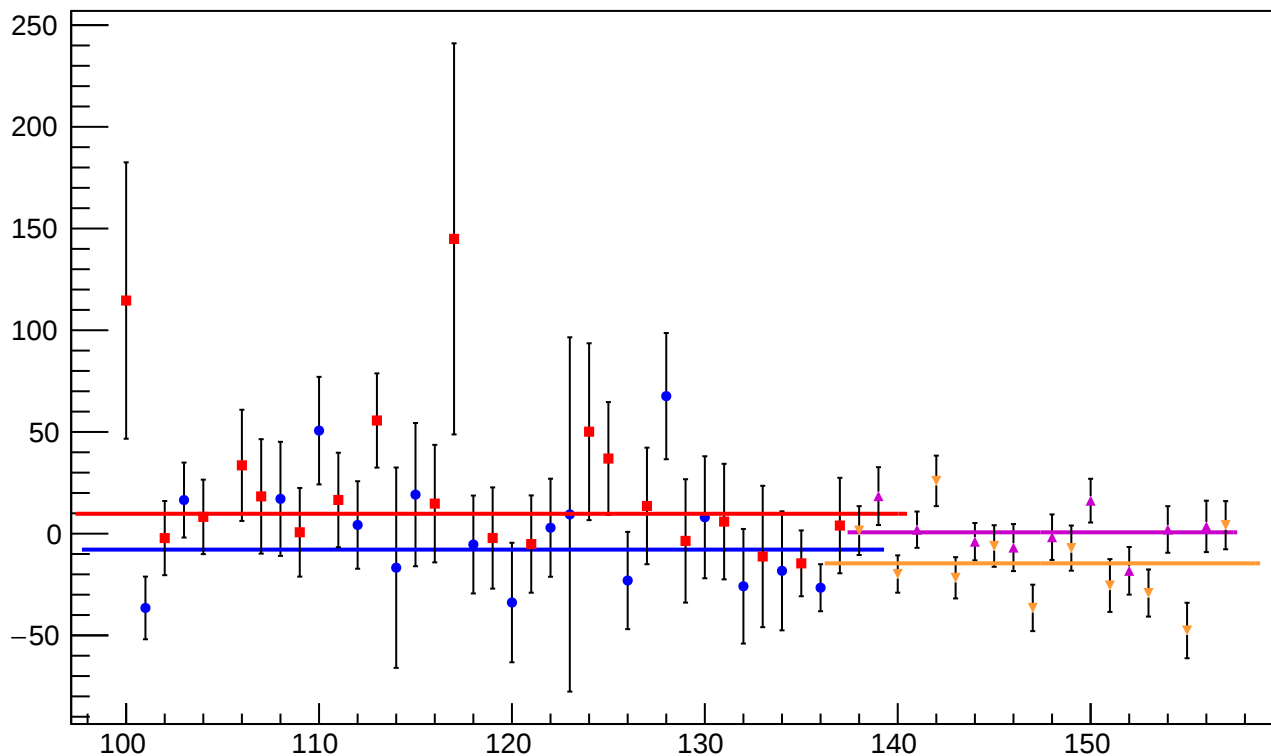


diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.841 ± 5.608

χ^2/NDF : 22.6/16

Left Out: -14.591 ± 3.404

χ^2/NDF : 28.8/10

Right Out: 9.781 ± 5.667

χ^2/NDF : 15.2/19

Left In: 0.661 ± 3.659

χ^2/NDF : 7.1/8

-12.774 ± 2.910

χ^2/NDF : 52.5/27

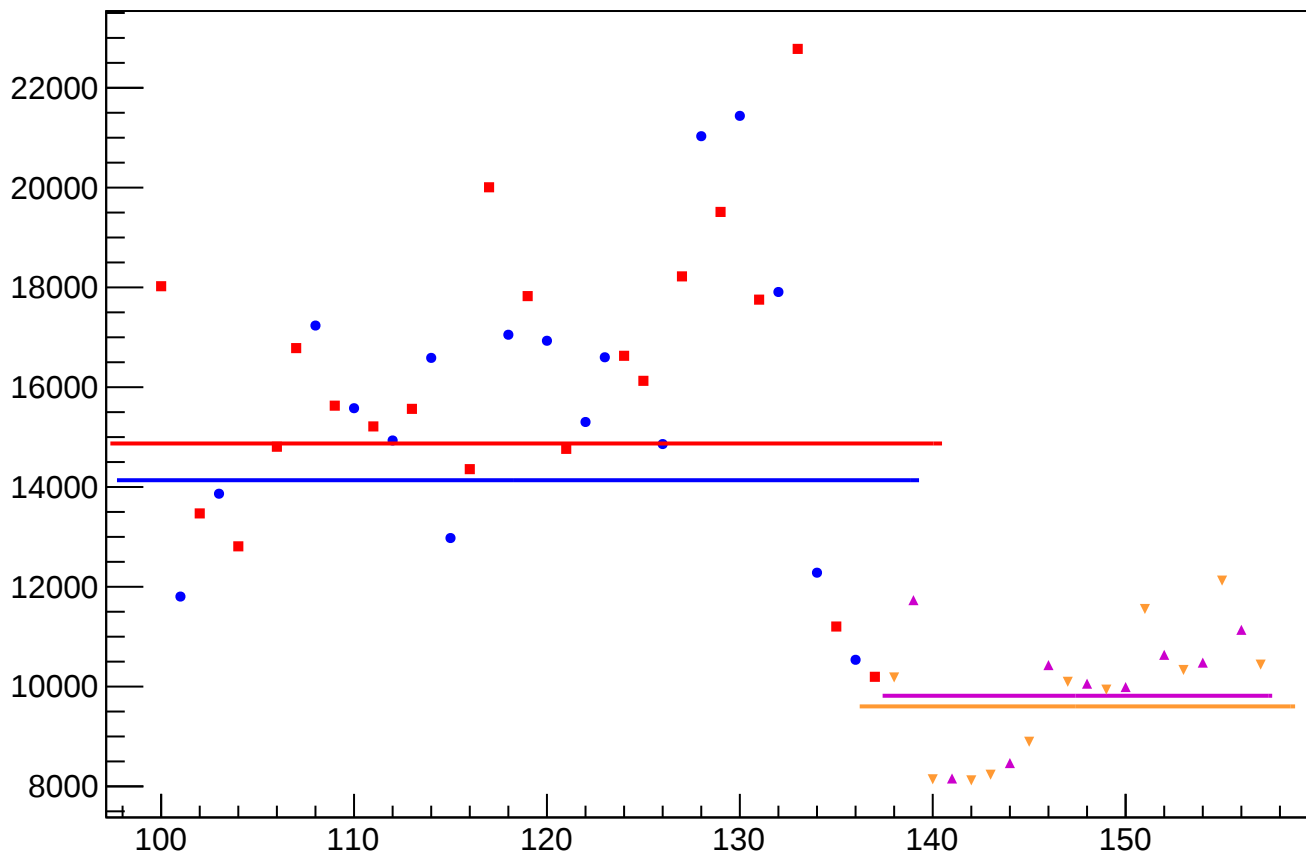
-5.156 ± 2.113

χ^2/NDF : 91.1/56

3.344 ± 3.074

χ^2/NDF : 24.1/28

diff_bpm4aX_rms vs Slug, Sign Corrected



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

Left Out: 9602.822+/-2.407 χ^2/NDF : 267014.7/10

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

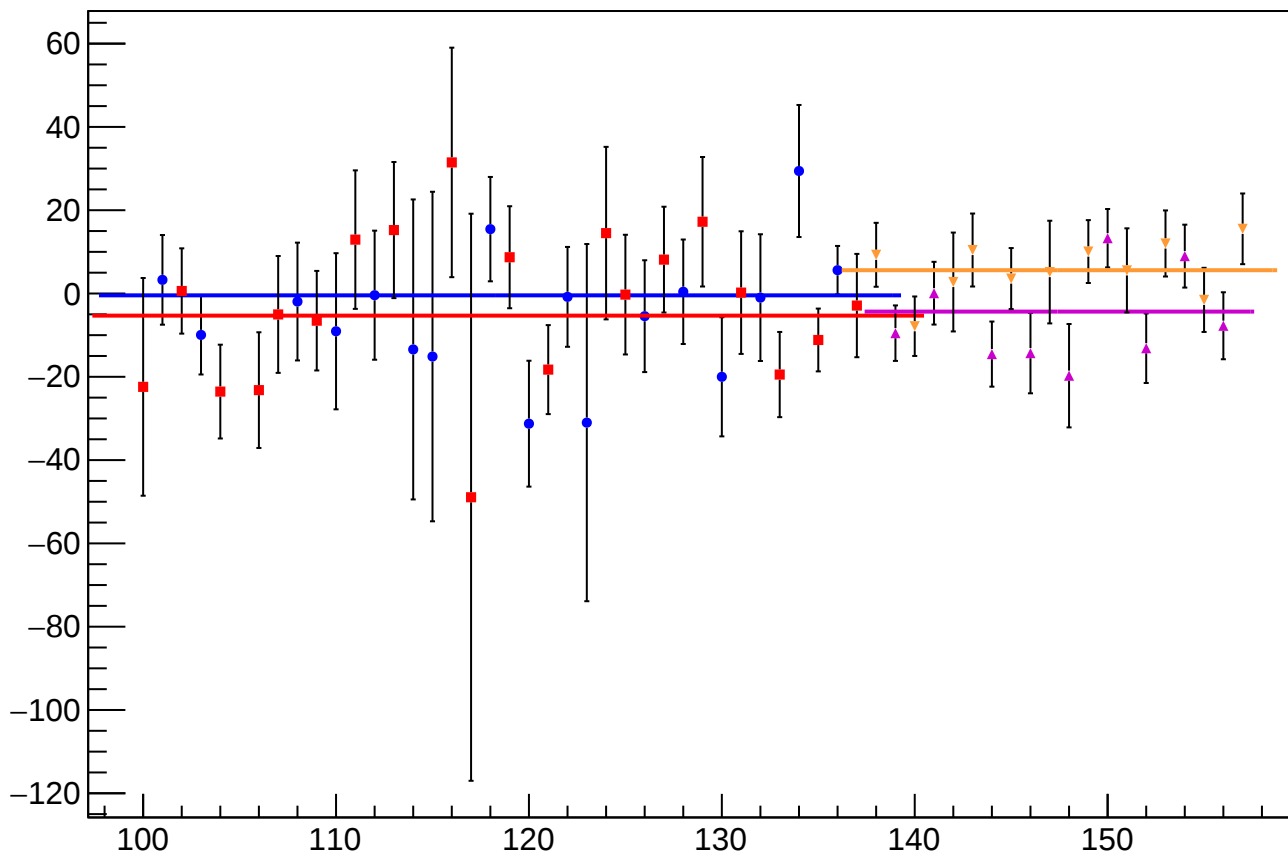
Left In: 9816.004+/-2.587 χ^2/NDF : 194161.5/8

10823.375+/-2.058 χ^2/NDF : 1818954.3/27

11050.295+/-1.494 χ^2/NDF : 3640037.4/5

11303.481+/-2.174 χ^2/NDF : 1795355.4/28

diff_bpm4aY_mean vs Slug, Sign Corrected



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

Left Out: 5.594 ± 2.532 χ^2/NDF : 7.5/10

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

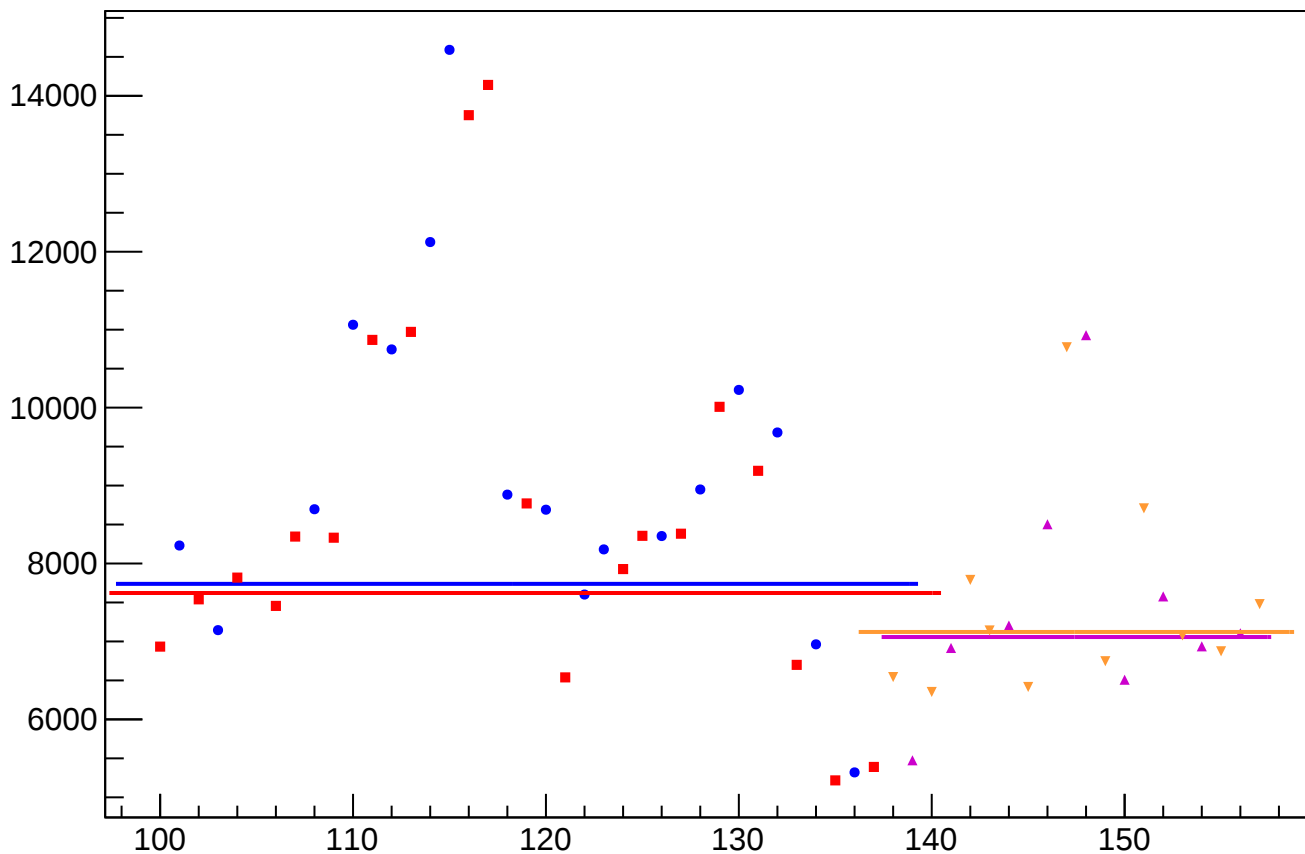
Left In: -4.343 ± 2.659 χ^2/NDF : 16.0/8

3.152 ± 1.954 χ^2/NDF : 24.3/27

-0.781 ± 1.387 χ^2/NDF : 68.3/56

-4.779 ± 1.970 χ^2/NDF : 35.8/28

diff_bpm4aY_rms vs Slug, Sign Corrected



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

Left Out: 7121.709 $\pm$ 1.791 χ^2 /NDF:295188.2/10

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

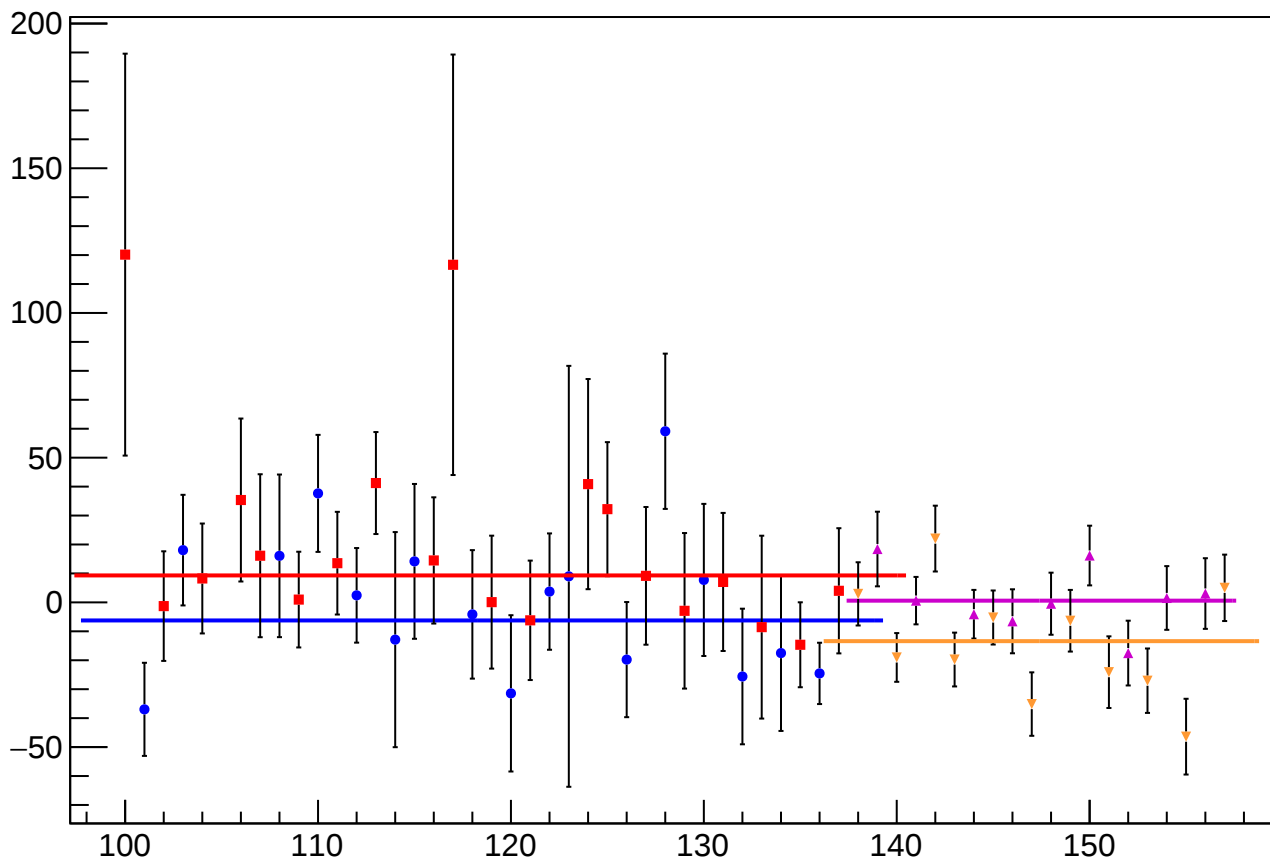
Left In: 7056.698 $\pm$ 1.880 χ^2 /NDF:374482.7/8

7371.493 $\pm$ 1.381 χ^2 /NDF: 1084108.8/27

7341.754 $\pm$ 0.981 χ^2 /NDF: 2197806.6/56

7311.522 $\pm$ 1.393 χ^2 /NDF: 1112763.3/28

diff_bpm4eX_mean vs Slug, Sign Corrected



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

Left Out: -13.398 ± 3.187 χ^2/NDF : 29.2/10

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

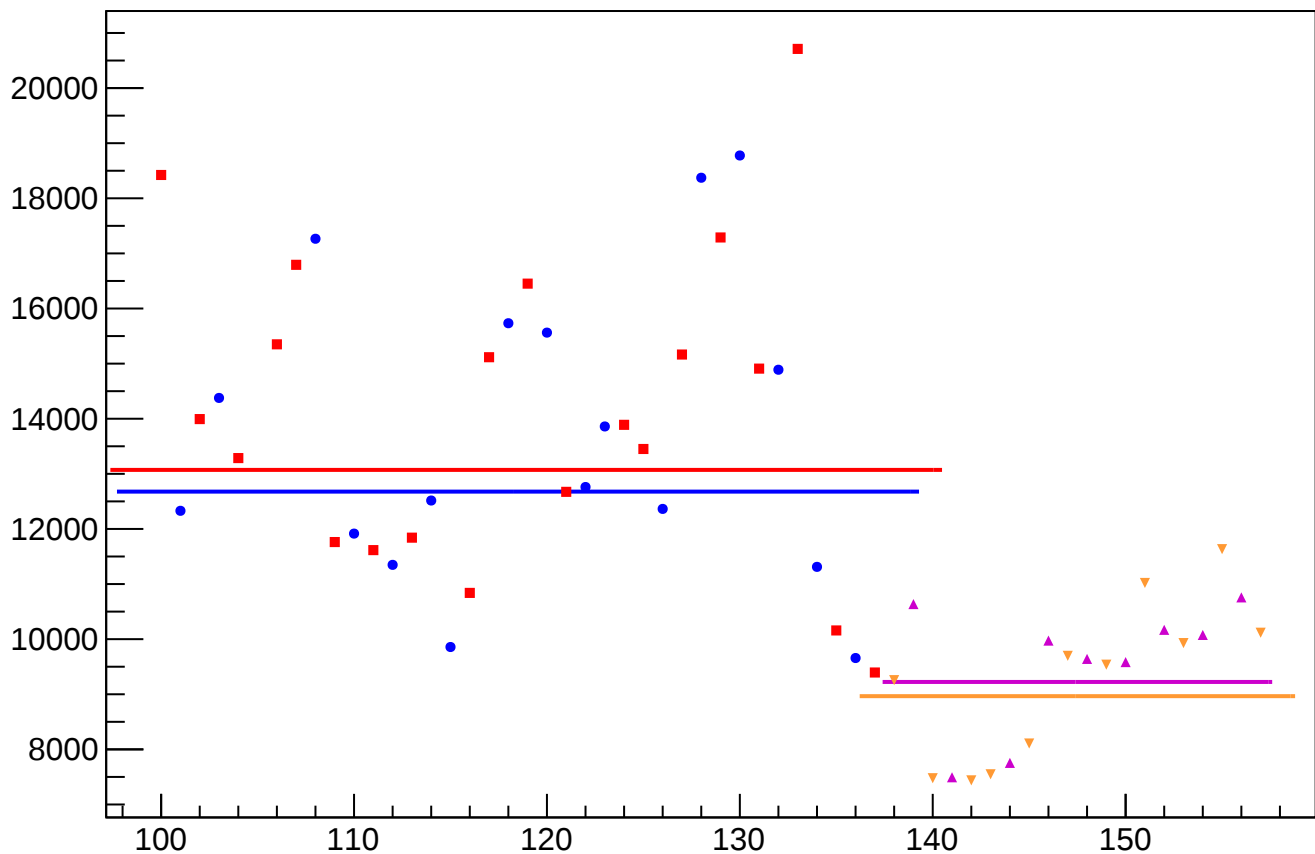
Left In: 0.590 ± 3.444 χ^2/NDF : 7.6/8

-11.341 ± 2.690 χ^2/NDF : 53.8/27

-4.351 ± 1.951 χ^2/NDF : 93.1/56

3.406 ± 2.834 χ^2/NDF : 25.0/28

diff_bpm4eX_rms vs Slug, Sign Corrected



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

Left Out: 8965.555 $\pm$ 2.254 χ^2/NDF : 351441.8/10

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

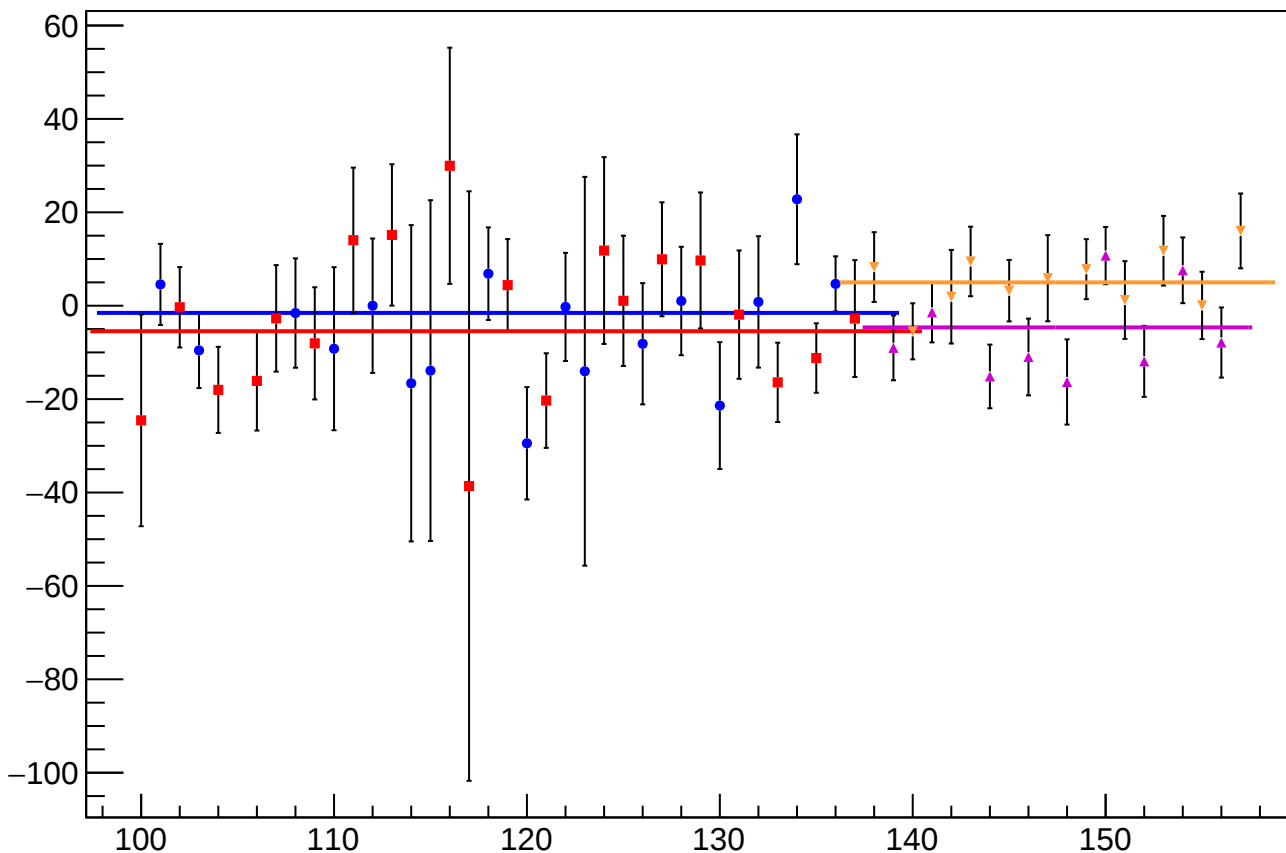
Left In: 9223.566 $\pm$ 2.435 χ^2/NDF : 246861.5/8

10032.877 $\pm$ 1.902 χ^2/NDF : 1684969.2/27

10238.208 $\pm$ 1.380 χ^2/NDF : 3261514.0/5

10466.052 $\pm$ 2.004 χ^2/NDF : 1551969.2/28

diff_bpm4eY_mean vs Slug, Sign Corrected



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

Left Out: 4.998 $\pm$ 2.236 χ^2 /NDF: 7.4/10

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

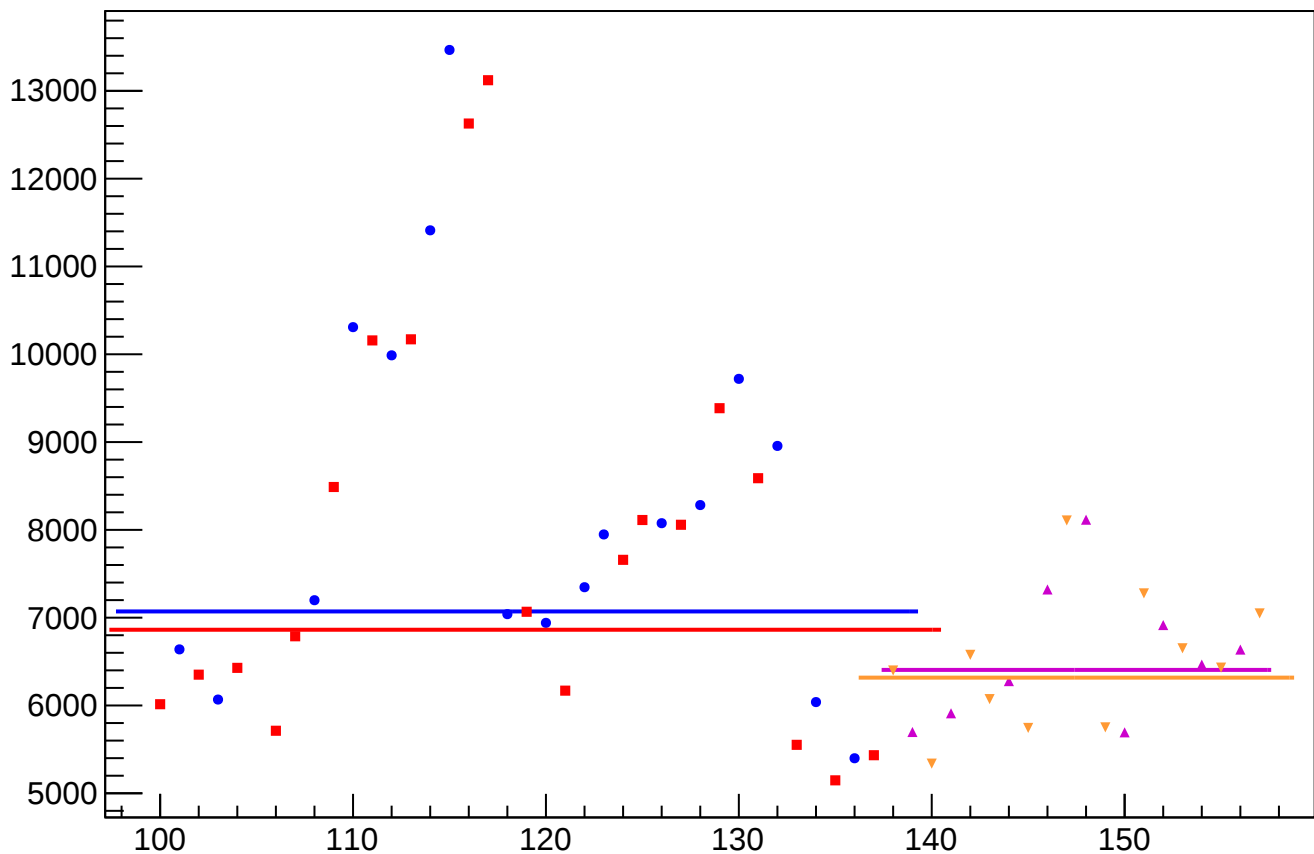
Left In: -4.645 $\pm$ 2.390 χ^2 /NDF: 15.7/8

2.442 $\pm$ 1.745 χ^2 /NDF: 25.5/27

-1.230 $\pm$ 1.243 χ^2 /NDF: 69.1/56

-5.014 $\pm$ 1.771 χ^2 /NDF: 34.6/28

diff_bpm4eY_rms vs Slug, Sign Corrected



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

Left Out: 6317.165 $\pm$ 1.581 χ^2/NDF : 210868.6/10

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

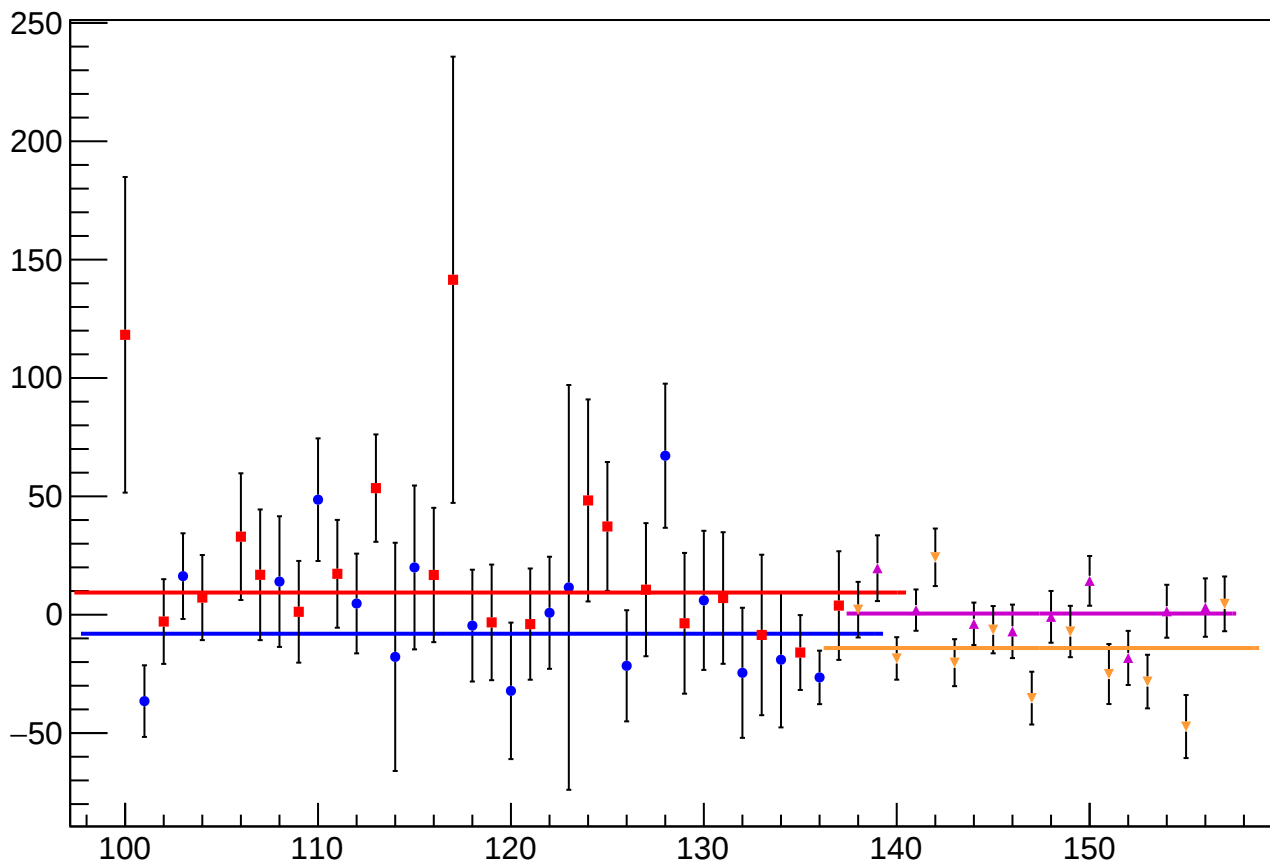
Left In: 6405.151 $\pm$ 1.690 χ^2/NDF : 166360.5/8

6611.946 $\pm$ 1.234 χ^2/NDF : 900518.6/27

6611.682 $\pm$ 0.879 χ^2/NDF : 1804009.4/56

6611.409 $\pm$ 1.252 χ^2/NDF : 903490.7/28

diff_bpm4acX_mean vs Slug, Sign Corrected



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

Left Out: -14.076 $\pm$ 3.328 χ^2/NDF : 28.2/10

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

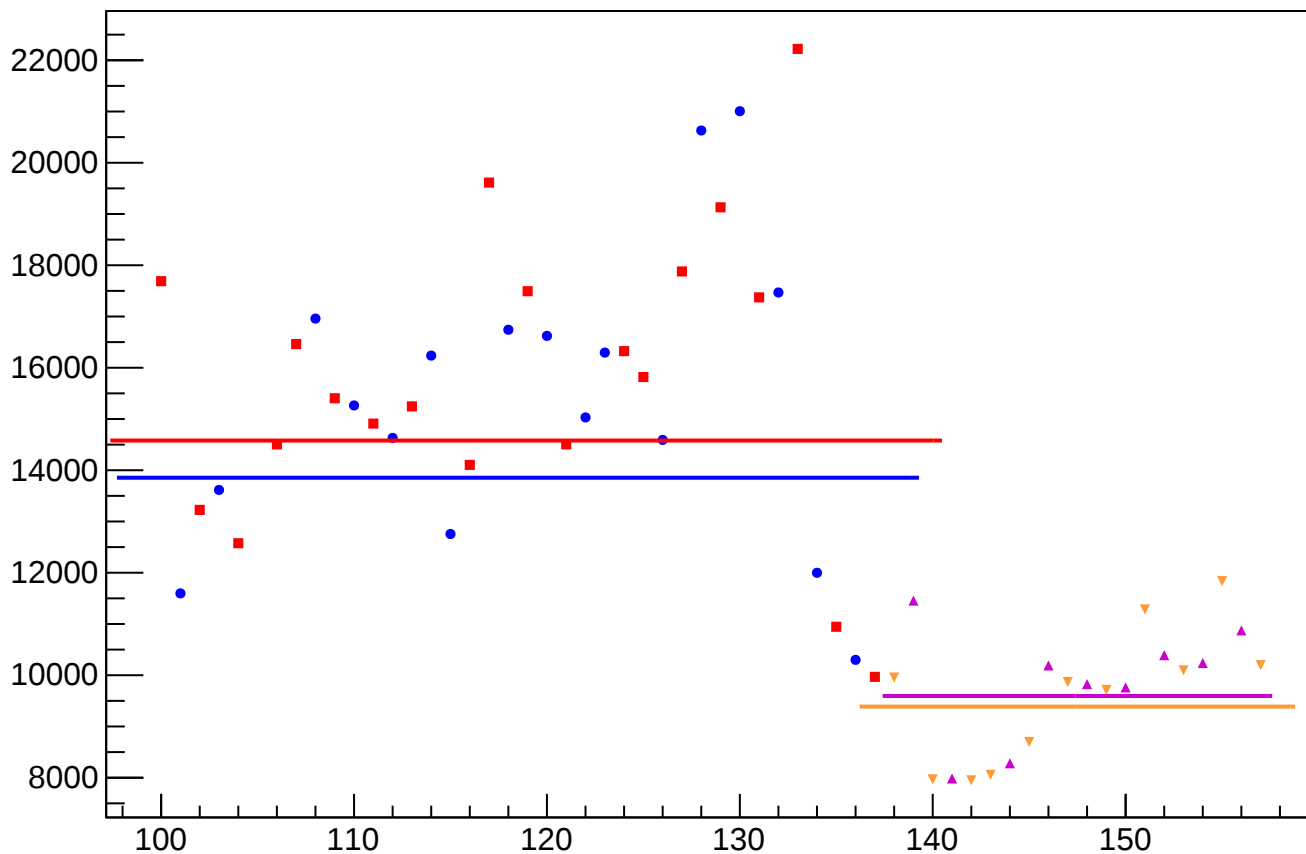
Left In: 0.493 $\pm$ 3.576 χ^2/NDF : 7.1/8

-12.456 $\pm$ 2.847 χ^2/NDF : 51.7/27

-5.107 $\pm$ 2.067 χ^2/NDF : 90.3/56

3.092 $\pm$ 3.007 χ^2/NDF : 24.5/28

diff_bpm4acX_rms vs Slug, Sign Corrected



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

Left Out: 9388.907 $\pm$ 2.353 χ^2/NDF : 263795.9/10

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

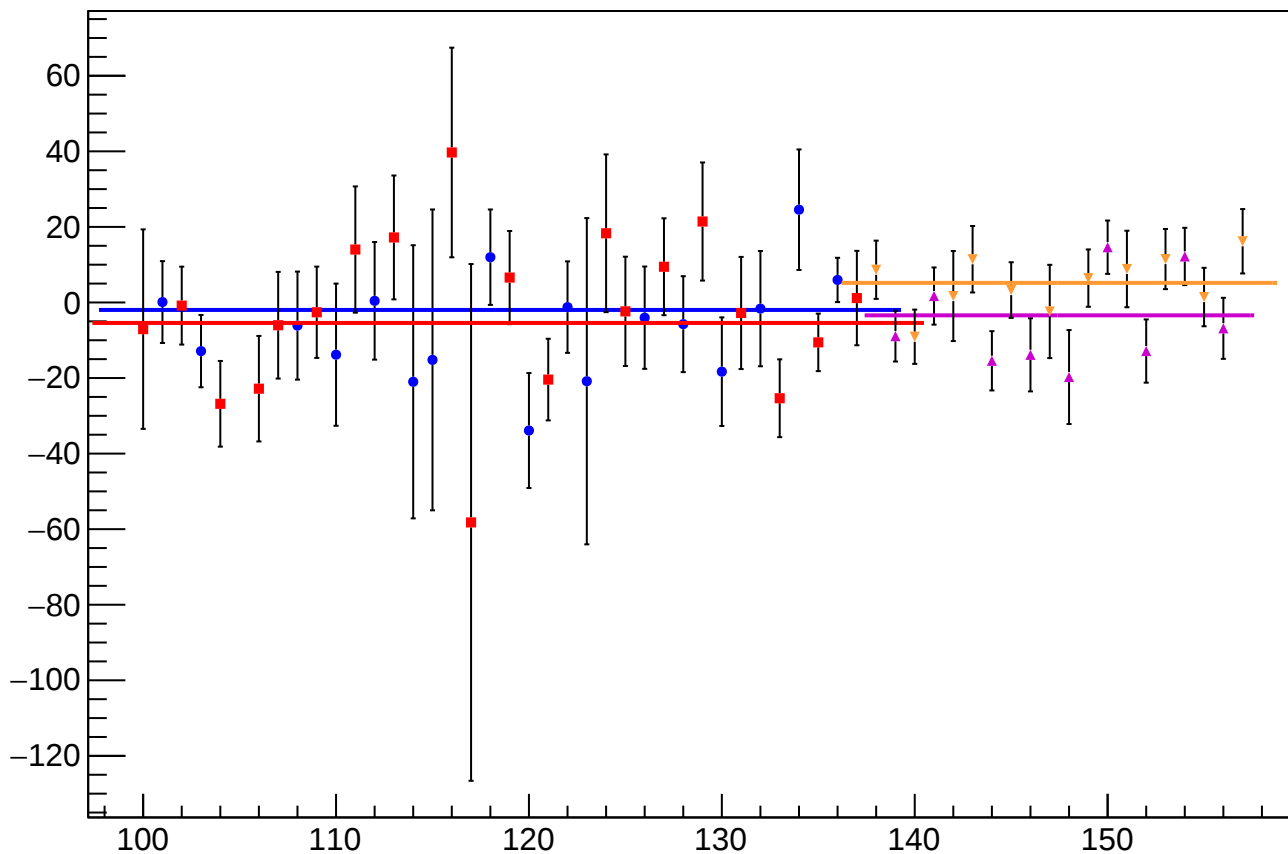
Left In: 9595.289 $\pm$ 2.529 χ^2/NDF : 191619.9/8

10586.472 $\pm$ 2.013 χ^2/NDF : 1830387.8/27

10808.078 $\pm$ 1.462 χ^2/NDF : 3665691.1/5

11055.341 $\pm$ 2.126 χ^2/NDF : 1809664.4/28

diff_bpm4acY_mean vs Slug, Sign Corrected



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

Left Out: 5.183+/-2.543 χ^2/NDF : 7.9/10

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

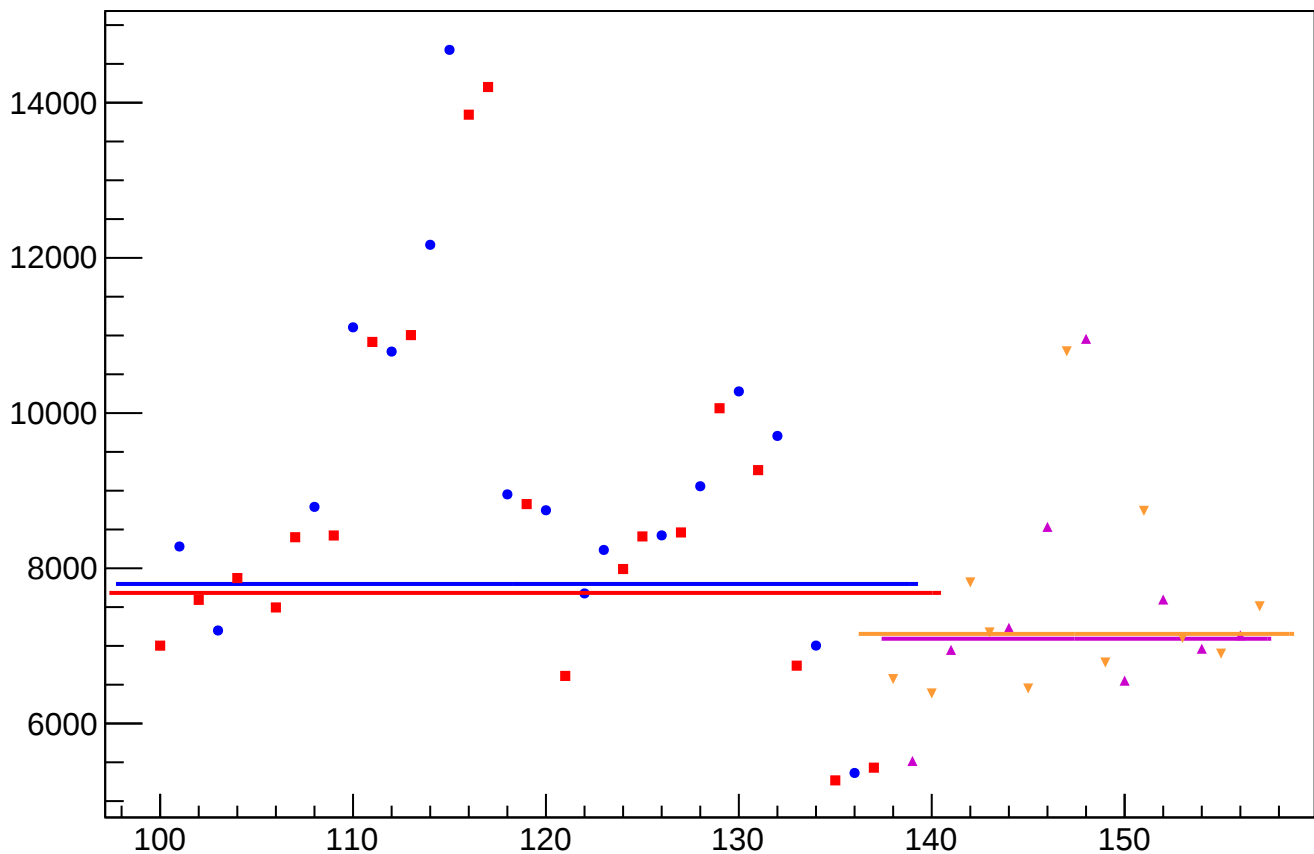
Left In: -3.409+/-2.671 χ^2/NDF : 18.6/8

2.295+/-1.965 χ^2/NDF : 25.1/27

-0.980+/-1.395 χ^2/NDF : 74.4/56

-4.312+/-1.982 χ^2/NDF : 43.7/28

diff_bpm4acY_rms vs Slug, Sign Corrected



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

Left Out: 7154.634 $\pm$ 1.798 χ^2 /NDF: 292163.7/10

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

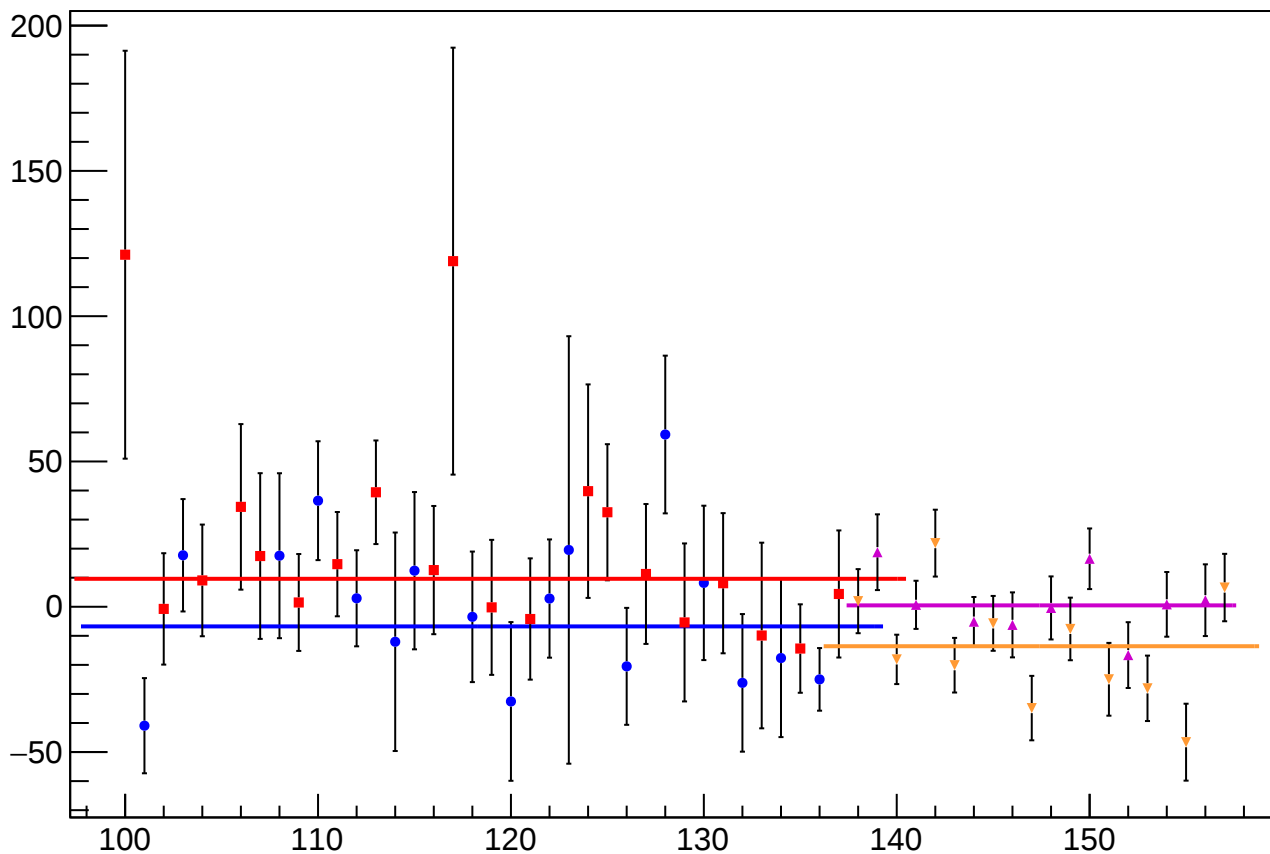
Left In: 7092.239 $\pm$ 1.889 χ^2 /NDF: 368740.5/8

7414.183 $\pm$ 1.389 χ^2 /NDF: 1080096.8/27

7386.204 $\pm$ 0.987 χ^2 /NDF: 2184501.1/56

7357.736 $\pm$ 1.401 χ^2 /NDF: 1103586.0/28

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.760 ± 5.085 $\chi^2/\text{NDF}: 23.7/16$

Left Out: -13.580 ± 3.222 $\chi^2/\text{NDF}: 28.7/10$

Right Out: 9.622 ± 5.058 $\chi^2/\text{NDF}: 14.5/19$

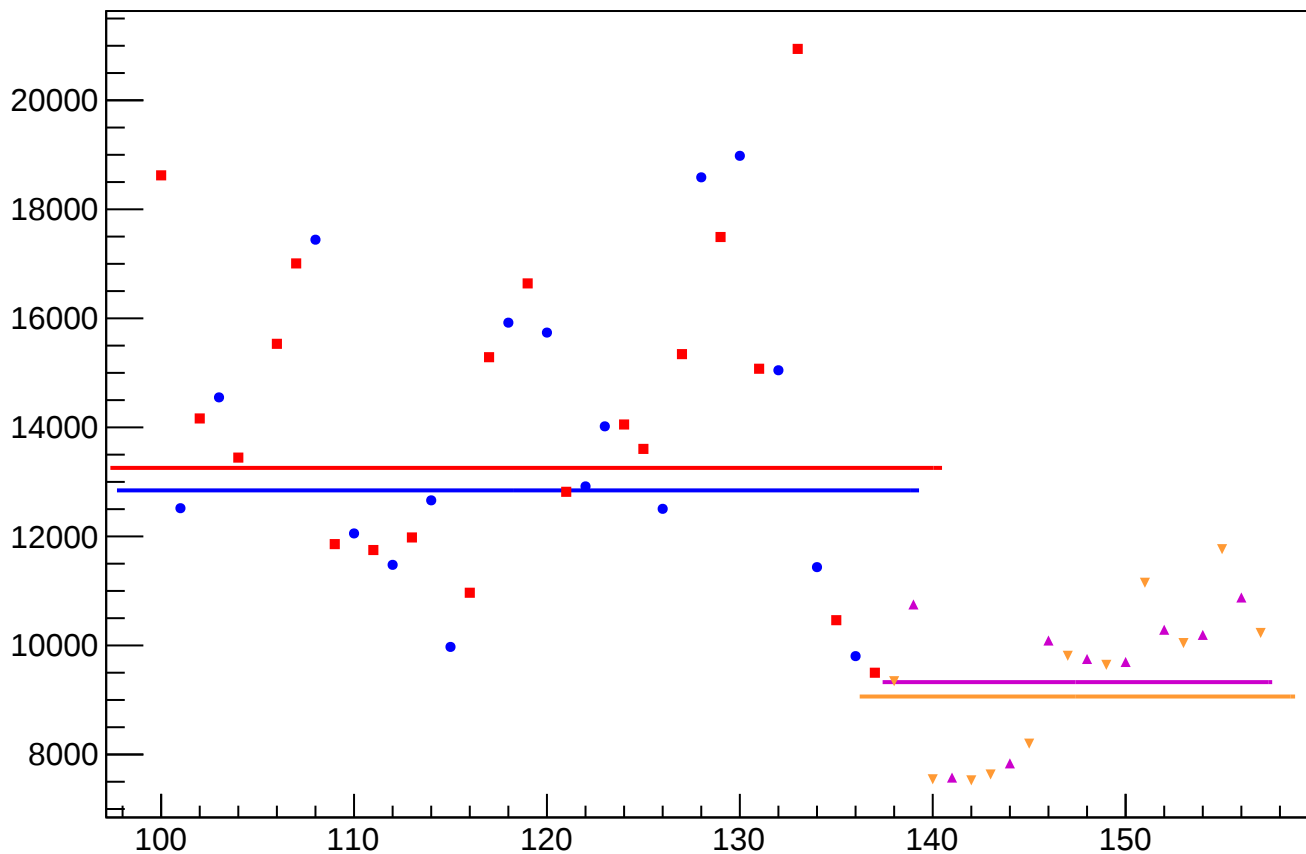
Left In: 0.477 ± 3.483 $\chi^2/\text{NDF}: 7.4/8$

-11.626 ± 2.722 $\chi^2/\text{NDF}: 53.6/27$

-4.499 ± 1.975 $\chi^2/\text{NDF}: 92.2/56$

3.418 ± 2.869 $\chi^2/\text{NDF}: 24.1/28$

diff_bpm4ecX_rms vs Slug, Sign Corrected



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

Left Out: 9063.185 +/- 2.279 χ^2/NDF : 353060.1/10

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

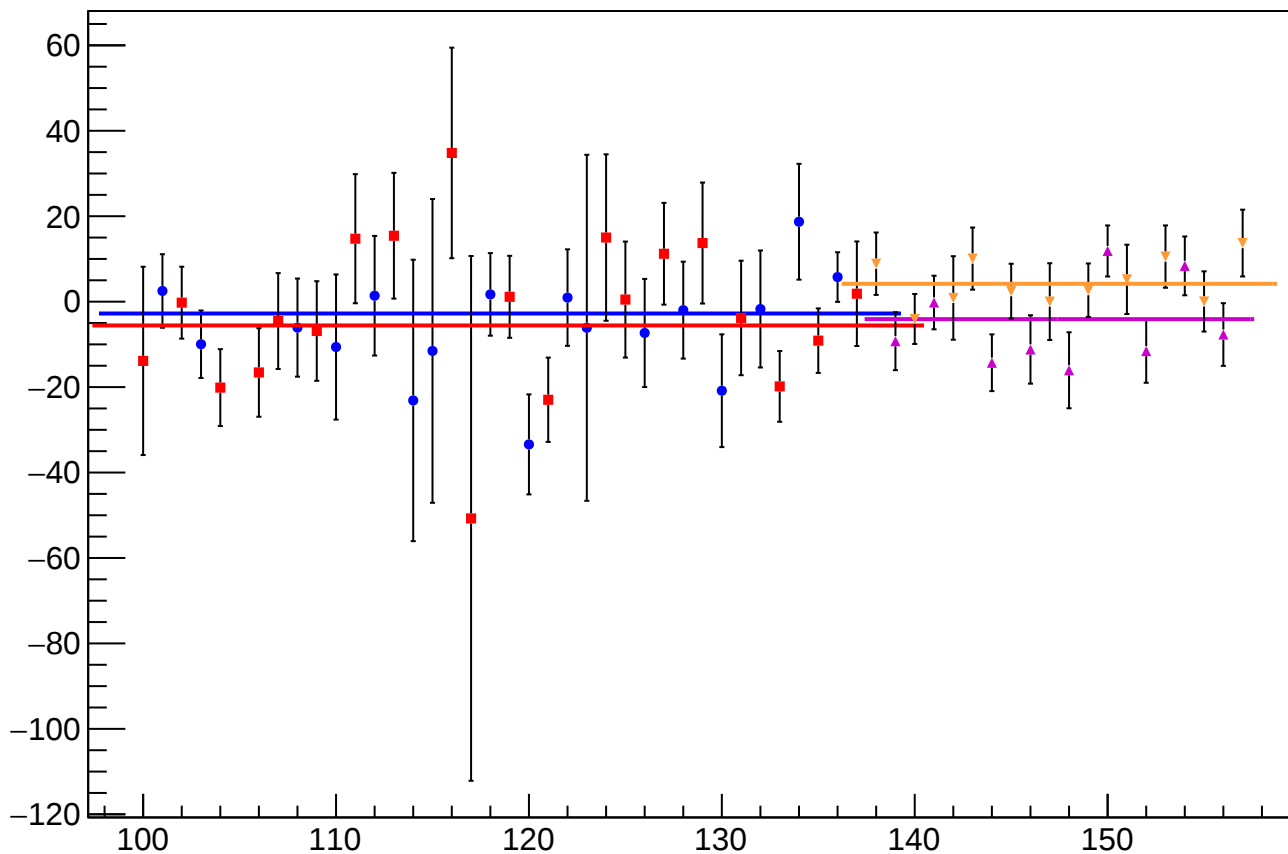
Left In: 9327.325 +/- 2.463 χ^2/NDF : 247885.9/8

10146.607 +/- 1.925 χ^2/NDF : 1689405.7/27

10357.218 +/- 1.396 χ^2/NDF : 3268359.5/5

10591.188 +/- 2.029 χ^2/NDF : 1553675.0/28

diff_bpm4ecY_mean vs Slug, Sign Corrected



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

Left Out: 4.186 ± 2.182 χ^2/NDF : 6.1/10

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

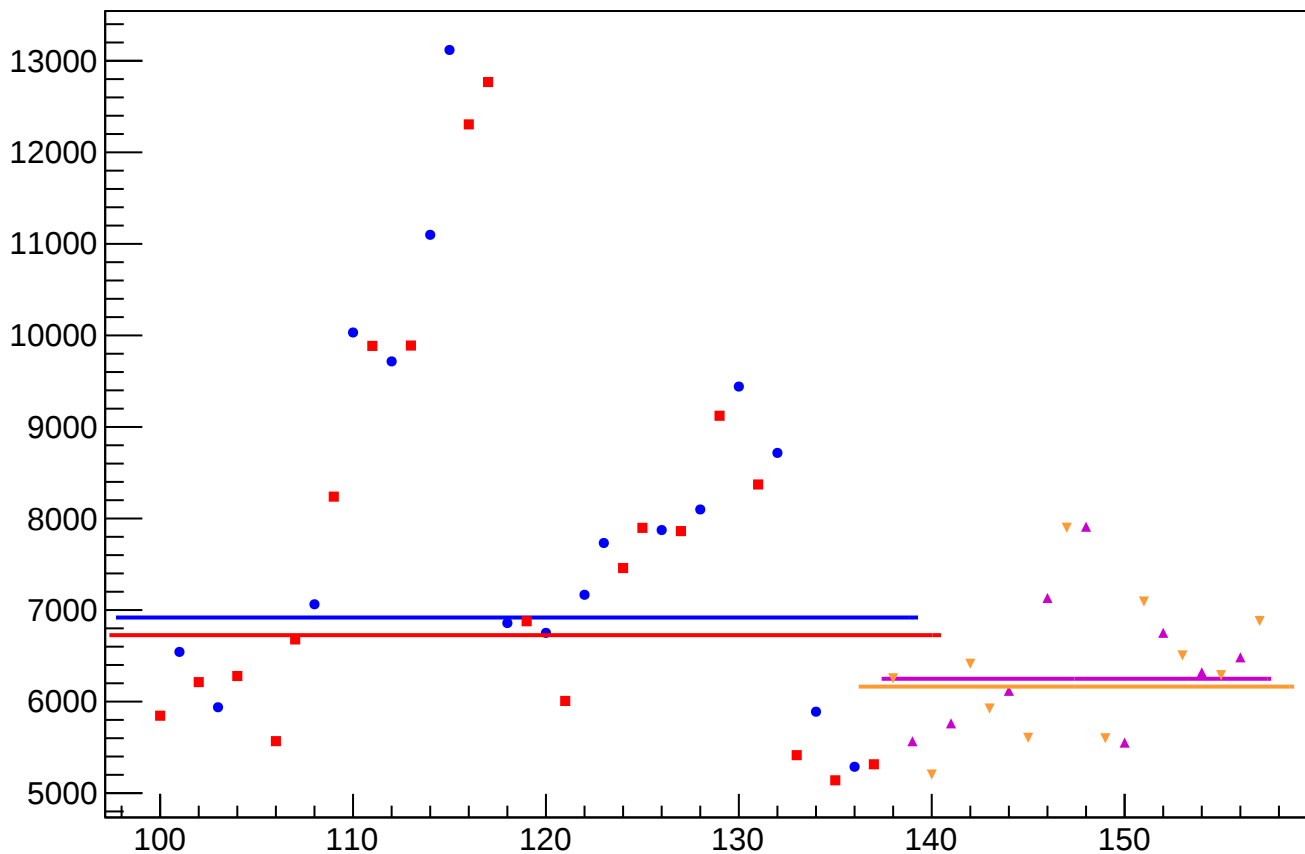
Left In: -4.090 ± 2.332 χ^2/NDF : 17.6/8

1.475 ± 1.705 χ^2/NDF : 26.0/27

-1.591 ± 1.215 χ^2/NDF : 74.0/56

-4.754 ± 1.732 χ^2/NDF : 41.5/28

diff_bpm4ecY_rms vs Slug, Sign Corrected



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

Left Out: 6163.639 $\pm$ 1.543 χ^2 /NDF:211841.1/10

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

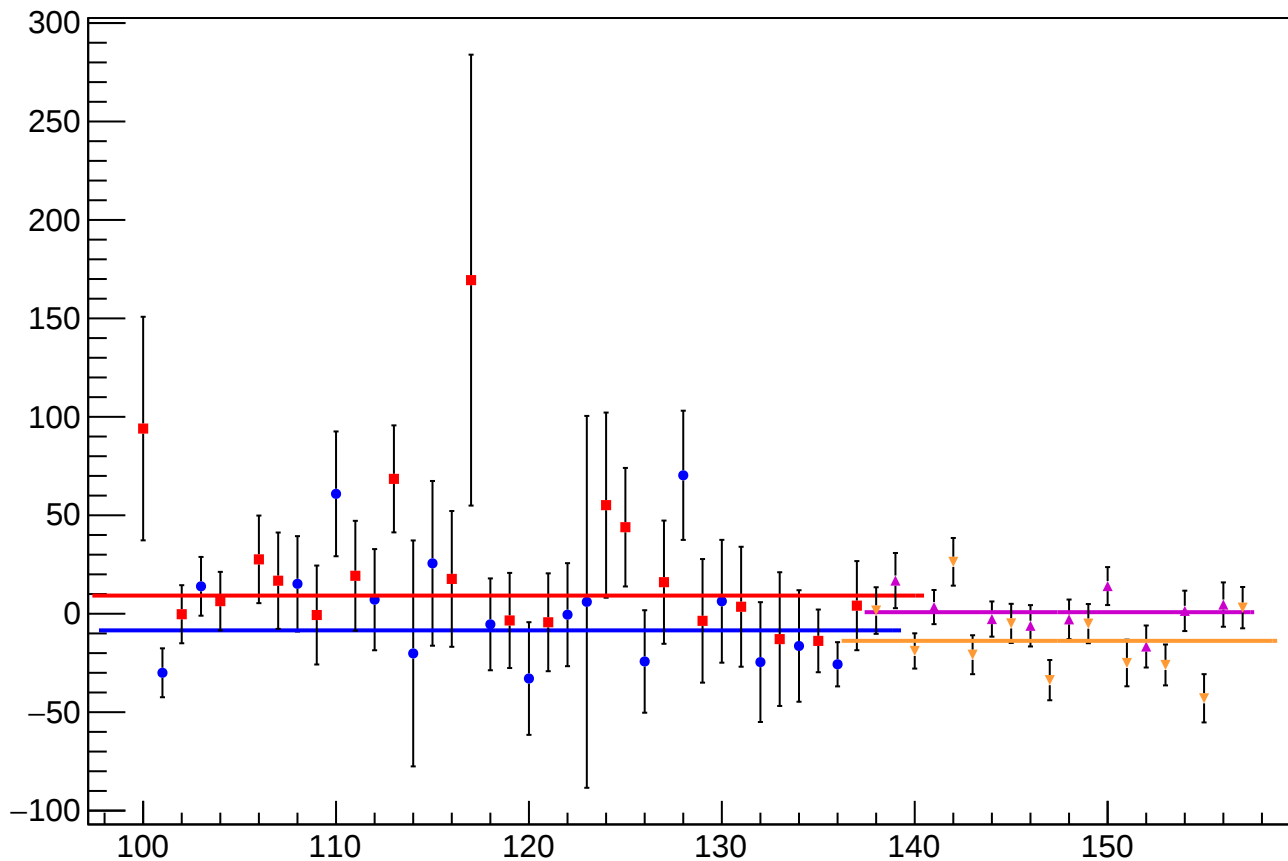
Left In: 6249.354 $\pm$ 1.649 χ^2 /NDF:165770.3/8

6457.607 $\pm$ 1.205 χ^2 /NDF: 892122.1/27

6460.299 $\pm$ 0.859 χ^2 /NDF: 1770750.7/56

6463.076 $\pm$ 1.224 χ^2 /NDF: 878618.5/28

diff_bpm1X_mean vs Slug, Sign Corrected



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

Left Out: -13.762 ± 3.185 $\chi^2/\text{NDF}: 29.4/10$

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

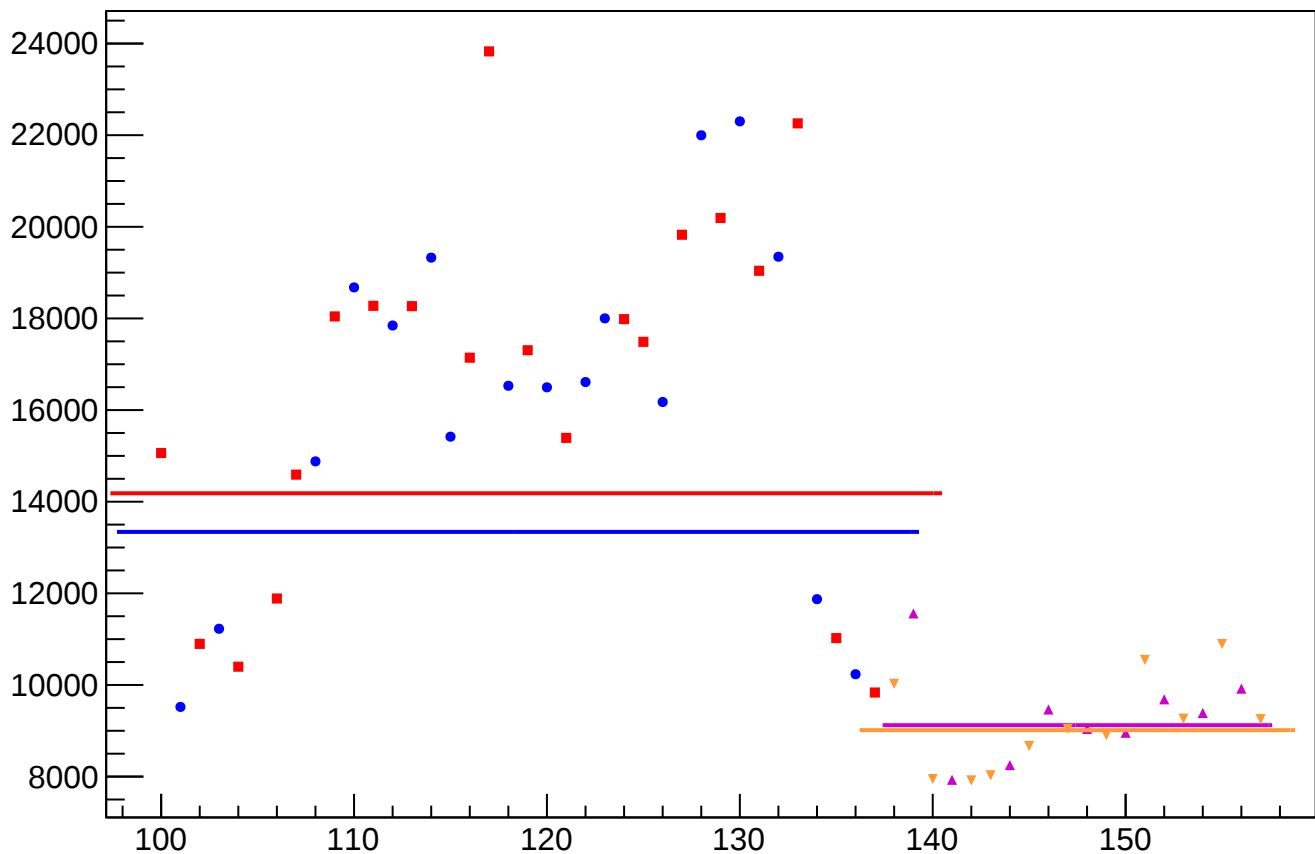
Left In: 0.793 ± 3.394 $\chi^2/\text{NDF}: 6.8/8$

-12.388 ± 2.742 $\chi^2/\text{NDF}: 52.1/27$

-5.039 ± 1.989 $\chi^2/\text{NDF}: 92.0/56$

3.117 ± 2.889 $\chi^2/\text{NDF}: 24.7/28$

diff_bpm1X_rms vs Slug, Sign Corrected



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

Left Out: 9013.636+/-2.252 χ^2/NDF : 164780.1/10

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

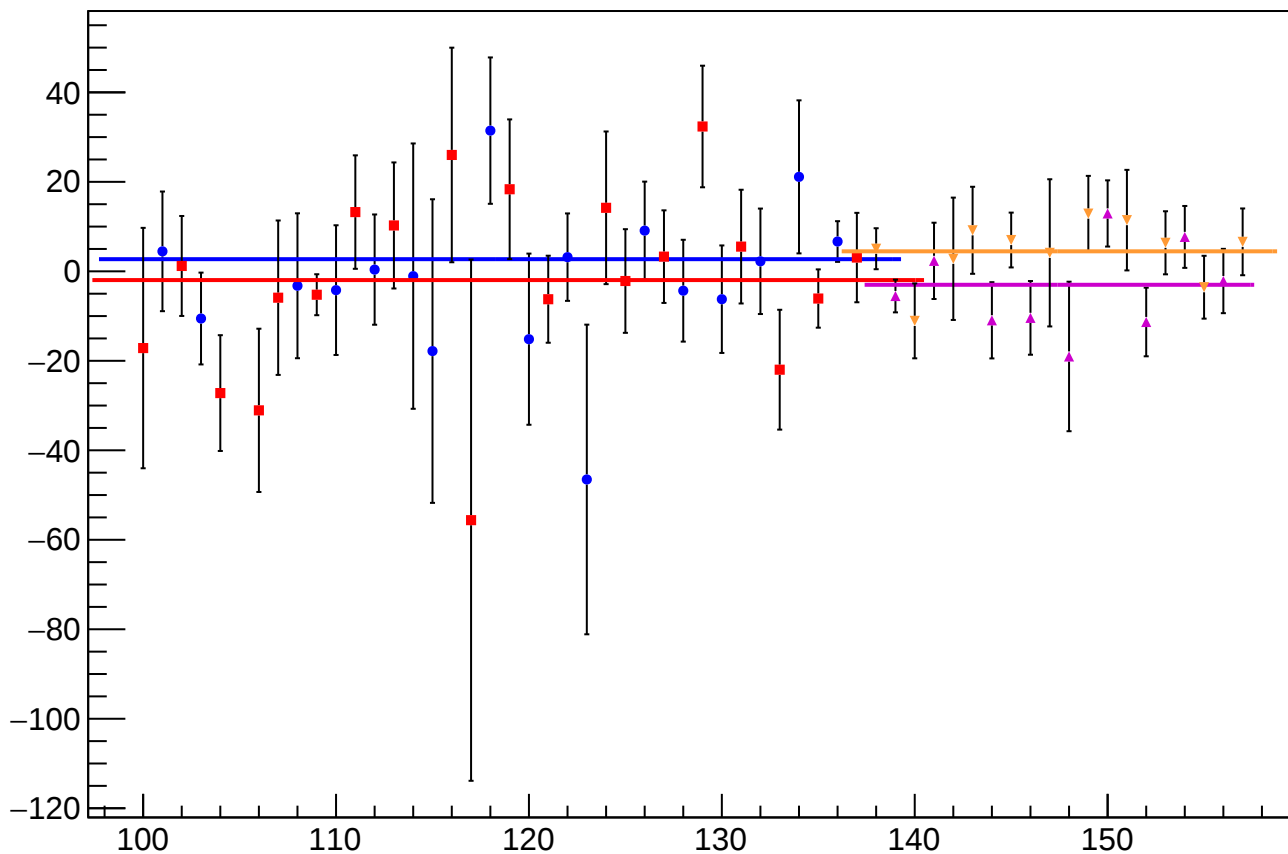
Left In: 9121.994+/-2.400 χ^2/NDF : 137157.1/8

10132.423+/-1.939 χ^2/NDF : 2164134.1/27

10314.914+/-1.406 χ^2/NDF : 4492297.8/5

10517.443+/-2.043 χ^2/NDF : 2309475.1/28

diff_bpm1Y_mean vs Slug, Sign Corrected



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

Left Out: 4.471 $\pm$ 2.303 χ^2/NDF : 6.7/10

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

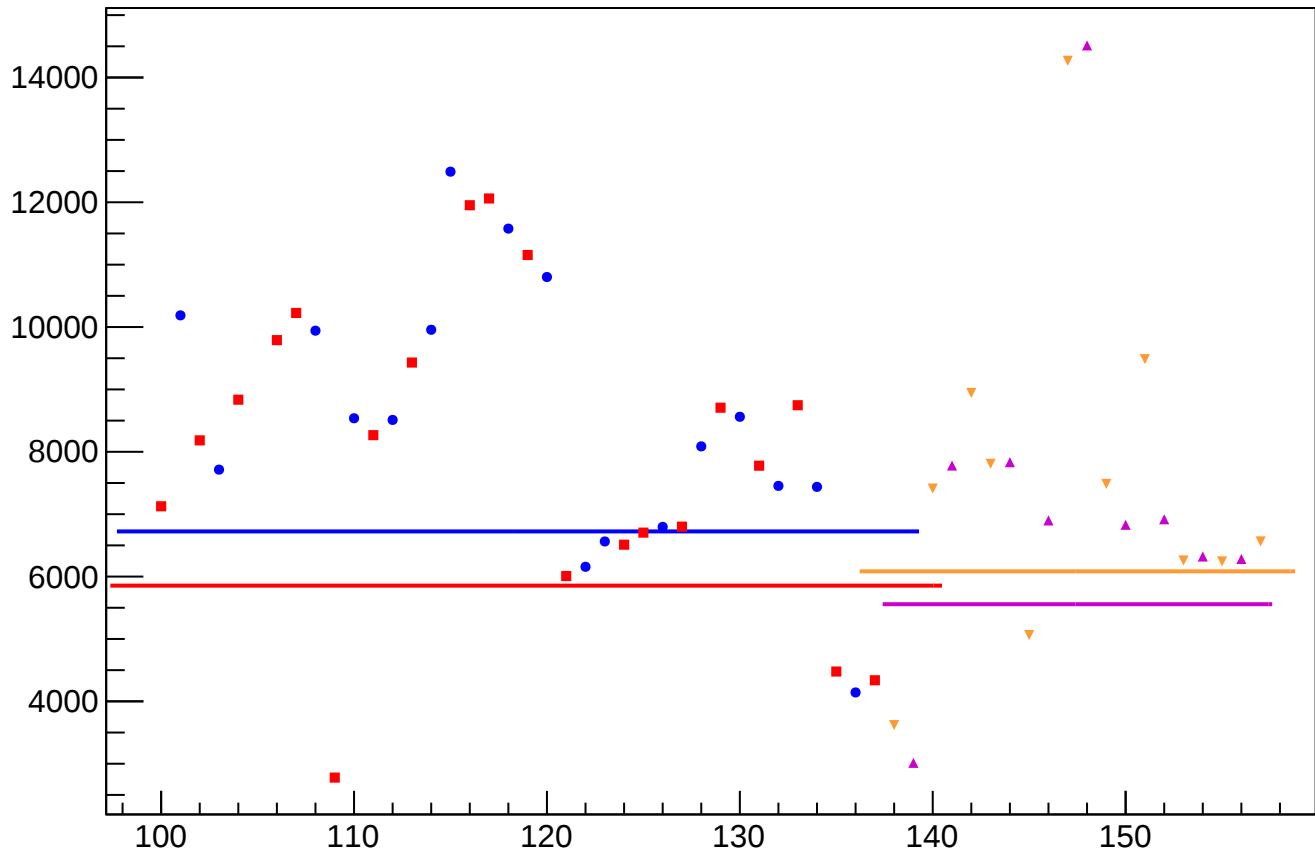
Left In: -3.009 $\pm$ 2.257 χ^2/NDF : 11.7/8

3.749 $\pm$ 1.766 χ^2/NDF : 18.6/27

0.412 $\pm$ 1.208 χ^2/NDF : 61.5/56

-2.522 $\pm$ 1.656 χ^2/NDF : 36.2/28

diff_bpm1Y_rms vs Slug, Sign Corrected



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

Left Out: 6083.939+/-1.628 χ^2/NDF : 1579540.1/10

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

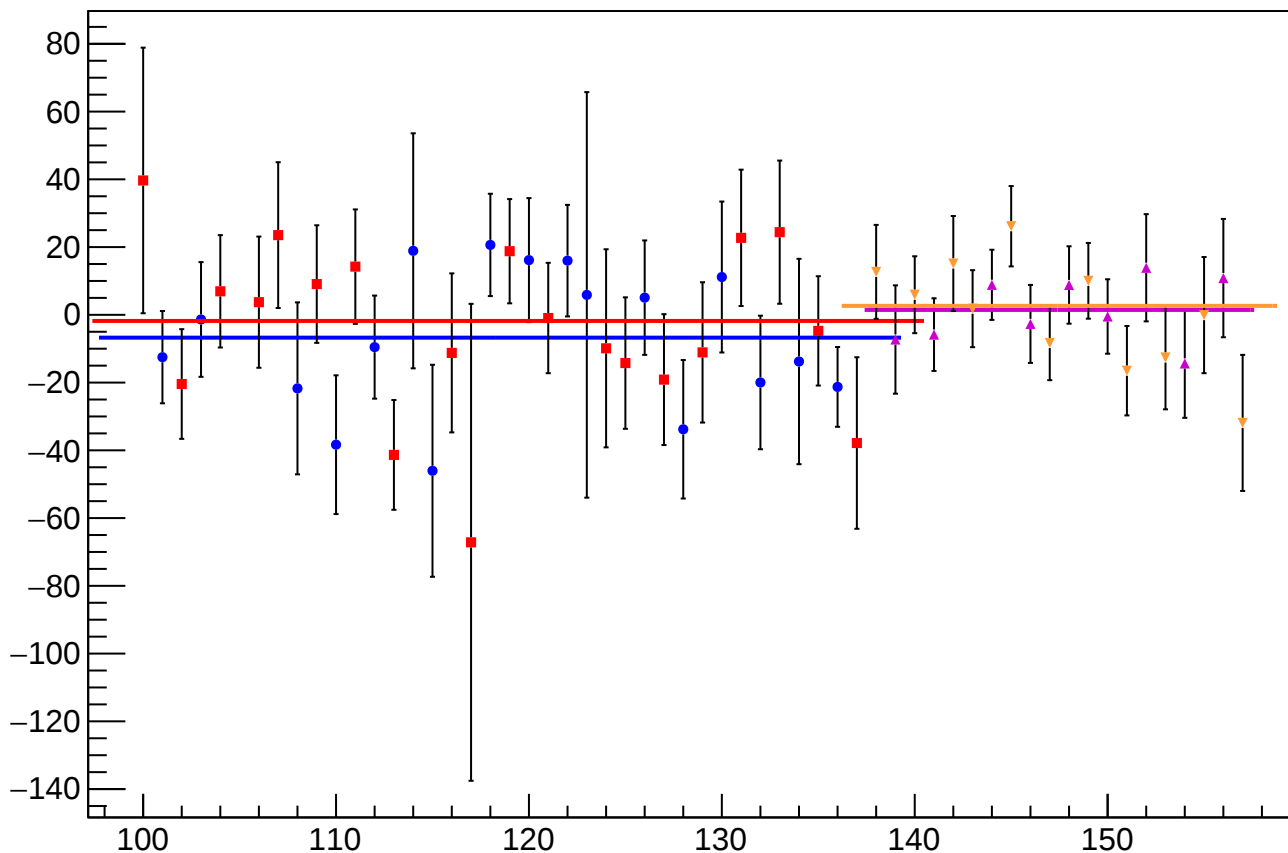
Left In: 5556.882+/-1.596 χ^2/NDF : 2041776.6/8

6347.479+/-1.249 χ^2/NDF : 3035220.2/27

5999.970+/-0.854 χ^2/NDF : 7538551.9/56

5694.435+/-1.171 χ^2/NDF : 4357819.4/28

diff_bpm11X_mean vs Slug, Sign Corrected



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

Left Out: 2.650+/-3.920 χ^2/NDF : 12.9/10

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

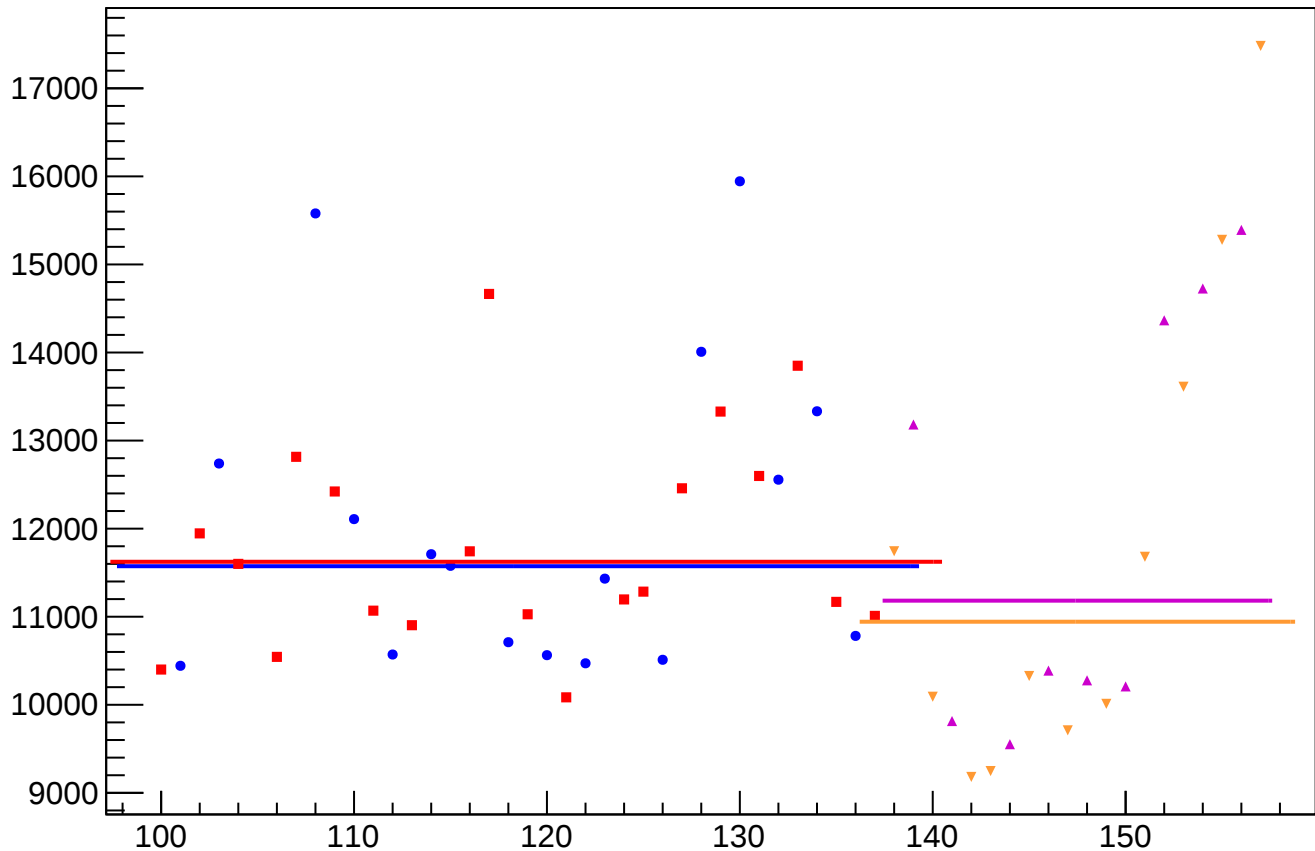
Left In: 1.448+/-4.204 χ^2/NDF : 3.7/8

-1.386+/-2.959 χ^2/NDF : 32.2/27

-0.766+/-2.116 χ^2/NDF : 57.1/56

-0.116+/-3.028 χ^2/NDF : 24.8/28

diff_bpm11X_rms vs Slug, Sign Corrected



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

Left Out: 10943.188 $\pm$ 2.772 χ^2/NDF : 545415.5/10

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

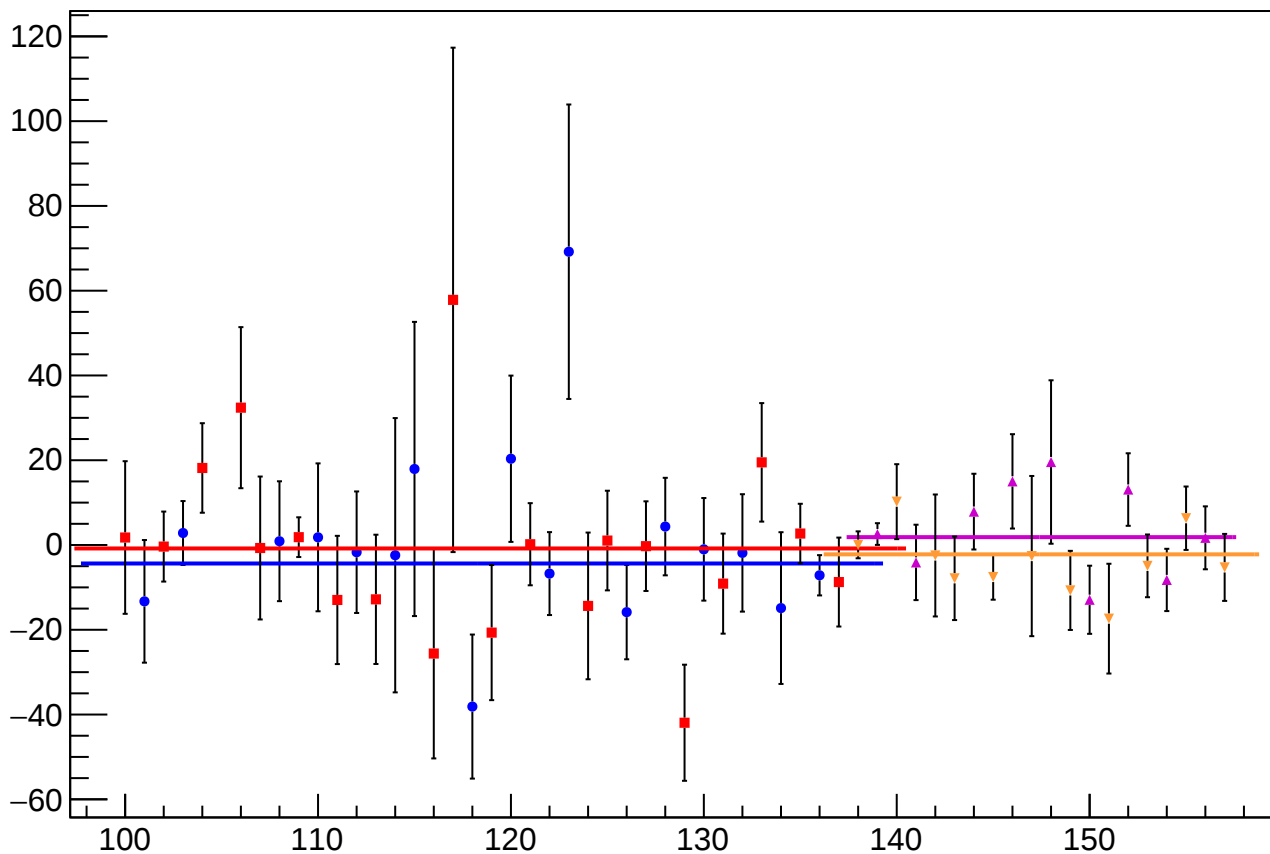
Left In: 11182.330 $\pm$ 2.973 χ^2/NDF : 445746.4/8

11214.249 $\pm$ 2.093 χ^2/NDF : 806386.0/27

11302.519 $\pm$ 1.496 χ^2/NDF : 1364451.7/5

11394.902 $\pm$ 2.141 χ^2/NDF : 554424.4/28

diff_bpm11Y_mean vs Slug, Sign Corrected



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

Left Out: -2.206 ± 2.066 χ^2/NDF : 7.6/10

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

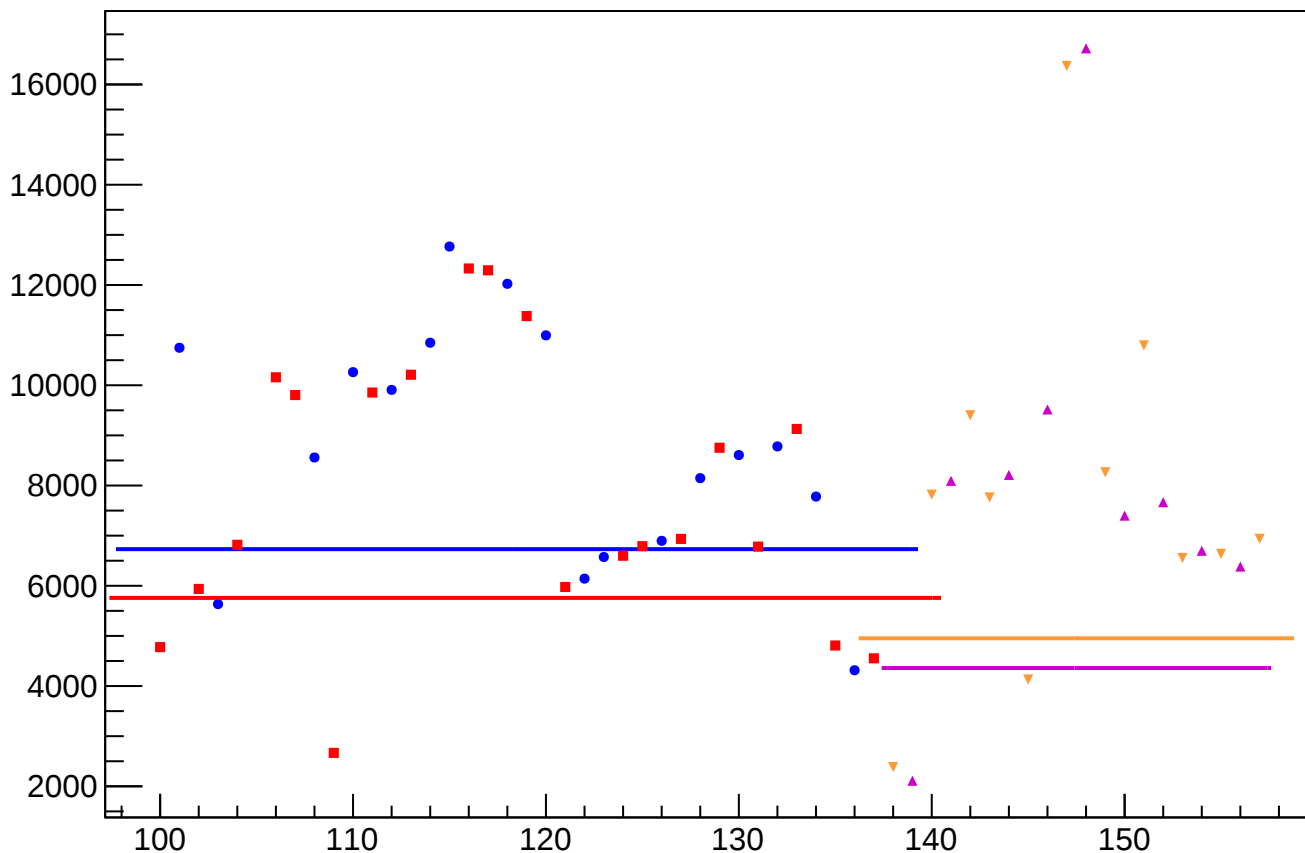
Left In: 1.855 ± 1.983 χ^2/NDF : 10.2/8

-2.974 ± 1.658 χ^2/NDF : 22.5/27

-0.951 ± 1.126 χ^2/NDF : 60.7/56

0.784 ± 1.535 χ^2/NDF : 35.5/28

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6730.725 $\pm$ 1.963 χ^2 /NDF: 1445240.4/16

Left Out: 4952.922 $\pm$ 1.461 χ^2 /NDF:3627035.3/10

Right Out: 5758.506 $\pm$ 1.714 χ^2 /NDF: 2186395.0/19

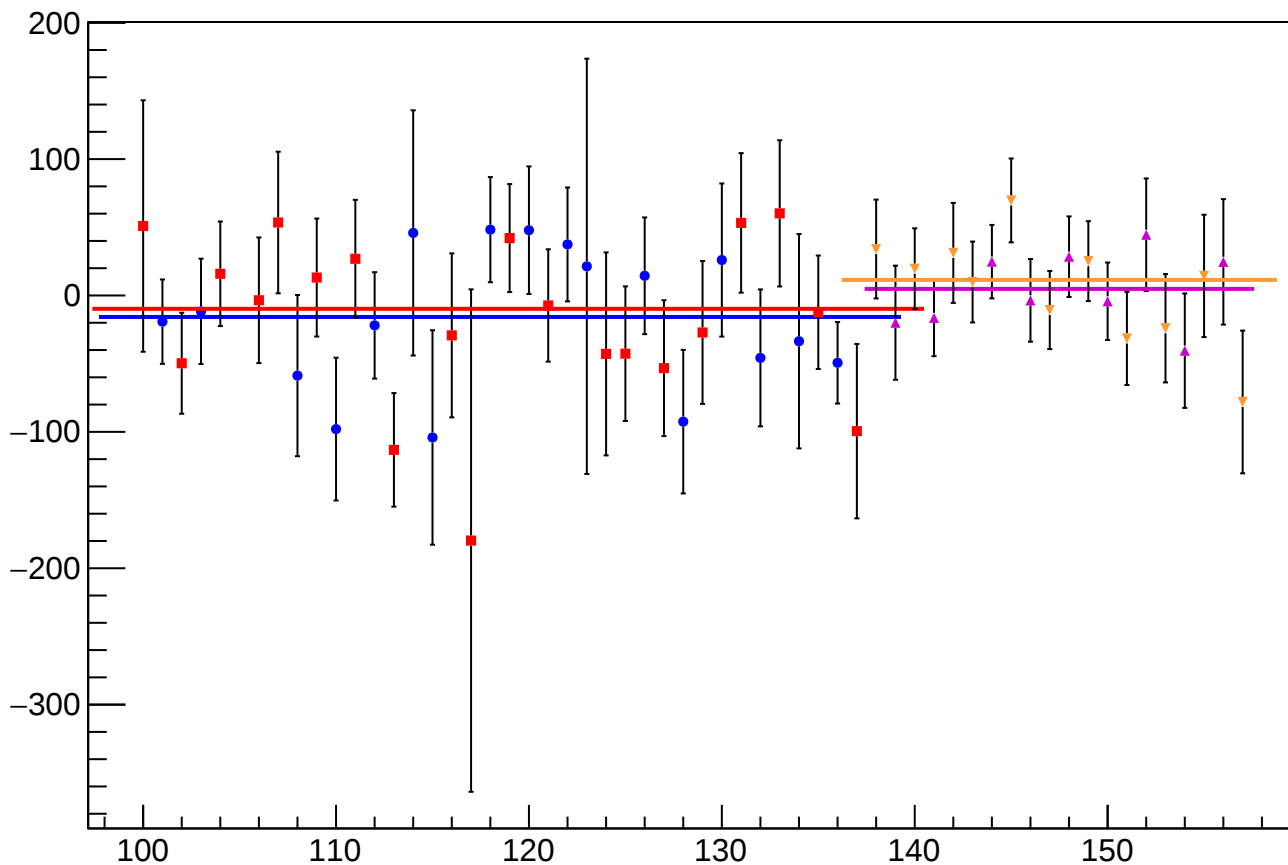
Left In: 4359.408 $\pm$ 1.402 χ^2 /NDF:4452974.5/8

5586.608 $\pm$ 1.172 χ^2 /NDF: 5600065.4/27

5228.012 $\pm$ 0.796 χ^2 /NDF: 12812413.9/5

4920.450 $\pm$ 1.085 χ^2 /NDF: 7038448.3/28

diff_bpm12X_mean vs Slug, Sign Corrected



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

Left Out: 11.411 $\pm$ 10.219 χ^2 /NDF:10.5/10

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

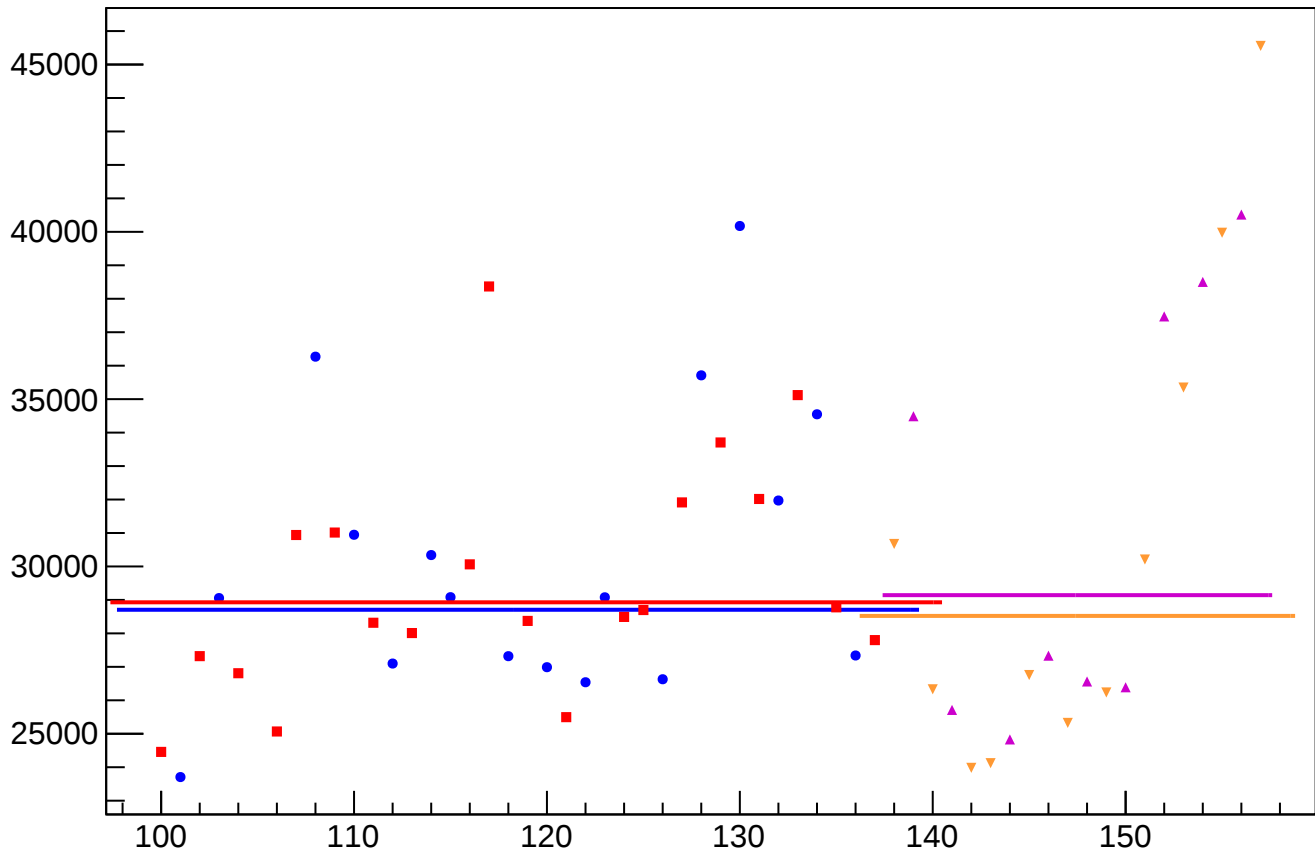
Left In: 4.842 $\pm$ 10.961 χ^2 /NDF:4.6/8

-0.919 $\pm$ -7.551 χ^2 /NDF: 29.6/27

-1.705 $\pm$ -5.398 χ^2 /NDF: 55.2/56

-2.526 $\pm$ -7.718 χ^2 /NDF: 25.6/28

diff_bpm12X_rms vs Slug, Sign Corrected



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

Left Out: 28522.182 ± 7.226 $\chi^2/\text{NDF}: 542608.7/10$

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

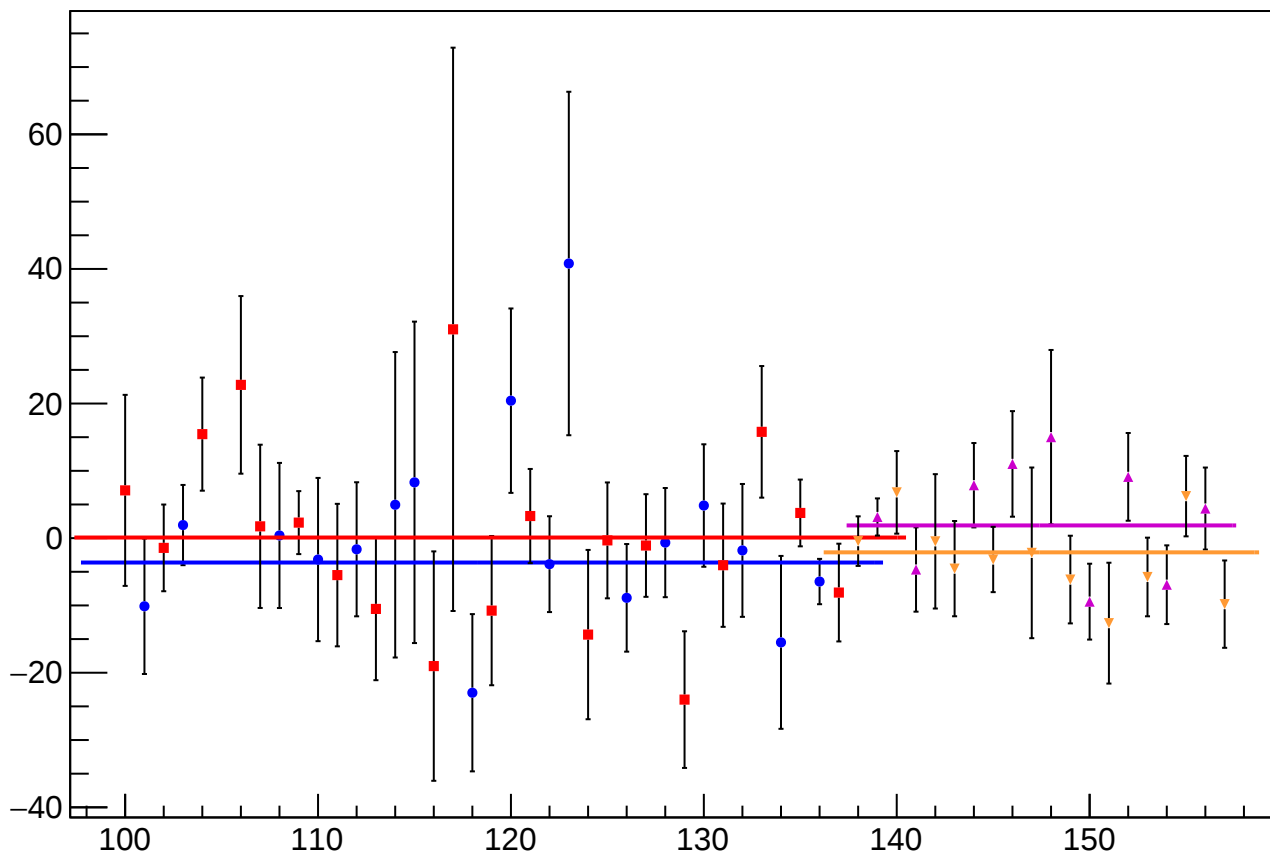
Left In: 29142.238 ± 7.751 $\chi^2/\text{NDF}: 458320.1/8$

28605.431 ± 5.339 $\chi^2/\text{NDF}: 793893.6/27$

28815.259 ± 3.817 $\chi^2/\text{NDF}: 1372237.3/5$

29034.486 ± 5.458 $\chi^2/\text{NDF}: 575185.9/28$

diff_bpm12Y_mean vs Slug, Sign Corrected



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

Left Out: -2.112 ± 1.838 χ^2/NDF : 8.0/10

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

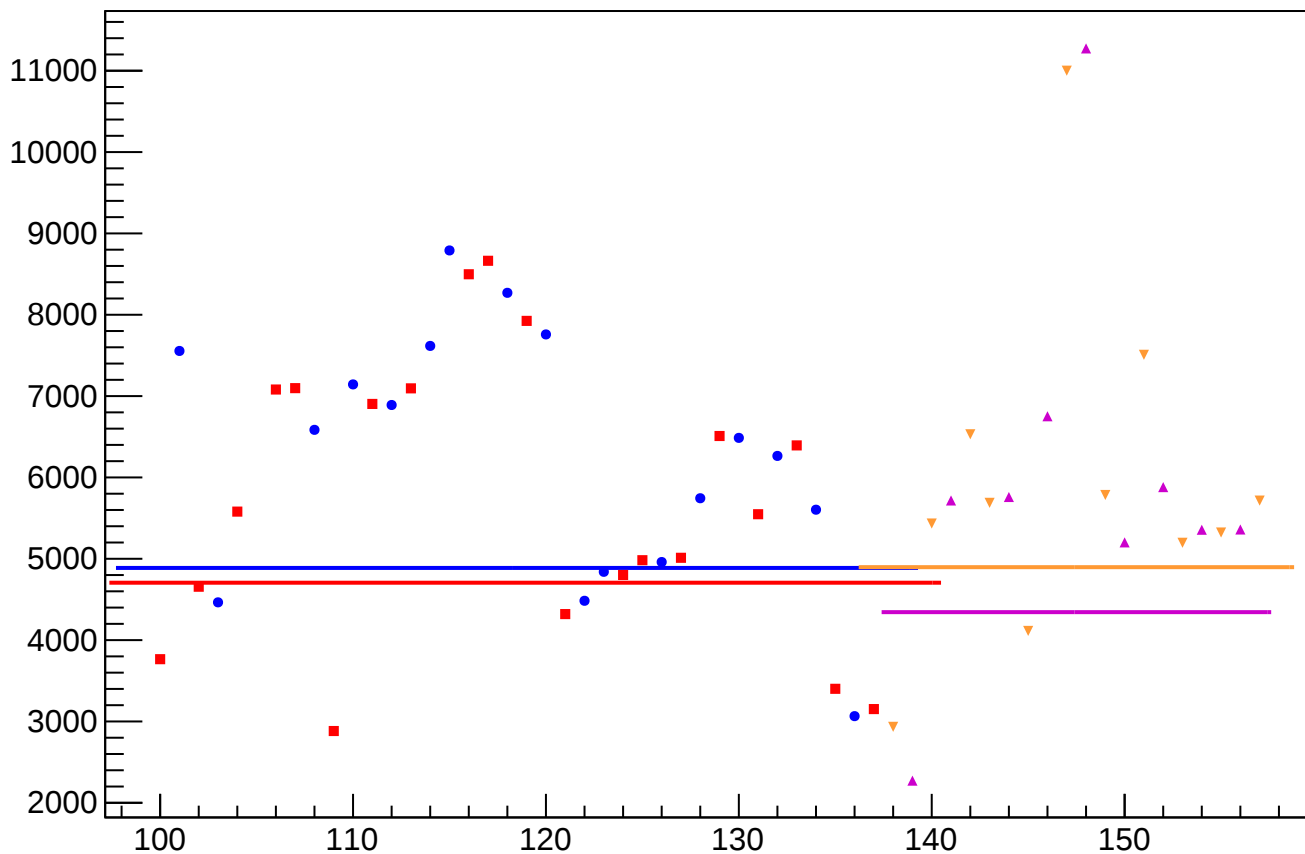
Left In: 1.887 ± 1.780 χ^2/NDF : 12.3/8

-2.803 ± 1.355 χ^2/NDF : 22.1/27

-0.794 ± 0.936 χ^2/NDF : 61.7/56

1.042 ± 1.295 χ^2/NDF : 35.4/28

diff_bpm12Y_rms vs Slug, Sign Corrected



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

Left Out: 4896.747+/-1.300 χ^2/NDF : 1430575.5/10

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

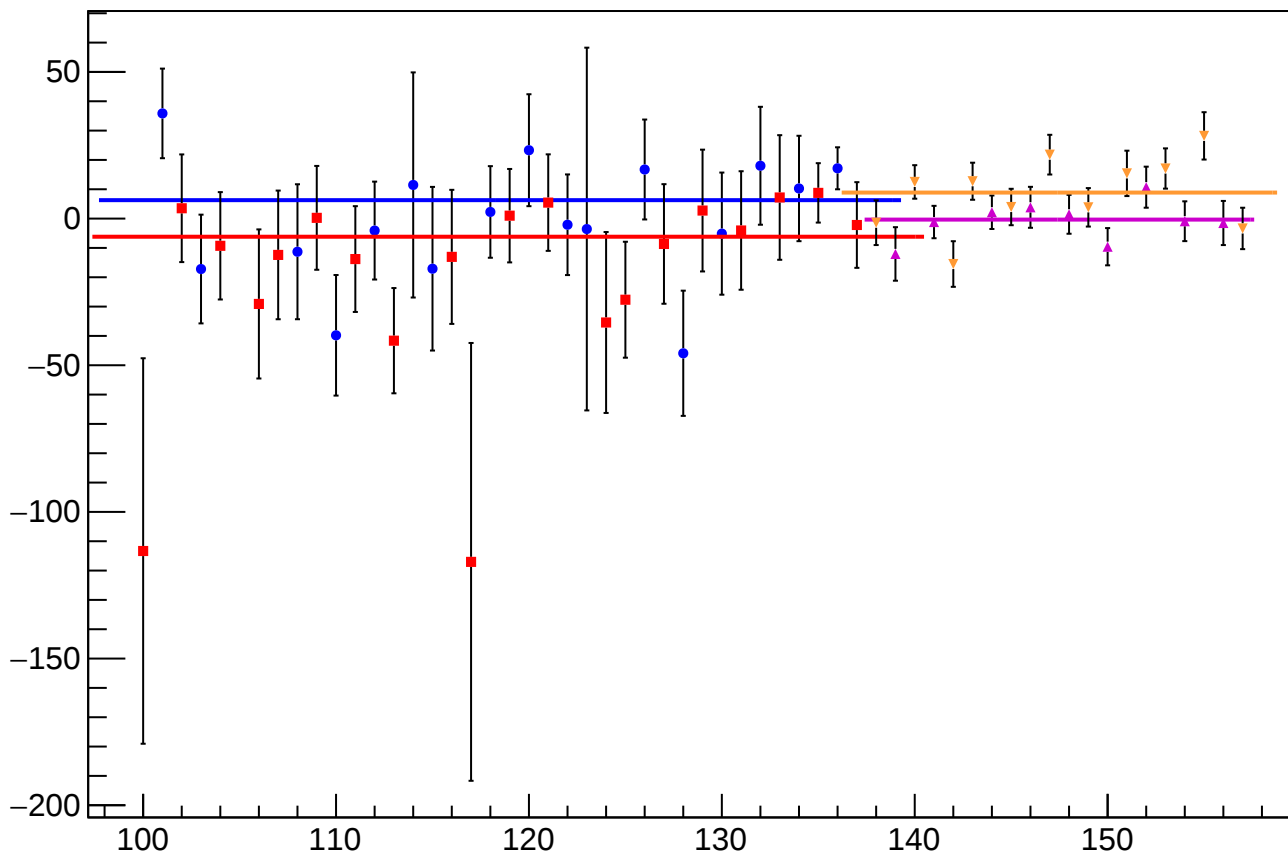
Left In: 4343.884+/-1.259 χ^2/NDF : 2357838.2/8

4892.533+/-0.958 χ^2/NDF : 2839895.3/27

4694.829+/-0.662 χ^2/NDF : 6649117.4/56

4514.229+/-0.916 χ^2/NDF : 3727780.6/28

diff_bpm16X_mean vs Slug, Sign Corrected



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

Left Out: 8.339 ± 1.843 $\chi^2/\text{NDF}: 51.0/27$

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

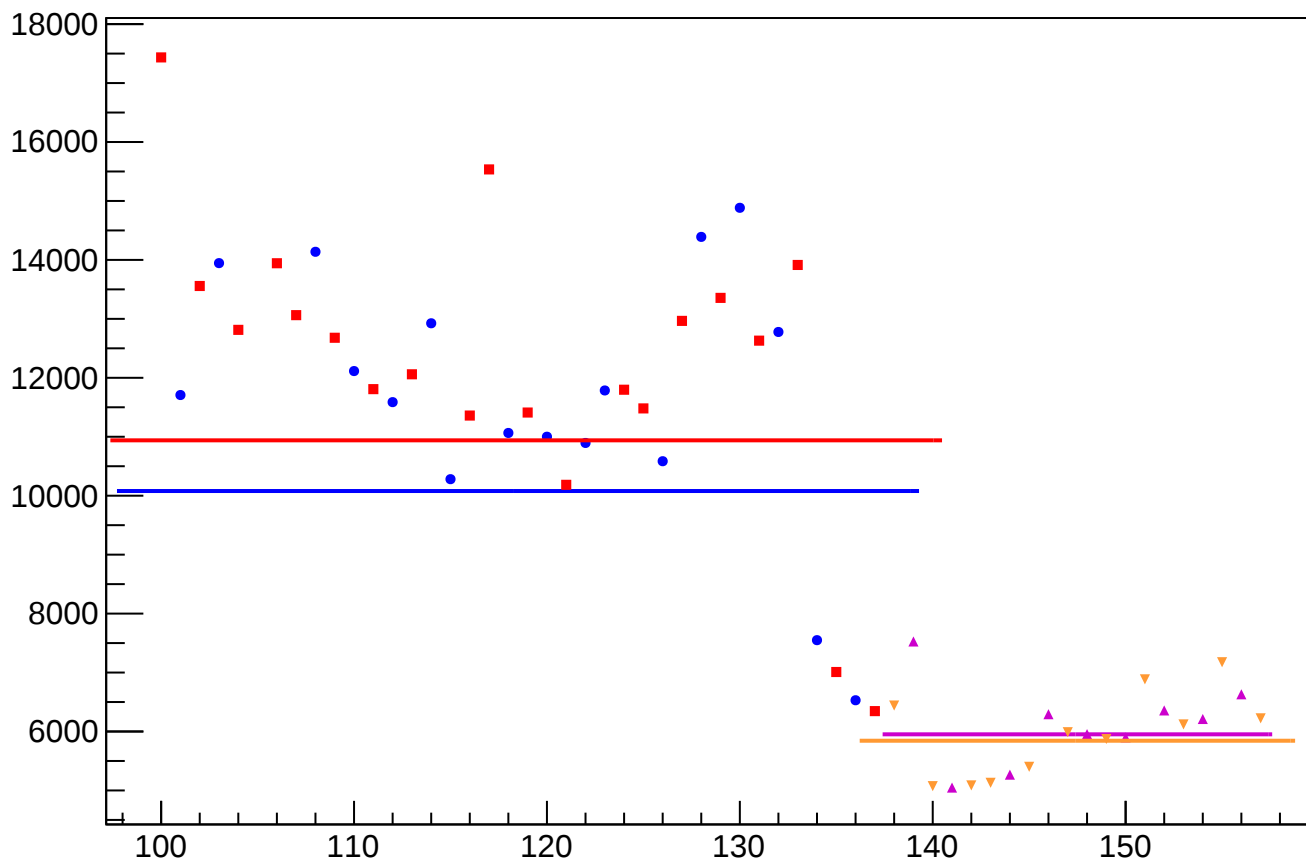
Left In: -0.344 ± 2.217 $\chi^2/\text{NDF}: 6.9/8$

8.339 ± 1.843 $\chi^2/\text{NDF}: 51.0/27$

3.675 ± 1.343 $\chi^2/\text{NDF}: 89.1/56$

-1.611 ± 1.962 $\chi^2/\text{NDF}: 24.5/28$

diff_bpm16X_rms vs Slug, Sign Corrected



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

Left Out: 5843.375 $\pm$ 1.462 χ^2 /NDF: 204025.8/10

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

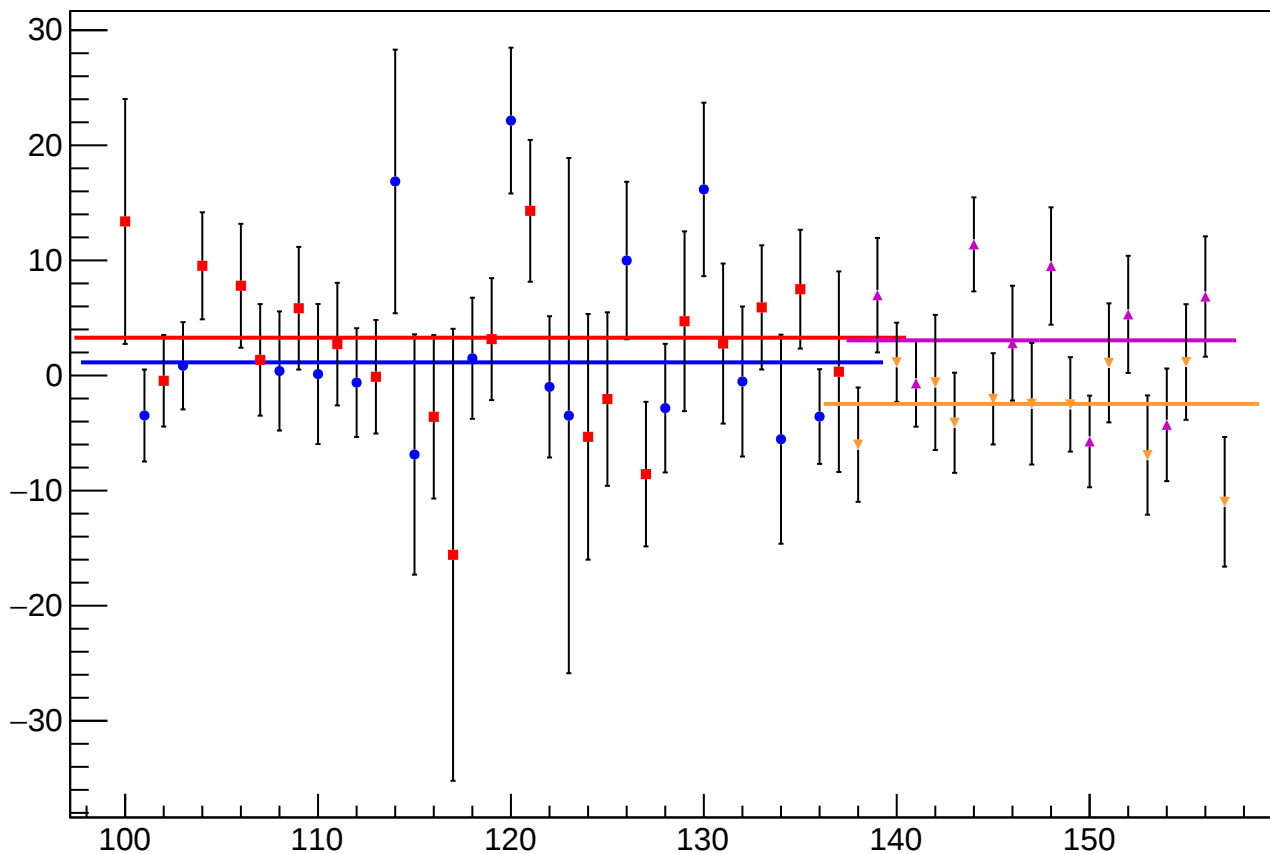
Left In: 5952.089 $\pm$ 1.568 χ^2 /NDF: 172714.8/8

6714.511 $\pm$ 1.303 χ^2 /NDF: 2924693.9/27

6864.292 $\pm$ 0.950 χ^2 /NDF: 6096833.7/56

7034.041 $\pm$ 1.387 χ^2 /NDF: 3143959.7/28

diff_bpm16Y_mean vs Slug, Sign Corrected



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

Left Out: -2.469 ± 1.398 χ^2/NDF : 5.9/10

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

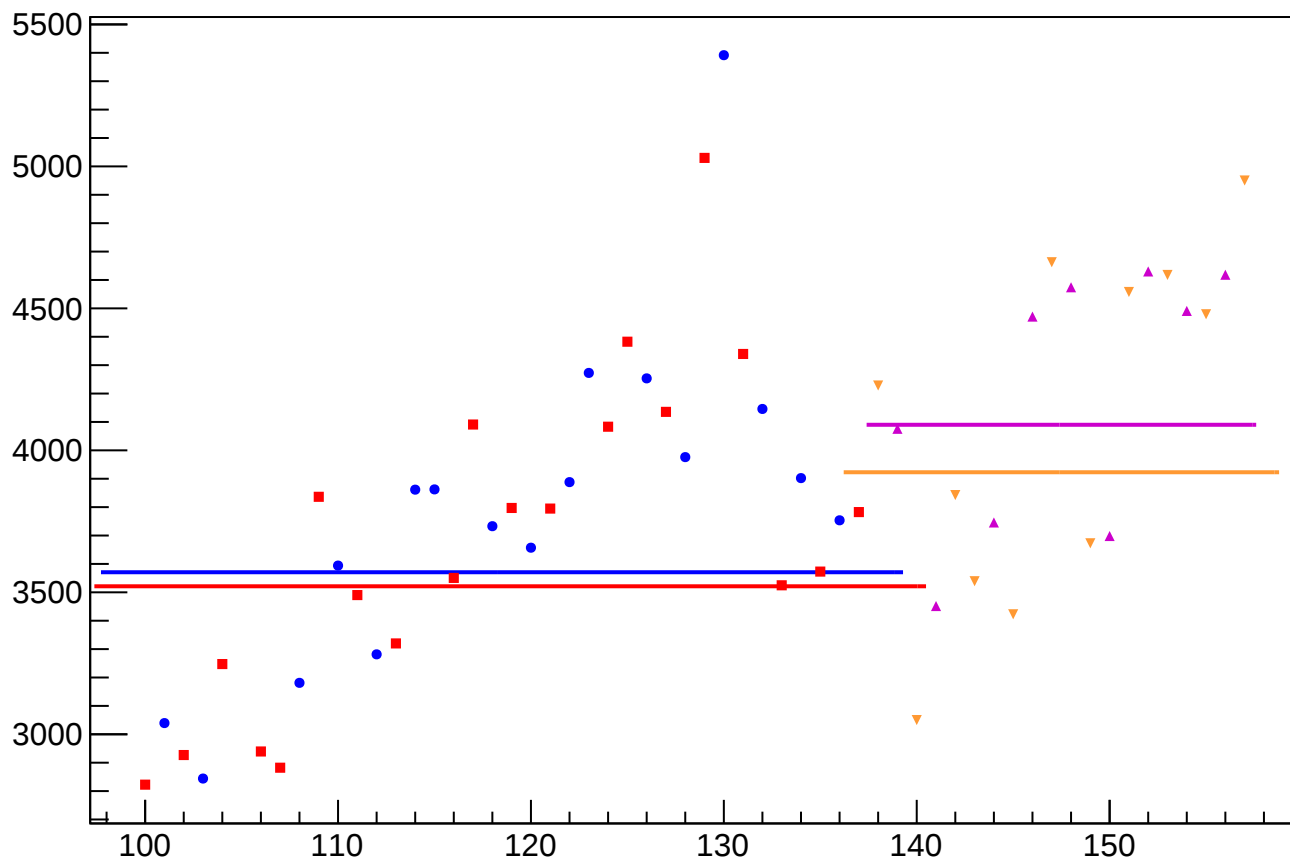
Left In: 3.054 ± 1.526 χ^2/NDF : 15.2/8

-0.660 ± 0.988 χ^2/NDF : 32.5/27

1.234 ± 0.704 χ^2/NDF : 71.2/56

3.185 ± 1.003 χ^2/NDF : 31.2/28

diff_bpm16Y_rms vs Slug, Sign Corrected



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

Left Out: 3922.852 $\pm$ 0.989 χ^2 /NDF: 387898.7/10

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

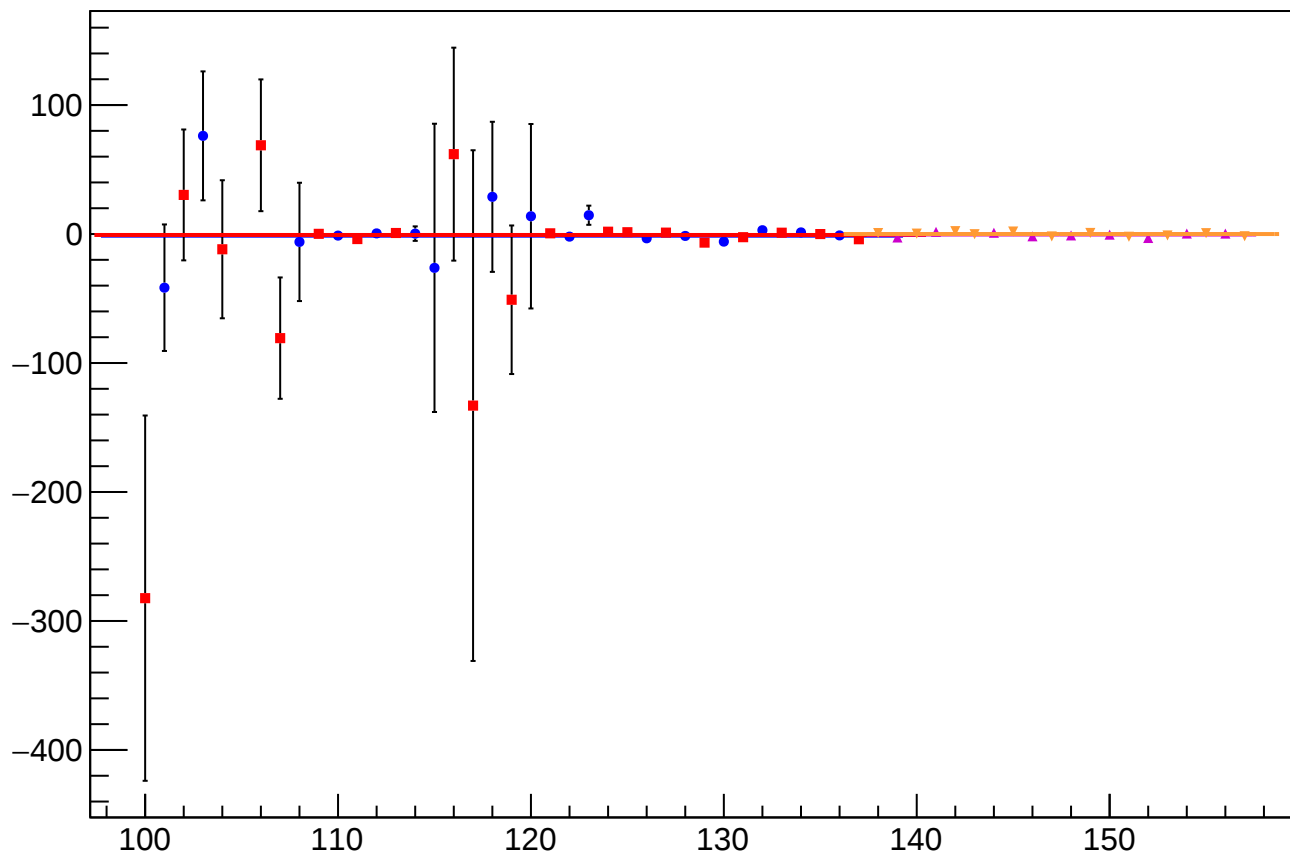
Left In: 4090.033 $\pm$ 1.079 χ^2 /NDF: 177063.6/8

3746.415 $\pm$ 0.698 χ^2 /NDF: 761039.1/27

3756.473 $\pm$ 0.498 χ^2 /NDF: 1391361.0/56

3766.838 $\pm$ 0.709 χ^2 /NDF: 629900.7/28

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.261 $\pm$ 0.748 χ^2/NDF : 16.3/16

Left Out: -0.012 $\pm$ 0.373 χ^2/NDF : 13.3/10

Right Out: -0.735 $\pm$ 0.710 χ^2/NDF : 22.5/19

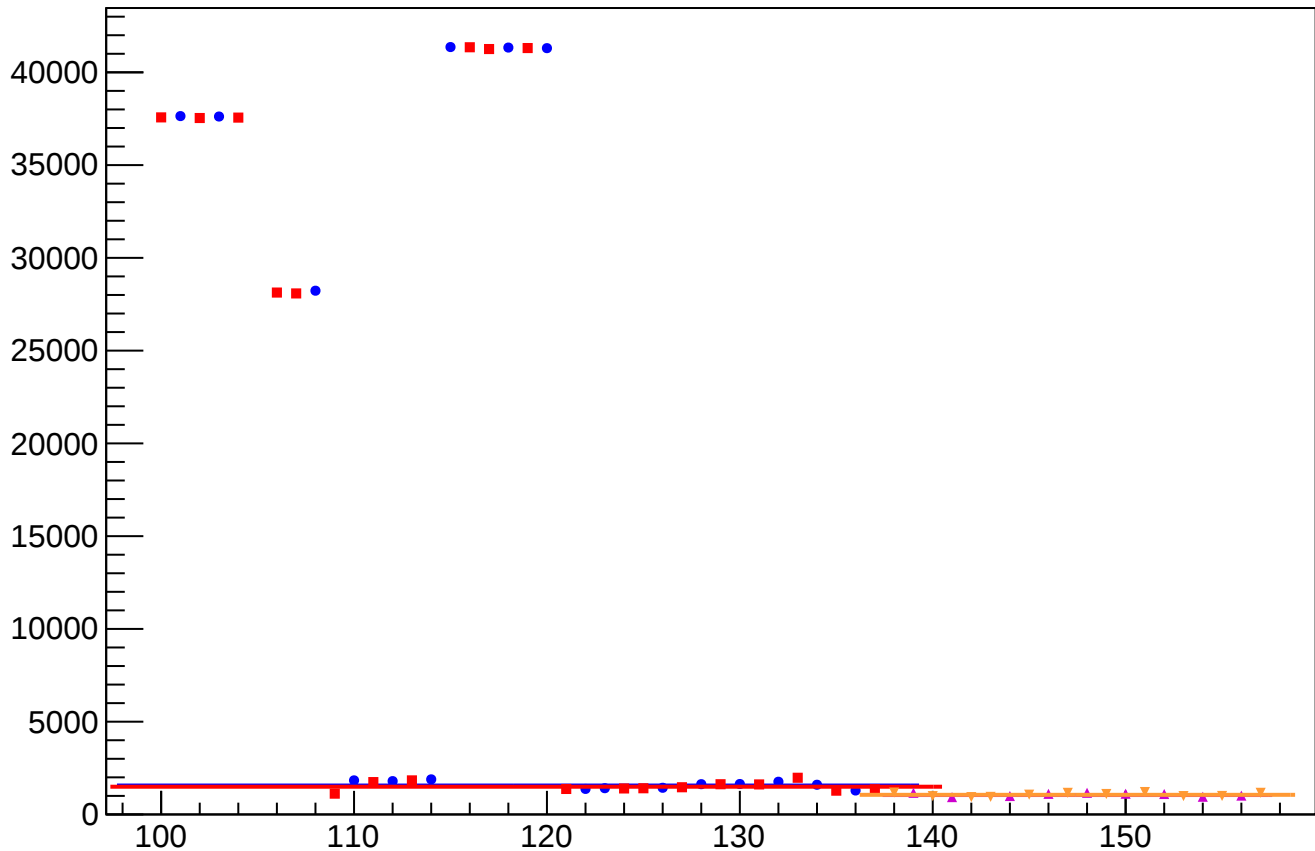
Left In: -0.358 $\pm$ 0.389 χ^2/NDF : 15.6/8

-0.261 $\pm$ 0.334 χ^2/NDF : 31.9/27

-0.351 $\pm$ 0.239 χ^2/NDF : 70.3/56

-0.445 $\pm$ 0.341 χ^2/NDF : 38.3/28

diff_bpm1p02bX_rms vs Slug, Sign Corrected



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

Left Out: 1058.129 ± 0.264 χ^2/NDF : 124531.9/10

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

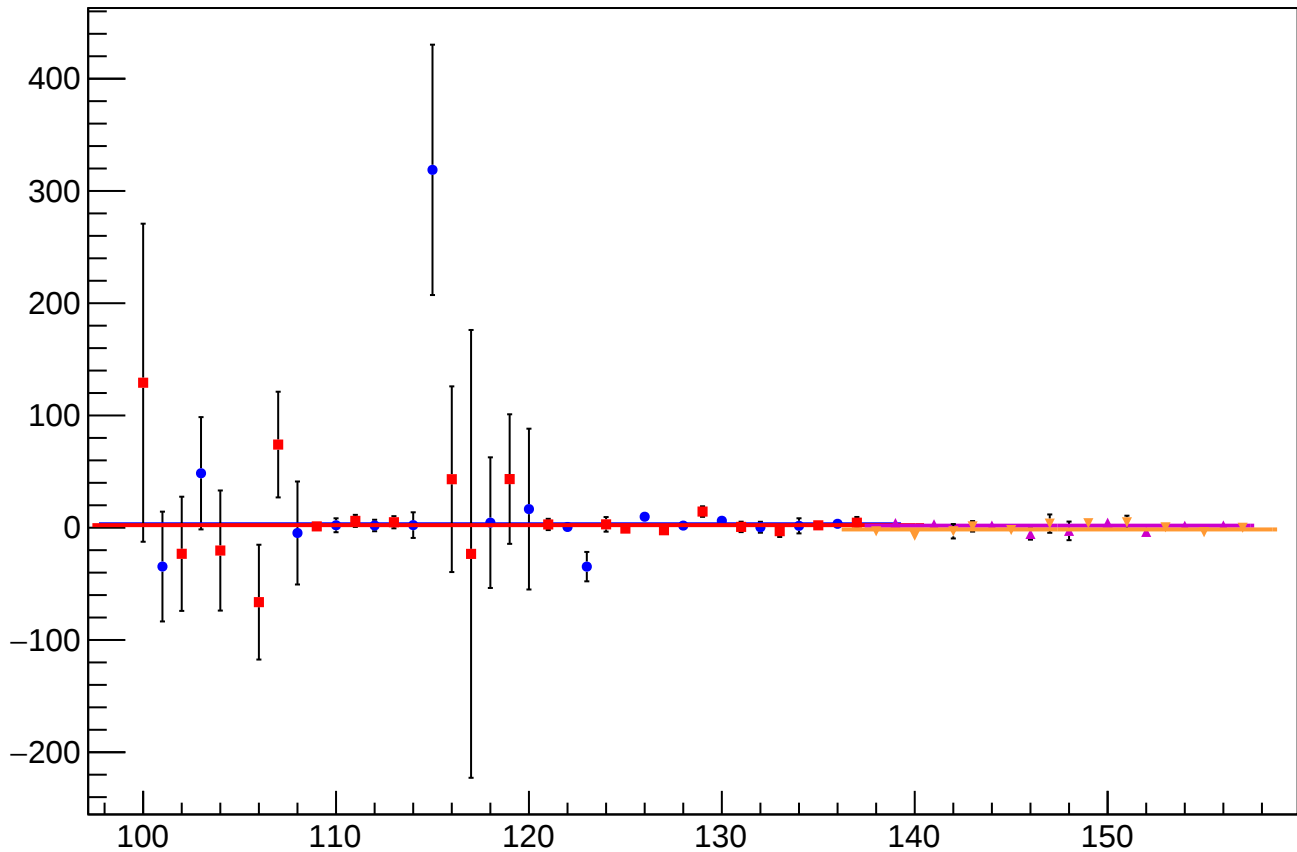
Left In: 1046.927 ± 0.275 χ^2/NDF : 94710.2/8

1157.841 ± 0.236 χ^2/NDF : 5596673.5/27

1154.213 ± 0.169 χ^2/NDF : 11277937.0/5

1150.418 ± 0.241 χ^2/NDF : 5680779.9/28

diff_bpm1p02bY_mean vs Slug, Sign Corrected



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

Left Out: -1.529 ± 1.177 χ^2/NDF : 7.0/10

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

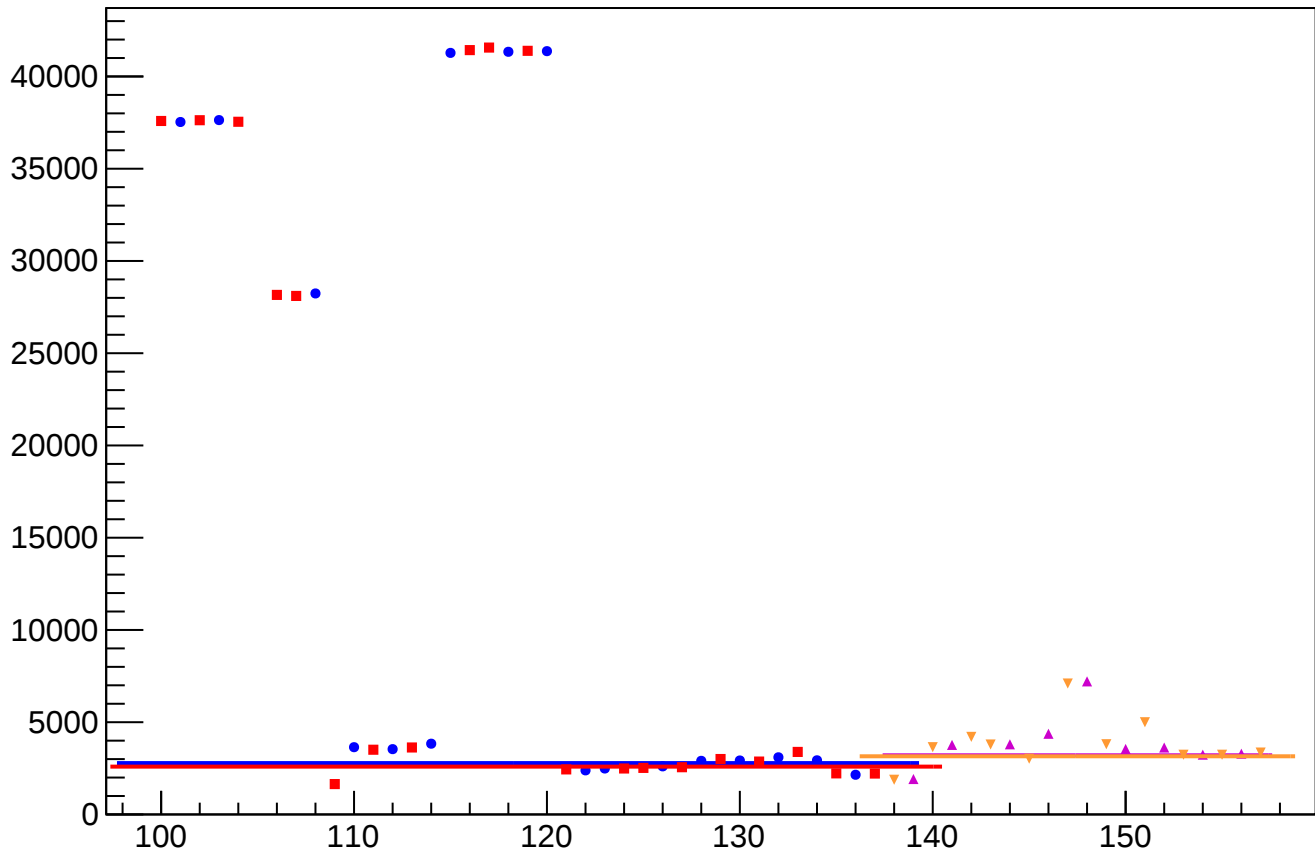
Left In: 1.840 ± 1.260 χ^2/NDF : 5.9/8

0.504 ± 0.879 χ^2/NDF : 35.7/27

1.288 ± 0.623 χ^2/NDF : 60.2/56

2.077 ± 0.882 χ^2/NDF : 22.9/28

diff_bpm1p02bY_rms vs Slug, Sign Corrected



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

Left Out: 3152.841+/-0.832 χ^2/NDF : 1472519.2/10

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

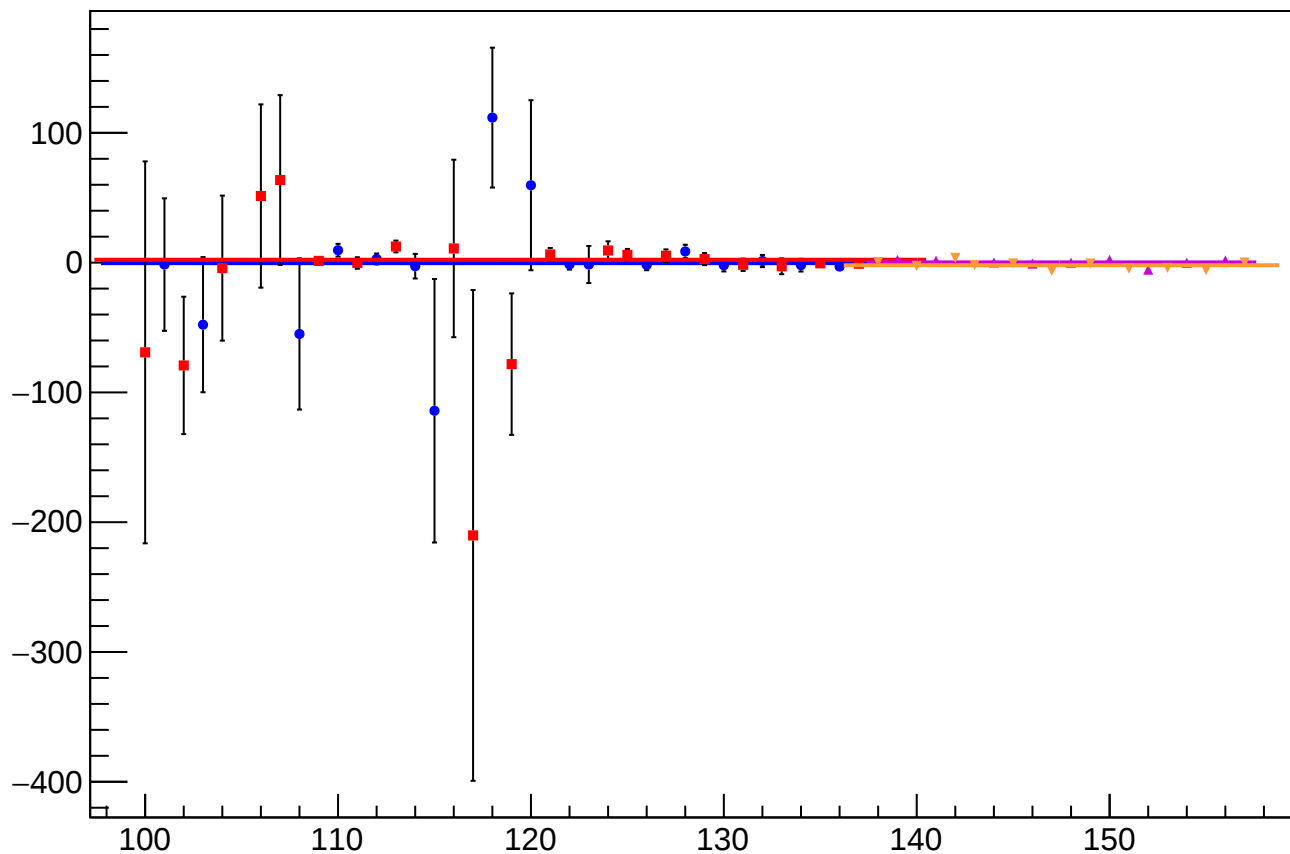
Left In: 3206.868+/-0.891 χ^2/NDF : 1282491.7/8

2989.934+/-0.622 χ^2/NDF : 6136713.4/27

2941.829+/-0.440 χ^2/NDF : 12596747.2/5

2893.453+/-0.624 χ^2/NDF : 6448030.2/28

diff_bpm1p03aX_mean vs Slug, Sign Corrected



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

Left Out: -2.020 ± 0.582 χ^2/NDF : 20.6/10

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

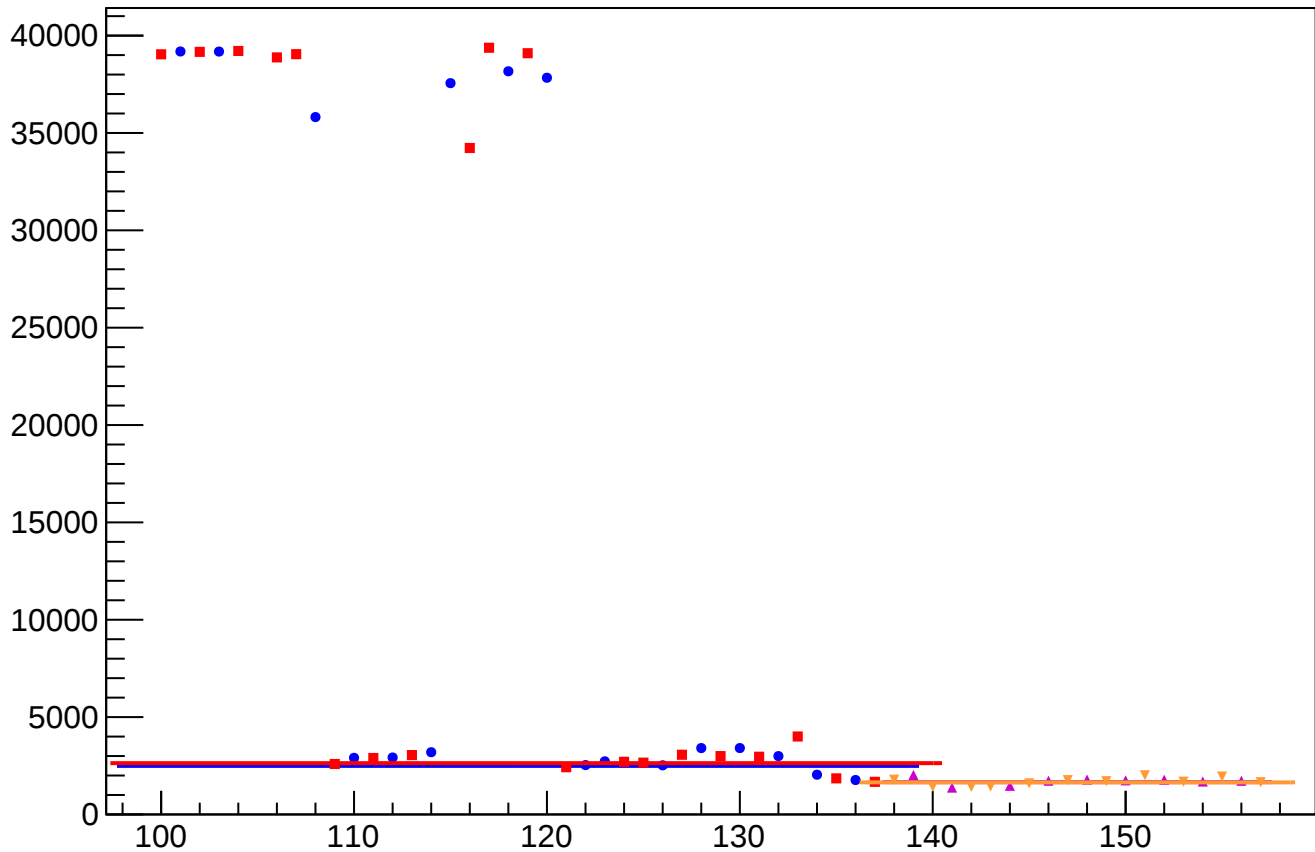
Left In: 0.179 ± 0.619 χ^2/NDF : 11.4/8

-1.719 ± 0.525 χ^2/NDF : 40.3/27

-0.628 ± 0.381 χ^2/NDF : 81.8/56

0.586 ± 0.554 χ^2/NDF : 32.3/28

diff_bpm1p03aX_rms vs Slug, Sign Corrected



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

Left Out: 1647.351 ± 0.412 χ^2/NDF : 201853.7/10

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

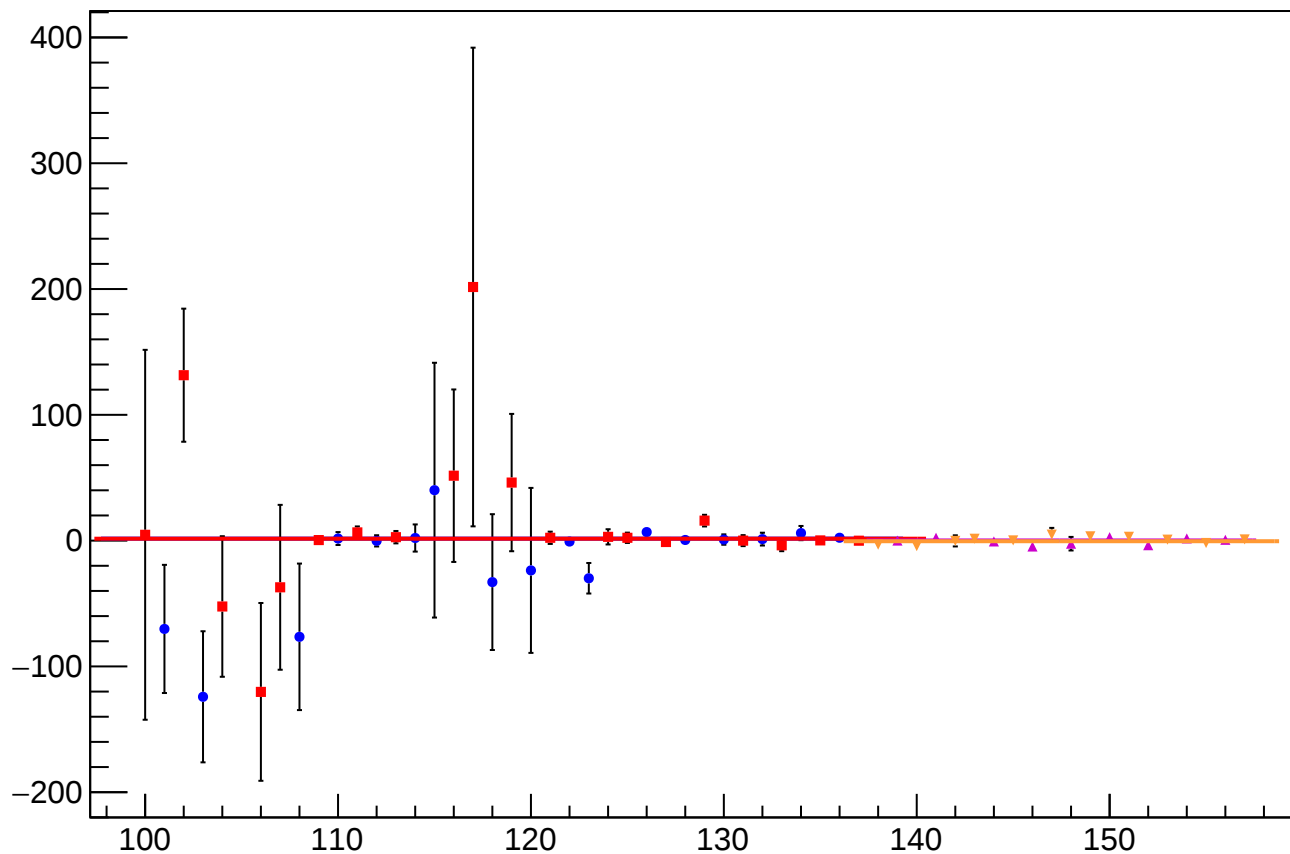
Left In: 1661.307 ± 0.438 χ^2/NDF : 169339.0/8

1805.187 ± 0.371 χ^2/NDF : 5873943.5/27

1828.327 ± 0.270 χ^2/NDF : 11966840.9/5

1854.102 ± 0.392 χ^2/NDF : 6084694.4/28

diff_bpm1p03aY_mean vs Slug, Sign Corrected



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

Left Out: -0.471 ± 0.792 χ^2/NDF : 9.8/10

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

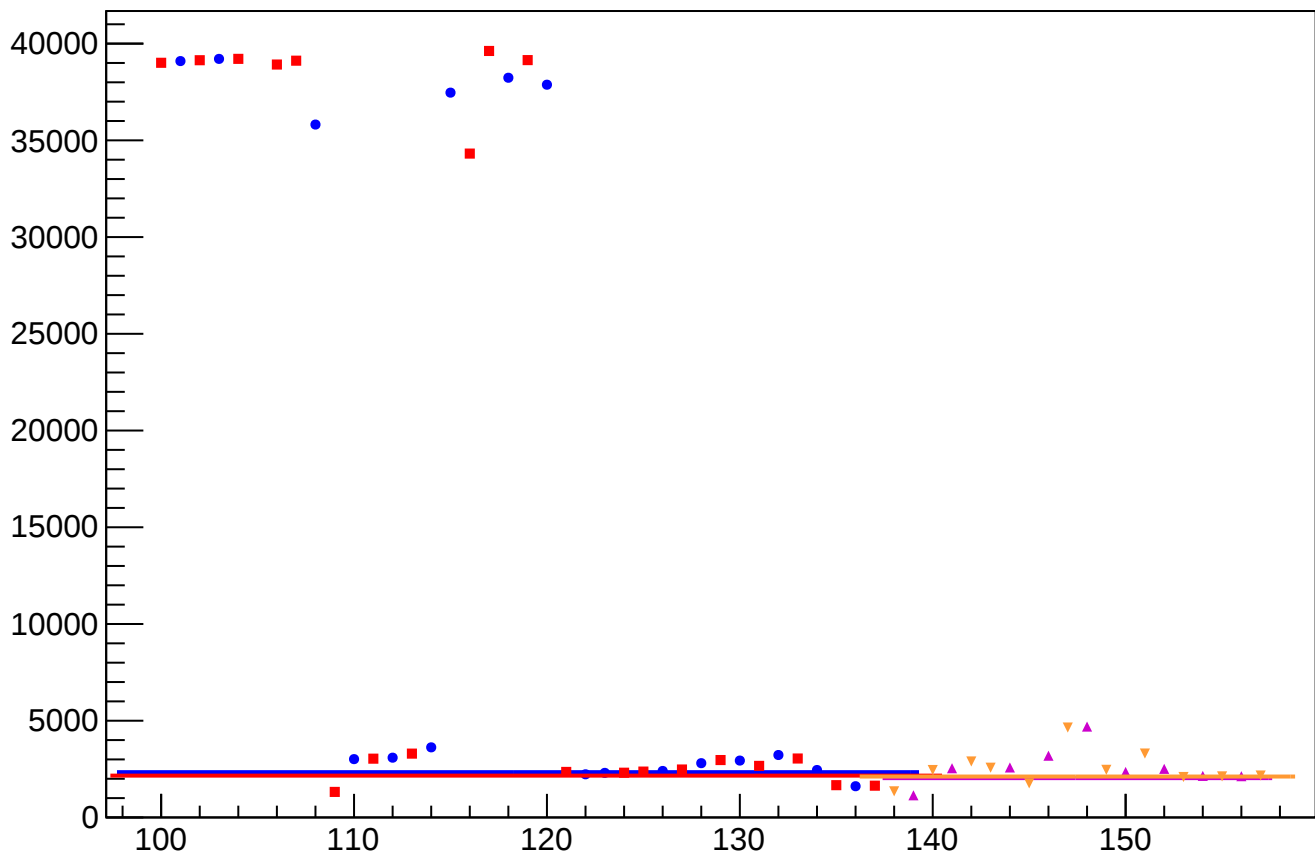
Left In: 0.136 ± 0.814 χ^2/NDF : 6.0/8

0.193 ± 0.651 χ^2/NDF : 32.3/27

0.424 ± 0.458 χ^2/NDF : 65.8/56

0.652 ± 0.646 χ^2/NDF : 33.2/28

diff_bpm1p03aY_rms vs Slug, Sign Corrected



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

Left Out: 2115.267+/-0.560 χ^2/NDF : 1255709.5/10

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

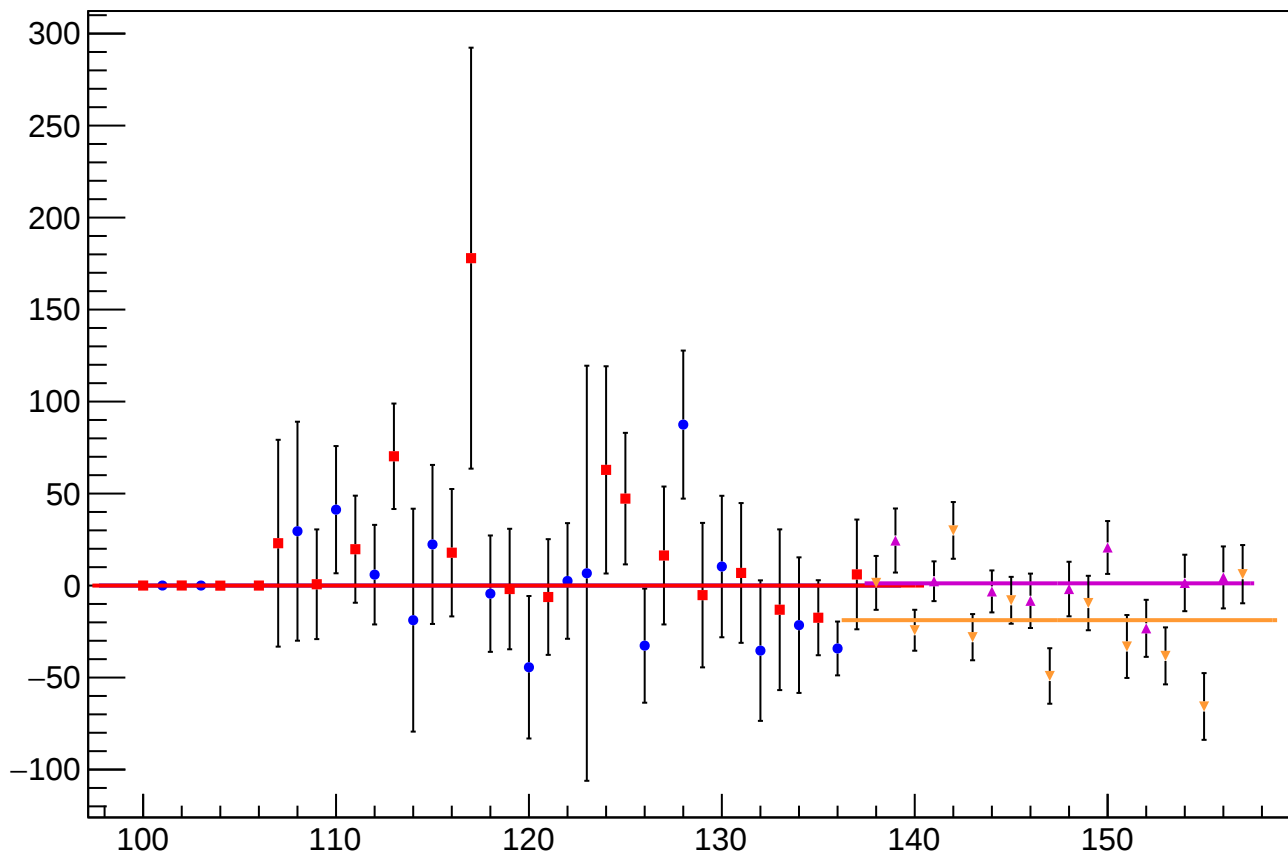
Left In: 2032.700+/-0.575 χ^2/NDF : 1745637.6/8

2188.507+/-0.460 χ^2/NDF : 6315350.0/27

2134.151+/-0.324 χ^2/NDF : 13484017.8/5

2080.629+/-0.457 χ^2/NDF : 7140982.9/28

diff_cav4bX_mean vs Slug, Sign Corrected



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

Left Out: -18.806 ± 4.342 χ^2/NDF : 29.3/10

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

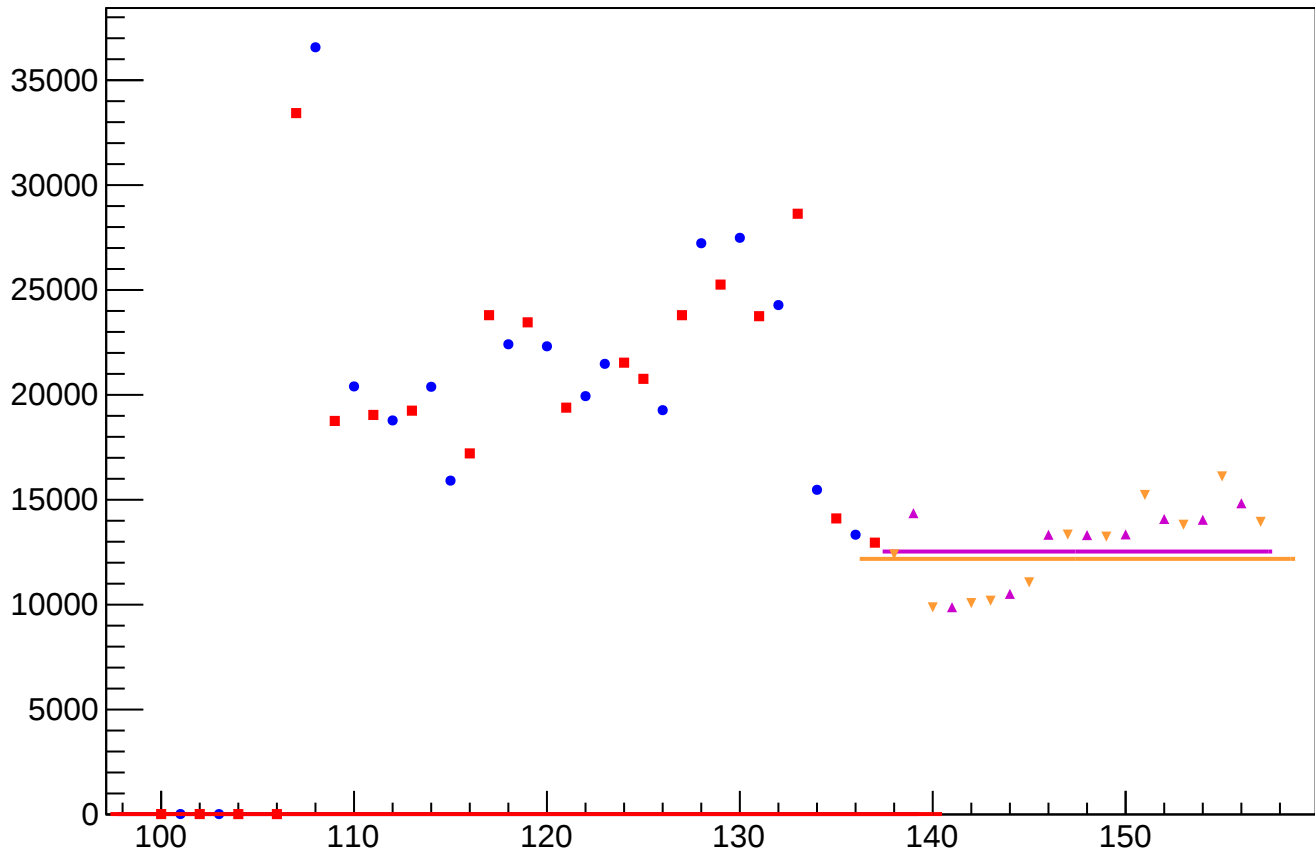
Left In: 1.213 ± 4.690 χ^2/NDF : 6.8/8

0.013 ± 0.017 χ^2/NDF : 64.3/27

0.004 ± 0.012 χ^2/NDF : 89.9/56

-0.003 ± 0.016 χ^2/NDF : 25.1/28

diff_cav4bX_rms vs Slug, Sign Corrected



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

Left Out: 12183.091 $\pm$ 3.070 χ^2 /NDF: 416427.8/10

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

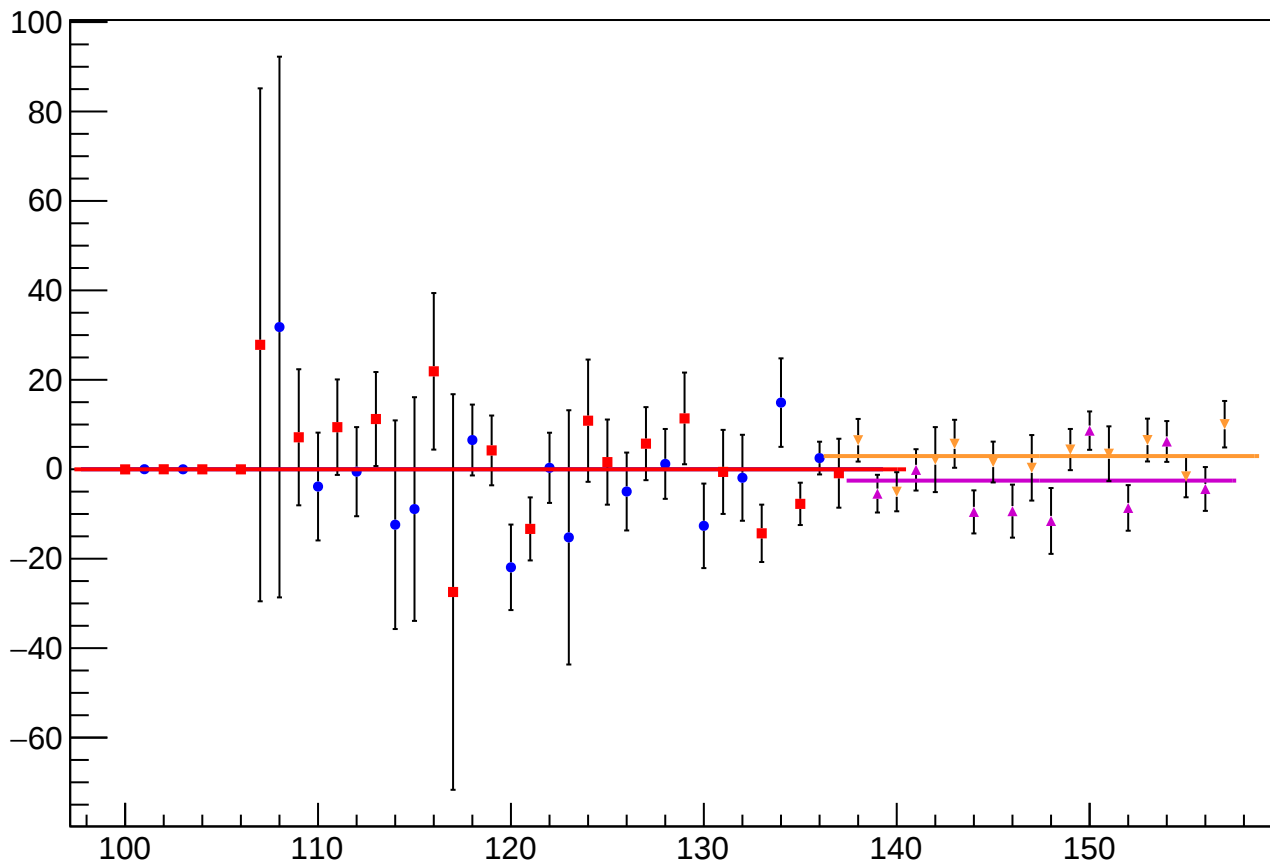
Left In: 12532.642 $\pm$ 3.317 χ^2 /NDF: 299985.3/8

18.836 $\pm$ 0.012 χ^2 /NDF: 27097606.6/27

18.633 $\pm$ 0.008 χ^2 /NDF: 52831801.1/56

18.459 $\pm$ 0.011 χ^2 /NDF: 25733686.5/28

diff_cav4bY_mean vs Slug, Sign Corrected



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

Left Out: 2.948 $\pm$ 1.549 χ^2/NDF : 7.9/10

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

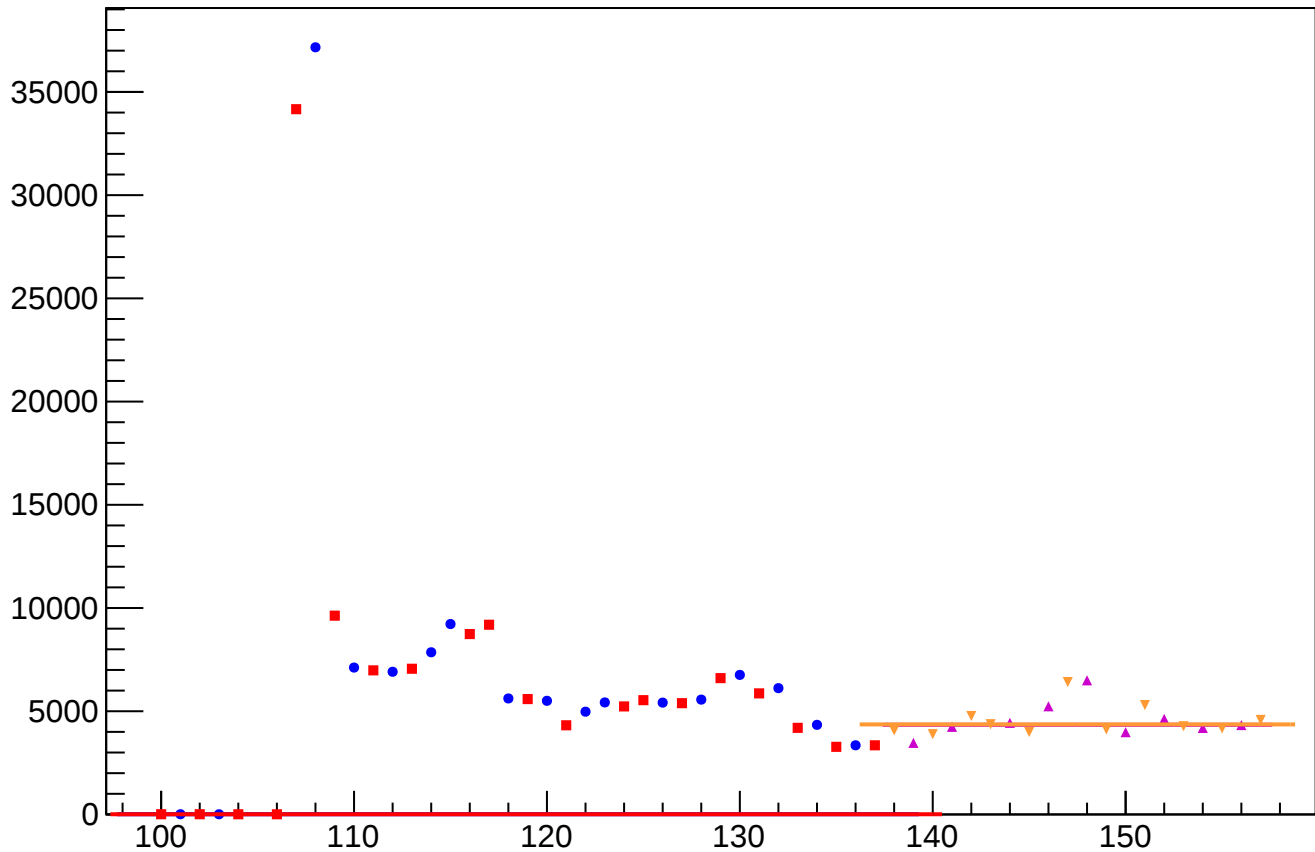
Left In: -2.538 $\pm$ 1.632 χ^2/NDF : 17.7/8

0.001 $\pm$ 0.009 χ^2/NDF : 24.5/27

-0.007 $\pm$ 0.006 χ^2/NDF : 65.0/56

-0.014 $\pm$ 0.009 χ^2/NDF : 39.1/28

diff_cav4bY_rms vs Slug, Sign Corrected



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

Left Out: 4361.373 ± 1.095 χ^2/NDF : 266752.3/10

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

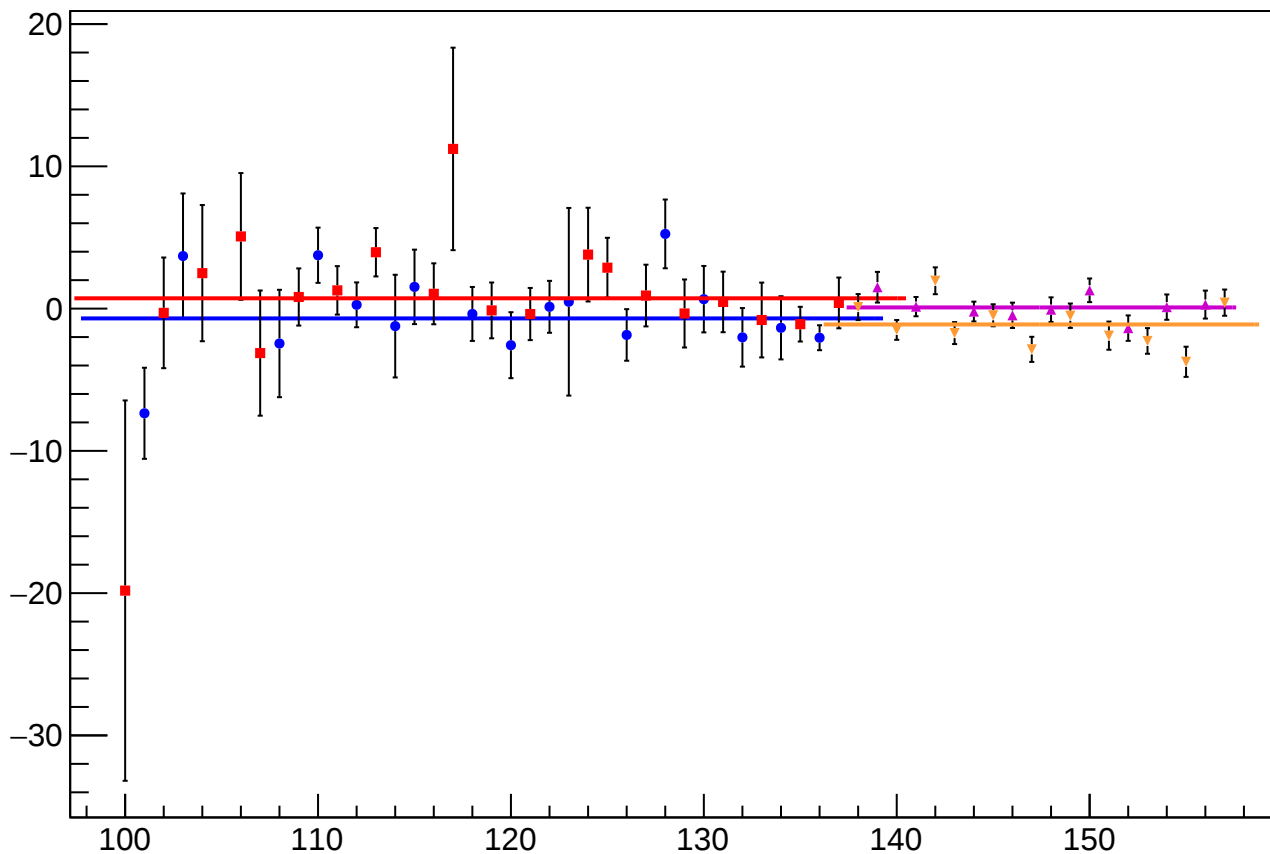
Left In: 4341.395 ± 1.154 χ^2/NDF : 327240.2/8

10.093 ± 0.007 χ^2/NDF : 27173462.6/27

10.031 ± 0.004 χ^2/NDF : 52836207.6/56

9.976 ± 0.006 χ^2/NDF : 25662575.6/28

diff_cav4cX_mean vs Slug, Sign Corrected



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

Left Out: -1.114 ± 0.261 χ^2/NDF : 29.6/10

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

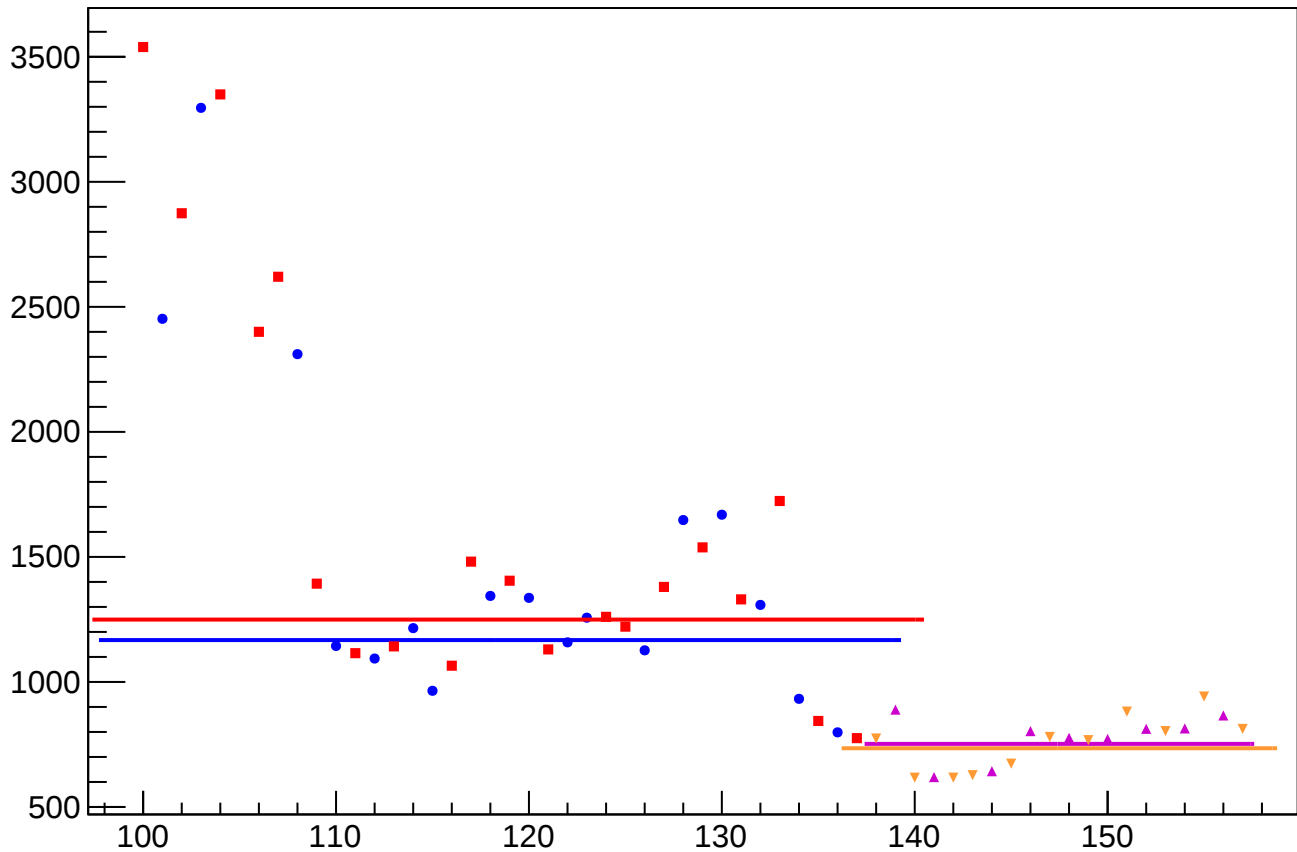
Left In: 0.083 ± 0.281 χ^2/NDF : 7.1/8

-1.018 ± 0.229 χ^2/NDF : 52.7/27

-0.431 ± 0.167 χ^2/NDF : 90.6/56

0.237 ± 0.245 χ^2/NDF : 23.9/28

diff_cav4cX_rms vs Slug, Sign Corrected



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

Left Out: 734.808 $\pm$ 0.184 χ^2 /NDF: 297287.9/10

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

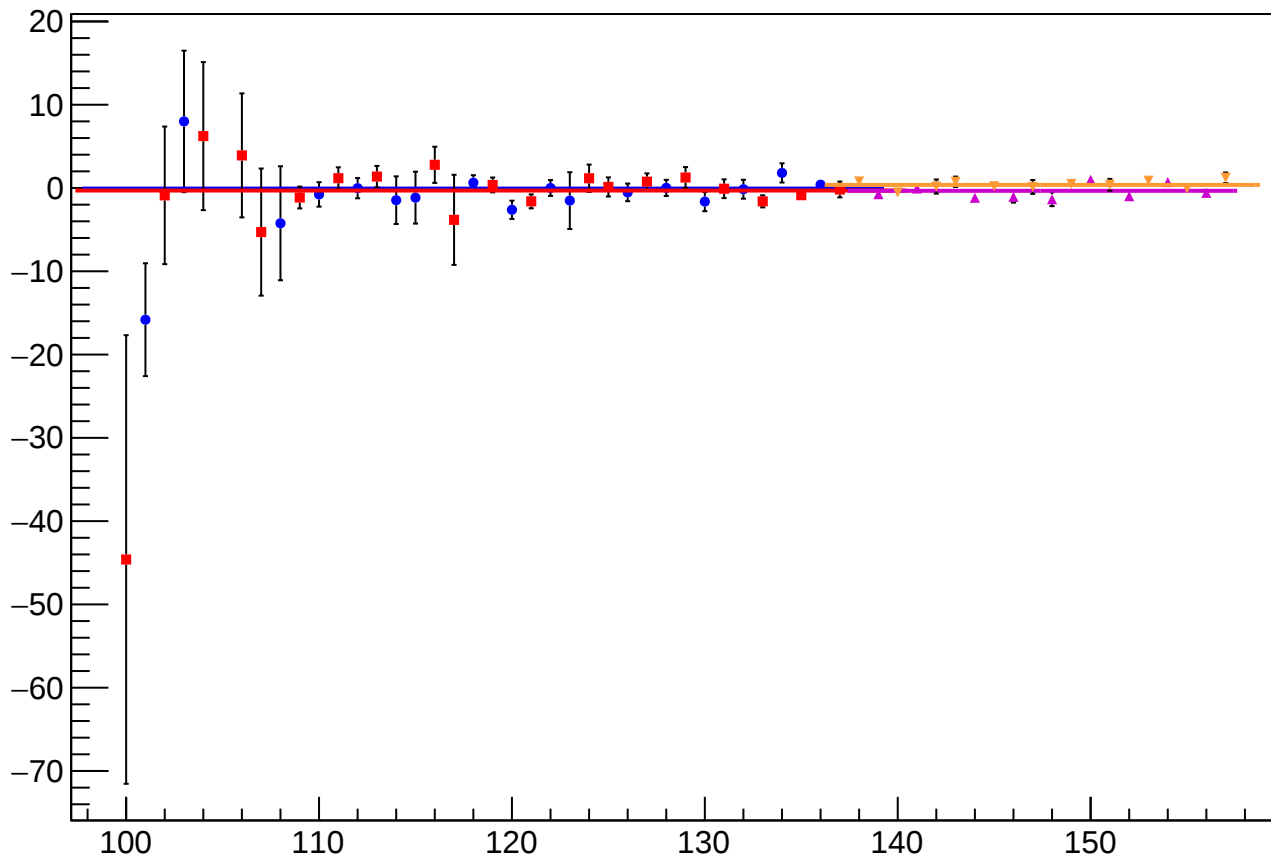
Left In: 752.311 $\pm$ 0.198 χ^2 /NDF: 213223.3/8

832.660 $\pm$ 0.162 χ^2 /NDF: 3120773.6/27

850.862 $\pm$ 0.118 χ^2 /NDF: 6522874.7/56

871.567 $\pm$ 0.173 χ^2 /NDF: 3375179.2/28

diff_cav4cY_mean vs Slug, Sign Corrected



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

Left Out: 0.373 $\pm$ 0.184 χ^2/NDF : 7.5/10

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

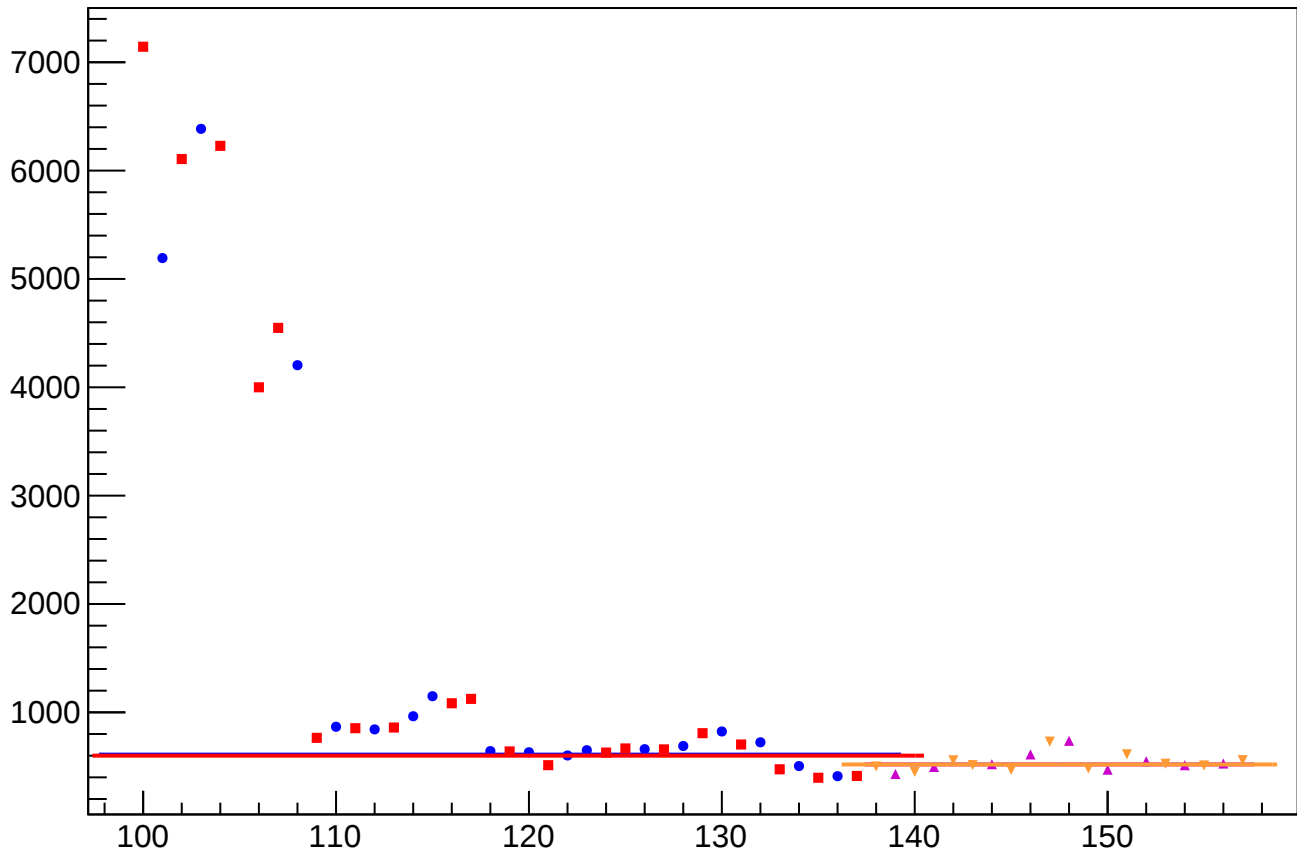
Left In: -0.338 $\pm$ 0.195 χ^2/NDF : 17.3/8

0.231 $\pm$ 0.152 χ^2/NDF : 28.6/27

-0.039 $\pm$ 0.109 χ^2/NDF : 73.1/56

-0.325 $\pm$ 0.157 χ^2/NDF : 38.0/28

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.780 ± 0.190 χ^2/NDF : 3135978.5/16

Left Out: 518.840 ± 0.130 χ^2/NDF : 241368.1/10

Right Out: 600.264 ± 0.186 χ^2/NDF : 3571191.0/19

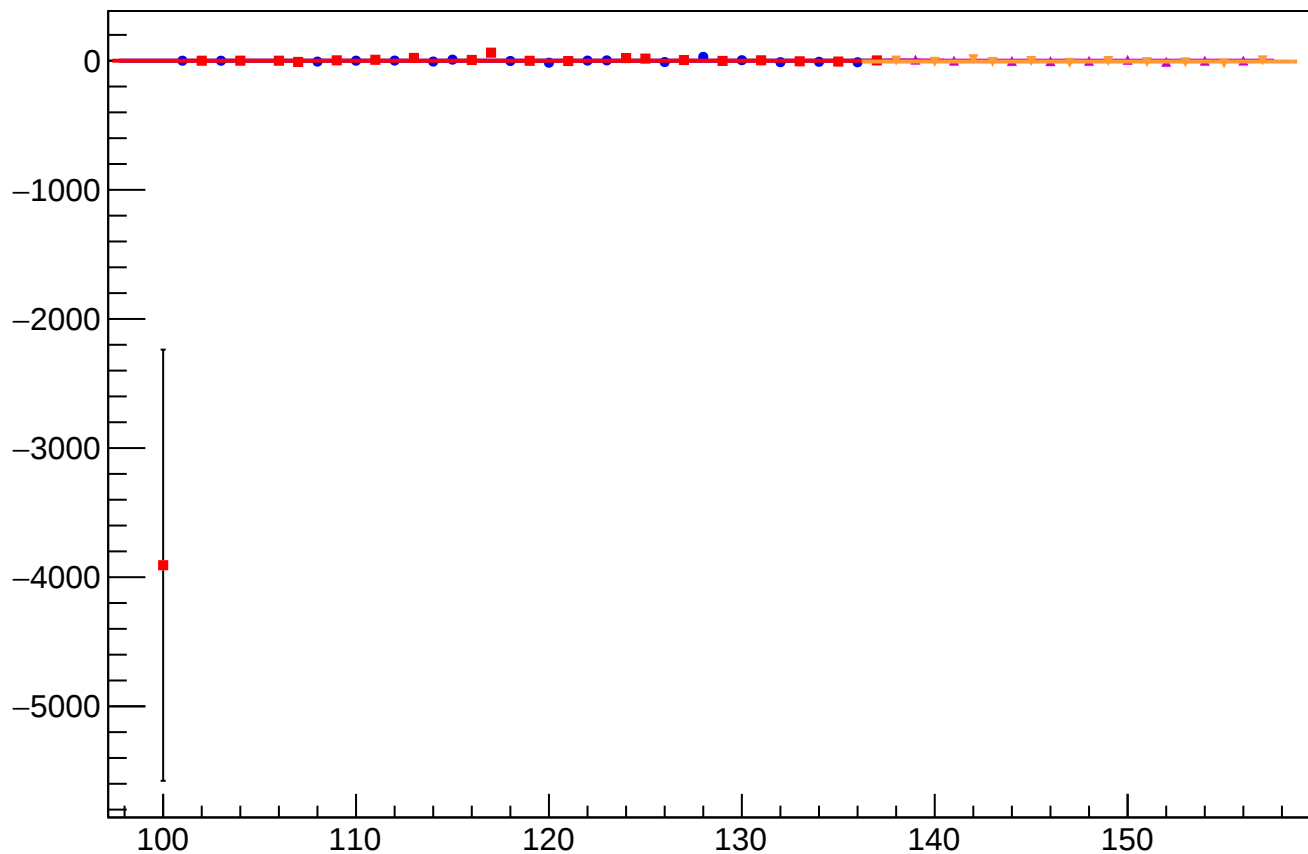
Left In: 519.525 ± 0.138 χ^2/NDF : 256450.5/8

547.872 ± 0.107 χ^2/NDF : 3533436.7/27

547.945 ± 0.077 χ^2/NDF : 7482490.0/56

548.022 ± 0.111 χ^2/NDF : 3949052.3/28

diff_cav4dX_mean vs Slug, Sign Corrected



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

Left Out: -6.422 ± 1.515 χ^2/NDF : 29.6/10

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

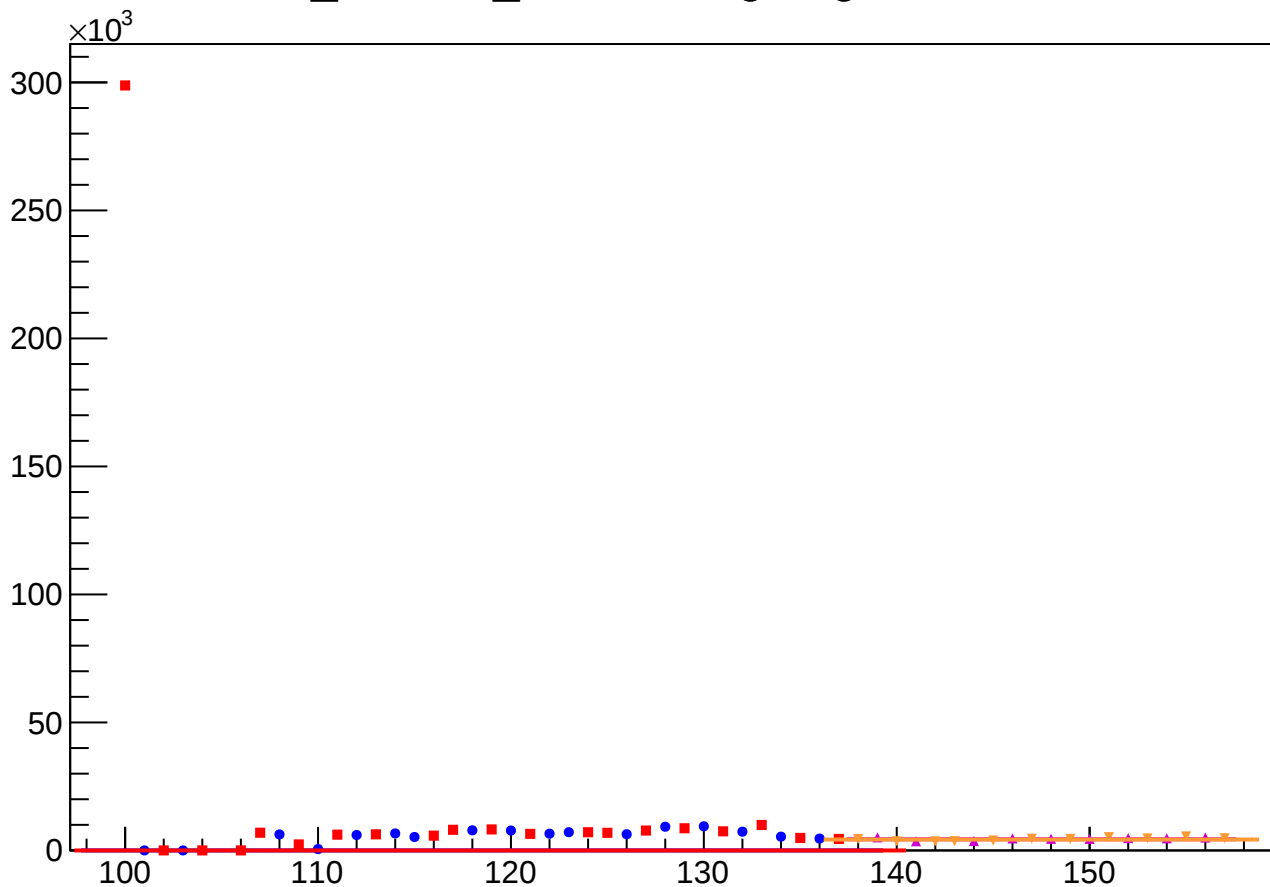
Left In: 0.478 ± 1.634 χ^2/NDF : 7.1/8

-0.023 ± 0.021 χ^2/NDF : 63.1/27

0.003 ± 0.014 χ^2/NDF : 93.7/56

0.027 ± 0.020 χ^2/NDF : 27.6/28

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.341 $\pm$ 0.015 χ^2/NDF : 10501445.0/16

Left Out: 4266.159 $\pm$ 1.071 χ^2/NDF : 320613.7/10

Right Out: 17.271 $\pm$ 0.014 χ^2/NDF : 10906837.9/19

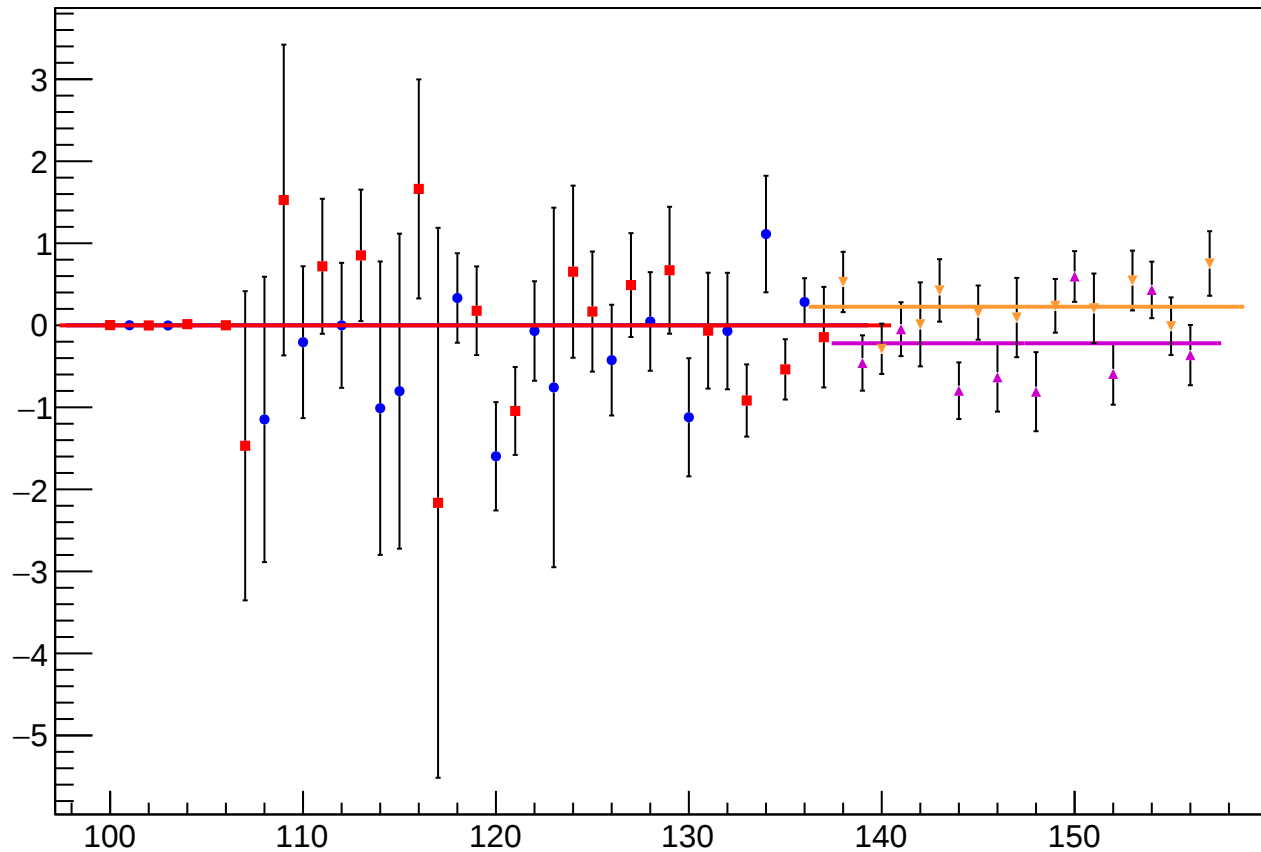
Left In: 4379.423 $\pm$ 1.156 χ^2/NDF : 226002.7/8

18.141 $\pm$ 0.015 χ^2/NDF : 26546396.8/27

18.019 $\pm$ 0.010 χ^2/NDF : 51927650.4/56

17.910 $\pm$ 0.014 χ^2/NDF : 25381123.6/28

diff_cav4dY_mean vs Slug, Sign Corrected



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

Left Out: 0.226 $\pm$ 0.112 χ^2/NDF : 7.1/10

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

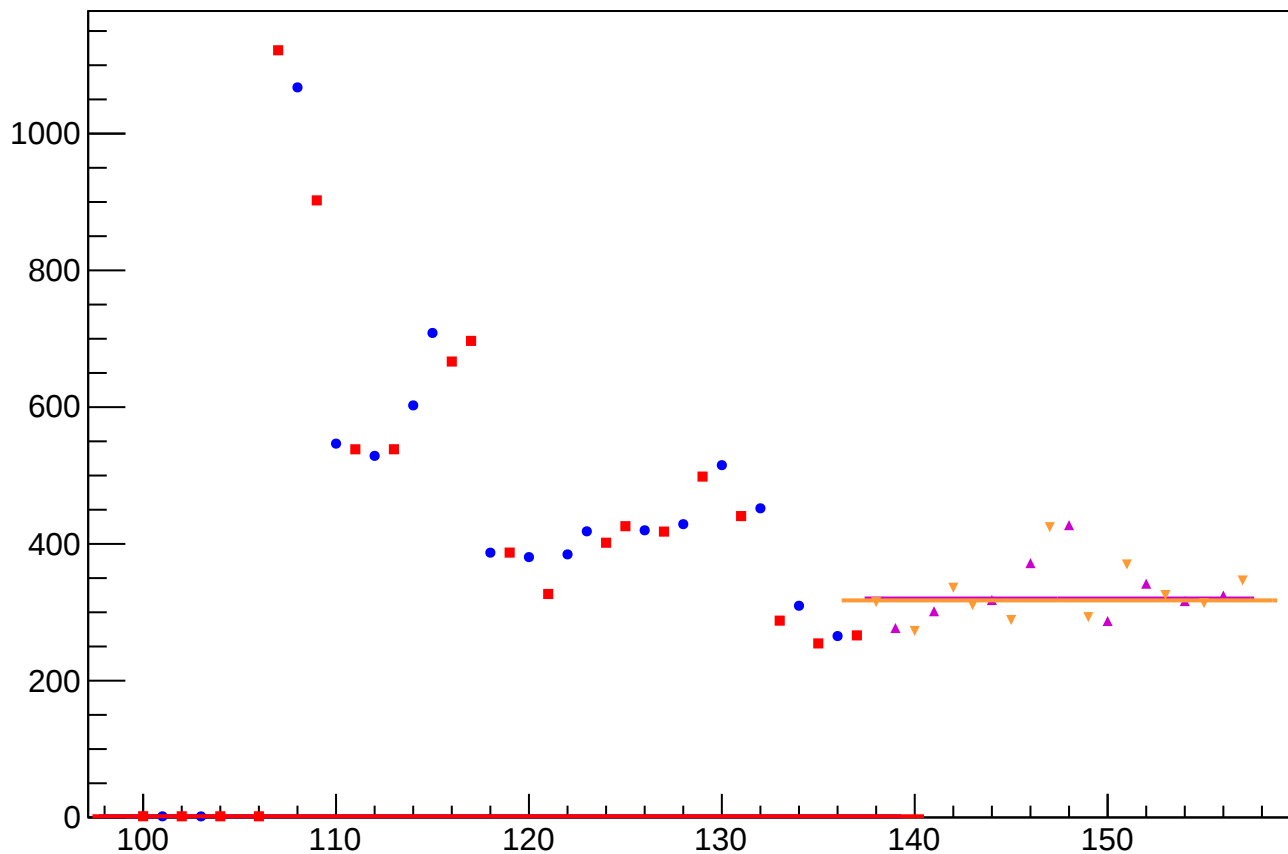
Left In: -0.219 $\pm$ 0.120 χ^2/NDF : 17.7/8

0.000 $\pm$ 0.002 χ^2/NDF : 24.9/27

-0.000 $\pm$ 0.001 χ^2/NDF : 64.4/56

-0.001 $\pm$ 0.002 χ^2/NDF : 39.4/28

diff_cav4dY_rms vs Slug, Sign Corrected



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

Left Out: 317.428 ± 0.079 χ^2/NDF : 212985.6/10

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

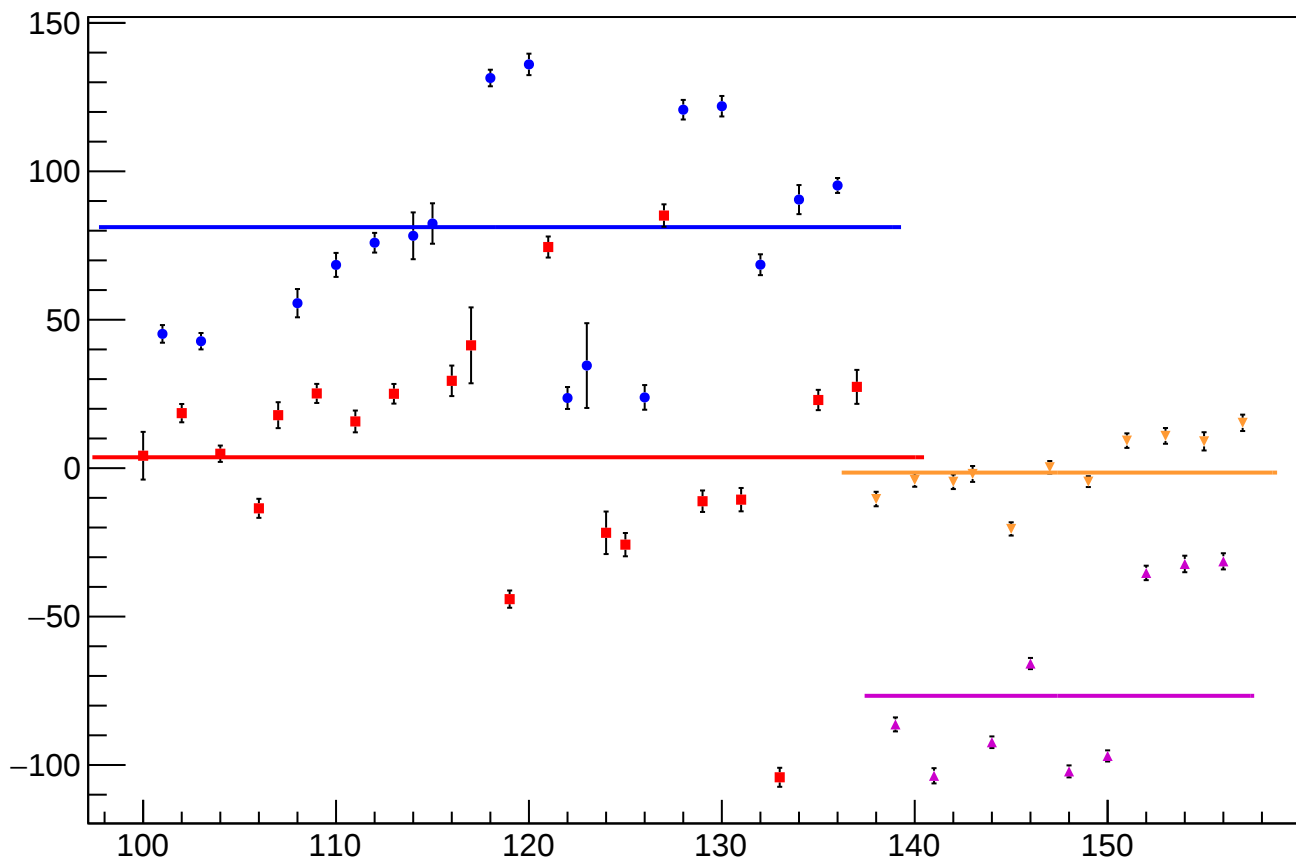
Left In: 320.148 ± 0.085 χ^2/NDF : 198690.7/8

1.802 ± 0.001 χ^2/NDF : 27044840.9/27

1.807 ± 0.001 χ^2/NDF : 52232448.2/56

1.812 ± 0.001 χ^2/NDF : 25187579.0/28

diff_bpm0i01X_mean vs Slug, Sign Corrected



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

Left Out: -1.491 $\pm$ 0.719 χ^2 /NDF: 181.3/10

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

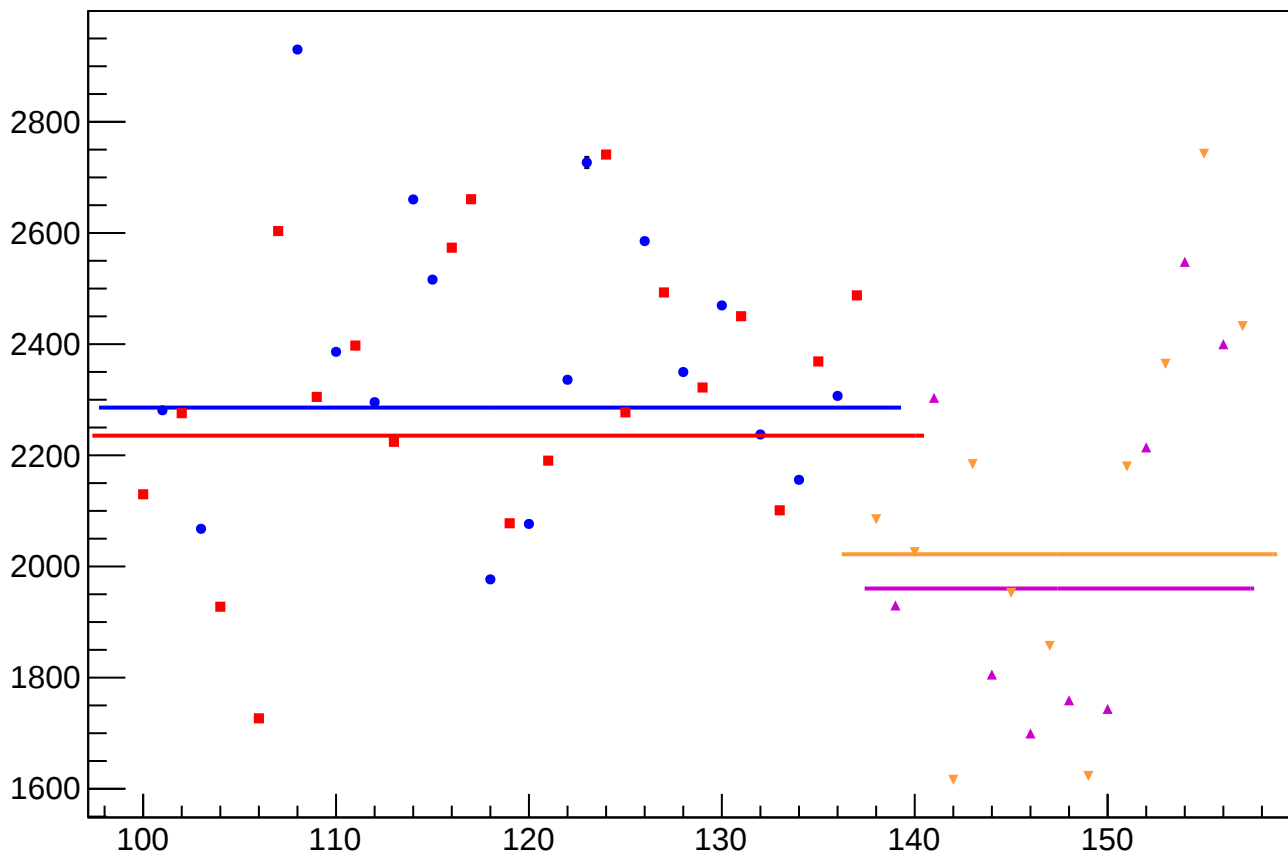
Left In: -76.693 $\pm$ 0.738 χ^2 /NDF: 1318.8/8

31.343 $\pm$ 0.558 χ^2 /NDF: 7146.8/27

-5.390 $\pm$ 0.393 χ^2 /NDF: 24844.8/56

-41.692 $\pm$ 0.555 χ^2 /NDF: 9084.8/28

diff_bpm0i01X_rms vs Slug, Sign Corrected



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

Left Out: 2022.023 +/- 0.508 χ^2/NDF : 369028.2/10

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

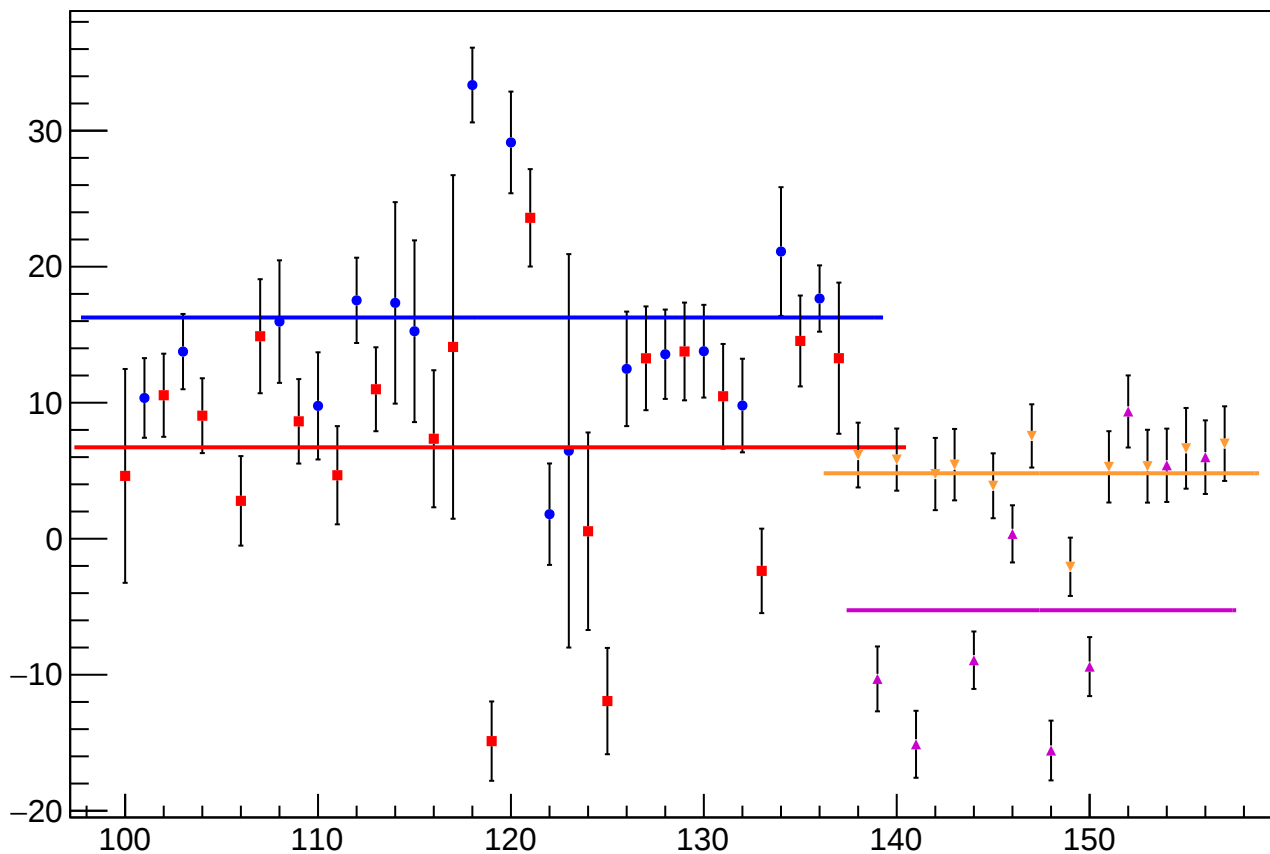
Left In: 1960.334 +/- 0.522 χ^2/NDF : 296168.5/8

2126.780 +/- 0.395 χ^2/NDF : 585367.5/27

2103.318 +/- 0.278 χ^2/NDF : 1158486.8/56

2080.131 +/- 0.392 χ^2/NDF : 566091.3/28

diff_bpm0i01Y_mean vs Slug, Sign Corrected



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

Left Out: 4.814 $\pm$ 0.753 χ^2 /NDF:13.5/10

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

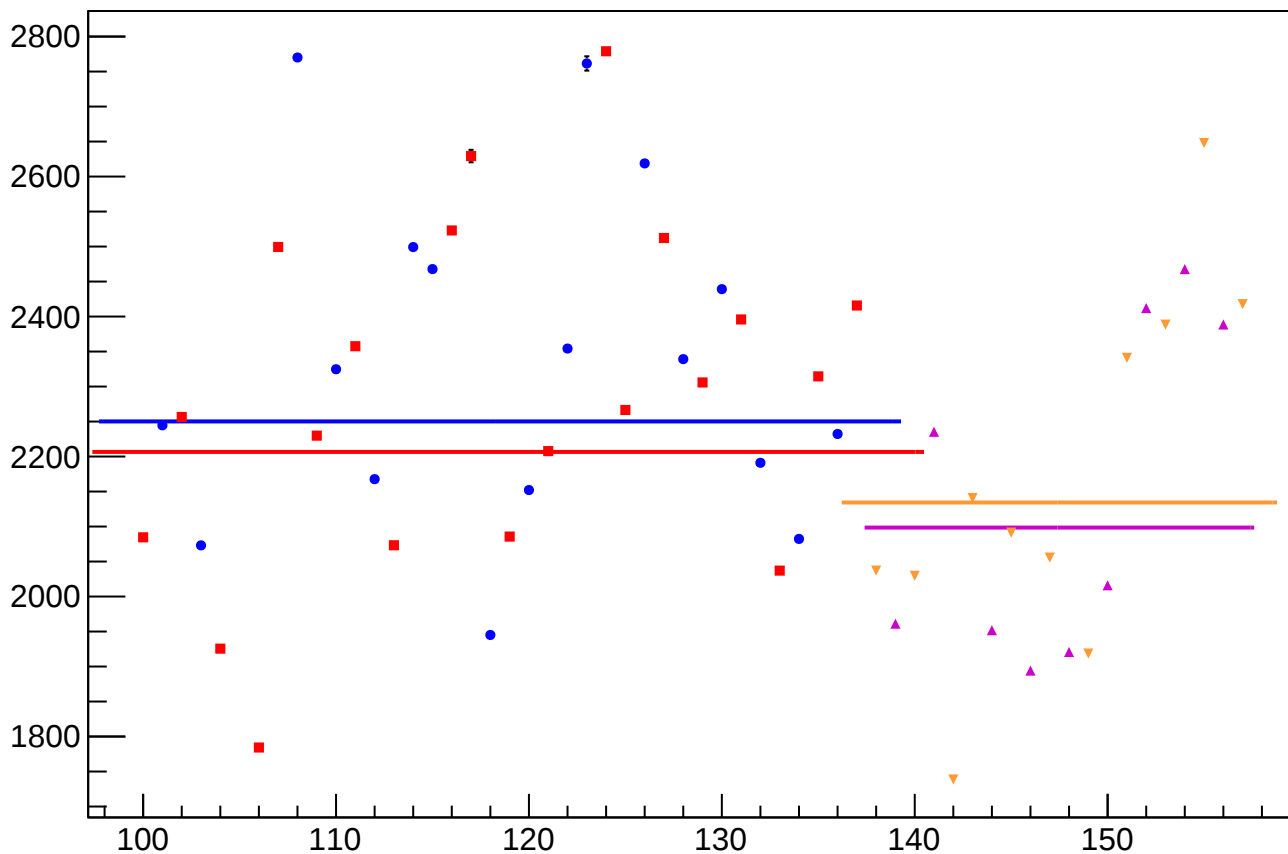
Left In: -5.258 $\pm$ 0.784 χ^2 /NDF:119.7/8

9.707 $\pm$ 0.570 χ^2 /NDF: 193.2/27

5.050 $\pm$ 0.403 χ^2 /NDF: 691.0/56

0.396 $\pm$ 0.570 χ^2 /NDF: 364.3/28

diff_bpm0i01Y_rms vs Slug, Sign Corrected



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

Left Out: 2134.379 $\pm$ 0.532 χ^2/NDF : 186895.5/10

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

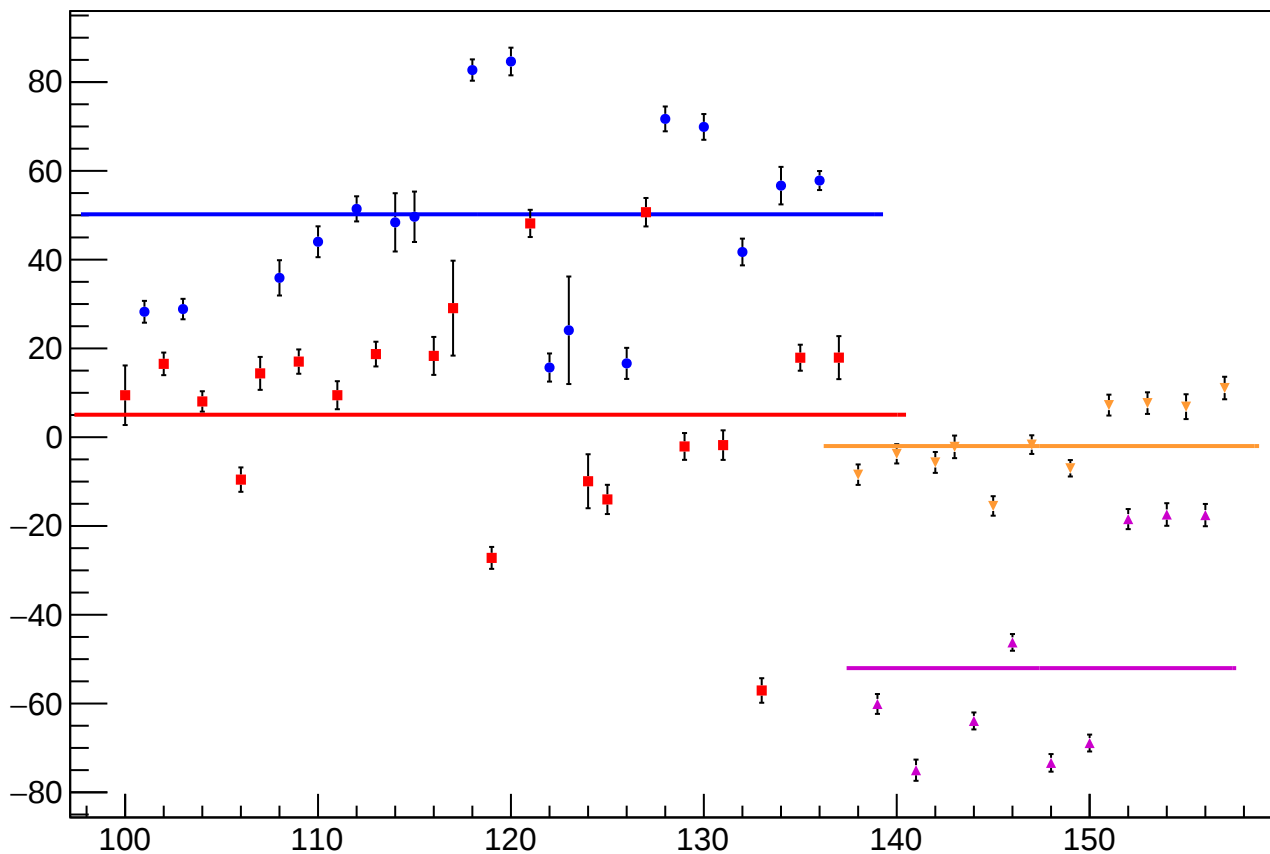
Left In: 2098.522 $\pm$ 0.554 χ^2/NDF : 145861.0/8

2183.861 $\pm$ 0.403 χ^2/NDF : 304693.9/27

2166.695 $\pm$ 0.285 χ^2/NDF : 600618.1/56

2149.541 $\pm$ 0.403 χ^2/NDF : 292293.9/28

diff_bpm0i01aX_mean vs Slug, Sign Corrected



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

Left Out: -1.994 ± 0.691 χ^2/NDF : 123.8/10

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

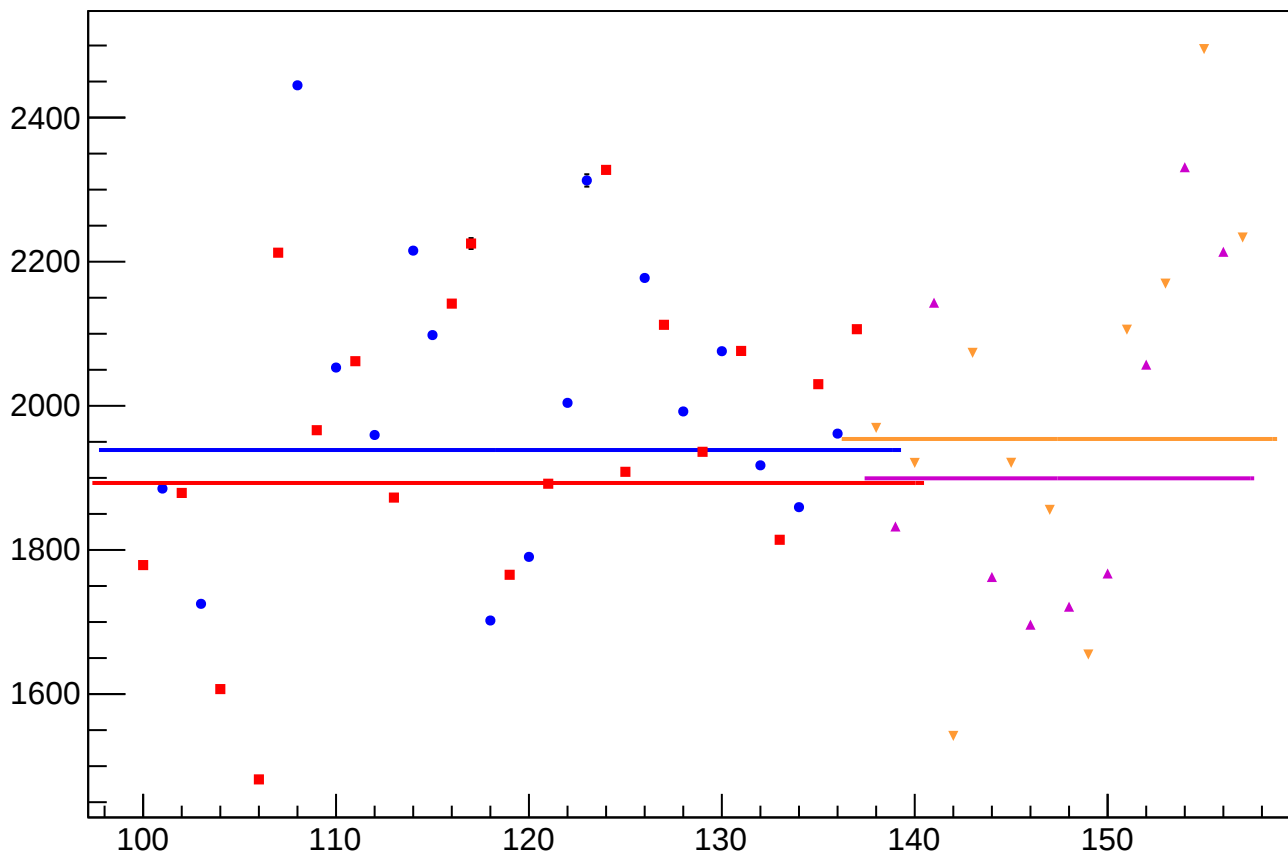
Left In: -52.022 ± 0.712 χ^2/NDF : 941.9/8

21.955 ± 0.508 χ^2/NDF : 3571.7/27

-0.971 ± 0.358 χ^2/NDF : 13020.3/56

-23.453 ± 0.504 χ^2/NDF : 5422.6/28

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1938.688+/-0.531 $\chi^2/\text{NDF}: 100143.1/16$

Left Out: 1954.007+/-0.489 $\chi^2/\text{NDF}: 246396.6/10$

Right Out: 1892.946+/-0.503 $\chi^2/\text{NDF}: 148563.2/19$

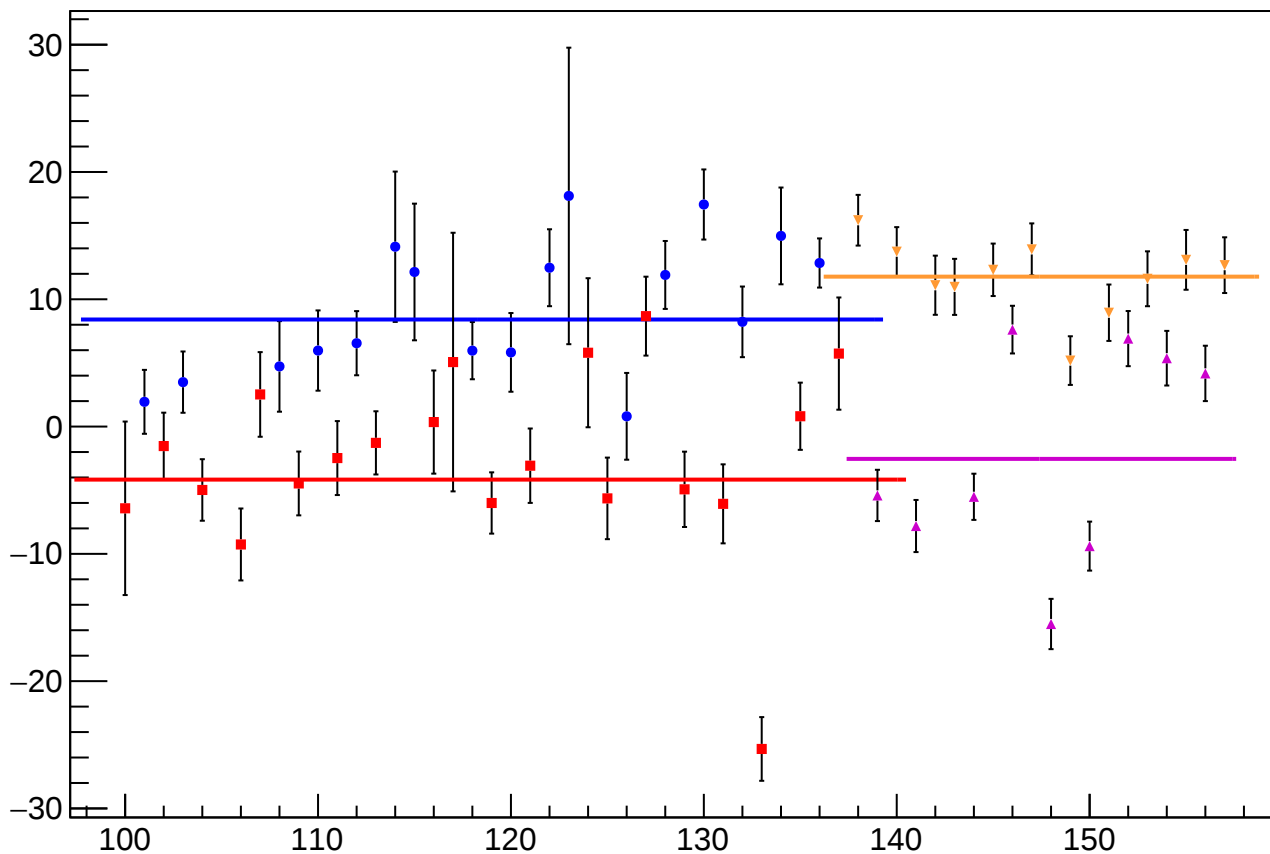
Left In: 1899.405+/-0.504 $\chi^2/\text{NDF}: 180495.0/8$

1946.980+/-0.360 $\chi^2/\text{NDF}: 346990.4/27$

1921.328+/-0.253 $\chi^2/\text{NDF}: 686211.8/56$

1896.173+/-0.356 $\chi^2/\text{NDF}: 329140.5/28$

diff_bpm0i01aY_mean vs Slug, Sign Corrected



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

Left Out: 11.778 ± 0.636 $\chi^2/\text{NDF}: 21.4/10$

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

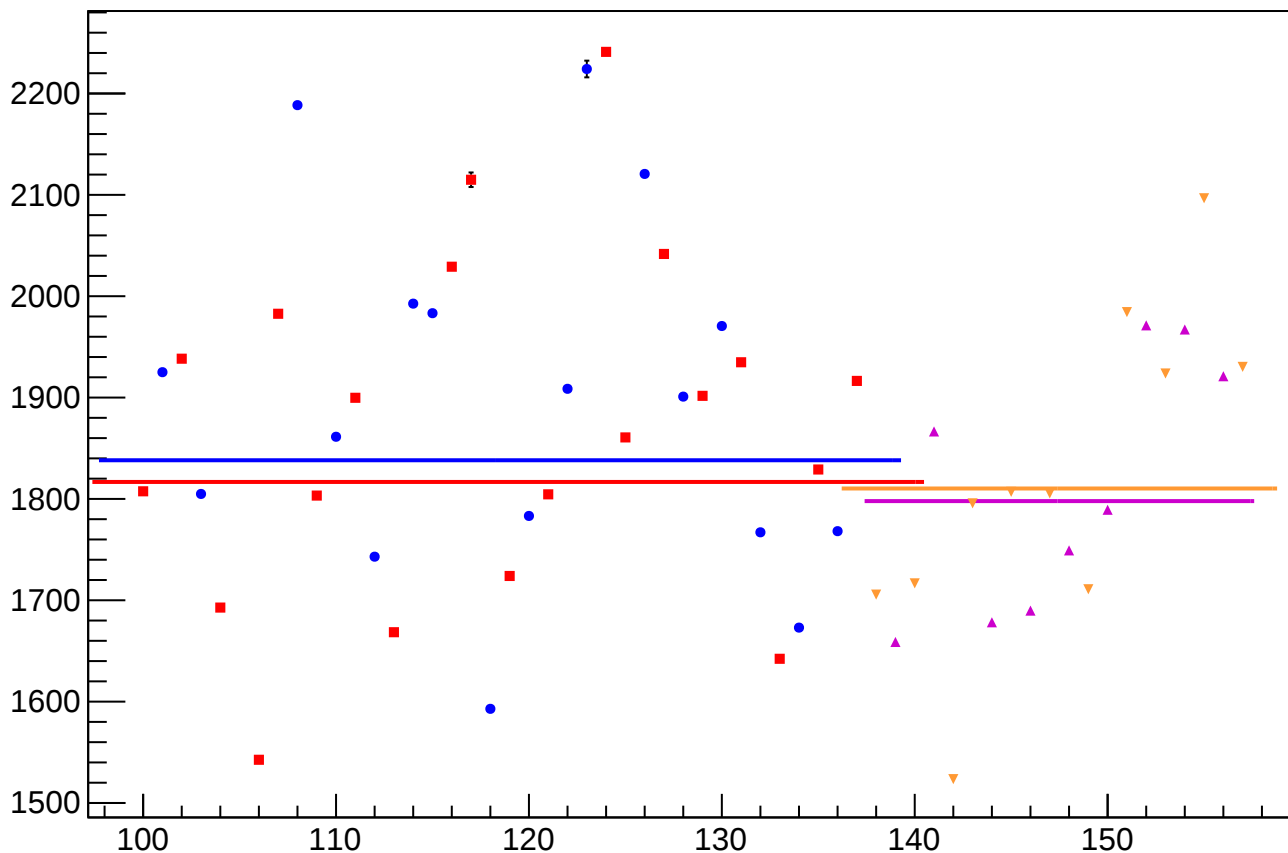
Left In: -2.539 ± 0.668 $\chi^2/\text{NDF}: 138.7/8$

10.282 ± 0.474 $\chi^2/\text{NDF}: 78.4/27$

3.509 ± 0.336 $\chi^2/\text{NDF}: 744.1/56$

-3.337 ± 0.477 $\chi^2/\text{NDF}: 255.5/28$

diff_bpm0i01aY_rms vs Slug, Sign Corrected



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

Left Out: 1810.289 $\pm$ 0.450 χ^2/NDF : 99831.1/10

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

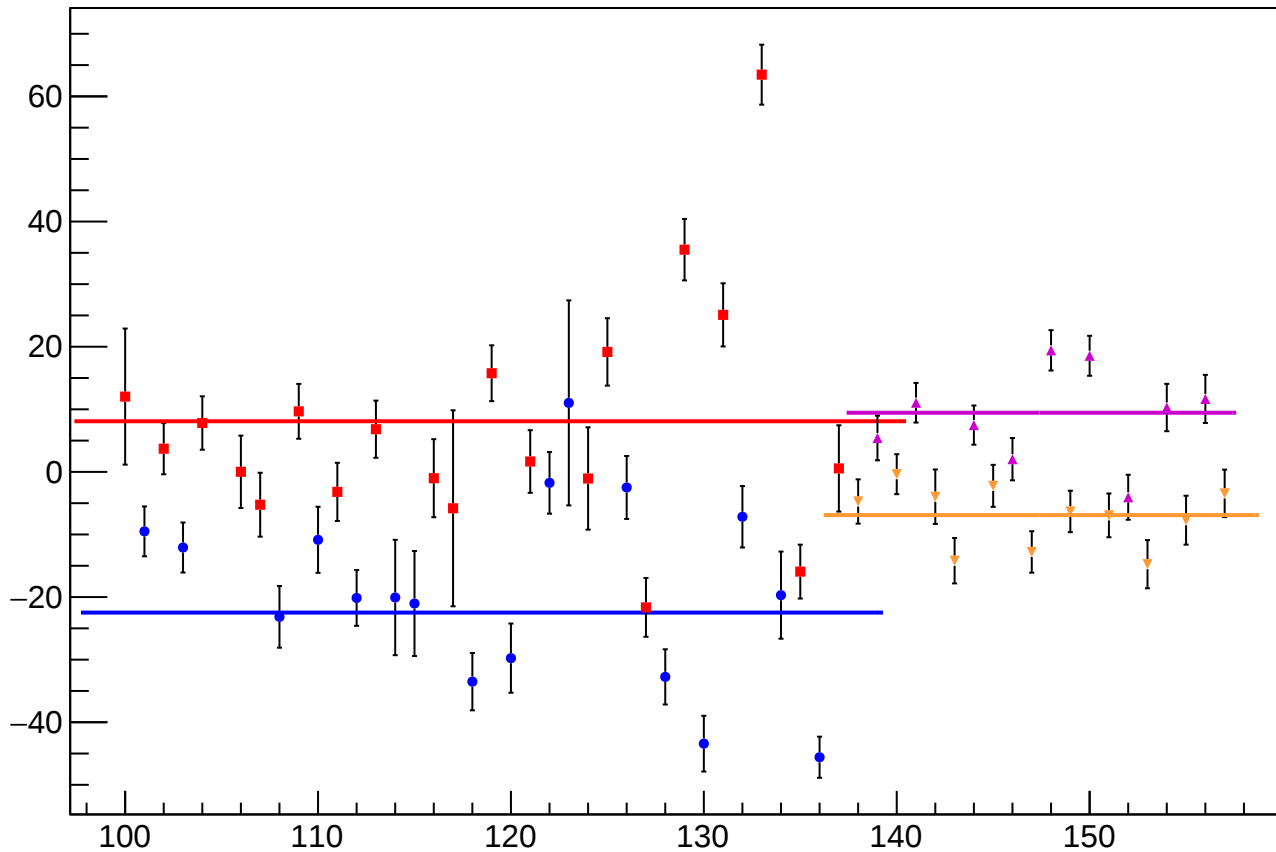
Left In: 1797.852 $\pm$ 0.472 χ^2/NDF : 60039.8/8

1822.671 $\pm$ 0.335 χ^2/NDF : 184413.8/27

1814.937 $\pm$ 0.238 χ^2/NDF : 335458.1/56

1807.119 $\pm$ 0.337 χ^2/NDF : 149974.5/28

diff_bpm0l01X_mean vs Slug, Sign Corrected



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

Left Out: -6.902 $\pm$ 1.077 χ^2 /NDF: 19.2/10

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

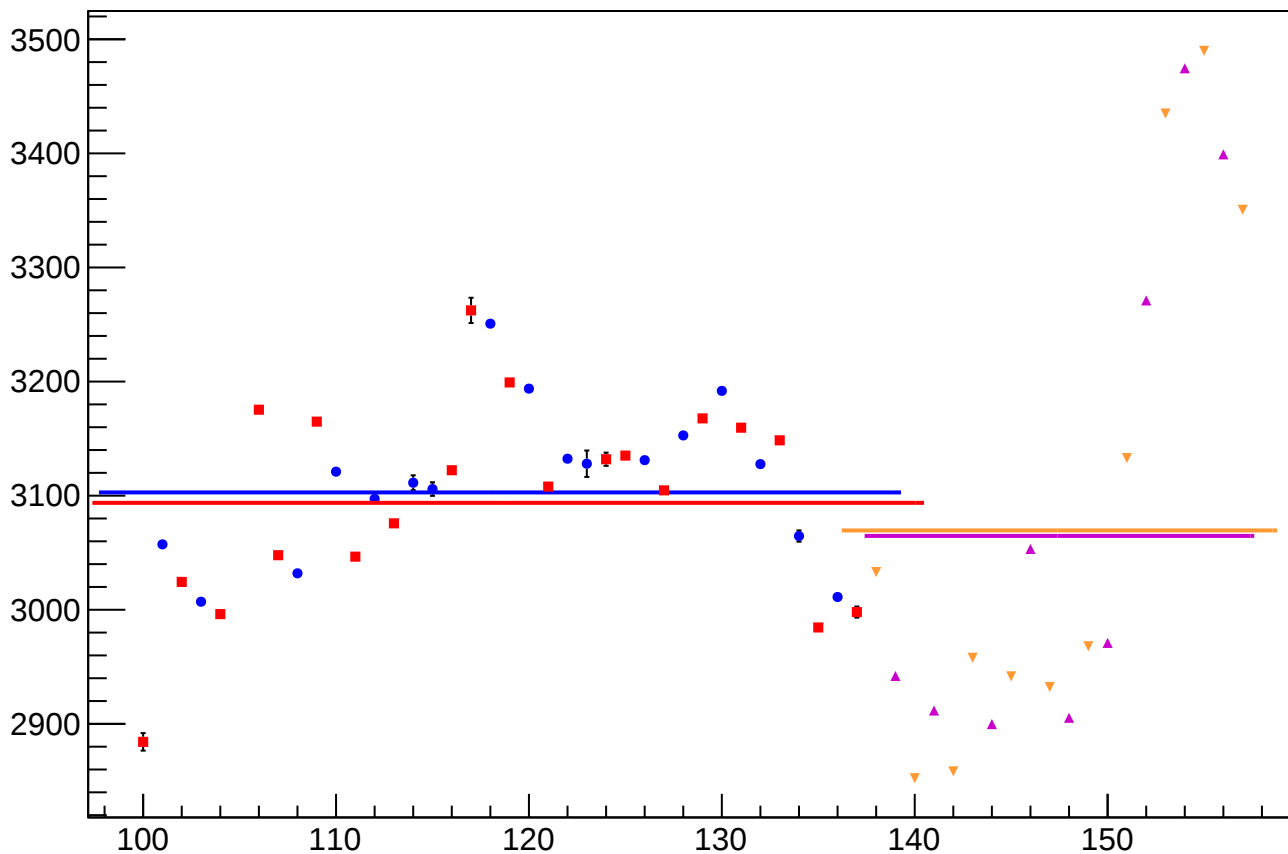
Left In: 9.456 $\pm$ 1.134 χ^2 /NDF: 38.9/8

-13.884 $\pm$ 0.800 χ^2 /NDF: 267.7/27

-2.674 $\pm$ 0.569 χ^2 /NDF: 982.2/56

8.786 $\pm$ 0.809 χ^2 /NDF: 317.3/28

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3102.846 ± 0.845 $\chi^2/\text{NDF}: 7344.9/16$

Left Out: 3069.522 ± 0.762 $\chi^2/\text{NDF}: 77082.1/10$

Right Out: 3093.715 ± 0.816 $\chi^2/\text{NDF}: 7996.8/19$

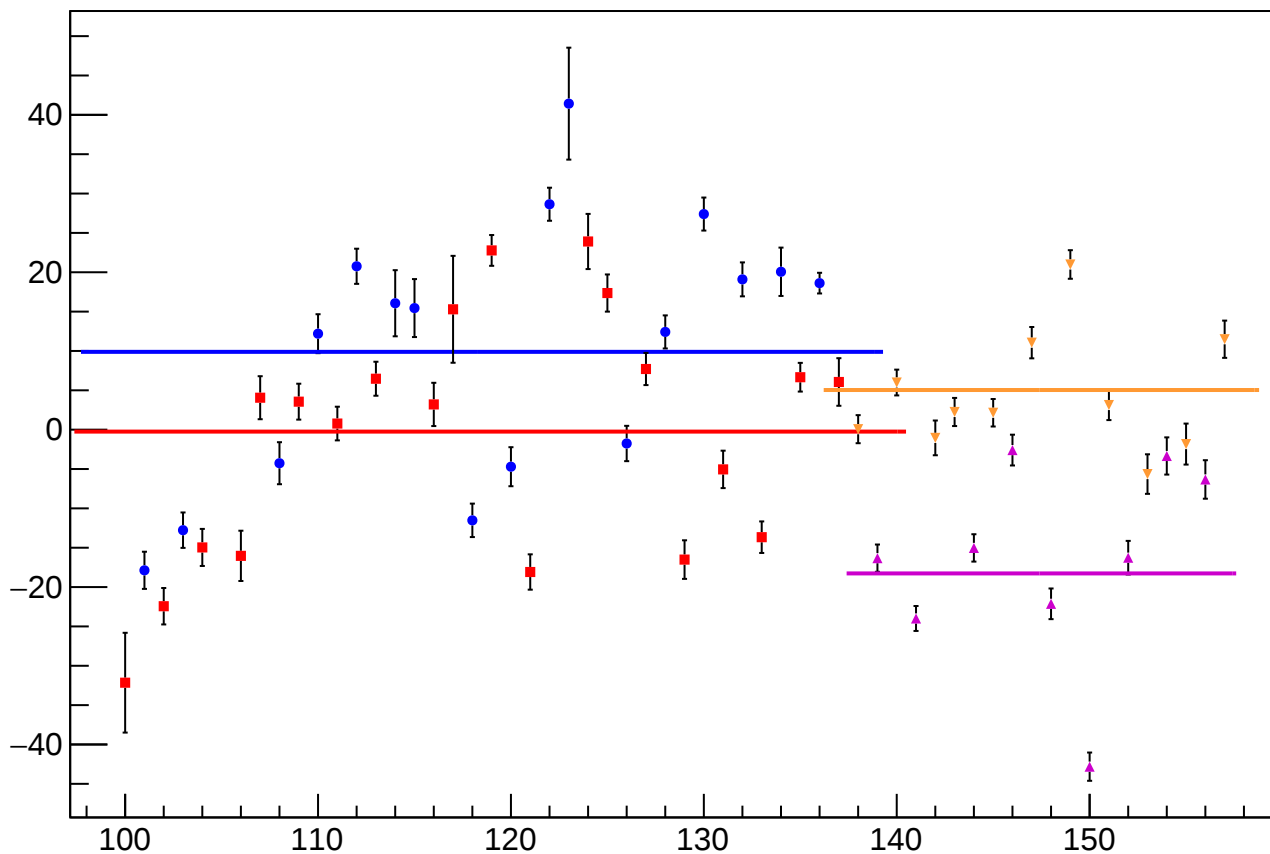
Left In: 3064.730 ± 0.802 $\chi^2/\text{NDF}: 64427.8/8$

3084.461 ± 0.566 $\chi^2/\text{NDF}: 85285.4/27$

3081.752 ± 0.402 $\chi^2/\text{NDF}: 158398.5/56$

3078.983 ± 0.572 $\chi^2/\text{NDF}: 73066.7/28$

diff_bpm0l01Y_mean vs Slug, Sign Corrected



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

Left Out: 5.037 $\pm$ 0.593 χ^2/NDF : 140.6/10

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

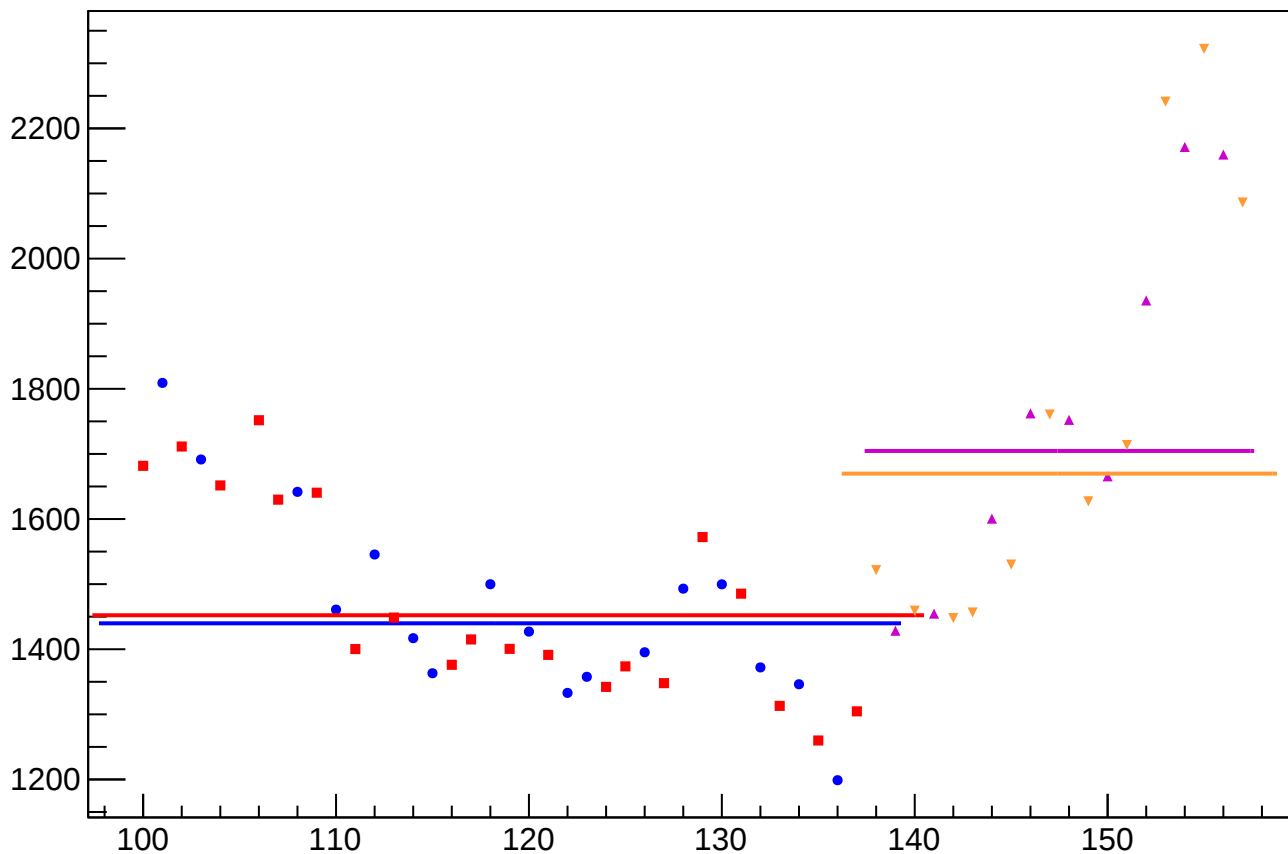
Left In: -18.265 $\pm$ 0.637 χ^2/NDF : 337.5/8

7.603 $\pm$ 0.407 χ^2/NDF : 879.6/27

0.010 $\pm$ 0.290 χ^2/NDF : 3022.1/56

-7.860 $\pm$ 0.414 χ^2/NDF : 1433.4/28

diff_bpm0l01Y_rms vs Slug, Sign Corrected



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

Left Out: 1669.757 $\pm$ 0.419 χ^2 /NDF: 405421.3/10

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

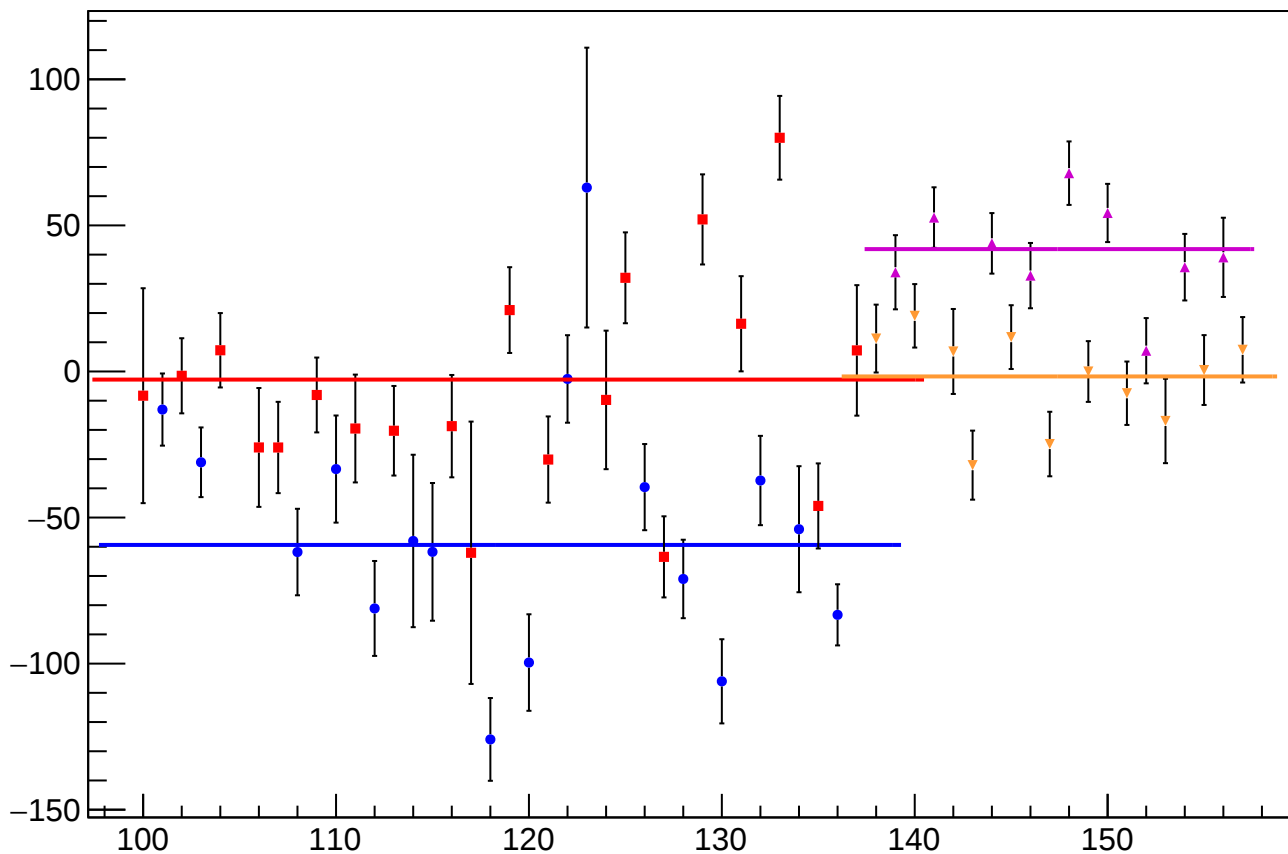
Left In: 1704.566 $\pm$ 0.451 χ^2 /NDF: 282259.1/8

1548.144 $\pm$ 0.288 χ^2 /NDF: 737376.5/27

1553.398 $\pm$ 0.205 χ^2 /NDF: 1340009.4/56

1558.844 $\pm$ 0.293 χ^2 /NDF: 601953.7/28

diff_bpm0l02X_mean vs Slug, Sign Corrected



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

Left Out: -1.703 ± 3.495 χ^2/NDF : 19.9/10

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

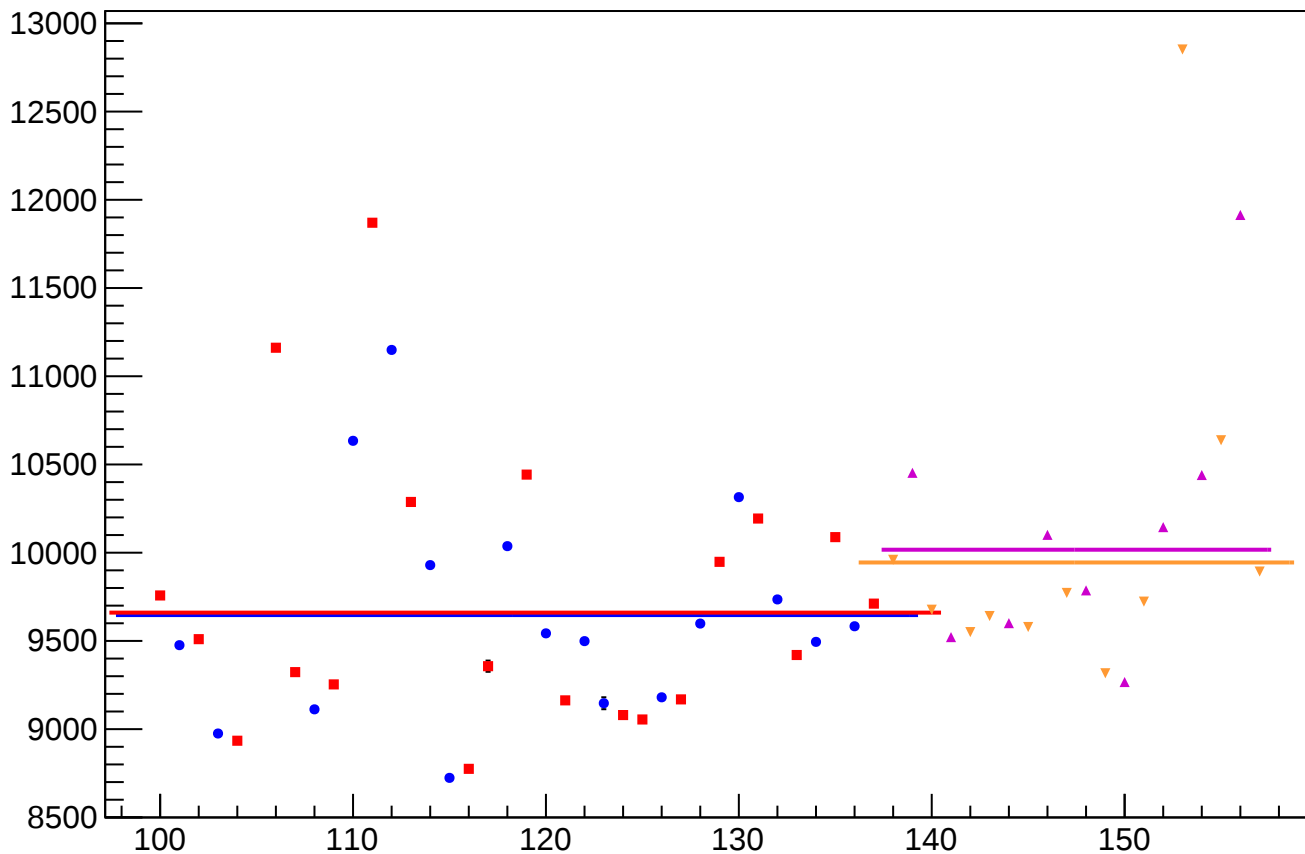
Left In: 41.888 ± 3.713 χ^2/NDF : 19.5/8

-28.674 ± 2.550 χ^2/NDF : 240.1/27

-5.229 ± 1.817 χ^2/NDF : 601.3/56

18.978 ± 2.591 χ^2/NDF : 189.4/28

diff_bpm0l02X_rms vs Slug, Sign Corrected



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

Left Out: 9944.556 $\pm$ 2.471 χ^2 /NDF: 102616.3/10

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

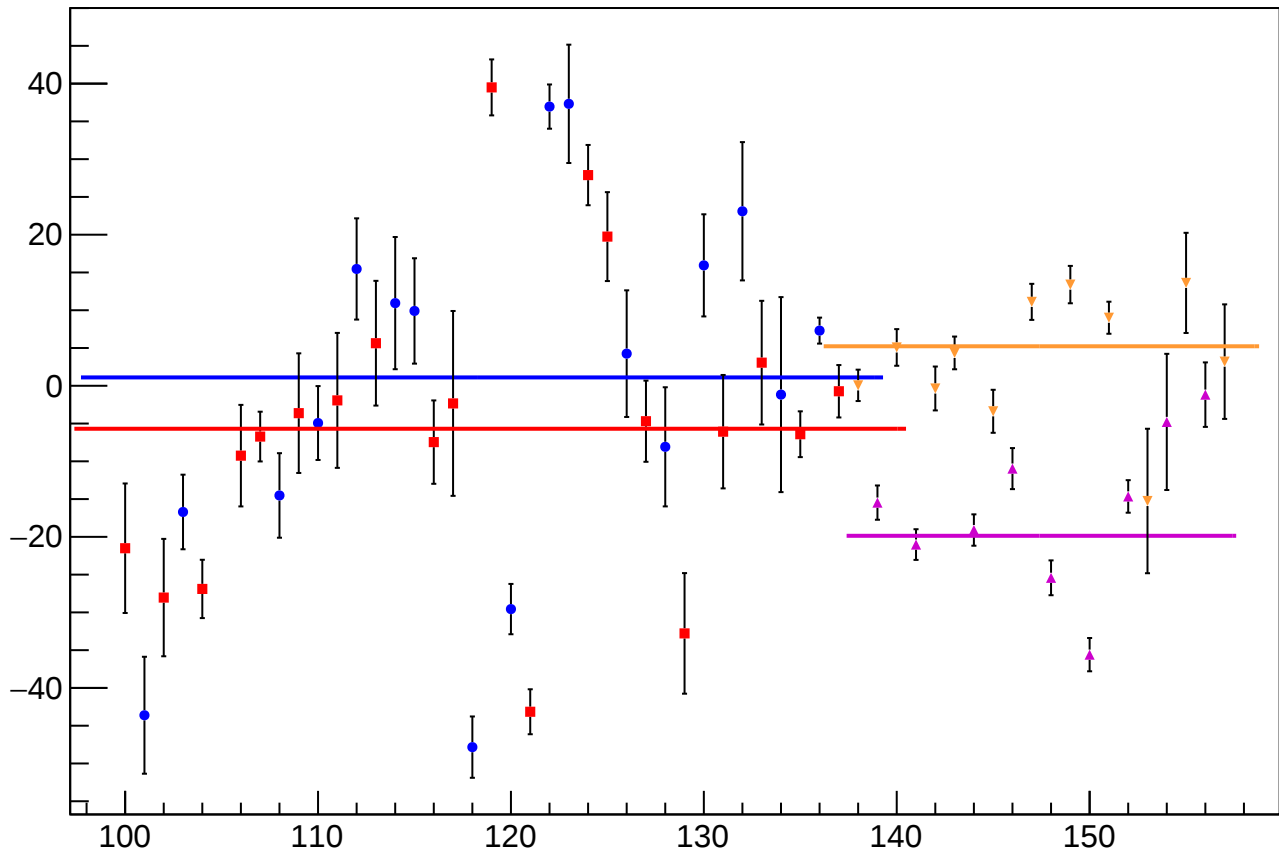
Left In: 10016.883 $\pm$ 2.625 χ^2 /NDF: 64668.9/8

9805.155 $\pm$ 1.803 χ^2 /NDF: 153479.9/27

9819.354 $\pm$ 1.285 χ^2 /NDF: 305409.5/56

9834.015 $\pm$ 1.832 χ^2 /NDF: 151803.5/28

diff_bpm0l02Y_mean vs Slug, Sign Corrected



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

Left Out: 5.229 $\pm$ 0.825 χ^2/NDF : 45.6/10

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

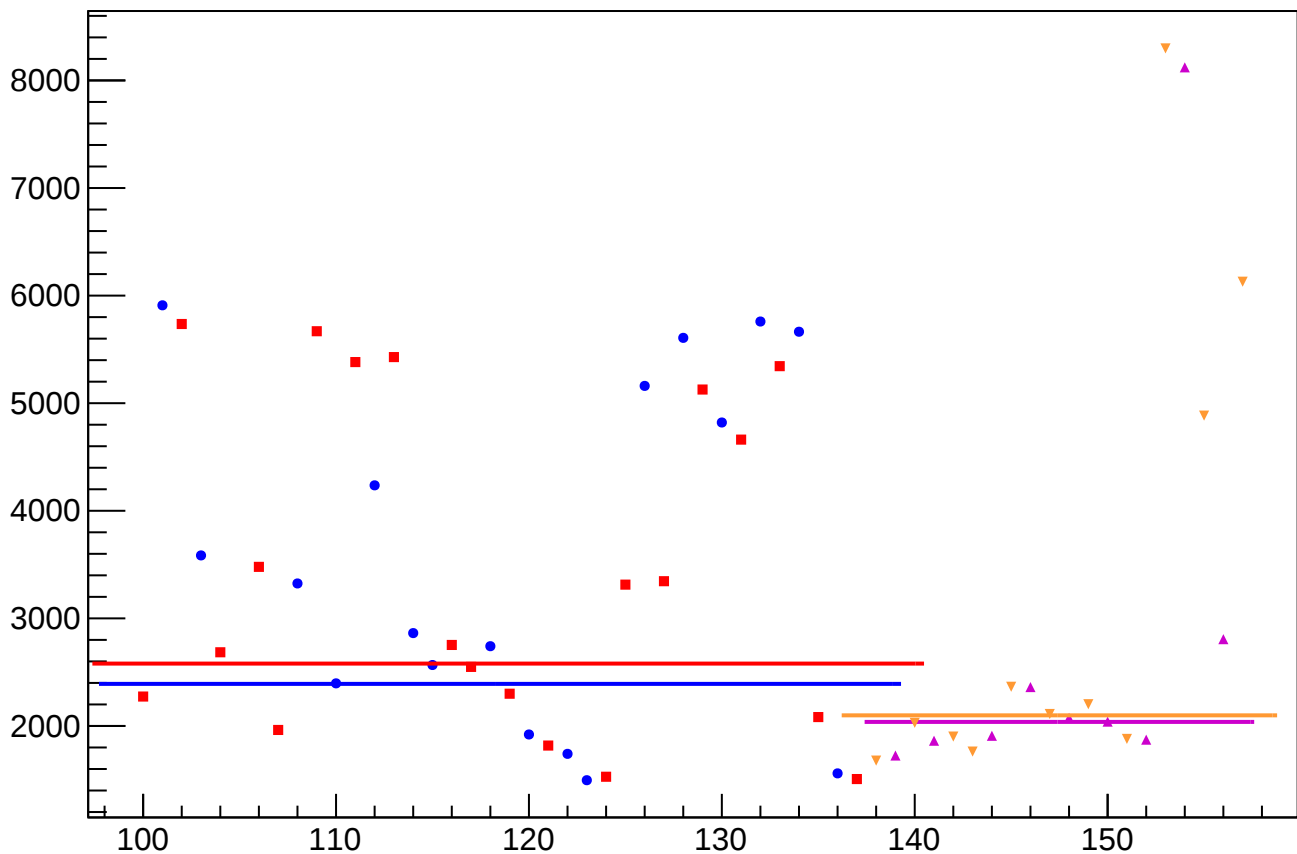
Left In: -19.860 $\pm$ 0.822 χ^2/NDF : 99.5/8

3.685 $\pm$ 0.653 χ^2/NDF : 544.6/27

-5.469 $\pm$ 0.462 χ^2/NDF : 1603.7/56

-14.705 $\pm$ 0.655 χ^2/NDF : 663.8/28

diff_bpm0l02Y_rms vs Slug, Sign Corrected



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

Left Out: 2098.739 $\pm$ 0.583 χ^2 /NDF:1942148.4/10

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

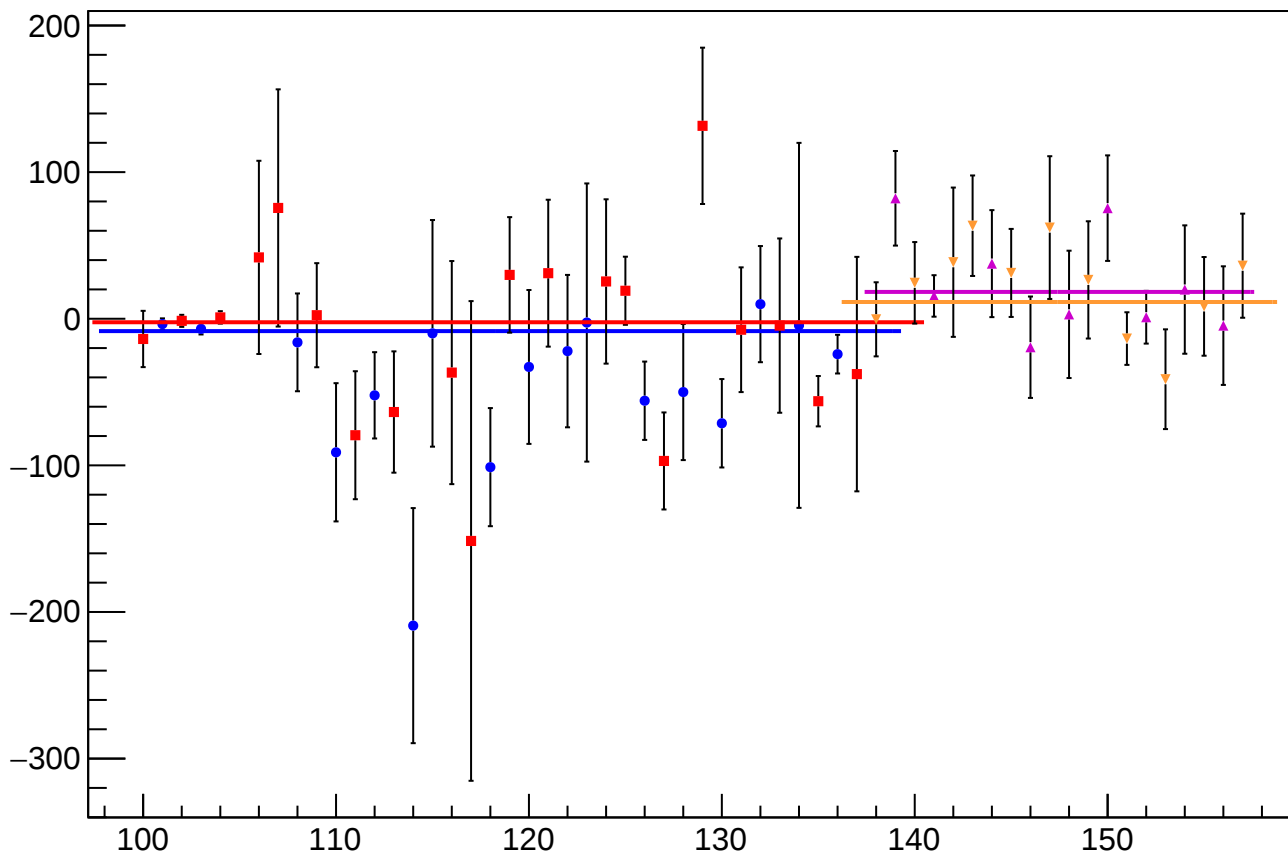
Left In: 2037.675 $\pm$ 0.581 χ^2 /NDF:1077247.2/8

2208.228 $\pm$ 0.461 χ^2 /NDF: 4636764.5/27

2221.488 $\pm$ 0.327 χ^2 /NDF: 8397585.1/56

2234.866 $\pm$ 0.463 χ^2 /NDF: 3759161.5/28

diff_bpm0l03X_mean vs Slug, Sign Corrected



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

Left Out: 11.425 ± 9.167 χ^2/NDF : 9.5/10

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

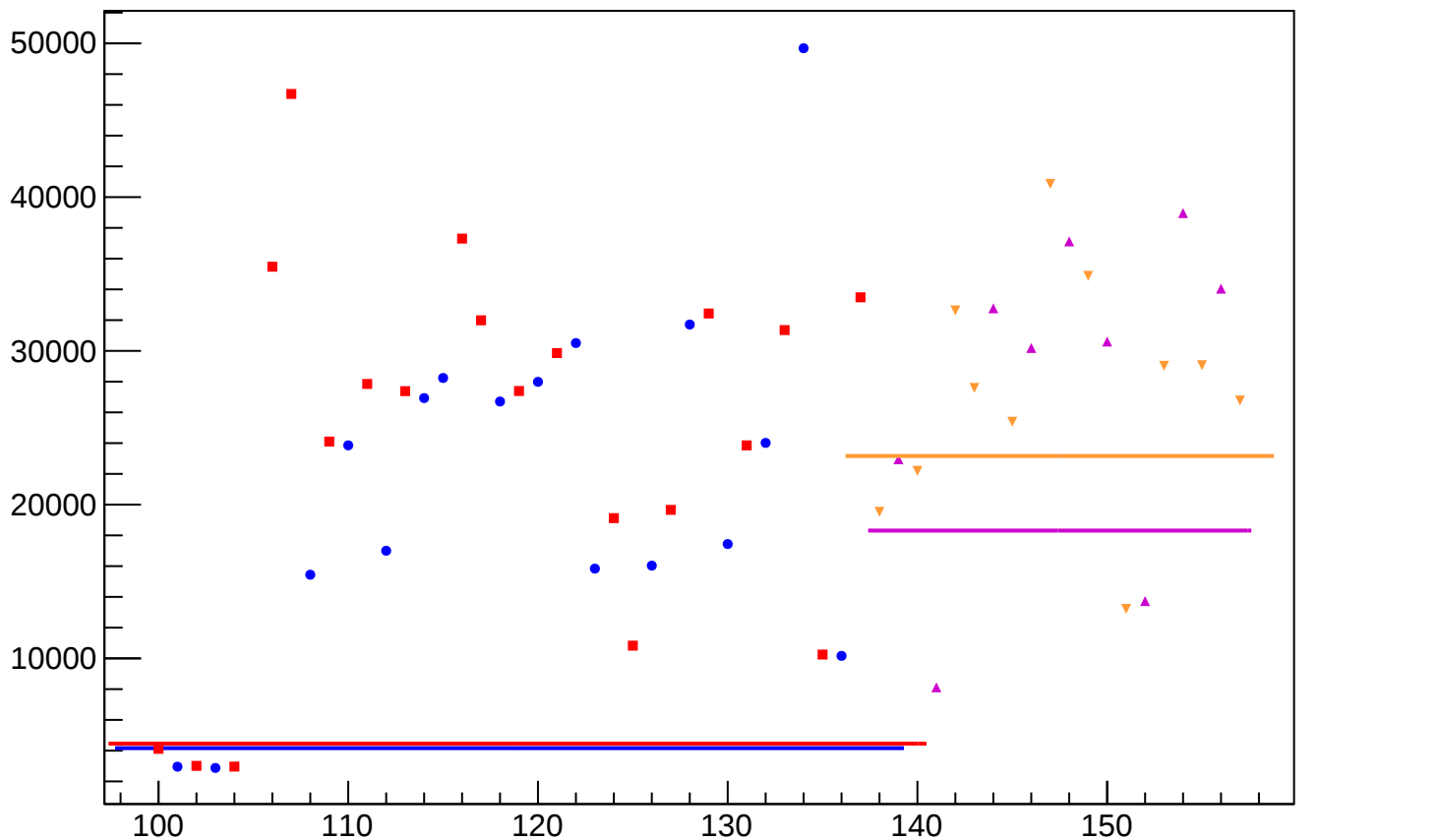
Left In: 18.299 ± 8.747 χ^2/NDF : 9.3/8

-6.965 ± 2.490 χ^2/NDF : 42.8/27

-3.933 ± 1.816 χ^2/NDF : 95.8/56

-0.485 ± 2.655 χ^2/NDF : 49.9/28

diff_bpm0l03X_rms vs Slug, Sign Corrected



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

Left Out: 23163.893+/-6.482 χ^2/NDF : 1349367.0/10

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

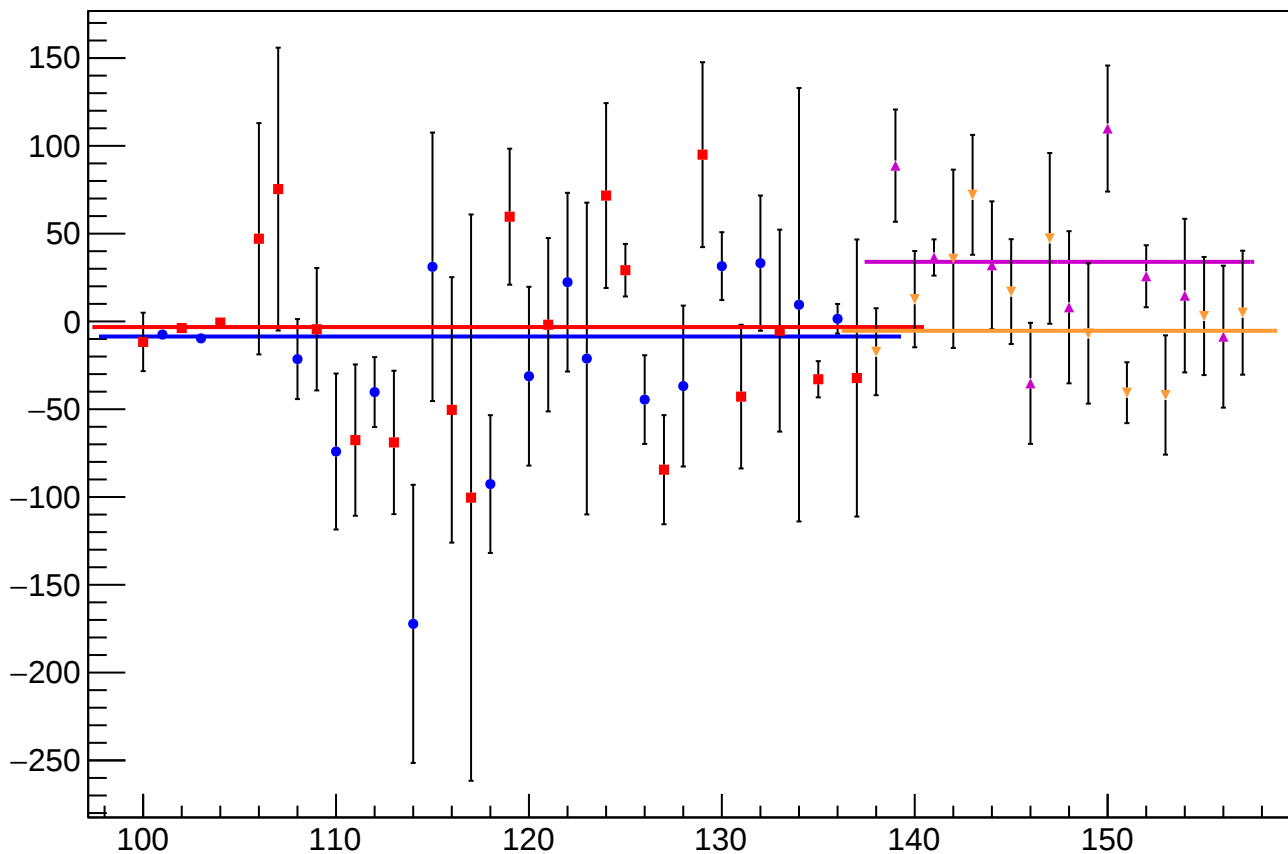
Left In: 18313.456+/-6.185 χ^2/NDF : 3115464.9/8

5564.547+/-1.761 χ^2/NDF : 15299262.4/27

5642.895+/-1.284 χ^2/NDF : 30460669.4/5

5731.960+/-1.877 χ^2/NDF : 15157176.4/28

diff_bpm0l03Y_mean vs Slug, Sign Corrected



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

Left Out: -5.332 ± 9.032 χ^2/NDF : 13.6/10

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

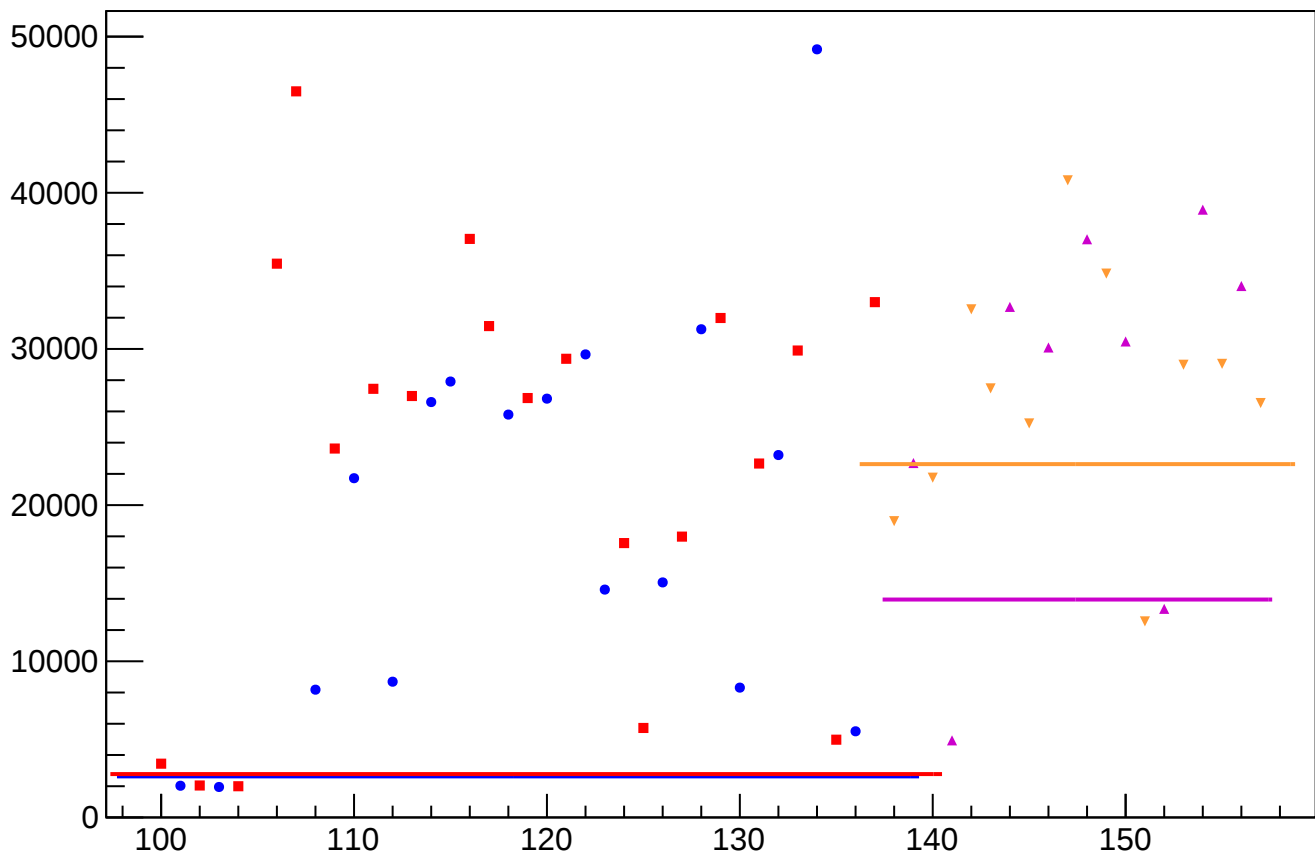
Left In: 33.939 ± 7.532 χ^2/NDF : 13.4/8

-8.465 ± 1.744 χ^2/NDF : 38.2/27

-4.947 ± 1.273 χ^2/NDF : 120.3/56

-0.936 ± 1.862 χ^2/NDF : 73.5/28

diff_bpm0l03Y_rms vs Slug, Sign Corrected



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

Left Out: 22625.191 $\pm$ 6.387 χ^2/NDF : 1485621.0/10

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

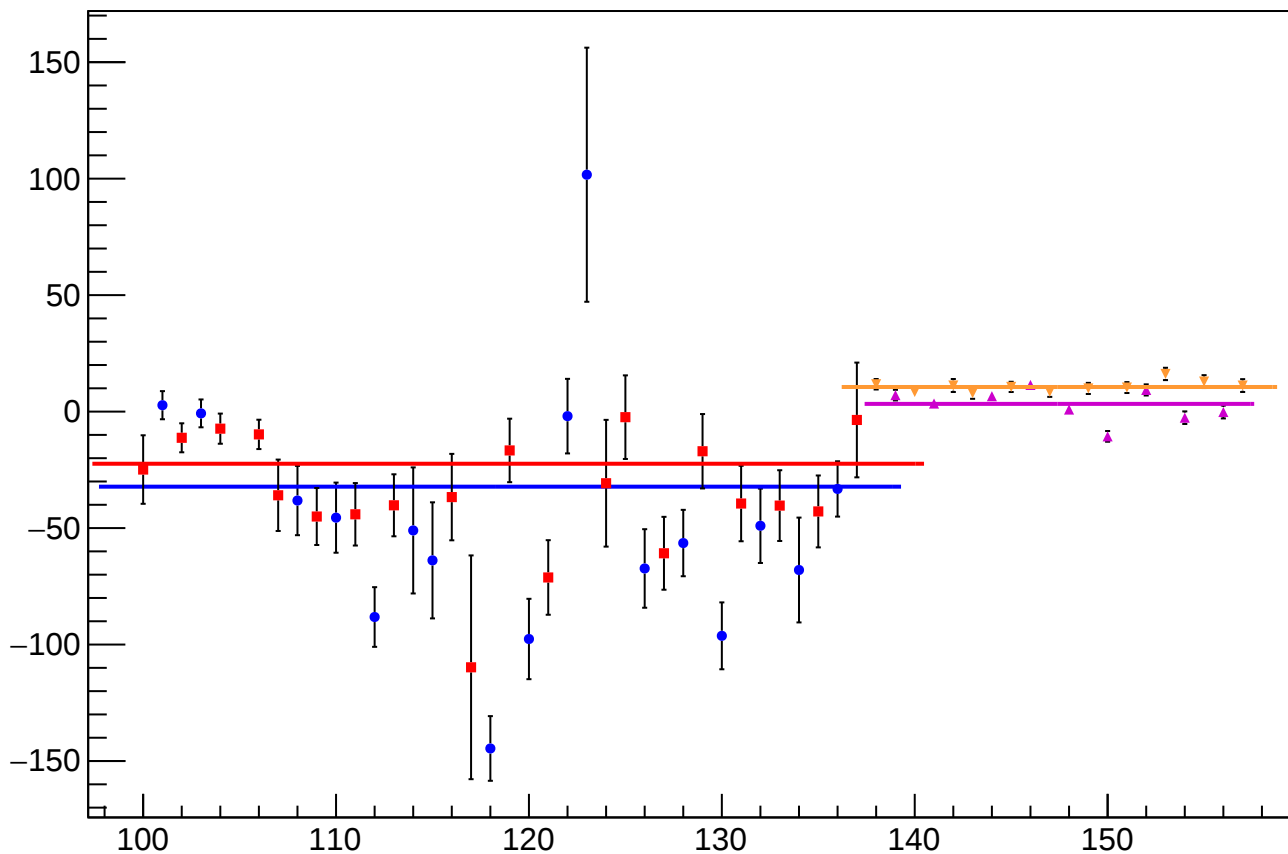
Left In: 13953.779 $\pm$ 5.326 χ^2/NDF : 4785113.1/8

3376.215 $\pm$ 1.233 χ^2/NDF : 16509710.9/27

3415.799 $\pm$ 0.900 χ^2/NDF : 33330969.5/5

3460.926 $\pm$ 1.317 χ^2/NDF : 16819054.4/28

diff_bpm0l04X_mean vs Slug, Sign Corrected



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

Left Out: 10.565 ± 0.726 $\chi^2/\text{NDF}: 8.8/10$

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

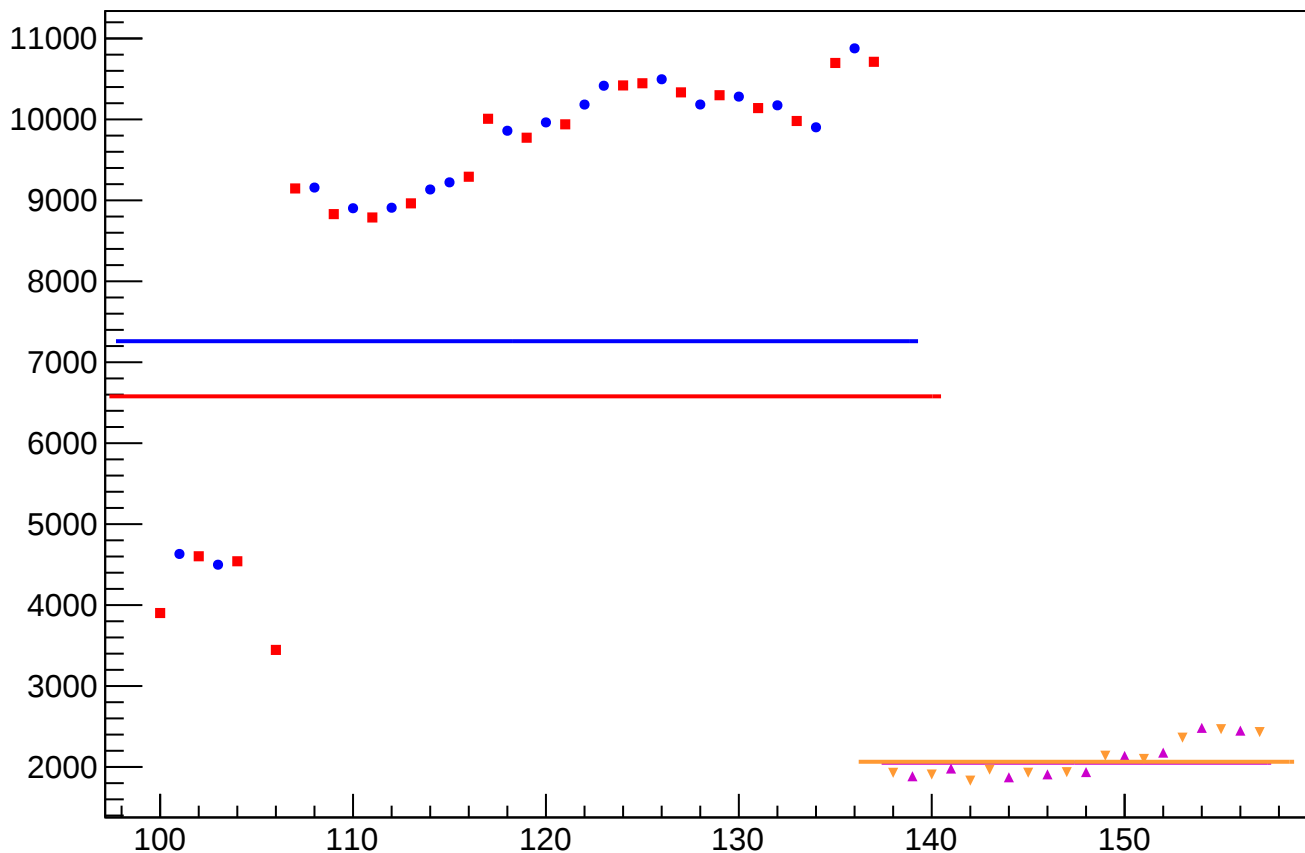
Left In: 3.312 ± 0.762 $\chi^2/\text{NDF}: 70.9/8$

8.168 ± 0.706 $\chi^2/\text{NDF}: 406.8/27$

4.897 ± 0.508 $\chi^2/\text{NDF}: 655.3/56$

1.369 ± 0.733 $\chi^2/\text{NDF}: 203.8/28$

diff_bpm0l04X_rms vs Slug, Sign Corrected



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

Left Out: 2064.302 +/- 0.514 χ^2/NDF : 155550.6/10

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

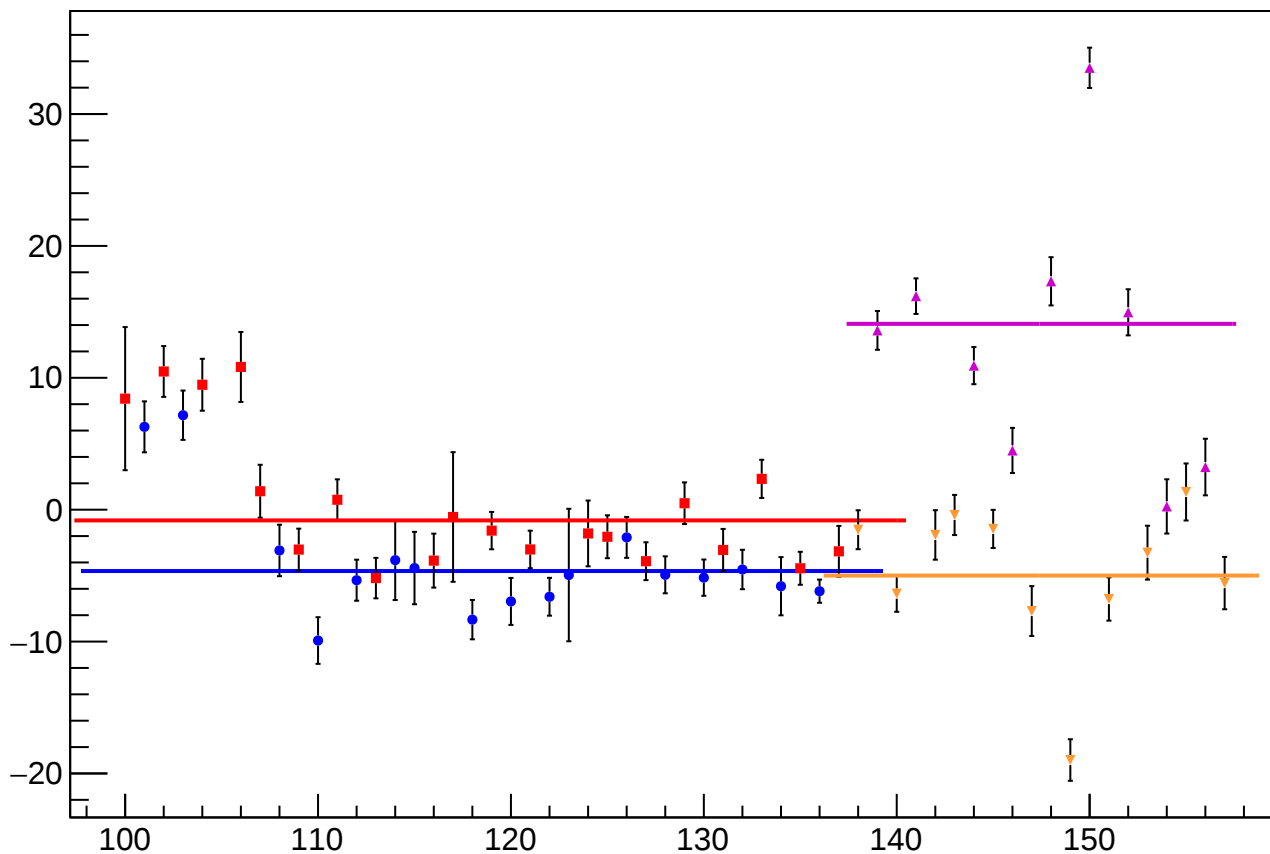
Left In: 2052.364 +/- 0.539 χ^2/NDF : 143463.9/8

2355.407 +/- 0.499 χ^2/NDF : 7525831.8/27

2374.293 +/- 0.359 χ^2/NDF : 15211527.8/5

2394.665 +/- 0.518 χ^2/NDF : 7682718.5/28

diff_bpm0l04Y_mean vs Slug, Sign Corrected



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

Left Out: -4.993 ± 0.504 χ^2/NDF : 115.7/10

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

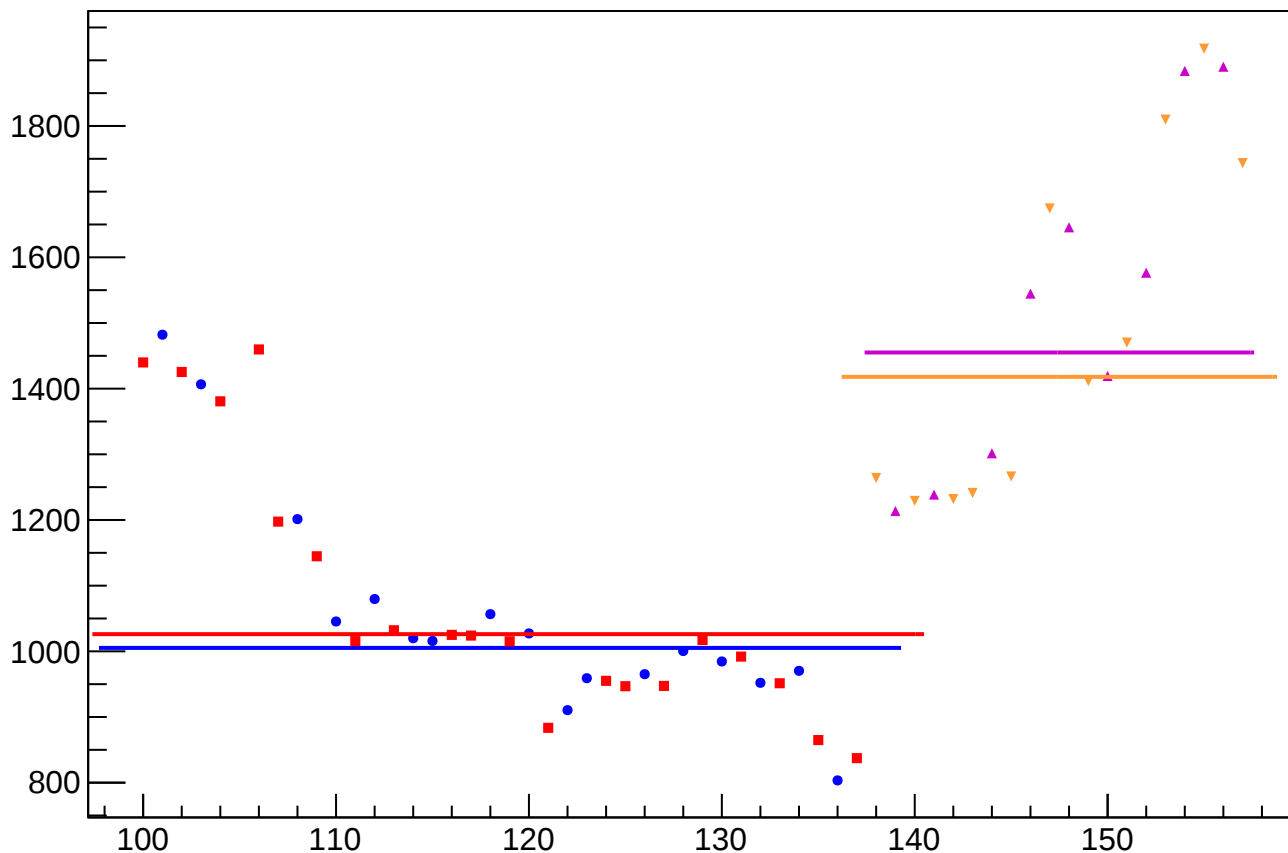
Left In: 14.091 ± 0.545 χ^2/NDF : 274.9/8

-4.780 ± 0.310 χ^2/NDF : 213.6/27

-0.382 ± 0.221 χ^2/NDF : 1520.3/56

4.188 ± 0.316 χ^2/NDF : 895.5/28

diff_bpm0l04Y_rms vs Slug, Sign Corrected



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

Left Out: 1417.992 $\pm$ 0.356 χ^2/NDF : 400964.6/10

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

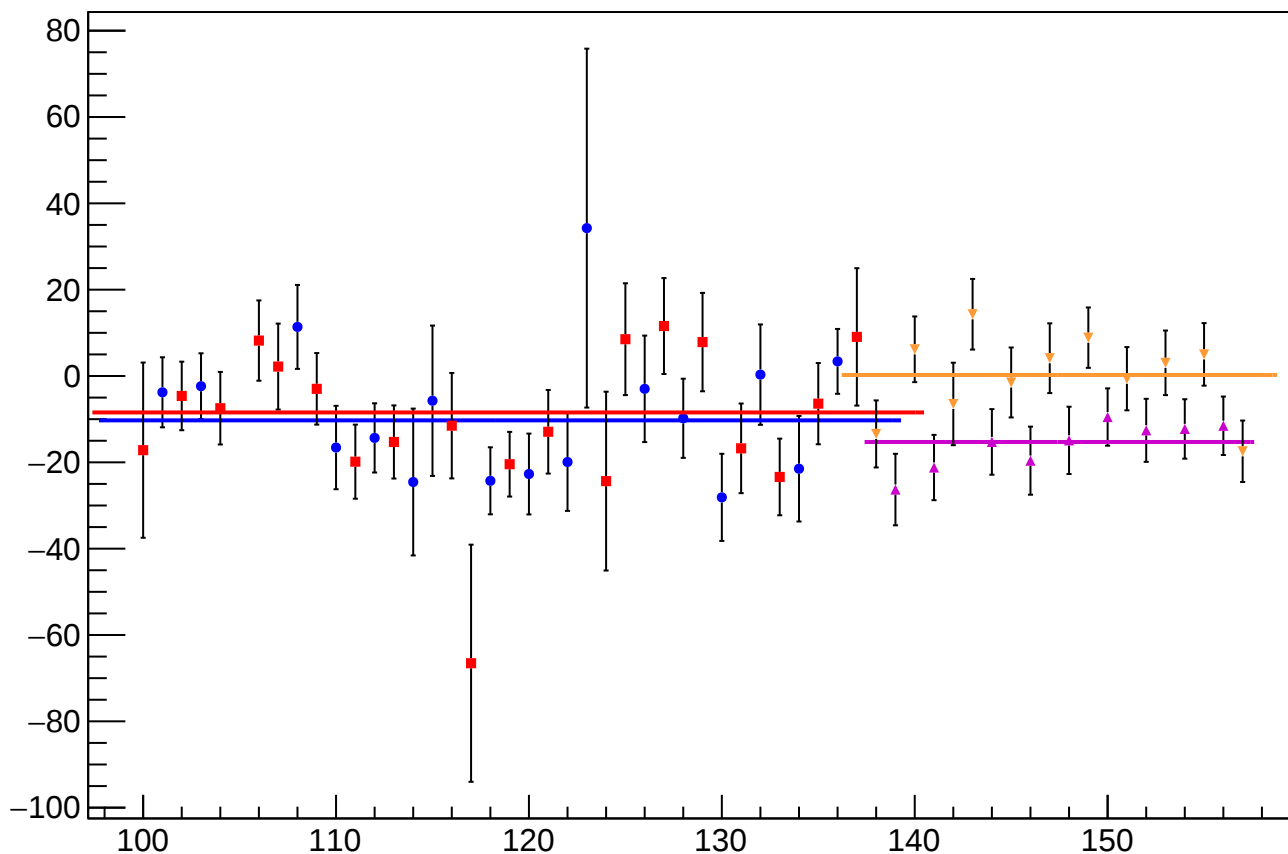
Left In: 1455.052 $\pm$ 0.385 χ^2/NDF : 336326.1/8

1161.197 $\pm$ 0.219 χ^2/NDF : 1598163.6/27

1165.542 $\pm$ 0.156 χ^2/NDF : 3091447.2/56

1170.058 $\pm$ 0.223 χ^2/NDF : 1492480.5/28

diff_bpm0l05X_mean vs Slug, Sign Corrected



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

Left Out: 0.232 ± 2.318 χ^2/NDF : 15.7/10

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

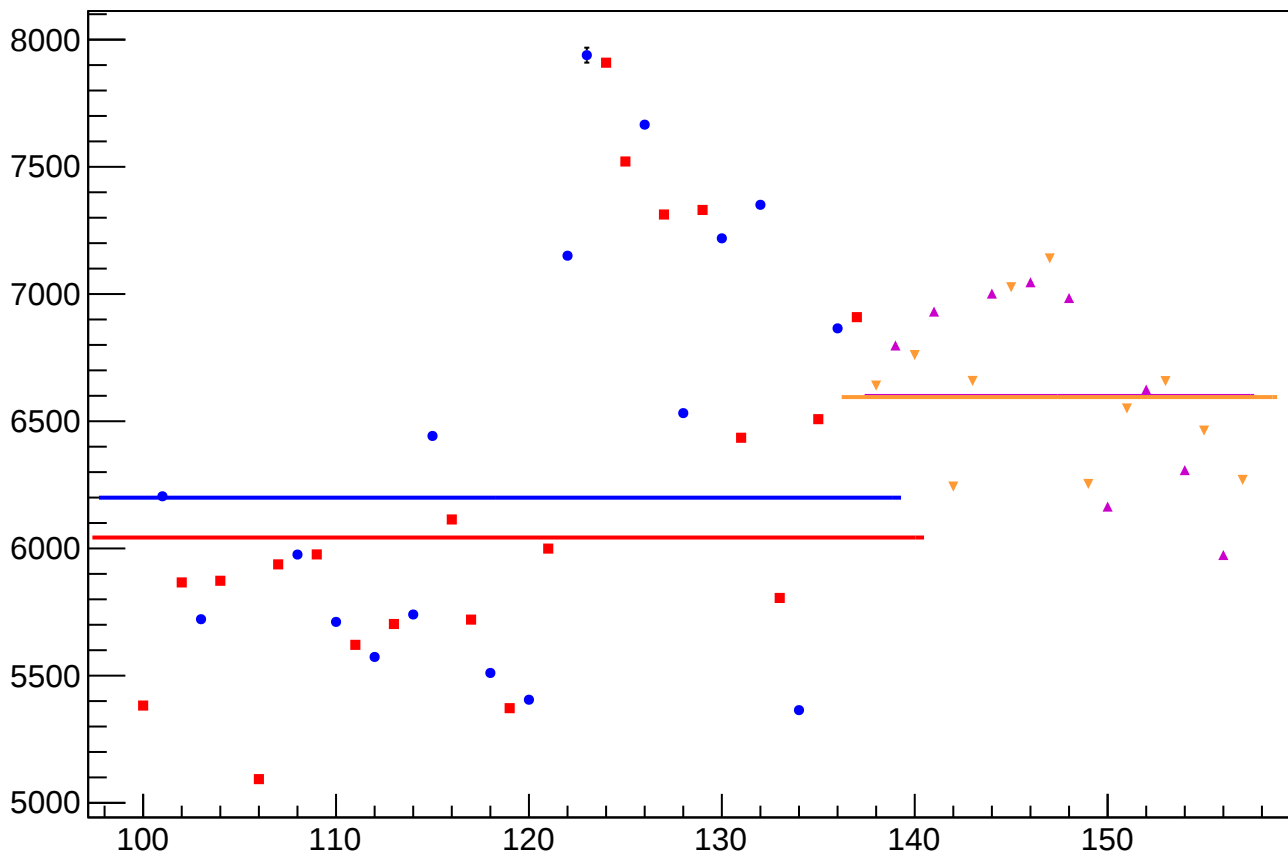
Left In: -15.285 ± 2.452 χ^2/NDF : 4.1/8

-4.824 ± 1.670 χ^2/NDF : 49.1/27

-8.220 ± 1.180 χ^2/NDF : 92.9/56

-11.600 ± 1.666 χ^2/NDF : 35.5/28

diff_bpm0l05X_rms vs Slug, Sign Corrected



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

Left Out: 6594.963 ± 1.639 χ^2/NDF : 28455.3/10

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

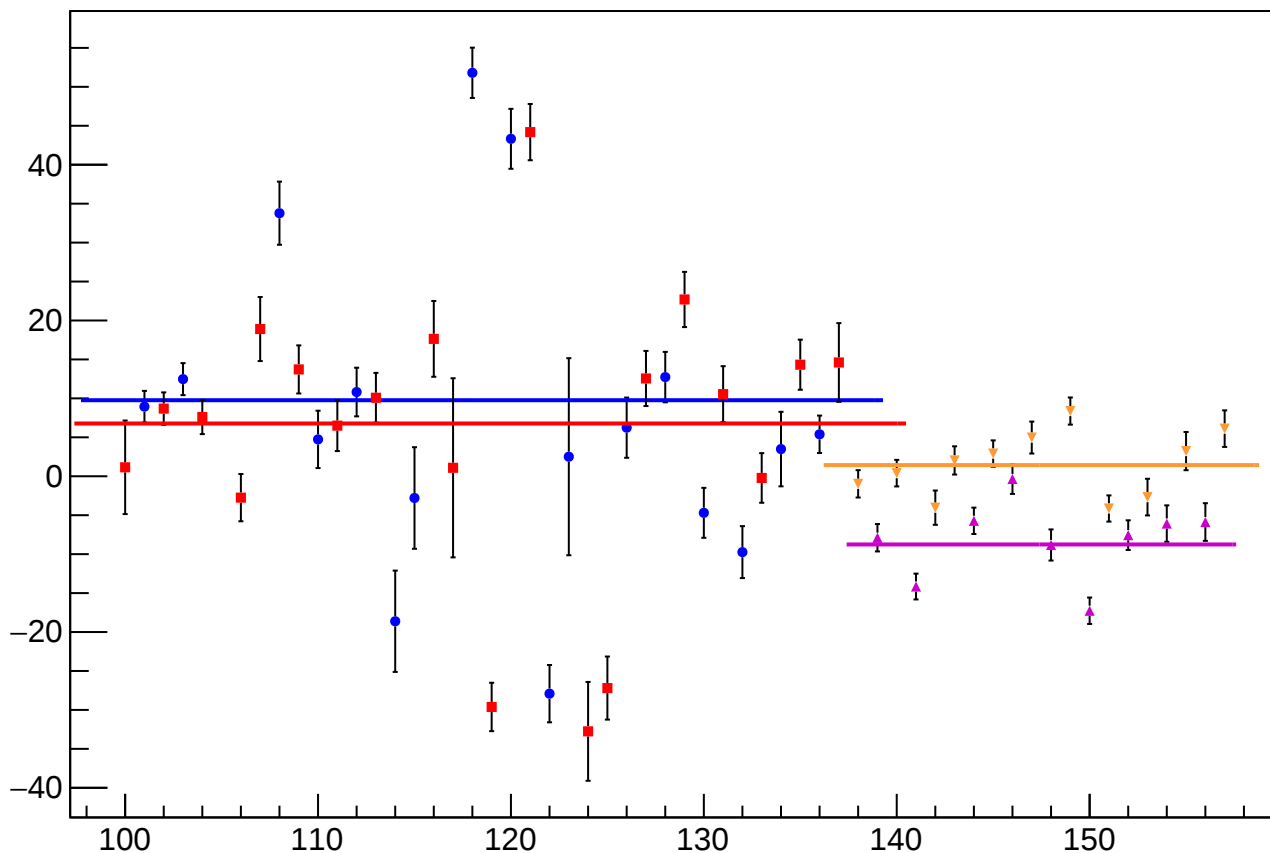
Left In: 6599.441 ± 1.734 χ^2/NDF : 51156.5/8

6404.767 ± 1.181 χ^2/NDF : 228194.7/27

6352.171 ± 0.834 χ^2/NDF : 497362.0/56

6299.825 ± 1.178 χ^2/NDF : 265209.3/28

diff_bpm0l05Y_mean vs Slug, Sign Corrected



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

Left Out: 1.434 ± 0.579 χ^2/NDF : 46.7/10

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

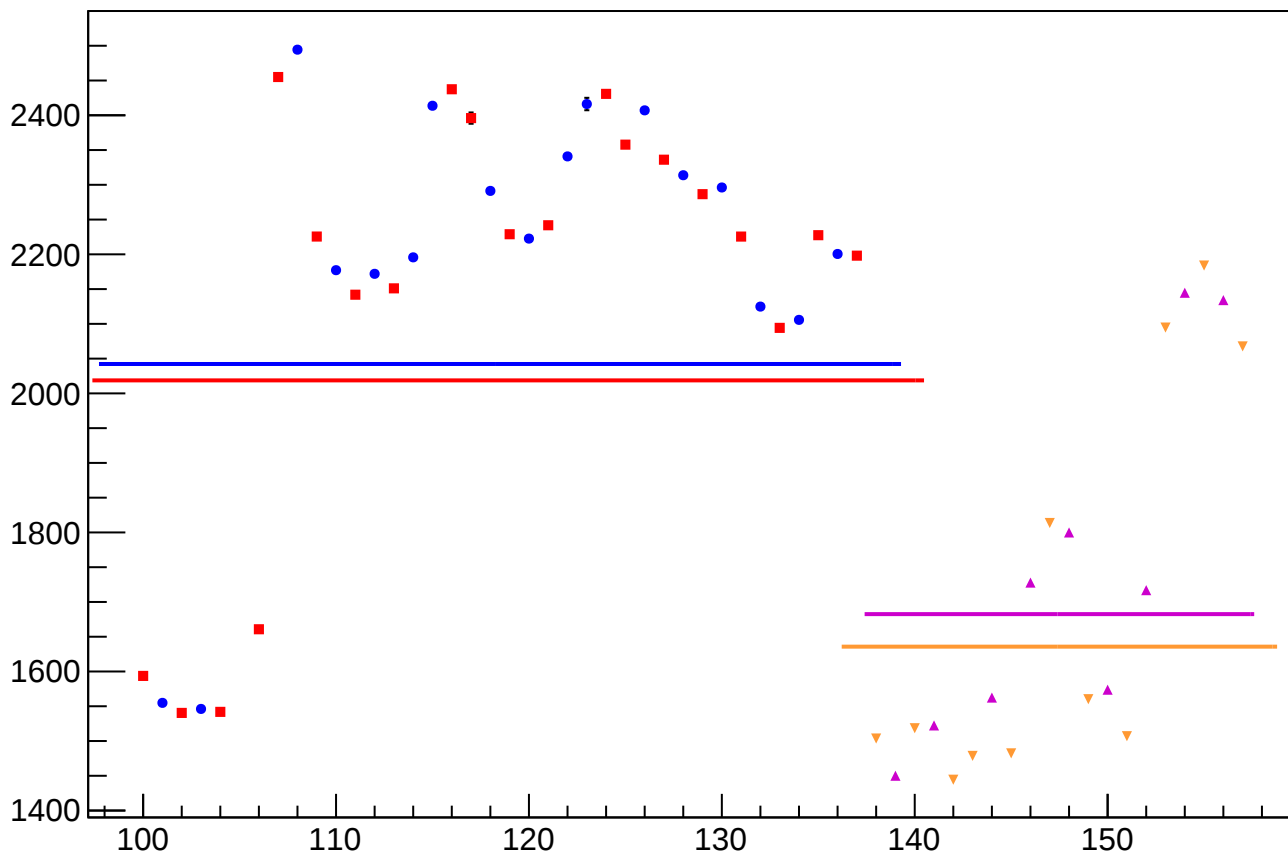
Left In: -8.756 ± 0.628 χ^2/NDF : 61.6/8

4.316 ± 0.469 χ^2/NDF : 591.9/27

1.030 ± 0.337 χ^2/NDF : 1424.4/56

-2.485 ± 0.485 χ^2/NDF : 730.8/28

diff_bpm0l05Y_rms vs Slug, Sign Corrected



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

Left Out: 1635.725 $\pm$ 0.410 χ^2/NDF : 341550.6/10

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

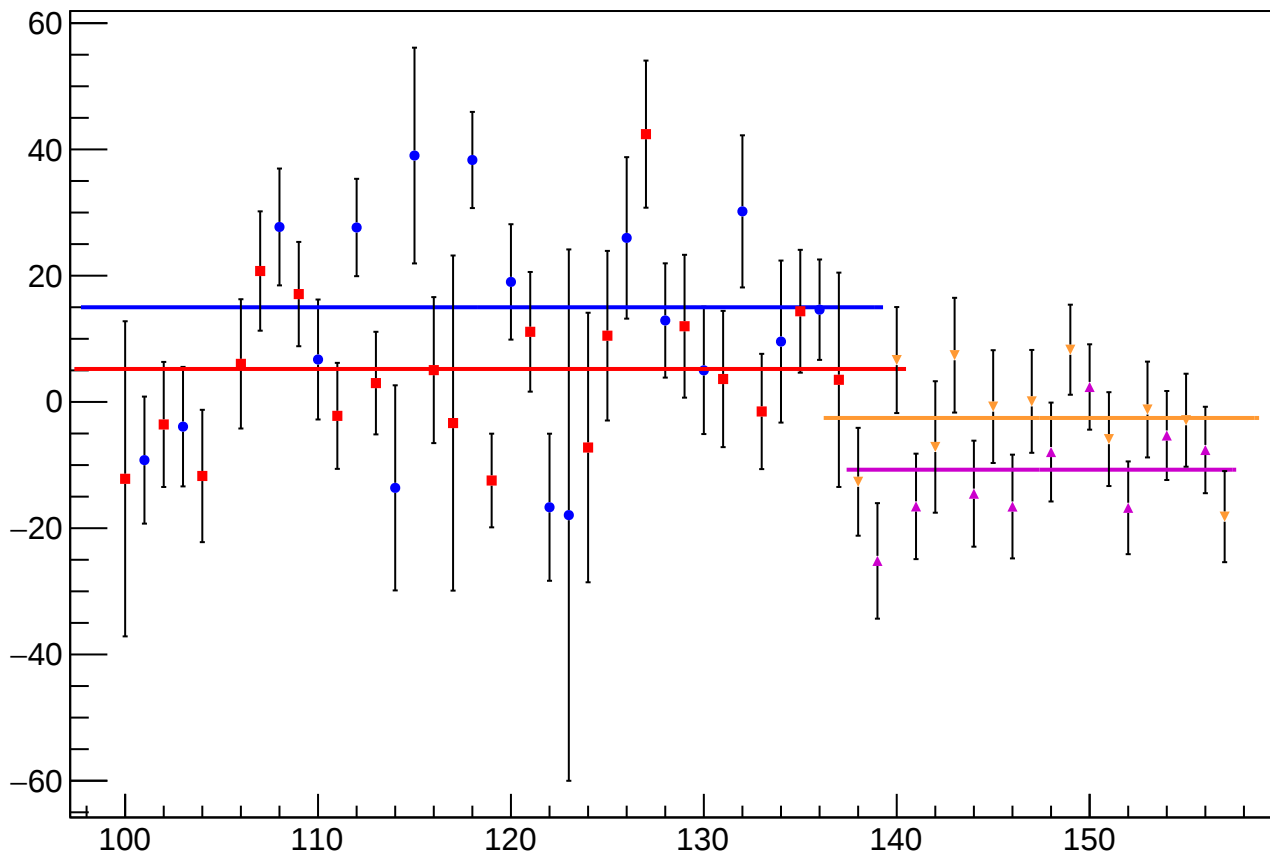
Left In: 1682.515 $\pm$ 0.444 χ^2/NDF : 228638.3/8

1776.359 $\pm$ 0.331 χ^2/NDF : 1038876.7/27

1796.588 $\pm$ 0.238 χ^2/NDF : 1884485.9/56

1818.239 $\pm$ 0.343 χ^2/NDF : 837895.2/28

diff_bpm0l06X_mean vs Slug, Sign Corrected



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

Left Out: -2.538 $\pm$ 2.428 χ^2 /NDF: 11.4/10

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

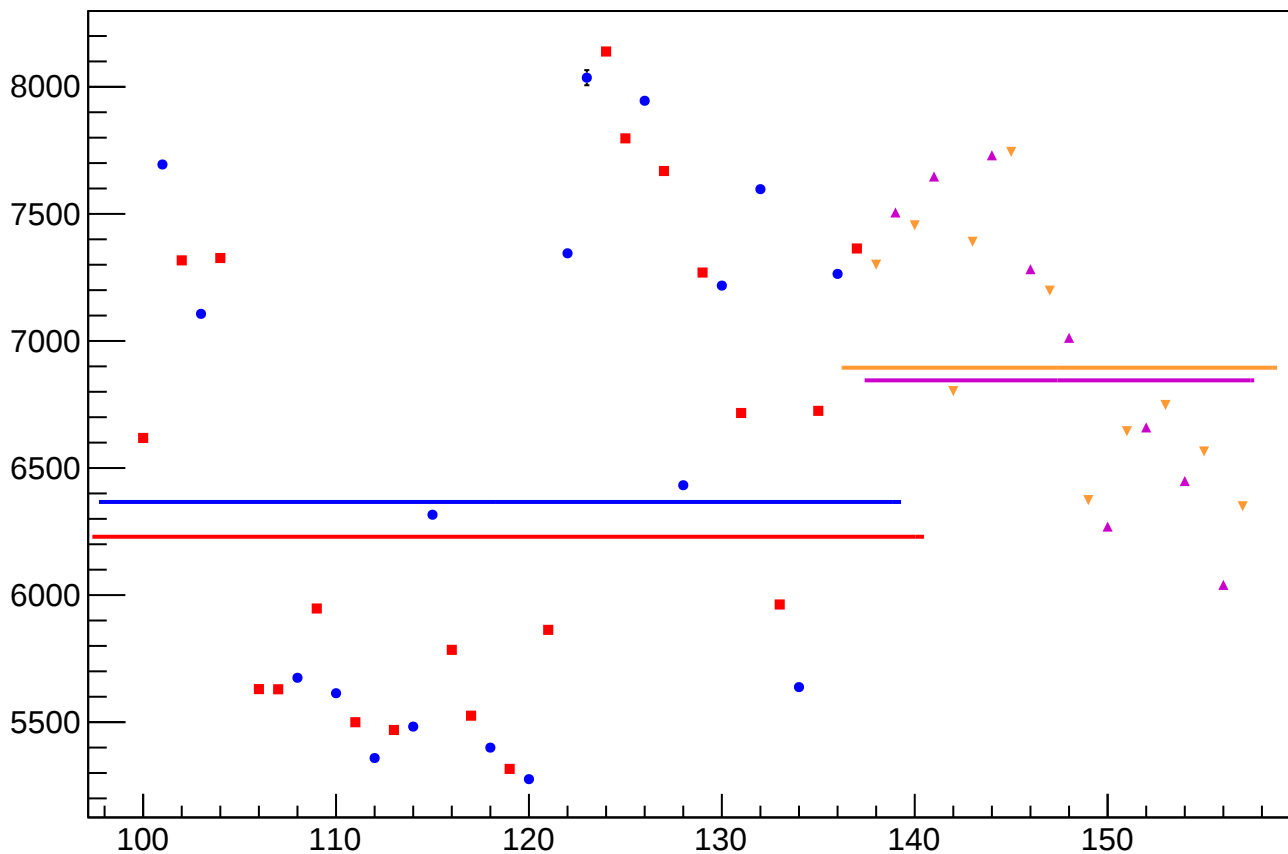
Left In: -10.733 $\pm$ 2.553 χ^2 /NDF: 9.0/8

6.026 $\pm$ 1.737 χ^2 /NDF: 78.1/27

1.948 $\pm$ 1.225 χ^2 /NDF: 147.5/56

-2.089 $\pm$ 1.728 χ^2 /NDF: 58.4/28

diff_bpm0l06X_rms vs Slug, Sign Corrected



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

Left Out: 6894.800+/-1.717 χ^2/NDF : 69472.2/10

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

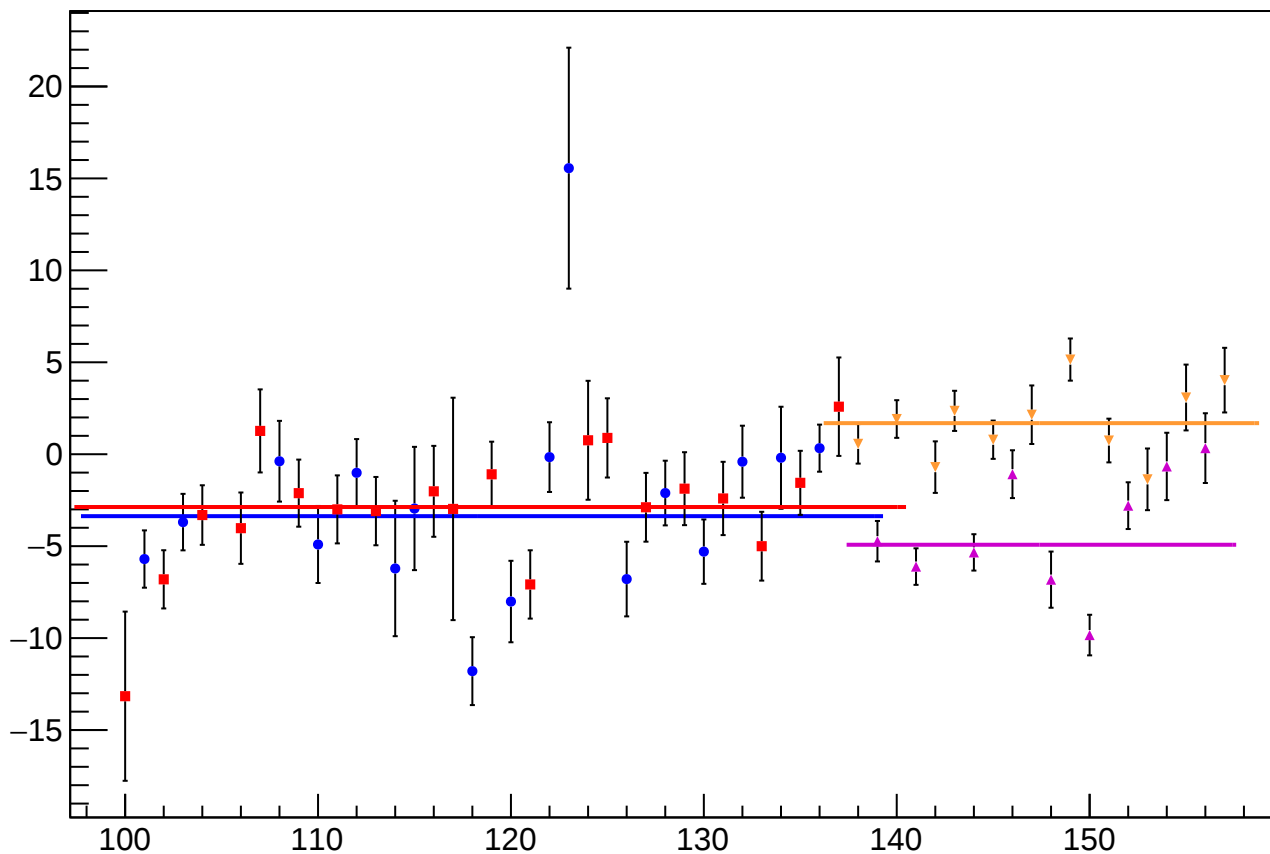
Left In: 6845.024+/-1.805 χ^2/NDF : 107426.7/8

6636.778+/-1.228 χ^2/NDF : 402202.9/27

6573.909+/-0.866 χ^2/NDF : 822424.1/56

6511.662+/-1.222 χ^2/NDF : 415006.2/28

diff_bpm0l06Y_mean vs Slug, Sign Corrected



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

Left Out: 1.690 $\pm$ 0.379 χ^2/NDF : 20.7/10

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

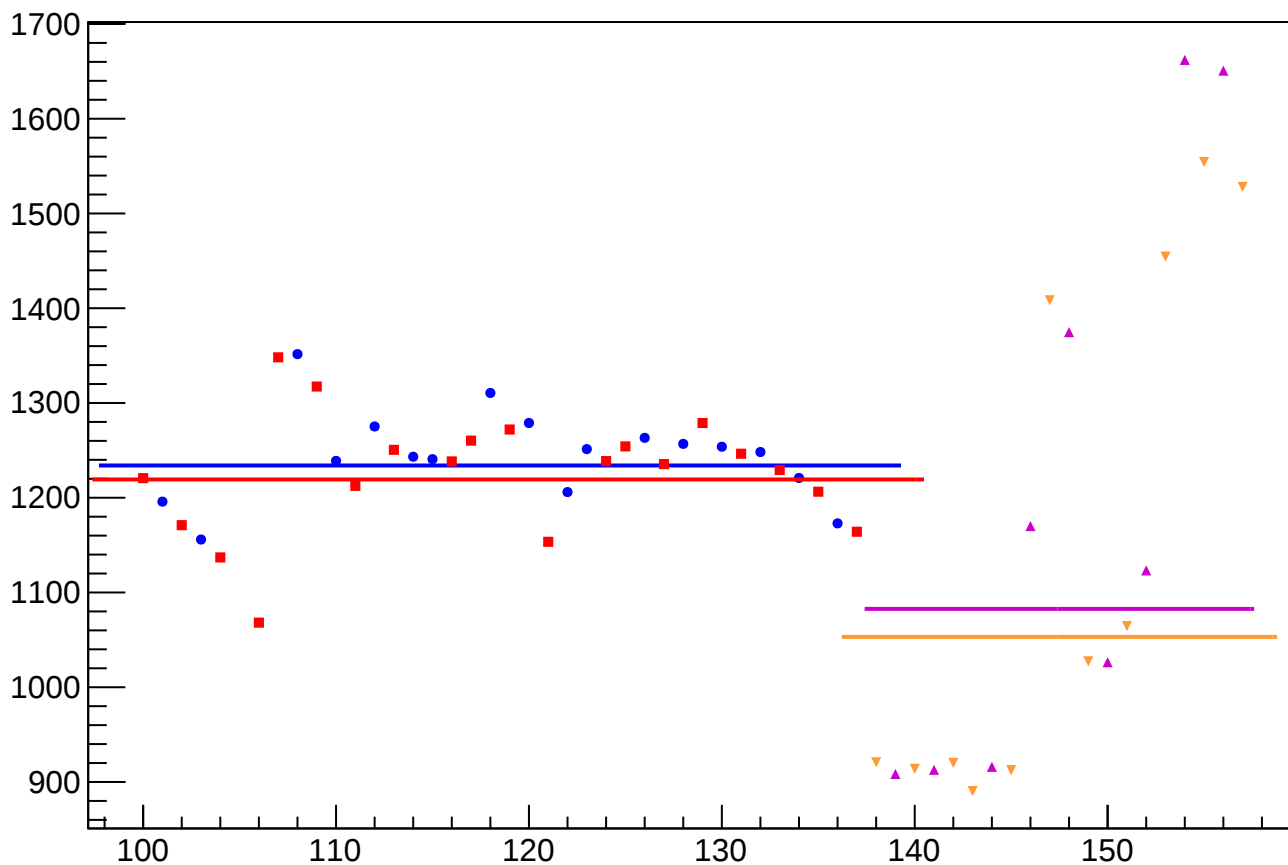
Left In: -4.923 $\pm$ 0.412 χ^2/NDF : 47.6/8

-0.278 $\pm$ 0.297 χ^2/NDF : 149.7/27

-2.085 $\pm$ 0.213 χ^2/NDF : 316.9/56

-4.000 $\pm$ 0.305 χ^2/NDF : 90.8/28

diff_bpm0l06Y_rms vs Slug, Sign Corrected



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

Left Out: 1053.137 $\pm$ 0.268 χ^2/NDF : 684417.9/10

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

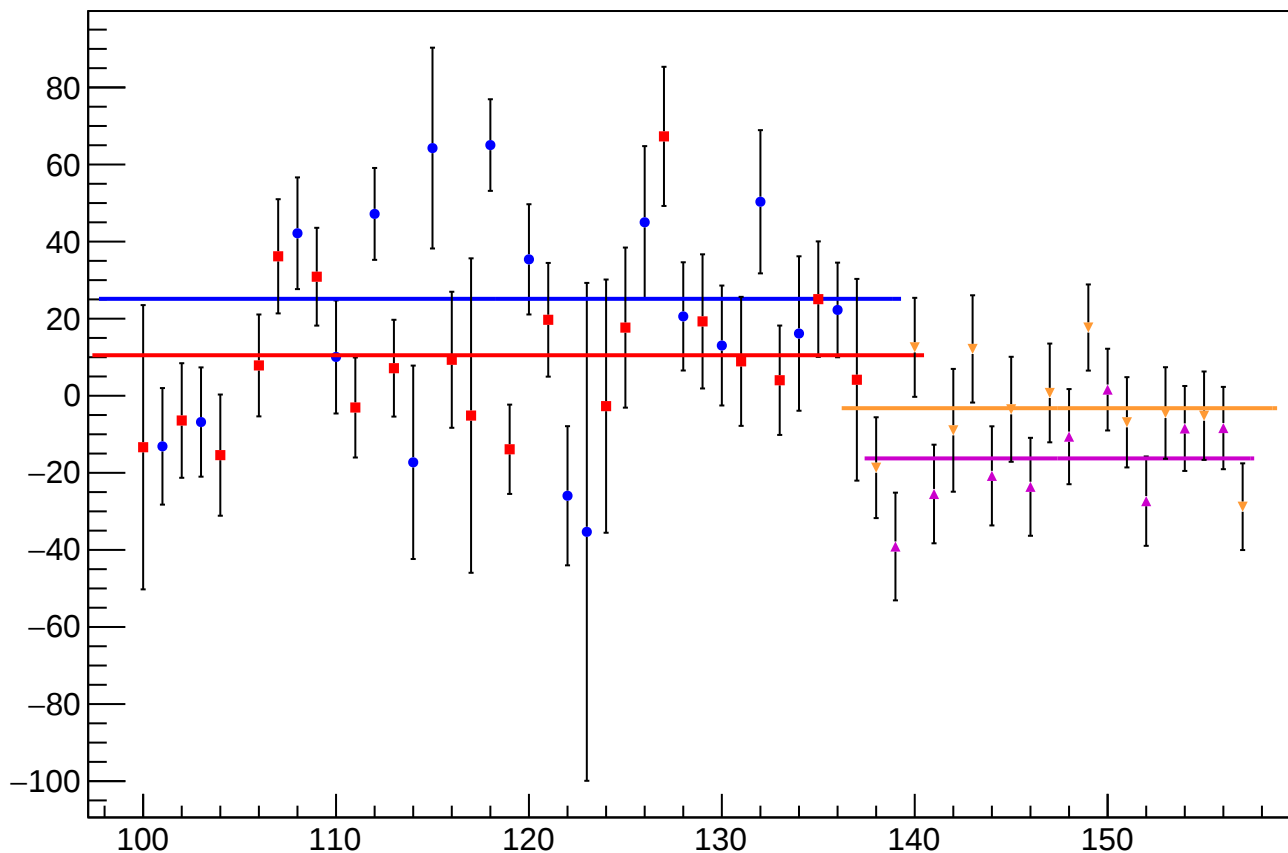
Left In: 1082.685 $\pm$ 0.291 χ^2/NDF : 634218.4/8

1123.520 $\pm$ 0.210 χ^2/NDF : 884798.1/27

1133.549 $\pm$ 0.150 χ^2/NDF : 1663235.8/56

1144.178 $\pm$ 0.216 χ^2/NDF : 773728.1/28

diff_bpm0l07X_mean vs Slug, Sign Corrected



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

Left Out: -3.228 $\pm$ 3.770 χ^2/NDF : 13.2/10

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

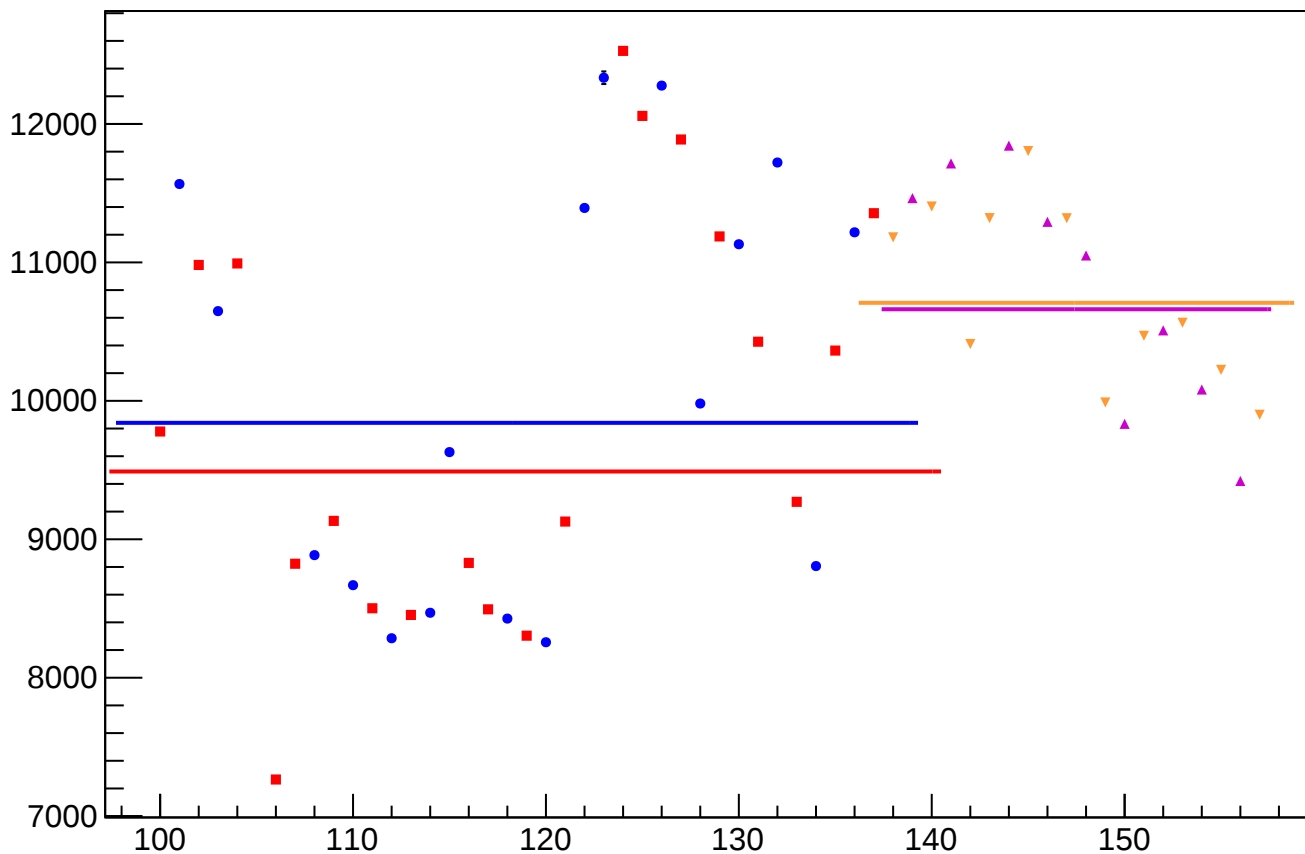
Left In: -16.259 $\pm$ 3.973 χ^2/NDF : 8.7/8

10.708 $\pm$ 2.689 χ^2/NDF : 87.9/27

4.543 $\pm$ 1.891 χ^2/NDF : 159.9/56

-1.488 $\pm$ 2.660 χ^2/NDF : 61.6/28

diff_bpm0l07X_rms vs Slug, Sign Corrected



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

Left Out: 10708.175 $\pm$ 2.665 χ^2 /NDF: 53864.1/10

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

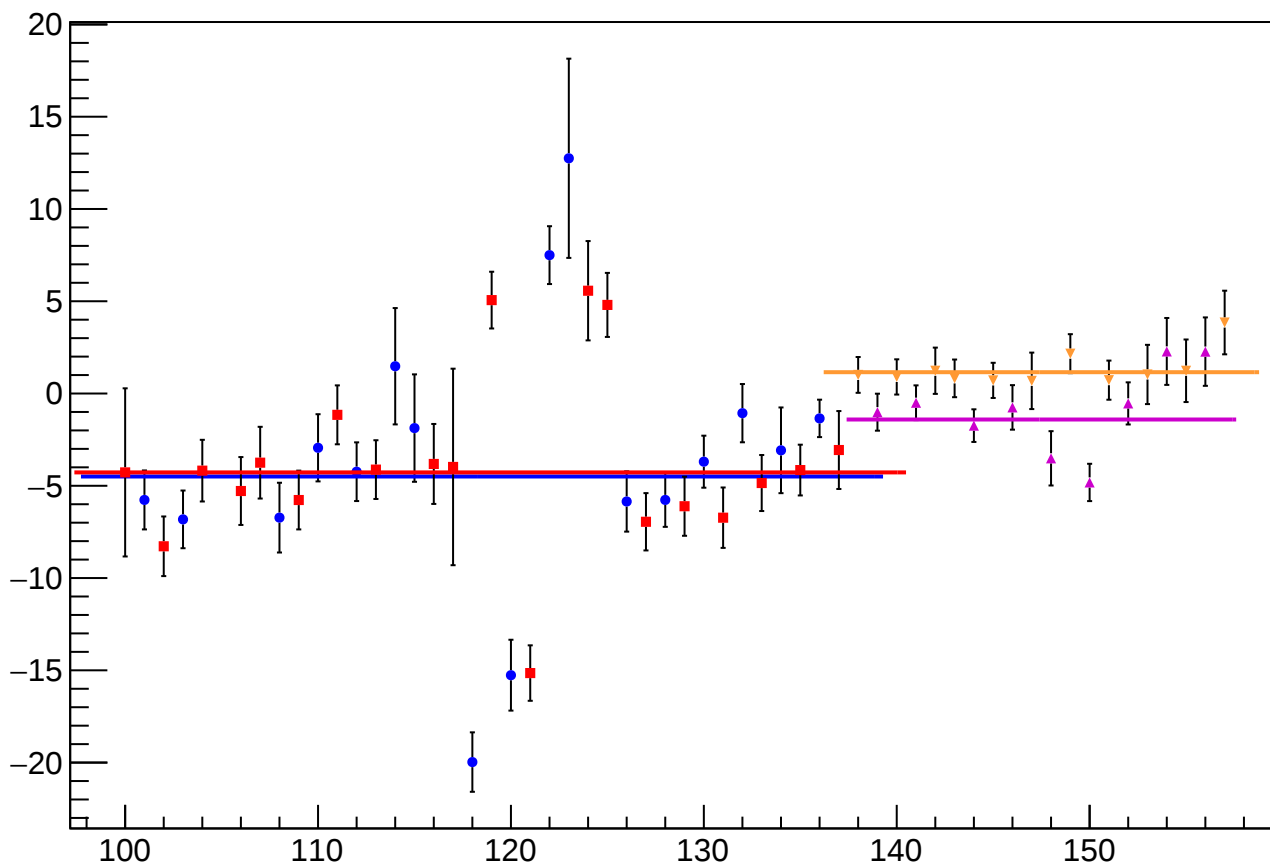
Left In: 10661.665 $\pm$ 2.809 χ^2 /NDF: 89011.5/8

10282.406 $\pm$ 1.901 χ^2 /NDF: 365883.9/27

10147.267 $\pm$ 1.337 χ^2 /NDF: 838811.8/56

10015.058 $\pm$ 1.881 χ^2 /NDF: 462935.6/28

diff_bpm0l07Y_mean vs Slug, Sign Corrected



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

Left Out: 1.156 $\pm$ 0.350 χ^2/NDF : 4.0/10

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

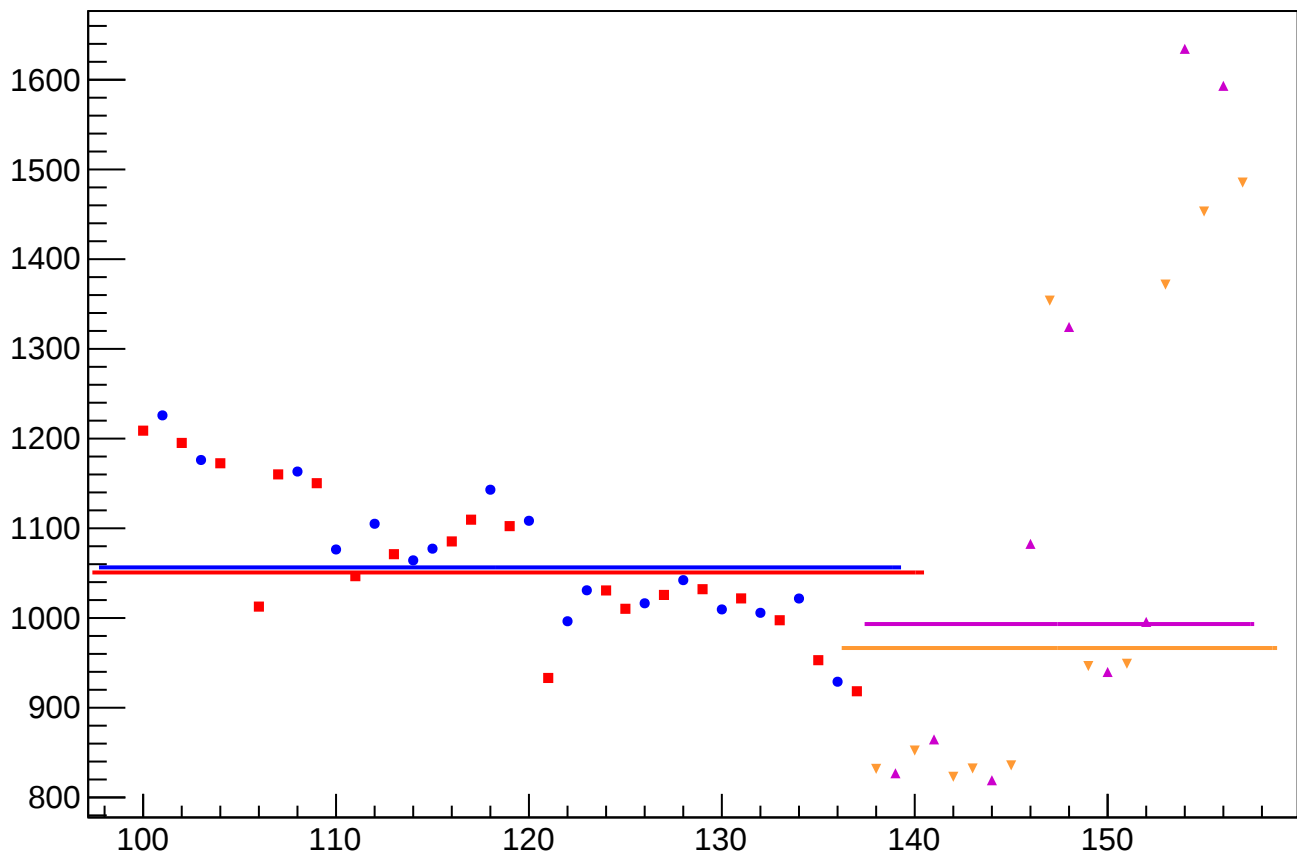
Left In: -1.409 $\pm$ 0.381 χ^2/NDF : 23.6/8

-1.243 $\pm$ 0.266 χ^2/NDF : 332.8/27

-1.999 $\pm$ 0.191 χ^2/NDF : 548.7/56

-2.798 $\pm$ 0.273 χ^2/NDF : 199.3/28

diff_bpm0l07Y_rms vs Slug, Sign Corrected



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

Left Out: 966.561 $\pm$ 0.248 χ^2 /NDF: 768345.7/10

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

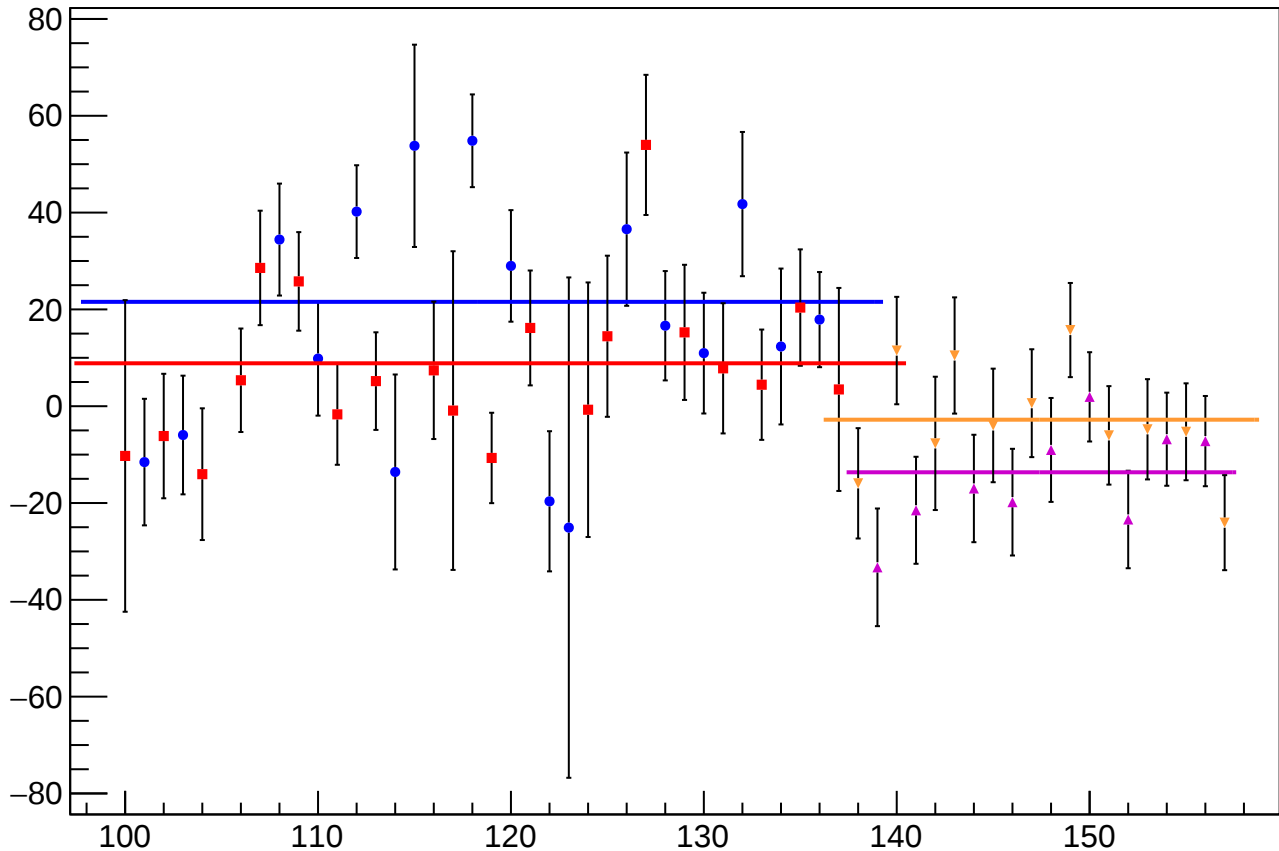
Left In: 993.288 $\pm$ 0.269 χ^2 /NDF: 747425.7/8

1004.700 $\pm$ 0.188 χ^2 /NDF: 914938.4/27

1012.689 $\pm$ 0.135 χ^2 /NDF: 1770791.4/56

1021.138 $\pm$ 0.193 χ^2 /NDF: 852138.3/28

diff_bpm0l08X_mean vs Slug, Sign Corrected



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

Left Out: -2.786 $\pm$ 3.275 χ^2/NDF : 13.0/10

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

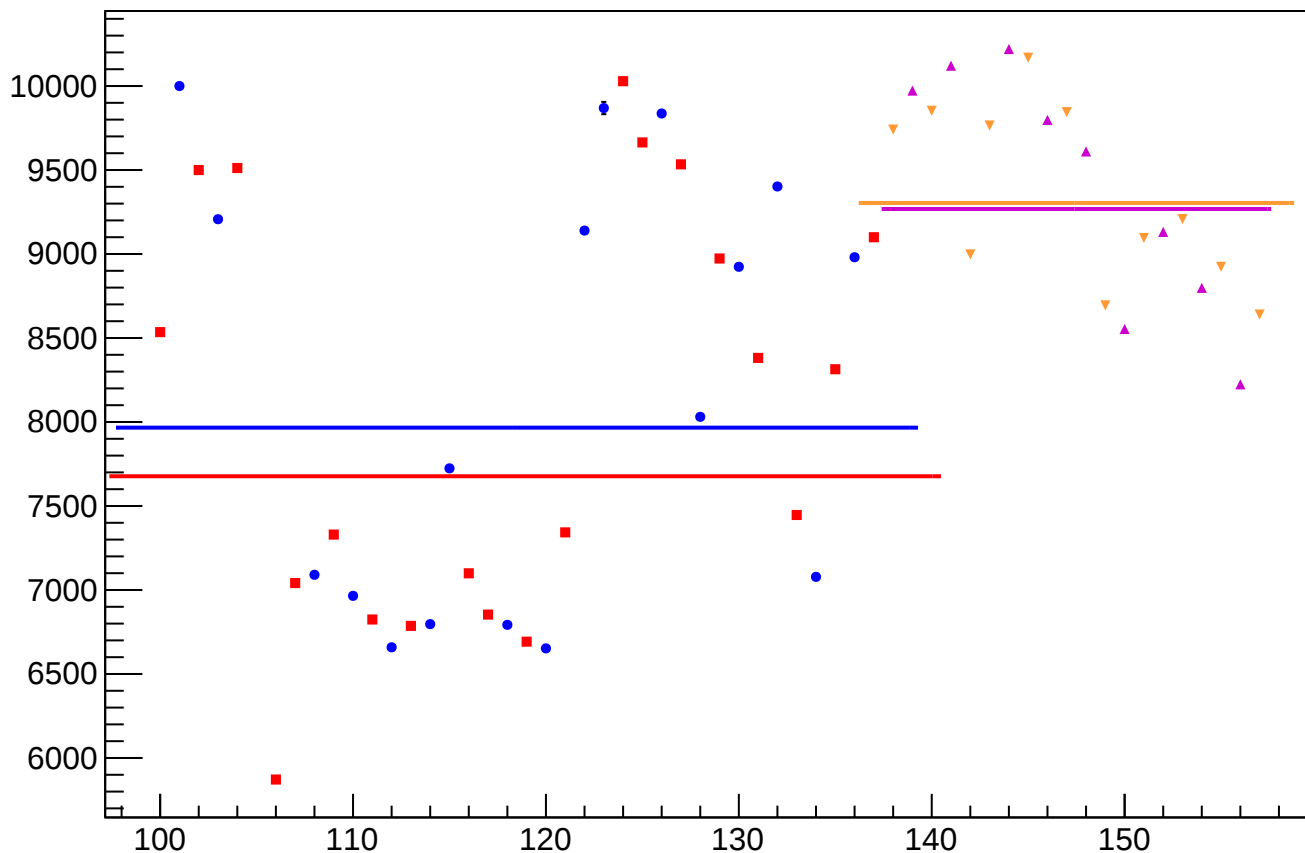
Left In: -13.649 $\pm$ 3.452 χ^2/NDF : 8.5/8

10.013 $\pm$ 2.255 χ^2/NDF : 90.4/27

4.701 $\pm$ 1.582 χ^2/NDF : 162.3/56

-0.451 $\pm$ 2.221 χ^2/NDF : 60.9/28

diff_bpm0l08X_rms vs Slug, Sign Corrected



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

Left Out: 9303.903 $\pm$ 2.315 χ^2 /NDF: 48234.3/10

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

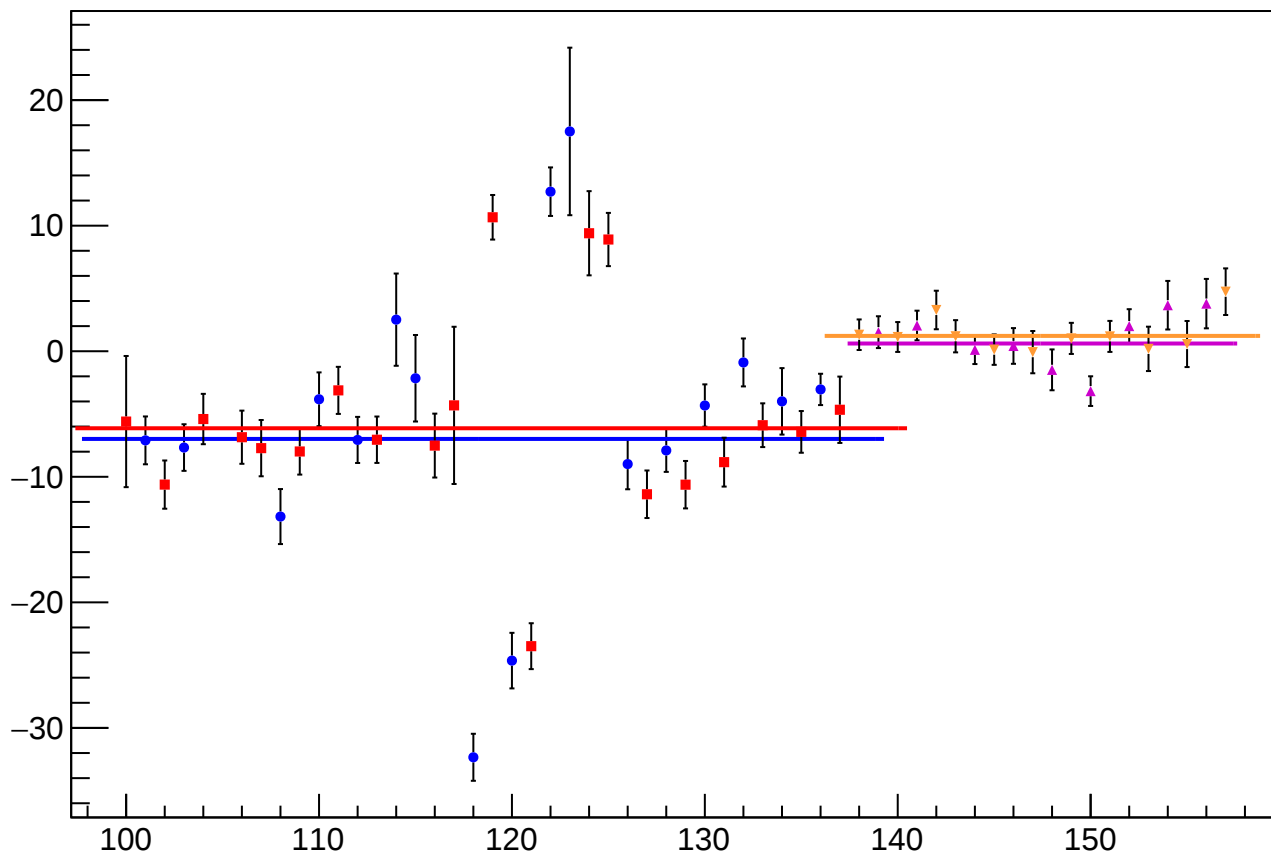
Left In: 9267.960 $\pm$ 2.441 χ^2 /NDF: 82226.5/8

8600.790 $\pm$ 1.595 χ^2 /NDF: 520256.4/27

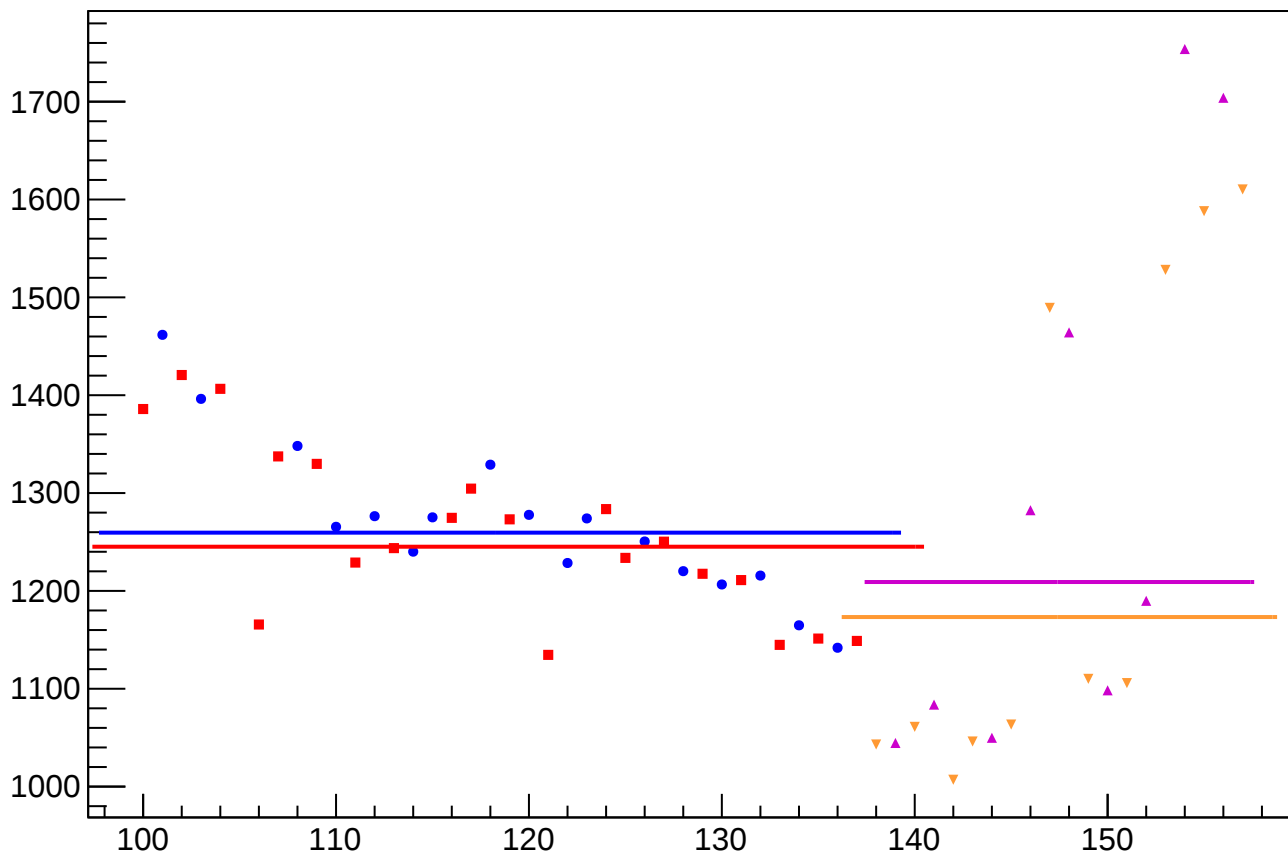
8466.044 $\pm$ 1.119 χ^2 /NDF: 1181827.8/56

8335.377 $\pm$ 1.570 χ^2 /NDF: 647507.1/28

diff_bpm0l08Y_mean vs Slug, Sign Corrected



diff_bpm0l08Y_rms vs Slug, Sign Corrected



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

Left Out: 1173.281 $\pm$ 0.297 χ^2/NDF : 475624.9/10

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

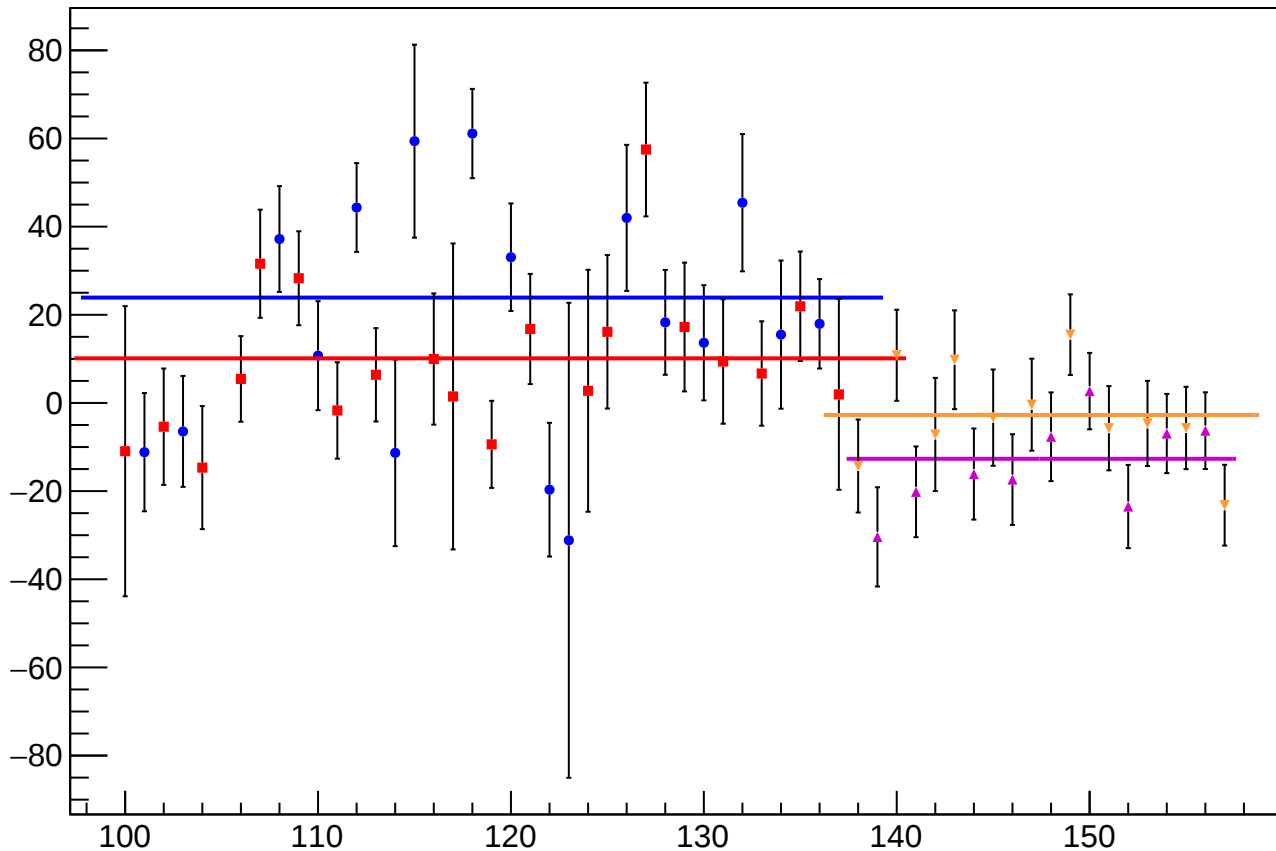
Left In: 1209.082 $\pm$ 0.323 χ^2/NDF : 453241.2/8

1210.167 $\pm$ 0.225 χ^2/NDF : 576493.9/27

1218.274 $\pm$ 0.161 χ^2/NDF : 1105529.6/56

1226.804 $\pm$ 0.231 χ^2/NDF : 526367.3/28

diff_bpm0l09X_mean vs Slug, Sign Corrected



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

Left Out: -2.732 $\pm$ 3.058 χ^2/NDF : 13.5/10

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

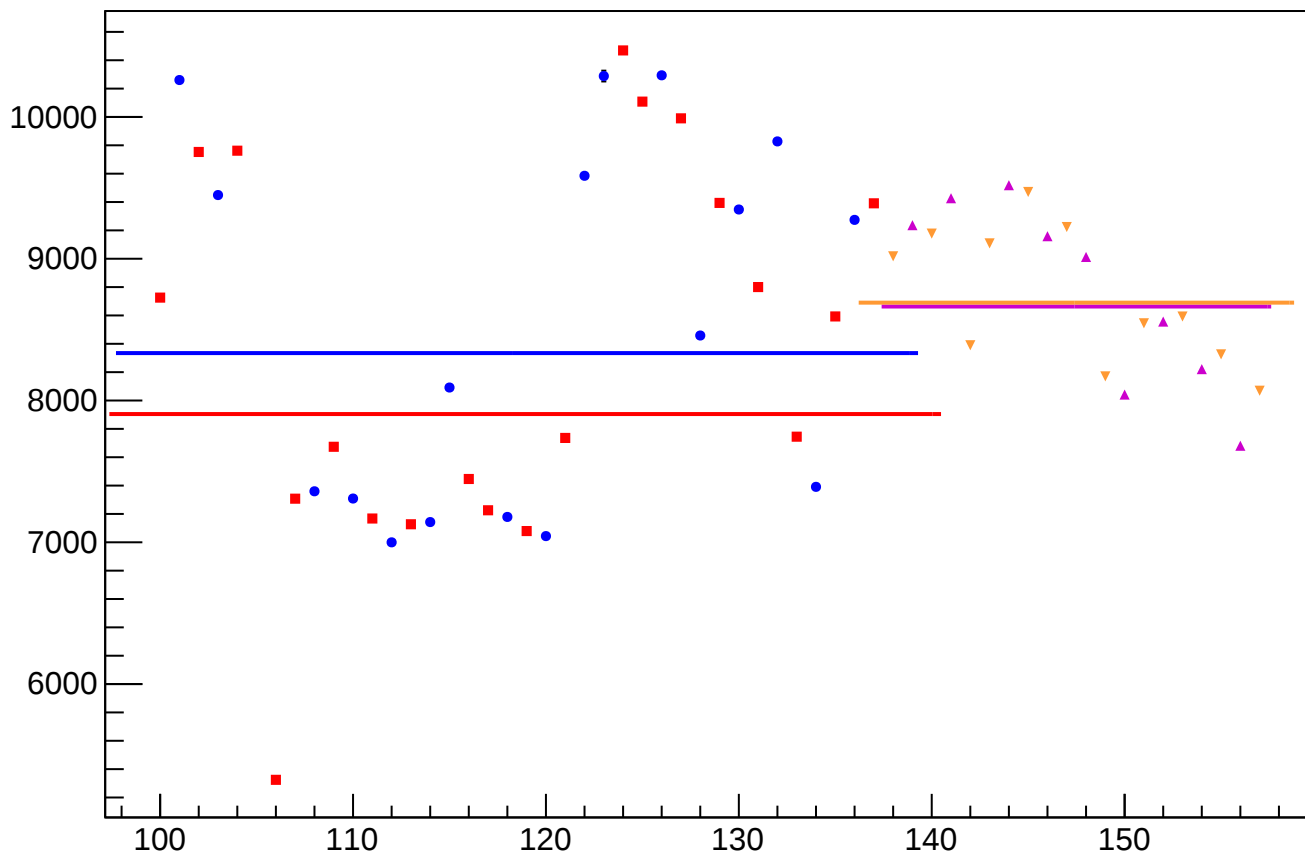
Left In: -12.668 $\pm$ 3.226 χ^2/NDF : 9.0/8

9.774 $\pm$ 2.227 χ^2/NDF : 101.6/27

4.600 $\pm$ 1.563 χ^2/NDF : 176.0/56

-0.424 $\pm$ 2.195 χ^2/NDF : 63.8/28

diff_bpm0l09X_rms vs Slug, Sign Corrected



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

Left Out: 8690.315 $\pm$ 2.162 χ^2/NDF : 45056.0/10

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

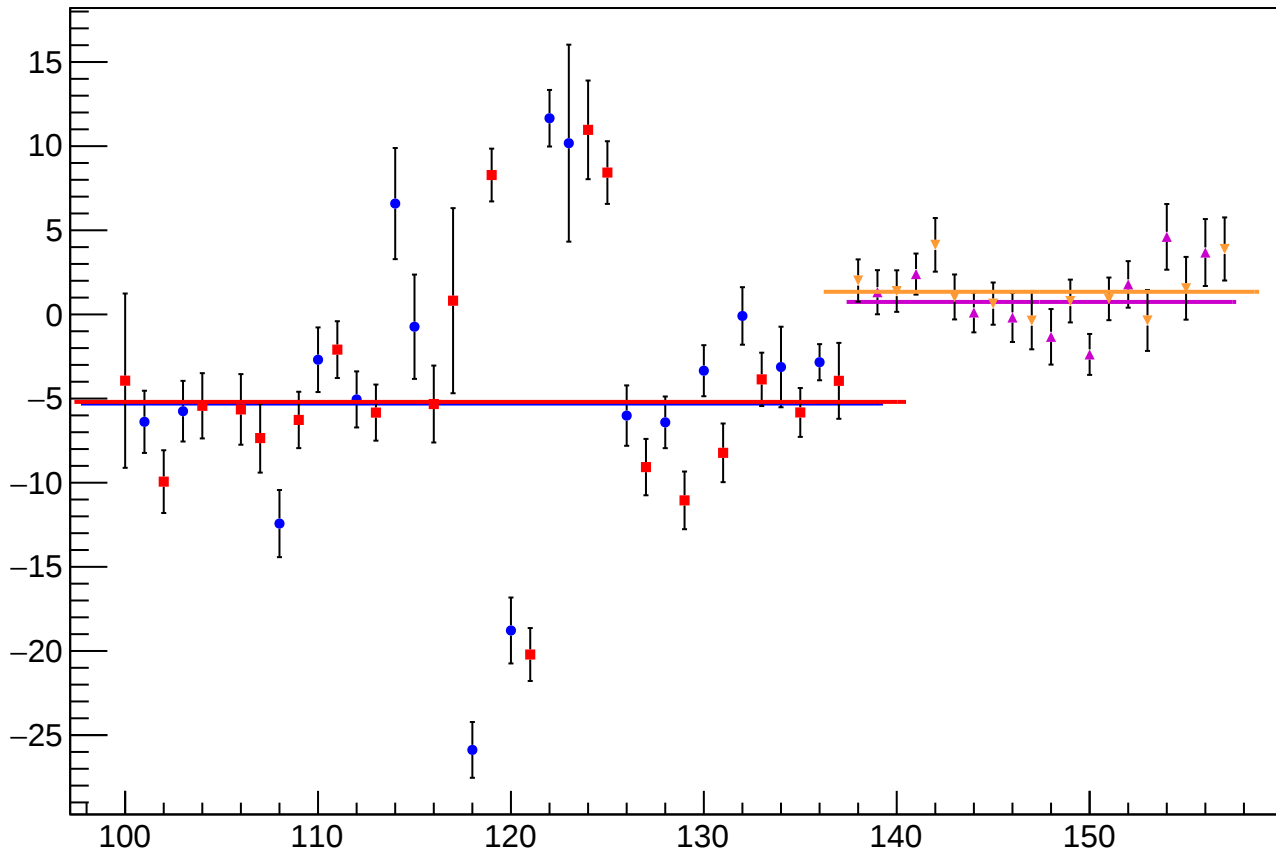
Left In: 8663.025 $\pm$ 2.281 χ^2/NDF : 77753.4/8

8523.261 $\pm$ 1.575 χ^2/NDF : 330070.7/27

8387.439 $\pm$ 1.105 χ^2/NDF : 873464.1/56

8255.570 $\pm$ 1.552 χ^2/NDF : 528735.6/28

diff_bpm0l09Y_mean vs Slug, Sign Corrected



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

Left Out: 1.346 $\pm$ 0.433 χ^2/NDF : 7.8/10

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

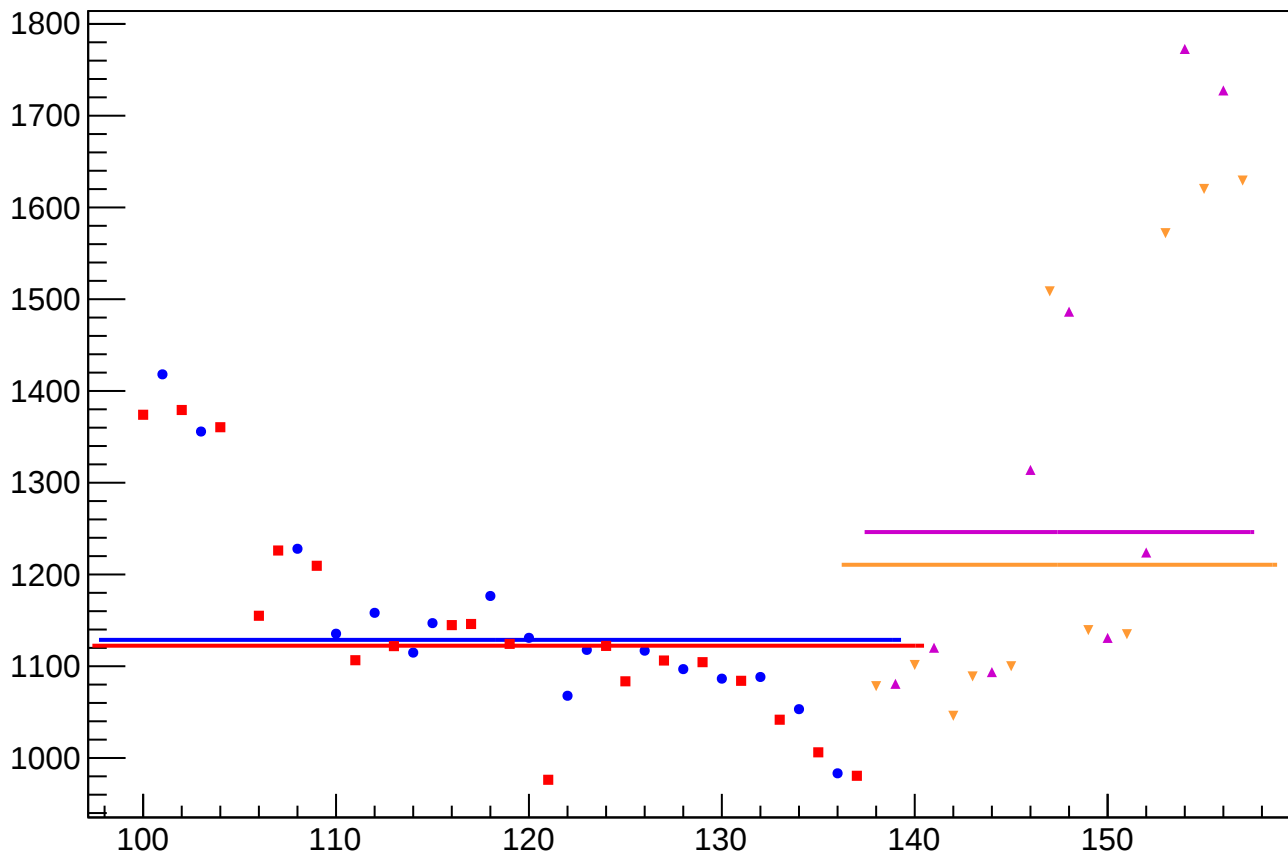
Left In: 0.742 $\pm$ 0.470 χ^2/NDF : 17.6/8

-1.943 $\pm$ 0.307 χ^2/NDF : 482.5/27

-2.245 $\pm$ 0.219 χ^2/NDF : 873.8/56

-2.559 $\pm$ 0.313 χ^2/NDF : 389.3/28

diff_bpm0l09Y_rms vs Slug, Sign Corrected



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

Left Out: 1210.587 $\pm$ 0.306 χ^2 /NDF: 441786.5/10

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

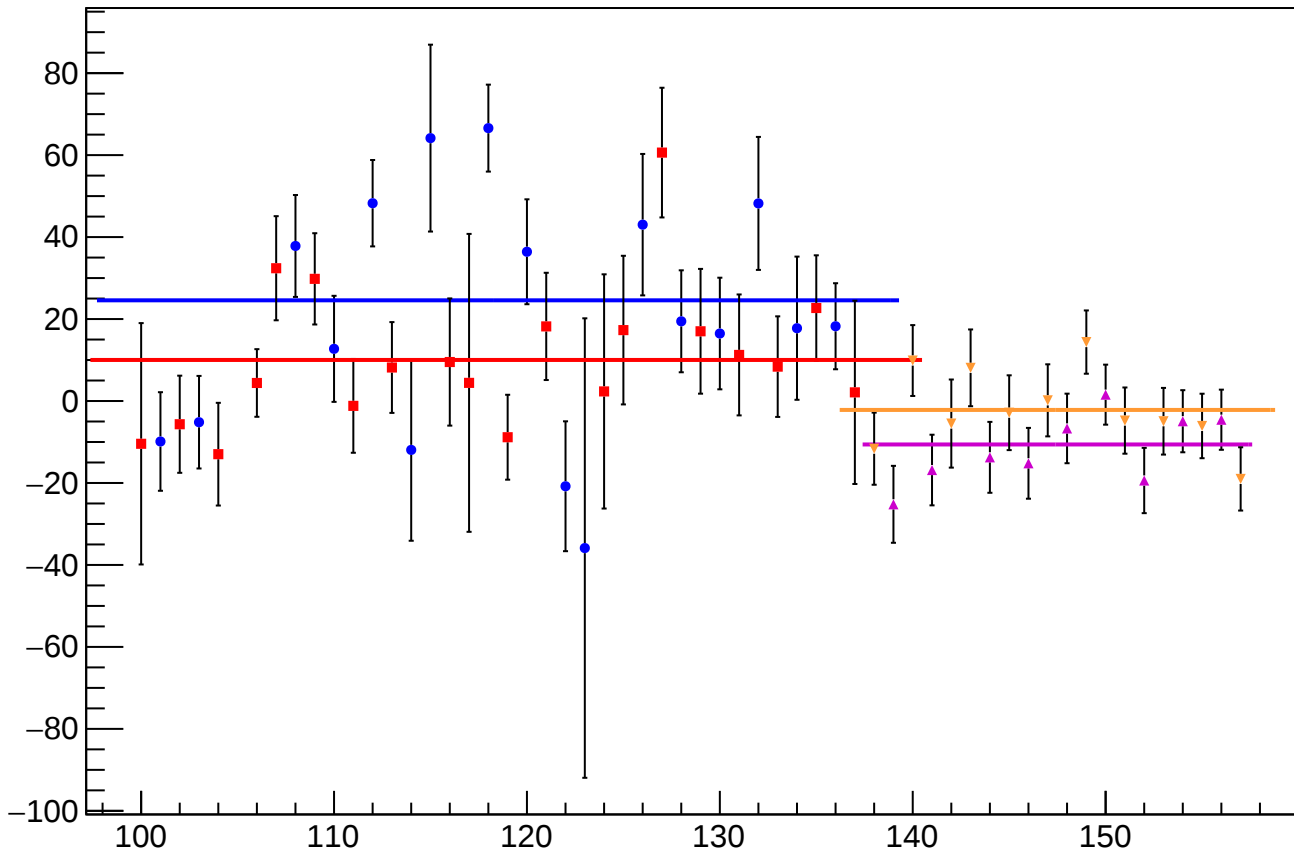
Left In: 1246.229 $\pm$ 0.332 χ^2 /NDF: 414444.1/8

1170.052 $\pm$ 0.217 χ^2 /NDF: 610320.8/27

1173.659 $\pm$ 0.155 χ^2 /NDF: 1232085.0/56

1177.407 $\pm$ 0.222 χ^2 /NDF: 621202.8/28

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.569+/-3.318 χ^2/NDF : 58.1/16

Left Out: -2.176+/-2.570 χ^2/NDF : 14.3/10

Right Out: 10.019+/-2.997 χ^2/NDF : 28.8/19

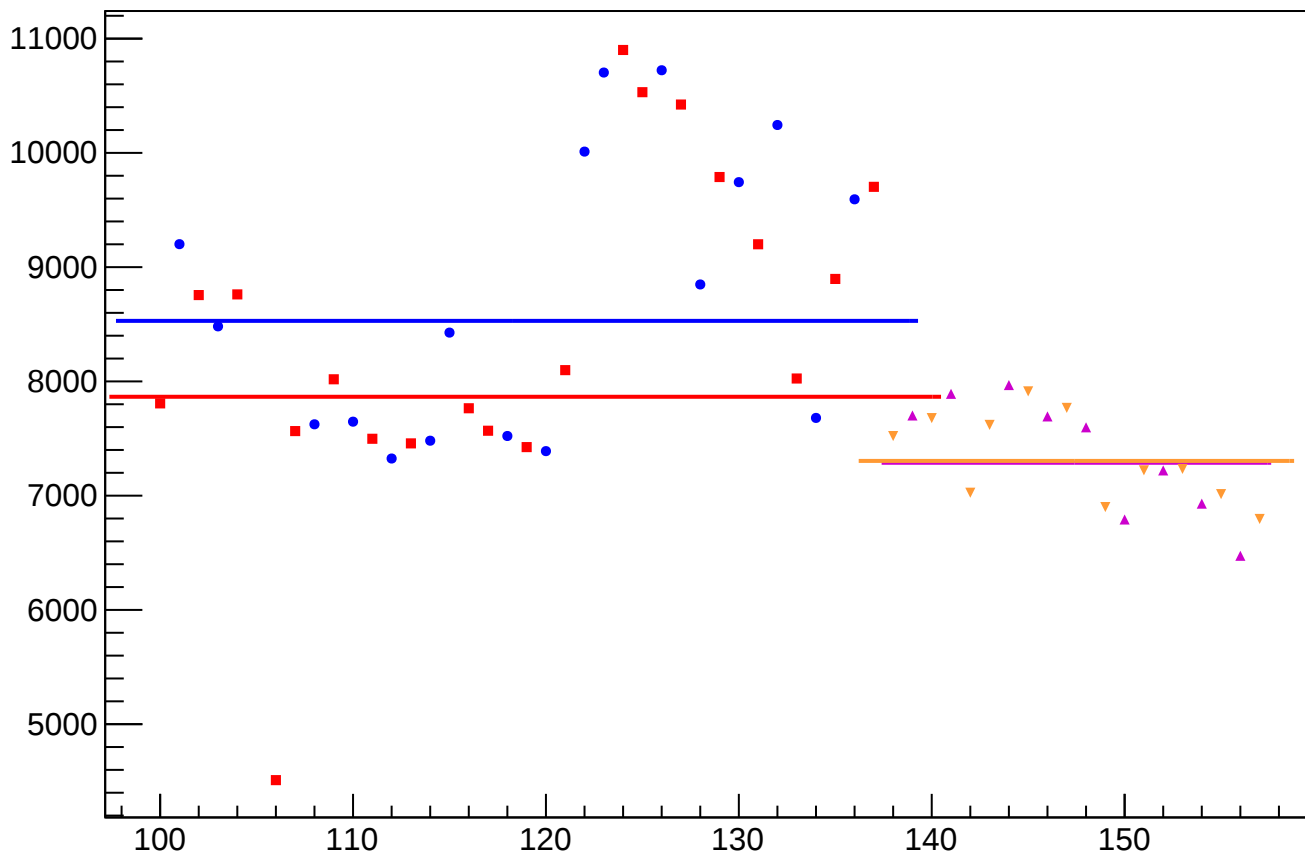
Left In: -10.602+/-2.713 χ^2/NDF : 8.8/8

7.850+/-2.032 χ^2/NDF : 113.0/27

3.221+/-1.429 χ^2/NDF : 186.9/56

-1.316+/-2.011 χ^2/NDF : 63.6/28

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8529.821 ± 2.346 $\chi^2/\text{NDF}: 208336.1/16$

Left Out: 7304.147 ± 1.817 $\chi^2/\text{NDF}: 40274.6/10$

Right Out: 7865.549 ± 2.119 $\chi^2/\text{NDF}: 555976.4/19$

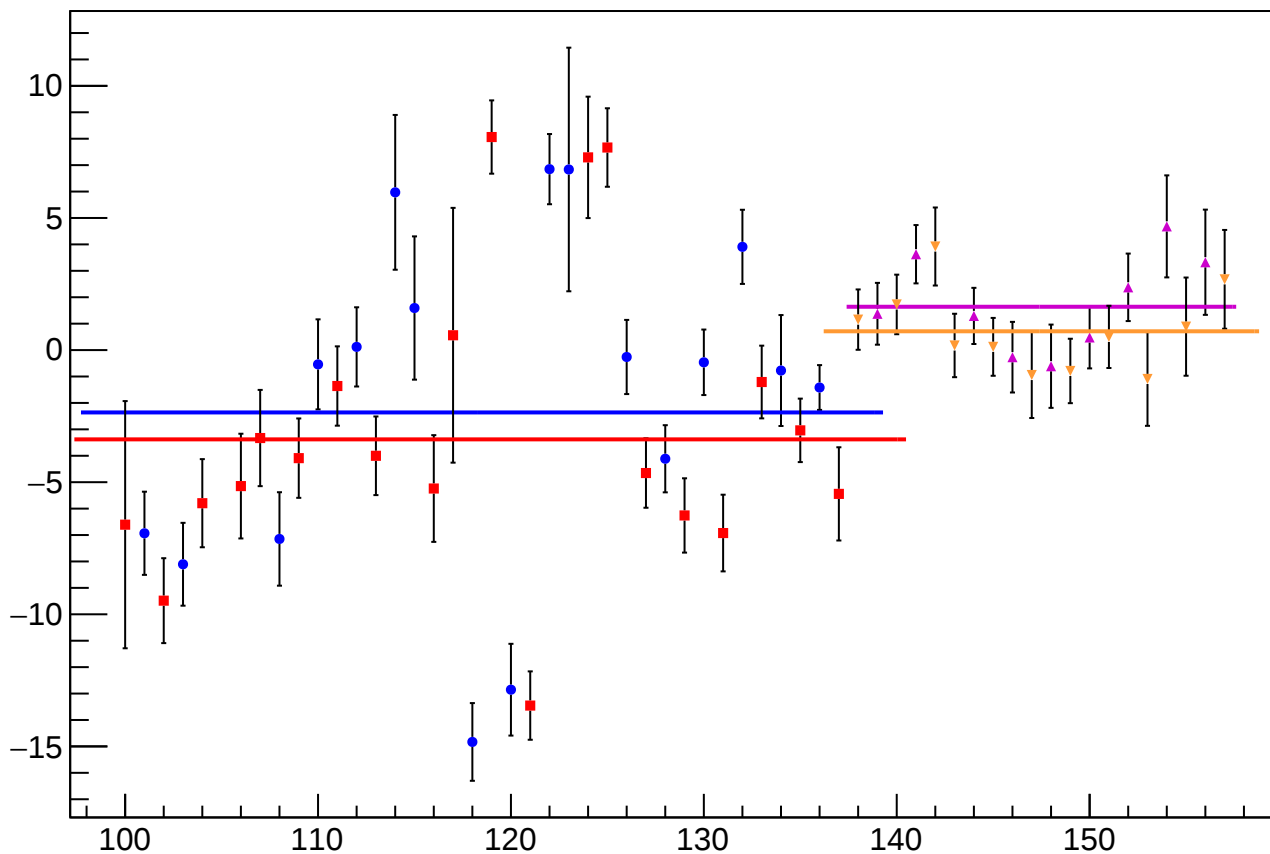
Left In: 7287.837 ± 1.918 $\chi^2/\text{NDF}: 71554.5/8$

7763.620 ± 1.437 $\chi^2/\text{NDF}: 419179.1/27$

7654.725 ± 1.011 $\chi^2/\text{NDF}: 1098924.9/56$

7547.994 ± 1.422 $\chi^2/\text{NDF}: 668369.4/28$

diff_bpm0l10Y_mean vs Slug, Sign Corrected



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

Left Out: 0.711 ± 0.401 χ^2/NDF : 10.9/10

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

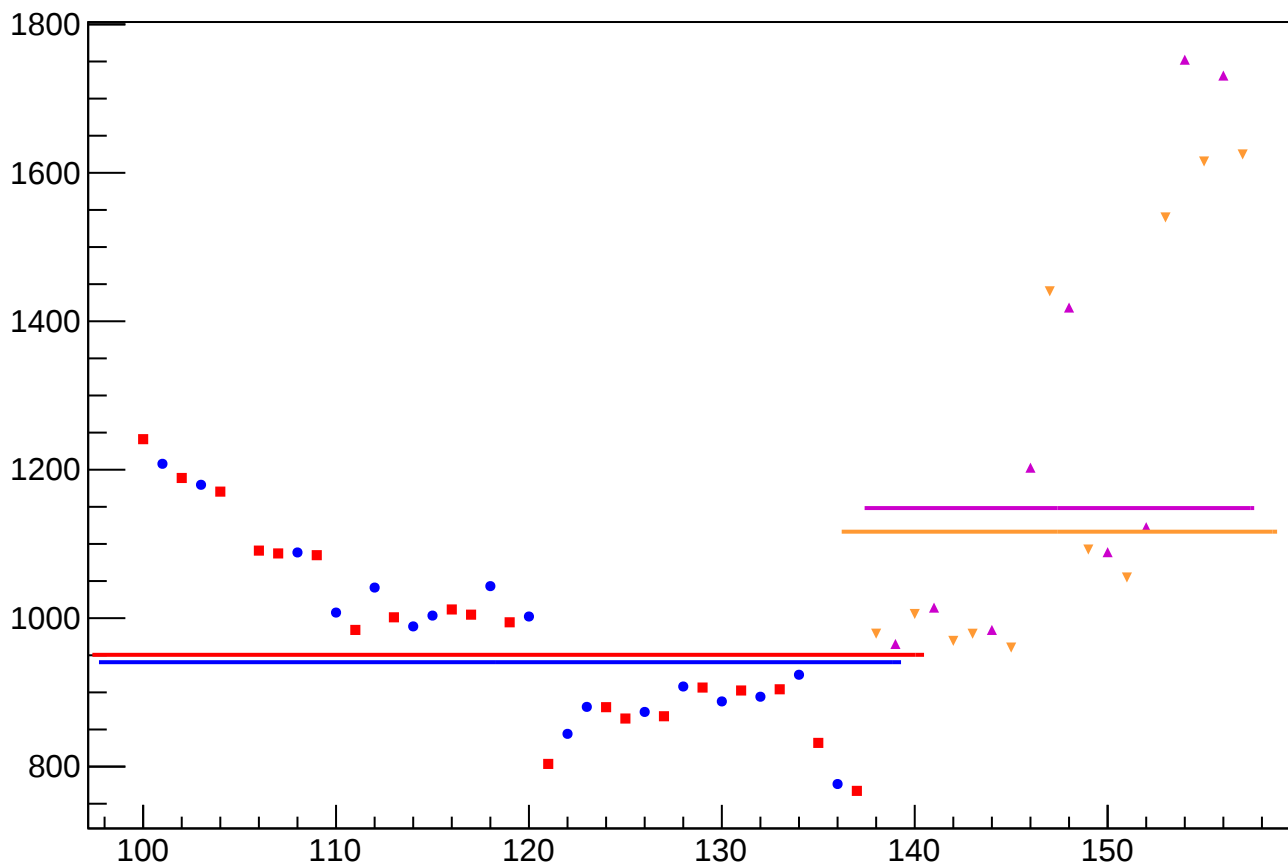
Left In: 1.640 ± 0.436 χ^2/NDF : 12.0/8

-0.968 ± 0.270 χ^2/NDF : 274.9/27

-1.161 ± 0.193 χ^2/NDF : 609.4/56

-1.363 ± 0.276 χ^2/NDF : 333.4/28

diff_bpm0l10Y_rms vs Slug, Sign Corrected



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

Left Out: 1116.517 +/- 0.284 χ^2/NDF : 626293.7/10

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

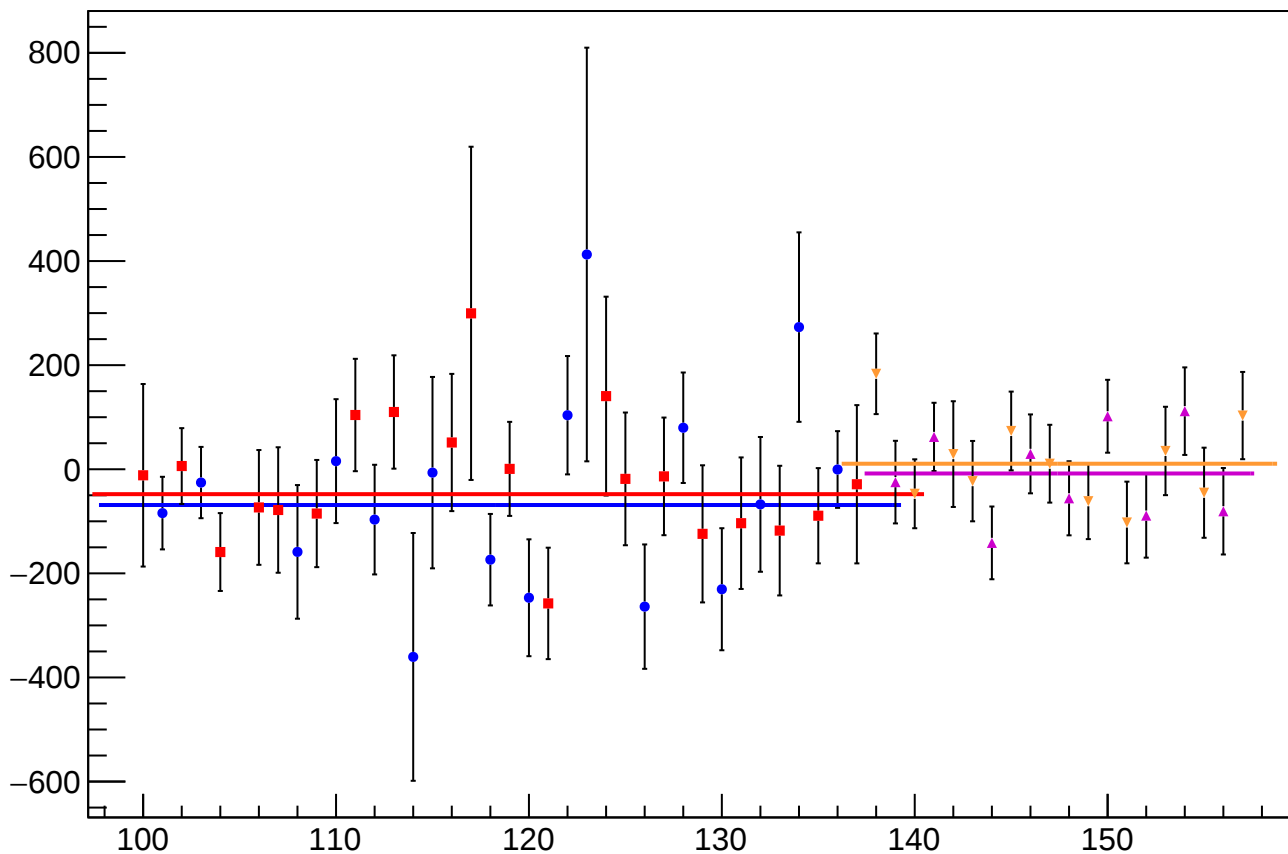
Left In: 1148.324 +/- 0.308 χ^2/NDF : 561375.0/8

1020.392 +/- 0.191 χ^2/NDF : 1077834.8/27

1025.109 +/- 0.137 χ^2/NDF : 2107516.2/56

1030.039 +/- 0.195 χ^2/NDF : 1028435.3/28

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -68.688 $\pm$ 25.946 χ^2/NDF : 21.8/16

Left Out: 10.635 $\pm$ 23.710 χ^2/NDF : 11.4/10

Right Out: -47.835 $\pm$ 24.944 χ^2/NDF : 15.2/19

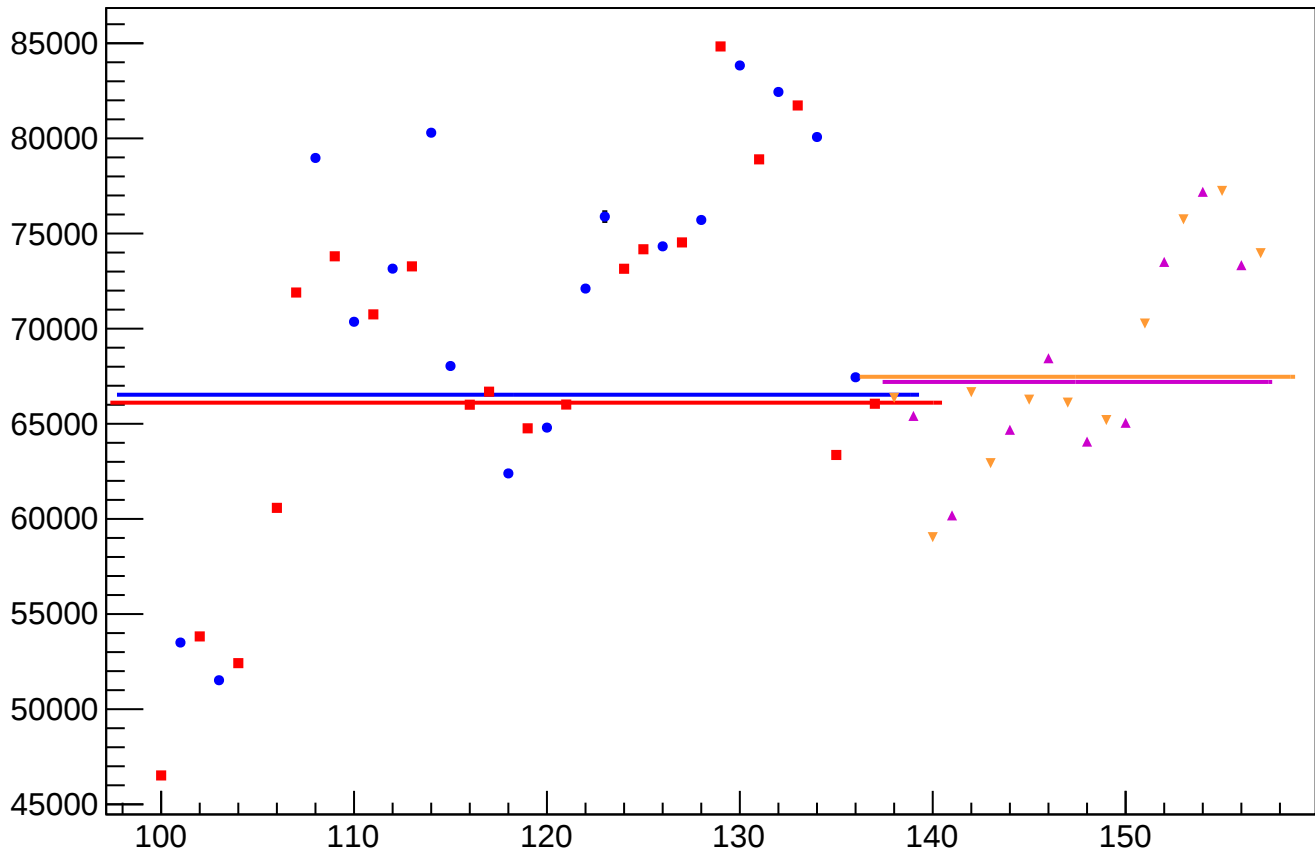
Left In: -8.118 $\pm$ 24.914 χ^2/NDF : 11.8/8

-25.463 $\pm$ 17.503 χ^2/NDF : 38.3/27

-26.699 $\pm$ 12.420 χ^2/NDF : 66.5/56

-27.953 $\pm$ 17.627 χ^2/NDF : 28.3/28

diff_bpm0r03X_rms vs Slug, Sign Corrected



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

Left Out: 67470.540 ± 16.766 χ^2/NDF : 102016.1/10

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

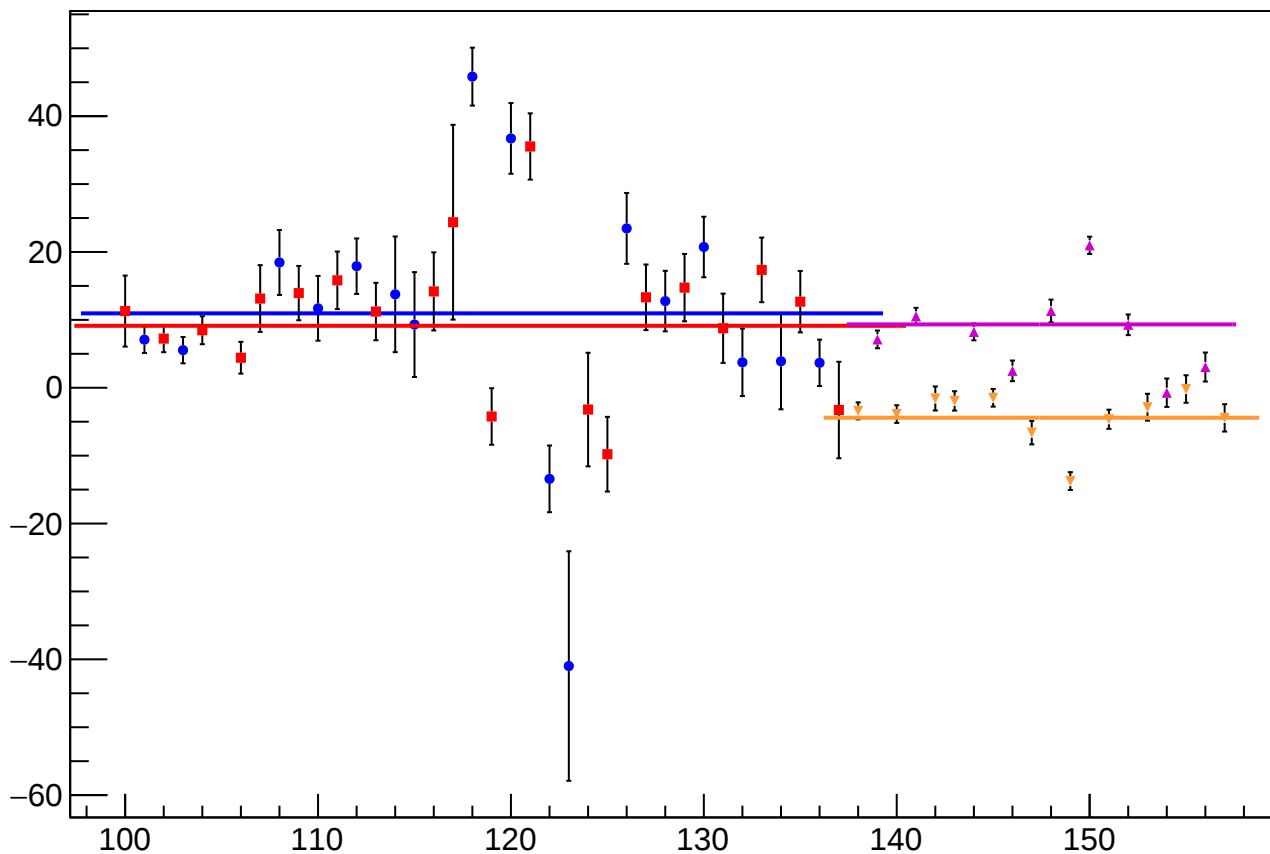
Left In: 67199.219 ± 17.617 χ^2/NDF : 84140.7/8

67041.279 ± 12.376 χ^2/NDF : 424343.9/27

66849.485 ± 8.782 χ^2/NDF : 809371.6/56

66654.955 ± 12.464 χ^2/NDF : 384544.0/28

diff_bpm0r03Y_mean vs Slug, Sign Corrected



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

Left Out: -4.415 $\pm$ 0.457 χ^2/NDF : 68.4/10

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

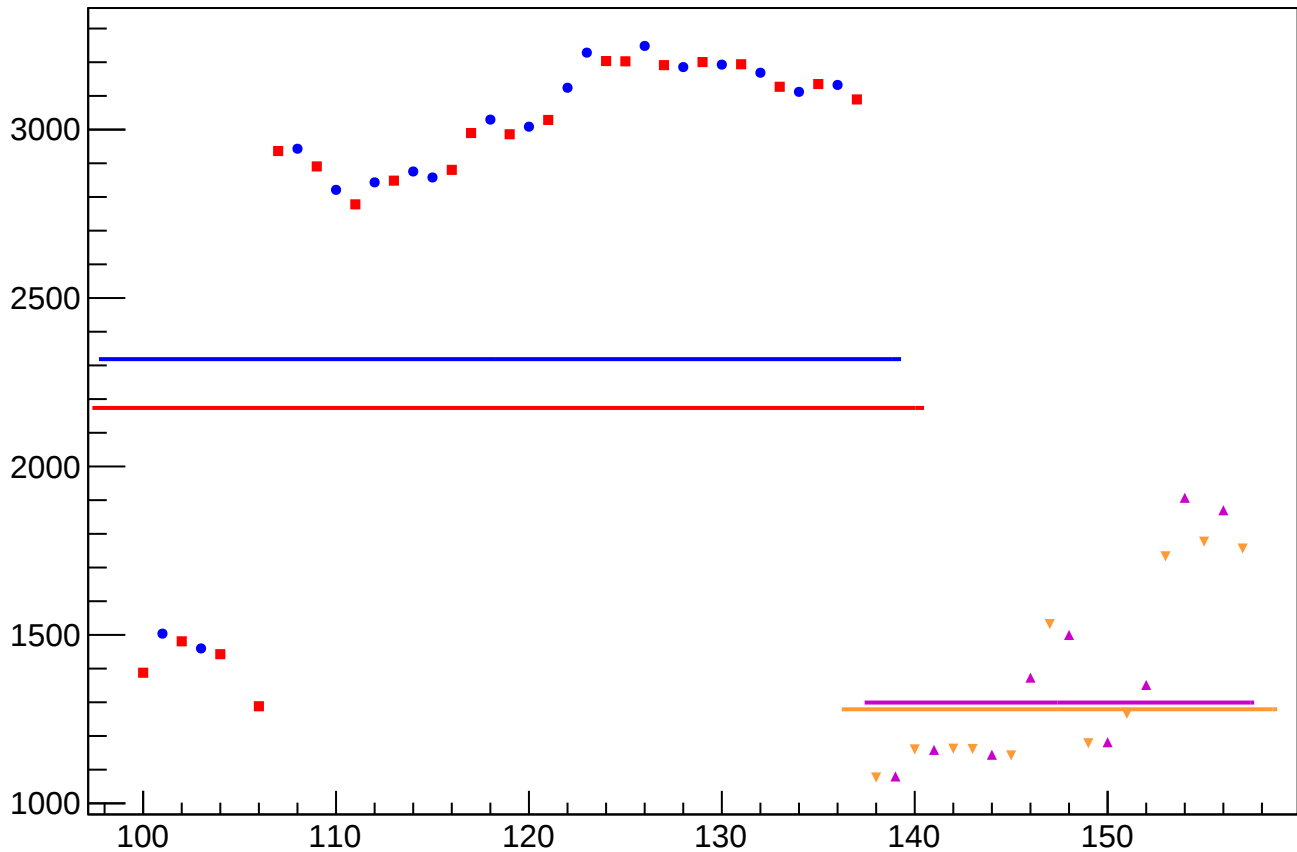
Left In: 9.331 $\pm$ 0.490 χ^2/NDF : 142.0/8

-1.490 $\pm$ 0.411 χ^2/NDF : 444.5/27

3.700 $\pm$ 0.296 χ^2/NDF : 991.1/56

9.281 $\pm$ 0.427 χ^2/NDF : 216.2/28

diff_bpm0r03Y_rms vs Slug, Sign Corrected



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

Left Out: 1279.200 +/- 0.323 χ^2/NDF : 506566.3/10

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

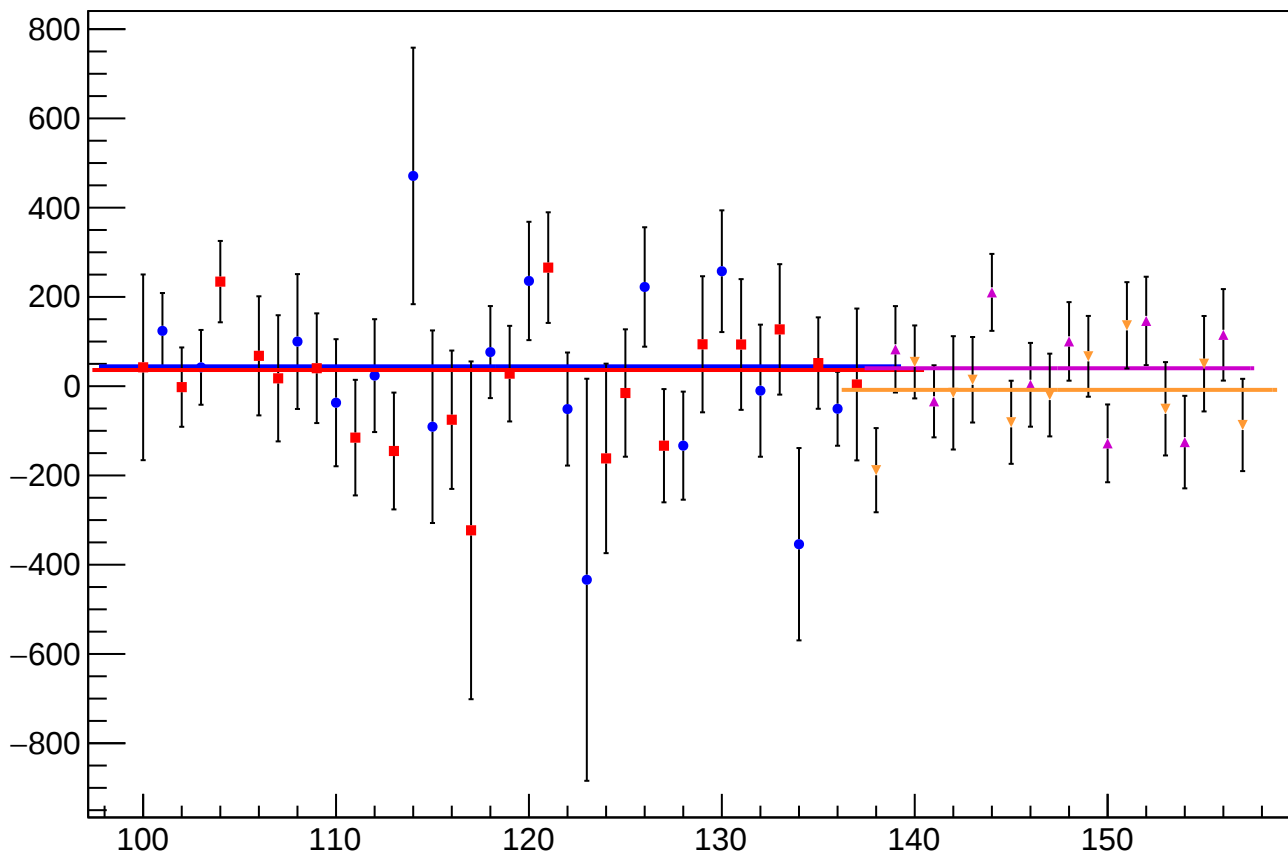
Left In: 1299.233 +/- 0.347 χ^2/NDF : 477185.7/8

1476.953 +/- 0.291 χ^2/NDF : 3881724.9/27

1493.867 +/- 0.209 χ^2/NDF : 7673752.5/56

1512.055 +/- 0.302 χ^2/NDF : 3785011.7/28

diff_bpm0r05X_mean vs Slug, Sign Corrected



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

Left Out: -8.256+/-29.282 χ^2/NDF : 8.9/10

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

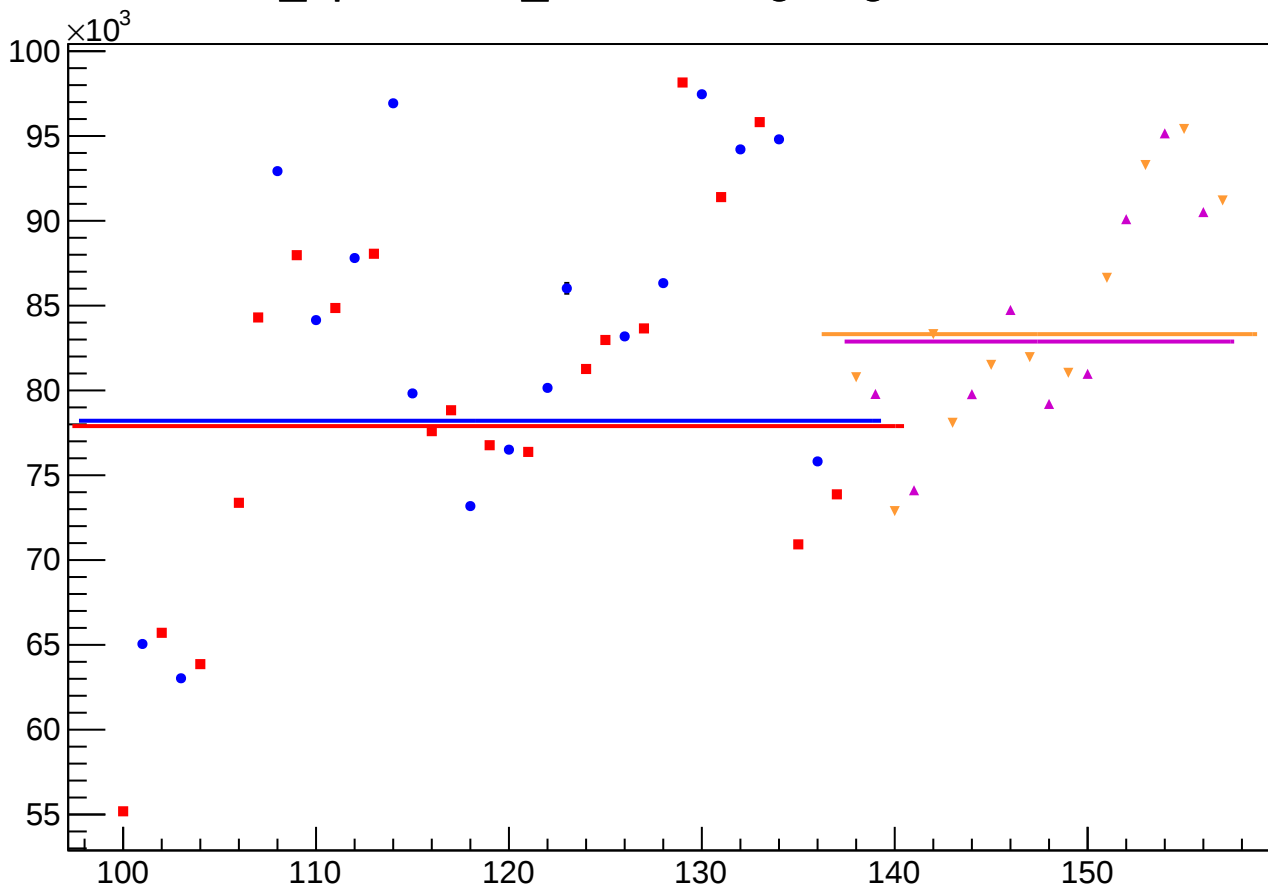
Left In: 40.182+/-30.731 χ^2/NDF : 13.5/8

17.098+/-21.100 χ^2/NDF : 29.5/27

27.551+/-14.963 χ^2/NDF : 60.2/56

38.126+/-21.224 χ^2/NDF : 30.2/28

diff_bpm0r05X_rms vs Slug, Sign Corrected



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

Left Out: 83318.638 $\pm$ 20.705 χ^2/NDF :100195.0/10

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

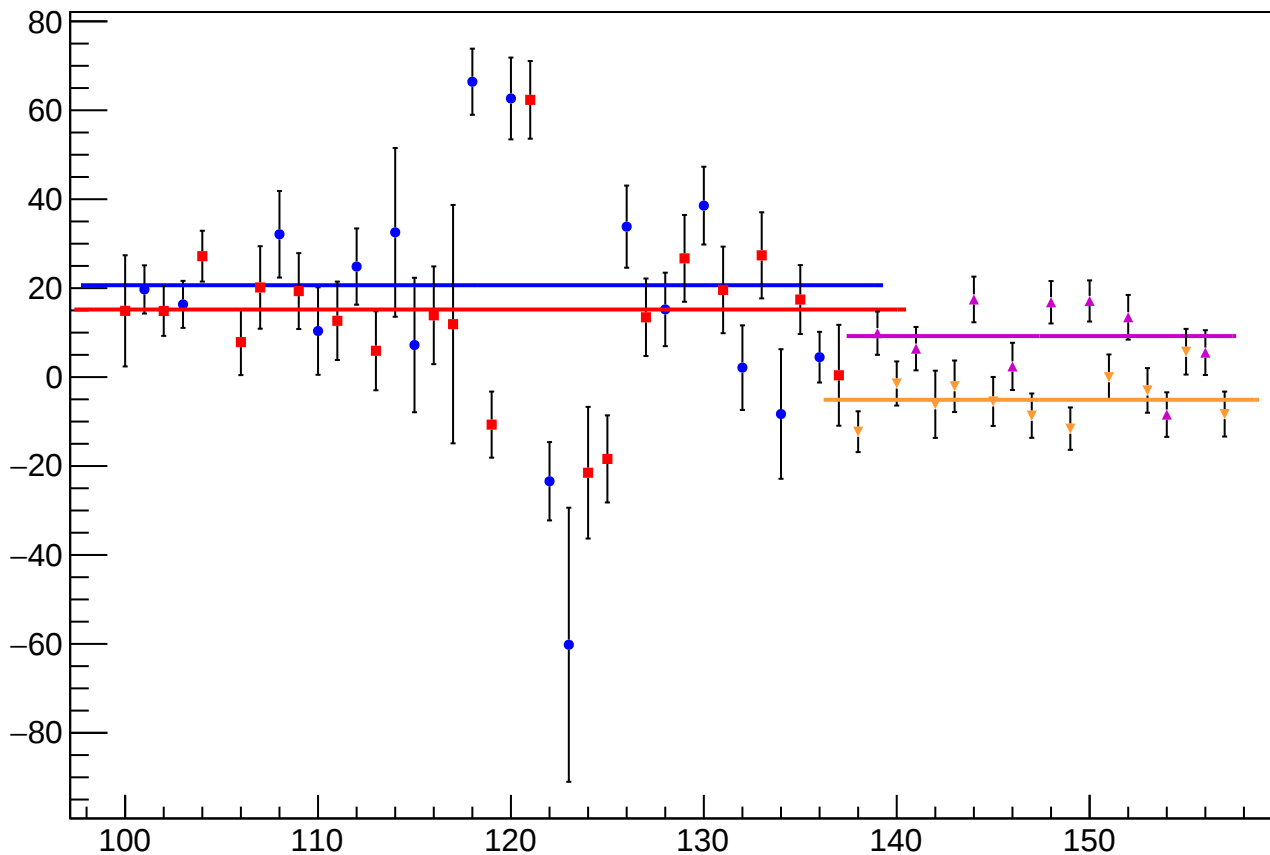
Left In: 82881.532 $\pm$ 21.730 χ^2/NDF :83146.0/8

80864.142 $\pm$ 14.920 χ^2/NDF : 380483.3/27

80571.175 $\pm$ 10.581 χ^2/NDF : 738901.5/50

80274.767 $\pm$ 15.007 χ^2/NDF : 357642.6/28

diff_bpm0r05Y_mean vs Slug, Sign Corrected



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

Left Out: -5.099 $\pm$ 1.566 χ^2 /NDF: 11.6/10

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

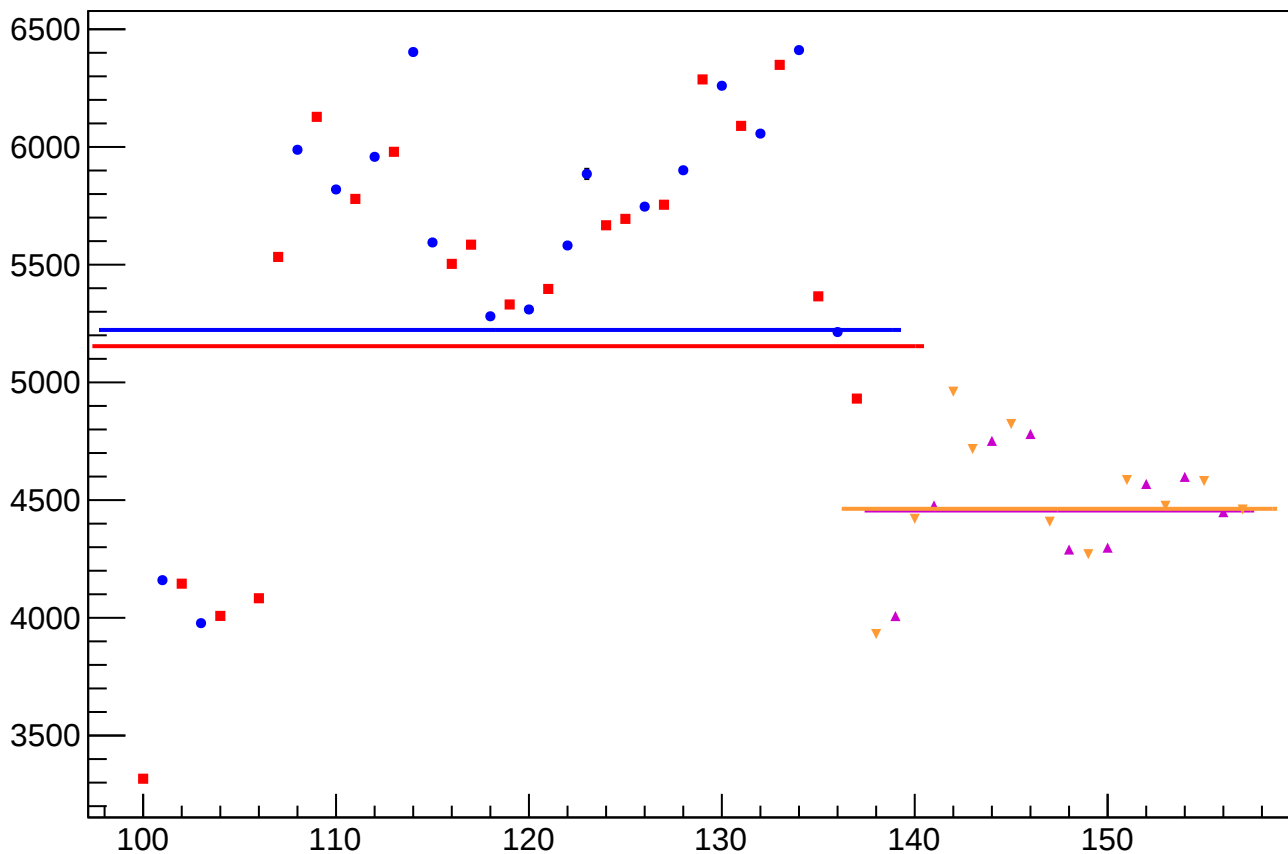
Left In: 9.226 $\pm$ 1.650 χ^2 /NDF: 23.7/8

4.477 $\pm$ 1.241 χ^2 /NDF: 229.9/27

8.045 $\pm$ 0.884 χ^2 /NDF: 347.2/56

11.719 $\pm$ 1.259 χ^2 /NDF: 100.5/28

diff_bpm0r05Y_rms vs Slug, Sign Corrected



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

Left Out: 4463.064 $\pm$ 1.107 χ^2 /NDF: 53803.9/10

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

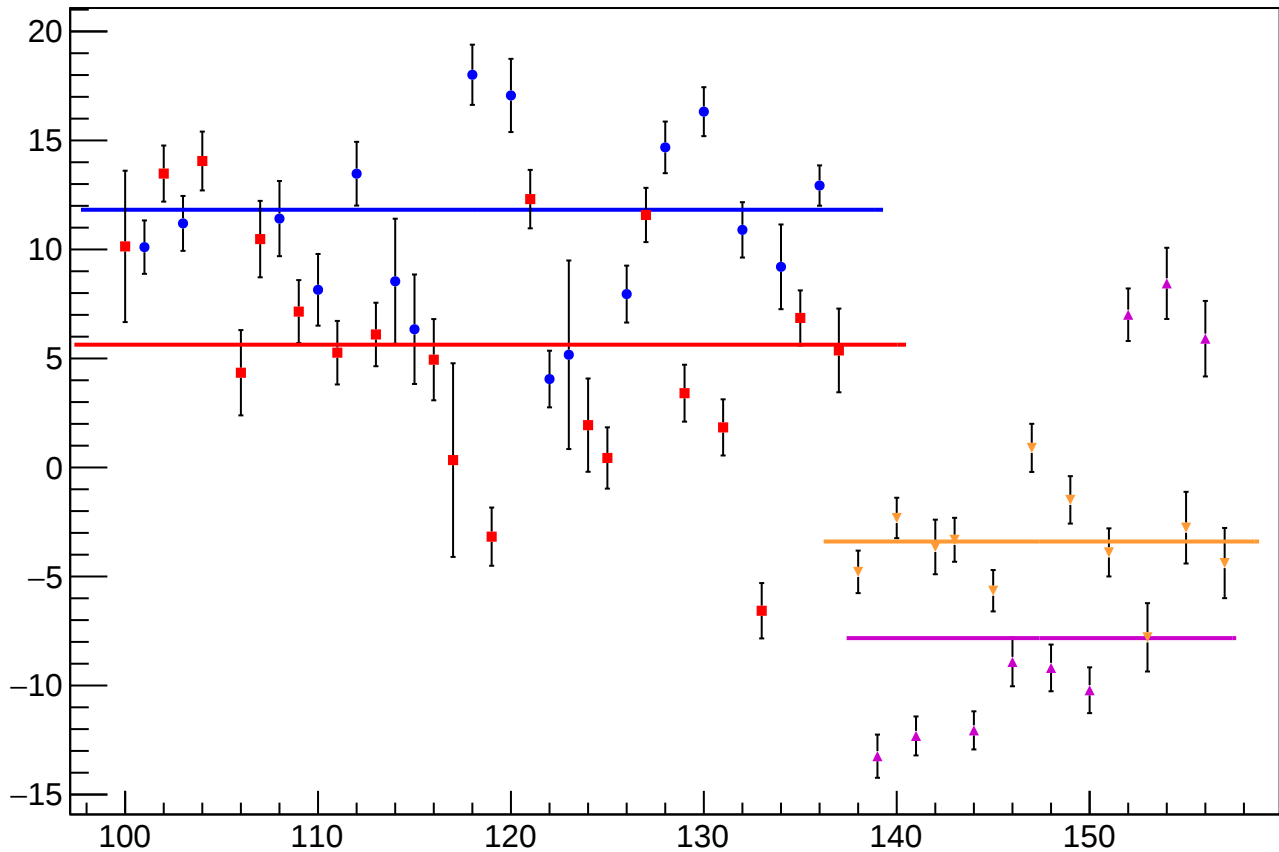
Left In: 4455.762 $\pm$ 1.167 χ^2 /NDF: 38508.7/8

4745.509 $\pm$ 0.878 χ^2 /NDF: 541255.6/27

4746.302 $\pm$ 0.625 χ^2 /NDF: 1117370.4/56

4747.117 $\pm$ 0.891 χ^2 /NDF: 576113.1/28

diff_bpm2i01X_mean vs Slug, Sign Corrected



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

Left Out: -3.396+/-0.341 χ^2 /NDF: 35.9/10

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

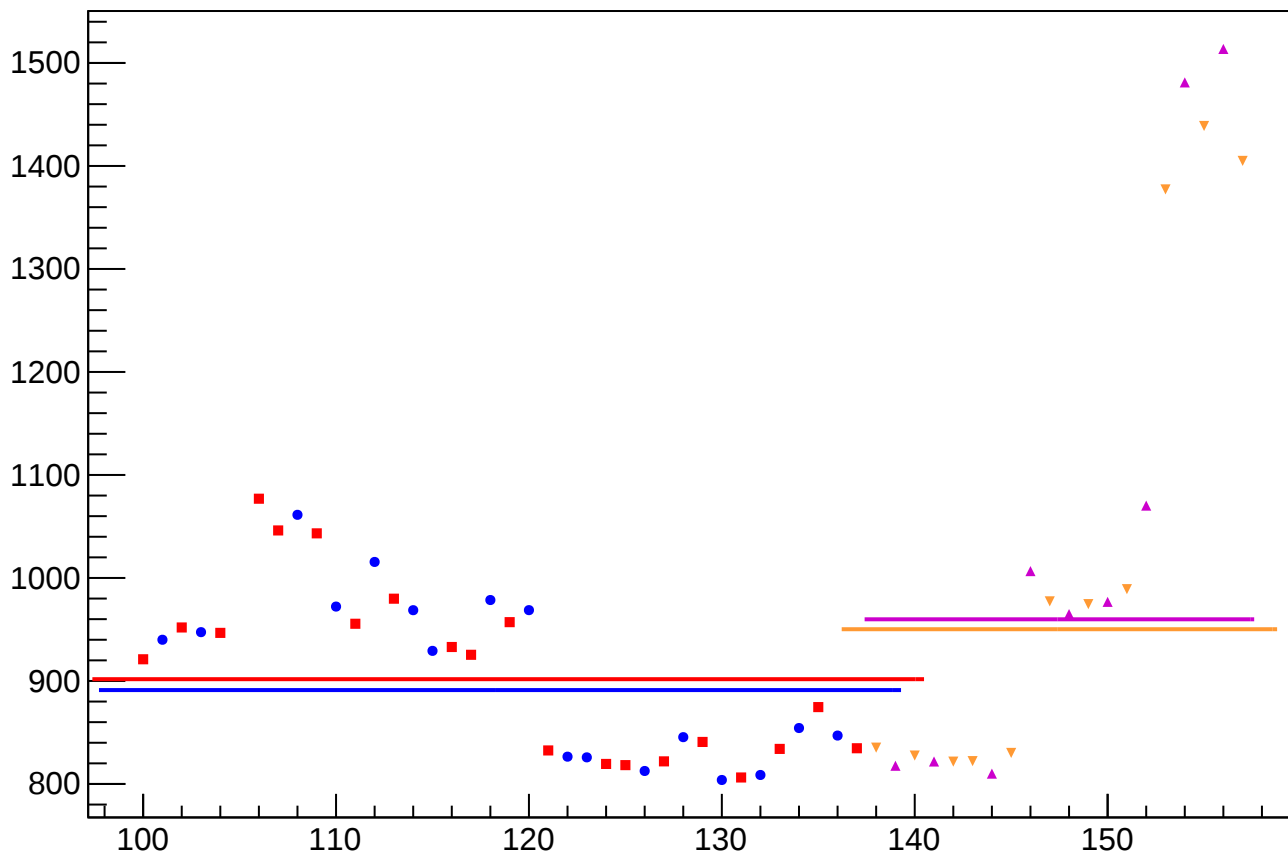
Left In: -7.826+/-0.364 χ^2 /NDF: 400.0/8

4.136+/-0.242 χ^2 /NDF: 1138.3/27

1.820+/-0.173 χ^2 /NDF: 2761.9/56

-0.593+/-0.247 χ^2 /NDF: 1437.2/28

diff_bpm2i01X_rms vs Slug, Sign Corrected



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

Left Out: 950.222+/-0.241 χ^2/NDF : 637593.9/10

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

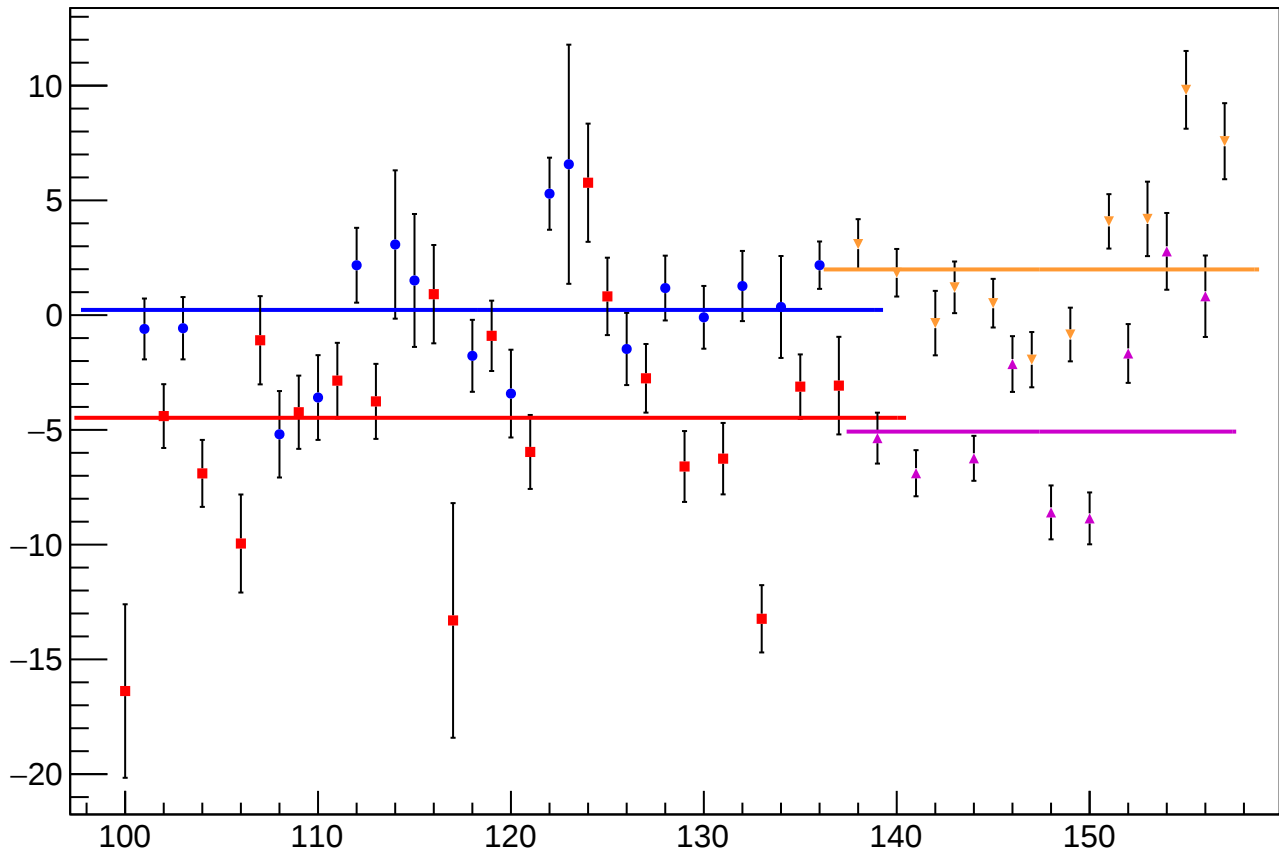
Left In: 959.859+/-0.257 χ^2/NDF : 576674.3/8

920.983+/-0.171 χ^2/NDF : 768952.6/27

924.721+/-0.122 χ^2/NDF : 1488696.5/56

928.616+/-0.175 χ^2/NDF : 718772.4/28

diff_bpm2i01Y_mean vs Slug, Sign Corrected



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

Left Out: 1.991 $\pm$ 0.373 χ^2/NDF : 60.4/10

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

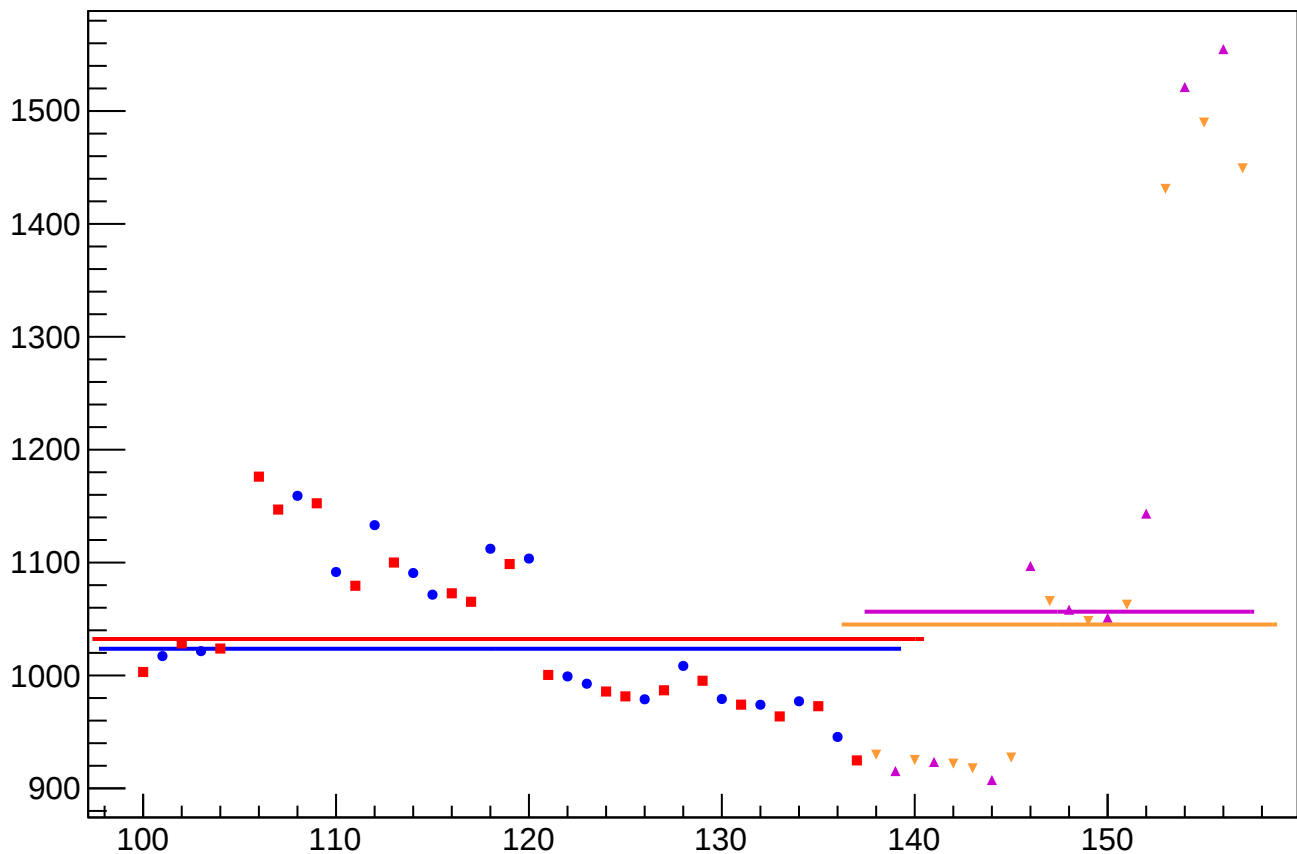
Left In: -5.075 $\pm$ 0.398 χ^2/NDF : 70.9/8

1.160 $\pm$ 0.271 χ^2/NDF : 109.5/27

-1.740 $\pm$ 0.194 χ^2/NDF : 521.6/56

-4.765 $\pm$ 0.277 χ^2/NDF : 178.4/28

diff_bpm2i01Y_rms vs Slug, Sign Corrected



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

Left Out: 1045.143 $\pm$ 0.264 χ^2 /NDF: 486057.0/10

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

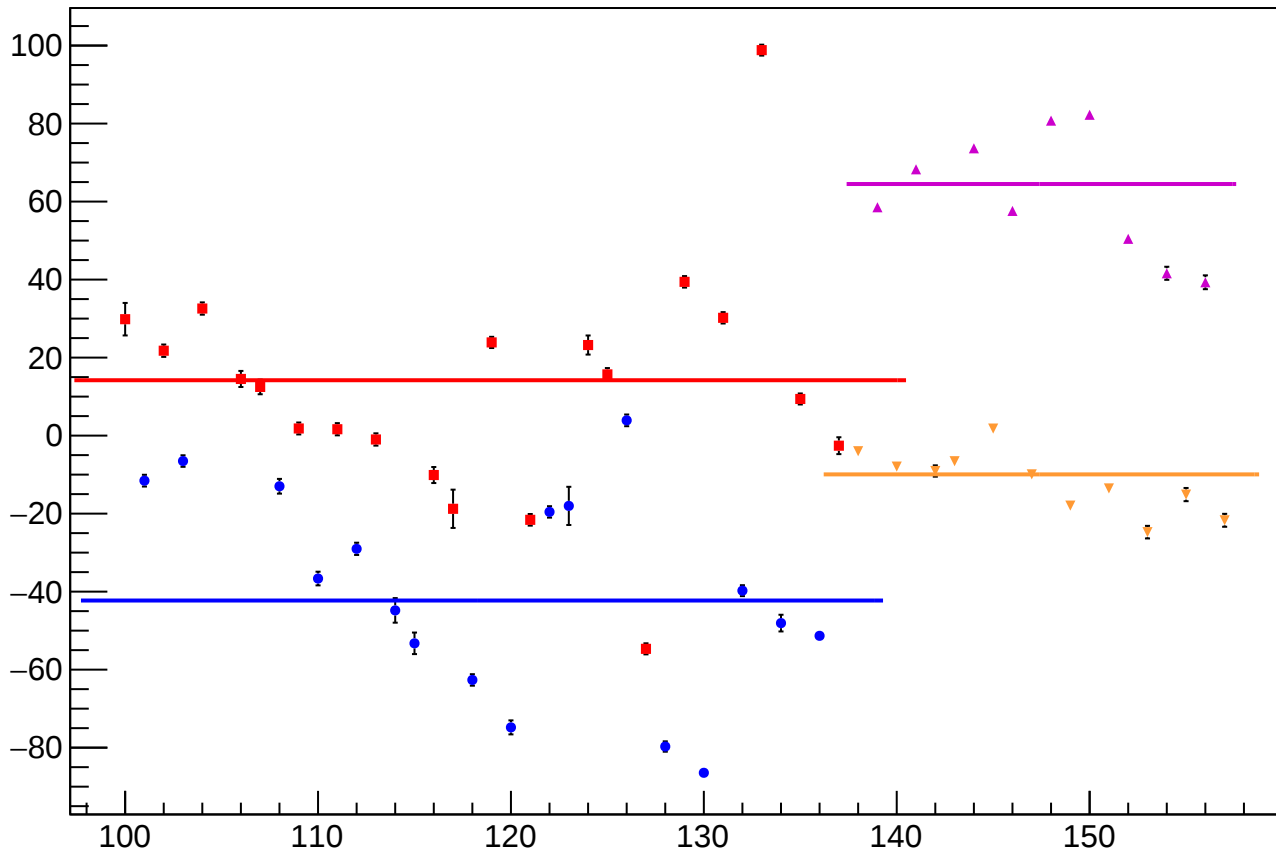
Left In: 1056.480 $\pm$ 0.281 χ^2 /NDF: 437476.4/8

1035.017 $\pm$ 0.192 χ^2 /NDF: 541560.6/27

1039.417 $\pm$ 0.137 χ^2 /NDF: 1043398.2/56

1044.007 $\pm$ 0.196 χ^2 /NDF: 500761.4/28

diff_bpm2i02X_mean vs Slug, Sign Corrected



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

Left Out: -9.941+/-0.382 χ^2/NDF : 350.1/10

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

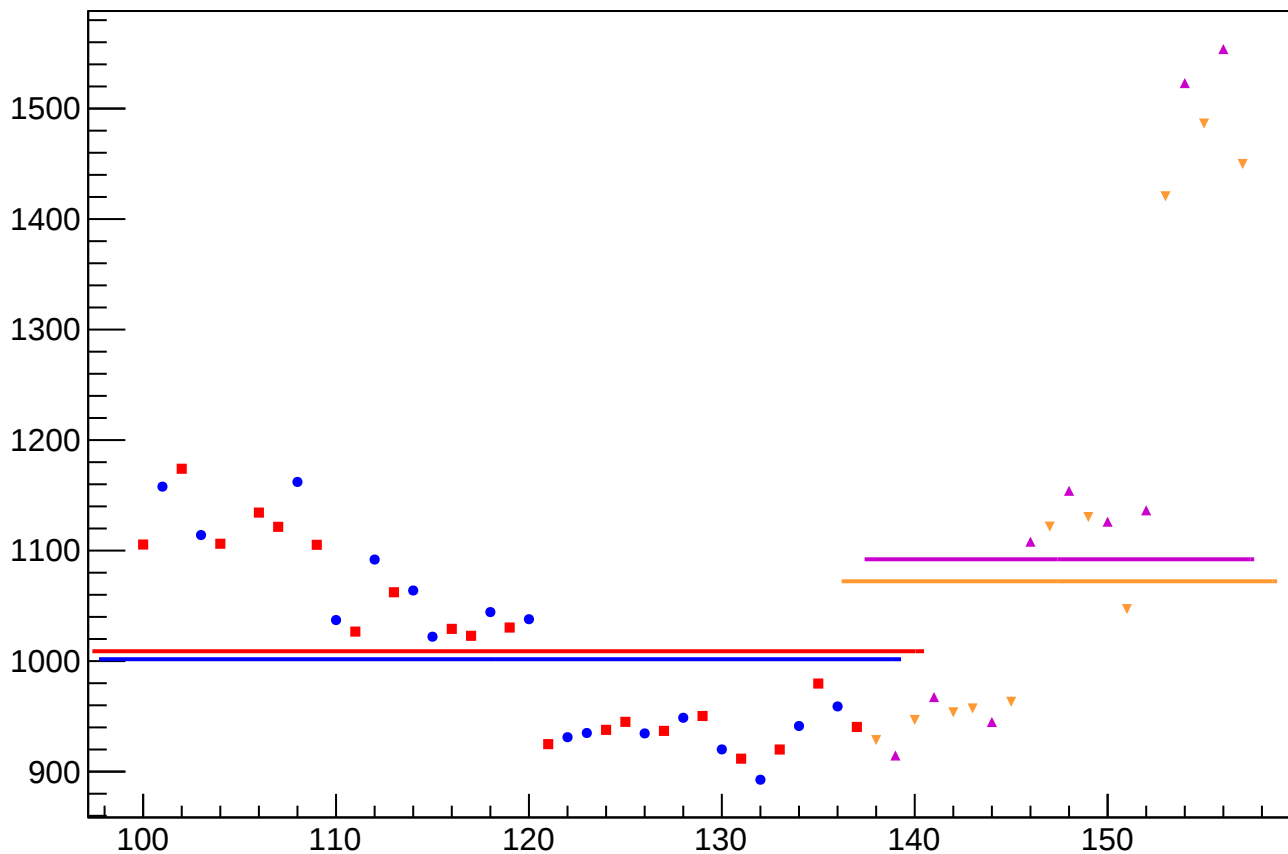
Left In: 64.502+/-0.411 χ^2/NDF : 1038.8/8

-25.899+/-0.272 χ^2/NDF : 9011.2/27

4.968+/-0.194 χ^2/NDF : 52235.0/56

37.210+/-0.278 χ^2/NDF : 16884.1/28

diff_bpm2i02X_rms vs Slug, Sign Corrected



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

Left Out: 1072.236 $\pm$ 0.270 χ^2 /NDF: 439996.9/10

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

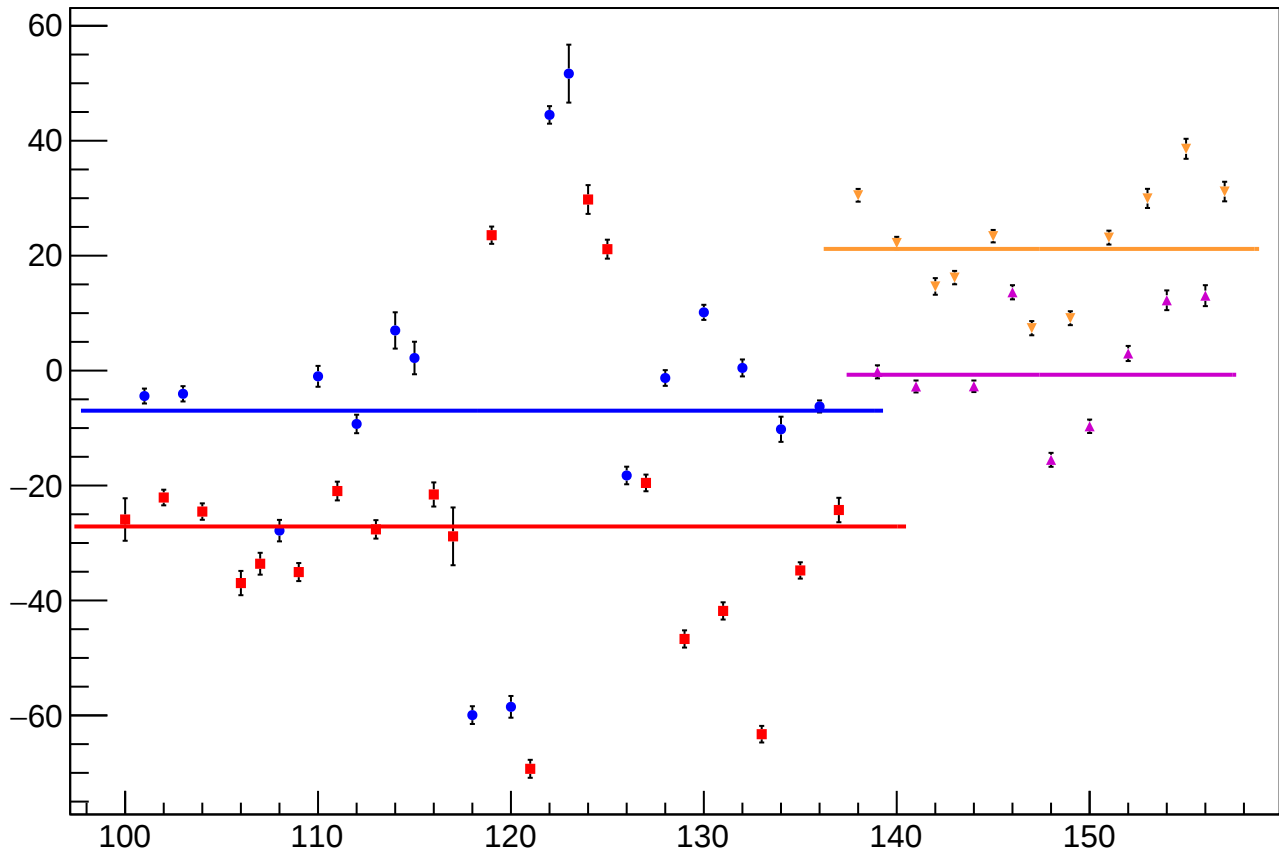
Left In: 1092.134 $\pm$ 0.291 χ^2 /NDF: 397429.7/8

1037.431 $\pm$ 0.192 χ^2 /NDF: 569102.9/27

1042.108 $\pm$ 0.137 χ^2 /NDF: 1107591.3/56

1046.993 $\pm$ 0.197 χ^2 /NDF: 537278.9/28

diff_bpm2i02Y_mean vs Slug, Sign Corrected



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

Left Out: 21.176 ± 0.384 χ^2/NDF : 502.6/10

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

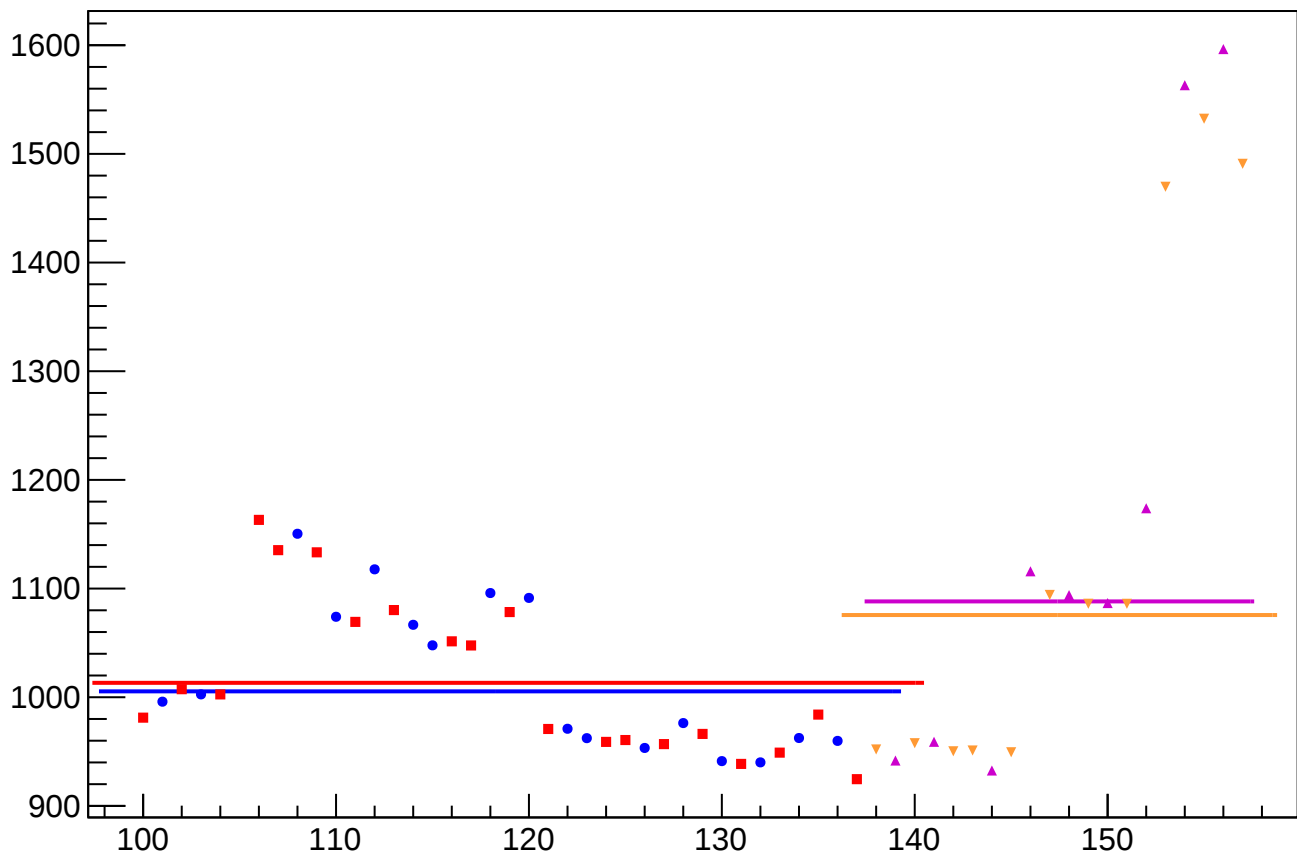
Left In: -0.722 ± 0.410 χ^2/NDF : 472.3/8

7.257 ± 0.273 χ^2/NDF : 6801.1/27

-3.644 ± 0.195 χ^2/NDF : 17053.1/56

-14.968 ± 0.278 χ^2/NDF : 6996.4/28

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 1005.409 ± 0.274 $\chi^2/\text{NDF}: 54586.0/16$

Left Out: 1075.640 ± 0.271 $\chi^2/\text{NDF}: 482776.1/10$

Right Out: 1013.260 ± 0.268 $\chi^2/\text{NDF}: 63359.8/19$

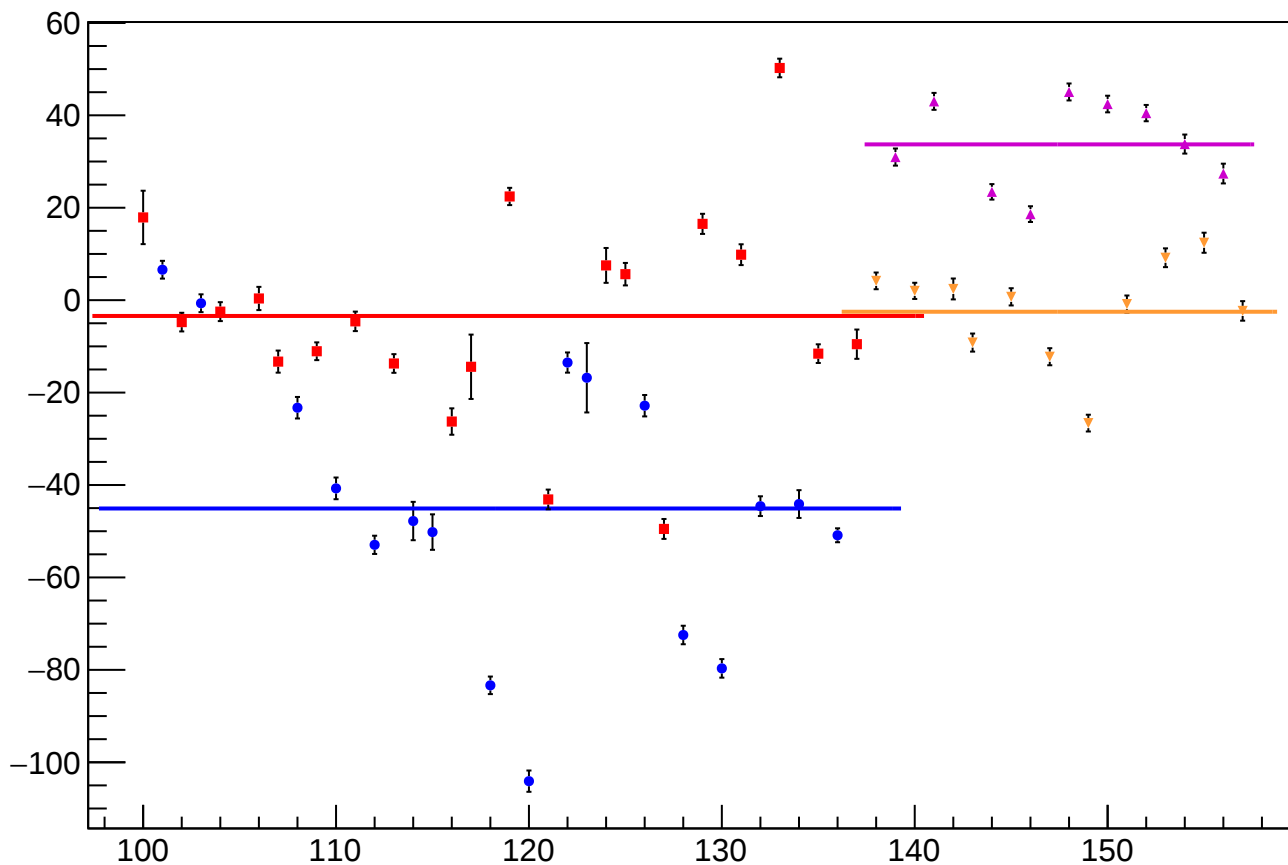
Left In: 1088.174 ± 0.290 $\chi^2/\text{NDF}: 429437.9/8$

1040.914 ± 0.193 $\chi^2/\text{NDF}: 570497.3/27$

1044.269 ± 0.138 $\chi^2/\text{NDF}: 1099984.2/56$

1047.754 ± 0.197 $\chi^2/\text{NDF}: 528870.2/28$

diff_bpm0i02X_mean vs Slug, Sign Corrected



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

Left Out: -2.507+/-0.583 χ^2/NDF : 324.9/10

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

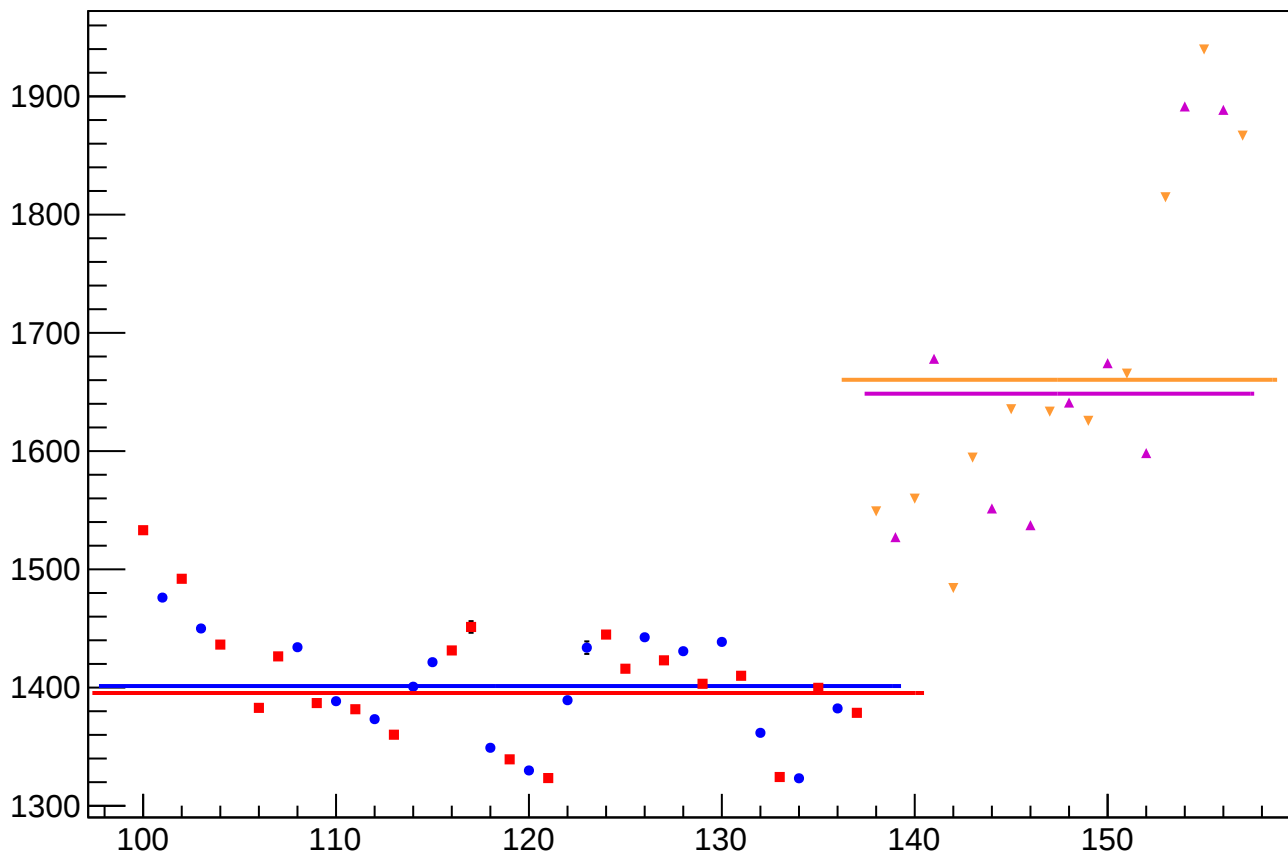
Left In: 33.708+/-0.612 χ^2/NDF : 229.2/8

-25.438+/-0.396 χ^2/NDF : 6434.2/27

-6.651+/-0.280 χ^2/NDF : 15311.0/56

12.164+/-0.396 χ^2/NDF : 4374.1/28

diff_bpm0i02X_rms vs Slug, Sign Corrected



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

Left Out: 1660.317 +/- 0.412 χ^2/NDF : 93763.4/10

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

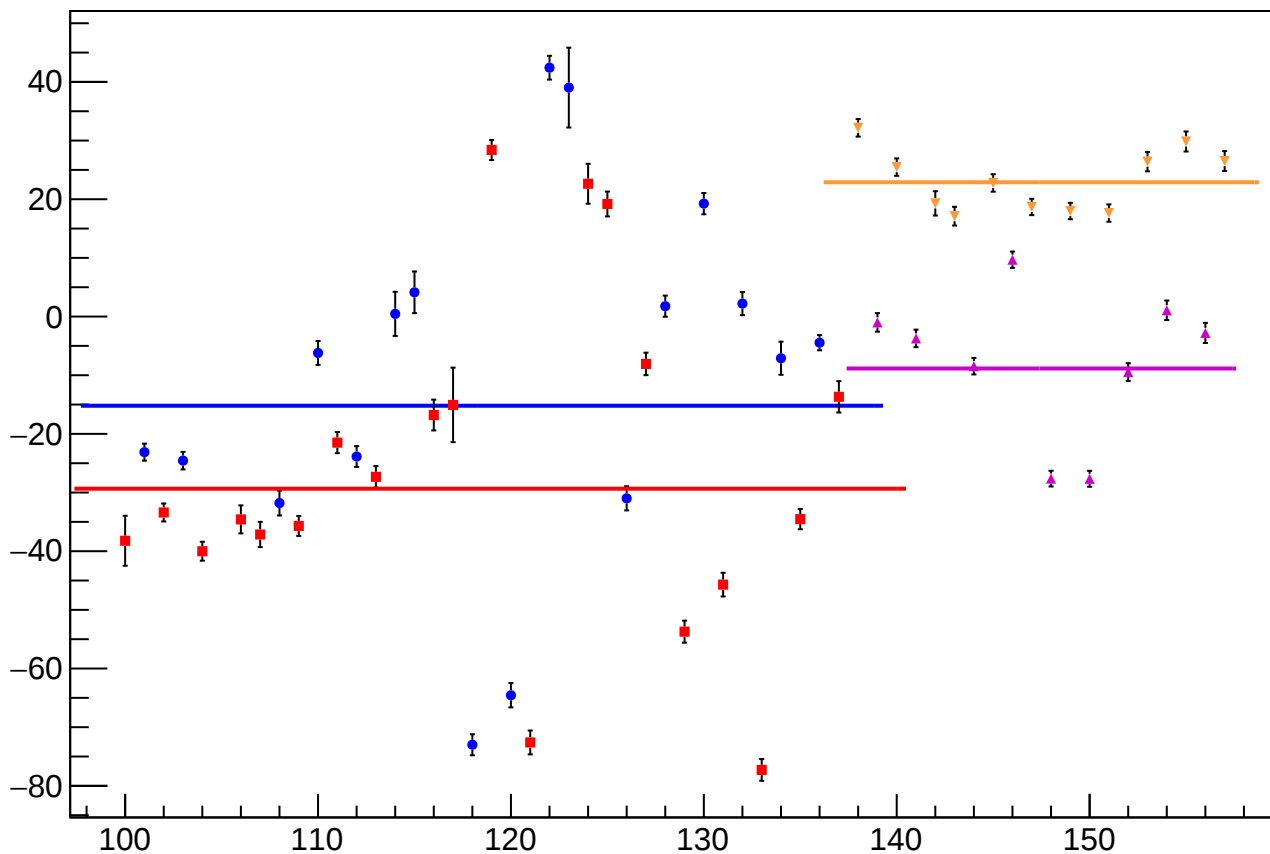
Left In: 1648.549 +/- 0.433 χ^2/NDF : 79427.6/8

1520.809 +/- 0.280 χ^2/NDF : 319147.8/27

1511.243 +/- 0.198 χ^2/NDF : 615205.1/56

1501.663 +/- 0.280 χ^2/NDF : 293722.5/28

diff_bpm0i02Y_mean vs Slug, Sign Corrected



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

Left Out: 22.890 +/- 0.471 χ^2/NDF : 117.2/10

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

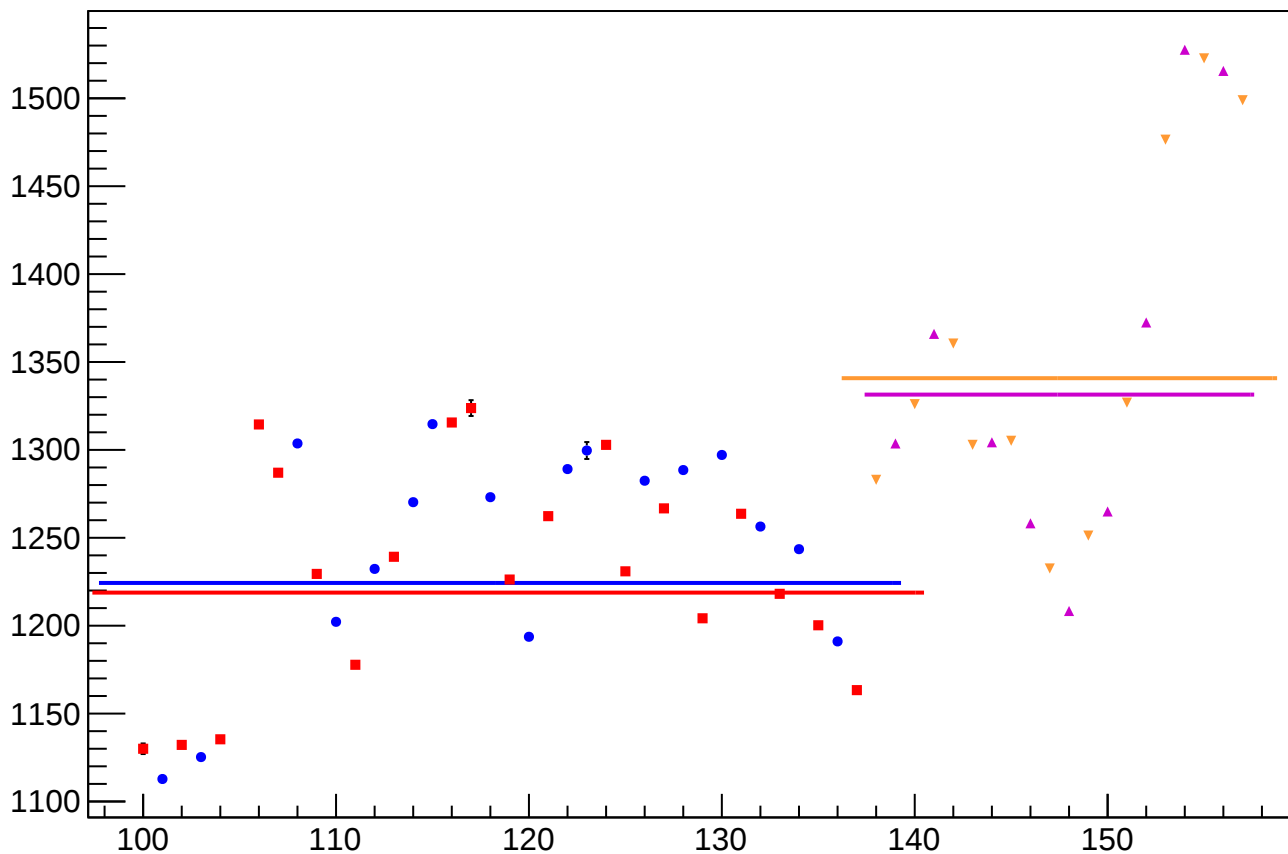
Left In: -8.856 +/- 0.494 χ^2/NDF : 649.1/8

3.904 +/- 0.333 χ^2/NDF : 6744.8/27

-7.969 +/- 0.236 χ^2/NDF : 14422.7/56

-19.934 +/- 0.335 χ^2/NDF : 5130.1/28

diff_bpm0i02Y_rms vs Slug, Sign Corrected



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

Left Out: 1340.791 $\pm$ 0.333 χ^2 /NDF: 79623.8/10

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

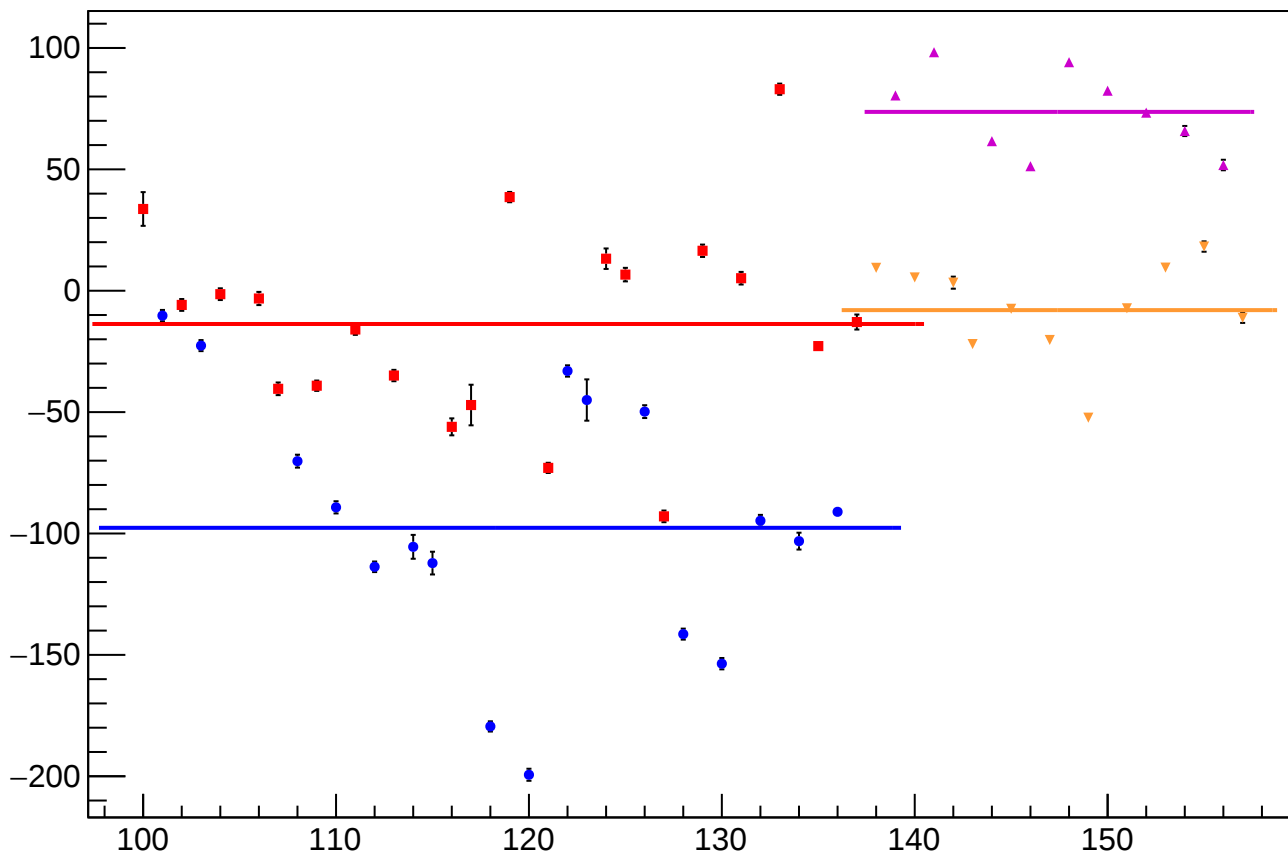
Left In: 1331.453 $\pm$ 0.349 χ^2 /NDF: 81881.3/8

1282.738 $\pm$ 0.236 χ^2 /NDF: 179454.7/27

1276.667 $\pm$ 0.167 χ^2 /NDF: 347077.1/56

1270.550 $\pm$ 0.237 χ^2 /NDF: 166290.3/28

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.657 $\pm$ 0.601 χ^2 /NDF: 7936.6/16

Left Out: -7.987 $\pm$ 0.588 χ^2 /NDF: 1074.9/10

Right Out: -13.698 $\pm$ 0.578 χ^2 /NDF: 5144.2/19

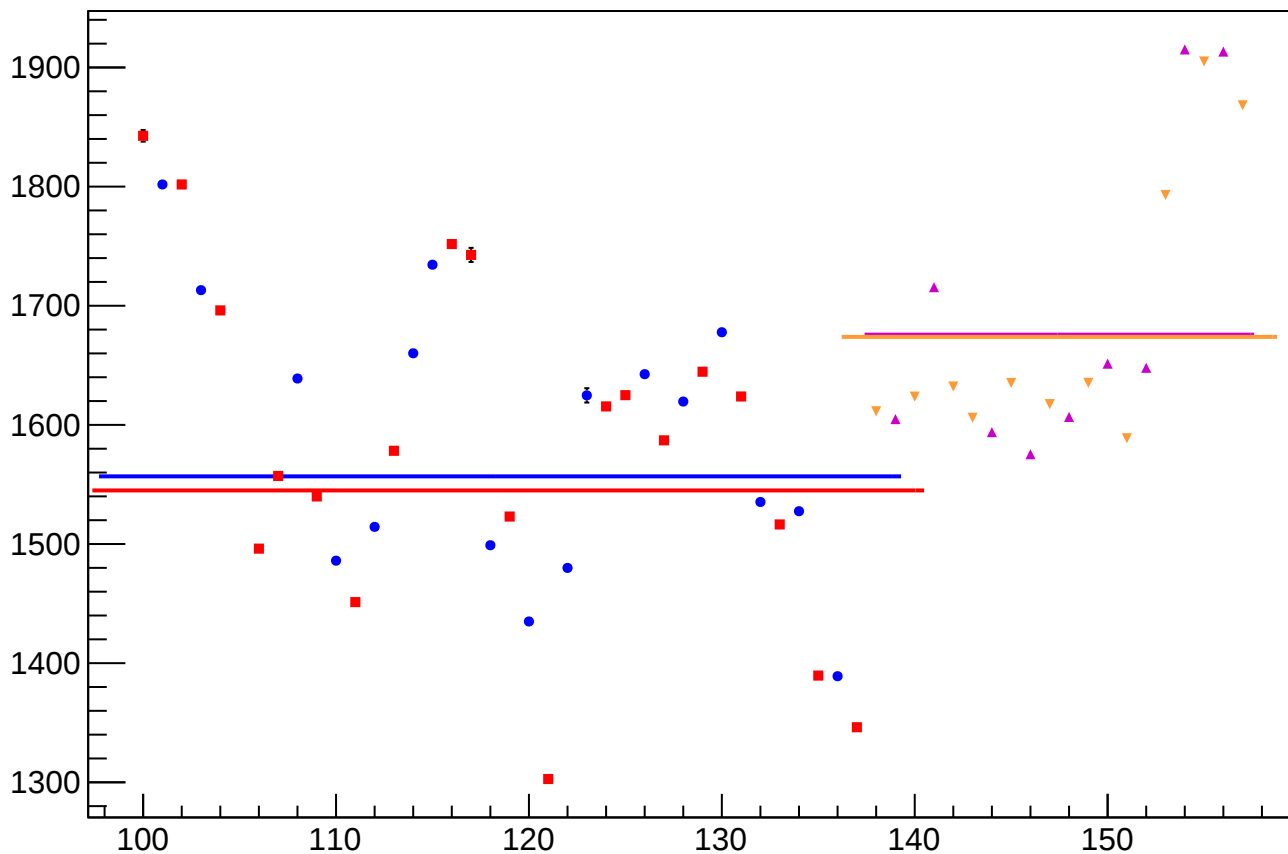
Left In: 73.671 $\pm$ 0.621 χ^2 /NDF: 669.4/8

-51.782 $\pm$ 0.420 χ^2 /NDF: 20388.1/27

-12.750 $\pm$ 0.298 χ^2 /NDF: 54178.1/56

26.834 $\pm$ 0.423 χ^2 /NDF: 16414.0/28

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1556.799 +/- 0.425 χ^2/NDF : 81549.2/16

Left Out: 1673.877 +/- 0.415 χ^2/NDF : 62217.1/10

Right Out: 1544.983 +/- 0.409 χ^2/NDF : 101624.6/19

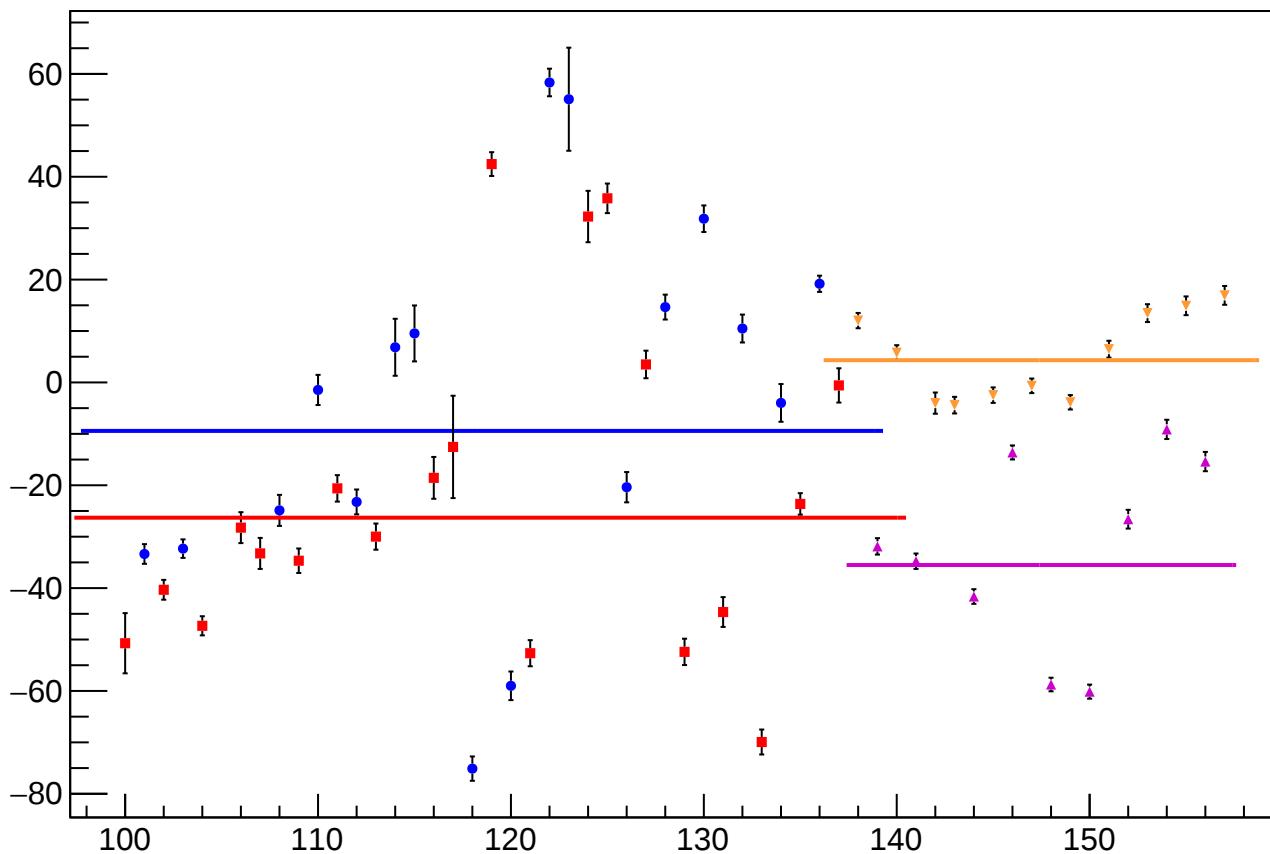
Left In: 1675.746 +/- 0.439 χ^2/NDF : 68931.6/8

1616.696 +/- 0.297 χ^2/NDF : 182554.4/27

1611.210 +/- 0.211 χ^2/NDF : 401287.4/56

1605.646 +/- 0.299 χ^2/NDF : 218046.5/28

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -9.427 $\pm$ 0.626 χ^2/NDF : 2924.1/16

Left Out: 4.325 $\pm$ 0.483 χ^2/NDF : 251.0/10

Right Out: -26.304 $\pm$ 0.602 χ^2/NDF : 2474.0/19

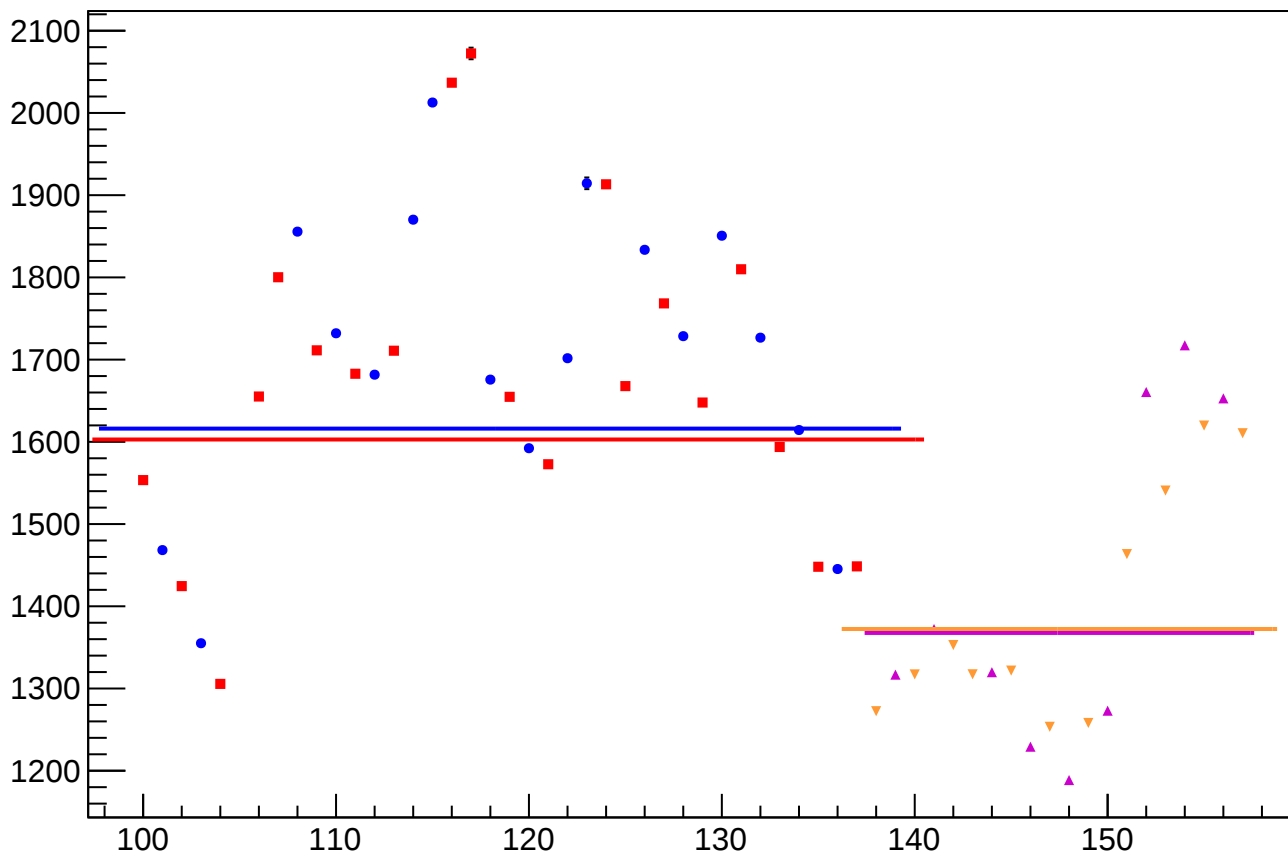
Left In: -35.510 $\pm$ 0.510 χ^2/NDF : 1251.7/8

-0.806 $\pm$ 0.383 χ^2/NDF : 3477.2/27

-15.975 $\pm$ 0.273 χ^2/NDF : 10535.2/56

-31.660 $\pm$ 0.389 χ^2/NDF : 3861.9/28

diff_bpm0i02aY_rms vs Slug, Sign Corrected



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

Left Out: 1372.381 $\pm$ 0.342 χ^2 /NDF: 139811.5/10

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

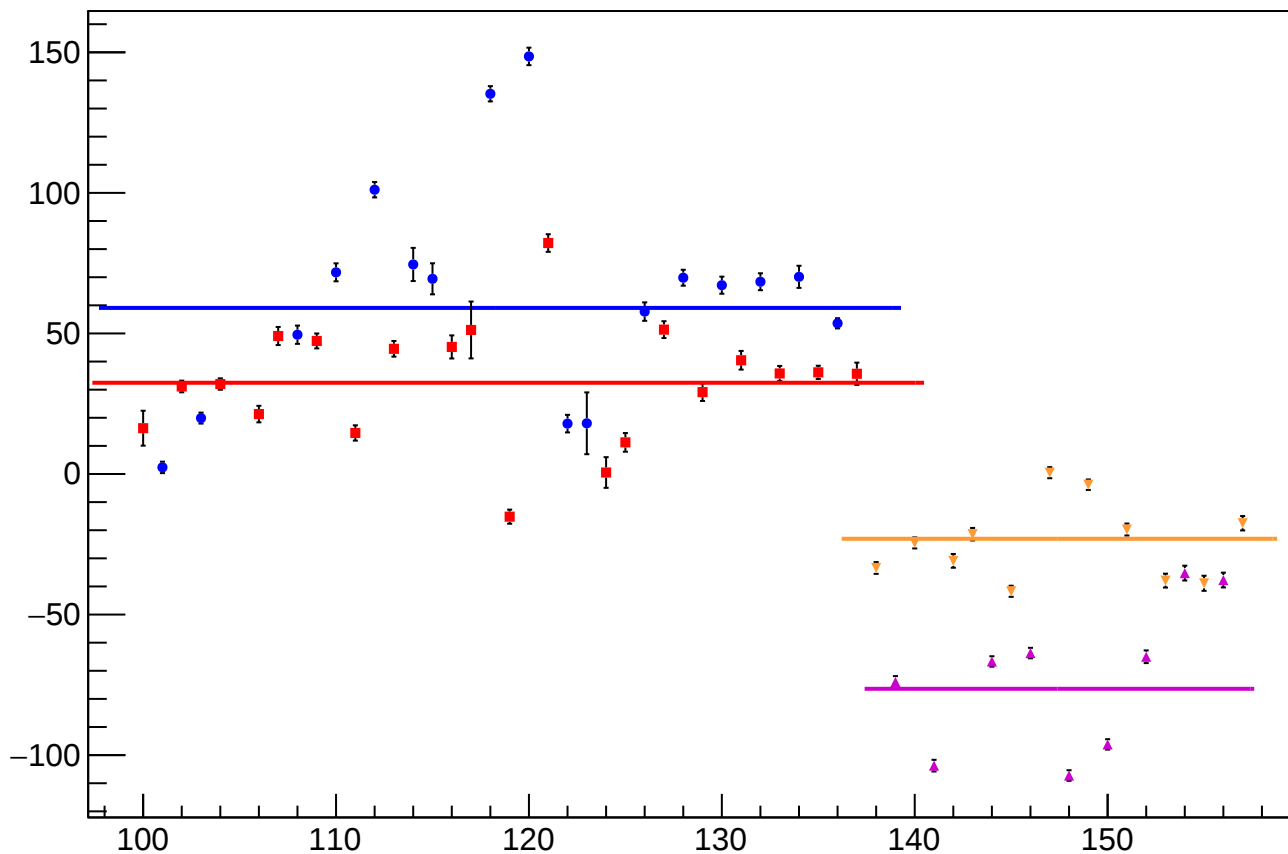
Left In: 1367.584 $\pm$ 0.361 χ^2 /NDF: 238561.7/8

1463.318 $\pm$ 0.271 χ^2 /NDF: 479158.5/27

1464.629 $\pm$ 0.193 χ^2 /NDF: 1053785.6/56

1465.985 $\pm$ 0.275 χ^2 /NDF: 574579.4/28

diff_bpm0i05X_mean vs Slug, Sign Corrected



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

Left Out: -23.039+/-0.656 χ^2/NDF : 451.5/10

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

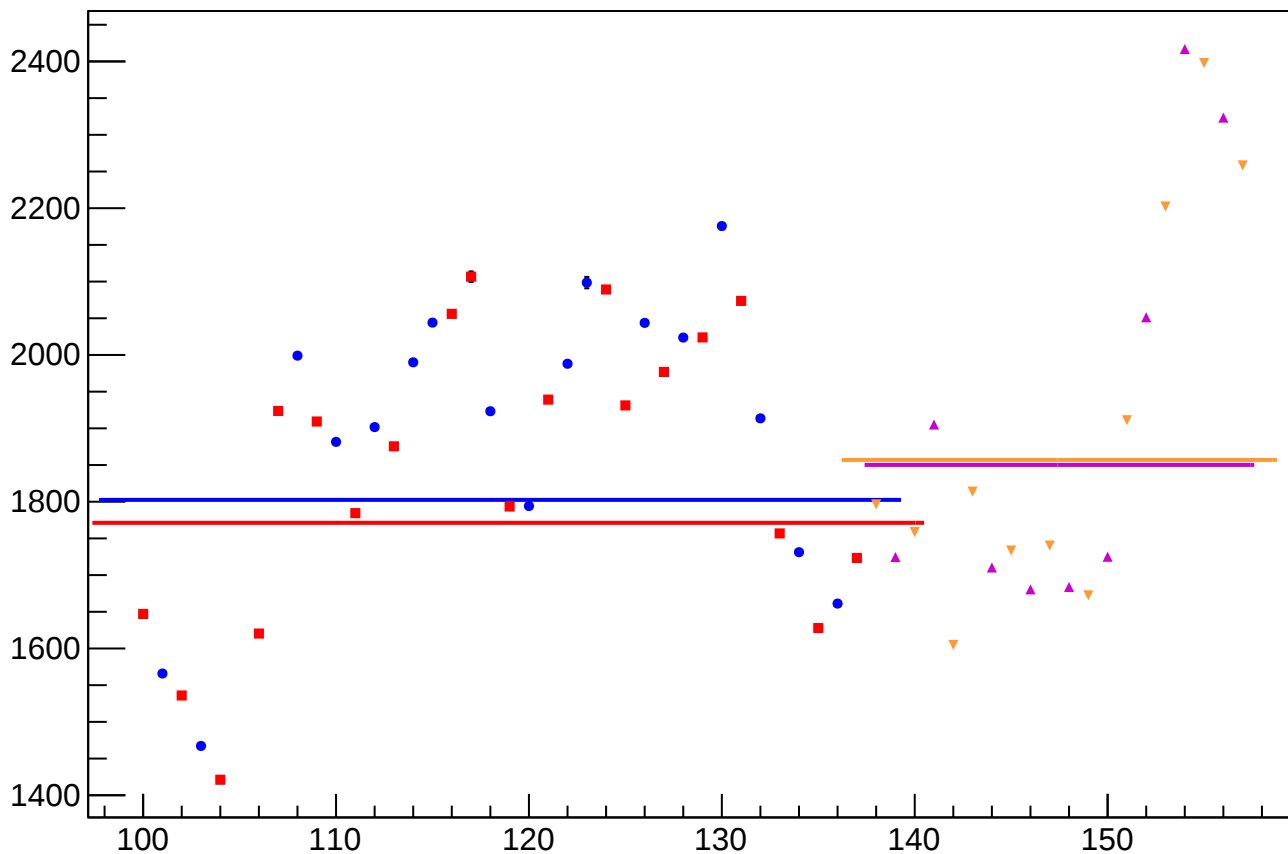
Left In: -76.405+/-0.690 χ^2/NDF : 1116.9/8

15.380+/-0.478 χ^2/NDF : 11080.4/27

-2.256+/-0.338 χ^2/NDF : 28711.1/56

-19.934+/-0.479 χ^2/NDF : 14909.6/28

diff_bpm0i05X_rms vs Slug, Sign Corrected



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

Left Out: 1856.973 ± 0.464 $\chi^2/\text{NDF}: 233334.9/10$

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

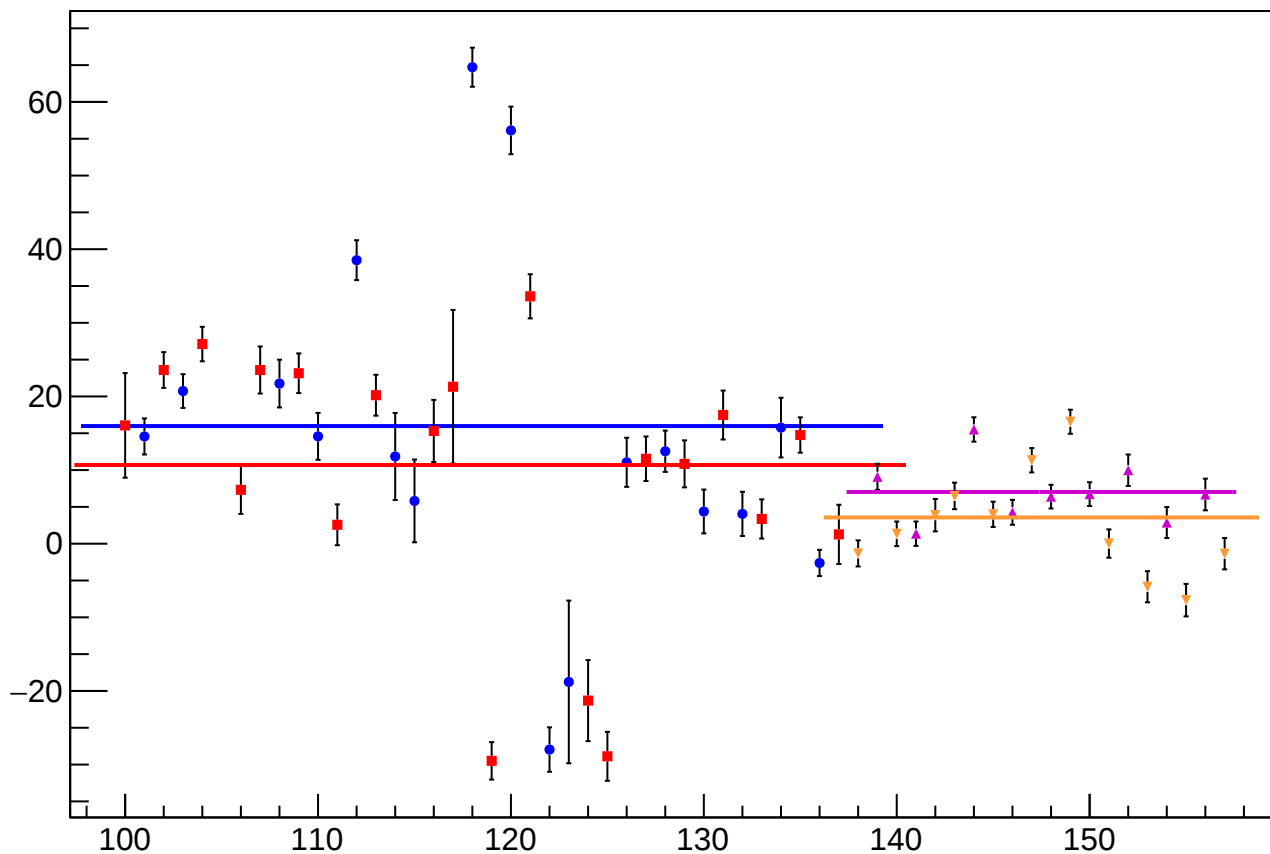
Left In: 1850.173 ± 0.488 $\chi^2/\text{NDF}: 234383.2/8$

1831.499 ± 0.338 $\chi^2/\text{NDF}: 423853.5/27$

1820.374 ± 0.239 $\chi^2/\text{NDF}: 854067.6/56$

1809.223 ± 0.339 $\chi^2/\text{NDF}: 428048.6/28$

diff_bpm0i05Y_mean vs Slug, Sign Corrected



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

Left Out: 3.566 $\pm$ 0.560 χ^2/NDF : 151.8/10

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

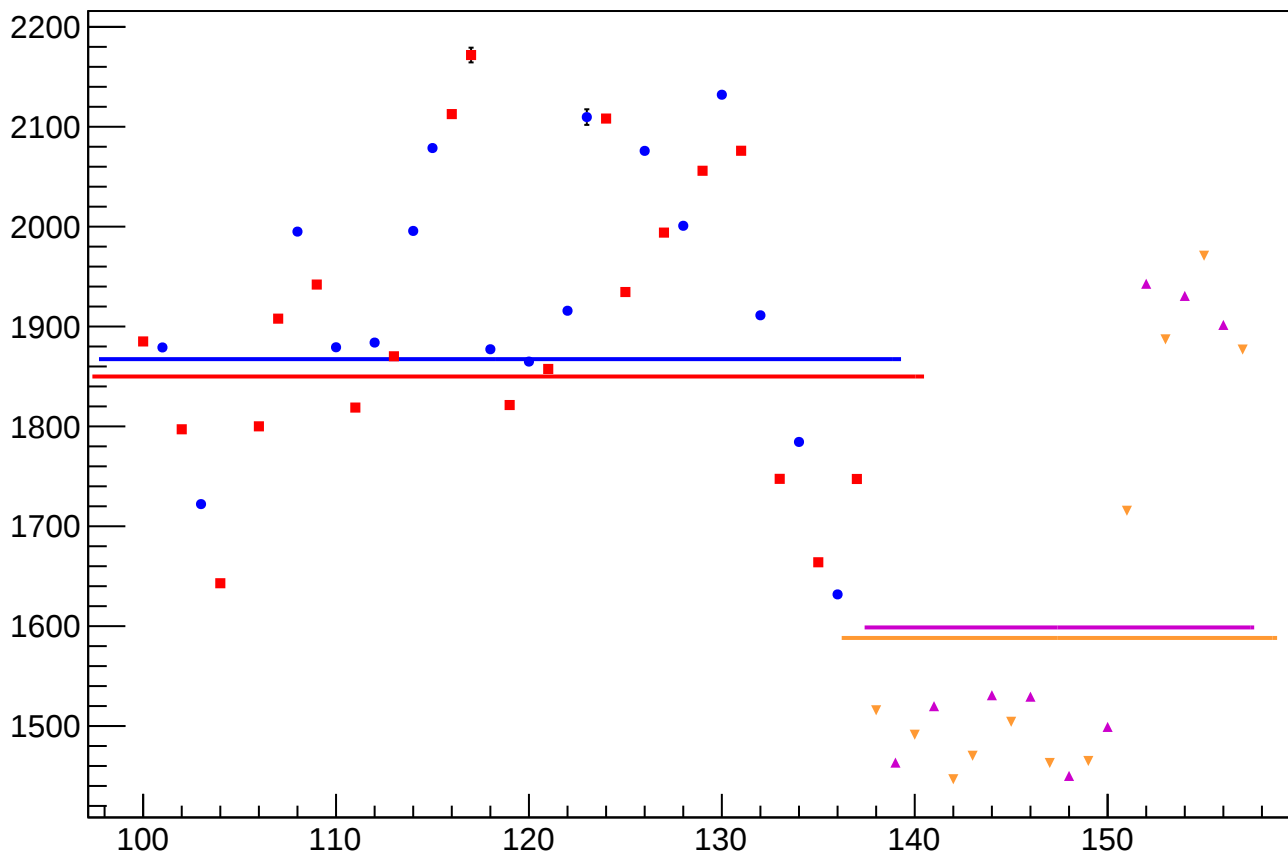
Left In: 7.027 $\pm$ 0.595 χ^2/NDF : 48.0/8

8.229 $\pm$ 0.442 χ^2/NDF : 1274.8/27

8.402 $\pm$ 0.316 χ^2/NDF : 1982.4/56

8.582 $\pm$ 0.451 χ^2/NDF : 707.3/28

diff_bpm0i05Y_rms vs Slug, Sign Corrected



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

Left Out: 1588.181 $\pm$ 0.396 χ^2/NDF : 200210.6/10

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

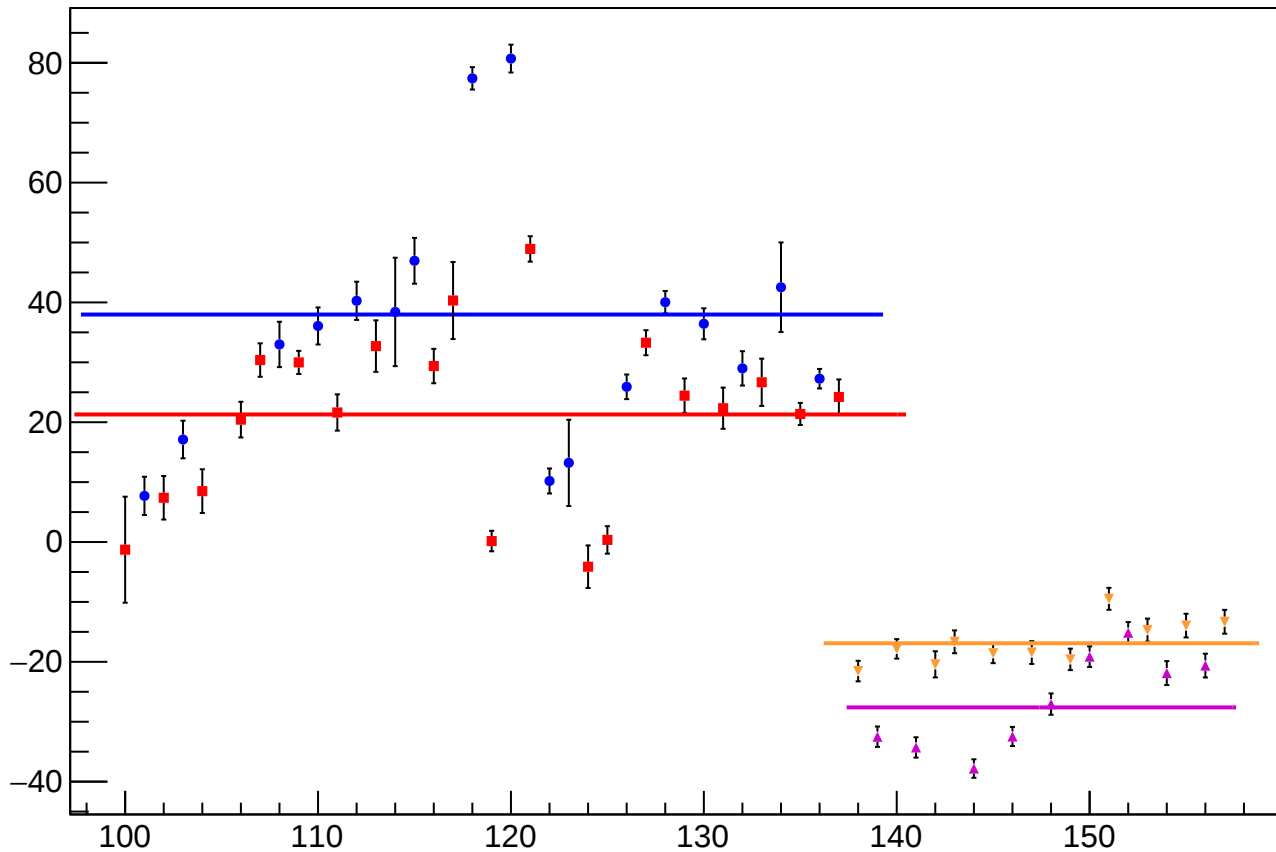
Left In: 1598.701 $\pm$ 0.421 χ^2/NDF : 189047.5/8

1693.076 $\pm$ 0.313 χ^2/NDF : 467980.9/27

1699.161 $\pm$ 0.223 χ^2/NDF : 883922.1/56

1705.486 $\pm$ 0.319 χ^2/NDF : 415169.4/28

diff_bpm0i07X_mean vs Slug, Sign Corrected



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

Left Out: -16.902±/0.556 χ^2/NDF : 37.4/10

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

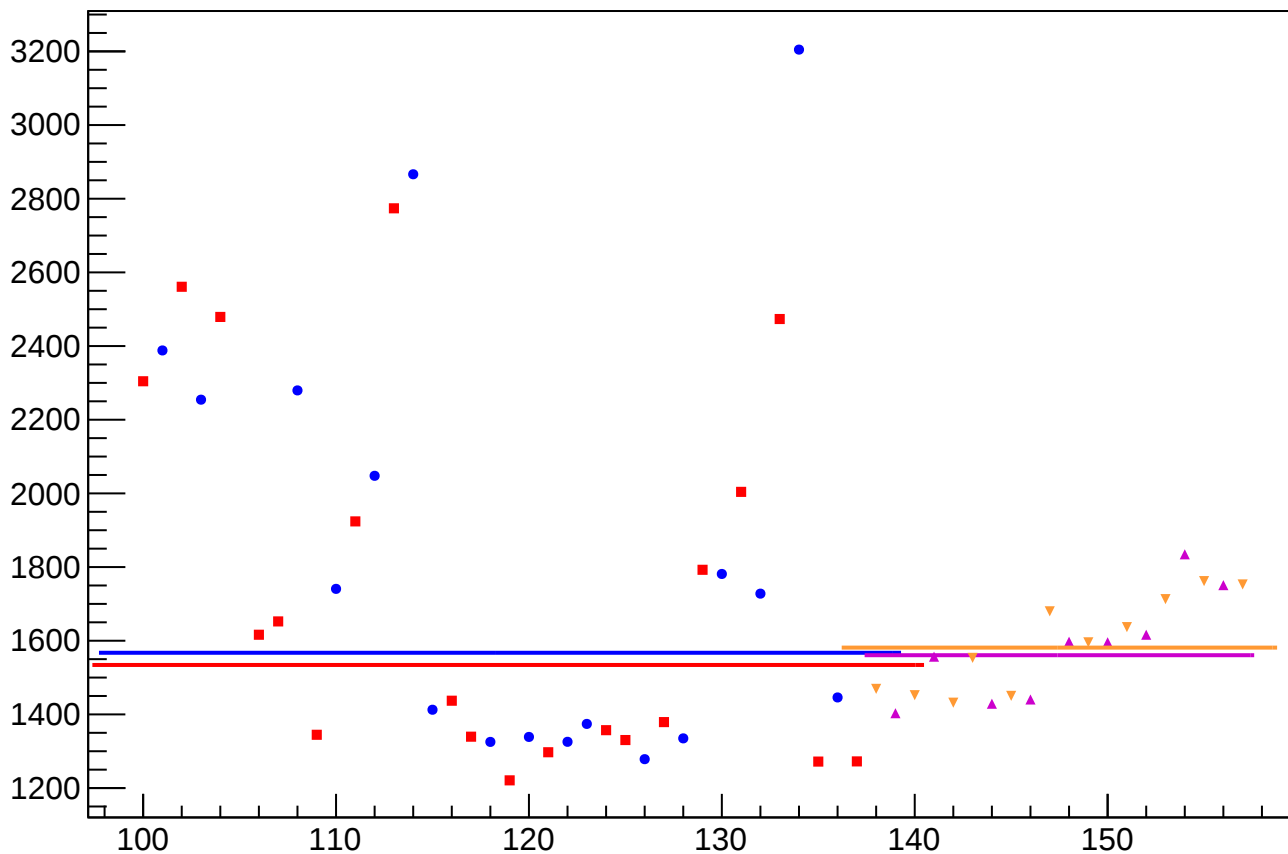
Left In: -27.612±/0.580 χ^2/NDF : 170.6/8

6.817±/0.419 χ^2/NDF : 5451.6/27

1.295±/0.296 χ^2/NDF : 9954.2/56

-4.223±/0.419 χ^2/NDF : 4155.3/28

diff_bpm0i07X_rms vs Slug, Sign Corrected



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

Left Out: 1581.345 $\pm$ 0.393 χ^2/NDF : 91772.2/10

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

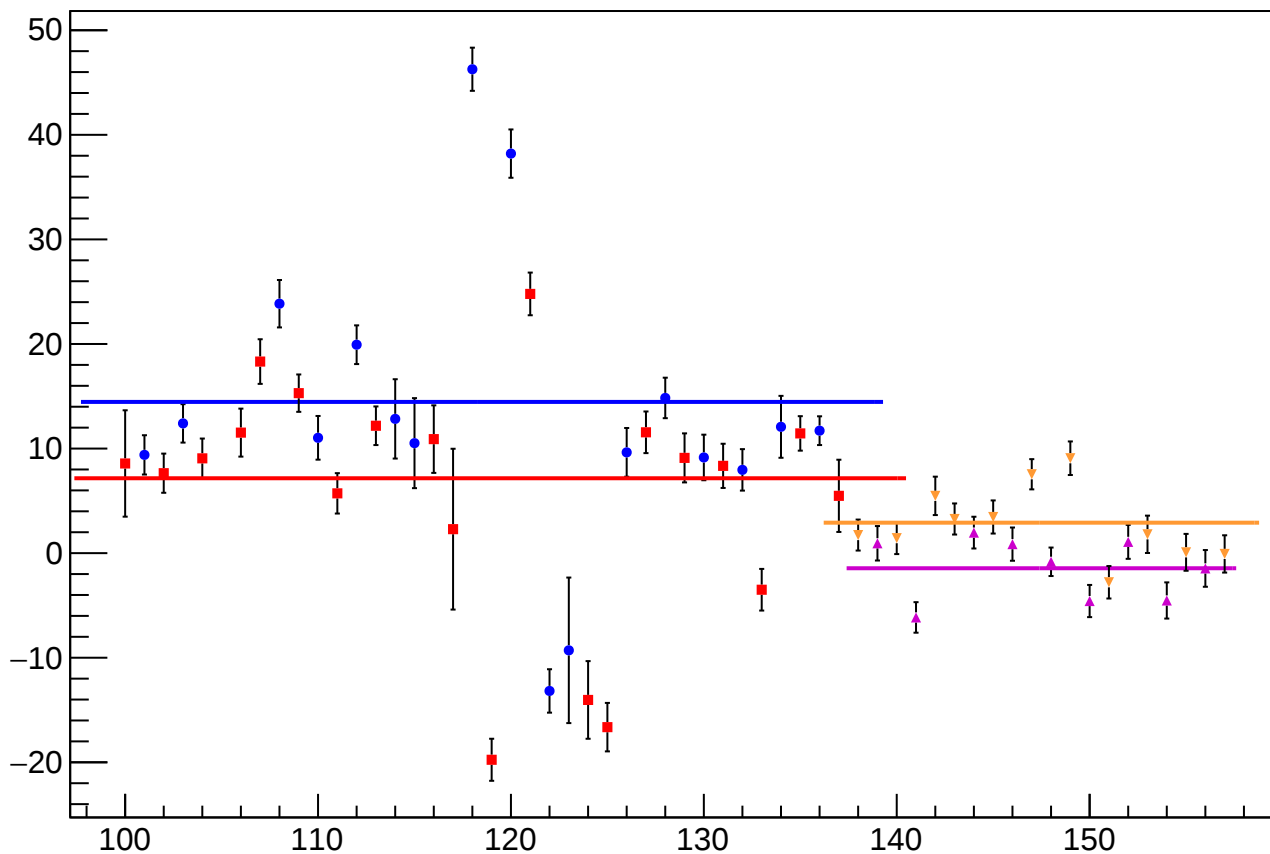
Left In: 1560.708 $\pm$ 0.410 χ^2/NDF : 102575.7/8

1575.287 $\pm$ 0.296 χ^2/NDF : 765772.0/27

1561.659 $\pm$ 0.209 χ^2/NDF : 1758520.0/56

1548.043 $\pm$ 0.296 χ^2/NDF : 988518.5/28

diff_bpm0i07Y_mean vs Slug, Sign Corrected



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

Left Out: 2.913 ± 0.484 χ^2/NDF : 48.0/10

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

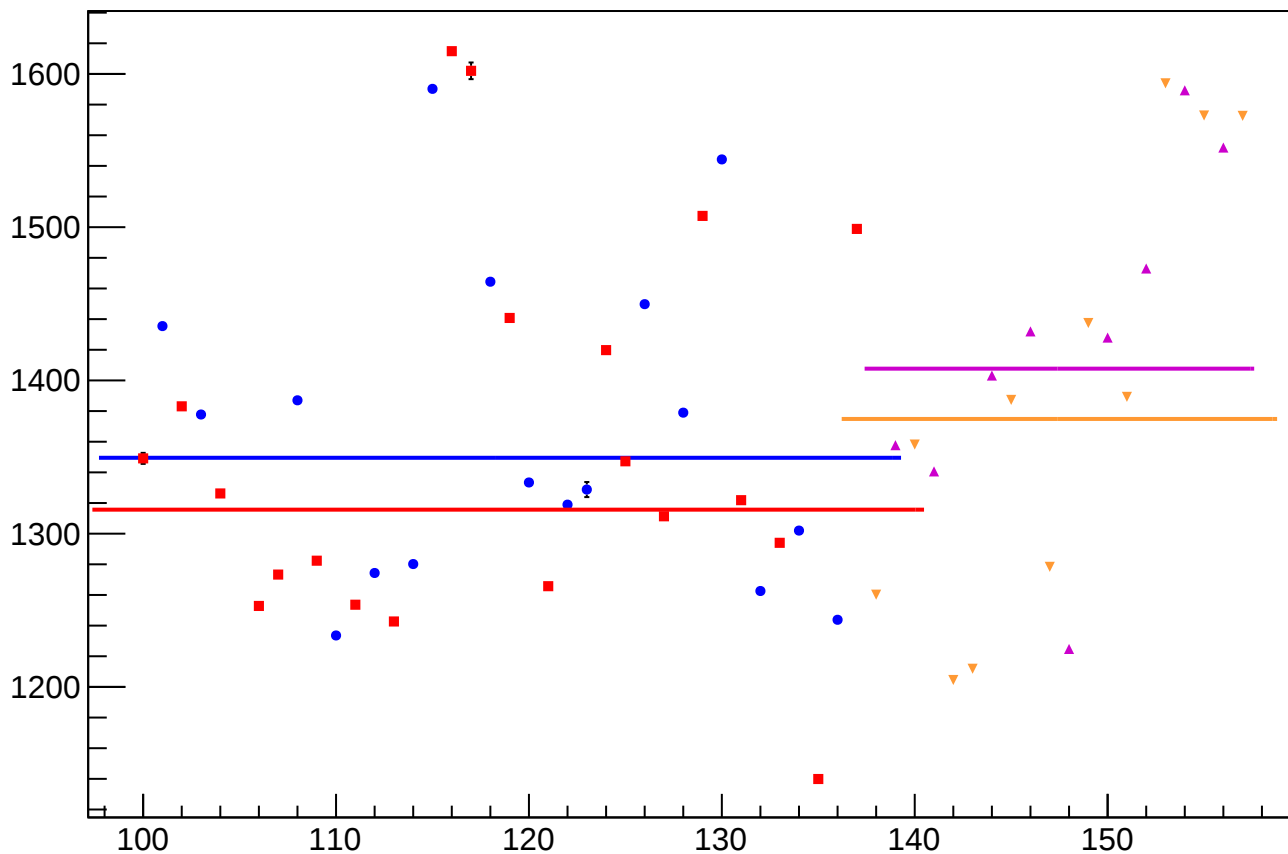
Left In: -1.445 ± 0.522 χ^2/NDF : 29.6/8

8.240 ± 0.355 χ^2/NDF : 906.3/27

5.694 ± 0.252 χ^2/NDF : 1679.0/56

3.102 ± 0.359 χ^2/NDF : 669.1/28

diff_bpm0i07Y_rms vs Slug, Sign Corrected



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

Left Out: 1374.858 ± 0.342 χ^2/NDF : 145674.4/10

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

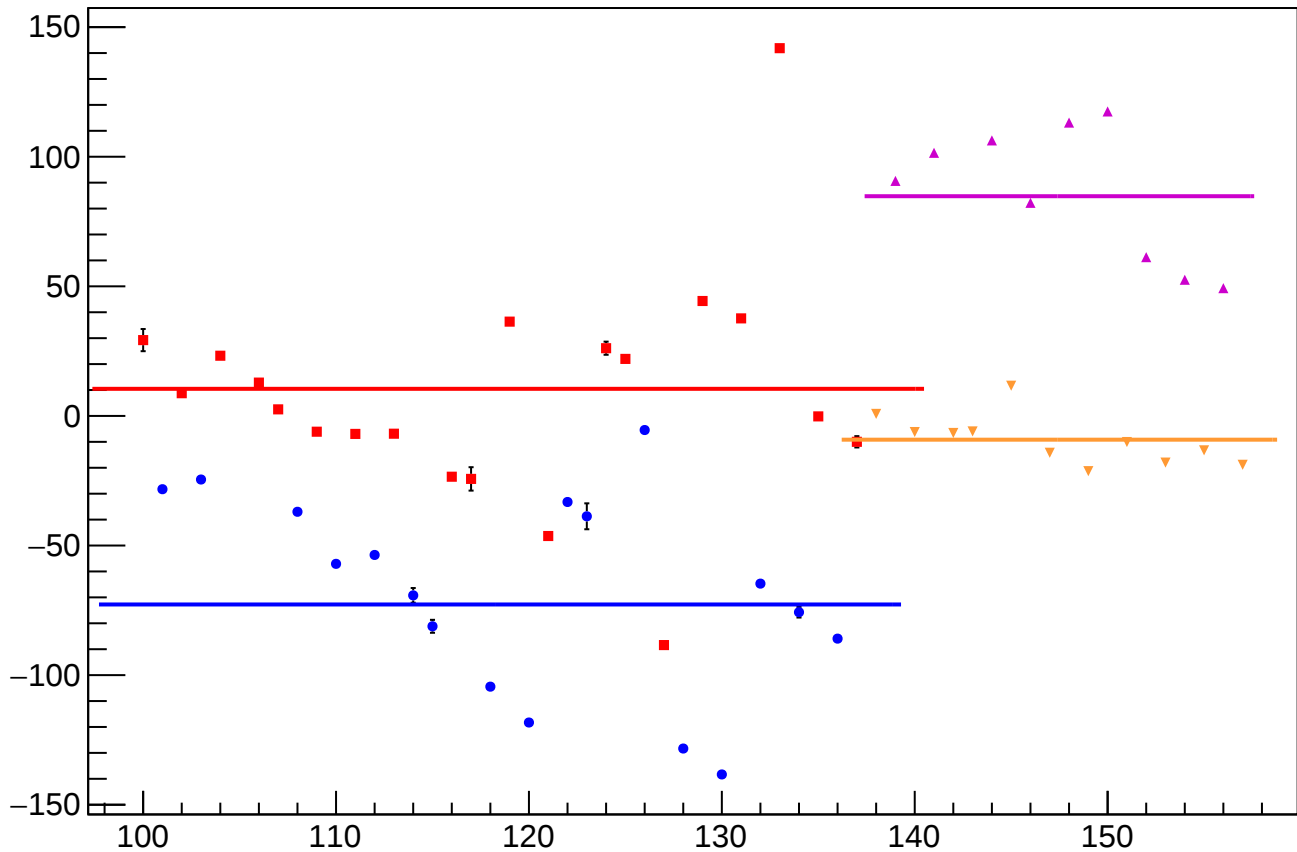
Left In: 1407.680 ± 0.369 χ^2/NDF : 81770.1/8

1363.171 ± 0.251 χ^2/NDF : 212868.6/27

1361.136 ± 0.178 χ^2/NDF : 411319.9/56

1359.064 ± 0.254 χ^2/NDF : 198319.0/28

diff_bpm1i02X_mean vs Slug, Sign Corrected



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

Left Out: -9.163+/-0.329 χ^2/NDF : 784.5/10

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

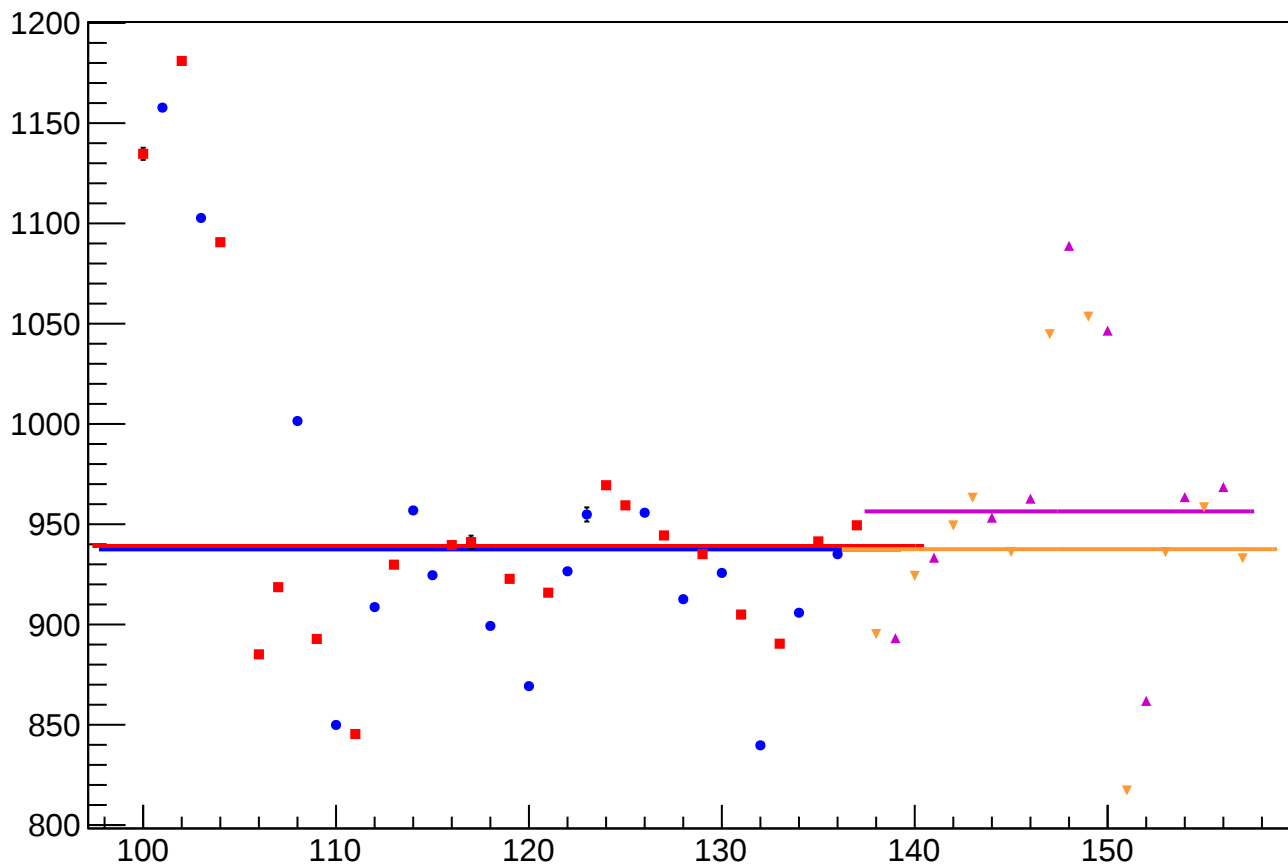
Left In: 84.768+/-0.354 χ^2/NDF : 4737.2/8

-37.918+/-0.244 χ^2/NDF : 29336.9/27

3.681+/-0.174 χ^2/NDF : 134163.2/56

47.282+/-0.249 χ^2/NDF : 45144.6/28

diff_bpm1i02X_rms vs Slug, Sign Corrected



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

Left Out: 937.571+/-0.233 χ^2/NDF : 76272.1/10

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

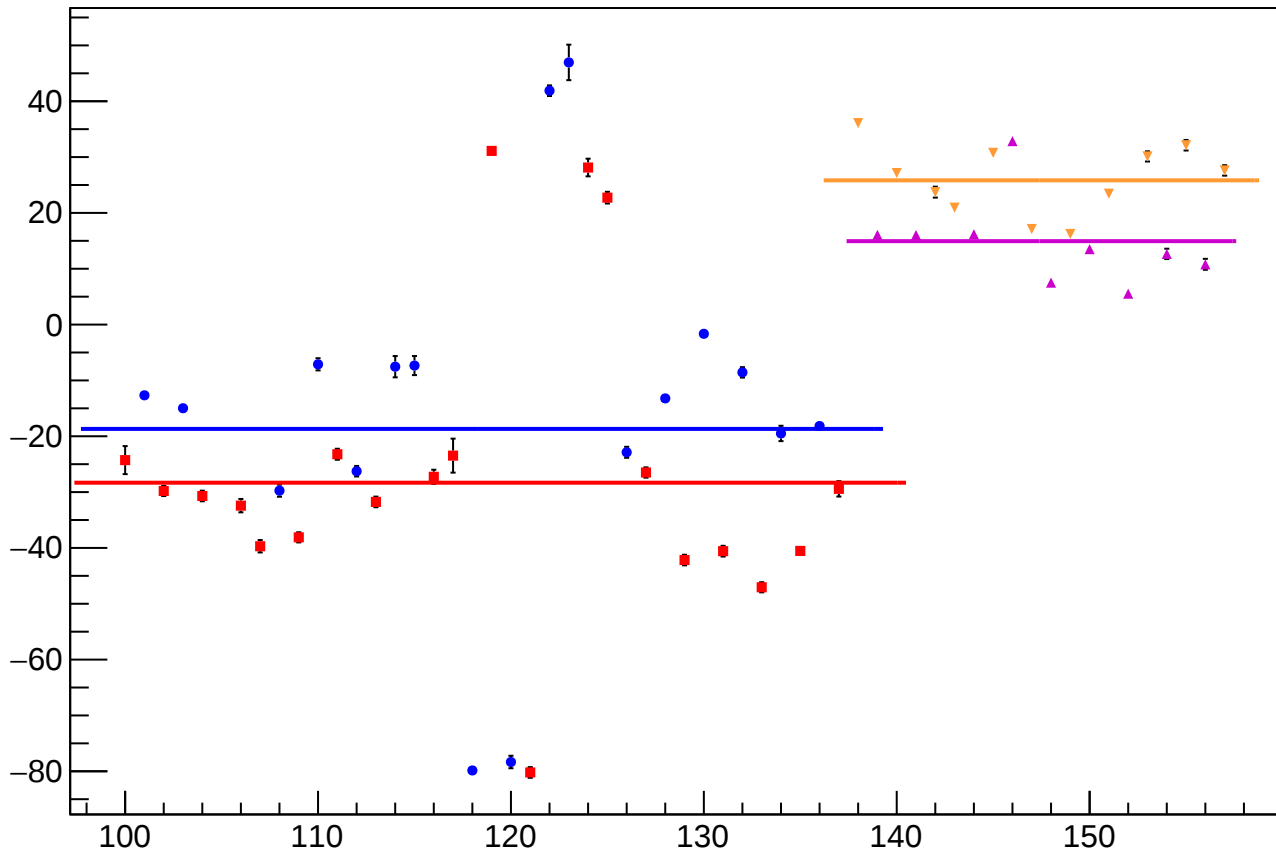
Left In: 956.395+/-0.251 χ^2/NDF : 64849.0/8

937.518+/-0.172 χ^2/NDF : 174579.8/27

942.488+/-0.123 χ^2/NDF : 333774.4/56

947.696+/-0.176 χ^2/NDF : 157491.0/28

diff_bpm1i02Y_mean vs Slug, Sign Corrected



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

Left Out: 25.832 +/- 0.243 χ^2/NDF : 639.5/10

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

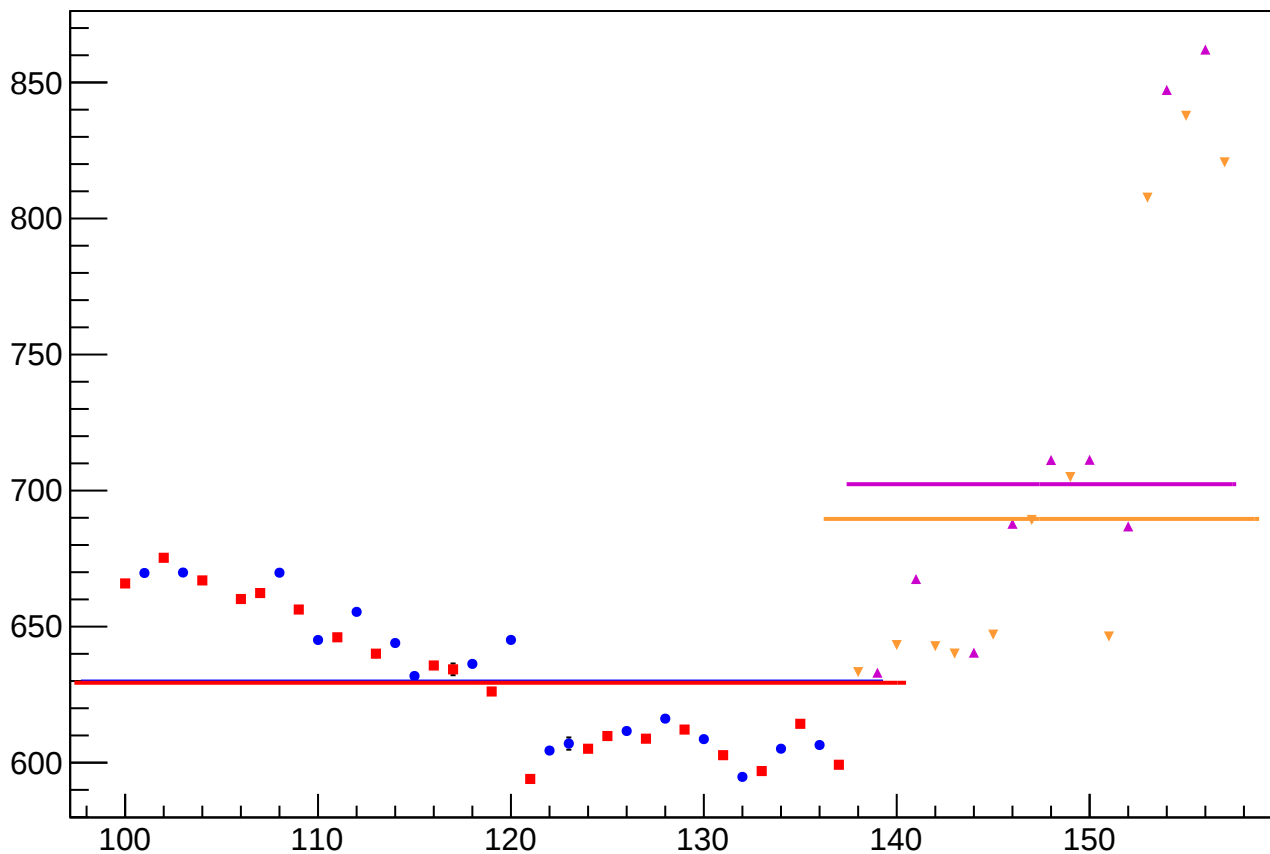
Left In: 14.943 +/- 0.261 χ^2/NDF : 829.8/8

3.539 +/- 0.172 χ^2/NDF : 30444.9/27

-2.621 +/- 0.122 χ^2/NDF : 61574.6/56

-8.989 +/- 0.175 χ^2/NDF : 28512.9/28

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.815 ± 0.172 $\chi^2/\text{NDF}: 23298.3/16$

Left Out: 689.586 ± 0.172 $\chi^2/\text{NDF}: 169263.6/10$

Right Out: 629.370 ± 0.166 $\chi^2/\text{NDF}: 25543.7/19$

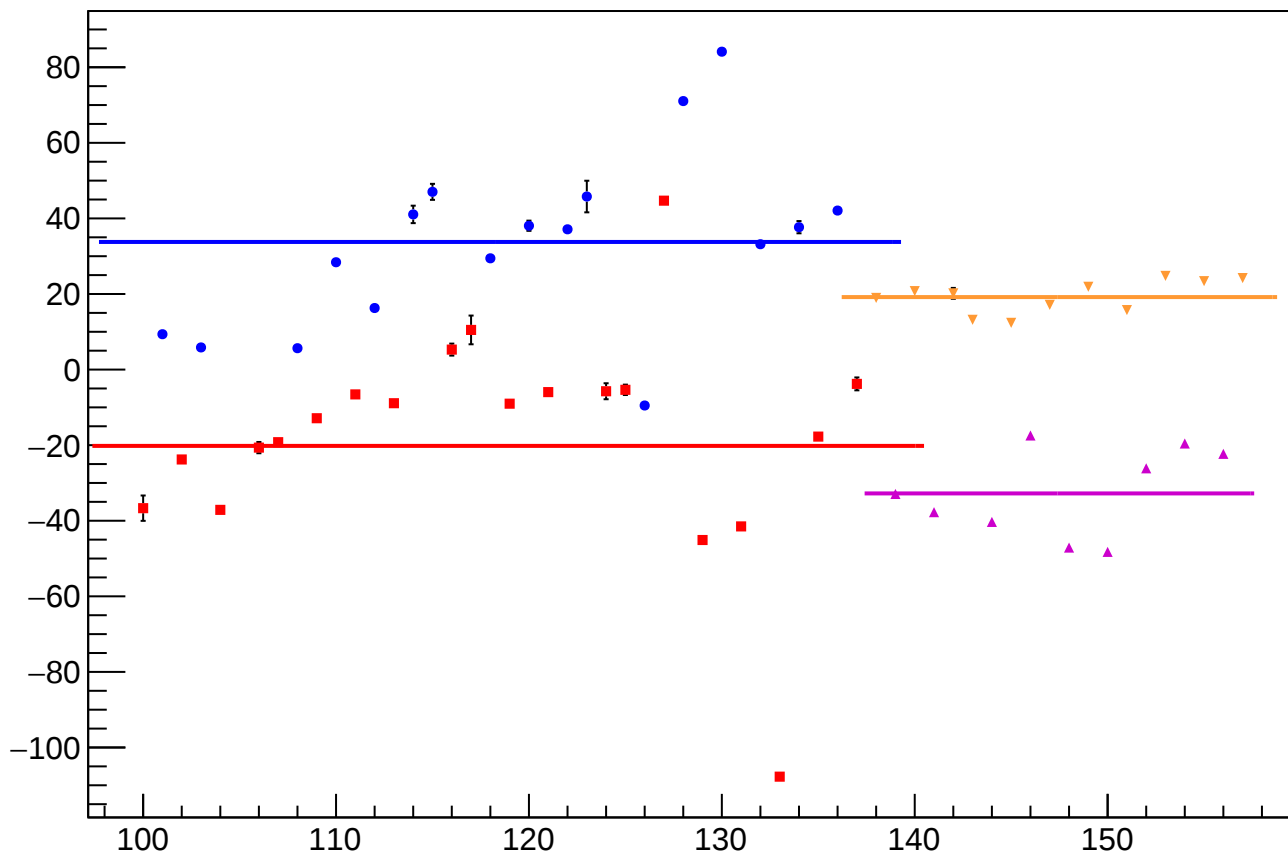
Left In: 702.348 ± 0.185 $\chi^2/\text{NDF}: 141214.3/8$

659.653 ± 0.121 $\chi^2/\text{NDF}: 253137.9/27$

660.795 ± 0.087 $\chi^2/\text{NDF}: 506432.5/56$

661.976 ± 0.123 $\chi^2/\text{NDF}: 253114.7/28$

diff_bpm1i04X_mean vs Slug, Sign Corrected



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

Left Out: 19.184+/-0.355 χ^2/NDF : 131.3/10

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

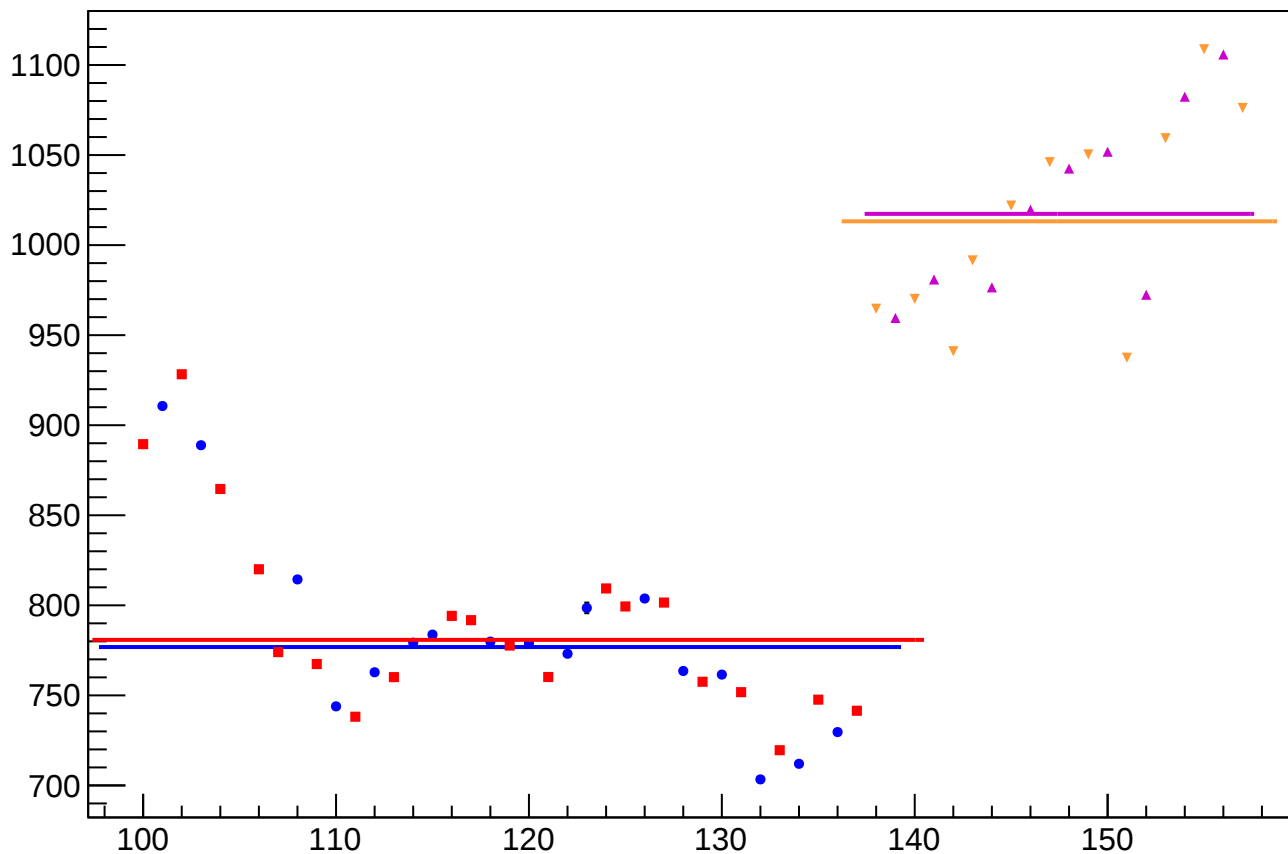
Left In: -32.770+/-0.377 χ^2/NDF : 829.8/8

27.706+/-0.229 χ^2/NDF : 7603.3/27

1.560+/-0.163 χ^2/NDF : 46668.7/56

-24.907+/-0.231 χ^2/NDF : 12880.1/28

diff_bpm1i04X_rms vs Slug, Sign Corrected



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

Left Out: 1013.212 $\pm$ 0.251 χ^2 /NDF: 46813.9/10

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

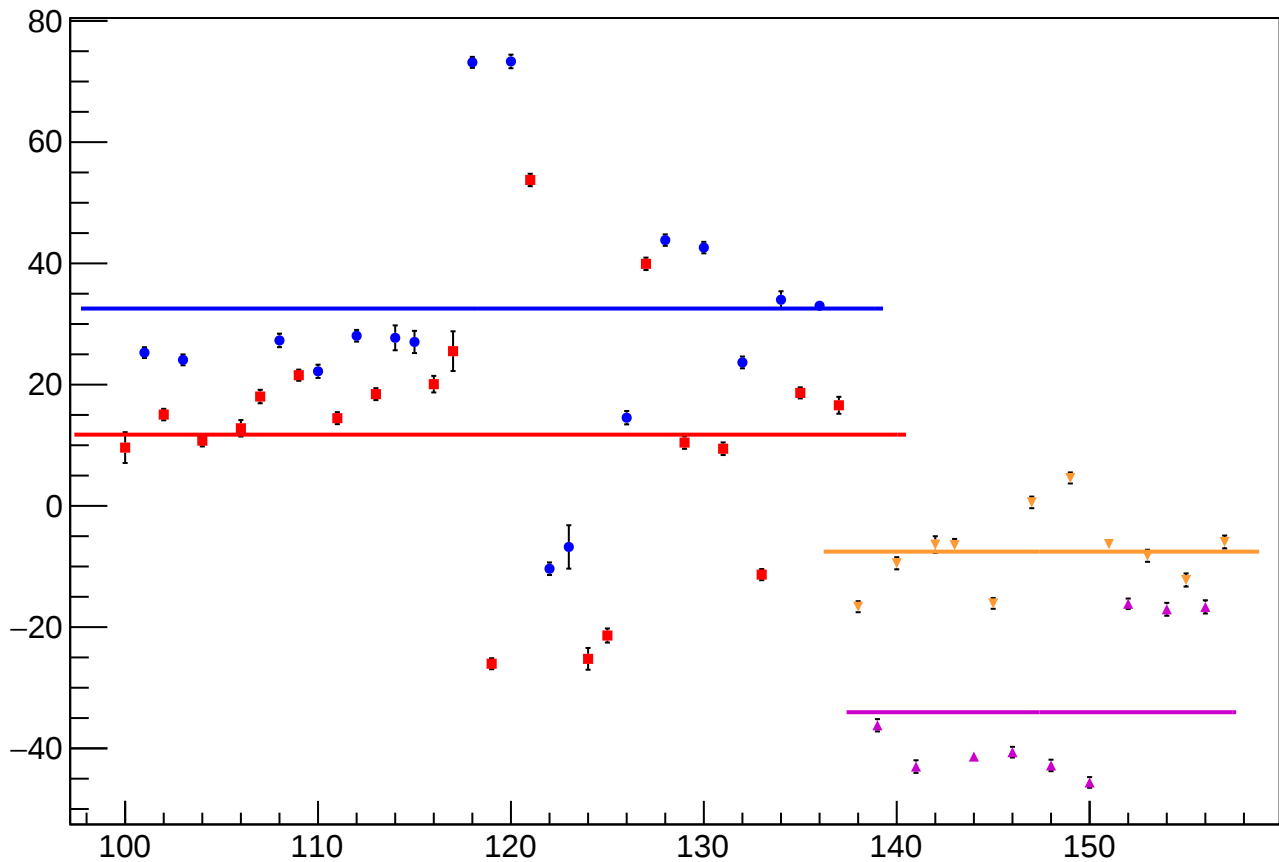
Left In: 1017.347 $\pm$ 0.266 χ^2 /NDF: 32633.6/8

875.142 $\pm$ 0.162 χ^2 /NDF: 631031.5/27

872.329 $\pm$ 0.115 χ^2 /NDF: 1214770.2/56

869.481 $\pm$ 0.163 χ^2 /NDF: 583132.4/28

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.552 $\pm$ 0.253 χ^2 /NDF: 6073.0/16

Left Out: -7.545 $\pm$ 0.295 χ^2 /NDF: 471.6/10

Right Out: 11.752 $\pm$ 0.246 χ^2 /NDF: 6375.4/19

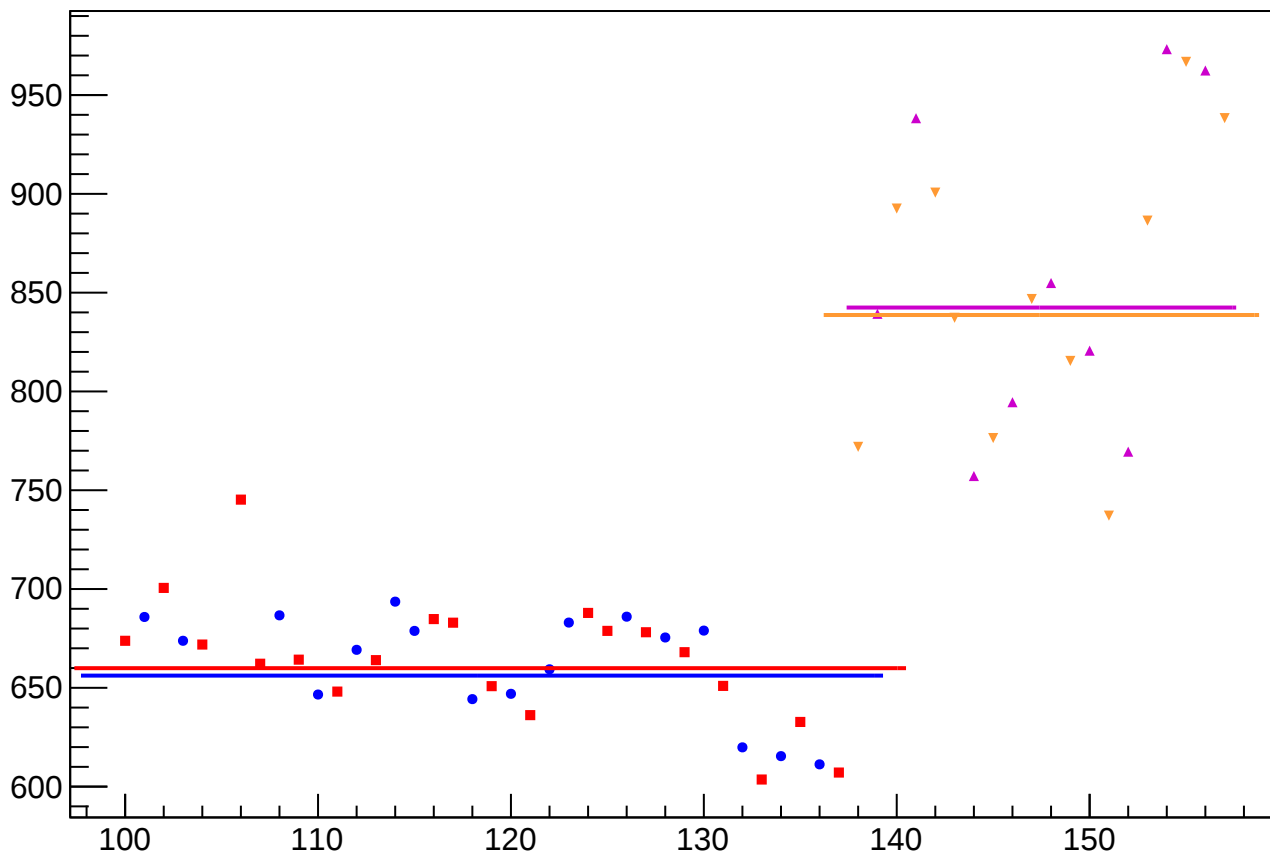
Left In: -34.037 $\pm$ 0.314 χ^2 /NDF: 1418.2/8

15.598 $\pm$ 0.192 χ^2 /NDF: 17177.0/27

5.059 $\pm$ 0.136 χ^2 /NDF: 44196.8/56

-5.672 $\pm$ 0.194 χ^2 /NDF: 20945.8/28

diff_bpm1i04Y_rms vs Slug, Sign Corrected



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

Left Out: 838.687 $\pm$ 0.209 χ^2/NDF : 112213.2/10

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

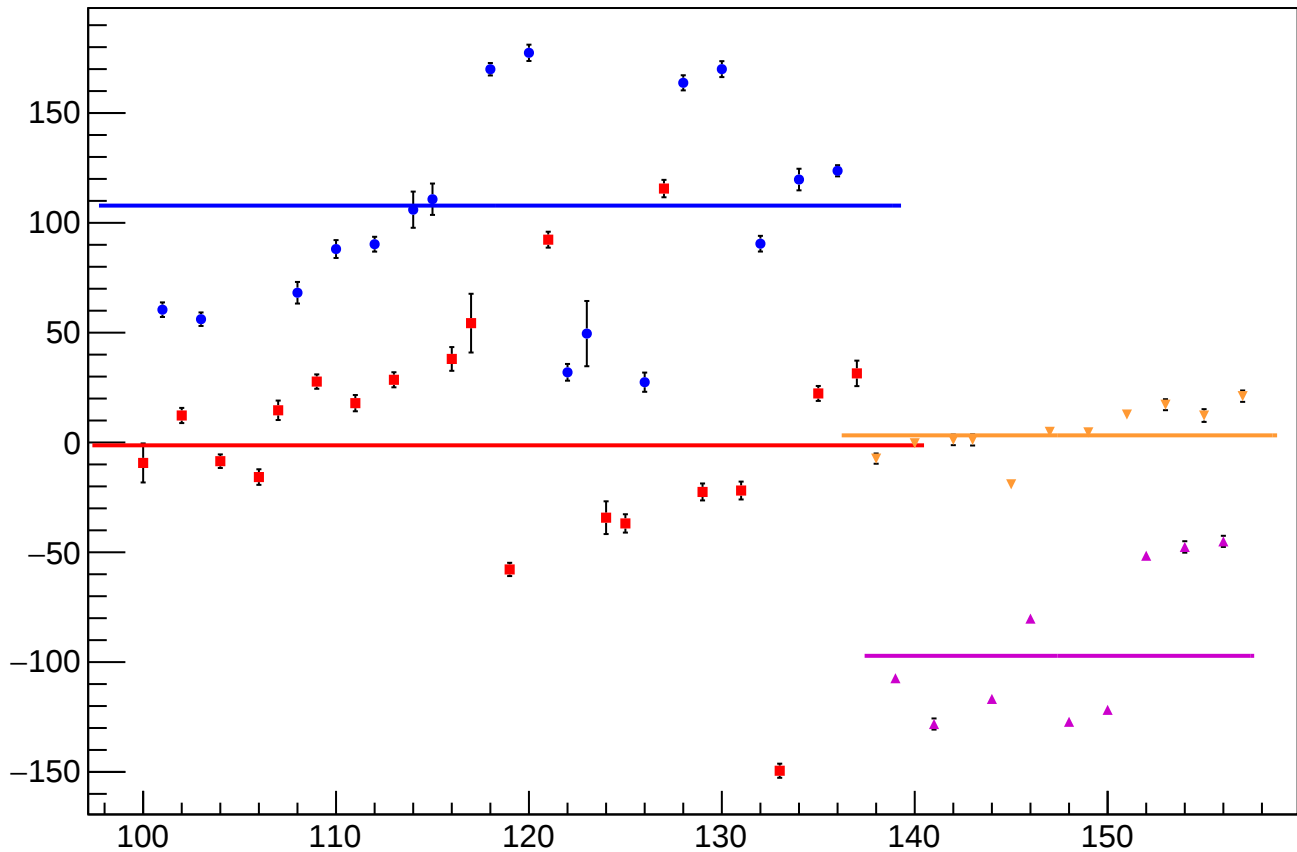
Left In: 842.459 $\pm$ 0.222 χ^2/NDF : 114650.6/8

733.350 $\pm$ 0.136 χ^2/NDF : 576319.0/27

731.391 $\pm$ 0.096 χ^2/NDF : 1137751.4/56

729.396 $\pm$ 0.137 χ^2/NDF : 561012.5/28

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.852 $\pm$ 0.922 χ^2 /NDF: 2809.0/16

Left Out: 3.241 $\pm$ 0.669 χ^2 /NDF: 253.4/10

Right Out: -1.299 $\pm$ 0.881 χ^2 /NDF: 4541.1/19

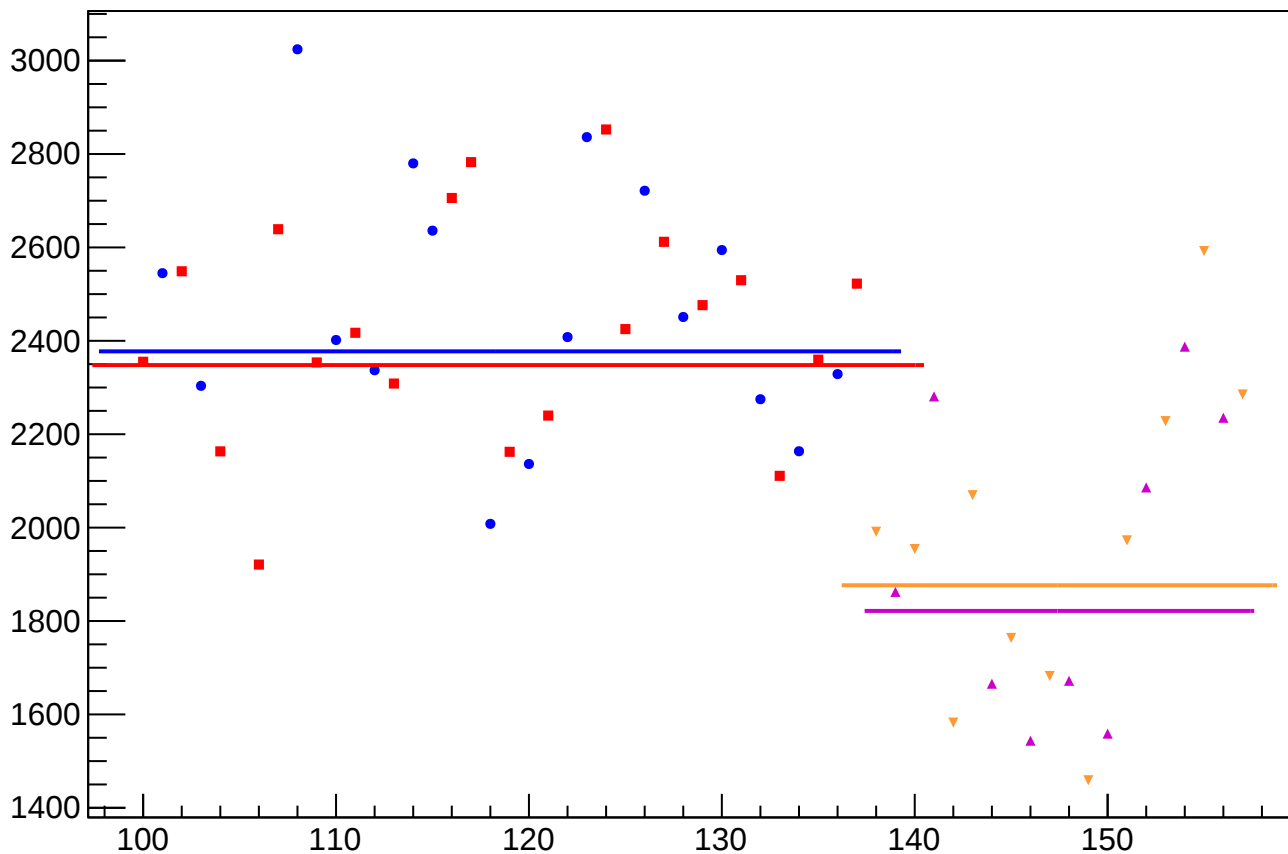
Left In: -97.141 $\pm$ 0.687 χ^2 /NDF: 2027.5/8

39.335 $\pm$ 0.541 χ^2 /NDF: 11502.5/27

-10.738 $\pm$ 0.383 χ^2 /NDF: 42558.1/56

-60.916 $\pm$ 0.542 χ^2 /NDF: 13923.7/28

diff_bpm1i06X_rms vs Slug, Sign Corrected



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

Left Out: 1876.535 +/- 0.473 χ^2/NDF : 420111.3/10

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

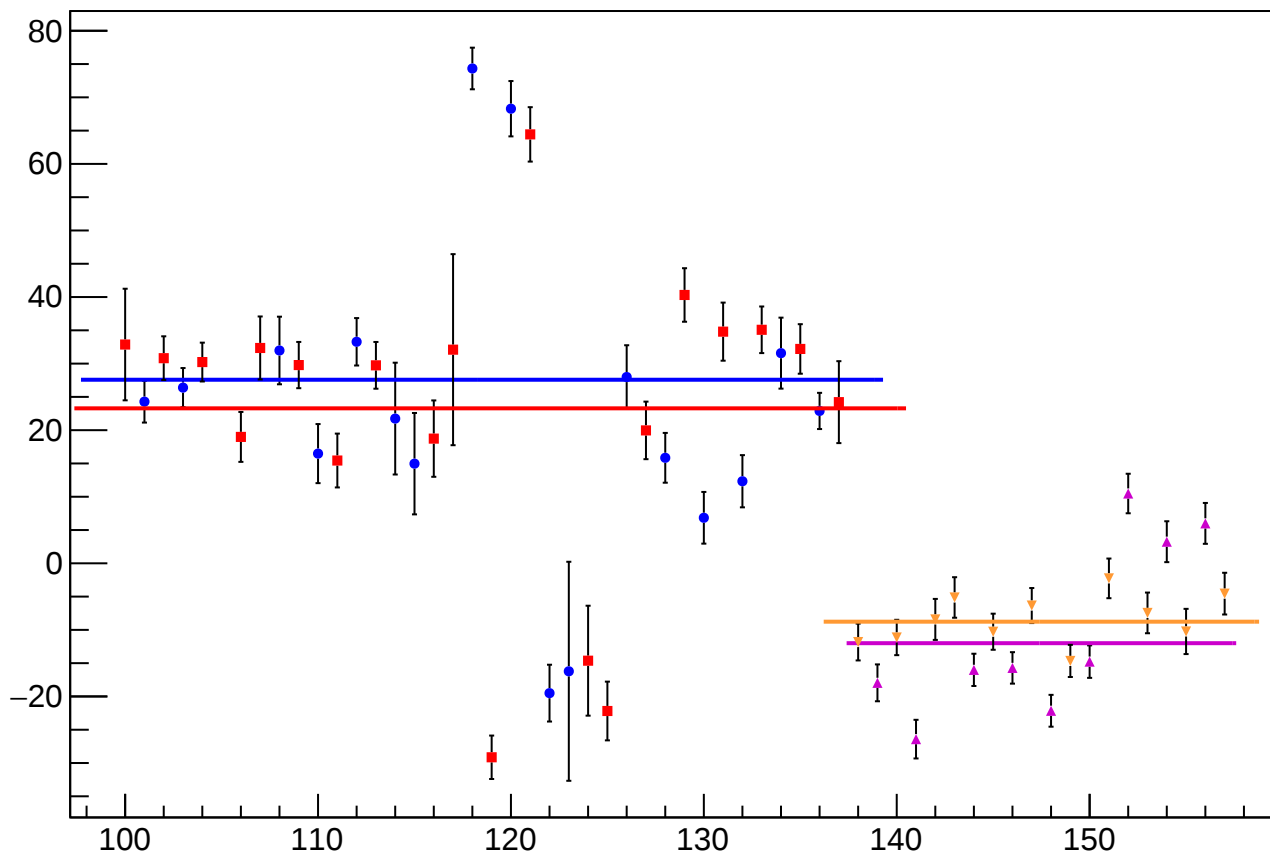
Left In: 1821.627 +/- 0.486 χ^2/NDF : 369246.8/8

2049.358 +/- 0.383 χ^2/NDF : 926756.3/27

2034.987 +/- 0.271 χ^2/NDF : 1852938.4/56

2020.587 +/- 0.383 χ^2/NDF : 923360.1/28

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.577 ± 0.975 $\chi^2/\text{NDF}: 519.6/16$

Left Out: -8.768 ± 0.862 $\chi^2/\text{NDF}: 17.5/10$

Right Out: 23.280 ± 0.925 $\chi^2/\text{NDF}: 558.2/19$

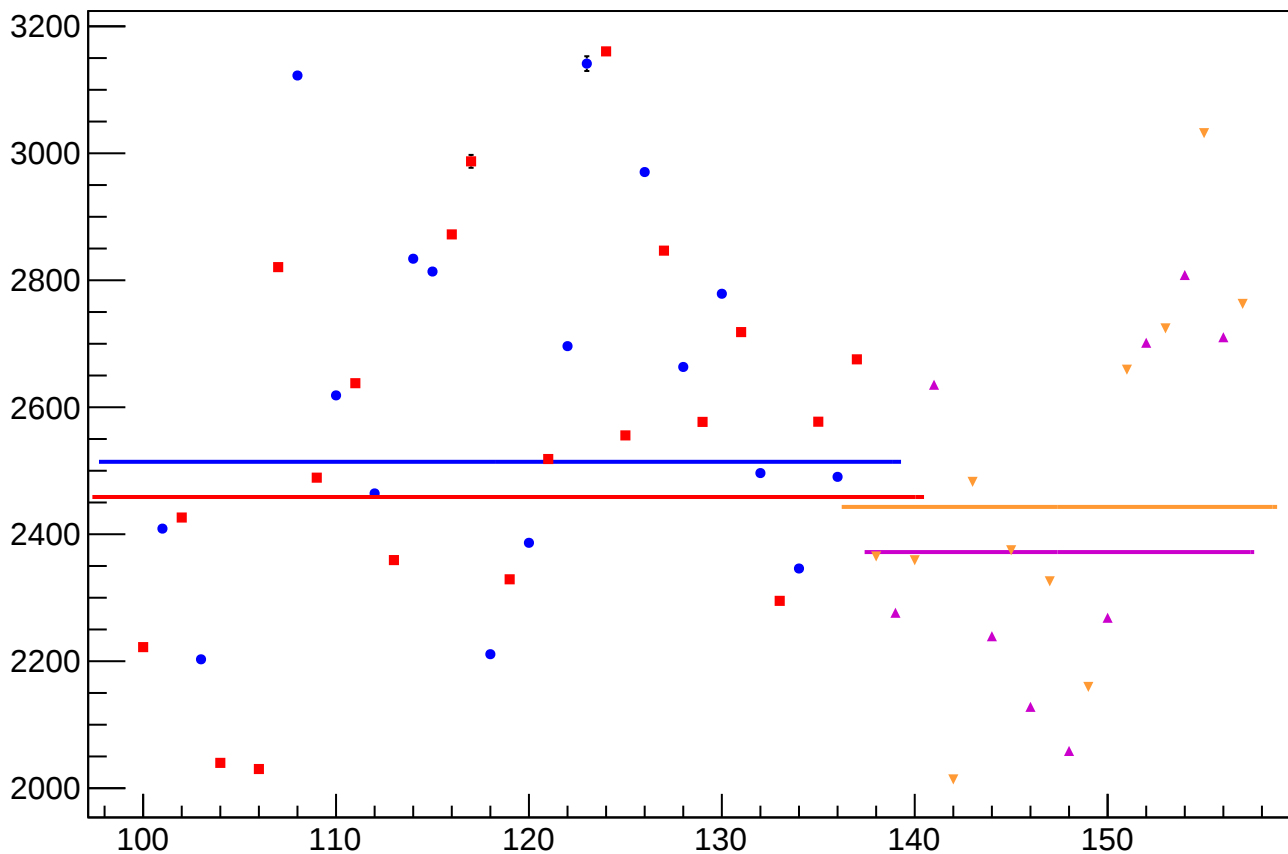
Left In: -11.999 ± 0.888 $\chi^2/\text{NDF}: 170.1/8$

7.177 ± 0.646 $\chi^2/\text{NDF}: 1317.4/27$

6.045 ± 0.455 $\chi^2/\text{NDF}: 2808.4/56$

4.929 ± 0.641 $\chi^2/\text{NDF}: 1484.9/28$

diff_bpm1i06Y_rms vs Slug, Sign Corrected



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

Left Out: 2443.040+/-0.609 χ^2/NDF : 183988.9/10

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

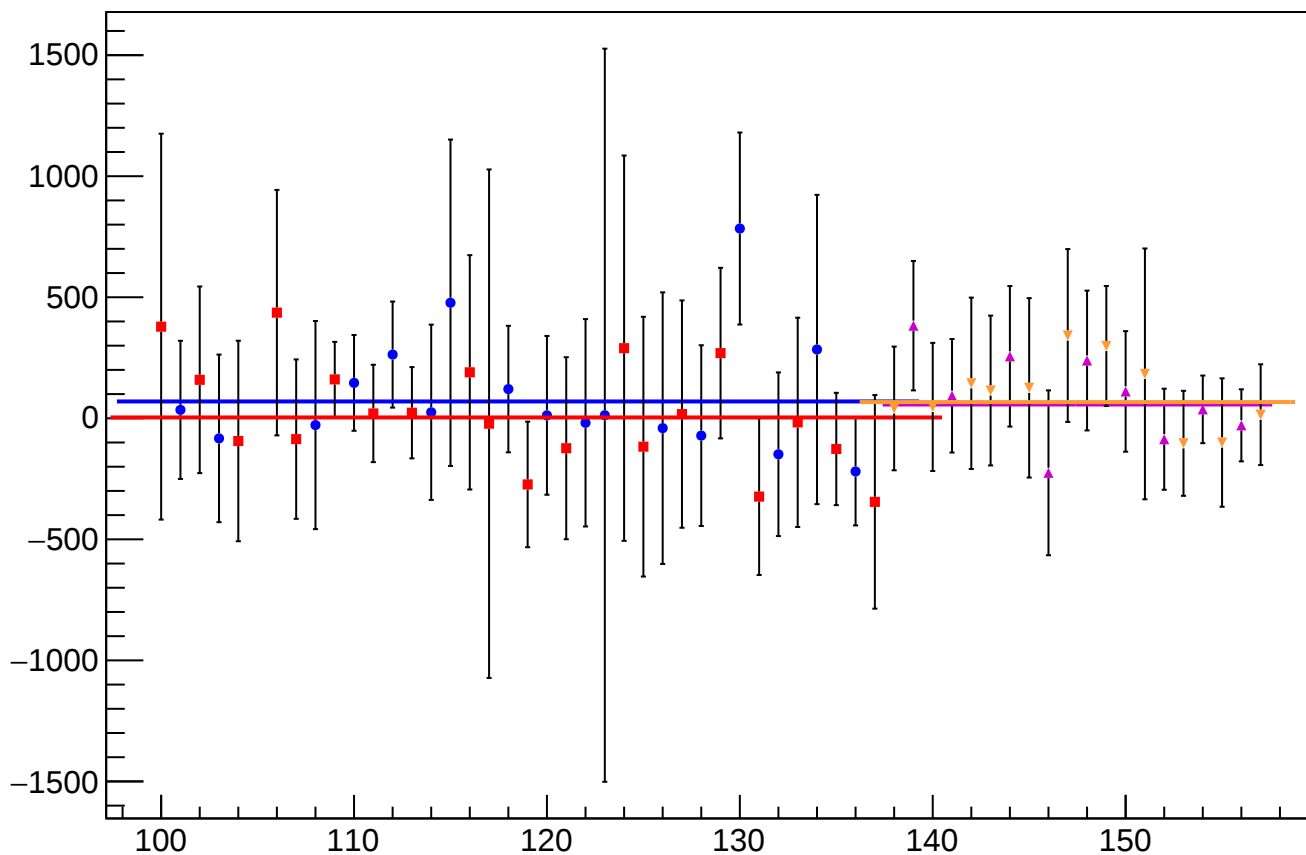
Left In: 2371.918+/-0.628 χ^2/NDF : 173364.5/8

2474.210+/-0.457 χ^2/NDF : 310913.8/27

2443.647+/-0.322 χ^2/NDF : 654780.6/56

2413.542+/-0.453 χ^2/NDF : 334970.8/28

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: 67.094 $\pm$ 84.014 χ^2 /NDF: 2.7/10

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

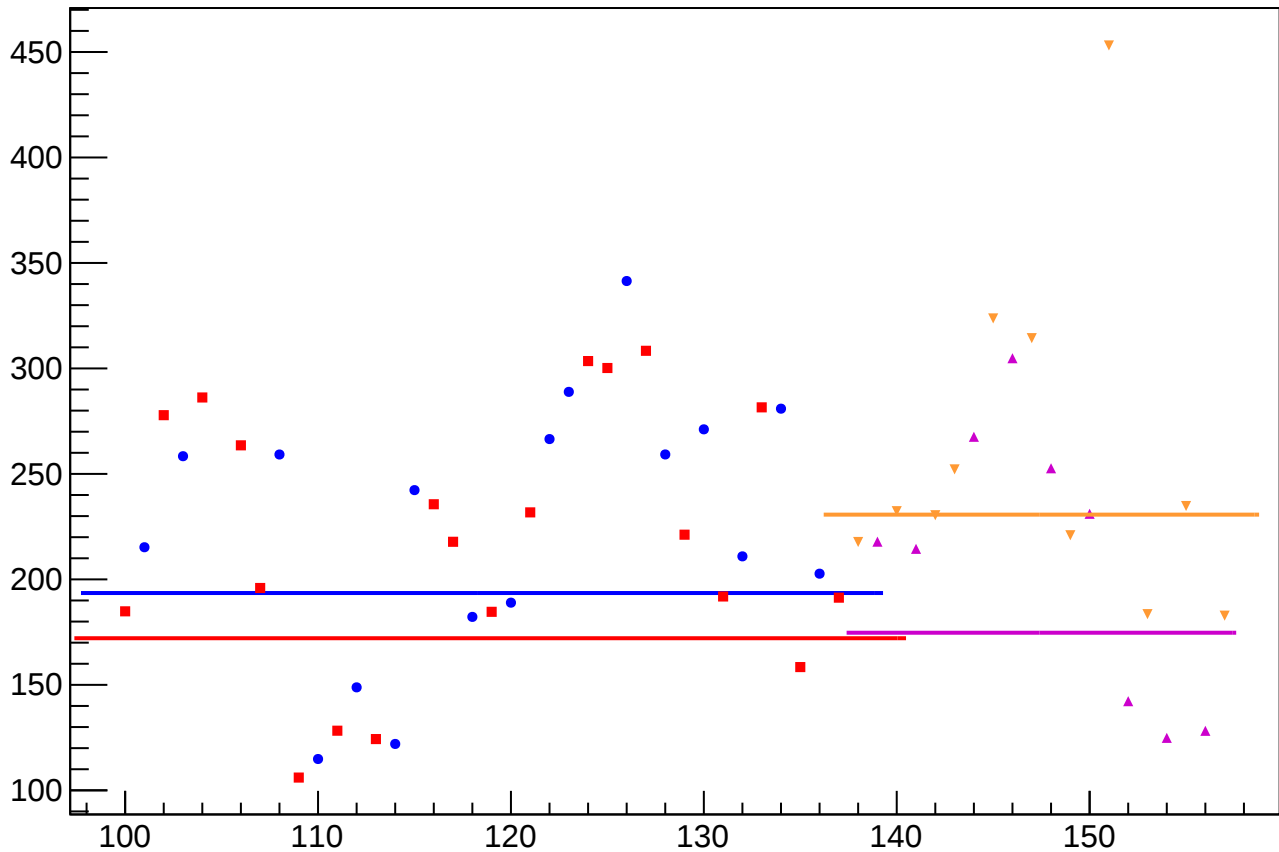
Left In: 56.920 $\pm$ 70.688 χ^2 /NDF: 3.9/8

68.417 $\pm$ 57.561 χ^2 /NDF: 10.0/27

46.316 $\pm$ 37.608 χ^2 /NDF: 20.9/56

29.855 $\pm$ 49.676 χ^2 /NDF: 10.6/28

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: 230.693 $\pm$ 0.059 χ^2 /NDF: 823433.3/10

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

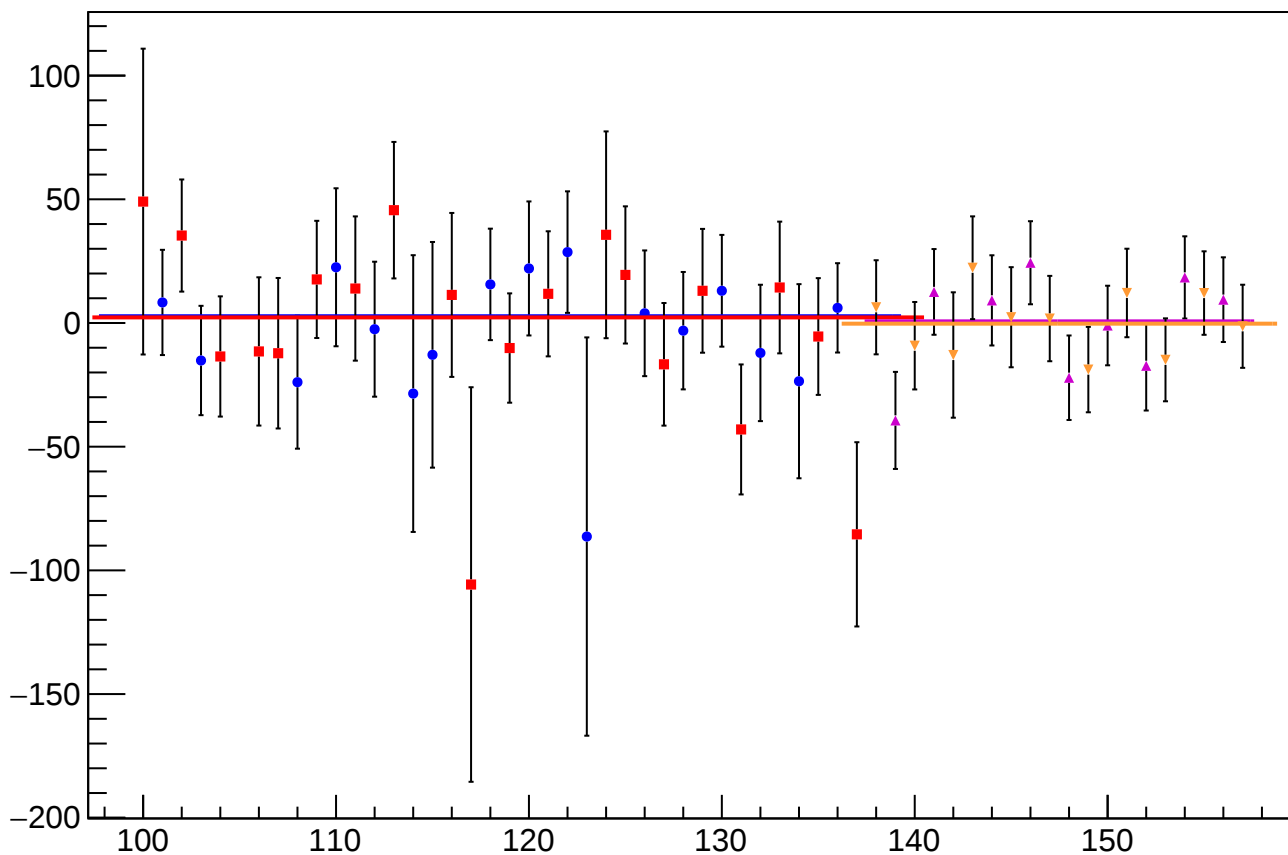
Left In: 174.711 $\pm$ 0.050 χ^2 /NDF: 1352852.0/8

210.976 $\pm$ 0.041 χ^2 /NDF: 2041459.2/27

189.435 $\pm$ 0.027 χ^2 /NDF: 5465100.7/56

173.391 $\pm$ 0.035 χ^2 /NDF: 2934919.9/28

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: -0.274+/-5.527 χ^2/NDF : 4.8/10

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

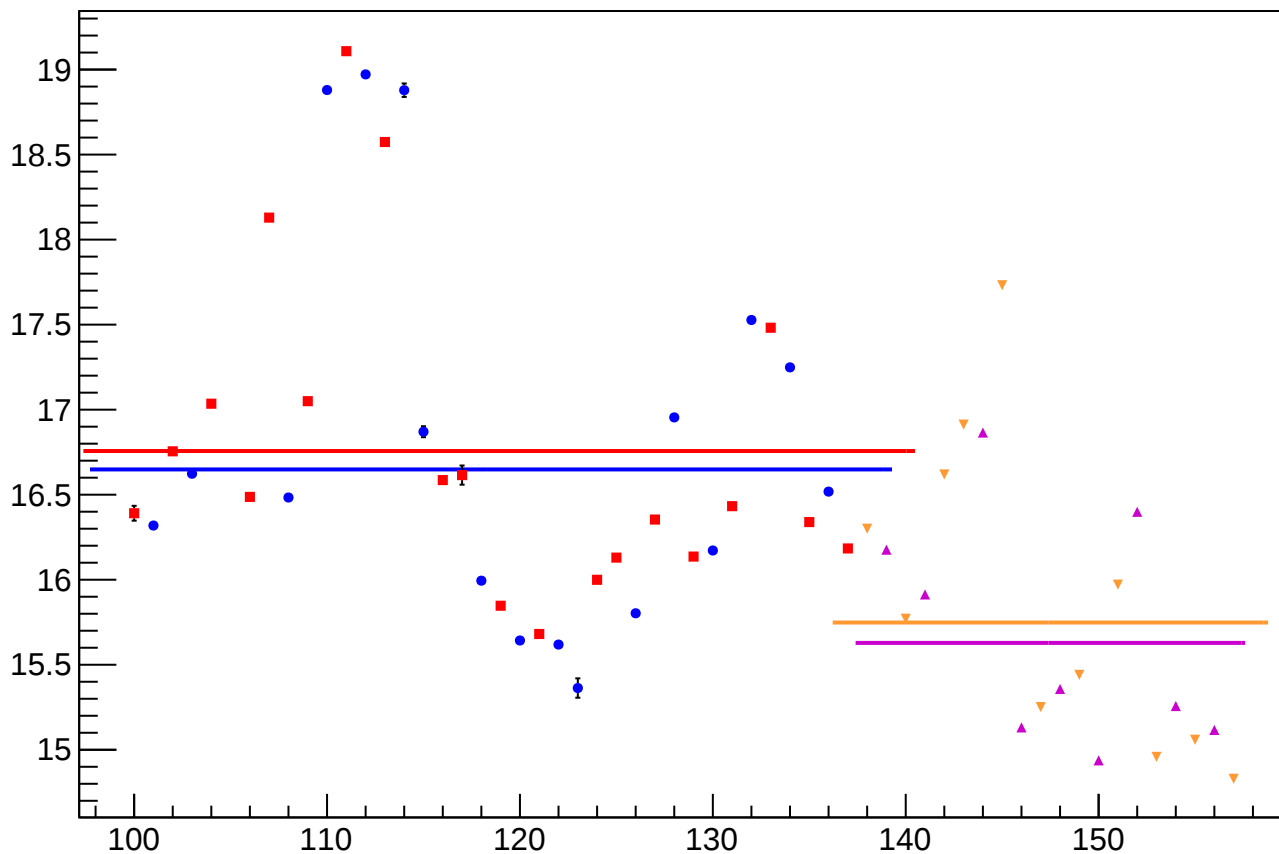
Left In: 0.658+/-5.786 χ^2/NDF : 11.0/8

1.005+/-4.190 χ^2/NDF : 11.7/27

1.198+/-2.983 χ^2/NDF : 42.3/56

1.396+/-4.249 χ^2/NDF : 30.7/28

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.649+/-0.005 χ^2/NDF : 42566.9/16

Left Out: 15.748+/-0.004 χ^2/NDF : 45913.6/10

Right Out: 16.757+/-0.004 χ^2/NDF : 39957.1/19

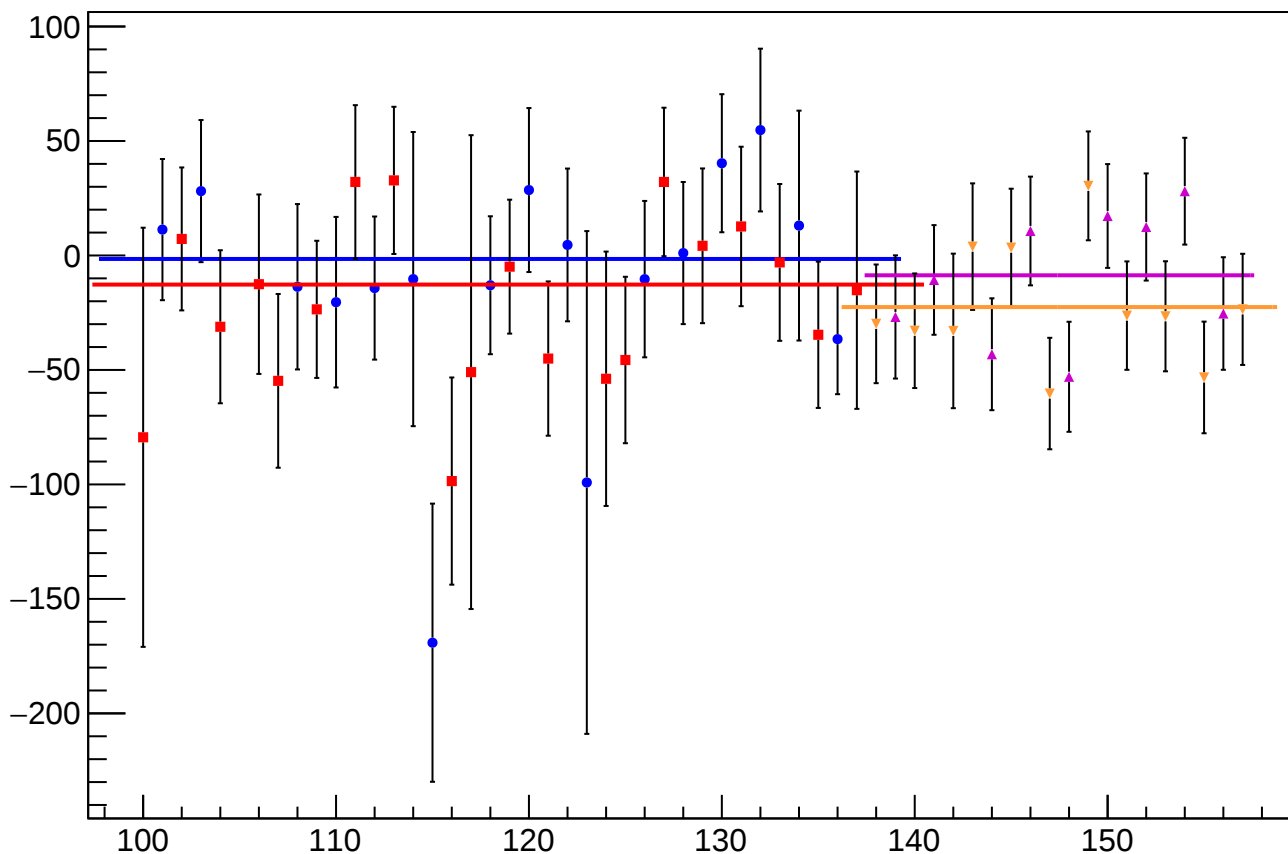
Left In: 15.628+/-0.004 χ^2/NDF : 23675.8/8

16.131+/-0.003 χ^2/NDF : 111051.4/27

16.140+/-0.002 χ^2/NDF : 209749.9/56

16.148+/-0.003 χ^2/NDF : 98681.9/28

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: -22.536 ± 7.640 χ^2/NDF : 11.3/10

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

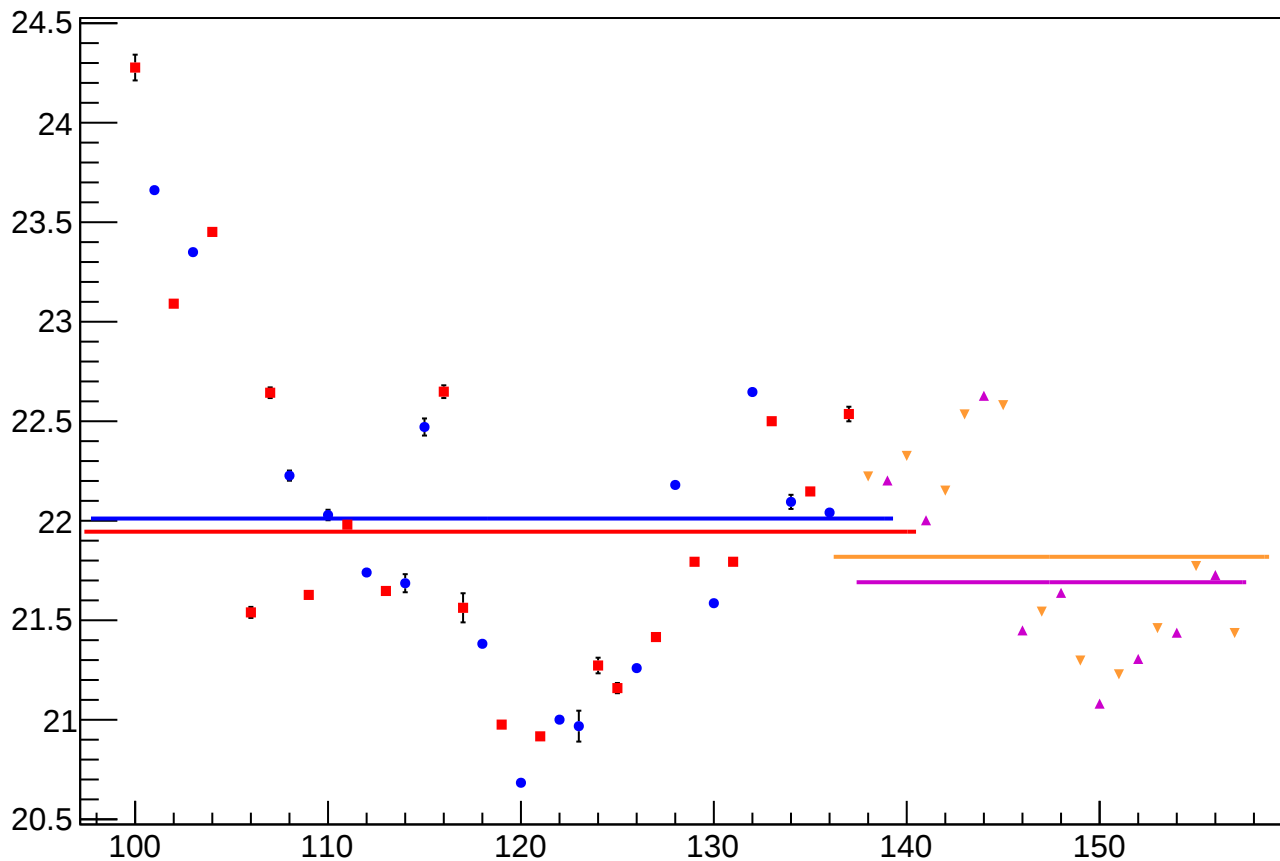
Left In: -8.662 ± 8.014 χ^2/NDF : 11.6/8

-13.128 ± 5.678 χ^2/NDF : 32.3/27

-11.898 ± 4.032 χ^2/NDF : 59.8/56

-10.646 ± 5.726 χ^2/NDF : 27.4/28

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 21.819 $\pm$ 0.005 χ^2 /NDF: 8003.5/10

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

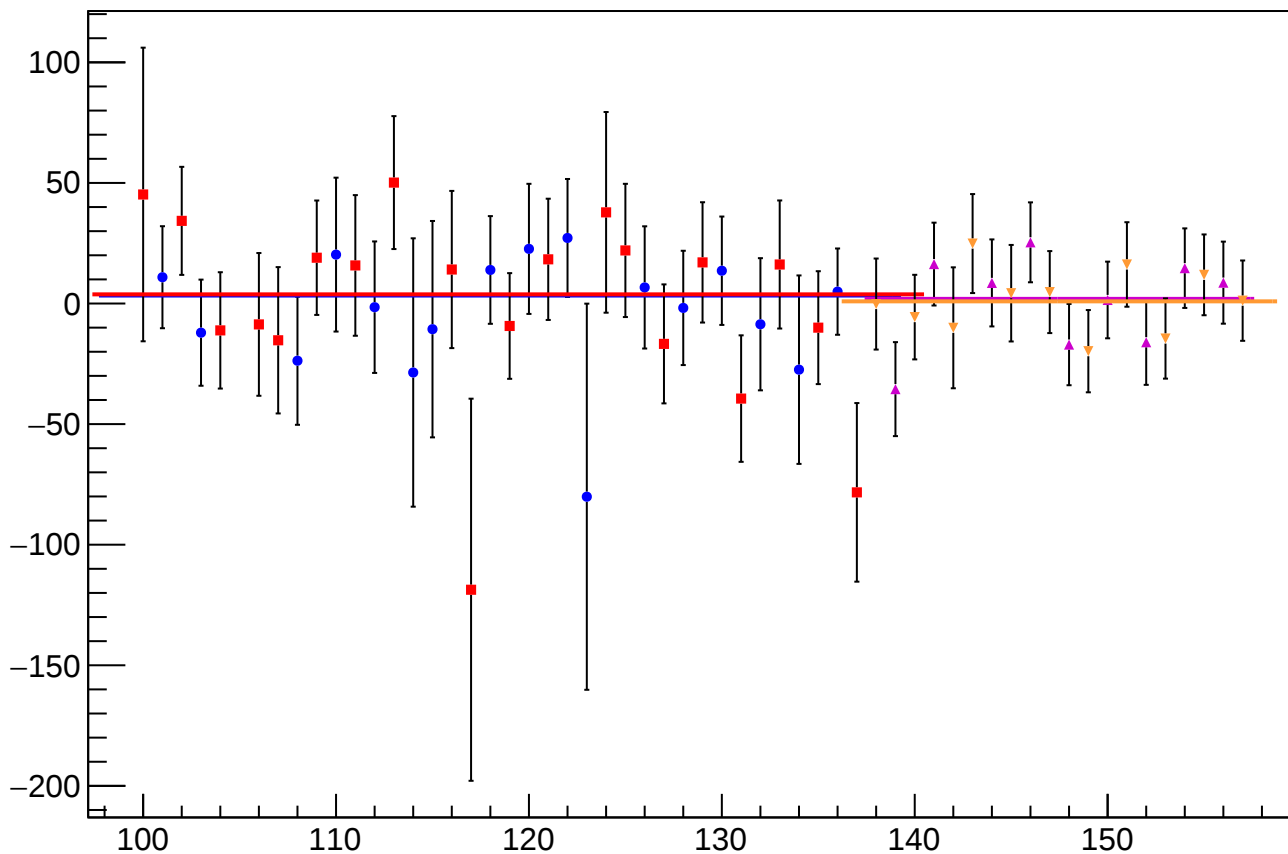
Left In: 21.691 $\pm$ 0.006 χ^2 /NDF: 6449.0/8

21.905 $\pm$ 0.004 χ^2 /NDF: 26117.5/27

21.861 $\pm$ 0.003 χ^2 /NDF: 50416.2/56

21.815 $\pm$ 0.004 χ^2 /NDF: 24051.9/28

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.317 $\pm$ 6.388 χ^2 /NDF: 6.3/16

Left Out: 0.901 $\pm$ 5.467 χ^2 /NDF: 5.3/10

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

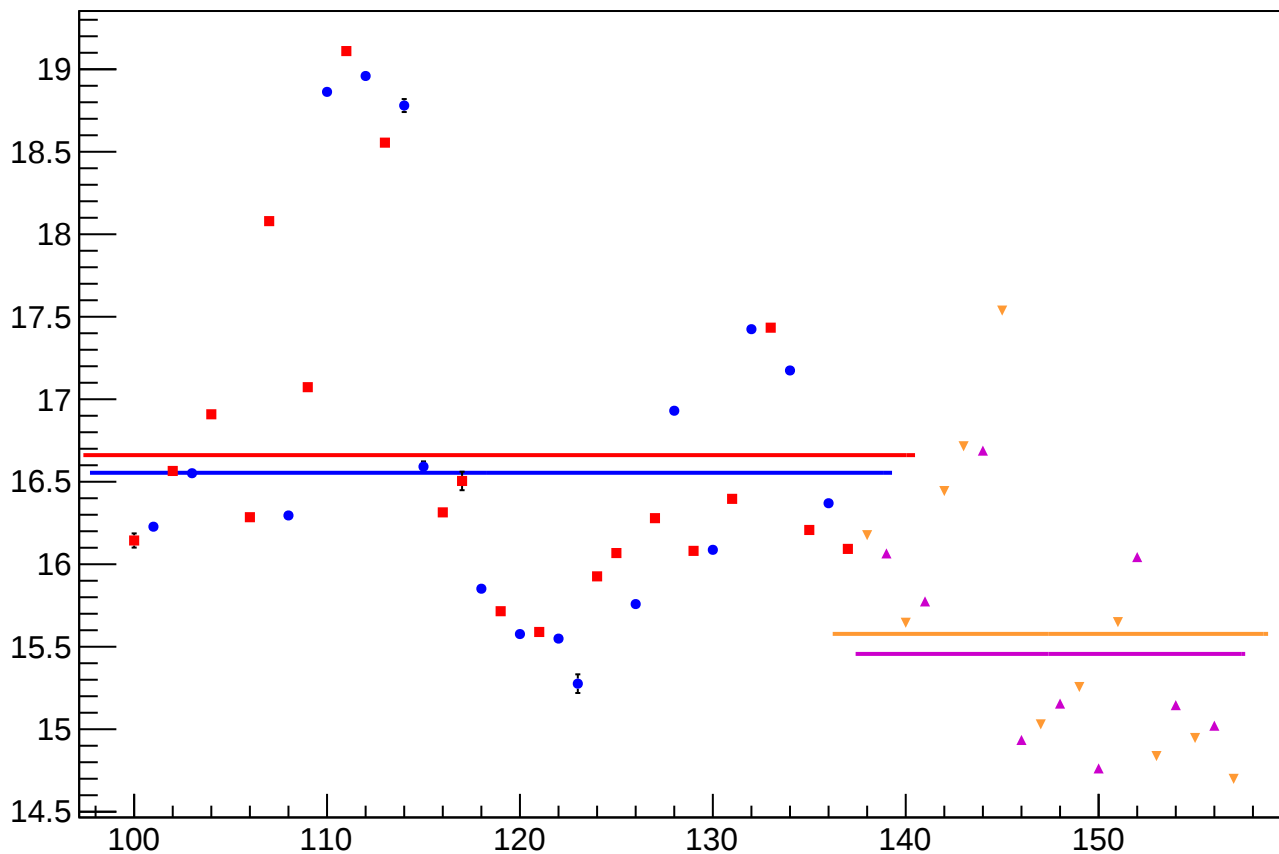
Left In: 1.927 $\pm$ 5.721 χ^2 /NDF: 9.6/8

1.922 $\pm$ 4.153 χ^2 /NDF: 11.6/27

2.347 $\pm$ 2.957 χ^2 /NDF: 41.4/56

2.785 $\pm$ 4.212 χ^2 /NDF: 29.8/28

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 15.578 $\pm$ 0.004 χ^2/NDF : 44937.5/10

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

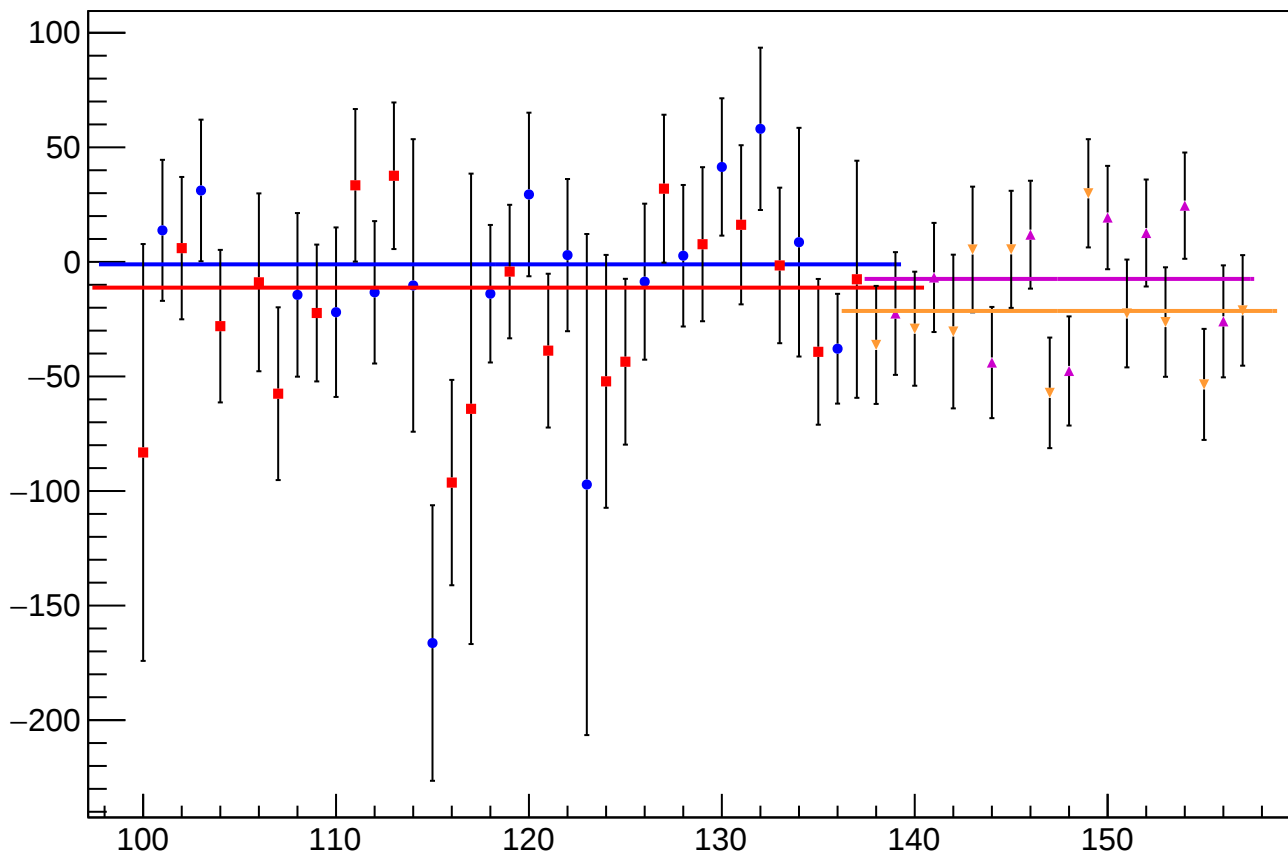
Left In: 15.457 $\pm$ 0.004 χ^2/NDF : 22627.8/8

15.991 $\pm$ 0.003 χ^2/NDF : 116386.1/27

15.999 $\pm$ 0.002 χ^2/NDF : 222721.5/56

16.008 $\pm$ 0.003 χ^2/NDF : 106317.7/28

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: -21.411 ± 7.590 $\chi^2/\text{NDF}: 11.3/10$

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

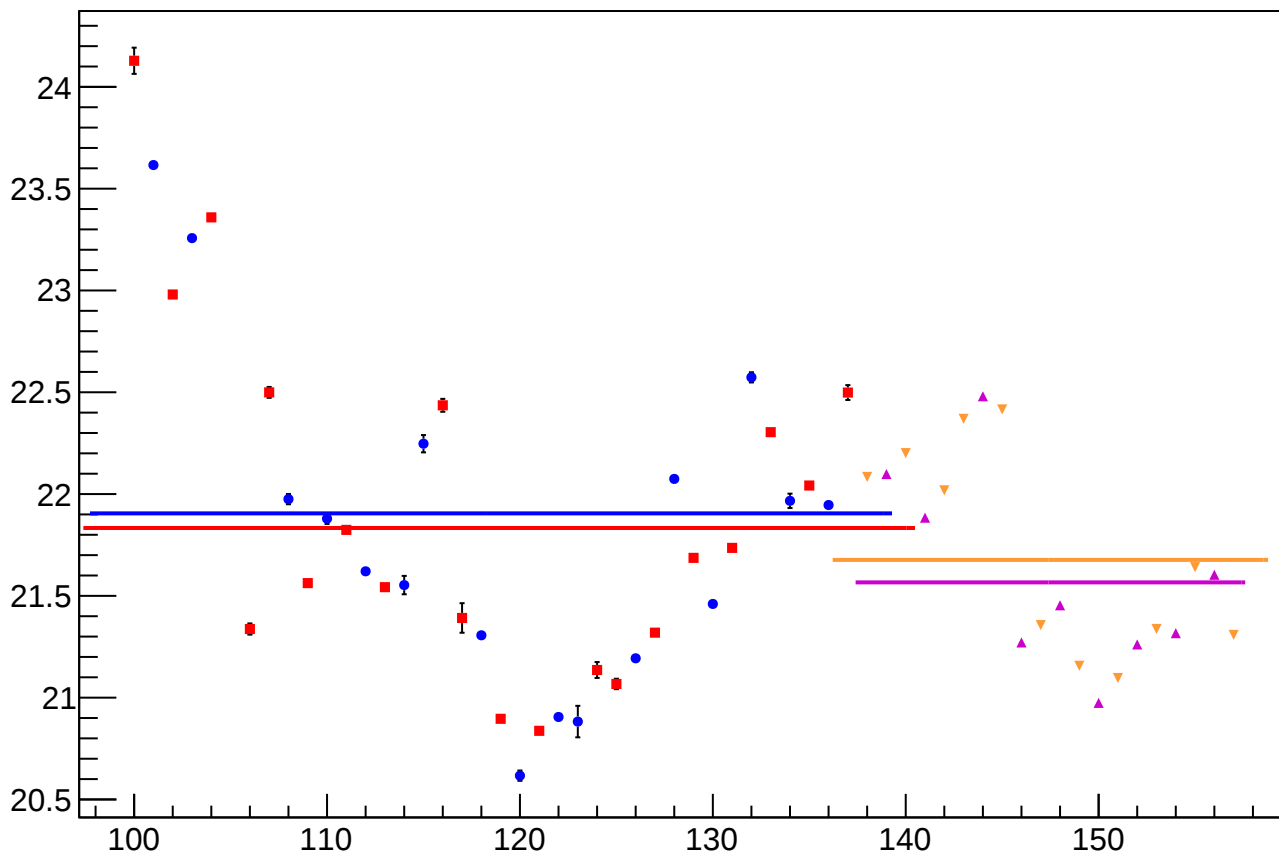
Left In: -7.428 ± 7.967 $\chi^2/\text{NDF}: 10.7/8$

-12.321 ± 5.645 $\chi^2/\text{NDF}: 33.0/27$

-10.819 ± 4.009 $\chi^2/\text{NDF}: 60.4/56$

-9.290 ± 5.695 $\chi^2/\text{NDF}: 27.3/28$

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.905+/-0.006 χ^2/NDF : 17794.2/16

Left Out: 21.677+/-0.005 χ^2/NDF : 7957.2/10

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

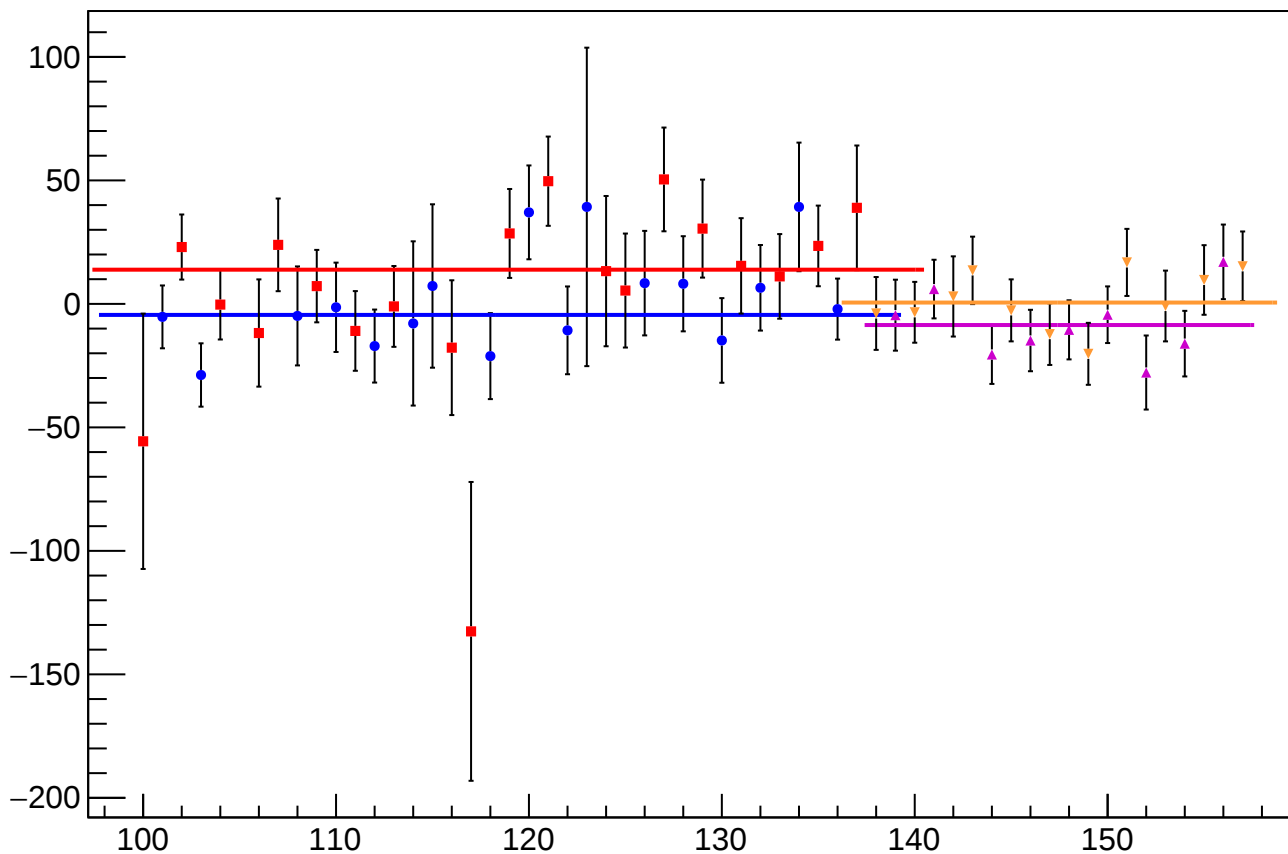
Left In: 21.566+/-0.006 χ^2/NDF : 6295.4/8

21.779+/-0.004 χ^2/NDF : 26561.8/27

21.738+/-0.003 χ^2/NDF : 50454.6/56

21.697+/-0.004 χ^2/NDF : 23684.2/28

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.461 $\pm$ 4.329 χ^2 /NDF: 15.2/16

Left Out: 0.543 $\pm$ 4.089 χ^2 /NDF: 7.9/10

Right Out: 13.851 $\pm$ 4.253 χ^2 /NDF: 25.4/19

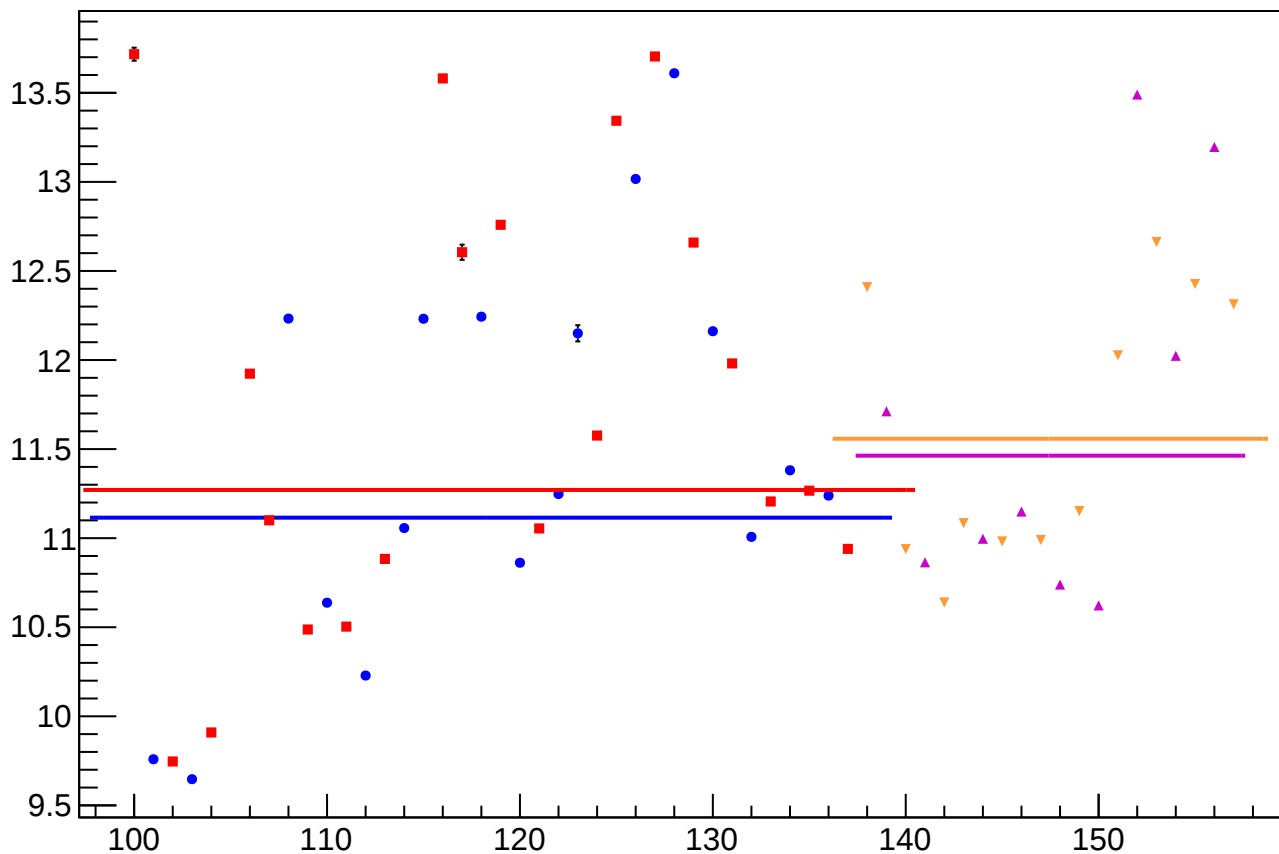
Left In: -8.558 $\pm$ 4.282 χ^2 /NDF: 7.8/8

-1.816 $\pm$ 2.972 χ^2 /NDF: 23.8/27

0.418 $\pm$ 2.118 χ^2 /NDF: 72.0/56

2.721 $\pm$ 3.018 χ^2 /NDF: 47.0/28

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: 11.558+/-0.003 χ^2/NDF : 58586.3/10

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

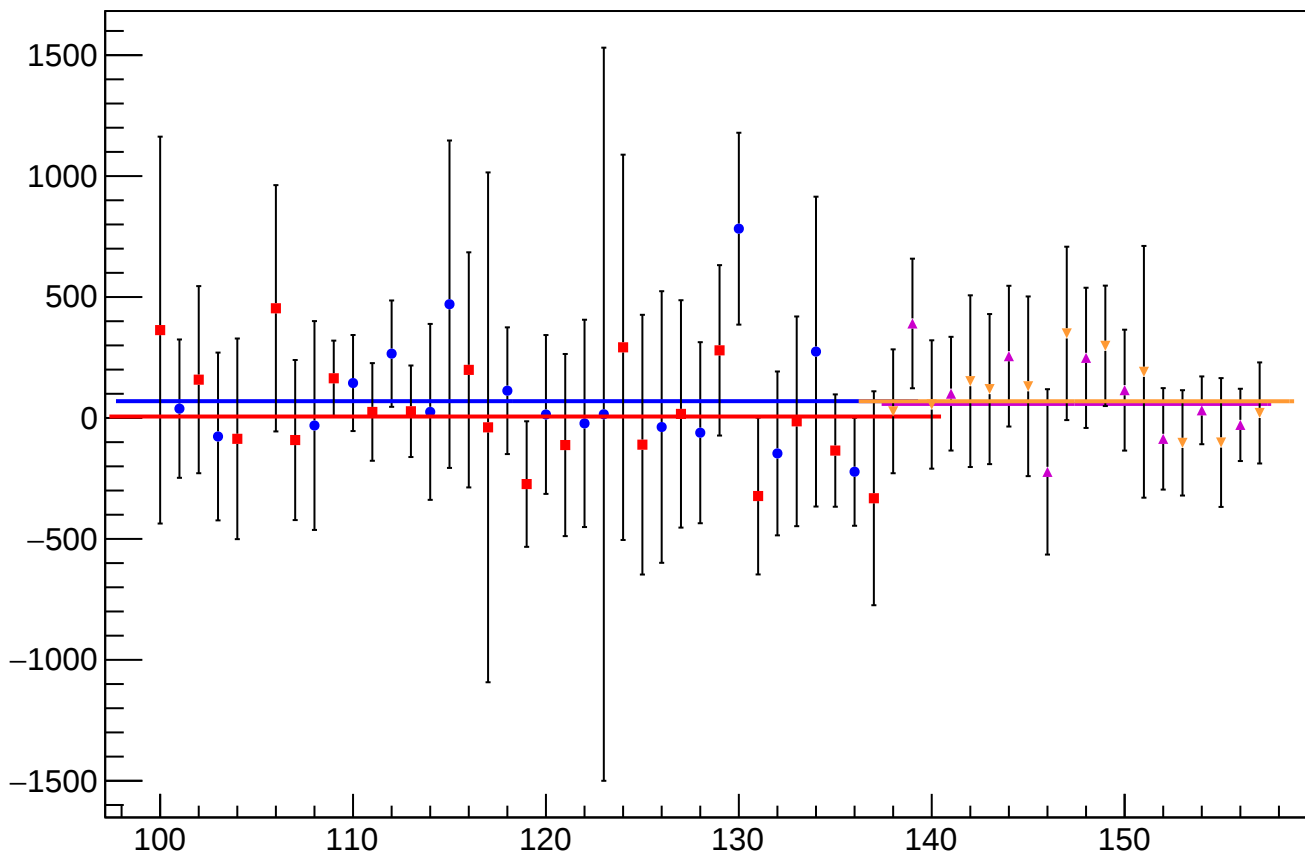
Left In: 11.463+/-0.003 χ^2/NDF : 94557.0/8

11.349+/-0.002 χ^2/NDF : 202723.7/27

11.358+/-0.001 χ^2/NDF : 447808.9/56

11.366+/-0.002 χ^2/NDF : 245053.2/28

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: 69.103 ± 84.291 χ^2/NDF : 2.7/10

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

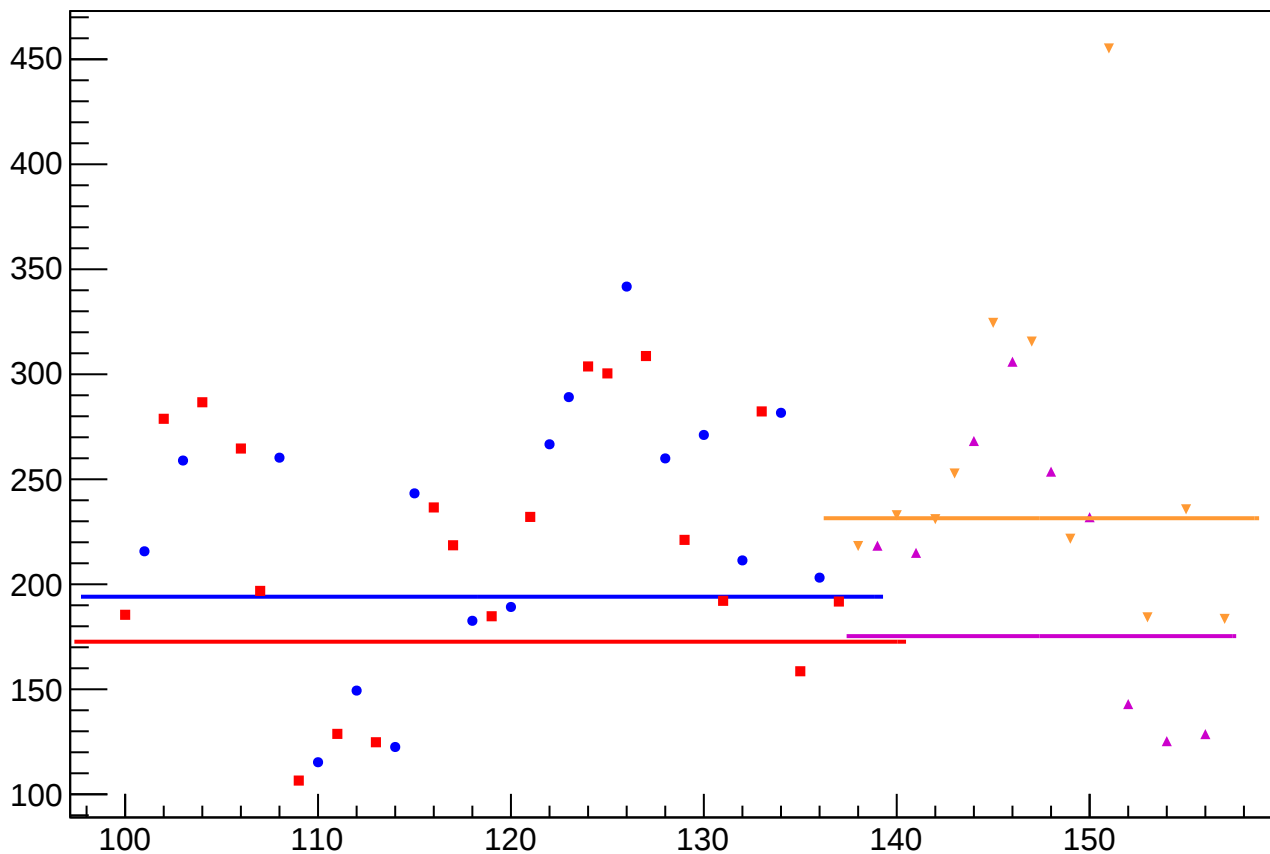
Left In: 58.048 ± 70.929 χ^2/NDF : 4.0/8

69.298 ± 57.731 χ^2/NDF : 10.0/27

47.747 ± 37.723 χ^2/NDF : 21.0/56

31.689 ± 49.832 χ^2/NDF : 10.8/28

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: 231.456+/-0.060 χ^2/NDF : 822893.2/10

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

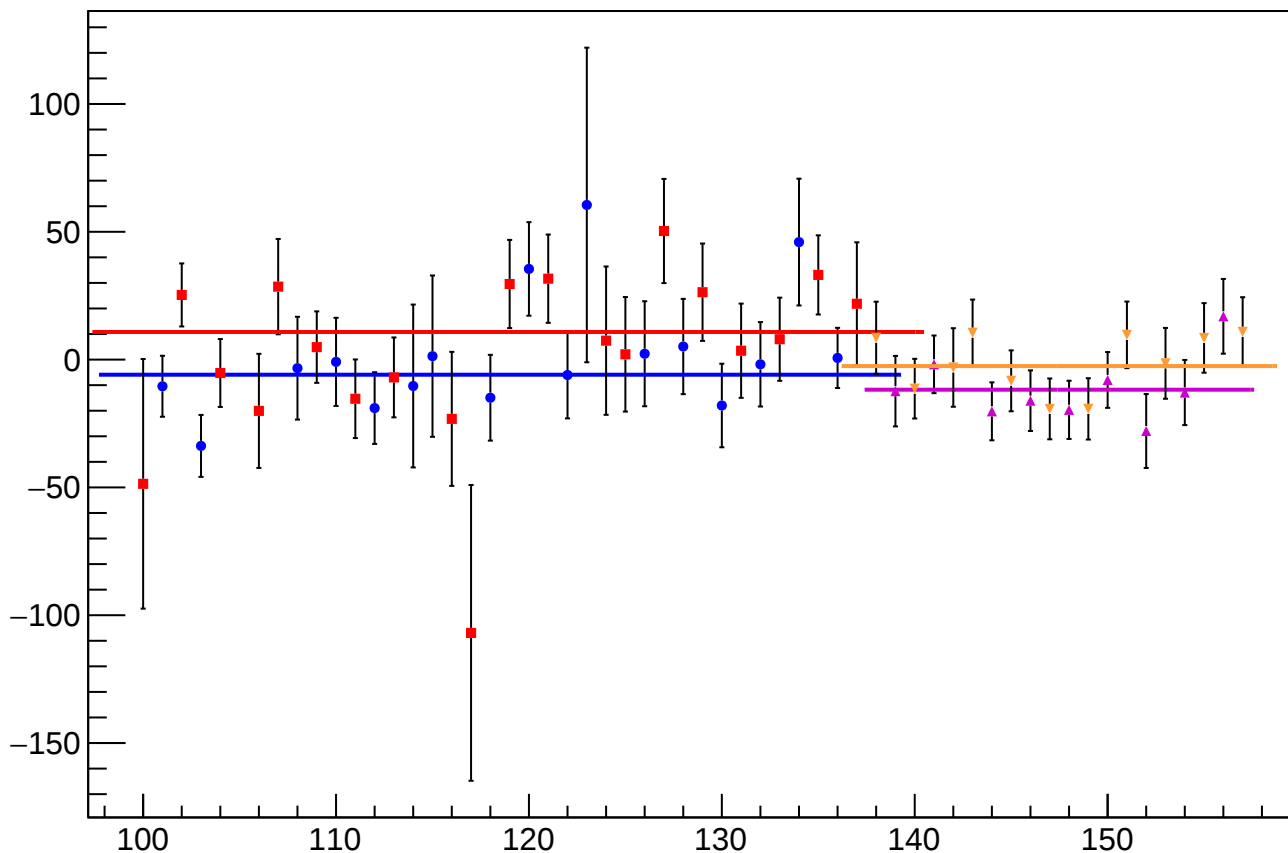
Left In: 175.316+/-0.050 χ^2/NDF : 1350982.1/8

211.613+/-0.041 χ^2/NDF : 2037044.8/27

190.042+/-0.027 χ^2/NDF : 5450041.3/56

173.969+/-0.035 χ^2/NDF : 2925684.3/28

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: -2.530 ± 3.906 χ^2/NDF : 8.9/10

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

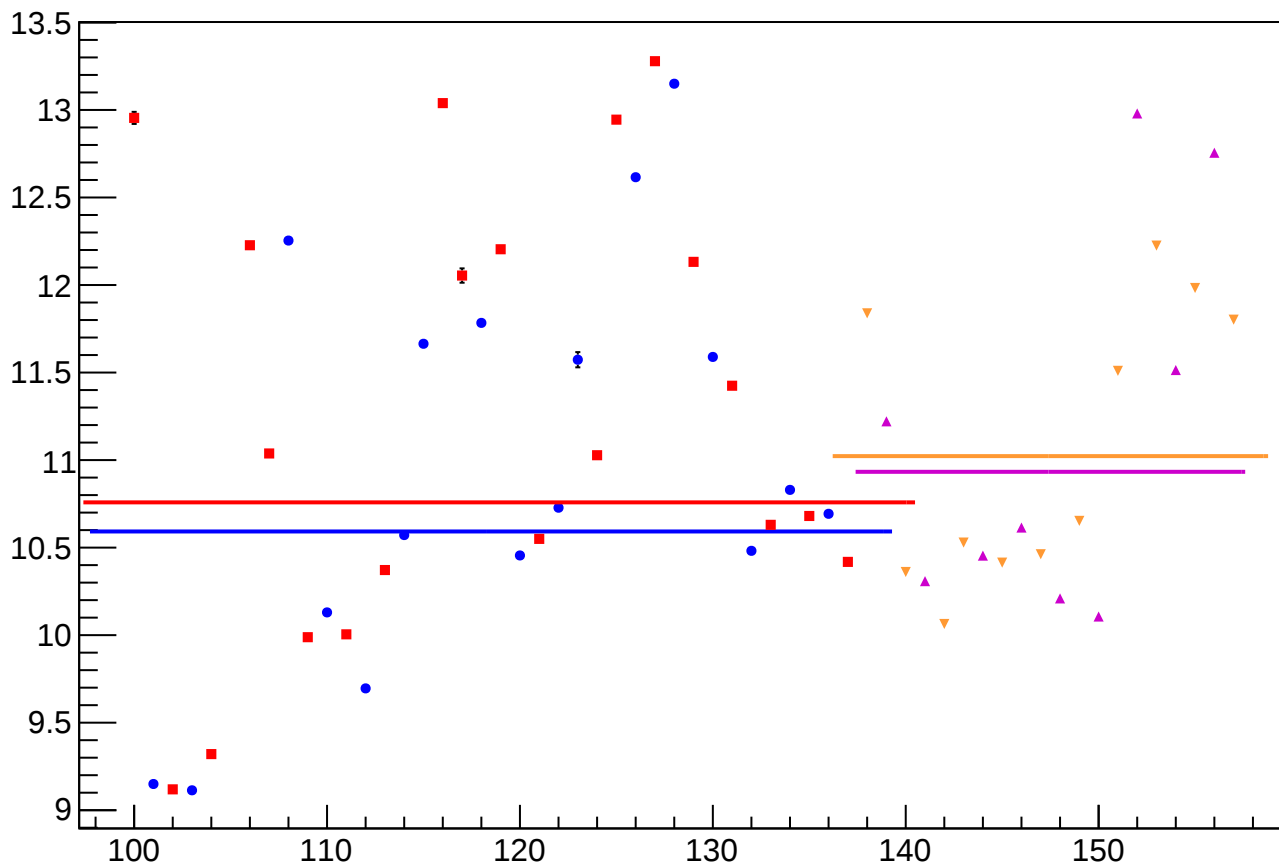
Left In: -11.773 ± 4.091 χ^2/NDF : 7.2/8

-4.126 ± 2.839 χ^2/NDF : 28.1/27

-2.303 ± 2.023 χ^2/NDF : 78.4/56

-0.421 ± 2.885 χ^2/NDF : 49.5/28

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.592 $\pm$ 0.003 χ^2 /NDF: 160397.9/16

Left Out: 11.023 $\pm$ 0.003 χ^2 /NDF: 69793.7/10

Right Out: 10.758 $\pm$ 0.003 χ^2 /NDF: 177903.3/19

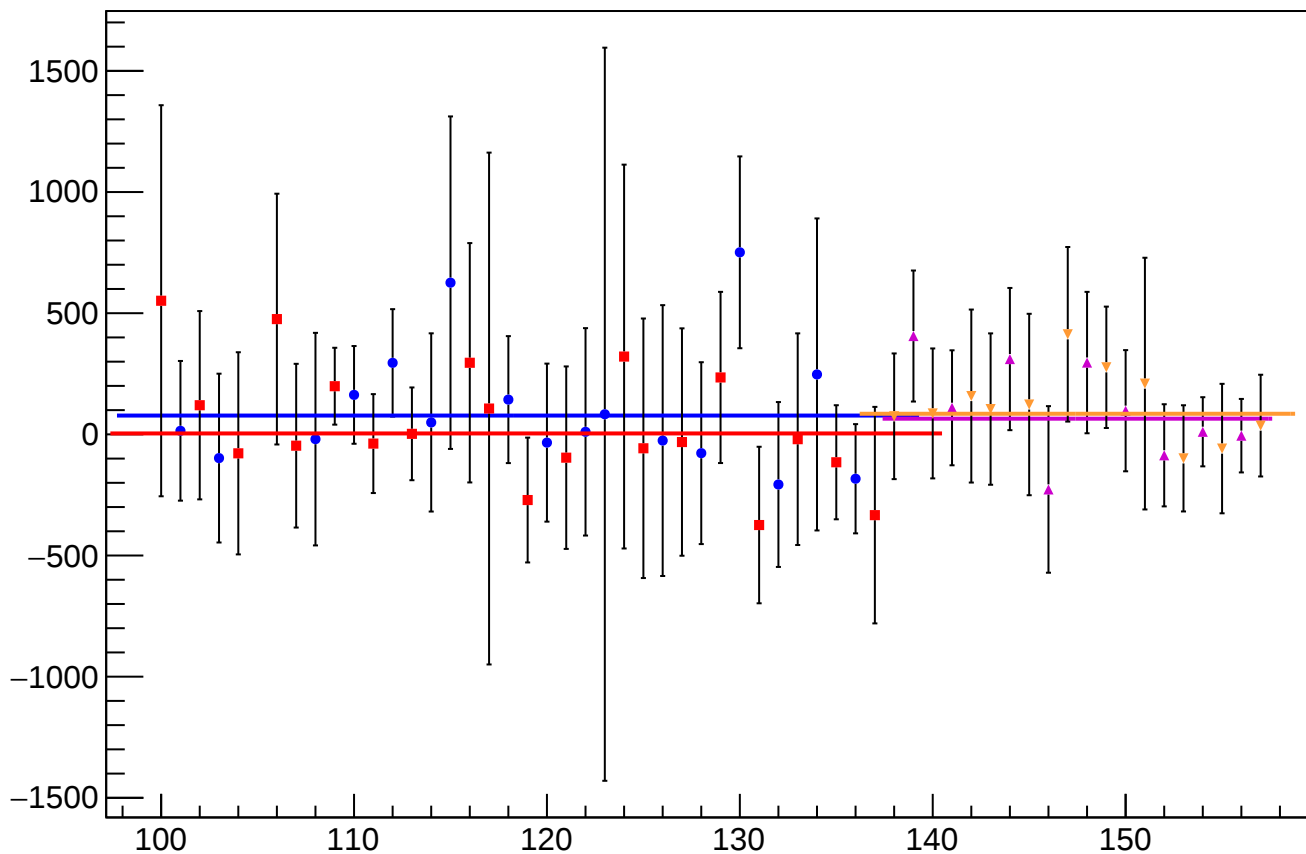
Left In: 10.933 $\pm$ 0.003 χ^2 /NDF: 106907.6/8

10.820 $\pm$ 0.002 χ^2 /NDF: 241646.8/27

10.832 $\pm$ 0.001 χ^2 /NDF: 528368.2/56

10.845 $\pm$ 0.002 χ^2 /NDF: 286641.0/28

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: 84.984 $\pm$ 84.853 χ^2 /NDF: 2.6/10

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

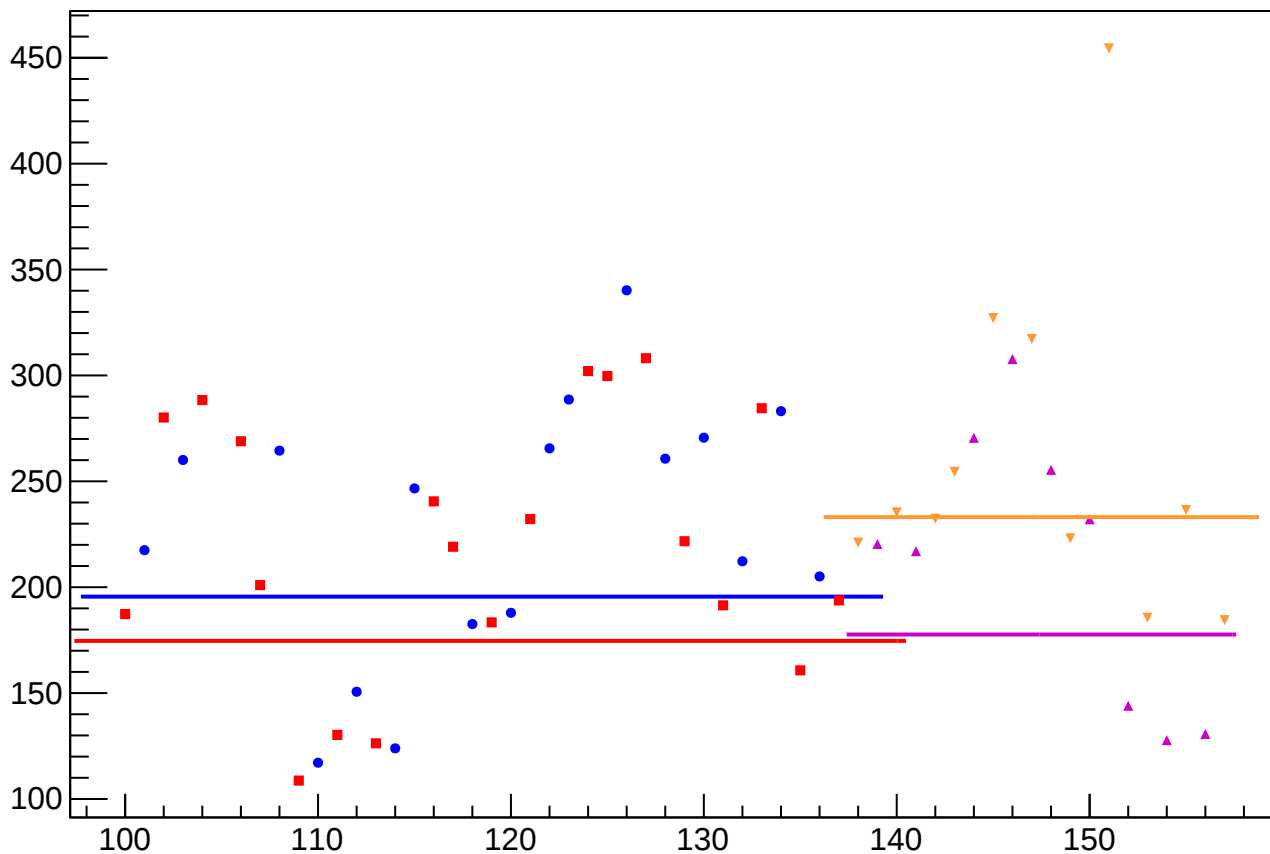
Left In: 64.636 $\pm$ 71.729 χ^2 /NDF: 4.6/8

81.057 $\pm$ 58.112 χ^2 /NDF: 10.1/27

54.042 $\pm$ 38.054 χ^2 /NDF: 22.8/56

33.761 $\pm$ 50.351 χ^2 /NDF: 12.3/28

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: 233.097 $\pm$ 0.060 χ^2 /NDF: 816971.8/10

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

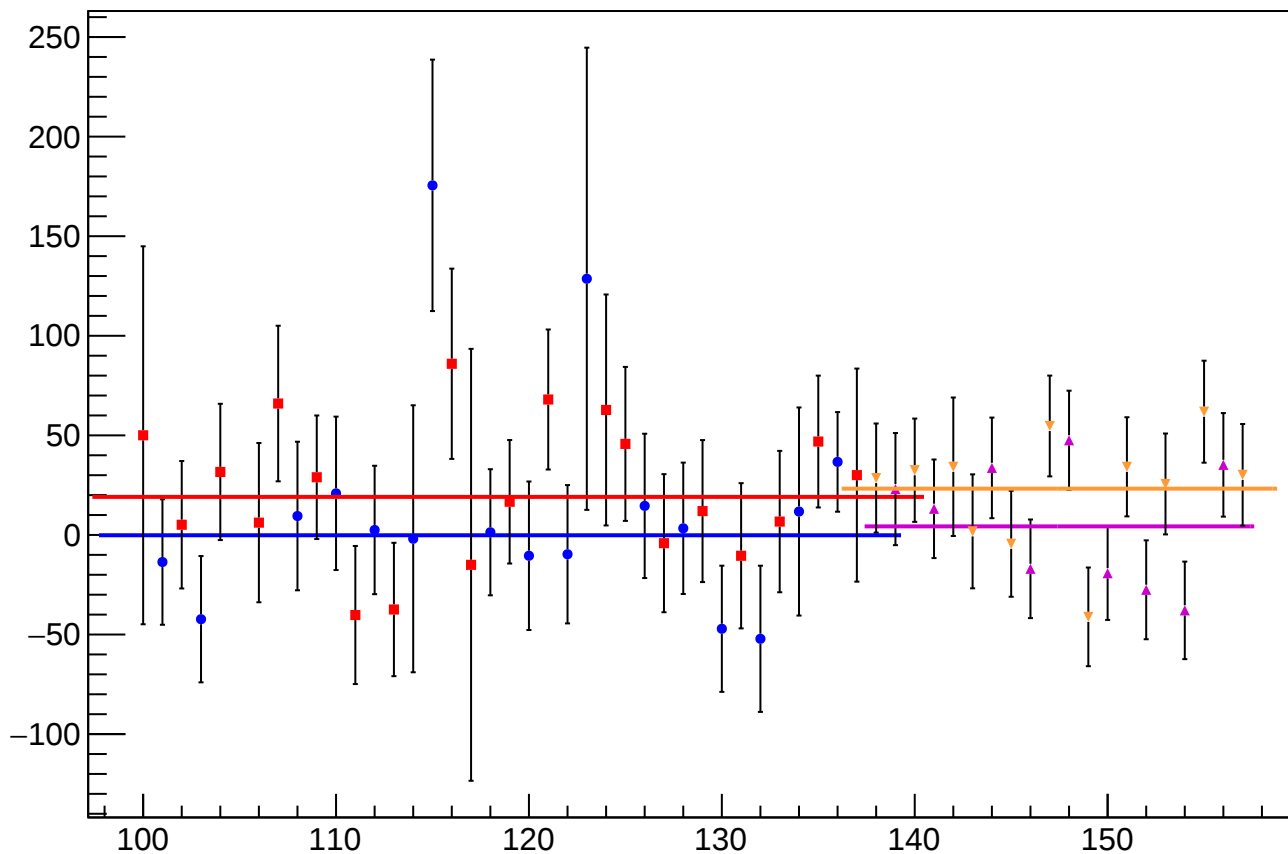
Left In: 177.659 $\pm$ 0.051 χ^2 /NDF: 1315835.8/8

213.161 $\pm$ 0.041 χ^2 /NDF: 2004831.1/27

192.011 $\pm$ 0.027 χ^2 /NDF: 5318473.5/56

176.132 $\pm$ 0.036 χ^2 /NDF: 2849811.2/28

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 23.242 ± 7.980 χ^2/NDF : 12.8/10

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

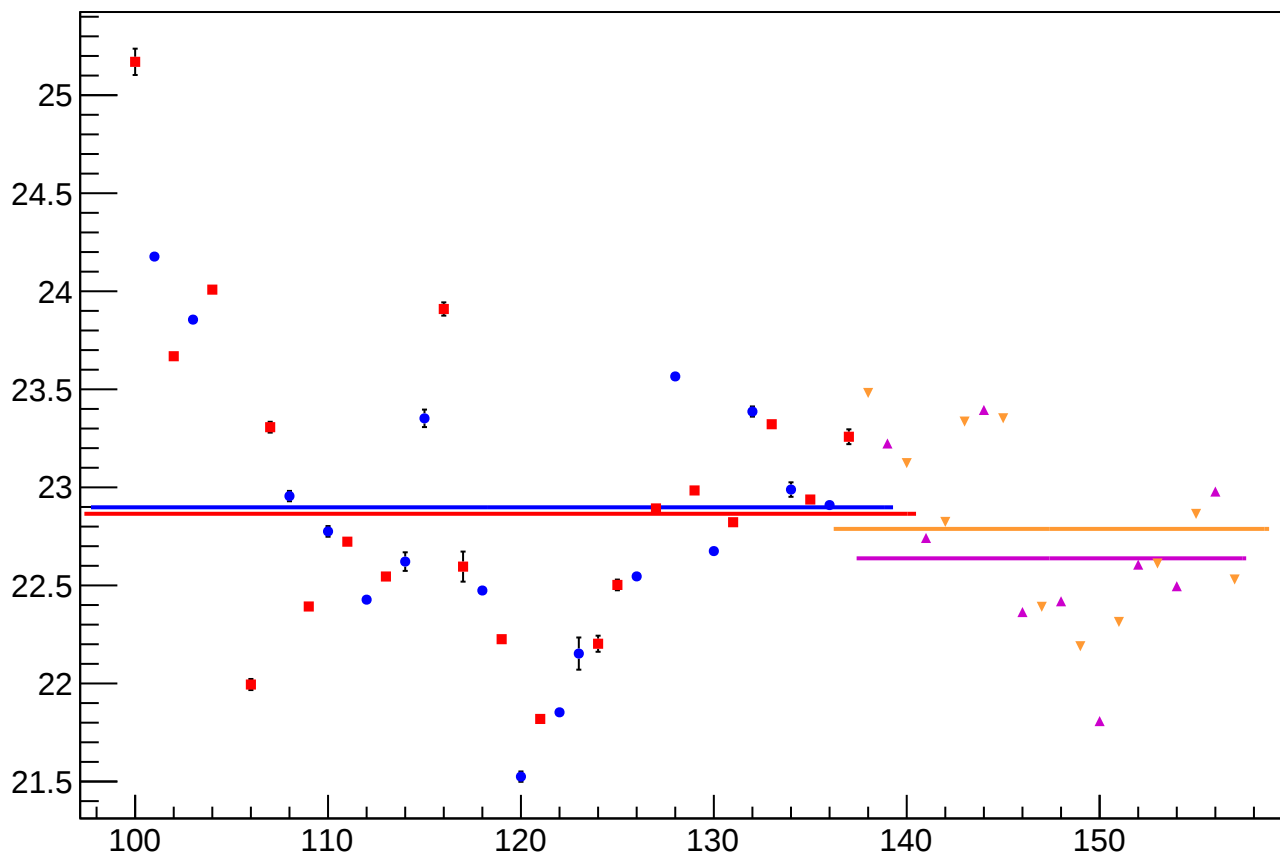
Left In: 4.301 ± 8.364 χ^2/NDF : 12.7/8

12.718 ± 5.919 χ^2/NDF : 34.7/27

12.144 ± 4.204 χ^2/NDF : 63.8/56

11.560 ± 5.971 χ^2/NDF : 29.2/28

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 22.788 $\pm$ 0.006 χ^2 /NDF: 5952.9/10

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

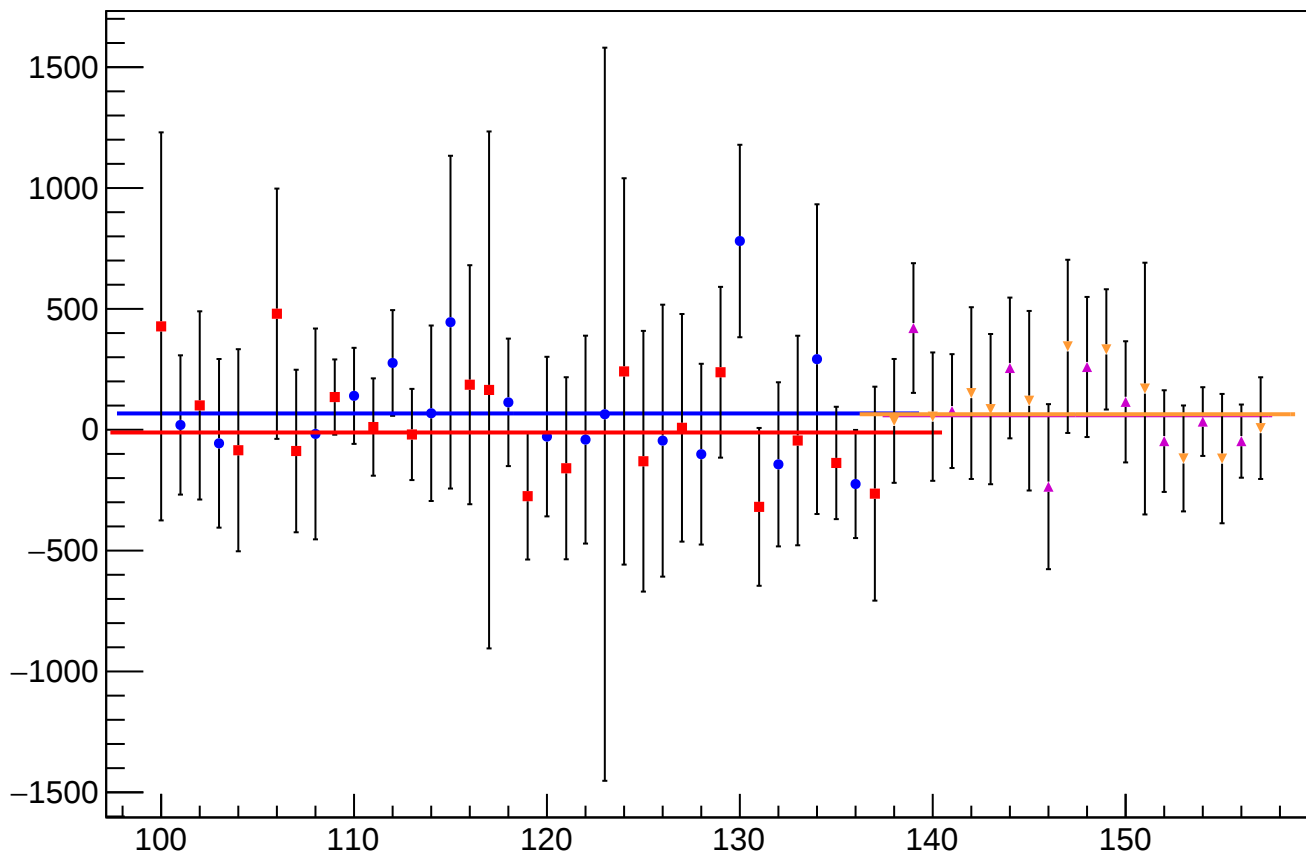
Left In: 22.638 $\pm$ 0.006 χ^2 /NDF: 6014.3/8

22.838 $\pm$ 0.004 χ^2 /NDF: 18267.3/27

22.794 $\pm$ 0.003 χ^2 /NDF: 36286.4/56

22.750 $\pm$ 0.004 χ^2 /NDF: 17798.7/28

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.449 $\pm$ 79.404 χ^2 /NDF: 7.4/16

Left Out: 64.155 $\pm$ 84.526 χ^2 /NDF: 3.2/10

Right Out: -11.355 $\pm$ 70.203 χ^2 /NDF: 5.8/19

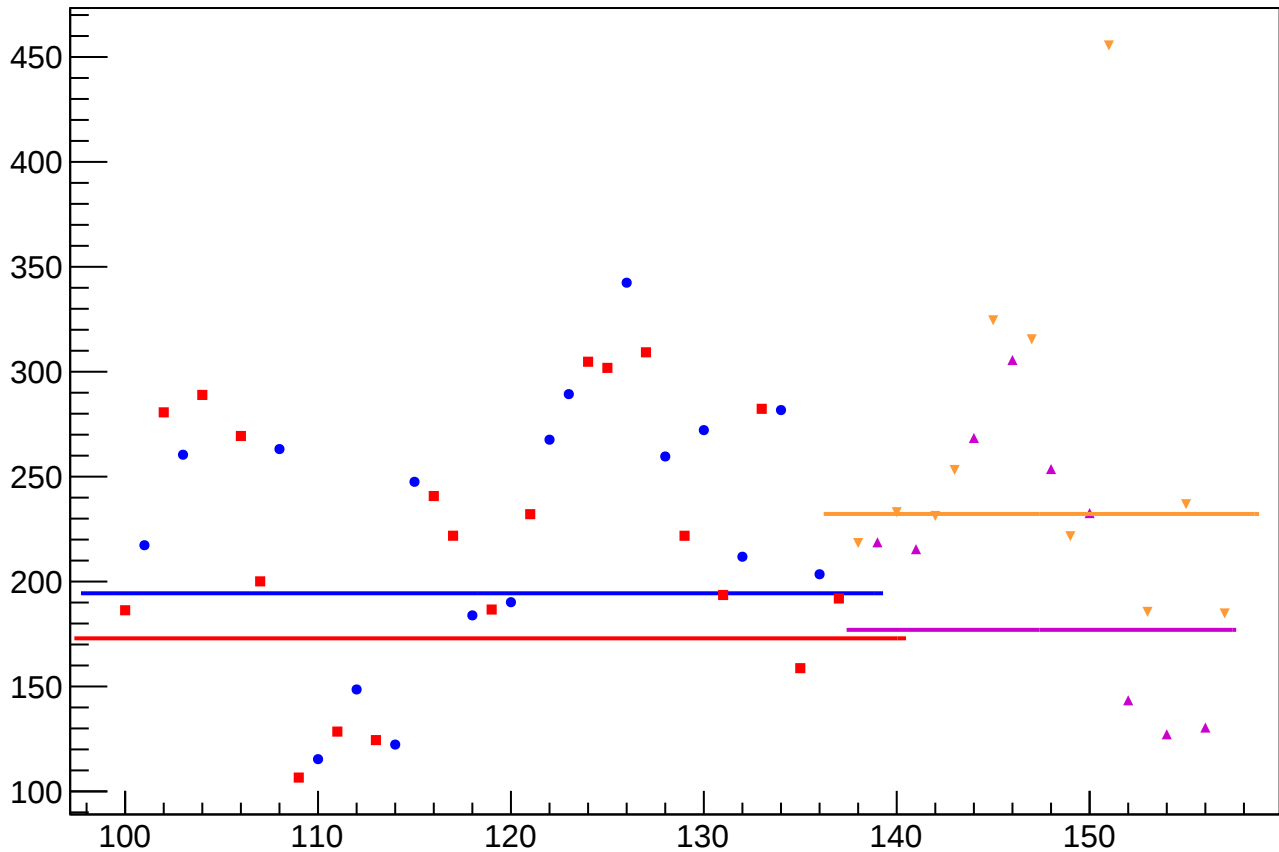
Left In: 59.838 $\pm$ 71.460 χ^2 /NDF: 4.3/8

65.905 $\pm$ 57.873 χ^2 /NDF: 10.5/27

41.720 $\pm$ 37.870 χ^2 /NDF: 21.5/56

23.610 $\pm$ 50.079 χ^2 /NDF: 10.6/28

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 232.221 +/- 0.060 χ^2/NDF : 810587.6/10

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

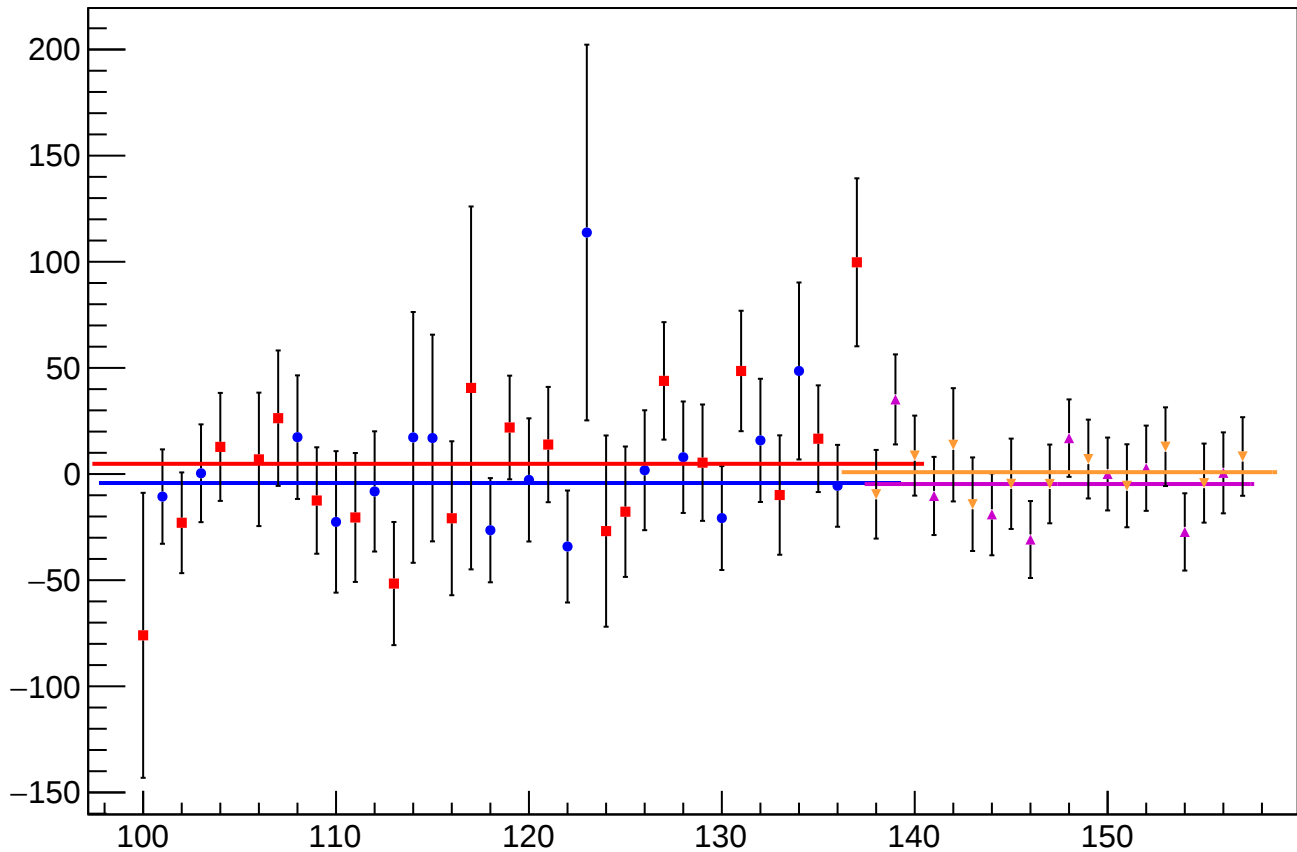
Left In: 176.990 +/- 0.051 χ^2/NDF : 1306439.6/8

212.136 +/- 0.041 χ^2/NDF : 2043091.3/27

190.861 +/- 0.027 χ^2/NDF : 5426414.4/56

174.930 +/- 0.035 χ^2/NDF : 2910665.2/28

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.223 ± 6.871 χ^2/NDF : 8.0/16

Left Out: 0.876 ± 5.985 χ^2/NDF : 2.2/10

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

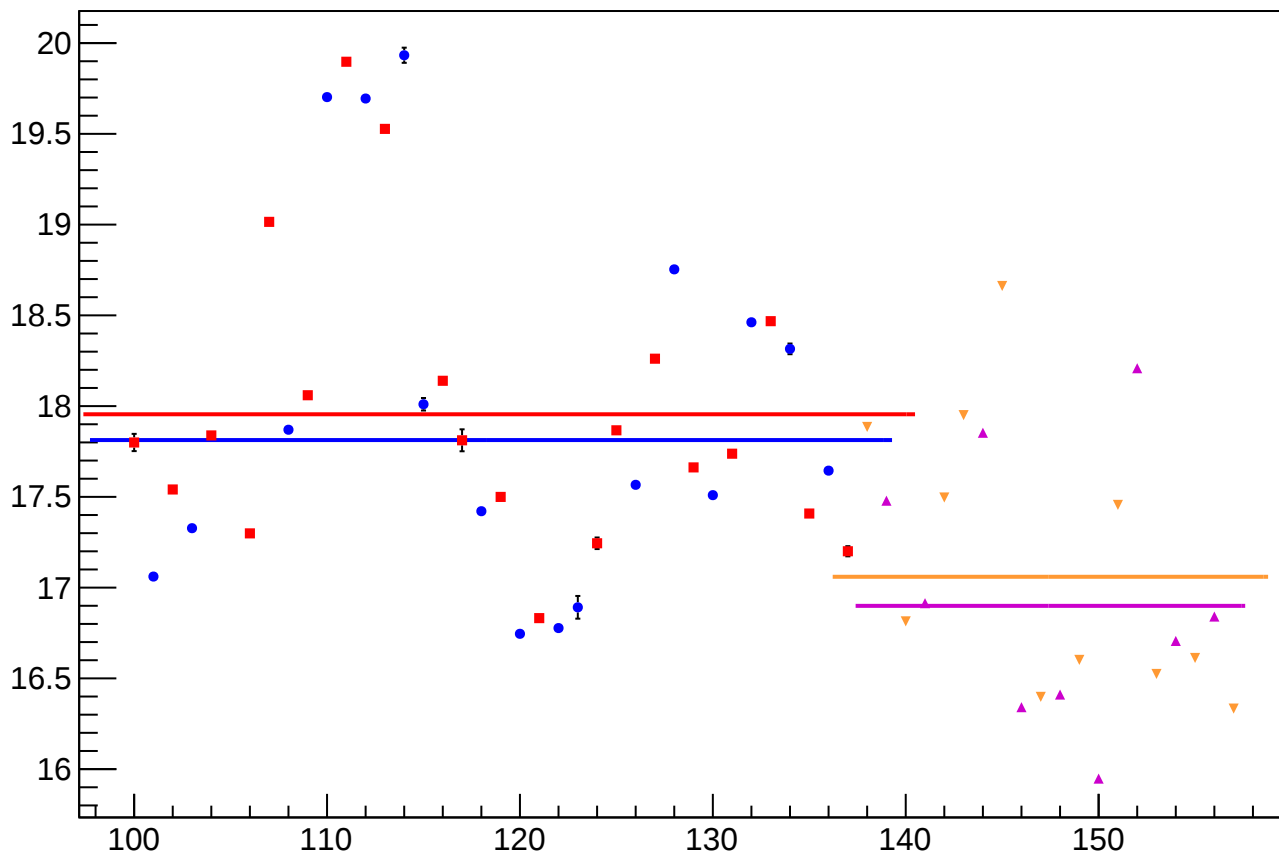
Left In: -4.705 ± 6.257 χ^2/NDF : 9.5/8

-1.324 ± 4.513 χ^2/NDF : 10.5/27

-0.804 ± 3.213 χ^2/NDF : 42.3/56

-0.271 ± 4.574 χ^2/NDF : 31.8/28

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: 17.060 $\pm$ 0.004 χ^2/NDF : 29072.9/10

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

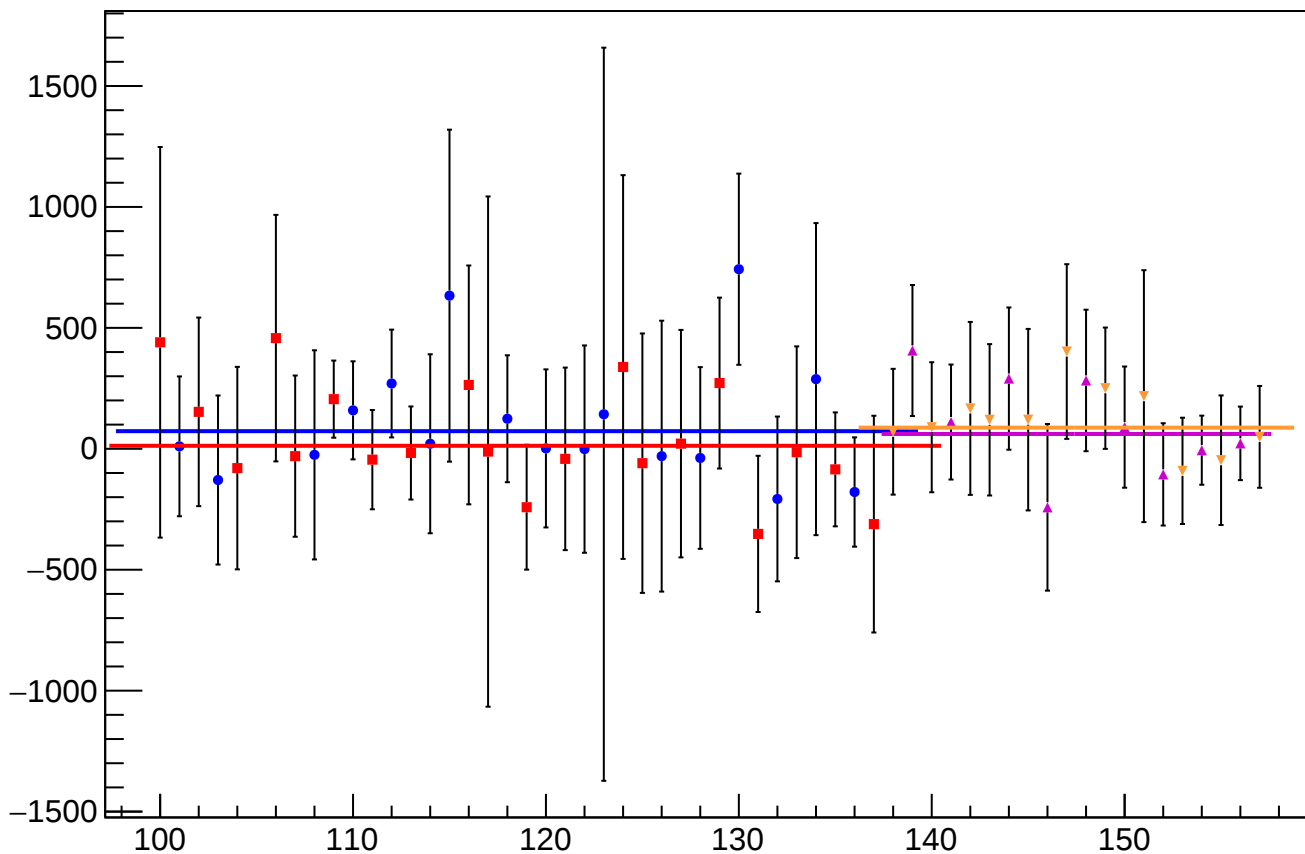
Left In: 16.900 $\pm$ 0.004 χ^2/NDF : 24600.3/8

17.385 $\pm$ 0.003 χ^2/NDF : 74772.2/27

17.388 $\pm$ 0.002 χ^2/NDF : 151320.3/56

17.391 $\pm$ 0.003 χ^2/NDF : 76546.2/28

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: 87.514 $\pm$ 85.053 χ^2 /NDF: 2.3/10

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

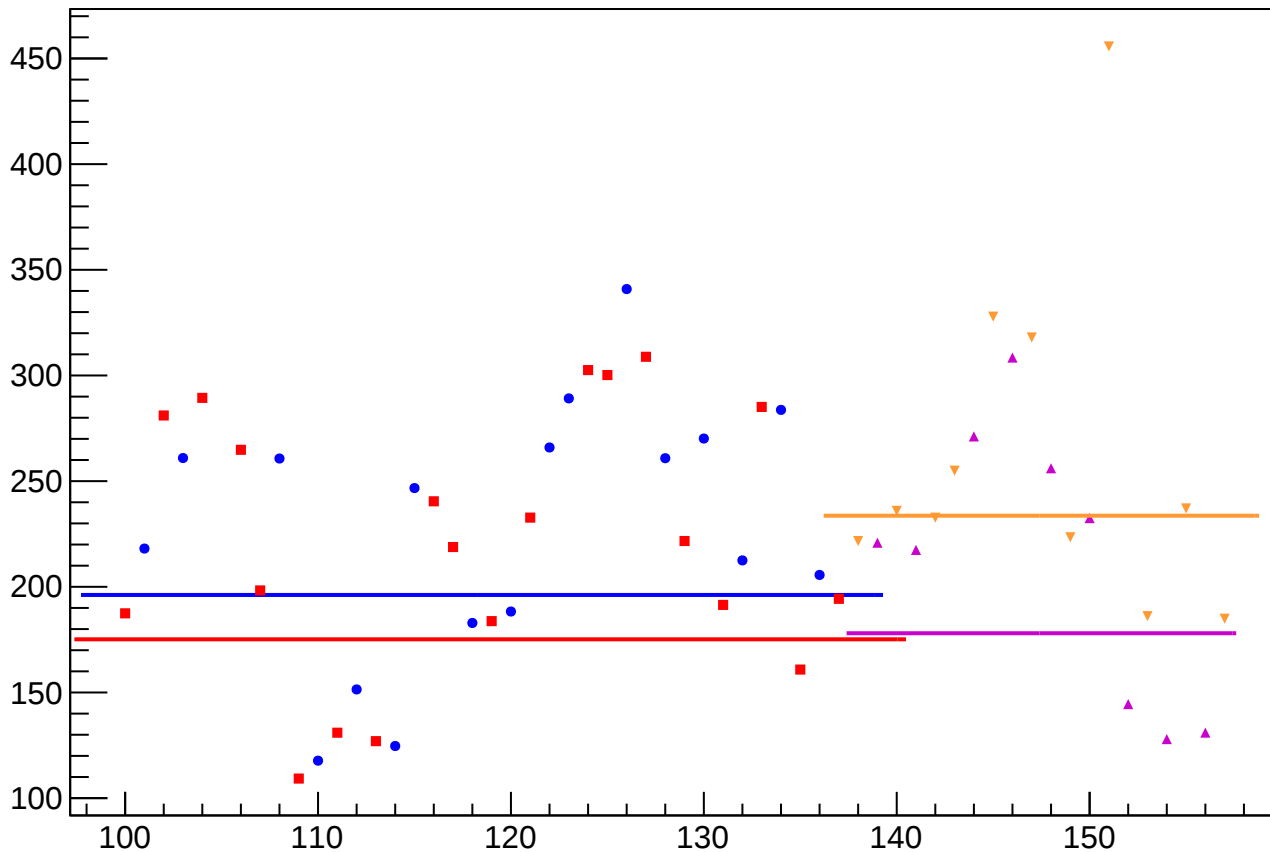
Left In: 61.318 $\pm$ 71.883 χ^2 /NDF: 4.5/8

79.749 $\pm$ 58.253 χ^2 /NDF: 9.5/27

55.060 $\pm$ 38.141 χ^2 /NDF: 21.3/56

36.534 $\pm$ 50.461 χ^2 /NDF: 11.5/28

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: 233.647 $\pm$ 0.060 χ^2 /NDF: 816730.7/10

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

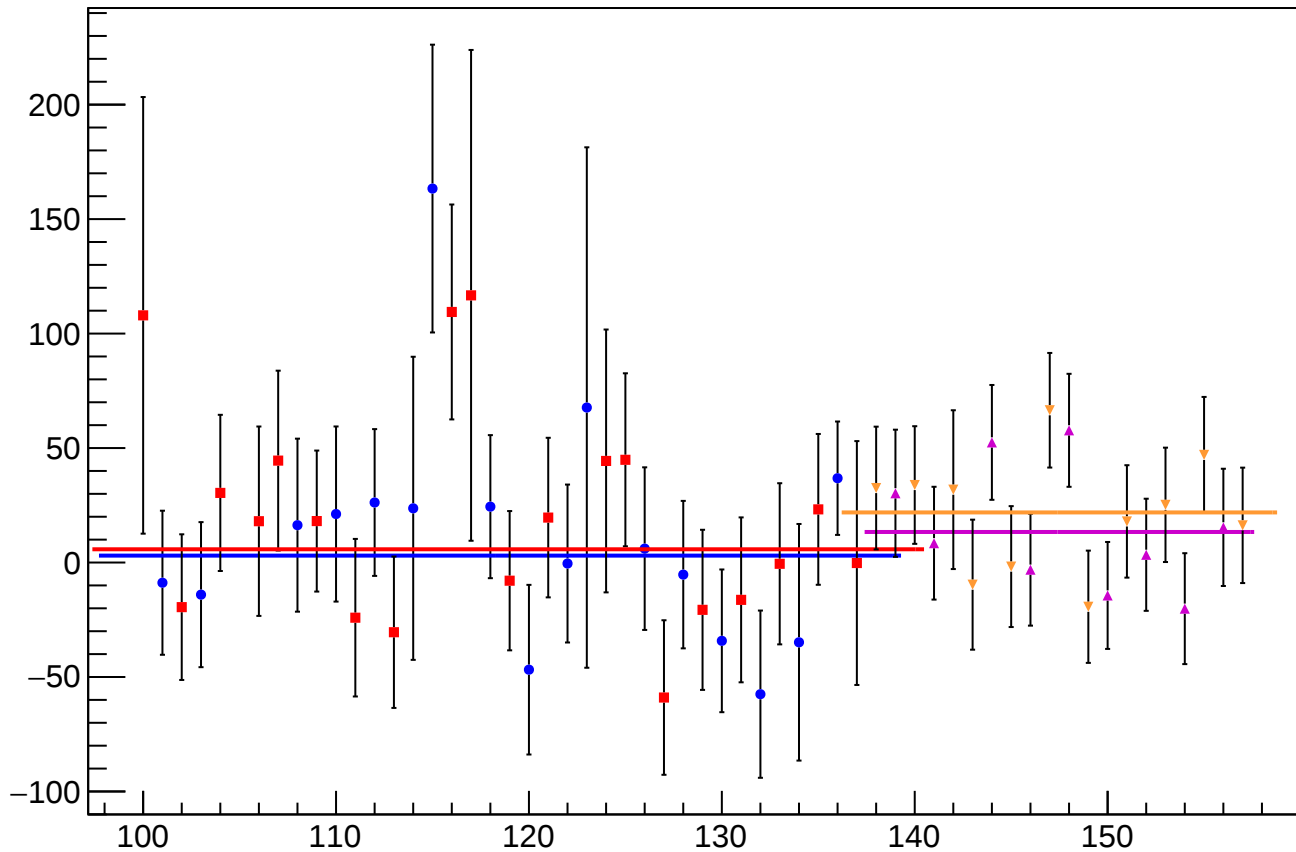
Left In: 178.033 $\pm$ 0.051 χ^2 /NDF: 1316505.3/8

213.740 $\pm$ 0.041 χ^2 /NDF: 1988098.4/27

192.508 $\pm$ 0.027 χ^2 /NDF: 5285660.8/56

176.577 $\pm$ 0.036 χ^2 /NDF: 2832521.0/28

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.022 ± 8.751 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 21.881 ± 7.889 $\chi^2/\text{NDF}: 9.6/10$

Right Out: 5.786 ± 8.451 $\chi^2/\text{NDF}: 18.3/19$

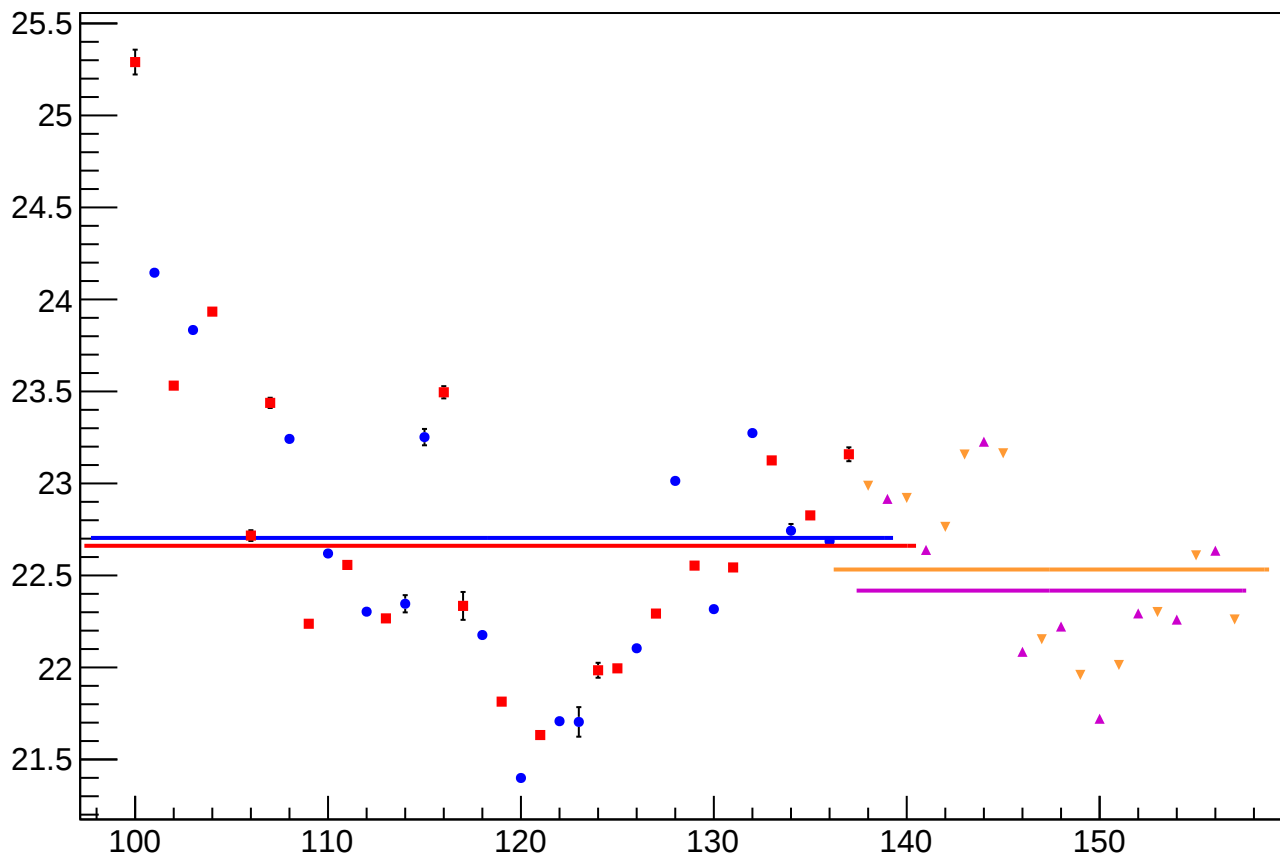
Left In: 13.343 ± 8.282 $\chi^2/\text{NDF}: 10.0/8$

13.426 ± 5.860 $\chi^2/\text{NDF}: 29.3/27$

11.551 ± 4.163 $\chi^2/\text{NDF}: 58.2/56$

9.641 ± 5.915 $\chi^2/\text{NDF}: 28.7/28$

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: 22.532+/-0.006 χ^2/NDF : 6101.3/10

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

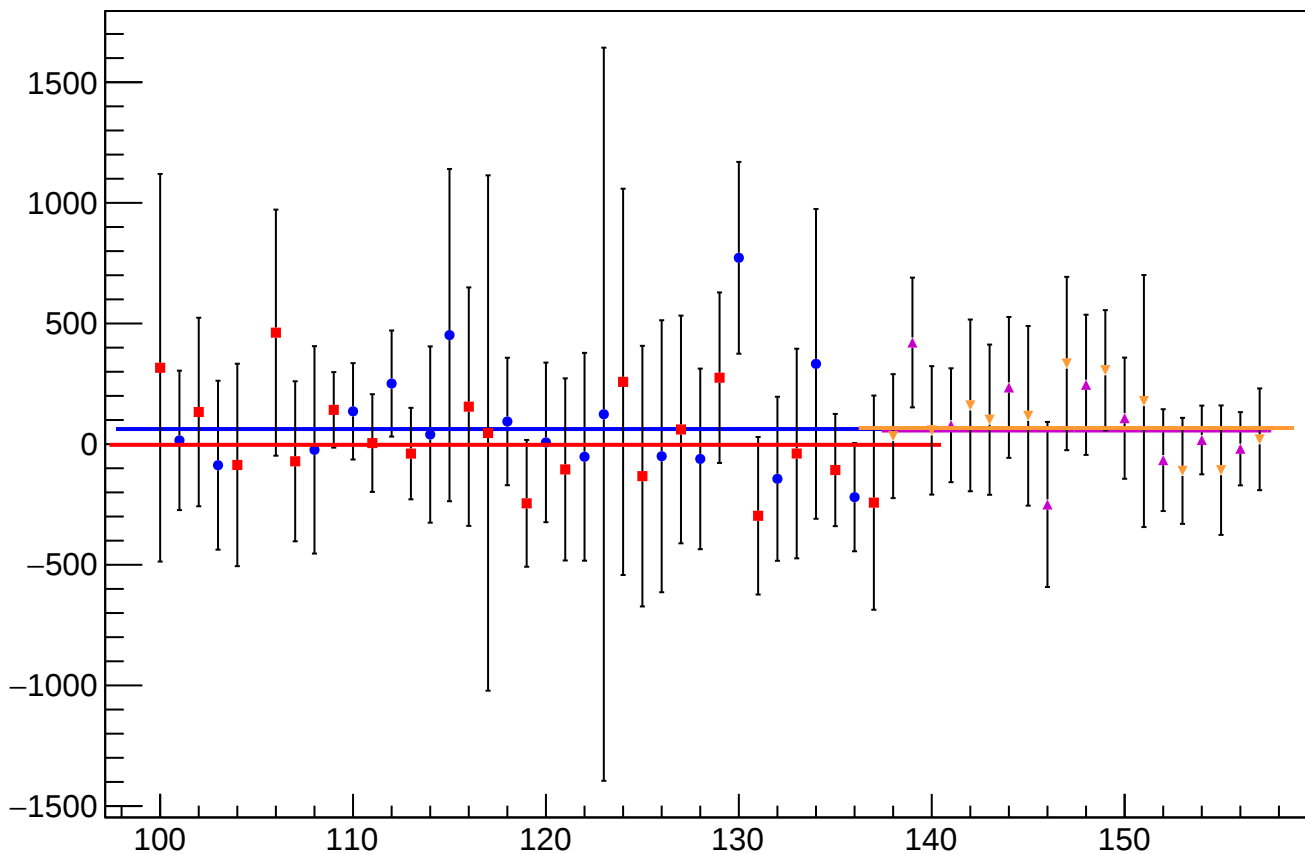
Left In: 22.418+/-0.006 χ^2/NDF : 5440.2/8

22.609+/-0.004 χ^2/NDF : 20631.6/27

22.573+/-0.003 χ^2/NDF : 40032.3/56

22.537+/-0.004 χ^2/NDF : 19249.8/28

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: 66.787+/-84.724 χ^2/NDF : 2.8/10

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

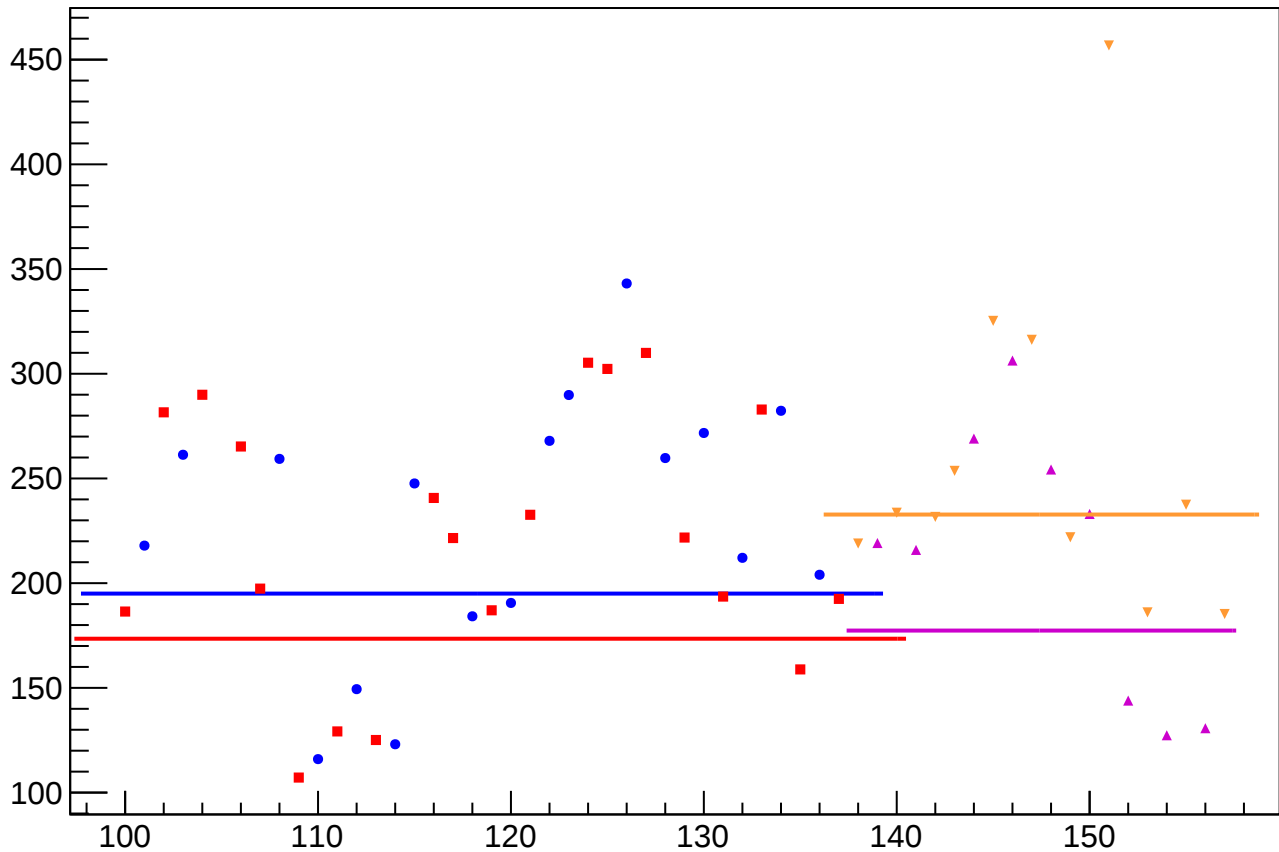
Left In: 56.492+/-71.613 χ^2/NDF : 4.2/8

64.549+/-58.014 χ^2/NDF : 9.8/27

42.680+/-37.957 χ^2/NDF : 19.8/56

26.312+/-50.191 χ^2/NDF : 9.7/28

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 232.768 $\pm$ 0.060 χ^2 /NDF: 810433.9/10

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

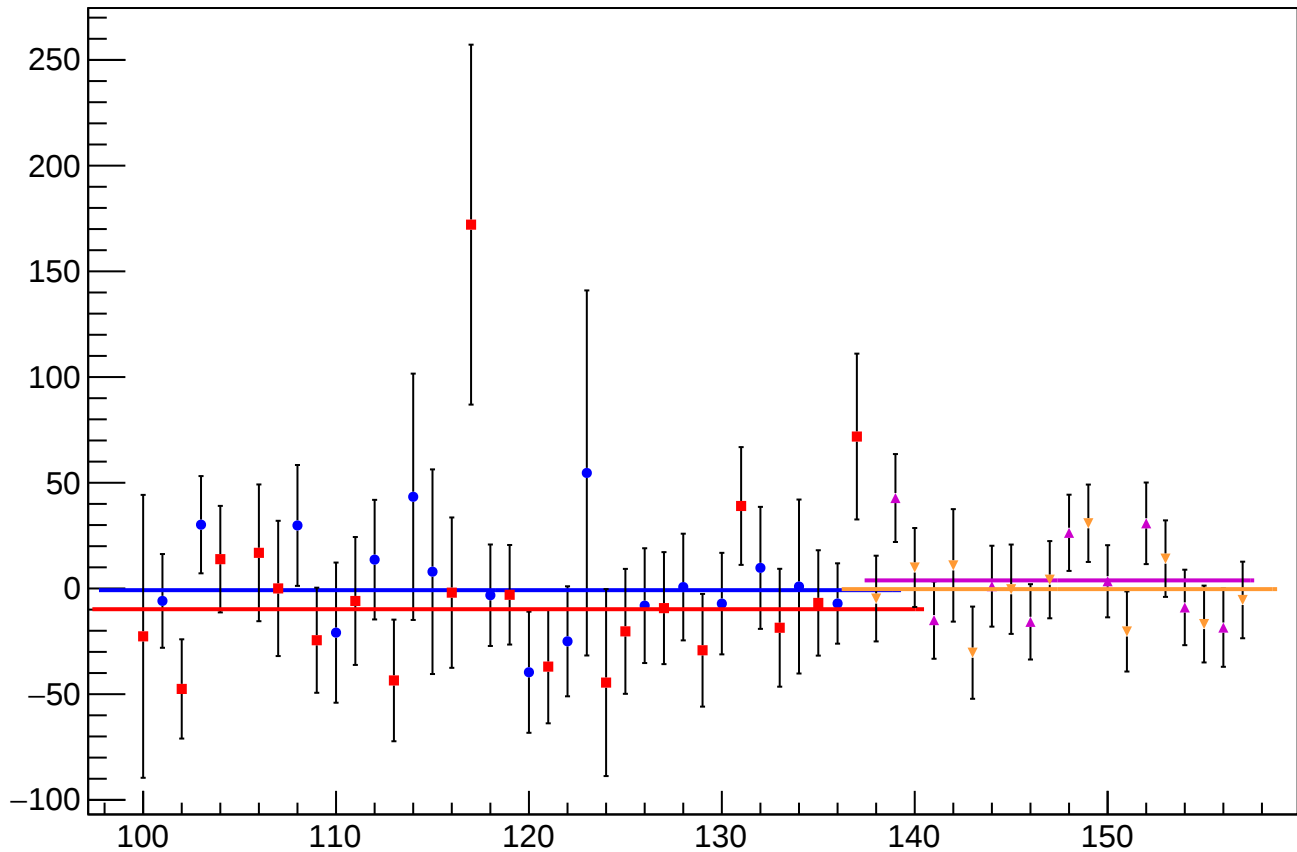
Left In: 177.364 $\pm$ 0.051 χ^2 /NDF: 1307182.7/8

212.720 $\pm$ 0.041 χ^2 /NDF: 2025559.2/27

191.366 $\pm$ 0.027 χ^2 /NDF: 5391789.7/56

175.384 $\pm$ 0.035 χ^2 /NDF: 2892463.5/28

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: -0.308 ± 5.877 χ^2/NDF : 8.0/10

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

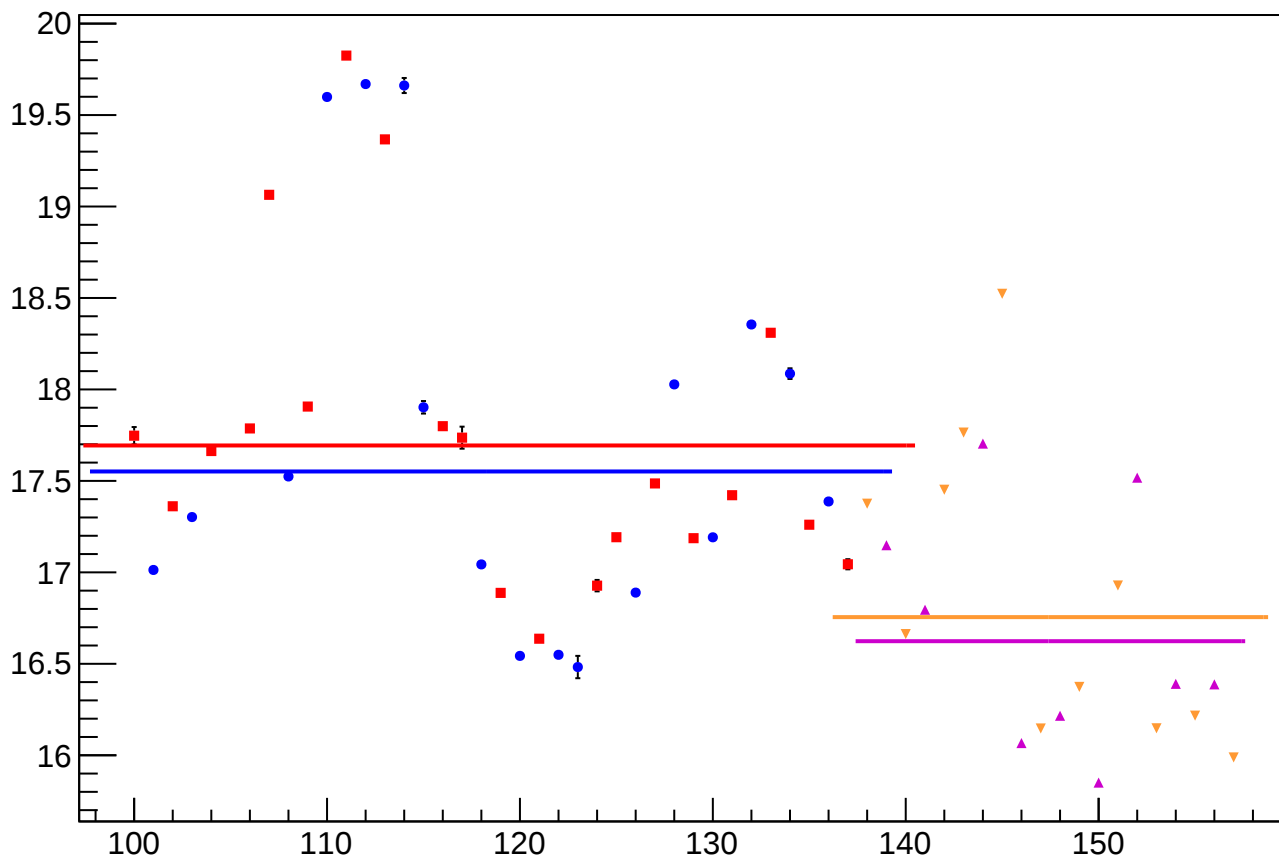
Left In: 3.824 ± 6.151 χ^2/NDF : 11.3/8

-0.520 ± 4.438 χ^2/NDF : 15.8/27

-1.499 ± 3.161 χ^2/NDF : 50.0/56

-2.507 ± 4.502 χ^2/NDF : 34.1/28

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 16.755 $\pm$ 0.004 χ^2 /NDF:32421.6/10

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

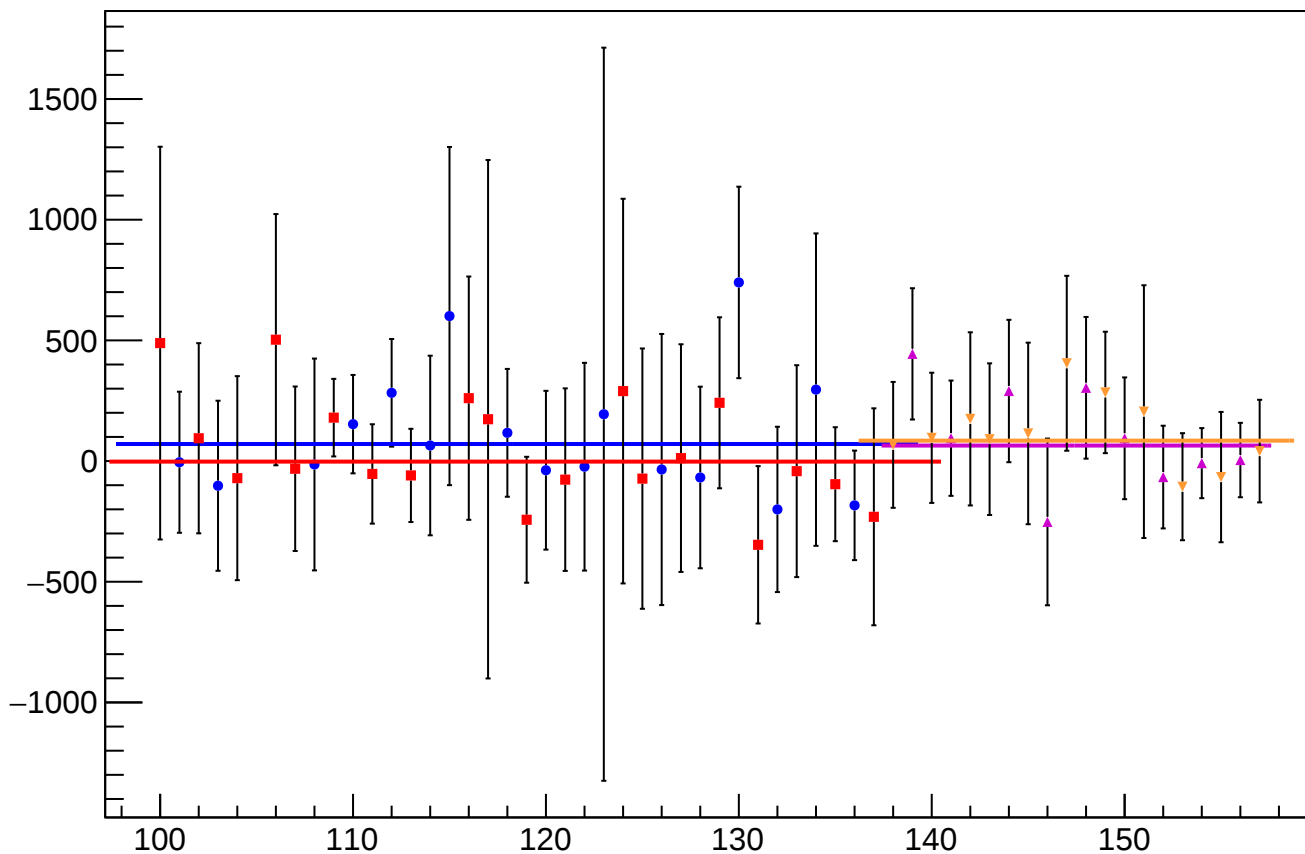
Left In: 16.624 $\pm$ 0.004 χ^2 /NDF:19866.5/8

17.097 $\pm$ 0.003 χ^2 /NDF: 82228.1/27

17.109 $\pm$ 0.002 χ^2 /NDF: 160964.7/56

17.121 $\pm$ 0.003 χ^2 /NDF: 78709.8/28

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: 84.646+/-85.542 χ^2/NDF : 2.6/10

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

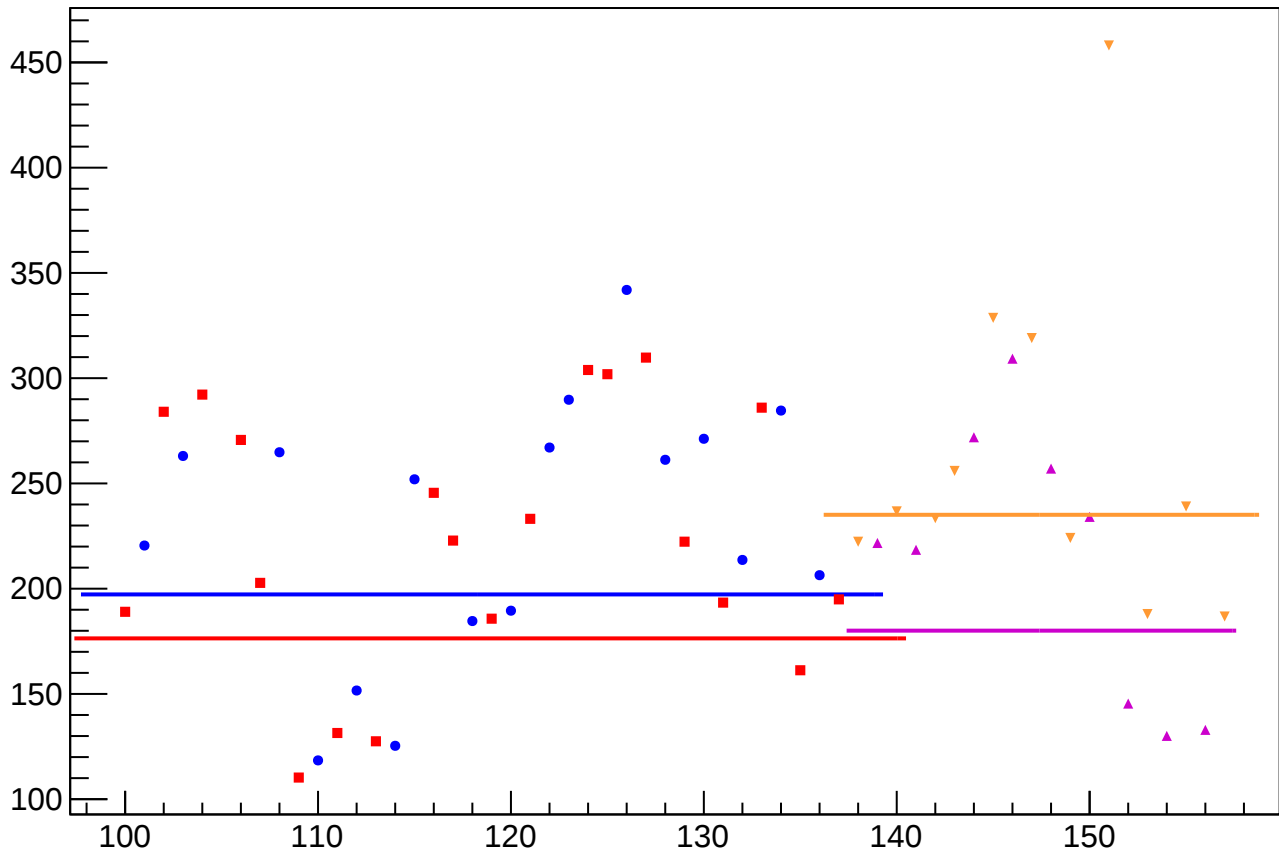
Left In: 64.259+/-72.580 χ^2/NDF : 4.9/8

77.207+/-58.588 χ^2/NDF : 9.9/27

50.535+/-38.416 χ^2/NDF : 21.7/56

30.418+/-50.881 χ^2/NDF : 11.5/28

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: 235.098 $\pm$ 0.060 χ^2/NDF :805462.4/10

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

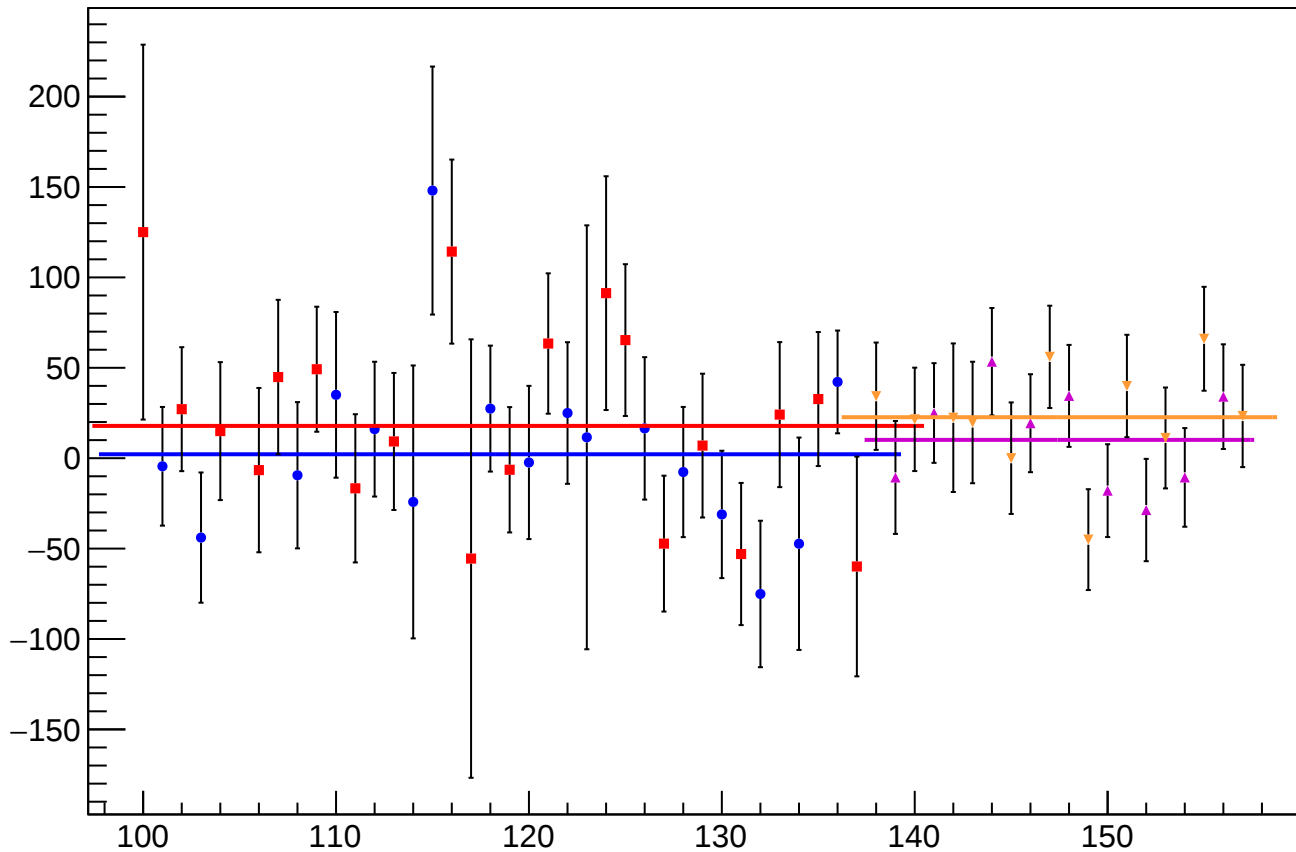
Left In: 180.064 $\pm$ 0.051 χ^2/NDF :1278726.6/8

215.016 $\pm$ 0.041 χ^2/NDF : 1982637.1/27

194.025 $\pm$ 0.027 χ^2/NDF : 5237776.0/56

178.194 $\pm$ 0.036 χ^2/NDF : 2804805.6/28

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 22.675 ± 8.975 χ^2/NDF : 10.8/10

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

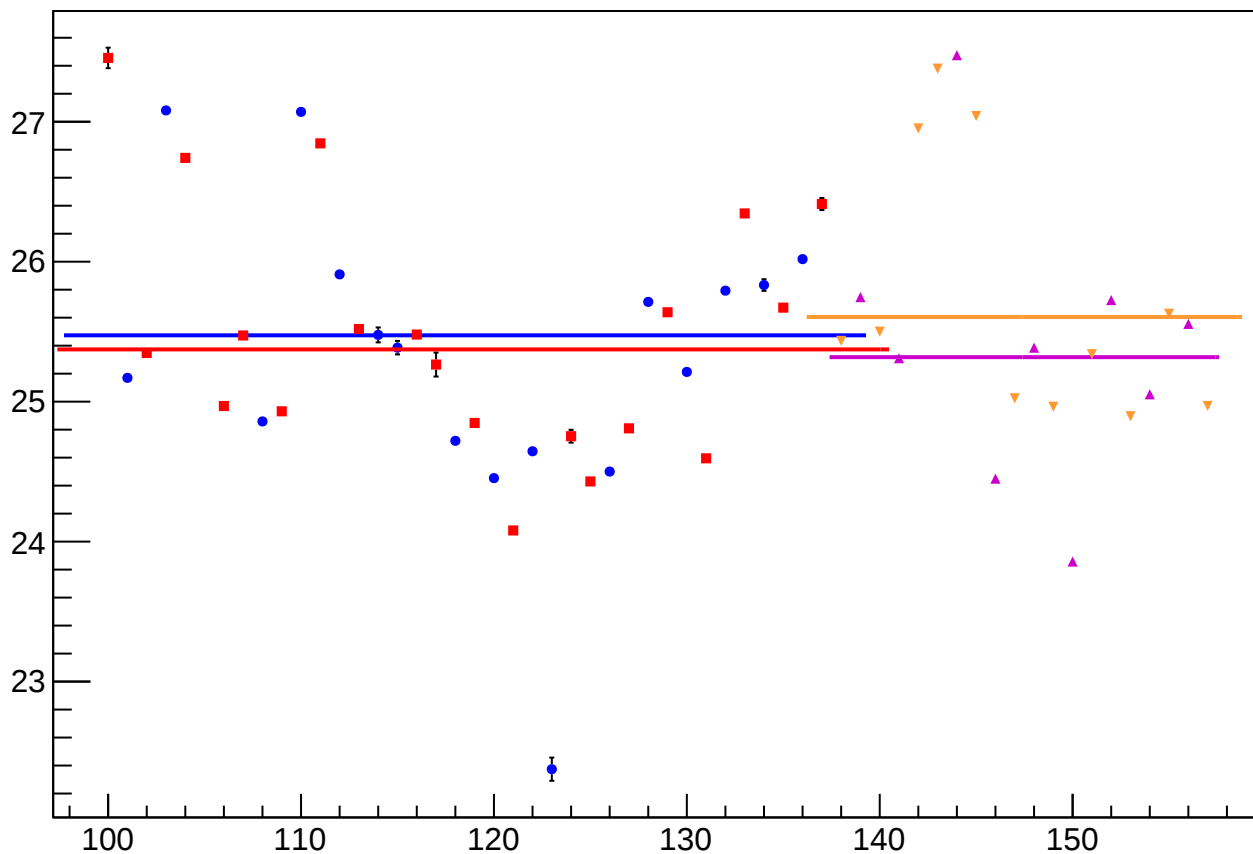
Left In: 10.138 ± 9.367 χ^2/NDF : 8.1/8

13.351 ± 6.626 χ^2/NDF : 28.6/27

13.655 ± 4.697 χ^2/NDF : 56.9/56

13.962 ± 6.659 χ^2/NDF : 28.3/28

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.474+/-0.007 χ^2/NDF : 14061.2/16

Left Out: 25.605+/-0.006 χ^2/NDF : 16533.7/10

Right Out: 25.373+/-0.007 χ^2/NDF : 13582.8/19

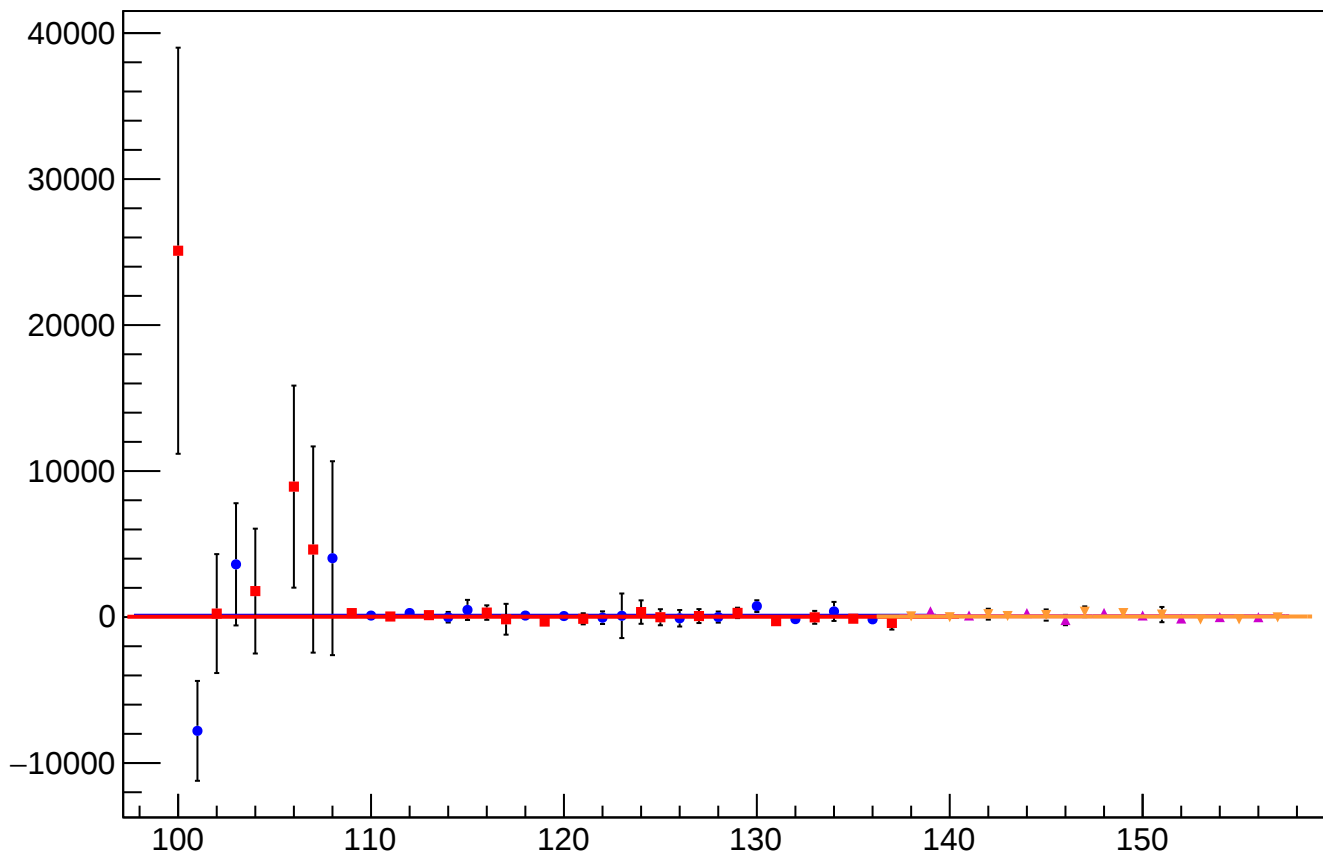
Left In: 25.318+/-0.007 χ^2/NDF : 20210.9/8

25.545+/-0.005 χ^2/NDF : 30788.4/27

25.446+/-0.003 χ^2/NDF : 65522.9/56

25.345+/-0.005 χ^2/NDF : 33828.3/28

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: 38.191+/-87.349 χ^2/NDF : 3.4/10

Right Out: 21.600+/-80.665 χ^2/NDF : 11.9/19

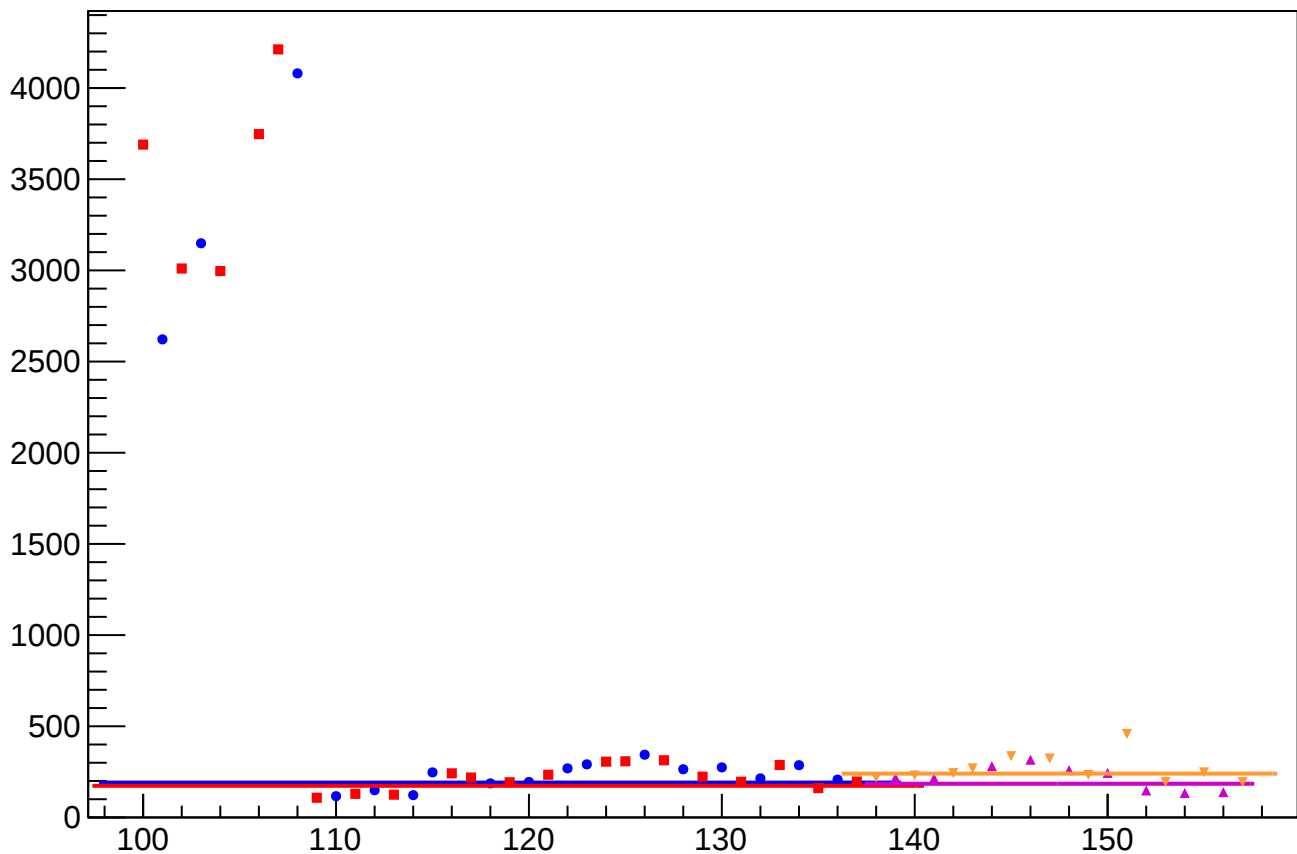
Left In: 60.672+/-74.281 χ^2/NDF : 4.2/8

63.822+/-61.864 χ^2/NDF : 15.8/27

51.981+/-40.954 χ^2/NDF : 32.1/56

42.743+/-54.642 χ^2/NDF : 16.2/28

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: 240.355 $\pm$ 0.062 χ^2 /NDF: 778807.0/10

Right Out: 173.536 $\pm$ 0.057 χ^2 /NDF: 4210933.2/19

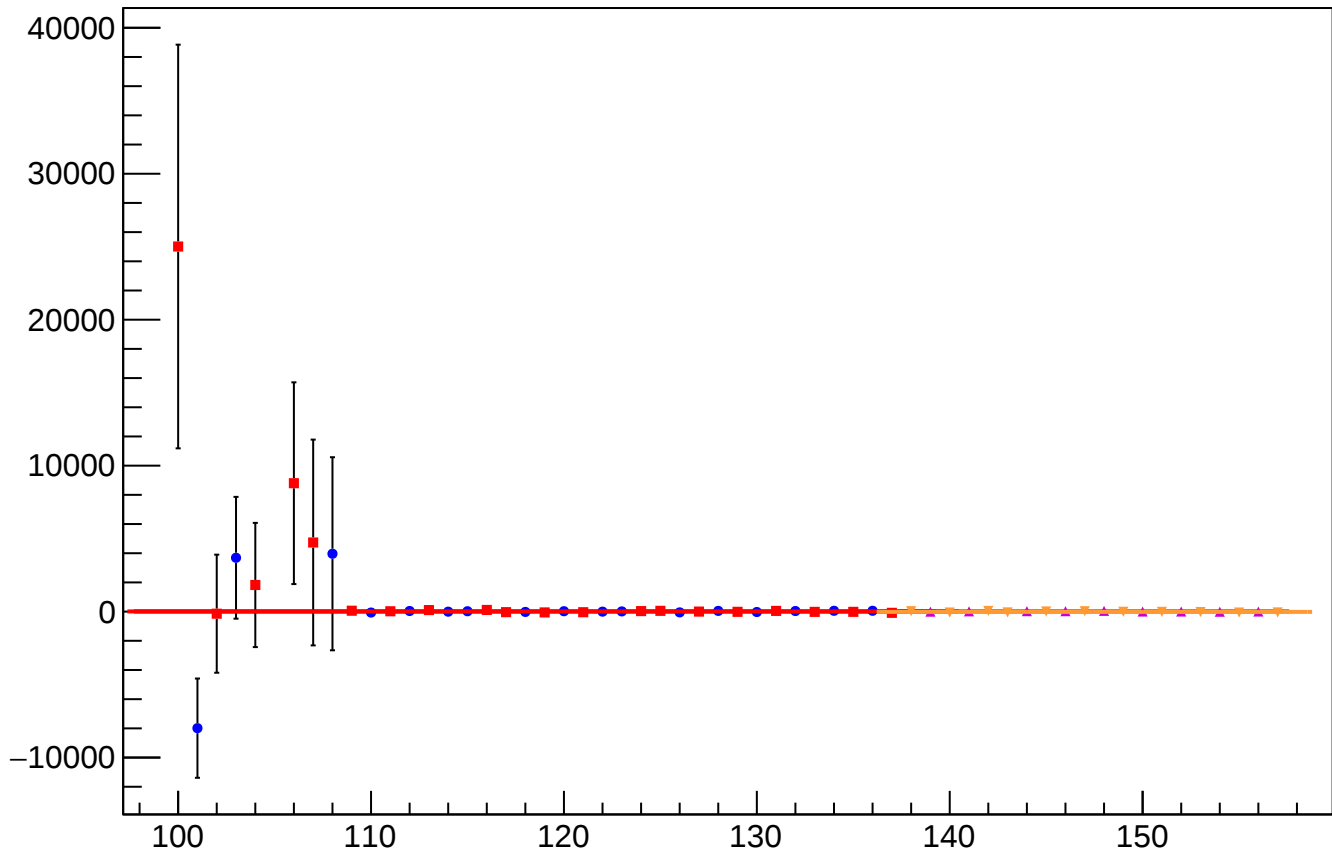
Left In: 184.858 $\pm$ 0.053 χ^2 /NDF: 1215424.7/8

215.852 $\pm$ 0.044 χ^2 /NDF: 4666350.7/27

195.523 $\pm$ 0.029 χ^2 /NDF: 10498485.3/56

179.663 $\pm$ 0.039 χ^2 /NDF: 5447676.5/28

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: -18.665+/-10.554 χ^2/NDF : 11.9/10

Right Out: 12.573+/-12.182 χ^2/NDF : 24.5/19

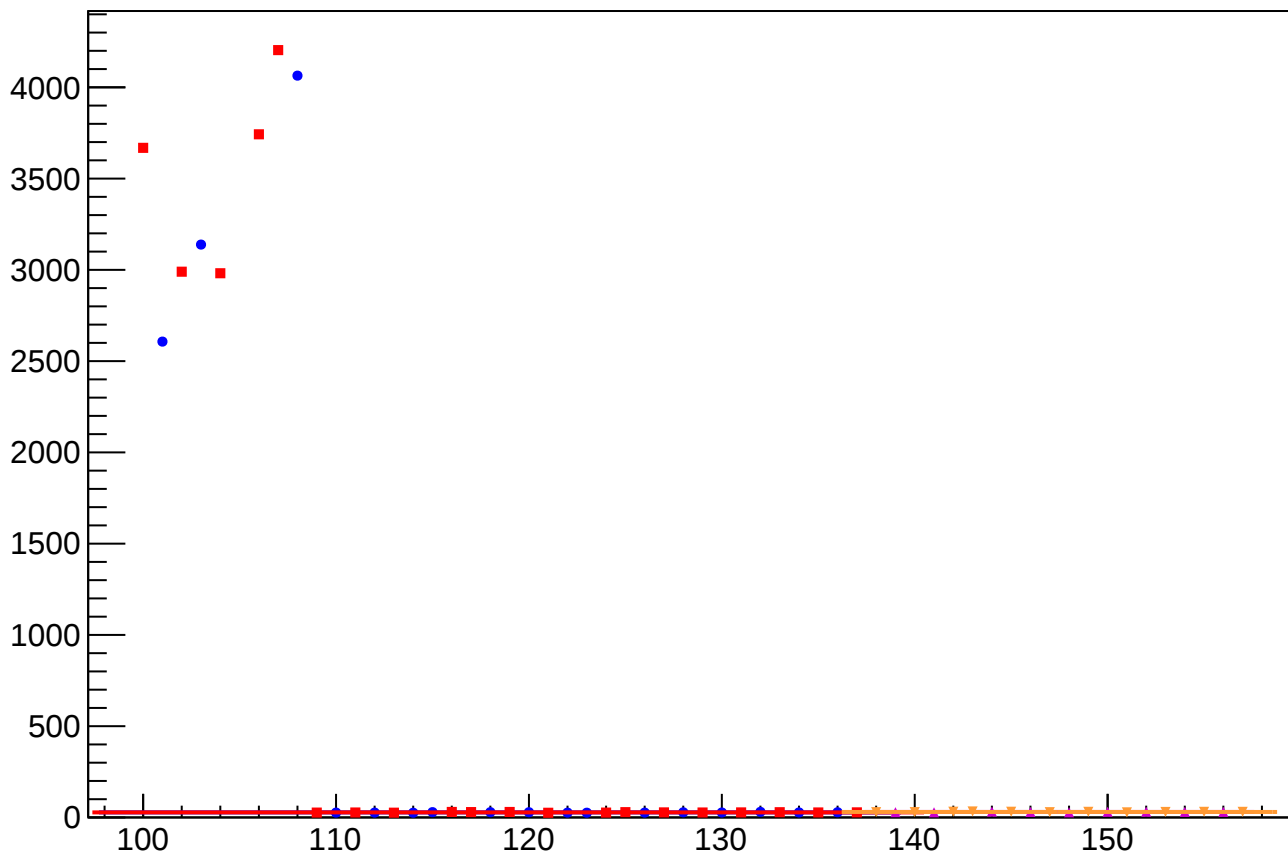
Left In: 16.020+/-11.171 χ^2/NDF : 2.7/8

-6.213+/-7.979 χ^2/NDF : 33.4/27

3.792+/-5.730 χ^2/NDF : 63.9/56

14.445+/-8.233 χ^2/NDF : 27.2/28

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.837+/-0.009 χ^2/NDF : 3026887.2/16

Left Out: 30.065+/-0.007 χ^2/NDF :31308.5/10

Right Out: 27.706+/-0.009 χ^2/NDF : 3477080.4/19

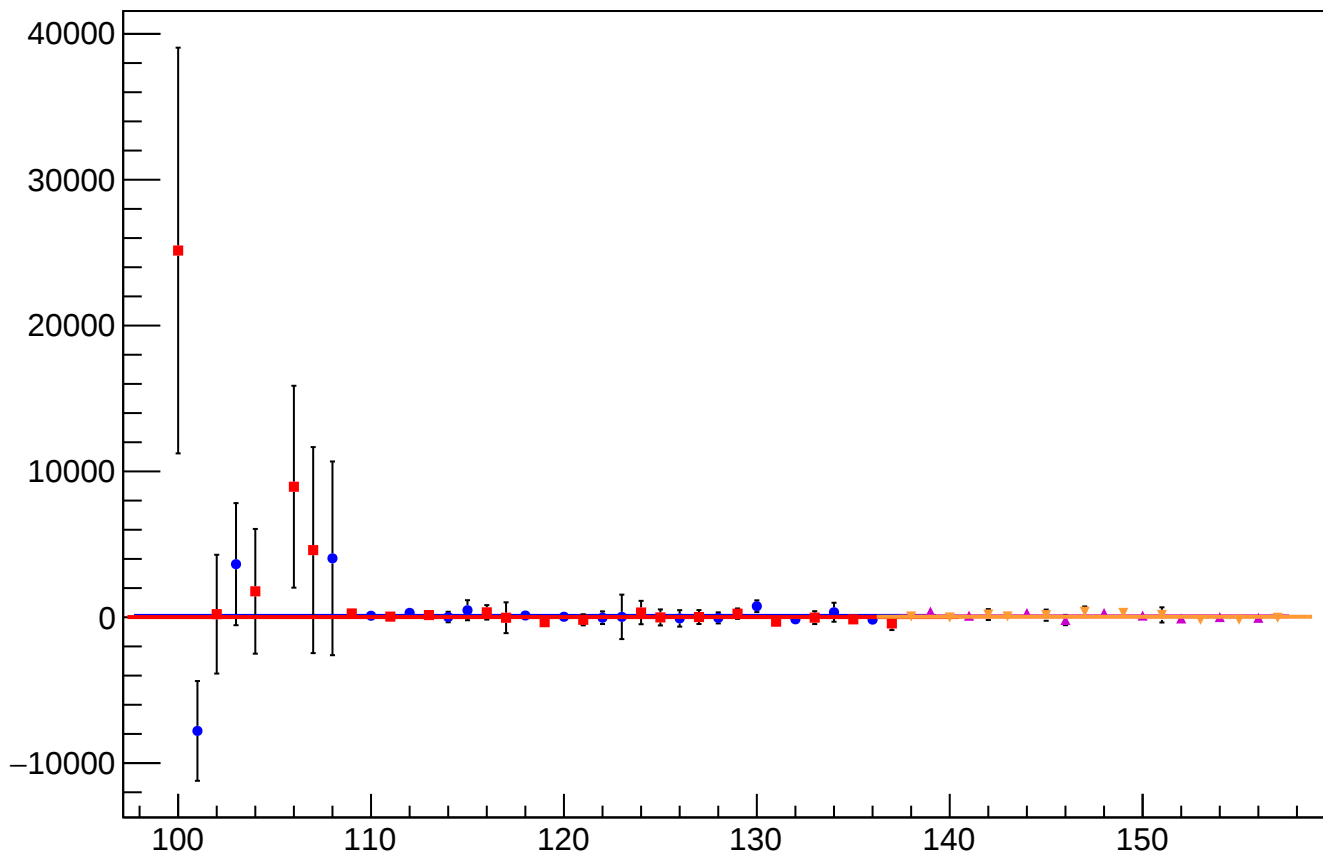
Left In: 30.134+/-0.008 χ^2/NDF :31313.7/8

29.110+/-0.006 χ^2/NDF : 3096404.2/27

29.069+/-0.004 χ^2/NDF : 6648037.7/56

29.025+/-0.006 χ^2/NDF : 3551522.4/28

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: 35.437+/-87.150 χ^2/NDF : 3.8/10

Right Out: 12.509+/-80.407 χ^2/NDF : 12.7/19

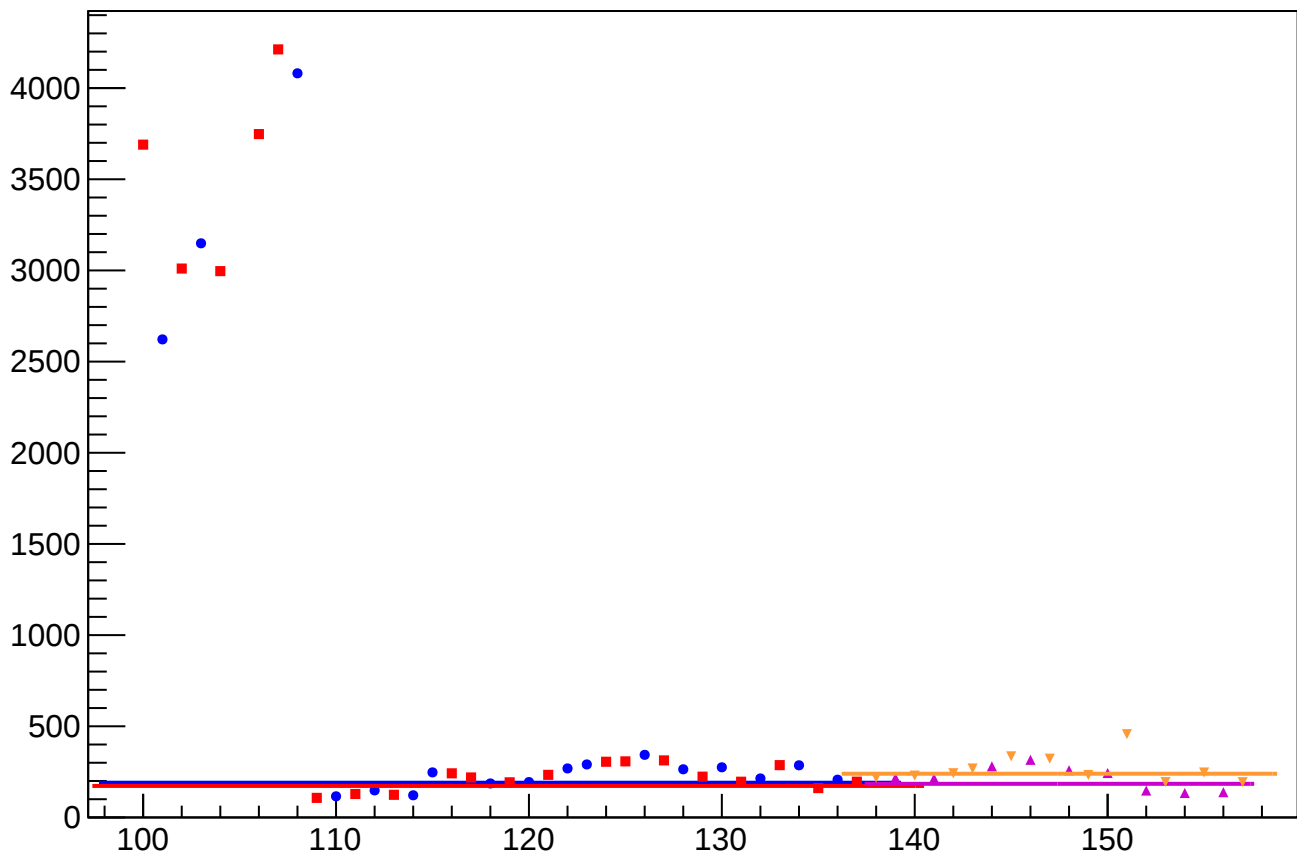
Left In: 64.292+/-74.126 χ^2/NDF : 4.3/8

64.070+/-61.698 χ^2/NDF : 16.6/27

50.832+/-40.846 χ^2/NDF : 33.9/56

40.502+/-54.500 χ^2/NDF : 17.2/28

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: 239.807+/-0.062 χ^2/NDF : 778989.1/10

Right Out: 172.872+/-0.057 χ^2/NDF : 422275.2/19

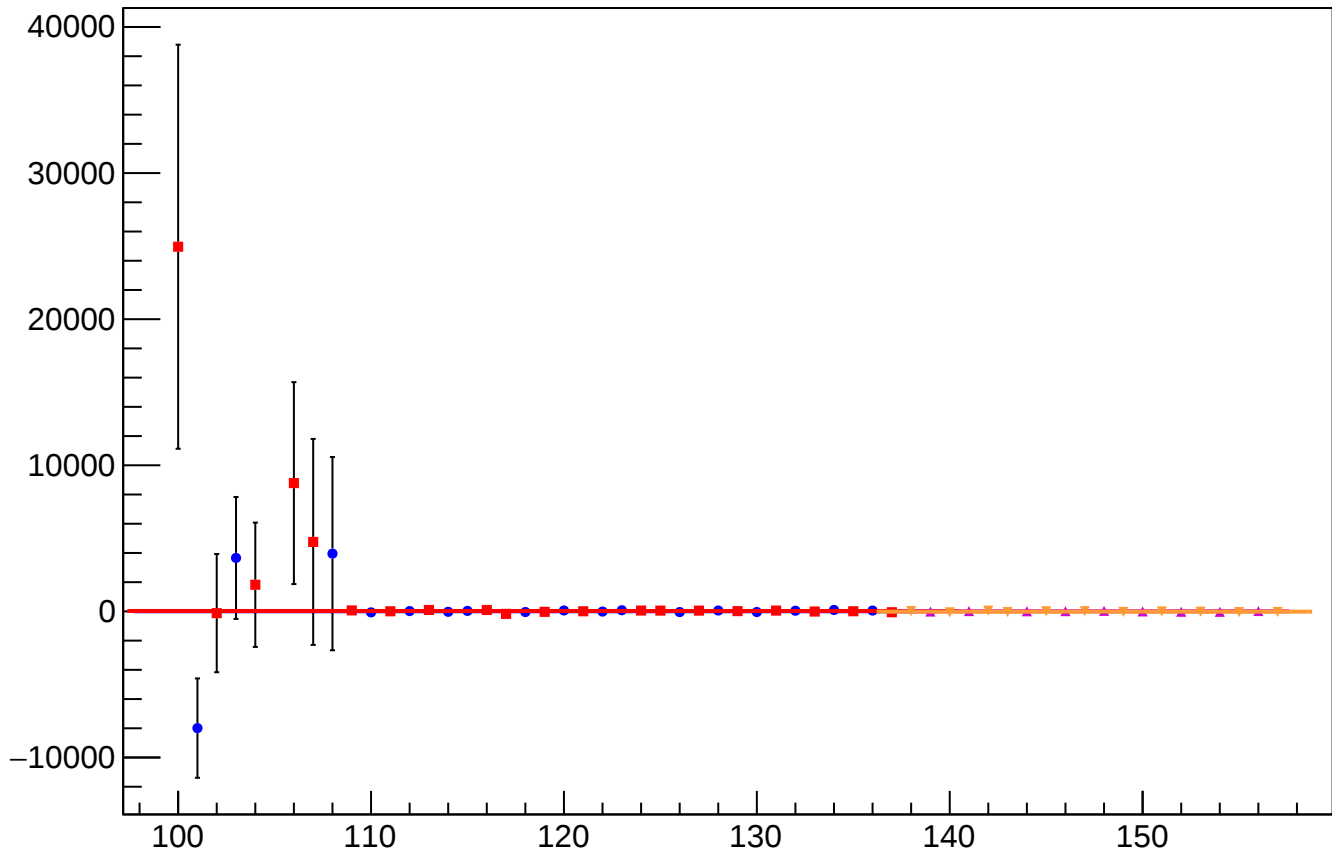
Left In: 184.479+/-0.052 χ^2/NDF : 1214759.8/8

215.205+/-0.044 χ^2/NDF : 4682086.0/27

194.951+/-0.029 χ^2/NDF : 10525377.0/56

179.146+/-0.039 χ^2/NDF : 5459562.4/28

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: -17.321 $\pm$ 10.636 χ^2 /NDF: 8.8/10

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

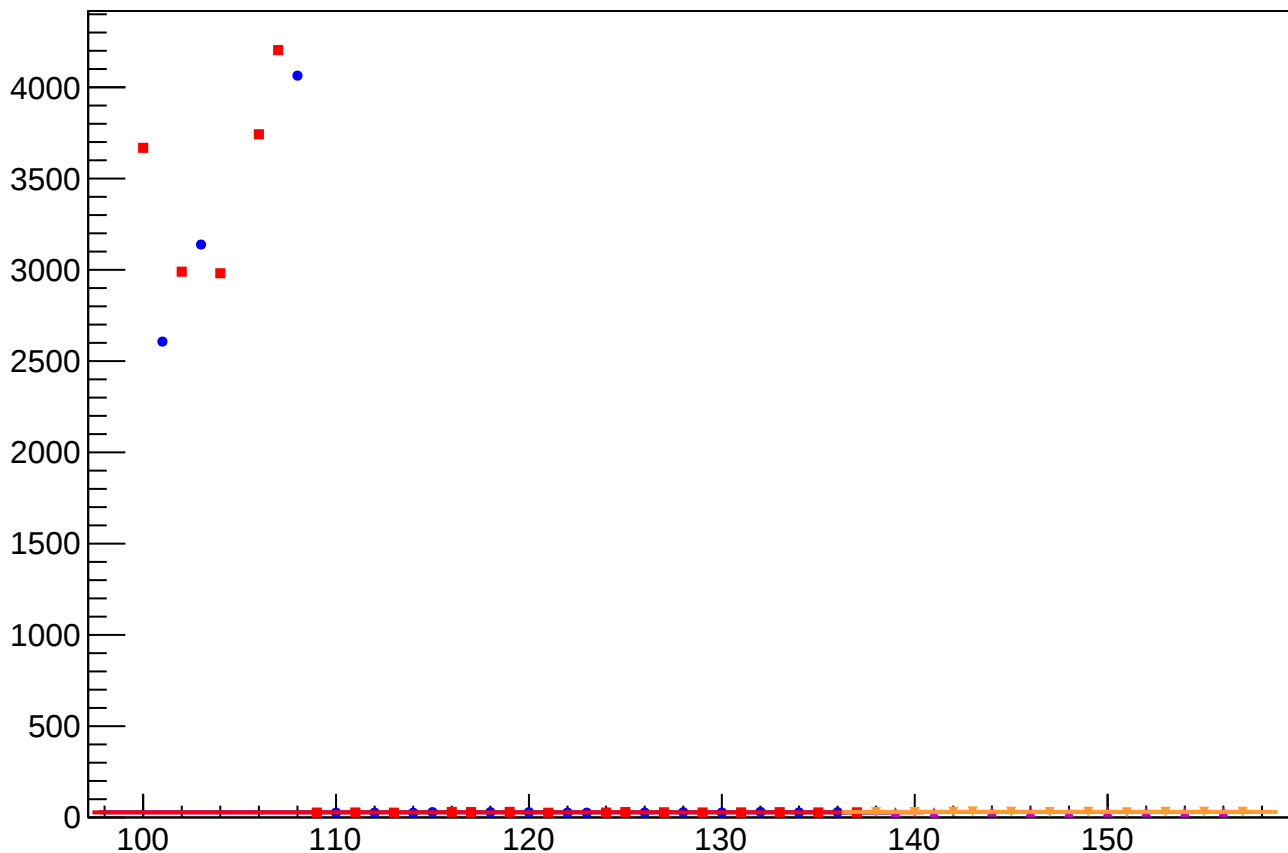
Left In: 8.085 $\pm$ 11.238 χ^2 /NDF: 3.6/8

-5.774 $\pm$ 8.038 χ^2 /NDF: 34.7/27

5.366 $\pm$ 5.771 χ^2 /NDF: 62.3/56

17.219 $\pm$ 8.291 χ^2 /NDF: 23.5/28

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: 30.297+/-0.008 χ^2/NDF : 33312.8/10

Right Out: 27.929+/-0.009 χ^2/NDF : 3479867.7/19

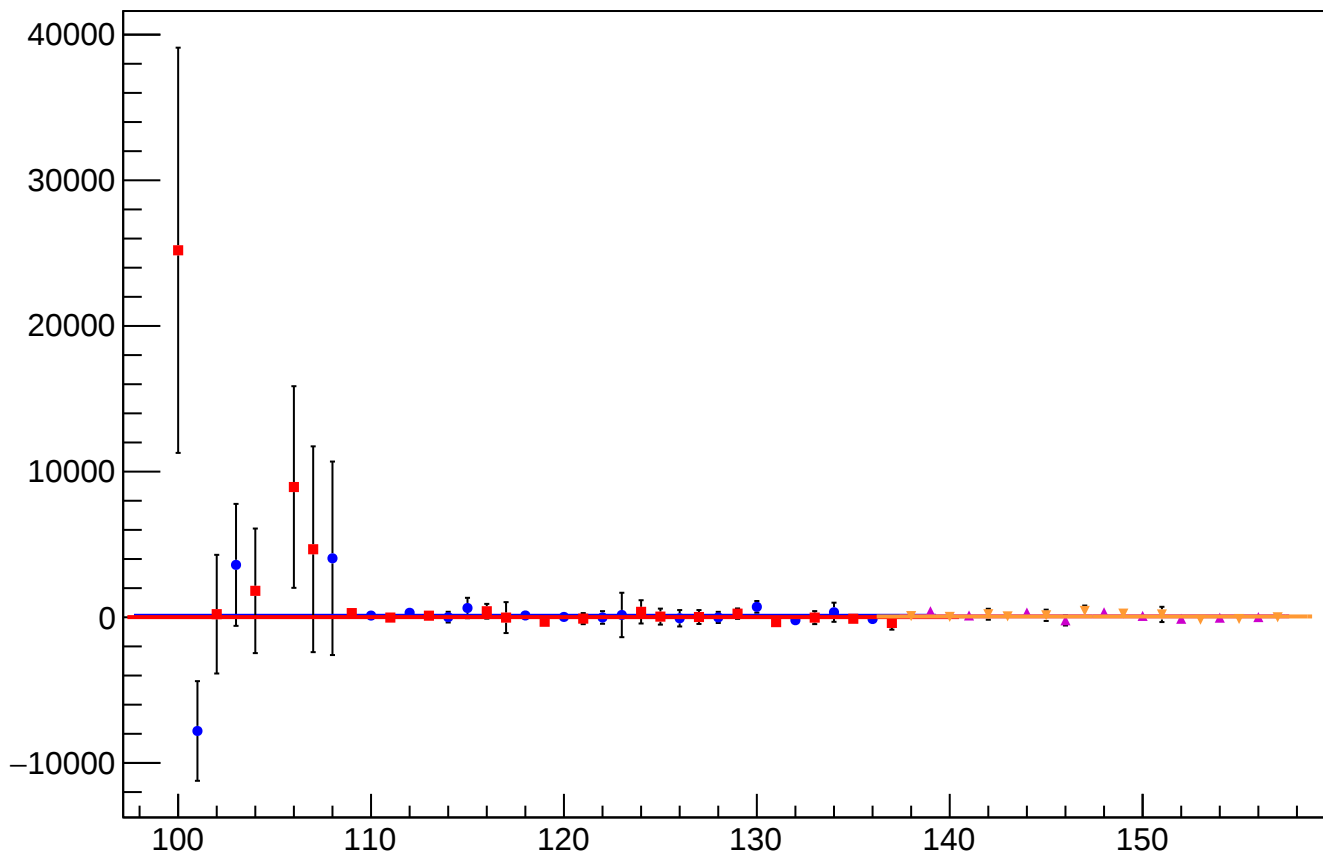
Left In: 30.321+/-0.008 χ^2/NDF : 32088.5/8

29.322+/-0.006 χ^2/NDF : 3099536.8/27

29.278+/-0.004 χ^2/NDF : 6652897.1/56

29.231+/-0.006 χ^2/NDF : 3553236.6/28

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: 56.133 $\pm$ 88.170 χ^2 /NDF: 3.3/10

Right Out: 11.037 $\pm$ 81.486 χ^2 /NDF: 12.3/19

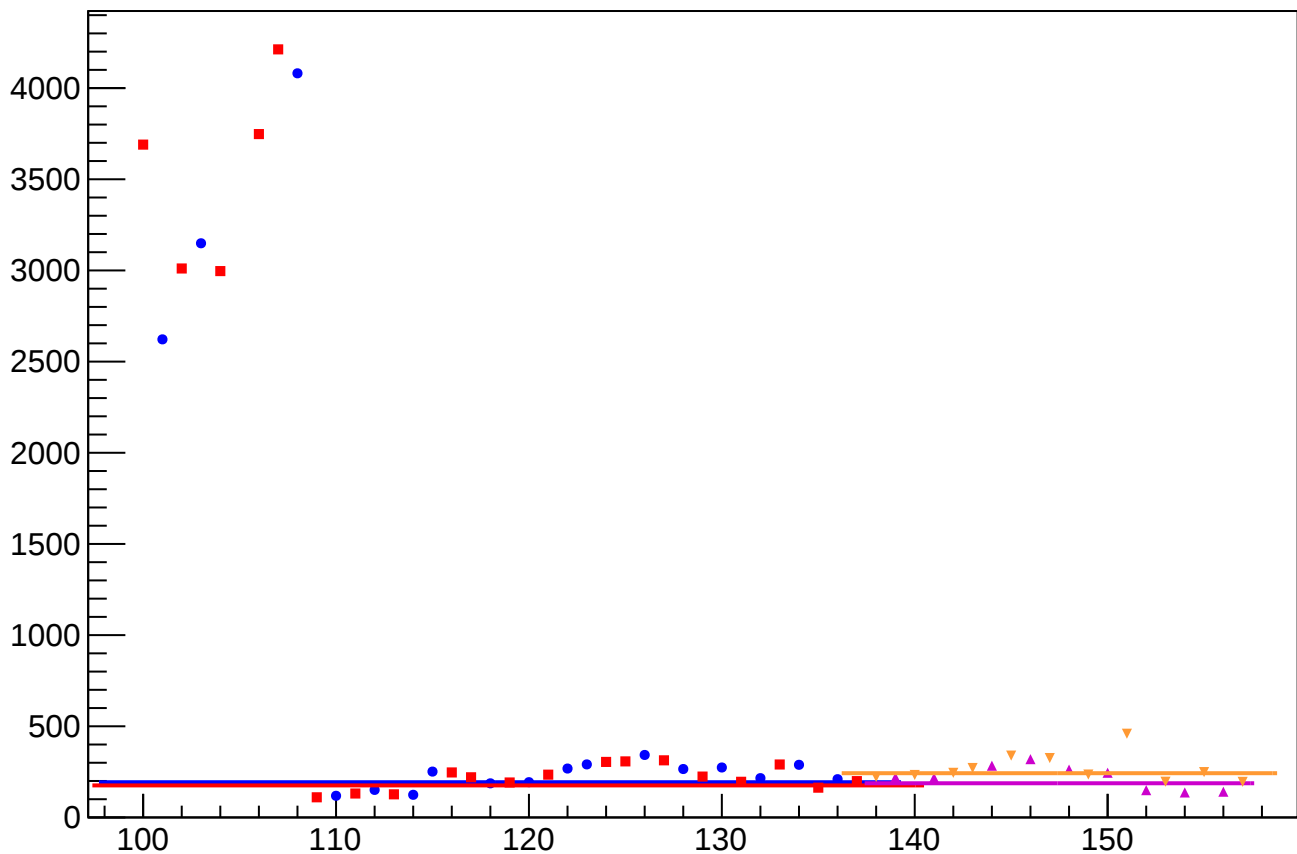
Left In: 68.587 $\pm$ 75.239 χ^2 /NDF: 5.0/8

78.896 $\pm$ 62.423 χ^2 /NDF: 15.8/27

58.274 $\pm$ 41.385 χ^2 /NDF: 33.5/56

42.102 $\pm$ 55.279 χ^2 /NDF: 17.5/28

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: 242.709 $\pm$ 0.062 χ^2 /NDF: 772438.4/10

Right Out: 175.749 $\pm$ 0.058 χ^2 /NDF: 4168935.2/19

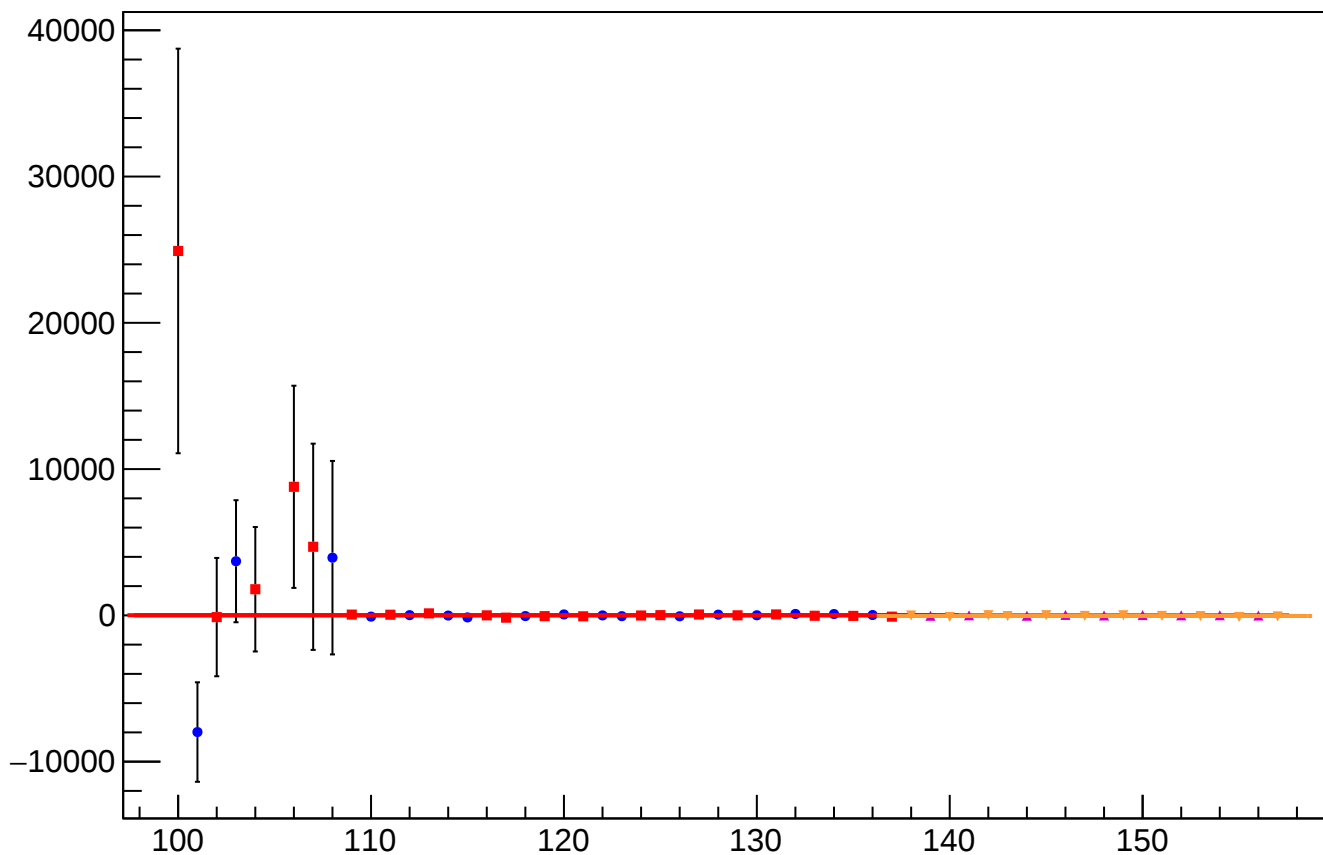
Left In: 187.542 $\pm$ 0.053 χ^2 /NDF: 1189002.0/8

218.011 $\pm$ 0.044 χ^2 /NDF: 4623201.3/27

197.892 $\pm$ 0.029 χ^2 /NDF: 10374425.0/56

182.115 $\pm$ 0.039 χ^2 /NDF: 5380546.0/28

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.651+/-14.935 χ^2/NDF : 20.4/16

Left Out: -42.619+/-12.463 χ^2/NDF : 11.0/10

Right Out: 11.101+/-14.886 χ^2/NDF : 22.7/19

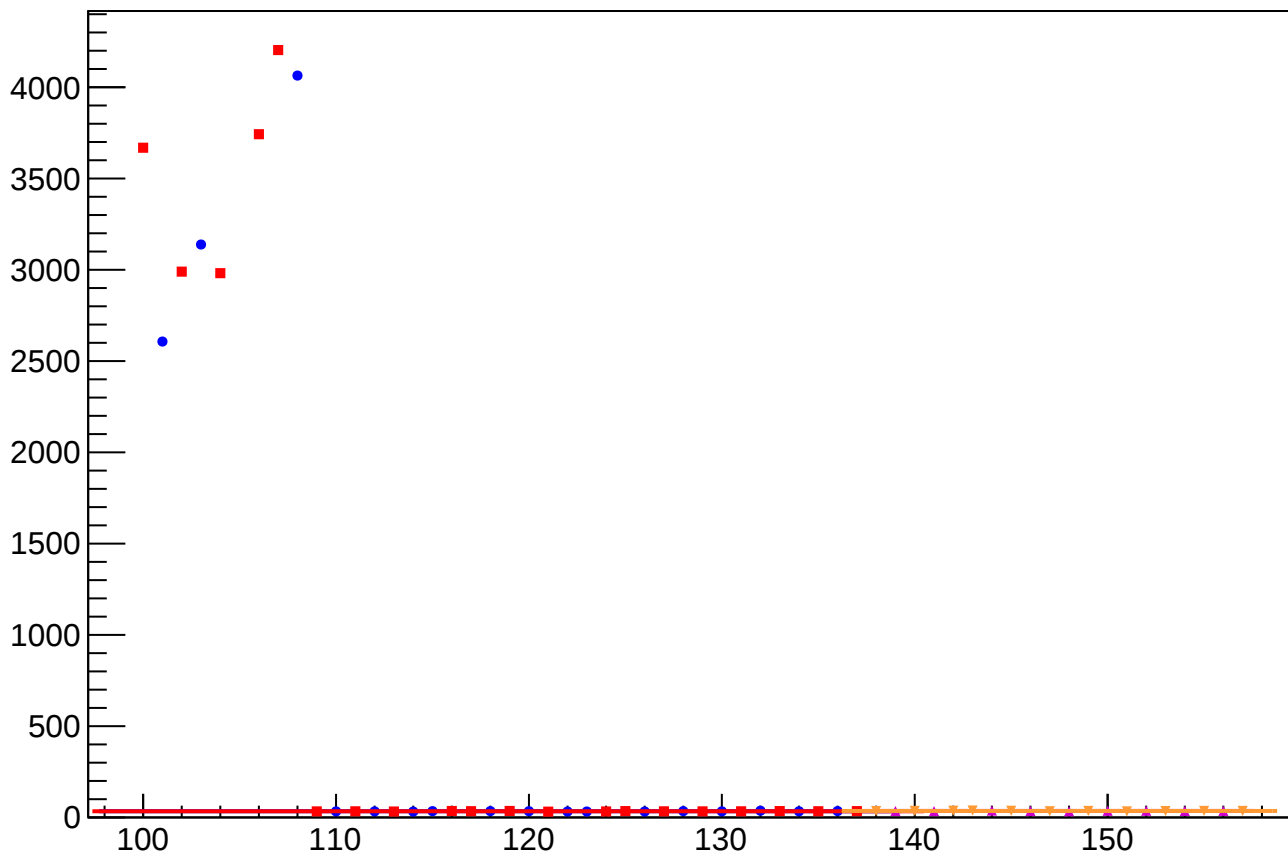
Left In: 2.195+/-13.196 χ^2/NDF : 1.9/8

-23.214+/-9.569 χ^2/NDF : 37.3/27

-9.011+/-6.872 χ^2/NDF : 66.7/56

6.115+/-9.875 χ^2/NDF : 24.8/28

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: 35.547 $\pm$ 0.009 χ^2 /NDF:19400.4/10

Right Out: 33.915 $\pm$ 0.011 χ^2 /NDF: 3451897.1/19

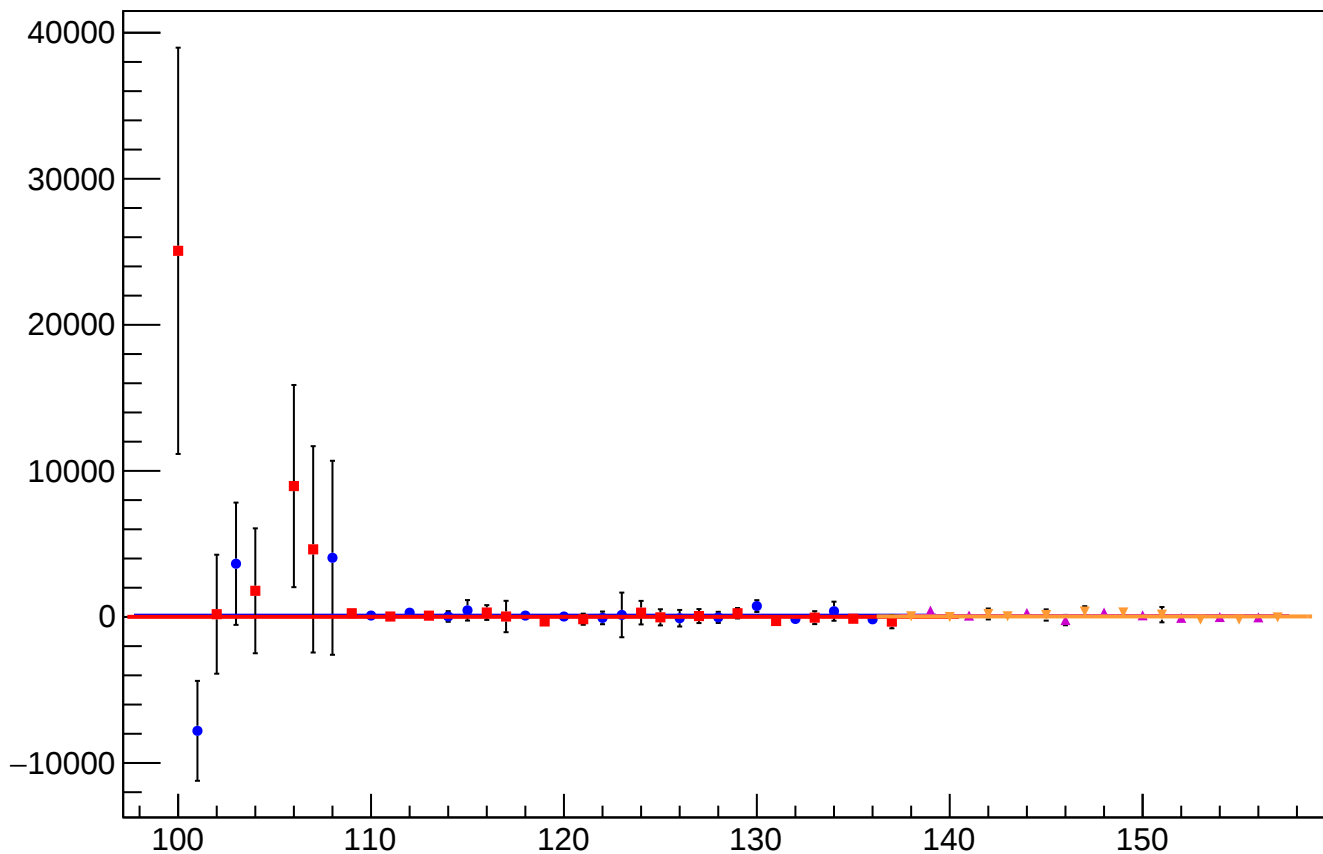
Left In: 35.663 $\pm$ 0.009 χ^2 /NDF:12676.8/8

34.968 $\pm$ 0.007 χ^2 /NDF: 3036156.0/27

34.932 $\pm$ 0.005 χ^2 /NDF: 6516225.9/56

34.894 $\pm$ 0.007 χ^2 /NDF: 3480011.2/28

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: 35.501+/-87.828 χ^2/NDF : 3.8/10

Right Out: 7.420+/-80.977 χ^2/NDF : 11.1/19

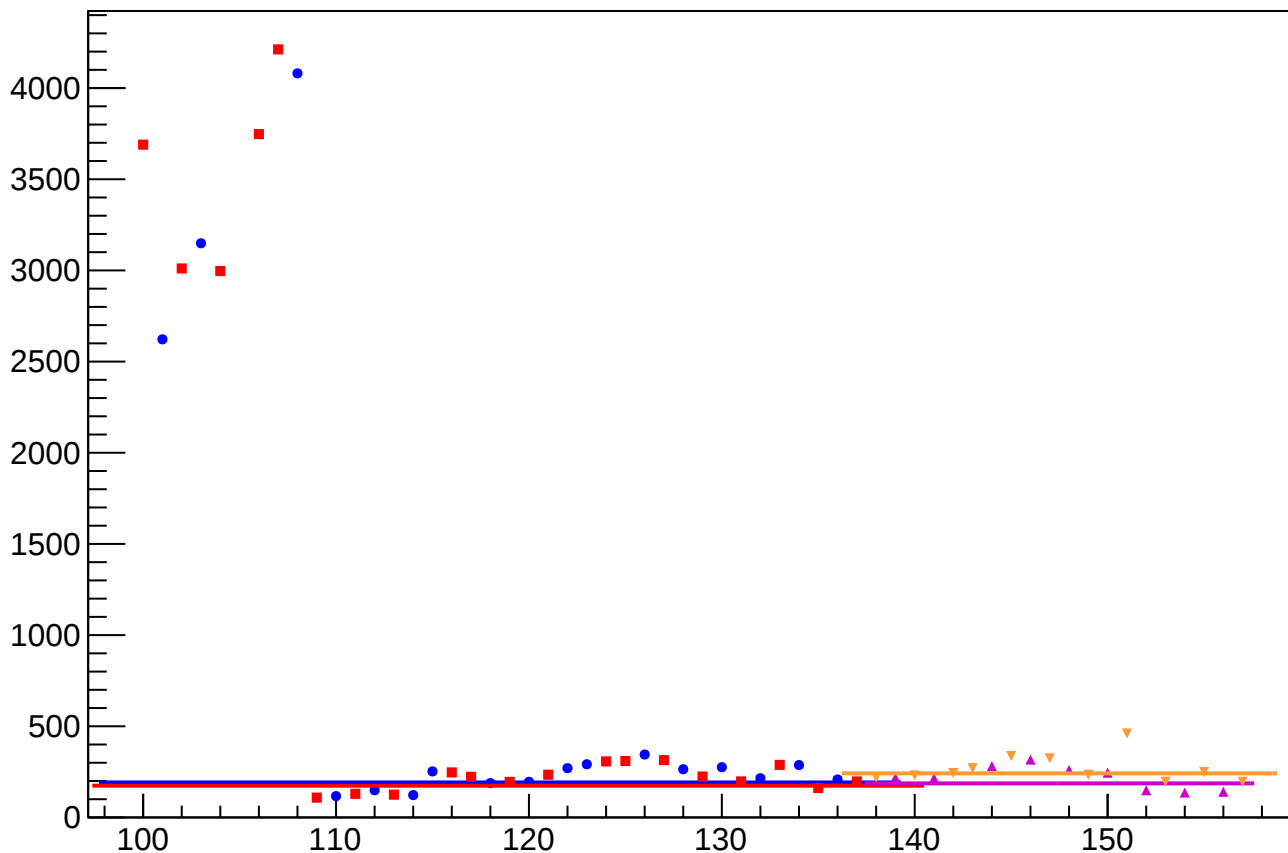
Left In: 64.322+/-74.984 χ^2/NDF : 4.5/8

60.736+/-62.146 χ^2/NDF : 16.4/27

48.021+/-41.194 χ^2/NDF : 32.3/56

38.055+/-55.019 χ^2/NDF : 15.9/28

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.880 ± 0.062 χ^2/NDF : 3573060.2/16

Left Out: 241.768 ± 0.062 χ^2/NDF : 769145.0/10

Right Out: 174.207 ± 0.057 χ^2/NDF : 421538.3/19

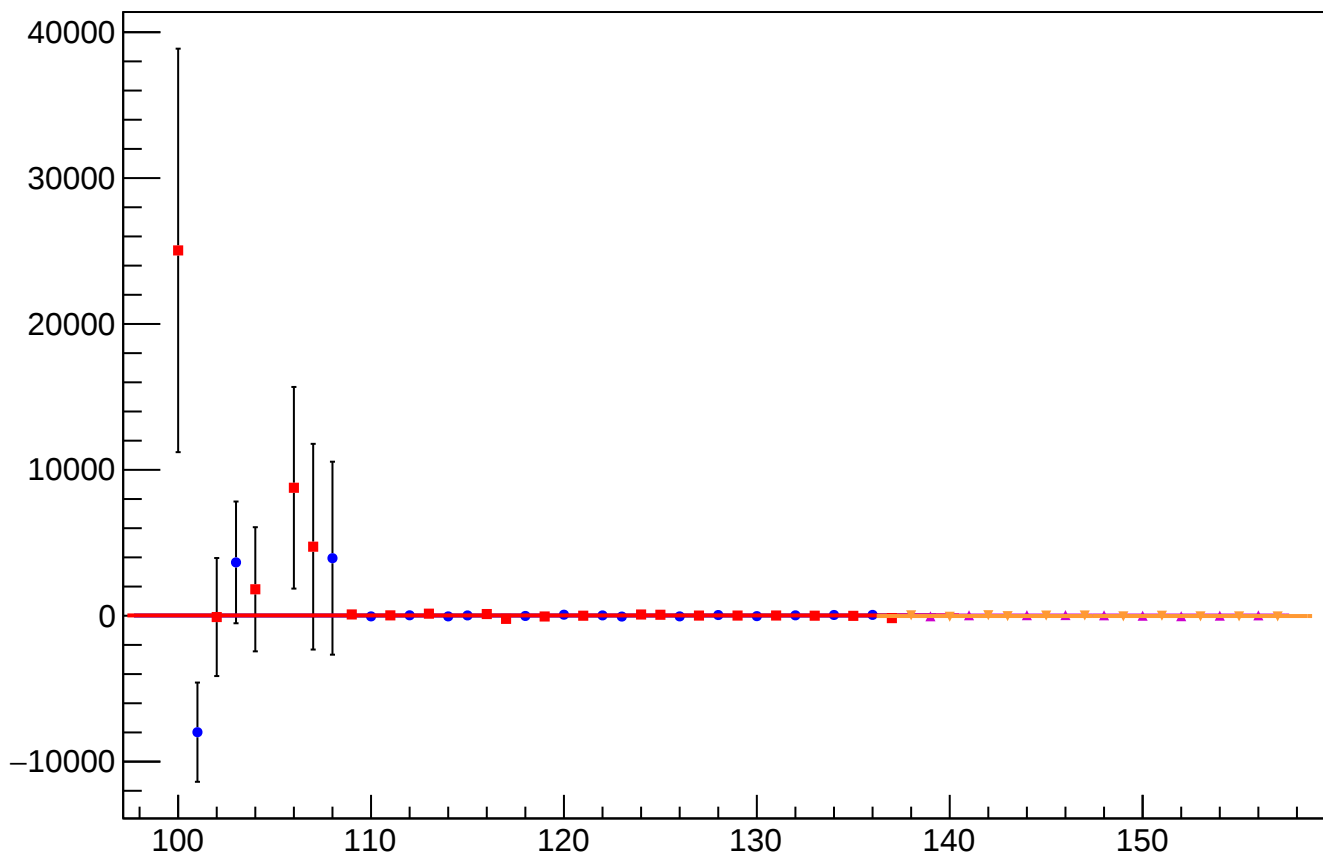
Left In: 186.918 ± 0.053 χ^2/NDF : 1178371.5/8

216.858 ± 0.044 χ^2/NDF : 4664417.7/27

196.784 ± 0.029 χ^2/NDF : 10457104.5/56

181.050 ± 0.039 χ^2/NDF : 5420443.6/28

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: -20.685+/-11.373 χ^2/NDF : 8.8/10

Right Out: 21.490+/-13.601 χ^2/NDF : 29.9/19

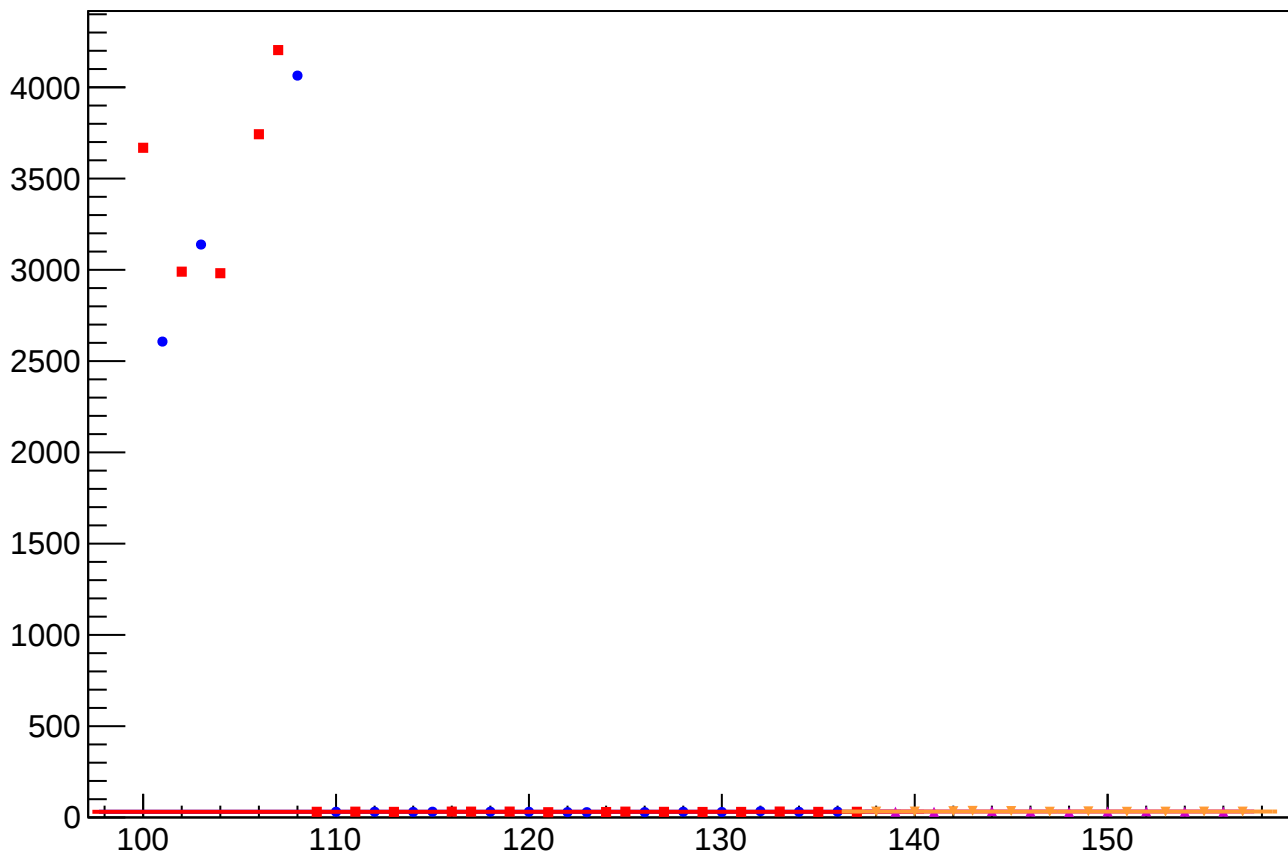
Left In: 13.568+/-12.044 χ^2/NDF : 5.0/8

-6.384+/-8.729 χ^2/NDF : 27.9/27

4.953+/-6.272 χ^2/NDF : 66.5/56

17.050+/-9.017 χ^2/NDF : 35.1/28

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: 32.404+/-0.008 χ^2/NDF : 32941.0/10

Right Out: 30.970+/-0.010 χ^2/NDF : 3459018.8/19

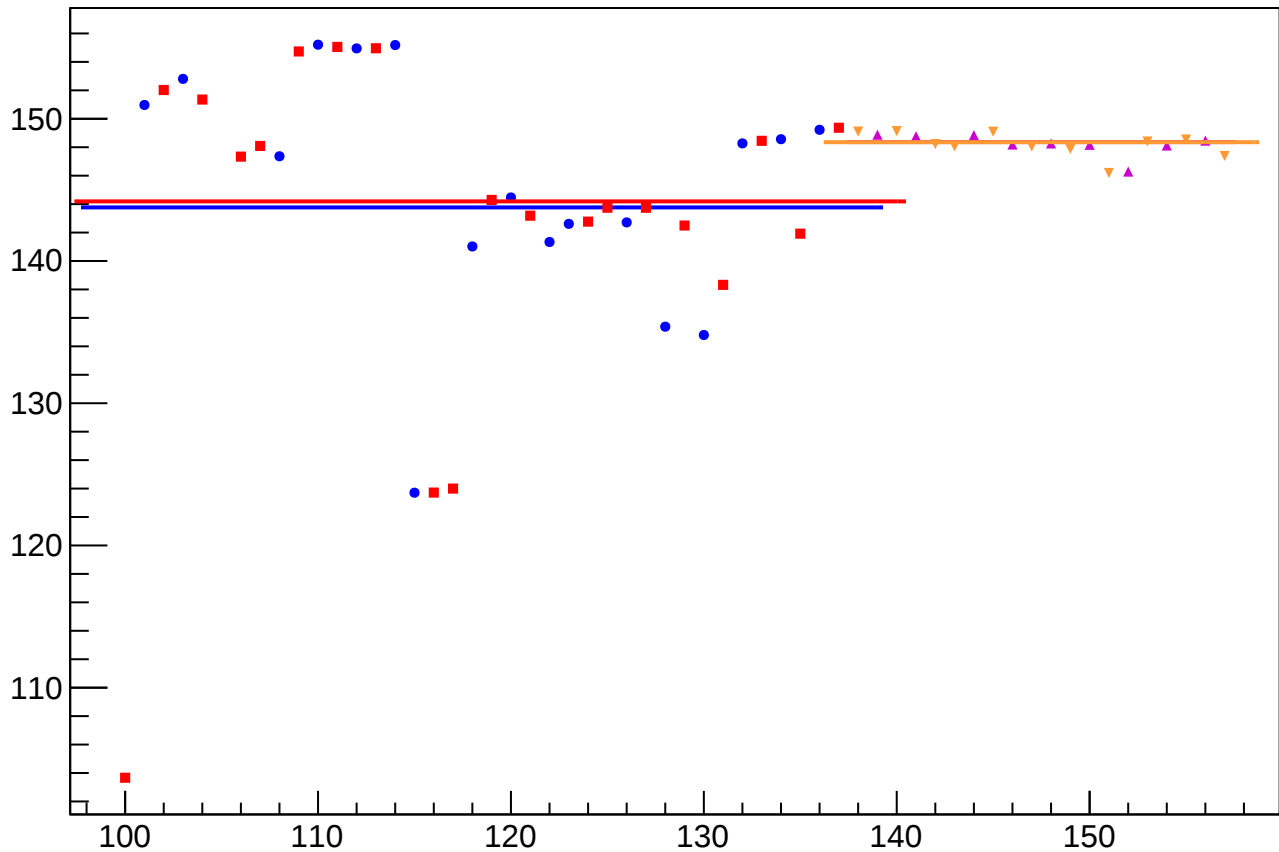
Left In: 32.493+/-0.009 χ^2/NDF : 25120.2/8

31.879+/-0.006 χ^2/NDF : 3057736.7/27

31.852+/-0.004 χ^2/NDF : 6555954.5/56

31.824+/-0.006 χ^2/NDF : 3498178.6/28

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.768 $\pm$ 0.000 χ^2 /NDF: 3532173868.5/16

Left Out: 148.355 $\pm$ 0.000 χ^2 /NDF: 34934673.5/10

Right Out: 144.192 $\pm$ 0.000 χ^2 /NDF: 4524049993.1/19

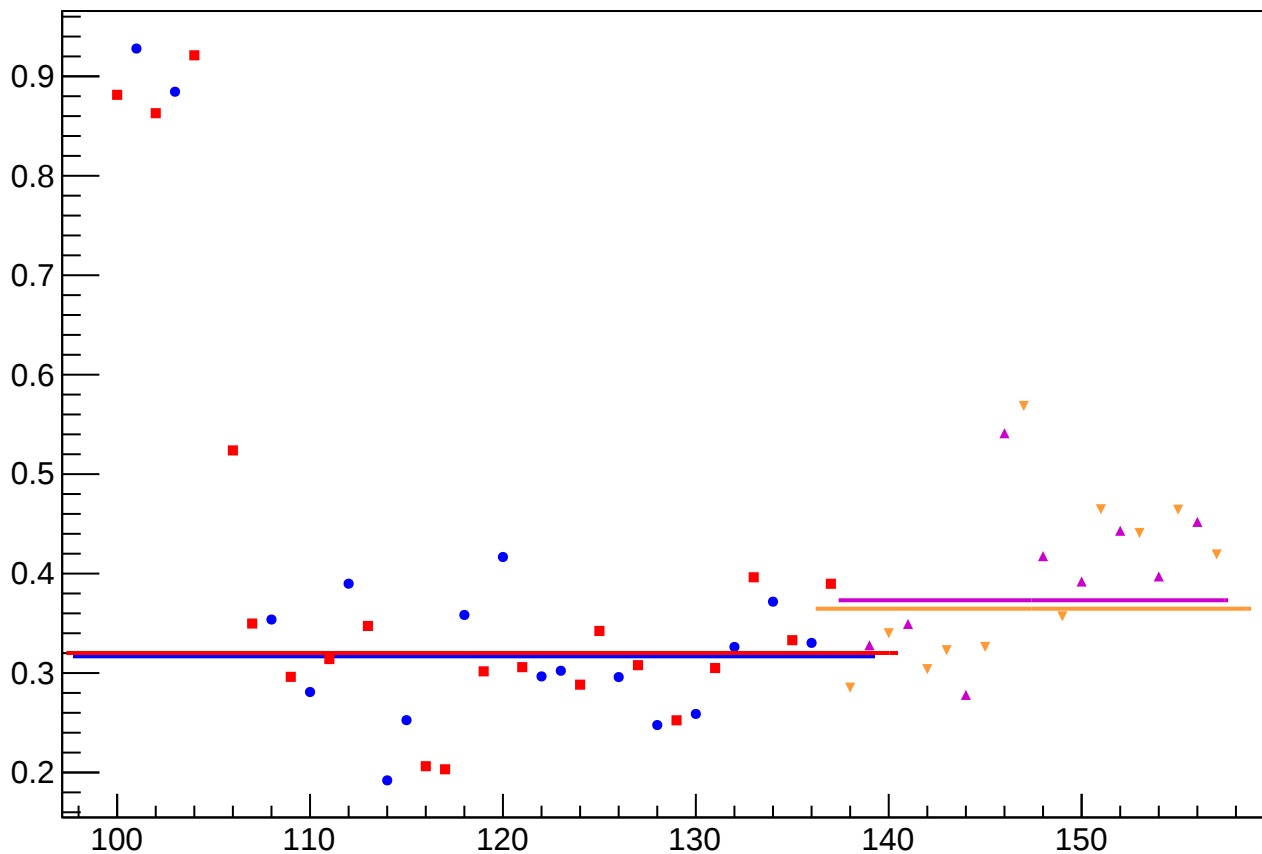
Left In: 148.363 $\pm$ 0.000 χ^2 /NDF: 23035459.6/8

146.074 $\pm$ 0.000 χ^2 /NDF: 4155683063.0/27

146.091 $\pm$ 0.000 χ^2 /NDF: 9161991957.5/

146.110 $\pm$ 0.000 χ^2 /NDF: 5006239572.0/28

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2/NDF : 1278613.2/16

Left Out: 0.365 $\pm$ 0.000 χ^2/NDF : 592881.1/10

Right Out: 0.320 $\pm$ 0.000 χ^2/NDF : 1240600.2/19

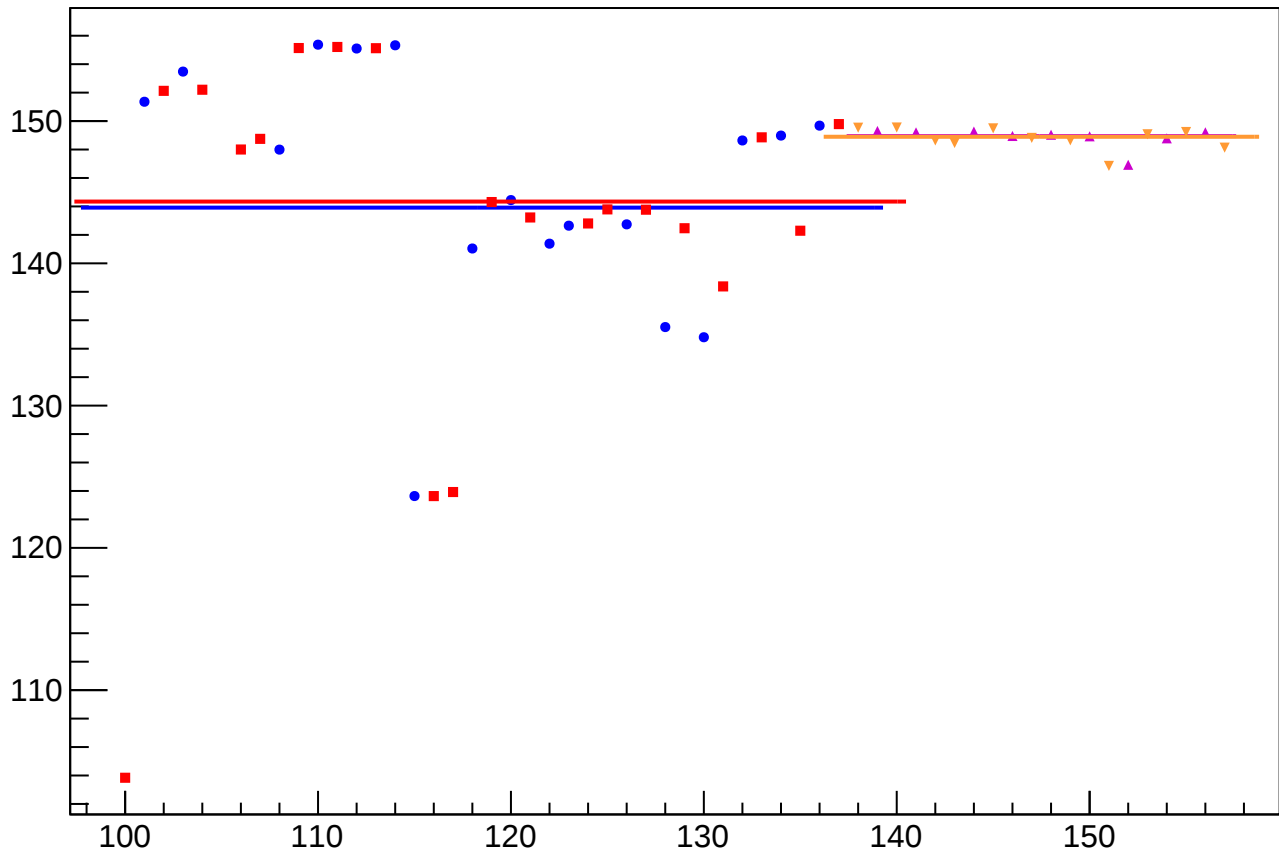
Left In: 0.373 $\pm$ 0.000 χ^2/NDF : 491861.1/8

0.341 $\pm$ 0.000 χ^2/NDF : 1999727.3/27

0.343 $\pm$ 0.000 χ^2/NDF : 3881868.5/56

0.345 $\pm$ 0.000 χ^2/NDF : 1880692.7/28

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.917 $\pm$ 0.000 χ^2 /NDF: 3584662767.5/16

Left Out: 148.898 $\pm$ 0.000 χ^2 /NDF: 27339246.5/10

Right Out: 144.342 $\pm$ 0.000 χ^2 /NDF: 4551365931.0/19

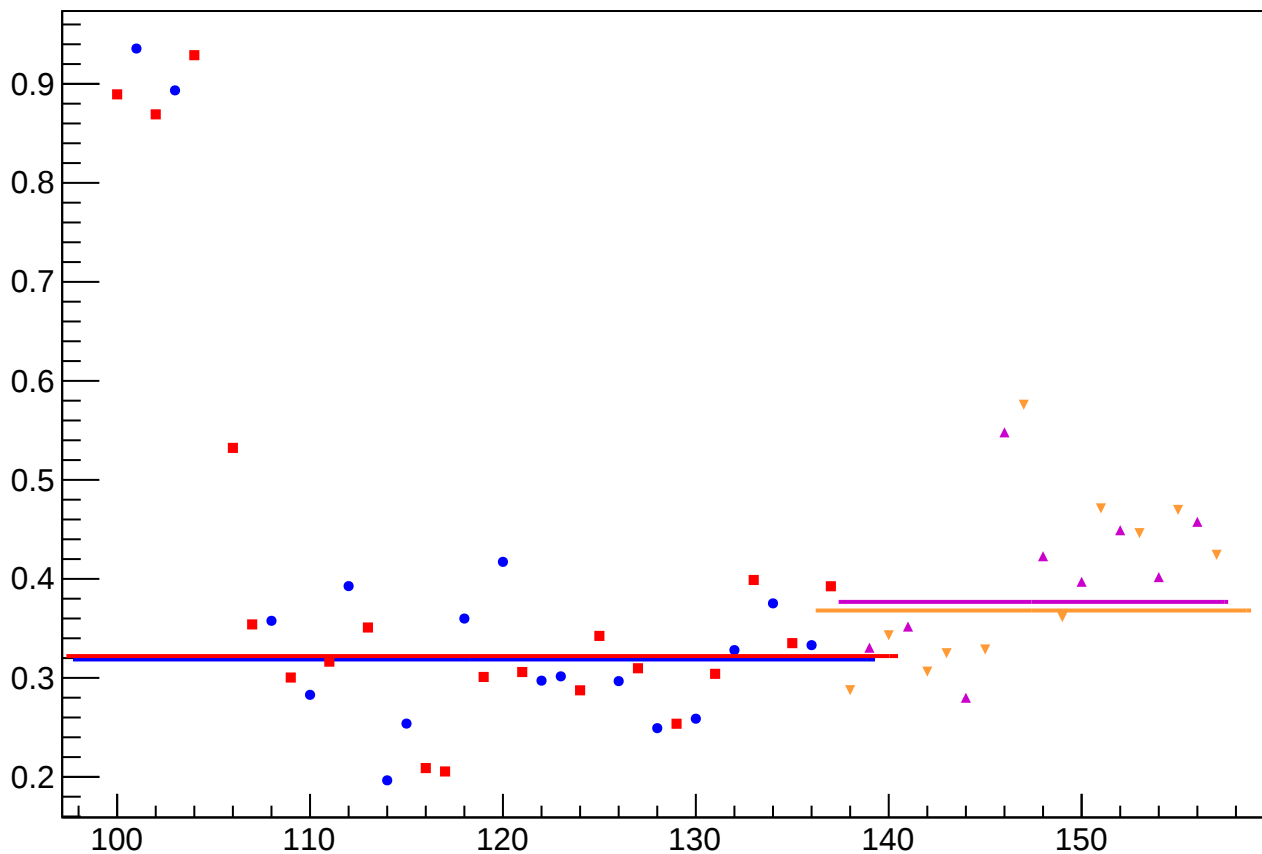
Left In: 148.944 $\pm$ 0.000 χ^2 /NDF: 18465269.8/8

146.411 $\pm$ 0.000 χ^2 /NDF: 4295815807.5/27

146.429 $\pm$ 0.000 χ^2 /NDF: 9415463411.0/27

146.448 $\pm$ 0.000 χ^2 /NDF: 5119572667.3/28

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.319 $\pm$ 0.000 χ^2/NDF : 1280748.9/16

Left Out: 0.368 $\pm$ 0.000 χ^2/NDF : 604697.2/10

Right Out: 0.322 $\pm$ 0.000 χ^2/NDF : 1243109.0/19

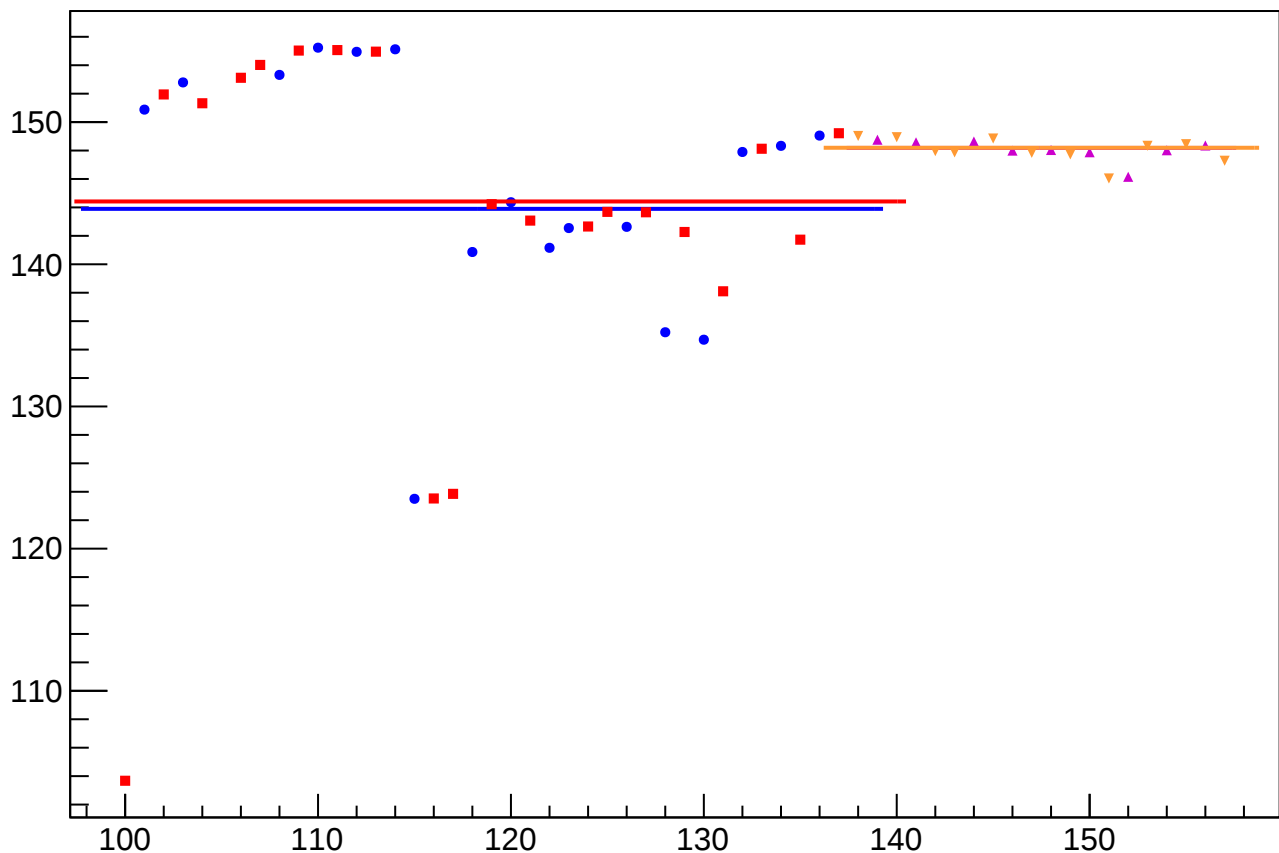
Left In: 0.377 $\pm$ 0.000 χ^2/NDF : 503945.4/8

0.343 $\pm$ 0.000 χ^2/NDF : 2020331.0/27

0.345 $\pm$ 0.000 χ^2/NDF : 3924461.9/56

0.347 $\pm$ 0.000 χ^2/NDF : 1902658.8/28

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.899 $\pm$ 0.000 χ^2 /NDF: 3749888331.0/16

Left Out: 148.195 $\pm$ 0.000 χ^2 /NDF: 34582723.3/10

Right Out: 144.419 $\pm$ 0.000 χ^2 /NDF: 4820290476.6/19

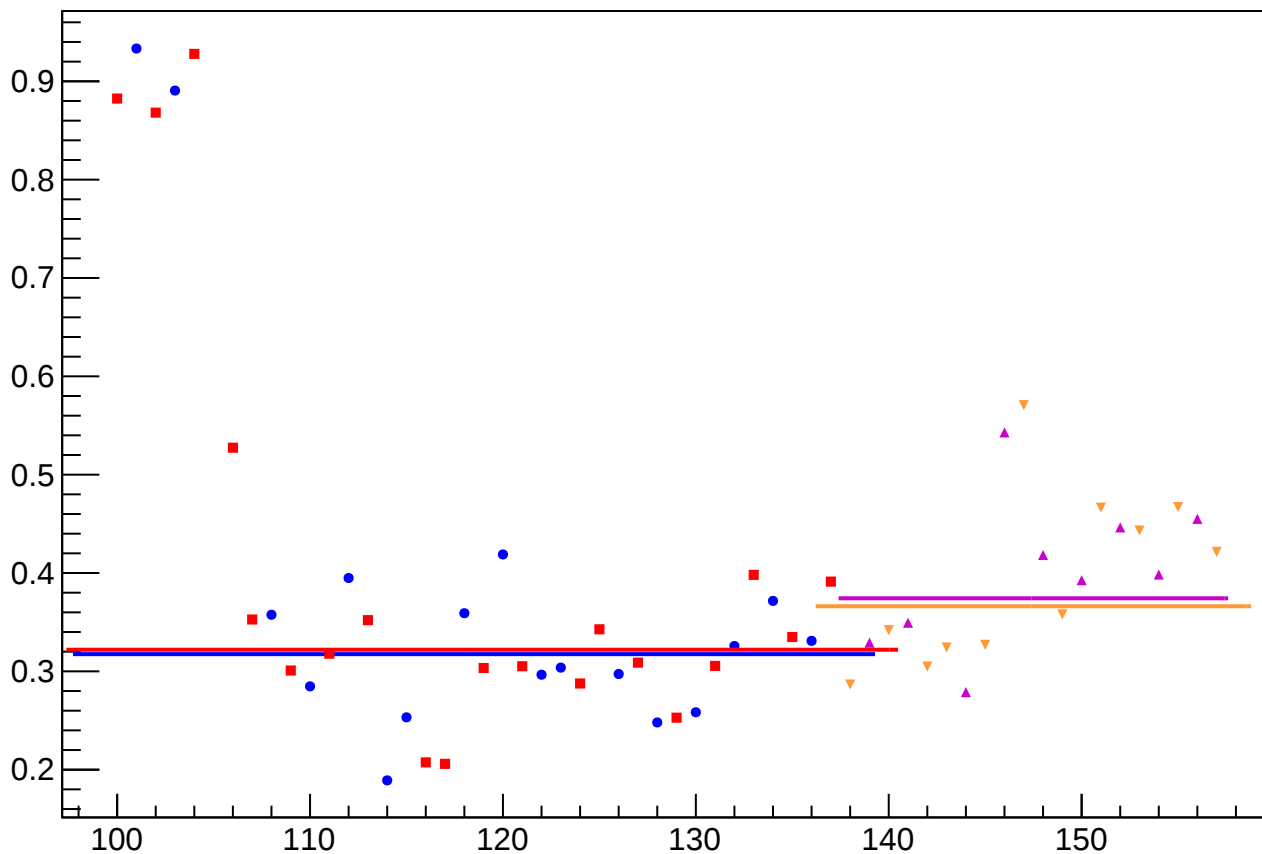
Left In: 148.183 $\pm$ 0.000 χ^2 /NDF: 22313612.1/8

146.056 $\pm$ 0.000 χ^2 /NDF: 4297323332.9/27

146.104 $\pm$ 0.000 χ^2 /NDF: 9511202735.3/27

146.154 $\pm$ 0.000 χ^2 /NDF: 5213359909.8/28

yield_bcm_an_us_rms vs Slug, Sign Corrected



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

Left Out: 0.366 $\pm$ 0.000 χ^2/NDF : 594797.1/10

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

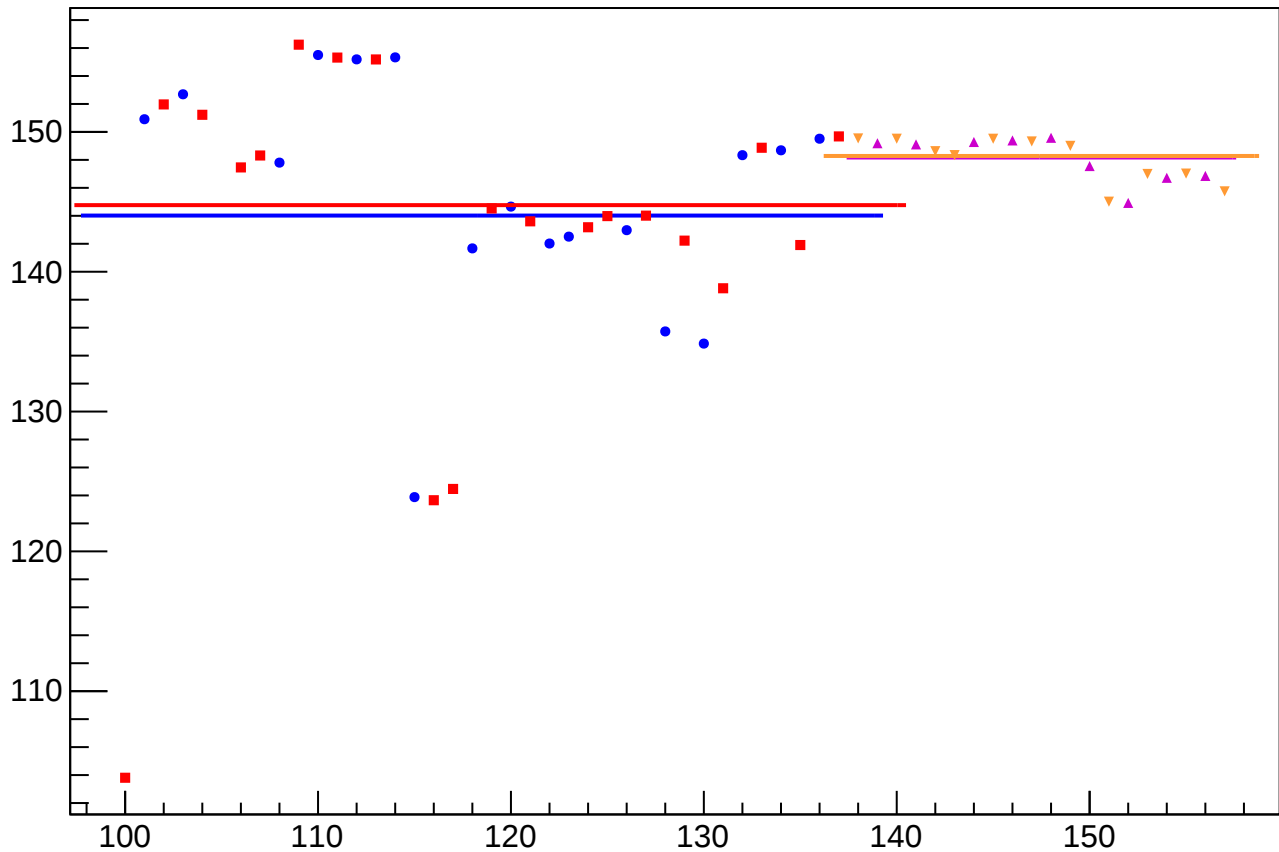
Left In: 0.374 $\pm$ 0.000 χ^2/NDF : 495762.7/8

0.342 $\pm$ 0.000 χ^2/NDF : 2019692.2/27

0.344 $\pm$ 0.000 χ^2/NDF : 3904167.7/56

0.346 $\pm$ 0.000 χ^2/NDF : 1882603.7/28

yield_bcm_dg_us_mean vs Slug, Sign Corrected



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

Left Out: 148.280 $\pm$ 0.000 χ^2/NDF : 109557625.7/10

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

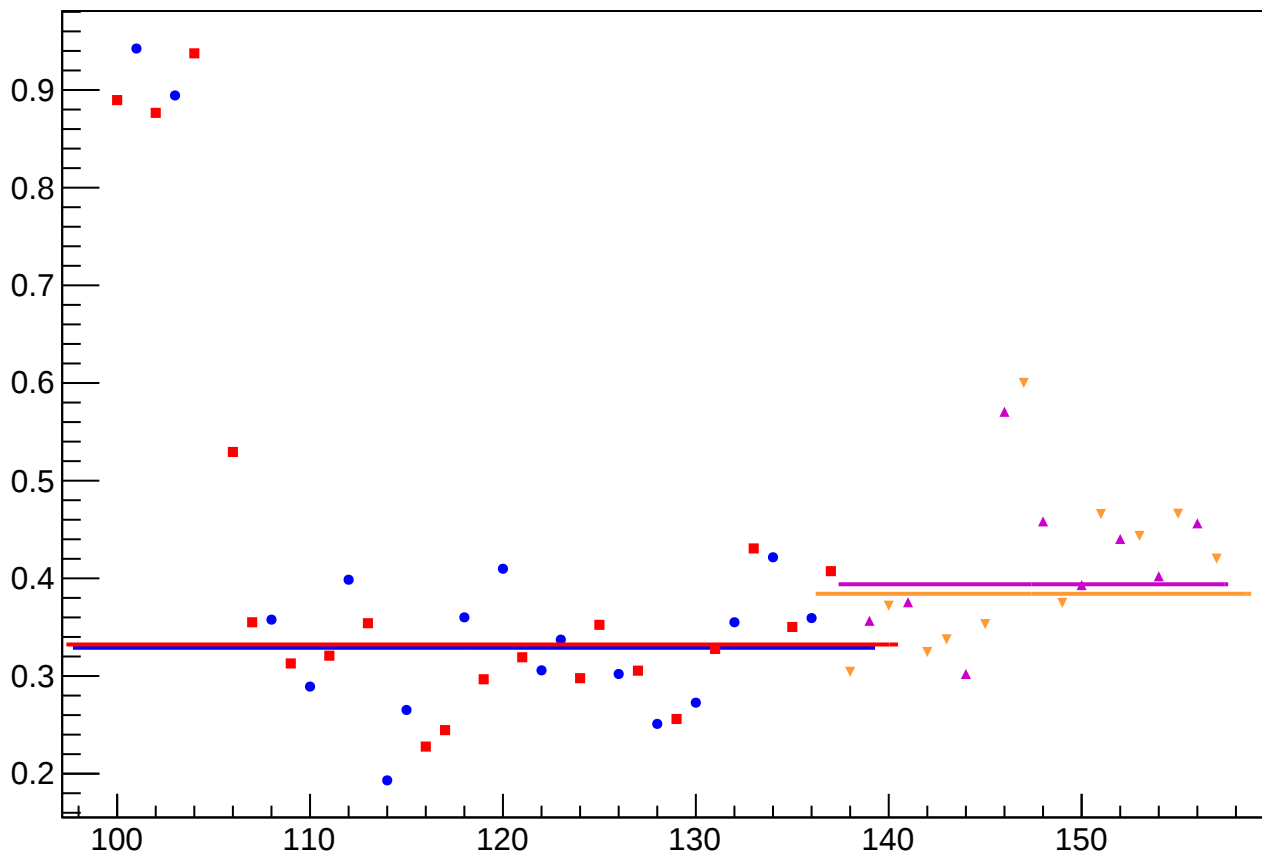
Left In: 148.170 $\pm$ 0.000 χ^2/NDF : 93514443.4/8

146.136 $\pm$ 0.000 χ^2/NDF : 3812074974.7/27

146.218 $\pm$ 0.000 χ^2/NDF : 8285242318.6/27

146.304 $\pm$ 0.000 χ^2/NDF : 4471751603.4/28

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.329 ± 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.384 ± 0.000 χ^2/NDF : 482612.0/10

Right Out: 0.332 ± 0.000 χ^2/NDF : 1191637.2/19

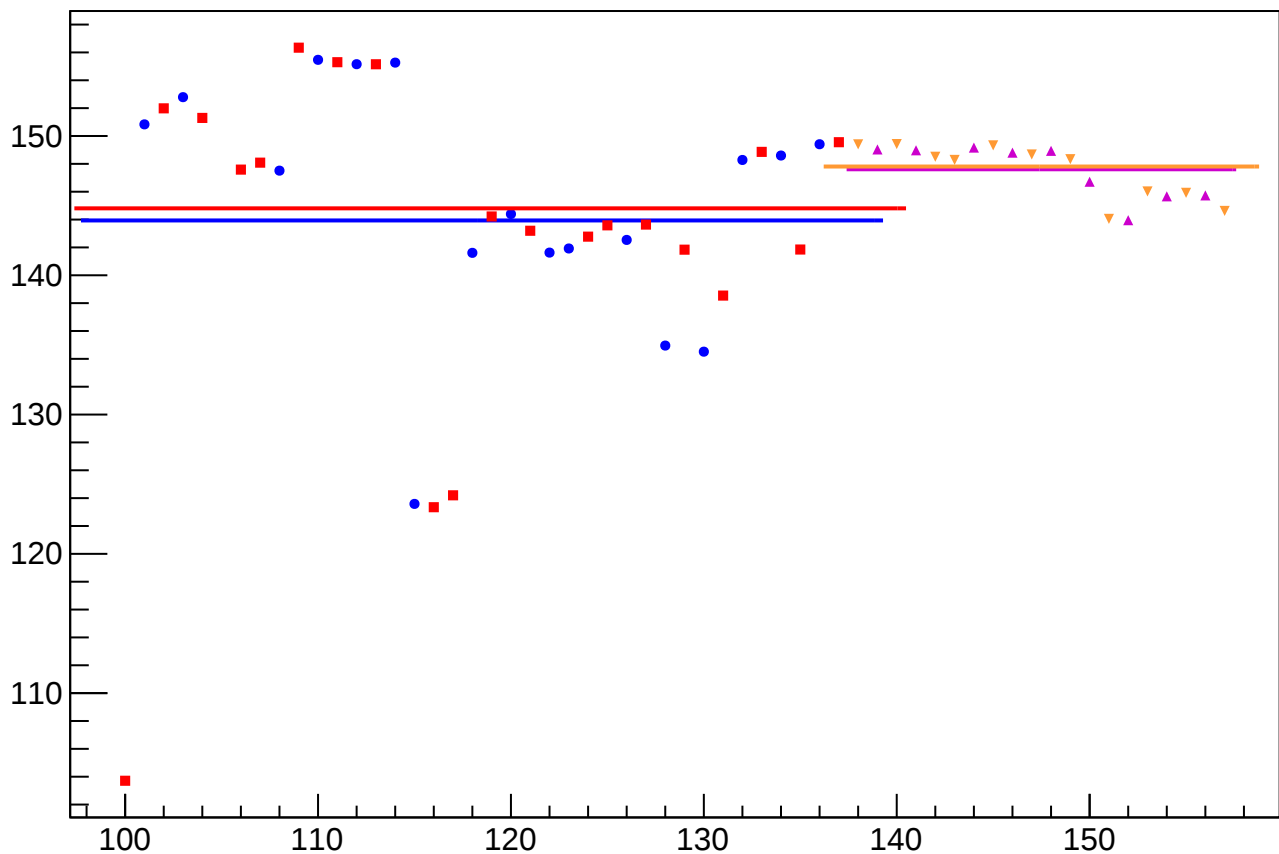
Left In: 0.394 ± 0.000 χ^2/NDF : 397200.8/8

0.356 ± 0.000 χ^2/NDF : 1914555.0/27

0.358 ± 0.000 χ^2/NDF : 3688158.4/56

0.360 ± 0.000 χ^2/NDF : 1772186.2/28

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.937 $\pm$ 0.000 χ^2 /NDF: 3379203532.9/16

Left Out: 147.808 $\pm$ 0.000 χ^2 /NDF: 167865218.8/10

Right Out: 144.806 $\pm$ 0.000 χ^2 /NDF: 4139087143.3/19

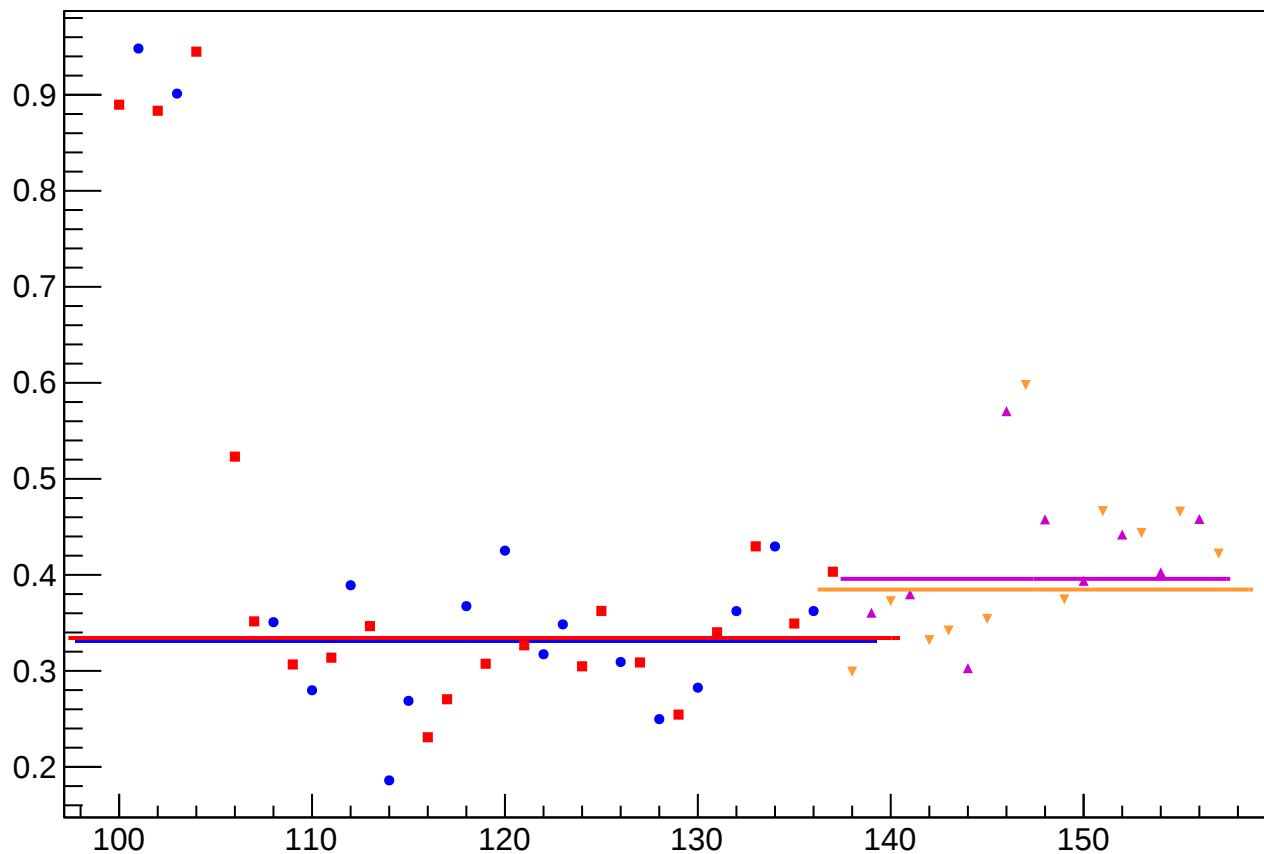
Left In: 147.611 $\pm$ 0.000 χ^2 /NDF: 140921526.2/8

145.873 $\pm$ 0.000 χ^2 /NDF: 3925535376.6/27

145.971 $\pm$ 0.000 χ^2 /NDF: 8394967679.0/28

146.075 $\pm$ 0.000 χ^2 /NDF: 4467403057.0/28

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.331 $\pm$ 0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.385 $\pm$ 0.000 χ^2/NDF : 483178.4/10

Right Out: 0.334 $\pm$ 0.000 χ^2/NDF : 1176170.4/19

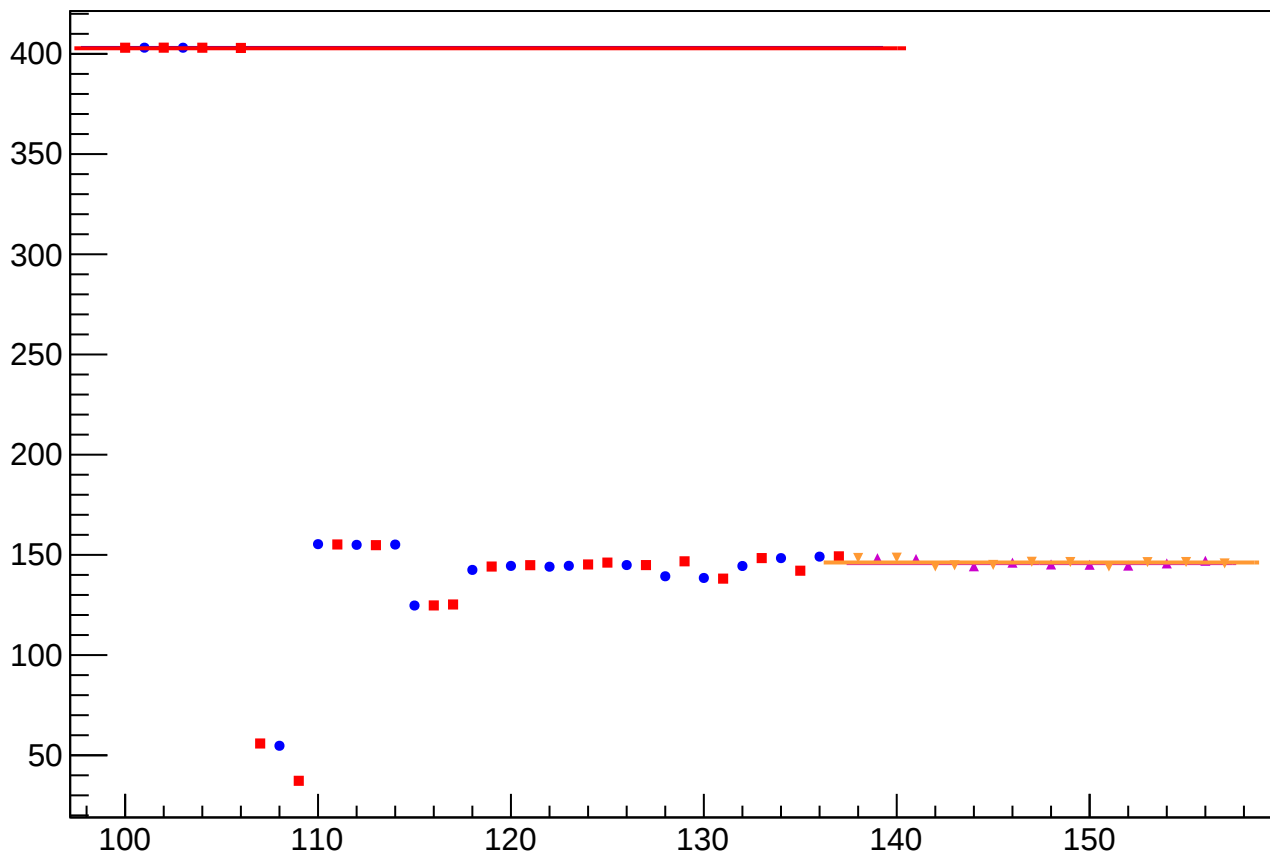
Left In: 0.396 $\pm$ 0.000 χ^2/NDF : 389371.7/8

0.358 $\pm$ 0.000 χ^2/NDF : 1923777.3/27

0.360 $\pm$ 0.000 χ^2/NDF : 3671875.2/56

0.362 $\pm$ 0.000 χ^2/NDF : 1746372.1/28

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.957+/-0.000 χ^2/NDF : 1096710296821.6/16

Left Out: 146.199+/-0.000 χ^2/NDF : 30662235.5/10

Right Out: 402.797+/-0.000 χ^2/NDF : 3122752044607.2/19

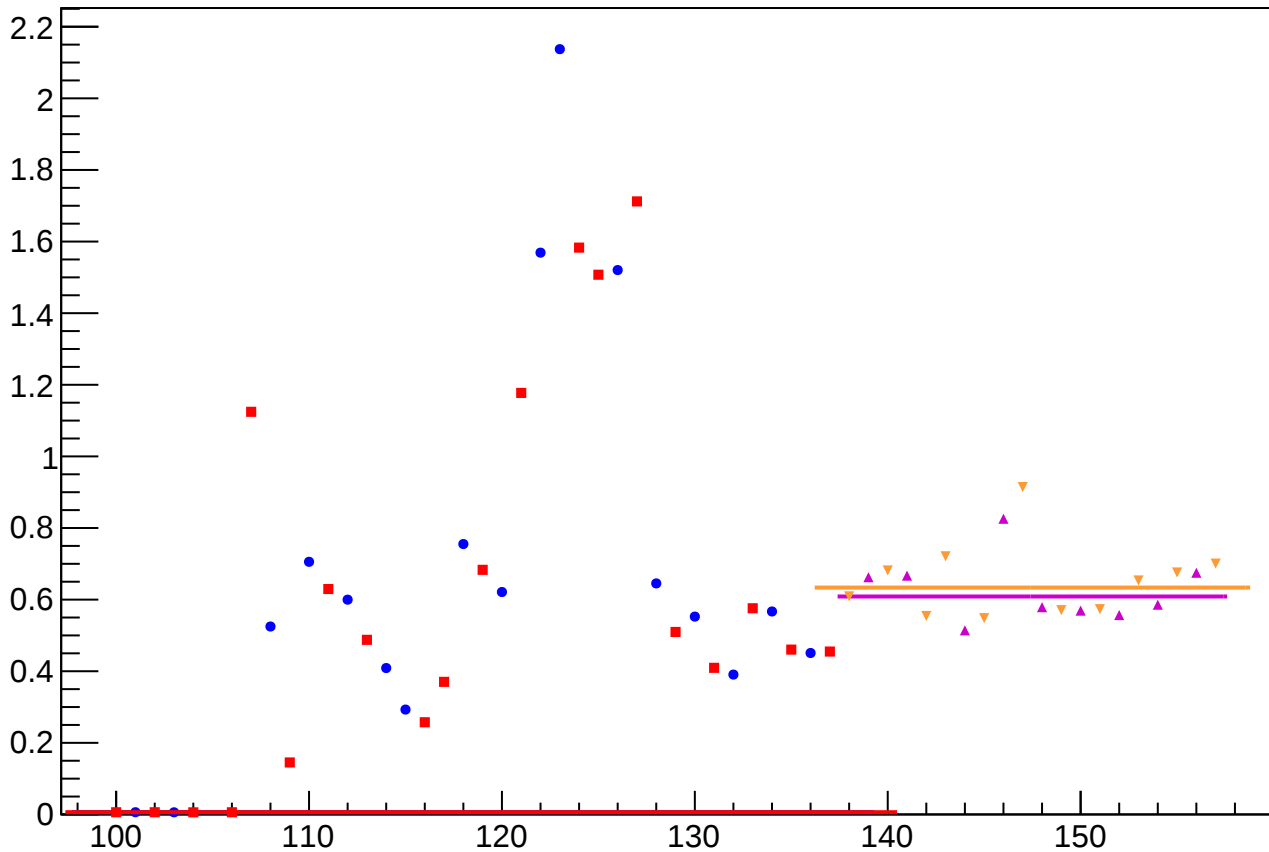
Left In: 145.895+/-0.000 χ^2/NDF : 24926671.5/8

402.849+/-0.000 χ^2/NDF : 1959625117398.1/27

402.771+/-0.000 χ^2/NDF : 593942409844

402.702+/-0.000 χ^2/NDF : 3979439928247.7/28

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.634+/-0.000 χ^2/NDF : 184264.0/10

Right Out: 0.006+/-0.000 χ^2/NDF : 9277290.2/19

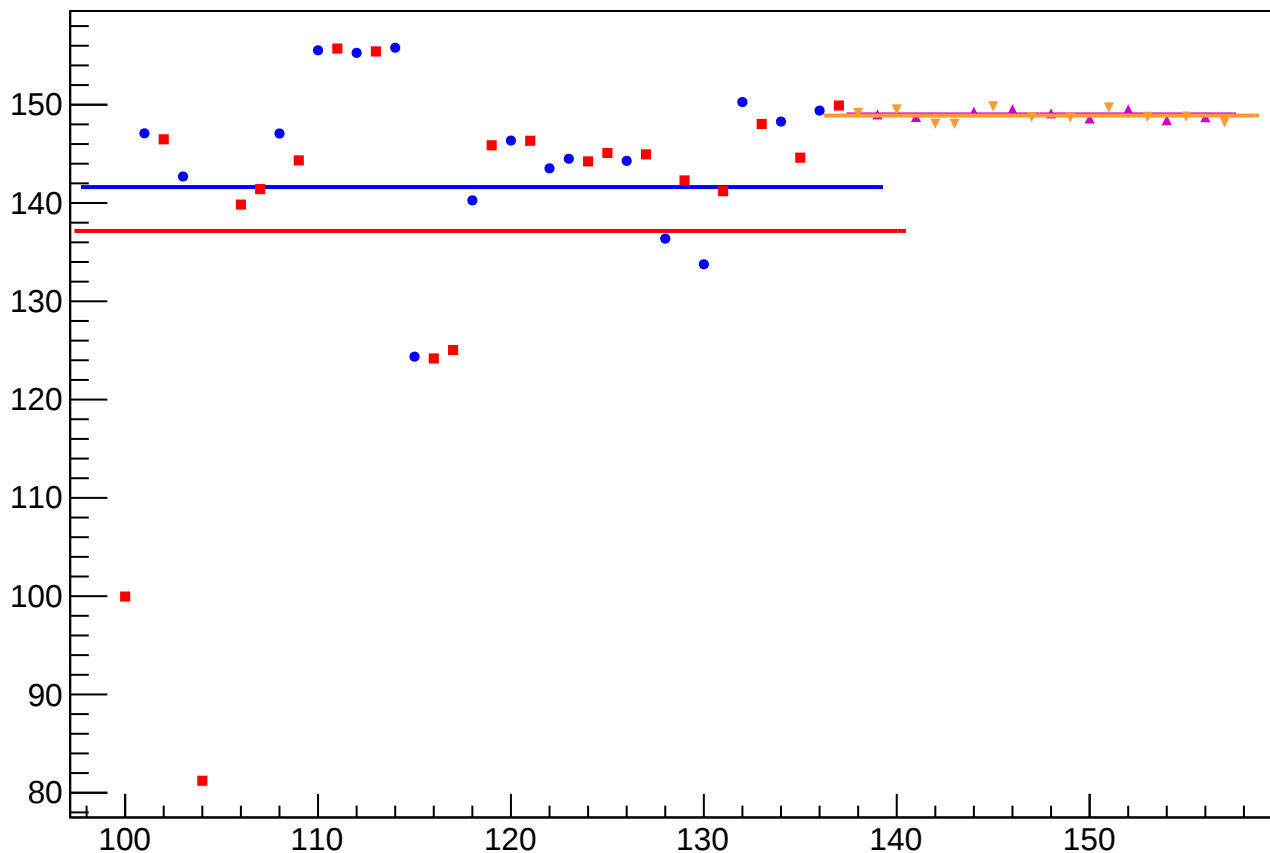
Left In: 0.609+/-0.000 χ^2/NDF : 153529.2/8

0.007+/-0.000 χ^2/NDF : 19648170.5/27

0.007+/-0.000 χ^2/NDF : 38499828.3/56

0.007+/-0.000 χ^2/NDF : 18851572.9/28

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.622+/-0.000 χ^2/NDF : 982037737.7/16

Left Out: 148.900+/-0.000 χ^2/NDF : 9924920.0/10

Right Out: 137.160+/-0.000 χ^2/NDF : 1365742338.8/19

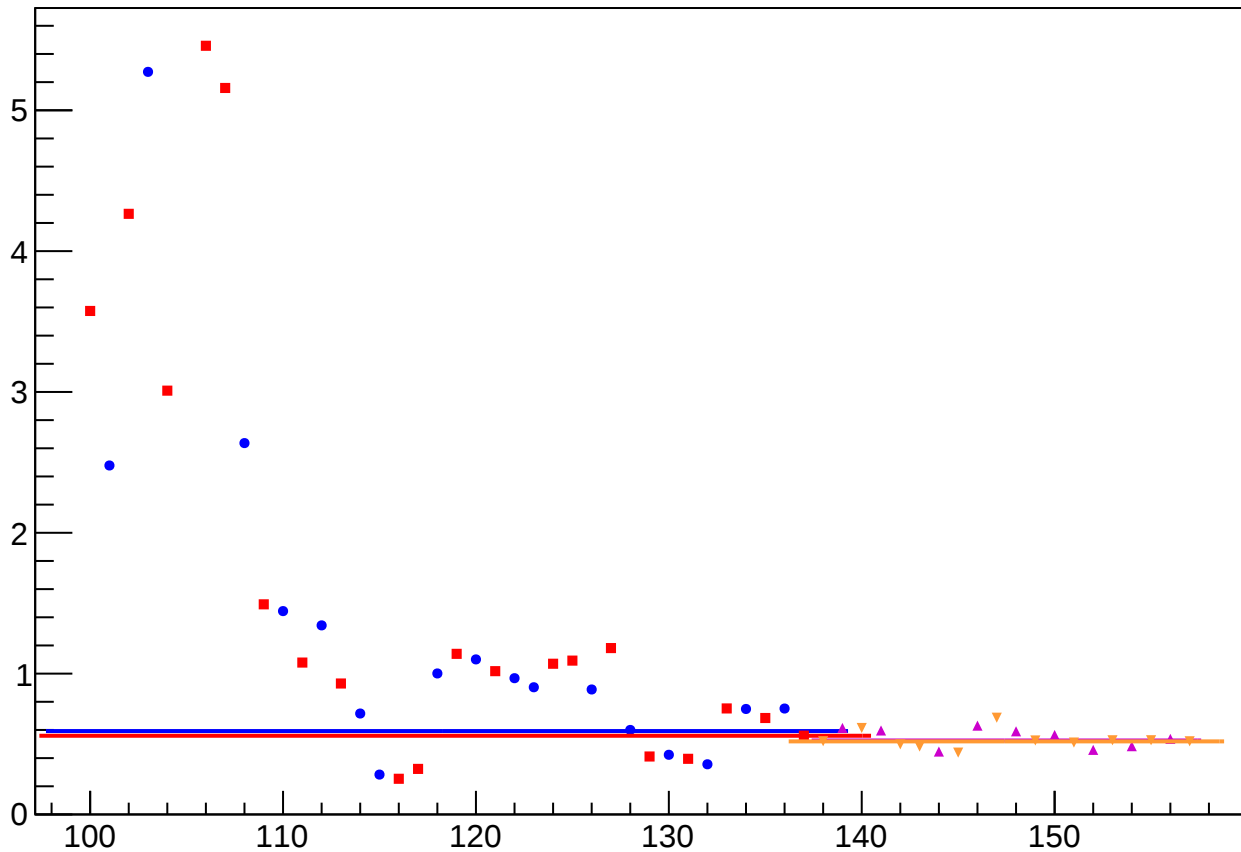
Left In: 149.014+/-0.000 χ^2/NDF : 3814777.9/8

146.835+/-0.000 χ^2/NDF : 1375893001.4/27

146.016+/-0.000 χ^2/NDF : 3831524499.2/27

145.146+/-0.000 χ^2/NDF : 2406272537.8/28

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.592+/-0.000 χ^2/NDF : 3521577.2/16

Left Out: 0.519+/-0.000 χ^2/NDF : 163837.7/10

Right Out: 0.559+/-0.000 χ^2/NDF : 4719868.1/19

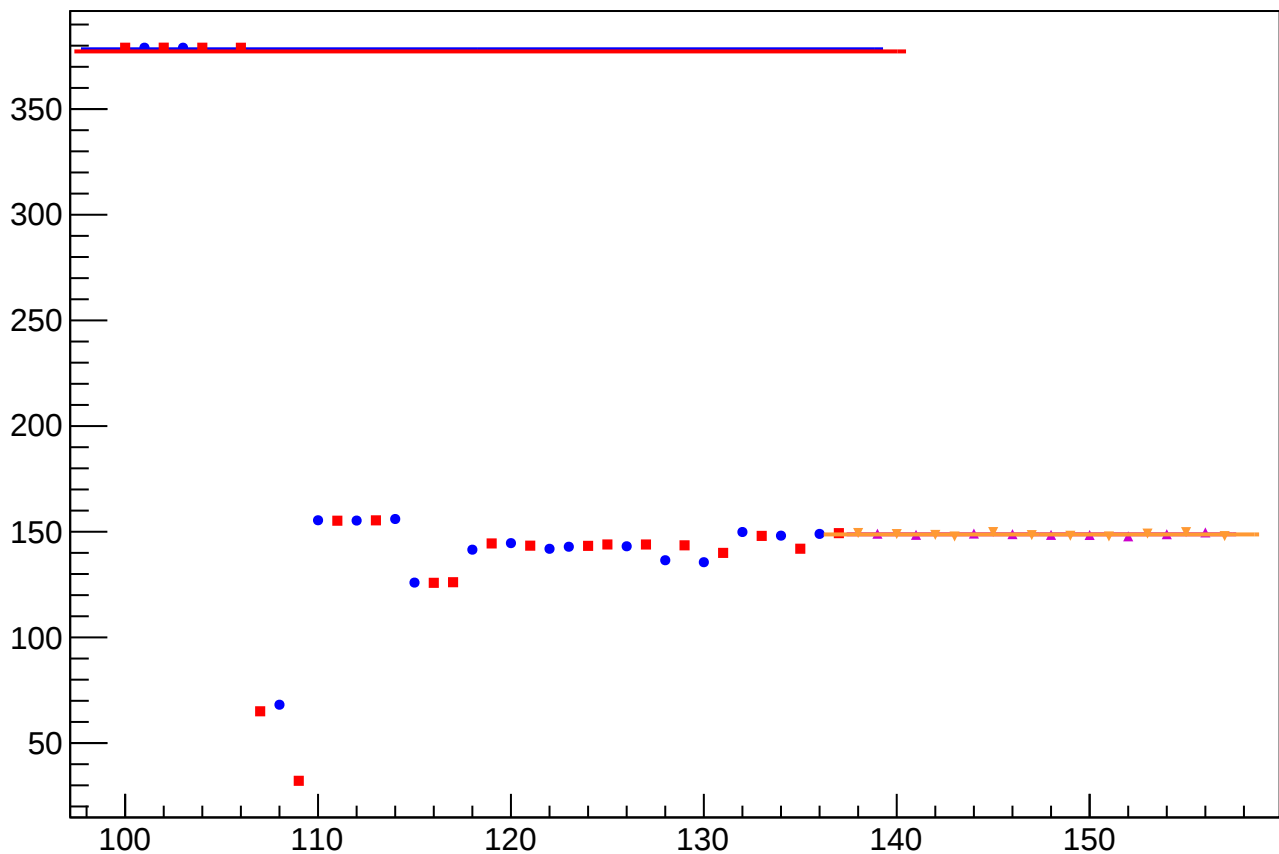
Left In: 0.525+/-0.000 χ^2/NDF : 191530.3/8

0.540+/-0.000 χ^2/NDF : 3763519.6/27

0.538+/-0.000 χ^2/NDF : 8691986.4/56

0.536+/-0.000 χ^2/NDF : 4928051.9/28

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16

Left Out: 148.730+/-0.000 χ^2/NDF : 25206284.0/10

Right Out: 377.282+/-0.000 χ^2/NDF : 8306405788315.4/19

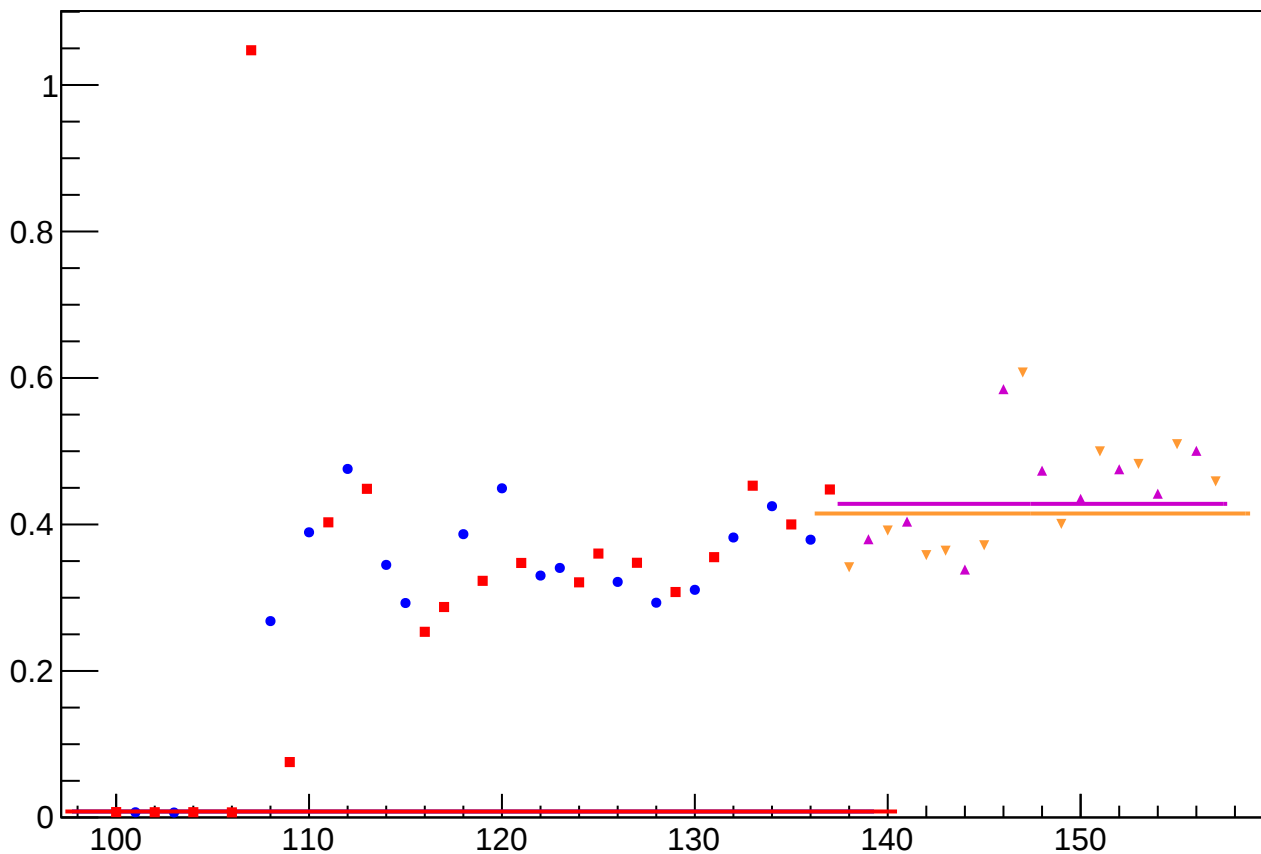
Left In: 148.794+/-0.000 χ^2/NDF : 7853455.4/8

377.523+/-0.000 χ^2/NDF : 4831830682808.3/27

377.092+/-0.000 χ^2/NDF : 151120706375

376.714+/-0.000 χ^2/NDF : 10275593159867.7/2

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9885759.8/16

Left Out: 0.415 $\pm$ 0.000 χ^2 /NDF: 427224.8/10

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9601959.4/19

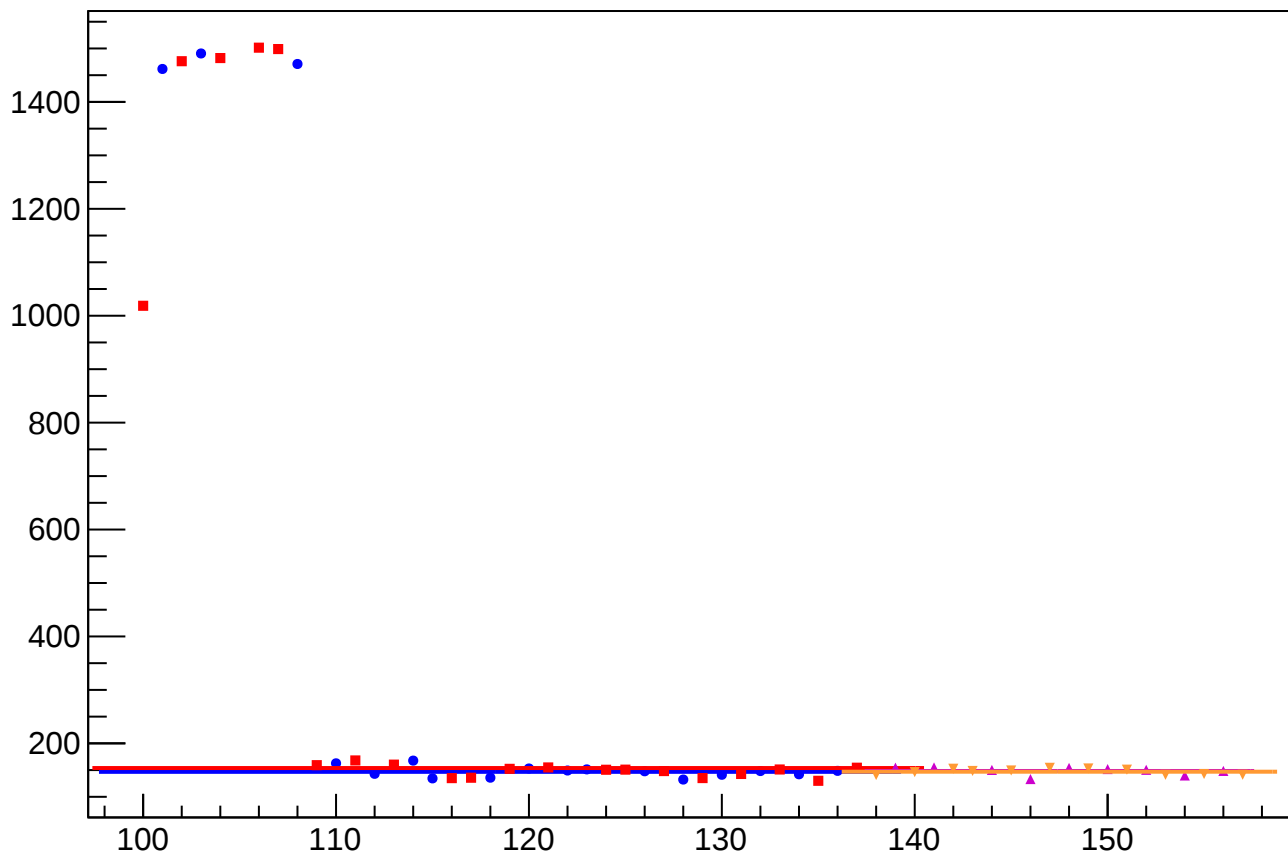
Left In: 0.428 $\pm$ 0.000 χ^2 /NDF: 322824.8/8

0.009 $\pm$ 0.000 χ^2 /NDF: 24884341.5/27

0.009 $\pm$ 0.000 χ^2 /NDF: 48117520.7/56

0.009 $\pm$ 0.000 χ^2 /NDF: 23232110.9/28

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 146.975+/-0.000 χ^2/NDF : 206160489.2/10

Right Out: 153.818+/-0.000 χ^2/NDF : 33744777744.4/19

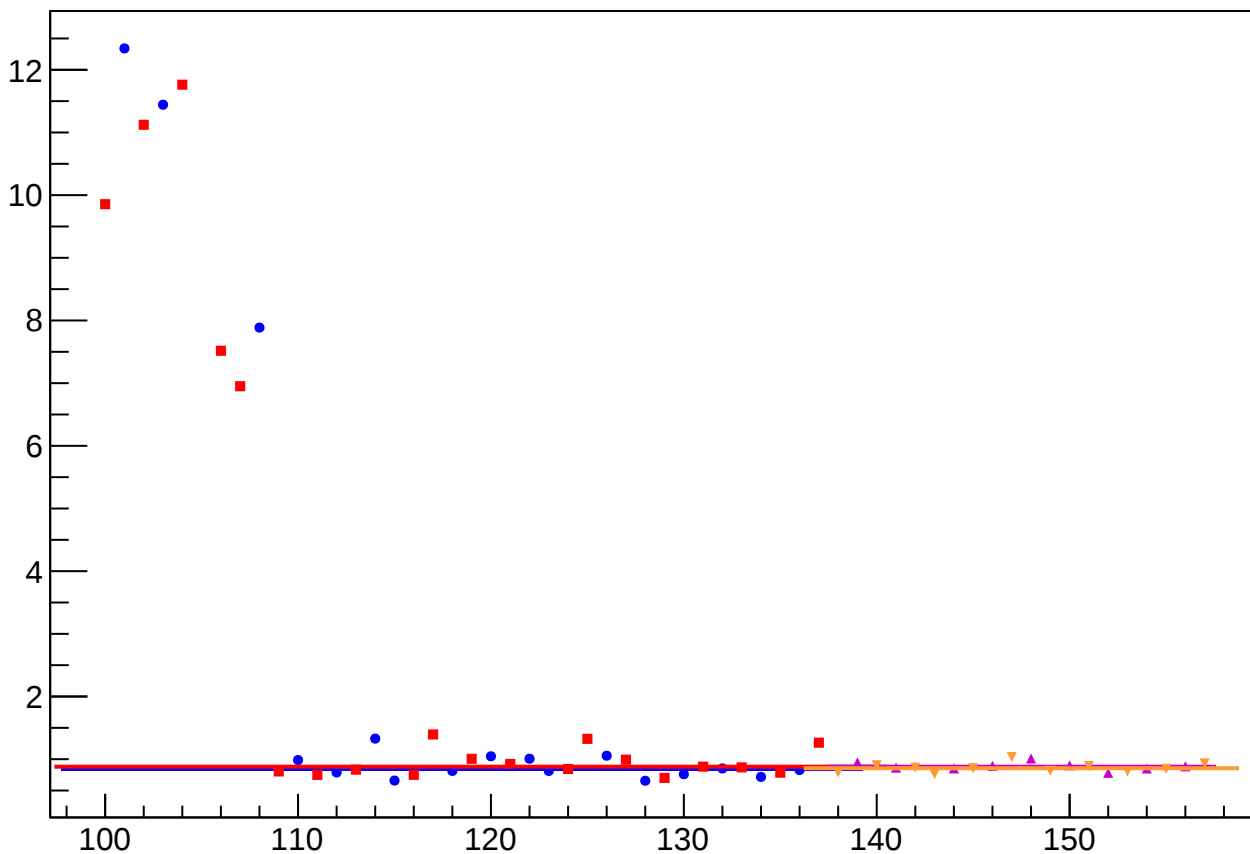
Left In: 148.296+/-0.000 χ^2/NDF : 362683600.3/8

146.878+/-0.000 χ^2/NDF : 24557240044.8/27

148.654+/-0.000 χ^2/NDF : 58851211024.3

150.580+/-0.000 χ^2/NDF : 34202408733.1/28

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.844+/-0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.856+/-0.000 χ^2/NDF :82798.7/10

Right Out: 0.880+/-0.000 χ^2/NDF : 2823230.1/19

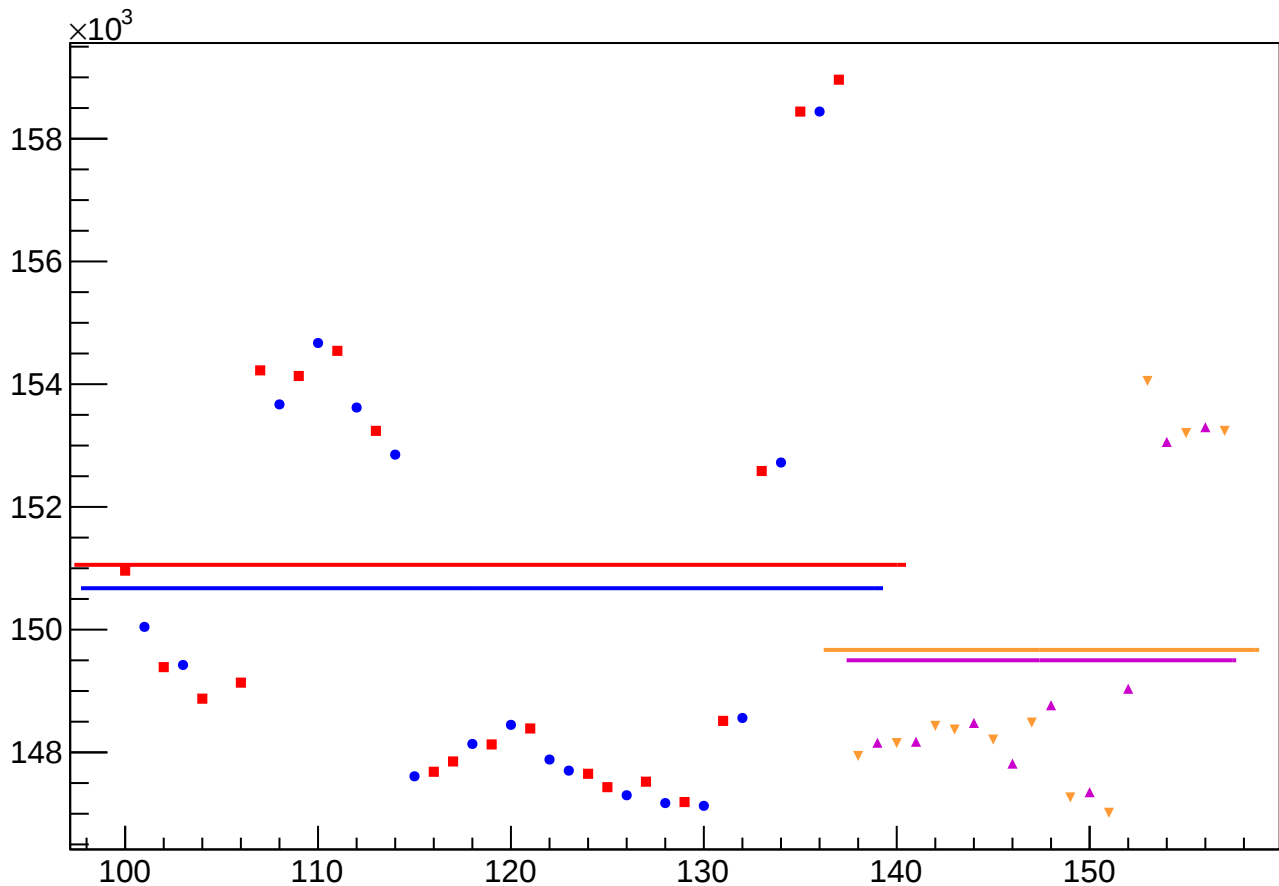
Left In: 0.880+/-0.000 χ^2/NDF :55203.4/8

0.851+/-0.000 χ^2/NDF : 2754245.8/27

0.865+/-0.000 χ^2/NDF : 5644019.6/56

0.880+/-0.000 χ^2/NDF : 2878433.5/28

yield_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 150675.025 $\pm$ 0.063 χ^2 /NDF: 3309974859.4/16

Left Out: 149670.009 $\pm$ 0.065 χ^2 /NDF: 1611933073.7/10

Right Out: 151056.044 $\pm$ 0.059 χ^2 /NDF: 3325519080.9/19

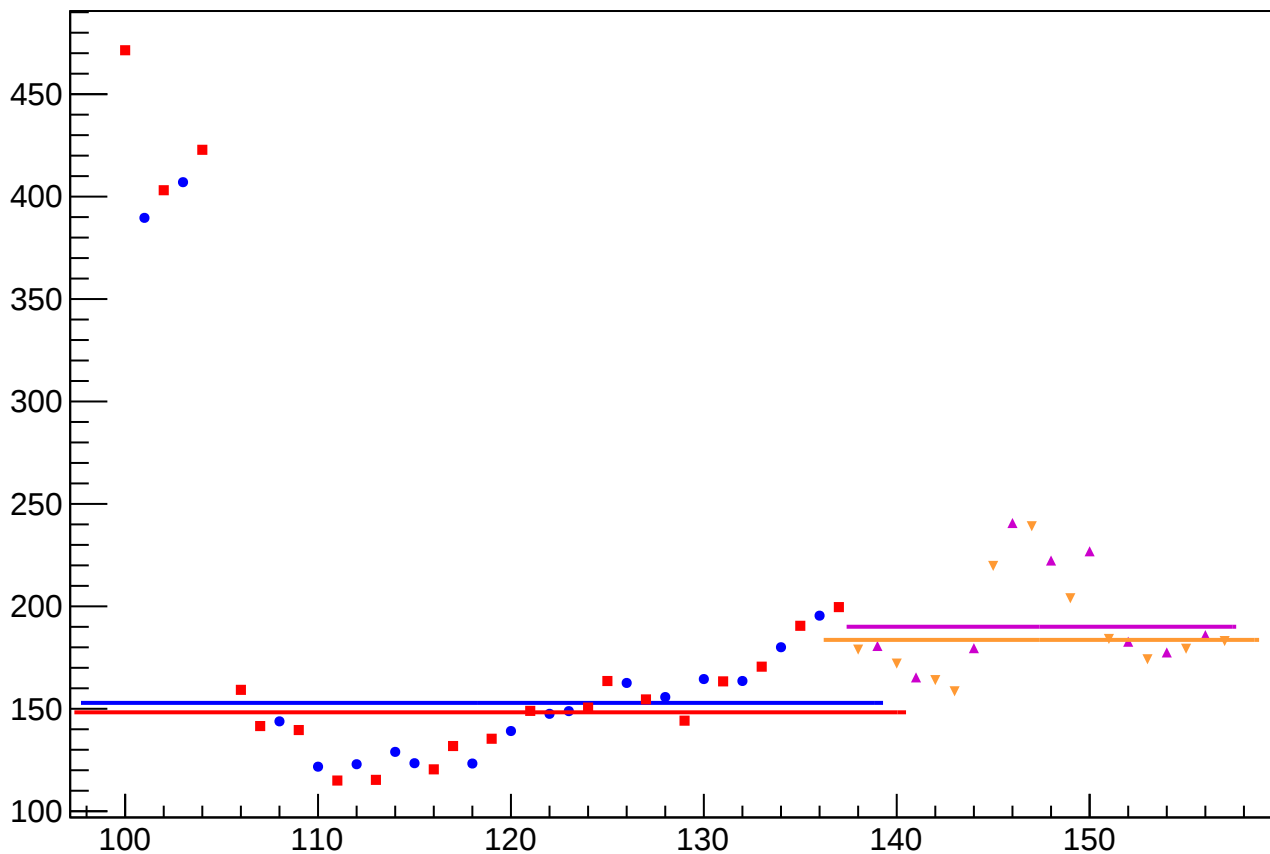
Left In: 149500.487 $\pm$ 0.071 χ^2 /NDF: 898394291.7/8

150190.609 $\pm$ 0.045 χ^2 /NDF: 5044720144.6/27

150303.620 $\pm$ 0.032 χ^2 /NDF: 956193157

150418.352 $\pm$ 0.046 χ^2 /NDF: 4504677648.5/28

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 152.883 +/- 0.045 χ^2/NDF : 1154088.7/16

Left Out: 183.629 +/- 0.046 χ^2/NDF : 199458.1/10

Right Out: 148.278 +/- 0.042 χ^2/NDF : 1192879.8/19

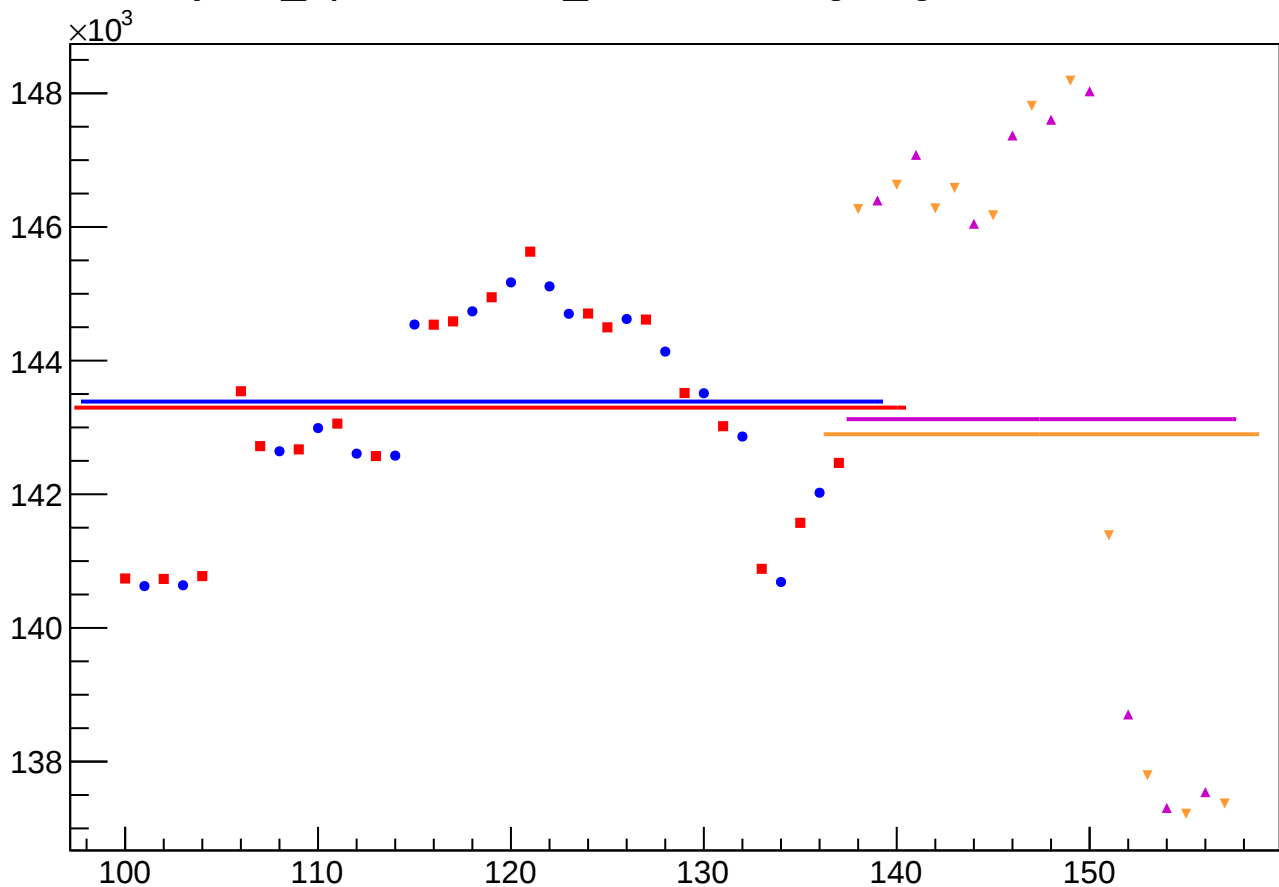
Left In: 190.050 +/- 0.050 χ^2/NDF : 207062.4/8

167.703 +/- 0.032 χ^2/NDF : 1583426.0/27

166.561 +/- 0.023 χ^2/NDF : 3390839.4/56

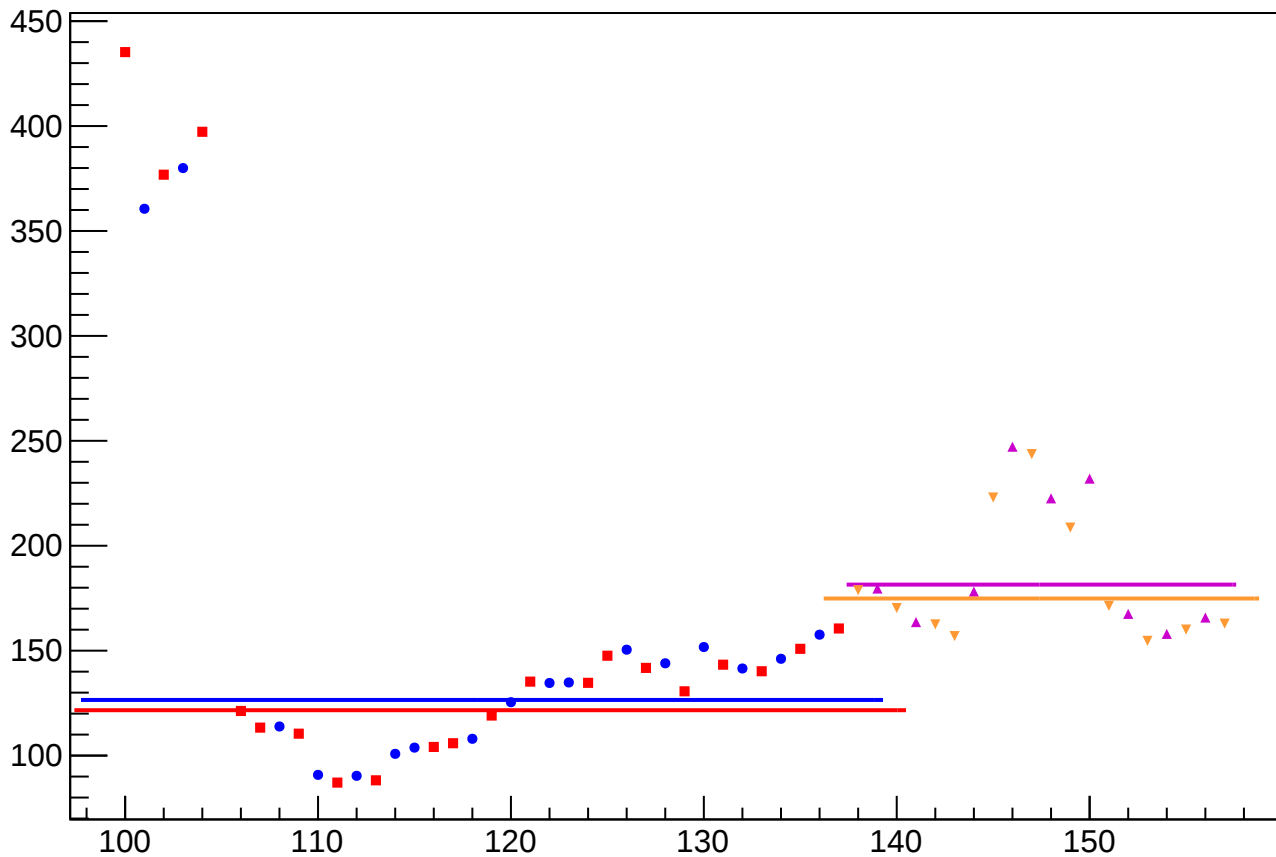
165.402 +/- 0.032 χ^2/NDF : 1804856.1/28

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 143387.099 $\pm$ 0.053	χ^2 /NDF: 521299875.7/16	143183.744 $\pm$ 0.040	χ^2 /NDF: 5471238885.8/27
Left Out: 142898.404 $\pm$ 0.062	χ^2 /NDF: 4914188778.1/10	143211.456 $\pm$ 0.028	χ^2 /NDF: 105142060
Right Out: 143296.790 $\pm$ 0.049	χ^2 /NDF: 615134284.0/19	143238.475 $\pm$ 0.040	χ^2 /NDF: 5042032749.6/28
Left In: 143123.991 $\pm$ 0.068	χ^2 /NDF: 4422679811.0/8		

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 126.514 +/- 0.037 χ^2/NDF : 1441685.0/16

Left Out: 174.859 +/- 0.044 χ^2/NDF : 308773.7/10

Right Out: 121.625 +/- 0.035 χ^2/NDF : 1465763.8/19

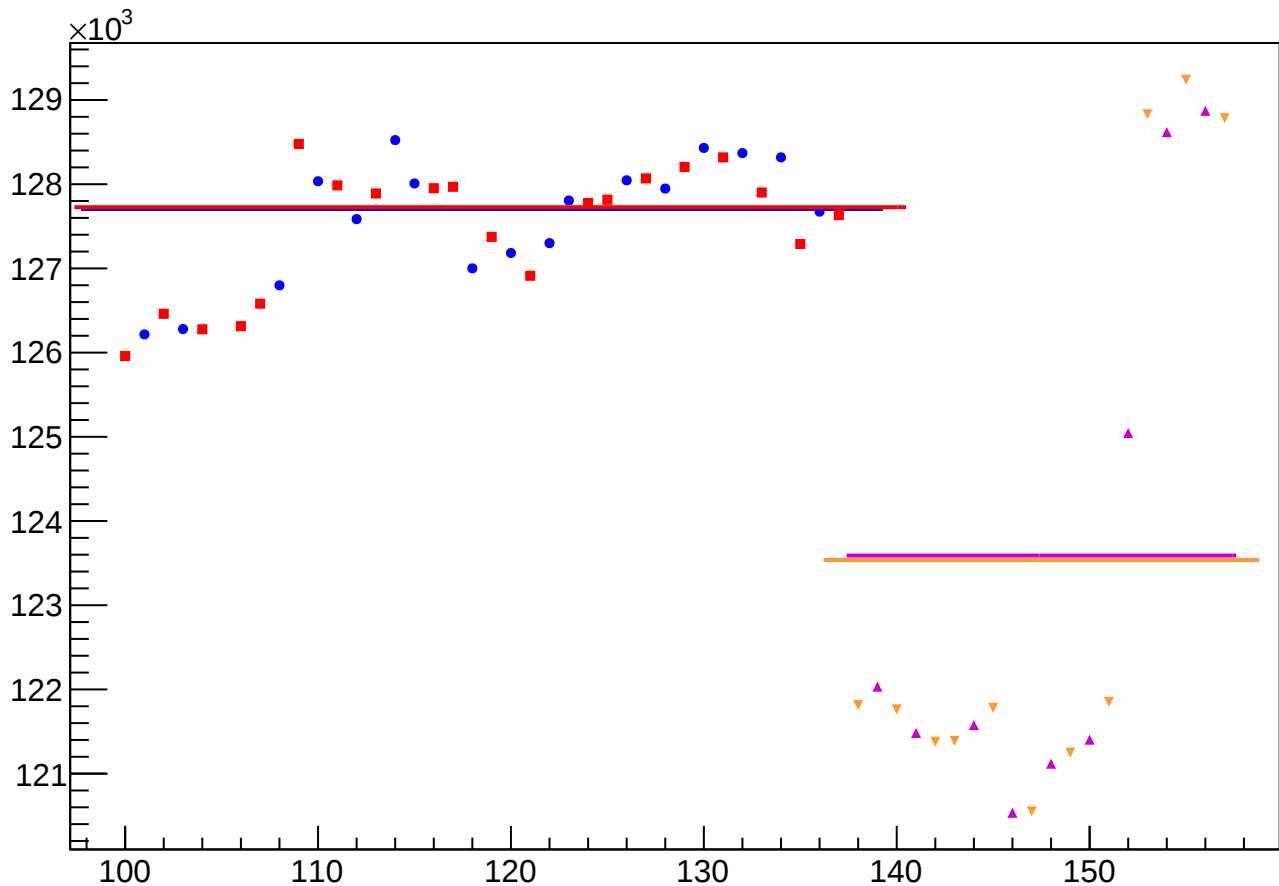
Left In: 181.474 +/- 0.048 χ^2/NDF : 327741.8/8

146.631 +/- 0.028 χ^2/NDF : 2450192.3/27

144.196 +/- 0.020 χ^2/NDF : 5270236.4/56

141.822 +/- 0.028 χ^2/NDF : 2805617.0/28

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127706.194 $\pm$ 0.058 χ^2 /NDF: 97860521.1/16

Left Out: 123537.337 $\pm$ 0.059 χ^2 /NDF: 3125306601.3/10

Right Out: 127726.708 $\pm$ 0.054 χ^2 /NDF: 112816704.3/19

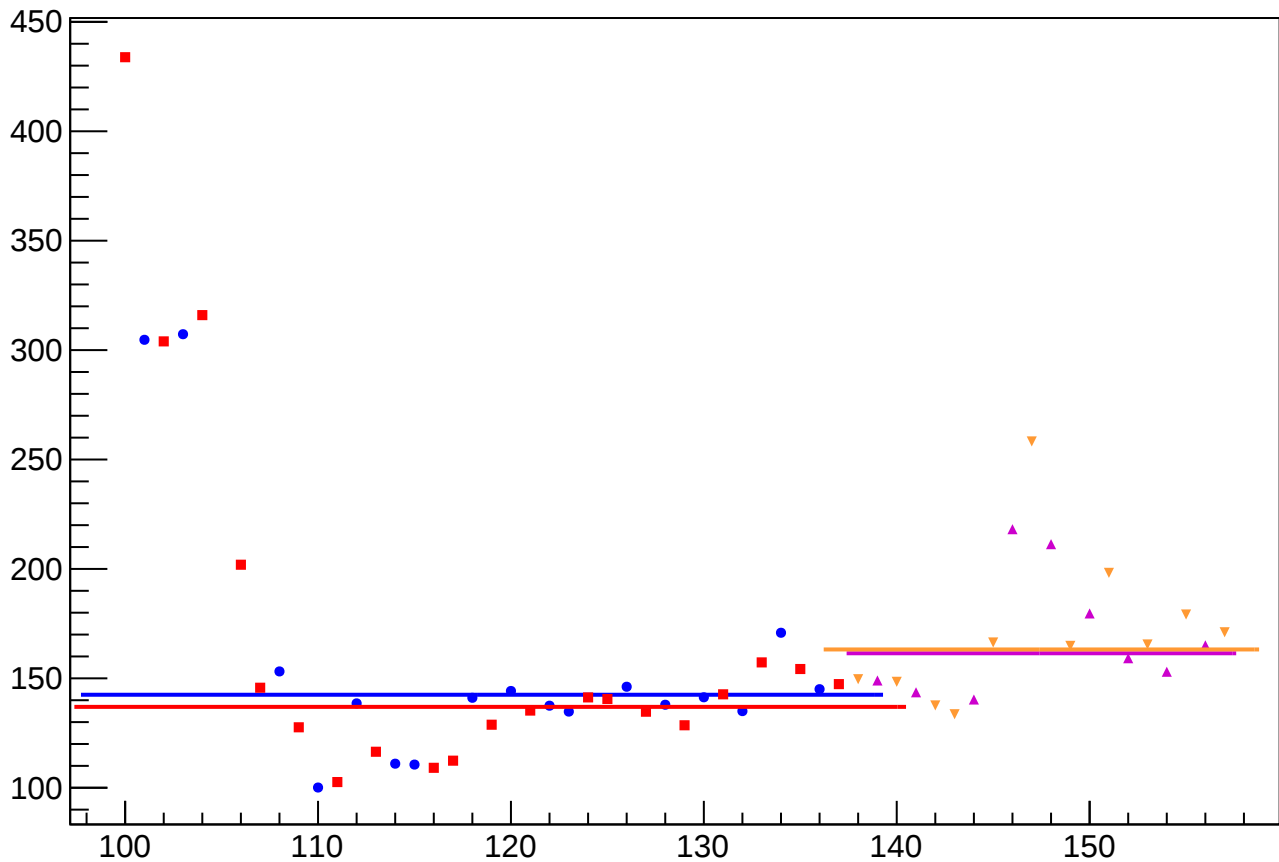
Left In: 123589.974 $\pm$ 0.061 χ^2 /NDF: 2524427817.3/8

125654.397 $\pm$ 0.041 χ^2 /NDF: 5760679618.7/27

125783.380 $\pm$ 0.029 χ^2 /NDF: 109735267

125907.637 $\pm$ 0.041 χ^2 /NDF: 5193766099.2/28

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.502 +/- 0.041 χ^2/NDF : 836263.7/16

Left Out: 163.200 +/- 0.042 χ^2/NDF : 391135.5/10

Right Out: 136.963 +/- 0.038 χ^2/NDF : 961465.0/19

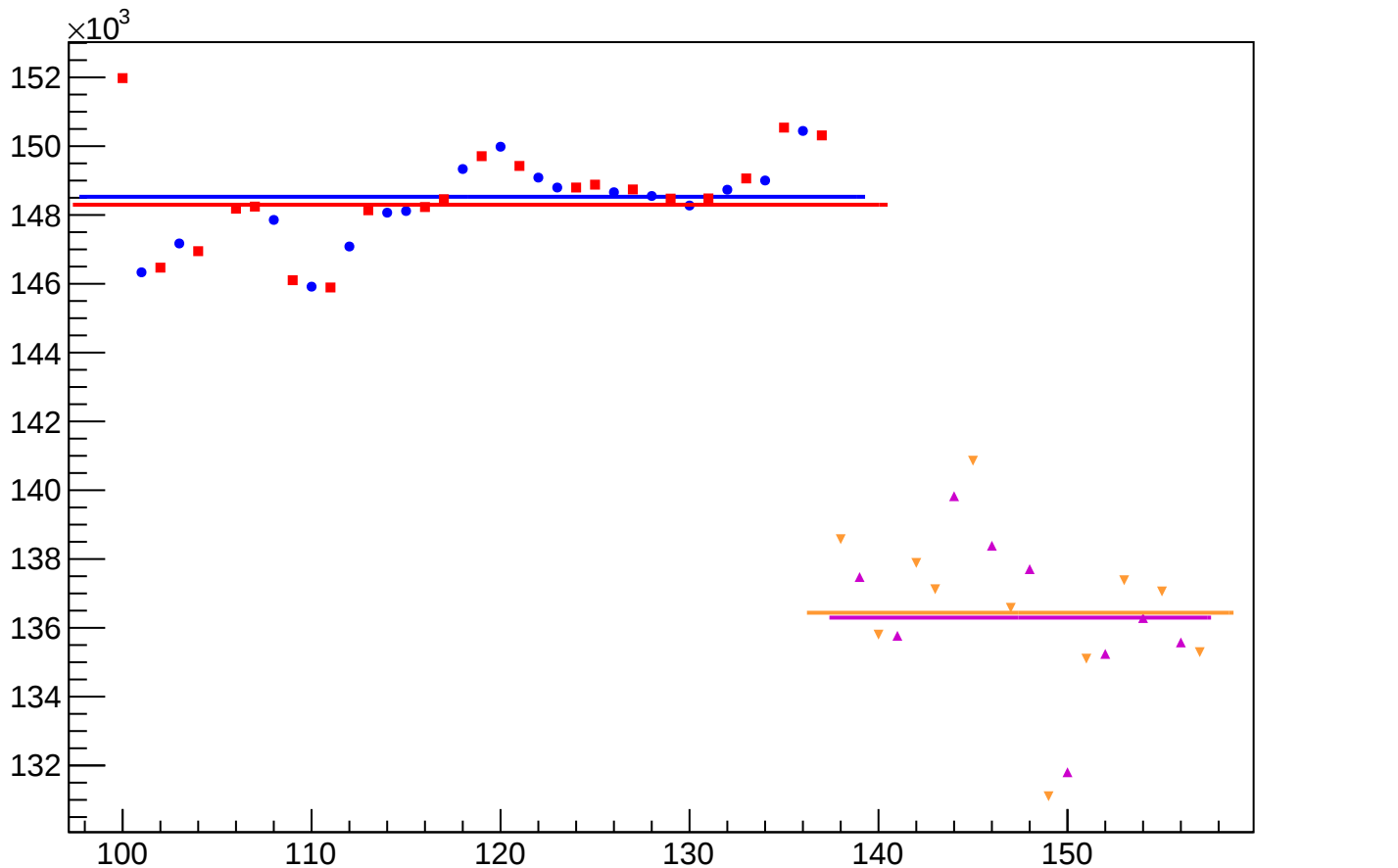
Left In: 161.456 +/- 0.043 χ^2/NDF : 287155.5/8

152.689 +/- 0.029 χ^2/NDF : 1352503.5/27

150.165 +/- 0.020 χ^2/NDF : 2794974.0/56

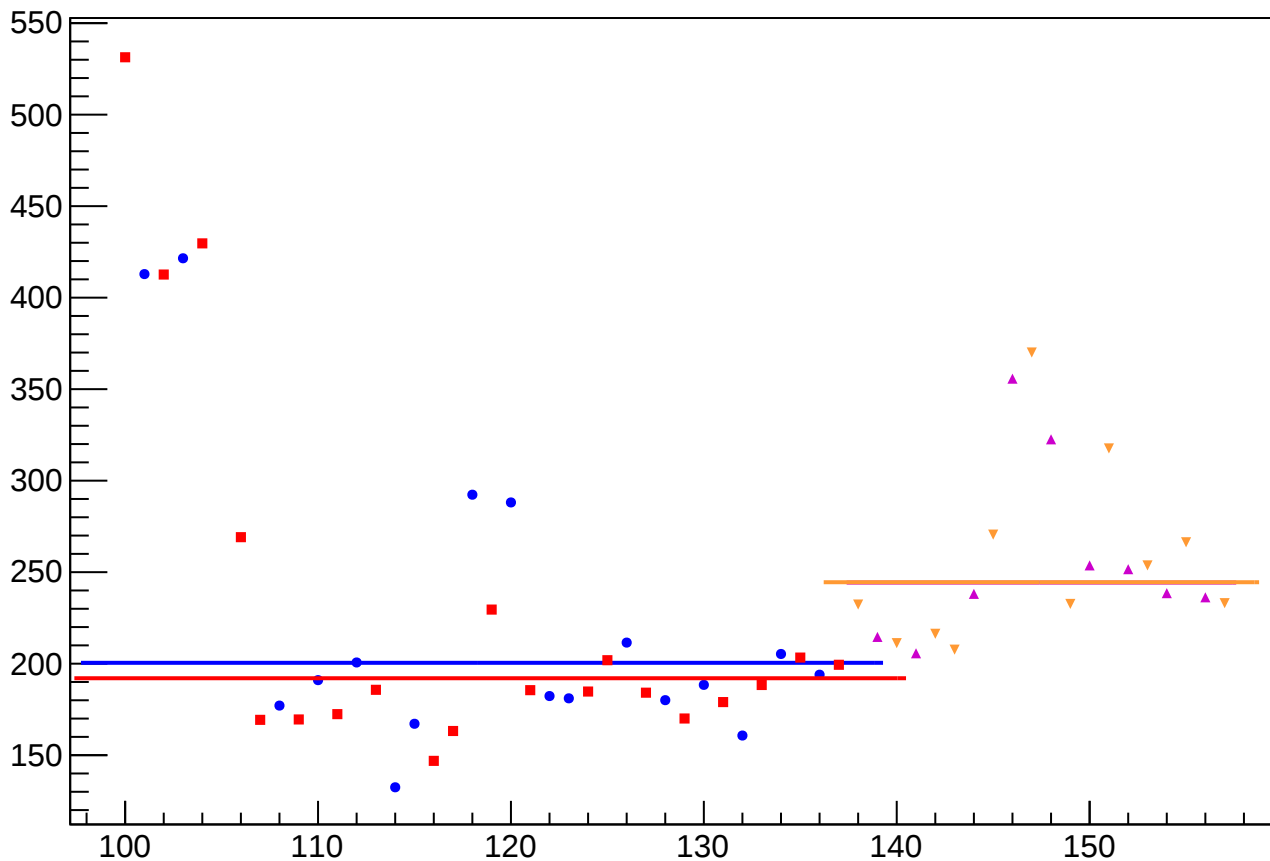
147.733 +/- 0.029 χ^2/NDF : 1427858.7/28

yield_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 148528.851 $\pm$ 0.082 χ^2/NDF : 209986594.2/16
 Left Out: 136439.376 $\pm$ 0.088 χ^2/NDF : 758494609.0/10
 Right Out: 148298.586 $\pm$ 0.076 χ^2/NDF : 293284830.9/19
 Left In: 136296.928 $\pm$ 0.092 χ^2/NDF : 540835333.5/8

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 200.472+/-0.058 χ^2/NDF : 936547.2/16

Left Out: 244.506+/-0.062 χ^2/NDF : 390576.1/10

Right Out: 192.040+/-0.054 χ^2/NDF : 847133.0/19

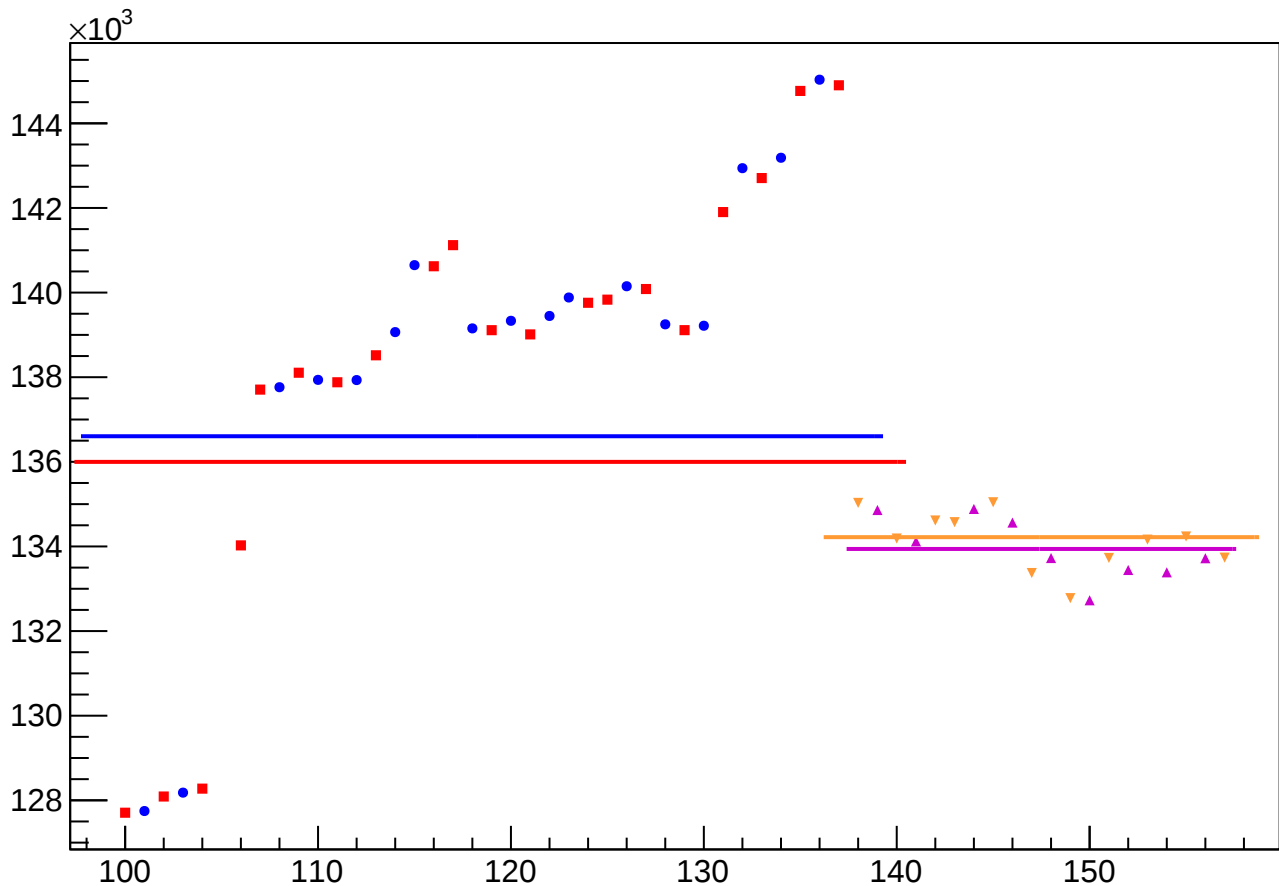
Left In: 244.318+/-0.065 χ^2/NDF : 336073.8/8

220.995+/-0.042 χ^2/NDF : 1595456.1/27

216.991+/-0.030 χ^2/NDF : 3177611.3/56

213.150+/-0.042 χ^2/NDF : 1564686.4/28

yield_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16

Left Out: 134219.511 $\pm$ 0.200 χ^2 /NDF: 10621673.8/10

Right Out: 135998.851 $\pm$ 0.182 χ^2 /NDF: 1084895879.4/19

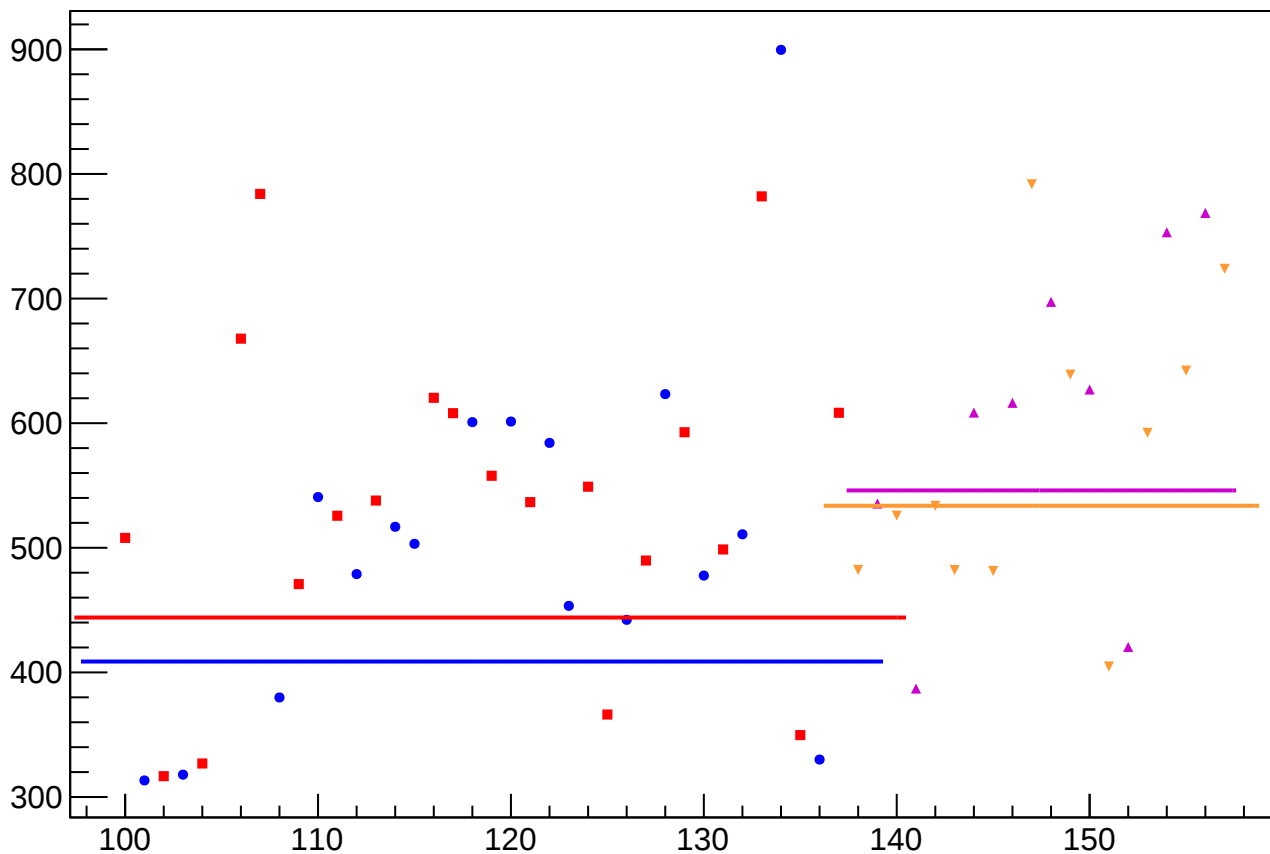
Left In: 133940.692 $\pm$ 0.224 χ^2 /NDF: 8703421.1/8

135594.526 $\pm$ 0.130 χ^2 /NDF: 1586947109.9/27

135403.332 $\pm$ 0.096 χ^2 /NDF: 273604909

135177.702 $\pm$ 0.141 χ^2 /NDF: 1144398563.4/28

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 408.729 $\pm$ 0.121 χ^2 /NDF: 823262.8/16

Left Out: 533.731 $\pm$ 0.141 χ^2 /NDF: 521816.3/10

Right Out: 444.034 $\pm$ 0.129 χ^2 /NDF: 922545.8/19

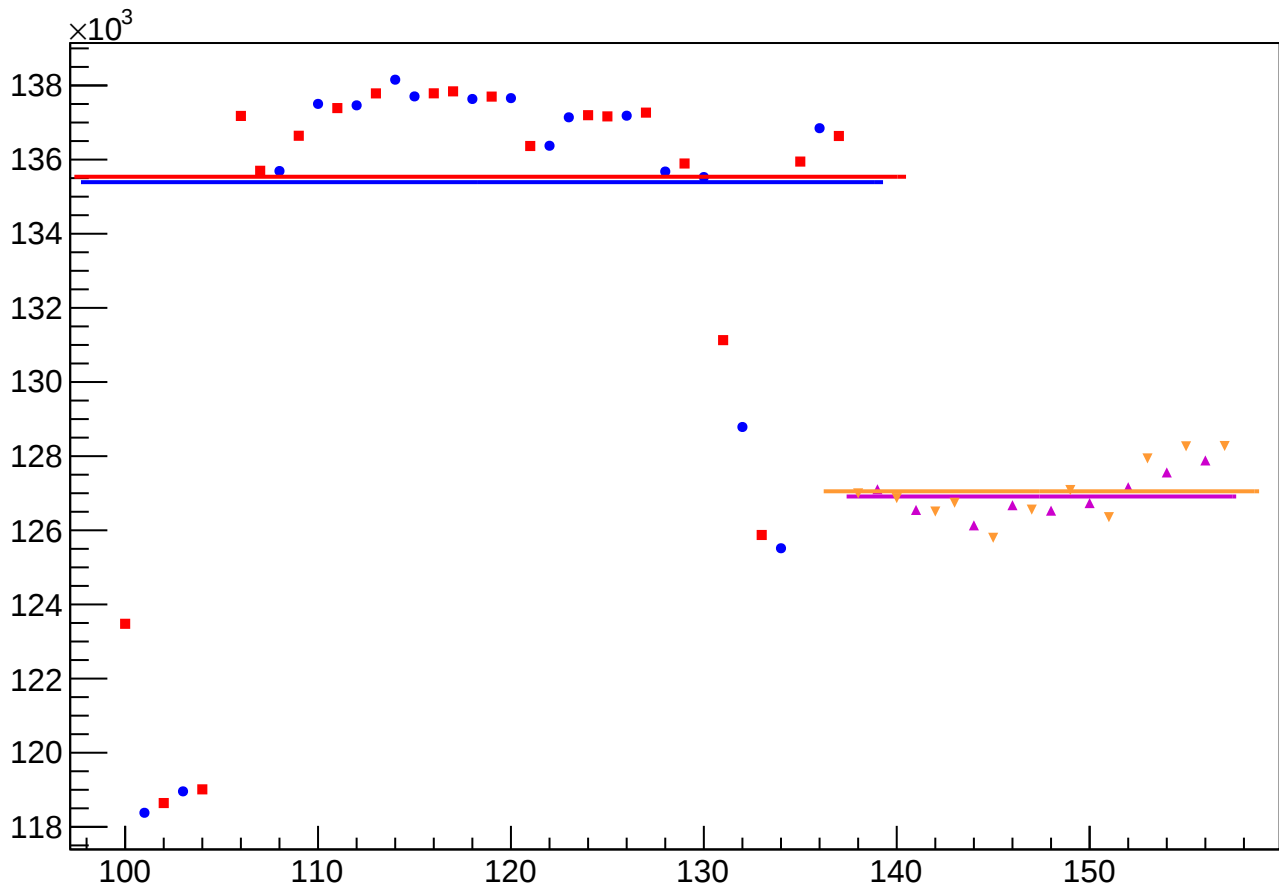
Left In: 546.040 $\pm$ 0.158 χ^2 /NDF: 689040.3/8

461.668 $\pm$ 0.092 χ^2 /NDF: 1795373.6/27

472.247 $\pm$ 0.068 χ^2 /NDF: 3685326.3/56

484.732 $\pm$ 0.100 χ^2 /NDF: 1861152.2/28

yield_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16

Left Out: 127052.183 $\pm$ 0.063 χ^2 /NDF: 141090035.9/10

Right Out: 135537.290 $\pm$ 0.064 χ^2 /NDF: 4748951957.4/19

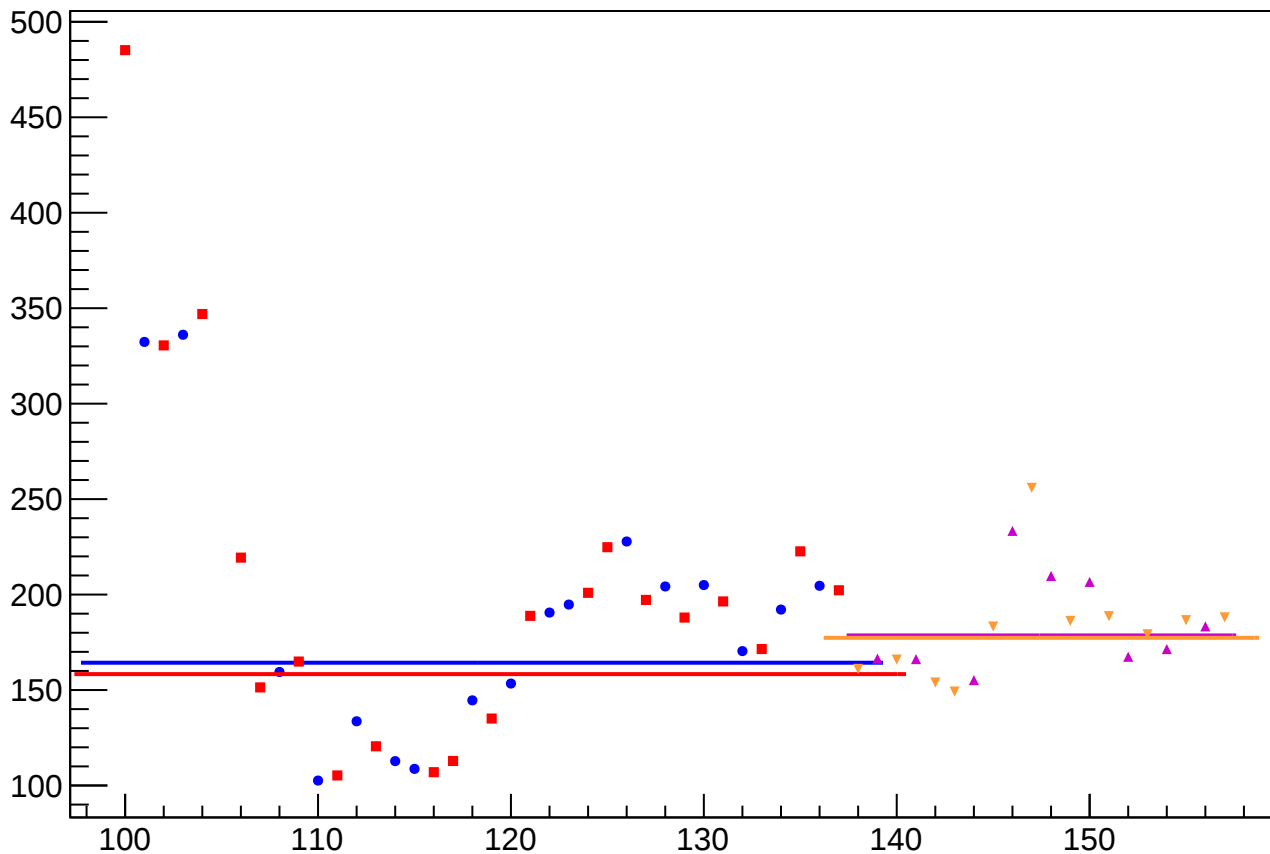
Left In: 126911.963 $\pm$ 0.067 χ^2 /NDF: 65016045.9/8

130913.922 $\pm$ 0.046 χ^2 /NDF: 12733953716.3/2

131178.859 $\pm$ 0.033 χ^2 /NDF: 262511294

131442.527 $\pm$ 0.046 χ^2 /NDF: 13452276842.0/2

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 164.311+/-0.048 χ^2/NDF : 1230487.8/16

Left Out: 177.351+/-0.045 χ^2/NDF : 253182.3/10

Right Out: 158.336+/-0.045 χ^2/NDF : 1398323.7/19

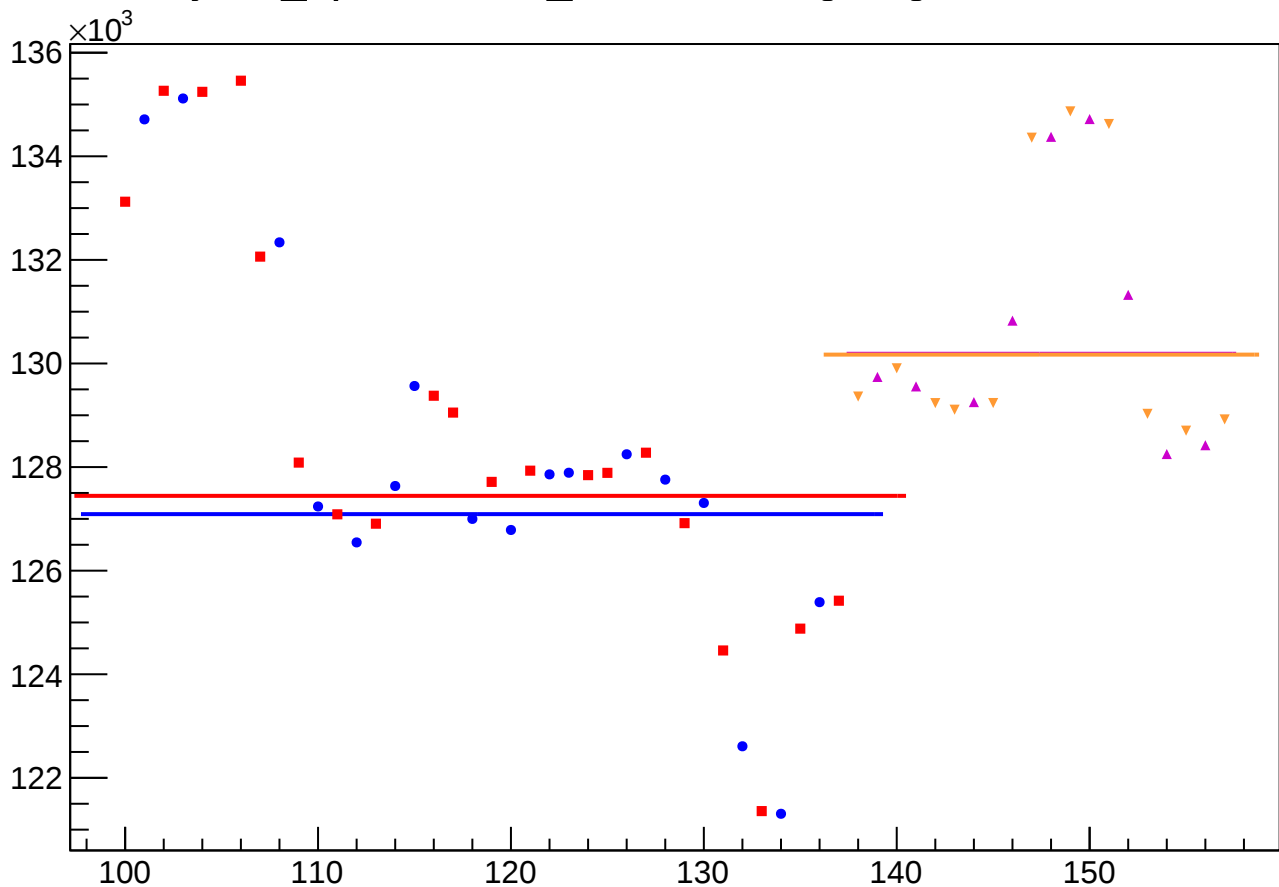
Left In: 178.594+/-0.048 χ^2/NDF : 218269.7/8

171.313+/-0.033 χ^2/NDF : 1522852.5/27

169.629+/-0.023 χ^2/NDF : 3239984.3/56

167.953+/-0.033 χ^2/NDF : 1711890.7/28

yield_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 127091.500 $\pm$ 0.066 χ^2 /NDF: 1717208780.6/16

Left Out: 130171.211 $\pm$ 0.064 χ^2 /NDF: 1072550364.1/10

Right Out: 127444.472 $\pm$ 0.061 χ^2 /NDF: 2082646787.7/19

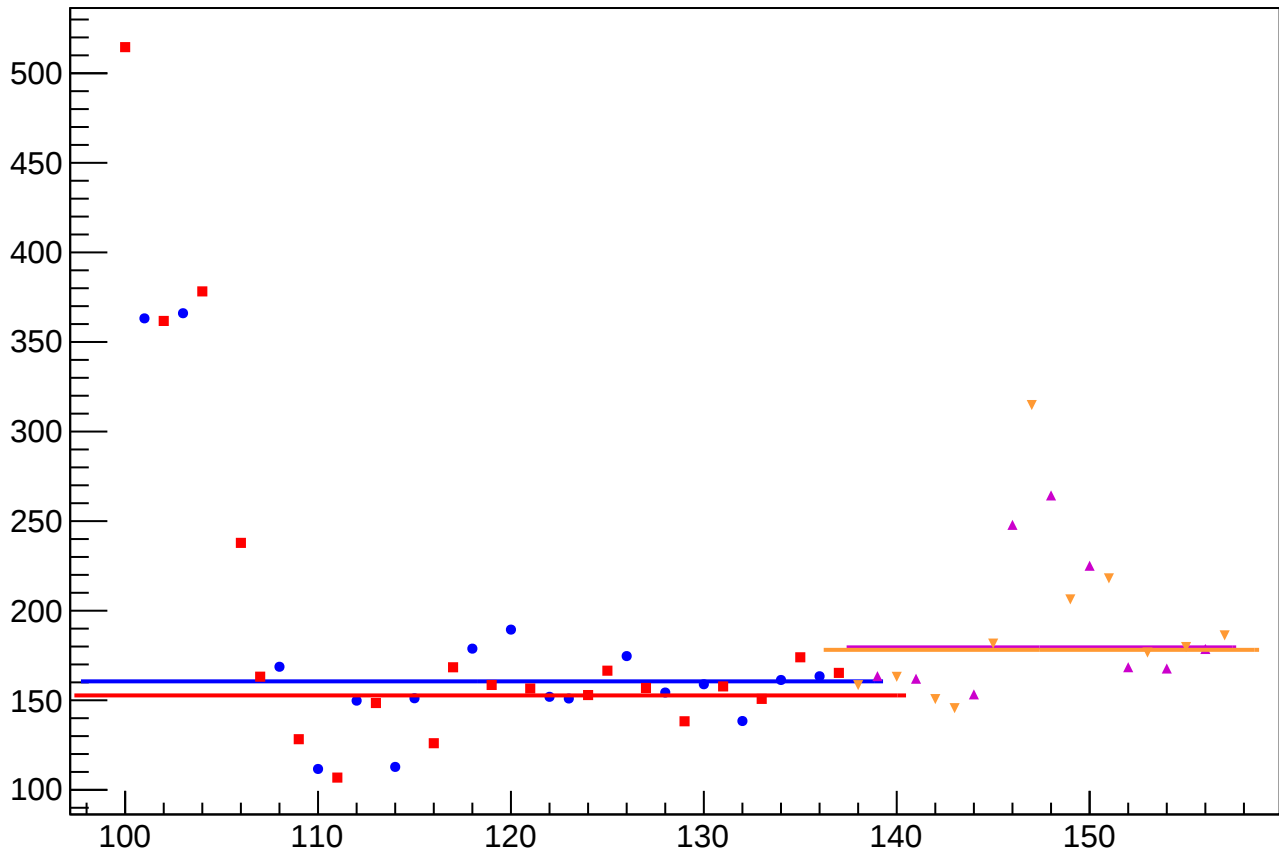
Left In: 130187.609 $\pm$ 0.068 χ^2 /NDF: 814190121.4/8

128675.410 $\pm$ 0.046 χ^2 /NDF: 3899361518.4/27

128673.473 $\pm$ 0.032 χ^2 /NDF: 768951727

128671.584 $\pm$ 0.046 χ^2 /NDF: 3790152289.0/28

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 160.564 ± 0.047 χ^2/NDF : 942747.0/16

Left Out: 178.153 ± 0.046 χ^2/NDF : 502476.9/10

Right Out: 152.711 ± 0.043 χ^2/NDF : 1087186.3/19

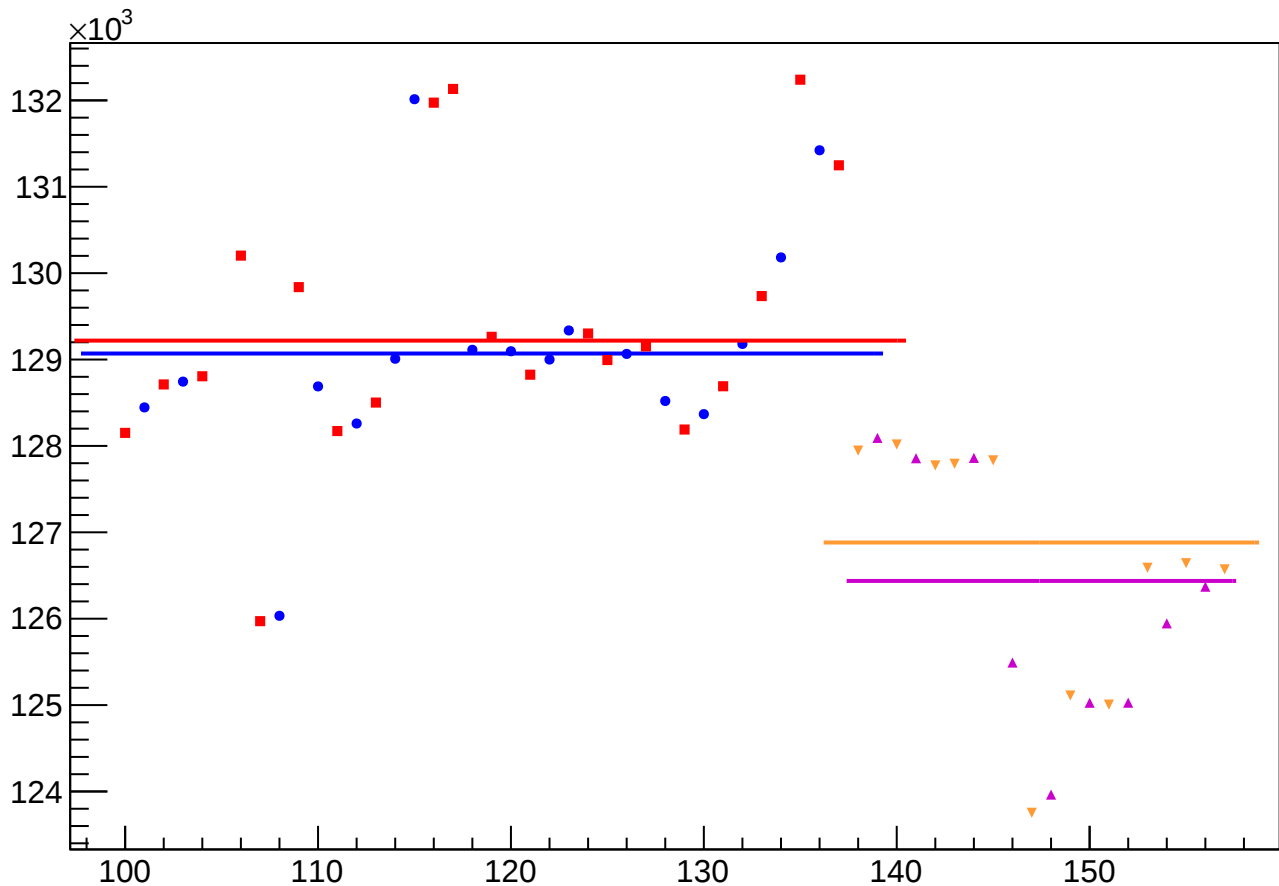
Left In: 179.532 ± 0.048 χ^2/NDF : 446202.5/8

169.610 ± 0.033 χ^2/NDF : 1517613.2/27

167.129 ± 0.023 χ^2/NDF : 3233201.1/56

164.709 ± 0.032 χ^2/NDF : 1704195.4/28

yield_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: 129069.668 $\pm$ 0.060 χ^2 /NDF: 476692316.5/16

Left Out: 126882.045 $\pm$ 0.061 χ^2 /NDF: 404460987.1/10

Right Out: 129219.072 $\pm$ 0.056 χ^2 /NDF: 660468184.1/19

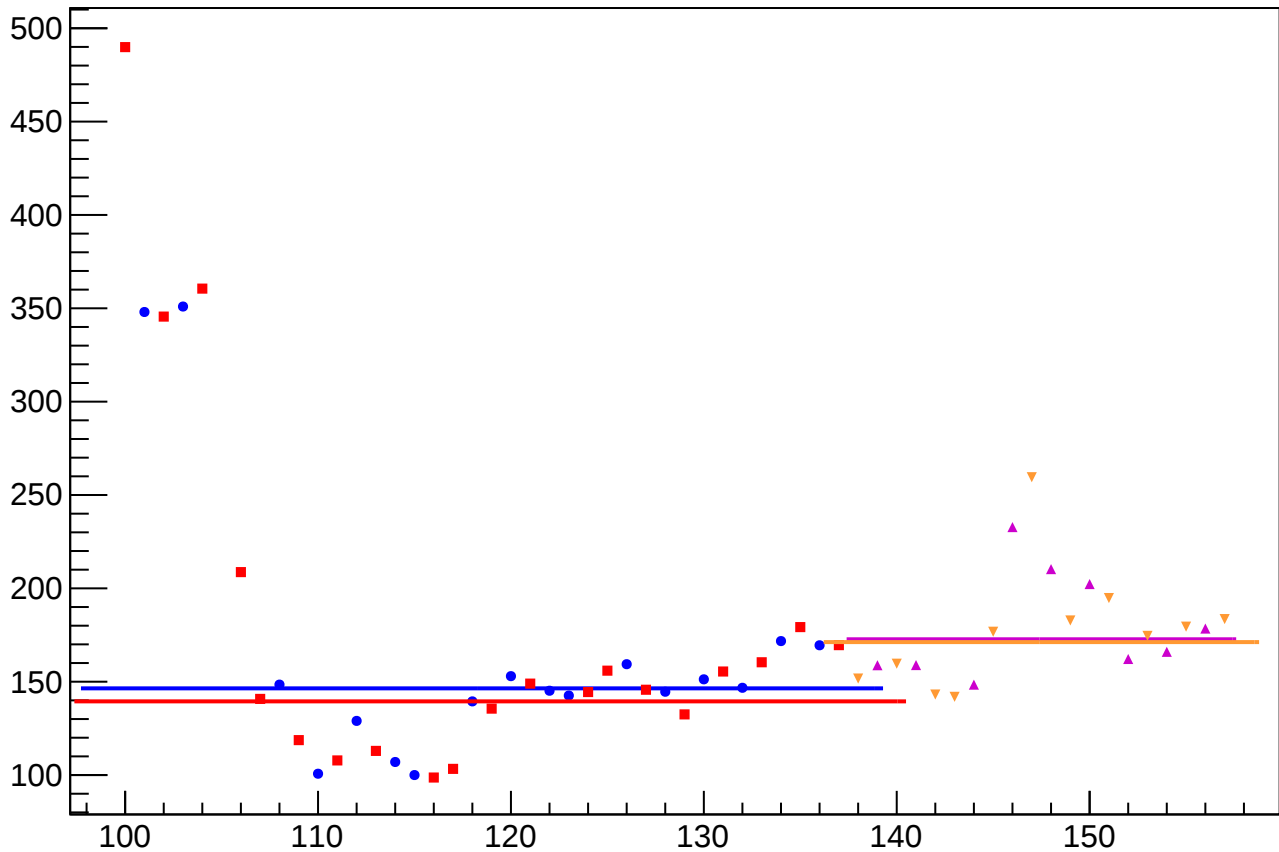
Left In: 126437.109 $\pm$ 0.065 χ^2 /NDF: 448255549.1/8

127997.894 $\pm$ 0.043 χ^2 /NDF: 1528765138.1/27

128021.026 $\pm$ 0.030 χ^2 /NDF: 369079052

128043.496 $\pm$ 0.042 χ^2 /NDF: 2161454170.2/28

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 146.437 $\pm$ 0.043 χ^2 /NDF: 1064791.0/16

Left Out: 171.217 $\pm$ 0.043 χ^2 /NDF: 340433.3/10

Right Out: 139.468 $\pm$ 0.039 χ^2 /NDF: 1214310.8/19

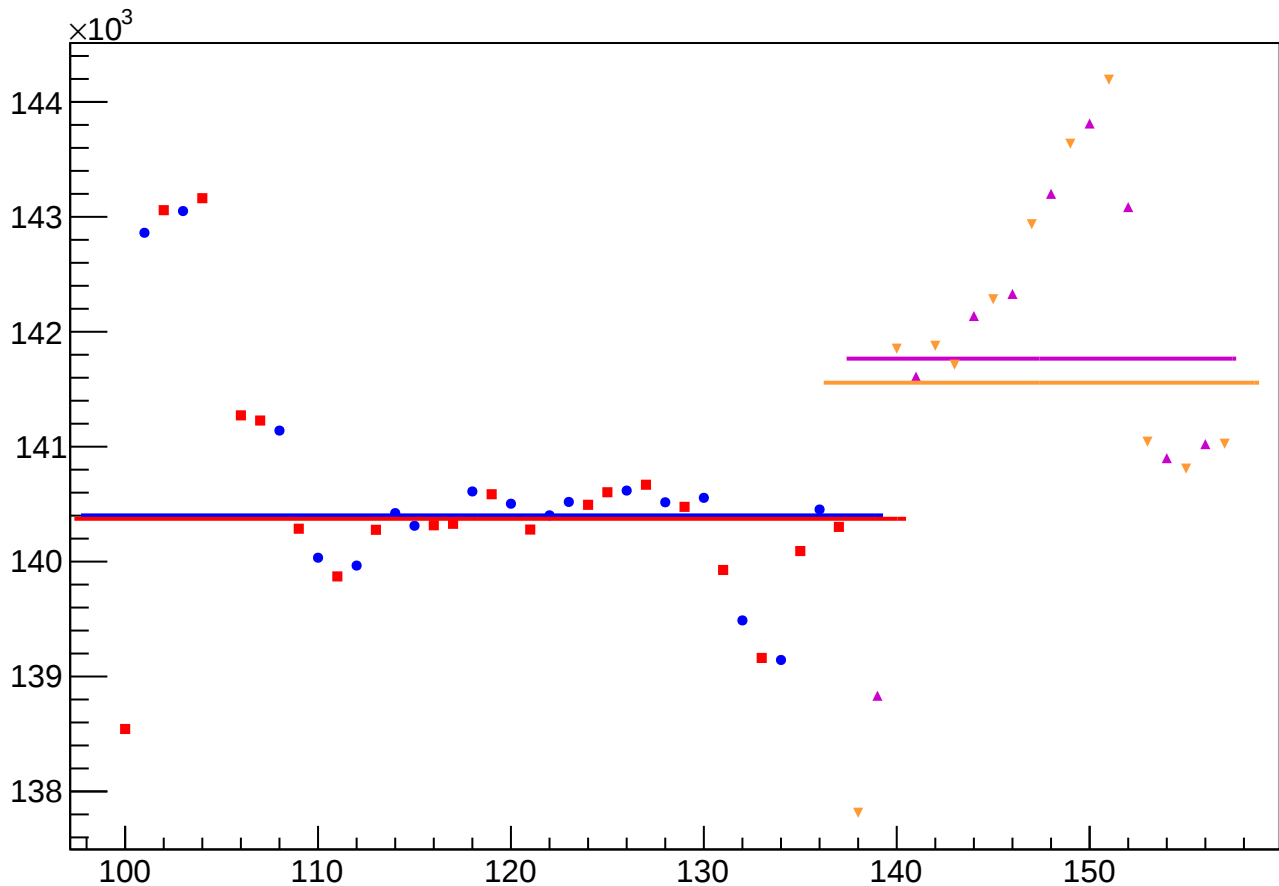
Left In: 172.720 $\pm$ 0.046 χ^2 /NDF: 270254.6/8

158.577 $\pm$ 0.030 χ^2 /NDF: 1571406.0/27

156.012 $\pm$ 0.021 χ^2 /NDF: 3370835.3/56

153.519 $\pm$ 0.030 χ^2 /NDF: 1785372.1/28

yield_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 140402.010 $\pm$ 0.064 χ^2 /NDF: 88071774.7/16

Left Out: 141556.980 $\pm$ 0.071 χ^2 /NDF: 556014152.0/10

Right Out: 140372.636 $\pm$ 0.059 χ^2 /NDF: 99861038.9/19

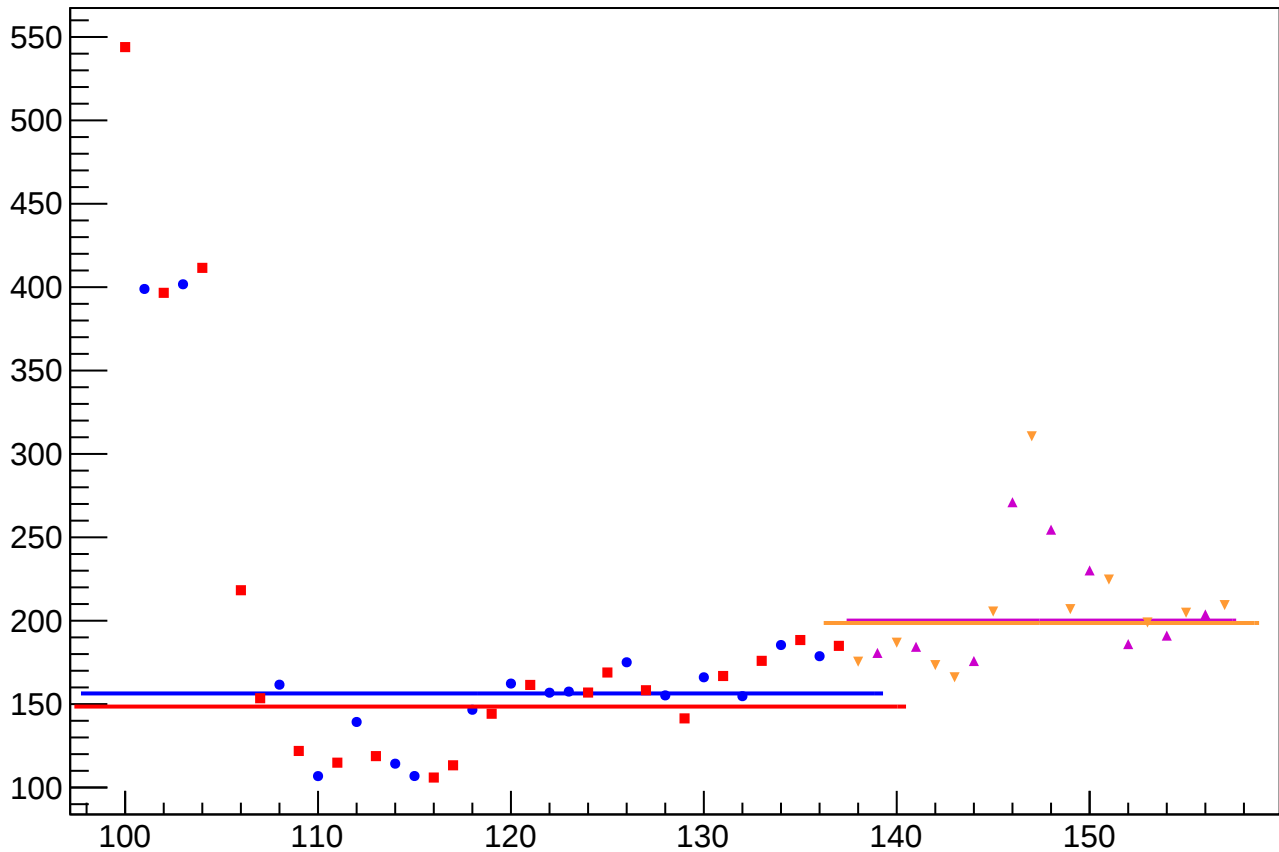
Left In: 141766.229 $\pm$ 0.076 χ^2 /NDF: 344878746.9/8

140919.412 $\pm$ 0.048 χ^2 /NDF: 788407591.2/27

140912.236 $\pm$ 0.033 χ^2 /NDF: 144295012

140905.371 $\pm$ 0.047 χ^2 /NDF: 654498454.4/28

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 156.394 $\pm$ 0.046 χ^2 /NDF: 1154804.2/16

Left Out: 198.643 $\pm$ 0.051 χ^2 /NDF: 329985.0/10

Right Out: 148.524 $\pm$ 0.042 χ^2 /NDF: 1316113.9/19

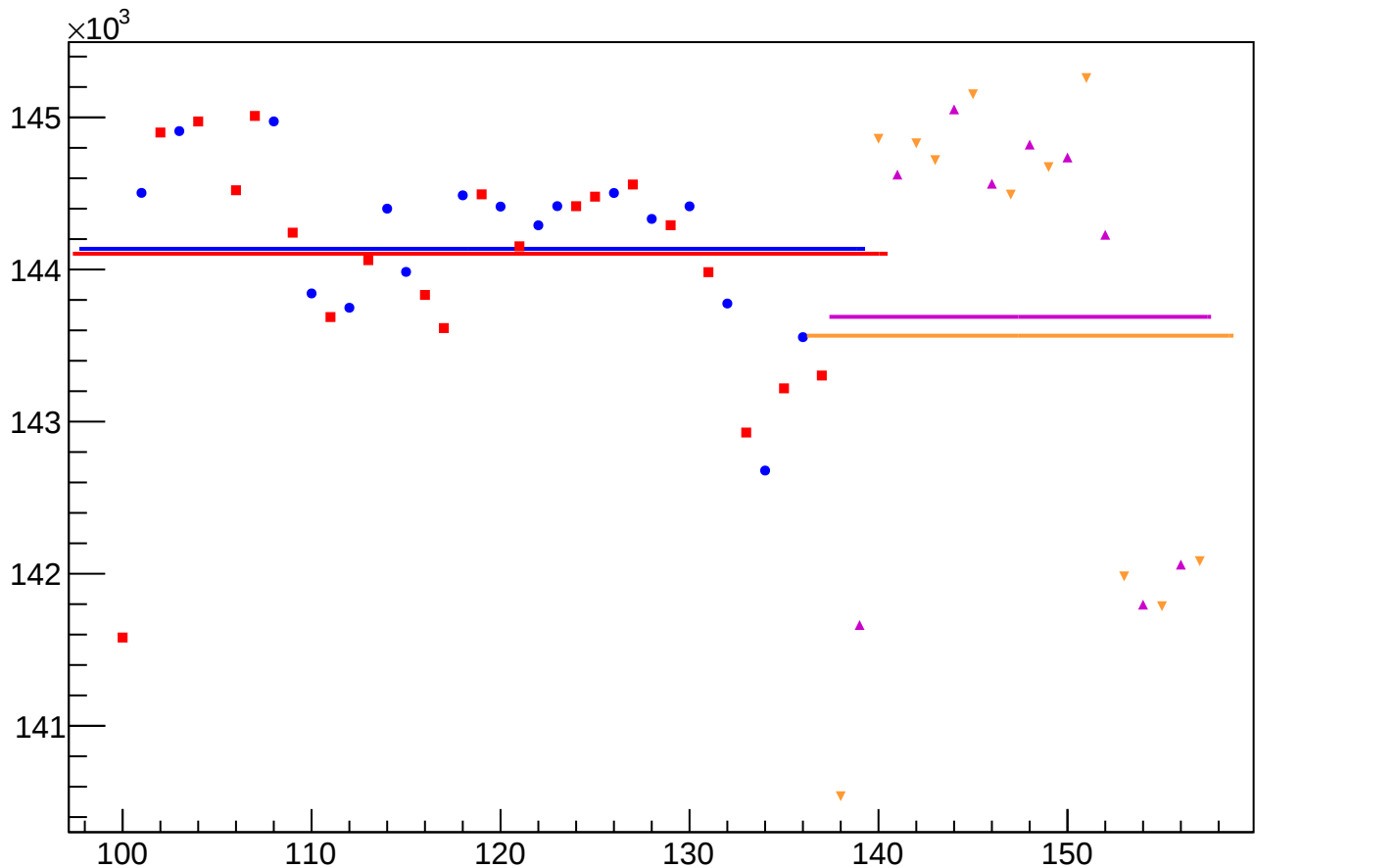
Left In: 200.072 $\pm$ 0.053 χ^2 /NDF: 281081.2/8

175.320 $\pm$ 0.034 χ^2 /NDF: 1871031.0/27

171.696 $\pm$ 0.024 χ^2 /NDF: 4064703.9/56

168.230 $\pm$ 0.033 χ^2 /NDF: 2171187.3/28

yield_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: 144136.118 $\pm$ 0.067 χ^2 /NDF: 47069480.3/16

Left Out: 143565.043 $\pm$ 0.071 χ^2 /NDF: 567443380.9/10

Right Out: 144103.887 $\pm$ 0.062 χ^2 /NDF: 65973087.5/19

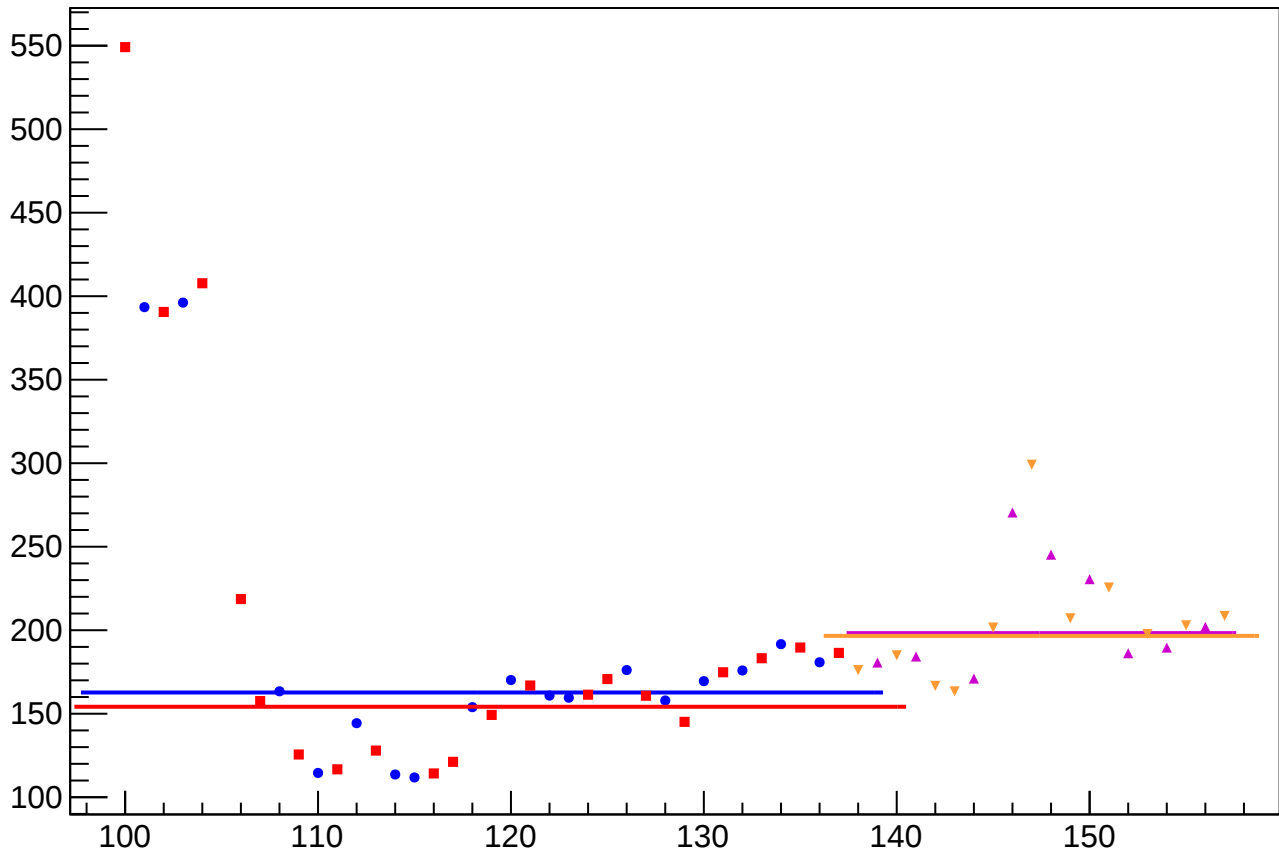
Left In: 143688.921 $\pm$ 0.075 χ^2 /NDF: 339893226.6/8

143866.590 $\pm$ 0.049 χ^2 /NDF: 649038521.3/27

143902.421 $\pm$ 0.034 χ^2 /NDF: 107428905

143936.839 $\pm$ 0.048 χ^2 /NDF: 424181282.1/28

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 162.714 $\pm$ 0.047 χ^2/NDF : 1066482.0/16

Left Out: 196.608 $\pm$ 0.050 χ^2/NDF : 324906.6/10

Right Out: 154.174 $\pm$ 0.044 χ^2/NDF : 1224004.2/19

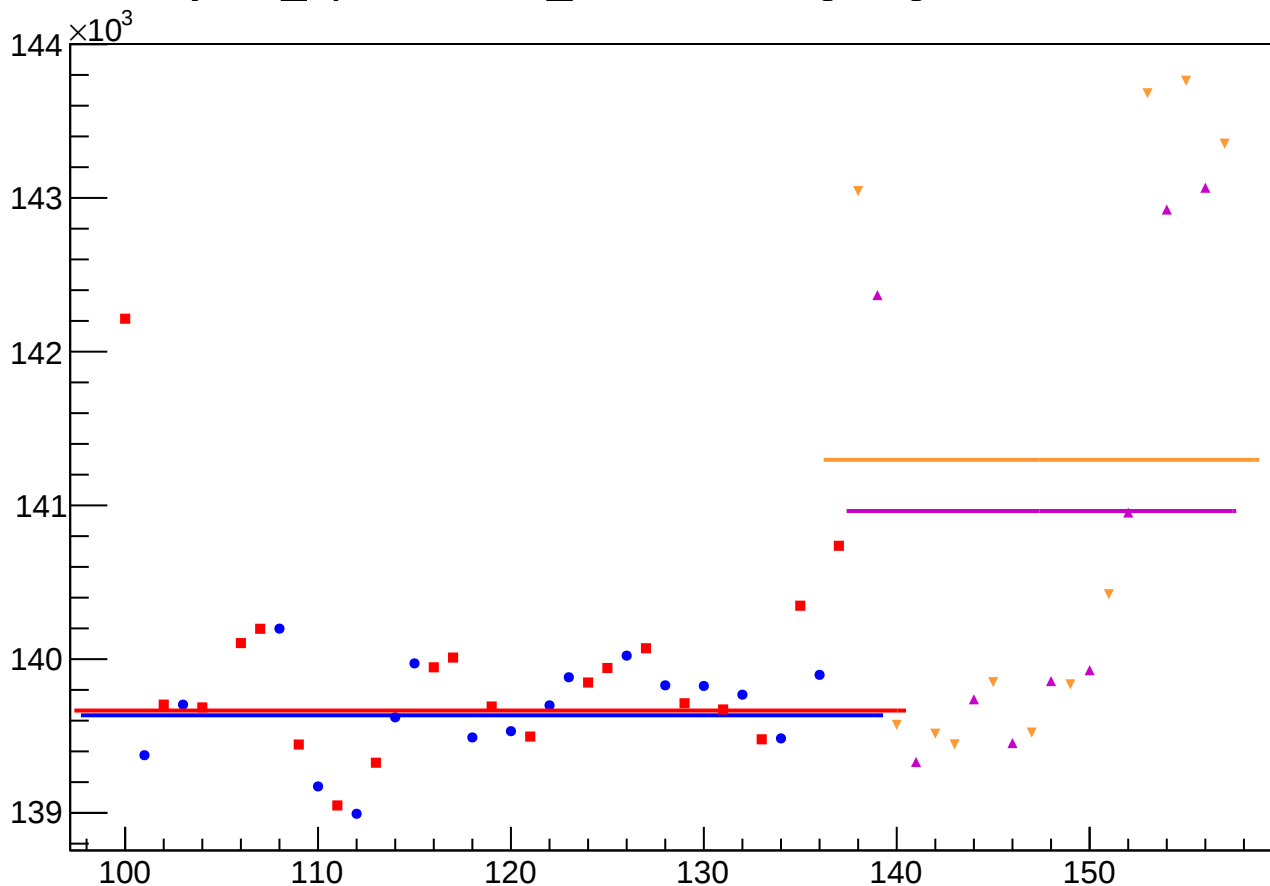
Left In: 198.270 $\pm$ 0.053 χ^2/NDF : 277787.7/8

178.711 $\pm$ 0.034 χ^2/NDF : 1634627.1/27

175.250 $\pm$ 0.024 χ^2/NDF : 3570011.5/56

171.925 $\pm$ 0.034 χ^2/NDF : 1915429.7/28

yield_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: 139634.700 $\pm$ 0.068 χ^2 /NDF: 24844912.0/16

Left Out: 141296.611 $\pm$ 0.075 χ^2 /NDF: 603070318.8/10

Right Out: 139665.743 $\pm$ 0.063 χ^2 /NDF: 38703726.2/19

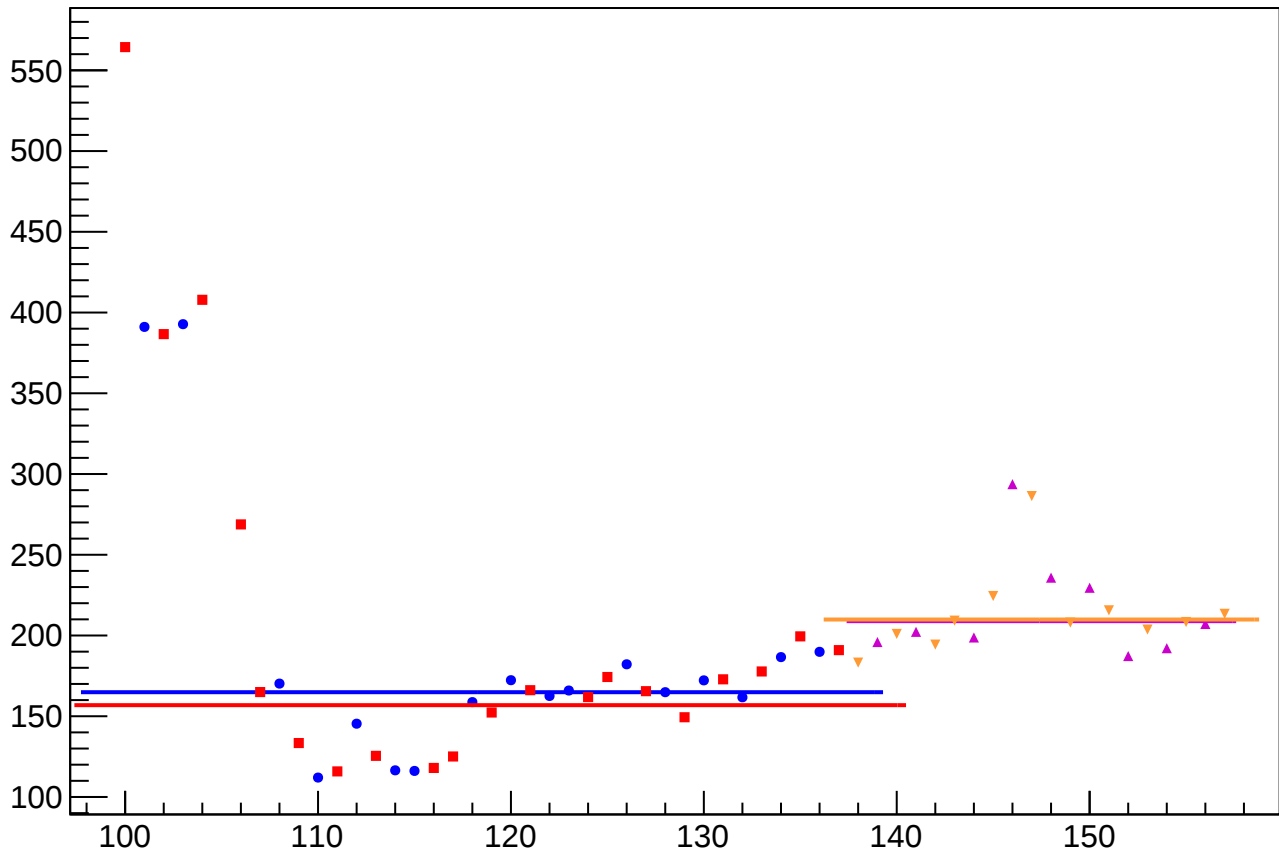
Left In: 140963.655 $\pm$ 0.079 χ^2 /NDF: 338749903.2/8

140383.694 $\pm$ 0.050 χ^2 /NDF: 898891586.0/27

140273.801 $\pm$ 0.035 χ^2 /NDF: 145187558

140168.997 $\pm$ 0.049 χ^2 /NDF: 543633810.5/28

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 164.884 $\pm$ 0.048 $\chi^2/\text{NDF}: 1066270.8/16$

Left Out: 209.901 $\pm$ 0.053 $\chi^2/\text{NDF}: 158979.0/10$

Right Out: 156.859 $\pm$ 0.044 $\chi^2/\text{NDF}: 1250656.2/19$

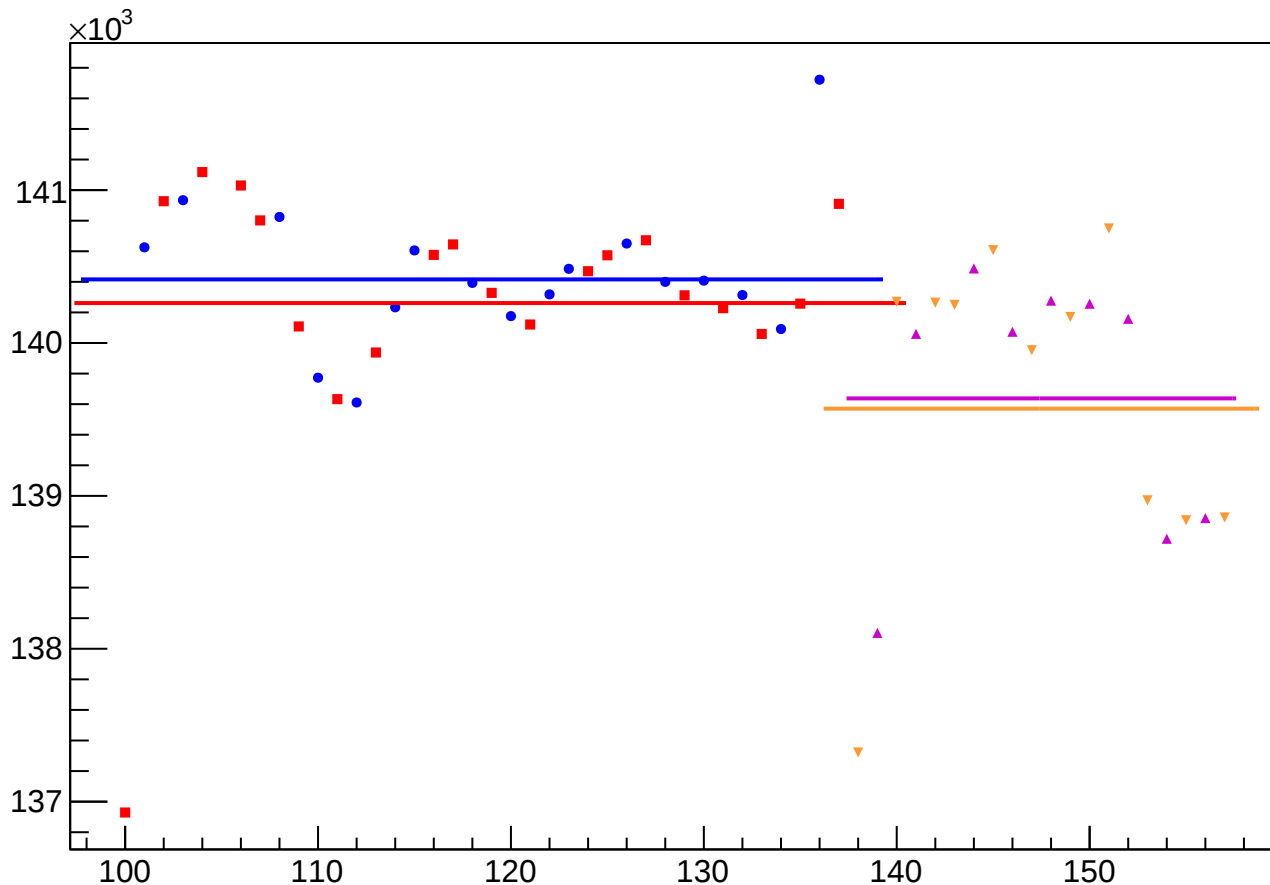
Left In: 208.885 $\pm$ 0.056 $\chi^2/\text{NDF}: 209948.5/8$

185.173 $\pm$ 0.036 $\chi^2/\text{NDF}: 1622897.3/27$

181.006 $\pm$ 0.025 $\chi^2/\text{NDF}: 3644394.4/56$

177.032 $\pm$ 0.035 $\chi^2/\text{NDF}: 1994609.2/28$

yield_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 140416.064 $\pm$ 0.068 χ^2 /NDF: 69975821.3/16

Left Out: 139570.558 $\pm$ 0.069 χ^2 /NDF: 232589379.7/10

Right Out: 140261.267 $\pm$ 0.063 χ^2 /NDF: 38479140.4/19

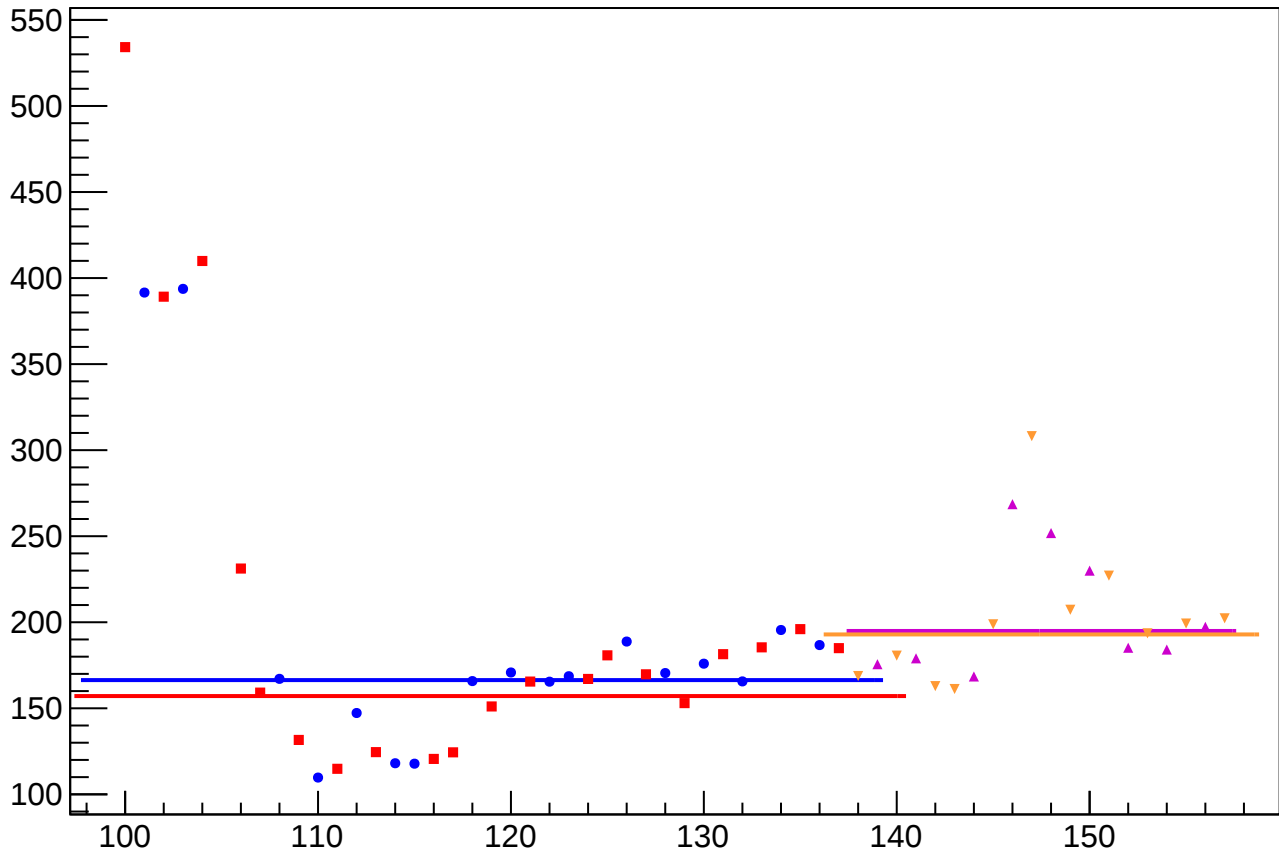
Left In: 139637.582 $\pm$ 0.074 χ^2 /NDF: 129552887.3/8

139999.100 $\pm$ 0.049 χ^2 /NDF: 377931958.1/27

139999.070 $\pm$ 0.034 χ^2 /NDF: 587440177

139999.041 $\pm$ 0.048 χ^2 /NDF: 209508218.5/28

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 166.388+/-0.048 χ^2/NDF : 1080964.8/16

Left Out: 192.921+/-0.049 χ^2/NDF : 380841.3/10

Right Out: 157.110+/-0.044 χ^2/NDF : 1235934.7/19

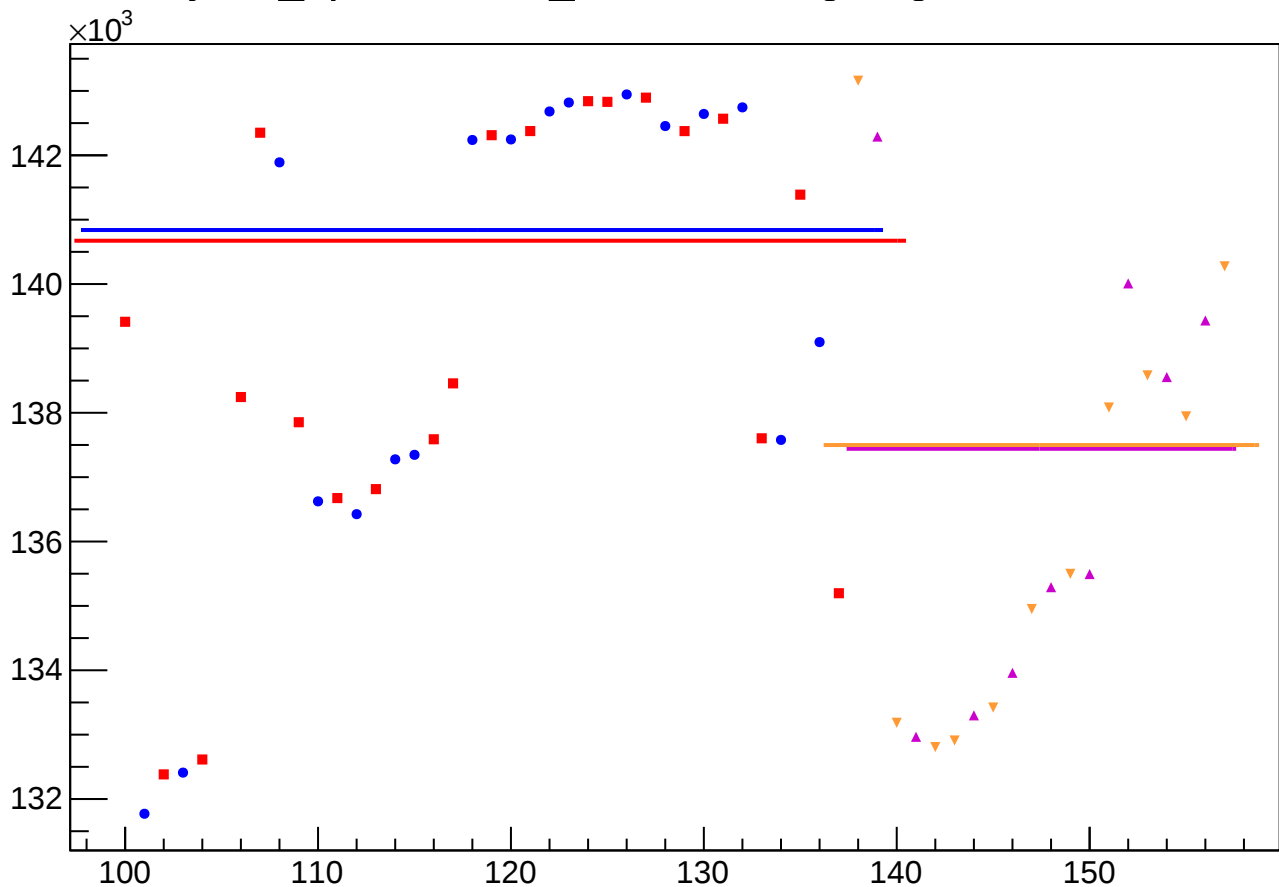
Left In: 194.930+/-0.052 χ^2/NDF : 318339.9/8

179.473+/-0.034 χ^2/NDF : 1610245.1/27

176.183+/-0.024 χ^2/NDF : 3487472.9/56

173.012+/-0.034 χ^2/NDF : 1859297.4/28

yield_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 140839.133 ± 0.100 $\chi^2/\text{NDF}: 822682996.3/16$

Left Out: 137498.935 ± 0.109 $\chi^2/\text{NDF}: 1166844058.0/10$

Right Out: 140672.898 ± 0.099 $\chi^2/\text{NDF}: 841965357.5/19$

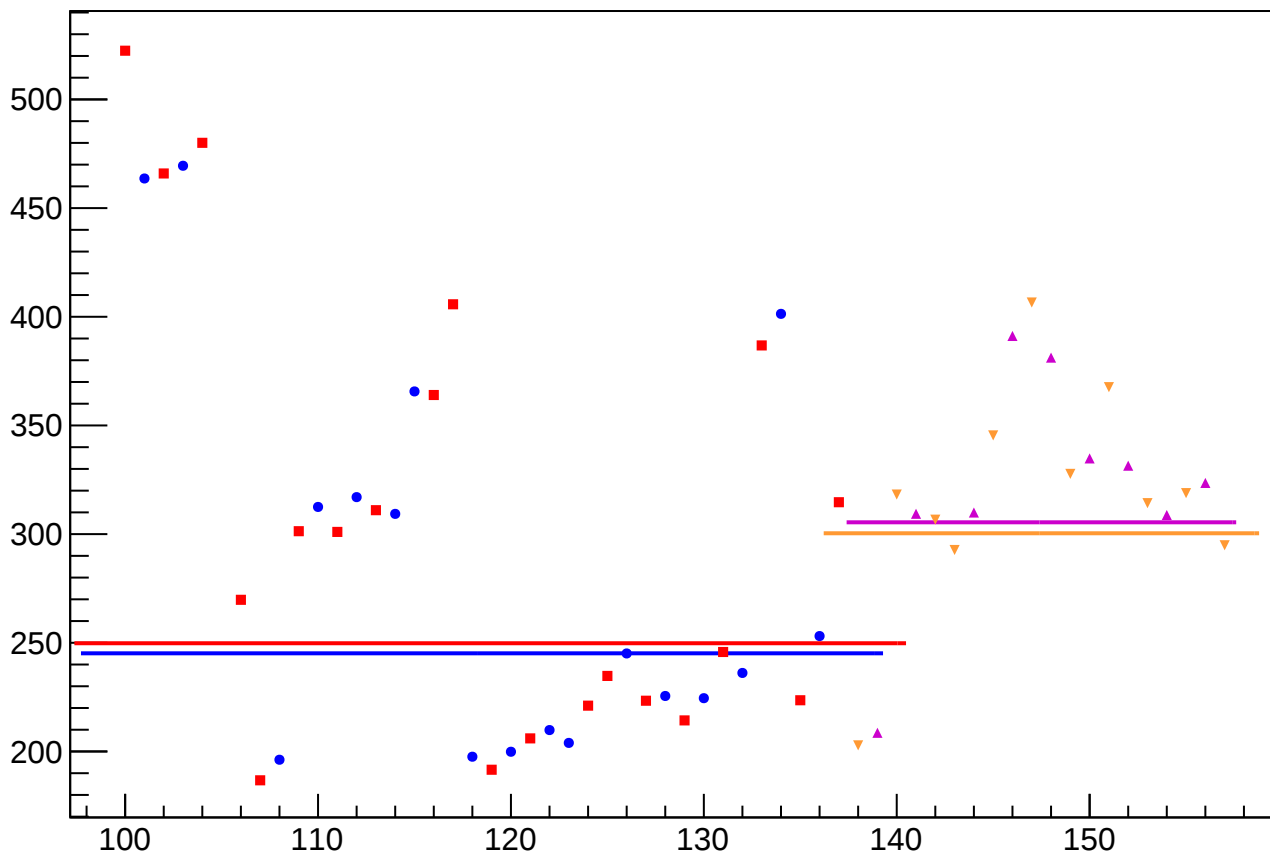
Left In: 137440.716 ± 0.117 $\chi^2/\text{NDF}: 869851895.4/8$

139316.024 ± 0.074 $\chi^2/\text{NDF}: 2498156558.9/27$

139320.196 ± 0.053 $\chi^2/\text{NDF}: 465485451$

139324.575 ± 0.076 $\chi^2/\text{NDF}: 2156691398.0/28$

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 245.159+/-0.071 χ^2/NDF : 869491.6/16

Left Out: 300.390+/-0.077 χ^2/NDF : 532351.2/10

Right Out: 249.792+/-0.070 χ^2/NDF : 1022316.0/19

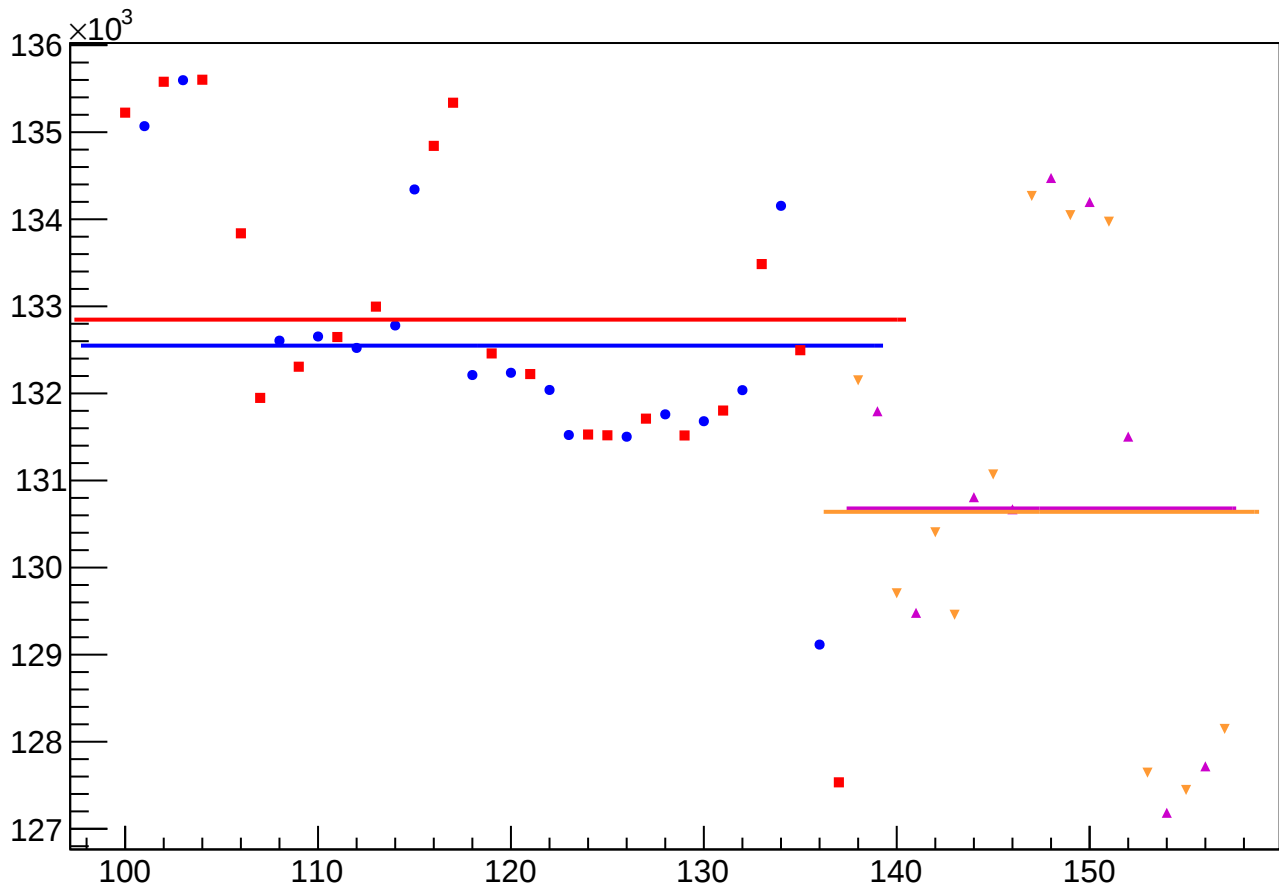
Left In: 305.435+/-0.083 χ^2/NDF : 443992.8/8

270.344+/-0.052 χ^2/NDF : 1679972.6/27

271.642+/-0.037 χ^2/NDF : 3411246.6/56

273.004+/-0.053 χ^2/NDF : 1730004.6/28

yield_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: 132548.888 ± 0.119 $\chi^2/\text{NDF}: 161115079.9/16$

Left Out: 130640.358 ± 0.087 $\chi^2/\text{NDF}: 514854890.5/10$

Right Out: 132847.502 ± 0.107 $\chi^2/\text{NDF}: 151618589.4/19$

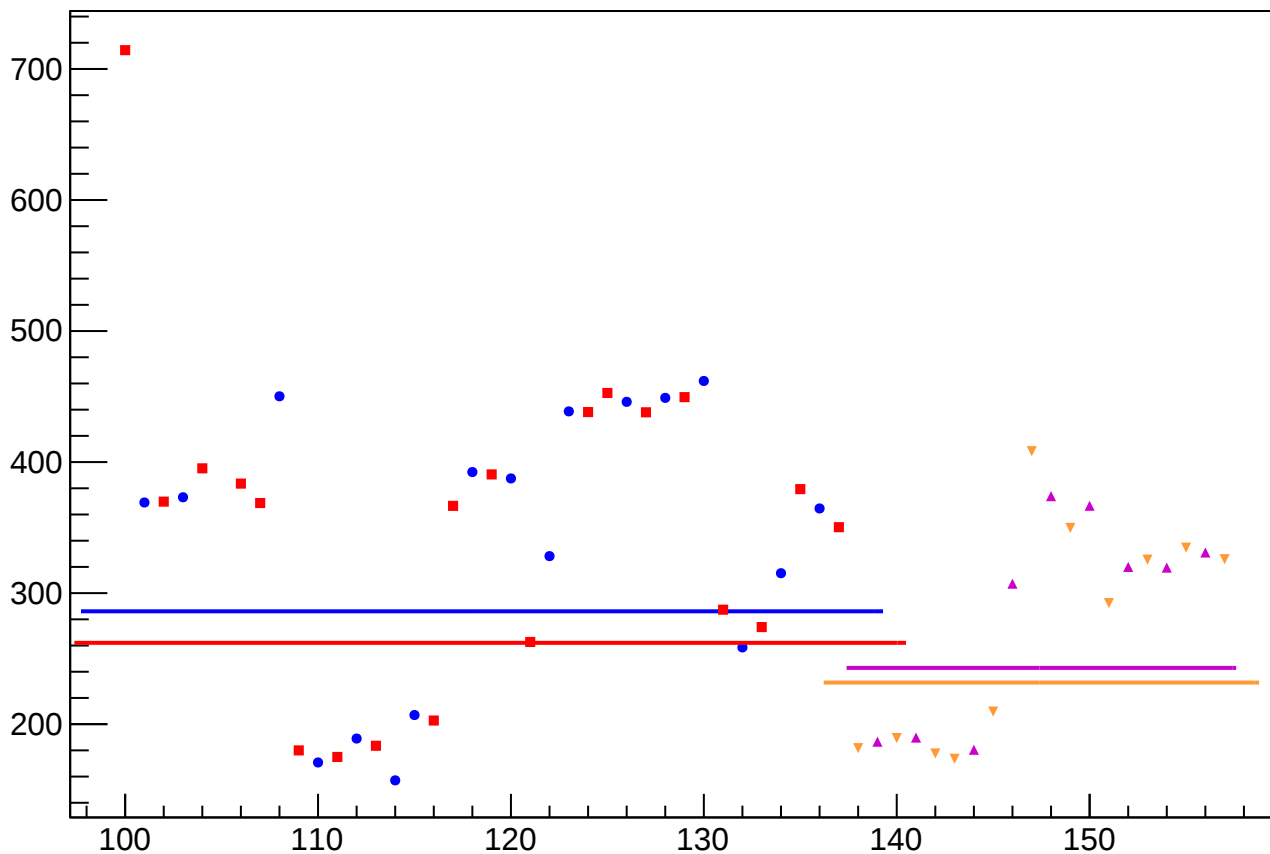
Left In: 130678.895 ± 0.095 $\chi^2/\text{NDF}: 383751906.6/8$

131297.806 ± 0.070 $\chi^2/\text{NDF}: 843535554.3/27$

131465.936 ± 0.050 $\chi^2/\text{NDF}: 161987179$

131639.287 ± 0.071 $\chi^2/\text{NDF}: 764639986.0/28$

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 286.122+/-0.084 χ^2/NDF : 1525266.4/16

Left Out: 231.742+/-0.061 χ^2/NDF :1354344.8/10

Right Out: 262.073+/-0.076 χ^2/NDF : 1630239.5/19

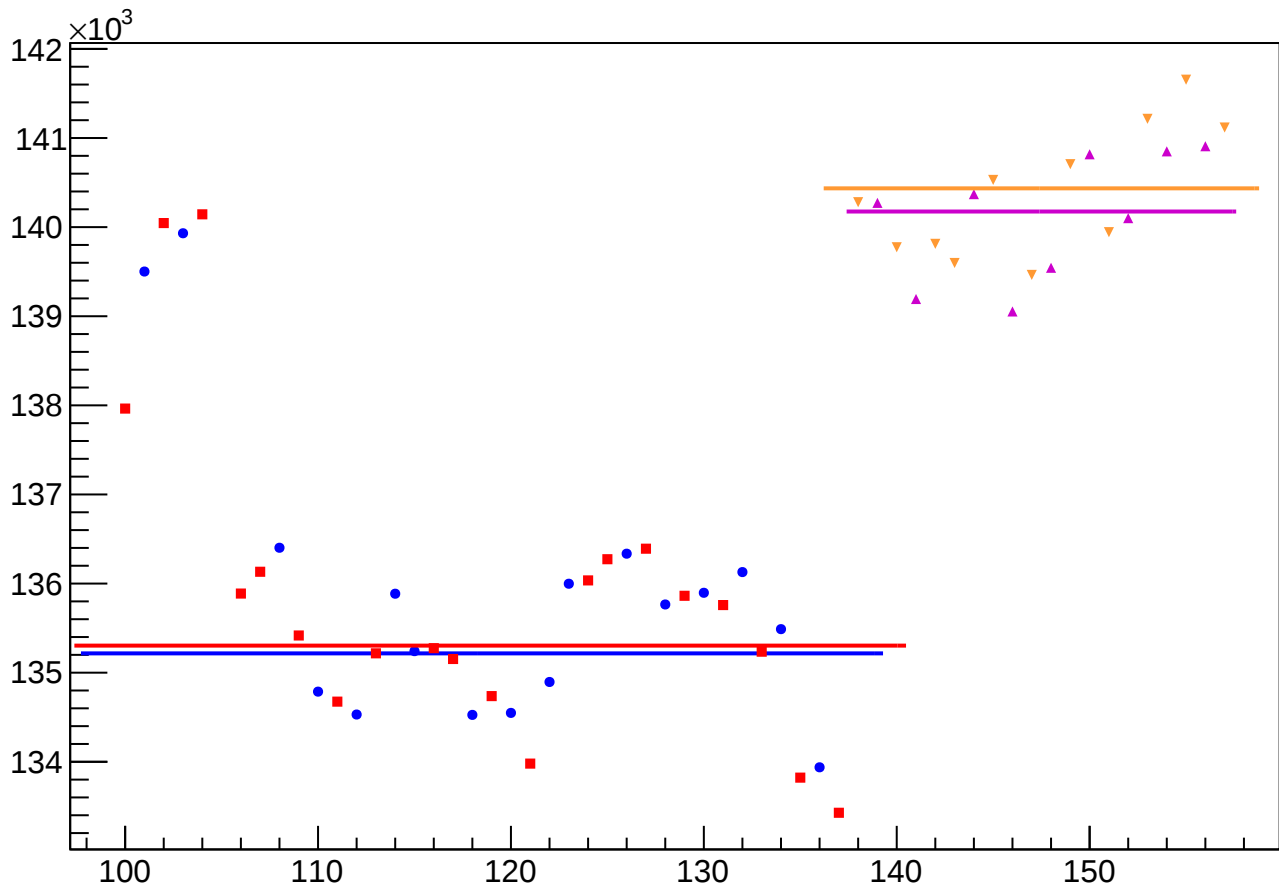
Left In: 242.935+/-0.067 χ^2/NDF :1201430.3/8

250.475+/-0.050 χ^2/NDF : 3151690.3/27

250.936+/-0.035 χ^2/NDF : 6019244.4/56

251.410+/-0.050 χ^2/NDF : 2867378.5/28

yield_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 135216.588 $\pm$ 0.054 χ^2 /NDF: 371347707.3/16

Left Out: 140435.147 $\pm$ 0.065 χ^2 /NDF: 117086862.1/10

Right Out: 135303.736 $\pm$ 0.051 χ^2 /NDF: 357717935.5/19

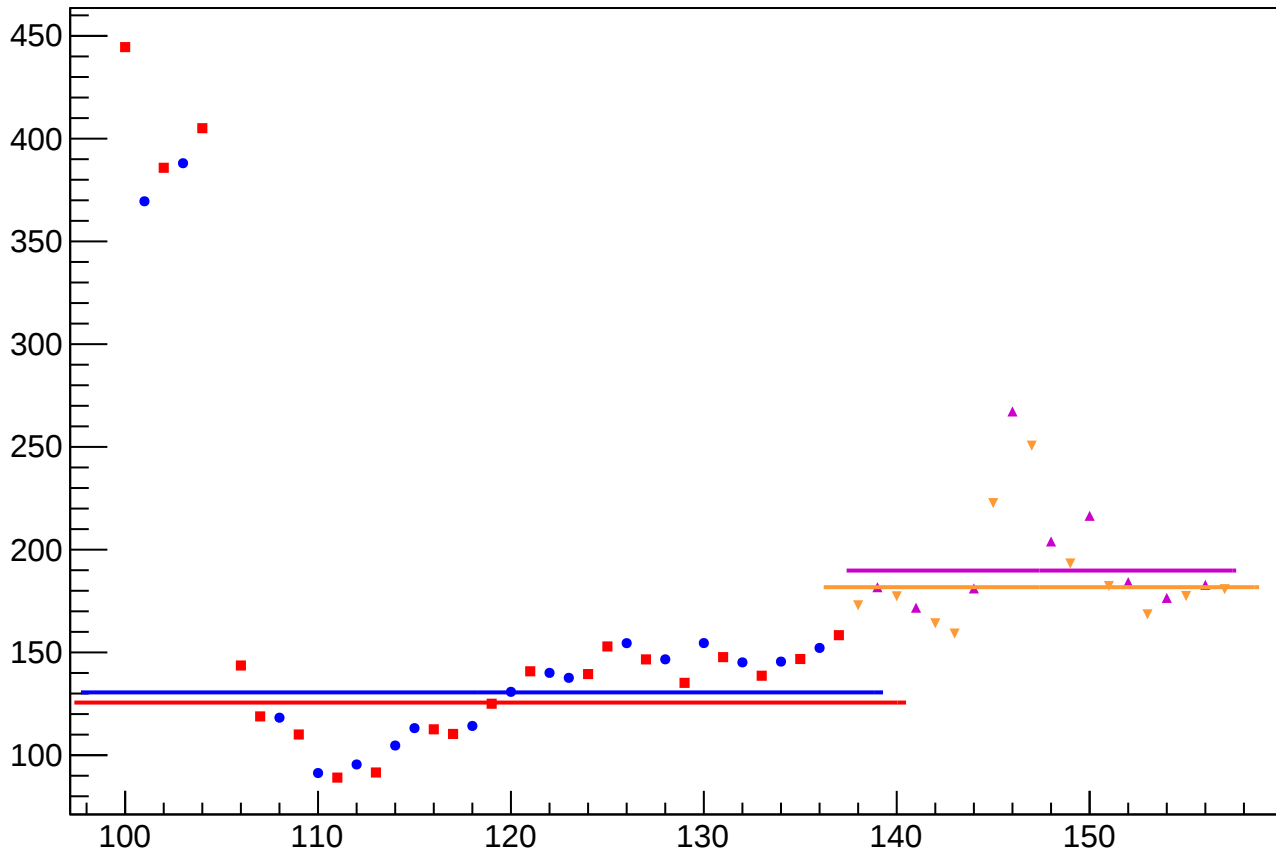
Left In: 140175.120 $\pm$ 0.072 χ^2 /NDF: 80835982.8/8

137357.216 $\pm$ 0.042 χ^2 /NDF: 4269341701.1/27

137144.942 $\pm$ 0.029 χ^2 /NDF: 782590679

136934.990 $\pm$ 0.042 χ^2 /NDF: 3505132743.7/28

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 130.552 ± 0.038 χ^2/NDF : 1373104.9/16

Left Out: 181.744 ± 0.046 χ^2/NDF : 217863.0/10

Right Out: 125.603 ± 0.036 χ^2/NDF : 1441677.4/19

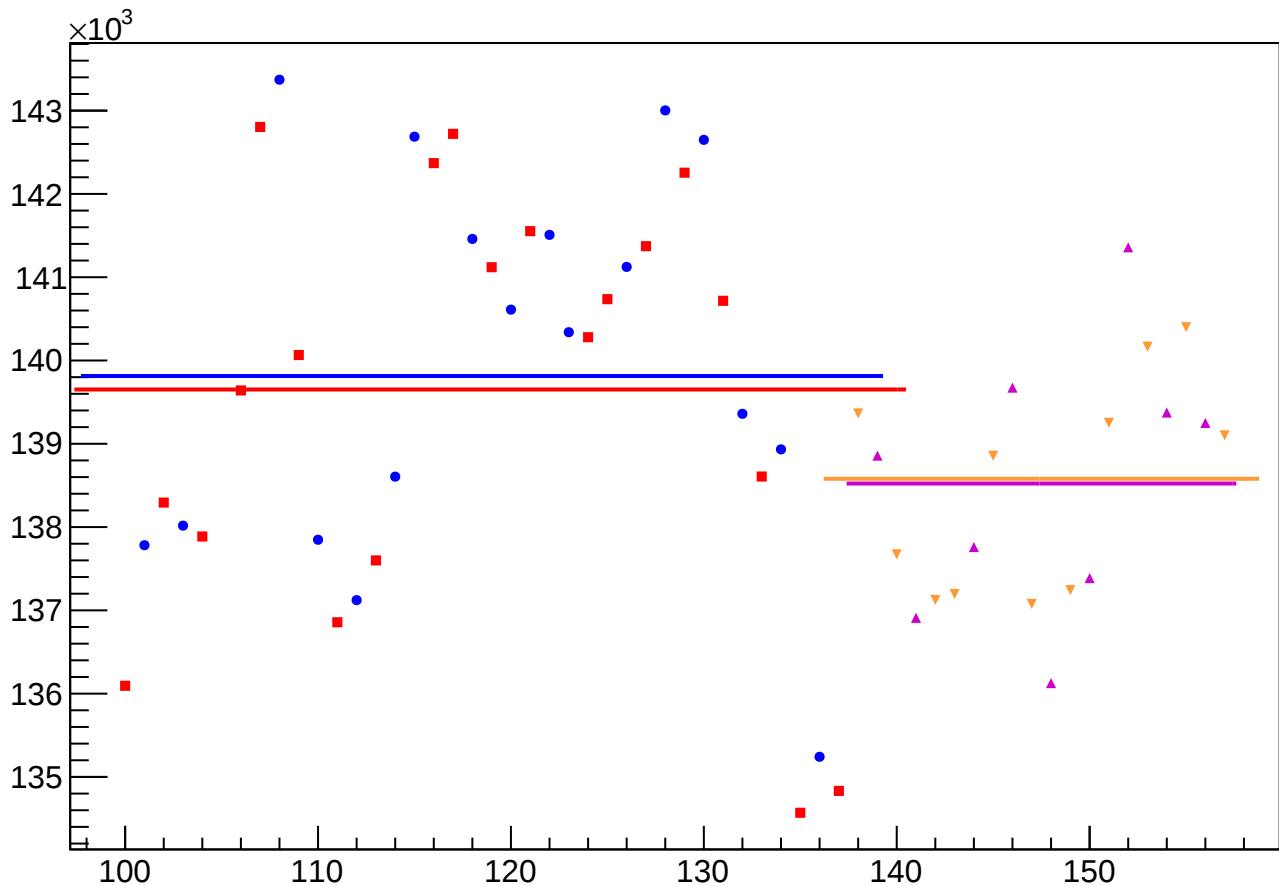
Left In: 189.838 ± 0.051 χ^2/NDF : 195324.5/8

151.550 ± 0.030 χ^2/NDF : 2318630.0/27

149.320 ± 0.021 χ^2/NDF : 5033393.5/56

147.113 ± 0.029 χ^2/NDF : 2703404.6/28

yield_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 139813.664 $\pm$ 0.062 χ^2 /NDF: 1689865533.6/16

Left Out: 138579.759 $\pm$ 0.067 χ^2 /NDF: 323429912.3/10

Right Out: 139651.821 $\pm$ 0.059 χ^2 /NDF: 1531019137.4/19

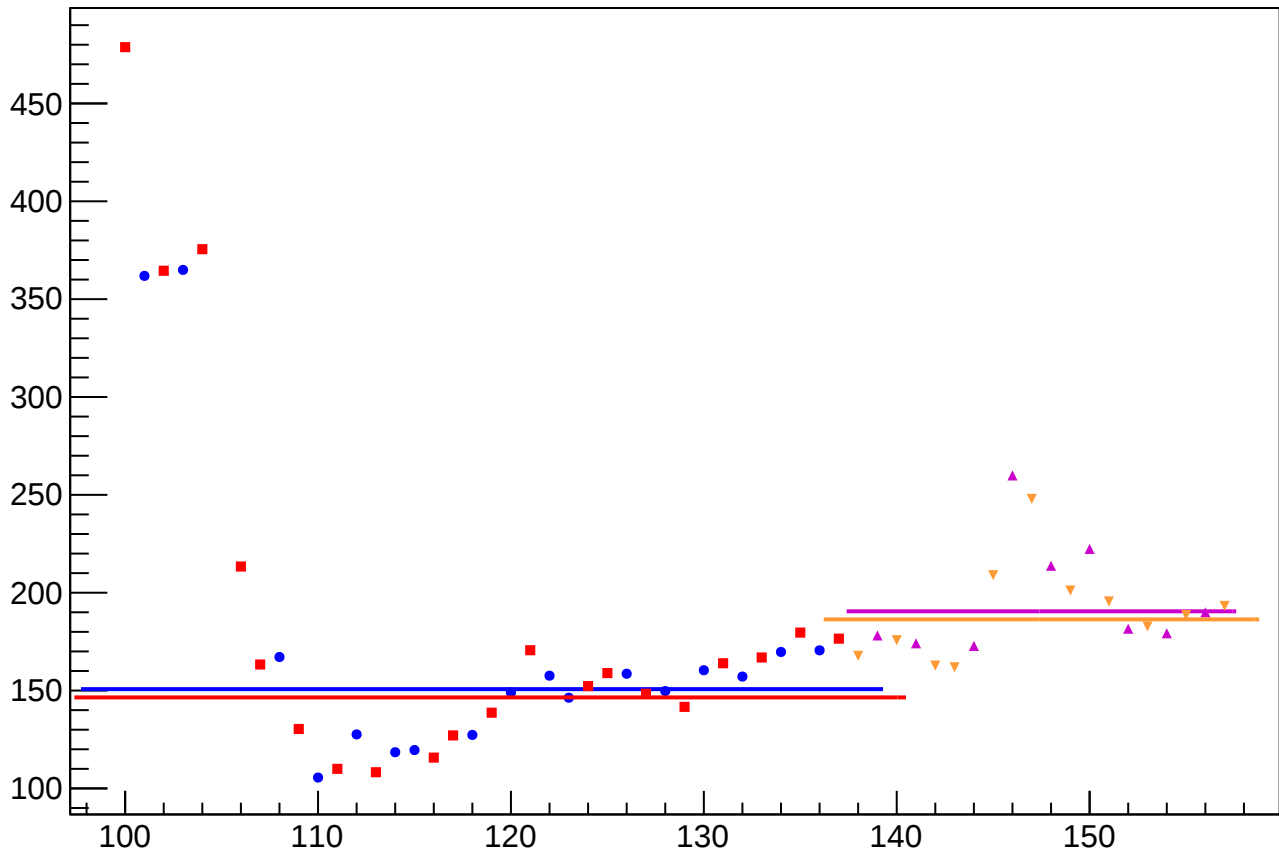
Left In: 138522.748 $\pm$ 0.072 χ^2 /NDF: 447148617.1/8

139244.775 $\pm$ 0.045 χ^2 /NDF: 2196363962.8/27

139222.962 $\pm$ 0.032 χ^2 /NDF: 432245081

139201.076 $\pm$ 0.046 χ^2 /NDF: 2125625594.2/28

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 150.733+/-0.044 χ^2/NDF : 1050071.6/16

Left Out: 186.377+/-0.047 χ^2/NDF : 196090.9/10

Right Out: 146.506+/-0.042 χ^2/NDF : 1205131.2/19

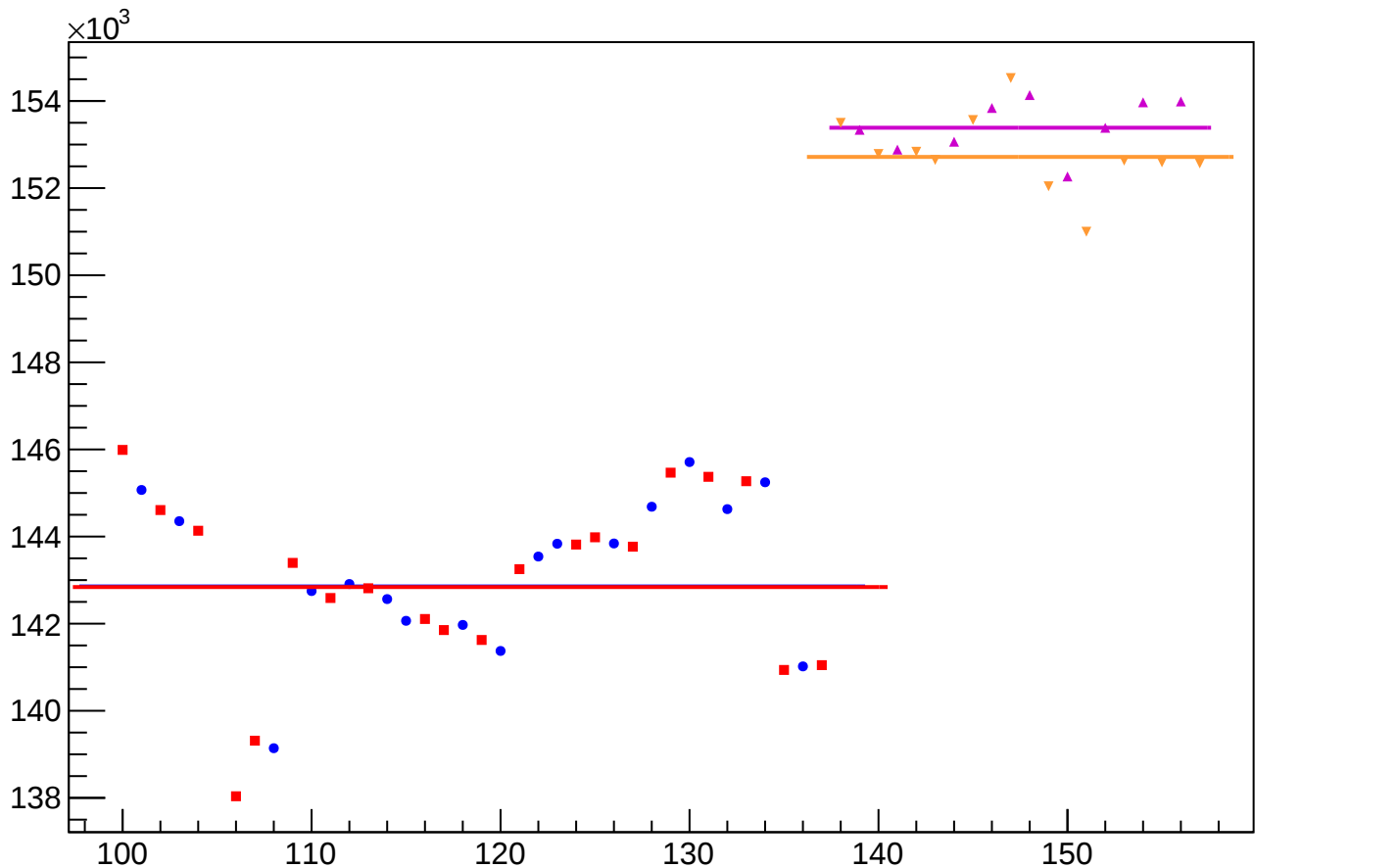
Left In: 190.496+/-0.051 χ^2/NDF : 210965.1/8

167.166+/-0.032 χ^2/NDF : 1551685.6/27

165.620+/-0.023 χ^2/NDF : 3420099.3/56

164.067+/-0.032 χ^2/NDF : 1863774.3/28

yield_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 142854.268 $\pm$ 0.065 χ^2 /NDF: 740367386.5/16

Left Out: 152715.830 $\pm$ 0.067 χ^2 /NDF: 138502875.0/10

Right Out: 142840.509 $\pm$ 0.060 χ^2 /NDF: 852484333.4/19

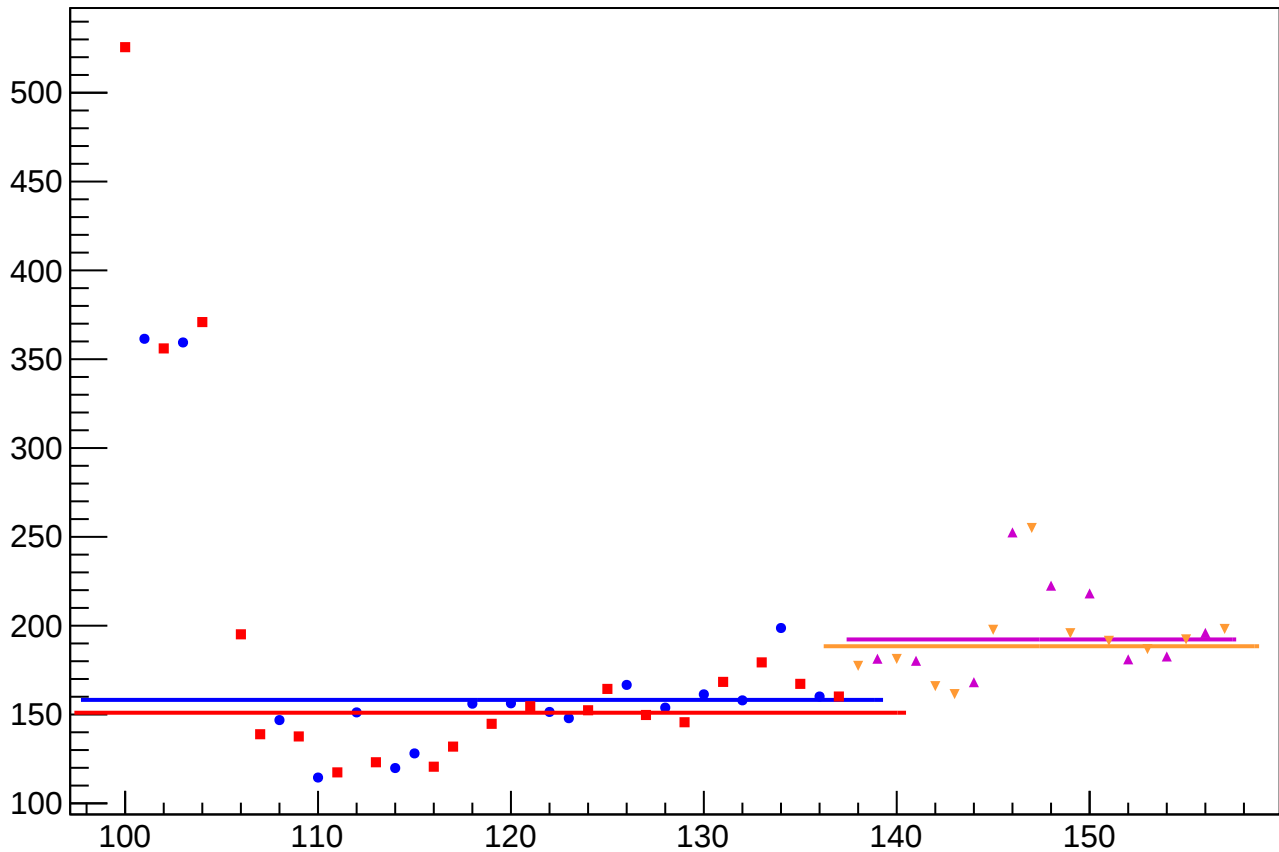
Left In: 153385.953 $\pm$ 0.073 χ^2 /NDF: 58853821.0/8

147576.122 $\pm$ 0.047 χ^2 /NDF: 12015492470.5/2

147354.748 $\pm$ 0.033 χ^2 /NDF: 255043292

147137.125 $\pm$ 0.046 χ^2 /NDF: 13444241332.4/2

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 158.233+/-0.046 χ^2/NDF : 883513.4/16

Left Out: 188.432+/-0.048 χ^2/NDF : 174802.6/10

Right Out: 151.003+/-0.043 χ^2/NDF : 1005104.9/19

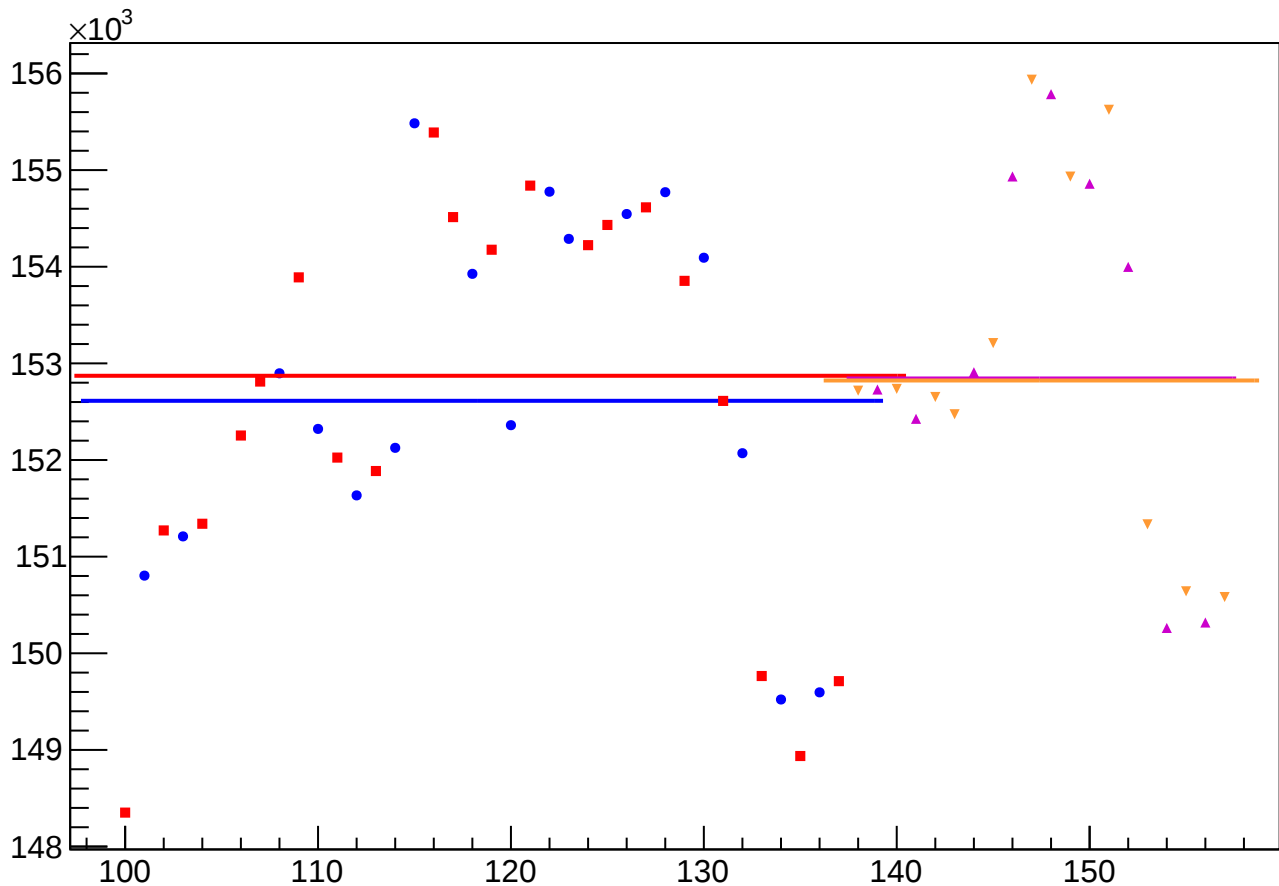
Left In: 192.259+/-0.051 χ^2/NDF : 199944.6/8

172.693+/-0.033 χ^2/NDF : 1267196.5/27

170.232+/-0.023 χ^2/NDF : 2866900.4/56

167.812+/-0.033 χ^2/NDF : 1588680.1/28

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152612.586 $\pm$ 0.072 χ^2 /NDF: 621416187.4/16

Left Out: 152822.885 $\pm$ 0.068 χ^2 /NDF: 600682312.8/10

Right Out: 152871.618 $\pm$ 0.066 χ^2 /NDF: 720639345.6/19

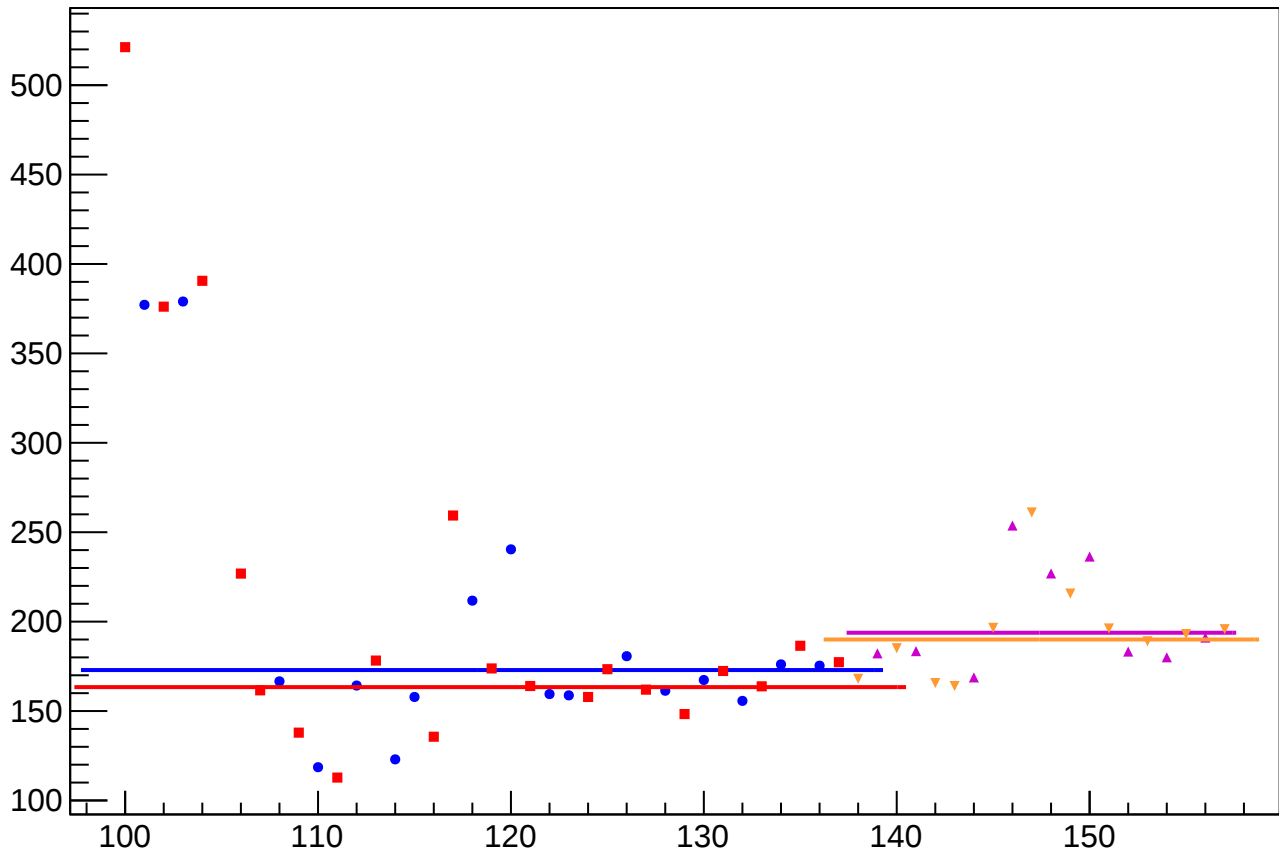
Left In: 152843.683 $\pm$ 0.073 χ^2 /NDF: 585671223.4/8

152724.303 $\pm$ 0.049 χ^2 /NDF: 1226609746.0/27

152792.212 $\pm$ 0.035 χ^2 /NDF: 253674827

152859.025 $\pm$ 0.049 χ^2 /NDF: 1306391004.2/28

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.921+/-0.051 χ^2/NDF : 941954.0/16

Left Out: 190.009+/-0.048 χ^2/NDF : 218836.5/10

Right Out: 163.382+/-0.047 χ^2/NDF : 1044431.2/19

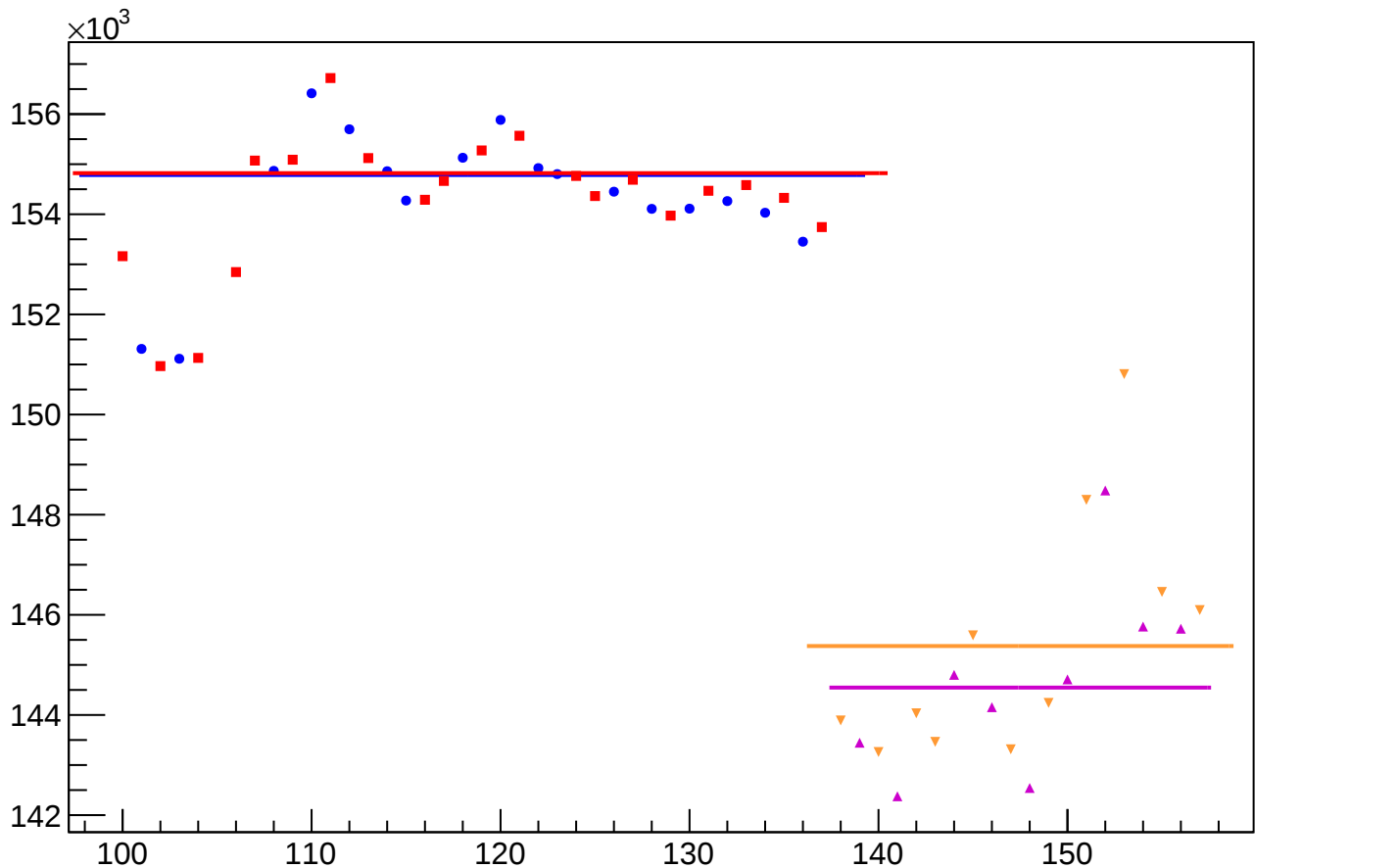
Left In: 193.791+/-0.052 χ^2/NDF : 239705.3/8

181.999+/-0.035 χ^2/NDF : 1220365.0/27

179.525+/-0.025 χ^2/NDF : 2705085.6/56

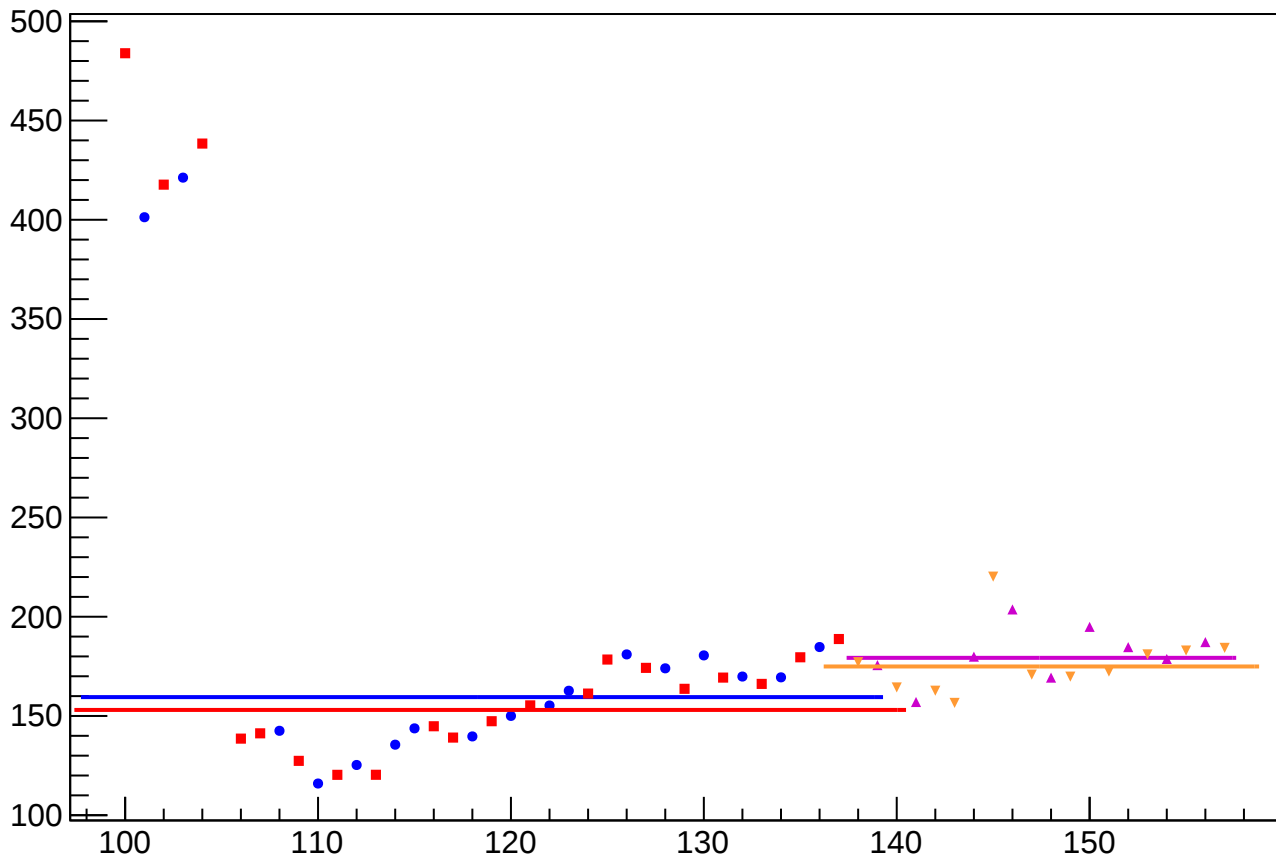
177.090+/-0.035 χ^2/NDF : 1474771.2/28

yield_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 154783.944 $\pm$ 0.065 χ^2/NDF : 265581398.0/16
 Left Out: 145376.635 $\pm$ 0.062 χ^2/NDF : 1434373811.0/10
 Right Out: 154820.824 $\pm$ 0.061 χ^2/NDF : 293904936.4/19
 Left In: 144546.999 $\pm$ 0.067 χ^2/NDF : 744098266.8/8

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 174.935 $\pm$ 0.044 χ^2 /NDF:105411.6/10

Right Out: 153.038 $\pm$ 0.043 χ^2 /NDF: 1174616.4/19

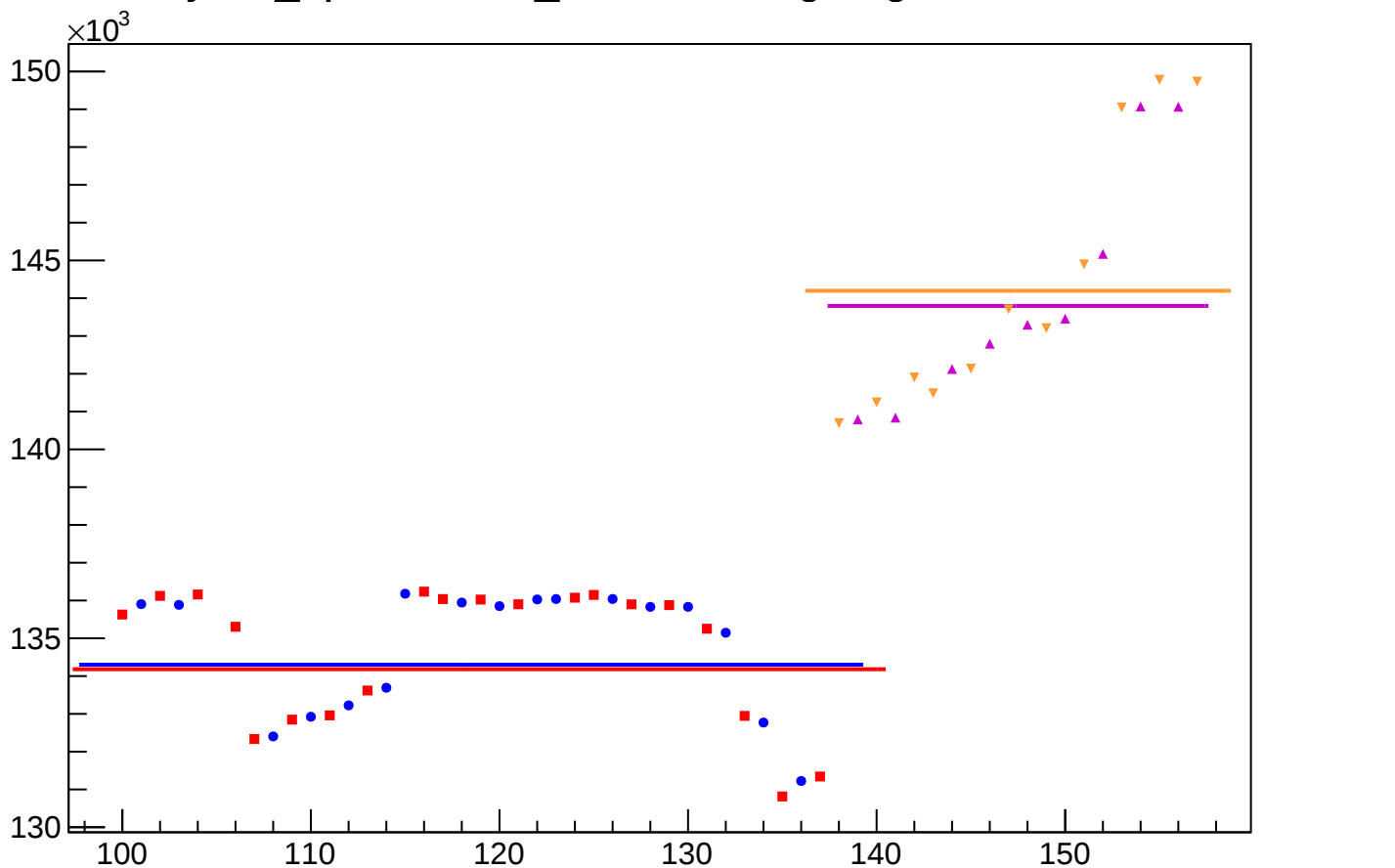
Left In: 179.287 $\pm$ 0.047 χ^2 /NDF:77451.9/8

167.626 $\pm$ 0.032 χ^2 /NDF: 1295919.0/27

166.247 $\pm$ 0.022 χ^2 /NDF: 2720712.1/56

164.872 $\pm$ 0.032 χ^2 /NDF: 1421041.5/28

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134300.025 ± 0.050 $\chi^2/\text{NDF}: 1149581803.2/16$

Left Out: 144197.311 ± 0.062 $\chi^2/\text{NDF}: 2816916559.6/10$

Right Out: 134180.888 ± 0.047 $\chi^2/\text{NDF}: 1224202240.2/19$

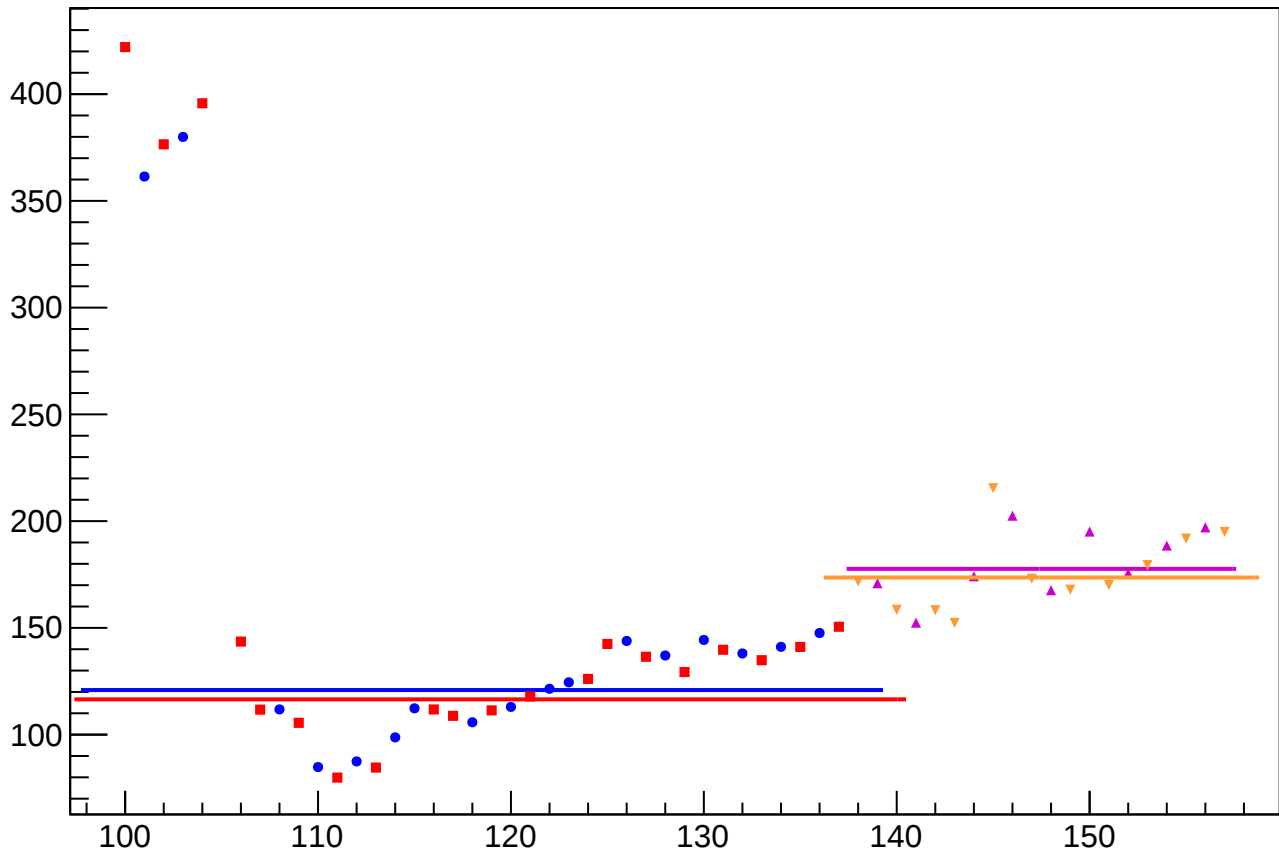
Left In: 143795.077 ± 0.066 $\chi^2/\text{NDF}: 1874454267.9/8$

138258.484 ± 0.039 $\chi^2/\text{NDF}: 19425375923.2/2$

137825.154 ± 0.027 $\chi^2/\text{NDF}: 366733903$

137403.099 ± 0.038 $\chi^2/\text{NDF}: 17004271815.3/2$

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 120.872 ± 0.036 χ^2/NDF : 1463728.4/16

Left Out: 173.598 ± 0.044 χ^2/NDF : 141456.2/10

Right Out: 116.531 ± 0.033 χ^2/NDF : 1541779.4/19

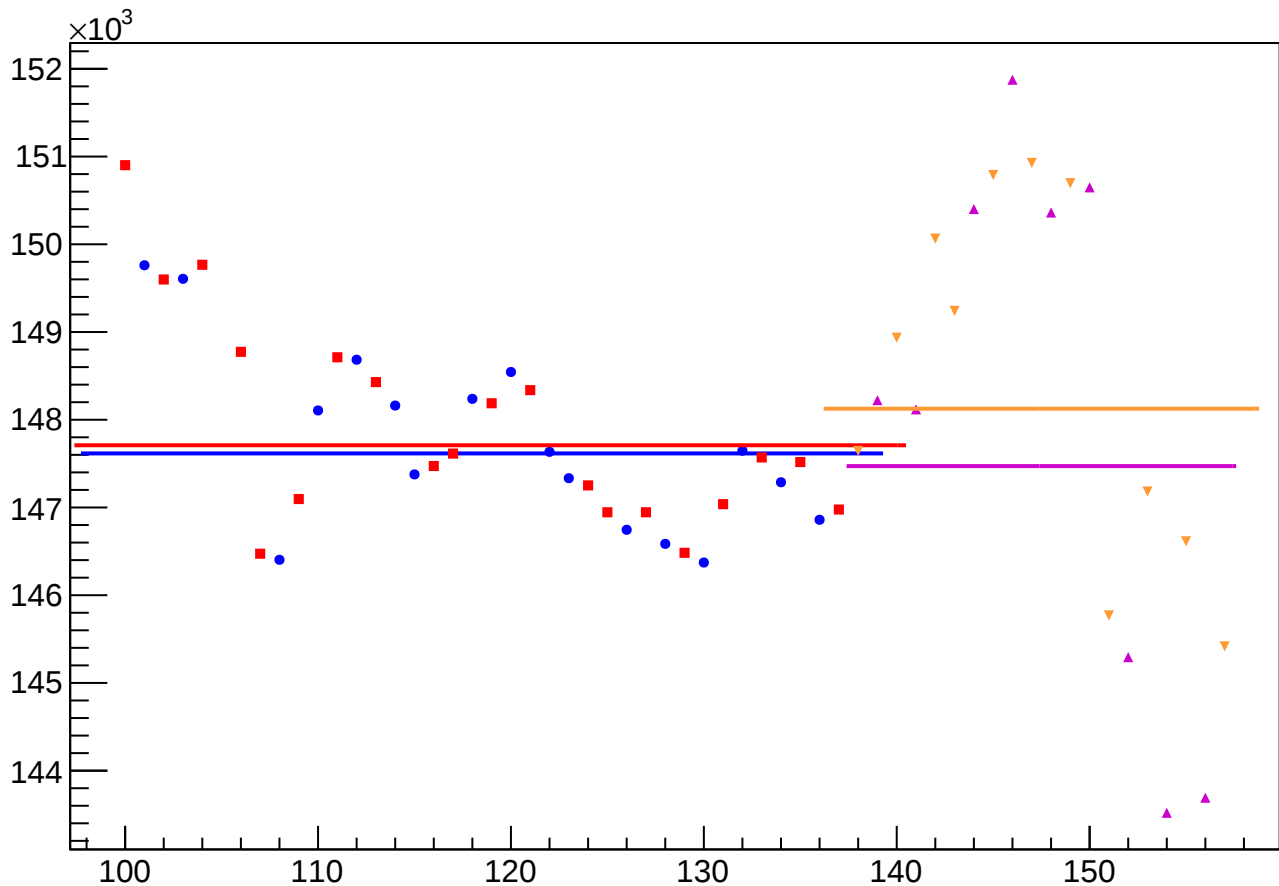
Left In: 177.651 ± 0.047 χ^2/NDF : 112074.5/8

141.960 ± 0.028 χ^2/NDF : 2482619.4/27

139.455 ± 0.019 χ^2/NDF : 5276741.2/56

137.015 ± 0.027 χ^2/NDF : 2777831.8/28

yield_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 147616.150 $\pm$ 0.062 χ^2 /NDF: 199263428.7/16

Left Out: 148125.914 $\pm$ 0.070 χ^2 /NDF: 741183668.5/10

Right Out: 147709.096 $\pm$ 0.058 χ^2 /NDF: 203924272.1/19

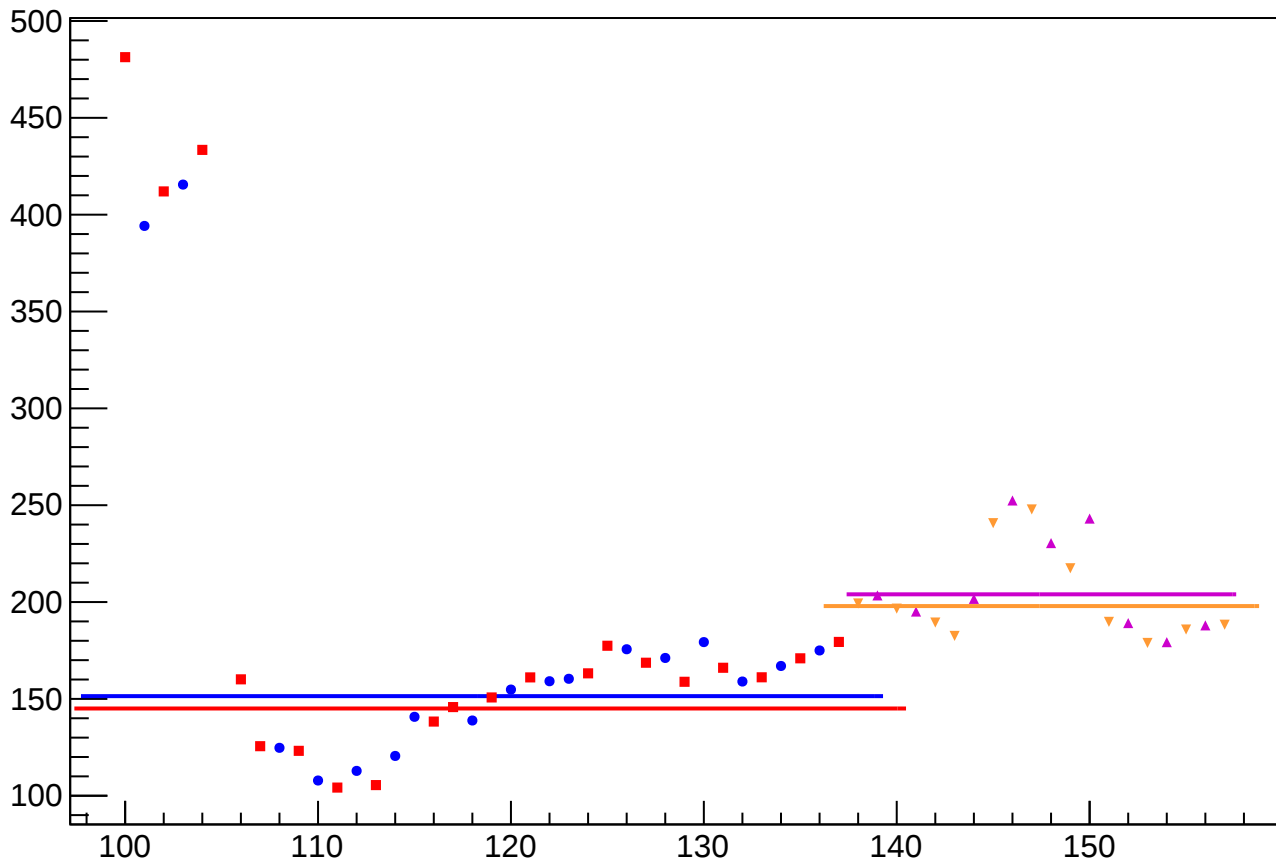
Left In: 147471.618 $\pm$ 0.076 χ^2 /NDF: 1526662716.1/8

147840.868 $\pm$ 0.047 χ^2 /NDF: 969788170.4/27

147730.442 $\pm$ 0.033 χ^2 /NDF: 271755254

147622.111 $\pm$ 0.046 χ^2 /NDF: 1736699285.3/28

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 151.424+/-0.044 χ^2/NDF : 1257843.0/16

Left Out: 197.923+/-0.050 χ^2/NDF : 166612.6/10

Right Out: 145.044+/-0.041 χ^2/NDF : 1375974.1/19

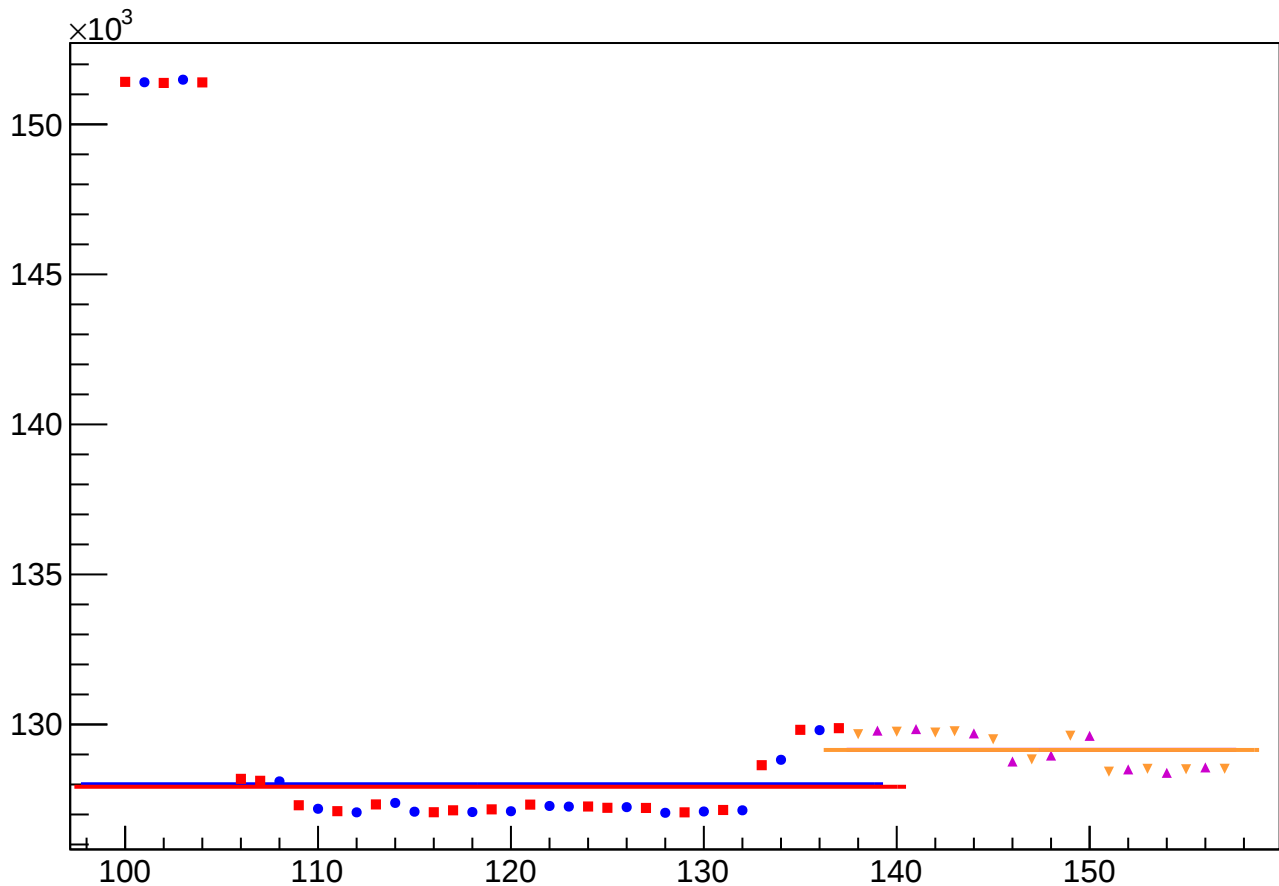
Left In: 203.992+/-0.054 χ^2/NDF : 179864.9/8

171.922+/-0.033 χ^2/NDF : 1912715.7/27

169.254+/-0.023 χ^2/NDF : 4234695.2/56

166.636+/-0.033 χ^2/NDF : 2309058.0/28

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128007.364 $\pm$ 0.054 χ^2/NDF : 4319785674.5/16

Left Out: 129150.627 $\pm$ 0.061 χ^2/NDF : 89141895.1/10

Right Out: 127923.940 $\pm$ 0.050 χ^2/NDF : 3770107280.1/19

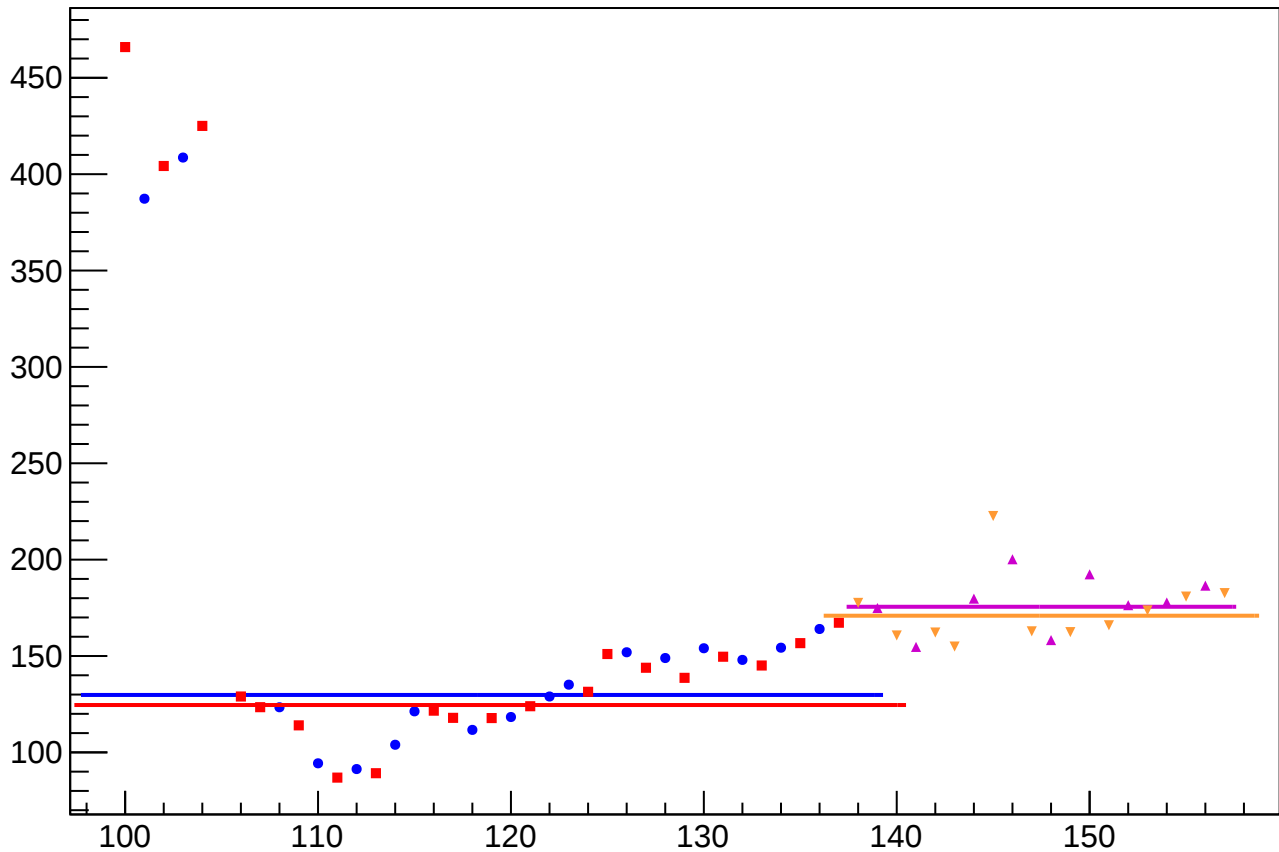
Left In: 129154.333 $\pm$ 0.066 χ^2/NDF : 76862611.4/8

128514.762 $\pm$ 0.040 χ^2/NDF : 4606952503.8/27

128445.644 $\pm$ 0.028 χ^2/NDF : 868167542

128378.257 $\pm$ 0.040 χ^2/NDF : 4068932078.3/28

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.796 $\pm$ 0.038 χ^2 /NDF: 1485294.2/16

Left Out: 170.911 $\pm$ 0.043 χ^2 /NDF:128299.7/10

Right Out: 124.572 $\pm$ 0.035 χ^2 /NDF: 1532105.0/19

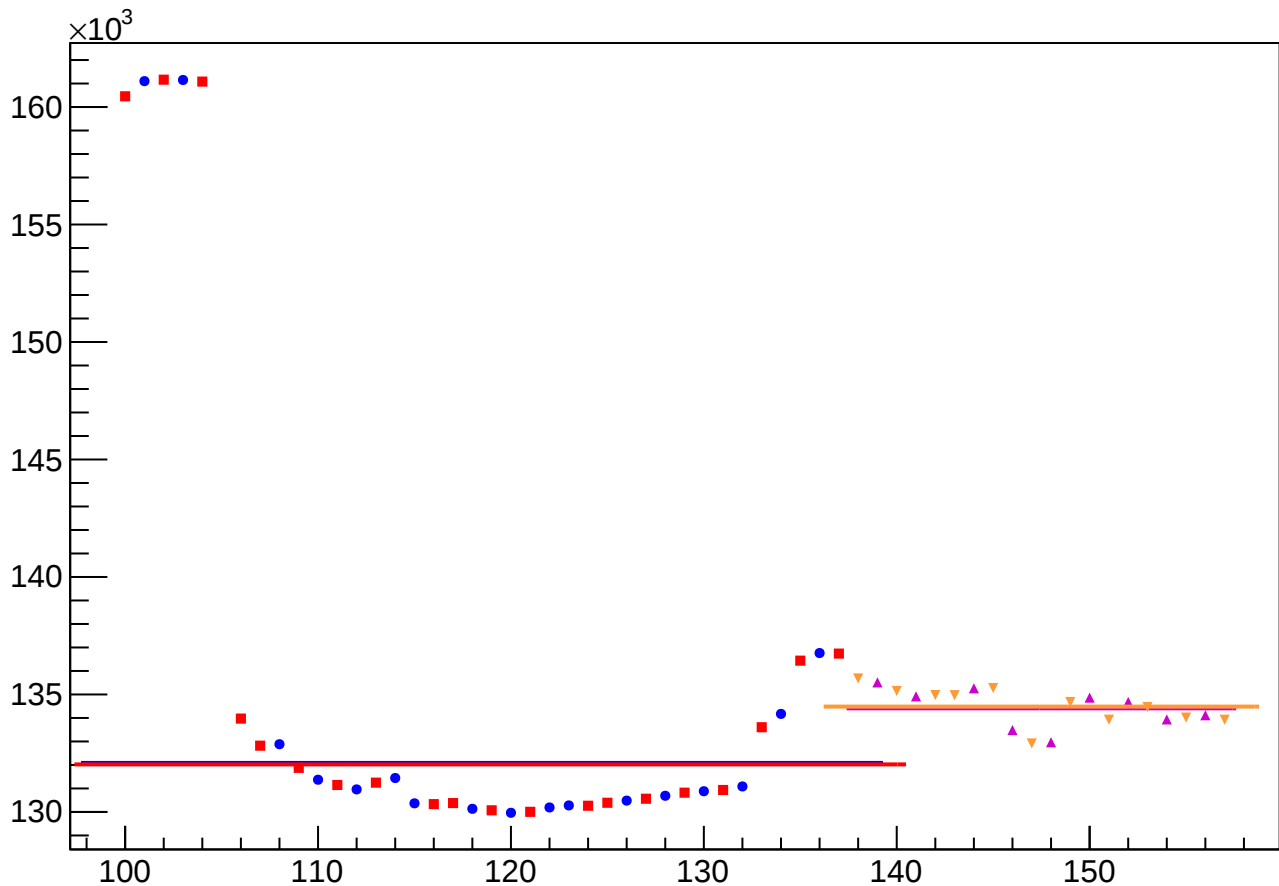
Left In: 175.552 $\pm$ 0.046 χ^2 /NDF:92854.8/8

148.043 $\pm$ 0.029 χ^2 /NDF: 2125811.6/27

145.690 $\pm$ 0.020 χ^2 /NDF: 4526302.5/56

143.396 $\pm$ 0.028 χ^2 /NDF: 2387066.4/28

yield_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16

Left Out: 134483.886 $\pm$ 0.063 χ^2 /NDF: 148005626.9/10

Right Out: 132023.609 $\pm$ 0.052 χ^2 /NDF: 5890492527.2/19

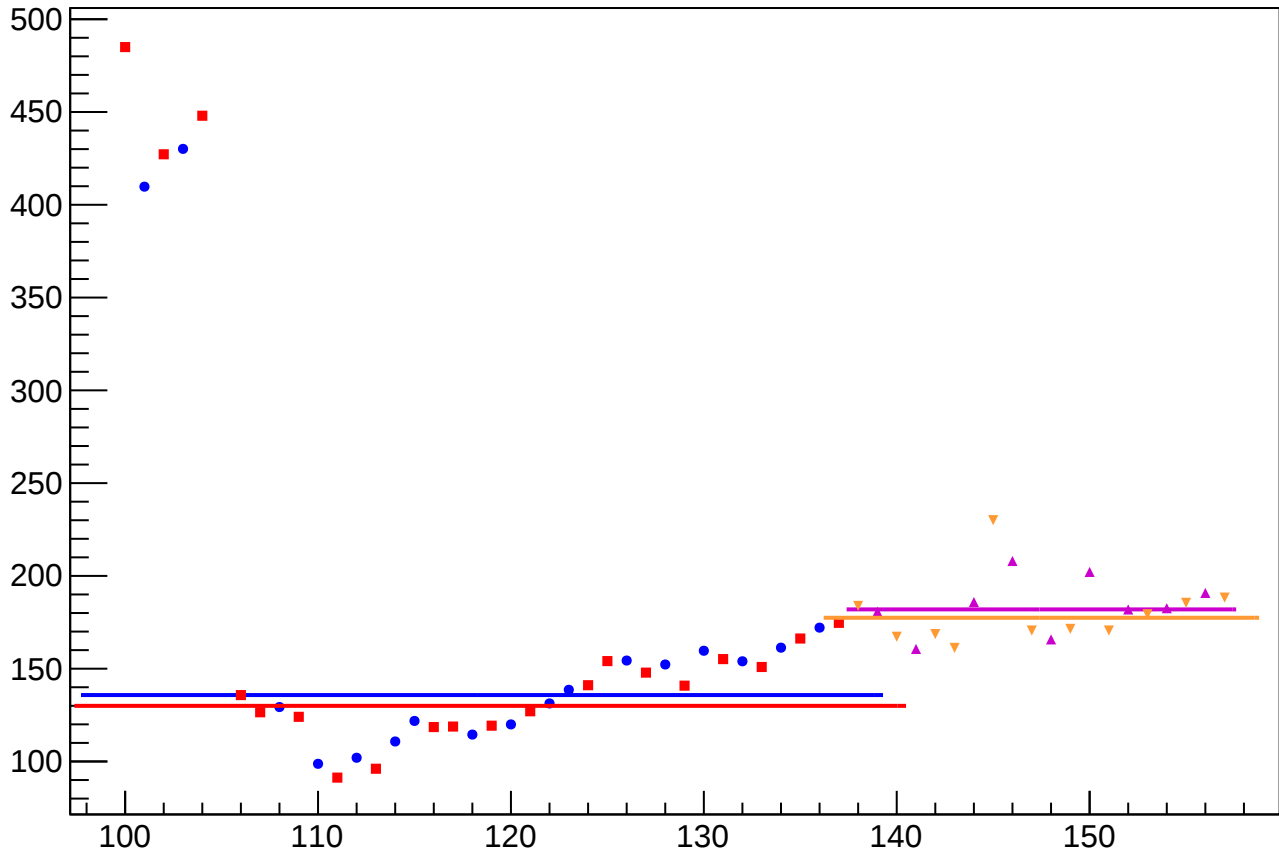
Left In: 134409.715 $\pm$ 0.068 χ^2 /NDF: 141419370.9/8

133158.069 $\pm$ 0.042 χ^2 /NDF: 7684950275.5/27

133032.781 $\pm$ 0.030 χ^2 /NDF: 145081747

132910.931 $\pm$ 0.041 χ^2 /NDF: 6805703218.4/28

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 135.796 $\pm$ 0.040 χ^2/NDF : 1441904.9/16

Left Out: 177.447 $\pm$ 0.044 χ^2/NDF : 118318.6/10

Right Out: 129.975 $\pm$ 0.037 χ^2/NDF : 1504768.0/19

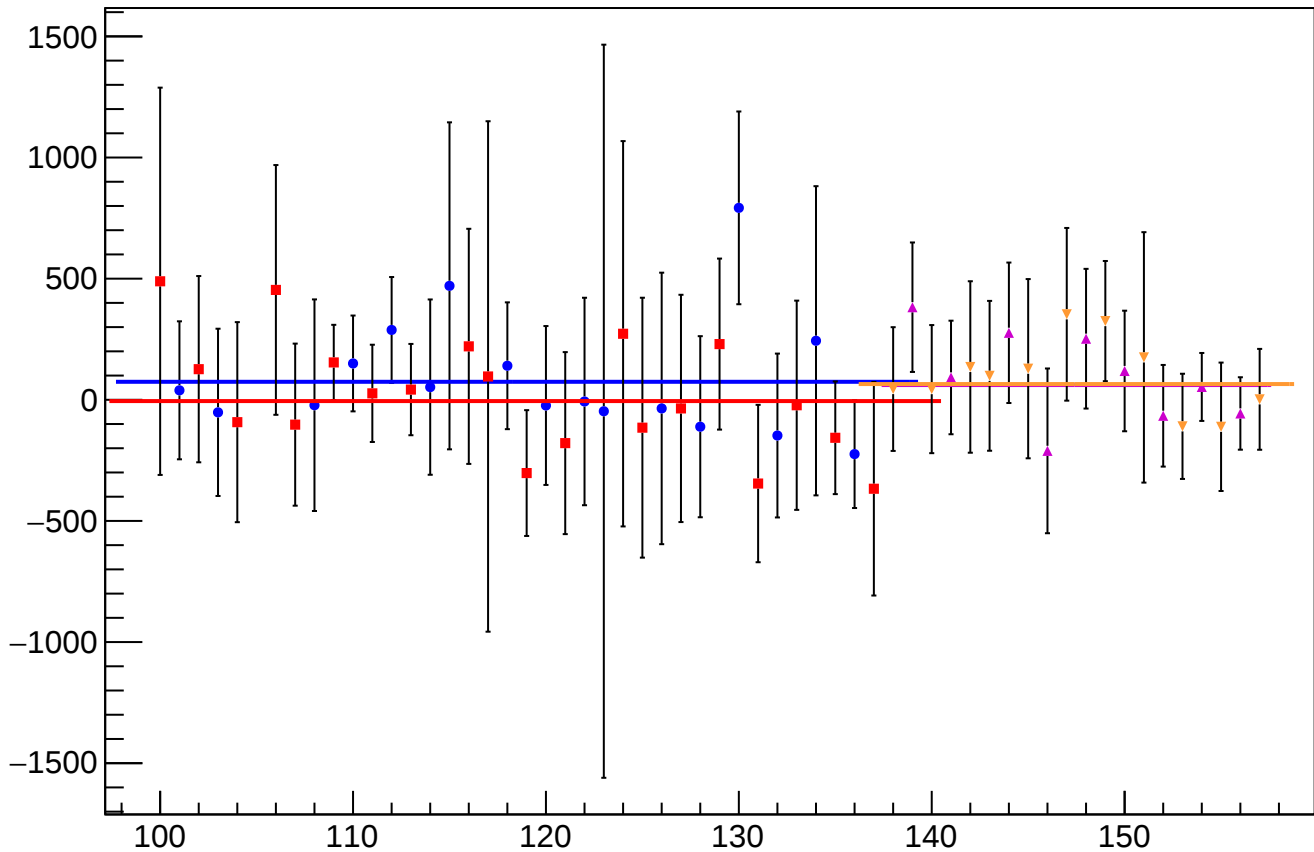
Left In: 181.953 $\pm$ 0.048 χ^2/NDF : 90646.9/8

154.410 $\pm$ 0.030 χ^2/NDF : 2045516.2/27

151.822 $\pm$ 0.021 χ^2/NDF : 4390263.9/56

149.304 $\pm$ 0.029 χ^2/NDF : 2329790.1/28

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 74.294 $\pm$ 79.018 χ^2 /NDF: 7.7/16

Left Out: 64.957 $\pm$ 83.981 χ^2 /NDF:3.1/10

Right Out: -5.290 $\pm$ 69.914 χ^2 /NDF: 7.1/19

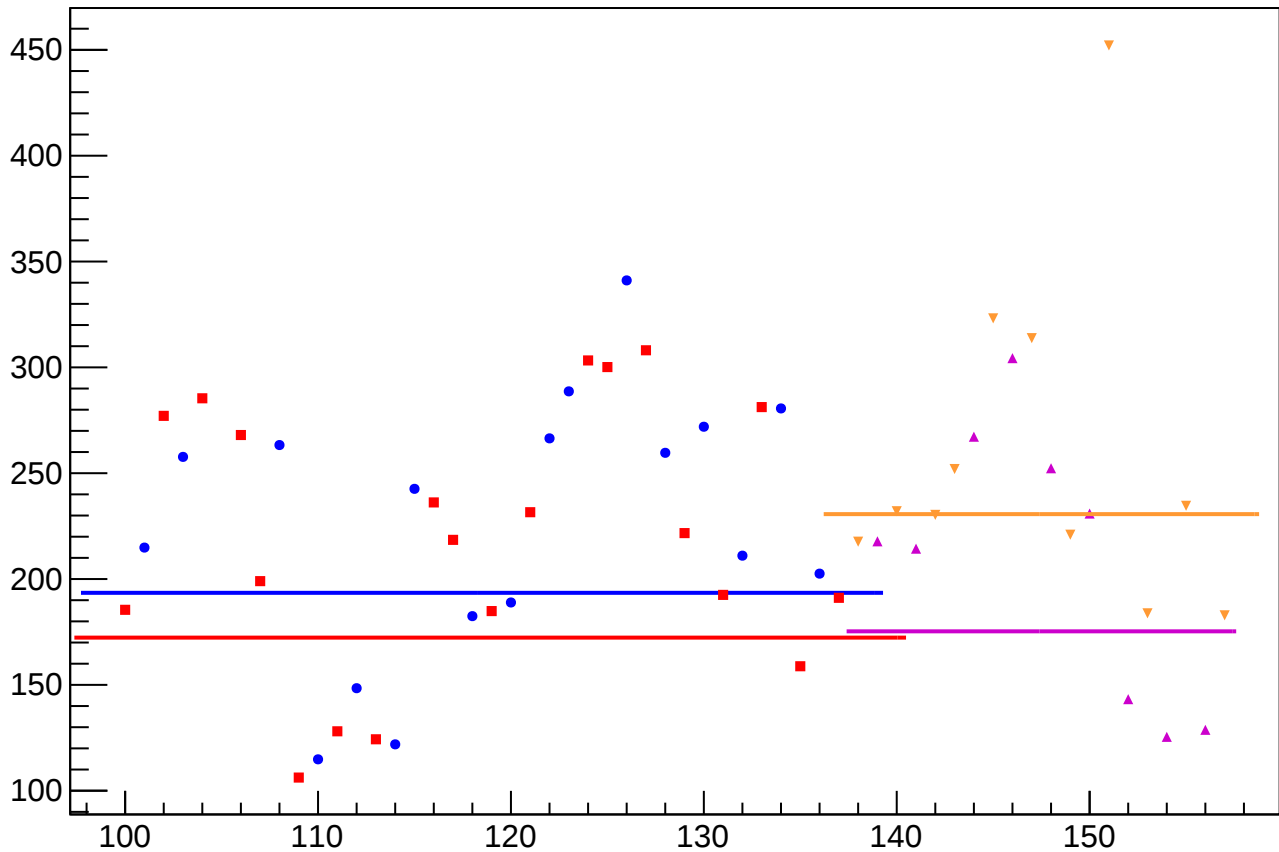
Left In: 60.848 $\pm$ 70.844 χ^2 /NDF:4.1/8

69.910 $\pm$ 57.549 χ^2 /NDF: 10.8/27

45.553 $\pm$ 37.641 χ^2 /NDF: 22.8/56

27.342 $\pm$ 49.762 χ^2 /NDF: 11.7/28

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.488+/-0.056 χ^2/NDF : 1017195.7/16

Left Out: 230.665+/-0.059 χ^2/NDF : 817877.8/10

Right Out: 172.327+/-0.049 χ^2/NDF : 1583701.4/19

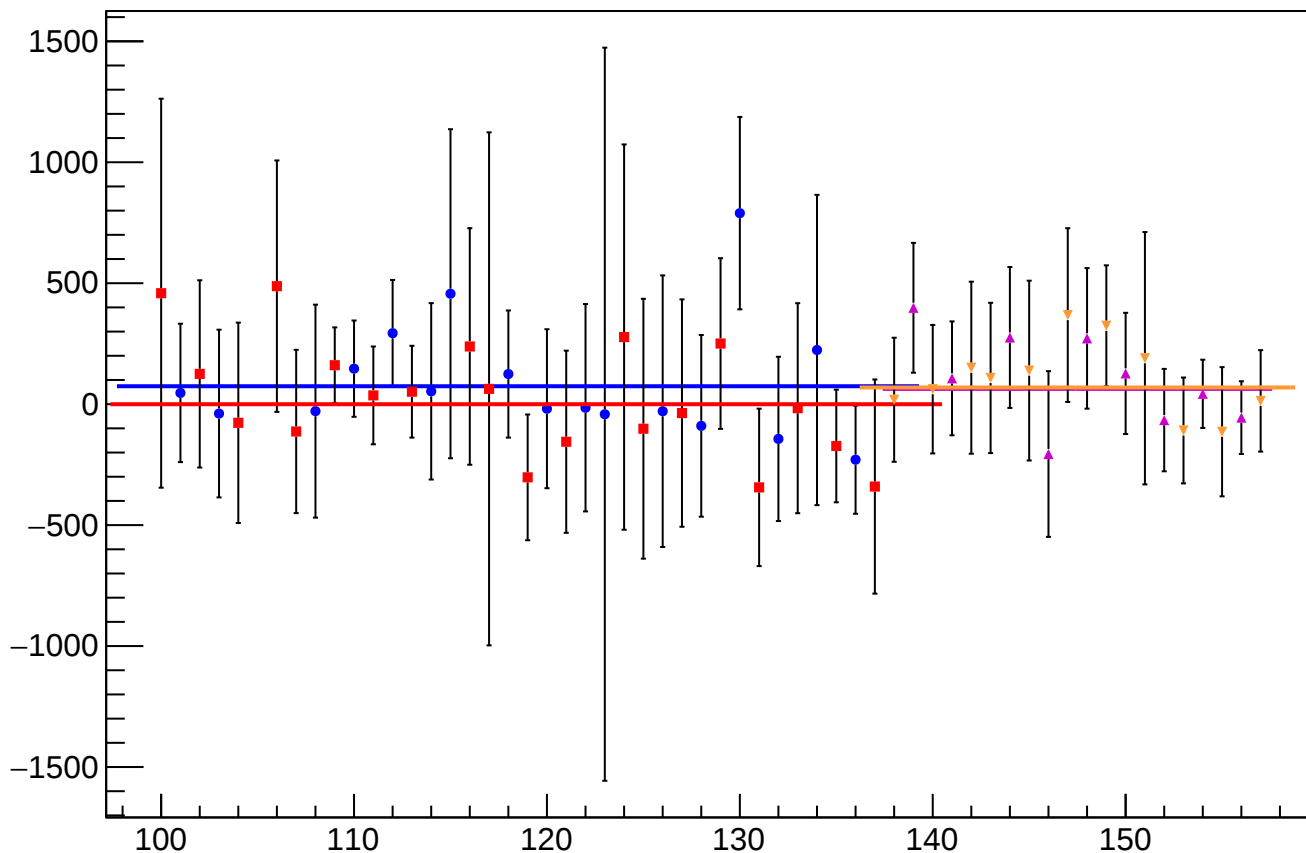
Left In: 175.291+/-0.050 χ^2/NDF : 1331359.5/8

210.946+/-0.041 χ^2/NDF : 2042965.2/27

189.686+/-0.027 χ^2/NDF : 5436837.4/56

173.789+/-0.035 χ^2/NDF : 2916835.4/28

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 74.098 $\pm$ 79.404 χ^2 /NDF: 7.6/16

Left Out: 68.994 $\pm$ 84.514 χ^2 /NDF: 3.1/10

Right Out: -0.223 $\pm$ 70.282 χ^2 /NDF: 7.3/19

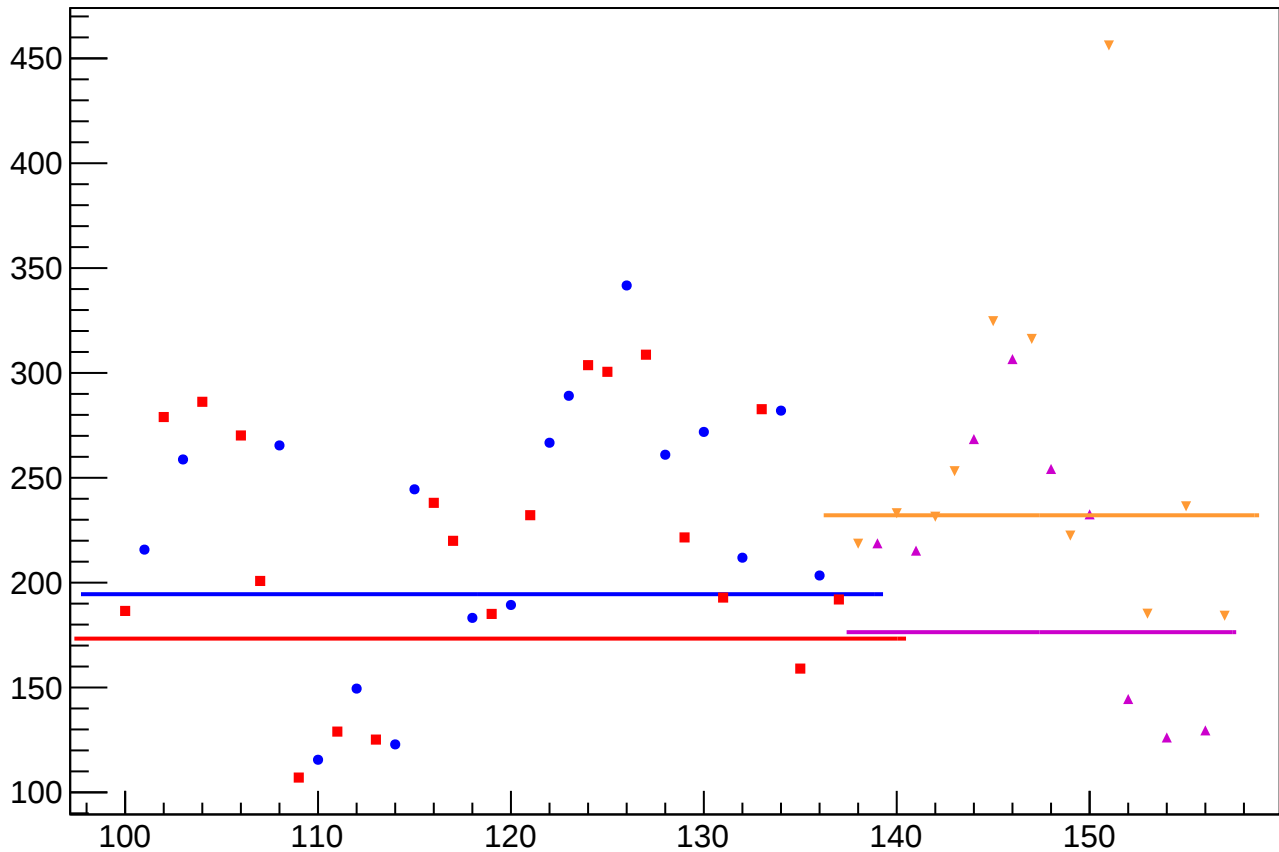
Left In: 63.096 $\pm$ 71.288 χ^2 /NDF: 4.3/8

71.705 $\pm$ 57.869 χ^2 /NDF: 10.7/27

48.411 $\pm$ 37.855 χ^2 /NDF: 23.0/56

30.987 $\pm$ 50.049 χ^2 /NDF: 12.1/28

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.496 ± 0.056 χ^2/NDF : 1008514.7/16

Left Out: 232.127 ± 0.060 χ^2/NDF : 817443.7/10

Right Out: 173.317 ± 0.050 χ^2/NDF : 1571258.4/19

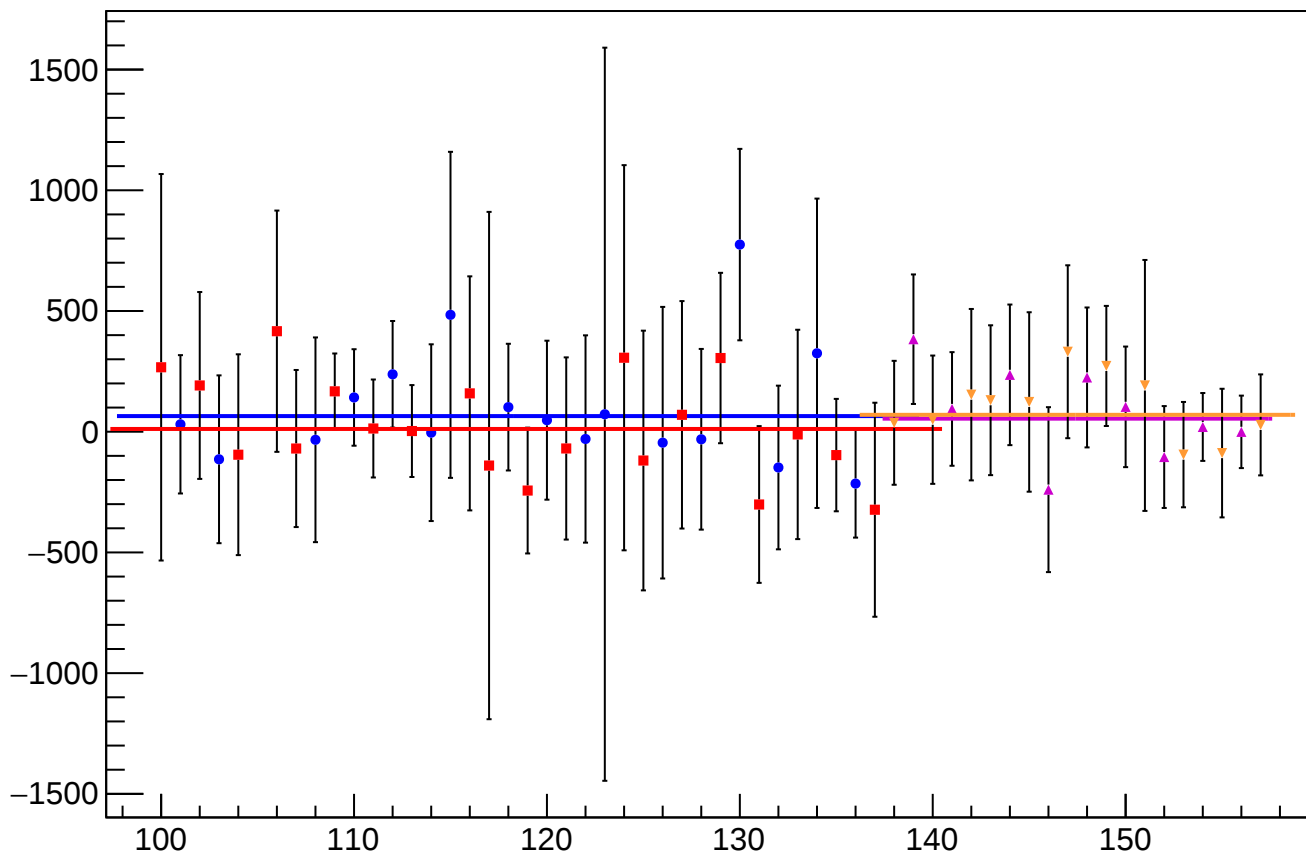
Left In: 176.389 ± 0.050 χ^2/NDF : 1330016.2/8

212.140 ± 0.041 χ^2/NDF : 2036561.3/27

190.796 ± 0.027 χ^2/NDF : 5415290.6/56

174.831 ± 0.035 χ^2/NDF : 2903157.7/28

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 64.733+/-79.399 χ^2/NDF : 7.0/16

Left Out: 69.961+/-84.358 χ^2/NDF : 2.4/10

Right Out: 11.414+/-70.204 χ^2/NDF : 5.8/19

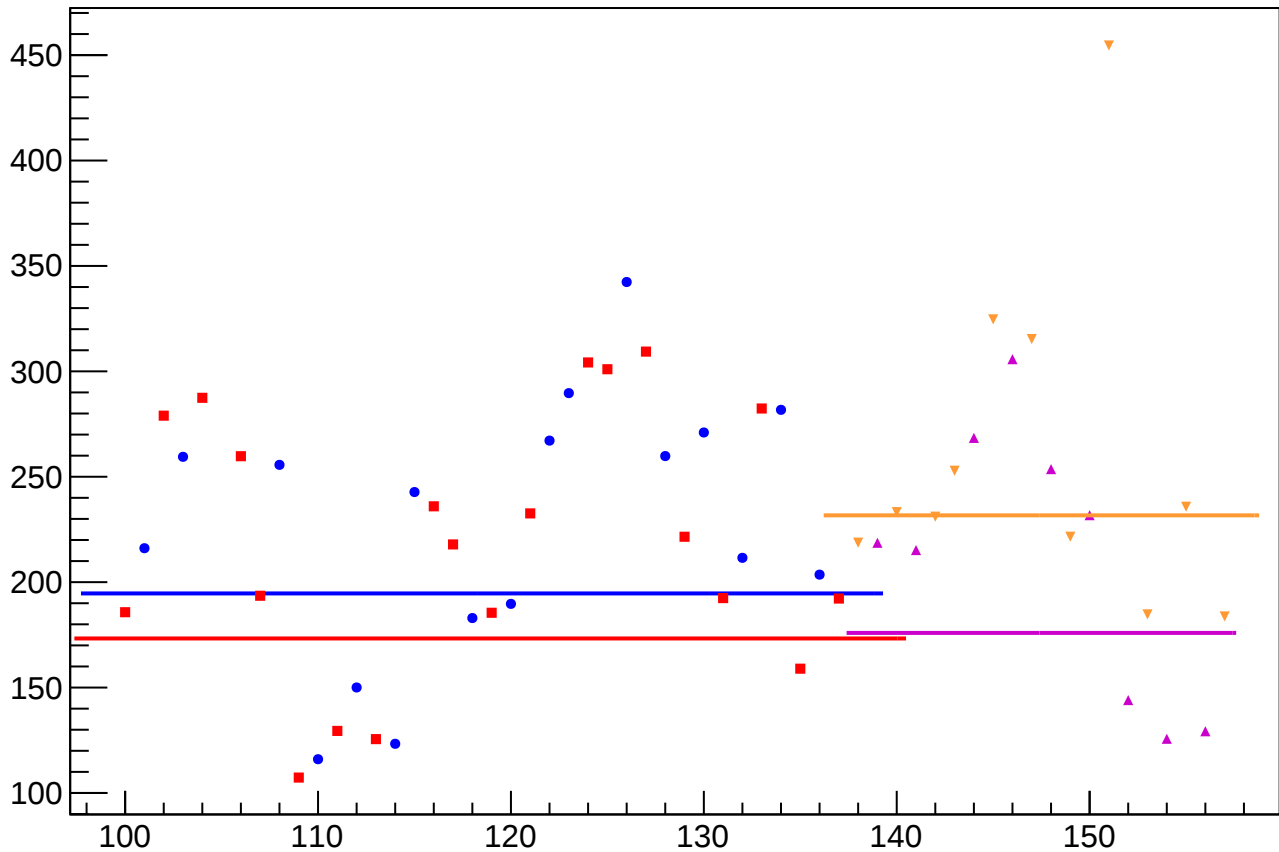
Left In: 54.088+/-71.115 χ^2/NDF : 3.8/8

67.189+/-57.817 χ^2/NDF : 9.4/27

47.315+/-37.802 χ^2/NDF : 19.4/56

32.476+/-49.961 χ^2/NDF : 9.8/28

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.652 $\pm$ 0.056 χ^2 /NDF: 986798.9/16

Left Out: 231.697 $\pm$ 0.060 χ^2 /NDF: 818217.1/10

Right Out: 173.289 $\pm$ 0.050 χ^2 /NDF: 1548162.6/19

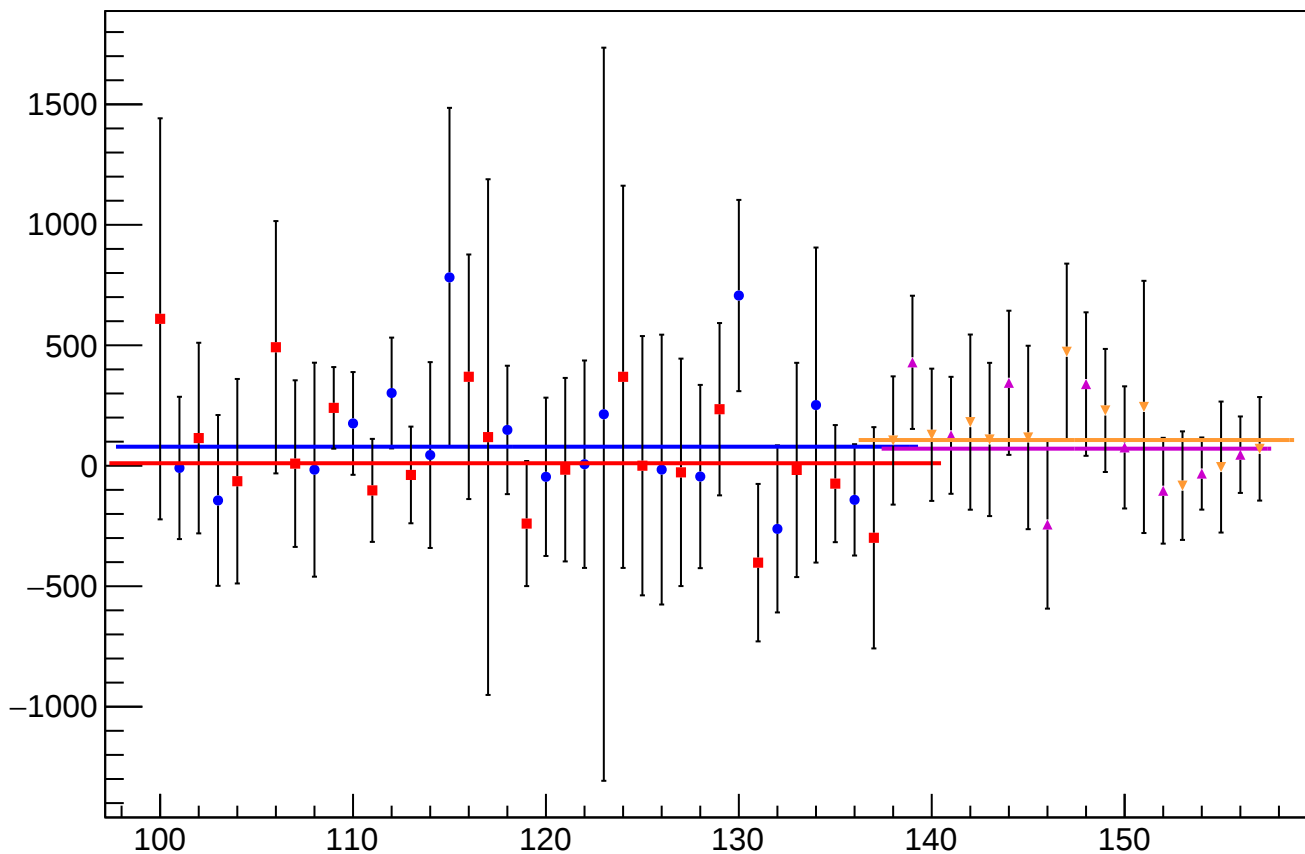
Left In: 175.927 $\pm$ 0.050 χ^2 /NDF: 1335376.7/8

212.053 $\pm$ 0.041 χ^2 /NDF: 2009529.5/27

190.606 $\pm$ 0.027 χ^2 /NDF: 5375187.8/56

174.591 $\pm$ 0.035 χ^2 /NDF: 2884933.0/28

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 79.128+/-81.874 χ^2/NDF : 7.5/16

Left Out: 106.834+/-86.679 χ^2/NDF : 2.3/10

Right Out: 10.491+/-73.139 χ^2/NDF : 7.9/19

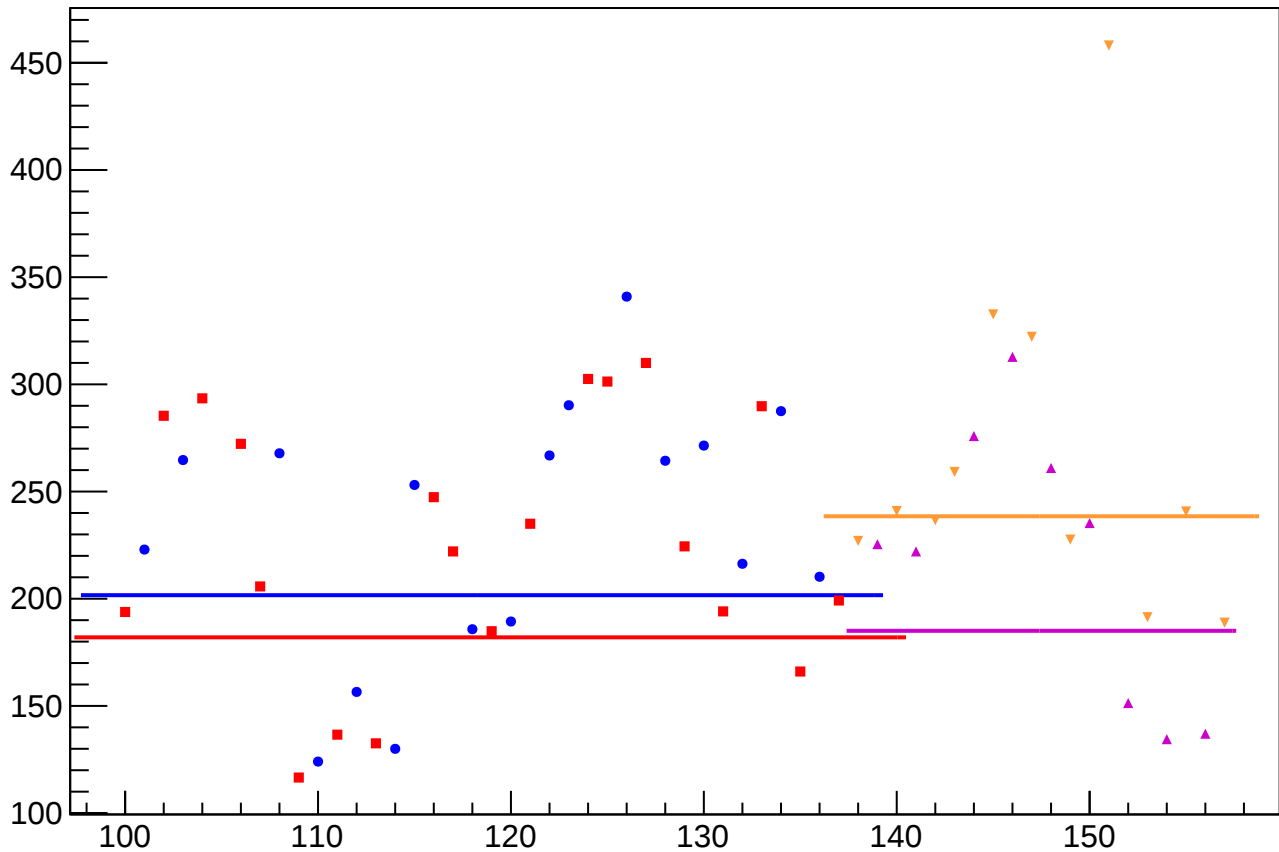
Left In: 70.912+/-74.265 χ^2/NDF : 5.3/8

92.192+/-59.520 χ^2/NDF : 9.8/27

62.783+/-39.207 χ^2/NDF : 23.8/56

40.240+/-52.110 χ^2/NDF : 13.5/28

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 201.654 +/- 0.058 χ^2/NDF : 883179.7/16

Left Out: 238.460 +/- 0.061 χ^2/NDF : 789581.2/10

Right Out: 181.986 +/- 0.052 χ^2/NDF : 1380269.0/19

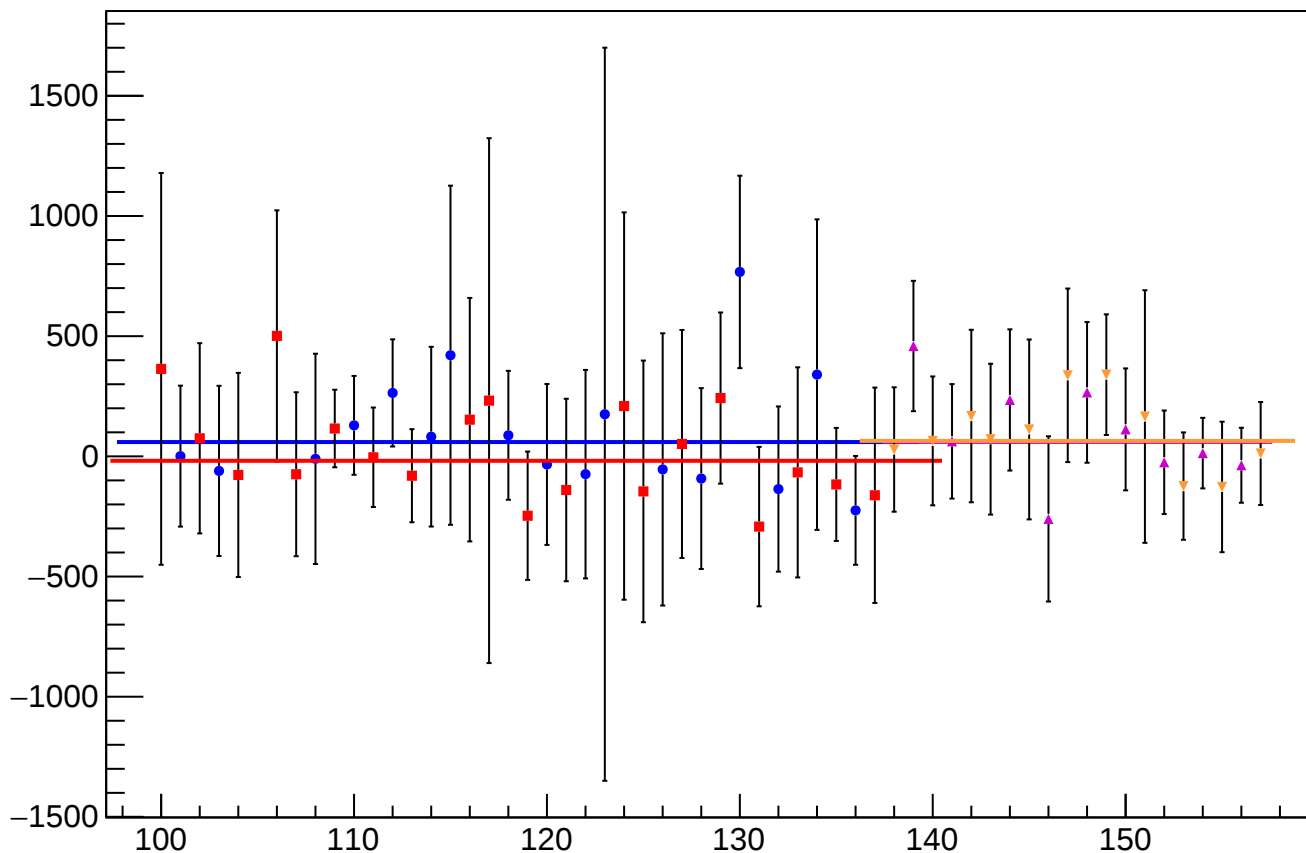
Left In: 185.032 +/- 0.053 χ^2/NDF : 1208208.0/8

219.009 +/- 0.042 χ^2/NDF : 1863331.2/27

198.900 +/- 0.028 χ^2/NDF : 4856795.0/56

183.486 +/- 0.037 χ^2/NDF : 2590185.9/28

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.496 $\pm$ 80.808 χ^2 /NDF: 7.0/16

Left Out: 64.348 $\pm$ 85.601 χ^2 /NDF: 3.2/10

Right Out: -18.457 $\pm$ 71.711 χ^2 /NDF: 4.8/19

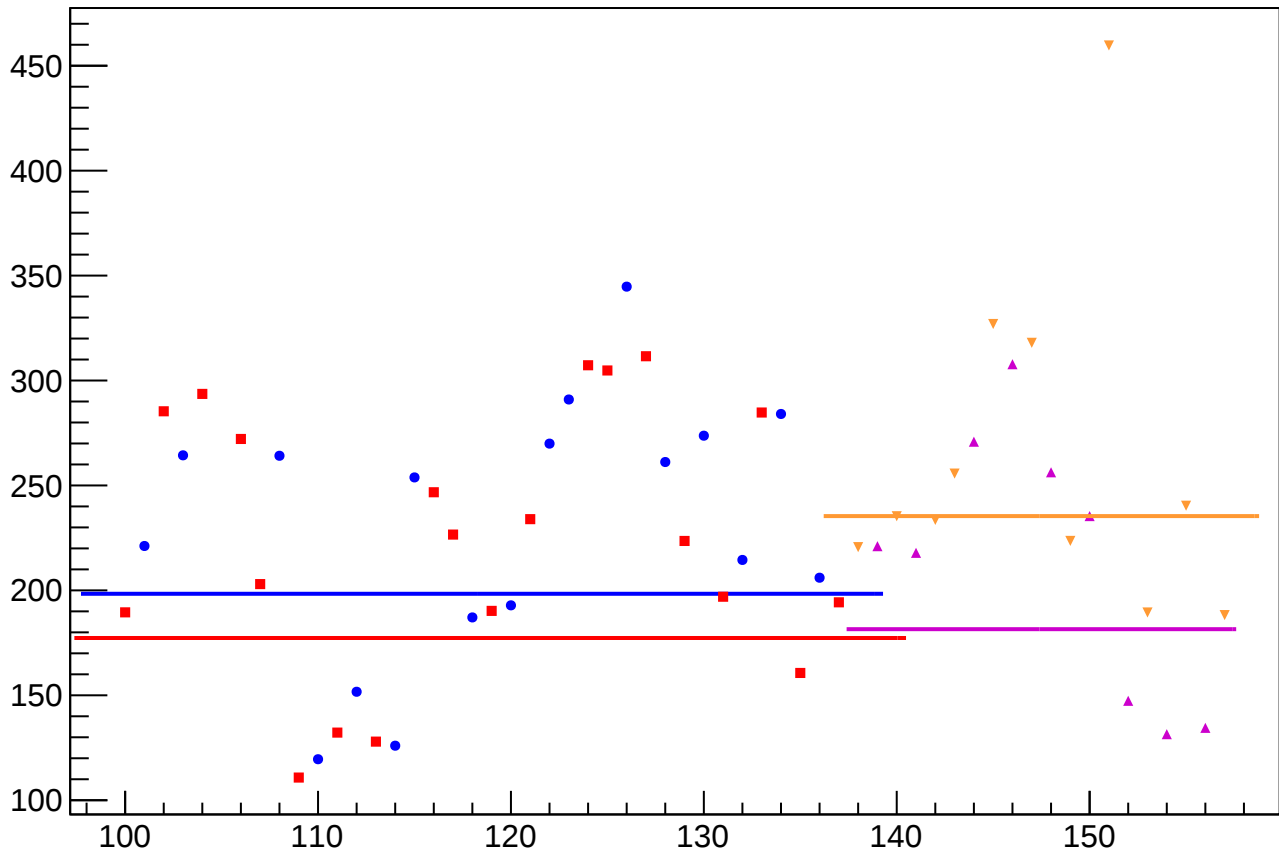
Left In: 60.147 $\pm$ 73.006 χ^2 /NDF: 4.6/8

61.782 $\pm$ 58.761 χ^2 /NDF: 10.2/27

38.096 $\pm$ 38.585 χ^2 /NDF: 20.4/56

20.142 $\pm$ 51.159 χ^2 /NDF: 9.9/28

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.378 +/- 0.057 χ^2/NDF : 963672.6/16

Left Out: 235.395 +/- 0.061 χ^2/NDF : 790072.2/10

Right Out: 177.309 +/- 0.051 χ^2/NDF : 1528855.2/19

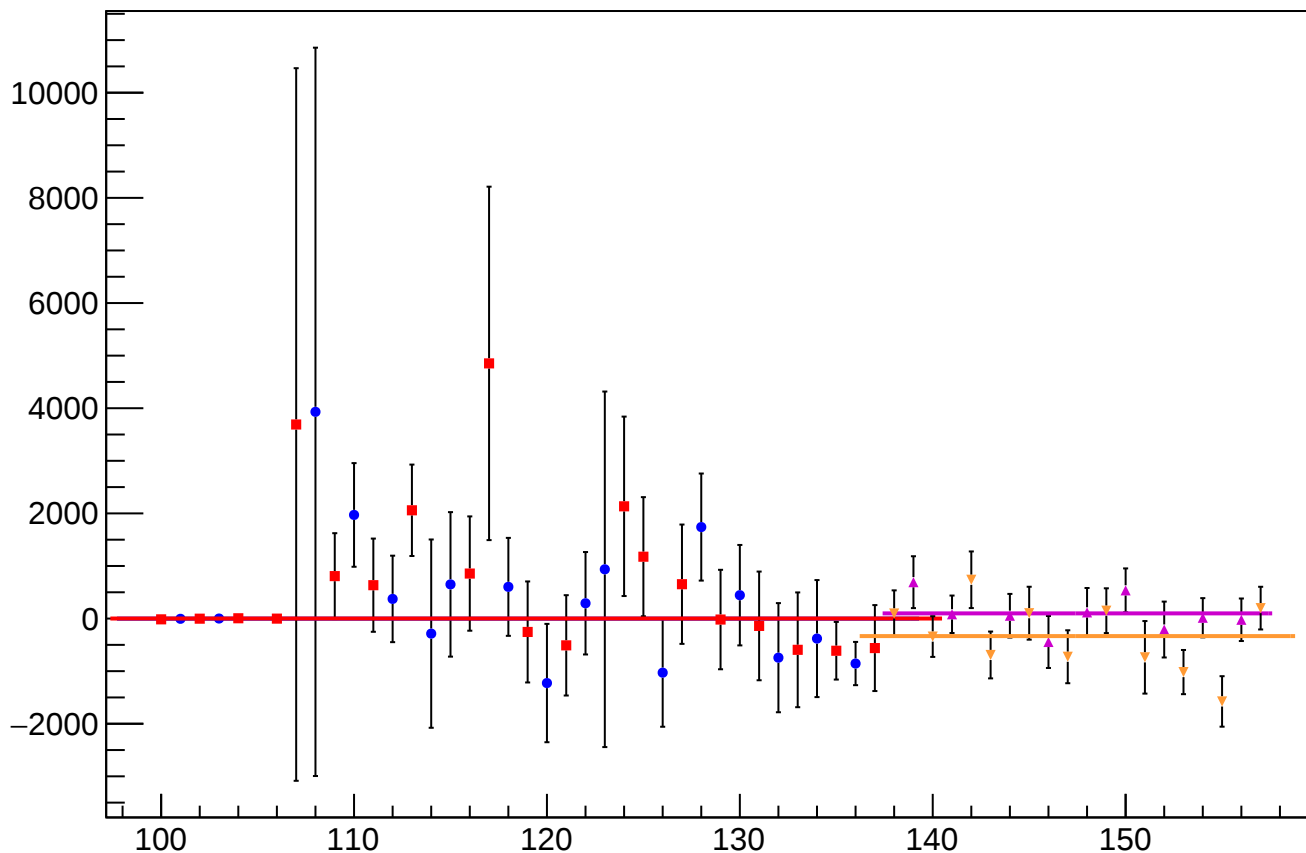
Left In: 181.512 +/- 0.052 χ^2/NDF : 1229255.4/8

215.821 +/- 0.042 χ^2/NDF : 1951508.0/27

195.088 +/- 0.027 χ^2/NDF : 5150699.2/56

179.373 +/- 0.036 χ^2/NDF : 2761484.1/28

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -333.259 ± 138.748 χ^2/NDF : 19.6/10

Right Out: 0.728 ± 2.111 χ^2/NDF : 21.4/19

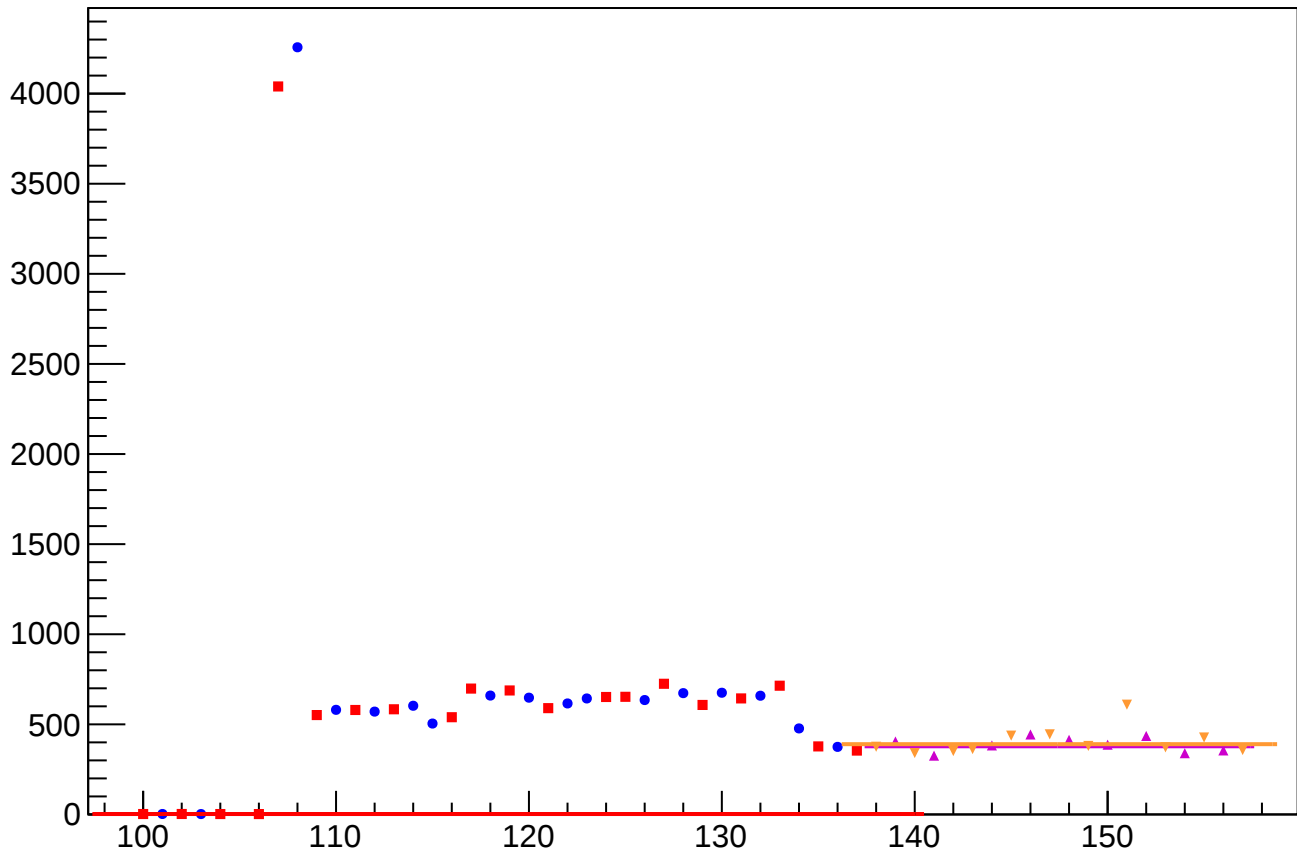
Left In: 98.649 ± 142.648 χ^2/NDF : 4.2/8

-1.617 ± 2.251 χ^2/NDF : 42.3/27

-0.357 ± 1.540 χ^2/NDF : 69.0/56

0.750 ± 2.111 χ^2/NDF : 26.1/28

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 390.004+/-0.098 χ^2/NDF : 324793.9/10

Right Out: 2.437+/-0.001 χ^2/NDF : 11233207.9/19

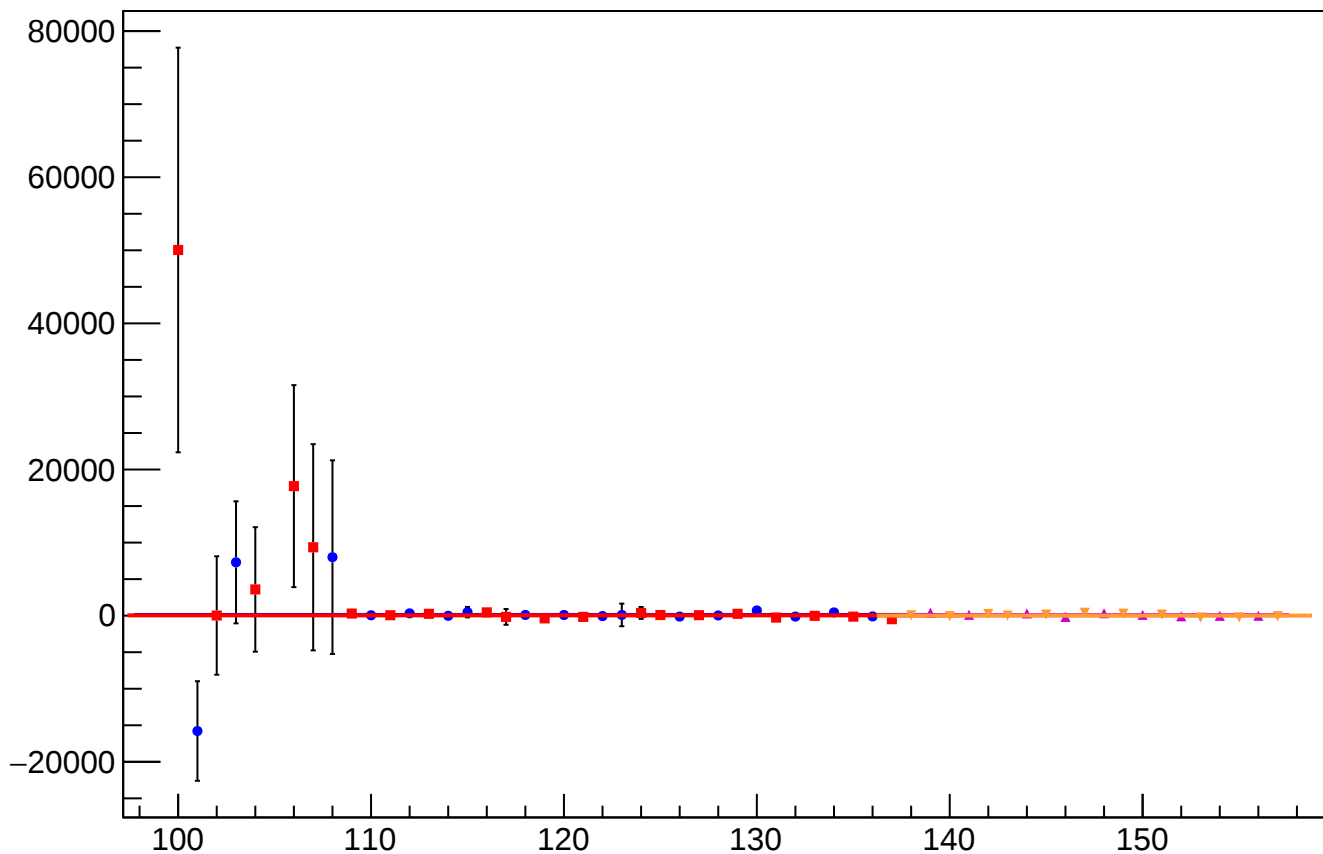
Left In: 378.316+/-0.101 χ^2/NDF : 147690.5/8

2.559+/-0.002 χ^2/NDF : 26772204.2/27

2.538+/-0.001 χ^2/NDF : 52036894.3/56

2.519+/-0.001 χ^2/NDF : 25264364.9/28

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: 7.568+/-91.487 χ^2/NDF : 4.5/10

Right Out: 41.024+/-84.237 χ^2/NDF : 13.9/19

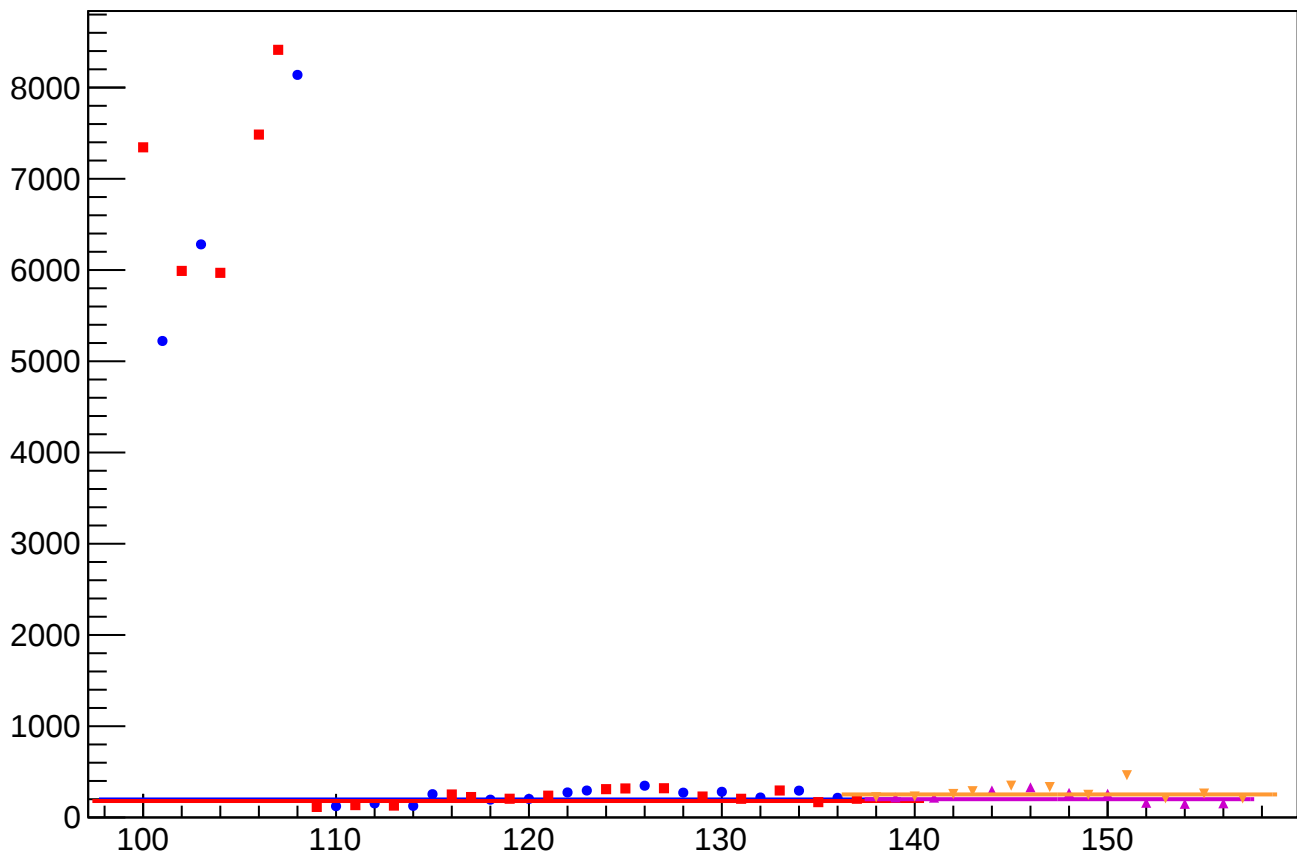
Left In: 73.088+/-79.566 χ^2/NDF : 4.4/8

53.419+/-64.468 χ^2/NDF : 16.8/27

55.940+/-43.053 χ^2/NDF : 35.2/56

57.970+/-57.843 χ^2/NDF : 18.4/28

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.086+/-0.064 χ^2/NDF : 3693614.0/16

Left Out: 252.358+/-0.065 χ^2/NDF : 726053.4/10

Right Out: 180.217+/-0.060 χ^2/NDF : 4324457.3/19

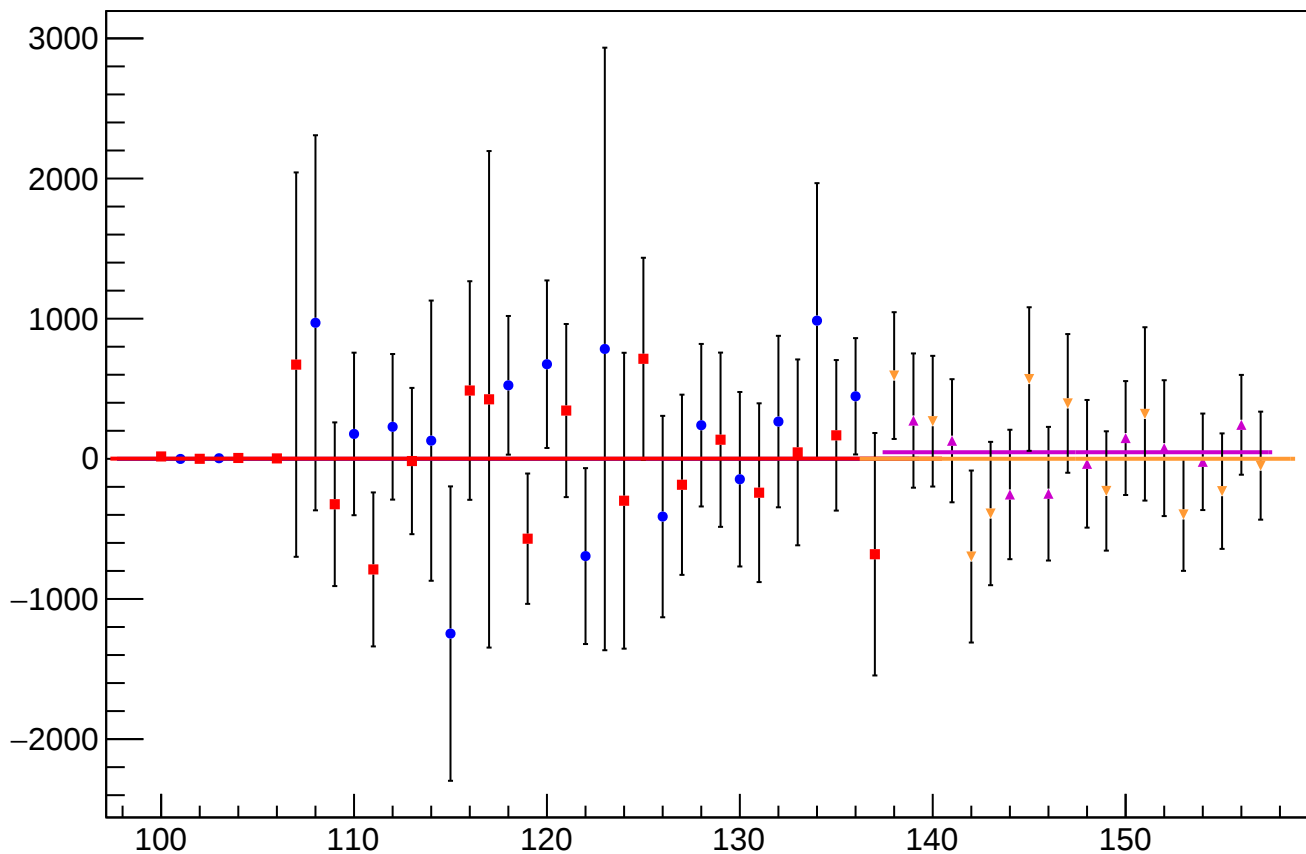
Left In: 200.151+/-0.056 χ^2/NDF : 1005341.9/8

224.532+/-0.046 χ^2/NDF : 4787186.9/27

205.817+/-0.030 χ^2/NDF : 10480388.1/56

190.752+/-0.041 χ^2/NDF : 5388986.4/28

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: 0.333 ± 140.326 χ^2/NDF : 7.7/10

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.7/19

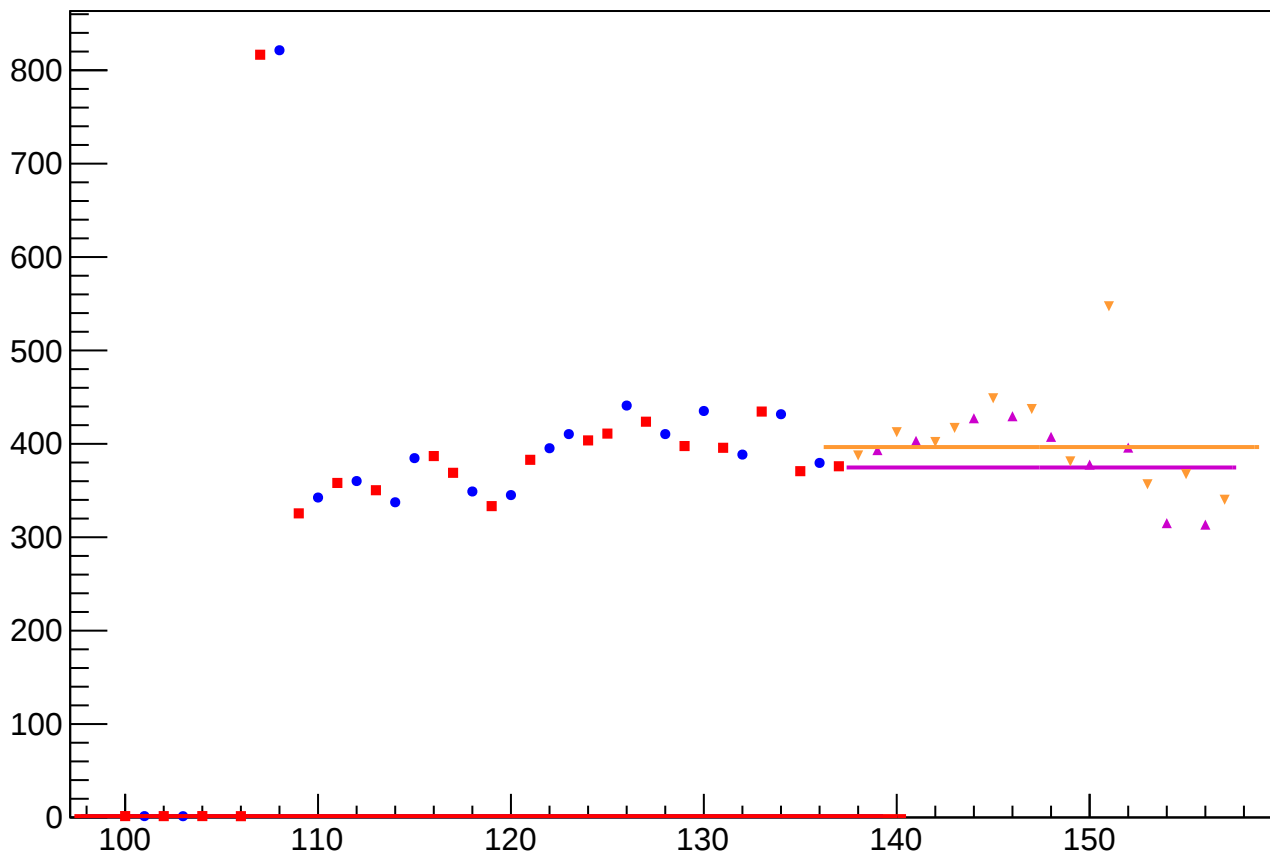
Left In: 47.001 ± 141.307 χ^2/NDF : 1.5/8

-0.138 ± 1.736 χ^2/NDF : 17.4/27

0.646 ± 1.186 χ^2/NDF : 29.1/56

1.330 ± 1.622 χ^2/NDF : 11.3/28

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 396.562+/-0.099 χ^2/NDF : 234521.3/10

Right Out: 1.451+/-0.001 χ^2/NDF : 10966832.6/19

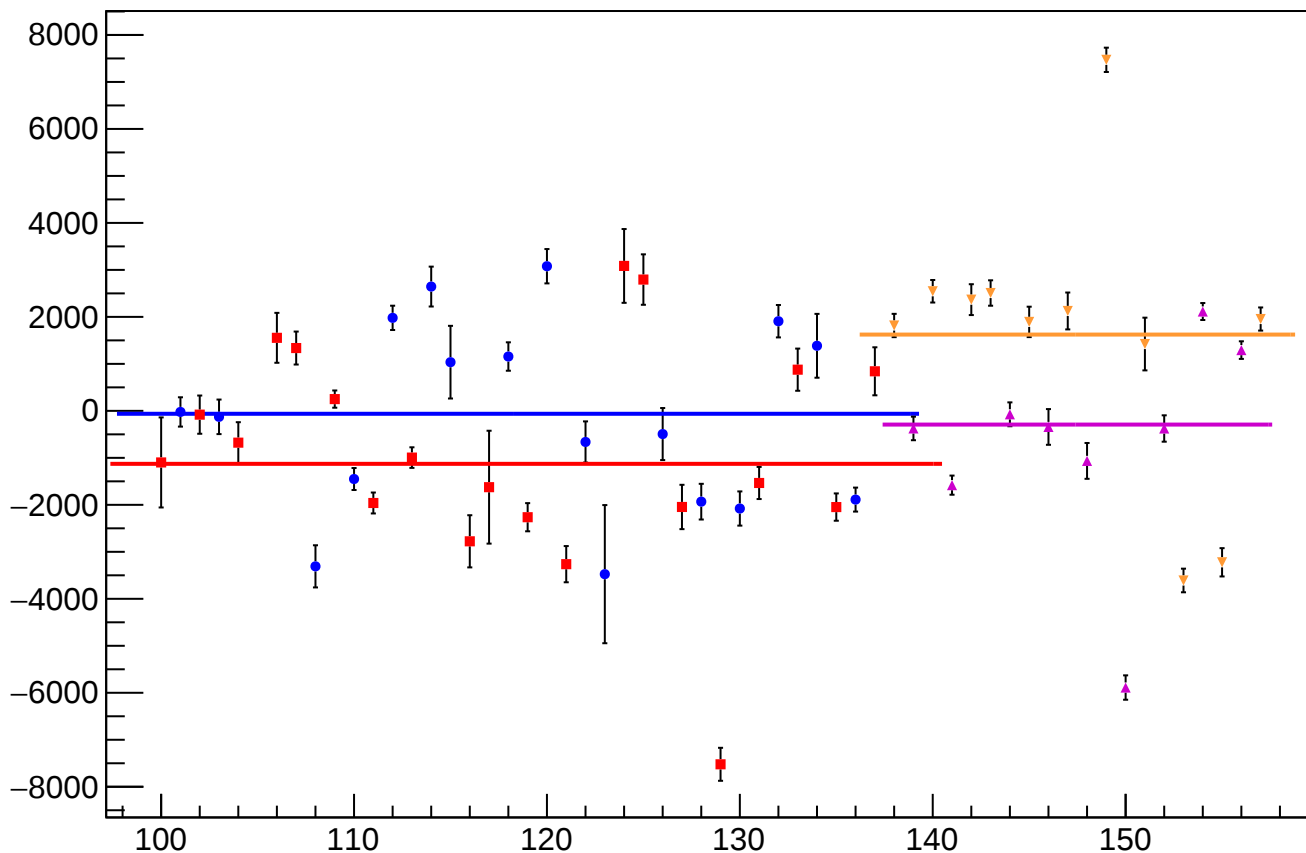
Left In: 374.689+/-0.100 χ^2/NDF : 197297.3/8

1.513+/-0.001 χ^2/NDF : 27045935.4/27

1.507+/-0.001 χ^2/NDF : 52161599.0/56

1.501+/-0.001 χ^2/NDF : 25115606.0/28

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -62.164 ± 87.424 χ^2/NDF : 433.9/16

Left Out: 1623.506 ± 86.349 χ^2/NDF : 1238.3/10

Right Out: -1127.552 ± 78.203 χ^2/NDF : 671.4/19

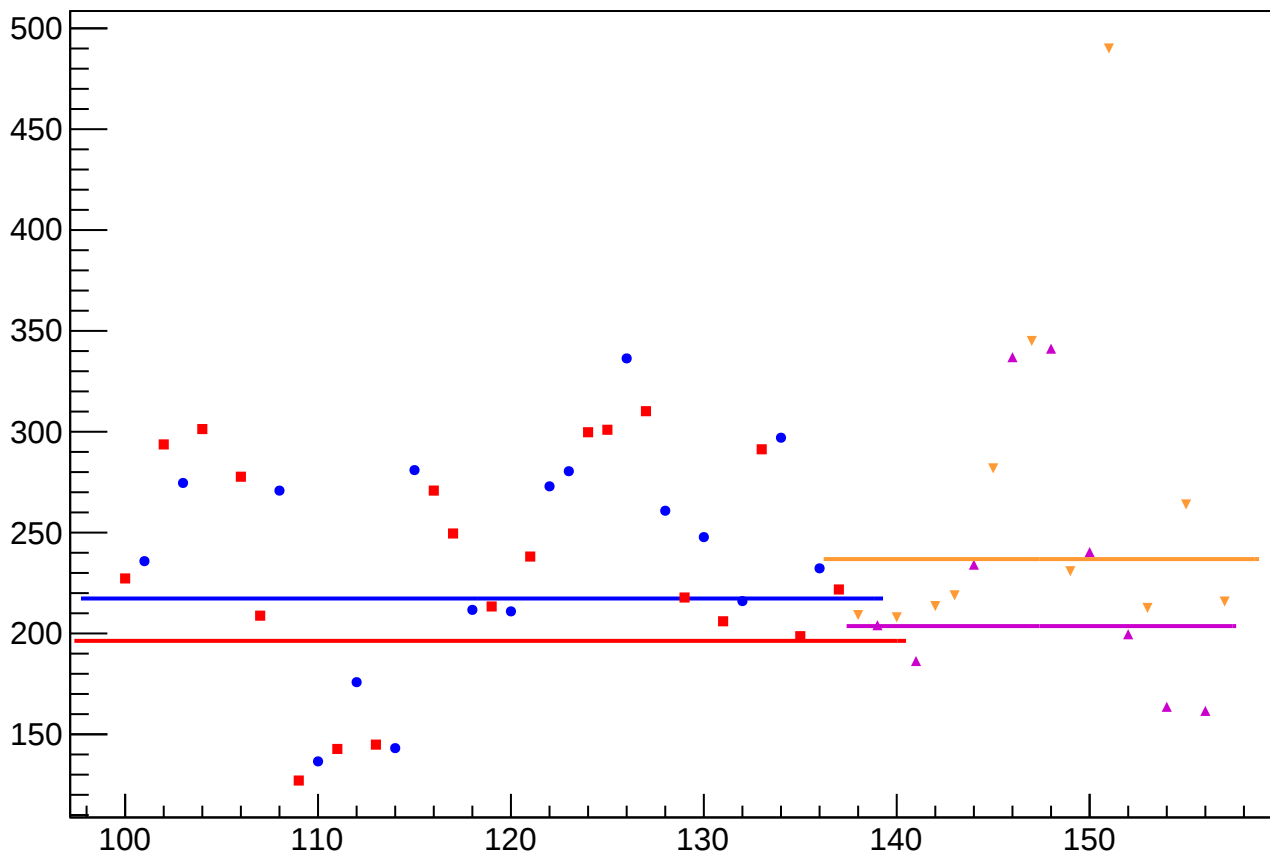
Left In: -291.949 ± 80.074 χ^2/NDF : 759.3/8

791.098 ± 61.434 χ^2/NDF : 1860.4/27

-34.722 ± 41.365 χ^2/NDF : 3677.4/56

-719.624 ± 55.948 χ^2/NDF : 1486.5/28

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.330 +/- 0.062 χ^2/NDF : 652722.5/16

Left Out: 236.861 +/- 0.061 χ^2/NDF : 721148.6/10

Right Out: 196.332 +/- 0.055 χ^2/NDF : 1194678.0/19

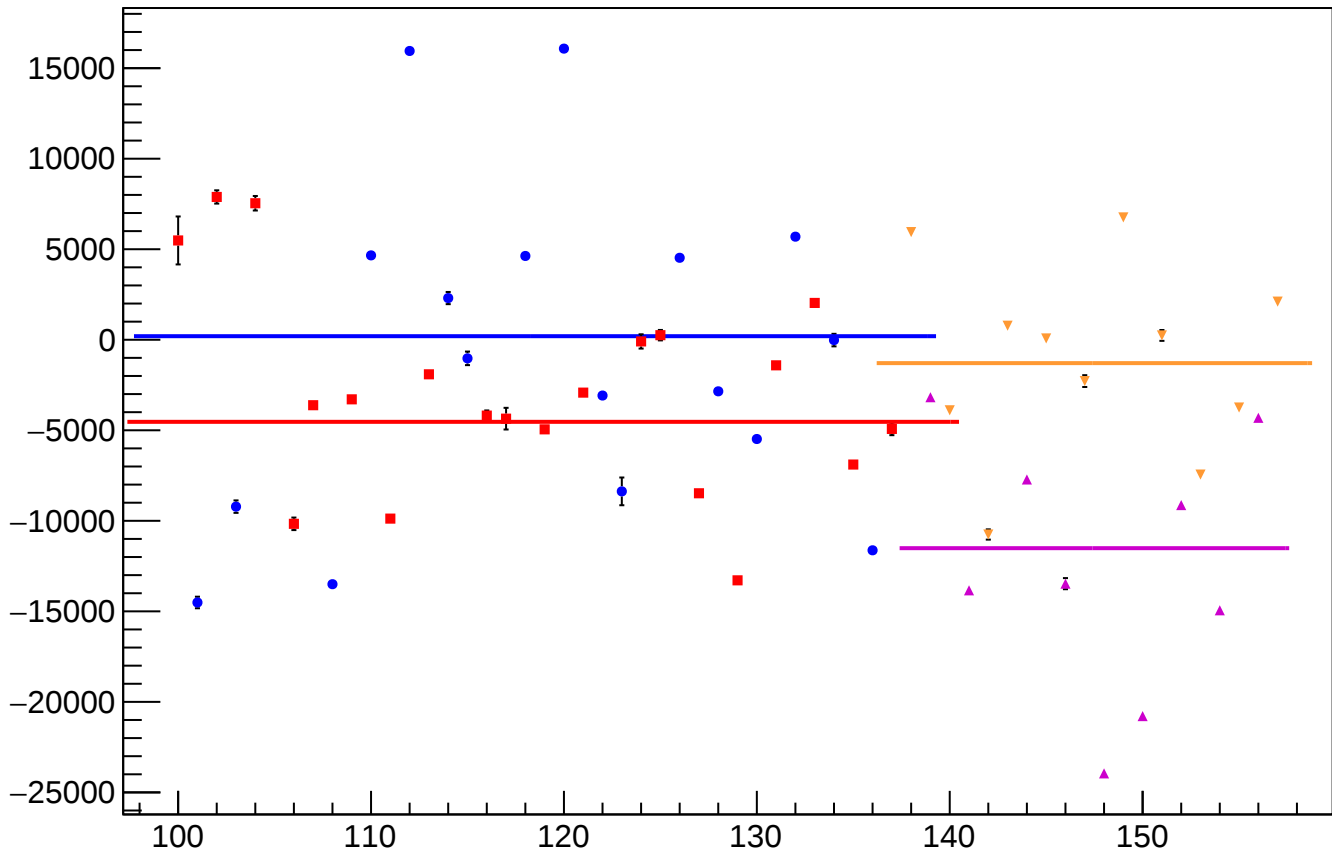
Left In: 203.655 +/- 0.057 χ^2/NDF : 788297.0/8

227.216 +/- 0.043 χ^2/NDF : 1424397.9/27

212.288 +/- 0.029 χ^2/NDF : 3631973.1/56

199.907 +/- 0.040 χ^2/NDF : 1991536.2/28

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 197.008 ± 54.799 $\chi^2/\text{NDF}: 30658.3/16$

Left Out: -1290.533 ± 62.347 $\chi^2/\text{NDF}: 6470.0/10$

Right Out: -4532.856 ± 52.261 $\chi^2/\text{NDF}: 7477.3/19$

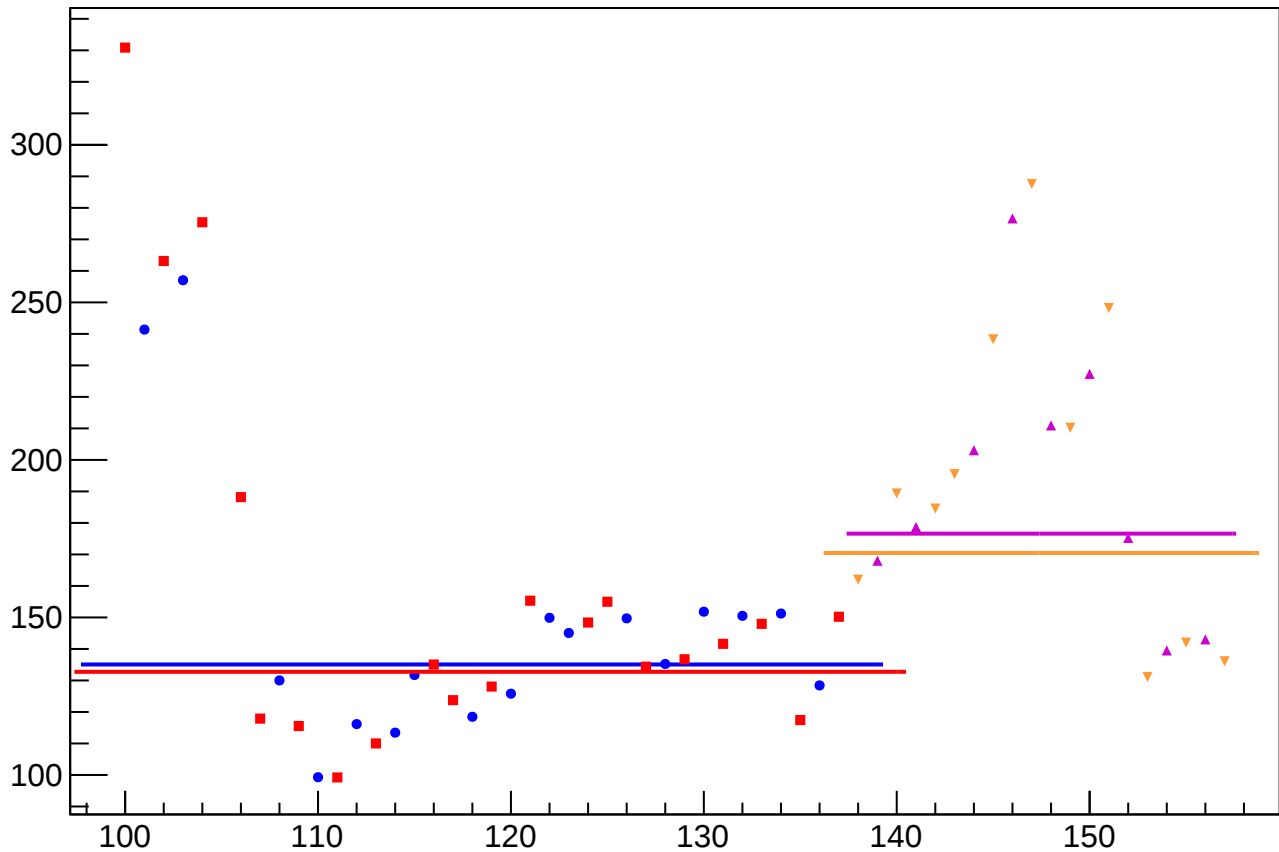
Left In: -11511.073 ± 68.481 $\chi^2/\text{NDF}: 8711.5/8$

-451.306 ± 41.160 $\chi^2/\text{NDF}: 37449.5/27$

-3745.257 ± 29.240 $\chi^2/\text{NDF}: 73129.7/56$

-7101.165 ± 41.545 $\chi^2/\text{NDF}: 22750.8/28$

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 135.072 +/- 0.039 χ^2/NDF : 658703.5/16

Left Out: 170.471 +/- 0.044 χ^2/NDF : 921328.1/10

Right Out: 132.747 +/- 0.037 χ^2/NDF : 831647.2/19

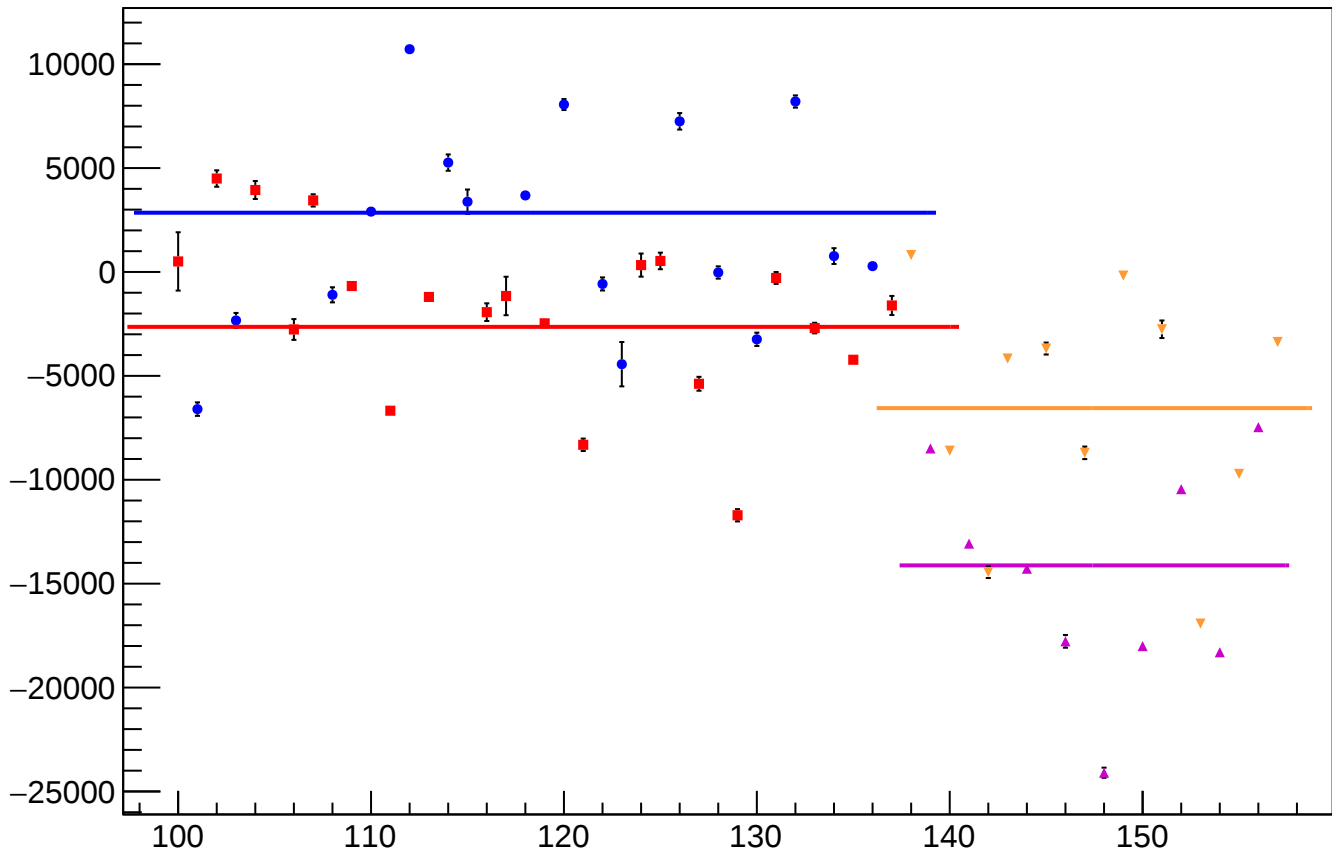
Left In: 176.599 +/- 0.048 χ^2/NDF : 572586.4/8

150.500 +/- 0.029 χ^2/NDF : 1943773.0/27

149.701 +/- 0.021 χ^2/NDF : 3867803.1/56

148.887 +/- 0.029 χ^2/NDF : 1922508.6/28

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2851.437 ± 70.753 $\chi^2/\text{NDF}: 4178.1/16$

Left Out: -6551.512 ± 71.498 $\chi^2/\text{NDF}: 6586.4/10$

Right Out: -2641.642 ± 65.566 $\chi^2/\text{NDF}: 3178.3/19$

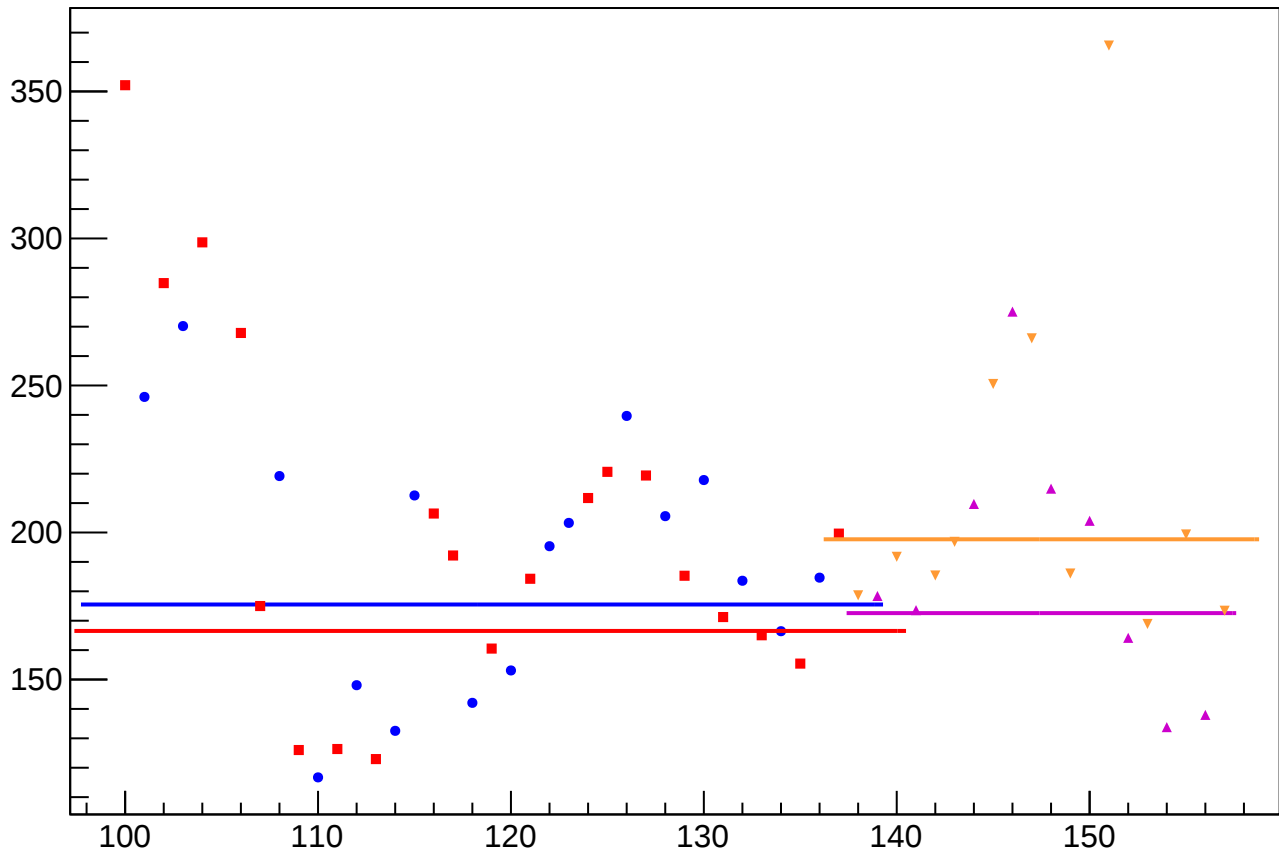
Left In: -14121.080 ± 67.279 $\chi^2/\text{NDF}: 5628.1/8$

-1800.802 ± 50.291 $\chi^2/\text{NDF}: 19502.9/27$

-5237.466 ± 34.321 $\chi^2/\text{NDF}: 51981.6/56$

-8233.361 ± 46.956 $\chi^2/\text{NDF}: 23738.3/28$

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 197.690 $\pm$ 0.051 χ^2 /NDF: 587347.3/10

Right Out: 166.522 $\pm$ 0.046 χ^2 /NDF: 931079.9/19

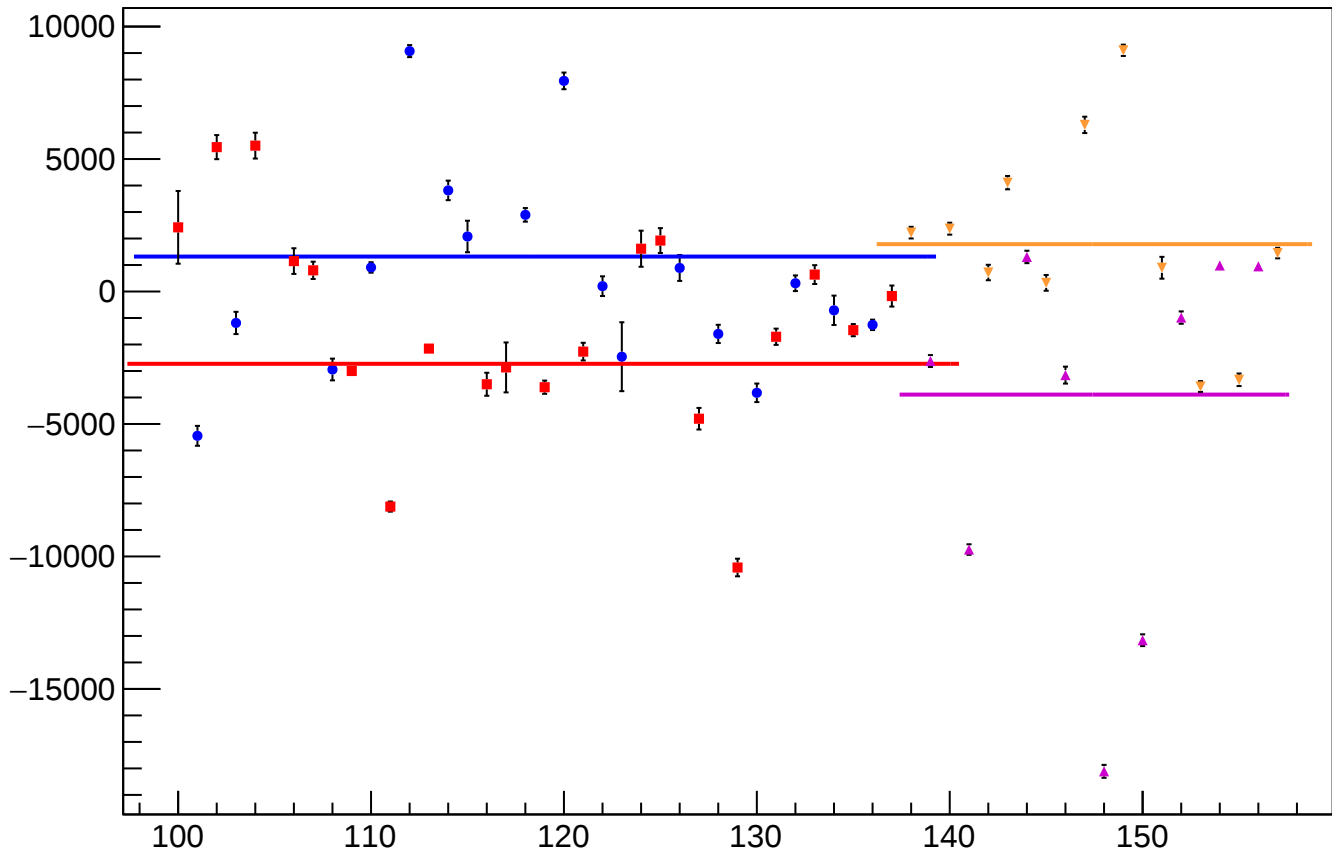
Left In: 172.584 $\pm$ 0.048 χ^2 /NDF: 614224.9/8

186.486 $\pm$ 0.036 χ^2 /NDF: 1374192.3/27

177.398 $\pm$ 0.024 χ^2 /NDF: 3050074.3/56

169.475 $\pm$ 0.033 χ^2 /NDF: 1553631.3/28

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1787.827+/-73.578 χ^2/NDF : 2702.4/10

Right Out: -2728.550+/-69.837 χ^2/NDF : 2495.9/19

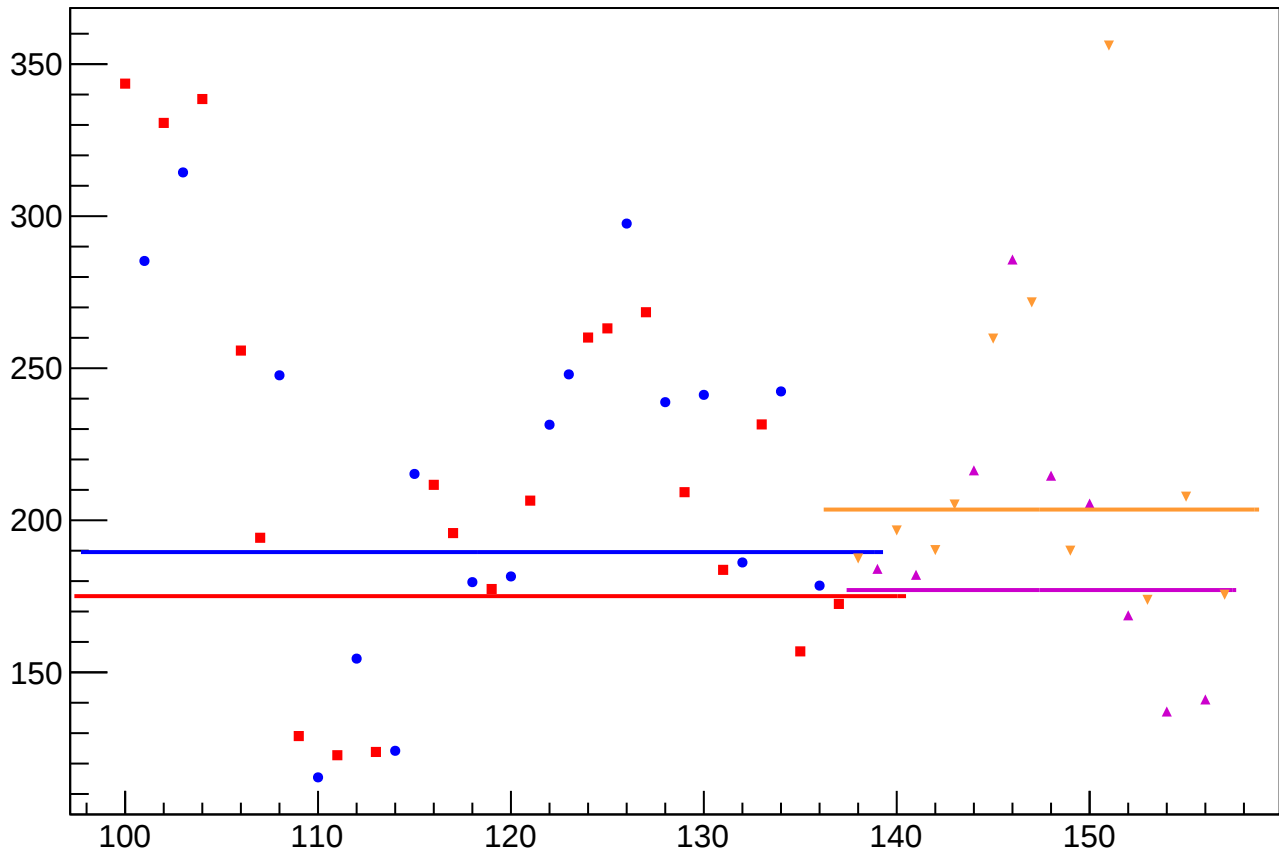
Left In: -3890.894+/-69.071 χ^2/NDF : 8606.0/8

1564.510+/-53.244 χ^2/NDF : 5388.7/27

-1072.656+/-36.099 χ^2/NDF : 21170.9/56

-3316.129+/-49.109 χ^2/NDF : 11242.0/28

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 203.529 $\pm$ 0.052 χ^2 /NDF: 550364.3/10

Right Out: 175.058 $\pm$ 0.049 χ^2 /NDF: 1298079.7/19

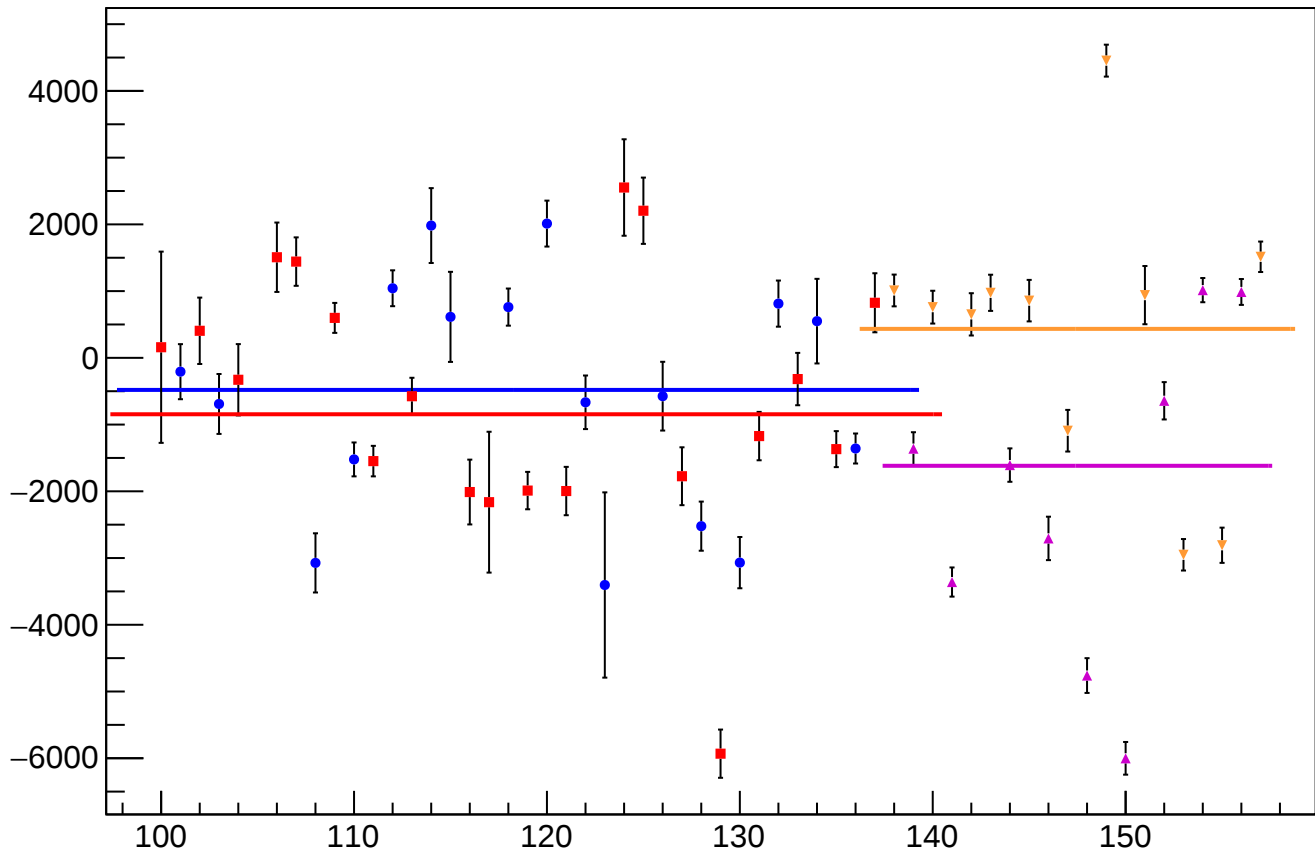
Left In: 177.060 $\pm$ 0.049 χ^2 /NDF: 610438.7/8

196.868 $\pm$ 0.038 χ^2 /NDF: 1565523.9/27

185.630 $\pm$ 0.026 χ^2 /NDF: 3639752.8/56

176.070 $\pm$ 0.035 χ^2 /NDF: 1909349.4/28

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -480.578 $\pm$ 88.640 χ^2 /NDF: 290.7/16

Left Out: 434.203 $\pm$ 80.952 χ^2 /NDF: 700.4/10

Right Out: -845.444 $\pm$ 81.995 χ^2 /NDF: 436.9/19

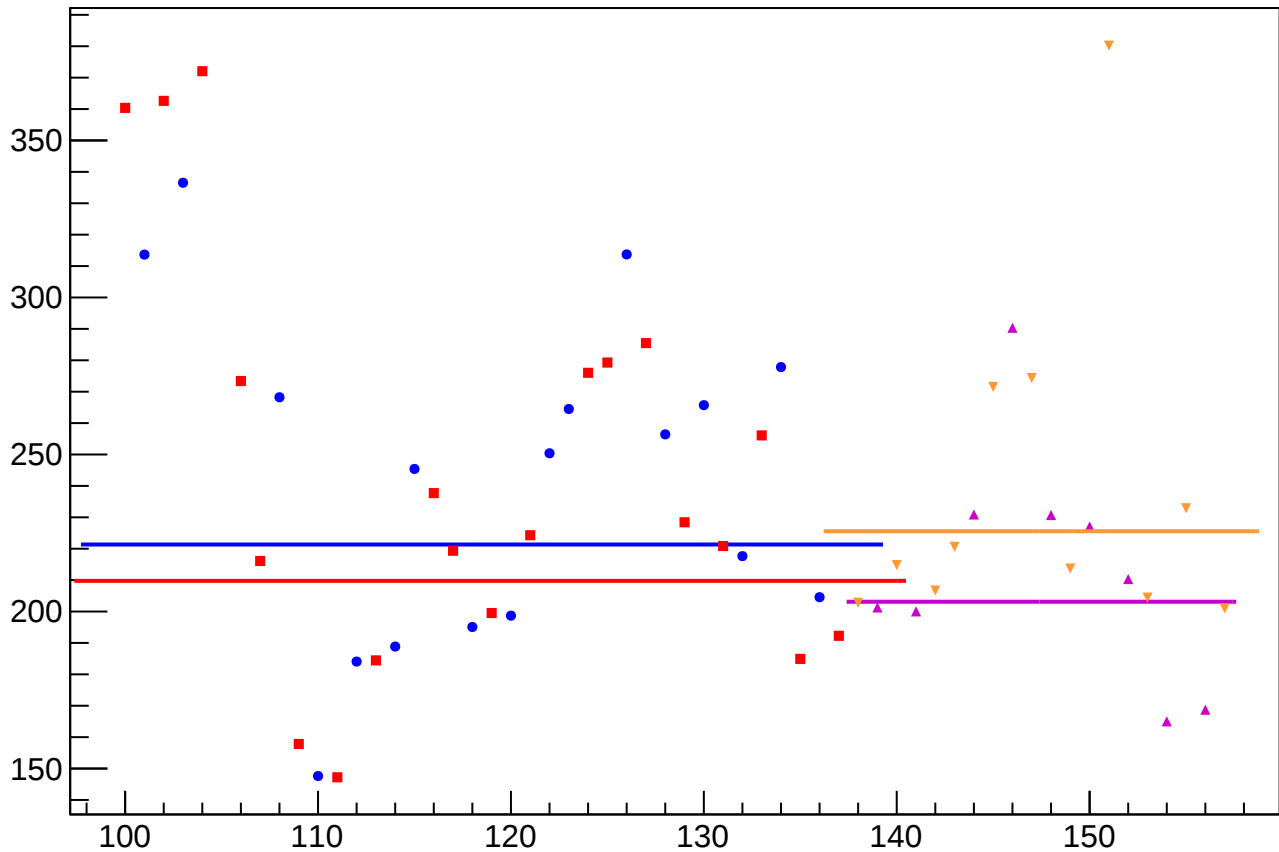
Left In: -1617.695 $\pm$ 78.086 χ^2 /NDF: 944.8/8

18.201 $\pm$ 59.775 χ^2 /NDF: 1049.2/27

-651.290 $\pm$ 41.078 χ^2 /NDF: 2715.1/56

-1250.412 $\pm$ 56.547 χ^2 /NDF: 1428.2/28

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.342 +/- 0.063 χ^2/NDF : 645688.1/16

Left Out: 225.564 +/- 0.057 χ^2/NDF : 419352.1/10

Right Out: 209.775 +/- 0.058 χ^2/NDF : 884083.7/19

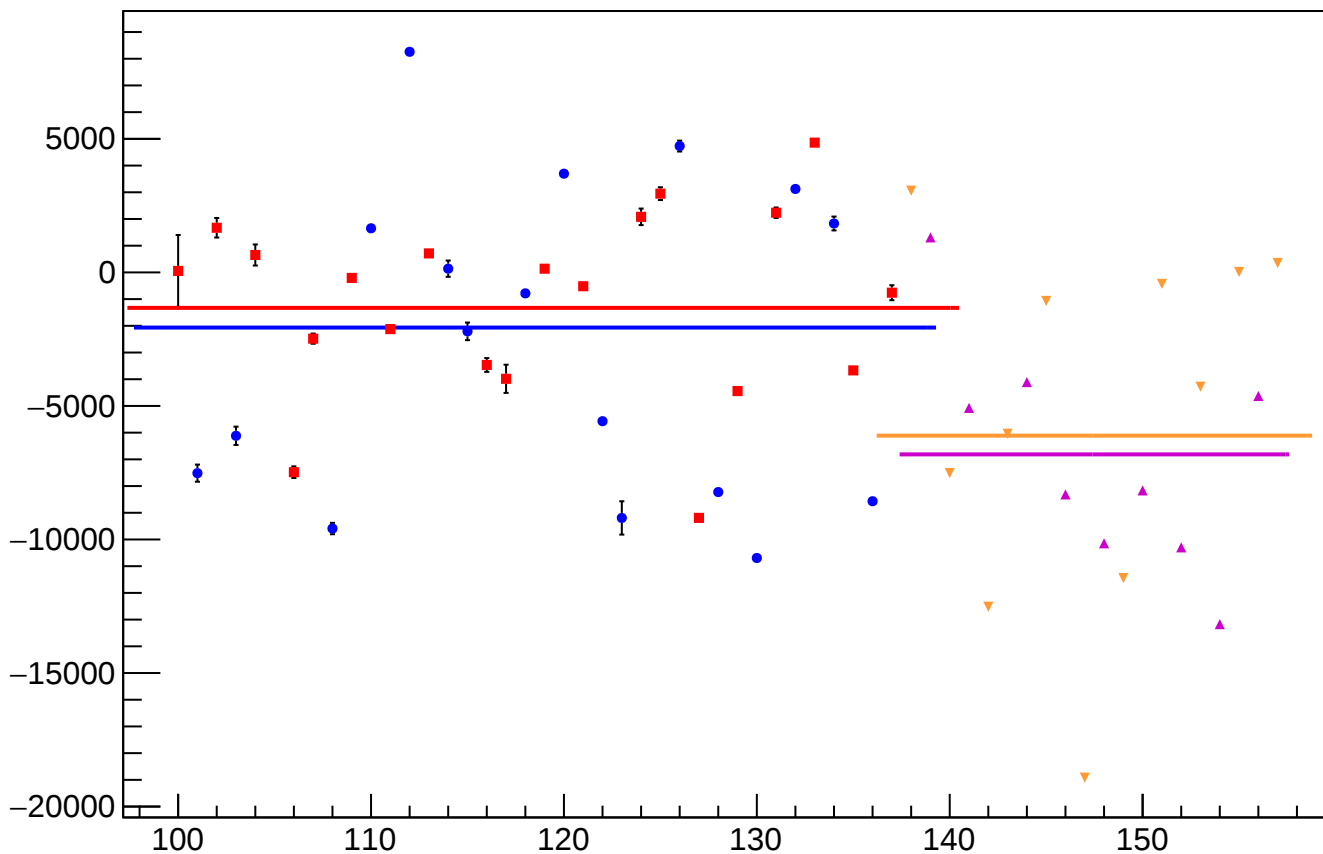
Left In: 203.117 +/- 0.055 χ^2/NDF : 362834.7/8

223.644 +/- 0.042 χ^2/NDF : 1067513.9/27

214.482 +/- 0.029 χ^2/NDF : 2410380.1/56

206.283 +/- 0.040 χ^2/NDF : 1253834.1/28

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -6111.595 ± 41.332 $\chi^2/\text{NDF}: 26199.5/10$

Right Out: -1327.819 ± 44.838 $\chi^2/\text{NDF}: 5919.9/19$

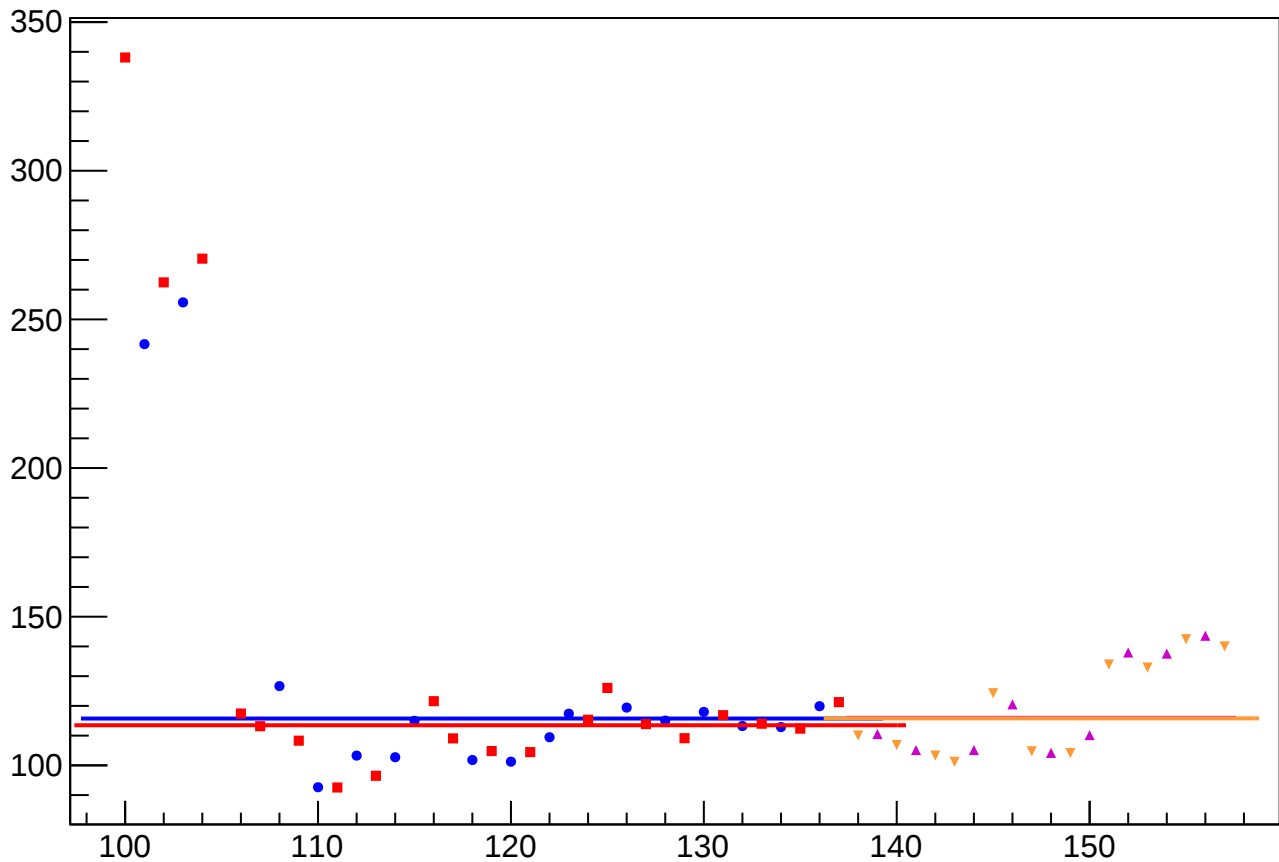
Left In: -6814.091 ± 43.595 $\chi^2/\text{NDF}: 7831.2/8$

-4360.518 ± 31.130 $\chi^2/\text{NDF}: 46880.4/27$

-4254.716 ± 22.057 $\chi^2/\text{NDF}: 68350.6/56$

-4148.051 ± 31.257 $\chi^2/\text{NDF}: 21447.1/28$

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 $\pm$ 0.033 $\chi^2/\text{NDF}: 744017.7/16$

Left Out: 115.796 $\pm$ 0.029 $\chi^2/\text{NDF}: 254449.8/10$

Right Out: 113.487 $\pm$ 0.032 $\chi^2/\text{NDF}: 796781.7/19$

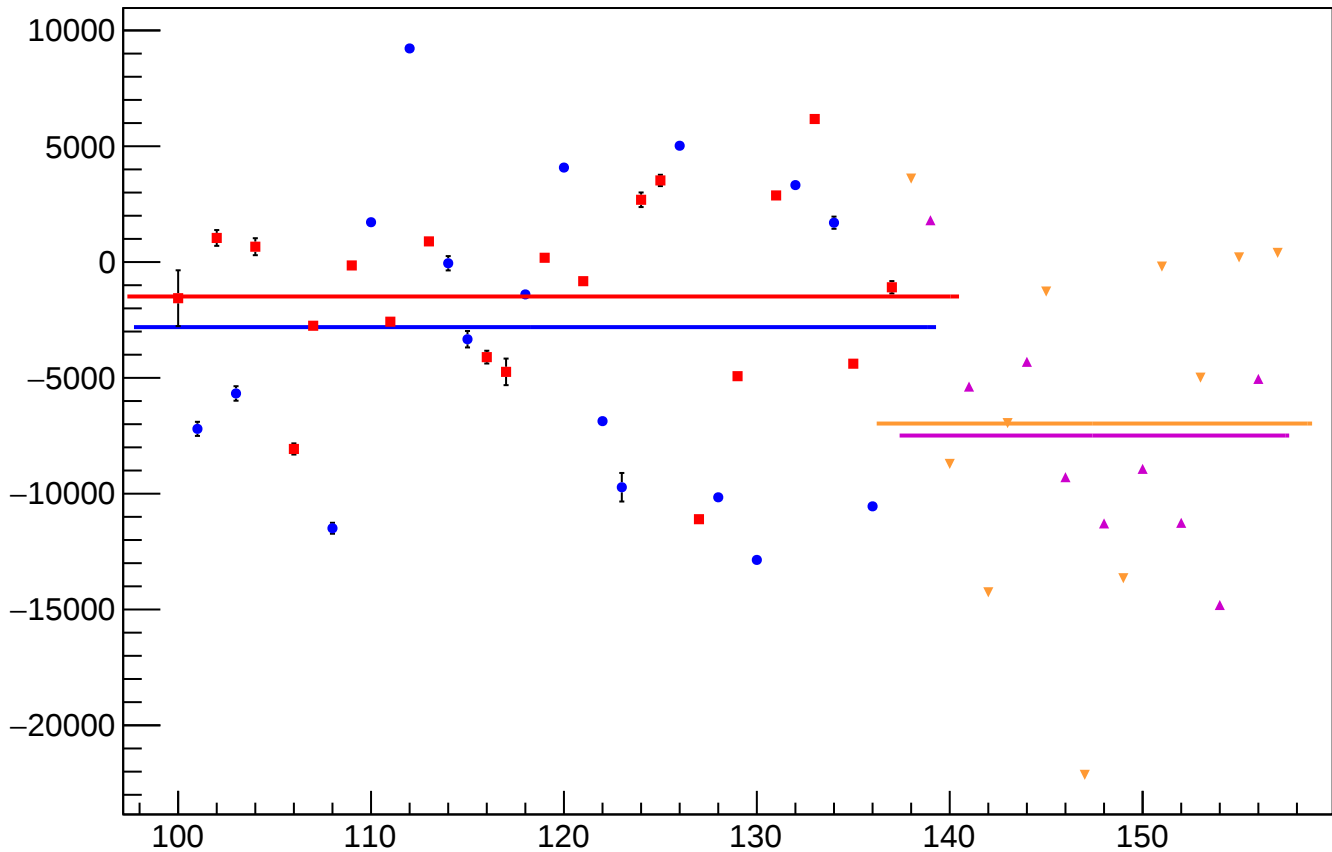
Left In: 115.980 $\pm$ 0.031 $\chi^2/\text{NDF}: 205640.4/8$

115.772 $\pm$ 0.022 $\chi^2/\text{NDF}: 998469.0/27$

115.272 $\pm$ 0.016 $\chi^2/\text{NDF}: 2005103.9/56$

114.768 $\pm$ 0.022 $\chi^2/\text{NDF}: 1005600.2/28$

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2809.101+/-48.284 χ^2/NDF : 21263.1/16

Left Out: -6971.853+/-44.129 χ^2/NDF : 31482.1/10

Right Out: -1486.369+/-46.243 χ^2/NDF : 8037.1/19

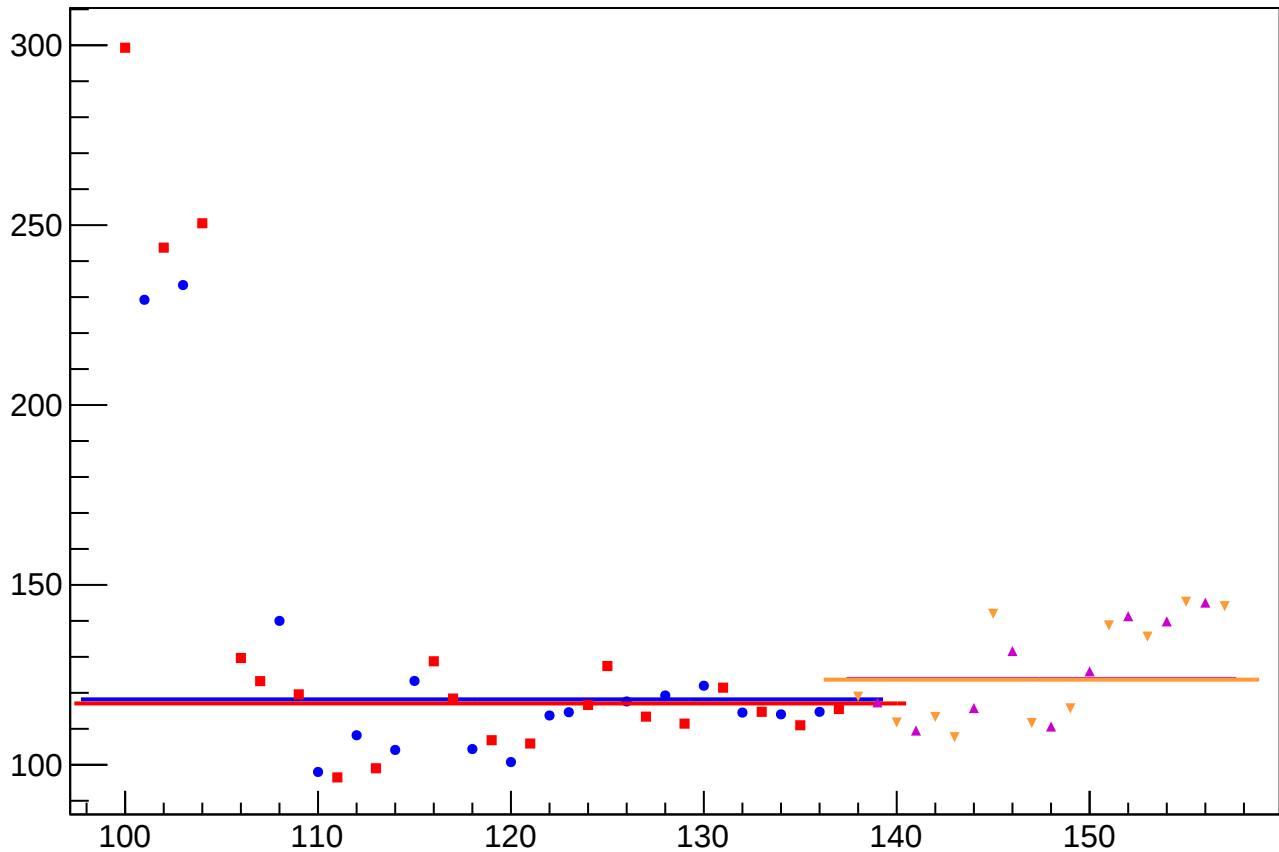
Left In: -7489.909+/-46.516 χ^2/NDF : 9258.1/8

-5077.279+/-32.574 χ^2/NDF : 56795.1/27

-4775.948+/-23.111 χ^2/NDF : 82640.4/56

-4470.519+/-32.795 χ^2/NDF : 25673.0/28

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.188 $\pm$ 0.034 χ^2 /NDF: 636252.0/16

Left Out: 123.672 $\pm$ 0.031 χ^2 /NDF: 201558.8/10

Right Out: 117.054 $\pm$ 0.033 χ^2 /NDF: 690646.8/19

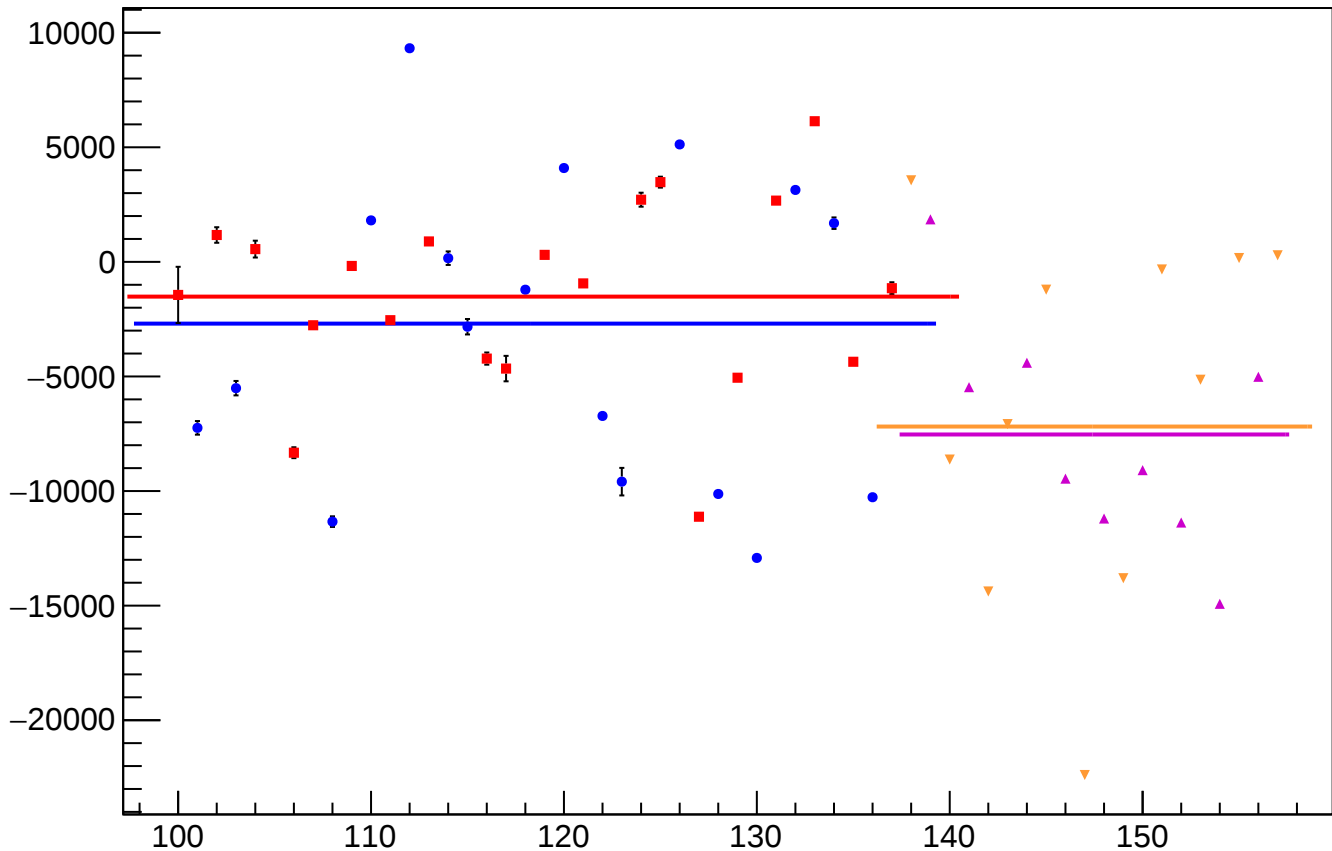
Left In: 123.868 $\pm$ 0.033 χ^2 /NDF: 148742.9/8

121.176 $\pm$ 0.023 χ^2 /NDF: 851868.9/27

120.811 $\pm$ 0.016 χ^2 /NDF: 1713344.1/56

120.441 $\pm$ 0.023 χ^2 /NDF: 860969.1/28

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2694.260+/-46.347 χ^2/NDF : 22860.3/16

Left Out: -7185.532+/-42.897 χ^2/NDF : 34409.7/10

Right Out: -1515.863+/-44.303 χ^2/NDF : 8749.3/19

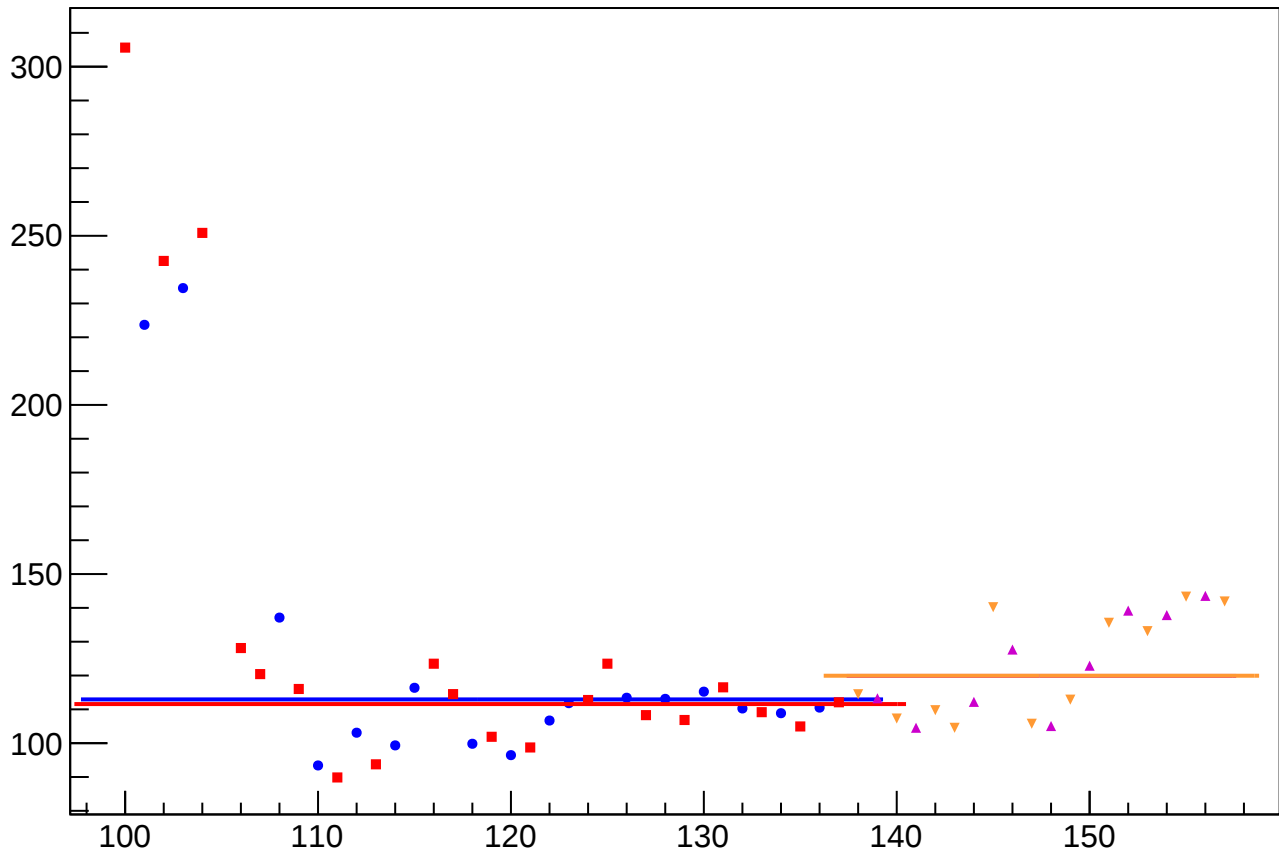
Left In: -7531.877+/-45.136 χ^2/NDF : 9920.5/8

-5113.271+/-31.482 χ^2/NDF : 62327.8/27

-4791.933+/-22.309 χ^2/NDF : 90254.9/56

-4467.819+/-31.618 χ^2/NDF : 27717.8/28

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 112.940 +/- 0.033 χ^2/NDF : 680283.1/16

Left Out: 119.939 +/- 0.030 χ^2/NDF : 238710.0/10

Right Out: 111.562 +/- 0.031 χ^2/NDF : 765559.1/19

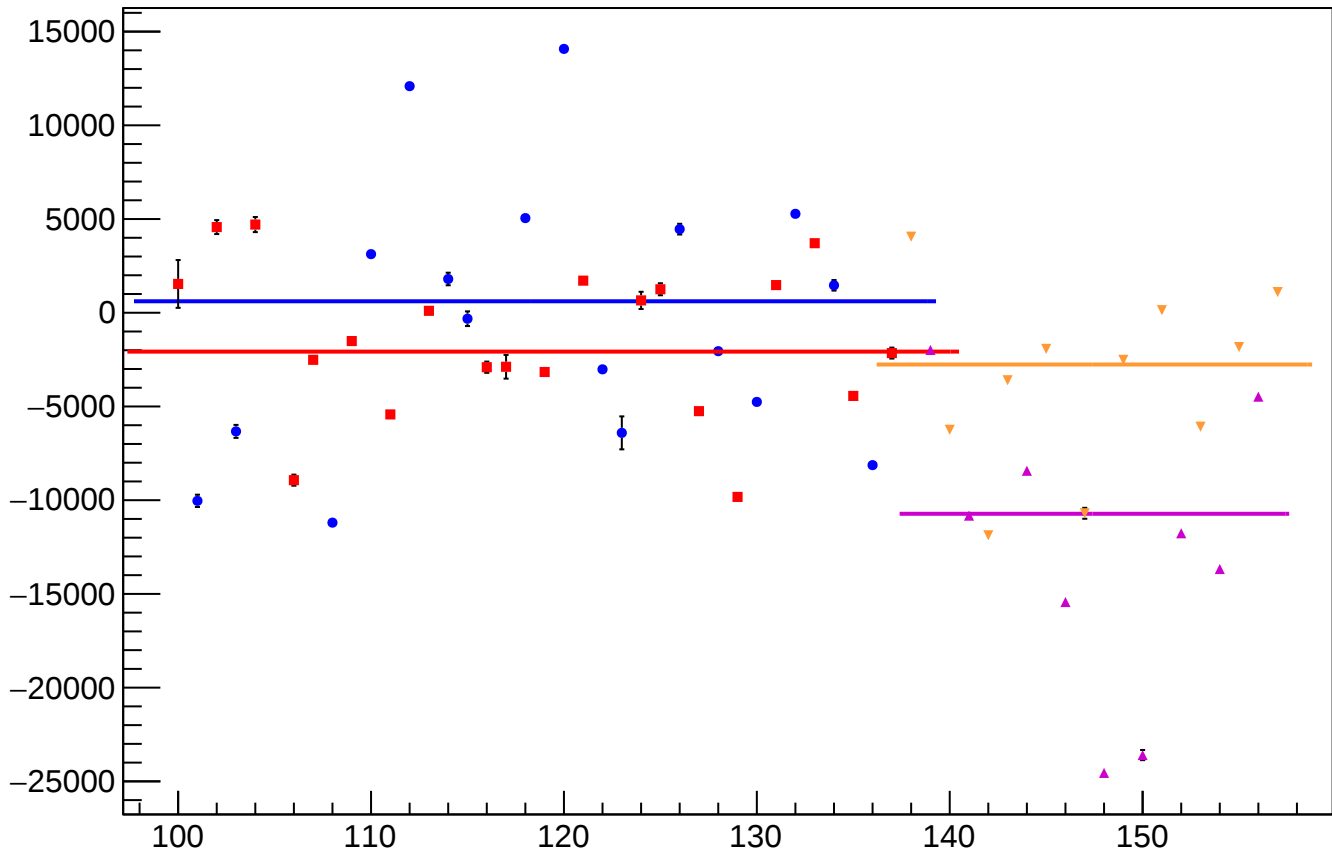
Left In: 119.876 +/- 0.032 χ^2/NDF : 187411.2/8

116.710 +/- 0.022 χ^2/NDF : 943556.0/27

116.178 +/- 0.016 χ^2/NDF : 1932229.1/56

115.642 +/- 0.022 χ^2/NDF : 987526.6/28

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 612.621 ± 56.062 χ^2/NDF : 18243.4/16

Left Out: -2761.443 ± 55.160 χ^2/NDF : 6010.2/10

Right Out: -2073.278 ± 53.736 χ^2/NDF : 4644.3/19

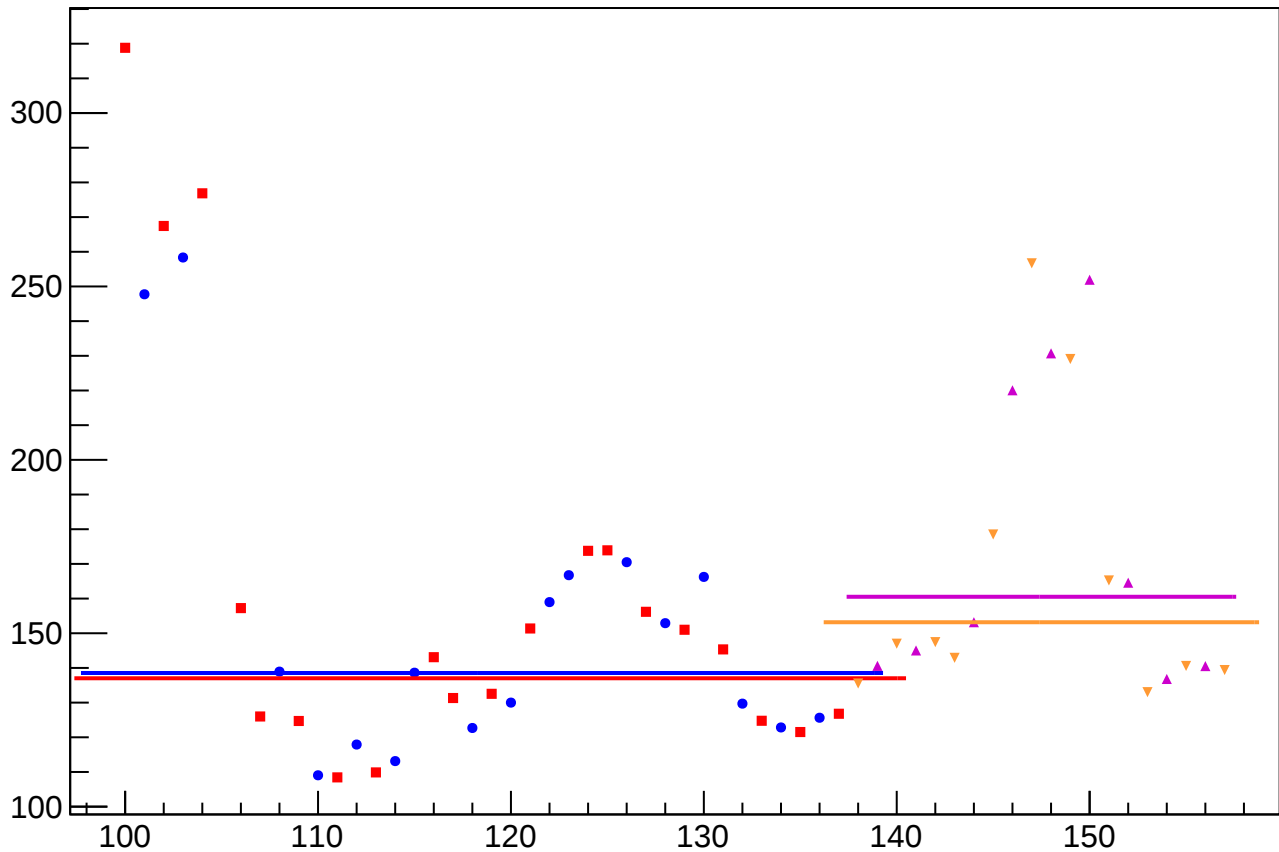
Left In: -10724.666 ± 61.335 χ^2/NDF : 10092.8/8

-1101.774 ± 39.319 χ^2/NDF : 26094.0/27

-3400.767 ± 28.183 χ^2/NDF : 59118.5/56

-5830.134 ± 40.418 χ^2/NDF : 25993.0/28

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 153.177 $\pm$ 0.039 χ^2 /NDF: 566069.3/10

Right Out: 137.019 $\pm$ 0.038 χ^2 /NDF: 755655.0/19

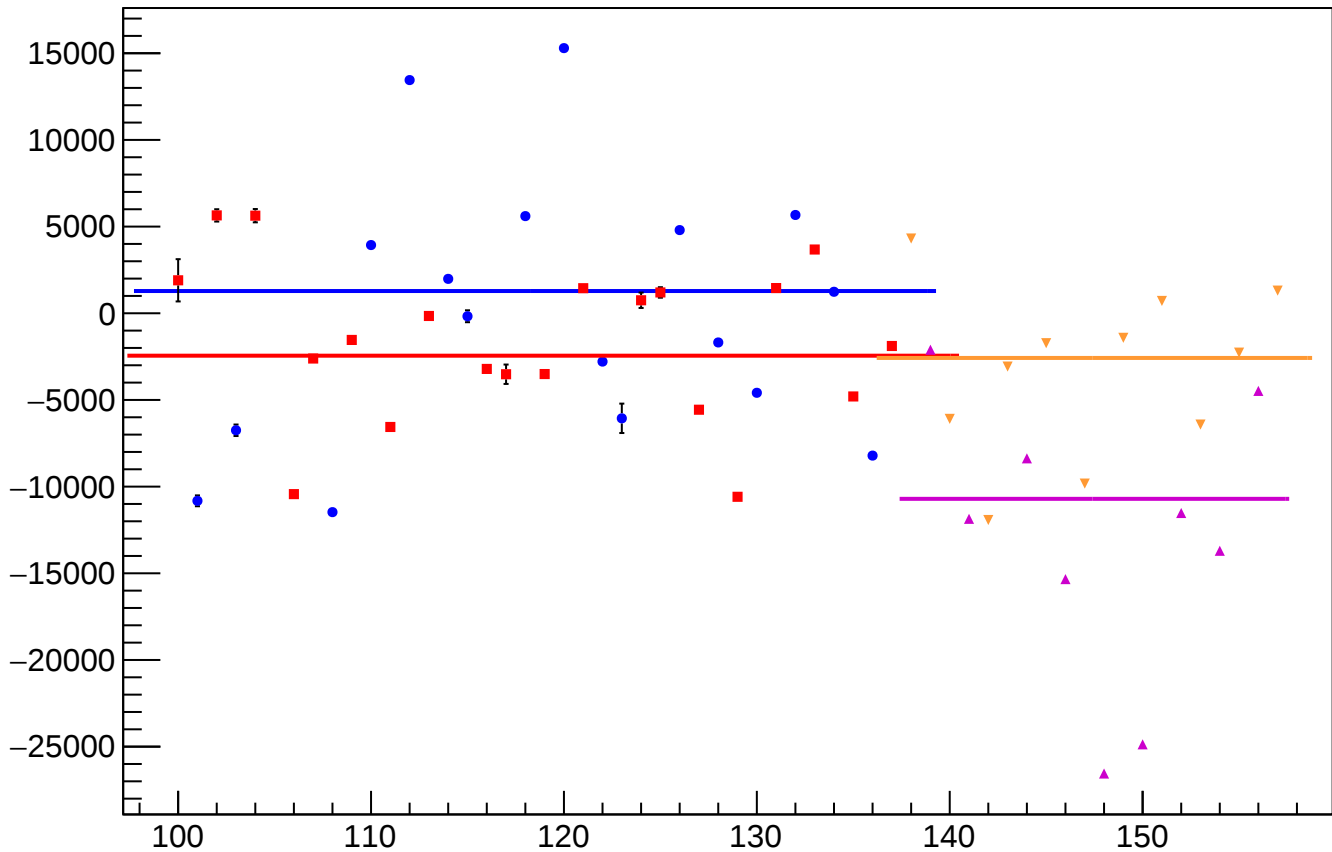
Left In: 160.521 $\pm$ 0.043 χ^2 /NDF: 620902.9/8

145.978 $\pm$ 0.028 χ^2 /NDF: 1304268.3/27

146.584 $\pm$ 0.020 χ^2 /NDF: 2847934.3/56

147.225 $\pm$ 0.029 χ^2 /NDF: 1542687.9/28

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -2577.203+/-48.897 χ^2/NDF : 8042.8/10

Right Out: -2446.970+/-44.148 χ^2/NDF : 7681.2/19

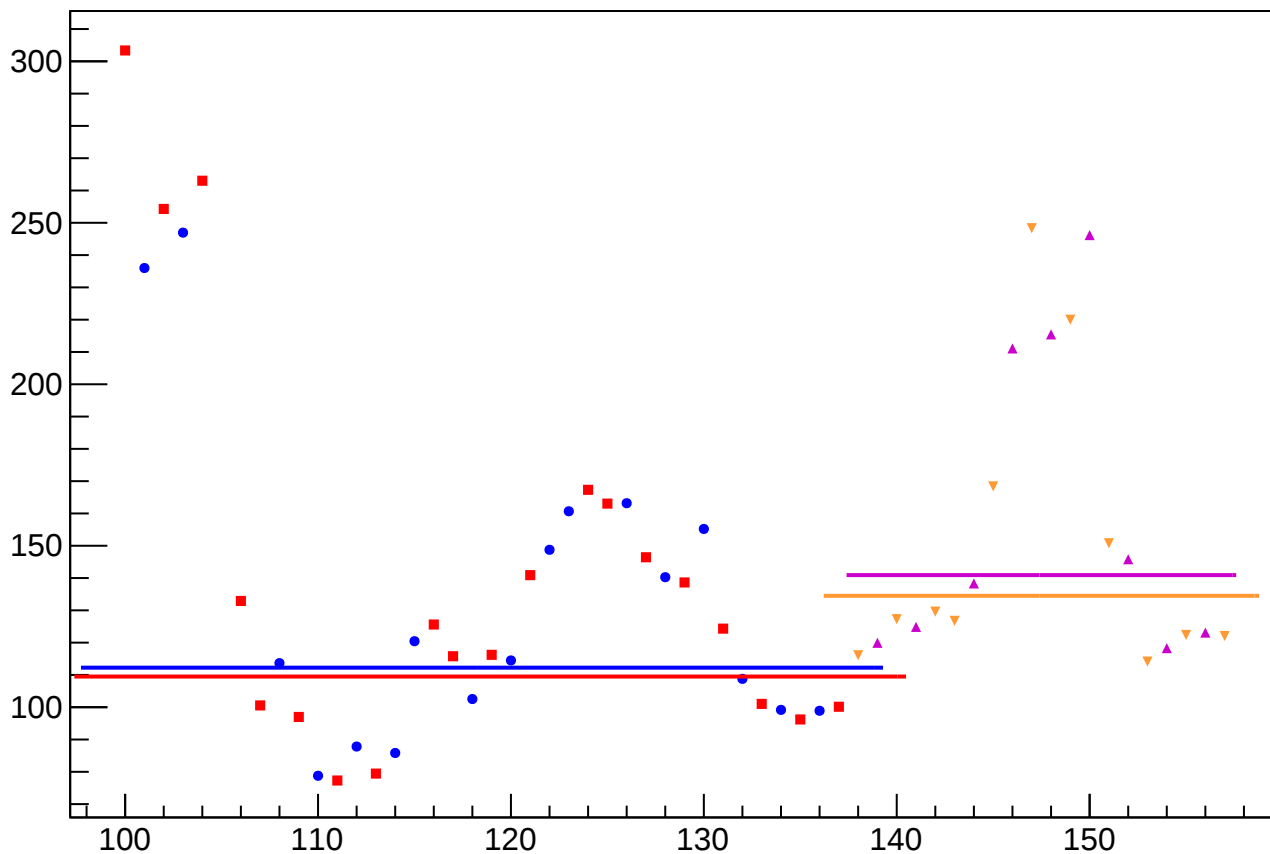
Left In: -10705.045+/-54.534 χ^2/NDF : 13562.8/8

-553.152+/-33.724 χ^2/NDF : 41851.4/27

-3090.012+/-24.052 χ^2/NDF : 88465.3/56

-5716.363+/-34.313 χ^2/NDF : 35096.6/28

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 134.499+/-0.035 χ^2/NDF : 774005.0/10

Right Out: 109.500+/-0.031 χ^2/NDF : 1269887.8/19

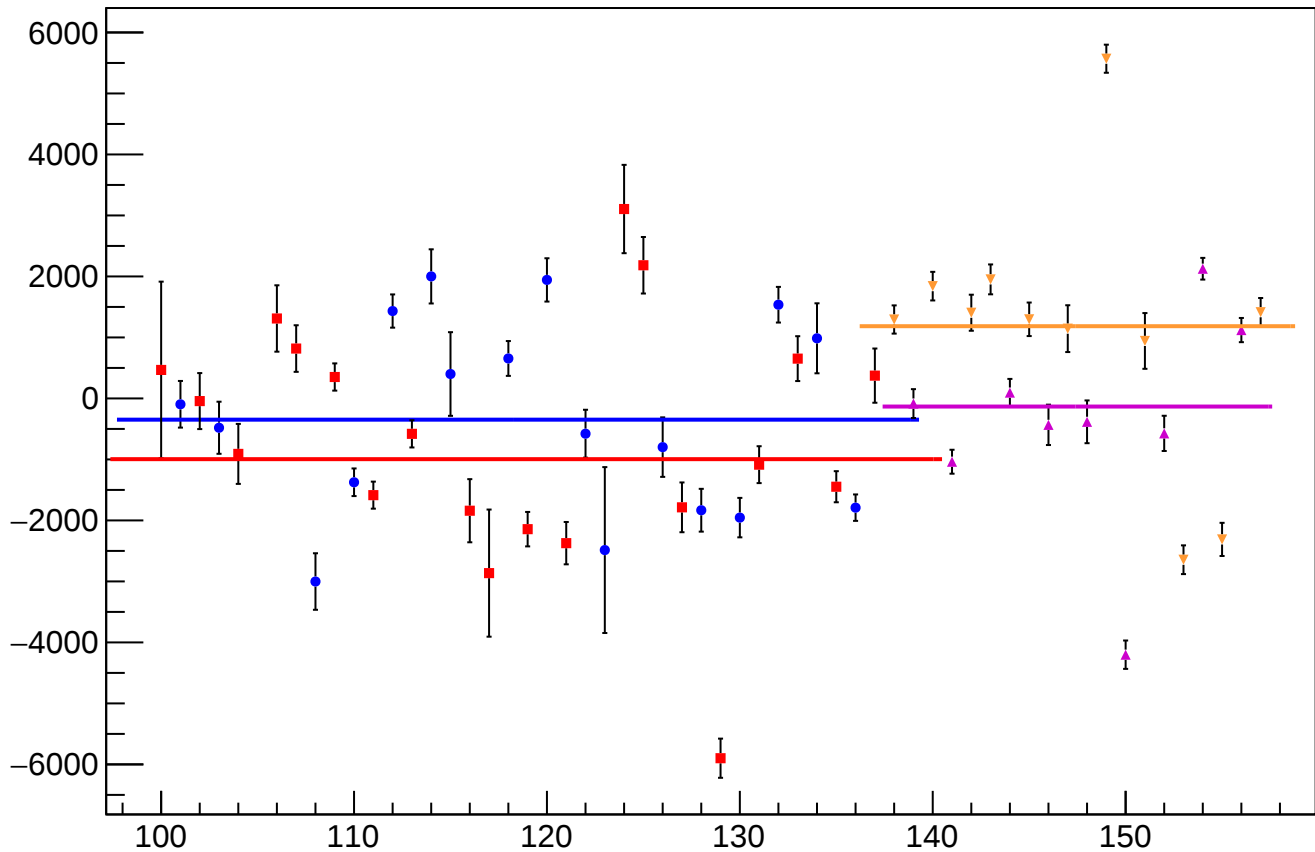
Left In: 140.915+/-0.039 χ^2/NDF : 838853.2/8

122.833+/-0.024 χ^2/NDF : 2116649.0/27

122.393+/-0.017 χ^2/NDF : 4627027.8/56

121.937+/-0.024 χ^2/NDF : 2509684.6/28

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -348.055+/-83.826 χ^2/NDF : 317.3/16

Left Out: 1184.176+/-79.391 χ^2/NDF : 811.8/10

Right Out: -995.622+/-77.468 χ^2/NDF : 479.8/19

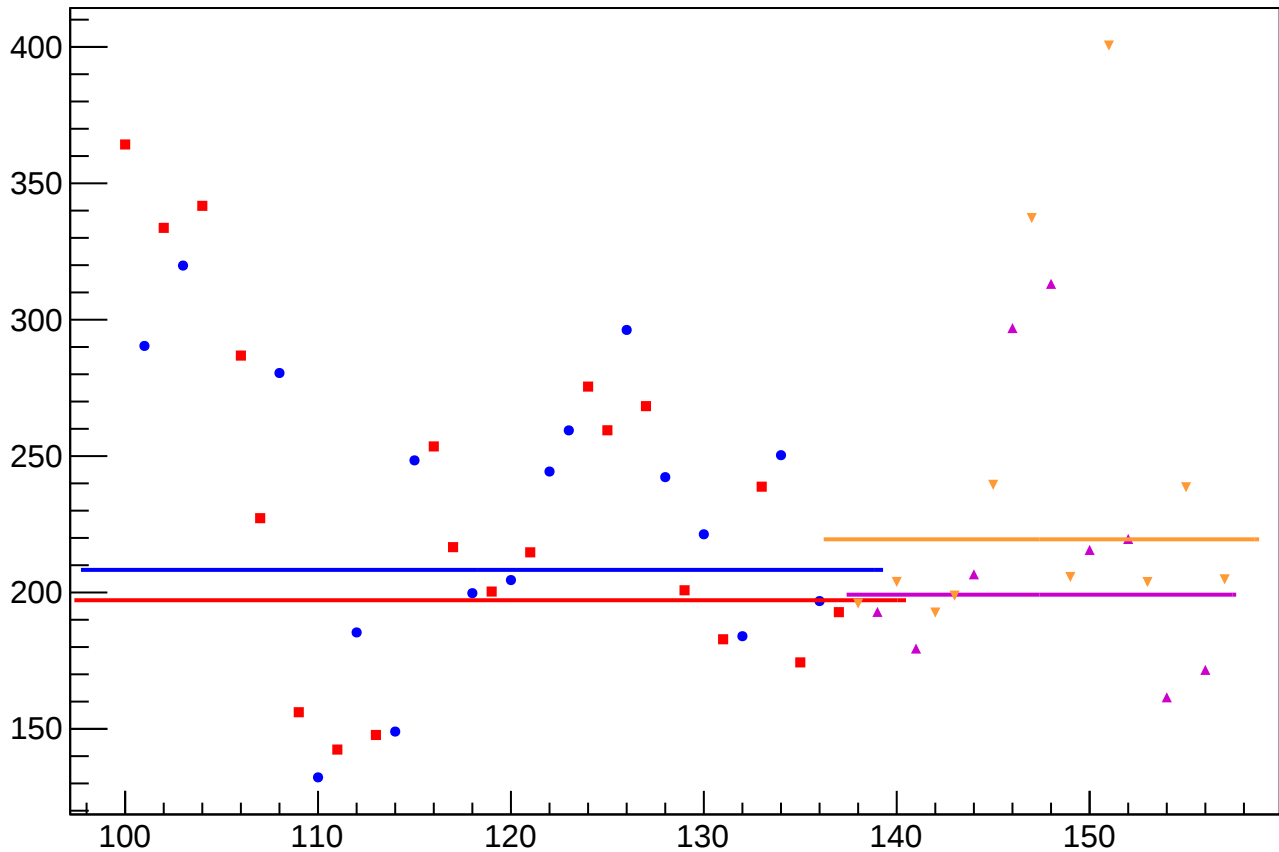
Left In: -133.012+/-77.035 χ^2/NDF : 533.3/8

459.668+/-57.642 χ^2/NDF : 1305.2/27

-78.555+/-39.649 χ^2/NDF : 2546.1/56

-561.899+/-54.625 χ^2/NDF : 1075.4/28

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.288 ± 0.059 $\chi^2/\text{NDF}: 698491.0/16$

Left Out: 219.492 ± 0.056 $\chi^2/\text{NDF}: 606845.5/10$

Right Out: 197.159 ± 0.055 $\chi^2/\text{NDF}: 927487.8/19$

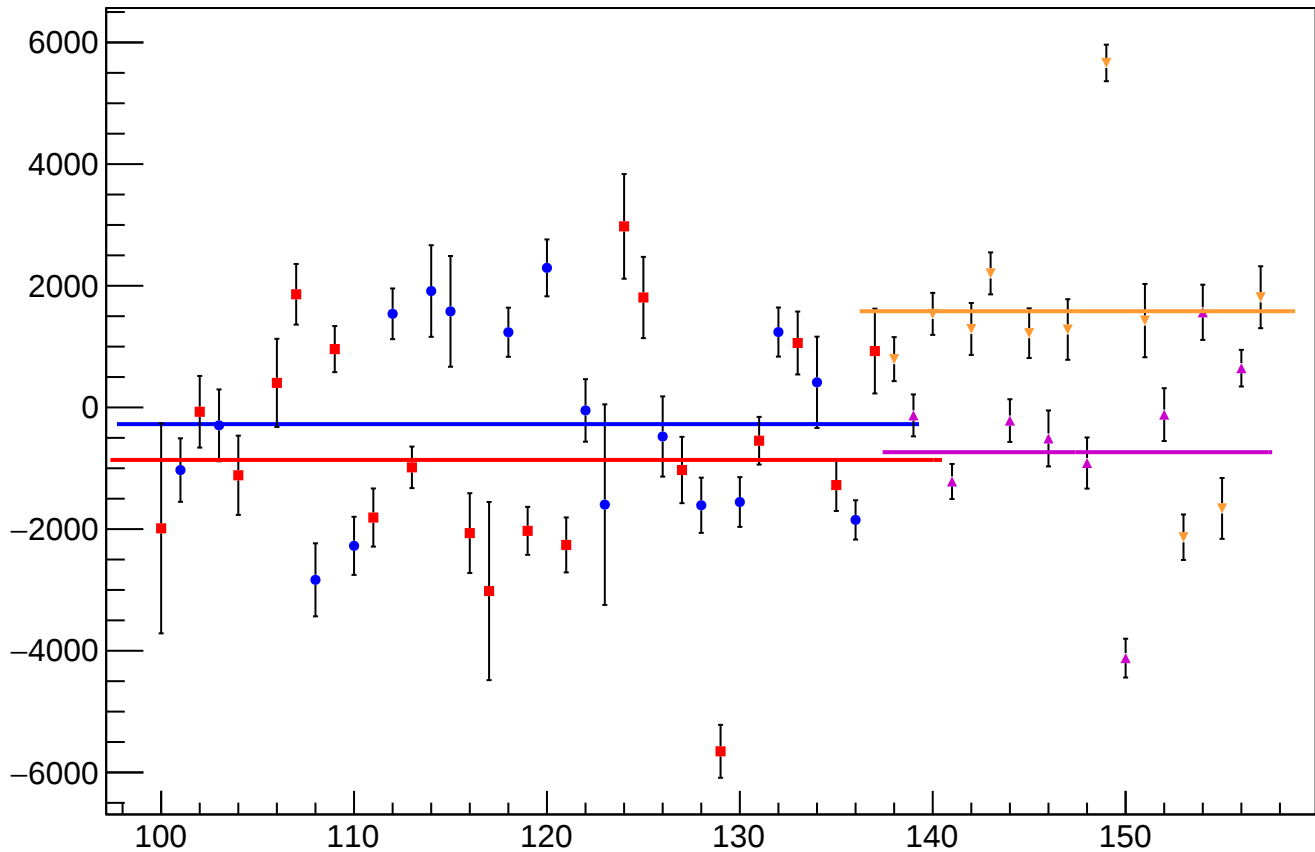
Left In: 199.200 ± 0.054 $\chi^2/\text{NDF}: 557865.2/8$

214.194 ± 0.041 $\chi^2/\text{NDF}: 1324174.3/27$

205.760 ± 0.028 $\chi^2/\text{NDF}: 2891501.5/56$

198.185 ± 0.039 $\chi^2/\text{NDF}: 1486051.0/28$

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -274.260 ± 121.326 $\chi^2/\text{NDF}: 171.6/16$

Left Out: 1581.867 ± 120.552 $\chi^2/\text{NDF}: 335.1/10$

Right Out: -862.791 ± 114.993 $\chi^2/\text{NDF}: 265.4/19$

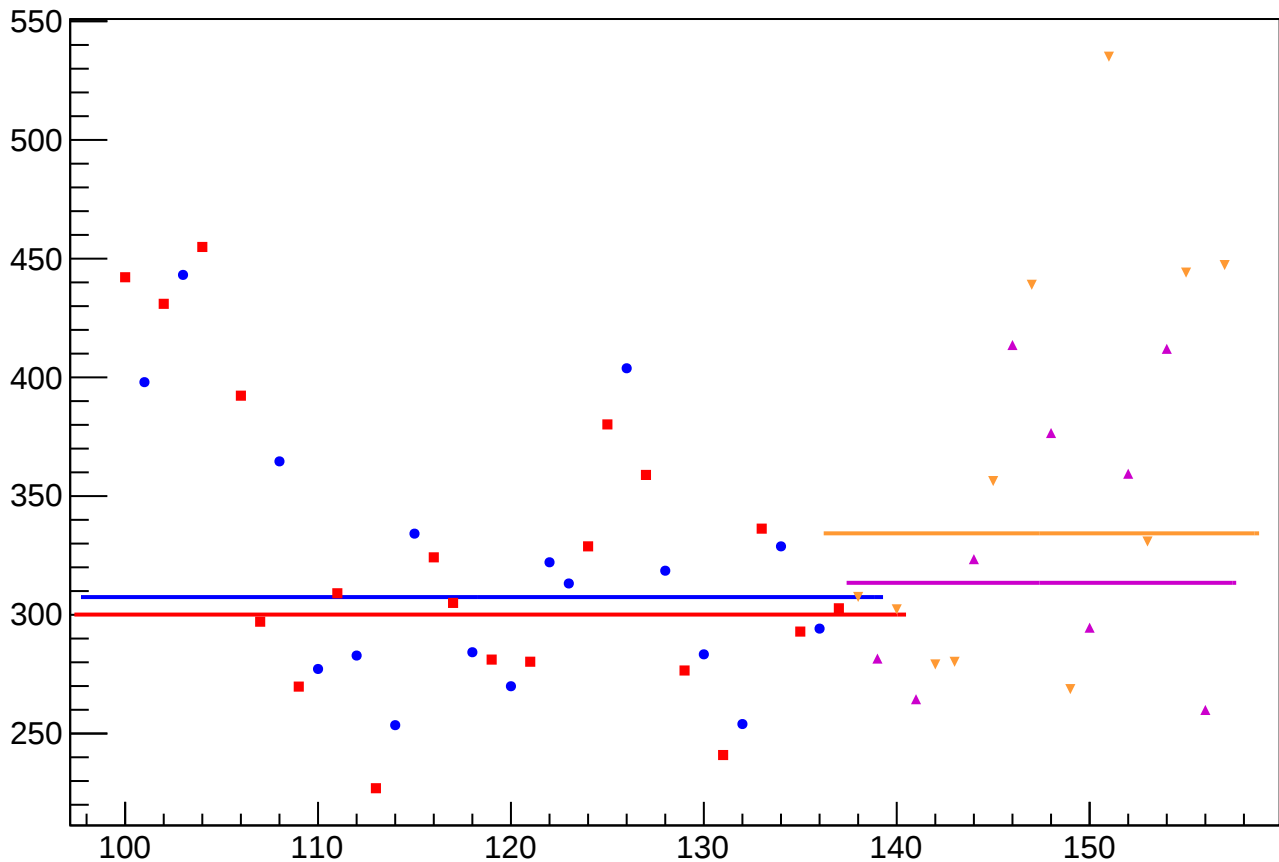
Left In: -735.515 ± 119.537 $\chi^2/\text{NDF}: 169.8/8$

659.743 ± 85.515 $\chi^2/\text{NDF}: 624.4/27$

-93.872 ± 59.512 $\chi^2/\text{NDF}: 1210.9/56$

-801.618 ± 82.872 $\chi^2/\text{NDF}: 435.8/28$

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 307.468+/-0.086 χ^2/NDF : 323096.7/16

Left Out: 334.309+/-0.085 χ^2/NDF : 717602.1/10

Right Out: 300.100+/-0.081 χ^2/NDF : 490421.6/19

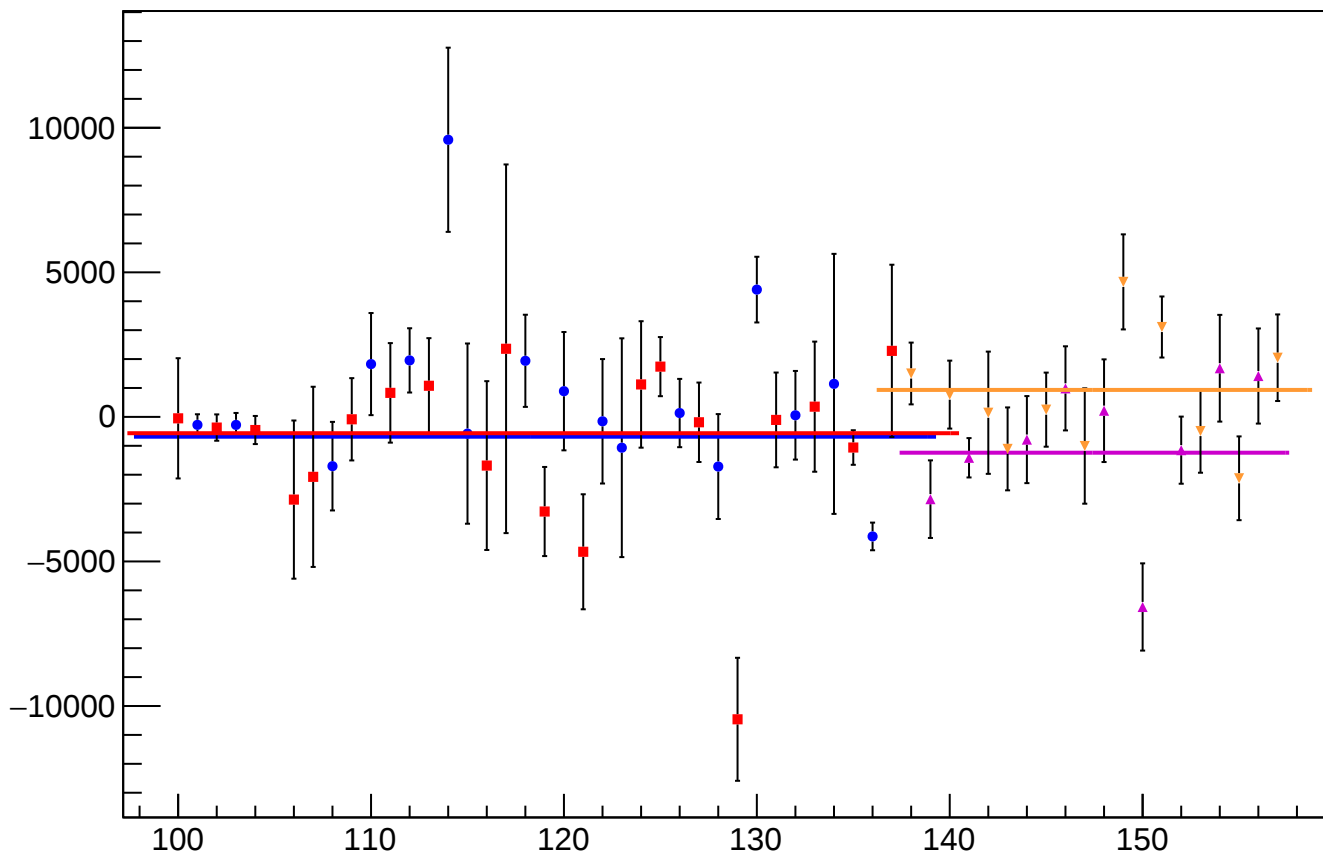
Left In: 313.474+/-0.085 χ^2/NDF : 403454.8/8

320.974+/-0.060 χ^2/NDF : 1089956.1/27

313.524+/-0.042 χ^2/NDF : 2026269.7/56

306.528+/-0.059 χ^2/NDF : 906877.9/28

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -685.056+/-210.341 χ^2/NDF : 97.4/16

Left Out: 932.855+/-413.800 χ^2/NDF : 19.1/10

Right Out: -564.400+/-243.074 χ^2/NDF : 39.9/19

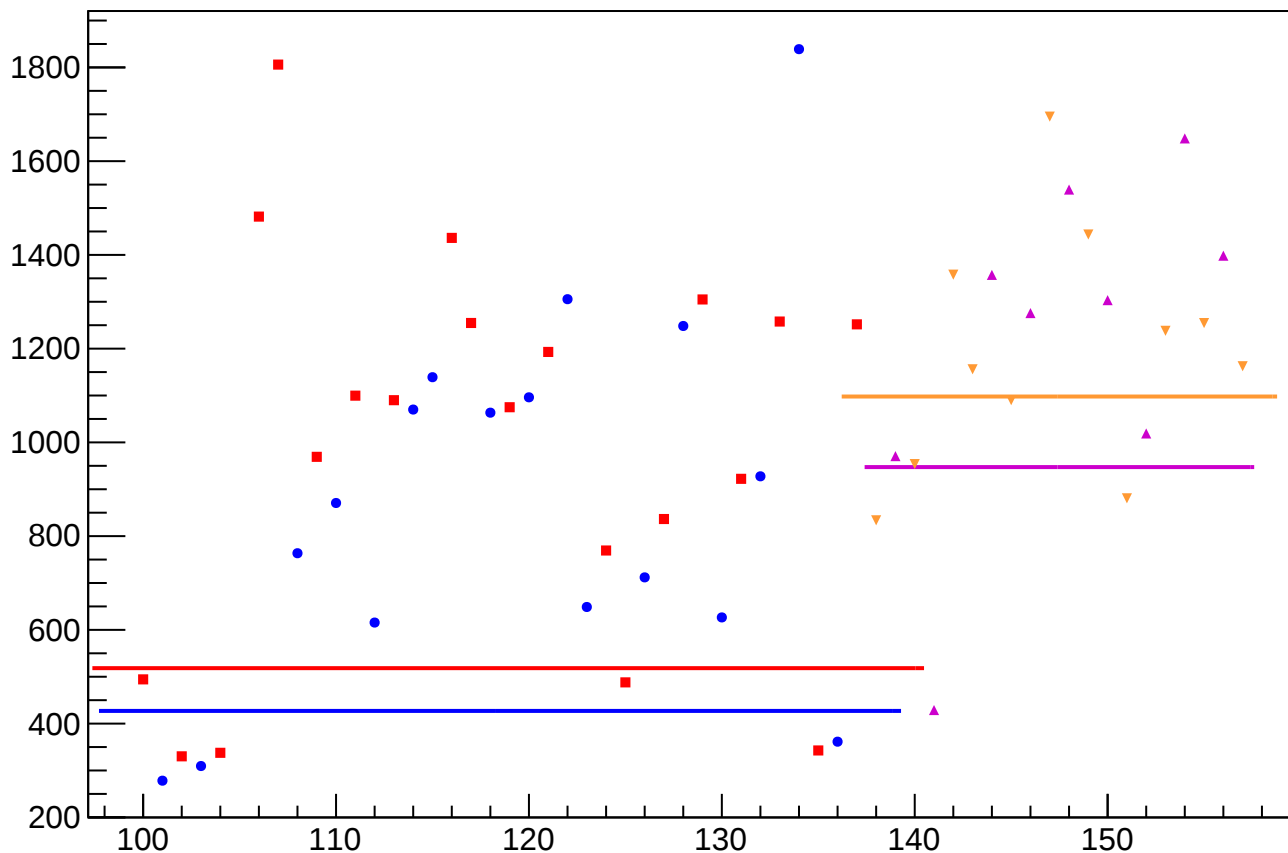
Left In: -1238.771+/-415.601 χ^2/NDF : 22.2/8

-352.851+/-187.507 χ^2/NDF : 128.6/27

-523.102+/-139.813 χ^2/NDF : 194.6/56

-736.288+/-209.822 χ^2/NDF : 64.1/28

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 1097.849+/-0.293 χ^2/NDF : 584103.1/10

Right Out: 518.306+/-0.172 χ^2/NDF : 3631833.9/19

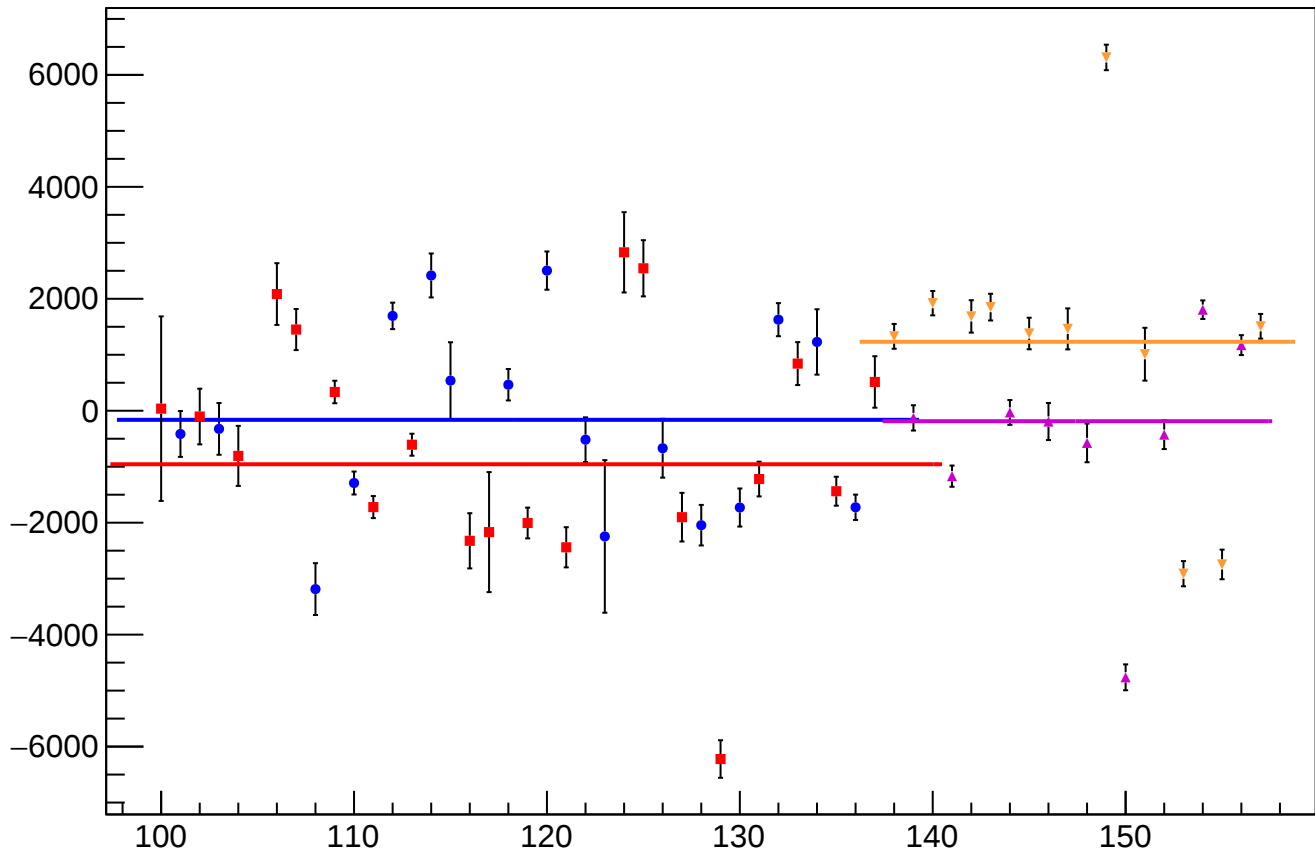
Left In: 947.308+/-0.294 χ^2/NDF : 2191713.8/8

564.808+/-0.133 χ^2/NDF : 7625987.7/27

592.712+/-0.099 χ^2/NDF : 15137163.0/56

627.653+/-0.148 χ^2/NDF : 7411420.8/28

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -162.333 ± 82.350 $\chi^2/\text{NDF}: 387.6/16$

Left Out: 1231.903 ± 76.877 $\chi^2/\text{NDF}: 1083.9/10$

Right Out: -956.044 ± 74.949 $\chi^2/\text{NDF}: 541.1/19$

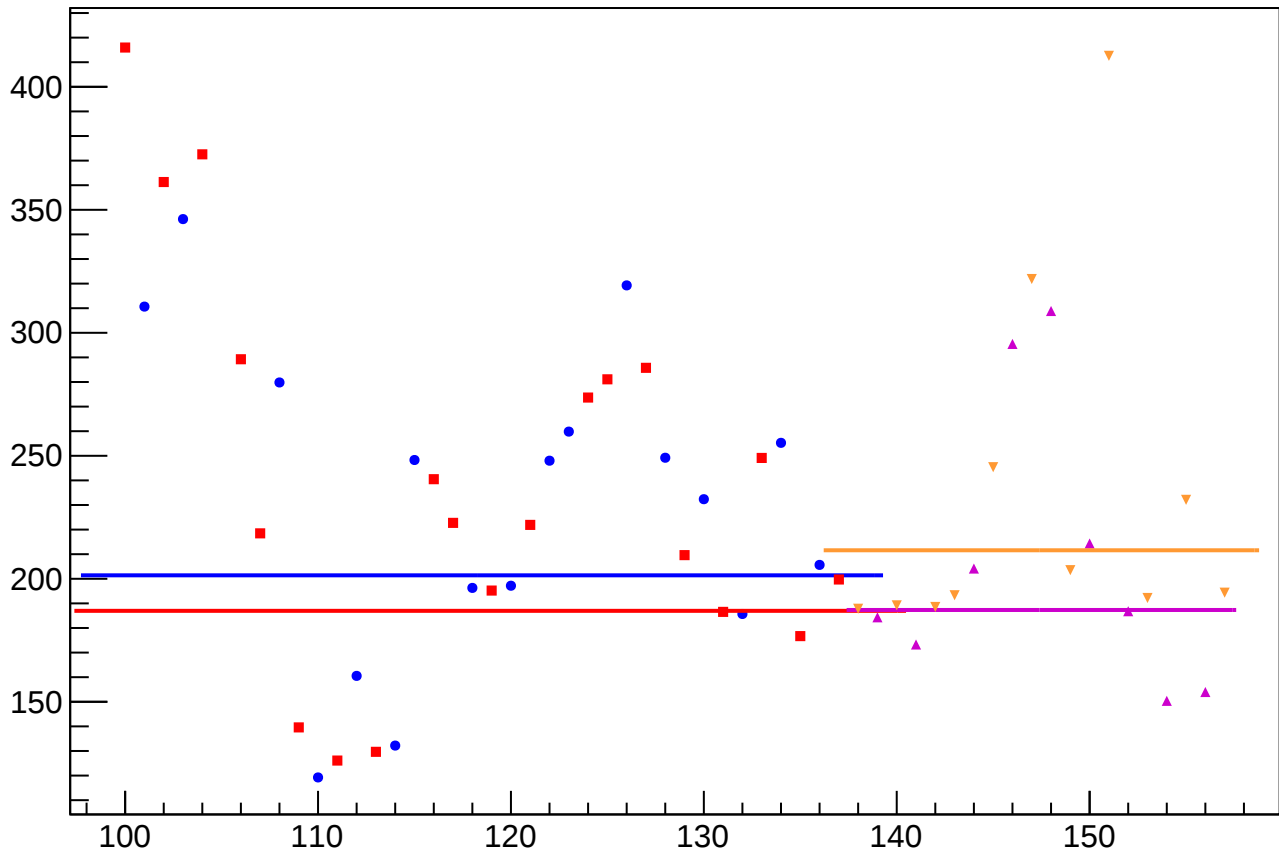
Left In: -187.111 ± 73.136 $\chi^2/\text{NDF}: 623.2/8$

582.656 ± 56.195 $\chi^2/\text{NDF}: 1624.6/27$

-30.323 ± 38.302 $\chi^2/\text{NDF}: 3065.0/56$

-562.161 ± 52.344 $\chi^2/\text{NDF}: 1218.2/28$

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 201.409+/-0.058 χ^2/NDF : 1056022.1/16

Left Out: 211.590+/-0.054 χ^2/NDF : 682837.3/10

Right Out: 186.973+/-0.053 χ^2/NDF : 1395397.8/19

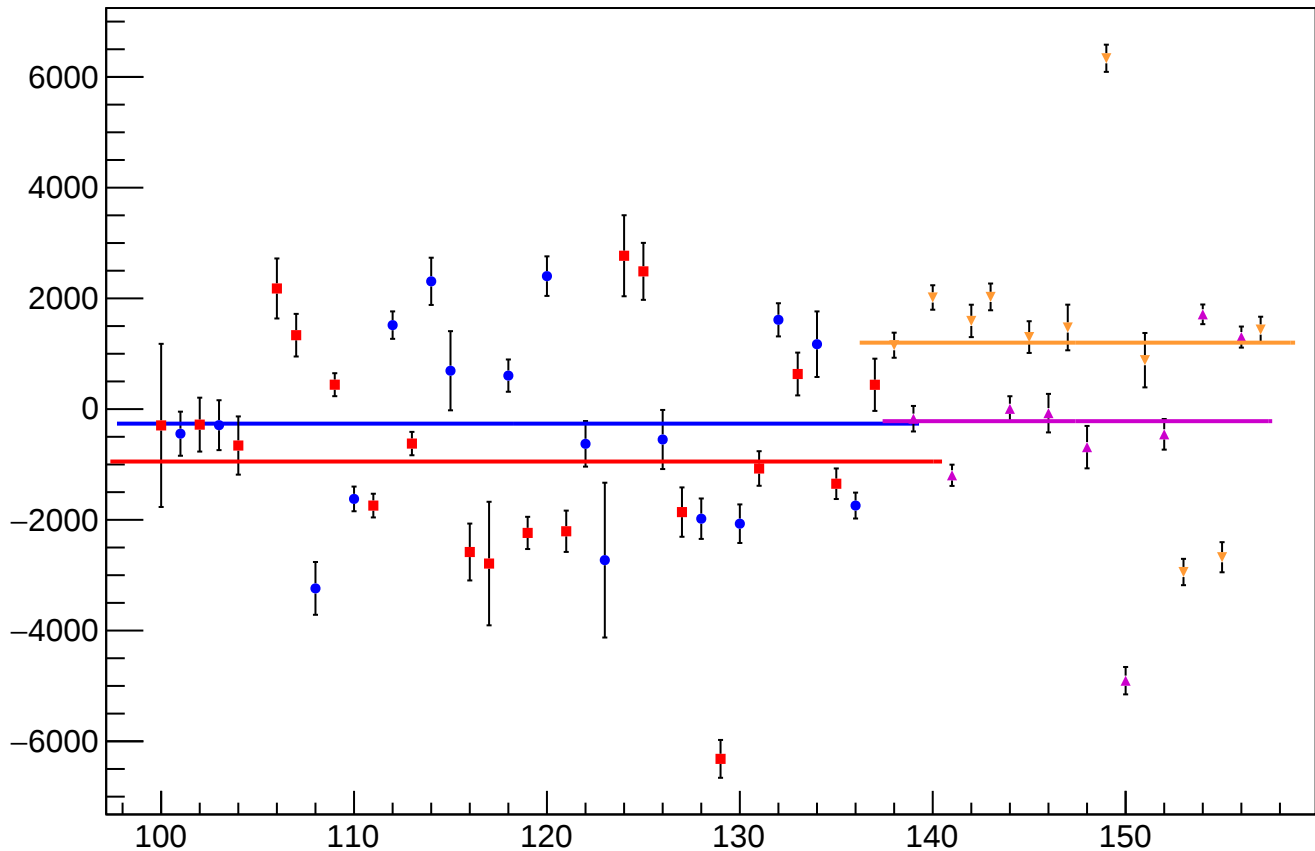
Left In: 187.321+/-0.052 χ^2/NDF : 680625.3/8

206.849+/-0.040 χ^2/NDF : 1755193.7/27

196.302+/-0.027 χ^2/NDF : 3962814.7/56

187.151+/-0.037 χ^2/NDF : 2076045.2/28

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -262.324 ± 85.433 χ^2/NDF : 368.7/16

Left Out: 1200.425 ± 79.738 χ^2/NDF : 973.0/10

Right Out: -946.785 ± 78.241 χ^2/NDF : 524.6/19

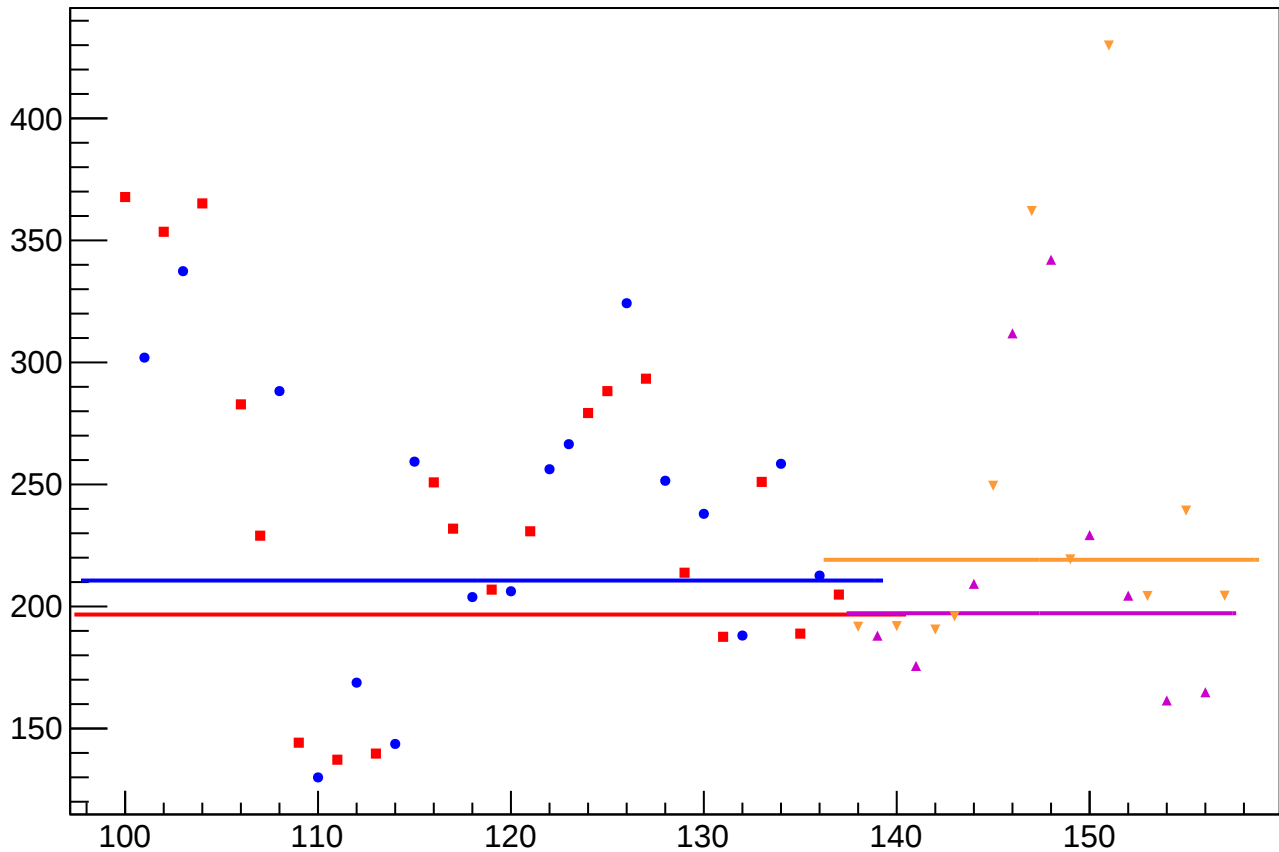
Left In: -217.681 ± 76.918 χ^2/NDF : 569.9/8

519.430 ± 58.293 χ^2/NDF : 1498.4/27

-61.585 ± 39.947 χ^2/NDF : 2824.4/56

-576.016 ± 54.851 χ^2/NDF : 1138.7/28

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 210.636+/-0.060 χ^2/NDF : 875776.4/16

Left Out: 219.143+/-0.056 χ^2/NDF : 754580.9/10

Right Out: 196.702+/-0.055 χ^2/NDF : 1207089.6/19

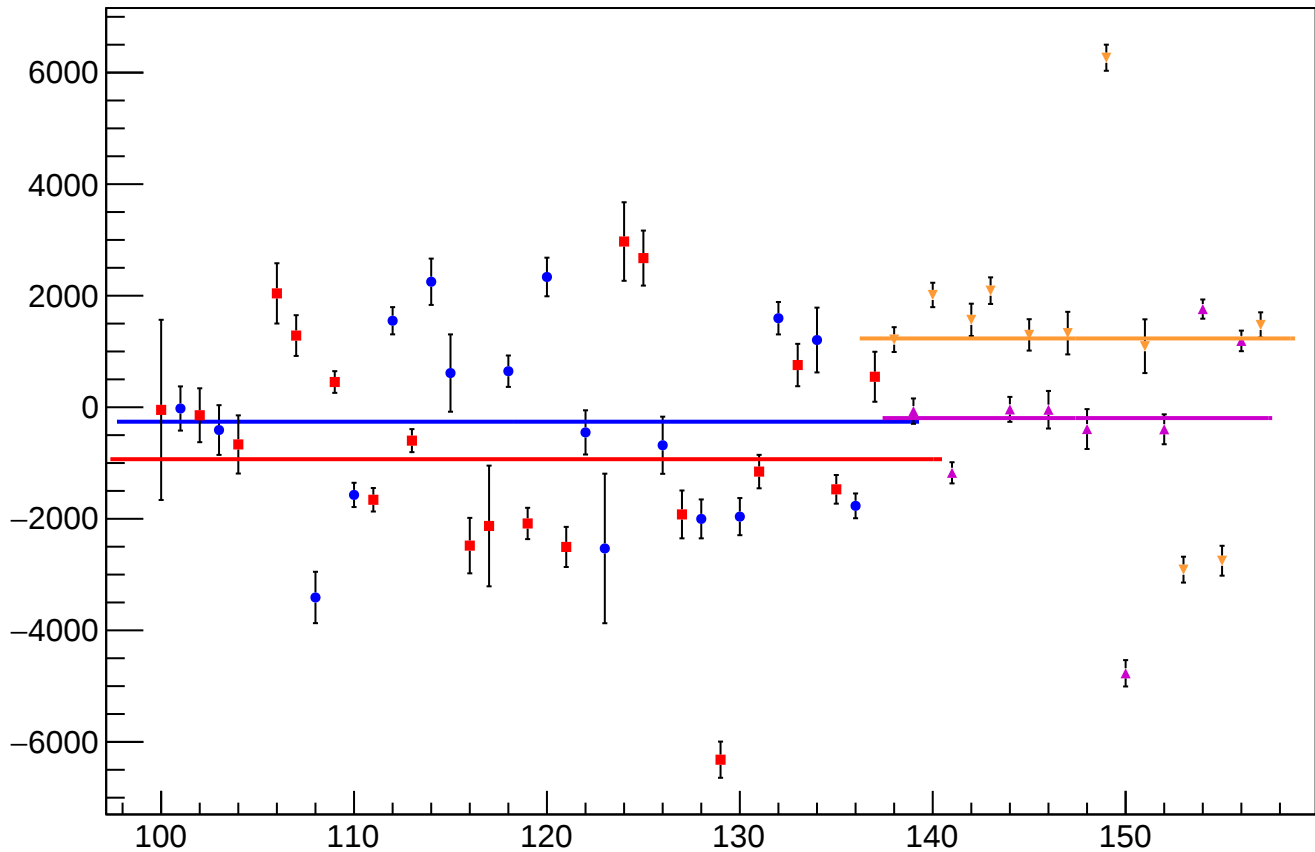
Left In: 197.236+/-0.054 χ^2/NDF : 710750.4/8

215.183+/-0.041 χ^2/NDF : 1640956.7/27

205.525+/-0.028 χ^2/NDF : 3662352.9/56

196.973+/-0.039 χ^2/NDF : 1917887.3/28

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -259.139 $\pm$ 82.802 χ^2/NDF : 391.2/16

Left Out: 1233.514 $\pm$ 77.914 χ^2/NDF : 1031.4/10

Right Out: -931.363 $\pm$ 75.320 χ^2/NDF : 583.1/19

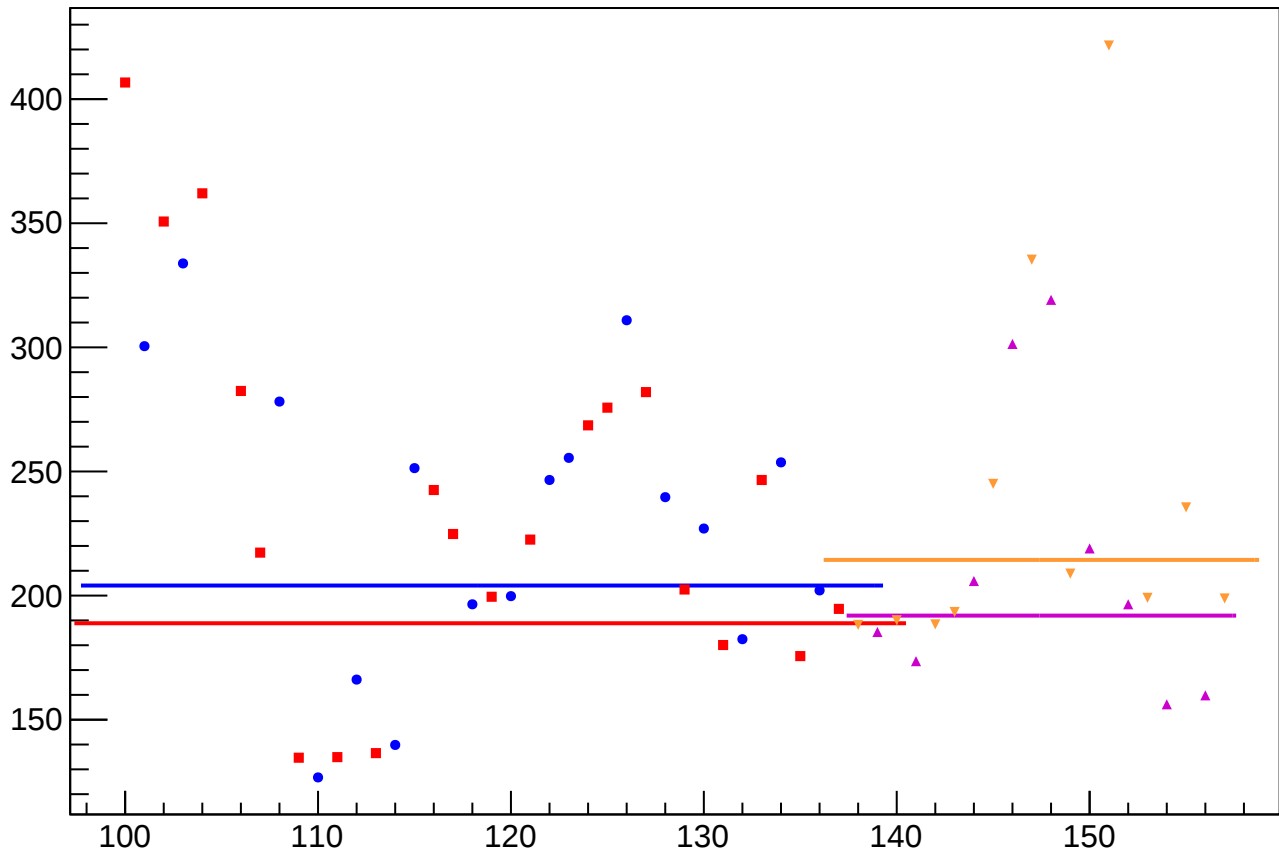
Left In: -194.036 $\pm$ 74.810 χ^2/NDF : 588.3/8

532.541 $\pm$ 56.743 χ^2/NDF : 1594.9/27

-50.251 $\pm$ 38.763 χ^2/NDF : 3012.4/56

-560.192 $\pm$ 53.078 χ^2/NDF : 1219.7/28

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 204.051 +/- 0.059 χ^2/NDF : 868423.0/16

Left Out: 214.374 +/- 0.055 χ^2/NDF : 709665.5/10

Right Out: 188.856 +/- 0.053 χ^2/NDF : 1253327.1/19

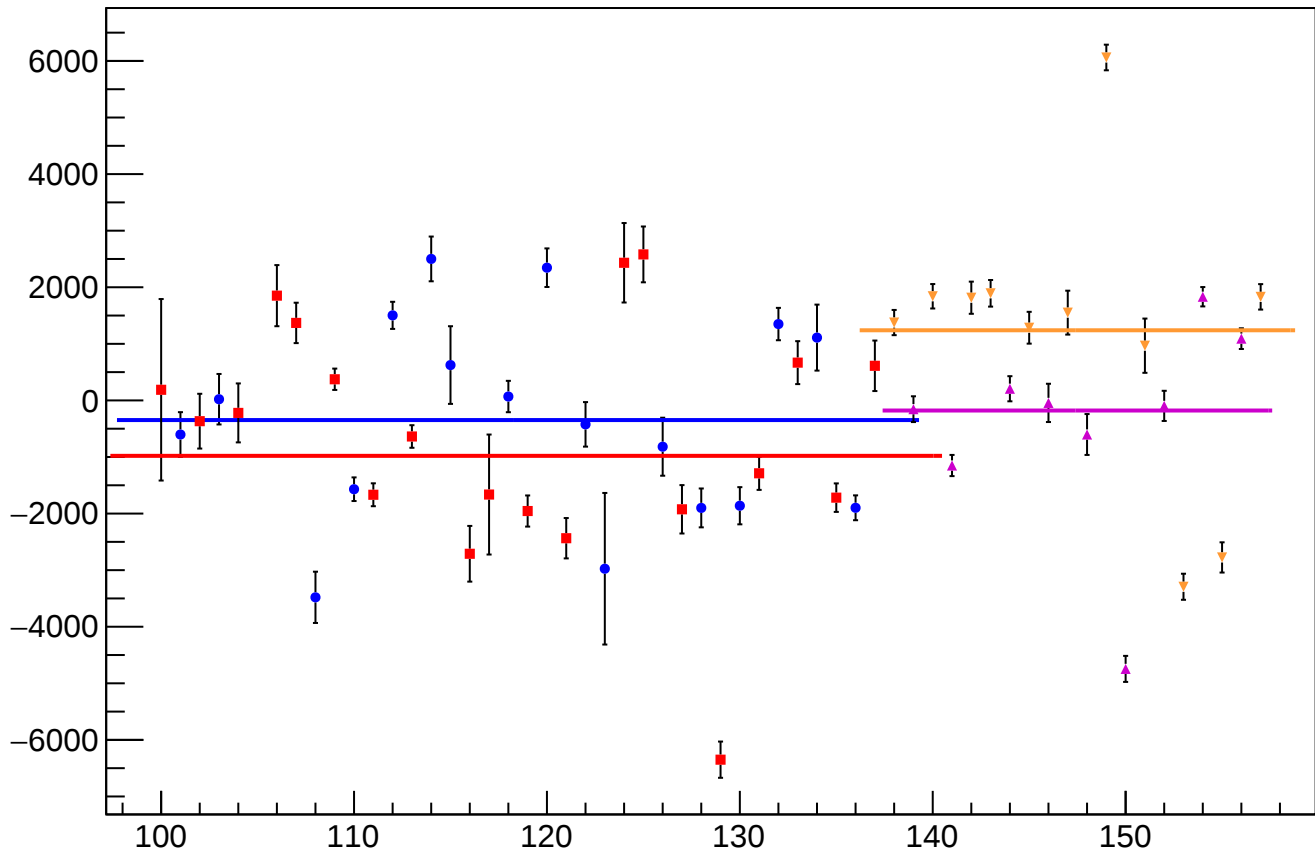
Left In: 191.937 +/- 0.053 χ^2/NDF : 666195.8/8

209.526 +/- 0.040 χ^2/NDF : 1594575.3/27

199.329 +/- 0.027 χ^2/NDF : 3636887.7/56

190.407 +/- 0.038 χ^2/NDF : 1921207.8/28

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.240 ± 81.318 $\chi^2/\text{NDF}: 399.1/16$

Left Out: 1239.622 ± 77.206 $\chi^2/\text{NDF}: 1094.1/10$

Right Out: -979.606 ± 73.710 $\chi^2/\text{NDF}: 586.1/19$

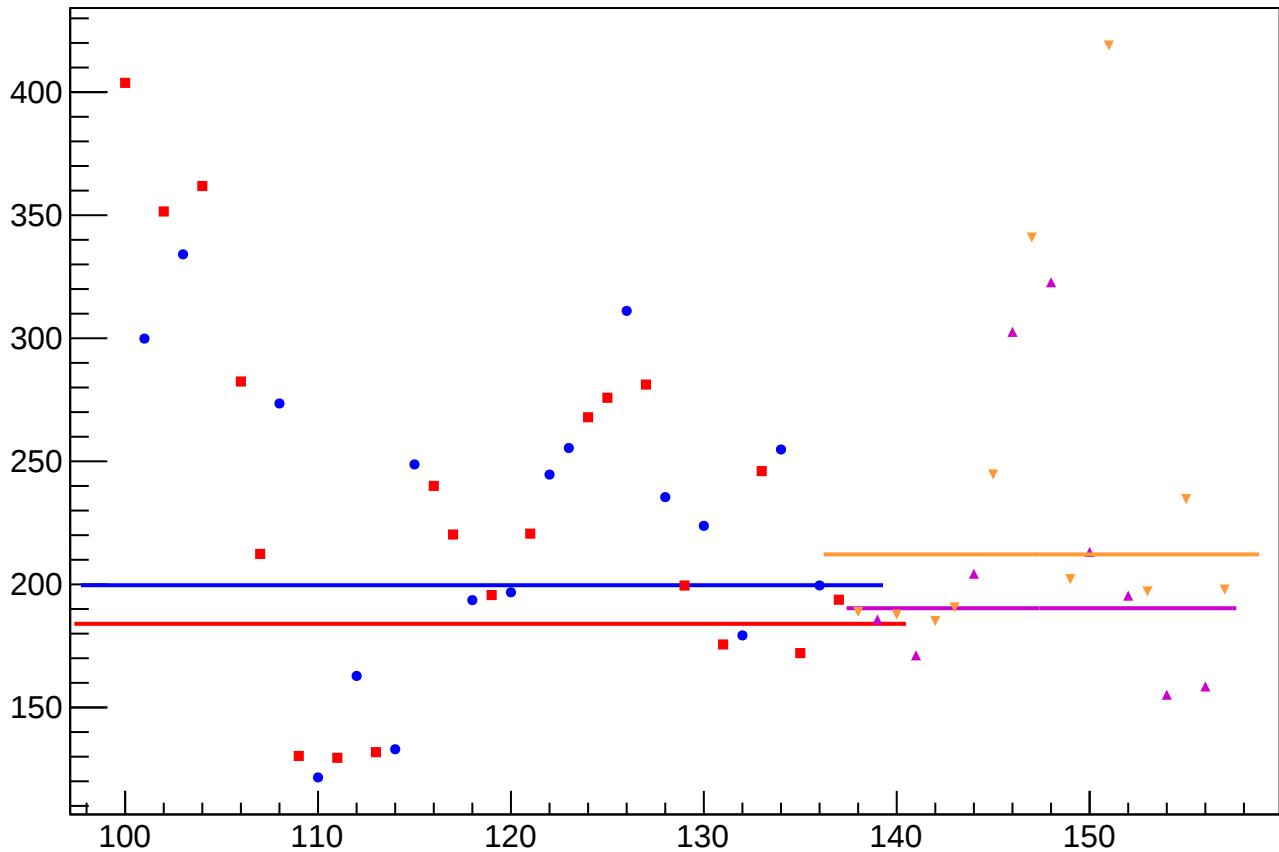
Left In: -178.460 ± 74.233 $\chi^2/\text{NDF}: 611.9/8$

487.324 ± 55.990 $\chi^2/\text{NDF}: 1693.4/27$

-83.611 ± 38.222 $\chi^2/\text{NDF}: 3144.7/56$

-581.864 ± 52.305 $\chi^2/\text{NDF}: 1256.6/28$

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 199.669 +/- 0.058 χ^2/NDF : 943155.1/16

Left Out: 212.186 +/- 0.055 χ^2/NDF : 736172.4/10

Right Out: 183.984 +/- 0.052 χ^2/NDF : 1351978.1/19

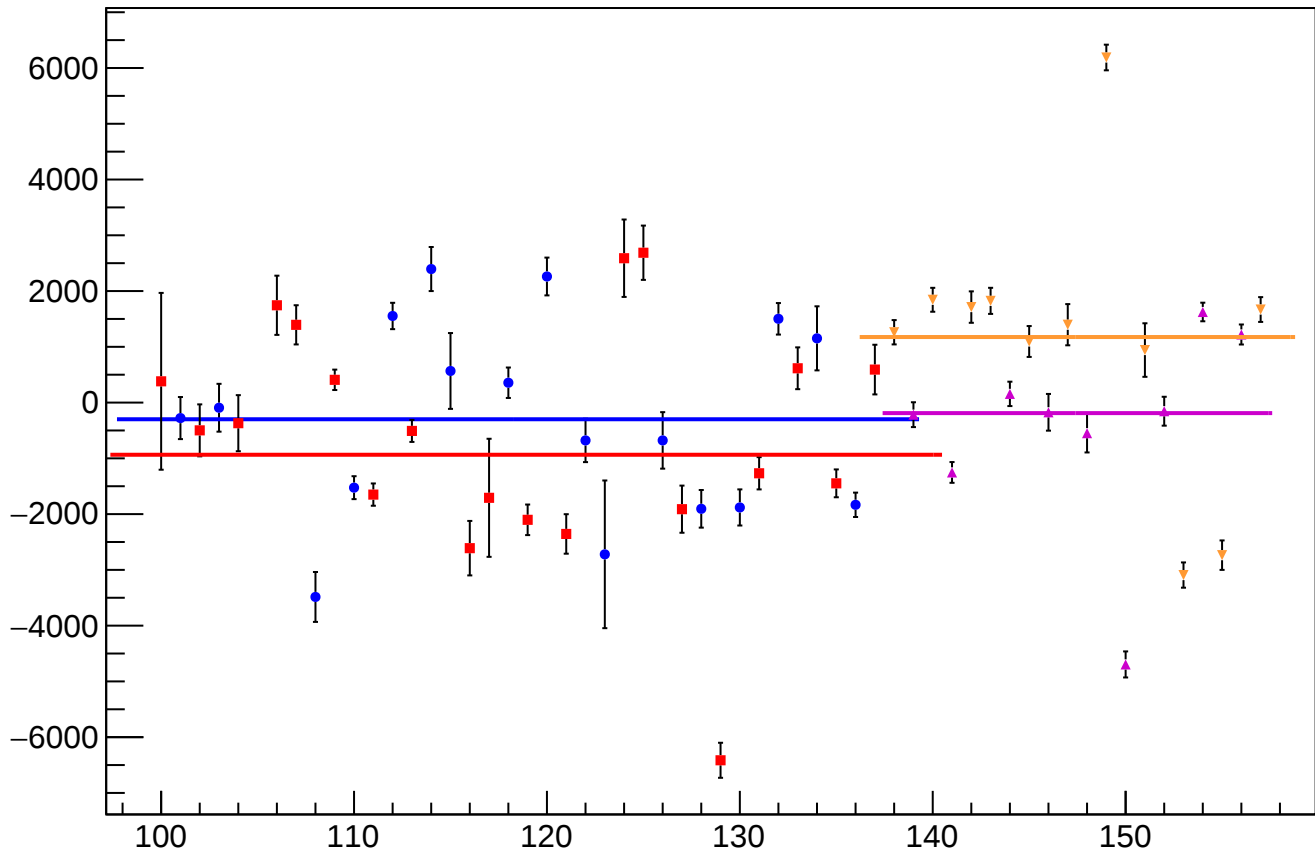
Left In: 190.317 +/- 0.052 χ^2/NDF : 683989.3/8

206.252 +/- 0.040 χ^2/NDF : 1704249.2/27

196.040 +/- 0.027 χ^2/NDF : 3872134.9/56

187.128 +/- 0.037 χ^2/NDF : 2043296.6/28

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 1175.551 ± 76.409 χ^2/NDF : 1076.3/10

Right Out: -935.490 ± 72.580 χ^2/NDF : 615.3/19

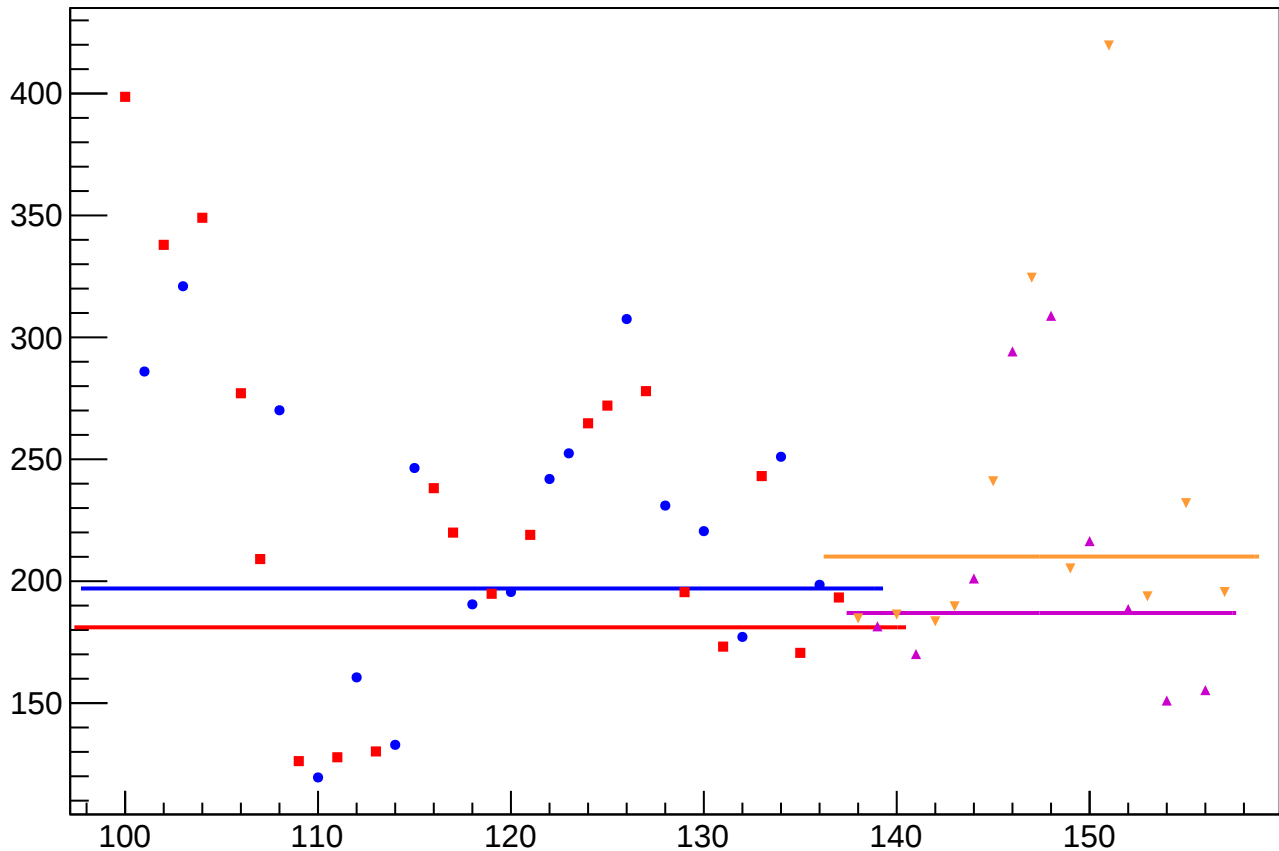
Left In: -188.696 ± 72.970 χ^2/NDF : 588.5/8

473.621 ± 55.308 χ^2/NDF : 1660.1/27

-82.601 ± 37.674 χ^2/NDF : 3105.3/56

-564.098 ± 51.459 χ^2/NDF : 1256.5/28

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 197.013 $\pm$ 0.057 χ^2 /NDF: 911923.5/16

Left Out: 210.111 $\pm$ 0.054 χ^2 /NDF: 715832.7/10

Right Out: 181.089 $\pm$ 0.051 χ^2 /NDF: 1348390.5/19

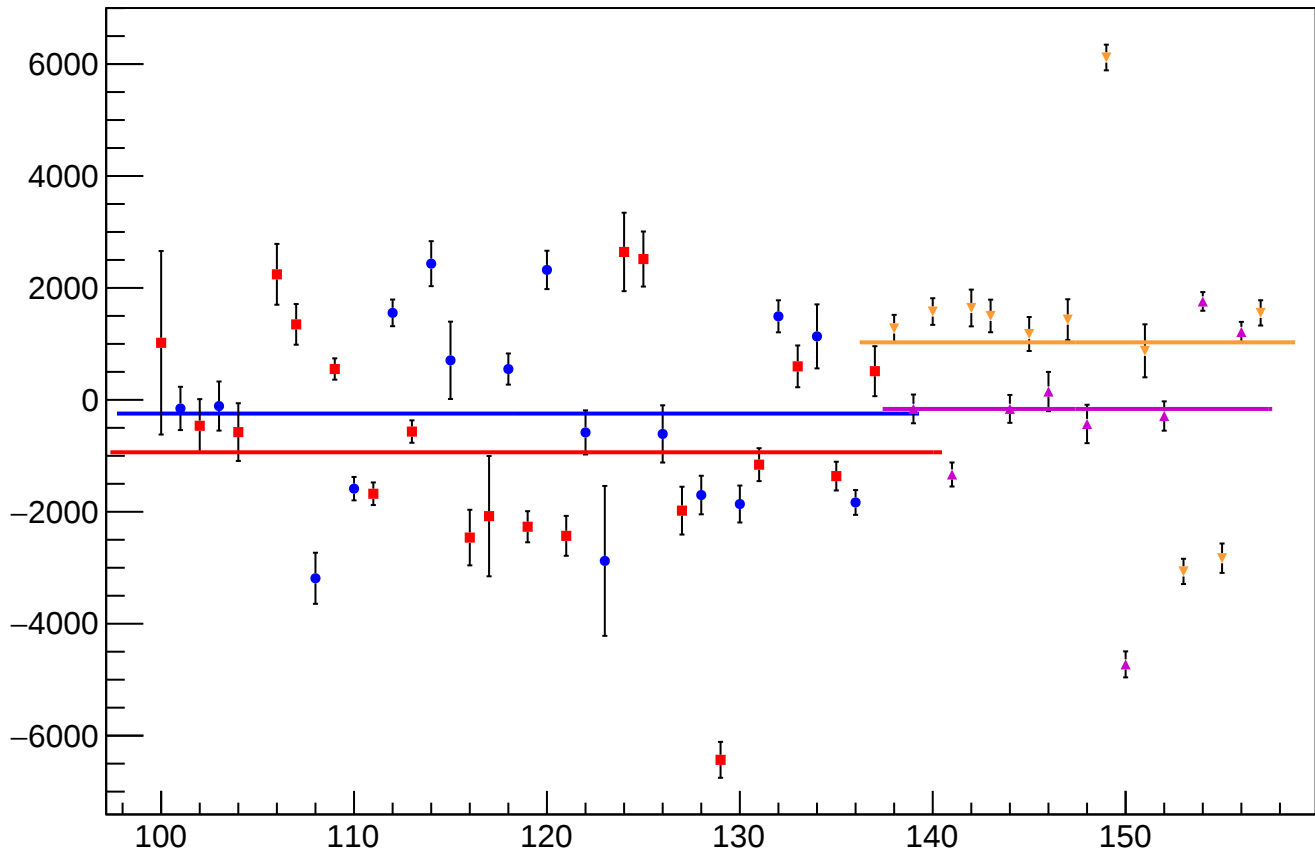
Left In: 186.966 $\pm$ 0.052 χ^2 /NDF: 673659.2/8

203.876 $\pm$ 0.039 χ^2 /NDF: 1655733.8/27

193.229 $\pm$ 0.027 χ^2 /NDF: 3822585.7/56

184.012 $\pm$ 0.036 χ^2 /NDF: 2028570.4/28

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -244.925 ± 81.395 $\chi^2/\text{NDF}: 391.4/16$

Left Out: 1027.667 ± 81.299 $\chi^2/\text{NDF}: 1056.3/10$

Right Out: -936.709 ± 74.030 $\chi^2/\text{NDF}: 610.9/19$

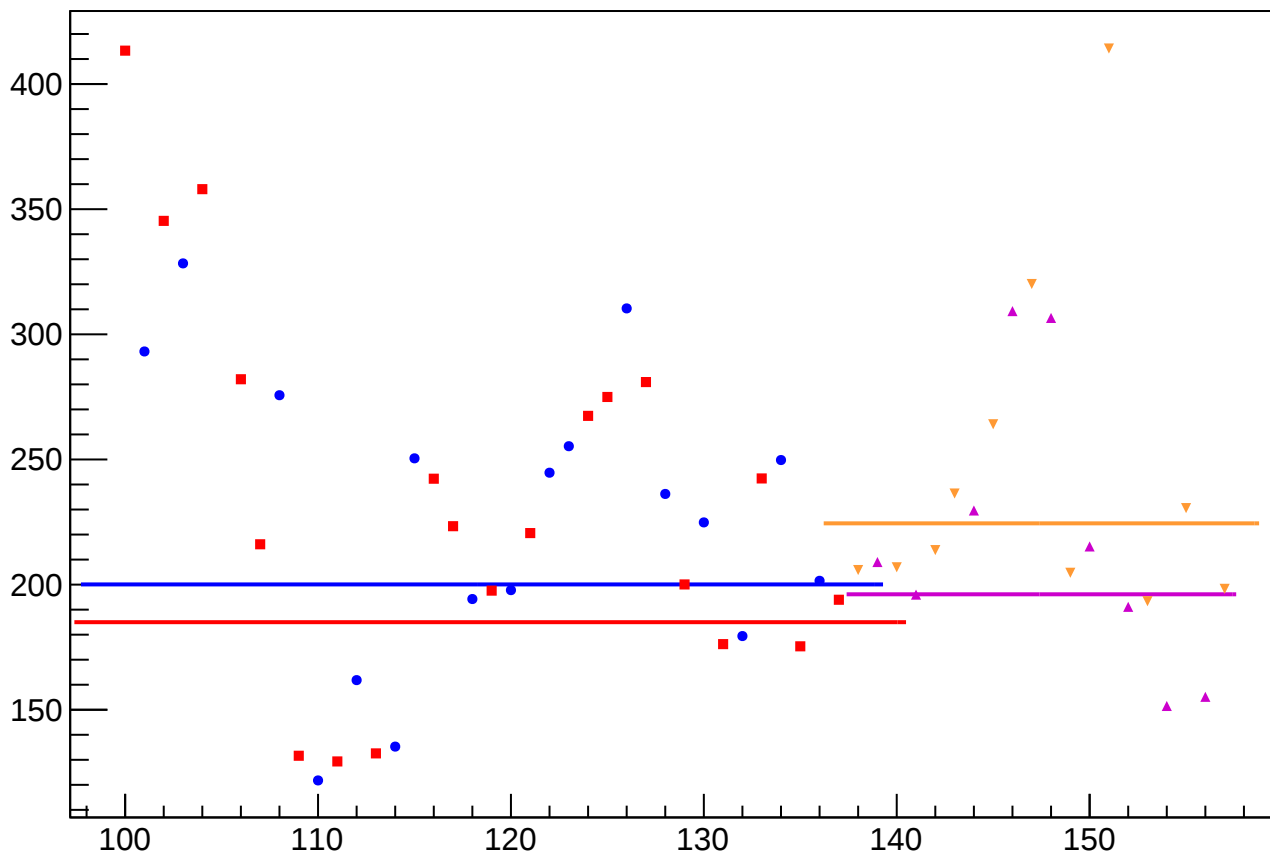
Left In: -162.154 ± 76.779 $\chi^2/\text{NDF}: 608.3/8$

392.119 ± 57.521 $\chi^2/\text{NDF}: 1570.0/27$

-122.132 ± 39.093 $\chi^2/\text{NDF}: 2990.4/56$

-563.546 ± 53.292 $\chi^2/\text{NDF}: 1271.9/28$

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 200.078 ± 0.058 χ^2/NDF : 918309.2/16

Left Out: 224.480 ± 0.057 χ^2/NDF : 601511.3/10

Right Out: 184.990 ± 0.052 χ^2/NDF : 1320825.4/19

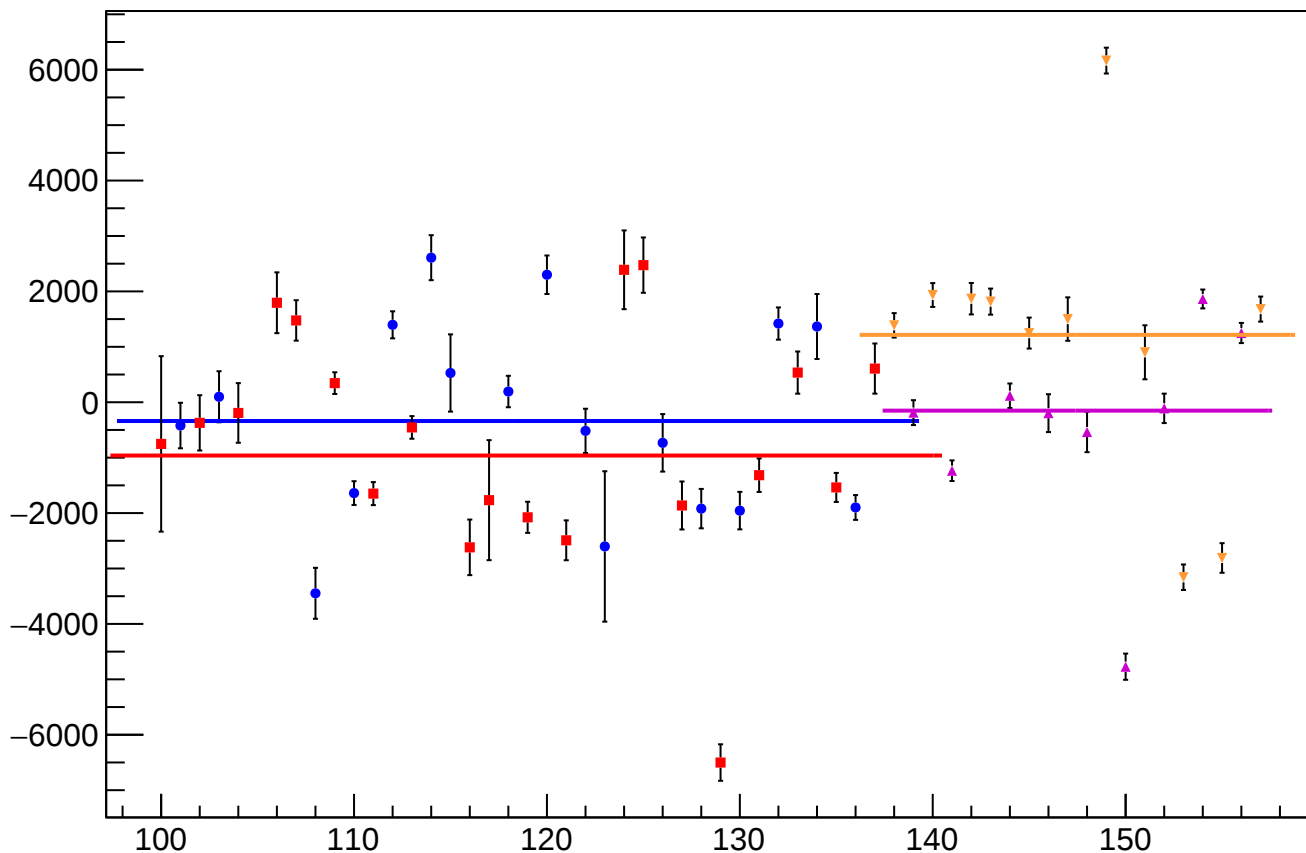
Left In: 196.133 ± 0.054 χ^2/NDF : 717560.8/8

212.294 ± 0.041 χ^2/NDF : 1609804.5/27

200.490 ± 0.028 χ^2/NDF : 3826524.1/56

190.359 ± 0.038 χ^2/NDF : 2060217.9/28

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -338.966±/83.123 χ^2/NDF : 389.5/16

Left Out: 1215.538±/77.353 χ^2/NDF :1067.4/10

Right Out: -961.556±/75.564 χ^2/NDF : 570.9/19

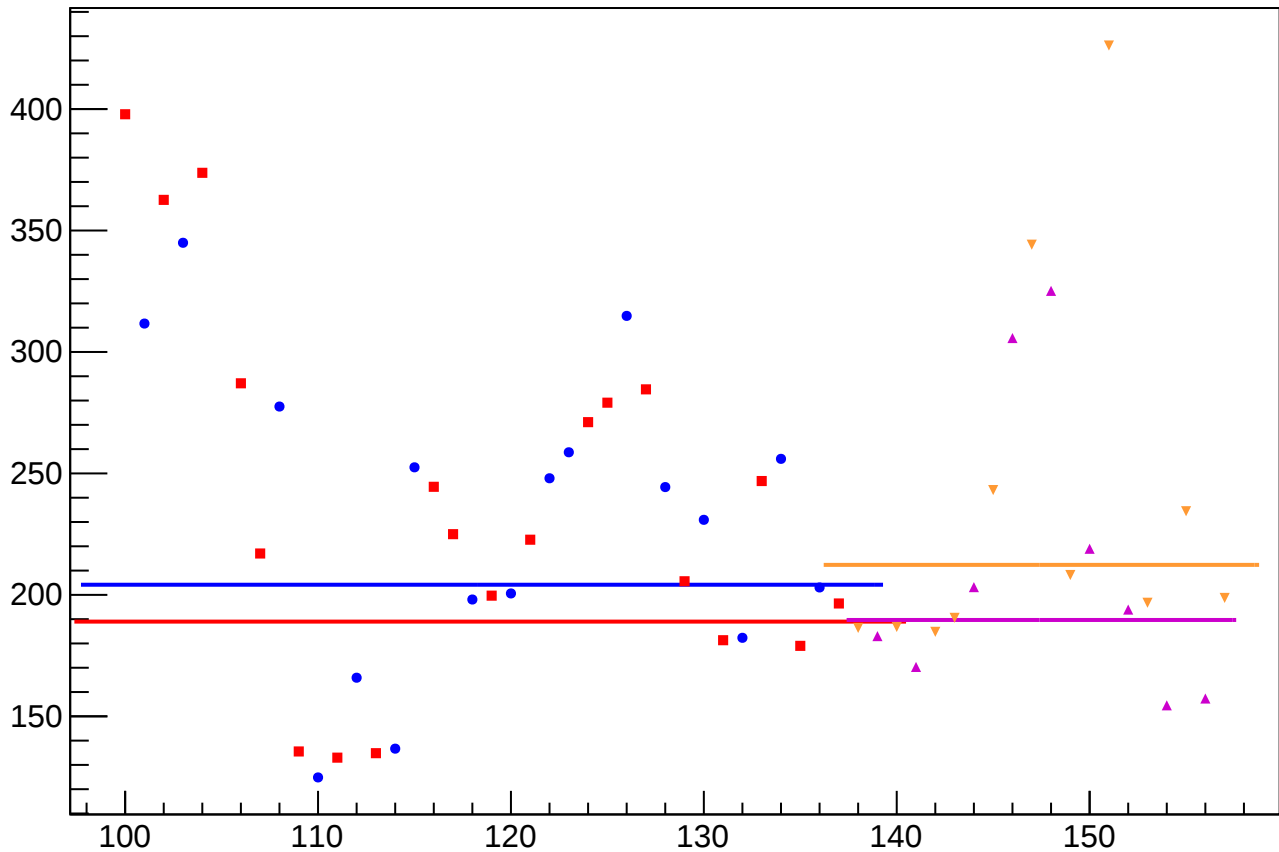
Left In: -151.505±/74.116 χ^2/NDF :618.0/8

494.106±/56.627 χ^2/NDF : 1644.3/27

-62.613±/38.661 χ^2/NDF : 3072.7/56

-548.697±/52.913 χ^2/NDF : 1247.4/28

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 204.175 $\pm$ 0.059 χ^2 /NDF: 947438.5/16

Left Out: 212.350 $\pm$ 0.055 χ^2 /NDF: 758557.2/10

Right Out: 188.997 $\pm$ 0.053 χ^2 /NDF: 1317112.1/19

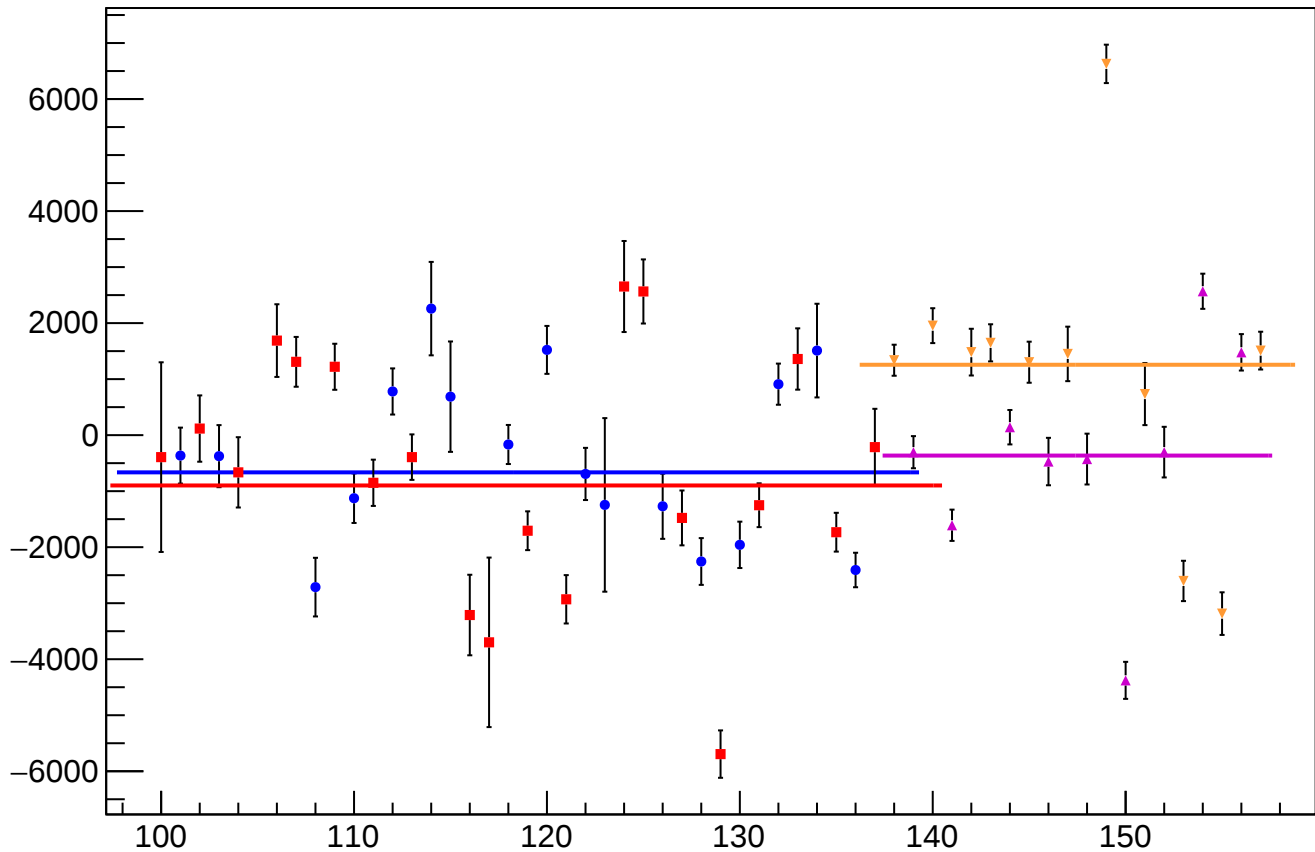
Left In: 189.668 $\pm$ 0.052 χ^2 /NDF: 717867.2/8

208.556 $\pm$ 0.040 χ^2 /NDF: 1716363.8/27

198.297 $\pm$ 0.027 χ^2 /NDF: 3874396.0/56

189.339 $\pm$ 0.037 χ^2 /NDF: 2035059.6/28

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -664.383 ± 113.949 χ^2/NDF : 154.3/16

Left Out: 1256.495 ± 108.448 χ^2/NDF : 505.1/10

Right Out: -898.290 ± 110.578 χ^2/NDF : 323.5/19

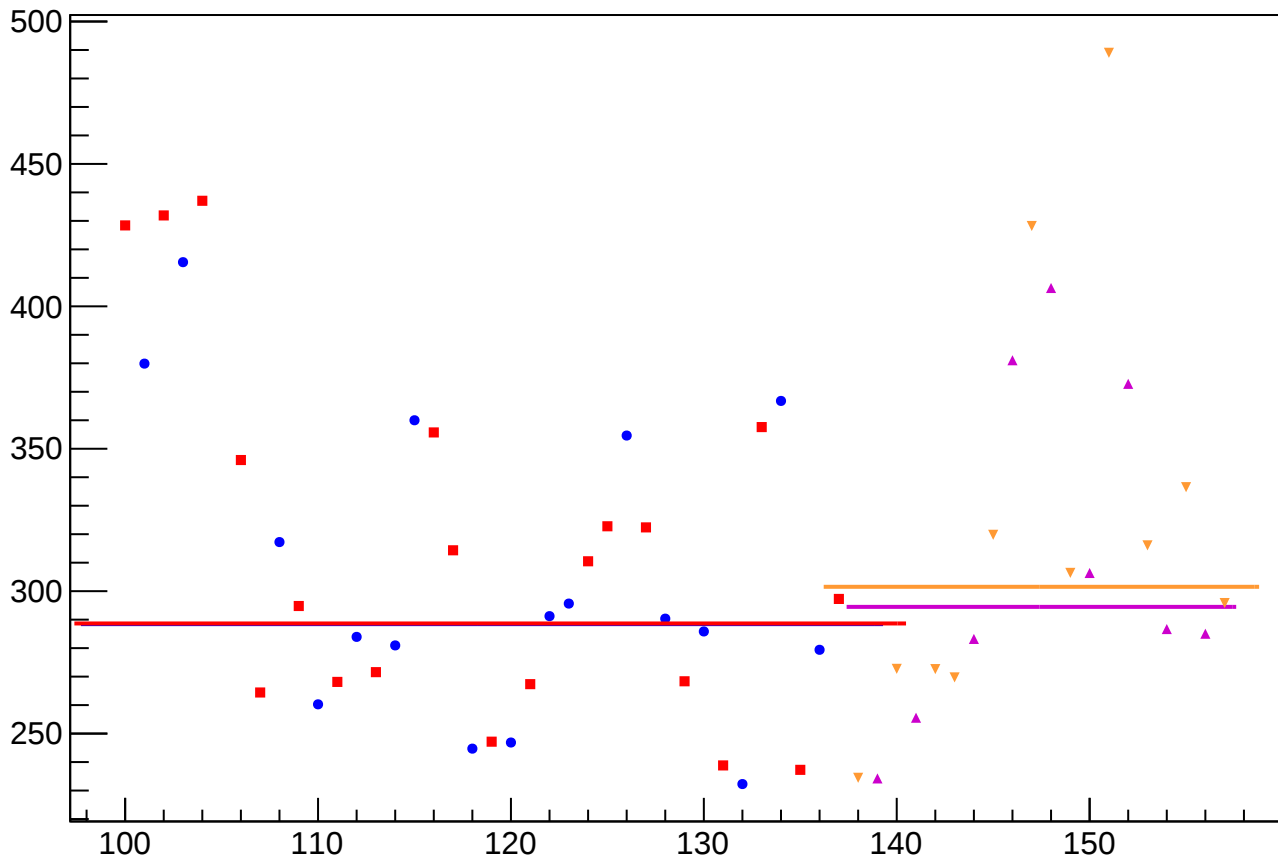
Left In: -364.643 ± 112.029 χ^2/NDF : 289.6/8

343.535 ± 78.557 χ^2/NDF : 808.5/27

-144.824 ± 55.598 χ^2/NDF : 1510.6/56

-634.945 ± 78.699 χ^2/NDF : 624.6/28

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 288.428 ± 0.081 $\chi^2/\text{NDF}: 339820.0/16$

Left Out: 301.532 ± 0.077 $\chi^2/\text{NDF}: 552700.8/10$

Right Out: 288.660 ± 0.078 $\chi^2/\text{NDF}: 455989.7/19$

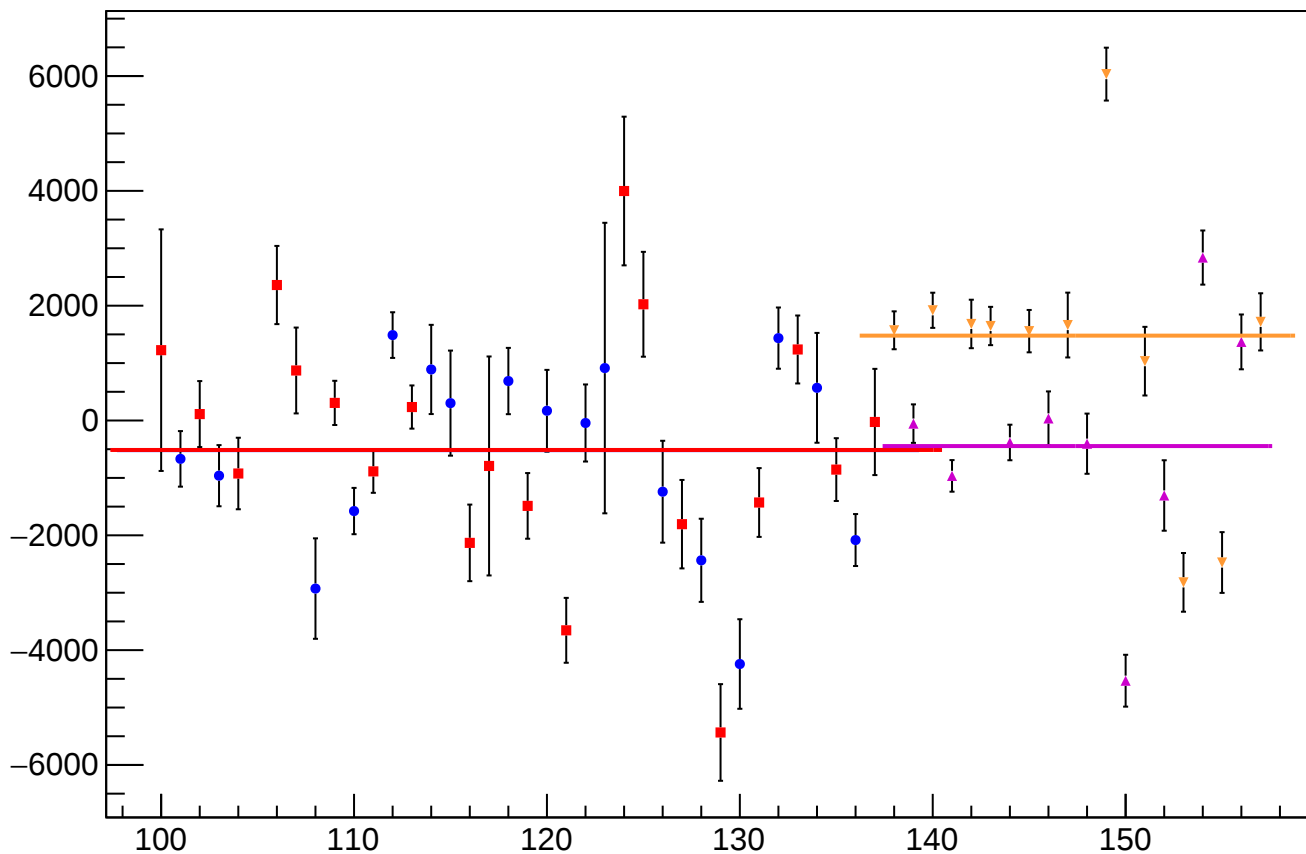
Left In: 294.488 ± 0.079 $\chi^2/\text{NDF}: 400725.8/8$

295.304 ± 0.056 $\chi^2/\text{NDF}: 906399.2/27$

293.423 ± 0.039 $\chi^2/\text{NDF}: 1768152.7/56$

291.536 ± 0.056 $\chi^2/\text{NDF}: 859456.7/28$

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -515.894 ± 147.326 χ^2/NDF : 108.0/16

Left Out: 1478.388 ± 125.154 χ^2/NDF : 227.8/10

Right Out: -513.264 ± 135.456 χ^2/NDF : 141.3/19

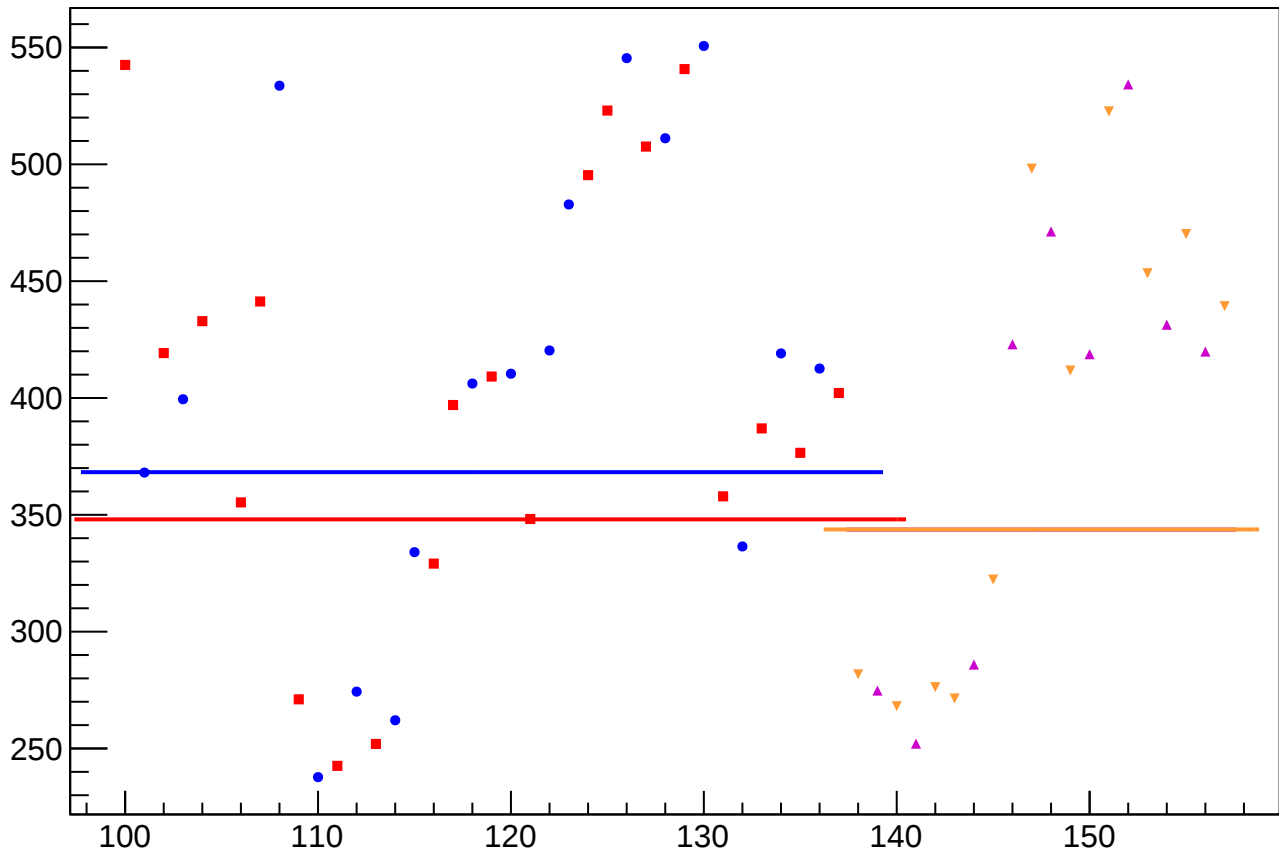
Left In: -445.322 ± 132.325 χ^2/NDF : 152.8/8

642.456 ± 95.383 χ^2/NDF : 442.2/27

77.685 ± 67.187 χ^2/NDF : 806.0/56

-478.499 ± 94.655 χ^2/NDF : 294.2/28

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 368.264+/-0.104 χ^2/NDF : 770116.6/16

Left Out: 343.737+/-0.088 χ^2/NDF : 996371.3/10

Right Out: 348.050+/-0.096 χ^2/NDF : 823186.4/19

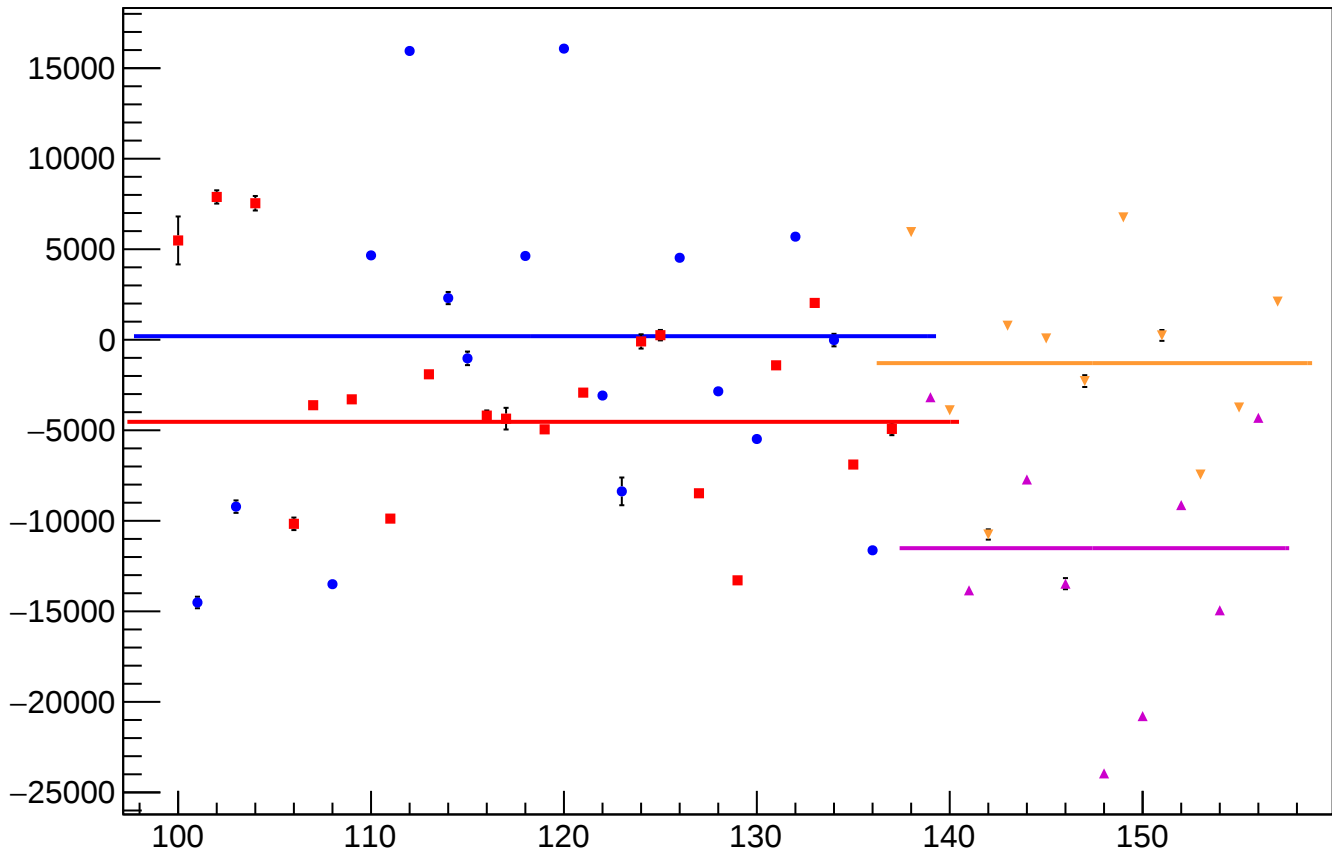
Left In: 343.685+/-0.094 χ^2/NDF : 918885.0/8

354.018+/-0.067 χ^2/NDF : 1798685.7/27

349.886+/-0.048 χ^2/NDF : 3549269.3/56

345.817+/-0.067 χ^2/NDF : 1743134.2/28

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 197.008 ± 54.799 χ^2/NDF : 30658.3/16

Left Out: -1290.533 ± 62.347 χ^2/NDF : 6470.0/10

Right Out: -4532.856 ± 52.261 χ^2/NDF : 7477.3/19

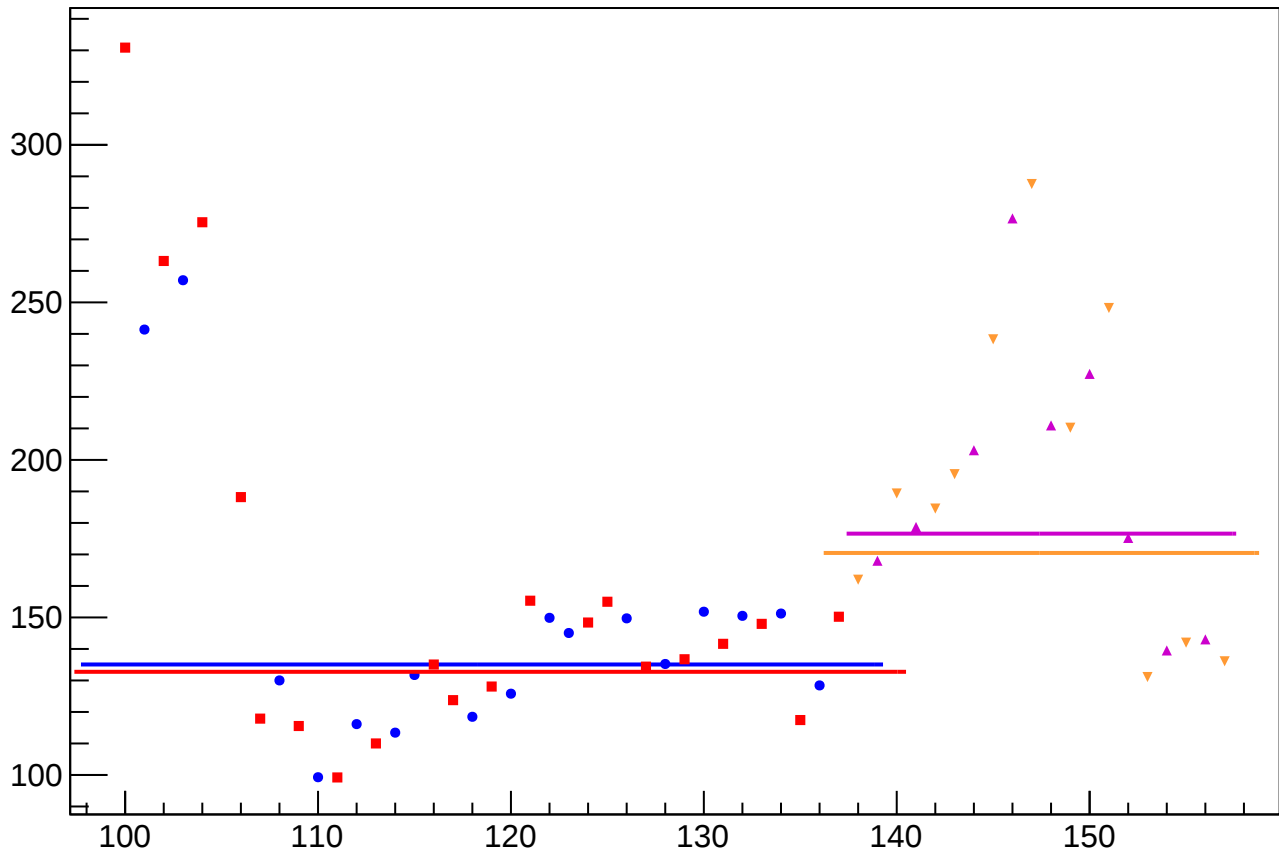
Left In: -11511.073 ± 68.481 χ^2/NDF : 8711.5/8

-451.306 ± 41.160 χ^2/NDF : 37449.5/27

-3745.257 ± 29.240 χ^2/NDF : 73129.7/56

-7101.165 ± 41.545 χ^2/NDF : 22750.8/28

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 170.471 $\pm$ 0.044 χ^2 /NDF: 921328.1/10

Right Out: 132.747 $\pm$ 0.037 χ^2 /NDF: 831647.2/19

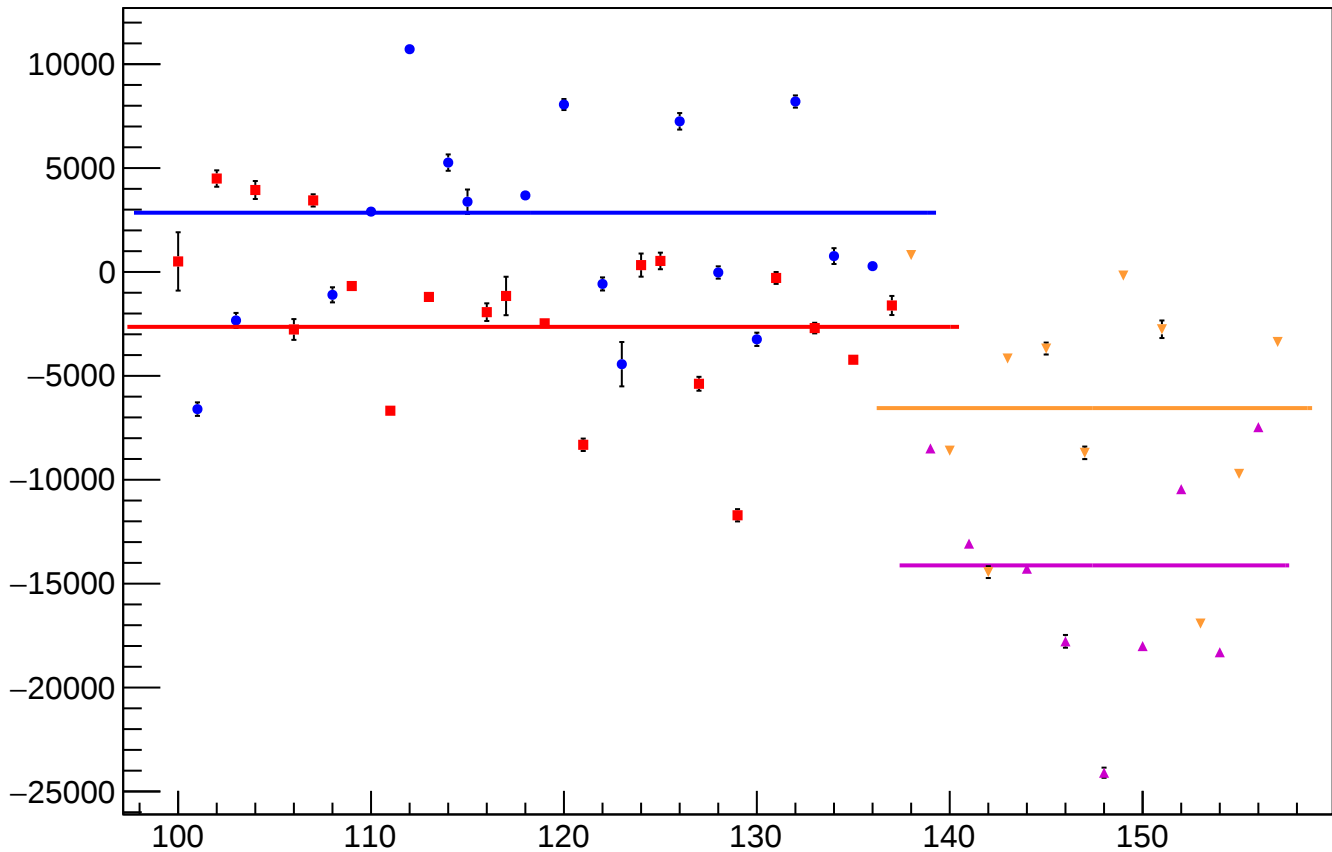
Left In: 176.599 $\pm$ 0.048 χ^2 /NDF: 572586.4/8

150.500 $\pm$ 0.029 χ^2 /NDF: 1943773.0/27

149.701 $\pm$ 0.021 χ^2 /NDF: 3867803.1/56

148.887 $\pm$ 0.029 χ^2 /NDF: 1922508.6/28

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -6551.512+/-71.498 χ^2/NDF : 6586.4/10

Right Out: -2641.642+/-65.566 χ^2/NDF : 3178.3/19

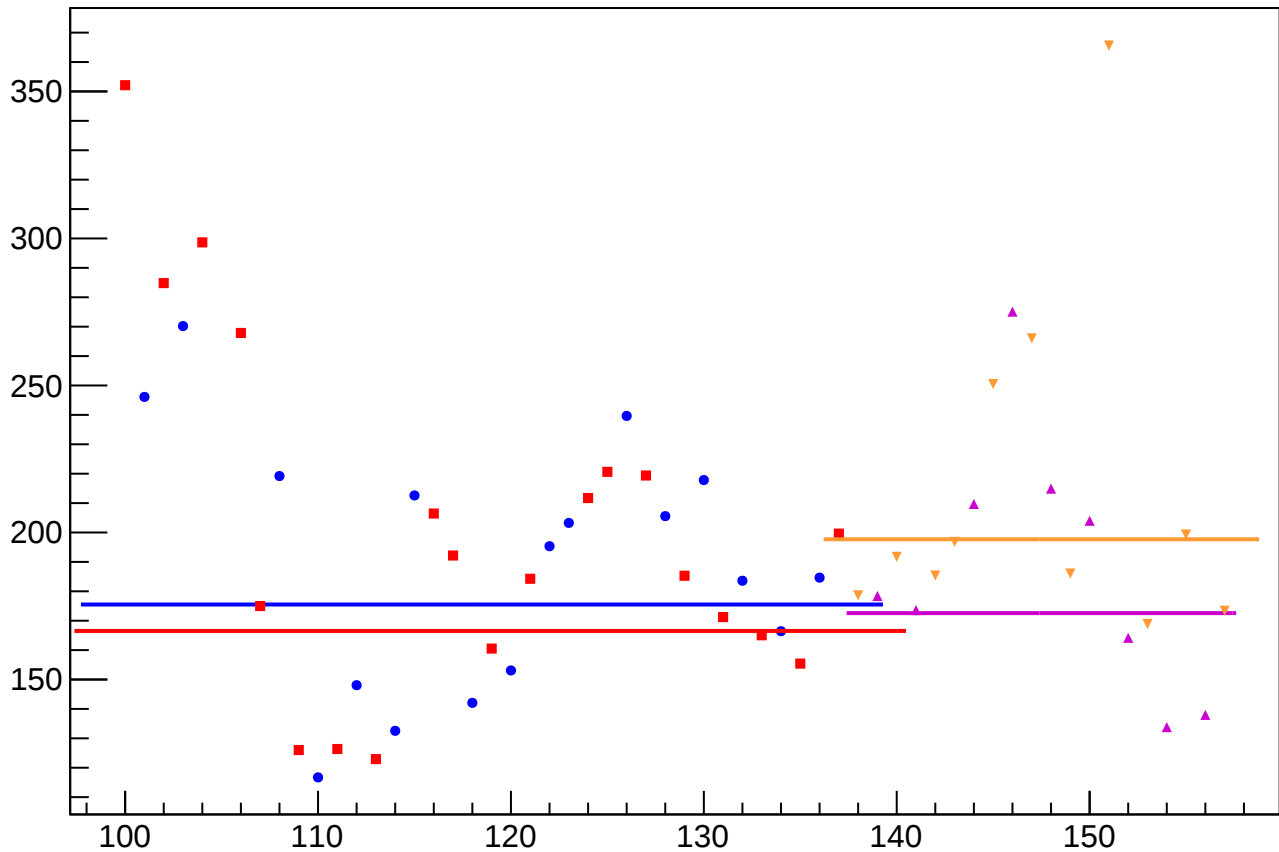
Left In: -14121.080+/-67.279 χ^2/NDF : 5628.1/8

-1800.802+/-50.291 χ^2/NDF : 19502.9/27

-5237.466+/-34.321 χ^2/NDF : 51981.6/56

-8233.361+/-46.956 χ^2/NDF : 23738.3/28

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 197.690 $\pm$ 0.051 χ^2 /NDF: 587347.3/10

Right Out: 166.522 $\pm$ 0.046 χ^2 /NDF: 931079.9/19

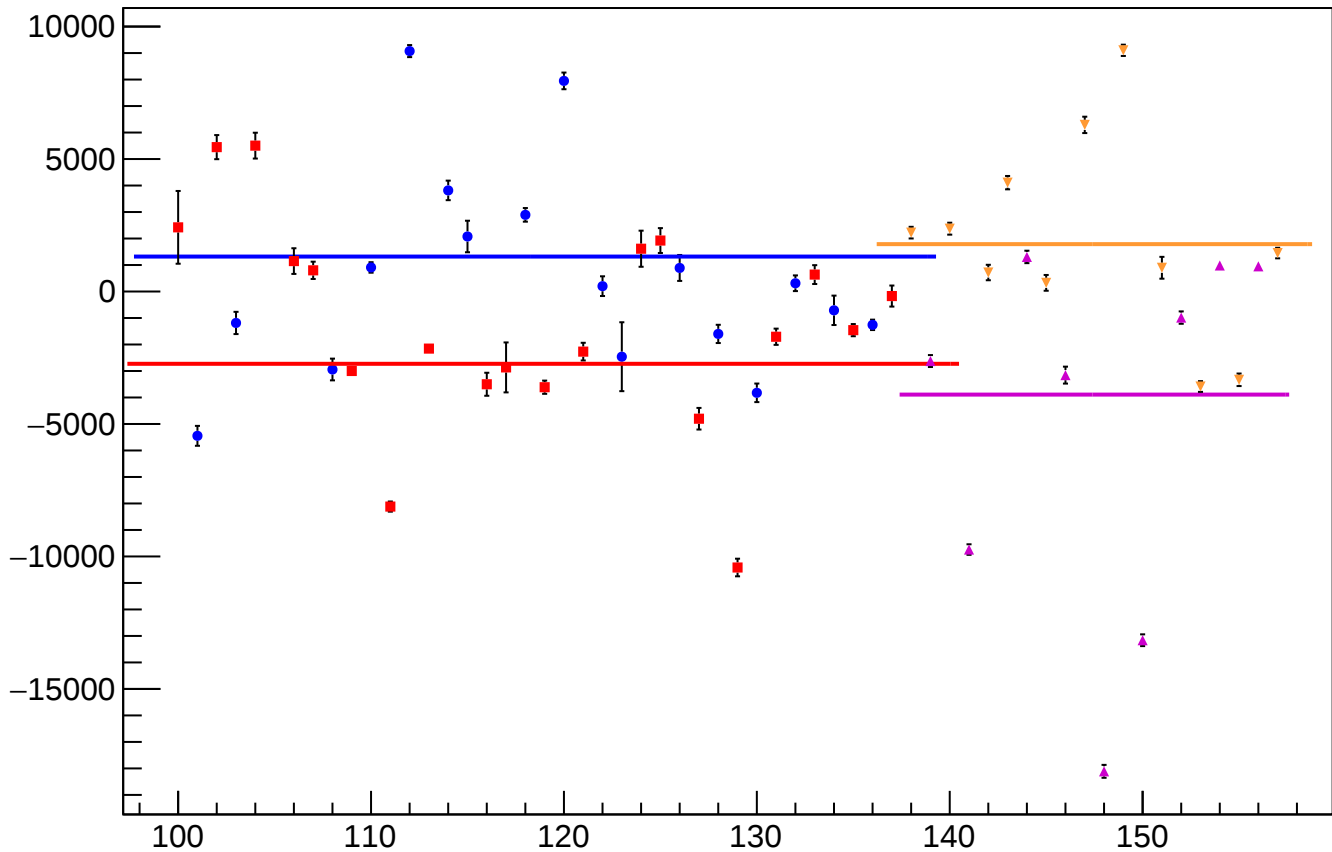
Left In: 172.584 $\pm$ 0.048 χ^2 /NDF: 614224.9/8

186.486 $\pm$ 0.036 χ^2 /NDF: 1374192.3/27

177.398 $\pm$ 0.024 χ^2 /NDF: 3050074.3/56

169.475 $\pm$ 0.033 χ^2 /NDF: 1553631.3/28

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1787.827+/-73.578 χ^2/NDF : 2702.4/10

Right Out: -2728.550+/-69.837 χ^2/NDF : 2495.9/19

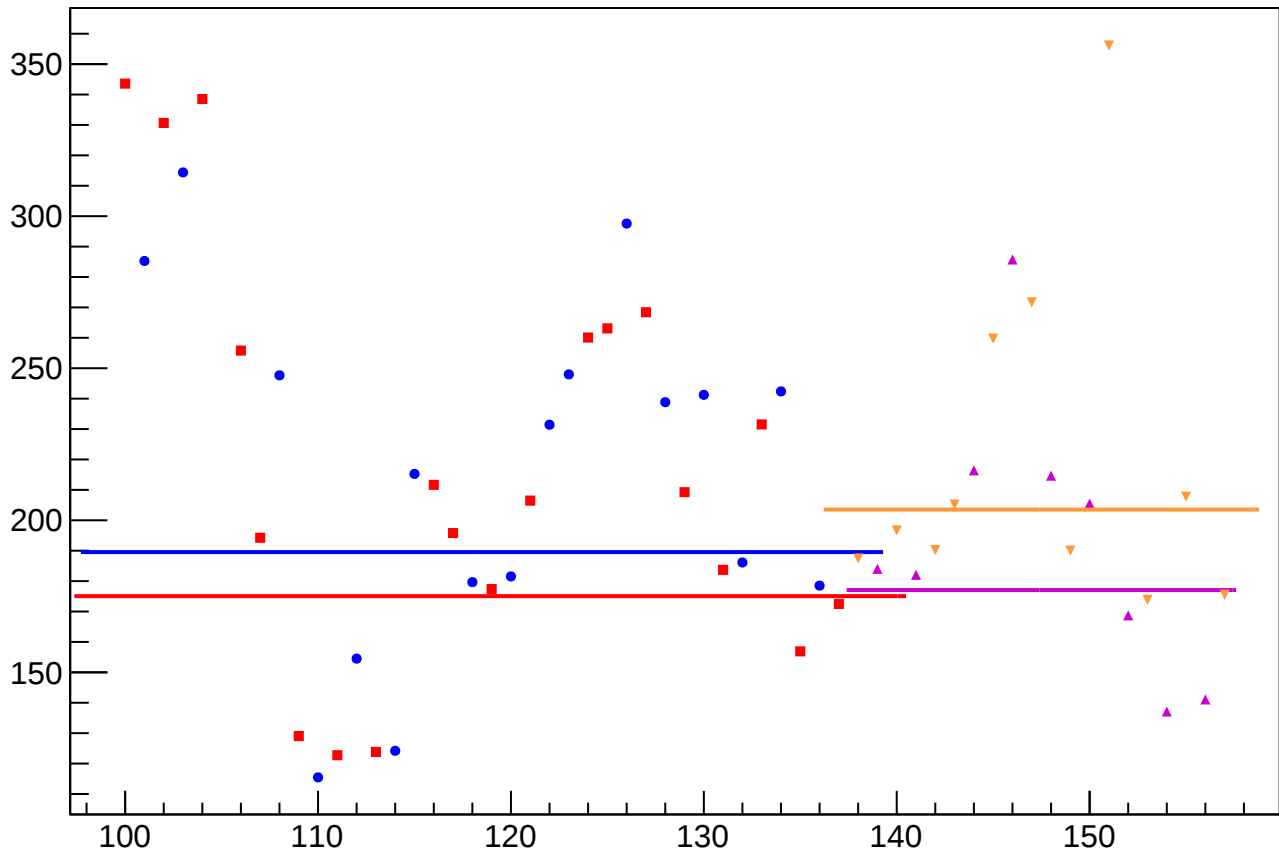
Left In: -3890.894+/-69.071 χ^2/NDF : 8606.0/8

1564.510+/-53.244 χ^2/NDF : 5388.7/27

-1072.656+/-36.099 χ^2/NDF : 21170.9/56

-3316.129+/-49.109 χ^2/NDF : 11242.0/28

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 203.529 $\pm$ 0.052 χ^2 /NDF: 550364.3/10

Right Out: 175.058 $\pm$ 0.049 χ^2 /NDF: 1298079.7/19

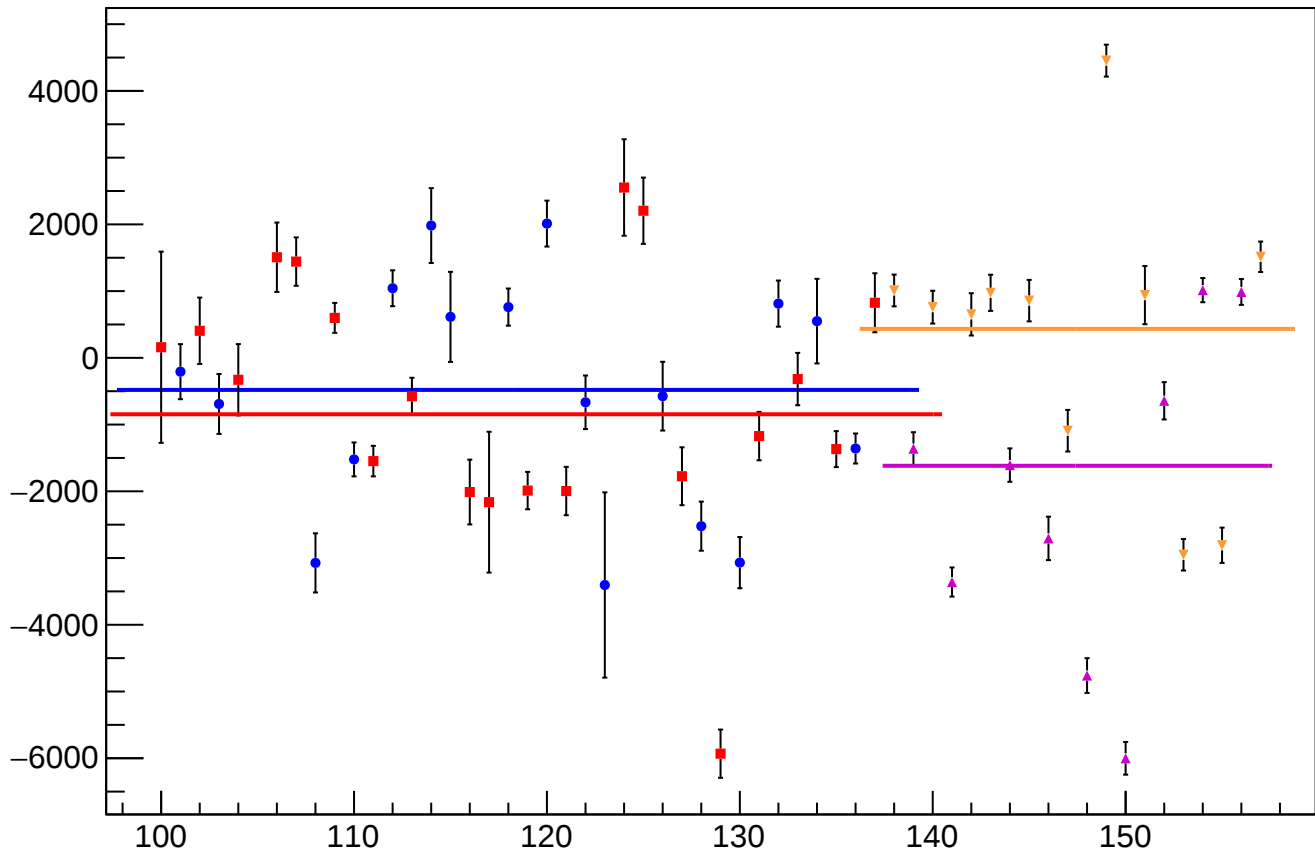
Left In: 177.060 $\pm$ 0.049 χ^2 /NDF: 610438.7/8

196.868 $\pm$ 0.038 χ^2 /NDF: 1565523.9/27

185.630 $\pm$ 0.026 χ^2 /NDF: 3639752.8/56

176.070 $\pm$ 0.035 χ^2 /NDF: 1909349.4/28

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -480.578 $\pm$ 88.640 χ^2 /NDF: 290.7/16

Left Out: 434.203 $\pm$ 80.952 χ^2 /NDF: 700.4/10

Right Out: -845.444 $\pm$ 81.995 χ^2 /NDF: 436.9/19

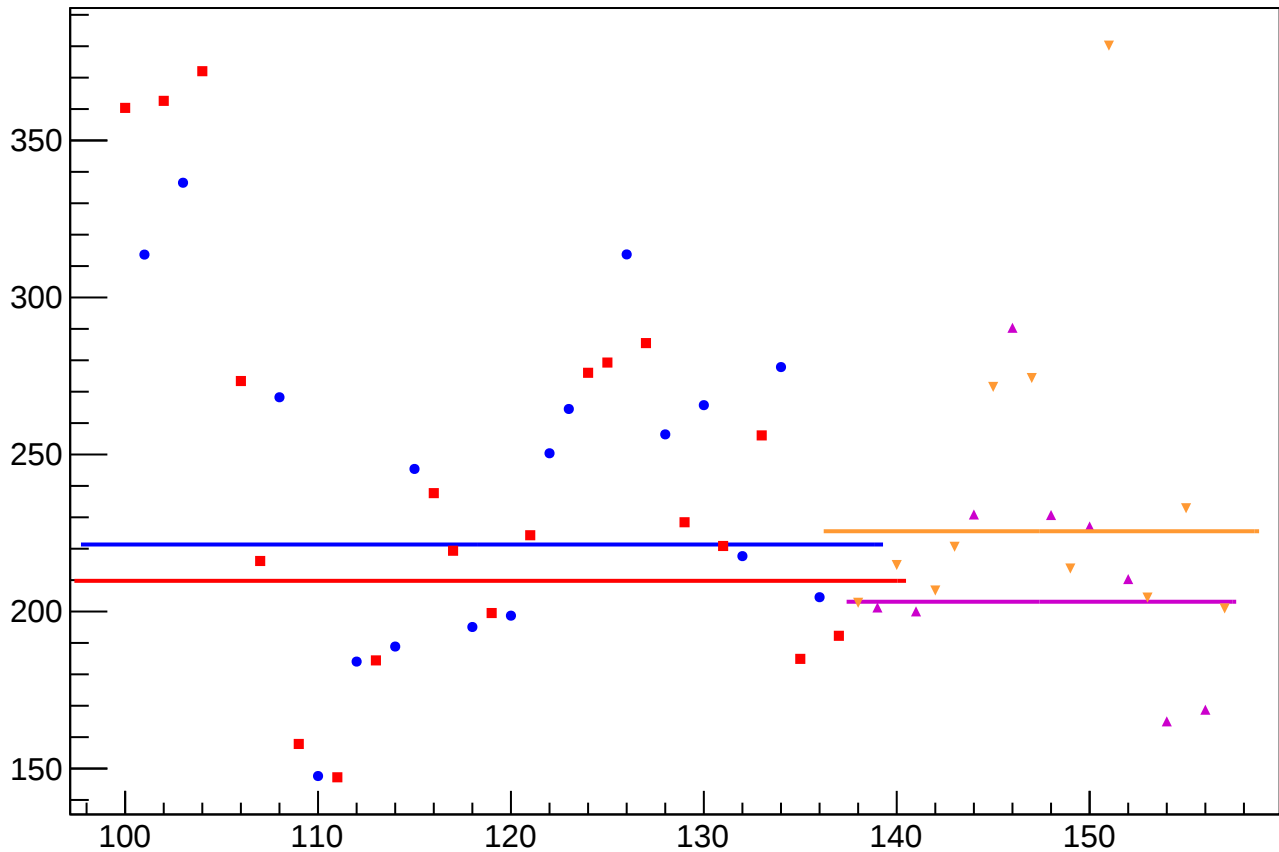
Left In: -1617.695 $\pm$ 78.086 χ^2 /NDF: 944.8/8

18.201 $\pm$ 59.775 χ^2 /NDF: 1049.2/27

-651.290 $\pm$ 41.078 χ^2 /NDF: 2715.1/56

-1250.412 $\pm$ 56.547 χ^2 /NDF: 1428.2/28

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.342 +/- 0.063 χ^2/NDF : 645688.1/16

Left Out: 225.564 +/- 0.057 χ^2/NDF : 419352.1/10

Right Out: 209.775 +/- 0.058 χ^2/NDF : 884083.7/19

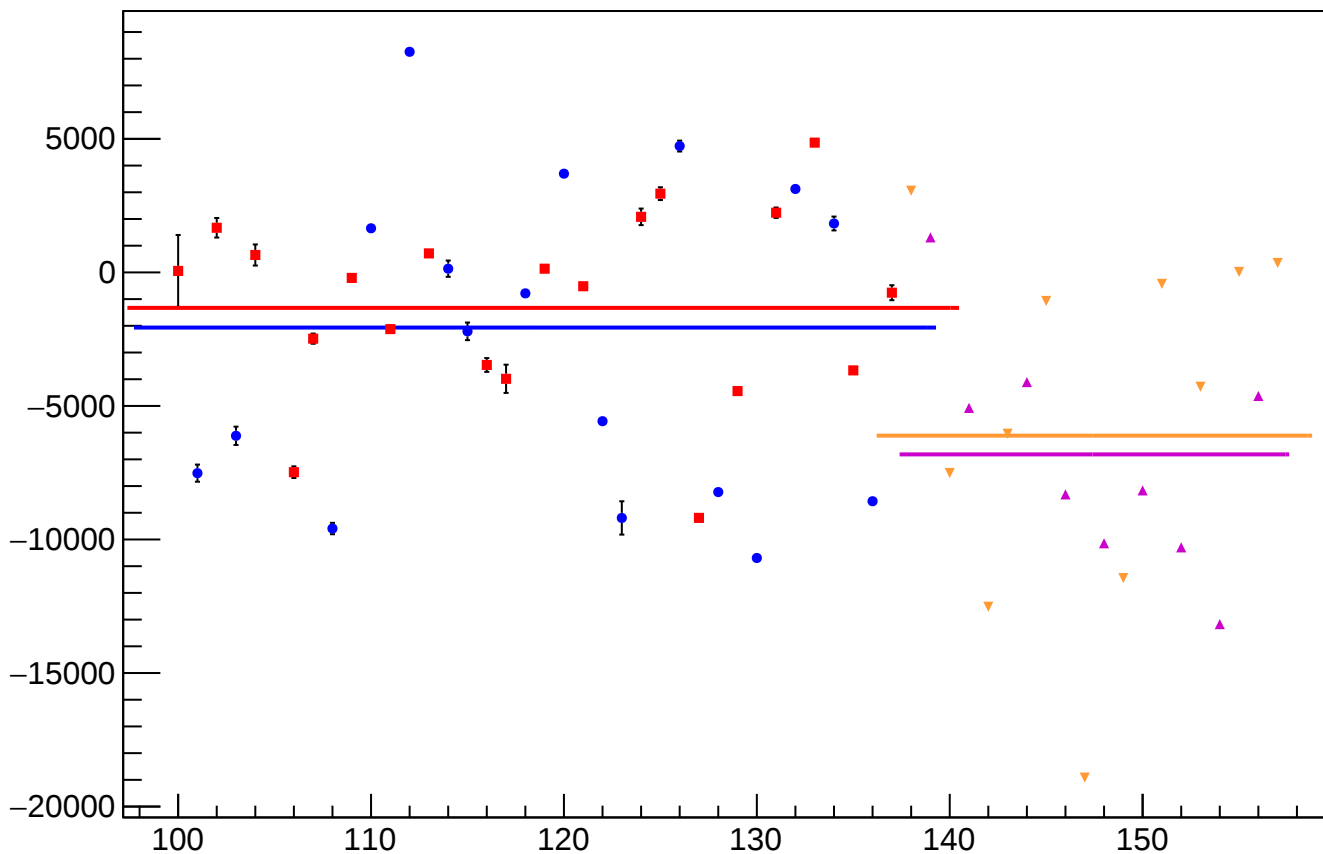
Left In: 203.117 +/- 0.055 χ^2/NDF : 362834.7/8

223.644 +/- 0.042 χ^2/NDF : 1067513.9/27

214.482 +/- 0.029 χ^2/NDF : 2410380.1/56

206.283 +/- 0.040 χ^2/NDF : 1253834.1/28

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.160+/-47.322 χ^2 /NDF: 16533.3/16

Left Out: -6111.595+/-41.332 χ^2 /NDF:26199.5/10

Right Out: -1327.819+/-44.838 χ^2 /NDF: 5919.9/19

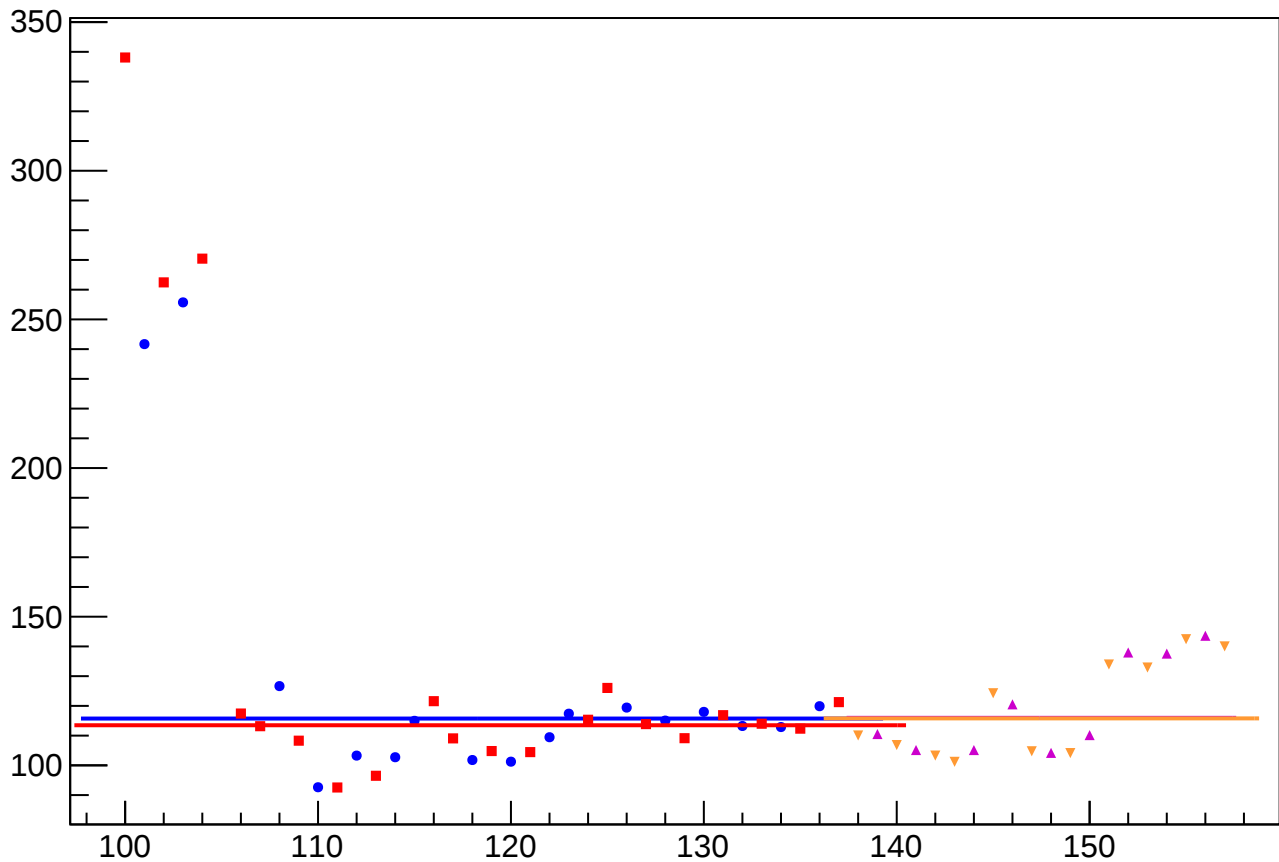
Left In: -6814.091+/-43.595 χ^2 /NDF:7831.2/8

-4360.518+/-31.130 χ^2 /NDF: 46880.4/27

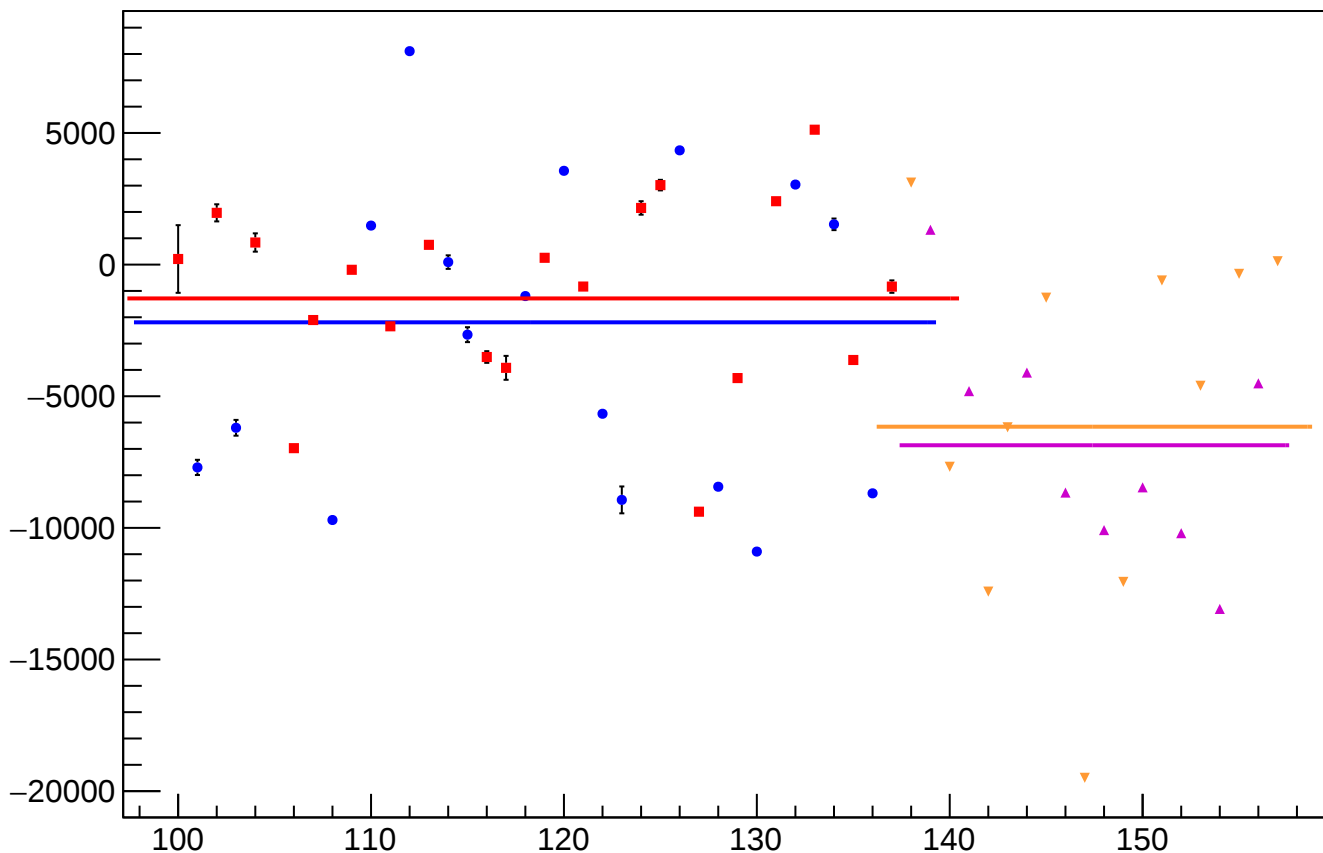
-4254.716+/-22.057 χ^2 /NDF: 68350.6/56

-4148.051+/-31.257 χ^2 /NDF: 21447.1/28

asym_bpm1i02WS_rms vs Slug, Sign Corrected



asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2192.327 ± 39.944 $\chi^2/\text{NDF}: 22813.5/16$

Left Out: -6156.743 ± 37.547 $\chi^2/\text{NDF}: 31732.2/10$

Right Out: -1284.692 ± 37.915 $\chi^2/\text{NDF}: 8584.4/19$

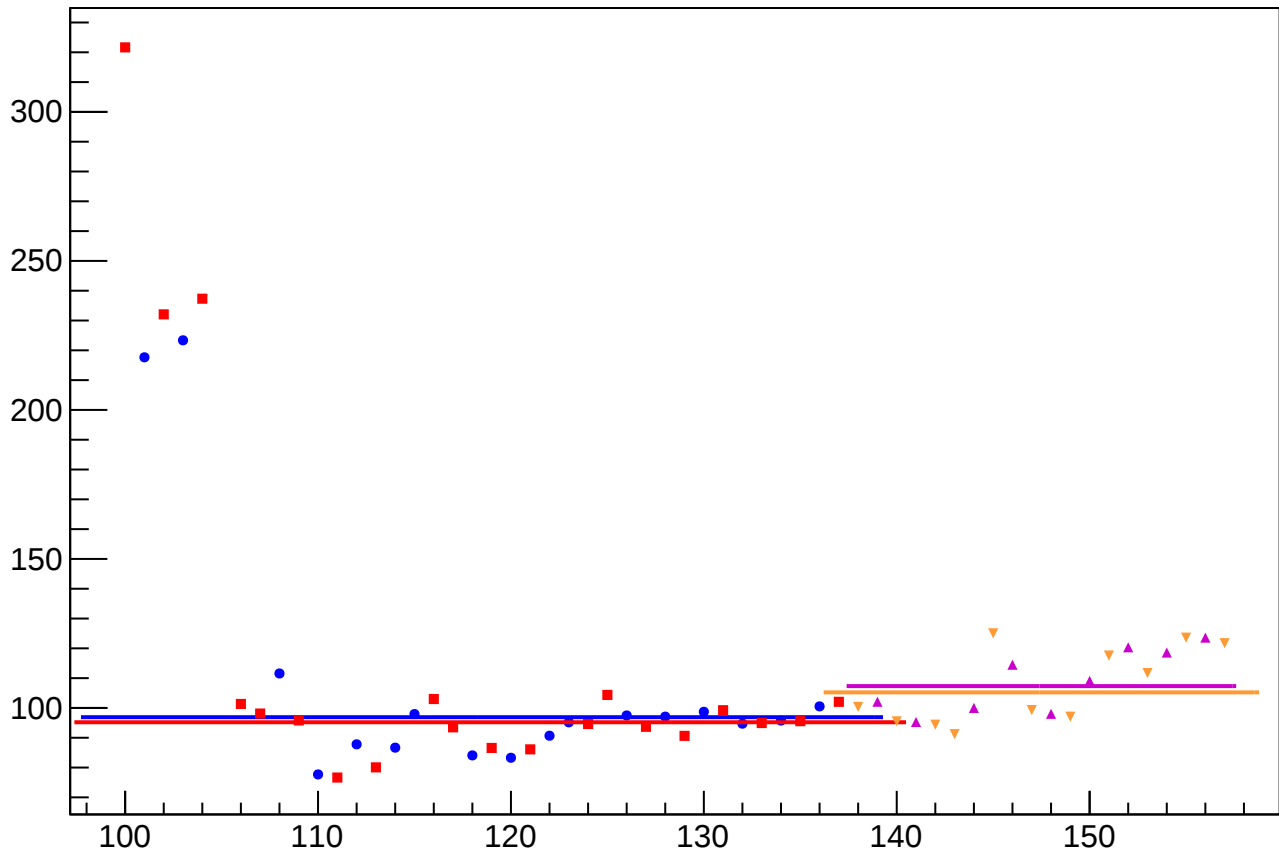
Left In: -6861.736 ± 40.270 $\chi^2/\text{NDF}: 9611.8/8$

-4297.032 ± 27.358 $\chi^2/\text{NDF}: 59775.3/27$

-4102.977 ± 19.432 $\chi^2/\text{NDF}: 88240.1/56$

-3905.401 ± 27.605 $\chi^2/\text{NDF}: 28363.2/28$

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 96.894 $\pm$ 0.028 $\chi^2/\text{NDF}: 817229.9/16$

Left Out: 105.227 $\pm$ 0.027 $\chi^2/\text{NDF}: 200163.2/10$

Right Out: 95.201 $\pm$ 0.027 $\chi^2/\text{NDF}: 859838.2/19$

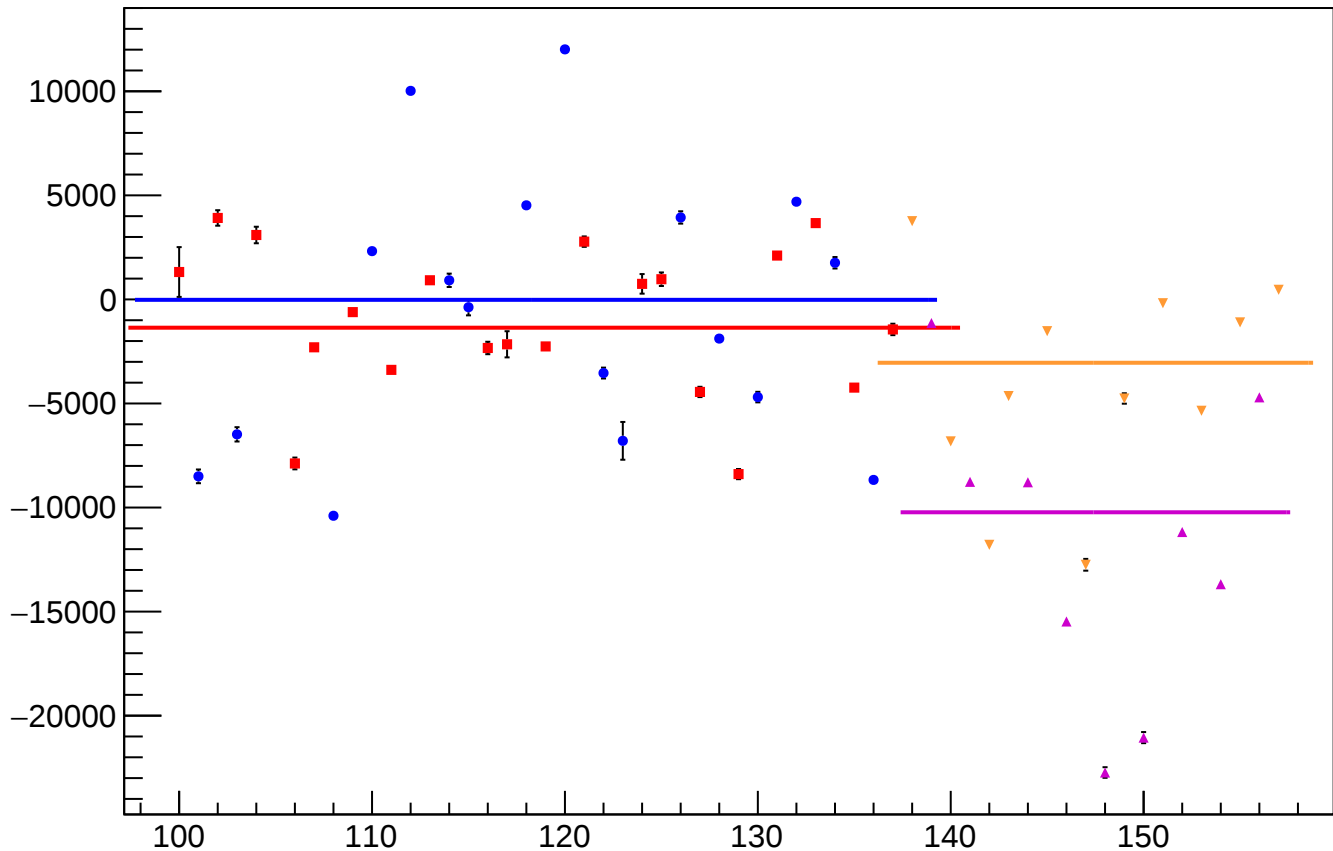
Left In: 107.331 $\pm$ 0.028 $\chi^2/\text{NDF}: 120424.7/8$

101.318 $\pm$ 0.019 $\chi^2/\text{NDF}: 1063603.3/27$

101.111 $\pm$ 0.014 $\chi^2/\text{NDF}: 2140275.8/56$

100.901 $\pm$ 0.020 $\chi^2/\text{NDF}: 1076442.5/28$

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -19.990 ± 54.643 $\chi^2/\text{NDF}: 16361.0/16$

Left Out: -3043.624 ± 55.905 $\chi^2/\text{NDF}: 6170.4/10$

Right Out: -1359.001 ± 52.186 $\chi^2/\text{NDF}: 3838.8/19$

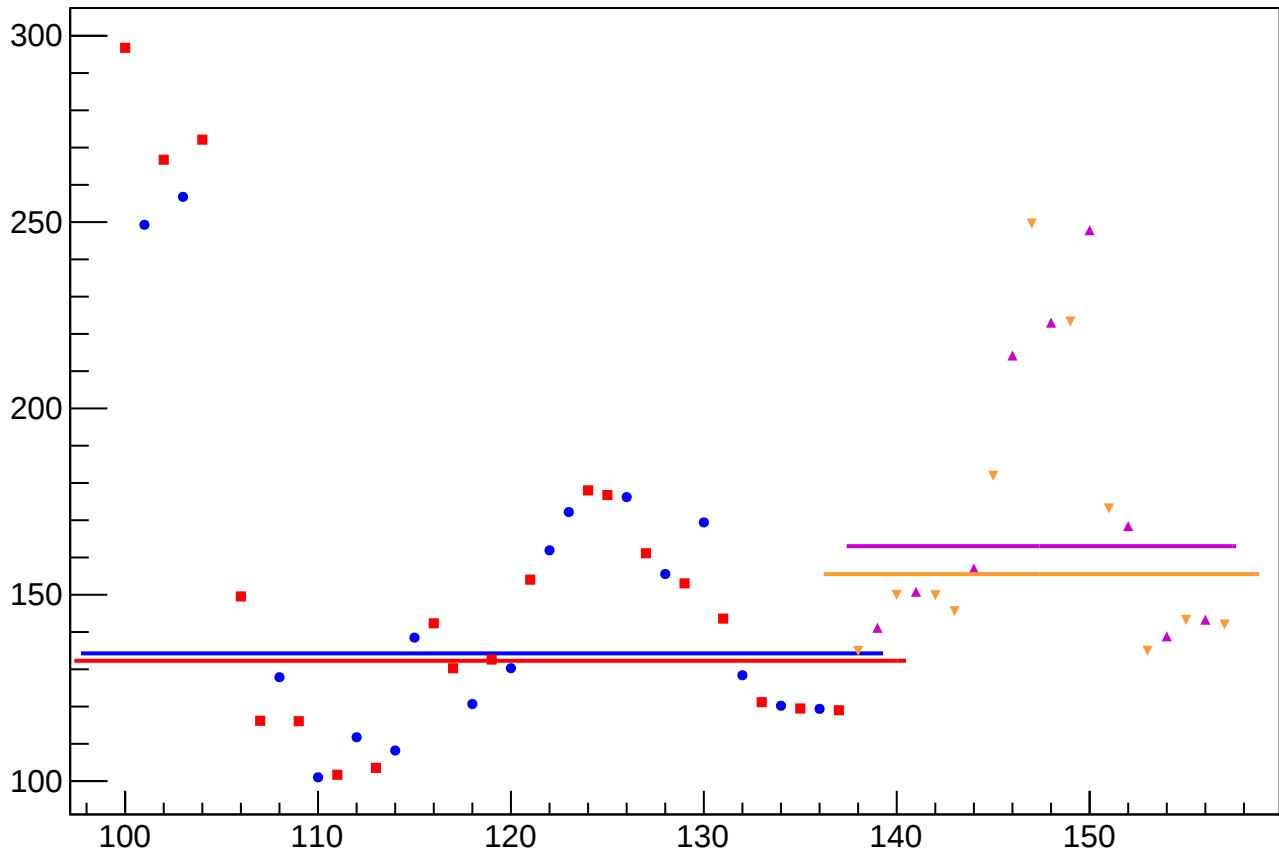
Left In: -10227.725 ± 62.145 $\chi^2/\text{NDF}: 9121.4/8$

-1497.311 ± 39.077 $\chi^2/\text{NDF}: 24027.4/27$

-3222.359 ± 27.940 $\chi^2/\text{NDF}: 52918.3/56$

-5026.610 ± 39.964 $\chi^2/\text{NDF}: 24903.9/28$

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 134.268 +/- 0.039 χ^2/NDF : 788647.0/16

Left Out: 155.539 +/- 0.040 χ^2/NDF : 521389.0/10

Right Out: 132.288 +/- 0.037 χ^2/NDF : 869913.4/19

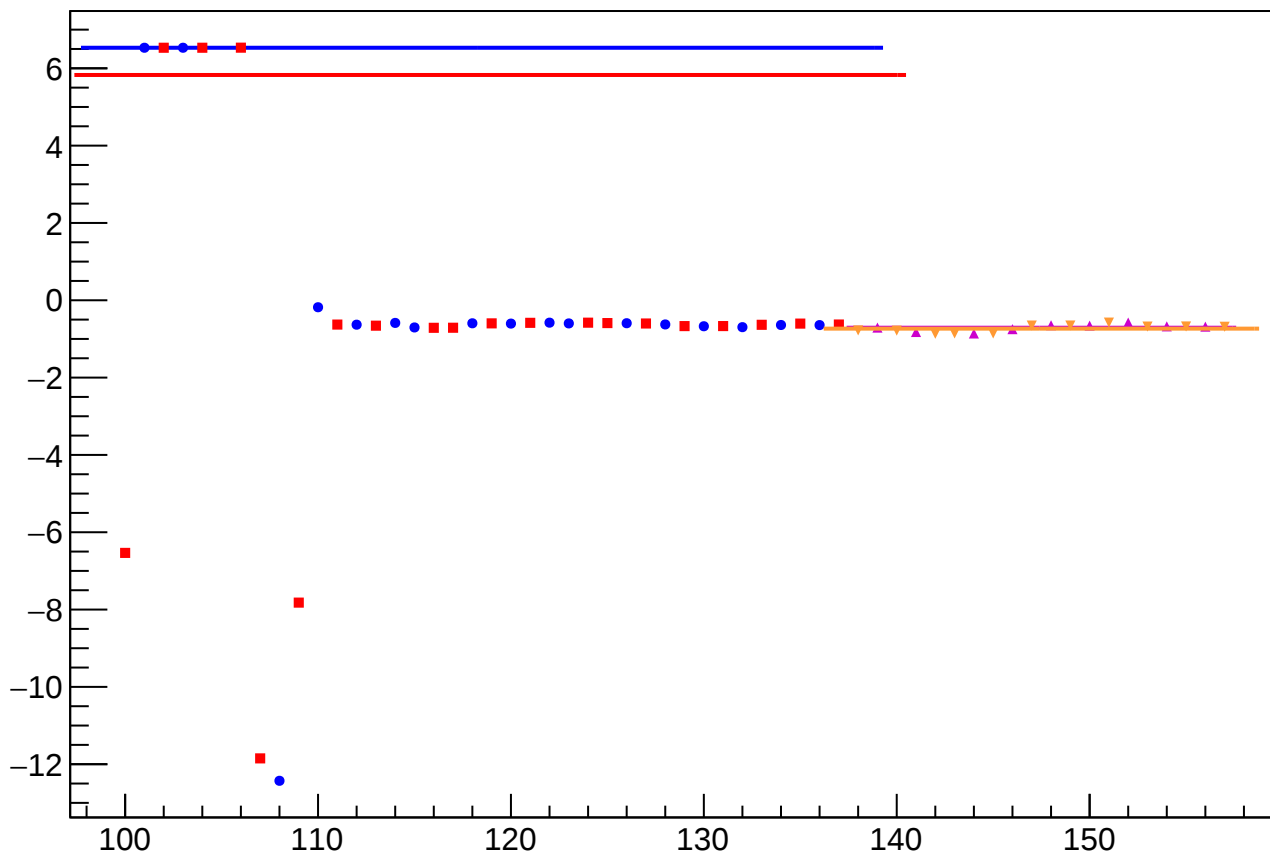
Left In: 163.046 +/- 0.044 χ^2/NDF : 532033.8/8

144.661 +/- 0.028 χ^2/NDF : 1458117.9/27

144.830 +/- 0.020 χ^2/NDF : 3147464.3/56

145.008 +/- 0.028 χ^2/NDF : 1689269.1/28

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF : 127906780672.7/16

Left Out: -0.734+/-0.000 χ^2/NDF : 70509351.5/10

Right Out: 5.827+/-0.000 χ^2/NDF : 755949520765363.8/19

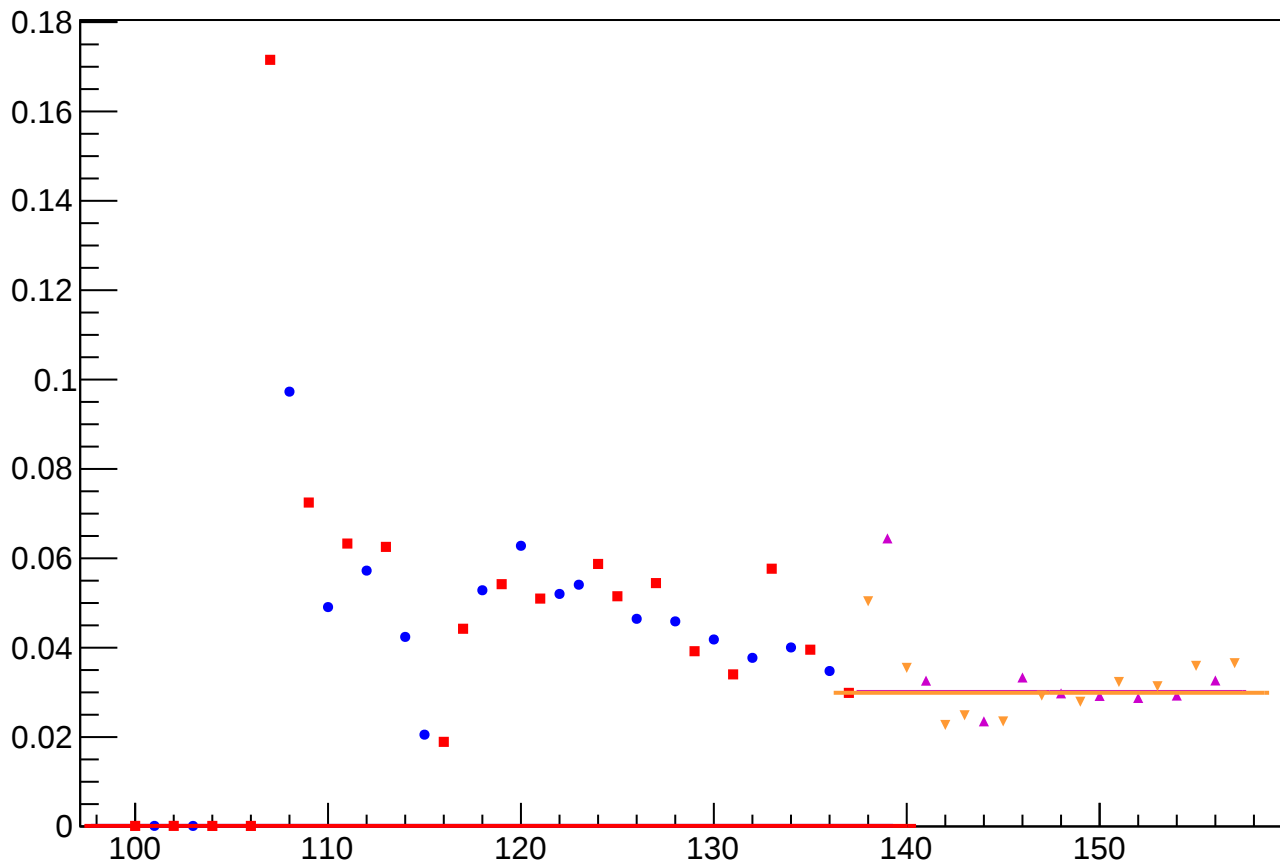
Left In: -0.710+/-0.000 χ^2/NDF : 54070232.5/8

6.531+/-0.000 χ^2/NDF : 497926660372.0/27

6.154+/-0.000 χ^2/NDF : 77670916256343

5.827+/-0.000 χ^2/NDF : 756217735113515.9/28

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.030+/-0.000 χ^2/NDF : 506710.2/10

Right Out: 0.000+/-0.000 χ^2/NDF : 9453181.1/19

Left In: 0.030+/-0.000 χ^2/NDF : 503324.8/8

0.000+/-0.000 χ^2/NDF : 21972601.0/27

0.000+/-0.000 χ^2/NDF : 43202206.0/56

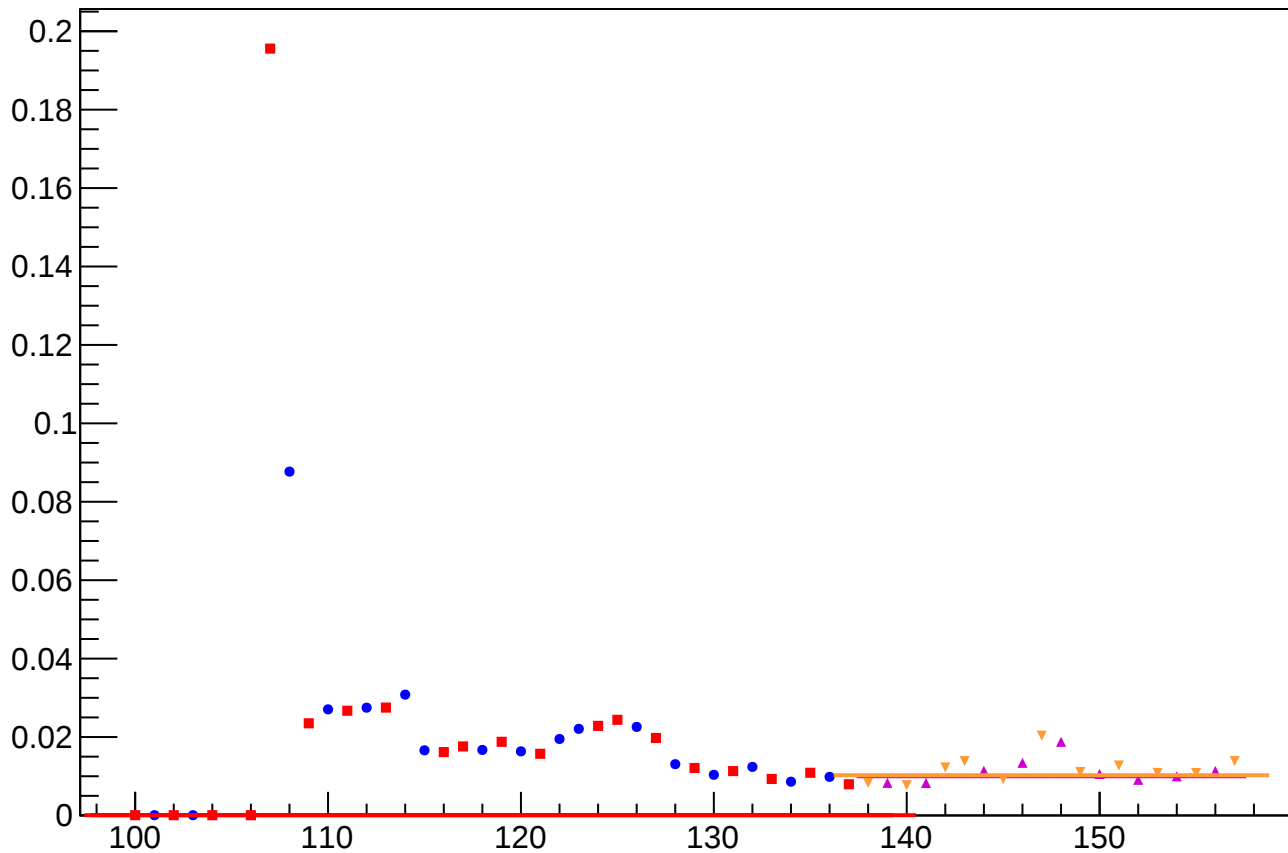
0.000+/-0.000 χ^2/NDF : 21229160.1/28

Figure 1 is a scatter plot with three data series: blue circles, red squares, and orange triangles. The x-axis represents the number of nodes N , ranging from 100 to 160. The y-axis represents the number of iterations required for convergence, ranging from 0 to 100. The plot is divided into two regions by a vertical line at $N = 100$. For $N < 100$, the blue circles and red squares show a sharp increase in iterations, while the orange triangles remain relatively constant around 10 iterations. For $N > 100$, the blue circles and red squares show a sharp increase in iterations, while the orange triangles remain relatively constant around 10 iterations.

Left In: -0.842+/-0.000 χ^2/NDF :46714993.6/8

2.583+/-0.000 χ^2/NDF : 1254164036208022.2/2

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9848258.0/16

Left Out: 0.010+/-0.000 χ^2/NDF : 803757.0/10

Right Out: 0.000+/-0.000 χ^2/NDF : 9955781.5/19

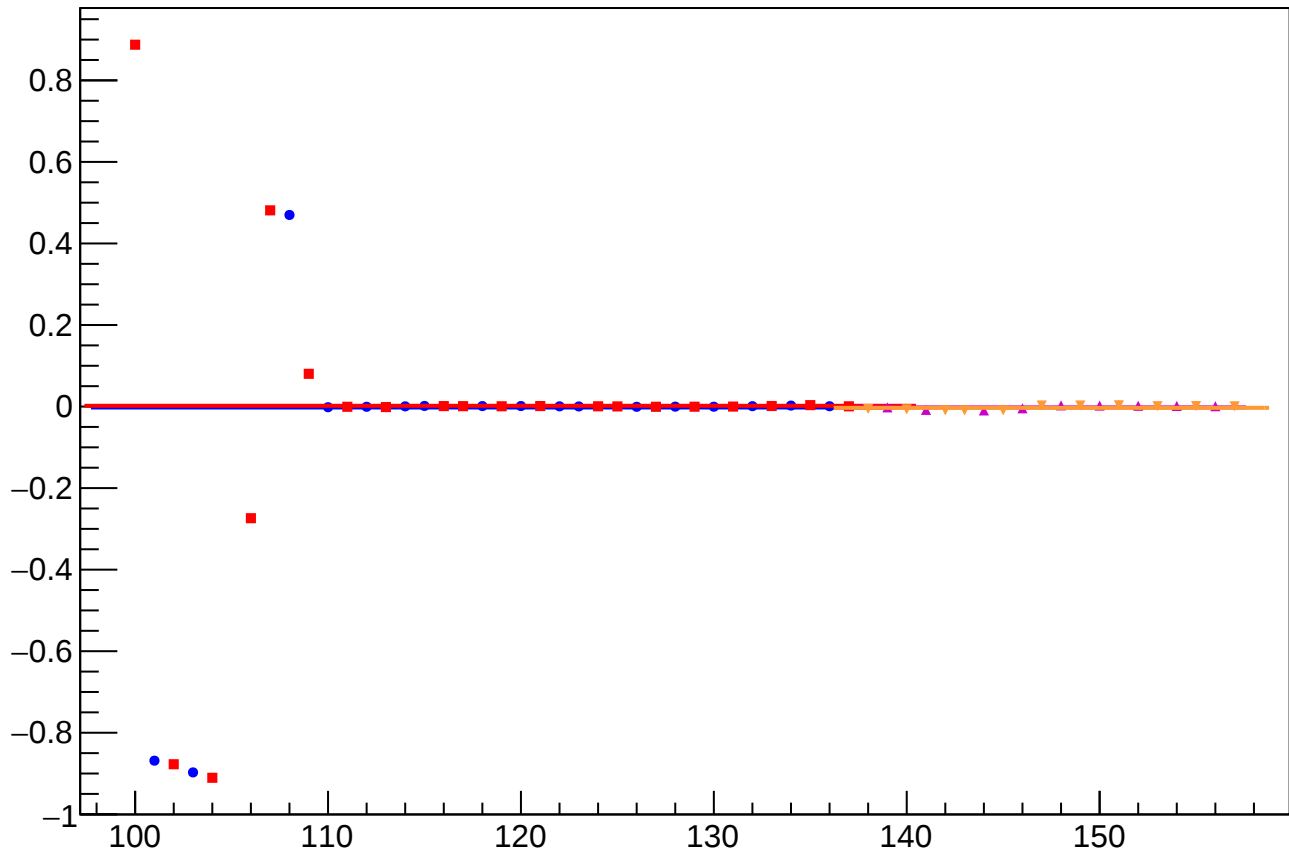
Left In: 0.010+/-0.000 χ^2/NDF : 550290.1/8

0.000+/-0.000 χ^2/NDF : 22570138.5/27

0.000+/-0.000 χ^2/NDF : 44118080.5/56

0.000+/-0.000 χ^2/NDF : 21547407.4/28

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF : 9795424036.3/16

Left Out: -0.003+/-0.000 χ^2/NDF : 75136845.3/10

Right Out: 0.002+/-0.000 χ^2/NDF : 3041335141.0/19

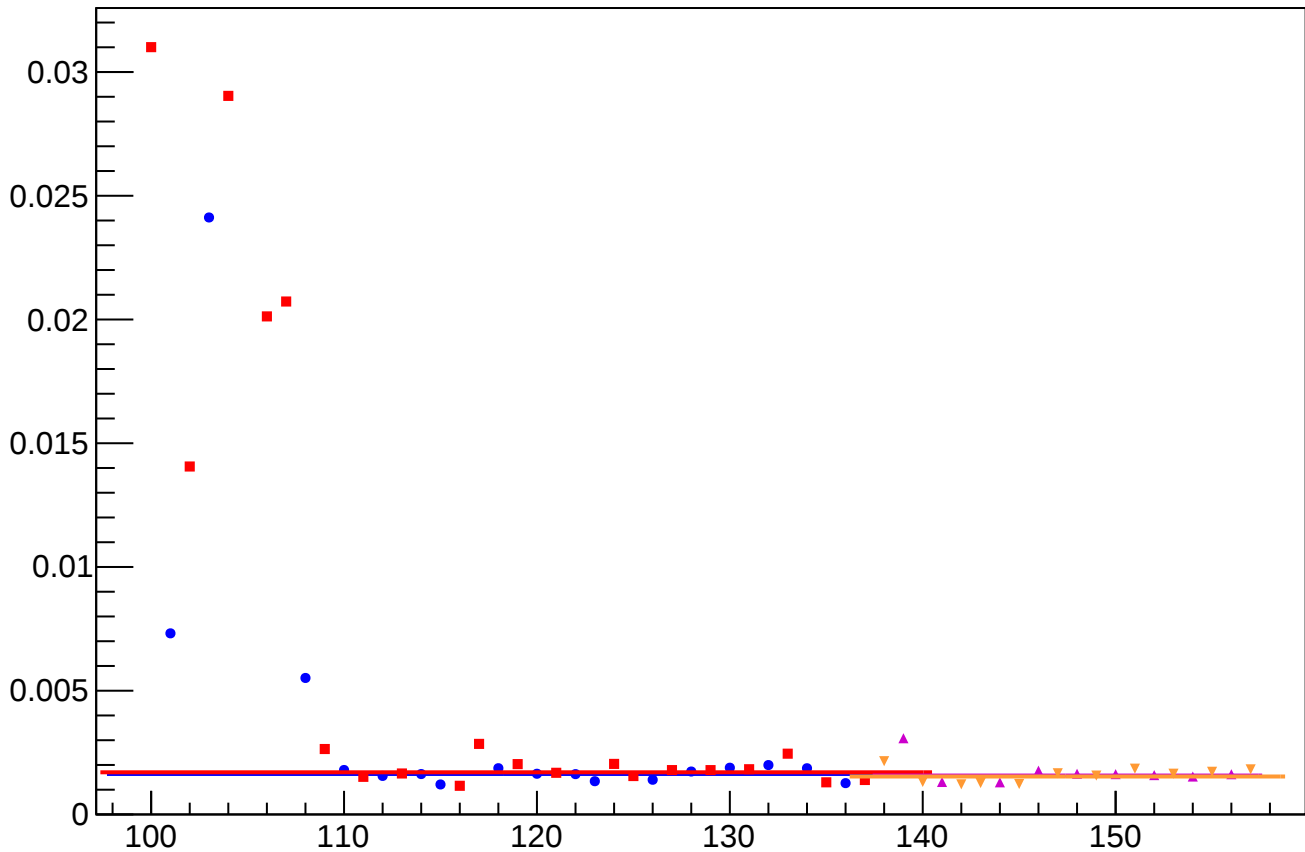
Left In: -0.002+/-0.000 χ^2/NDF : 55433904.4/8

-0.003+/-0.000 χ^2/NDF : 9871354965.8/27

-0.002+/-0.000 χ^2/NDF : 12993327340.6/5

-0.000+/-0.000 χ^2/NDF : 3110892282.6/28

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002 ± 0.000 χ^2/NDF : 1919127.9/16

Left Out: 0.002 ± 0.000 χ^2/NDF : 376180.2/10

Right Out: 0.002 ± 0.000 χ^2/NDF : 3038397.4/19

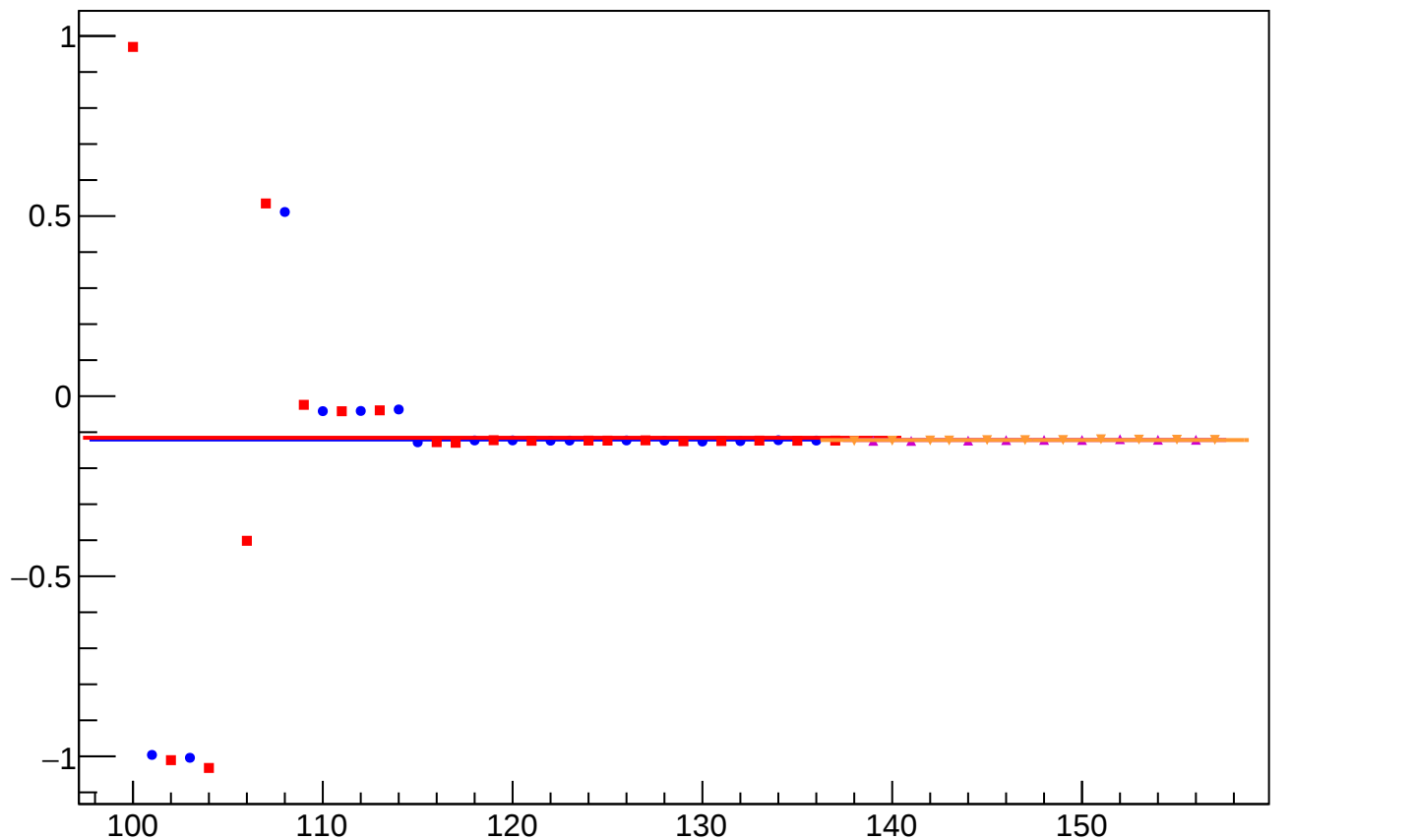
Left In: 0.002 ± 0.000 χ^2/NDF : 446803.1/8

0.002 ± 0.000 χ^2/NDF : 2316986.3/27

0.002 ± 0.000 χ^2/NDF : 5844835.7/56

0.002 ± 0.000 χ^2/NDF : 3517234.2/28

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.122+/-0.000 χ^2/NDF : 9629461.4/10

Right Out: -0.115+/-0.000 χ^2/NDF : 2458720596.9/19

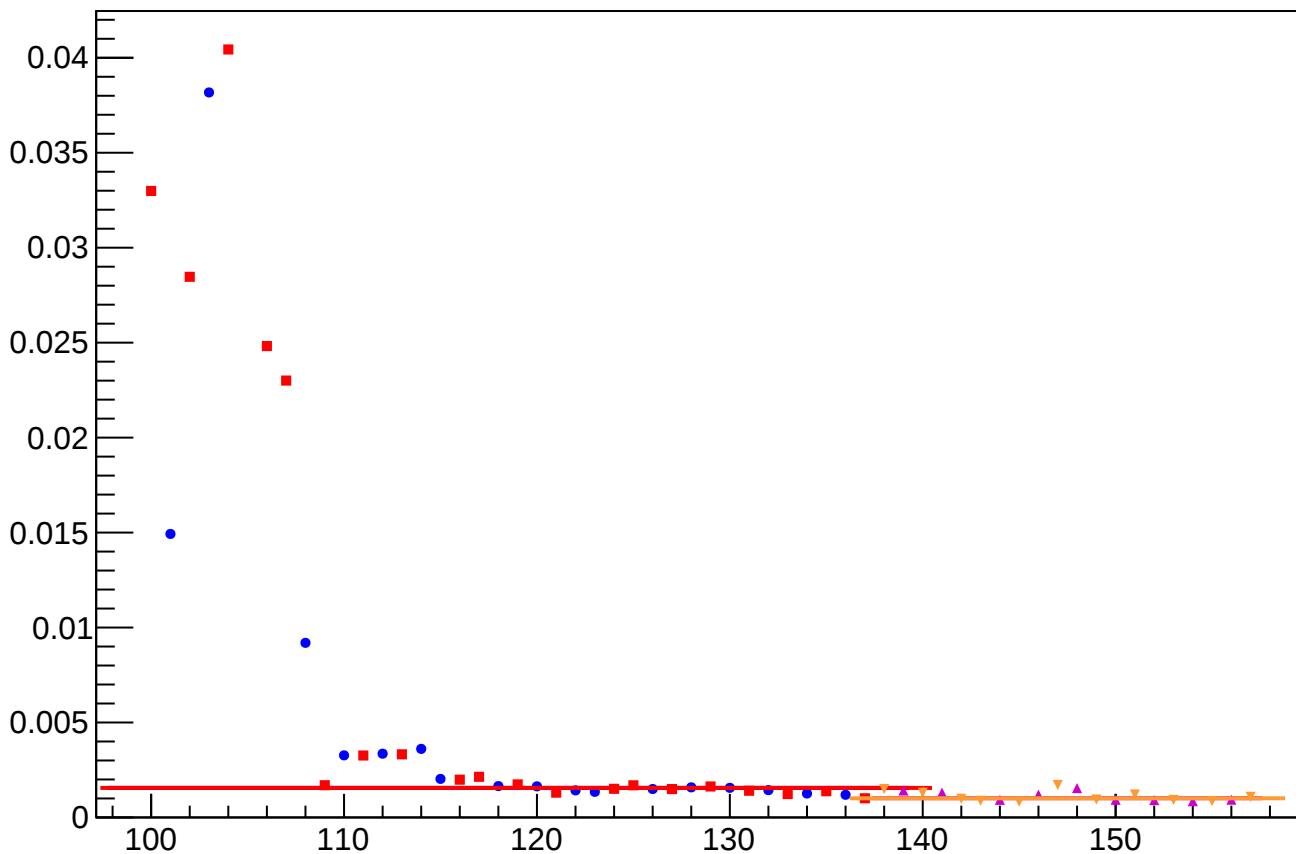
Left In: -0.122+/-0.000 χ^2/NDF : 12457913.9/8

-0.122+/-0.000 χ^2/NDF : 3945253211.8/27

-0.121+/-0.000 χ^2/NDF : 6478657876.8/50

-0.120+/-0.000 χ^2/NDF : 2525672894.6/28

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:662520.4/10

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3544377.2/19

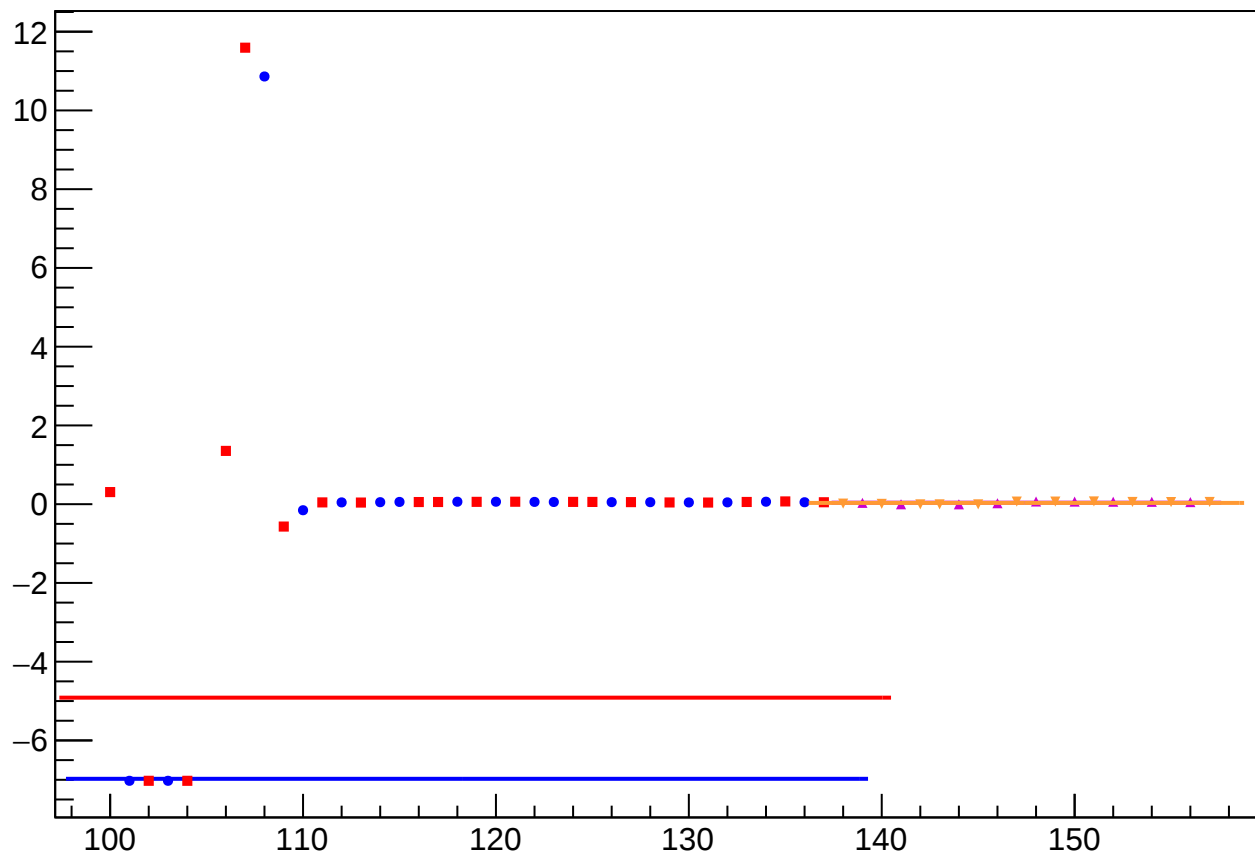
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:500936.0/8

0.001 $\pm$ 0.000 χ^2 /NDF: 4471926.2/27

0.001 $\pm$ 0.000 χ^2 /NDF: 9380310.3/56

0.001 $\pm$ 0.000 χ^2 /NDF: 4906903.7/28

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.032+/-0.000 χ^2/NDF : 74584545.0/10

Right Out: -4.914+/-0.000 χ^2/NDF : 365366243956054.8/19

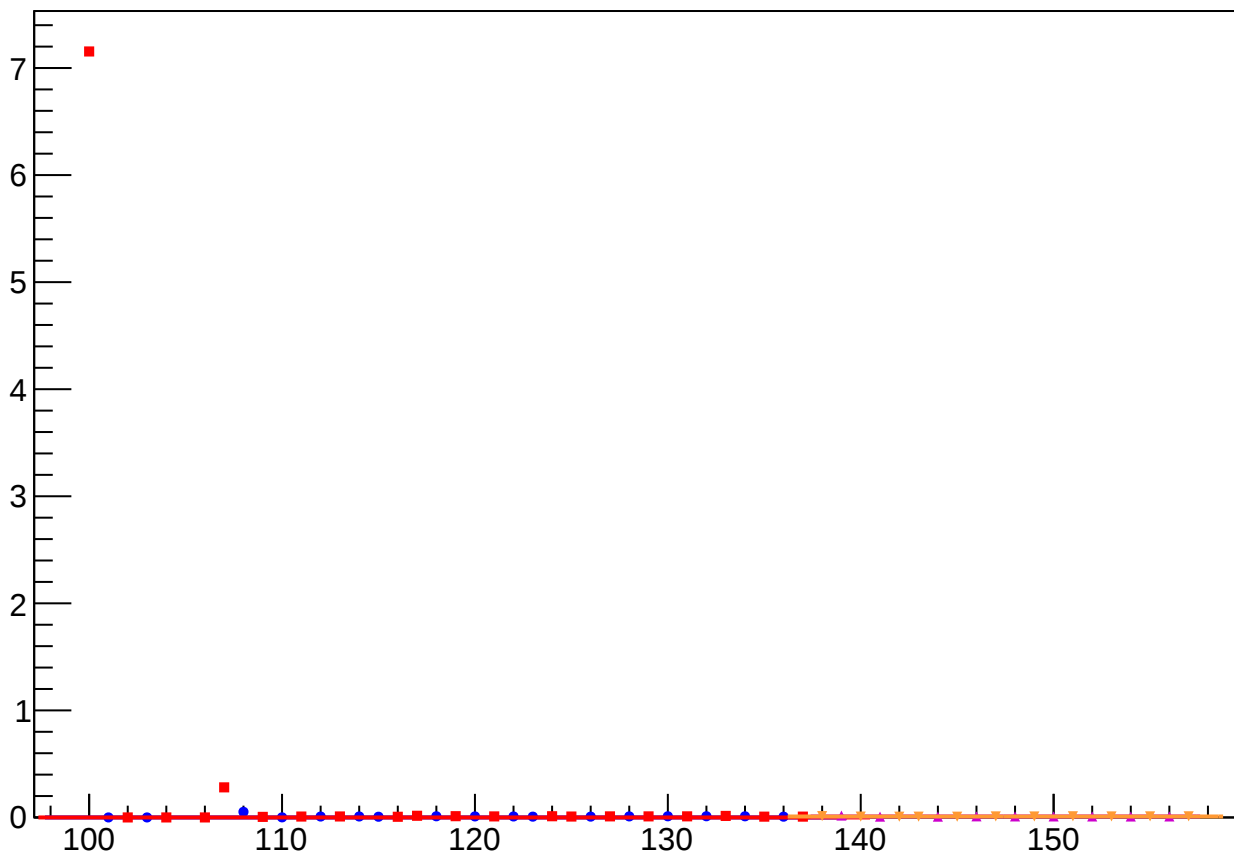
Left In: 0.038+/-0.000 χ^2/NDF : 59585610.6/8

-6.954+/-0.000 χ^2/NDF : 12531368357261.9/27

-5.884+/-0.000 χ^2/NDF : 43539895511094

-4.902+/-0.000 χ^2/NDF : 367014510474866.0/2

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8362763.6/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:374947.8/10

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8880914.4/19

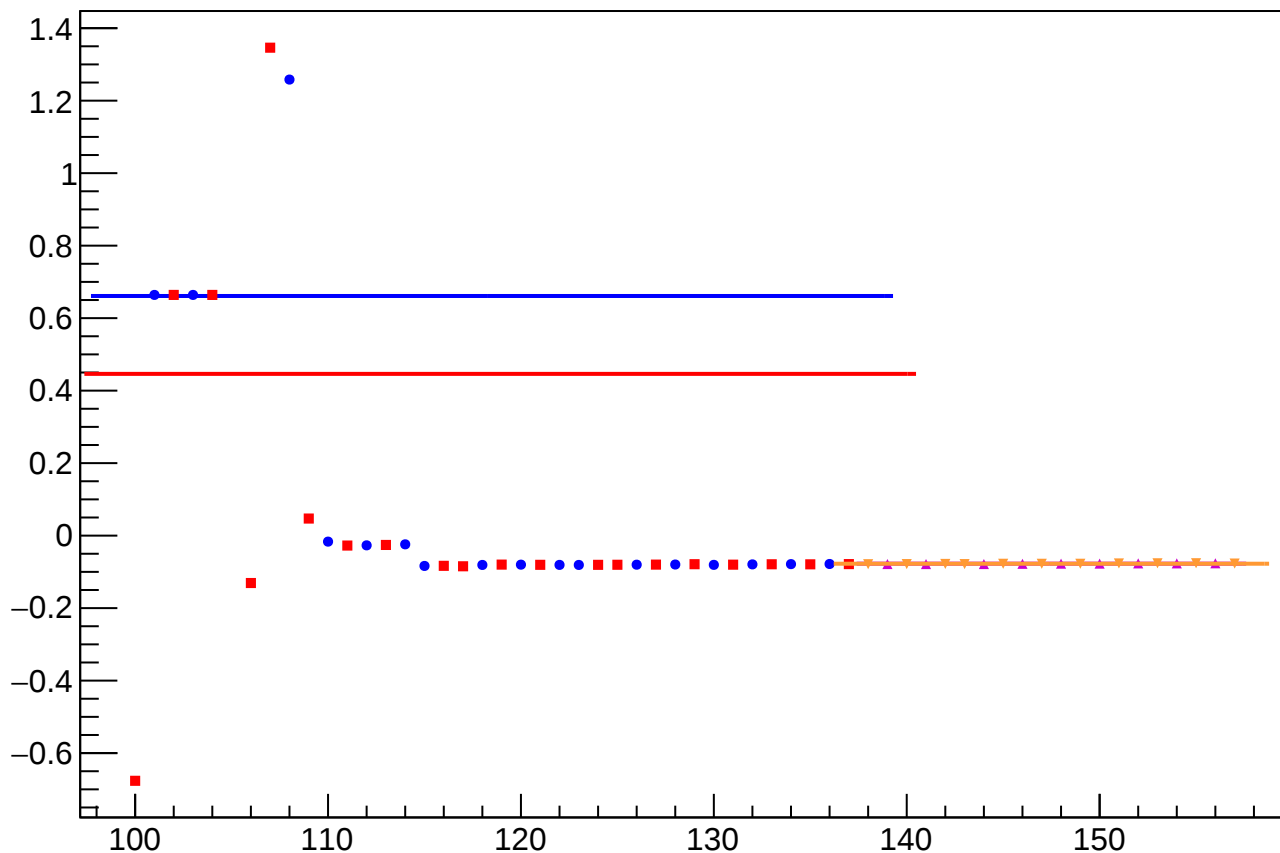
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:447412.8/8

0.000 $\pm$ 0.000 χ^2 /NDF: 20688051.1/27

0.000 $\pm$ 0.000 χ^2 /NDF: 40950817.1/56

0.000 $\pm$ 0.000 χ^2 /NDF: 20261009.0/28

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000 χ^2/NDF : 5678332616622.1/16

Left Out: -0.078+/-0.000 χ^2/NDF : 19007144.8/10

Right Out: 0.446+/-0.000 χ^2/NDF : 405434749783850.4/19

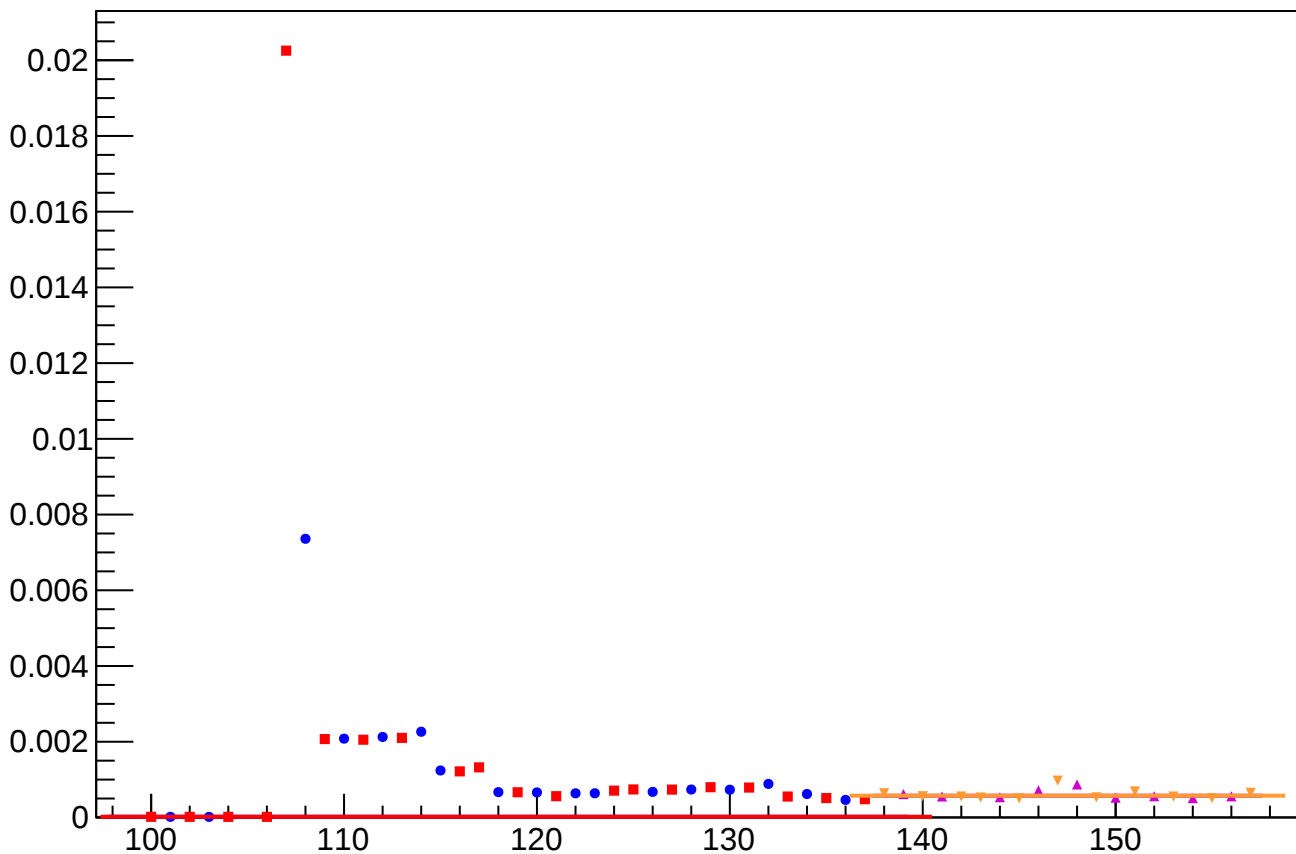
Left In: -0.077+/-0.000 χ^2/NDF : 14670891.9/8

0.655+/-0.000 χ^2/NDF : 18037510531469.2/27

0.544+/-0.000 χ^2/NDF : 49110328129595

0.442+/-0.000 χ^2/NDF : 411162342780145.7/28

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 :400543.5/10

Right Out: 0.000+/-0.000 χ^2/NDF : 9575039.3/19

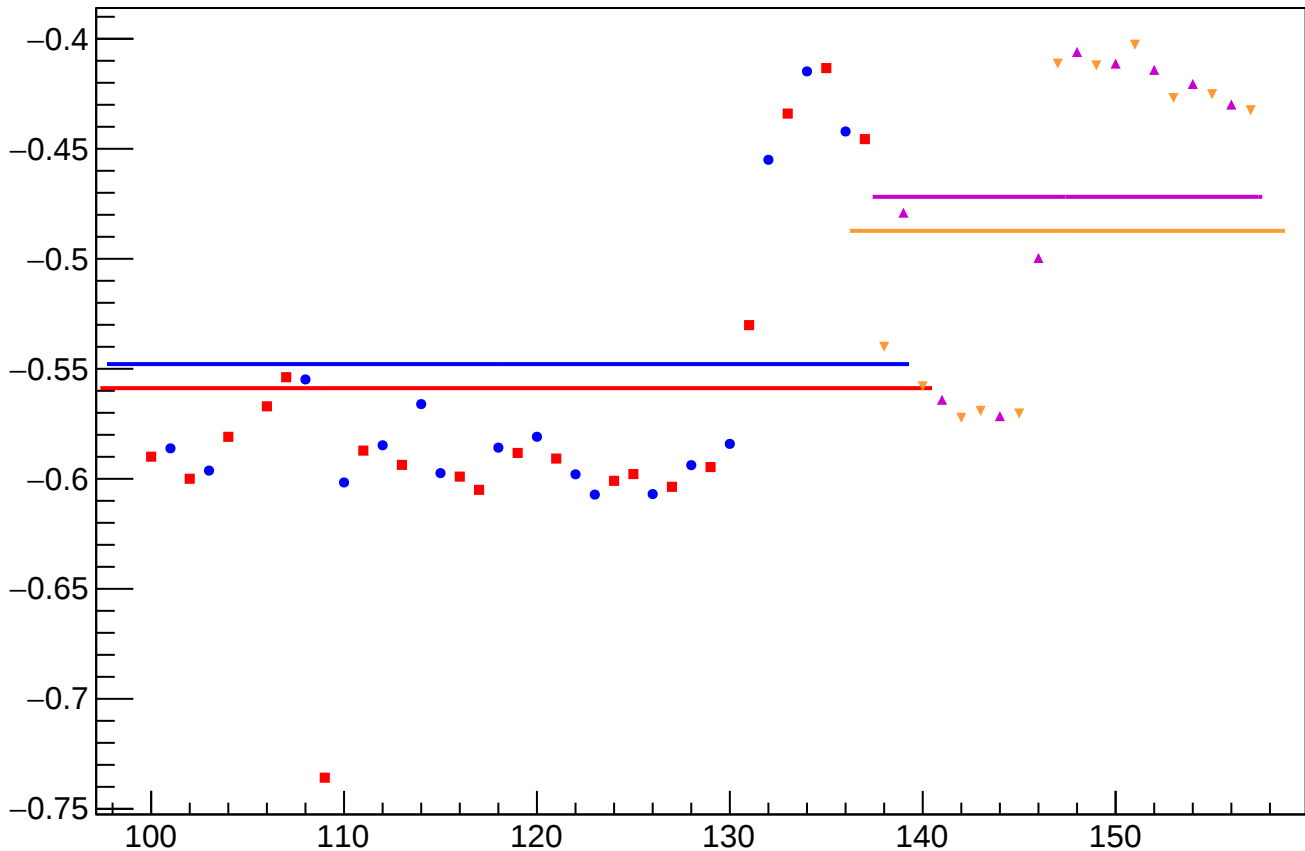
Left In: 0.001+/-0.000 χ^2/NDF :301371.6/8

0.000+/-0.000 χ^2/NDF : 24437995.4/27

0.000+/-0.000 χ^2/NDF : 47181635.7/56

0.000+/-0.000 χ^2/NDF : 22741677.9/28

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548+/-0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.487+/-0.000 χ^2/NDF : 84229461.1/10

Right Out: -0.559+/-0.000 χ^2/NDF : 65741796.4/19

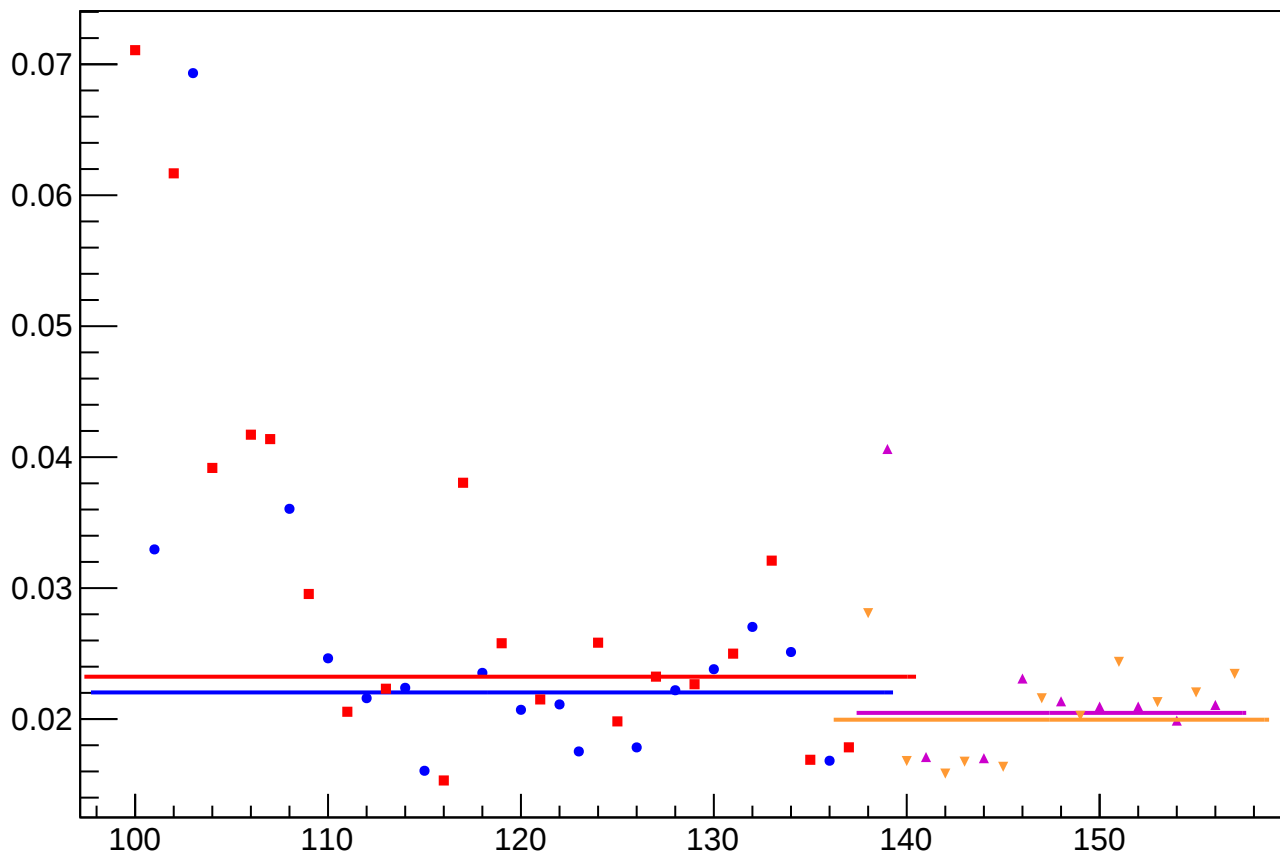
Left In: -0.472+/-0.000 χ^2/NDF : 63666617.3/8

-0.512+/-0.000 χ^2/NDF : 155861388.1/27

-0.510+/-0.000 χ^2/NDF : 328775434.9/56

-0.509+/-0.000 χ^2/NDF : 172797625.4/28

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 958966.6/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 359397.9/10

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1169205.3/19

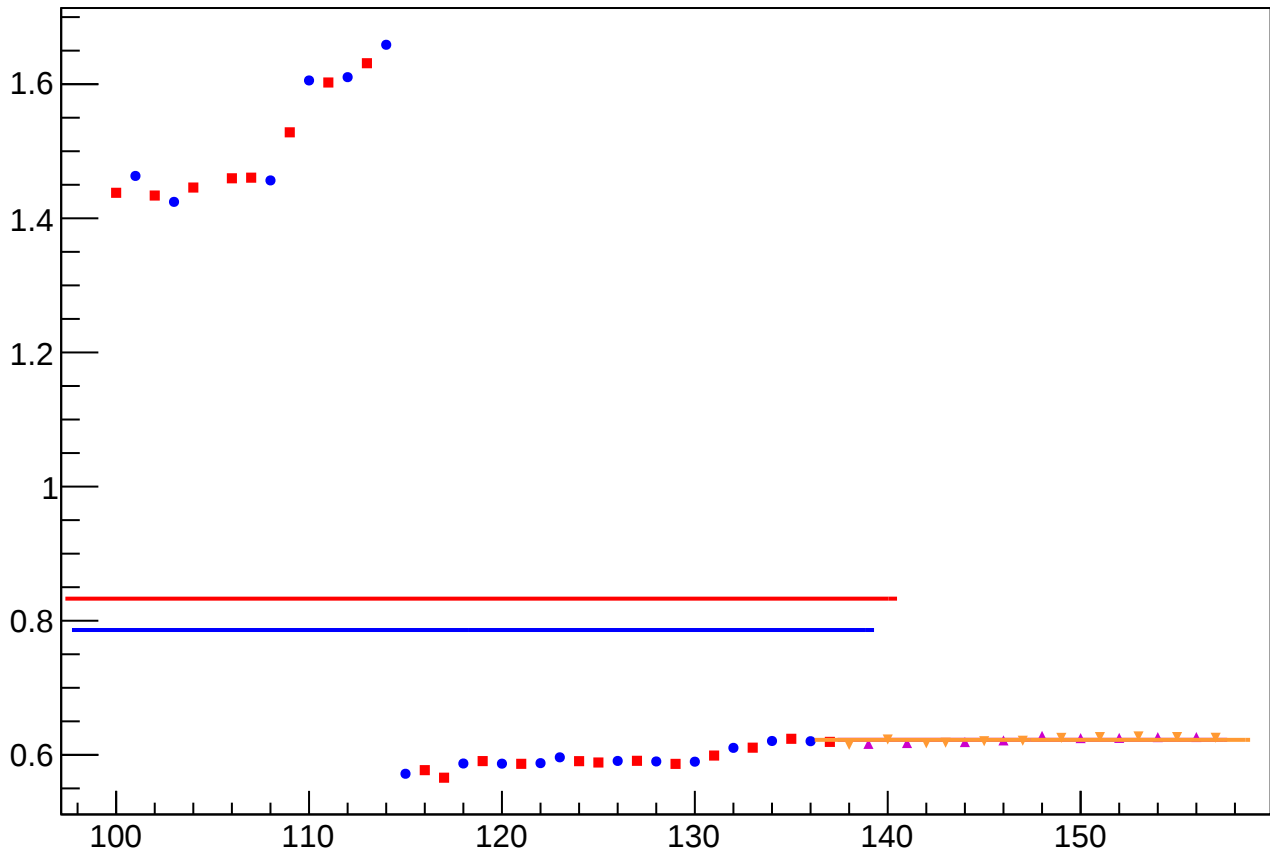
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 451989.6/8

0.021 $\pm$ 0.000 χ^2 /NDF: 1372873.8/27

0.021 $\pm$ 0.000 χ^2 /NDF: 3099612.4/56

0.022 $\pm$ 0.000 χ^2 /NDF: 1708813.2/28

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.786+/-0.000 χ^2/NDF : 3590113316.1/16

Left Out: 0.622+/-0.000 χ^2/NDF : 813433.3/10

Right Out: 0.833+/-0.000 χ^2/NDF : 4160348649.7/19

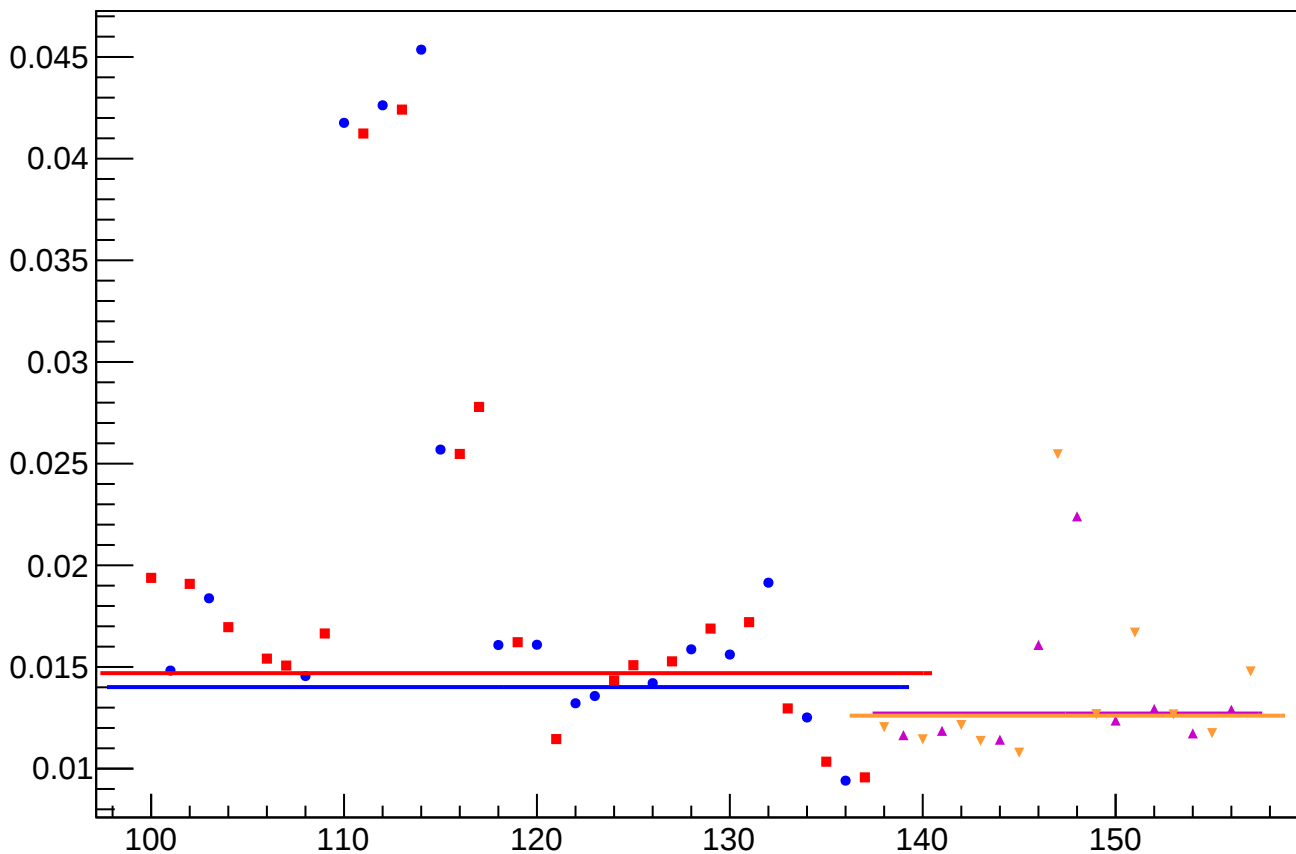
Left In: 0.622+/-0.000 χ^2/NDF : 691847.9/8

0.685+/-0.000 χ^2/NDF : 4072581626.4/27

0.695+/-0.000 χ^2/NDF : 8998317490.9/56

0.706+/-0.000 χ^2/NDF : 4908877870.9/28

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1404865.3/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:582543.4/10

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1280473.4/19

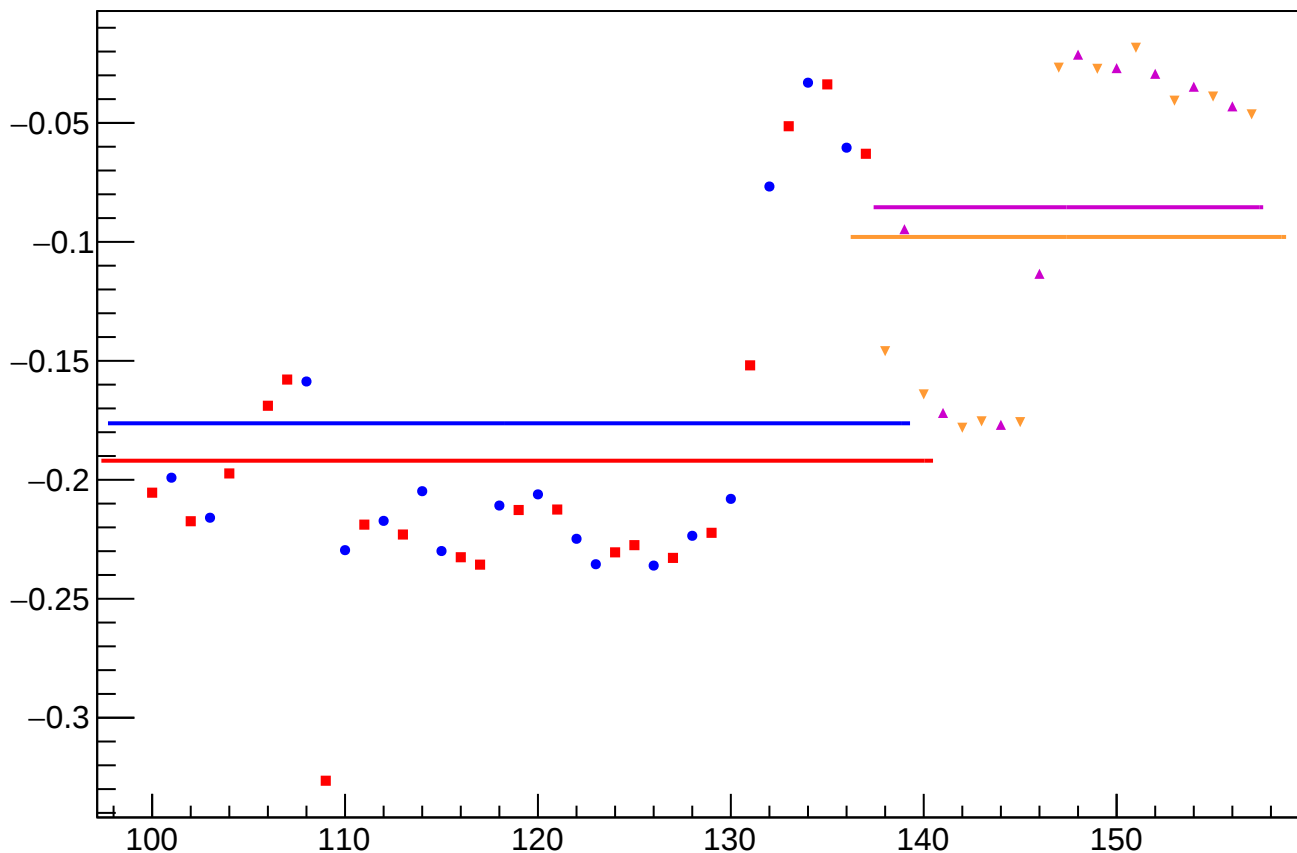
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:402812.1/8

0.013 $\pm$ 0.000 χ^2 /NDF: 2058275.9/27

0.013 $\pm$ 0.000 χ^2 /NDF: 3884105.2/56

0.013 $\pm$ 0.000 χ^2 /NDF: 1816375.6/28

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.098+/-0.000 χ^2/NDF : 81697352.0/10

Right Out: -0.192+/-0.000 χ^2/NDF : 83899255.4/19

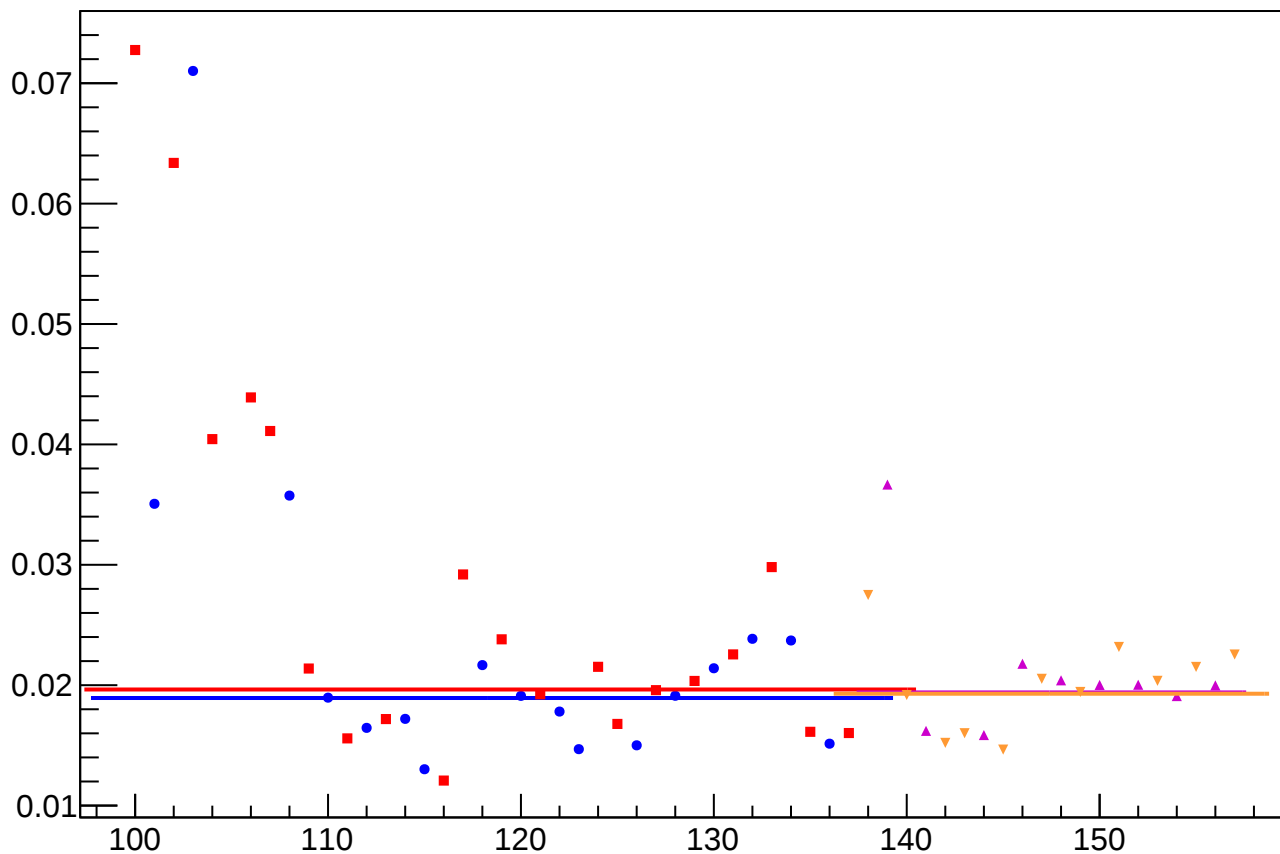
Left In: -0.085+/-0.000 χ^2/NDF : 64683983.7/8

-0.133+/-0.000 χ^2/NDF : 198799843.1/27

-0.134+/-0.000 χ^2/NDF : 428851044.5/56

-0.136+/-0.000 χ^2/NDF : 229972669.4/28

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.019+/-0.000 χ^2/NDF : 387743.7/10

Right Out: 0.020+/-0.000 χ^2/NDF : 1466285.9/19

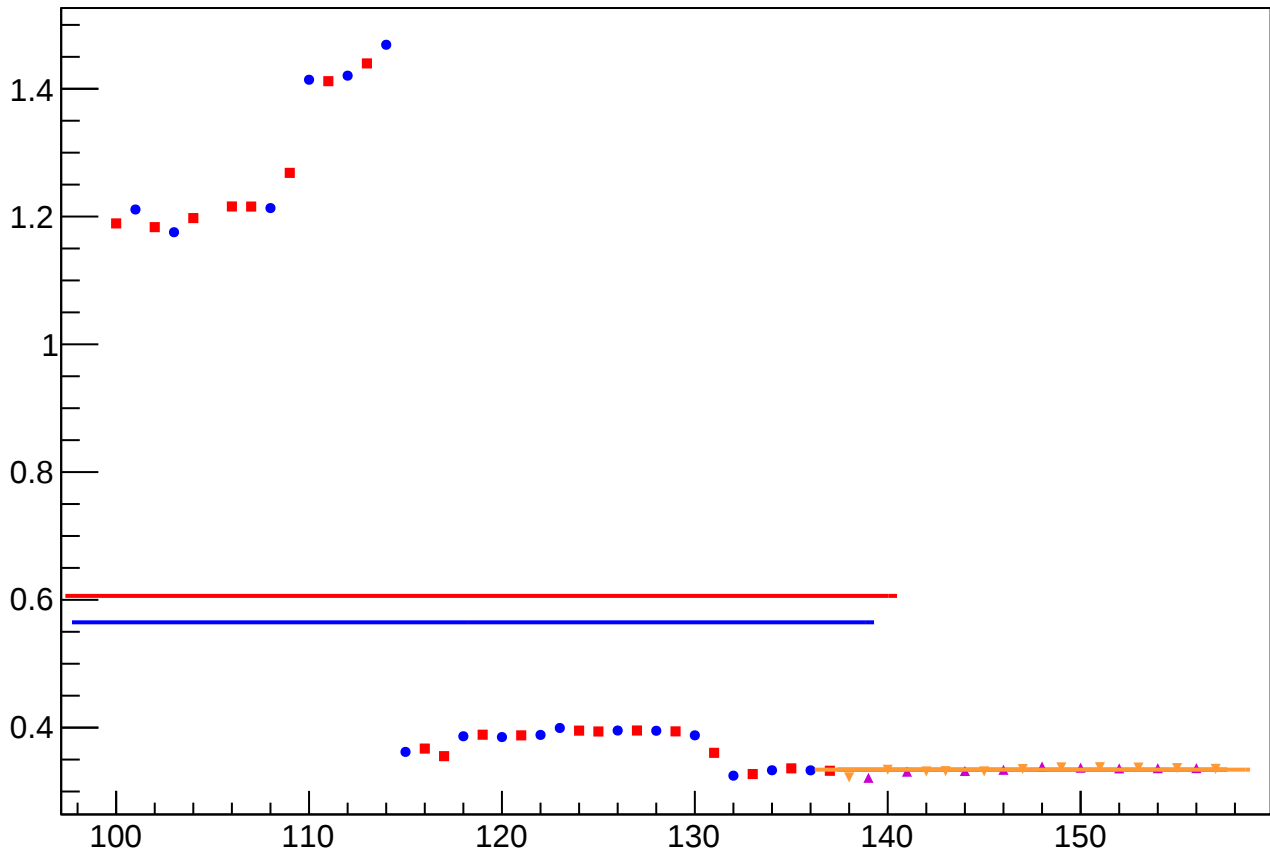
Left In: 0.019+/-0.000 χ^2/NDF : 431077.7/8

0.019+/-0.000 χ^2/NDF : 1595532.2/27

0.019+/-0.000 χ^2/NDF : 3498144.3/56

0.020+/-0.000 χ^2/NDF : 1898207.0/28

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.565+/-0.000 χ^2/NDF : 5030969499.3/16

Left Out: 0.334+/-0.000 χ^2/NDF : 968504.1/10

Right Out: 0.606+/-0.000 χ^2/NDF : 5517630064.2/19

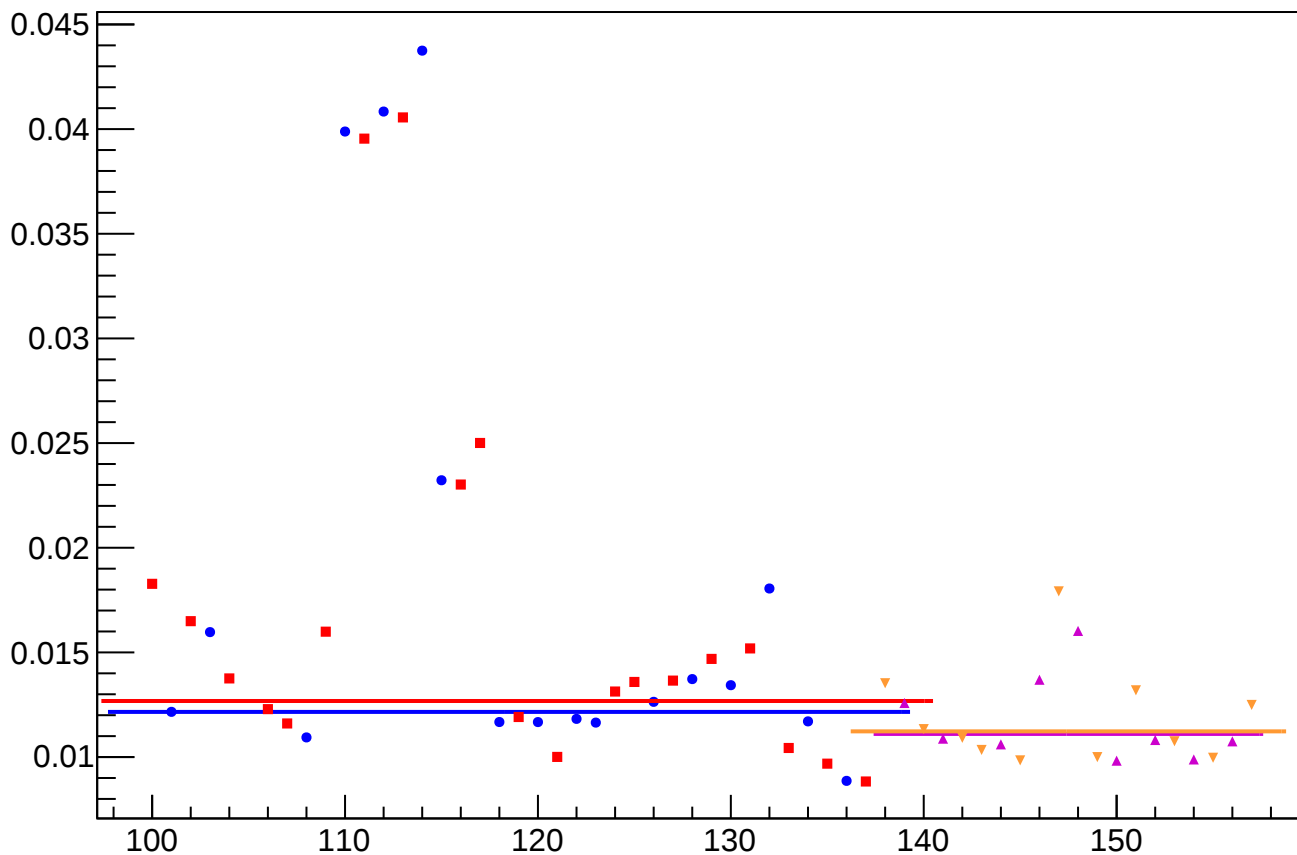
Left In: 0.334+/-0.000 χ^2/NDF : 1043052.9/8

0.424+/-0.000 χ^2/NDF : 6276341463.4/27

0.433+/-0.000 χ^2/NDF : 13455530416.0/5

0.442+/-0.000 χ^2/NDF : 7163798034.6/28

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 1309888.8/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 387317.0/10

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1289415.7/19

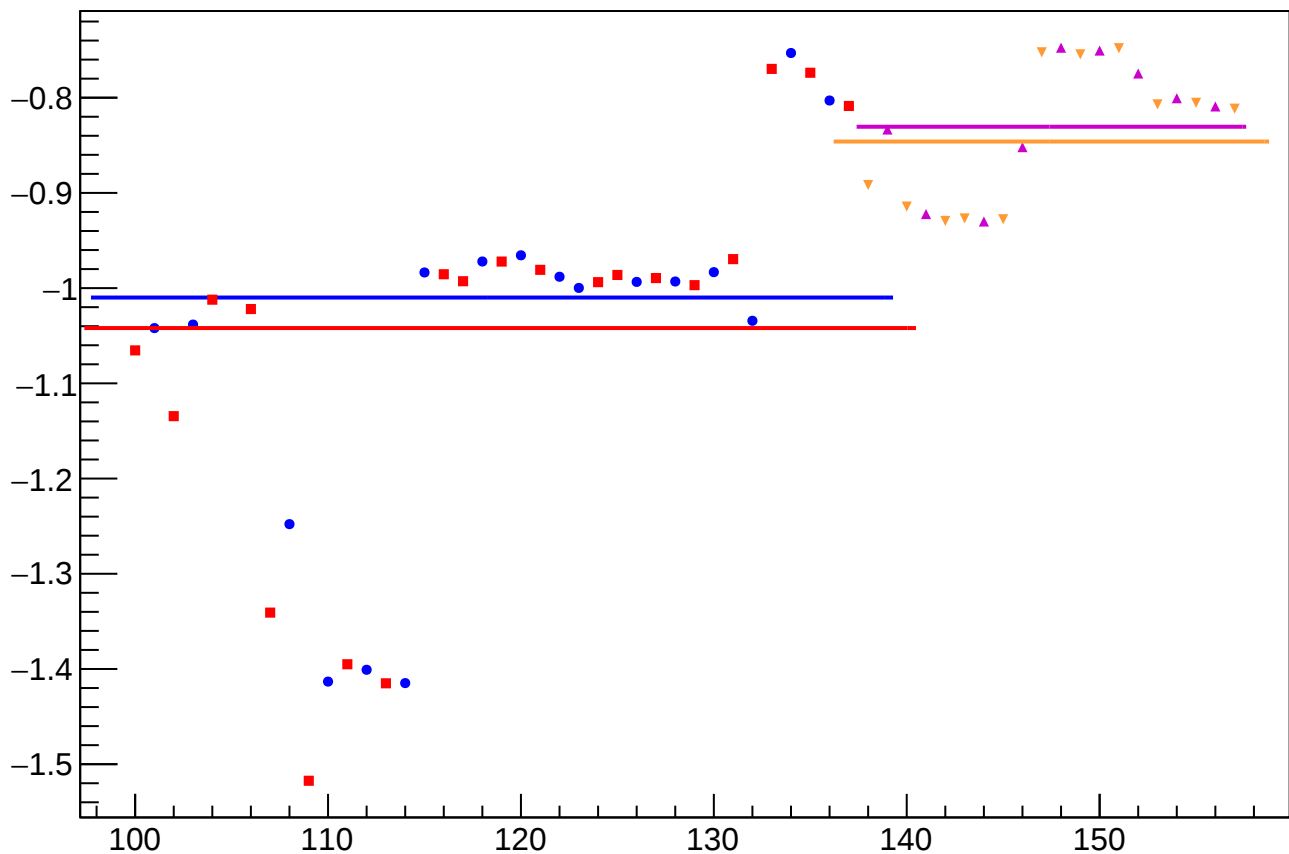
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 278038.8/8

0.012 $\pm$ 0.000 χ^2/NDF : 1737646.3/27

0.012 $\pm$ 0.000 χ^2/NDF : 3416993.0/56

0.012 $\pm$ 0.000 χ^2/NDF : 1677496.0/28

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.010 ± 0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.846 ± 0.000 χ^2/NDF : 89613842.7/10

Right Out: -1.042 ± 0.000 χ^2/NDF : 530175104.2/19

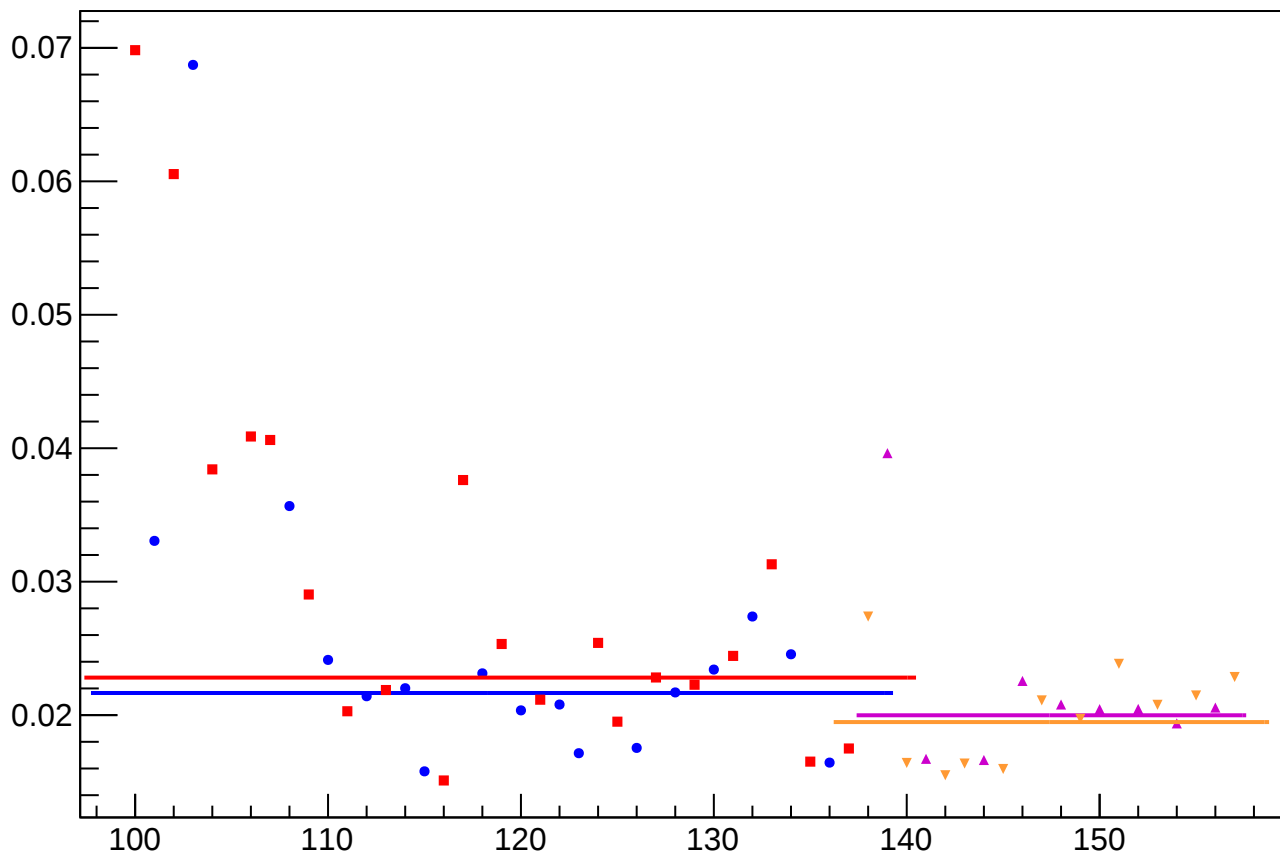
Left In: -0.831 ± 0.000 χ^2/NDF : 69186919.4/8

-0.911 ± 0.000 χ^2/NDF : 652632229.5/27

-0.915 ± 0.000 χ^2/NDF : 1519920911.3/50

-0.919 ± 0.000 χ^2/NDF : 866500129.1/28

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 983499.8/16

Left Out: 0.019+/-0.000 χ^2/NDF : 357325.1/10

Right Out: 0.023+/-0.000 χ^2/NDF : 1165116.5/19

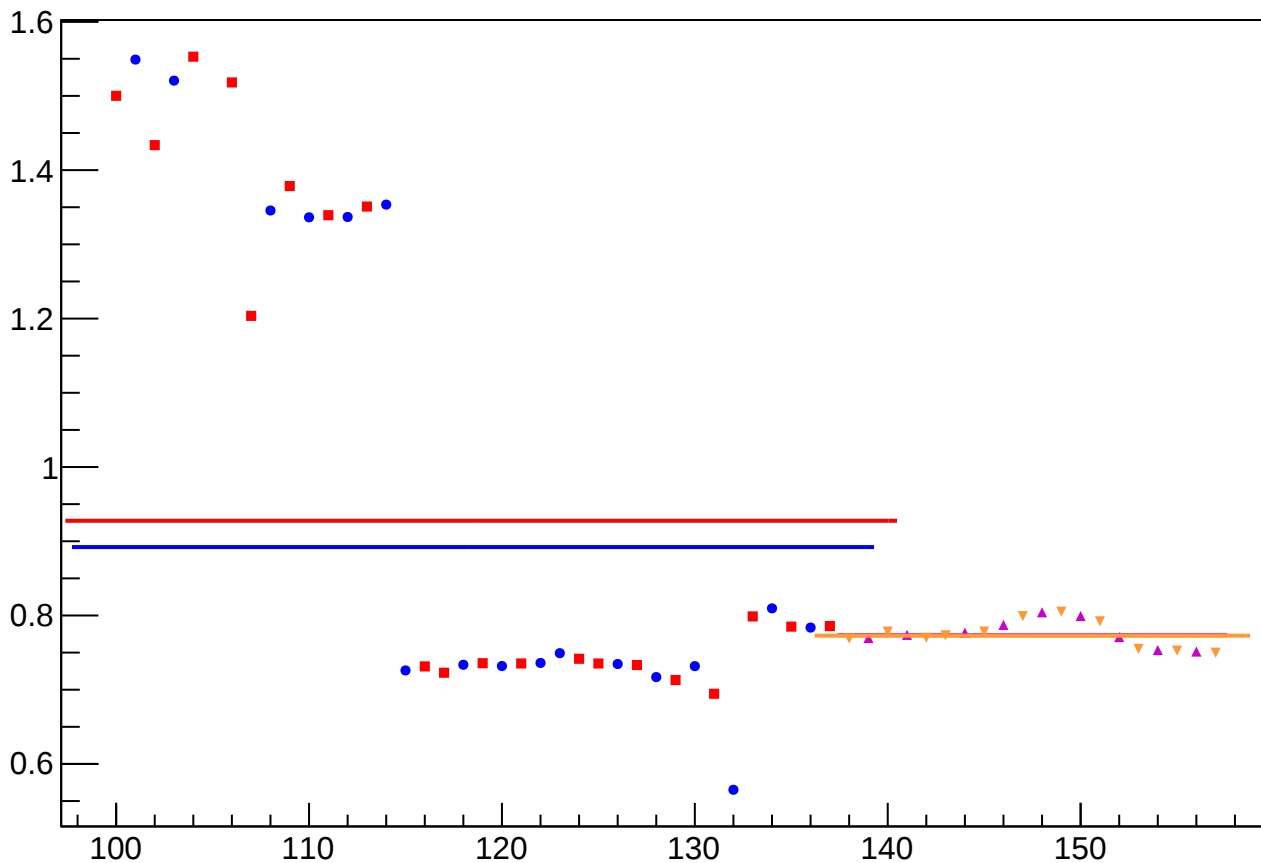
Left In: 0.020+/-0.000 χ^2/NDF : 449591.1/8

0.020+/-0.000 χ^2/NDF : 1402831.4/27

0.021+/-0.000 χ^2/NDF : 3130334.6/56

0.021+/-0.000 χ^2/NDF : 1709974.3/28

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.892+/-0.000 χ^2/NDF : 2413732173.6/16

Left Out: 0.773+/-0.000 χ^2/NDF :12961255.0/10

Right Out: 0.928+/-0.000 χ^2/NDF : 2439574936.7/19

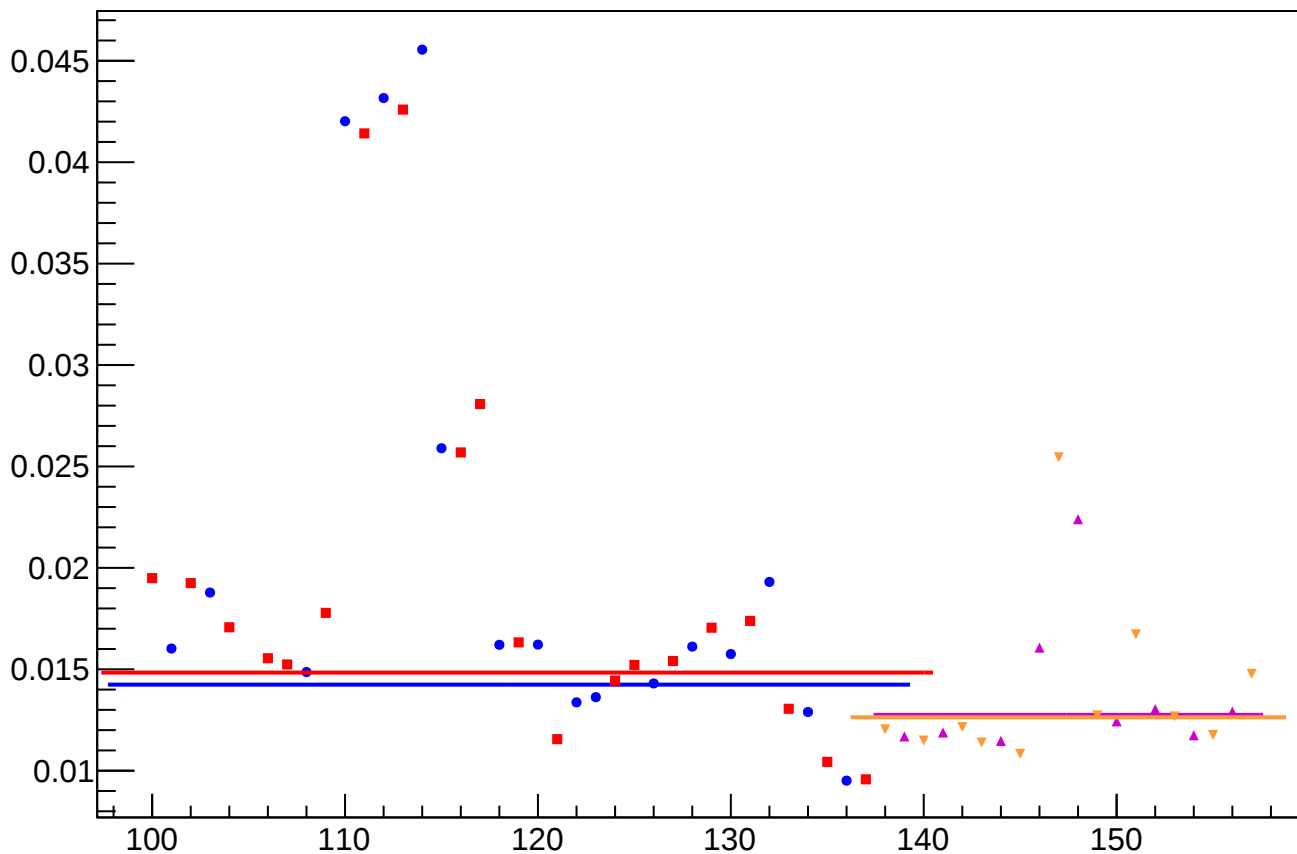
Left In: 0.773+/-0.000 χ^2/NDF :10549655.4/8

0.817+/-0.000 χ^2/NDF : 2676136830.5/27

0.825+/-0.000 χ^2/NDF : 5531121498.9/56

0.834+/-0.000 χ^2/NDF : 2844710588.4/28

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1415681.3/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 578000.4/10

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1291174.0/19

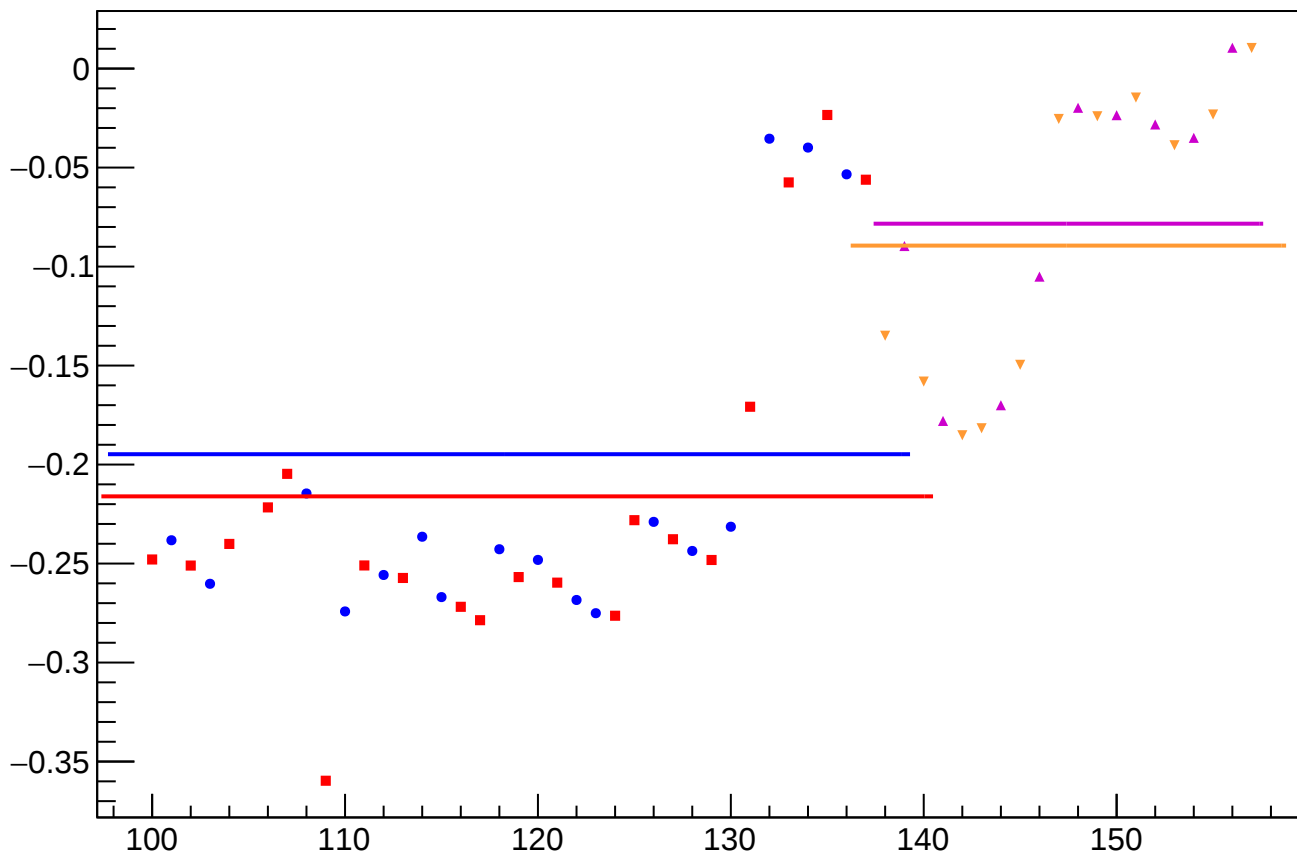
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 398565.8/8

0.013 $\pm$ 0.000 χ^2 /NDF: 2084389.5/27

0.013 $\pm$ 0.000 χ^2 /NDF: 3926894.6/56

0.014 $\pm$ 0.000 χ^2 /NDF: 1834142.1/28

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.089+/-0.000 χ^2/NDF : 90079912.9/10

Right Out: -0.216+/-0.000 χ^2/NDF : 112167032.2/19

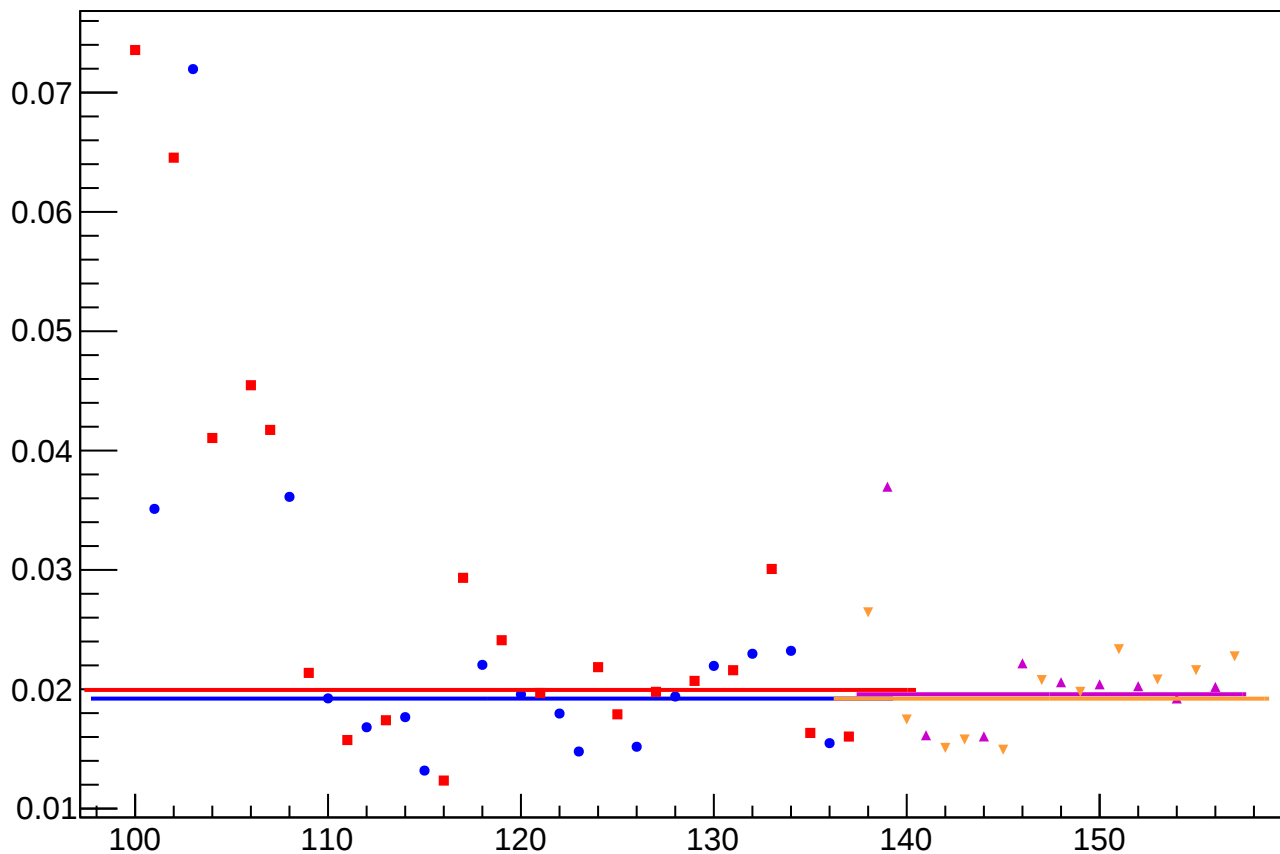
Left In: -0.078+/-0.000 χ^2/NDF : 74763119.8/8

-0.136+/-0.000 χ^2/NDF : 282435089.6/27

-0.139+/-0.000 χ^2/NDF : 602505109.2/56

-0.143+/-0.000 χ^2/NDF : 319455910.8/28

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1177085.4/16

Left Out: 0.019+/-0.000 χ^2/NDF : 384760.5/10

Right Out: 0.020+/-0.000 χ^2/NDF : 1455211.7/19

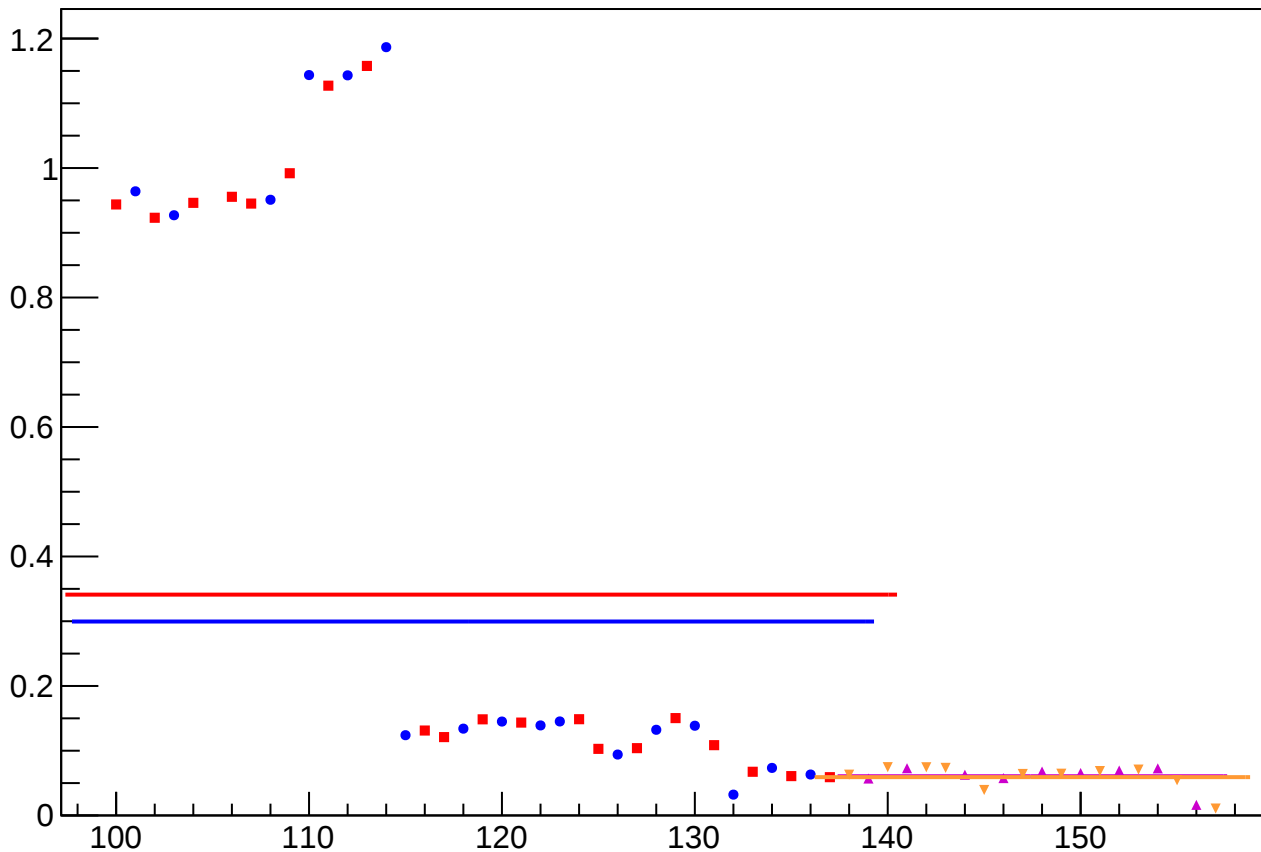
Left In: 0.020+/-0.000 χ^2/NDF : 439422.6/8

0.019+/-0.000 χ^2/NDF : 1561846.2/27

0.019+/-0.000 χ^2/NDF : 3466725.1/56

0.020+/-0.000 χ^2/NDF : 1896459.0/28

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.300 $\pm$ 0.000 χ^2 /NDF: 5165052137.6/16

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 20165026.6/10

Right Out: 0.341 $\pm$ 0.000 χ^2 /NDF: 5453748737.7/19

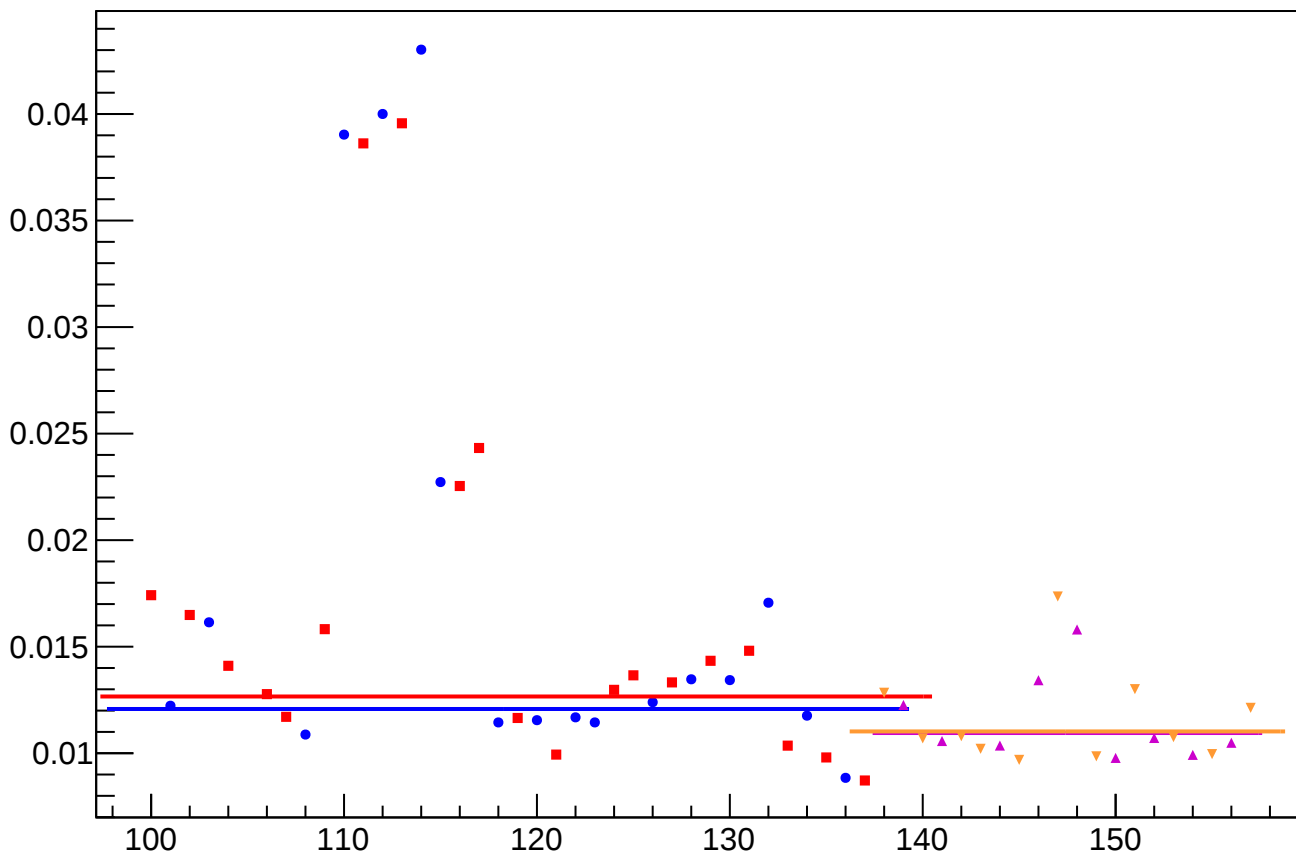
Left In: 0.061 $\pm$ 0.000 χ^2 /NDF: 17042236.6/8

0.151 $\pm$ 0.000 χ^2 /NDF: 6569877941.0/27

0.160 $\pm$ 0.000 χ^2 /NDF: 13830687676.7/5

0.170 $\pm$ 0.000 χ^2 /NDF: 7244015154.4/28

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1282097.7/16

Left Out: 0.011+/-0.000 χ^2/NDF : 352175.8/10

Right Out: 0.013+/-0.000 χ^2/NDF : 1255391.1/19

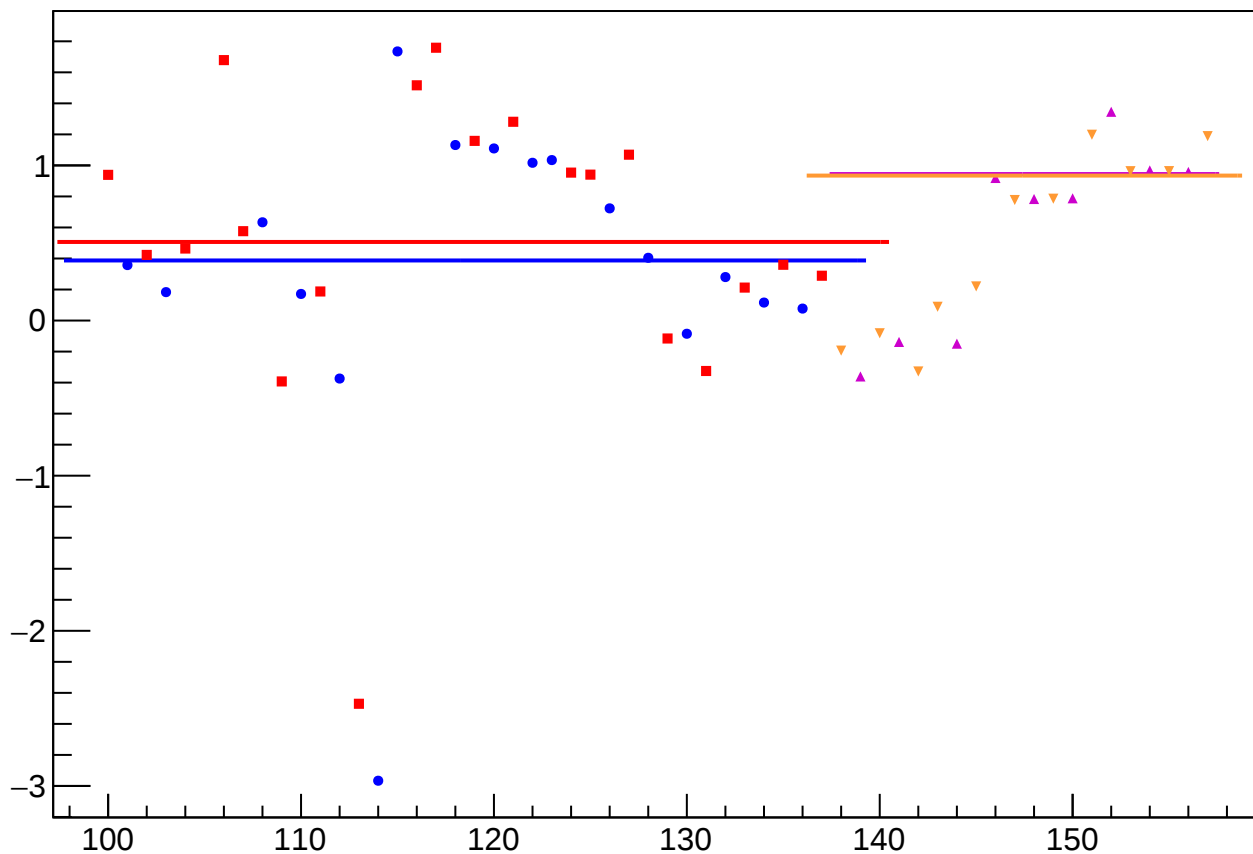
Left In: 0.011+/-0.000 χ^2/NDF : 265034.3/8

0.011+/-0.000 χ^2/NDF : 1687418.7/27

0.012+/-0.000 χ^2/NDF : 3343843.8/56

0.012+/-0.000 χ^2/NDF : 1652911.7/28

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.387 ± 0.000 $\chi^2/\text{NDF}: 247912593.5/16$

Left Out: 0.934 ± 0.000 $\chi^2/\text{NDF}: 862154884.2/10$

Right Out: 0.507 ± 0.000 $\chi^2/\text{NDF}: 995347030.4/19$

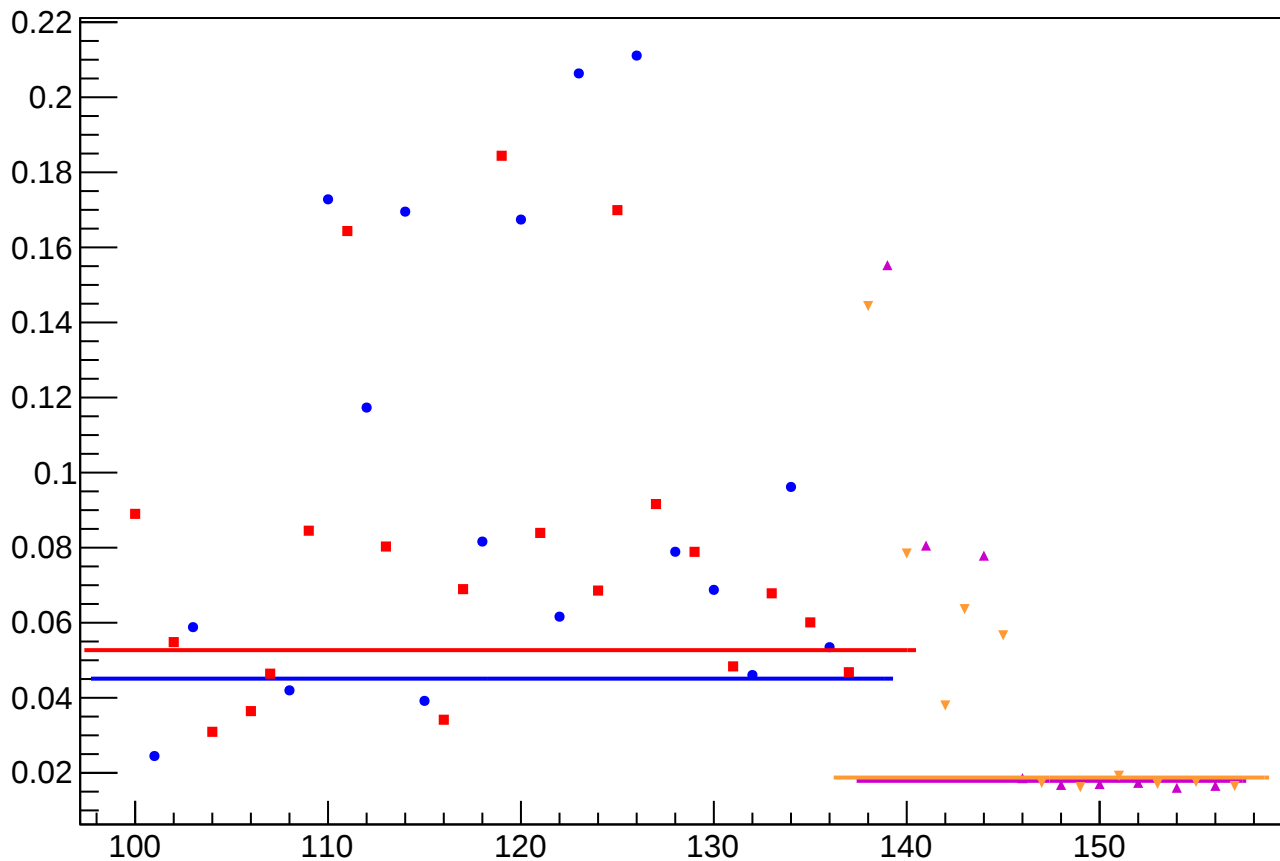
Left In: 0.944 ± 0.000 $\chi^2/\text{NDF}: 745457917.6/8$

0.875 ± 0.000 $\chi^2/\text{NDF}: 1576896985.8/27$

0.890 ± 0.000 $\chi^2/\text{NDF}: 3585071176.0/56$

0.904 ± 0.000 $\chi^2/\text{NDF}: 2001580851.4/28$

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF : 2846218.9/16

Left Out: 0.019+/-0.000 χ^2/NDF : 2558309.5/10

Right Out: 0.053+/-0.000 χ^2/NDF : 2194555.4/19

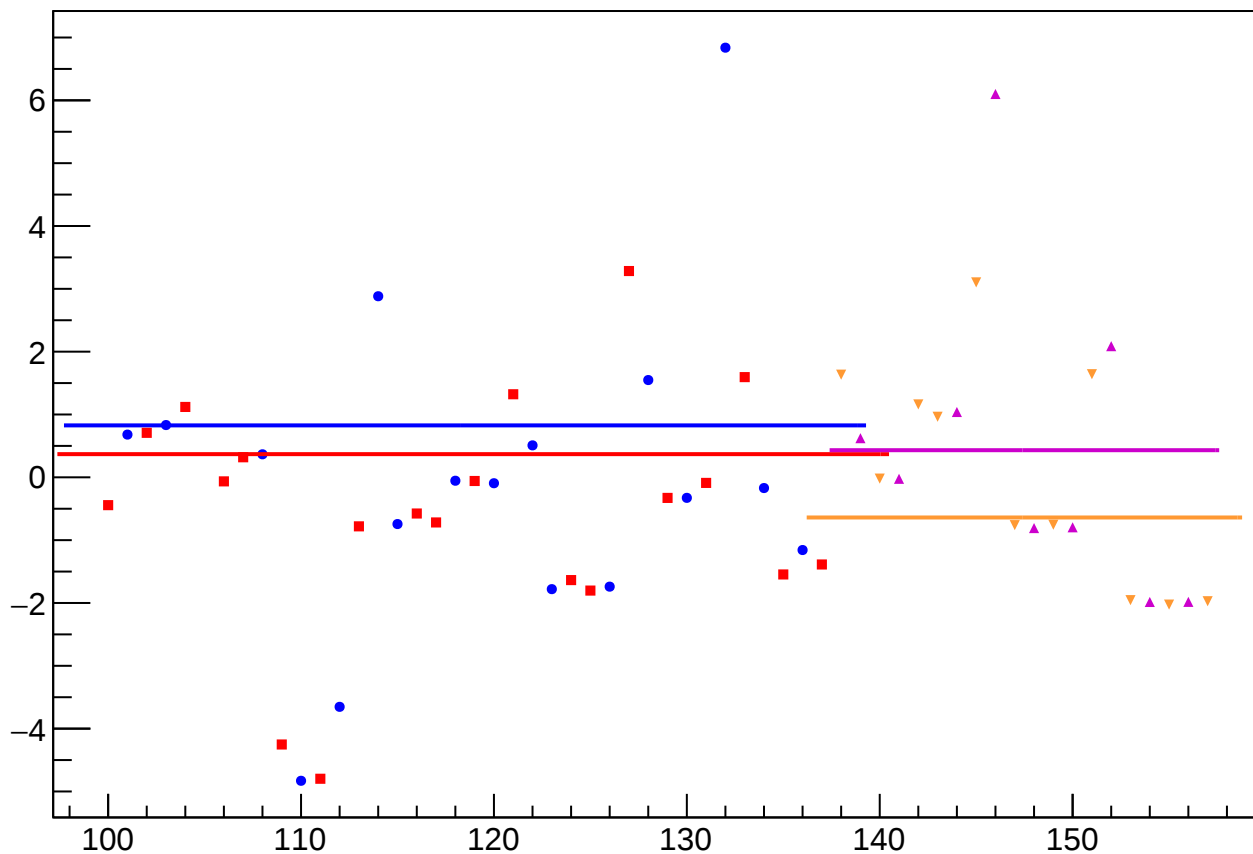
Left In: 0.018+/-0.000 χ^2/NDF : 2180980.3/8

0.022+/-0.000 χ^2/NDF : 7570804.8/27

0.021+/-0.000 χ^2/NDF : 15250660.8/56

0.021+/-0.000 χ^2/NDF : 7675864.0/28

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.827+/-0.000 χ^2/NDF : 10936458870.4/16

Left Out: -0.639+/-0.000 χ^2/NDF : 70913336144.2/10

Right Out: 0.369+/-0.000 χ^2/NDF : 4985860510.0/19

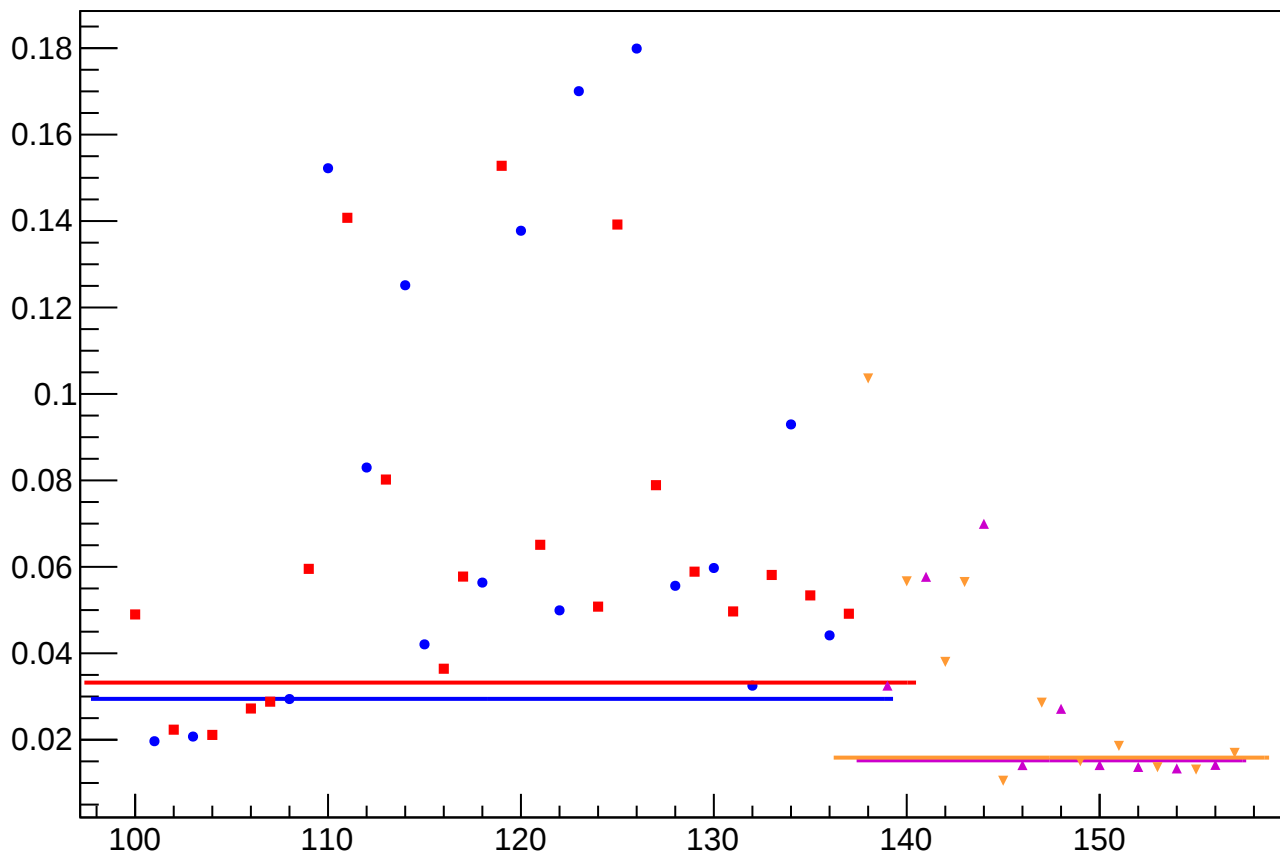
Left In: 0.432+/-0.000 χ^2/NDF : 179808855142.4/8

-0.408+/-0.000 χ^2/NDF : 88971092493.6/27

0.011+/-0.000 χ^2/NDF : 282454263454.0/10

0.423+/-0.000 χ^2/NDF : 184806637679.8/28

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.016+/-0.000 χ^2/NDF : 2525373.2/10

Right Out: 0.033+/-0.000 χ^2/NDF : 3110014.7/19

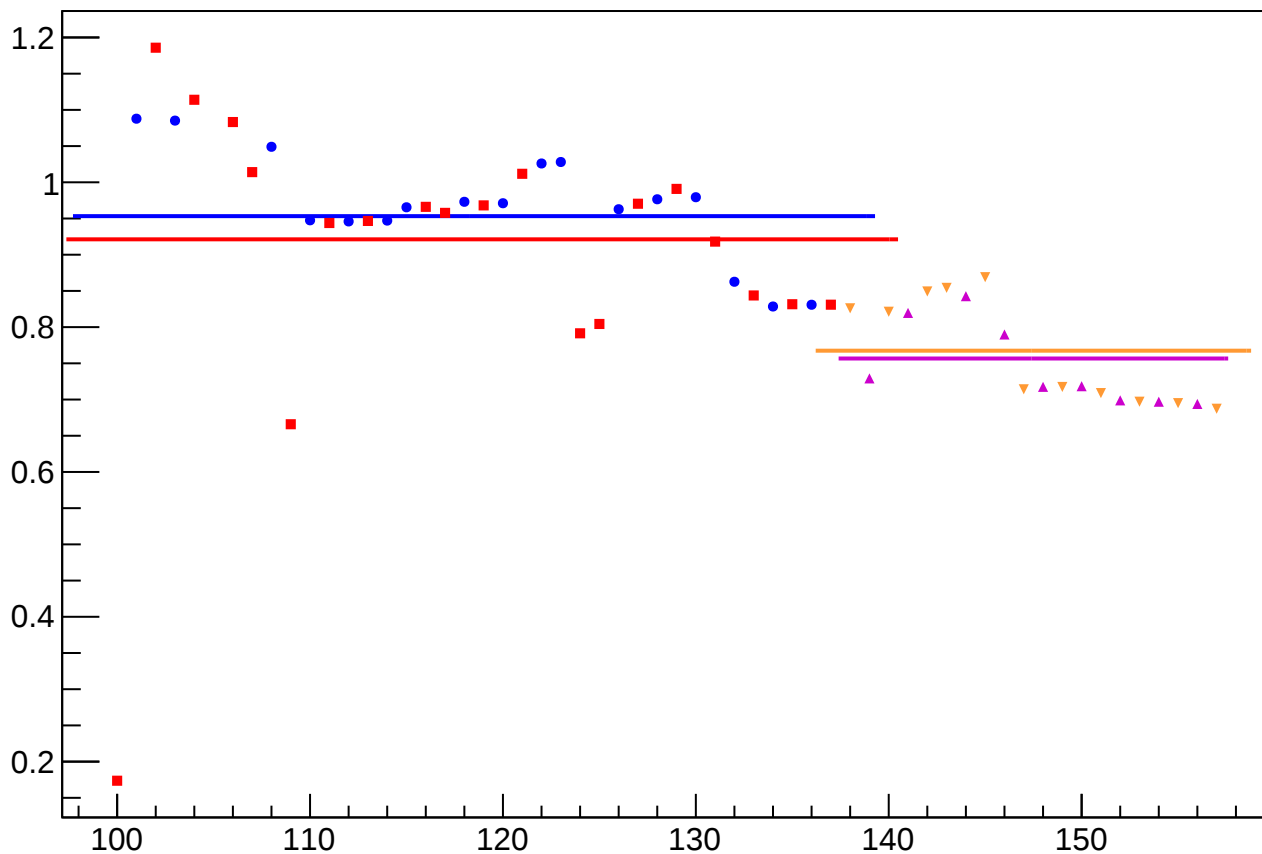
Left In: 0.015+/-0.000 χ^2/NDF : 1660212.4/8

0.018+/-0.000 χ^2/NDF : 6803622.6/27

0.018+/-0.000 χ^2/NDF : 13531581.7/56

0.018+/-0.000 χ^2/NDF : 6725965.8/28

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953+/-0.000 χ^2/NDF : 175396553.4/16

Left Out: 0.767+/-0.000 χ^2/NDF : 200308036.7/10

Right Out: 0.921+/-0.000 χ^2/NDF : 374376205.4/19

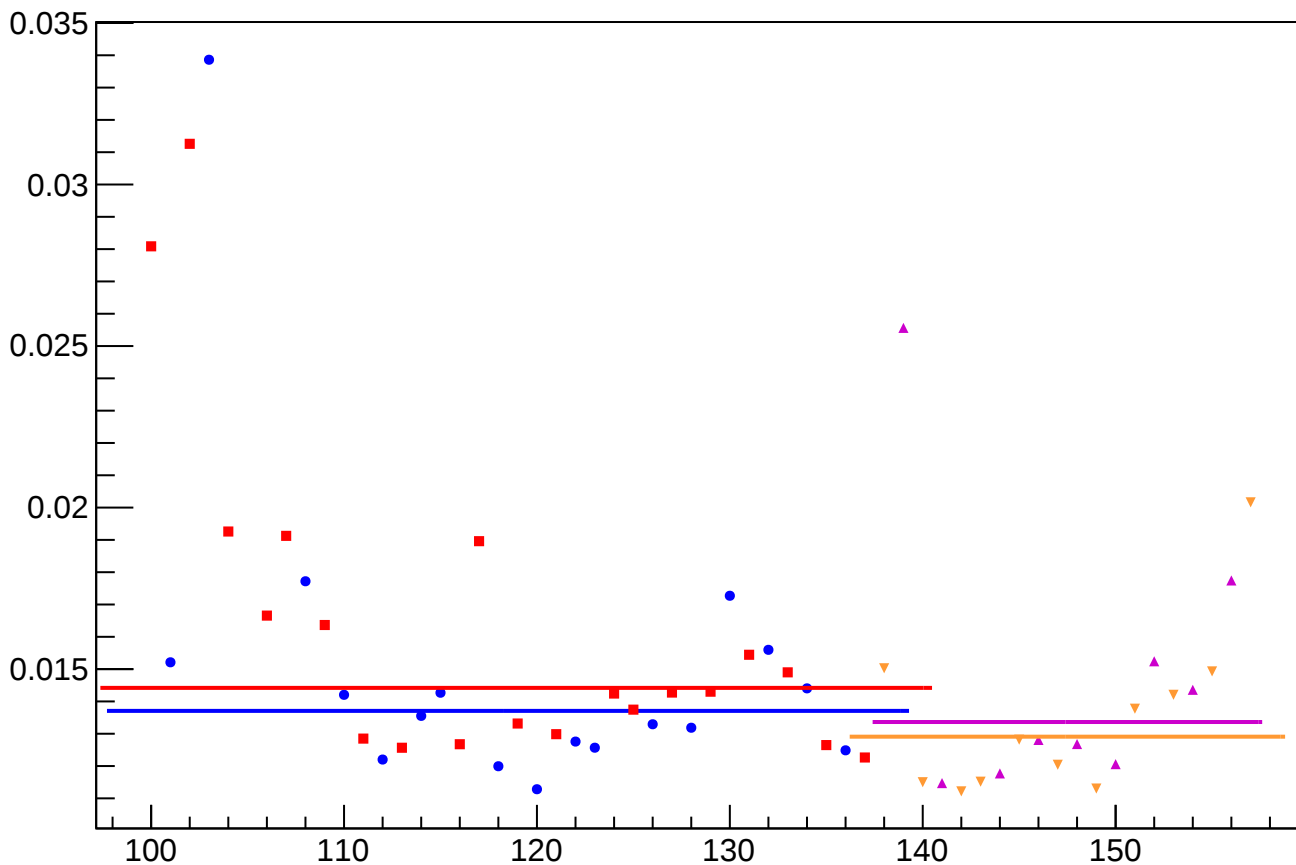
Left In: 0.757+/-0.000 χ^2/NDF : 115347054.5/8

0.847+/-0.000 χ^2/NDF : 985893706.6/27

0.840+/-0.000 χ^2/NDF : 1919942073.0/56

0.831+/-0.000 χ^2/NDF : 925524557.2/28

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 546317.6/16

Left Out: 0.013+/-0.000 χ^2/NDF : 311133.3/10

Right Out: 0.014+/-0.000 χ^2/NDF : 506553.4/19

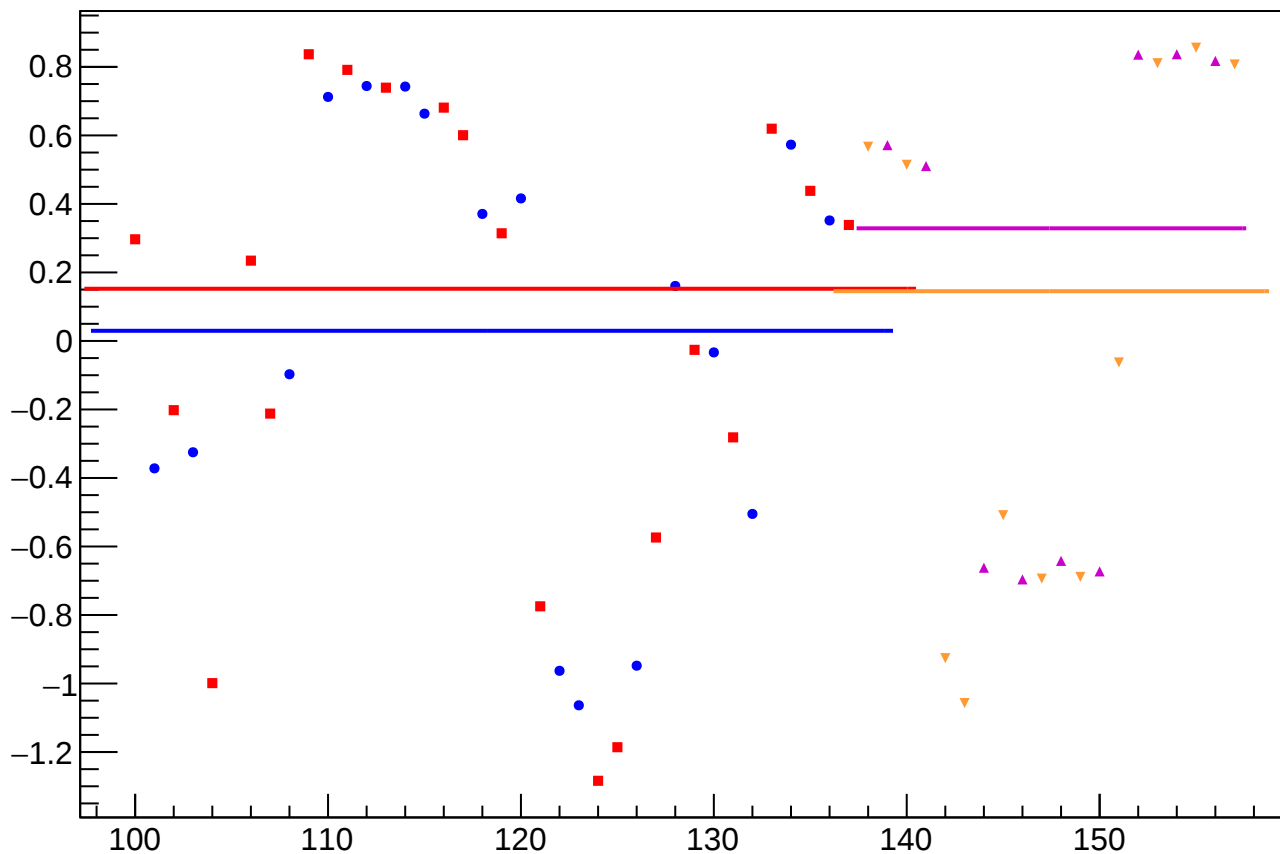
Left In: 0.013+/-0.000 χ^2/NDF : 504068.3/8

0.013+/-0.000 χ^2/NDF : 879979.9/27

0.014+/-0.000 χ^2/NDF : 1950403.7/56

0.014+/-0.000 χ^2/NDF : 1046551.3/28

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000 χ^2/NDF : 6294824795.0/16

Left Out: 0.145 $\pm$ 0.000 χ^2/NDF : 22389861004.5/10

Right Out: 0.152 $\pm$ 0.000 χ^2/NDF : 12673501089.9/19

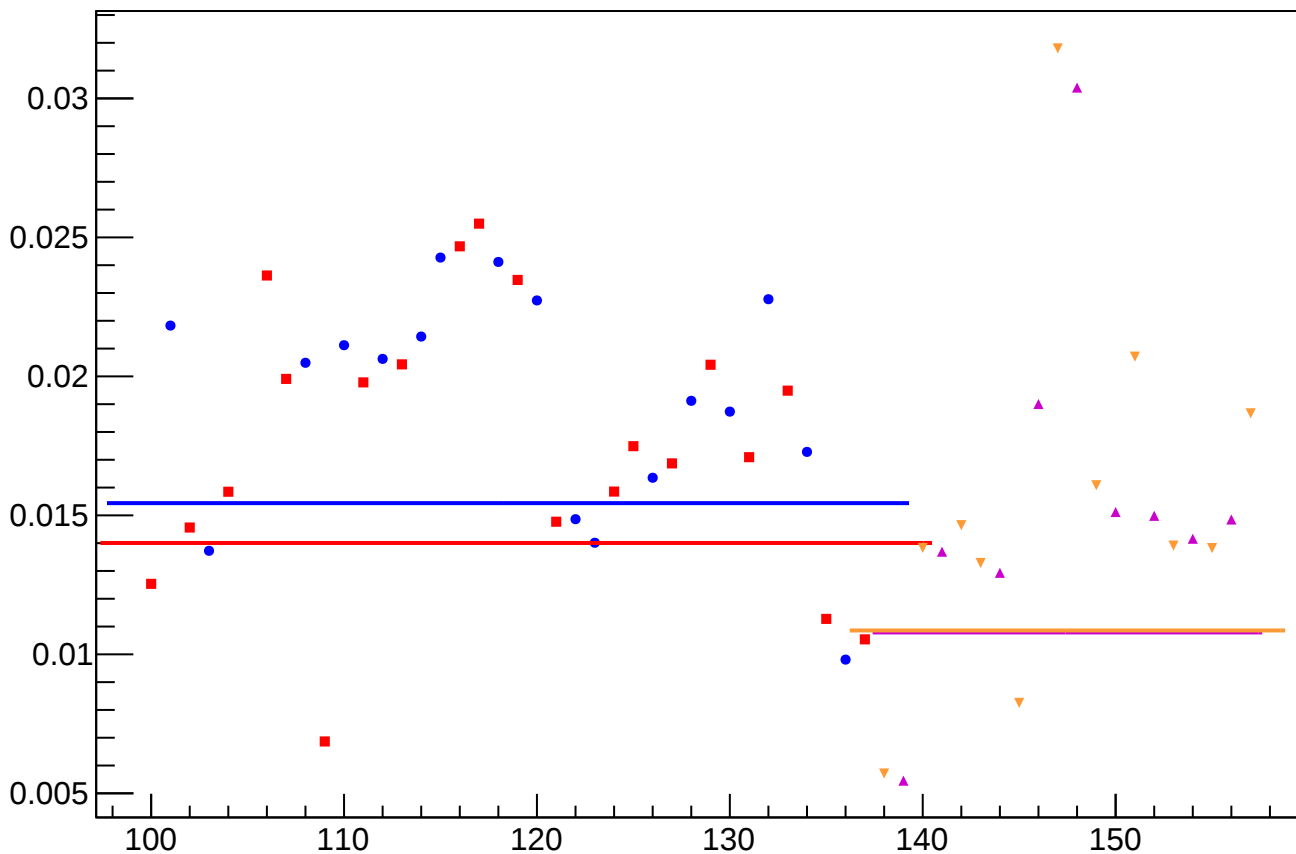
Left In: 0.329 $\pm$ 0.000 χ^2/NDF : 15565596206.3/8

0.109 $\pm$ 0.000 χ^2/NDF : 28902288539.5/27

0.186 $\pm$ 0.000 χ^2/NDF : 58596796540.8/5

0.263 $\pm$ 0.000 χ^2/NDF : 28796751776.1/28

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015 ± 0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.011 ± 0.000 χ^2/NDF : 2778546.1/10

Right Out: 0.014 ± 0.000 χ^2/NDF : 1576149.9/19

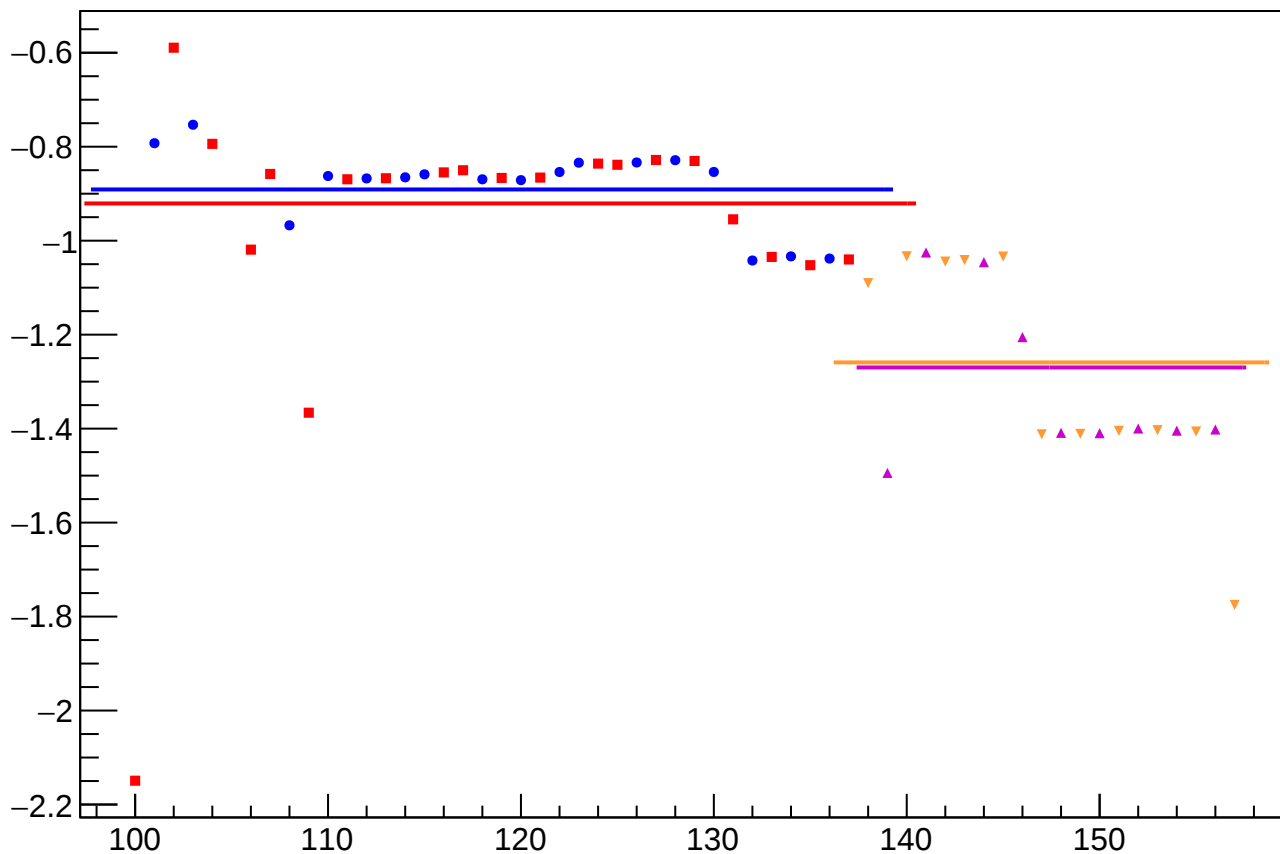
Left In: 0.011 ± 0.000 χ^2/NDF : 2686571.2/8

0.012 ± 0.000 χ^2/NDF : 4623825.0/27

0.012 ± 0.000 χ^2/NDF : 9264999.3/56

0.012 ± 0.000 χ^2/NDF : 4634320.8/28

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.891+/-0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.259+/-0.000 χ^2/NDF : 260879242.2/10

Right Out: -0.921+/-0.000 χ^2/NDF : 131271770.4/19

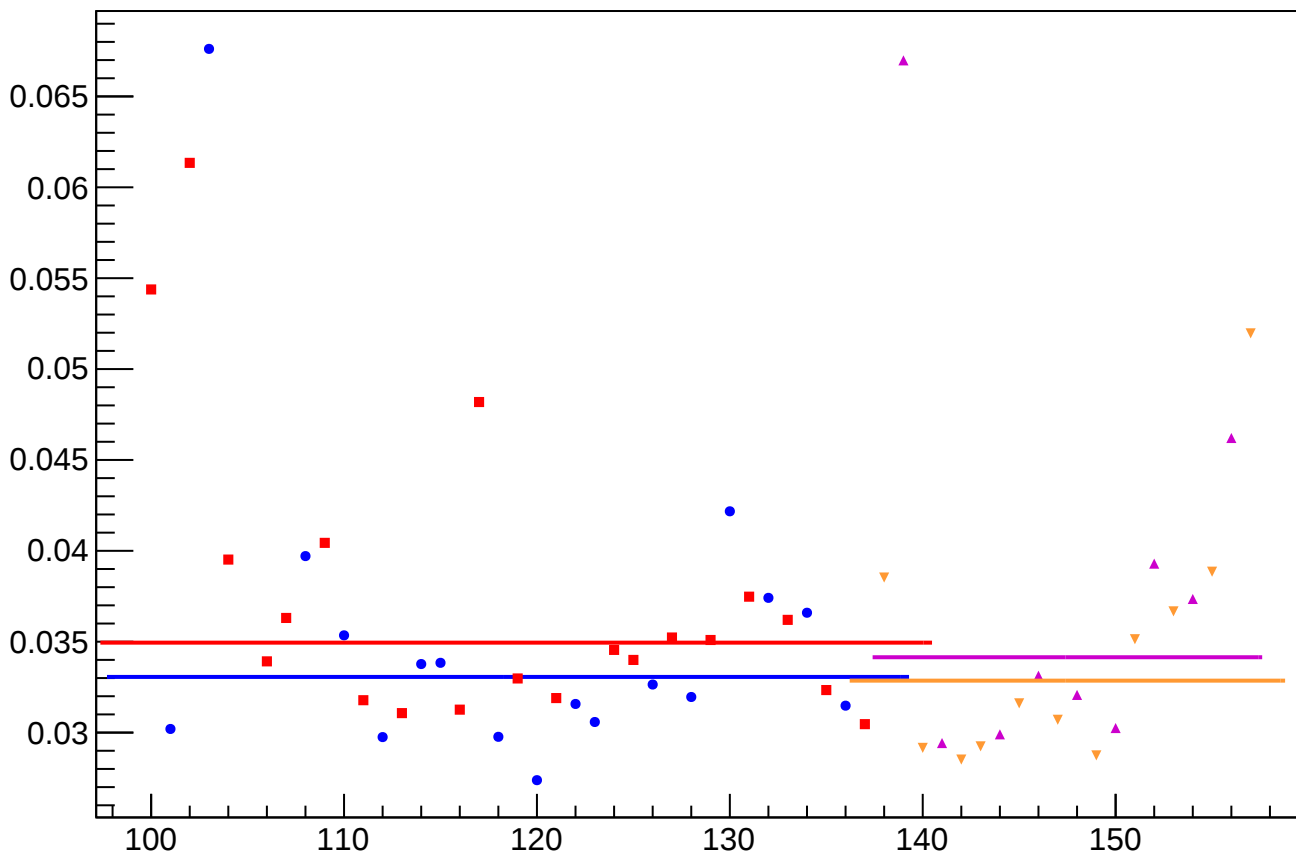
Left In: -1.270+/-0.000 χ^2/NDF : 155142219.2/8

-1.090+/-0.000 χ^2/NDF : 693214789.9/27

-1.095+/-0.000 χ^2/NDF : 1298741103.0/50

-1.101+/-0.000 χ^2/NDF : 604855824.0/28

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 409286.7/16

Left Out: 0.033+/-0.000 χ^2/NDF :334088.0/10

Right Out: 0.035+/-0.000 χ^2/NDF : 280500.4/19

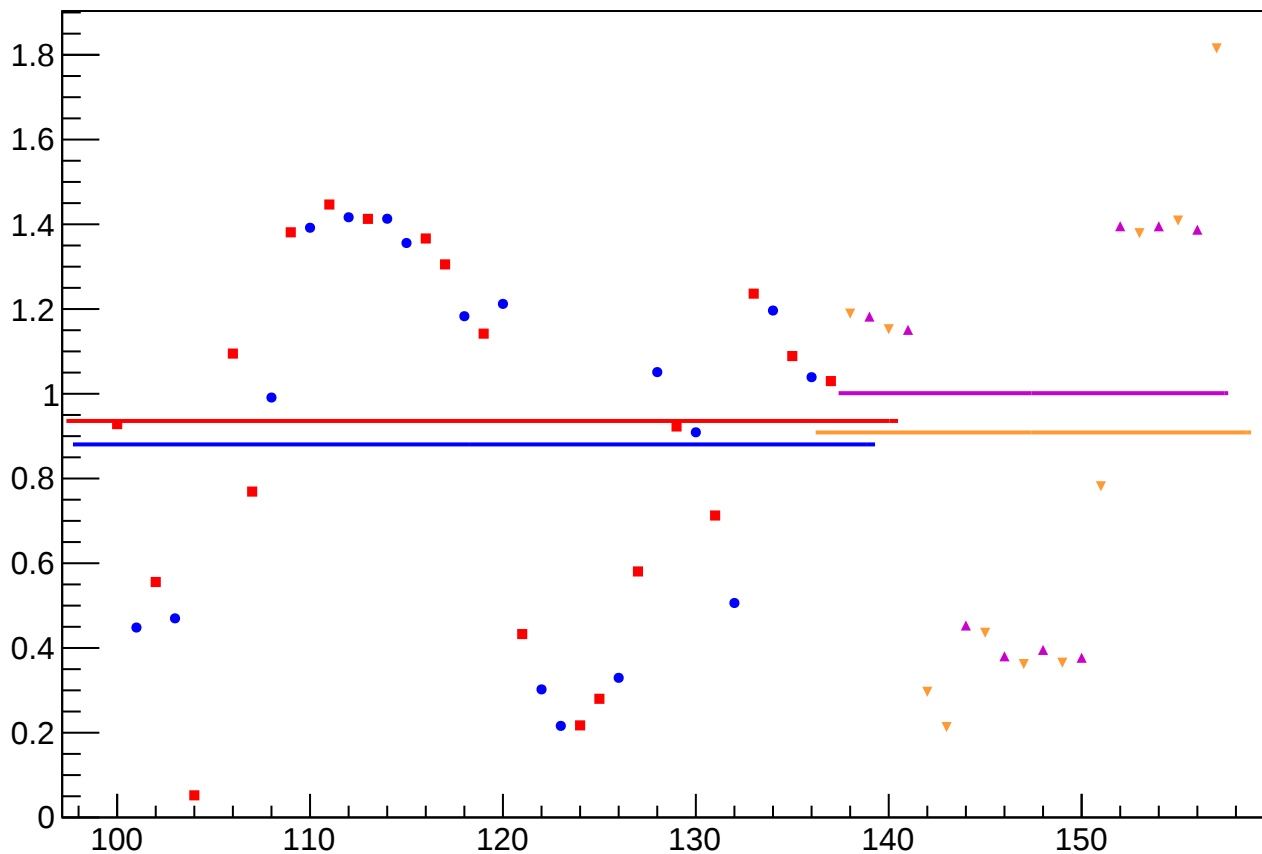
Left In: 0.034+/-0.000 χ^2/NDF :544517.0/8

0.033+/-0.000 χ^2/NDF : 743617.1/27

0.034+/-0.000 χ^2/NDF : 1599635.6/56

0.035+/-0.000 χ^2/NDF : 828388.7/28

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.880 $\pm$ 0.000 χ^2 /NDF: 6400108121.4/16

Left Out: 0.909 $\pm$ 0.000 χ^2 /NDF: 21429558389.7/10

Right Out: 0.936 $\pm$ 0.000 χ^2 /NDF: 9851303698.9/19

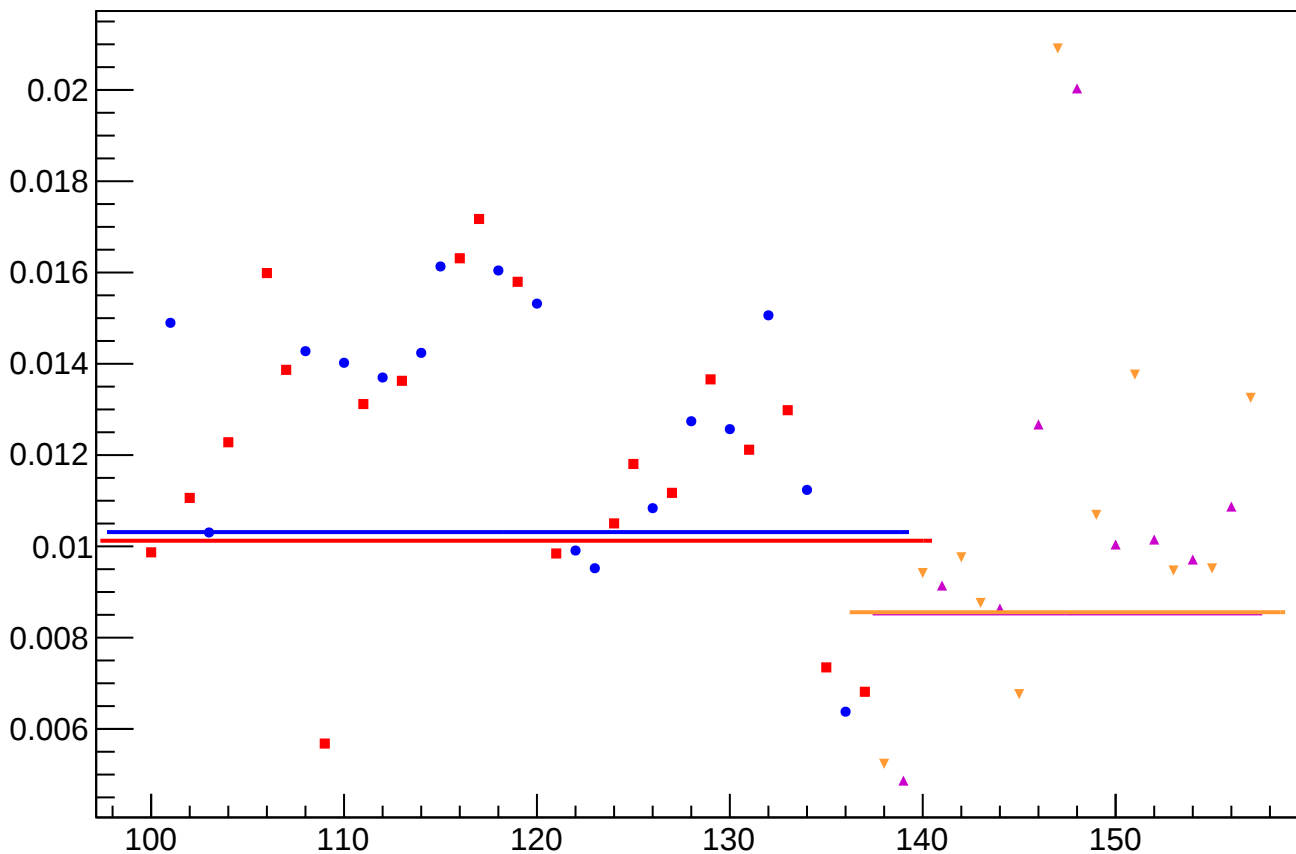
Left In: 1.001 $\pm$ 0.000 χ^2 /NDF: 13664920279.7/8

0.899 $\pm$ 0.000 χ^2 /NDF: 27856602499.5/27

0.936 $\pm$ 0.000 χ^2 /NDF: 51941903736.6/5

0.975 $\pm$ 0.000 χ^2 /NDF: 23663319270.7/28

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2/NDF : 1231066.2/16

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 1651627.6/10

Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 1191429.9/19

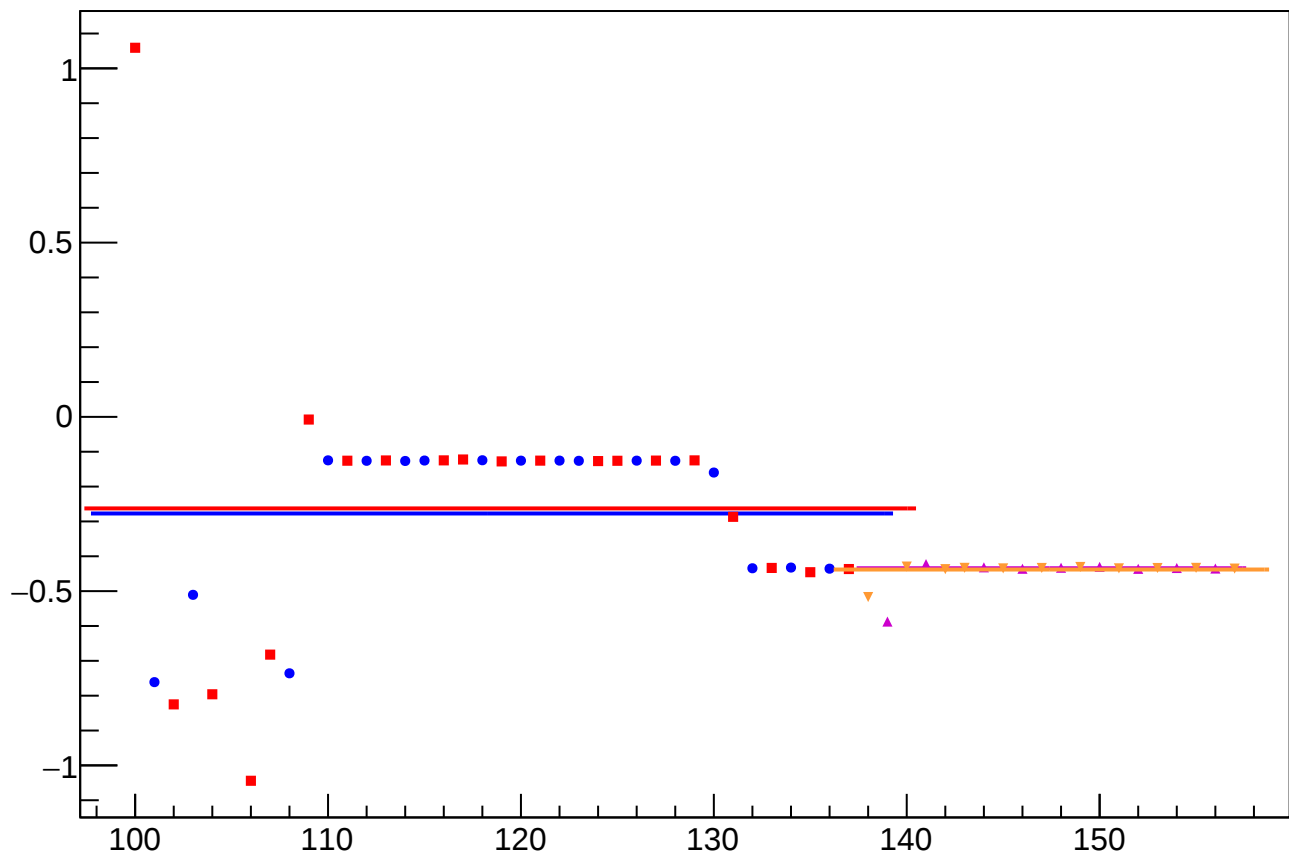
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 1552845.6/8

0.009 $\pm$ 0.000 χ^2/NDF : 3090538.2/27

0.009 $\pm$ 0.000 χ^2/NDF : 6008604.3/56

0.009 $\pm$ 0.000 χ^2/NDF : 2918013.6/28

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.277 $\pm$ 0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.438 $\pm$ 0.000 χ^2/NDF : 24178775.1/10

Right Out: -0.263 $\pm$ 0.000 χ^2/NDF : 1009303829.9/19

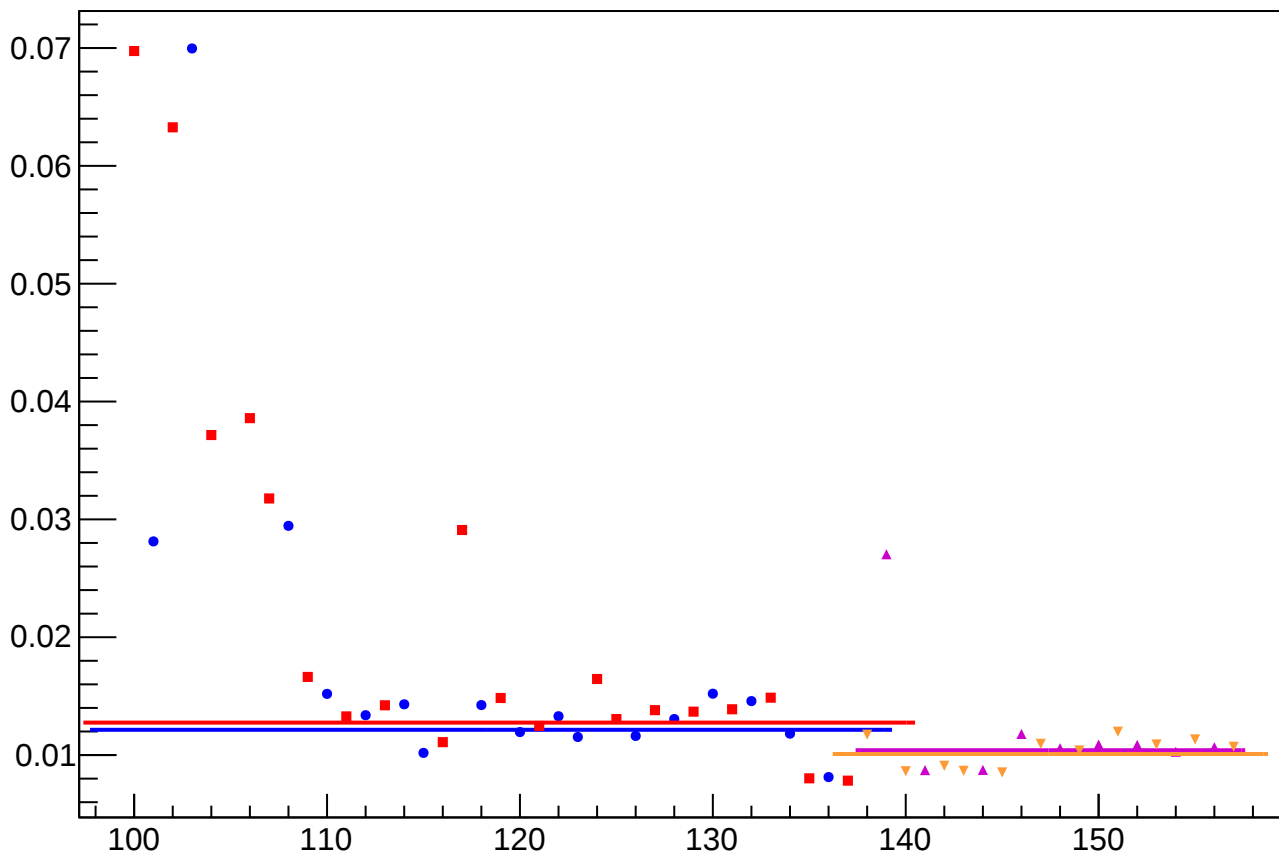
Left In: -0.434 $\pm$ 0.000 χ^2/NDF : 22686581.1/8

-0.384 $\pm$ 0.000 χ^2/NDF : 1516379754.2/27

-0.379 $\pm$ 0.000 χ^2/NDF : 3121631278.4/50

-0.373 $\pm$ 0.000 χ^2/NDF : 1599434857.4/28

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1727494.7/16

Left Out: 0.010+/-0.000 χ^2/NDF : 199684.2/10

Right Out: 0.013+/-0.000 χ^2/NDF : 1993726.2/19

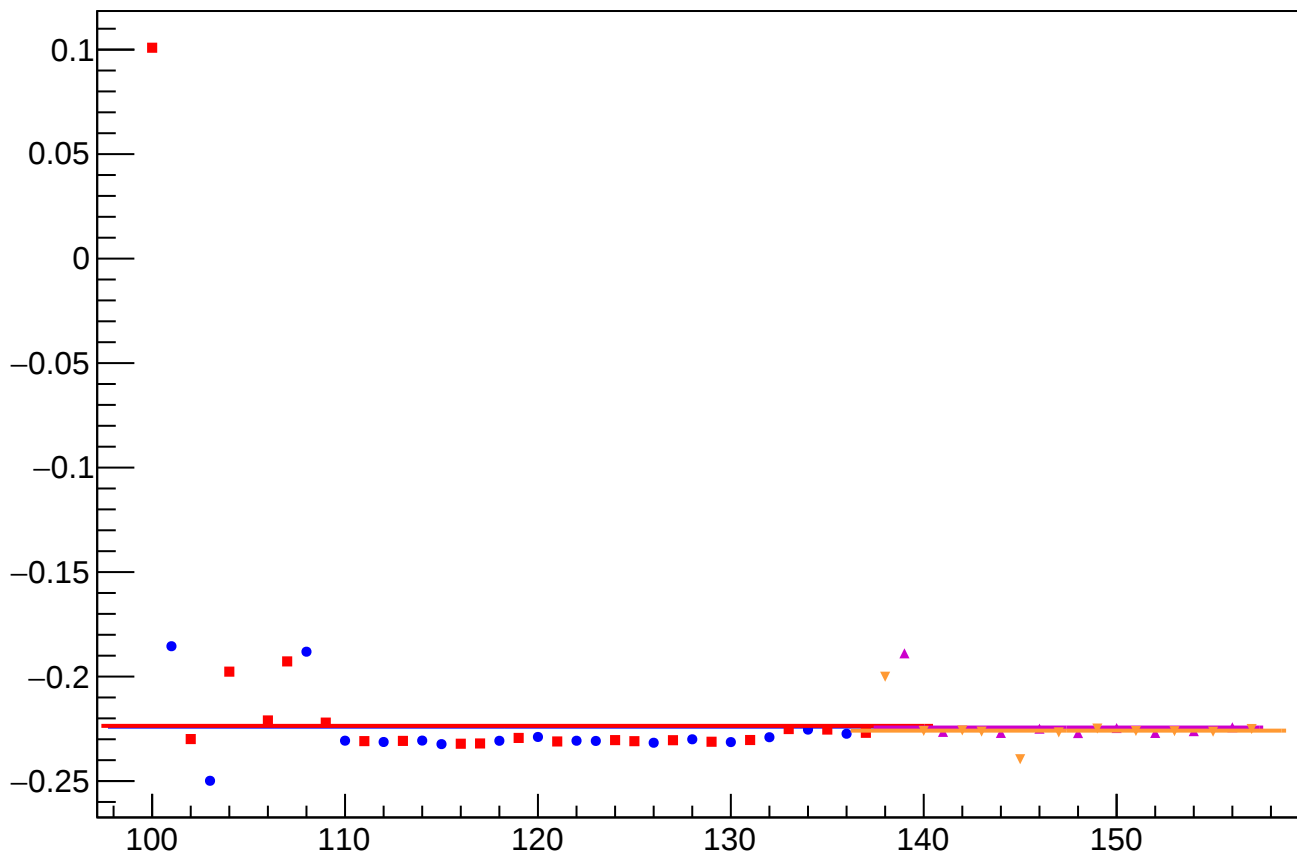
Left In: 0.010+/-0.000 χ^2/NDF : 624559.7/8

0.011+/-0.000 χ^2/NDF : 2107230.6/27

0.011+/-0.000 χ^2/NDF : 4957364.4/56

0.011+/-0.000 χ^2/NDF : 2830036.4/28

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 : 20532808.2/10

Right Out: -0.224+/-0.000 χ^2/NDF : 168231258.4/19

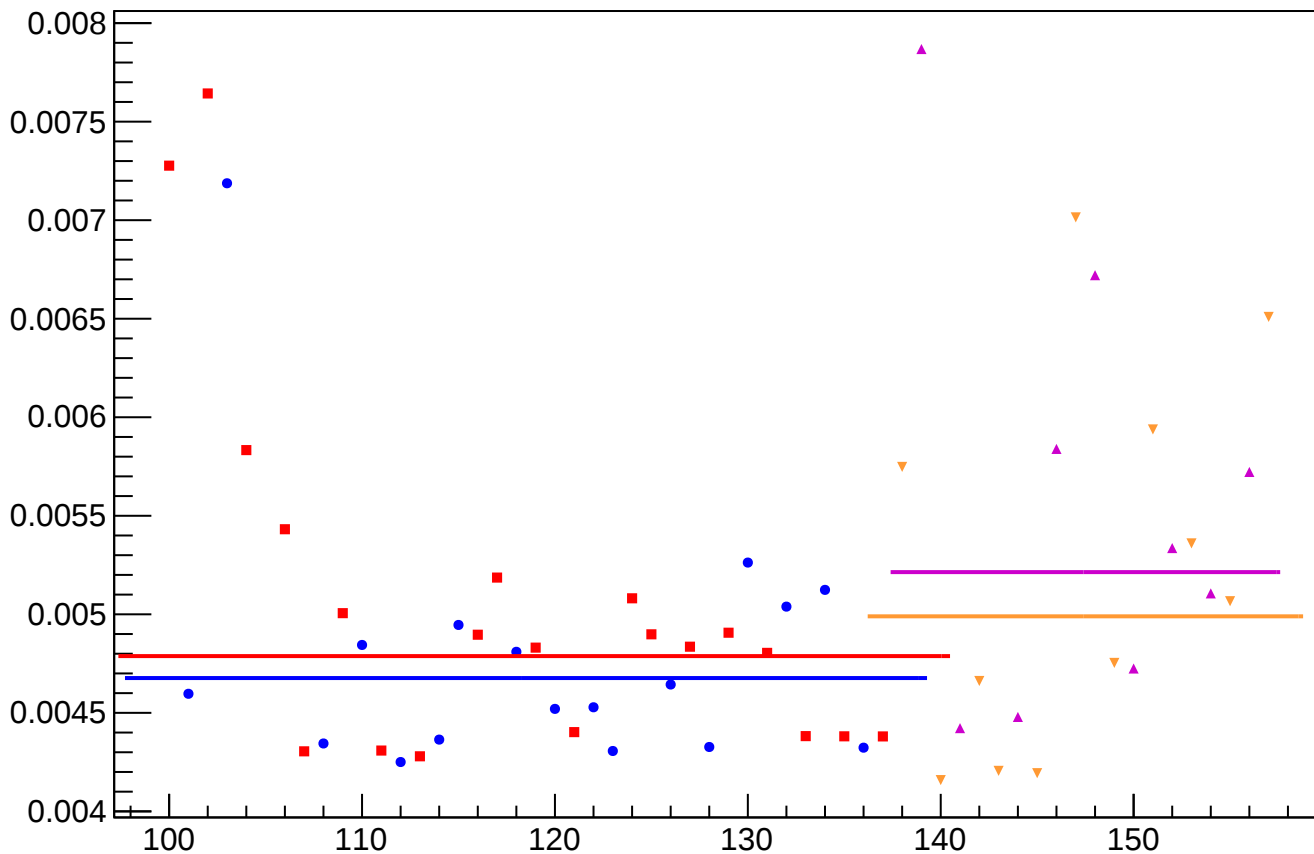
Left In: -0.224+/-0.000 χ^2/NDF : 13917589.2/8

-0.225+/-0.000 χ^2/NDF : 95763891.4/27

-0.224+/-0.000 χ^2/NDF : 278256232.7/56

-0.224+/-0.000 χ^2/NDF : 182233525.8/28

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 : 424085.9/10

Right Out: 0.005+/-0.000 χ^2/NDF : 248668.3/19

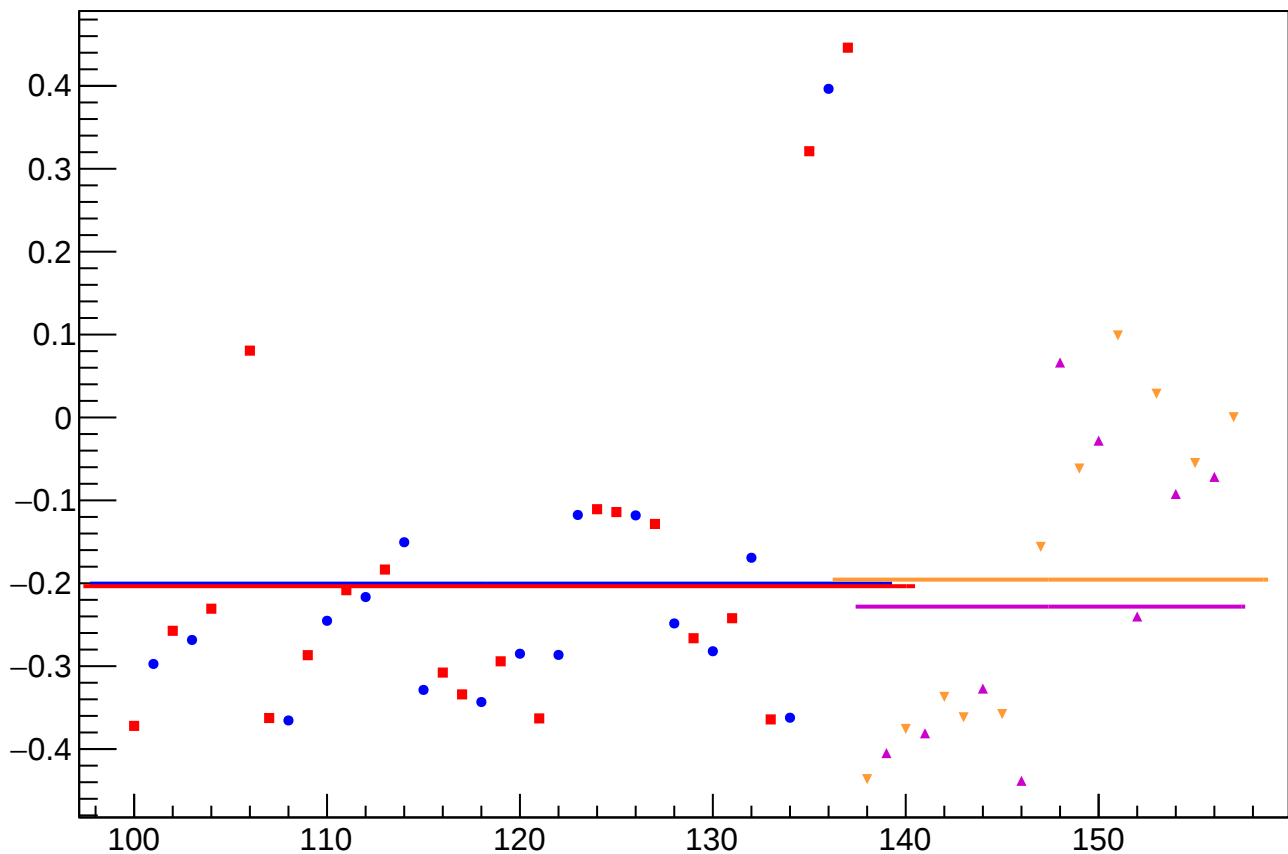
Left In: 0.005+/-0.000 χ^2/NDF : 362282.7/8

0.005+/-0.000 χ^2/NDF : 633360.4/27

0.005+/-0.000 χ^2/NDF : 1304156.5/56

0.005+/-0.000 χ^2/NDF : 658617.5/28

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.200+/-0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.196+/-0.000 χ^2/NDF : 9243083144.4/10

Right Out: -0.204+/-0.000 χ^2/NDF : 5045878528.0/19

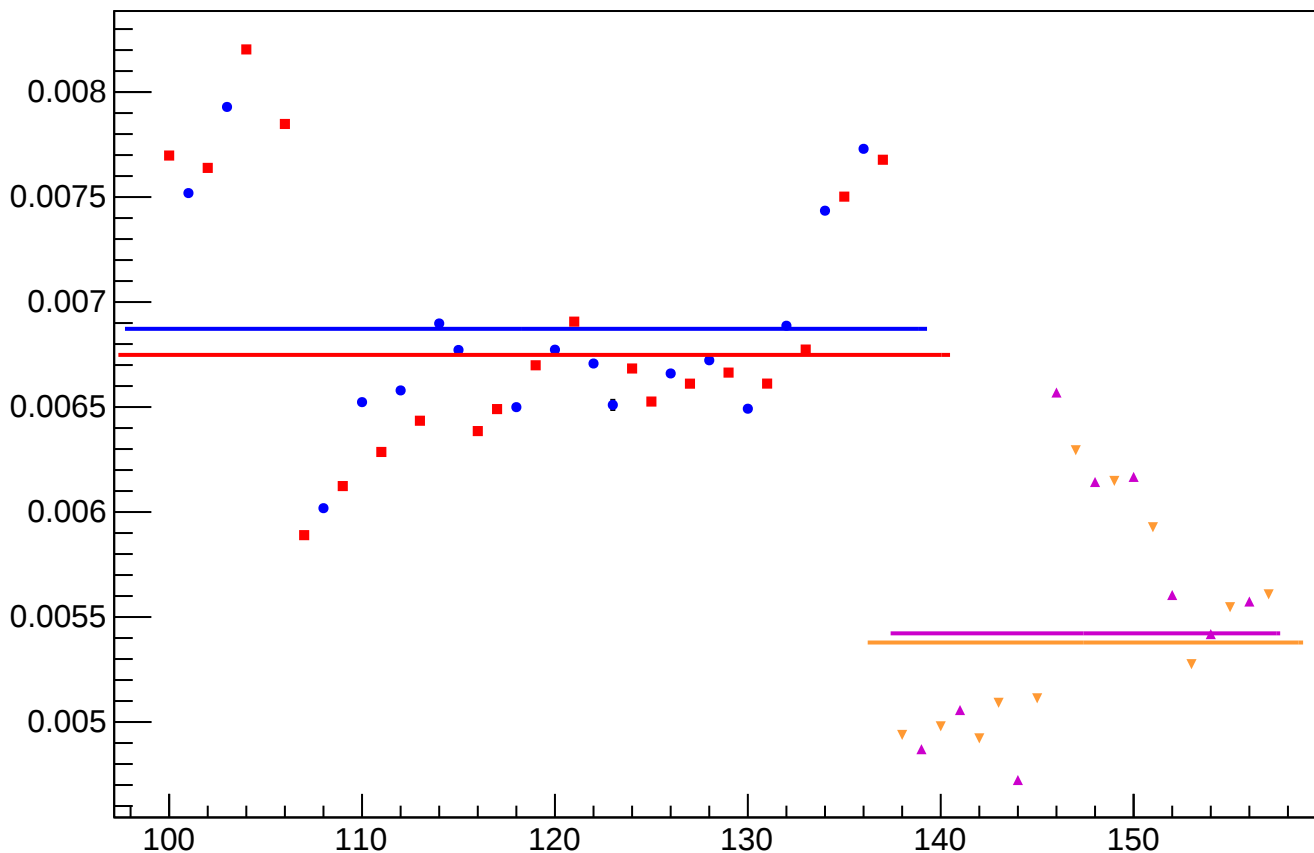
Left In: -0.228+/-0.000 χ^2/NDF : 6068829563.8/8

-0.197+/-0.000 χ^2/NDF : 15218754151.0/27

-0.207+/-0.000 χ^2/NDF : 26473279530.7/7

-0.218+/-0.000 χ^2/NDF : 11169661975.1/28

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 78611.6/16

Left Out: 0.005+/-0.000 χ^2/NDF : 102009.0/10

Right Out: 0.007+/-0.000 χ^2/NDF : 105262.1/19

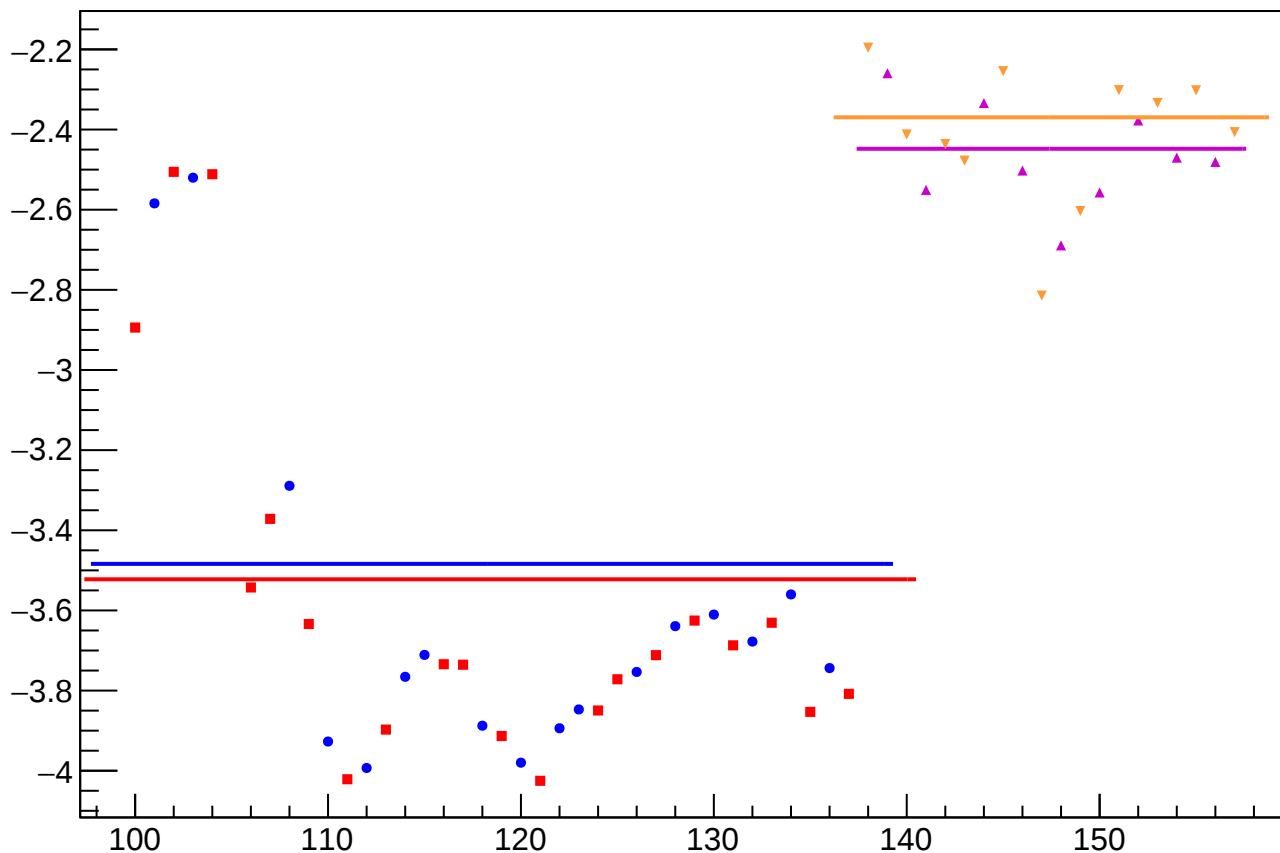
Left In: 0.005+/-0.000 χ^2/NDF : 142680.9/8

0.006+/-0.000 χ^2/NDF : 583973.1/27

0.006+/-0.000 χ^2/NDF : 1151903.1/56

0.006+/-0.000 χ^2/NDF : 566702.8/28

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.369+/-0.000 χ^2/NDF : 1479186437.6/10

Right Out: -3.522+/-0.000 χ^2/NDF : 26497611752.4/19

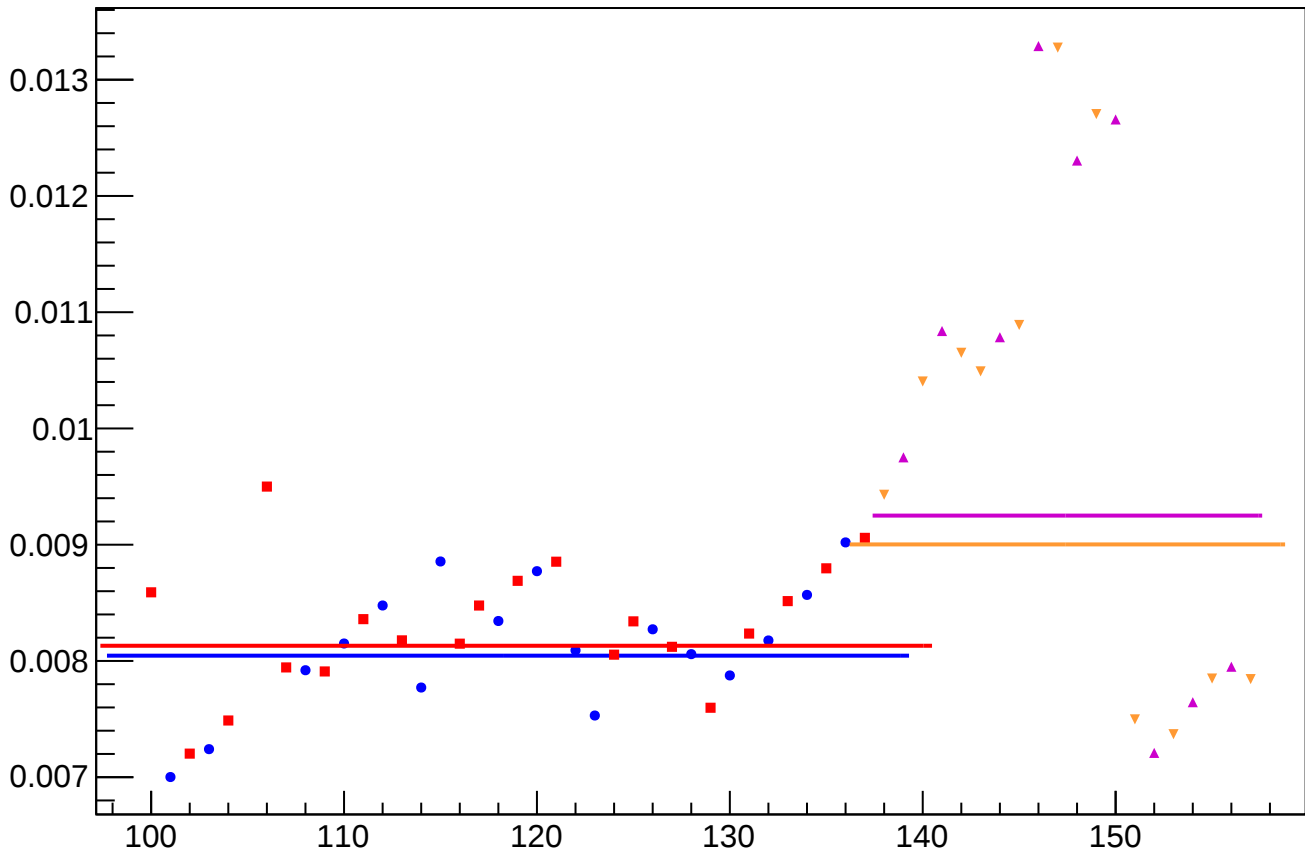
Left In: -2.448+/-0.000 χ^2/NDF : 841887049.5/8

-2.961+/-0.000 χ^2/NDF : 87246885007.4/27

-3.013+/-0.000 χ^2/NDF : 165822558221.9

-3.069+/-0.000 χ^2/NDF : 77492676461.9/28

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 71989.8/16

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 554013.0/10

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 57613.2/19

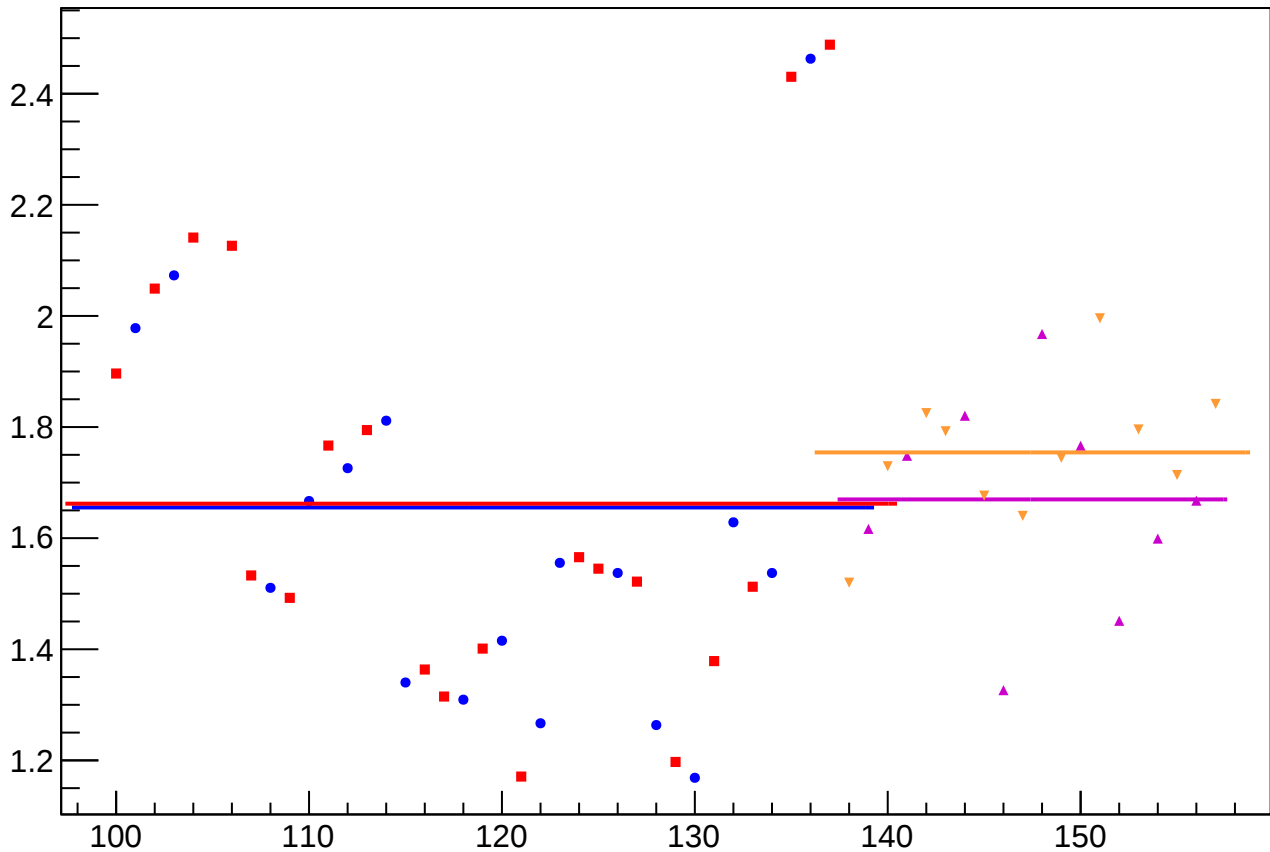
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 616653.4/8

0.008 $\pm$ 0.000 χ^2/NDF : 712450.3/27

0.009 $\pm$ 0.000 χ^2/NDF : 1497828.0/56

0.009 $\pm$ 0.000 χ^2/NDF : 783231.1/28

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.655 $\pm$ 0.000 χ^2 /NDF: 6476474909.3/16

Left Out: 1.754 $\pm$ 0.000 χ^2 /NDF: 921393711.8/10

Right Out: 1.662 $\pm$ 0.000 χ^2 /NDF: 5975345573.0/19

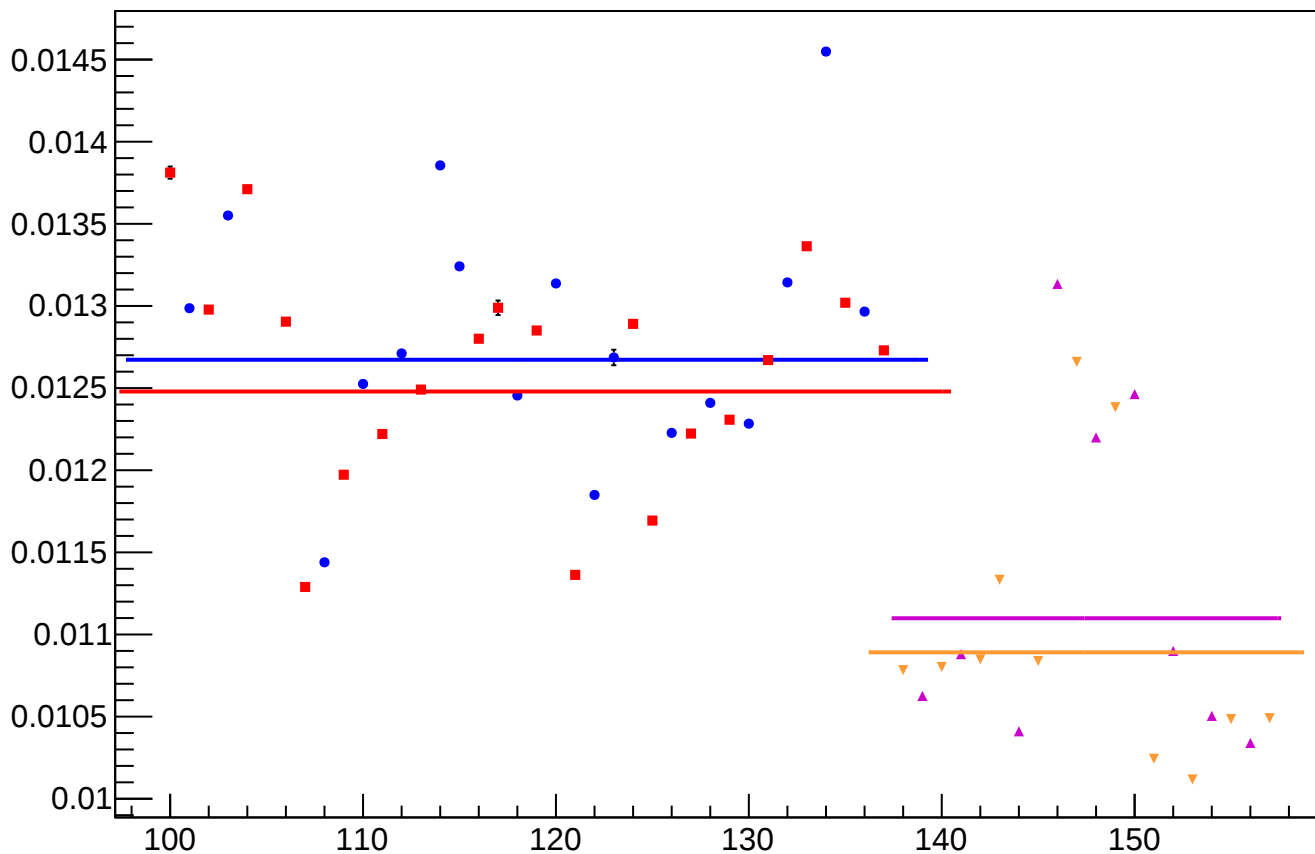
Left In: 1.670 $\pm$ 0.000 χ^2 /NDF: 1524599257.7/8

1.716 $\pm$ 0.000 χ^2 /NDF: 7643624818.2/27

1.692 $\pm$ 0.000 χ^2 /NDF: 15271464093.2/5

1.666 $\pm$ 0.000 χ^2 /NDF: 7501391925.4/28

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 : 70879.9/10

Right Out: 0.012 $\pm$ 0.000 χ^2/NDF : 39268.9/19

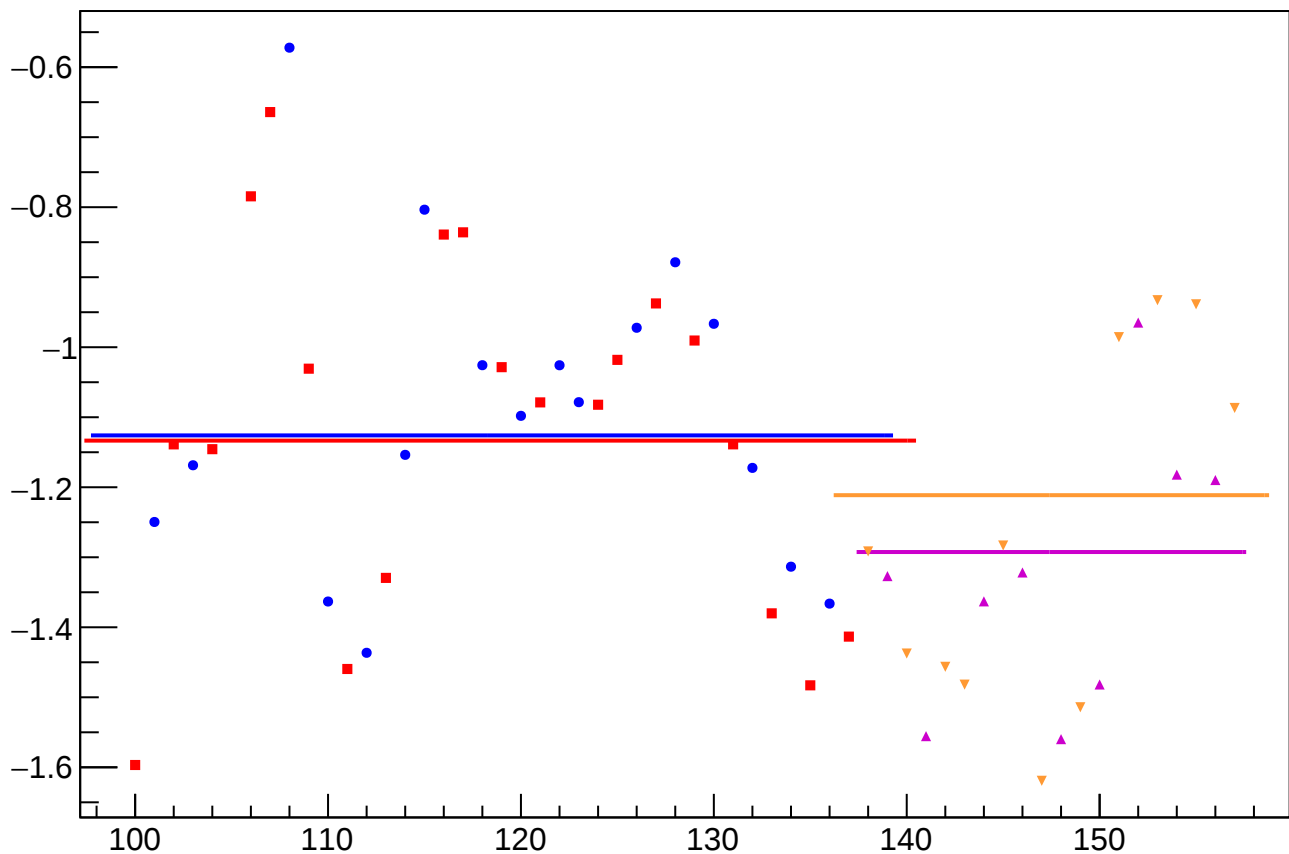
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 88598.3/8

0.012 $\pm$ 0.000 χ^2/NDF : 261491.9/27

0.012 $\pm$ 0.000 χ^2/NDF : 485127.4/56

0.012 $\pm$ 0.000 χ^2/NDF : 221811.4/28

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.211+/-0.000 χ^2/NDF : 6075273100.2/10

Right Out: -1.133+/-0.000 χ^2/NDF : 3706528266.7/19

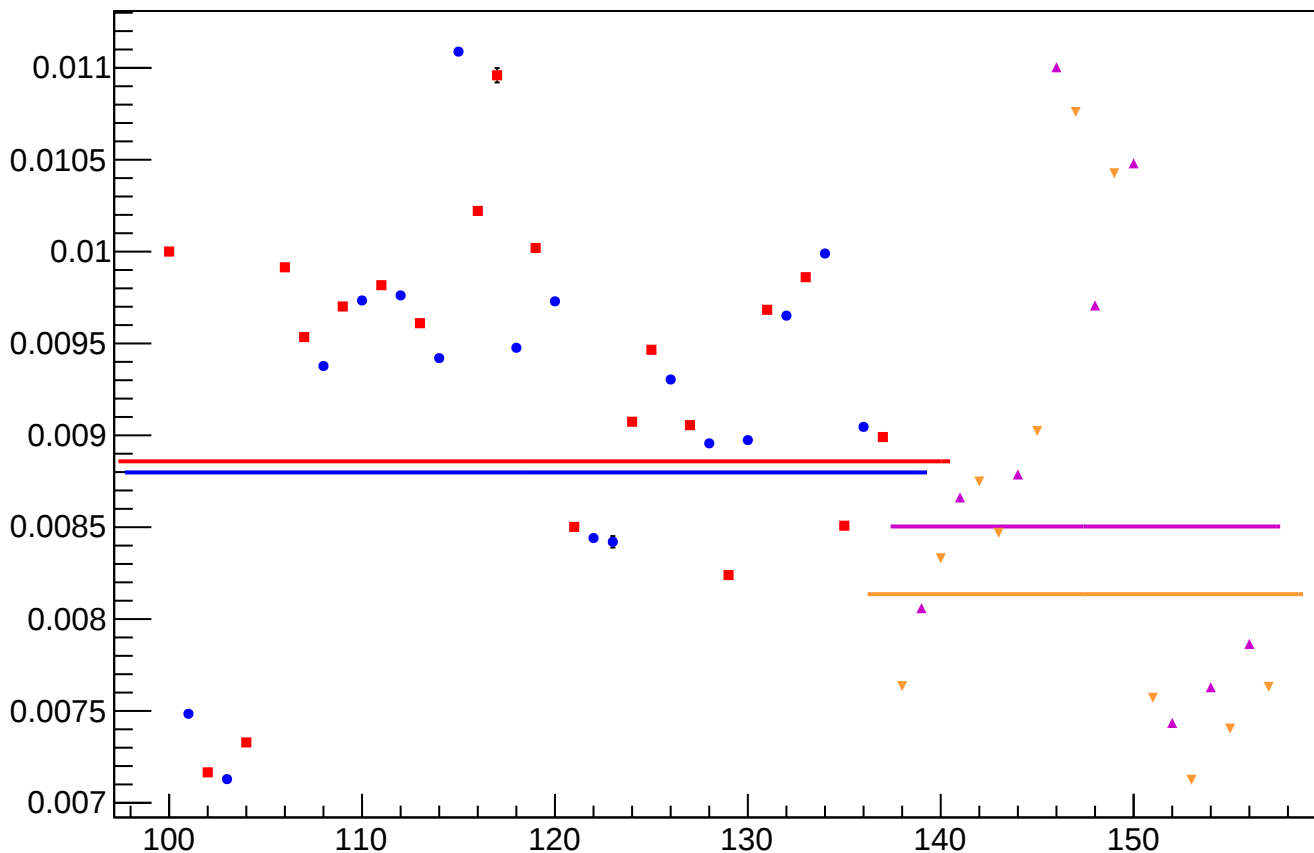
Left In: -1.293+/-0.000 χ^2/NDF : 3381757141.3/8

-1.175+/-0.000 χ^2/NDF : 9992580664.3/27

-1.194+/-0.000 χ^2/NDF : 18344861079.3/5

-1.216+/-0.000 χ^2/NDF : 8198229503.2/28

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2/NDF : 151586.8/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 222994.5/10

Right Out: 0.009 $\pm$ 0.000 χ^2/NDF : 176858.0/19

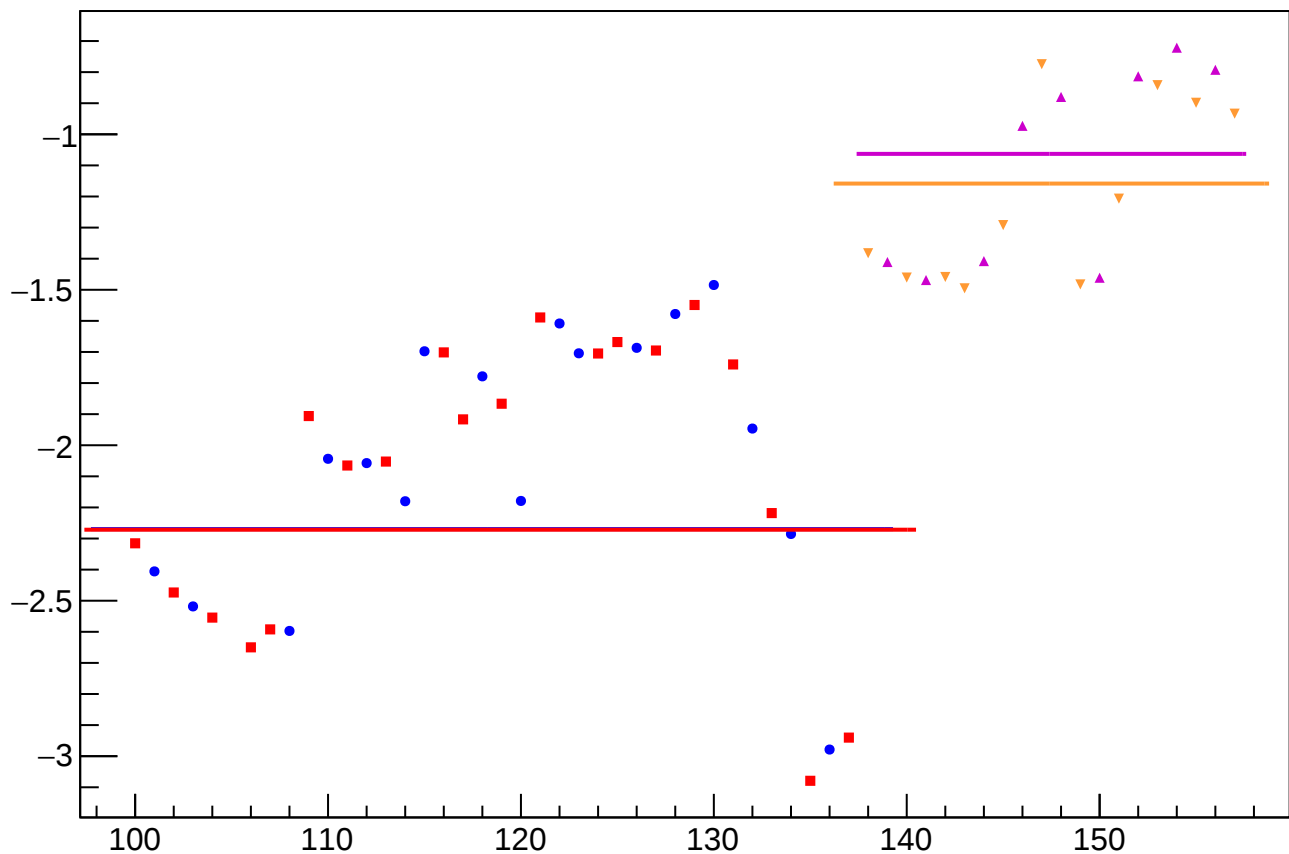
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 205897.6/8

0.008 $\pm$ 0.000 χ^2/NDF : 415832.6/27

0.009 $\pm$ 0.000 χ^2/NDF : 821523.4/56

0.009 $\pm$ 0.000 χ^2/NDF : 393780.5/28

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.270+/-0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.158+/-0.000 χ^2/NDF : 11146702977.7/10

Right Out: -2.272+/-0.000 χ^2/NDF : 19012236430.2/19

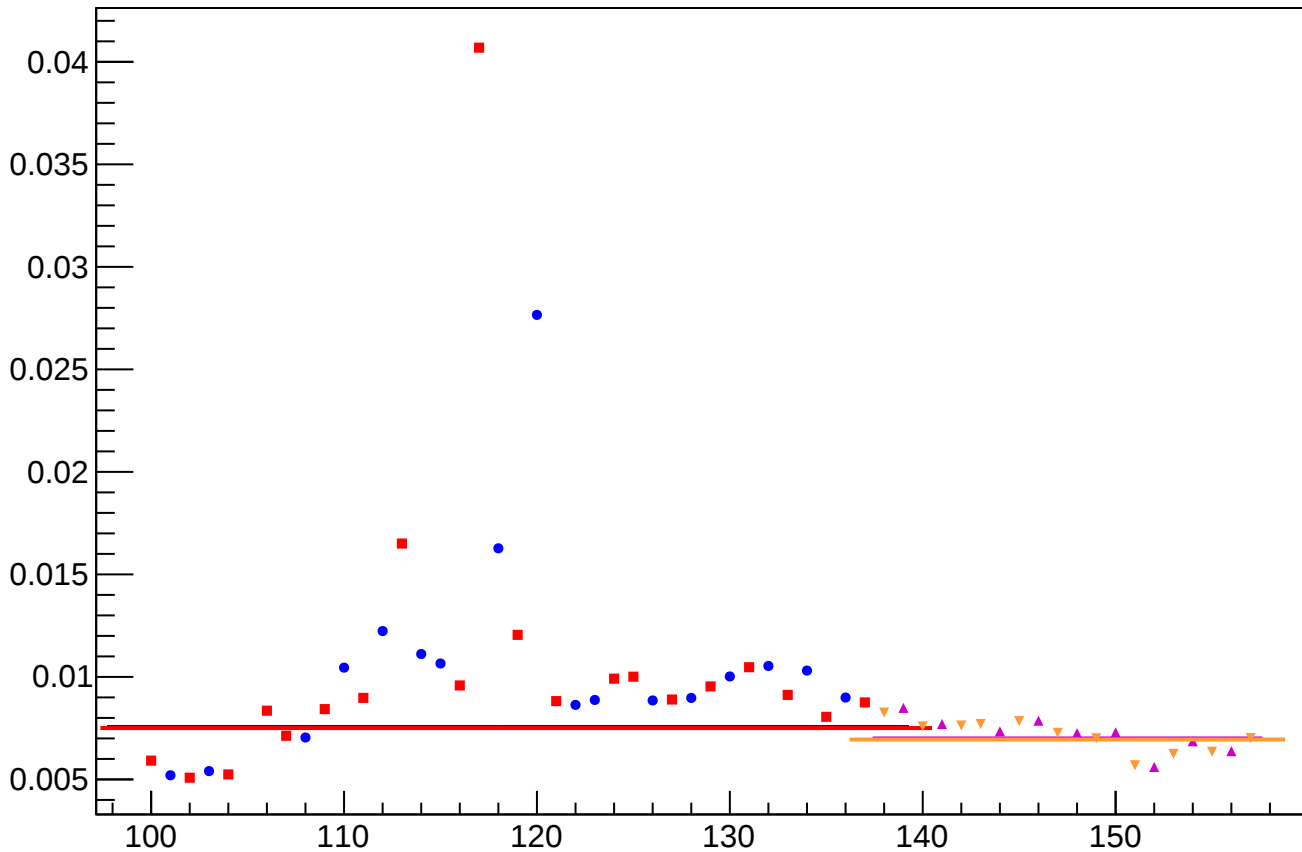
Left In: -1.063+/-0.000 χ^2/NDF : 12763850840.6/8

-1.567+/-0.000 χ^2/NDF : 97296086758.5/27

-1.570+/-0.000 χ^2/NDF : 213160045733.1

-1.573+/-0.000 χ^2/NDF : 115860287398.1/28

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008 +/- 0.000 χ^2/NDF : 1221004.0/16

Left Out: 0.007 +/- 0.000 χ^2/NDF : 178954.6/10

Right Out: 0.008 +/- 0.000 χ^2/NDF : 984811.6/19

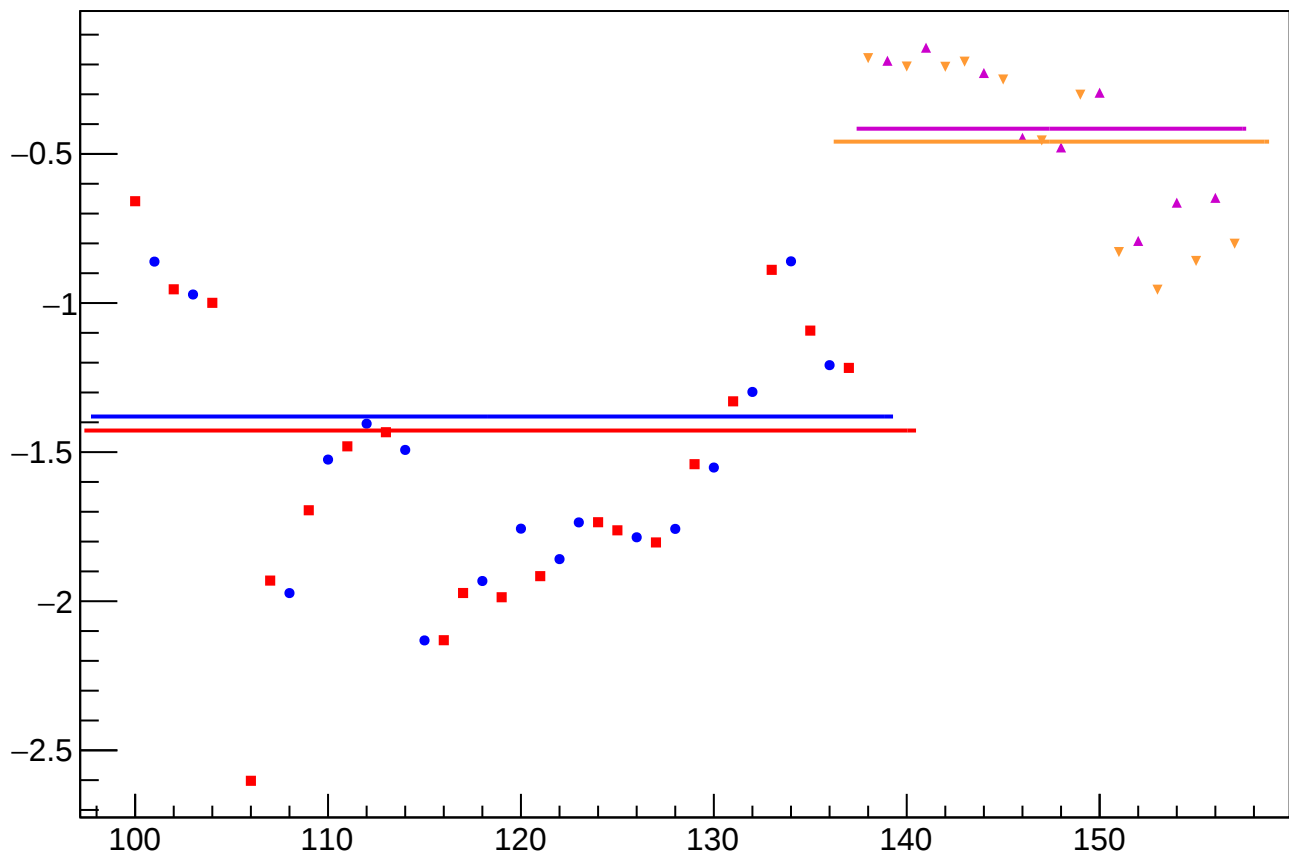
Left In: 0.007 +/- 0.000 χ^2/NDF : 186151.1/8

0.007 +/- 0.000 χ^2/NDF : 1441664.9/27

0.007 +/- 0.000 χ^2/NDF : 2642677.1/56

0.007 +/- 0.000 χ^2/NDF : 1200603.2/28

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.381+/-0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.459+/-0.000 χ^2/NDF : 36955106114.5/10

Right Out: -1.428+/-0.000 χ^2/NDF : 29626603581.6/19

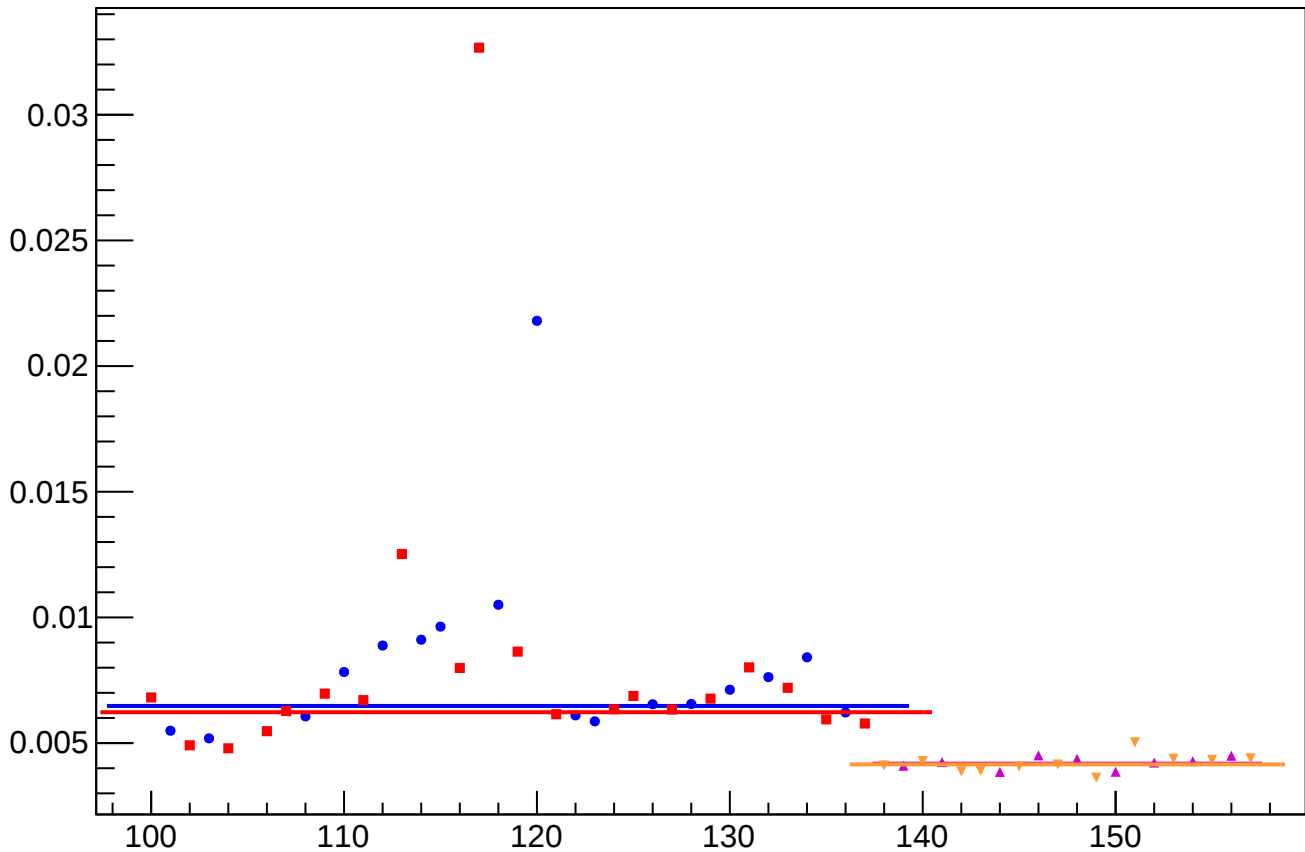
Left In: -0.415+/-0.000 χ^2/NDF : 18258265787.2/8

-0.678+/-0.000 χ^2/NDF : 141080317063.5/27

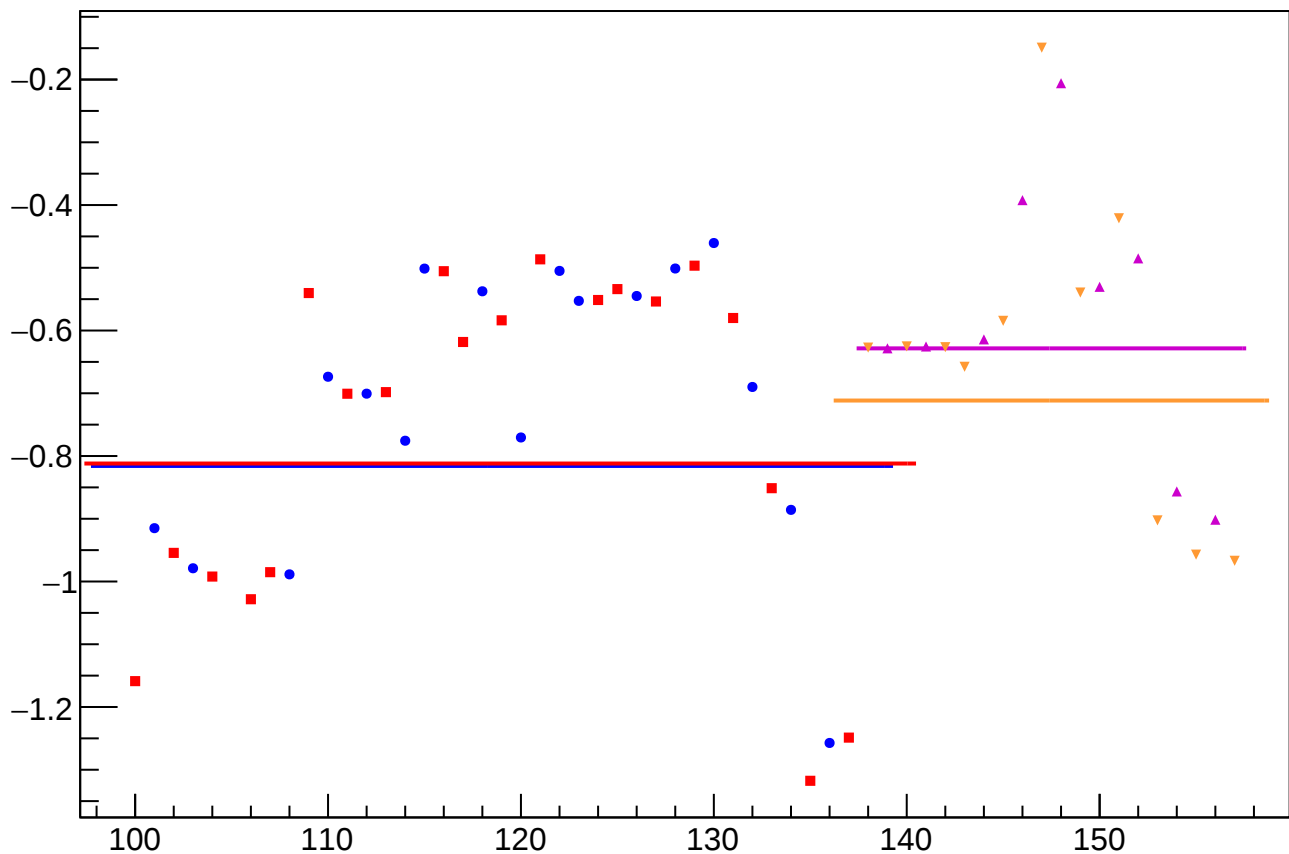
-0.693+/-0.000 χ^2/NDF : 299796042192.0

-0.709+/-0.000 χ^2/NDF : 158459153869.4/28

yield_bpm0i05Y_rms vs Slug, Sign Corrected



yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.712+/-0.000 χ^2/NDF : 19935846916.1/10

Right Out: -0.812+/-0.000 χ^2/NDF : 16818378599.3/19

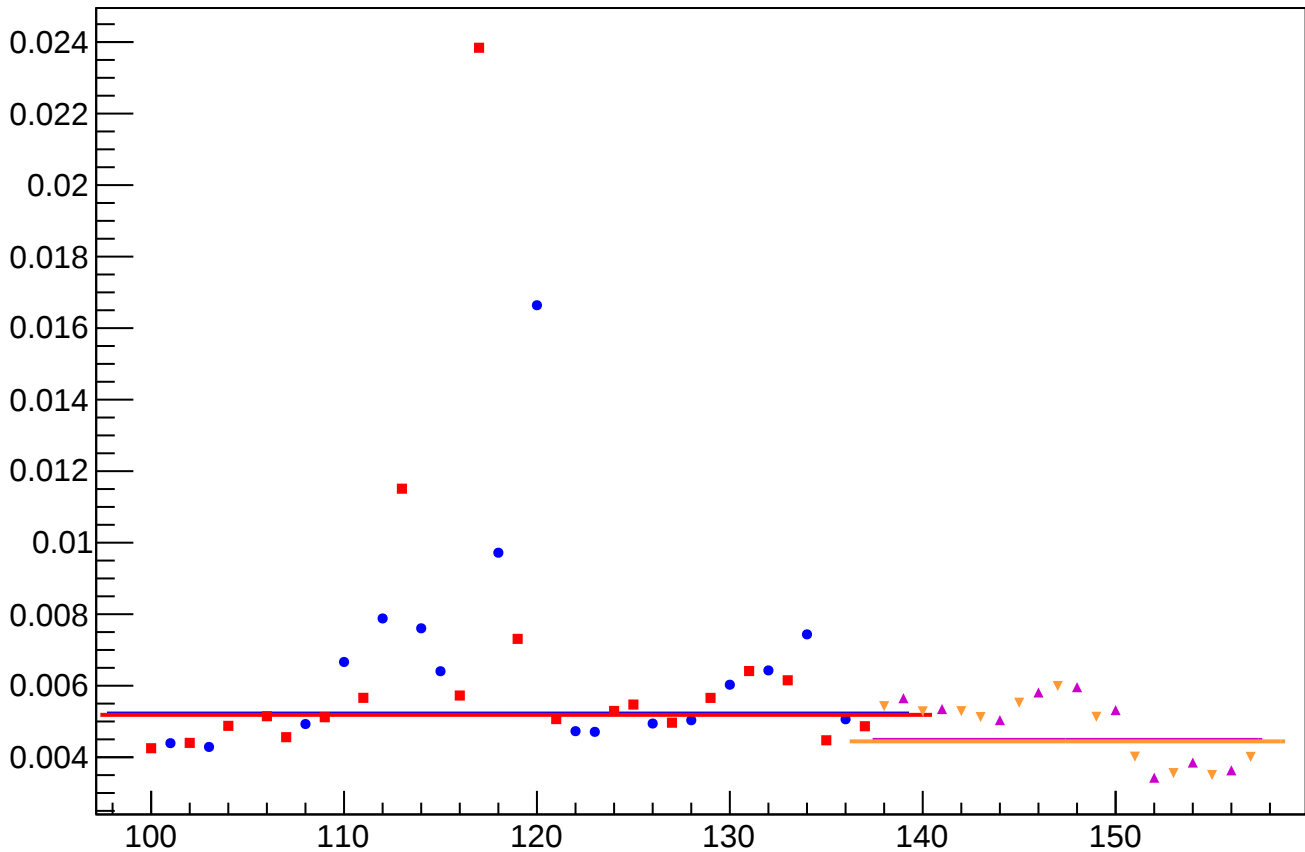
Left In: -0.628+/-0.000 χ^2/NDF : 13199905253.1/8

-0.748+/-0.000 χ^2/NDF : 35486797982.8/27

-0.726+/-0.000 χ^2/NDF : 70475938192.5/5

-0.703+/-0.000 χ^2/NDF : 34432965625.3/28

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 664386.8/16

Left Out: 0.004+/-0.000 χ^2/NDF : 528410.8/10

Right Out: 0.005+/-0.000 χ^2/NDF : 410640.5/19

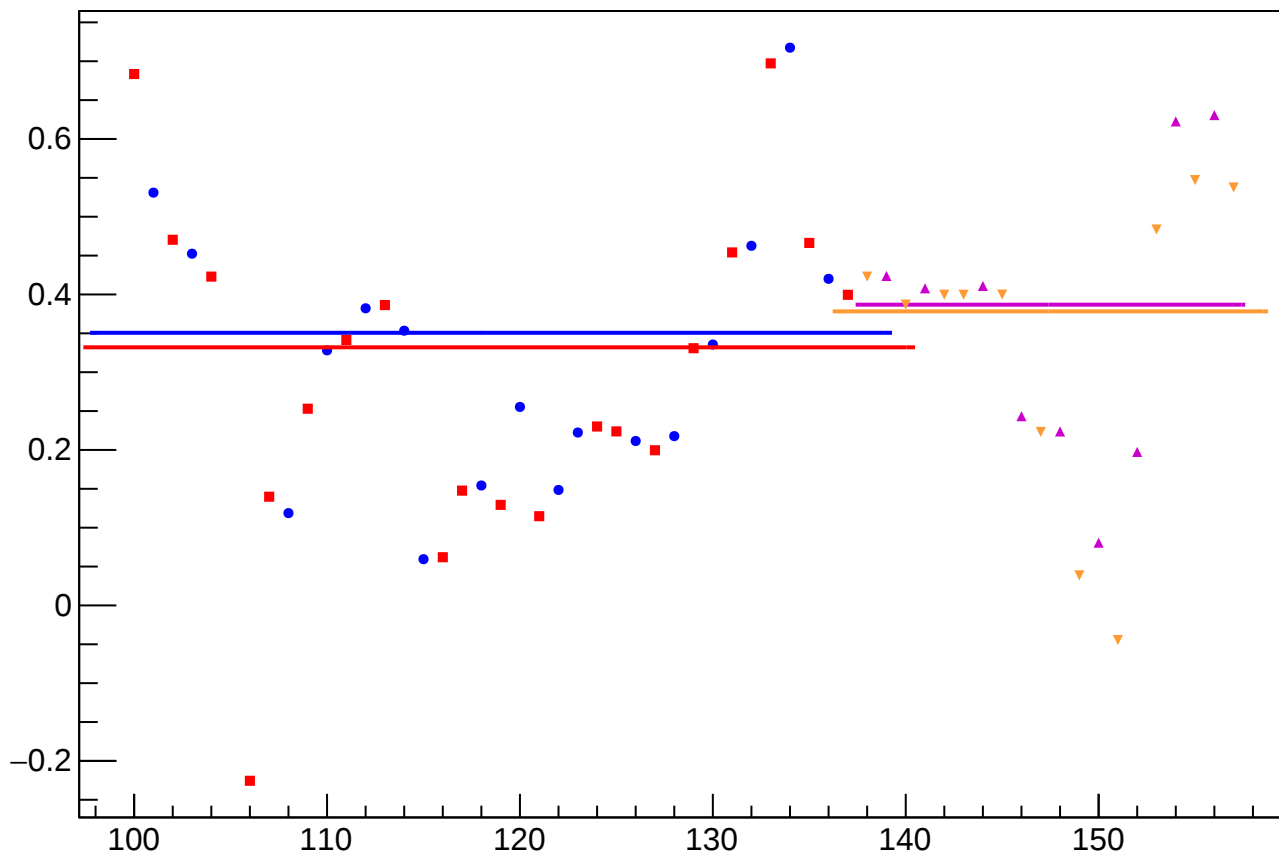
Left In: 0.004+/-0.000 χ^2/NDF : 584119.1/8

0.005+/-0.000 χ^2/NDF : 1346304.6/27

0.005+/-0.000 χ^2/NDF : 2471403.1/56

0.005+/-0.000 χ^2/NDF : 1123598.5/28

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.351+/-0.000 χ^2/NDF : 7410859446.3/16

Left Out: 0.378+/-0.000 χ^2/NDF :15851899529.0/10

Right Out: 0.332+/-0.000 χ^2/NDF : 11800695210.2/19

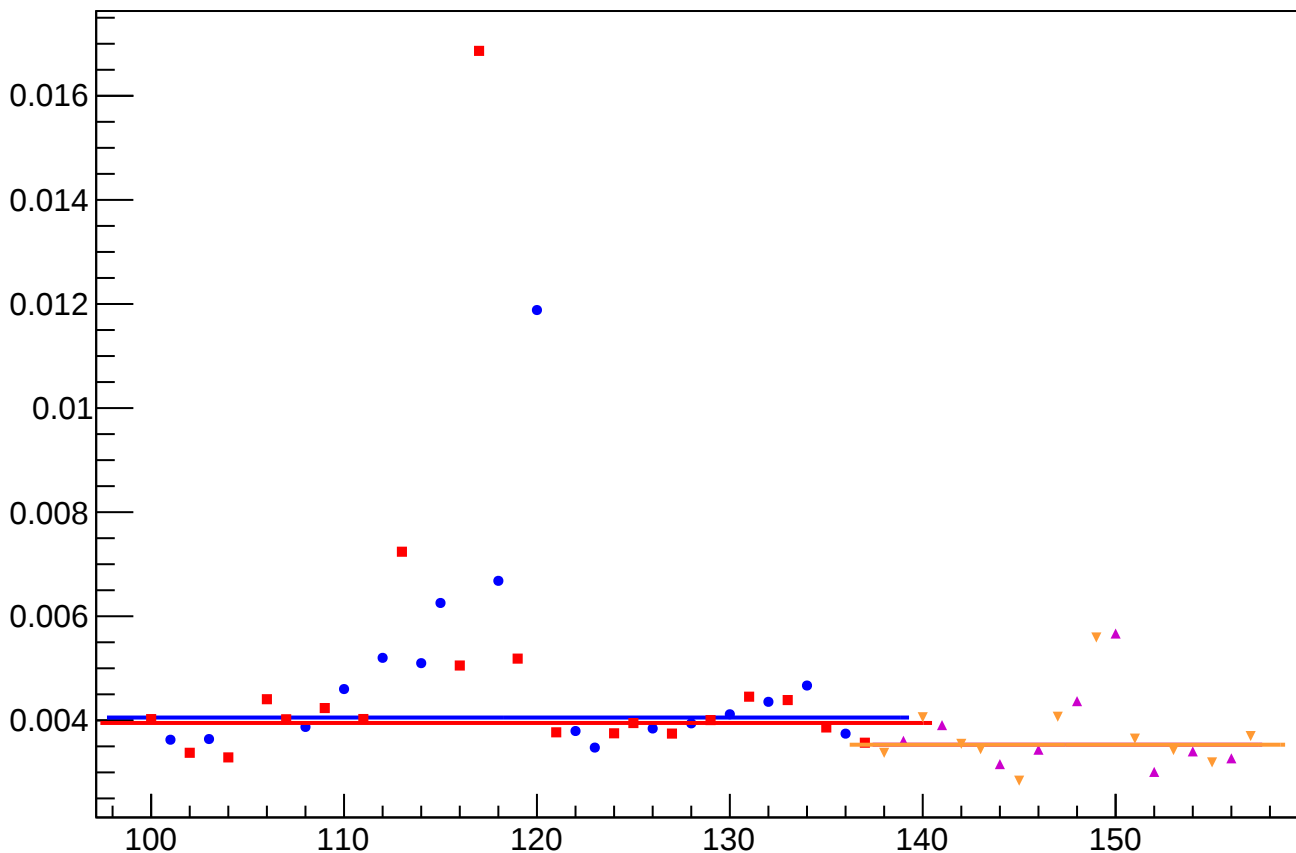
Left In: 0.387+/-0.000 χ^2/NDF :14938361350.7/8

0.367+/-0.000 χ^2/NDF : 23422799904.2/27

0.365+/-0.000 χ^2/NDF : 50829941607.5/5

0.362+/-0.000 χ^2/NDF : 27396167242.7/28

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 455318.3/16

Left Out: 0.004+/-0.000 χ^2/NDF :334802.6/10

Right Out: 0.004+/-0.000 χ^2/NDF : 304954.7/19

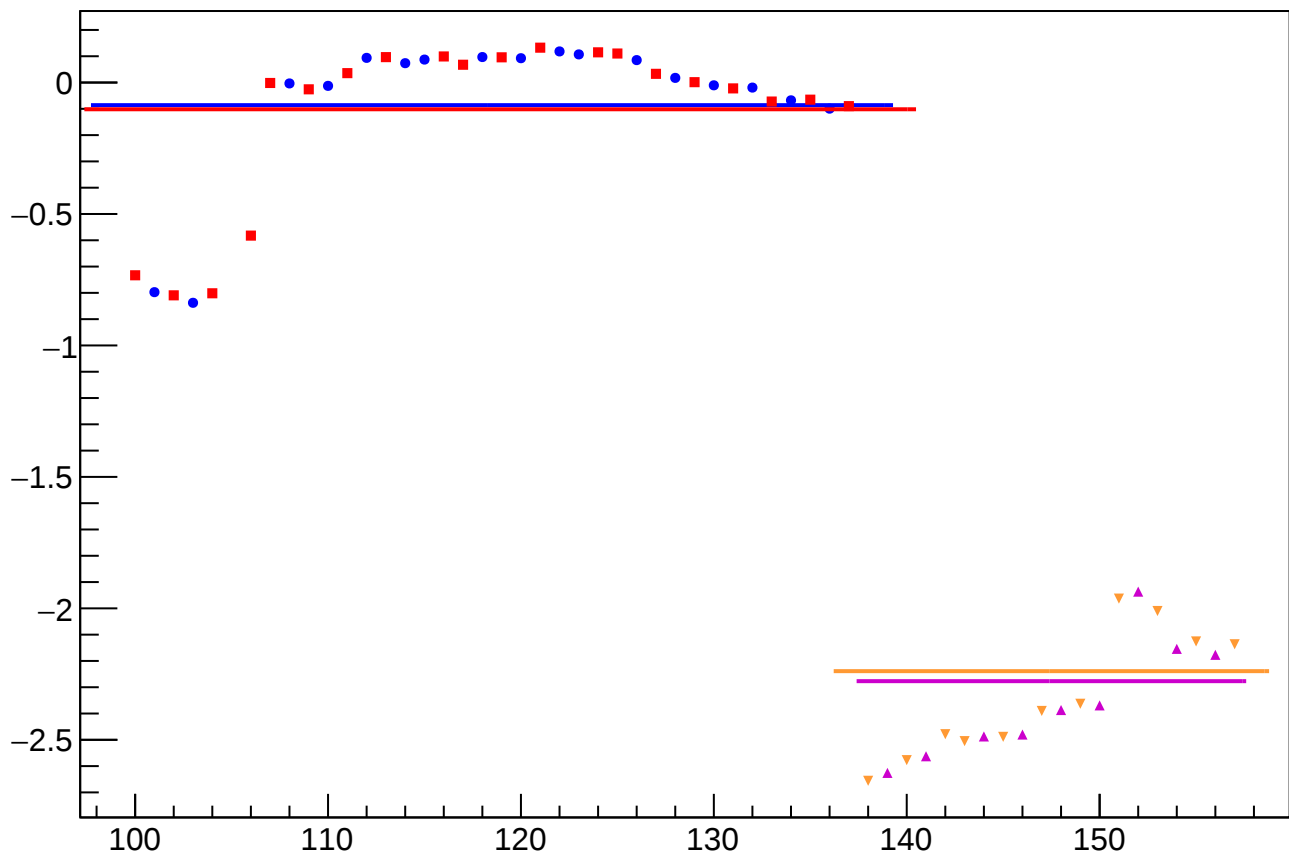
Left In: 0.004+/-0.000 χ^2/NDF :353905.4/8

0.004+/-0.000 χ^2/NDF : 905264.6/27

0.004+/-0.000 χ^2/NDF : 1640612.8/56

0.004+/-0.000 χ^2/NDF : 735053.4/28

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.086 $\pm$ 0.000 χ^2 /NDF: 4989387592.7/16

Left Out: -2.239 $\pm$ 0.000 χ^2 /NDF: 3251888046.4/10

Right Out: -0.102 $\pm$ 0.000 χ^2 /NDF: 5566142794.2/19

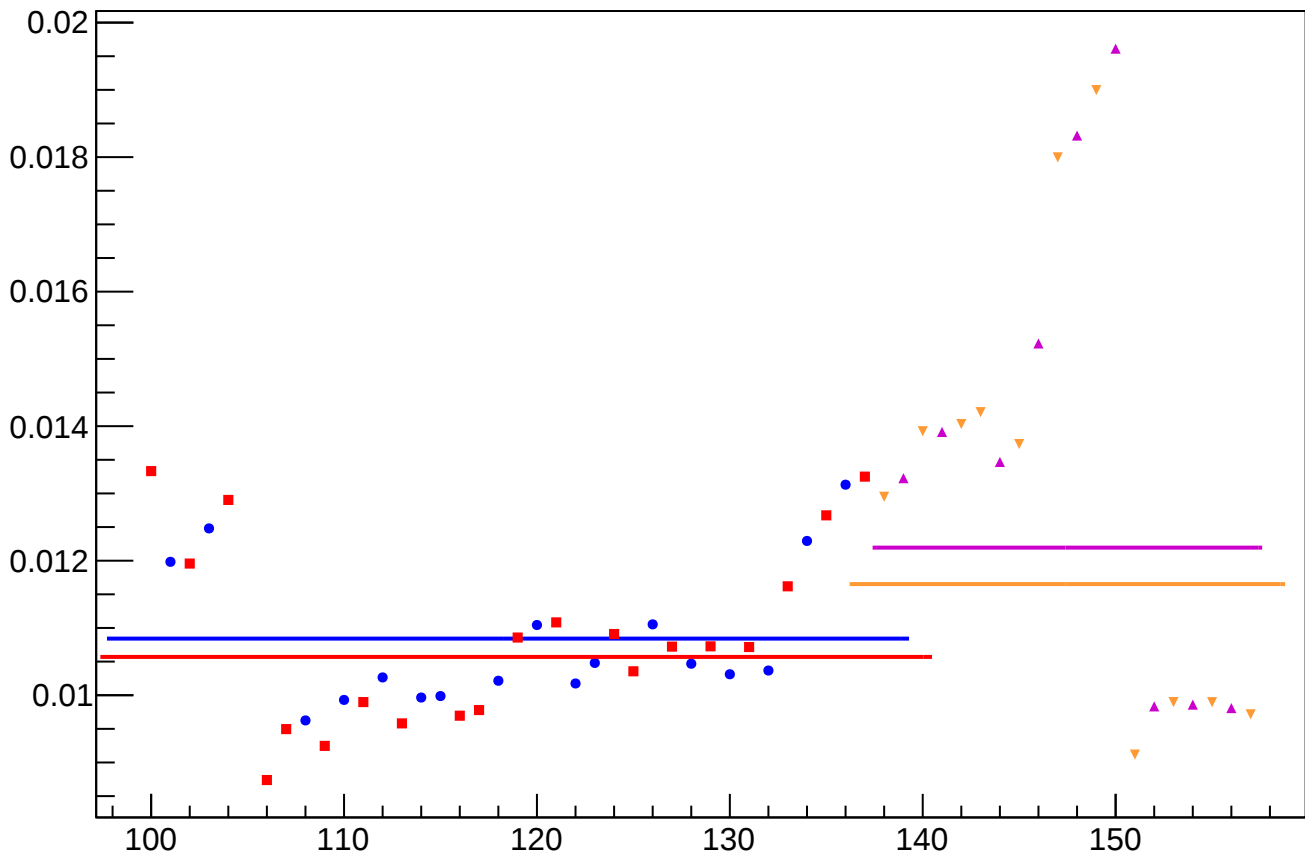
Left In: -2.277 $\pm$ 0.000 χ^2 /NDF: 2421650922.4/8

-1.161 $\pm$ 0.000 χ^2 /NDF: 138939577874.7/27

-1.092 $\pm$ 0.000 χ^2 /NDF: 274238643725.3

-1.020 $\pm$ 0.000 χ^2 /NDF: 134197850542.5/28

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.012+/-0.000 χ^2/NDF : 873914.6/10

Right Out: 0.011+/-0.000 χ^2/NDF : 179537.7/19

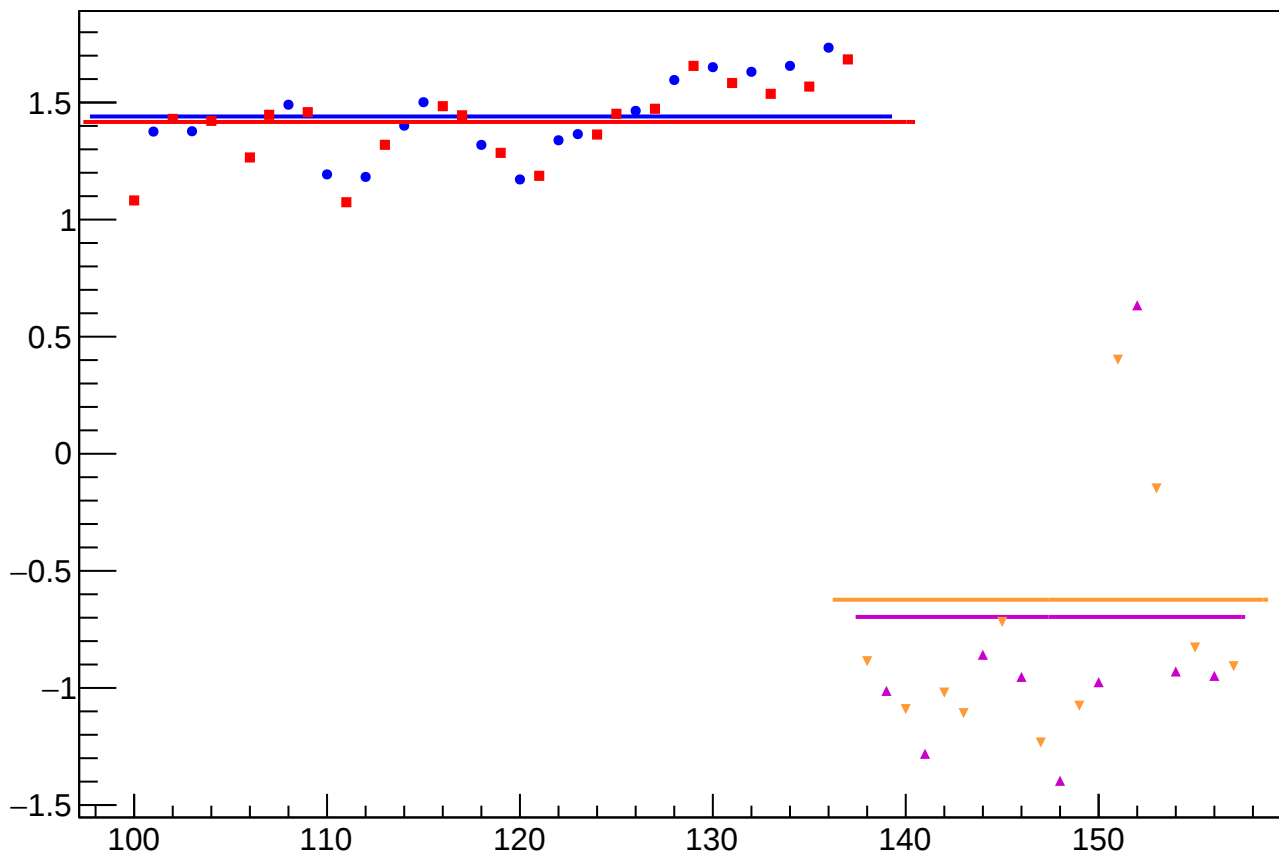
Left In: 0.012+/-0.000 χ^2/NDF : 819596.6/8

0.011+/-0.000 χ^2/NDF : 1035204.0/27

0.011+/-0.000 χ^2/NDF : 2175187.7/56

0.011+/-0.000 χ^2/NDF : 1139974.3/28

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.623 $\pm$ 0.000 χ^2 /NDF: 28327393205.9/10

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674679406.4/19

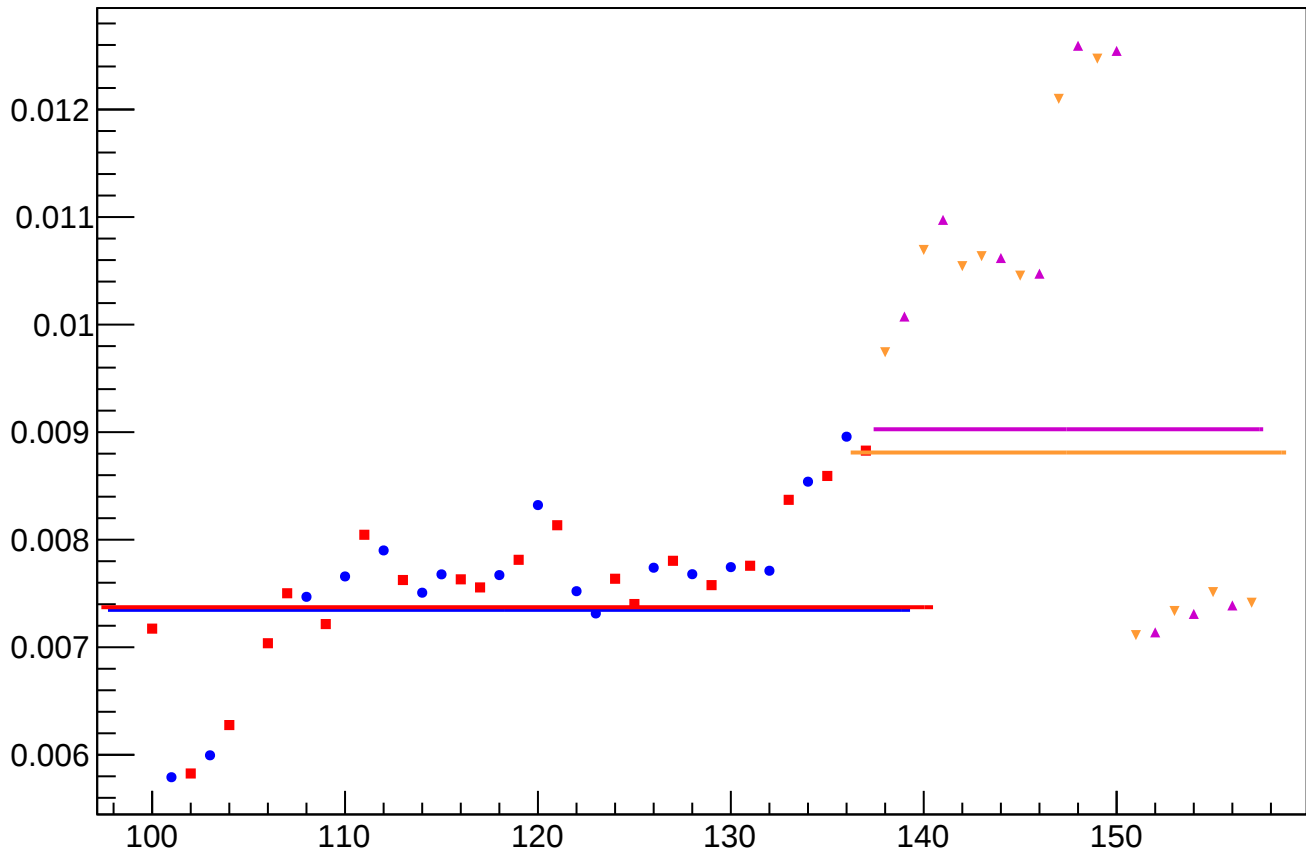
Left In: -0.697 $\pm$ 0.000 χ^2 /NDF: 37099989973.1/8

0.511 $\pm$ 0.000 χ^2 /NDF: 265787110586.4/27

0.545 $\pm$ 0.000 χ^2 /NDF: 535952836190.4/28

0.580 $\pm$ 0.000 χ^2 /NDF: 269651559444.2/28

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 228163.6/16

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 670825.7/10

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 172741.0/19

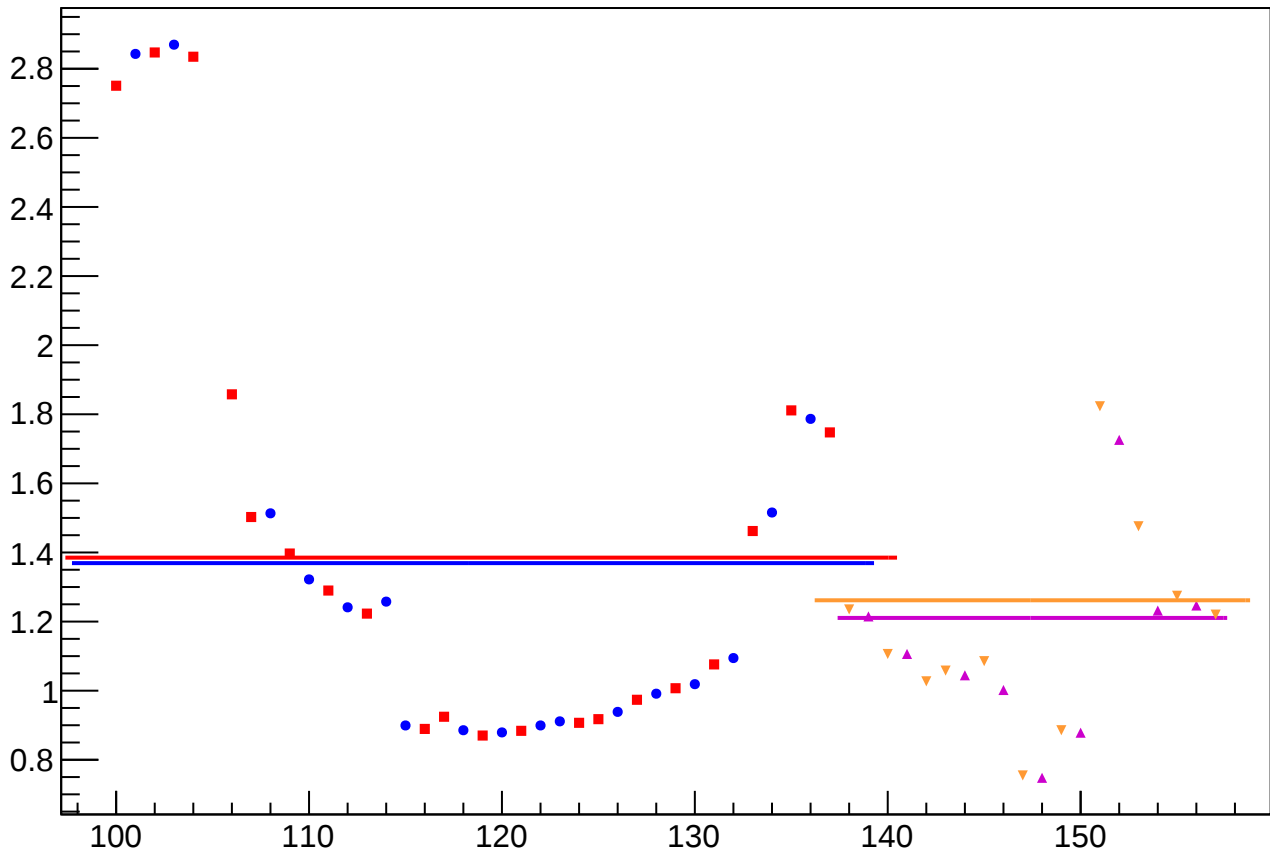
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 685450.5/8

0.008 $\pm$ 0.000 χ^2/NDF : 1134207.1/27

0.008 $\pm$ 0.000 χ^2/NDF : 2274207.3/56

0.008 $\pm$ 0.000 χ^2/NDF : 1139902.9/28

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.369+/-0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.262+/-0.000 χ^2/NDF : 8721843705.6/10

Right Out: 1.385+/-0.000 χ^2/NDF : 50114562617.6/19

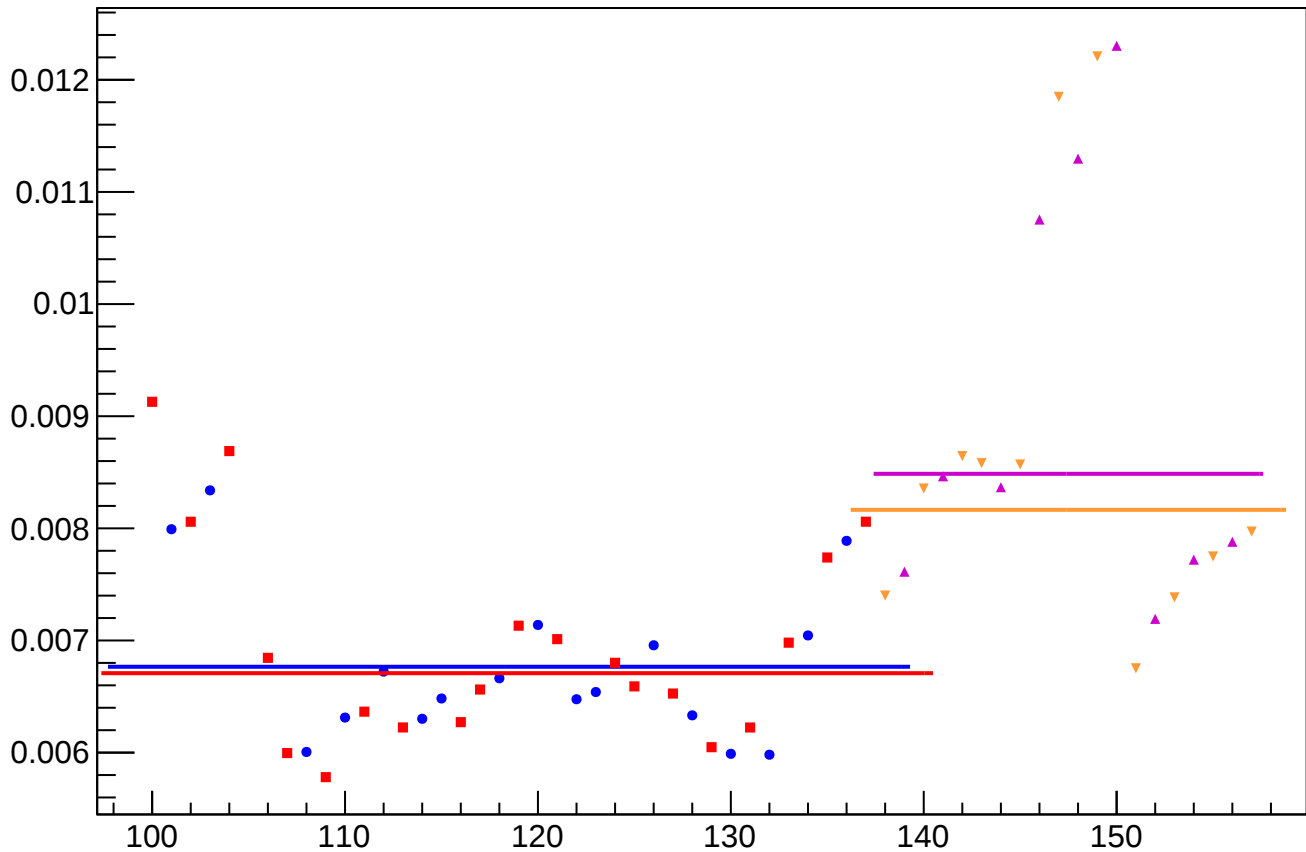
Left In: 1.211+/-0.000 χ^2/NDF : 6818908303.5/8

1.322+/-0.000 χ^2/NDF : 63663119405.3/27

1.321+/-0.000 χ^2/NDF : 122397287882.5/27

1.319+/-0.000 χ^2/NDF : 58733252966.8/28

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 159554.9/16

Left Out: 0.008+/-0.000 χ^2/NDF : 405234.8/10

Right Out: 0.007+/-0.000 χ^2/NDF : 187869.7/19

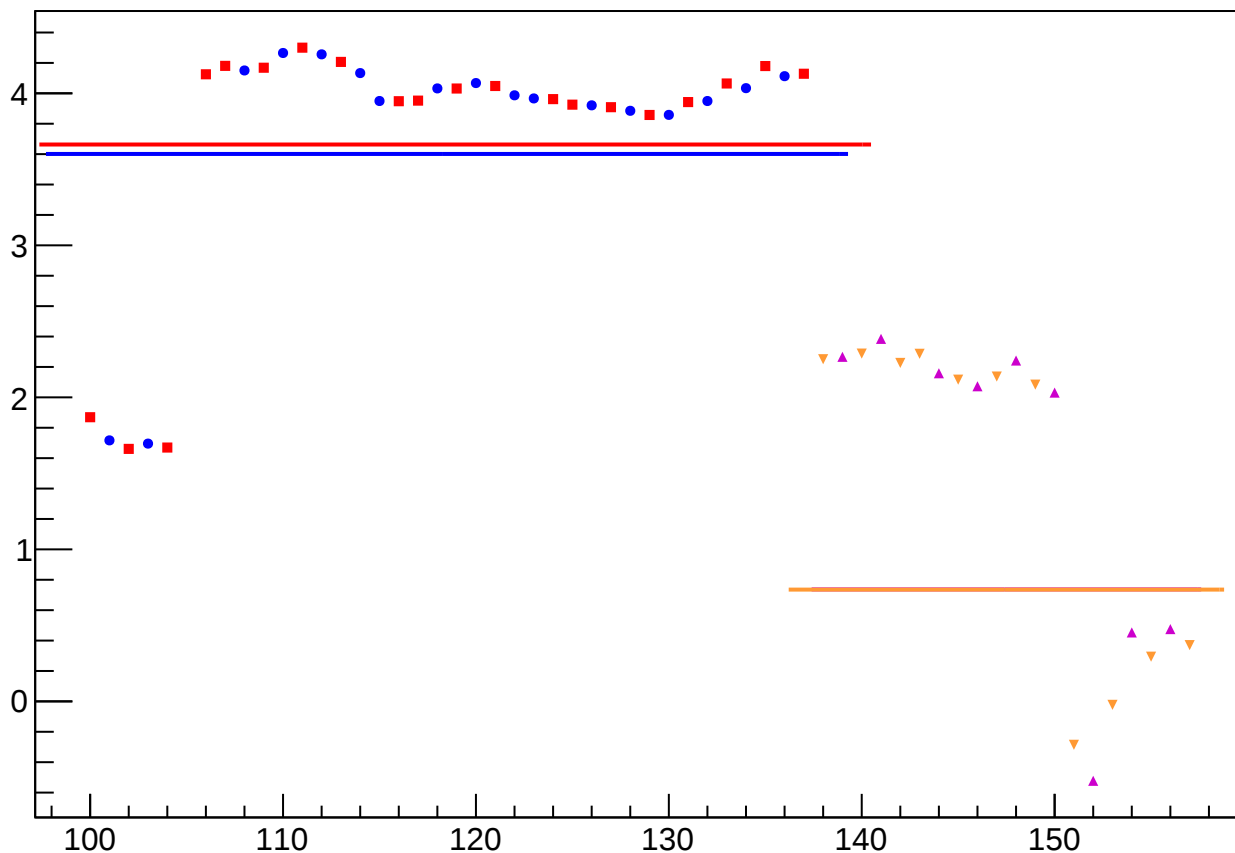
Left In: 0.008+/-0.000 χ^2/NDF : 407648.6/8

0.007+/-0.000 χ^2/NDF : 813917.9/27

0.007+/-0.000 χ^2/NDF : 1783158.0/56

0.007+/-0.000 χ^2/NDF : 969239.4/28

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.601 $\pm$ 0.000 χ^2/NDF : 185806937655.3/16

Left Out: 0.735 $\pm$ 0.000 χ^2/NDF : 244666972148.5/10

Right Out: 3.663 $\pm$ 0.000 χ^2/NDF : 192640409625.9/19

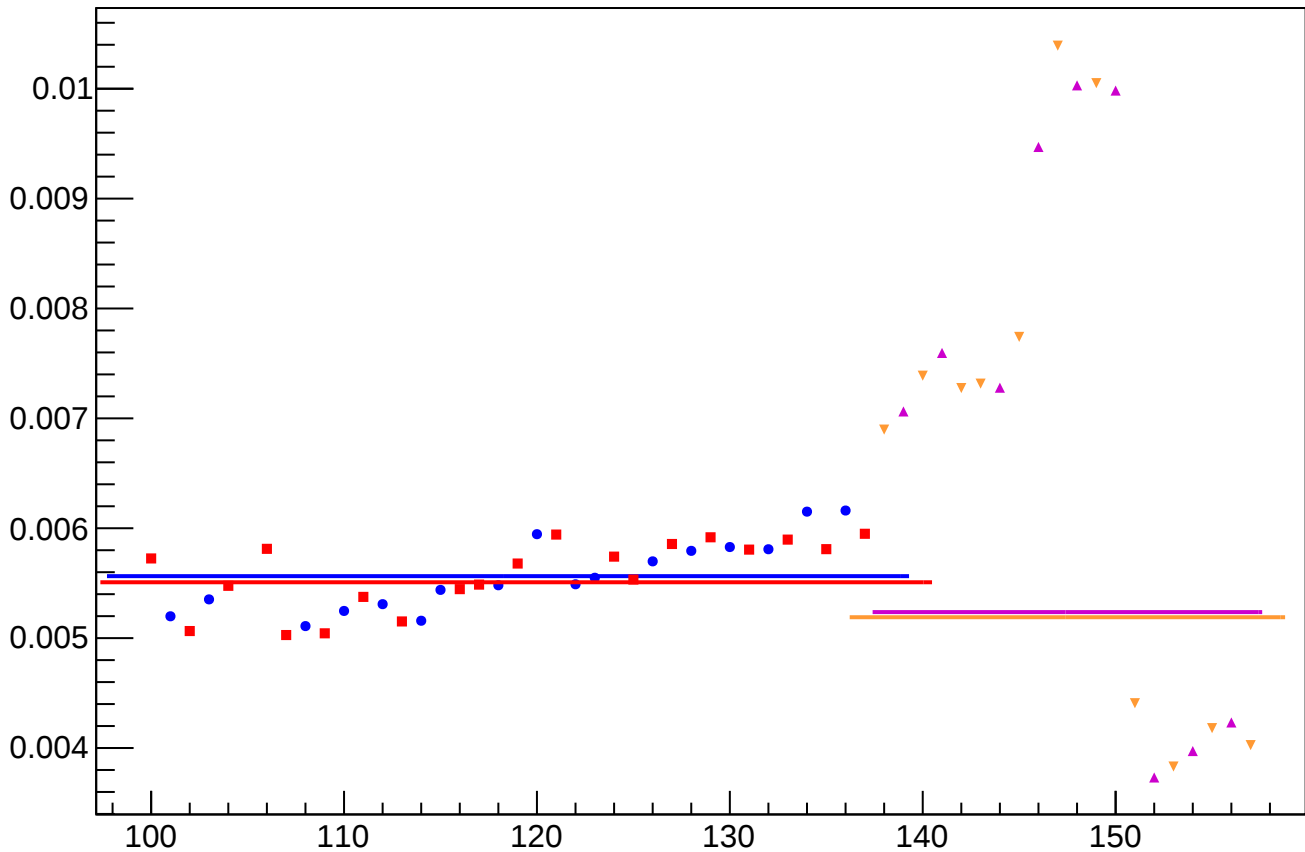
Left In: 0.737 $\pm$ 0.000 χ^2/NDF : 244681748570.1/8

2.056 $\pm$ 0.000 χ^2/NDF : 1386481542058.2/27

2.145 $\pm$ 0.000 χ^2/NDF : 2793772467542.9

2.238 $\pm$ 0.000 χ^2/NDF : 1399733181197.7/28

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 47588.2/16

Left Out: 0.005+/-0.000 χ^2/NDF : 1692265.1/10

Right Out: 0.006+/-0.000 χ^2/NDF : 52636.1/19

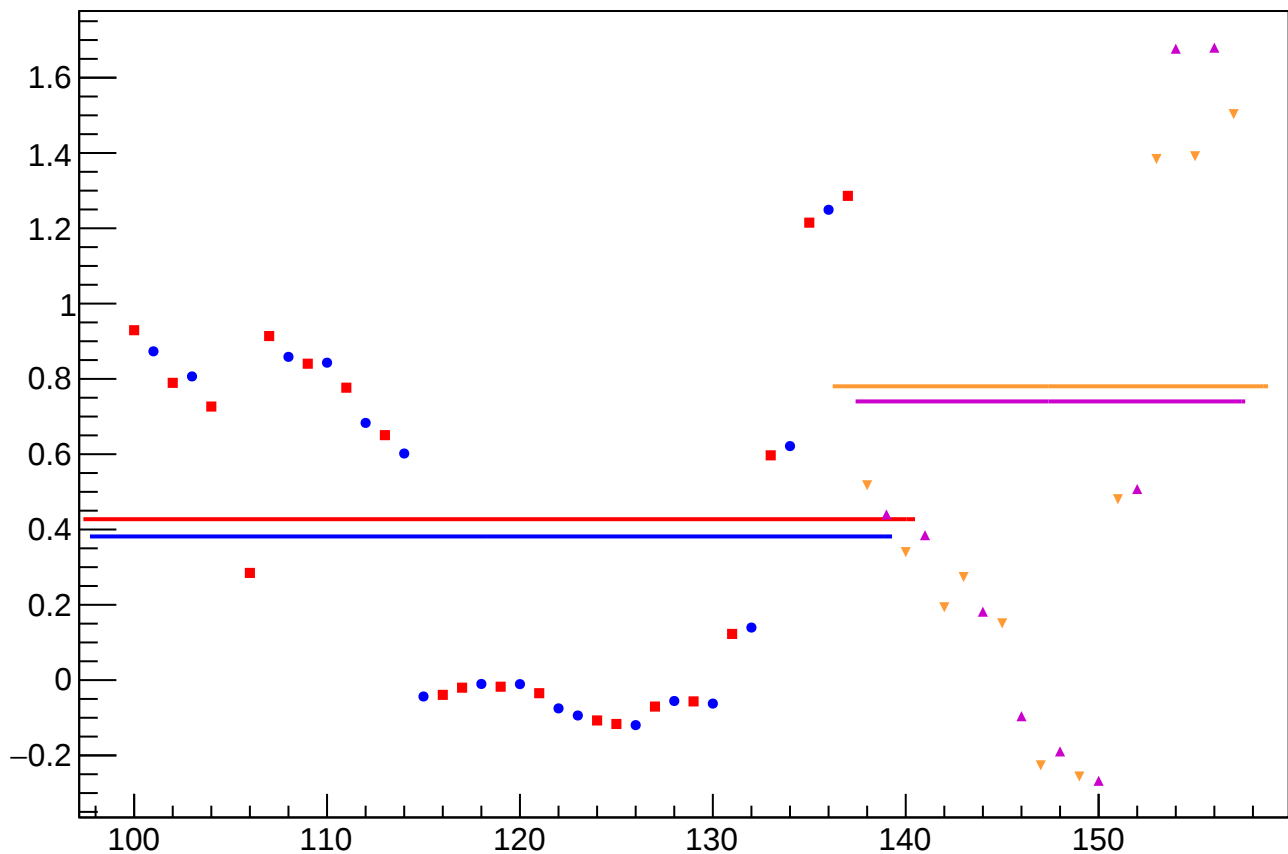
Left In: 0.005+/-0.000 χ^2/NDF : 1859199.1/8

0.005+/-0.000 χ^2/NDF : 1772400.8/27

0.005+/-0.000 χ^2/NDF : 3700880.8/56

0.005+/-0.000 χ^2/NDF : 1928394.6/28

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.382+/-0.000 χ^2/NDF : 7124759123.1/16

Left Out: 0.780+/-0.000 χ^2/NDF : 18314074759.4/10

Right Out: 0.427+/-0.000 χ^2/NDF : 6716521382.4/19

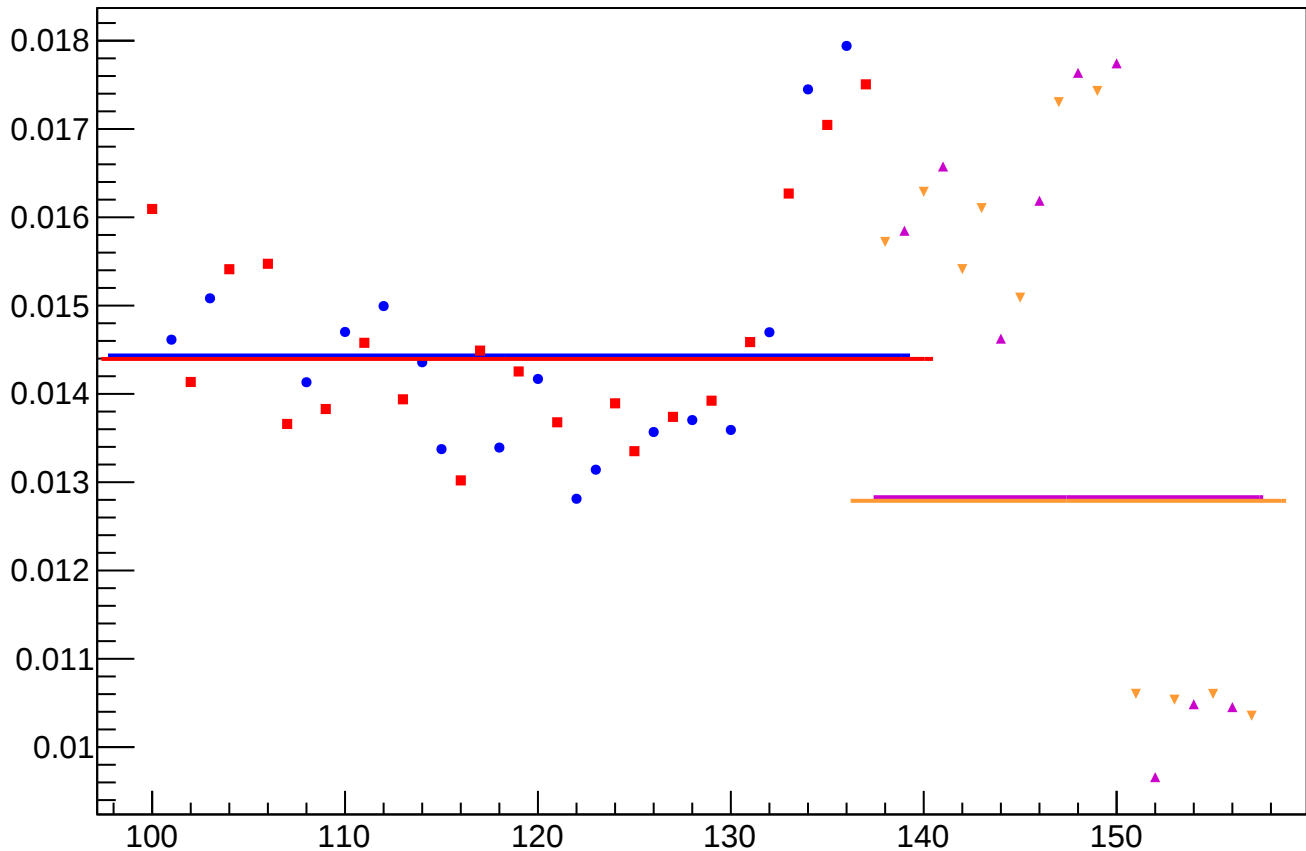
Left In: 0.740+/-0.000 χ^2/NDF : 22321857009.9/8

0.619+/-0.000 χ^2/NDF : 28445868804.6/27

0.610+/-0.000 χ^2/NDF : 59316429135.2/5

0.600+/-0.000 χ^2/NDF : 30856930533.7/28

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 110224.4/16

Left Out: 0.013+/-0.000 χ^2/NDF : 743131.9/10

Right Out: 0.014+/-0.000 χ^2/NDF : 74535.1/19

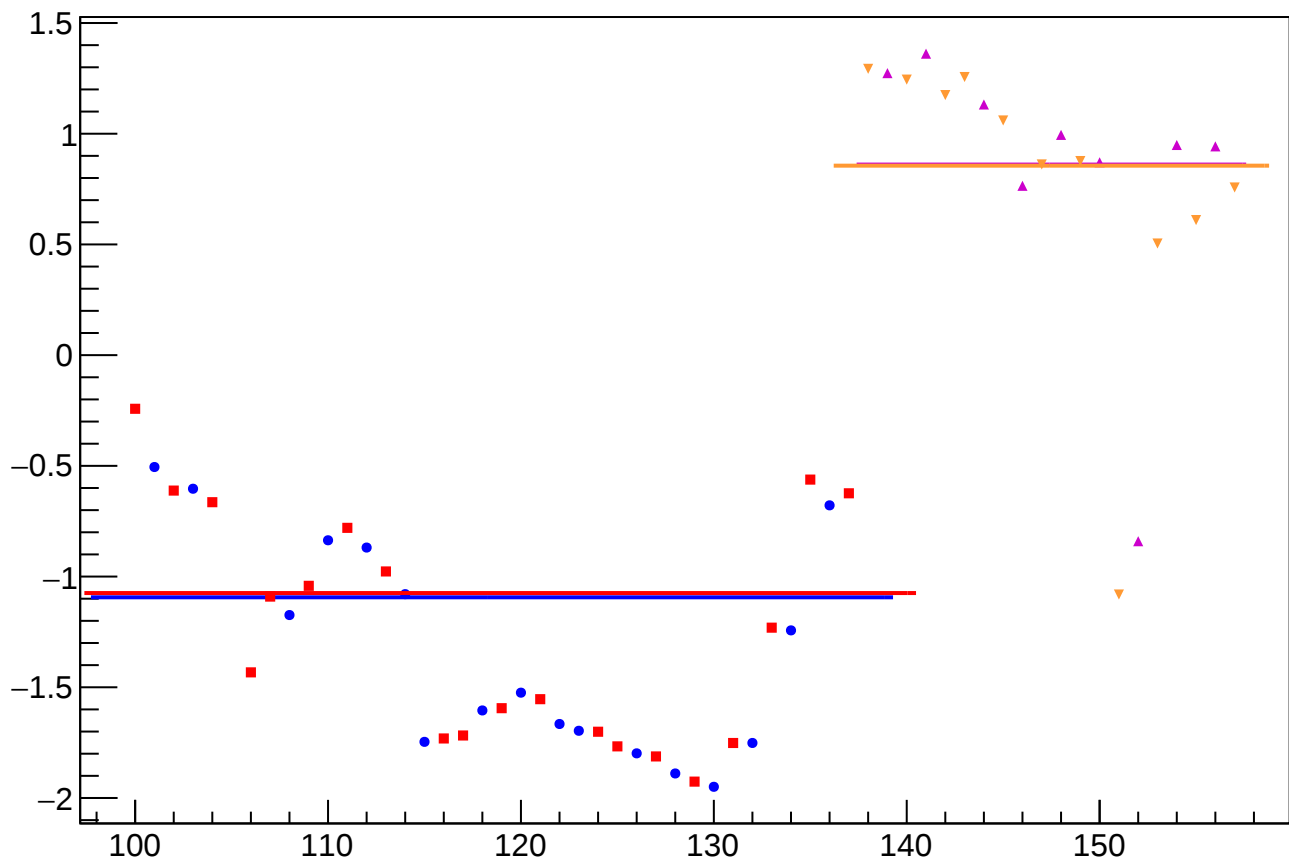
Left In: 0.013+/-0.000 χ^2/NDF : 816928.8/8

0.013+/-0.000 χ^2/NDF : 955756.4/27

0.013+/-0.000 χ^2/NDF : 1938851.5/56

0.014+/-0.000 χ^2/NDF : 982648.1/28

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.094+/-0.000 χ^2/NDF : 55960104370.4/16

Left Out: 0.856+/-0.000 χ^2/NDF : 120720036970.9/10

Right Out: -1.074+/-0.000 χ^2/NDF : 47208439320.8/19

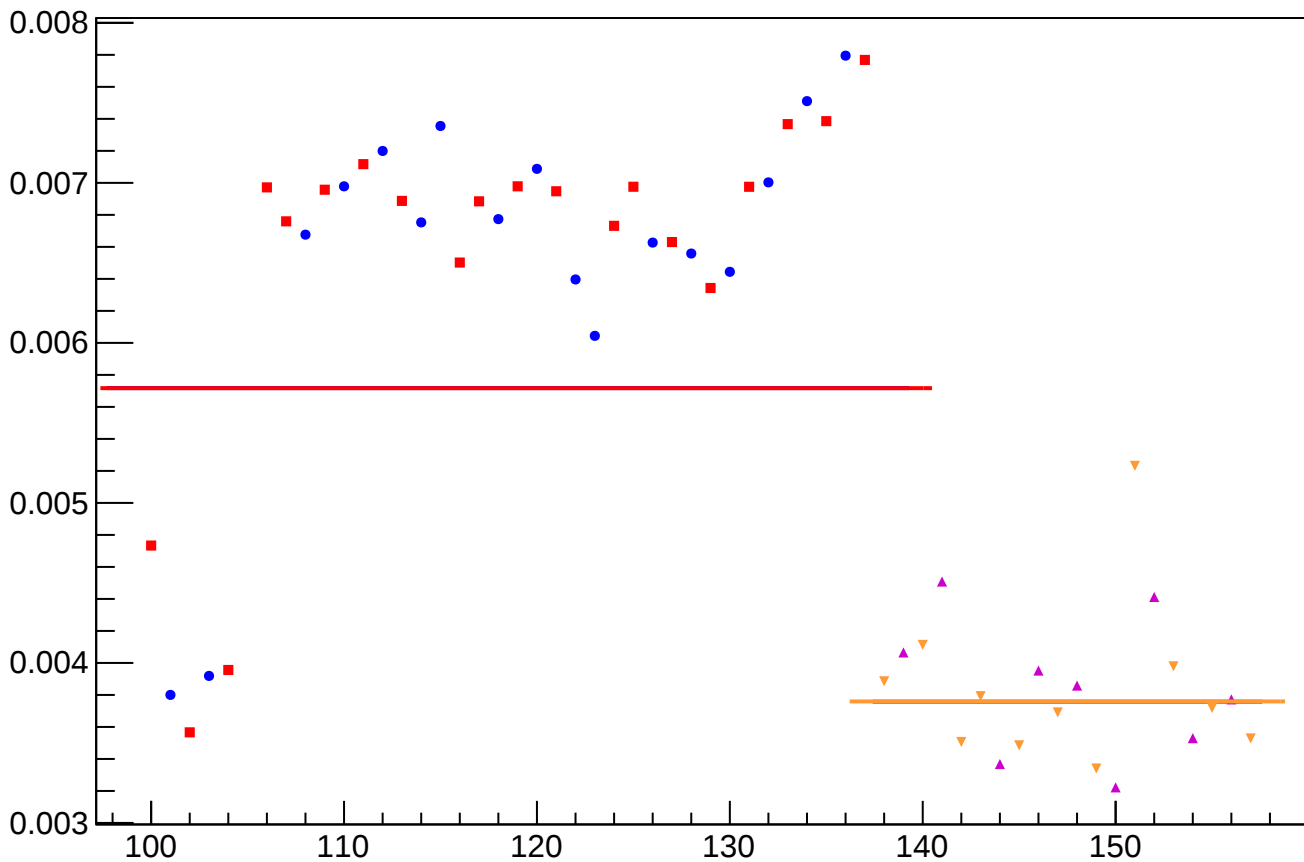
Left In: 0.861+/-0.000 χ^2/NDF : 138800446874.6/8

0.340+/-0.000 χ^2/NDF : 684390138144.6/27

0.316+/-0.000 χ^2/NDF : 1371624470729.9

0.289+/-0.000 χ^2/NDF : 686378556353.7/28

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 837775.0/16

Left Out: 0.004+/-0.000 χ^2/NDF : 153234.6/10

Right Out: 0.006+/-0.000 χ^2/NDF : 925957.4/19

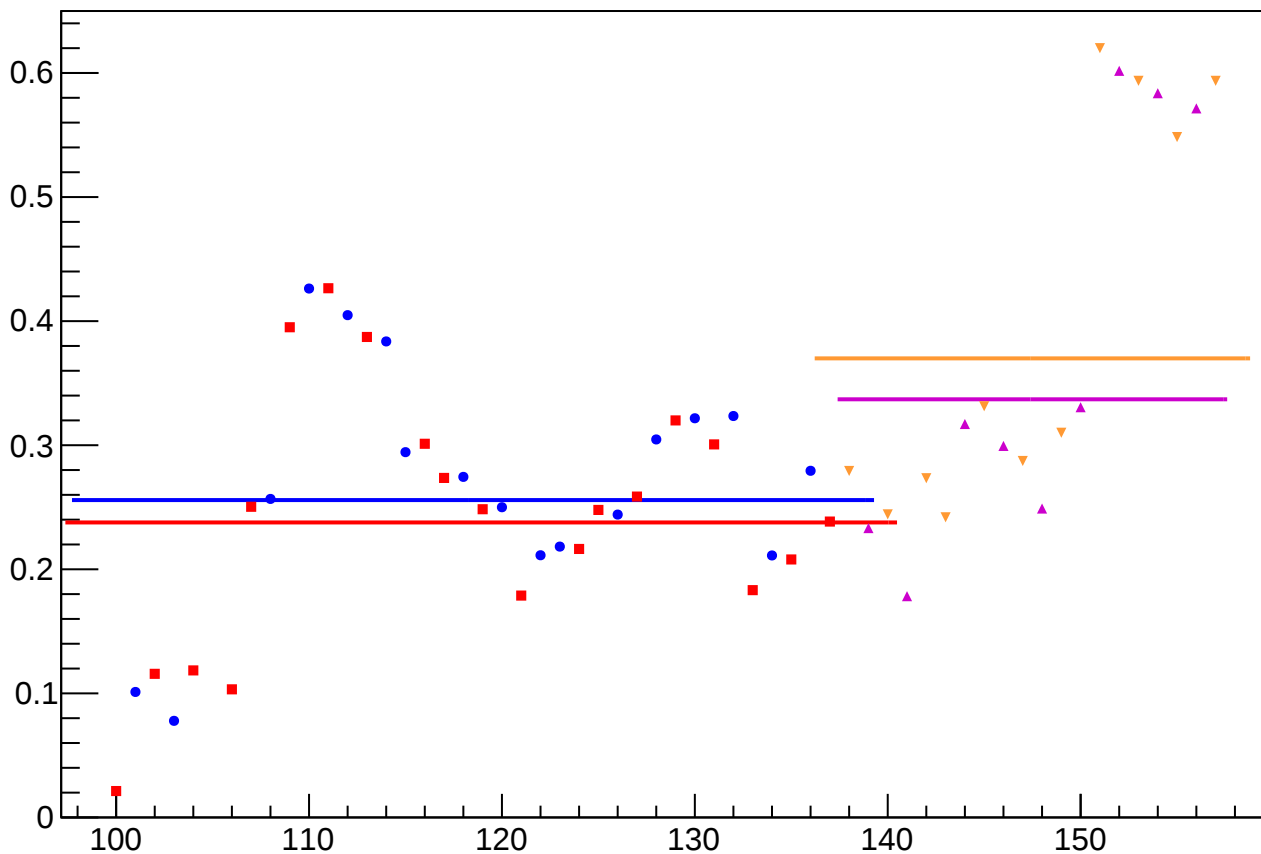
Left In: 0.004+/-0.000 χ^2/NDF : 158179.8/8

0.004+/-0.000 χ^2/NDF : 2015533.3/27

0.004+/-0.000 χ^2/NDF : 4128008.6/56

0.004+/-0.000 χ^2/NDF : 2110170.9/28

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.256 $\pm$ 0.000 χ^2 /NDF: 21365489849.4/16

Left Out: 0.370 $\pm$ 0.000 χ^2 /NDF: 50562906344.8/10

Right Out: 0.238 $\pm$ 0.000 χ^2 /NDF: 26077768189.7/19

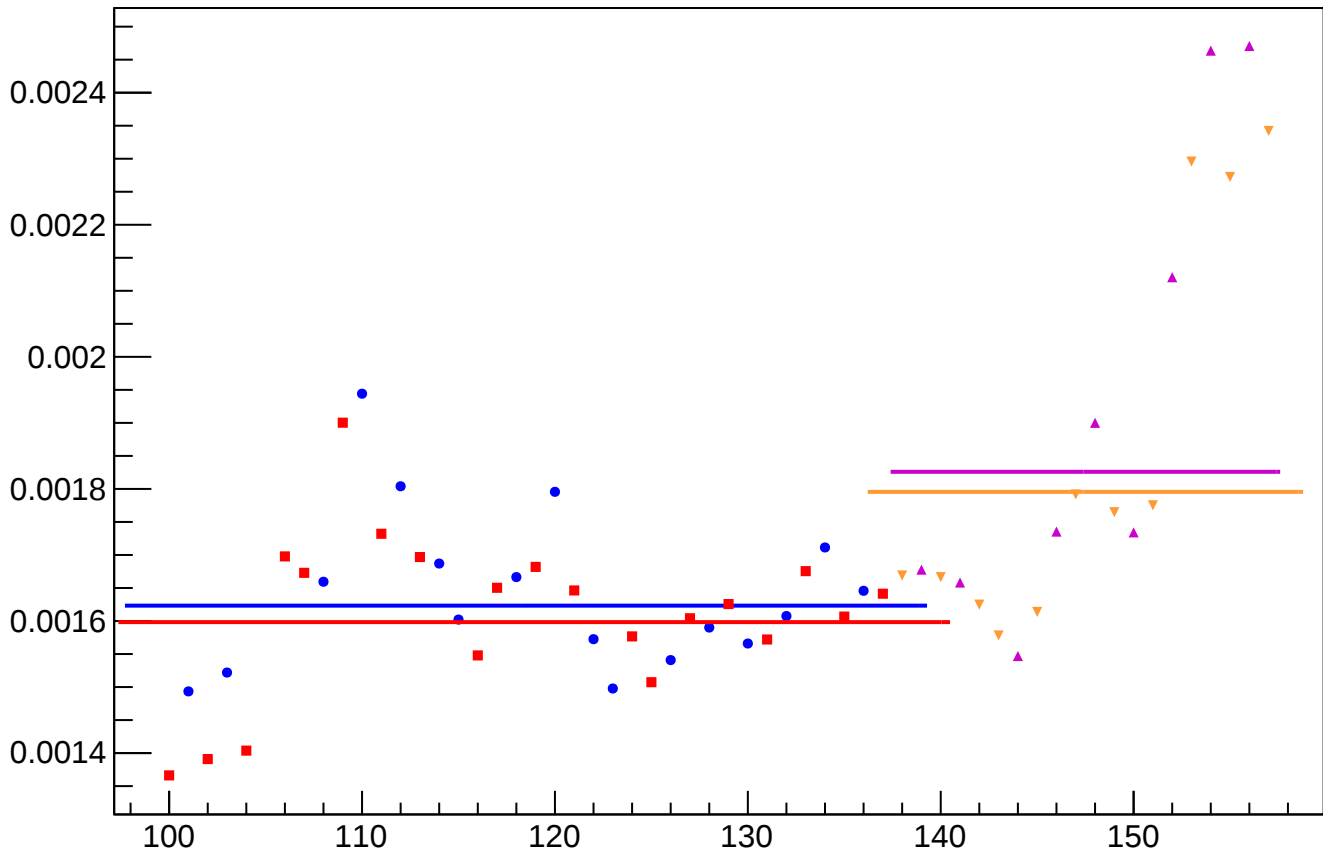
Left In: 0.337 $\pm$ 0.000 χ^2 /NDF: 40076436481.6/8

0.313 $\pm$ 0.000 χ^2 /NDF: 87881415202.0/27

0.297 $\pm$ 0.000 χ^2 /NDF: 168237256086.5/27

0.281 $\pm$ 0.000 χ^2 /NDF: 77838781980.3/28

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 : 298710.2/10

Right Out: 0.002+/-0.000 χ^2/NDF : 90764.4/19

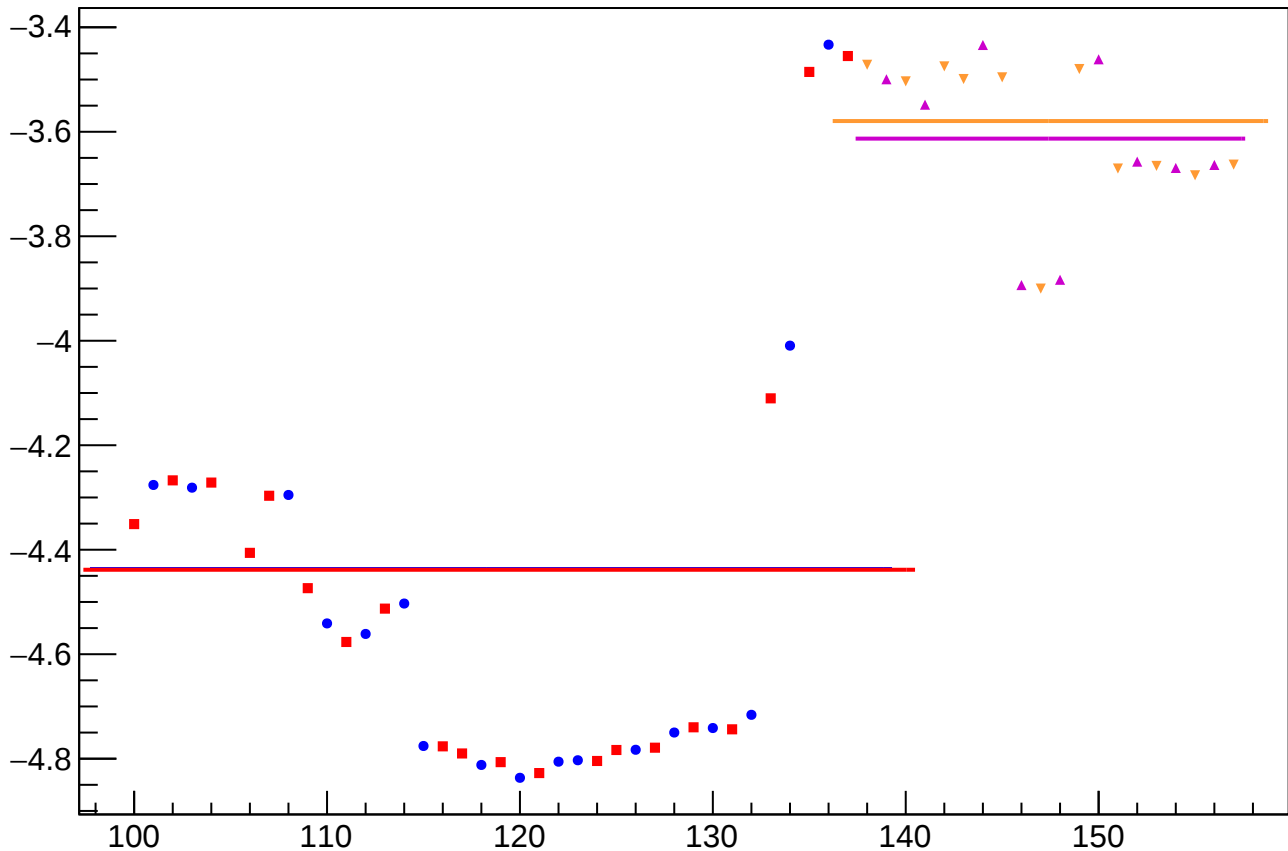
Left In: 0.002+/-0.000 χ^2/NDF : 341658.1/8

0.002+/-0.000 χ^2/NDF : 423789.5/27

0.002+/-0.000 χ^2/NDF : 979893.3/56

0.002+/-0.000 χ^2/NDF : 555336.9/28

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.437+/-0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.579+/-0.000 χ^2/NDF : 28463756435.5/10

-4.023+/-0.000 χ^2/NDF : 1130685521868.7/27

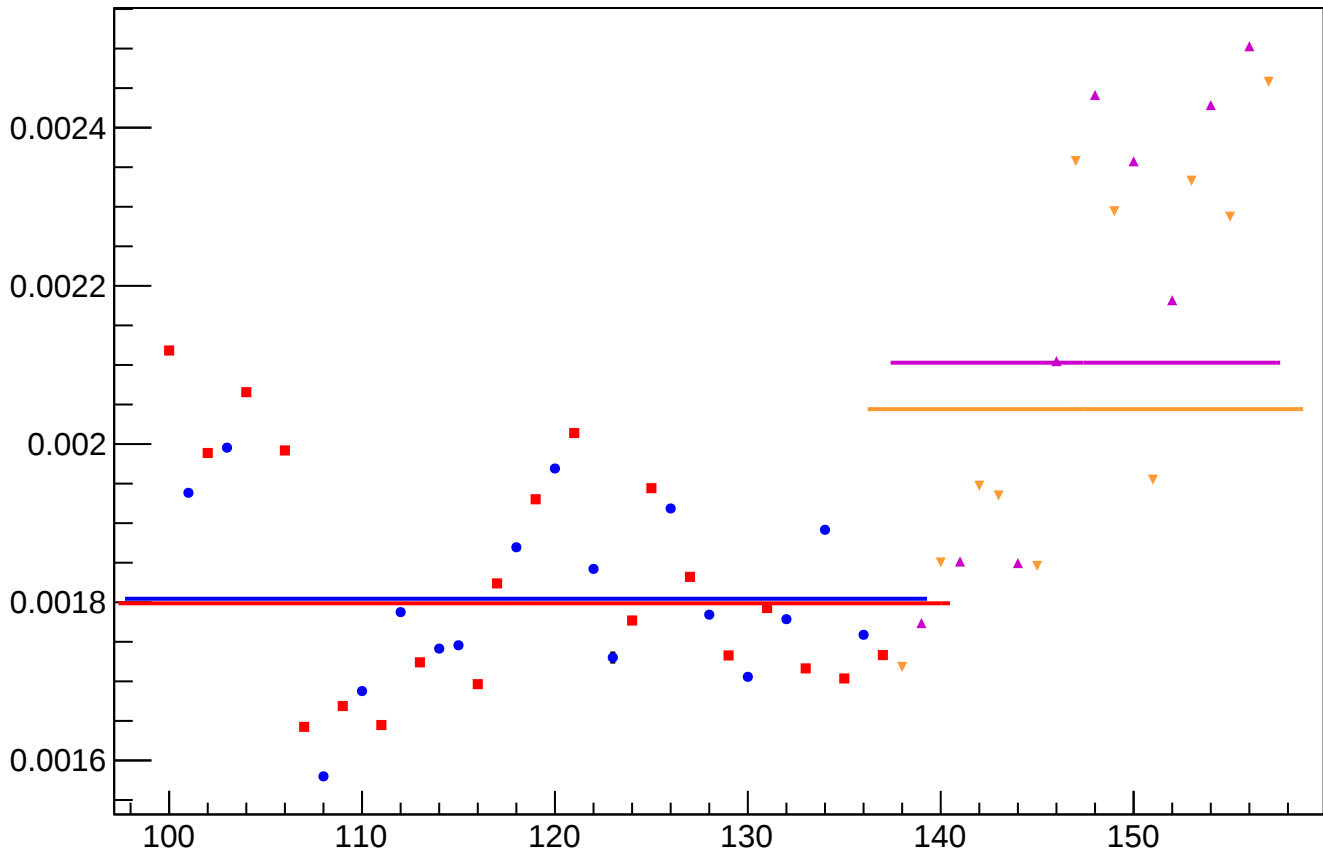
Right Out: -4.438+/-0.000 χ^2/NDF : 326800745779.7/19

-4.054+/-0.000 χ^2/NDF : 2125294637118.

-4.086+/-0.000 χ^2/NDF : 986967297674.3/28

Left In: -3.613+/-0.000 χ^2/NDF : 39621235294.3/8

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 :223104.8/10

Right Out: 0.002+/-0.000 χ^2/NDF : 81037.5/19

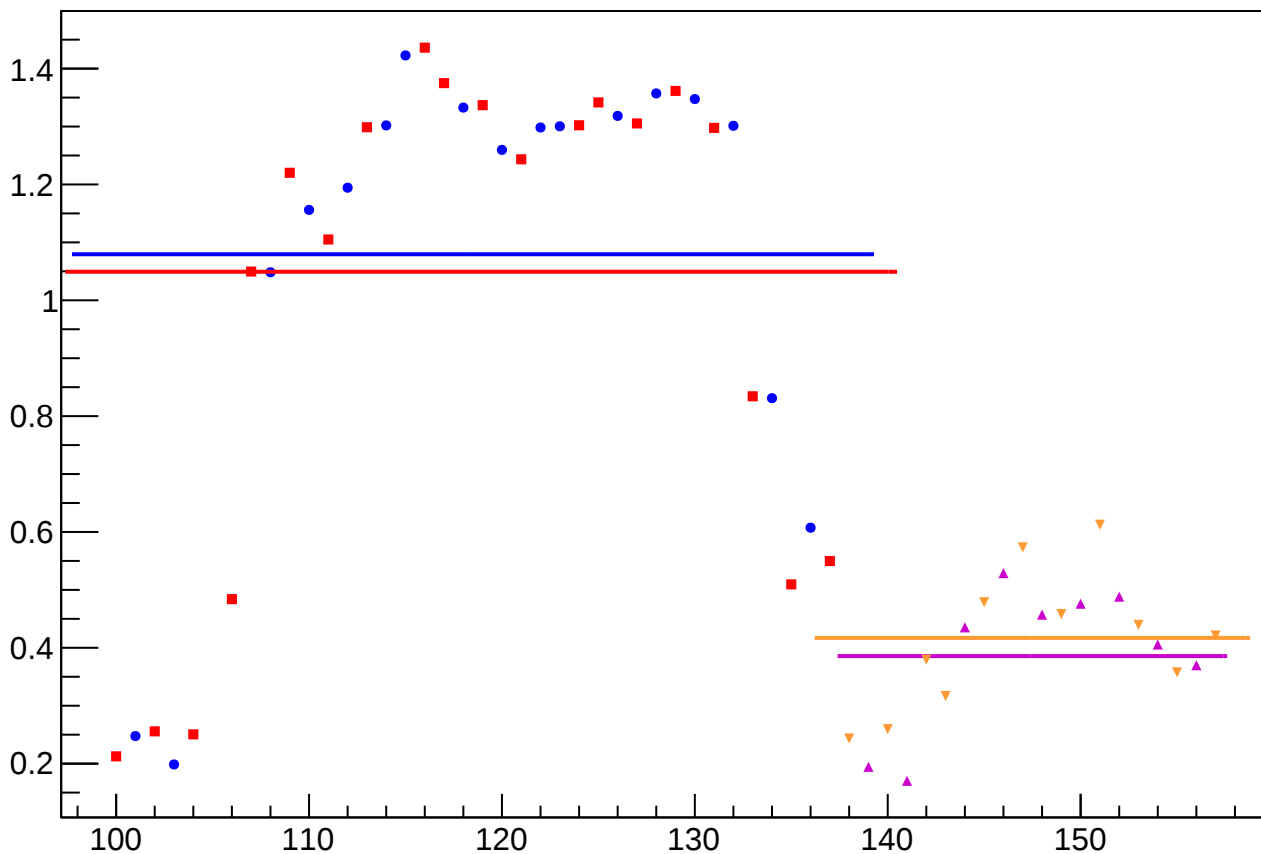
Left In: 0.002+/-0.000 χ^2/NDF :228990.8/8

0.002+/-0.000 χ^2/NDF : 383092.0/27

0.002+/-0.000 χ^2/NDF : 861969.1/56

0.002+/-0.000 χ^2/NDF : 478621.7/28

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 1.080 $\pm$ 0.000 χ^2 /NDF: 17533321220.5/16

Left Out: 0.417 $\pm$ 0.000 χ^2 /NDF: 1161513699.9/10

Right Out: 1.049 $\pm$ 0.000 χ^2 /NDF: 19787986428.4/19

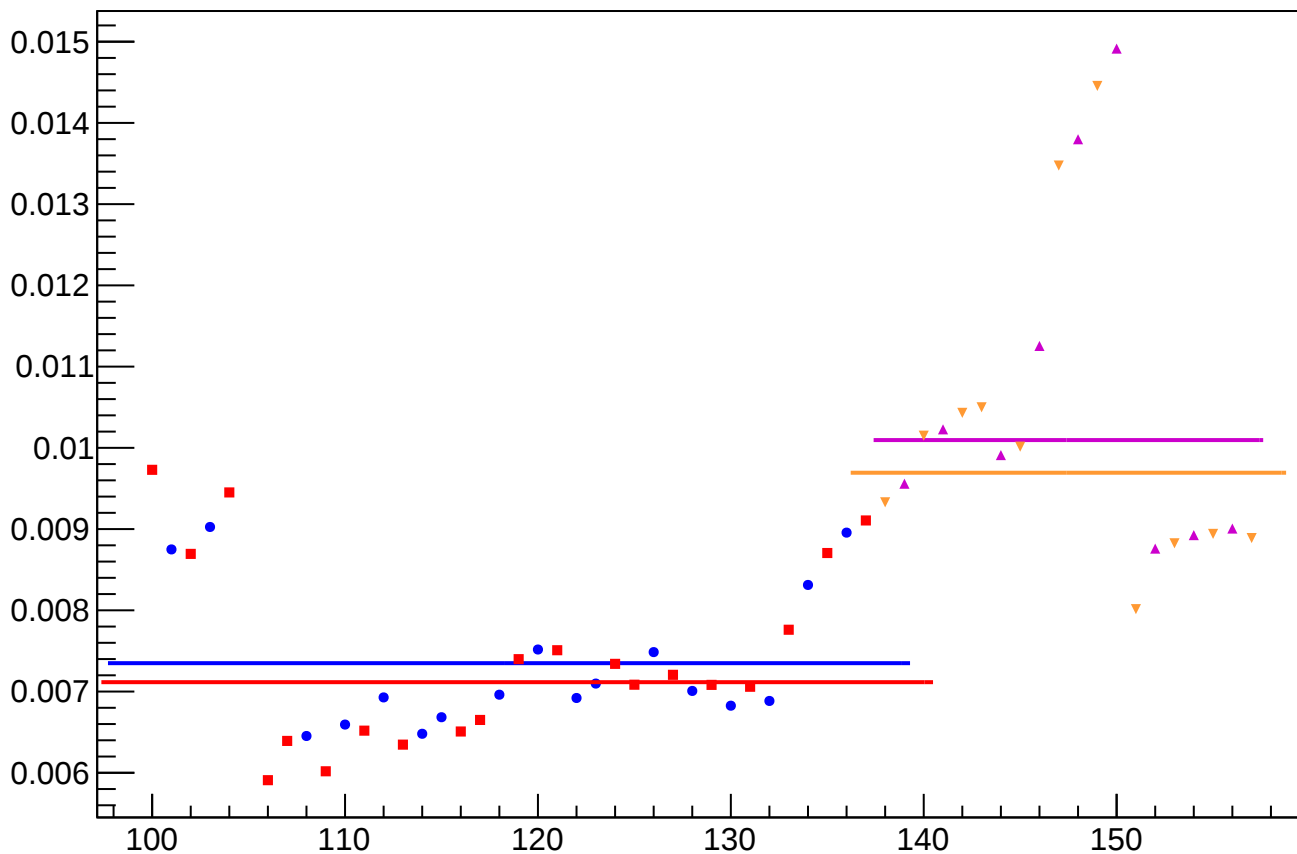
Left In: 0.386 $\pm$ 0.000 χ^2 /NDF: 968856165.2/8

0.810 $\pm$ 0.000 χ^2 /NDF: 40532322519.4/27

0.819 $\pm$ 0.000 χ^2 /NDF: 81685361310.9/5

0.828 $\pm$ 0.000 χ^2 /NDF: 41119802618.6/28

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 180818.7/16

Left Out: 0.010+/-0.000 χ^2/NDF : 423926.8/10

Right Out: 0.007+/-0.000 χ^2/NDF : 259539.3/19

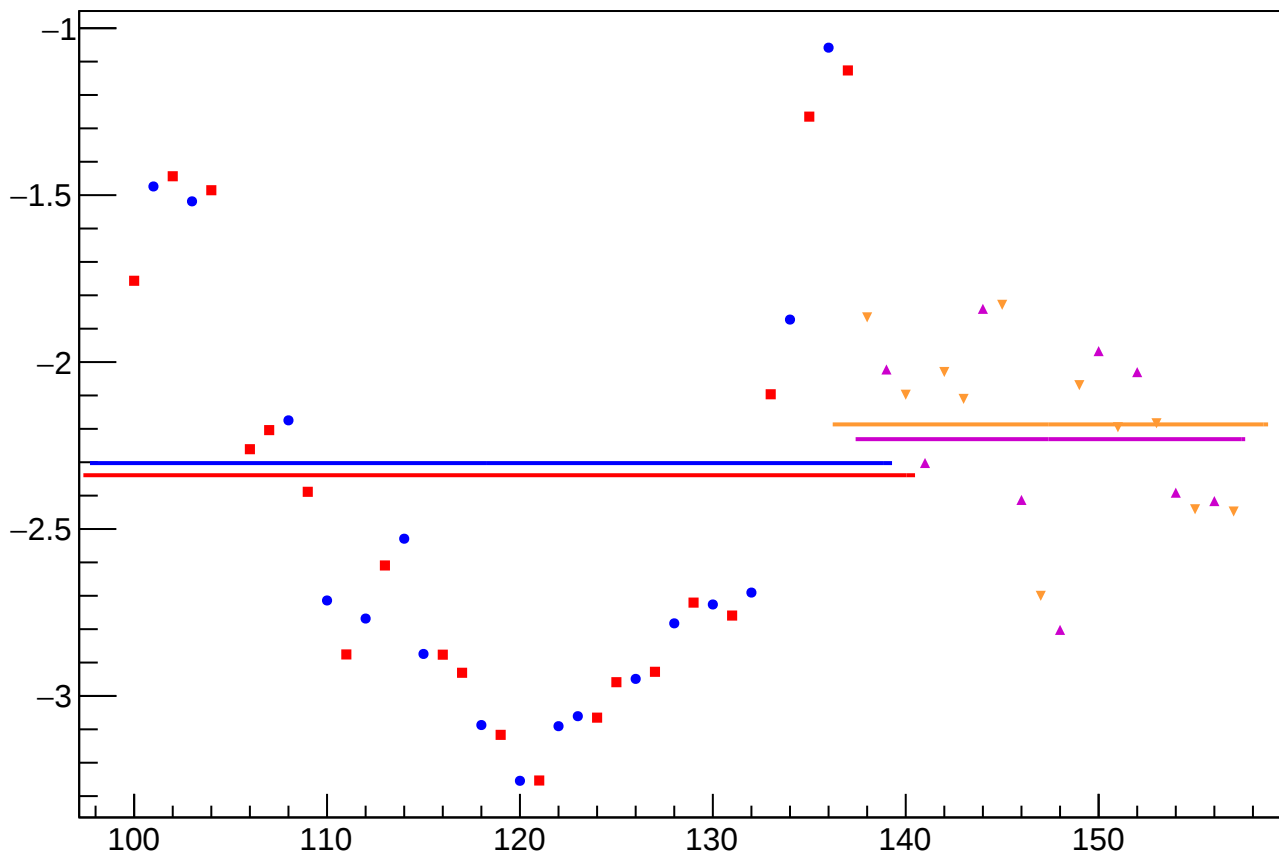
Left In: 0.010+/-0.000 χ^2/NDF : 407137.6/8

0.008+/-0.000 χ^2/NDF : 1151785.7/27

0.008+/-0.000 χ^2/NDF : 2647815.0/56

0.008+/-0.000 χ^2/NDF : 1488263.2/28

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.303+/-0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.187+/-0.000 χ^2/NDF : 5908478626.3/10

Right Out: -2.339+/-0.000 χ^2/NDF : 64804828308.5/19

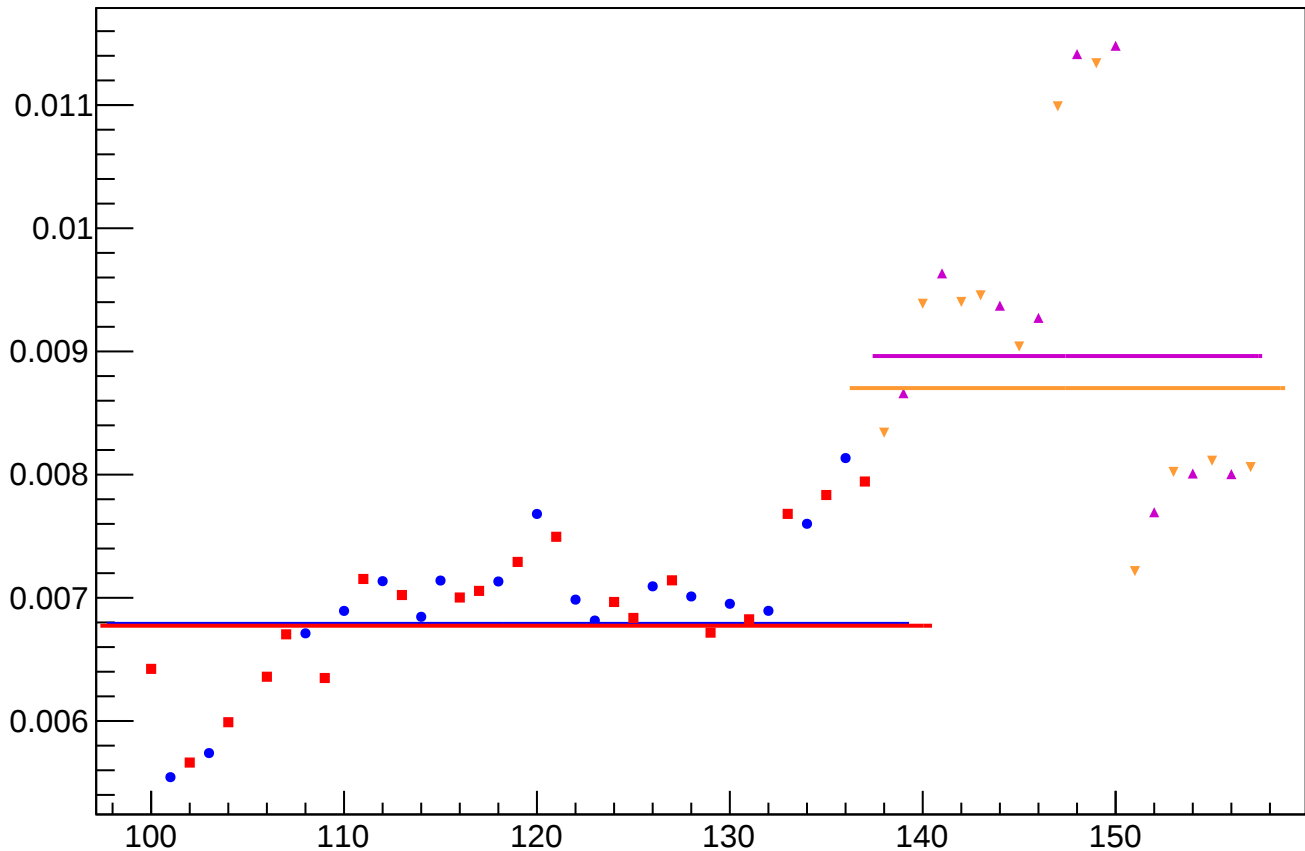
Left In: -2.231+/-0.000 χ^2/NDF : 6019992439.6/8

-2.254+/-0.000 χ^2/NDF : 80482431196.5/27

-2.276+/-0.000 χ^2/NDF : 152226905130.0

-2.299+/-0.000 χ^2/NDF : 71485574799.3/28

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 : 277627.3/10

Right Out: 0.007+/-0.000 χ^2/NDF : 123383.6/19

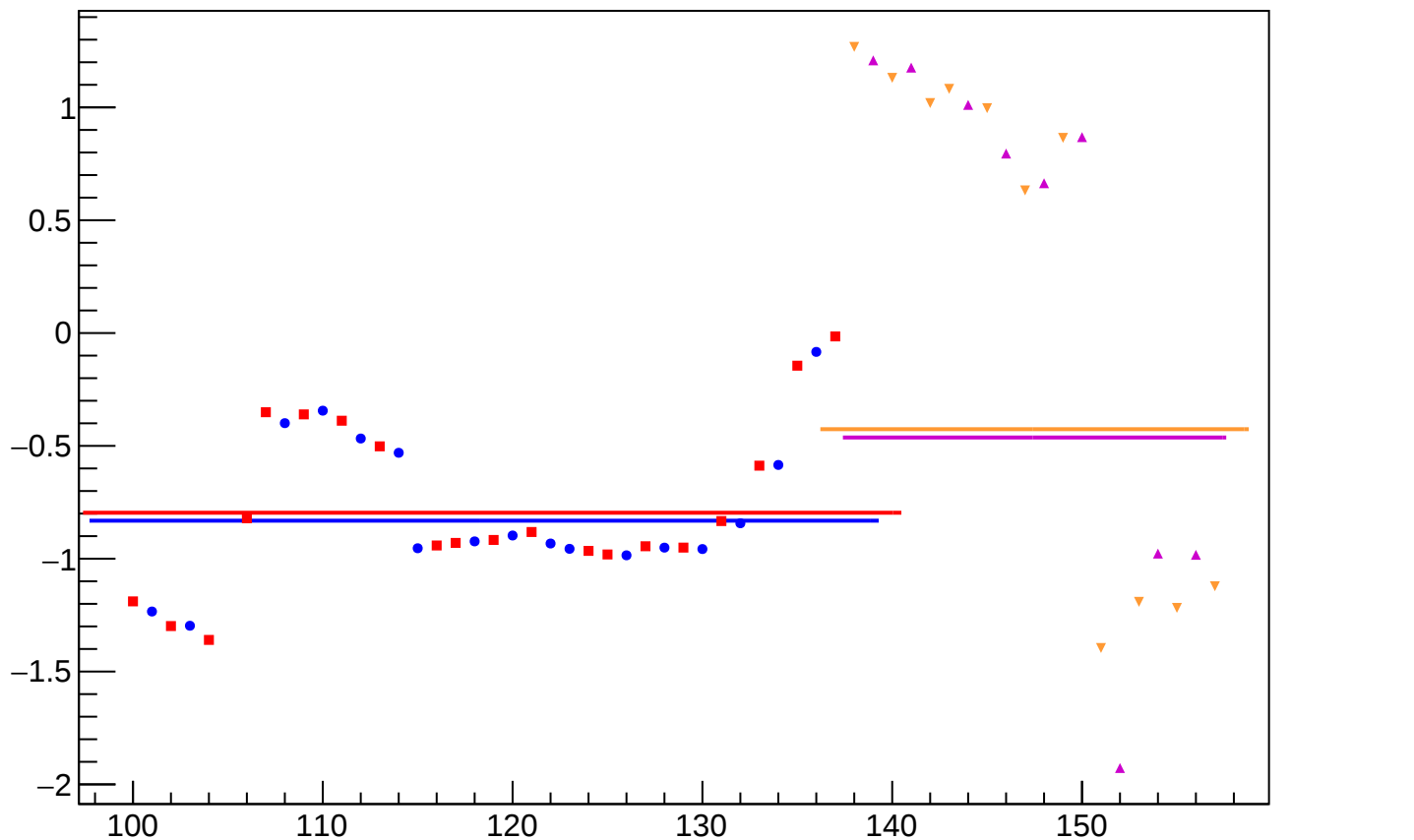
Left In: 0.009+/-0.000 χ^2/NDF : 263003.4/8

0.008+/-0.000 χ^2/NDF : 889071.4/27

0.008+/-0.000 χ^2/NDF : 1818100.1/56

0.008+/-0.000 χ^2/NDF : 928894.5/28

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831 ± 0.000 χ^2/NDF : 6692170860.9/16

Left Out: -0.426 ± 0.000 χ^2/NDF : 99667316572.9/10

Right Out: -0.796 ± 0.000 χ^2/NDF : 7827622544.3/19

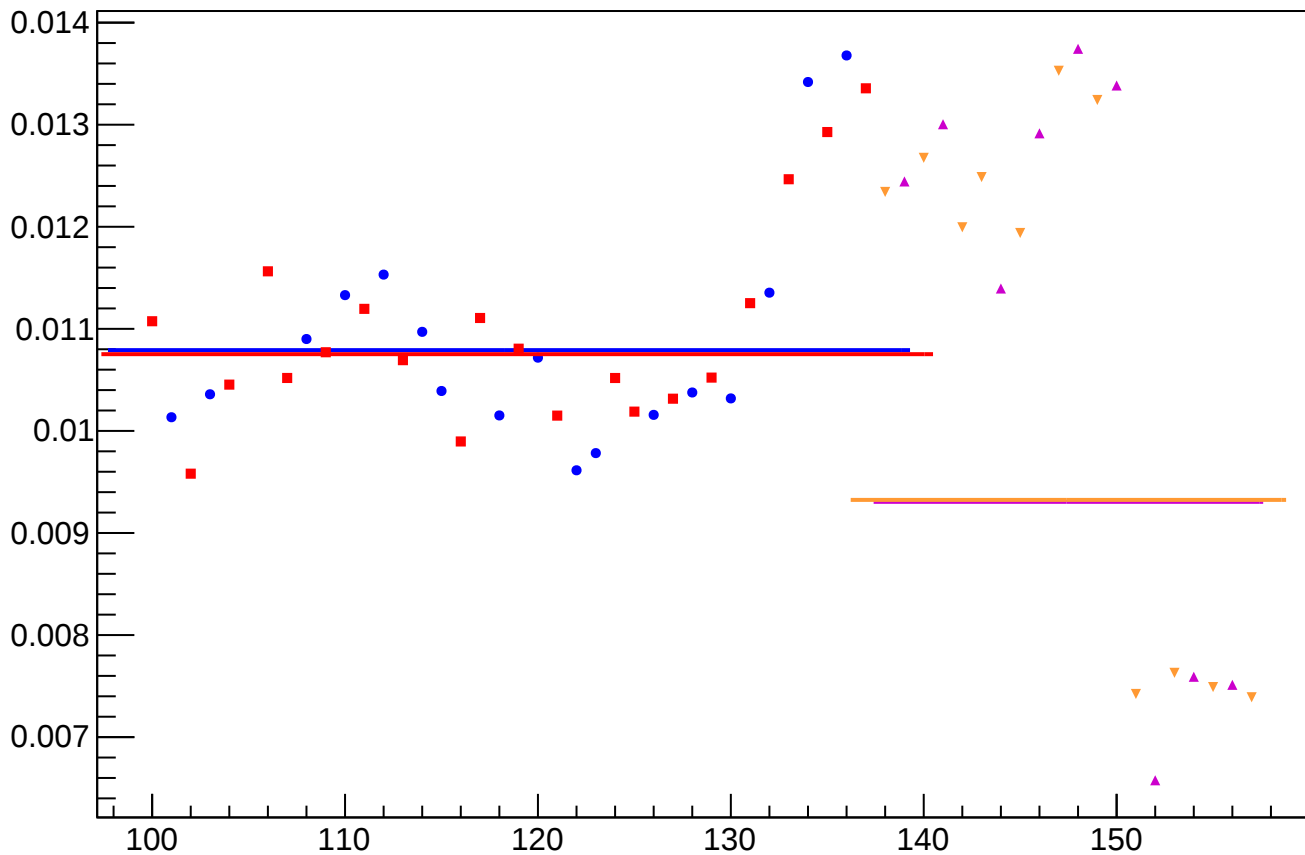
Left In: -0.463 ± 0.000 χ^2/NDF : 107918738683.4/8

-0.588 ± 0.000 χ^2/NDF : 111937935059.5/27

-0.599 ± 0.000 χ^2/NDF : 231441530663.1

-0.610 ± 0.000 χ^2/NDF : 119468351529.3/28

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 125802.4/16

Left Out: 0.009+/-0.000 χ^2/NDF : 1047762.4/10

Right Out: 0.011+/-0.000 χ^2/NDF : 90303.3/19

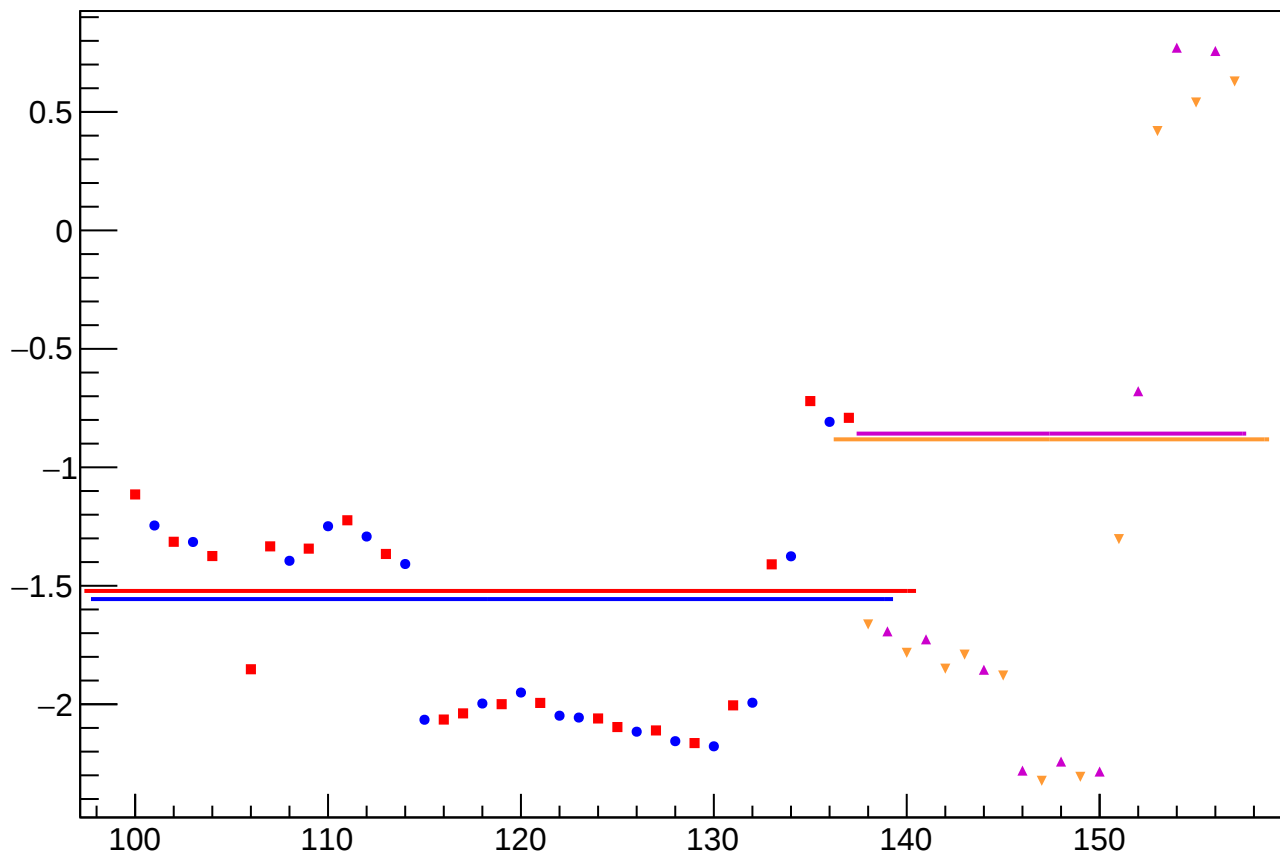
Left In: 0.009+/-0.000 χ^2/NDF : 1166128.9/8

0.010+/-0.000 χ^2/NDF : 1319701.5/27

0.010+/-0.000 χ^2/NDF : 2716494.7/56

0.010+/-0.000 χ^2/NDF : 1396618.0/28

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: -0.882+/-0.000 χ^2/NDF : 1055233990692.6/10

Right Out: -1.522+/-0.000 χ^2/NDF : 139385229659.4/19

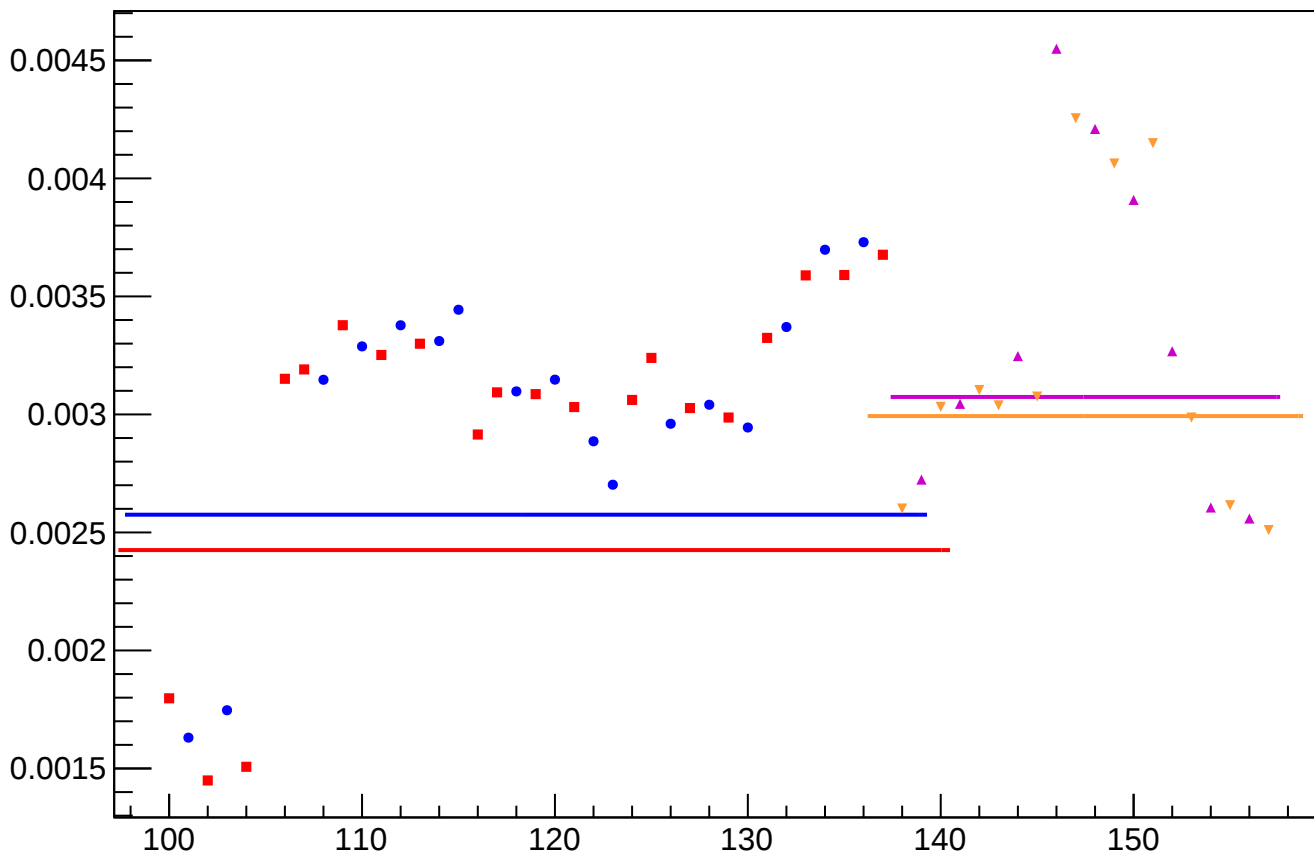
Left In: -0.858+/-0.000 χ^2/NDF : 991481505904.0/8

-1.237+/-0.000 χ^2/NDF : 1393979875662.2/27

-1.246+/-0.000 χ^2/NDF : 2696174694304.0/28

-1.256+/-0.000 χ^2/NDF : 1301890092679.0/28

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 1013833.9/16

Left Out: 0.003+/-0.000 χ^2/NDF : 396599.0/10

Right Out: 0.002+/-0.000 χ^2/NDF : 1493210.7/19

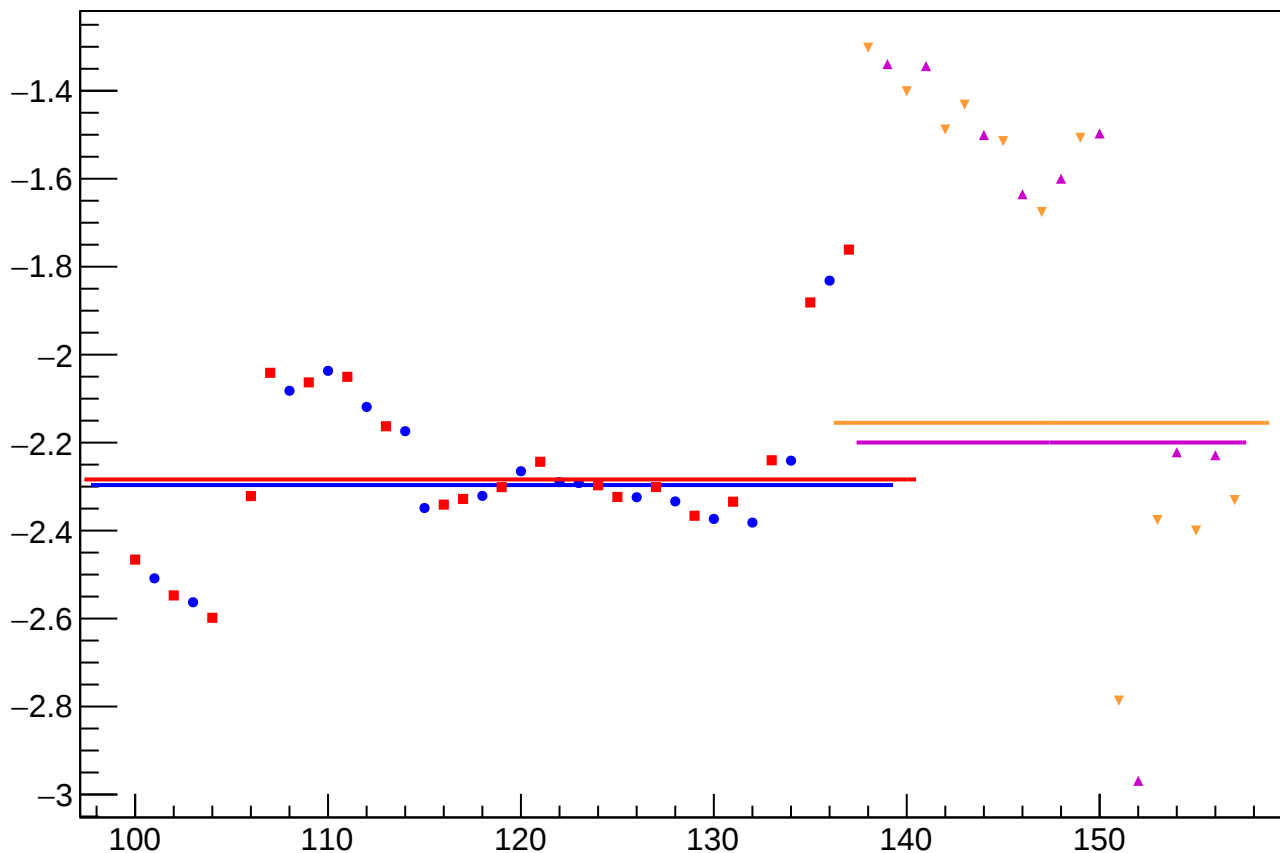
Left In: 0.003+/-0.000 χ^2/NDF : 398822.6/8

0.003+/-0.000 χ^2/NDF : 1551647.1/27

0.003+/-0.000 χ^2/NDF : 3782705.2/56

0.003+/-0.000 χ^2/NDF : 2218425.4/28

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -2.155+/-0.000 χ^2/NDF : 48657648130.4/10

Right Out: -2.284+/-0.000 χ^2/NDF : 6550363990.6/19

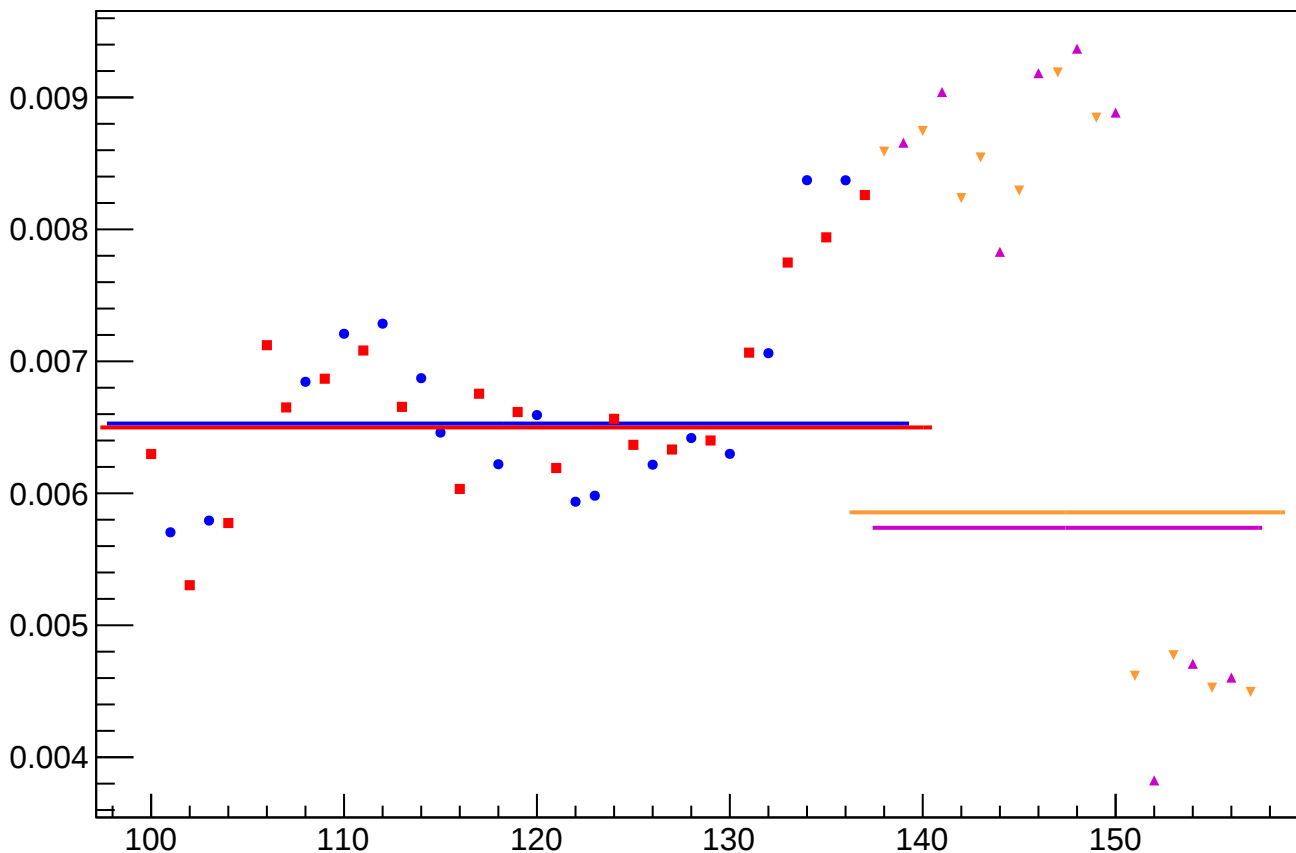
Left In: -2.200+/-0.000 χ^2/NDF : 63608262412.8/8

-2.215+/-0.000 χ^2/NDF : 56187286217.2/27

-2.227+/-0.000 χ^2/NDF : 127054496904.8

-2.239+/-0.000 χ^2/NDF : 70769249993.5/28

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 176467.7/16

Left Out: 0.006+/-0.000 χ^2/NDF : 1453876.5/10

Right Out: 0.006+/-0.000 χ^2/NDF : 164253.8/19

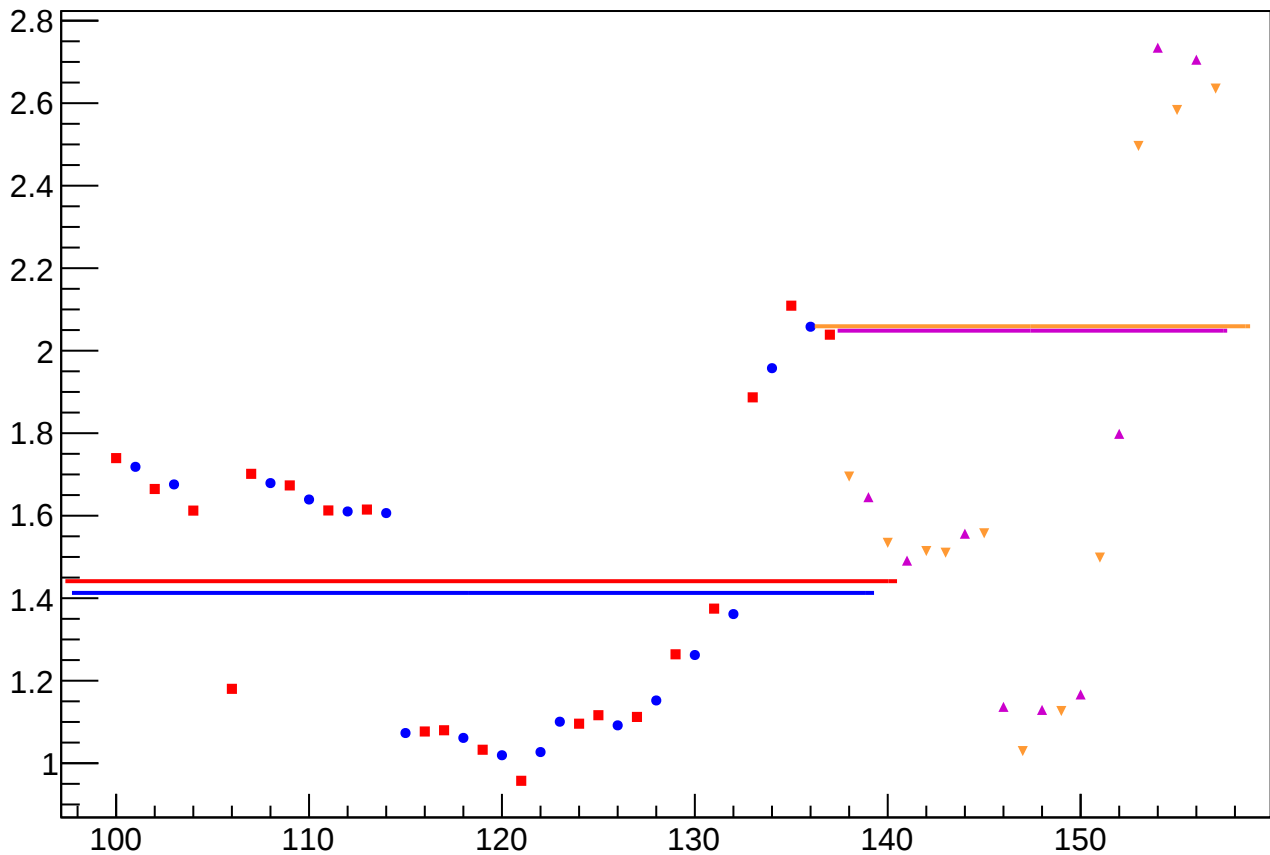
Left In: 0.006+/-0.000 χ^2/NDF : 1691306.1/8

0.006+/-0.000 χ^2/NDF : 1709367.8/27

0.006+/-0.000 χ^2/NDF : 3665914.6/56

0.006+/-0.000 χ^2/NDF : 1955663.3/28

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 2.059+/-0.000 χ^2/NDF : 123624891562.6/10

1.549+/-0.000 χ^2/NDF : 430516530464.9/27

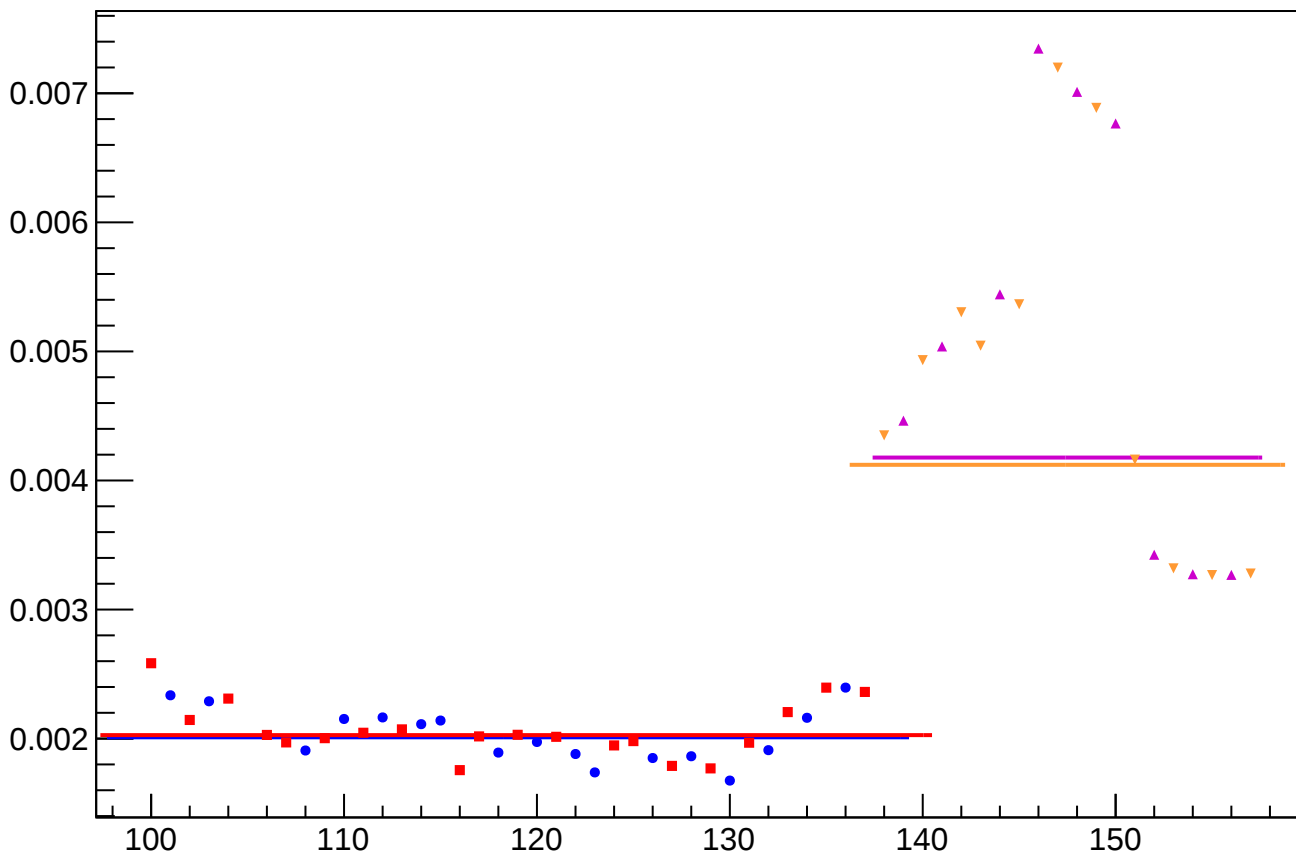
1.550+/-0.000 χ^2/NDF : 834027774877.0/19

Right Out: 1.441+/-0.000 χ^2/NDF : 174346888744.4/19

1.550+/-0.000 χ^2/NDF : 403509934324.1/28

Left In: 2.049+/-0.000 χ^2/NDF : 124295588508.8/8

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 152530.4/16

Left Out: 0.004+/-0.000 χ^2/NDF : 919578.1/10

Right Out: 0.002+/-0.000 χ^2/NDF : 103927.8/19

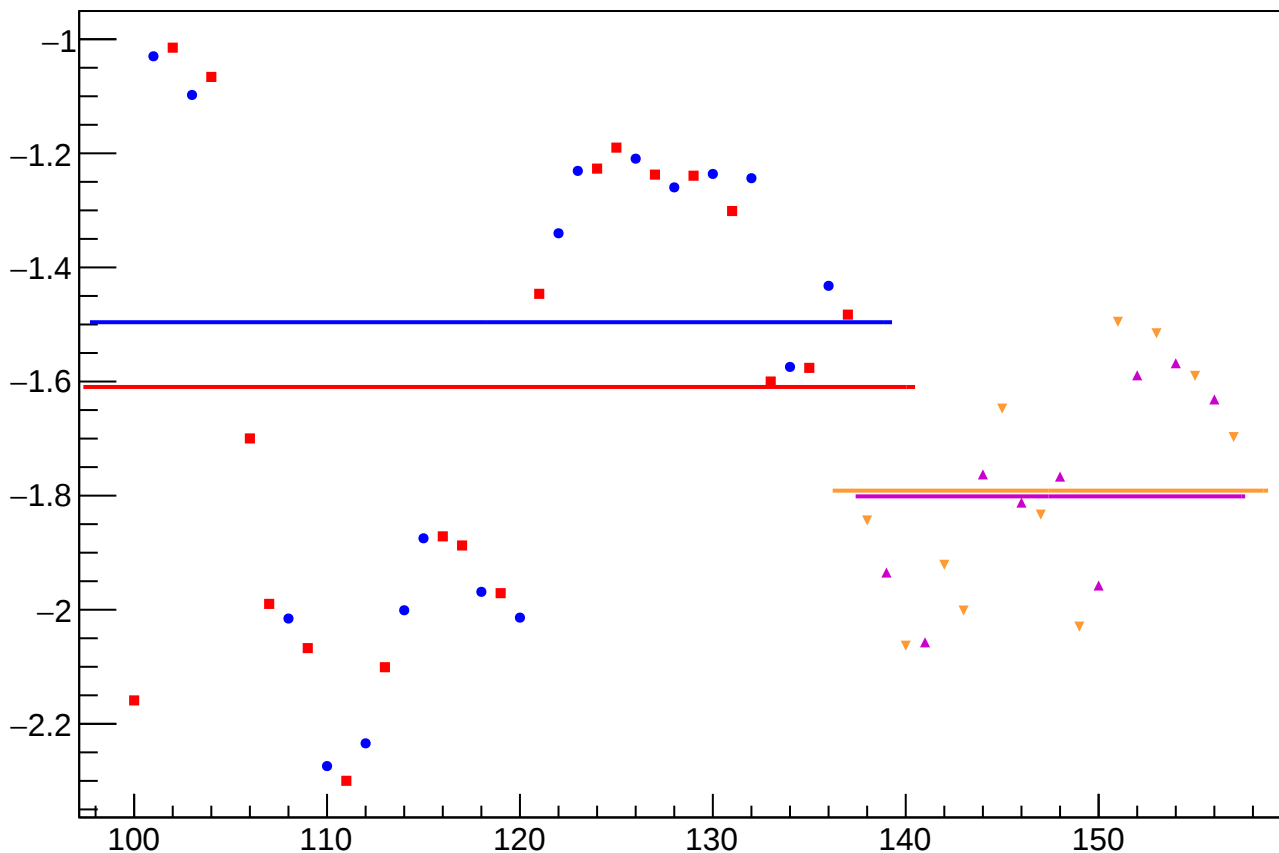
Left In: 0.004+/-0.000 χ^2/NDF : 1087622.9/8

0.002+/-0.000 χ^2/NDF : 3938372.9/27

0.002+/-0.000 χ^2/NDF : 7763265.3/56

0.002+/-0.000 χ^2/NDF : 3821458.7/28

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.791+/-0.000 χ^2/NDF : 8684830758.0/10

Right Out: -1.610+/-0.000 χ^2/NDF : 27919840690.9/19

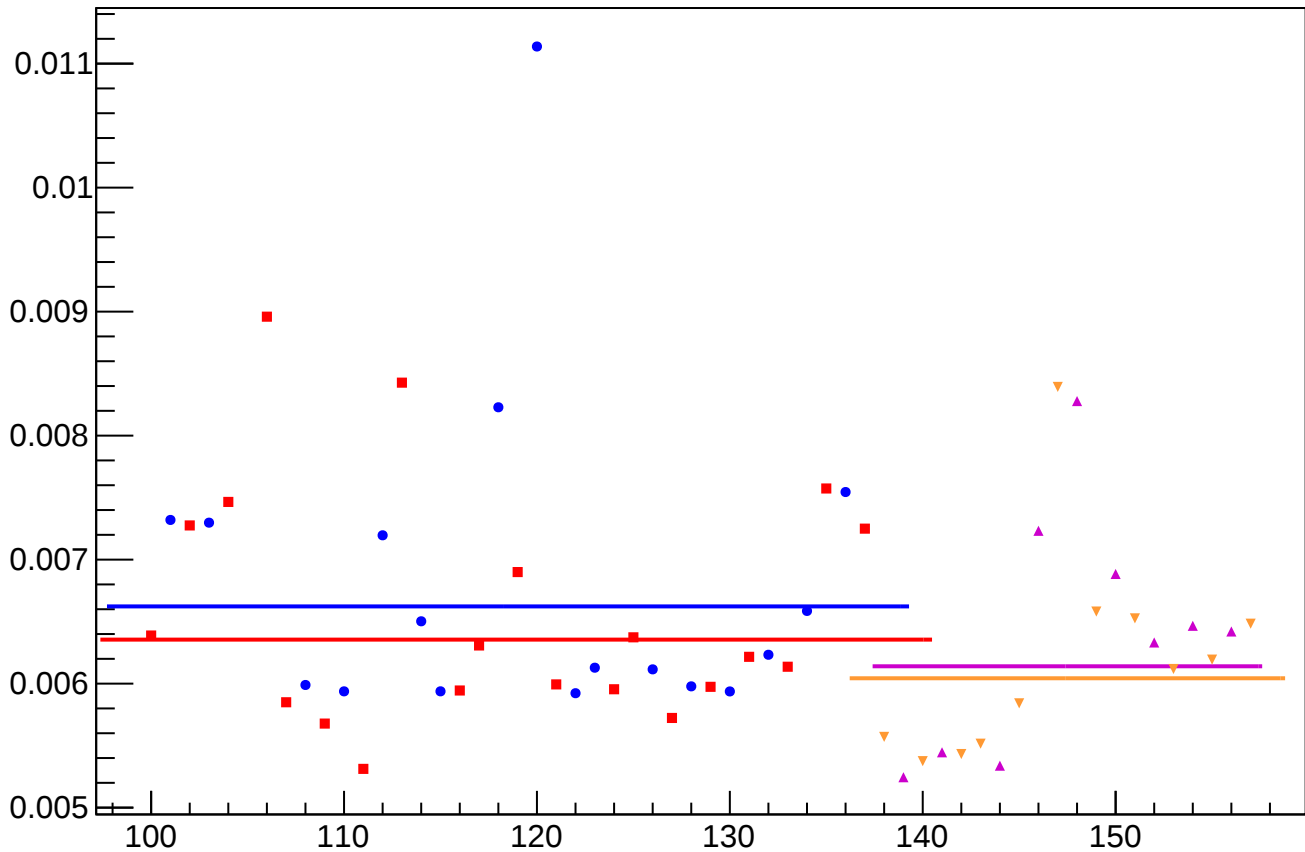
Left In: -1.801+/-0.000 χ^2/NDF : 5145420724.7/8

-1.673+/-0.000 χ^2/NDF : 38463099660.8/27

-1.691+/-0.000 χ^2/NDF : 74892550097.9/5

-1.709+/-0.000 χ^2/NDF : 36204043579.2/28

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 232630.4/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:193279.3/10

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 227865.9/19

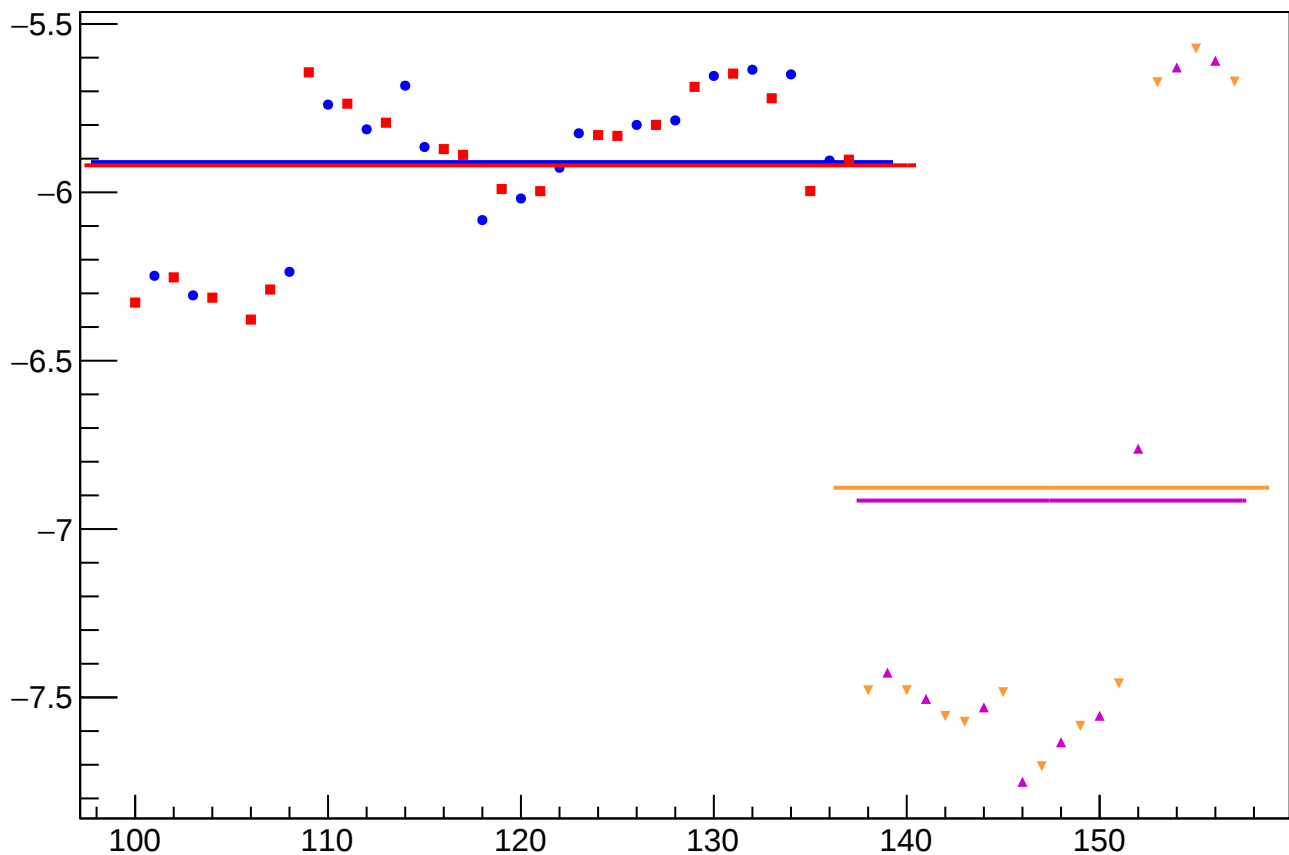
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:256537.0/8

0.006 $\pm$ 0.000 χ^2 /NDF: 481819.4/27

0.006 $\pm$ 0.000 χ^2 /NDF: 974475.2/56

0.006 $\pm$ 0.000 χ^2 /NDF: 492299.3/28

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.910+/-0.000 χ^2/NDF : 11154434512.7/16

Left Out: -6.877+/-0.000 χ^2/NDF : 85285771319.1/10

Right Out: -5.920+/-0.000 χ^2/NDF : 12786449843.6/19

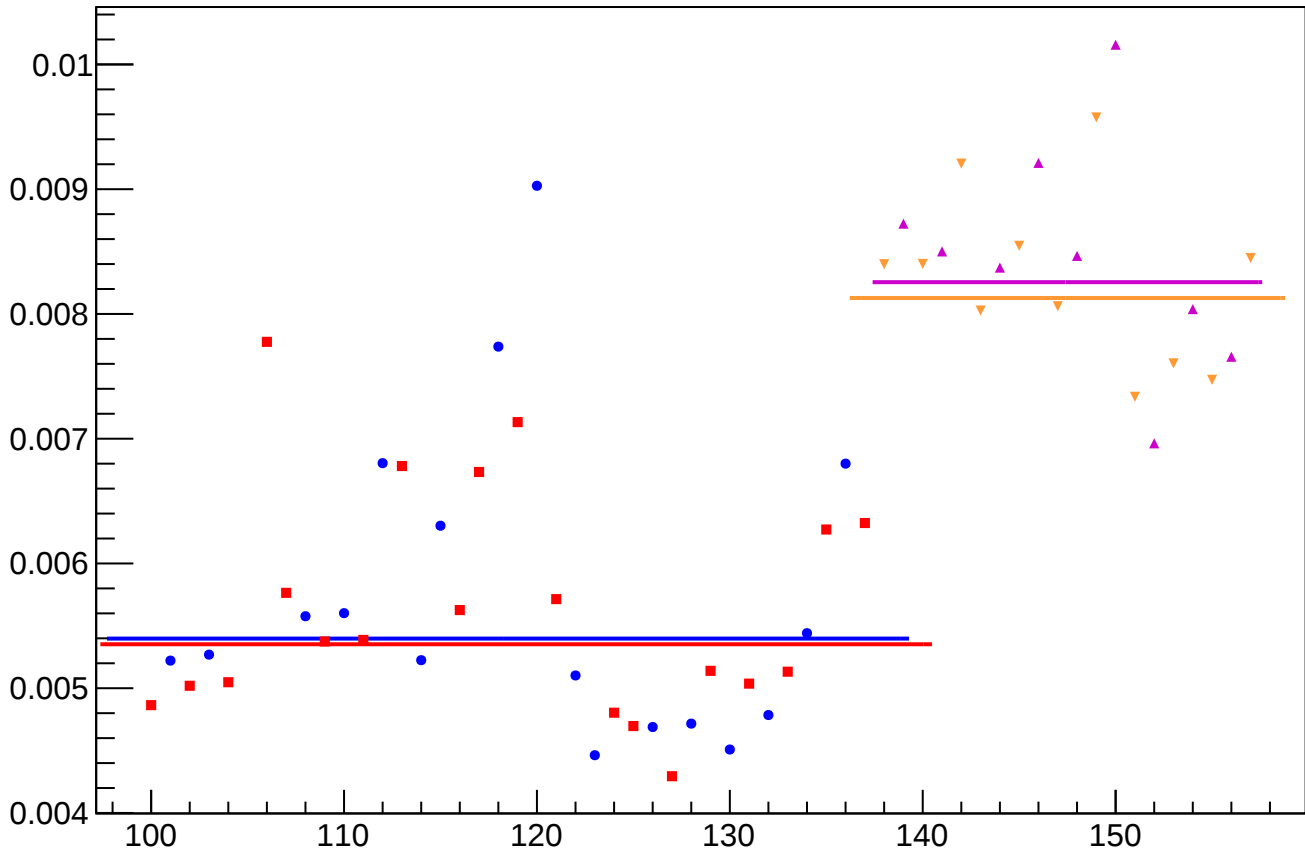
Left In: -6.915+/-0.000 χ^2/NDF : 63746494521.6/8

-6.237+/-0.000 χ^2/NDF : 160598610055.2/27

-6.223+/-0.000 χ^2/NDF : 301864767000.0

-6.210+/-0.000 χ^2/NDF : 141150518502.6/28

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 371347.4/16

Left Out: 0.008+/-0.000 χ^2/NDF : 82207.5/10

Right Out: 0.005+/-0.000 χ^2/NDF : 252664.1/19

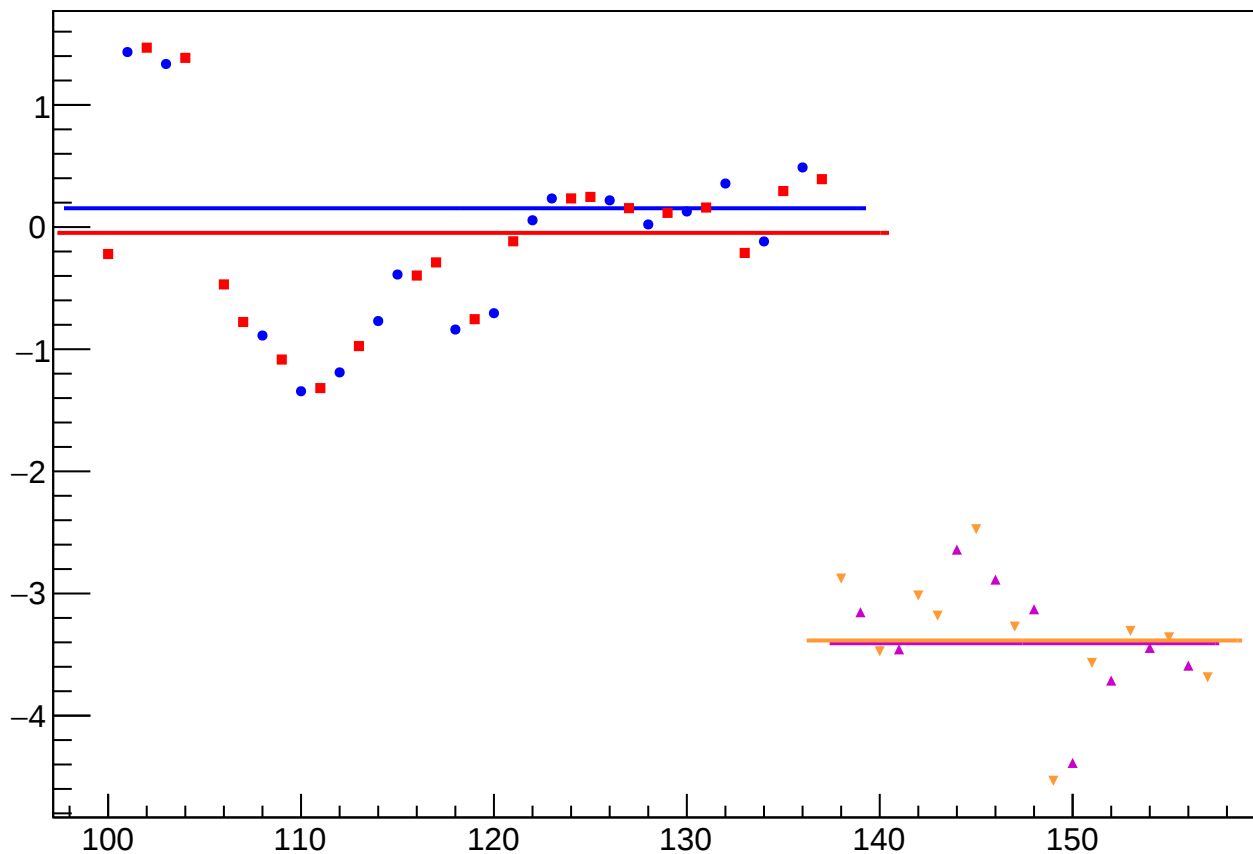
Left In: 0.008+/-0.000 χ^2/NDF : 131216.4/8

0.006+/-0.000 χ^2/NDF : 1476294.5/27

0.006+/-0.000 χ^2/NDF : 2963179.2/56

0.006+/-0.000 χ^2/NDF : 1482203.0/28

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.154 ± 0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.385 ± 0.000 χ^2/NDF : 6910870901.0/10

Right Out: -0.047 ± 0.000 χ^2/NDF : 21216074494.2/19

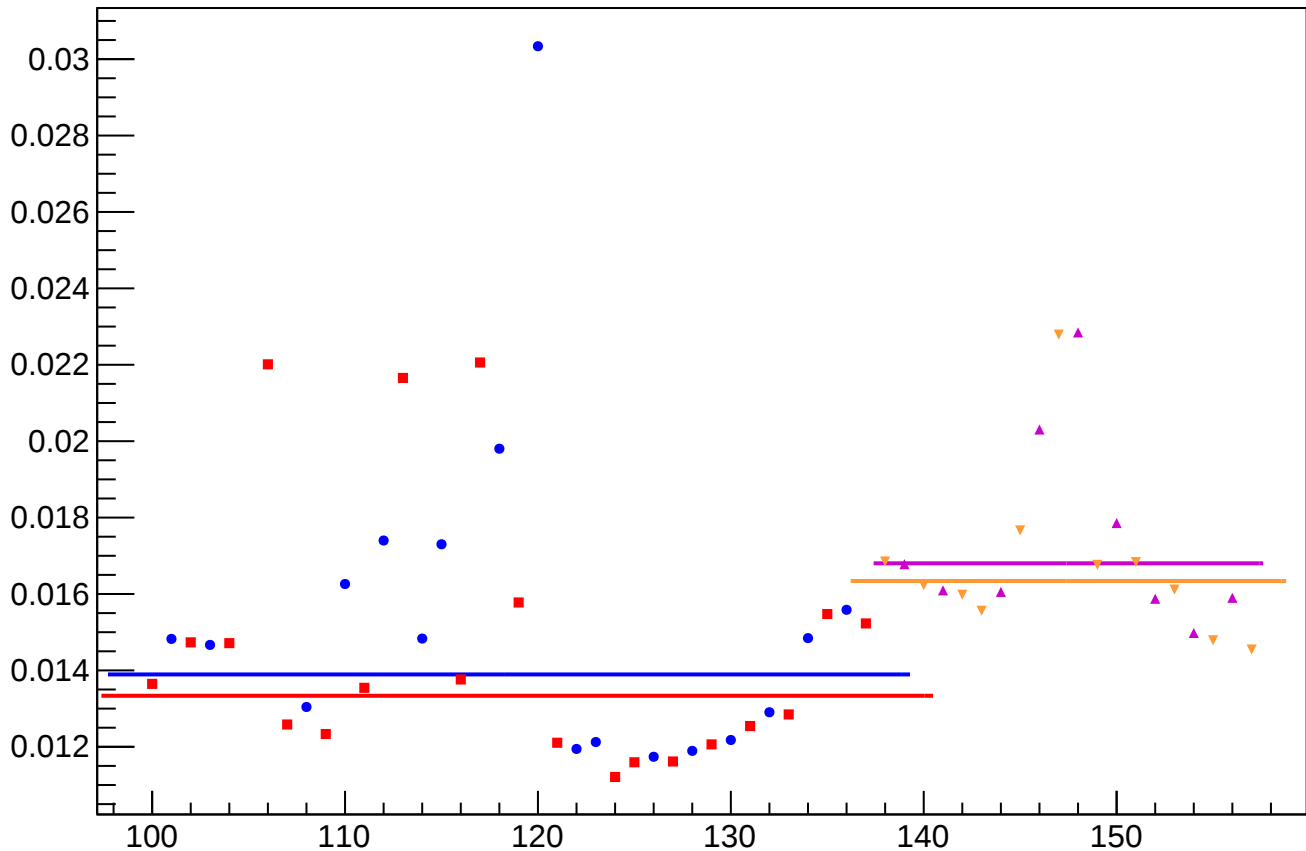
Left In: -3.407 ± 0.000 χ^2/NDF : 5416433926.0/8

-1.555 ± 0.000 χ^2/NDF : 209375446763.3/27

-1.468 ± 0.000 χ^2/NDF : 400782744084.6

-1.384 ± 0.000 χ^2/NDF : 190530766009.5/28

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 400569.4/16

Left Out: 0.016 $\pm$ 0.000 χ^2/NDF : 168487.4/10

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 303459.9/19

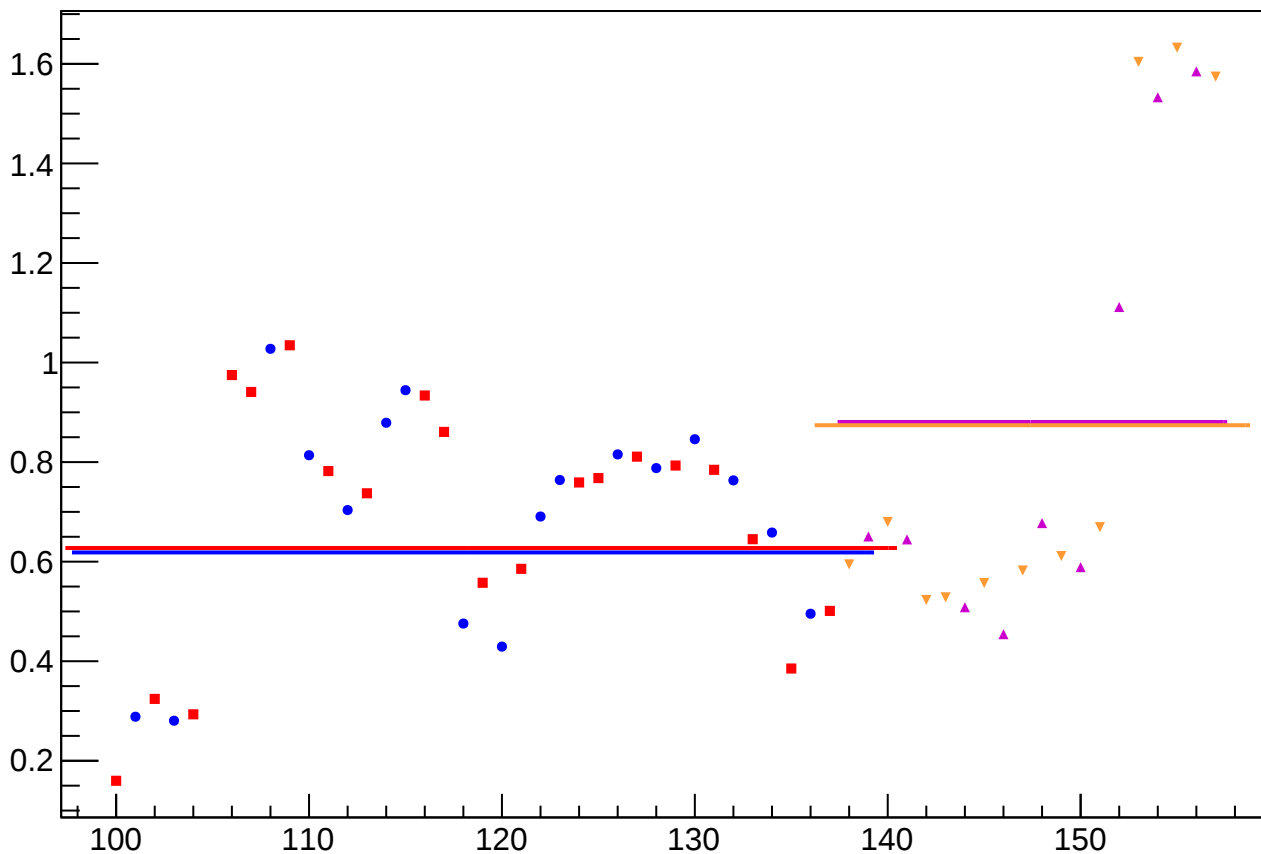
Left In: 0.017 $\pm$ 0.000 χ^2/NDF : 190297.0/8

0.015 $\pm$ 0.000 χ^2/NDF : 746233.0/27

0.015 $\pm$ 0.000 χ^2/NDF : 1596817.7/56

0.015 $\pm$ 0.000 χ^2/NDF : 842797.4/28

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.619+/-0.000 χ^2/NDF : 5416939288.1/16

Left Out: 0.874+/-0.000 χ^2/NDF : 26045736317.6/10

Right Out: 0.627+/-0.000 χ^2/NDF : 6345684740.0/19

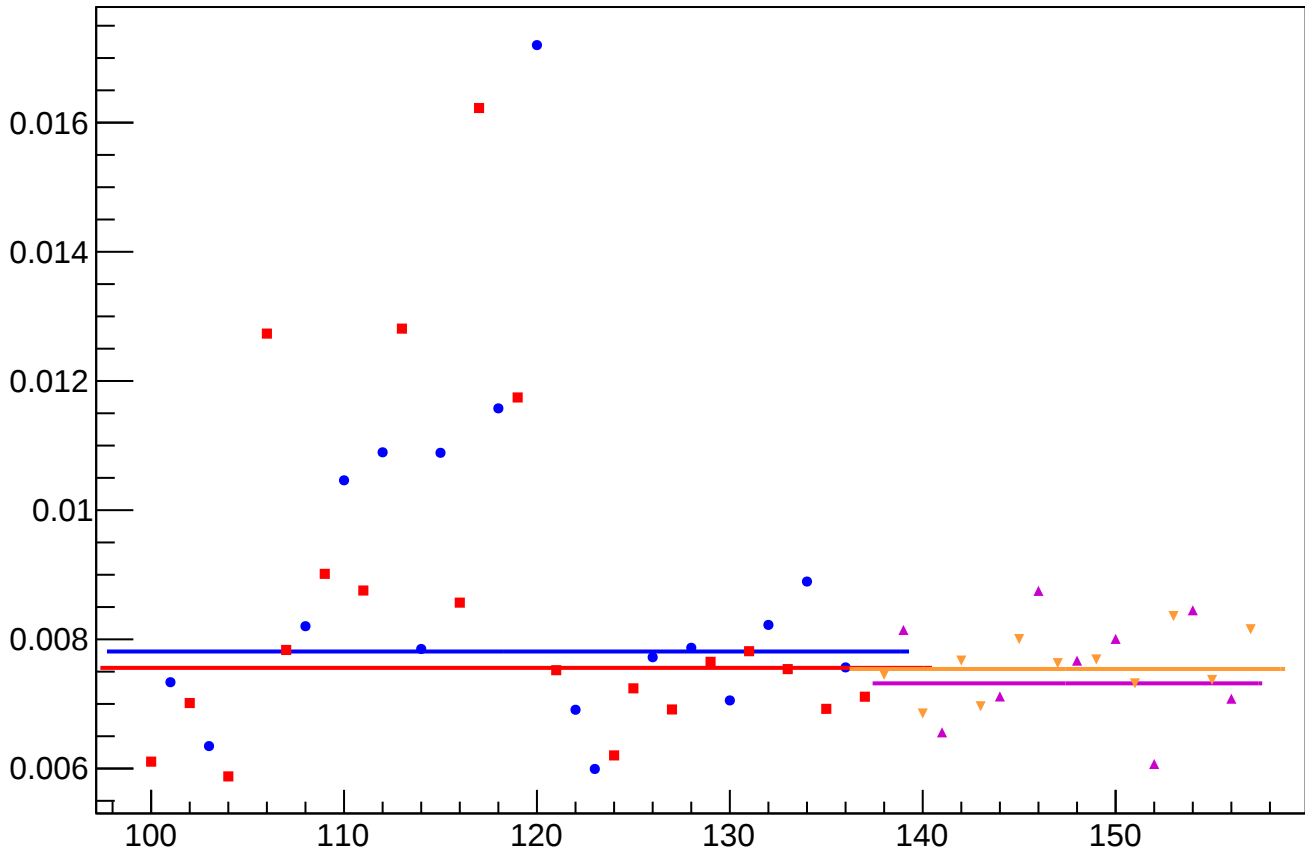
Left In: 0.881+/-0.000 χ^2/NDF : 20010383191.7/8

0.766+/-0.000 χ^2/NDF : 35047127843.7/27

0.764+/-0.000 χ^2/NDF : 65120905832.6/5

0.762+/-0.000 χ^2/NDF : 30072548186.0/28

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 466827.3/16

Left Out: 0.008+/-0.000 χ^2/NDF : 53971.6/10

Right Out: 0.008+/-0.000 χ^2/NDF : 463232.7/19

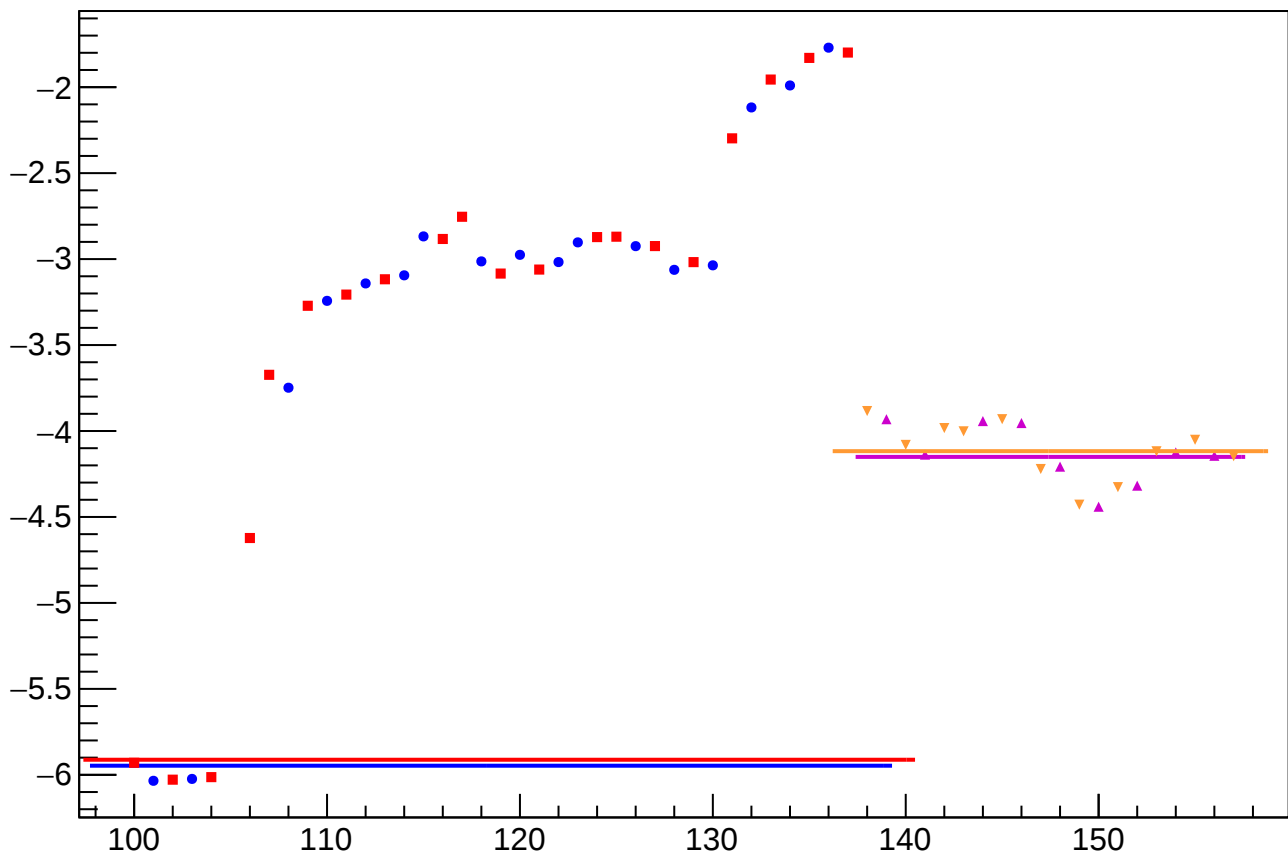
Left In: 0.007+/-0.000 χ^2/NDF : 182781.1/8

0.008+/-0.000 χ^2/NDF : 528822.5/27

0.008+/-0.000 χ^2/NDF : 1193140.6/56

0.007+/-0.000 χ^2/NDF : 652676.4/28

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -4.117+/-0.000 χ^2/NDF : 29459688.2/10

-5.910+/-0.000 χ^2/NDF : 16421265189.1/27

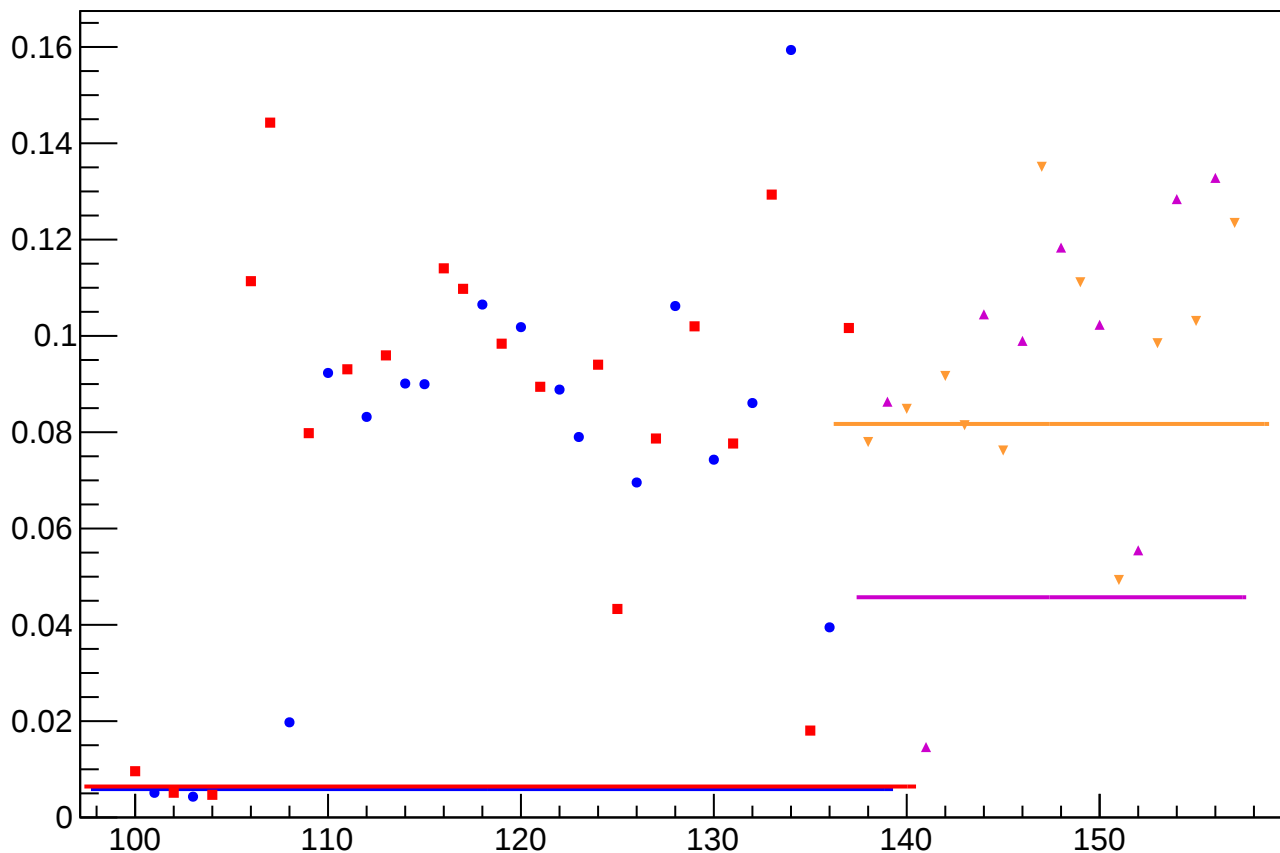
Right Out: -5.912+/-0.000 χ^2/NDF : 14648055548.9/19

-5.881+/-0.000 χ^2/NDF : 35628829388.9/19

-5.846+/-0.000 χ^2/NDF : 19119221061.8/28

Left In: -4.151+/-0.000 χ^2/NDF : 20959617.7/8

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 7934545.2/16

Left Out: 0.082+/-0.000 χ^2/NDF : 1077611.1/10

Right Out: 0.006+/-0.000 χ^2/NDF : 8558731.2/19

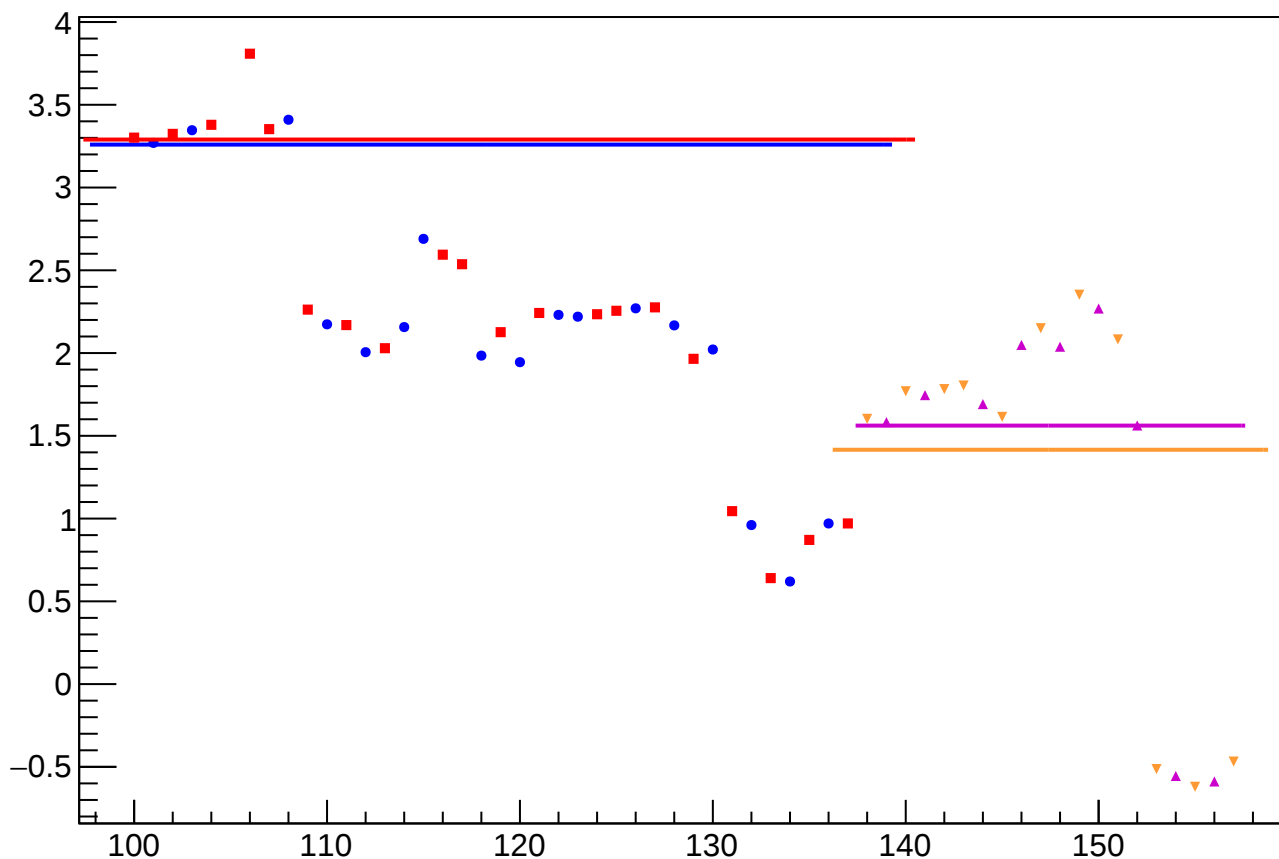
Left In: 0.046+/-0.000 χ^2/NDF : 4983497.2/8

0.007+/-0.000 χ^2/NDF : 20093467.9/27

0.008+/-0.000 χ^2/NDF : 38076021.2/56

0.008+/-0.000 χ^2/NDF : 17973022.1/28

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.259 $\pm$ 0.000 χ^2 /NDF: 2921931976.8/16

Left Out: 1.416 $\pm$ 0.000 χ^2 /NDF: 869327861.8/10

Right Out: 3.290 $\pm$ 0.000 χ^2 /NDF: 3263300926.6/19

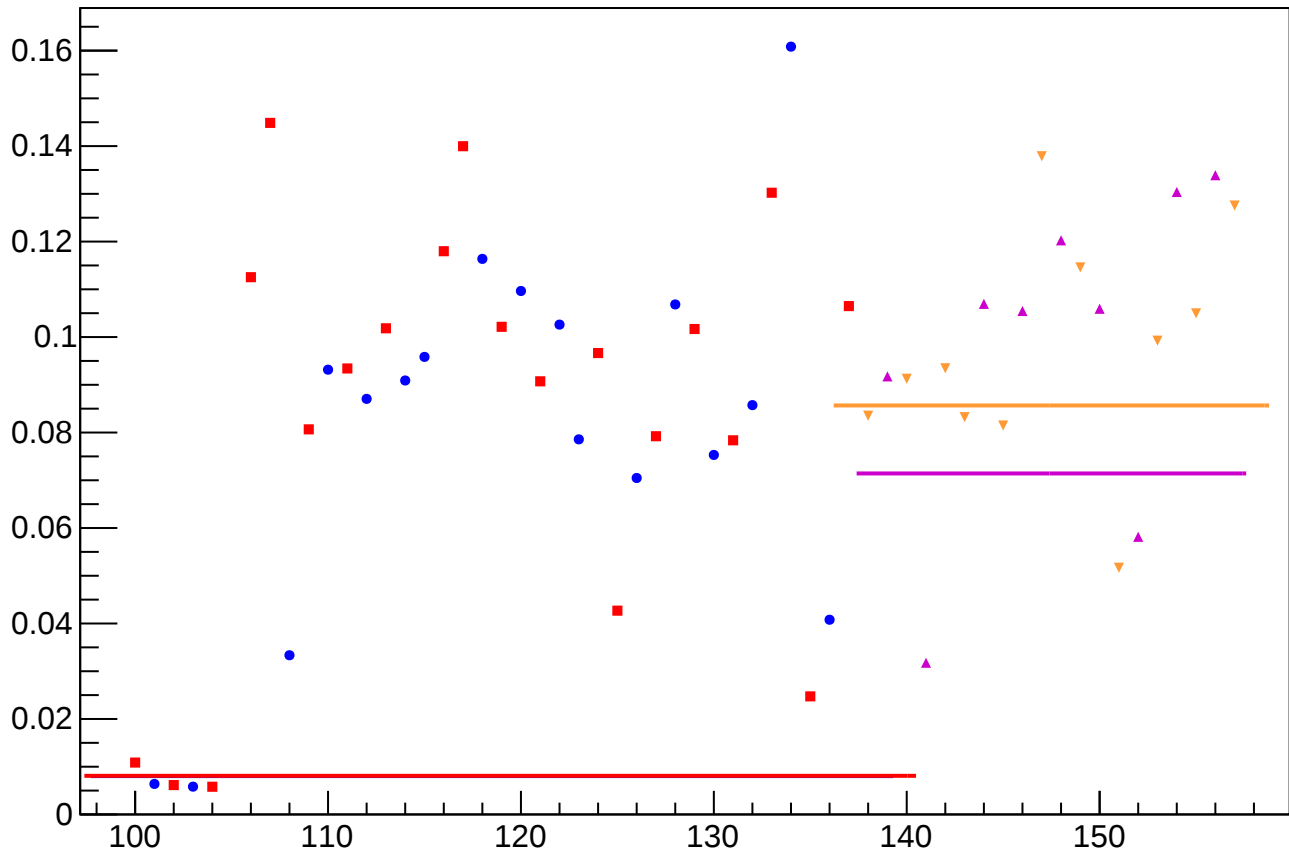
Left In: 1.562 $\pm$ 0.000 χ^2 /NDF: 430390374.3/8

3.203 $\pm$ 0.000 χ^2 /NDF: 6761873266.2/27

3.218 $\pm$ 0.000 χ^2 /NDF: 13050021276.2/5

3.233 $\pm$ 0.000 χ^2 /NDF: 6275295122.1/28

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7742048.1/16

Left Out: 0.086 $\pm$ 0.000 χ^2 /NDF: 1002485.3/10

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8375005.0/19

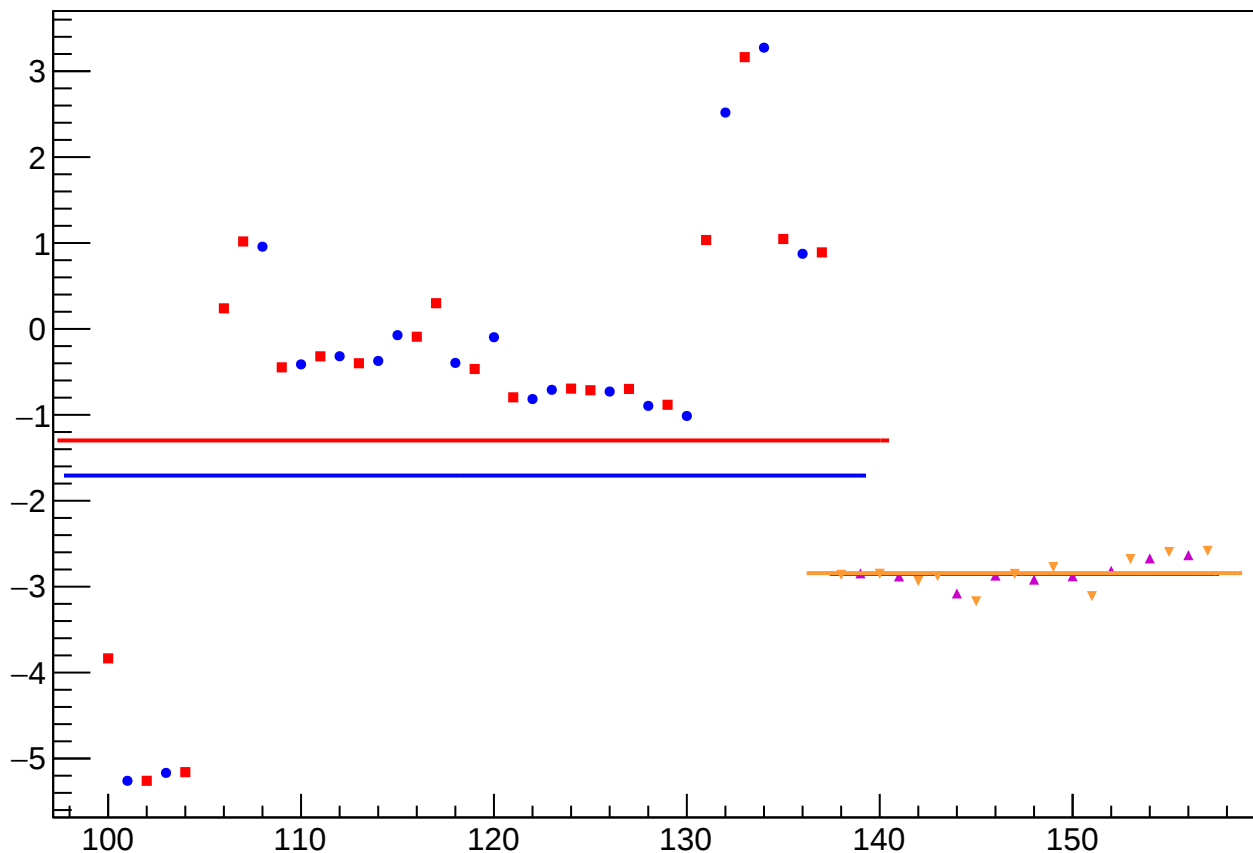
Left In: 0.071 $\pm$ 0.000 χ^2 /NDF: 2404793.9/8

0.010 $\pm$ 0.000 χ^2 /NDF: 19279116.4/27

0.010 $\pm$ 0.000 χ^2 /NDF: 36995523.2/56

0.010 $\pm$ 0.000 χ^2 /NDF: 17714806.5/28

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.842+/-0.000 χ^2/NDF : 4115804592.2/10

Right Out: -1.298+/-0.000 χ^2/NDF : 178085926993.4/19

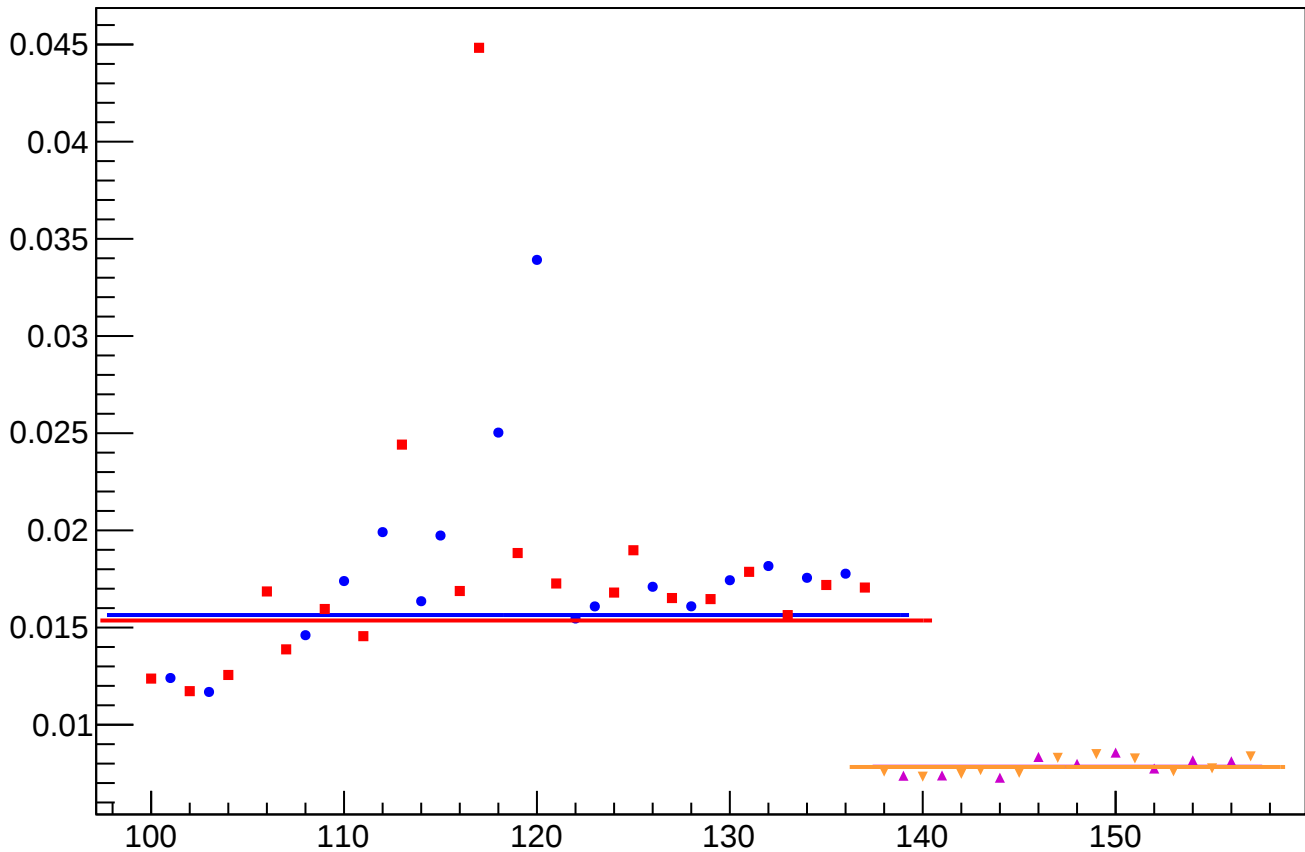
Left In: -2.852+/-0.000 χ^2/NDF : 1820942940.4/8

-2.668+/-0.000 χ^2/NDF : 195219847903.9/27

-2.615+/-0.000 χ^2/NDF : 427631740963.7

-2.559+/-0.000 χ^2/NDF : 231562851769.1/28

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016 $\pm$ 0.000 χ^2/NDF : 578244.3/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 39076.1/10

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 387283.2/19

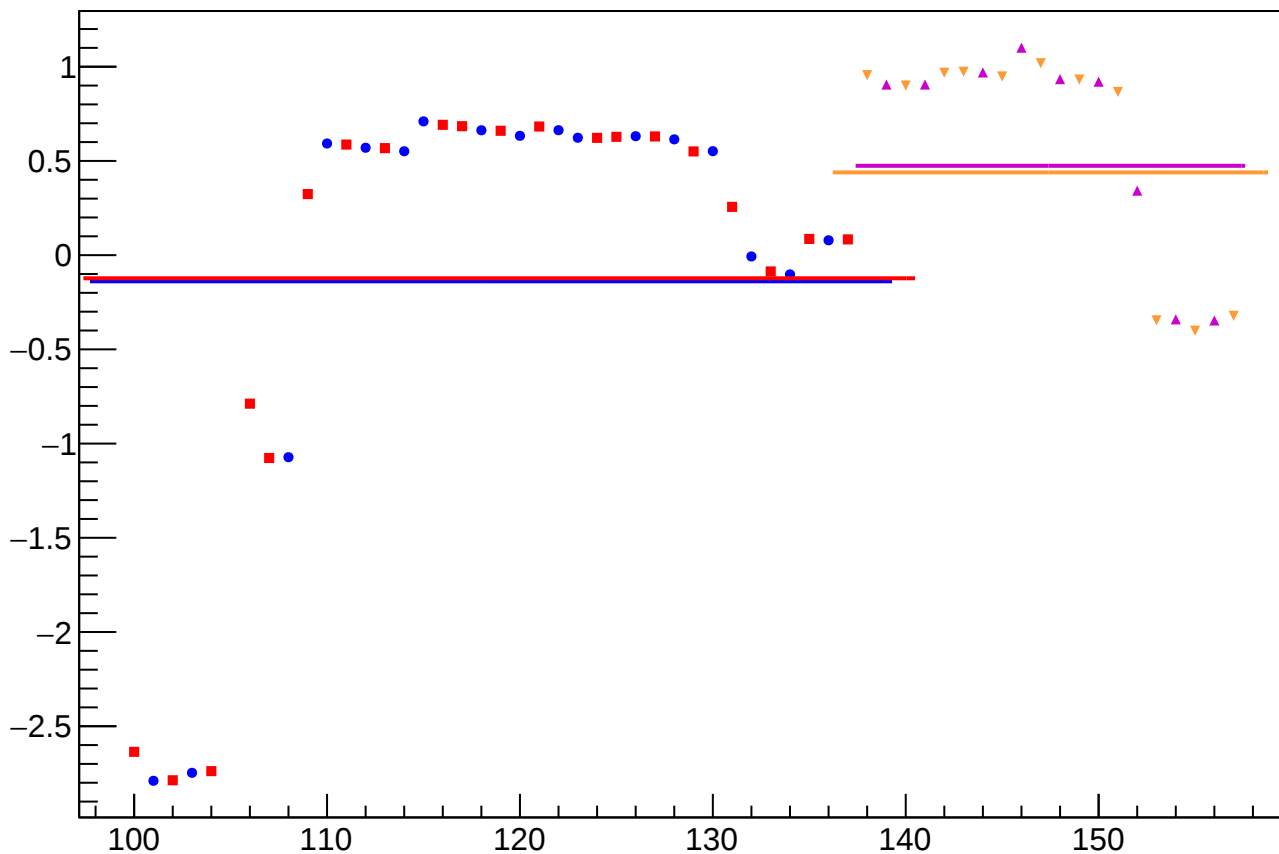
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 43793.6/8

0.009 $\pm$ 0.000 χ^2/NDF : 2987736.1/27

0.009 $\pm$ 0.000 χ^2/NDF : 5847535.8/56

0.009 $\pm$ 0.000 χ^2/NDF : 2851979.9/28

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -0.139 ± 0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.439 ± 0.000 χ^2/NDF : 70341006036.3/10

0.008 ± 0.000 χ^2/NDF : 828894506742.0/27

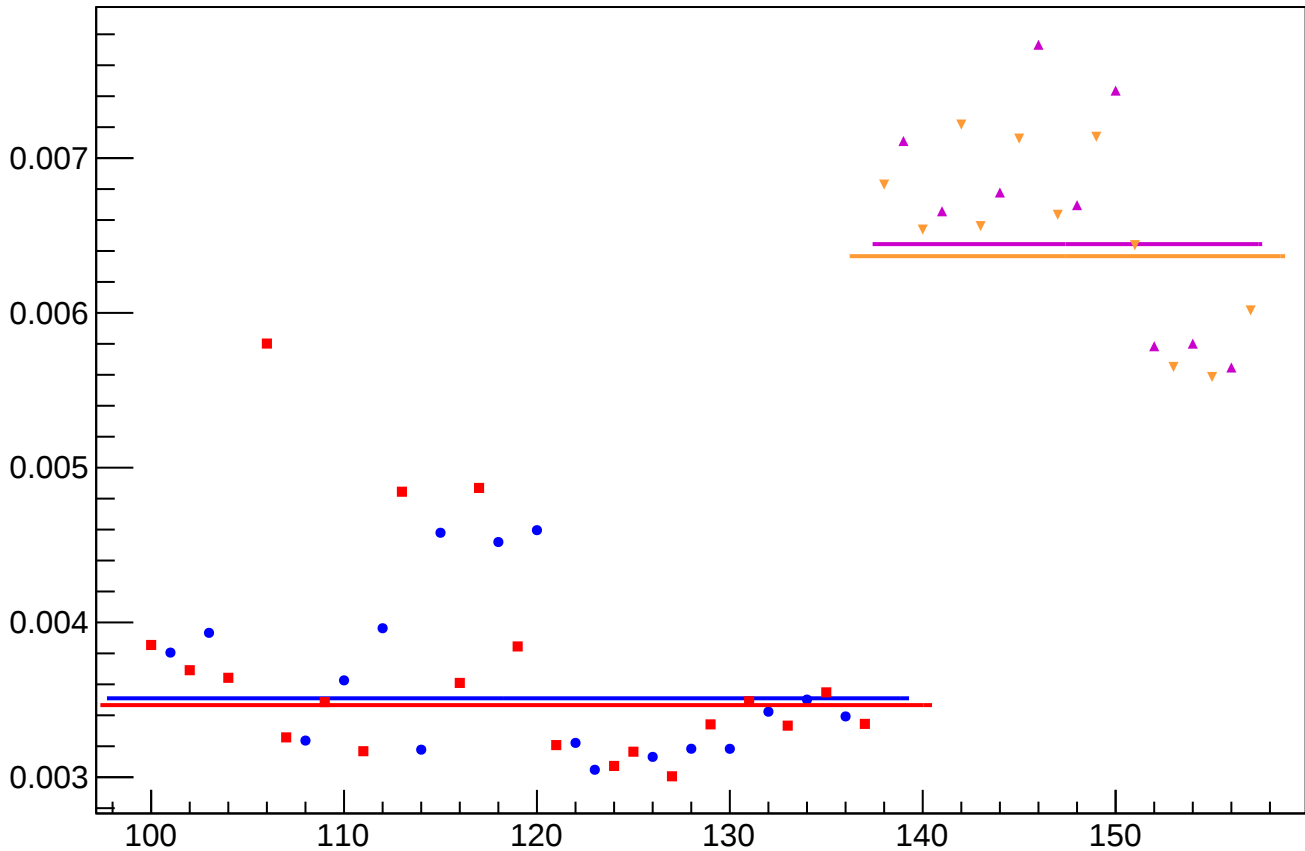
Right Out: -0.123 ± 0.000 χ^2/NDF : 762580598699.5/19

0.007 ± 0.000 χ^2/NDF : 1686378314950.0

Left In: 0.474 ± 0.000 χ^2/NDF : 51440726082.8/8

0.007 ± 0.000 χ^2/NDF : 857483106539.0/28

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 171337.9/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:110208.3/10

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 222524.1/19

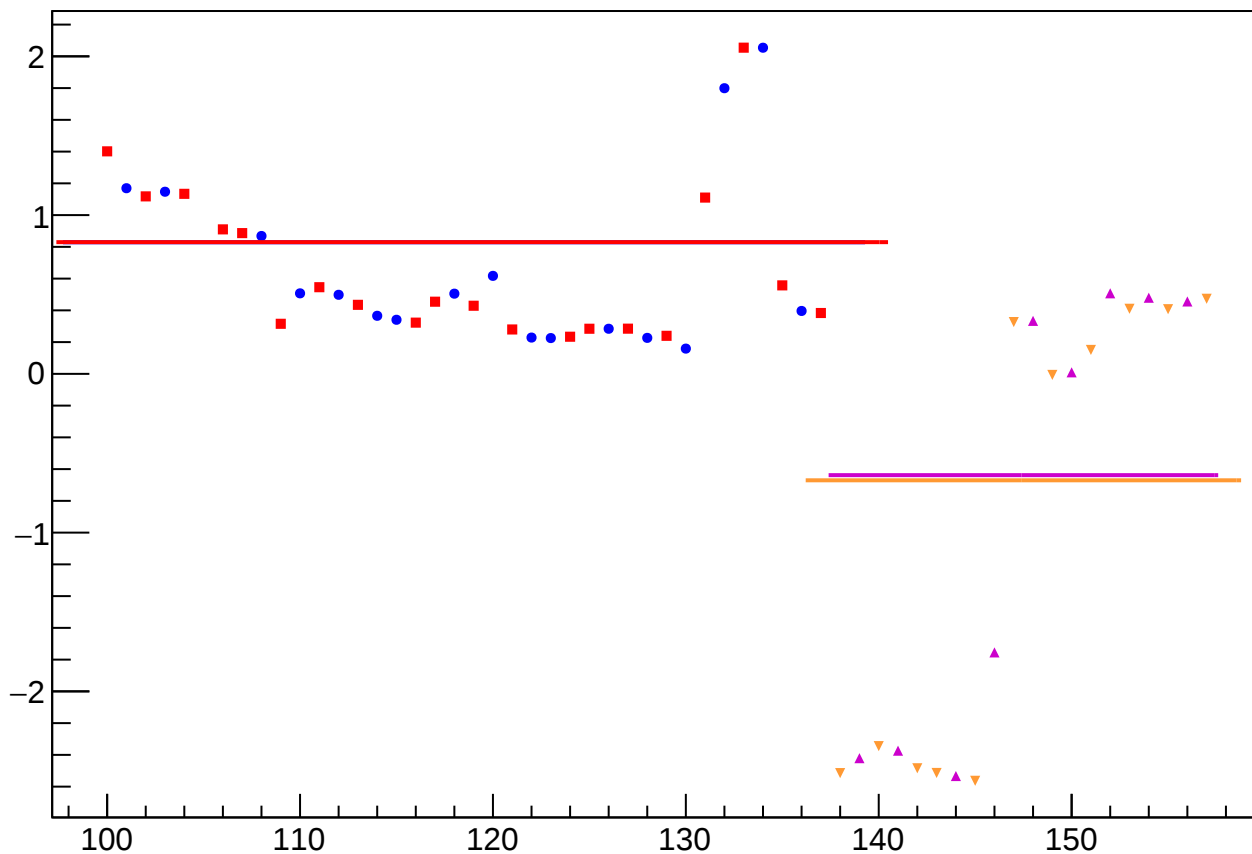
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:148560.6/8

0.004 $\pm$ 0.000 χ^2 /NDF: 2407382.6/27

0.004 $\pm$ 0.000 χ^2 /NDF: 4953155.4/56

0.004 $\pm$ 0.000 χ^2 /NDF: 2534971.0/28

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.829+/-0.000 χ^2/NDF : 31718573821.2/16

Left Out: -0.671+/-0.000 χ^2/NDF : 369253925345.4/10

Right Out: 0.830+/-0.000 χ^2/NDF : 33349713412.0/19

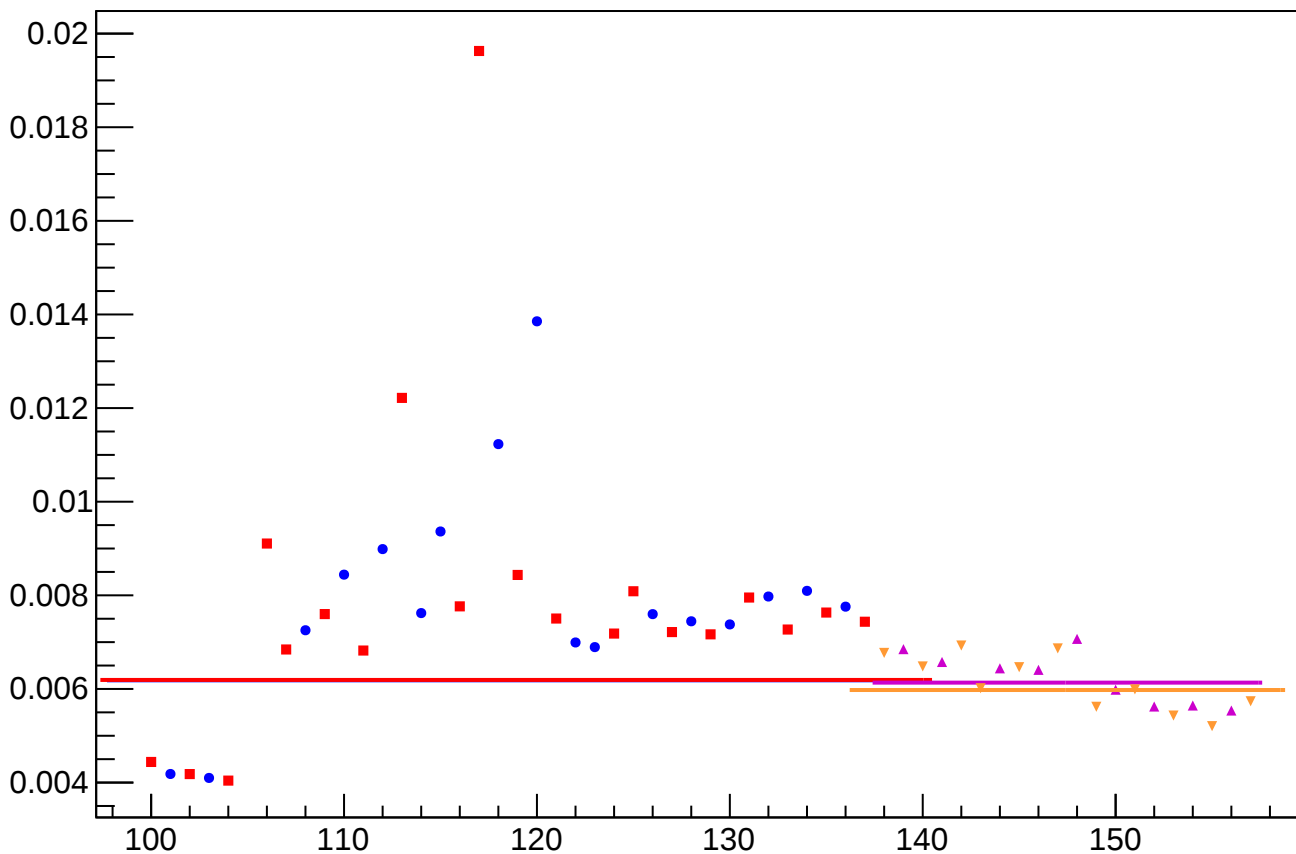
Left In: -0.638+/-0.000 χ^2/NDF : 303999464519.7/8

-0.070+/-0.000 χ^2/NDF : 588334233254.1/27

-0.019+/-0.000 χ^2/NDF : 1104921719186.

0.034+/-0.000 χ^2/NDF : 514731579435.1/28

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 1228962.4/16

Left Out: 0.006+/-0.000 χ^2/NDF : 131184.5/10

Right Out: 0.006+/-0.000 χ^2/NDF : 1062886.2/19

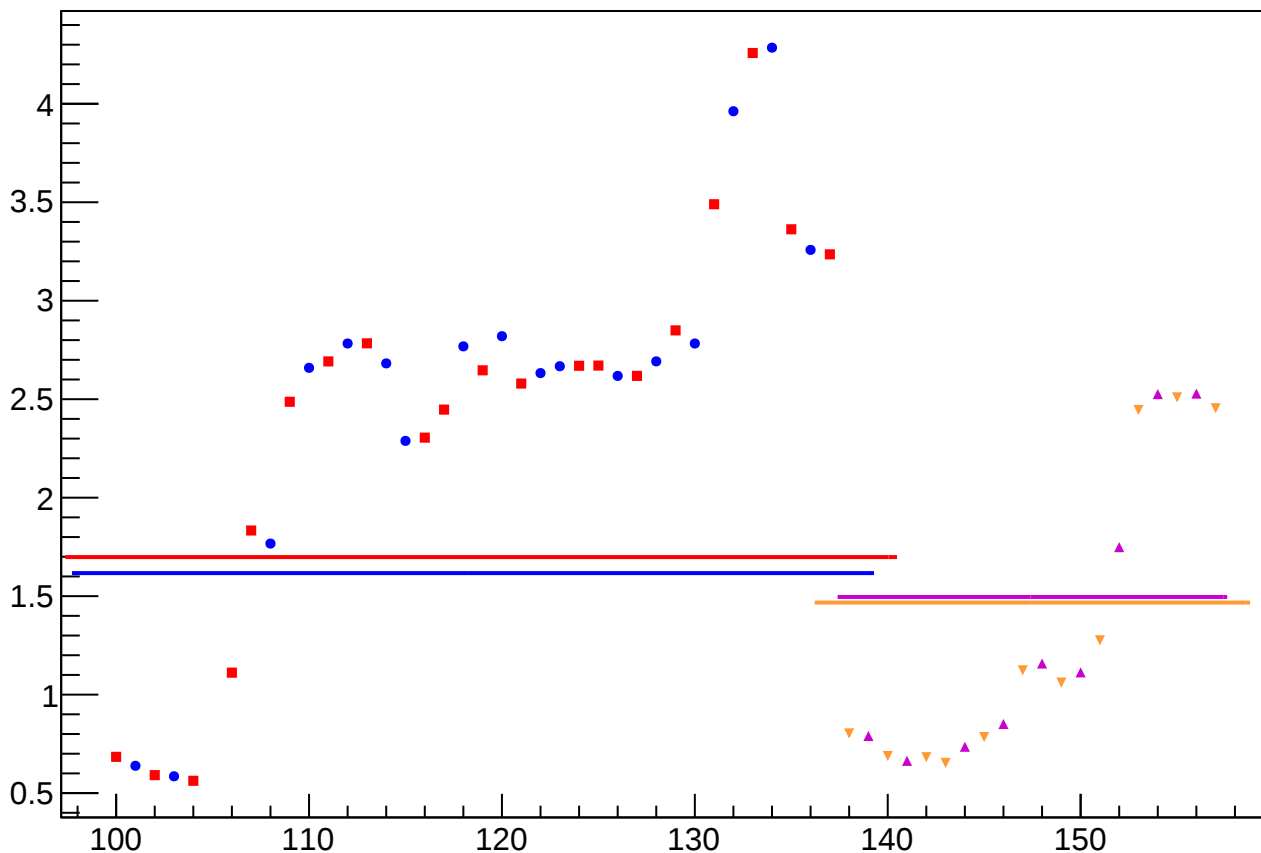
Left In: 0.006+/-0.000 χ^2/NDF : 95977.9/8

0.006+/-0.000 χ^2/NDF : 1367326.7/27

0.006+/-0.000 χ^2/NDF : 2530195.2/56

0.006+/-0.000 χ^2/NDF : 1159407.8/28

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 1.467+/-0.000 χ^2/NDF : 123698284928.4/10

Right Out: 1.698+/-0.000 χ^2/NDF : 227436227264.4/19

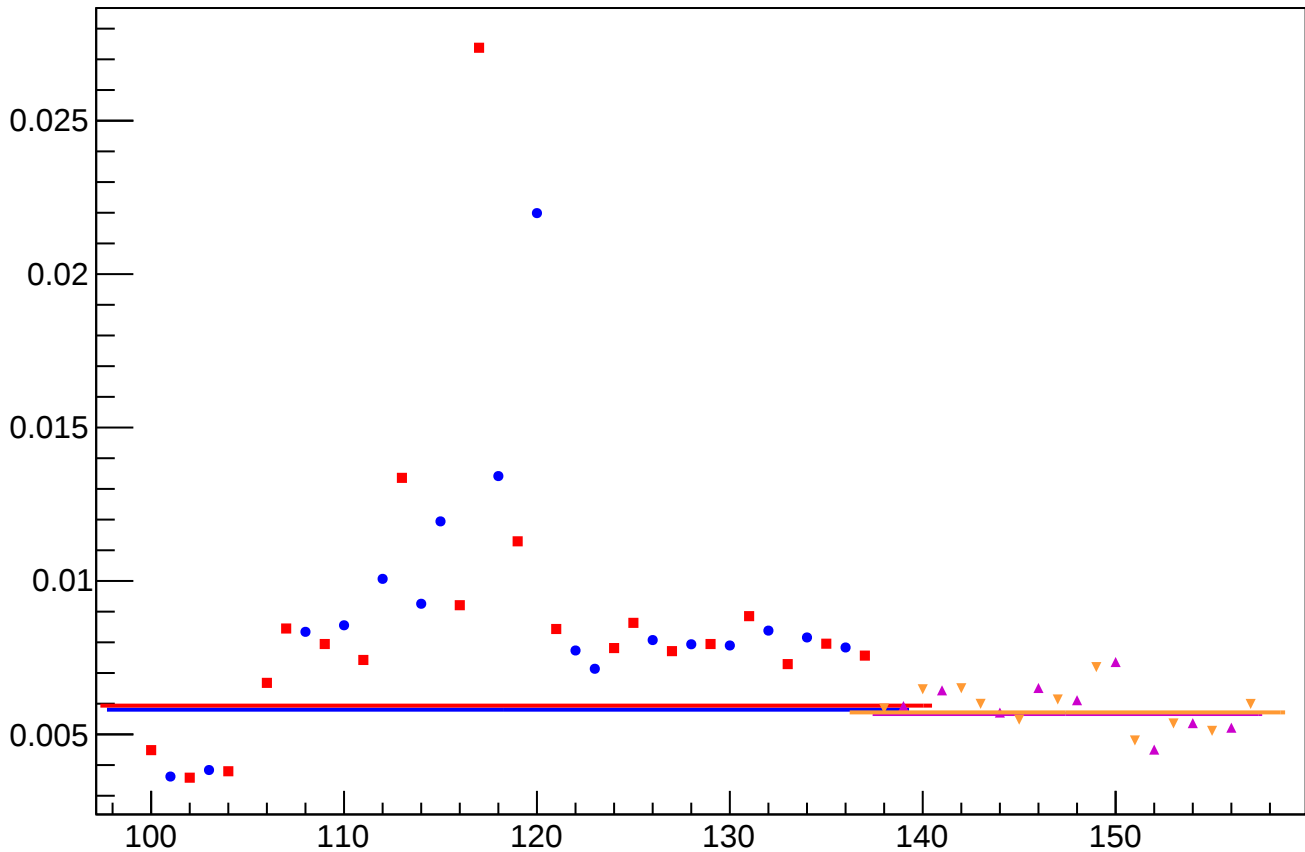
Left In: 1.496+/-0.000 χ^2/NDF : 104384236344.0/8

1.528+/-0.000 χ^2/NDF : 328491744559.7/27

1.556+/-0.000 χ^2/NDF : 664384367904.8/

1.585+/-0.000 χ^2/NDF : 335330211925.7/28

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 : 172780.9/10

Right Out: 0.006+/-0.000 χ^2/NDF : 1731283.0/19

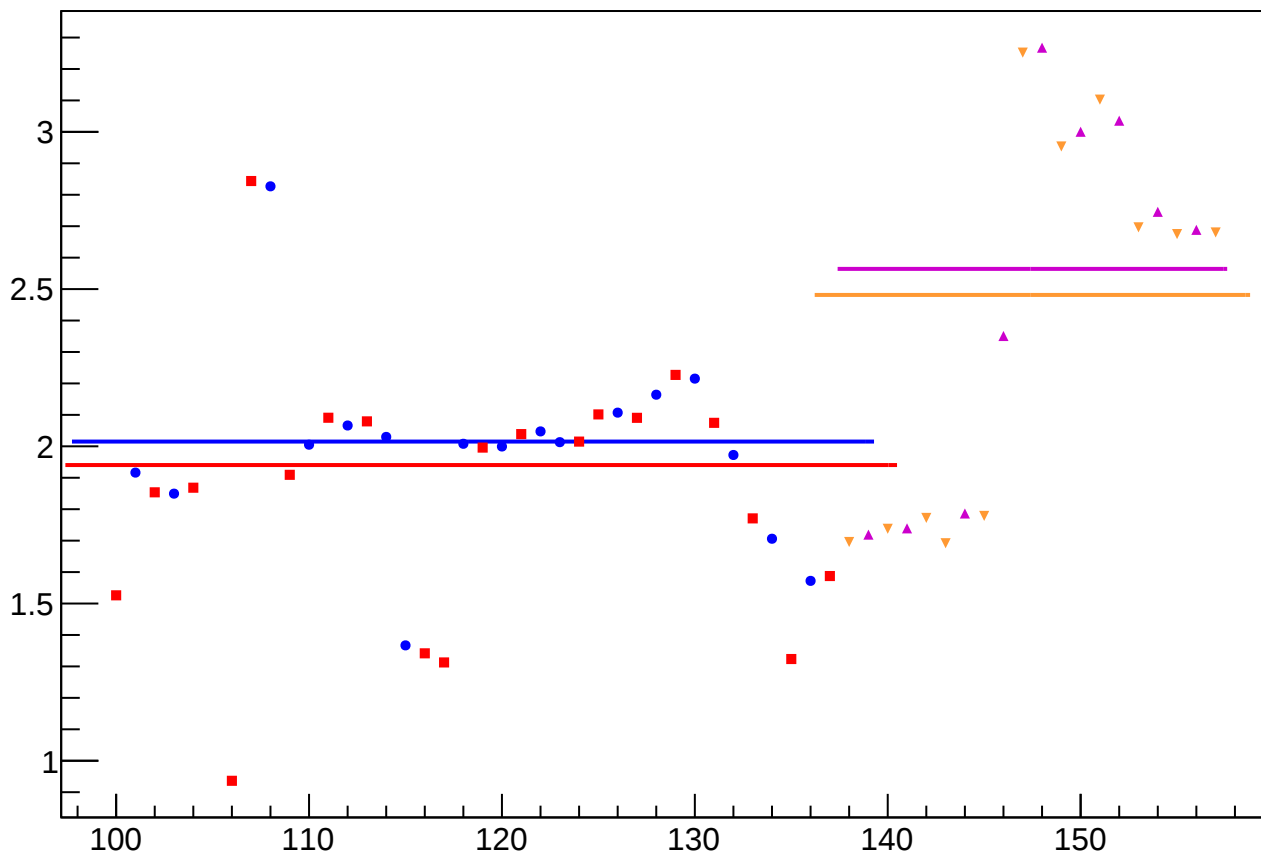
Left In: 0.006+/-0.000 χ^2/NDF : 244142.7/8

0.006+/-0.000 χ^2/NDF : 2092116.3/27

0.006+/-0.000 χ^2/NDF : 4080700.0/56

0.006+/-0.000 χ^2/NDF : 1988247.0/28

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.015+/-0.000 χ^2/NDF : 12228403202.6/16

Left Out: 2.481+/-0.000 χ^2/NDF : 44806608050.0/10

Right Out: 1.940+/-0.000 χ^2/NDF : 21732099424.5/19

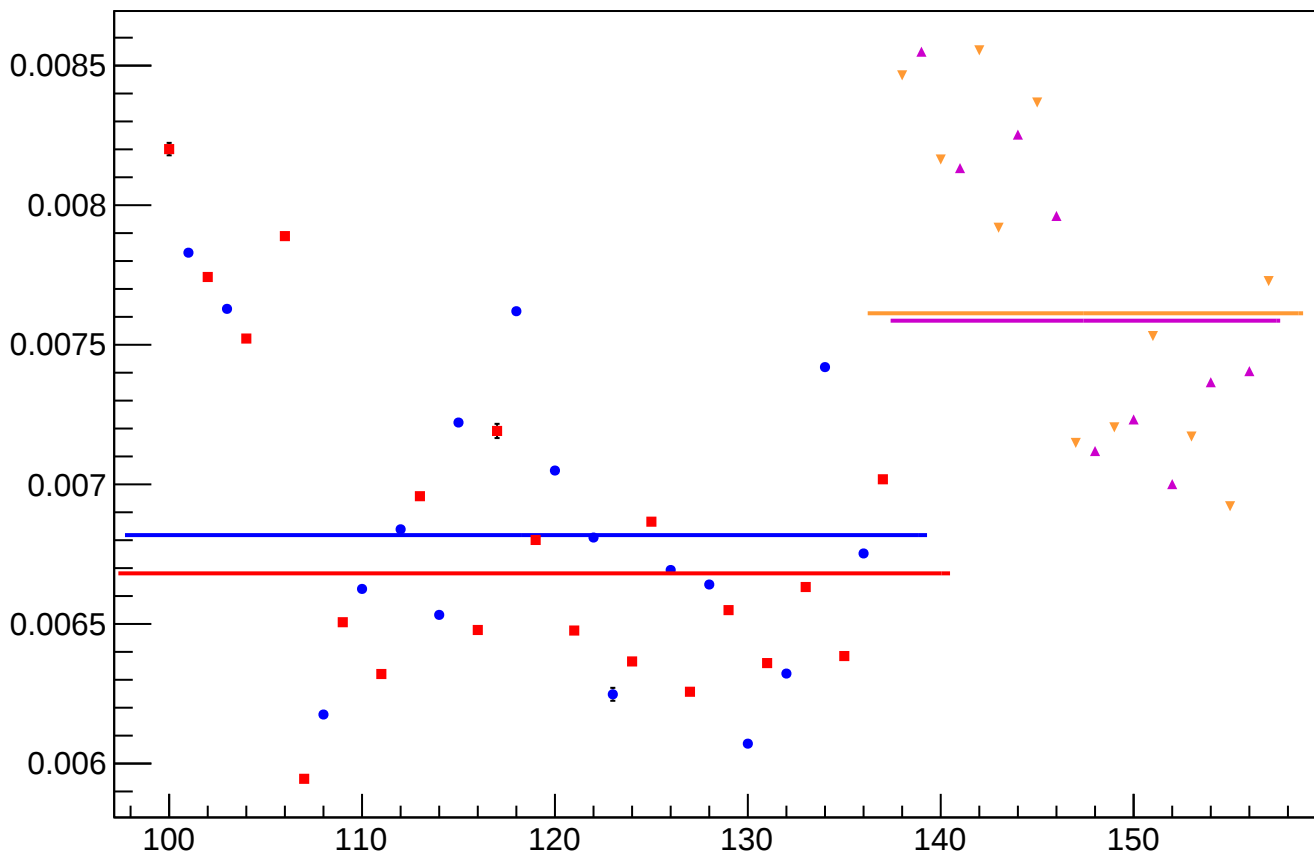
Left In: 2.564+/-0.000 χ^2/NDF : 37472618532.7/8

2.244+/-0.000 χ^2/NDF : 71638965577.7/27

2.230+/-0.000 χ^2/NDF : 157242627209.7/

2.216+/-0.000 χ^2/NDF : 85497503343.4/28

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 75813.9/16

Left Out: 0.008+/-0.000 χ^2/NDF : 76861.4/10

Right Out: 0.007+/-0.000 χ^2/NDF : 76121.2/19

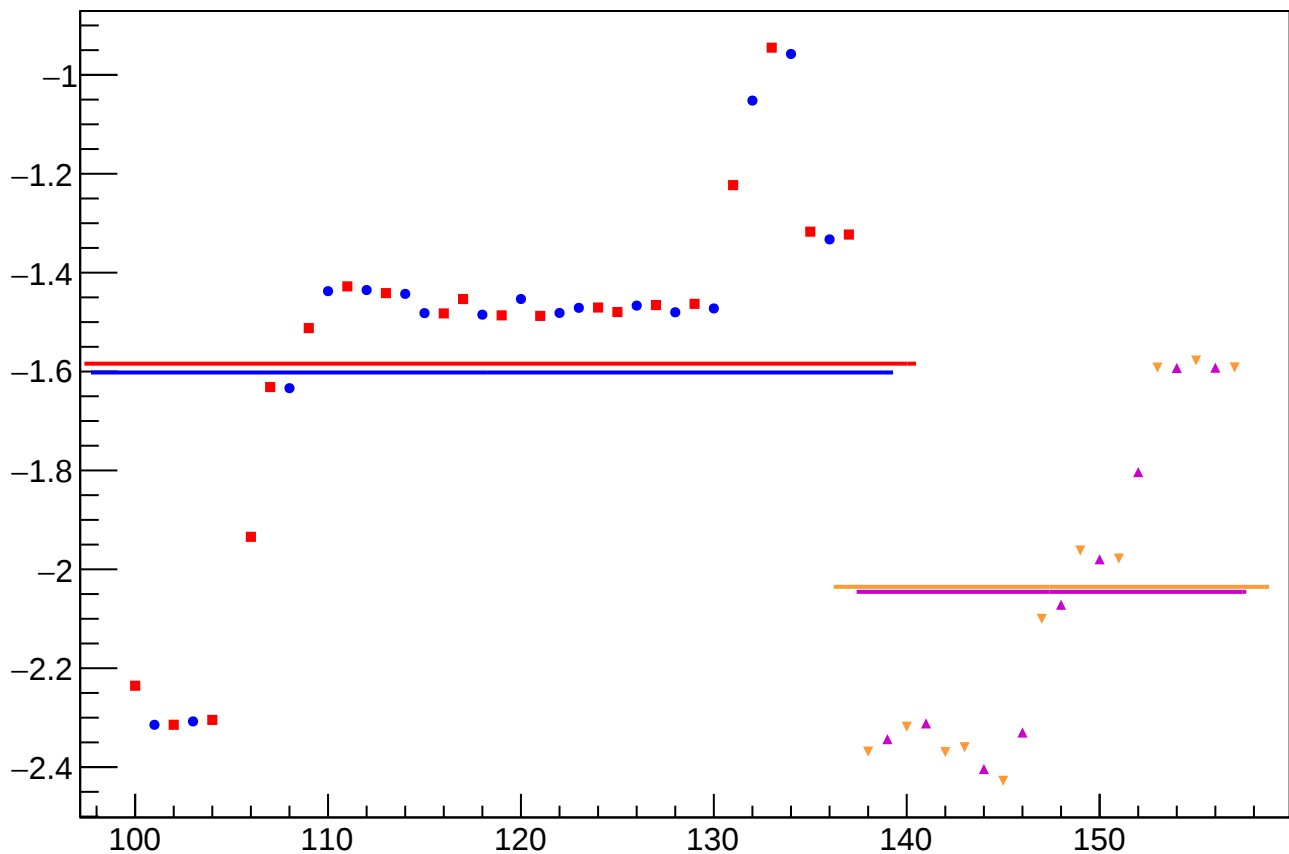
Left In: 0.008+/-0.000 χ^2/NDF : 61943.9/8

0.007+/-0.000 χ^2/NDF : 237465.3/27

0.007+/-0.000 χ^2/NDF : 490601.1/56

0.007+/-0.000 χ^2/NDF : 248745.7/28

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -2.035+/-0.000 χ^2/NDF : 97381110965.0/10

Right Out: -1.584+/-0.000 χ^2/NDF : 143612120137.8/19

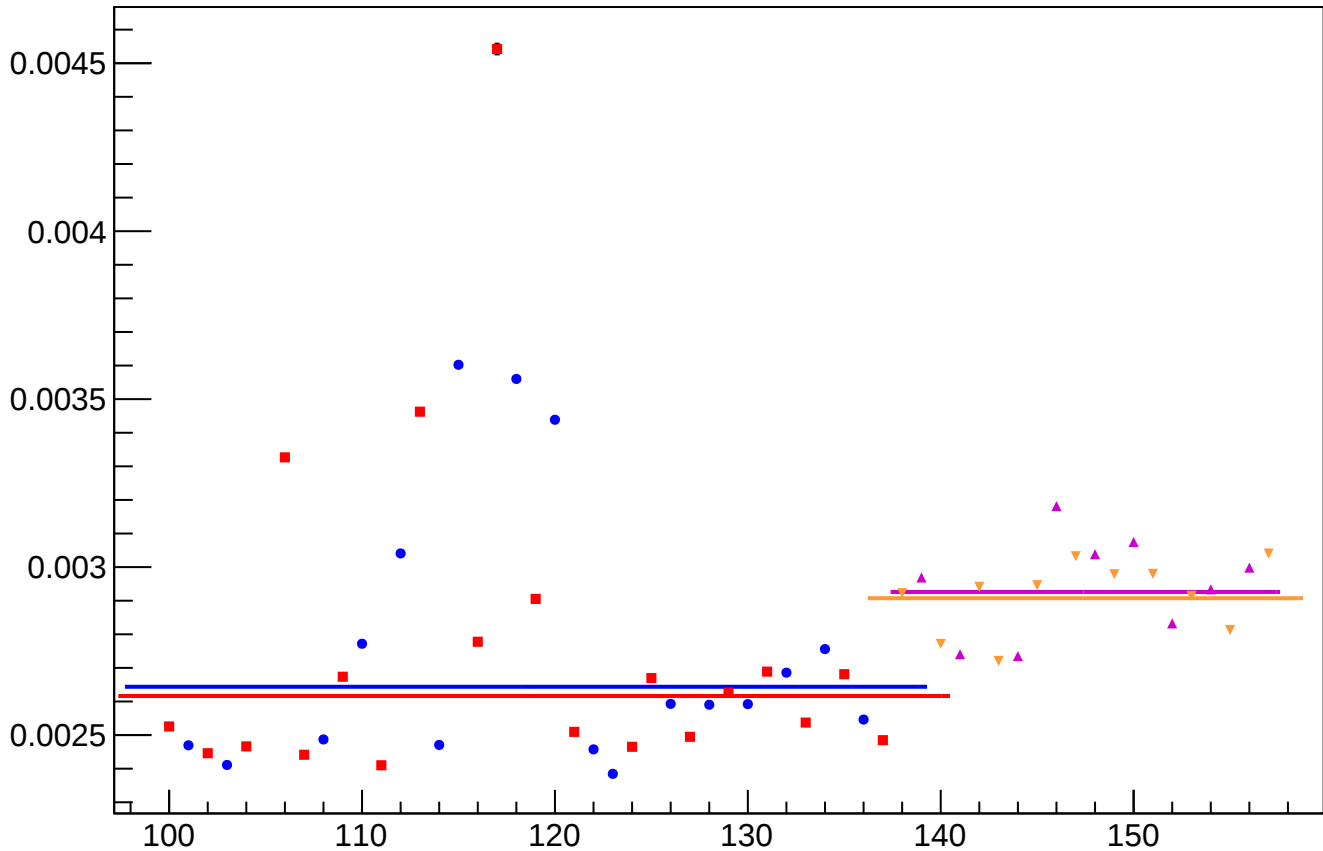
Left In: -2.046+/-0.000 χ^2/NDF : 76431155800.7/8

-1.818+/-0.000 χ^2/NDF : 321599544607.7/27

-1.805+/-0.000 χ^2/NDF : 636110336337.5

-1.791+/-0.000 χ^2/NDF : 313904950312.9/28

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 :18407.8/10

Right Out: 0.003+/-0.000 χ^2/NDF : 119852.1/19

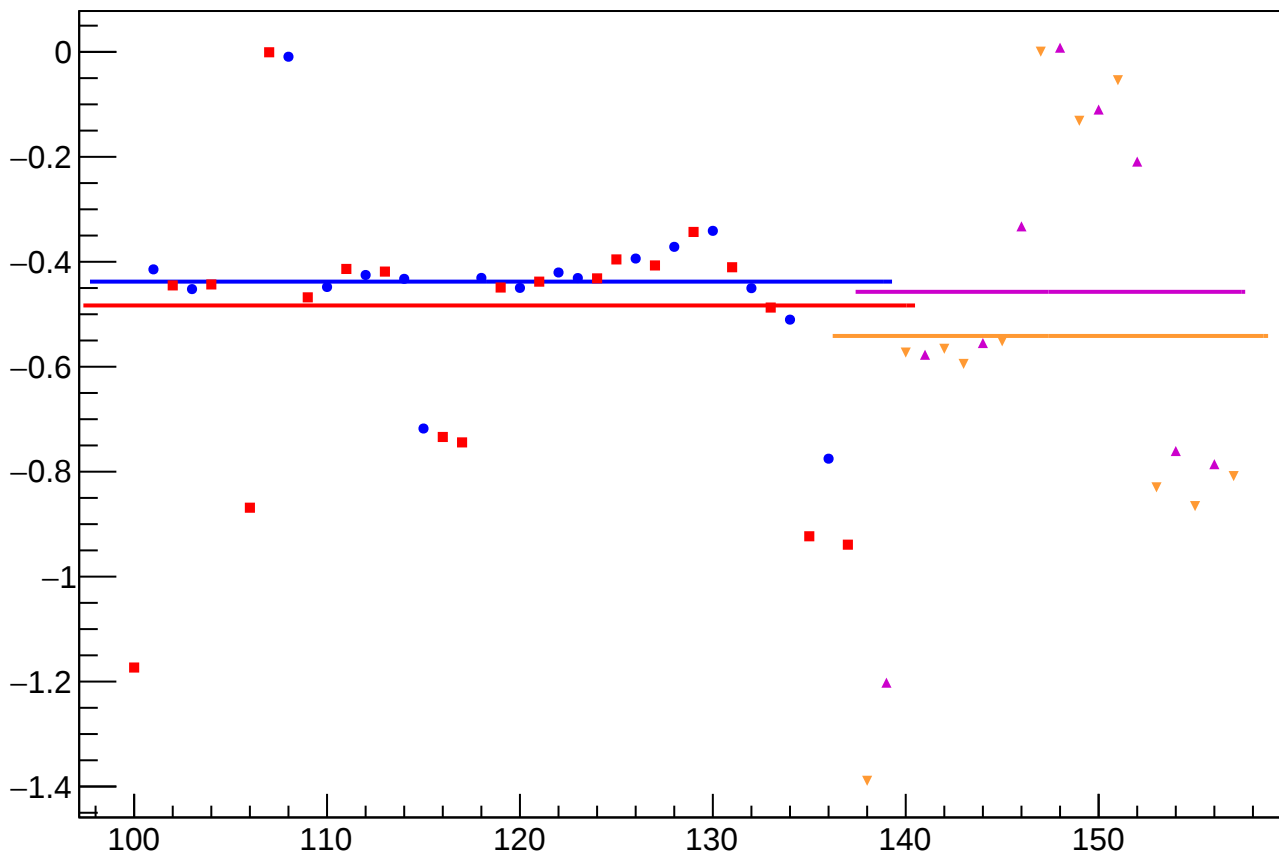
Left In: 0.003+/-0.000 χ^2/NDF :33017.4/8

0.003+/-0.000 χ^2/NDF : 231914.3/27

0.003+/-0.000 χ^2/NDF : 469938.9/56

0.003+/-0.000 χ^2/NDF : 237354.5/28

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.438 ± 0.000 $\chi^2/\text{NDF}: 1462454117.6/16$

Left Out: -0.541 ± 0.000 $\chi^2/\text{NDF}: 7316915297.5/10$

Right Out: -0.483 ± 0.000 $\chi^2/\text{NDF}: 2714164016.2/19$

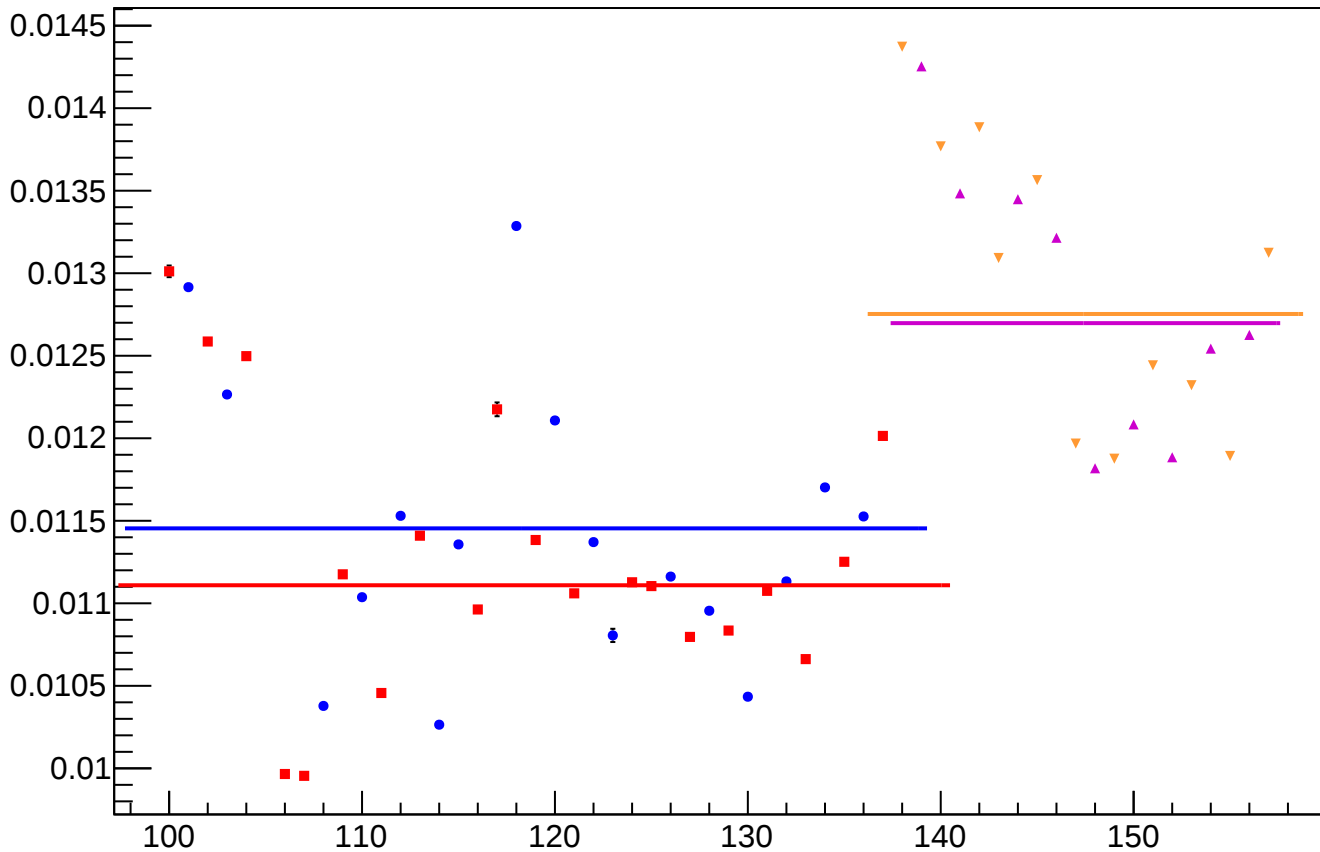
Left In: -0.457 ± 0.000 $\chi^2/\text{NDF}: 5155653277.7/8$

-0.488 ± 0.000 $\chi^2/\text{NDF}: 9038034109.0/27$

-0.480 ± 0.000 $\chi^2/\text{NDF}: 16937547724.3/5$

-0.472 ± 0.000 $\chi^2/\text{NDF}: 7886303826.6/28$

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 : 63356.1/10

Right Out: 0.011+/-0.000 χ^2/NDF : 56696.9/19

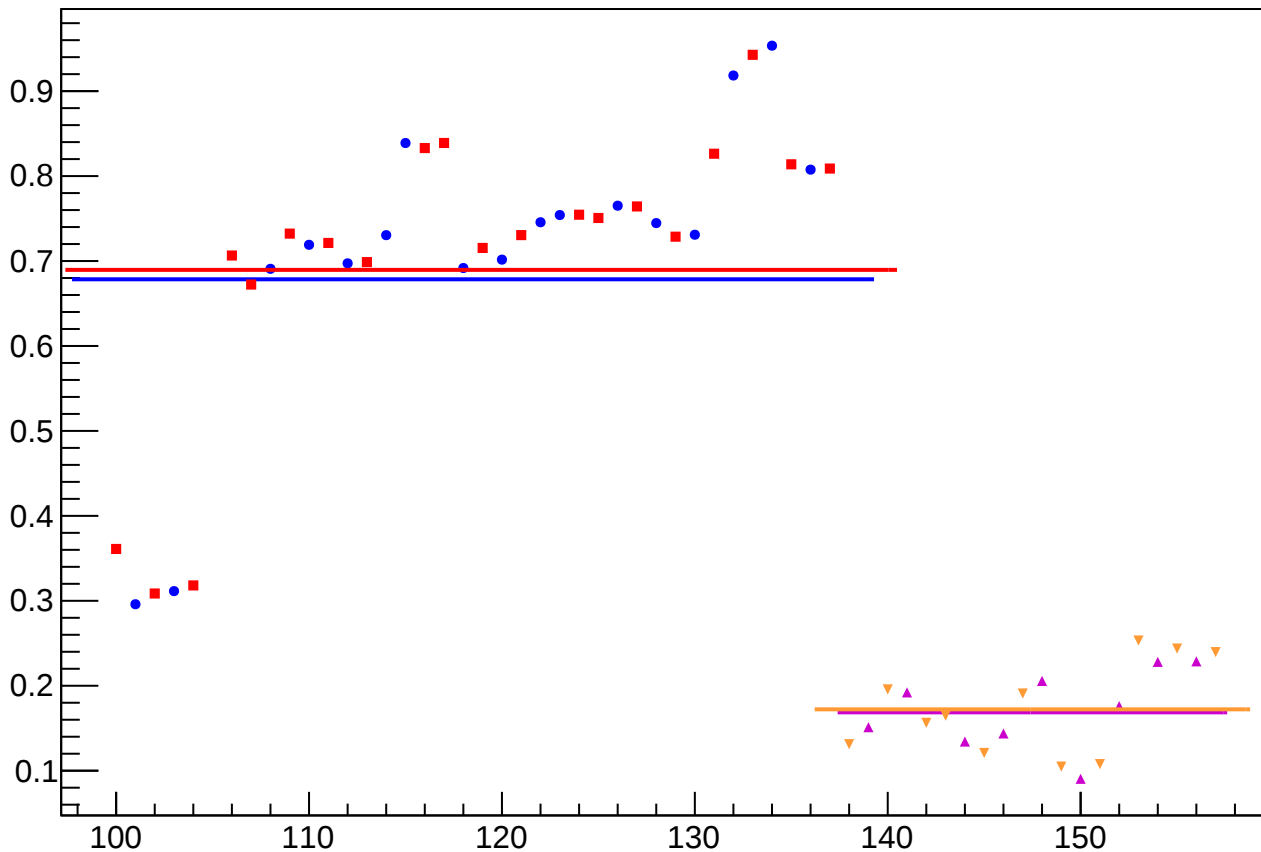
Left In: 0.013+/-0.000 χ^2/NDF : 48820.9/8

0.012+/-0.000 χ^2/NDF : 209466.6/27

0.012+/-0.000 χ^2/NDF : 446650.7/56

0.012+/-0.000 χ^2/NDF : 228689.4/28

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.678 $\pm$ 0.000 χ^2/NDF : 38506442638.3/16

Left Out: 0.172 $\pm$ 0.000 χ^2/NDF : 4470882257.0/10

Right Out: 0.690 $\pm$ 0.000 χ^2/NDF : 35439496983.3/19

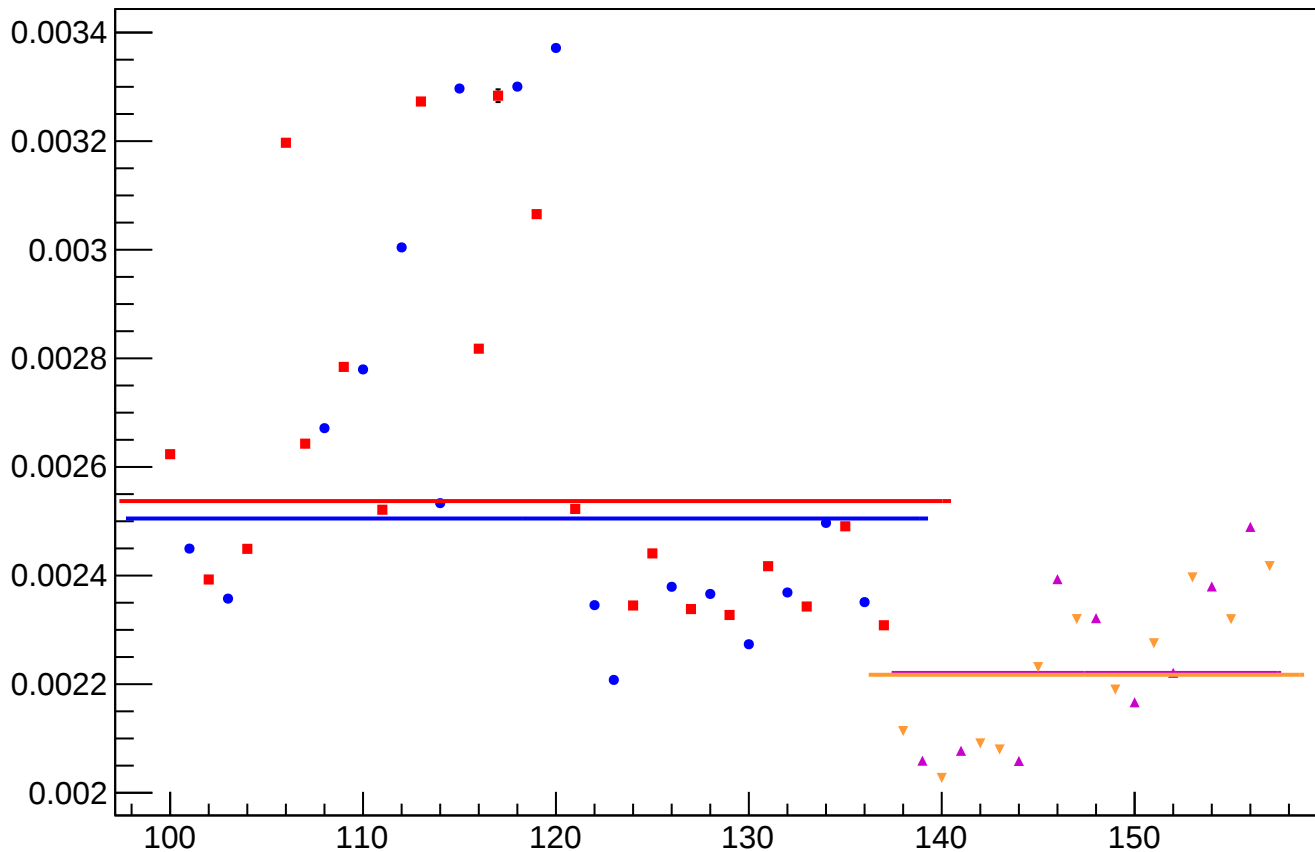
Left In: 0.169 $\pm$ 0.000 χ^2/NDF : 2782935216.3/8

0.367 $\pm$ 0.000 χ^2/NDF : 203250370123.5/27

0.376 $\pm$ 0.000 χ^2/NDF : 407370800864.4/27

0.386 $\pm$ 0.000 χ^2/NDF : 203627762954.3/28

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 : 53003.8/10

Right Out: 0.003+/-0.000 χ^2/NDF : 135649.7/19

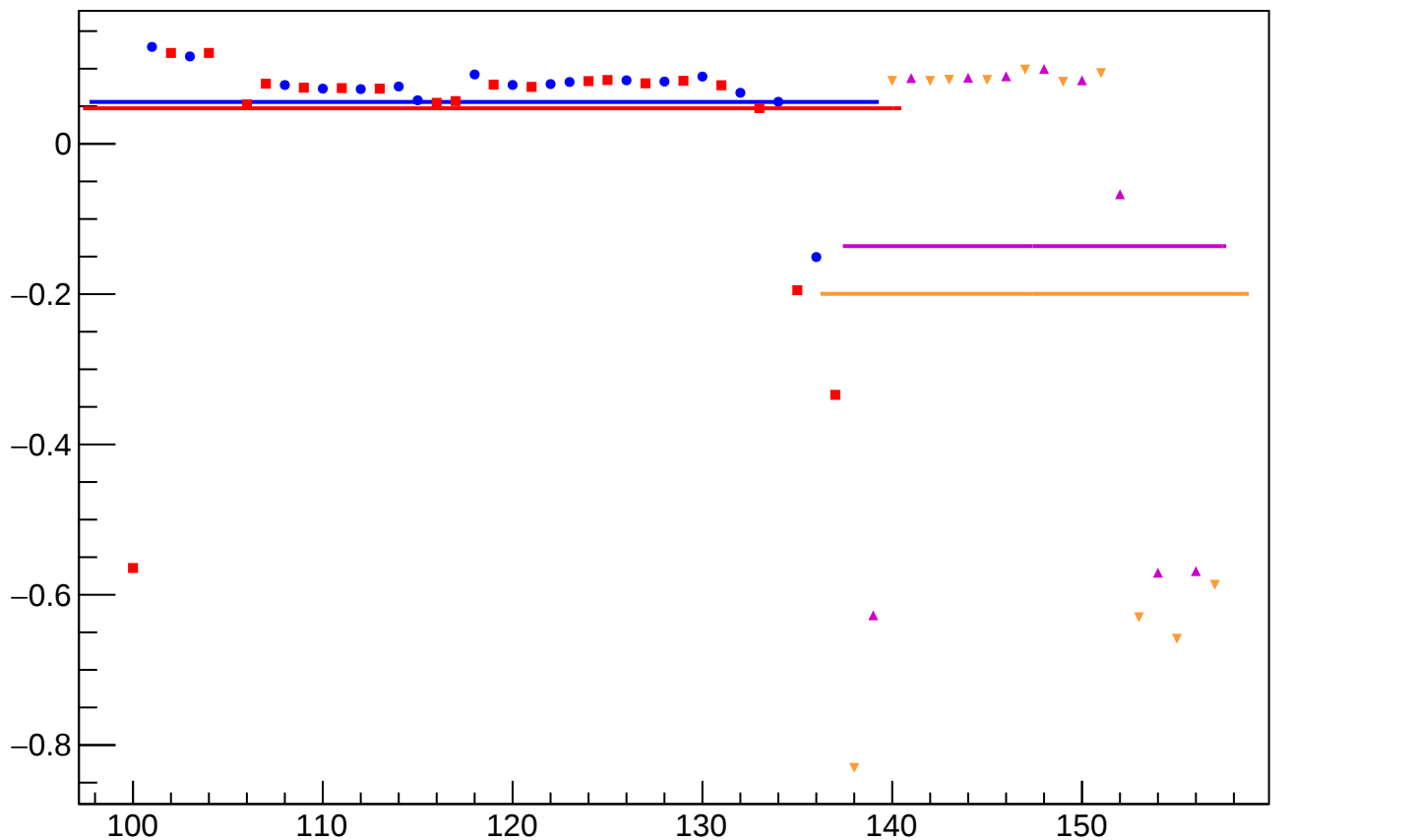
Left In: 0.002+/-0.000 χ^2/NDF : 64787.1/8

0.002+/-0.000 χ^2/NDF : 332090.0/27

0.002+/-0.000 χ^2/NDF : 656244.4/56

0.002+/-0.000 χ^2/NDF : 322541.9/28

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.200+/-0.000 χ^2/NDF : 7888458488.1/10

Right Out: 0.047+/-0.000 χ^2/NDF : 819626031.7/19

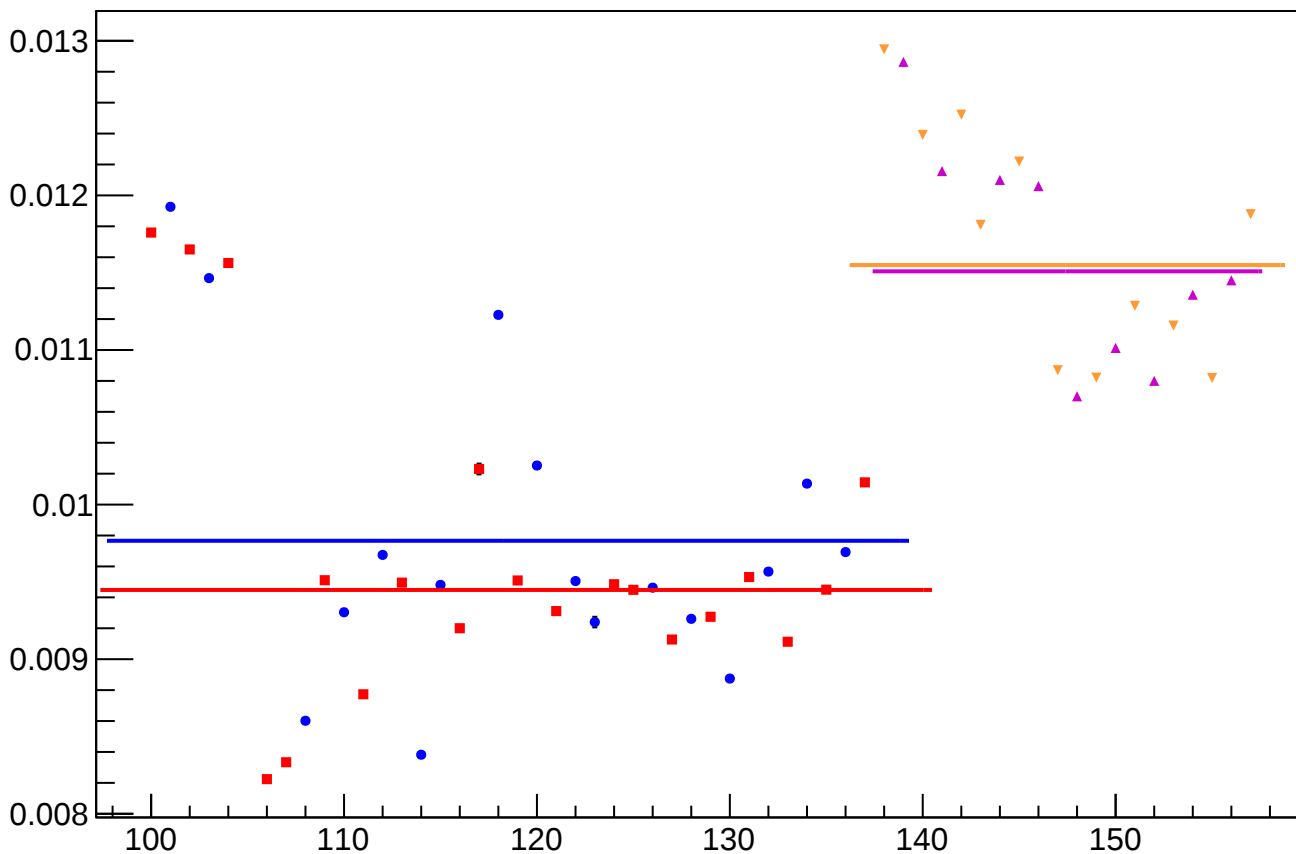
Left In: -0.136+/-0.000 χ^2/NDF : 4756262338.8/8

-0.062+/-0.000 χ^2/NDF : 10338818749.8/27

-0.044+/-0.000 χ^2/NDF : 17047116956.3/5

-0.026+/-0.000 χ^2/NDF : 6627908572.0/28

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:56035.5/10

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 111197.0/19

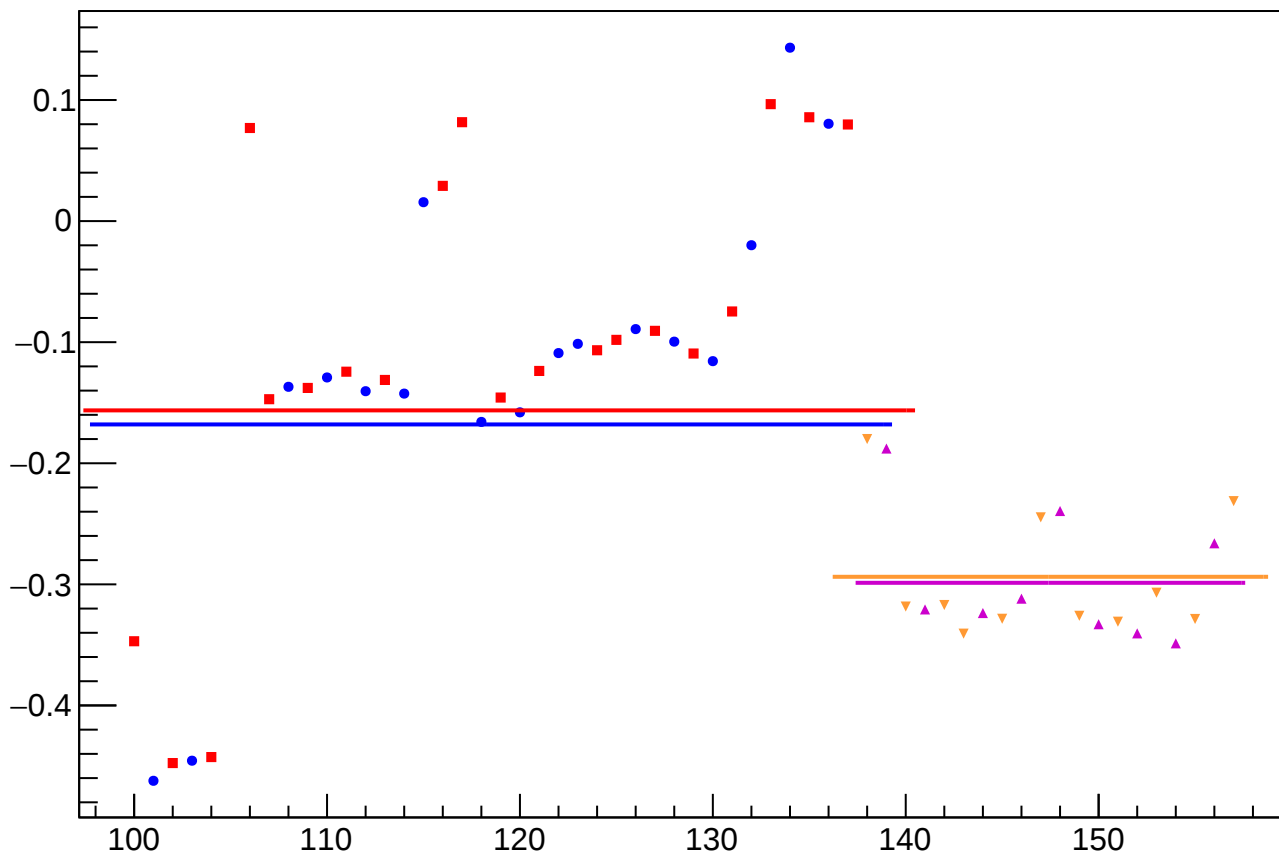
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:45306.6/8

0.011 $\pm$ 0.000 χ^2 /NDF: 370526.4/27

0.010 $\pm$ 0.000 χ^2 /NDF: 805075.8/56

0.010 $\pm$ 0.000 χ^2 /NDF: 422162.9/28

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.294+/-0.000 χ^2/NDF : 2389379083.9/10

Right Out: -0.156+/-0.000 χ^2/NDF : 11061140252.3/19

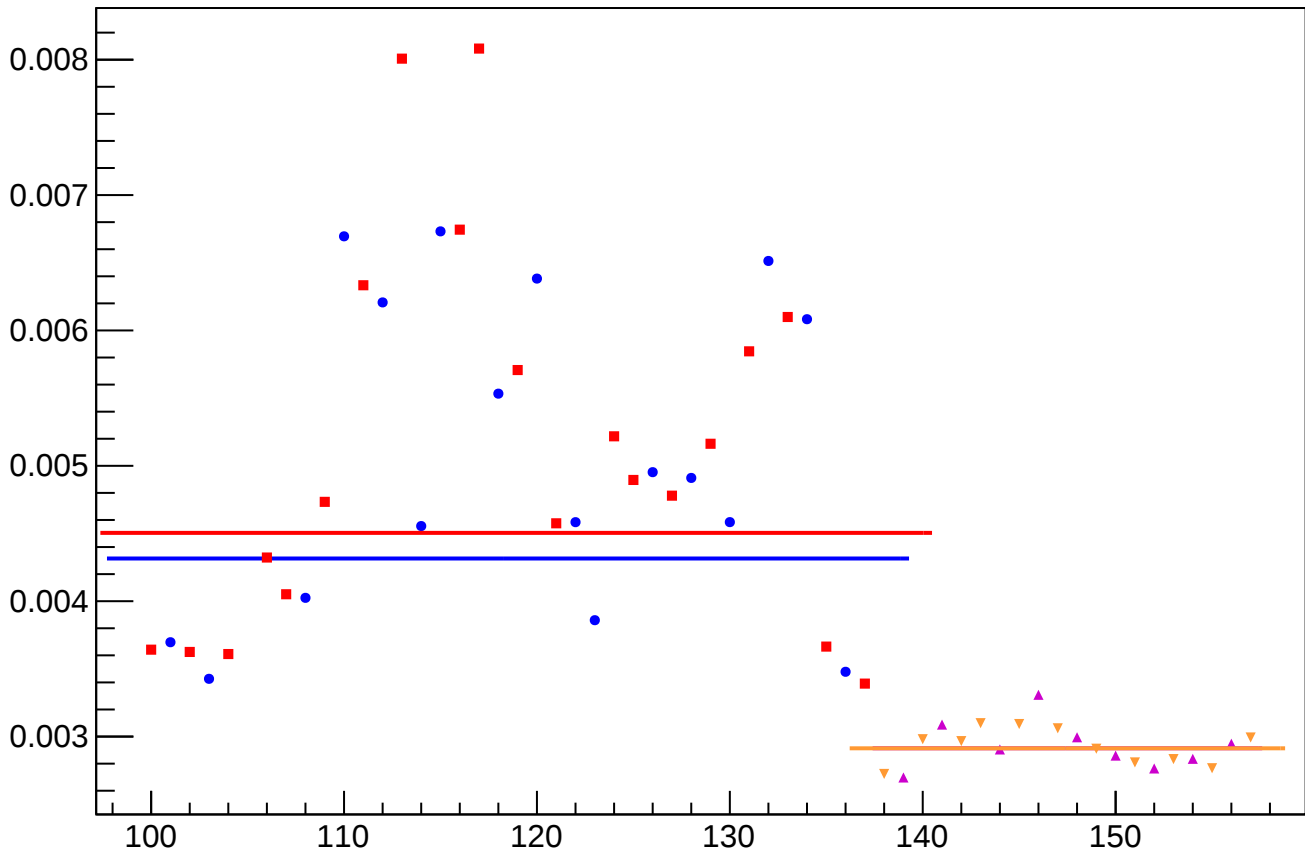
Left In: -0.299+/-0.000 χ^2/NDF : 2174160851.3/8

-0.261+/-0.000 χ^2/NDF : 18389674202.6/27

-0.261+/-0.000 χ^2/NDF : 36154404760.2/5

-0.260+/-0.000 χ^2/NDF : 17762643988.8/28

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 619744.7/16

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF : 28988.4/10

Right Out: 0.005 $\pm$ 0.000 χ^2/NDF : 665152.6/19

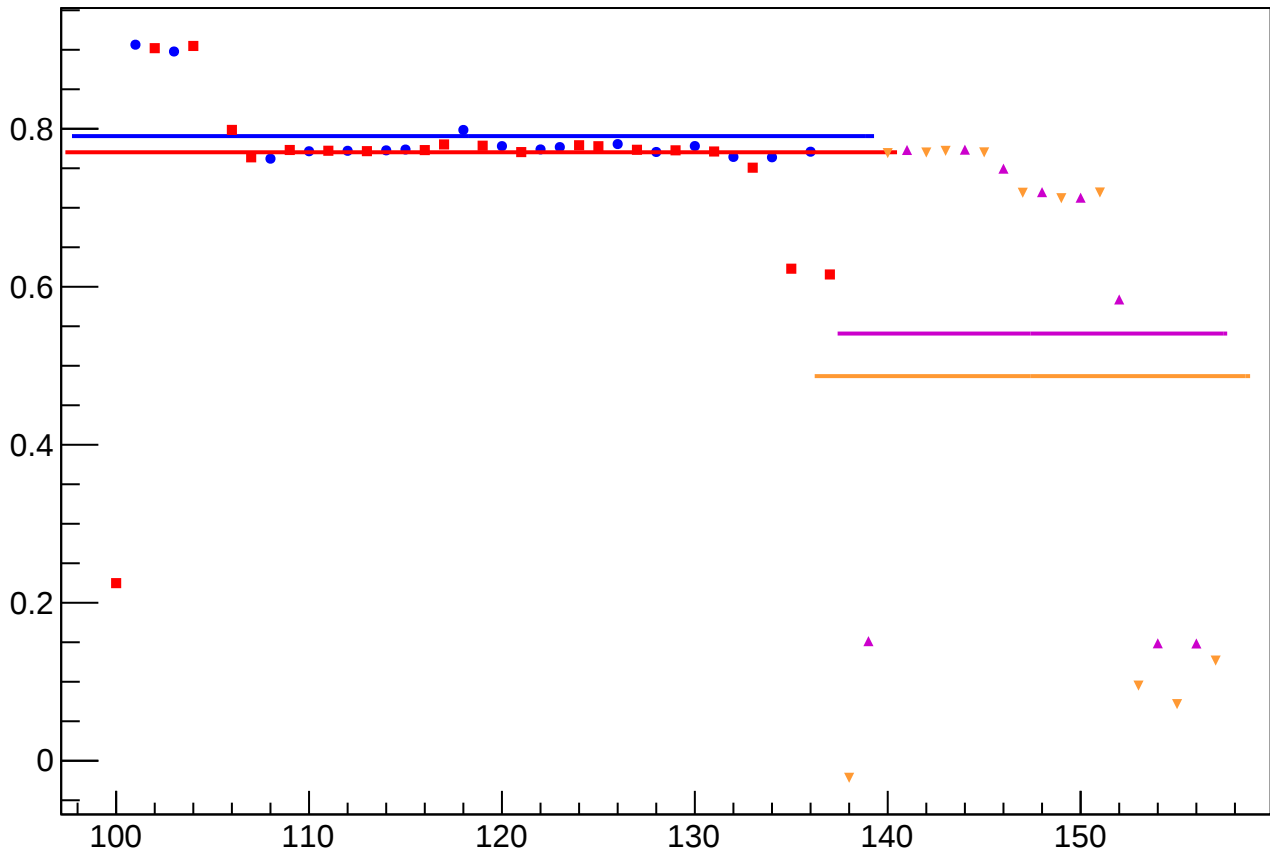
Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 41378.4/8

0.003 $\pm$ 0.000 χ^2/NDF : 1559792.8/27

0.003 $\pm$ 0.000 χ^2/NDF : 3403896.4/56

0.003 $\pm$ 0.000 χ^2/NDF : 1837025.8/28

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.791 $\pm$ 0.000 χ^2/NDF : 106705767.1/16

Left Out: 0.487 $\pm$ 0.000 χ^2/NDF : 6517368177.3/10

Right Out: 0.770 $\pm$ 0.000 χ^2/NDF : 375473971.0/19

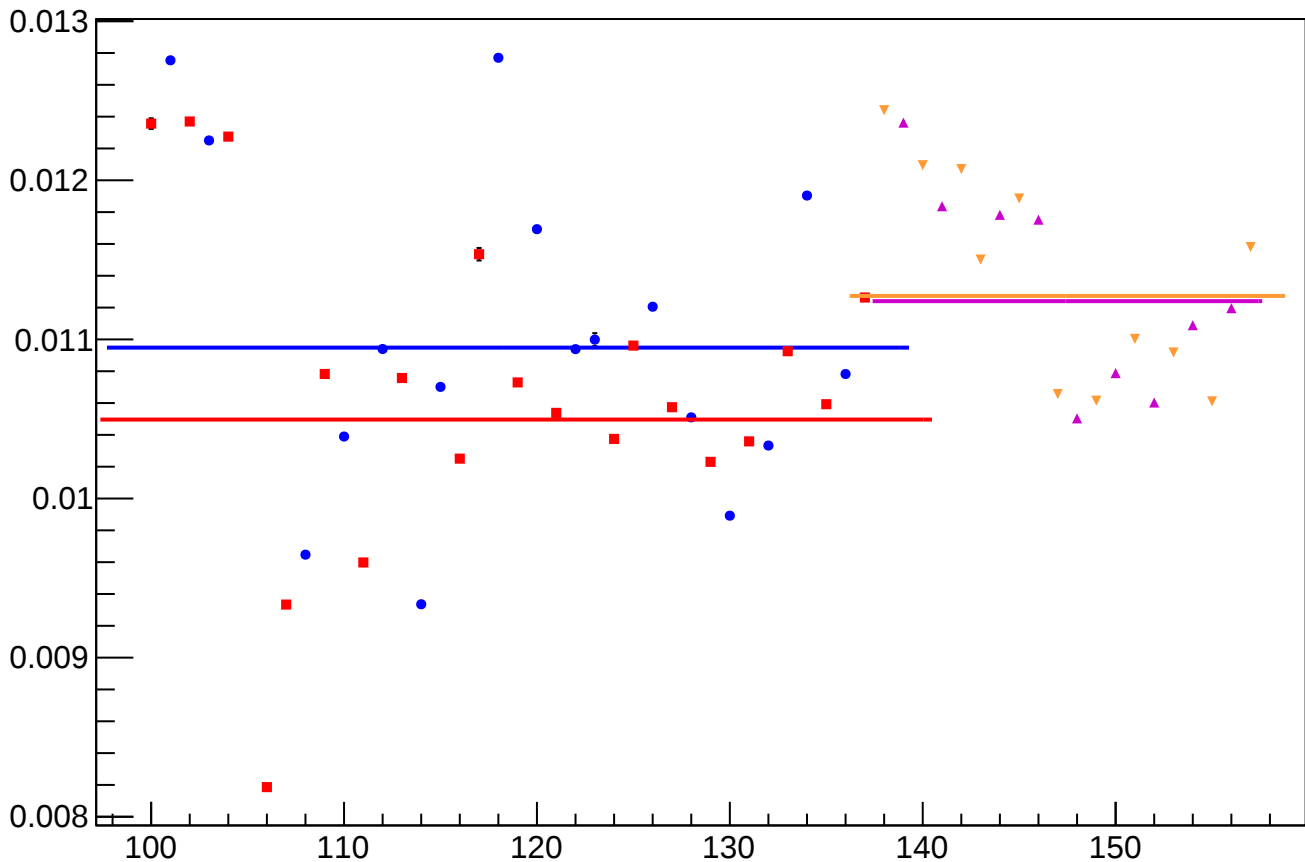
Left In: 0.541 $\pm$ 0.000 χ^2/NDF : 3907369302.1/8

0.629 $\pm$ 0.000 χ^2/NDF : 9262271178.3/27

0.646 $\pm$ 0.000 χ^2/NDF : 15162104729.3/5

0.663 $\pm$ 0.000 χ^2/NDF : 5833019830.6/28

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 98551.4/16

Left Out: 0.011+/-0.000 χ^2/NDF : 47417.2/10

Right Out: 0.010+/-0.000 χ^2/NDF : 120120.6/19

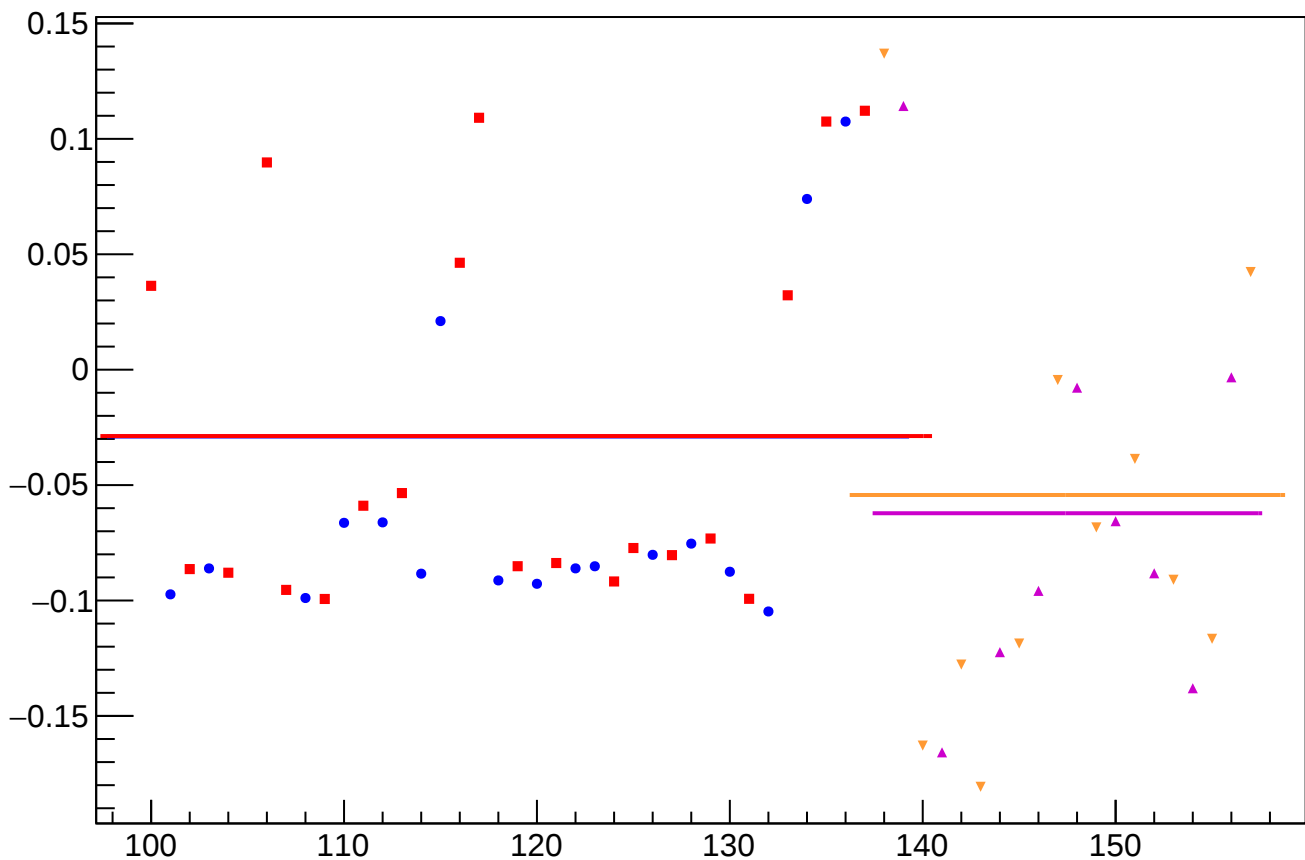
Left In: 0.011+/-0.000 χ^2/NDF : 37879.6/8

0.011+/-0.000 χ^2/NDF : 152003.1/27

0.011+/-0.000 χ^2/NDF : 351561.6/56

0.011+/-0.000 χ^2/NDF : 190603.7/28

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.054+/-0.000 χ^2/NDF : 5954279605.6/10

Right Out: -0.029+/-0.000 χ^2/NDF : 2122918772.1/19

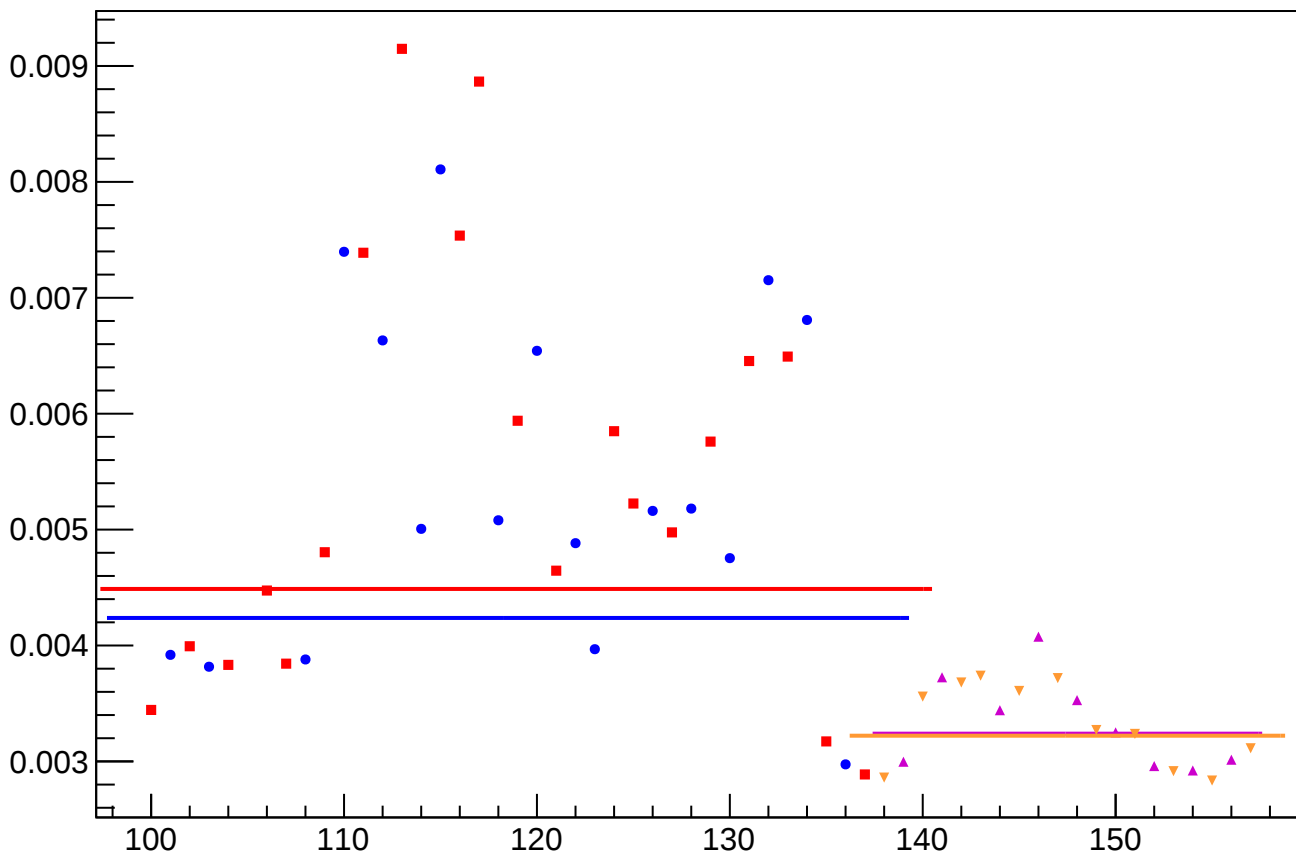
Left In: -0.062+/-0.000 χ^2/NDF : 4153963824.4/8

-0.047+/-0.000 χ^2/NDF : 8537305690.0/27

-0.049+/-0.000 χ^2/NDF : 15049405271.9/5

-0.052+/-0.000 χ^2/NDF : 6500159974.9/28

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 881584.1/16

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF :156671.9/10

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 1003473.4/19

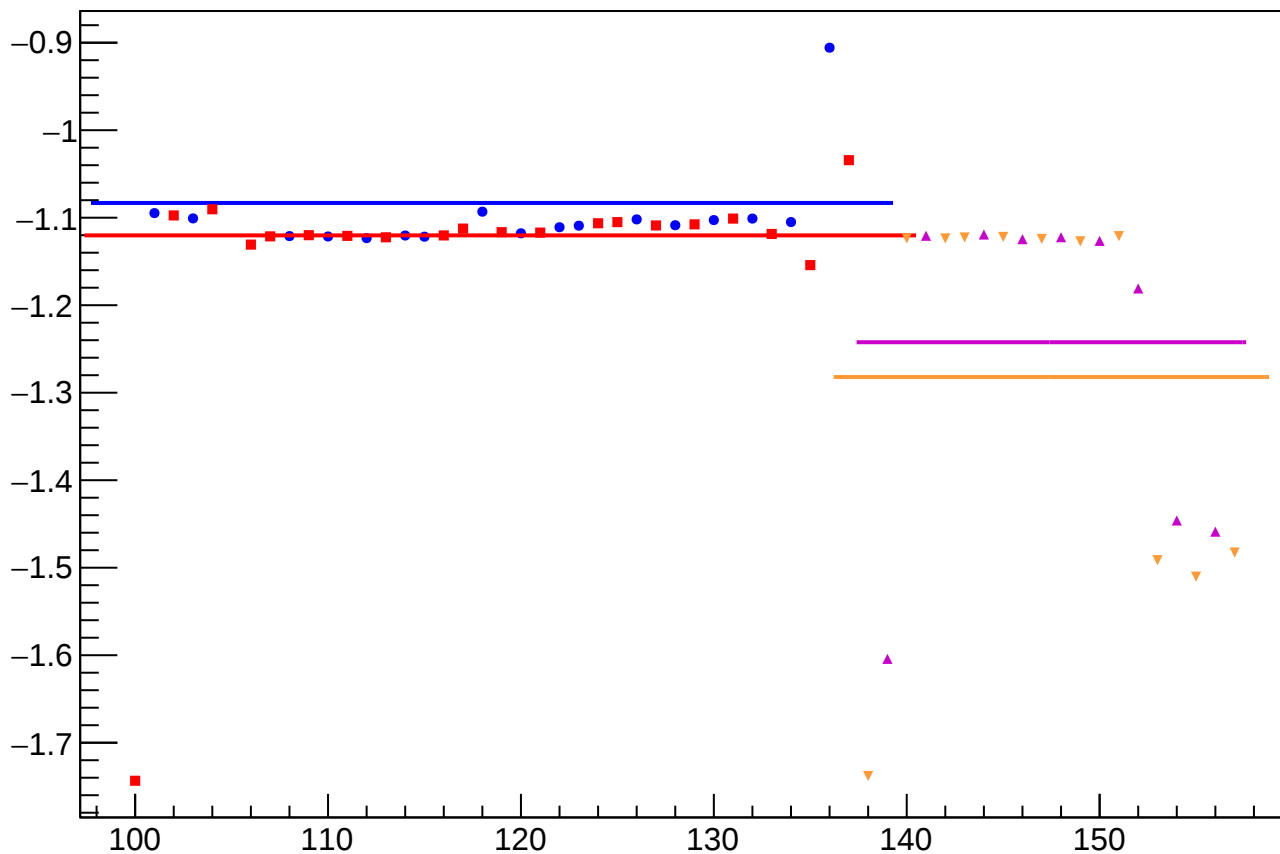
Left In: 0.003 $\pm$ 0.000 χ^2/NDF :147150.8/8

0.004 $\pm$ 0.000 χ^2/NDF : 1478629.2/27

0.004 $\pm$ 0.000 χ^2/NDF : 3263043.3/56

0.004 $\pm$ 0.000 χ^2/NDF : 1773425.6/28

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -1.083+/-0.000 χ^2/NDF : 202920901.6/16

Left Out: -1.282+/-0.000 χ^2/NDF : 3394153519.2/10

Right Out: -1.120+/-0.000 χ^2/NDF : 220586820.0/19

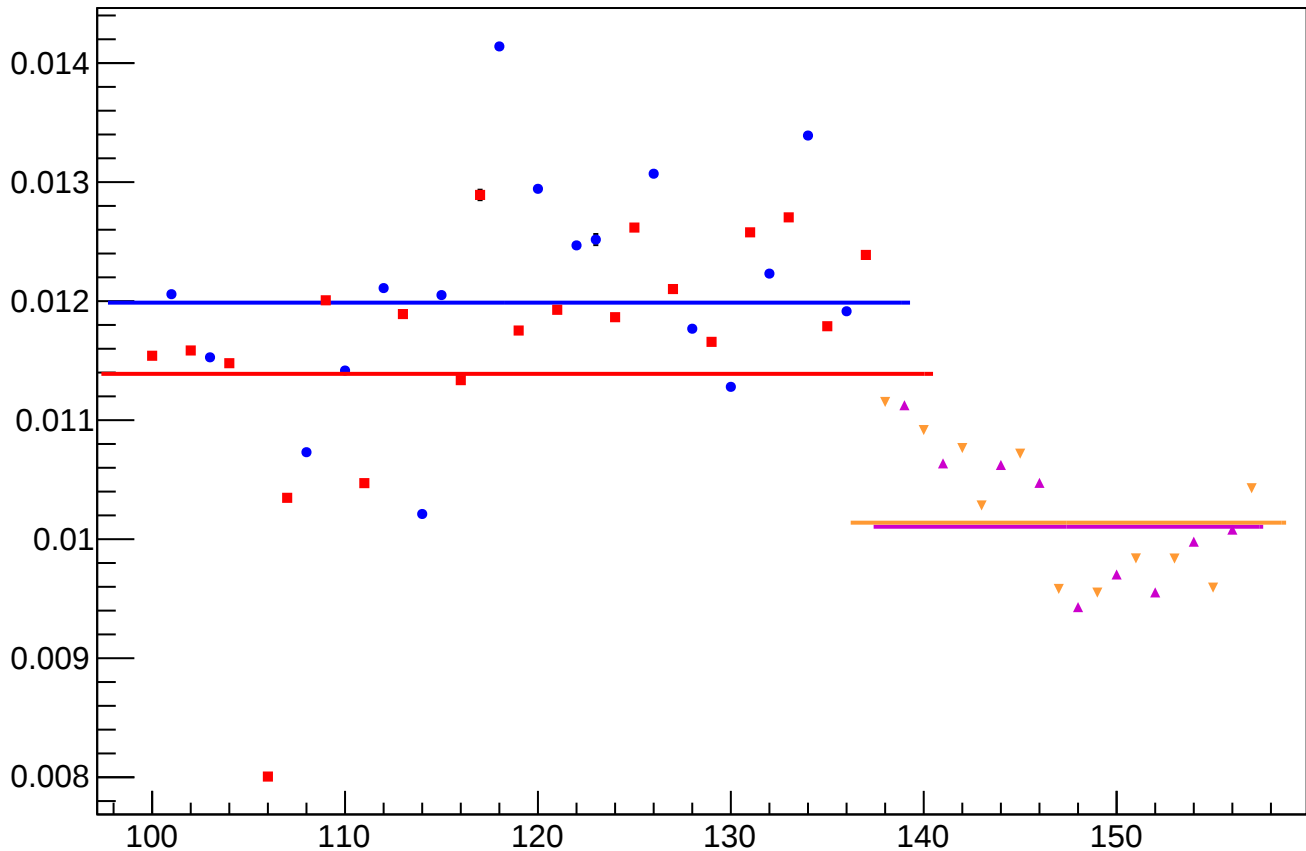
Left In: -1.242+/-0.000 χ^2/NDF : 1977759576.8/8

-1.208+/-0.000 χ^2/NDF : 4711654543.7/27

-1.199+/-0.000 χ^2/NDF : 7379039409.0/50

-1.189+/-0.000 χ^2/NDF : 2645218500.9/28

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 60402.0/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 46342.4/10

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 155700.3/19

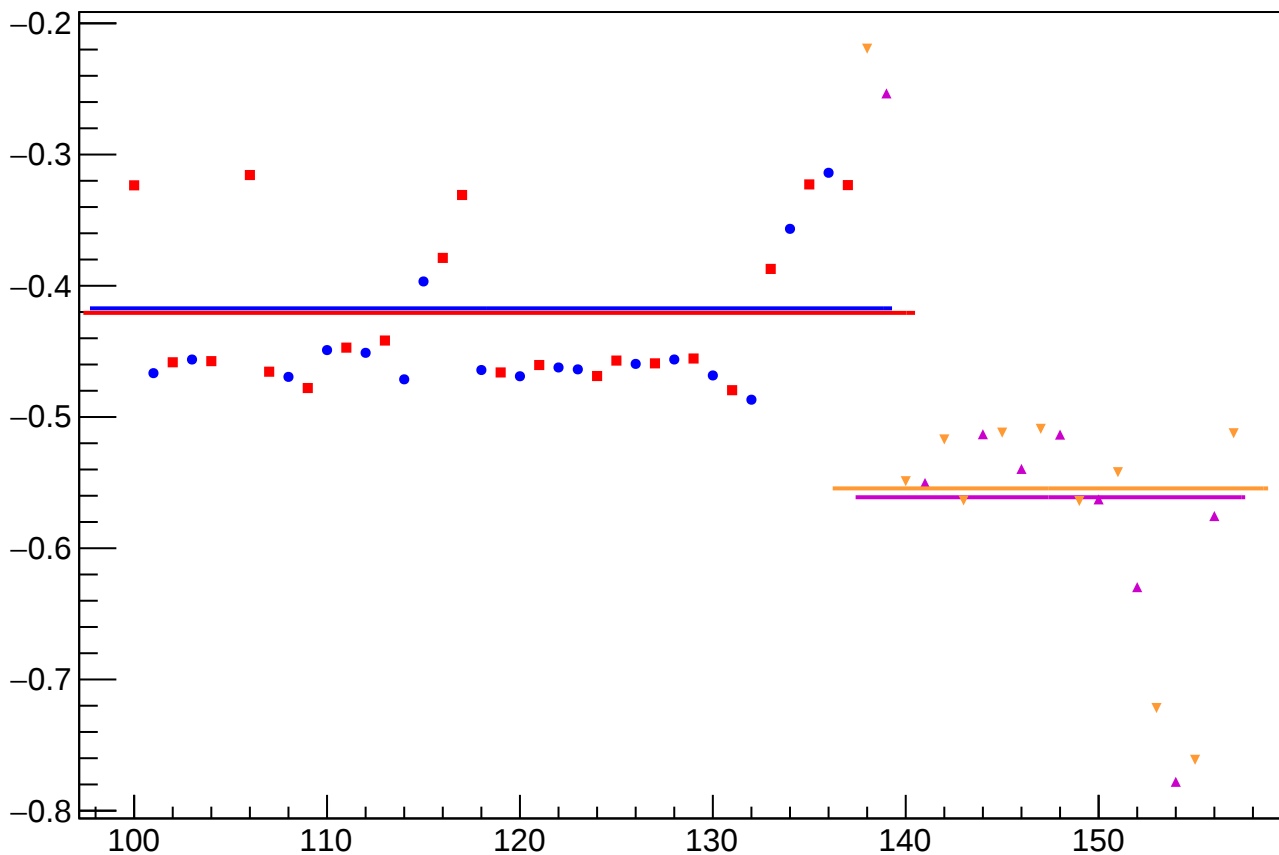
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 37502.2/8

0.011 $\pm$ 0.000 χ^2 /NDF: 299232.1/27

0.011 $\pm$ 0.000 χ^2 /NDF: 594424.0/56

0.011 $\pm$ 0.000 χ^2 /NDF: 292063.4/28

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.554+/-0.000 χ^2/NDF : 12443858987.0/10

Right Out: -0.421+/-0.000 χ^2/NDF : 1652792044.5/19

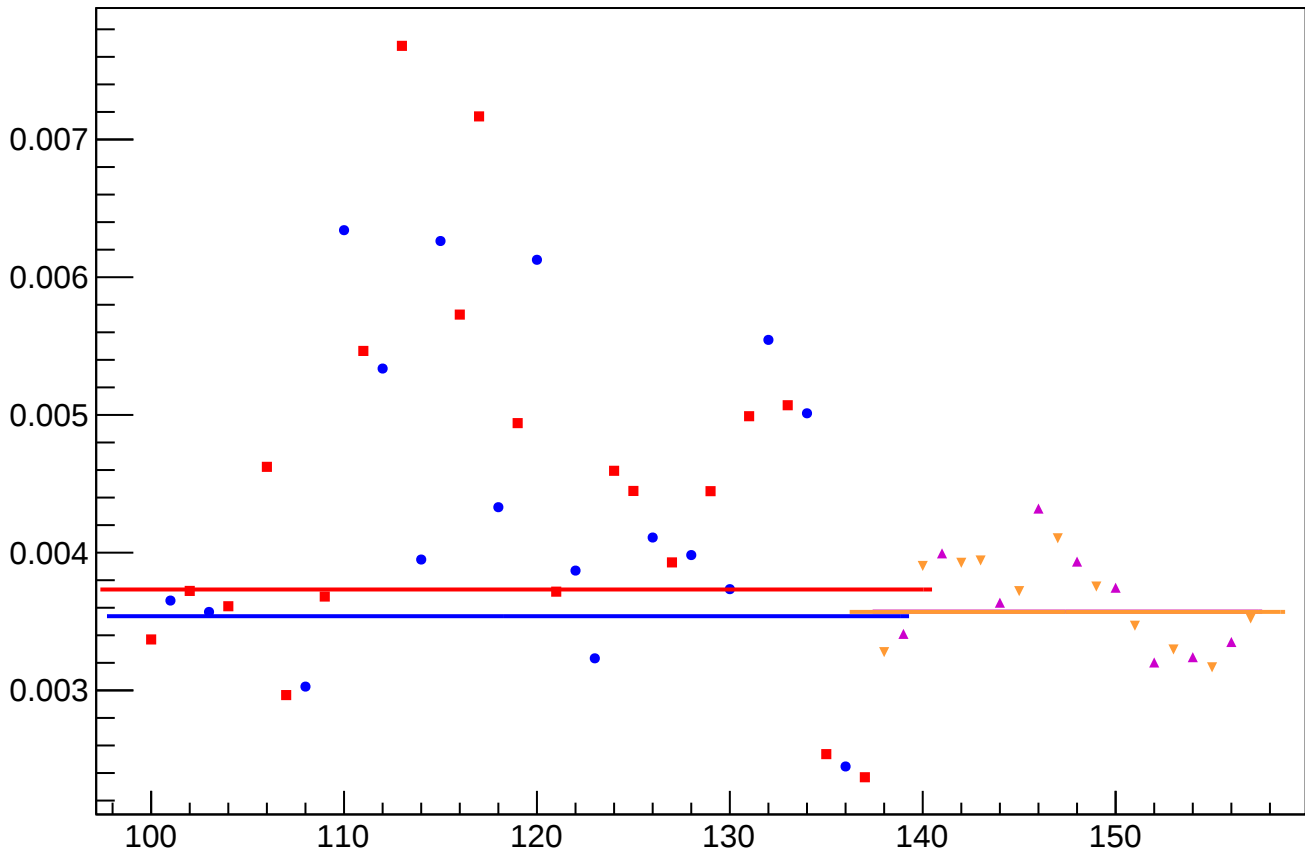
Left In: -0.561+/-0.000 χ^2/NDF : 9432921779.9/8

-0.496+/-0.000 χ^2/NDF : 19155050383.3/27

-0.497+/-0.000 χ^2/NDF : 34840979640.3/3

-0.498+/-0.000 χ^2/NDF : 15682956963.4/28

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:104097.4/10

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 916963.6/19

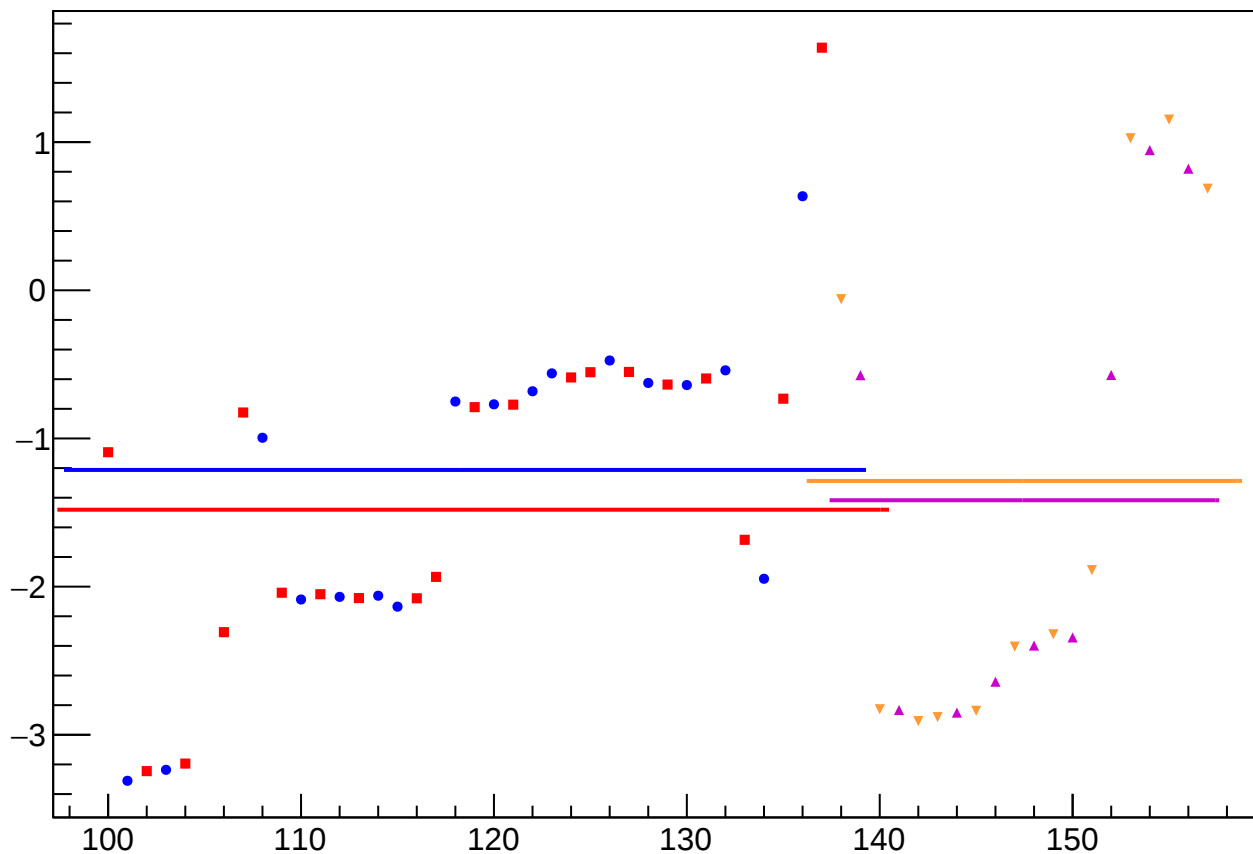
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:119797.9/8

0.004 $\pm$ 0.000 χ^2 /NDF: 940736.1/27

0.004 $\pm$ 0.000 χ^2 /NDF: 1996984.5/56

0.004 $\pm$ 0.000 χ^2 /NDF: 1048746.6/28

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.212+/-0.000 χ^2/NDF : 1992853443.9/16

Left Out: -1.287+/-0.000 χ^2/NDF : 3752391339.3/10

Right Out: -1.481+/-0.000 χ^2/NDF : 1579722113.8/19

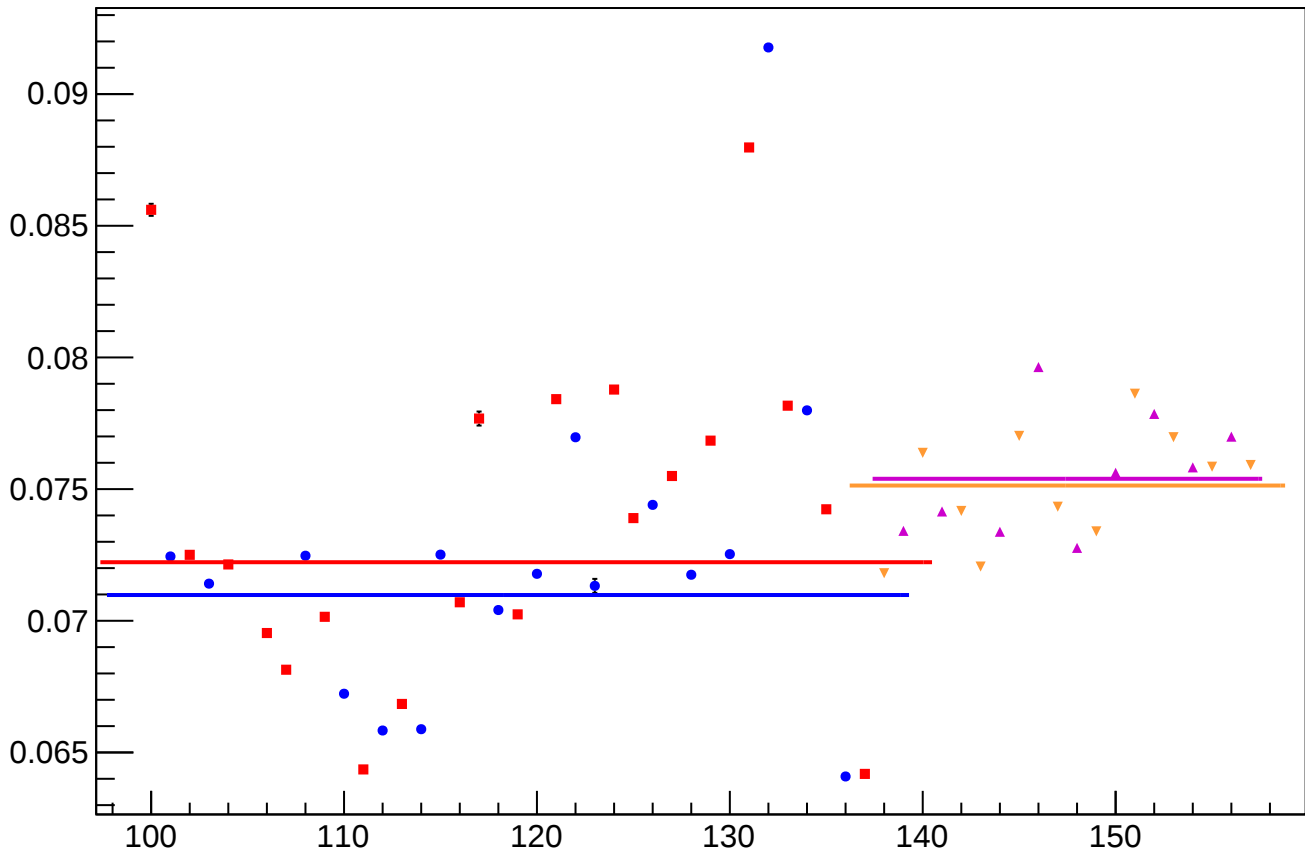
Left In: -1.417+/-0.000 χ^2/NDF : 2709375641.9/8

-1.251+/-0.000 χ^2/NDF : 5748976111.4/27

-1.348+/-0.000 χ^2/NDF : 10093272367.7/5

-1.450+/-0.000 χ^2/NDF : 4291724582.1/28

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.071+/-0.000 χ^2/NDF : 77589.5/16

Left Out: 0.075+/-0.000 χ^2/NDF : 12244.6/10

Right Out: 0.072+/-0.000 χ^2/NDF : 73650.9/19

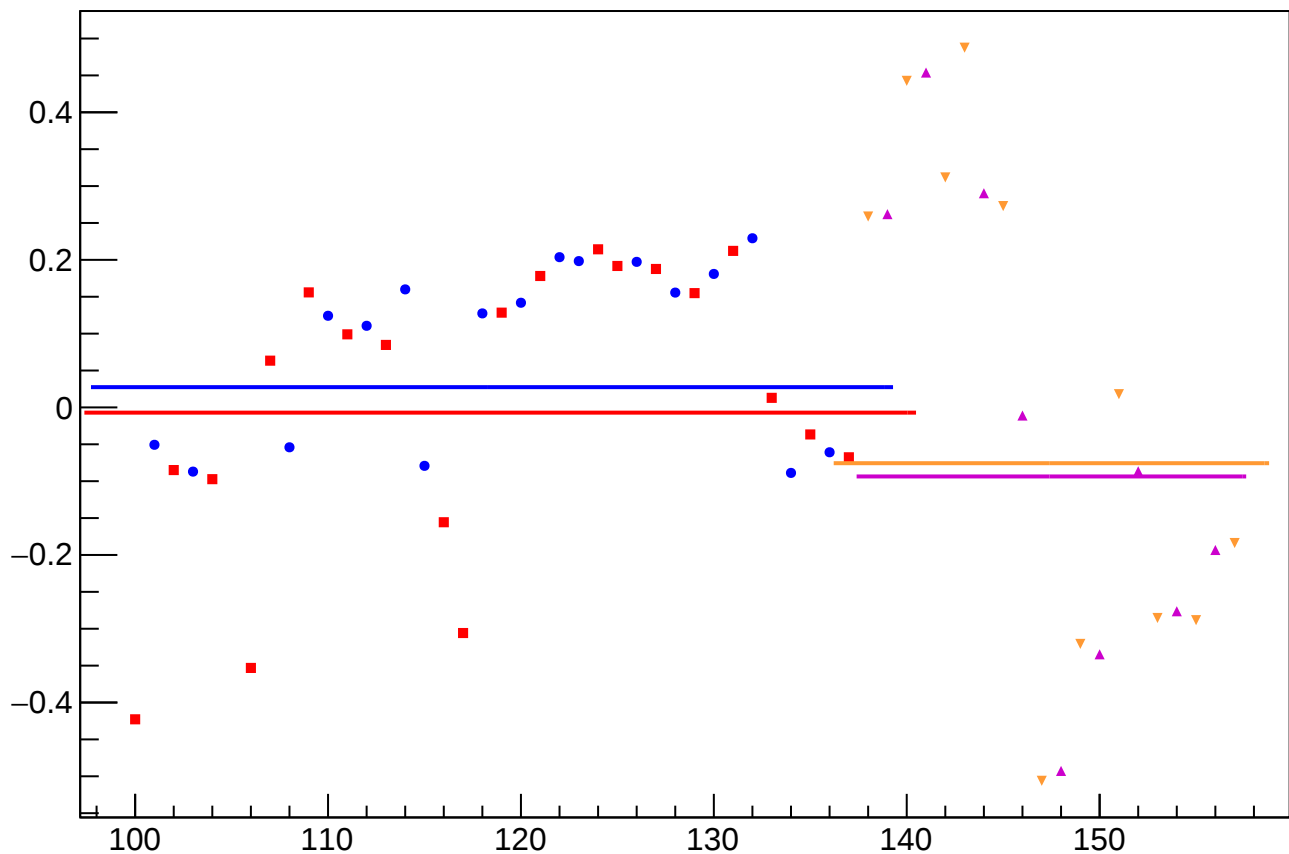
Left In: 0.075+/-0.000 χ^2/NDF : 11289.0/8

0.073+/-0.000 χ^2/NDF : 113251.6/27

0.073+/-0.000 χ^2/NDF : 212196.7/56

0.074+/-0.000 χ^2/NDF : 97940.9/28

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 0.027+/-0.000 χ^2/NDF : 562337631.4/16

Left Out: -0.076+/-0.000 χ^2/NDF : 12719367875.0/10

Right Out: -0.007+/-0.000 χ^2/NDF : 1207003891.2/19

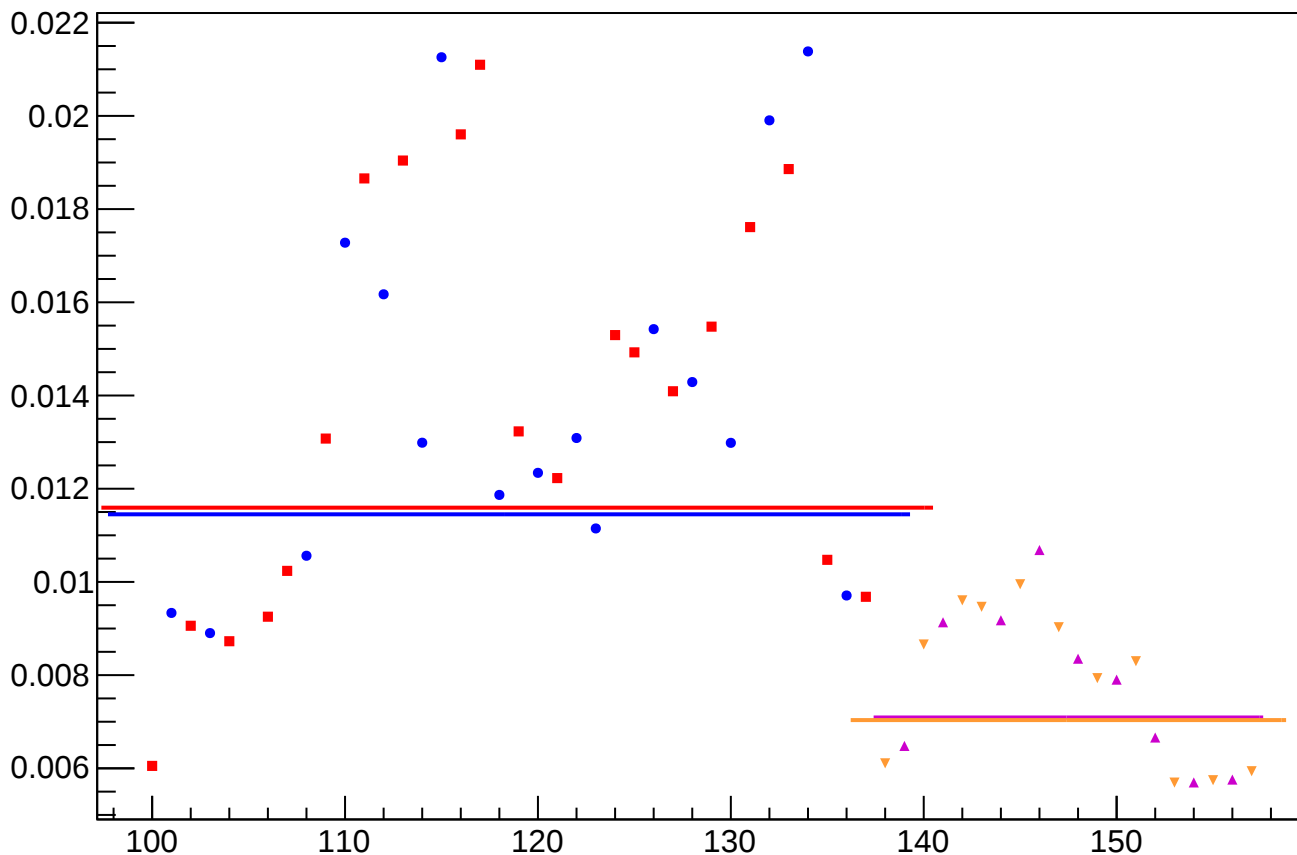
Left In: -0.094+/-0.000 χ^2/NDF : 9563440946.0/8

-0.052+/-0.000 χ^2/NDF : 13639269409.0/27

-0.061+/-0.000 χ^2/NDF : 24691936331.2/5

-0.071+/-0.000 χ^2/NDF : 11017412308.3/28

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 679628.0/16

Left Out: 0.007+/-0.000 χ^2/NDF : 664768.7/10

Right Out: 0.012+/-0.000 χ^2/NDF : 1012799.2/19

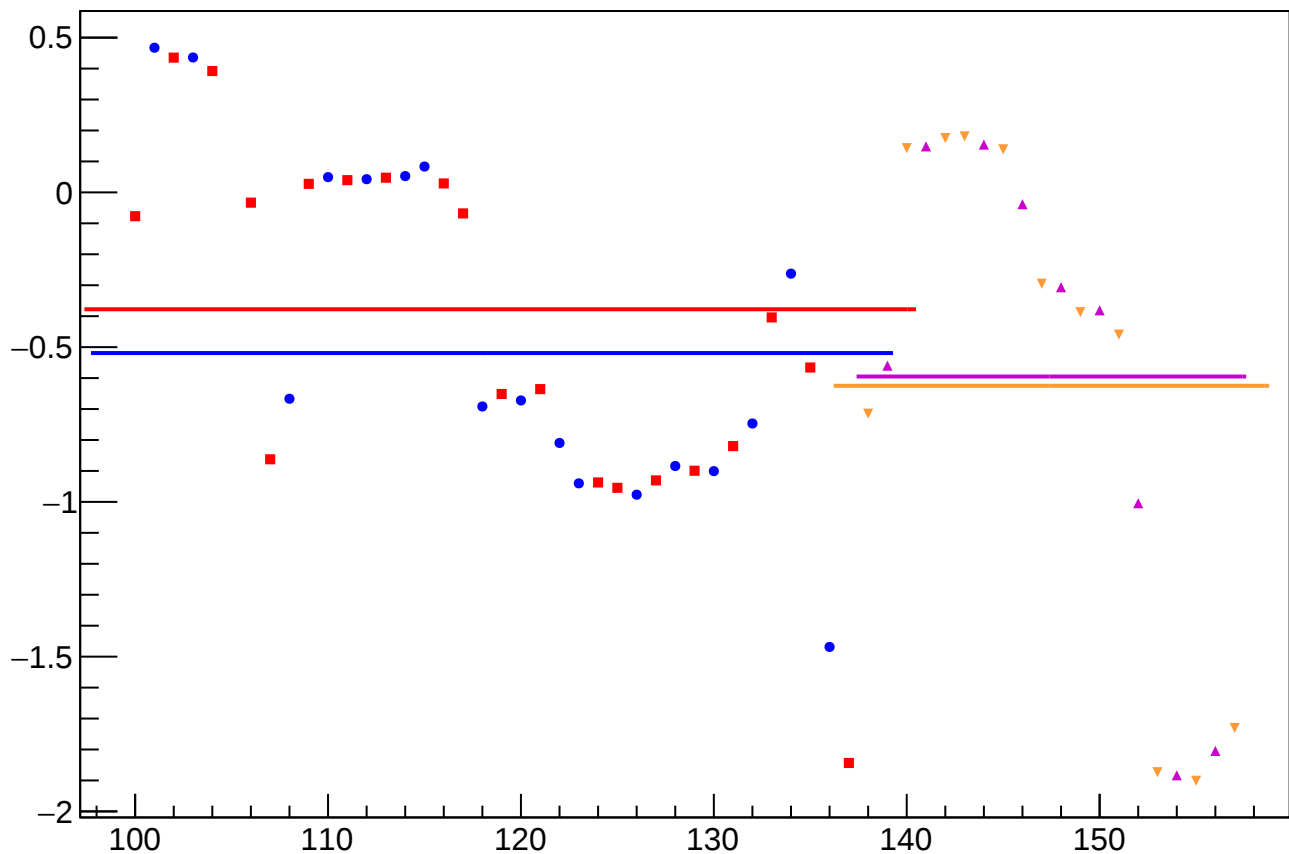
Left In: 0.007+/-0.000 χ^2/NDF : 554182.4/8

0.008+/-0.000 χ^2/NDF : 2656689.7/27

0.008+/-0.000 χ^2/NDF : 5568059.3/56

0.008+/-0.000 χ^2/NDF : 2905290.7/28

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.519+/-0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.625+/-0.000 χ^2/NDF : 662685805.4/10

Right Out: -0.378+/-0.000 χ^2/NDF : 269130827.6/19

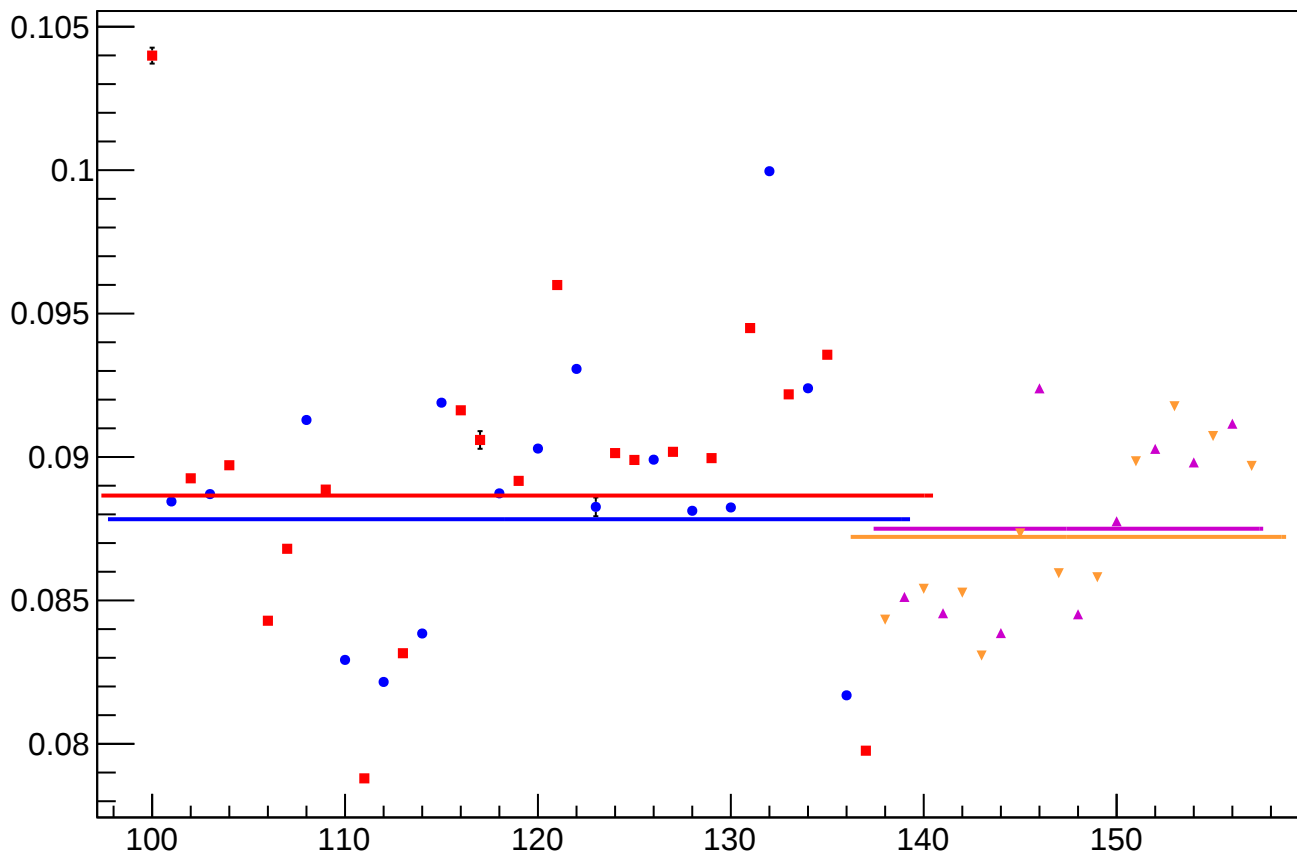
Left In: -0.595+/-0.000 χ^2/NDF : 501077489.3/8

-0.577+/-0.000 χ^2/NDF : 1007406750.2/27

-0.534+/-0.000 χ^2/NDF : 1806952255.2/50

-0.488+/-0.000 χ^2/NDF : 792072512.7/28

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.088 $\pm$ 0.000 χ^2/NDF : 34954.4/16

Left Out: 0.087 $\pm$ 0.000 χ^2/NDF : 15717.1/10

Right Out: 0.089 $\pm$ 0.000 χ^2/NDF : 39762.8/19

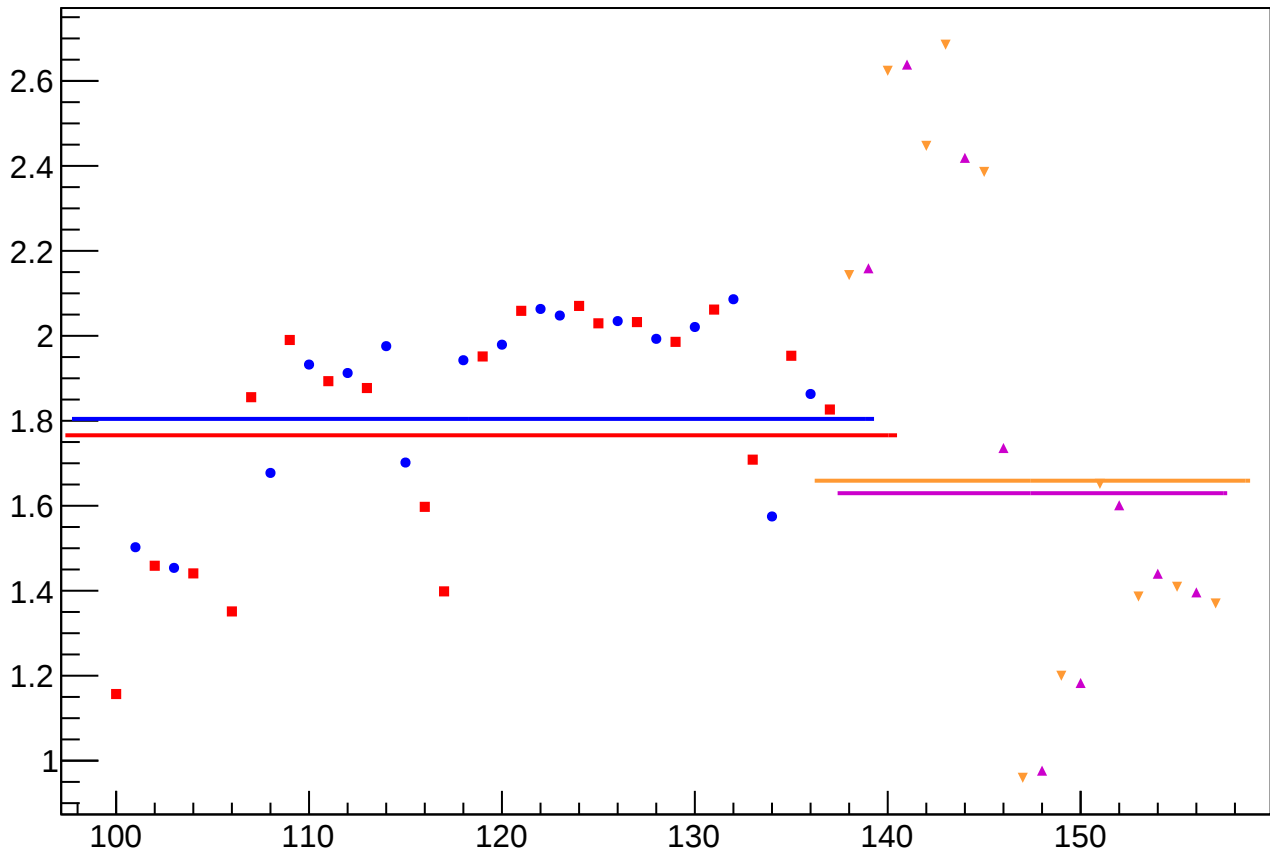
Left In: 0.087 $\pm$ 0.000 χ^2/NDF : 17870.3/8

0.087 $\pm$ 0.000 χ^2/NDF : 51034.0/27

0.088 $\pm$ 0.000 χ^2/NDF : 110529.8/56

0.088 $\pm$ 0.000 χ^2/NDF : 58872.0/28

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.804 ± 0.000 χ^2/NDF : 1156747883.2/16

Left Out: 1.659 ± 0.000 χ^2/NDF : 20994908894.8/10

Right Out: 1.766 ± 0.000 χ^2/NDF : 1717275187.7/19

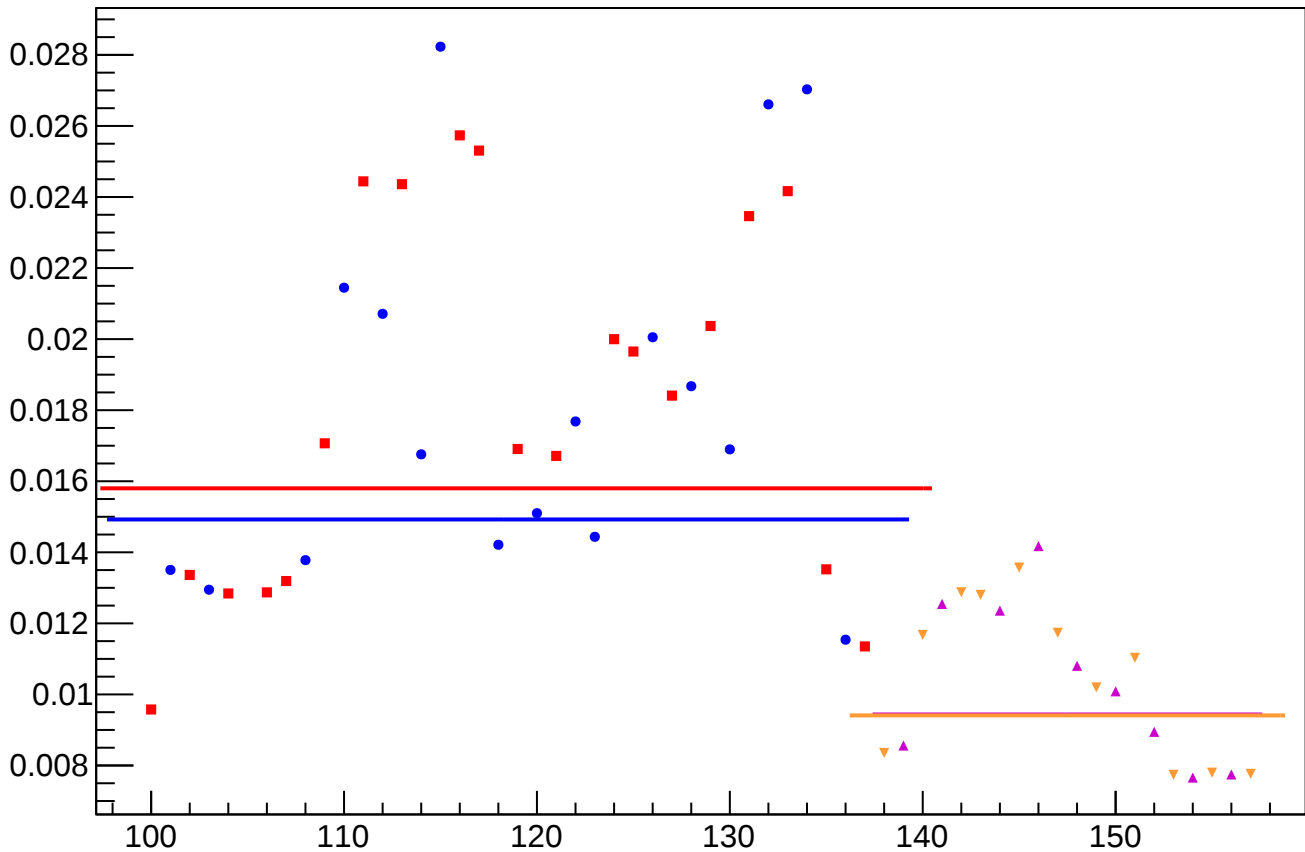
Left In: 1.630 ± 0.000 χ^2/NDF : 16142800852.3/8

1.694 ± 0.000 χ^2/NDF : 22567506350.1/27

1.679 ± 0.000 χ^2/NDF : 40814186042.3/5

1.663 ± 0.000 χ^2/NDF : 18199412106.1/28

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 643651.9/16

Left Out: 0.009+/-0.000 χ^2/NDF : 645887.3/10

Right Out: 0.016+/-0.000 χ^2/NDF : 796839.8/19

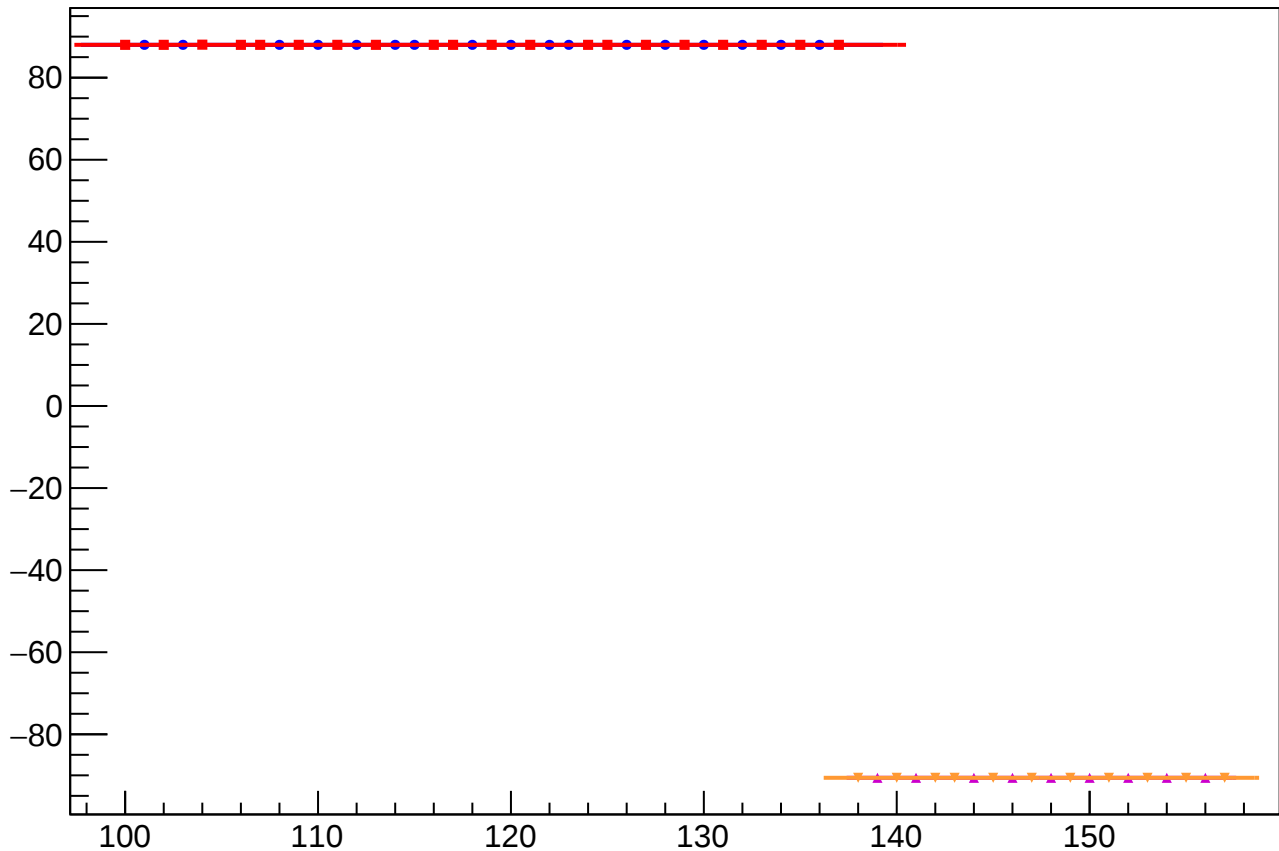
Left In: 0.009+/-0.000 χ^2/NDF : 540328.2/8

0.011+/-0.000 χ^2/NDF : 2485387.1/27

0.011+/-0.000 χ^2/NDF : 5311074.0/56

0.011+/-0.000 χ^2/NDF : 2817124.5/28

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 : 3538337.8/10

Right Out: 88.004+/-0.000 χ^2/NDF : 77578366411928007427611426816.0/19

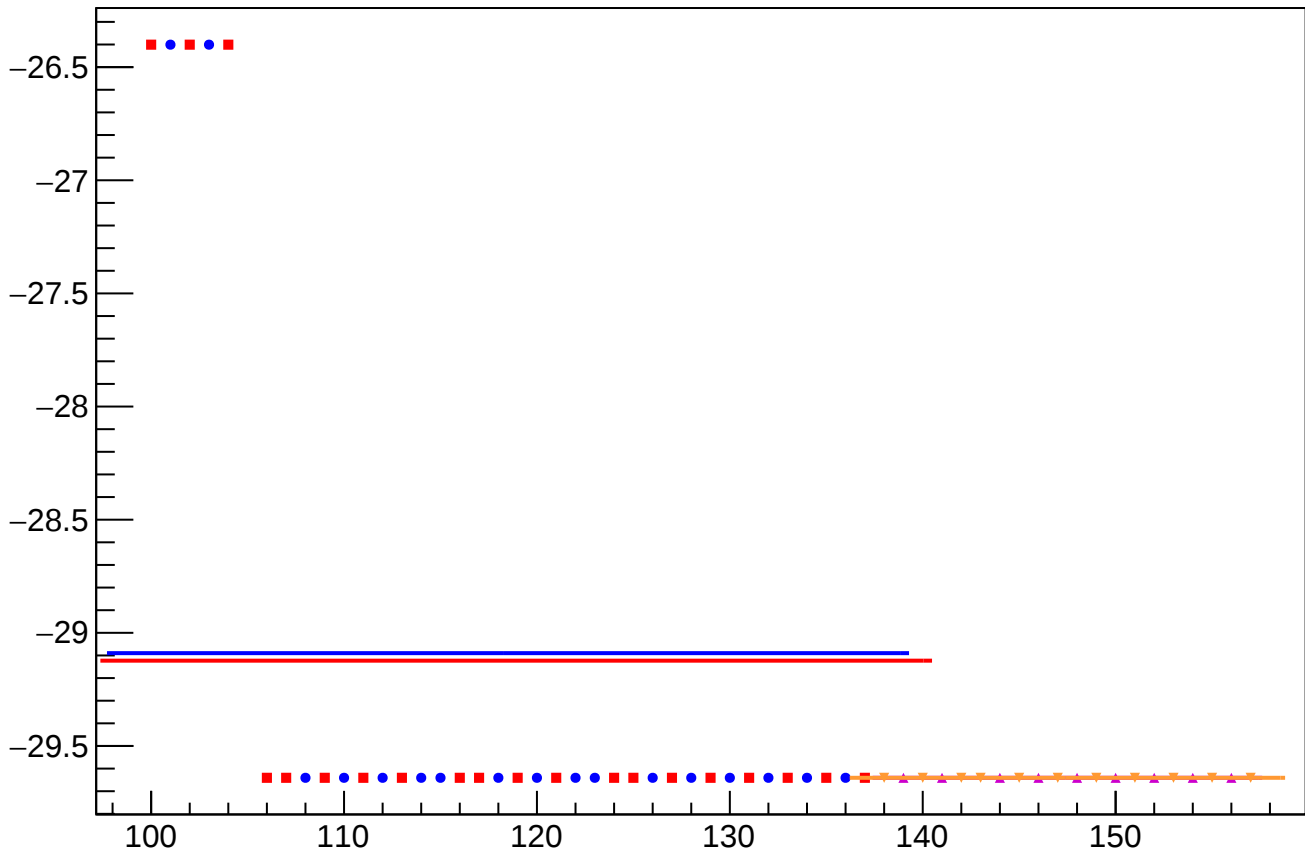
Left In: -90.599+/-0.000 χ^2/NDF : 987729.6/8

-9.640+/-0.000 χ^2/NDF : 121024318803918892

-6.454+/-0.000 χ^2/NDF : 23955397909178

-3.165+/-0.000 χ^2/NDF : 118213773250416193

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 :175556.3/10

Right Out: -29.123+/-0.000 χ^2/NDF : 1023154512396702254583444720844800.0/19

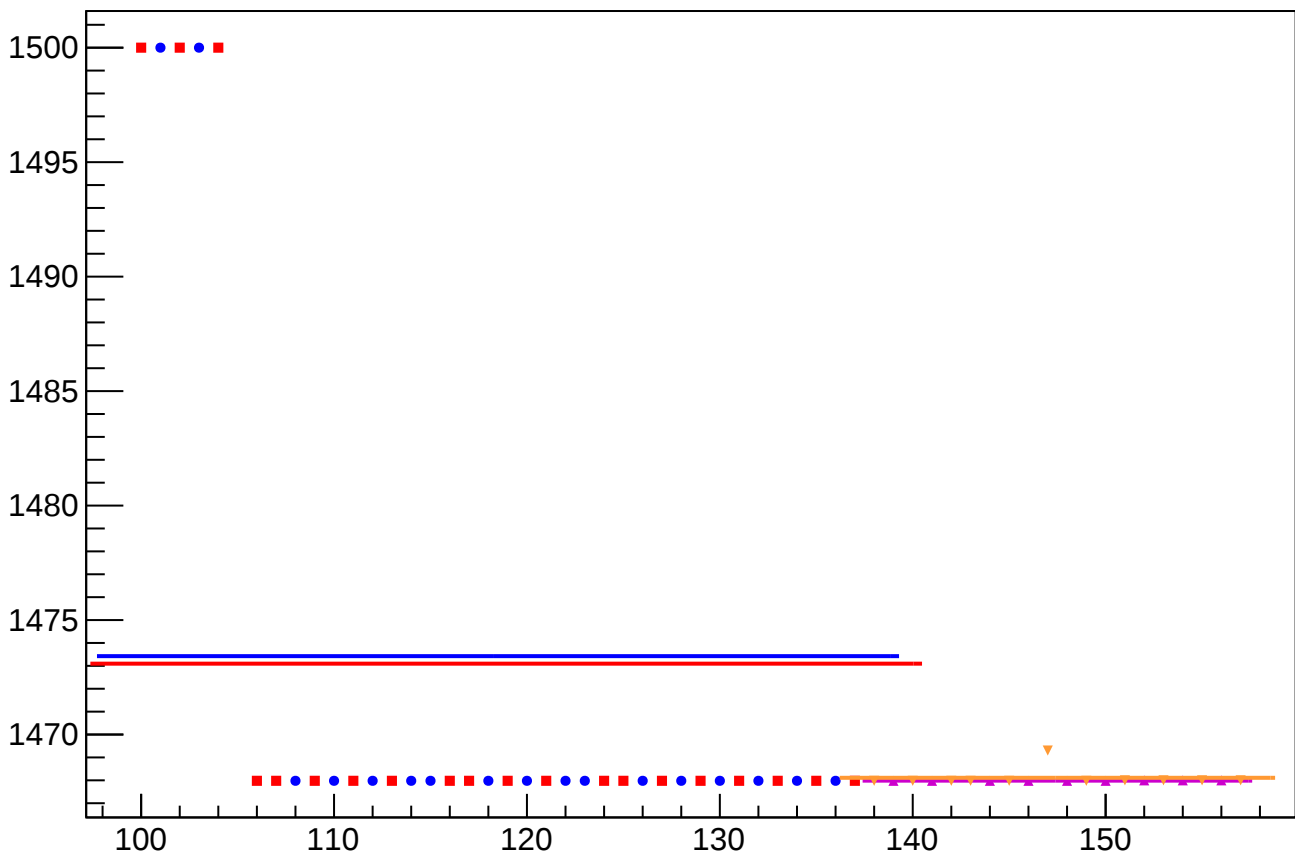
Left In: -29.641+/-0.000 χ^2/NDF :62465.2/8

-29.391+/-0.000 χ^2/NDF : 11432441792292536

-29.389+/-0.000 χ^2/NDF : 226572619508

-29.387+/-0.000 χ^2/NDF : 11224716299392955

epics_psub_pl_poss_mean vs Slug, Sign Corrected



Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1468.110+/-0.000 χ^2/NDF : 122153489690230065868803323985920.0/10

Right Out: 1473.096+/-0.000 χ^2/NDF : 99938310777099611815298348687032320.0/19

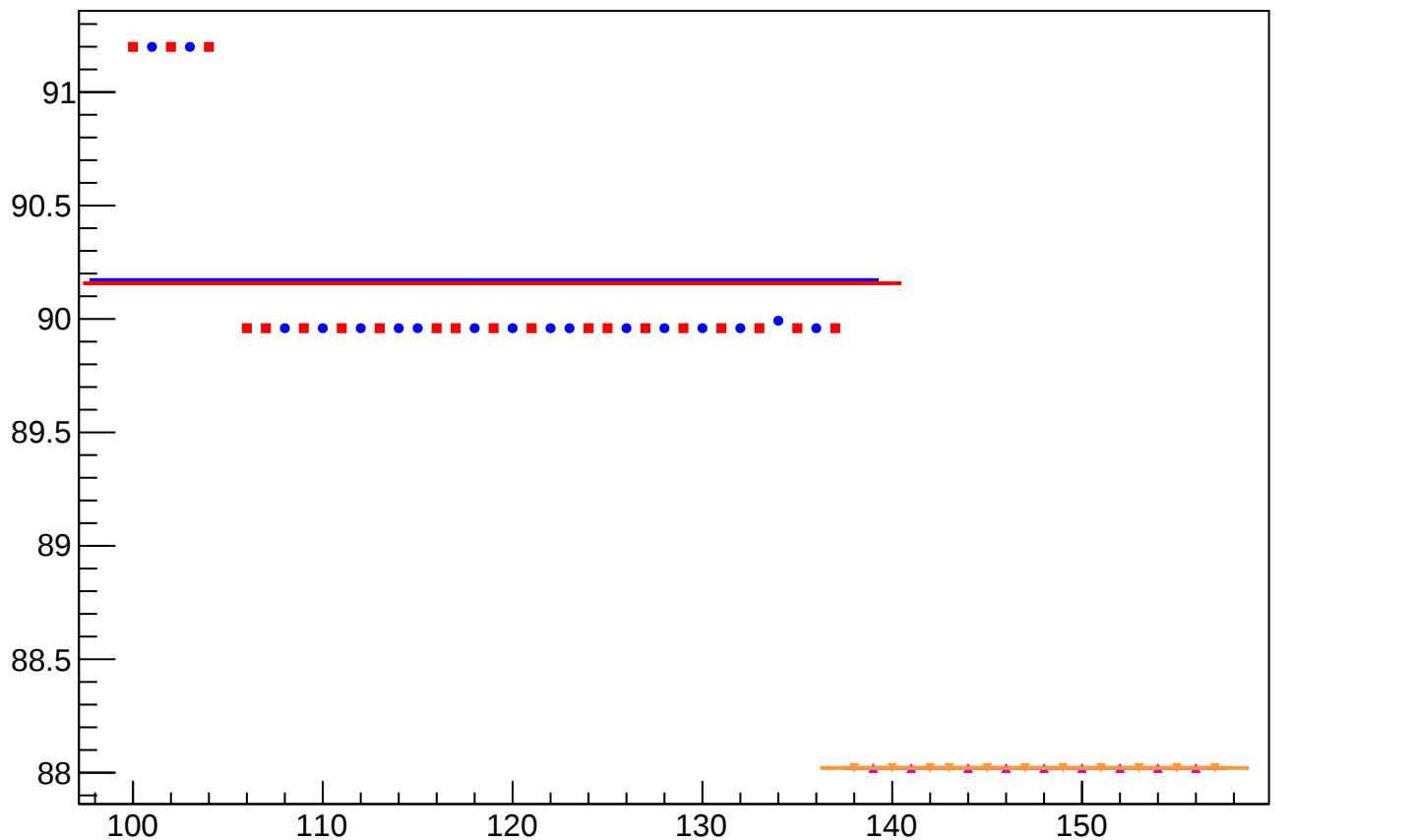
Left In: 1467.986+/-0.000 χ^2/NDF : 67770673691727851640487673856.0/8

1470.519+/-0.000 χ^2/NDF : 1112561651627012

1470.503+/-0.000 χ^2/NDF : 22087061937

1470.487+/-0.000 χ^2/NDF : 1096137111528386

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 : 2908662.7/10

Right Out: 90.157+/-0.000 χ^2/NDF : 149863052341628336344772108091392.0/19

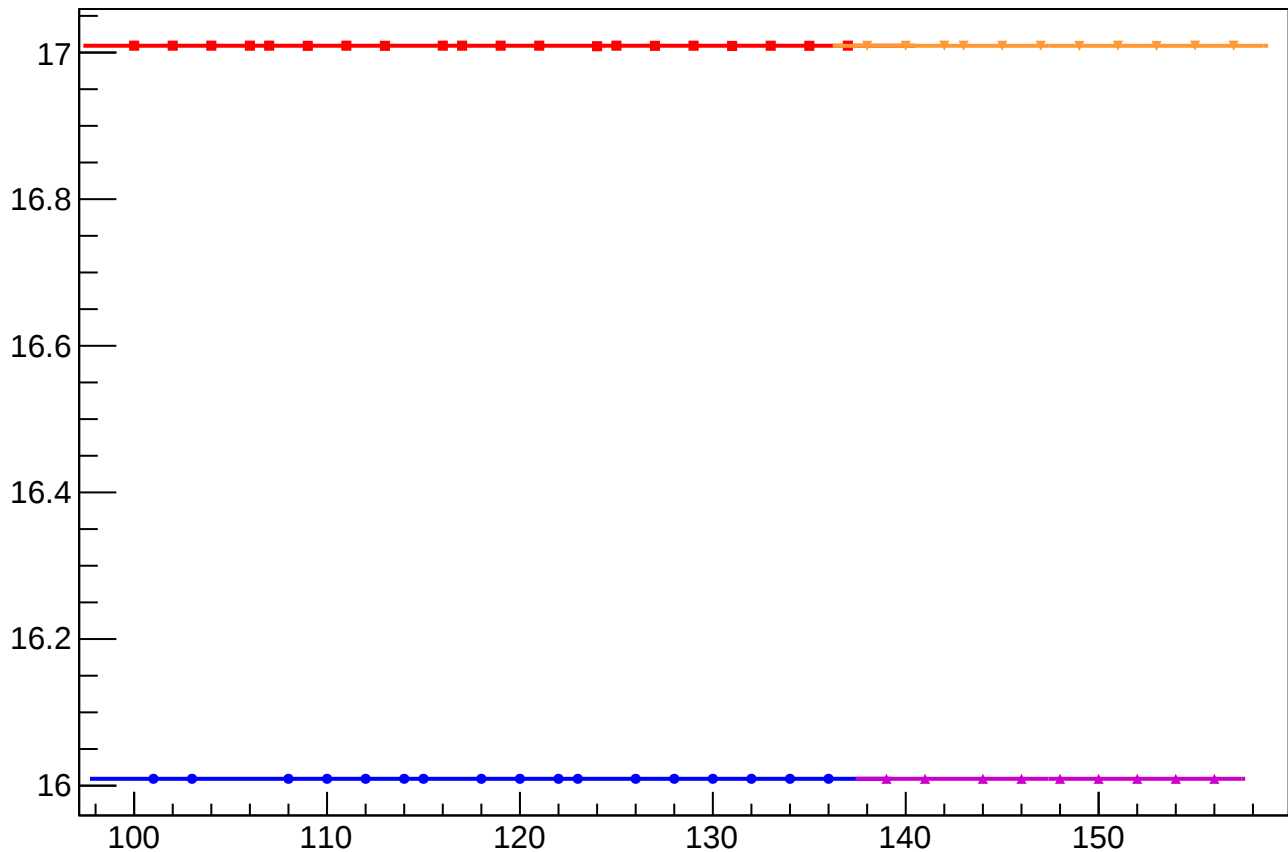
Left In: 88.021+/-0.000 χ^2/NDF : 1300951.5/8

88.995+/-0.000 χ^2/NDF : 190484435698409109

89.031+/-0.000 χ^2/NDF : 3750477749876

89.067+/-0.000 χ^2/NDF : 18418101163065979

epics_IGL1I00DI24_24Ms_mean vs Slug, Sign Corrected



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 44327.7/16

Left Out: 17.009 $\pm$ 0.000 χ^2/NDF : 10172081769806569953820672.0/10

Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 12548783366686740957888512.0/19

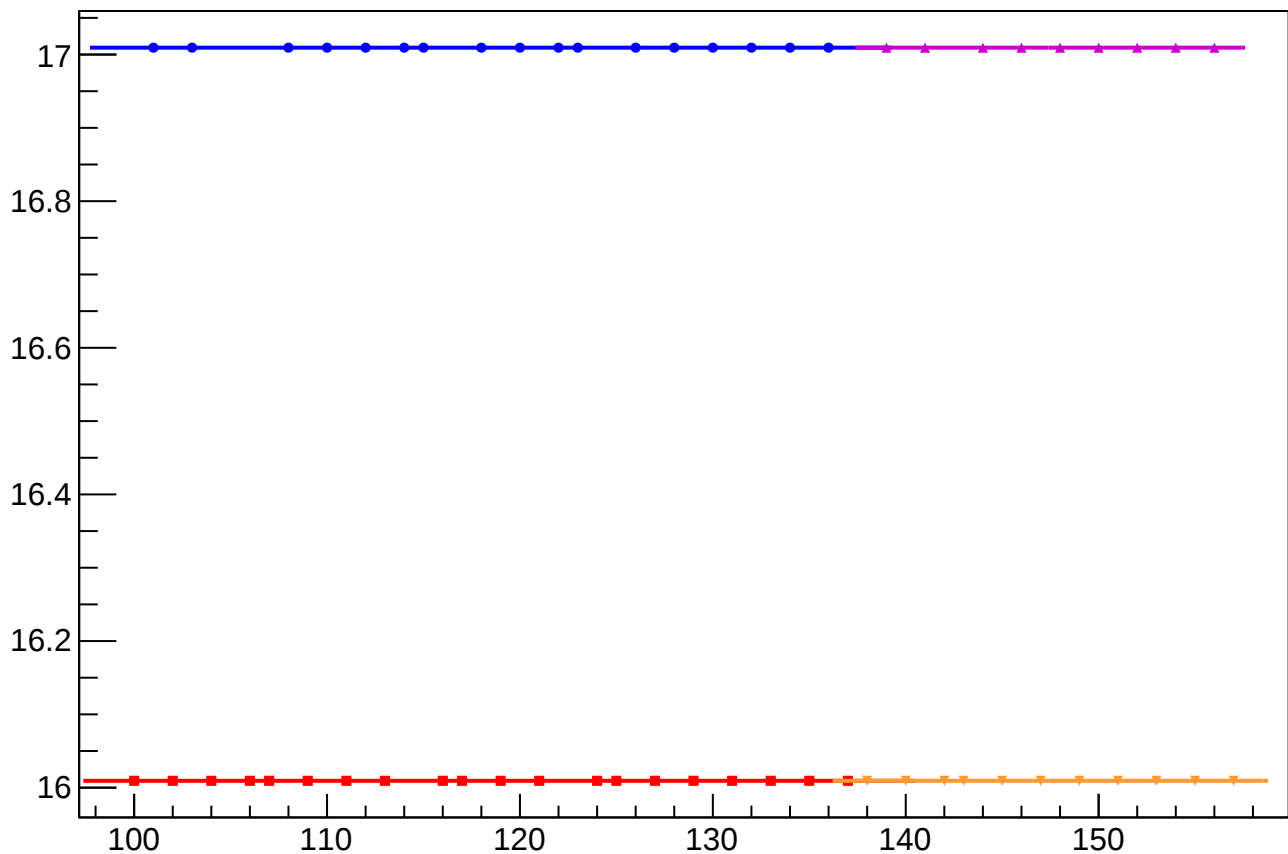
Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 32816.6/8

16.539 $\pm$ 0.000 χ^2/NDF : 35041568604478818

16.513 $\pm$ 0.000 χ^2/NDF : 6960352170957

16.487 $\pm$ 0.000 χ^2/NDF : 343740581385919814

epics_IGL1I00OD16_16s_mean vs Slug, Sign Corrected



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 132629.6/16

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 27932.0/10

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 42750.0/19

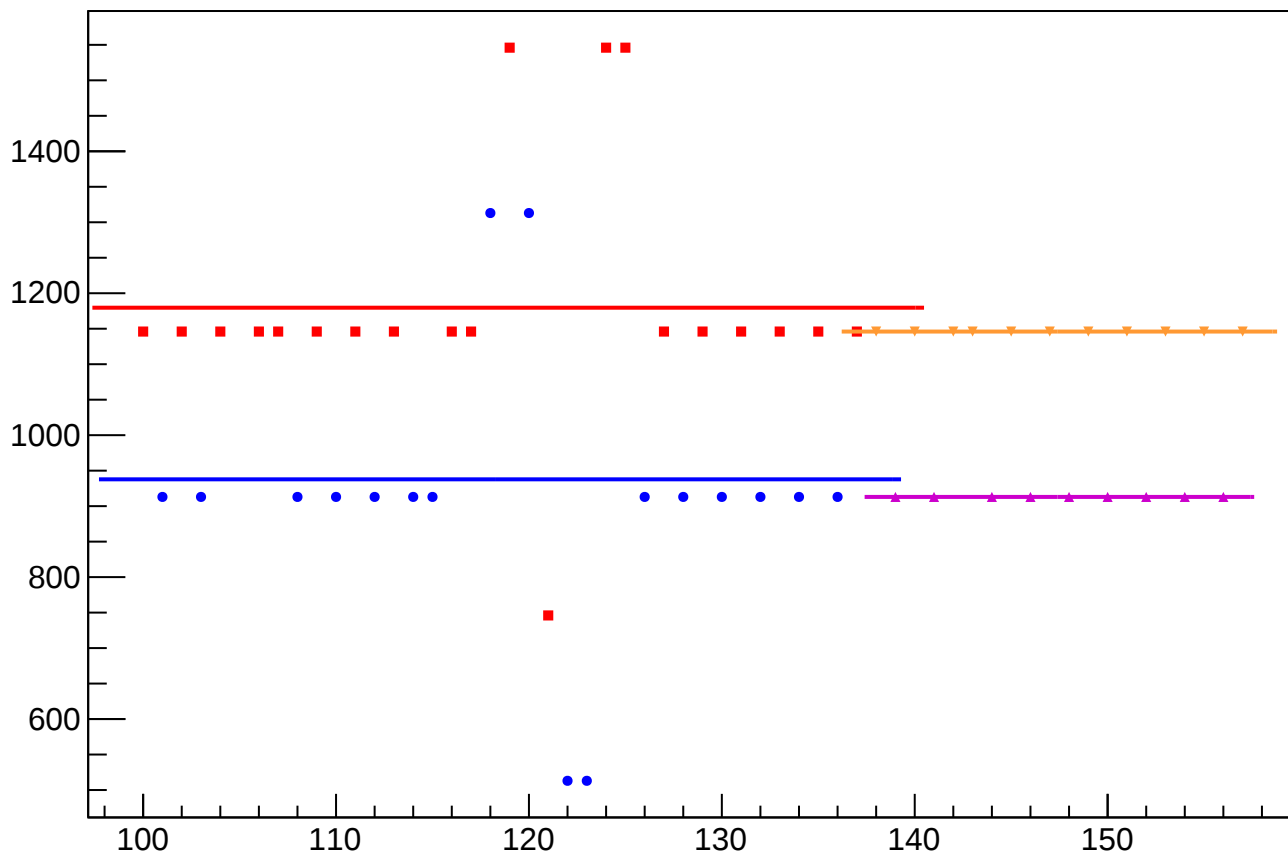
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 23653.2/8

16.453 $\pm$ 0.000 χ^2 /NDF: 36807377598926353

16.488 $\pm$ 0.000 χ^2 /NDF: 7403478260869

16.522 $\pm$ 0.000 χ^2 /NDF: 368755420054167618

epics_RTPAPOSUCNTs_mean vs Slug, Sign Corrected



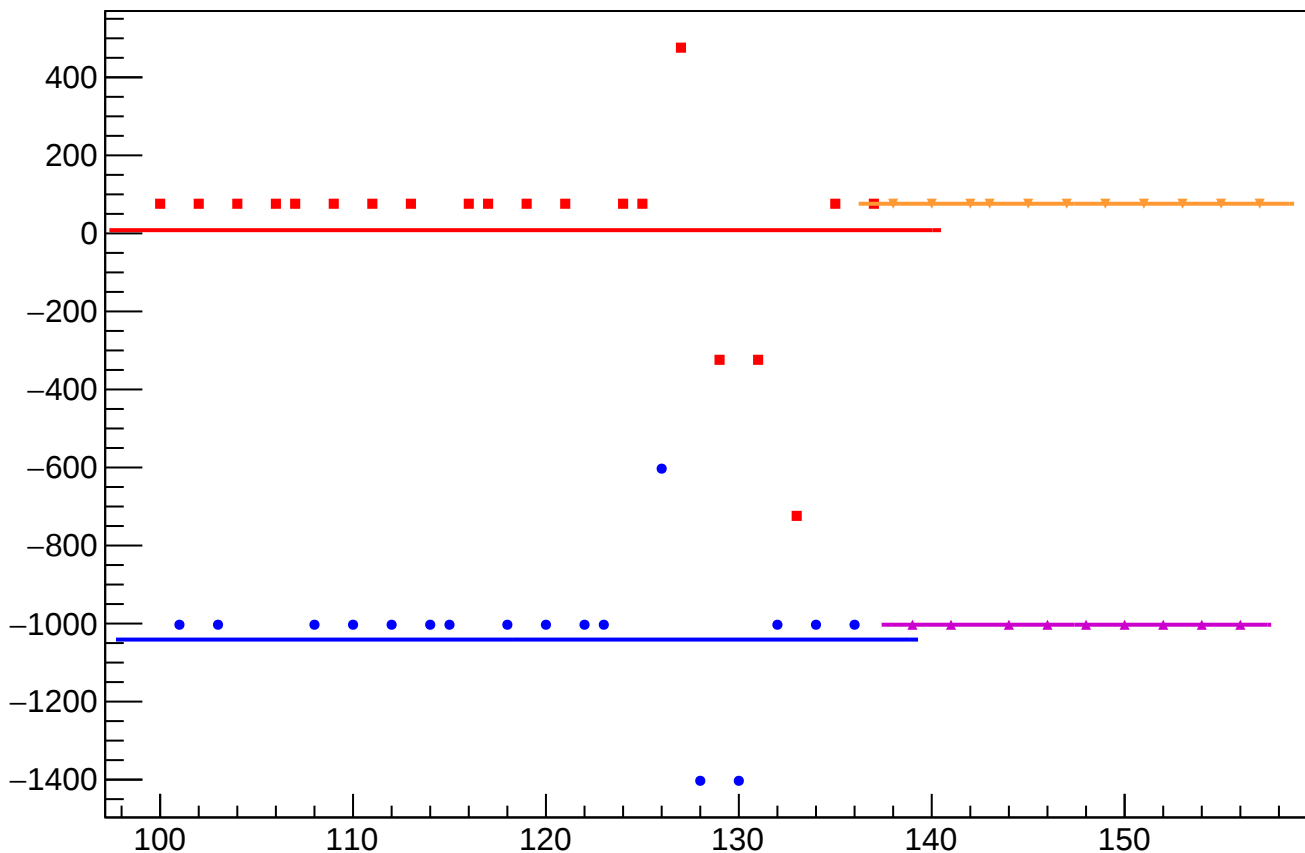
Right In: 937.779 $\pm$ 0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.011 $\pm$ 0.000 χ^2/NDF : 2623352773148546429651779584.0/10

Right Out: 1179.619 $\pm$ 0.000 χ^2/NDF : 21420659731738679306829480097874968576.0/19

Left In: 912.994 $\pm$ 0.000 χ^2/NDF : 9522083881887774169553174528.0/8

epics_RTPAPOSVCNTs_mean vs Slug, Sign Corrected



Right In: -1041.030+/-0.000 χ^2/NDF : 22675401109943882512554797113855180800.0/16

Left Out: 76.010+/-0.000 χ^2/NDF : 3100202528385717249555562496.0/10

Right Out: 8.240+/-0.000 χ^2/NDF : 43865391744972338137265798243810279424.0/19

Left In: -1002.989+/-0.000 χ^2/NDF : 1104767084912962784542588928.0/8