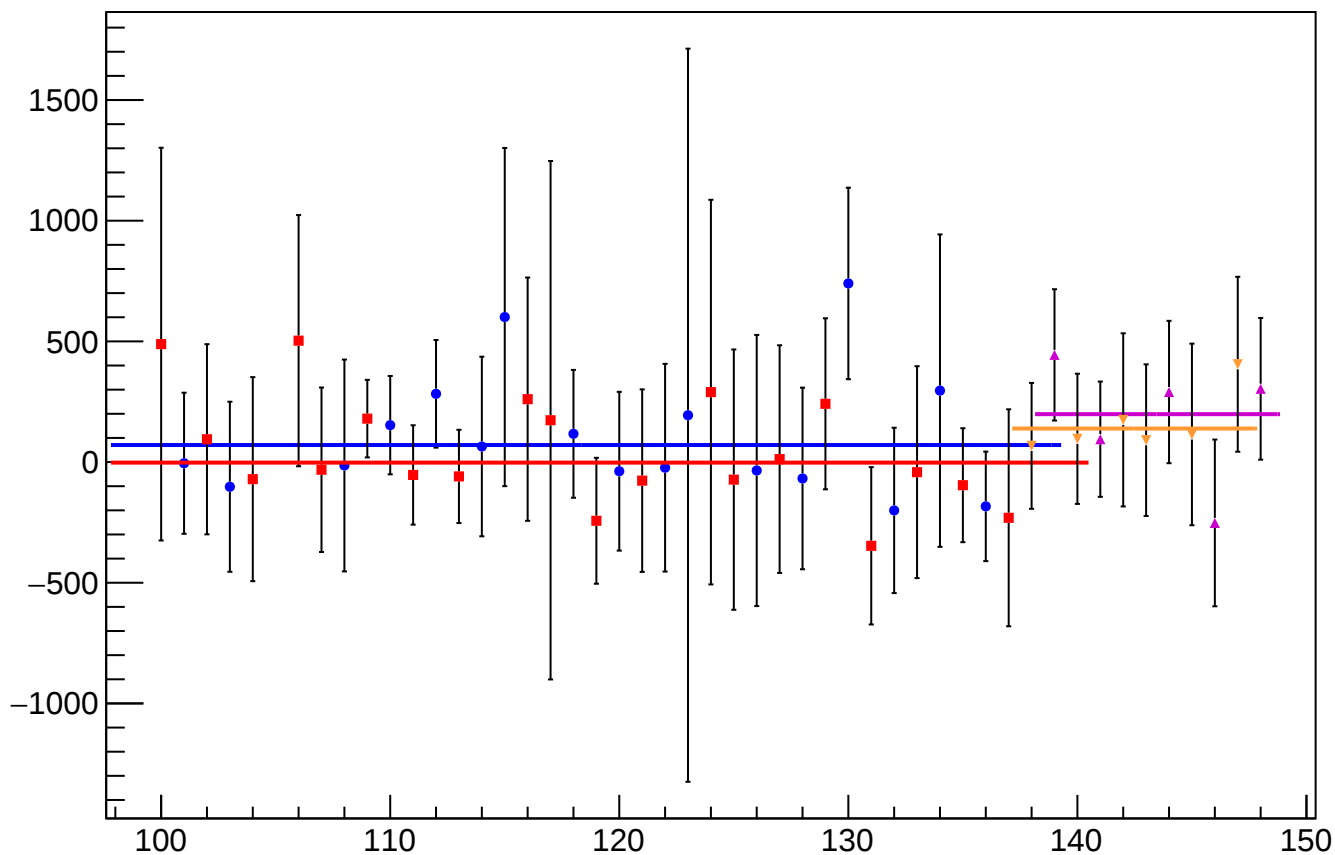
Left In: 16.741+/-0.006 χ^2/NDF : 10411.8/4

17.420+/-0.004 χ^2/NDF : 53759.8/22

17.373+/-0.003 χ^2/NDF : 111187.0/47

17.328+/-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+/-80.409 χ^2/NDF : 7.2/16

Left Out: 138.994+/-127.997 χ^2/NDF : 0.7/5

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

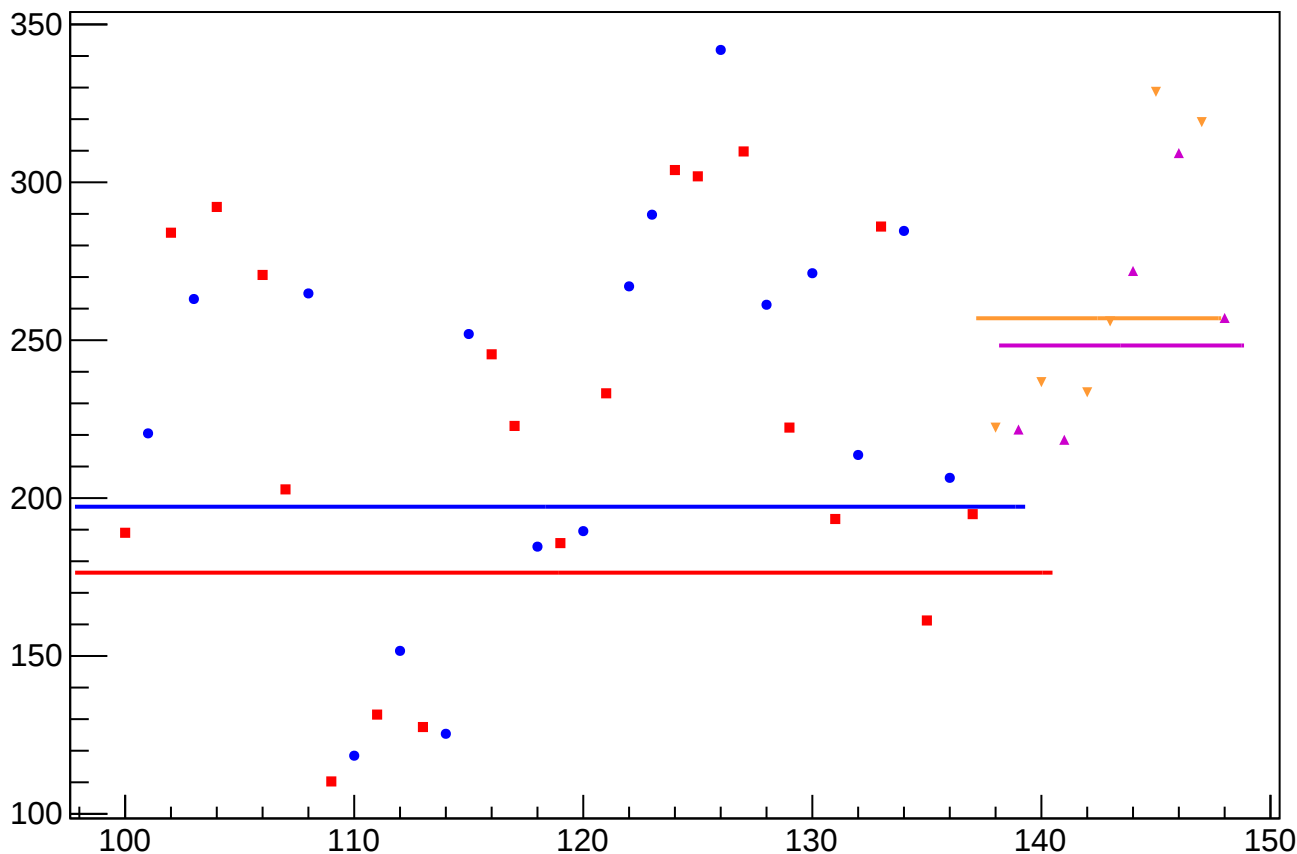
Left In: 198.473+/-126.458 χ^2/NDF : 2.9/4

89.978+/-68.088 χ^2/NDF : 8.1/22

66.090+/-45.899 χ^2/NDF : 19.3/47

46.192+/-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: 256.948 $\pm$ 0.091 χ^2 /NDF:186534.6/5

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

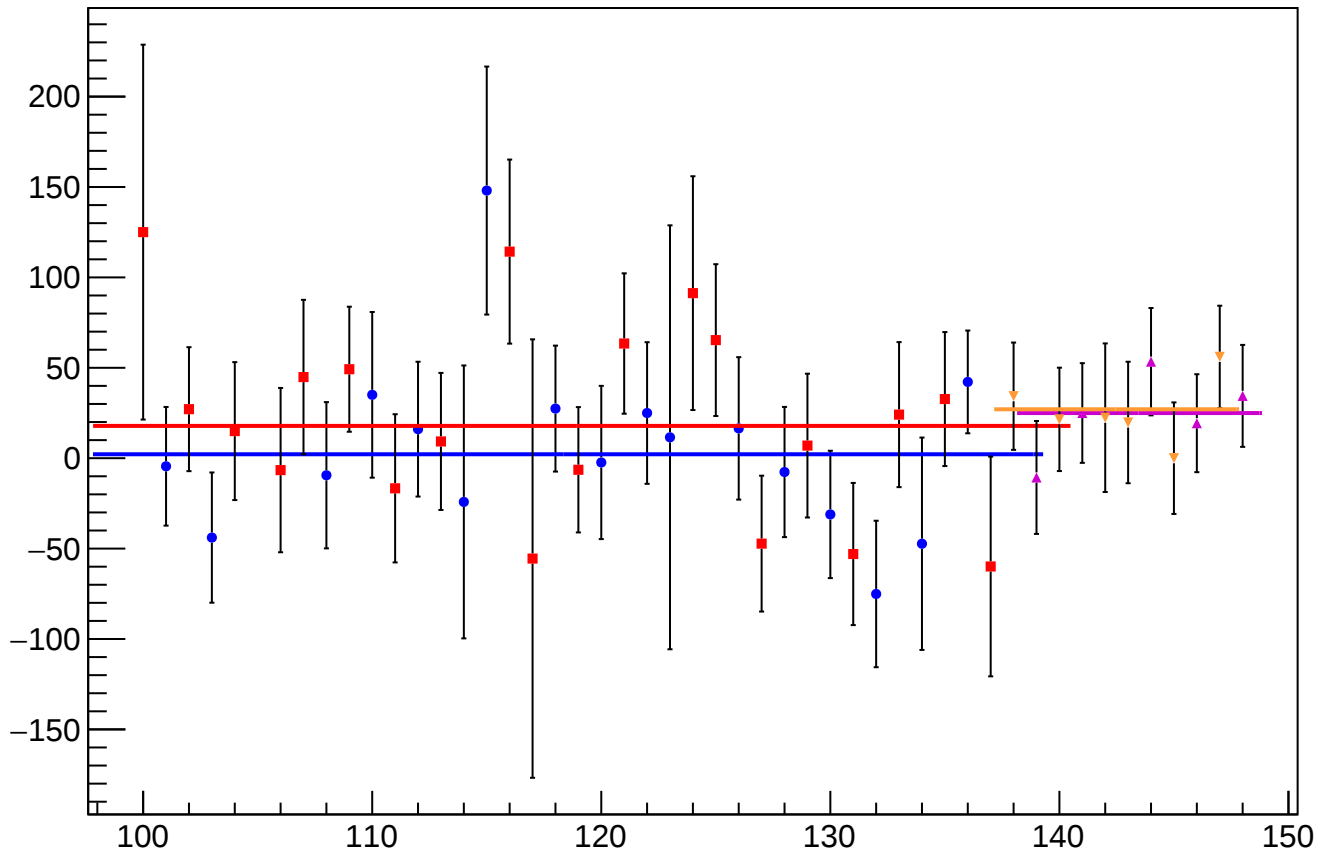
Left In: 248.328 $\pm$ 0.089 χ^2 /NDF:127220.3/4

214.158 $\pm$ 0.048 χ^2 /NDF: 1467814.0/22

203.029 $\pm$ 0.032 χ^2 /NDF: 3707438.3/47

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: 27.055 ± 12.765 $\chi^2/\text{NDF}: 2.0/5$

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

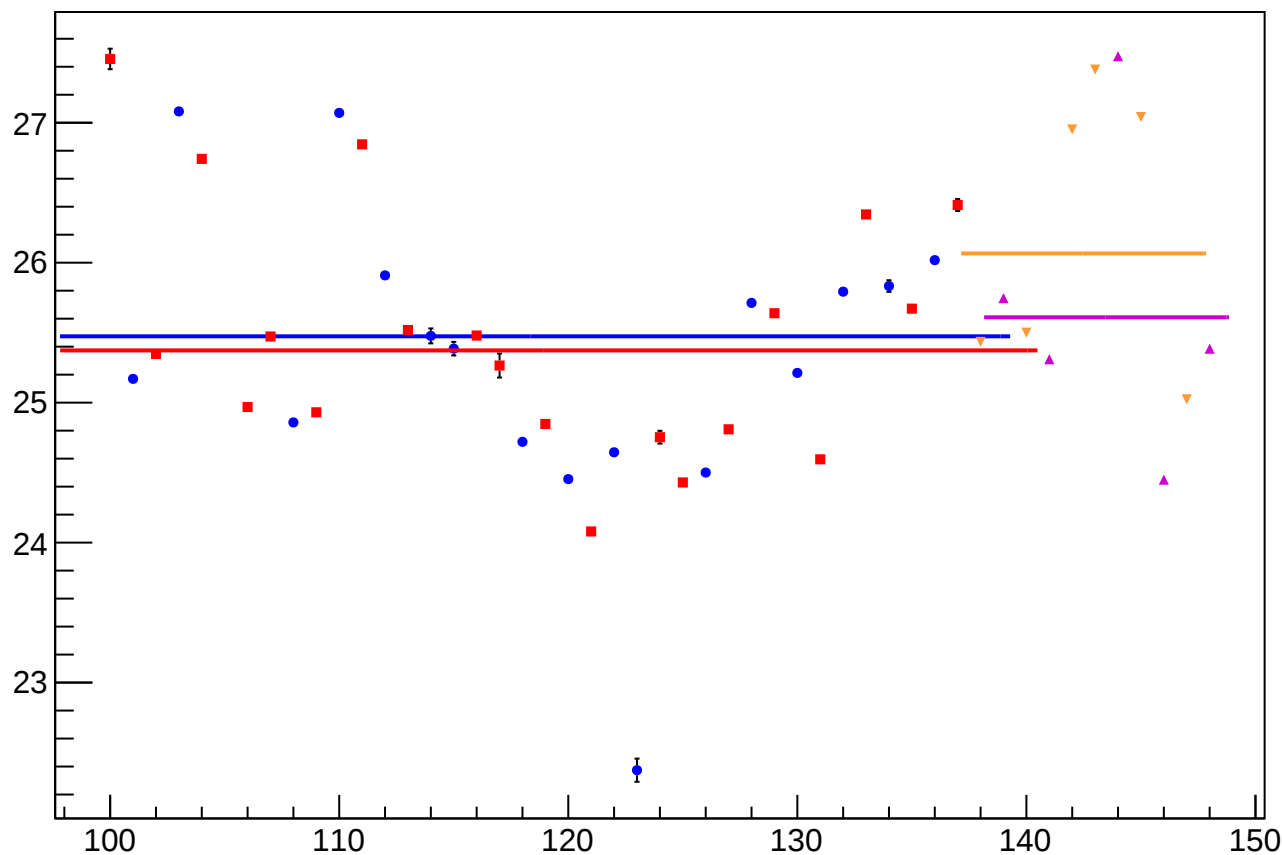
Left In: 24.976 ± 12.809 $\chi^2/\text{NDF}: 2.4/4$

11.433 ± 7.786 $\chi^2/\text{NDF}: 19.7/22$

16.006 ± 5.444 $\chi^2/\text{NDF}: 42.9/47$

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: 26.066+/-0.009 χ^2/NDF :10388.8/5

Right Out: 25.373+/-0.007 χ^2/NDF : 13582.8/19

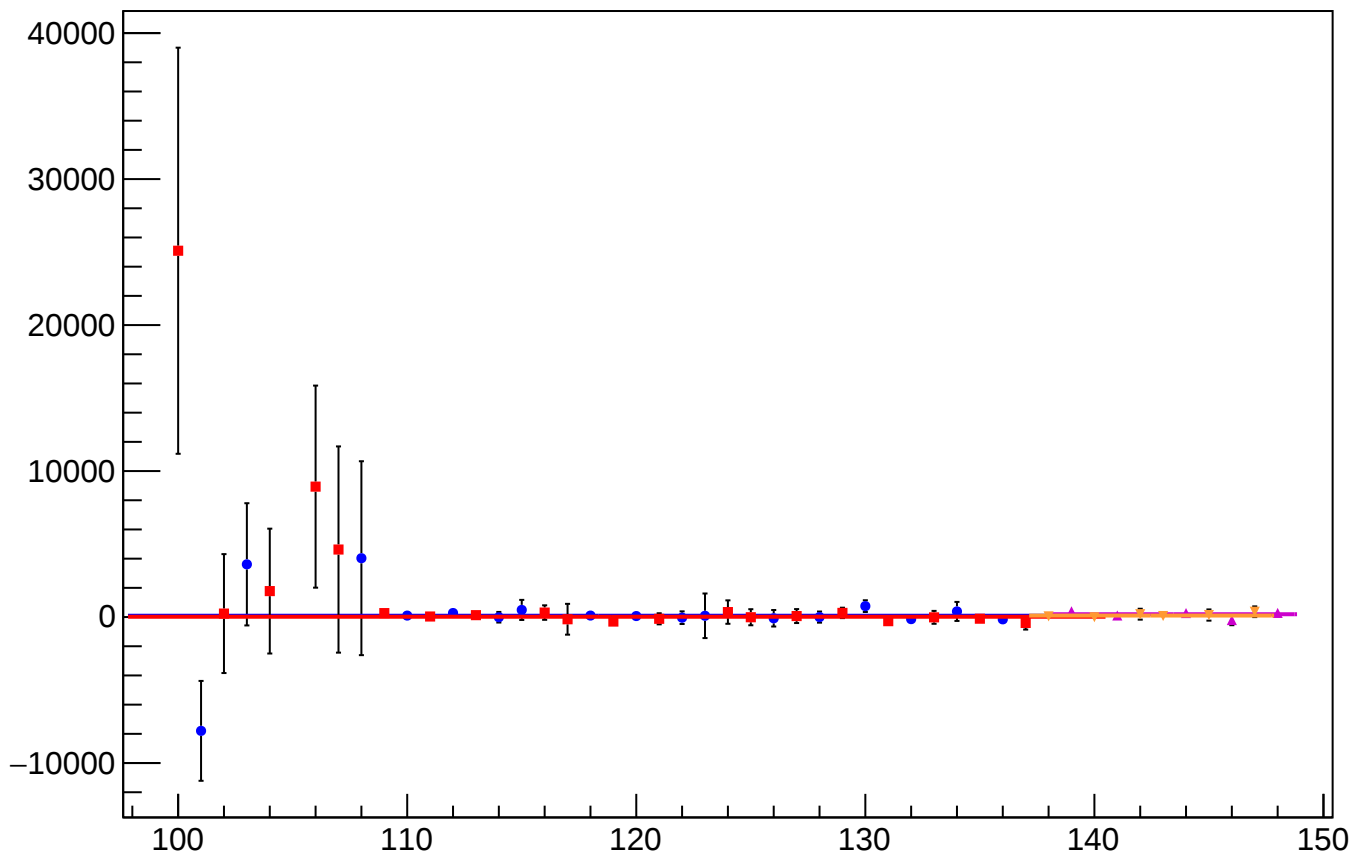
Left In: 25.610+/-0.009 χ^2/NDF :11961.6/4

25.694+/-0.006 χ^2/NDF : 27153.0/22

25.573+/-0.004 χ^2/NDF : 54088.5/47

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: 103.182+/-128.775 χ^2/NDF : 0.8/5

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

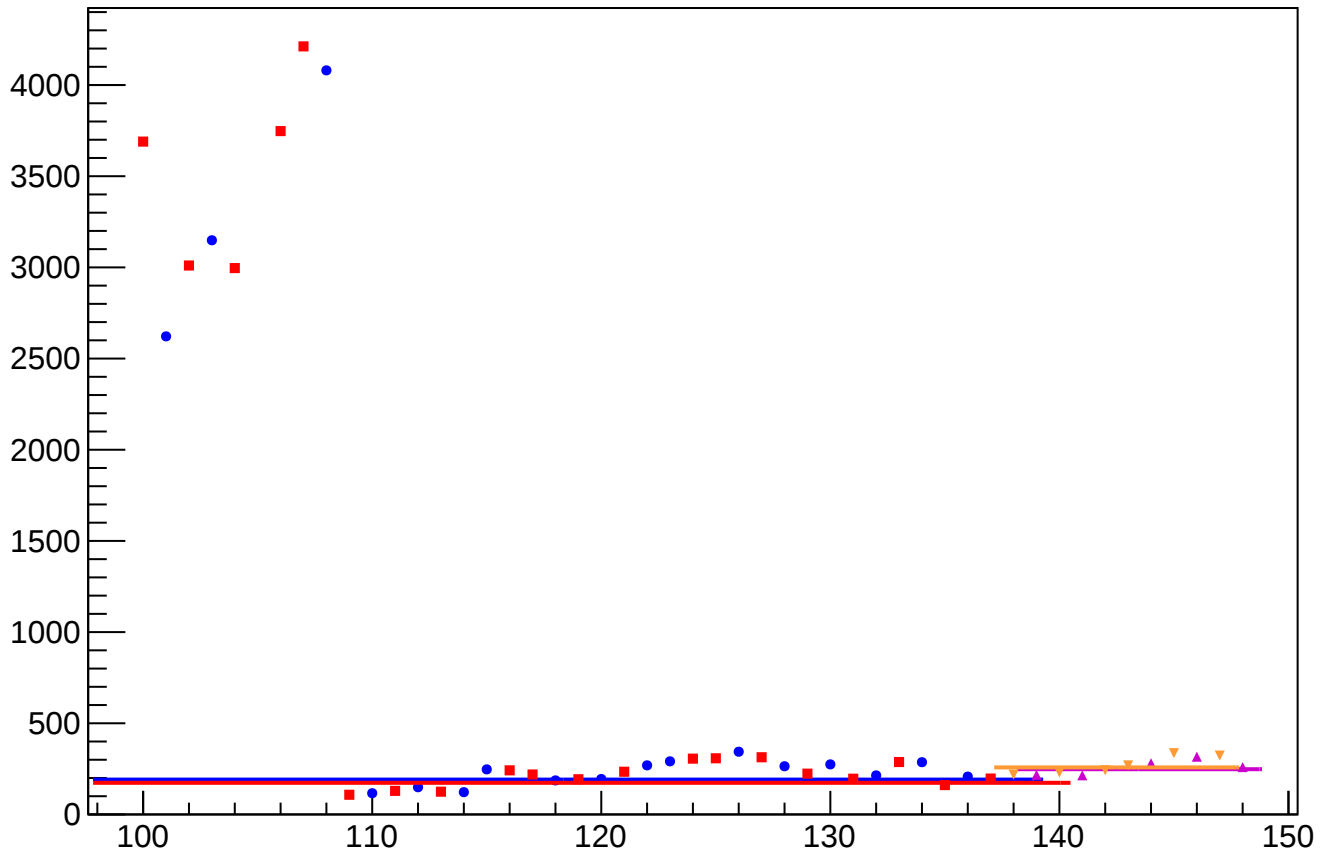
Left In: 193.070+/-126.715 χ^2/NDF : 2.1/4

93.911+/-72.447 χ^2/NDF : 13.1/22

81.765+/-49.599 χ^2/NDF : 28.5/47

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 $\pm$ 0.062 χ^2 /NDF: 3571747.5/16

Left Out: 257.918 $\pm$ 0.091 χ^2 /NDF: 220823.8/5

Right Out: 173.536 $\pm$ 0.057 χ^2 /NDF: 4210933.2/19

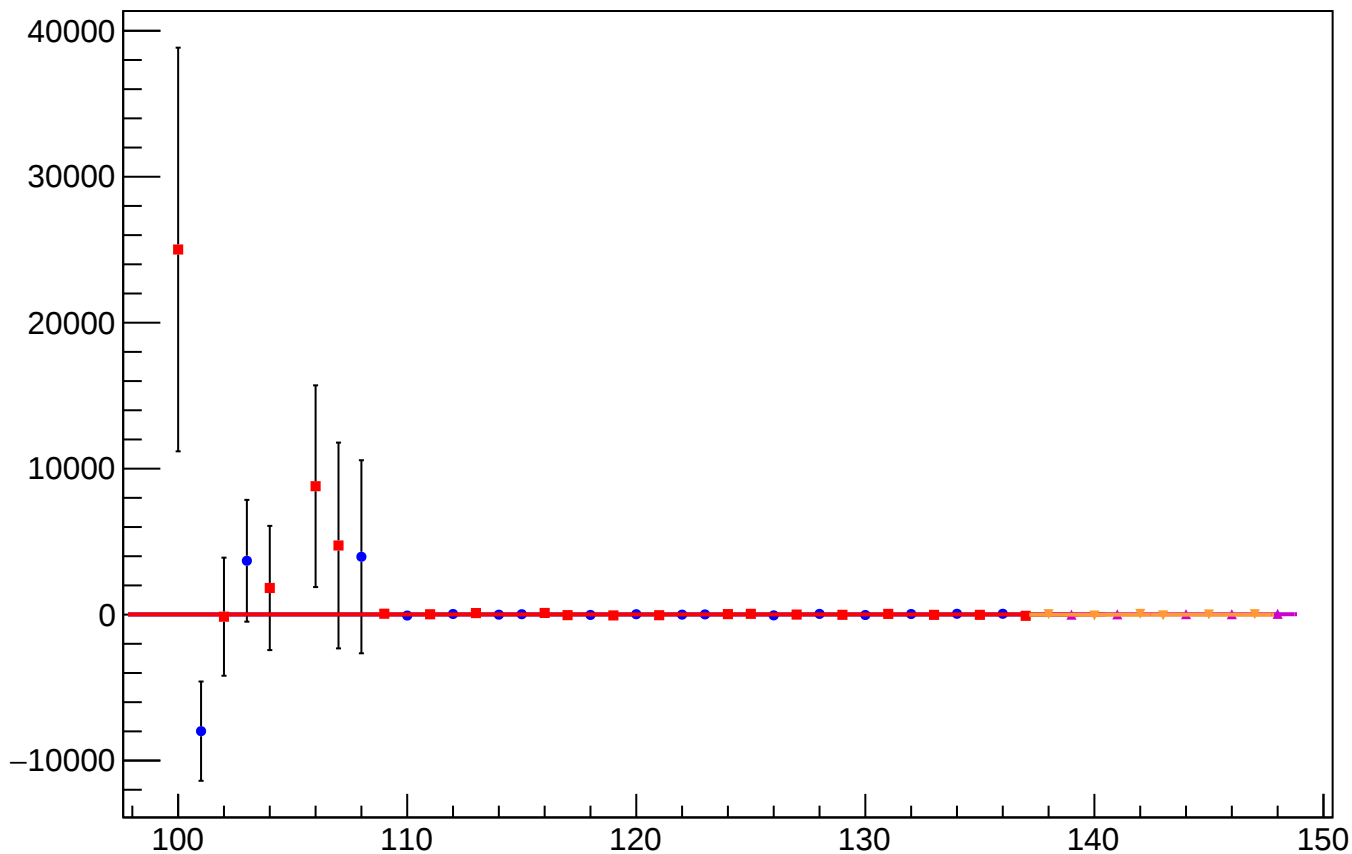
Left In: 248.148 $\pm$ 0.090 χ^2 /NDF: 168443.4/4

212.310 $\pm$ 0.051 χ^2 /NDF: 4159620.5/22

203.142 $\pm$ 0.035 χ^2 /NDF: 9092729.0/47

195.053 $\pm$ 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: -3.565+/-14.802 χ^2/NDF : 7.8/5

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

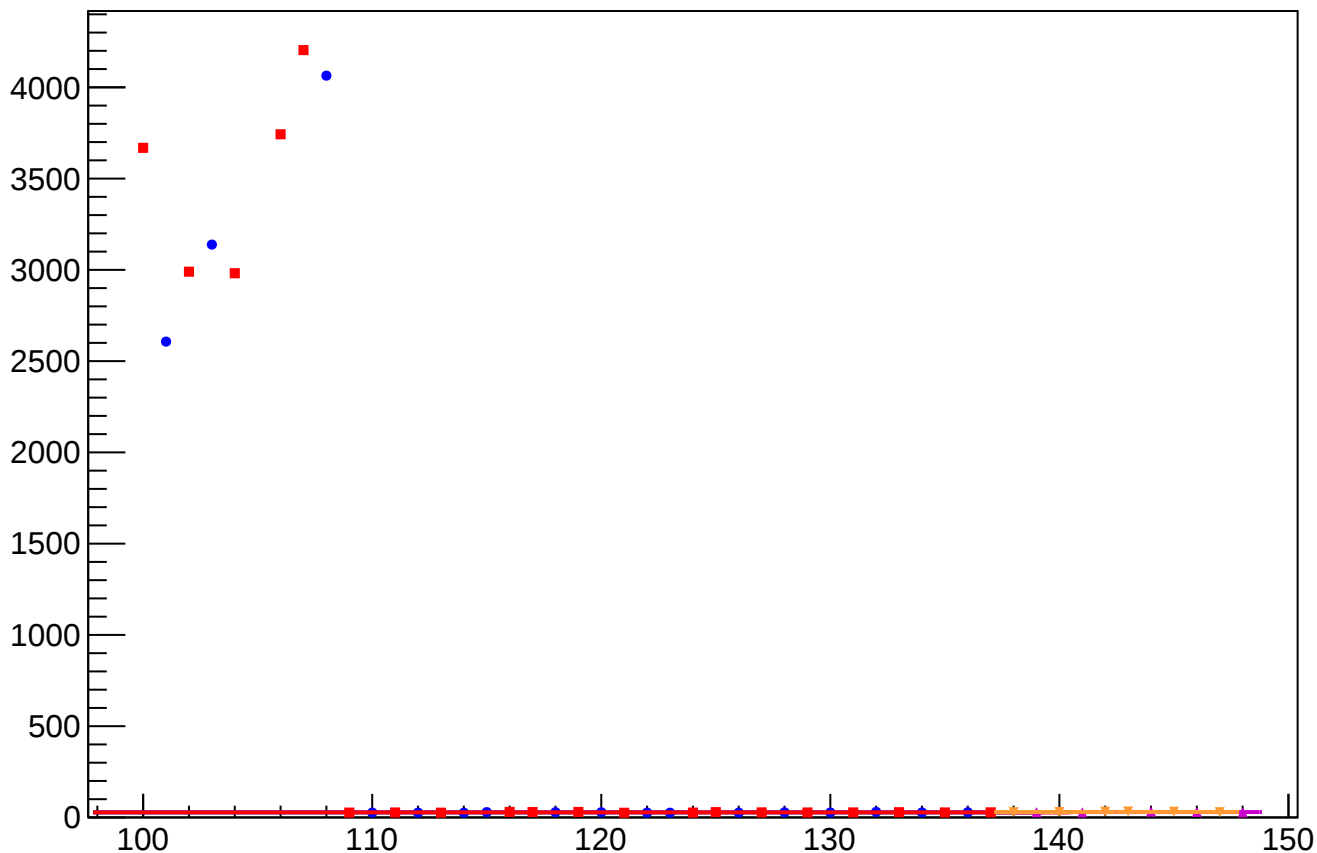
Left In: 25.980+/-14.771 χ^2/NDF : 1.5/4

4.756+/-9.410 χ^2/NDF : 26.6/22

11.387+/-6.649 χ^2/NDF : 54.1/47

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: 30.146 $\pm$ 0.010 χ^2 /NDF:19401.3/5

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

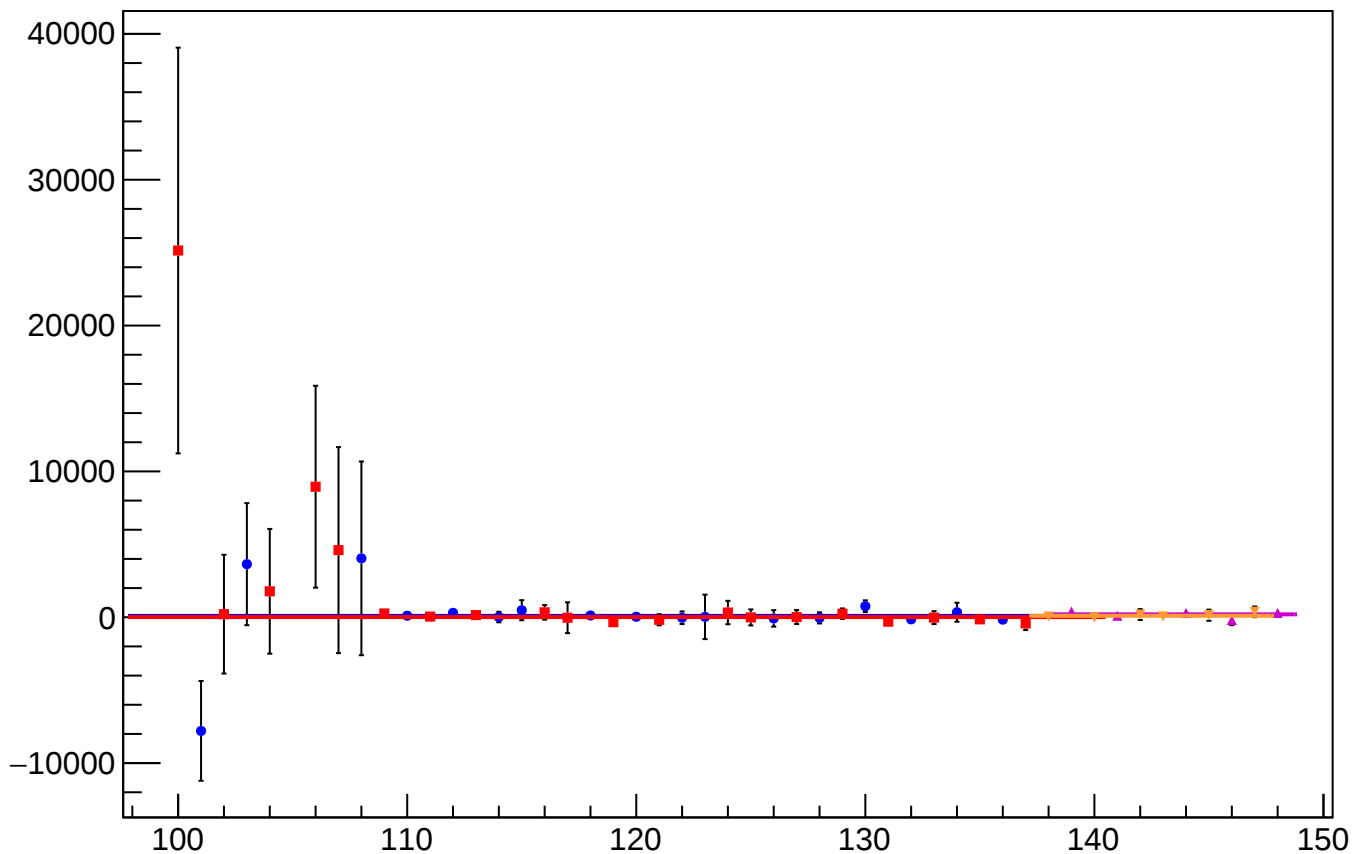
Left In: 29.499 $\pm$ 0.010 χ^2 /NDF:21790.6/4

28.770 $\pm$ 0.007 χ^2 /NDF: 3075297.5/22

28.601 $\pm$ 0.005 χ^2 /NDF: 6592995.5/47

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: 101.768+/-128.482 χ^2/NDF : 0.9/5

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

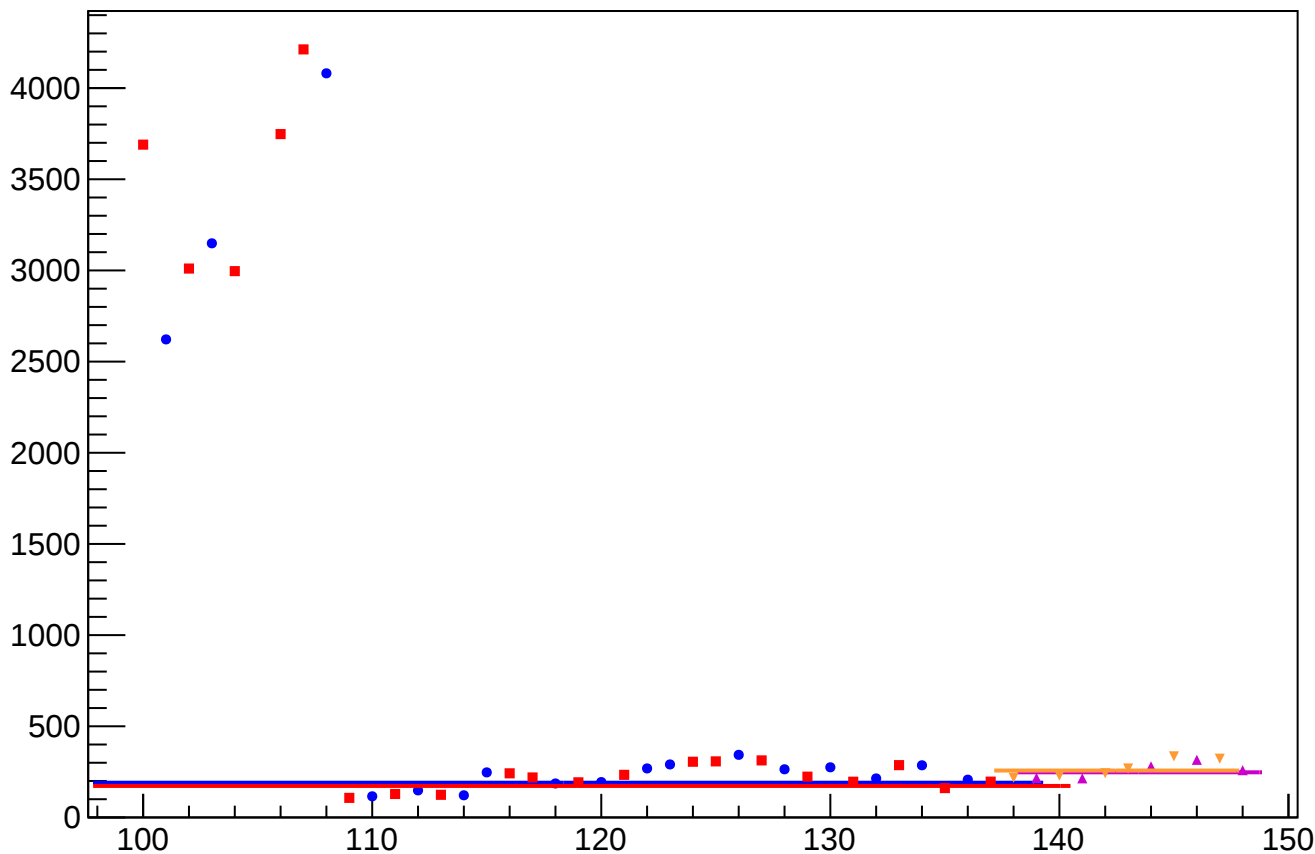
Left In: 200.662+/-126.440 χ^2/NDF : 2.1/4

95.662+/-72.241 χ^2/NDF : 13.5/22

80.268+/-49.457 χ^2/NDF : 29.9/47

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: 257.325+/-0.091 χ^2/NDF :221145.1/5

Right Out: 172.872+/-0.057 χ^2/NDF : 4222275.2/19

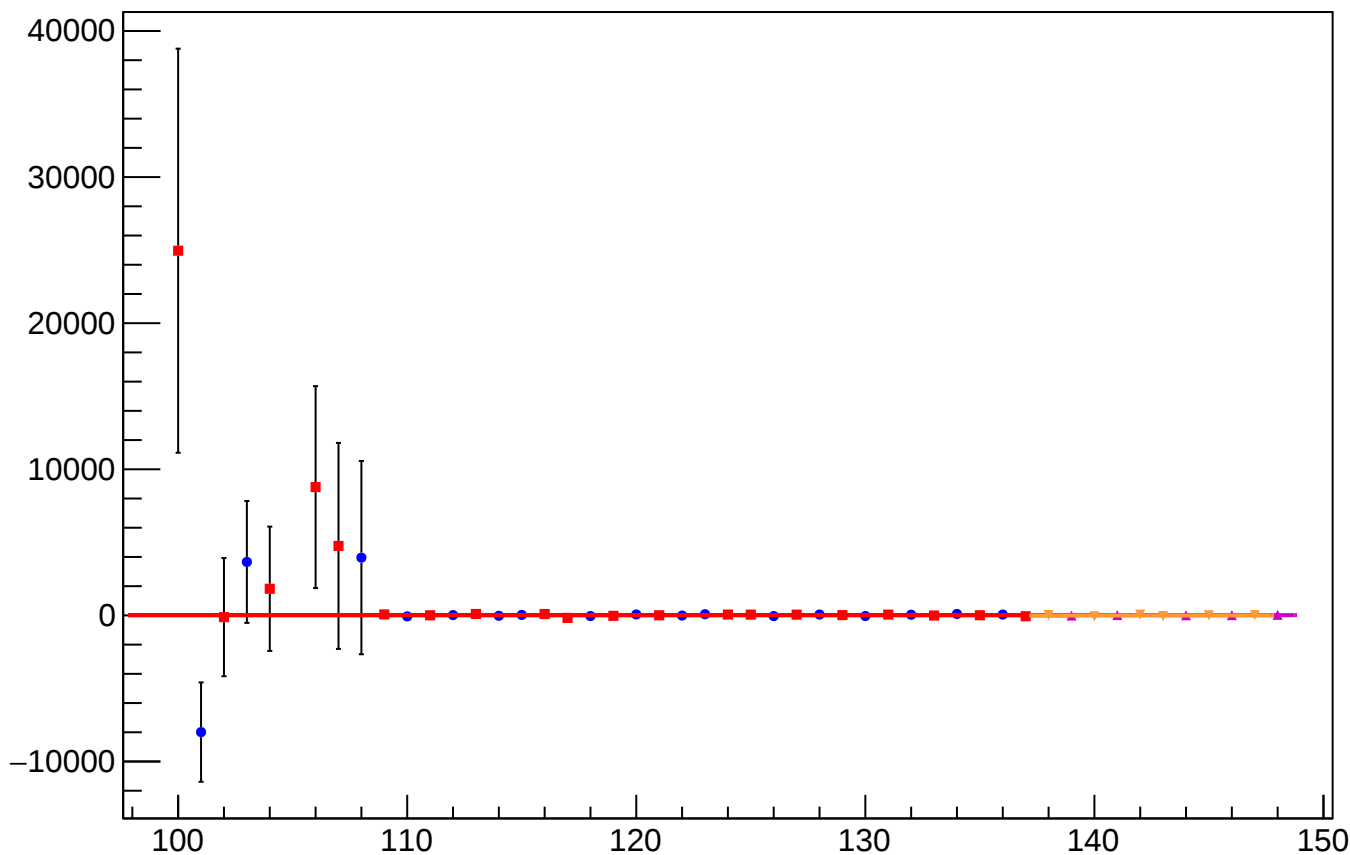
Left In: 247.610+/-0.089 χ^2/NDF :168244.2/4

211.617+/-0.051 χ^2/NDF : 4174871.6/22

202.466+/-0.035 χ^2/NDF : 9123363.9/47

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: -6.367 $\pm$ 14.904 χ^2 /NDF: 6.5/5

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

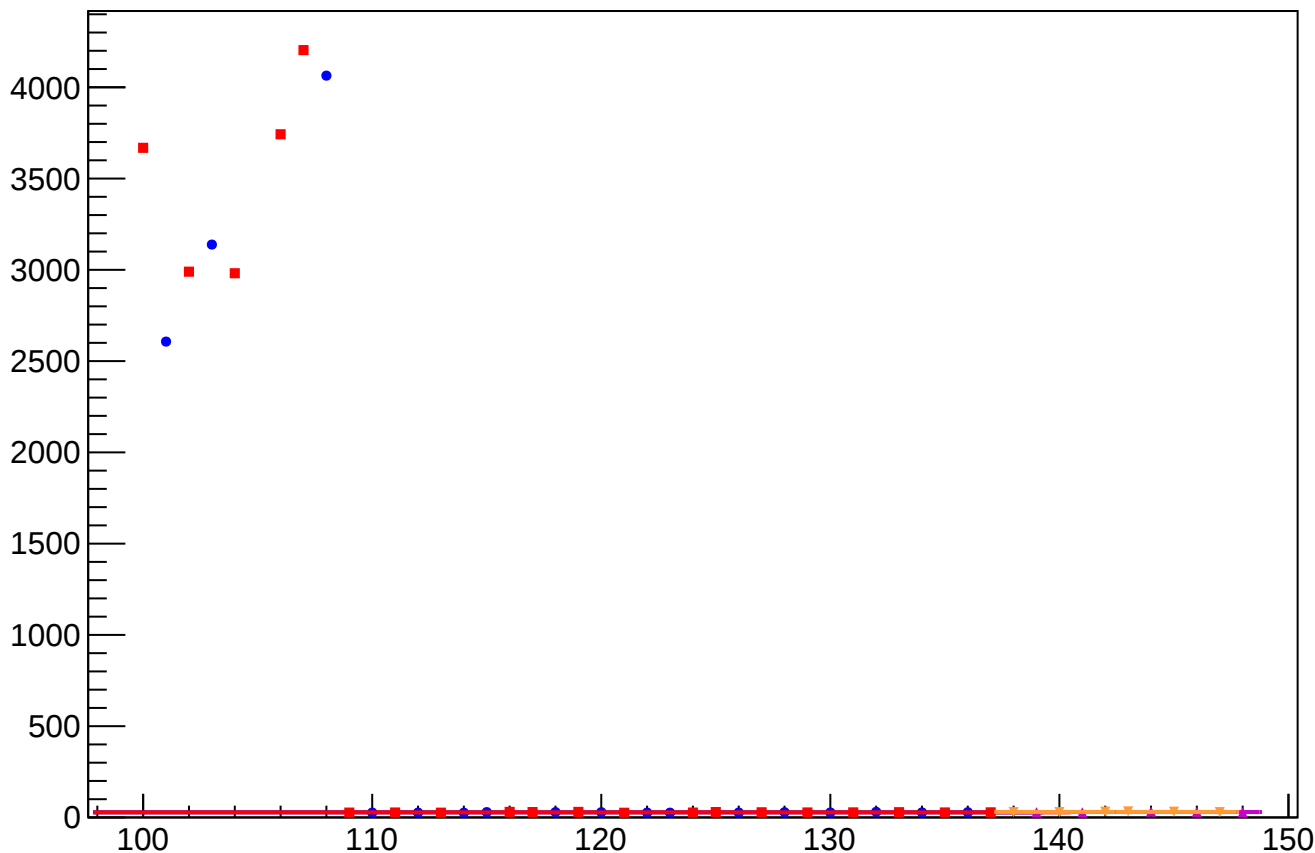
Left In: 18.083 $\pm$ 14.866 χ^2 /NDF: 1.1/4

3.148 $\pm$ 9.474 χ^2 /NDF: 30.4/22

13.607 $\pm$ 6.697 χ^2 /NDF: 52.7/47

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: 30.351+/-0.011 χ^2 /NDF:19197.8/5

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

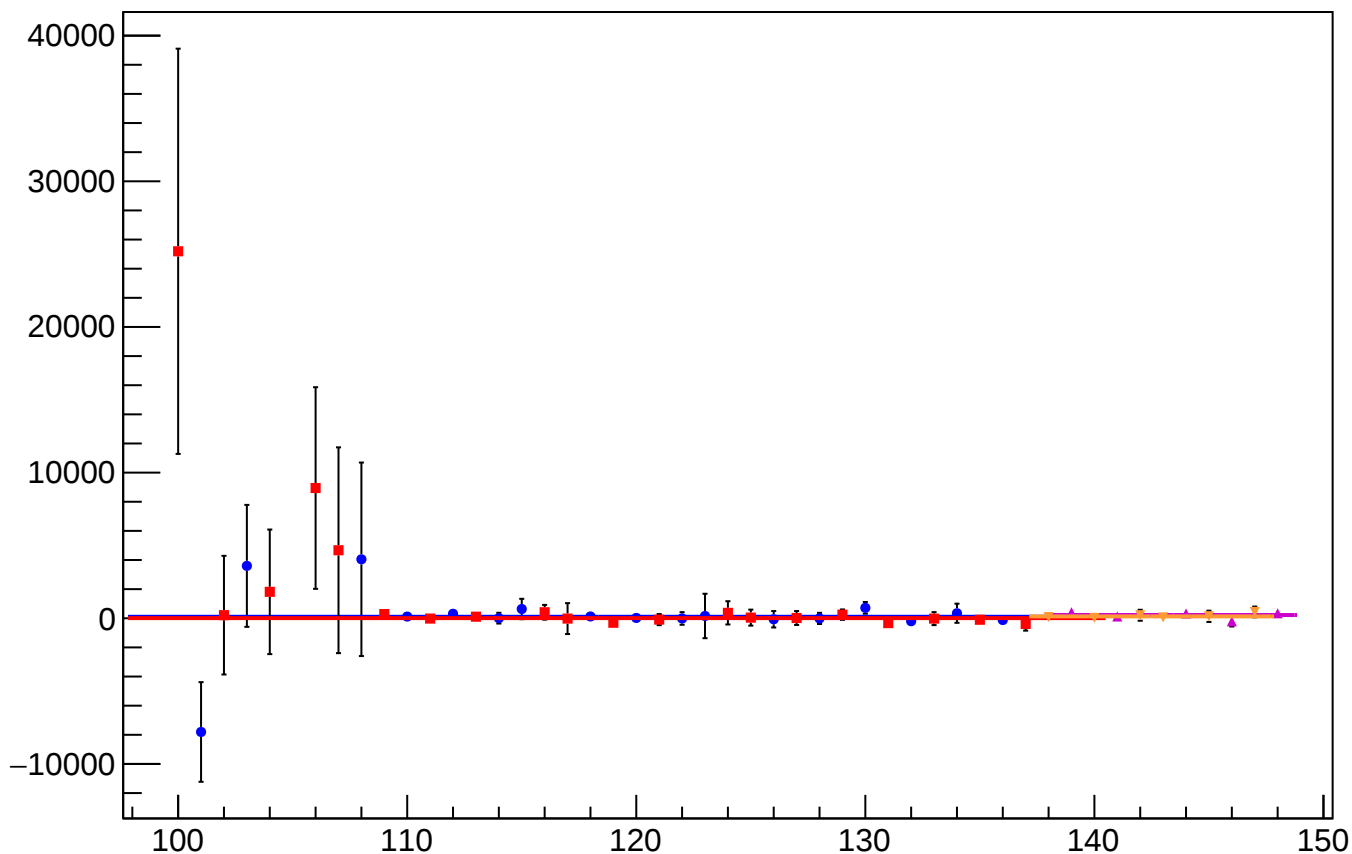
Left In: 29.685+/-0.011 χ^2 /NDF:23112.8/4

28.963+/-0.007 χ^2 /NDF: 3075271.5/22

28.802+/-0.005 χ^2 /NDF: 6595988.2/47

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: 129.192 $\pm$ 130.215 χ^2 /NDF:1.0/5

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

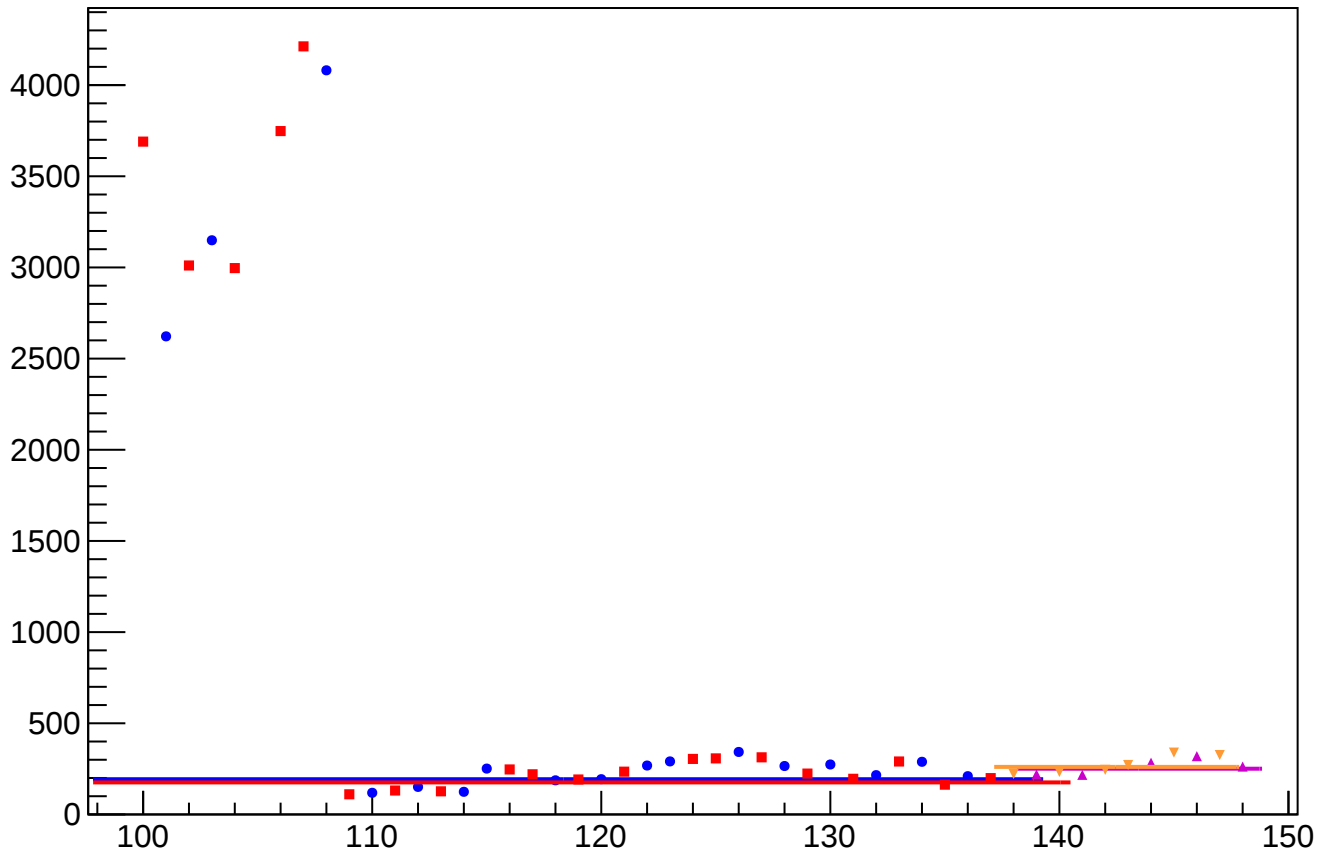
Left In: 222.158 $\pm$ 128.068 χ^2 /NDF:2.4/4

110.421 $\pm$ 73.133 χ^2 /NDF: 13.4/22

89.960 $\pm$ 50.091 χ^2 /NDF: 30.1/47

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 $\pm$ 0.063 χ^2 /NDF: 3536123.5/16

Left Out: 260.900 $\pm$ 0.092 χ^2 /NDF: 216234.9/5

Right Out: 175.749 $\pm$ 0.058 χ^2 /NDF: 4168935.2/19

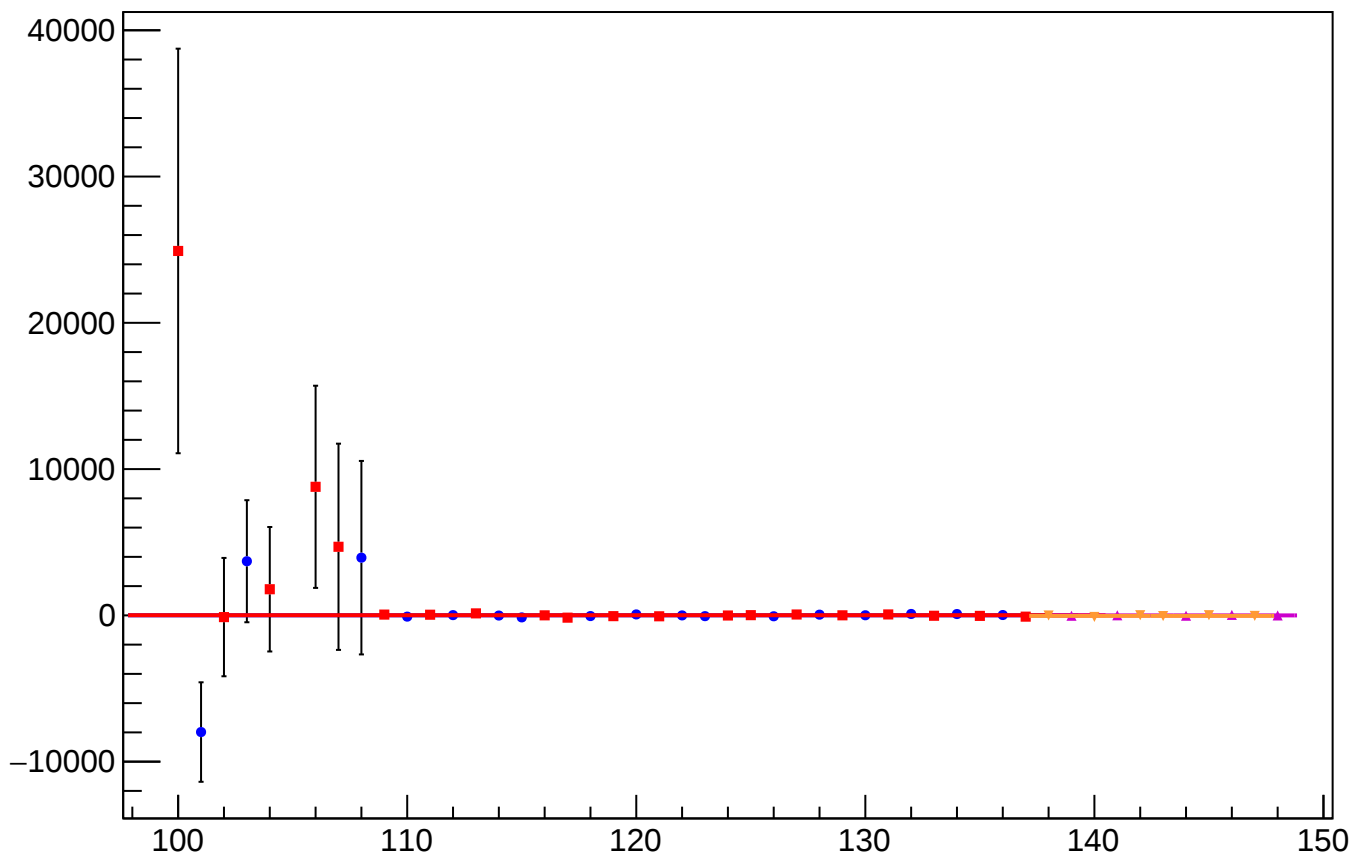
Left In: 250.871 $\pm$ 0.091 χ^2 /NDF: 166573.1/4

214.548 $\pm$ 0.052 χ^2 /NDF: 4122555.2/22

205.444 $\pm$ 0.035 χ^2 /NDF: 9006283.7/47

197.398 $\pm$ 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: -33.267 $\pm$ 17.615 χ^2 /NDF: 5.7/5

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

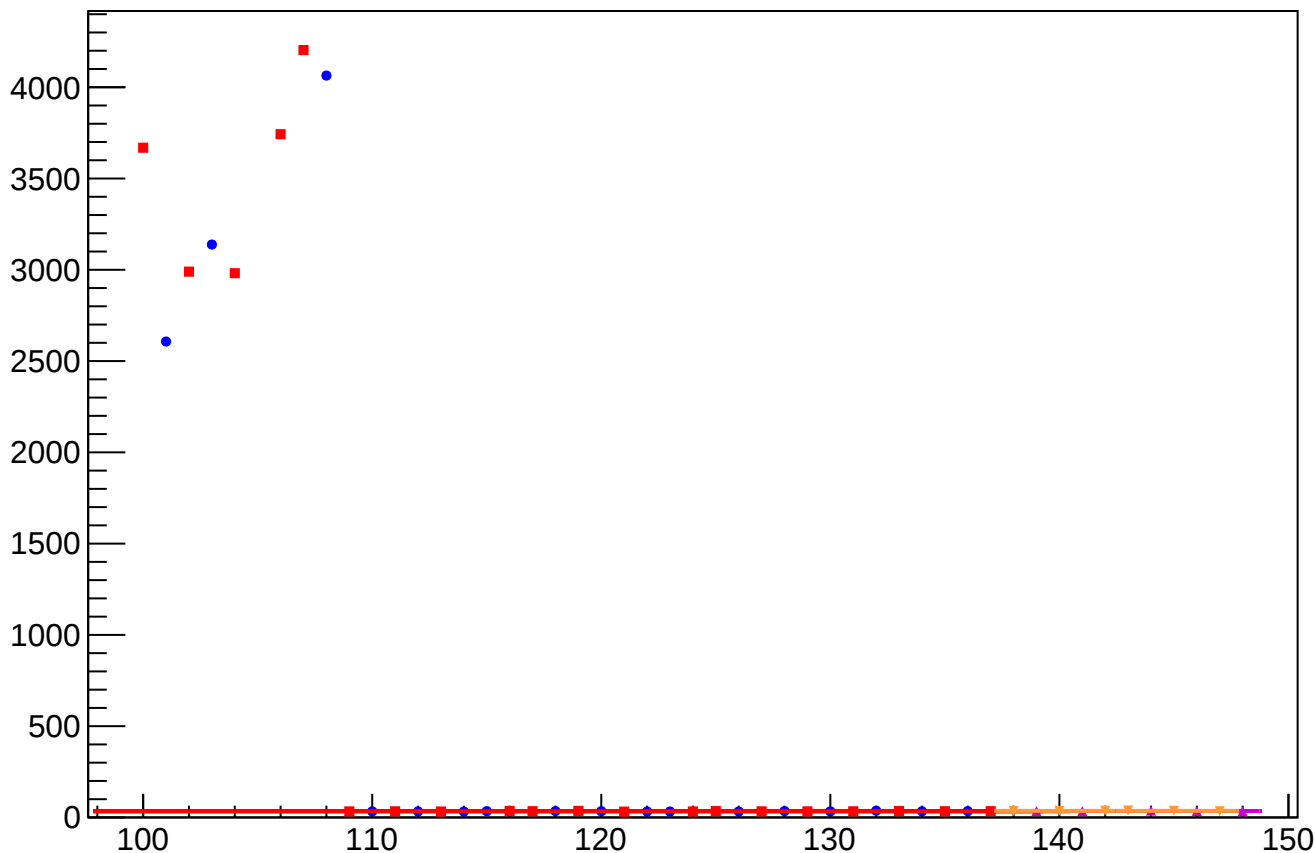
Left In: -1.656 $\pm$ 17.633 χ^2 /NDF: 1.5/4

-11.207 $\pm$ 11.392 χ^2 /NDF: 28.7/22

-2.694 $\pm$ 8.049 χ^2 /NDF: 54.3/47

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 $\pm$ 0.011 χ^2 /NDF: 3006248.0/16

Left Out: 35.934 $\pm$ 0.012 χ^2 /NDF:10805.9/5

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

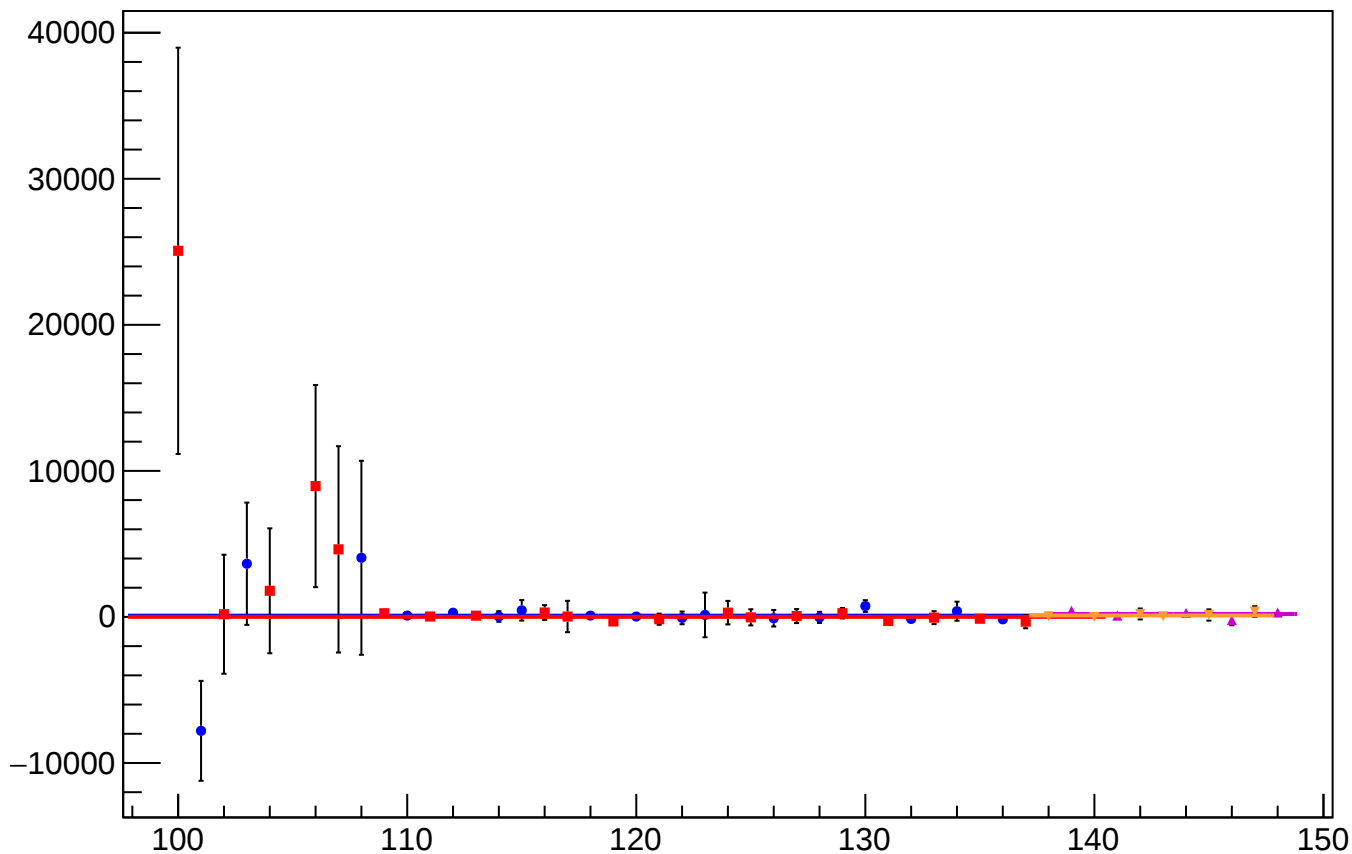
Left In: 35.267 $\pm$ 0.012 χ^2 /NDF:9660.1/4

34.889 $\pm$ 0.008 χ^2 /NDF: 3029165.1/22

34.683 $\pm$ 0.006 χ^2 /NDF: 6498889.3/47

34.478 $\pm$ 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: 100.142+/-129.156 χ^2/NDF : 0.9/5

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

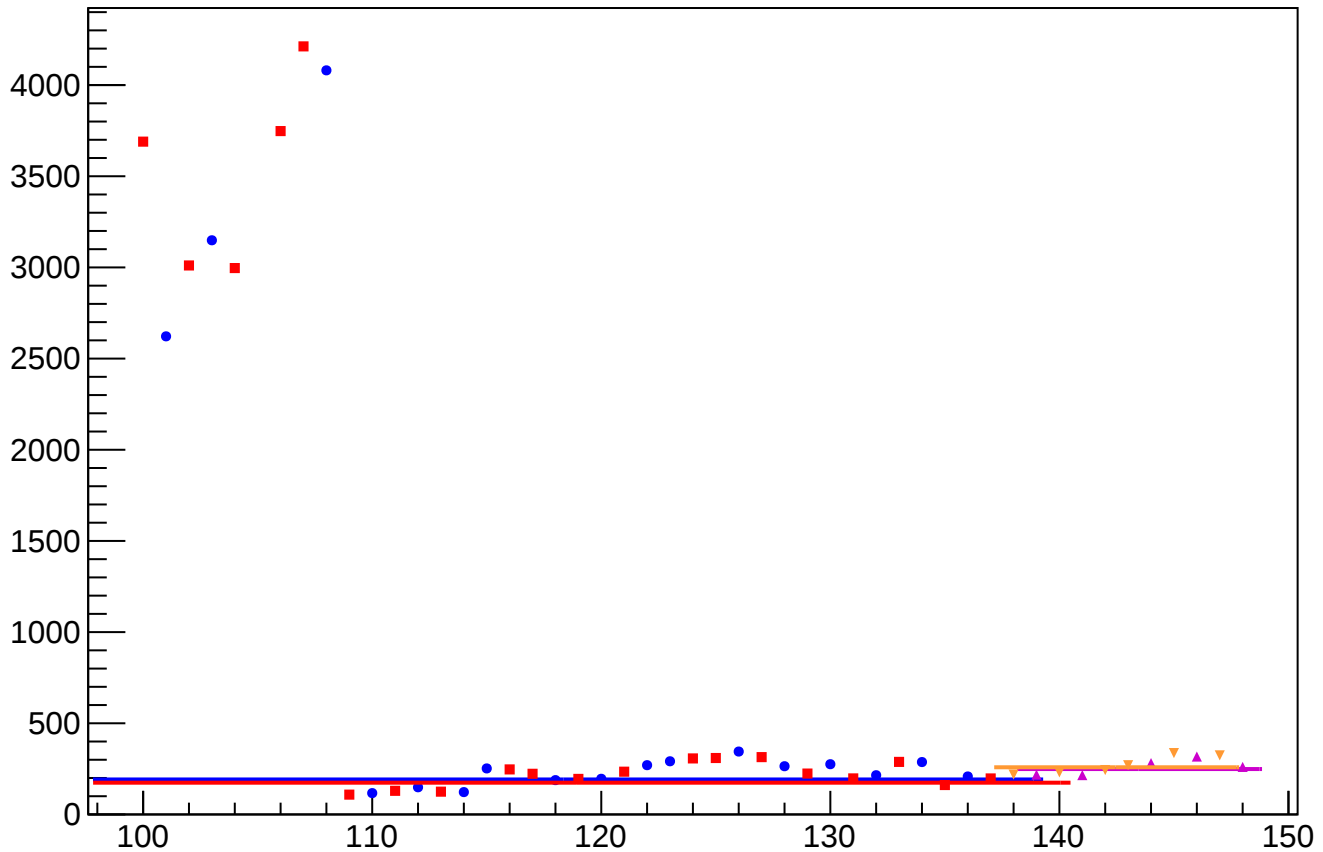
Left In: 199.528+/-127.154 χ^2/NDF : 2.5/4

90.508+/-72.694 χ^2/NDF : 13.2/22

75.819+/-49.777 χ^2/NDF : 28.5/47

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 $\pm$ 0.062 χ^2 /NDF: 3573060.2/16

Left Out: 258.684 $\pm$ 0.091 χ^2 /NDF: 220940.3/5

Right Out: 174.207 $\pm$ 0.057 χ^2 /NDF: 4215538.3/19

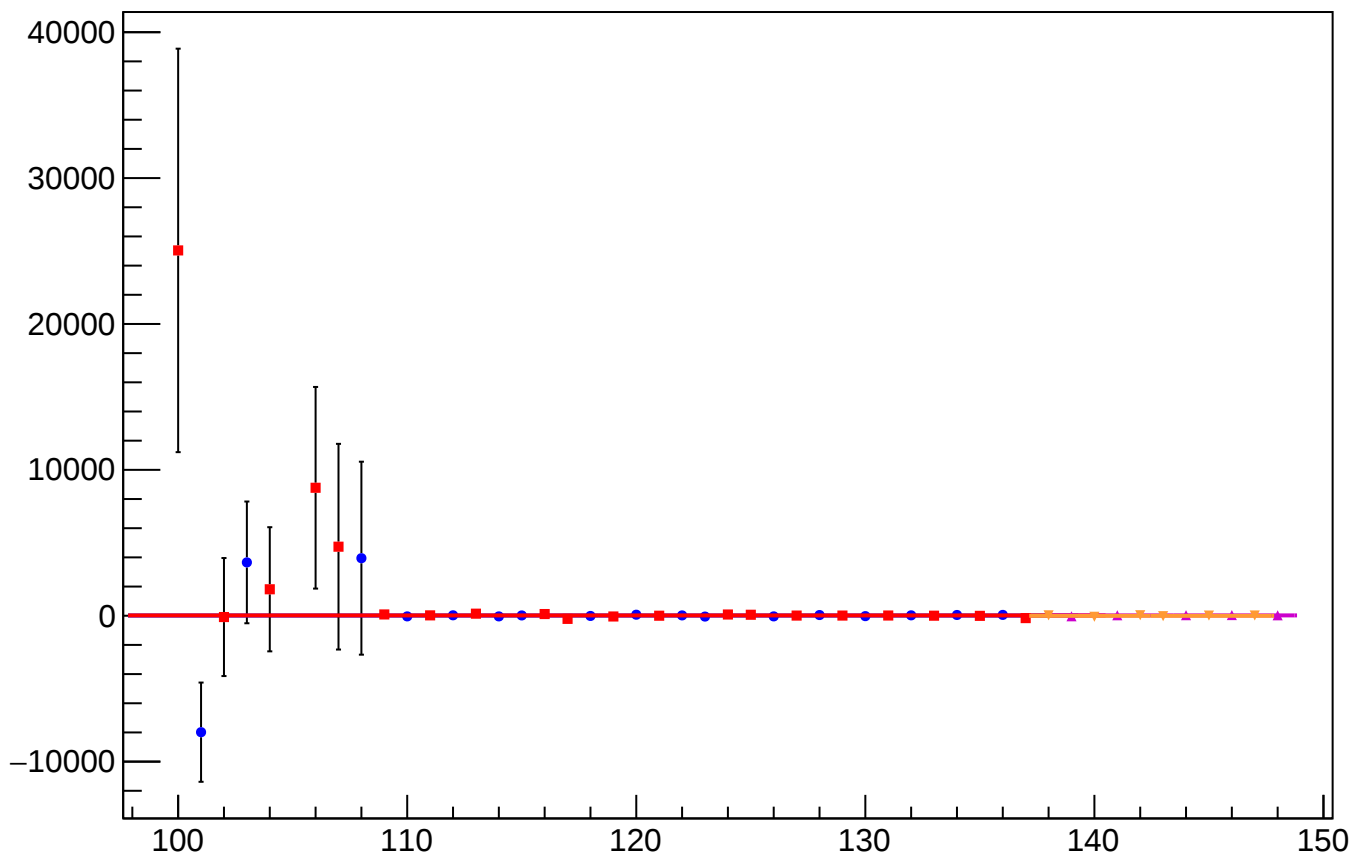
Left In: 249.038 $\pm$ 0.090 χ^2 /NDF: 167077.9/4

213.043 $\pm$ 0.051 χ^2 /NDF: 4159560.7/22

203.884 $\pm$ 0.035 χ^2 /NDF: 9094762.5/47

195.799 $\pm$ 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: -4.919+/-16.207 χ^2/NDF : 5.6/5

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

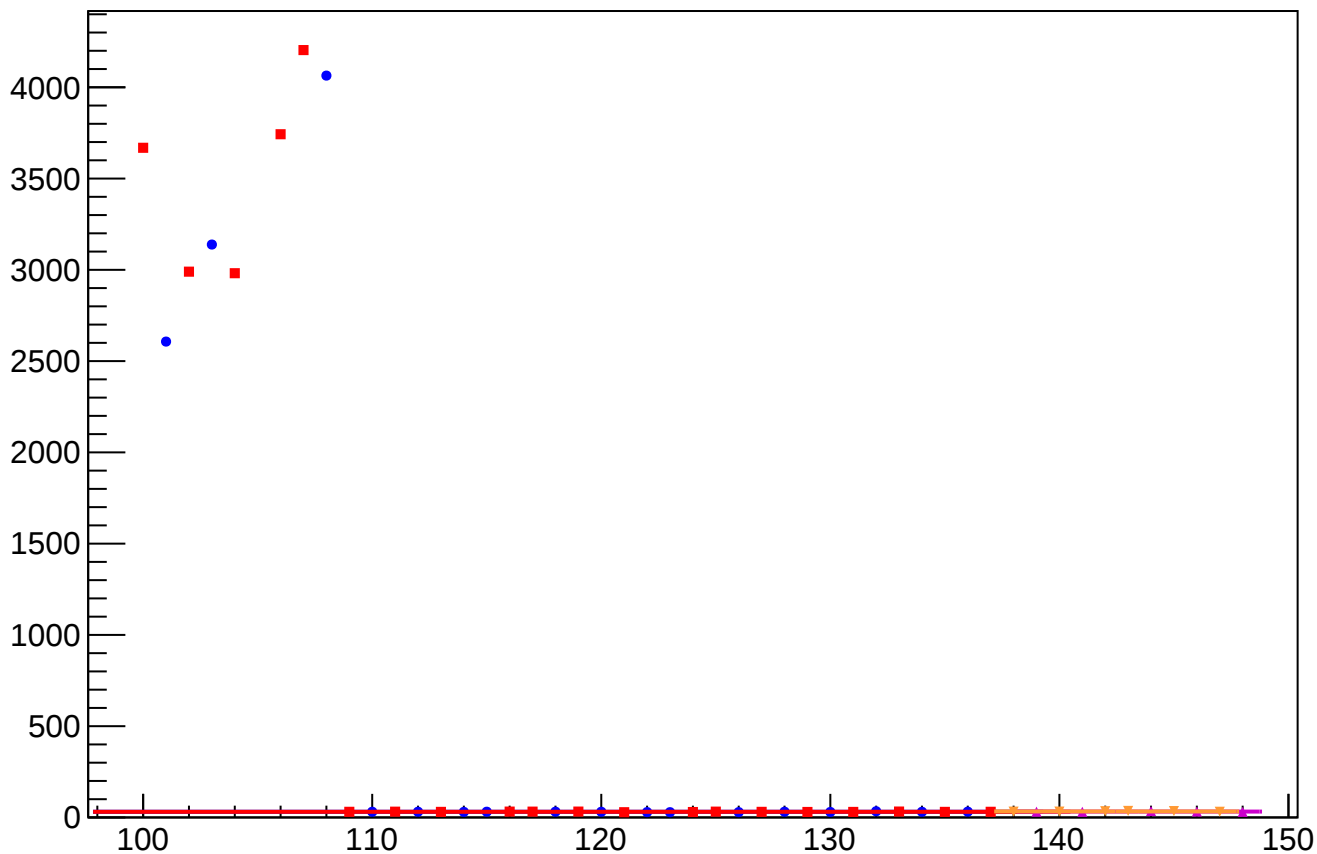
Left In: 23.138+/-16.124 χ^2/NDF : 3.1/4

6.241+/-10.426 χ^2/NDF : 21.6/22

14.231+/-7.362 χ^2/NDF : 55.8/47

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+/-0.010 χ^2/NDF : 3014425.9/16

Left Out: 33.017+/-0.011 χ^2/NDF : 22744.6/5

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

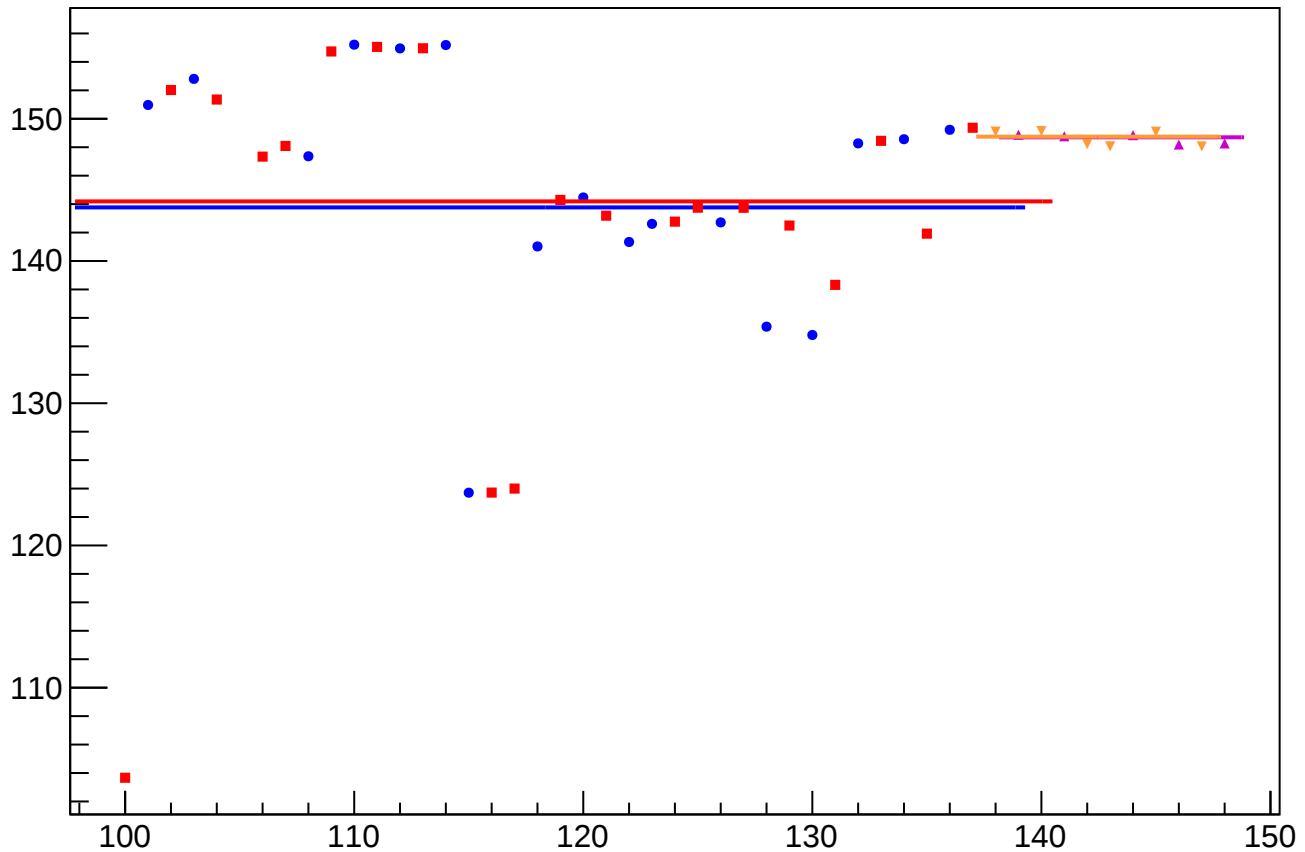
Left In: 32.221+/-0.011 χ^2/NDF : 18915.5/4

31.909+/-0.007 χ^2/NDF : 3053119.8/22

31.699+/-0.005 χ^2/NDF : 6539700.3/47

31.490+/-0.007 χ^2/NDF : 3484964.0/24

yield_bcm_an_ds_mean vs Slug, Sign Corrected



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

Left Out: 148.743 +/- 0.000 χ^2/NDF : 8102584.8/5

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

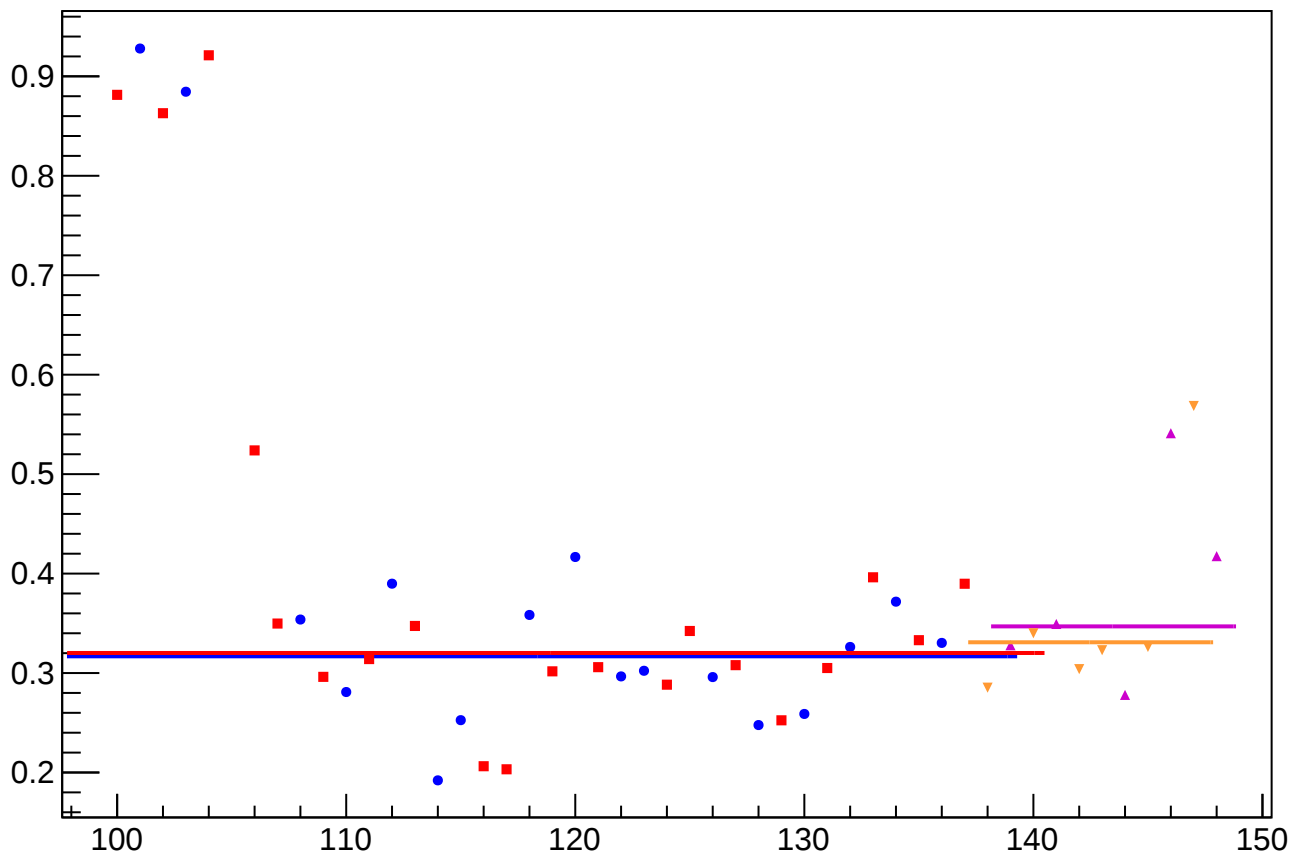
Left In: 148.698 +/- 0.000 χ^2/NDF : 1970418.0/4

145.687 +/- 0.000 χ^2/NDF : 4071462184.2/22

145.720 +/- 0.000 χ^2/NDF : 9001510559.3/19

145.753 +/- 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: 0.331 $\pm$ 0.000 χ^2 /NDF:302100.3/5

Right Out: 0.320 $\pm$ 0.000 χ^2 /NDF: 1240600.2/19

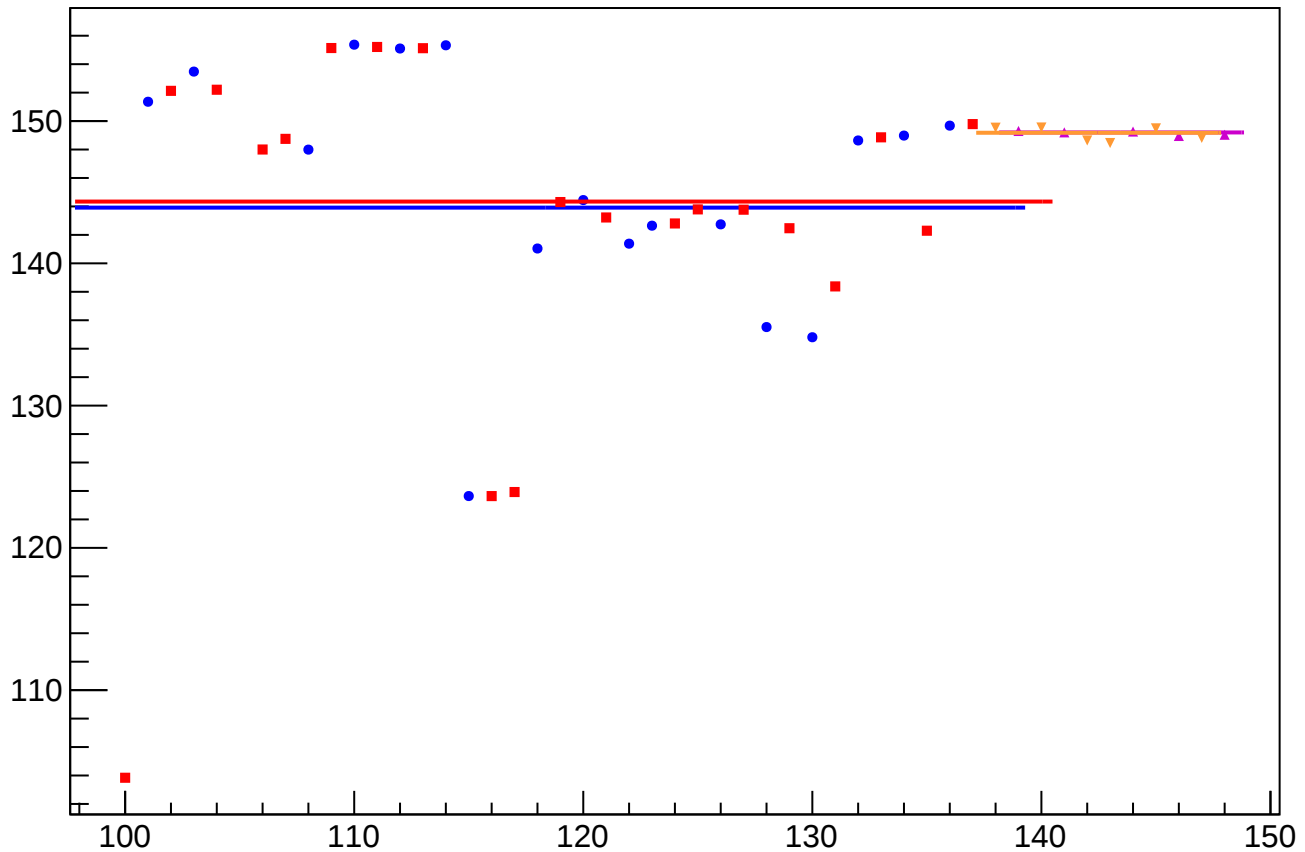
Left In: 0.347 $\pm$ 0.000 χ^2 /NDF:355130.8/4

0.322 $\pm$ 0.000 χ^2 /NDF: 1589257.2/22

0.326 $\pm$ 0.000 χ^2 /NDF: 3218042.1/47

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: 149.178 $\pm$ 0.000 χ^2 /NDF: 7328333.3/5

Right Out: 144.342 $\pm$ 0.000 χ^2 /NDF: 4551365931.0/19

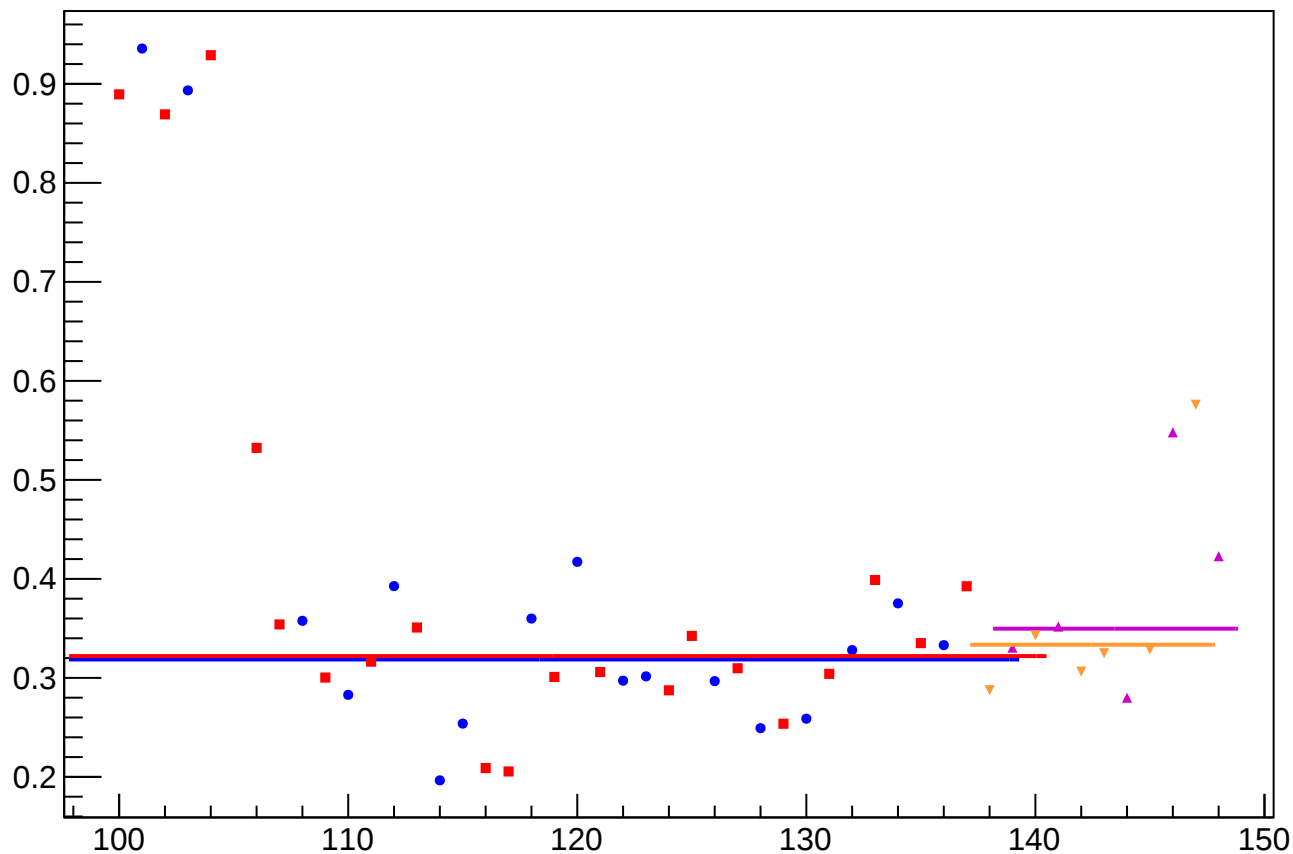
Left In: 149.201 $\pm$ 0.000 χ^2 /NDF: 377658.8/4

145.940 $\pm$ 0.000 χ^2 /NDF: 4177930458.6/22

145.980 $\pm$ 0.000 χ^2 /NDF: 9192422558.3/22

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: 0.334+/-0.000 χ^2/NDF : 305829.6/5

Right Out: 0.322+/-0.000 χ^2/NDF : 1243109.0/19

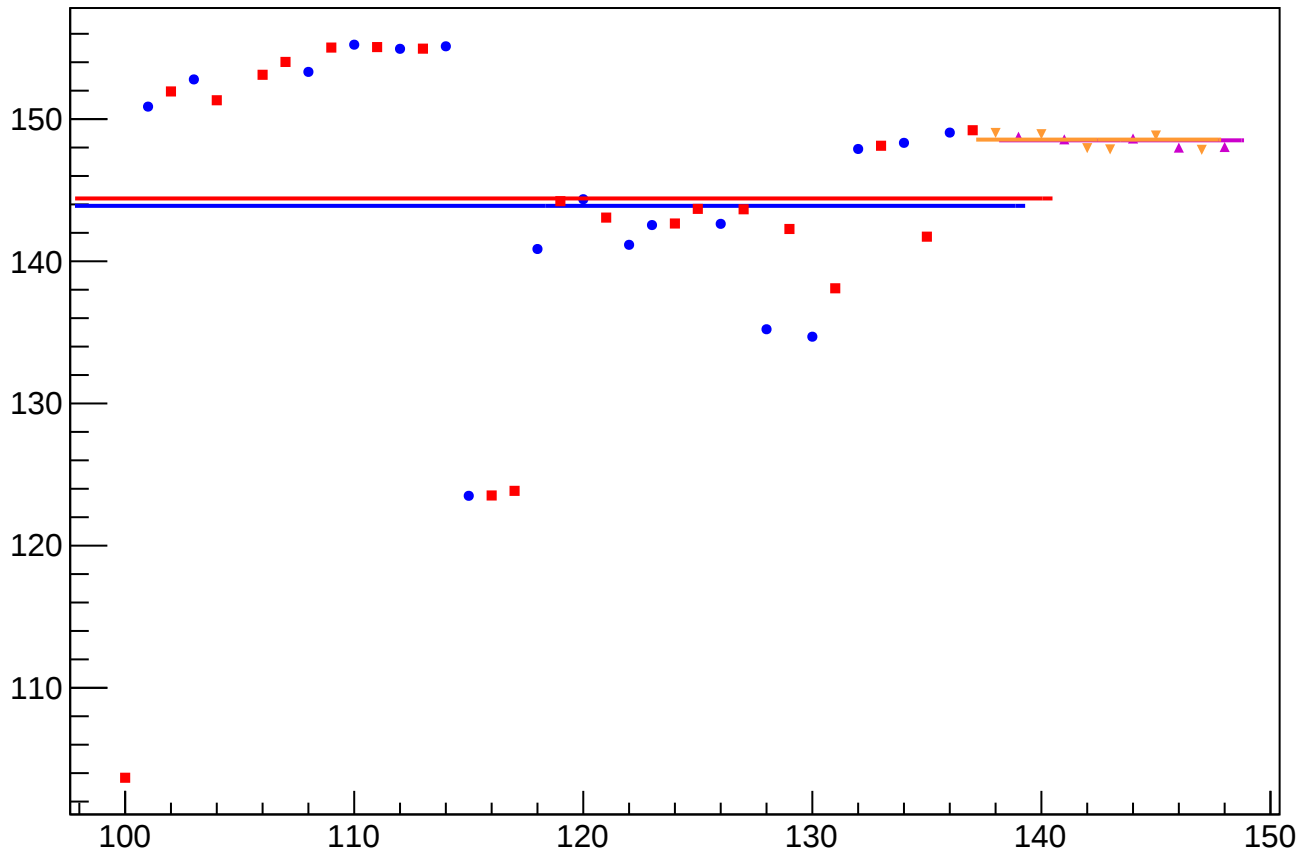
Left In: 0.350+/-0.000 χ^2/NDF : 361581.7/4

0.324+/-0.000 χ^2/NDF : 1595986.1/22

0.328+/-0.000 χ^2/NDF : 3235379.6/47

0.332+/-0.000 χ^2/NDF : 1634761.3/24

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.899 $\pm$ 0.000 χ^2 /NDF: 3749888331.0/16

Left Out: 148.558 $\pm$ 0.000 χ^2 /NDF: 9045302.8/5

145.693 $\pm$ 0.000 χ^2 /NDF: 4221533287.8/22

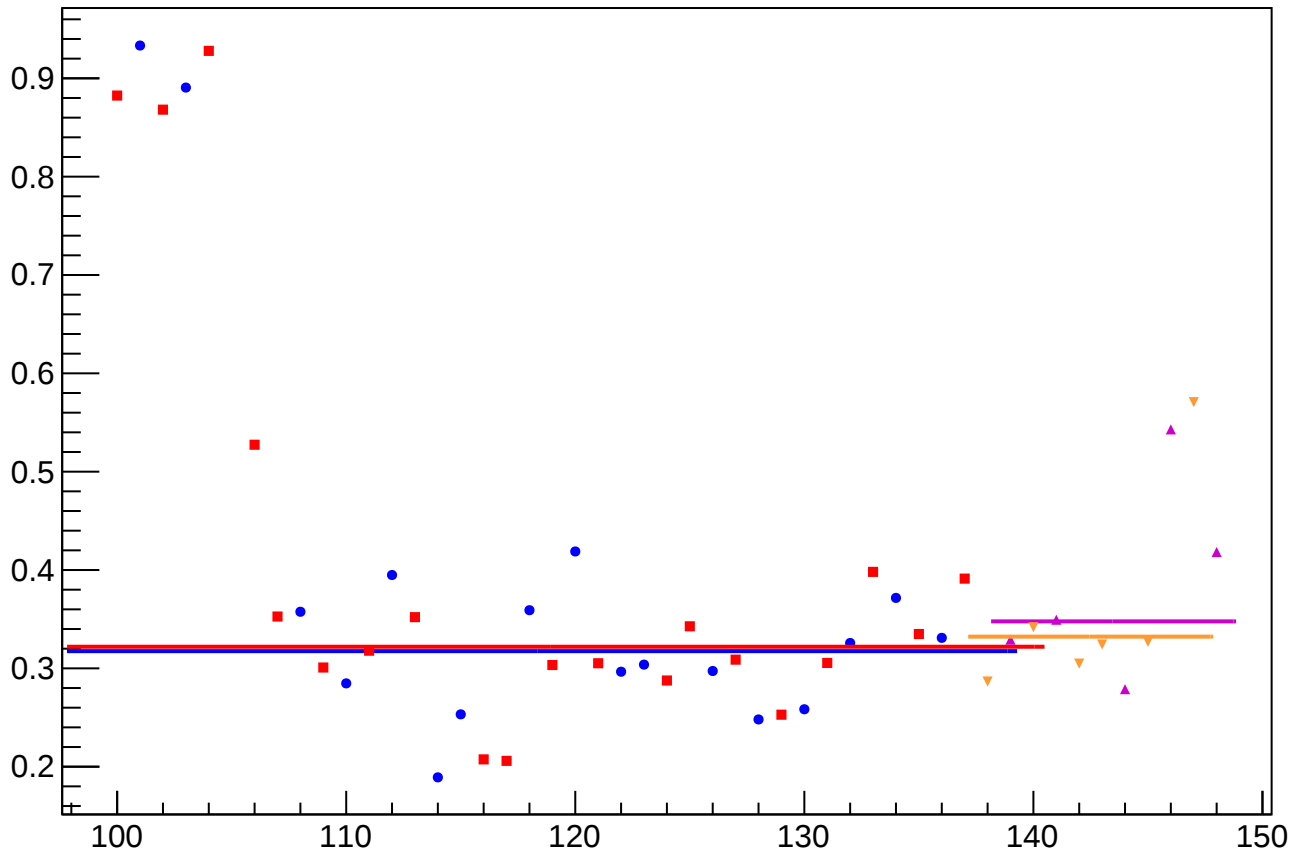
Right Out: 144.419 $\pm$ 0.000 χ^2 /NDF: 4820290476.6/19

145.766 $\pm$ 0.000 χ^2 /NDF: 9375264175.2/24

Left In: 148.508 $\pm$ 0.000 χ^2 /NDF: 2232623.0/4

145.842 $\pm$ 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: 0.332 $\pm$ 0.000 χ^2 /NDF:301974.0/5

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

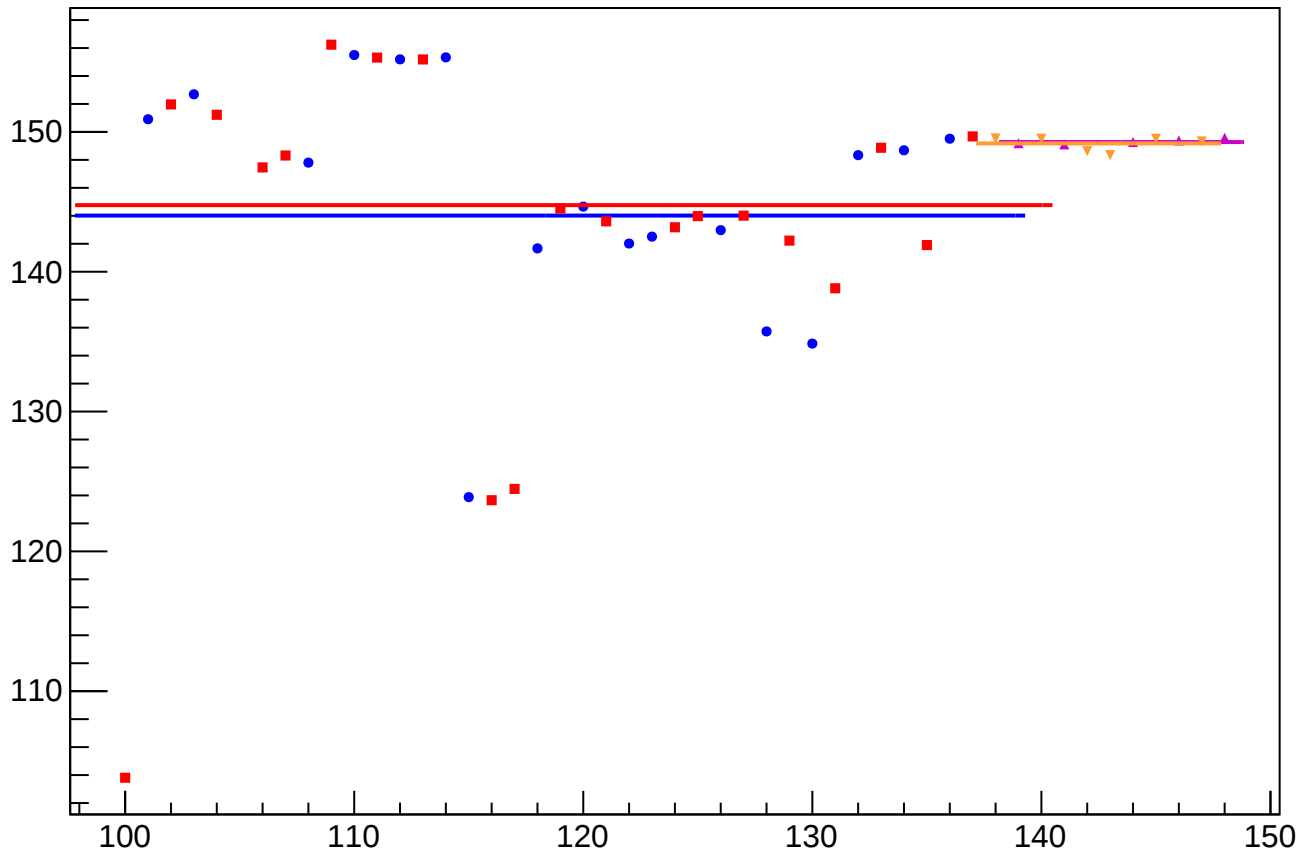
Left In: 0.348 $\pm$ 0.000 χ^2 /NDF:354902.0/4

0.323 $\pm$ 0.000 χ^2 /NDF: 1604434.1/22

0.327 $\pm$ 0.000 χ^2 /NDF: 3234621.1/47

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: 149.177 $\pm$ 0.000 χ^2/NDF : 7296926.0/5

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

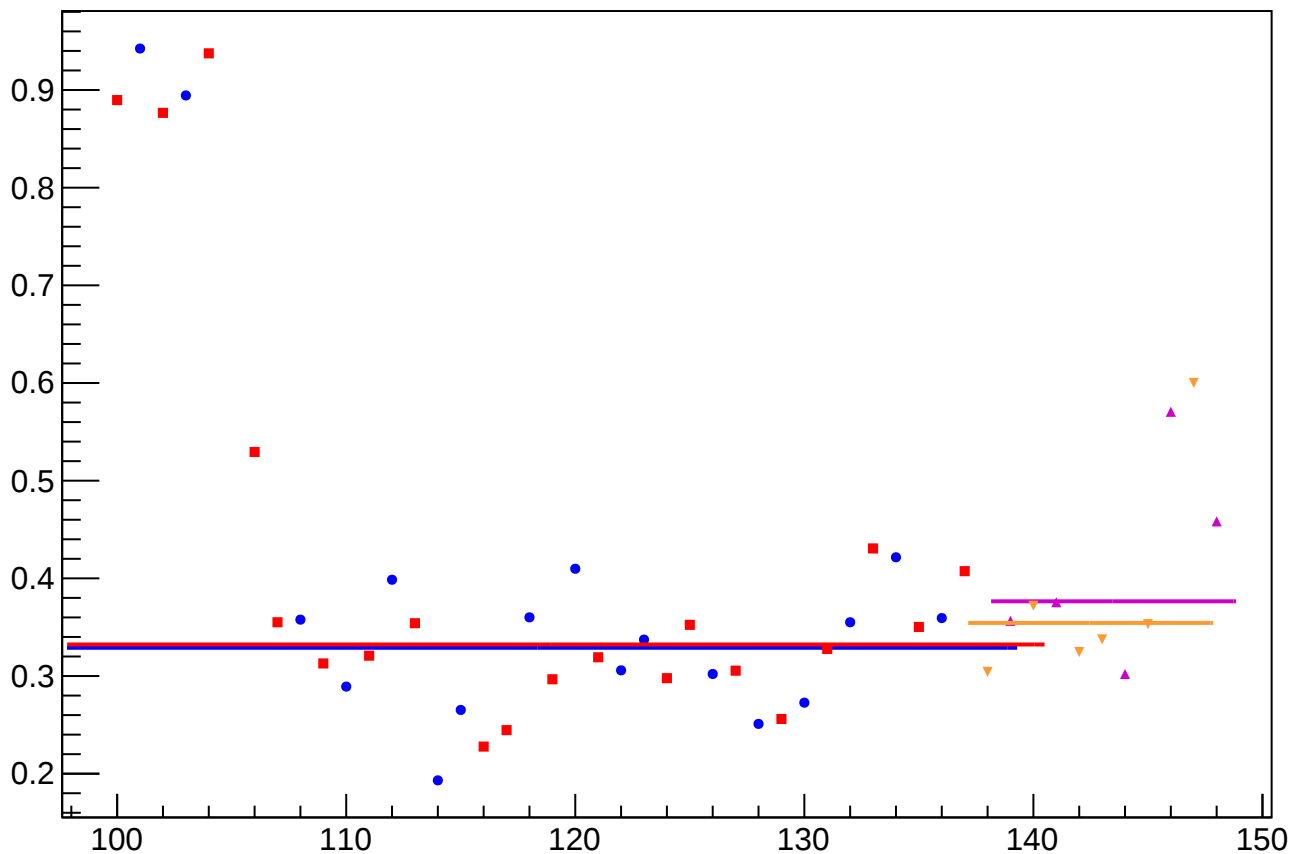
Left In: 149.276 $\pm$ 0.000 χ^2/NDF : 563122.2/4

145.925 $\pm$ 0.000 χ^2/NDF : 3751570567.1/22

146.078 $\pm$ 0.000 χ^2/NDF : 8208424384.8/22

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: 0.354 $\pm$ 0.000 χ^2 /NDF: 296400.4/5

Right Out: 0.332 $\pm$ 0.000 χ^2 /NDF: 1191637.2/19

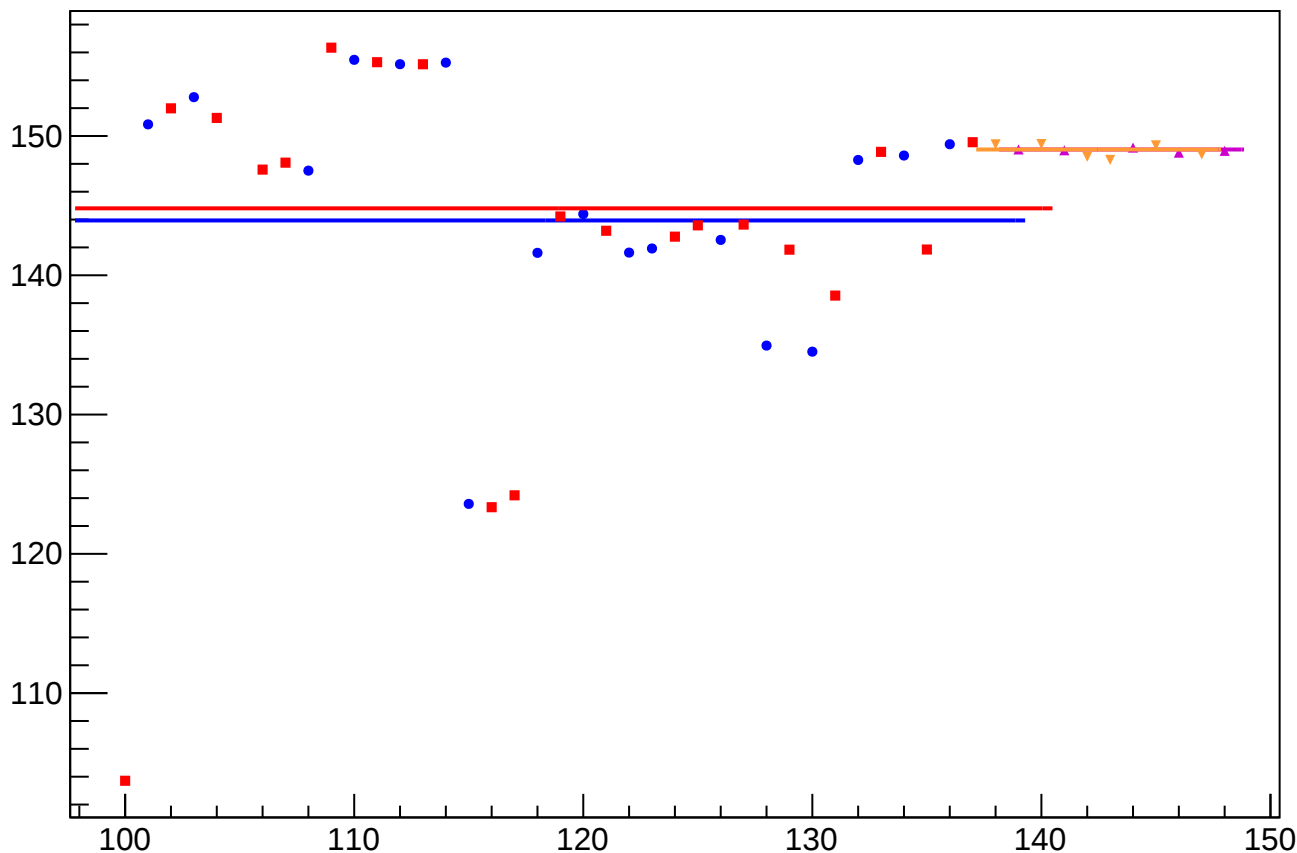
Left In: 0.376 $\pm$ 0.000 χ^2 /NDF: 335166.9/4

0.338 $\pm$ 0.000 χ^2 /NDF: 1597062.5/22

0.342 $\pm$ 0.000 χ^2 /NDF: 3197370.2/47

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: 149.031 $\pm$ 0.000 χ^2/NDF : 6637180.1/5

Right Out: 144.806 $\pm$ 0.000 χ^2/NDF : 4139087143.3/19

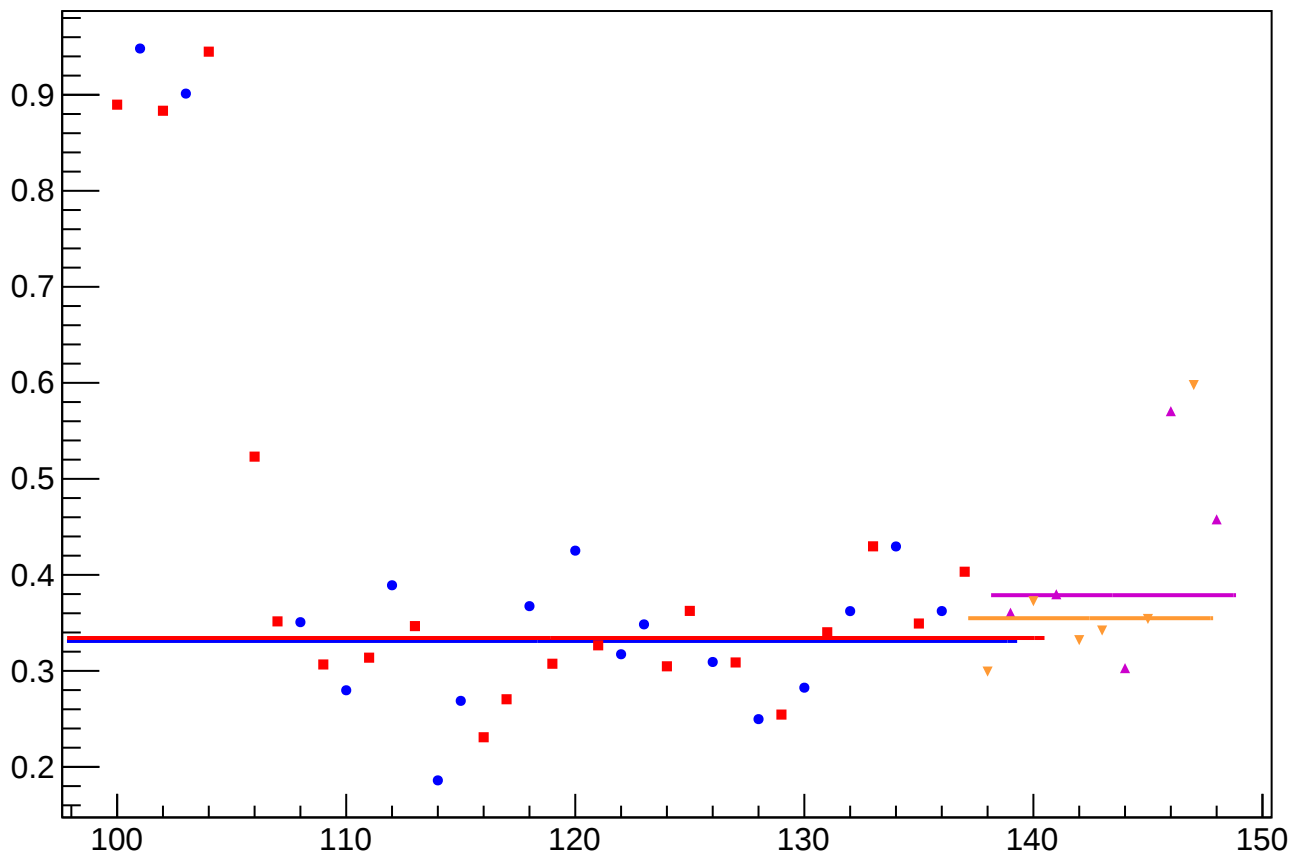
Left In: 149.031 $\pm$ 0.000 χ^2/NDF : 342091.4/4

145.832 $\pm$ 0.000 χ^2/NDF : 3873420881.0/22

146.004 $\pm$ 0.000 χ^2/NDF : 8323303722.1/22

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: 0.355+/-0.000 χ^2/NDF : 297658.9/5

Right Out: 0.334+/-0.000 χ^2/NDF : 1176170.4/19

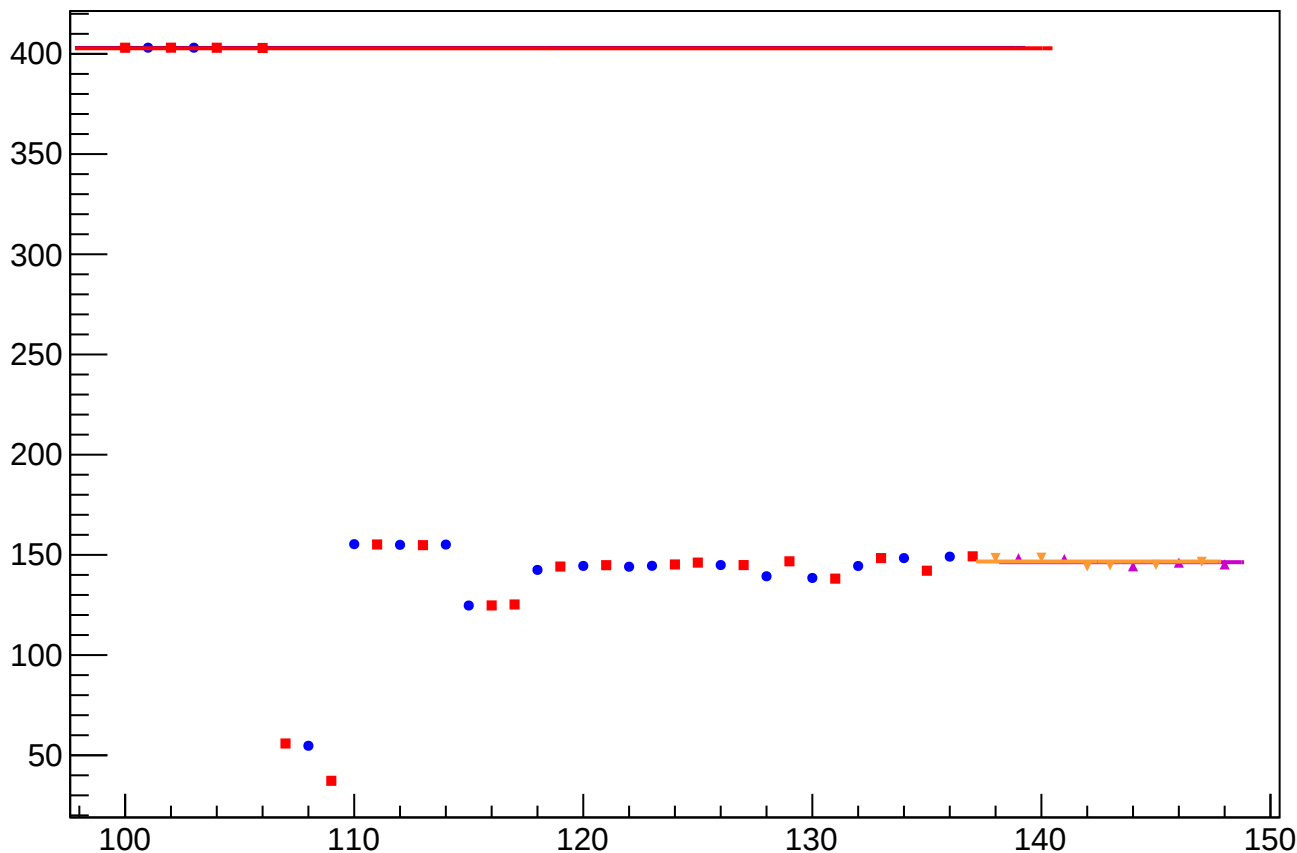
Left In: 0.379+/-0.000 χ^2/NDF : 329068.9/4

0.340+/-0.000 χ^2/NDF : 1614509.3/22

0.344+/-0.000 χ^2/NDF : 3193933.8/47

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: 146.682+/-0.000 χ^2/NDF : 21552214.3/5

Right Out: 402.797+/-0.000 χ^2/NDF : 3122752044607.2/19

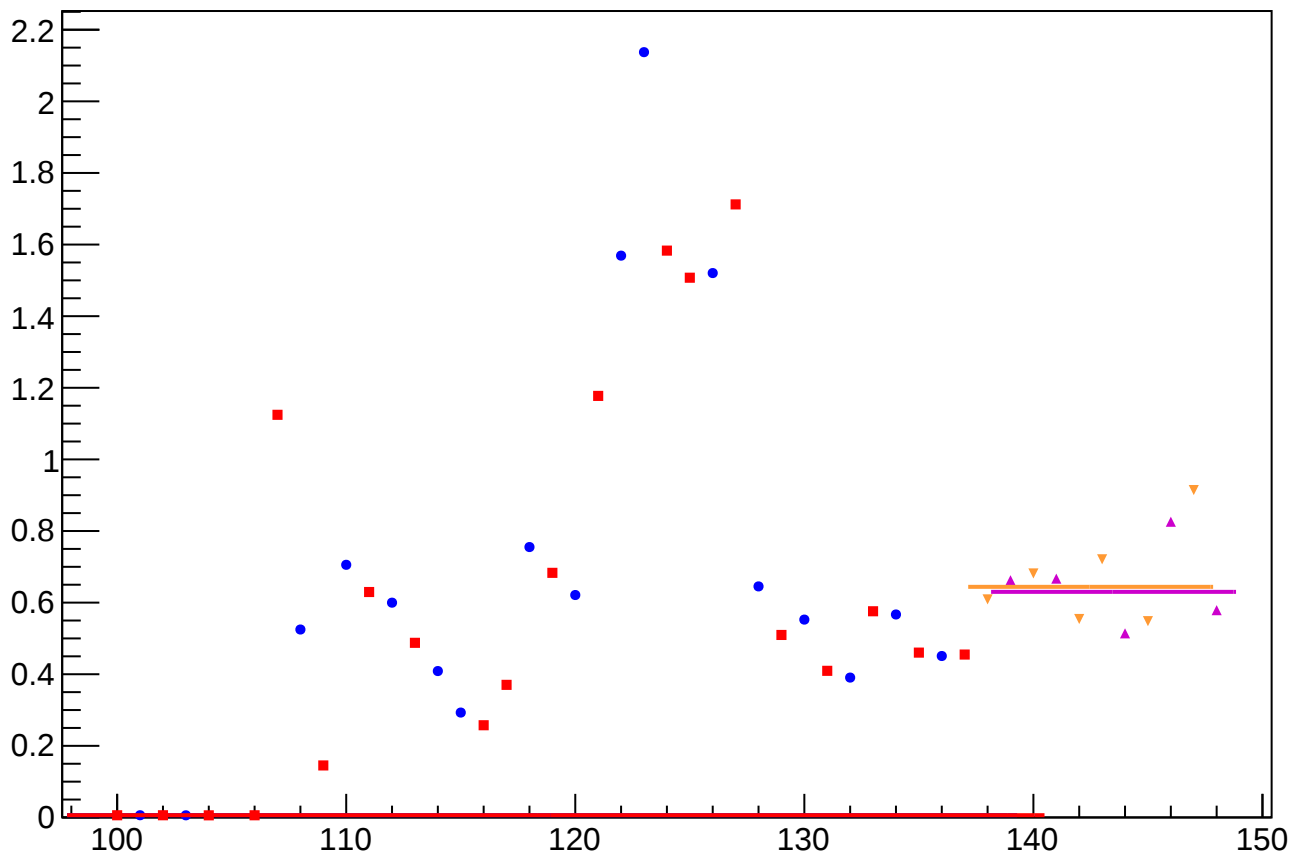
Left In: 146.351+/-0.000 χ^2/NDF : 17548916.6/4

402.903+/-0.000 χ^2/NDF : 1526782899418.8/22

402.821+/-0.000 χ^2/NDF : 508289563519

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: 0.644+/-0.000 χ^2/NDF : 144717.4/5

Right Out: 0.006+/-0.000 χ^2/NDF : 9277290.2/19

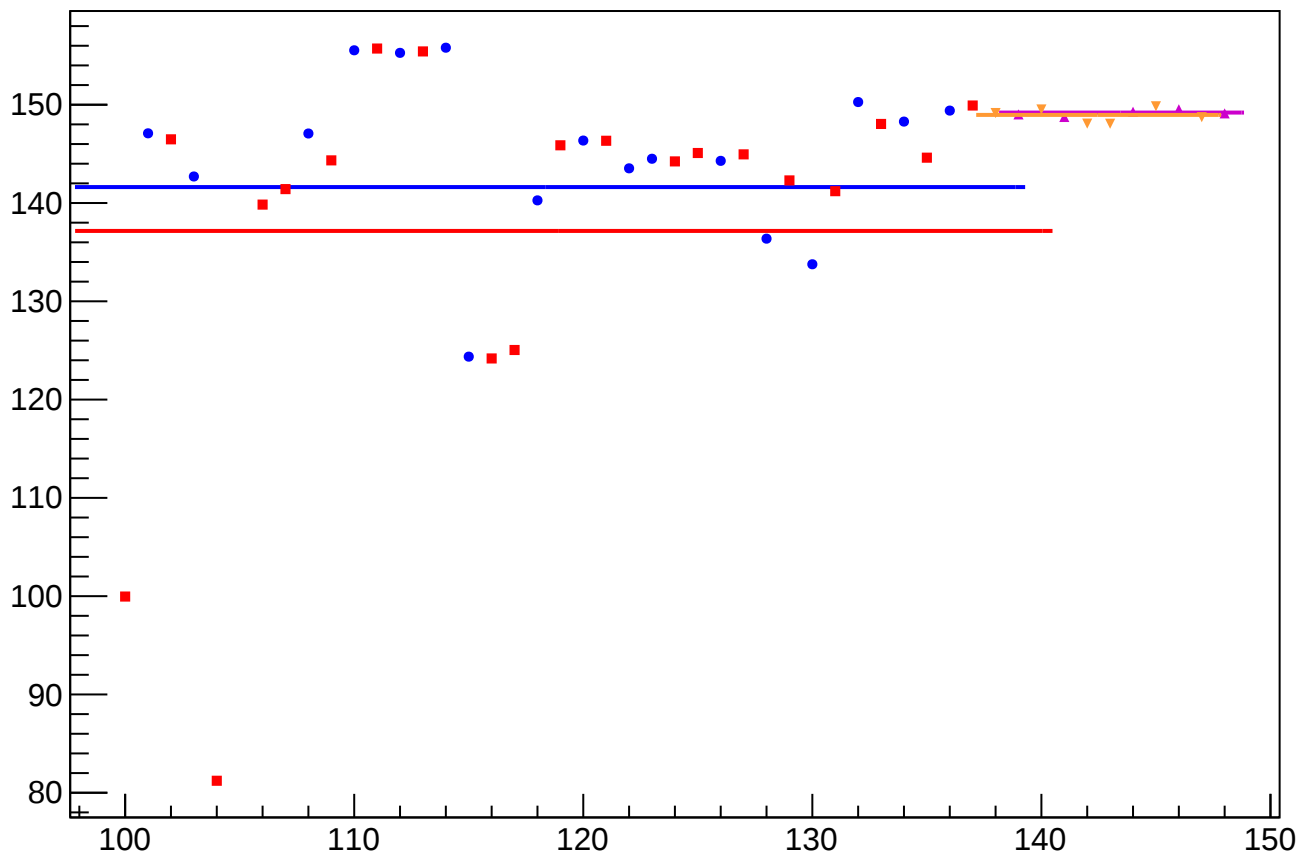
Left In: 0.630+/-0.000 χ^2/NDF : 119698.6/4

0.006+/-0.000 χ^2/NDF : 14632082.9/22

0.006+/-0.000 χ^2/NDF : 29151339.1/47

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: 148.965 $\pm$ 0.000 χ^2 /NDF: 6570430.0/5

Right Out: 137.160 $\pm$ 0.000 χ^2 /NDF: 1365742338.8/19

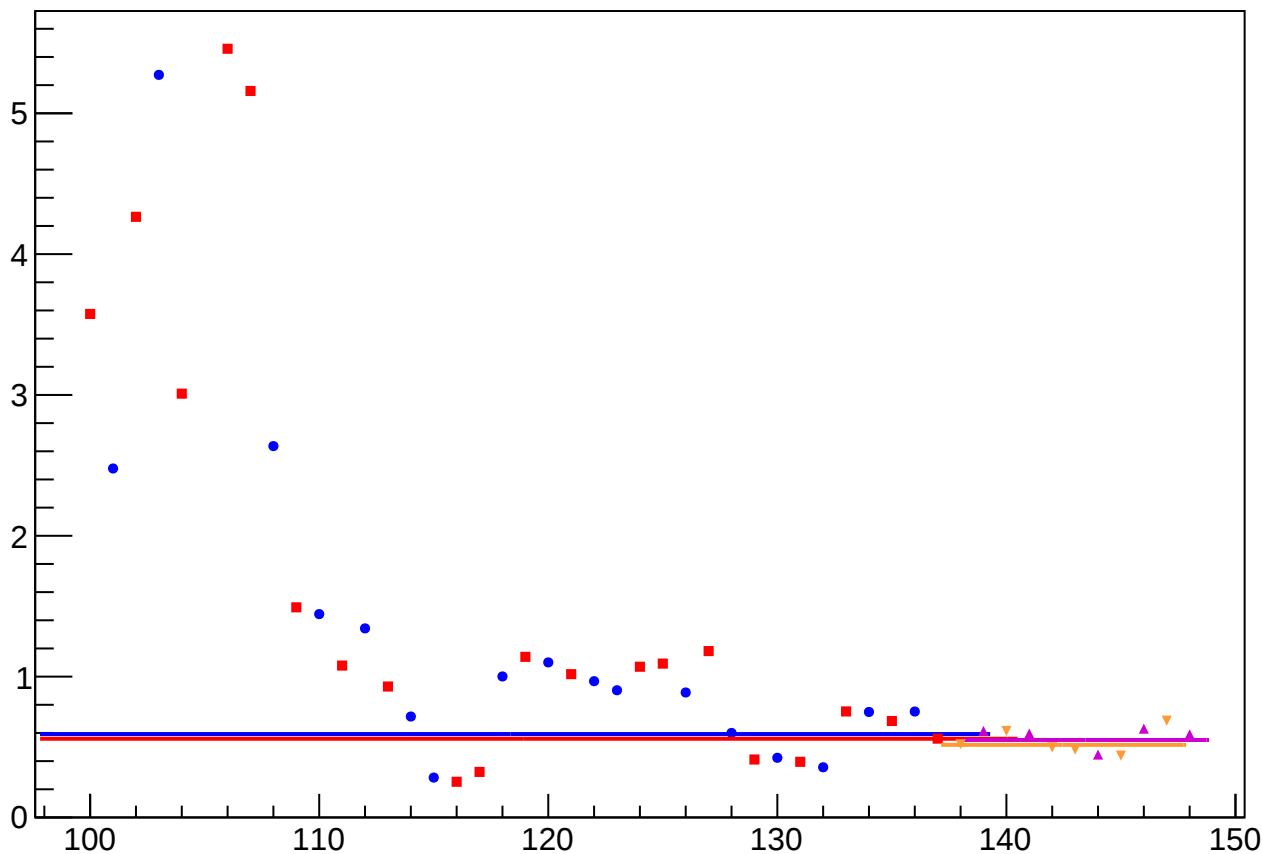
Left In: 149.202 $\pm$ 0.000 χ^2 /NDF: 587511.5/4

145.590 $\pm$ 0.000 χ^2 /NDF: 1283471669.4/22

144.308 $\pm$ 0.000 χ^2 /NDF: 3490660613.1/24

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: 0.515+/-0.000 χ^2/NDF : 162241.1/5

Right Out: 0.559+/-0.000 χ^2/NDF : 4719868.1/19

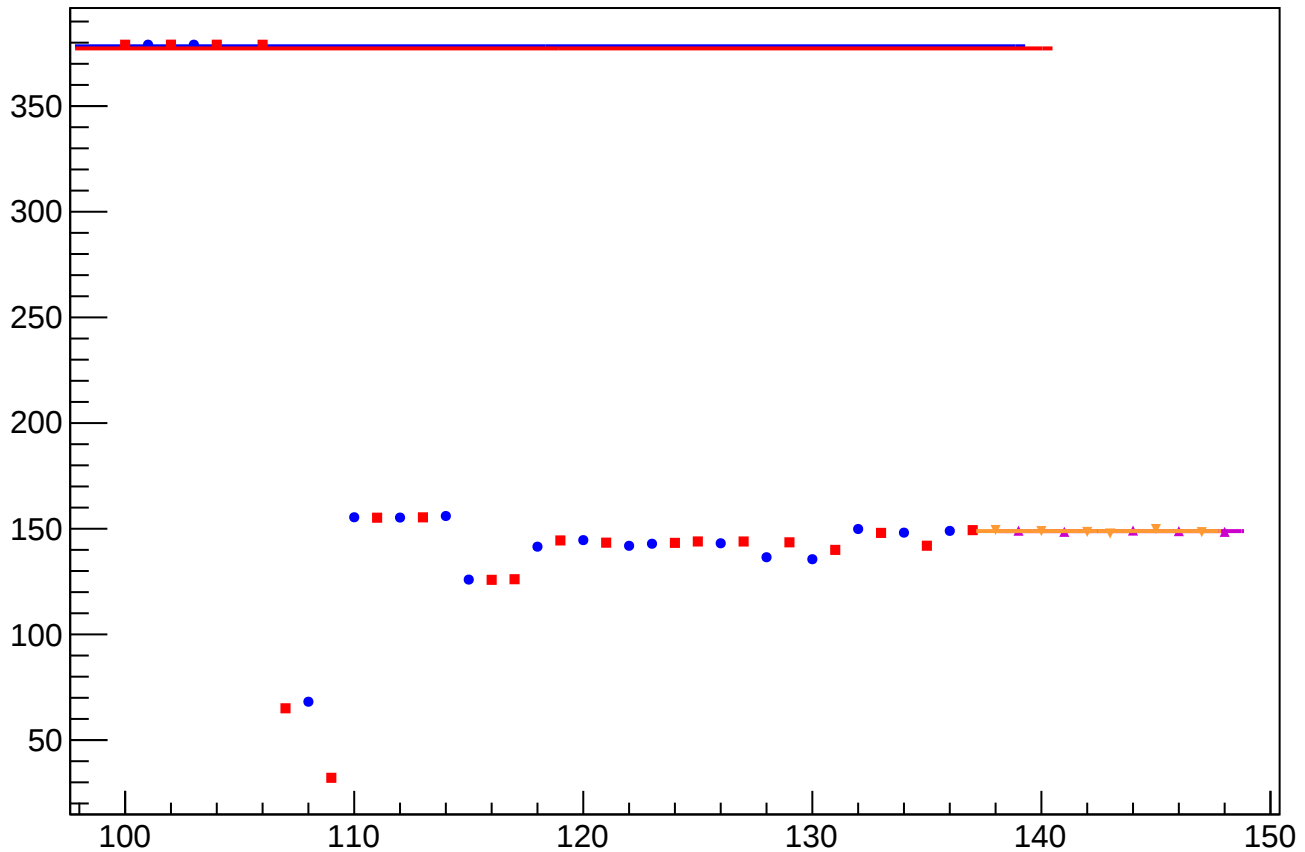
Left In: 0.550+/-0.000 χ^2/NDF : 125920.6/4

0.551+/-0.000 χ^2/NDF : 3748395.2/22

0.553+/-0.000 χ^2/NDF : 8595312.7/47

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: 148.896+/-0.000 χ^2/NDF :13458857.3/5

Right Out: 377.282+/-0.000 χ^2/NDF : 8306405788315.4/19

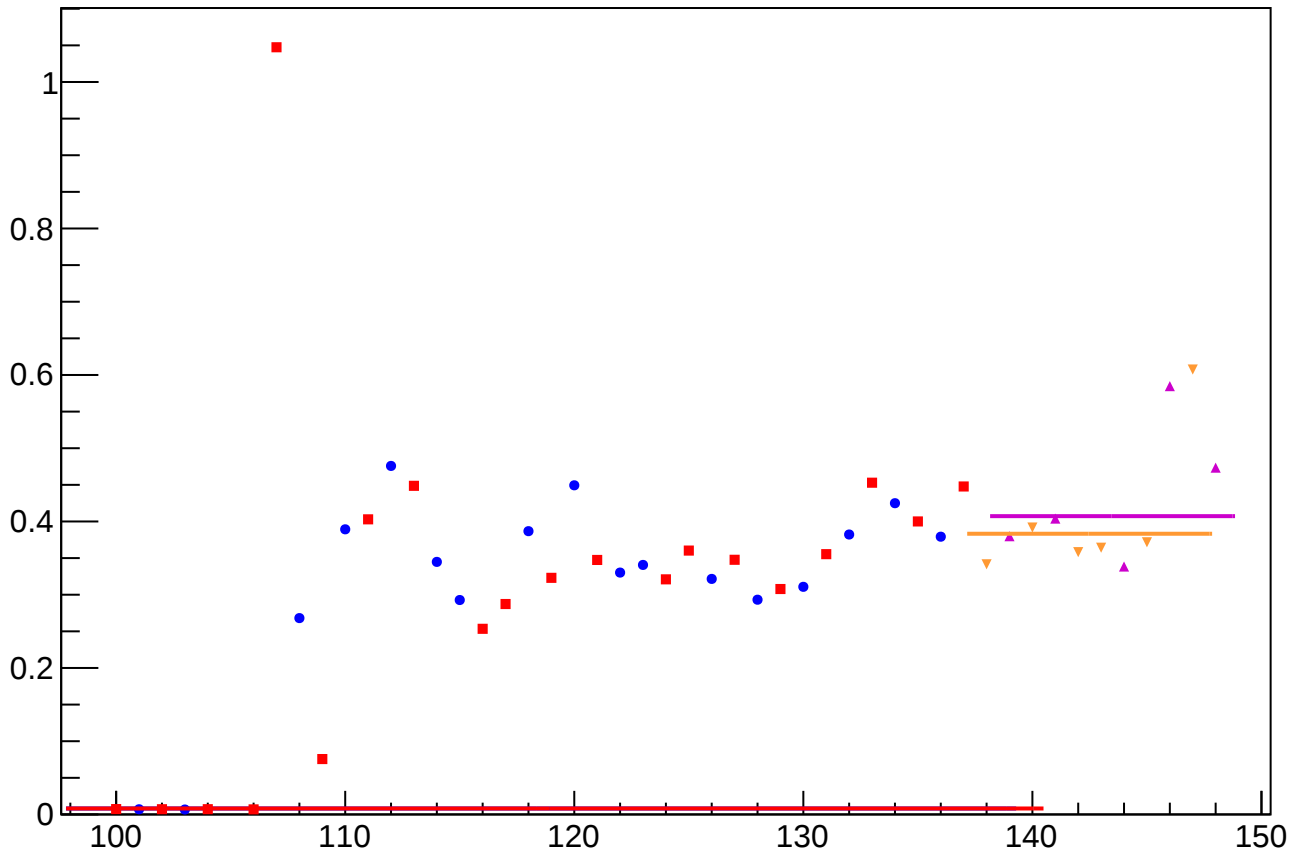
Left In: 148.876+/-0.000 χ^2/NDF :1664976.8/4

377.826+/-0.000 χ^2/NDF : 3903262767149.7/22

377.356+/-0.000 χ^2/NDF : 133923519811

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: 0.383 $\pm$ 0.000 χ^2/NDF : 232021.5/5

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 9601959.4/19

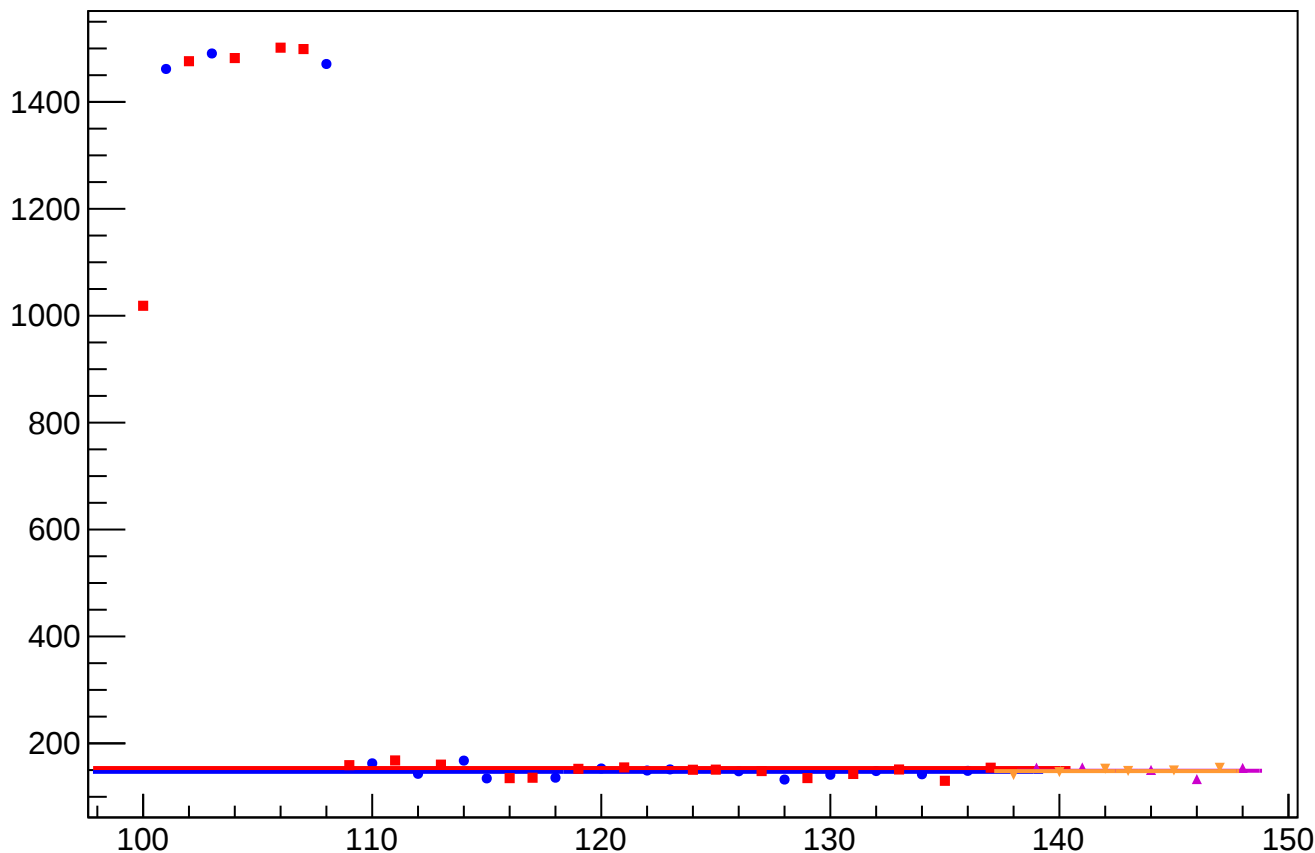
Left In: 0.407 $\pm$ 0.000 χ^2/NDF : 253840.9/4

0.009 $\pm$ 0.000 χ^2/NDF : 17557227.7/22

0.009 $\pm$ 0.000 χ^2/NDF : 34601552.1/47

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: 148.080+/-0.000 χ^2/NDF : 76019134.1/5

Right Out: 153.818+/-0.000 χ^2/NDF : 33744777744.4/19

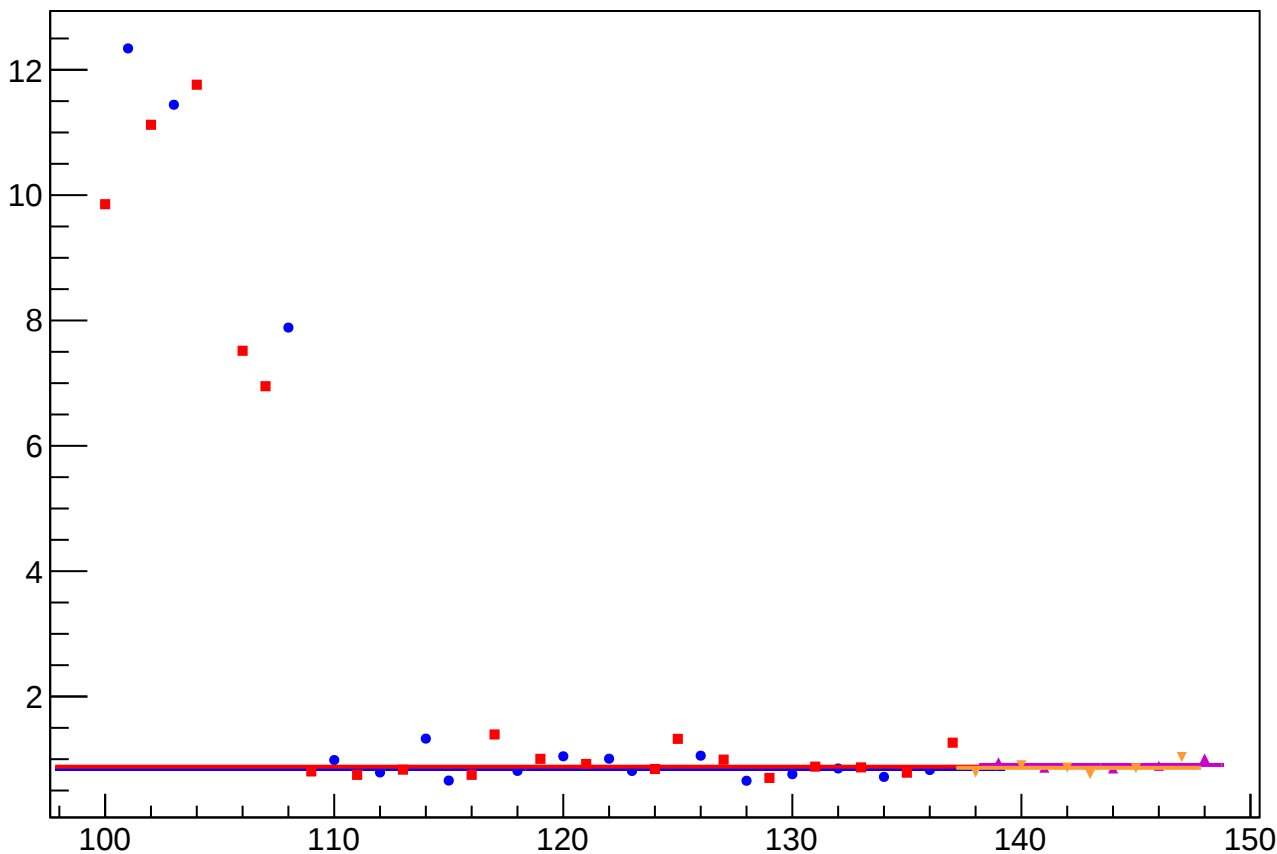
Left In: 148.745+/-0.001 χ^2/NDF : 281733013.5/4

147.305+/-0.000 χ^2/NDF : 24431124305.8/22

149.470+/-0.000 χ^2/NDF : 58604006333.8

151.691+/-0.000 χ^2/NDF : 34083818310.7/24

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.844+/-0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.862+/-0.000 χ^2/NDF : 63937.7/5

Right Out: 0.880+/-0.000 χ^2/NDF : 2823230.1/19

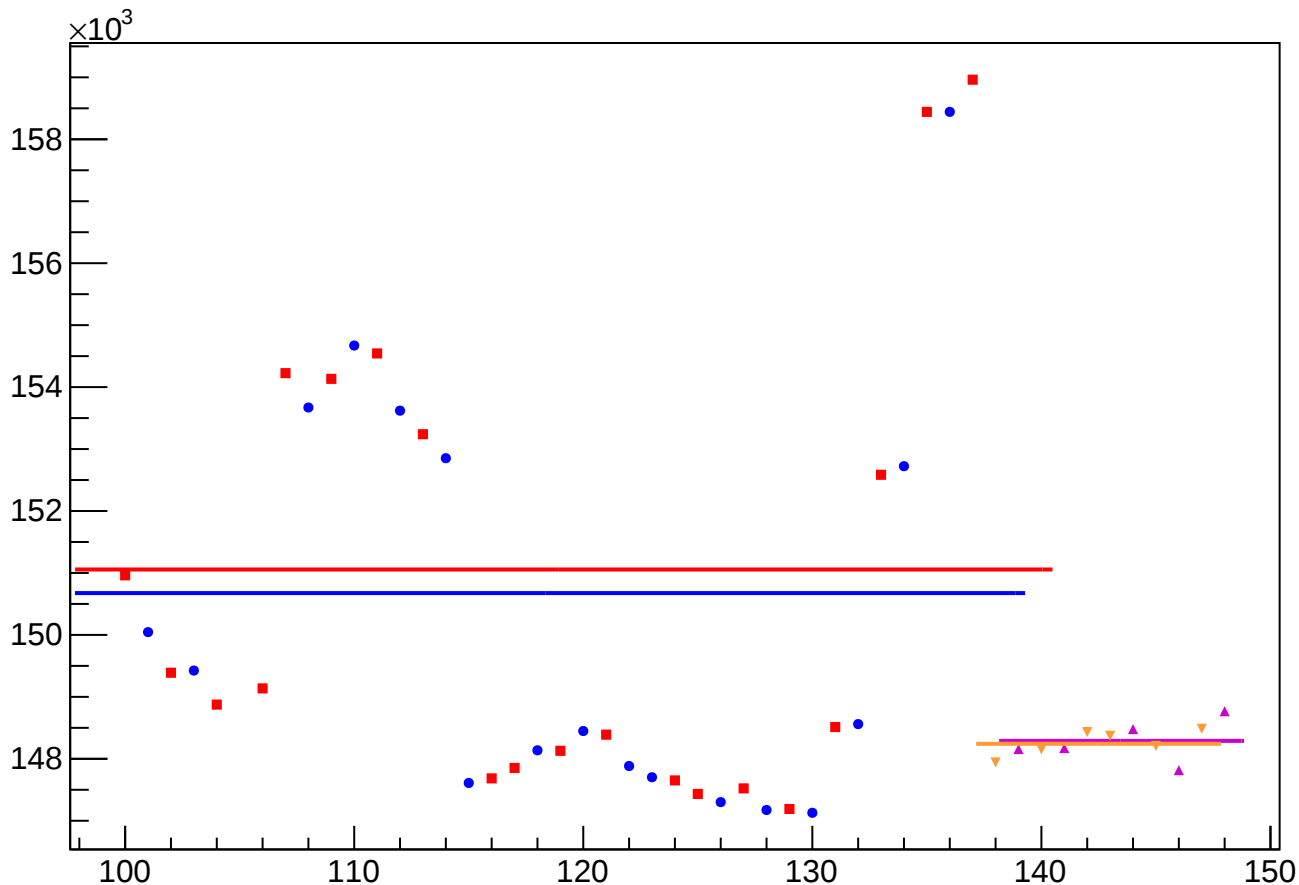
Left In: 0.908+/-0.000 χ^2/NDF : 26356.6/4

0.851+/-0.000 χ^2/NDF : 2735944.6/22

0.871+/-0.000 χ^2/NDF : 5603987.5/47

0.892+/-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: 148242.390 $\pm$ 0.092 χ^2 /NDF: 4058728.6/5

Right Out: 151056.044 $\pm$ 0.059 χ^2 /NDF: 3325519080.9/19

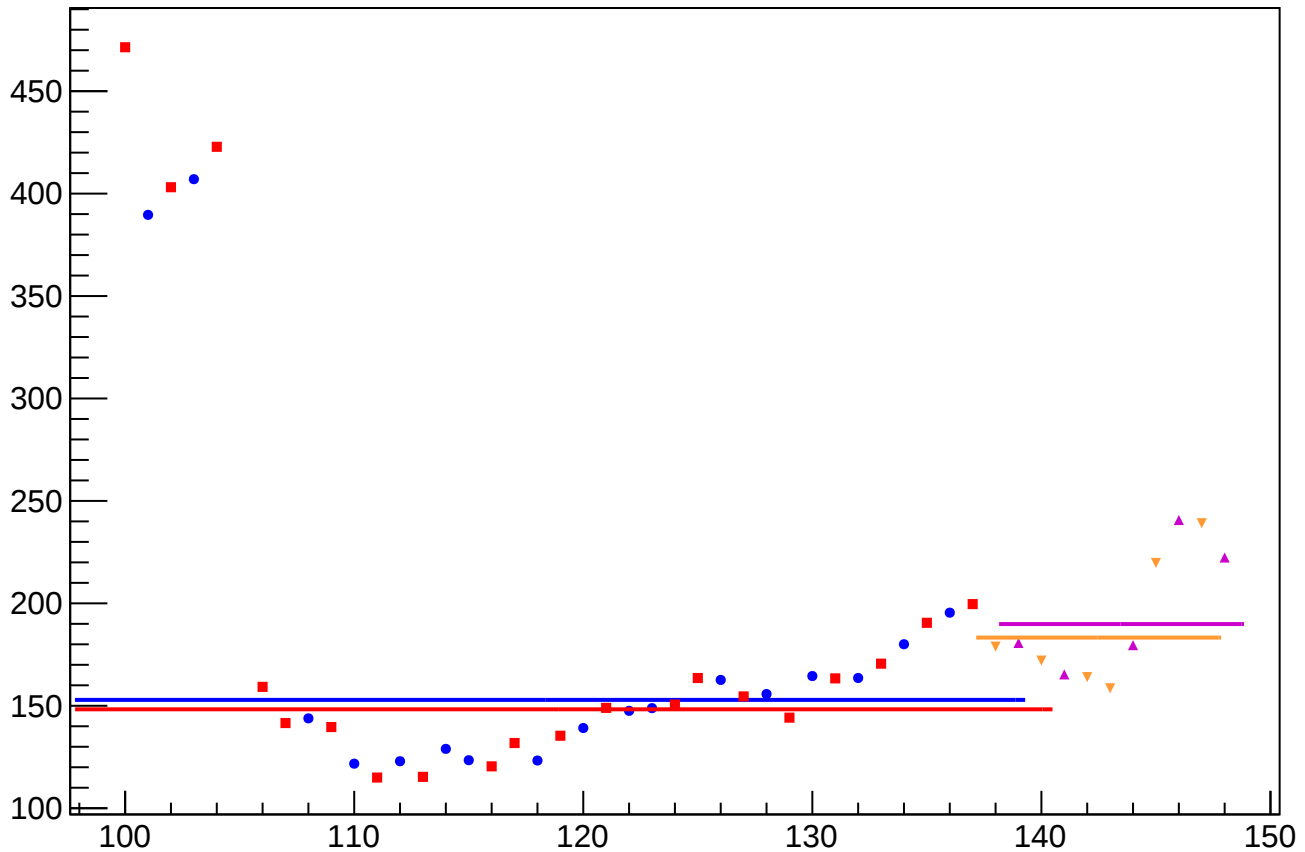
Left In: 148289.568 $\pm$ 0.097 χ^2 /NDF: 8468604.8/4

149893.444 $\pm$ 0.052 χ^2 /NDF: 3793657651.9/22

150099.250 $\pm$ 0.036 χ^2 /NDF: 775414664

150295.179 $\pm$ 0.051 χ^2 /NDF: 3929758922.8/24

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 152.883 $\pm$ 0.045 χ^2/NDF : 1154088.7/16

Left Out: 183.295 $\pm$ 0.065 χ^2/NDF : 177948.4/5

Right Out: 148.278 $\pm$ 0.042 χ^2/NDF : 1192879.8/19

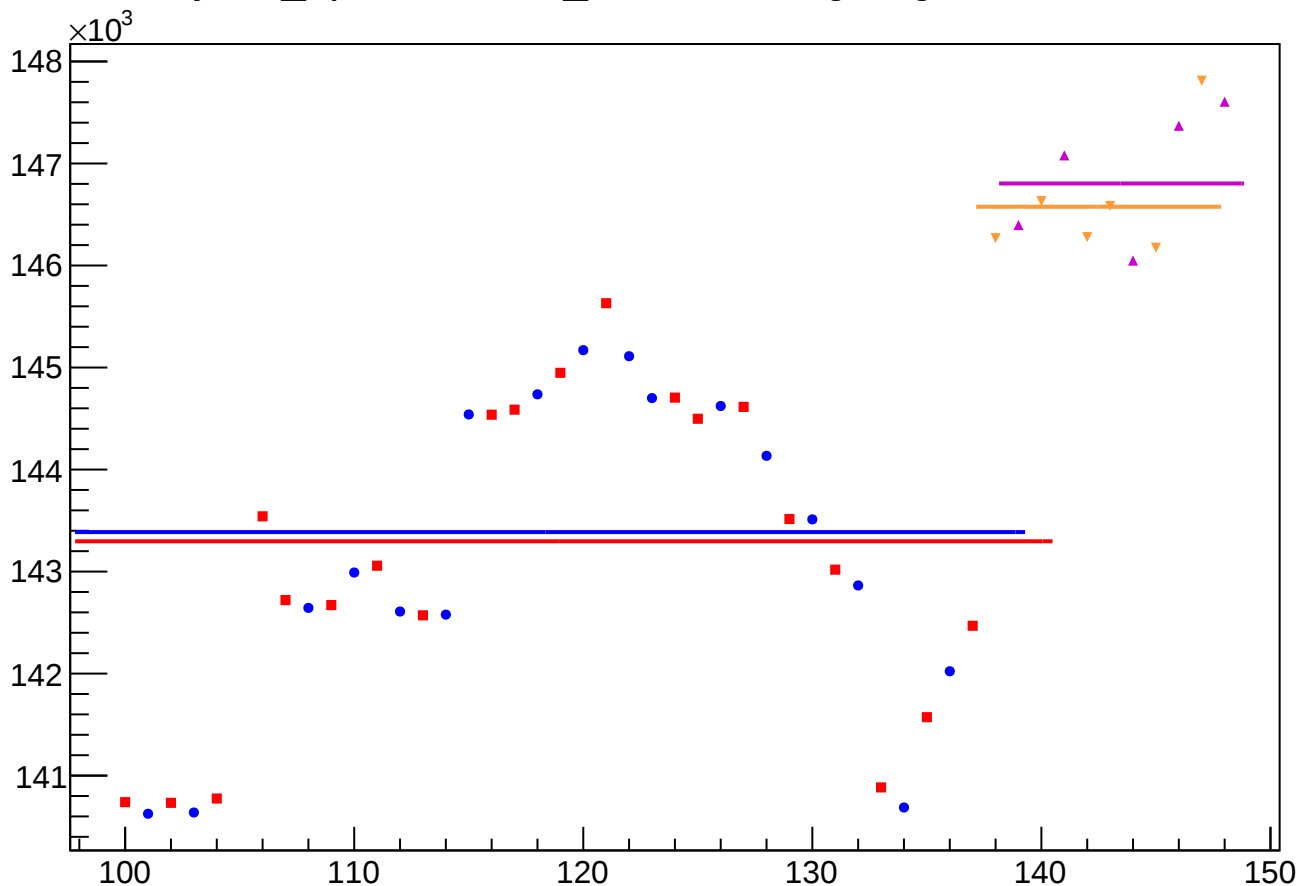
Left In: 189.896 $\pm$ 0.068 χ^2/NDF : 150288.5/4

162.654 $\pm$ 0.037 χ^2/NDF : 1481958.5/22

161.153 $\pm$ 0.026 χ^2/NDF : 3098048.4/47

159.724 $\pm$ 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: 146575.948 $\pm$ 0.091 χ^2 /NDF: 26008621.5/5

144183.543 $\pm$ 0.046 χ^2 /NDF: 1460946601.1/22

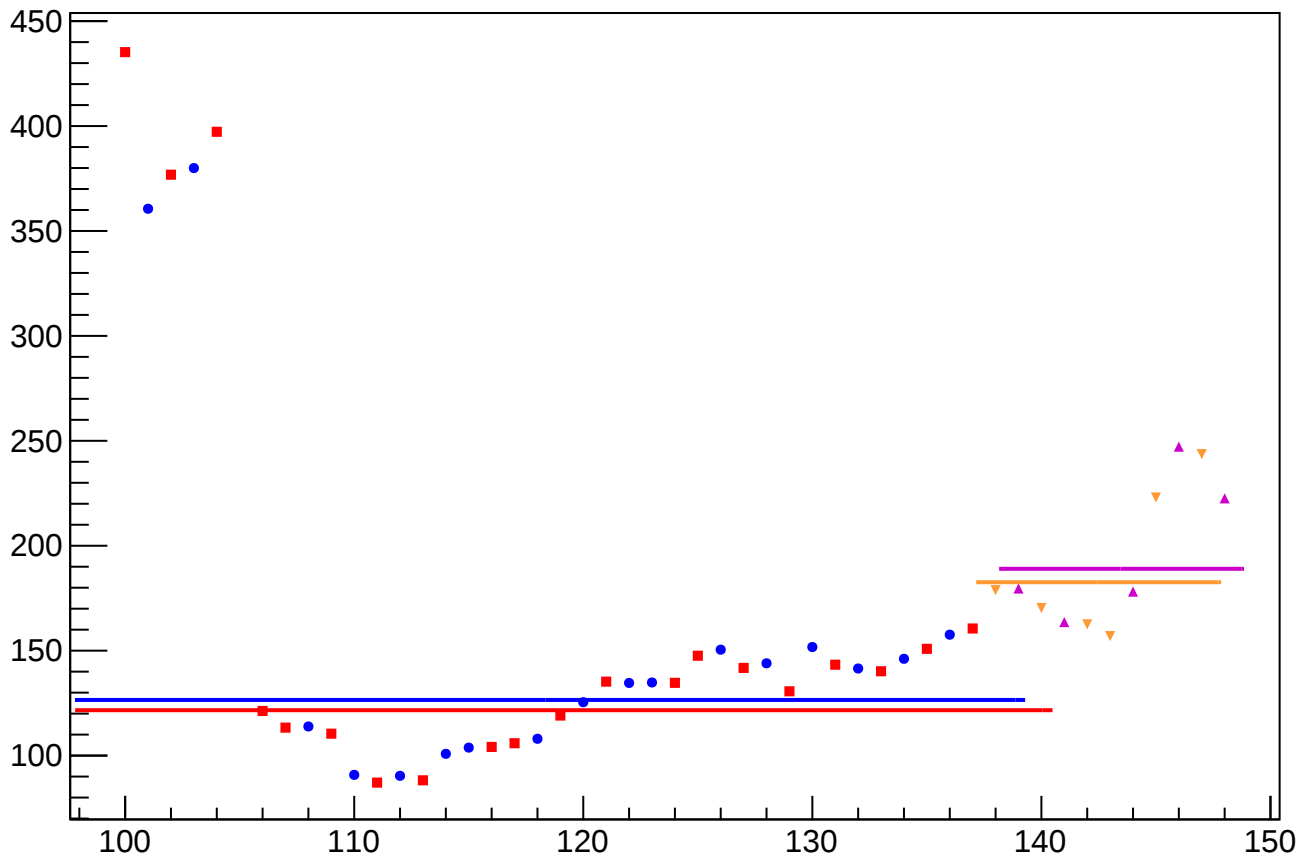
Right Out: 143296.790 $\pm$ 0.049 χ^2 /NDF: 615134284.0/19

144095.235 $\pm$ 0.032 χ^2 /NDF: 317292701

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 $\pm$ 0.037 χ^2/NDF : 1441685.0/16

Left Out: 182.623 $\pm$ 0.065 χ^2/NDF : 203740.8/5

Right Out: 121.625 $\pm$ 0.035 χ^2/NDF : 1465763.8/19

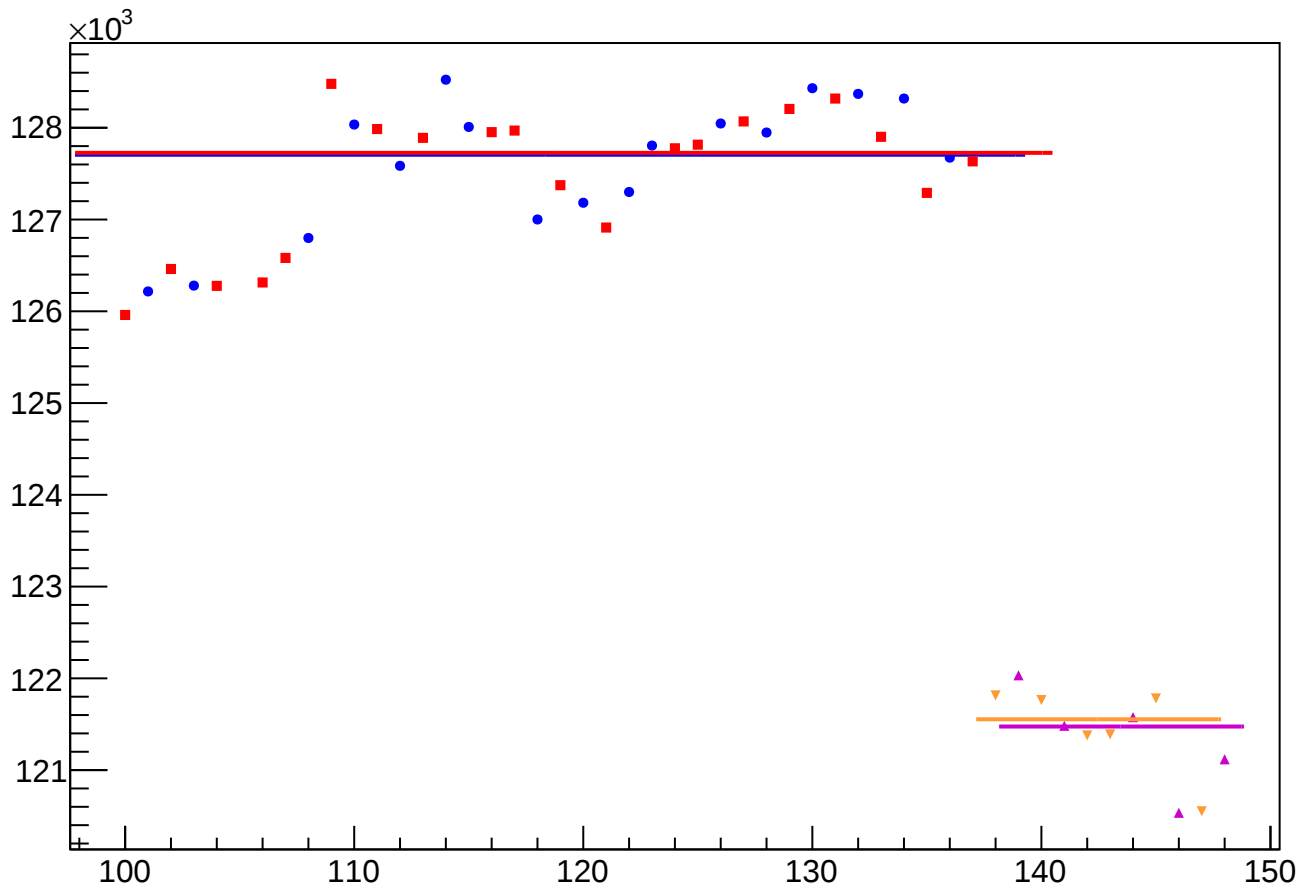
Left In: 189.008 $\pm$ 0.068 χ^2/NDF : 173236.4/4

140.528 $\pm$ 0.032 χ^2/NDF : 2211148.5/22

137.855 $\pm$ 0.022 χ^2/NDF : 4641539.0/47

135.420 $\pm$ 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: 121553.773 $\pm$ 0.079 χ^2 /NDF: 18234515.9/5

Right Out: 127726.708 $\pm$ 0.054 χ^2 /NDF: 112816704.3/19

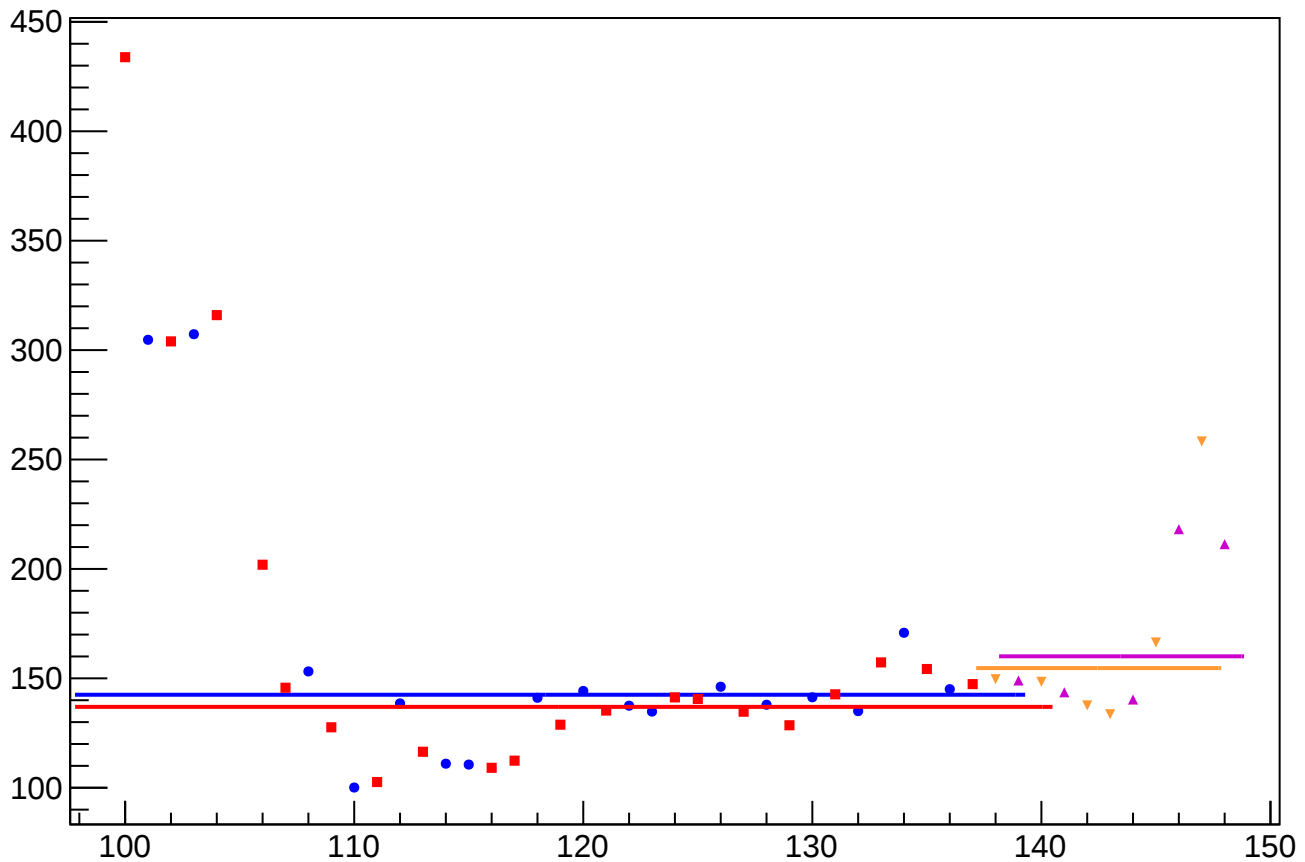
Left In: 121475.018 $\pm$ 0.083 χ^2 /NDF: 26465265.1/4

125537.748 $\pm$ 0.047 χ^2 /NDF: 4073874238.1/22

125693.894 $\pm$ 0.033 χ^2 /NDF: 824007858

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: 154.679+/-0.056 χ^2/NDF : 303822.5/5

Right Out: 136.963+/-0.038 χ^2/NDF : 961465.0/19

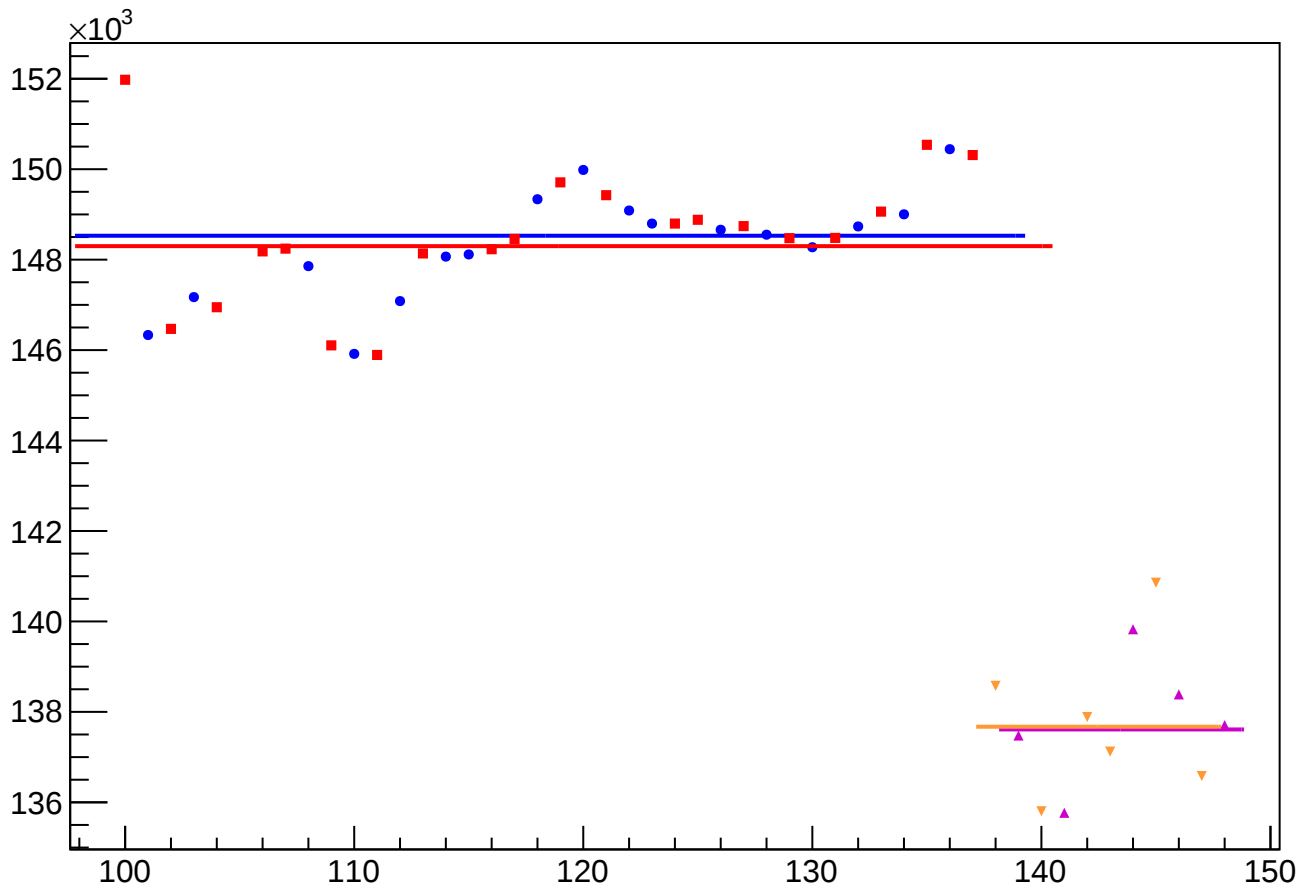
Left In: 160.065+/-0.058 χ^2/NDF : 263398.8/4

146.794+/-0.033 χ^2/NDF : 1171097.0/22

145.320+/-0.023 χ^2/NDF : 2509209.1/47

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: 137671.885 ± 0.119 $\chi^2/\text{NDF}: 186780651.4/5$

Right Out: 148298.586 ± 0.076 $\chi^2/\text{NDF}: 293284830.9/19$

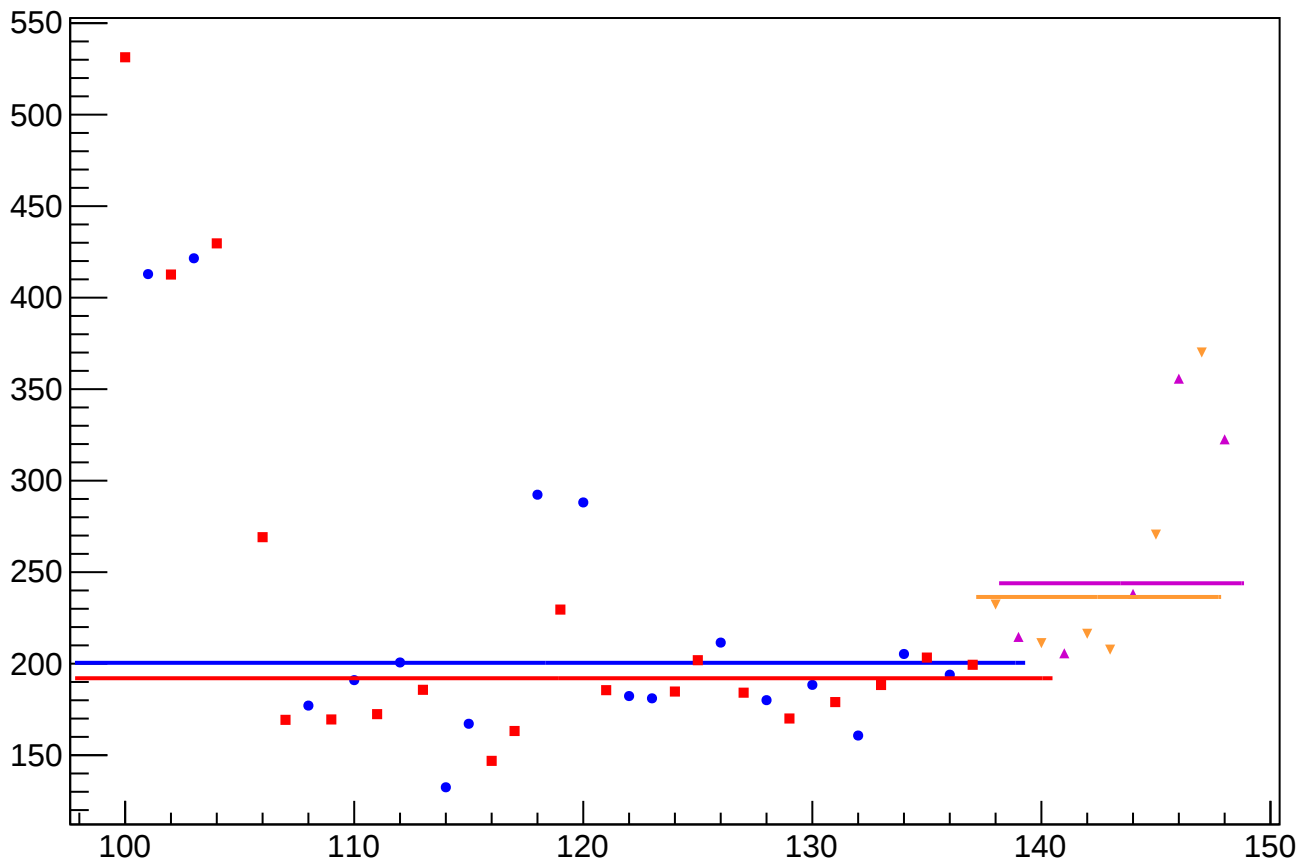
Left In: 137611.470 ± 0.126 $\chi^2/\text{NDF}: 144389478.4/4$

145040.925 ± 0.068 $\chi^2/\text{NDF}: 6018872798.0/22$

145250.949 ± 0.047 $\chi^2/\text{NDF}: 117447396$

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: 236.455 ± 0.084 χ^2/NDF : 279860.9/5

Right Out: 192.040 ± 0.054 χ^2/NDF : 847133.0/19

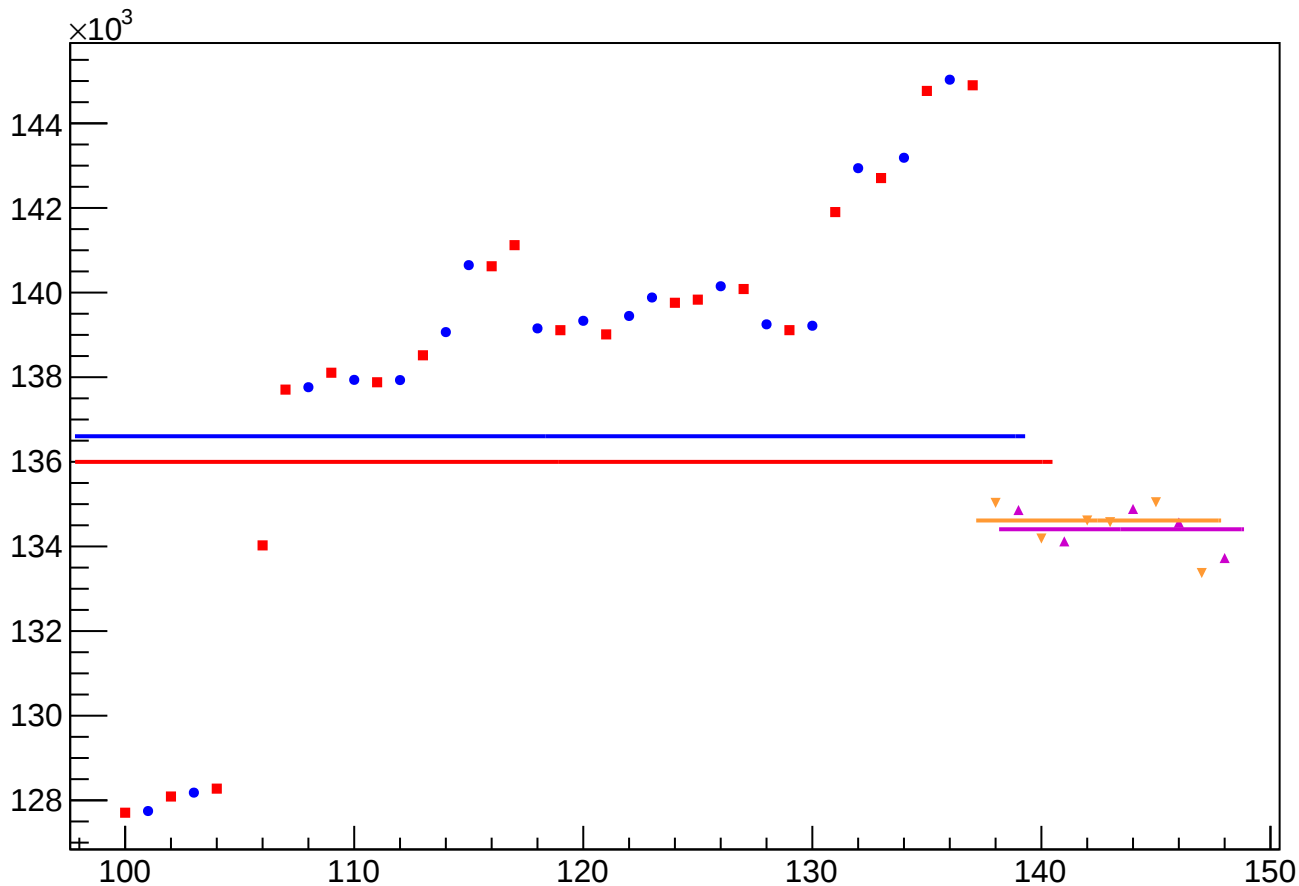
Left In: 243.939 ± 0.089 χ^2/NDF : 329625.5/4

212.032 ± 0.048 χ^2/NDF : 1339920.4/22

208.848 ± 0.033 χ^2/NDF : 2773768.3/47

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: 134613.516 $\pm$ 0.268 χ^2 /NDF: 3258510.9/5

136027.354 $\pm$ 0.144 χ^2 /NDF: 1536720922.1/22

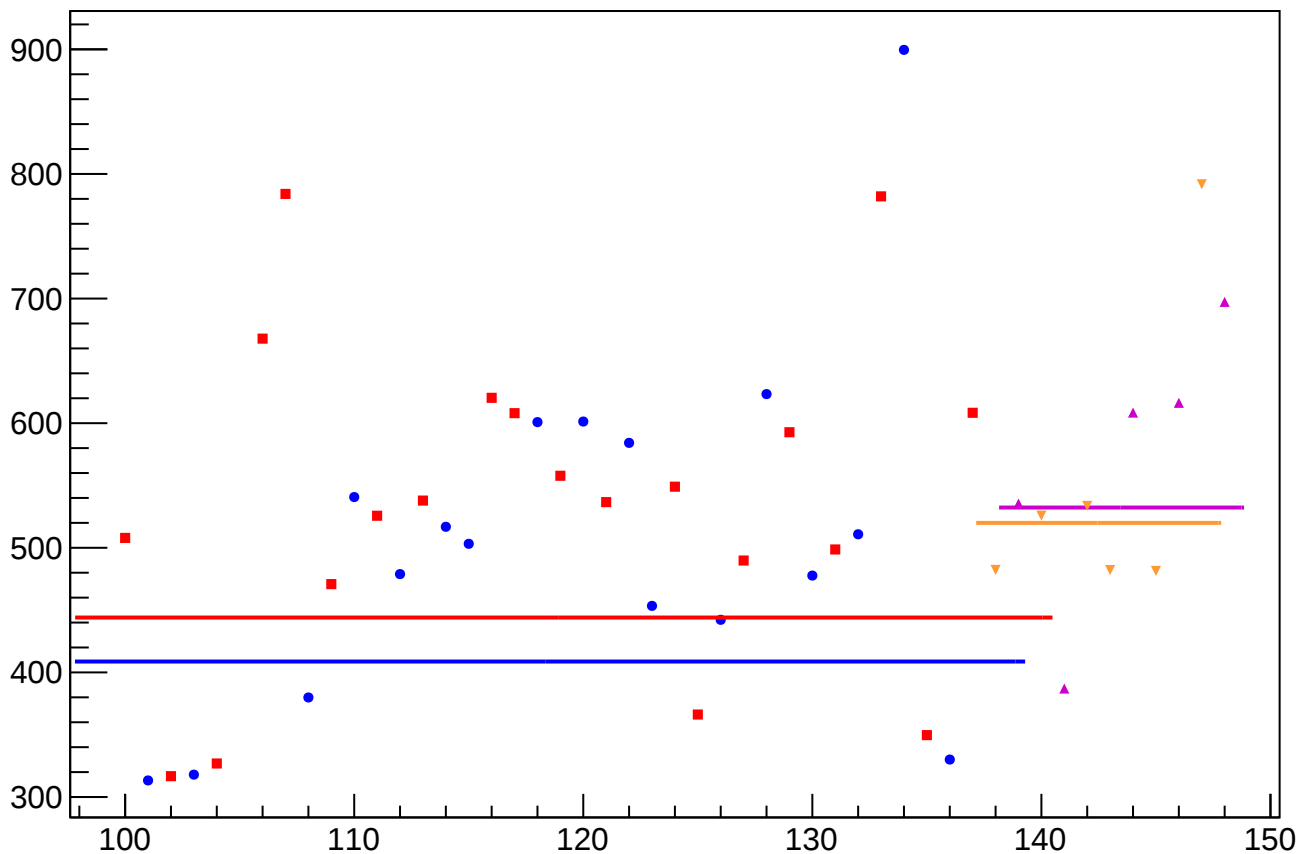
Right Out: 135998.851 $\pm$ 0.182 χ^2 /NDF: 1084895879.4/19

135809.957 $\pm$ 0.106 χ^2 /NDF: 264948776

Left In: 134406.073 $\pm$ 0.295 χ^2 /NDF: 1939103.8/4

135559.084 $\pm$ 0.155 χ^2 /NDF: 1107888988.8/24

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 408.729+/-0.121 χ^2/NDF : 823262.8/16

Left Out: 519.975+/-0.190 χ^2/NDF : 189663.3/5

Right Out: 444.034+/-0.129 χ^2/NDF : 922545.8/19

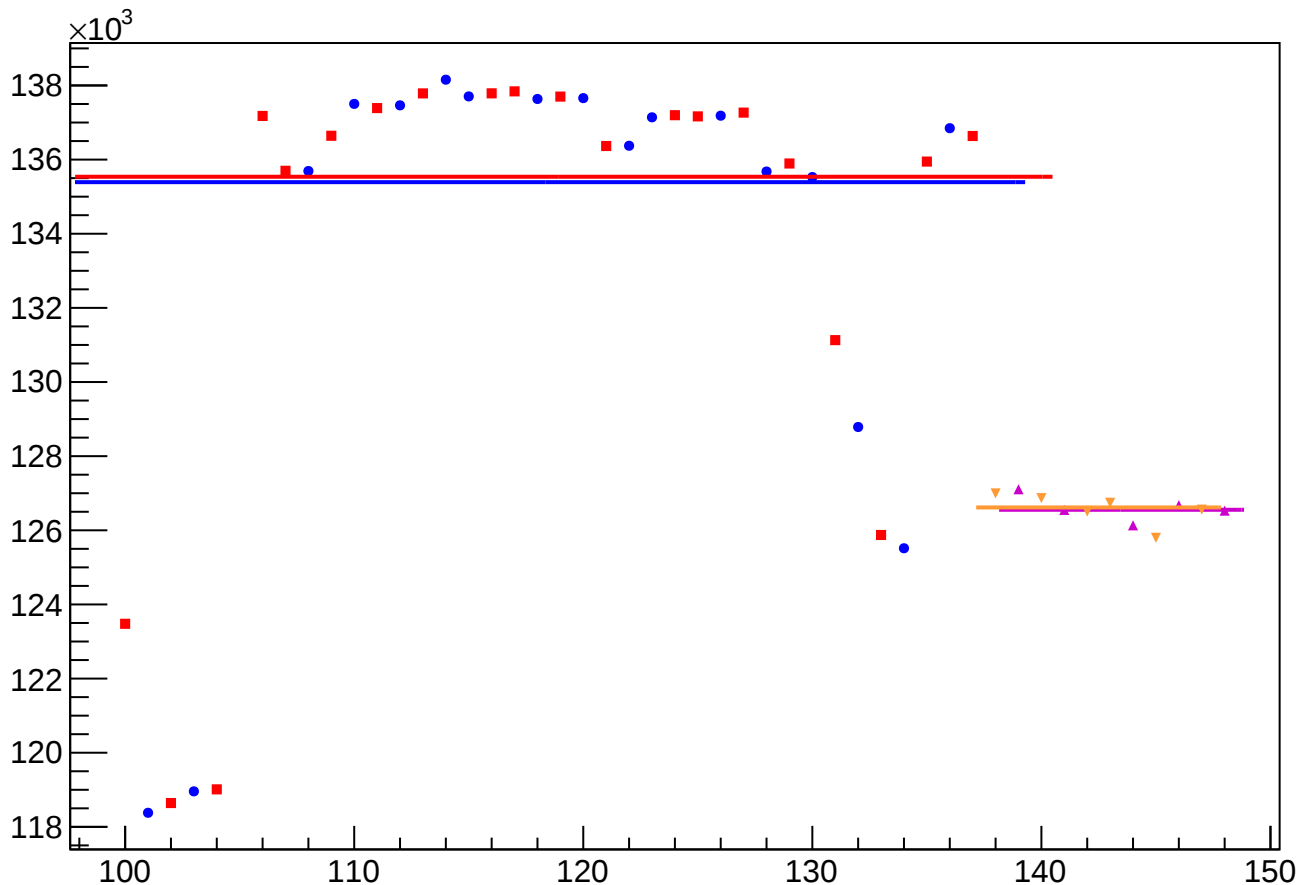
Left In: 532.302+/-0.209 χ^2/NDF : 304362.7/4

440.983+/-0.102 χ^2/NDF : 1257081.9/22

453.713+/-0.075 χ^2/NDF : 2646764.1/47

468.405+/-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: 126616.284 $\pm$ 0.086 χ^2/NDF : 21400517.3/5

Right Out: 135537.290 $\pm$ 0.064 χ^2/NDF : 4748951957.4/19

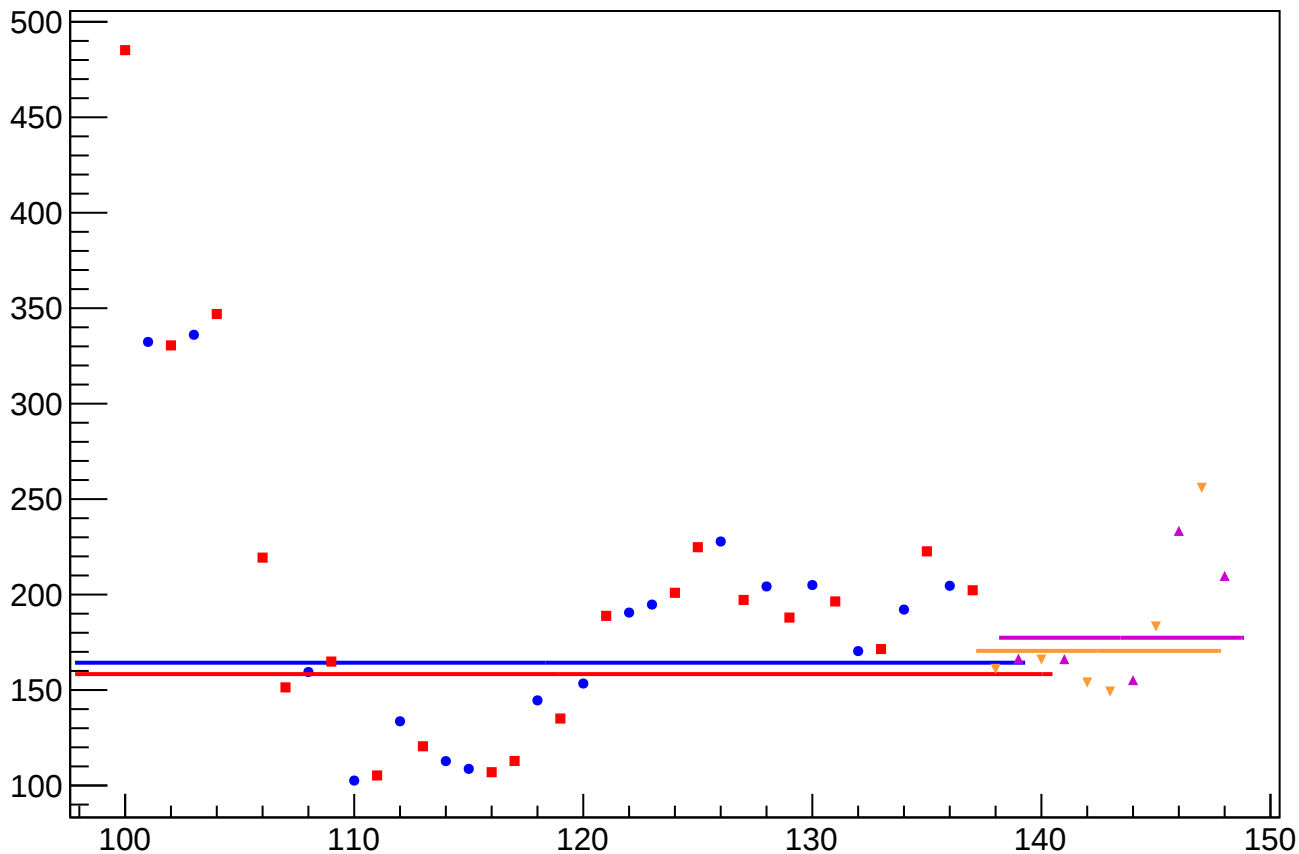
Left In: 126553.642 $\pm$ 0.091 χ^2/NDF : 13868252.6/4

131987.172 $\pm$ 0.053 χ^2/NDF : 11012056902.5/2

132274.562 $\pm$ 0.037 χ^2/NDF : 223963689

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: 170.516+/-0.061 χ^2/NDF : 222404.6/5

Right Out: 158.336+/-0.045 χ^2/NDF : 1398323.7/19

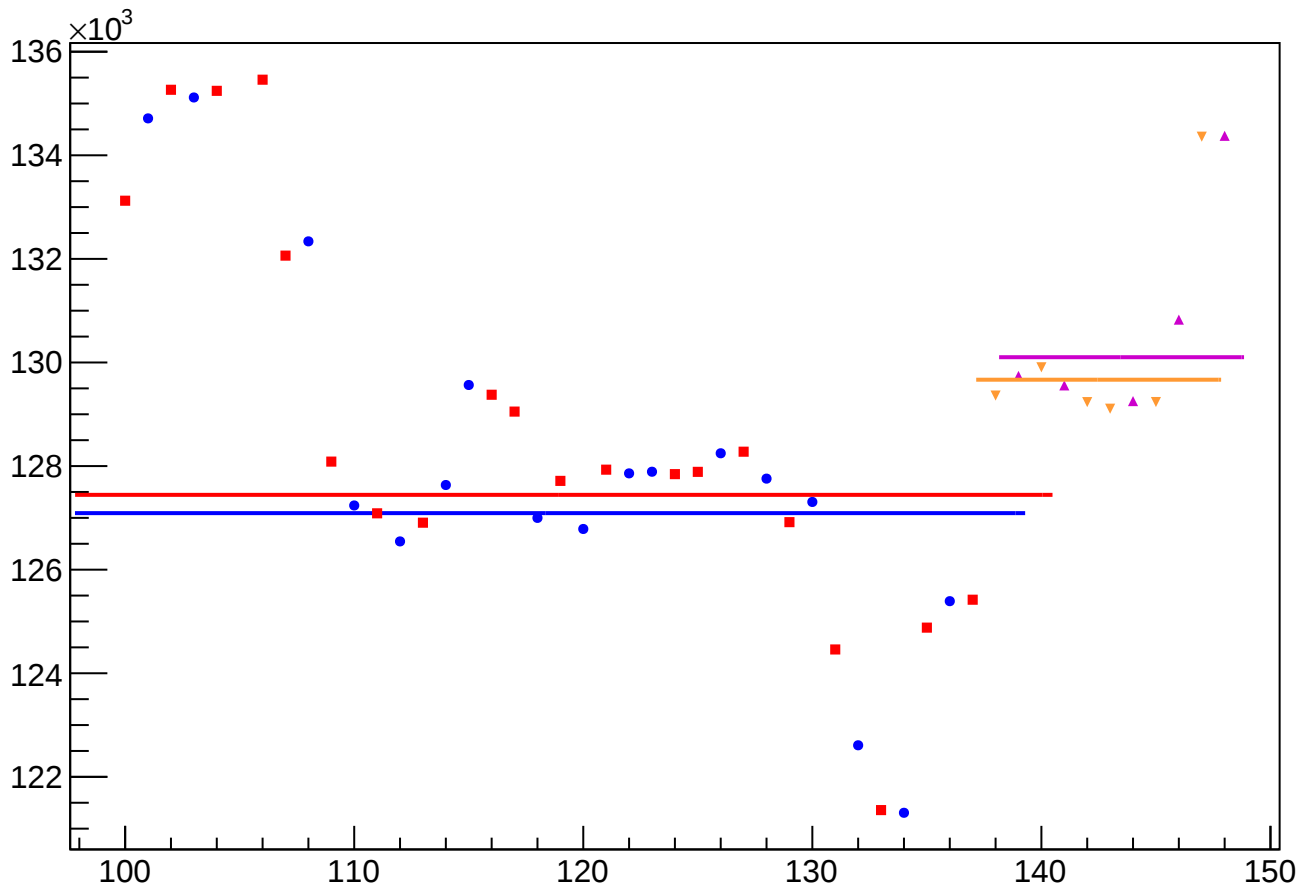
Left In: 177.393+/-0.064 χ^2/NDF : 175416.4/4

166.718+/-0.038 χ^2/NDF : 1459302.2/22

165.674+/-0.026 χ^2/NDF : 3093619.3/47

164.674+/-0.037 χ^2/NDF : 1632819.9/24

yield_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 127091.500 ± 0.066 $\chi^2/\text{NDF}: 1717208780.6/16$

Left Out: 129667.444 ± 0.086 $\chi^2/\text{NDF}: 193163506.7/5$

Right Out: 127444.472 ± 0.061 $\chi^2/\text{NDF}: 2082646787.7/19$

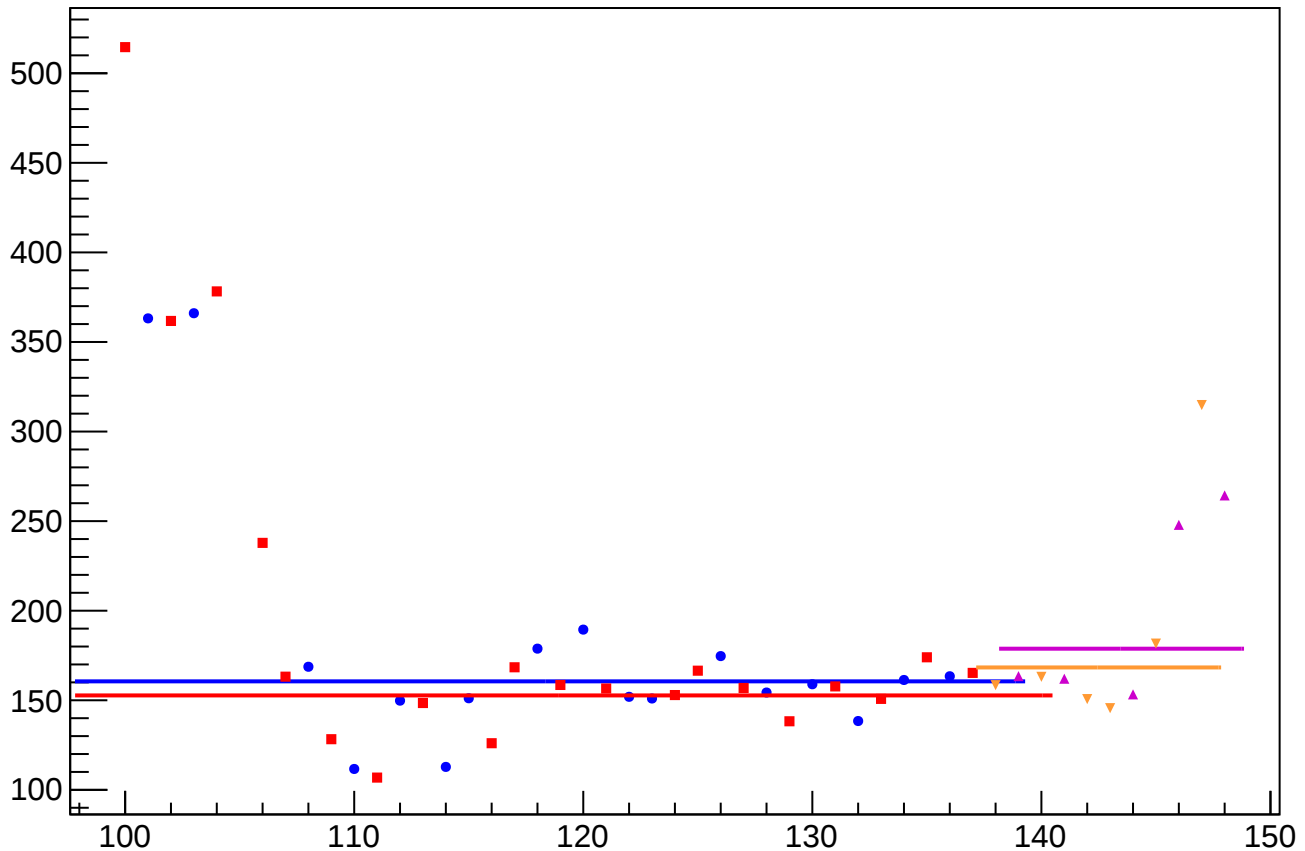
Left In: 130101.847 ± 0.093 $\chi^2/\text{NDF}: 248628767.4/4$

128055.399 ± 0.052 $\chi^2/\text{NDF}: 2475172586.6/22$

128158.559 ± 0.037 $\chi^2/\text{NDF}: 538677350$

128256.667 ± 0.051 $\chi^2/\text{NDF}: 2904053983.3/24$

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 160.564+/-0.047 χ^2/NDF : 942747.0/16

Left Out: 168.326+/-0.061 χ^2/NDF : 392727.4/5

Right Out: 152.711+/-0.043 χ^2/NDF : 1087186.3/19

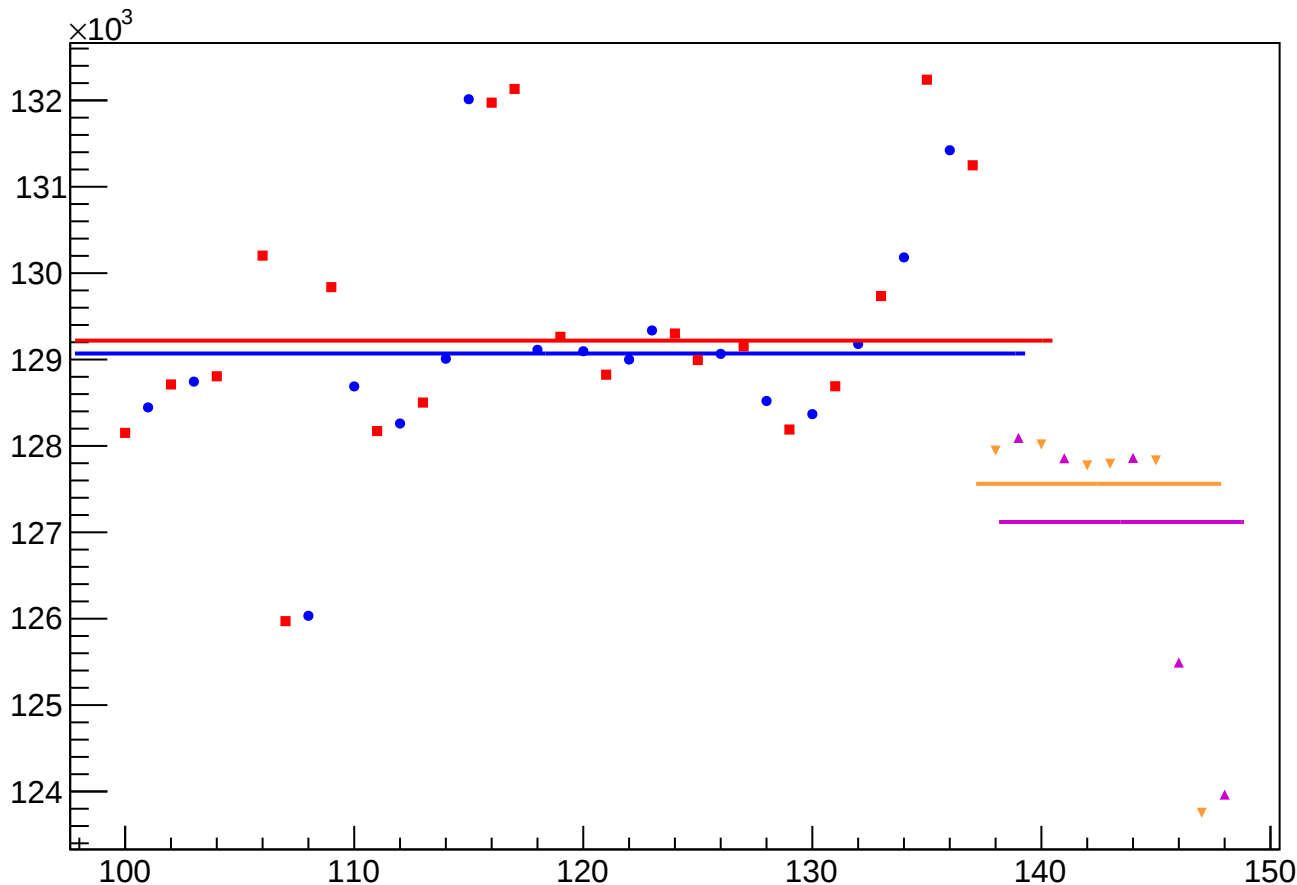
Left In: 178.791+/-0.065 χ^2/NDF : 361221.5/4

163.469+/-0.037 χ^2/NDF : 1345731.6/22

162.040+/-0.026 χ^2/NDF : 2907377.0/47

160.682+/-0.036 χ^2/NDF : 1558751.5/24

yield_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: 129069.668 ± 0.060 $\chi^2/\text{NDF}: 476692316.5/16$

Left Out: 127561.581 ± 0.082 $\chi^2/\text{NDF}: 182147537.1/5$

Right Out: 129219.072 ± 0.056 $\chi^2/\text{NDF}: 660468184.1/19$

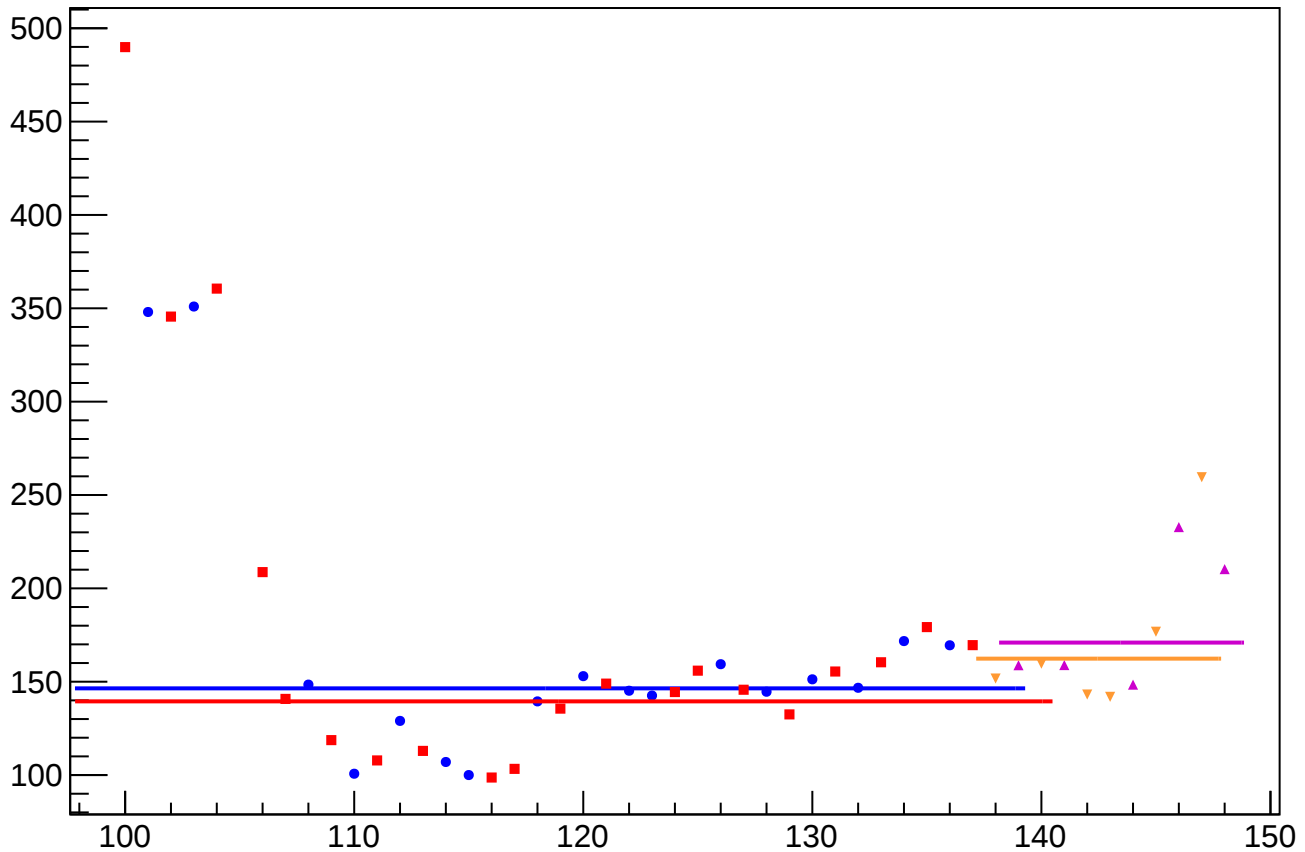
Left In: 127119.503 ± 0.088 $\chi^2/\text{NDF}: 277747958.8/4$

128541.137 ± 0.048 $\chi^2/\text{NDF}: 878998721.4/22$

128578.633 ± 0.034 $\chi^2/\text{NDF}: 222738308$

128613.889 ± 0.047 $\chi^2/\text{NDF}: 1347224343.7/24$

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 146.437+/-0.043 χ^2/NDF : 1064791.0/16

Left Out: 162.351+/-0.058 χ^2/NDF : 276959.5/5

Right Out: 139.468+/-0.039 χ^2/NDF : 1214310.8/19

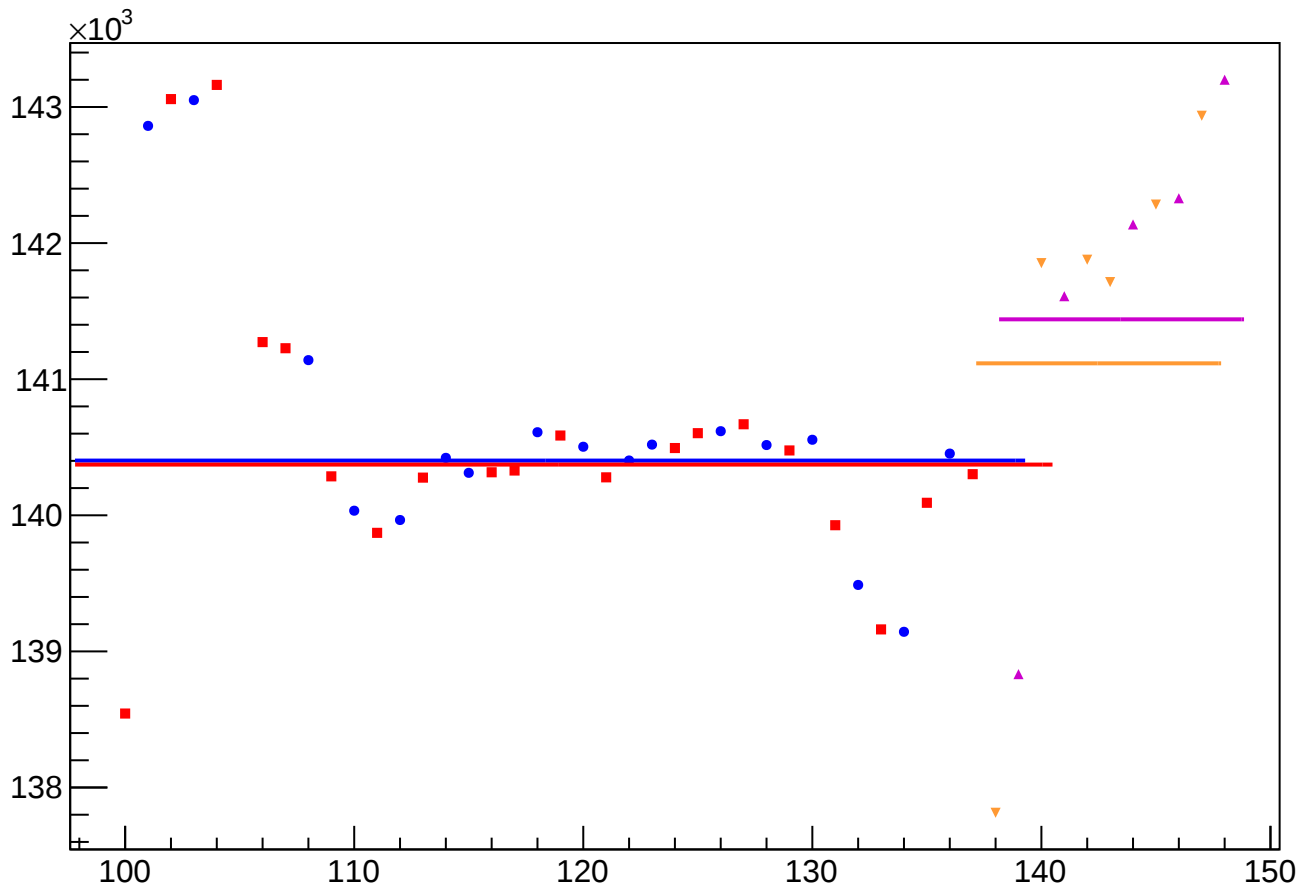
Left In: 170.952+/-0.062 χ^2/NDF : 221803.5/4

152.015+/-0.034 χ^2/NDF : 1390782.2/22

150.225+/-0.024 χ^2/NDF : 3016124.5/47

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: 141116.539 $\pm$ 0.097 χ^2 /NDF: 326593405.8/5

Right Out: 140372.636 $\pm$ 0.059 χ^2 /NDF: 99861038.9/19

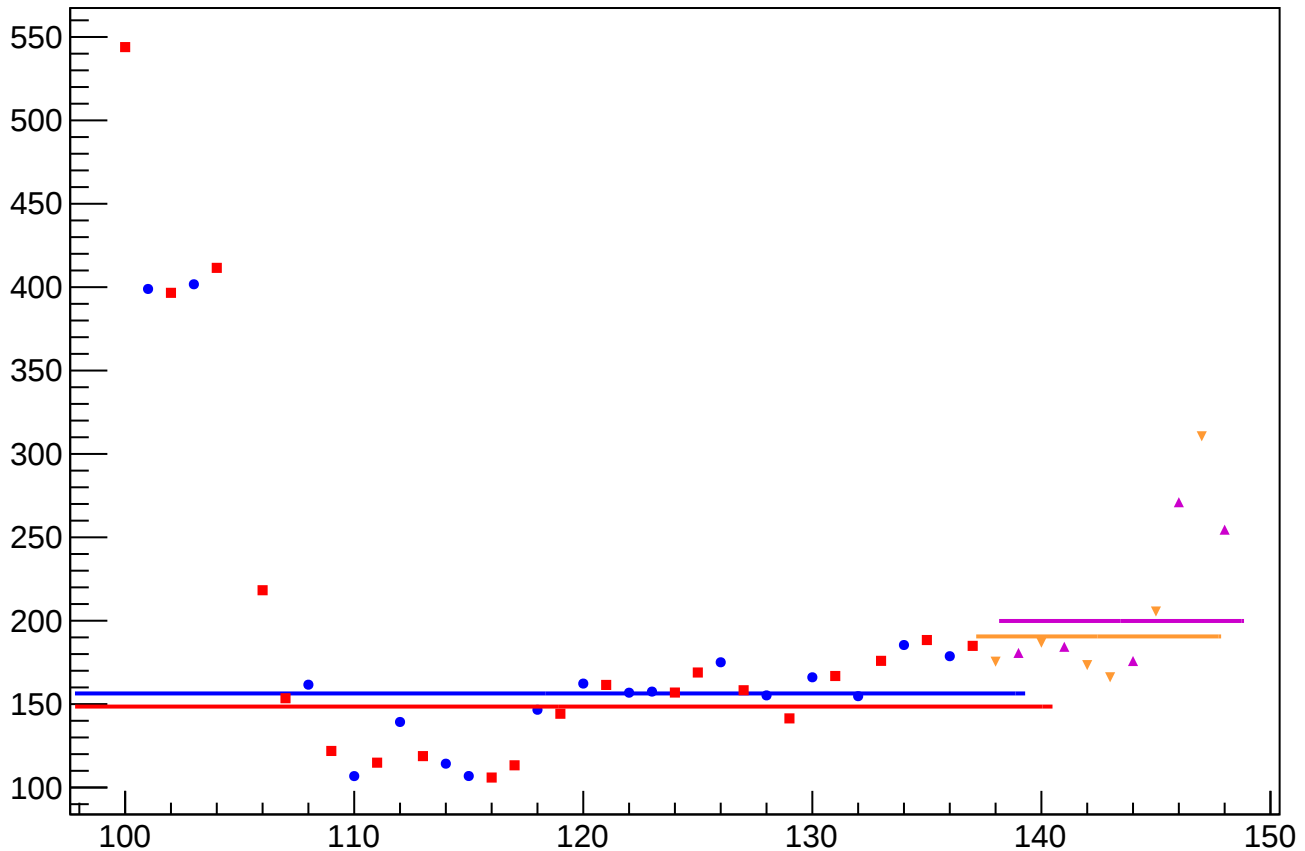
Left In: 141439.839 $\pm$ 0.103 χ^2 /NDF: 199545661.6/4

140620.947 $\pm$ 0.054 χ^2 /NDF: 452446099.8/22

140631.040 $\pm$ 0.037 χ^2 /NDF: 832645339

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: 190.577+/-0.068 χ^2/NDF : 287150.6/5

Right Out: 148.524+/-0.042 χ^2/NDF : 1316113.9/19

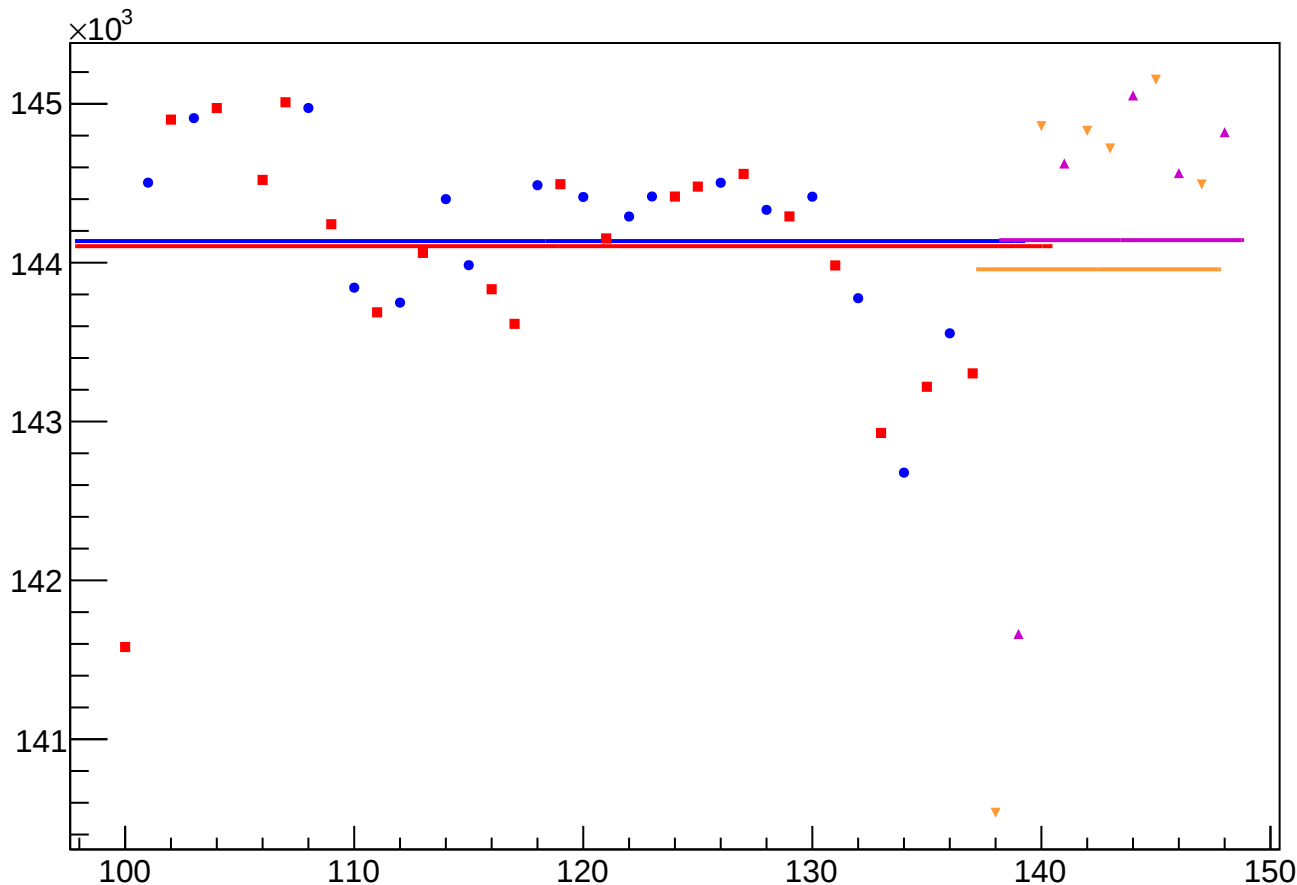
Left In: 199.847+/-0.073 χ^2/NDF : 238390.9/4

166.868+/-0.038 χ^2/NDF : 1614893.4/22

164.024+/-0.026 χ^2/NDF : 3553618.8/47

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: 143958.441 $\pm$ 0.095 χ^2 /NDF: 336779386.9/5

Right Out: 144103.887 $\pm$ 0.062 χ^2 /NDF: 65973087.5/19

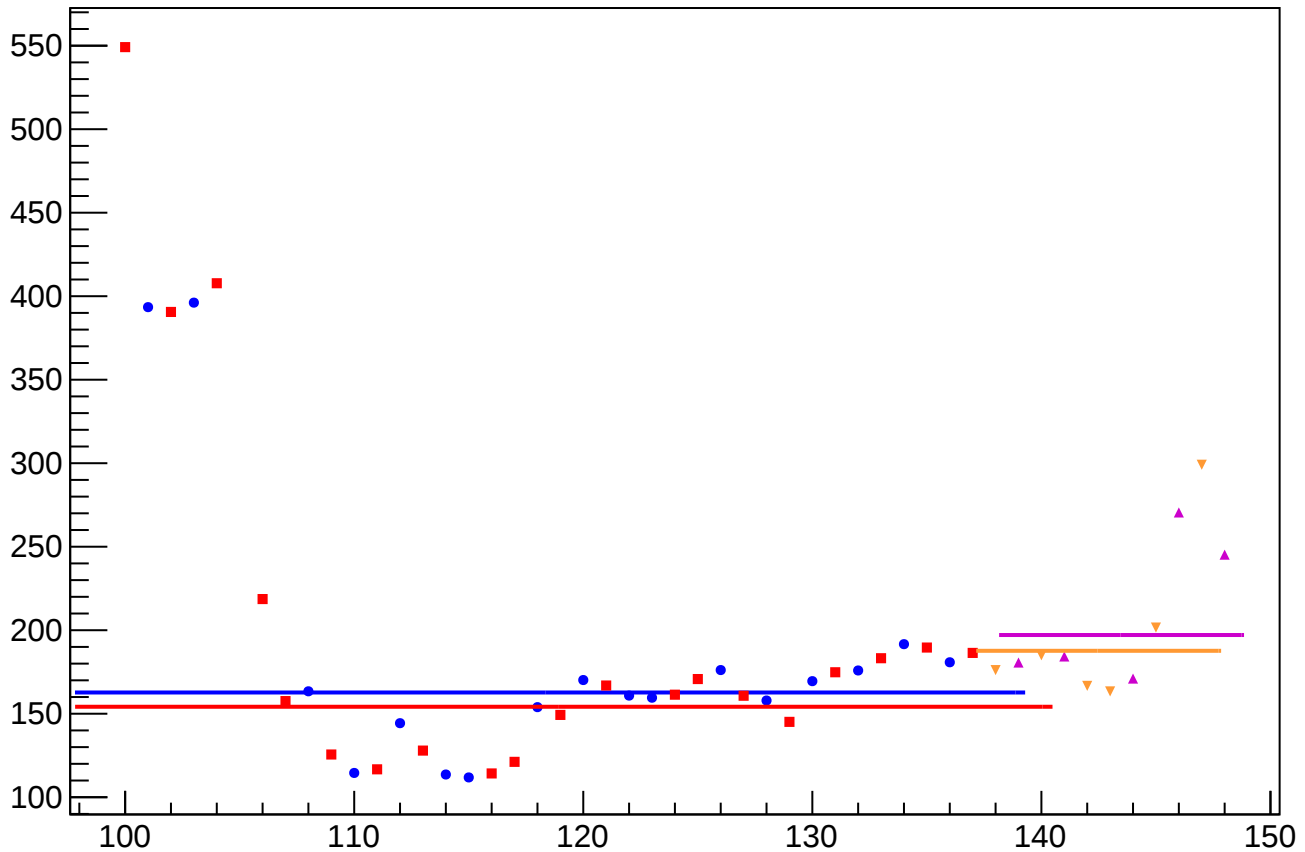
Left In: 144141.889 $\pm$ 0.101 χ^2 /NDF: 164421412.7/4

144077.449 $\pm$ 0.055 χ^2 /NDF: 386187071.5/22

144096.484 $\pm$ 0.038 χ^2 /NDF: 616918021

144114.116 $\pm$ 0.053 χ^2 /NDF: 230497208.9/24

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 162.714 $\pm$ 0.047 χ^2 /NDF: 1066482.0/16

Left Out: 187.675 $\pm$ 0.067 χ^2 /NDF: 270844.0/5

Right Out: 154.174 $\pm$ 0.044 χ^2 /NDF: 1224004.2/19

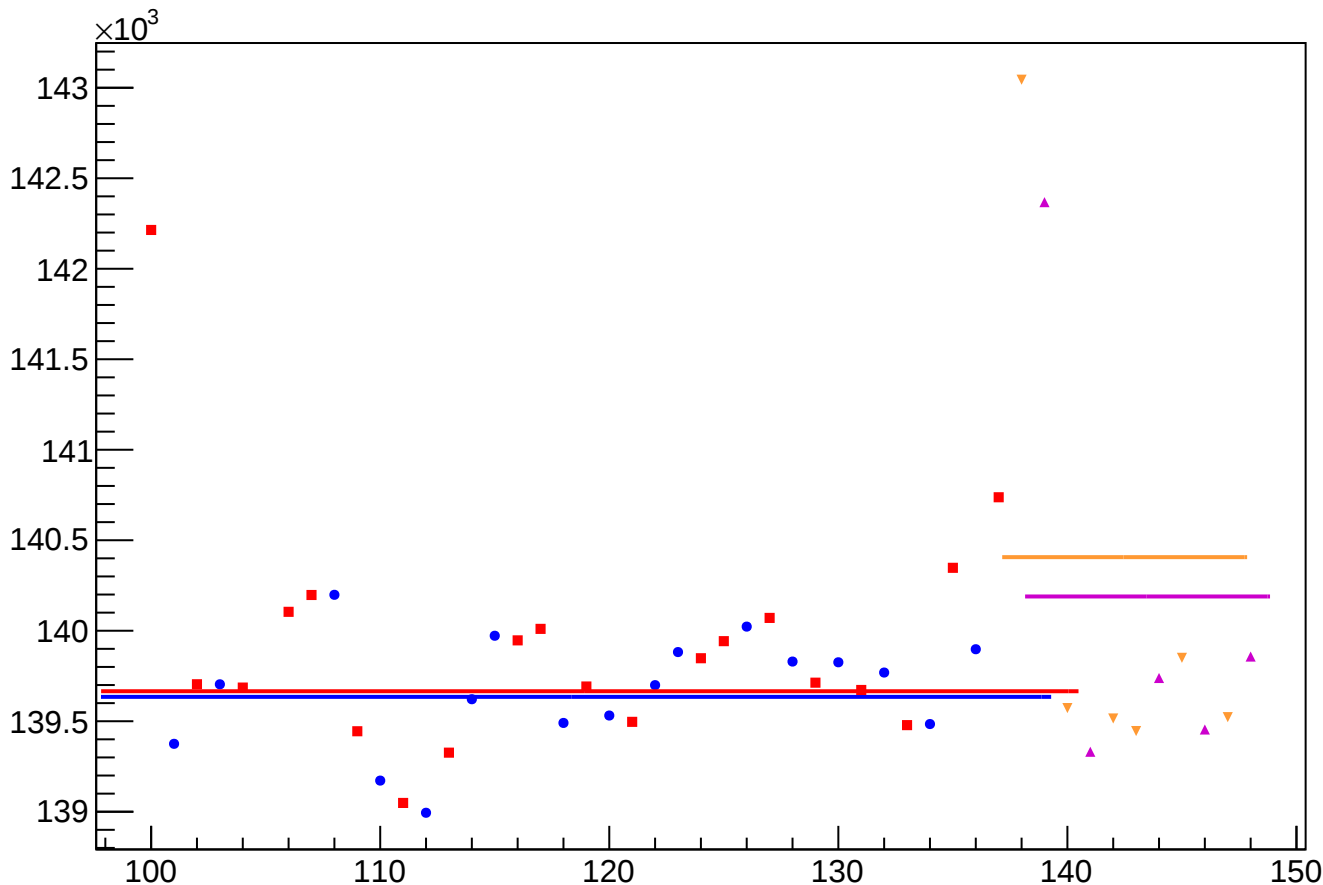
Left In: 197.127 $\pm$ 0.072 χ^2 /NDF: 233255.5/4

170.956 $\pm$ 0.039 χ^2 /NDF: 1429620.5/22

168.246 $\pm$ 0.027 χ^2 /NDF: 3158796.7/47

165.736 $\pm$ 0.037 χ^2 /NDF: 1719701.3/24

yield_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: 139634.700 $\pm$ 0.068 χ^2 /NDF: 24844912.0/16

Left Out: 140406.587 $\pm$ 0.105 χ^2 /NDF: 195920003.8/5

Right Out: 139665.743 $\pm$ 0.063 χ^2 /NDF: 38703726.2/19

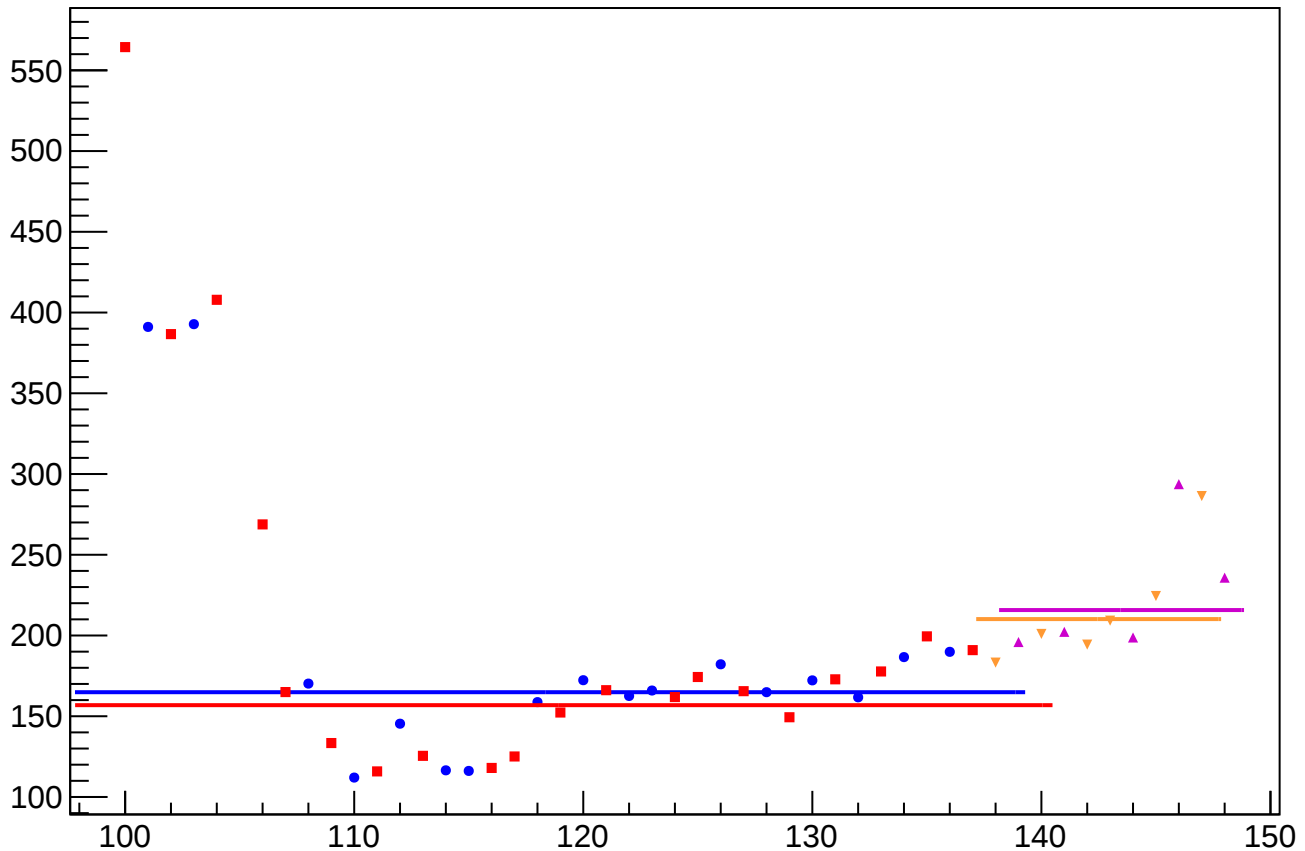
Left In: 140189.297 $\pm$ 0.110 χ^2 /NDF: 108876023.3/4

139860.800 $\pm$ 0.057 χ^2 /NDF: 258757501.6/22

139825.630 $\pm$ 0.039 χ^2 /NDF: 424077437

139793.451 $\pm$ 0.055 χ^2 /NDF: 164590681.0/24

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 164.884 ± 0.048 $\chi^2/\text{NDF}: 1066270.8/16$

Left Out: 210.164 ± 0.074 $\chi^2/\text{NDF}: 155757.3/5$

Right Out: 156.859 ± 0.044 $\chi^2/\text{NDF}: 1250656.2/19$

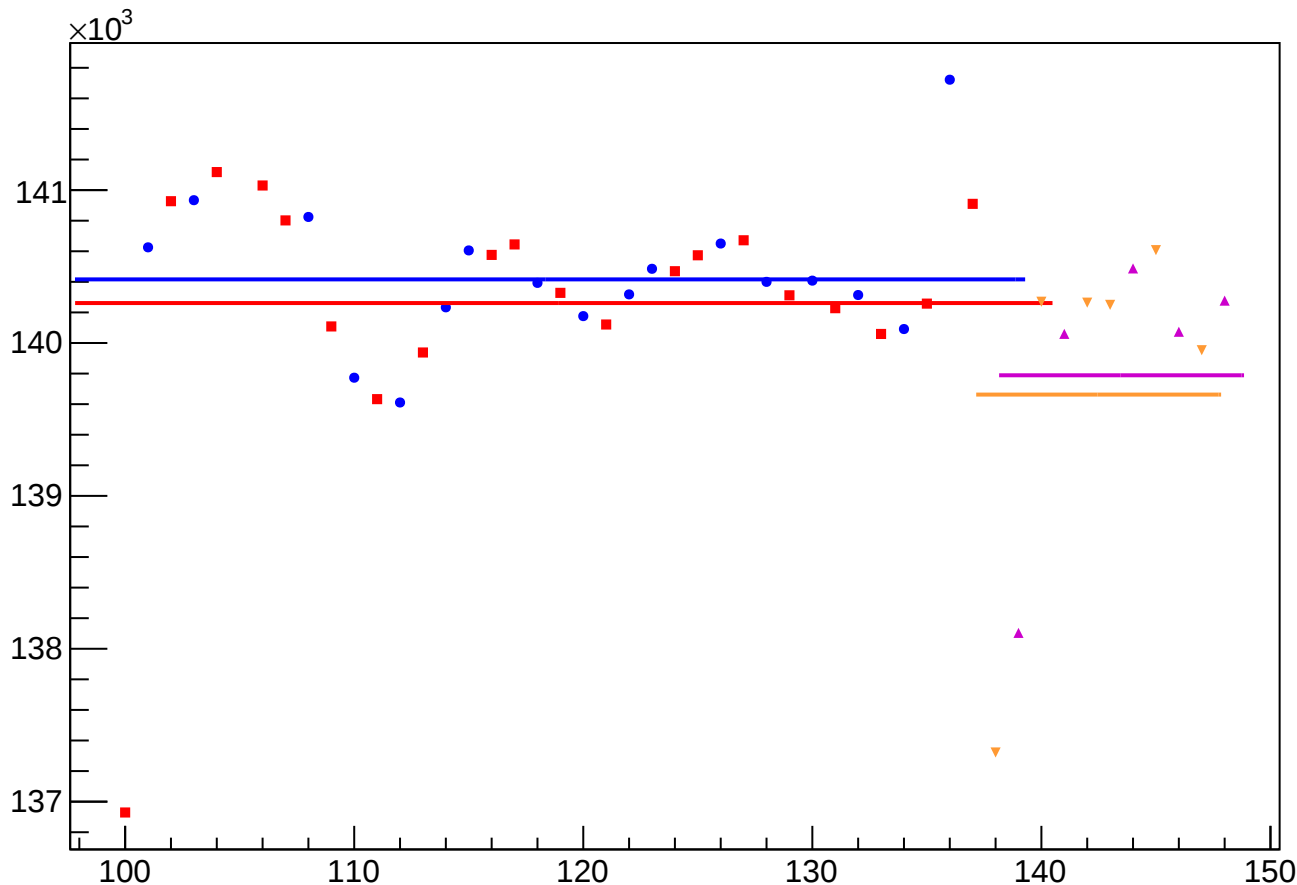
Left In: 215.759 ± 0.078 $\chi^2/\text{NDF}: 154245.0/4$

178.148 ± 0.040 $\chi^2/\text{NDF}: 1483498.7/22$

174.533 ± 0.028 $\chi^2/\text{NDF}: 3334390.3/47$

171.227 ± 0.039 $\chi^2/\text{NDF}: 1835489.3/24$

yield_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 140416.064 ± 0.068 $\chi^2/\text{NDF}: 69975821.3/16$

Left Out: 139662.588 ± 0.093 $\chi^2/\text{NDF}: 176791902.1/5$

Right Out: 140261.267 ± 0.063 $\chi^2/\text{NDF}: 38479140.4/19$

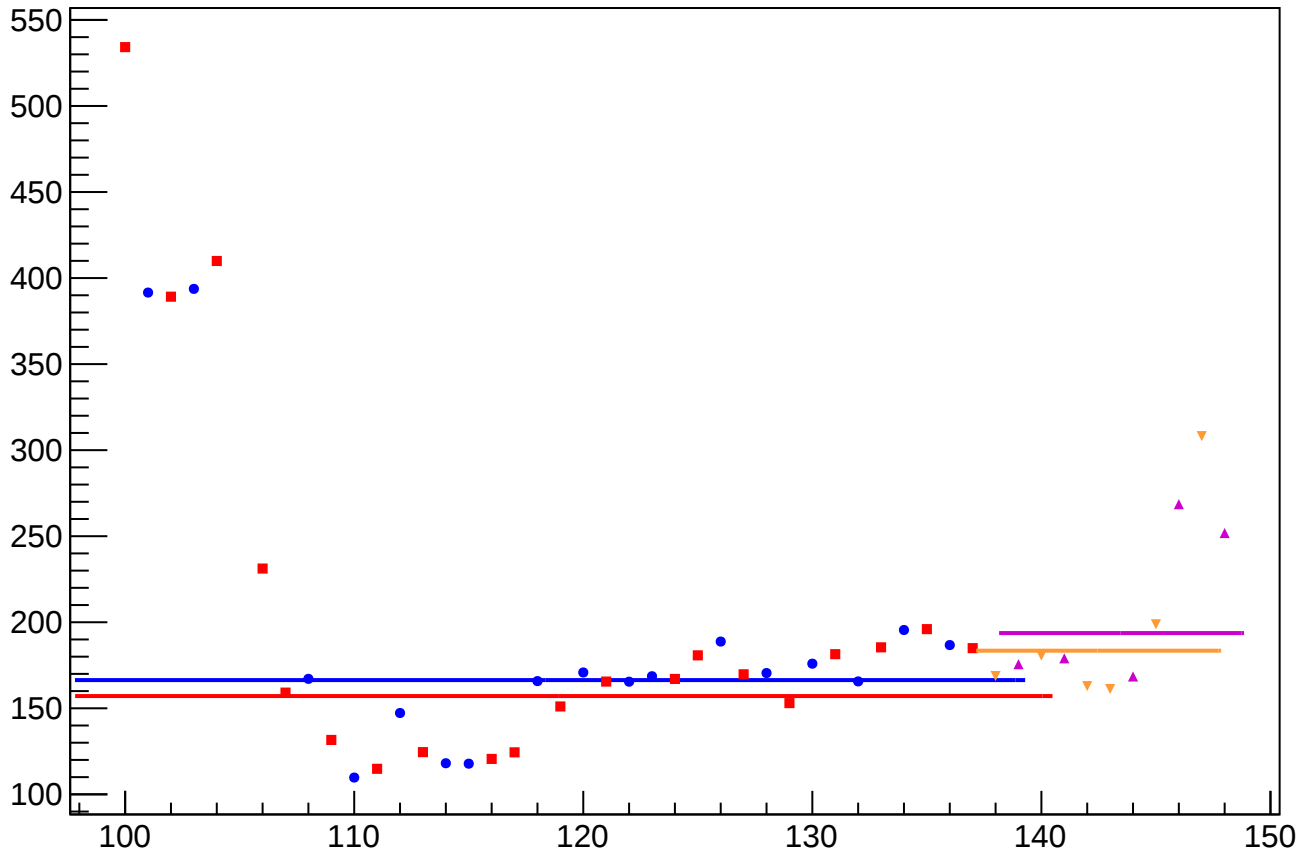
Left In: 139788.830 ± 0.100 $\chi^2/\text{NDF}: 82300956.6/4$

140151.540 ± 0.055 $\chi^2/\text{NDF}: 289376384.8/22$

140138.897 ± 0.038 $\chi^2/\text{NDF}: 426328629$

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: 183.477 ± 0.066 χ^2/NDF : 312369.9/5

Right Out: 157.110 ± 0.044 χ^2/NDF : 1235934.7/19

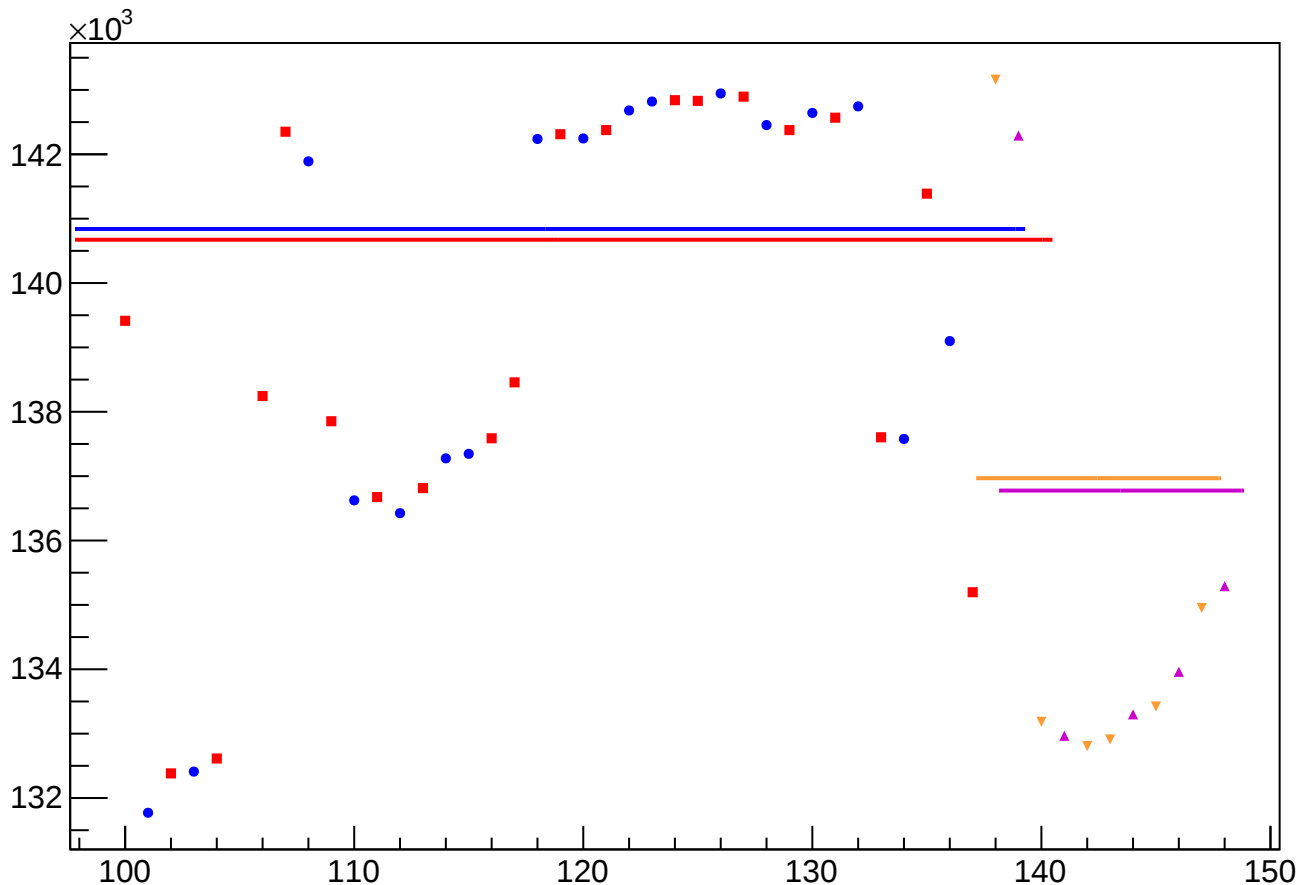
Left In: 193.716 ± 0.071 χ^2/NDF : 267929.6/4

172.387 ± 0.039 χ^2/NDF : 1437170.5/22

169.857 ± 0.027 χ^2/NDF : 3142139.1/47

167.503 ± 0.038 χ^2/NDF : 1696826.8/24

yield_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 140839.133 $\pm$ 0.100 χ^2 /NDF: 822682996.3/16

Left Out: 136968.054 $\pm$ 0.147 χ^2 /NDF: 1044632973.6/5

Right Out: 140672.898 $\pm$ 0.099 χ^2 /NDF: 841965357.5/19

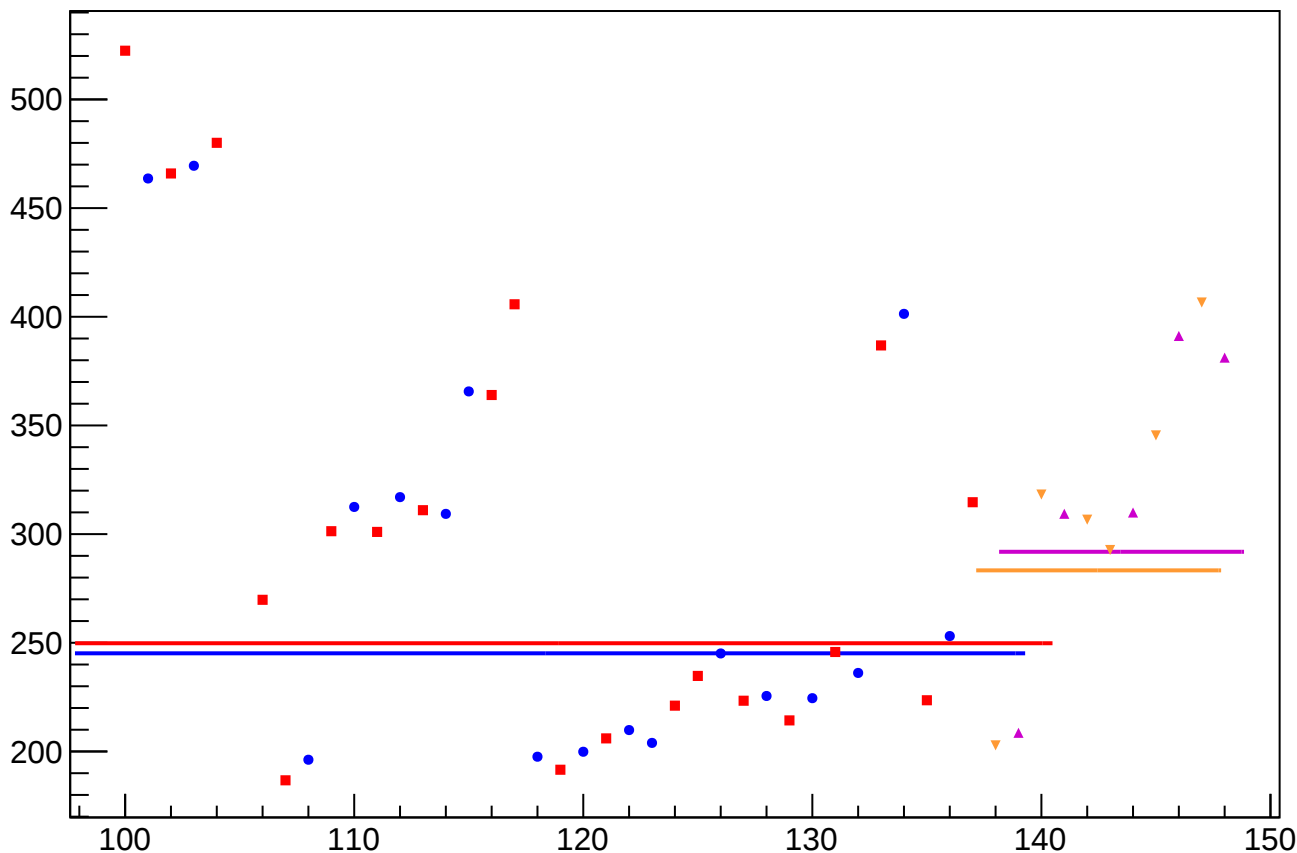
Left In: 136775.965 $\pm$ 0.154 χ^2 /NDF: 734801630.7/4

139610.239 $\pm$ 0.083 χ^2 /NDF: 2342919019.3/22

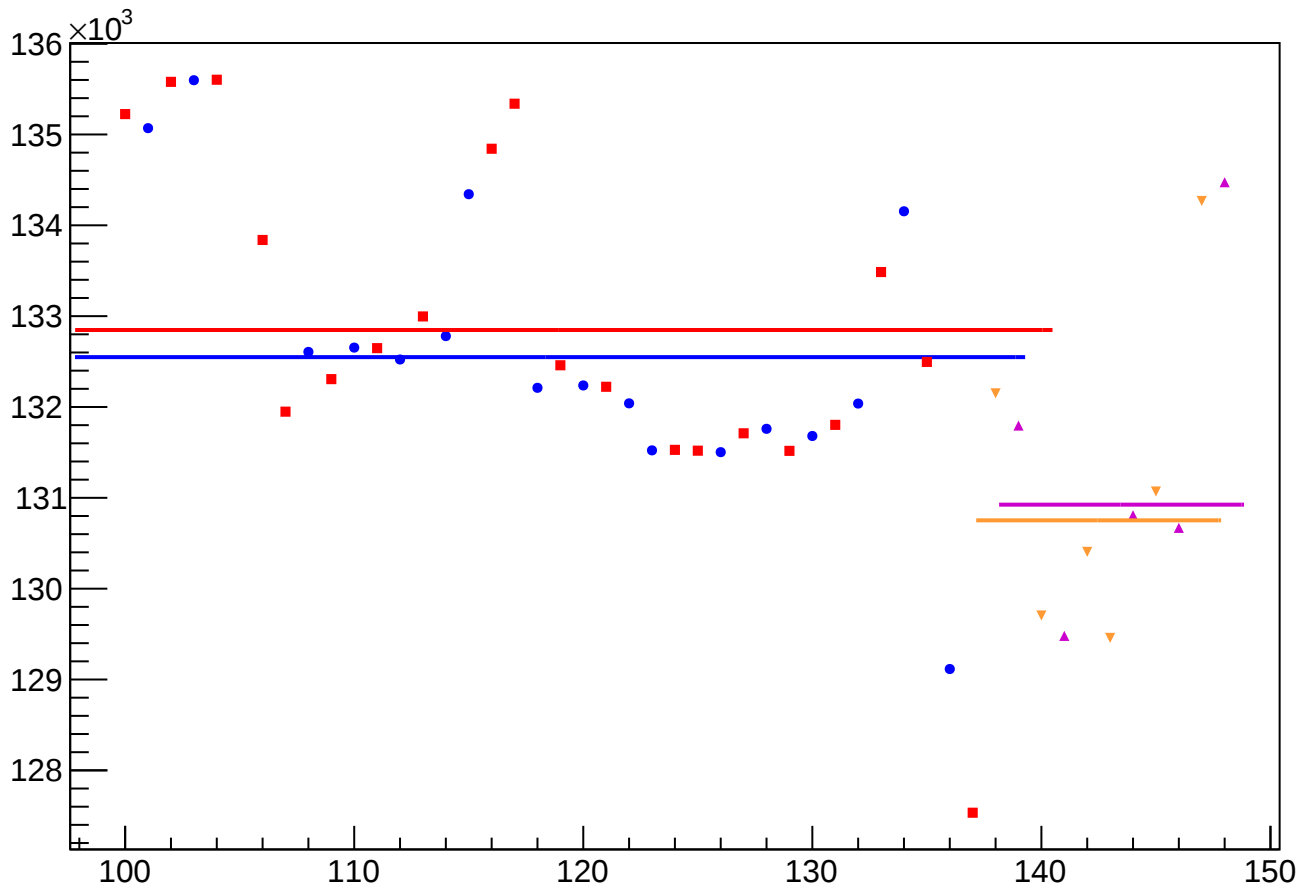
139571.403 $\pm$ 0.059 χ^2 /NDF: 437398966

139531.991 $\pm$ 0.083 χ^2 /NDF: 2030625526.5/24

yield_bpm0r03WS_rms vs Slug, Sign Corrected



yield_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: 132548.888 $\pm$ 0.119 χ^2 /NDF: 161115079.9/16

Left Out: 130752.154 $\pm$ 0.102 χ^2 /NDF: 160216113.4/5

Right Out: 132847.502 $\pm$ 0.107 χ^2 /NDF: 151618589.4/19

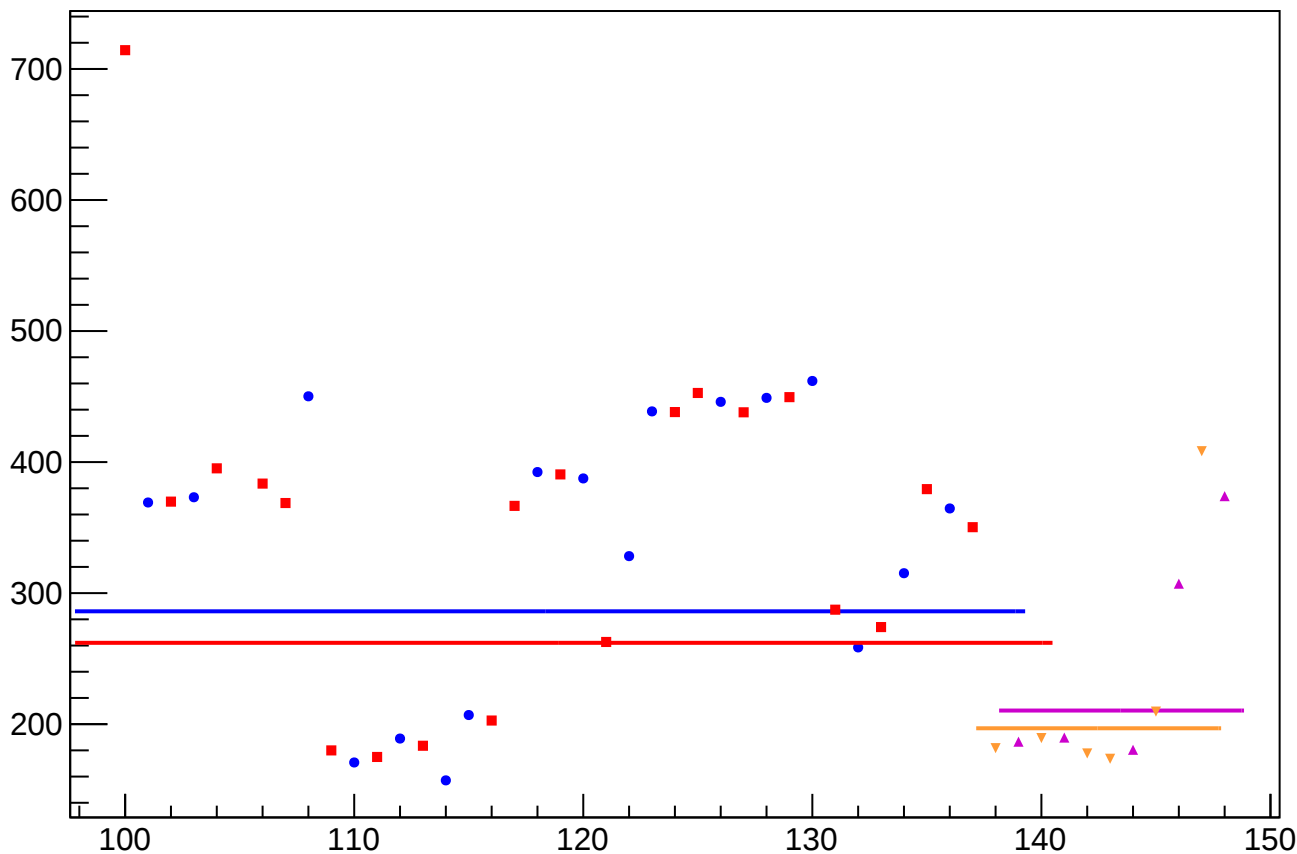
Left In: 130924.873 $\pm$ 0.111 χ^2 /NDF: 134411956.4/4

131507.112 $\pm$ 0.077 χ^2 /NDF: 452689771.5/22

131716.650 $\pm$ 0.055 χ^2 /NDF: 908593088

131924.618 $\pm$ 0.077 χ^2 /NDF: 441292033.2/24

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 286.122 $\pm$ 0.084 χ^2/NDF : 1525266.4/16

Left Out: 196.858 $\pm$ 0.072 χ^2/NDF : 469111.9/5

Right Out: 262.073 $\pm$ 0.076 χ^2/NDF : 1630239.5/19

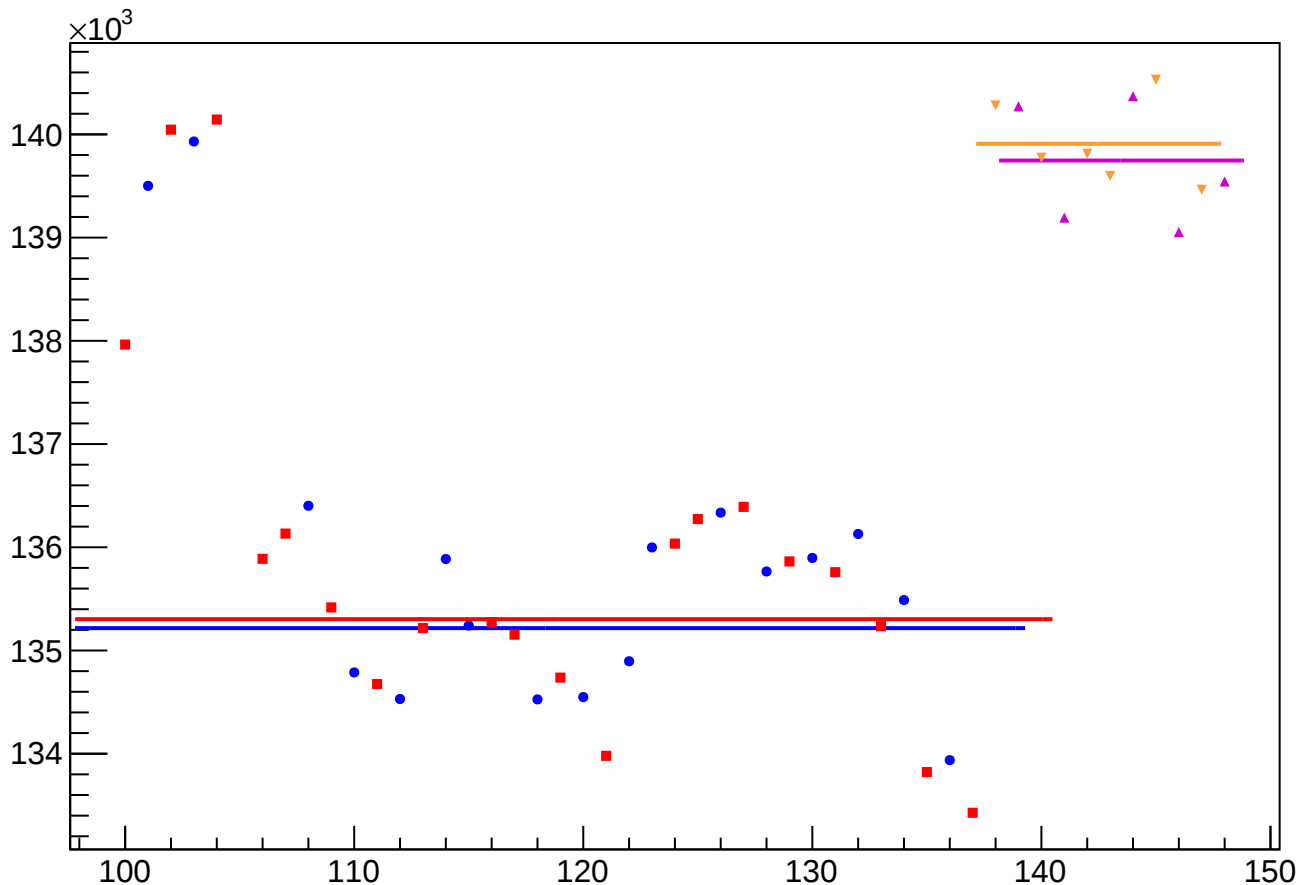
Left In: 210.394 $\pm$ 0.079 χ^2/NDF : 538671.0/4

234.365 $\pm$ 0.055 χ^2/NDF : 2642833.1/22

235.821 $\pm$ 0.039 χ^2/NDF : 5037501.2/47

237.266 $\pm$ 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: 139908.863 $\pm$ 0.093 χ^2 /NDF: 14412597.8/5

Right Out: 135303.736 $\pm$ 0.051 χ^2 /NDF: 357717935.5/19

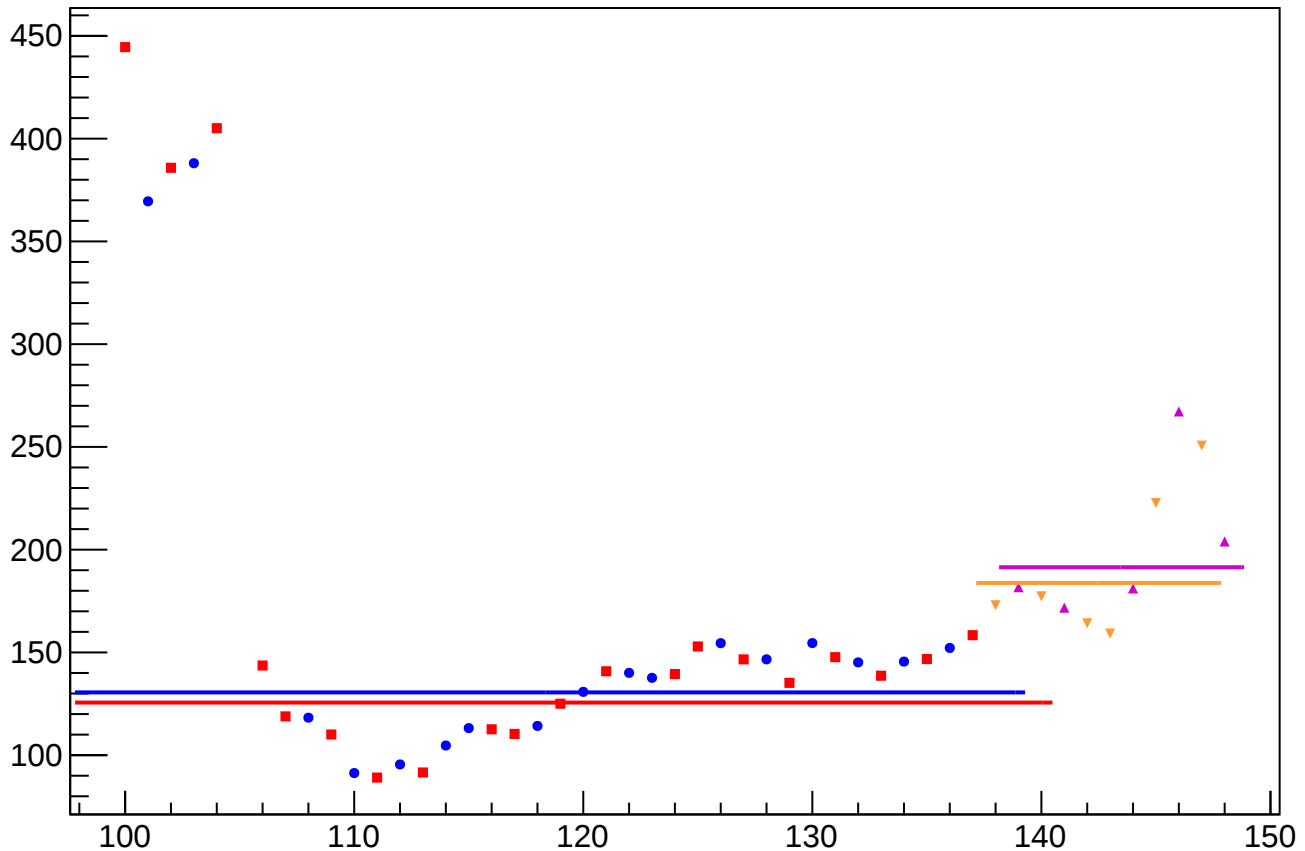
Left In: 139746.898 $\pm$ 0.098 χ^2 /NDF: 30028680.2/4

136415.016 $\pm$ 0.047 χ^2 /NDF: 2289027637.5/22

136326.084 $\pm$ 0.033 χ^2 /NDF: 429504135

136243.487 $\pm$ 0.045 χ^2 /NDF: 1999079774.6/24

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 130.552 +/- 0.038 χ^2/NDF : 1373104.9/16

Left Out: 183.823 +/- 0.066 χ^2/NDF : 200588.6/5

Right Out: 125.603 +/- 0.036 χ^2/NDF : 1441677.4/19

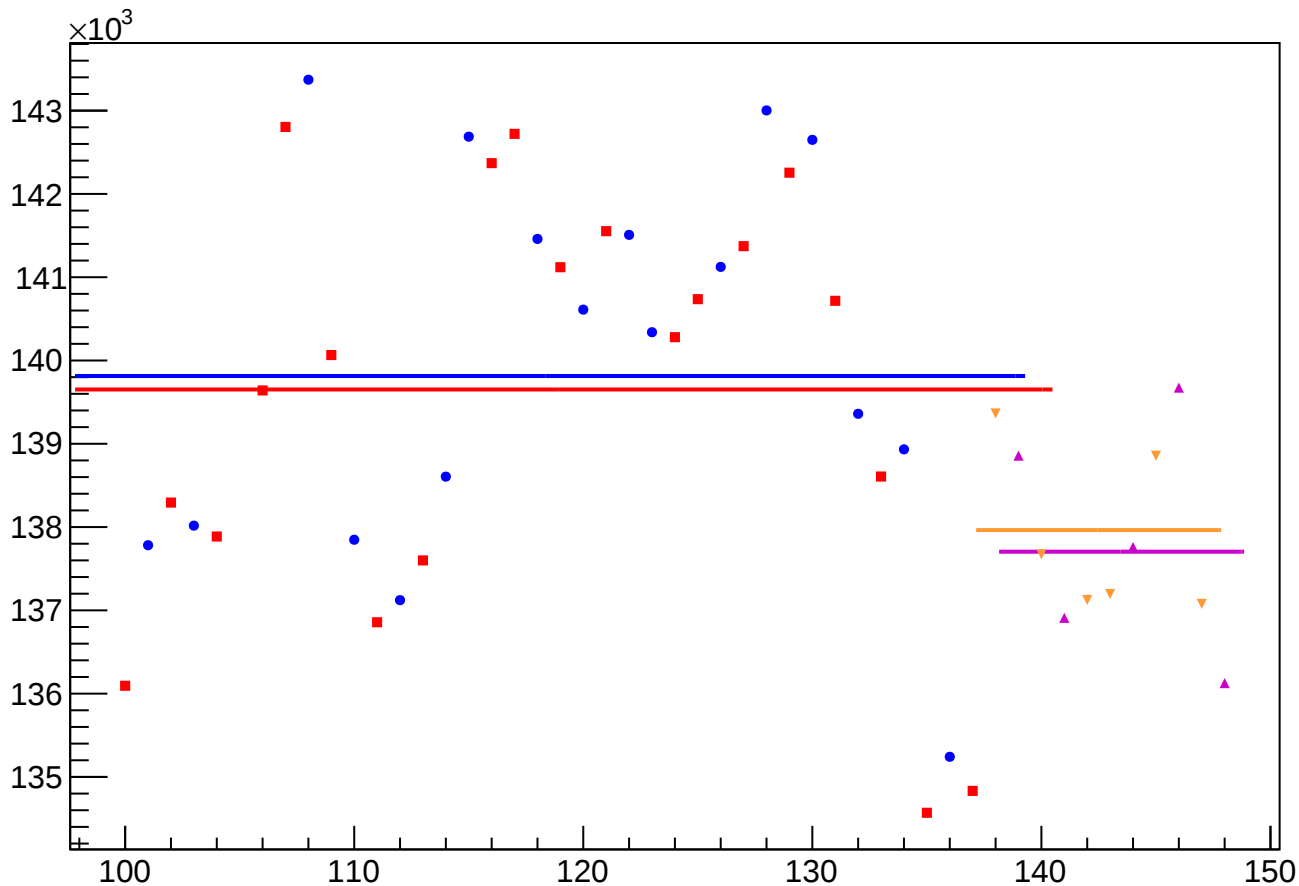
Left In: 191.446 +/- 0.069 χ^2/NDF : 156314.2/4

144.157 +/- 0.033 χ^2/NDF : 2064315.2/22

141.758 +/- 0.023 χ^2/NDF : 4380088.5/47

139.529 +/- 0.032 χ^2/NDF : 2305678.5/24

yield_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 139813.664 ± 0.062 χ^2/NDF : 1689865533.6/16

Left Out: 137963.755 ± 0.091 χ^2/NDF : 100285042.1/5

Right Out: 139651.821 ± 0.059 χ^2/NDF : 1531019137.4/19

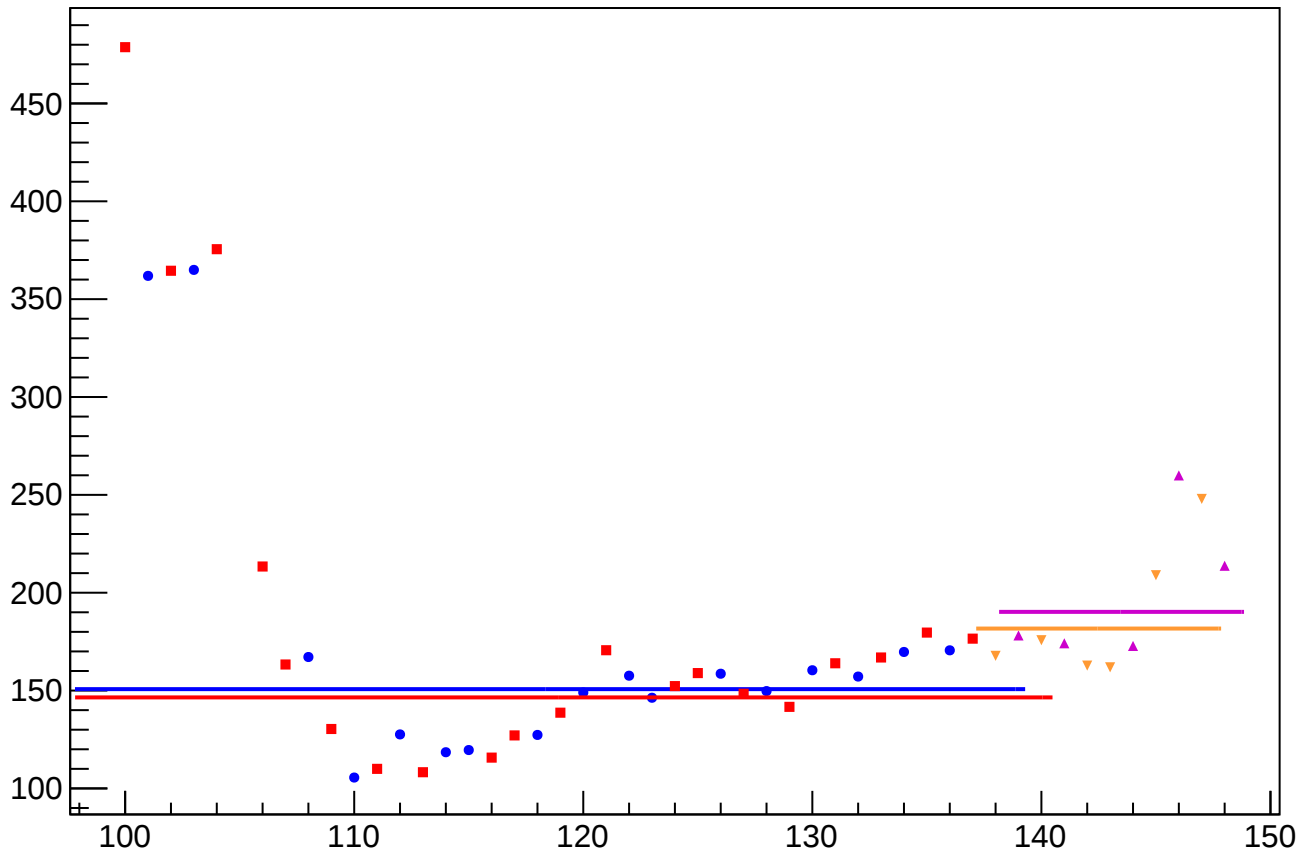
Left In: 137704.361 ± 0.098 χ^2/NDF : 131695093.4/4

139231.940 ± 0.051 χ^2/NDF : 2070804948.8/22

139181.780 ± 0.036 χ^2/NDF : 402789723

139133.450 ± 0.050 χ^2/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: 181.691+/-0.065 χ^2/NDF : 176495.7/5

Right Out: 146.506+/-0.042 χ^2/NDF : 1205131.2/19

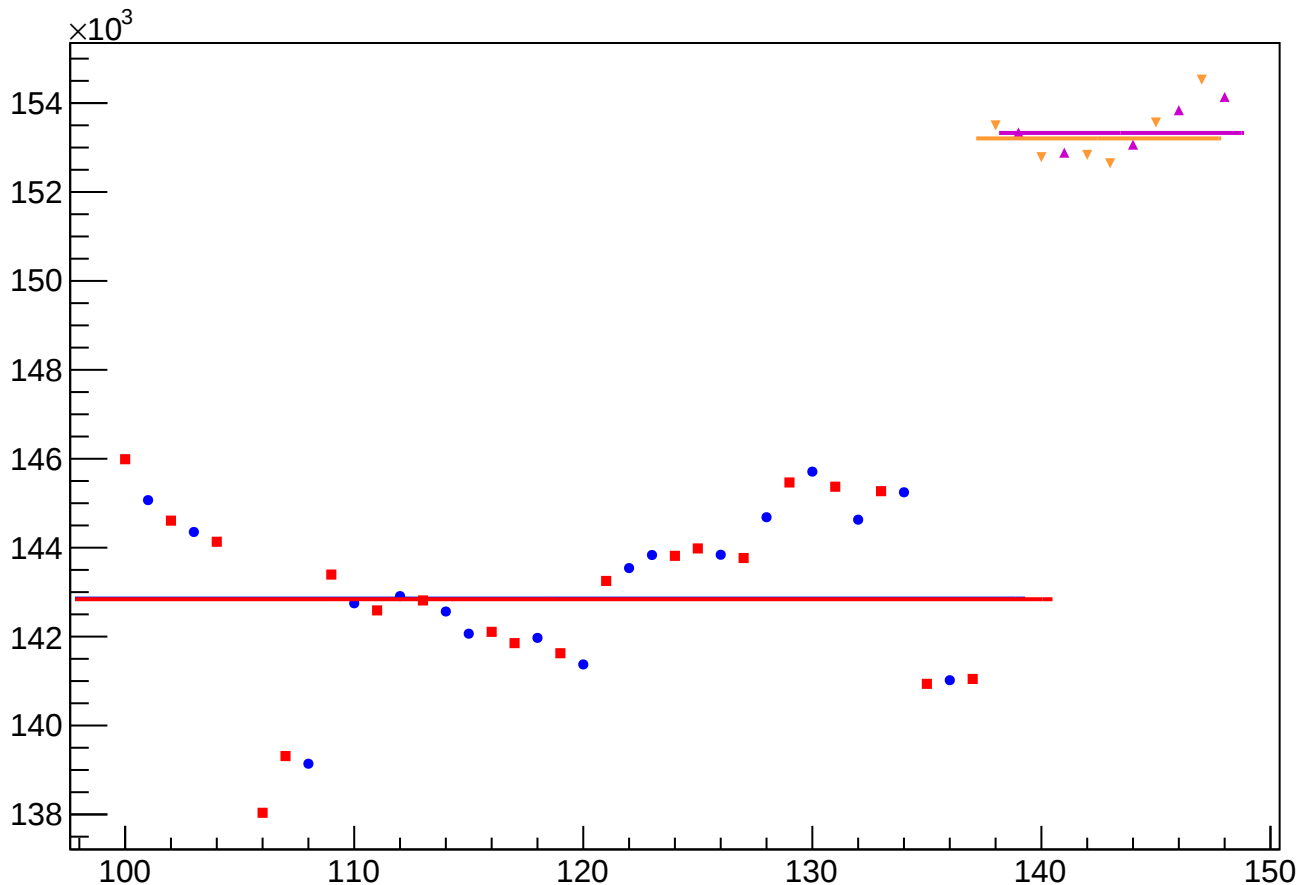
Left In: 190.216+/-0.069 χ^2/NDF : 166270.9/4

160.468+/-0.036 χ^2/NDF : 1383764.2/22

159.283+/-0.025 χ^2/NDF : 3051961.5/47

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: 153205.476 $\pm$ 0.093 χ^2 /NDF: 39105679.5/5

Right Out: 142840.509 $\pm$ 0.060 χ^2 /NDF: 852484333.4/19

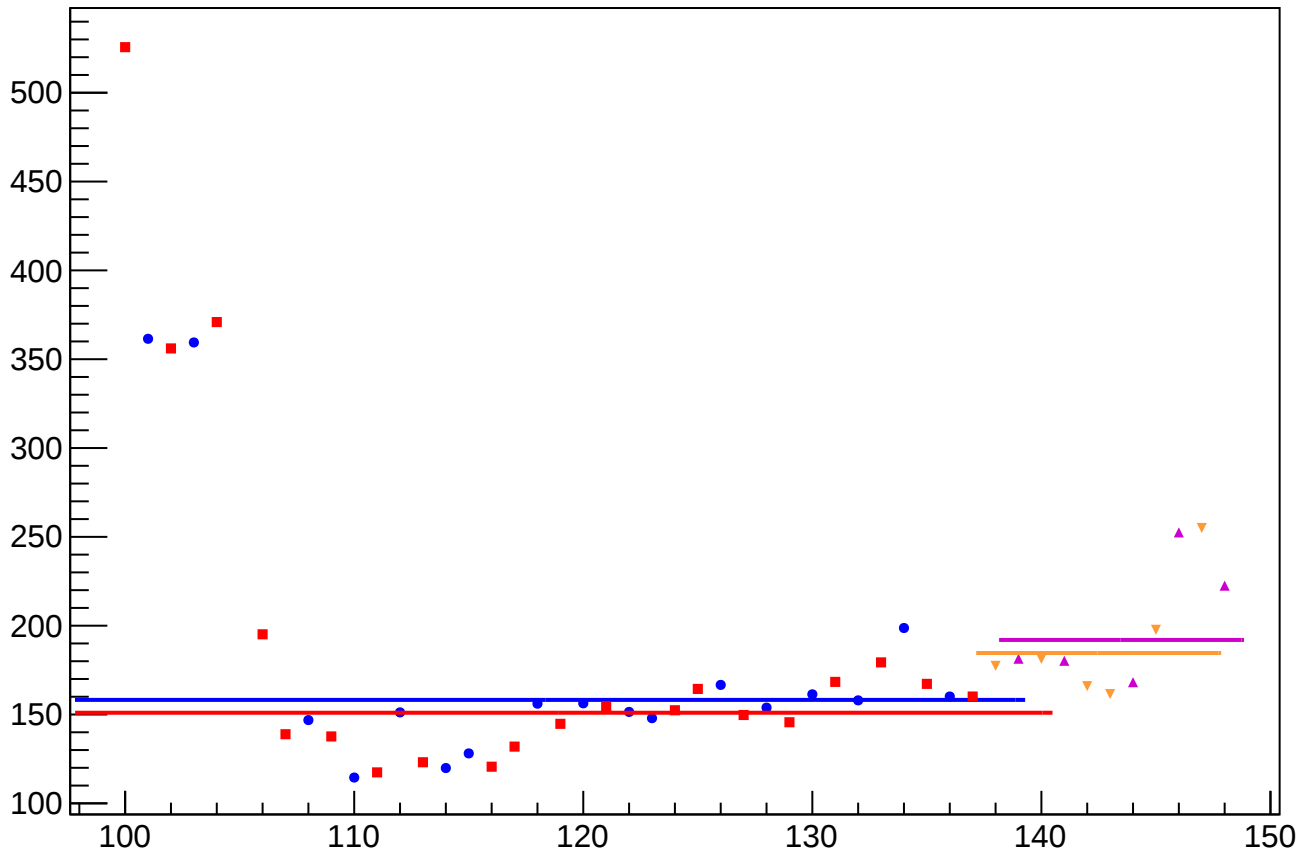
Left In: 153328.668 $\pm$ 0.098 χ^2 /NDF: 20650843.2/4

146240.393 $\pm$ 0.053 χ^2 /NDF: 9162276752.0/22

145963.896 $\pm$ 0.037 χ^2 /NDF: 183999904

145705.660 $\pm$ 0.051 χ^2 /NDF: 9185161814.0/24

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 158.233 $\pm$ 0.046 χ^2/NDF : 883513.4/16

Left Out: 184.617 $\pm$ 0.066 χ^2/NDF : 164444.2/5

Right Out: 151.003 $\pm$ 0.043 χ^2/NDF : 1005104.9/19

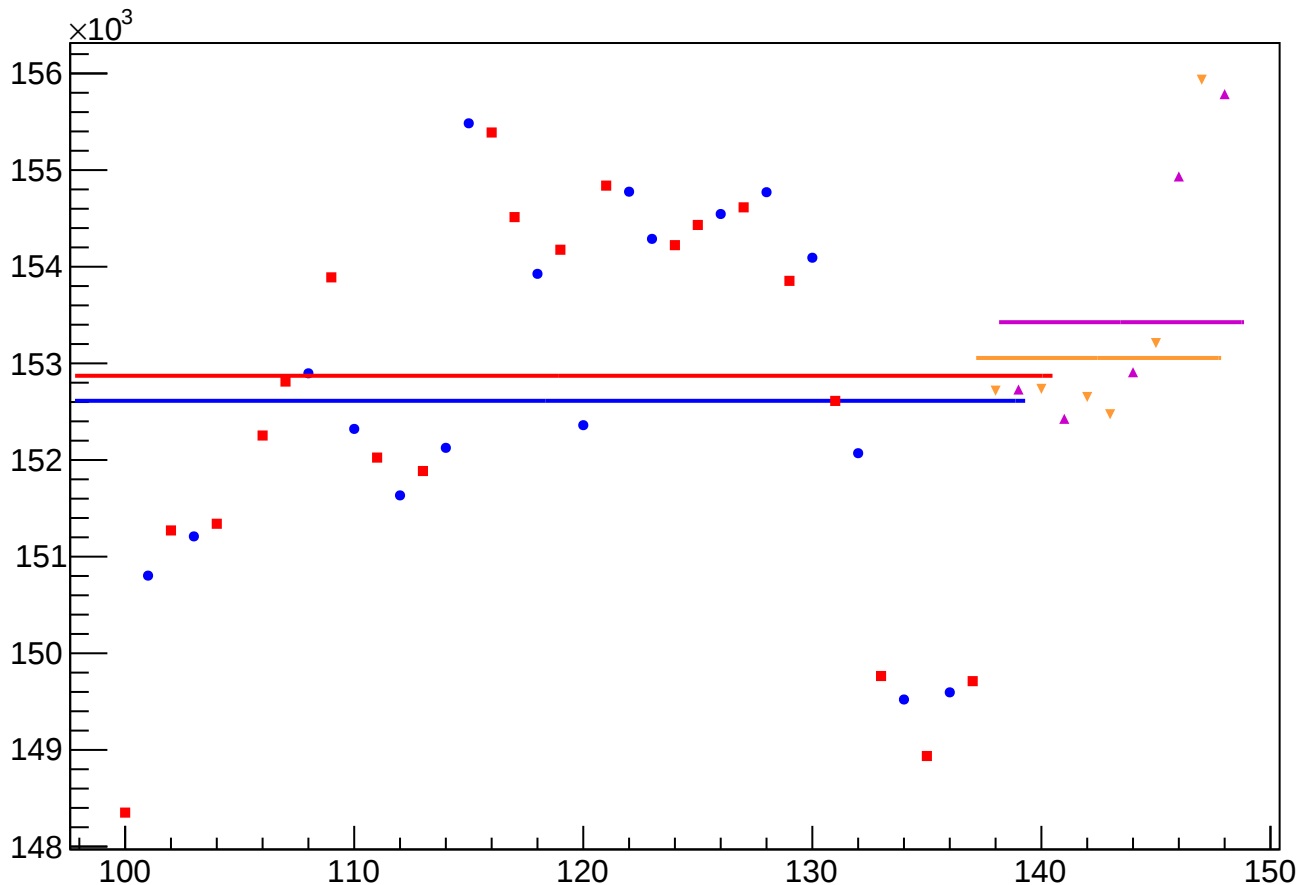
Left In: 191.980 $\pm$ 0.069 χ^2/NDF : 164730.0/4

166.864 $\pm$ 0.038 χ^2/NDF : 1156886.1/22

164.451 $\pm$ 0.026 χ^2/NDF : 2588479.8/47

162.197 $\pm$ 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: 153055.977 $\pm$ 0.092 χ^2 /NDF: 110856735.0/5

Right Out: 152871.618 $\pm$ 0.066 χ^2 /NDF: 720639345.6/19

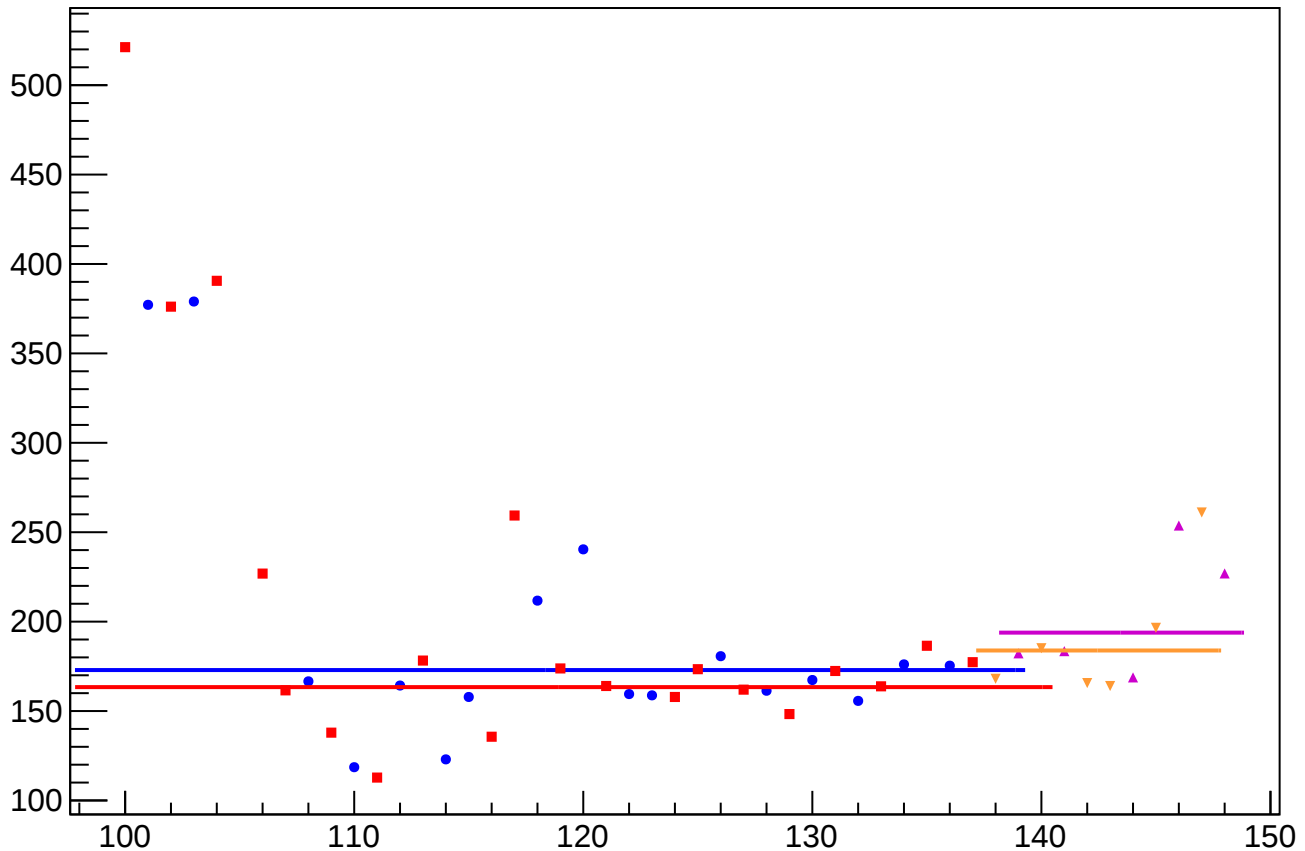
Left In: 153426.082 $\pm$ 0.099 χ^2 /NDF: 155108996.0/4

152780.997 $\pm$ 0.057 χ^2 /NDF: 746611278.3/22

152916.320 $\pm$ 0.040 χ^2 /NDF: 165505474

153042.942 $\pm$ 0.055 χ^2 /NDF: 897468457.7/24

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.921 ± 0.051 $\chi^2/\text{NDF}: 941954.0/16$

Left Out: 183.866 ± 0.065 $\chi^2/\text{NDF}: 184003.5/5$

Right Out: 163.382 ± 0.047 $\chi^2/\text{NDF}: 1044431.2/19$

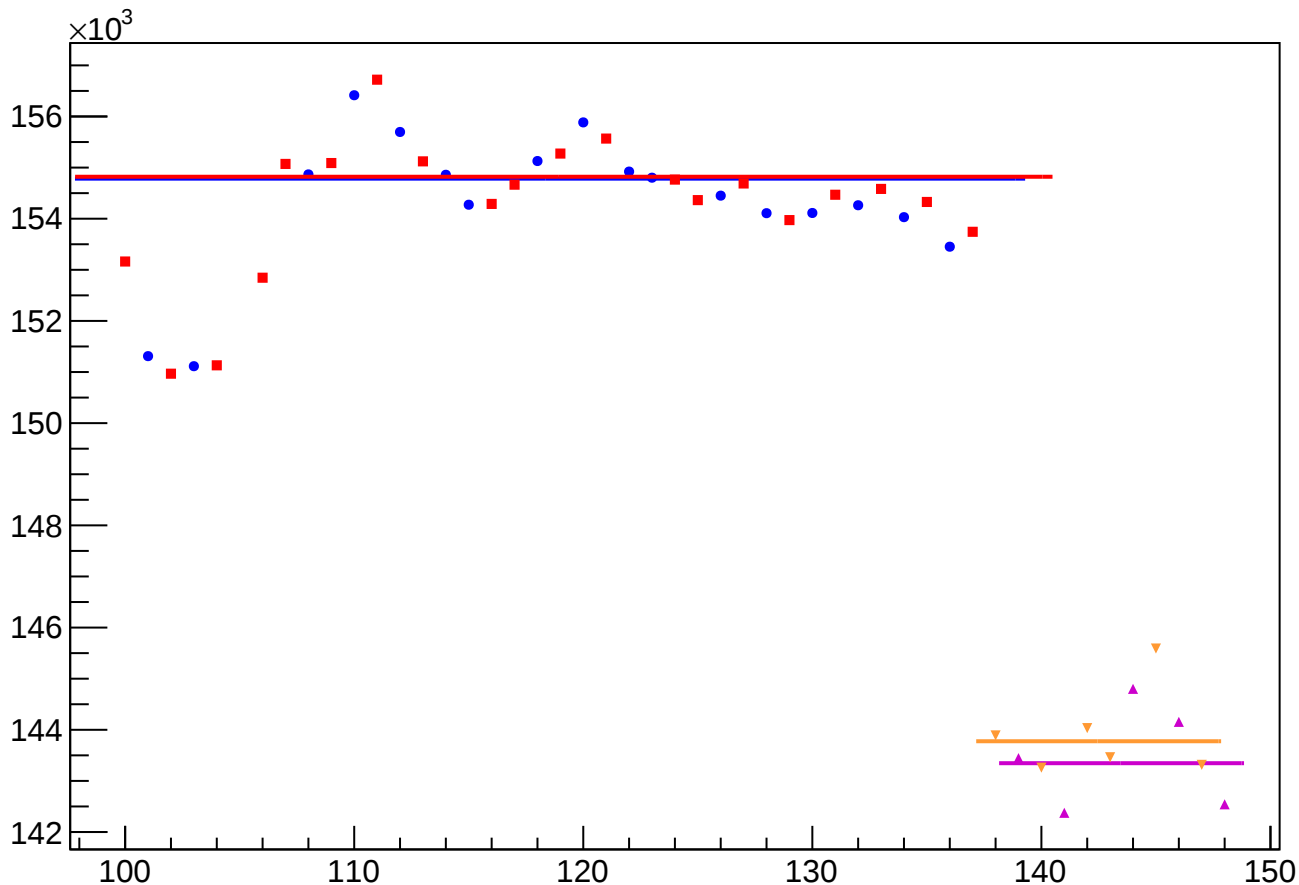
Left In: 193.848 ± 0.070 $\chi^2/\text{NDF}: 168965.9/4$

177.078 ± 0.040 $\chi^2/\text{NDF}: 1143430.5/22$

174.865 ± 0.028 $\chi^2/\text{NDF}: 2493849.1/47$

172.795 ± 0.039 $\chi^2/\text{NDF}: 1344551.3/24$

yield_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 154783.944 $\pm$ 0.065 χ^2 /NDF: 265581398.0/16

Left Out: 143776.008 $\pm$ 0.086 χ^2 /NDF: 69164454.5/5

Right Out: 154820.824 $\pm$ 0.061 χ^2 /NDF: 293904936.4/19

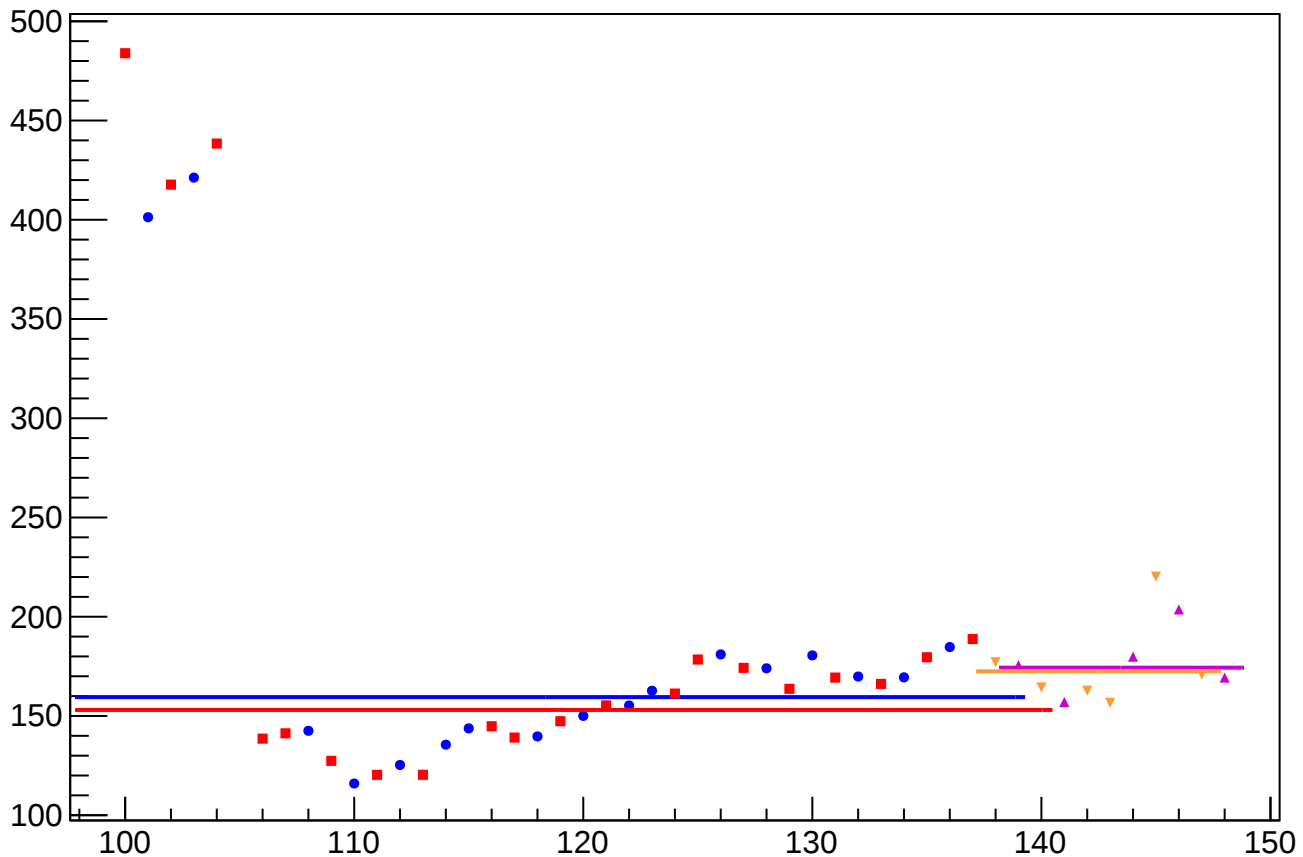
Left In: 143346.585 $\pm$ 0.088 χ^2 /NDF: 118270638.4/4

150730.856 $\pm$ 0.052 χ^2 /NDF: 10776225484.0/2

150936.685 $\pm$ 0.036 χ^2 /NDF: 227468036

151126.761 $\pm$ 0.050 χ^2 /NDF: 11940393578.4/2

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 159.504 $\pm$ 0.046 χ^2/NDF : 1131844.5/16

Left Out: 172.508 $\pm$ 0.061 χ^2/NDF : 93311.7/5

Right Out: 153.038 $\pm$ 0.043 χ^2/NDF : 1174616.4/19

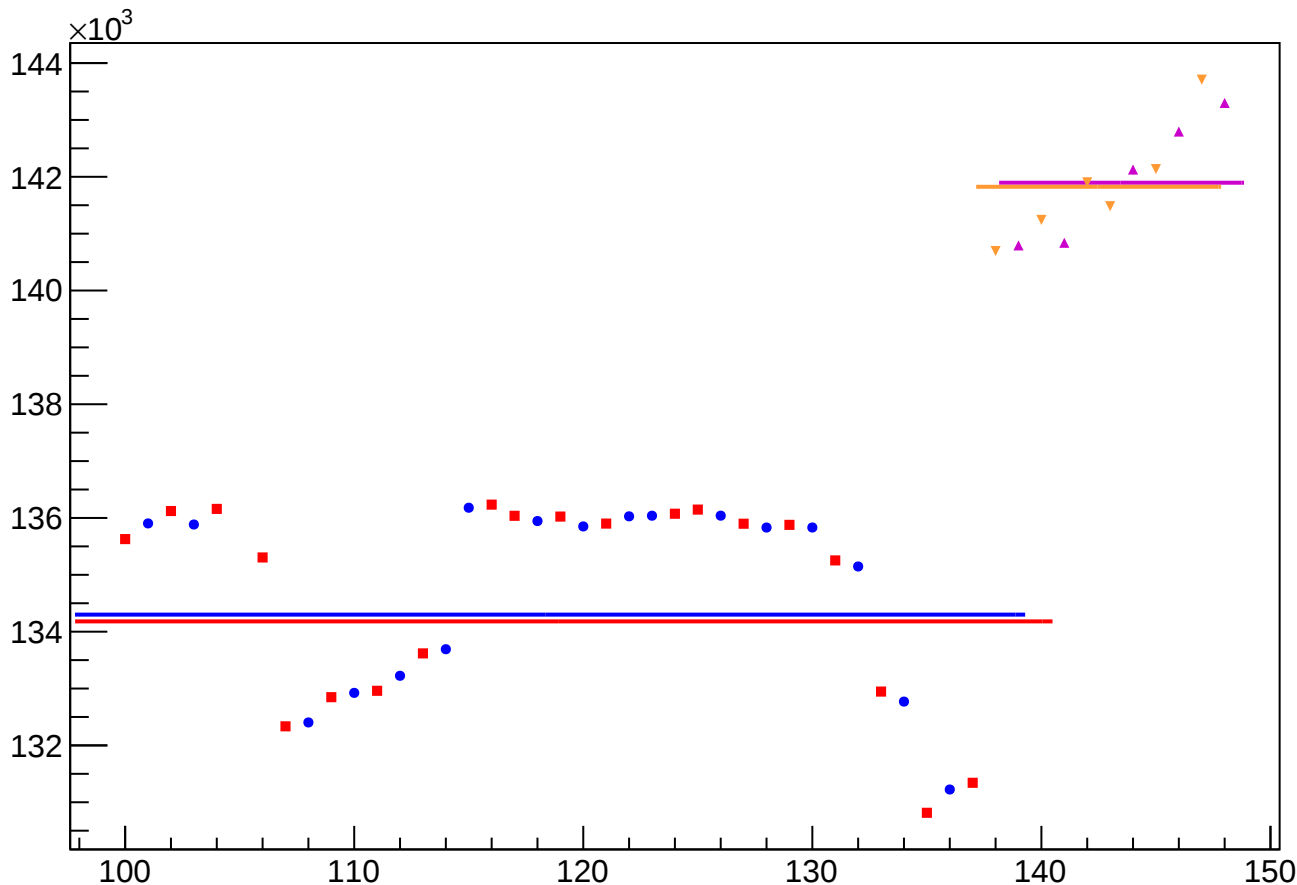
Left In: 174.334 $\pm$ 0.062 χ^2/NDF : 55966.6/4

164.292 $\pm$ 0.037 χ^2/NDF : 1254299.4/22

162.005 $\pm$ 0.025 χ^2/NDF : 2571754.7/47

159.894 $\pm$ 0.035 χ^2/NDF : 1310005.9/24

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134300.025 $\pm$ 0.050 χ^2 /NDF: 1149581803.2/16

Left Out: 141824.334 $\pm$ 0.084 χ^2 /NDF: 137736835.3/5

Right Out: 134180.888 $\pm$ 0.047 χ^2 /NDF: 1224202240.2/19

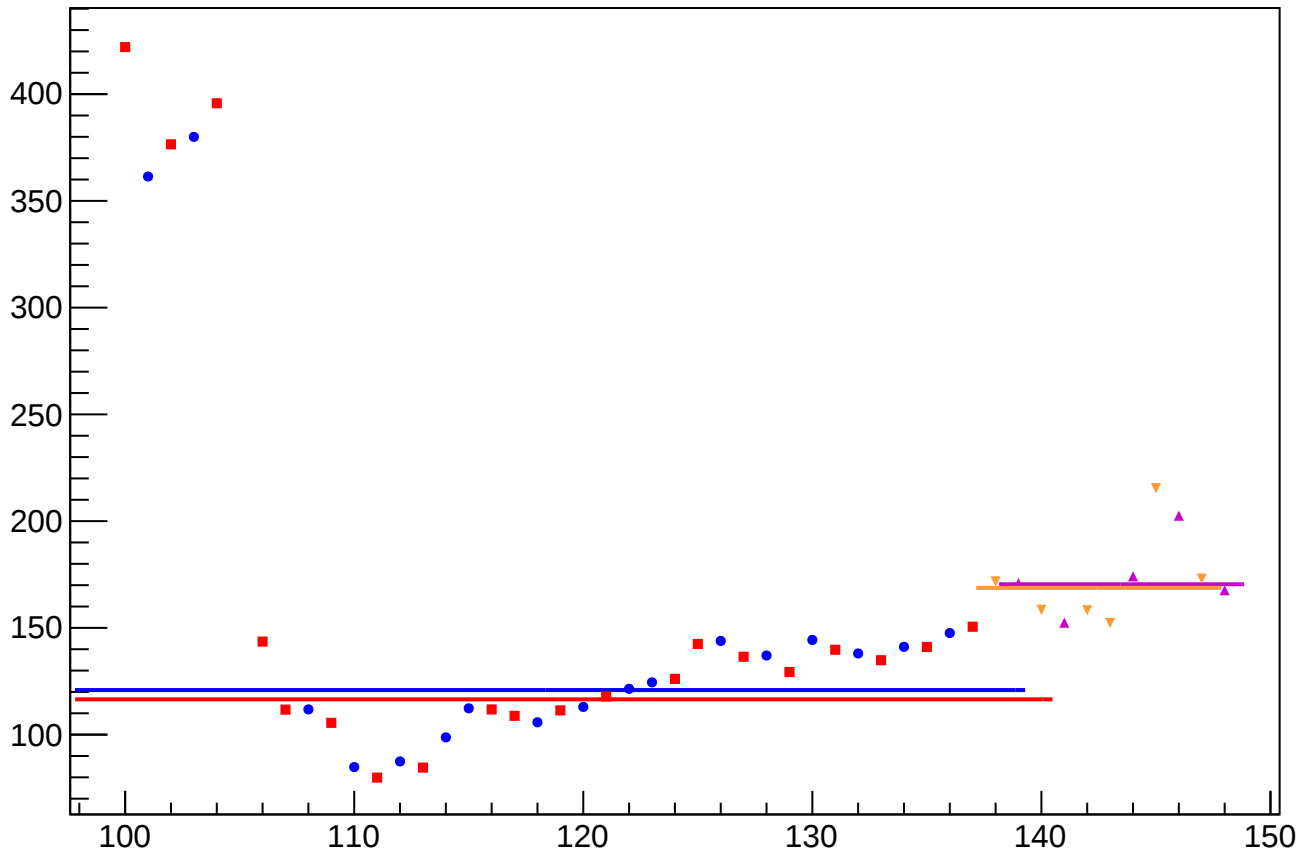
Left In: 141896.098 $\pm$ 0.086 χ^2 /NDF: 141202929.7/4

136291.985 $\pm$ 0.043 χ^2 /NDF: 7201339655.9/22

136119.191 $\pm$ 0.030 χ^2 /NDF: 147597112

135960.252 $\pm$ 0.041 χ^2 /NDF: 7527610065.1/24

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 120.872 $\pm$ 0.036 χ^2 /NDF: 1463728.4/16

Left Out: 168.744 $\pm$ 0.059 χ^2 /NDF: 98609.8/5

Right Out: 116.531 $\pm$ 0.033 χ^2 /NDF: 1541779.4/19

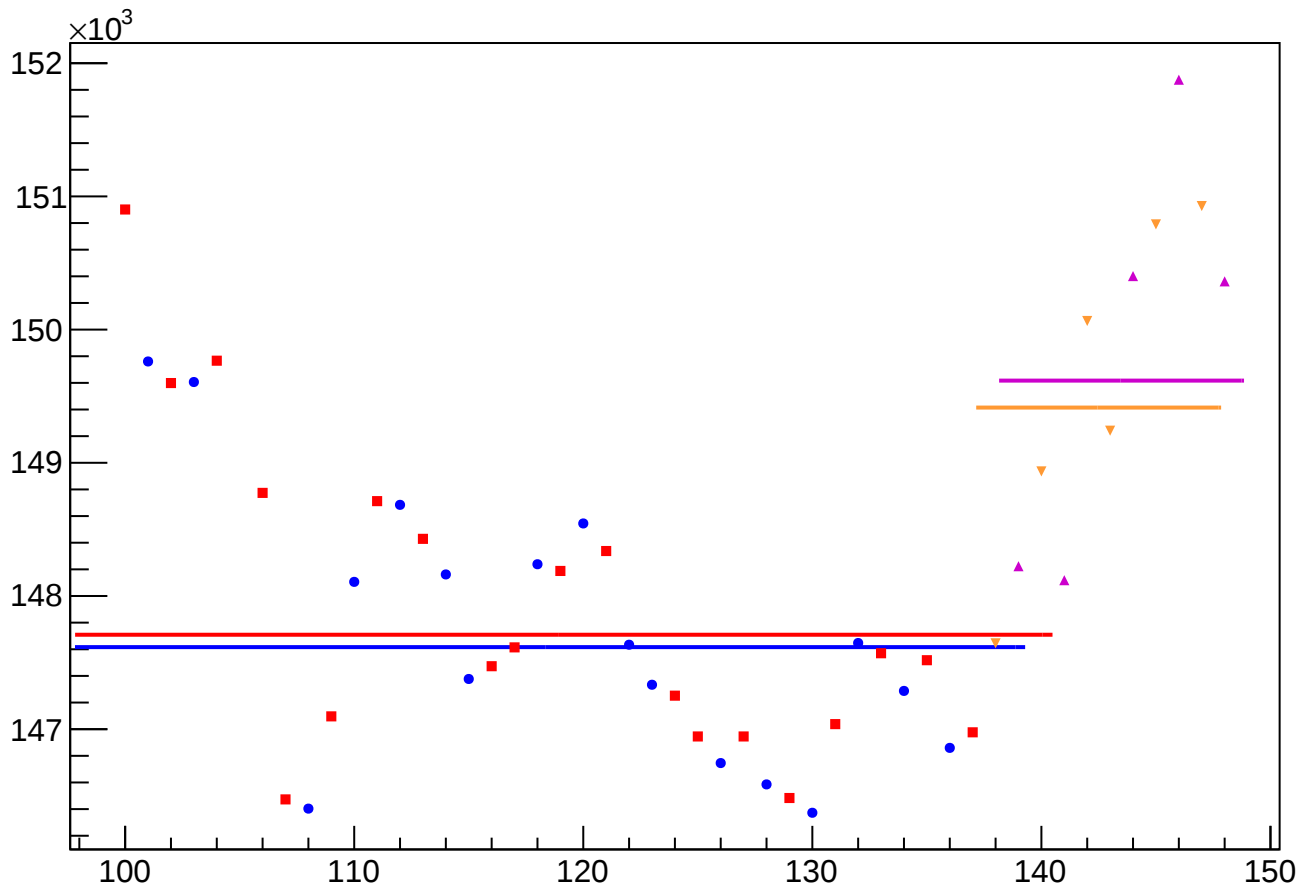
Left In: 170.428 $\pm$ 0.061 χ^2 /NDF: 63810.9/4

133.546 $\pm$ 0.031 χ^2 /NDF: 2041112.1/22

131.158 $\pm$ 0.021 χ^2 /NDF: 4259897.9/47

128.961 $\pm$ 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: 149414.637 $\pm$ 0.103 χ^2 /NDF: 120519459.8/5

Right Out: 147709.096 $\pm$ 0.058 χ^2 /NDF: 203924272.1/19

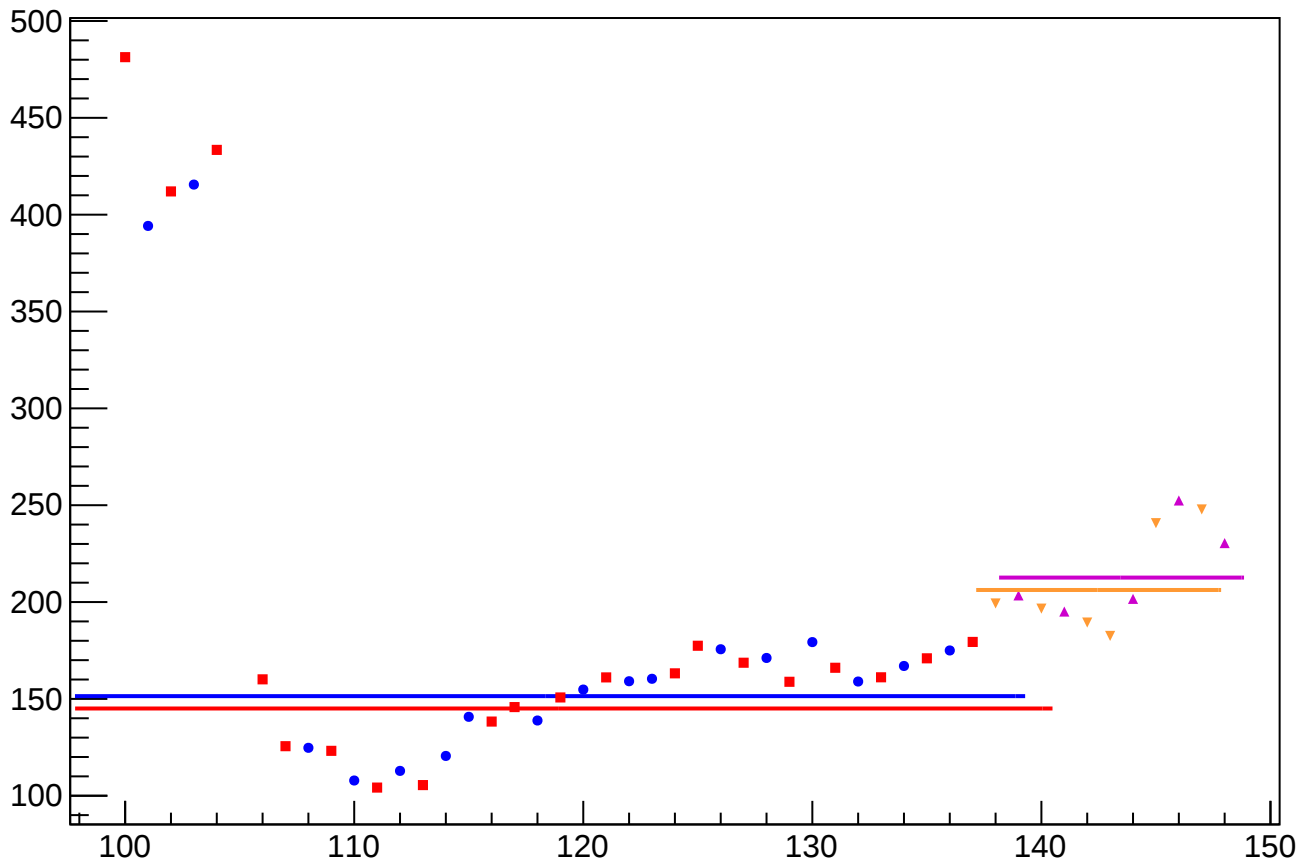
Left In: 149617.040 $\pm$ 0.107 χ^2 /NDF: 165827803.0/4

148103.253 $\pm$ 0.053 χ^2 /NDF: 544169707.0/22

148123.261 $\pm$ 0.037 χ^2 /NDF: 115837711

148141.630 $\pm$ 0.051 χ^2 /NDF: 613937680.0/24

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 151.424 +/- 0.044 χ^2/NDF : 1257843.0/16

Left Out: 206.233 +/- 0.072 χ^2/NDF : 109360.5/5

Right Out: 145.044 +/- 0.041 χ^2/NDF : 1375974.1/19

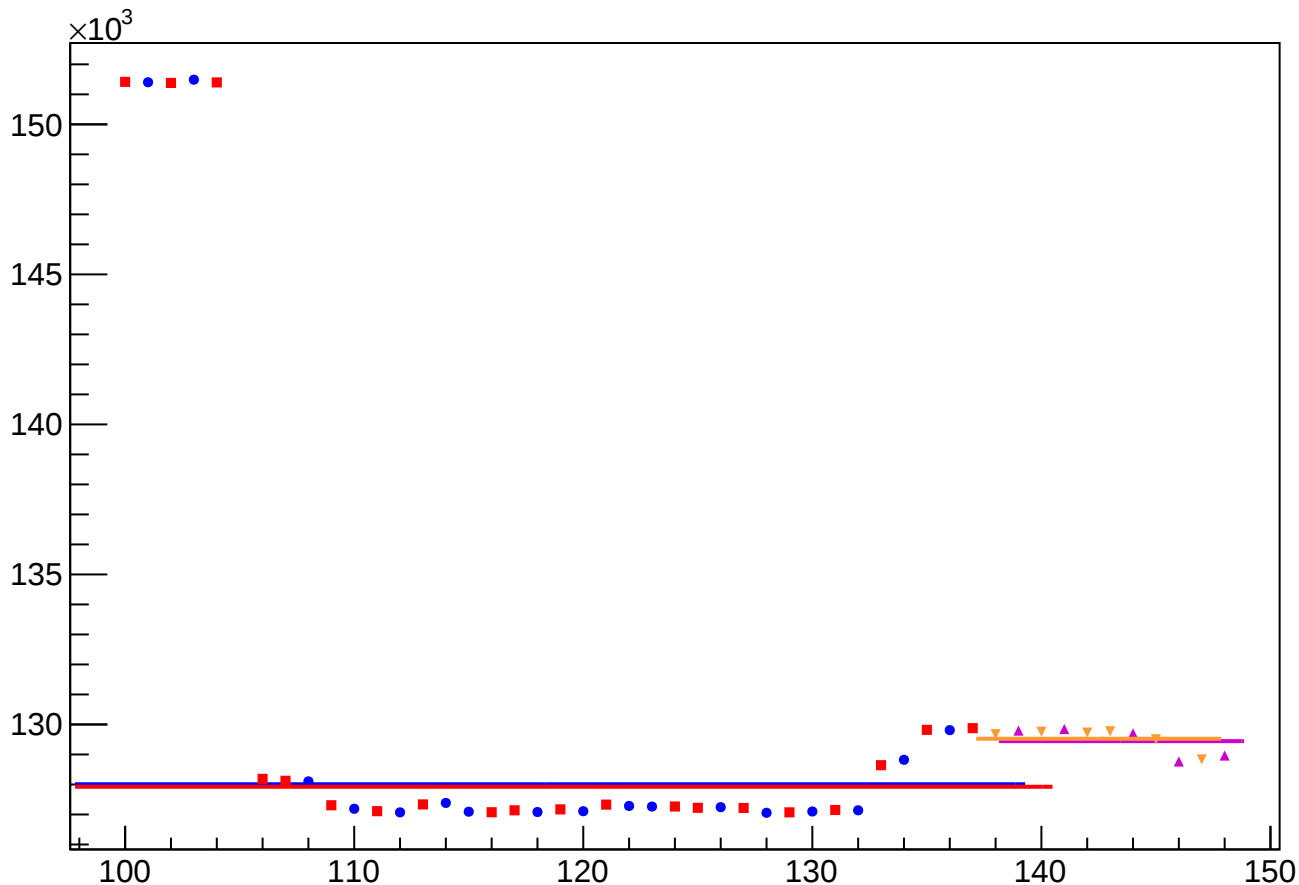
Left In: 212.630 +/- 0.076 χ^2/NDF : 70347.2/4

166.269 +/- 0.038 χ^2/NDF : 1784000.2/22

163.191 +/- 0.026 χ^2/NDF : 3855899.8/47

160.366 +/- 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: 129524.153 $\pm$ 0.084 χ^2 /NDF: 18423554.4/5

Right Out: 127923.940 $\pm$ 0.050 χ^2 /NDF: 3770107280.1/19

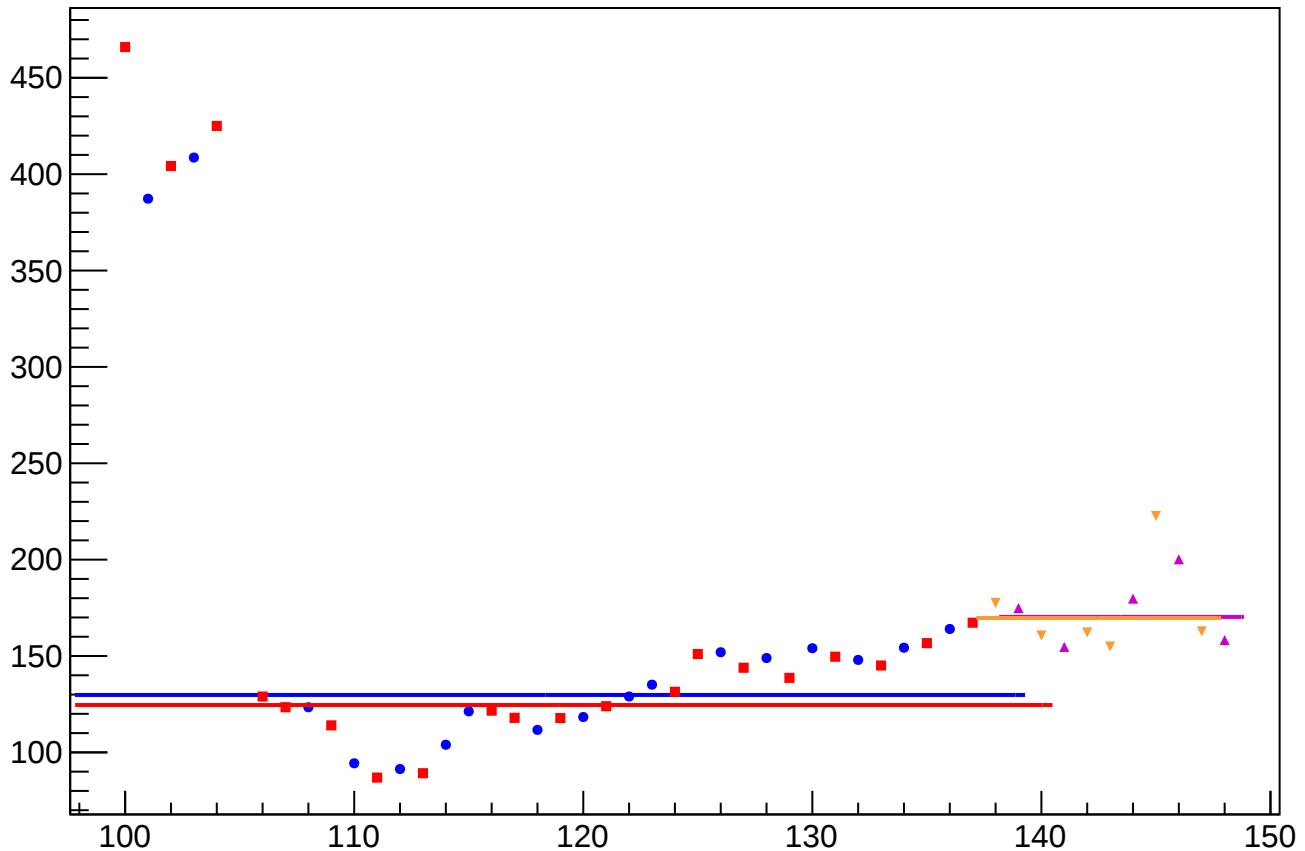
Left In: 129444.328 $\pm$ 0.086 χ^2 /NDF: 26497979.1/4

128449.727 $\pm$ 0.046 χ^2 /NDF: 4567258903.2/22

128376.188 $\pm$ 0.031 χ^2 /NDF: 860164318

128309.573 $\pm$ 0.043 χ^2 /NDF: 4029417212.6/24

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.796 $\pm$ 0.038 χ^2 /NDF: 1485294.2/16

Left Out: 169.712 $\pm$ 0.060 χ^2 /NDF:110789.0/5

Right Out: 124.572 $\pm$ 0.035 χ^2 /NDF: 1532105.0/19

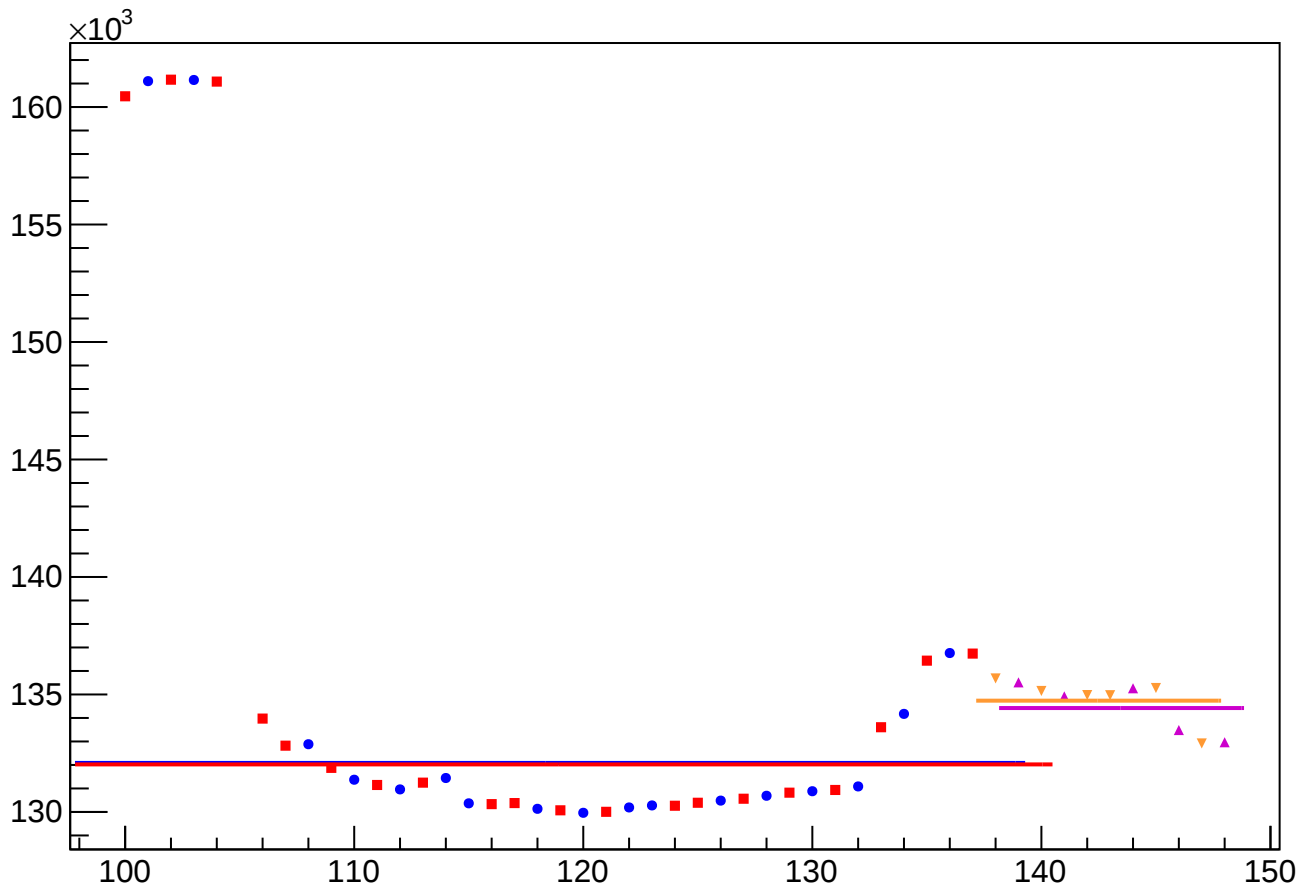
Left In: 170.287 $\pm$ 0.061 χ^2 /NDF:66684.8/4

141.437 $\pm$ 0.032 χ^2 /NDF: 1913337.4/22

138.672 $\pm$ 0.022 χ^2 /NDF: 3947135.9/47

136.167 $\pm$ 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: 134736.284 $\pm$ 0.088 χ^2 /NDF: 118633341.7/5

Right Out: 132023.609 $\pm$ 0.052 χ^2 /NDF: 5890492527.2/19

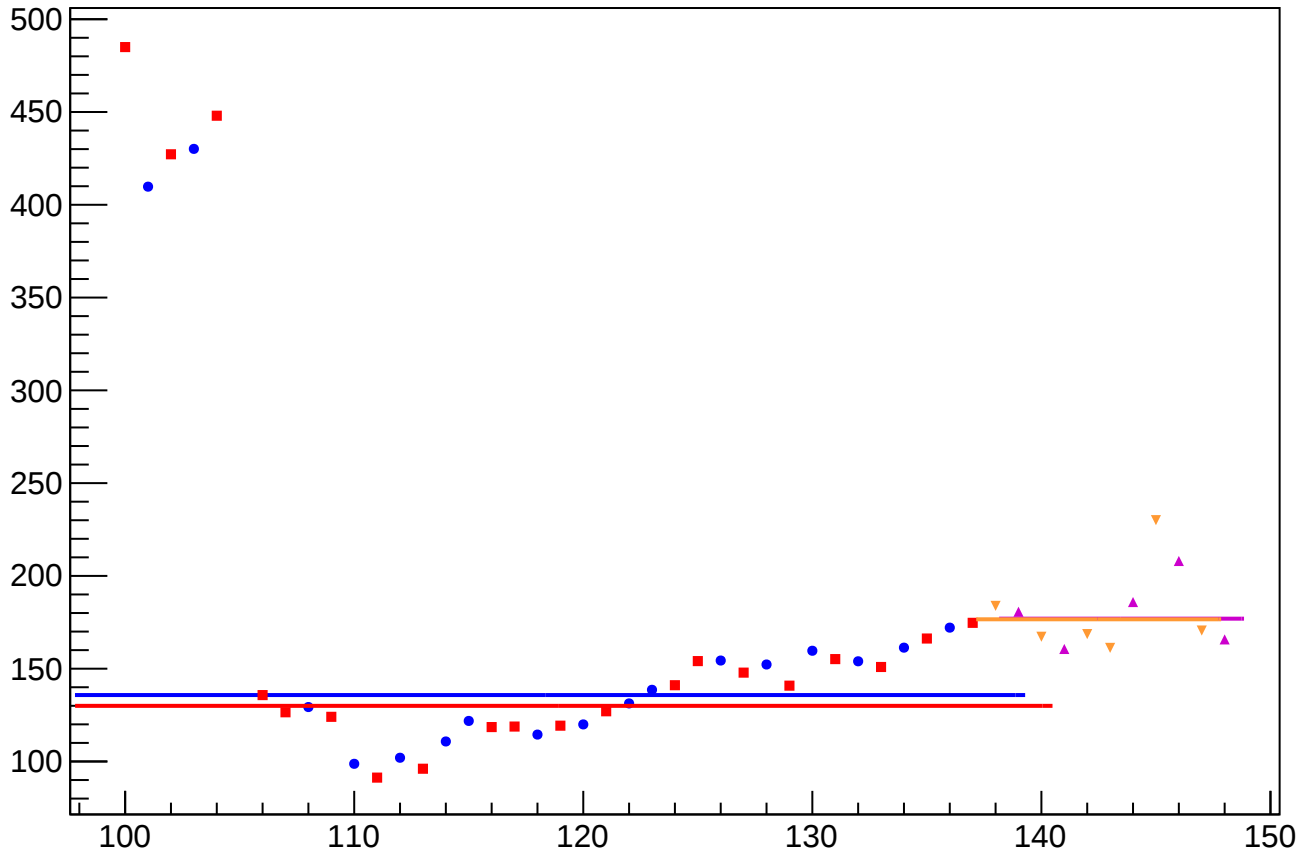
Left In: 134422.294 $\pm$ 0.089 χ^2 /NDF: 127856430.9/4

132863.971 $\pm$ 0.048 χ^2 /NDF: 7496326659.3/22

132743.535 $\pm$ 0.033 χ^2 /NDF: 140626777

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: 176.618 +/- 0.062 χ^2/NDF : 105465.8/5

Right Out: 129.975 +/- 0.037 χ^2/NDF : 1504768.0/19

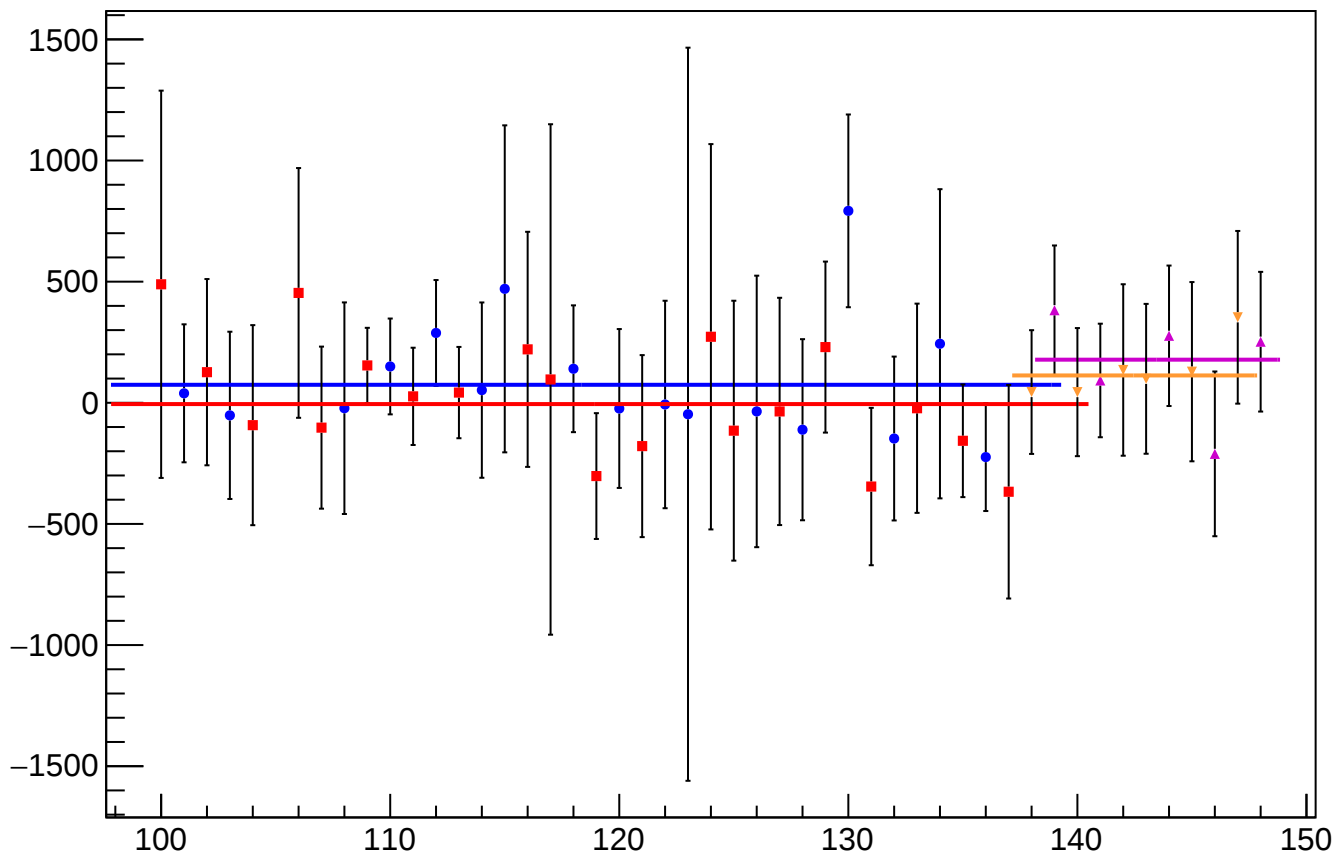
Left In: 176.957 +/- 0.063 χ^2/NDF : 63964.9/4

147.770 +/- 0.034 χ^2/NDF : 1853343.8/22

144.710 +/- 0.023 χ^2/NDF : 3848952.1/47

141.946 +/- 0.032 χ^2/NDF : 1979816.3/24

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 74.294 $\pm$ 79.018 χ^2/NDF : 7.7/16

Left Out: 112.910 $\pm$ 125.726 χ^2/NDF : 0.6/5

Right Out: -5.290 $\pm$ 69.914 χ^2/NDF : 7.1/19

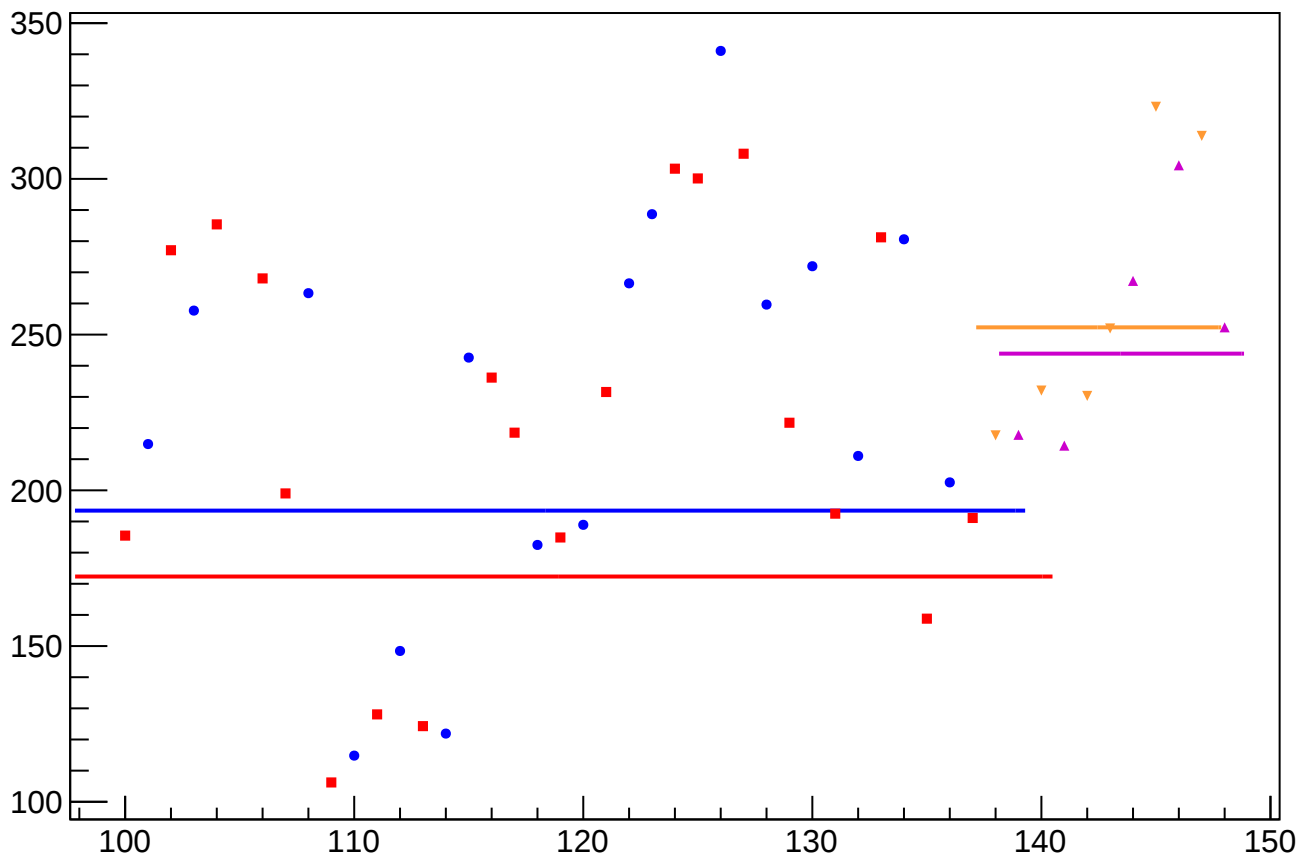
Left In: 177.971 $\pm$ 124.234 χ^2/NDF : 2.2/4

85.229 $\pm$ 66.902 χ^2/NDF : 8.4/22

59.843 $\pm$ 45.047 χ^2/NDF : 19.6/47

38.789 $\pm$ 60.929 χ^2/NDF : 11.0/24

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.488 +/- 0.056 χ^2/NDF : 1017195.7/16

Left Out: 252.328 +/- 0.089 χ^2/NDF : 189237.3/5

Right Out: 172.327 +/- 0.049 χ^2/NDF : 1583701.4/19

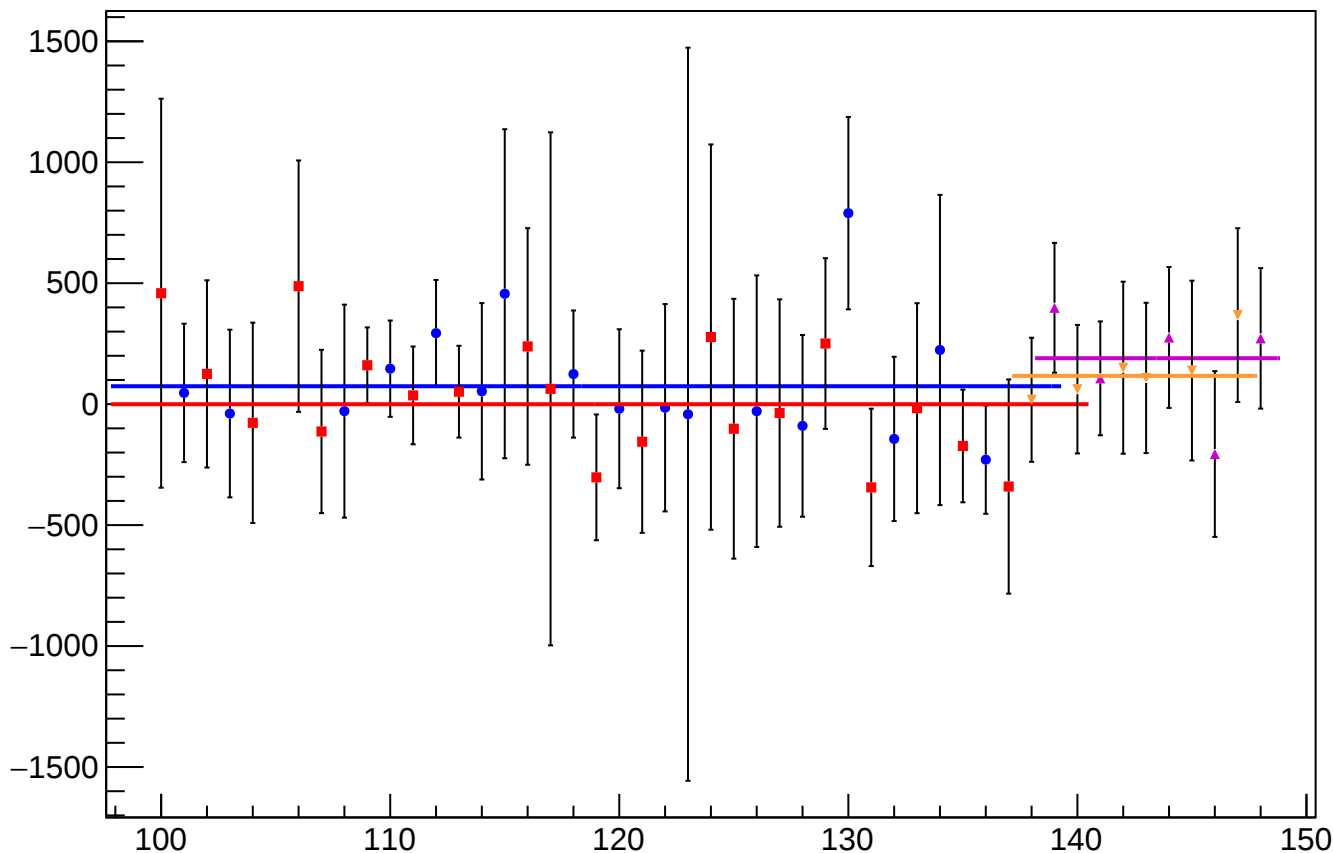
Left In: 243.887 +/- 0.088 χ^2/NDF : 128760.3/4

210.149 +/- 0.047 χ^2/NDF : 1520446.4/22

198.883 +/- 0.032 χ^2/NDF : 3840633.2/47

189.539 +/- 0.043 χ^2/NDF : 2216434.4/24

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 74.098 $\pm$ 79.404 χ^2 /NDF: 7.6/16

Left Out: 116.967 $\pm$ 126.350 χ^2 /NDF: 0.7/5

Right Out: -0.223 $\pm$ 70.282 χ^2 /NDF: 7.3/19

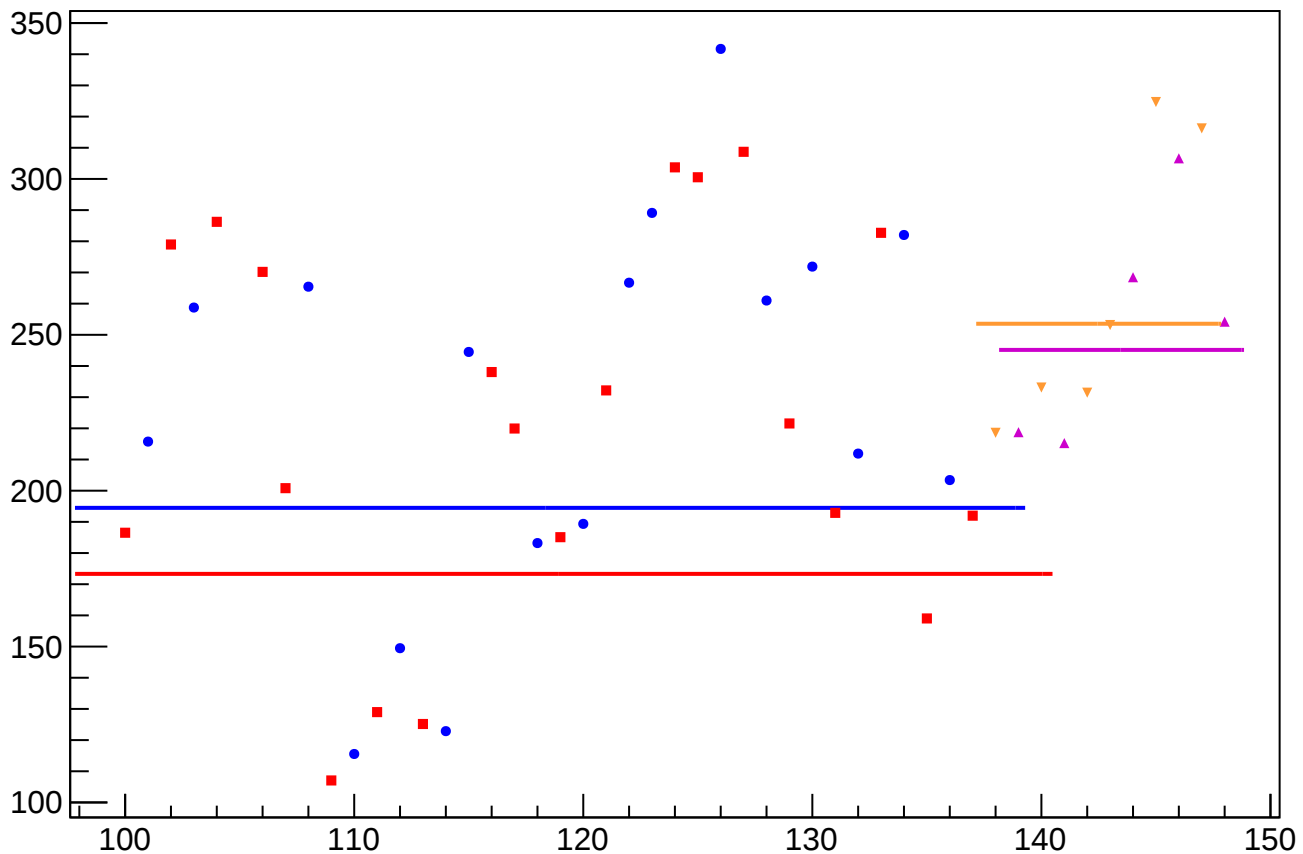
Left In: 189.949 $\pm$ 124.902 χ^2 /NDF: 2.2/4

86.235 $\pm$ 67.230 χ^2 /NDF: 8.3/22

63.982 $\pm$ 45.277 χ^2 /NDF: 19.8/47

45.510 $\pm$ 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: 253.550 $\pm$ 0.089 χ^2/NDF : 190943.3/5

Right Out: 173.317 $\pm$ 0.050 χ^2/NDF : 1571258.4/19

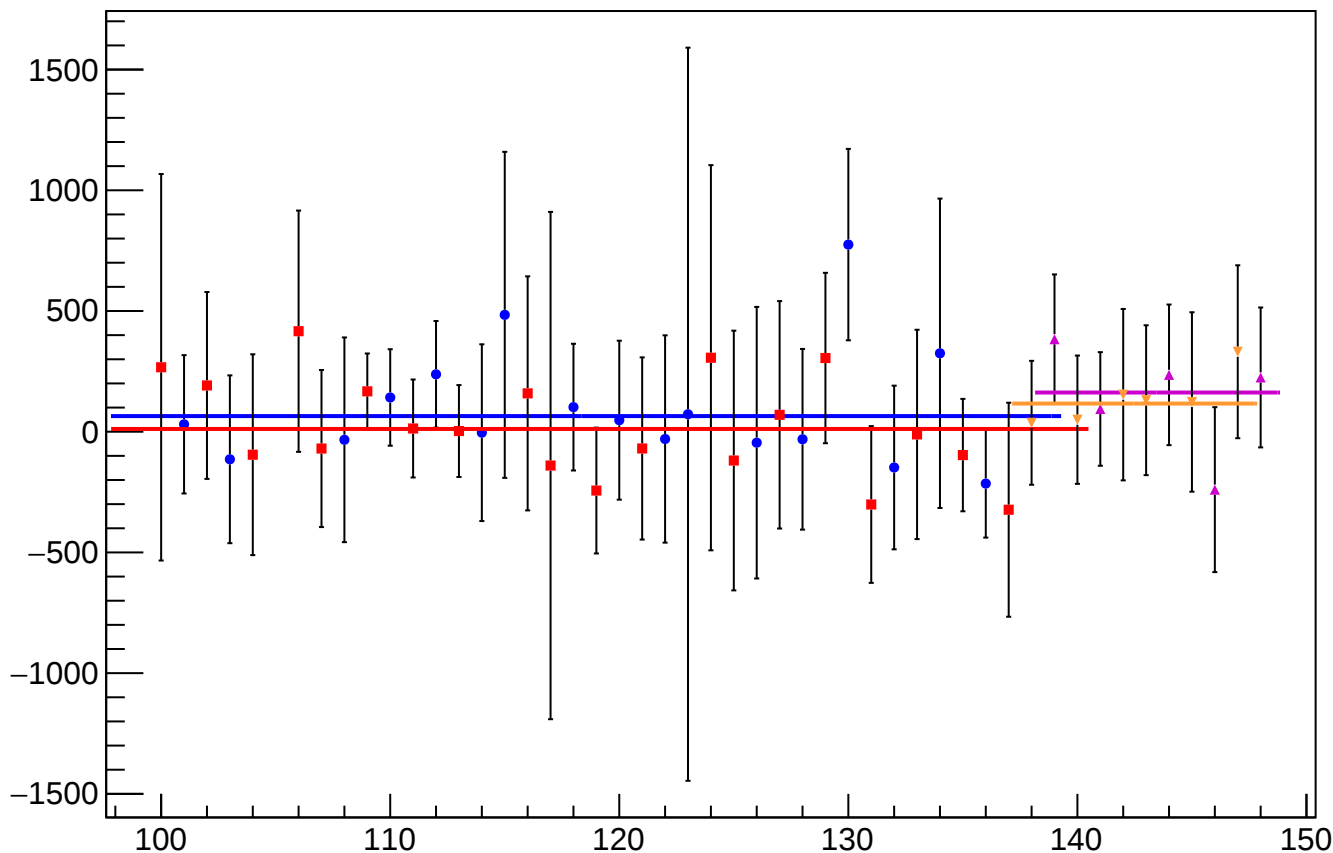
Left In: 245.160 $\pm$ 0.088 χ^2/NDF : 130725.8/4

211.216 $\pm$ 0.048 χ^2/NDF : 1512654.5/22

199.947 $\pm$ 0.032 χ^2/NDF : 3820039.9/47

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 $\chi^2/\text{NDF}: 7.0/16$

Left Out: 116.627 ± 126.287 $\chi^2/\text{NDF}: 0.5/5$

Right Out: 11.414 ± 70.204 $\chi^2/\text{NDF}: 5.8/19$

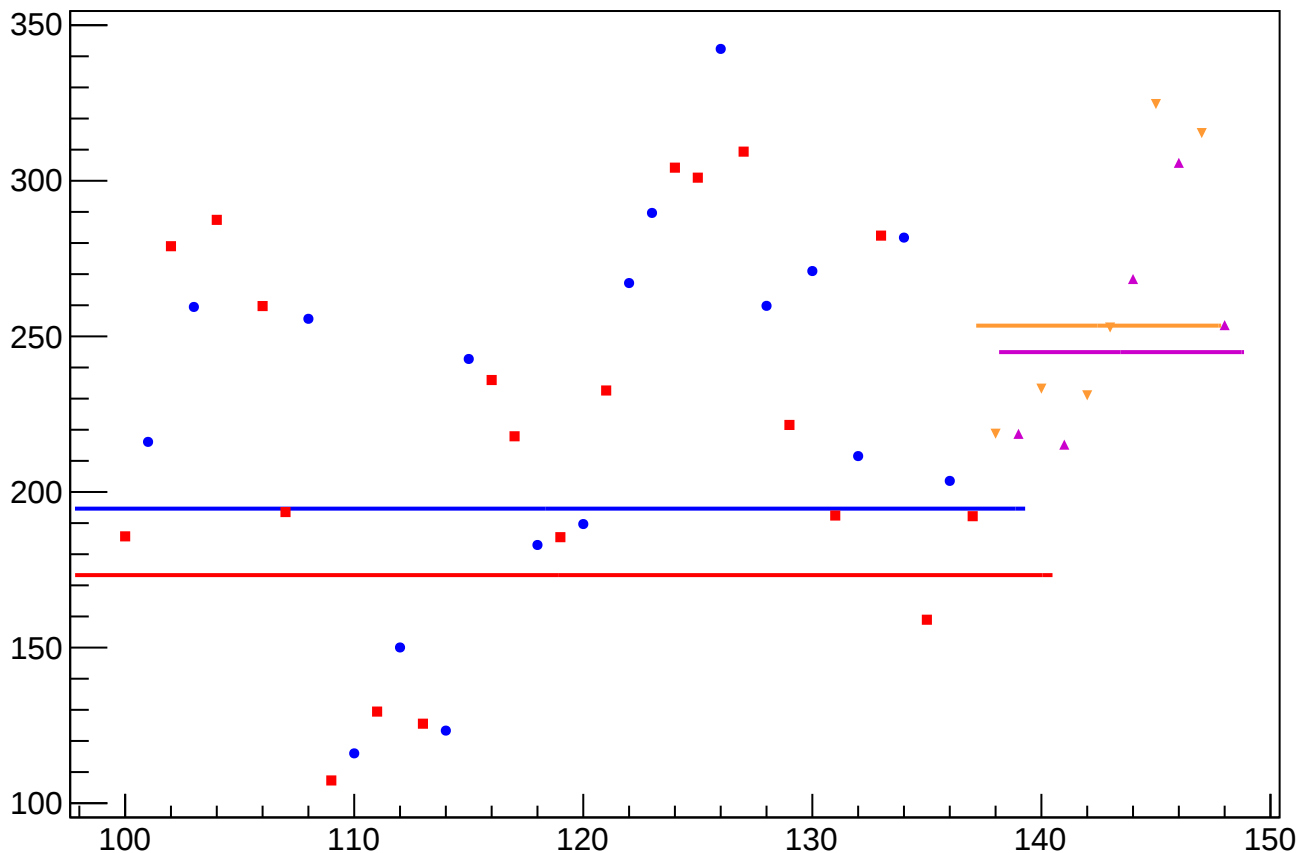
Left In: 162.318 ± 124.775 $\chi^2/\text{NDF}: 2.3/4$

79.434 ± 67.218 $\chi^2/\text{NDF}: 7.7/22$

62.079 ± 45.247 $\chi^2/\text{NDF}: 17.0/47$

47.699 ± 61.184 $\chi^2/\text{NDF}: 9.2/24$

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.652+/-0.056 χ^2/NDF : 986798.9/16

Left Out: 253.454+/-0.089 χ^2/NDF : 189329.0/5

Right Out: 173.289+/-0.050 χ^2/NDF : 1548162.6/19

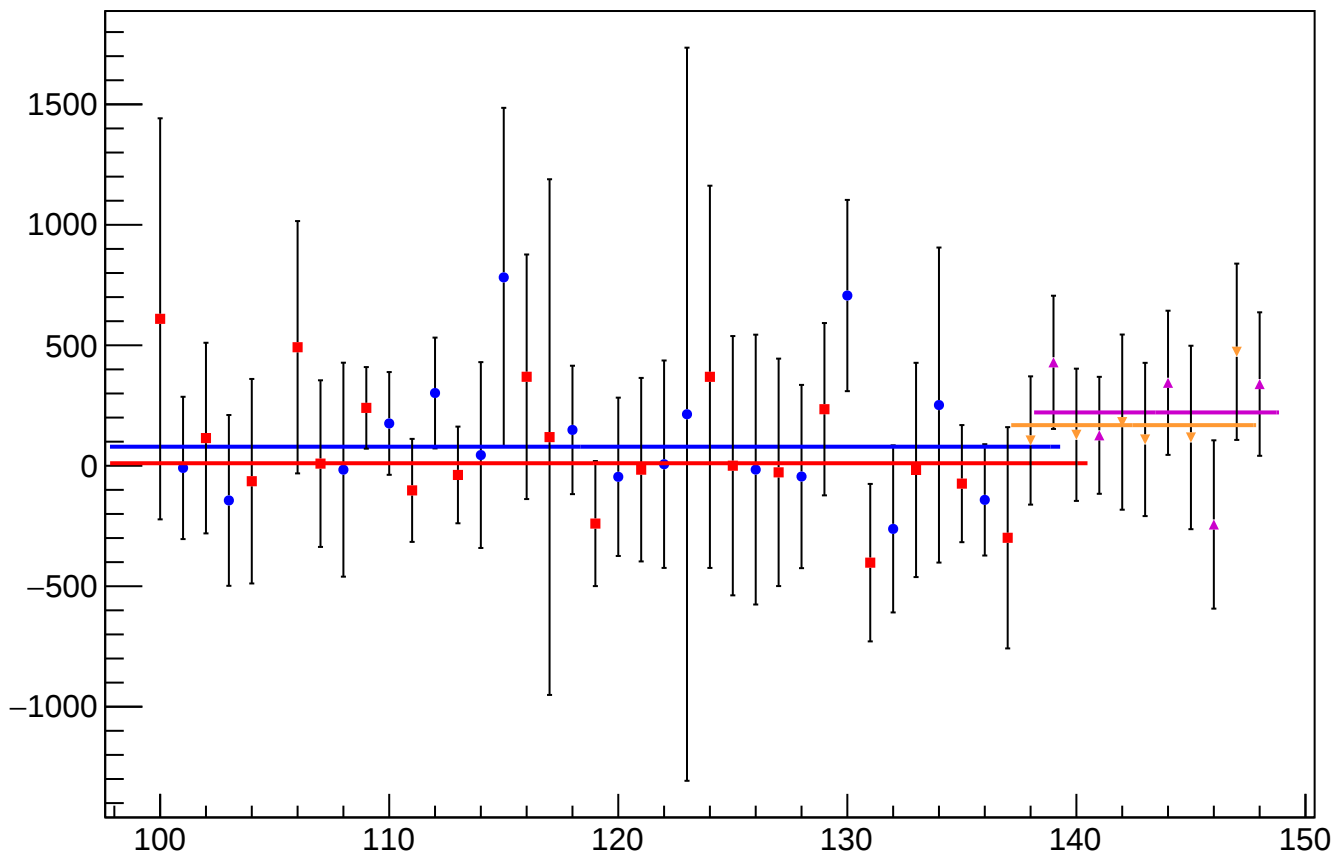
Left In: 244.945+/-0.088 χ^2/NDF : 129317.0/4

211.310+/-0.048 χ^2/NDF : 1486889.2/22

199.939+/-0.032 χ^2/NDF : 3770017.0/47

190.518+/-0.043 χ^2/NDF : 2178474.7/24

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 79.128+/-81.874 χ^2/NDF : 7.5/16

Left Out: 168.599+/-129.951 χ^2/NDF : 0.8/5

Right Out: 10.491+/-73.139 χ^2/NDF : 7.9/19

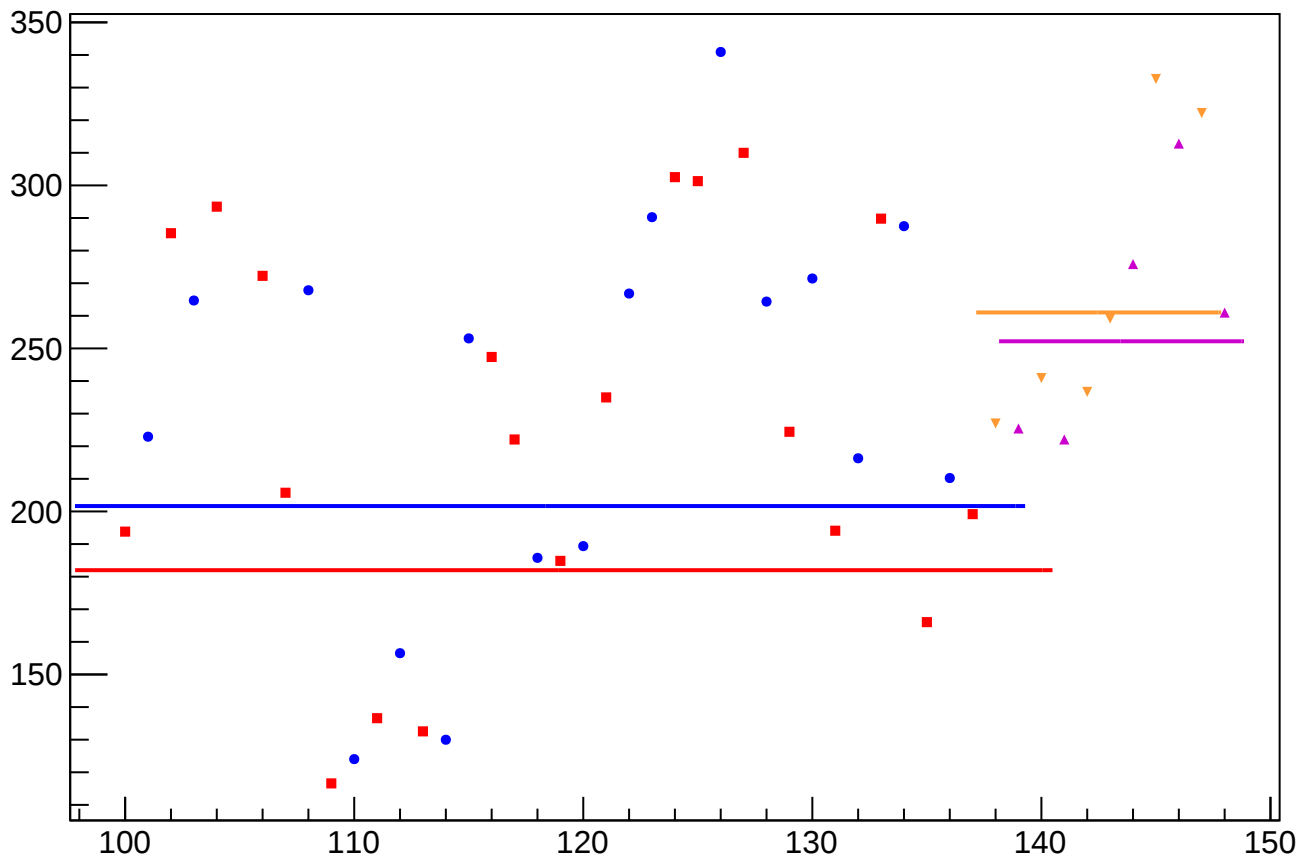
Left In: 221.355+/-128.349 χ^2/NDF : 2.8/4

104.552+/-69.272 χ^2/NDF : 8.7/22

81.542+/-46.827 χ^2/NDF : 21.6/47

62.179+/-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: 261.036 $\pm$ 0.092 χ^2/NDF : 179204.6/5

Right Out: 181.986 $\pm$ 0.052 χ^2/NDF : 1380269.0/19

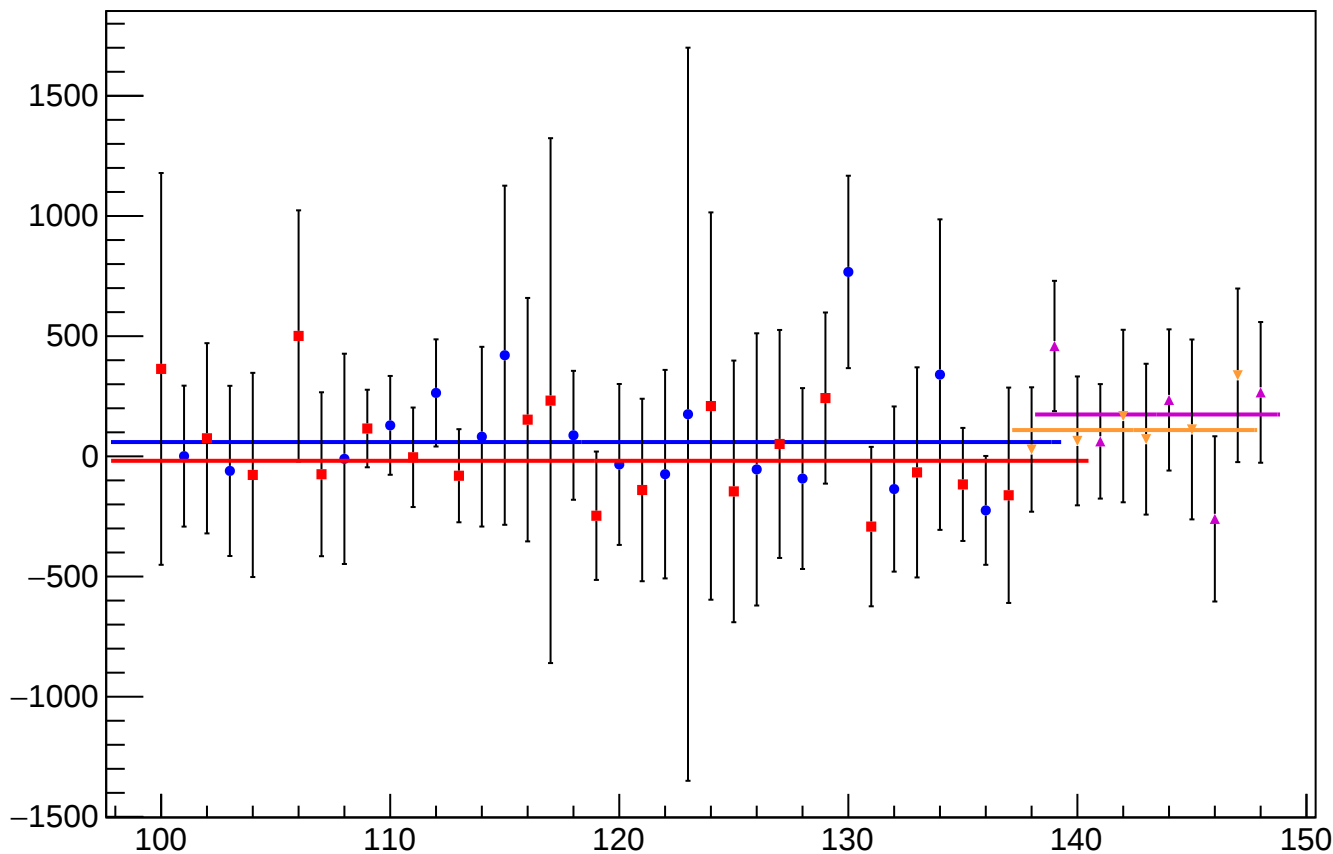
Left In: 252.190 $\pm$ 0.091 χ^2/NDF : 124053.0/4

218.528 $\pm$ 0.049 χ^2/NDF : 1361334.7/22

208.029 $\pm$ 0.033 χ^2/NDF : 3401953.0/47

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: 109.380 ± 127.444 $\chi^2/\text{NDF}: 0.6/5$

Right Out: -18.457 ± 71.711 $\chi^2/\text{NDF}: 4.8/19$

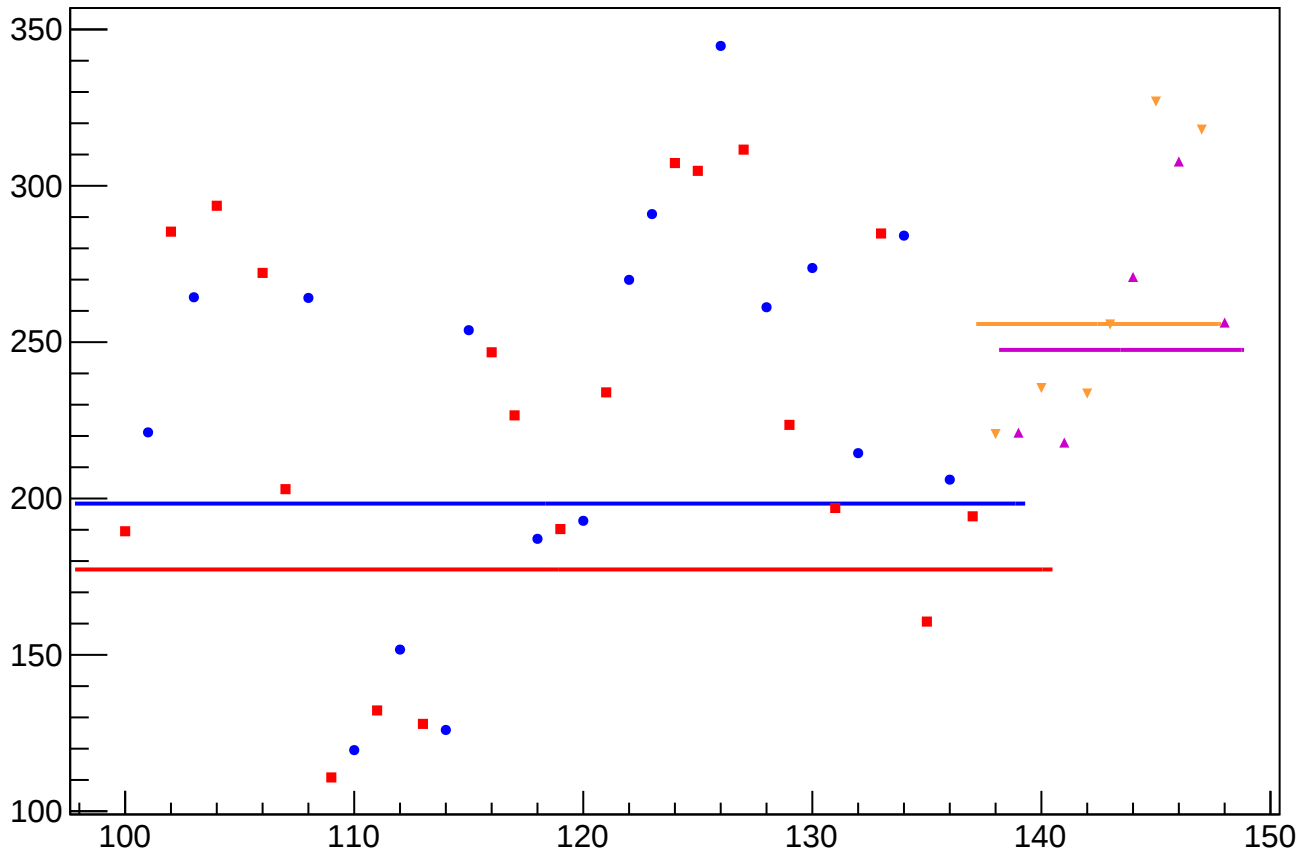
Left In: 174.245 ± 126.041 $\chi^2/\text{NDF}: 3.1/4$

73.800 ± 68.246 $\chi^2/\text{NDF}: 7.7/22$

49.193 ± 46.023 $\chi^2/\text{NDF}: 17.5/47$

28.667 ± 62.329 $\chi^2/\text{NDF}: 9.6/24$

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.378+/-0.057 χ^2/NDF : 963672.6/16

Left Out: 255.808+/-0.090 χ^2/NDF : 187874.0/5

Right Out: 177.309+/-0.051 χ^2/NDF : 1528855.2/19

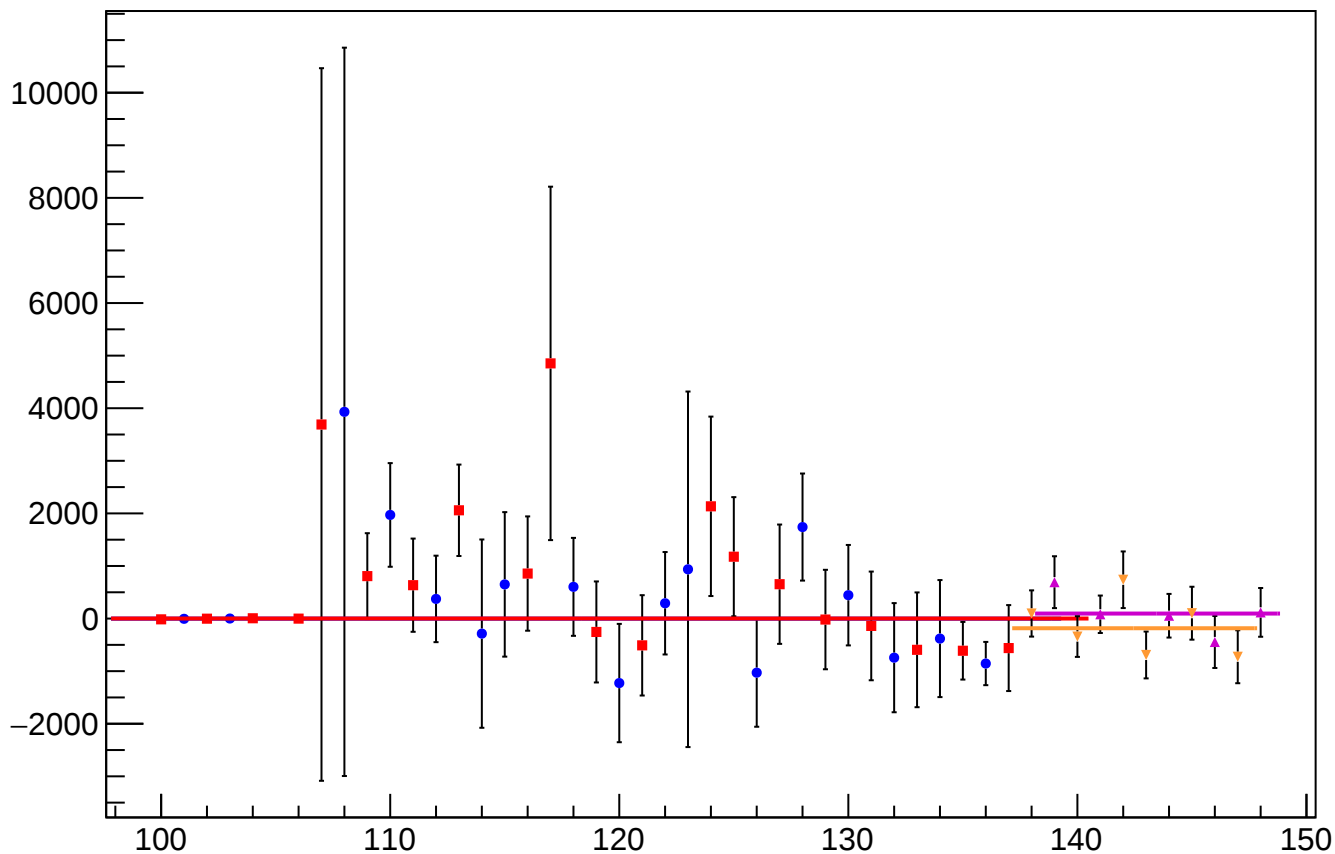
Left In: 247.526+/-0.089 χ^2/NDF : 125816.3/4

214.847+/-0.048 χ^2/NDF : 1441217.3/22

203.742+/-0.033 χ^2/NDF : 3661914.0/47

194.480+/-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: -183.893 ± 188.136 χ^2/NDF : 6.3/5

Right Out: 0.728 ± 2.111 χ^2/NDF : 21.4/19

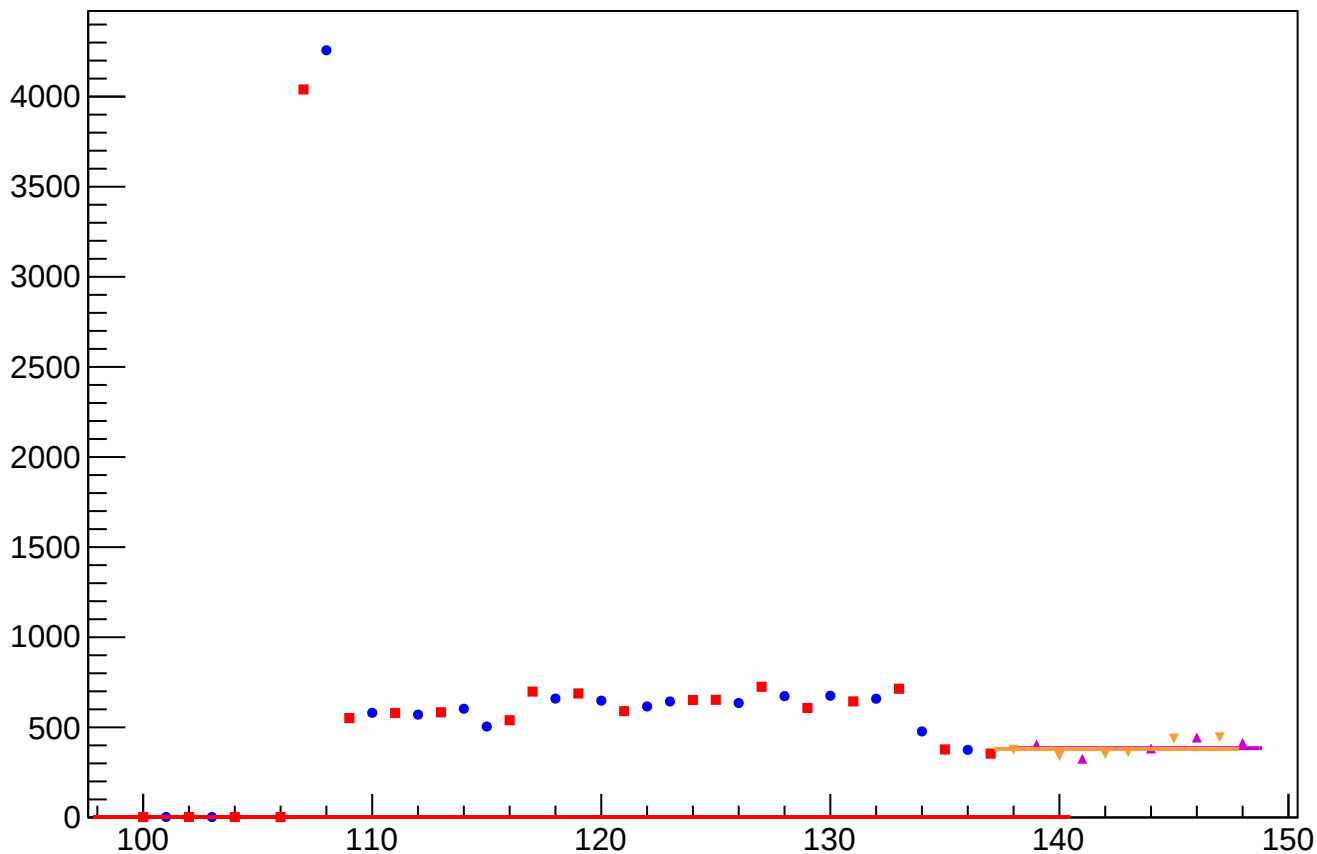
Left In: 95.289 ± 194.074 χ^2/NDF : 2.7/4

-1.555 ± 2.251 χ^2/NDF : 24.2/22

-0.334 ± 1.540 χ^2/NDF : 49.0/47

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: 380.471+/-0.133 χ^2/NDF :88220.0/5

Right Out: 2.437+/-0.001 χ^2/NDF : 11233207.9/19

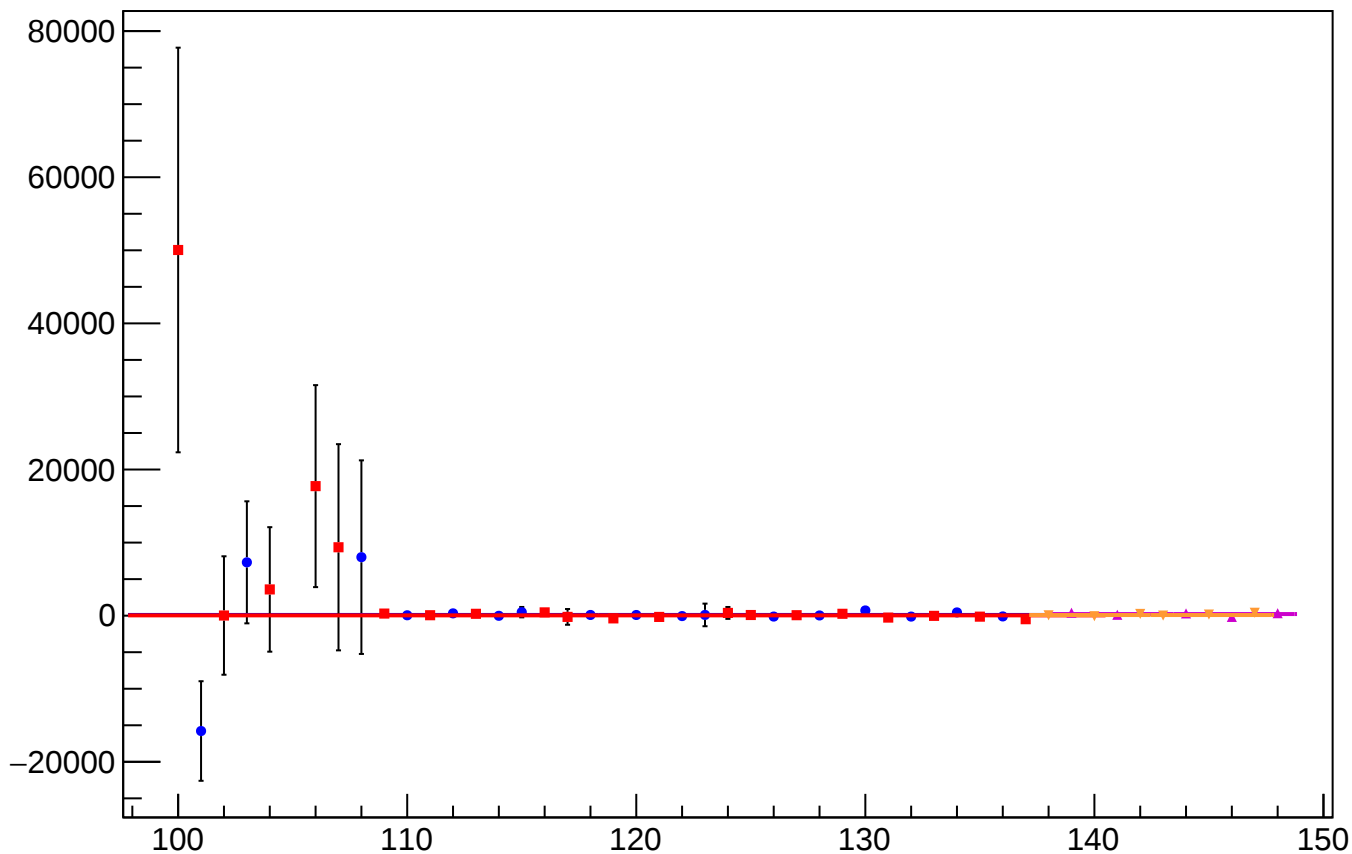
Left In: 384.421+/-0.137 χ^2/NDF :93899.3/4

2.511+/-0.002 χ^2/NDF : 19009163.9/22

2.496+/-0.001 χ^2/NDF : 38083448.5/47

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: 87.057+/-132.416 χ^2/NDF : 1.3/5

Right Out: 41.024+/-84.237 χ^2/NDF : 13.9/19

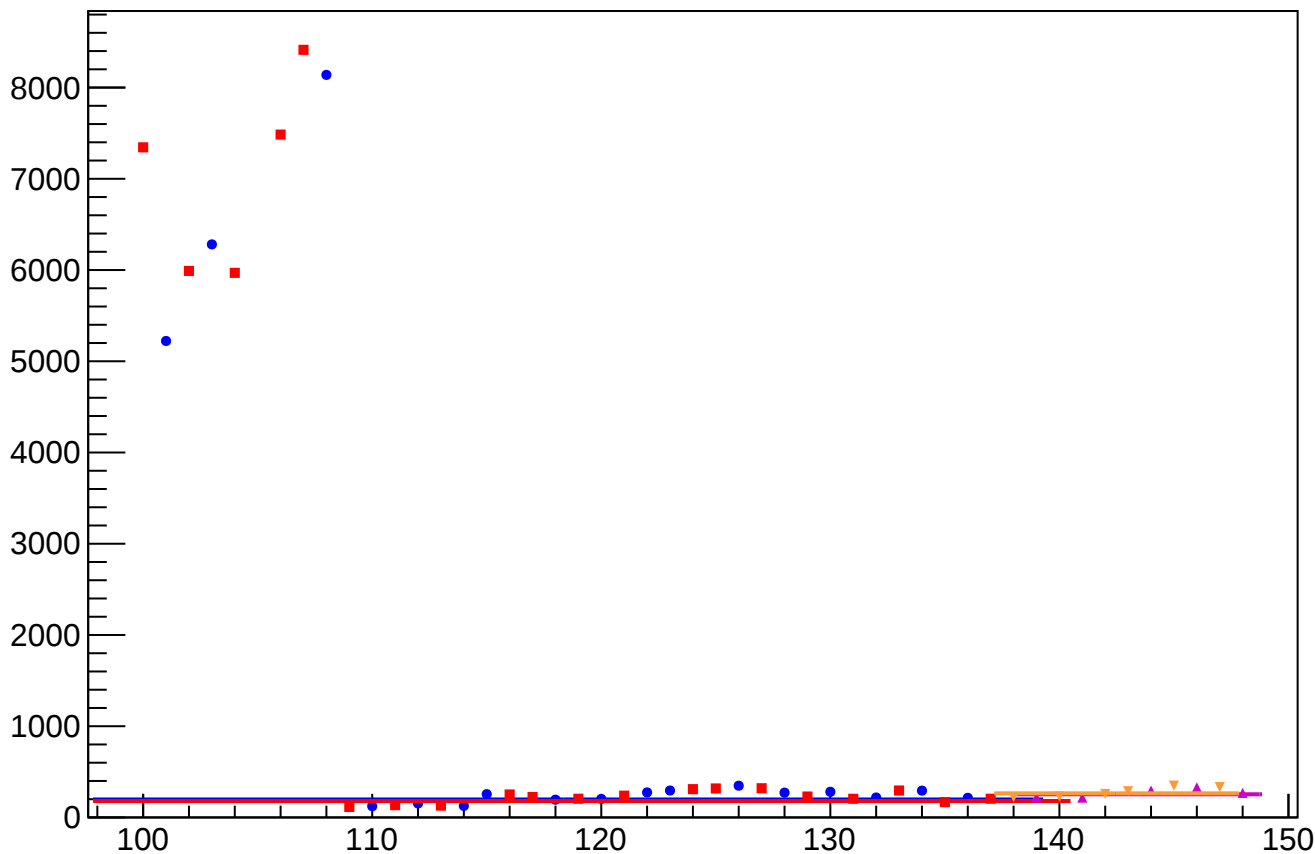
Left In: 221.291+/-130.050 χ^2/NDF : 2.0/4

94.934+/-74.919 χ^2/NDF : 13.2/22

94.600+/-51.420 χ^2/NDF : 30.4/47

94.302+/-70.701 χ^2/NDF : 17.3/24

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.086 $\pm$ 0.064 χ^2/NDF : 3693614.0/16

Left Out: 264.529 $\pm$ 0.094 χ^2/NDF : 254510.9/5

Right Out: 180.217 $\pm$ 0.060 χ^2/NDF : 4324457.3/19

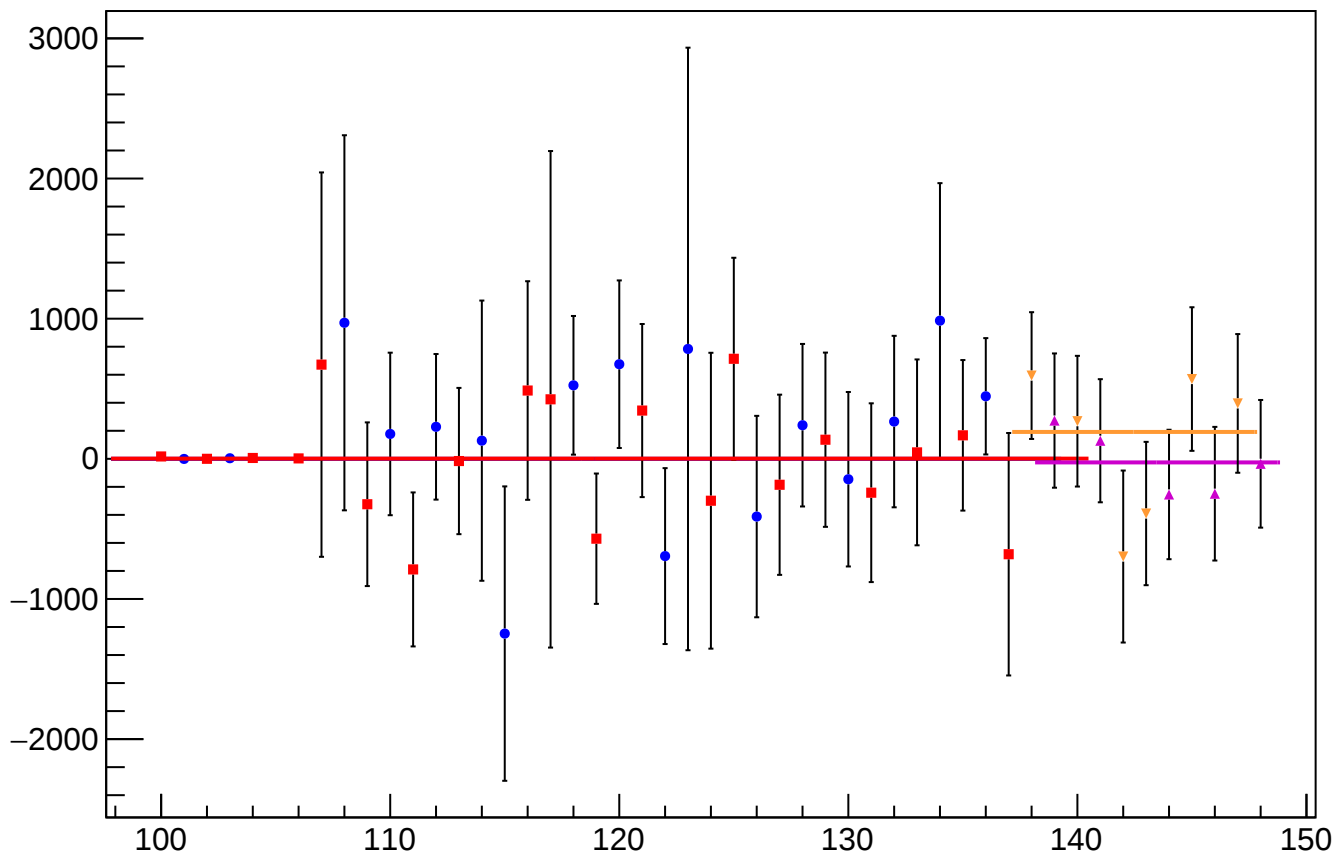
Left In: 254.057 $\pm$ 0.092 χ^2/NDF : 205243.4/4

218.675 $\pm$ 0.053 χ^2/NDF : 4300868.8/22

209.876 $\pm$ 0.036 χ^2/NDF : 9336906.8/47

202.040 $\pm$ 0.050 χ^2/NDF : 4983886.7/24

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.138 $\pm$ 1.737 χ^2/NDF : 9.7/16

Left Out: 191.850 $\pm$ 204.709 χ^2/NDF : 4.9/5

Right Out: 1.324 $\pm$ 1.623 χ^2/NDF : 9.7/19

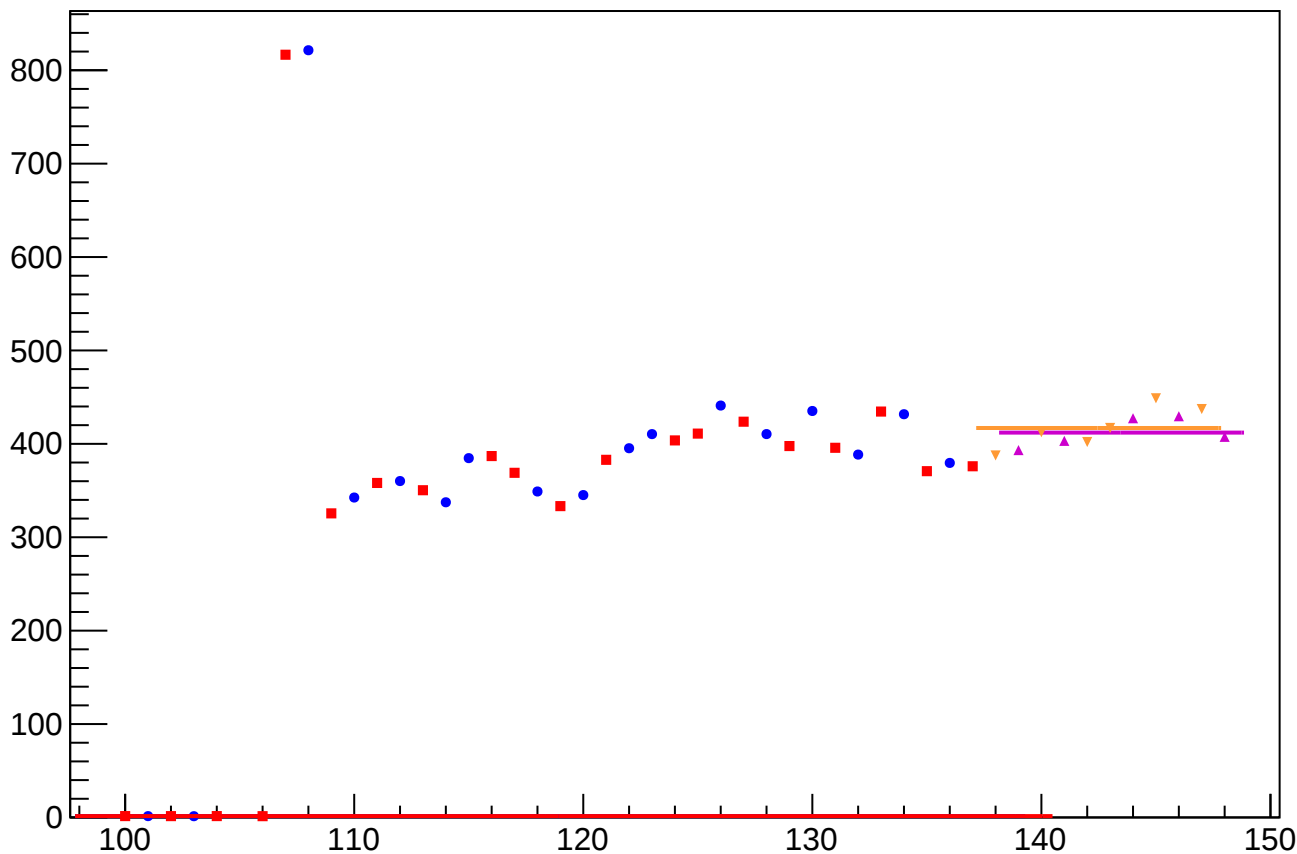
Left In: -25.630 $\pm$ 206.508 χ^2/NDF : 1.0/4

-0.124 $\pm$ 1.737 χ^2/NDF : 15.5/22

0.648 $\pm$ 1.186 χ^2/NDF : 26.6/47

1.322 $\pm$ 1.623 χ^2/NDF : 10.7/24

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.453 $\pm$ 0.001 χ^2/NDF : 10957986.8/16

Left Out: 416.976 $\pm$ 0.145 χ^2/NDF : 20902.4/5

Right Out: 1.451 $\pm$ 0.001 χ^2/NDF : 10966832.6/19

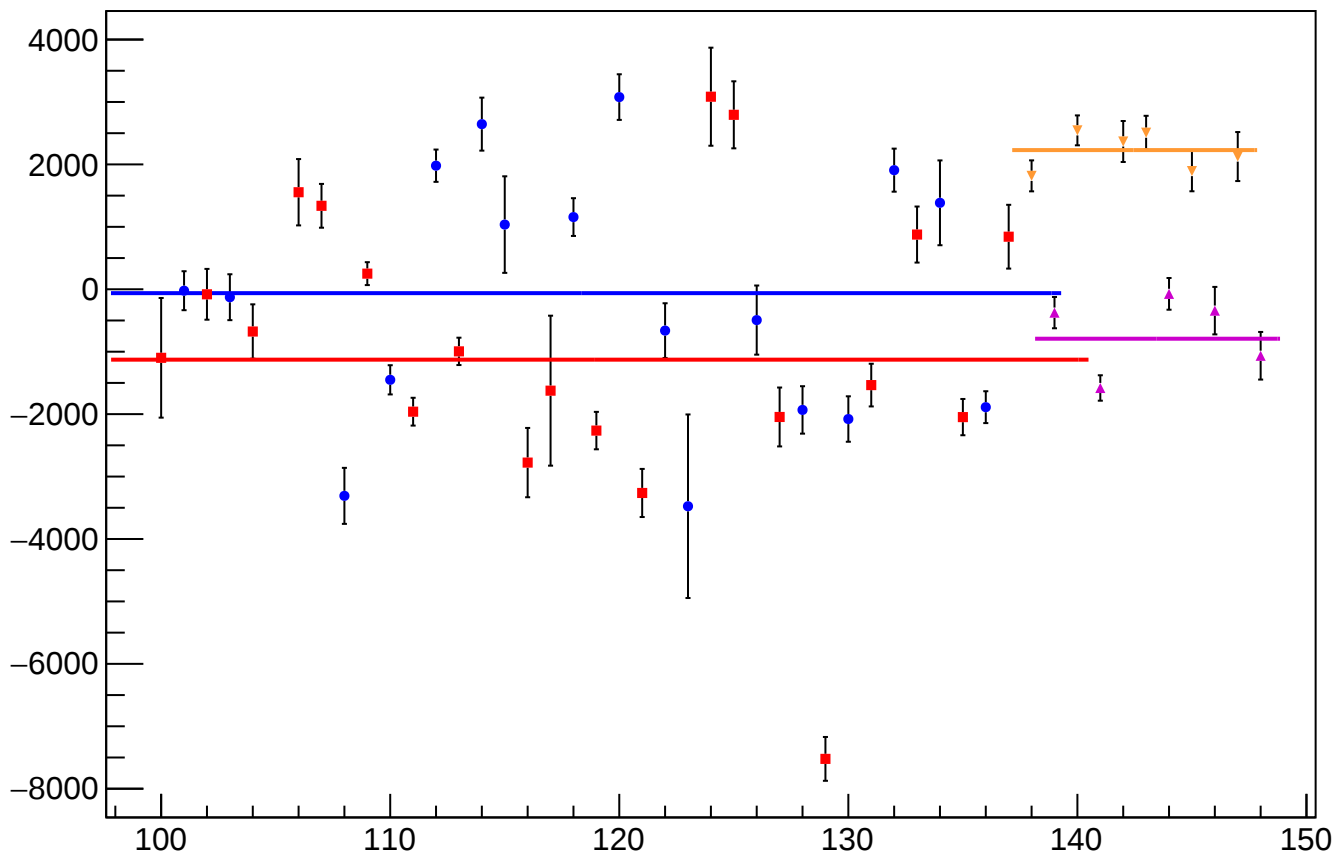
Left In: 412.038 $\pm$ 0.146 χ^2/NDF : 8978.9/4

1.483 $\pm$ 0.001 χ^2/NDF : 19218672.7/22

1.480 $\pm$ 0.001 χ^2/NDF : 38100194.9/47

1.477 $\pm$ 0.001 χ^2/NDF : 18881509.4/24

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -62.164 ± 87.424 $\chi^2/\text{NDF}: 433.9/16$

Left Out: 2229.303 ± 117.317 $\chi^2/\text{NDF}: 6.9/5$

Right Out: -1127.552 ± 78.203 $\chi^2/\text{NDF}: 671.4/19$

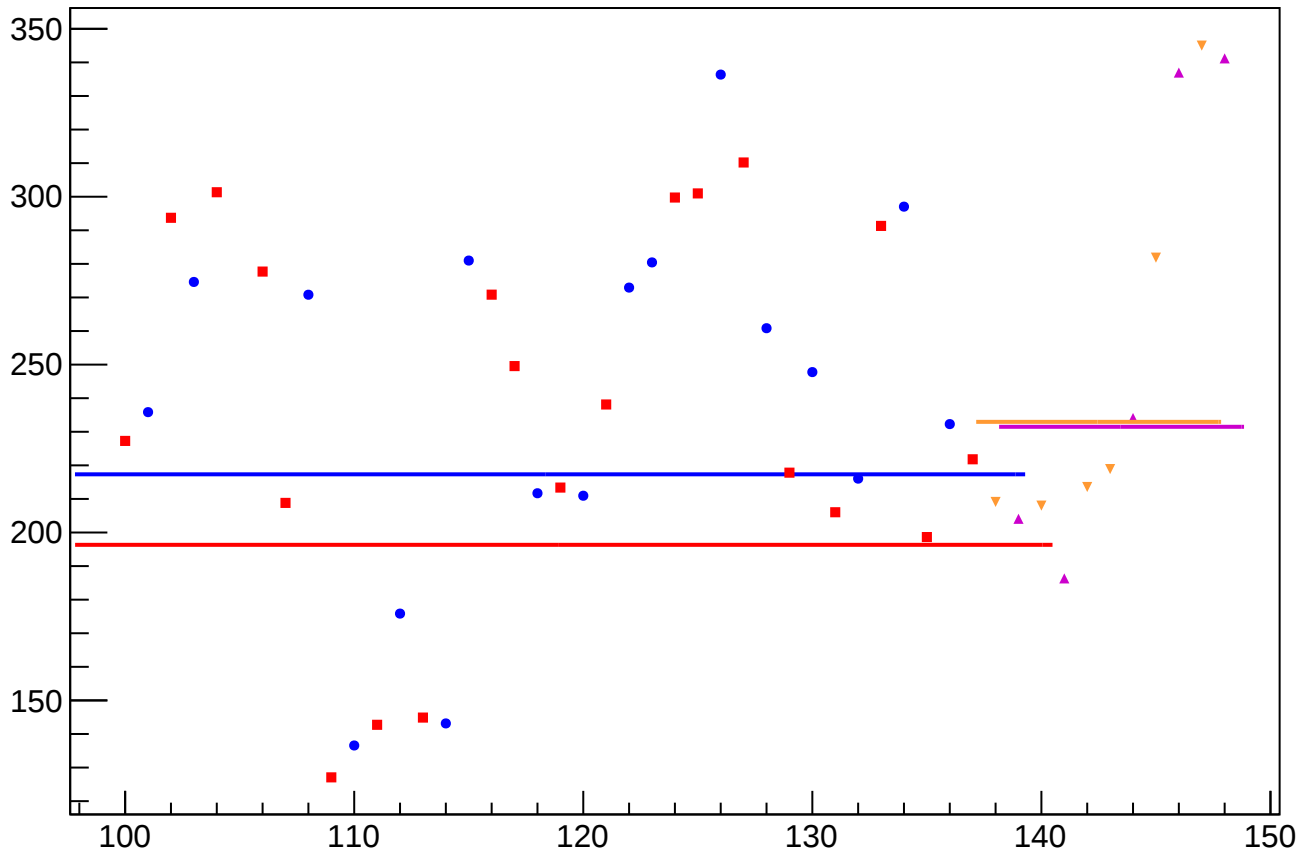
Left In: -792.071 ± 120.120 $\chi^2/\text{NDF}: 27.7/4$

755.985 ± 70.100 $\chi^2/\text{NDF}: 686.1/22$

-195.782 ± 47.874 $\chi^2/\text{NDF}: 1736.1/47$

-1027.684 ± 65.538 $\chi^2/\text{NDF}: 704.6/24$

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.330 $\pm$ 0.062 χ^2 /NDF: 652722.5/16

Left Out: 232.955 $\pm$ 0.083 χ^2 /NDF: 261182.7/5

Right Out: 196.332 $\pm$ 0.055 χ^2 /NDF: 1194678.0/19

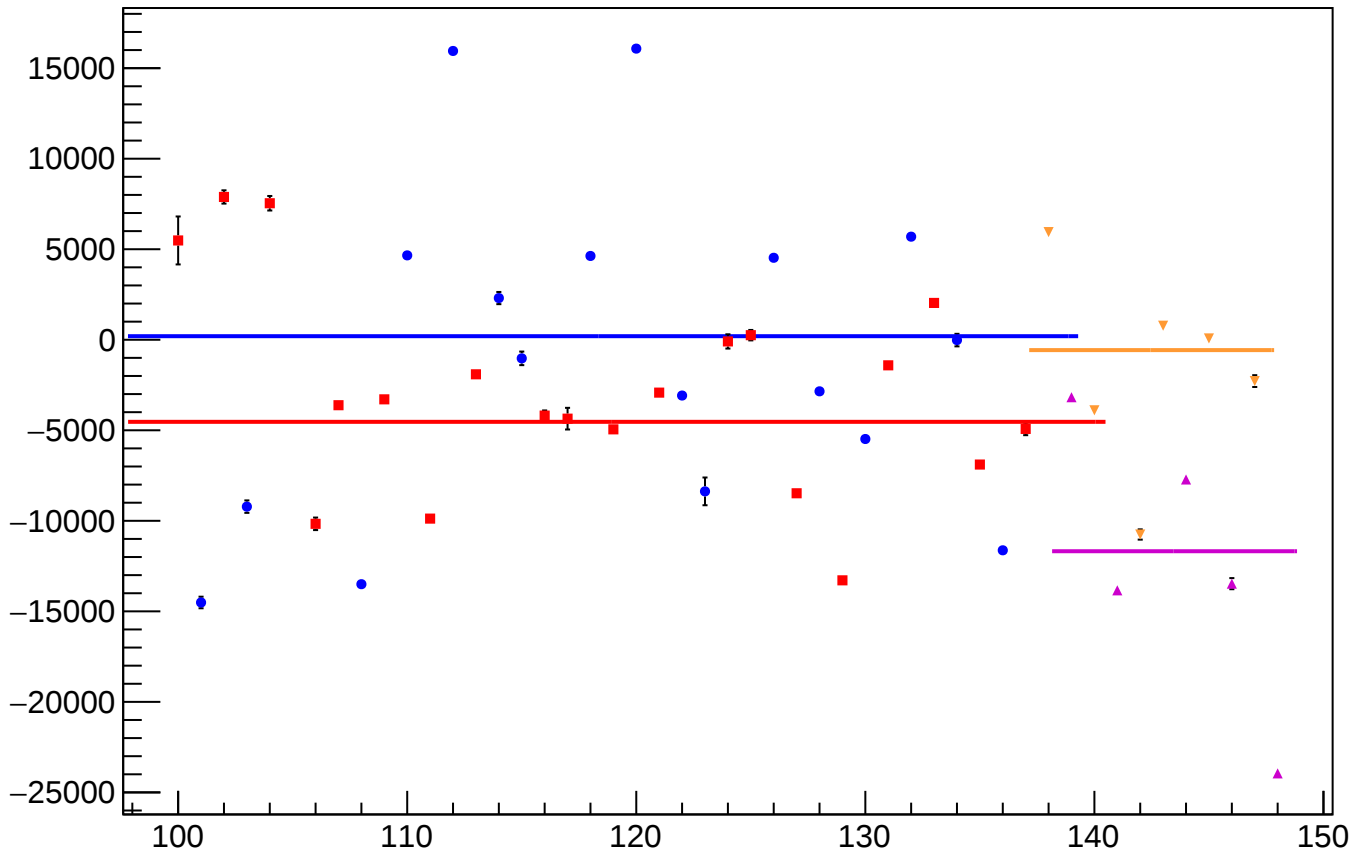
Left In: 231.483 $\pm$ 0.085 χ^2 /NDF: 441792.5/4

222.909 $\pm$ 0.050 χ^2 /NDF: 936716.1/22

214.311 $\pm$ 0.034 χ^2 /NDF: 2749857.7/47

206.796 $\pm$ 0.046 χ^2 /NDF: 1756757.9/24

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 197.008 $\pm$ 54.799 χ^2/NDF : 30658.3/16

Left Out: -571.744 $\pm$ 99.307 χ^2/NDF : 2771.1/5

Right Out: -4532.856 $\pm$ 52.261 χ^2/NDF : 7477.3/19

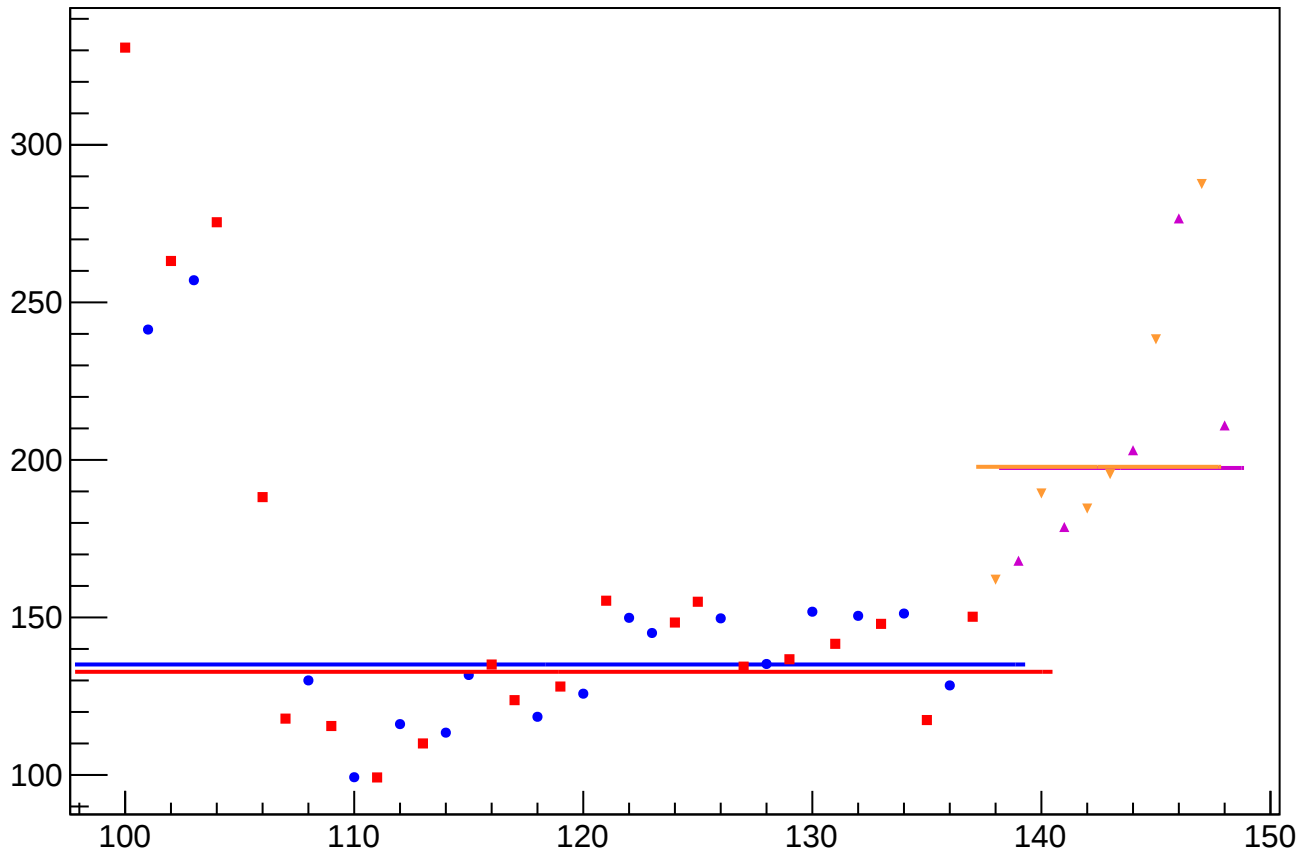
Left In: -11679.907 $\pm$ 101.222 χ^2/NDF : 4704.0/4

17.568 $\pm$ 47.979 χ^2/NDF : 33475.3/22

-3108.583 $\pm$ 33.368 χ^2/NDF : 57815.3/47

-6037.055 $\pm$ 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: 197.813+/-0.070 χ^2/NDF : 273799.4/5

Right Out: 132.747+/-0.037 χ^2/NDF : 831647.2/19

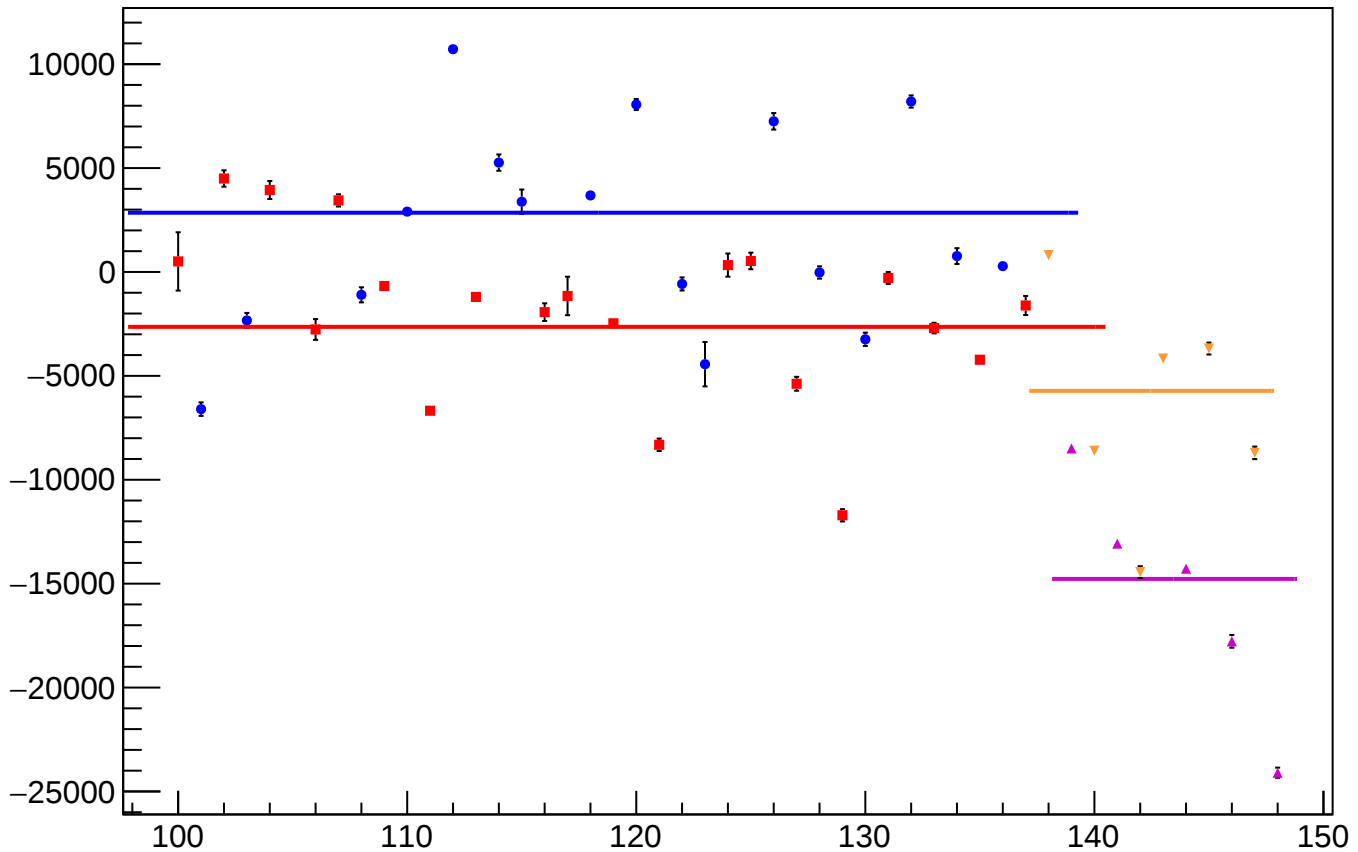
Left In: 197.445+/-0.072 χ^2/NDF : 199494.8/4

149.717+/-0.034 χ^2/NDF : 1544478.5/22

147.985+/-0.024 χ^2/NDF : 3225767.4/47

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: -5722.007 $\pm$ 102.093 χ^2/NDF :2273.8/5

Right Out: -2641.642 $\pm$ 65.566 χ^2/NDF : 3178.3/19

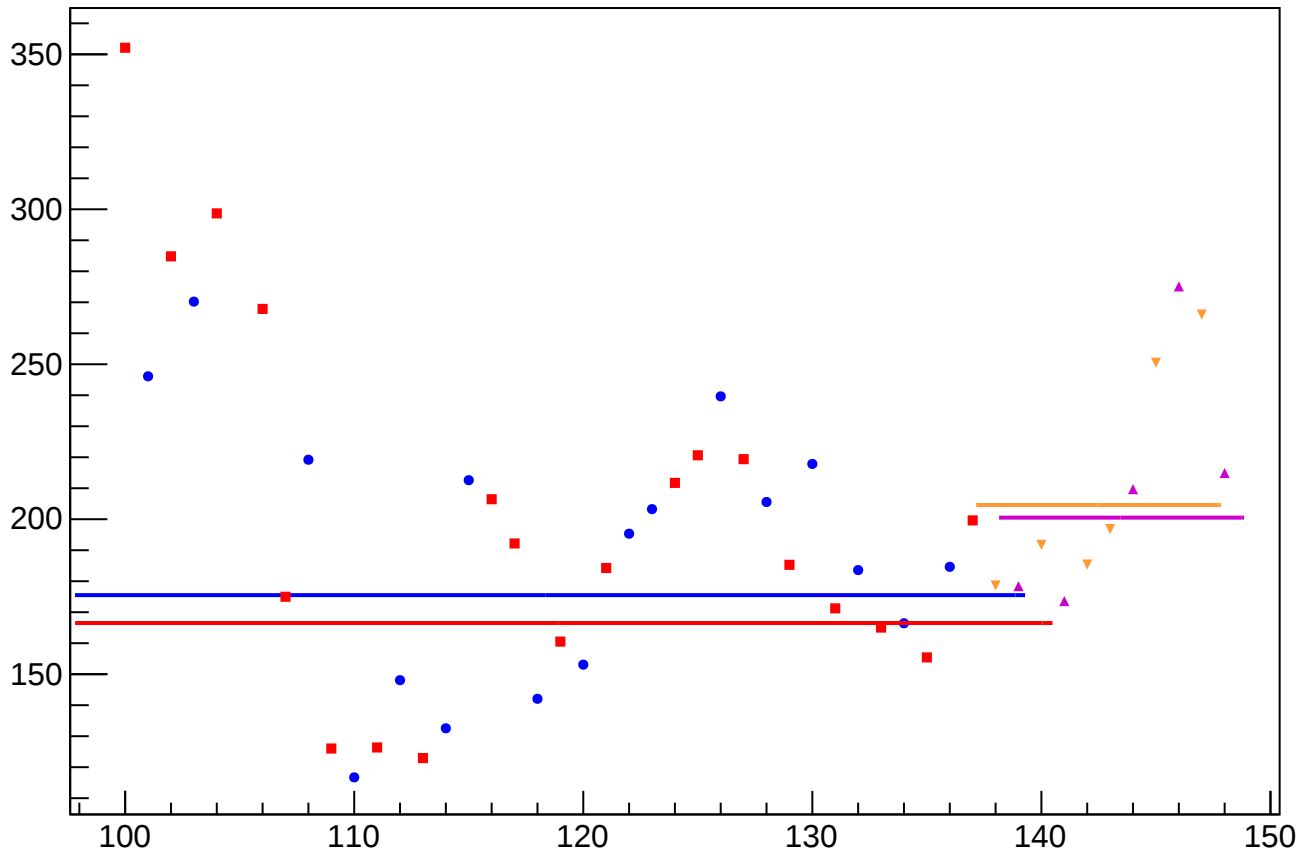
Left In: -14771.665 $\pm$ 102.383 χ^2/NDF :2463.3/4

69.717 $\pm$ 58.153 χ^2/NDF : 11216.0/22

-3211.524 $\pm$ 40.041 χ^2/NDF : 32865.7/47

-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: 204.592 +/- 0.072 χ^2/NDF : 182368.8/5

Right Out: 166.522 +/- 0.046 χ^2/NDF : 931079.9/19

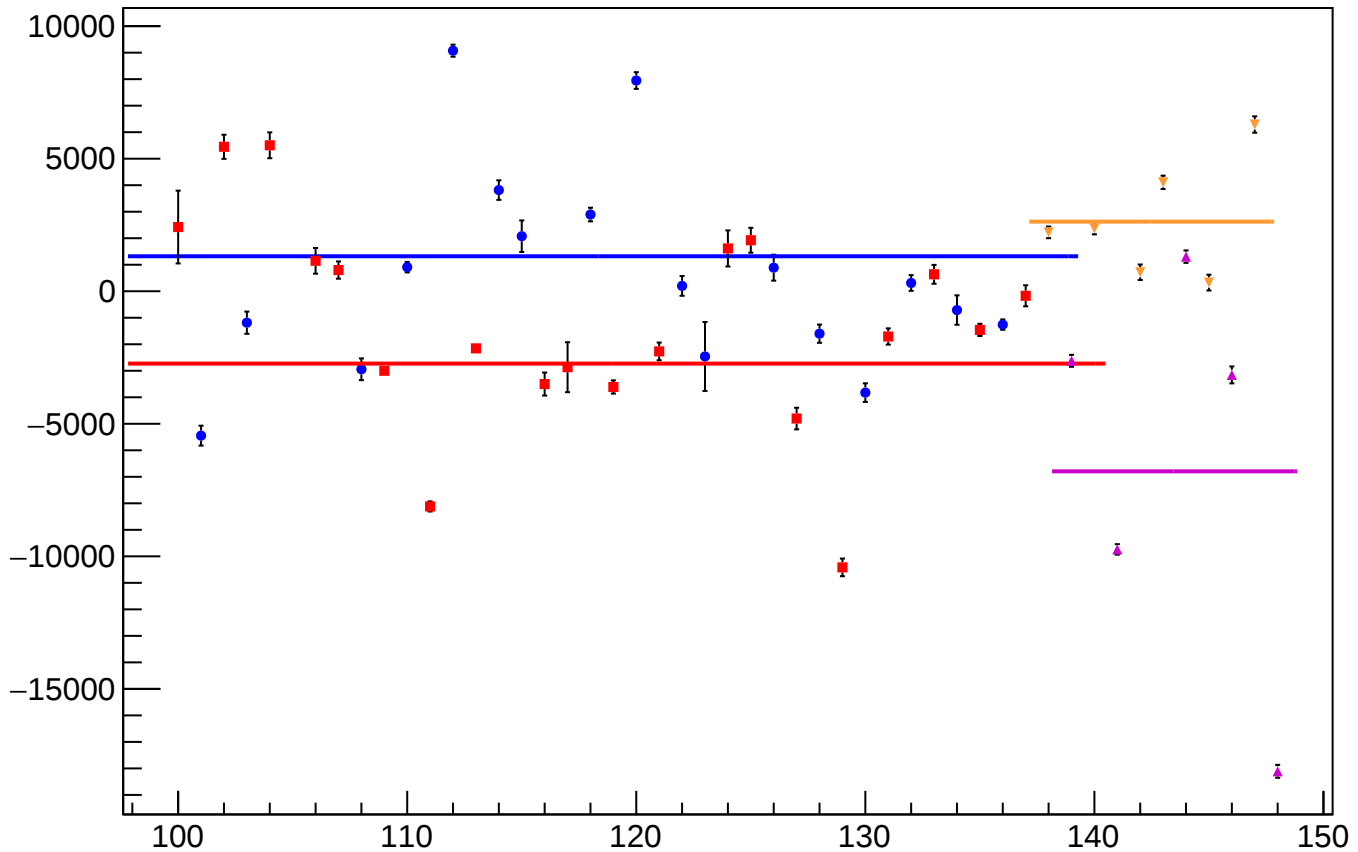
Left In: 200.520 +/- 0.072 χ^2/NDF : 189093.7/4

184.949 +/- 0.041 χ^2/NDF : 981610.2/22

180.458 +/- 0.028 χ^2/NDF : 2280851.5/47

176.410 +/- 0.039 χ^2/NDF : 1276564.4/24

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 2625.622+/-105.724 χ^2/NDF : 282.1/5

Right Out: -2728.550+/-69.837 χ^2/NDF : 2495.9/19

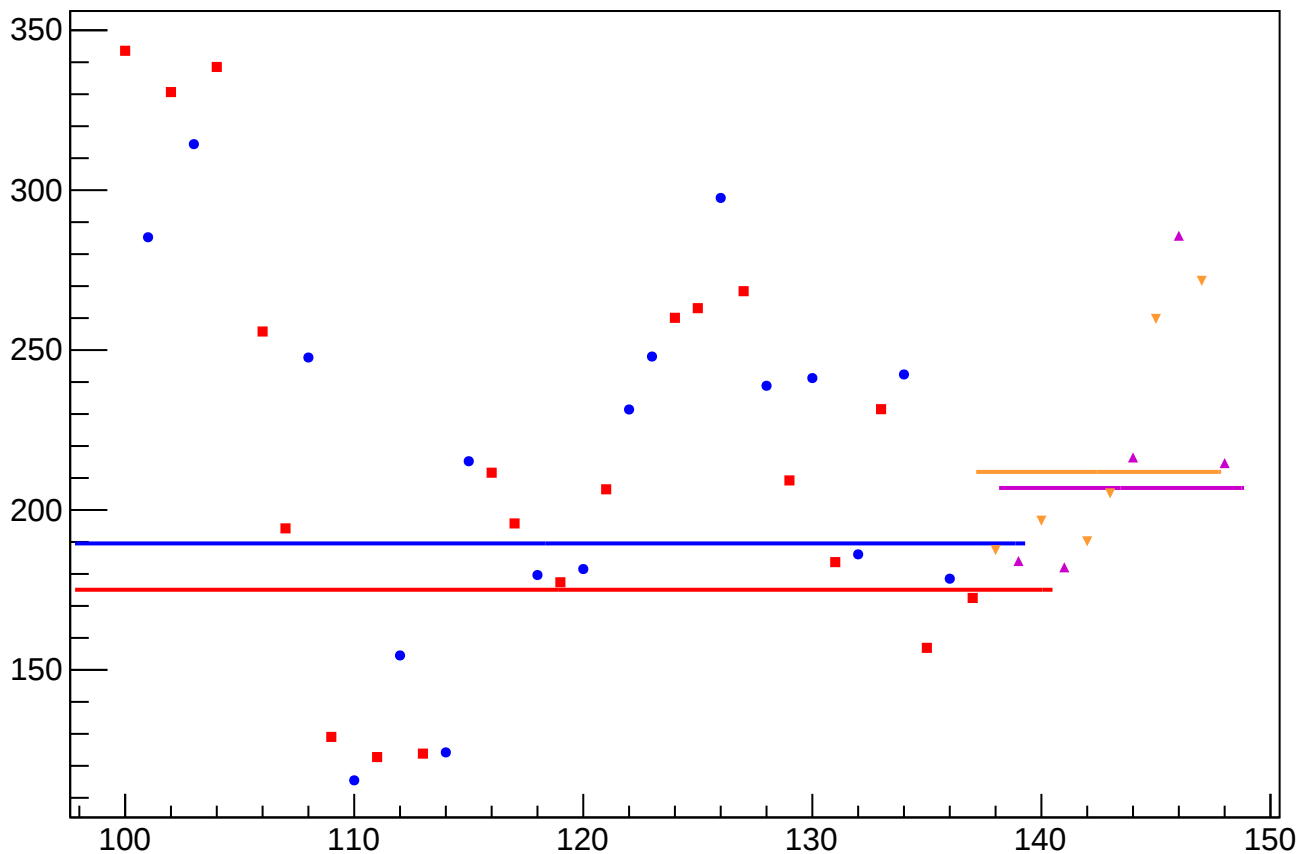
Left In: -6794.275+/-105.606 χ^2/NDF : 4032.2/4

1772.992+/-62.319 χ^2/NDF : 3048.8/22

-1289.638+/-42.555 χ^2/NDF : 15133.6/47

-3965.573+/-58.252 χ^2/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: 211.914 +/- 0.075 χ^2/NDF : 172697.3/5

Right Out: 175.058 +/- 0.049 χ^2/NDF : 1298079.7/19

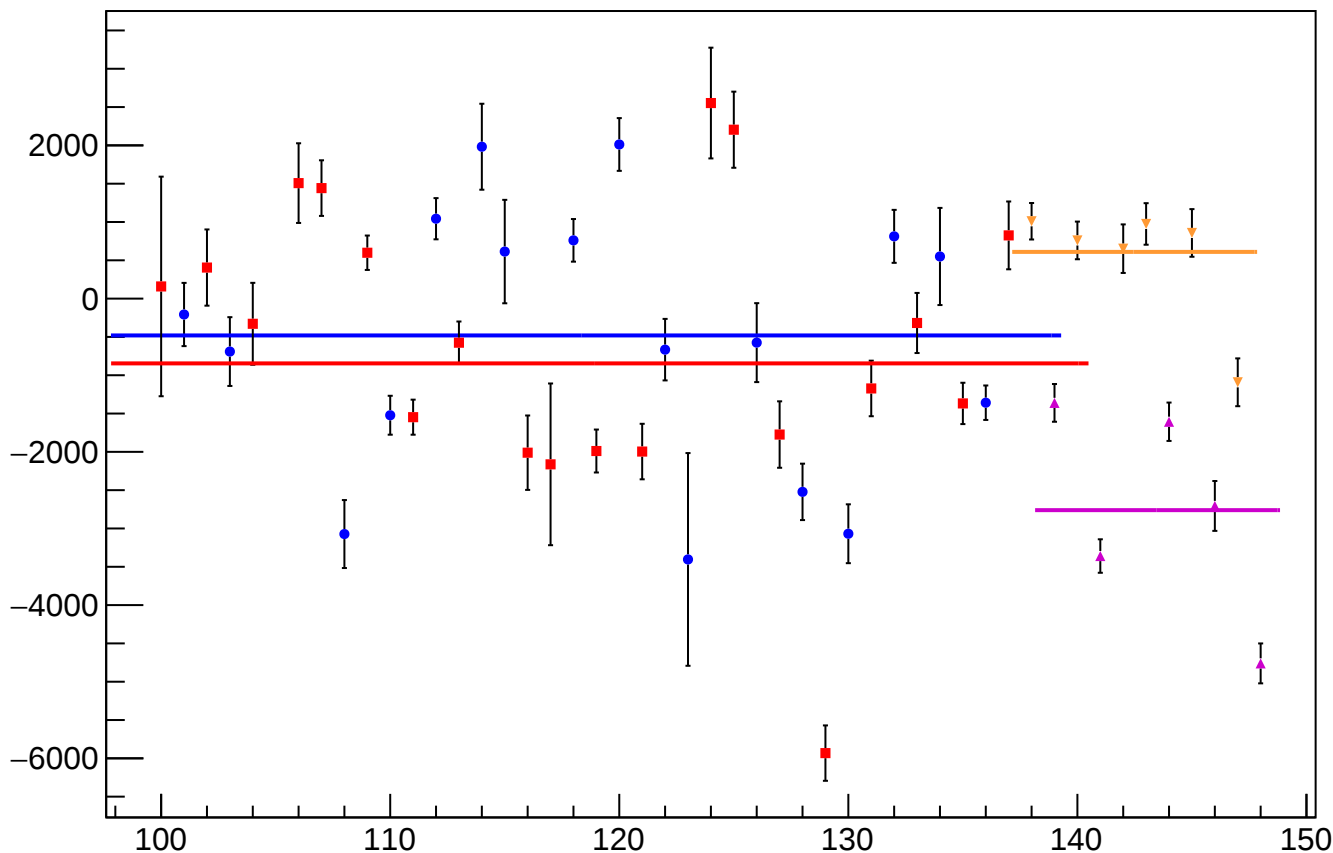
Left In: 206.884 +/- 0.075 χ^2/NDF : 178815.1/4

197.317 +/- 0.044 χ^2/NDF : 1211868.5/22

190.605 +/- 0.030 χ^2/NDF : 2858603.0/47

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: 609.808+/-112.958 χ^2/NDF : 35.4/5

Right Out: -845.444+/-81.995 χ^2/NDF : 436.9/19

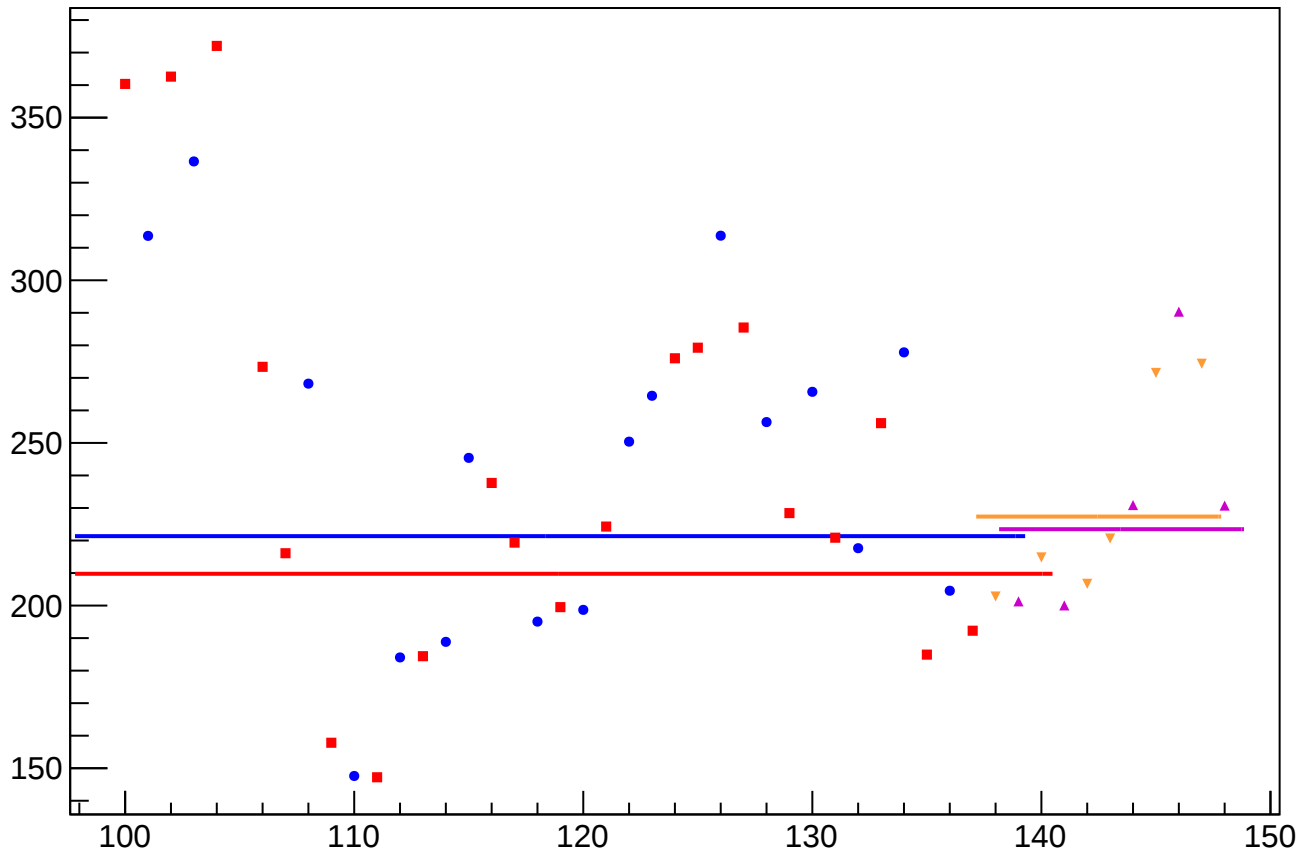
Left In: -2760.820+/-113.537 χ^2/NDF : 120.1/4

-65.026+/-69.733 χ^2/NDF : 383.8/22

-817.888+/-48.115 χ^2/NDF : 1350.2/47

-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: 227.363 ± 0.080 χ^2/NDF : 121952.7/5

Right Out: 209.775 ± 0.058 χ^2/NDF : 884083.7/19

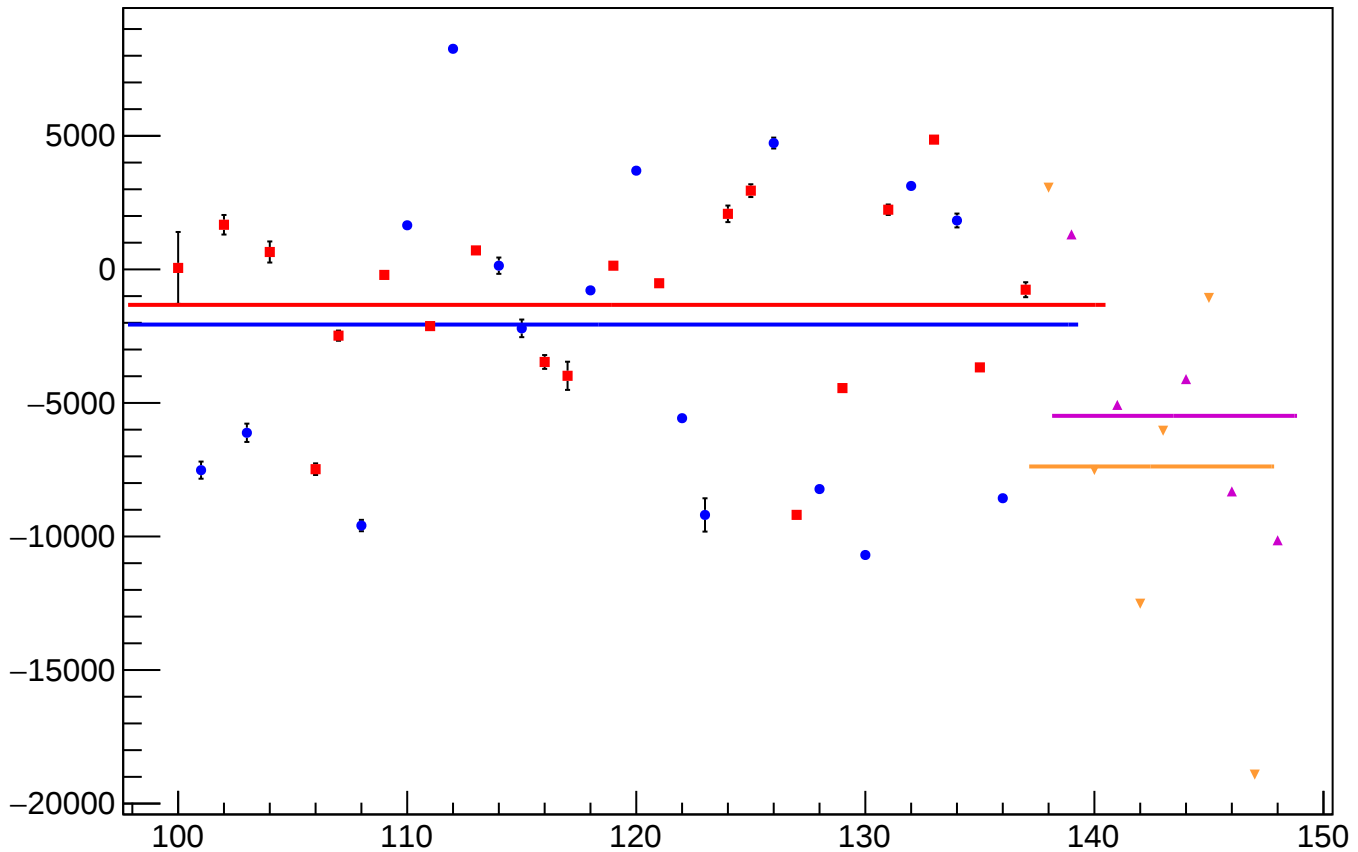
Left In: 223.481 ± 0.080 χ^2/NDF : 126994.7/4

223.637 ± 0.049 χ^2/NDF : 771157.1/22

218.835 ± 0.034 χ^2/NDF : 1819486.1/47

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: -7378.795 $\pm$ 53.852 χ^2/NDF : 18867.5/5

Right Out: -1327.819 $\pm$ 44.838 χ^2/NDF : 5919.9/19

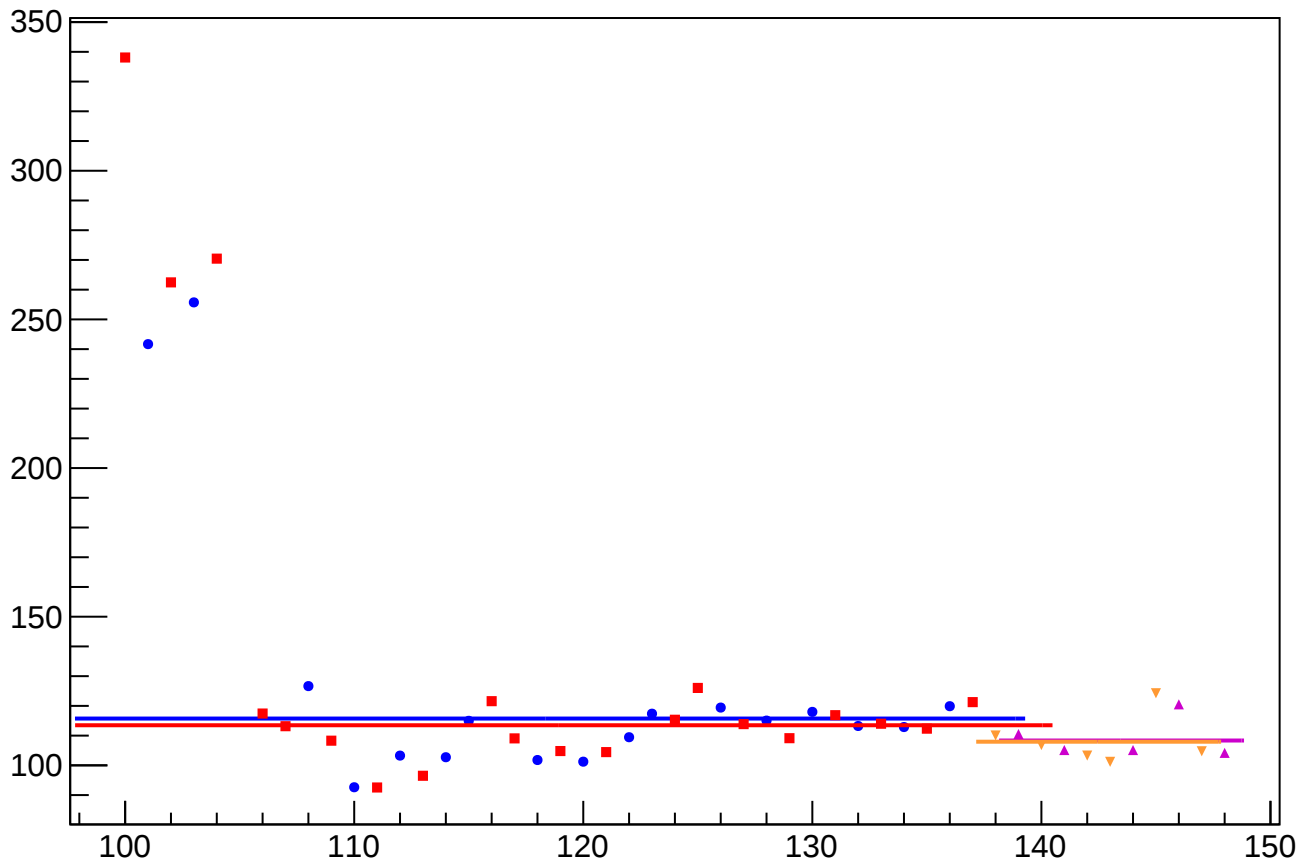
Left In: -5483.061 $\pm$ 54.944 χ^2/NDF : 4644.3/4

-4380.429 $\pm$ 35.548 χ^2/NDF : 40894.5/22

-3668.646 $\pm$ 24.845 χ^2/NDF : 55675.6/47

-2988.883 $\pm$ 34.739 χ^2/NDF : 13997.2/24

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 ± 0.033 χ^2/NDF : 744017.7/16

Left Out: 107.953 ± 0.038 χ^2/NDF : 35316.3/5

Right Out: 113.487 ± 0.032 χ^2/NDF : 796781.7/19

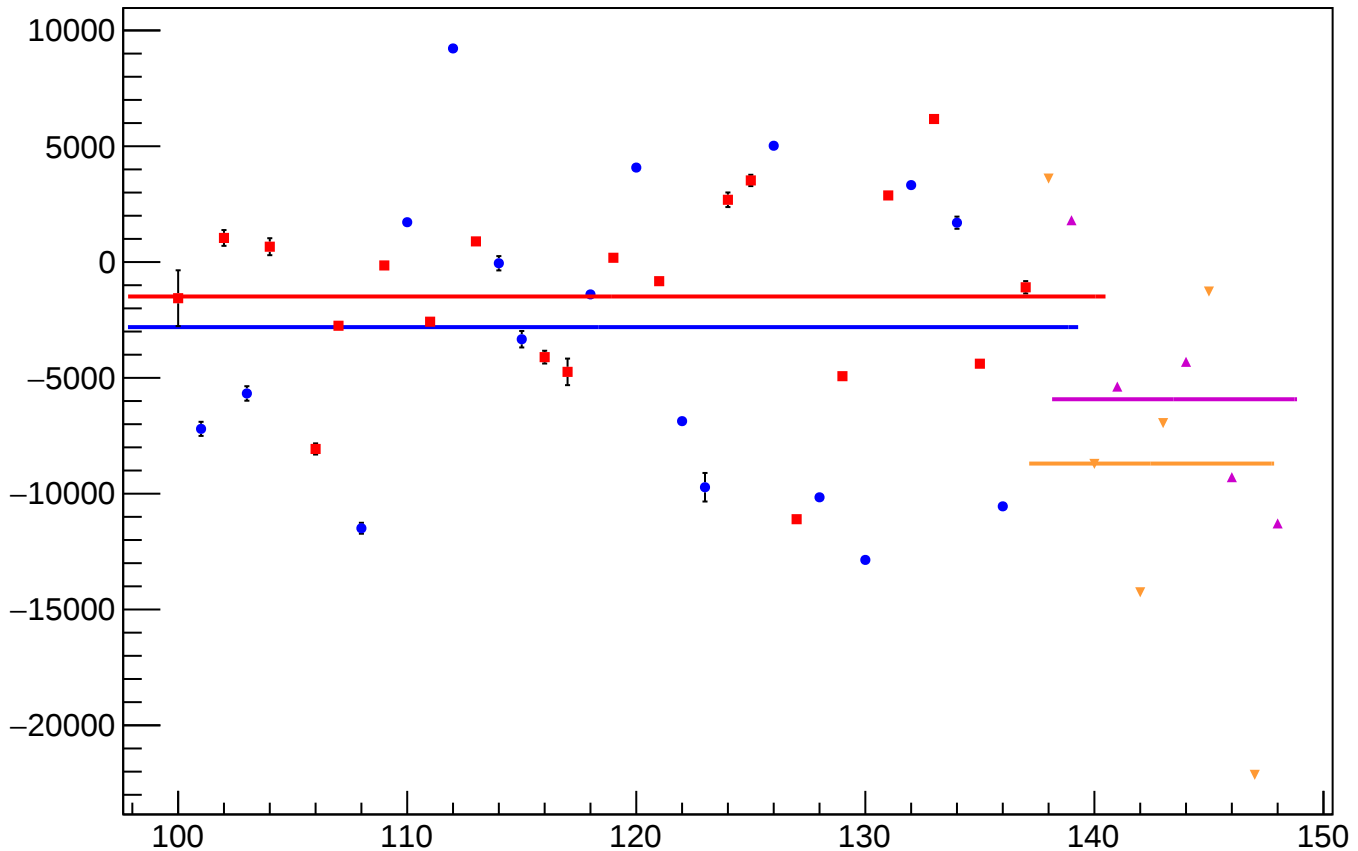
Left In: 108.354 ± 0.039 χ^2/NDF : 22355.1/4

112.347 ± 0.025 χ^2/NDF : 802934.8/22

111.881 ± 0.018 χ^2/NDF : 1633223.3/47

111.435 ± 0.025 χ^2/NDF : 829614.7/24

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2809.101 $\pm$ 48.284 χ^2/NDF : 21263.1/16

Left Out: -8699.787 $\pm$ 58.136 χ^2/NDF : 21957.3/5

Right Out: -1486.369 $\pm$ 46.243 χ^2/NDF : 8037.1/19

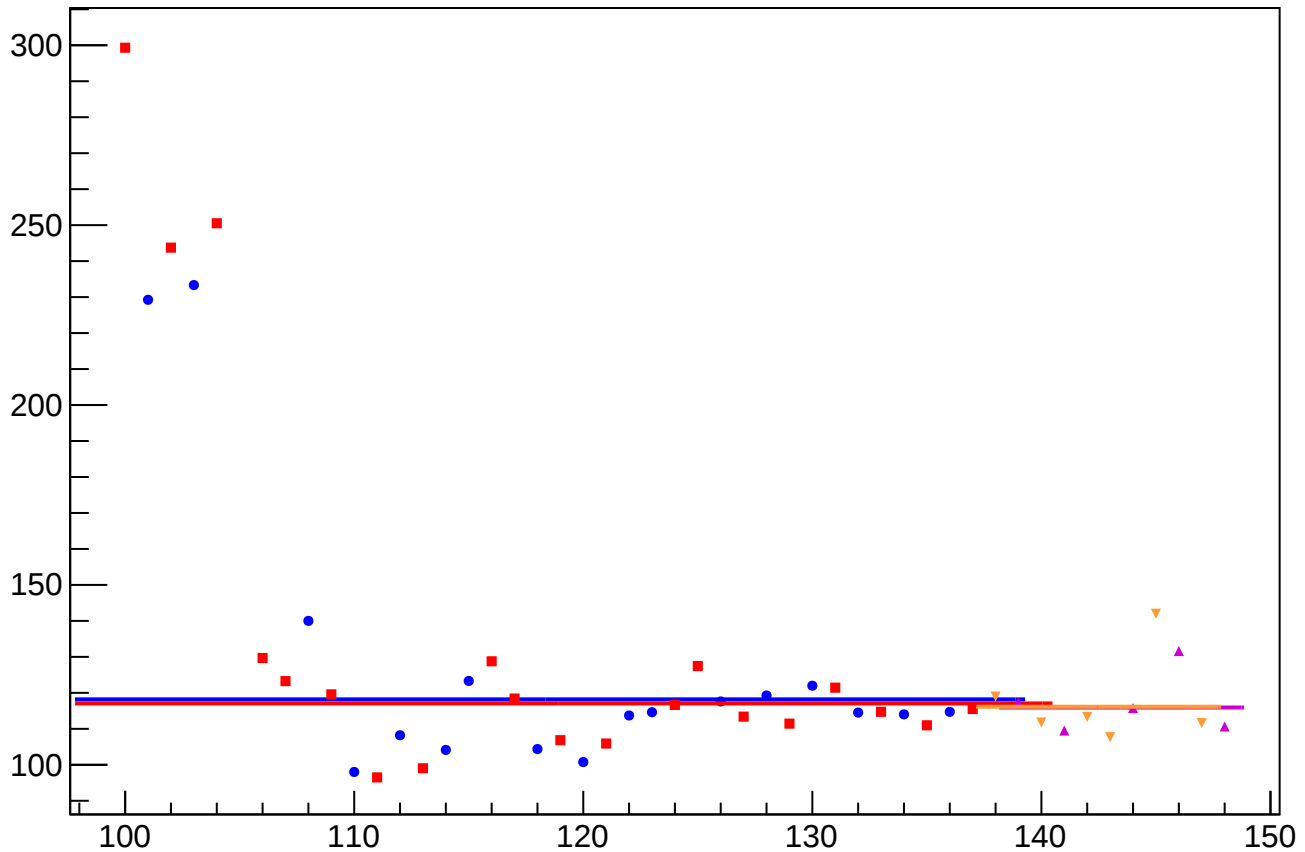
Left In: -5923.029 $\pm$ 58.909 χ^2/NDF : 5370.5/4

-5213.776 $\pm$ 37.144 χ^2/NDF : 49296.3/22

-4174.563 $\pm$ 25.988 χ^2/NDF : 67746.8/47

-3177.959 $\pm$ 36.375 χ^2/NDF : 16917.1/24

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.188 ± 0.034 $\chi^2/\text{NDF}: 636252.0/16$

Left Out: 116.139 ± 0.041 $\chi^2/\text{NDF}: 63477.2/5$

Right Out: 117.054 ± 0.033 $\chi^2/\text{NDF}: 690646.8/19$

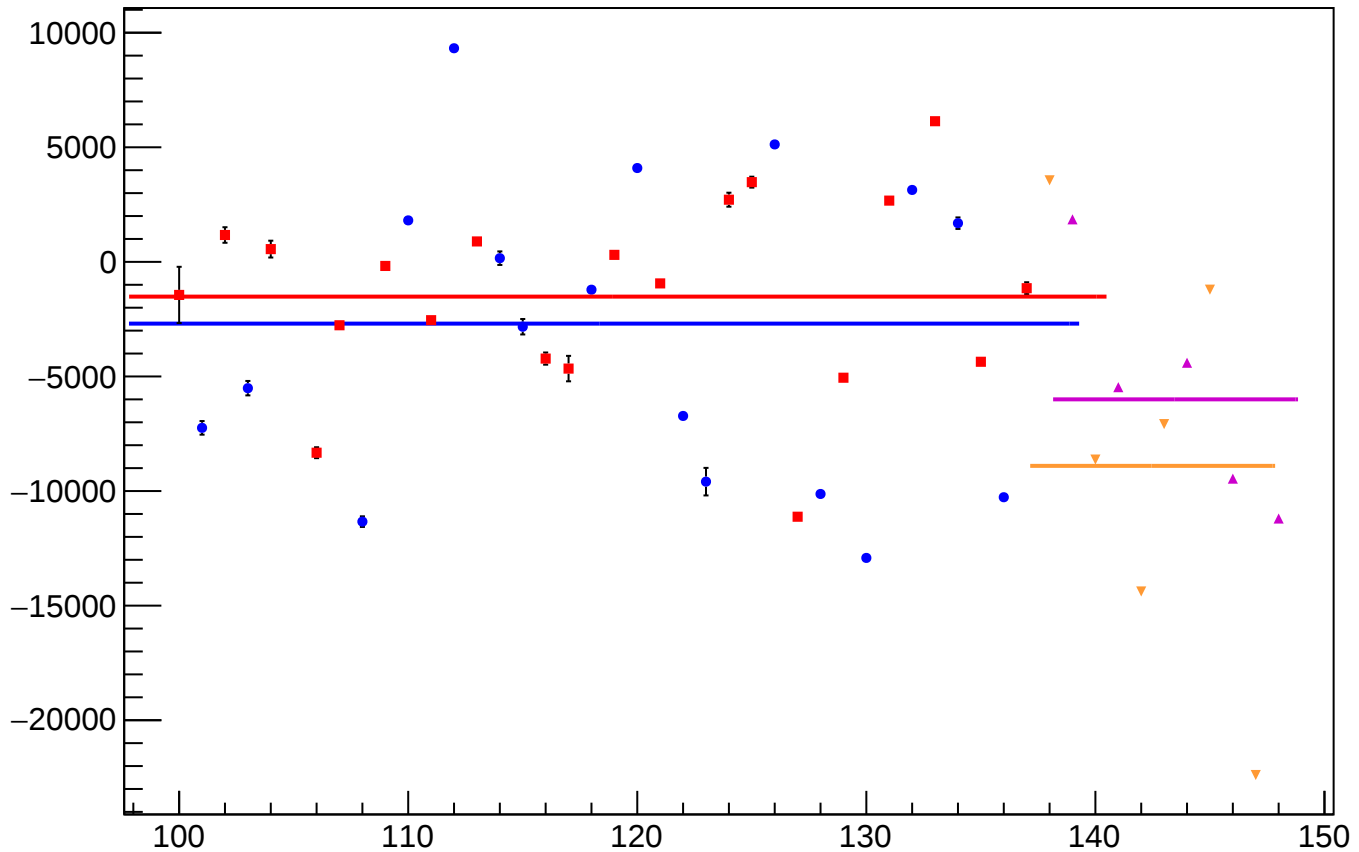
Left In: 115.923 ± 0.042 $\chi^2/\text{NDF}: 32049.9/4$

117.351 ± 0.026 $\chi^2/\text{NDF}: 701200.3/22$

116.980 ± 0.018 $\chi^2/\text{NDF}: 1424746.3/47$

116.623 ± 0.026 $\chi^2/\text{NDF}: 723153.3/24$

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2694.260 ± 46.347 $\chi^2/\text{NDF}: 22860.3/16$

Left Out: -8901.335 ± 56.153 $\chi^2/\text{NDF}: 24325.7/5$

Right Out: -1515.863 ± 44.303 $\chi^2/\text{NDF}: 8749.3/19$

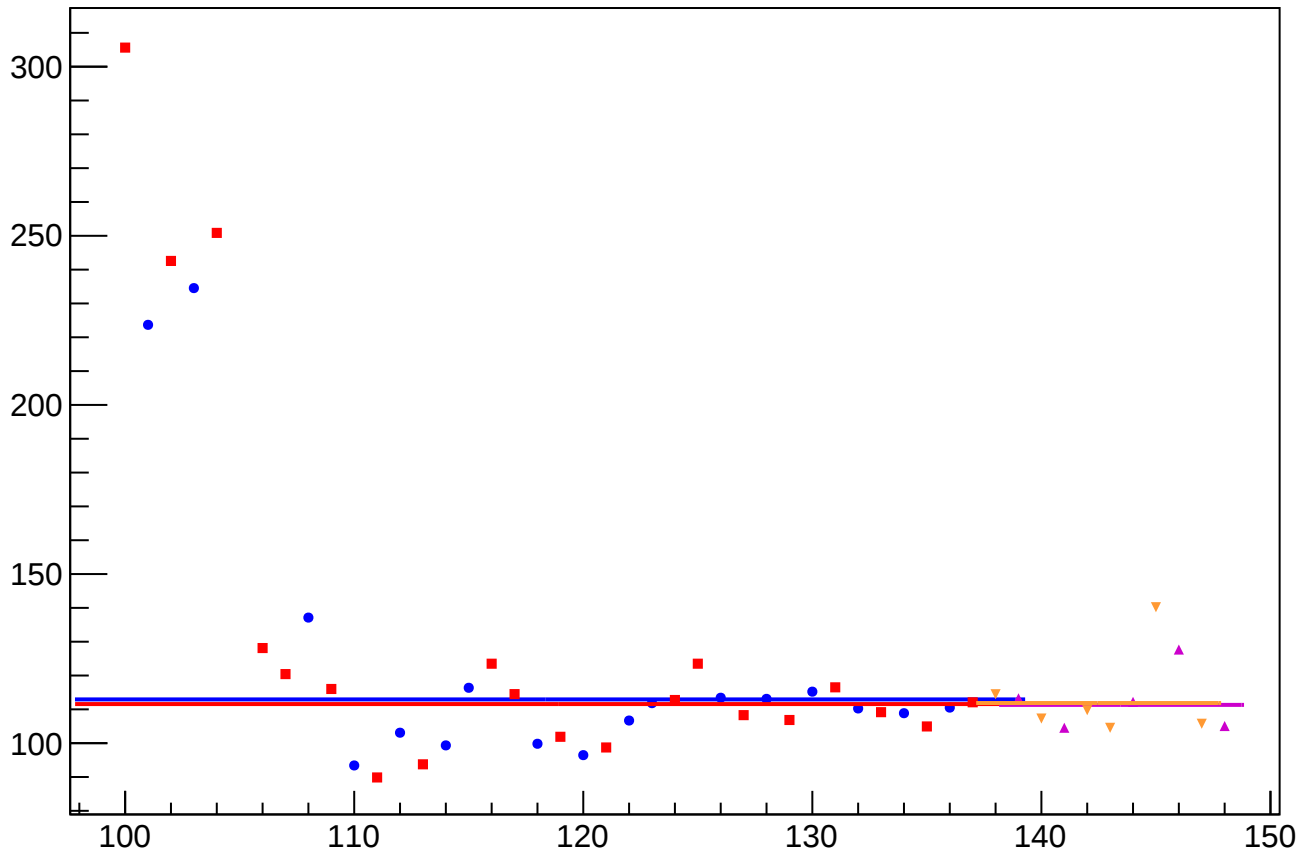
Left In: -5999.198 ± 56.697 $\chi^2/\text{NDF}: 5816.0/4$

-5209.398 ± 35.744 $\chi^2/\text{NDF}: 54453.9/22$

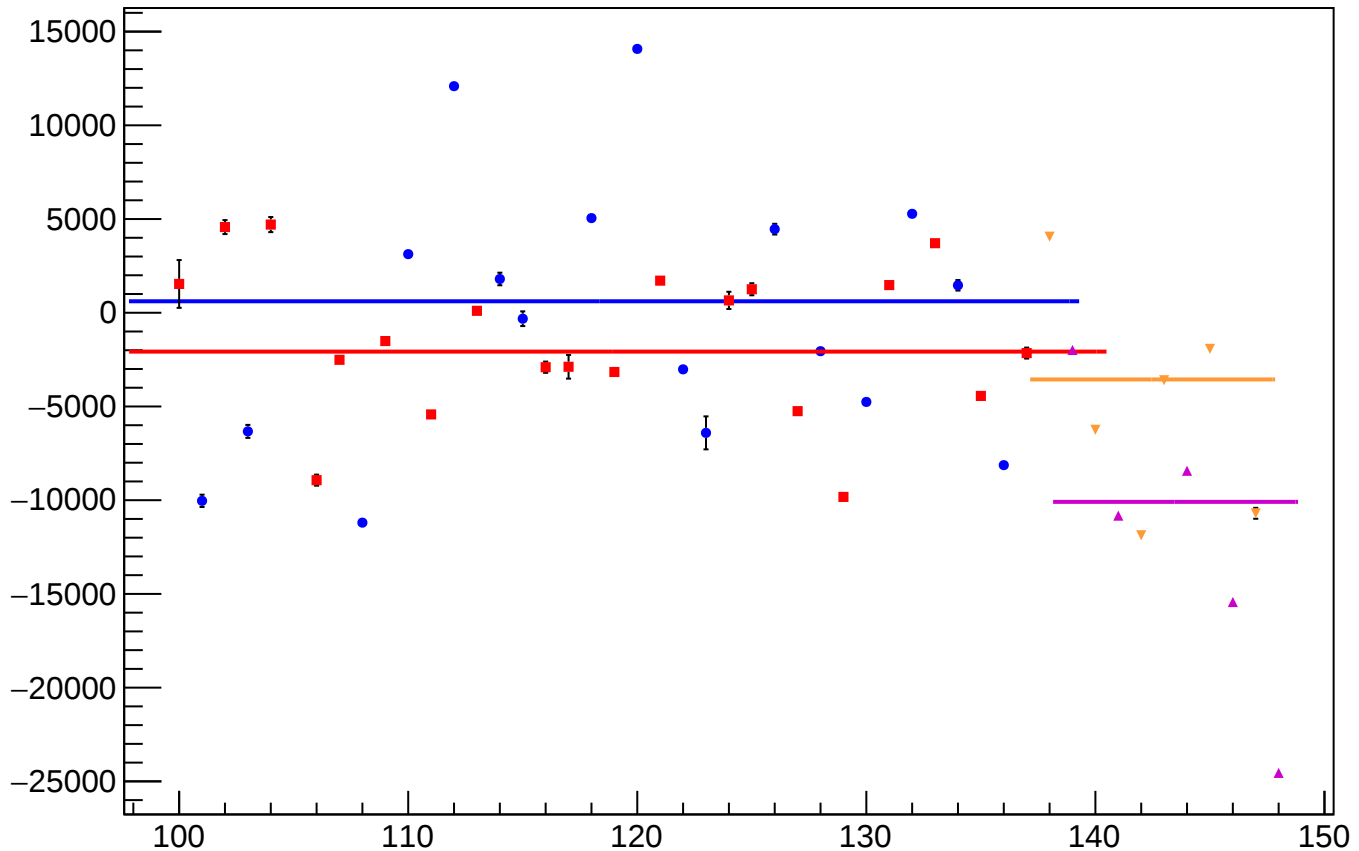
-4188.905 ± 24.975 $\chi^2/\text{NDF}: 74494.1/47$

-3215.530 ± 34.909 $\chi^2/\text{NDF}: 18447.7/24$

asym_bpm2i02WS_rms vs Slug, Sign Corrected



asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -3557.997 ± 78.735 $\chi^2/\text{NDF}: 4550.6/5$

Right Out: -2073.278 ± 53.736 $\chi^2/\text{NDF}: 4644.3/19$

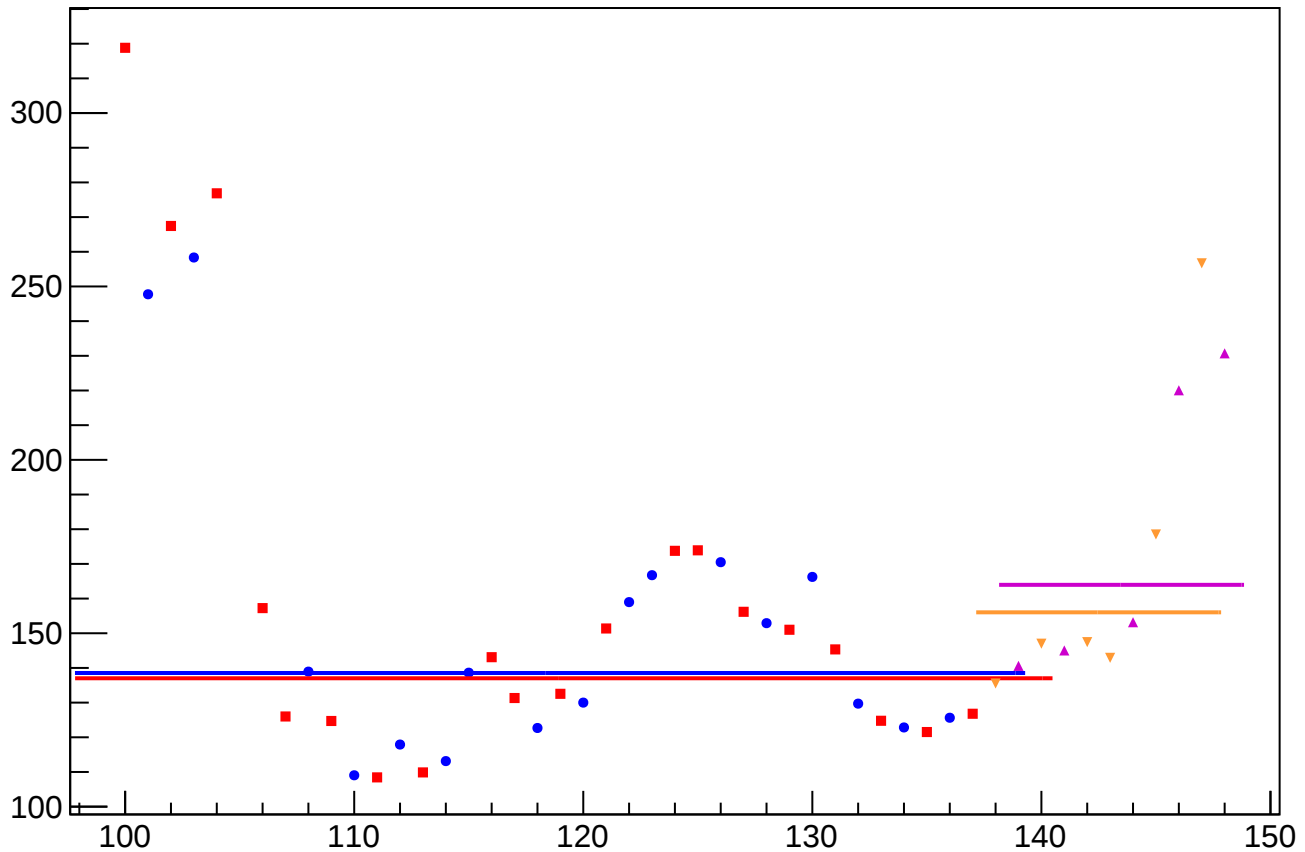
Left In: -10088.706 ± 84.471 $\chi^2/\text{NDF}: 5834.4/4$

-790.470 ± 45.668 $\chi^2/\text{NDF}: 24655.9/22$

-2599.454 ± 32.175 $\chi^2/\text{NDF}: 44660.4/47$

-4382.499 ± 45.339 $\chi^2/\text{NDF}: 16888.8/24$

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 156.033 $\pm$ 0.056 χ^2 /NDF: 315889.1/5

Right Out: 137.019 $\pm$ 0.038 χ^2 /NDF: 755655.0/19

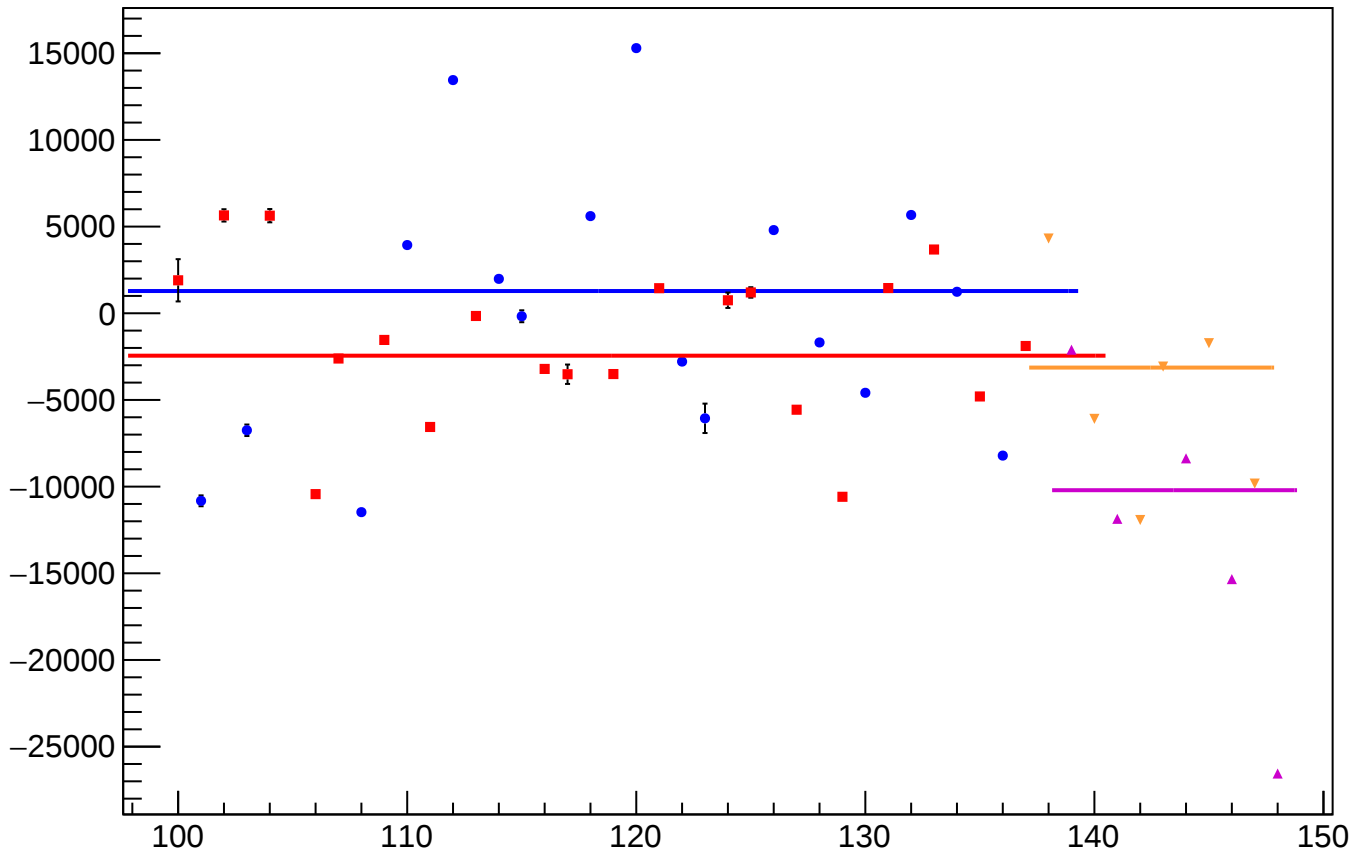
Left In: 163.961 $\pm$ 0.060 χ^2 /NDF: 308497.5/4

144.426 $\pm$ 0.032 χ^2 /NDF: 1050329.3/22

144.605 $\pm$ 0.023 χ^2 /NDF: 2259378.3/47

144.781 $\pm$ 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: -3133.113+/-69.948 χ^2/NDF : 5923.2/5

Right Out: -2446.970+/-44.148 χ^2/NDF : 7681.2/19

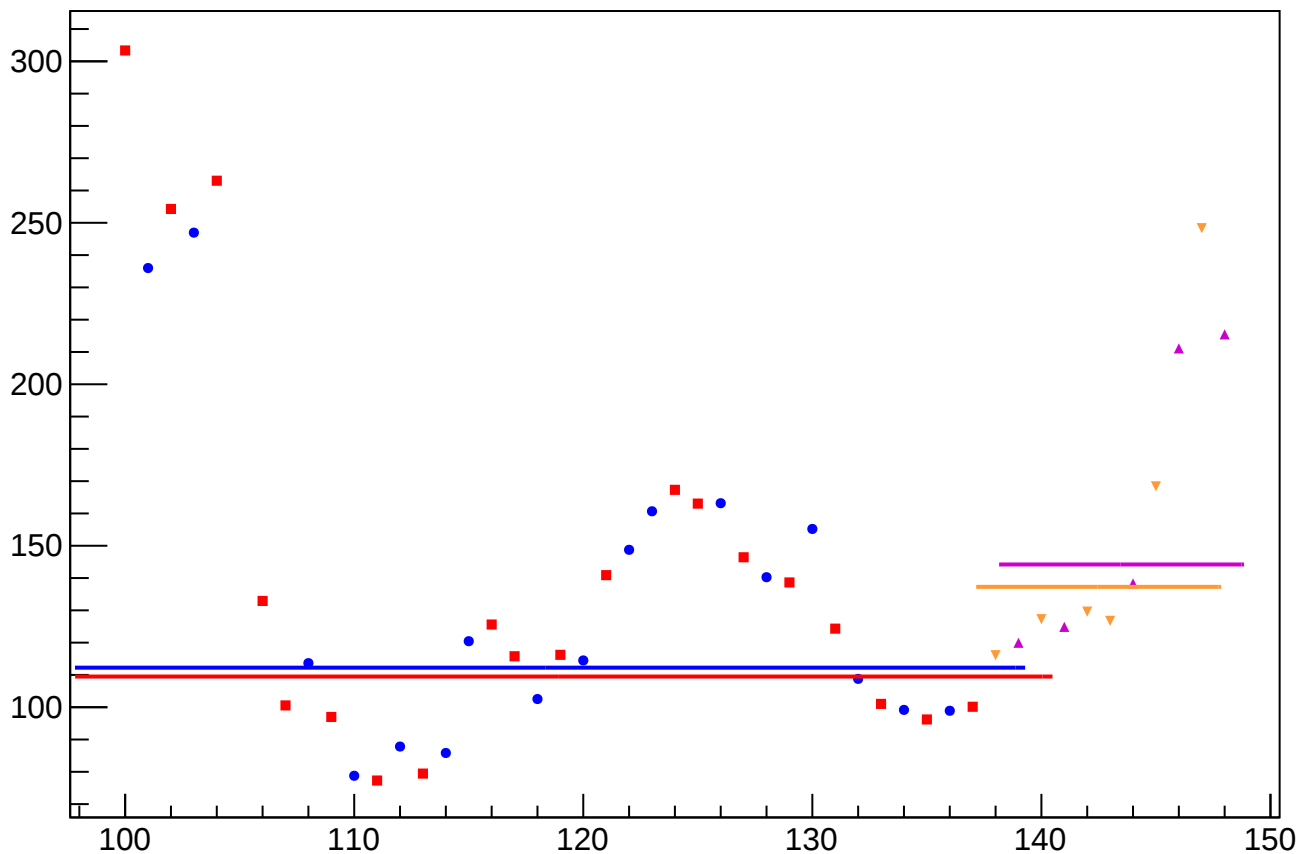
Left In: -10206.814+/-75.158 χ^2/NDF : 8133.7/4

-73.395+/-38.766 χ^2/NDF : 39225.6/22

-2295.200+/-27.161 χ^2/NDF : 69418.1/47

-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: 137.272 +/- 0.049 χ^2/NDF : 431135.4/5

Right Out: 109.500 +/- 0.031 χ^2/NDF : 1269887.8/19

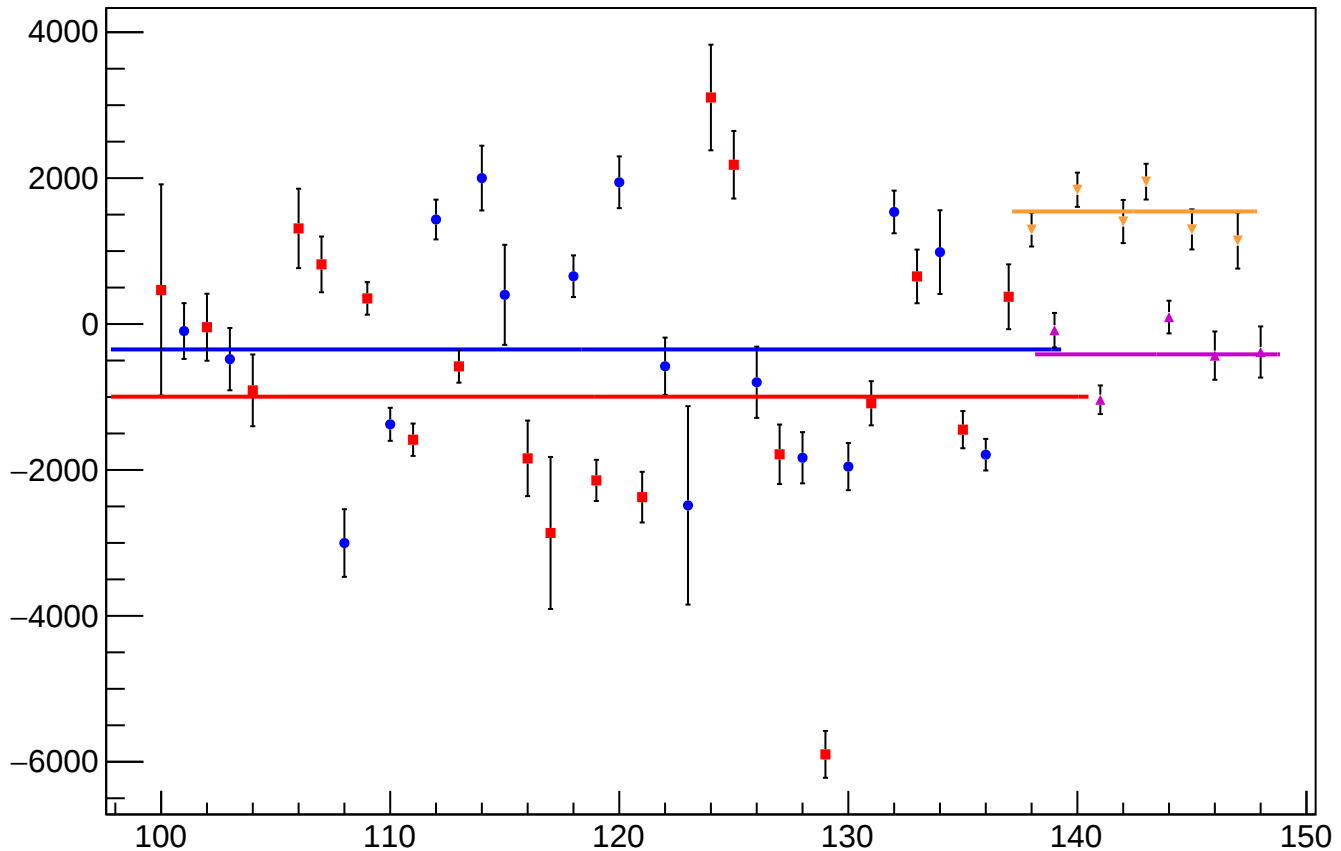
Left In: 144.198 +/- 0.053 χ^2/NDF : 425472.0/4

119.936 +/- 0.027 χ^2/NDF : 1733988.5/22

119.154 +/- 0.019 χ^2/NDF : 3747878.8/47

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: 1543.397+/-108.466 χ^2/NDF : 7.7/5

Right Out: -995.622+/-77.468 χ^2/NDF : 479.8/19

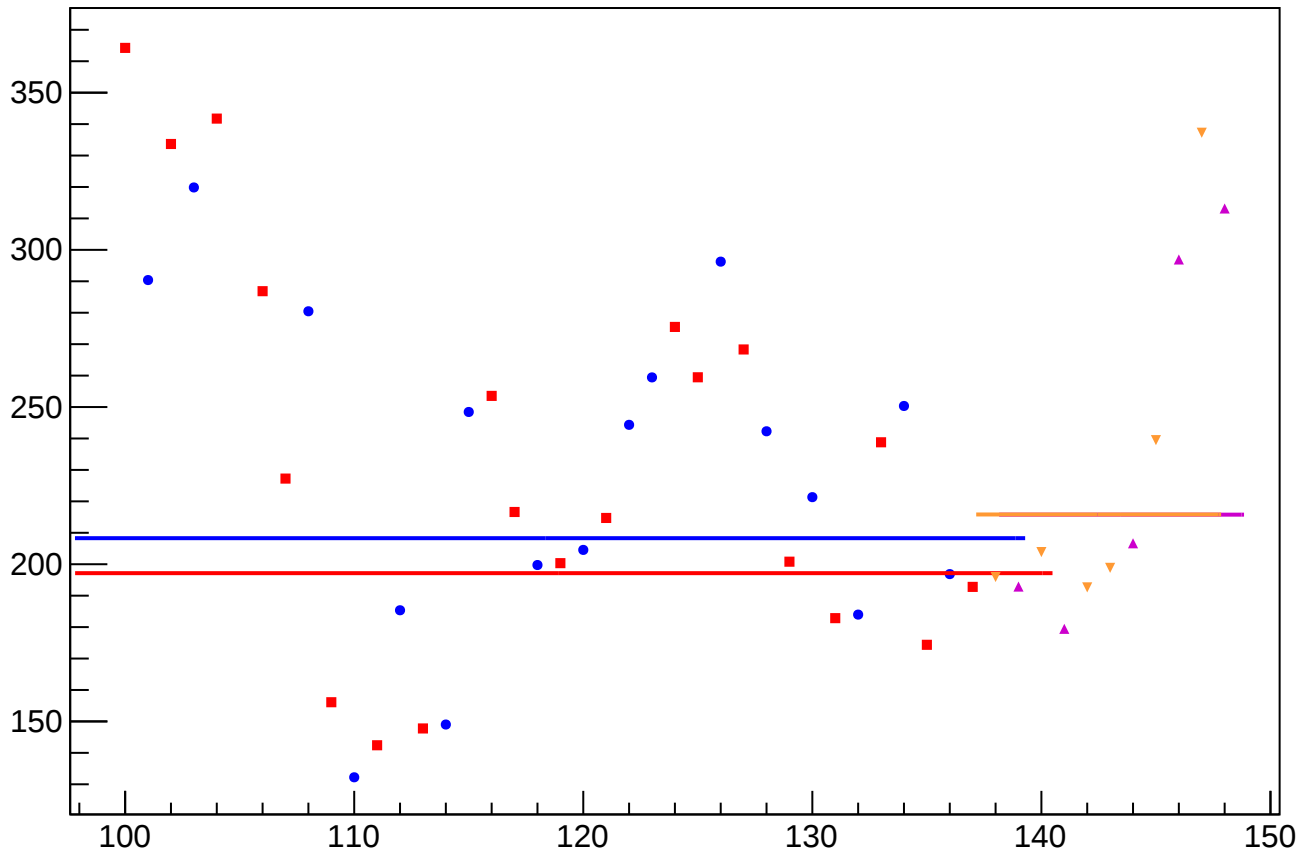
Left In: -415.304+/-111.112 χ^2/NDF : 17.2/4

359.225+/-66.327 χ^2/NDF : 515.3/22

-248.209+/-45.886 χ^2/NDF : 1191.6/47

-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: 215.828 $\pm$ 0.077 χ^2/NDF : 256959.6/5

Right Out: 197.159 $\pm$ 0.055 χ^2/NDF : 927487.8/19

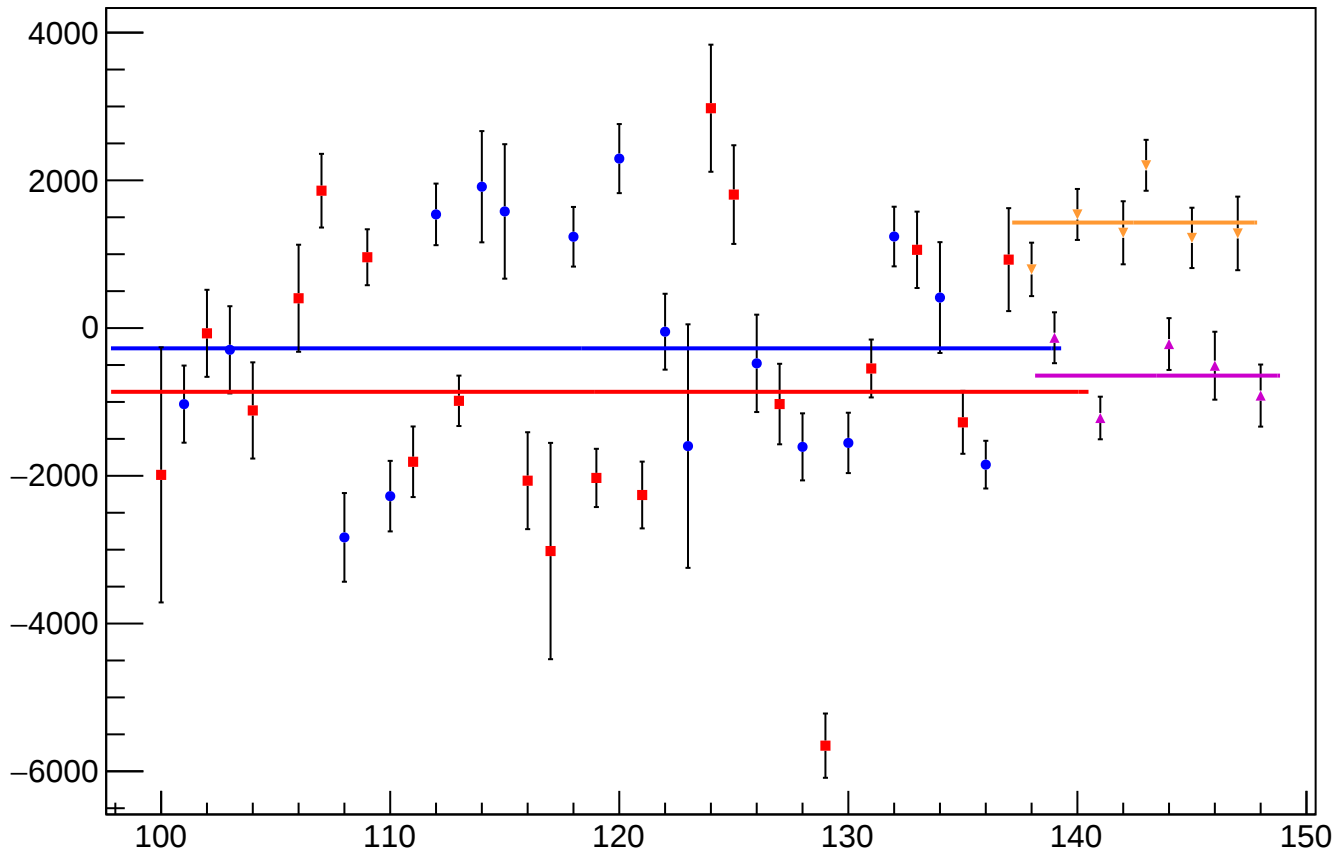
Left In: 215.770 $\pm$ 0.079 χ^2/NDF : 365249.8/4

211.107 $\pm$ 0.047 χ^2/NDF : 961501.9/22

207.009 $\pm$ 0.032 χ^2/NDF : 2306642.4/47

203.247 $\pm$ 0.045 χ^2/NDF : 1330495.8/24

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -274.260 ± 121.326 χ^2/NDF : 171.6/16

Left Out: 1428.547 ± 158.177 χ^2/NDF : 8.7/5

Right Out: -862.791 ± 114.993 χ^2/NDF : 265.4/19

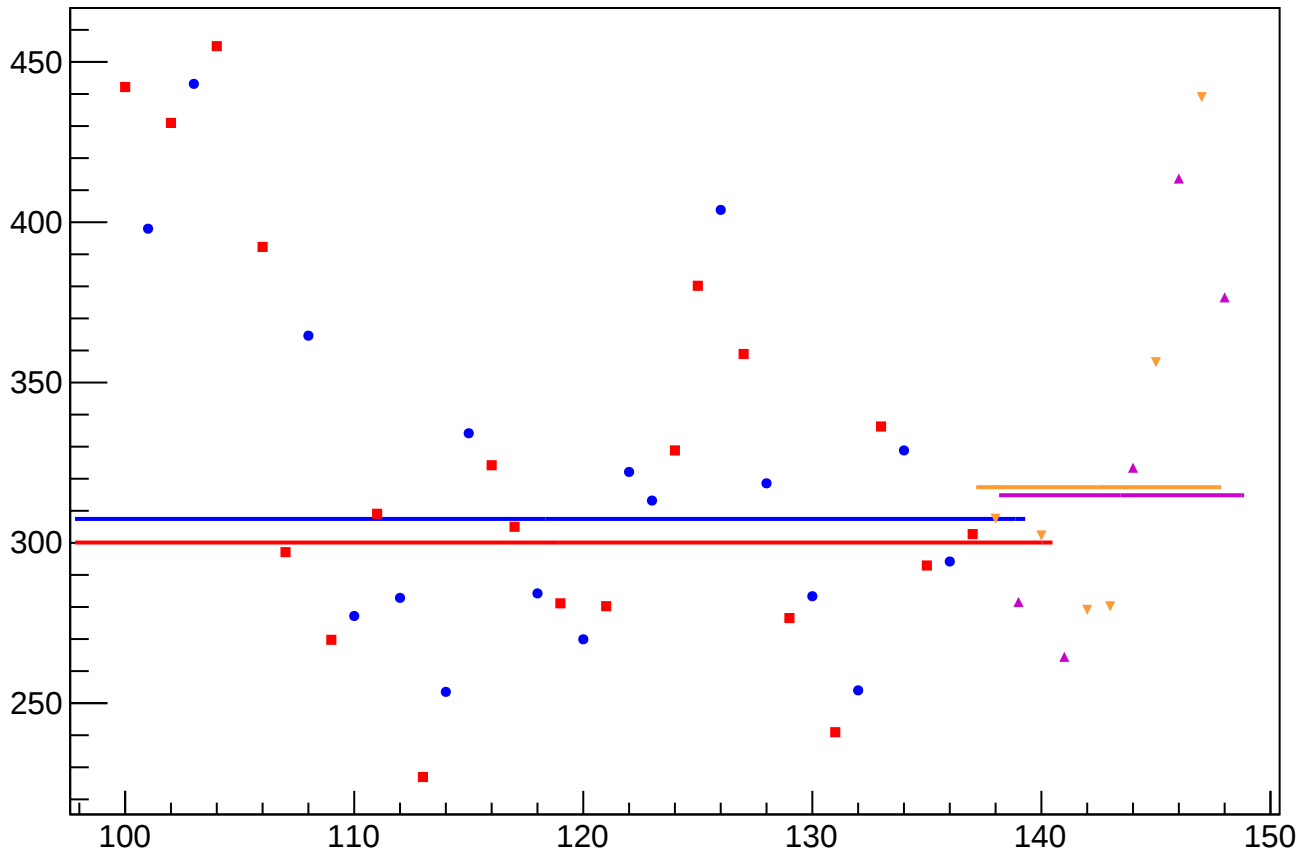
Left In: -643.498 ± 160.189 χ^2/NDF : 8.2/4

356.470 ± 96.268 χ^2/NDF : 253.2/22

-233.086 ± 67.041 χ^2/NDF : 600.9/47

-788.215 ± 93.415 χ^2/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: 317.361+/-0.112 χ^2/NDF : 182107.9/5

Right Out: 300.100+/-0.081 χ^2/NDF : 490421.6/19

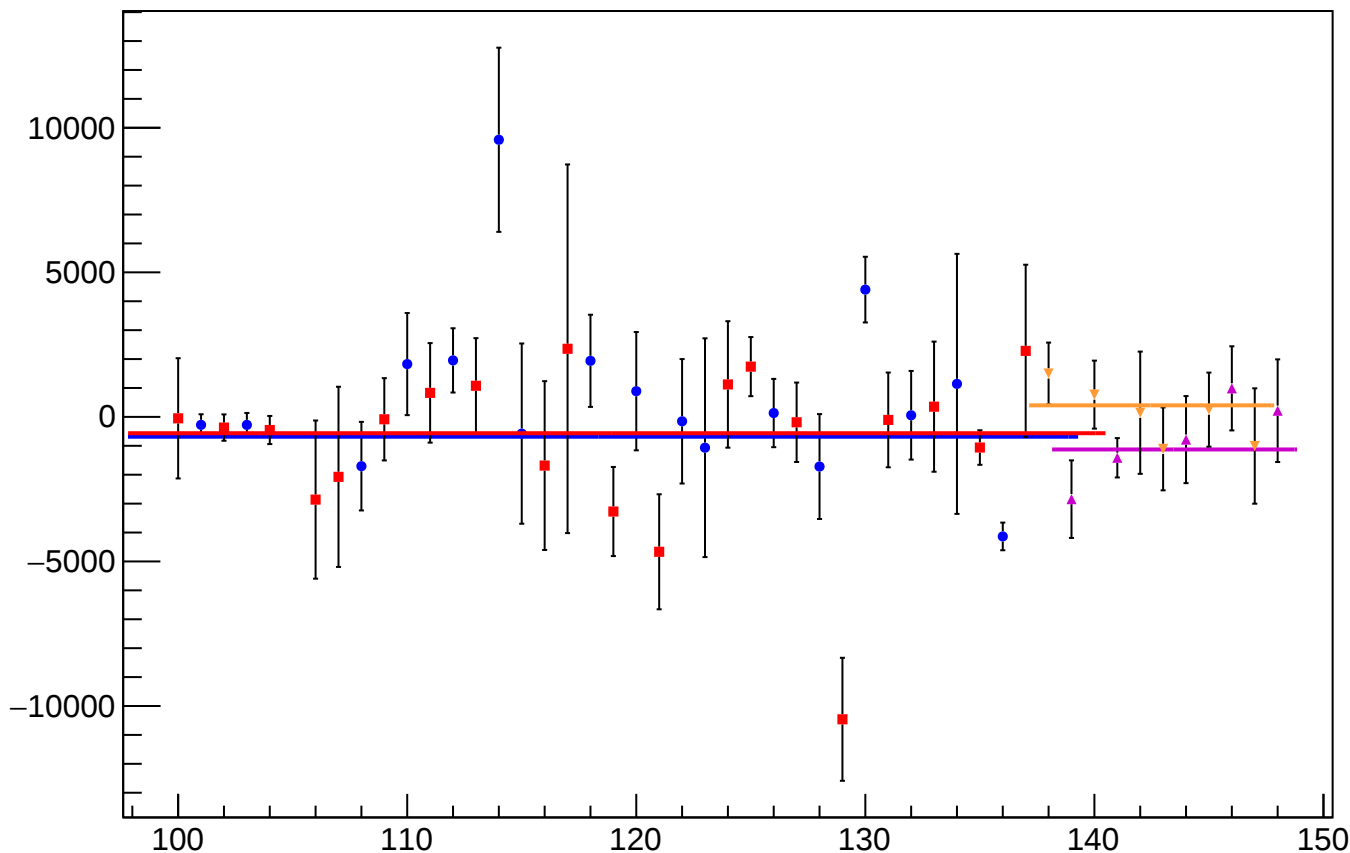
Left In: 314.855+/-0.113 χ^2/NDF : 216358.2/4

311.132+/-0.068 χ^2/NDF : 510130.4/22

308.035+/-0.047 χ^2/NDF : 1232129.1/47

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: 399.558+/-561.648 χ^2/NDF : 2.8/5

Right Out: -564.400+/-243.074 χ^2/NDF : 39.9/19

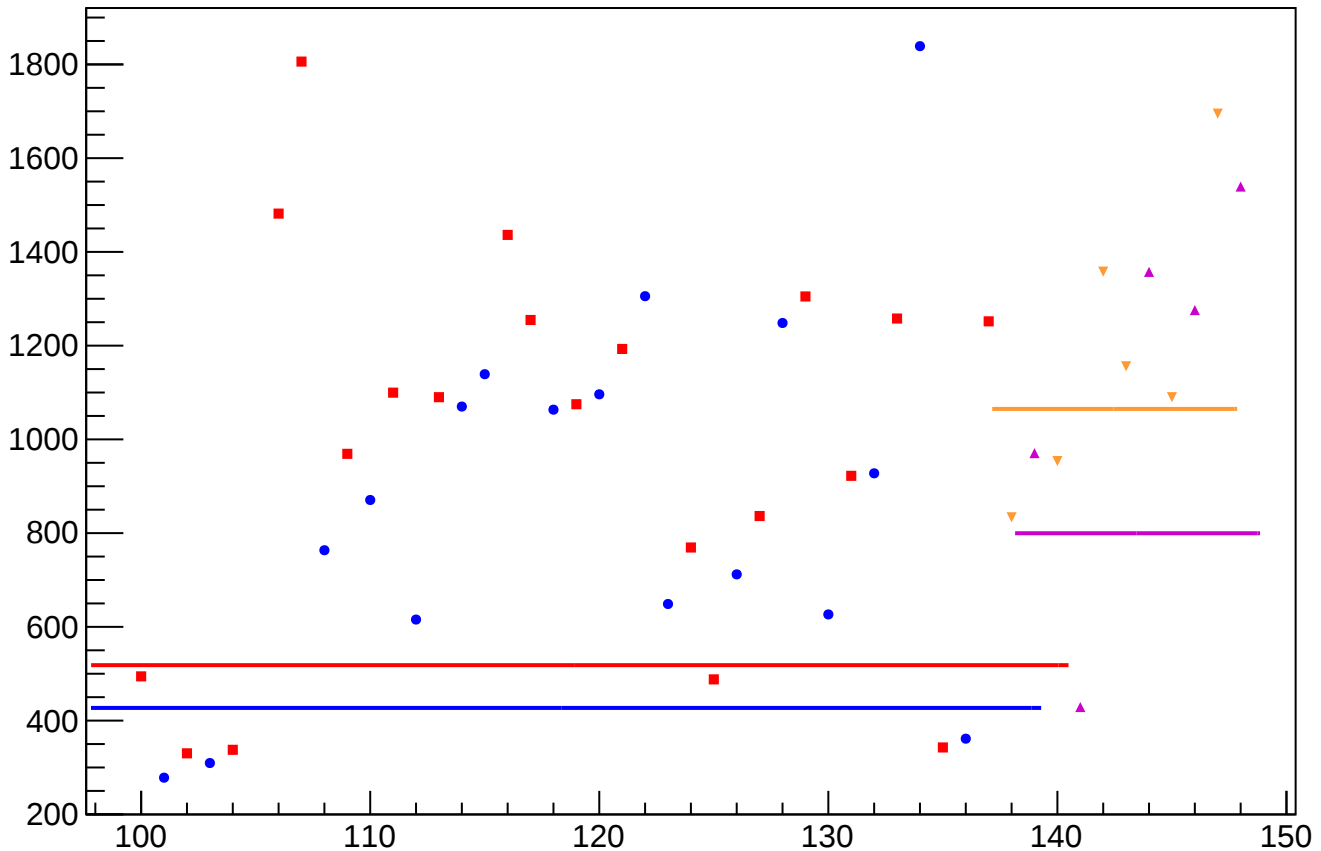
Left In: -1126.823+/-503.459 χ^2/NDF : 4.6/4

-551.645+/-196.980 χ^2/NDF : 103.4/22

-604.924+/-146.423 χ^2/NDF : 149.1/47

-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: 1065.037+/-0.397 χ^2/NDF : 358224.9/5

Right Out: 518.306+/-0.172 χ^2/NDF : 3631833.9/19

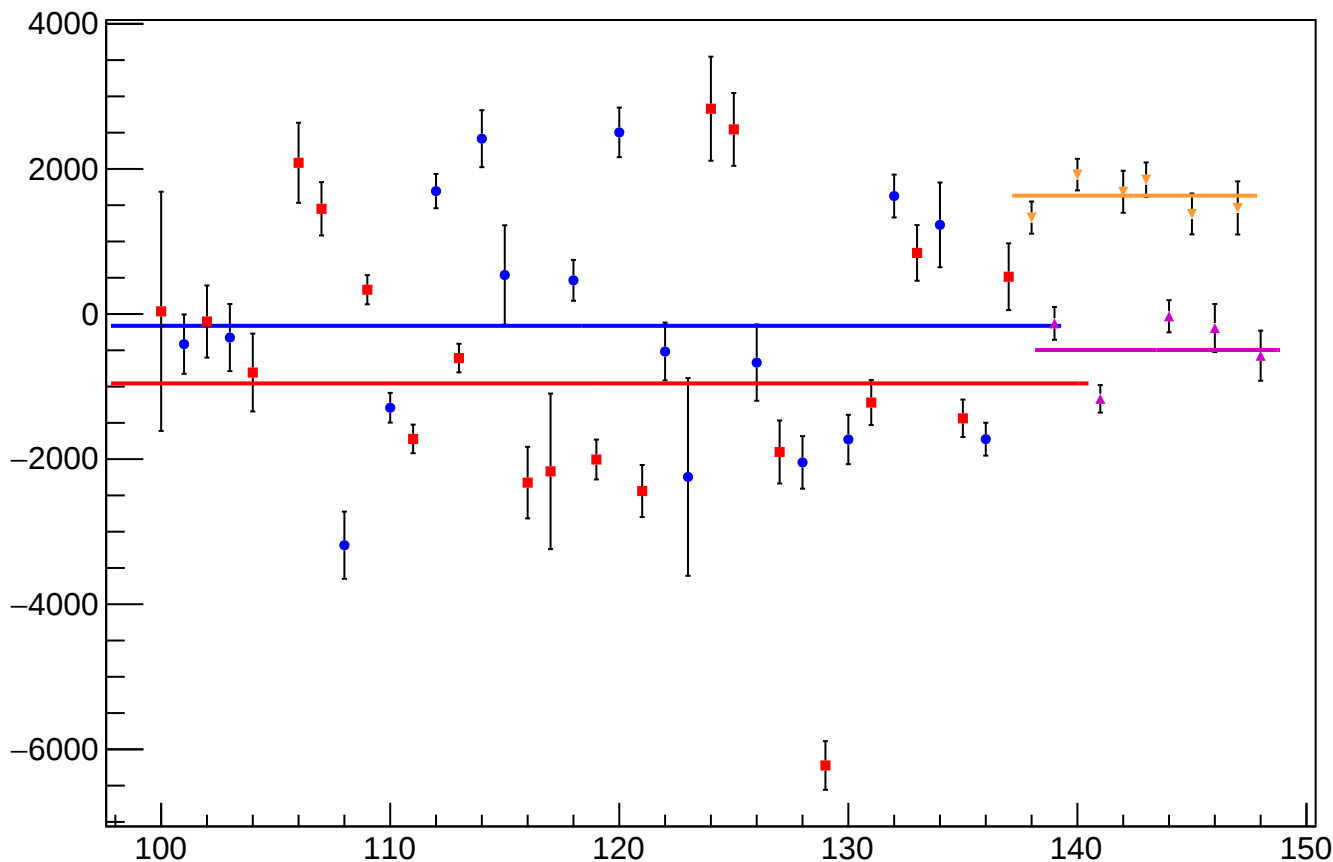
Left In: 799.750+/-0.356 χ^2/NDF : 1461871.8/4

505.550+/-0.139 χ^2/NDF : 5486893.7/22

535.064+/-0.104 χ^2/NDF : 11187799.8/47

571.510+/-0.155 χ^2/NDF : 5600562.7/24

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -162.333 $\pm$ 82.350 χ^2/NDF : 387.6/16

Left Out: 1632.032 $\pm$ 104.860 χ^2/NDF : 5.5/5

Right Out: -956.044 $\pm$ 74.949 χ^2/NDF : 541.1/19

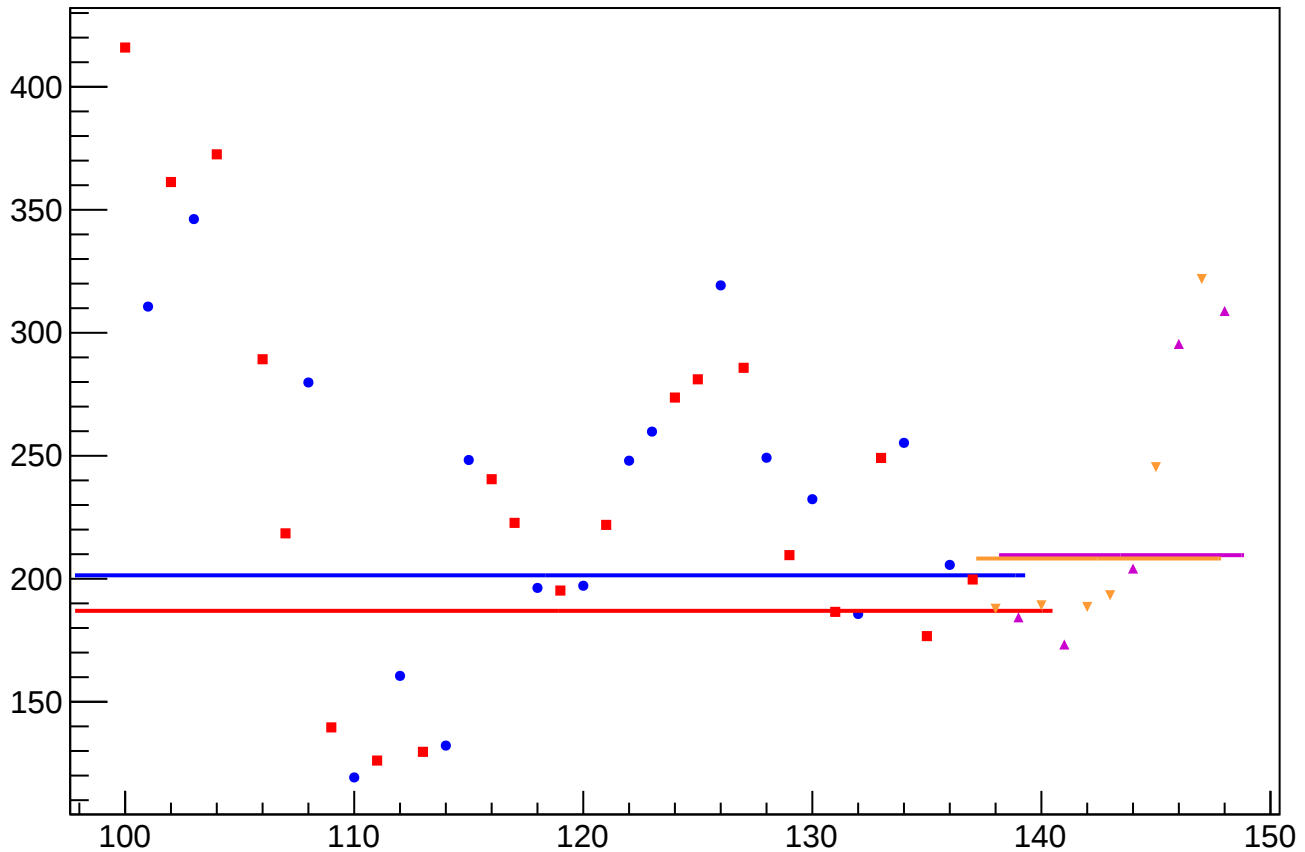
Left In: -495.679 $\pm$ 108.326 χ^2/NDF : 20.5/4

522.174 $\pm$ 64.765 χ^2/NDF : 574.2/22

-175.316 $\pm$ 44.648 χ^2/NDF : 1369.0/47

-807.009 $\pm$ 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: 208.245 $\pm$ 0.074 χ^2/NDF : 276378.3/5

Right Out: 186.973 $\pm$ 0.053 χ^2/NDF : 1395397.8/19

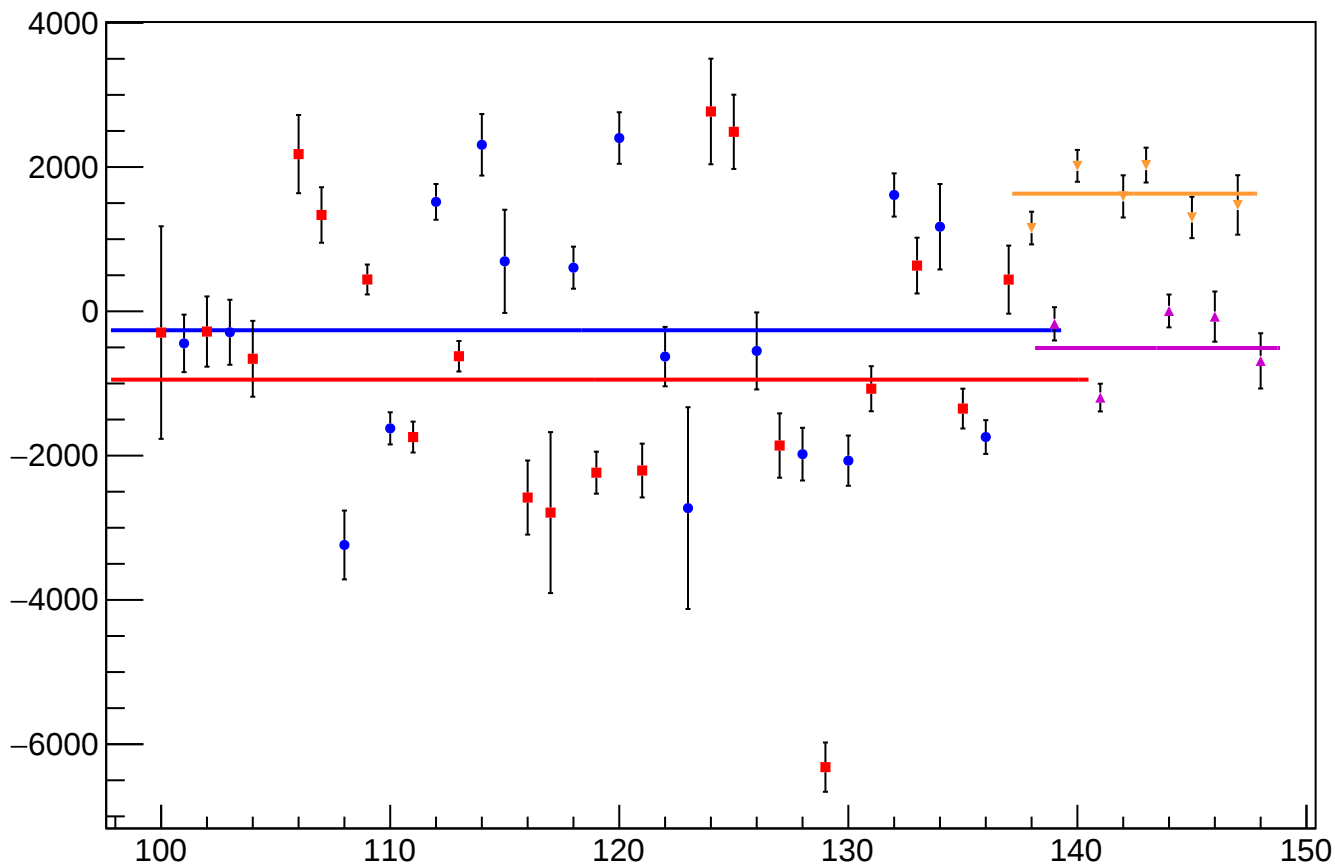
Left In: 209.603 $\pm$ 0.077 χ^2/NDF : 399270.0/4

204.017 $\pm$ 0.046 χ^2/NDF : 1337657.2/22

198.917 $\pm$ 0.032 χ^2/NDF : 3214979.1/47

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: 1630.938+/-107.307 χ^2/NDF : 11.6/5

Right Out: -946.785+/-78.241 χ^2/NDF : 524.6/19

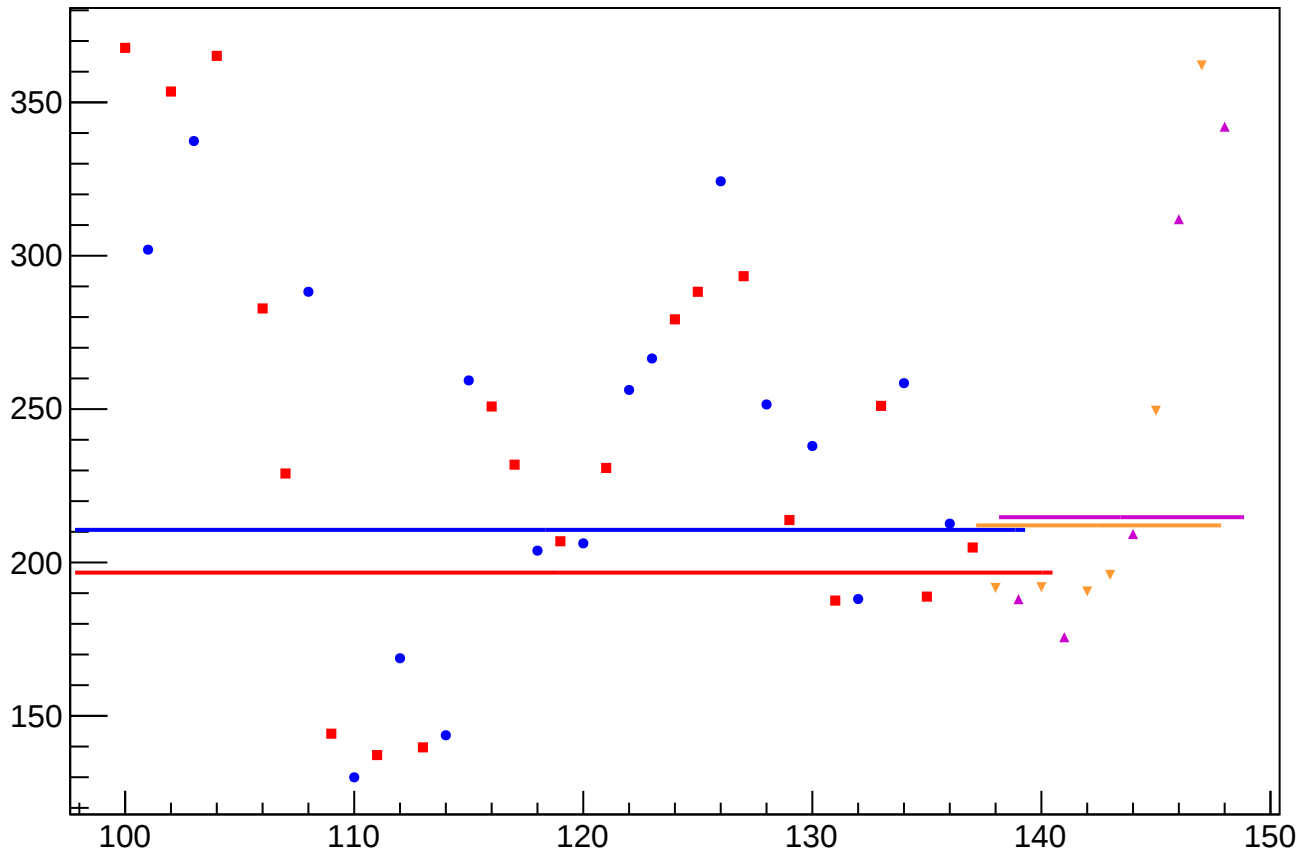
Left In: -508.484+/-111.567 χ^2/NDF : 21.8/4

472.174+/-66.837 χ^2/NDF : 570.9/22

-192.101+/-46.247 χ^2/NDF : 1317.2/47

-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: 212.090 +/- 0.076 χ^2/NDF : 351299.2/5

Right Out: 196.702 +/- 0.055 χ^2/NDF : 1207089.6/19

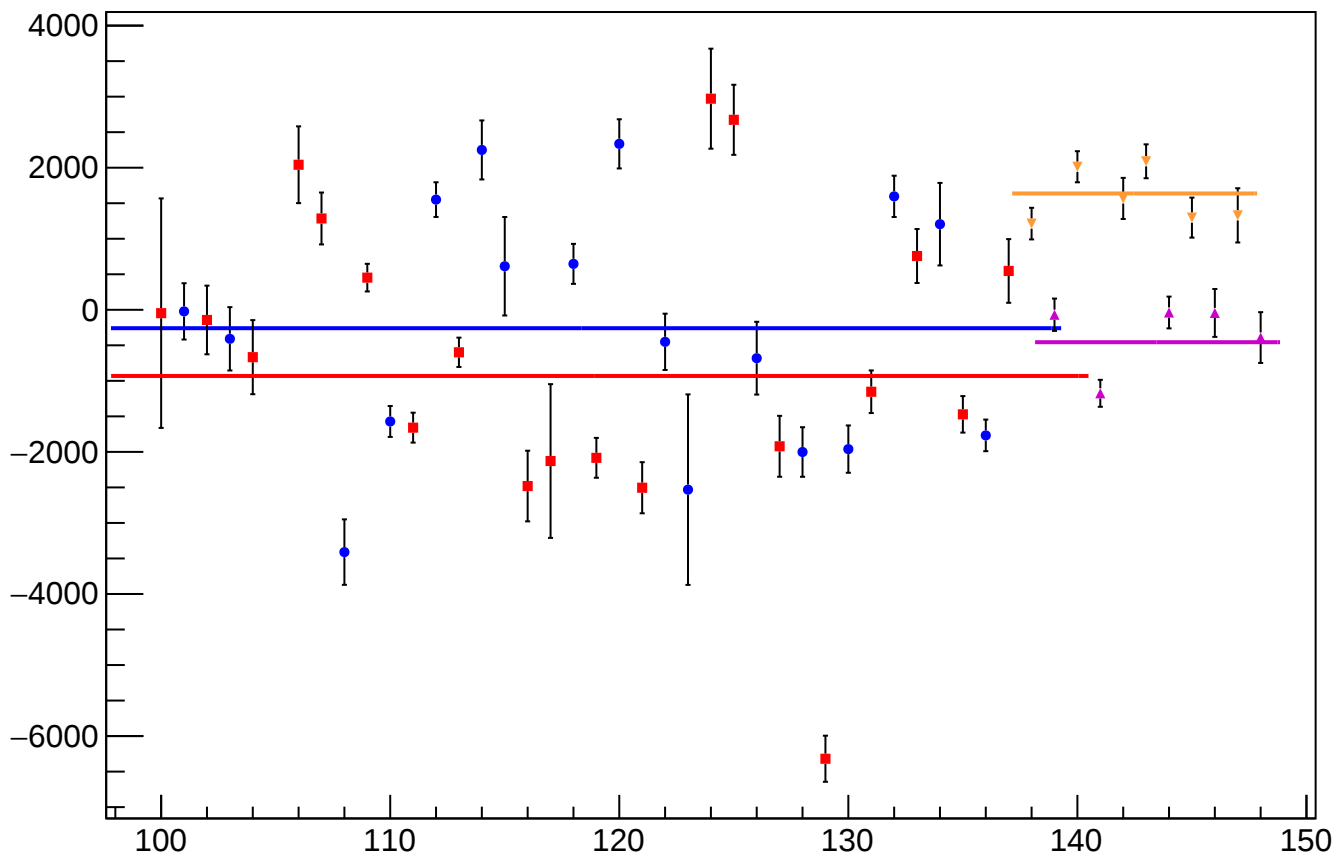
Left In: 214.768 +/- 0.079 χ^2/NDF : 487742.4/4

211.200 +/- 0.047 χ^2/NDF : 1227300.4/22

206.748 +/- 0.033 χ^2/NDF : 2974311.6/47

202.658 +/- 0.045 χ^2/NDF : 1729983.6/24

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -259.139 $\pm$ 82.802 χ^2/NDF : 391.2/16

Left Out: 1637.350 $\pm$ 105.359 χ^2/NDF : 12.4/5

Right Out: -931.363 $\pm$ 75.320 χ^2/NDF : 583.1/19

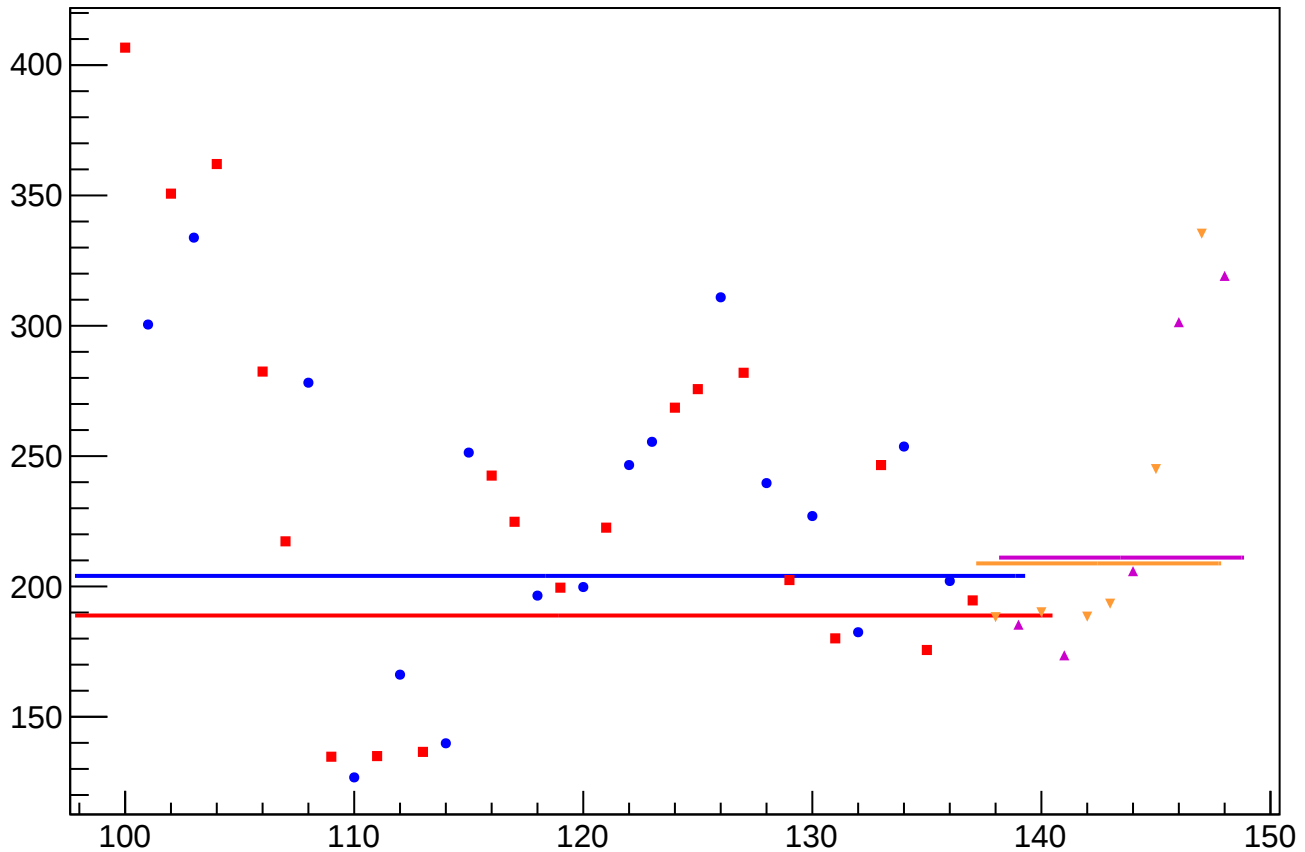
Left In: -455.965 $\pm$ 109.286 χ^2/NDF : 22.3/4

464.972 $\pm$ 65.103 χ^2/NDF : 603.9/22

-186.802 $\pm$ 44.904 χ^2/NDF : 1413.3/47

-778.269 $\pm$ 62.018 χ^2/NDF : 618.2/24

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 204.051 +/- 0.059 χ^2/NDF : 868423.0/16

Left Out: 208.844 +/- 0.075 χ^2/NDF : 302840.3/5

Right Out: 188.856 +/- 0.053 χ^2/NDF : 1253327.1/19

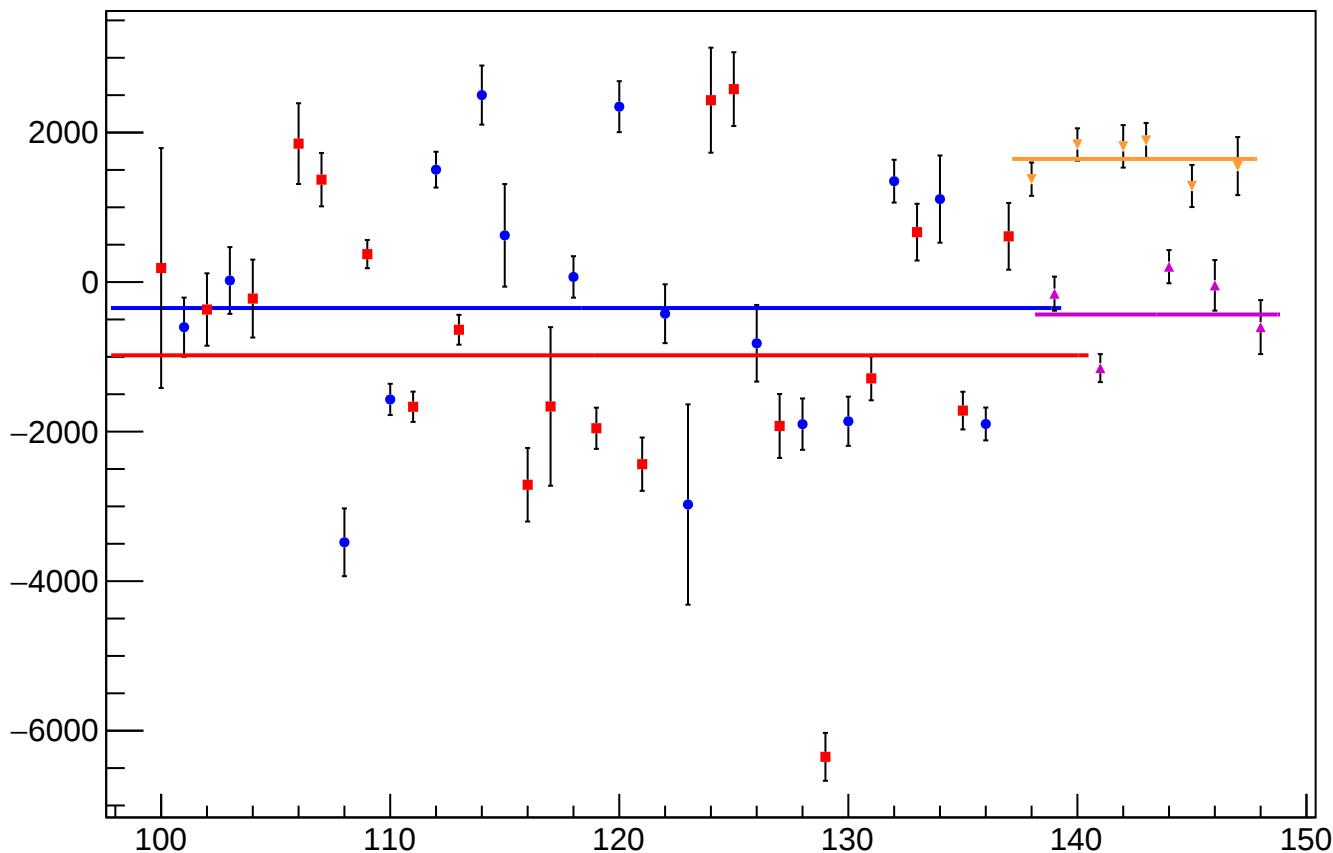
Left In: 211.071 +/- 0.077 χ^2/NDF : 431295.3/4

205.881 +/- 0.046 χ^2/NDF : 1173821.4/22

200.706 +/- 0.032 χ^2/NDF : 2938577.4/47

196.010 +/- 0.044 χ^2/NDF : 1740649.3/24

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.240 $\pm$ 81.318 χ^2 /NDF: 399.1/16

Left Out: 1647.066 $\pm$ 104.655 χ^2 /NDF: 5.4/5

Right Out: -979.606 $\pm$ 73.710 χ^2 /NDF: 586.1/19

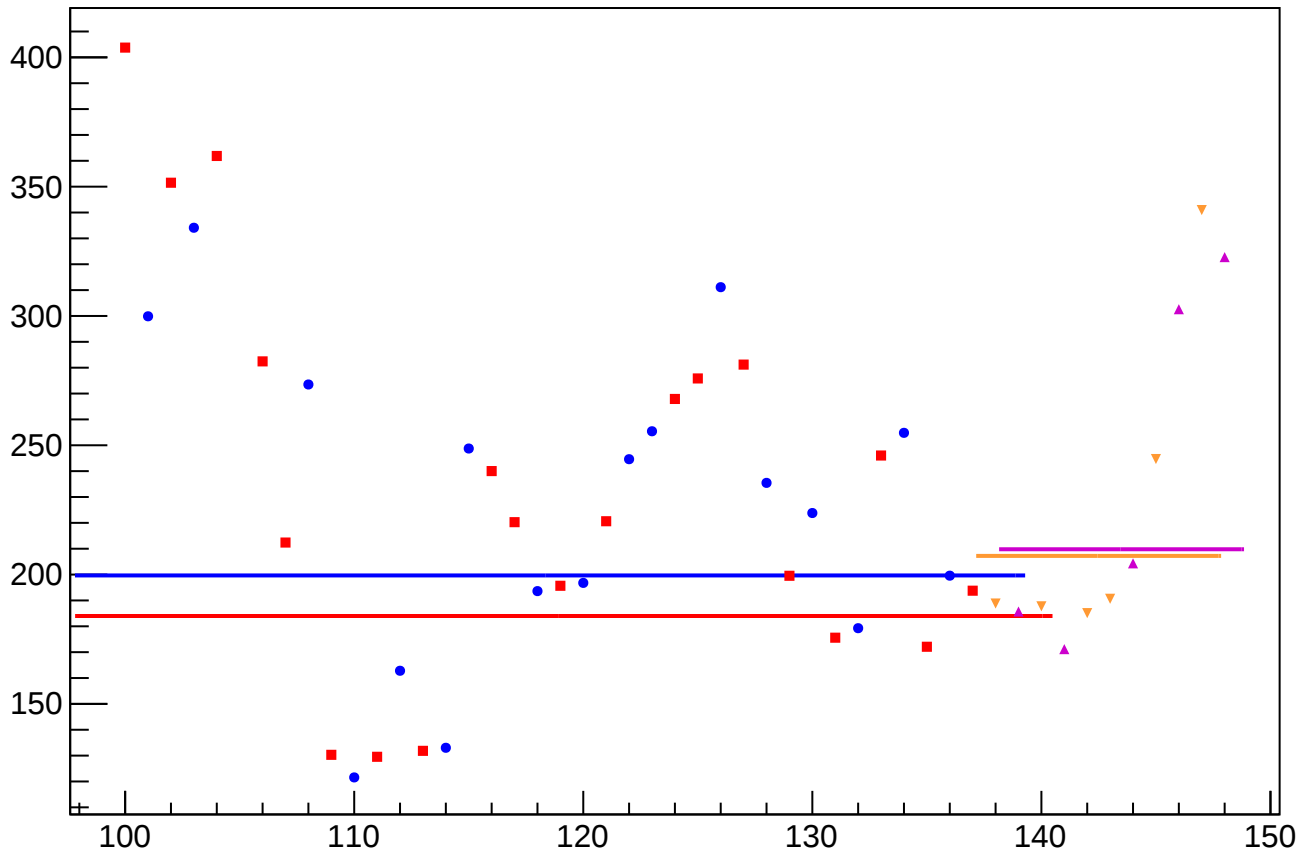
Left In: -433.588 $\pm$ 108.790 χ^2 /NDF: 26.0/4

403.533 $\pm$ 64.212 χ^2 /NDF: 630.9/22

-232.972 $\pm$ 44.234 χ^2 /NDF: 1447.3/47

-807.813 $\pm$ 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: 207.223+/-0.074 χ^2/NDF : 324950.3/5

Right Out: 183.984+/-0.052 χ^2/NDF : 1351978.1/19

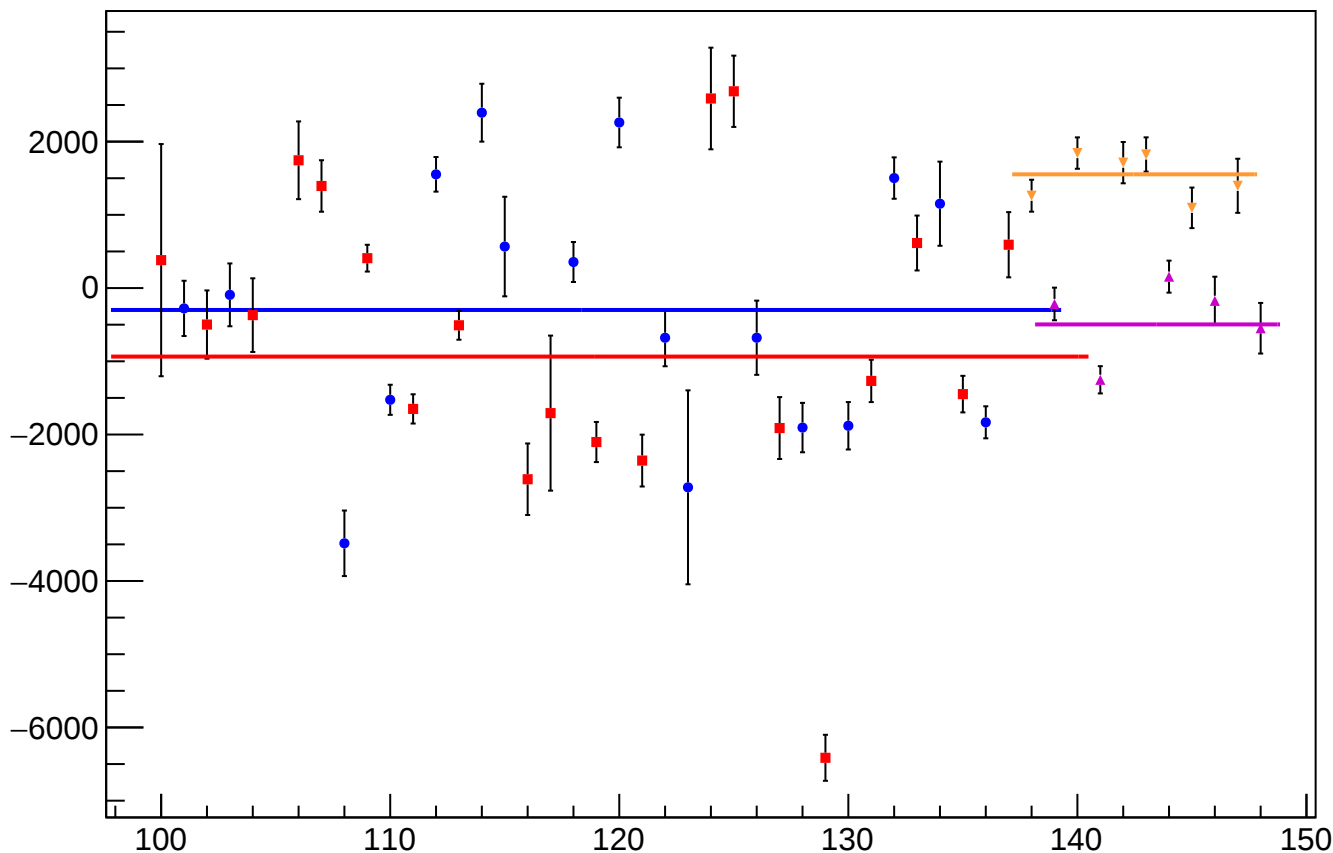
Left In: 209.792+/-0.077 χ^2/NDF : 454777.9/4

202.513+/-0.045 χ^2/NDF : 1274603.3/22

197.044+/-0.031 χ^2/NDF : 3186109.4/47

192.104+/-0.043 χ^2/NDF : 1883891.7/24

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -298.963 ± 80.162 $\chi^2/\text{NDF}: 406.6/16$

Left Out: 1553.398 ± 103.157 $\chi^2/\text{NDF}: 8.2/5$

Right Out: -935.490 ± 72.580 $\chi^2/\text{NDF}: 615.3/19$

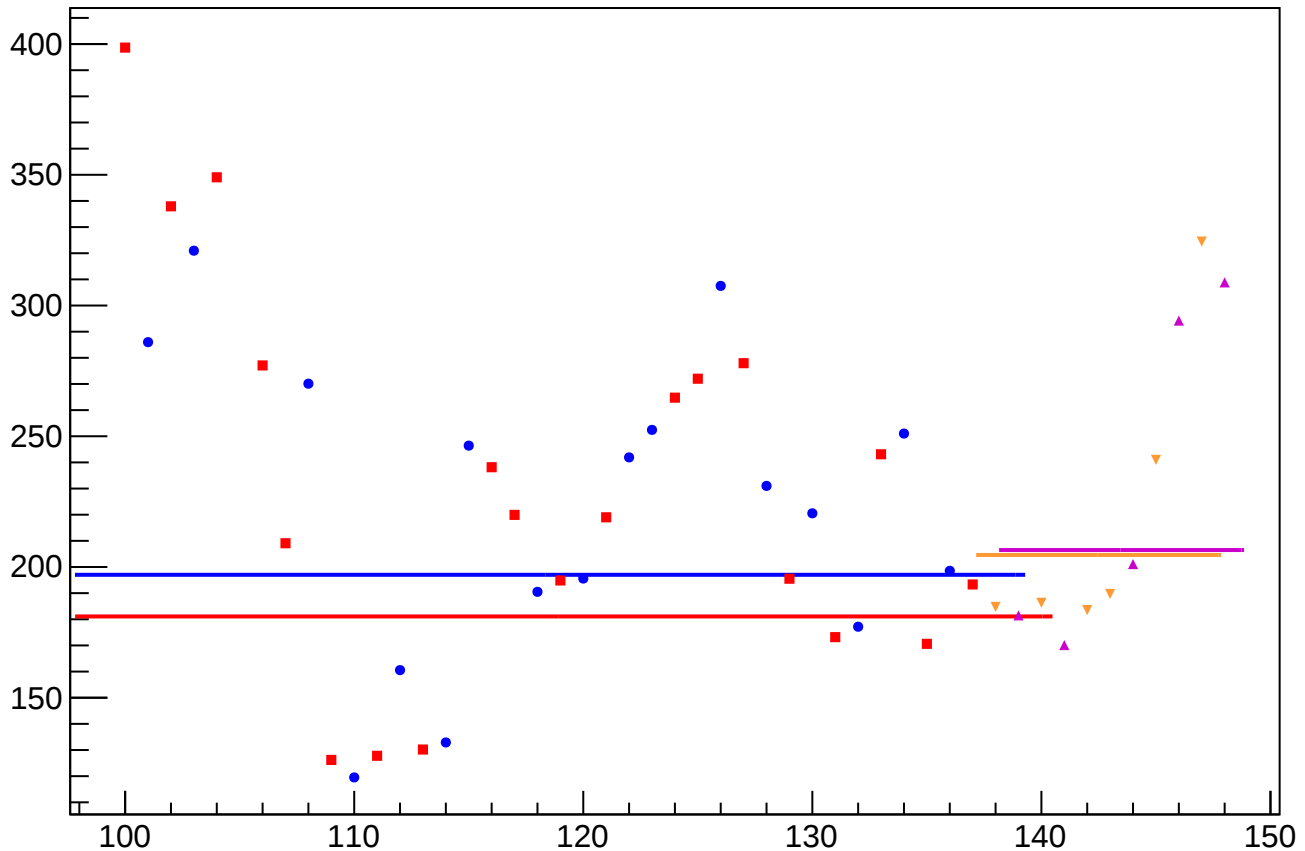
Left In: -496.407 ± 106.871 $\chi^2/\text{NDF}: 28.0/4$

398.461 ± 63.297 $\chi^2/\text{NDF}: 615.8/22$

-230.741 ± 43.562 $\chi^2/\text{NDF}: 1458.4/47$

-796.897 ± 60.042 $\chi^2/\text{NDF}: 654.9/24$

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 197.013+/-0.057 χ^2/NDF : 911923.5/16

Left Out: 204.597+/-0.073 χ^2/NDF : 295396.3/5

Right Out: 181.089+/-0.051 χ^2/NDF : 1348390.5/19

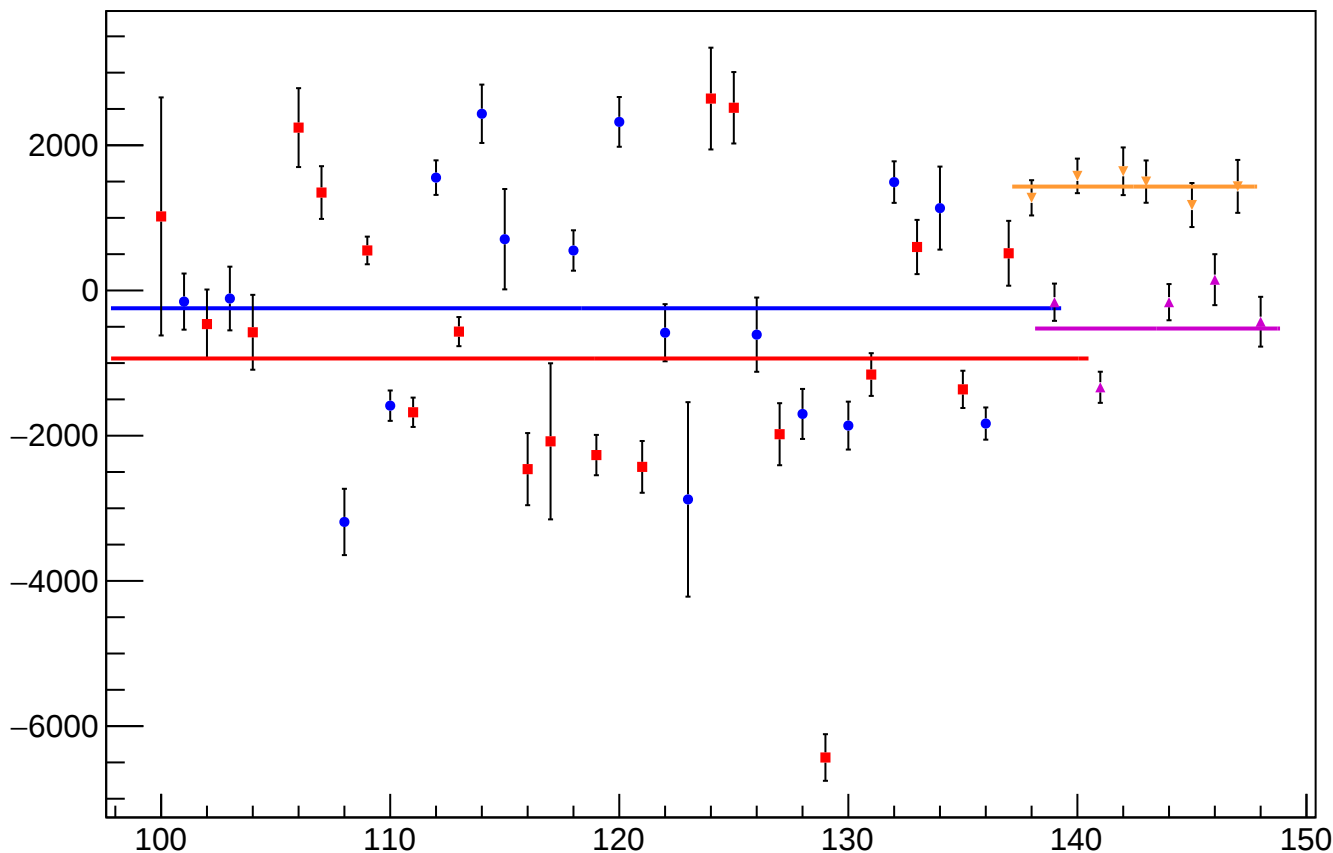
Left In: 206.487+/-0.076 χ^2/NDF : 420116.3/4

199.868+/-0.045 χ^2/NDF : 1214058.7/22

194.203+/-0.031 χ^2/NDF : 3090300.5/47

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: 1430.847 $\pm$ 116.178 χ^2/NDF : 2.0/5

Right Out: -936.709 $\pm$ 74.030 χ^2/NDF : 610.9/19

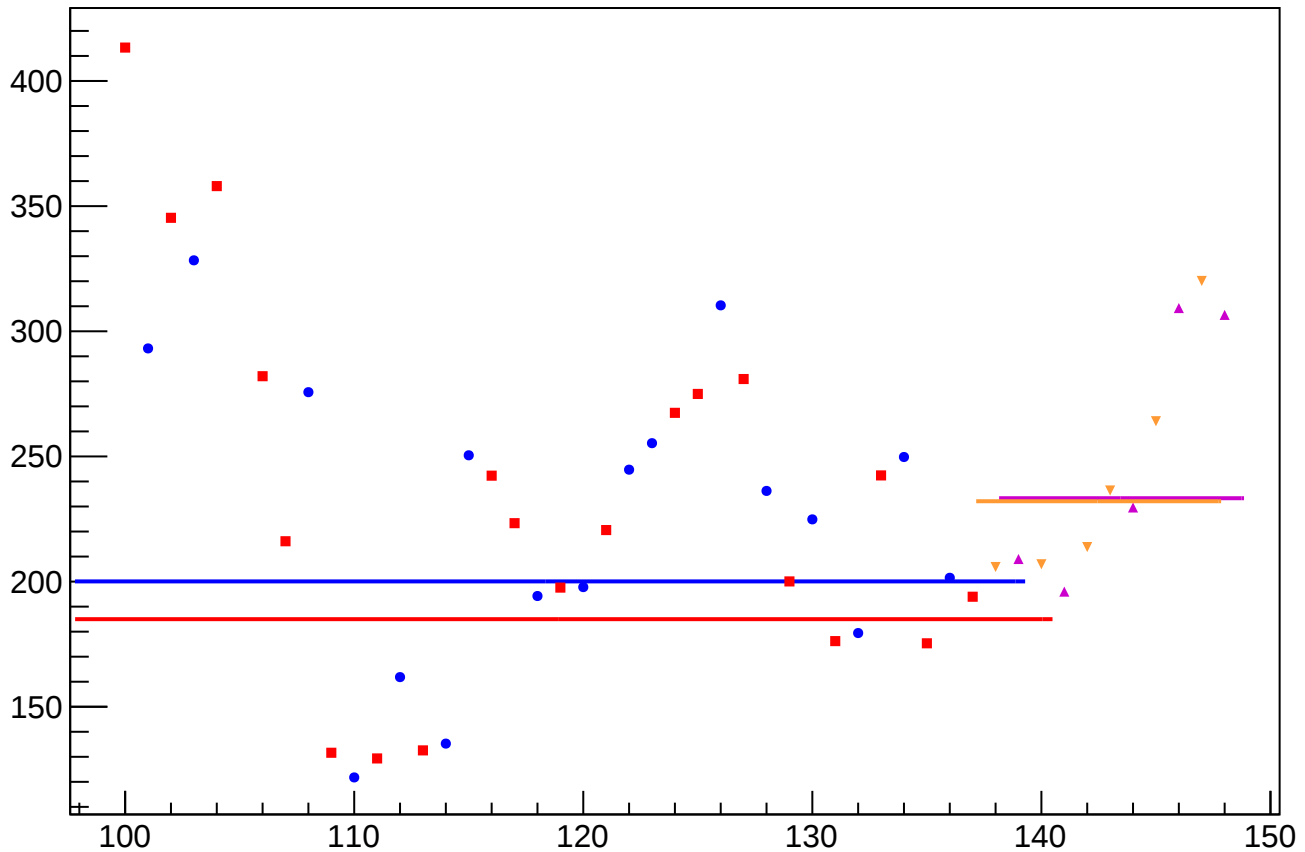
Left In: -524.051 $\pm$ 119.816 χ^2/NDF : 22.1/4

306.810 $\pm$ 66.662 χ^2/NDF : 532.9/22

-290.018 $\pm$ 45.779 χ^2/NDF : 1326.2/47

-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: 232.103+/-0.082 χ^2/NDF : 191309.0/5

Right Out: 184.990+/-0.052 χ^2/NDF : 1320825.4/19

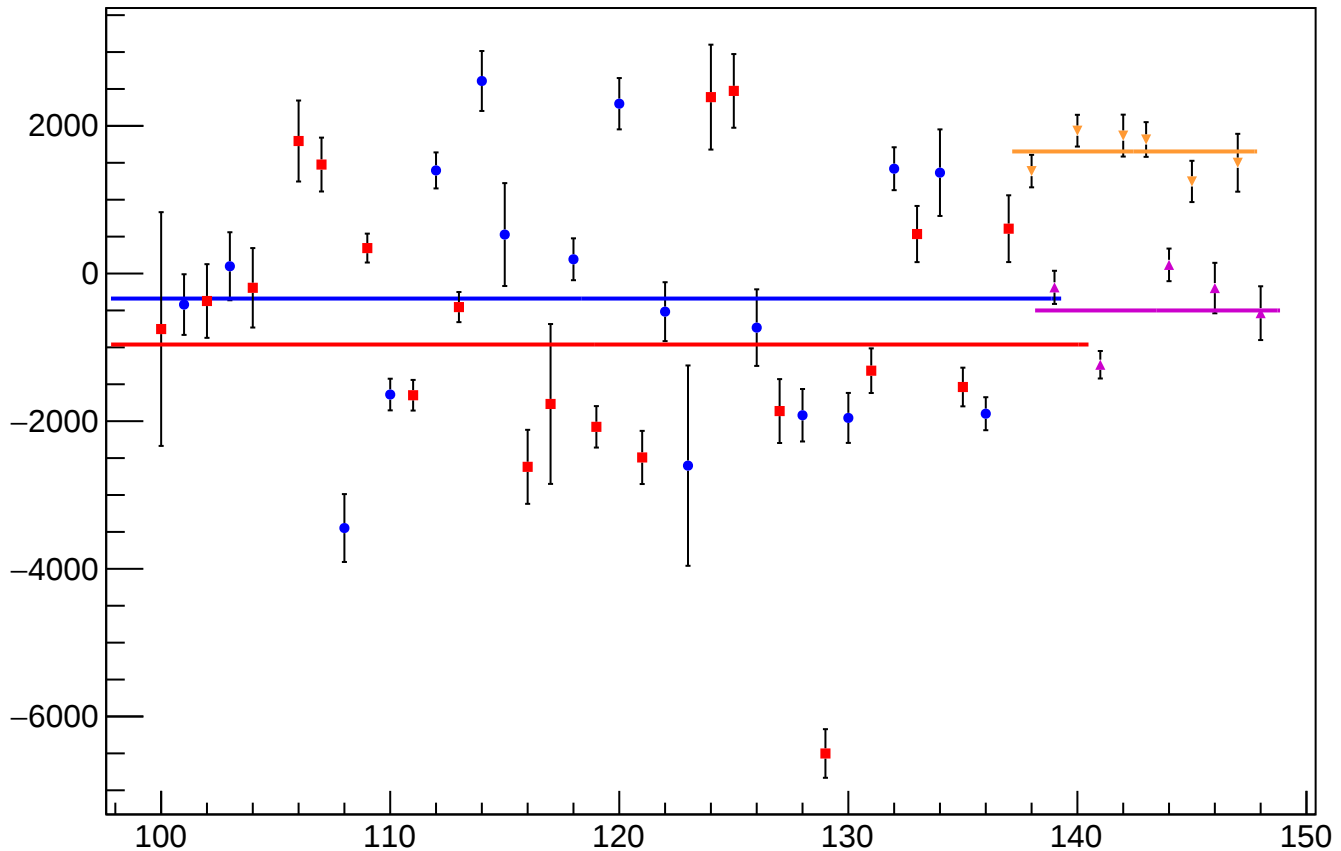
Left In: 233.310+/-0.085 χ^2/NDF : 263883.5/4

210.622+/-0.047 χ^2/NDF : 1211552.2/22

204.132+/-0.032 χ^2/NDF : 3067543.4/47

198.340+/-0.045 χ^2/NDF : 1820116.9/24

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -338.966 $\pm$ 83.123 χ^2/NDF : 389.5/16

Left Out: 1653.467 $\pm$ 104.225 χ^2/NDF : 6.5/5

Right Out: -961.556 $\pm$ 75.564 χ^2/NDF : 570.9/19

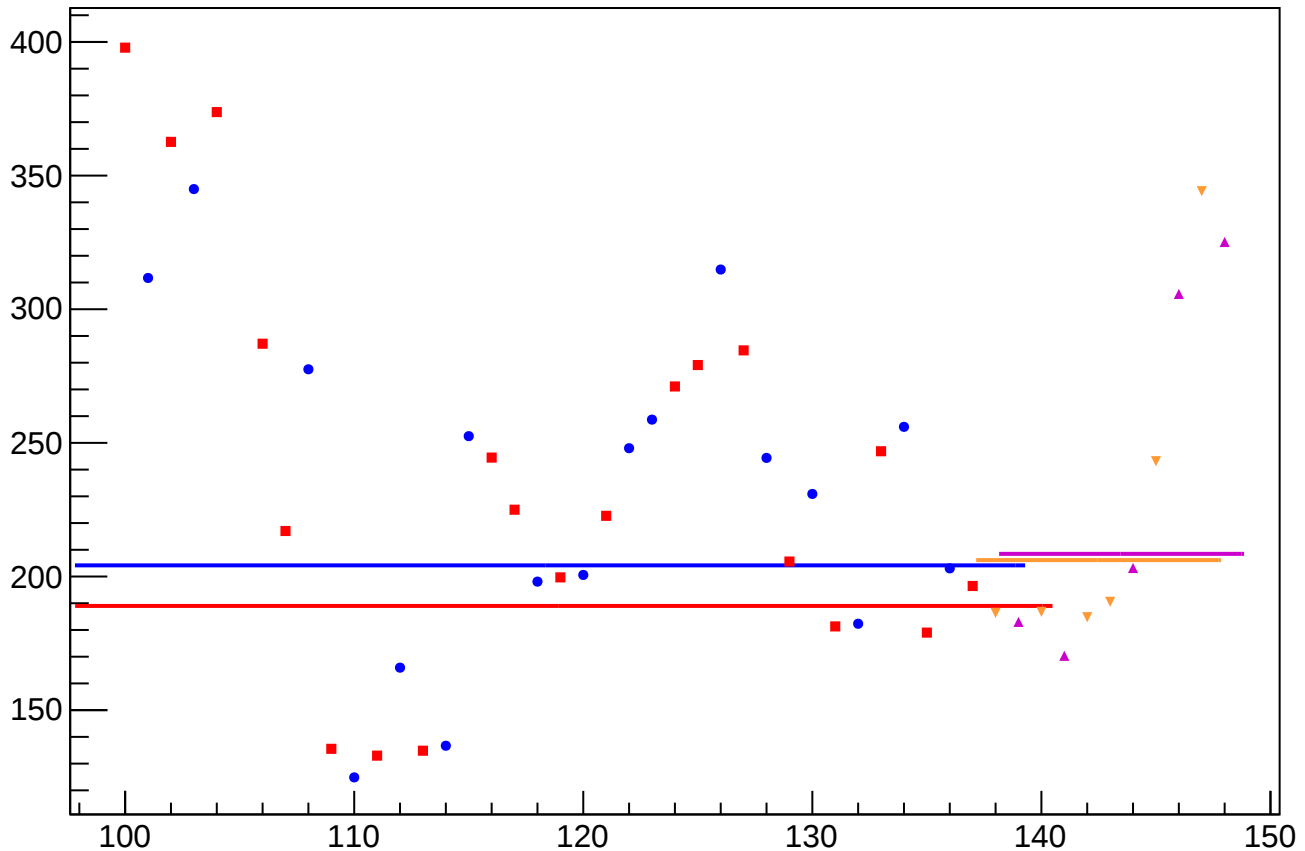
Left In: -500.227 $\pm$ 108.311 χ^2/NDF : 26.1/4

435.636 $\pm$ 64.986 χ^2/NDF : 619.3/22

-217.008 $\pm$ 44.849 χ^2/NDF : 1421.1/47

-810.525 $\pm$ 61.973 χ^2/NDF : 609.2/24

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 204.175 $\pm$ 0.059 χ^2/NDF : 947438.5/16

Left Out: 206.136 $\pm$ 0.074 χ^2/NDF :335599.0/5

Right Out: 188.997 $\pm$ 0.053 χ^2/NDF : 1317112.1/19

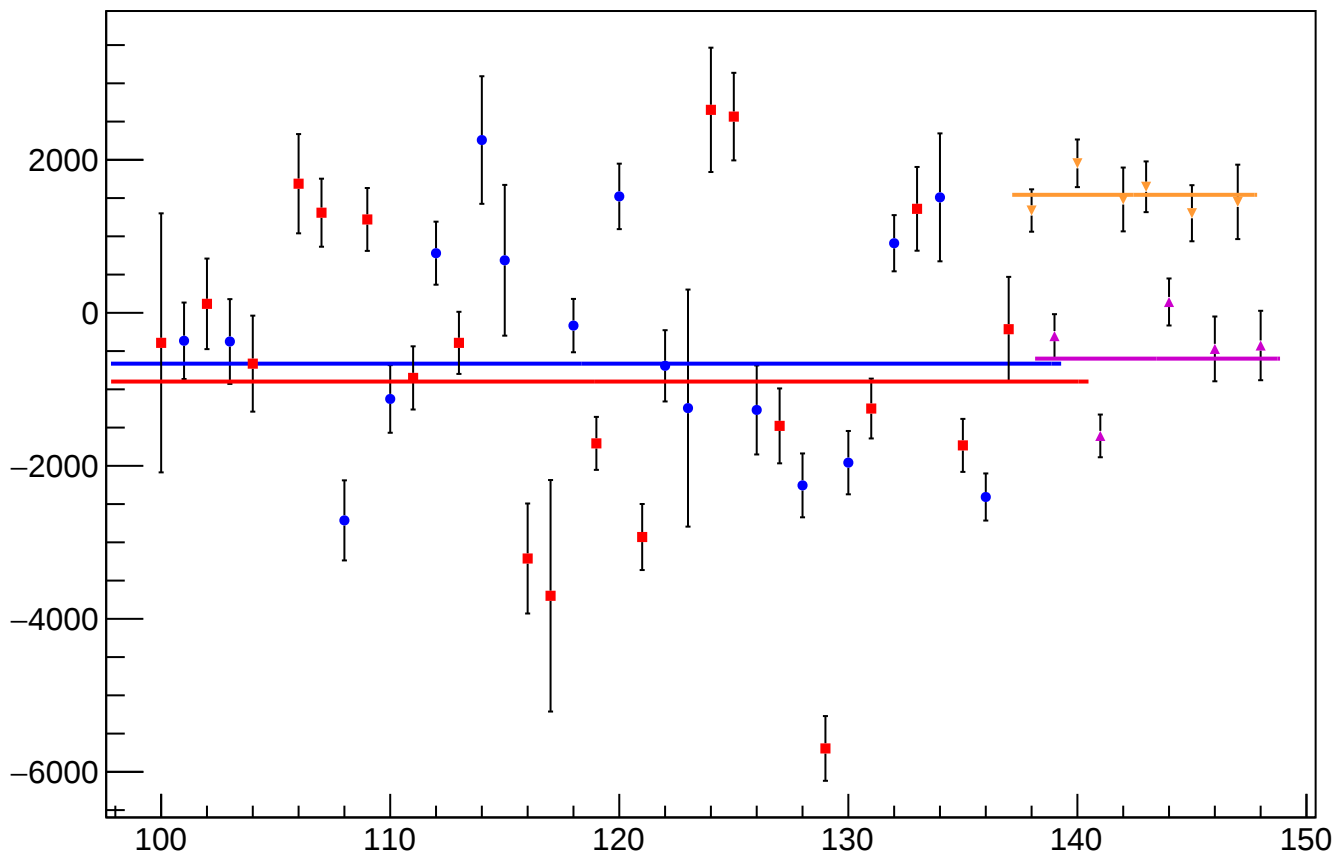
Left In: 208.480 $\pm$ 0.077 χ^2/NDF :477876.6/4

204.937 $\pm$ 0.046 χ^2/NDF : 1283470.2/22

199.930 $\pm$ 0.032 χ^2/NDF : 3144662.4/47

195.375 $\pm$ 0.044 χ^2/NDF : 1838514.7/24

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -664.383 ± 113.949 χ^2/NDF : 154.3/16

Left Out: 1542.639 ± 141.622 χ^2/NDF : 2.9/5

Right Out: -898.290 ± 110.578 χ^2/NDF : 323.5/19

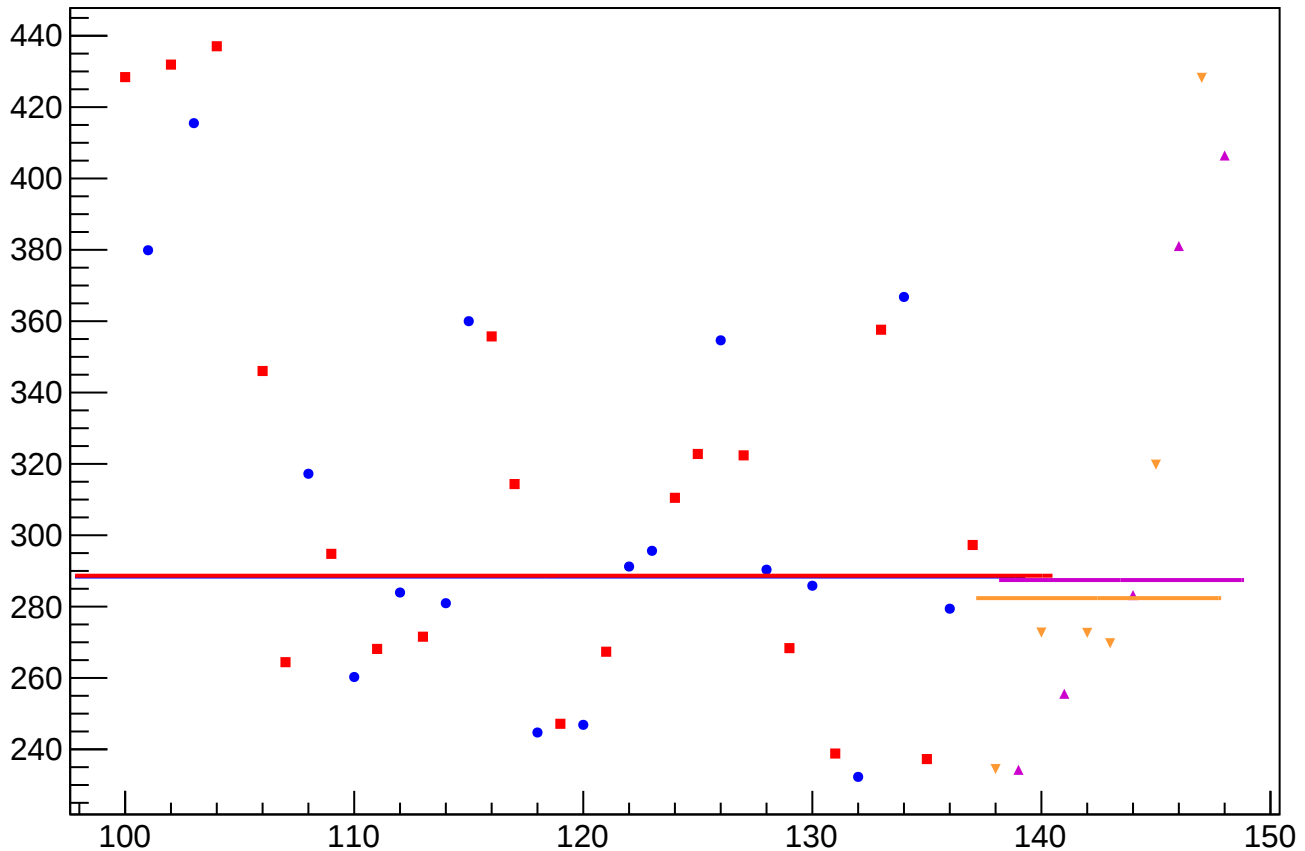
Left In: -598.587 ± 147.411 χ^2/NDF : 20.2/4

202.921 ± 88.779 χ^2/NDF : 304.6/22

-295.534 ± 62.662 χ^2/NDF : 713.8/47

-790.372 ± 88.457 χ^2/NDF : 346.3/24

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 288.428+/-0.081 χ^2/NDF : 339820.0/16

Left Out: 282.376+/-0.100 χ^2/NDF : 266346.2/5

Right Out: 288.660+/-0.078 χ^2/NDF : 455989.7/19

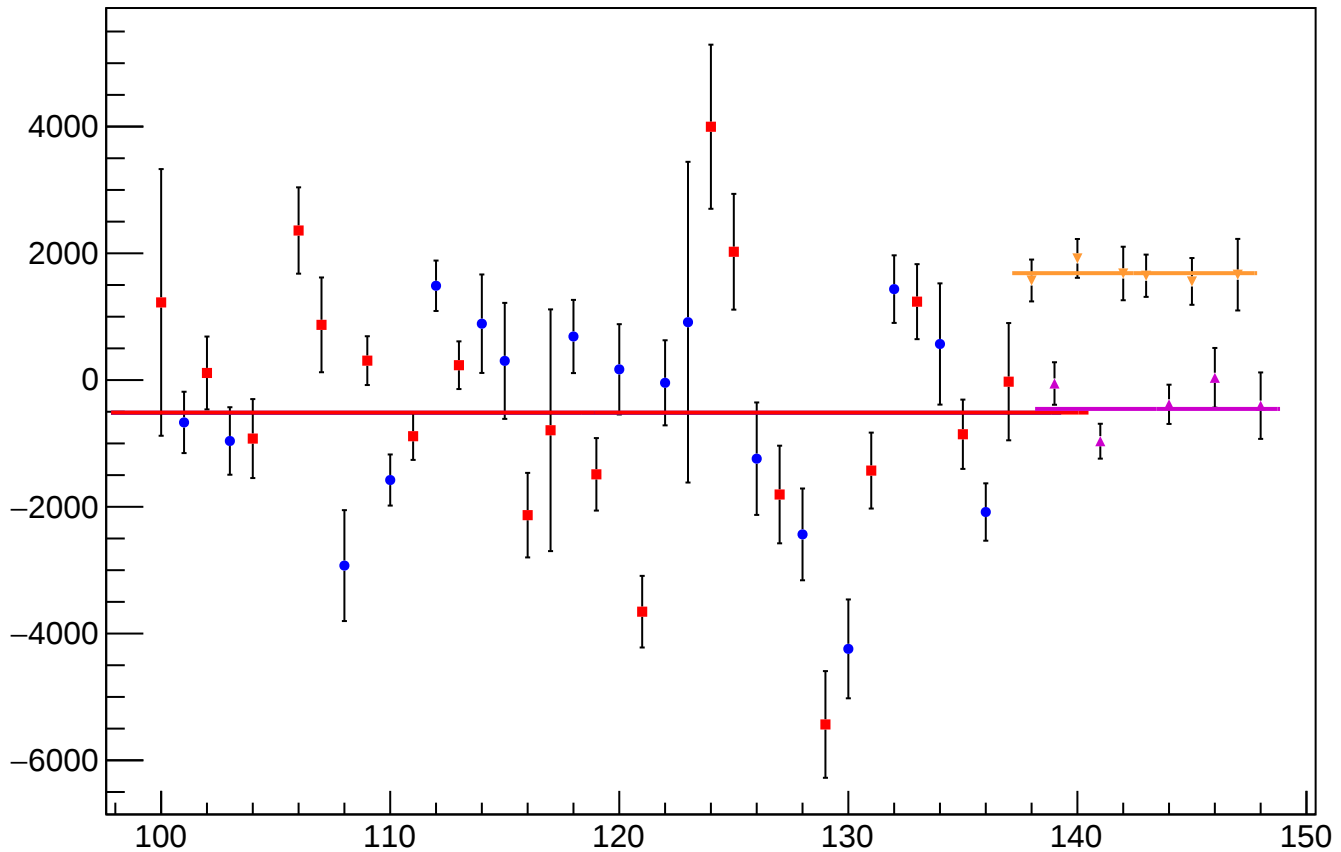
Left In: 287.445+/-0.104 χ^2/NDF : 330619.4/4

286.050+/-0.063 χ^2/NDF : 608383.2/22

287.140+/-0.044 χ^2/NDF : 1395680.4/47

288.223+/-0.063 χ^2/NDF : 786696.0/24

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -515.894 $\pm$ 147.326 χ^2/NDF : 108.0/16

Left Out: 1686.777 $\pm$ 149.225 χ^2/NDF : 0.8/5

Right Out: -513.264 $\pm$ 135.456 χ^2/NDF : 141.3/19

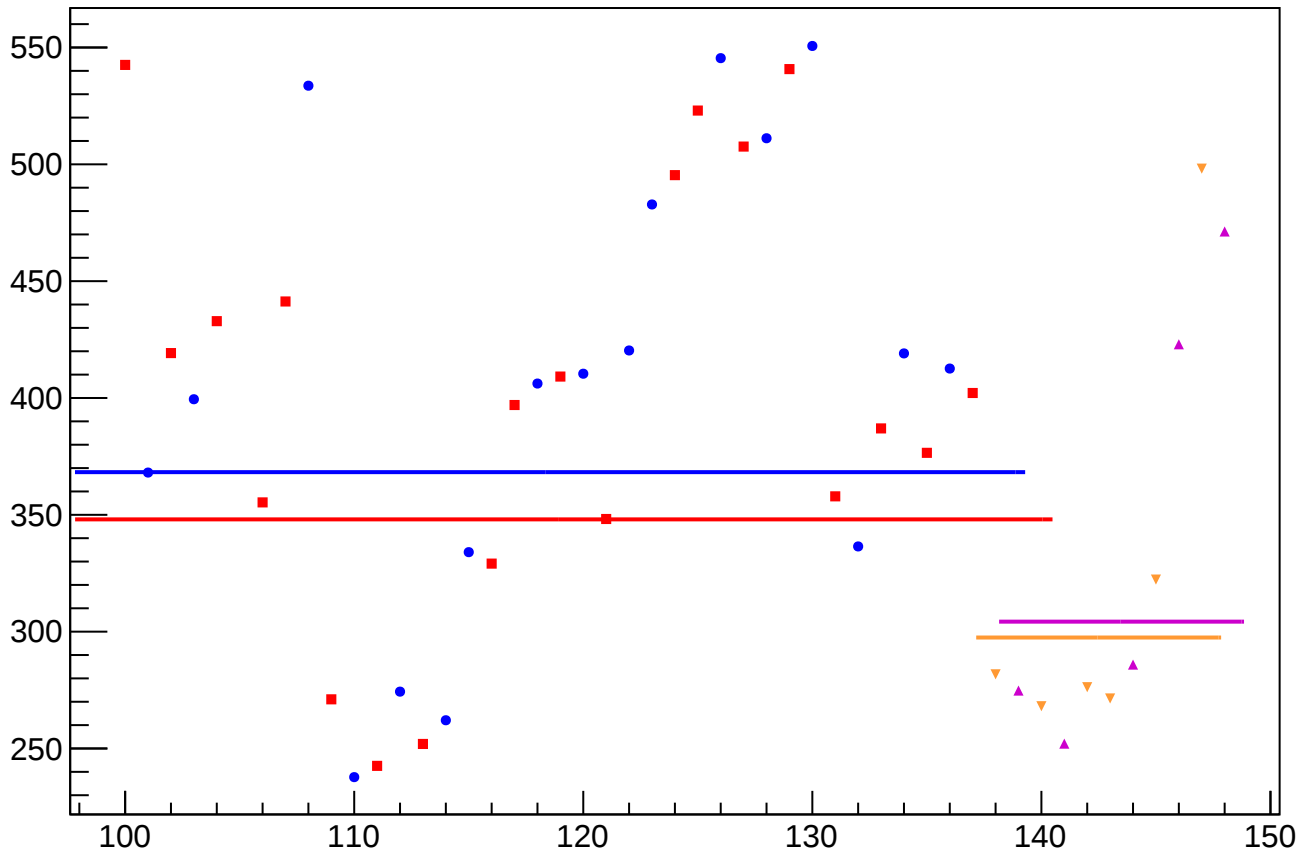
Left In: -455.370 $\pm$ 156.808 χ^2/NDF : 6.0/4

571.338 $\pm$ 104.840 χ^2/NDF : 219.2/22

29.477 $\pm$ 73.294 χ^2/NDF : 418.8/47

-488.524 $\pm$ 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: 297.490 $\pm$ 0.106 χ^2 /NDF: 301925.4/5

Right Out: 348.050 $\pm$ 0.096 χ^2 /NDF: 823186.4/19

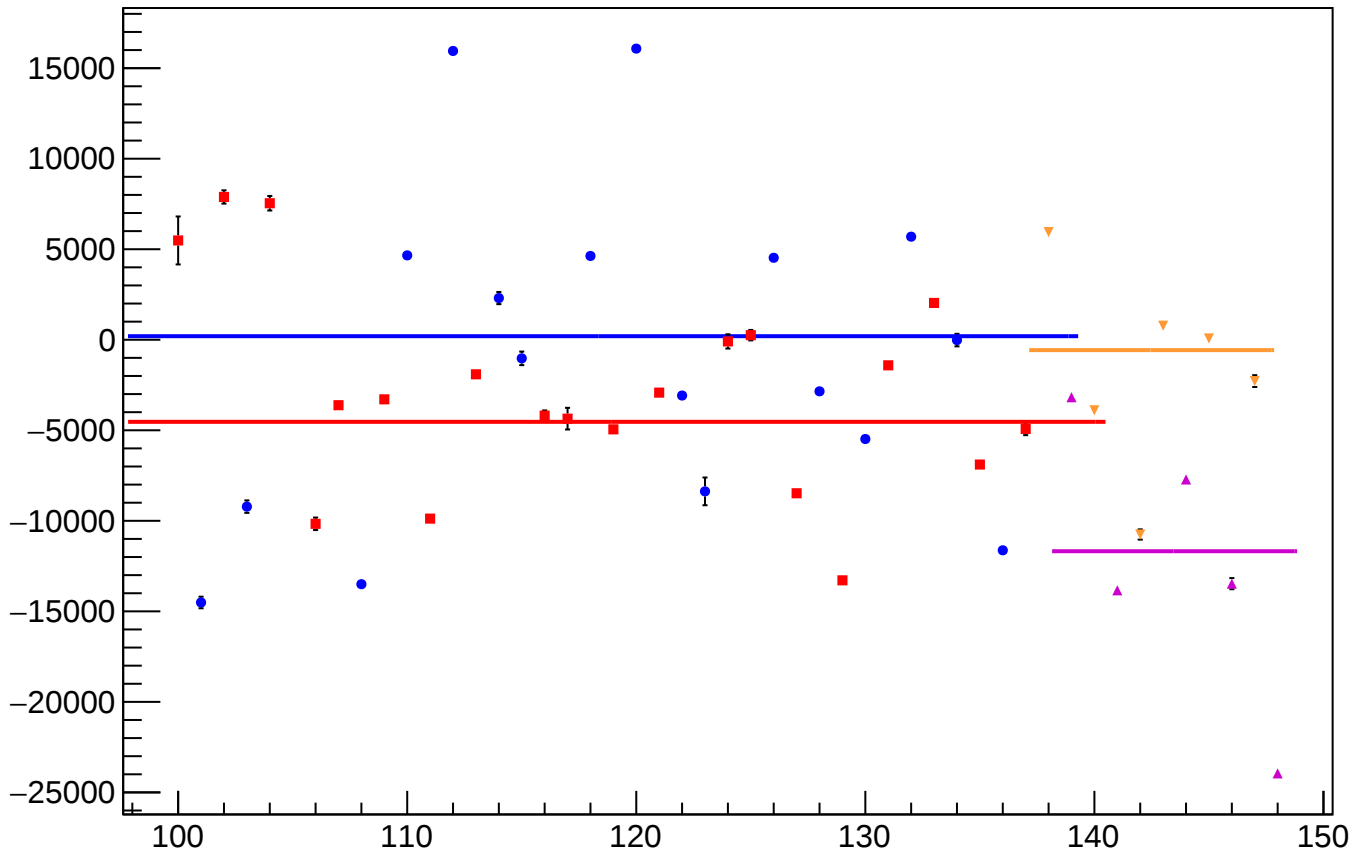
Left In: 304.284 $\pm$ 0.111 χ^2 /NDF: 424525.0/4

333.330 $\pm$ 0.074 χ^2 /NDF: 1299861.5/22

331.294 $\pm$ 0.052 χ^2 /NDF: 2638272.3/47

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: -571.744 ± 99.307 χ^2/NDF : 2771.1/5

Right Out: -4532.856 ± 52.261 χ^2/NDF : 7477.3/19

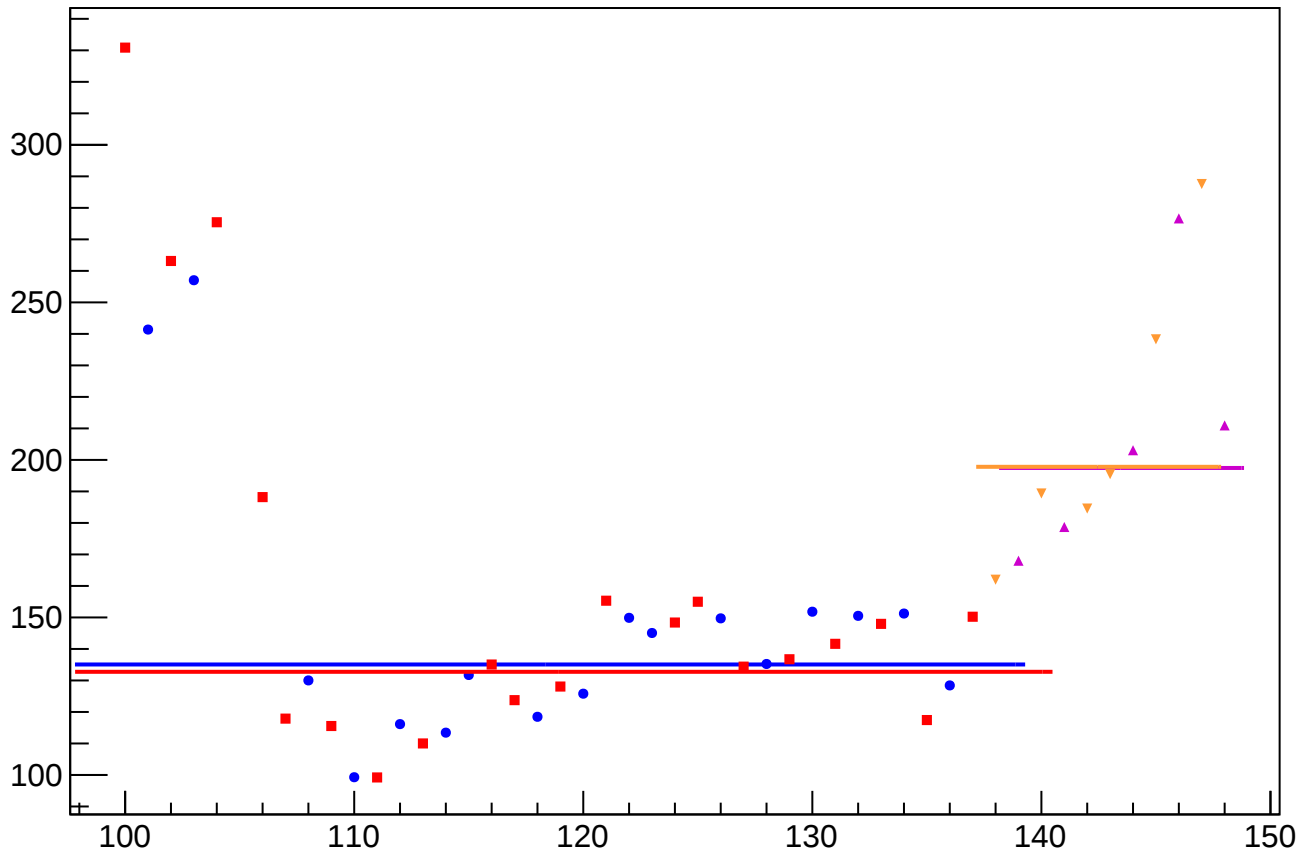
Left In: -11679.907 ± 101.222 χ^2/NDF : 4704.0/4

17.568 ± 47.979 χ^2/NDF : 33475.3/22

-3108.583 ± 33.368 χ^2/NDF : 57815.3/47

-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: 197.813 +/- 0.070 χ^2/NDF : 273799.4/5

Right Out: 132.747 +/- 0.037 χ^2/NDF : 831647.2/19

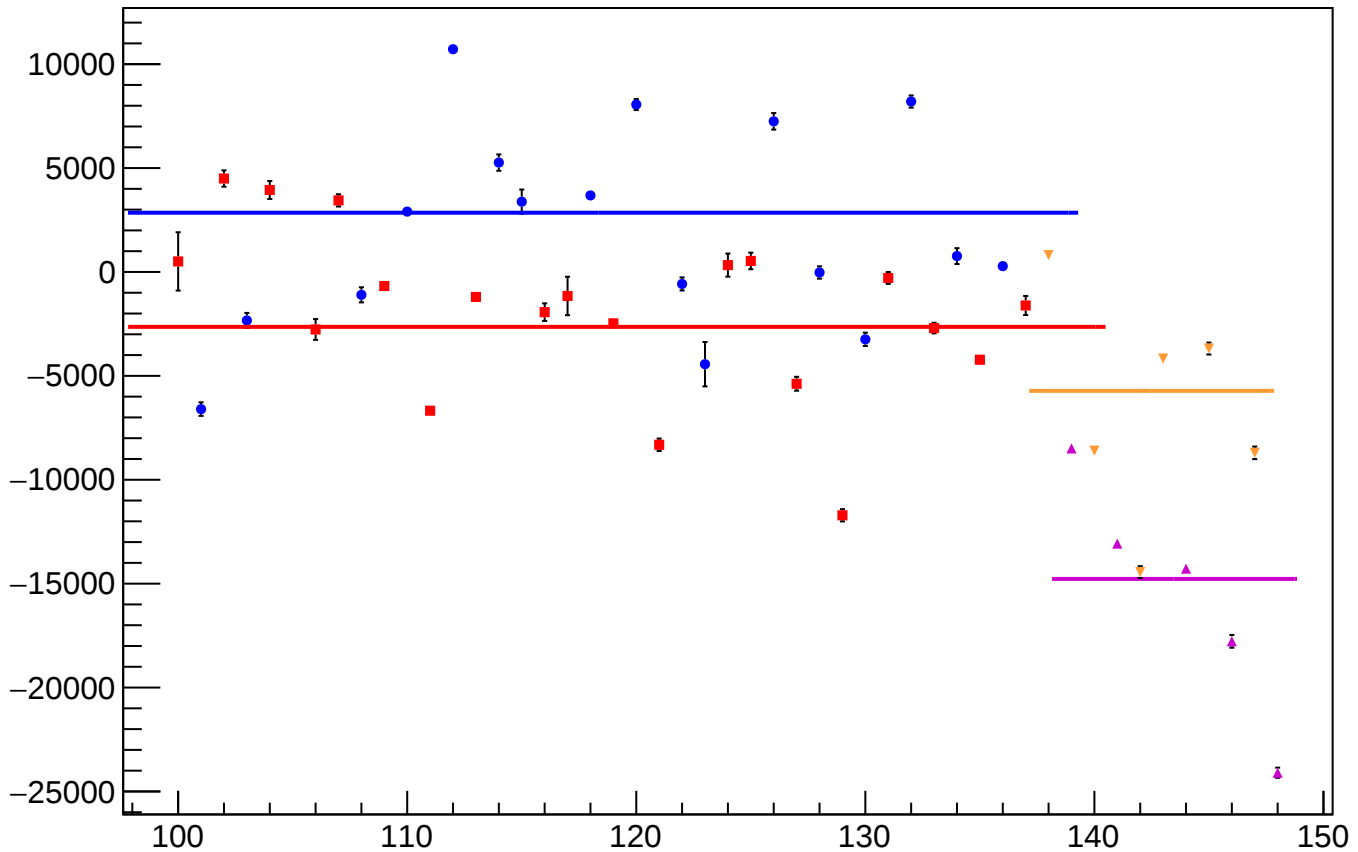
Left In: 197.445 +/- 0.072 χ^2/NDF : 199494.8/4

149.717 +/- 0.034 χ^2/NDF : 1544478.5/22

147.985 +/- 0.024 χ^2/NDF : 3225767.4/47

146.364 +/- 0.033 χ^2/NDF : 1676245.1/24

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -5722.007+/-102.093 χ^2/NDF :2273.8/5

Right Out: -2641.642+/-65.566 χ^2/NDF : 3178.3/19

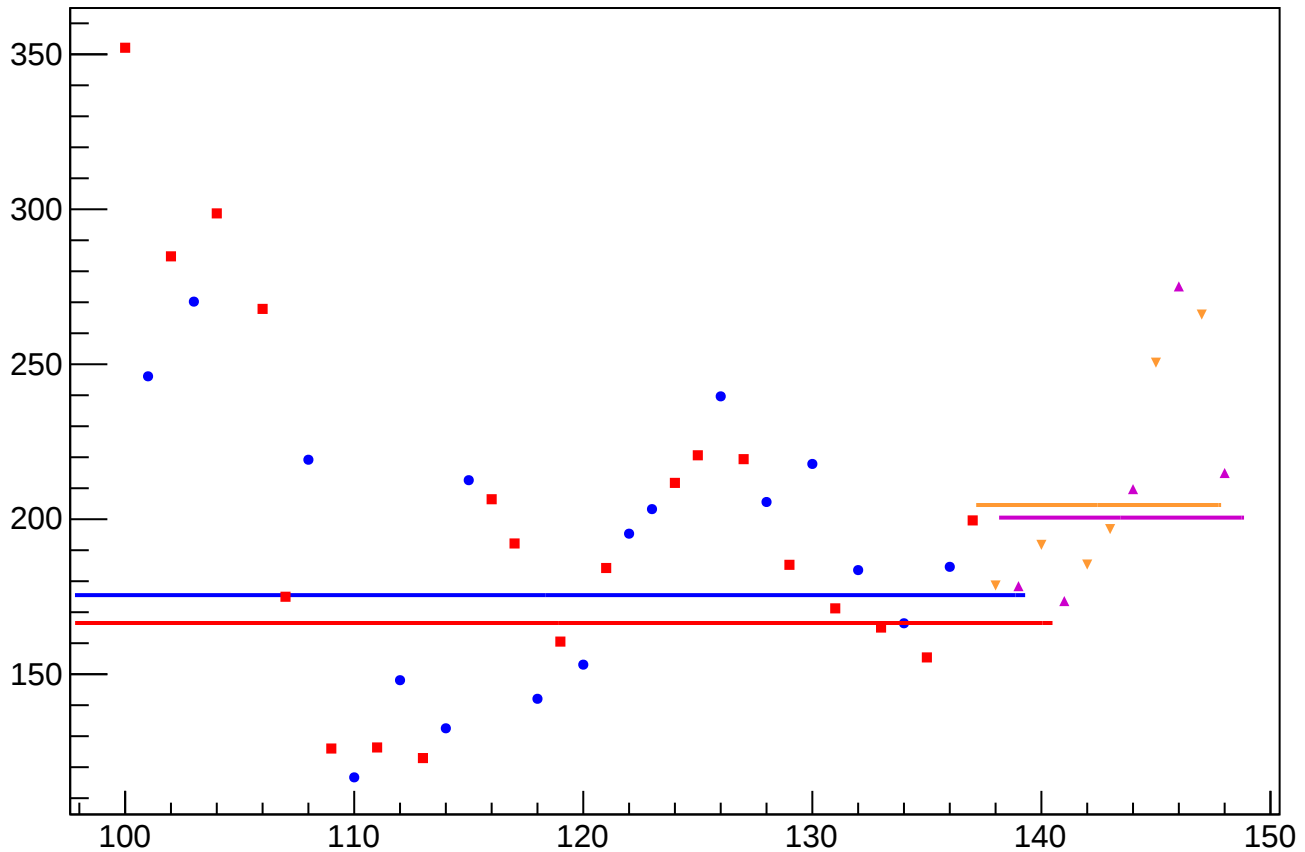
Left In: -14771.665+/-102.383 χ^2/NDF :2463.3/4

69.717+/-58.153 χ^2/NDF : 11216.0/22

-3211.524+/-40.041 χ^2/NDF : 32865.7/47

-6169.473+/-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: 204.592 +/- 0.072 χ^2/NDF : 182368.8/5

Right Out: 166.522 +/- 0.046 χ^2/NDF : 931079.9/19

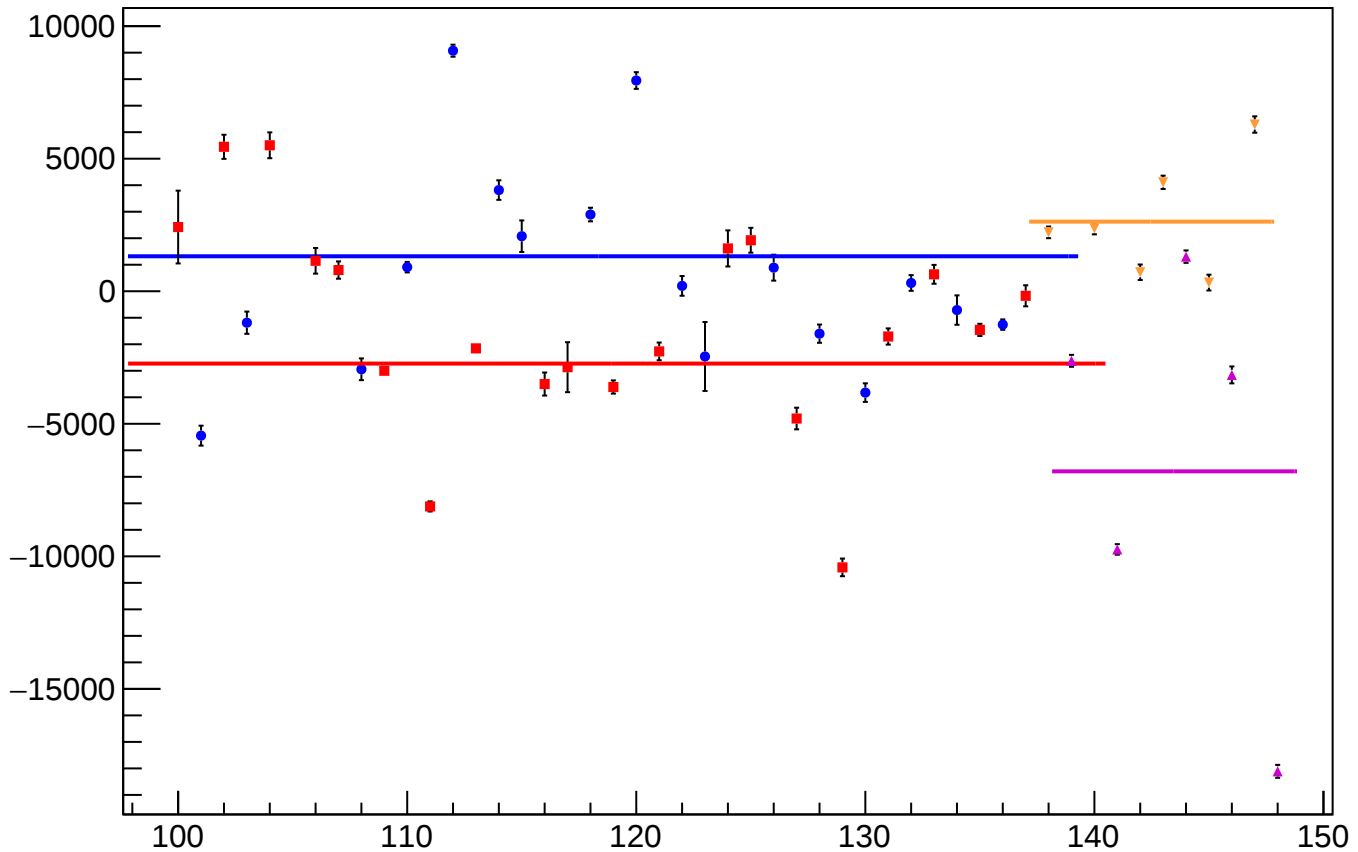
Left In: 200.520 +/- 0.072 χ^2/NDF : 189093.7/4

184.949 +/- 0.041 χ^2/NDF : 981610.2/22

180.458 +/- 0.028 χ^2/NDF : 2280851.5/47

176.410 +/- 0.039 χ^2/NDF : 1276564.4/24

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 2625.622+/-105.724 χ^2/NDF : 282.1/5

Right Out: -2728.550+/-69.837 χ^2/NDF : 2495.9/19

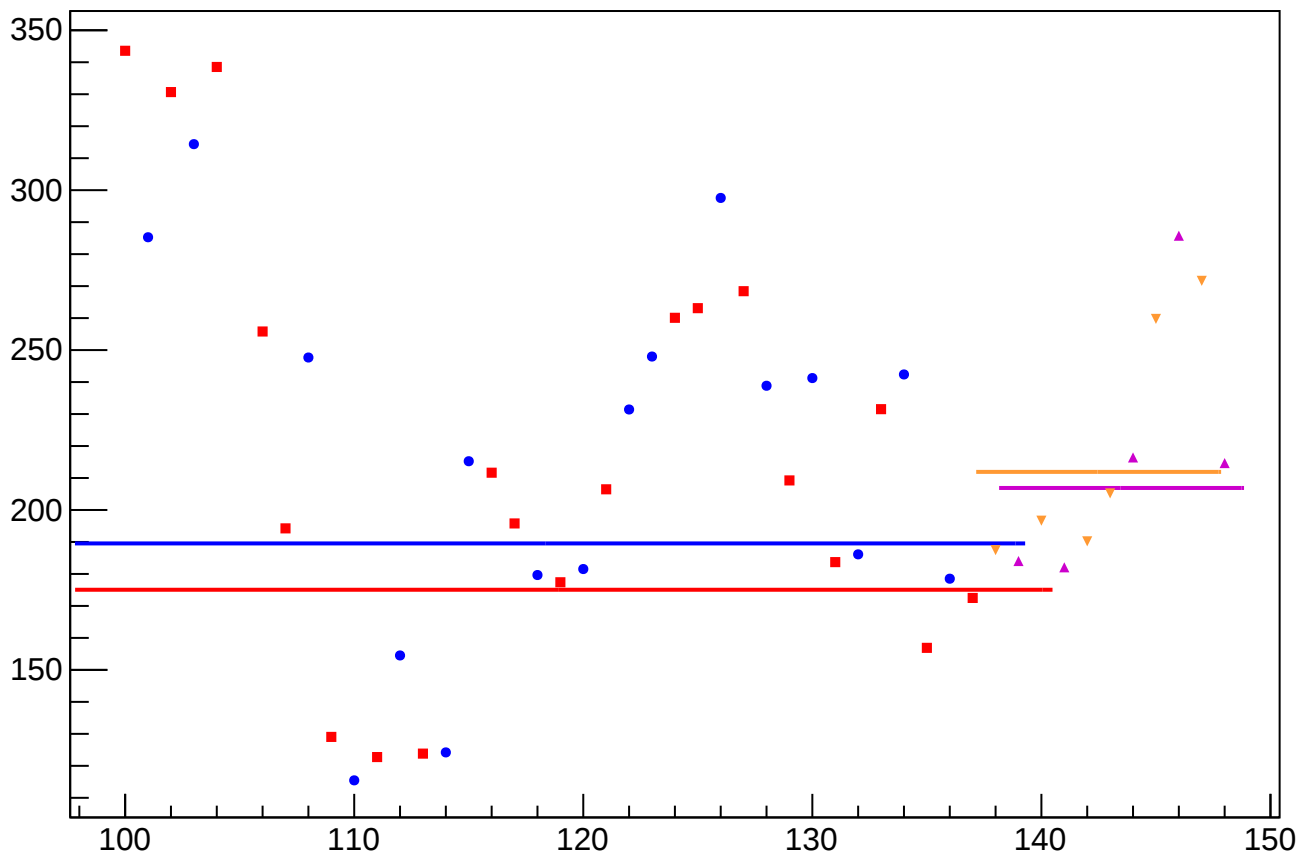
Left In: -6794.275+/-105.606 χ^2/NDF : 4032.2/4

1772.992+/-62.319 χ^2/NDF : 3048.8/22

-1289.638+/-42.555 χ^2/NDF : 15133.6/47

-3965.573+/-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: 211.914 $\pm$ 0.075 χ^2/NDF : 172697.3/5

Right Out: 175.058 $\pm$ 0.049 χ^2/NDF : 1298079.7/19

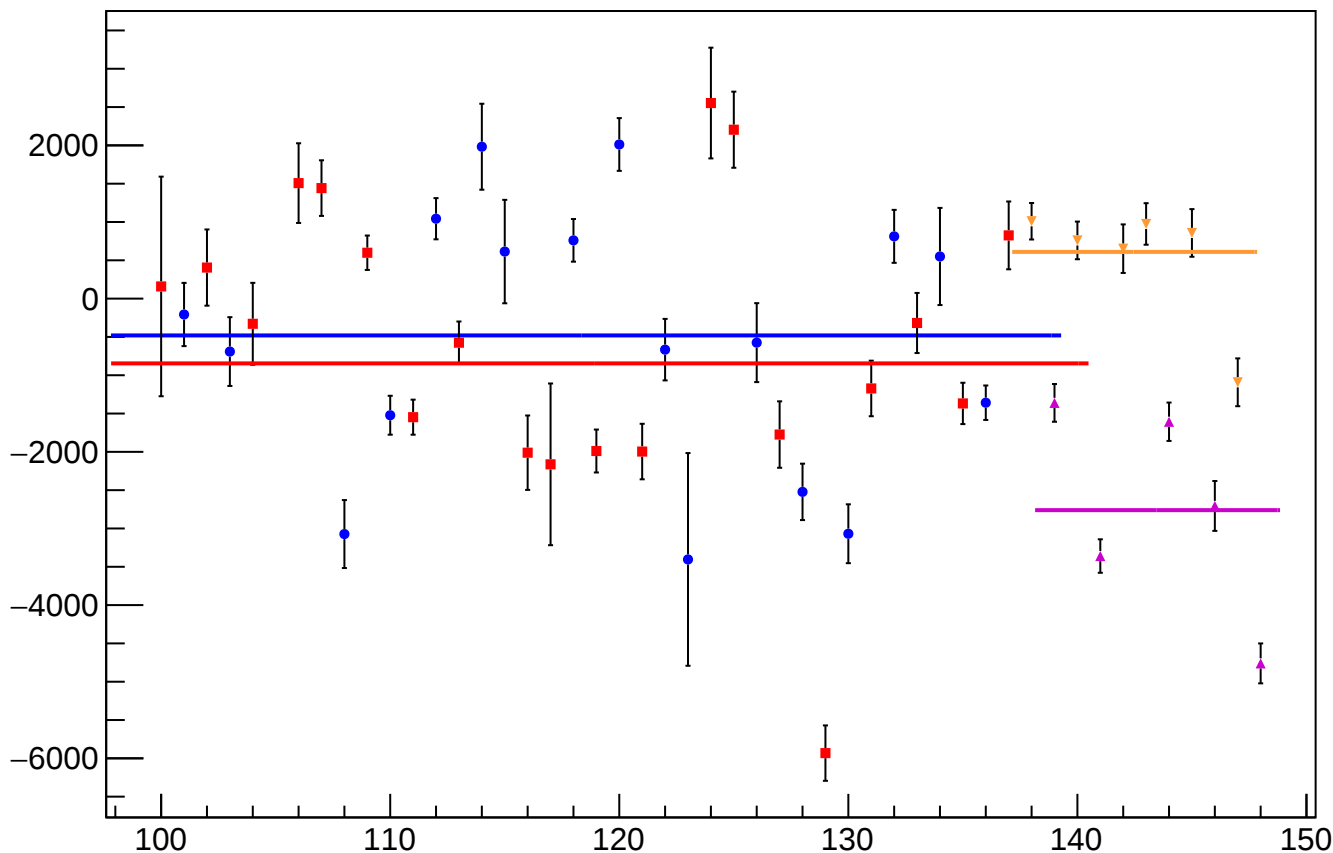
Left In: 206.884 $\pm$ 0.075 χ^2/NDF : 178815.1/4

197.317 $\pm$ 0.044 χ^2/NDF : 1211868.5/22

190.605 $\pm$ 0.030 χ^2/NDF : 2858603.0/47

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: 609.808+/-112.958 χ^2/NDF : 35.4/5

Right Out: -845.444+/-81.995 χ^2/NDF : 436.9/19

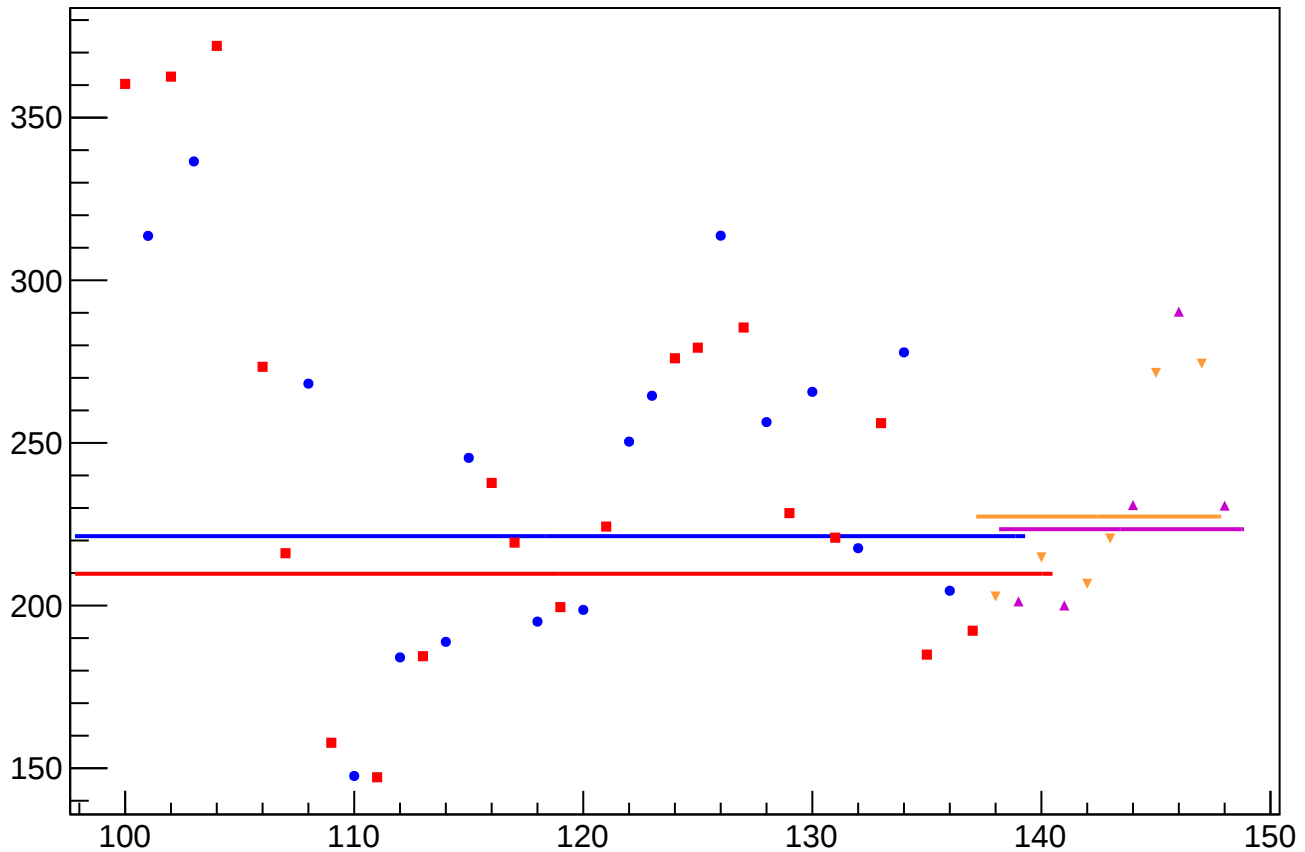
Left In: -2760.820+/-113.537 χ^2/NDF : 120.1/4

-65.026+/-69.733 χ^2/NDF : 383.8/22

-817.888+/-48.115 χ^2/NDF : 1350.2/47

-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: 227.363 ± 0.080 χ^2/NDF : 121952.7/5

Right Out: 209.775 ± 0.058 χ^2/NDF : 884083.7/19

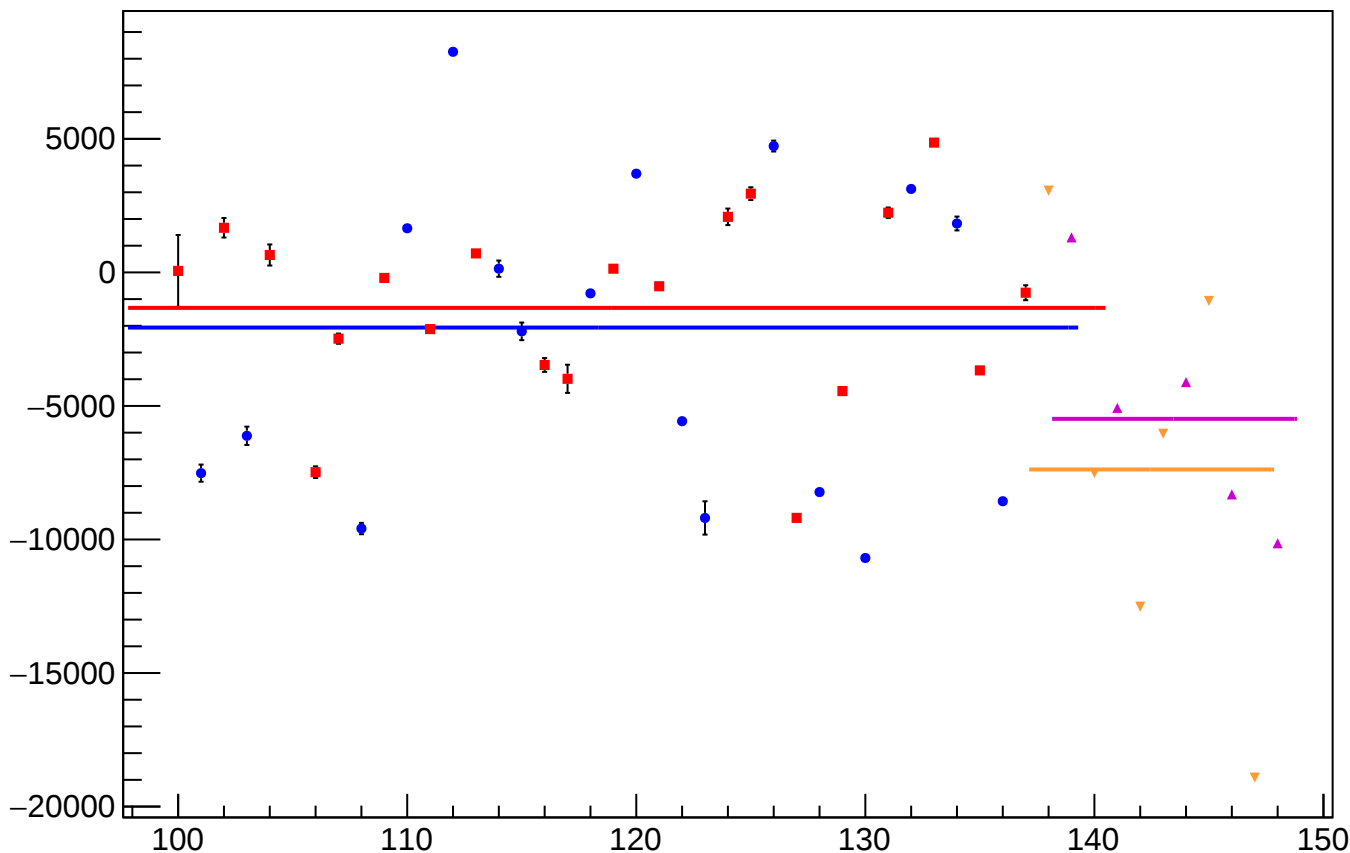
Left In: 223.481 ± 0.080 χ^2/NDF : 126994.7/4

223.637 ± 0.049 χ^2/NDF : 771157.1/22

218.835 ± 0.034 χ^2/NDF : 1819486.1/47

214.473 ± 0.047 χ^2/NDF : 1030233.4/24

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.160+/-47.322 χ^2/NDF : 16533.3/16

Left Out: -7378.795+/-53.852 χ^2/NDF :18867.5/5

Right Out: -1327.819+/-44.838 χ^2/NDF : 5919.9/19

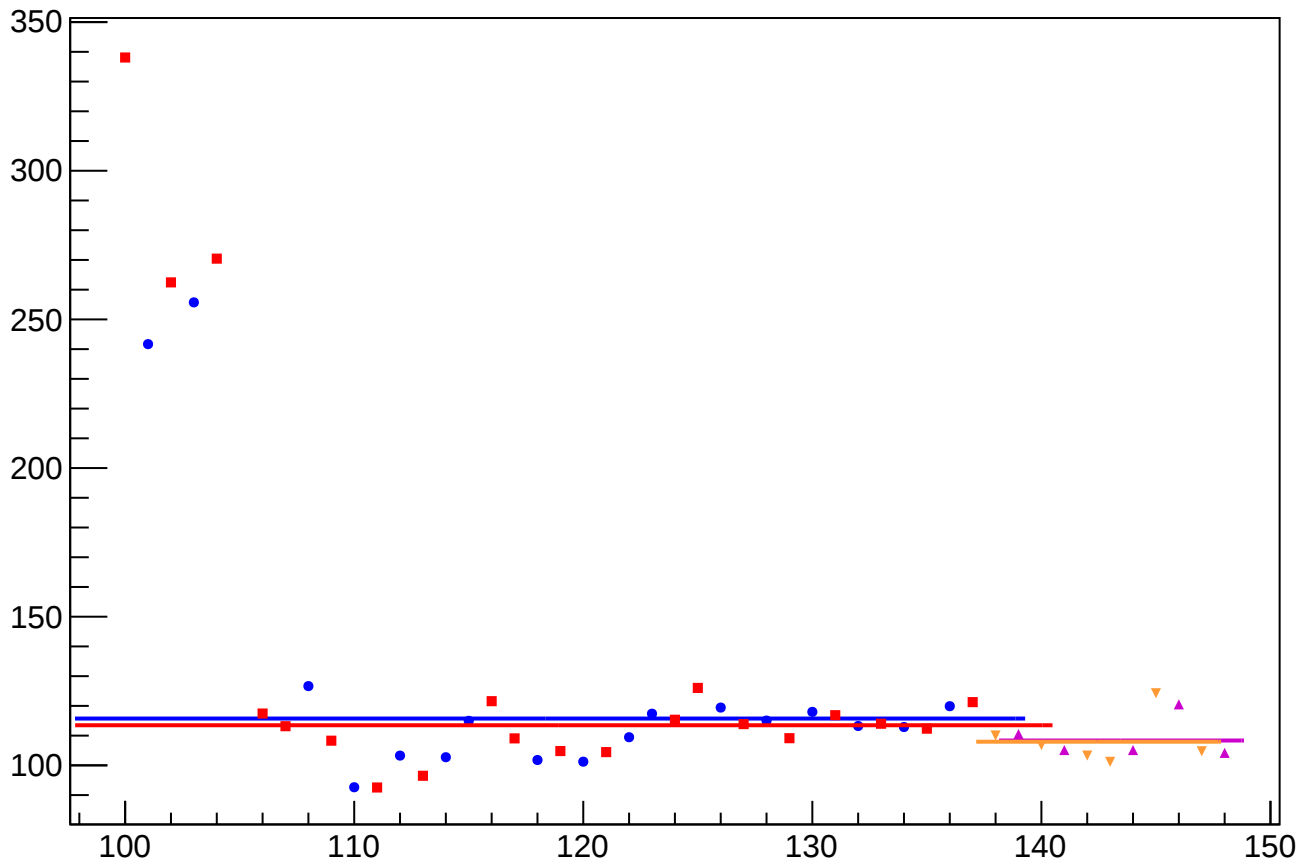
Left In: -5483.061+/-54.944 χ^2/NDF :4644.3/4

-4380.429+/-35.548 χ^2/NDF : 40894.5/22

-3668.646+/-24.845 χ^2/NDF : 55675.6/47

-2988.883+/-34.739 χ^2/NDF : 13997.2/24

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 ± 0.033 χ^2/NDF : 744017.7/16

Left Out: 107.953 ± 0.038 χ^2/NDF : 35316.3/5

Right Out: 113.487 ± 0.032 χ^2/NDF : 796781.7/19

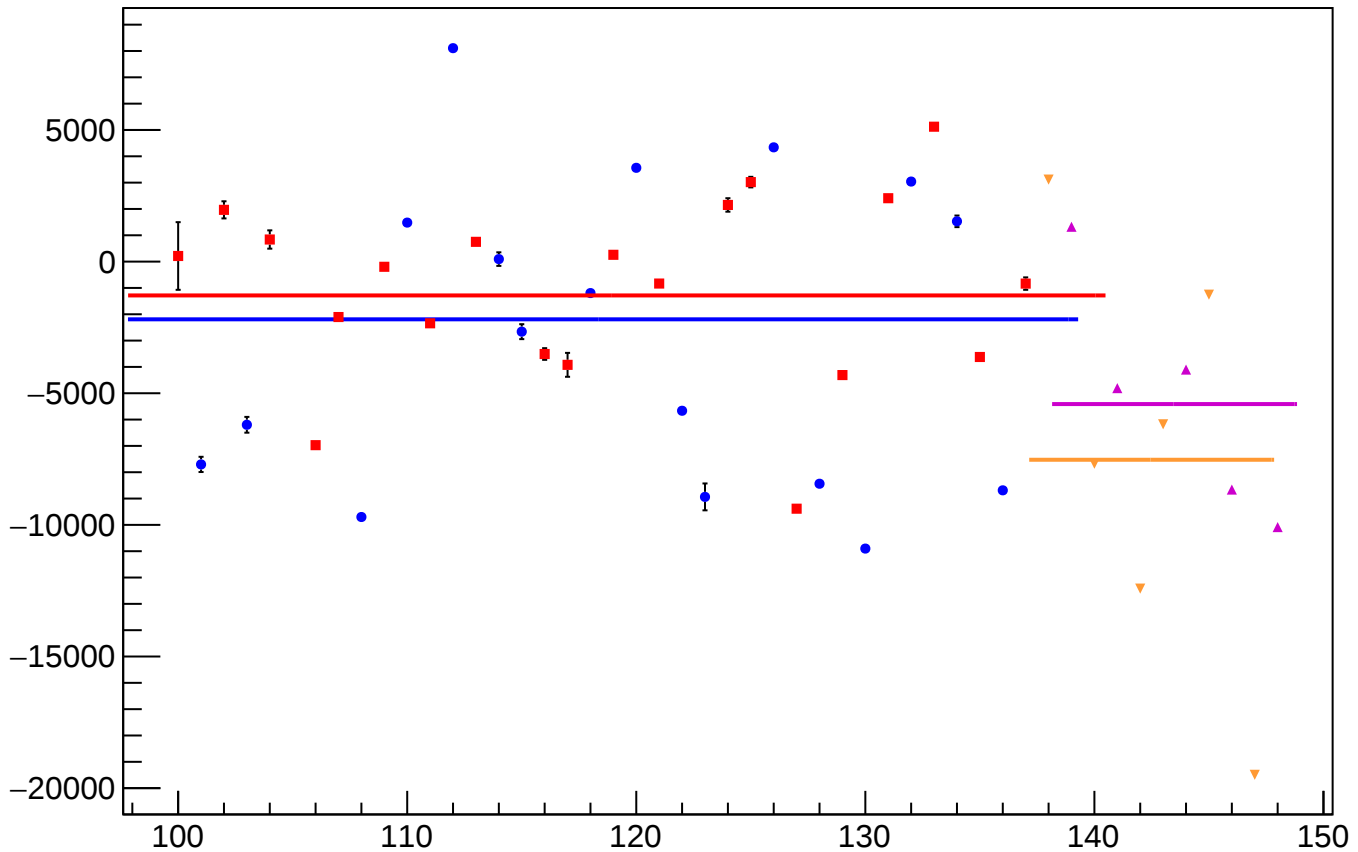
Left In: 108.354 ± 0.039 χ^2/NDF : 22355.1/4

112.347 ± 0.025 χ^2/NDF : 802934.8/22

111.881 ± 0.018 χ^2/NDF : 1633223.3/47

111.435 ± 0.025 χ^2/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: -7526.474+/-49.930 χ^2/NDF : 22333.5/5

Right Out: -1284.692+/-37.915 χ^2/NDF : 8584.4/19

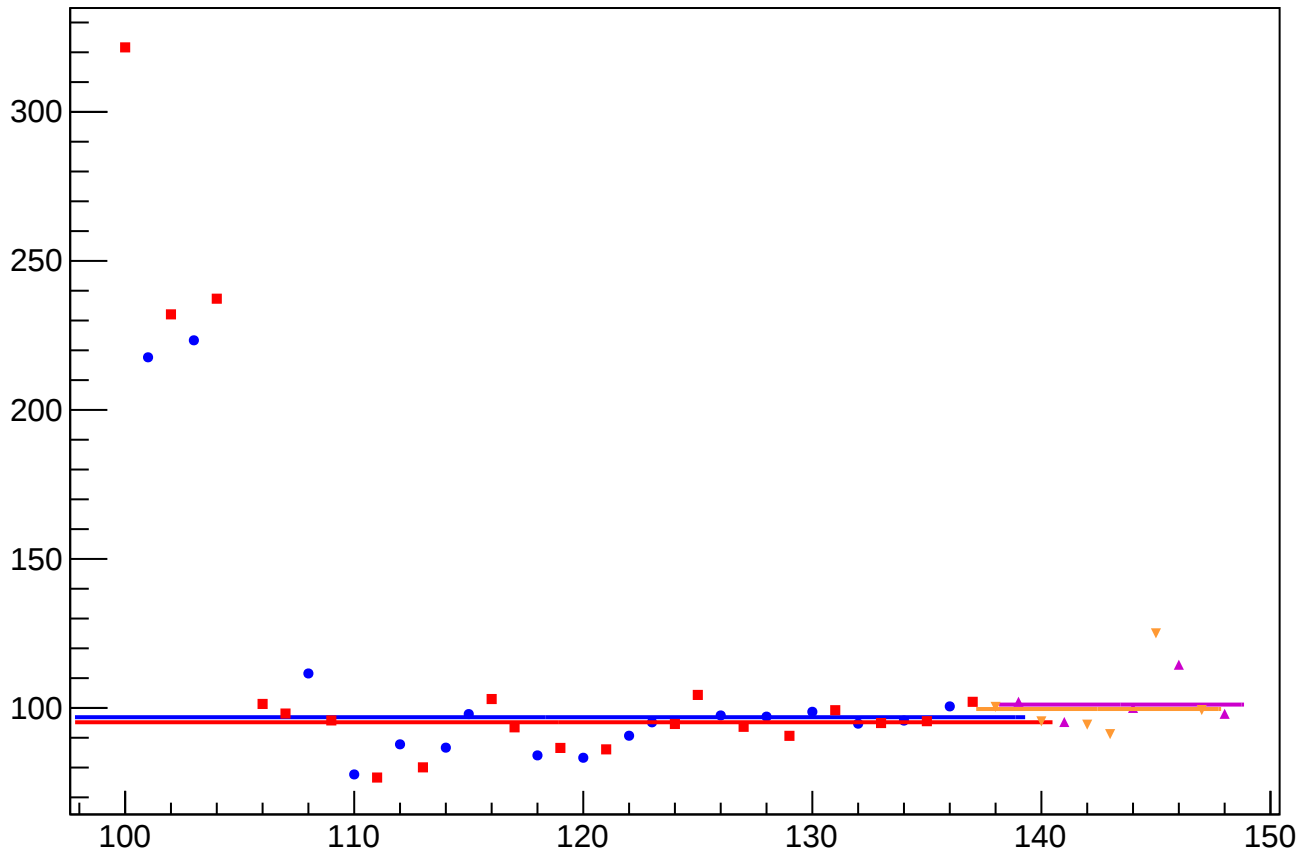
Left In: -5411.042+/-51.373 χ^2/NDF : 5444.8/4

-4273.930+/-31.191 χ^2/NDF : 52106.3/22

-3489.815+/-21.809 χ^2/NDF : 71548.5/47

-2739.737+/-30.507 χ^2/NDF : 18205.7/24

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 96.894 +/- 0.028 χ^2/NDF : 817229.9/16

Left Out: 99.642 +/- 0.035 χ^2/NDF : 77954.2/5

Right Out: 95.201 +/- 0.027 χ^2/NDF : 859838.2/19

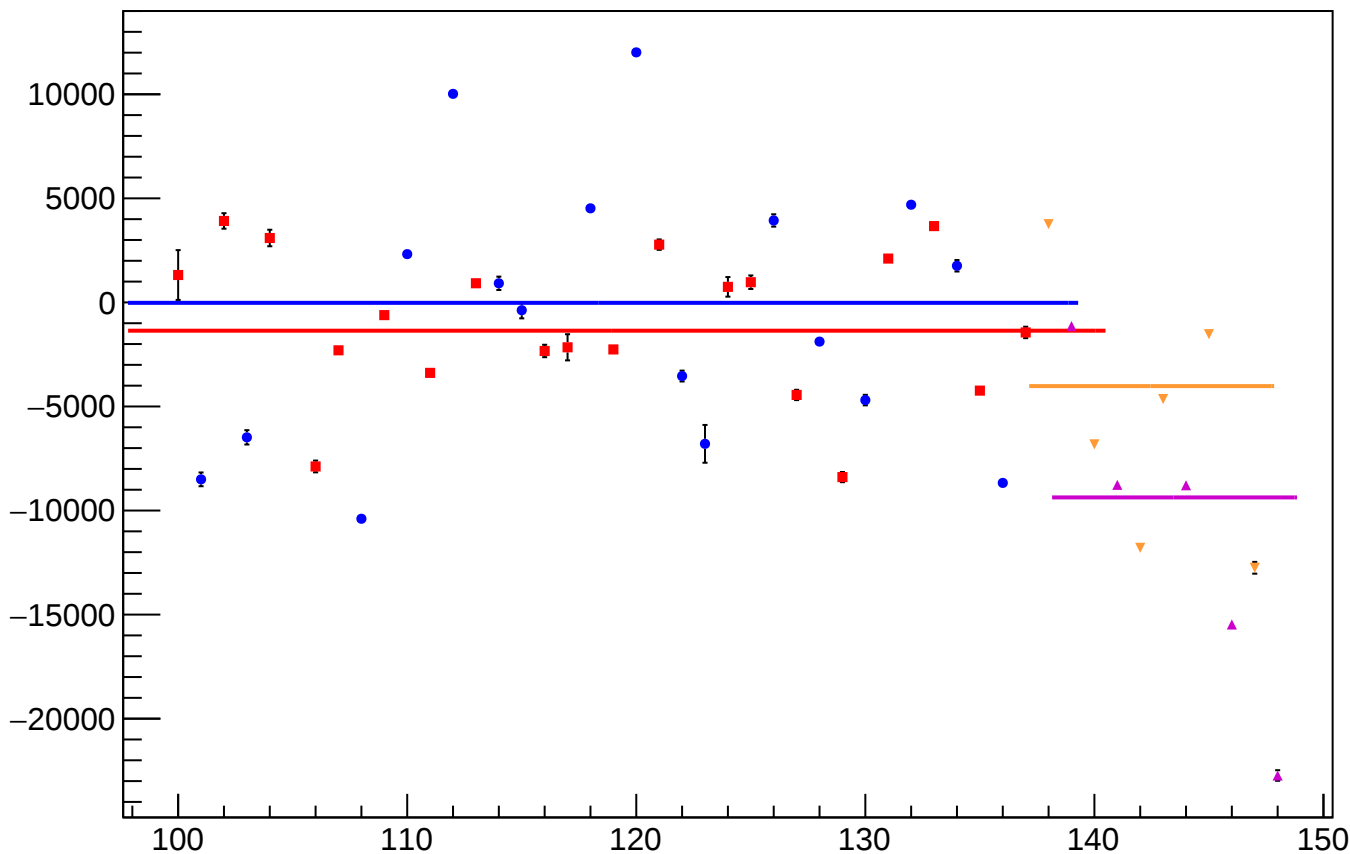
Left In: 101.128 +/- 0.036 χ^2/NDF : 29853.1/4

97.966 +/- 0.022 χ^2/NDF : 898877.2/22

97.621 +/- 0.015 χ^2/NDF : 1806279.6/47

97.291 +/- 0.022 χ^2/NDF : 906924.1/24

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -19.990 ± 54.643 $\chi^2/\text{NDF}: 16361.0/16$

Left Out: -4021.316 ± 79.447 $\chi^2/\text{NDF}: 4916.1/5$

Right Out: -1359.001 ± 52.186 $\chi^2/\text{NDF}: 3838.8/19$

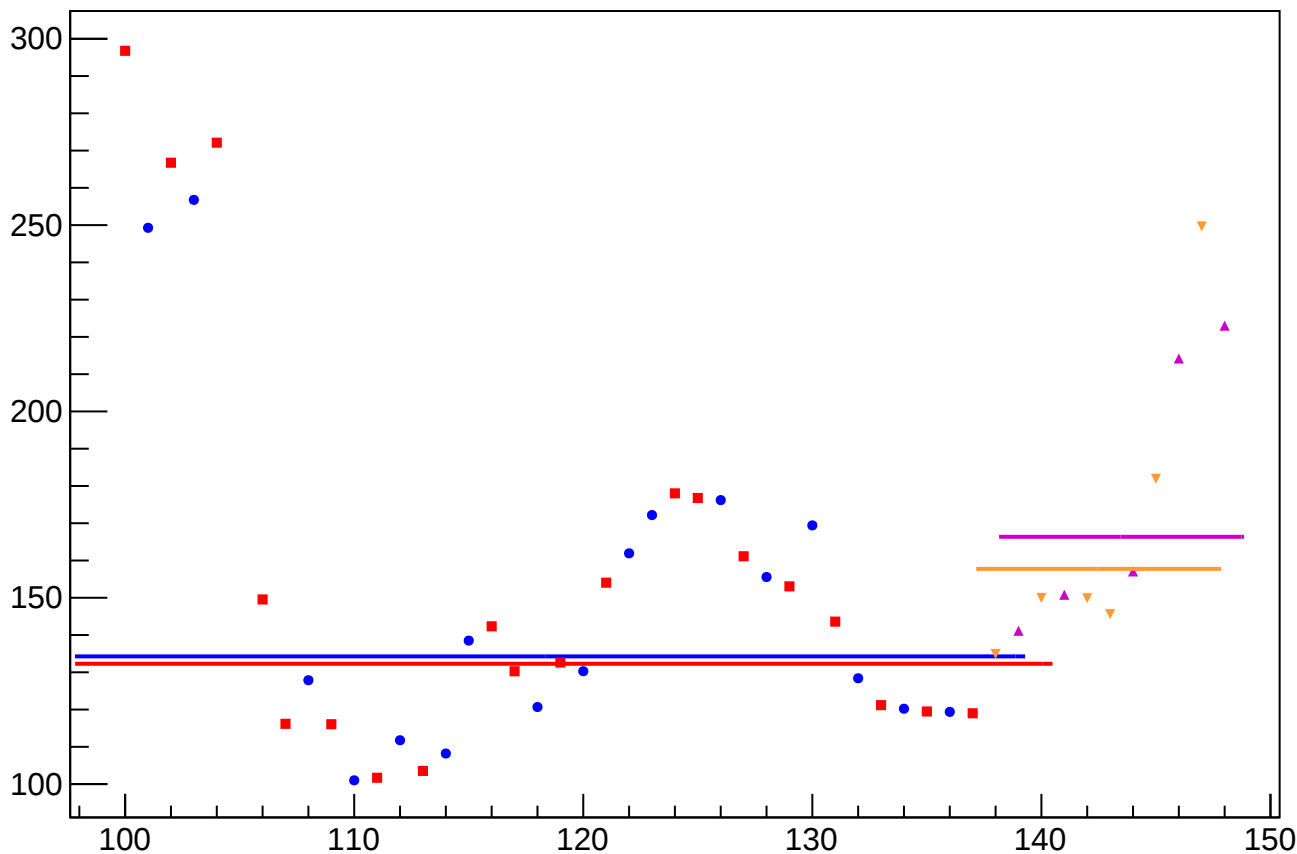
Left In: -9369.501 ± 85.446 $\chi^2/\text{NDF}: 5682.2/4$

-1304.985 ± 45.022 $\chi^2/\text{NDF}: 22999.1/22$

-2432.207 ± 31.662 $\chi^2/\text{NDF}: 40161.5/47$

-3535.234 ± 44.537 $\chi^2/\text{NDF}: 15922.2/24$

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 134.268 $\pm$ 0.039 χ^2 /NDF: 788647.0/16

Left Out: 157.755 $\pm$ 0.056 χ^2 /NDF: 294749.3/5

Right Out: 132.288 $\pm$ 0.037 χ^2 /NDF: 869913.4/19

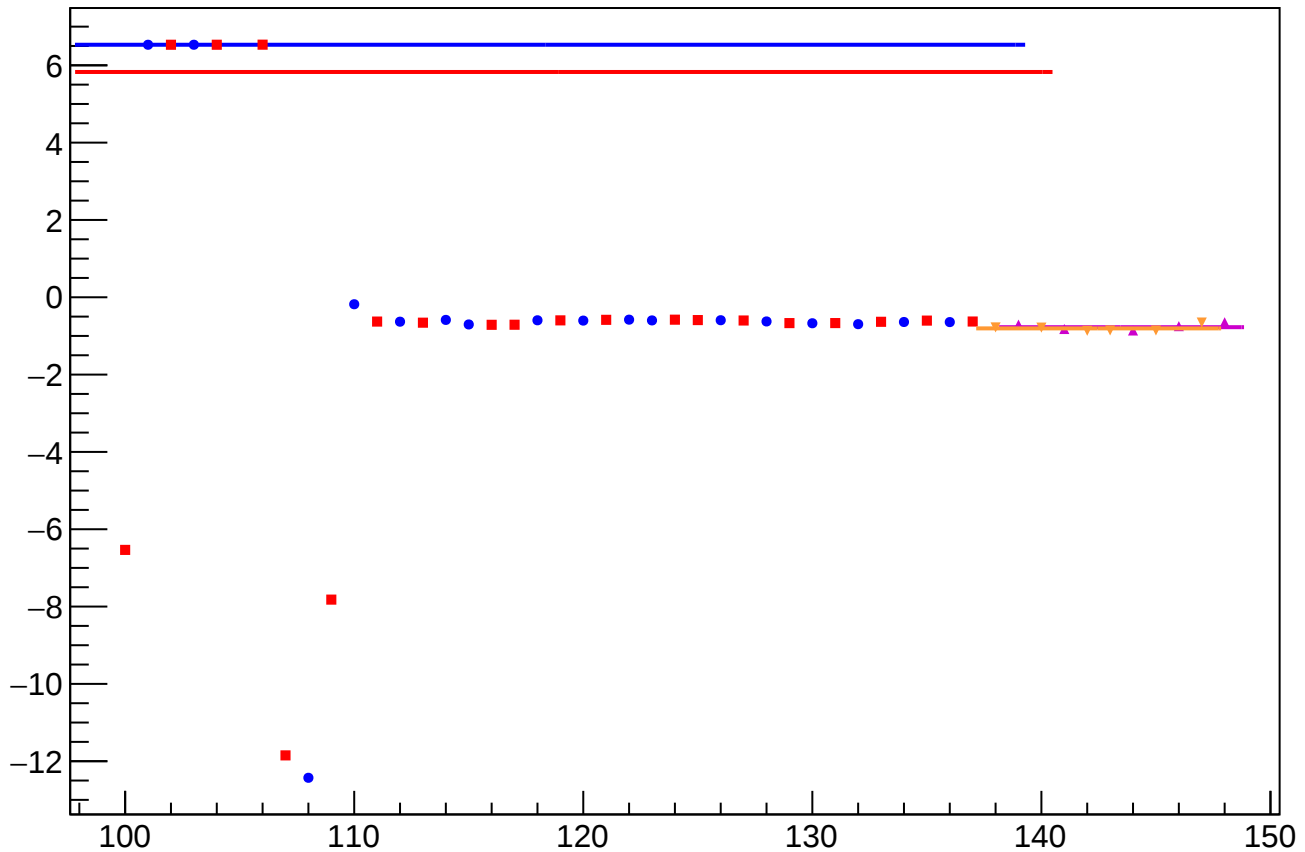
Left In: 166.363 $\pm$ 0.060 χ^2 /NDF: 245747.0/4

141.810 $\pm$ 0.032 χ^2 /NDF: 1202061.4/22

141.676 $\pm$ 0.022 χ^2 /NDF: 2549406.2/47

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: -0.805+/-0.000 χ^2/NDF : 24878630.1/5

Right Out: 5.827+/-0.000 χ^2/NDF : 755949520765363.8/19

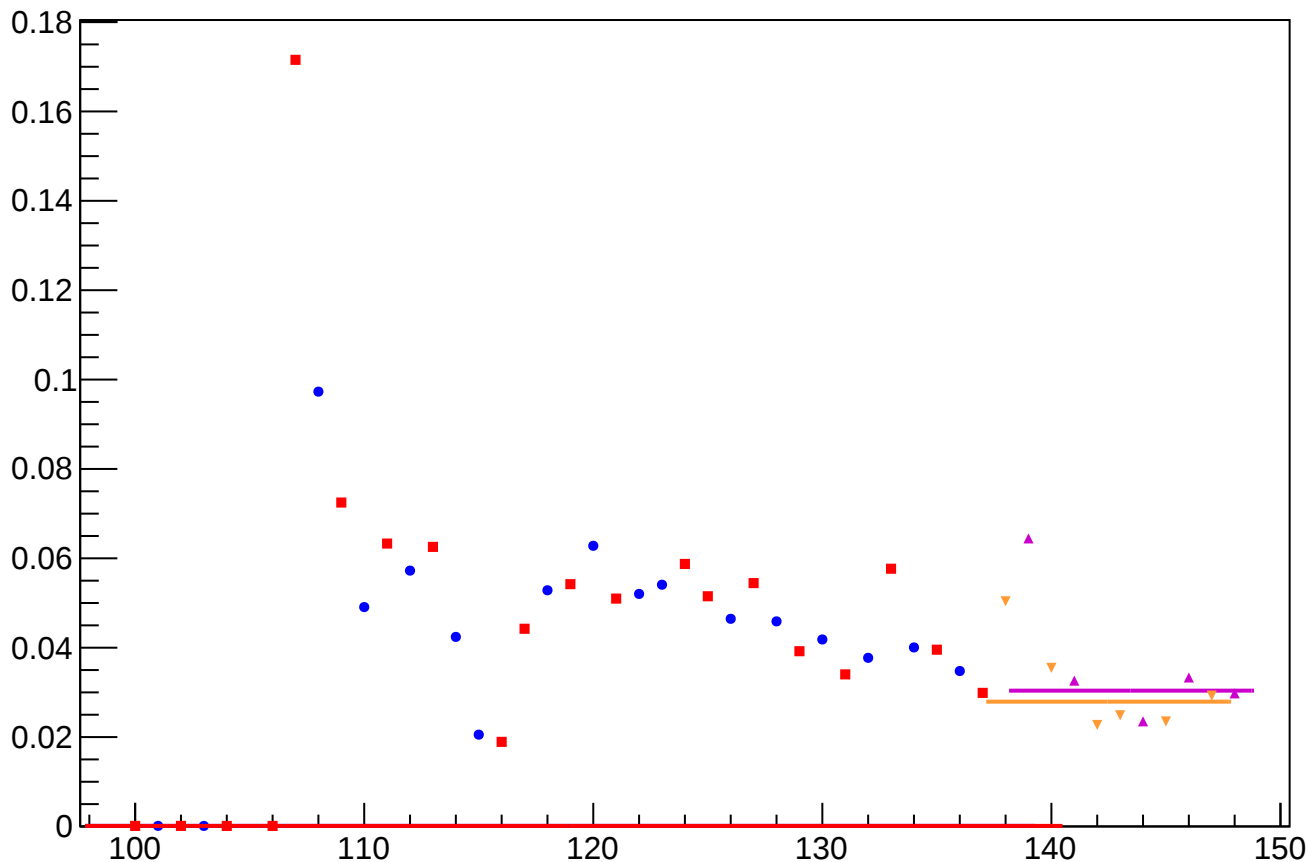
Left In: -0.773+/-0.000 χ^2/NDF : 22740669.7/4

6.531+/-0.000 χ^2/NDF : 329212651060.2/22

6.154+/-0.000 χ^2/NDF : 77641381921411

5.827+/-0.000 χ^2/NDF : 756087386284199.0/24

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.028 $\pm$ 0.000 χ^2/NDF : 376527.3/5

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 9453181.1/19

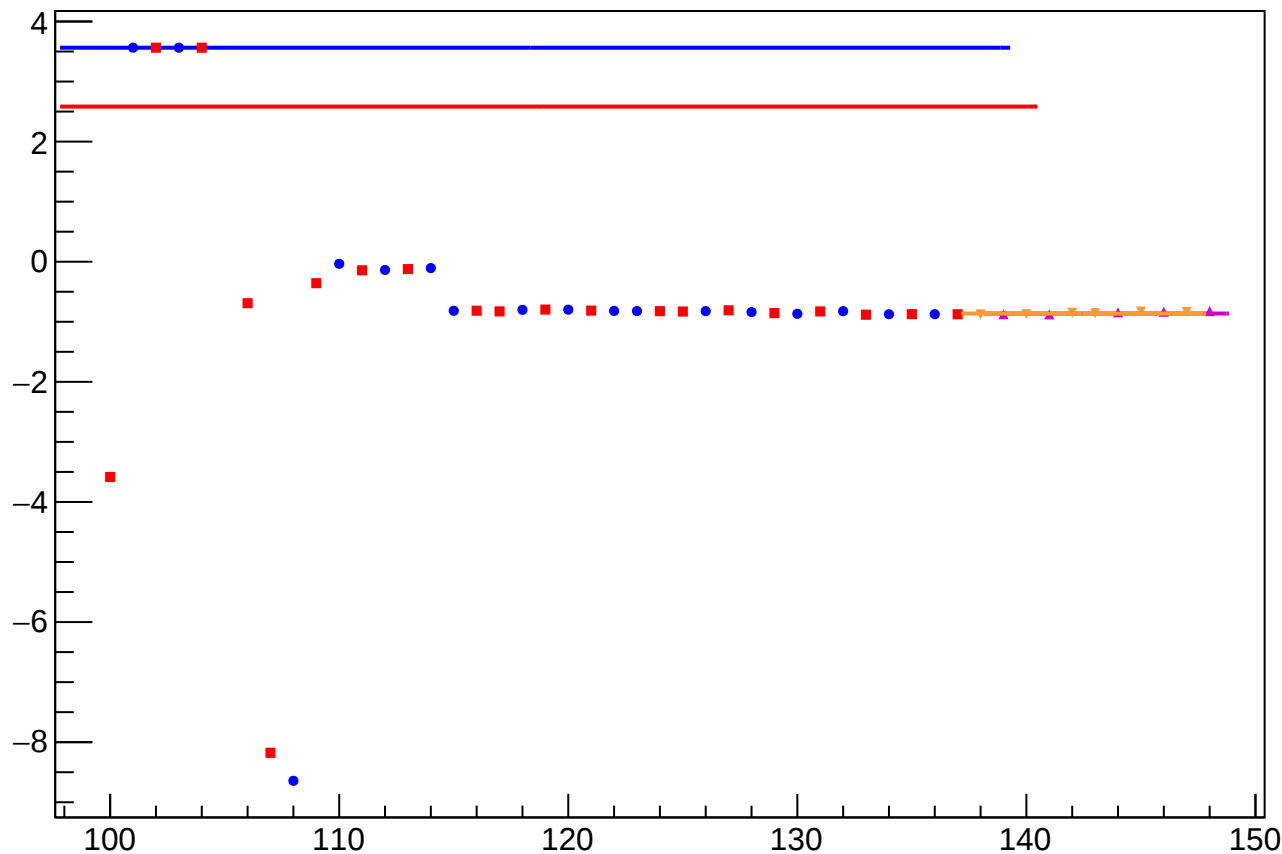
Left In: 0.030 $\pm$ 0.000 χ^2/NDF : 489365.8/4

0.000 $\pm$ 0.000 χ^2/NDF : 15186368.2/22

0.000 $\pm$ 0.000 χ^2/NDF : 30924990.8/47

0.000 $\pm$ 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: -0.863+/-0.000 χ^2/NDF : 12483864.8/5

Right Out: 2.583+/-0.000 χ^2/NDF : 1253506756008351.0/19

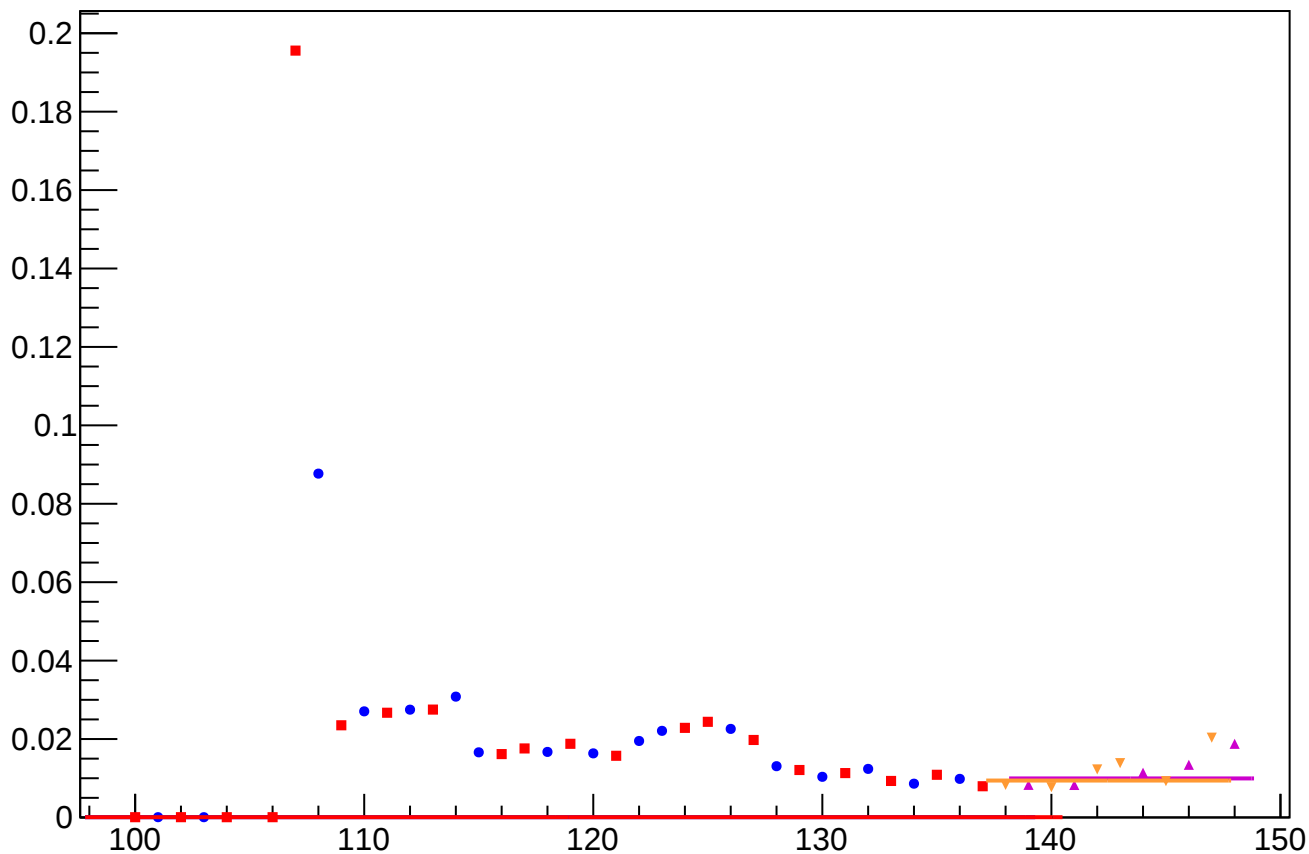
Left In: -0.862+/-0.000 χ^2/NDF : 11651530.6/4

3.563+/-0.000 χ^2/NDF : 1185461903660.4/22

3.040+/-0.000 χ^2/NDF : 13832836414663

2.583+/-0.000 χ^2/NDF : 1253877322586192.0/22

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9848258.0/16

Left Out: 0.009+/-0.000 χ^2/NDF : 614370.2/5

Right Out: 0.000+/-0.000 χ^2/NDF : 9955781.5/19

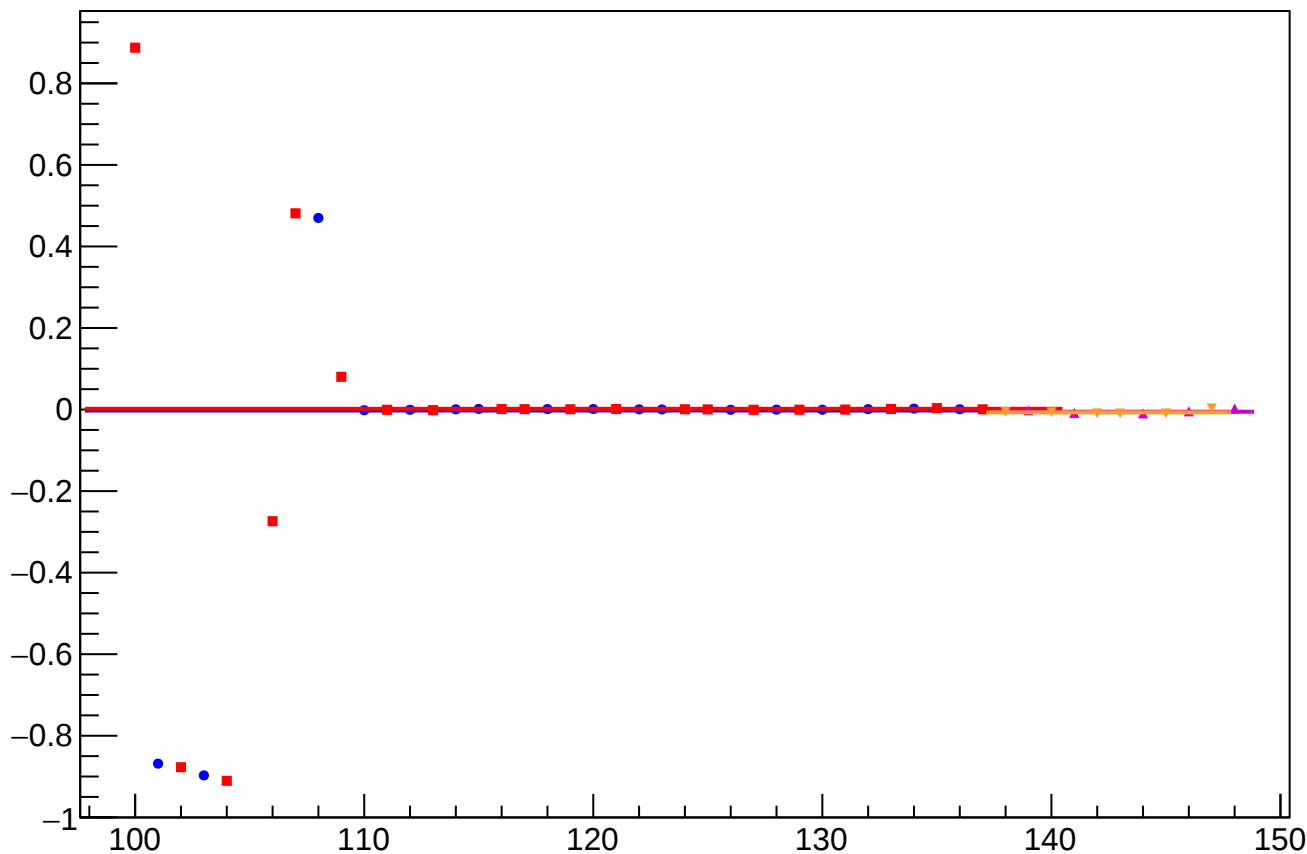
Left In: 0.010+/-0.000 χ^2/NDF : 515671.0/4

0.000+/-0.000 χ^2/NDF : 16690962.2/22

0.000+/-0.000 χ^2/NDF : 33260768.9/47

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: -0.007+/-0.000 χ^2/NDF : 27115668.0/5

Right Out: 0.002+/-0.000 χ^2/NDF : 3041335141.0/19

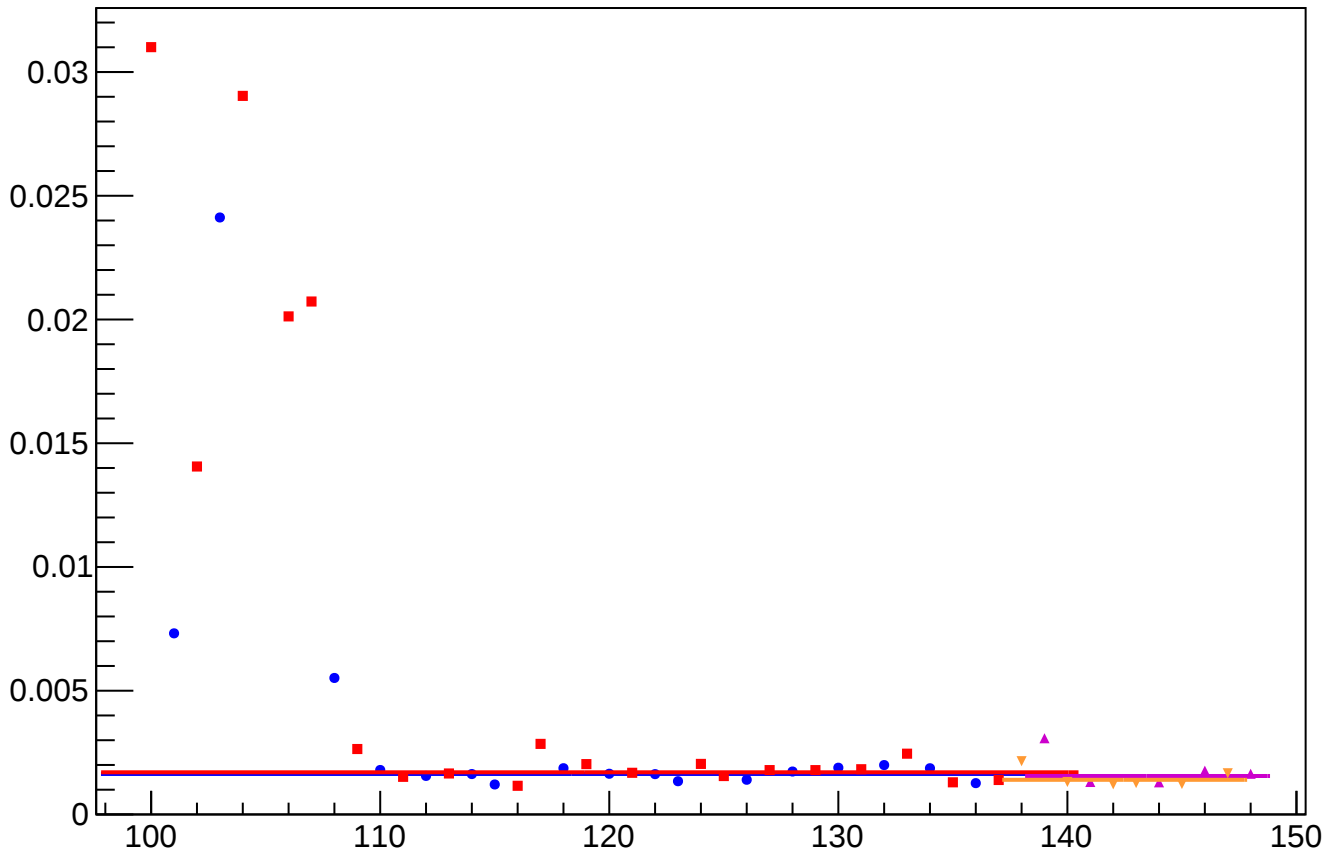
Left In: -0.005+/-0.000 χ^2/NDF : 26604178.3/4

-0.004+/-0.000 χ^2/NDF : 9839058899.0/22

-0.003+/-0.000 χ^2/NDF : 12956648013.0/4

-0.001+/-0.000 χ^2/NDF : 3103416510.7/24

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 1919127.9/16

Left Out: 0.001+/-0.000 χ^2/NDF : 225665.6/5

Right Out: 0.002+/-0.000 χ^2/NDF : 3038397.4/19

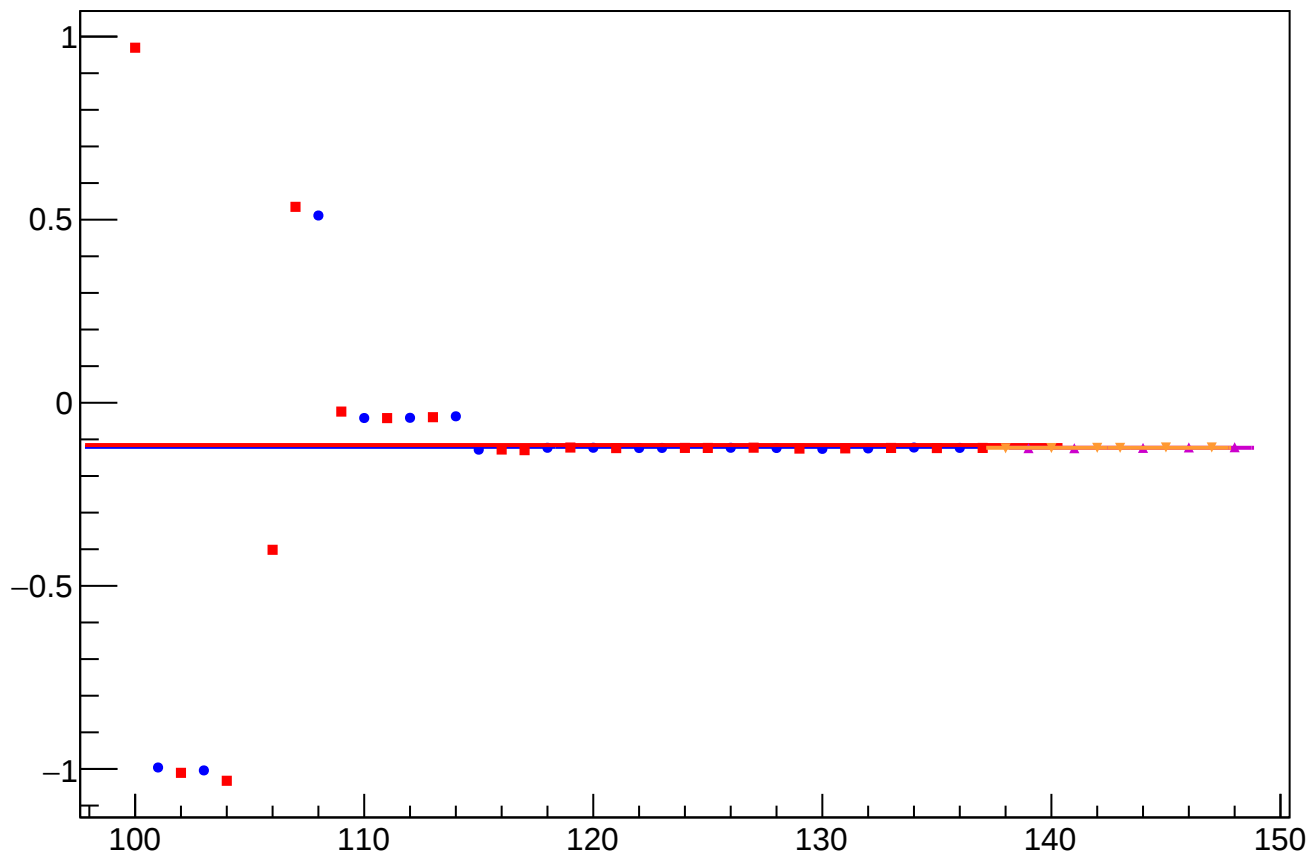
Left In: 0.002+/-0.000 χ^2/NDF : 441703.8/4

0.002+/-0.000 χ^2/NDF : 2233924.7/22

0.002+/-0.000 χ^2/NDF : 5782049.8/47

0.002+/-0.000 χ^2/NDF : 3510663.9/24

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 393231162.8/16

Left Out: -0.123+/-0.000 χ^2/NDF : 1877940.8/5

Right Out: -0.115+/-0.000 χ^2/NDF : 2458720596.9/19

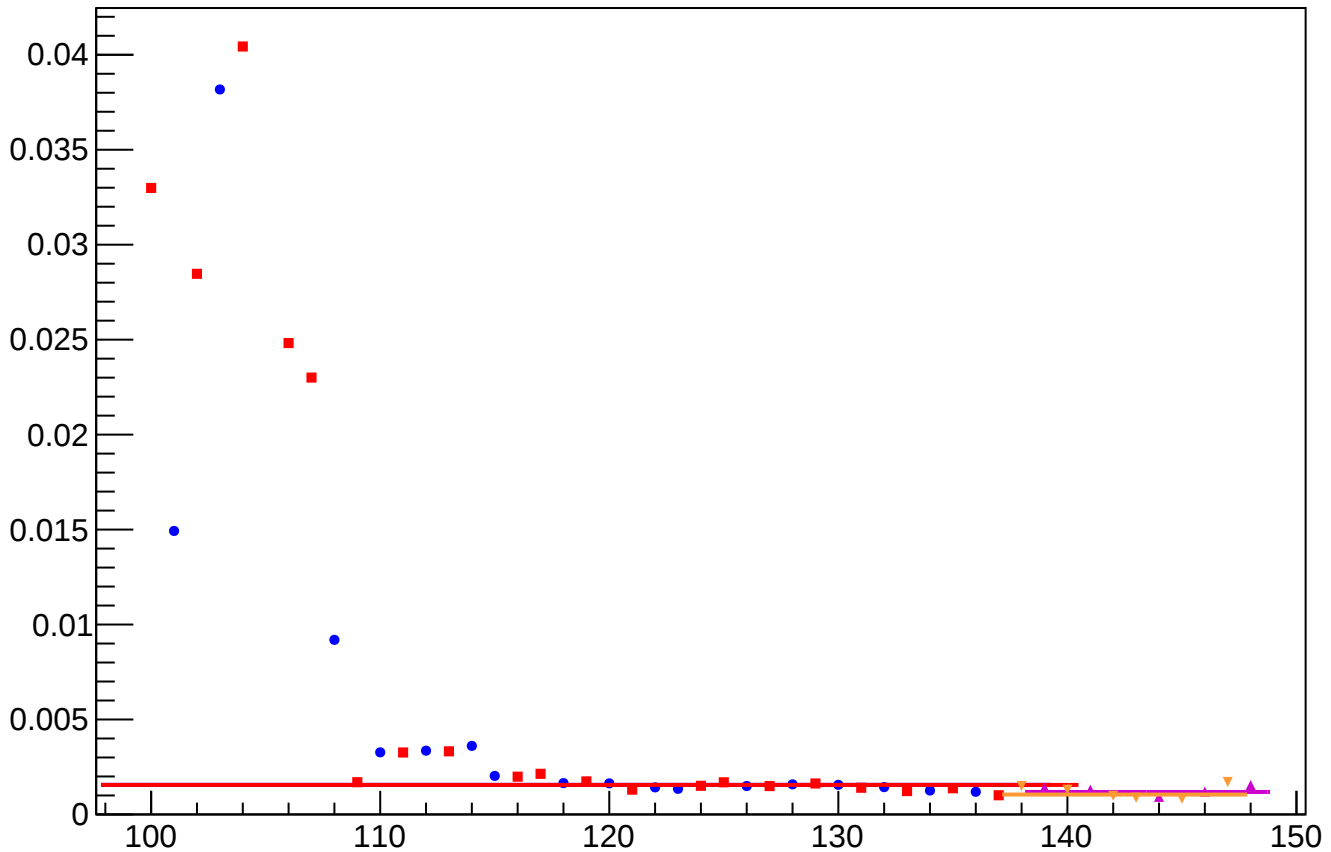
Left In: -0.123+/-0.000 χ^2/NDF : 2211934.3/4

-0.122+/-0.000 χ^2/NDF : 3941832801.9/22

-0.121+/-0.000 χ^2/NDF : 6474399546.0/47

-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:544445.6/5

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3544377.2/19

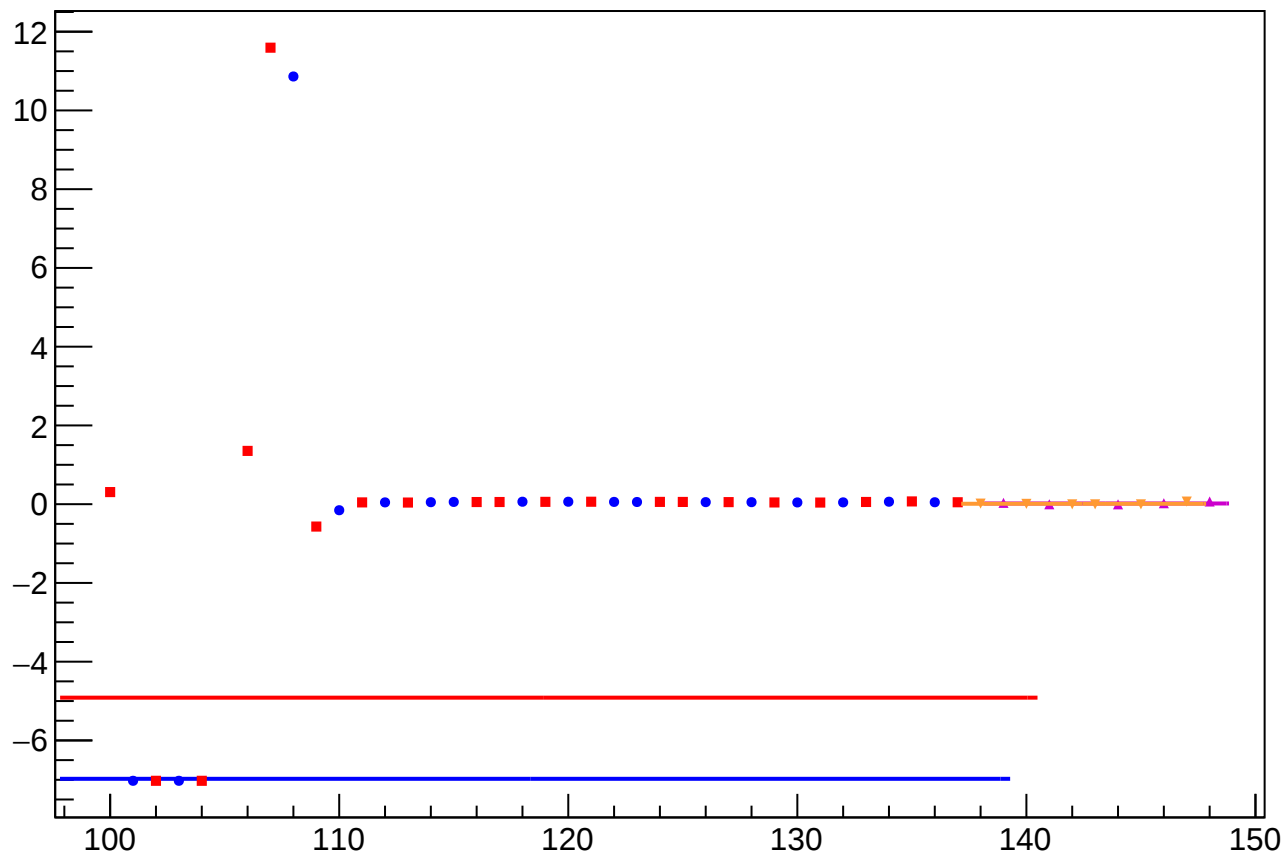
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:253842.9/4

0.001 $\pm$ 0.000 χ^2 /NDF: 4071023.1/22

0.001 $\pm$ 0.000 χ^2 /NDF: 8221499.9/47

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: 0.010 $\pm$ 0.000 χ^2/NDF : 26400333.1/5

Right Out: -4.914 $\pm$ 0.000 χ^2/NDF : 365366243956054.8/19

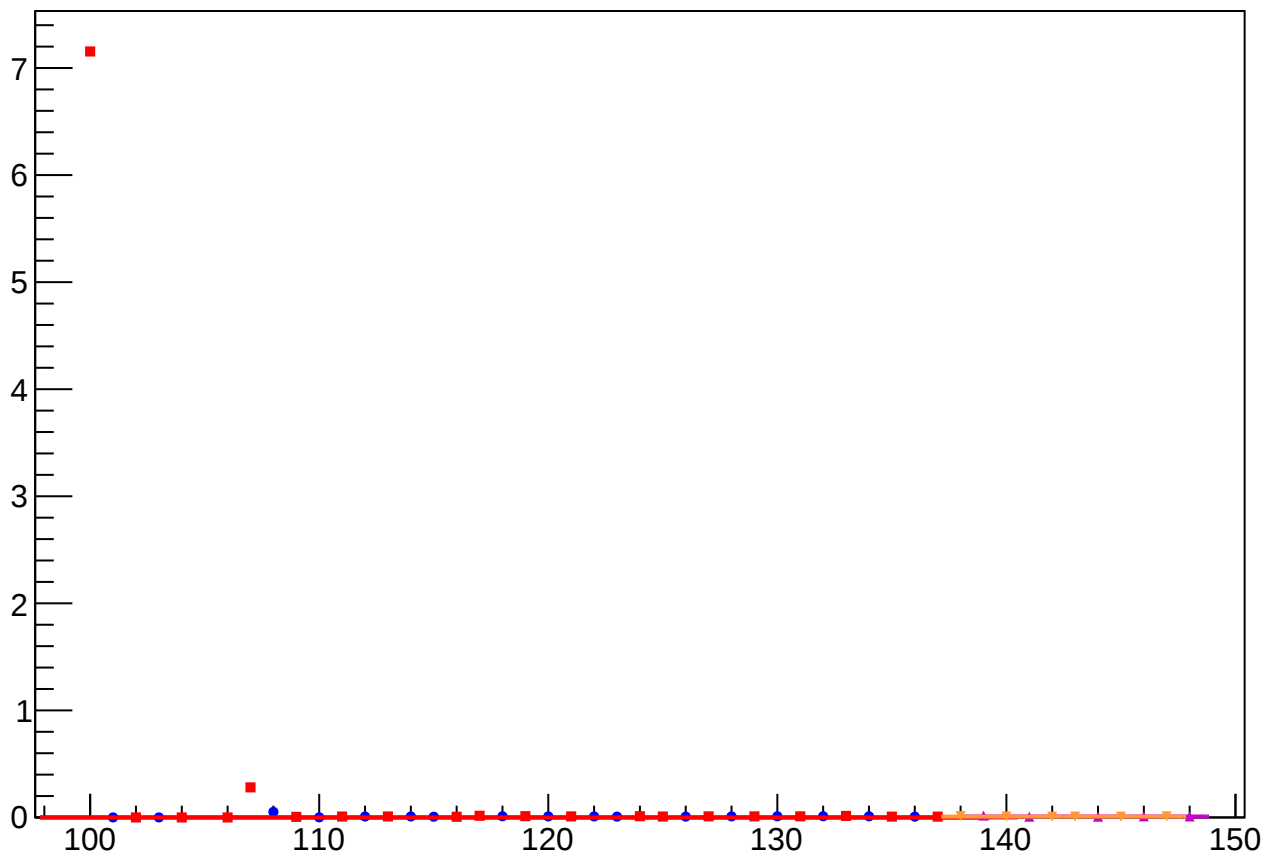
Left In: 0.018 $\pm$ 0.000 χ^2/NDF : 27891744.7/4

-6.963 $\pm$ 0.000 χ^2/NDF : 10900047341959.8/22

-5.891 $\pm$ 0.000 χ^2/NDF : 4331197013178

-4.907 $\pm$ 0.000 χ^2/NDF : 366242493410015.9/2

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8362763.6/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:229606.3/5

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8880914.4/19

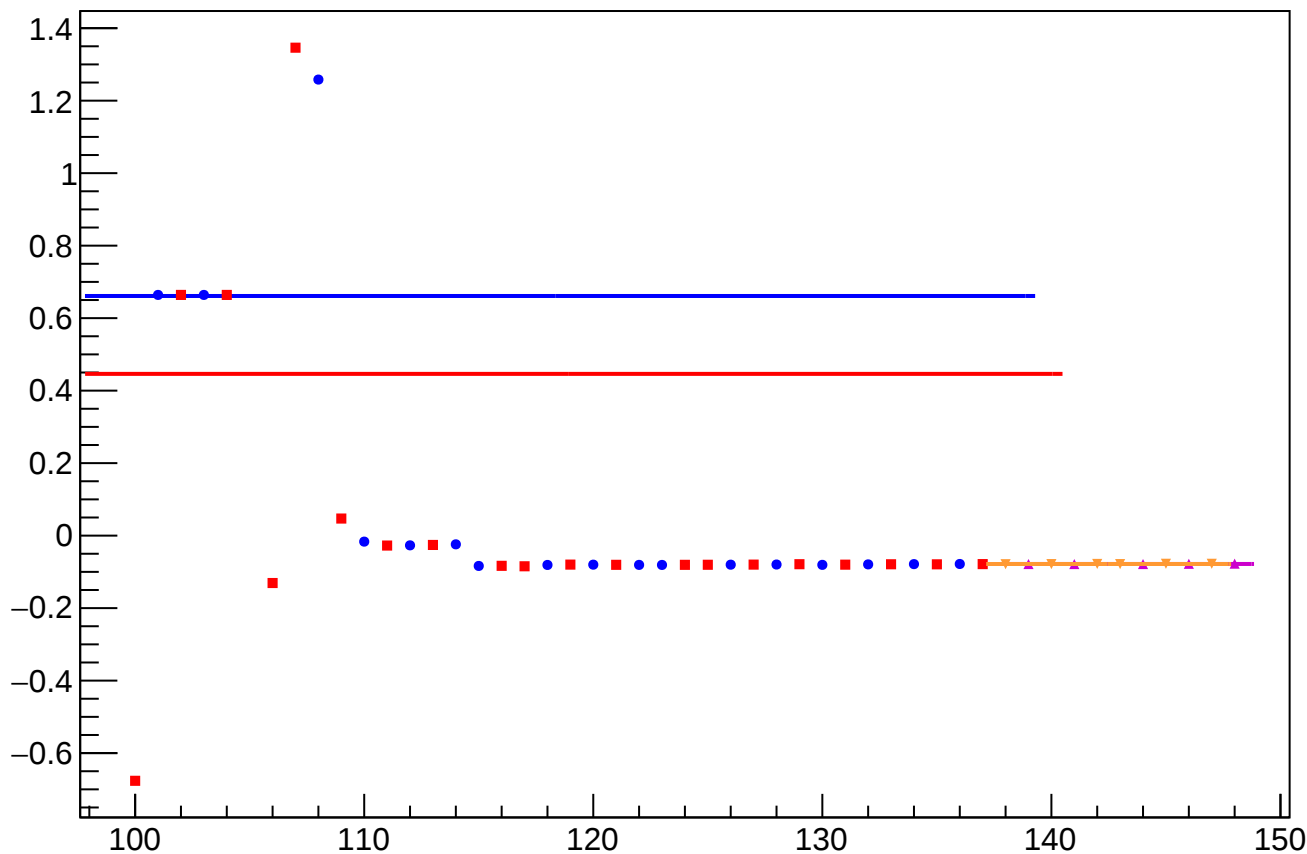
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:441465.1/4

0.000 $\pm$ 0.000 χ^2 /NDF: 14250538.1/22

0.000 $\pm$ 0.000 χ^2 /NDF: 29273389.2/47

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: 2373410.3/5

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405434749783850.4/19

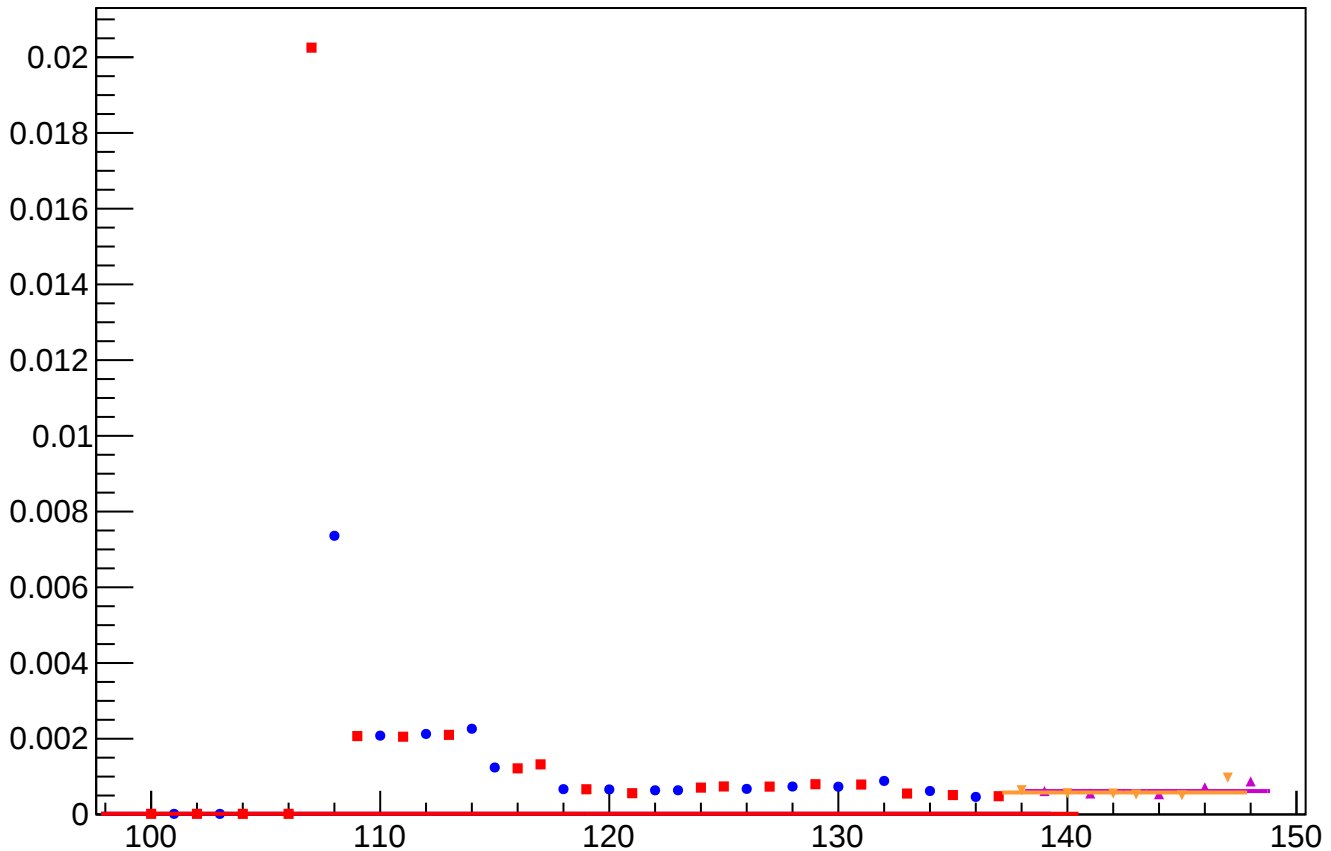
Left In: -0.078 $\pm$ 0.000 χ^2 /NDF: 1433246.1/4

0.658 $\pm$ 0.000 χ^2 /NDF: 11819723339062.5/22

0.546 $\pm$ 0.000 χ^2 /NDF: 48222534788003

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 :303517.8/5

Right Out: 0.000+/-0.000 χ^2/NDF : 9575039.3/19

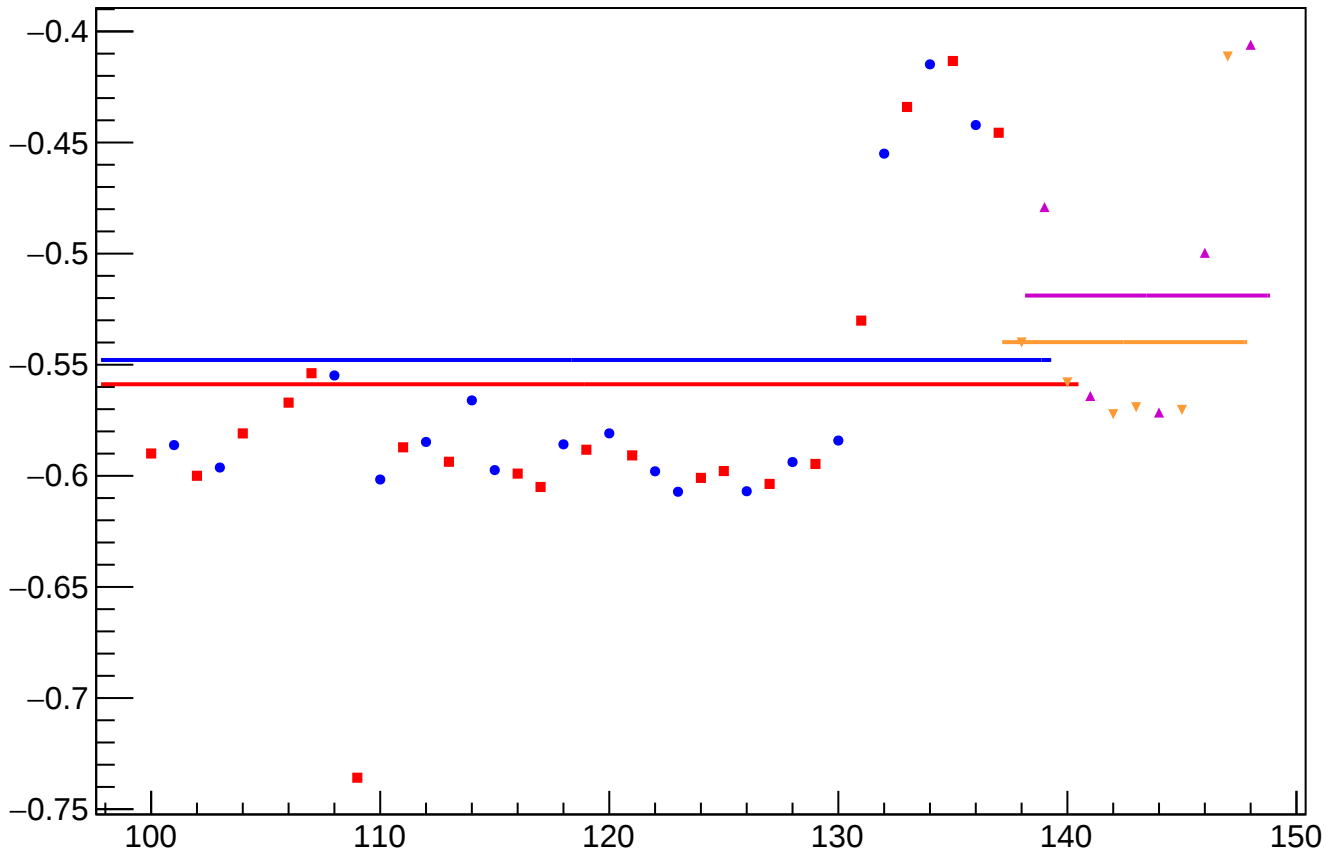
Left In: 0.001+/-0.000 χ^2/NDF :218961.3/4

0.000+/-0.000 χ^2/NDF : 17398073.2/22

0.000+/-0.000 χ^2/NDF : 34109714.8/47

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: -0.540+/-0.000 χ^2/NDF : 28153071.7/5

Right Out: -0.559+/-0.000 χ^2/NDF : 65741796.4/19

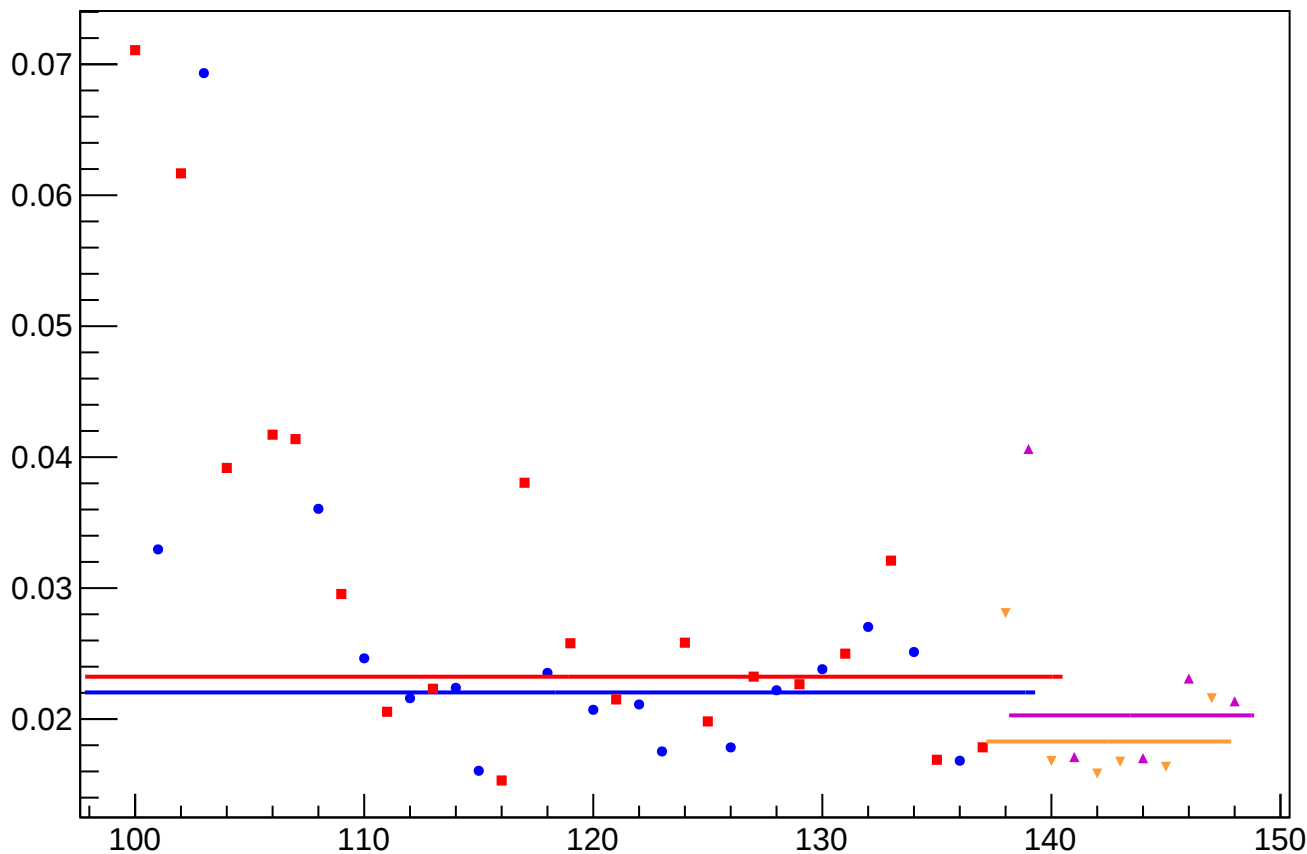
Left In: -0.519+/-0.000 χ^2/NDF : 29469548.7/4

-0.544+/-0.000 χ^2/NDF : 77041846.7/22

-0.543+/-0.000 χ^2/NDF : 178949274.4/47

-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: 0.018+/-0.000 χ^2/NDF : 218777.2/5

Right Out: 0.023+/-0.000 χ^2/NDF : 1169205.3/19

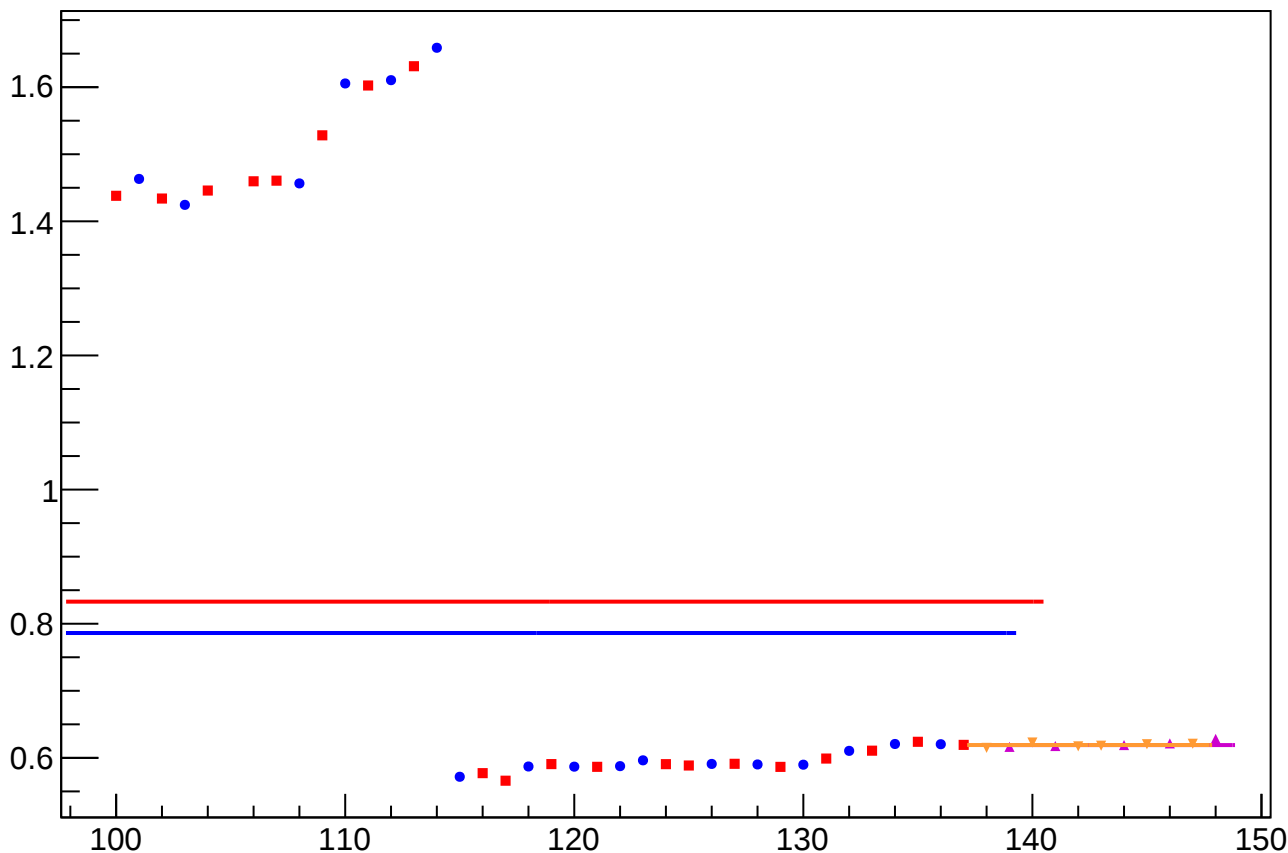
Left In: 0.020+/-0.000 χ^2/NDF : 447702.2/4

0.020+/-0.000 χ^2/NDF : 1312049.5/22

0.021+/-0.000 χ^2/NDF : 3052147.5/47

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: 0.619 $\pm$ 0.000 χ^2 /NDF:198195.3/5

Right Out: 0.833 $\pm$ 0.000 χ^2 /NDF: 4160348649.7/19

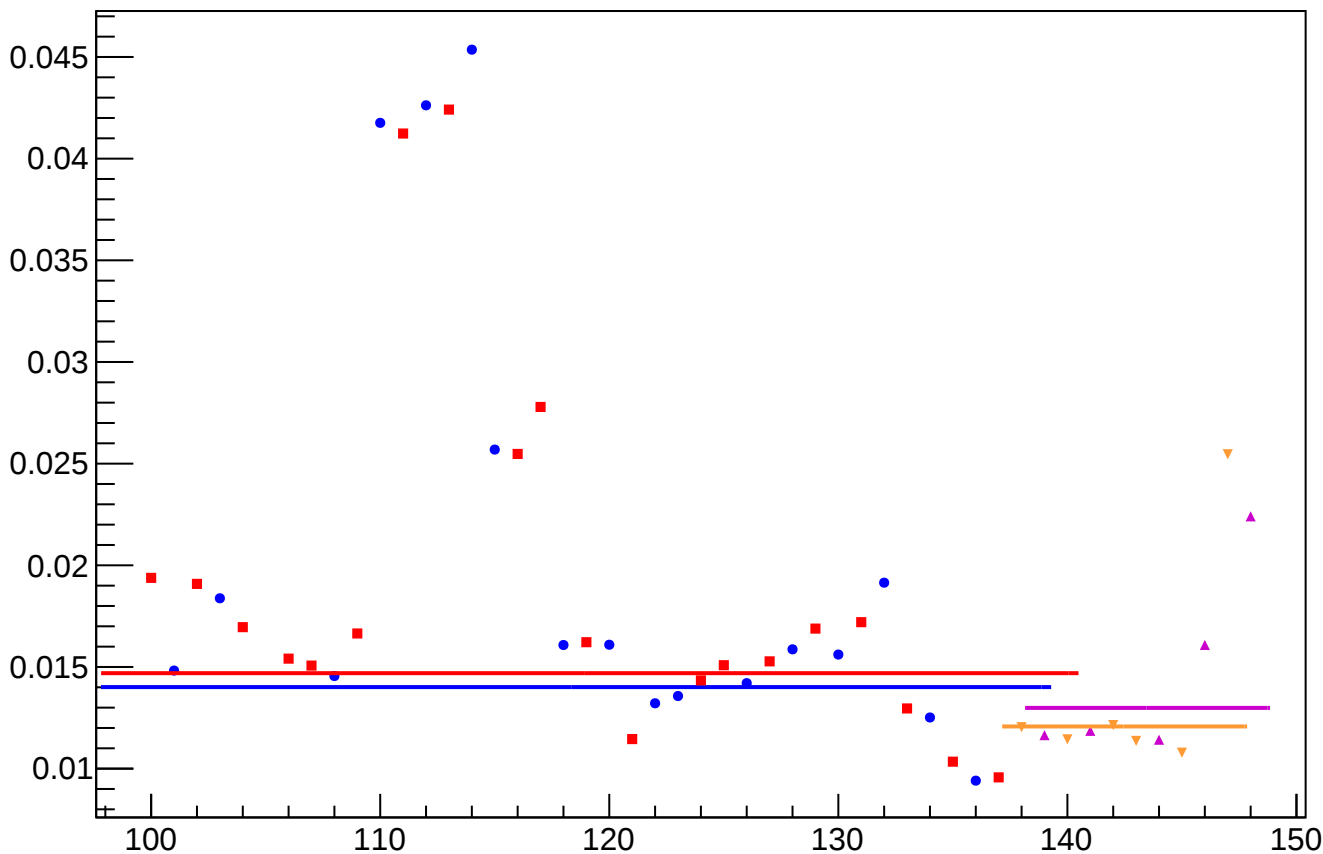
Left In: 0.619 $\pm$ 0.000 χ^2 /NDF:193020.0/4

0.707 $\pm$ 0.000 χ^2 /NDF: 3971487548.0/22

0.723 $\pm$ 0.000 χ^2 /NDF: 8714821152.3/47

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:441476.1/5

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1280473.4/19

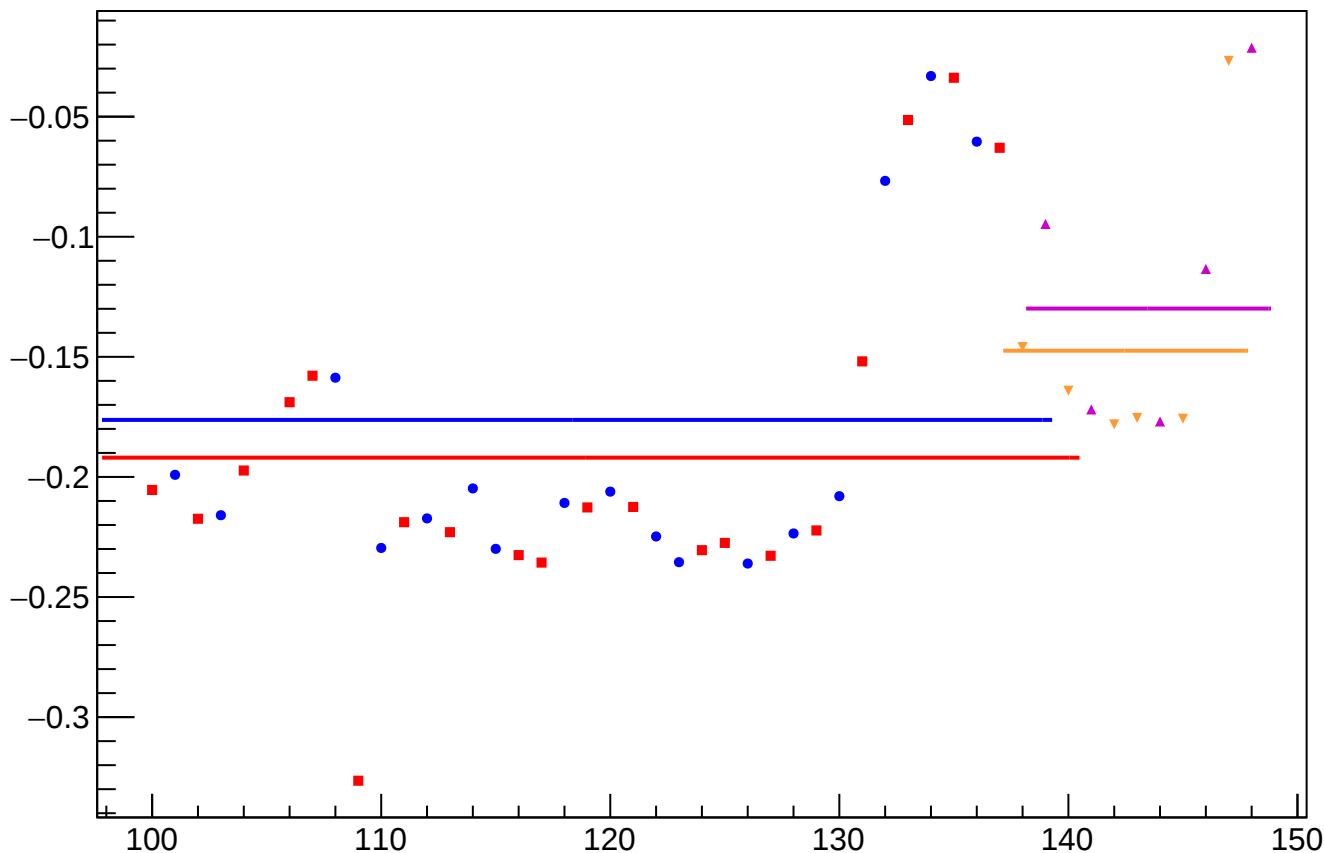
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:385696.8/4

0.013 $\pm$ 0.000 χ^2 /NDF: 1948780.6/22

0.014 $\pm$ 0.000 χ^2 /NDF: 3724059.6/47

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: -0.147+/-0.000 χ^2/NDF : 27529170.7/5

Right Out: -0.192+/-0.000 χ^2/NDF : 83899255.4/19

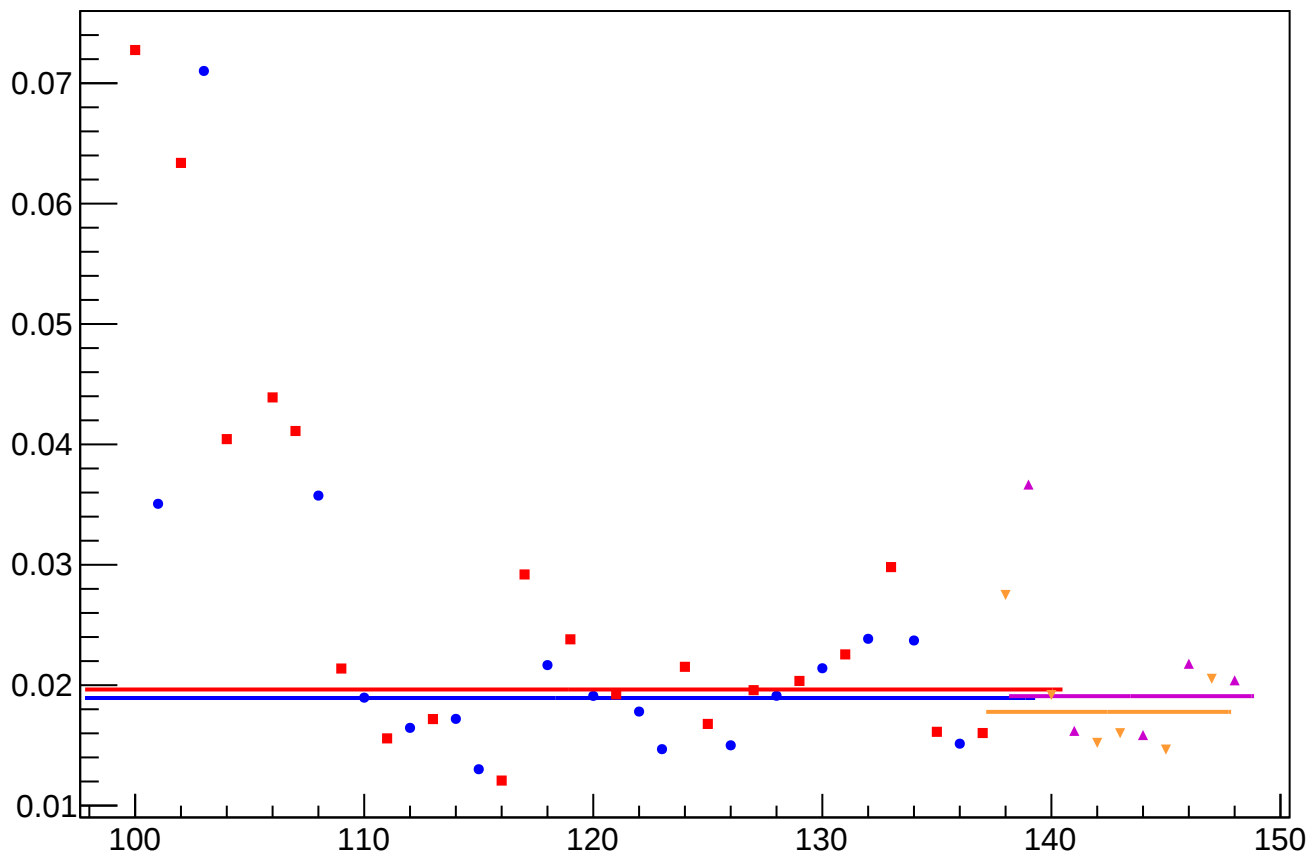
Left In: -0.130+/-0.000 χ^2/NDF : 29187157.9/4

-0.165+/-0.000 χ^2/NDF : 102369711.8/22

-0.166+/-0.000 χ^2/NDF : 235341841.3/47

-0.169+/-0.000 χ^2/NDF : 132791806.4/24

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.018+/-0.000 χ^2/NDF : 260420.4/5

Right Out: 0.020+/-0.000 χ^2/NDF : 1466285.9/19

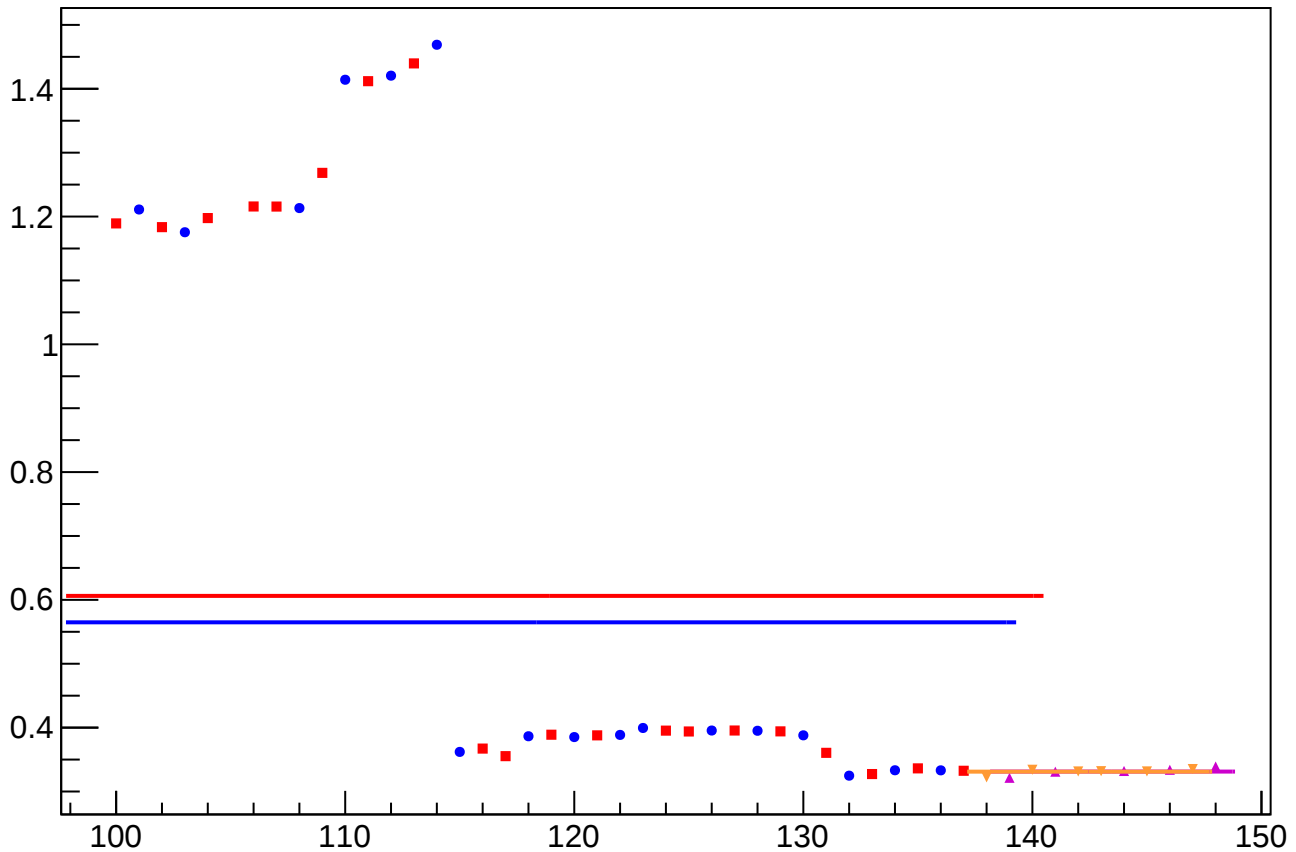
Left In: 0.019+/-0.000 χ^2/NDF : 425277.1/4

0.018+/-0.000 χ^2/NDF : 1481285.8/22

0.019+/-0.000 χ^2/NDF : 3397045.4/47

0.019+/-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: 0.331+/-0.000 χ^2/NDF : 405165.8/5

Right Out: 0.606+/-0.000 χ^2/NDF : 5517630064.2/19

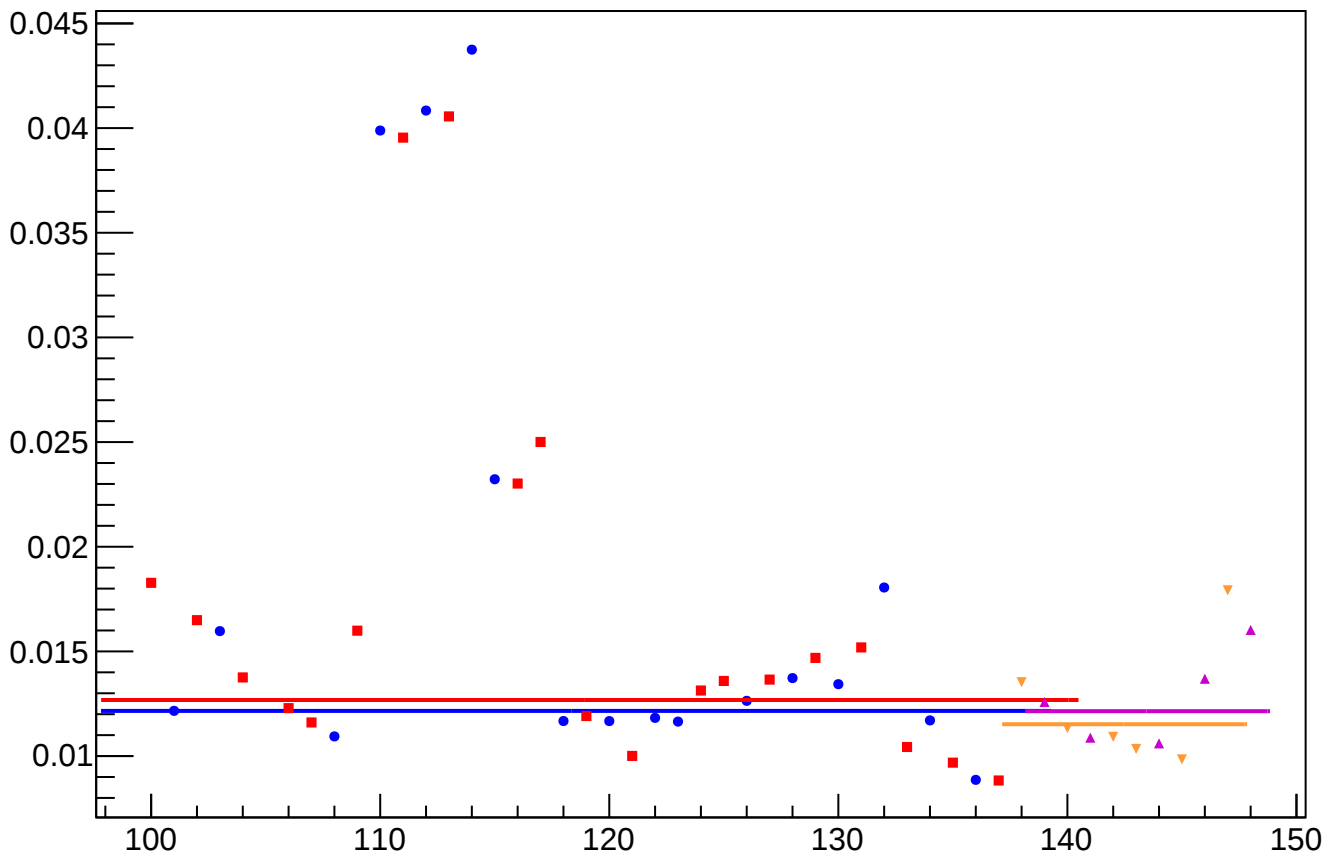
Left In: 0.331+/-0.000 χ^2/NDF : 621881.6/4

0.465+/-0.000 χ^2/NDF : 5930145063.3/22

0.479+/-0.000 χ^2/NDF : 12607946750.7/4

0.495+/-0.000 χ^2/NDF : 6648575123.0/24

yield bpm4eY rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1309888.8/16

Left Out: 0.012+/-0.000 χ^2/NDF :283821.9/5

Right Out: 0.013+/-0.000 χ^2/NDF : 1289415.7/19

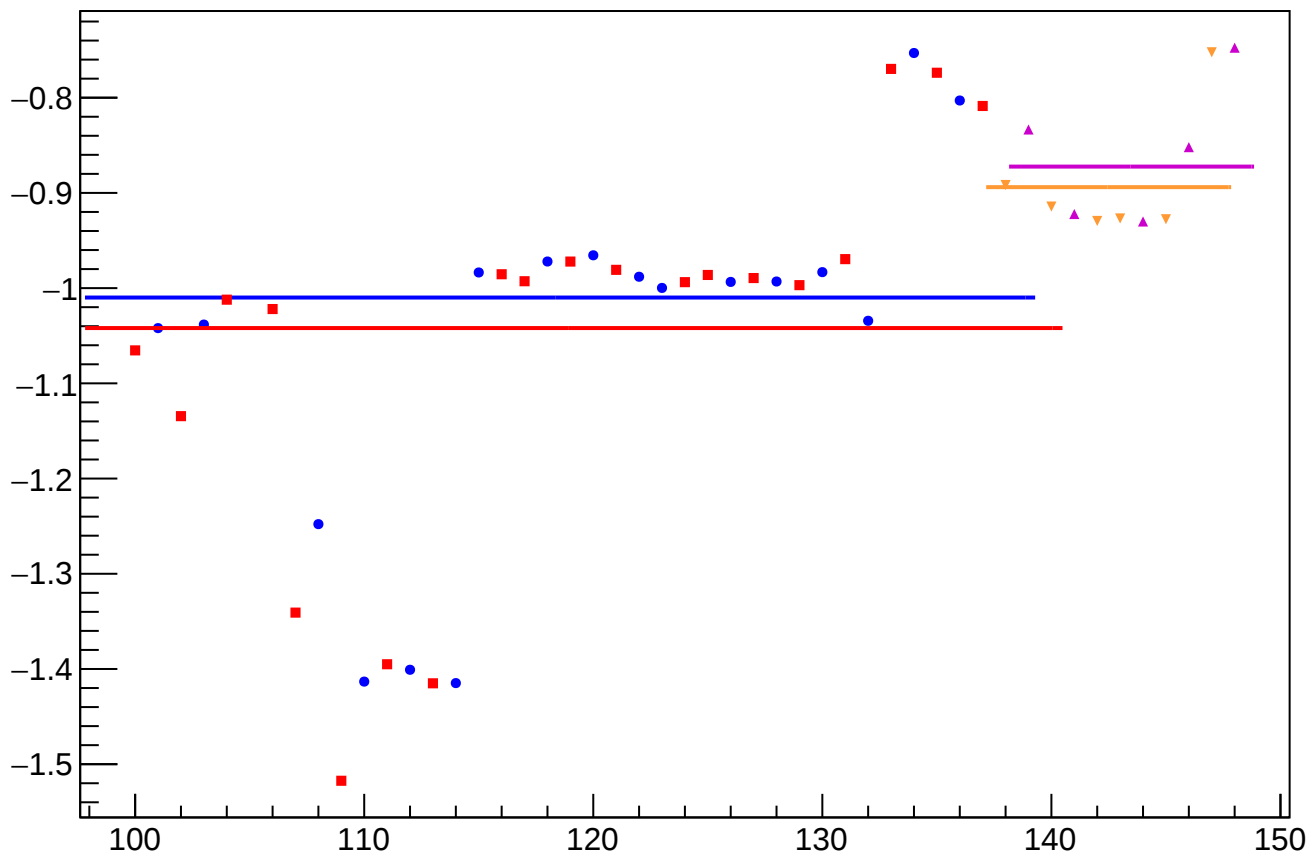
Left In: 0.012+/-0.000 χ^2/NDF :166530.0/4

0.012+/-0.000 χ^2/NDF : 1607059.2/22

0.012+/-0.000 χ^2/NDF : 3093069.0/47

0.012+/-0.000 χ^2/NDF : 1464478.7/24

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.010+/-0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.894+/-0.000 χ^2/NDF : 35899996.6/5

Right Out: -1.042+/-0.000 χ^2/NDF : 530175104.2/19

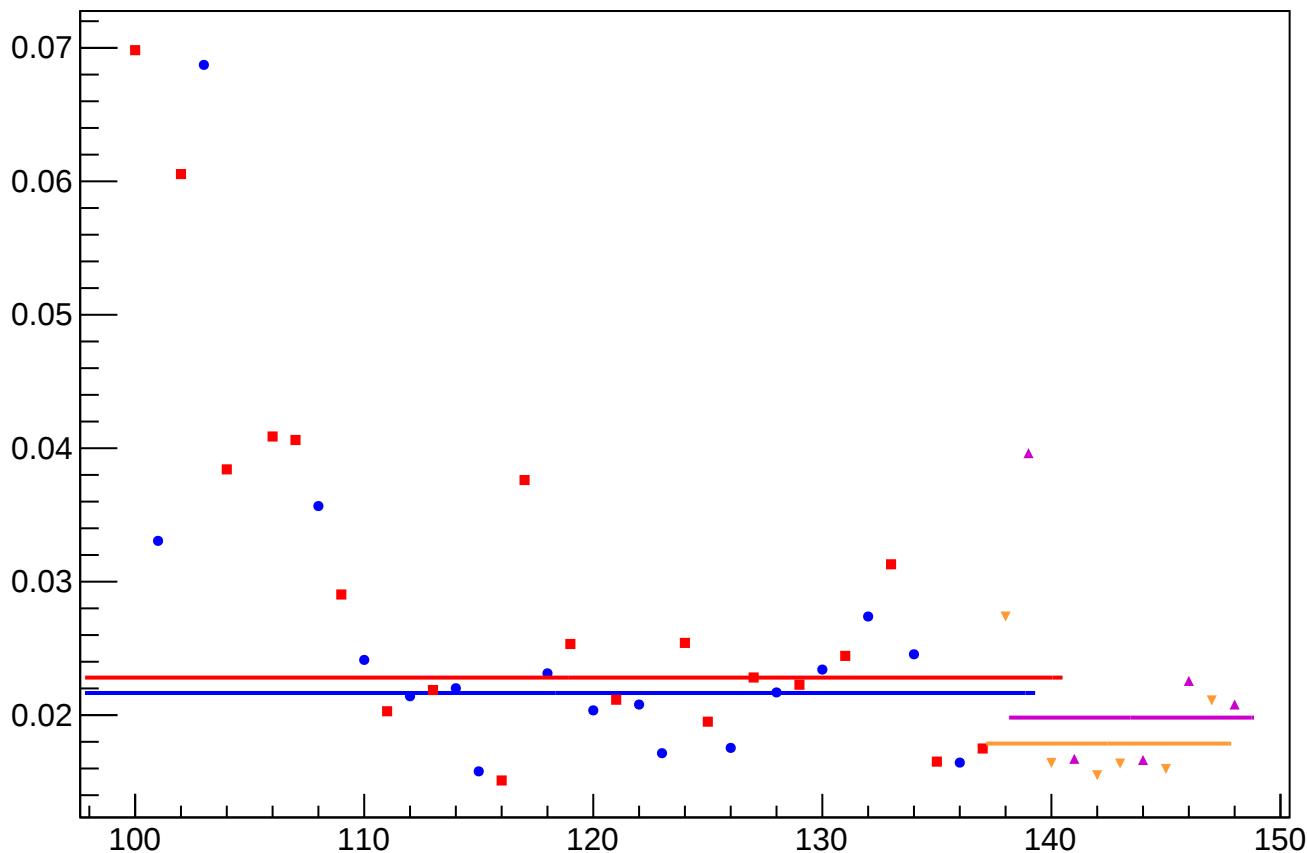
Left In: -0.872+/-0.000 χ^2/NDF : 37514566.1/4

-0.957+/-0.000 χ^2/NDF : 490514064.2/22

-0.963+/-0.000 χ^2/NDF : 1185131590.7/47

-0.970+/-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 : 217768.8/5

Right Out: 0.023+/-0.000 χ^2/NDF : 1165116.5/19

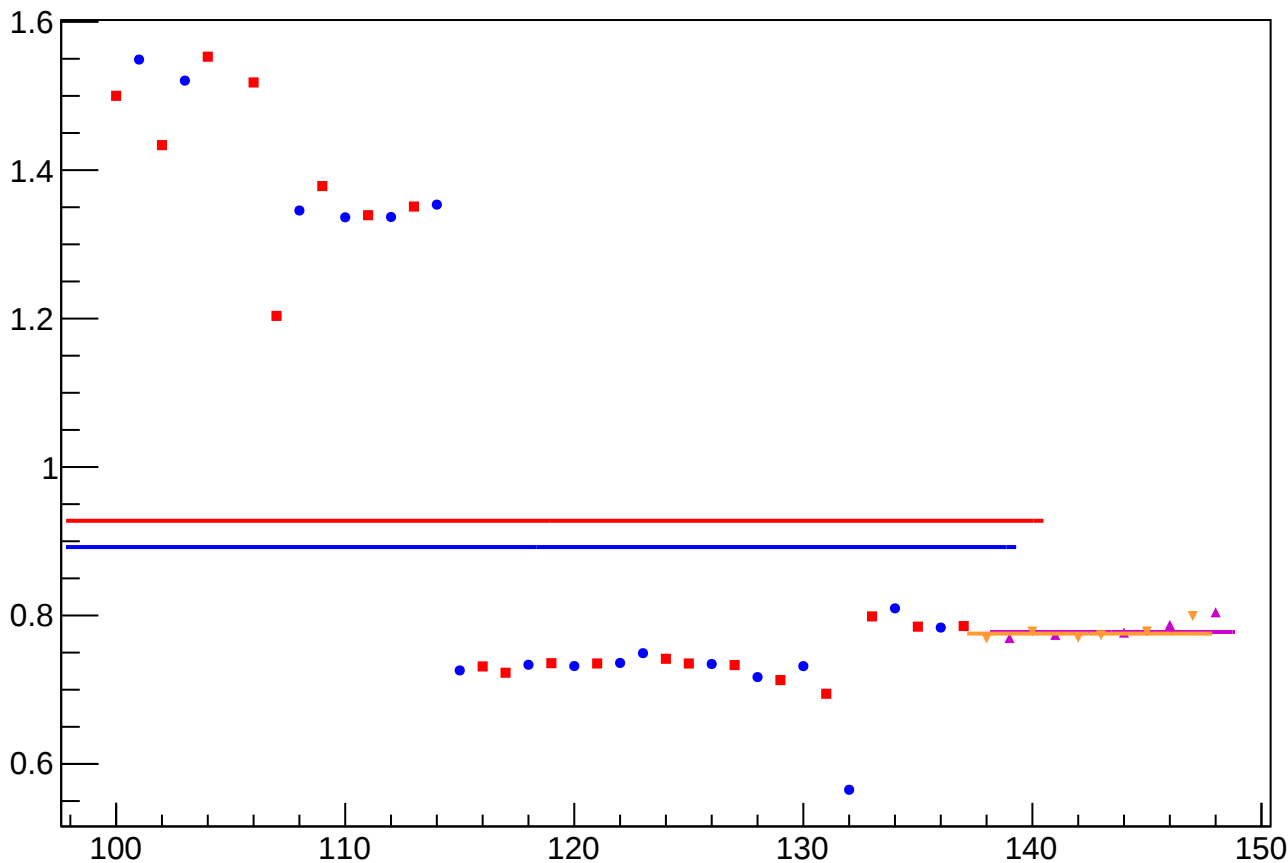
Left In: 0.020+/-0.000 χ^2/NDF : 445280.1/4

0.020+/-0.000 χ^2/NDF : 1344383.1/22

0.021+/-0.000 χ^2/NDF : 3082781.6/47

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: 0.776+/-0.000 χ^2/NDF :1050408.7/5

Right Out: 0.928+/-0.000 χ^2/NDF : 2439574936.7/19

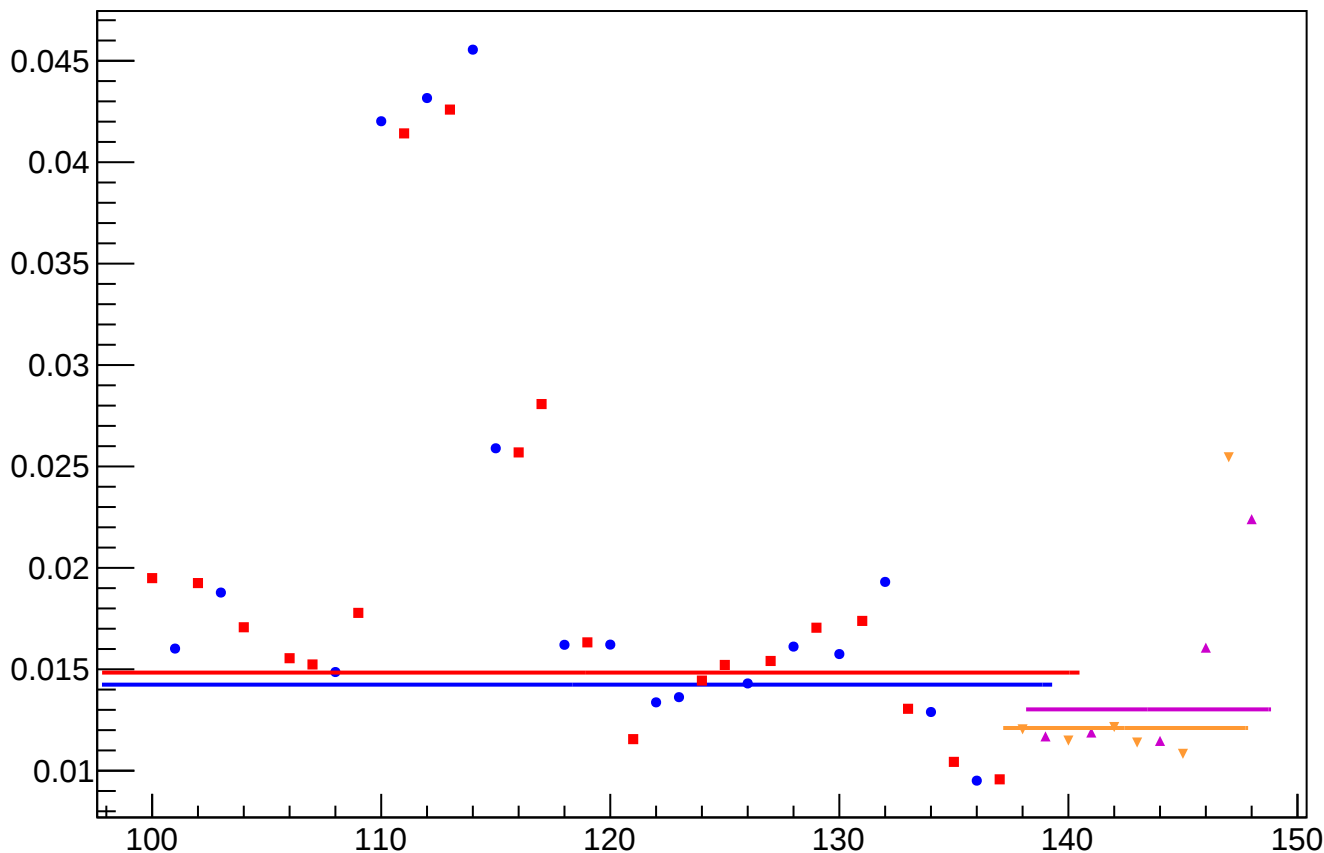
Left In: 0.778+/-0.000 χ^2/NDF :1732741.9/4

0.836+/-0.000 χ^2/NDF : 2596666377.5/22

0.848+/-0.000 χ^2/NDF : 5323740325.5/47

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 : 438071.2/5

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1291174.0/19

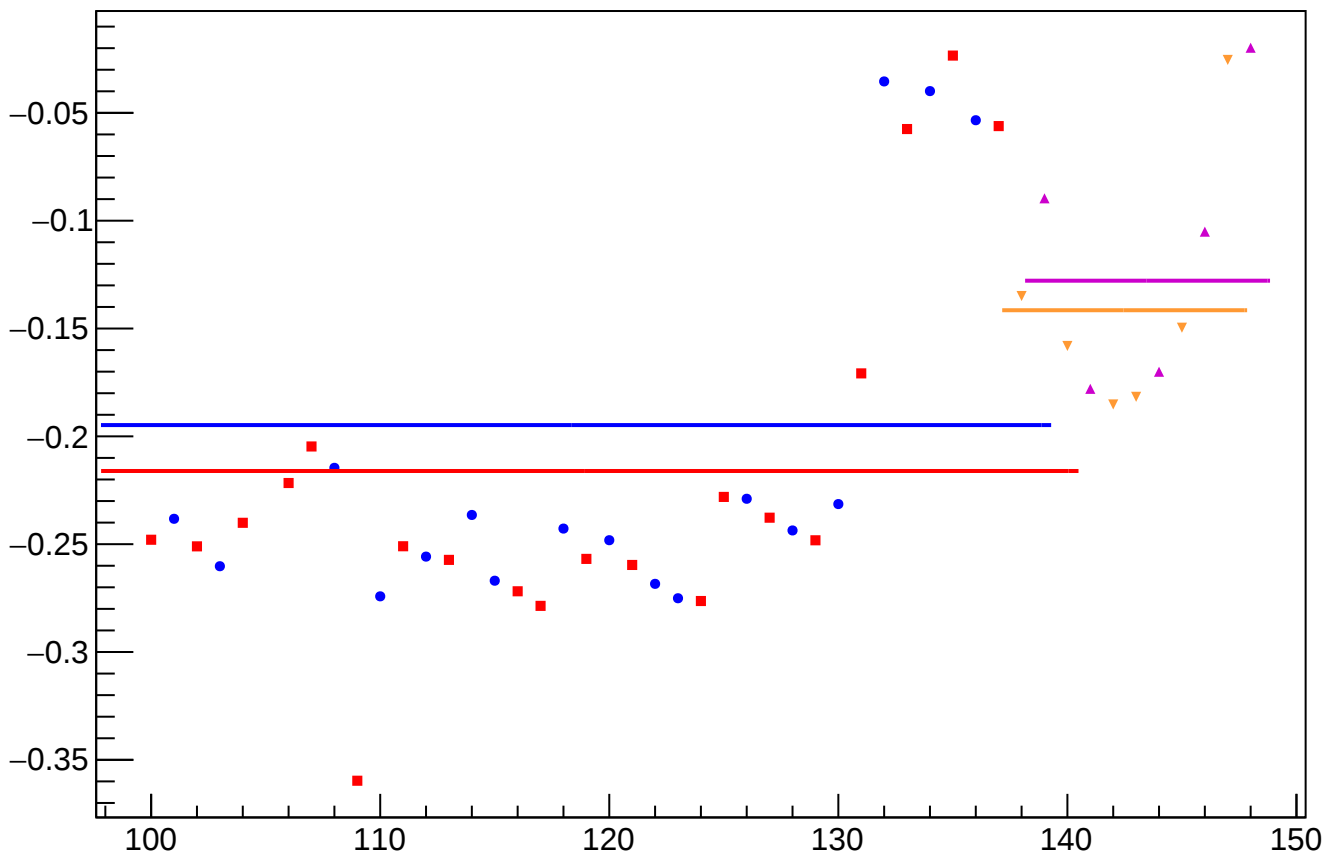
Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 381021.7/4

0.013 $\pm$ 0.000 χ^2/NDF : 1976010.5/22

0.014 $\pm$ 0.000 χ^2/NDF : 3761935.2/47

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: -0.142+/-0.000 χ^2/NDF : 26476497.7/5

Right Out: -0.216+/-0.000 χ^2/NDF : 112167032.2/19

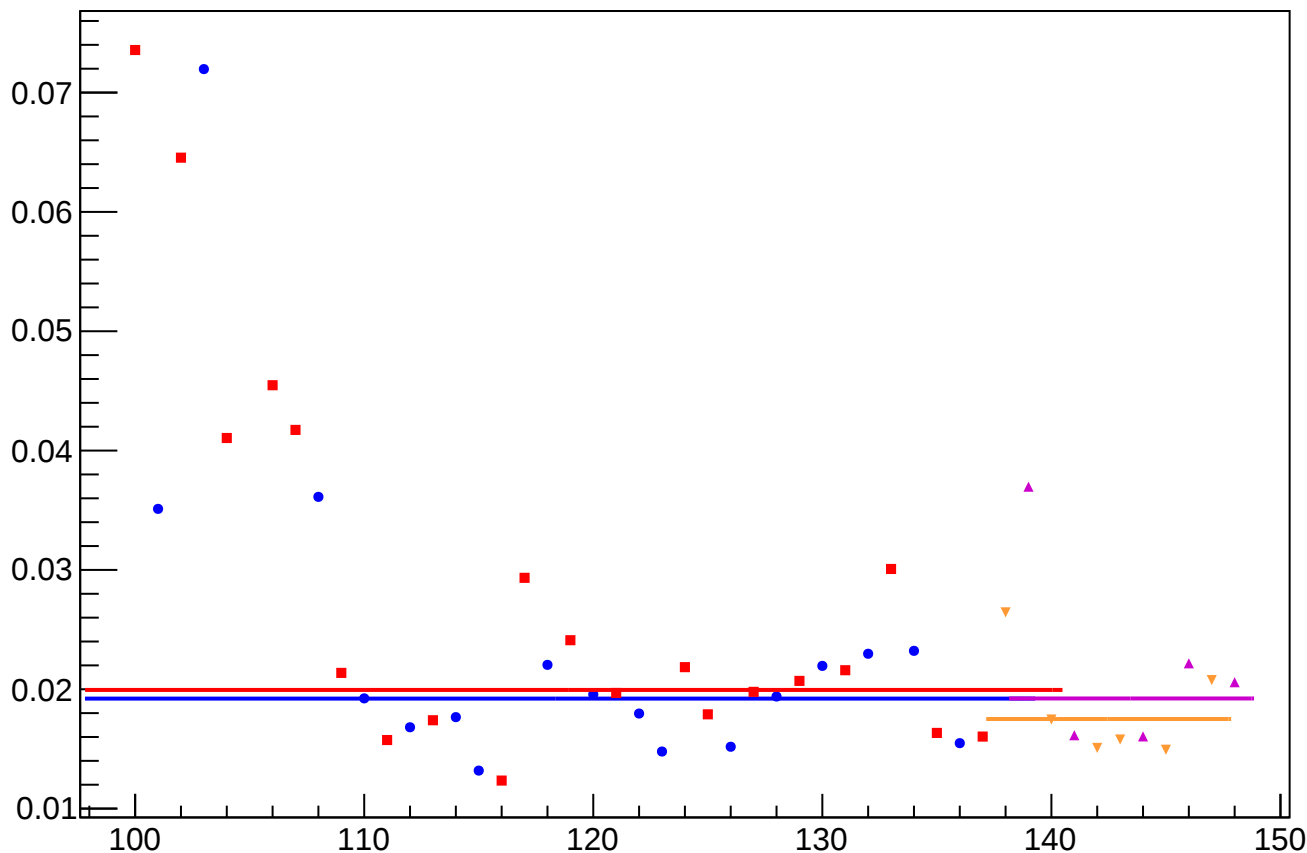
Left In: -0.128+/-0.000 χ^2/NDF : 29595207.8/4

-0.173+/-0.000 χ^2/NDF : 151195004.7/22

-0.177+/-0.000 χ^2/NDF : 332998643.0/47

-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 : 227953.1/5

Right Out: 0.020+/-0.000 χ^2/NDF : 1455211.7/19

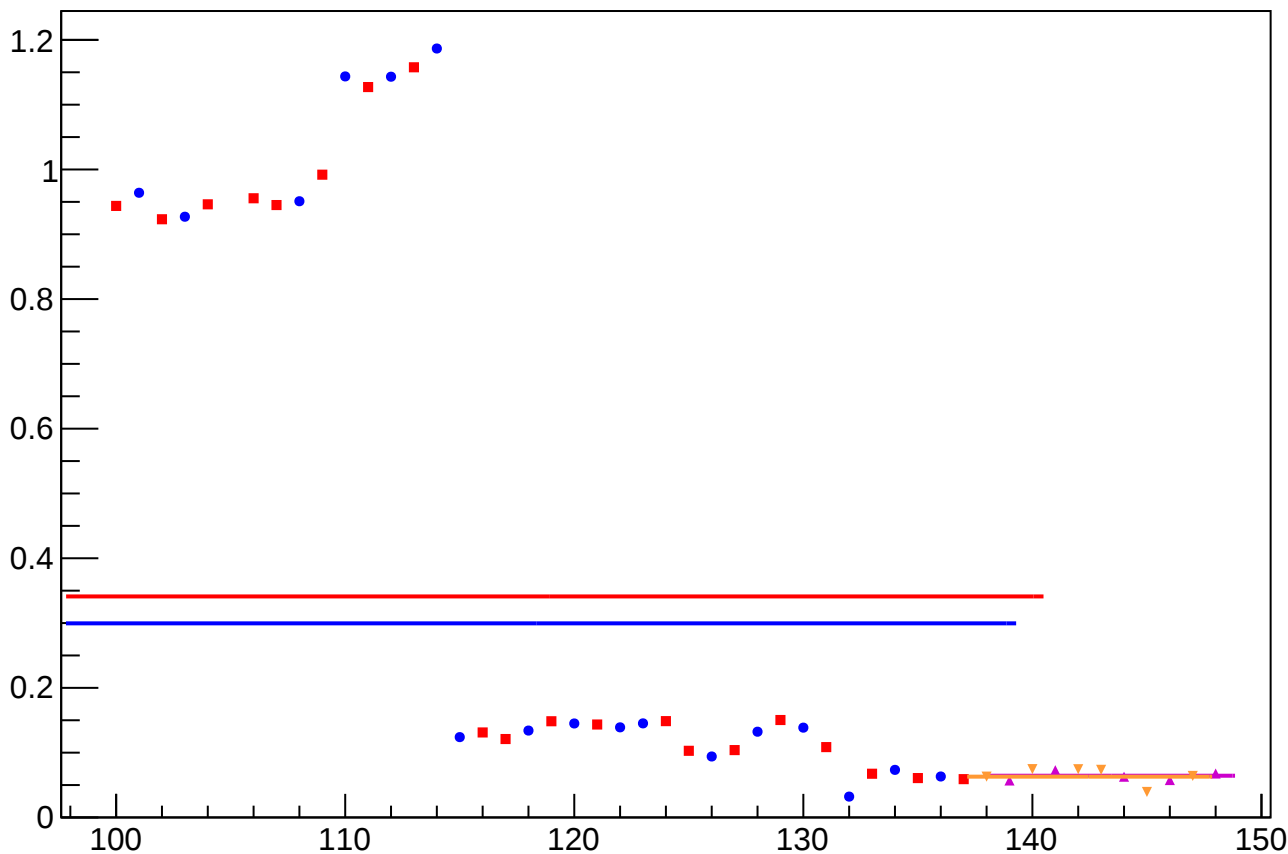
Left In: 0.019+/-0.000 χ^2/NDF : 431809.2/4

0.019+/-0.000 χ^2/NDF : 1438142.7/22

0.019+/-0.000 χ^2/NDF : 3360511.0/47

0.020+/-0.000 χ^2/NDF : 1892147.1/24

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.300+/-0.000 χ^2/NDF : 5165052137.6/16

Left Out: 0.063+/-0.000 χ^2/NDF : 6299520.4/5

Right Out: 0.341+/-0.000 χ^2/NDF : 5453748737.7/19

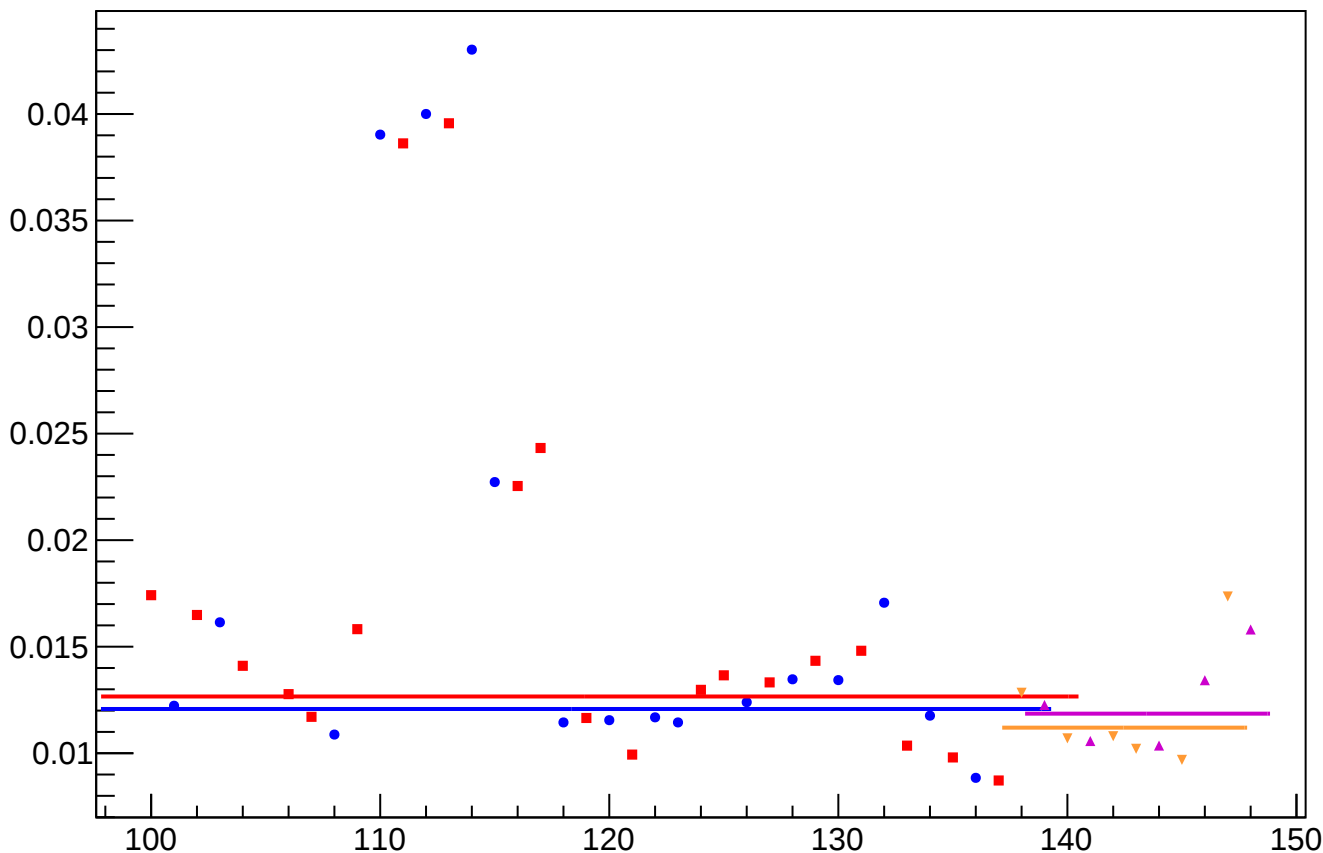
Left In: 0.064+/-0.000 χ^2/NDF : 997121.5/4

0.196+/-0.000 χ^2/NDF : 6128097943.6/22

0.210+/-0.000 χ^2/NDF : 12791256673.1/4

0.226+/-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:263242.4/5

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1255391.1/19

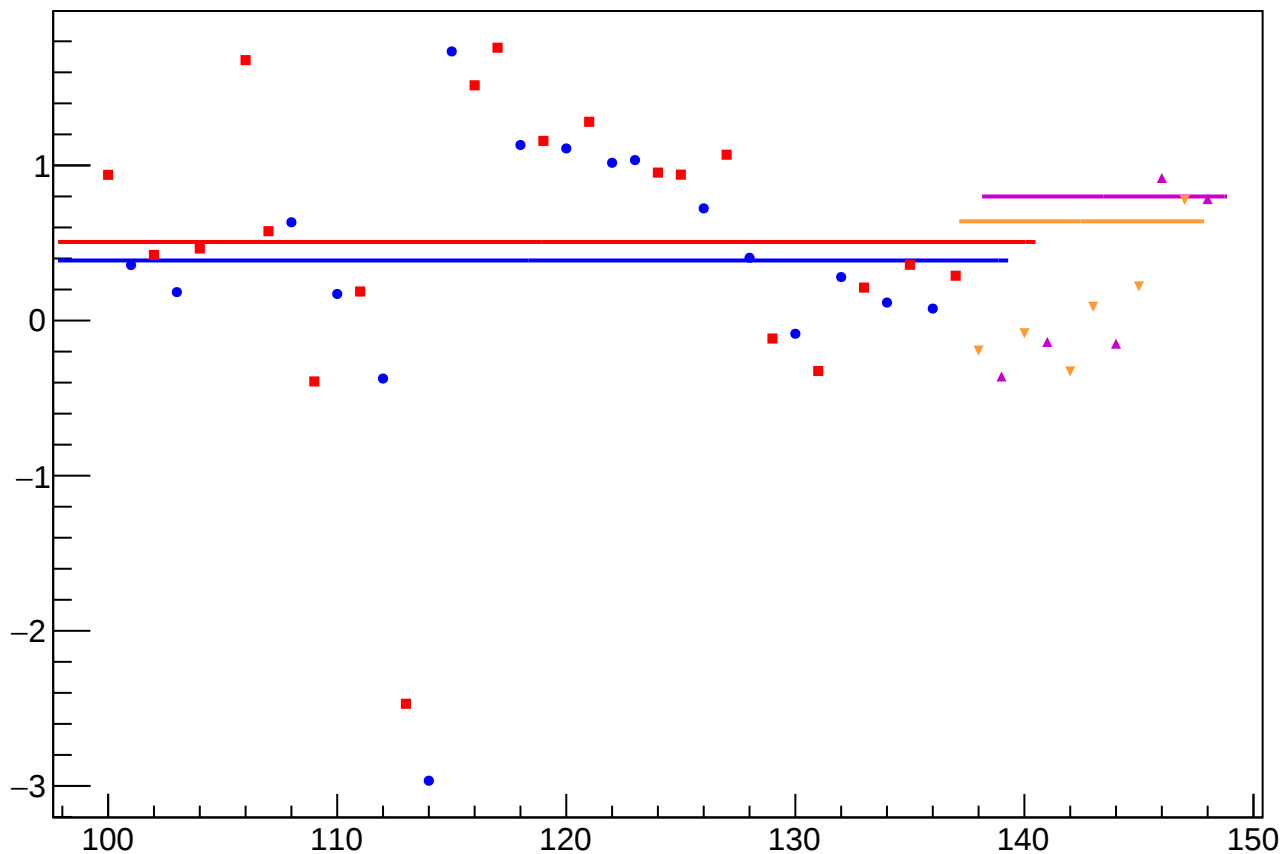
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:175568.3/4

0.012 $\pm$ 0.000 χ^2 /NDF: 1571553.1/22

0.012 $\pm$ 0.000 χ^2 /NDF: 3049254.9/47

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: 0.640 $\pm$ 0.000 χ^2/NDF : 273341067.8/5

Right Out: 0.507 $\pm$ 0.000 χ^2/NDF : 995347030.4/19

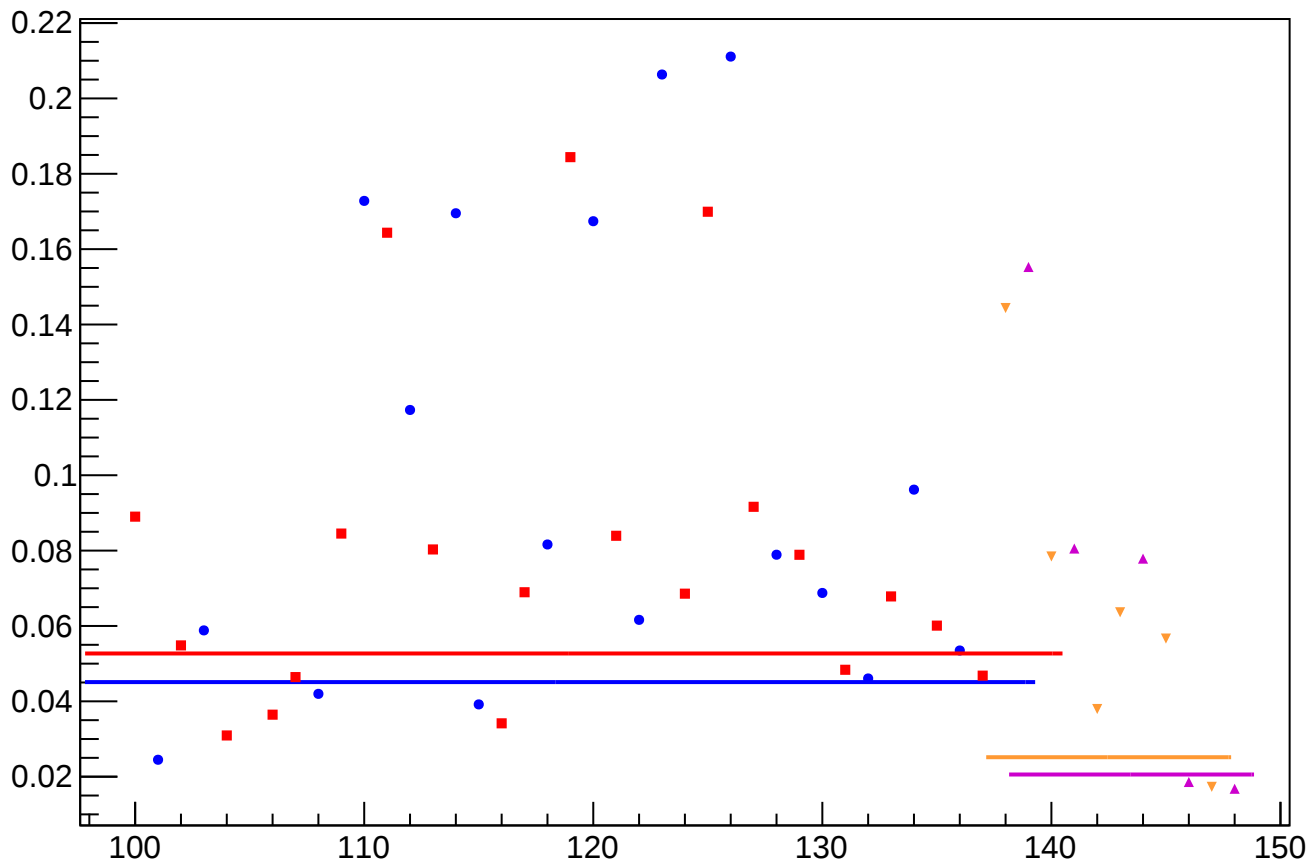
Left In: 0.800 $\pm$ 0.000 χ^2/NDF : 203512853.3/4

0.542 $\pm$ 0.000 χ^2/NDF : 589657967.2/22

0.646 $\pm$ 0.000 χ^2/NDF : 1971214125.4/47

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: 0.025+/-0.000 χ^2/NDF :2249631.7/5

Right Out: 0.053+/-0.000 χ^2/NDF : 2194555.4/19

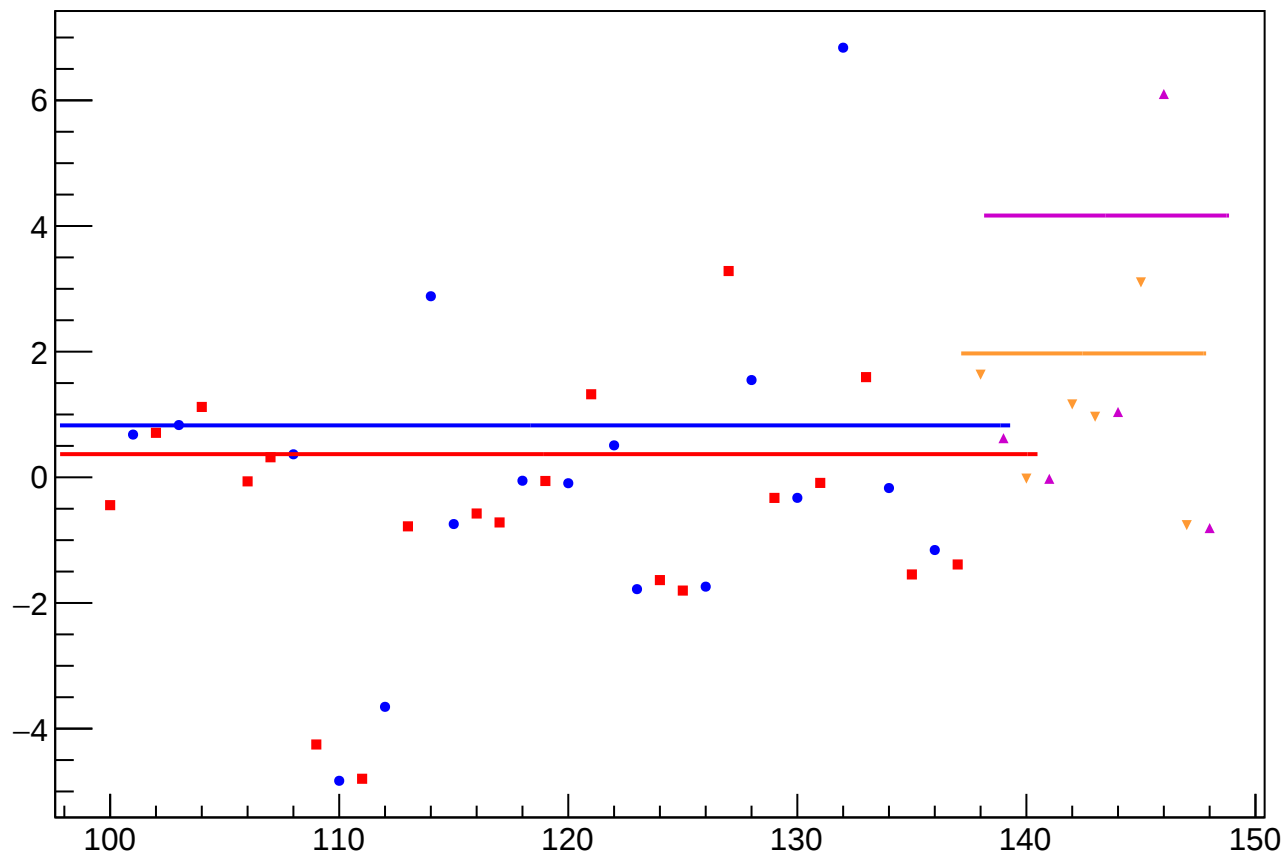
Left In: 0.021+/-0.000 χ^2/NDF :2083243.6/4

0.033+/-0.000 χ^2/NDF : 5949691.2/22

0.030+/-0.000 χ^2/NDF : 12630656.5/47

0.029+/-0.000 χ^2/NDF : 6591559.8/24

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.827+/-0.000 χ^2/NDF : 10936458870.4/16

Left Out: 1.972+/-0.000 χ^2/NDF : 11276395532.6/5

Right Out: 0.369+/-0.000 χ^2/NDF : 4985860510.0/19

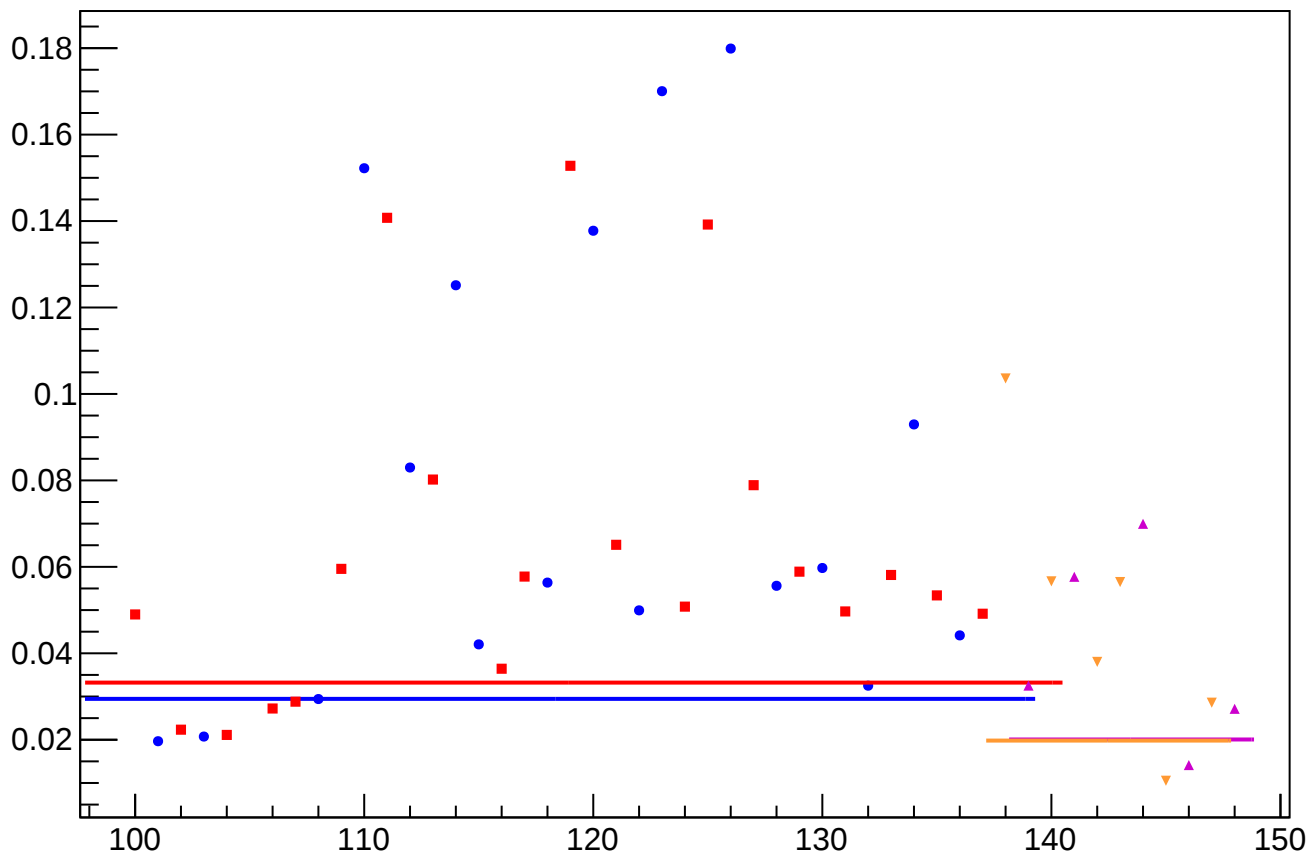
Left In: 4.166+/-0.000 χ^2/NDF : 44181398674.1/4

1.414+/-0.000 χ^2/NDF : 24858604520.9/22

2.012+/-0.000 χ^2/NDF : 109223021659.2/22

2.585+/-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: 0.020 $\pm$ 0.000 χ^2/NDF : 2243915.3/5

Right Out: 0.033 $\pm$ 0.000 χ^2/NDF : 3110014.7/19

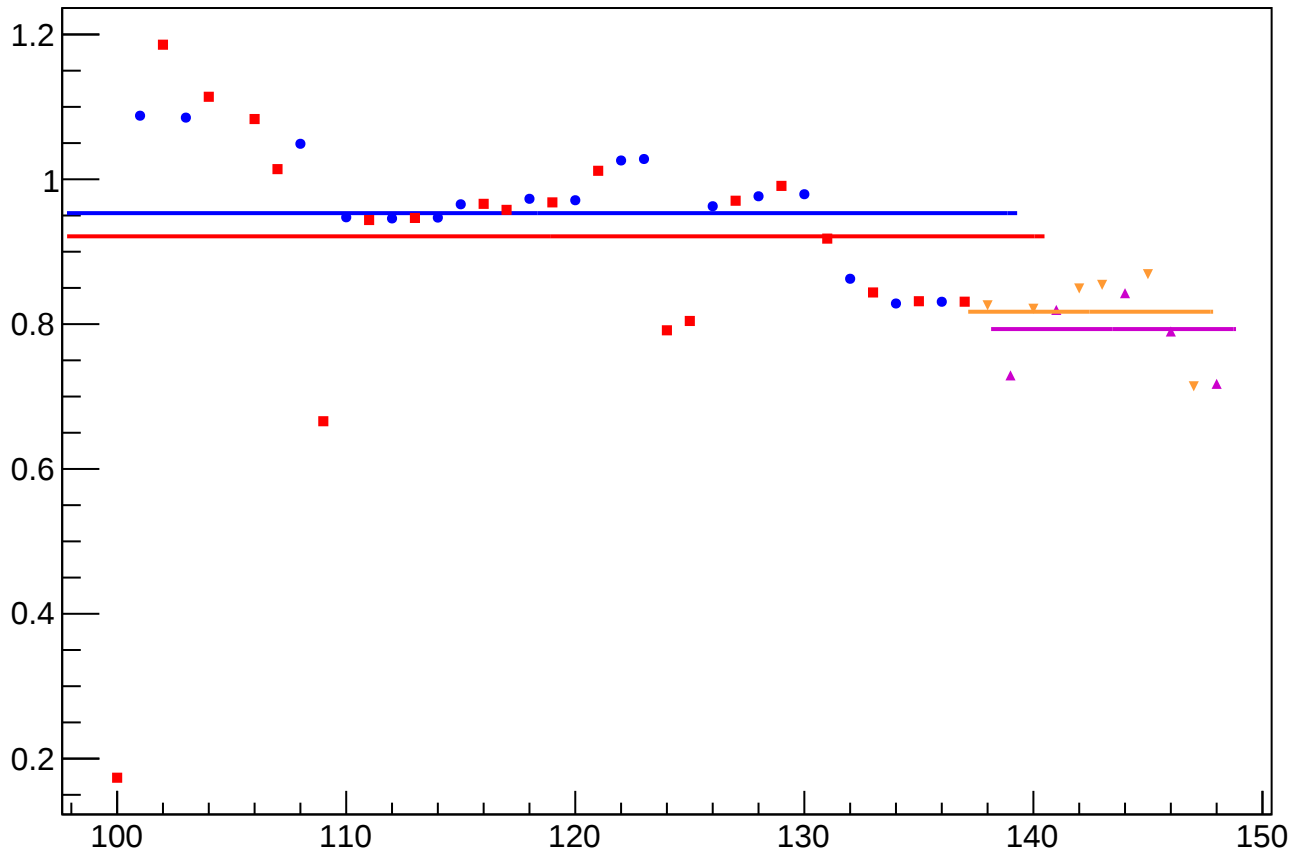
Left In: 0.020 $\pm$ 0.000 χ^2/NDF : 1360730.6/4

0.025 $\pm$ 0.000 χ^2/NDF : 5673046.8/22

0.025 $\pm$ 0.000 χ^2/NDF : 10862001.6/47

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: 0.817+/-0.000 χ^2/NDF : 70581787.3/5

Right Out: 0.921+/-0.000 χ^2/NDF : 374376205.4/19

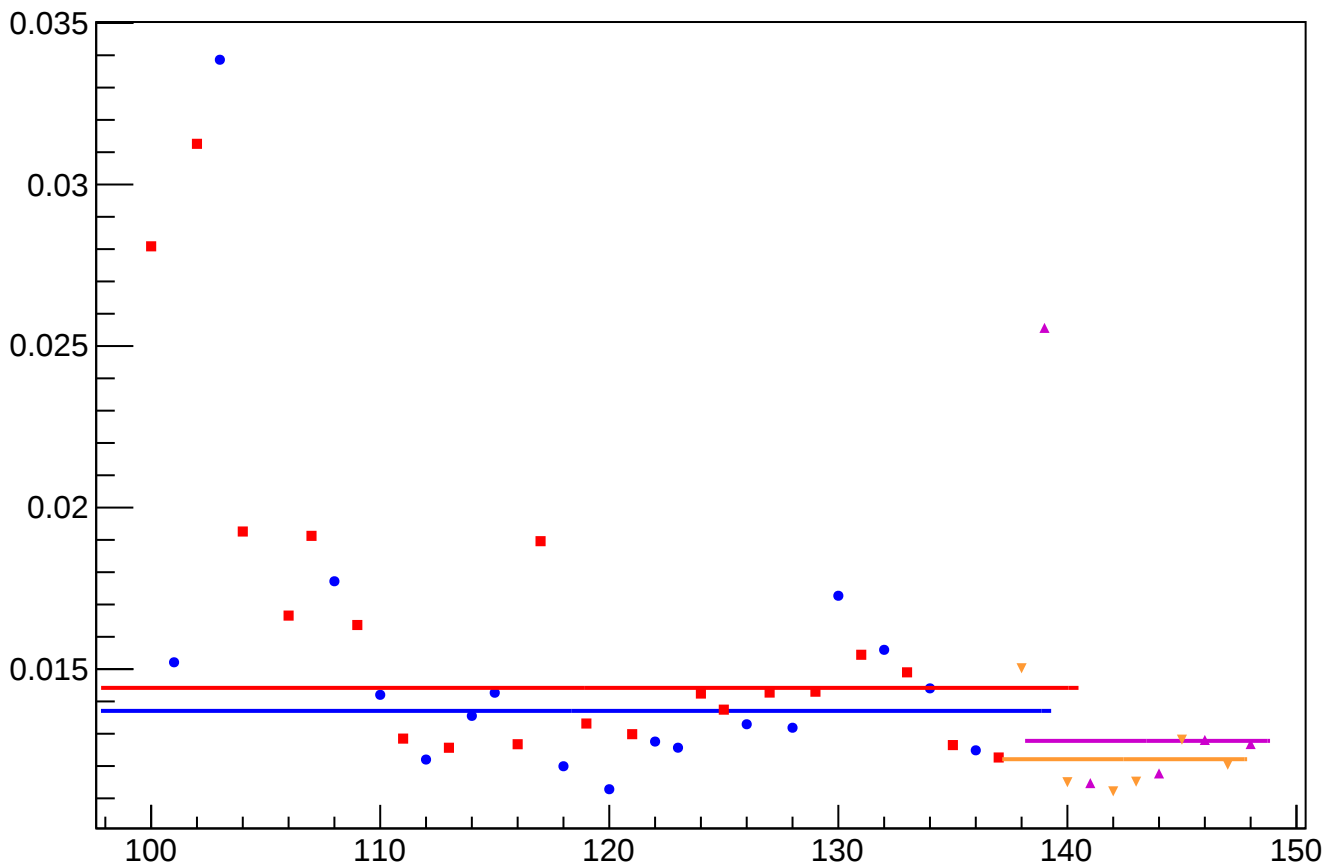
Left In: 0.793+/-0.000 χ^2/NDF : 46883328.0/4

0.895+/-0.000 χ^2/NDF : 490210767.6/22

0.882+/-0.000 χ^2/NDF : 1130226518.5/47

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 : 58630.5/5

Right Out: 0.014+/-0.000 χ^2/NDF : 506553.4/19

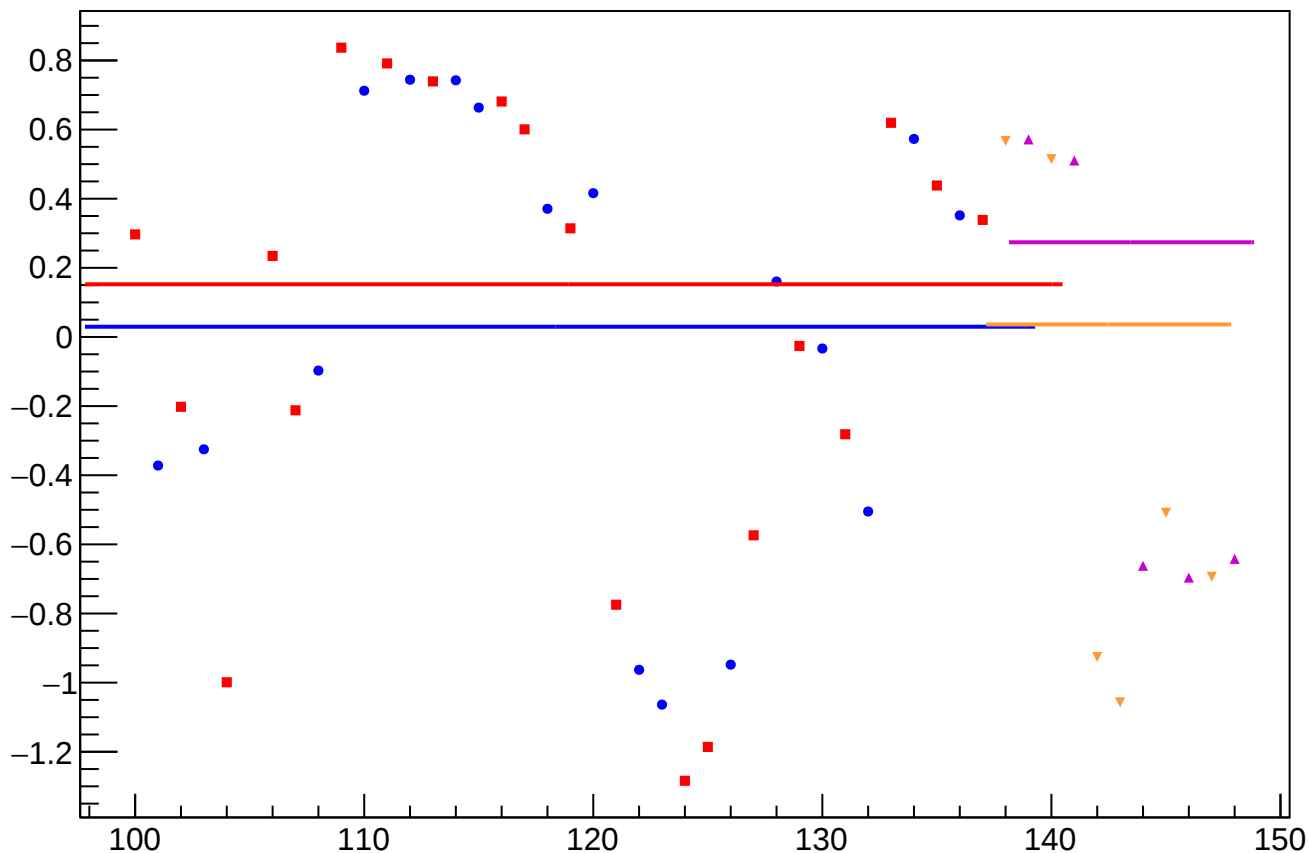
Left In: 0.013+/-0.000 χ^2/NDF : 358330.3/4

0.013+/-0.000 χ^2/NDF : 663912.0/22

0.013+/-0.000 χ^2/NDF : 1617754.7/47

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: 0.036 $\pm$ 0.000 χ^2/NDF :15027296500.1/5

Right Out: 0.152 $\pm$ 0.000 χ^2/NDF : 12673501089.9/19

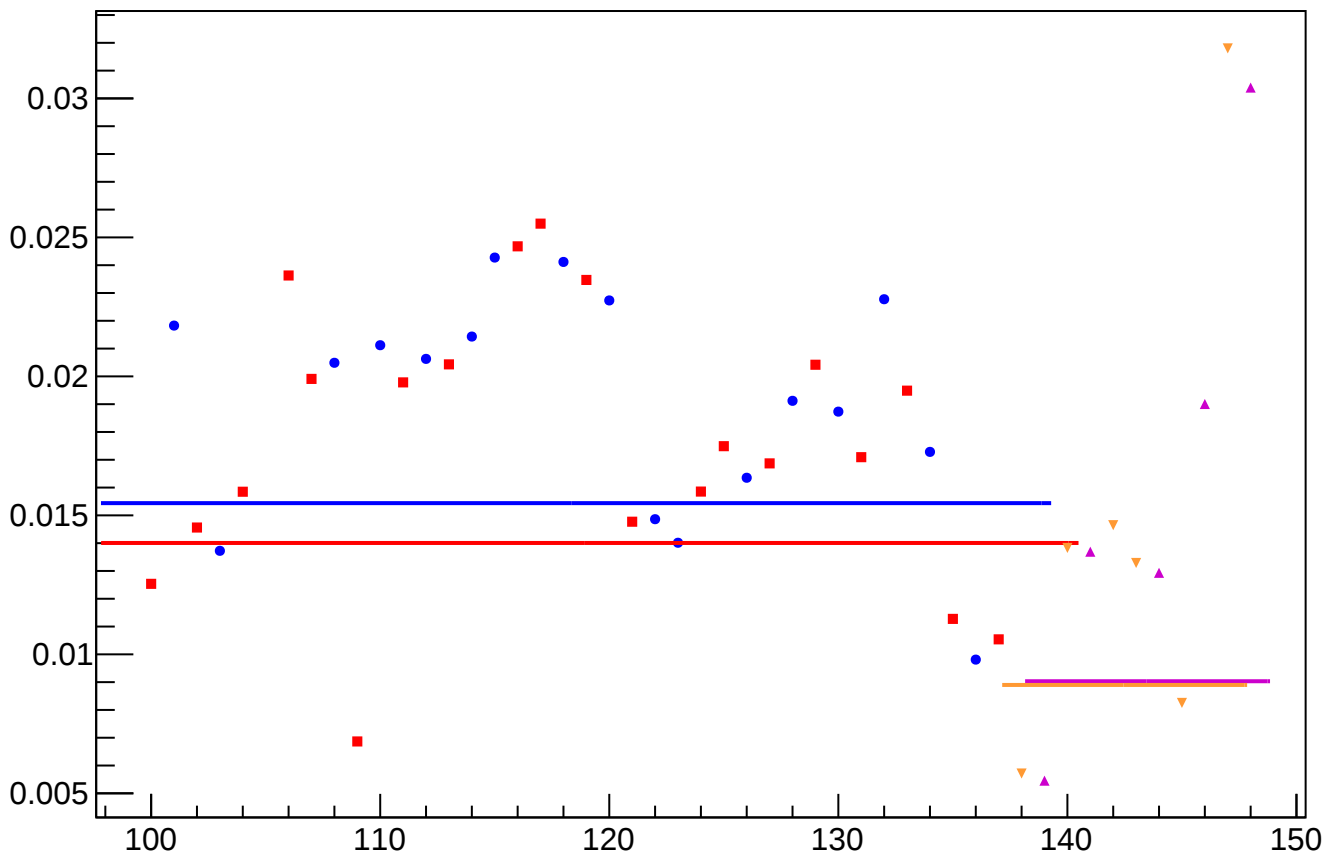
Left In: 0.274 $\pm$ 0.000 χ^2/NDF :9001987891.3/4

0.034 $\pm$ 0.000 χ^2/NDF : 21322746486.2/22

0.126 $\pm$ 0.000 χ^2/NDF : 44261684575.4/4

0.218 $\pm$ 0.000 χ^2/NDF : 21902367518.9/24

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.009+/-0.000 χ^2/NDF : 1605394.6/5

Right Out: 0.014+/-0.000 χ^2/NDF : 1576149.9/19

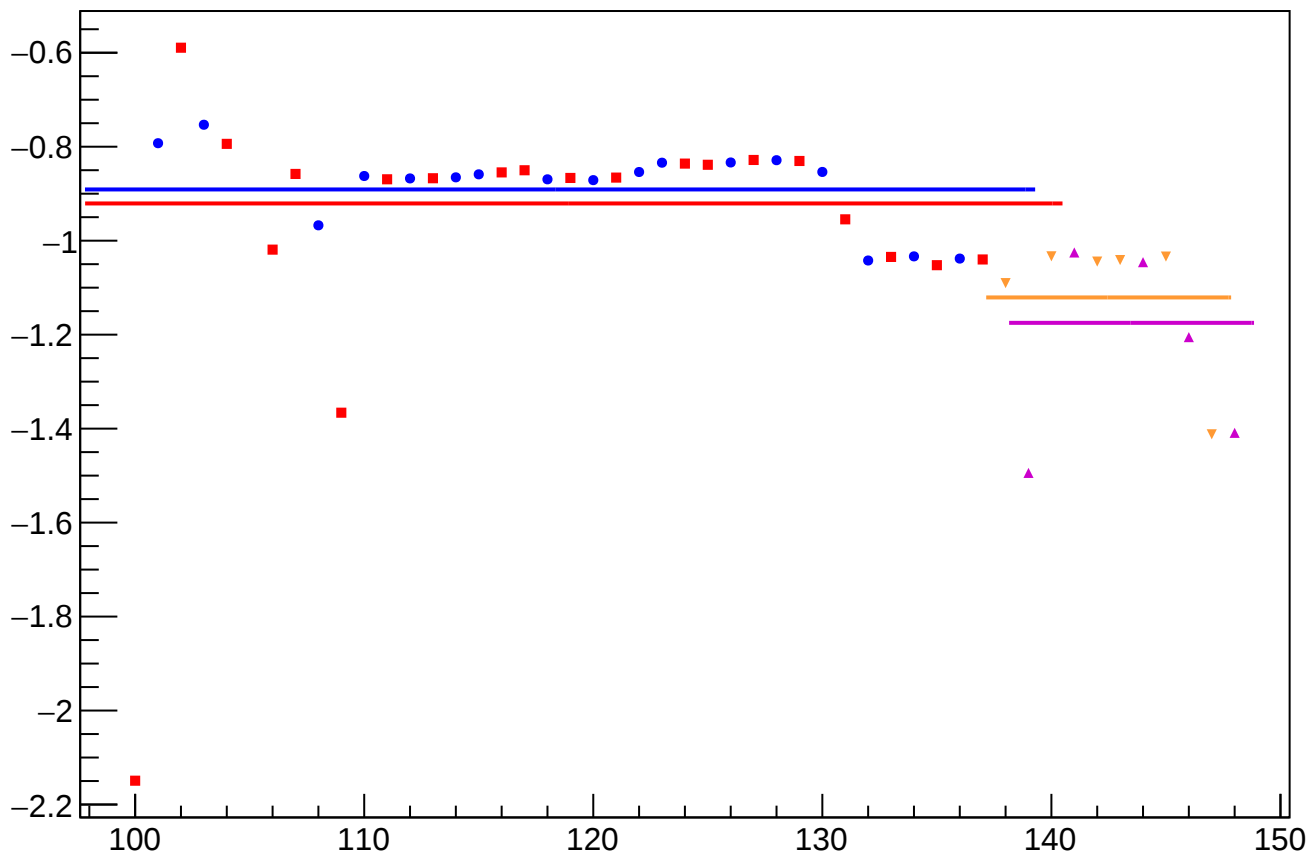
Left In: 0.009+/-0.000 χ^2/NDF : 2016245.1/4

0.011+/-0.000 χ^2/NDF : 4005512.3/22

0.011+/-0.000 χ^2/NDF : 8359768.0/47

0.011+/-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: -1.121+/-0.000 χ^2/NDF : 79142980.6/5

Right Out: -0.921+/-0.000 χ^2/NDF : 131271770.4/19

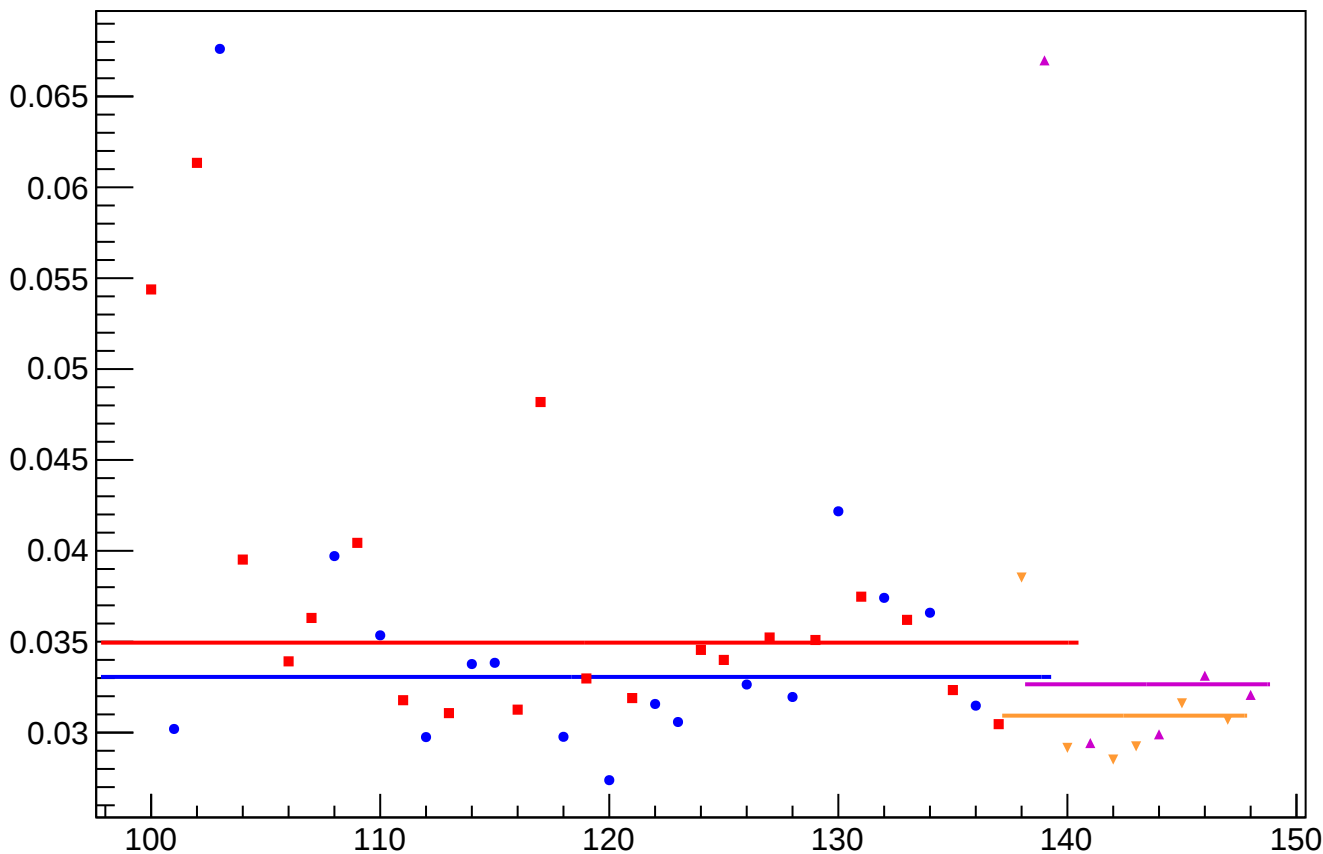
Left In: -1.175+/-0.000 χ^2/NDF : 85871417.0/4

-0.982+/-0.000 χ^2/NDF : 231403566.3/22

-1.000+/-0.000 χ^2/NDF : 580020237.3/47

-1.018+/-0.000 χ^2/NDF : 343008313.1/24

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 409286.7/16

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:59906.3/5

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 280500.4/19

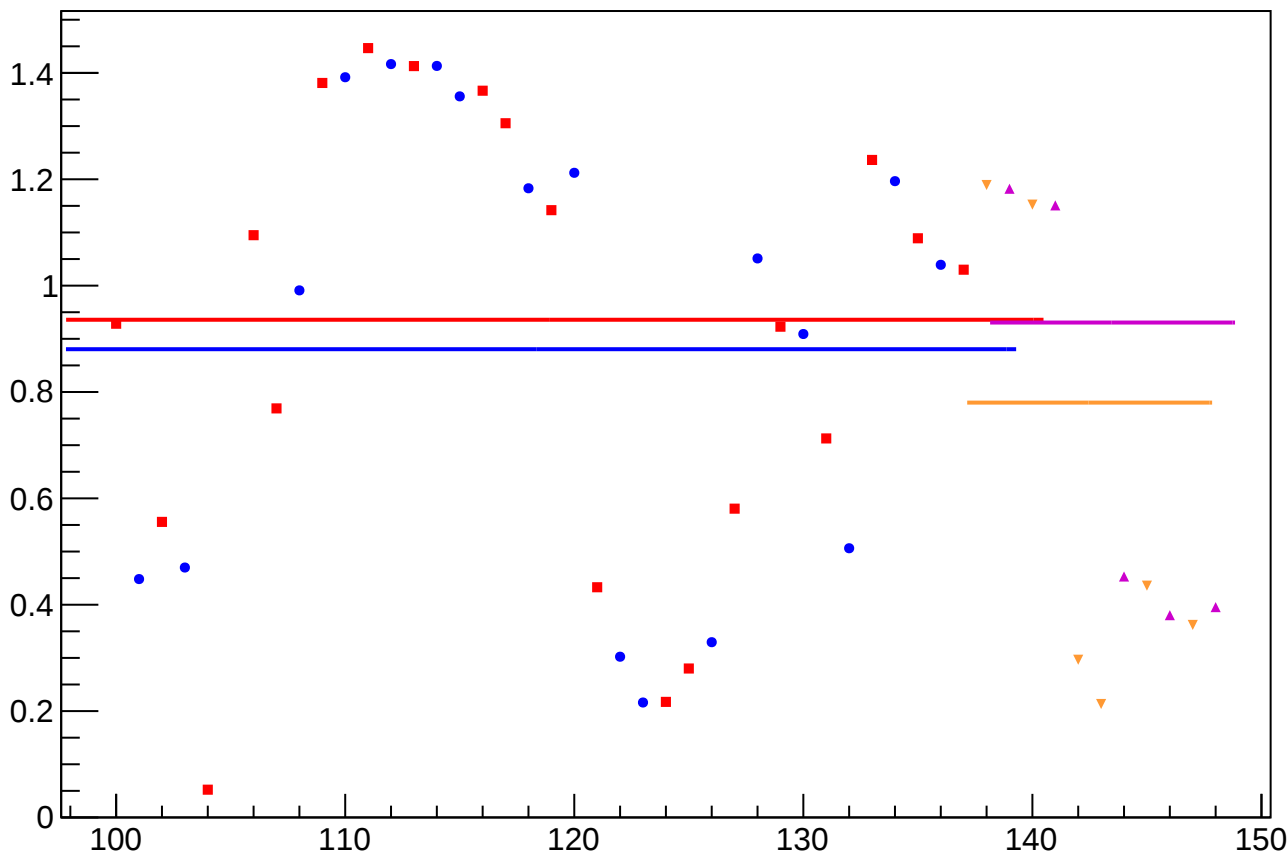
Left In: 0.033 $\pm$ 0.000 χ^2 /NDF:375516.0/4

0.032 $\pm$ 0.000 χ^2 /NDF: 488554.9/22

0.033 $\pm$ 0.000 χ^2 /NDF: 1194378.6/47

0.034 $\pm$ 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: 0.780 $\pm$ 0.000 χ^2/NDF :10836319696.4/5

Right Out: 0.936 $\pm$ 0.000 χ^2/NDF : 9851303698.9/19

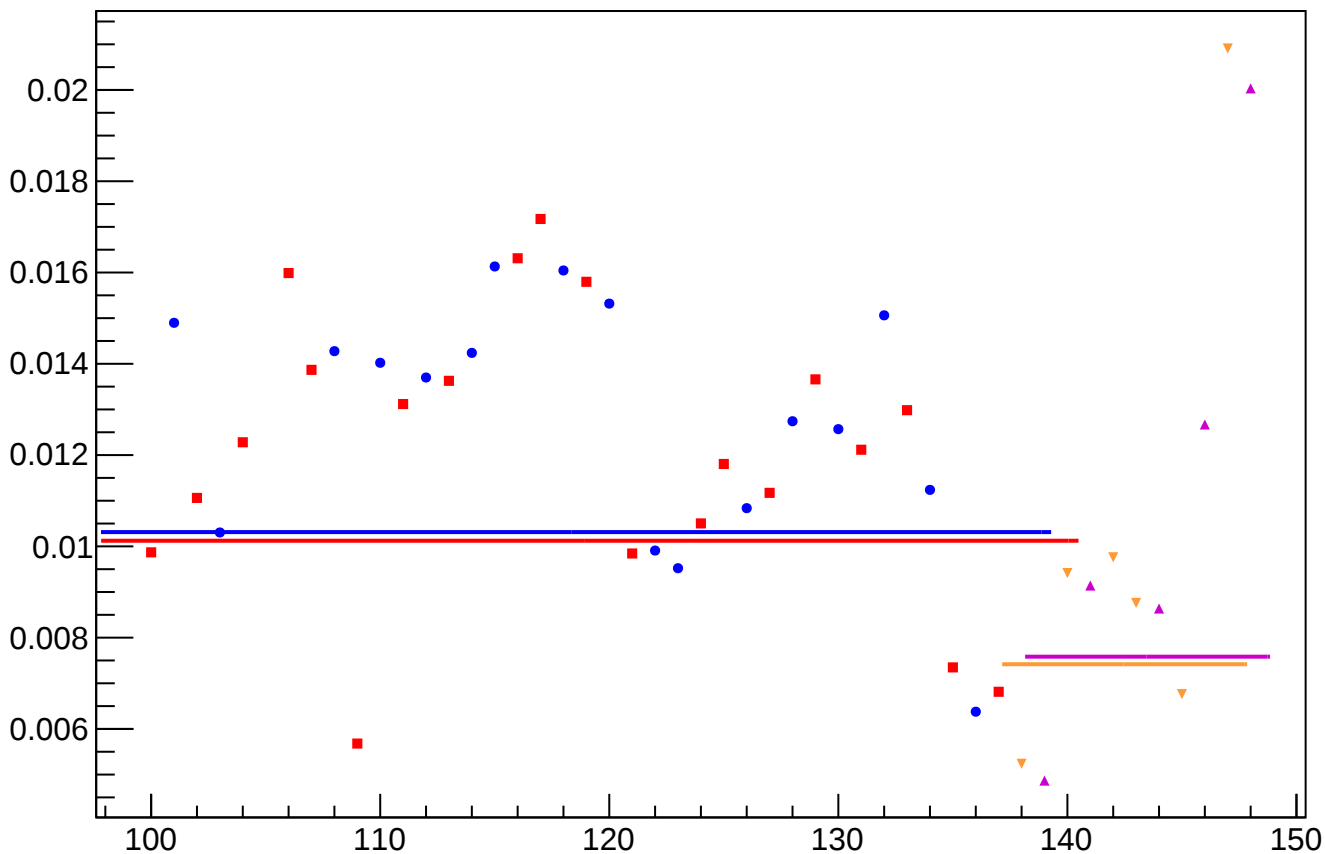
Left In: 0.931 $\pm$ 0.000 χ^2/NDF :6585534460.5/4

0.826 $\pm$ 0.000 χ^2/NDF : 17522494575.7/22

0.879 $\pm$ 0.000 χ^2/NDF : 34602406380.9/4

0.933 $\pm$ 0.000 χ^2/NDF : 16437600280.5/24

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF : 1231066.2/16

Left Out: 0.007+/-0.000 χ^2/NDF : 1011691.3/5

Right Out: 0.010+/-0.000 χ^2/NDF : 1191429.9/19

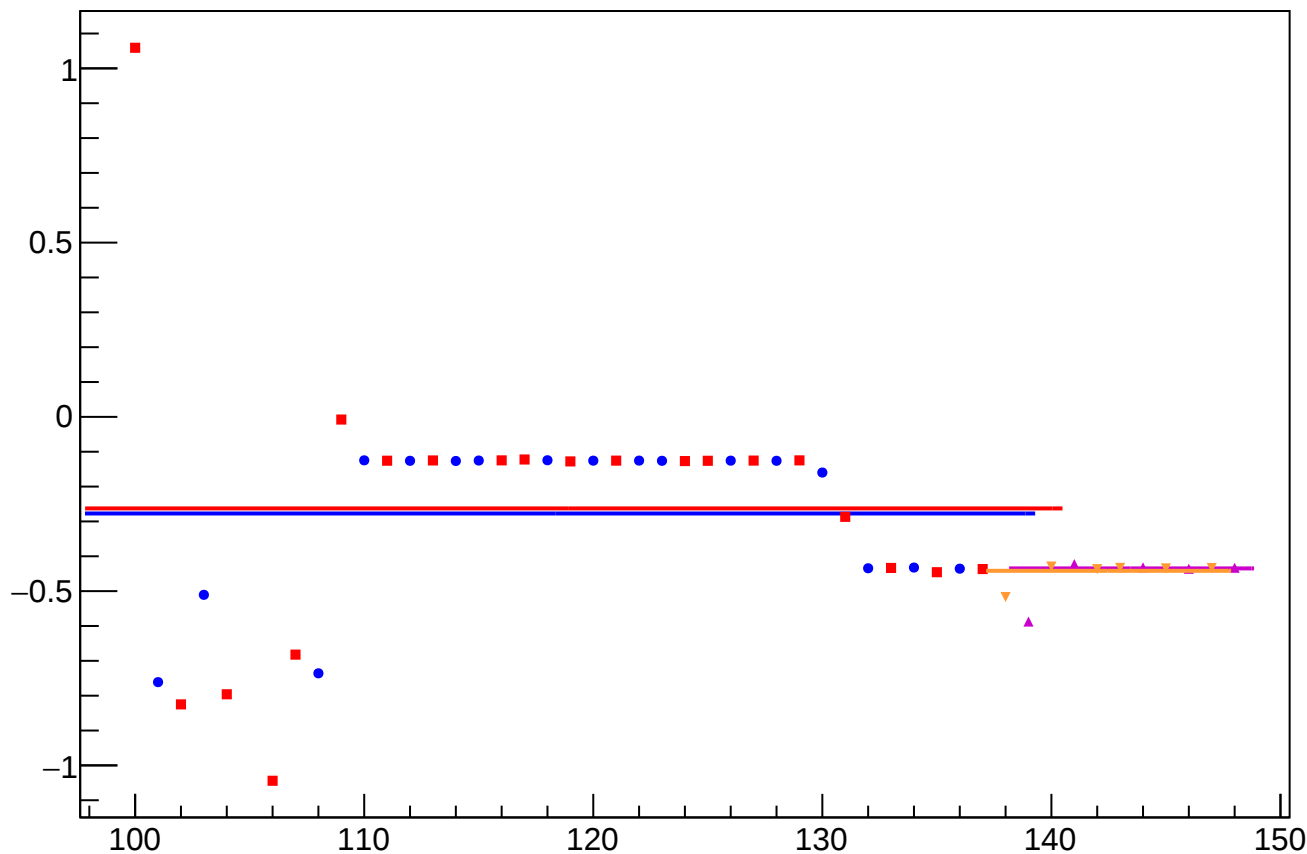
Left In: 0.008+/-0.000 χ^2/NDF : 1282342.3/4

0.009+/-0.000 χ^2/NDF : 2718441.1/22

0.009+/-0.000 χ^2/NDF : 5551829.8/47

0.009+/-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: -0.442 ± 0.000 χ^2/NDF : 23008153.4/5

Right Out: -0.263 ± 0.000 χ^2/NDF : 1009303829.9/19

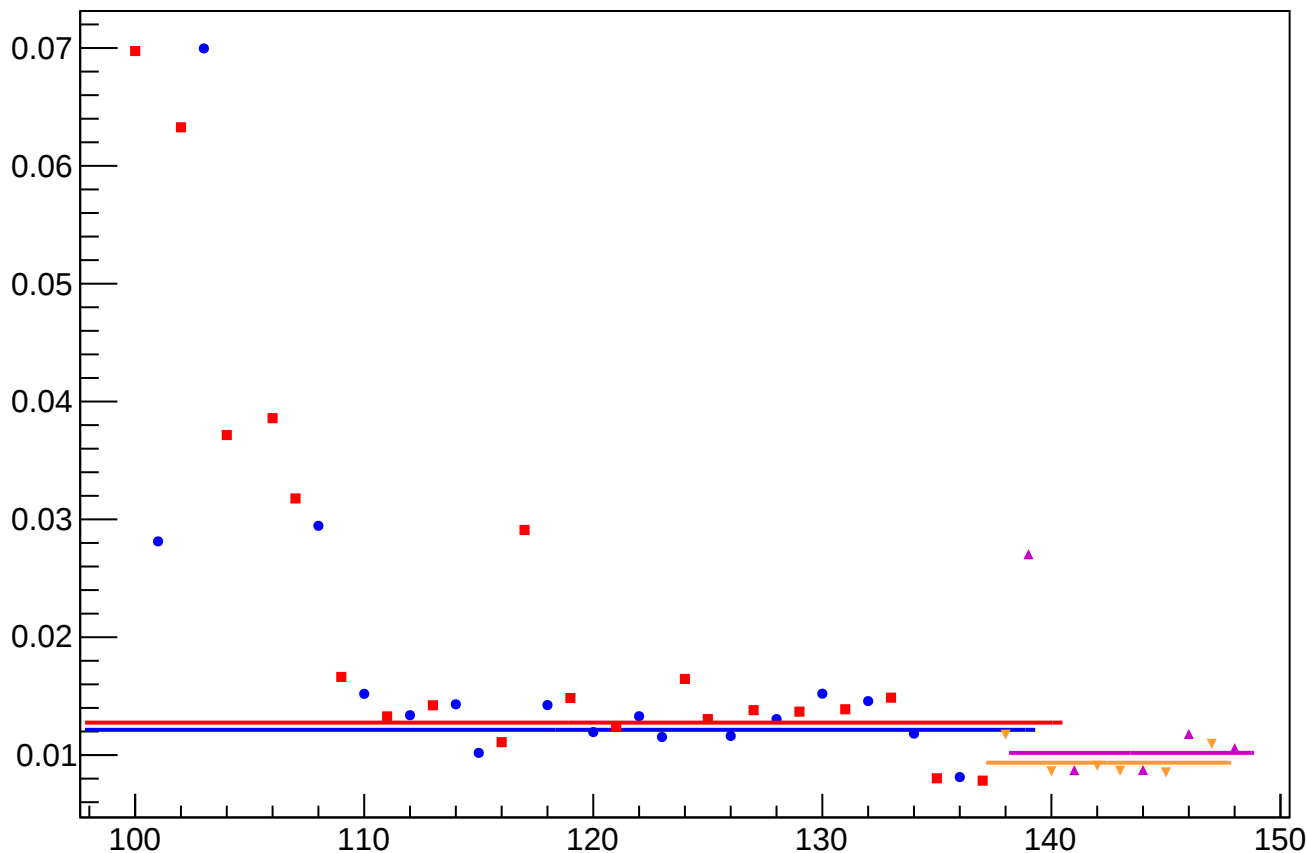
Left In: -0.435 ± 0.000 χ^2/NDF : 22553107.7/4

-0.364 ± 0.000 χ^2/NDF : 1419818706.7/22

-0.356 ± 0.000 χ^2/NDF : 2895620152.5/4

-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: 0.009 $\pm$ 0.000 χ^2/NDF : 95694.9/5

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1993726.2/19

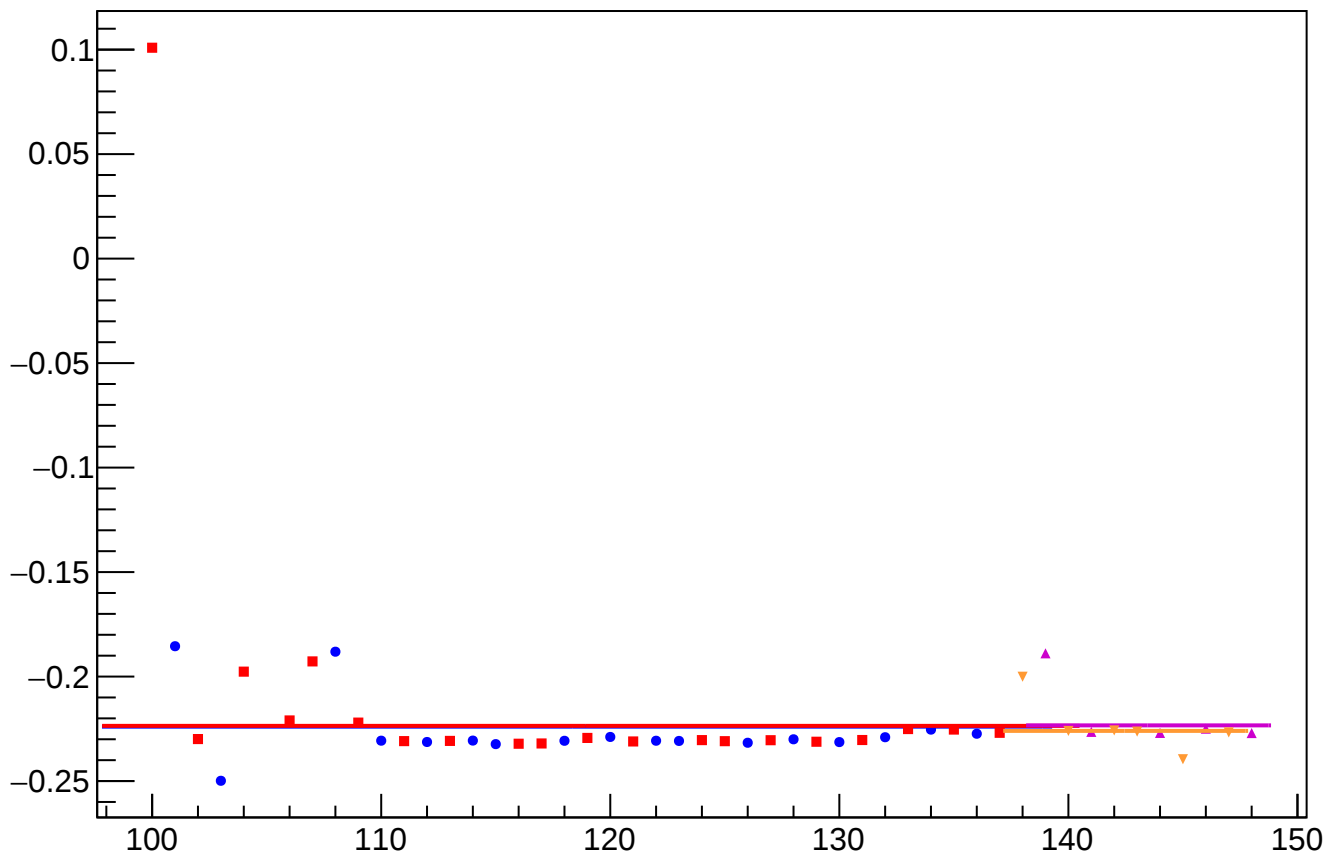
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 615127.8/4

0.011 $\pm$ 0.000 χ^2/NDF : 2085829.0/22

0.011 $\pm$ 0.000 χ^2/NDF : 4931017.2/47

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 : 20477278.7/5

Right Out: -0.224+/-0.000 χ^2/NDF : 168231258.4/19

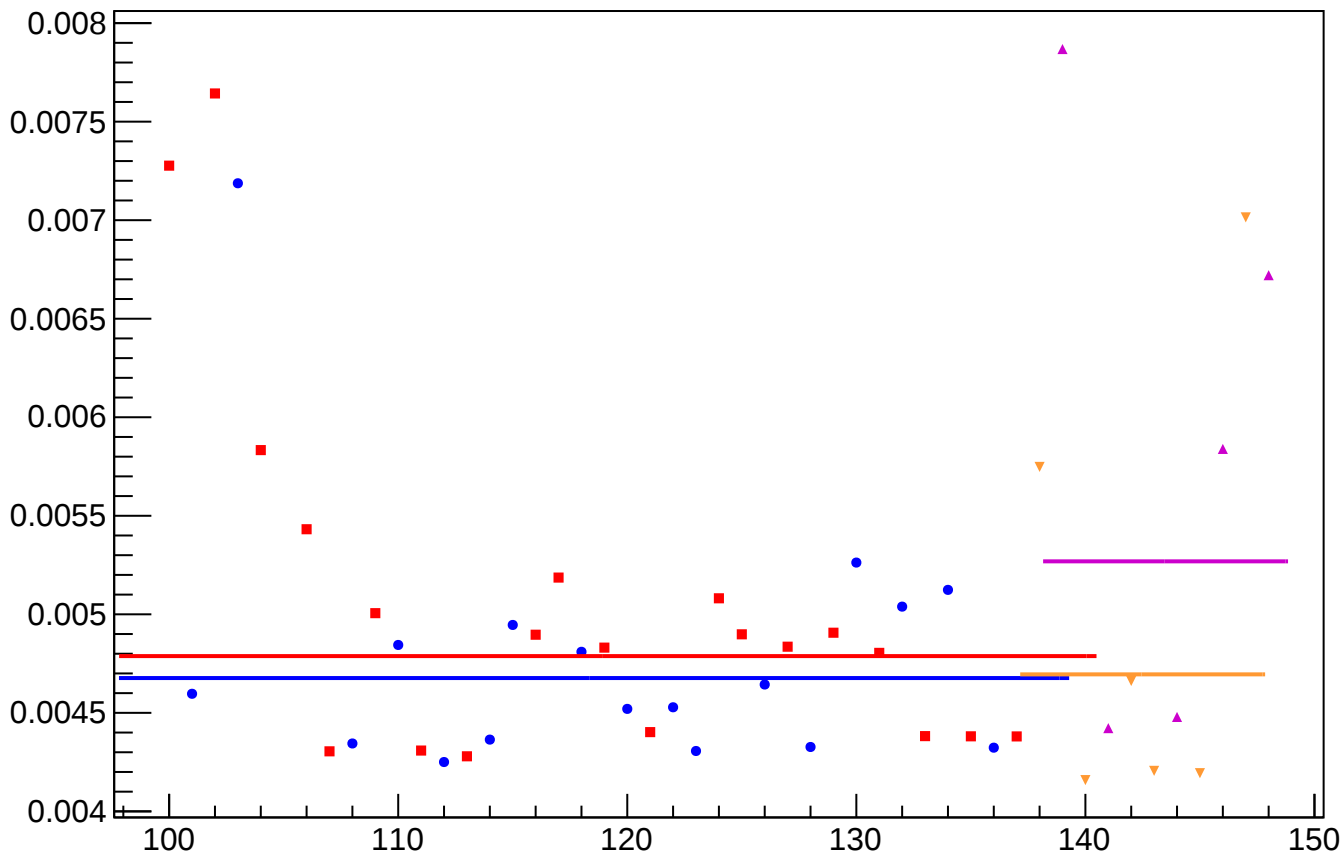
Left In: -0.223+/-0.000 χ^2/NDF : 13499904.7/4

-0.225+/-0.000 χ^2/NDF : 95615571.6/22

-0.224+/-0.000 χ^2/NDF : 277654898.8/47

-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 : 271409.6/5

Right Out: 0.005+/-0.000 χ^2/NDF : 248668.3/19

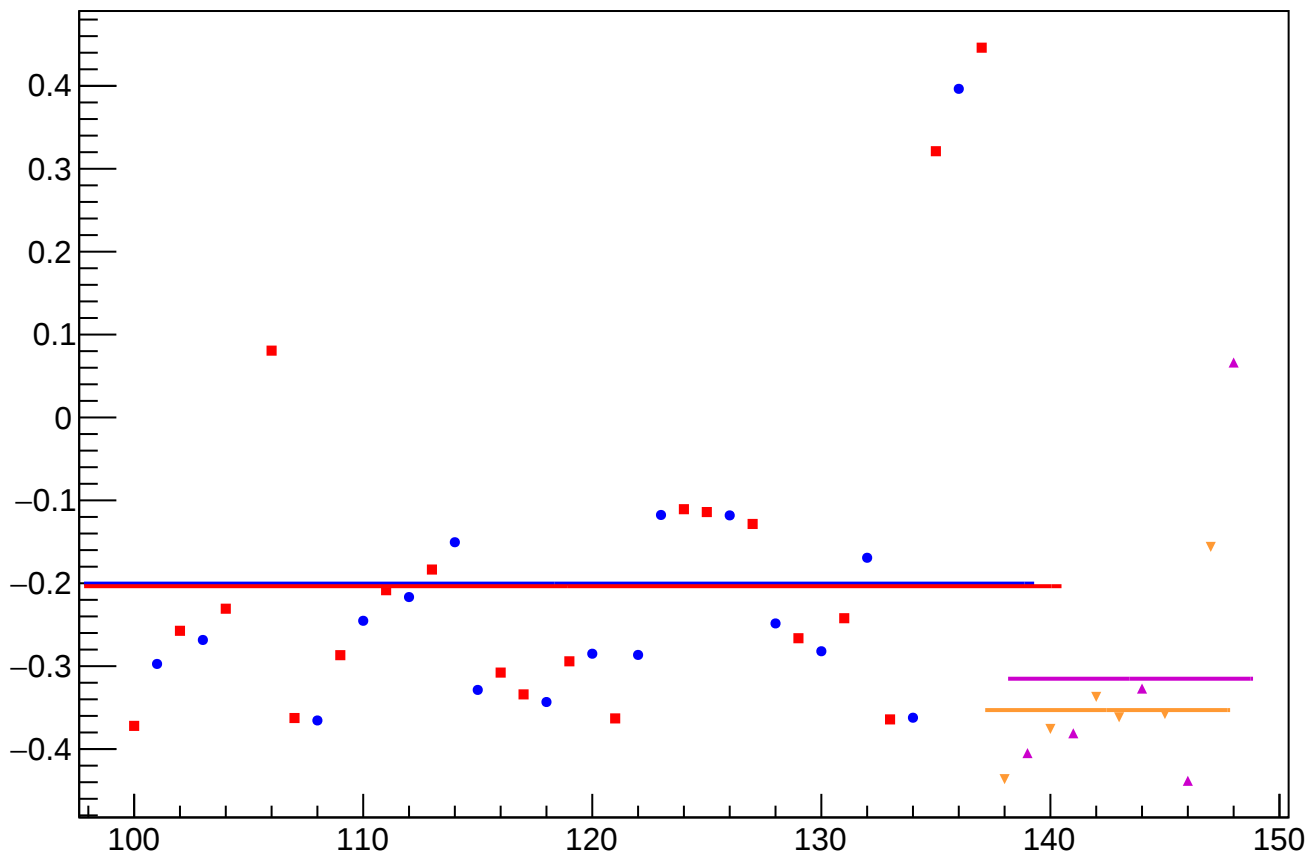
Left In: 0.005+/-0.000 χ^2/NDF : 330319.5/4

0.005+/-0.000 χ^2/NDF : 452817.2/22

0.005+/-0.000 χ^2/NDF : 1099478.3/47

0.005+/-0.000 χ^2/NDF : 619342.4/24

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.200+/-0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.353+/-0.000 χ^2/NDF : 854484124.0/5

Right Out: -0.204+/-0.000 χ^2/NDF : 5045878528.0/19

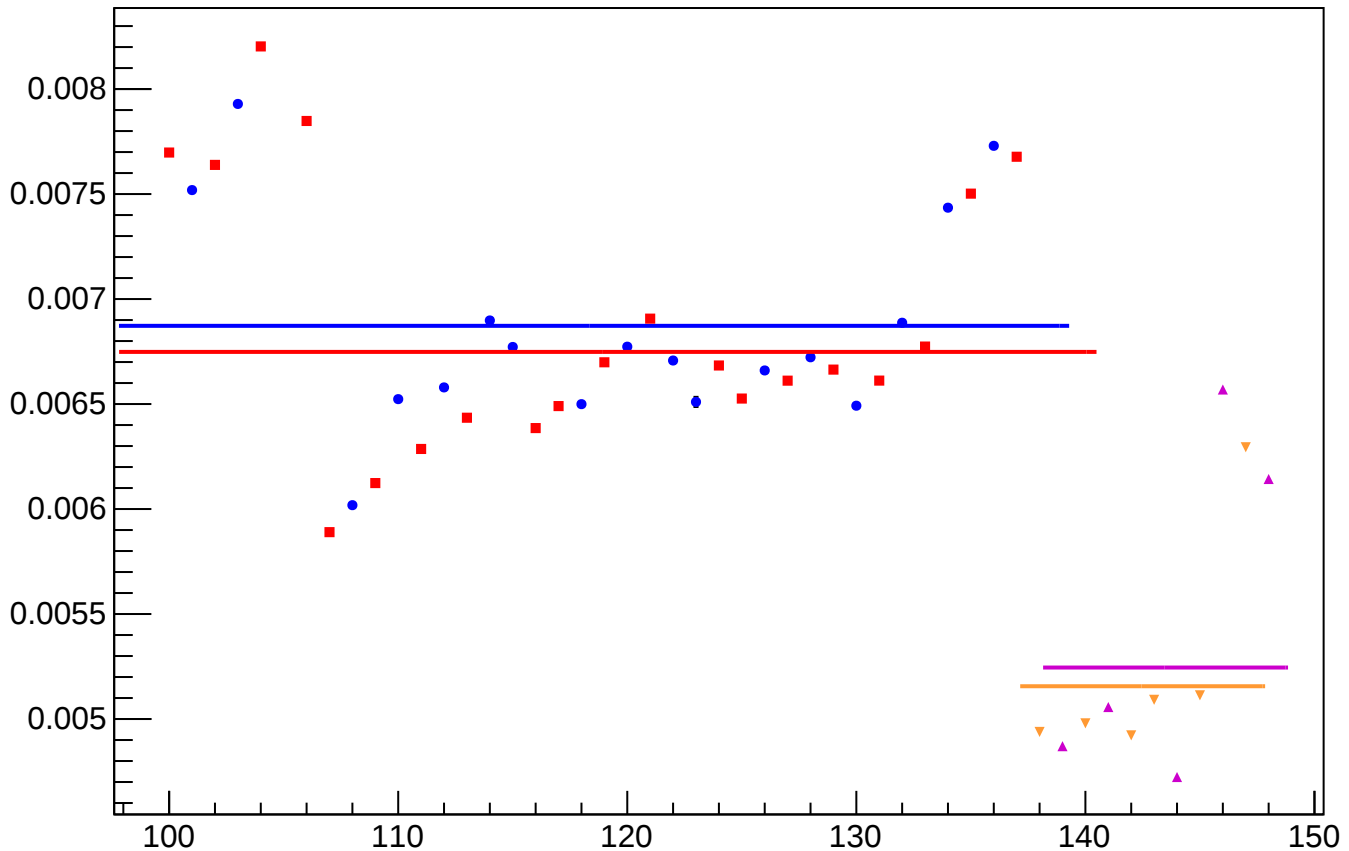
Left In: -0.315+/-0.000 χ^2/NDF : 3198074239.6/4

-0.278+/-0.000 χ^2/NDF : 8472402347.8/22

-0.266+/-0.000 χ^2/NDF : 17660578132.2/24

-0.255+/-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 : 48962.6/5

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 105262.1/19

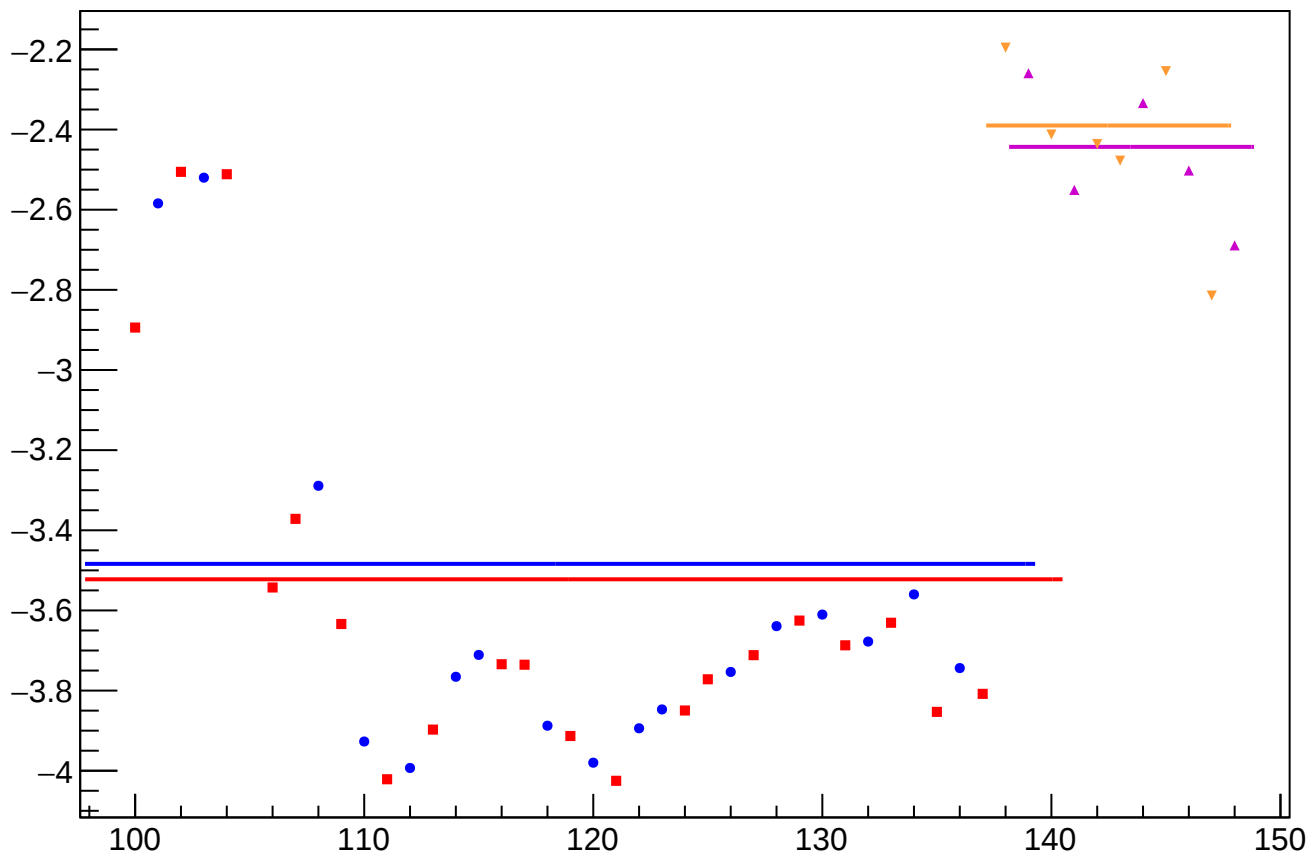
Left In: 0.005 $\pm$ 0.000 χ^2/NDF : 109819.8/4

0.006 $\pm$ 0.000 χ^2/NDF : 543923.1/22

0.006 $\pm$ 0.000 χ^2/NDF : 1074827.1/47

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: -2.390+/-0.000 χ^2/NDF : 1090082328.7/5

-3.207+/-0.000 χ^2/NDF : 58705250465.8/22

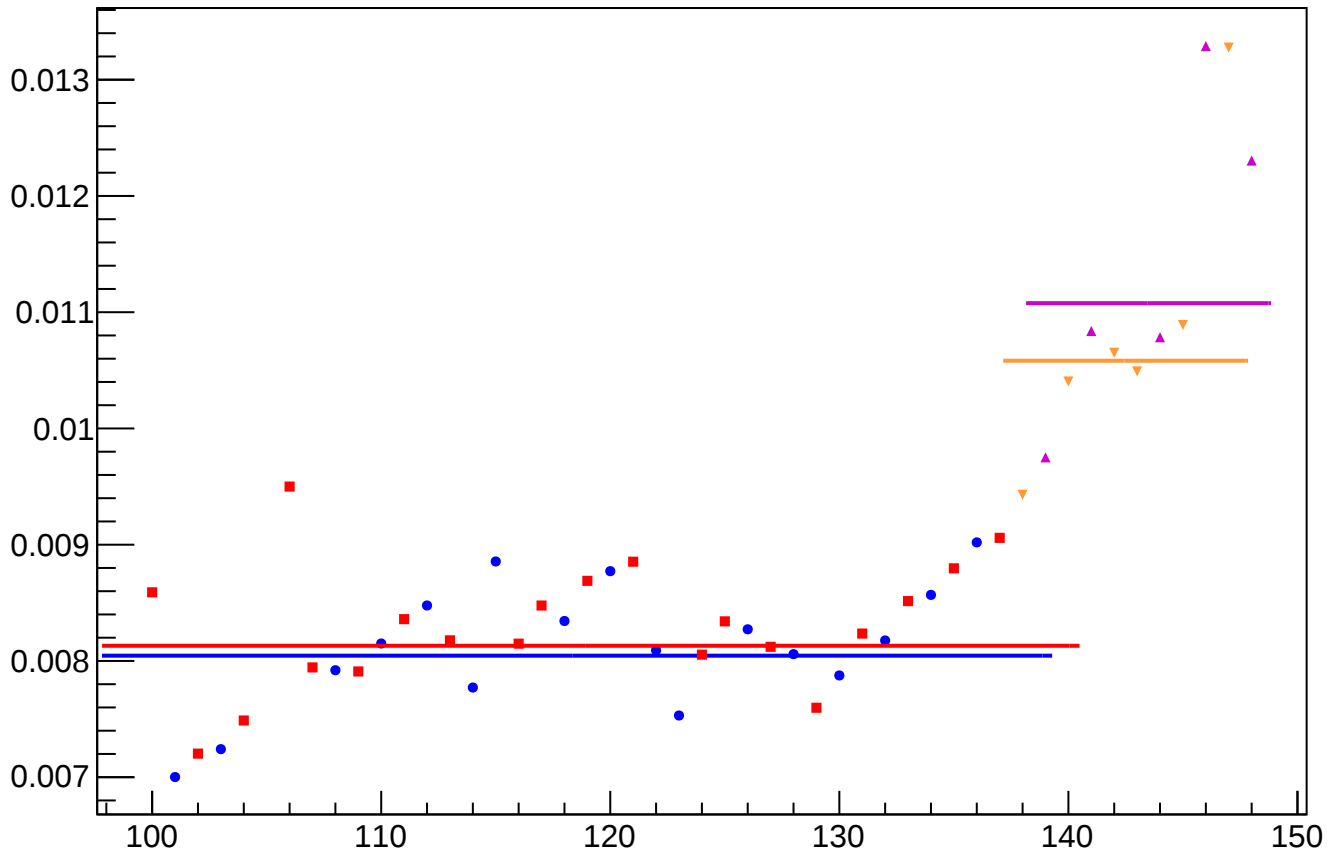
Right Out: -3.522+/-0.000 χ^2/NDF : 26497611752.4/19

-3.245+/-0.000 χ^2/NDF : 112807629820.3

-3.284+/-0.000 χ^2/NDF : 53708177732.9/24

Left In: -2.443+/-0.000 χ^2/NDF : 690829978.8/4

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 71989.8/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 73655.1/5

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 57613.2/19

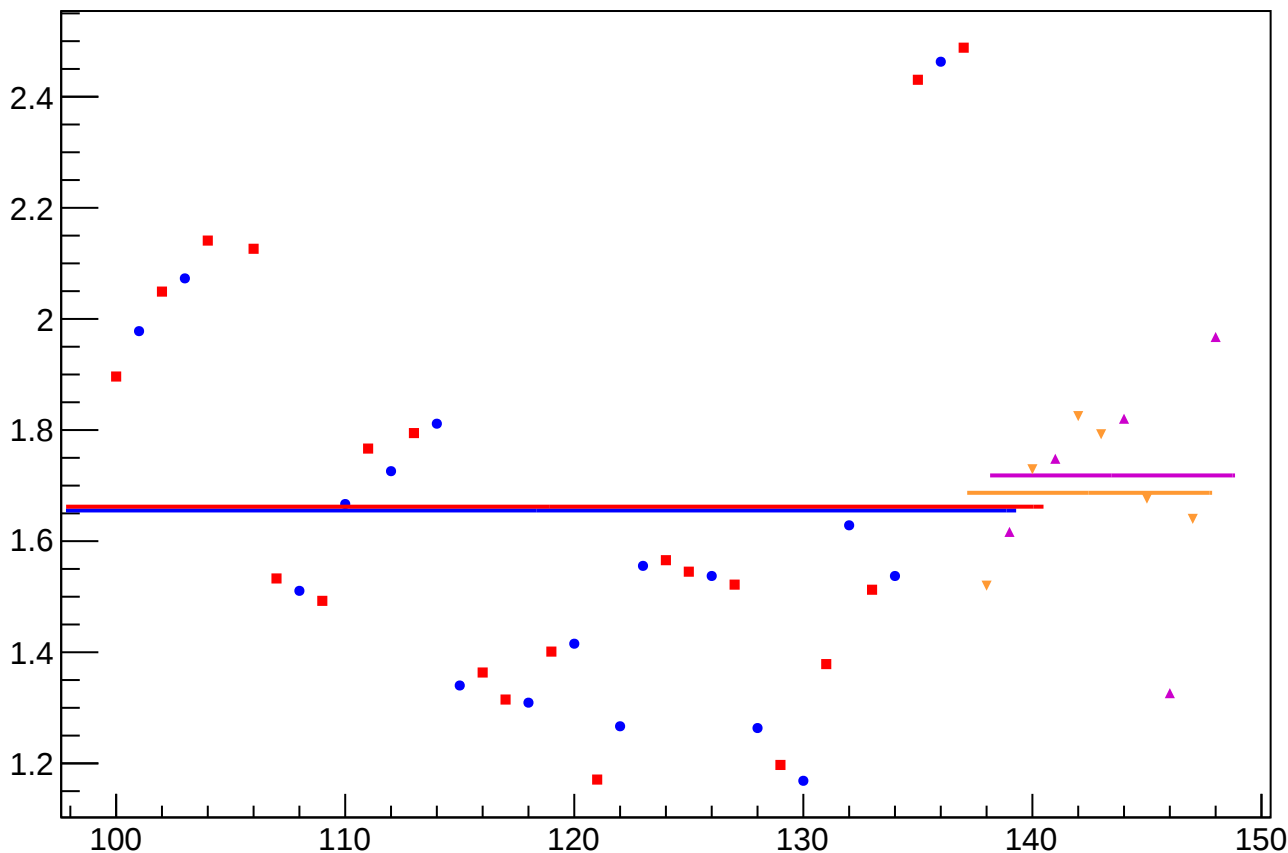
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 74316.4/4

0.009 $\pm$ 0.000 χ^2/NDF : 473205.0/22

0.009 $\pm$ 0.000 χ^2/NDF : 1001972.2/47

0.009 $\pm$ 0.000 χ^2/NDF : 527576.9/24

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.655 $\pm$ 0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.687 $\pm$ 0.000 χ^2/NDF : 317292338.2/5

Right Out: 1.662 $\pm$ 0.000 χ^2/NDF : 5975345573.0/19

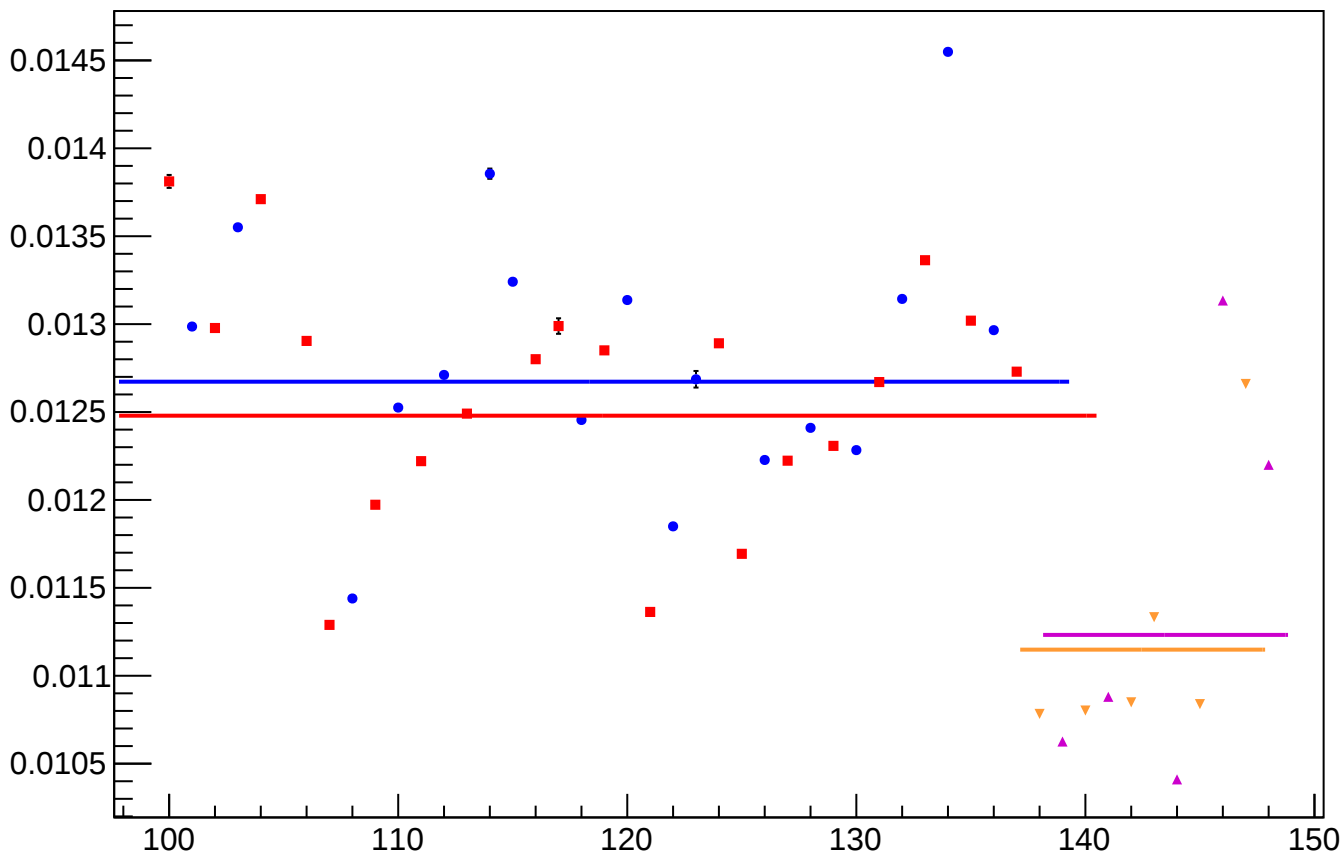
Left In: 1.718 $\pm$ 0.000 χ^2/NDF : 1067155096.5/4

1.669 $\pm$ 0.000 χ^2/NDF : 6811858068.5/22

1.677 $\pm$ 0.000 χ^2/NDF : 13918942618.1/4

1.684 $\pm$ 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 : 25362.6/5

Right Out: 0.012 $\pm$ 0.000 χ^2/NDF : 39268.9/19

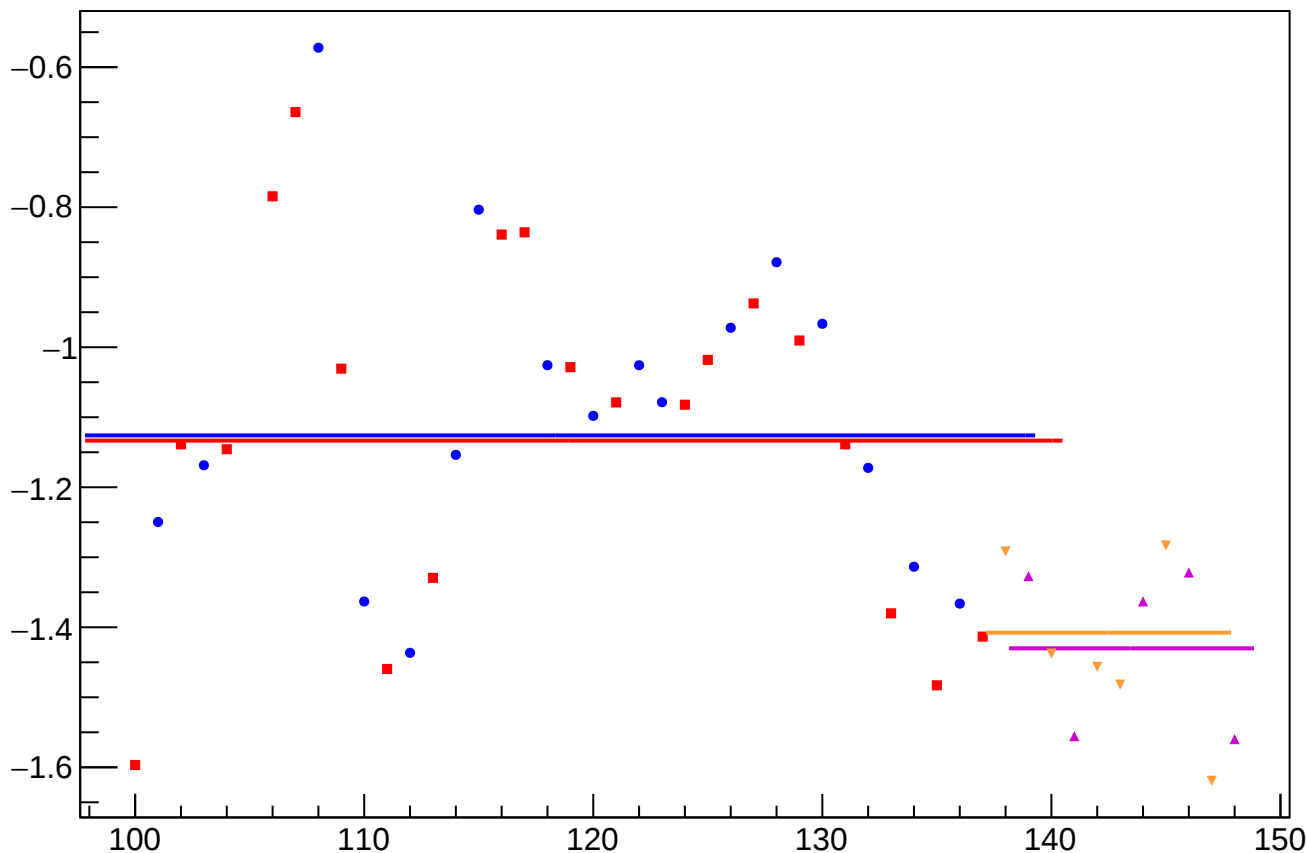
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 54669.7/4

0.012 $\pm$ 0.000 χ^2/NDF : 140331.5/22

0.012 $\pm$ 0.000 χ^2/NDF : 289390.7/47

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: -1.408+/-0.000 χ^2/NDF : 596075080.3/5

Right Out: -1.133+/-0.000 χ^2/NDF : 3706528266.7/19

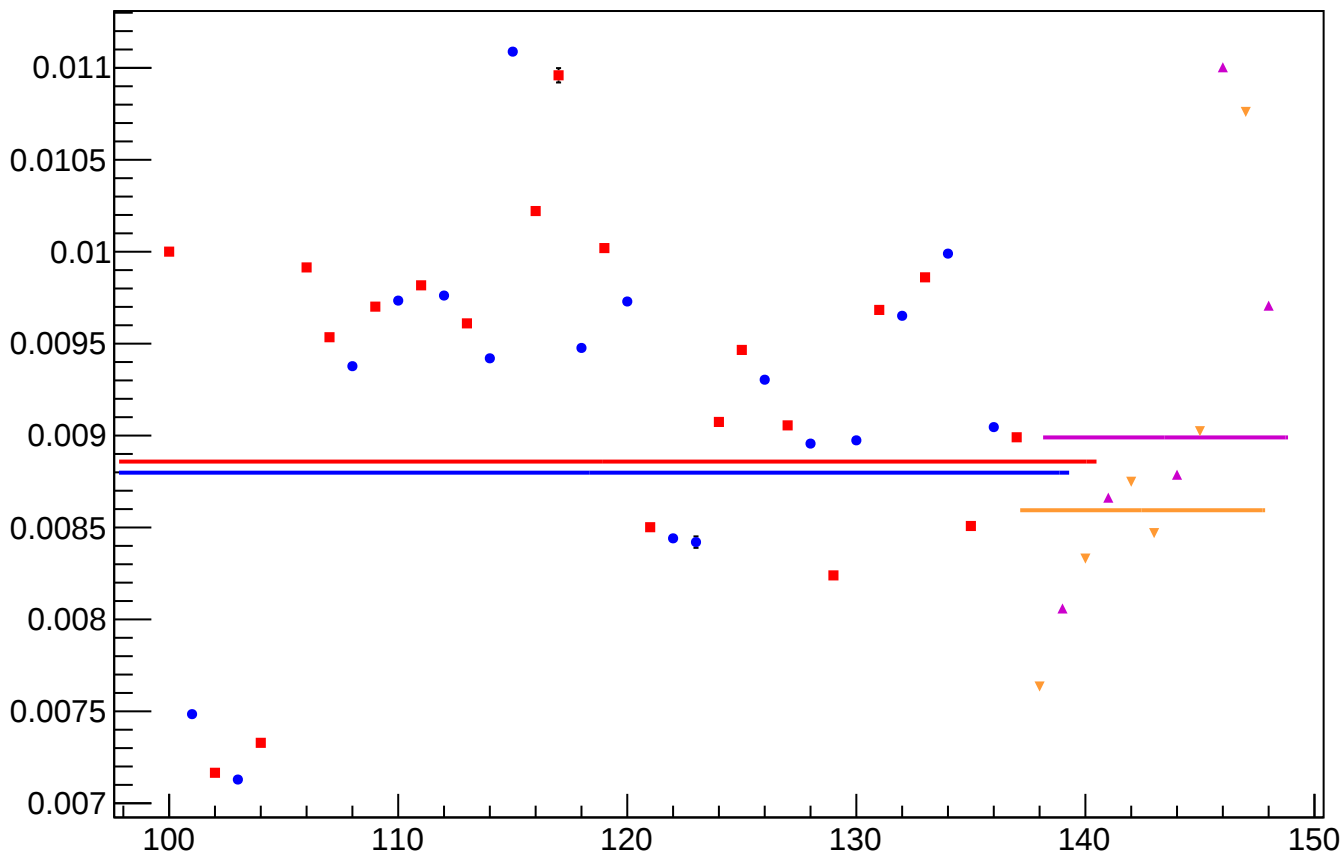
Left In: -1.430+/-0.000 χ^2/NDF : 510256983.9/4

-1.234+/-0.000 χ^2/NDF : 6675043543.5/22

-1.234+/-0.000 χ^2/NDF : 13445687211.5/4

-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 : 77154.1/5

Right Out: 0.009+/-0.000 χ^2/NDF : 176858.0/19

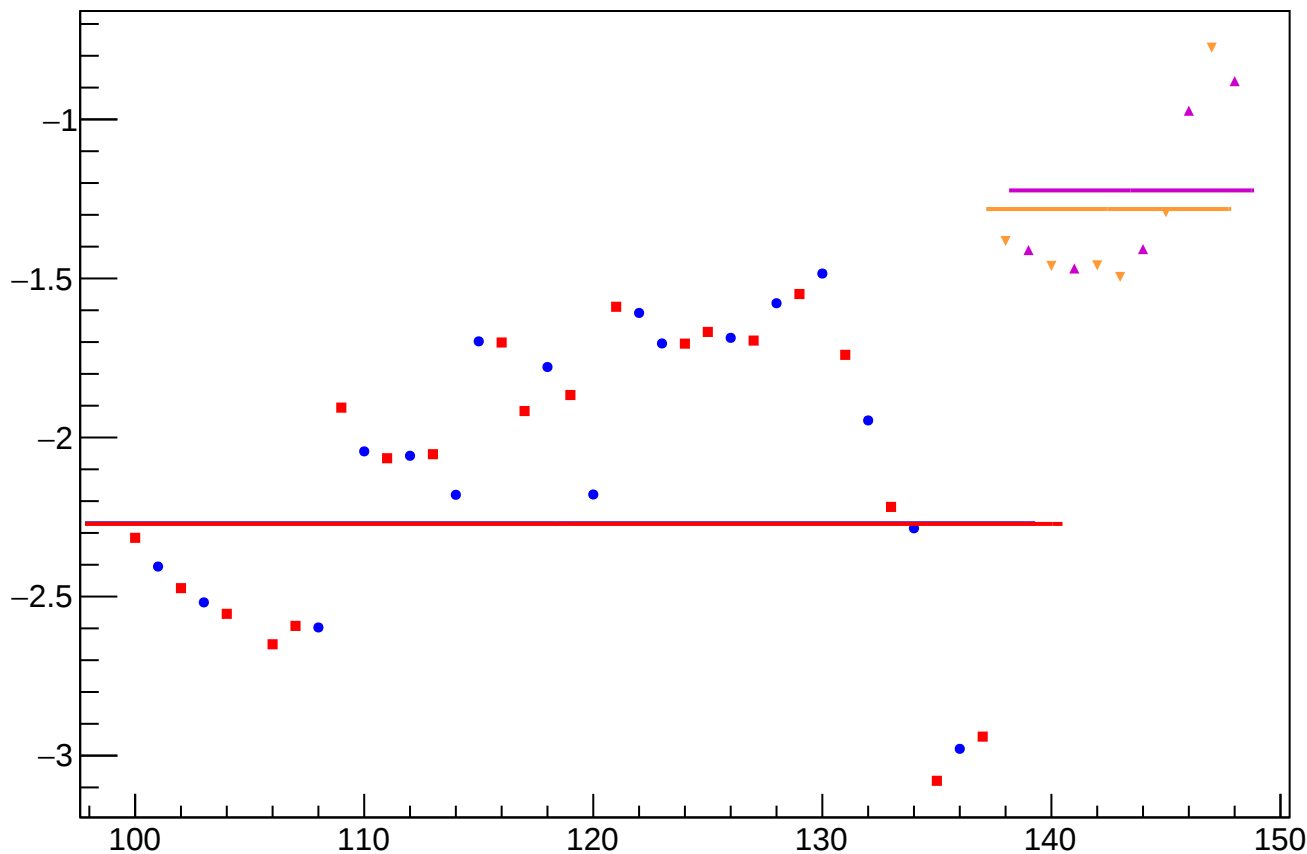
Left In: 0.009+/-0.000 χ^2/NDF : 69160.2/4

0.009+/-0.000 χ^2/NDF : 231376.1/22

0.009+/-0.000 χ^2/NDF : 482812.7/47

0.009+/-0.000 χ^2/NDF : 247019.6/24

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.270 $\pm$ 0.000 χ^2 /NDF: 17408567065.9/16

Left Out: -1.282 $\pm$ 0.000 χ^2 /NDF: 4692692929.6/5

Right Out: -2.272 $\pm$ 0.000 χ^2 /NDF: 19012236430.2/19

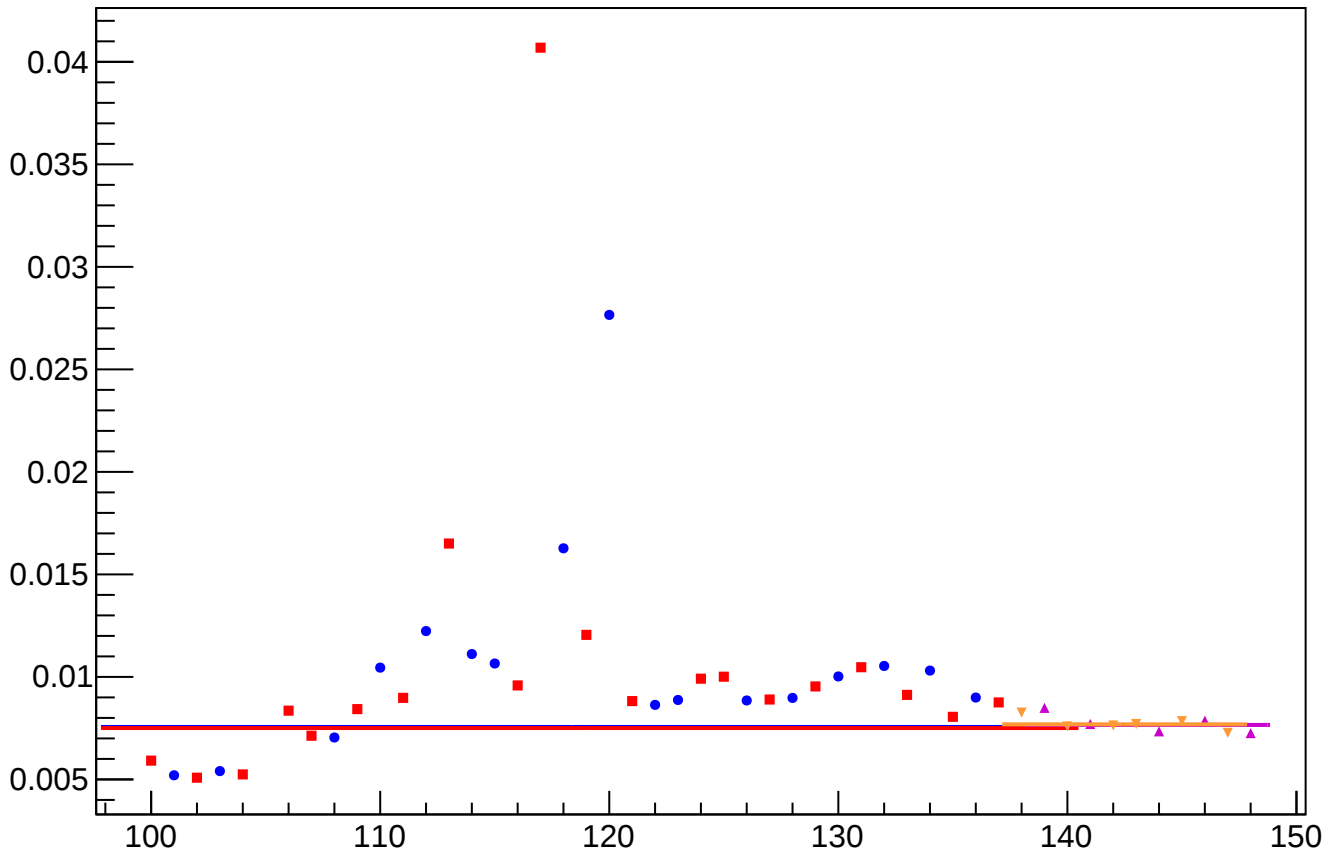
Left In: -1.223 $\pm$ 0.000 χ^2 /NDF: 4072104226.9/4

-1.851 $\pm$ 0.000 χ^2 /NDF: 58579380446.9/22

-1.857 $\pm$ 0.000 χ^2 /NDF: 124371794699.6

-1.863 $\pm$ 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:11571.4/5

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 984811.6/19

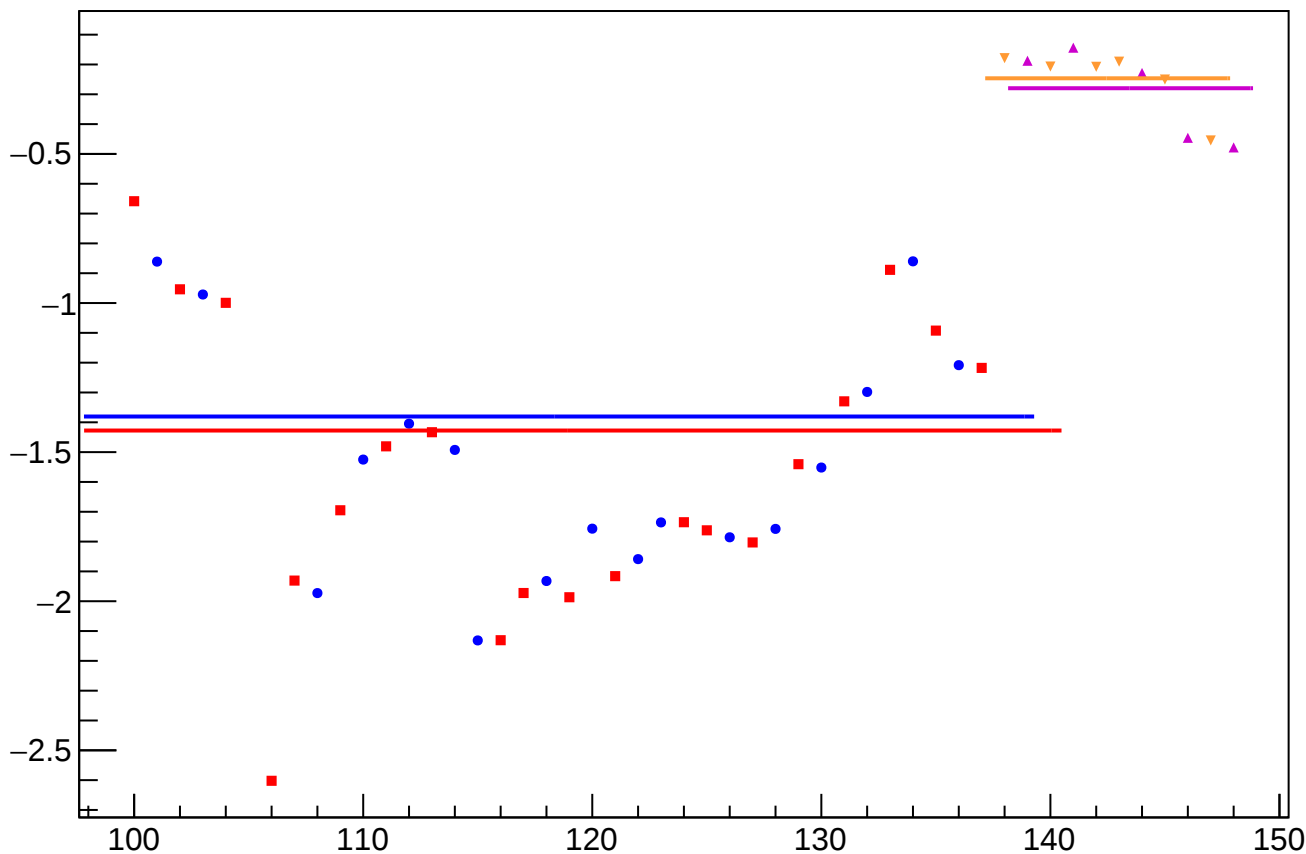
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:20746.0/4

0.008 $\pm$ 0.000 χ^2 /NDF: 1233804.4/22

0.008 $\pm$ 0.000 χ^2 /NDF: 2241500.7/47

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: -0.246+/-0.000 χ^2/NDF : 1995093690.3/5

Right Out: -1.428+/-0.000 χ^2/NDF : 29626603581.6/19

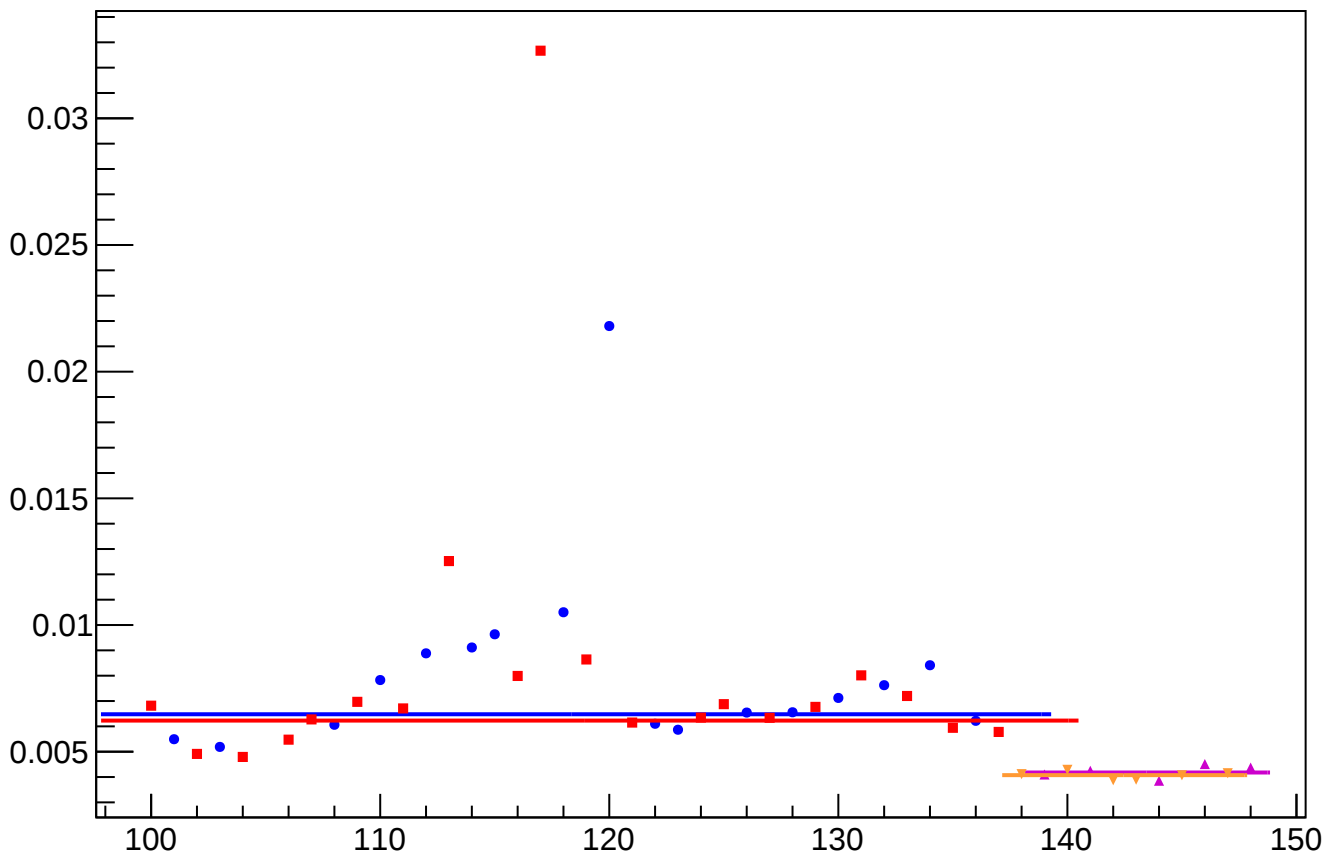
Left In: -0.280+/-0.000 χ^2/NDF : 3548814703.0/4

-0.660+/-0.000 χ^2/NDF : 128160560279.5/22

-0.715+/-0.000 χ^2/NDF : 278210616663.9

-0.770+/-0.000 χ^2/NDF : 147884434407.6/24

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 : 8890.0/5

Right Out: 0.006+/-0.000 χ^2/NDF : 472534.6/19

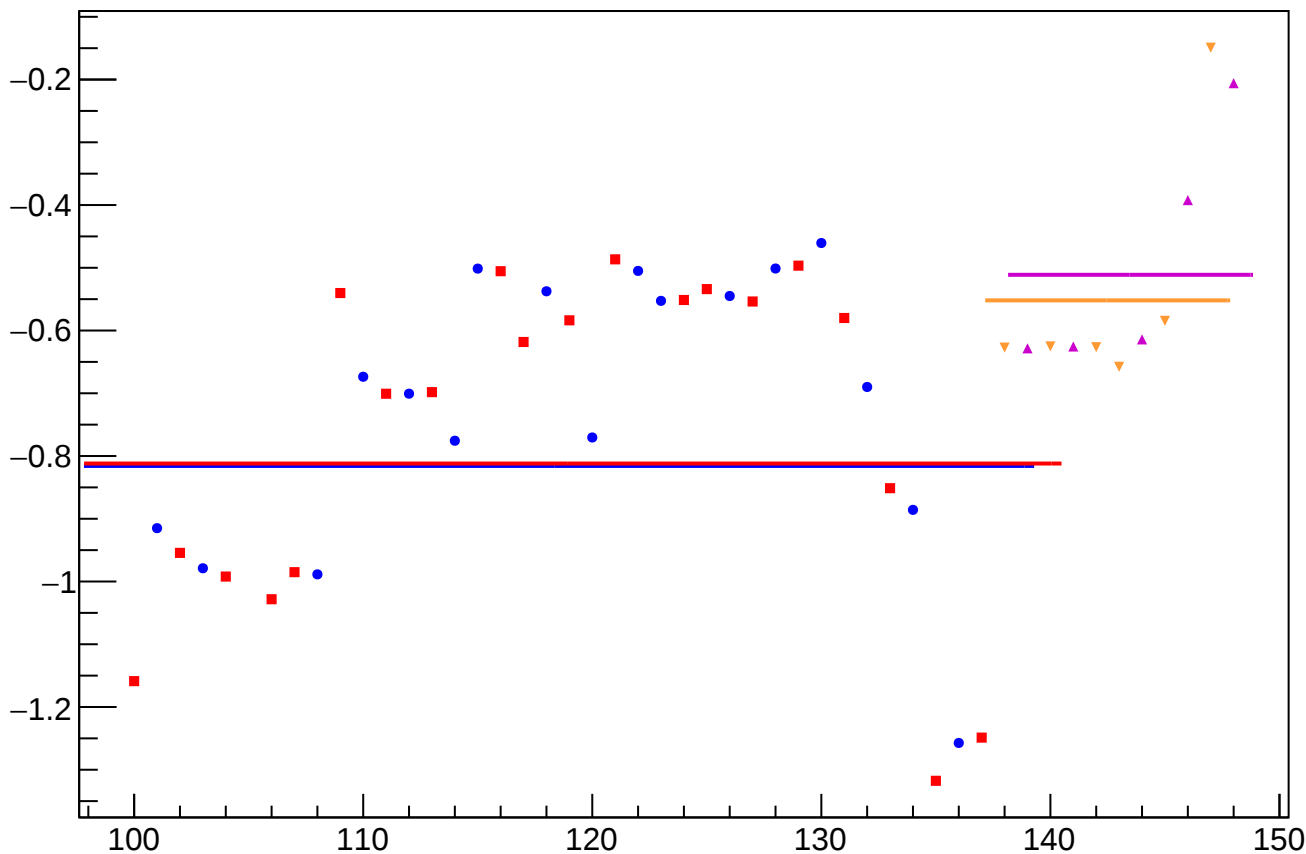
Left In: 0.004+/-0.000 χ^2/NDF : 22130.6/4

0.005+/-0.000 χ^2/NDF : 1534700.2/22

0.005+/-0.000 χ^2/NDF : 2764572.1/47

0.005+/-0.000 χ^2/NDF : 1226039.4/24

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.816 $\pm$ 0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.552 $\pm$ 0.000 χ^2/NDF : 3820333255.2/5

Right Out: -0.812 $\pm$ 0.000 χ^2/NDF : 16818378599.3/19

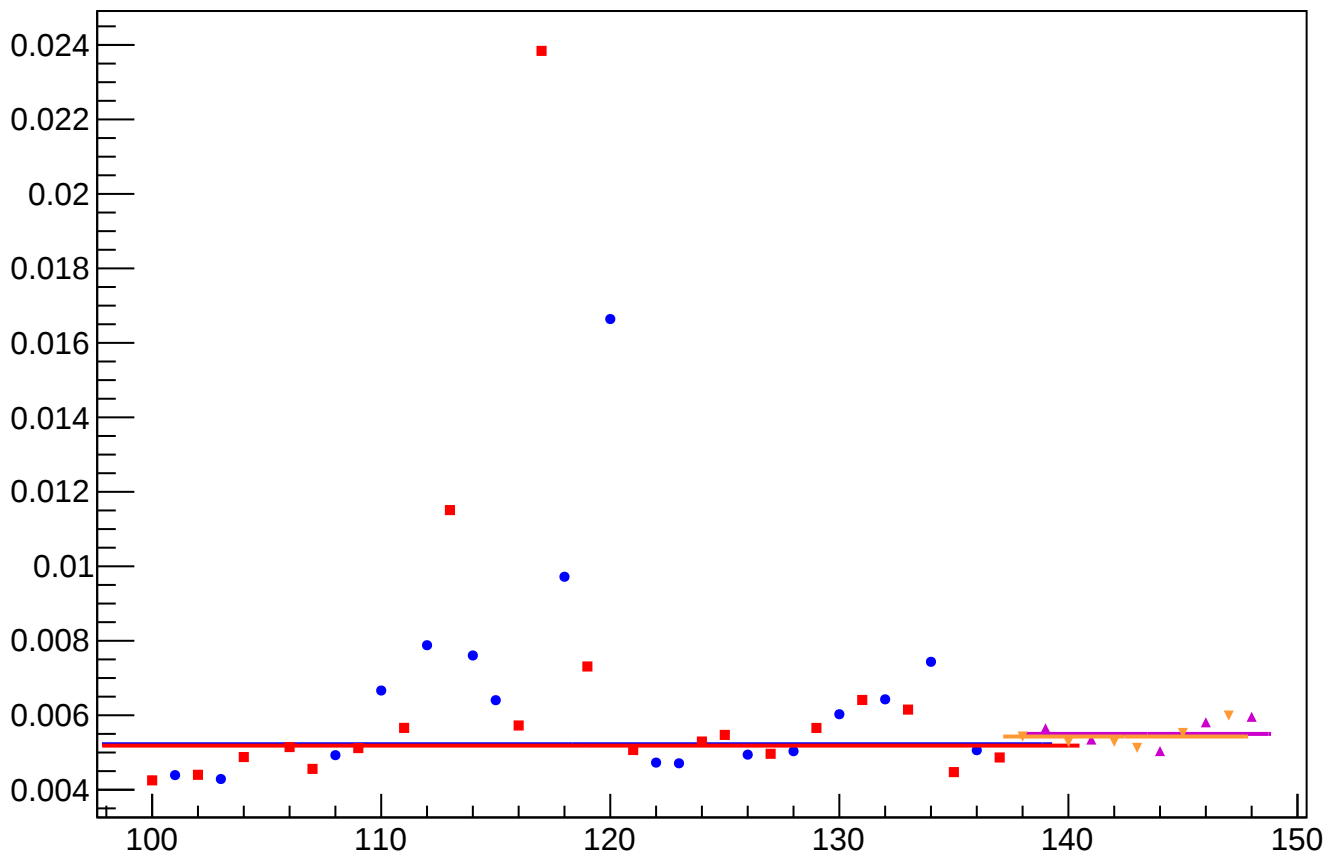
Left In: -0.511 $\pm$ 0.000 χ^2/NDF : 3221939228.4/4

-0.711 $\pm$ 0.000 χ^2/NDF : 23405718944.5/22

-0.708 $\pm$ 0.000 χ^2/NDF : 50569259257.1/4

-0.705 $\pm$ 0.000 χ^2/NDF : 27157455657.4/24

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 : 18963.2/5

Right Out: 0.005+/-0.000 χ^2/NDF : 410640.5/19

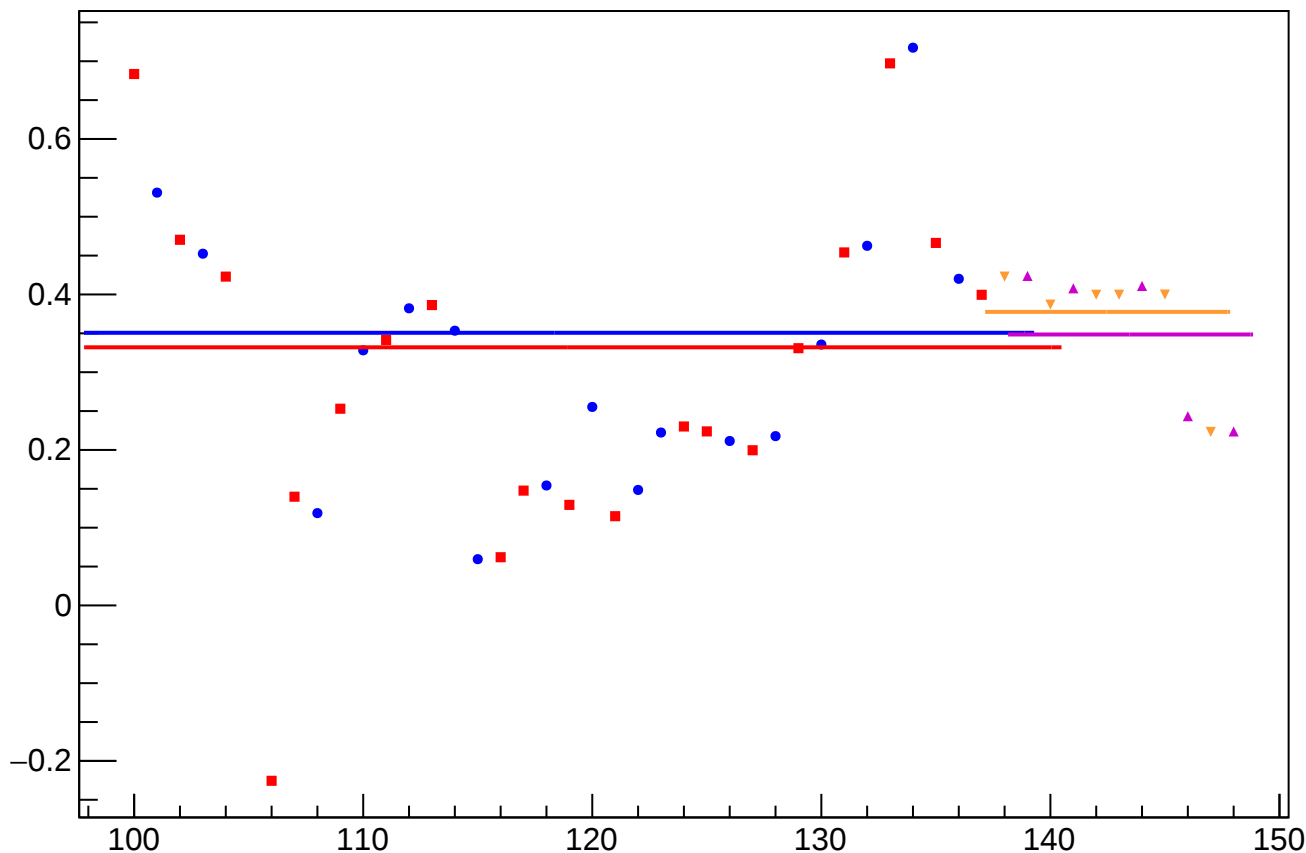
Left In: 0.005+/-0.000 χ^2/NDF : 28725.7/4

0.005+/-0.000 χ^2/NDF : 690078.2/22

0.005+/-0.000 χ^2/NDF : 1144965.6/47

0.005+/-0.000 χ^2/NDF : 454870.1/24

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.351 $\pm$ 0.000 χ^2/NDF : 7410859446.3/16

Left Out: 0.378 $\pm$ 0.000 χ^2/NDF : 1131734138.1/5

Right Out: 0.332 $\pm$ 0.000 χ^2/NDF : 11800695210.2/19

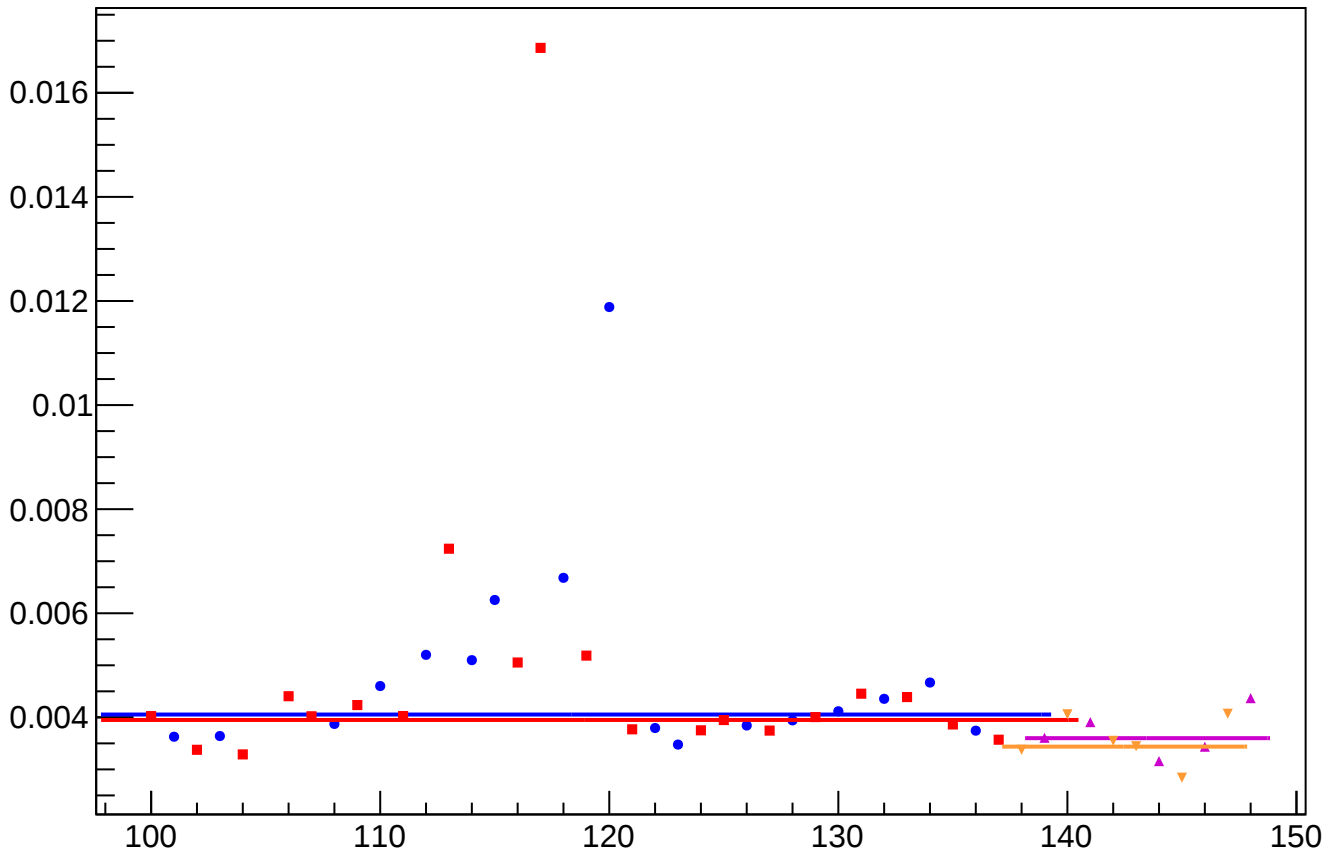
Left In: 0.349 $\pm$ 0.000 χ^2/NDF : 1889455241.4/4

0.363 $\pm$ 0.000 χ^2/NDF : 8656302820.0/22

0.351 $\pm$ 0.000 χ^2/NDF : 22578950348.7/4

0.339 $\pm$ 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: 0.003+/-0.000 χ^2/NDF :122420.8/5

Right Out: 0.004+/-0.000 χ^2/NDF : 304954.7/19

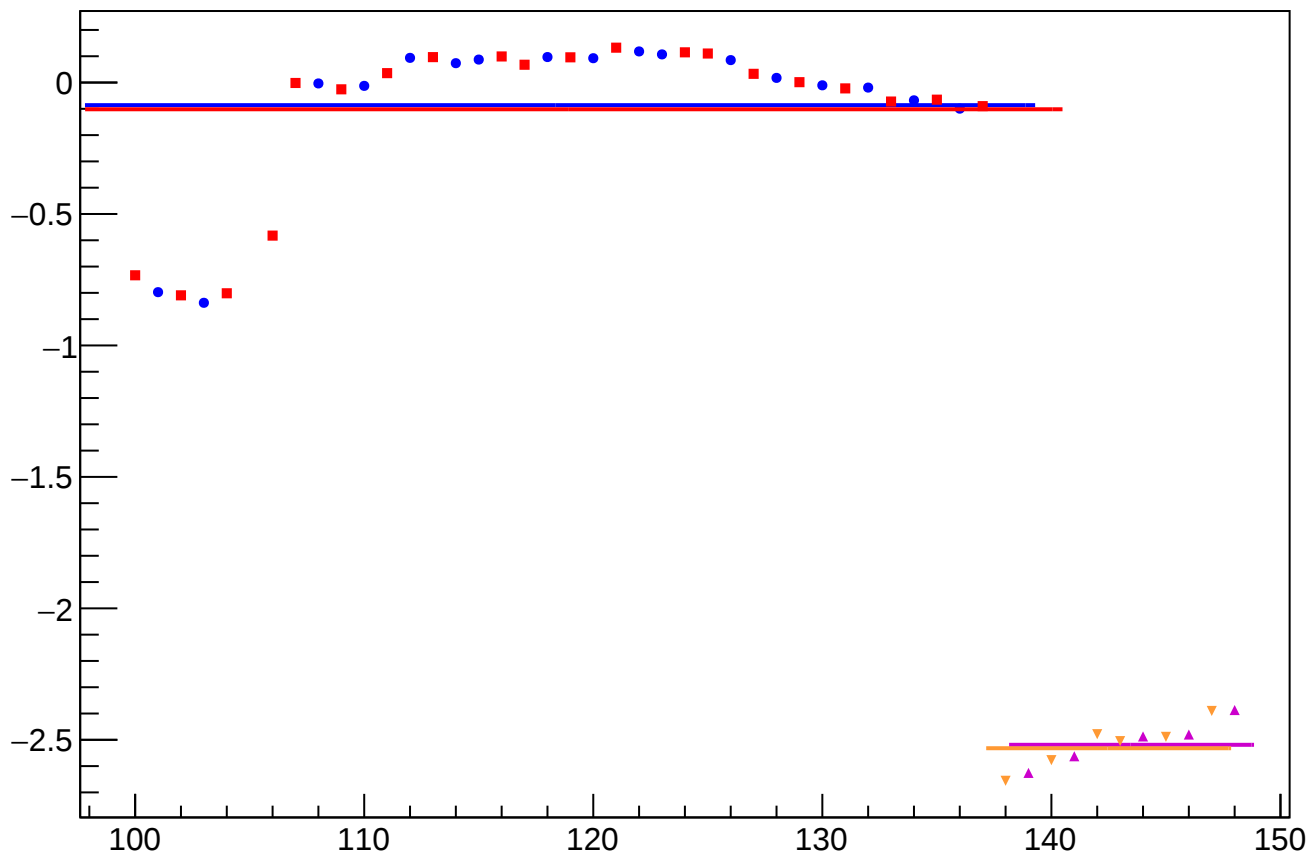
Left In: 0.004+/-0.000 χ^2/NDF :84533.3/4

0.004+/-0.000 χ^2/NDF : 697163.7/22

0.004+/-0.000 χ^2/NDF : 1125487.6/47

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: -2.532+/-0.000 χ^2/NDF : 139034204.1/5

Right Out: -0.102+/-0.000 χ^2/NDF : 5566142794.2/19

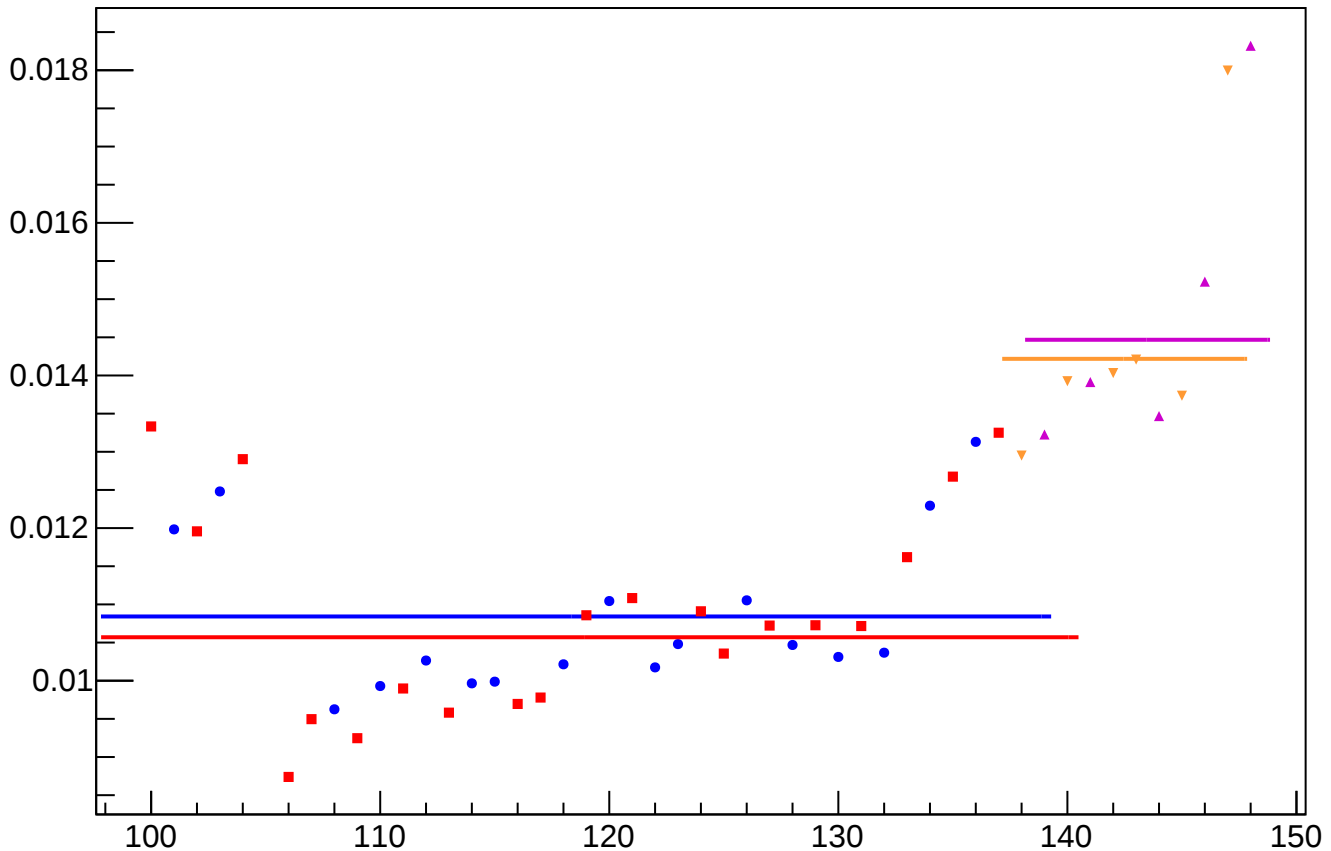
Left In: -2.519+/-0.000 χ^2/NDF : 104593831.0/4

-0.732+/-0.000 χ^2/NDF : 94410145365.4/22

-0.693+/-0.000 χ^2/NDF : 184965284284.3

-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: 0.014+/-0.000 χ^2/NDF : 85102.4/5

Right Out: 0.011+/-0.000 χ^2/NDF : 179537.7/19

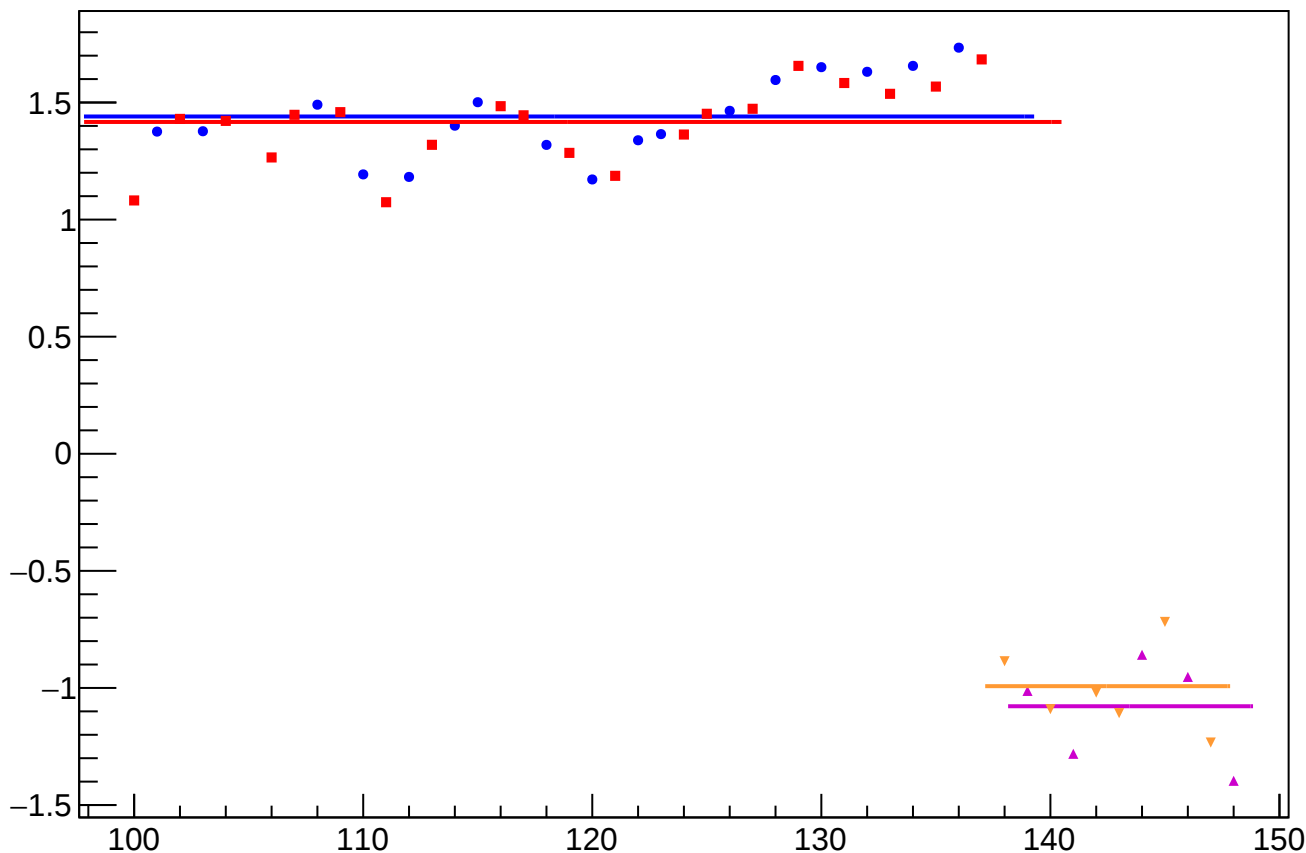
Left In: 0.014+/-0.000 χ^2/NDF : 99429.6/4

0.012+/-0.000 χ^2/NDF : 549579.4/22

0.012+/-0.000 χ^2/NDF : 1274680.2/47

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: -0.992 $\pm$ 0.000 χ^2 /NDF: 1071725798.6/5

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674679406.4/19

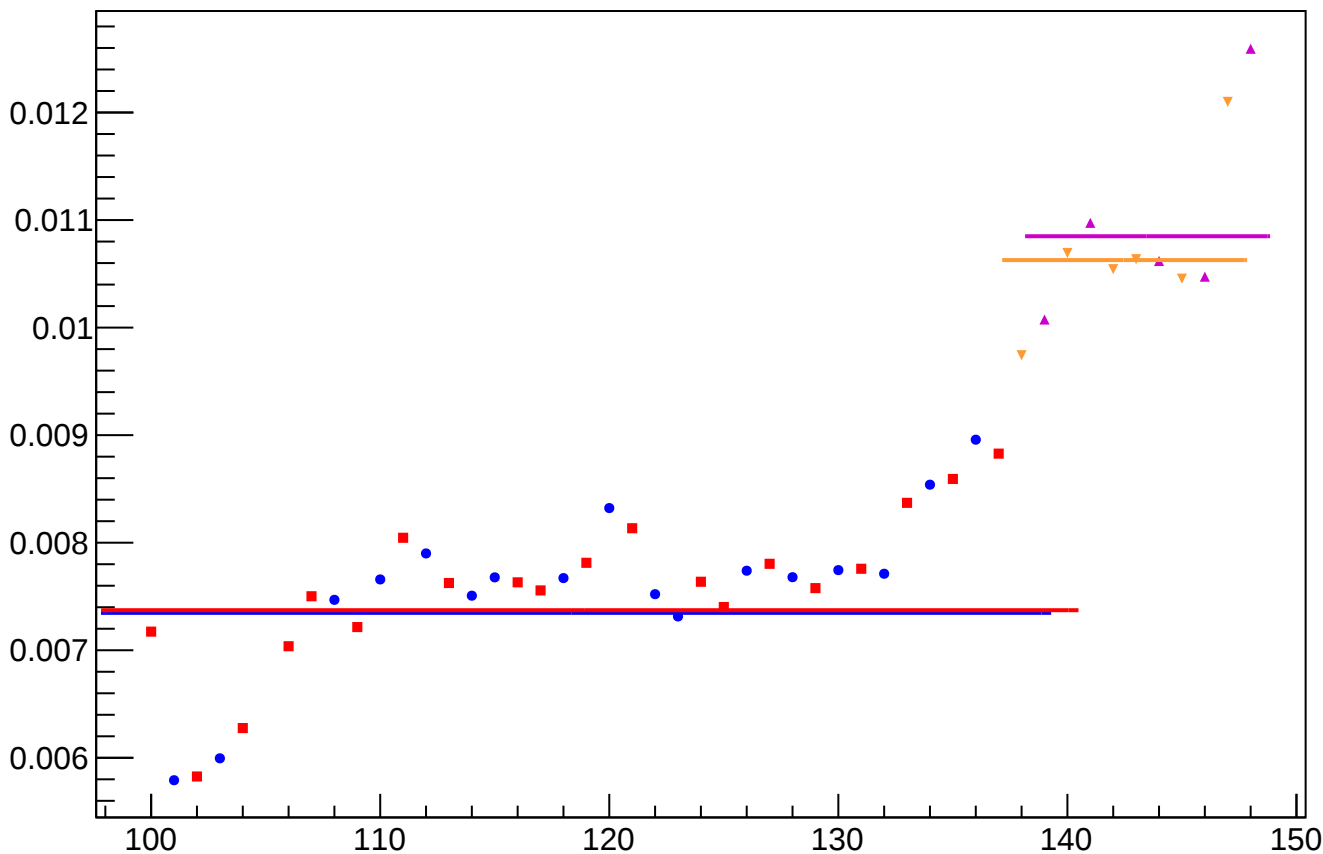
Left In: -1.078 $\pm$ 0.000 χ^2 /NDF: 1312060914.8/4

0.878 $\pm$ 0.000 χ^2 /NDF: 171542359716.0/22

0.891 $\pm$ 0.000 χ^2 /NDF: 342085978485.1/

0.903 $\pm$ 0.000 χ^2 /NDF: 170491474201.9/24

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 228163.6/16

Left Out: 0.011+/-0.000 χ^2/NDF : 35705.4/5

Right Out: 0.007+/-0.000 χ^2/NDF : 172741.0/19

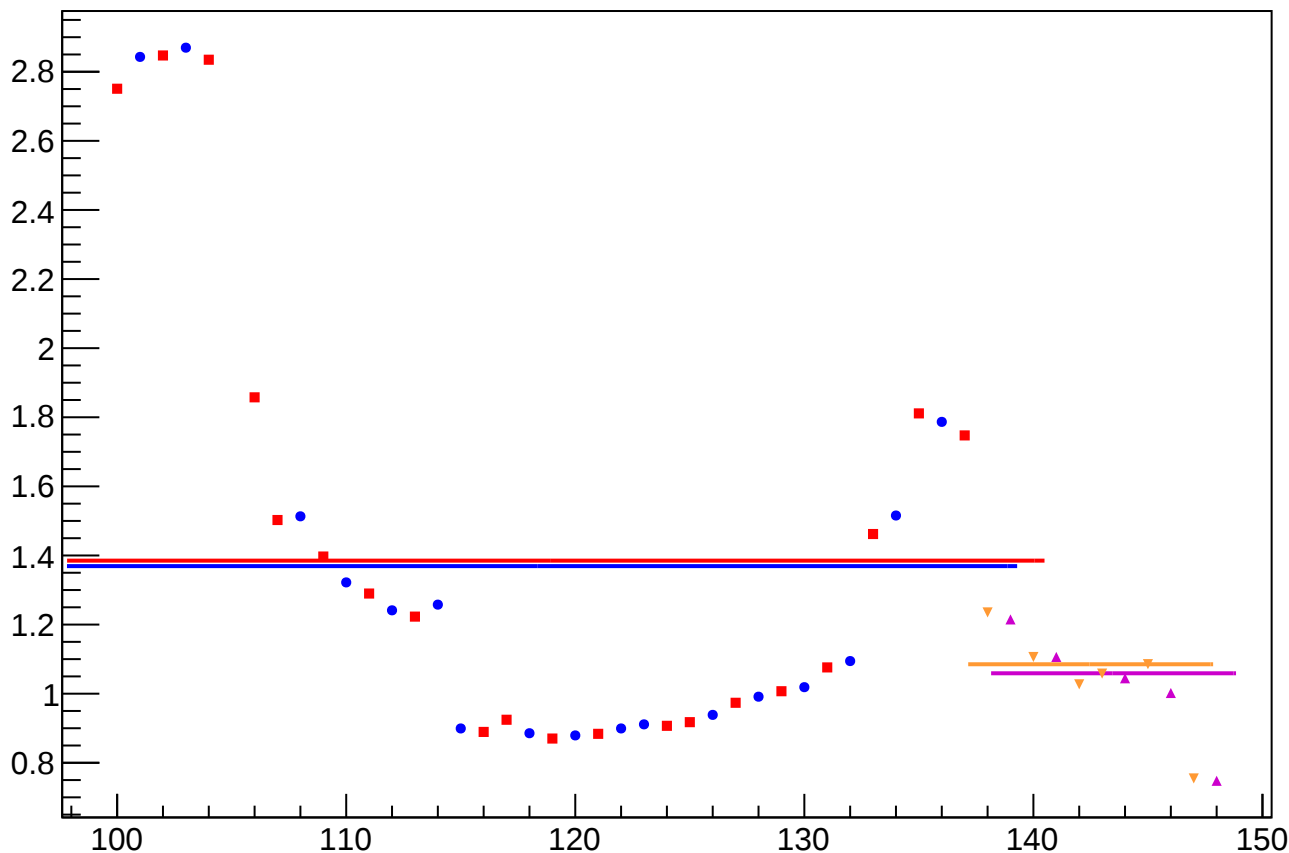
Left In: 0.011+/-0.000 χ^2/NDF : 41888.1/4

0.008+/-0.000 χ^2/NDF : 871155.9/22

0.008+/-0.000 χ^2/NDF : 1732622.0/47

0.008+/-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: 1.085+/-0.000 χ^2/NDF : 872600734.1/5

Right Out: 1.385+/-0.000 χ^2/NDF : 50114562617.6/19

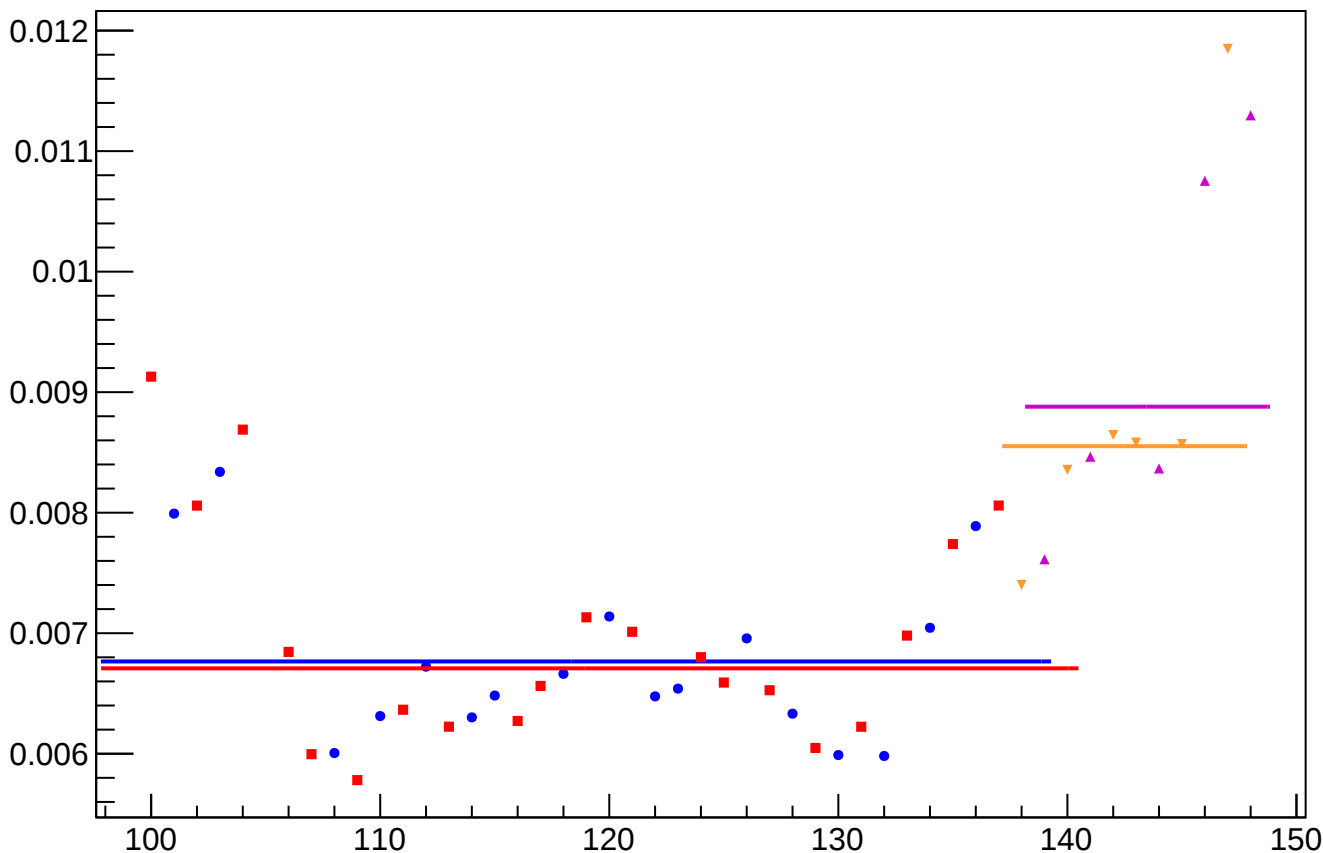
Left In: 1.059+/-0.000 χ^2/NDF : 907863419.8/4

1.292+/-0.000 χ^2/NDF : 58235629592.8/22

1.301+/-0.000 χ^2/NDF : 113149609580.0/22

1.309+/-0.000 χ^2/NDF : 54884461759.0/24

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 159554.9/16

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 144432.1/5

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 187869.7/19

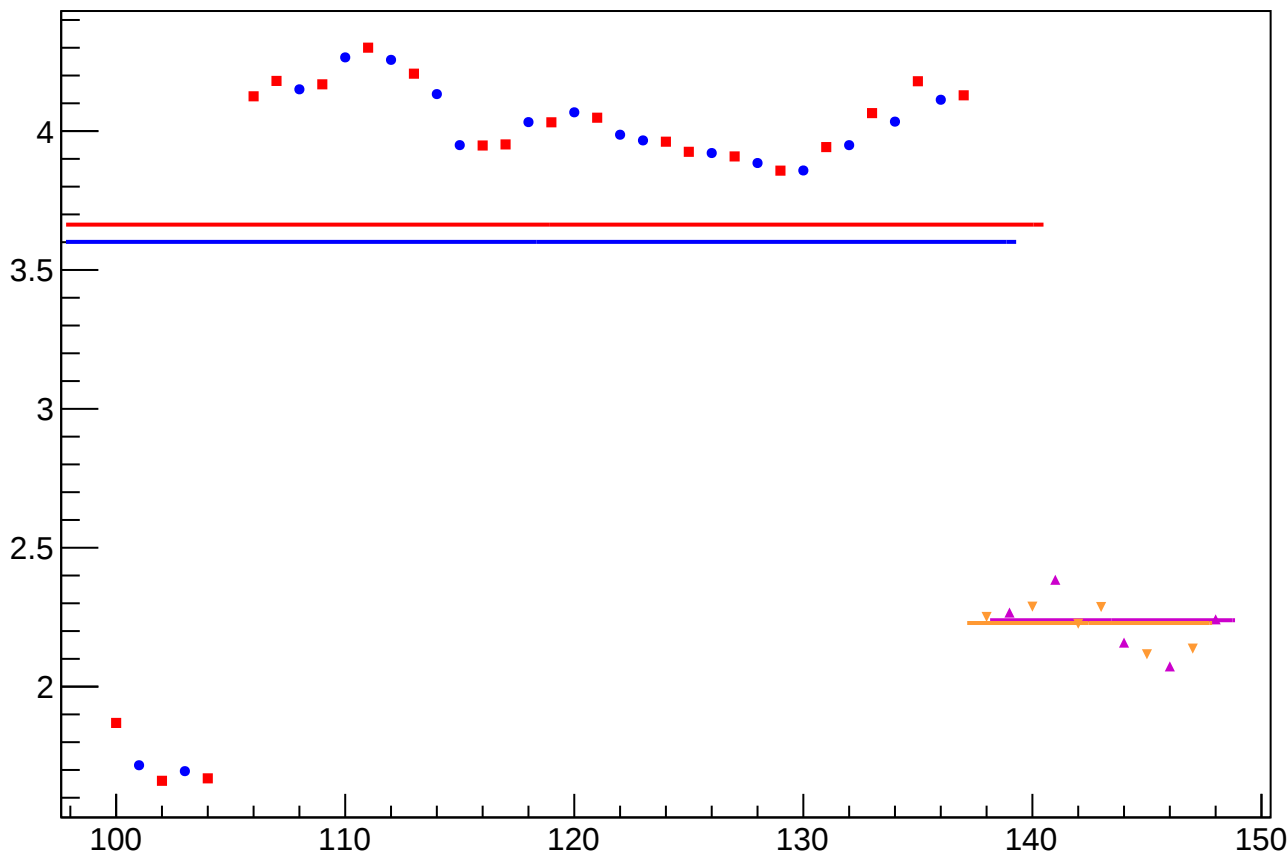
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 159873.1/4

0.007 $\pm$ 0.000 χ^2/NDF : 553741.7/22

0.007 $\pm$ 0.000 χ^2/NDF : 1244312.8/47

0.007 $\pm$ 0.000 χ^2/NDF : 690294.4/24

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.601+/-0.000 χ^2/NDF : 185806937655.3/16

Left Out: 2.229+/-0.000 χ^2/NDF : 297466070.1/5

Right Out: 3.663+/-0.000 χ^2/NDF : 192640409625.9/19

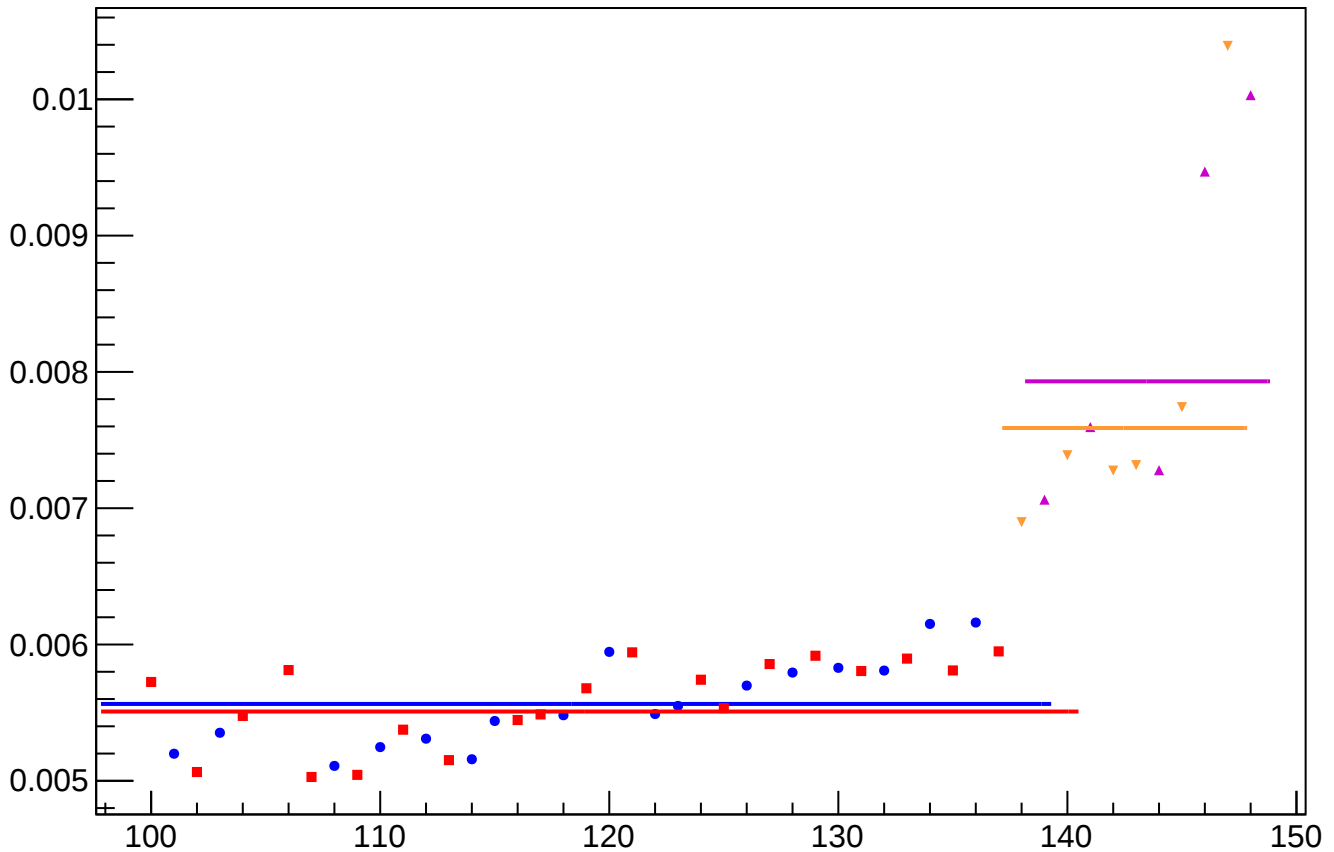
Left In: 2.239+/-0.000 χ^2/NDF : 630890172.7/4

3.273+/-0.000 χ^2/NDF : 283188716837.2/22

3.324+/-0.000 χ^2/NDF : 572821955930.4/19

3.374+/-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 :117611.0/5

Right Out: 0.006+/-0.000 χ^2/NDF : 52636.1/19

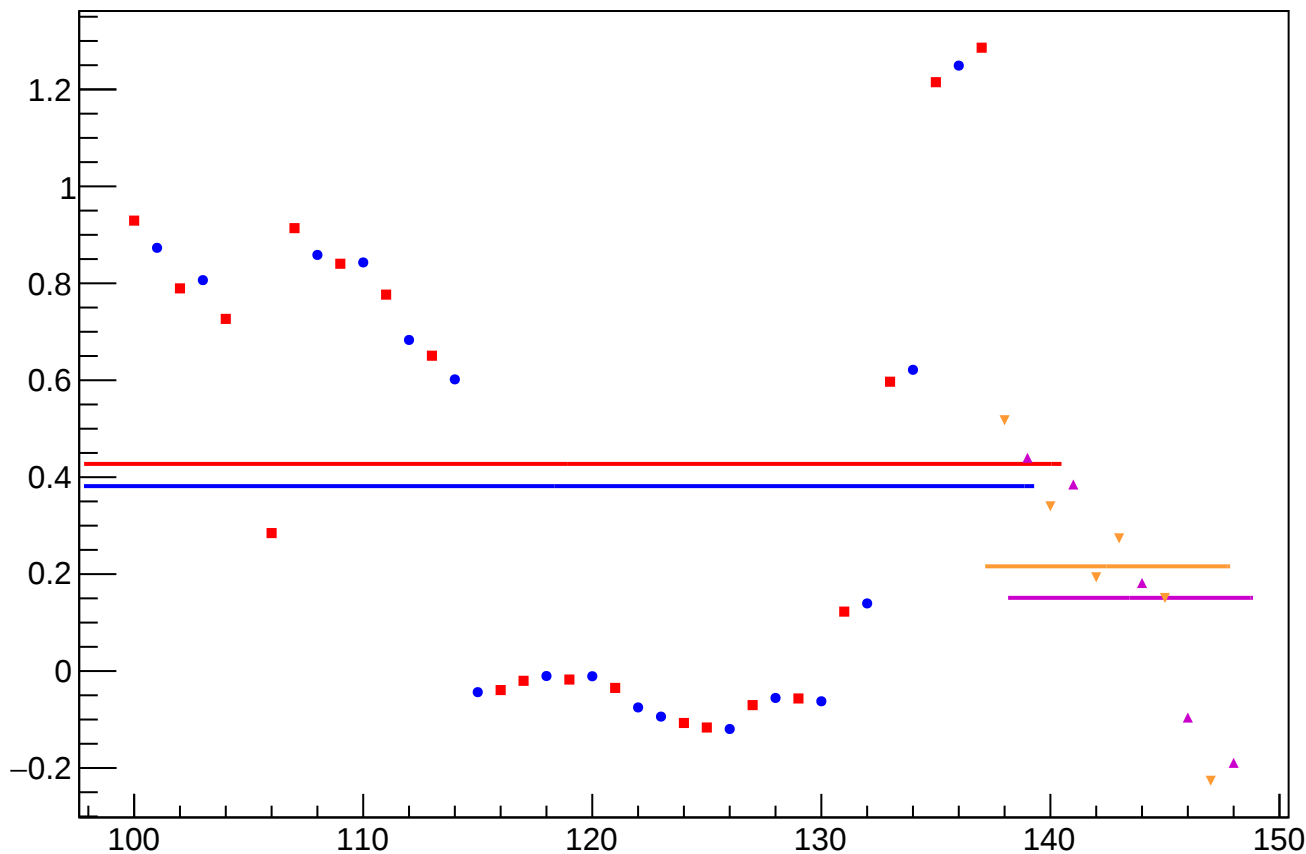
Left In: 0.008+/-0.000 χ^2/NDF :136990.7/4

0.006+/-0.000 χ^2/NDF : 587859.8/22

0.006+/-0.000 χ^2/NDF : 1327318.5/47

0.006+/-0.000 χ^2/NDF : 738803.5/24

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.382 $\pm$ 0.000 χ^2 /NDF: 7124759123.1/16

Left Out: 0.216 $\pm$ 0.000 χ^2 /NDF:836841245.4/5

Right Out: 0.427 $\pm$ 0.000 χ^2 /NDF: 6716521382.4/19

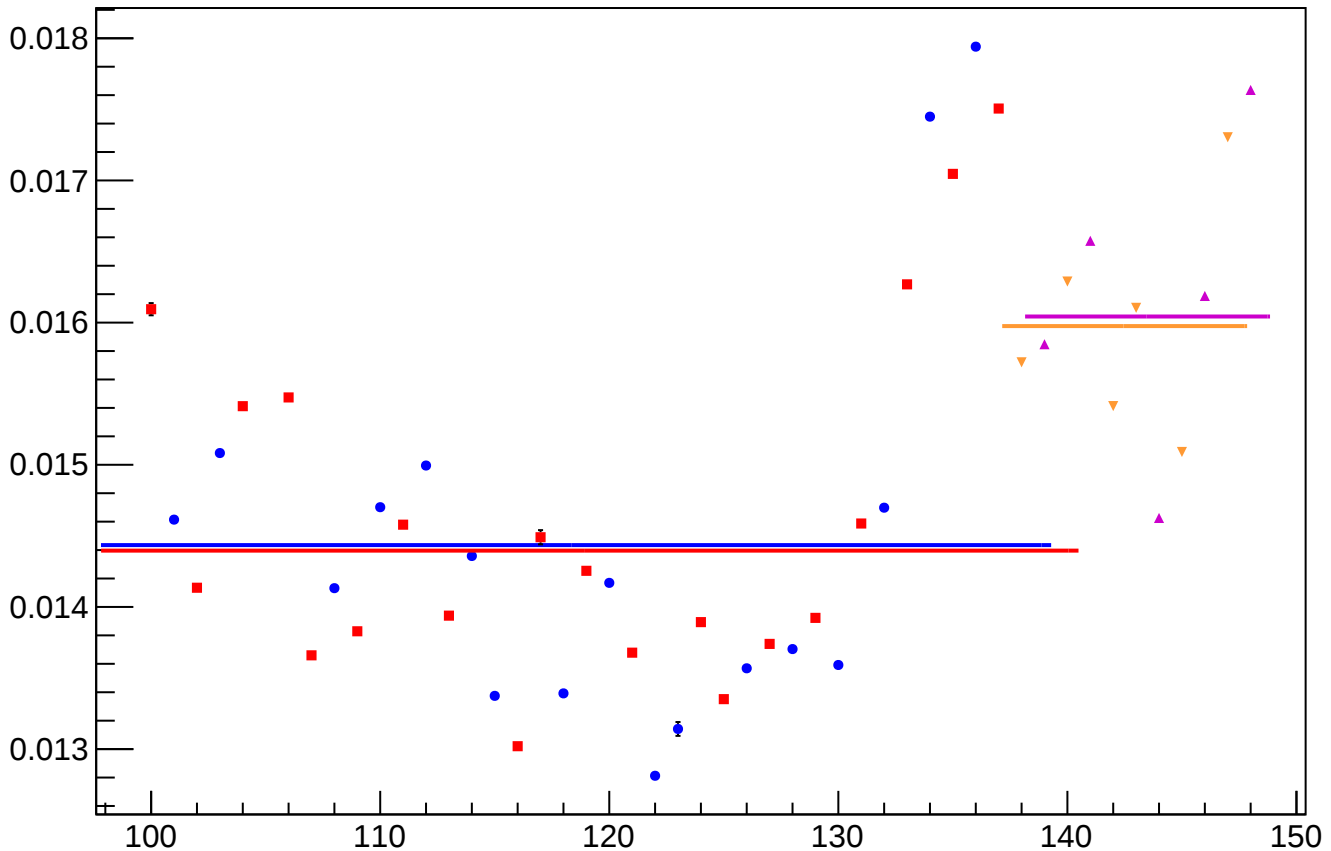
Left In: 0.151 $\pm$ 0.000 χ^2 /NDF:876615351.4/4

0.326 $\pm$ 0.000 χ^2 /NDF: 8254180655.4/22

0.334 $\pm$ 0.000 χ^2 /NDF: 16656342654.1/4

0.341 $\pm$ 0.000 χ^2 /NDF: 8396541275.5/24

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.014 +/- 0.000 χ^2/NDF : 110224.4/16

Left Out: 0.016 +/- 0.000 χ^2/NDF : 16421.4/5

Right Out: 0.014 +/- 0.000 χ^2/NDF : 74535.1/19

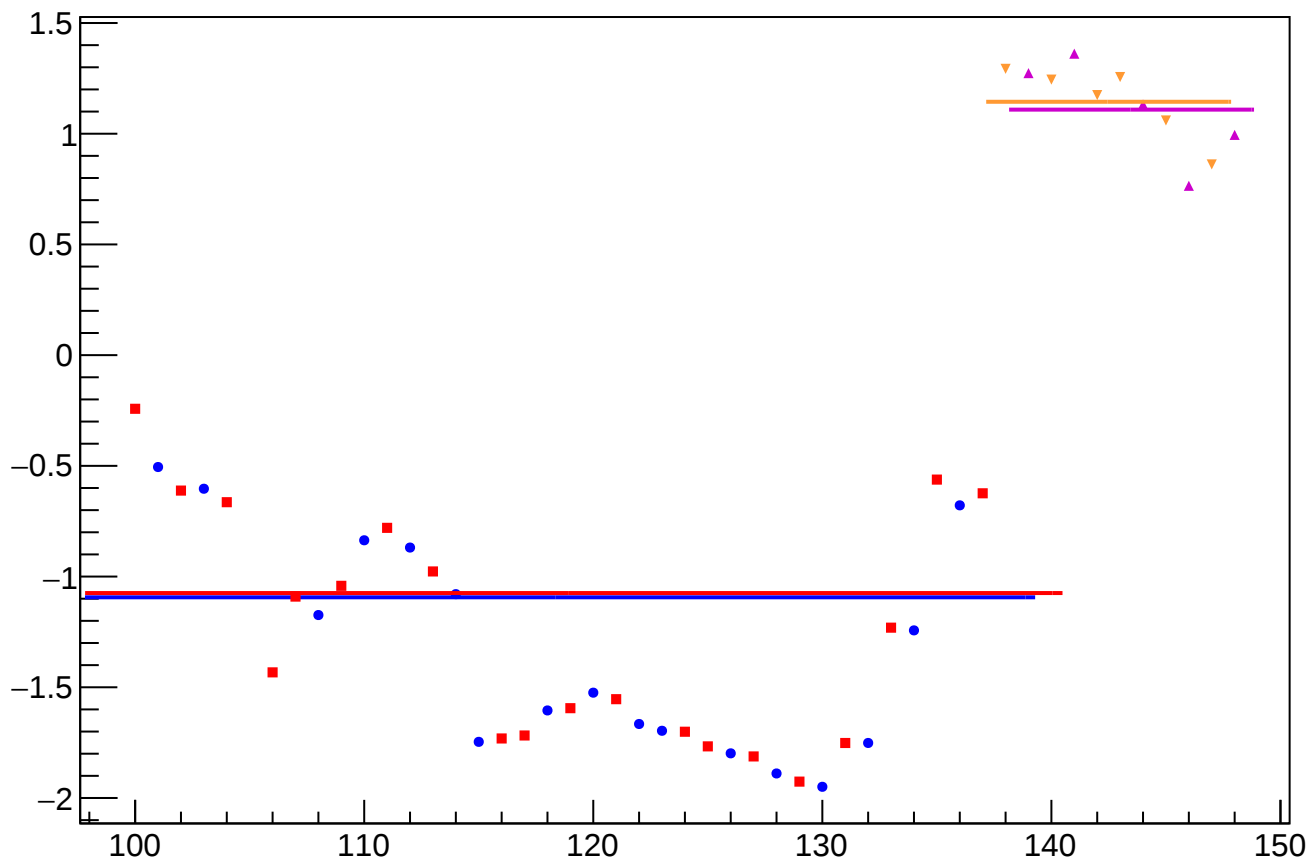
Left In: 0.016 +/- 0.000 χ^2/NDF : 31014.2/4

0.015 +/- 0.000 χ^2/NDF : 177359.7/22

0.015 +/- 0.000 χ^2/NDF : 340062.5/47

0.015 +/- 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: 1.144+/-0.000 χ^2/NDF : 6042965233.3/5

Right Out: -1.074+/-0.000 χ^2/NDF : 47208439320.8/19

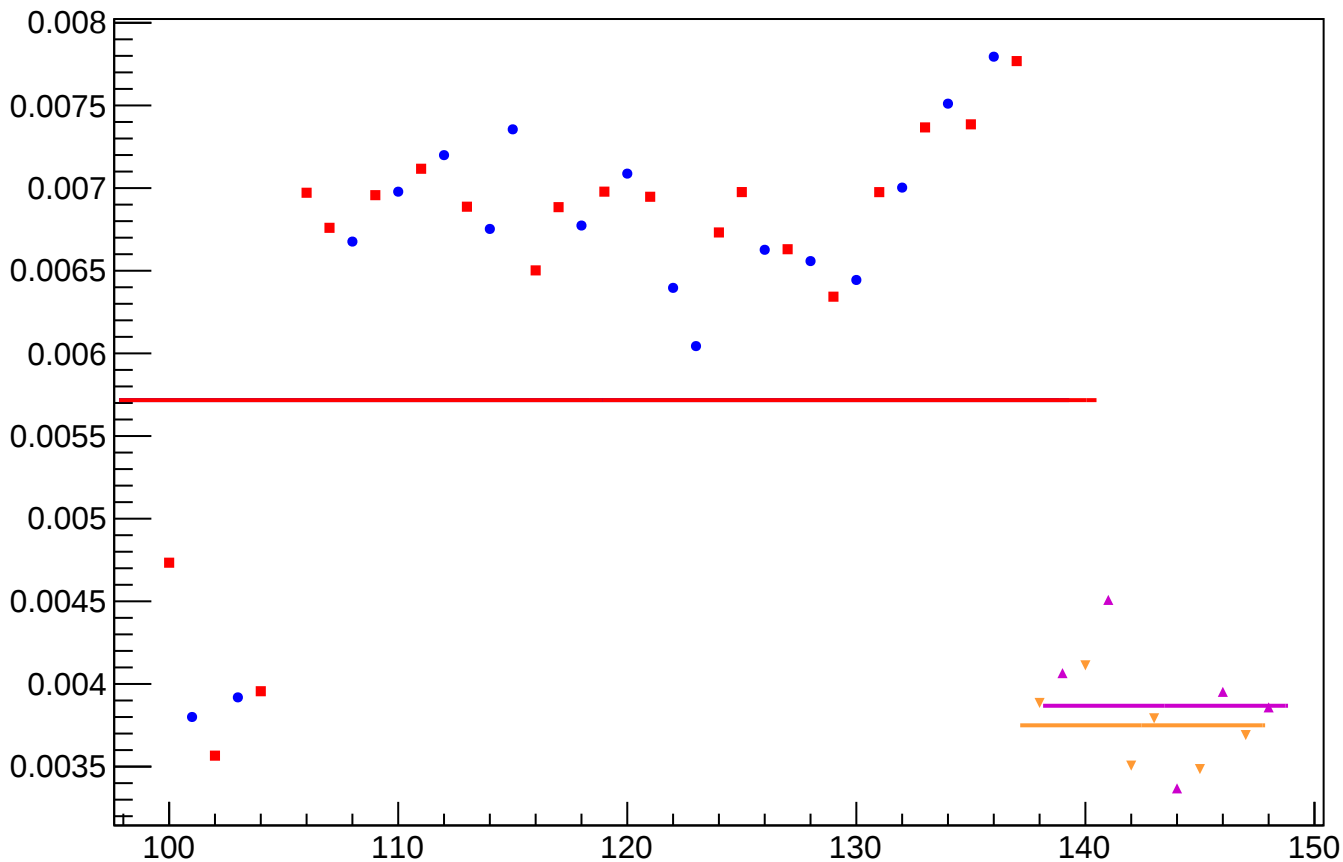
Left In: 1.109+/-0.000 χ^2/NDF : 8611072790.2/4

0.236+/-0.000 χ^2/NDF : 602660352711.0/22

0.183+/-0.000 χ^2/NDF : 1158204743116.4

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: 25410.5/5

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 925957.4/19

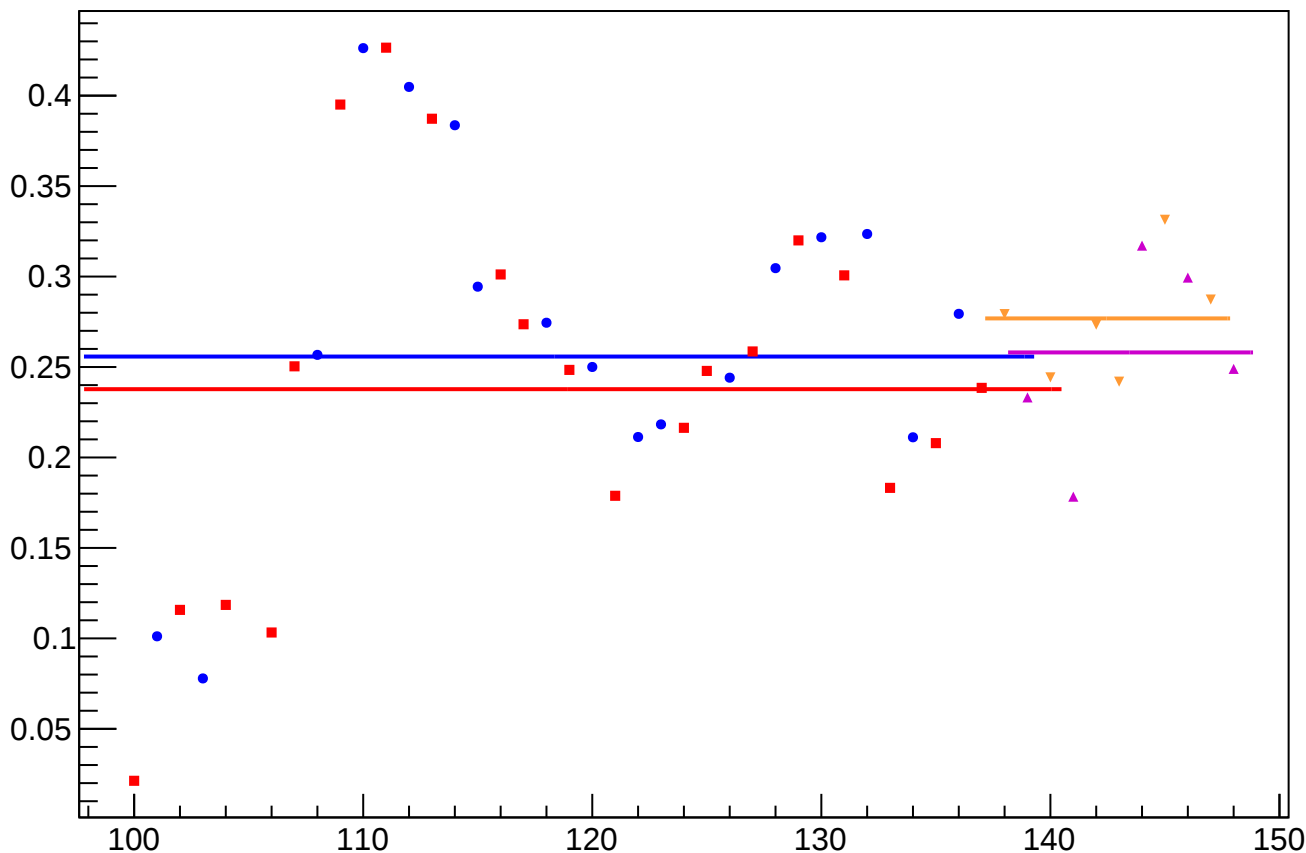
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF: 71124.9/4

0.005 $\pm$ 0.000 χ^2 /NDF: 1699102.1/22

0.005 $\pm$ 0.000 χ^2 /NDF: 3419282.4/47

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: 0.277 $\pm$ 0.000 χ^2 /NDF:1530464722.7/5

Right Out: 0.238 $\pm$ 0.000 χ^2 /NDF: 26077768189.7/19

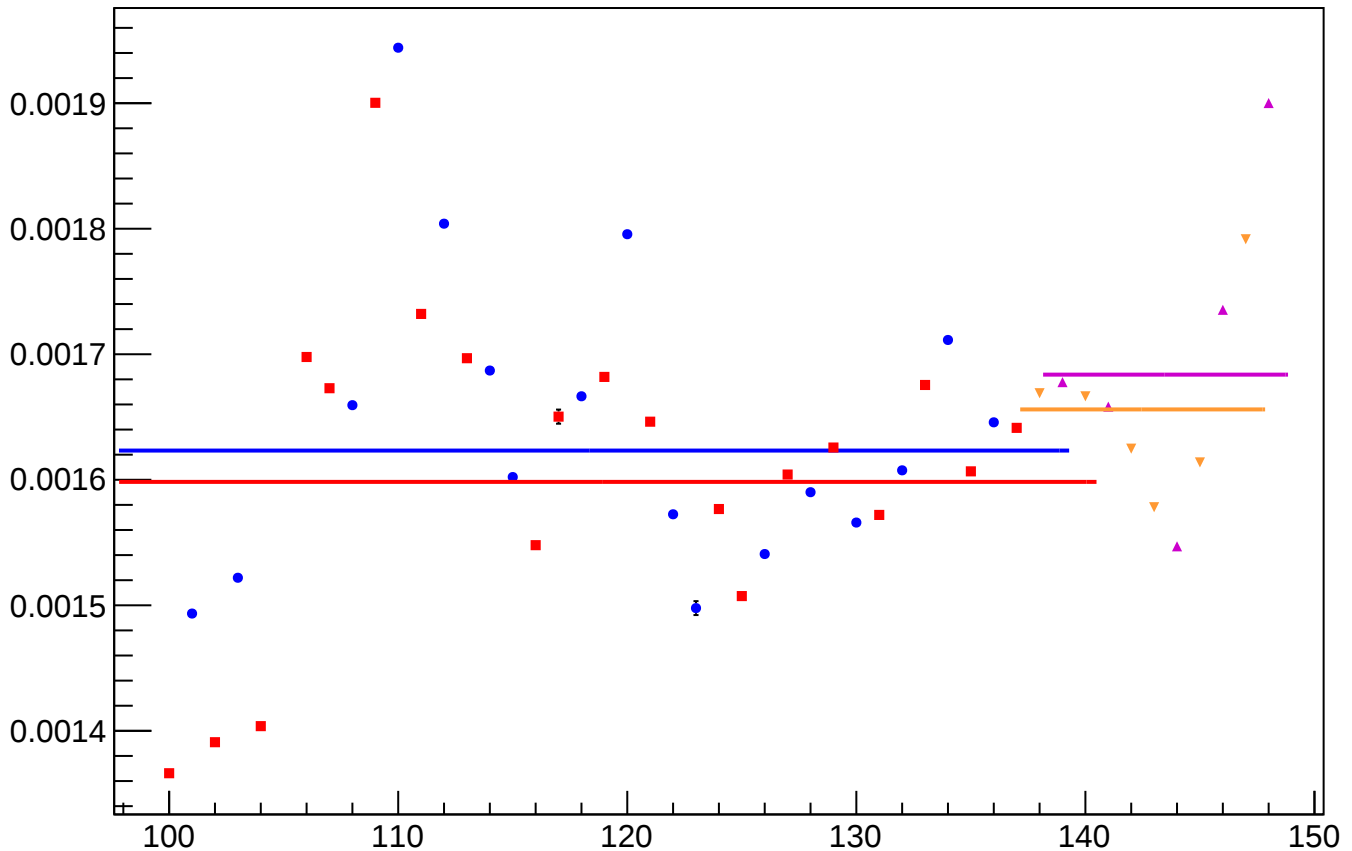
Left In: 0.258 $\pm$ 0.000 χ^2 /NDF:3807146376.4/4

0.264 $\pm$ 0.000 χ^2 /NDF: 23309333389.1/22

0.254 $\pm$ 0.000 χ^2 /NDF: 54319644852.2/4

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 :13350.2/5

Right Out: 0.002+/-0.000 χ^2/NDF : 90764.4/19

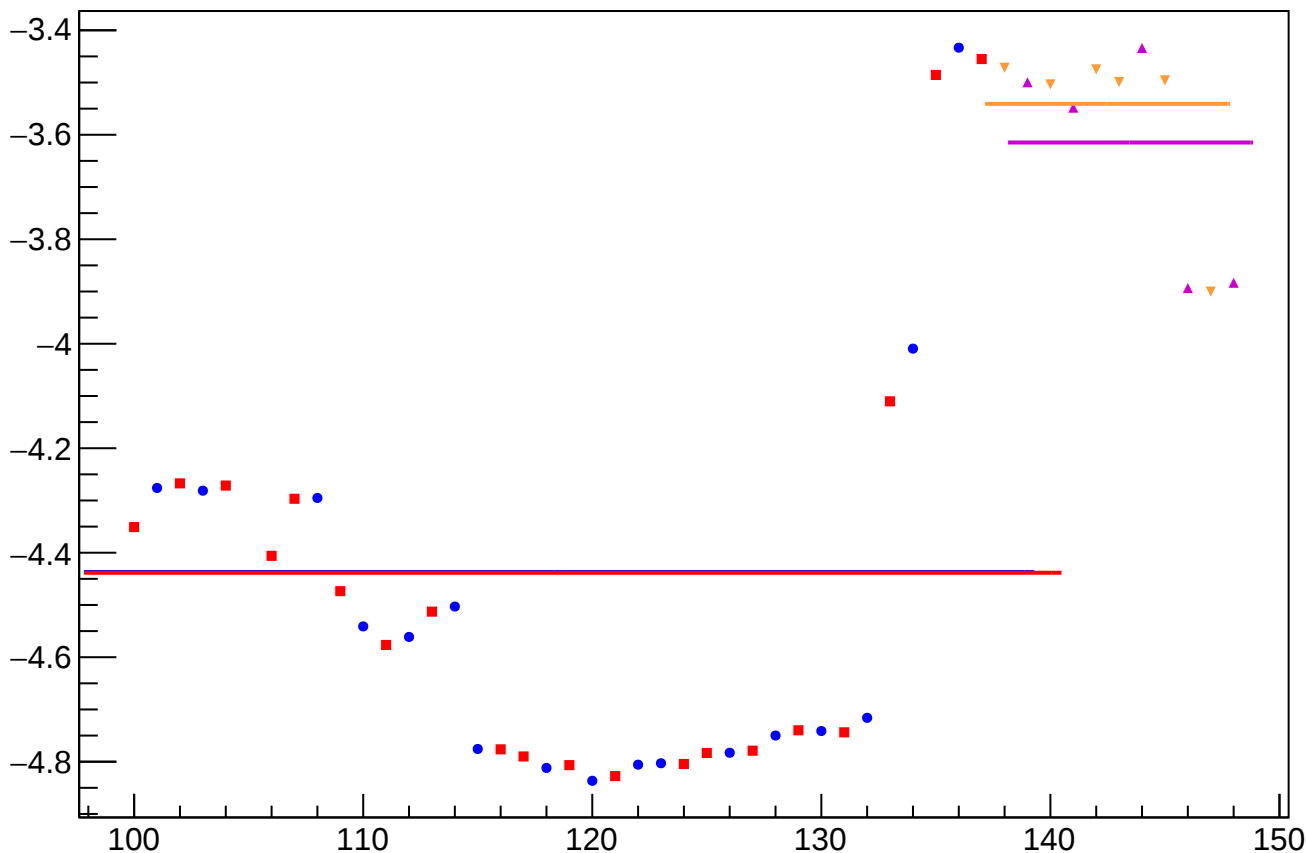
Left In: 0.002+/-0.000 χ^2/NDF :34426.9/4

0.002+/-0.000 χ^2/NDF : 67818.0/22

0.002+/-0.000 χ^2/NDF : 206691.1/47

0.002+/-0.000 χ^2/NDF : 138555.9/24

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.437 $\pm$ 0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.541 $\pm$ 0.000 χ^2/NDF : 20081121228.4/5

-4.121 $\pm$ 0.000 χ^2/NDF : 979037072186.5/22

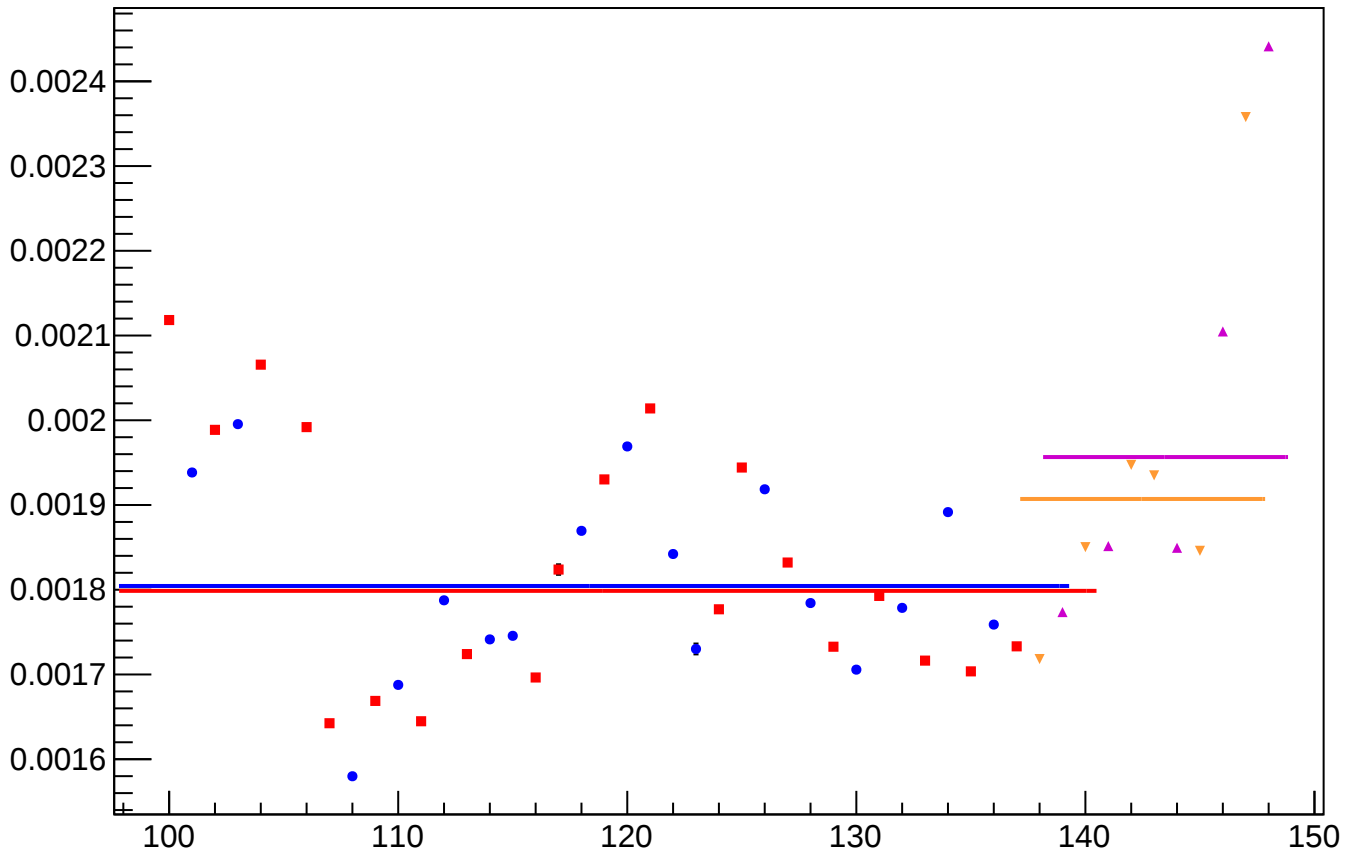
Right Out: -4.438 $\pm$ 0.000 χ^2/NDF : 326800745779.7/19

-4.148 $\pm$ 0.000 χ^2/NDF : 1809018498989.0/24

-4.175 $\pm$ 0.000 χ^2/NDF : 825431857229.6/24

Left In: -3.615 $\pm$ 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 : 75224.2/5

Right Out: 0.002+/-0.000 χ^2/NDF : 81037.5/19

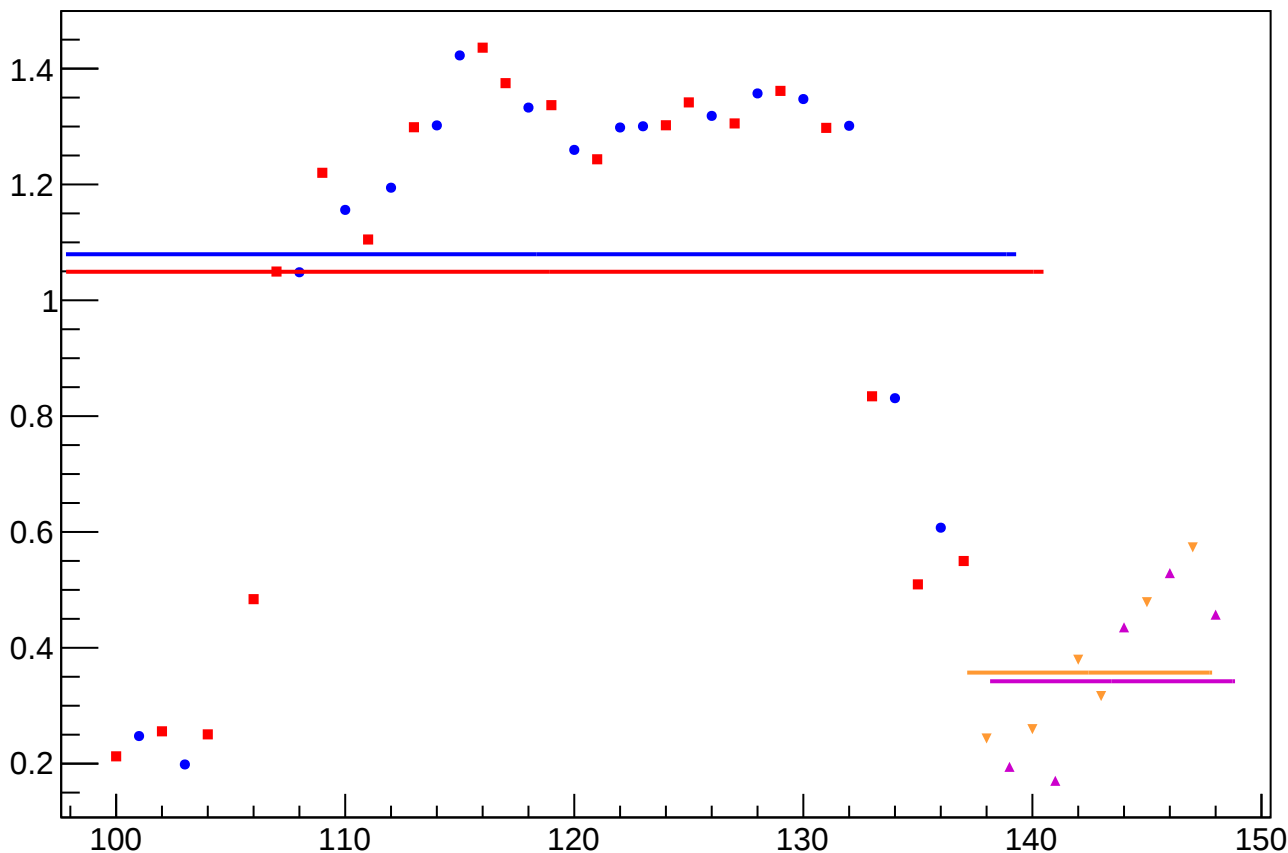
Left In: 0.002+/-0.000 χ^2/NDF : 95005.2/4

0.002+/-0.000 χ^2/NDF : 139189.7/22

0.002+/-0.000 χ^2/NDF : 349548.8/47

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: 0.357 $\pm$ 0.000 χ^2/NDF :504721142.7/5

Right Out: 1.049 $\pm$ 0.000 χ^2/NDF : 19787986428.4/19

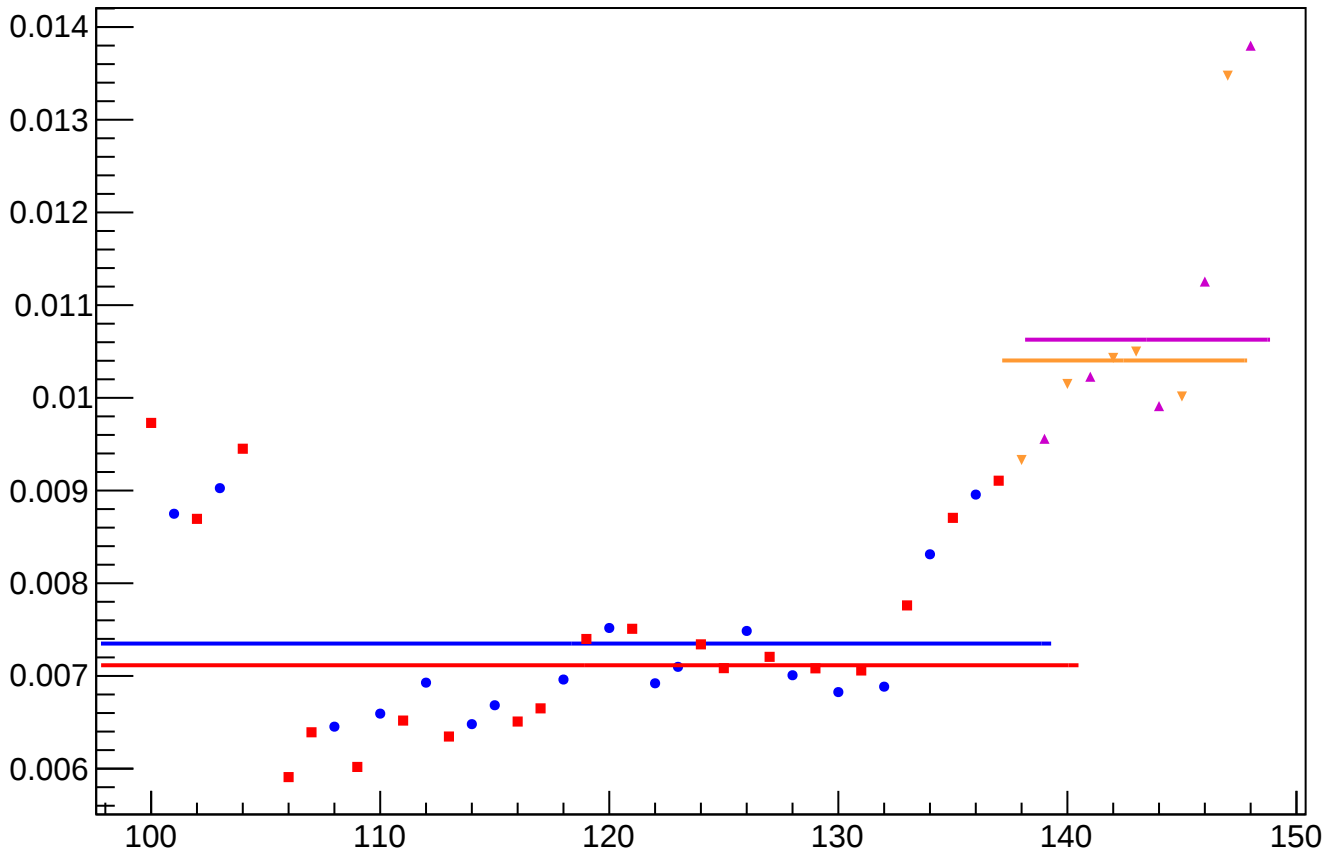
Left In: 0.342 $\pm$ 0.000 χ^2/NDF :752137843.9/4

0.909 $\pm$ 0.000 χ^2/NDF : 33102473271.5/22

0.908 $\pm$ 0.000 χ^2/NDF : 67518480237.8/4

0.908 $\pm$ 0.000 χ^2/NDF : 34415866508.2/24

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 180818.7/16

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 103292.6/5

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 259539.3/19

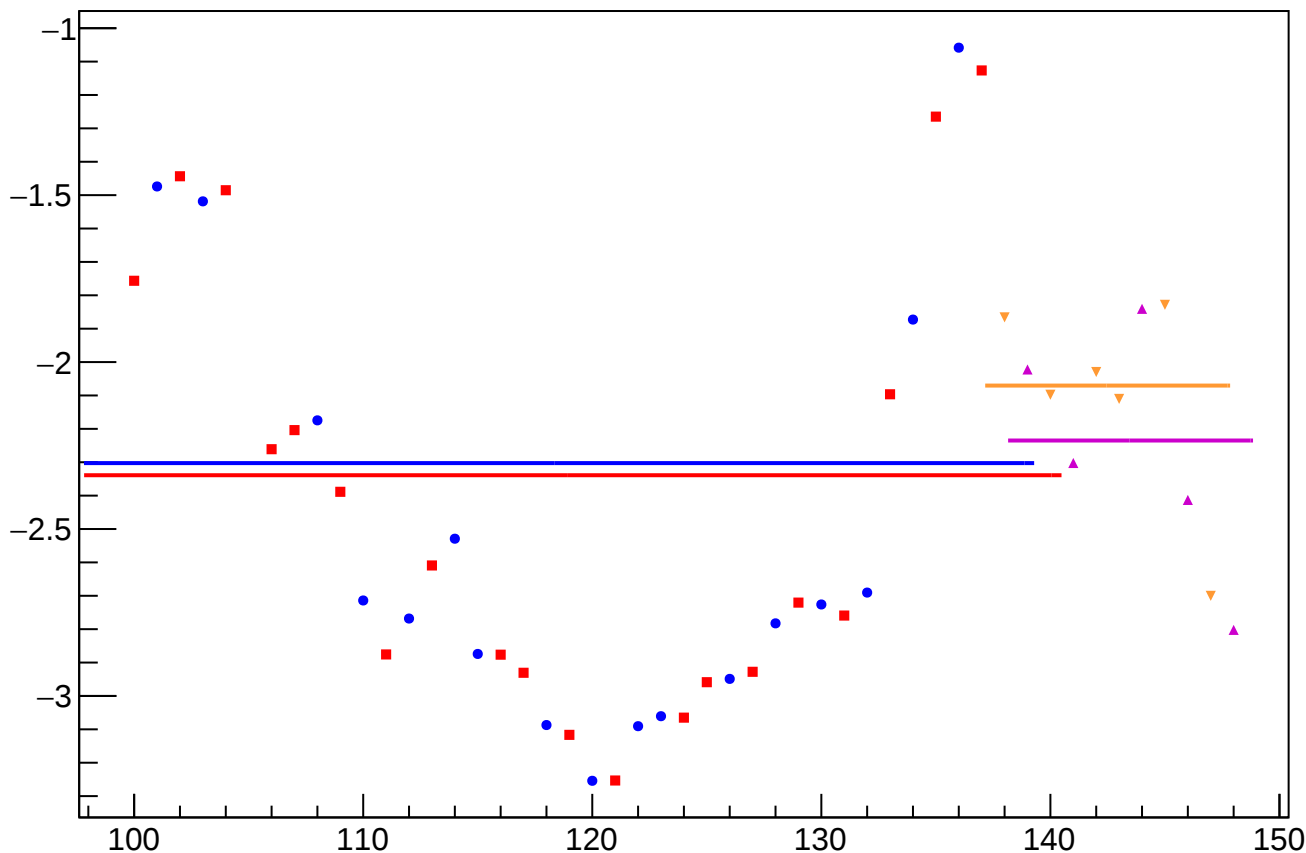
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 118235.3/4

0.008 $\pm$ 0.000 χ^2/NDF : 822654.4/22

0.008 $\pm$ 0.000 χ^2/NDF : 1895761.4/47

0.008 $\pm$ 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 : 3582075778.1/5

Right Out: -2.339+/-0.000 χ^2/NDF : 64804828308.5/19

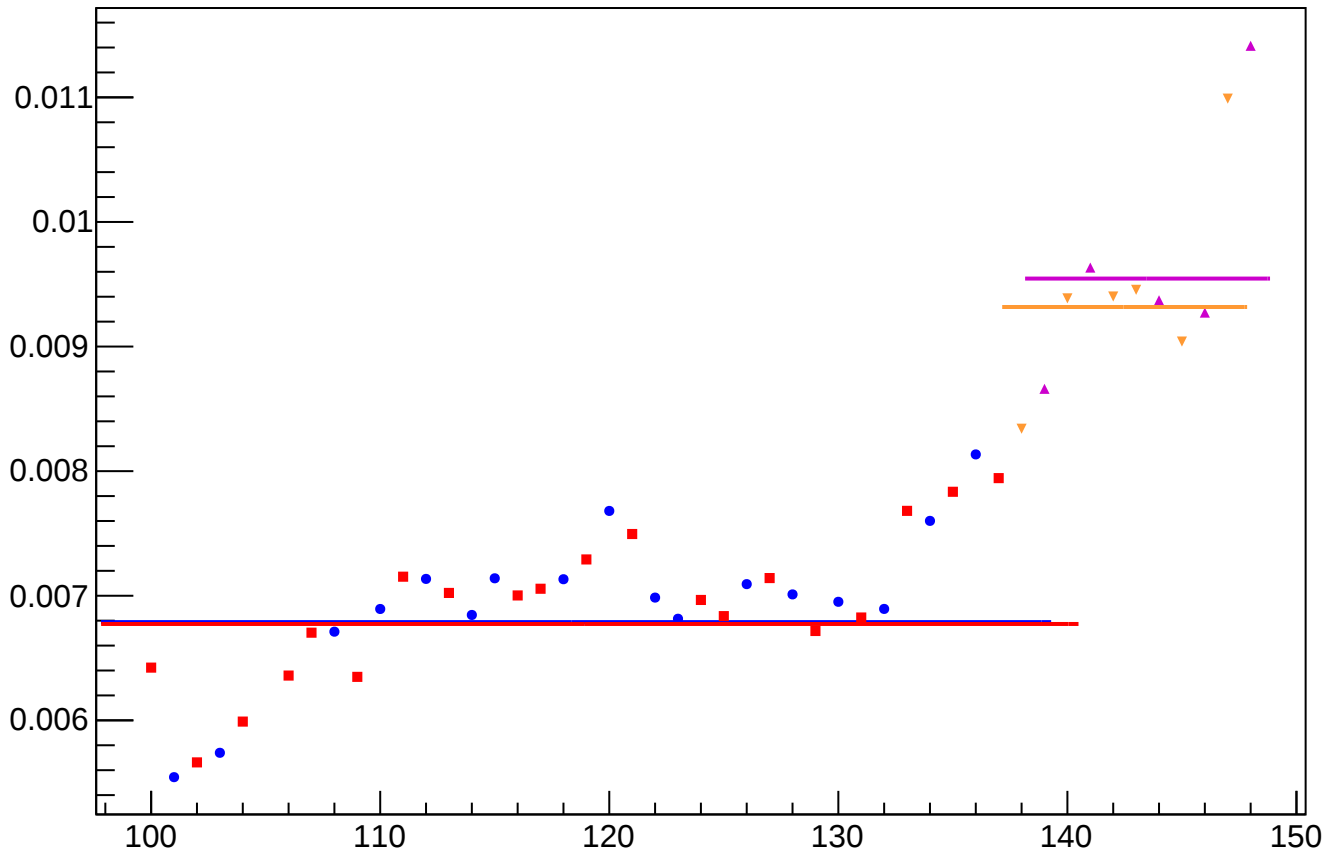
Left In: -2.235+/-0.000 χ^2/NDF : 4246129233.7/4

-2.245+/-0.000 χ^2/NDF : 79269681572.0/22

-2.281+/-0.000 χ^2/NDF : 149182730149.8

-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: 0.009+/-0.000 χ^2/NDF : 58154.5/5

Right Out: 0.007+/-0.000 χ^2/NDF : 123383.6/19

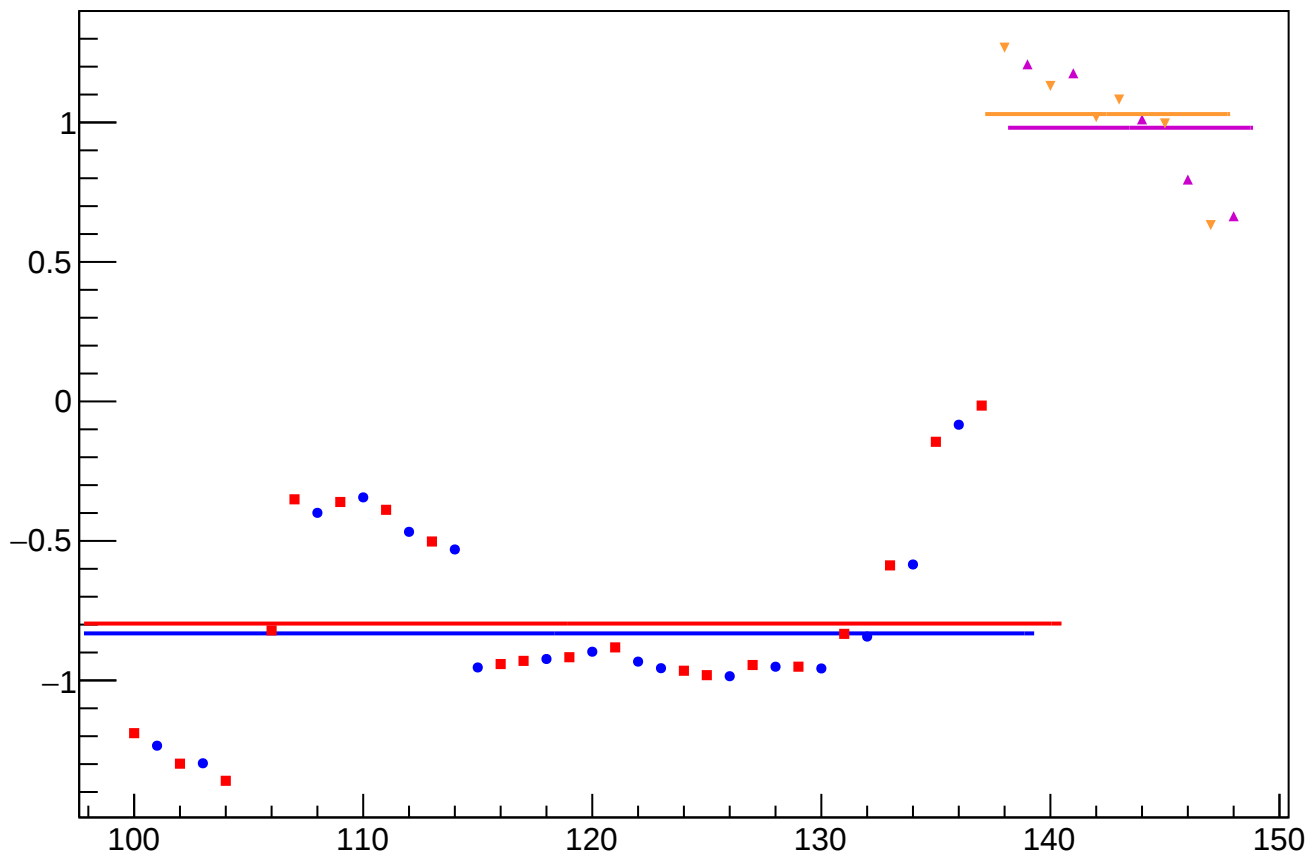
Left In: 0.010+/-0.000 χ^2/NDF : 59257.1/4

0.007+/-0.000 χ^2/NDF : 681678.2/22

0.007+/-0.000 χ^2/NDF : 1386125.4/47

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: 1.030+/-0.000 χ^2/NDF : 989021960.7/5

Right Out: -0.796+/-0.000 χ^2/NDF : 7827622544.3/19

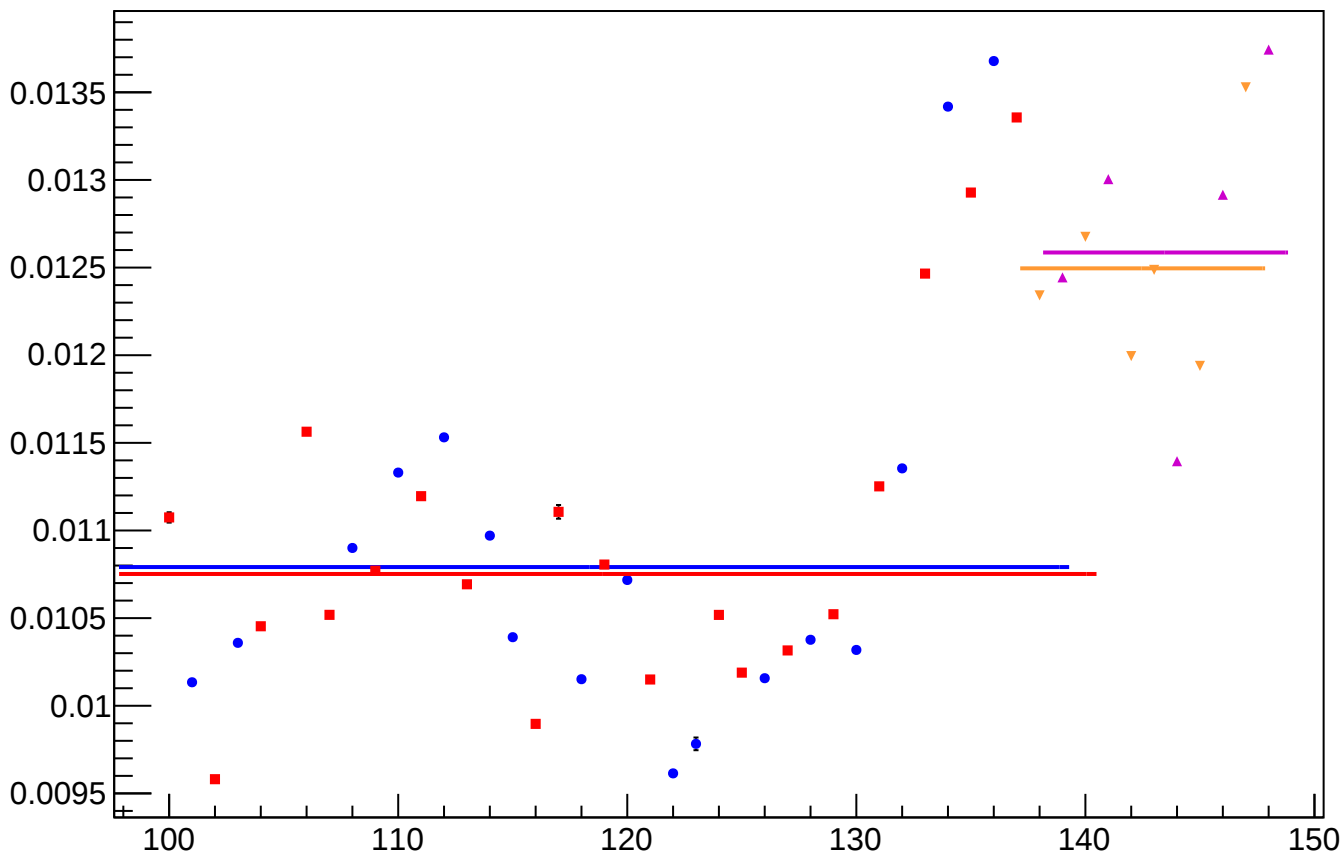
Left In: 0.981+/-0.000 χ^2/NDF : 995704437.1/4

-0.242+/-0.000 χ^2/NDF : 69620099775.0/22

-0.261+/-0.000 χ^2/NDF : 133544327180.3

-0.280+/-0.000 χ^2/NDF : 63862966865.3/24

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 125802.4/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:14027.1/5

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 90303.3/19

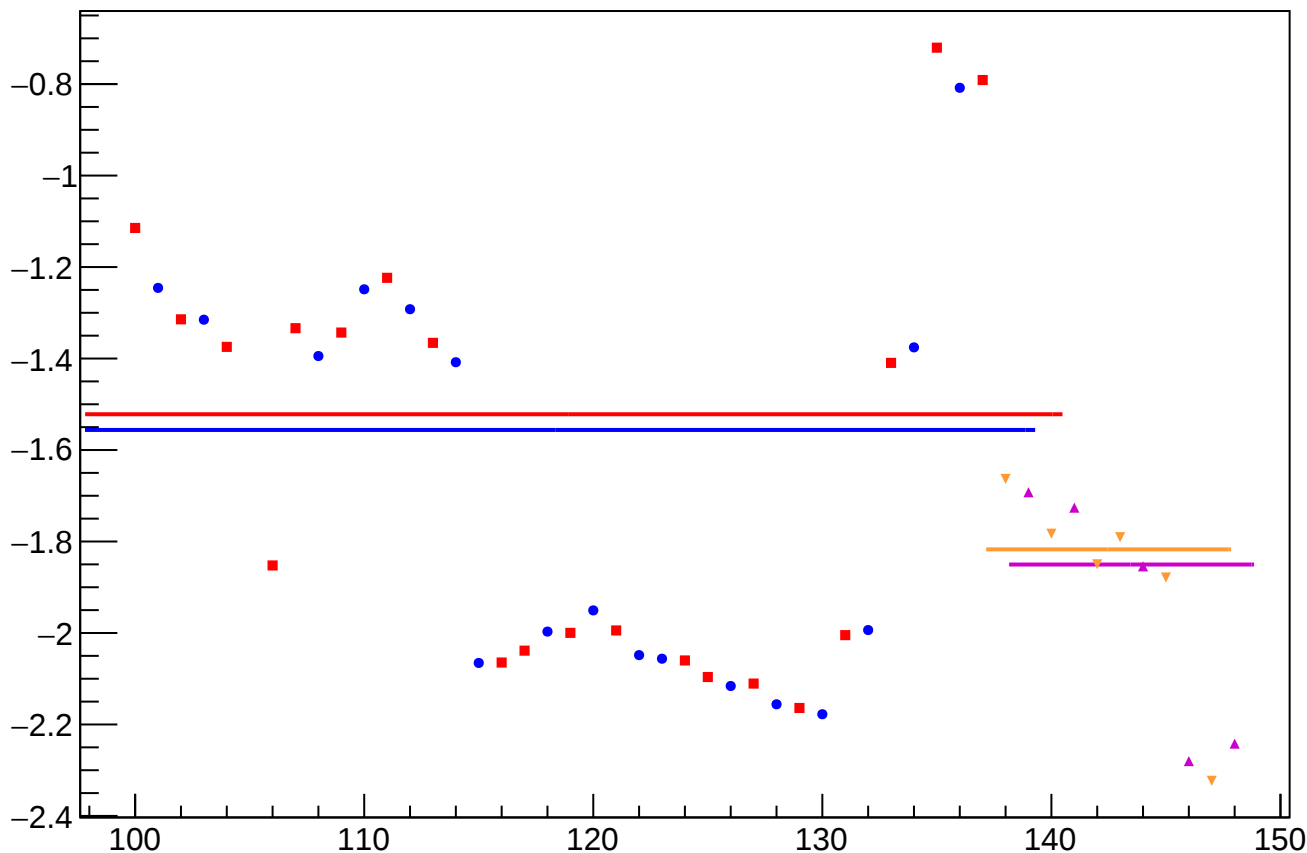
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:32524.1/4

0.011 $\pm$ 0.000 χ^2 /NDF: 243655.0/22

0.011 $\pm$ 0.000 χ^2 /NDF: 483907.7/47

0.011 $\pm$ 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: -1.817+/-0.000 χ^2/NDF : 10847254864.7/5

Right Out: -1.522+/-0.000 χ^2/NDF : 139385229659.4/19

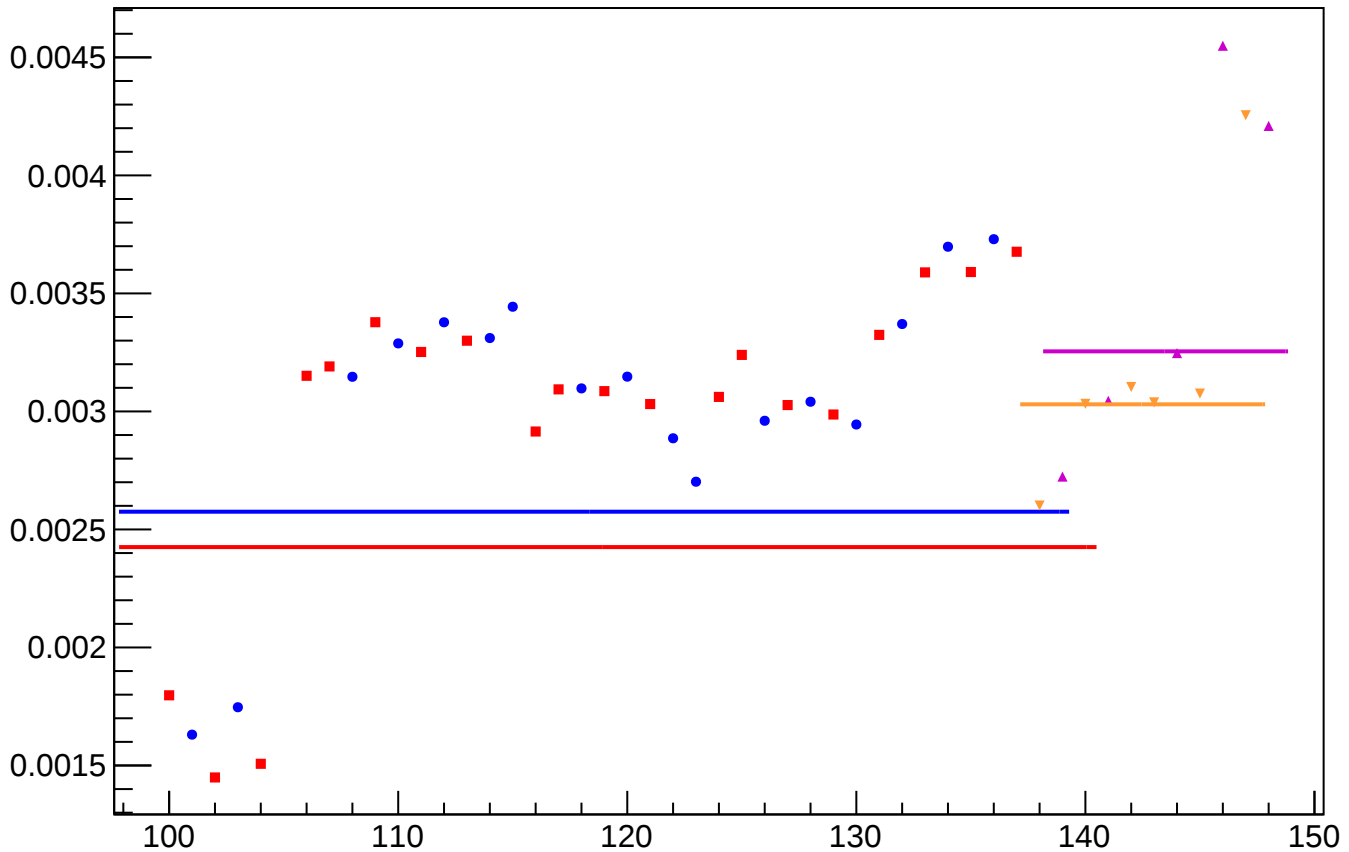
Left In: -1.850+/-0.000 χ^2/NDF : 13442530702.5/4

-1.638+/-0.000 χ^2/NDF : 184059546443.2/22

-1.619+/-0.000 χ^2/NDF : 362910333983.7

-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 :132204.9/5

Right Out: 0.002 $\pm$ 0.000 χ^2/NDF : 1493210.7/19

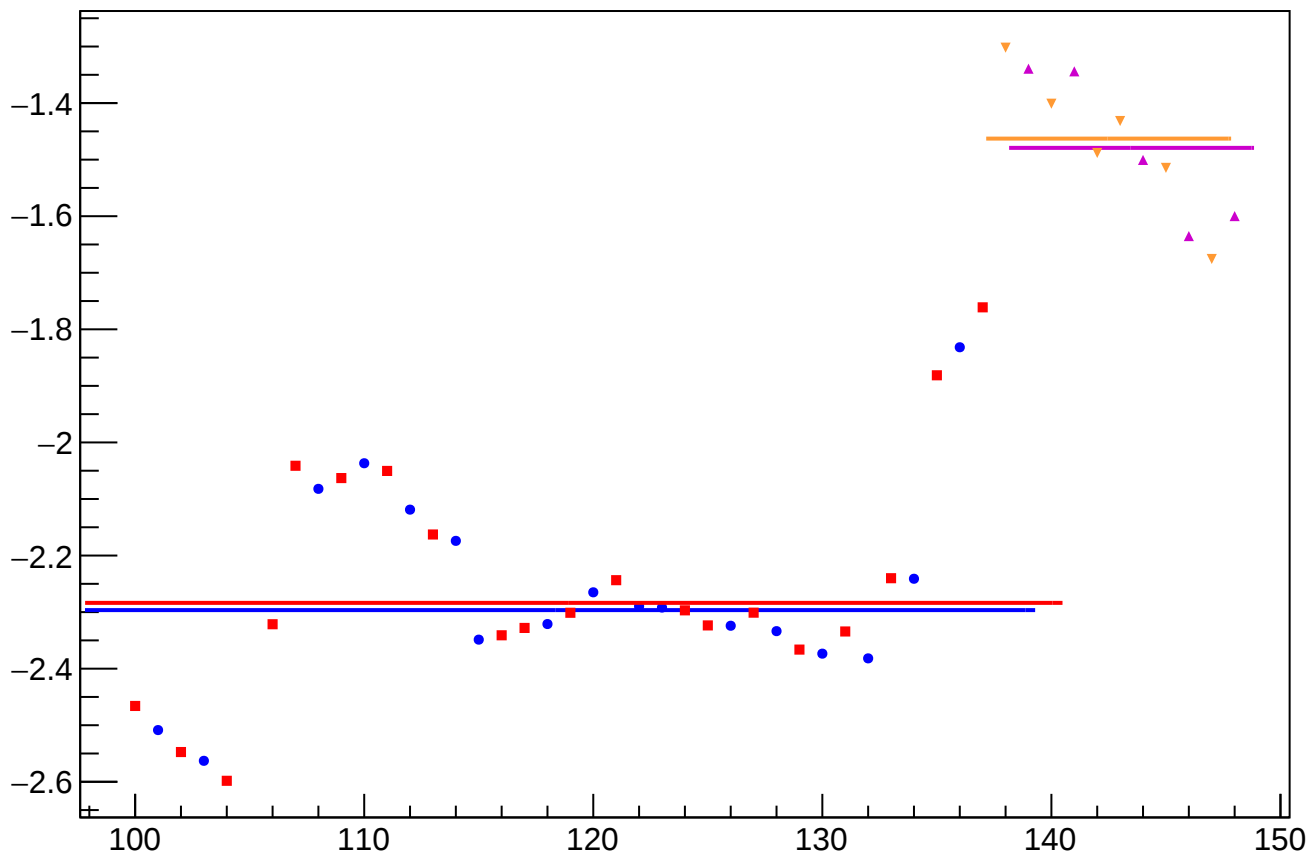
Left In: 0.003 $\pm$ 0.000 χ^2/NDF :202868.1/4

0.003 $\pm$ 0.000 χ^2/NDF : 1256776.0/22

0.003 $\pm$ 0.000 χ^2/NDF : 3284271.1/47

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: -1.463+/-0.000 χ^2/NDF : 714731332.6/5

Right Out: -2.284+/-0.000 χ^2/NDF : 6550363990.6/19

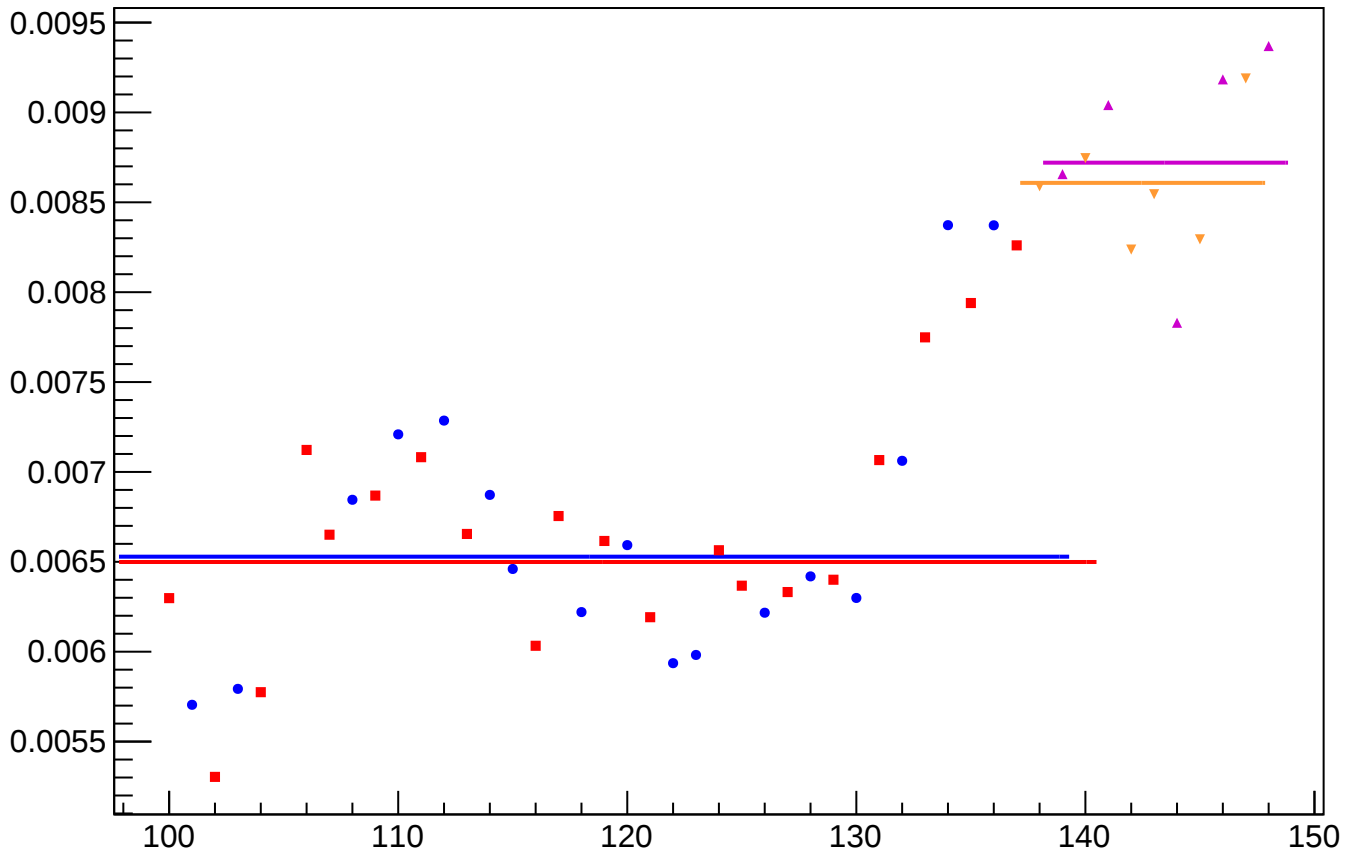
Left In: -1.479+/-0.000 χ^2/NDF : 701187735.3/4

-2.077+/-0.000 χ^2/NDF : 34225768808.7/22

-2.086+/-0.000 χ^2/NDF : 66202560111.3/4

-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 : 9917.1/5

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 164253.8/19

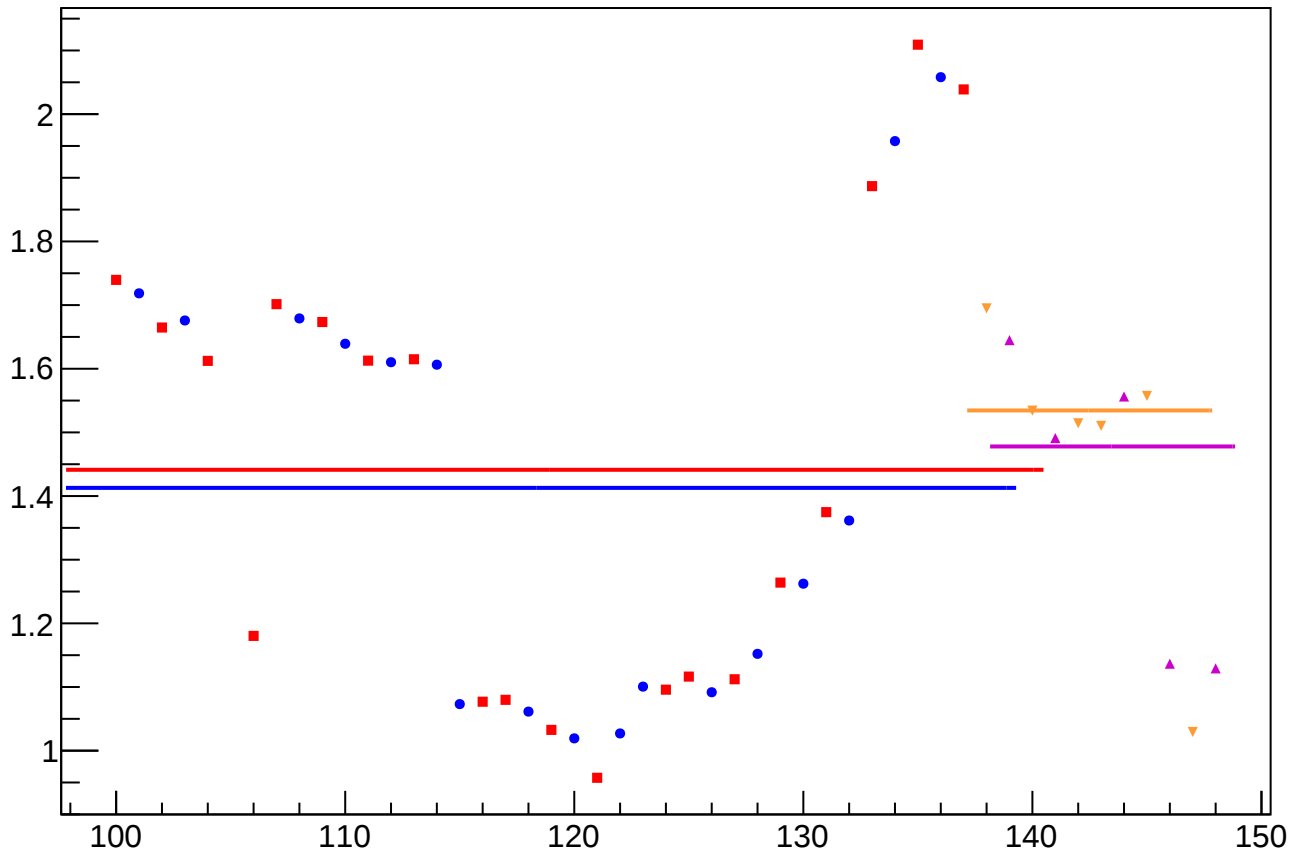
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 34725.3/4

0.007 $\pm$ 0.000 χ^2/NDF : 531432.0/22

0.007 $\pm$ 0.000 χ^2/NDF : 1107607.6/47

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: 1.534+/-0.000 χ^2/NDF : 3880069431.6/5

1.423+/-0.000 χ^2/NDF : 178383495280.5/22

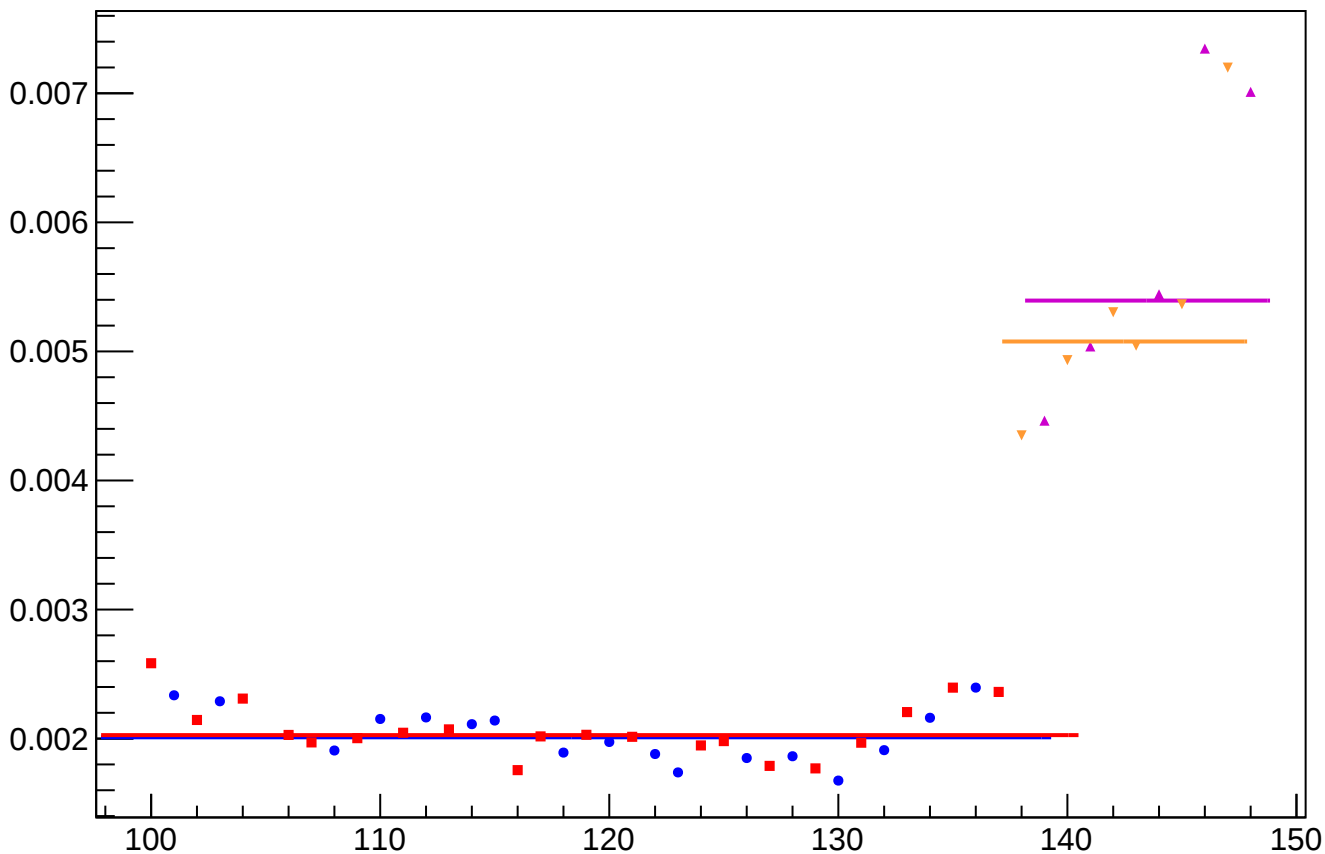
1.434+/-0.000 χ^2/NDF : 357158580844.0/19

Right Out: 1.441+/-0.000 χ^2/NDF : 174346888744.4/19

1.444+/-0.000 χ^2/NDF : 178421993013.0/24

Left In: 1.478+/-0.000 χ^2/NDF : 3928771532.2/4

yield_bpm0i01aY_rms vs Slug, 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 : 147978.1/5

Right Out: 0.002 $\pm$ 0.000 χ^2/NDF : 103927.8/19

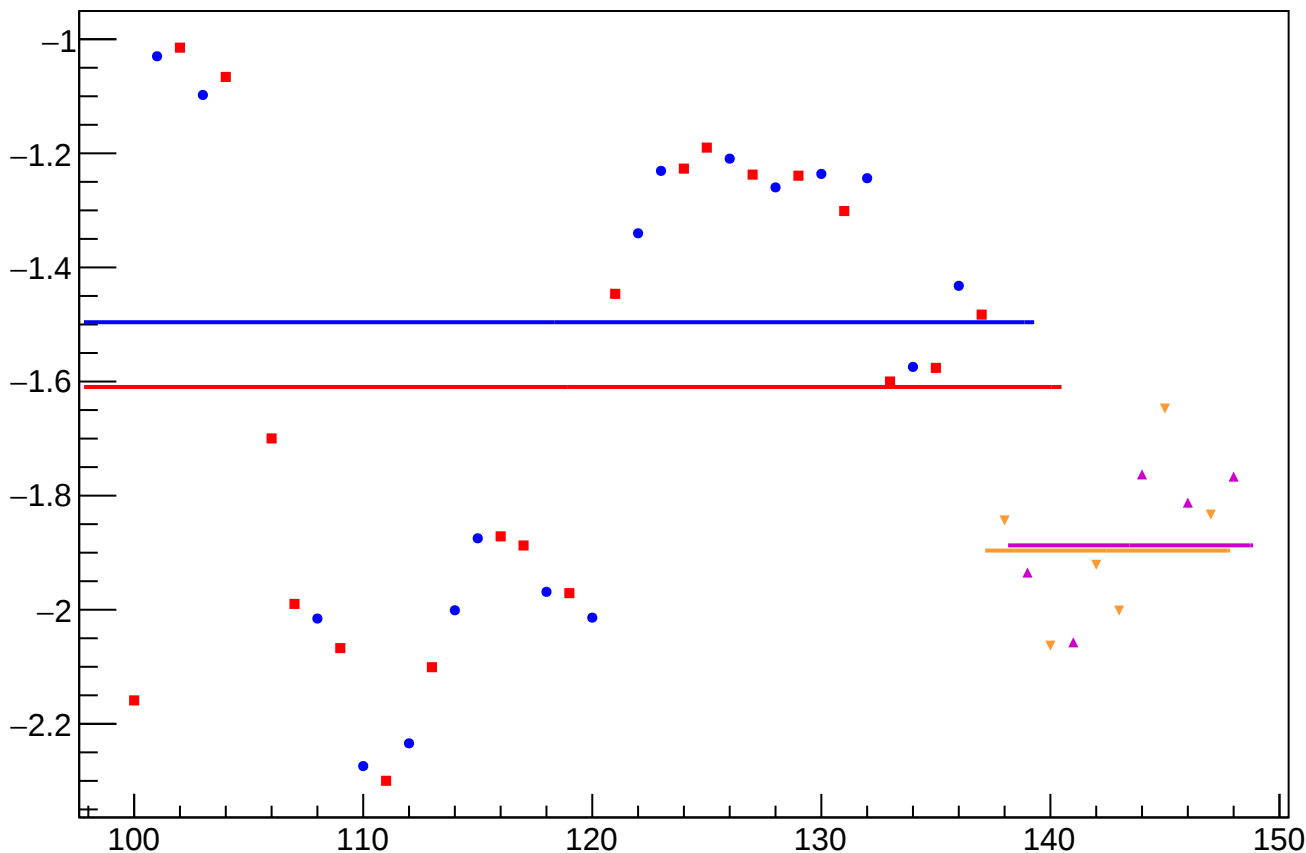
Left In: 0.005 $\pm$ 0.000 χ^2/NDF : 214025.0/4

0.002 $\pm$ 0.000 χ^2/NDF : 2771252.1/22

0.002 $\pm$ 0.000 χ^2/NDF : 5560338.6/47

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: -1.896+/-0.000 χ^2/NDF : 2392421624.2/5

-1.678+/-0.000 χ^2/NDF : 35042194137.9/22

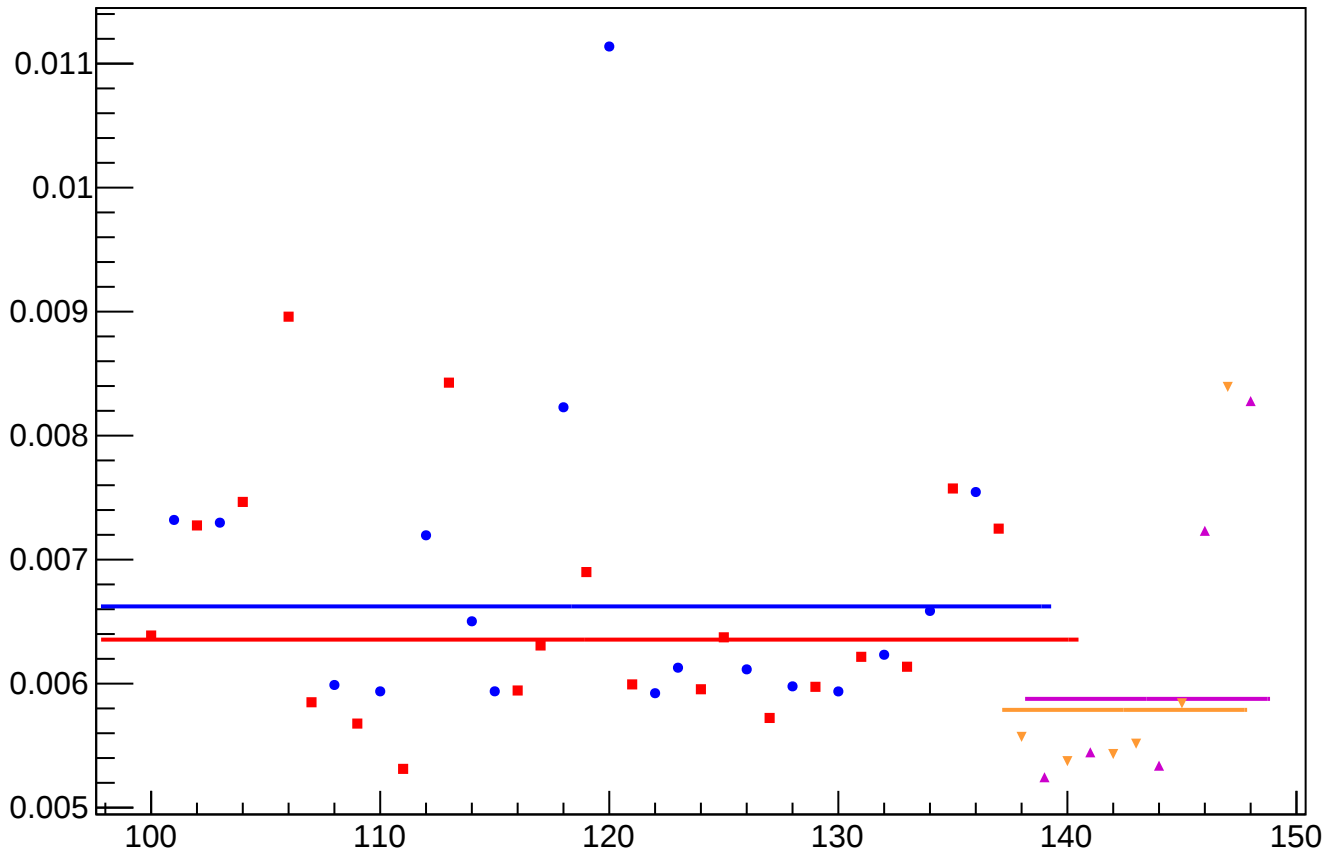
Right Out: -1.610+/-0.000 χ^2/NDF : 27919840690.9/19

-1.698+/-0.000 χ^2/NDF : 69619562445.9/4

-1.718+/-0.000 χ^2/NDF : 34375388188.2/24

Left In: -1.887+/-0.000 χ^2/NDF : 1531229441.6/4

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 232630.4/16

Left Out: 0.006+/-0.000 χ^2/NDF :152491.6/5

Right Out: 0.006+/-0.000 χ^2/NDF : 227865.9/19

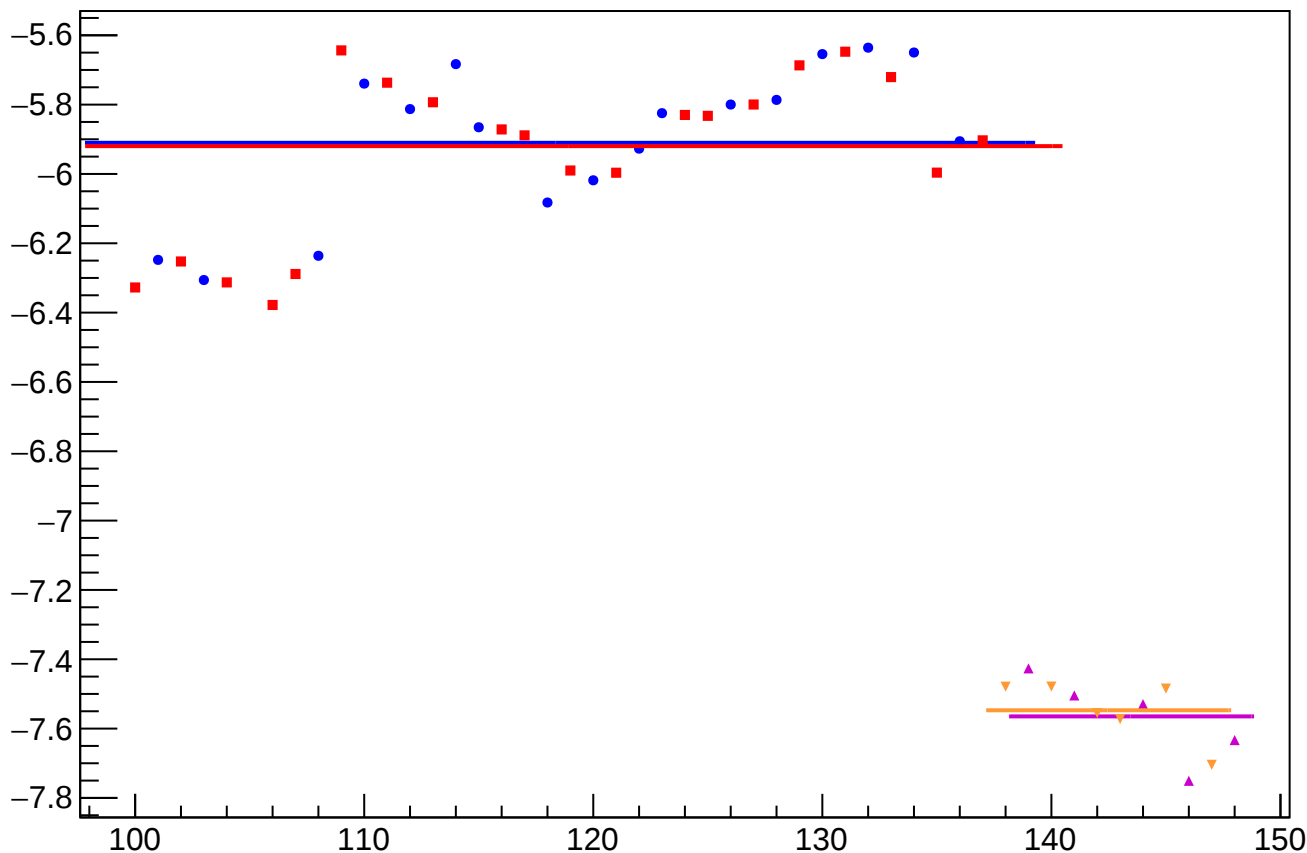
Left In: 0.006+/-0.000 χ^2/NDF :215137.4/4

0.006+/-0.000 χ^2/NDF : 473127.9/22

0.006+/-0.000 χ^2/NDF : 946736.2/47

0.006+/-0.000 χ^2/NDF : 472180.6/24

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.910+/-0.000 χ^2/NDF : 11154434512.7/16

Left Out: -7.547+/-0.000 χ^2/NDF : 351746748.3/5

Right Out: -5.920+/-0.000 χ^2/NDF : 12786449843.6/19

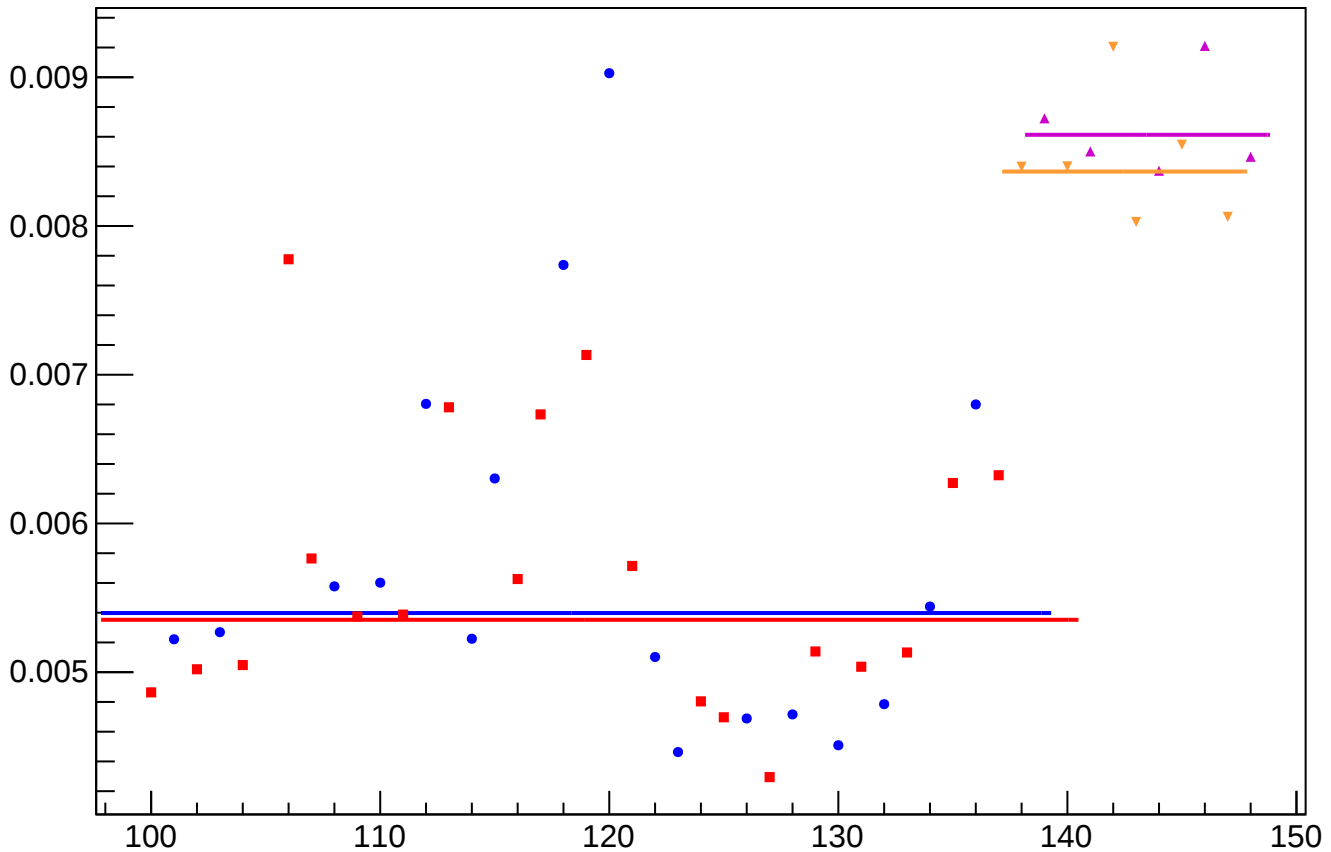
Left In: -7.565+/-0.000 χ^2/NDF : 488115074.1/4

-6.226+/-0.000 χ^2/NDF : 116385203335.3/22

-6.211+/-0.000 χ^2/NDF : 231643642186.0

-6.197+/-0.000 χ^2/NDF : 115146379970.3/24

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005 $\pm$ 0.000 χ^2/NDF : 371347.4/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 10535.5/5

Right Out: 0.005 $\pm$ 0.000 χ^2/NDF : 252664.1/19

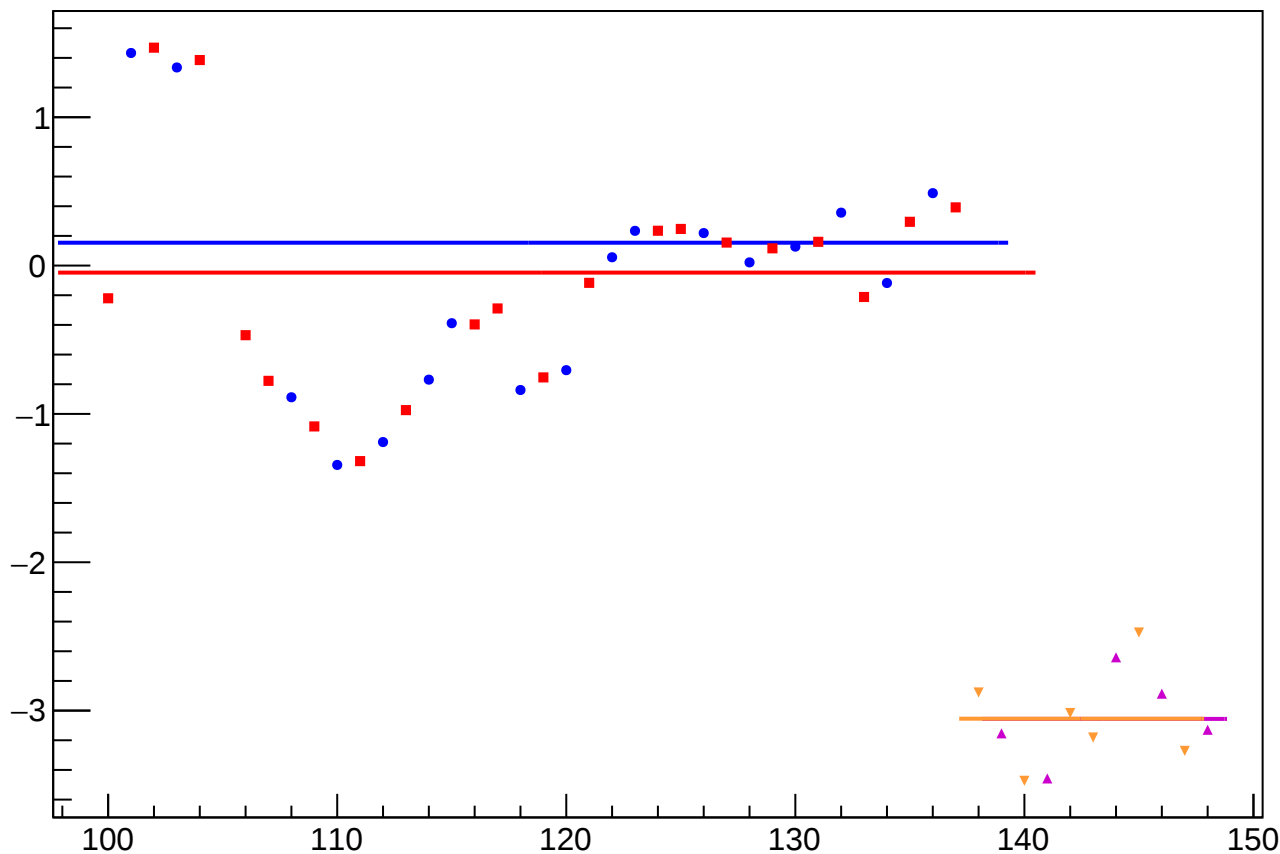
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 7332.1/4

0.006 $\pm$ 0.000 χ^2/NDF : 1071582.3/22

0.006 $\pm$ 0.000 χ^2/NDF : 2133368.0/47

0.006 $\pm$ 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: -3.055+/-0.000 χ^2/NDF : 1461244698.3/5

Right Out: -0.047+/-0.000 χ^2/NDF : 21216074494.2/19

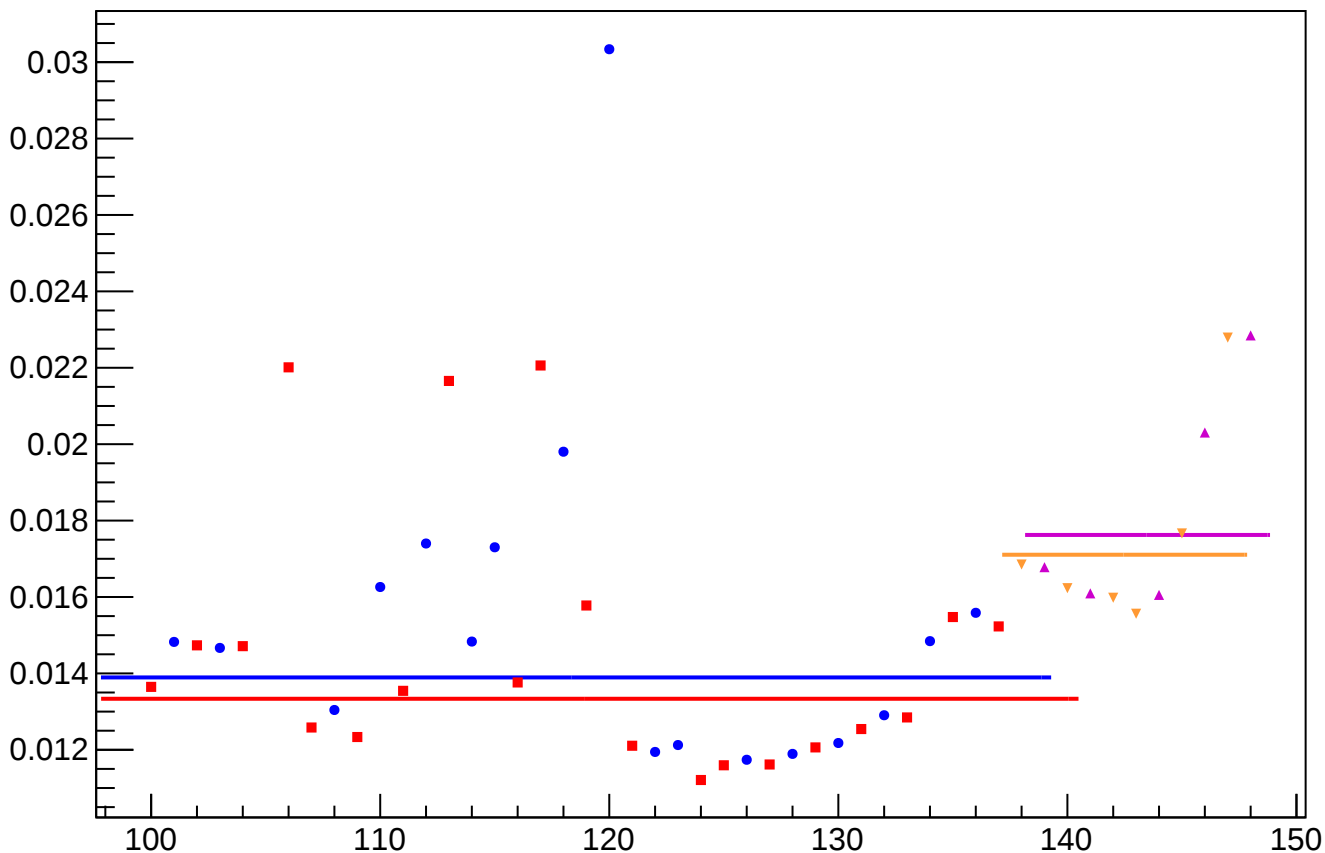
Left In: -3.056+/-0.000 χ^2/NDF : 1136018329.6/4

-0.810+/-0.000 χ^2/NDF : 113295630086.0/22

-0.794+/-0.000 χ^2/NDF : 216206613028.3

-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 :110556.9/5

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 303459.9/19

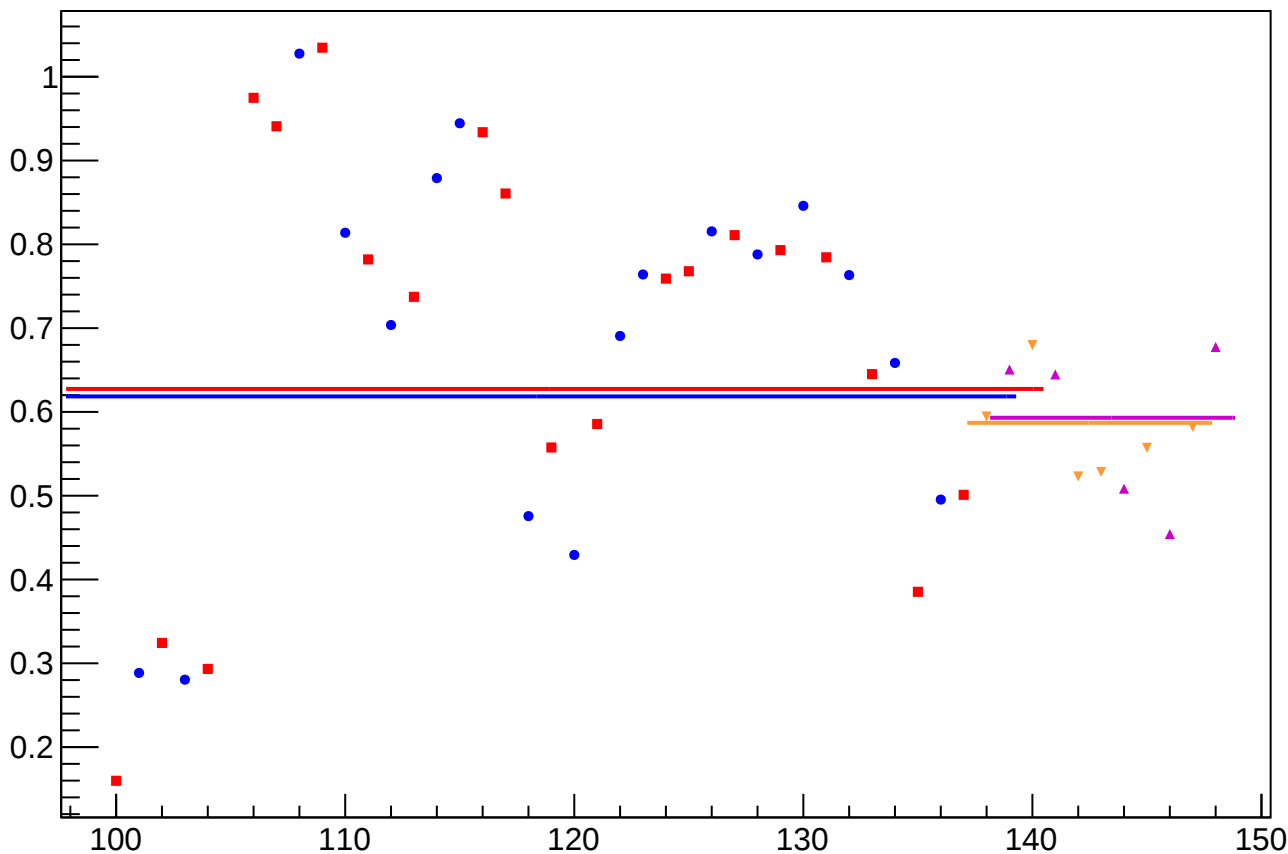
Left In: 0.018 $\pm$ 0.000 χ^2/NDF :134011.2/4

0.015 $\pm$ 0.000 χ^2/NDF : 701188.2/22

0.015 $\pm$ 0.000 χ^2/NDF : 1476377.3/47

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: 0.587 $\pm$ 0.000 χ^2/NDF : 215157281.3/5

Right Out: 0.627 $\pm$ 0.000 χ^2/NDF : 6345684740.0/19

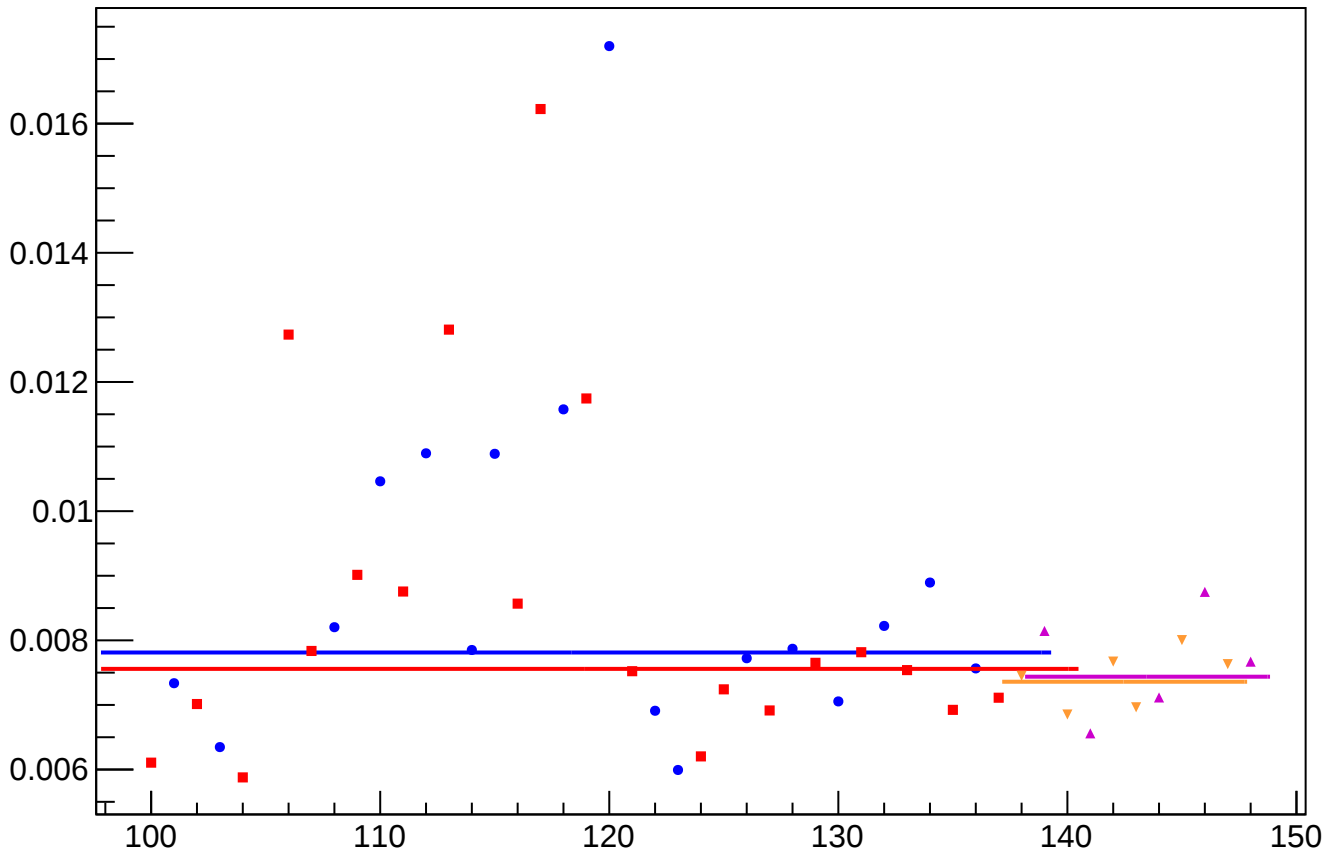
Left In: 0.593 $\pm$ 0.000 χ^2/NDF : 455604076.1/4

0.605 $\pm$ 0.000 χ^2/NDF : 5671584347.5/22

0.610 $\pm$ 0.000 χ^2/NDF : 12528401341.6/4

0.615 $\pm$ 0.000 χ^2/NDF : 6849711752.4/24

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008 ± 0.000 $\chi^2/\text{NDF}: 466827.3/16$

Left Out: 0.007 ± 0.000 $\chi^2/\text{NDF}: 23631.9/5$

Right Out: 0.008 ± 0.000 $\chi^2/\text{NDF}: 463232.7/19$

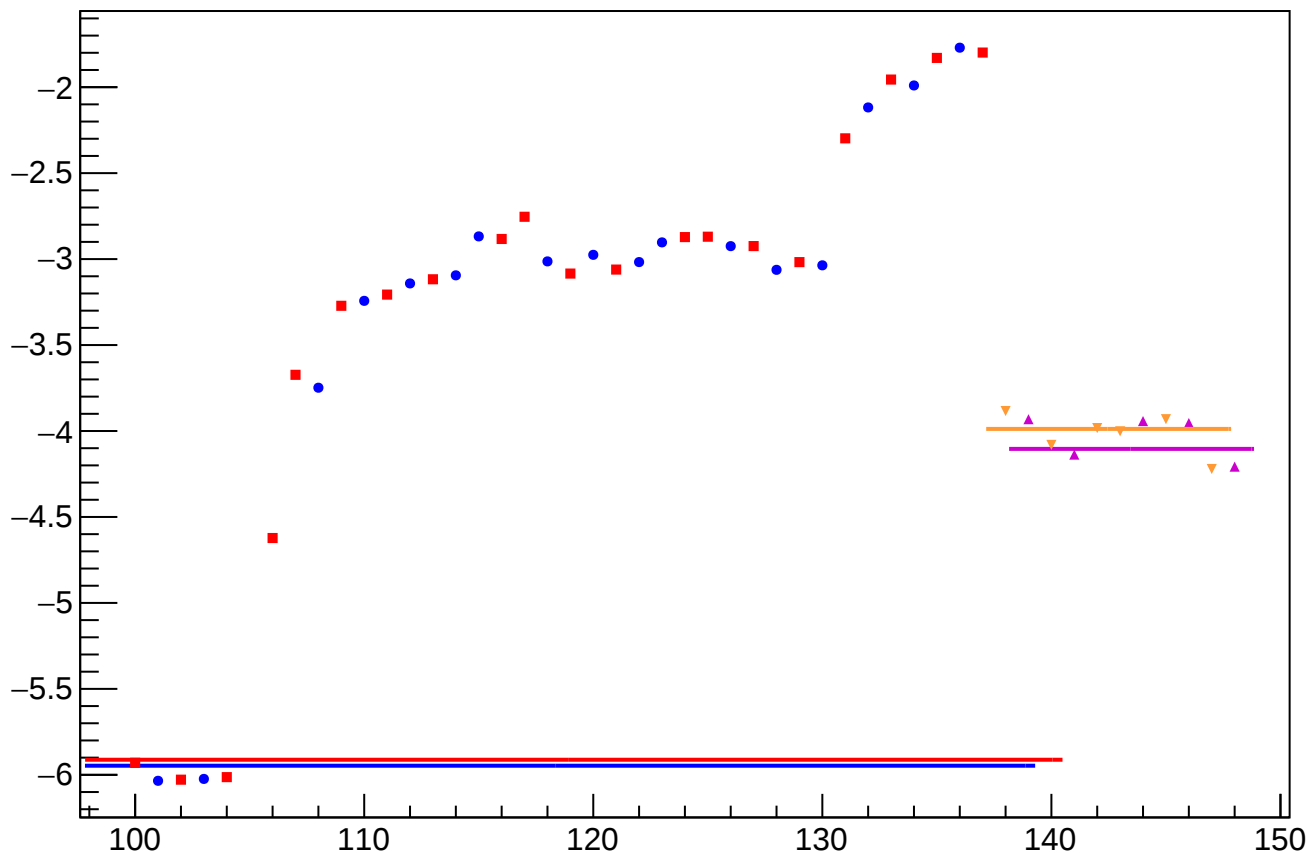
Left In: 0.007 ± 0.000 $\chi^2/\text{NDF}: 73692.9/4$

0.008 ± 0.000 $\chi^2/\text{NDF}: 506759.3/22$

0.008 ± 0.000 $\chi^2/\text{NDF}: 1046928.2/47$

0.008 ± 0.000 $\chi^2/\text{NDF}: 538123.7/24$

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -3.988+/-0.000 χ^2/NDF : 4374183.9/5

Right Out: -5.912+/-0.000 χ^2/NDF : 14648055548.9/19

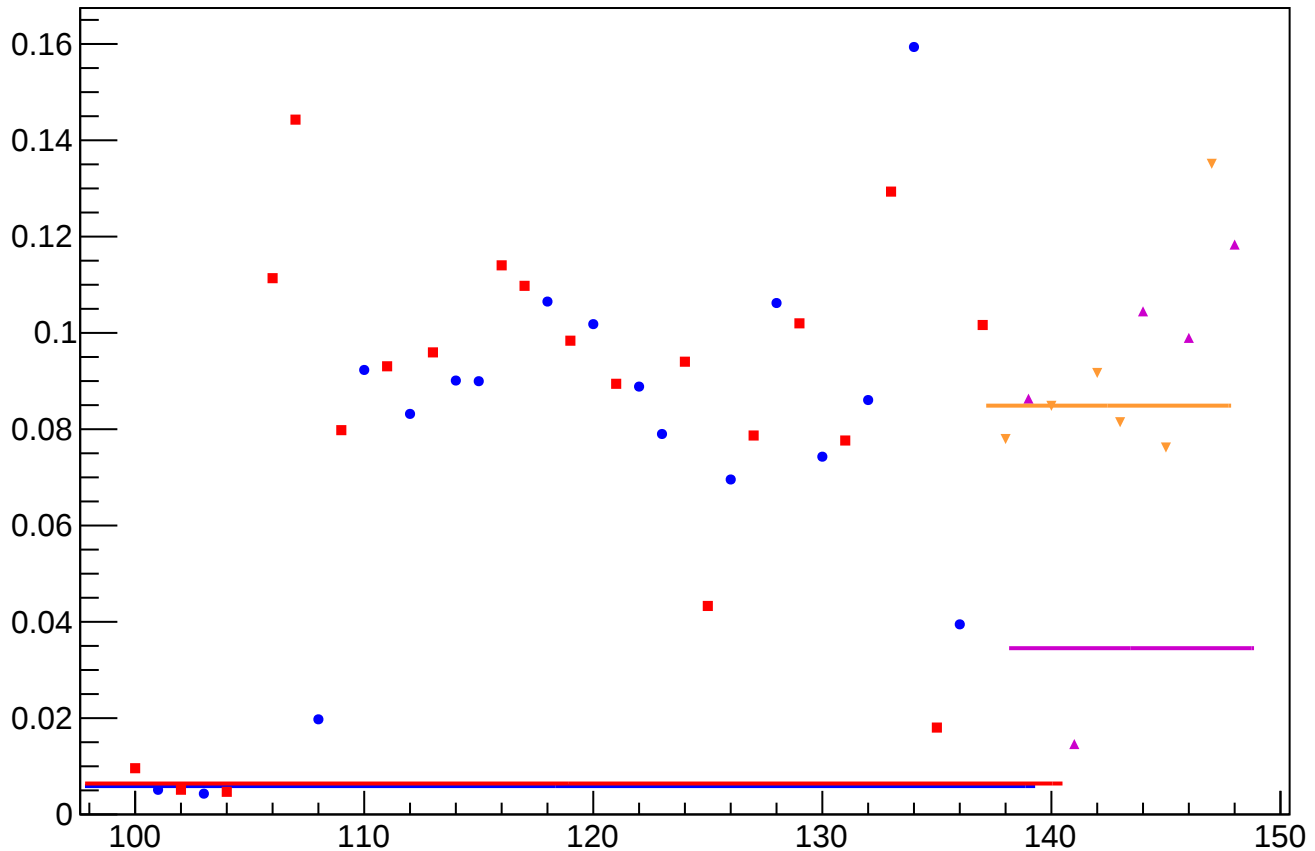
Left In: -4.104+/-0.000 χ^2/NDF : 7004447.4/4

-5.926+/-0.000 χ^2/NDF : 15091308644.3/22

-5.896+/-0.000 χ^2/NDF : 33442553228.5/24

-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: 0.085 +/- 0.000 χ^2/NDF : 219339.8/5

Right Out: 0.006 +/- 0.000 χ^2/NDF : 8558731.2/19

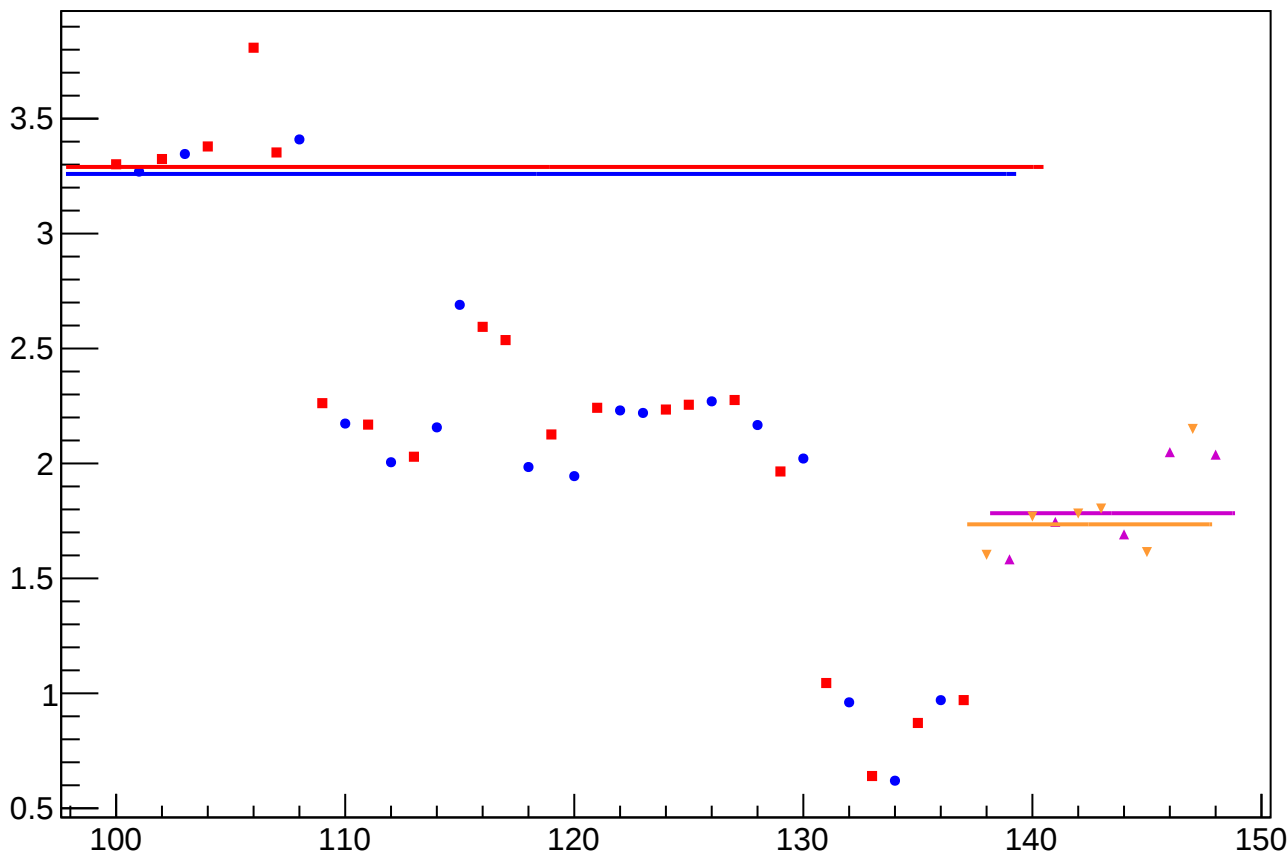
Left In: 0.035 +/- 0.000 χ^2/NDF : 3062822.1/4

0.007 +/- 0.000 χ^2/NDF : 14402010.2/22

0.007 +/- 0.000 χ^2/NDF : 27774954.7/47

0.007 +/- 0.000 χ^2/NDF : 13361734.0/24

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.259 $\pm$ 0.000 χ^2 /NDF: 2921931976.8/16

Left Out: 1.735 $\pm$ 0.000 χ^2 /NDF: 9885265.5/5

Right Out: 3.290 $\pm$ 0.000 χ^2 /NDF: 3263300926.6/19

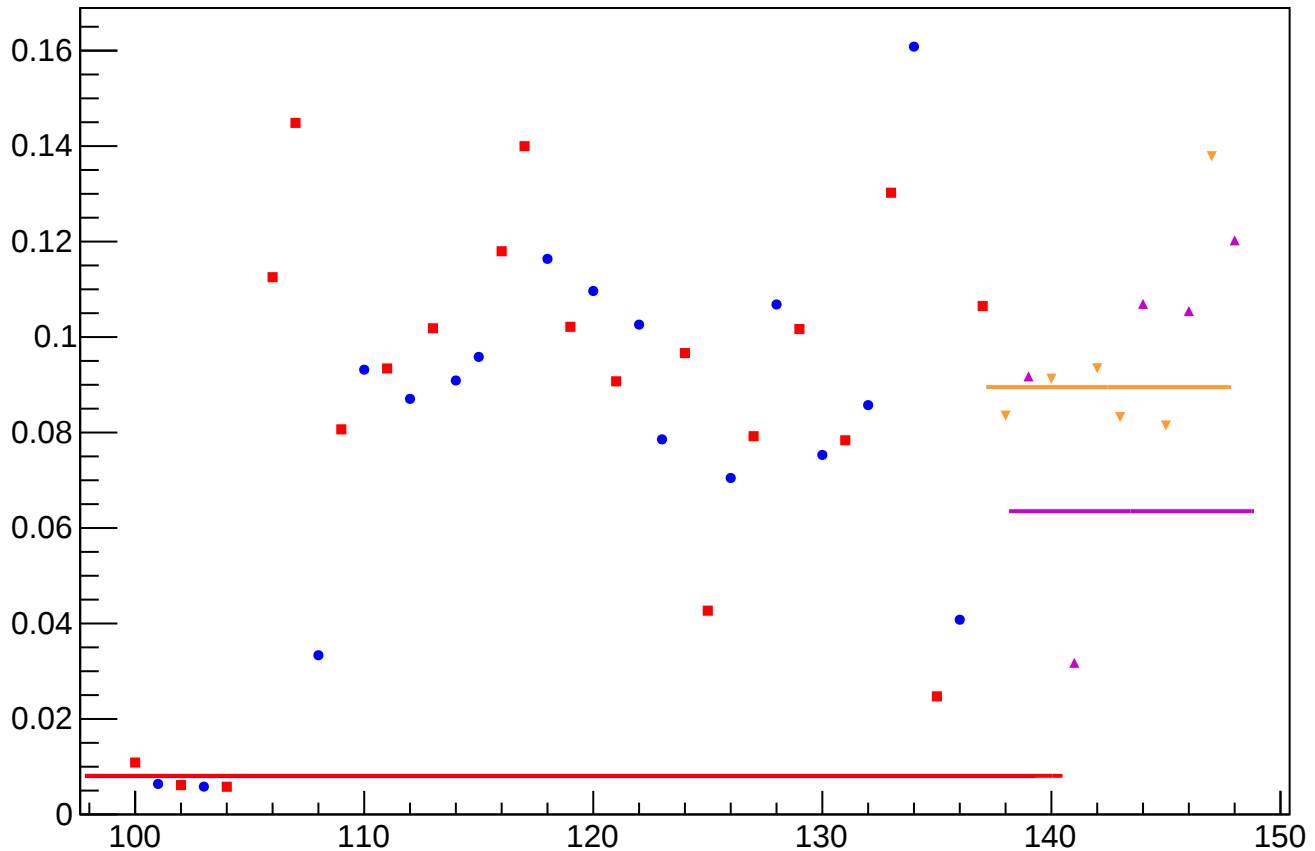
Left In: 1.784 $\pm$ 0.000 χ^2 /NDF: 11214102.3/4

3.236 $\pm$ 0.000 χ^2 /NDF: 3979278710.5/22

3.247 $\pm$ 0.000 χ^2 /NDF: 8506076428.0/47

3.259 $\pm$ 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: 0.090 $\pm$ 0.000 χ^2/NDF : 193118.0/5

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 8375005.0/19

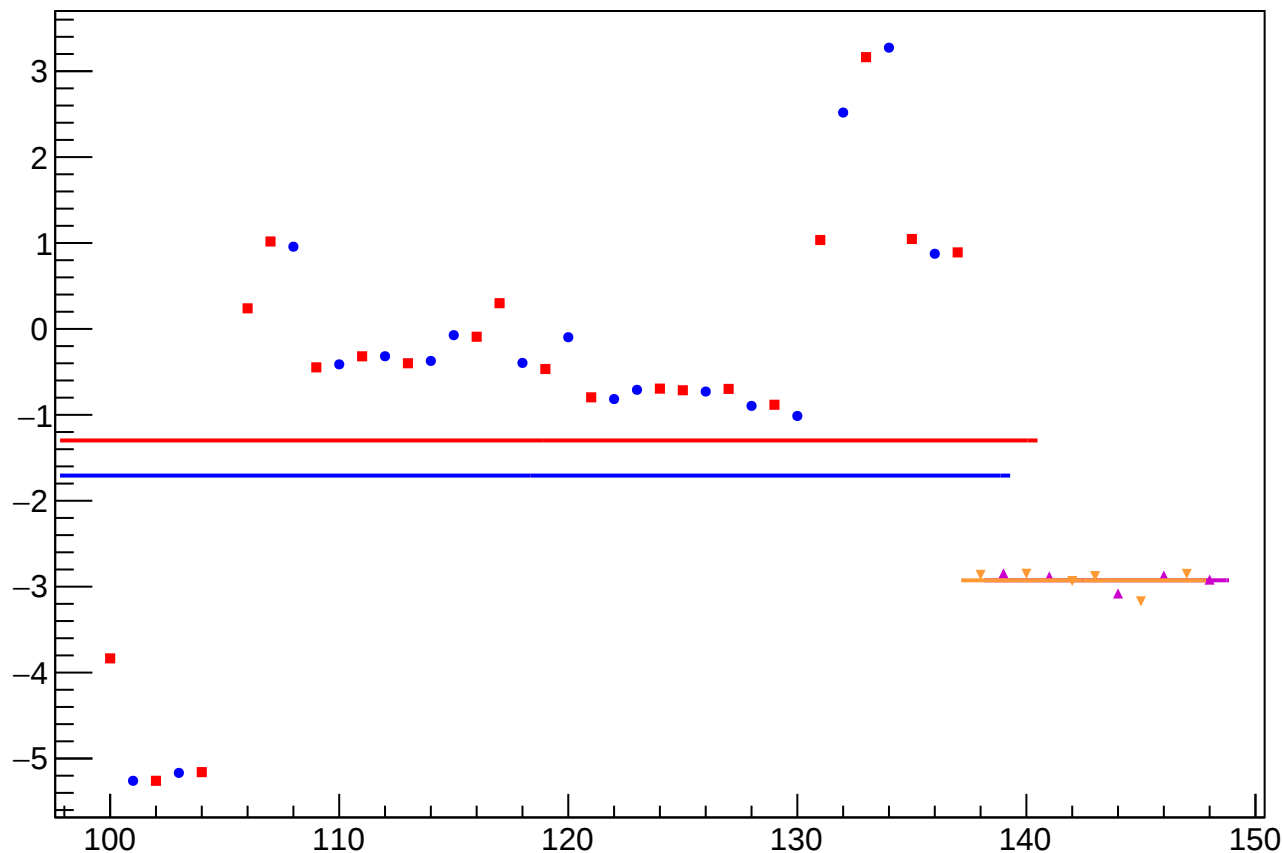
Left In: 0.064 $\pm$ 0.000 χ^2/NDF : 1535489.0/4

0.009 $\pm$ 0.000 χ^2/NDF : 13921215.8/22

0.009 $\pm$ 0.000 χ^2/NDF : 27202904.0/47

0.009 $\pm$ 0.000 χ^2/NDF : 13281531.2/24

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.707+/-0.000 χ^2 /NDF: 166125579390.4/16

Left Out: -2.926+/-0.000 χ^2 /NDF: 994071778.3/5

Right Out: -1.298+/-0.000 χ^2 /NDF: 178085926993.4/19

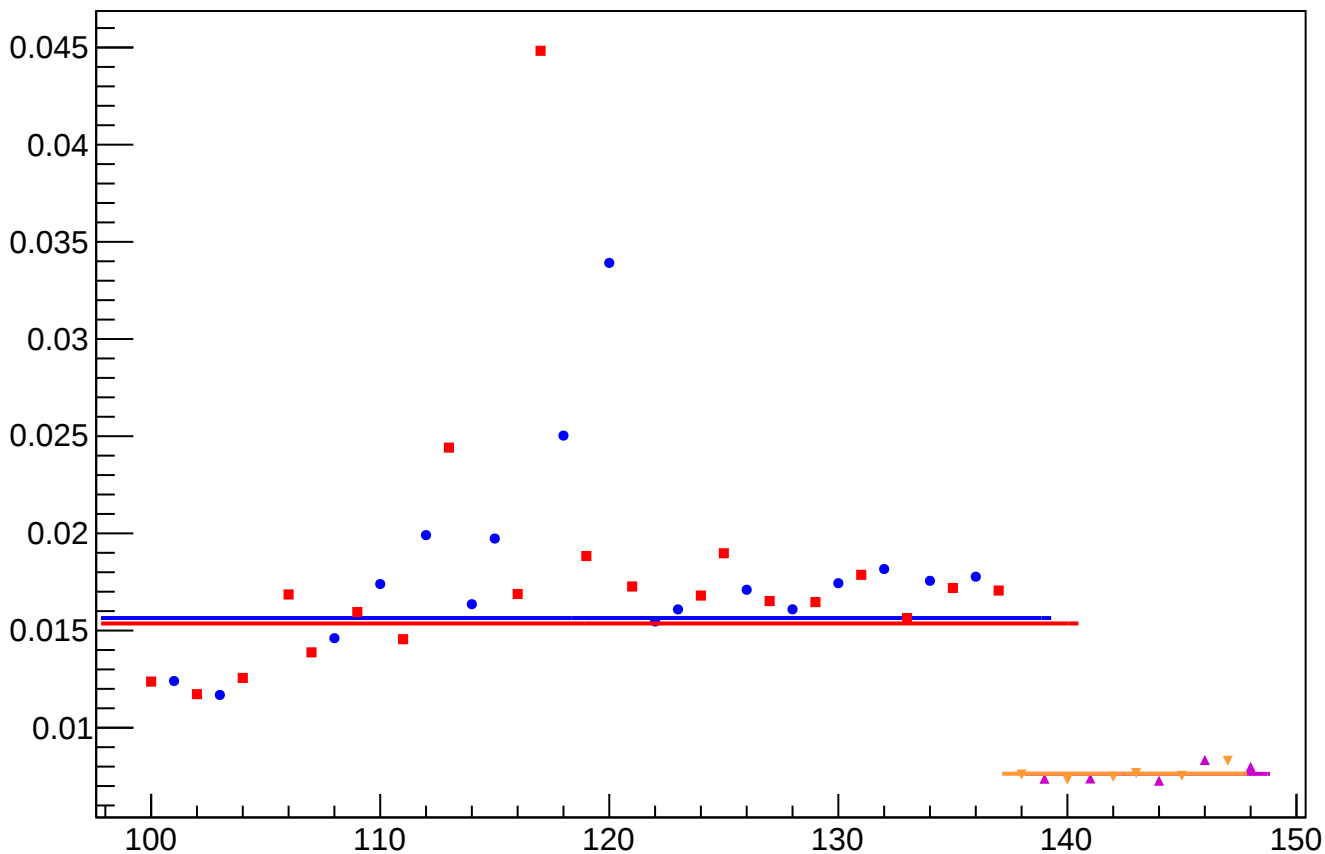
Left In: -2.926+/-0.000 χ^2 /NDF: 510740563.2/4

-2.622+/-0.000 χ^2 /NDF: 192662934783.4/22

-2.541+/-0.000 χ^2 /NDF: 422315466960.6

-2.461+/-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: 0.008+/-0.000 χ^2/NDF : 13011.1/5

Right Out: 0.015+/-0.000 χ^2/NDF : 387283.2/19

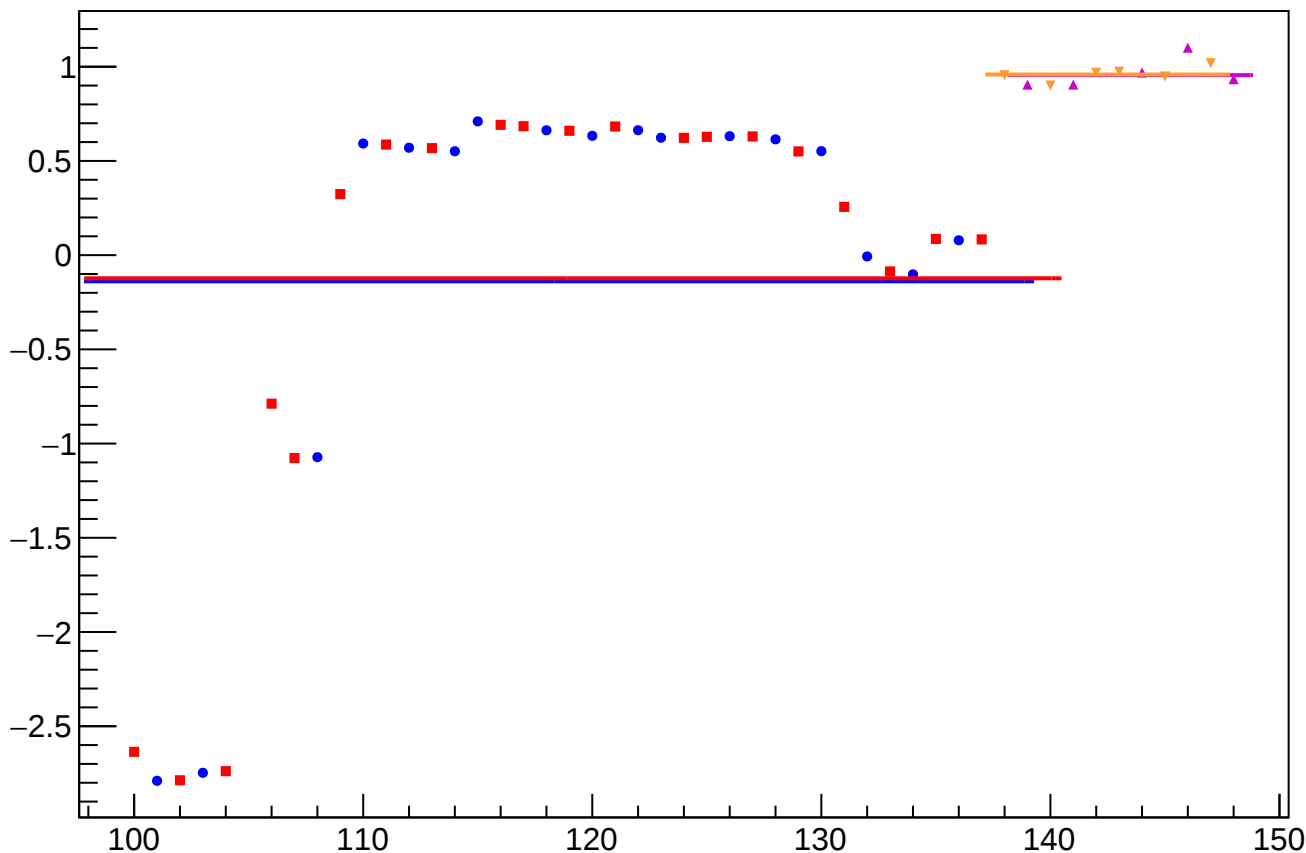
Left In: 0.008+/-0.000 χ^2/NDF : 21489.4/4

0.010+/-0.000 χ^2/NDF : 2797100.6/22

0.010+/-0.000 χ^2/NDF : 5462491.1/47

0.010+/-0.000 χ^2/NDF : 2661563.8/24

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -0.139+/-0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.959+/-0.000 χ^2/NDF : 113236205.2/5

0.006+/-0.000 χ^2/NDF : 796356843250.6/22

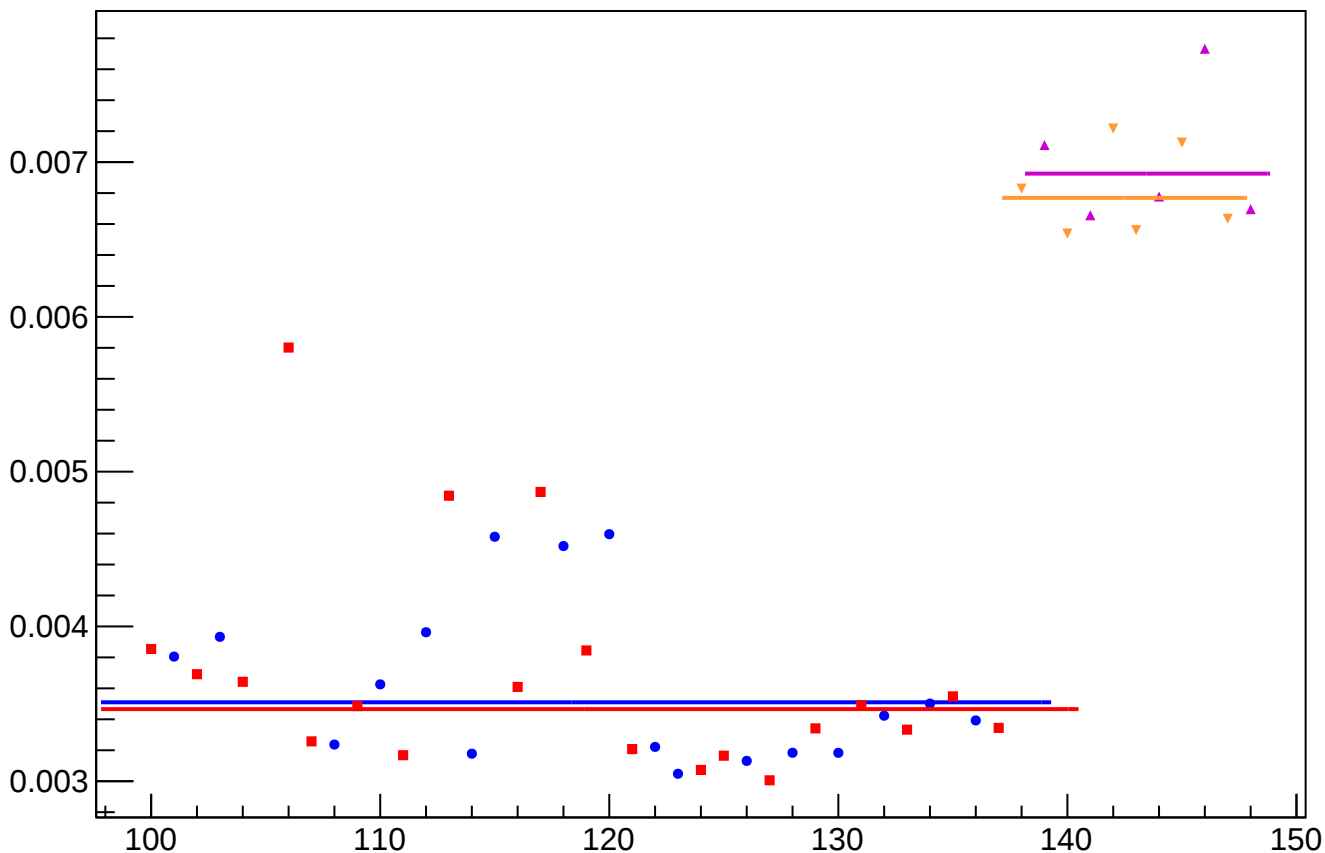
Right Out: -0.123+/-0.000 χ^2/NDF : 762580598699.5/19

0.003+/-0.000 χ^2/NDF : 1634273049562.7

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: 9759.8/5

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 222524.1/19

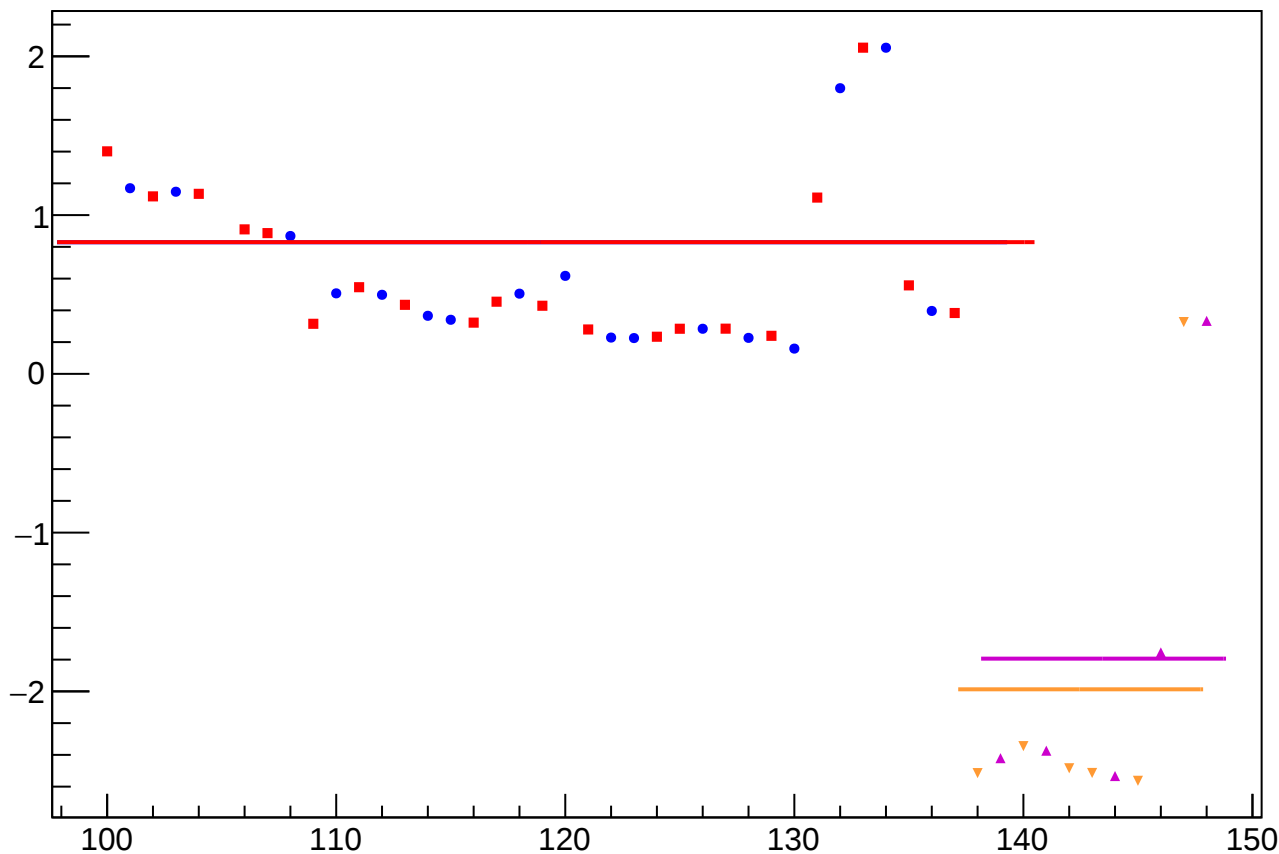
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 19774.8/4

0.004 $\pm$ 0.000 χ^2 /NDF: 1613667.7/22

0.004 $\pm$ 0.000 χ^2 /NDF: 3404488.9/47

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: -1.987+/-0.000 χ^2/NDF : 101279378234.1/5

Right Out: 0.830+/-0.000 χ^2/NDF : 33349713412.0/19

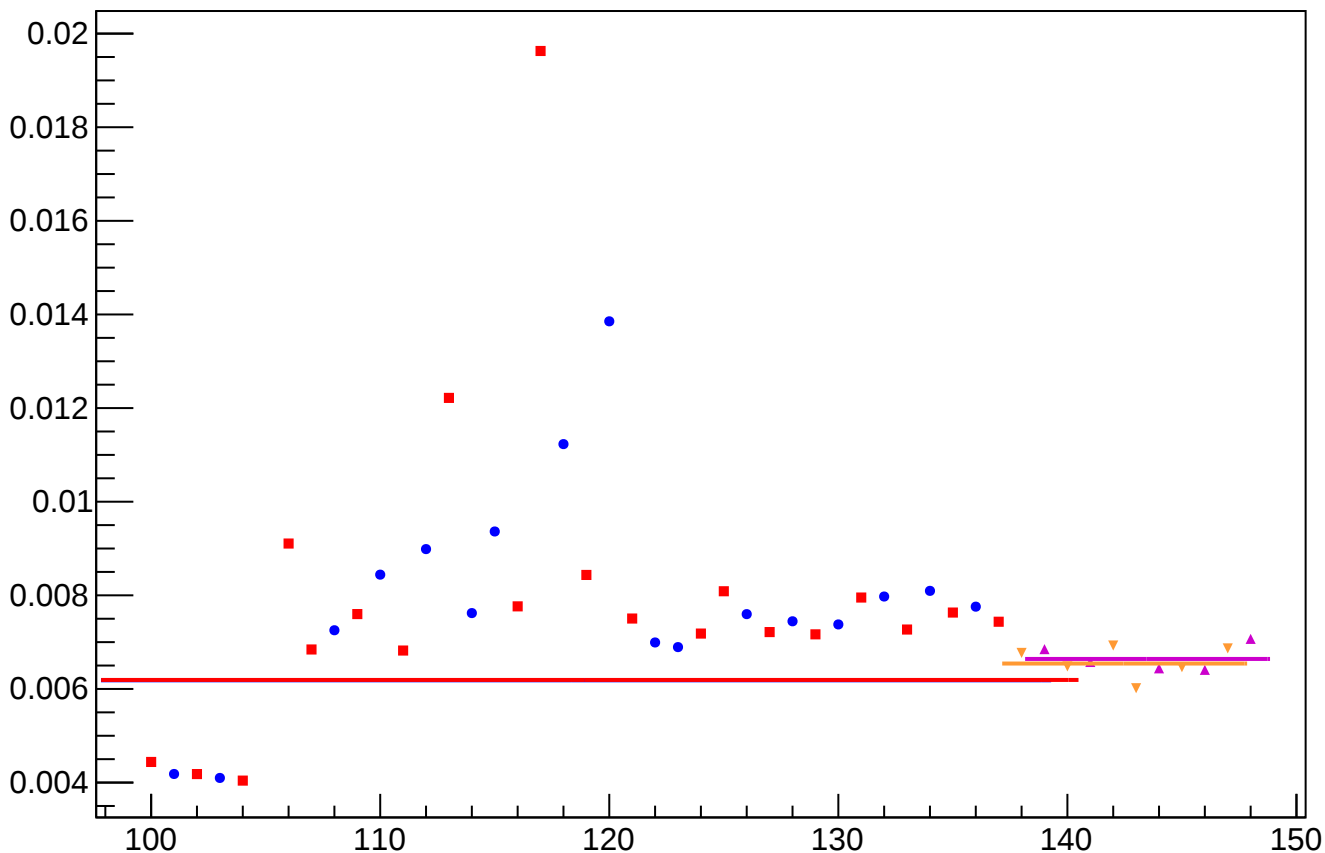
Left In: -1.794+/-0.000 χ^2/NDF : 90573668965.9/4

-0.262+/-0.000 χ^2/NDF : 560107693036.0/22

-0.181+/-0.000 χ^2/NDF : 1058663800333.0/22

-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: 0.007+/-0.000 χ^2/NDF : 16770.8/5

Right Out: 0.006+/-0.000 χ^2/NDF : 1062886.2/19

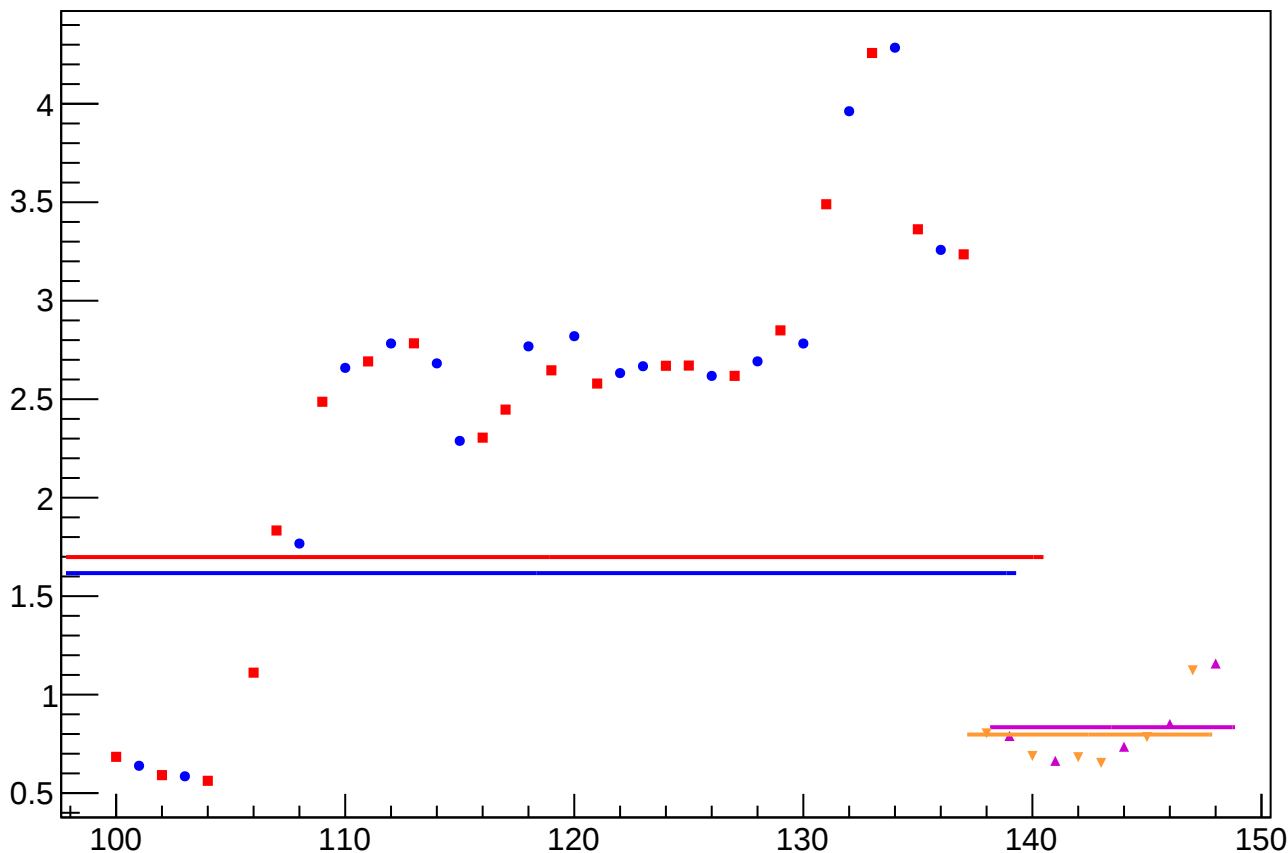
Left In: 0.007+/-0.000 χ^2/NDF : 10367.1/4

0.006+/-0.000 χ^2/NDF : 1259554.8/22

0.006+/-0.000 χ^2/NDF : 2354725.9/47

0.006+/-0.000 χ^2/NDF : 1094986.5/24

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 0.797+/-0.000 χ^2/NDF : 2374860198.6/5

1.288+/-0.000 χ^2/NDF : 243858406582.7/22

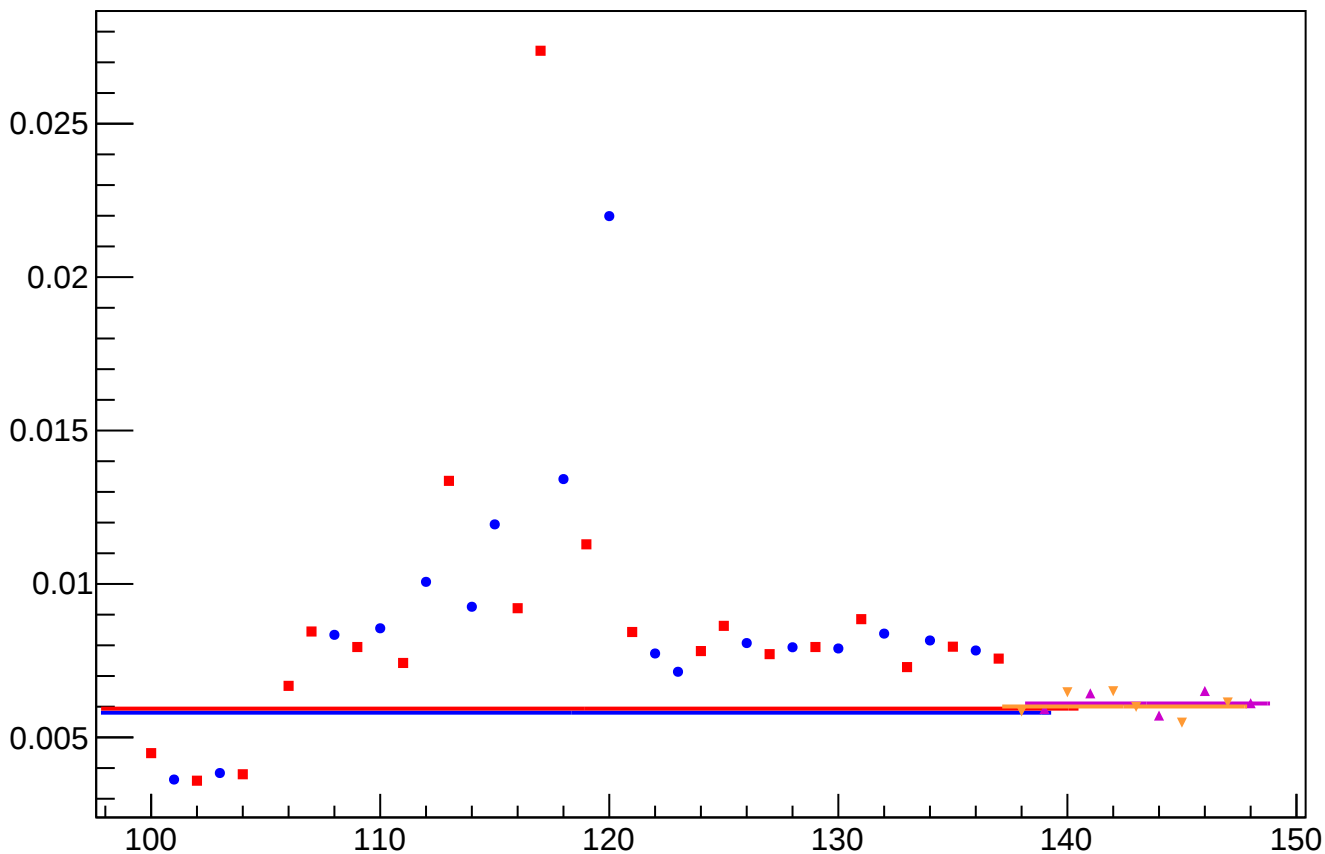
Right Out: 1.698+/-0.000 χ^2/NDF : 227436227264.4/19

1.332+/-0.000 χ^2/NDF : 517400444632.5/19

1.376+/-0.000 χ^2/NDF : 272617716296.3/24

Left In: 0.835+/-0.000 χ^2/NDF : 2718021434.1/4

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 1917989.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 24518.2/5

Right Out: 0.006+/-0.000 χ^2/NDF : 1731283.0/19

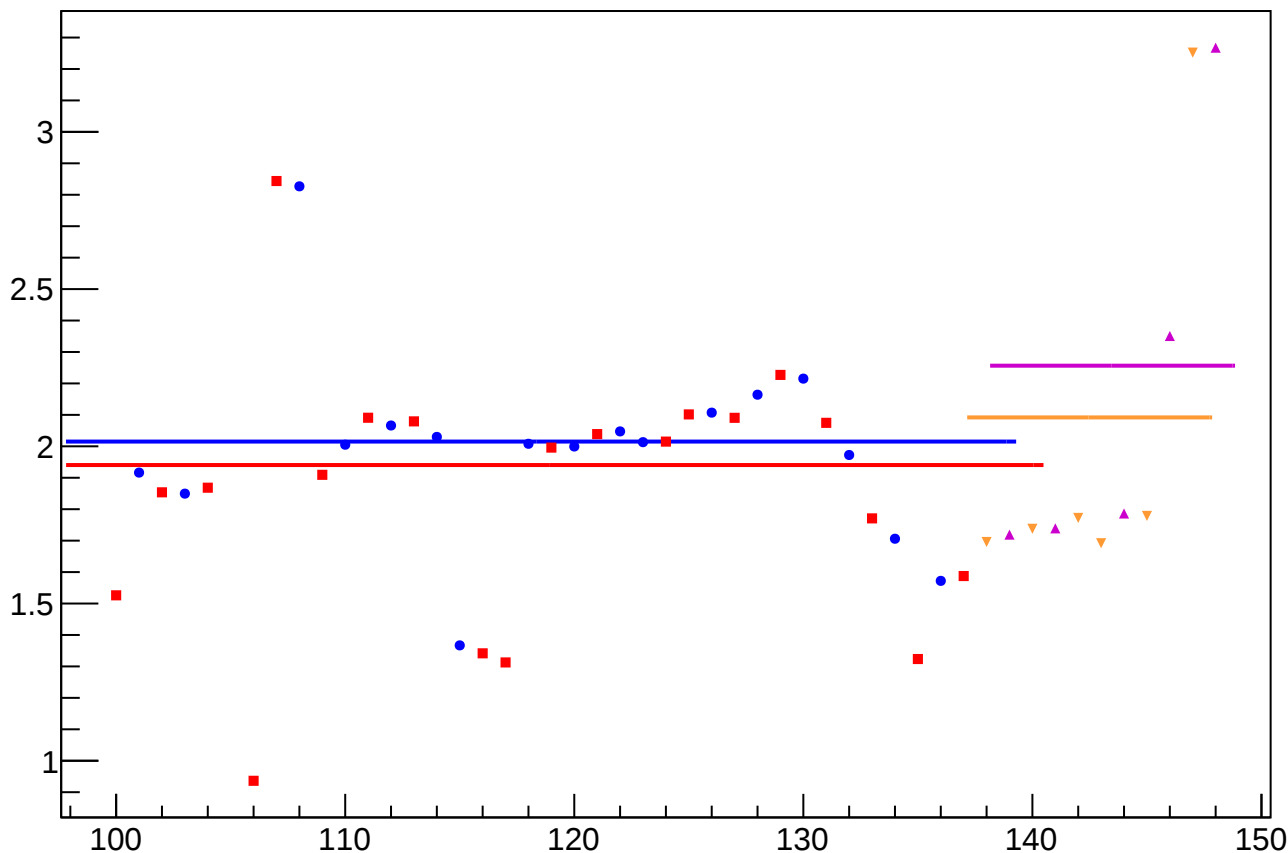
Left In: 0.006+/-0.000 χ^2/NDF : 17149.0/4

0.006+/-0.000 χ^2/NDF : 1947168.5/22

0.006+/-0.000 χ^2/NDF : 3701881.3/47

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: 2.092 $\pm$ 0.000 χ^2/NDF : 25492378471.4/5

Right Out: 1.940 $\pm$ 0.000 χ^2/NDF : 21732099424.5/19

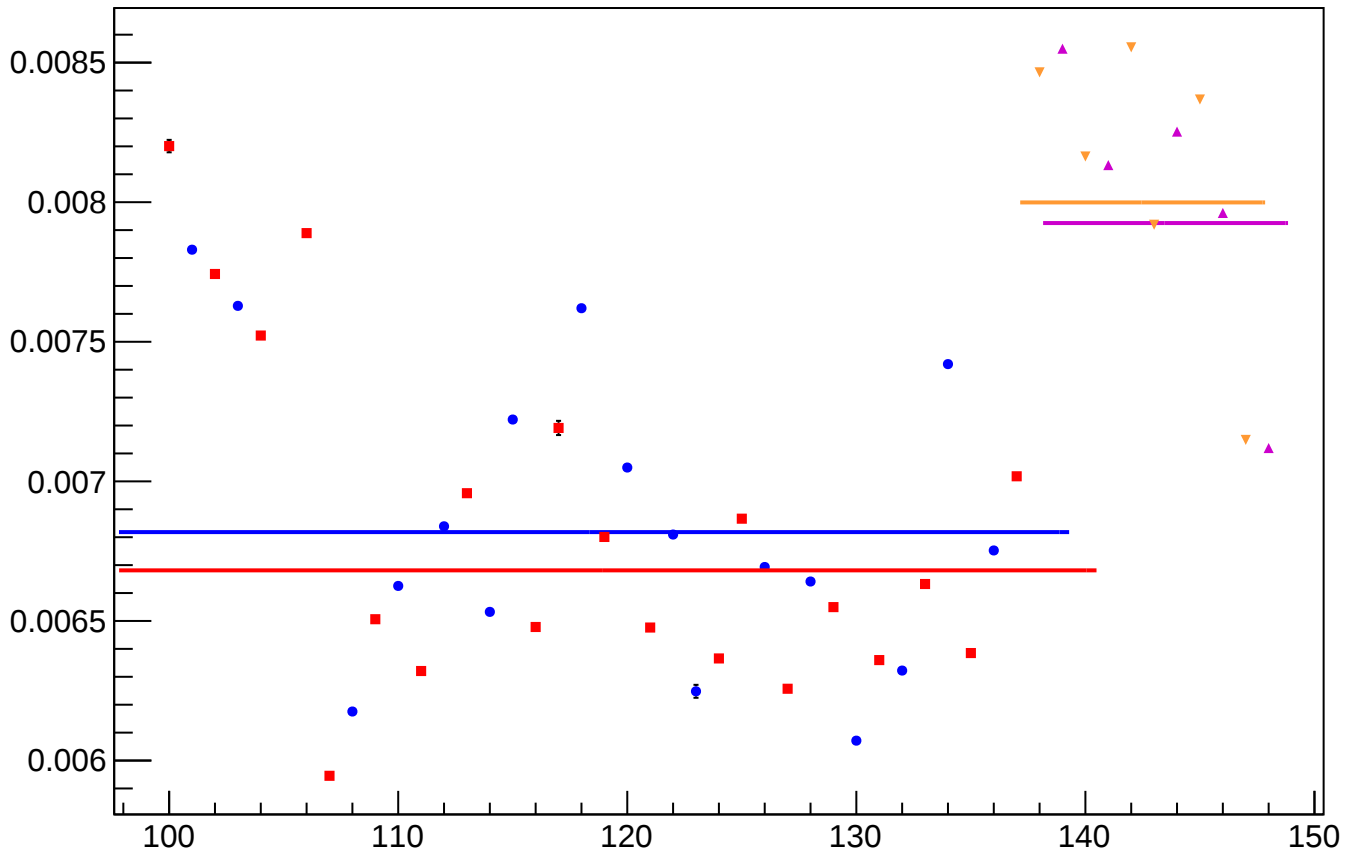
Left In: 2.256 $\pm$ 0.000 χ^2/NDF : 24462410352.0/4

2.039 $\pm$ 0.000 χ^2/NDF : 37969696559.1/22

2.034 $\pm$ 0.000 χ^2/NDF : 88523341574.9/4

2.030 $\pm$ 0.000 χ^2/NDF : 50546546372.1/24

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 75813.9/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 31887.2/5

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 76121.2/19

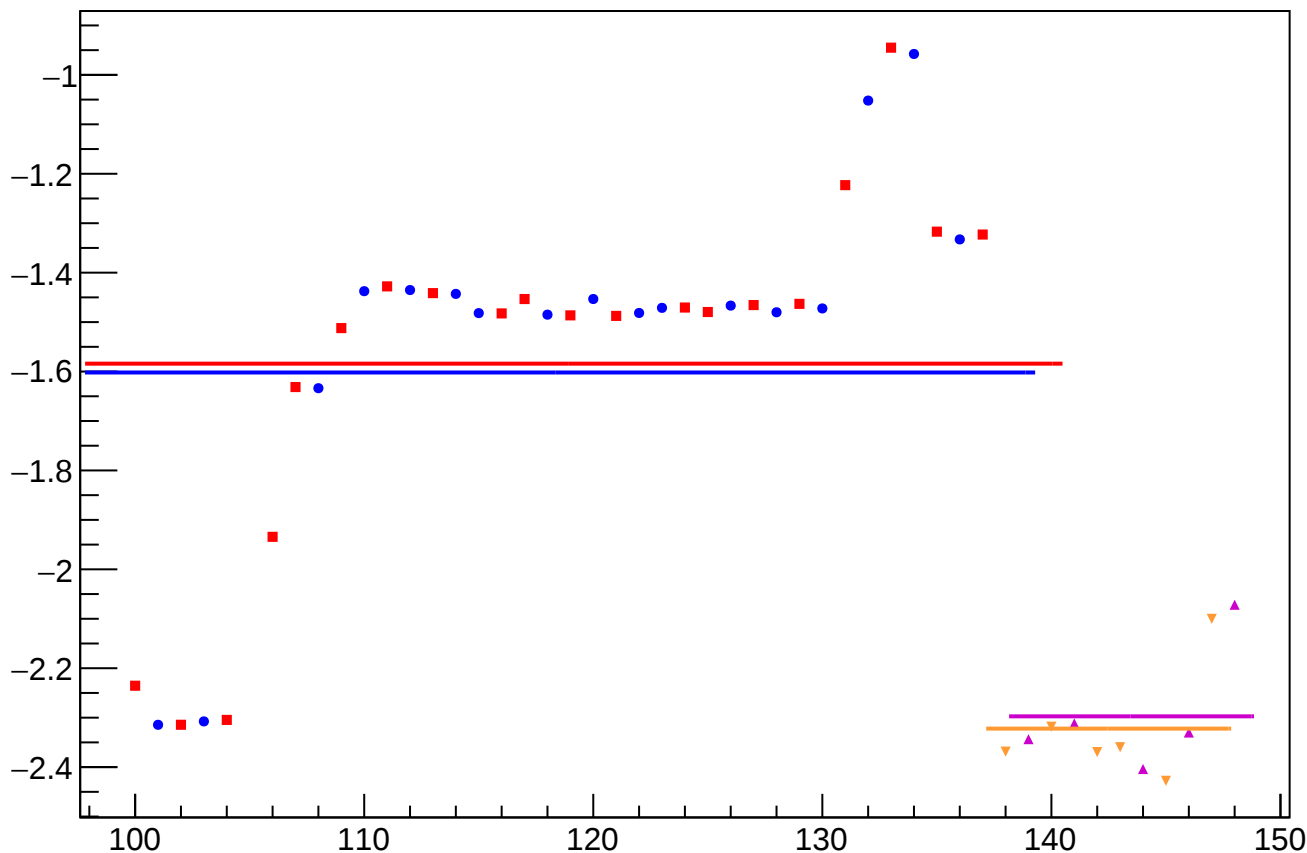
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 30678.7/4

0.007 $\pm$ 0.000 χ^2/NDF : 225363.6/22

0.007 $\pm$ 0.000 χ^2/NDF : 471467.7/47

0.007 $\pm$ 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: -2.322+/-0.000 χ^2/NDF : 5012200138.0/5

Right Out: -1.584+/-0.000 χ^2/NDF : 143612120137.8/19

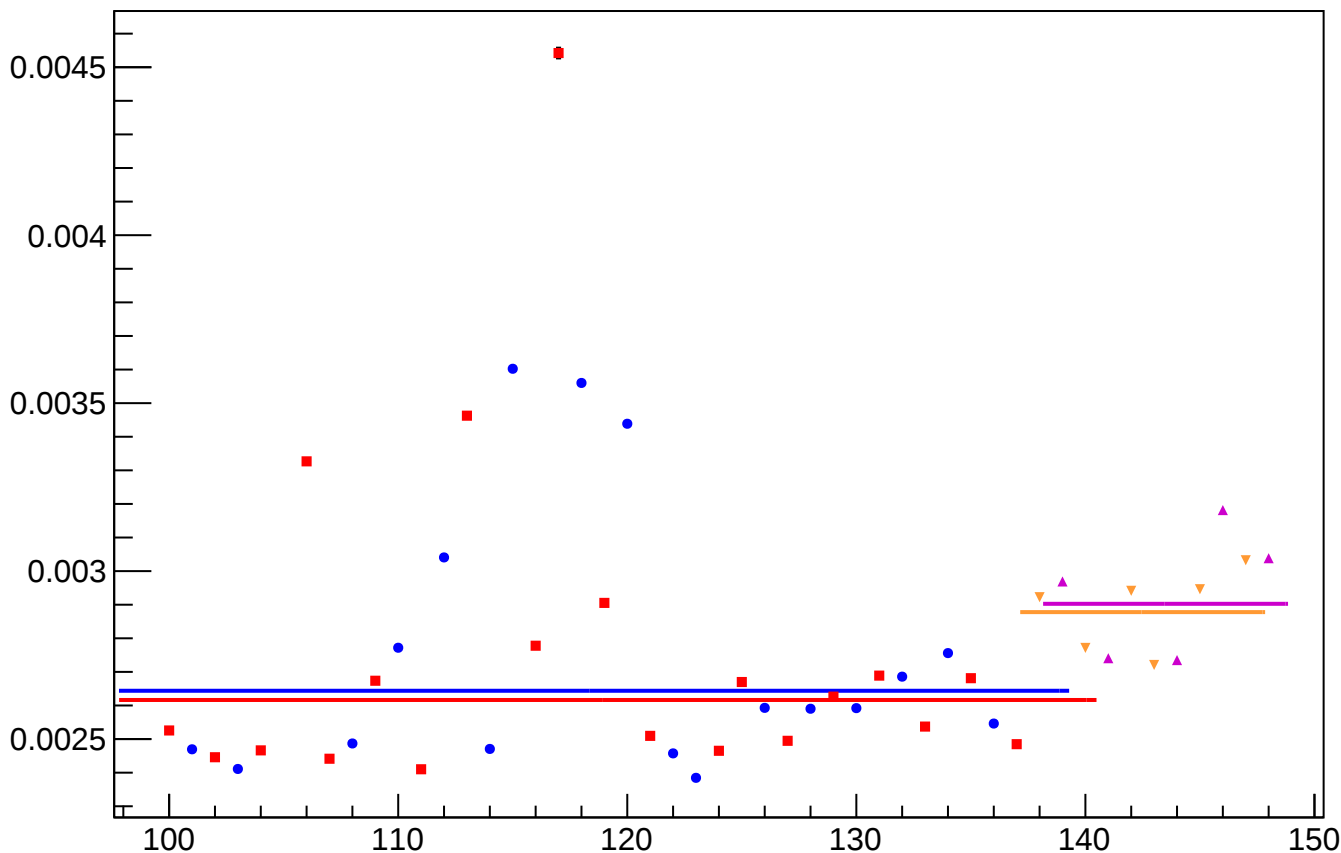
Left In: -2.297+/-0.000 χ^2/NDF : 5666445006.4/4

-1.845+/-0.000 χ^2/NDF : 302458794496.9/22

-1.824+/-0.000 χ^2/NDF : 607126181690.7

-1.805+/-0.000 χ^2/NDF : 303549959946.1/24

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 :11366.0/5

Right Out: 0.003+/-0.000 χ^2/NDF : 119852.1/19

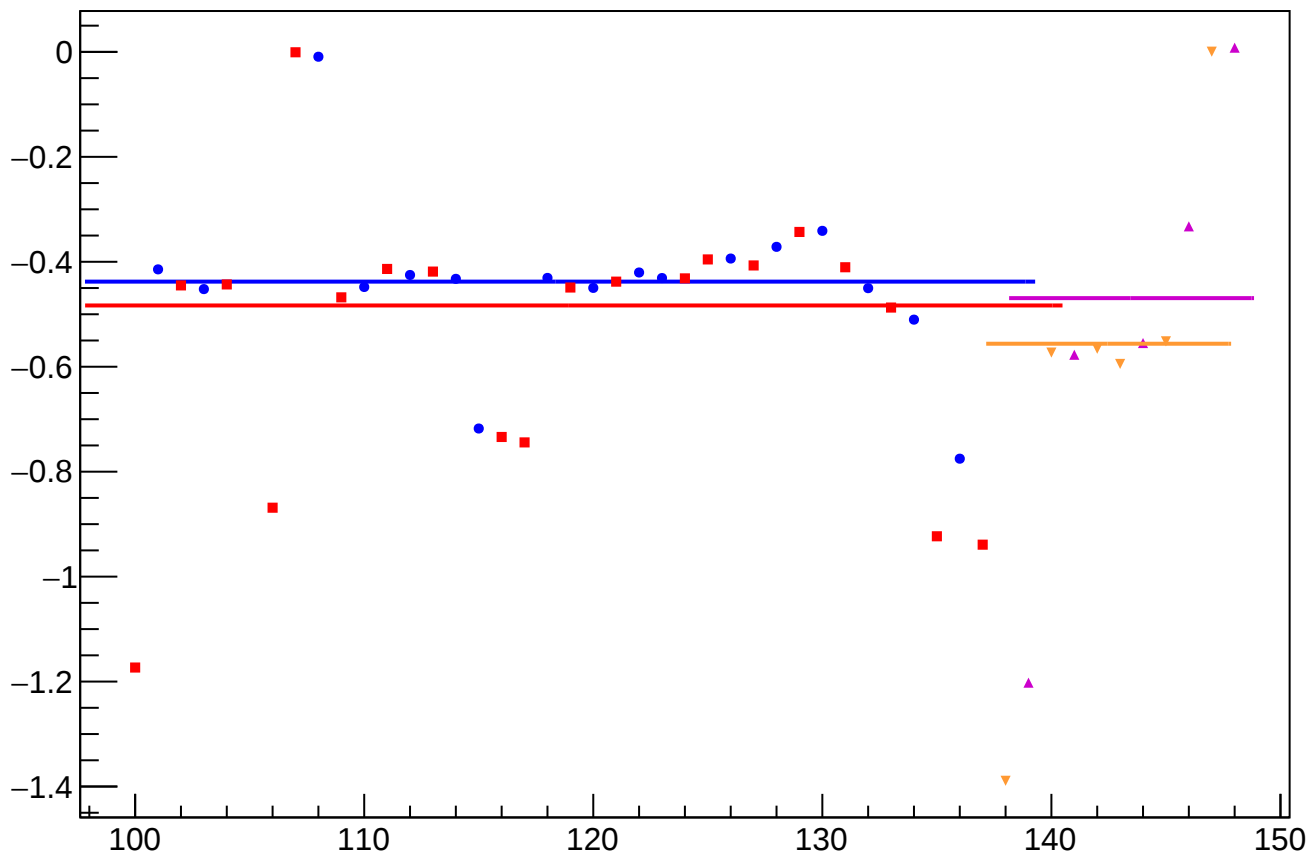
Left In: 0.003+/-0.000 χ^2/NDF :26202.6/4

0.003+/-0.000 χ^2/NDF : 195984.4/22

0.003+/-0.000 χ^2/NDF : 392184.4/47

0.003+/-0.000 χ^2/NDF : 195758.5/24

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.438+/-0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.556+/-0.000 χ^2/NDF : 3900676987.6/5

Right Out: -0.483+/-0.000 χ^2/NDF : 2714164016.2/19

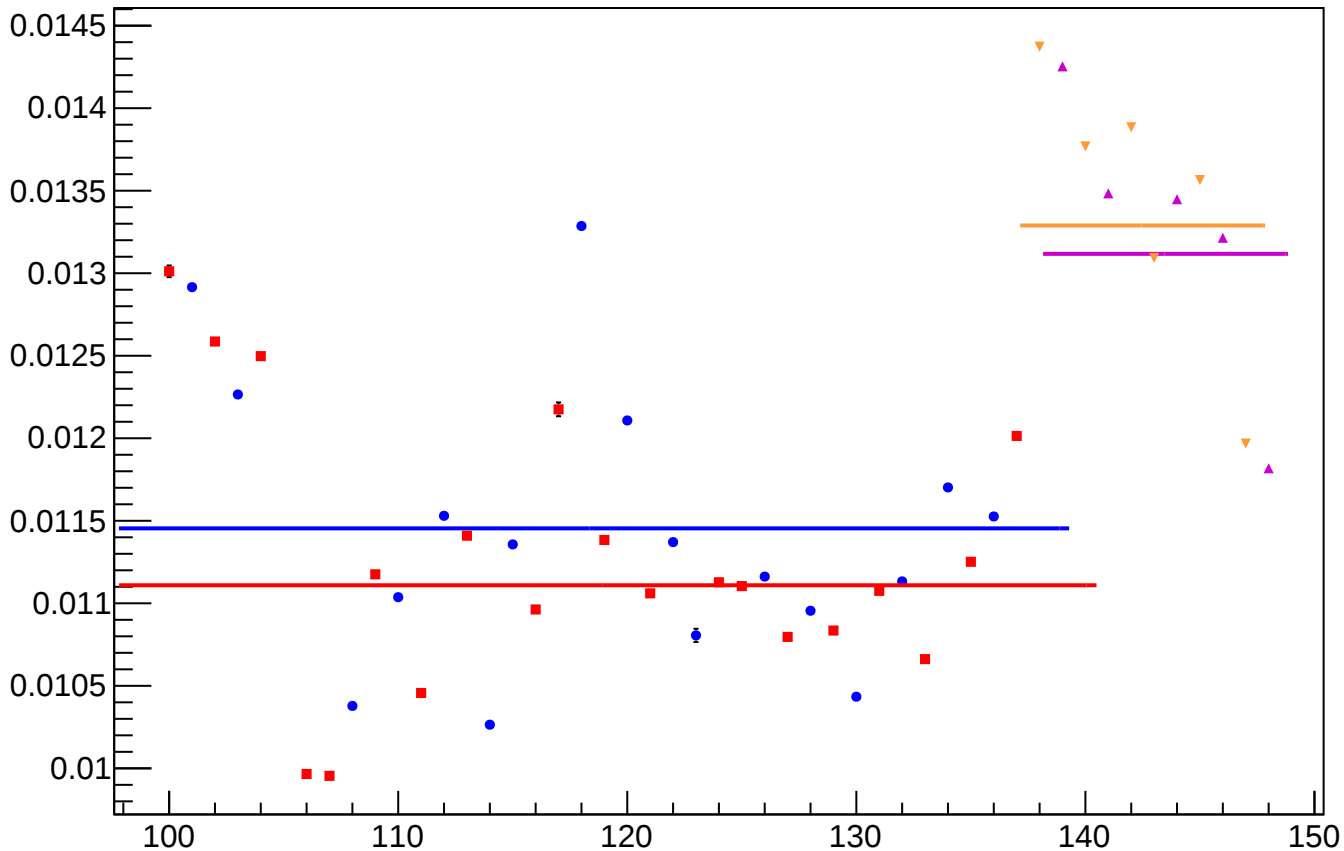
Left In: -0.469+/-0.000 χ^2/NDF : 3144504042.4/4

-0.474+/-0.000 χ^2/NDF : 5575956511.8/22

-0.477+/-0.000 χ^2/NDF : 11438674542.0/4

-0.479+/-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 : 30120.7/5

Right Out: 0.011+/-0.000 χ^2/NDF : 56696.9/19

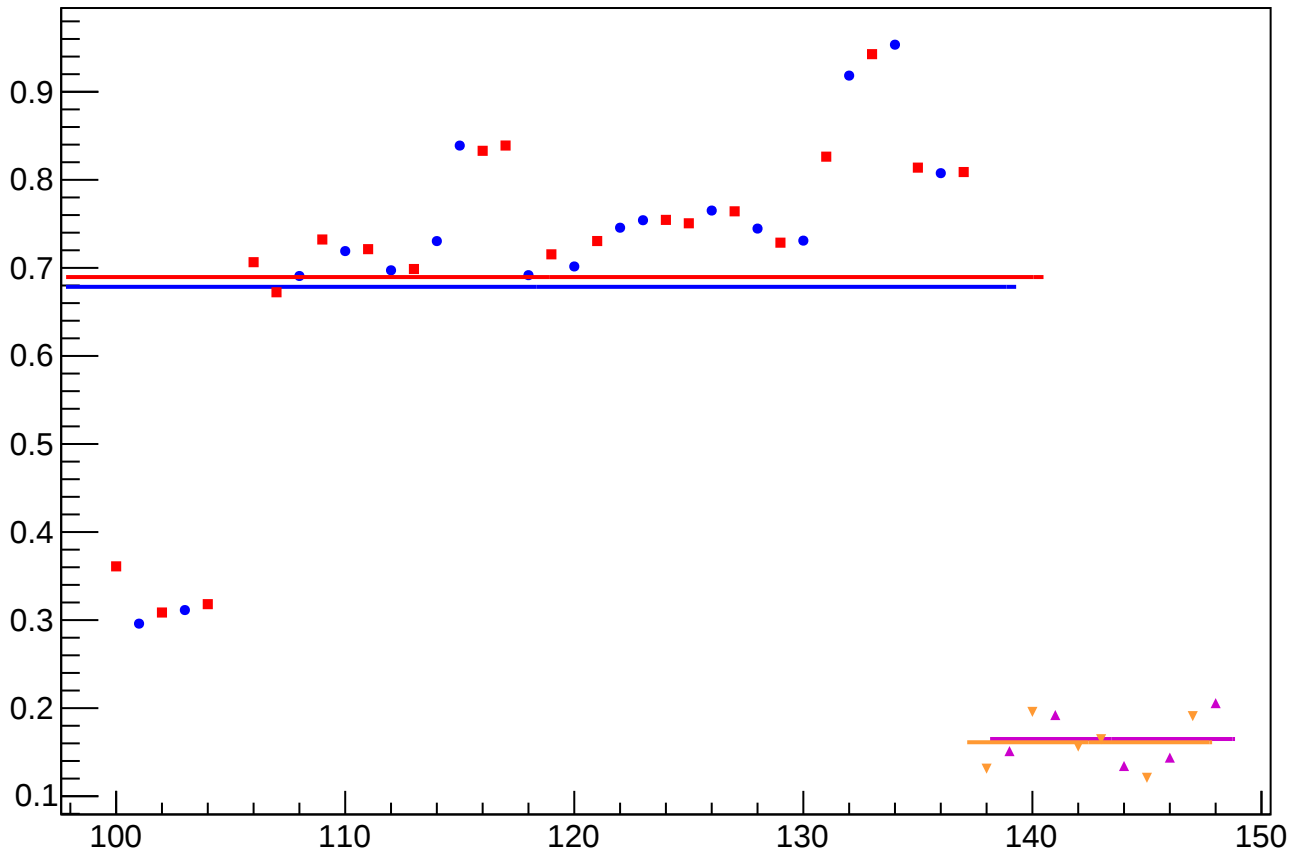
Left In: 0.013+/-0.000 χ^2/NDF : 29146.6/4

0.012+/-0.000 χ^2/NDF : 197151.8/22

0.012+/-0.000 χ^2/NDF : 419252.2/47

0.012+/-0.000 χ^2/NDF : 212932.9/24

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.678+/-0.000 χ^2/NDF : 38506442638.3/16

Left Out: 0.161+/-0.000 χ^2/NDF : 750825184.3/5

Right Out: 0.690+/-0.000 χ^2/NDF : 35439496983.3/19

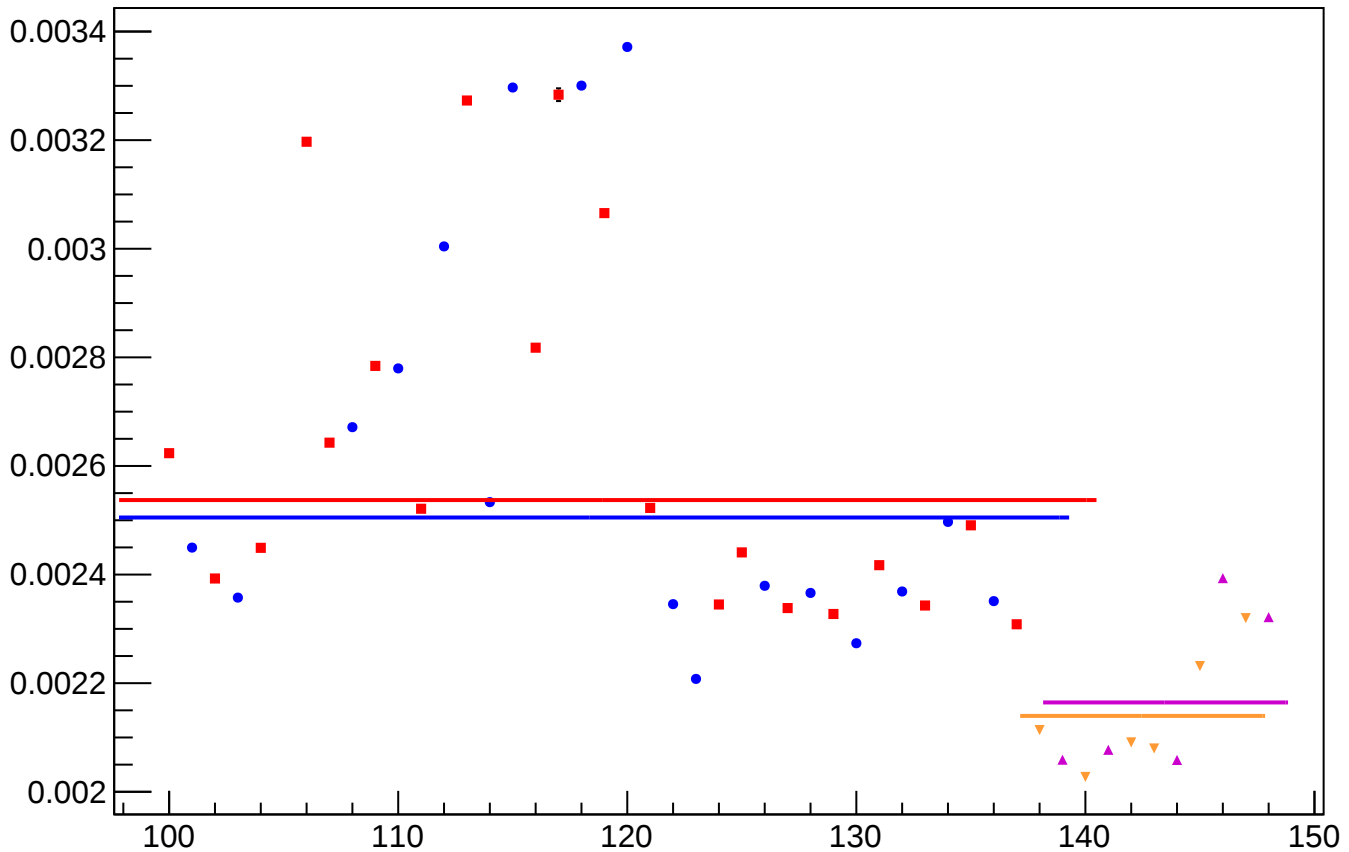
Left In: 0.165+/-0.000 χ^2/NDF : 668868147.1/4

0.435+/-0.000 χ^2/NDF : 166884339351.3/22

0.446+/-0.000 χ^2/NDF : 331730803338.0/22

0.456+/-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 :18527.5/5

Right Out: 0.003+/-0.000 χ^2/NDF : 135649.7/19

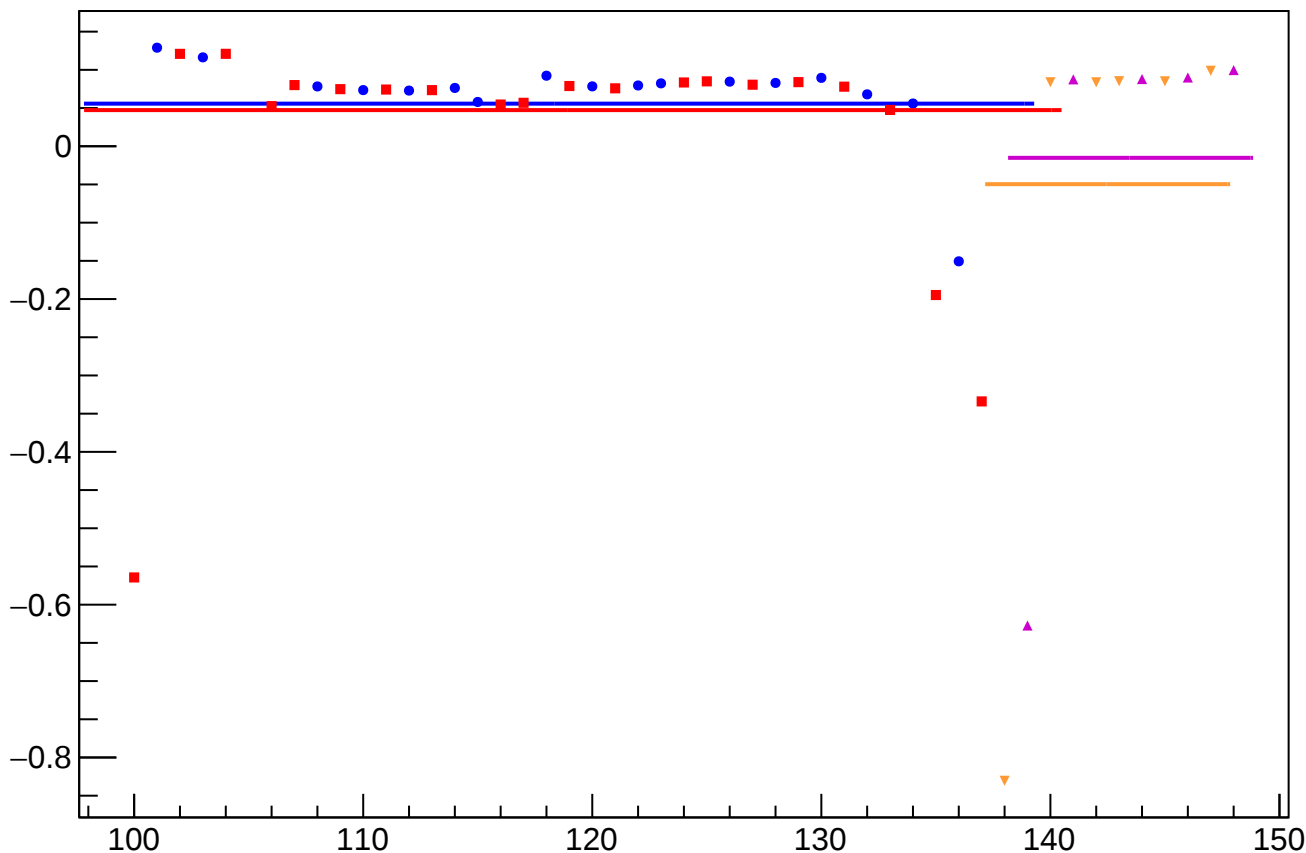
Left In: 0.002+/-0.000 χ^2/NDF :32848.1/4

0.002+/-0.000 χ^2/NDF : 321430.0/22

0.002+/-0.000 χ^2/NDF : 622158.4/47

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: -0.050+/-0.000 χ^2/NDF : 2904310989.7/5

Right Out: 0.047+/-0.000 χ^2/NDF : 819626031.7/19

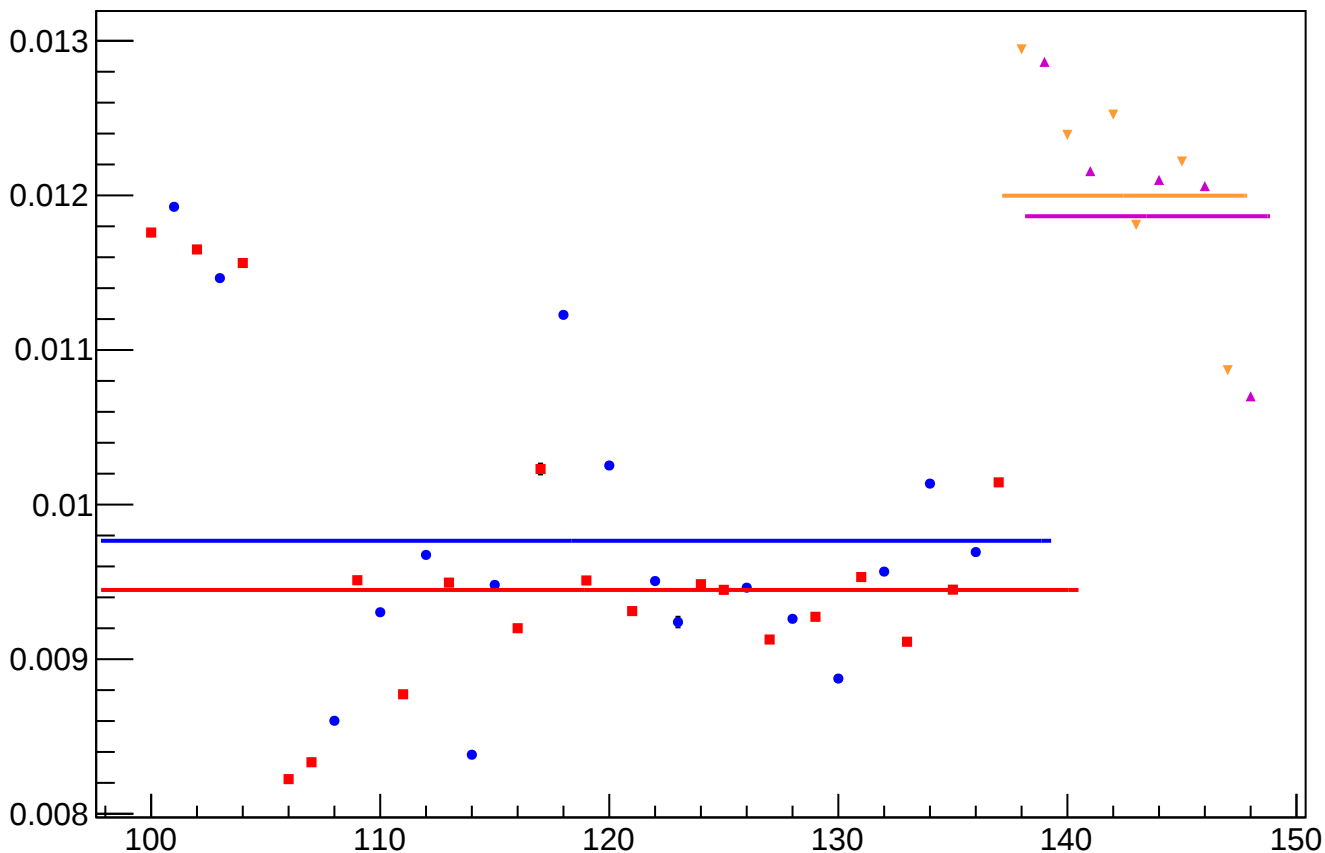
Left In: -0.015+/-0.000 χ^2/NDF : 1745010225.6/4

0.026+/-0.000 χ^2/NDF : 3541044263.9/22

0.029+/-0.000 χ^2/NDF : 6184732333.6/47

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: 27187.0/5

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 111197.0/19

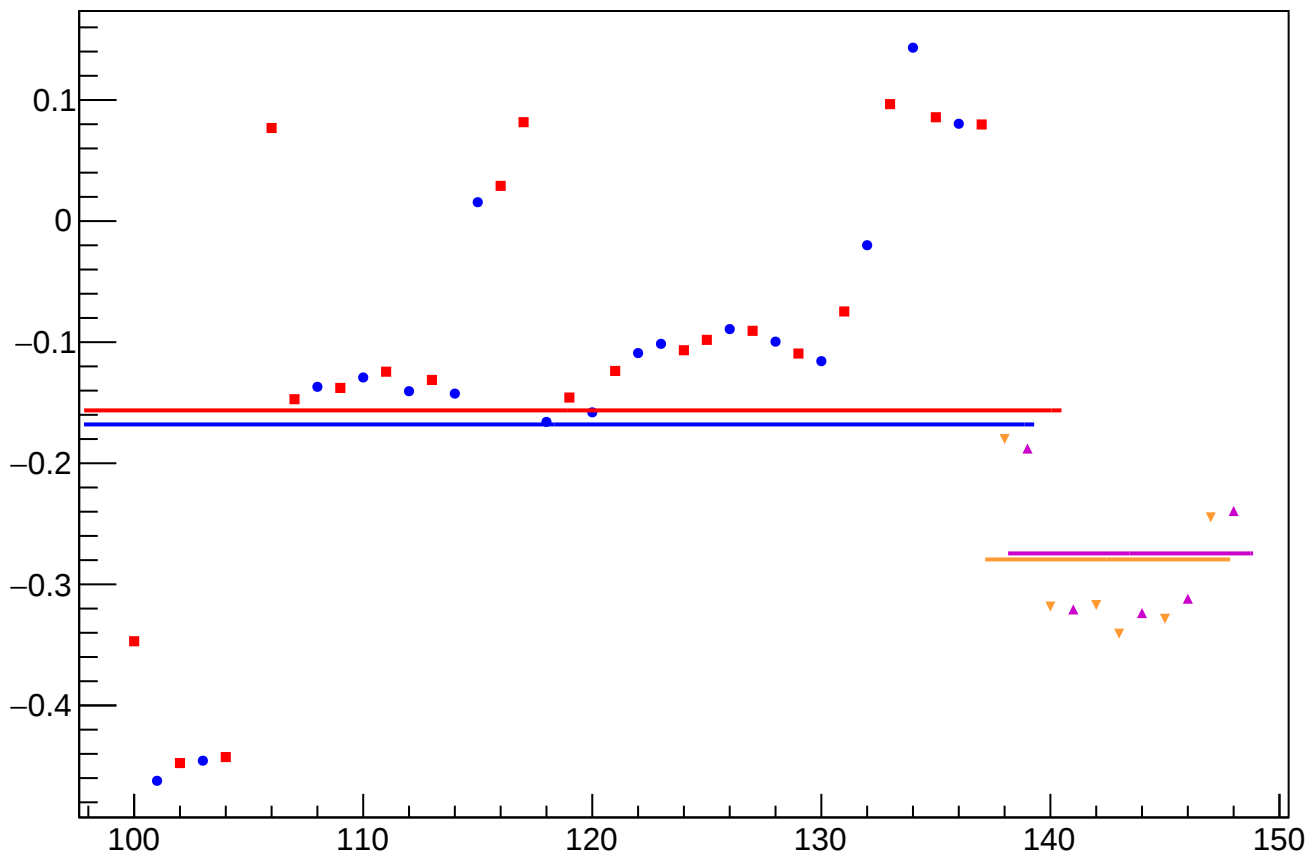
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 28022.6/4

0.010 $\pm$ 0.000 χ^2 /NDF: 335603.5/22

0.010 $\pm$ 0.000 χ^2 /NDF: 718111.0/47

0.010 $\pm$ 0.000 χ^2 /NDF: 371183.8/24

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.279+/-0.000 χ^2/NDF : 1609049248.7/5

Right Out: -0.156+/-0.000 χ^2/NDF : 11061140252.3/19

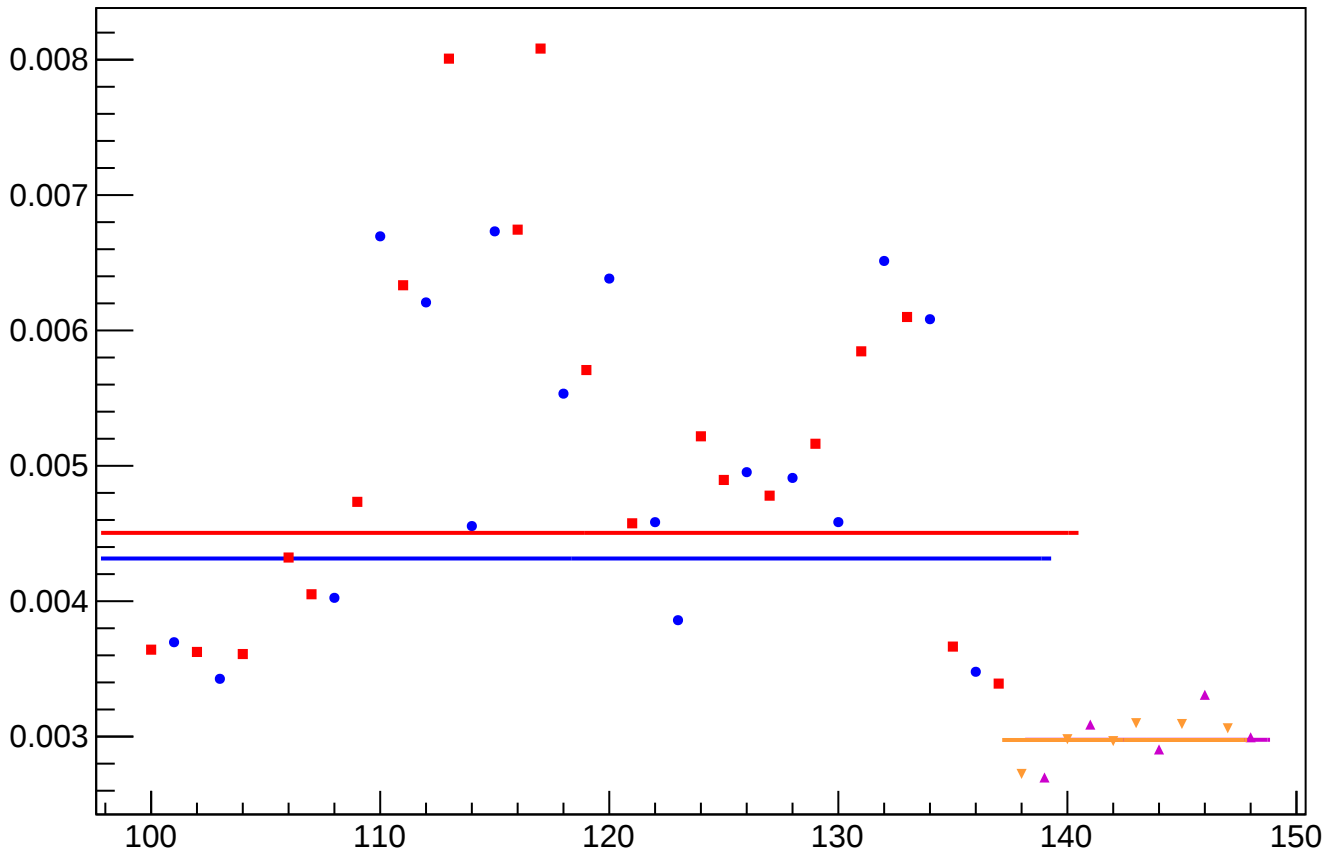
Left In: -0.274+/-0.000 χ^2/NDF : 1278891571.5/4

-0.233+/-0.000 χ^2/NDF : 16190761982.3/22

-0.228+/-0.000 χ^2/NDF : 31024861181.0/4

-0.224+/-0.000 χ^2/NDF : 14807668582.6/24

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 619744.7/16

Left Out: 0.003+/-0.000 χ^2/NDF : 16903.8/5

Right Out: 0.005+/-0.000 χ^2/NDF : 665152.6/19

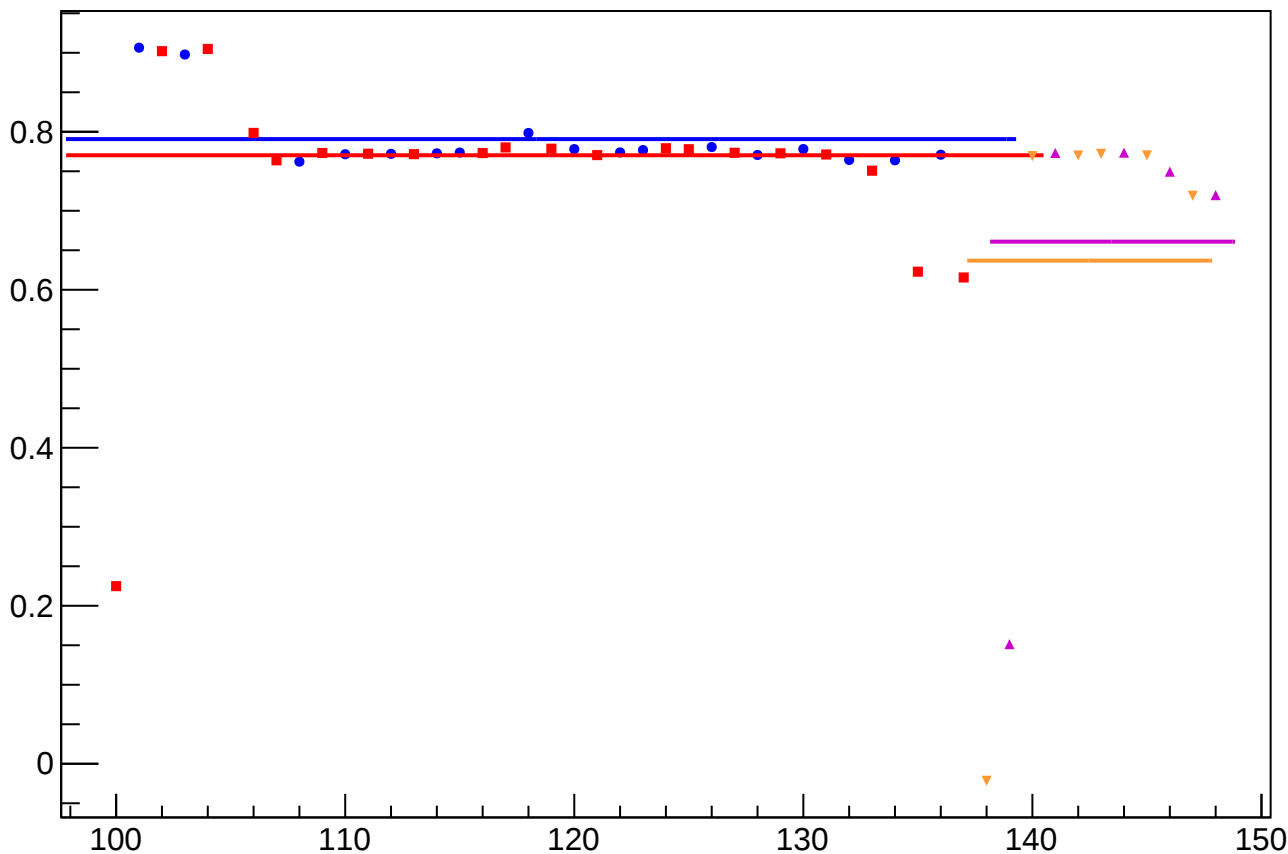
Left In: 0.003+/-0.000 χ^2/NDF : 31451.1/4

0.004+/-0.000 χ^2/NDF : 1287216.3/22

0.004+/-0.000 χ^2/NDF : 2816289.9/47

0.004+/-0.000 χ^2/NDF : 1523180.8/24

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106705767.1/16

Left Out: 0.637 $\pm$ 0.000 χ^2 /NDF: 2272446200.2/5

Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375473971.0/19

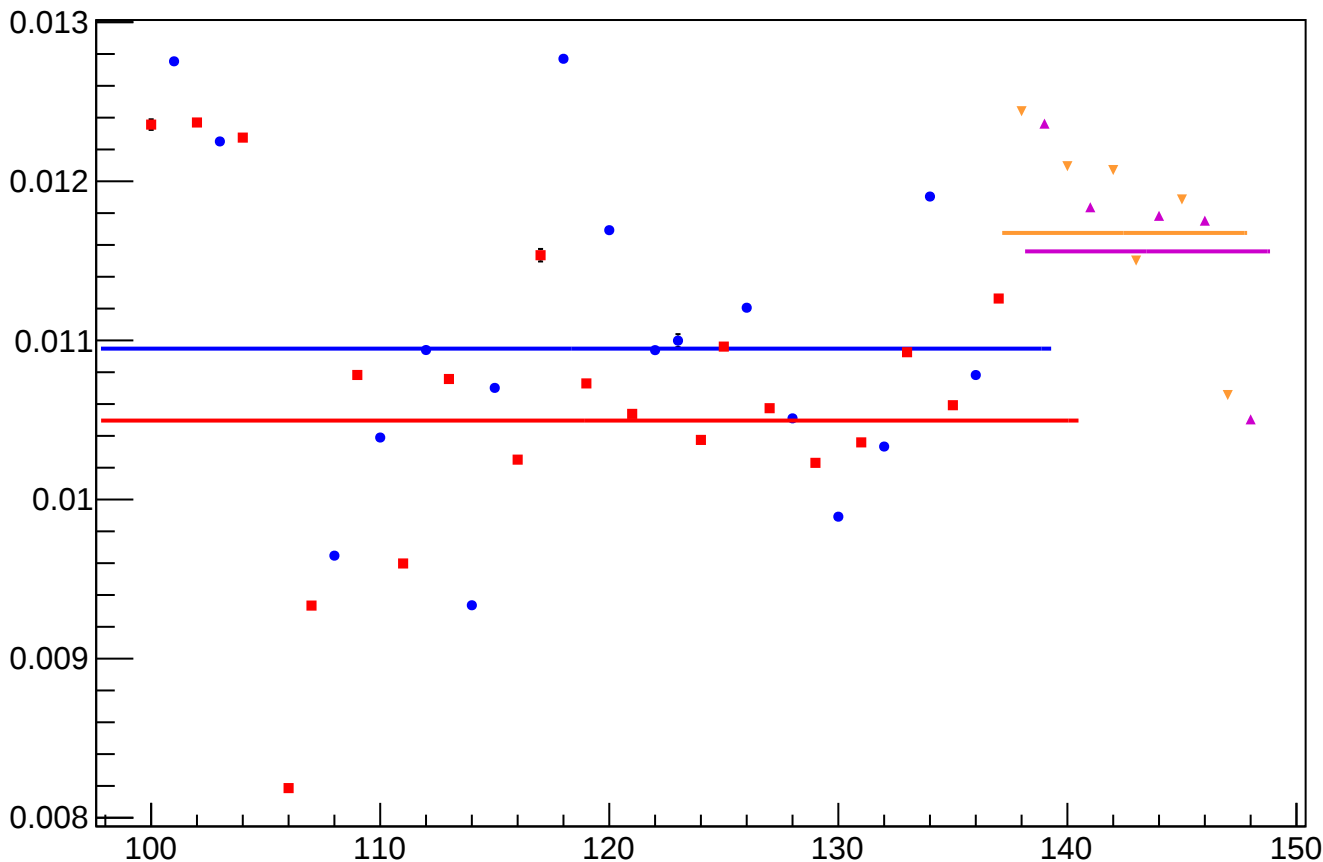
Left In: 0.661 $\pm$ 0.000 χ^2 /NDF: 1333422845.9/4

0.737 $\pm$ 0.000 χ^2 /NDF: 2822496130.4/22

0.737 $\pm$ 0.000 χ^2 /NDF: 4765267278.4/47

0.736 $\pm$ 0.000 χ^2 /NDF: 1942744945.1/24

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 98551.4/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:22418.6/5

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 120120.6/19

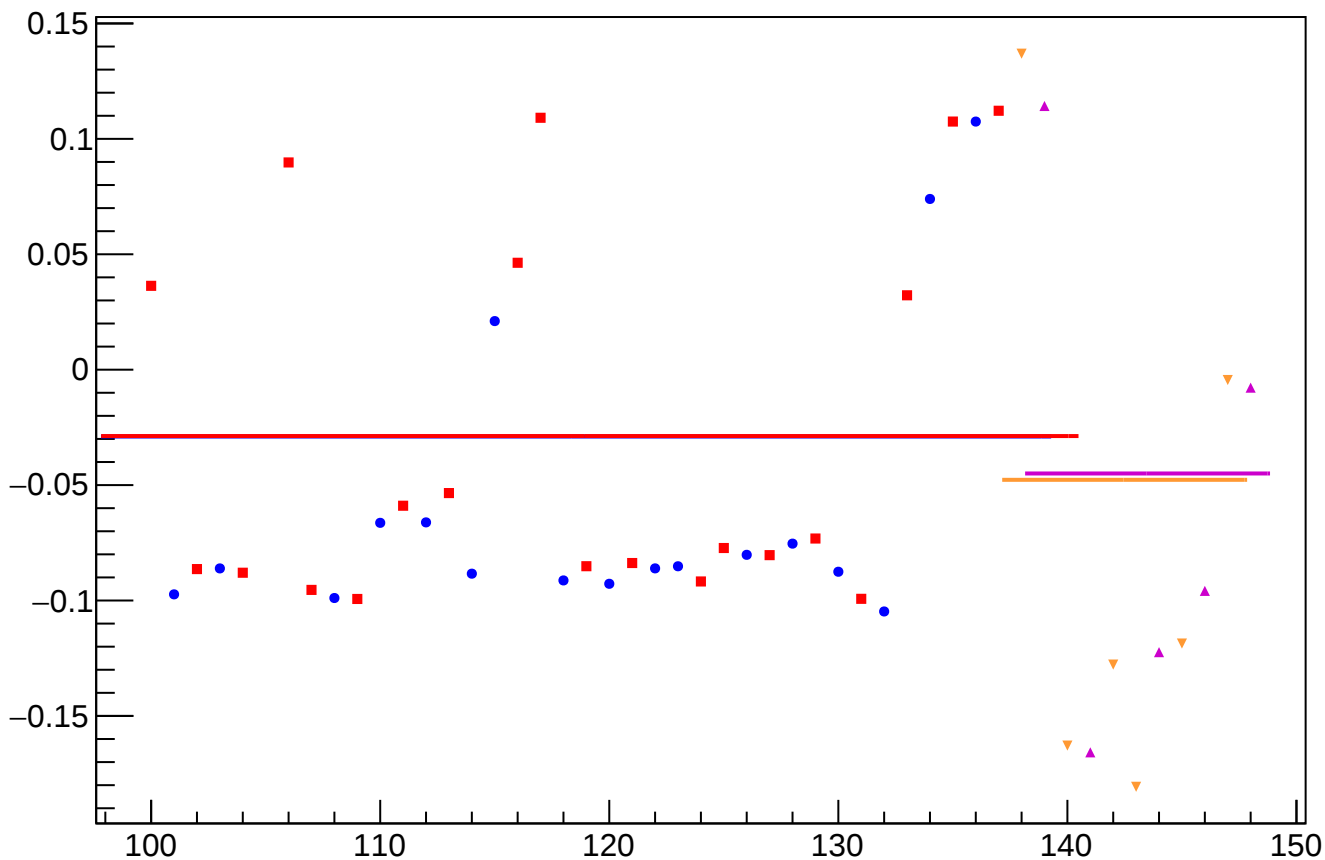
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:23080.4/4

0.011 $\pm$ 0.000 χ^2 /NDF: 140780.1/22

0.011 $\pm$ 0.000 χ^2 /NDF: 340418.8/47

0.011 $\pm$ 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: -0.048+/-0.000 χ^2/NDF : 4718169679.4/5

Right Out: -0.029+/-0.000 χ^2/NDF : 2122918772.1/19

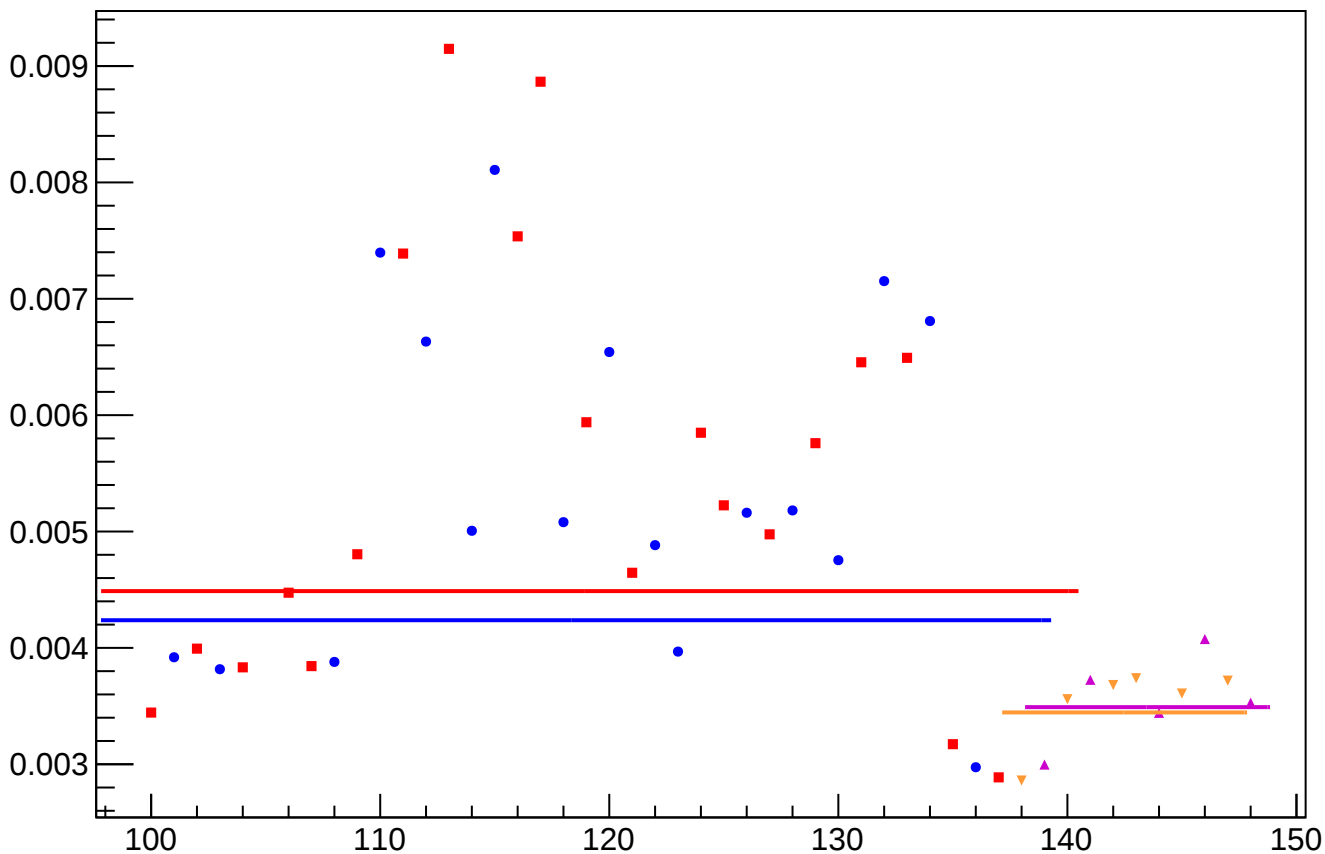
Left In: -0.045+/-0.000 χ^2/NDF : 3168980835.5/4

-0.038+/-0.000 χ^2/NDF : 7218057009.8/22

-0.038+/-0.000 χ^2/NDF : 12548857370.8/4

-0.037+/-0.000 χ^2/NDF : 5330102471.7/24

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 881584.1/16

Left Out: 0.003+/-0.000 χ^2/NDF : 77928.0/5

Right Out: 0.004+/-0.000 χ^2/NDF : 1003473.4/19

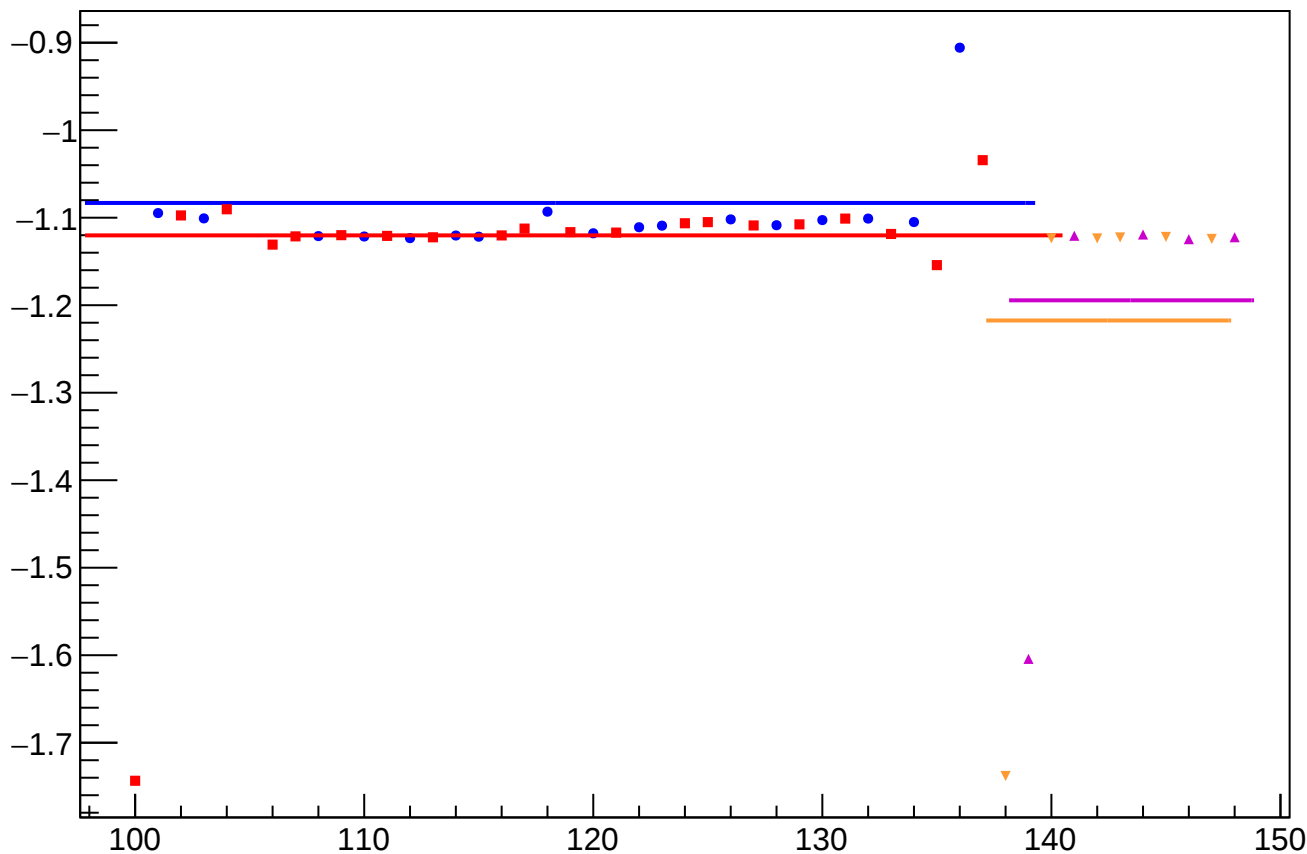
Left In: 0.003+/-0.000 χ^2/NDF : 68869.3/4

0.004+/-0.000 χ^2/NDF : 1151625.4/22

0.004+/-0.000 χ^2/NDF : 2526725.9/47

0.004+/-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: -1.217 ± 0.000 χ^2/NDF : 1764423994.6/5

Right Out: -1.120 ± 0.000 χ^2/NDF : 220586820.0/19

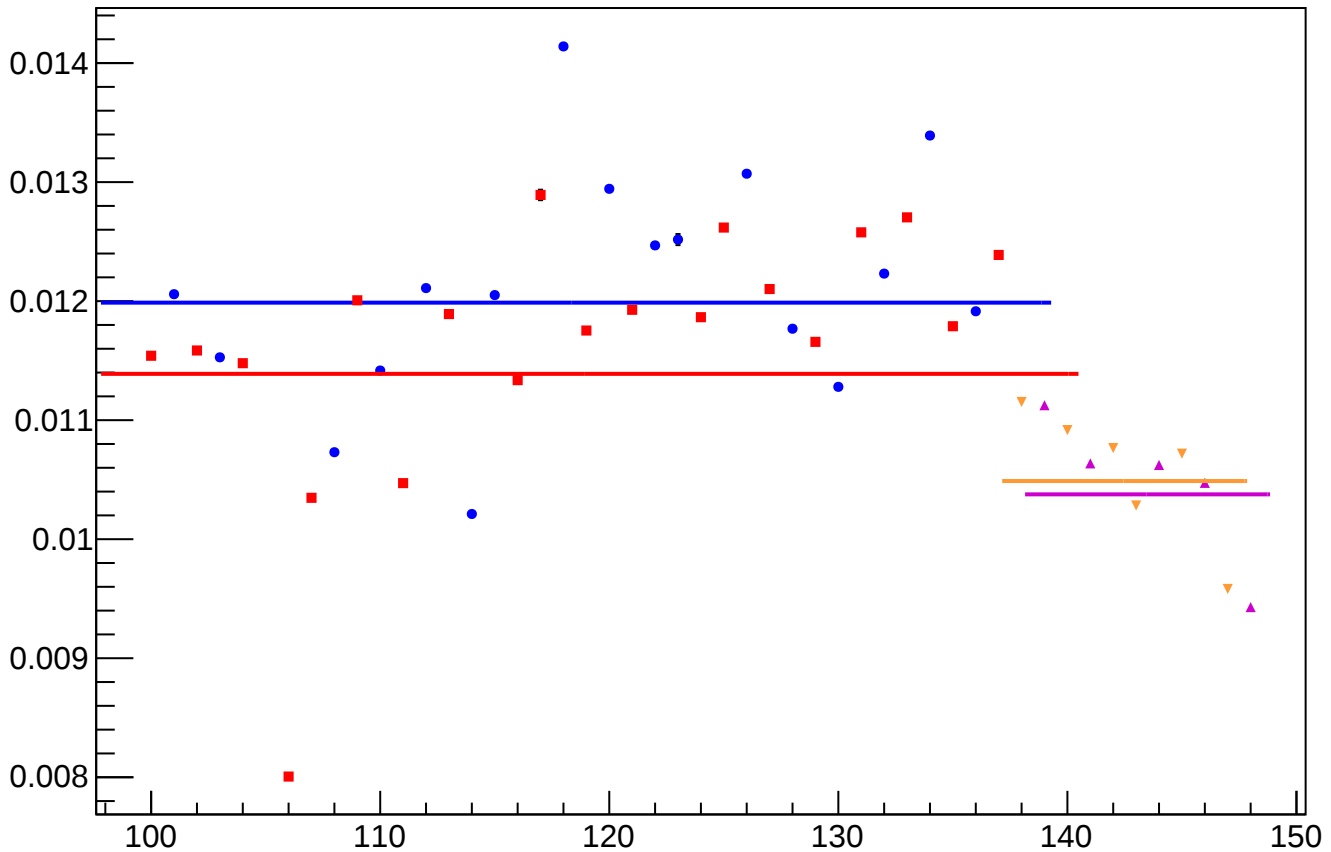
Left In: -1.194 ± 0.000 χ^2/NDF : 1056994545.3/4

-1.143 ± 0.000 χ^2/NDF : 2327266513.2/22

-1.147 ± 0.000 χ^2/NDF : 3724024038.3/47

-1.150 ± 0.000 χ^2/NDF : 1394714846.6/24

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 60402.0/16

Left Out: 0.010+/-0.000 χ^2/NDF : 22532.7/5

Right Out: 0.011+/-0.000 χ^2/NDF : 155700.3/19

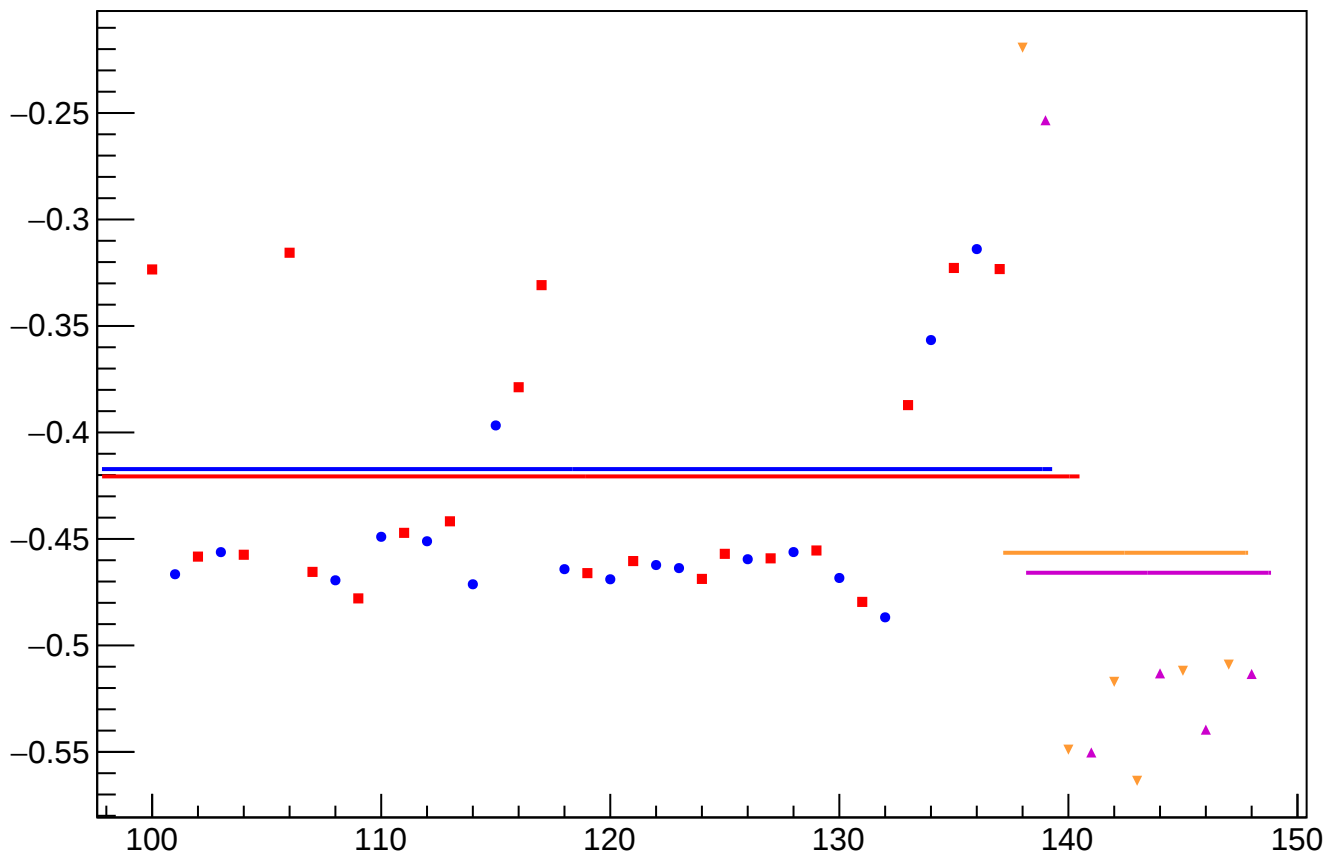
Left In: 0.010+/-0.000 χ^2/NDF : 23762.7/4

0.011+/-0.000 χ^2/NDF : 172527.9/22

0.011+/-0.000 χ^2/NDF : 405124.9/47

0.011+/-0.000 χ^2/NDF : 223047.1/24

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.417 $\pm$ 0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.456 $\pm$ 0.000 χ^2/NDF : 4563197778.3/5

Right Out: -0.421 $\pm$ 0.000 χ^2/NDF : 1652792044.5/19

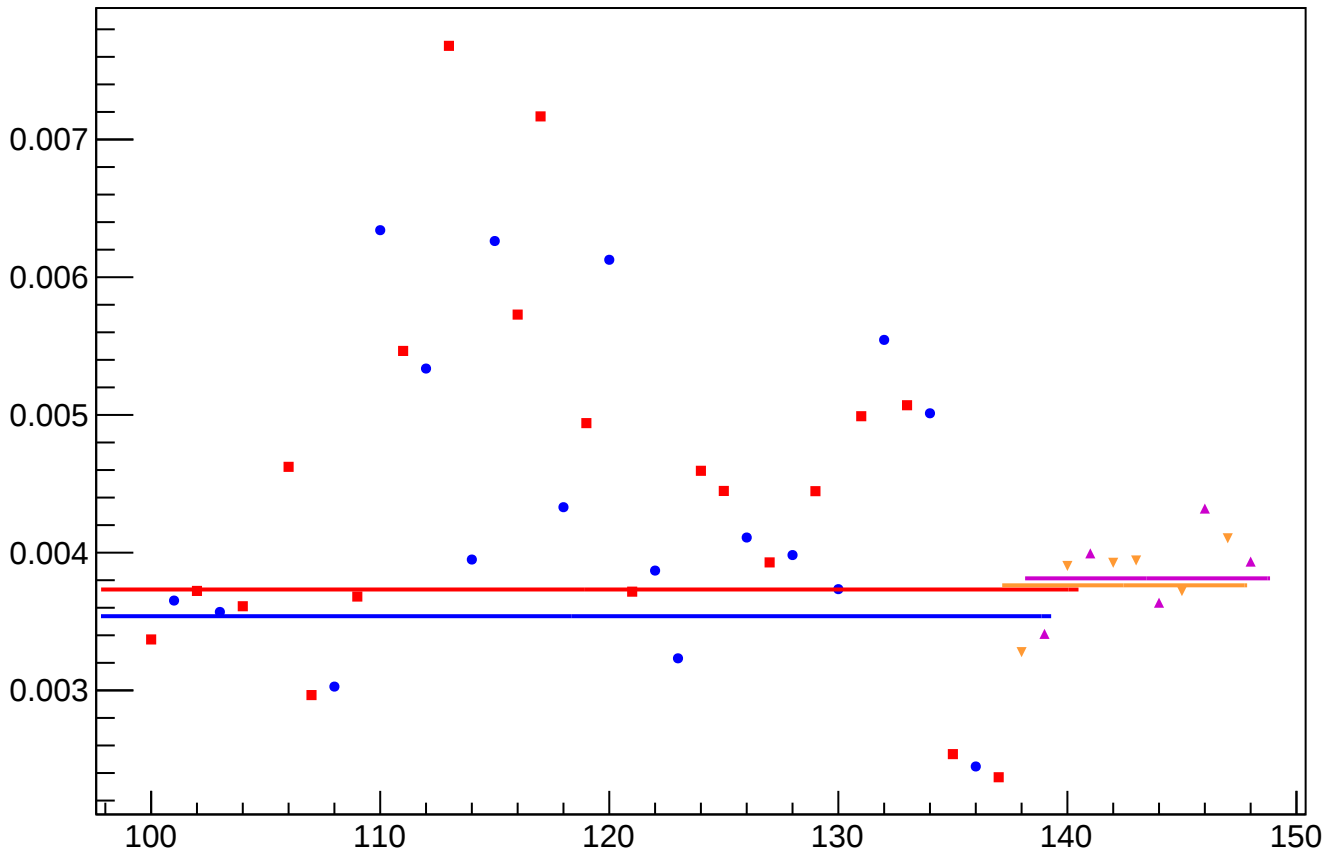
Left In: -0.466 $\pm$ 0.000 χ^2/NDF : 3214804883.5/4

-0.432 $\pm$ 0.000 χ^2/NDF : 6851902669.7/22

-0.434 $\pm$ 0.000 χ^2/NDF : 12044051376.5/4

-0.437 $\pm$ 0.000 χ^2/NDF : 5182657872.5/24

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 836154.0/16

Left Out: 0.004 $\pm$ 0.000 χ^2/NDF : 44249.7/5

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 916963.6/19

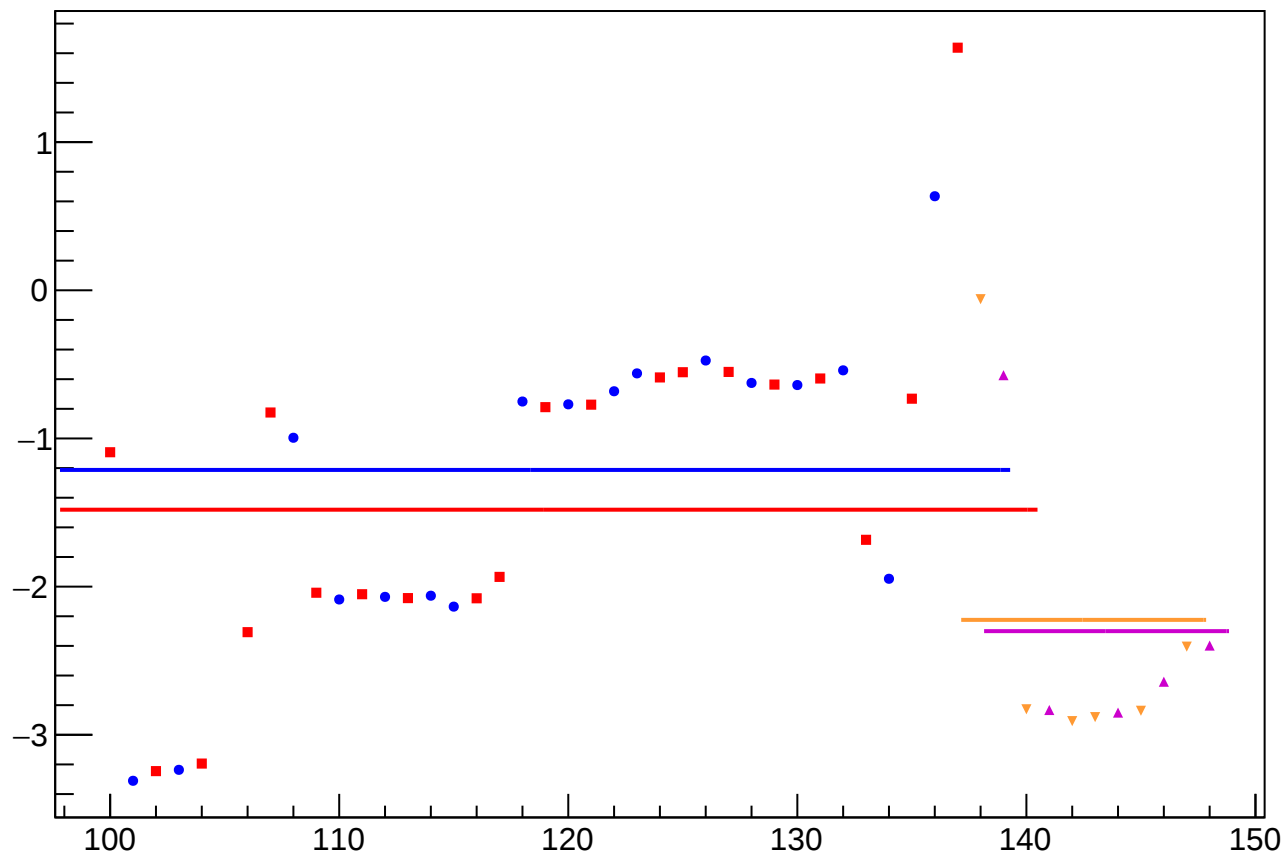
Left In: 0.004 $\pm$ 0.000 χ^2/NDF : 44099.8/4

0.004 $\pm$ 0.000 χ^2/NDF : 896656.5/22

0.004 $\pm$ 0.000 χ^2/NDF : 1873010.9/47

0.004 $\pm$ 0.000 χ^2/NDF : 963078.1/24

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.212+/-0.000 χ^2/NDF : 1992853443.9/16

Left Out: -2.224+/-0.000 χ^2/NDF : 848620185.7/5

Right Out: -1.481+/-0.000 χ^2/NDF : 1579722113.8/19

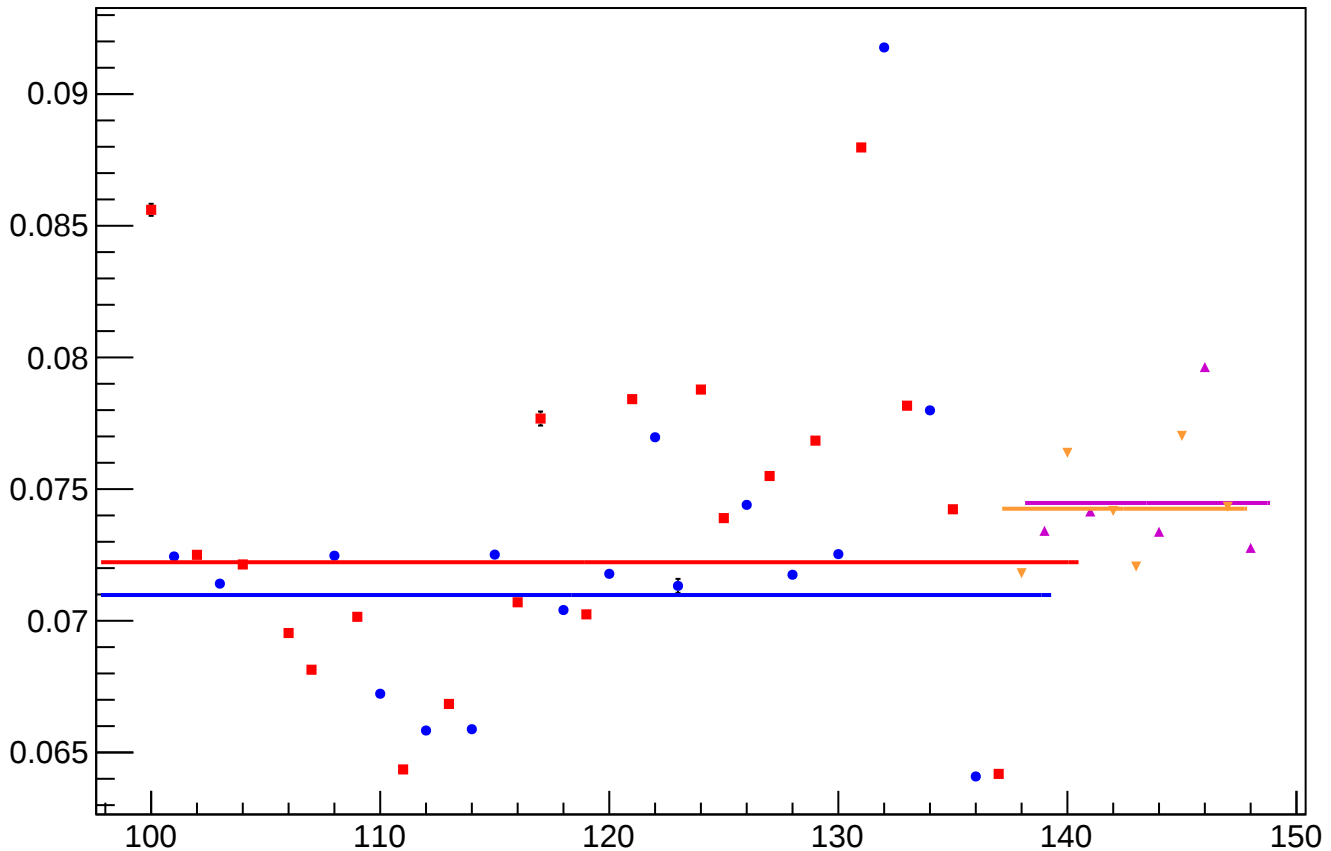
Left In: -2.300+/-0.000 χ^2/NDF : 478731200.7/4

-1.575+/-0.000 χ^2/NDF : 3319520000.7/22

-1.667+/-0.000 χ^2/NDF : 5719563568.6/47

-1.760+/-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 : 5896.2/5

Right Out: 0.072+/-0.000 χ^2/NDF : 73650.9/19

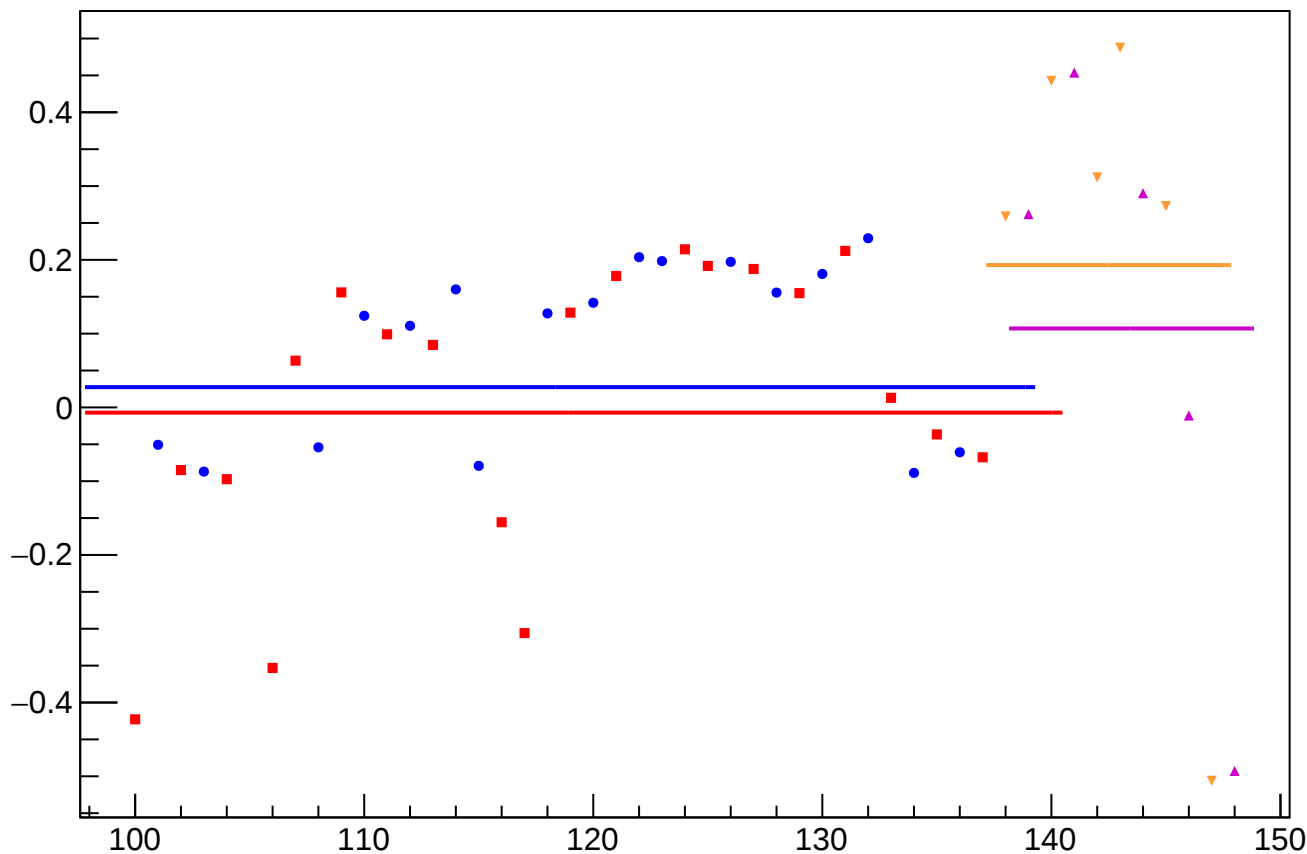
Left In: 0.074+/-0.000 χ^2/NDF : 7759.8/4

0.072+/-0.000 χ^2/NDF : 93509.8/22

0.073+/-0.000 χ^2/NDF : 180973.1/47

0.073+/-0.000 χ^2/NDF : 86034.4/24

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 0.027 $\pm$ 0.000 χ^2/NDF : 562337631.4/16

Left Out: 0.193 $\pm$ 0.000 χ^2/NDF : 5685199156.5/5

Right Out: -0.007 $\pm$ 0.000 χ^2/NDF : 1207003891.2/19

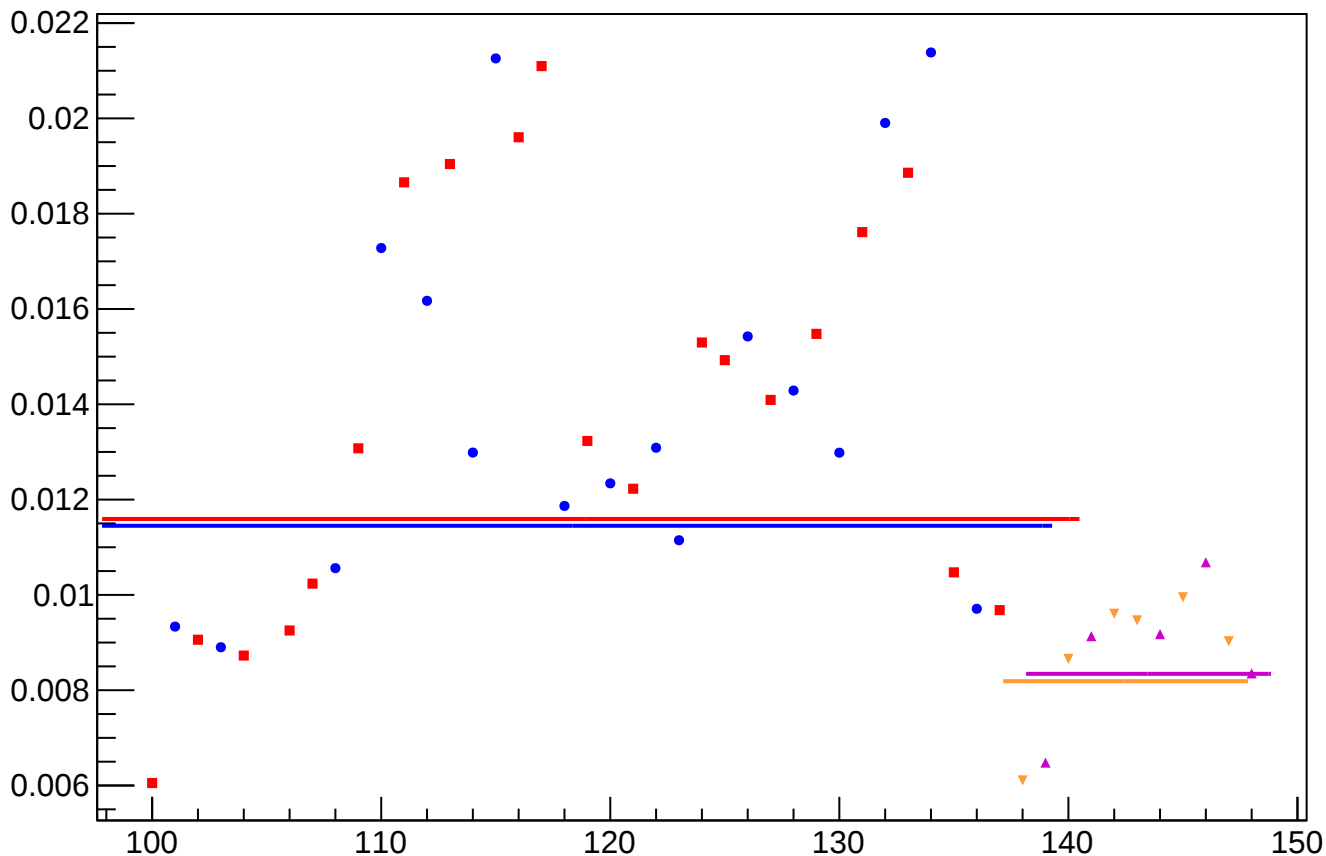
Left In: 0.107 $\pm$ 0.000 χ^2/NDF : 5700915300.7/4

0.118 $\pm$ 0.000 χ^2/NDF : 6905743700.9/22

0.086 $\pm$ 0.000 χ^2/NDF : 14321001583.9/4

0.053 $\pm$ 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 : 252788.3/5

Right Out: 0.012 $\pm$ 0.000 χ^2/NDF : 1012799.2/19

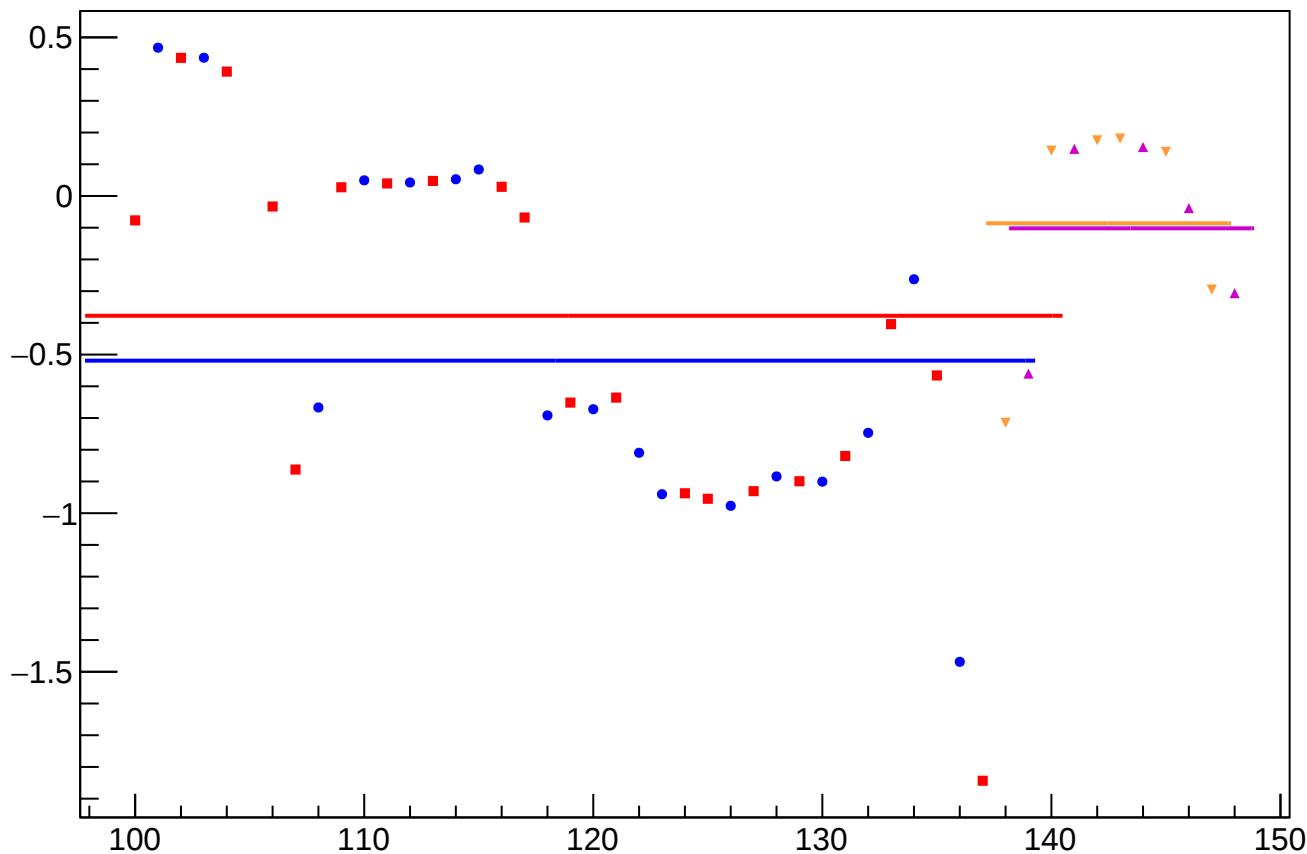
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 193487.0/4

0.010 $\pm$ 0.000 χ^2/NDF : 1443950.2/22

0.010 $\pm$ 0.000 χ^2/NDF : 3150958.7/47

0.010 $\pm$ 0.000 χ^2/NDF : 1702767.6/24

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.519 ± 0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.086 ± 0.000 χ^2/NDF : 66743839.3/5

Right Out: -0.378 ± 0.000 χ^2/NDF : 269130827.6/19

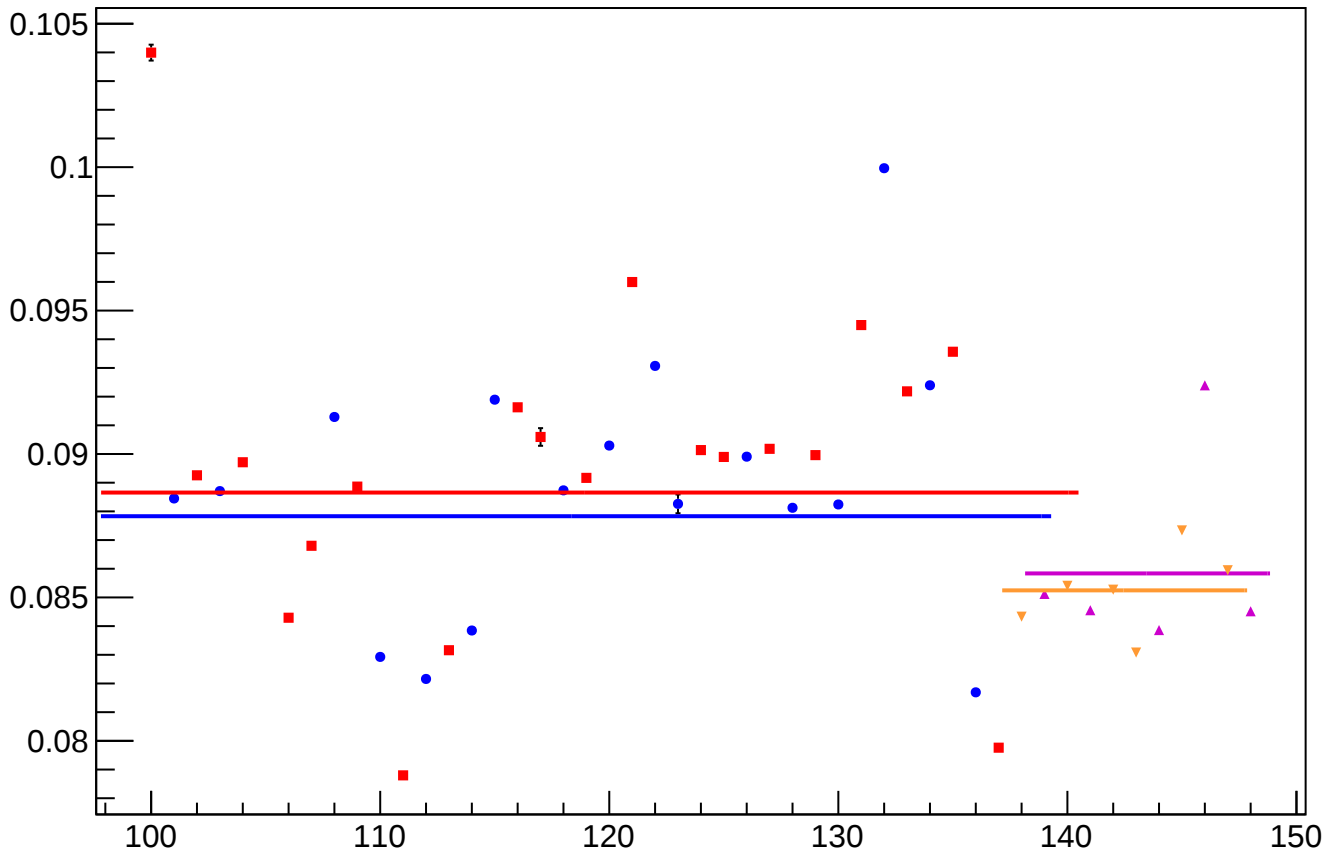
Left In: -0.102 ± 0.000 χ^2/NDF : 39996761.8/4

-0.348 ± 0.000 χ^2/NDF : 470412815.6/22

-0.311 ± 0.000 χ^2/NDF : 808910104.9/47

-0.275 ± 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 : 2031.8/5

Right Out: 0.089 $\pm$ 0.000 χ^2/NDF : 39762.8/19

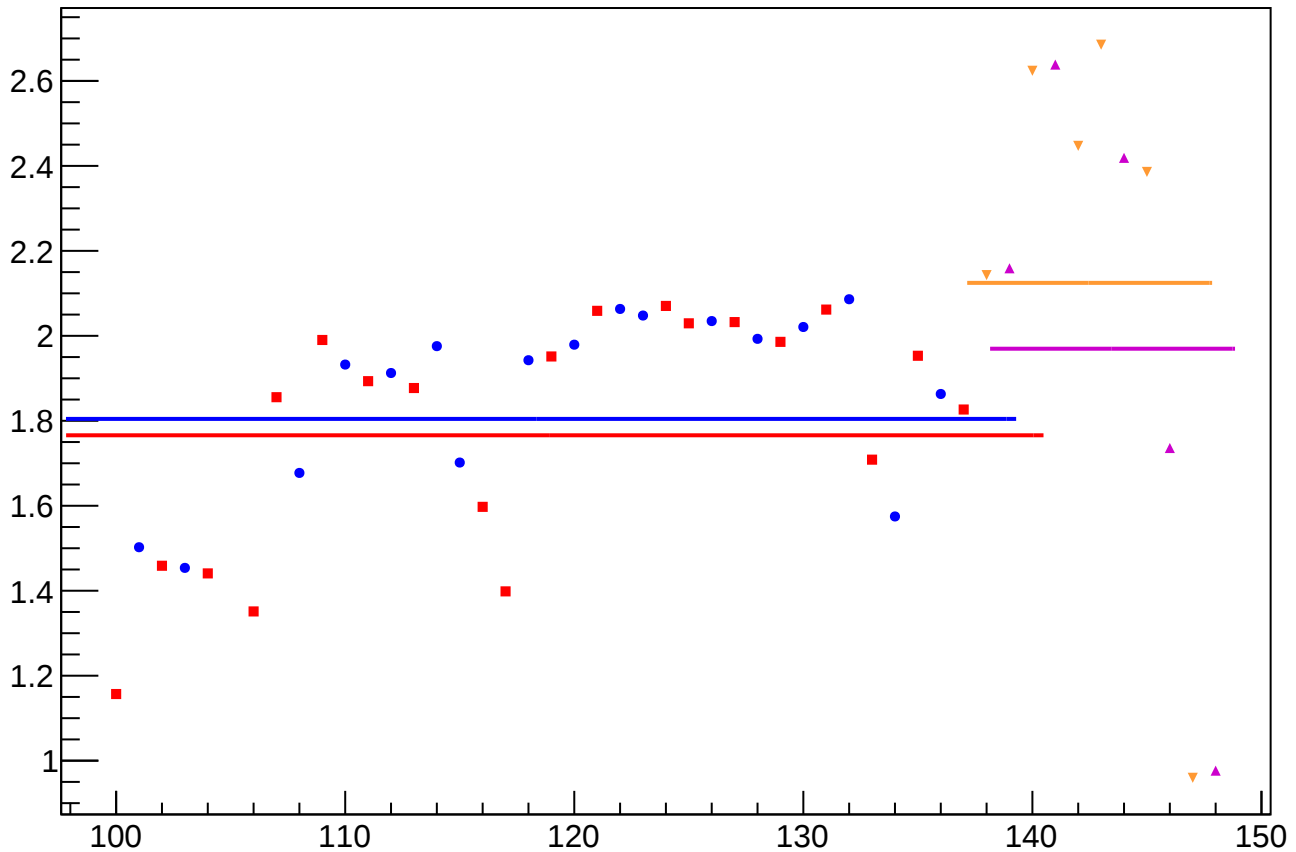
Left In: 0.086 $\pm$ 0.000 χ^2/NDF : 9731.3/4

0.087 $\pm$ 0.000 χ^2/NDF : 41567.5/22

0.087 $\pm$ 0.000 χ^2/NDF : 97340.1/47

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: 2.125 $\pm$ 0.000 χ^2/NDF : 10110657572.8/5

Right Out: 1.766 $\pm$ 0.000 χ^2/NDF : 1717275187.7/19

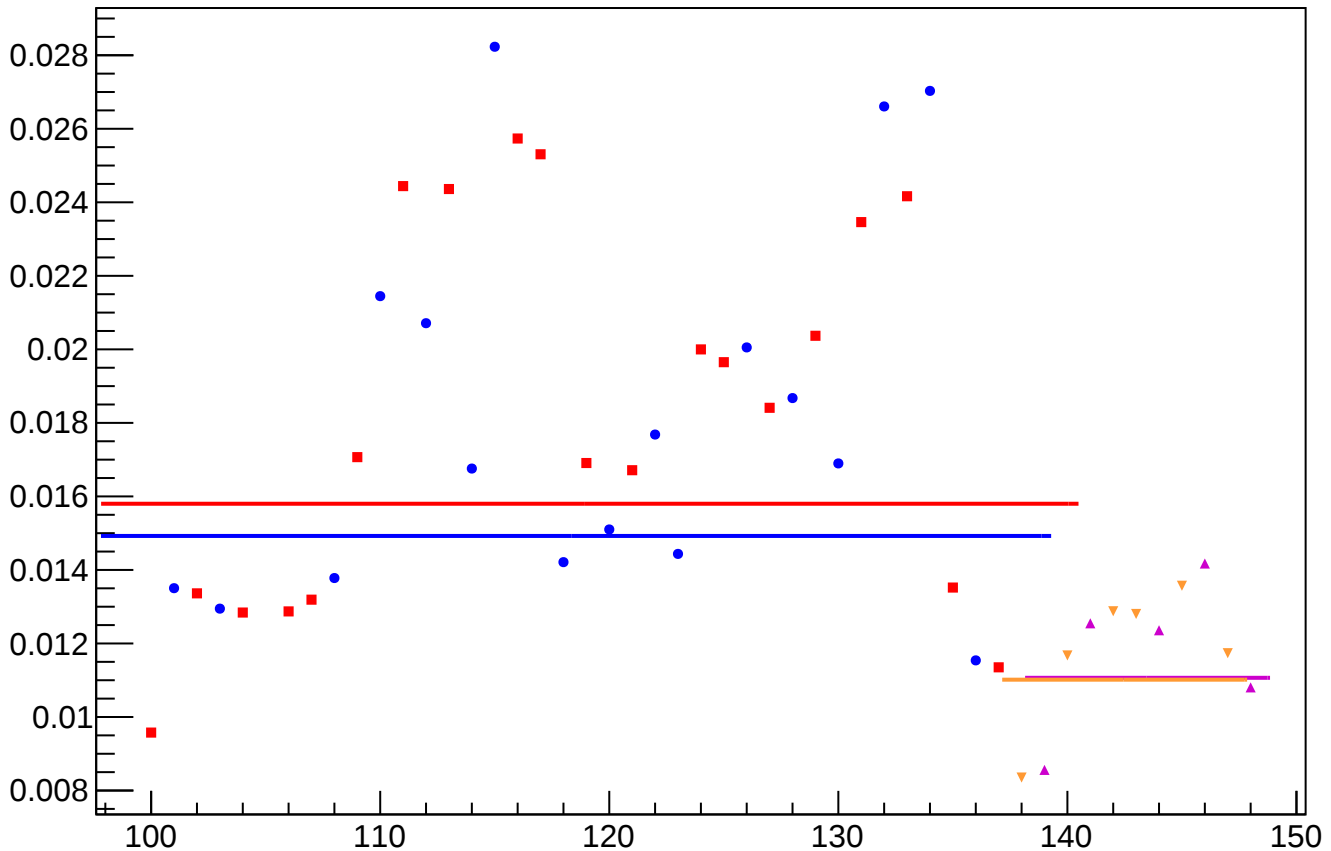
Left In: 1.970 $\pm$ 0.000 χ^2/NDF : 9979883208.1/4

1.976 $\pm$ 0.000 χ^2/NDF : 12688191192.2/22

1.927 $\pm$ 0.000 χ^2/NDF : 25203137900.4/4

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 : 240130.4/5

Right Out: 0.016 +/- 0.000 χ^2/NDF : 796839.8/19

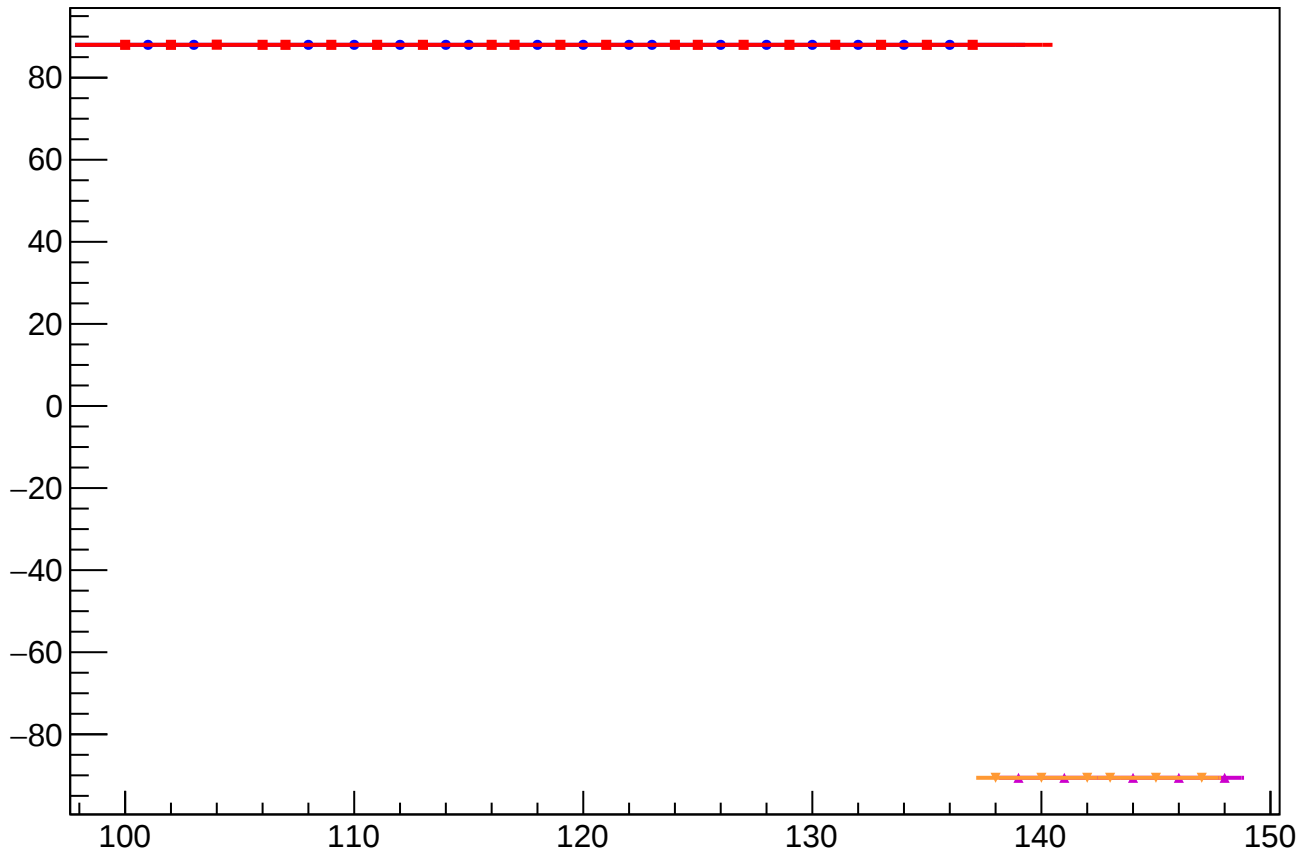
Left In: 0.011 +/- 0.000 χ^2/NDF : 214096.4/4

0.013 +/- 0.000 χ^2/NDF : 1307398.5/22

0.013 +/- 0.000 χ^2/NDF : 2915429.5/47

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 : 2817382.0/5

19.479+/-0.000 χ^2/NDF : 84931292998934223

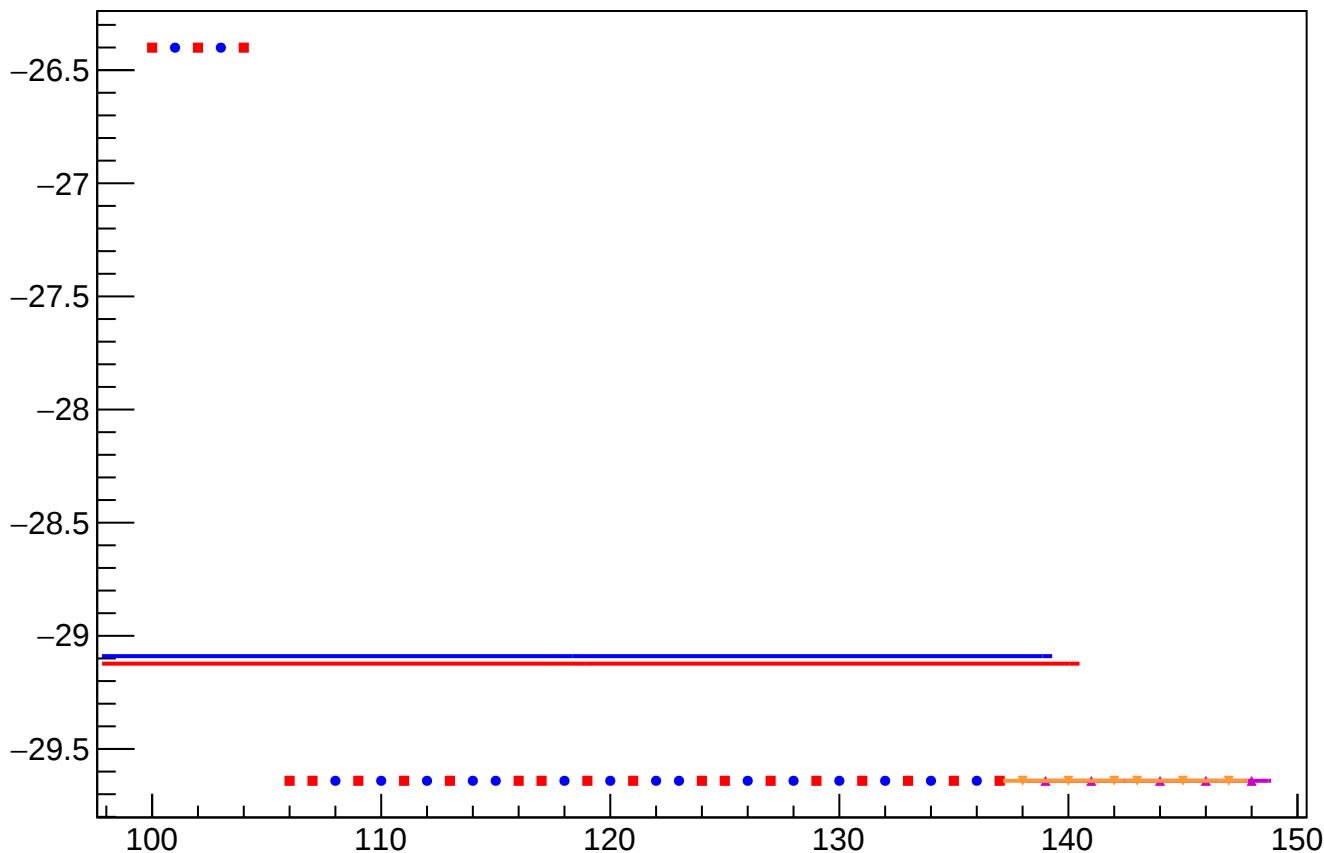
21.520+/-0.000 χ^2/NDF : 1686078581457

Right Out: 88.004+/-0.000 χ^2/NDF : 77578366411928007427611426816.0/19

23.543+/-0.000 χ^2/NDF : 83583177601642394

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 : 160170.3/5

Right Out: -29.123+/-0.000 χ^2/NDF : 1023154512396702254583444720844800.0/19

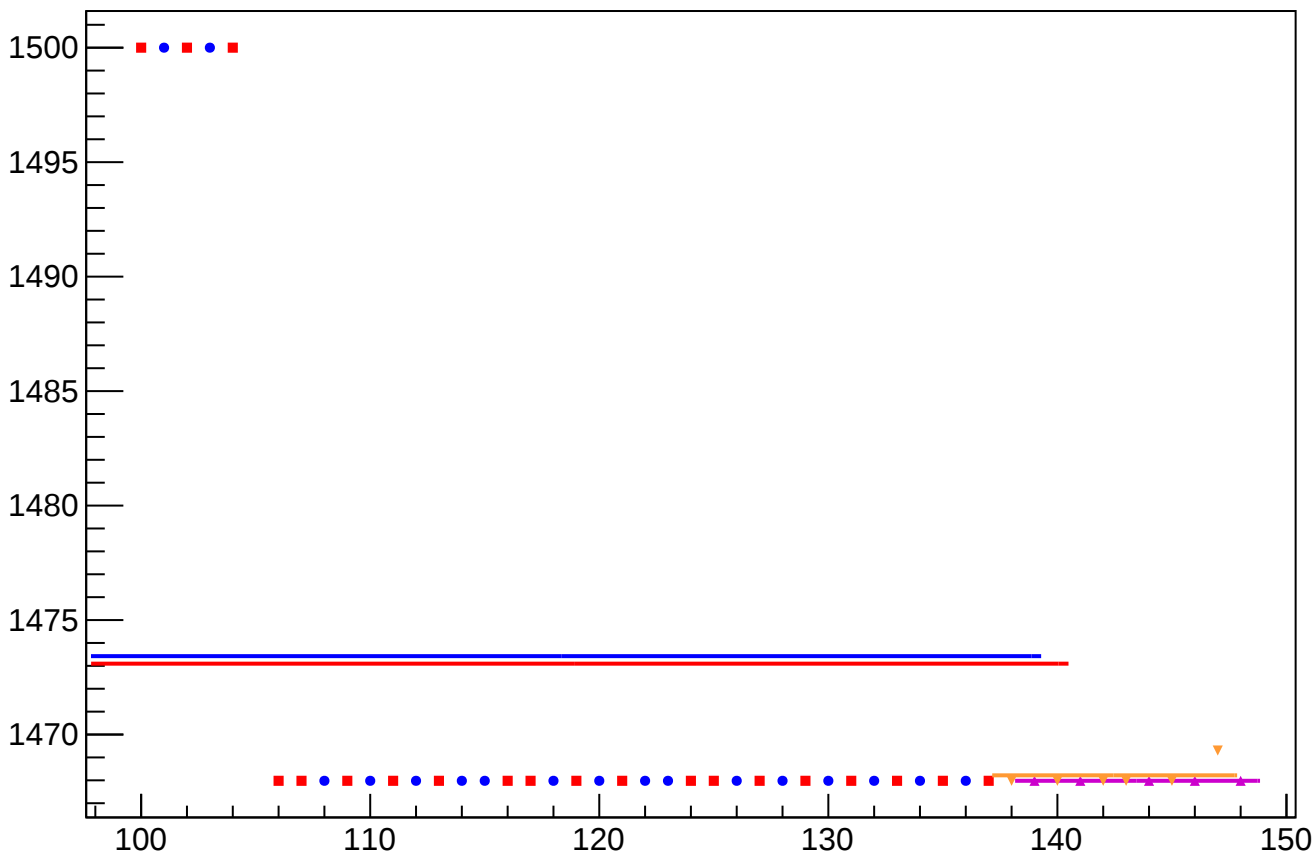
Left In: -29.641+/-0.000 χ^2/NDF : 28777.6/4

-29.301+/-0.000 χ^2/NDF : 11089045598579036

-29.306+/-0.000 χ^2/NDF : 220232408275

-29.310+/-0.000 χ^2/NDF : 10933767887323853

epics_psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1468.218+/-0.000 χ^2/NDF : 111742903373738728291750268370944.0/5

Right Out: 1473.096+/-0.000 χ^2/NDF : 99938310777099611815298348687032320.0/19

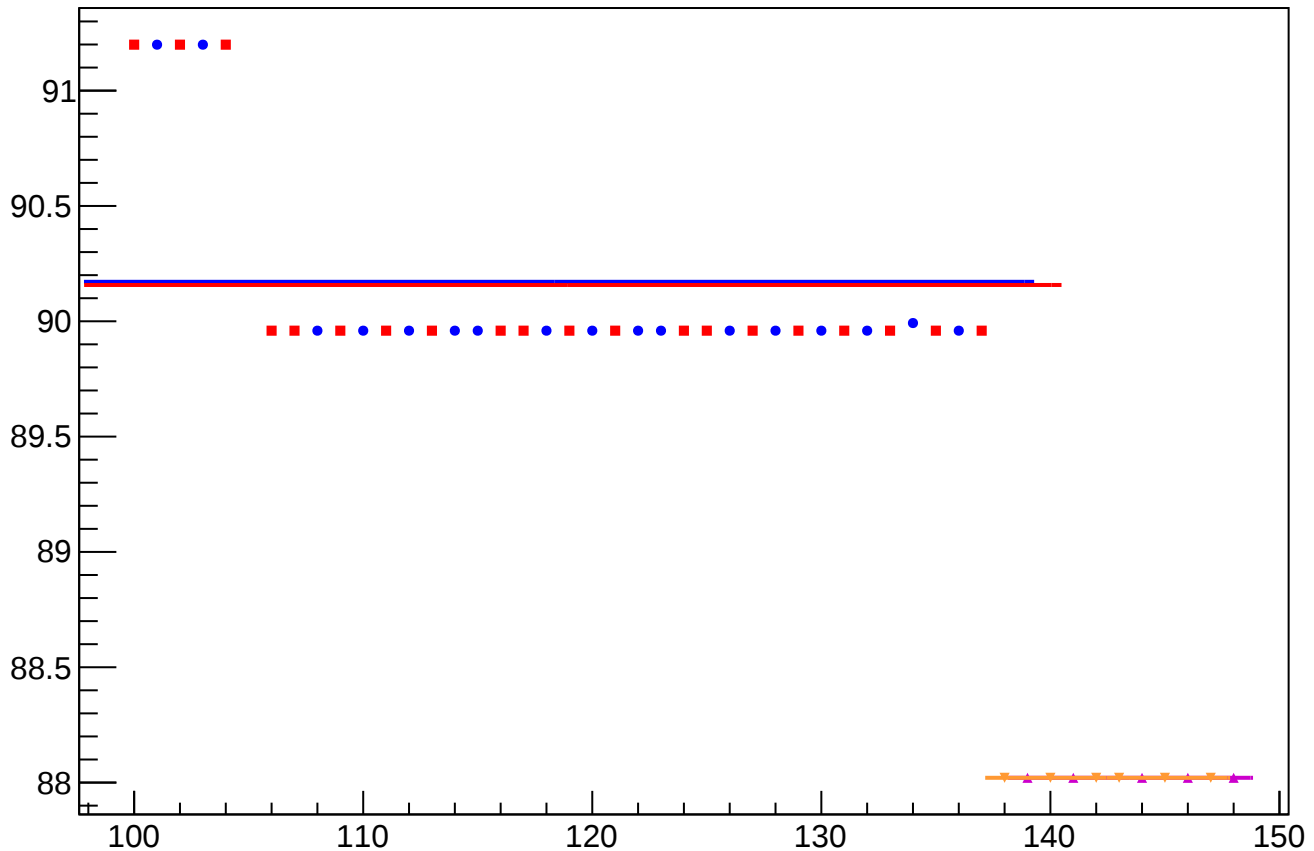
Left In: 1467.979+/-0.000 χ^2/NDF : 40790344.0/4

1471.427+/-0.000 χ^2/NDF : 1077488386254171

1471.337+/-0.000 χ^2/NDF : 21456404447

1471.249+/-0.000 χ^2/NDF : 1067973878674977

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 : 2545155.6/5

Right Out: 90.157+/-0.000 χ^2/NDF : 149863052341628336344772108091392.0/19

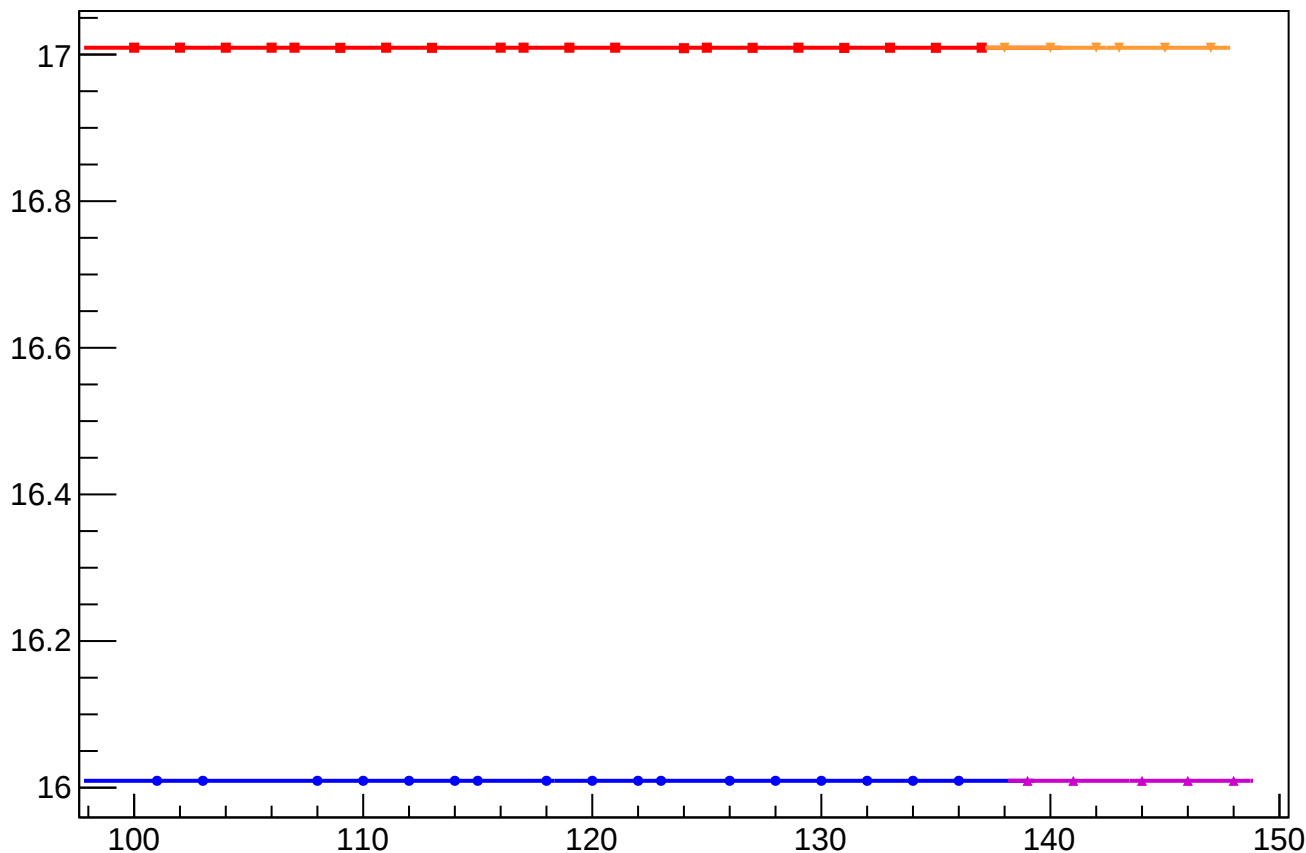
Left In: 88.021+/-0.000 χ^2/NDF : 855857.3/4

89.346+/-0.000 χ^2/NDF : 138159245844447754

89.366+/-0.000 χ^2/NDF : 2728659973265

89.386+/-0.000 χ^2/NDF : 134615607021077500

epics_IGL1I00DI24_24Ms_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF : 44327.7/16

Left Out: 17.009+/-0.000 χ^2/NDF : 1057236091048120589221888.0/5

Right Out: 17.009+/-0.000 χ^2/NDF : 12548783366686740957888512.0/19

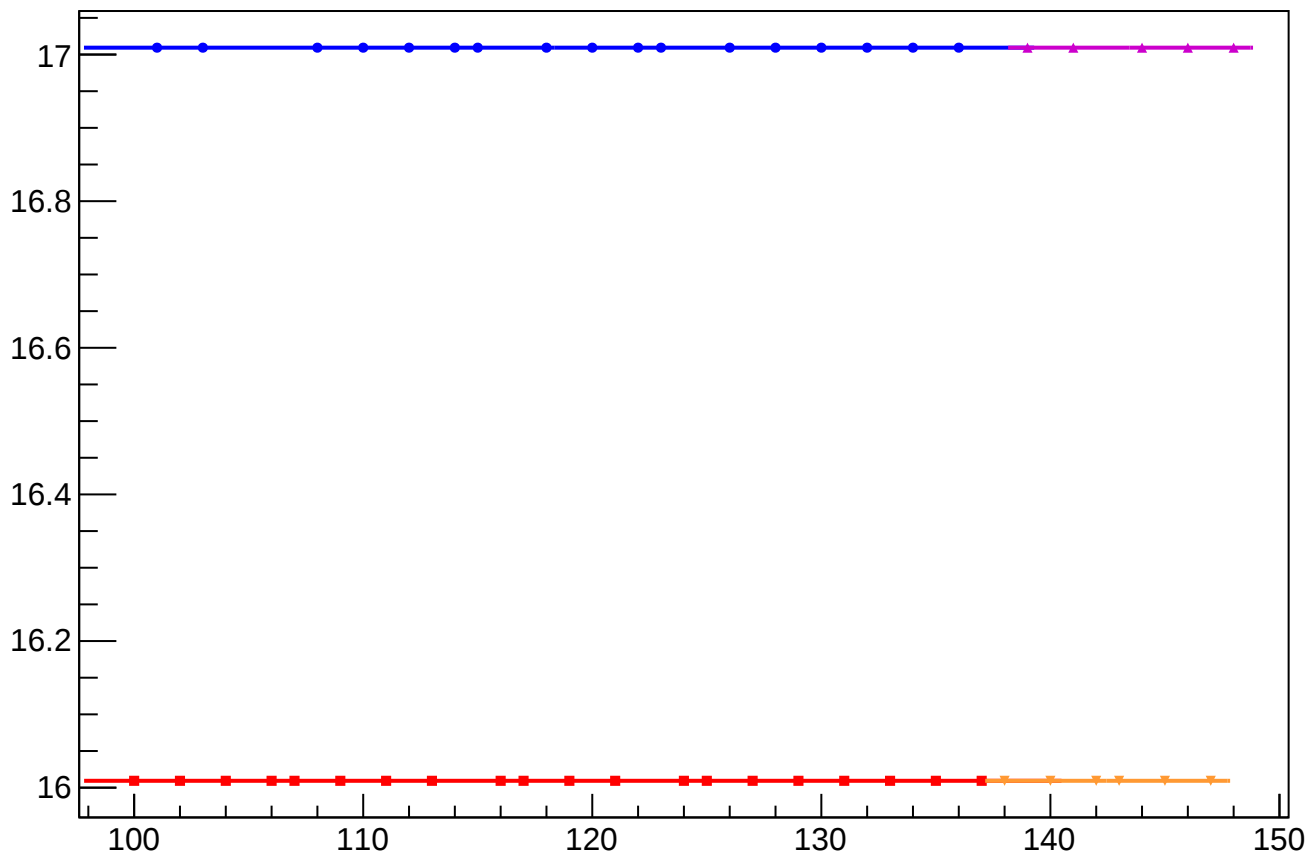
Left In: 16.009+/-0.000 χ^2/NDF : 19803.6/4

16.378+/-0.000 χ^2/NDF : 244161808300251507

16.508+/-0.000 χ^2/NDF : 5241328704655

16.637+/-0.000 χ^2/NDF : 244822235439545143

epics_IGL1I00OD16_16s_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF : 132629.6/16

Left Out: 16.009+/-0.000 χ^2/NDF : 25950.4/5

Right Out: 16.009+/-0.000 χ^2/NDF : 42750.0/19

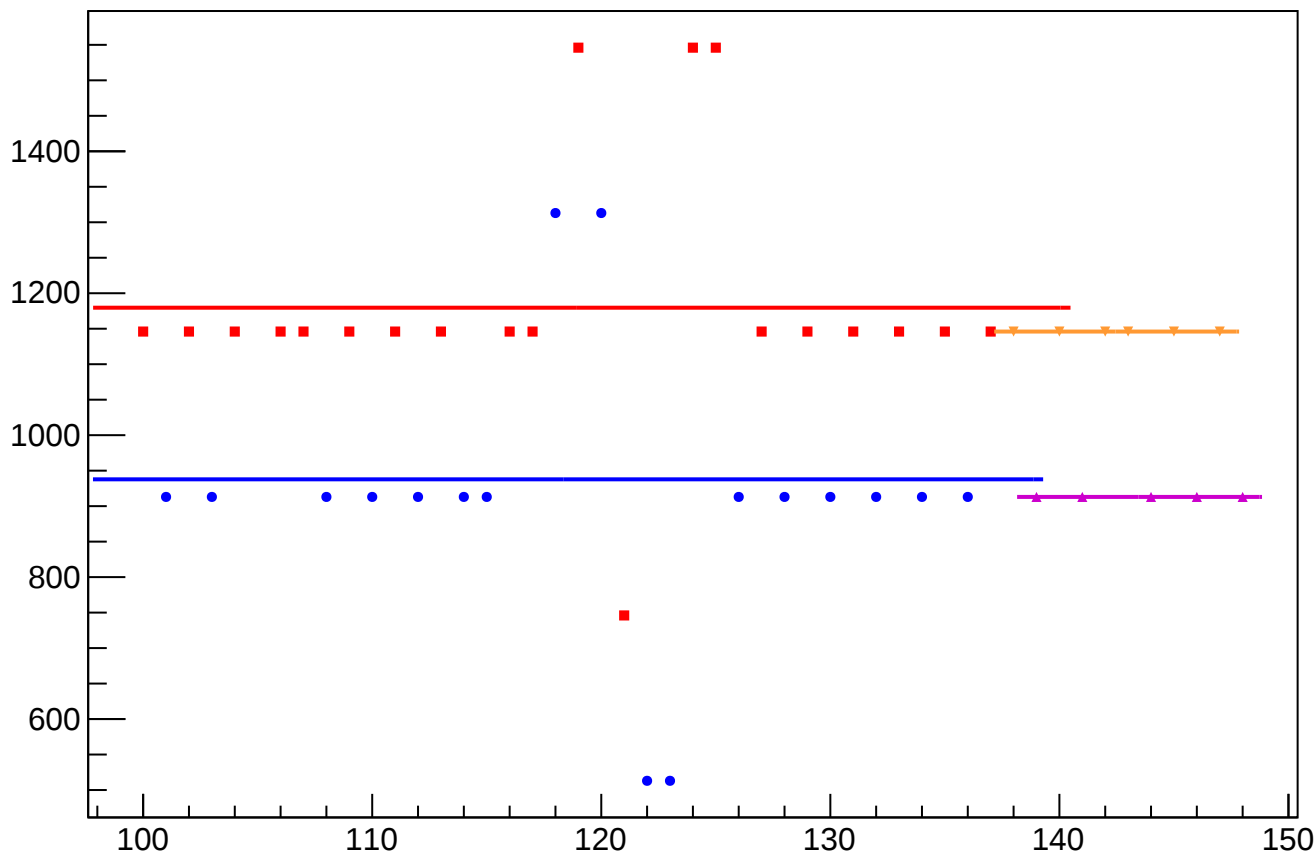
Left In: 17.009+/-0.000 χ^2/NDF : 9870.2/4

16.619+/-0.000 χ^2/NDF : 25846040515653250/1

16.493+/-0.000 χ^2/NDF : 5531810383746/1

16.373+/-0.000 χ^2/NDF : 26110717449067712/1

epics_RTPAPOSUCNTs_mean vs Slug, Sign Corrected



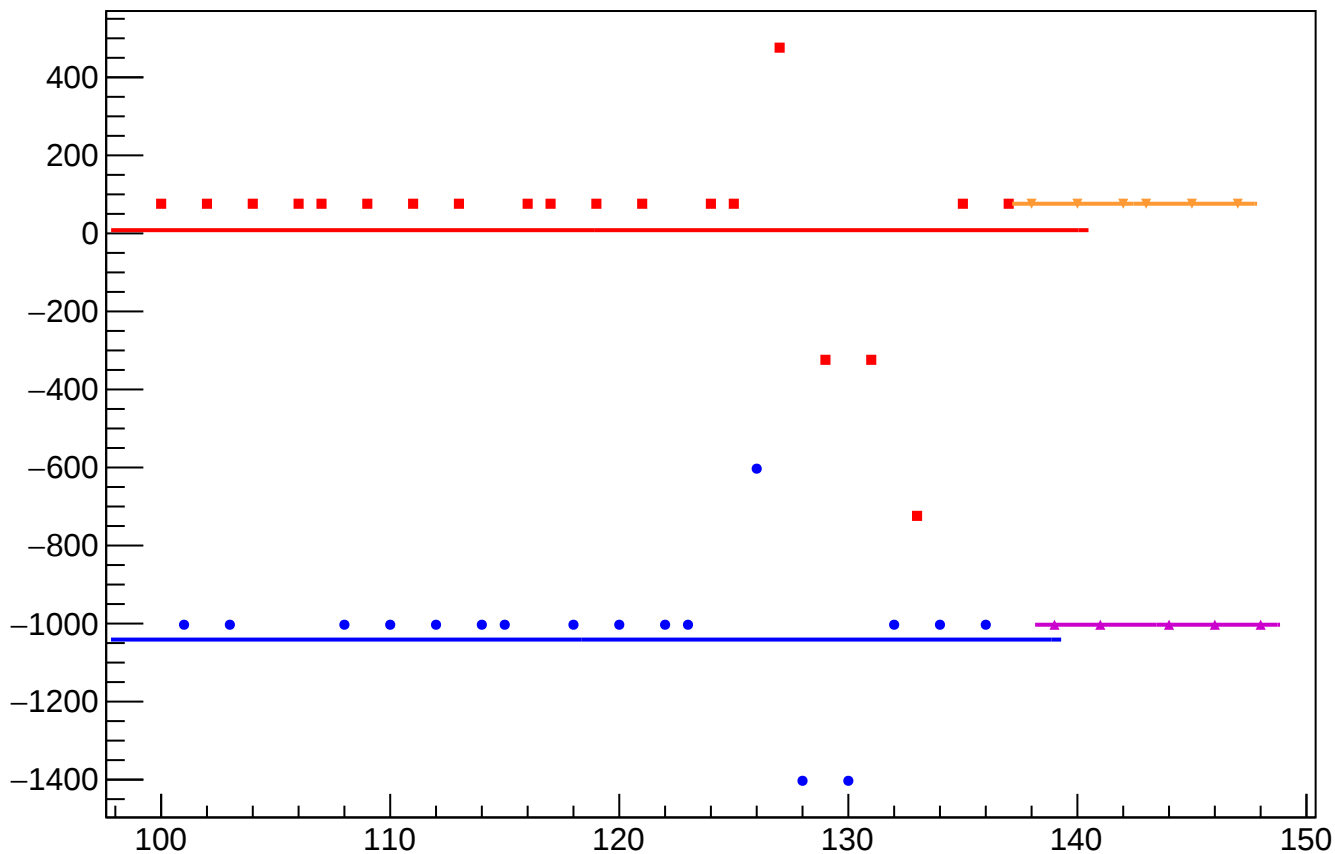
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.011+/-0.000 χ^2/NDF : 1551425447580748425432399872.0/5

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 : 2546716917690925150690607104.0/5
 Right Out: 8.240+/-0.000 χ^2/NDF : 43865391744972338137265798243810279424.0/19
 Left In: -1002.989+/-0.000 χ^2/NDF : 656940044501477242787856384.0/4