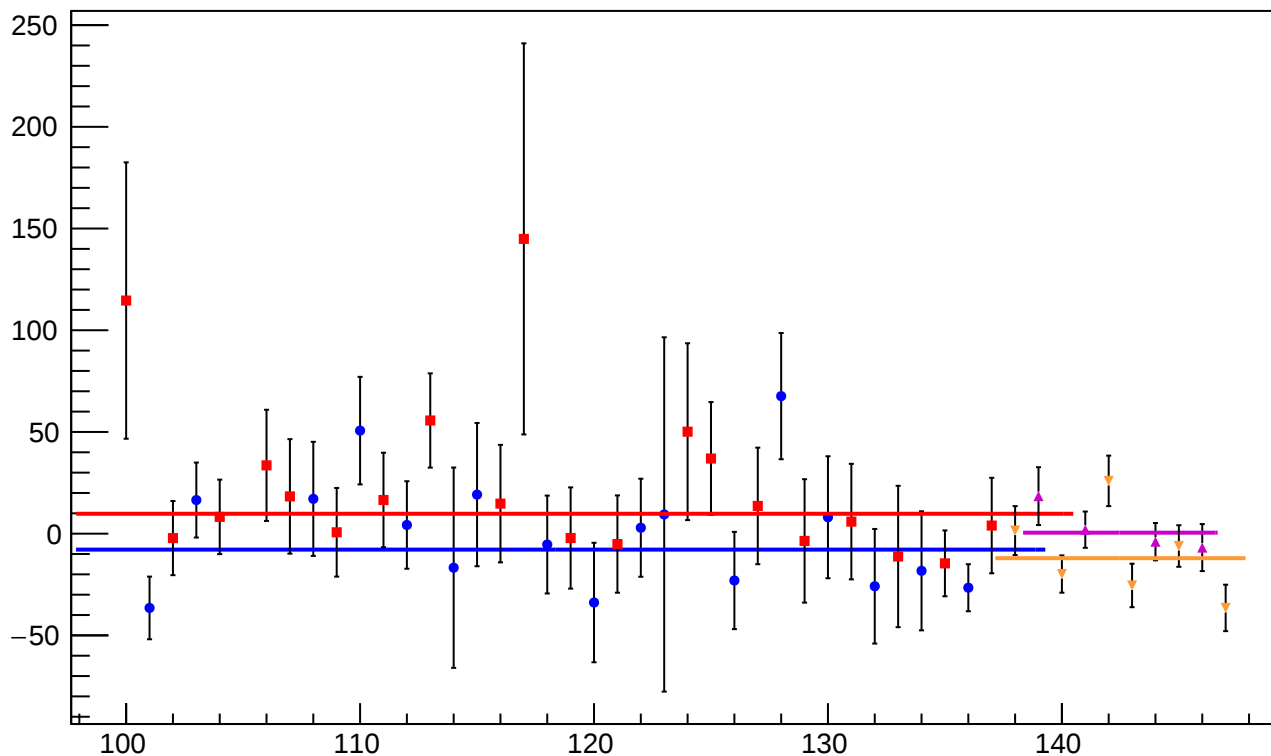


diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.841 ± 5.608

χ^2/NDF : 22.6/16

Left Out: -12.052 ± 4.415

χ^2/NDF : 17.9/5

Right Out: 9.781 ± 5.667

χ^2/NDF : 15.2/19

Left In: 0.487 ± 5.208

χ^2/NDF : 2.3/3

-10.441 ± 3.469

χ^2/NDF : 40.9/22

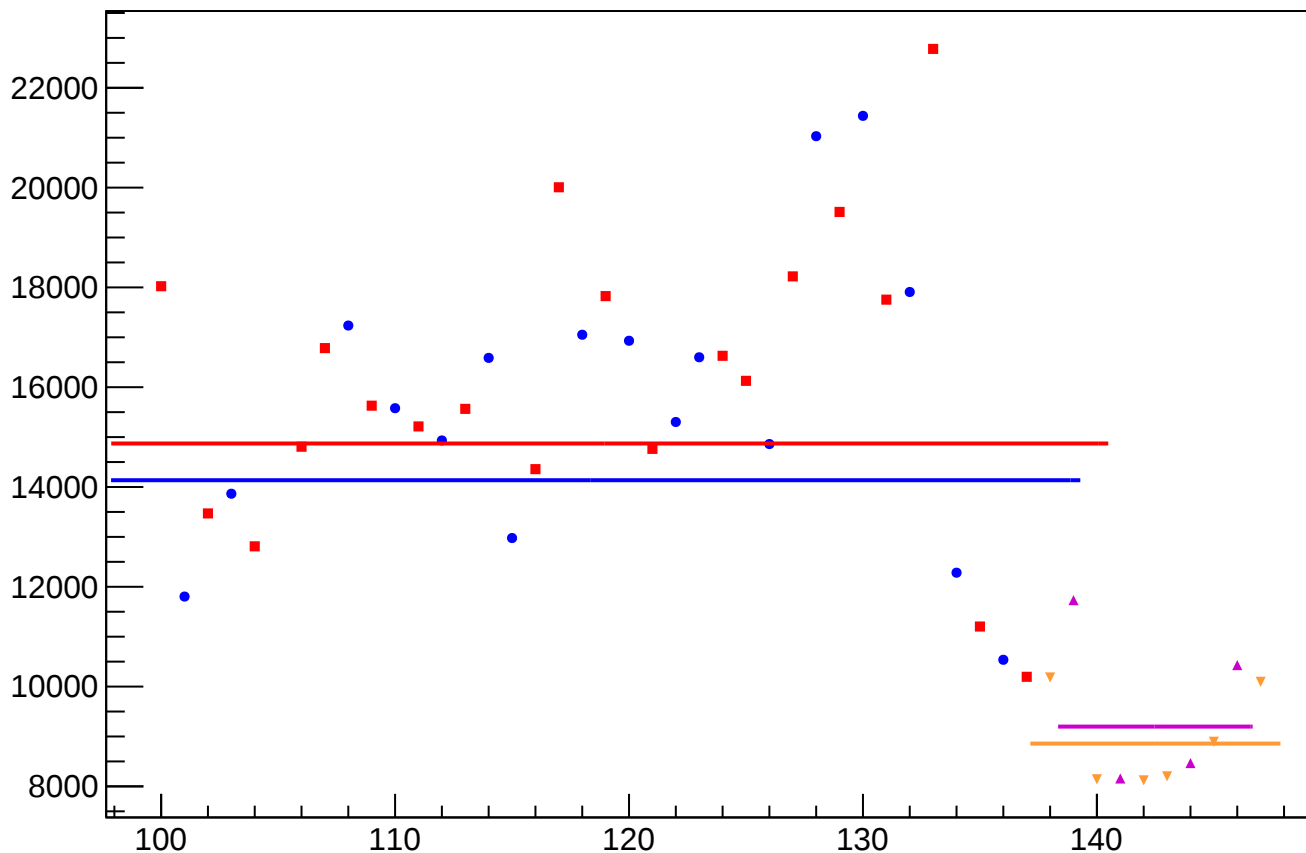
-3.608 ± 2.573

χ^2/NDF : 68.4/46

4.742 ± 3.835

χ^2/NDF : 18.9/23

diff_bpm4aX_rms vs Slug, Sign Corrected



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

Left Out: 8857.521 $\pm$ 3.122 χ^2/NDF : 74657.6/5

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

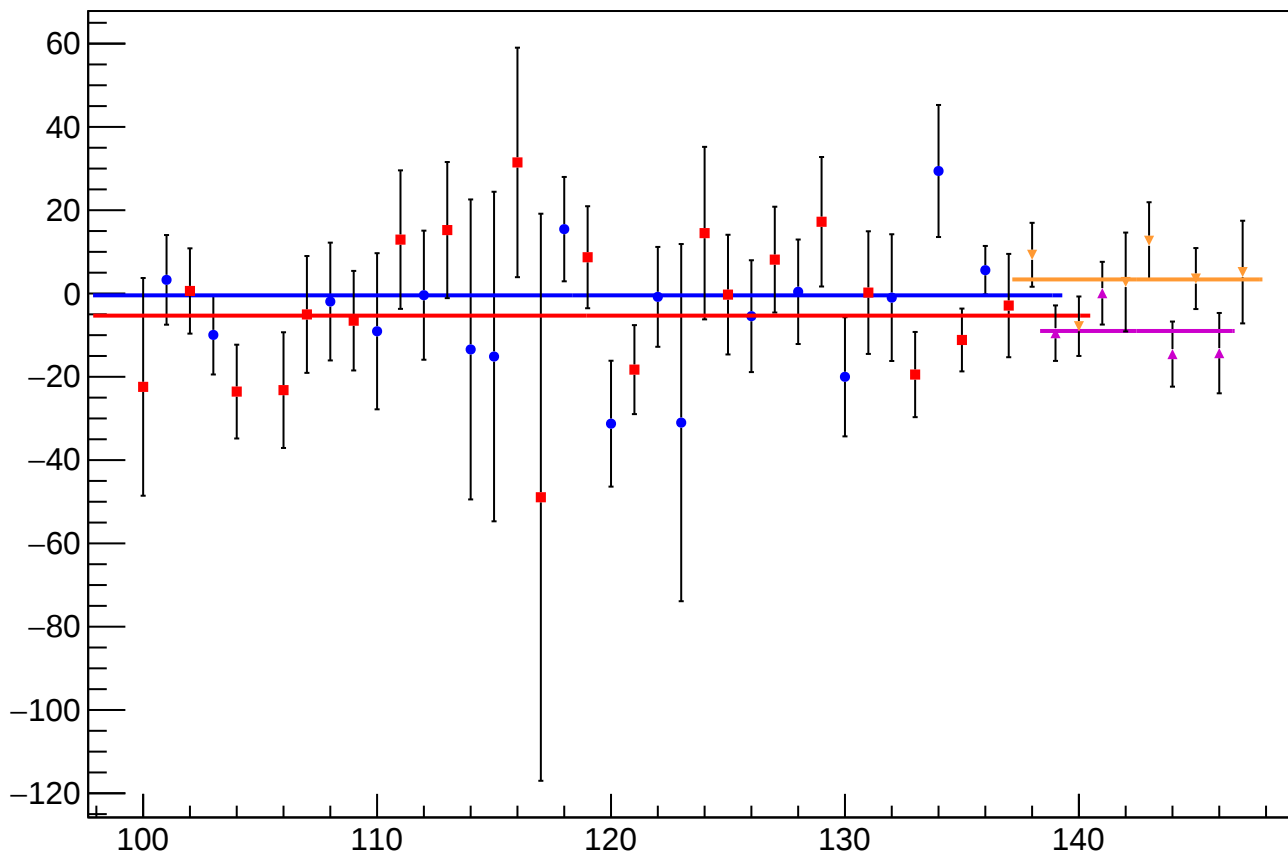
Left In: 9197.953 $\pm$ 3.683 χ^2/NDF : 126087.2/3

10877.003 $\pm$ 2.453 χ^2/NDF : 1765577.5/22

11290.512 $\pm$ 1.819 χ^2/NDF : 3519385.5/4

11795.822 $\pm$ 2.712 χ^2/NDF : 1690664.2/23

diff_bpm4aY_mean vs Slug, Sign Corrected



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

Left Out: 3.380 ± 3.522 $\chi^2/\text{NDF}: 4.1/5$

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

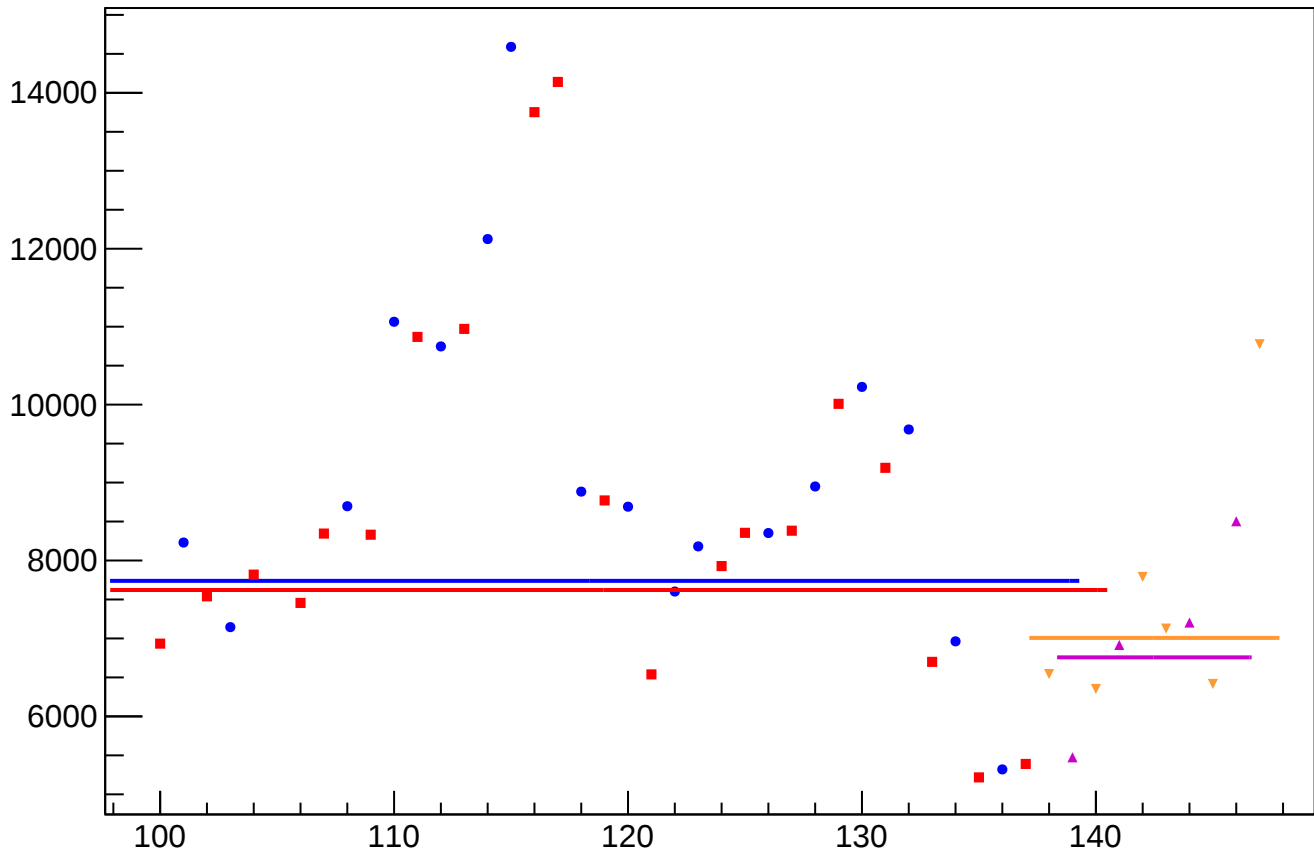
Left In: -8.996 ± 3.855 $\chi^2/\text{NDF}: 2.3/3$

1.209 ± 2.315 $\chi^2/\text{NDF}: 19.3/22$

-2.693 ± 1.644 $\chi^2/\text{NDF}: 47.6/46$

-6.662 ± 2.334 $\chi^2/\text{NDF}: 22.6/23$

diff_bpm4aY_rms vs Slug, Sign Corrected



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

Left Out: 7007.096 $\pm$ 2.490 χ^2 /NDF: 233061.5/5

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

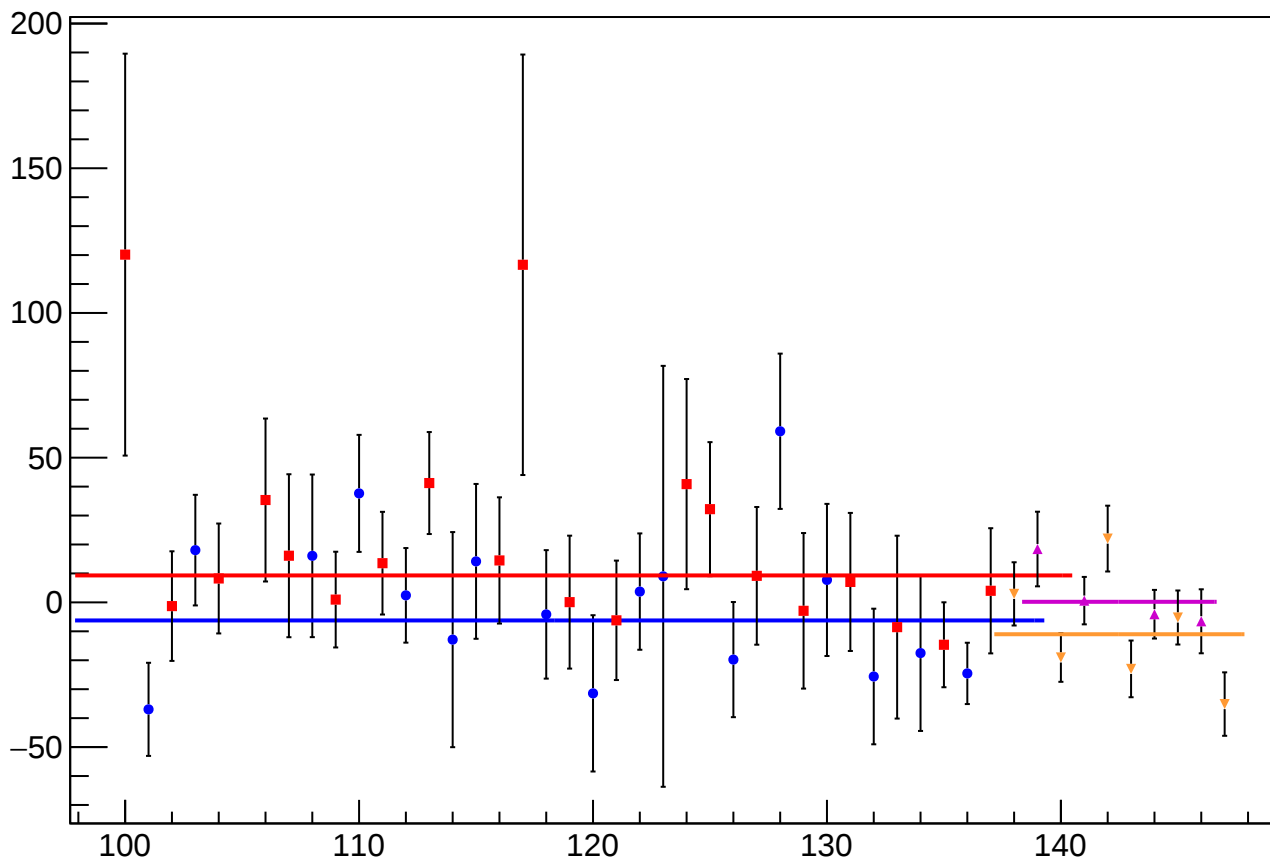
Left In: 6757.327 $\pm$ 2.726 χ^2 /NDF: 147074.9/3

7422.822 $\pm$ 1.637 χ^2 /NDF: 1022946.1/22

7364.298 $\pm$ 1.162 χ^2 /NDF: 1933819.5/46

7304.778 $\pm$ 1.651 χ^2 /NDF: 908294.6/23

diff_bpm4eX_mean vs Slug, Sign Corrected



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

Left Out: -11.009 ± 4.068 χ^2/NDF : 17.7/5

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

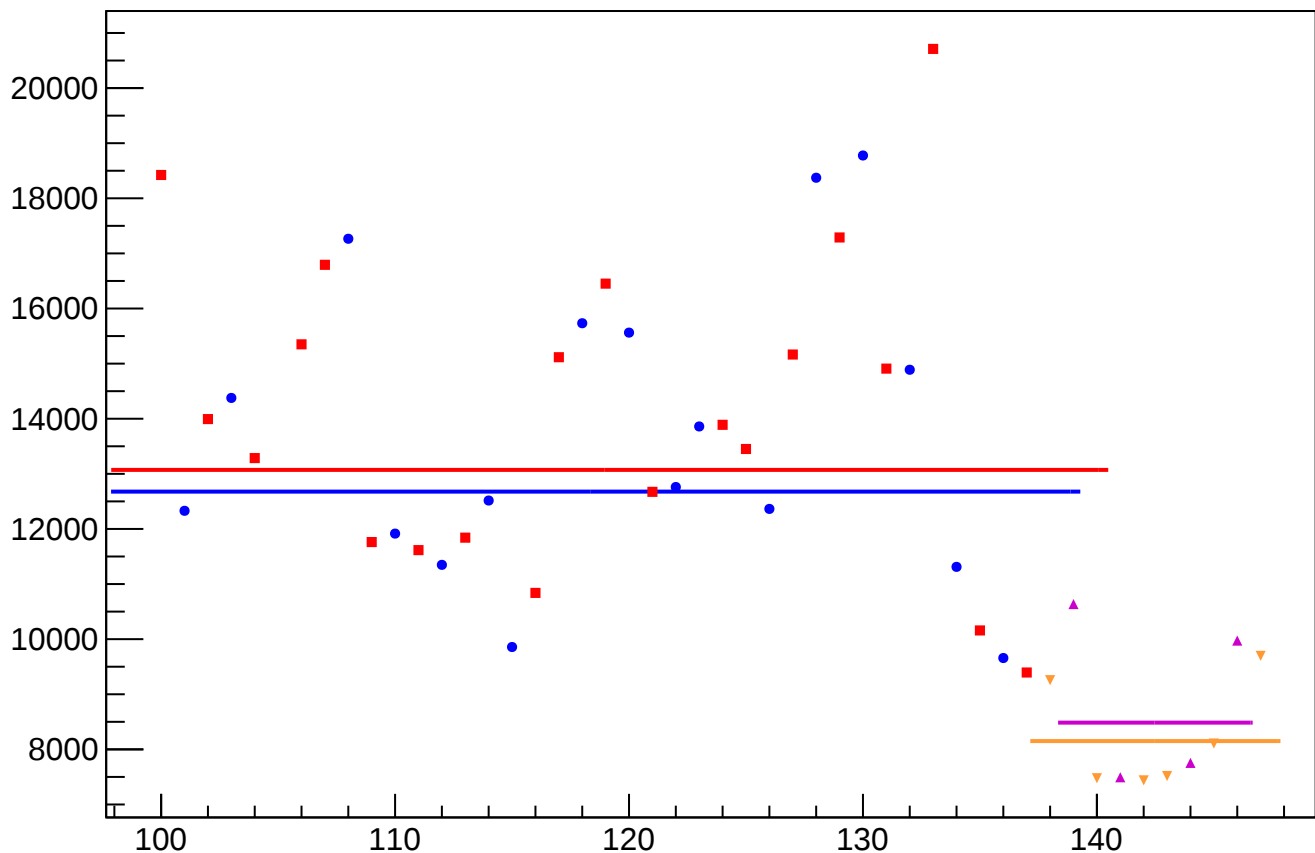
Left In: 0.195 ± 4.808 χ^2/NDF : 2.6/3

-9.119 ± 3.160 χ^2/NDF : 41.4/22

-2.890 ± 2.334 χ^2/NDF : 69.7/46

4.586 ± 3.462 χ^2/NDF : 19.7/23

diff_bpm4eX_rms vs Slug, Sign Corrected



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

Left Out: 8150.790+/-2.876 χ^2/NDF : 89389.0/5

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

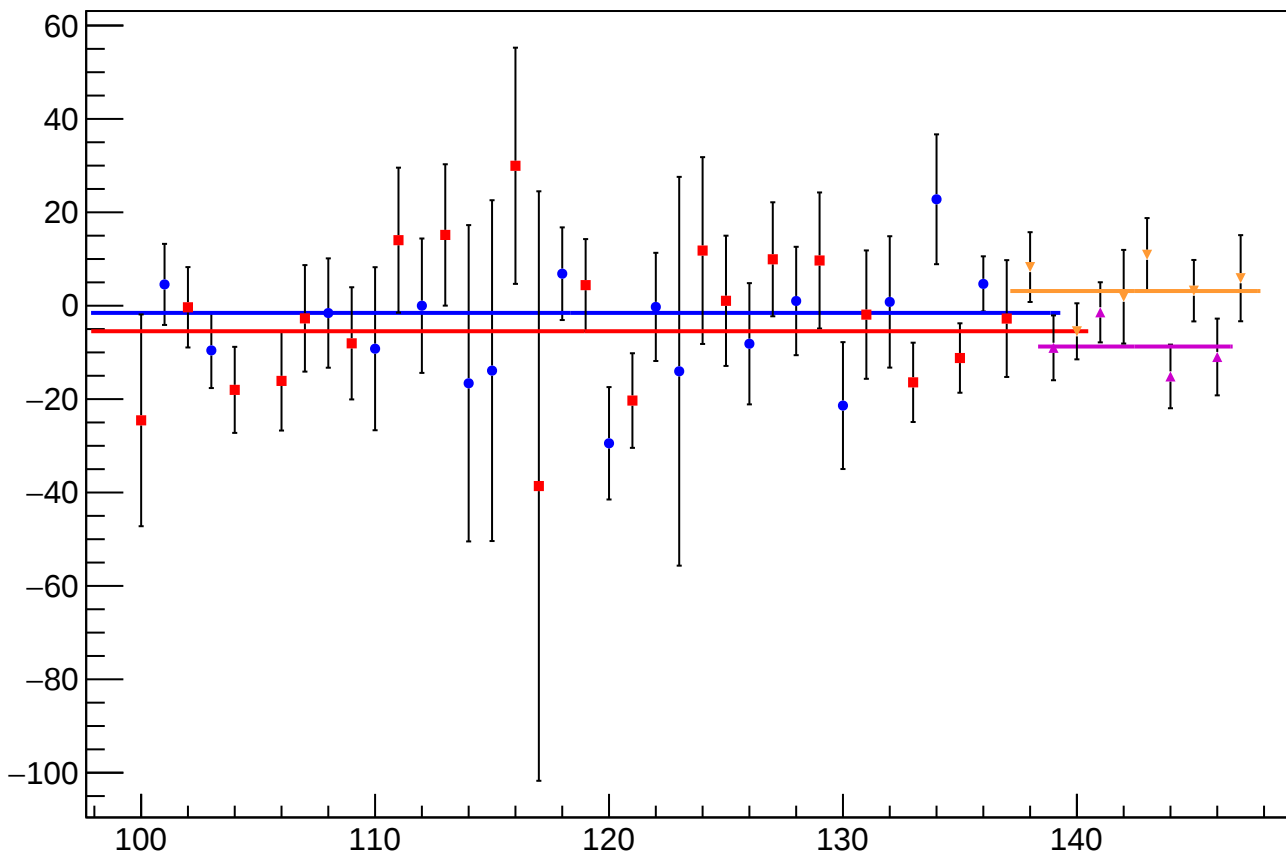
Left In: 8485.469+/-3.400 χ^2/NDF : 136326.7/3

9946.110+/-2.234 χ^2/NDF : 1625312.0/22

10286.339+/-1.650 χ^2/NDF : 3188081.7/4

10694.686+/-2.448 χ^2/NDF : 1511750.7/23

diff_bpm4eY_mean vs Slug, Sign Corrected



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

Left Out: 3.144+/-3.062 χ^2/NDF : 3.6/5

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

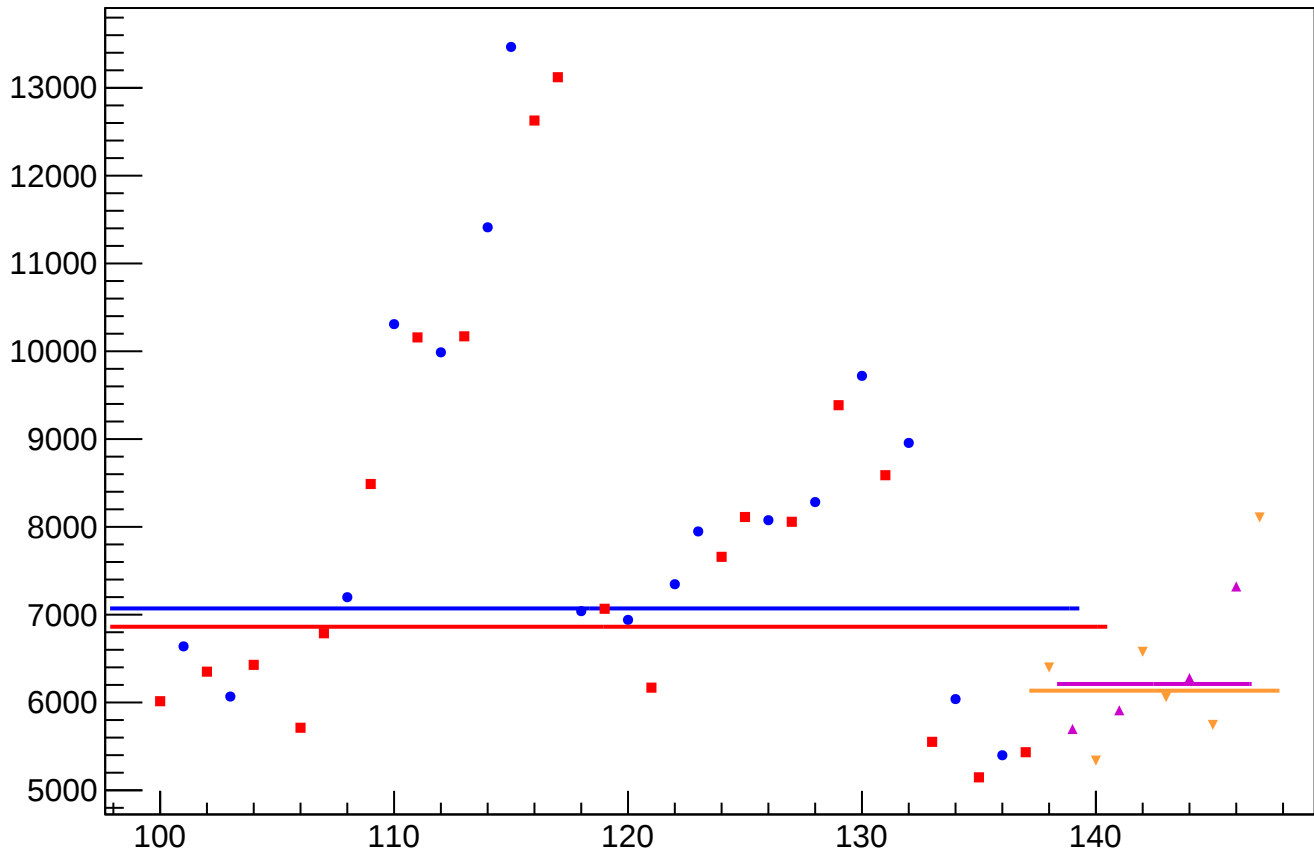
Left In: -8.740+/-3.508 χ^2/NDF : 2.3/3

0.587+/-2.062 χ^2/NDF : 19.7/22

-2.950+/-1.474 χ^2/NDF : 47.4/46

-6.646+/-2.108 χ^2/NDF : 21.7/23

diff_bpm4eY_rms vs Slug, Sign Corrected



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

Left Out: 6134.381+/-2.165 χ^2/NDF : 140393.5/5

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

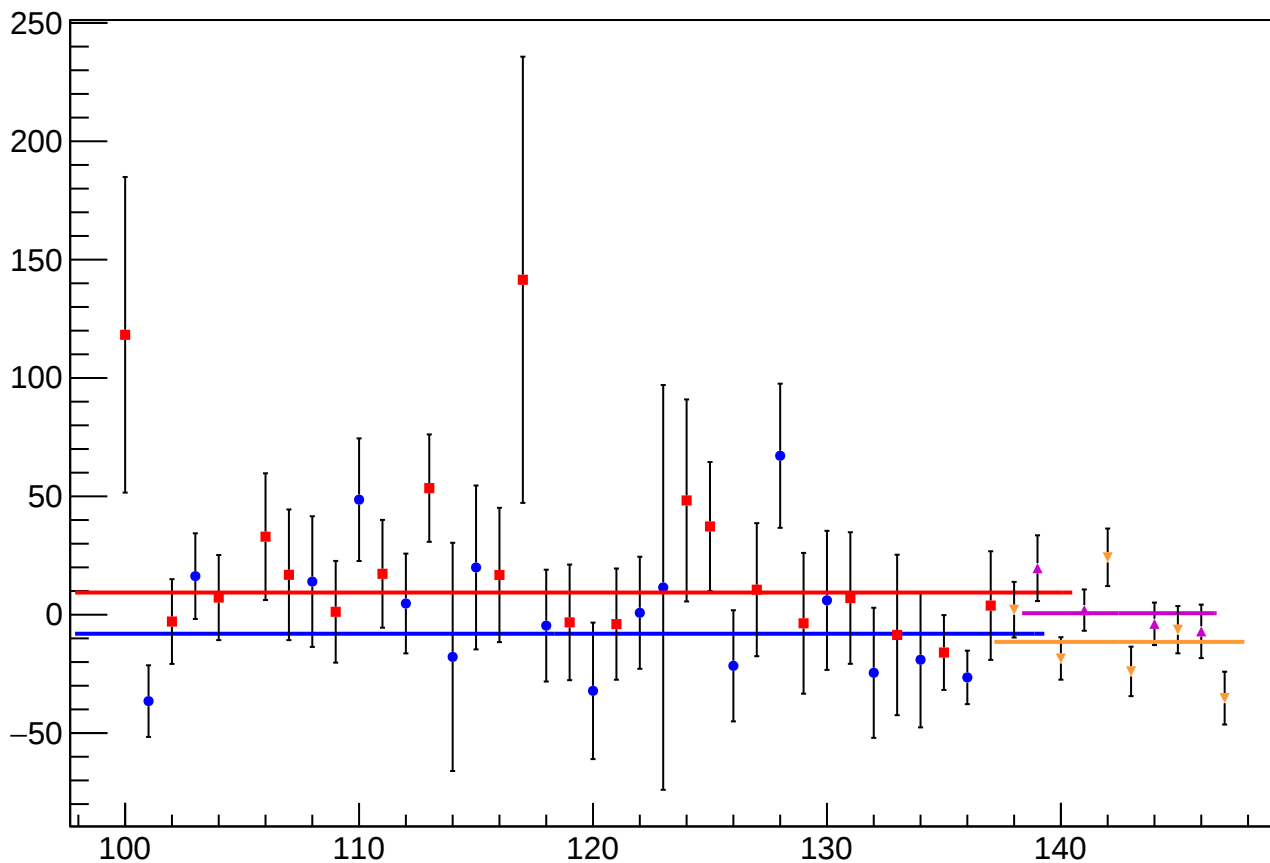
Left In: 6210.845+/-2.481 χ^2/NDF : 51965.9/3

6646.038+/-1.458 χ^2/NDF : 843395.9/22

6636.850+/-1.042 χ^2/NDF : 1643636.4/46

6627.250+/-1.491 χ^2/NDF : 800159.3/23

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -8.036 ± 5.497 χ^2/NDF : 22.6/16

Left Out: -11.471 ± 4.318 χ^2/NDF : 16.8/5

Right Out: 9.368 ± 5.556 χ^2/NDF : 15.7/19

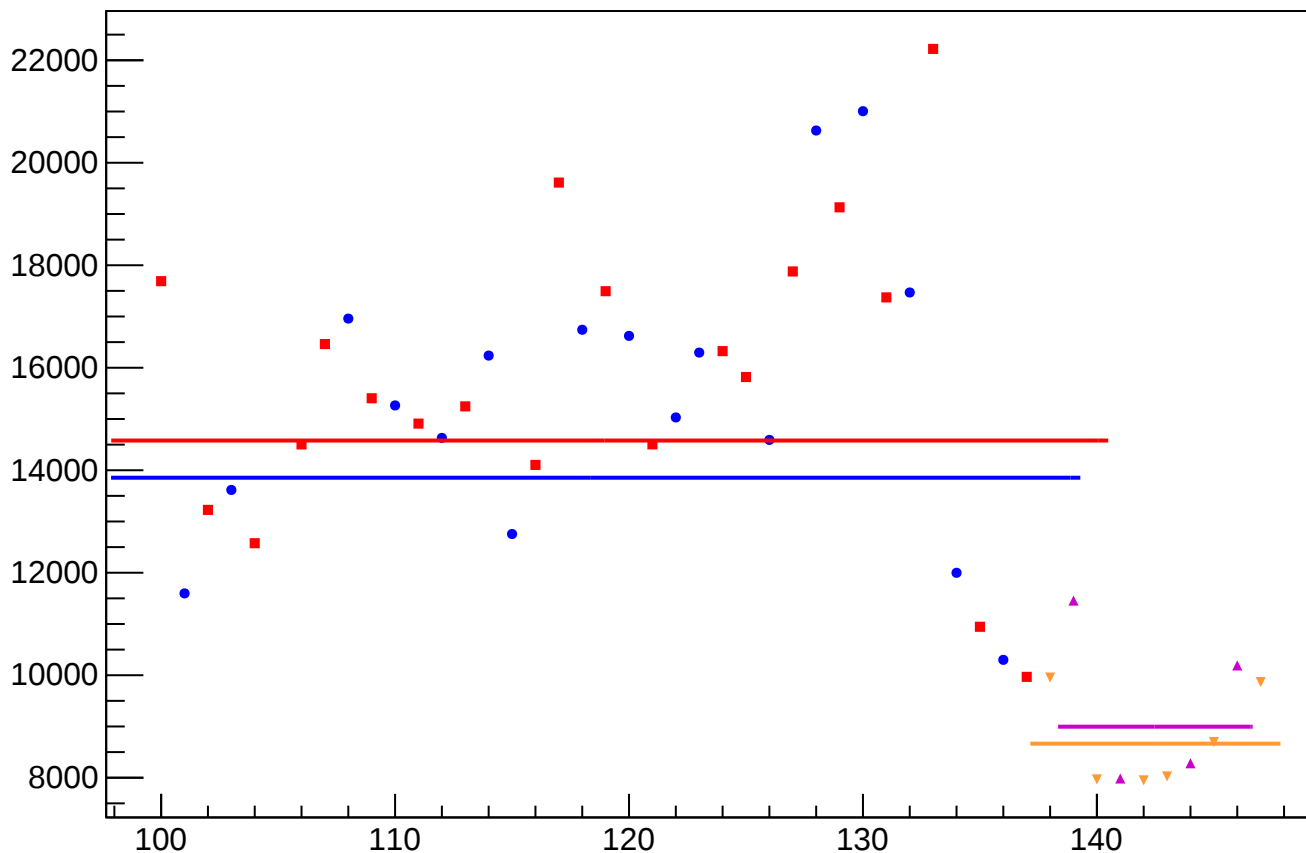
Left In: 0.636 ± 5.093 χ^2/NDF : 2.6/3

-10.160 ± 3.396 χ^2/NDF : 39.6/22

-3.508 ± 2.518 χ^2/NDF : 67.8/46

4.623 ± 3.754 χ^2/NDF : 19.6/23

diff_bpm4acX_rms vs Slug, Sign Corrected



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

Left Out: 8664.276+/-3.053 χ^2/NDF : 73859.4/5

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

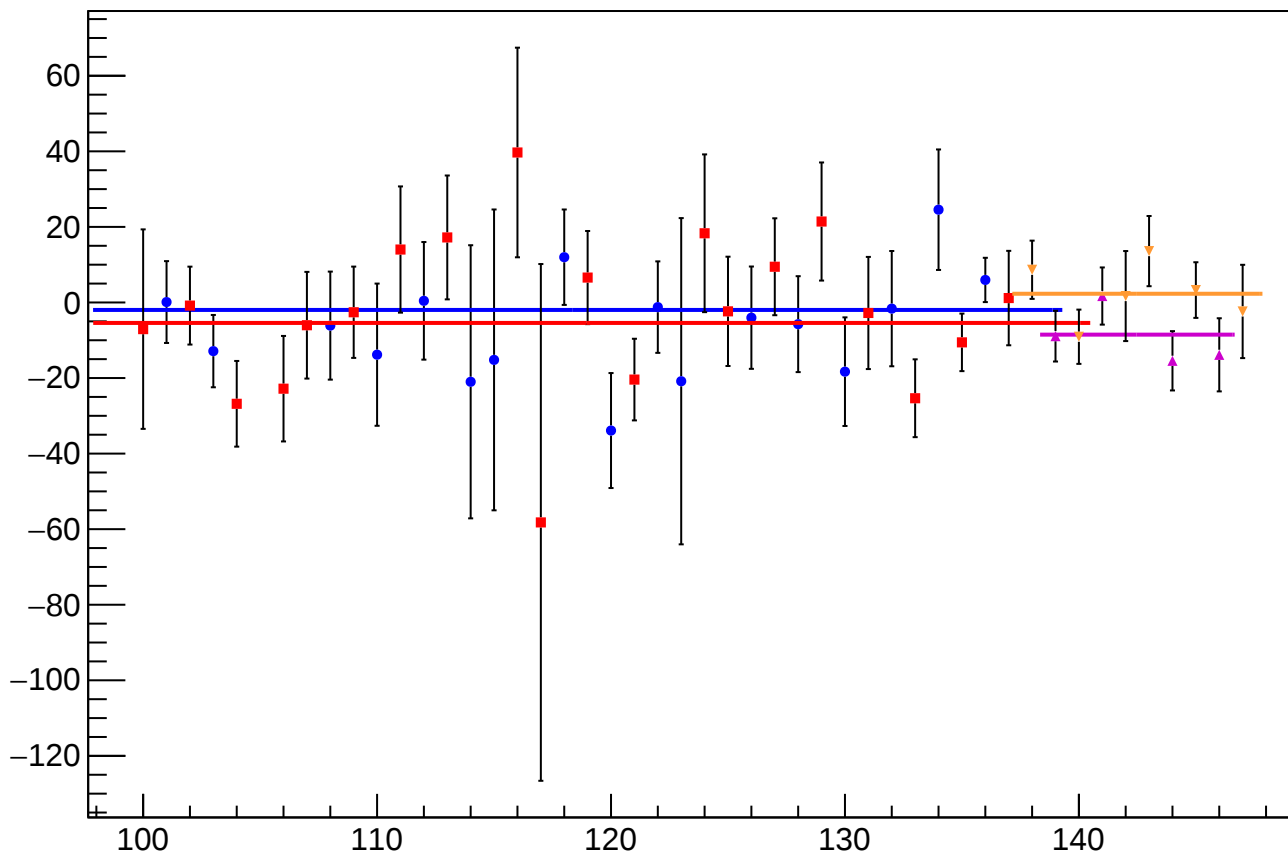
Left In: 8995.857+/-3.601 χ^2/NDF : 124635.8/3

10644.528+/-2.401 χ^2/NDF : 1777214.4/22

11049.820+/-1.781 χ^2/NDF : 3542856.1/4

11545.254+/-2.655 χ^2/NDF : 1702325.3/23

diff_bpm4acY_mean vs Slug, Sign Corrected



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

Left Out: 2.306 $\pm$ 3.538 χ^2/NDF : 4.8/5

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

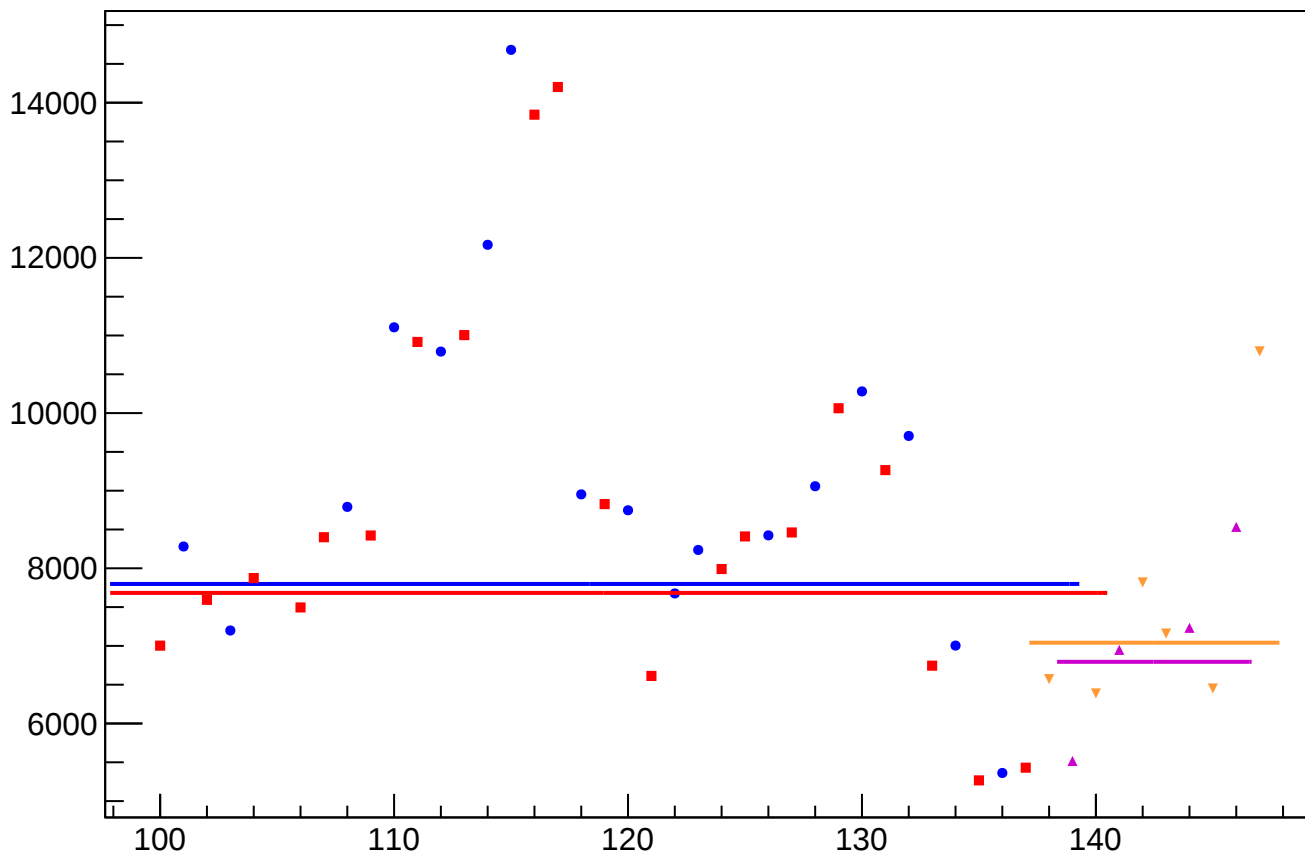
Left In: -8.515 $\pm$ 3.875 χ^2/NDF : 2.9/3

-0.122 $\pm$ 2.329 χ^2/NDF : 19.7/22

-3.310 $\pm$ 1.654 χ^2/NDF : 51.7/46

-6.556 $\pm$ 2.350 χ^2/NDF : 28.2/23

diff_bpm4acY_rms vs Slug, Sign Corrected



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

Left Out: 7041.202 $\pm$ 2.502 χ^2/NDF : 230593.9/5

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

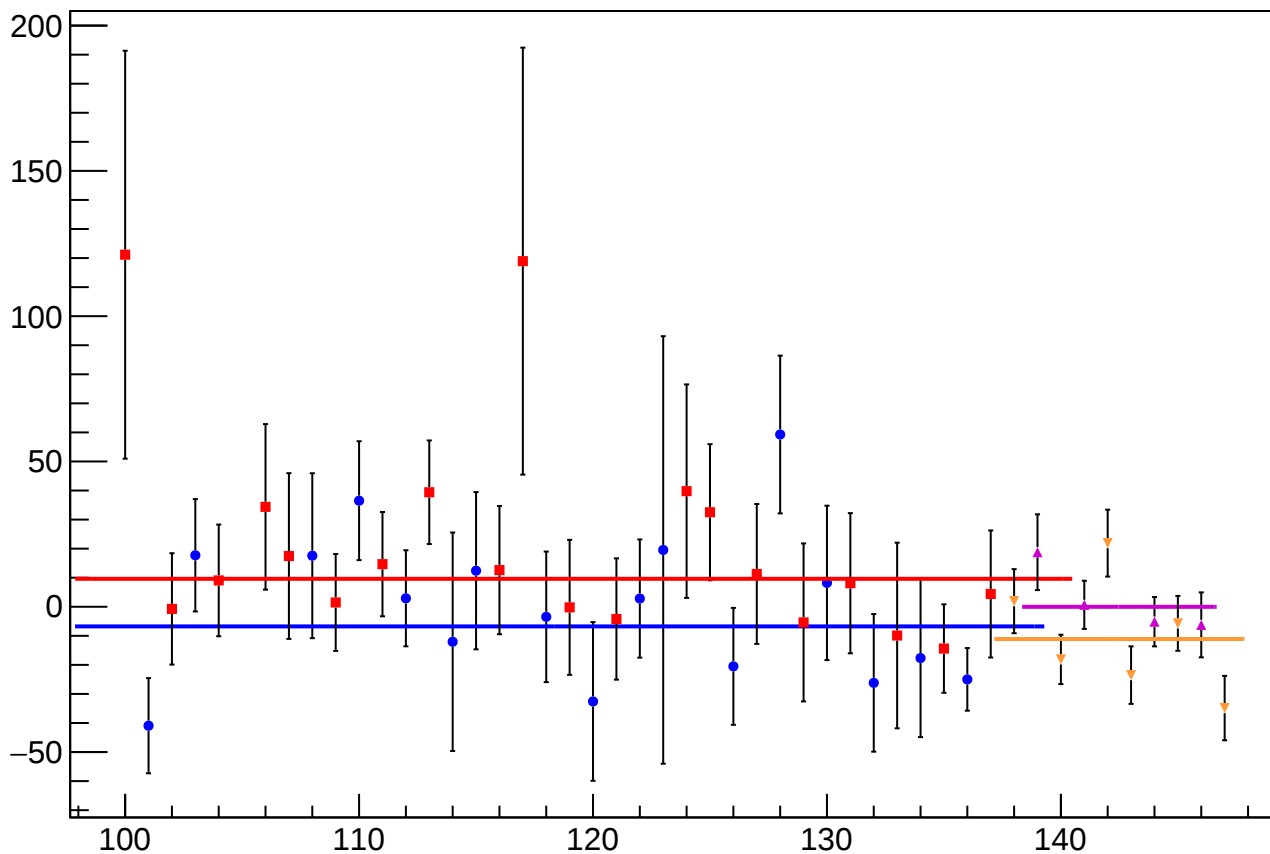
Left In: 6794.865 $\pm$ 2.740 χ^2/NDF : 144142.1/3

7470.240 $\pm$ 1.647 χ^2/NDF : 1018762.9/22

7413.744 $\pm$ 1.170 χ^2/NDF : 1922561.2/46

7356.223 $\pm$ 1.662 χ^2/NDF : 901423.6/23

diff_bpm4ecX_mean vs Slug, Sign Corrected



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

Left Out: -11.103 ± 4.111 χ^2/NDF : 16.8/5

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

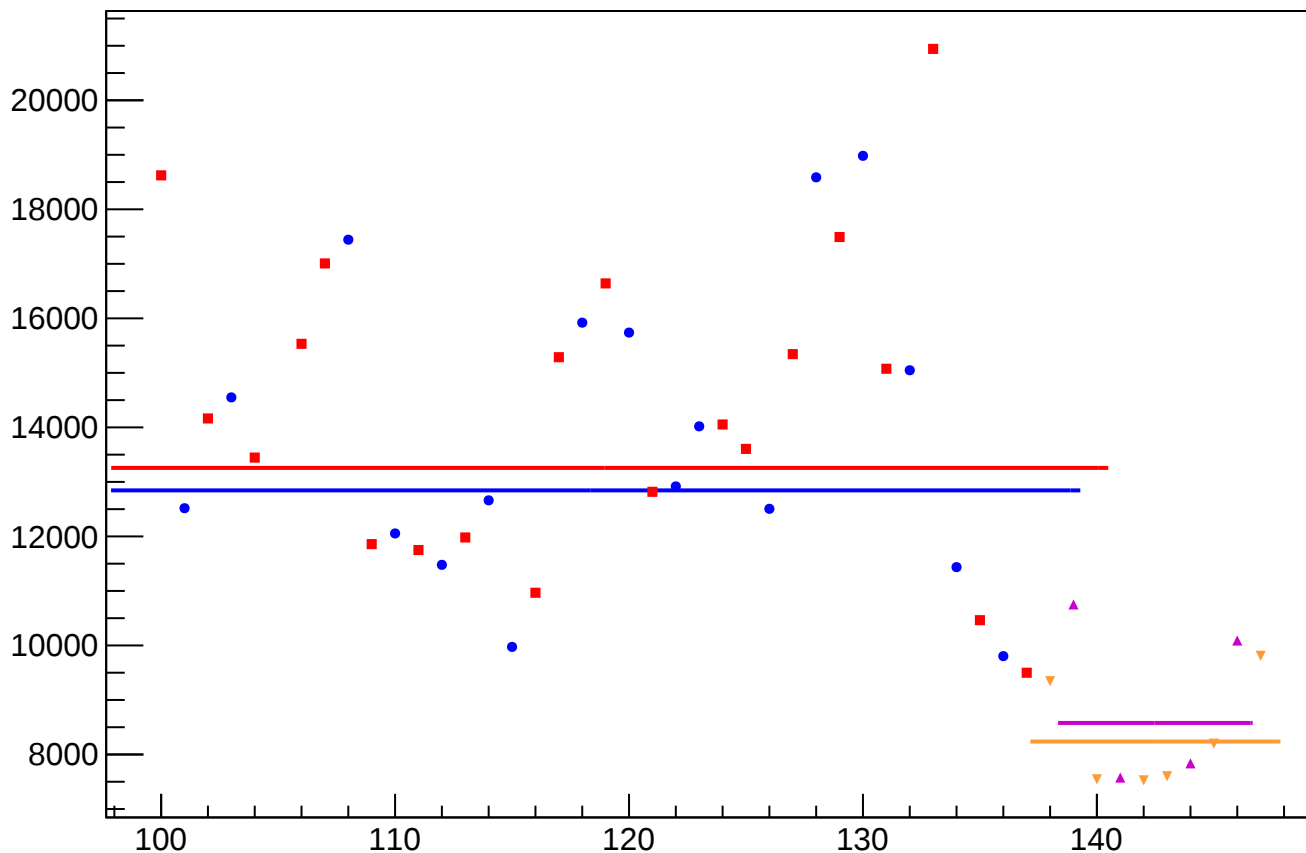
Left In: -0.017 ± 4.861 χ^2/NDF : 2.8/3

-9.386 ± 3.197 χ^2/NDF : 40.9/22

-3.030 ± 2.362 χ^2/NDF : 68.7/46

4.611 ± 3.505 χ^2/NDF : 19.1/23

diff_bpm4ecX_rms vs Slug, Sign Corrected



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

Left Out: 8237.454 $\pm$ 2.907 χ^2 /NDF: 89587.5/5

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

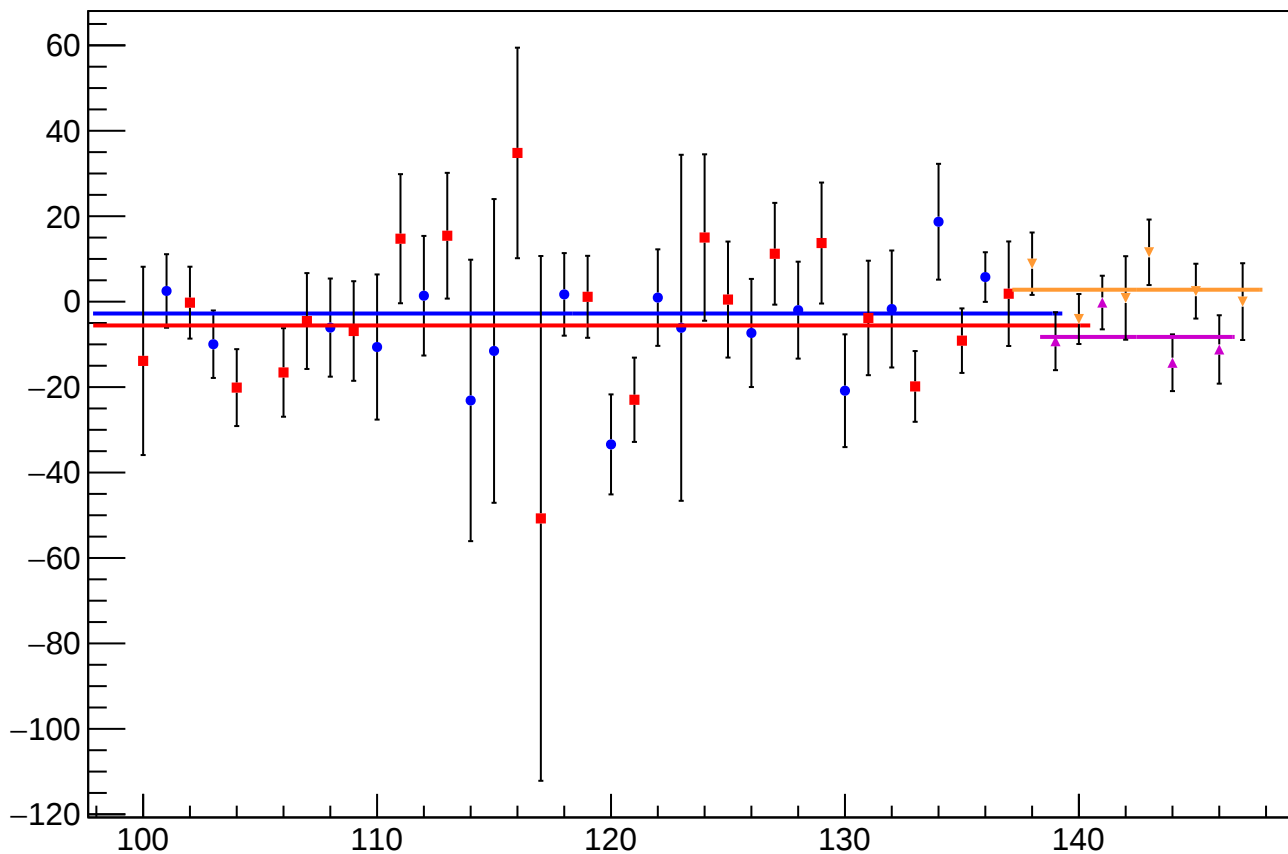
Left In: 8578.517 $\pm$ 3.437 χ^2 /NDF: 136681.2/3

10058.540 $\pm$ 2.261 χ^2 /NDF: 1629637.3/22

10406.493 $\pm$ 1.670 χ^2 /NDF: 3194889.8/4

10824.765 $\pm$ 2.478 χ^2 /NDF: 1513078.6/23

diff_bpm4ecY_mean vs Slug, Sign Corrected



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

Left Out: 2.795 $\pm$ 2.987 χ^2/NDF : 3.5/5

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

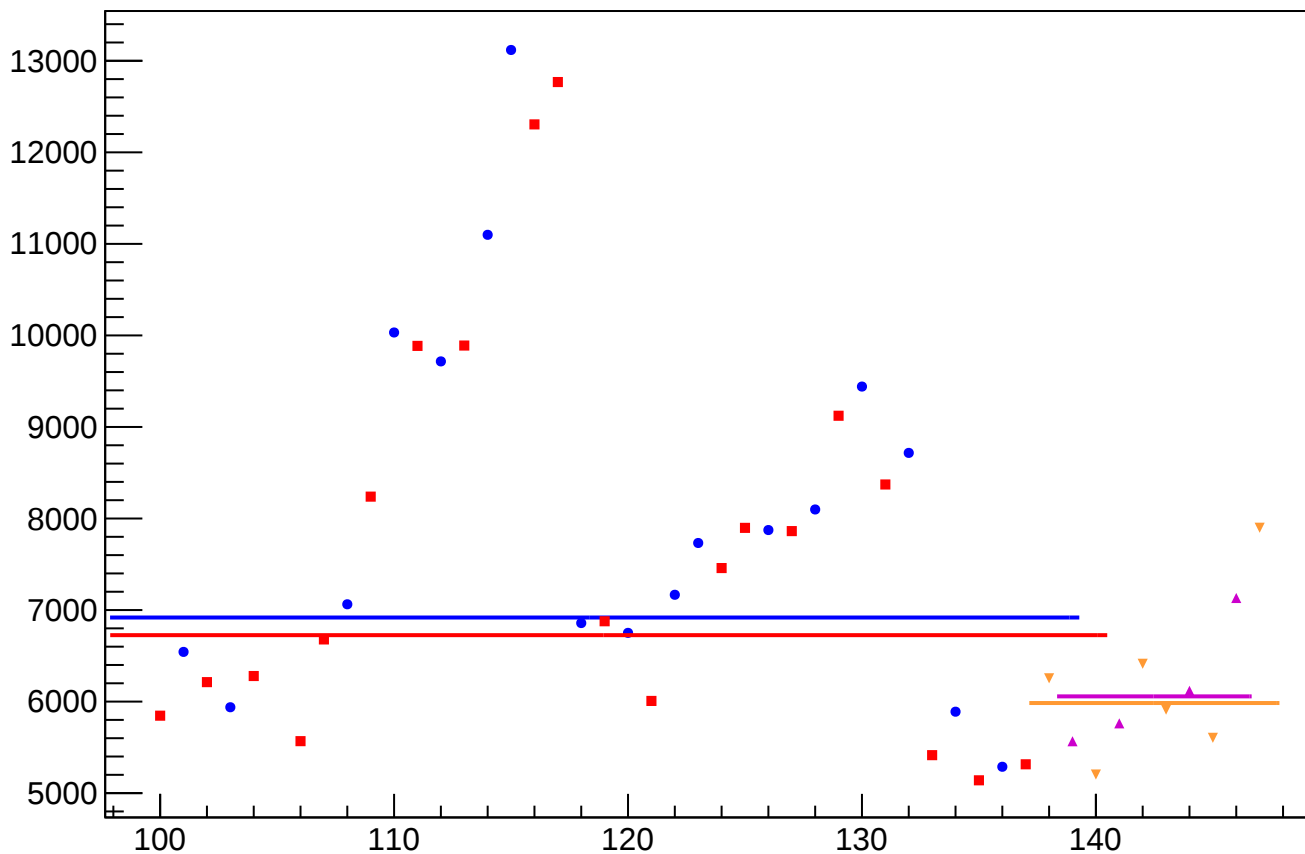
Left In: -8.255 $\pm$ 3.421 χ^2/NDF : 2.6/3

-0.238 $\pm$ 2.016 χ^2/NDF : 21.3/22

-3.320 $\pm$ 1.442 χ^2/NDF : 52.8/46

-6.547 $\pm$ 2.063 χ^2/NDF : 26.7/23

diff_bpm4ecY_rms vs Slug, Sign Corrected



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

Left Out: 5984.380+/-2.112 χ^2/NDF : 140275.2/5

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

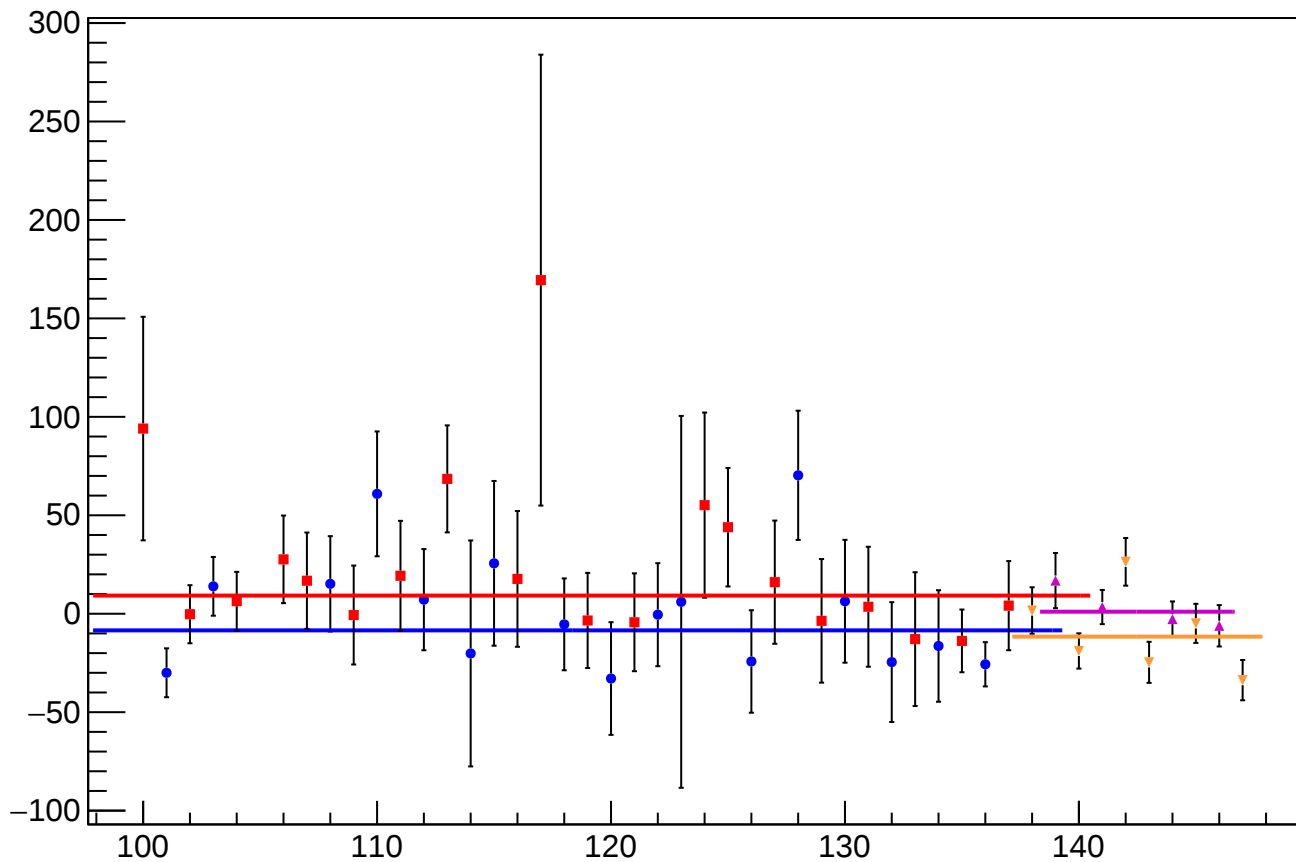
Left In: 6057.020+/-2.419 χ^2/NDF : 51082.4/3

6493.007+/-1.425 χ^2/NDF : 833836.1/22

6487.978+/-1.019 χ^2/NDF : 1608981.7/46

6482.711+/-1.458 χ^2/NDF : 775120.1/23

diff_bpm1X_mean vs Slug, Sign Corrected



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

Left Out: -11.628 ± 4.251 $\chi^2/\text{NDF}: 18.5/5$

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

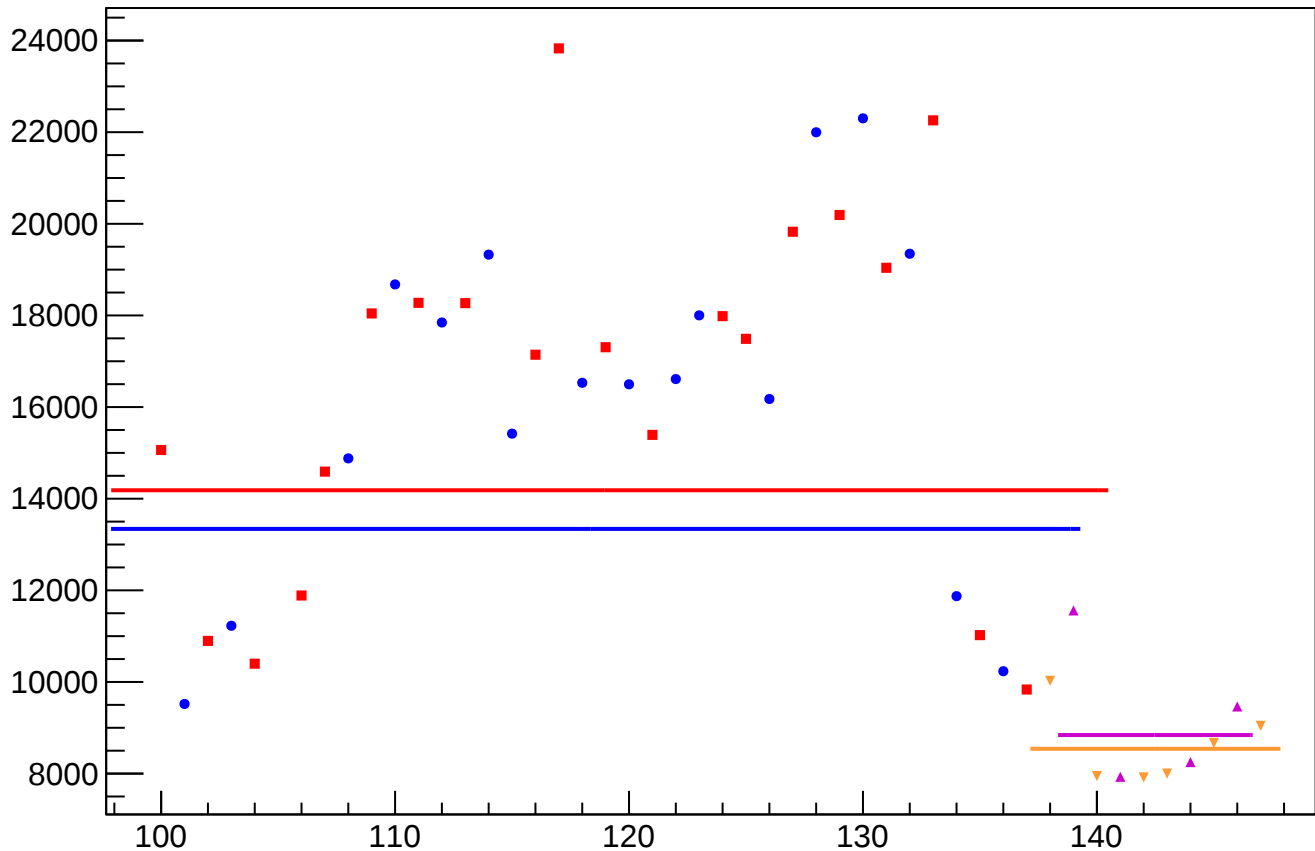
Left In: 1.038 ± 5.002 $\chi^2/\text{NDF}: 2.0/3$

-10.410 ± 3.338 $\chi^2/\text{NDF}: 40.7/22$

-3.613 ± 2.479 $\chi^2/\text{NDF}: 69.3/46$

4.742 ± 3.701 $\chi^2/\text{NDF}: 19.4/23$

diff_bpm1X_rms vs Slug, Sign Corrected



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

Left Out: 8541.678+/-3.006 χ^2/NDF : 56137.6/5

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

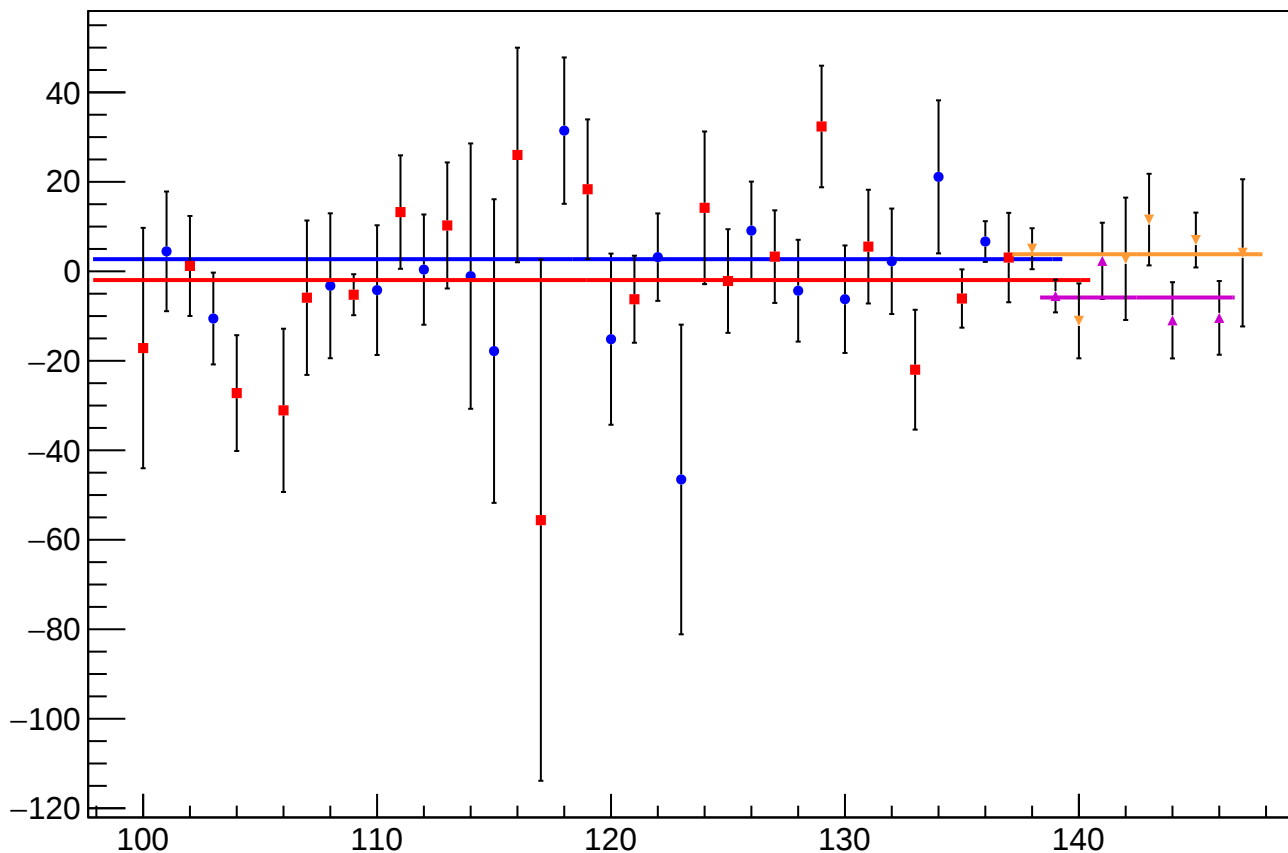
Left In: 8841.609+/-3.537 χ^2/NDF : 113169.7/3

10380.637+/-2.361 χ^2/NDF : 2077706.4/22

10774.737+/-1.753 χ^2/NDF : 4231448.1/4

11259.170+/-2.617 χ^2/NDF : 2091604.7/23

diff_bpm1Y_mean vs Slug, Sign Corrected



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

Left Out: 3.822 $\pm$ 3.055 χ^2 /NDF: 4.1/5

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

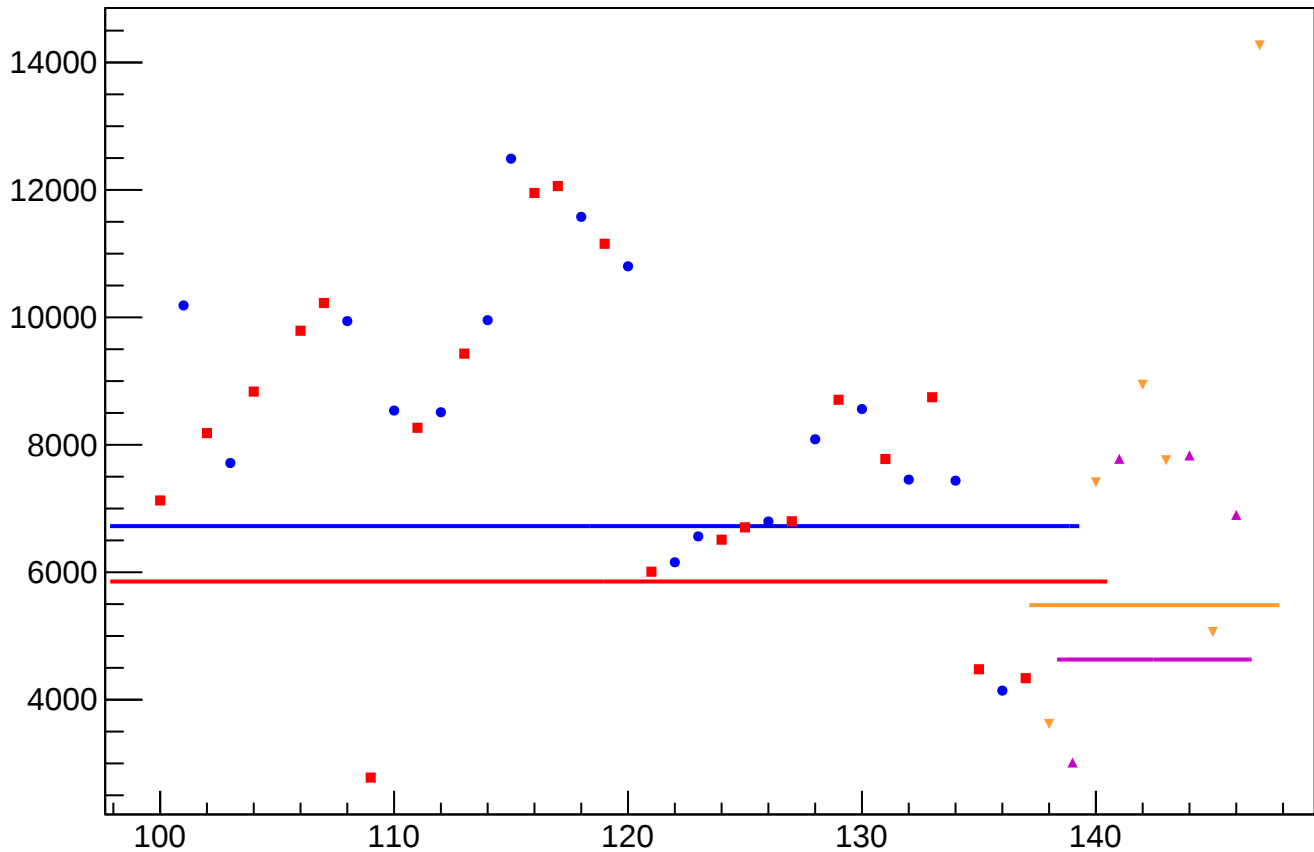
Left In: -5.848 $\pm$ 2.922 χ^2 /NDF: 1.6/3

3.212 $\pm$ 2.045 χ^2 /NDF: 15.8/22

-0.469 $\pm$ 1.380 χ^2 /NDF: 48.8/46

-3.552 $\pm$ 1.871 χ^2 /NDF: 27.0/23

diff_bpm1Y_rms vs Slug, Sign Corrected



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

Left Out: 5484.440 $\pm$ 2.160 χ^2/NDF :1244084.0/5

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

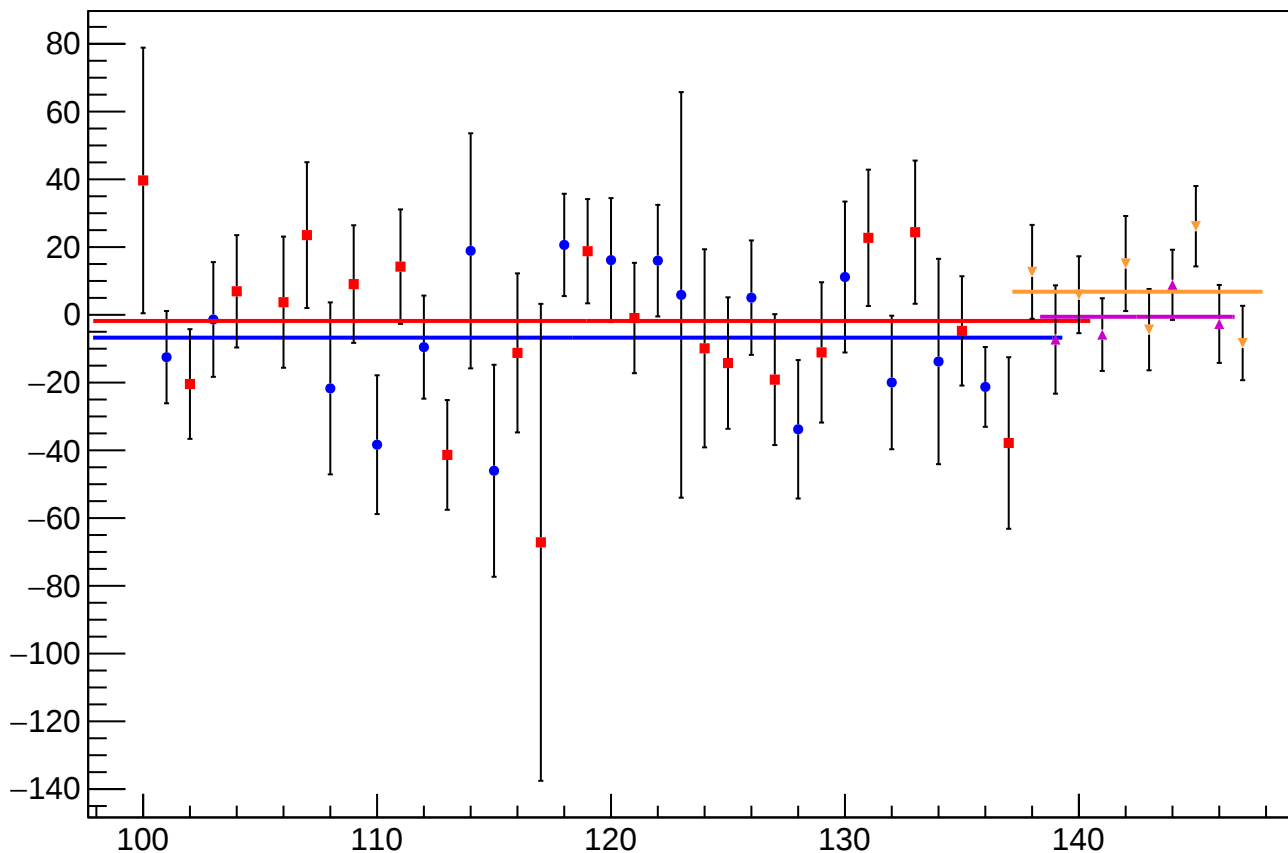
Left In: 4630.407 $\pm$ 2.066 χ^2/NDF :1098675.8/3

6168.544 $\pm$ 1.446 χ^2/NDF : 2817910.2/22

5724.497 $\pm$ 0.976 χ^2/NDF : 6597013.8/46

5352.497 $\pm$ 1.323 χ^2/NDF : 3605739.7/23

diff_bpm11X_mean vs Slug, Sign Corrected



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

Left Out: 6.824 ± 4.976 χ^2/NDF : 6.0/5

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

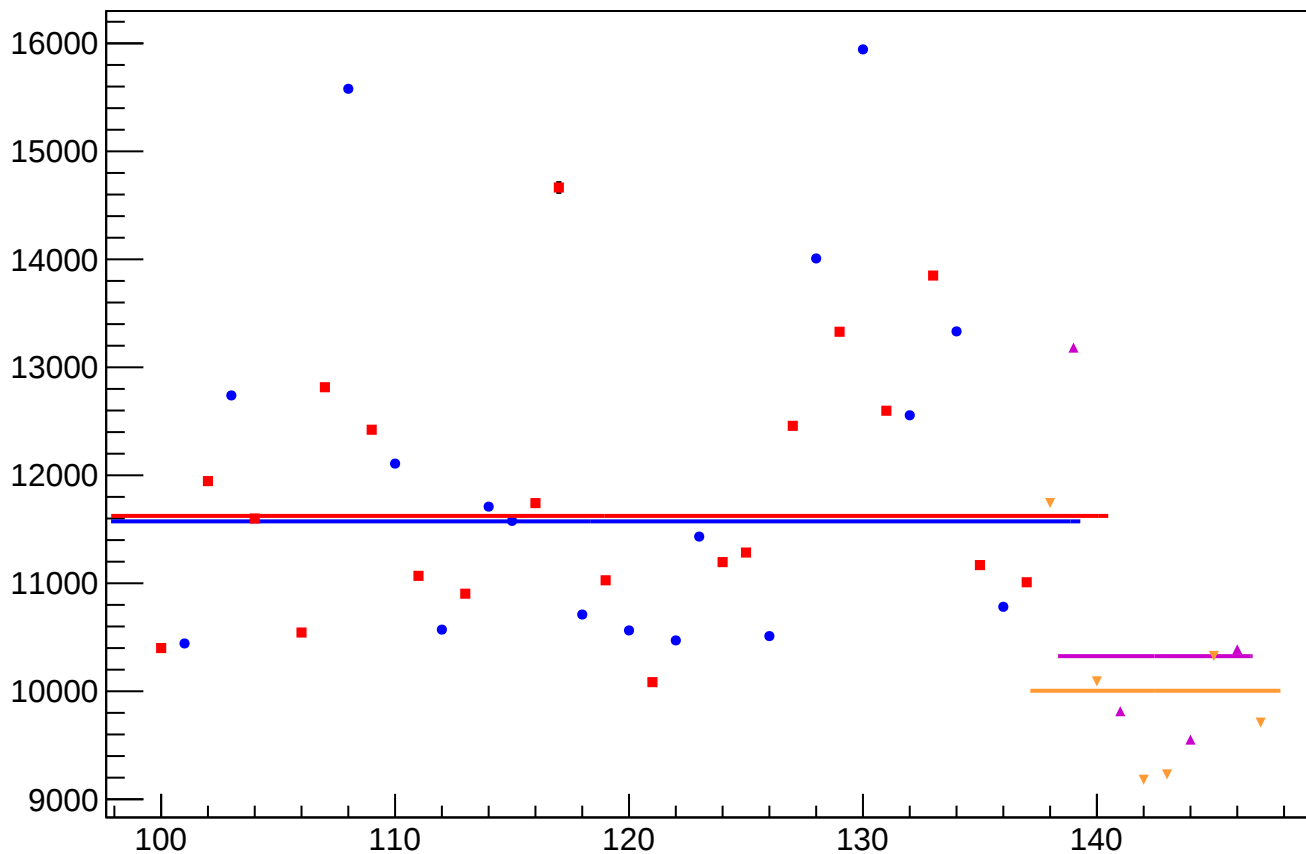
Left In: -0.569 ± 5.823 χ^2/NDF : 1.3/3

-0.616 ± 3.343 χ^2/NDF : 26.9/22

-0.971 ± 2.415 χ^2/NDF : 49.1/46

-1.358 ± 3.492 χ^2/NDF : 22.1/23

diff_bpm11X_rms vs Slug, Sign Corrected



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

Left Out: 10004.832 $\pm$ 3.519 χ^2/NDF : 49701.2/5

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

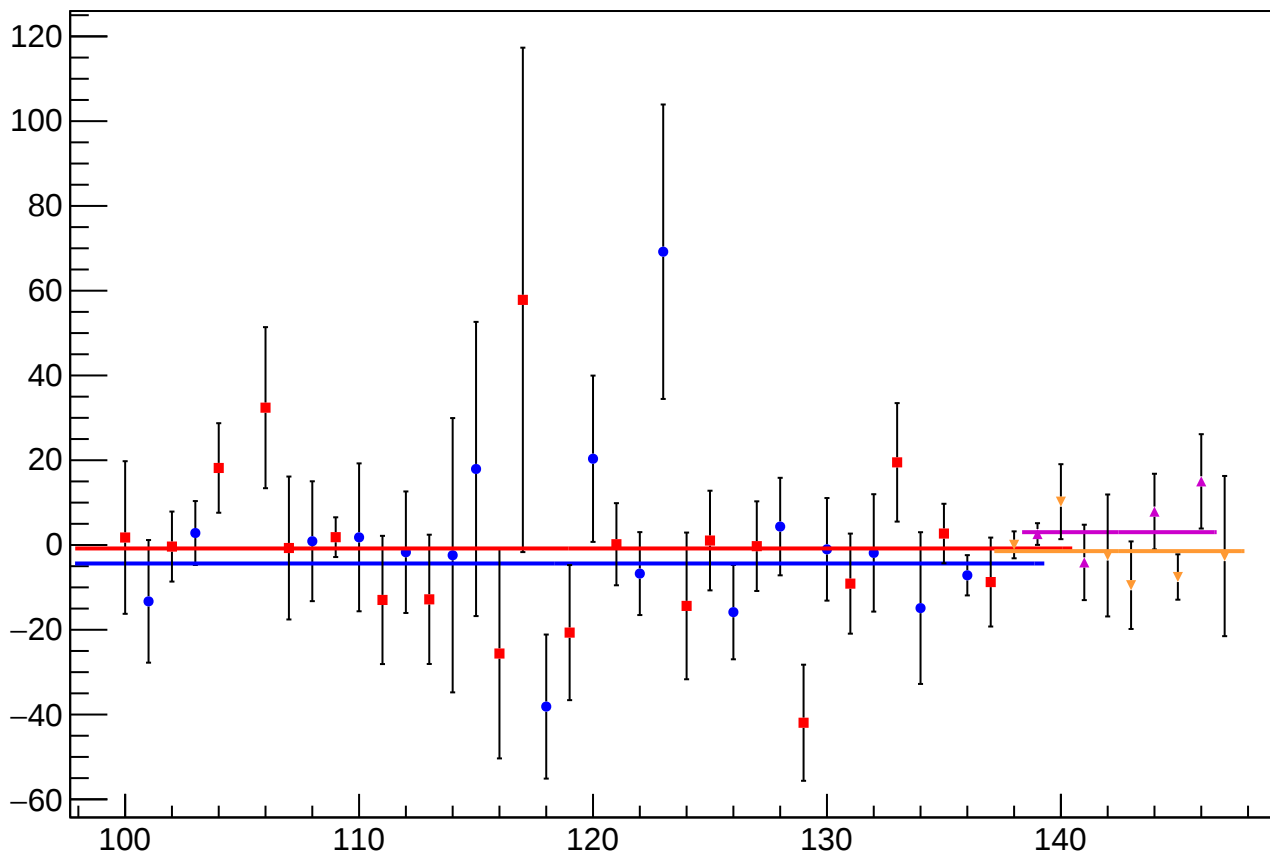
Left In: 10325.295 $\pm$ 4.117 χ^2/NDF : 79581.5/3

10865.527 $\pm$ 2.364 χ^2/NDF : 397493.6/22

11004.848 $\pm$ 1.708 χ^2/NDF : 646095.2/46

11156.889 $\pm$ 2.469 χ^2/NDF : 241336.4/23

diff_bpm11Y_mean vs Slug, Sign Corrected



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

Left Out: -1.445 ± 2.471 χ^2/NDF : 3.9/5

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

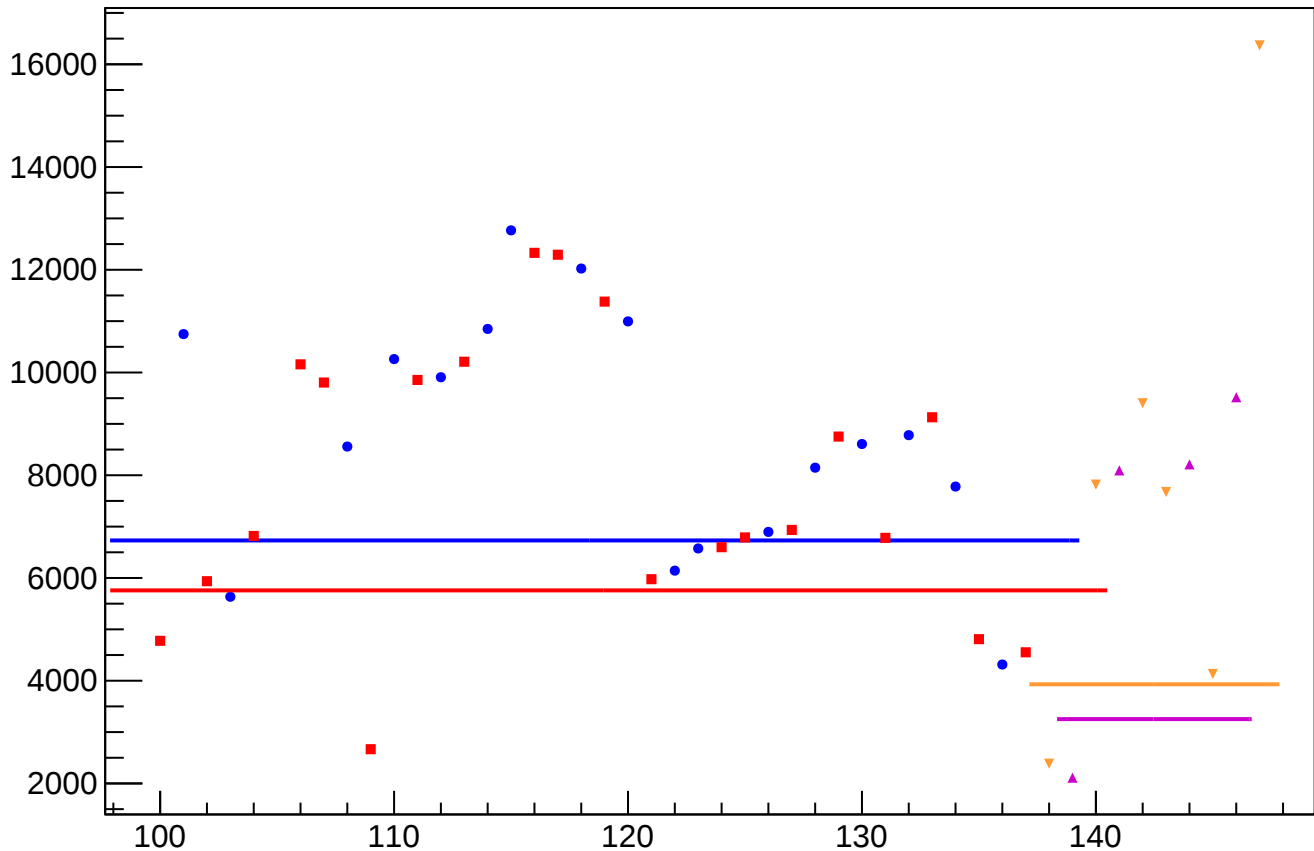
Left In: 3.027 ± 2.321 χ^2/NDF : 2.1/3

-2.734 ± 1.846 χ^2/NDF : 19.0/22

-0.584 ± 1.241 χ^2/NDF : 49.4/46

1.189 ± 1.676 χ^2/NDF : 28.0/23

diff_bpm11Y_rms vs Slug, Sign Corrected



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

Left Out: 3930.110 $\pm$ 1.748 χ^2/NDF : 2280548.1/5

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

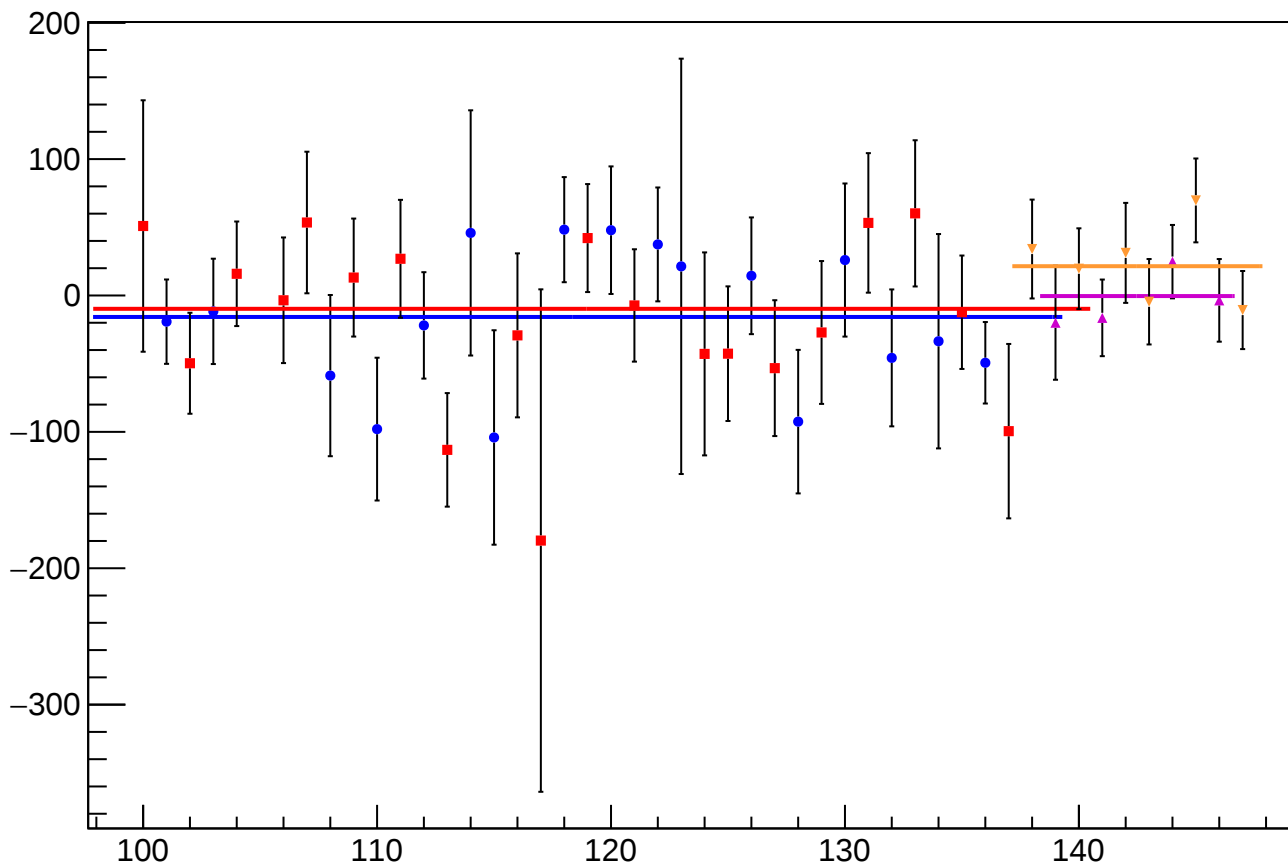
Left In: 3252.514 $\pm$ 1.641 χ^2/NDF : 2239294.0/3

5168.303 $\pm$ 1.305 χ^2/NDF : 4861214.5/22

4775.082 $\pm$ 0.878 χ^2/NDF : 10567840.5/4

4450.841 $\pm$ 1.185 χ^2/NDF : 5541046.0/23

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -15.751 ± 11.207 $\chi^2/\text{NDF}: 15.9/16$

Left Out: 21.470 ± 12.972 $\chi^2/\text{NDF}: 4.6/5$

Right Out: -9.773 ± 10.870 $\chi^2/\text{NDF}: 20.1/19$

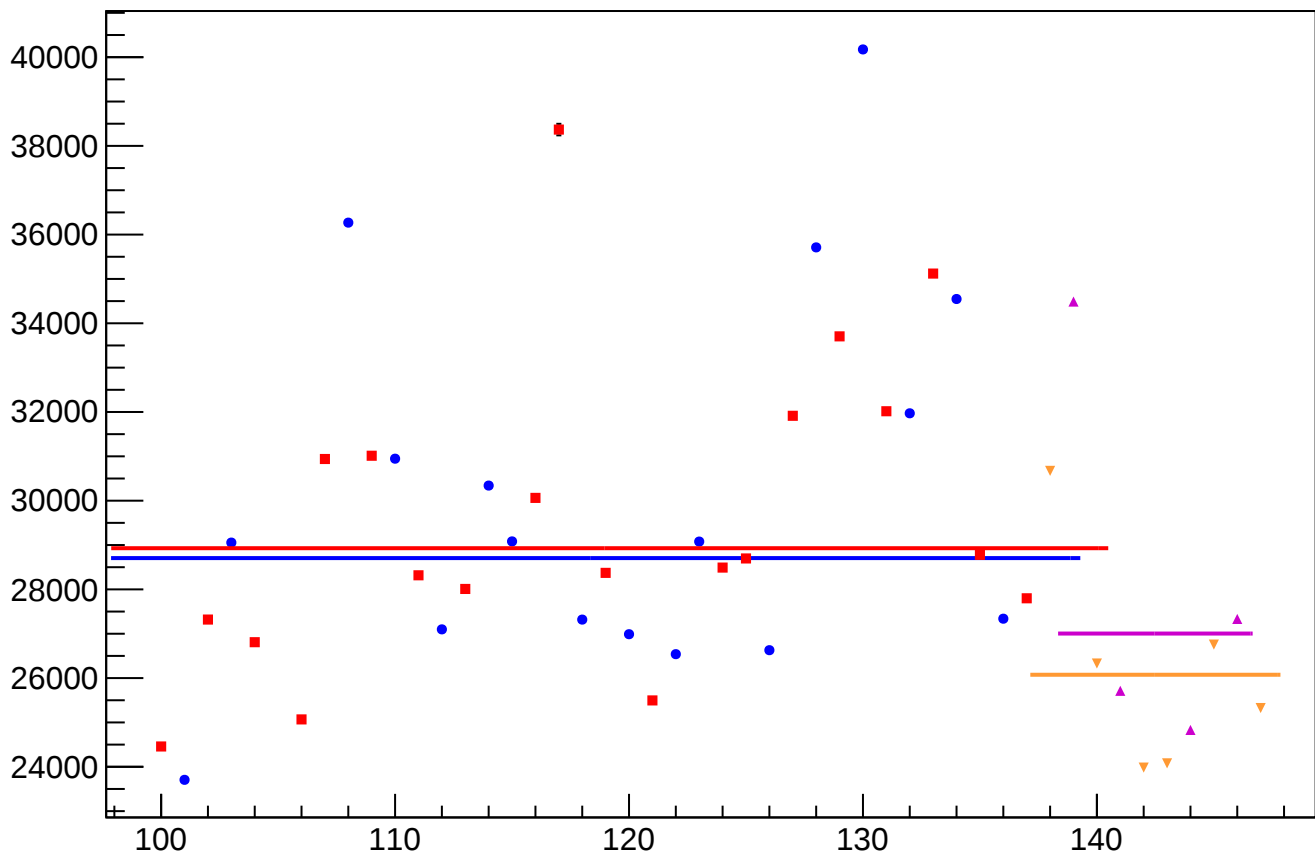
Left In: -0.426 ± 15.233 $\chi^2/\text{NDF}: 1.4/3$

0.158 ± 8.481 $\chi^2/\text{NDF}: 25.2/22$

-3.087 ± 6.123 $\chi^2/\text{NDF}: 47.3/46$

-6.619 ± 8.848 $\chi^2/\text{NDF}: 21.8/23$

diff_bpm12X_rms vs Slug, Sign Corrected



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

Left Out: 26075.067+/-9.173 χ^2/NDF : 49343.7/5

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

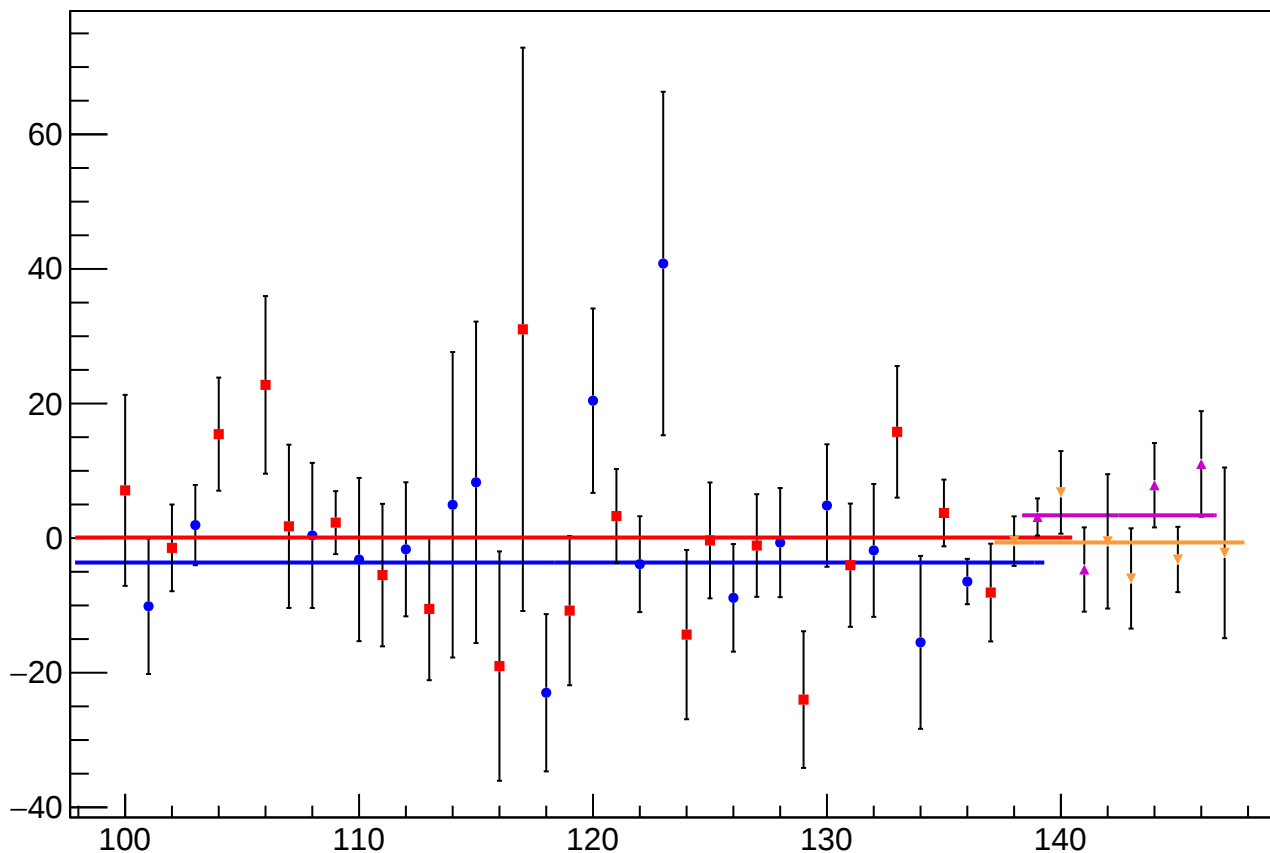
Left In: 27004.140+/-10.772 χ^2/NDF : 81562.5/3

27581.256+/-5.997 χ^2/NDF : 347427.5/22

27915.442+/-4.329 χ^2/NDF : 573107.3/46

28279.239+/-6.257 χ^2/NDF : 219193.4/23

diff_bpm12Y_mean vs Slug, Sign Corrected



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

Left Out: -0.640 $\pm$ 2.377 χ^2/NDF : 2.3/5

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

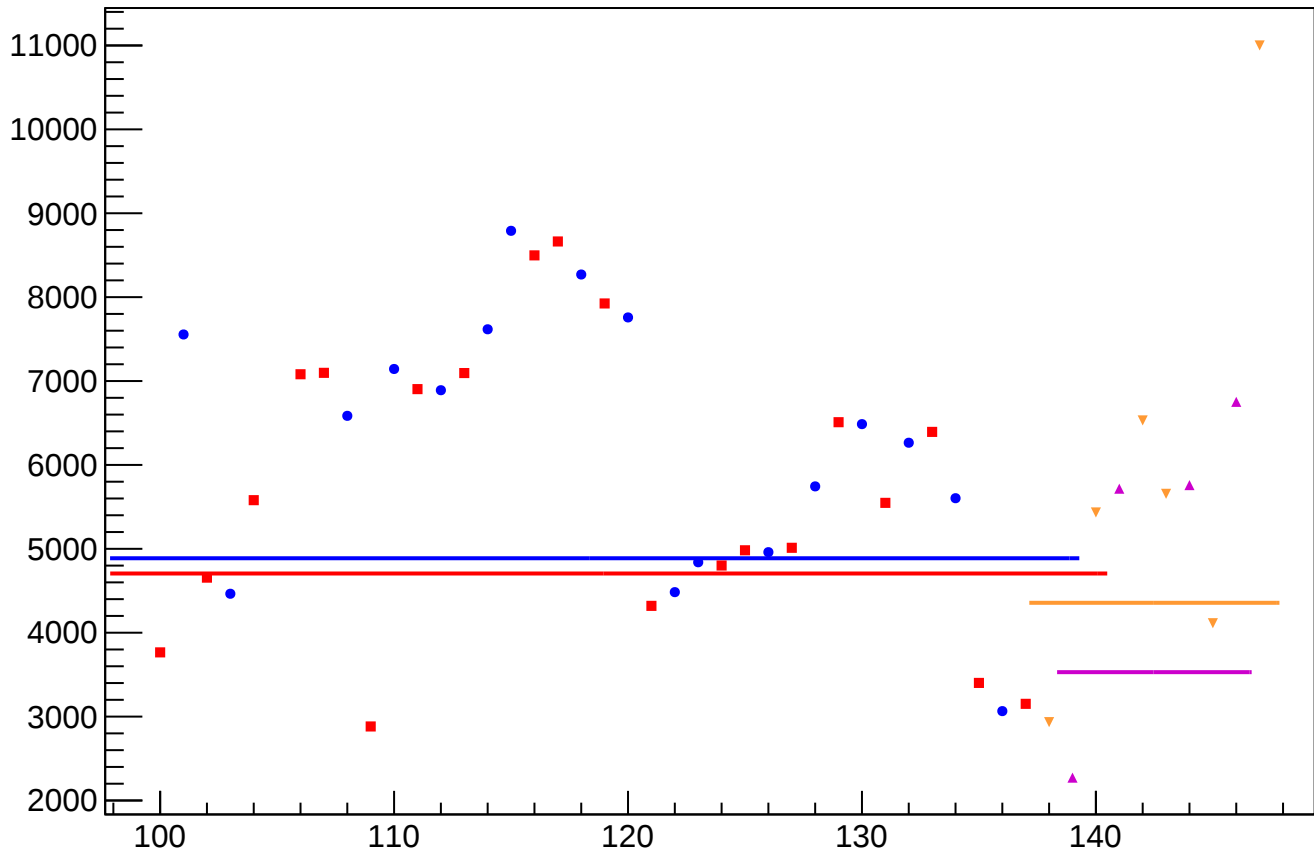
Left In: 3.391 $\pm$ 2.245 χ^2/NDF : 3.1/3

-2.384 $\pm$ 1.533 χ^2/NDF : 16.9/22

-0.350 $\pm$ 1.052 χ^2/NDF : 47.3/46

1.458 $\pm$ 1.445 χ^2/NDF : 27.0/23

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4887.515 $\pm$ 1.418 χ^2/NDF : 1409296.8/16

Left Out: 4356.551 $\pm$ 1.681 χ^2/NDF :1069475.8/5

Right Out: 4705.797 $\pm$ 1.335 χ^2/NDF : 1331043.3/19

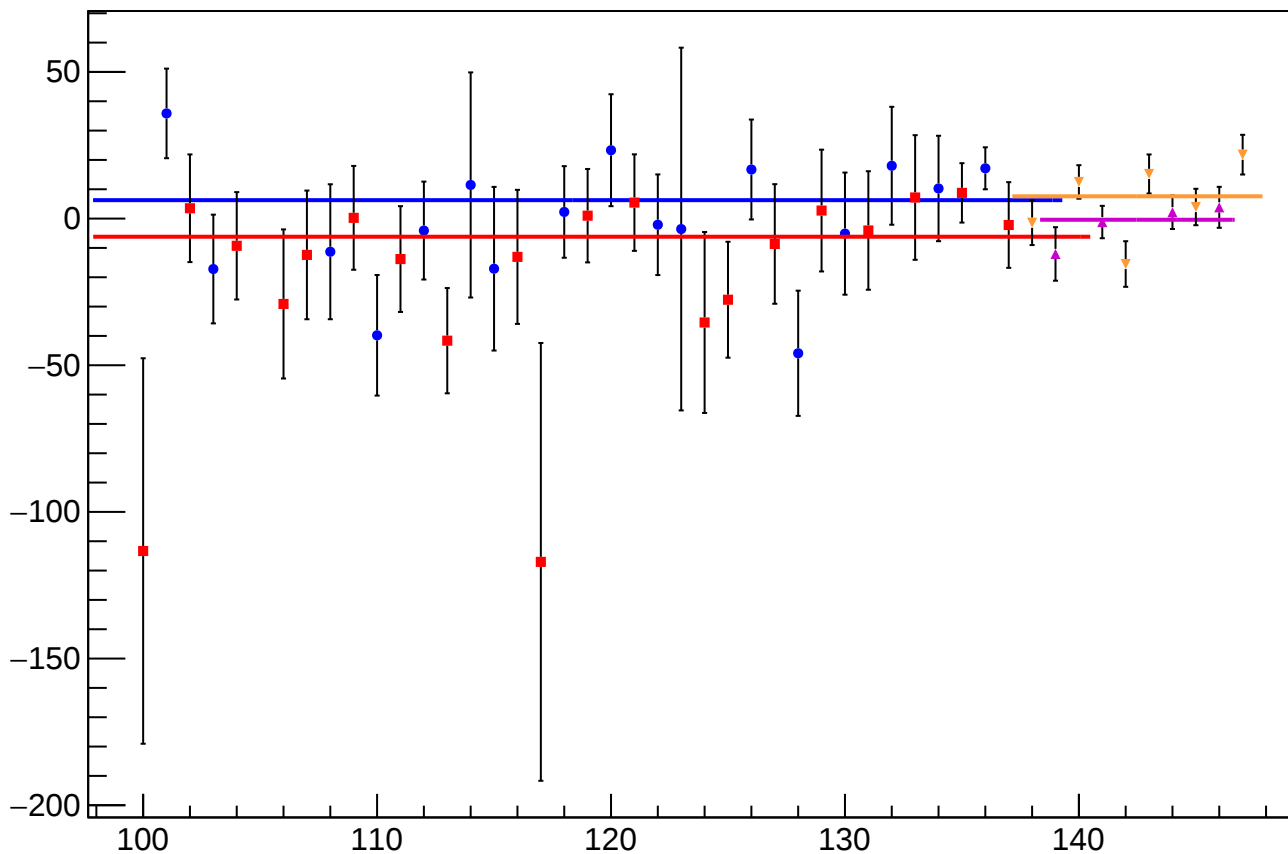
Left In: 3529.767 $\pm$ 1.588 χ^2/NDF :1249194.3/3

4666.663 $\pm$ 1.084 χ^2/NDF : 2537054.1/22

4429.458 $\pm$ 0.744 χ^2/NDF : 5529113.9/46

4218.701 $\pm$ 1.022 χ^2/NDF : 2901636.9/23

diff_bpm16X_mean vs Slug, Sign Corrected



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

Left Out: 7.600 ± 2.724 $\chi^2/\text{NDF}: 17.0/5$

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

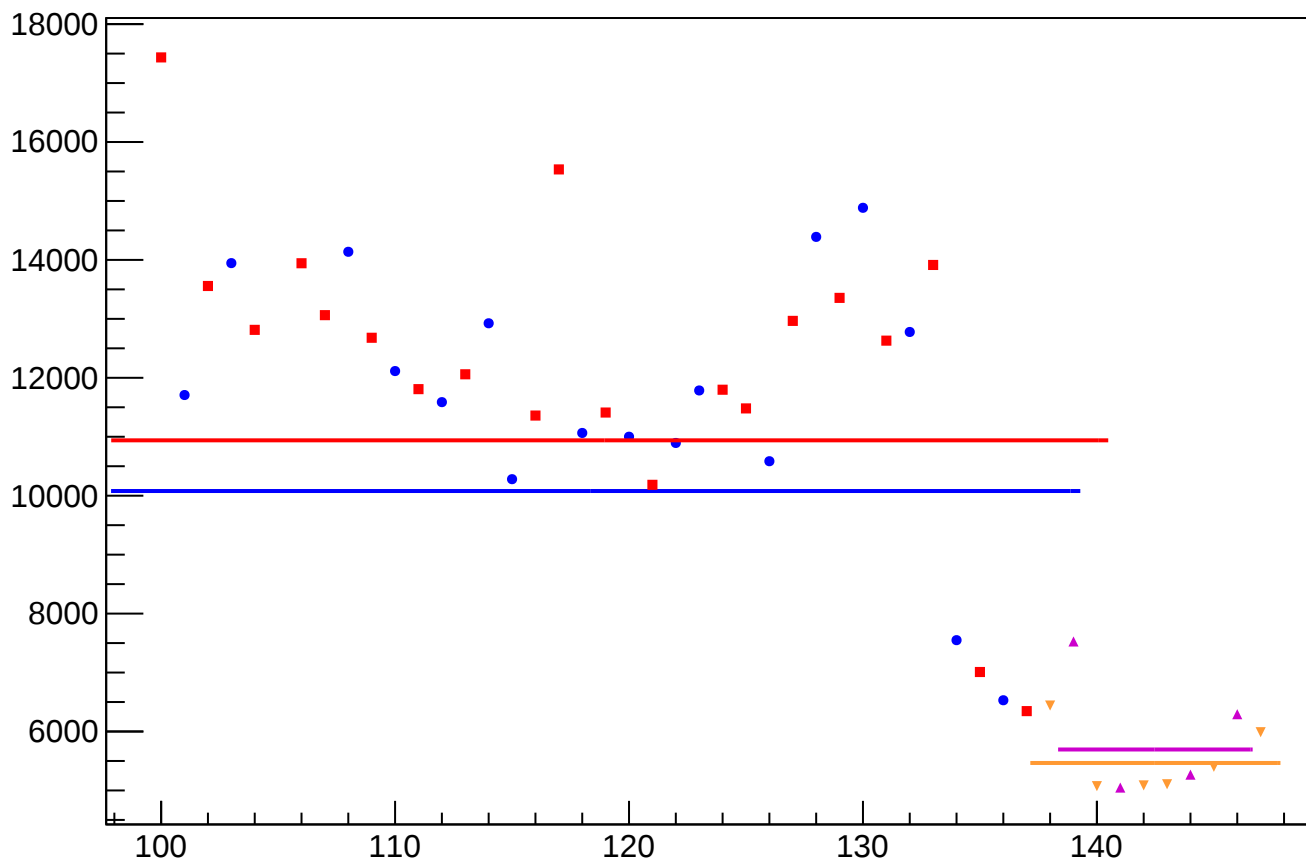
Left In: -0.396 ± 3.227 $\chi^2/\text{NDF}: 2.2/3$

7.192 ± 2.263 $\chi^2/\text{NDF}: 39.6/22$

2.929 ± 1.696 $\chi^2/\text{NDF}: 67.1/46$

-2.536 ± 2.562 $\chi^2/\text{NDF}: 19.4/23$

diff_bpm16X_rms vs Slug, Sign Corrected



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

Left Out: 5466.104 $\pm$ 1.926 χ^2 /NDF:65008.9/5

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

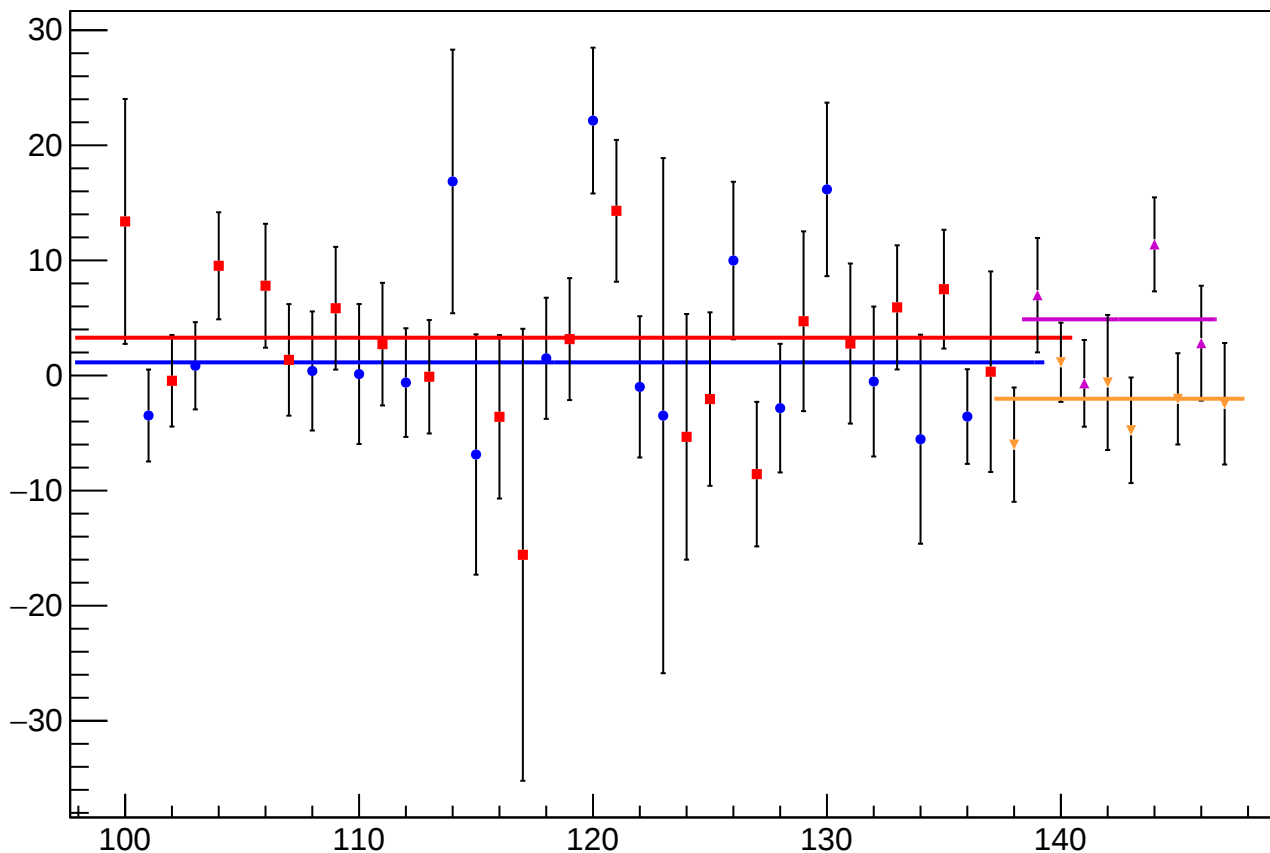
Left In: 5694.722 $\pm$ 2.282 χ^2 /NDF:133914.2/3

6896.026 $\pm$ 1.600 χ^2 /NDF: 2837998.8/22

7219.626 $\pm$ 1.199 χ^2 /NDF: 5794872.0/46

7634.452 $\pm$ 1.811 χ^2 /NDF: 2863523.0/23

diff_bpm16Y_mean vs Slug, Sign Corrected



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

Left Out: -2.018 ± 1.823 χ^2/NDF : 1.9/5

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

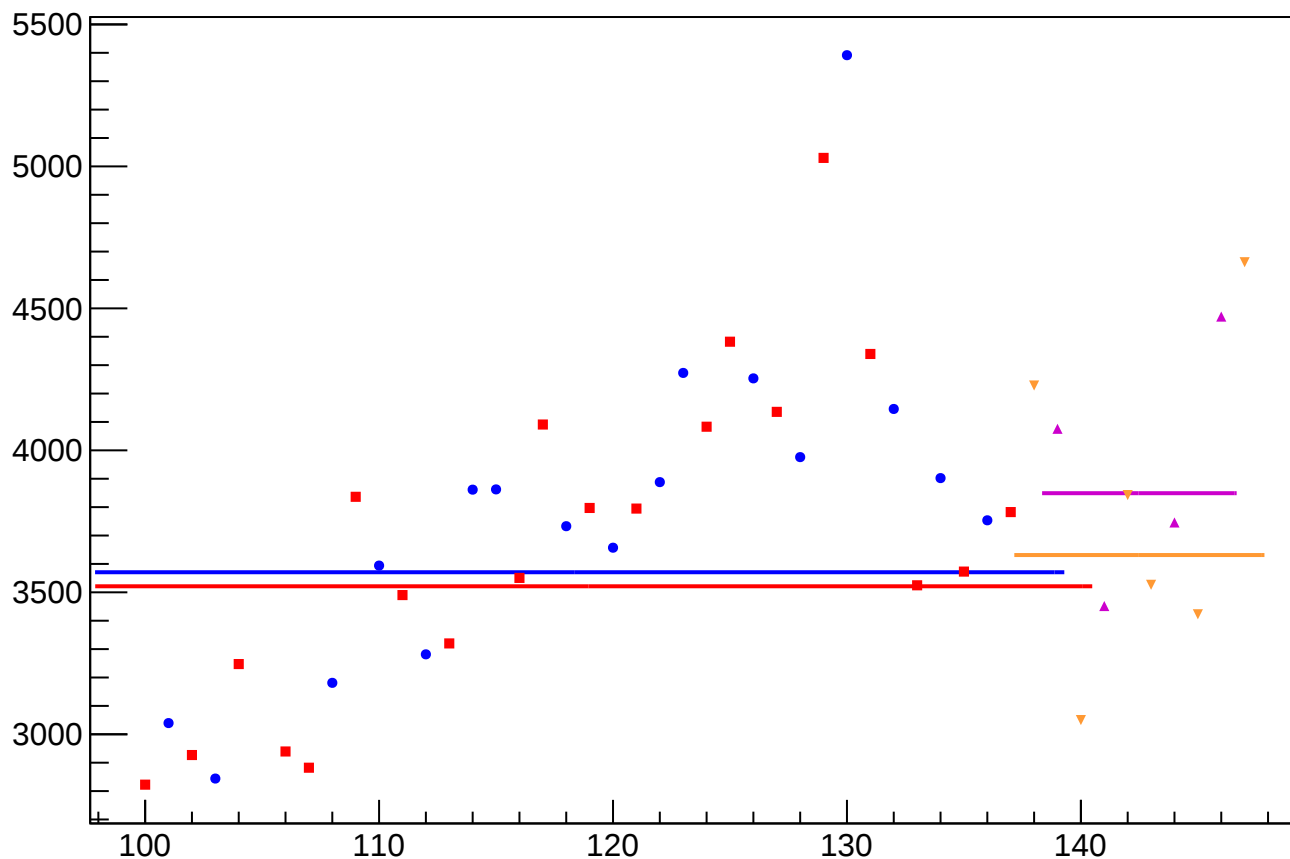
Left In: 4.882 ± 2.177 χ^2/NDF : 5.1/3

-0.025 ± 1.108 χ^2/NDF : 27.0/22

1.801 ± 0.793 χ^2/NDF : 54.1/46

3.718 ± 1.135 χ^2/NDF : 21.5/23

diff_bpm16Y_rms vs Slug, Sign Corrected



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

Left Out: 3631.287+/-1.289 χ^2/NDF : 171428.1/5

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

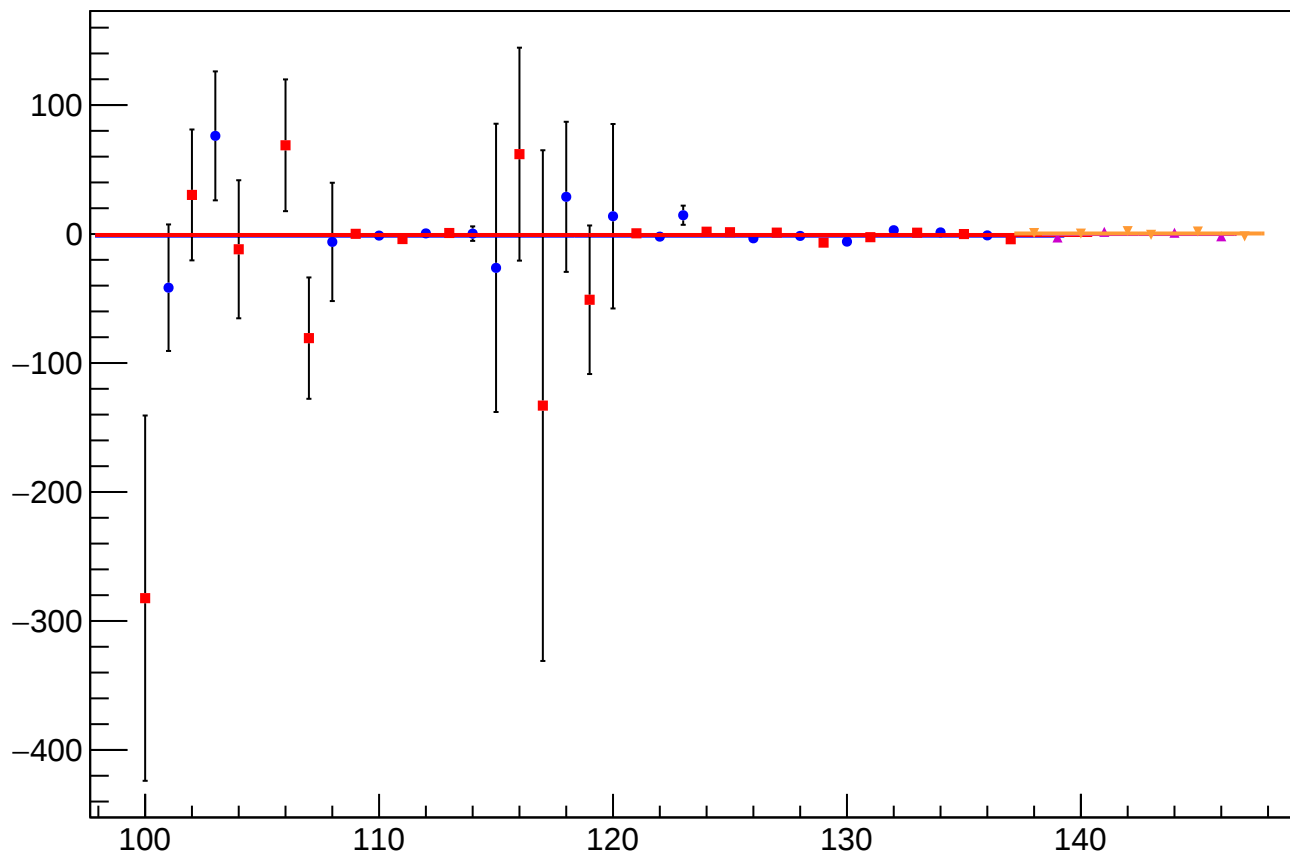
Left In: 3849.085+/-1.539 χ^2/NDF : 58788.0/3

3593.091+/-0.783 χ^2/NDF : 482389.3/22

3601.526+/-0.561 χ^2/NDF : 869368.1/46

3610.379+/-0.803 χ^2/NDF : 386741.2/23

diff_bpm1p02bX_mean vs Slug, Sign Corrected



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

Left Out: 0.419+/-0.518 χ^2 /NDF: 7.0/5

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

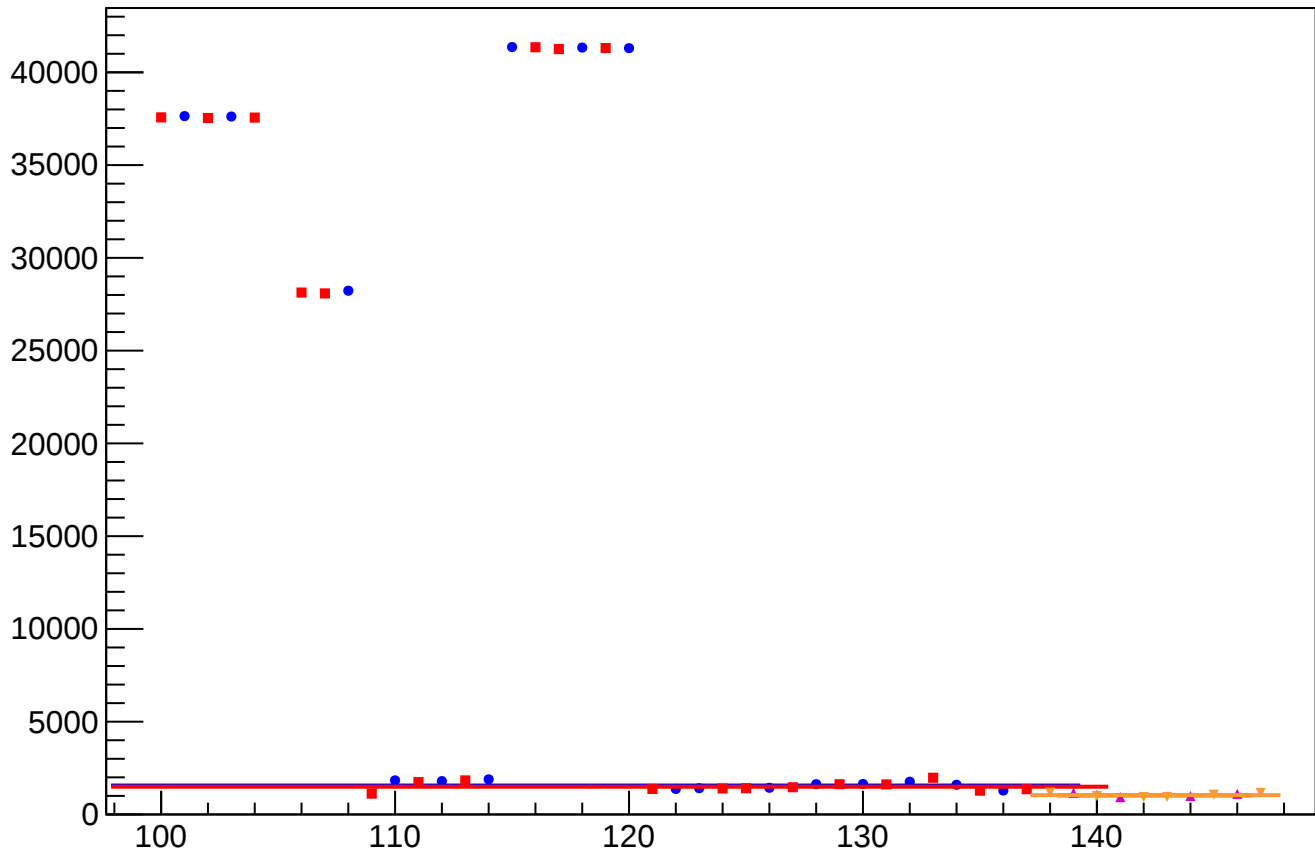
Left In: 0.003+/-0.581 χ^2 /NDF: 9.1/3

-0.126+/-0.426 χ^2 /NDF: 26.6/22

-0.205+/-0.309 χ^2 /NDF: 59.0/46

-0.293+/-0.450 χ^2 /NDF: 32.3/23

diff_bpm1p02bX_rms vs Slug, Sign Corrected



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

Left Out: 1041.664+/-0.366 χ^2/NDF : 66826.6/5

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

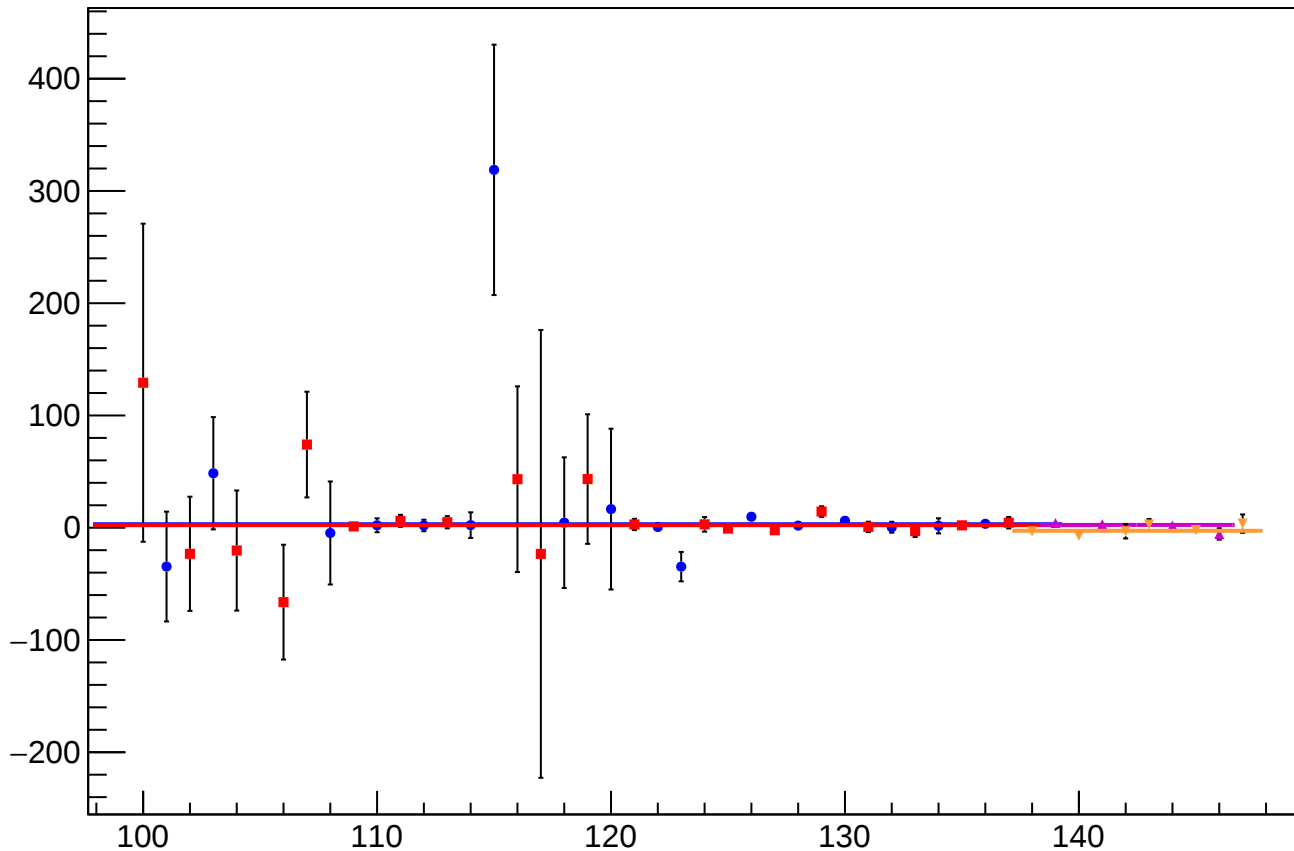
Left In: 1030.103+/-0.411 χ^2/NDF : 47229.6/3

1209.440+/-0.301 χ^2/NDF : 5467132.0/22

1212.733+/-0.219 χ^2/NDF : 11002033.1/4

1216.403+/-0.318 χ^2/NDF : 5534648.4/23

diff_bpm1p02bY_mean vs Slug, Sign Corrected



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

Left Out: -2.709 ± 1.555 χ^2/NDF : 3.1/5

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

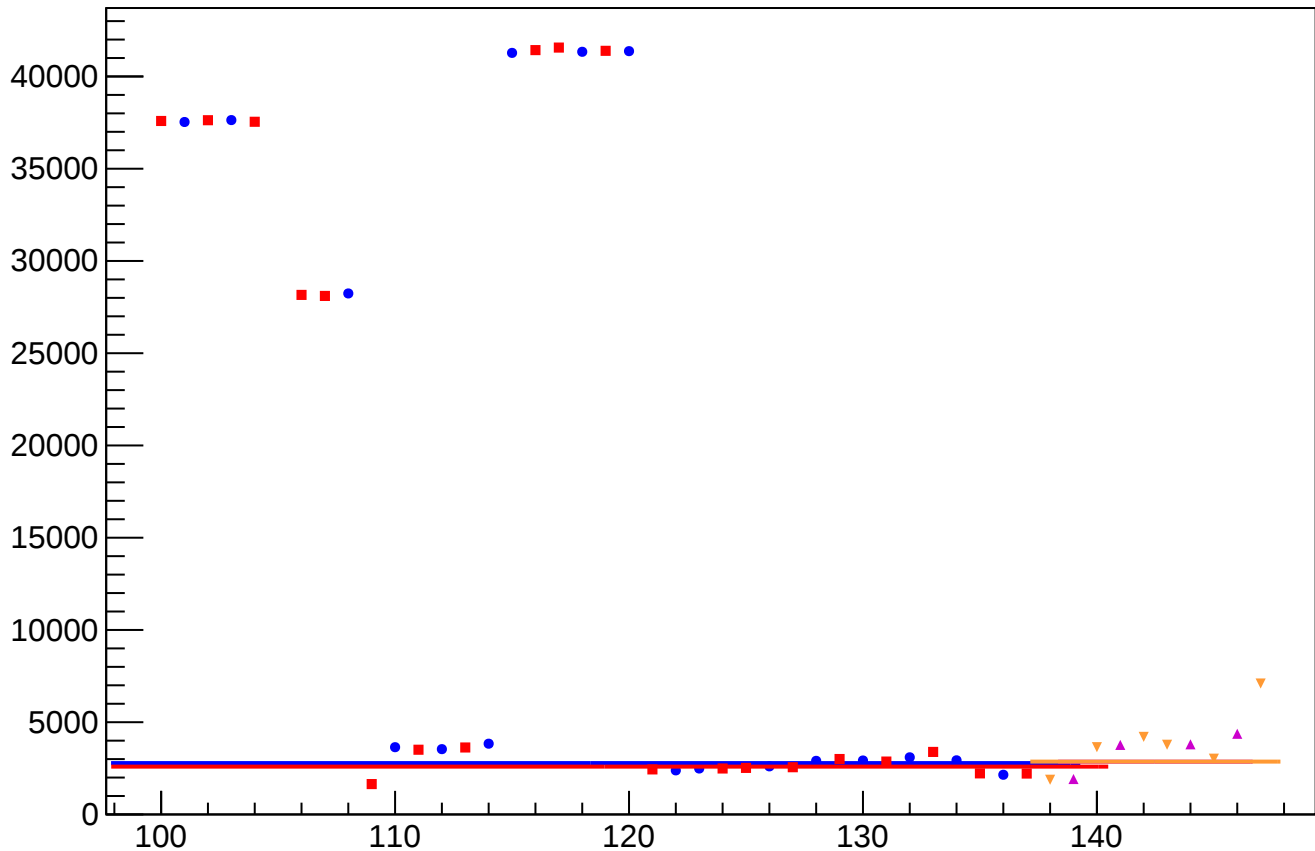
Left In: 2.493 ± 1.729 χ^2/NDF : 3.1/3

0.645 ± 1.008 χ^2/NDF : 33.0/22

1.509 ± 0.711 χ^2/NDF : 54.5/46

2.368 ± 1.005 χ^2/NDF : 20.0/23

diff_bpm1p02bY_rms vs Slug, Sign Corrected



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

Left Out: 2864.569 $\pm$ 1.099 χ^2 /NDF: 1147083.4/5

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

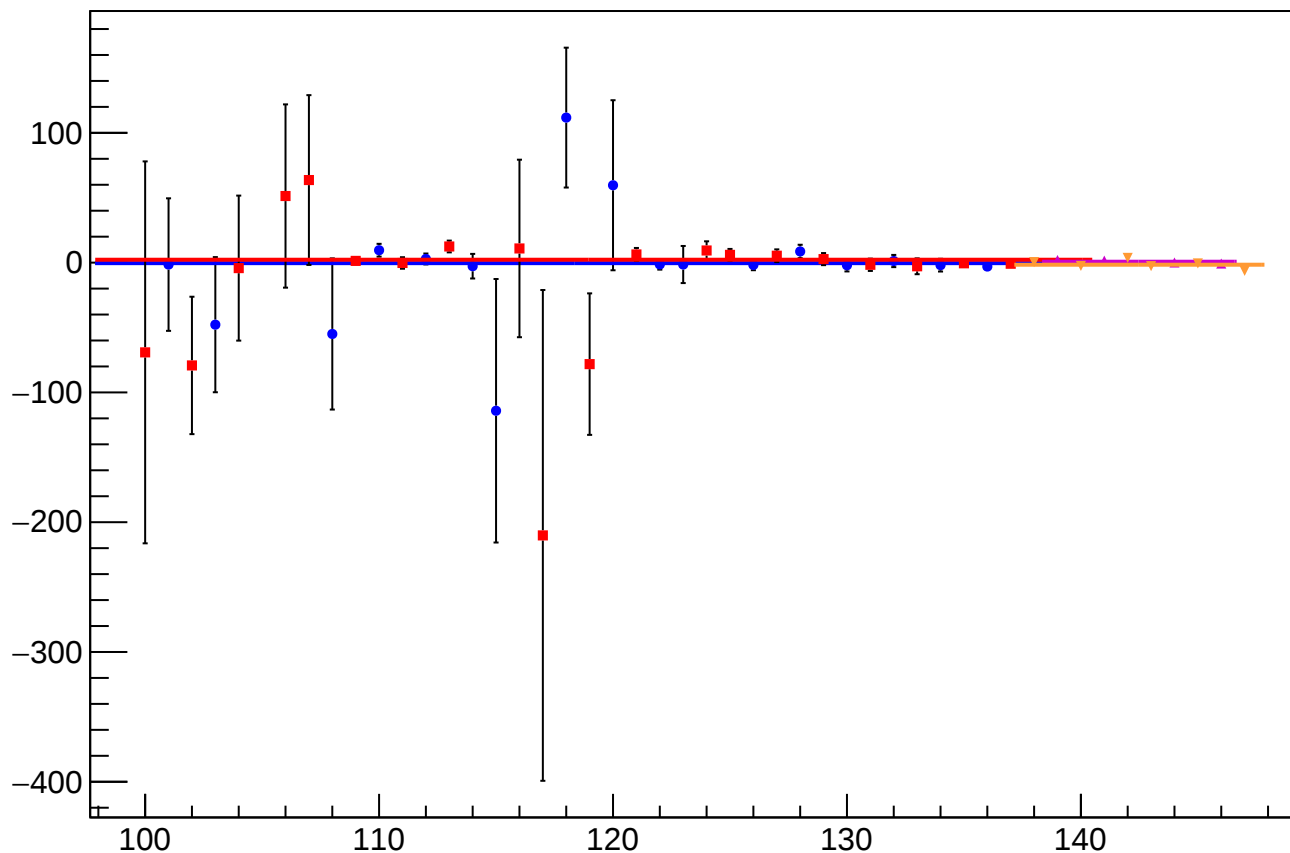
Left In: 2858.322 $\pm$ 1.222 χ^2 /NDF: 694135.7/3

2817.843 $\pm$ 0.712 χ^2 /NDF: 5727623.7/22

2749.912 $\pm$ 0.503 χ^2 /NDF: 11394248.0/4

2682.386 $\pm$ 0.710 χ^2 /NDF: 5648498.0/23

diff_bpm1p03aX_mean vs Slug, Sign Corrected



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

Left Out: -1.602 $\pm$ 0.774 χ^2/NDF : 13.5/5

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

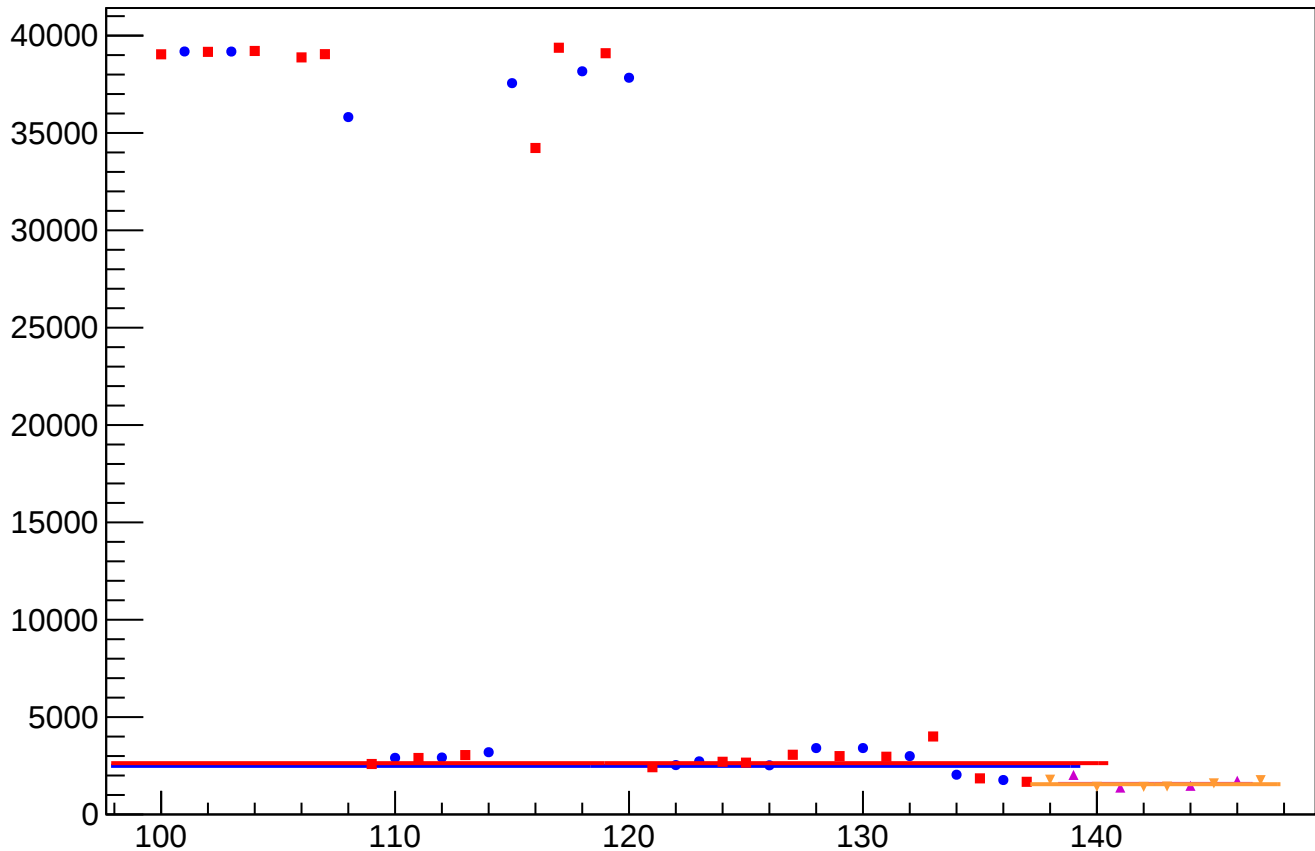
Left In: 0.696 $\pm$ 0.889 χ^2/NDF : 1.3/3

-1.257 $\pm$ 0.653 χ^2/NDF : 32.4/22

-0.148 $\pm$ 0.485 χ^2/NDF : 59.9/46

1.216 $\pm$ 0.724 χ^2/NDF : 21.0/23

diff_bpm1p03aX_rms vs Slug, Sign Corrected



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

Left Out: 1554.300+/-0.547 χ^2/NDF : 77493.2/5

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

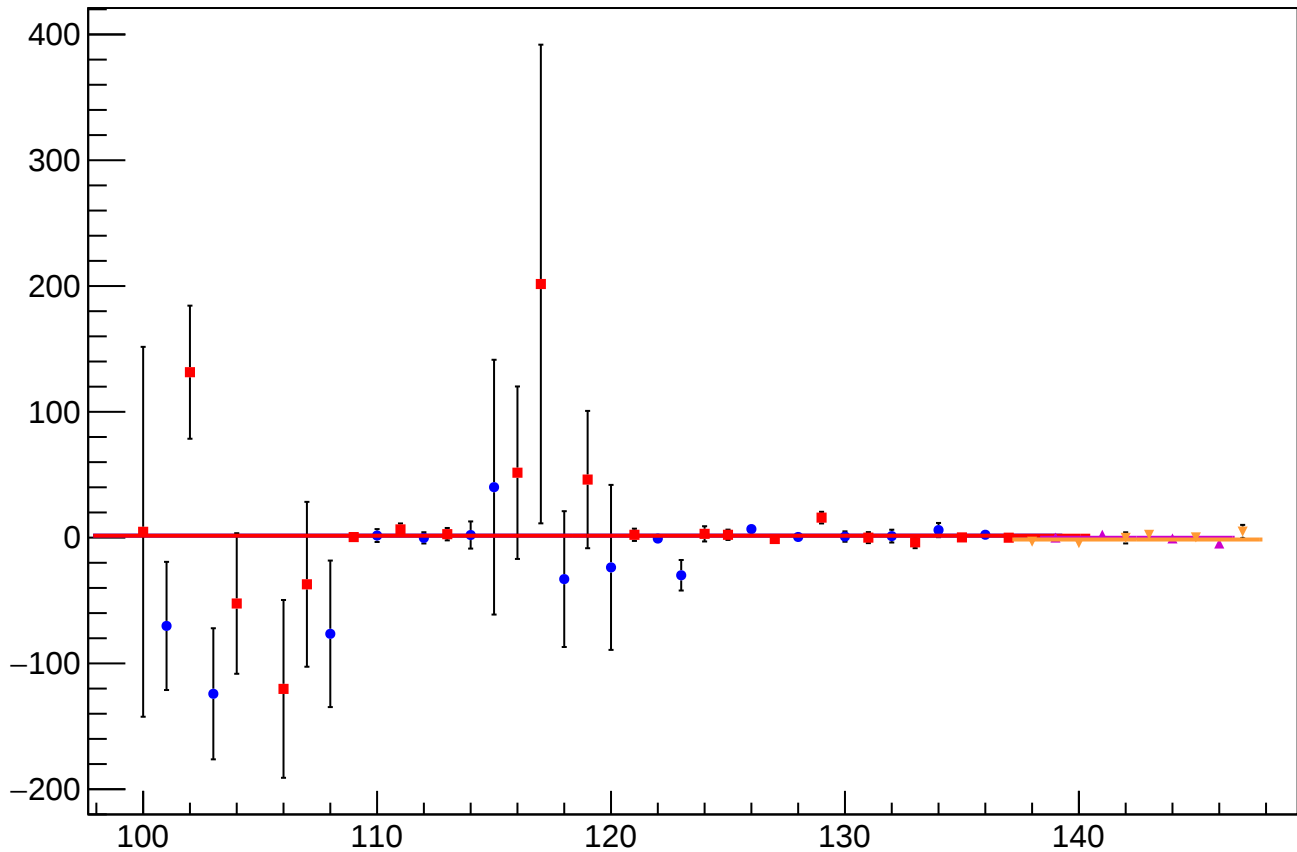
Left In: 1568.838+/-0.629 χ^2/NDF : 123785.0/3

1825.025+/-0.462 χ^2/NDF : 5811034.8/22

1871.556+/-0.343 χ^2/NDF : 11863328.6/4

1928.721+/-0.512 χ^2/NDF : 6029670.5/23

diff_bpm1p03aY_mean vs Slug, Sign Corrected



Right In: 1.576 $\pm$ 1.143 χ^2 /NDF: 20.3/16

Left Out: -1.506 $\pm$ 1.072 χ^2 /NDF: 5.4/5

Right Out: 1.530 $\pm$ 1.062 χ^2 /NDF: 26.1/19

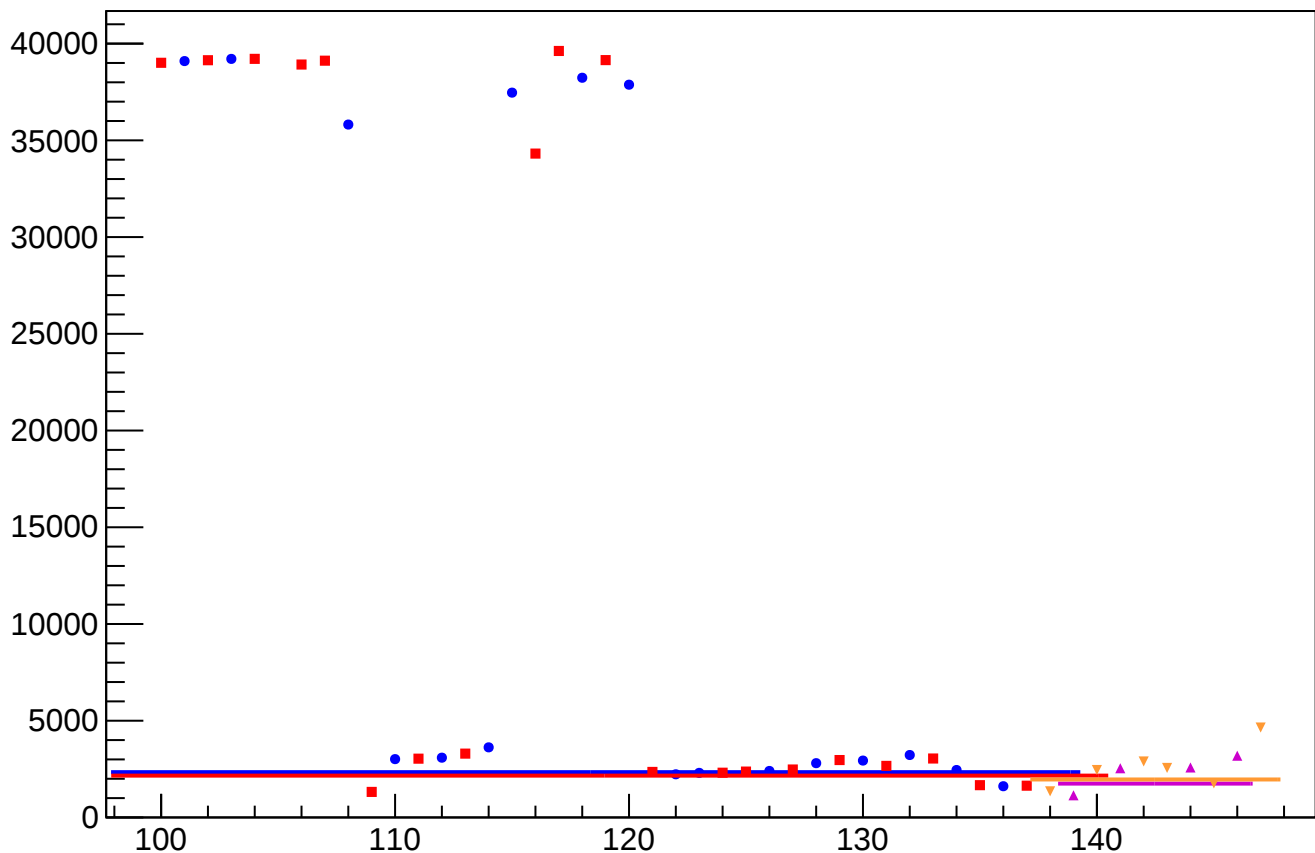
Left In: -0.118 $\pm$ 1.087 χ^2 /NDF: 2.3/3

-0.064 $\pm$ 0.782 χ^2 /NDF: 29.6/22

0.342 $\pm$ 0.545 χ^2 /NDF: 59.8/46

0.725 $\pm$ 0.760 χ^2 /NDF: 29.7/23

diff_bpm1p03aY_rms vs Slug, Sign Corrected



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

Left Out: 1963.202+/-0.758 χ^2/NDF : 996697.3/5

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

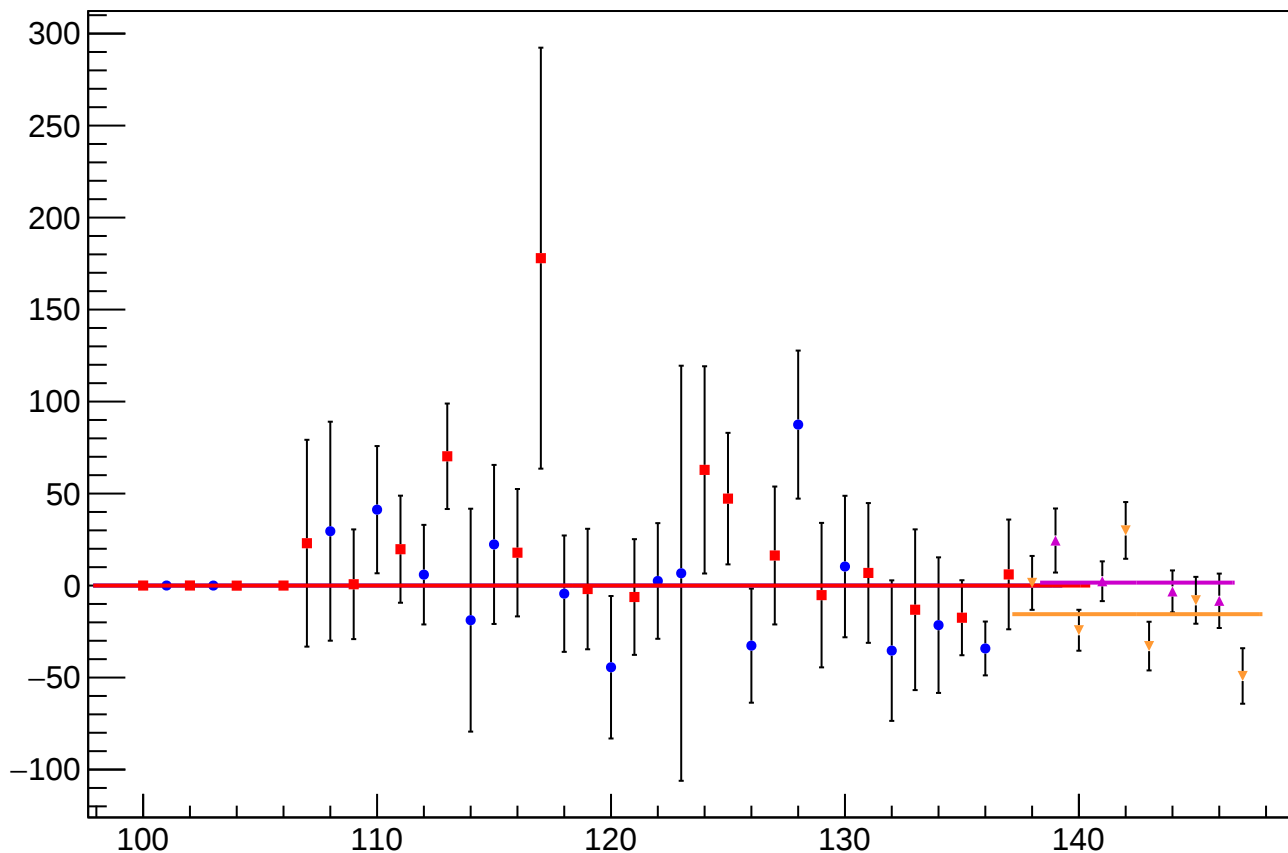
Left In: 1750.217+/-0.768 χ^2/NDF : 1024389.0/3

2140.060+/-0.553 χ^2/NDF : 6119901.1/22

2047.910+/-0.385 χ^2/NDF : 12721984.6/4

1960.954+/-0.537 χ^2/NDF : 6548087.5/23

diff_cav4bX_mean vs Slug, Sign Corrected



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

Left Out: -15.549+/-5.486 χ^2/NDF : 17.7/5

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

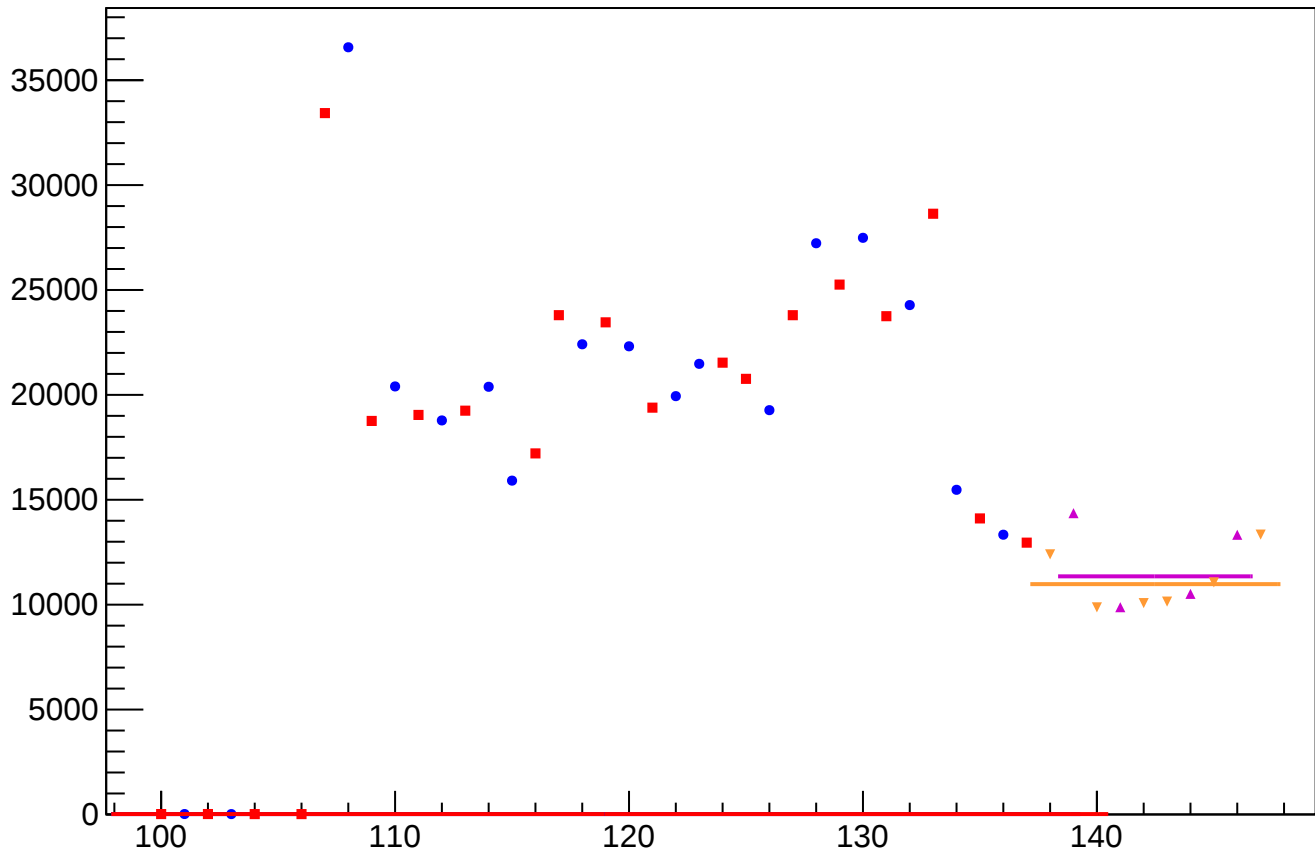
Left In: 1.598+/-6.438 χ^2/NDF : 2.4/3

0.013+/-0.017 χ^2/NDF : 41.9/22

0.004+/-0.012 χ^2/NDF : 63.1/46

-0.003+/-0.016 χ^2/NDF : 20.7/23

diff_cav4bX_rms vs Slug, Sign Corrected



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

Left Out: 10978.851 $\pm$ 3.879 χ^2/NDF : 102492.3/5

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

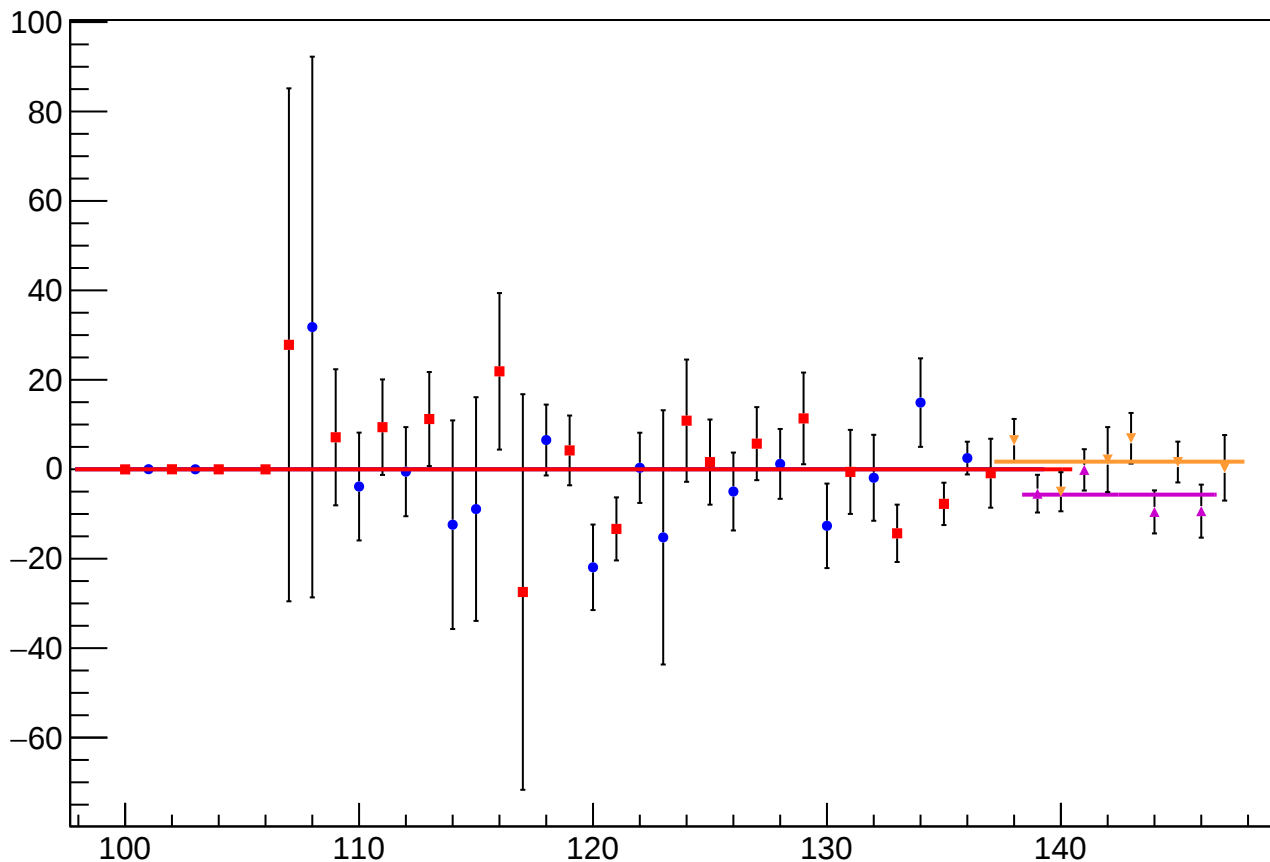
Left In: 11350.045 $\pm$ 4.552 χ^2/NDF : 143561.7/3

18.751 $\pm$ 0.012 χ^2/NDF : 19069325.5/22

18.553 $\pm$ 0.008 χ^2/NDF : 36606583.0/46

18.383 $\pm$ 0.011 χ^2/NDF : 17536771.3/23

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 ± 0.009 χ^2/NDF : 13.0/16

Left Out: 1.703 ± 2.166 χ^2/NDF : 4.3/5

Right Out: -0.014 ± 0.009 χ^2/NDF : 19.0/19

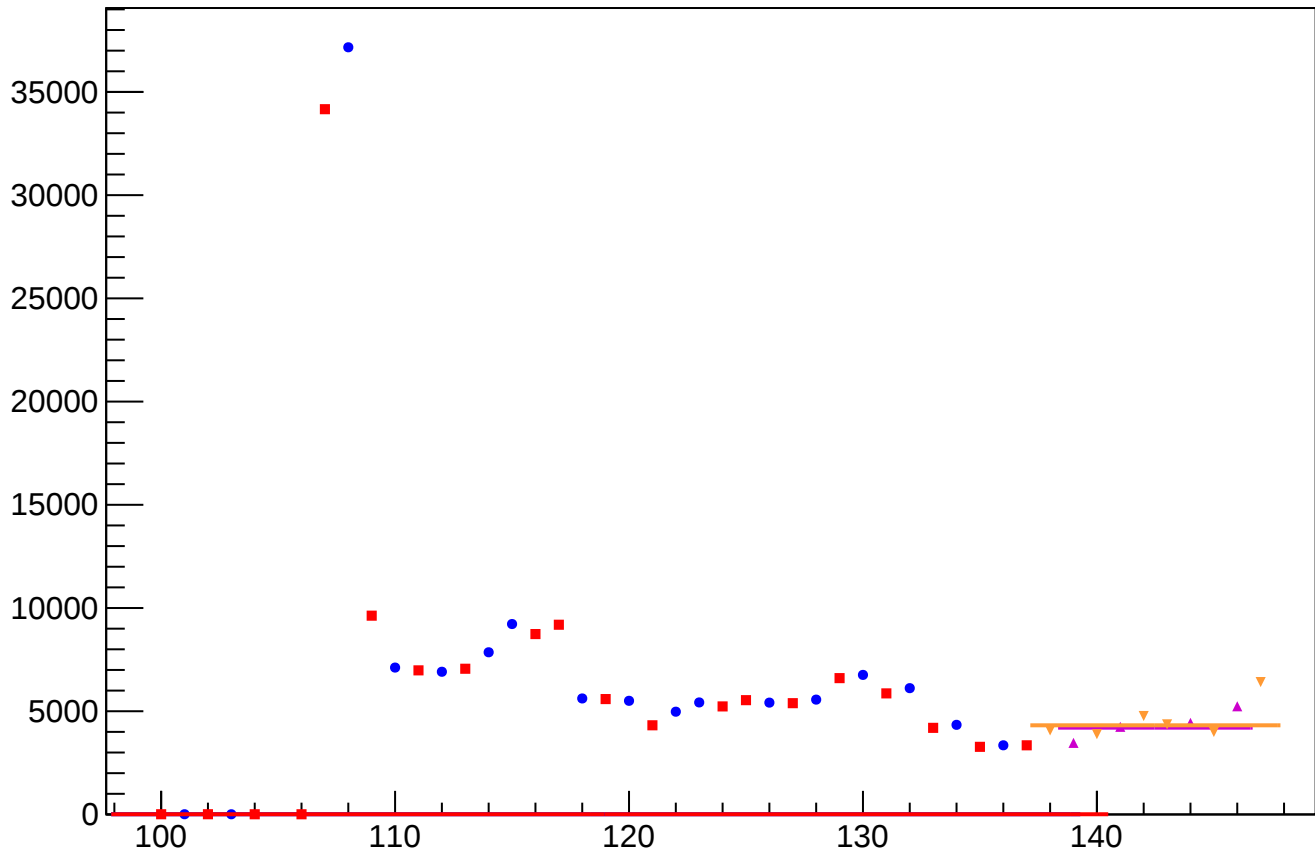
Left In: -5.674 ± 2.393 χ^2/NDF : 2.5/3

0.001 ± 0.009 χ^2/NDF : 17.9/22

-0.007 ± 0.006 χ^2/NDF : 46.4/46

-0.014 ± 0.009 χ^2/NDF : 27.0/23

diff_cav4bY_rms vs Slug, Sign Corrected



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

Left Out: 4318.458 ± 1.532 χ^2/NDF : 206036.6/5

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

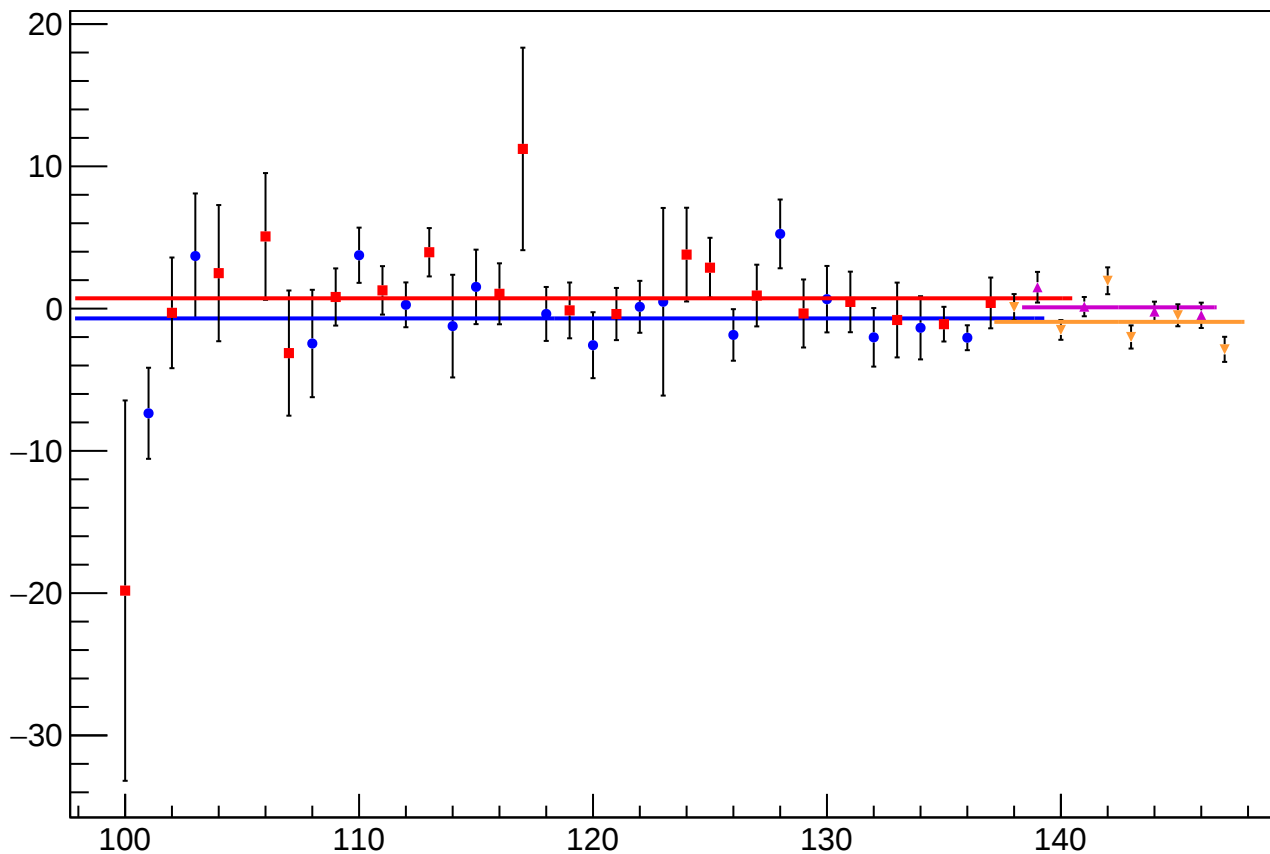
Left In: 4204.737 ± 1.692 χ^2/NDF : 126904.2/3

10.017 ± 0.007 χ^2/NDF : 19234009.7/22

9.960 ± 0.004 χ^2/NDF : 36752996.3/46

9.910 ± 0.006 χ^2/NDF : 17518842.4/23

diff_cav4cX_mean vs Slug, Sign Corrected



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

Left Out: -0.931 $\pm$ 0.336 χ^2/NDF : 18.2/5

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

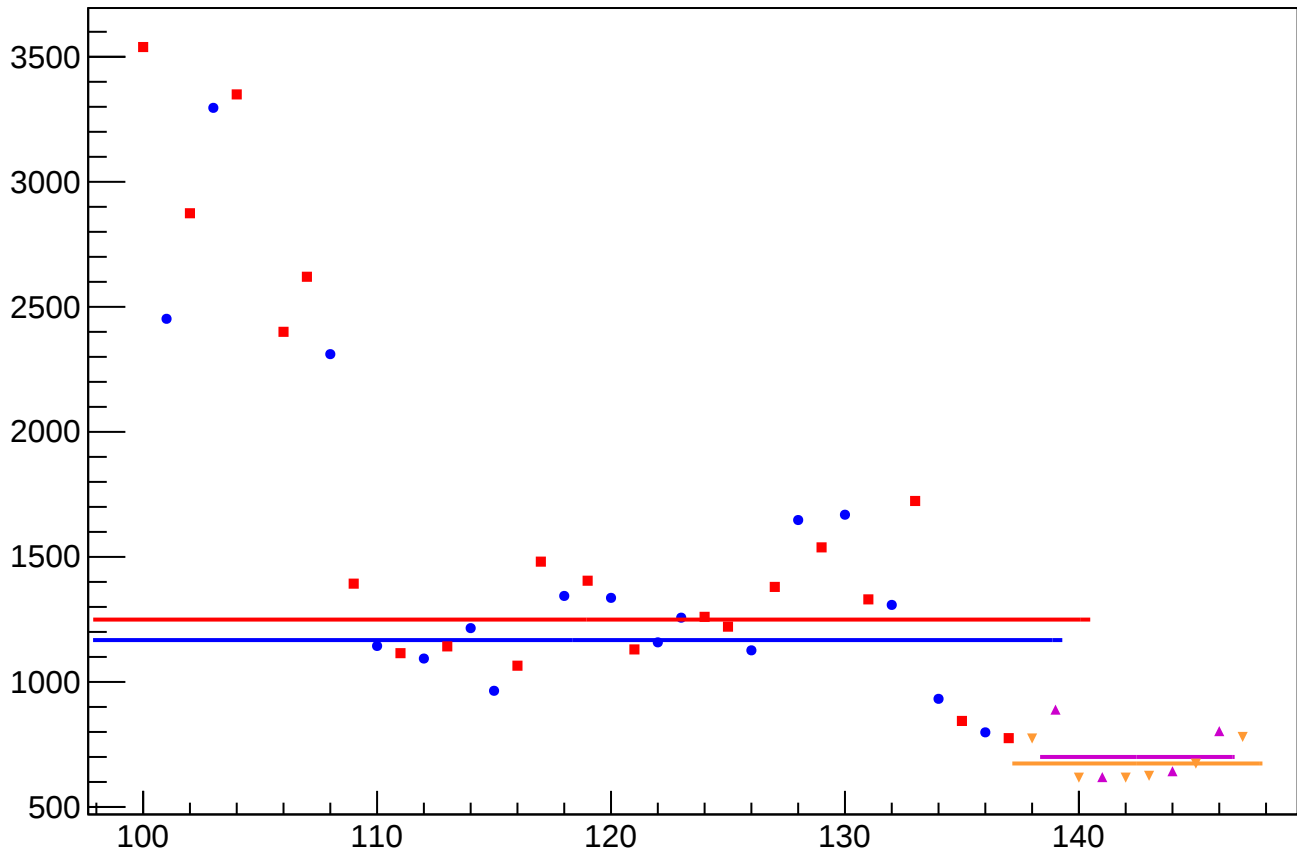
Left In: 0.090 $\pm$ 0.396 χ^2/NDF : 2.3/3

-0.852 $\pm$ 0.276 χ^2/NDF : 40.9/22

-0.329 $\pm$ 0.206 χ^2/NDF : 67.8/46

0.335 $\pm$ 0.311 χ^2/NDF : 18.8/23

diff_cav4cX_rms vs Slug, Sign Corrected



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

Left Out: 673.896 $\pm$ 0.238 χ^2/NDF : 80766.4/5

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

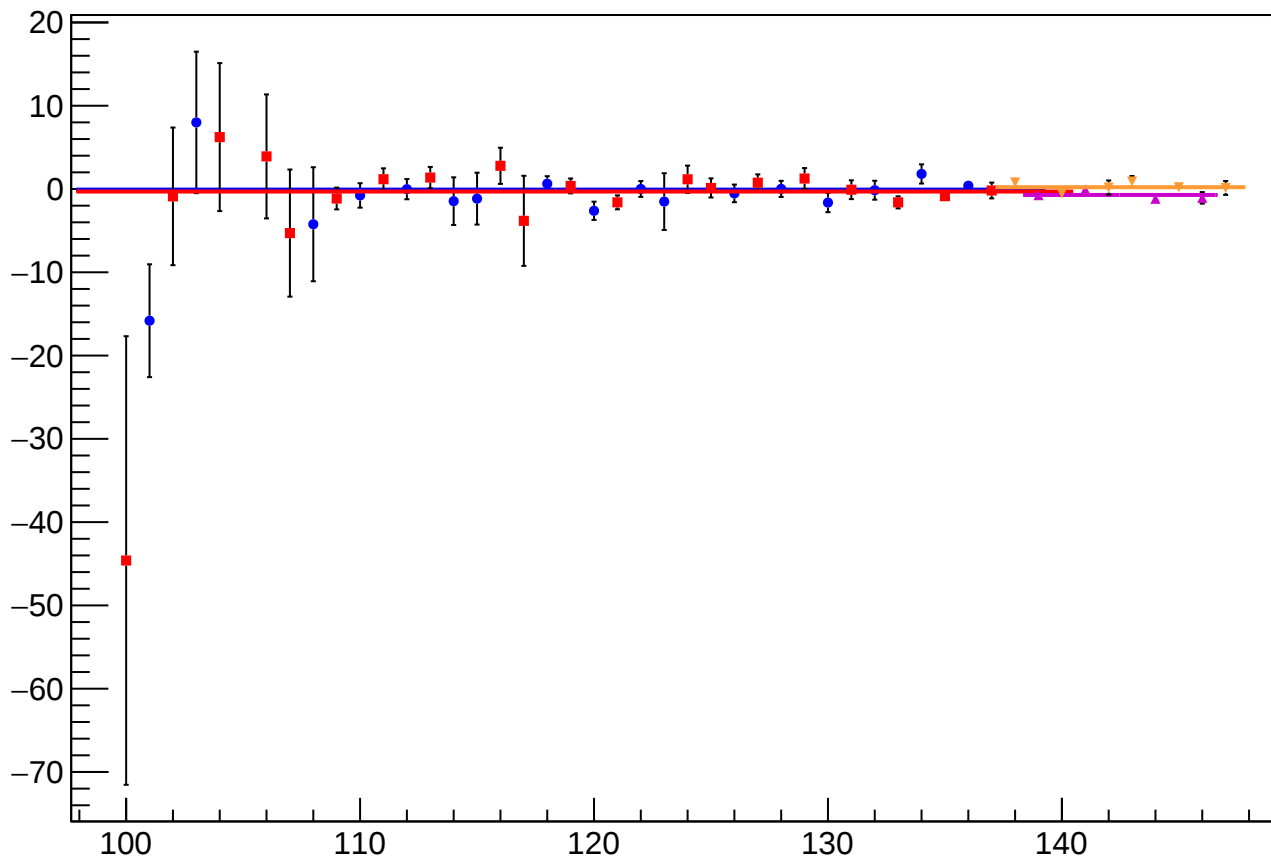
Left In: 700.036 $\pm$ 0.280 χ^2/NDF : 130250.7/3

835.161 $\pm$ 0.195 χ^2/NDF : 3068965.7/22

869.211 $\pm$ 0.146 χ^2/NDF : 6408836.1/46

912.413 $\pm$ 0.220 χ^2/NDF : 3270653.2/23

diff_cav4cY_mean vs Slug, Sign Corrected



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

Left Out: 0.219 ± 0.255 χ^2/NDF : 4.3/5

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

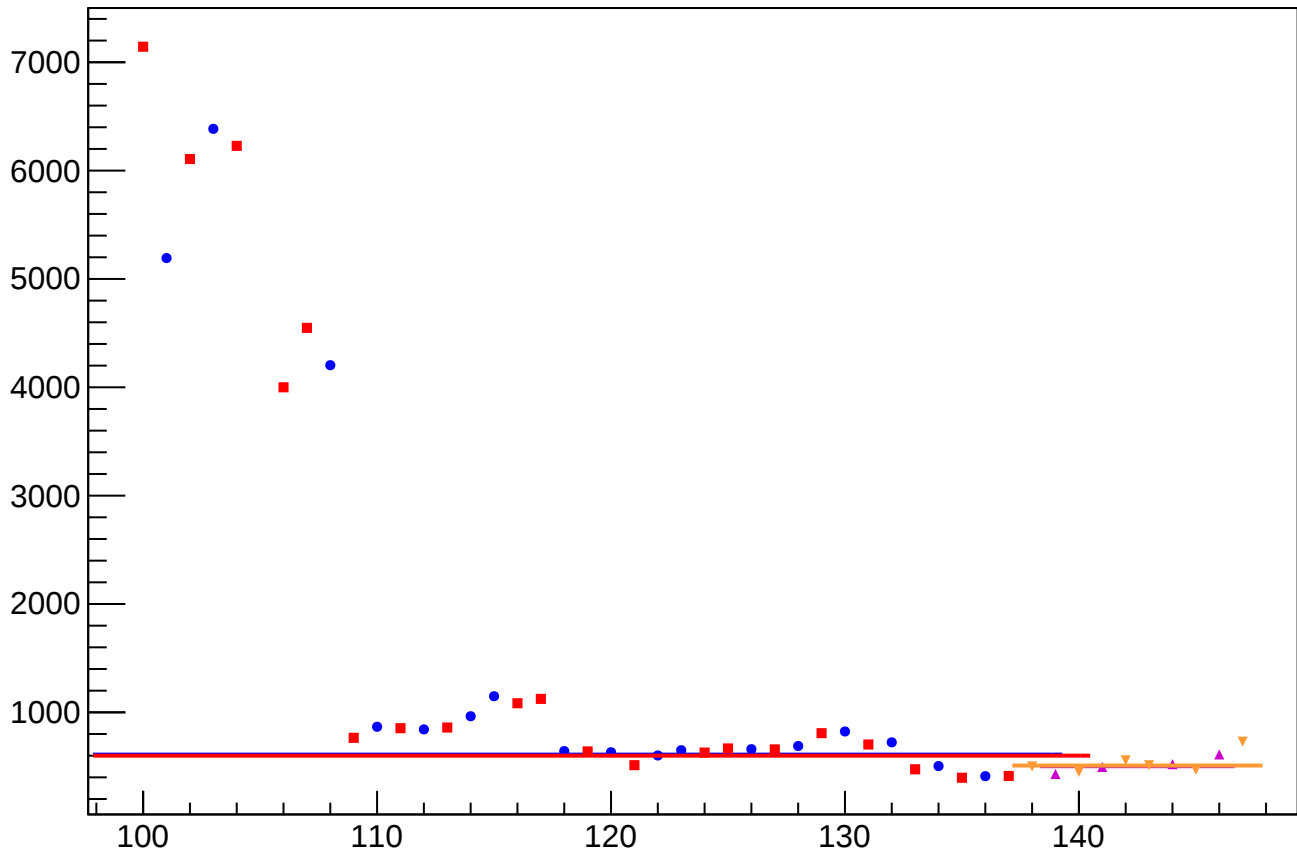
Left In: -0.714 ± 0.285 χ^2/NDF : 2.4/3

0.081 ± 0.185 χ^2/NDF : 24.1/22

-0.192 ± 0.134 χ^2/NDF : 52.8/46

-0.492 ± 0.194 χ^2/NDF : 24.2/23

diff_cav4cY_rms vs Slug, Sign Corrected



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

Left Out: 509.035 $\pm$ 0.180 χ^2 /NDF: 184887.8/5

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

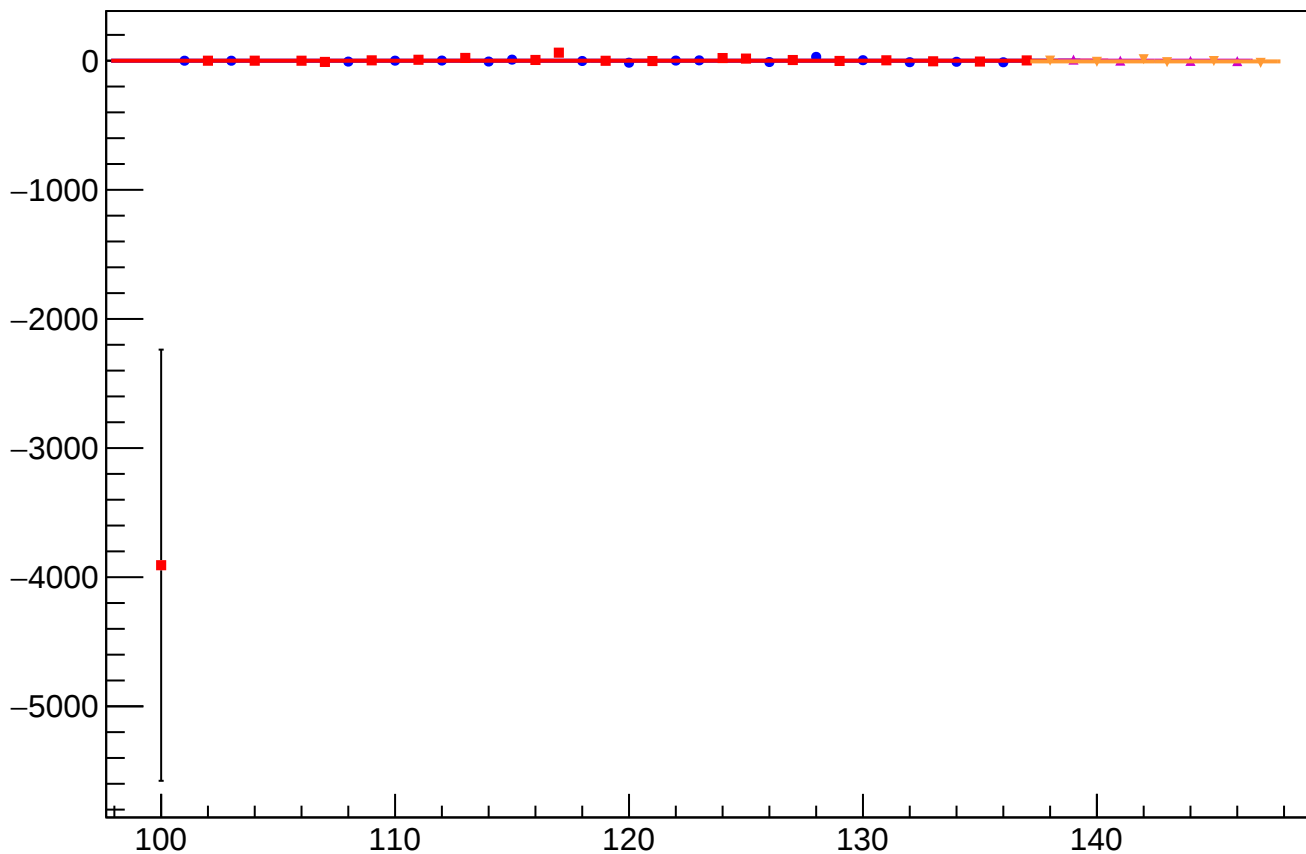
Left In: 503.063 $\pm$ 0.202 χ^2 /NDF: 89597.9/3

556.759 $\pm$ 0.131 χ^2 /NDF: 3468964.9/22

556.163 $\pm$ 0.095 χ^2 /NDF: 7255016.2/46

555.509 $\pm$ 0.137 χ^2 /NDF: 3786007.7/23

diff_cav4dX_mean vs Slug, Sign Corrected



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

Left Out: -5.343 $\pm$ 1.944 χ^2/NDF : 18.2/5

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

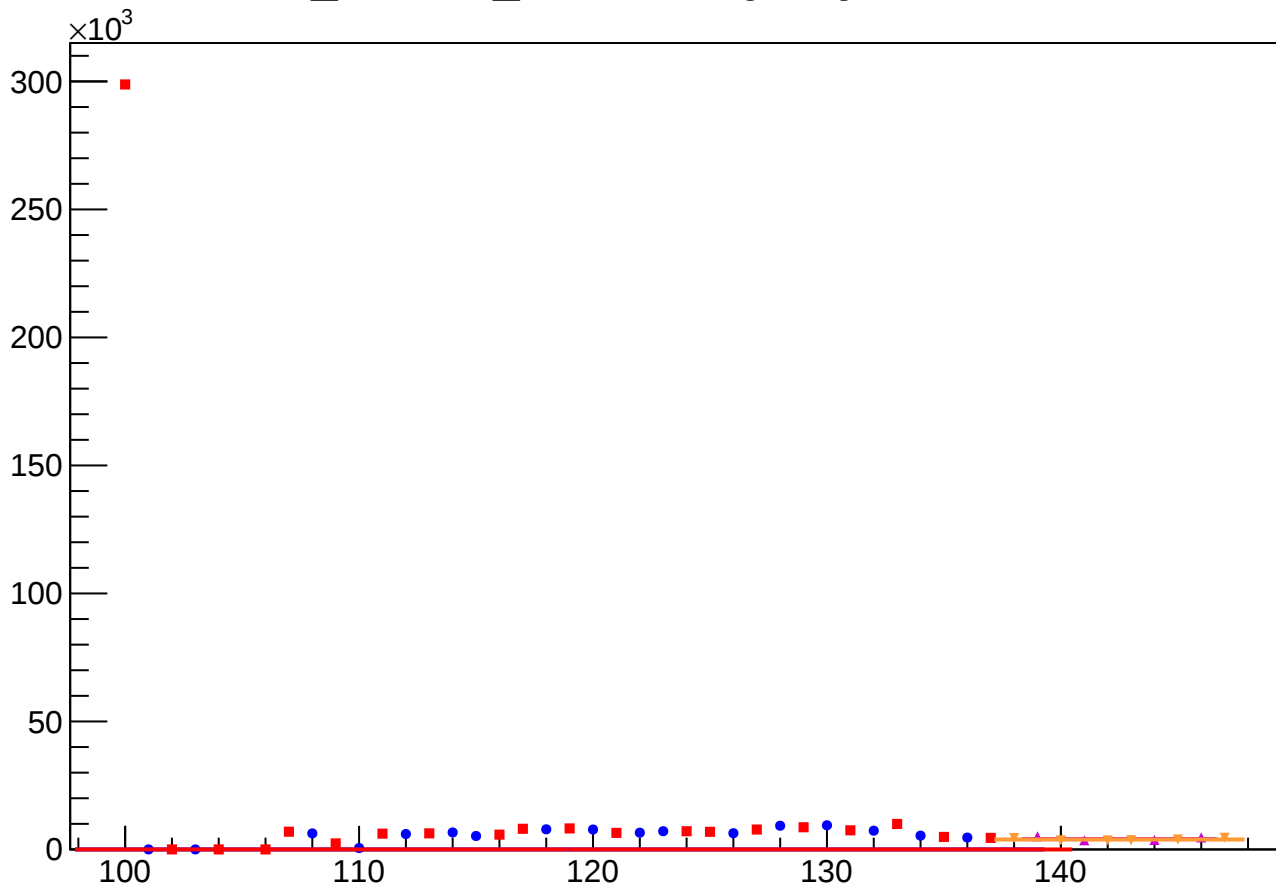
Left In: 0.480 $\pm$ 2.297 χ^2/NDF : 2.3/3

-0.022 $\pm$ 0.021 χ^2/NDF : 41.4/22

0.003 $\pm$ 0.014 χ^2/NDF : 67.1/46

0.027 $\pm$ 0.020 χ^2/NDF : 22.9/23

diff_cav4dX_rms vs Slug, Sign Corrected



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

Left Out: 3896.056 $\pm$ 1.374 χ^2 /NDF: 84134.7/5

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

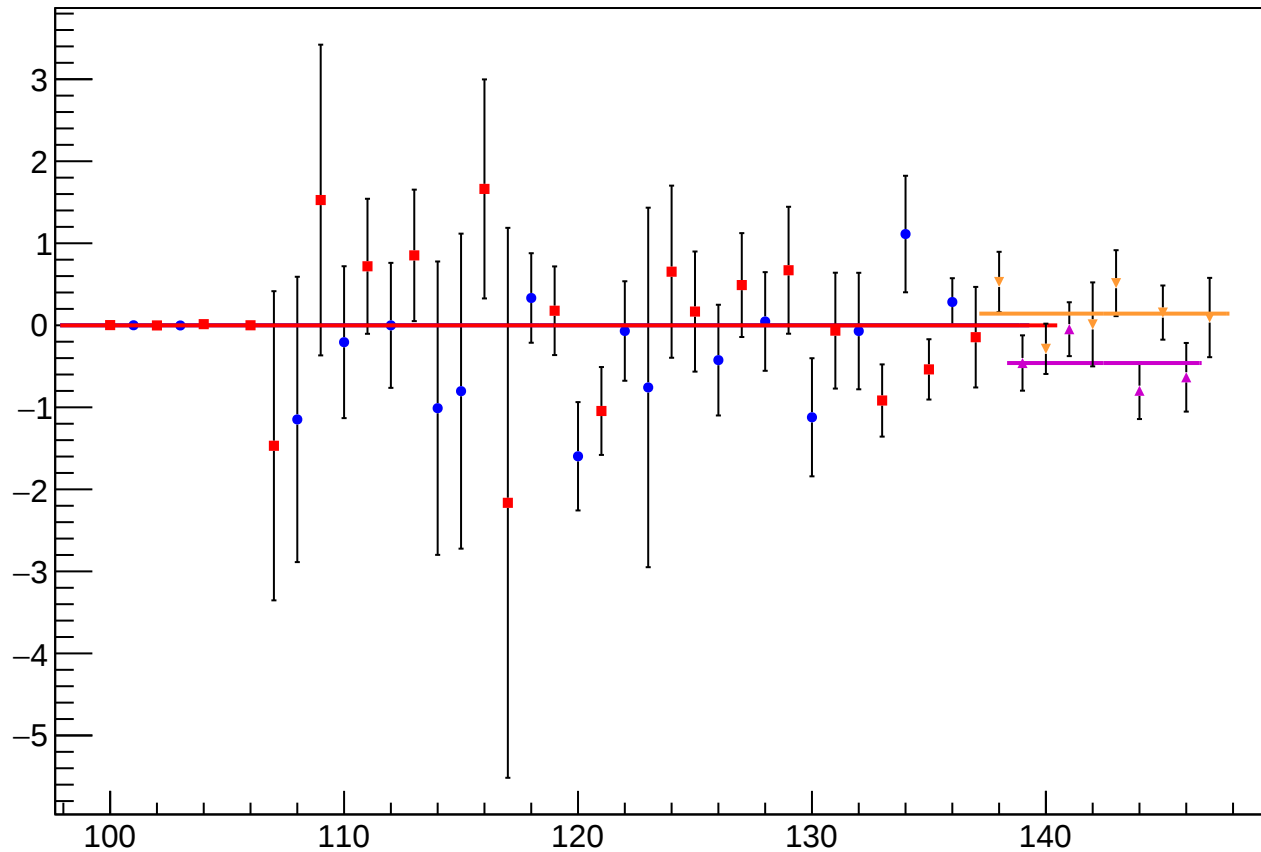
Left In: 4054.425 $\pm$ 1.624 χ^2 /NDF: 132179.9/3

17.785 $\pm$ 0.015 χ^2 /NDF: 18550307.9/22

17.672 $\pm$ 0.010 χ^2 /NDF: 35768127.3/46

17.570 $\pm$ 0.014 χ^2 /NDF: 17217707.6/23

diff_cav4dY_mean vs Slug, Sign Corrected



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

Left Out: 0.142 $\pm$ 0.155 χ^2 /NDF: 4.0/5

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

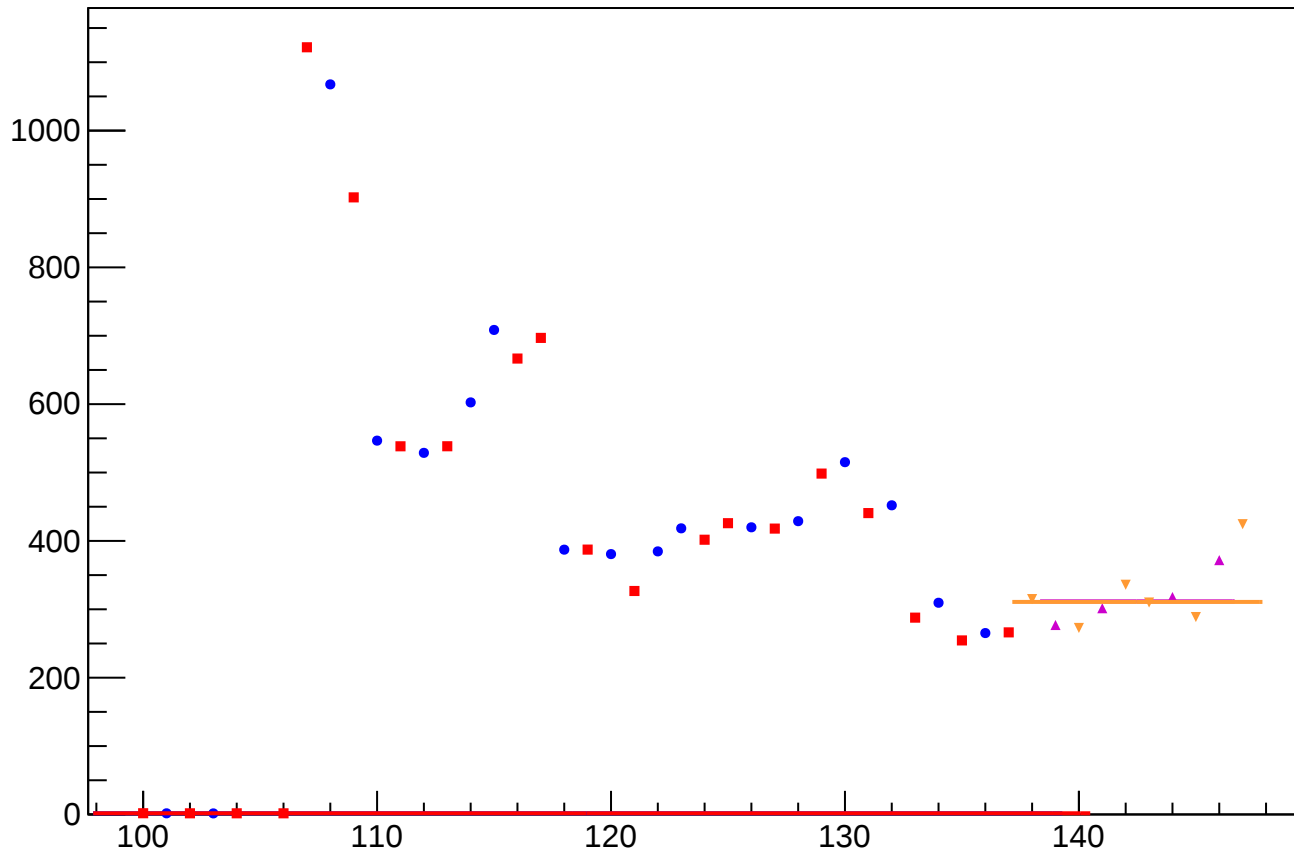
Left In: -0.460 $\pm$ 0.176 χ^2 /NDF: 2.7/3

0.000 $\pm$ 0.002 χ^2 /NDF: 18.6/22

-0.000 $\pm$ 0.001 χ^2 /NDF: 46.6/46

-0.001 $\pm$ 0.002 χ^2 /NDF: 27.8/23

diff_cav4dY_rms vs Slug, Sign Corrected



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

Left Out: 310.795 ± 0.110 χ^2/NDF : 155407.5/5

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

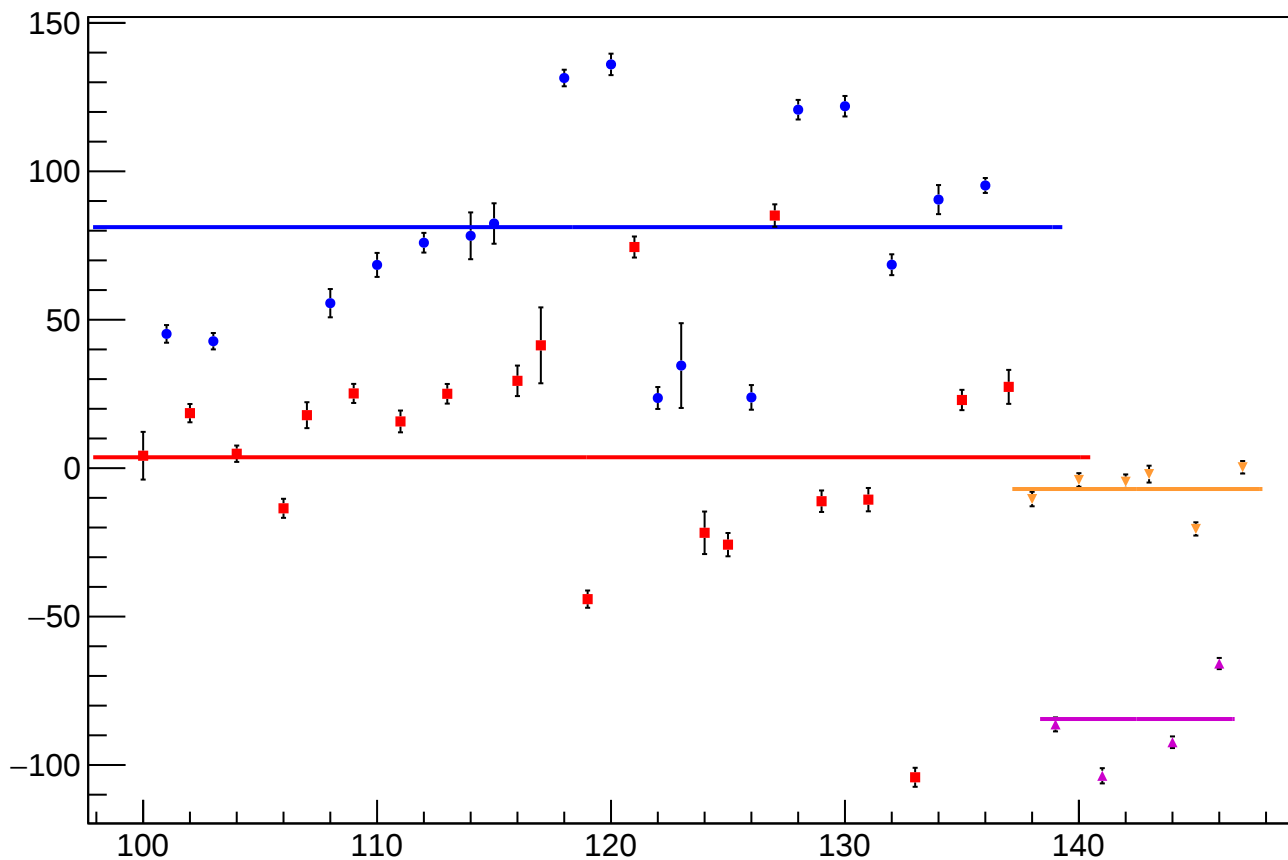
Left In: 311.640 ± 0.125 χ^2/NDF : 65070.1/3

1.752 ± 0.001 χ^2/NDF : 19133287.4/22

1.759 ± 0.001 χ^2/NDF : 36207135.5/46

1.766 ± 0.001 χ^2/NDF : 17073795.7/23

diff_bpm0i01X_mean vs Slug, Sign Corrected



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

Left Out: -7.022 $\pm$ 0.965 χ^2/NDF : 56.1/5

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

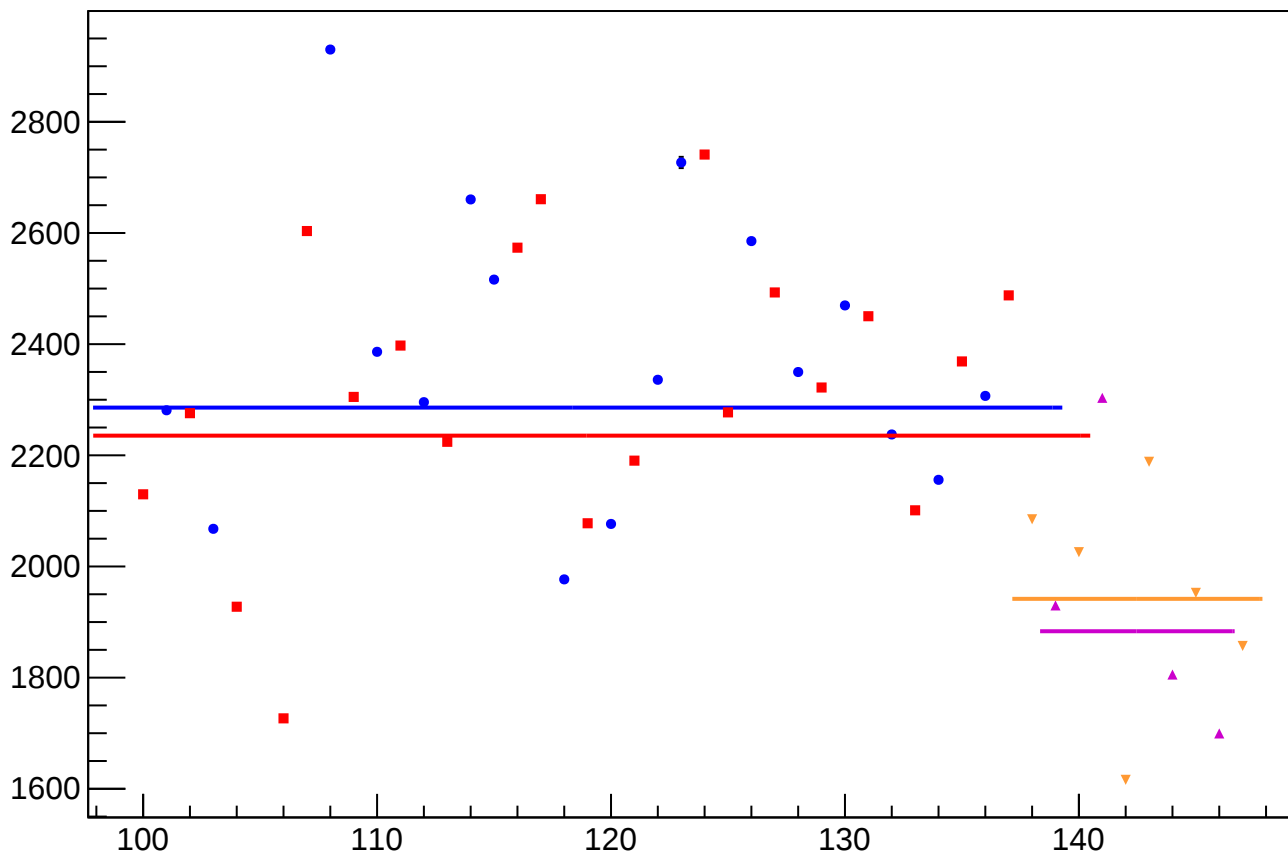
Left In: -84.509 $\pm$ 1.071 χ^2/NDF : 170.2/3

40.884 $\pm$ 0.653 χ^2/NDF : 6300.1/22

5.920 $\pm$ 0.464 χ^2/NDF : 19090.2/46

-29.964 $\pm$ 0.661 χ^2/NDF : 6974.7/23

diff_bpm0i01X_rms vs Slug, Sign Corrected



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

Left Out: 1941.765 +/- 0.683 χ^2/NDF : 62845.4/5

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

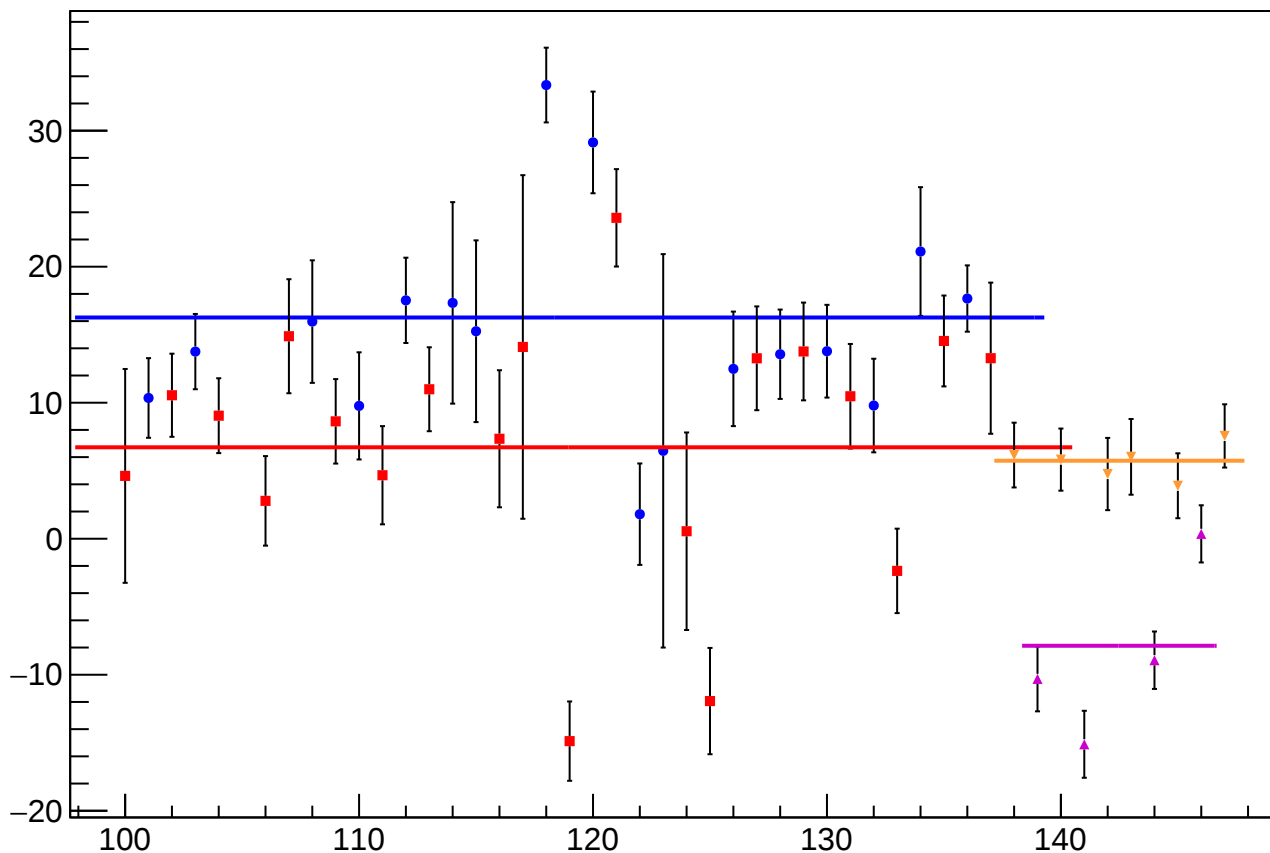
Left In: 1883.469 +/- 0.757 χ^2/NDF : 76410.9/3

2128.612 +/- 0.462 χ^2/NDF : 310128.3/22

2115.061 +/- 0.328 χ^2/NDF : 671044.1/46

2101.154 +/- 0.468 χ^2/NDF : 359168.8/23

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.265 ± 0.872 $\chi^2/\text{NDF}: 80.8/16$

Left Out: 5.736 ± 1.000 $\chi^2/\text{NDF}: 1.4/5$

Right Out: 6.722 ± 0.829 $\chi^2/\text{NDF}: 134.3/19$

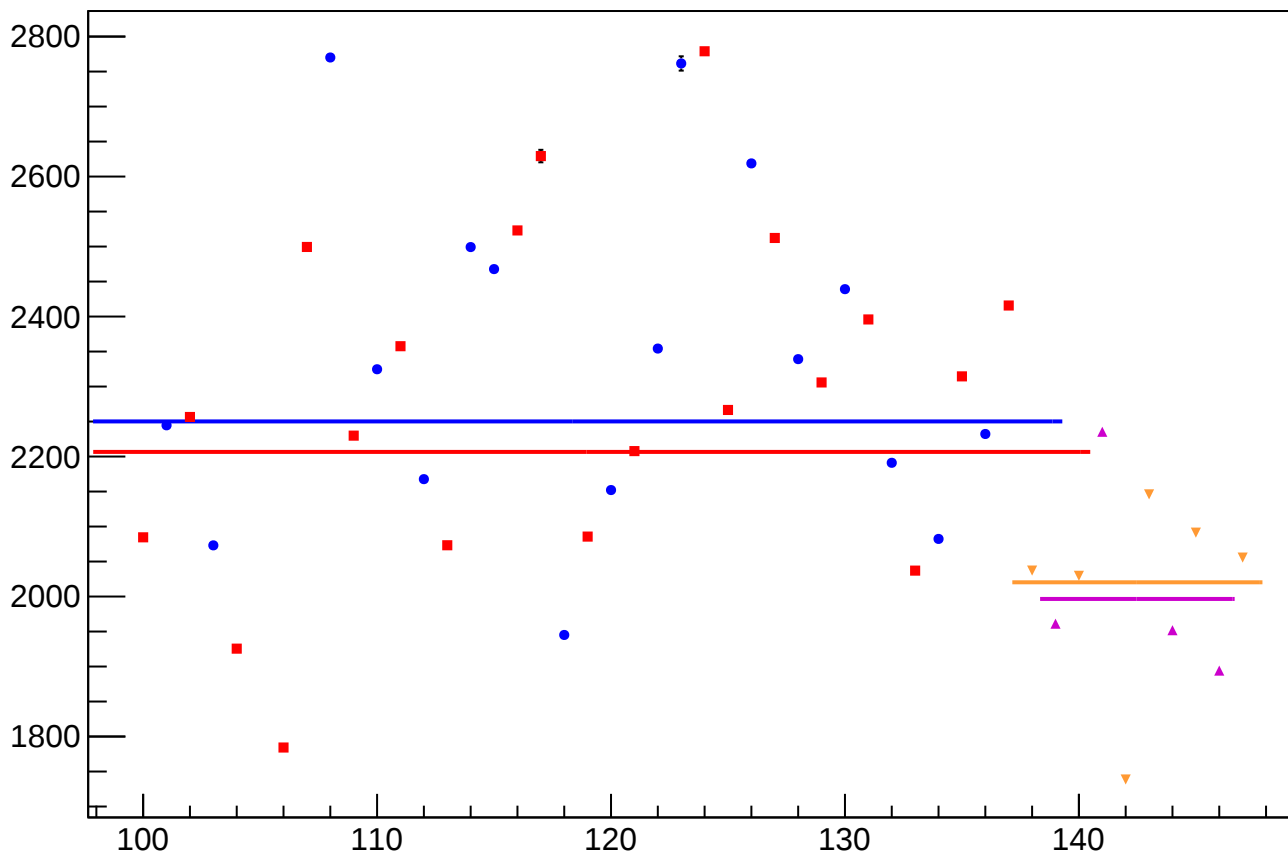
Left In: -7.869 ± 1.124 $\chi^2/\text{NDF}: 25.3/3$

11.722 ± 0.657 $\chi^2/\text{NDF}: 145.2/22$

6.729 ± 0.468 $\chi^2/\text{NDF}: 531.2/46$

1.582 ± 0.667 $\chi^2/\text{NDF}: 268.7/23$

diff_bpm0i01Y_rms vs Slug, Sign Corrected



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

Left Out: 2020.333 $\pm$ 0.707 χ^2/NDF : 28932.5/5

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

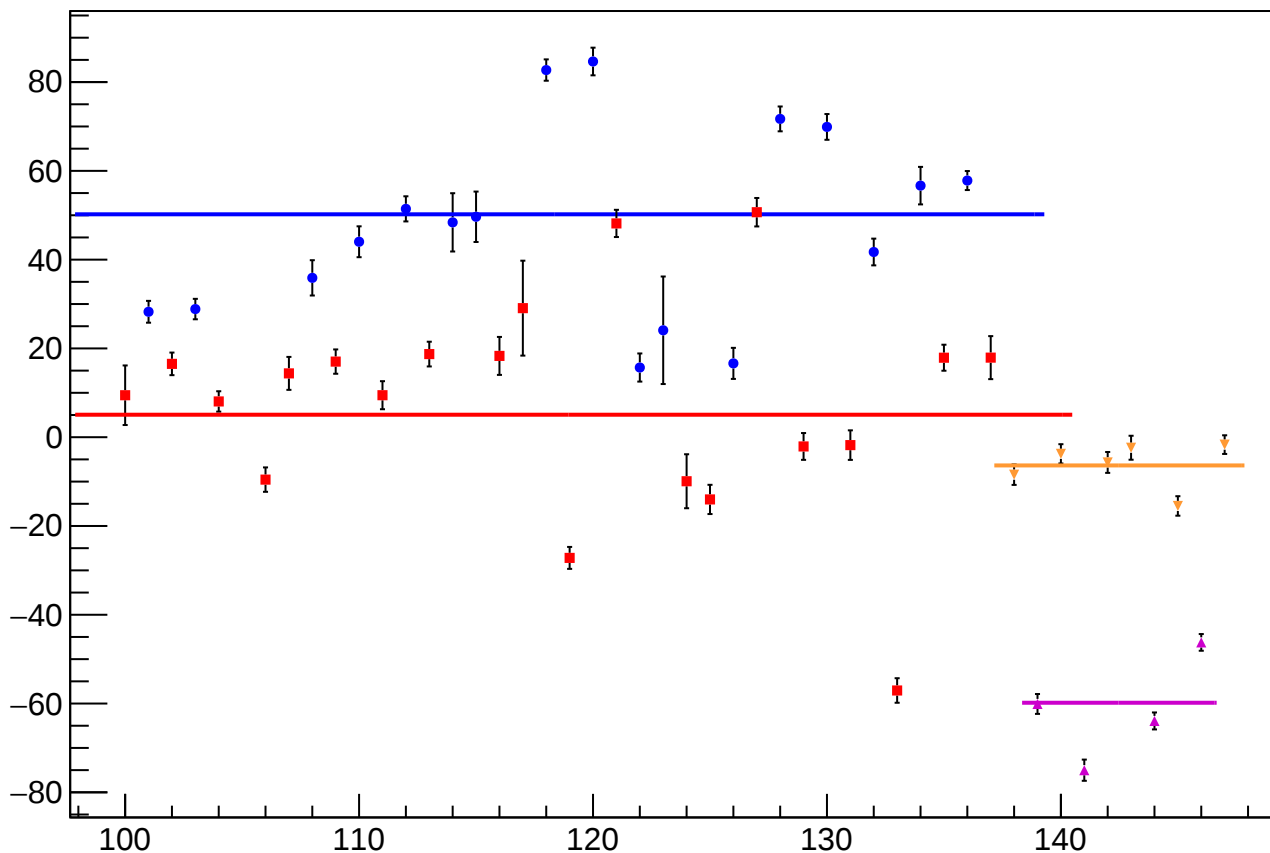
Left In: 1996.557 $\pm$ 0.795 χ^2/NDF : 24904.1/3

2150.995 $\pm$ 0.465 χ^2/NDF : 186536.8/22

2141.943 $\pm$ 0.331 χ^2/NDF : 385932.7/46

2132.612 $\pm$ 0.472 χ^2/NDF : 198625.1/23

diff_bpm0i01aX_mean vs Slug, Sign Corrected



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

Left Out: -6.359+/-0.932 χ^2/NDF : 26.8/5

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

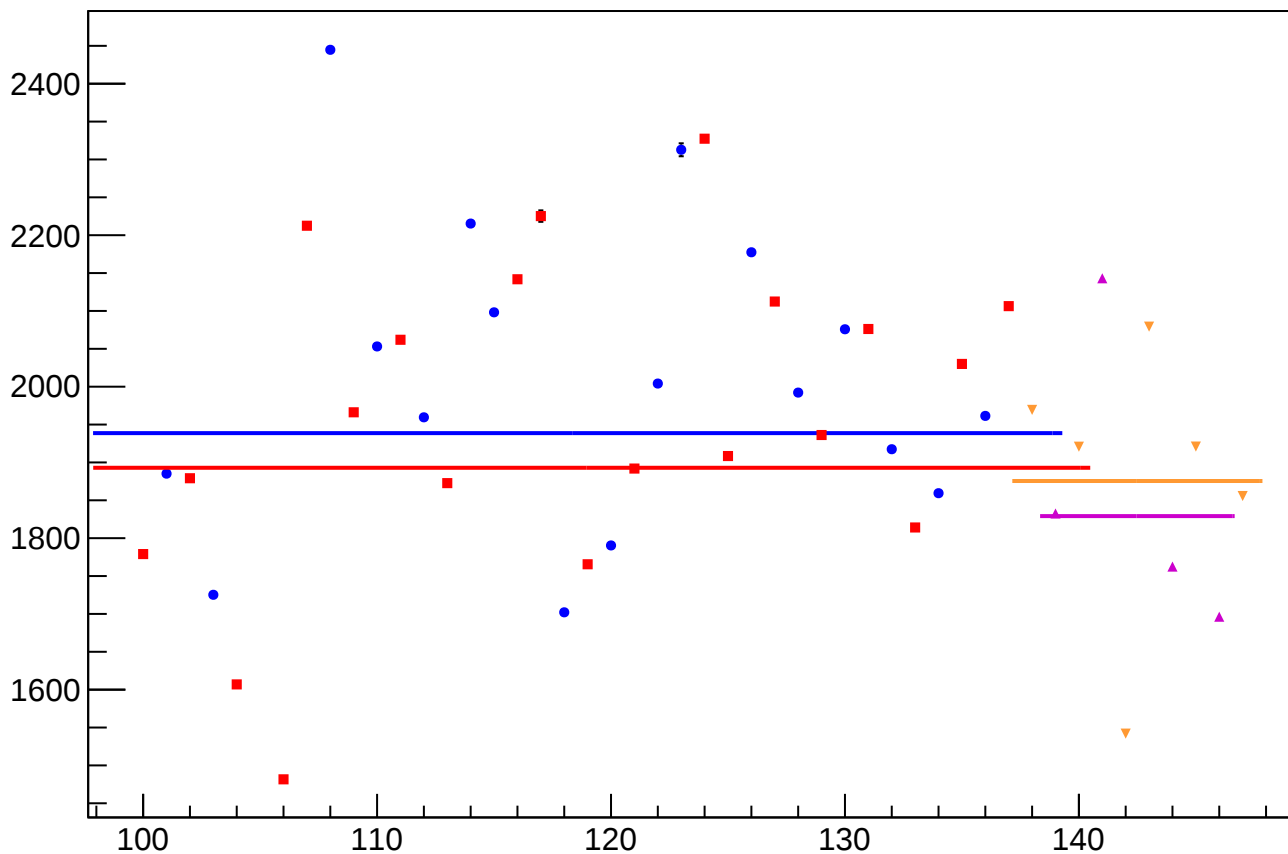
Left In: -59.823+/-1.036 χ^2/NDF : 97.3/3

27.939+/-0.585 χ^2/NDF : 3092.8/22

6.182+/-0.414 χ^2/NDF : 9902.5/46

-15.737+/-0.587 χ^2/NDF : 4028.8/23

diff_bpm0i01aX_rms vs Slug, Sign Corrected



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

Left Out: 1875.473 $\pm$ 0.659 χ^2/NDF : 56808.6/5

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

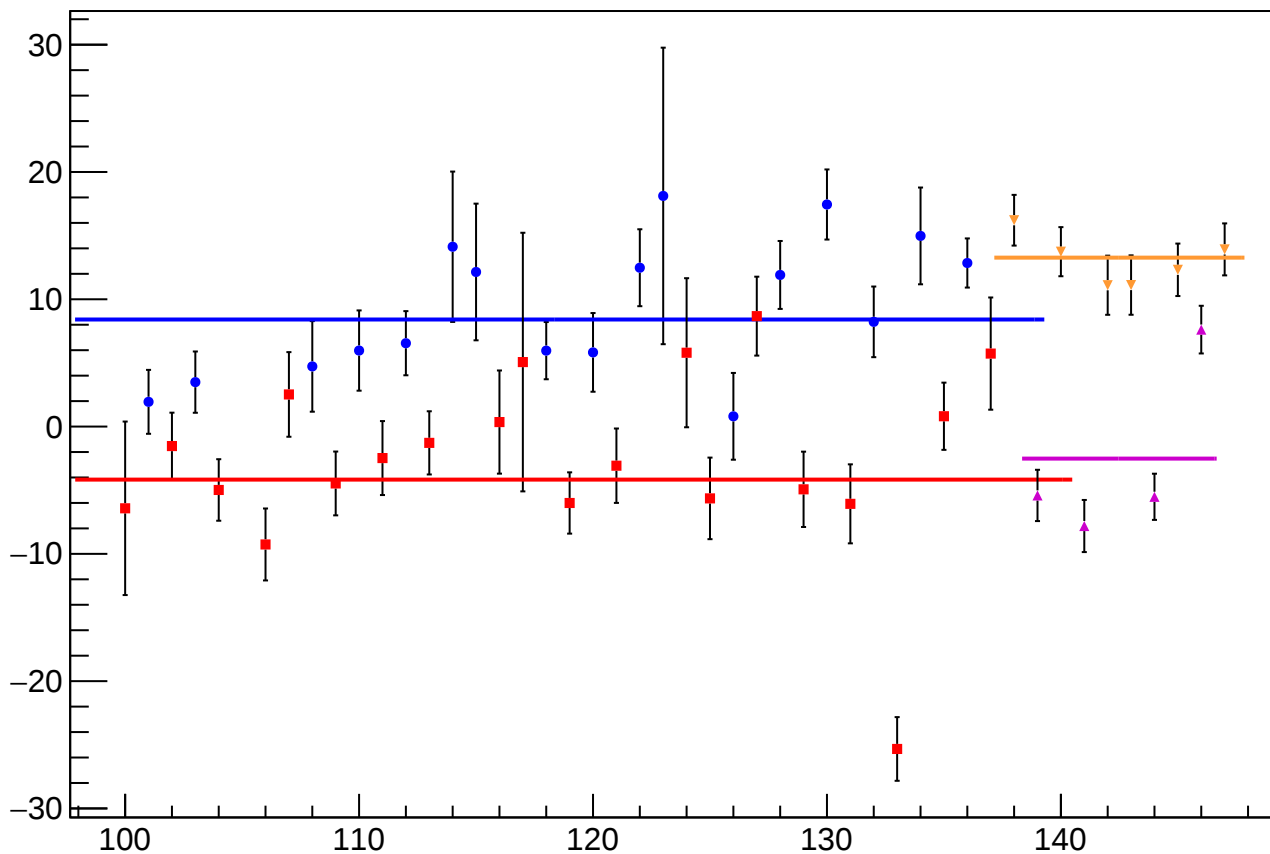
Left In: 1829.138 $\pm$ 0.733 χ^2/NDF : 46972.7/3

1913.798 $\pm$ 0.413 χ^2/NDF : 162534.5/22

1893.220 $\pm$ 0.293 χ^2/NDF : 368196.8/46

1872.491 $\pm$ 0.415 χ^2/NDF : 200687.7/23

diff_bpm0i01aY_mean vs Slug, Sign Corrected



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

Left Out: 13.271 $\pm$ 0.856 χ^2/NDF : 4.3/5

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

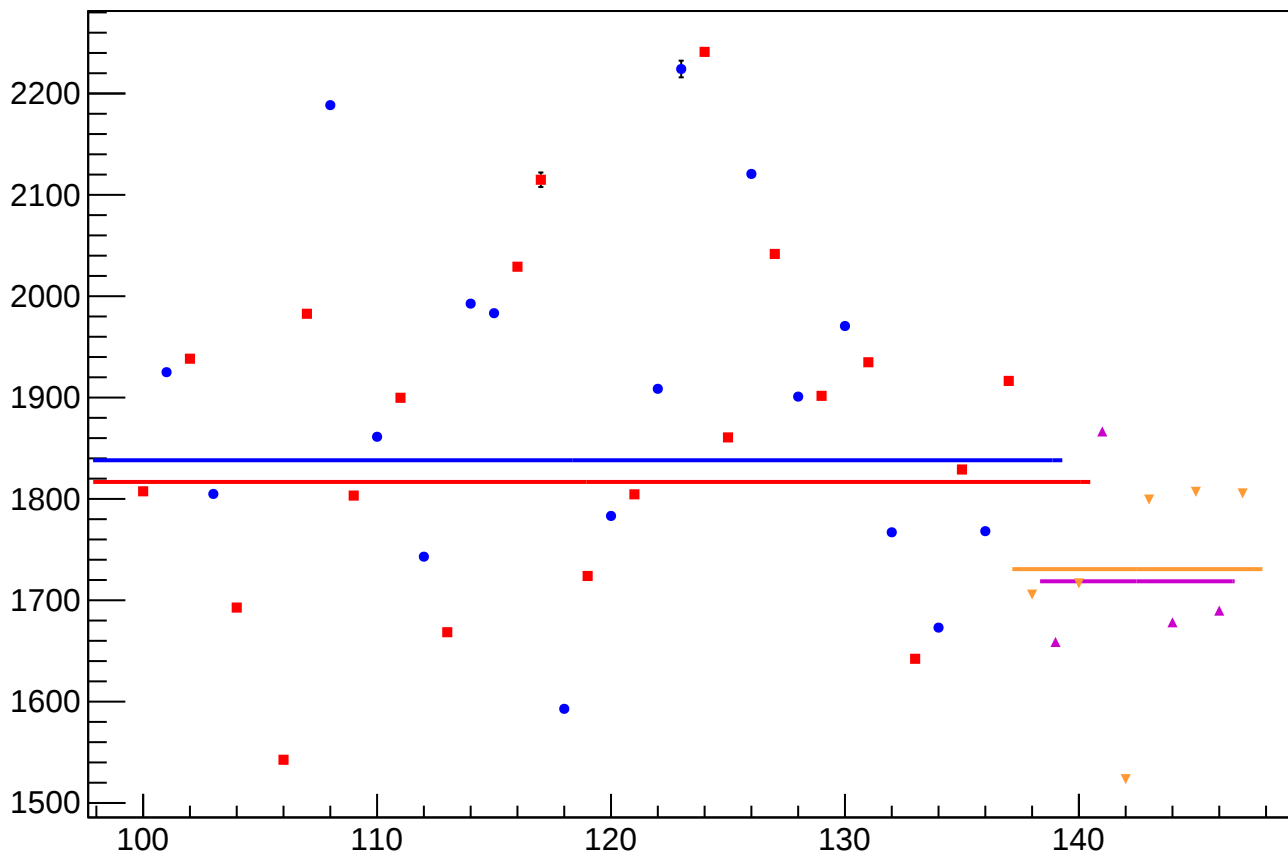
Left In: -2.517 $\pm$ 0.965 χ^2/NDF : 40.8/3

10.396 $\pm$ 0.547 χ^2/NDF : 67.9/22

3.507 $\pm$ 0.390 χ^2/NDF : 547.2/46

-3.618 $\pm$ 0.556 χ^2/NDF : 156.6/23

diff_bpm0i01aY_rms vs Slug, Sign Corrected



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

Left Out: 1730.729 $\pm$ 0.605 χ^2/NDF : 23468.0/5

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

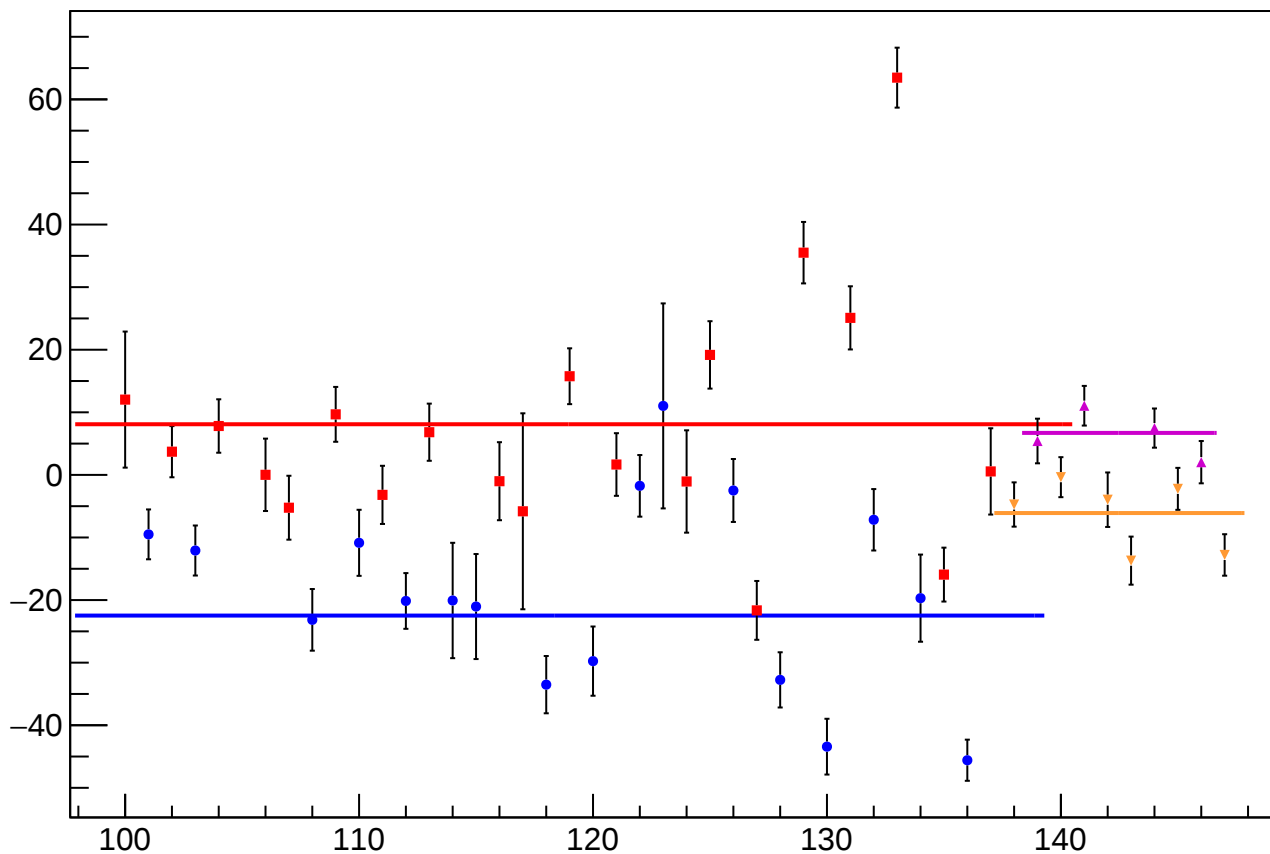
Left In: 1718.729 $\pm$ 0.682 χ^2/NDF : 13668.9/3

1794.271 $\pm$ 0.387 χ^2/NDF : 124979.1/22

1789.305 $\pm$ 0.276 χ^2/NDF : 241909.9/46

1784.170 $\pm$ 0.393 χ^2/NDF : 116595.6/23

diff_bpm0l01X_mean vs Slug, Sign Corrected



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

Left Out: -6.095 $\pm$ 1.446 χ^2/NDF : 12.9/5

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

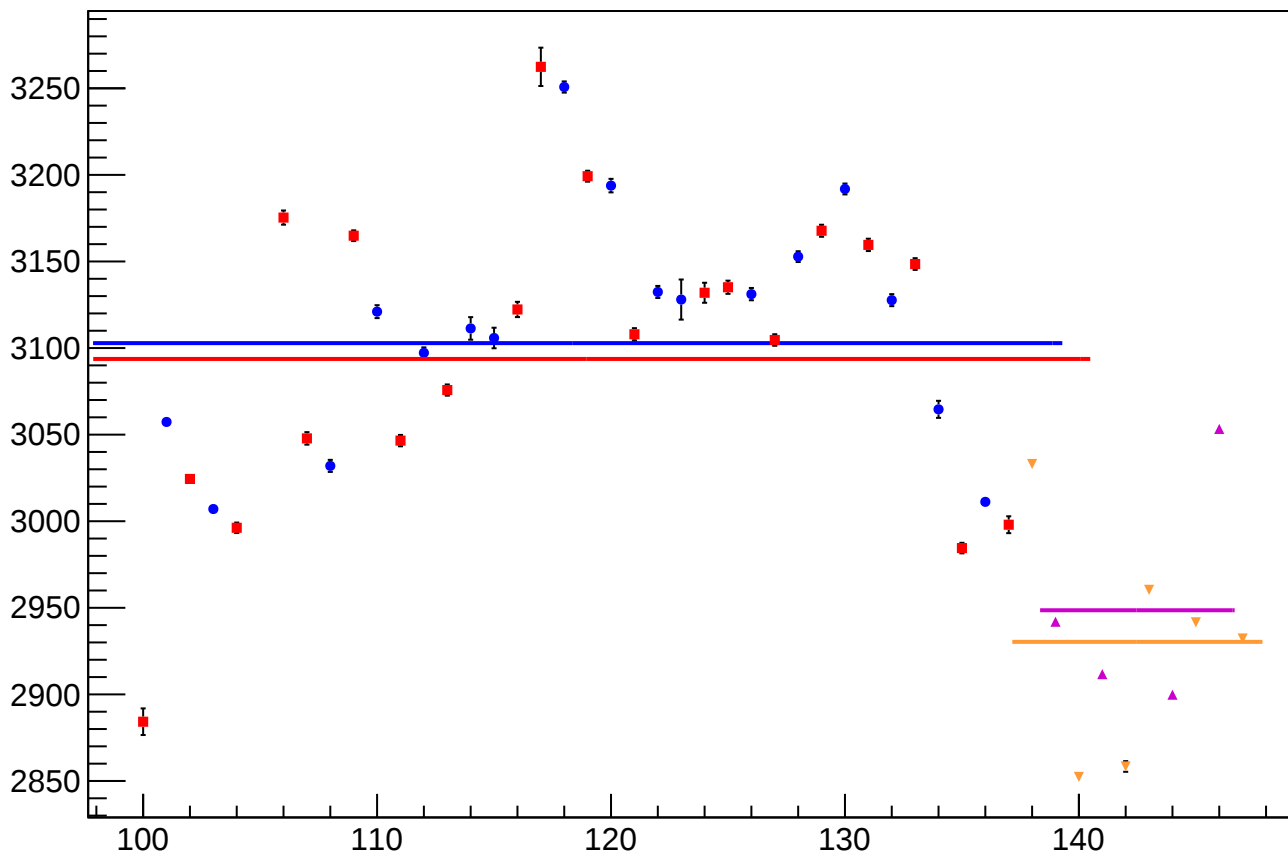
Left In: 6.709 $\pm$ 1.649 χ^2/NDF : 4.0/3

-15.829 $\pm$ 0.921 χ^2/NDF : 244.0/22

-4.399 $\pm$ 0.660 χ^2/NDF : 842.4/46

7.638 $\pm$ 0.945 χ^2/NDF : 282.2/23

diff_bpm0l01X_rms vs Slug, Sign Corrected



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

Left Out: 2930.340 $\pm$ 1.022 χ^2 /NDF: 3569.7/5

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

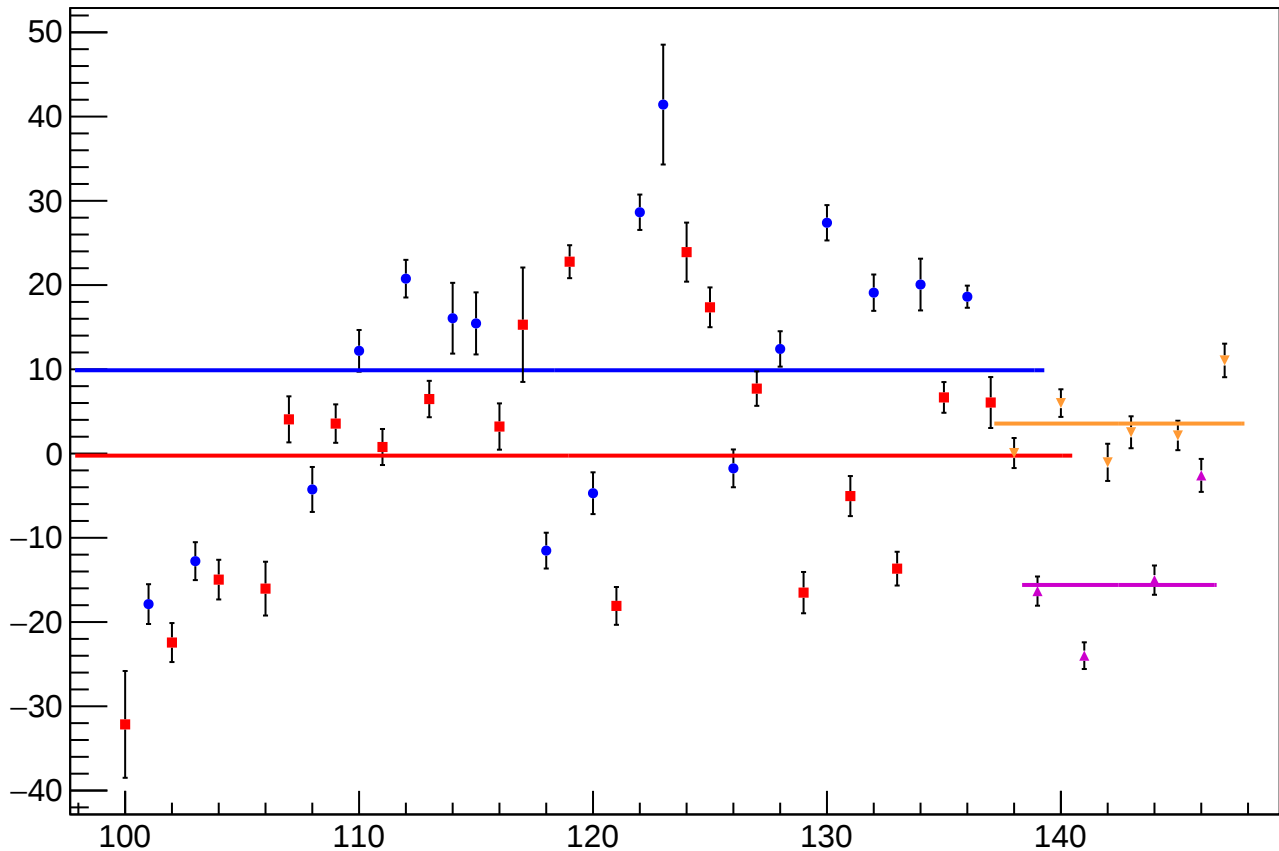
Left In: 2948.585 $\pm$ 1.166 χ^2 /NDF: 2684.0/3

3032.842 $\pm$ 0.651 χ^2 /NDF: 27835.0/22

3039.264 $\pm$ 0.466 χ^2 /NDF: 49120.9/46

3046.027 $\pm$ 0.668 χ^2 /NDF: 21086.2/23

diff_bpm0l01Y_mean vs Slug, Sign Corrected



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

Left Out: 3.560+/-0.756 χ^2/NDF : 25.5/5

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

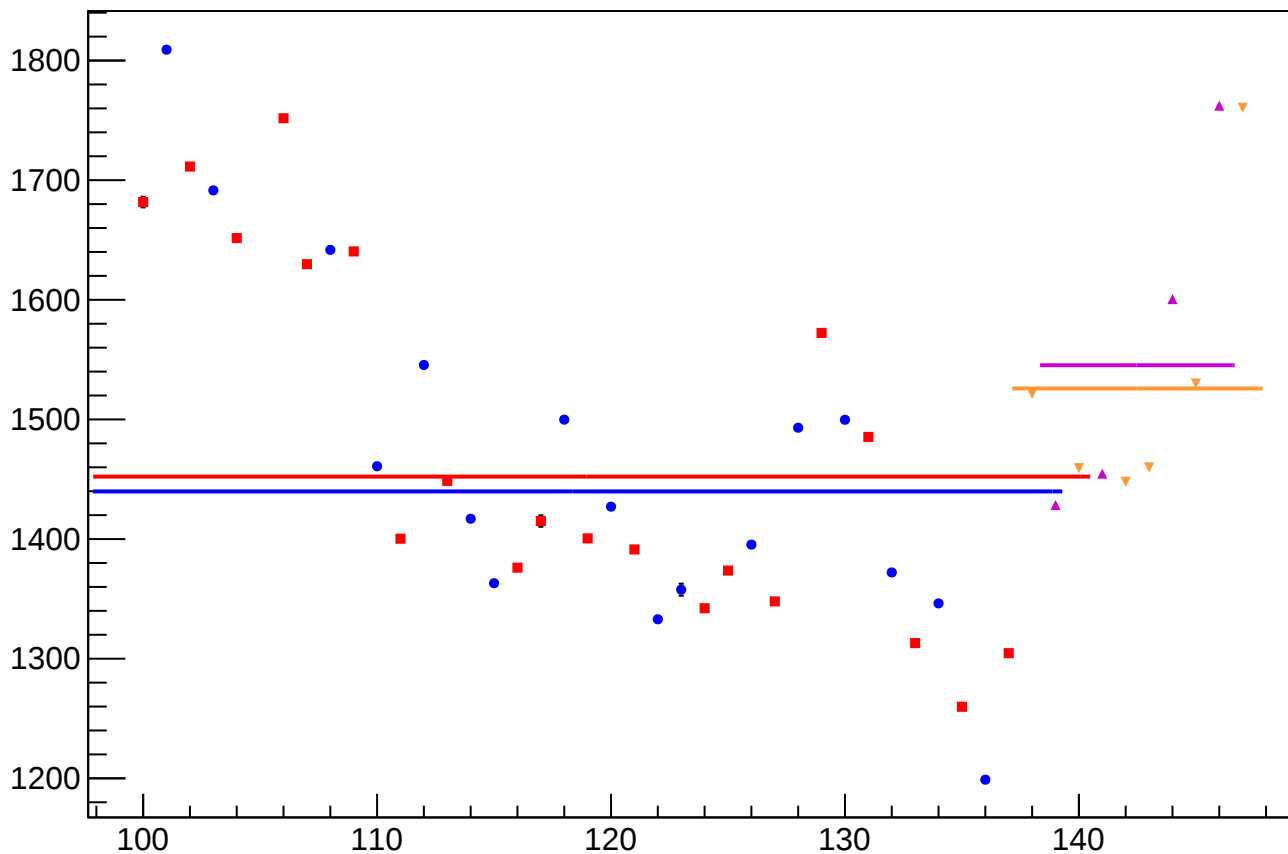
Left In: -15.597+/-0.869 χ^2/NDF : 72.5/3

7.648+/-0.450 χ^2/NDF : 774.4/22

1.697+/-0.322 χ^2/NDF : 2064.7/46

-4.579+/-0.462 χ^2/NDF : 930.5/23

diff_bpm0l01Y_rms vs Slug, Sign Corrected



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

Left Out: 1525.878 $\pm$ 0.534 χ^2/NDF : 36035.9/5

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

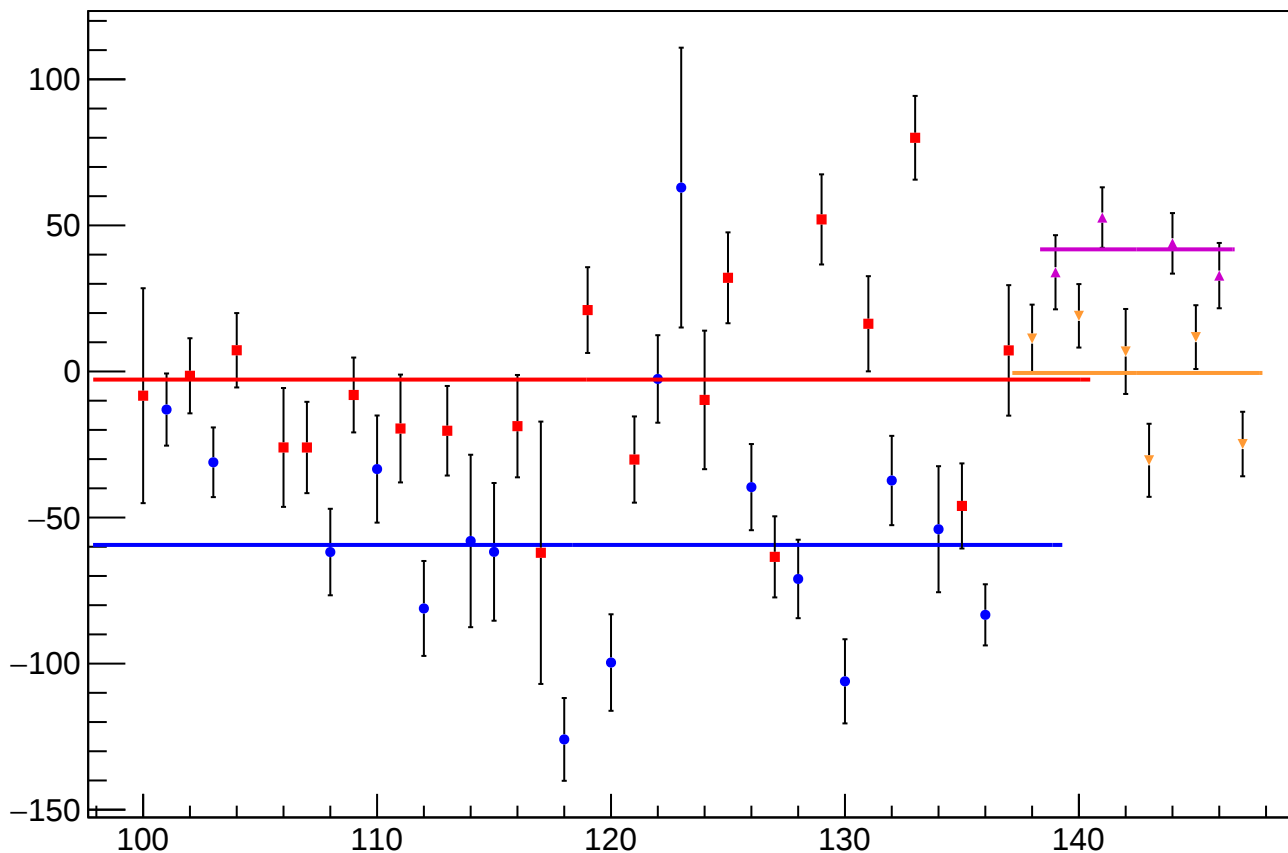
Left In: 1545.315 $\pm$ 0.615 χ^2/NDF : 42267.0/3

1470.285 $\pm$ 0.318 χ^2/NDF : 225606.7/22

1474.280 $\pm$ 0.228 χ^2/NDF : 423246.9/46

1478.493 $\pm$ 0.327 χ^2/NDF : 197315.9/23

diff_bpm0l02X_mean vs Slug, Sign Corrected



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

Left Out: -0.509 $\pm$ 4.789 χ^2/NDF : 16.4/5

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

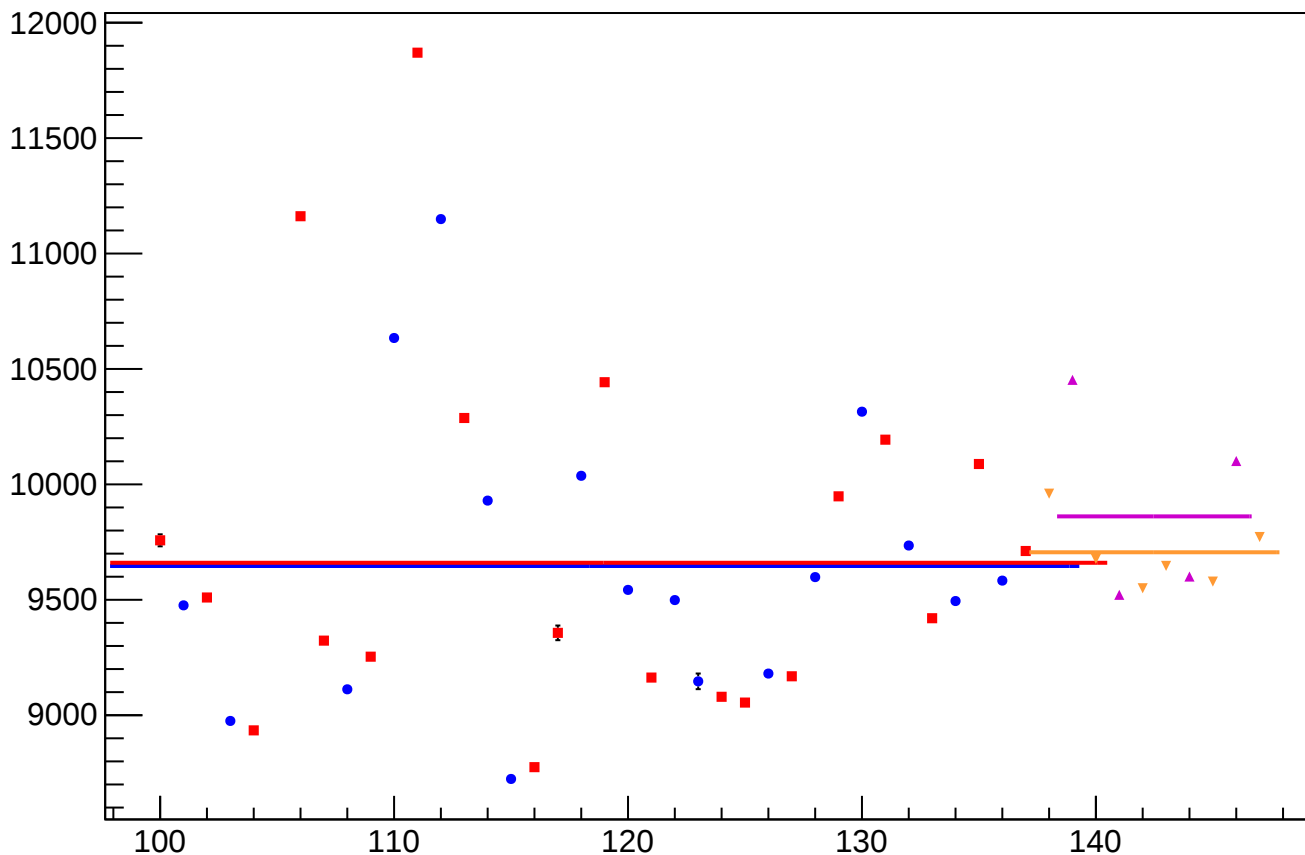
Left In: 41.799 $\pm$ 5.518 χ^2/NDF : 2.2/3

-37.159 $\pm$ 2.942 χ^2/NDF : 203.3/22

-13.934 $\pm$ 2.109 χ^2/NDF : 475.0/46

10.625 $\pm$ 3.026 χ^2/NDF : 143.5/23

diff_bpm0l02X_rms vs Slug, Sign Corrected



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

Left Out: 9705.876 $\pm$ 3.387 χ^2 /NDF:1586.4/5

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

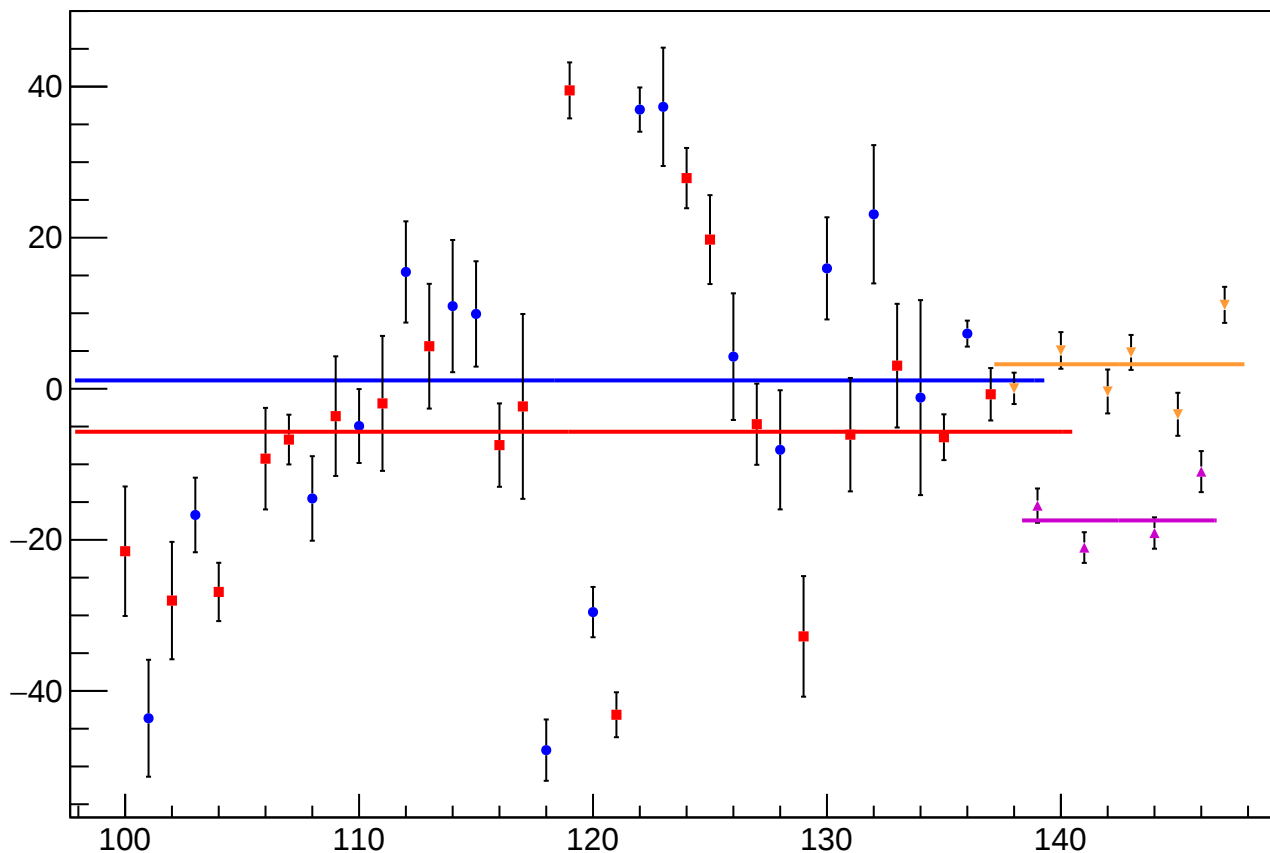
Left In: 9861.368 $\pm$ 3.902 χ^2 /NDF:8679.8/3

9668.896 $\pm$ 2.080 χ^2 /NDF: 45838.2/22

9694.124 $\pm$ 1.492 χ^2 /NDF: 134352.2/46

9720.801 $\pm$ 2.139 χ^2 /NDF: 88211.4/23

diff_bpm0l02Y_mean vs Slug, Sign Corrected



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

Left Out: 3.246 ± 0.997 $\chi^2/\text{NDF}: 21.2/5$

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

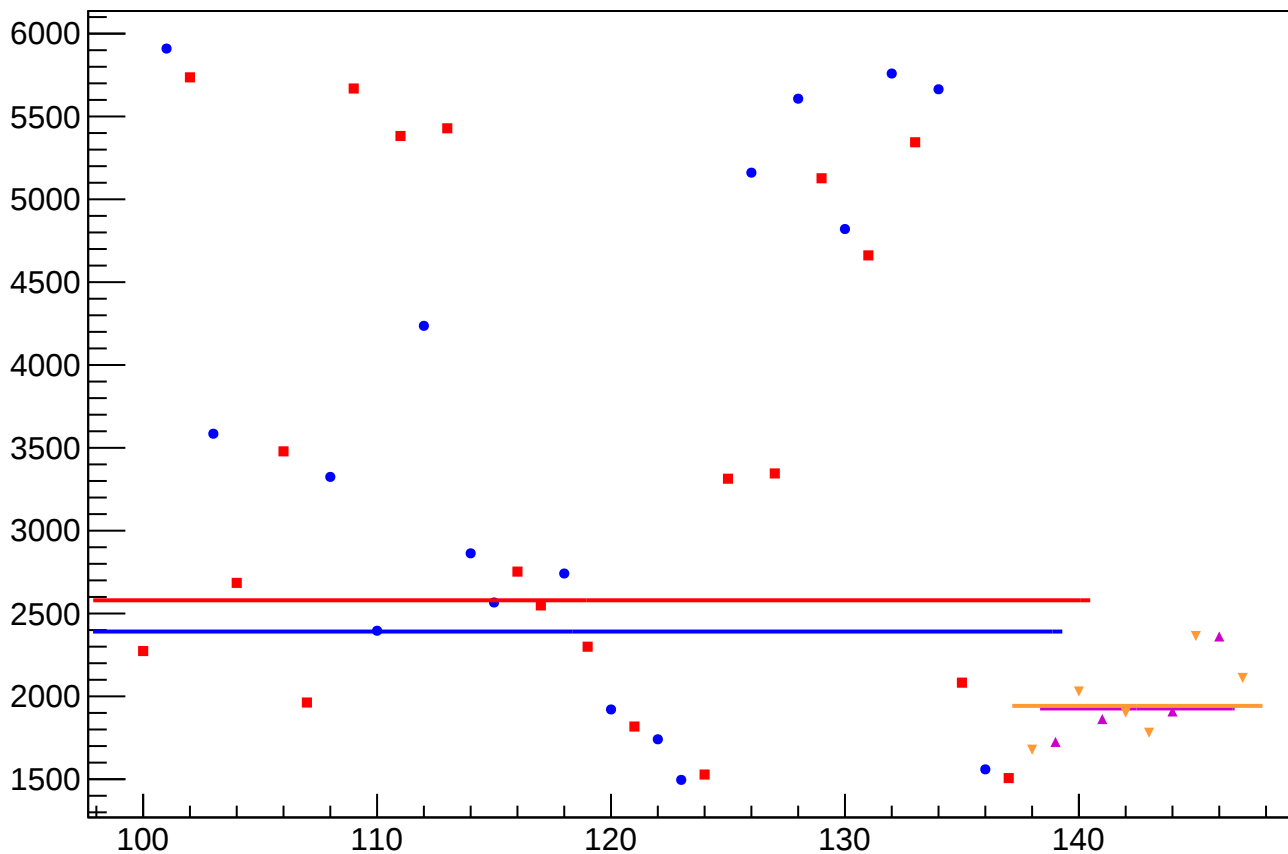
Left In: -17.429 ± 1.115 $\chi^2/\text{NDF}: 10.2/3$

2.248 ± 0.728 $\chi^2/\text{NDF}: 513.0/22$

-4.128 ± 0.532 $\chi^2/\text{NDF}: 1200.2/46$

-11.409 ± 0.778 $\chi^2/\text{NDF}: 523.1/23$

diff_bpm0l02Y_rms vs Slug, Sign Corrected



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

Left Out: 1942.511 $\pm$ 0.705 χ^2 /NDF: 99127.0/5

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

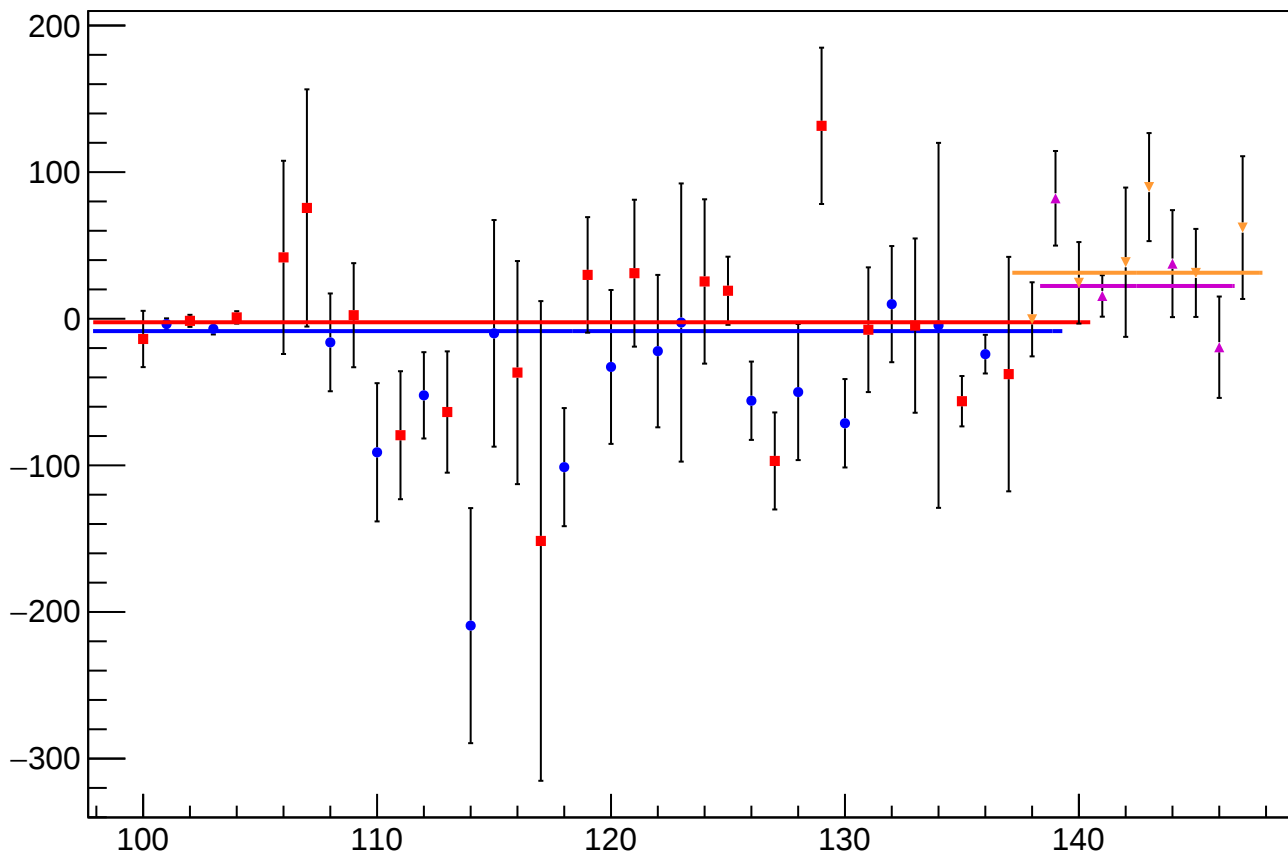
Left In: 1926.903 $\pm$ 0.788 χ^2 /NDF: 69128.1/3

2151.751 $\pm$ 0.515 χ^2 /NDF: 2888557.3/22

2203.099 $\pm$ 0.376 χ^2 /NDF: 5695884.6/46

2261.738 $\pm$ 0.550 χ^2 /NDF: 2786032.5/23

diff_bpm0l03X_mean vs Slug, Sign Corrected



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

Left Out: 31.375 $\pm$ 13.467 χ^2/NDF : 4.6/5

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

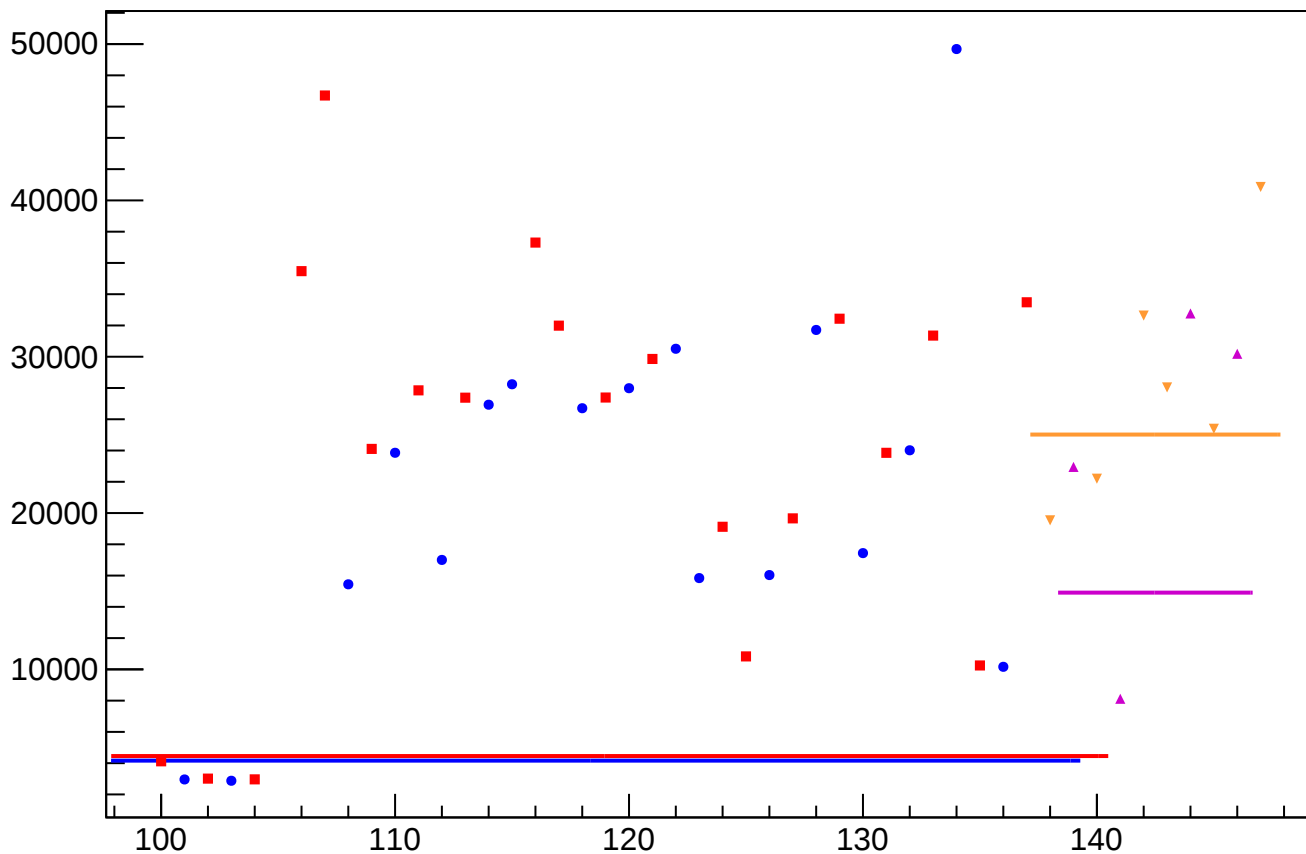
Left In: 22.352 $\pm$ 11.513 χ^2/NDF : 5.3/3

-7.013 $\pm$ 2.541 χ^2/NDF : 41.9/22

-4.208 $\pm$ 1.853 χ^2/NDF : 89.7/46

-1.022 $\pm$ 2.708 χ^2/NDF : 45.2/23

diff_bpm0l03X_rms vs Slug, Sign Corrected



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

Left Out: 25021.363+/-9.522 χ^2/NDF : 385066.6/5

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

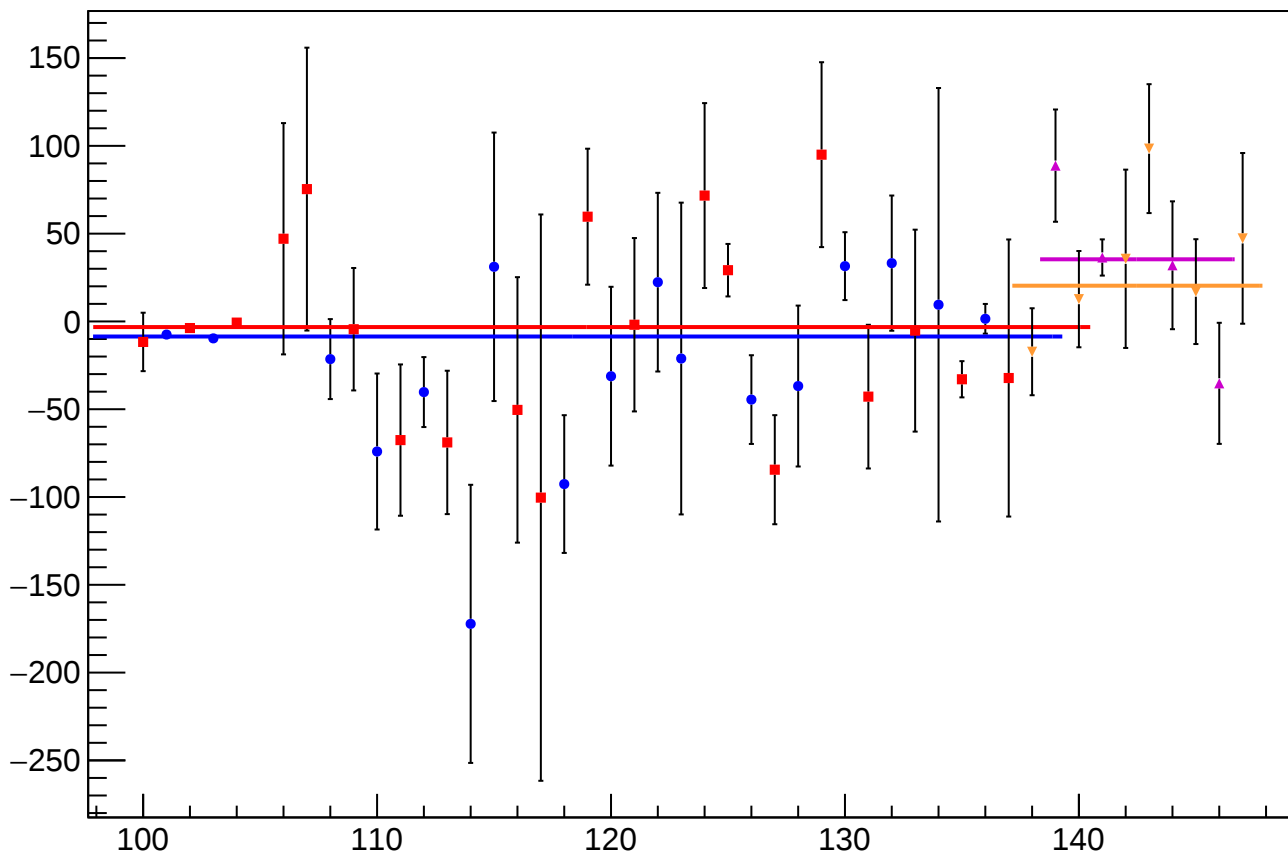
Left In: 14909.057+/-8.141 χ^2/NDF : 1454632.2/3

4904.948+/-1.797 χ^2/NDF : 11002800.3/22

4965.183+/-1.310 χ^2/NDF : 21501248.2/4

5033.609+/-1.915 χ^2/NDF : 10496047.3/23

diff_bpm0l03Y_mean vs Slug, Sign Corrected



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

Left Out: 20.351 $\pm$ 13.321 χ^2/NDF : 7.3/5

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

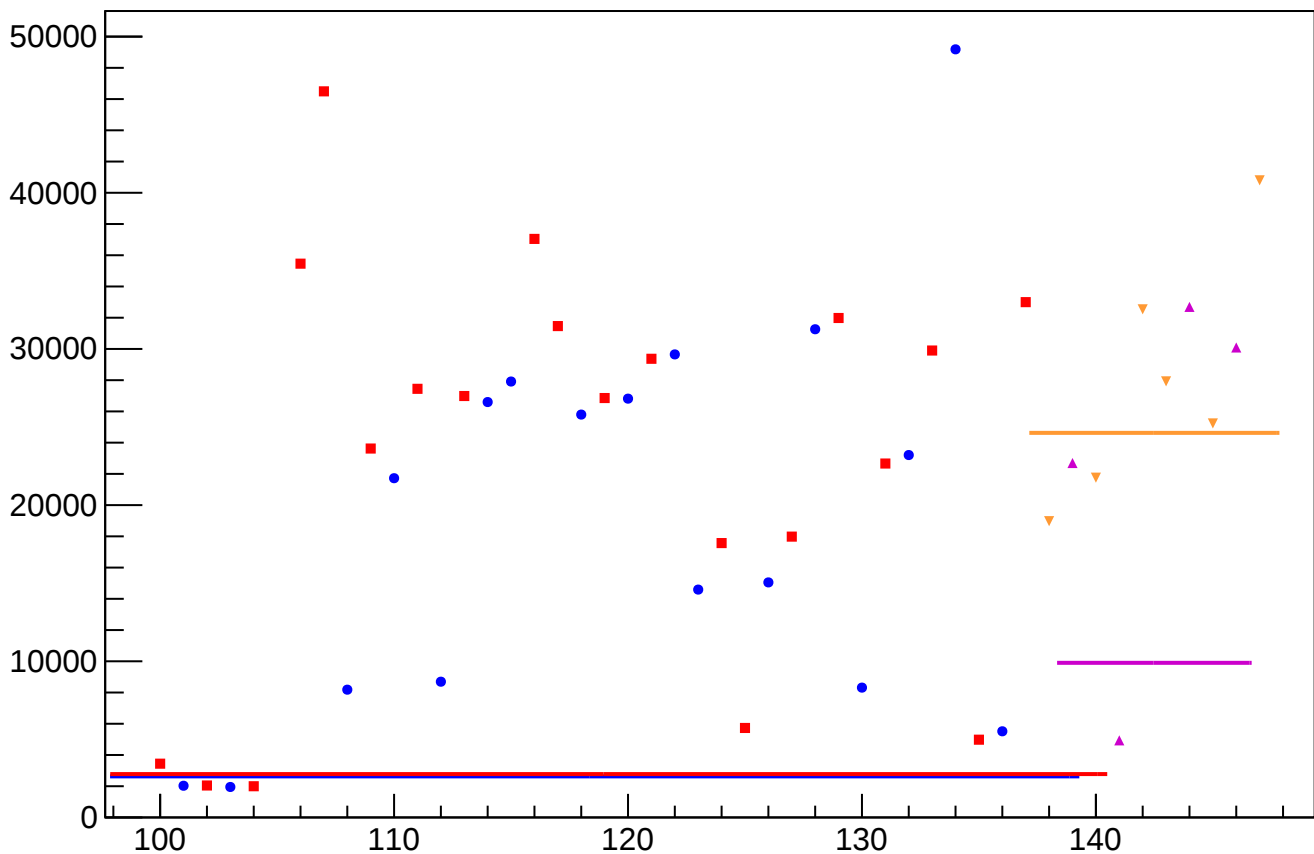
Left In: 35.384 $\pm$ 9.137 χ^2/NDF : 7.0/3

-8.080 $\pm$ 1.762 χ^2/NDF : 36.4/22

-5.038 $\pm$ 1.286 χ^2/NDF : 104.1/46

-1.572 $\pm$ 1.881 χ^2/NDF : 61.3/23

diff_bpm0l03Y_rms vs Slug, Sign Corrected



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

Left Out: 24626.837 ± 9.419 χ^2/NDF : 412989.9/5

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

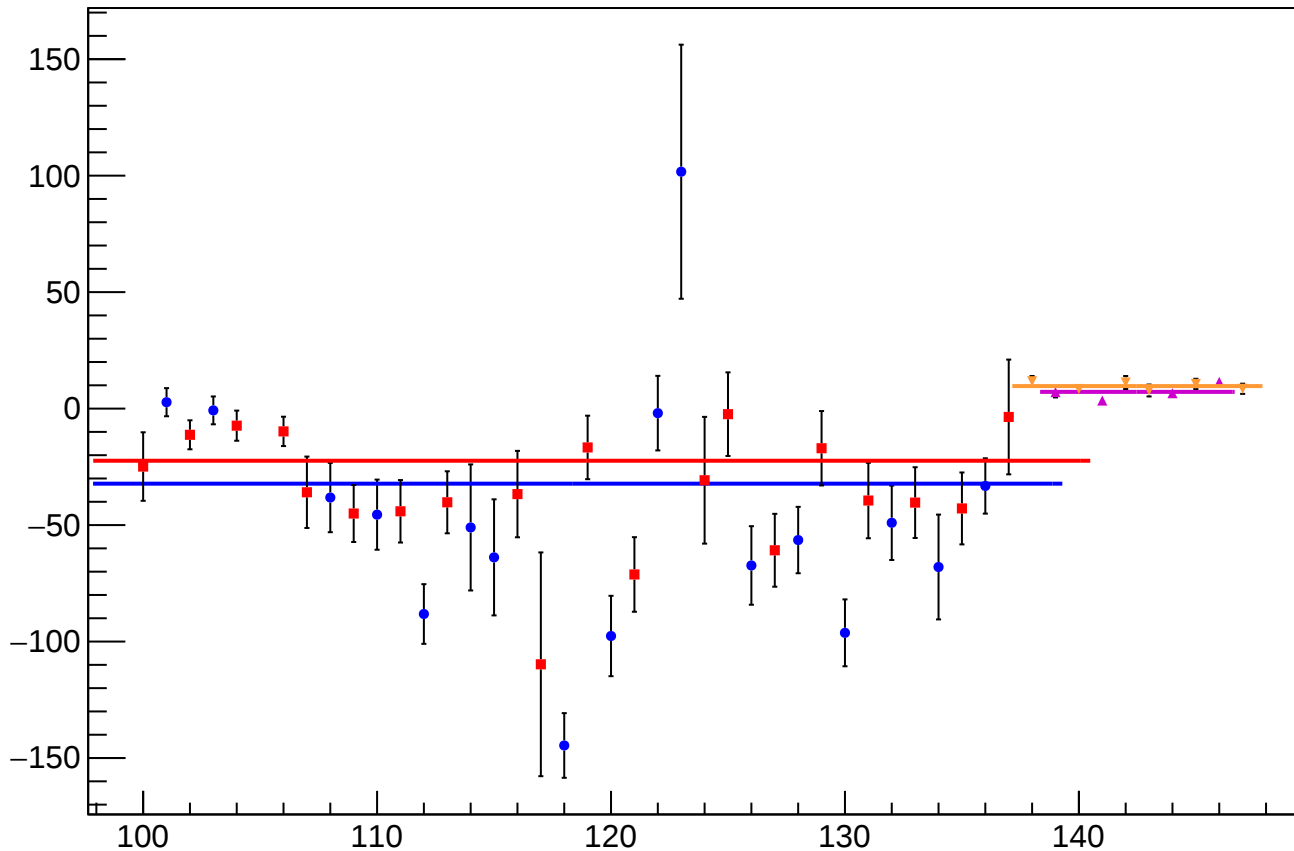
Left In: 9901.342 ± 6.461 χ^2/NDF : 2253441.3/3

3015.474 ± 1.246 χ^2/NDF : 11360128.0/22

3045.368 ± 0.909 χ^2/NDF : 22678262.4/4

3079.428 ± 1.330 χ^2/NDF : 11316903.0/23

diff_bpm0l04X_mean vs Slug, Sign Corrected



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

Left Out: 9.664 ± 0.948 χ^2/NDF : 2.5/5

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

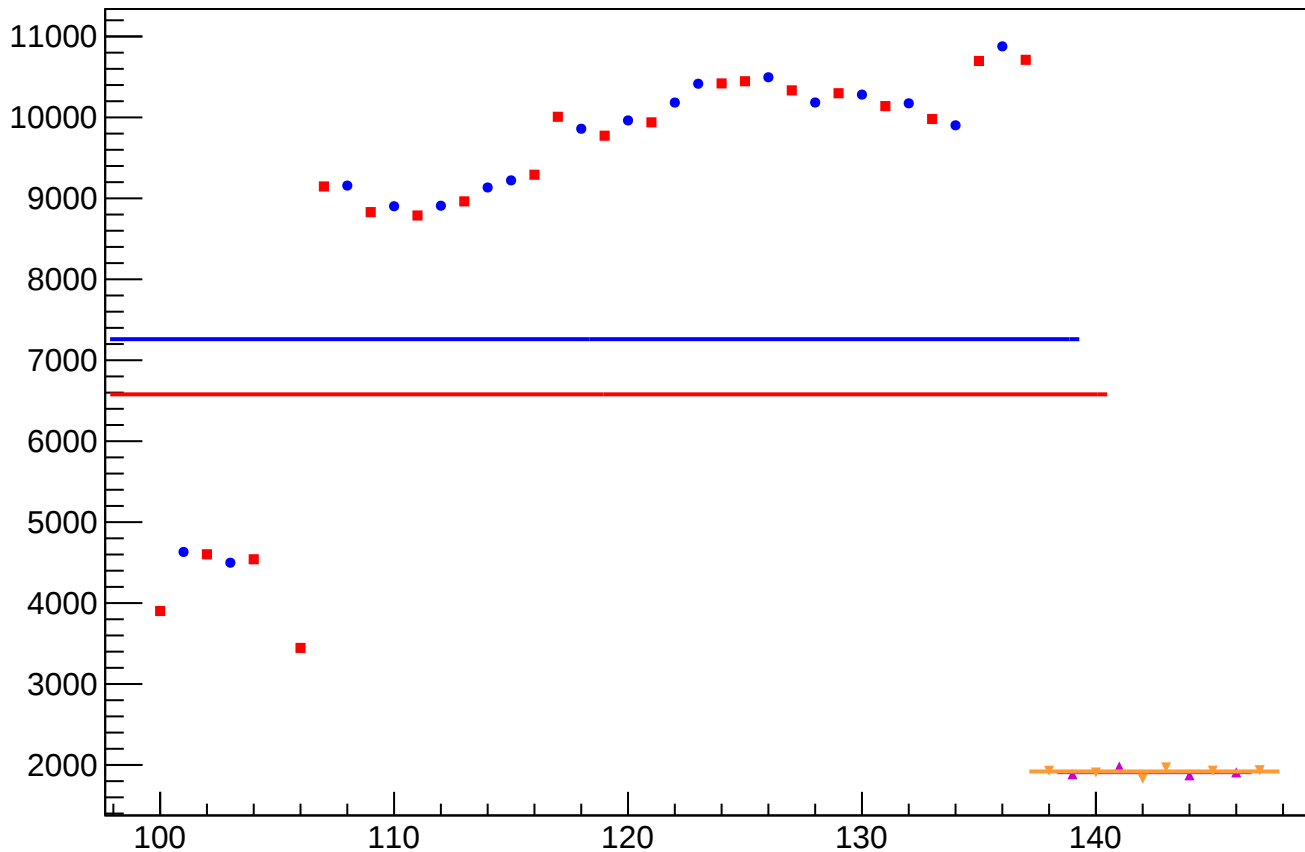
Left In: 7.178 ± 1.069 χ^2/NDF : 7.1/3

5.821 ± 0.903 χ^2/NDF : 385.4/22

4.579 ± 0.668 χ^2/NDF : 549.7/46

3.080 ± 0.992 χ^2/NDF : 160.1/23

diff_bpm0l04X_rms vs Slug, Sign Corrected



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

Left Out: 1919.929 $\pm$ 0.670 χ^2 /NDF:3021.4/5

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

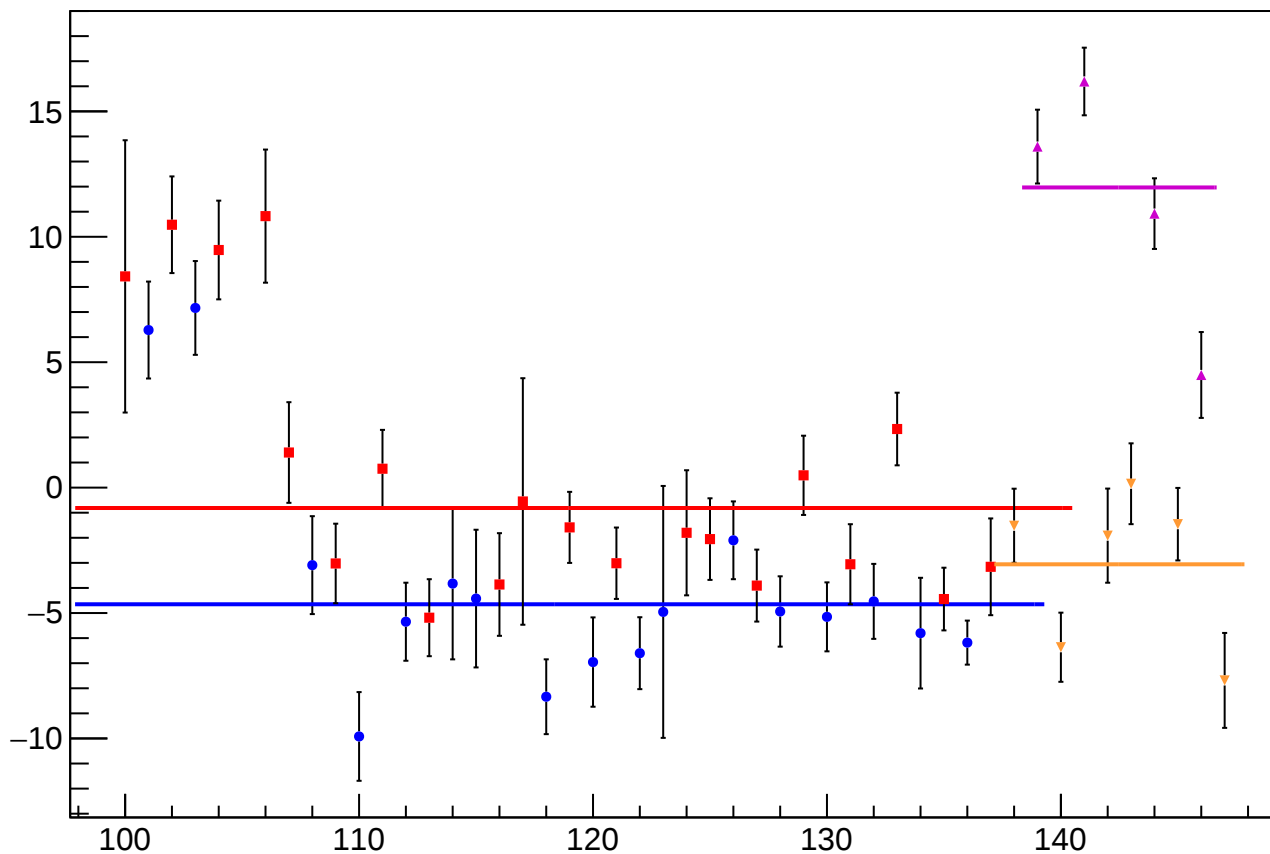
Left In: 1911.302 $\pm$ 0.756 χ^2 /NDF:3061.2/3

2409.896 $\pm$ 0.639 χ^2 /NDF: 7467157.0/22

2477.165 $\pm$ 0.472 χ^2 /NDF: 14984985.3/4

2558.393 $\pm$ 0.702 χ^2 /NDF: 7493331.5/23

diff_bpm0l04Y_mean vs Slug, Sign Corrected



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

Left Out: -3.057 ± 0.644 $\chi^2/\text{NDF}: 18.4/5$

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

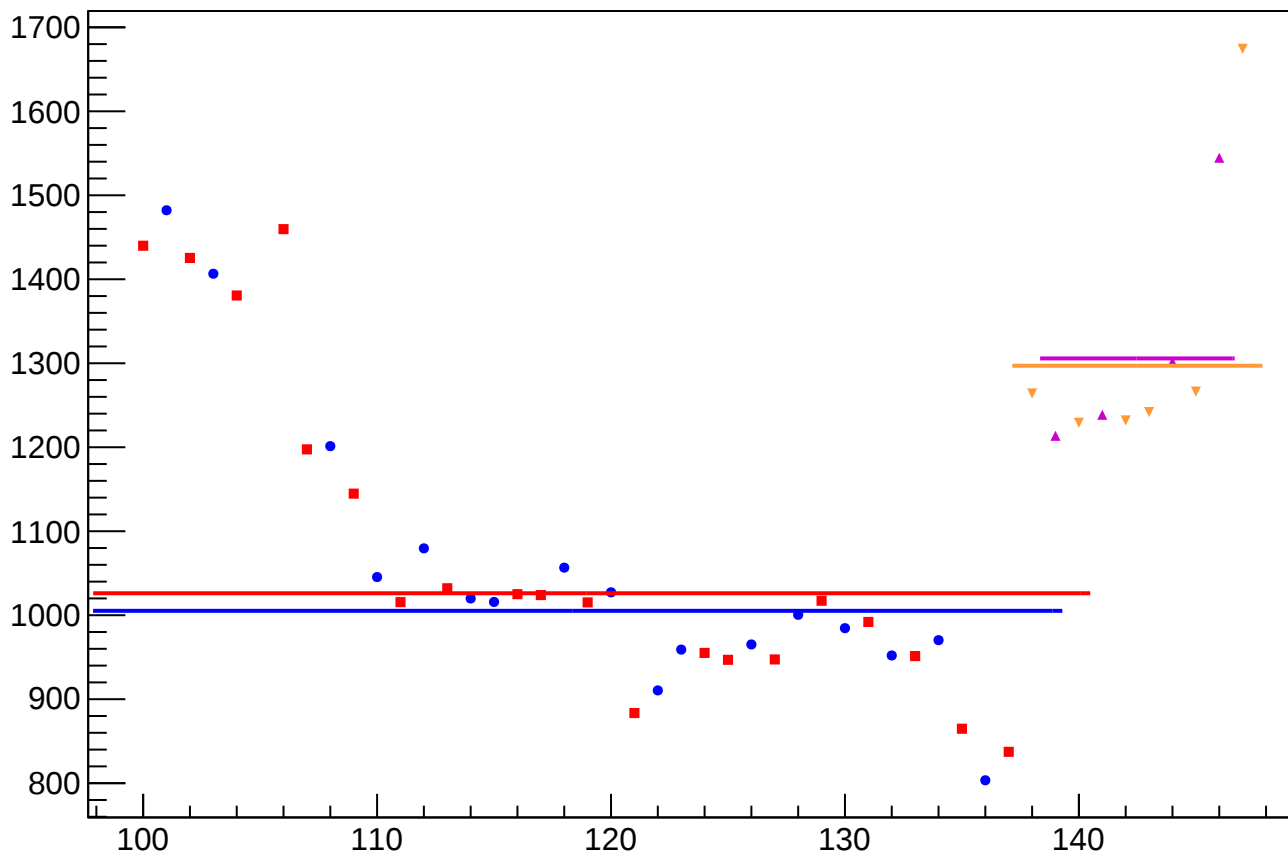
Left In: 11.967 ± 0.734 $\chi^2/\text{NDF}: 30.7/3$

-4.219 ± 0.335 $\chi^2/\text{NDF}: 120.4/22$

-1.190 ± 0.240 $\chi^2/\text{NDF}: 678.9/46$

1.972 ± 0.343 $\chi^2/\text{NDF}: 391.6/23$

diff_bpm0l04Y_rms vs Slug, Sign Corrected



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

Left Out: 1297.046 $\pm$ 0.455 χ^2 /NDF: 91066.4/5

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

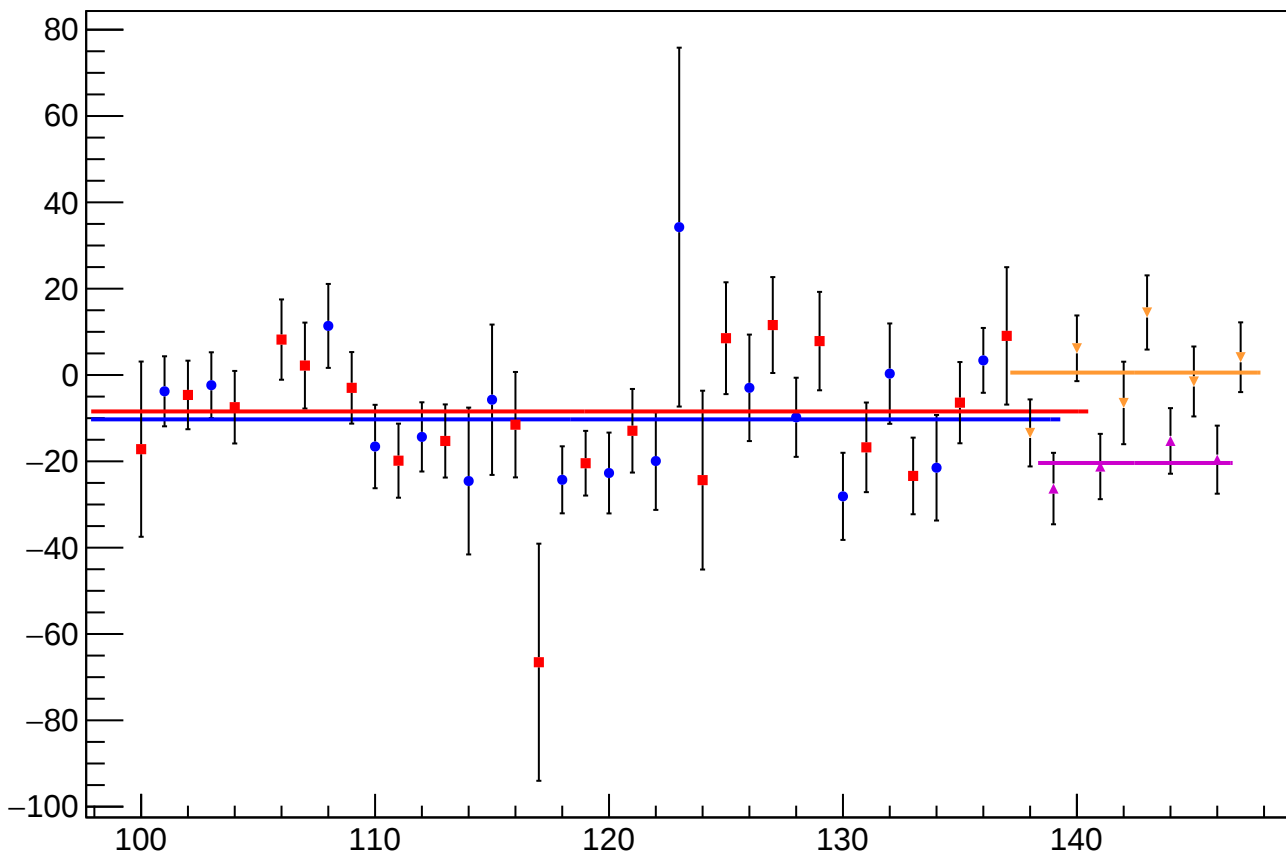
Left In: 1305.748 $\pm$ 0.519 χ^2 /NDF: 51789.8/3

1084.325 $\pm$ 0.237 χ^2 /NDF: 752488.2/22

1085.672 $\pm$ 0.169 χ^2 /NDF: 1364630.6/46

1087.078 $\pm$ 0.242 χ^2 /NDF: 612076.4/23

diff_bpm0l05X_mean vs Slug, Sign Corrected



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

Left Out: 0.560 $\pm$ 3.354 χ^2/NDF : 7.2/5

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

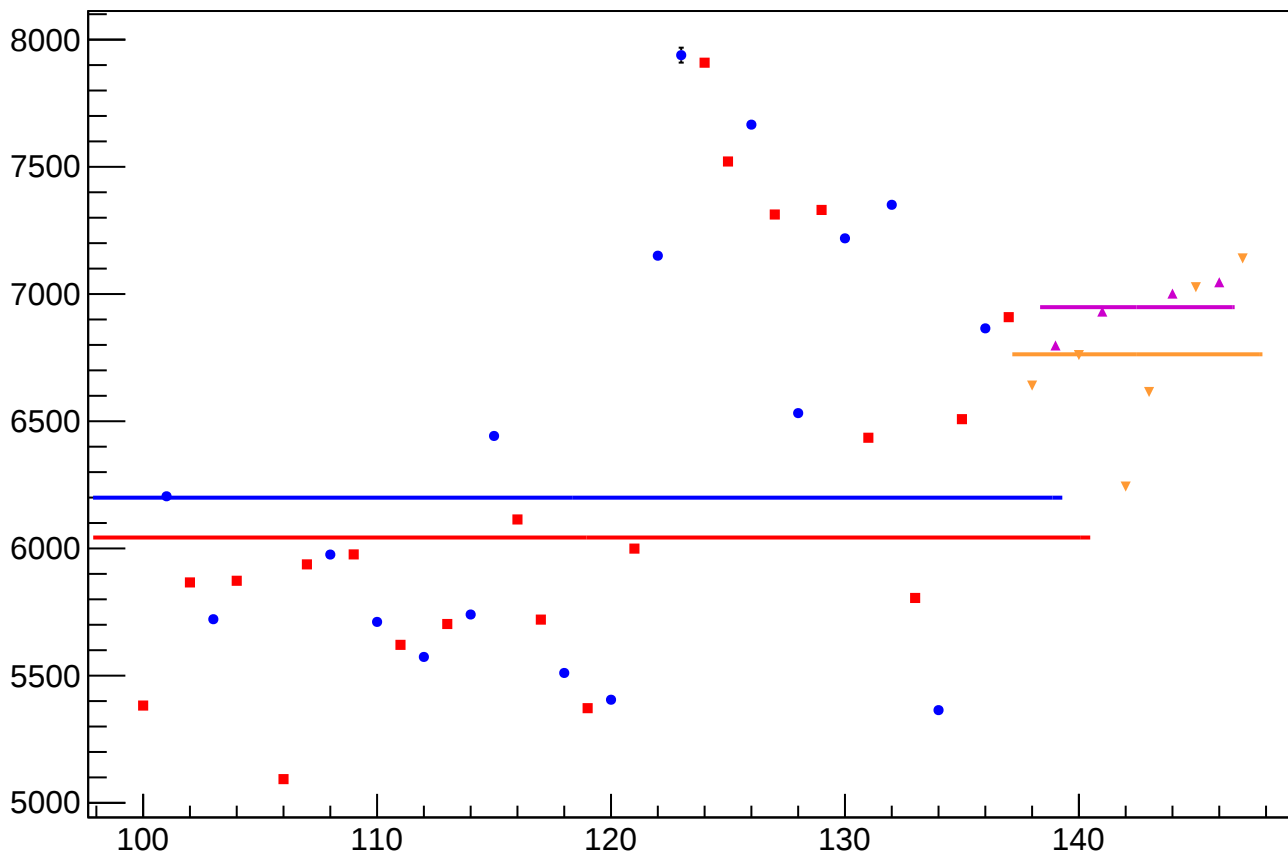
Left In: -20.380 $\pm$ 3.908 χ^2/NDF : 1.0/3

-6.591 $\pm$ 1.956 χ^2/NDF : 37.6/22

-9.013 $\pm$ 1.386 χ^2/NDF : 75.9/46

-11.454 $\pm$ 1.963 χ^2/NDF : 35.2/23

diff_bpm0l05X_rms vs Slug, Sign Corrected



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

Left Out: 6763.134 ± 2.371 $\chi^2/\text{NDF}: 13489.8/5$

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

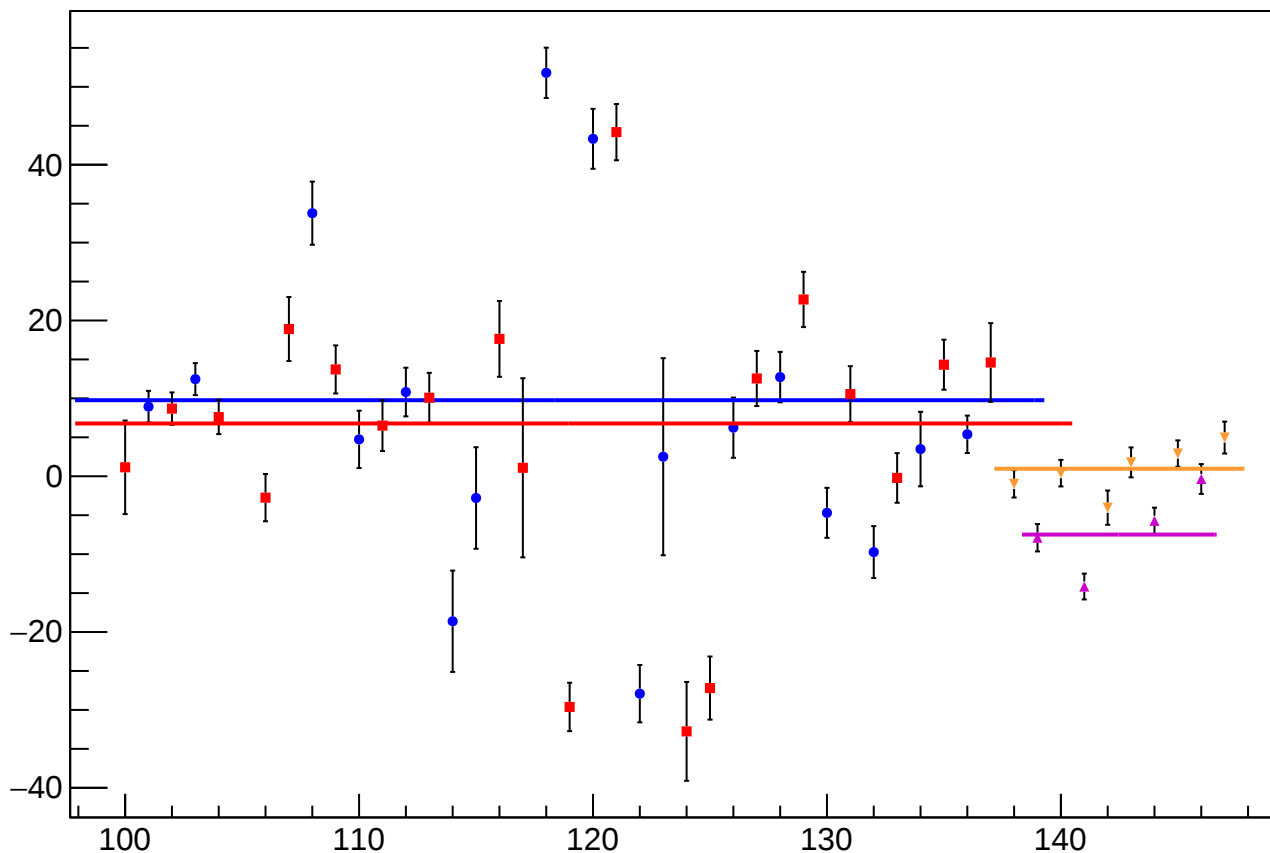
Left In: 6948.439 ± 2.764 $\chi^2/\text{NDF}: 1079.0/3$

6391.285 ± 1.383 $\chi^2/\text{NDF}: 222510.1/22$

6331.591 ± 0.980 $\chi^2/\text{NDF}: 466188.8/46$

6271.443 ± 1.388 $\chi^2/\text{NDF}: 239938.8/23$

diff_bpm0l05Y_mean vs Slug, Sign Corrected



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

Left Out: 0.966 ± 0.759 χ^2/NDF : 11.8/5

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

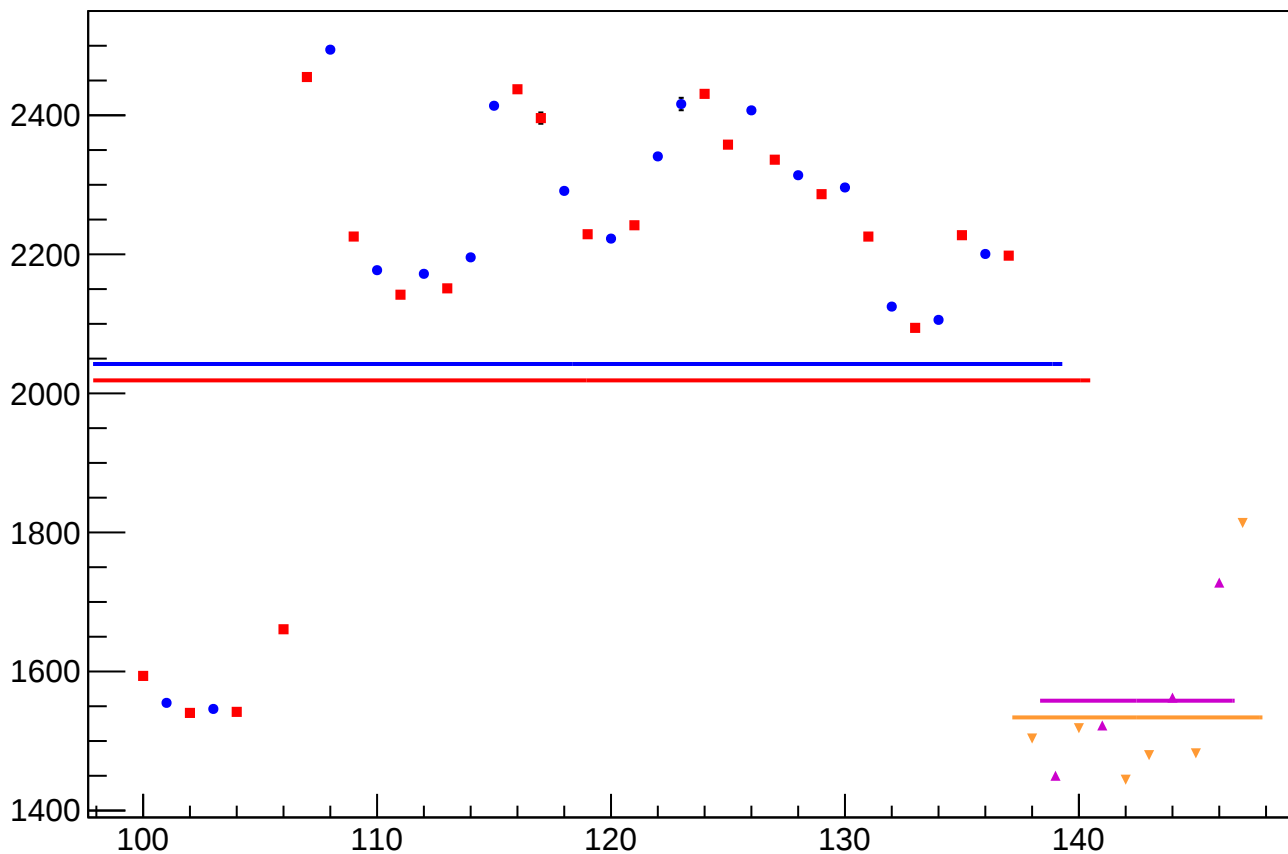
Left In: -7.486 ± 0.874 χ^2/NDF : 31.2/3

5.154 ± 0.550 χ^2/NDF : 549.5/22

2.982 ± 0.397 χ^2/NDF : 1186.5/46

0.607 ± 0.575 χ^2/NDF : 604.4/23

diff_bpm0l05Y_rms vs Slug, Sign Corrected



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

Left Out: 1533.951 $\pm$ 0.537 χ^2/NDF : 44744.9/5

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

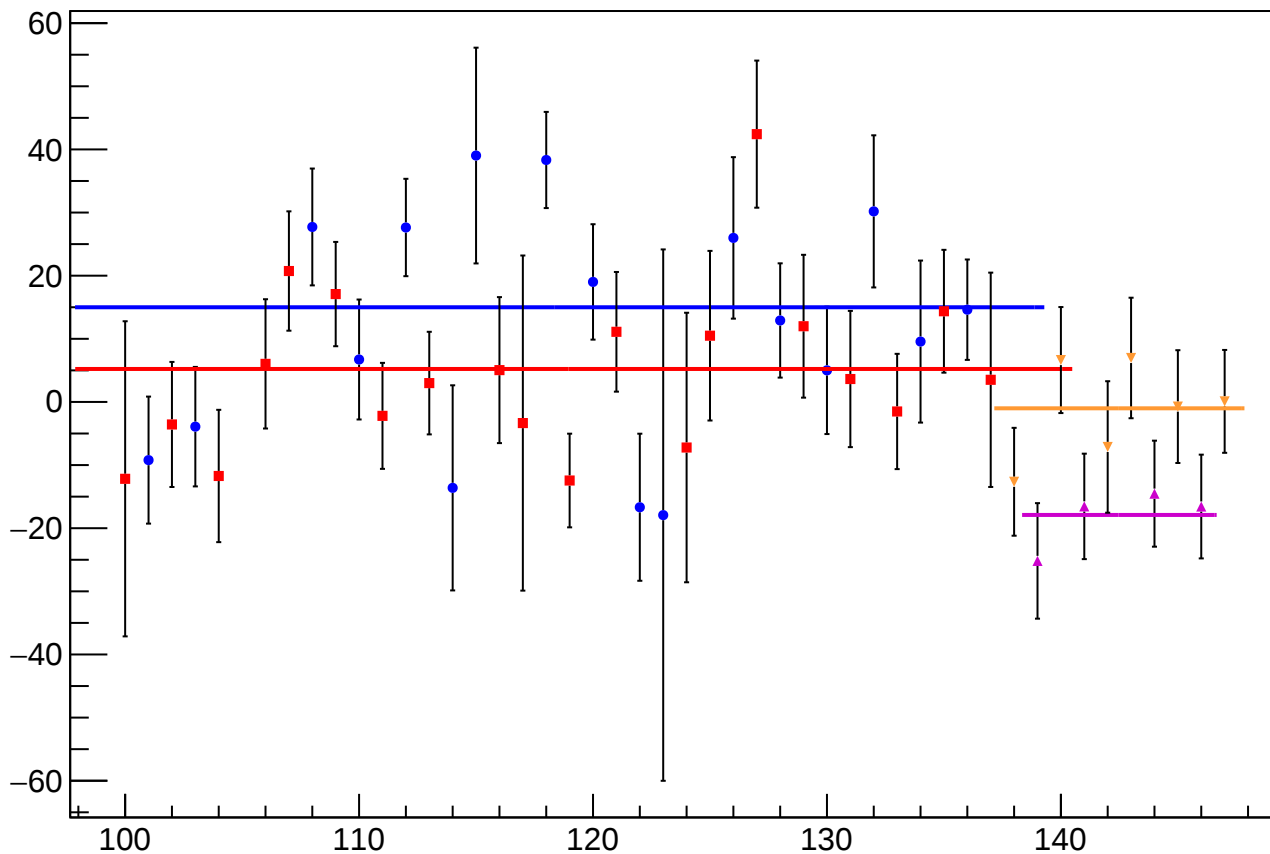
Left In: 1557.980 $\pm$ 0.618 χ^2/NDF : 24197.3/3

1775.904 $\pm$ 0.389 χ^2/NDF : 828042.0/22

1796.694 $\pm$ 0.281 χ^2/NDF : 1551352.1/46

1819.424 $\pm$ 0.406 χ^2/NDF : 717322.7/23

diff_bpm0l06X_mean vs Slug, Sign Corrected



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

Left Out: -1.009 $\pm$ 3.635 χ^2 /NDF: 3.7/5

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

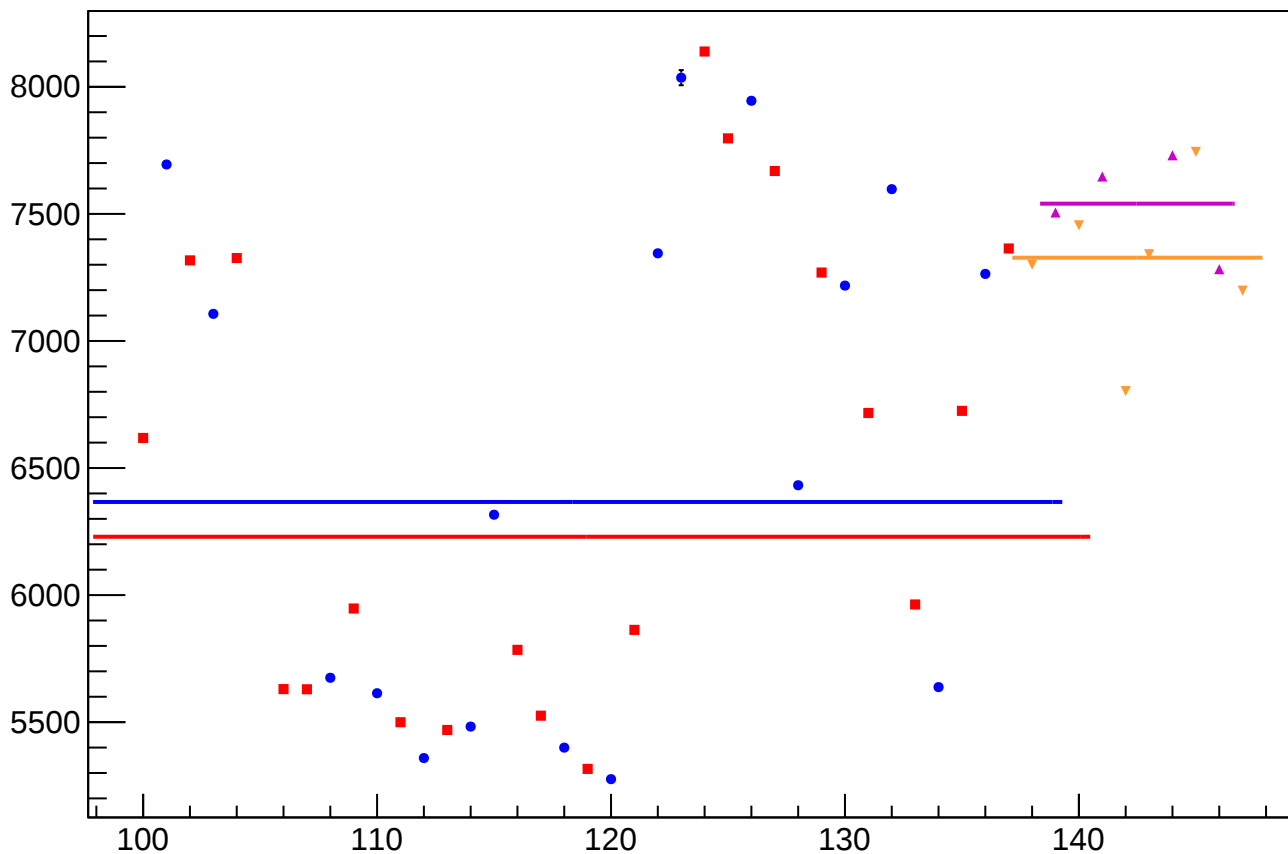
Left In: -17.899 $\pm$ 4.253 χ^2 /NDF: 0.8/3

9.898 $\pm$ 2.052 χ^2 /NDF: 58.3/22

4.870 $\pm$ 1.452 χ^2 /NDF: 122.0/46

-0.178 $\pm$ 2.056 χ^2 /NDF: 51.7/23

diff_bpm0l06X_rms vs Slug, Sign Corrected



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

Left Out: 7327.701 $\pm$ 2.570 χ^2/NDF :10420.6/5

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

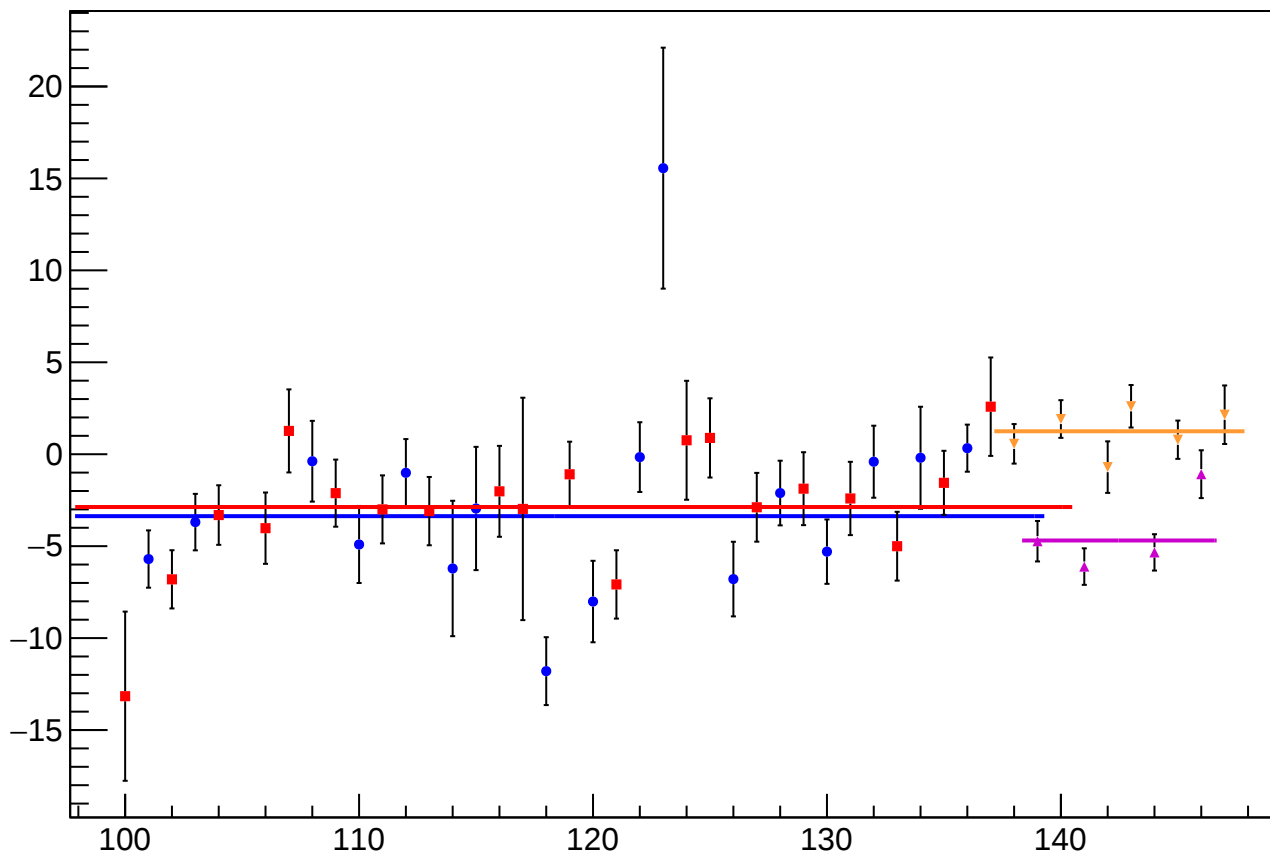
Left In: 7540.328 $\pm$ 3.008 χ^2/NDF :3353.7/3

6672.688 $\pm$ 1.451 χ^2/NDF : 392213.9/22

6604.373 $\pm$ 1.027 χ^2/NDF : 790191.9/46

6535.787 $\pm$ 1.454 χ^2/NDF : 393534.2/23

diff_bpm0l06Y_mean vs Slug, Sign Corrected



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

Left Out: 1.248 ± 0.477 χ^2/NDF : 4.7/5

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

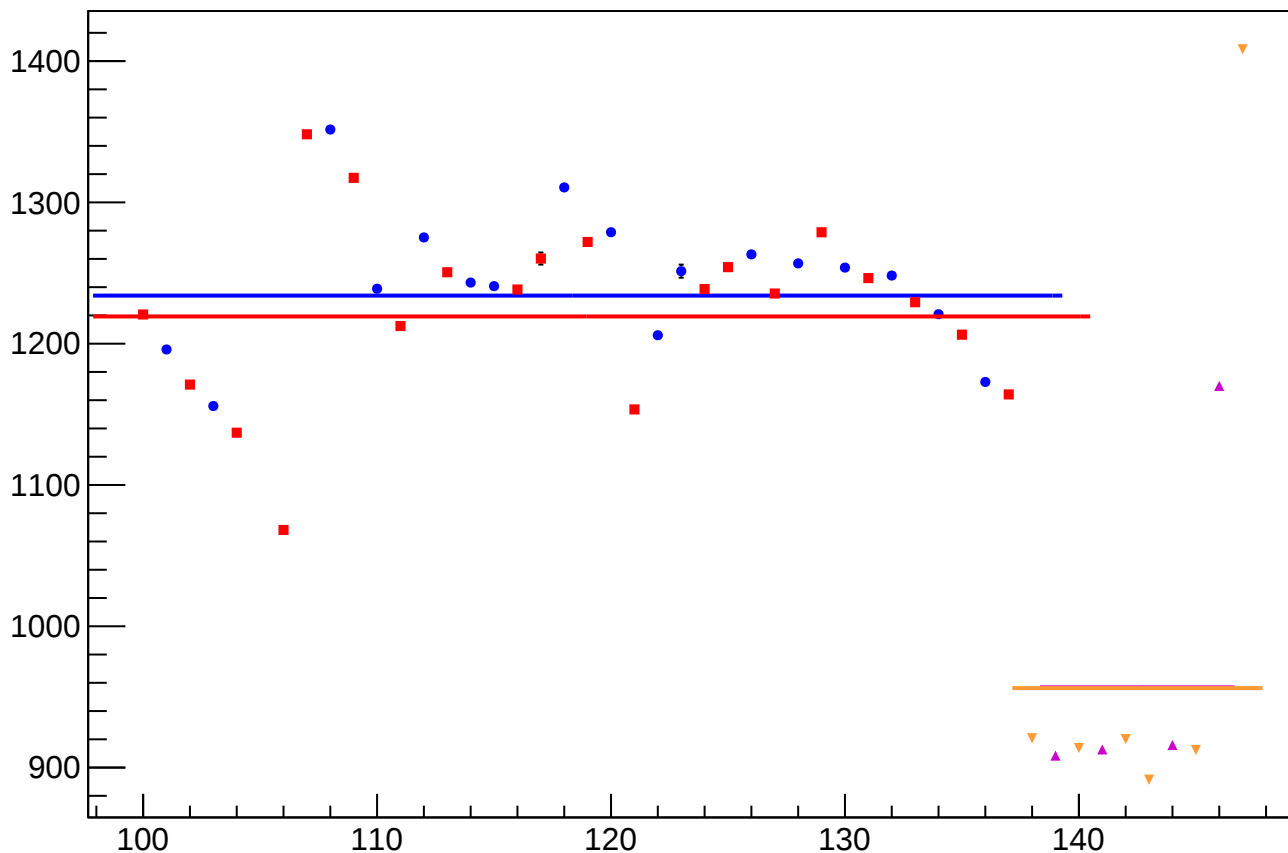
Left In: -4.692 ± 0.538 χ^2/NDF : 10.2/3

-1.068 ± 0.337 χ^2/NDF : 111.5/22

-2.309 ± 0.242 χ^2/NDF : 188.4/46

-3.630 ± 0.348 χ^2/NDF : 48.9/23

diff_bpm0l06Y_rms vs Slug, Sign Corrected



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

Left Out: 956.252 $\pm$ 0.337 χ^2 /NDF:178092.8/5

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

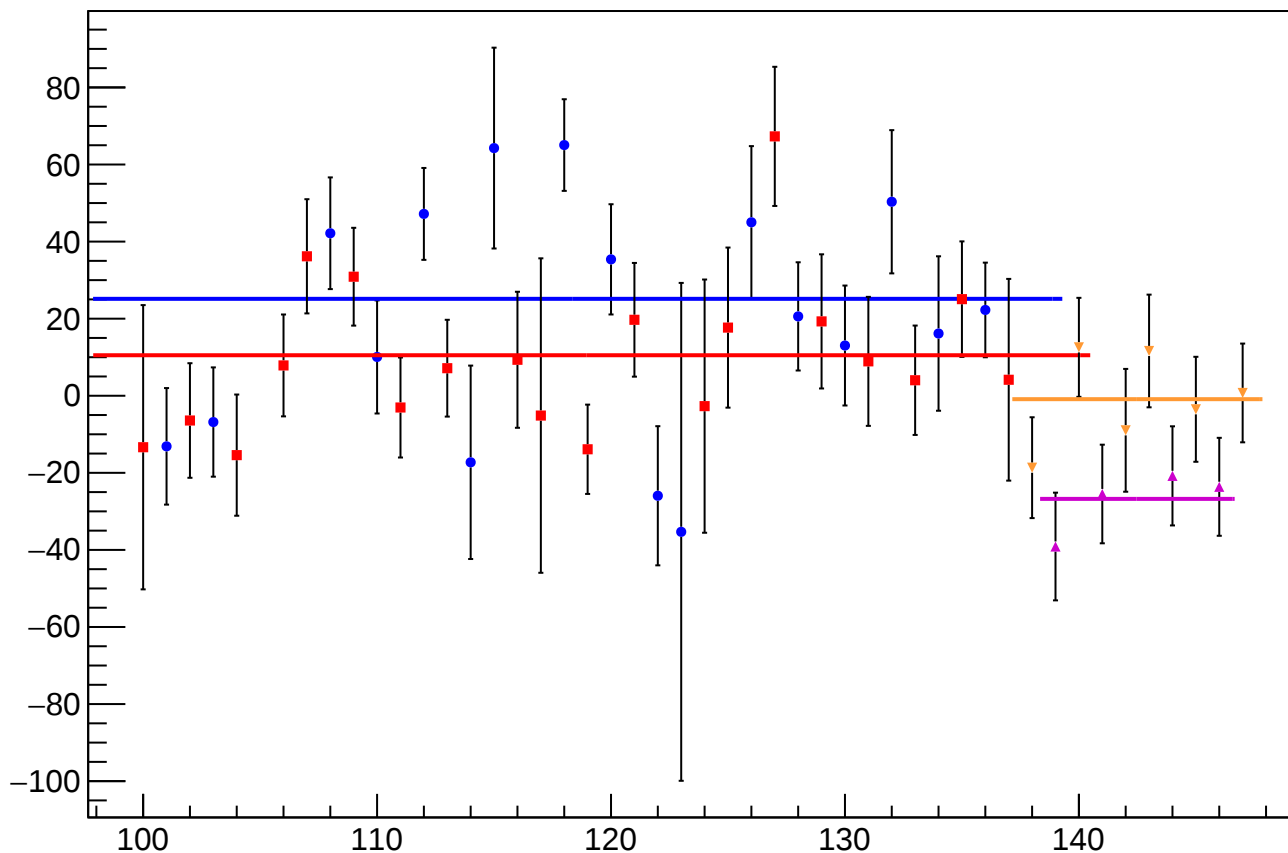
Left In: 956.784 $\pm$ 0.381 χ^2 /NDF:64972.9/3

1095.598 $\pm$ 0.238 χ^2 /NDF: 541775.7/22

1102.494 $\pm$ 0.171 χ^2 /NDF: 926328.9/46

1109.836 $\pm$ 0.246 χ^2 /NDF: 382822.0/23

diff_bpm0l07X_mean vs Slug, Sign Corrected



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

Left Out: -0.887 ± 5.590 $\chi^2/\text{NDF}: 4.0/5$

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

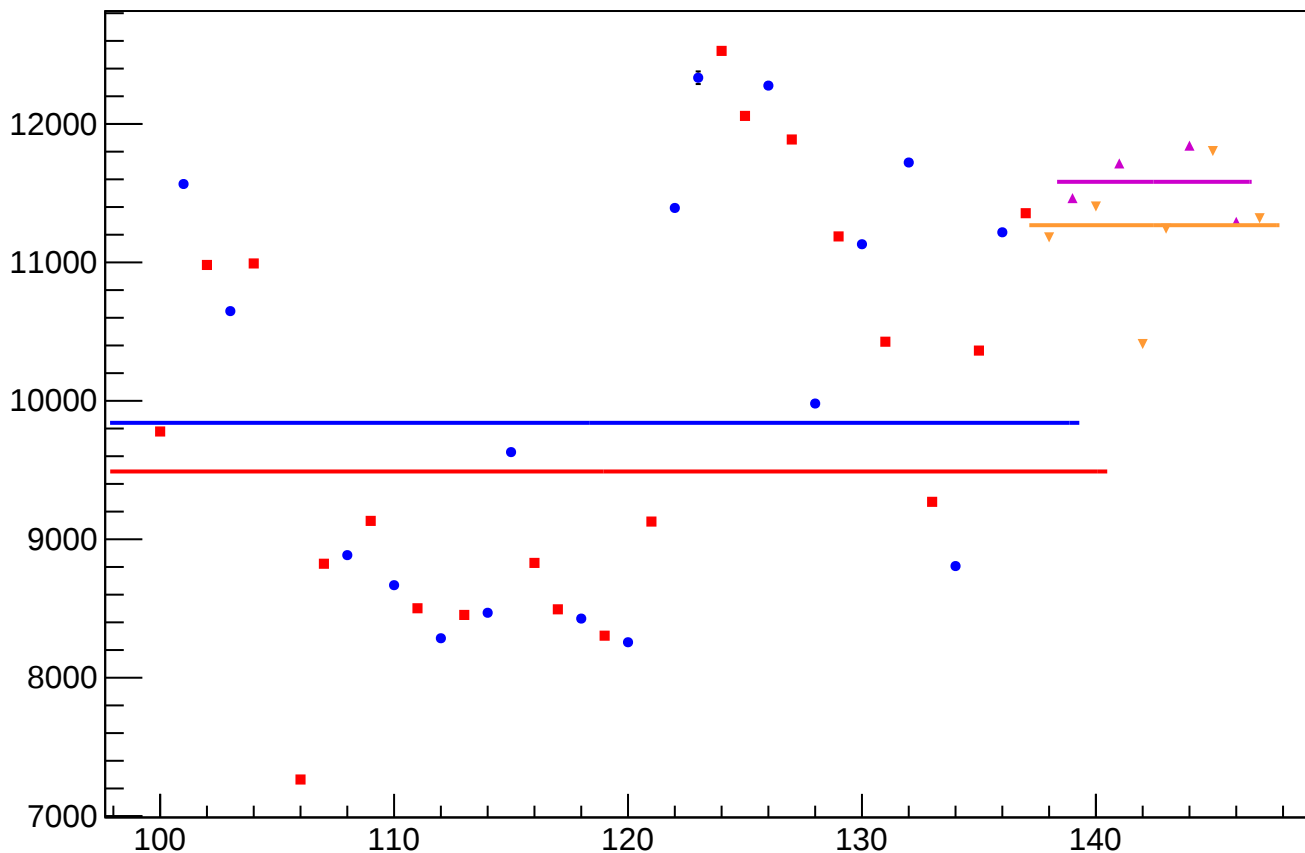
Left In: -26.761 ± 6.528 $\chi^2/\text{NDF}: 1.1/3$

16.809 ± 3.164 $\chi^2/\text{NDF}: 65.7/22$

9.293 ± 2.228 $\chi^2/\text{NDF}: 130.8/46$

1.892 ± 3.140 $\chi^2/\text{NDF}: 54.0/23$

diff_bpm0l07X_rms vs Slug, Sign Corrected



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

Left Out: 11268.754 $\pm$ 3.953 χ^2/NDF : 9244.7/5

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

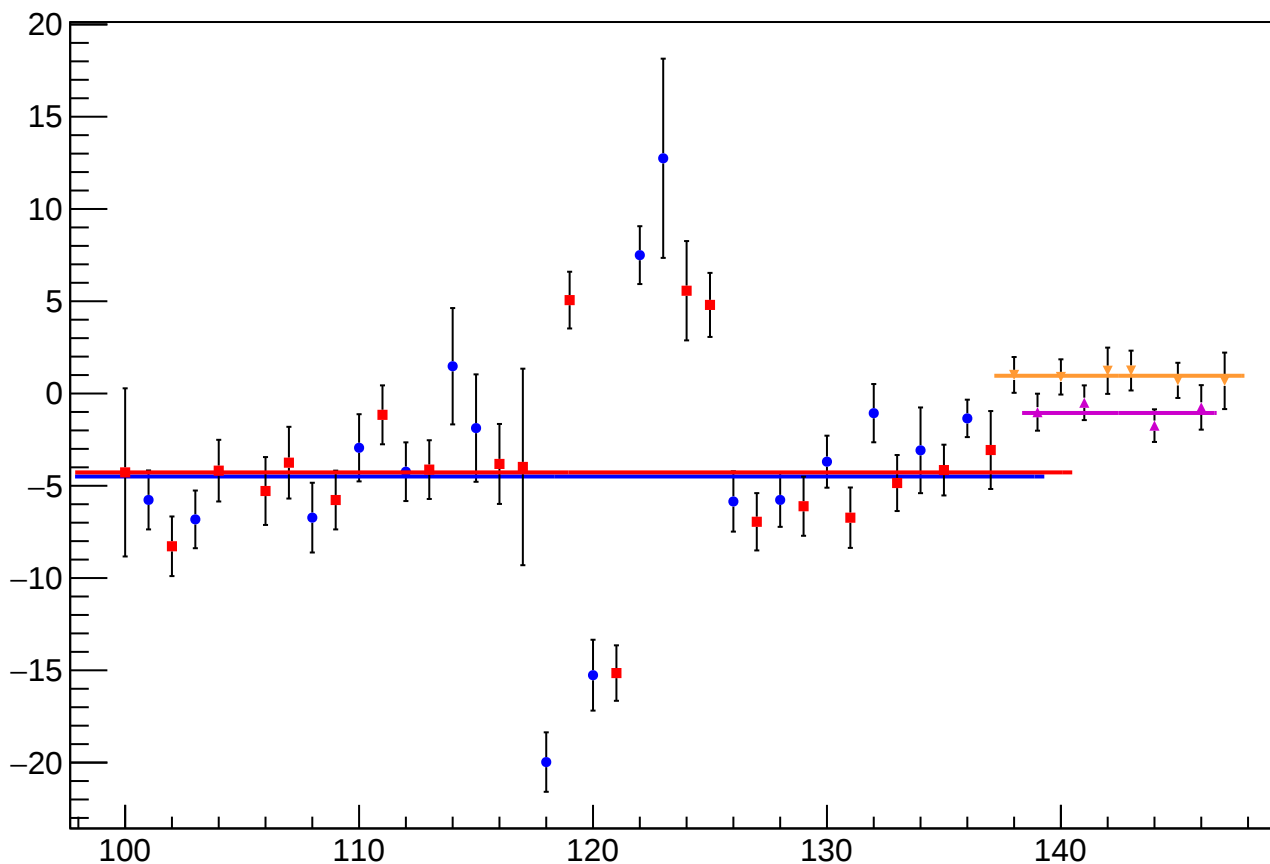
Left In: 11582.114 $\pm$ 4.616 χ^2/NDF : 2216.8/3

10298.467 $\pm$ 2.237 χ^2/NDF : 357973.0/22

10134.833 $\pm$ 1.576 χ^2/NDF : 806649.9/46

9973.684 $\pm$ 2.220 χ^2/NDF : 438056.9/23

diff_bpm0l07Y_mean vs Slug, Sign Corrected



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

Left Out: 0.962 ± 0.439 χ^2/NDF : 0.2/5

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

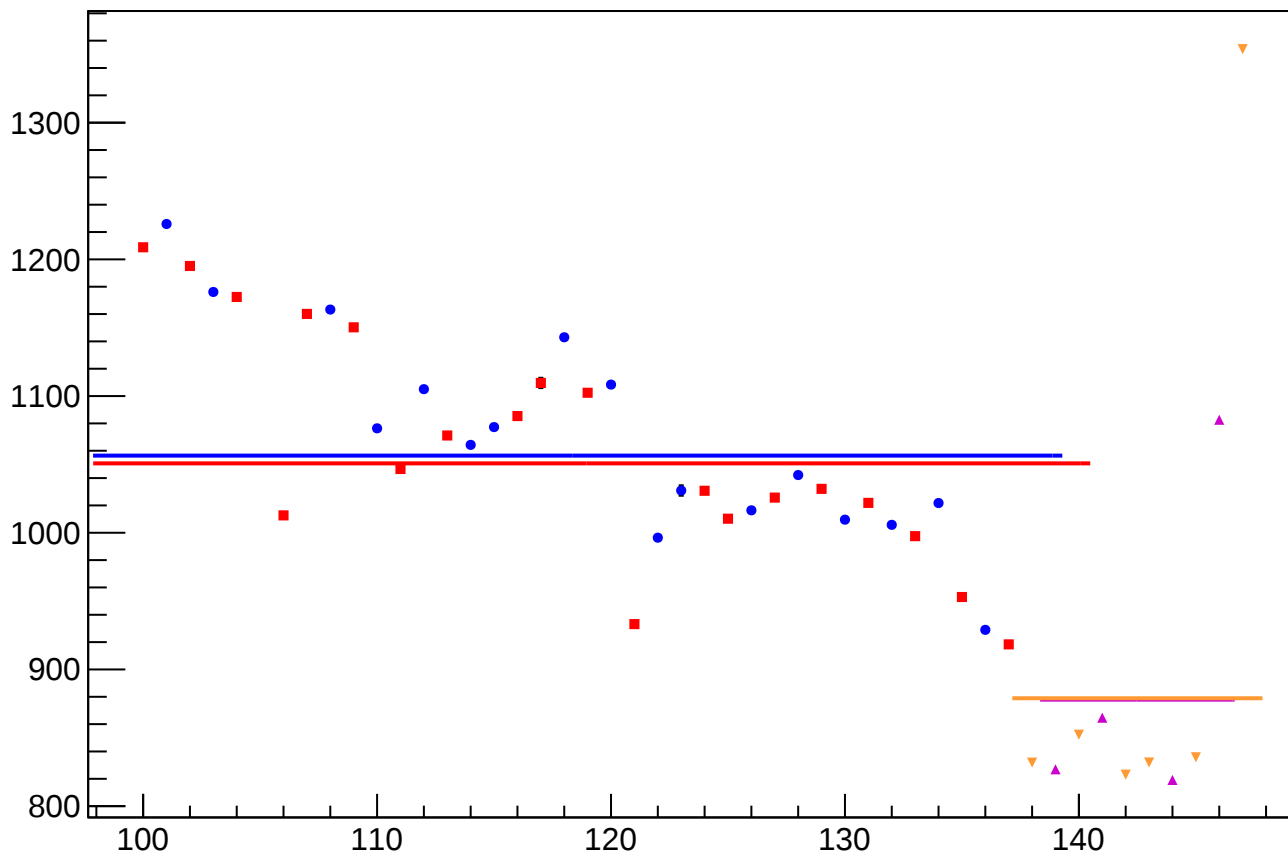
Left In: -1.055 ± 0.494 χ^2/NDF : 1.0/3

-1.967 ± 0.299 χ^2/NDF : 301.5/22

-2.483 ± 0.214 χ^2/NDF : 482.9/46

-3.029 ± 0.308 χ^2/NDF : 175.3/23

diff_bpm0l07Y_rms vs Slug, Sign Corrected



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

Left Out: 878.939 $\pm$ 0.311 χ^2 /NDF: 210765.3/5

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

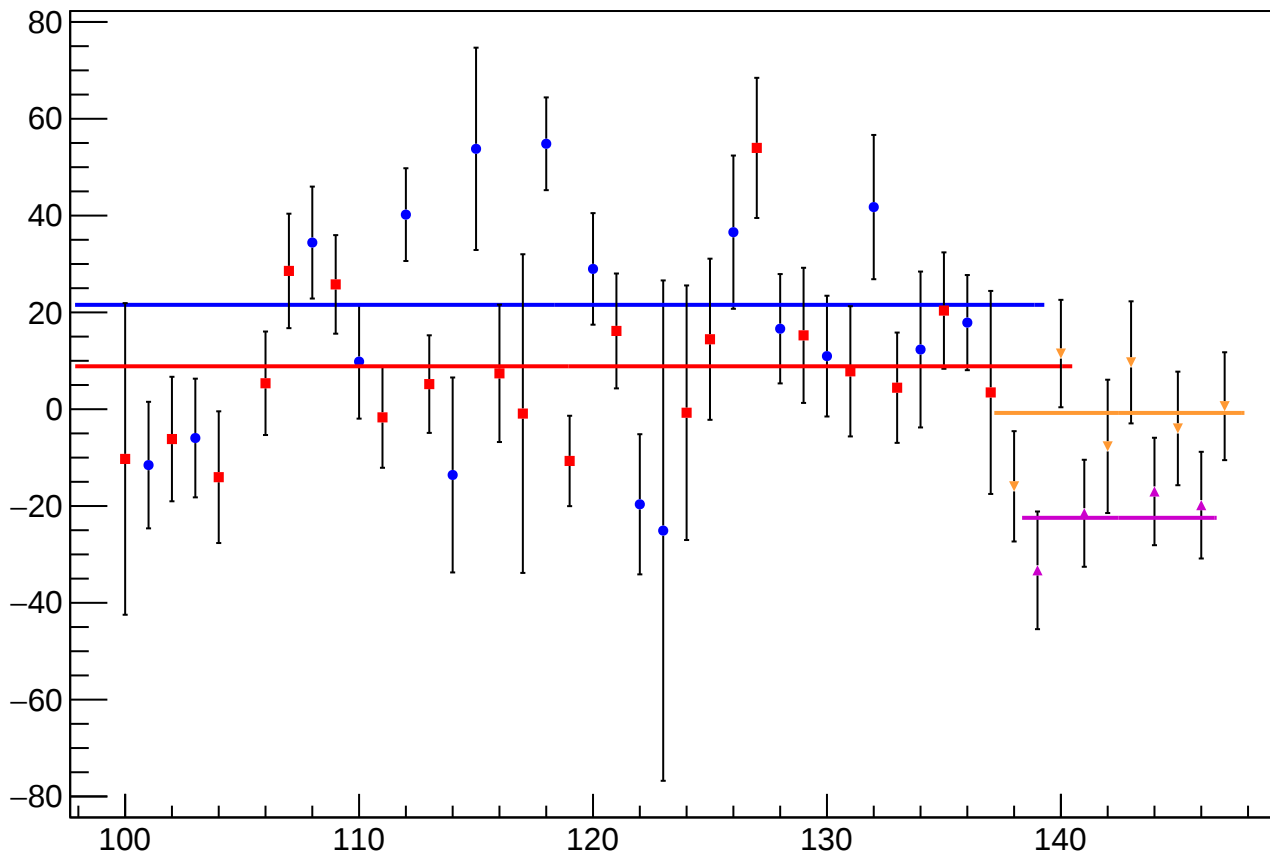
Left In: 877.917 $\pm$ 0.350 χ^2 /NDF: 72040.6/3

974.195 $\pm$ 0.211 χ^2 /NDF: 476779.6/22

978.896 $\pm$ 0.152 χ^2 /NDF: 782338.3/46

983.870 $\pm$ 0.217 χ^2 /NDF: 304541.3/23

diff_bpm0l08X_mean vs Slug, Sign Corrected



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

Left Out: -0.768 $\pm$ 4.839 χ^2 /NDF: 4.0/5

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

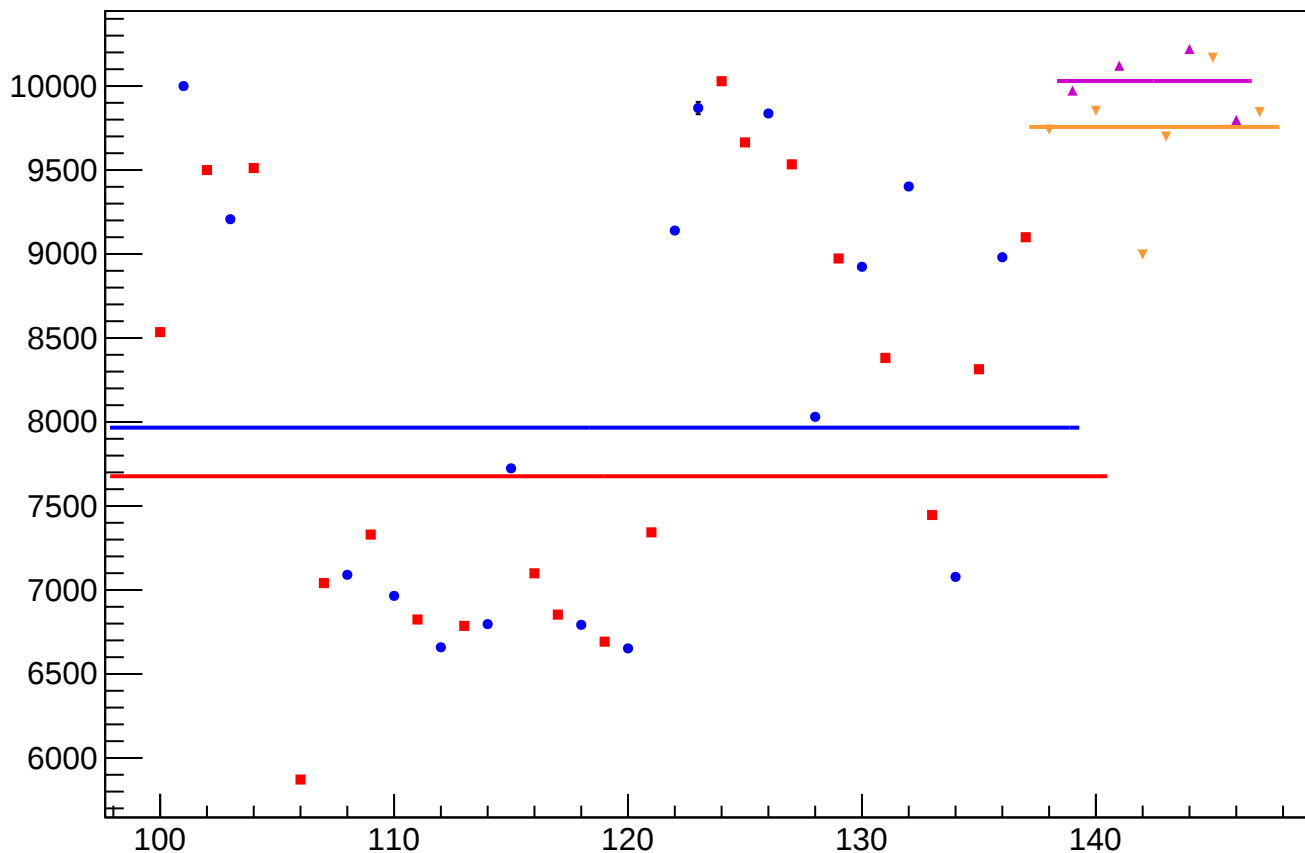
Left In: -22.439 $\pm$ 5.652 χ^2 /NDF: 1.1/3

15.034 $\pm$ 2.616 χ^2 /NDF: 67.5/22

8.599 $\pm$ 1.837 χ^2 /NDF: 132.3/46

2.340 $\pm$ 2.581 χ^2 /NDF: 52.9/23

diff_bpm0l08X_rms vs Slug, Sign Corrected



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

Left Out: 9756.378±/-3.422 χ^2/NDF : 8860.5/5

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

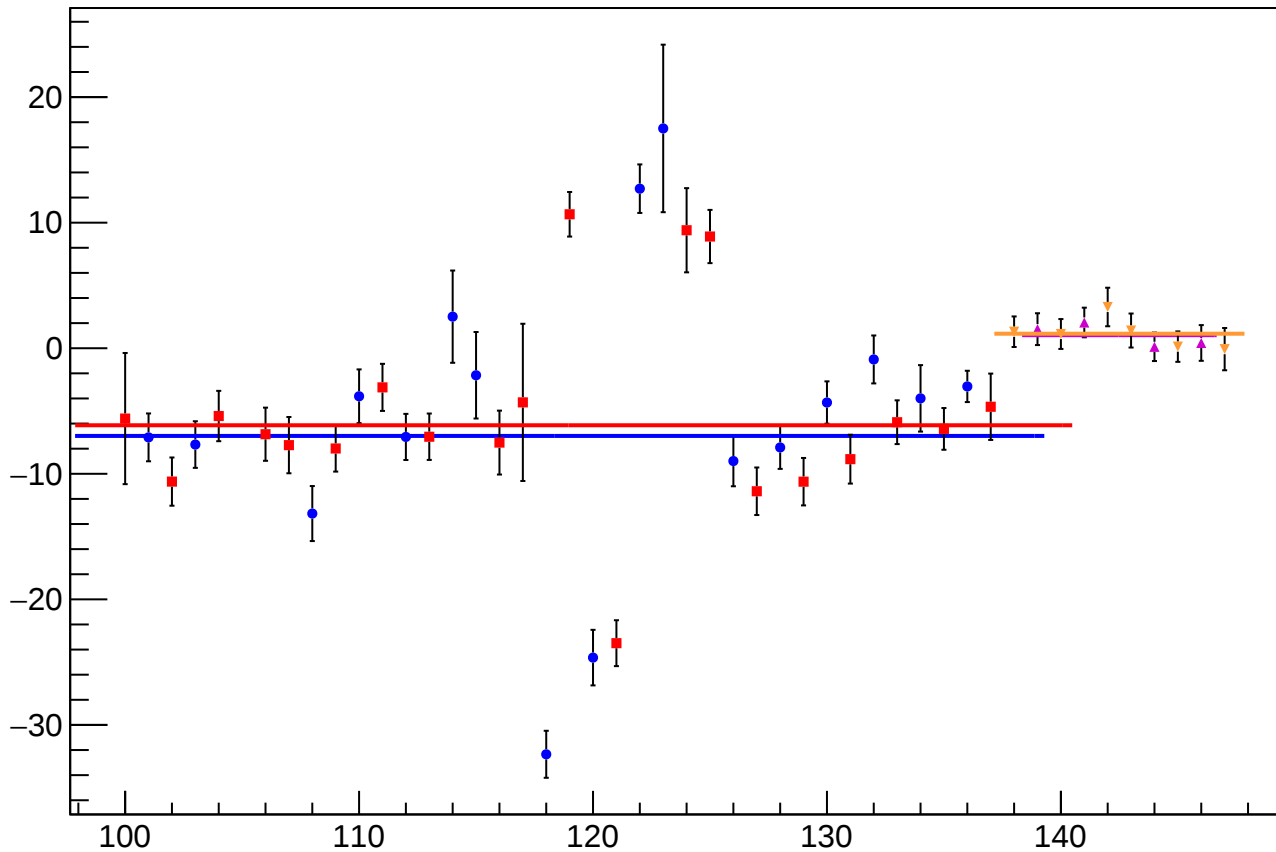
Left In: 10029.775±/-3.996 χ^2/NDF : 1653.7/3

8489.692±/-1.850 χ^2/NDF : 499112.5/22

8326.389±/-1.299 χ^2/NDF : 1106773.8/46

8167.546±/-1.825 χ^2/NDF : 592292.7/23

diff_bpm0l08Y_mean vs Slug, Sign Corrected



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

Left Out: 1.157 ± 0.544 χ^2/NDF : 3.2/5

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

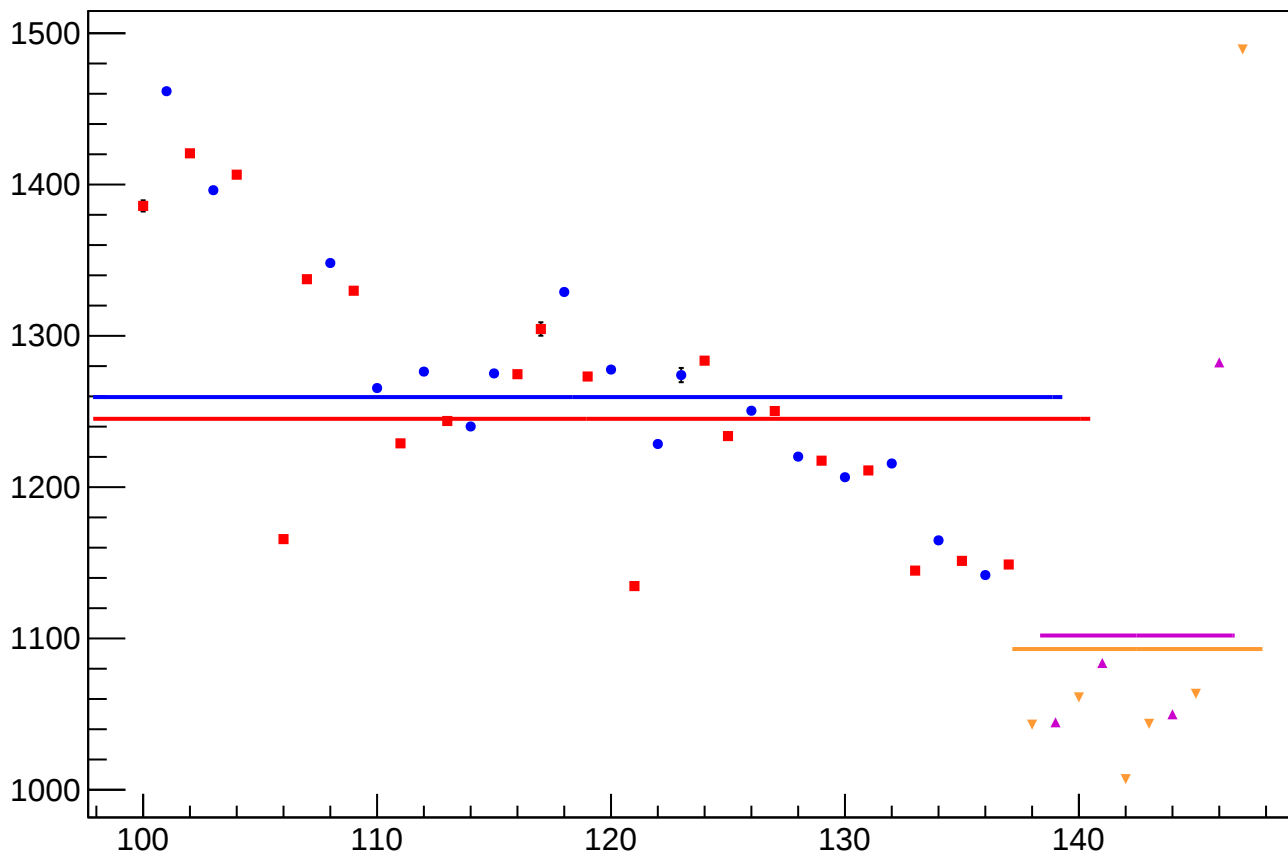
Left In: 1.039 ± 0.619 χ^2/NDF : 1.7/3

-3.366 ± 0.362 χ^2/NDF : 536.3/22

-3.452 ± 0.260 χ^2/NDF : 901.7/46

-3.542 ± 0.372 χ^2/NDF : 365.2/23

diff_bpm0l08Y_rms vs Slug, Sign Corrected



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

Left Out: 1093.015 $\pm$ 0.384 χ^2/NDF : 125837.2/5

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

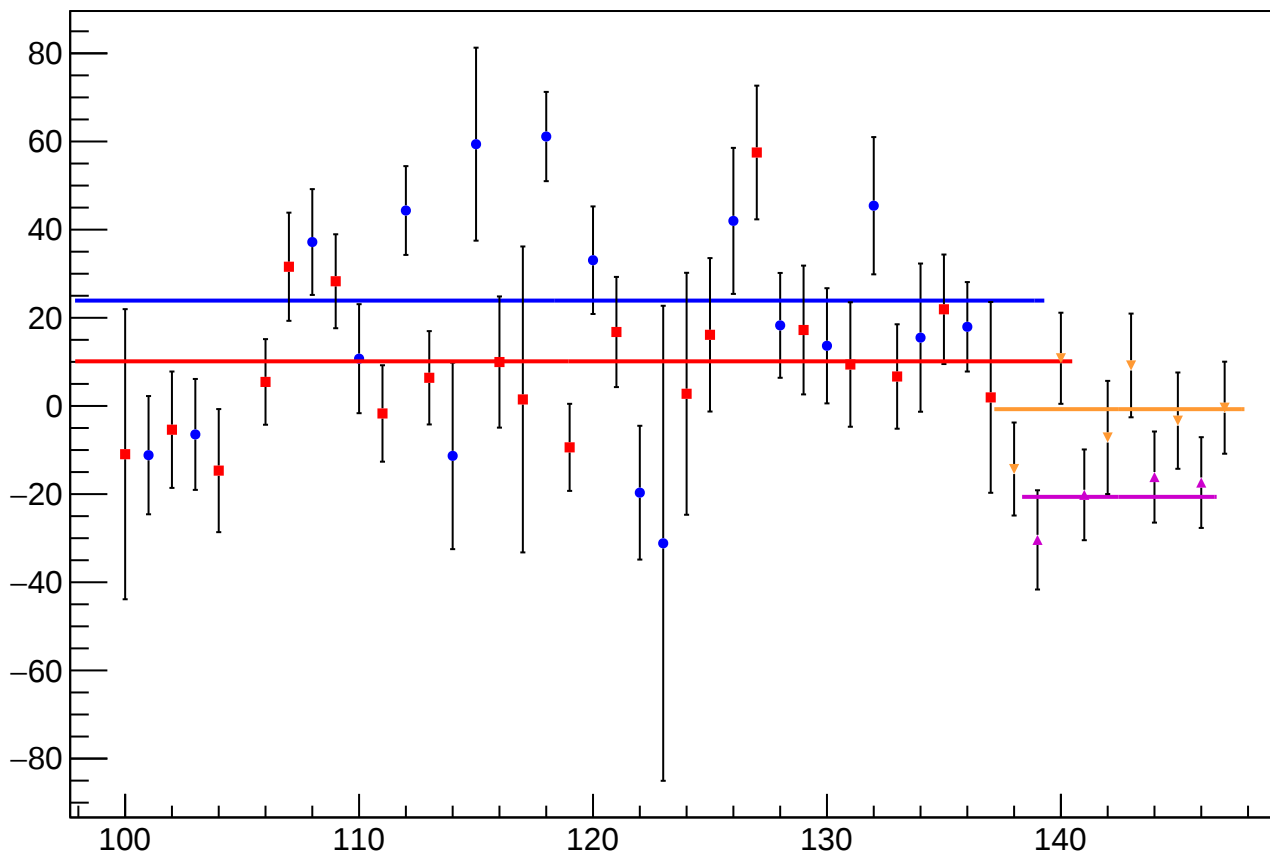
Left In: 1101.952 $\pm$ 0.437 χ^2/NDF : 41002.1/3

1185.518 $\pm$ 0.256 χ^2/NDF : 294961.4/22

1189.362 $\pm$ 0.184 χ^2/NDF : 471885.5/46

1193.411 $\pm$ 0.263 χ^2/NDF : 176461.9/23

diff_bpm0l09X_mean vs Slug, Sign Corrected



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

Left Out: -0.727 $\pm$ 4.509 χ^2/NDF : 3.9/5

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

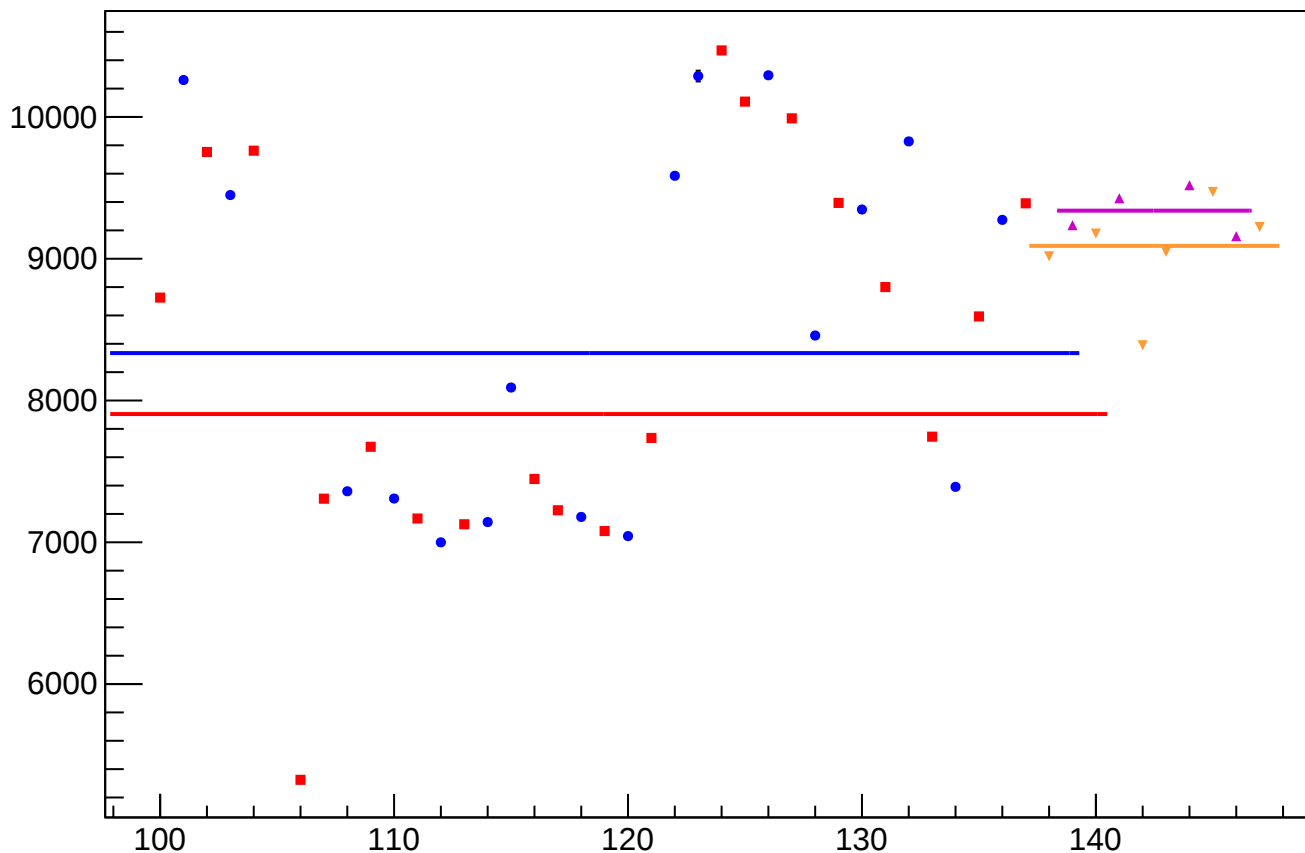
Left In: -20.623 $\pm$ 5.261 χ^2/NDF : 1.0/3

15.480 $\pm$ 2.637 χ^2/NDF : 76.0/22

8.956 $\pm$ 1.852 χ^2/NDF : 142.9/46

2.602 $\pm$ 2.602 χ^2/NDF : 54.8/23

diff_bpm0l09X_rms vs Slug, Sign Corrected



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

Left Out: 9090.674 $\pm$ 3.188 χ^2/NDF :8972.2/5

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

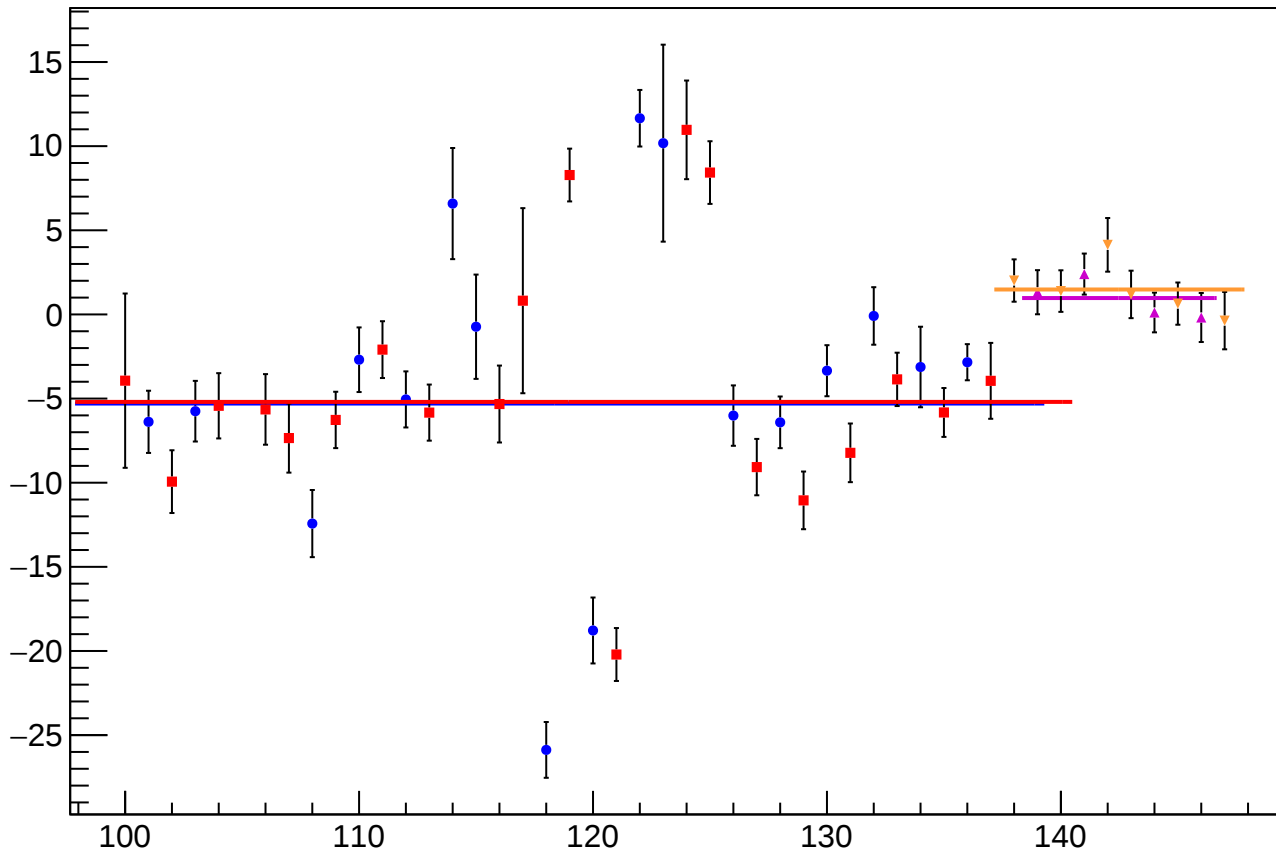
Left In: 9339.126 $\pm$ 3.720 χ^2/NDF :1526.9/3

8593.132 $\pm$ 1.864 χ^2/NDF : 318291.3/22

8422.118 $\pm$ 1.310 χ^2/NDF : 840336.2/46

8255.528 $\pm$ 1.840 χ^2/NDF : 505436.1/23

diff_bpm0l09Y_mean vs Slug, Sign Corrected



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

Left Out: 1.482 ± 0.562 χ^2/NDF : 4.6/5

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

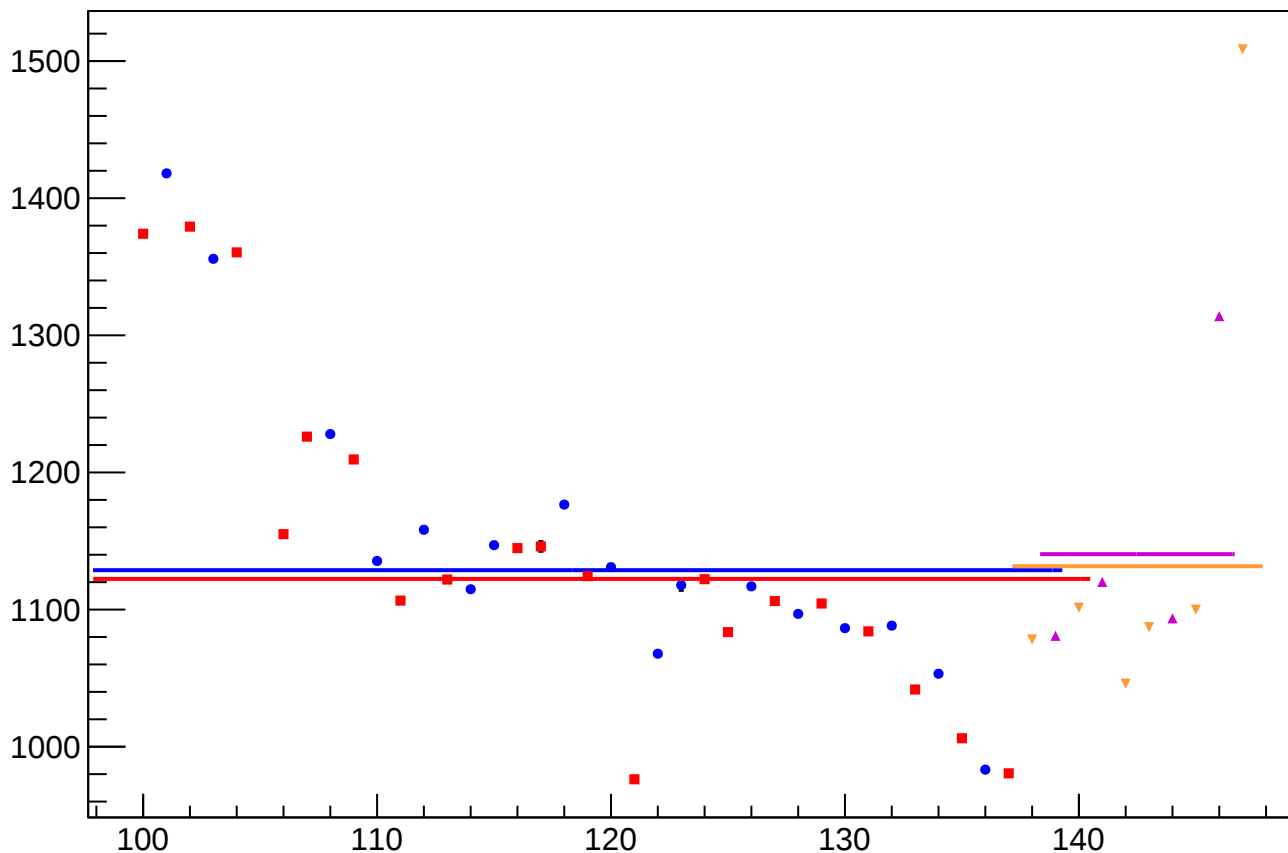
Left In: 0.973 ± 0.640 χ^2/NDF : 2.6/3

-2.744 ± 0.345 χ^2/NDF : 453.4/22

-3.035 ± 0.246 χ^2/NDF : 805.5/46

-3.337 ± 0.351 χ^2/NDF : 350.6/23

diff_bpm0l09Y_rms vs Slug, Sign Corrected



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

Left Out: 1131.626 $\pm$ 0.398 χ^2/NDF : 111617.2/5

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

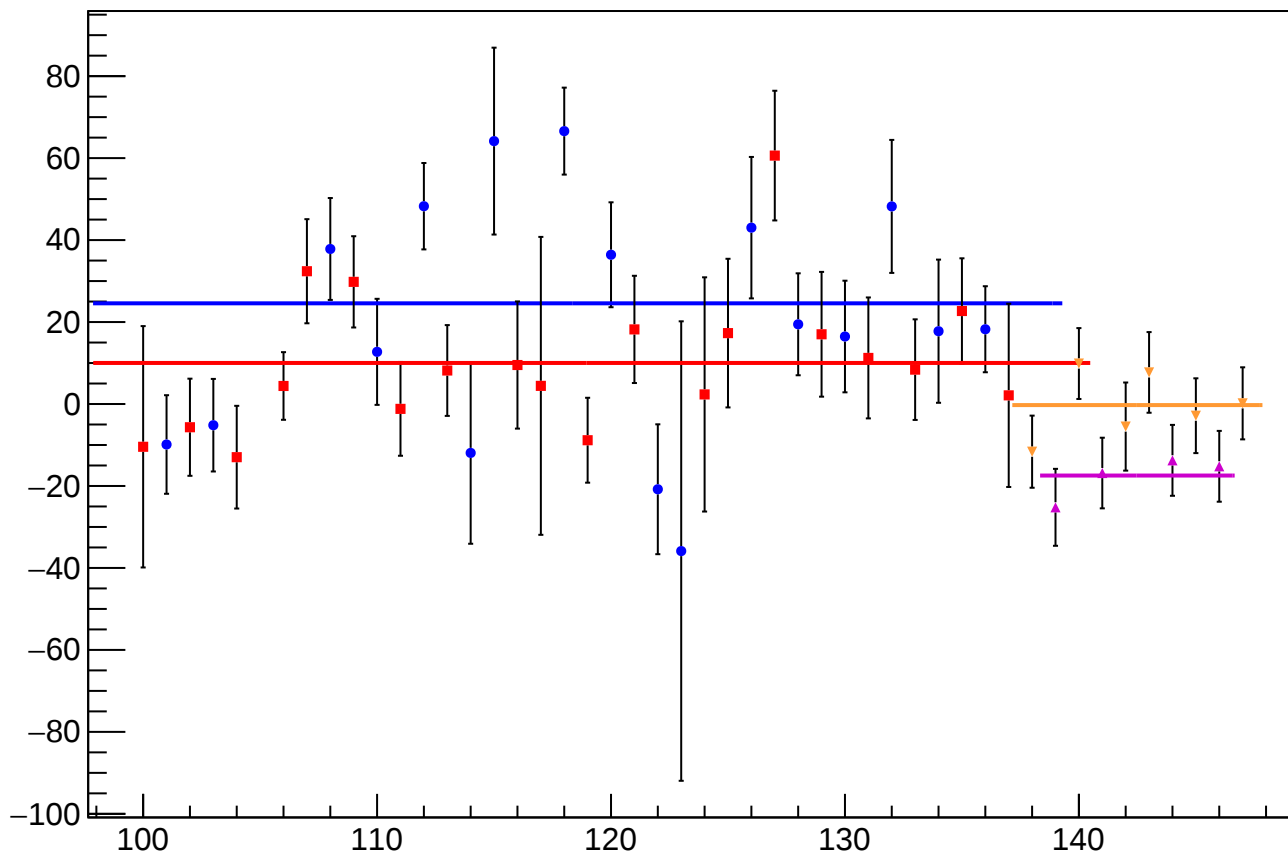
Left In: 1140.416 $\pm$ 0.452 χ^2/NDF : 36211.4/3

1129.826 $\pm$ 0.244 χ^2/NDF : 244746.9/22

1128.840 $\pm$ 0.174 χ^2/NDF : 411740.8/46

1127.816 $\pm$ 0.248 χ^2/NDF : 166960.6/23

diff_bpm0l10X_mean vs Slug, Sign Corrected



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

Left Out: -0.260 $\pm$ 3.774 χ^2/NDF : 4.0/5

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

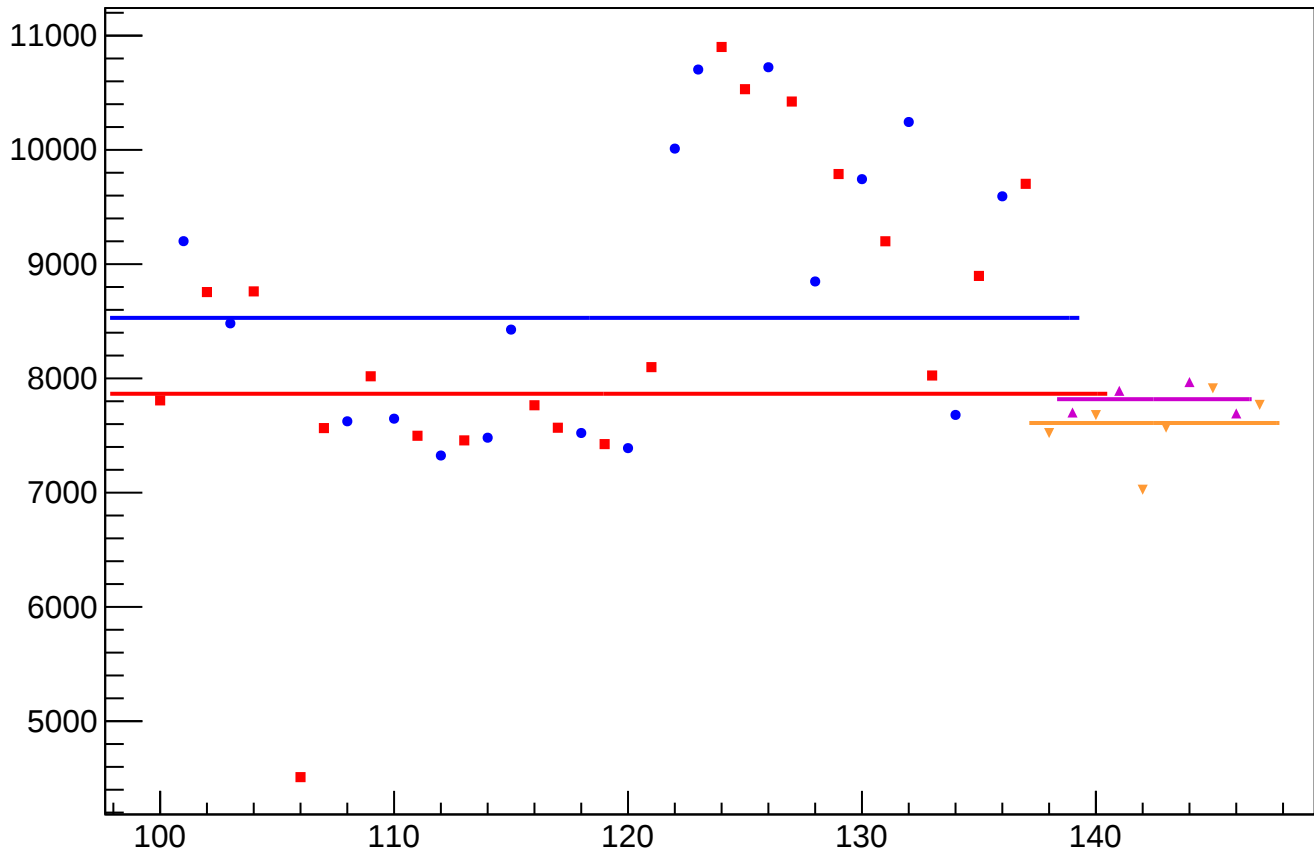
Left In: -17.453 $\pm$ 4.403 χ^2/NDF : 0.9/3

13.742 $\pm$ 2.492 χ^2/NDF : 86.5/22

7.496 $\pm$ 1.757 χ^2/NDF : 155.4/46

1.320 $\pm$ 2.478 χ^2/NDF : 56.4/23

diff_bpm0l10X_rms vs Slug, Sign Corrected



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

Left Out: 7609.773 $\pm$ 2.668 χ^2/NDF : 9120.0/5

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

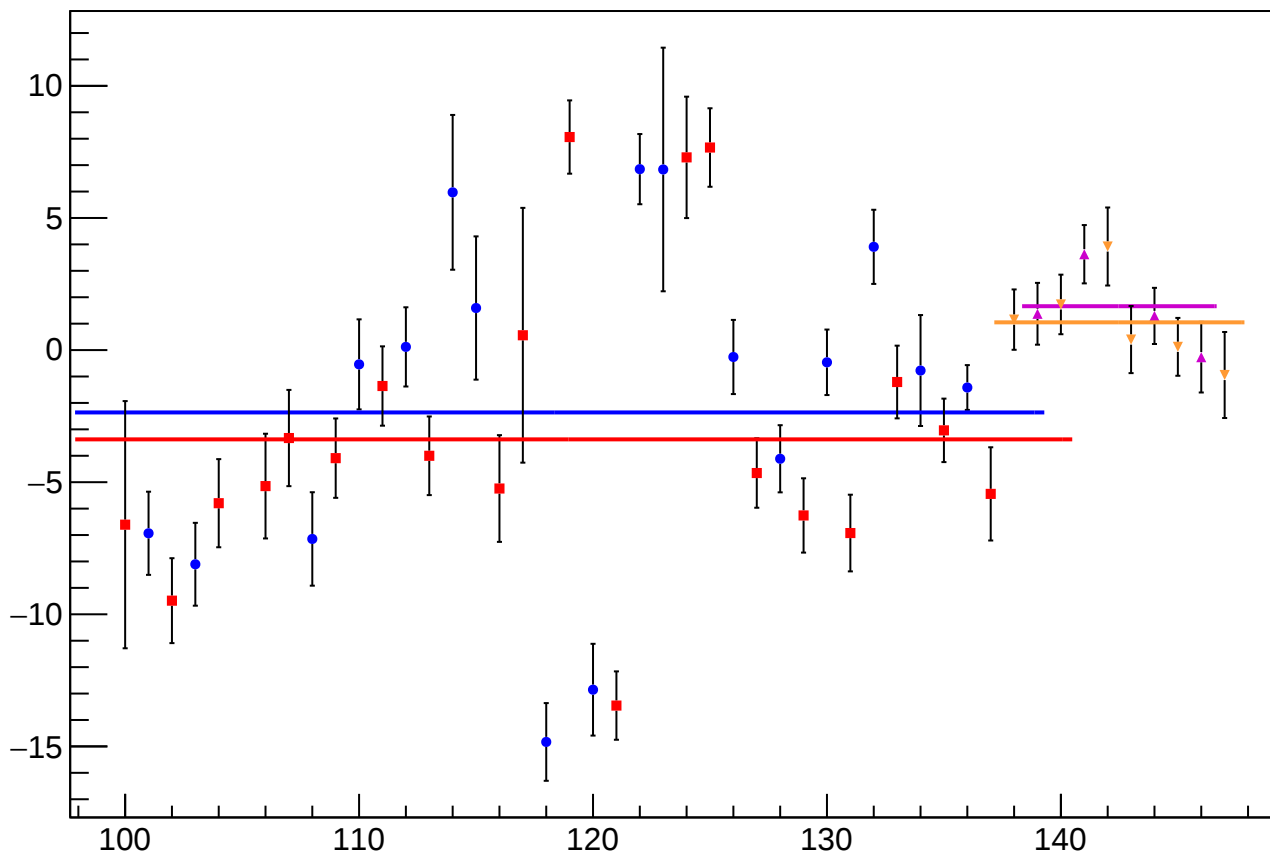
Left In: 7818.165 $\pm$ 3.114 χ^2/NDF : 1468.0/3

8128.636 $\pm$ 1.762 χ^2/NDF : 284496.3/22

7988.797 $\pm$ 1.242 χ^2/NDF : 854623.3/46

7850.545 $\pm$ 1.752 χ^2/NDF : 557602.6/23

diff_bpm0l10Y_mean vs Slug, Sign Corrected



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

Left Out: 1.050 ± 0.510 χ^2/NDF : 6.6/5

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

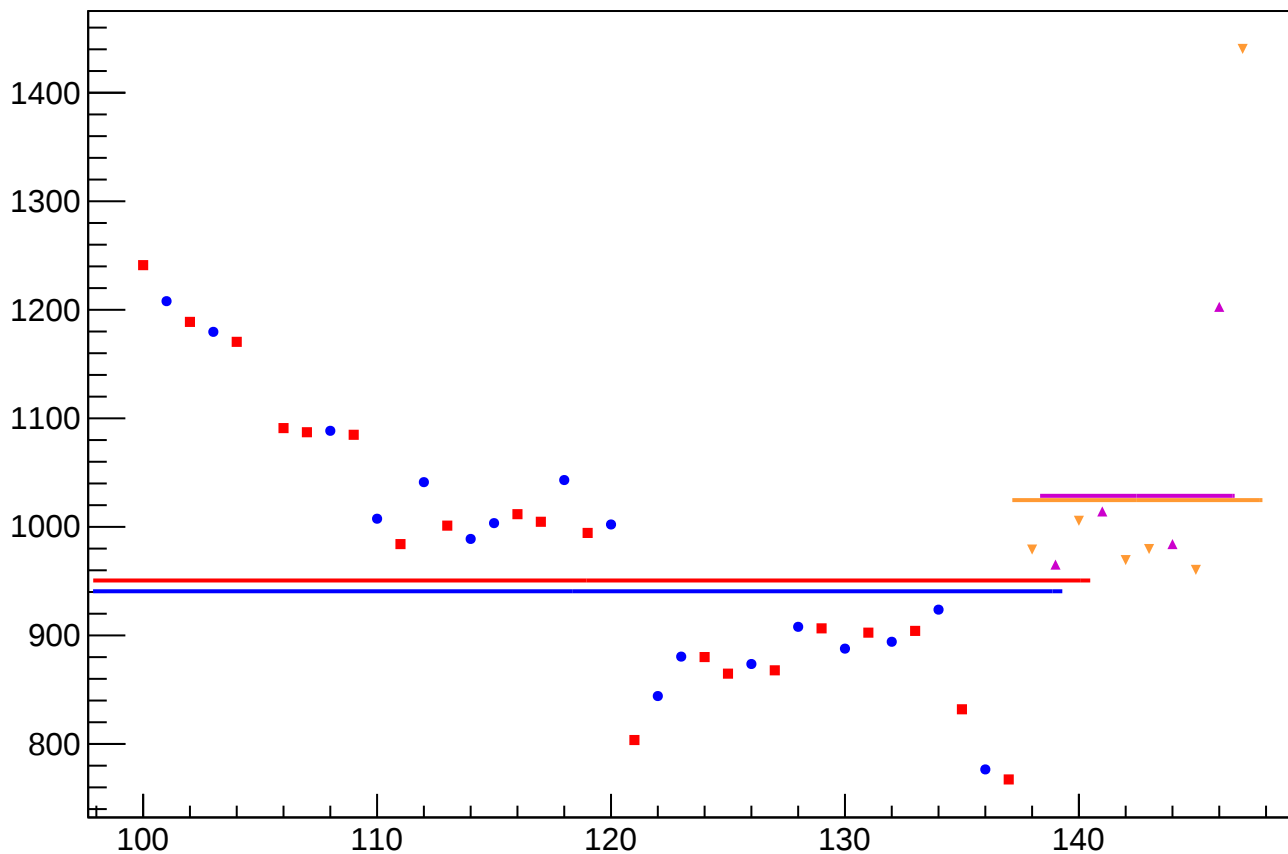
Left In: 1.661 ± 0.578 χ^2/NDF : 5.4/3

-1.203 ± 0.297 χ^2/NDF : 268.2/22

-1.585 ± 0.212 χ^2/NDF : 574.1/46

-1.985 ± 0.304 χ^2/NDF : 302.6/23

diff_bpm0l10Y_rms vs Slug, Sign Corrected



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

Left Out: 1024.667 $\pm$ 0.361 χ^2/NDF : 146369.8/5

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

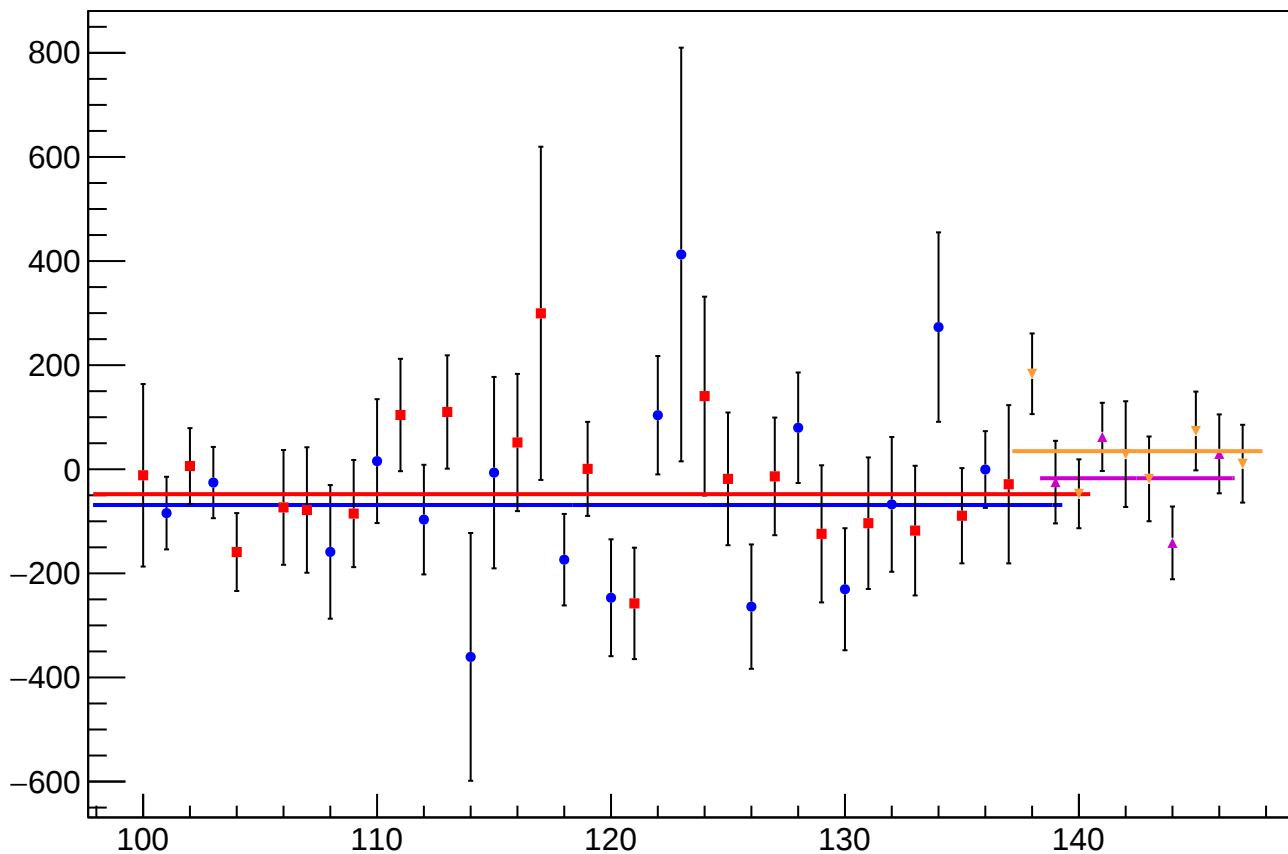
Left In: 1028.624 $\pm$ 0.408 χ^2/NDF : 43657.9/3

969.181 $\pm$ 0.210 χ^2/NDF : 423959.3/22

970.654 $\pm$ 0.150 χ^2/NDF : 715035.0/46

972.194 $\pm$ 0.215 χ^2/NDF : 290975.1/23

diff_bpm0r03X_mean vs Slug, Sign Corrected



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

Left Out: 34.749 $\pm$ 31.681 χ^2/NDF : 6.0/5

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

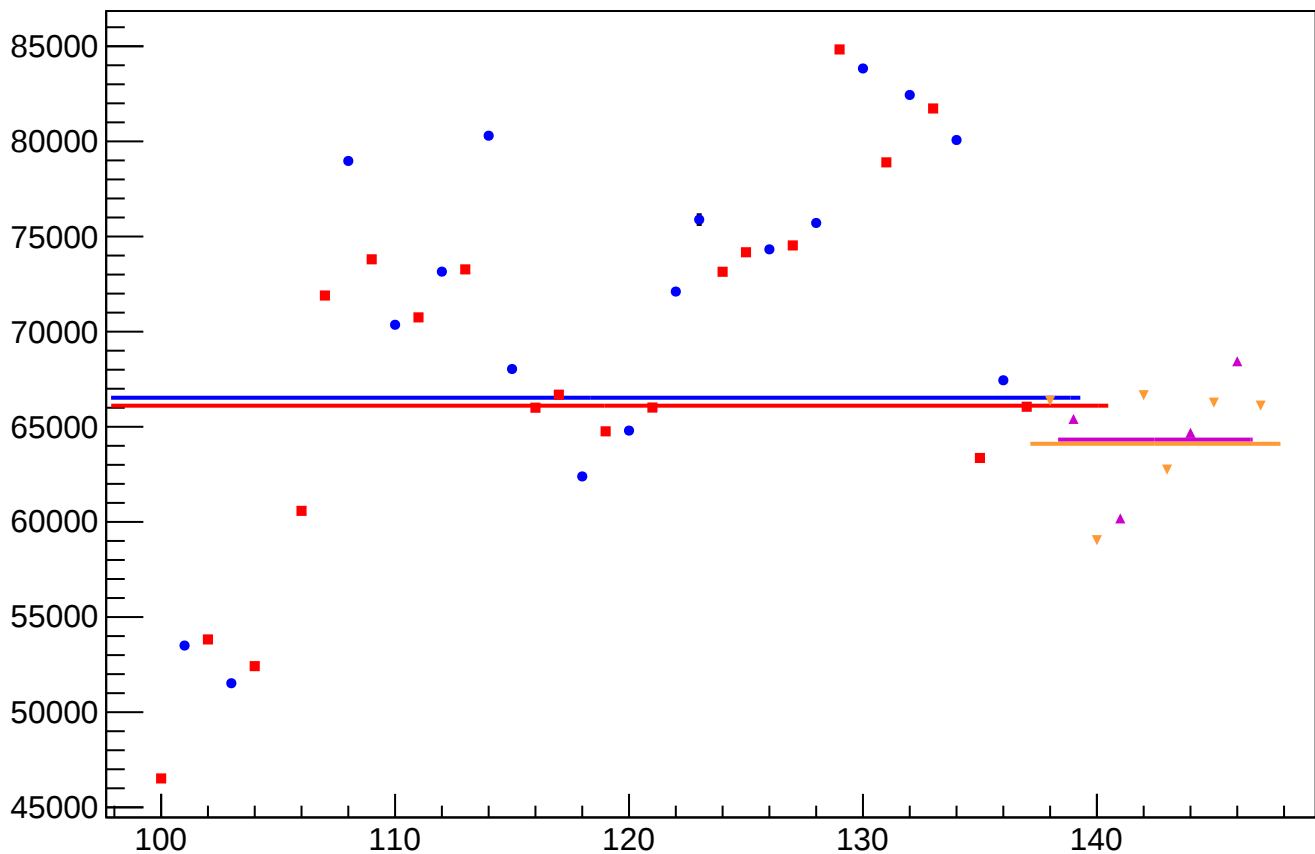
Left In: -17.259 $\pm$ 36.032 χ^2/NDF : 5.0/3

-27.163 $\pm$ 20.073 χ^2/NDF : 34.2/22

-32.431 $\pm$ 14.345 χ^2/NDF : 55.0/46

-37.930 $\pm$ 20.509 χ^2/NDF : 20.7/23

diff_bpm0r03X_rms vs Slug, Sign Corrected



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

Left Out: 64106.282 ± 22.402 χ^2/NDF : 18301.4/5

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

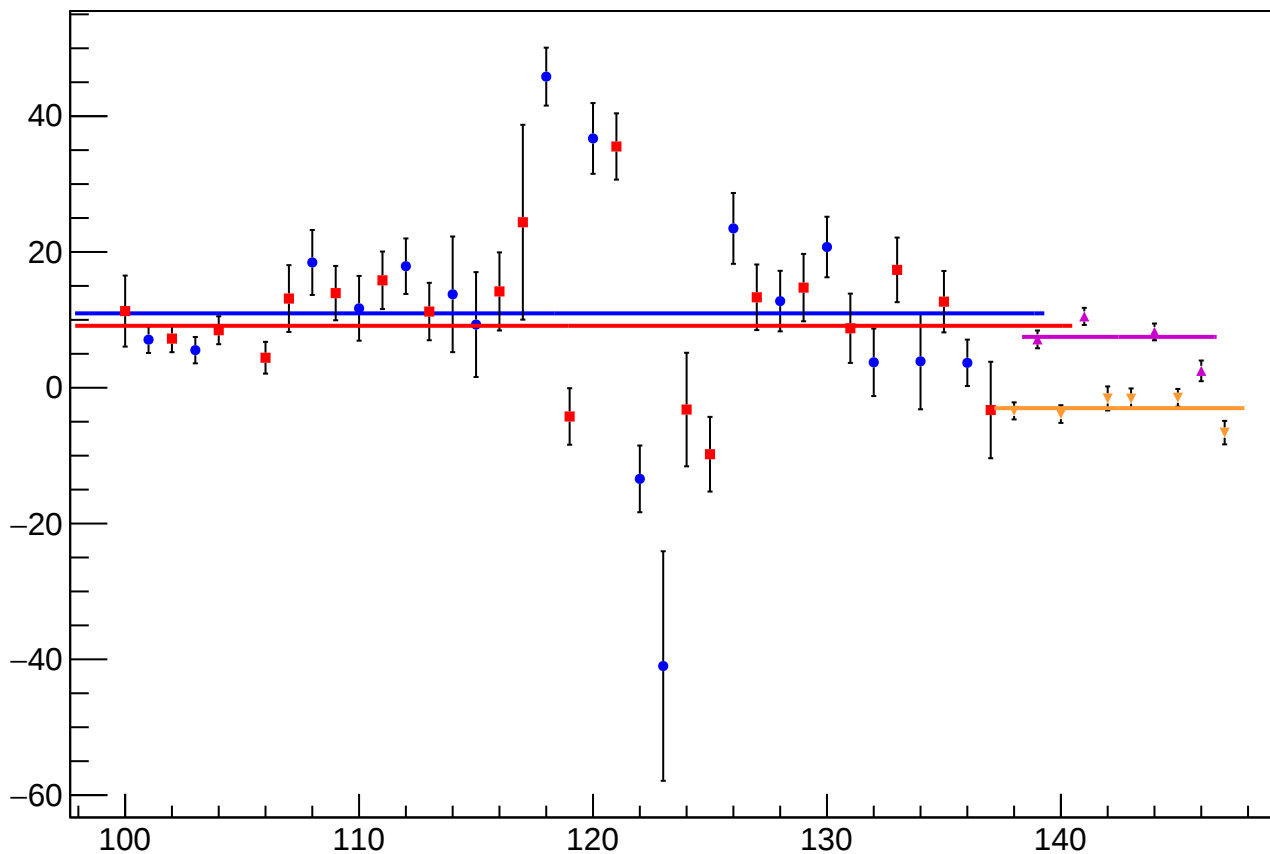
Left In: 64326.395 ± 25.478 χ^2/NDF : 14309.7/3

65555.352 ± 14.194 χ^2/NDF : 346179.1/22

65543.801 ± 10.144 χ^2/NDF : 662292.8/4

65531.743 ± 14.502 χ^2/NDF : 316112.3/23

diff_bpm0r03Y_mean vs Slug, Sign Corrected



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

Left Out: -3.004 ± 0.587 χ^2/NDF : 7.8/5

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

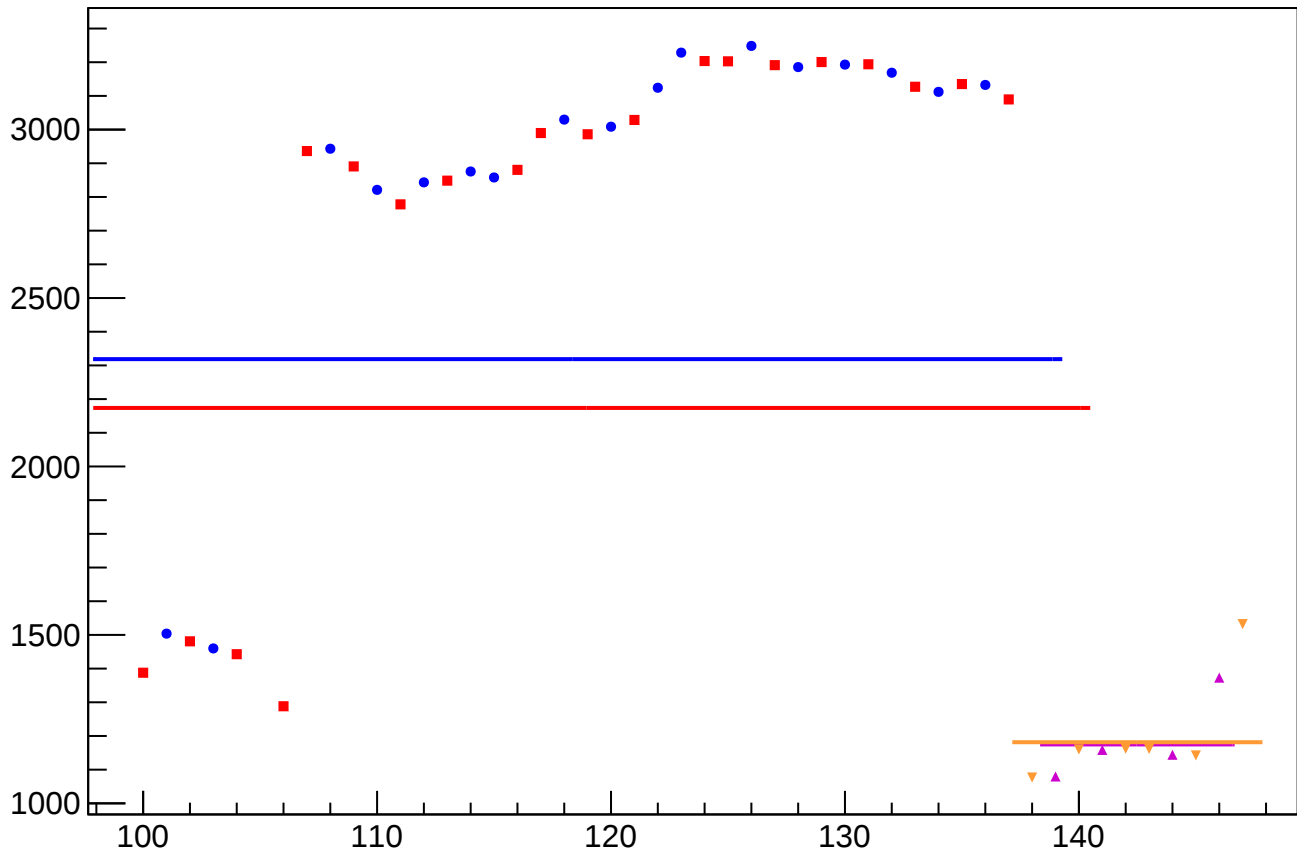
Left In: 7.493 ± 0.660 χ^2/NDF : 17.0/3

0.890 ± 0.498 χ^2/NDF : 326.7/22

4.306 ± 0.361 χ^2/NDF : 519.4/46

8.094 ± 0.524 χ^2/NDF : 93.5/23

diff_bpm0r03Y_rms vs Slug, Sign Corrected



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

Left Out: 1181.447+/-0.415 χ^2/NDF : 98830.9/5

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

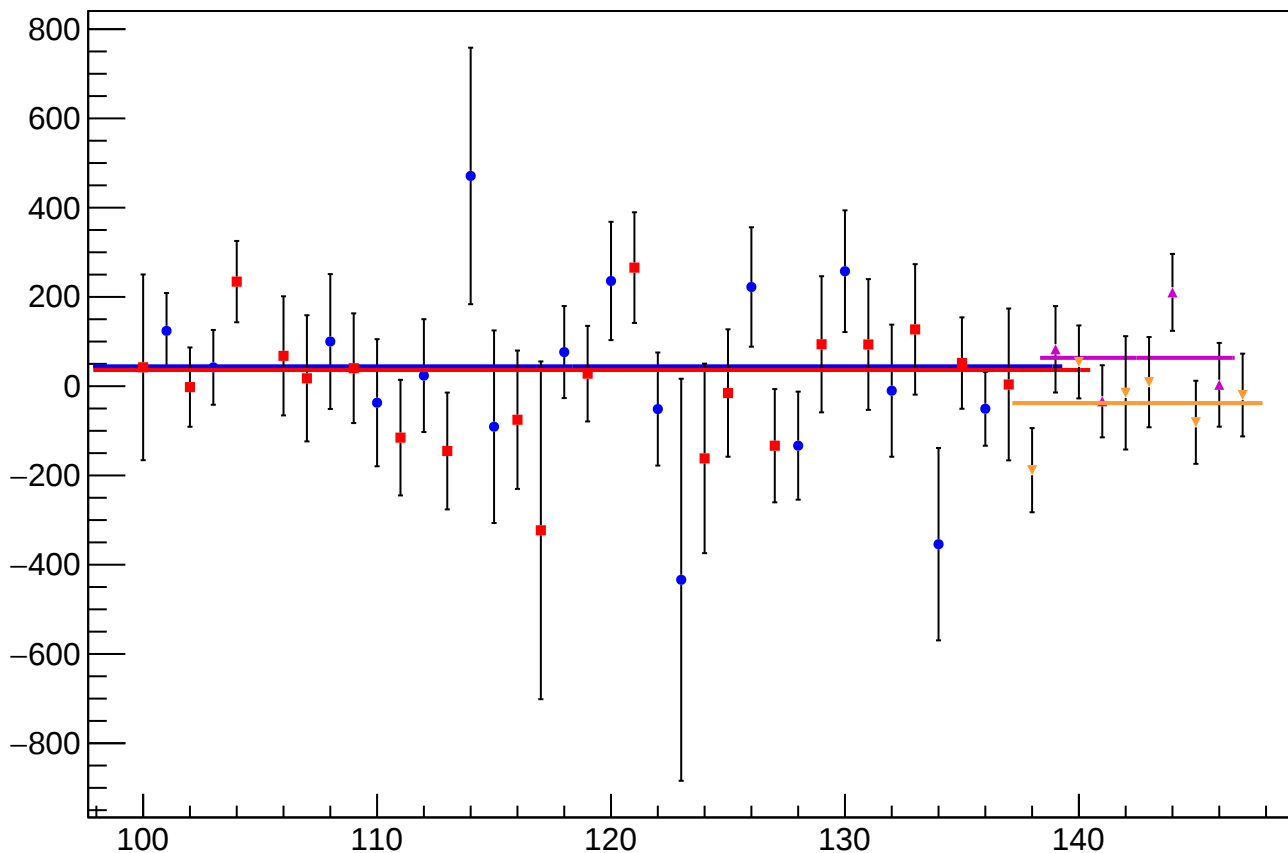
Left In: 1174.898+/-0.466 χ^2/NDF : 46055.3/3

1498.593+/-0.352 χ^2/NDF : 3603639.9/22

1519.300+/-0.255 χ^2/NDF : 7104165.0/46

1542.256+/-0.371 χ^2/NDF : 3493236.1/23

diff_bpm0r05X_mean vs Slug, Sign Corrected



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

Left Out: -37.795 ± 39.109 χ^2/NDF : 4.3/5

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

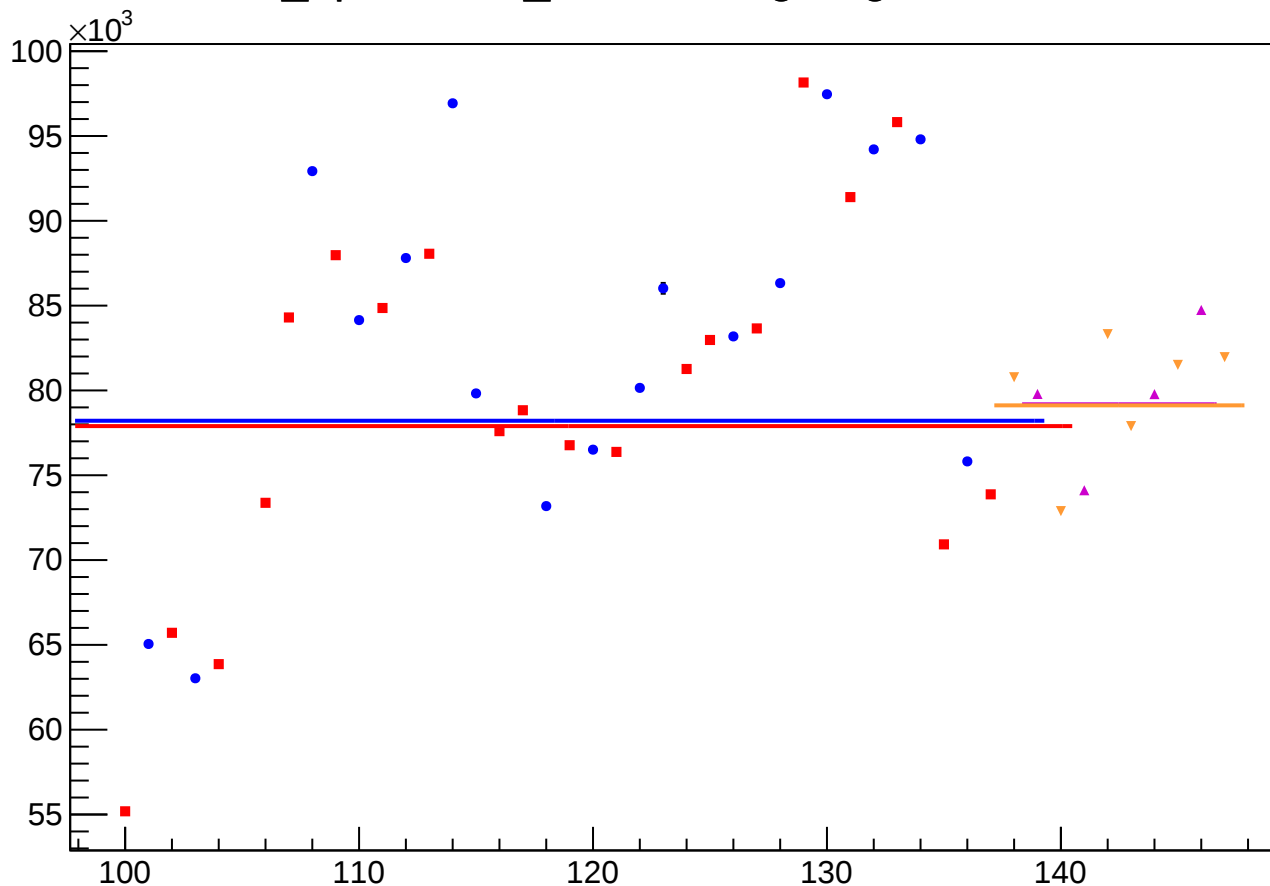
Left In: 63.492 ± 44.363 χ^2/NDF : 4.8/3

13.454 ± 24.017 χ^2/NDF : 26.2/22

28.705 ± 17.143 χ^2/NDF : 48.7/46

44.543 ± 24.476 χ^2/NDF : 21.7/23

diff_bpm0r05X_rms vs Slug, Sign Corrected



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

Left Out: 79120.254 $\pm$ 27.654 χ^2/NDF : 17928.0/5

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

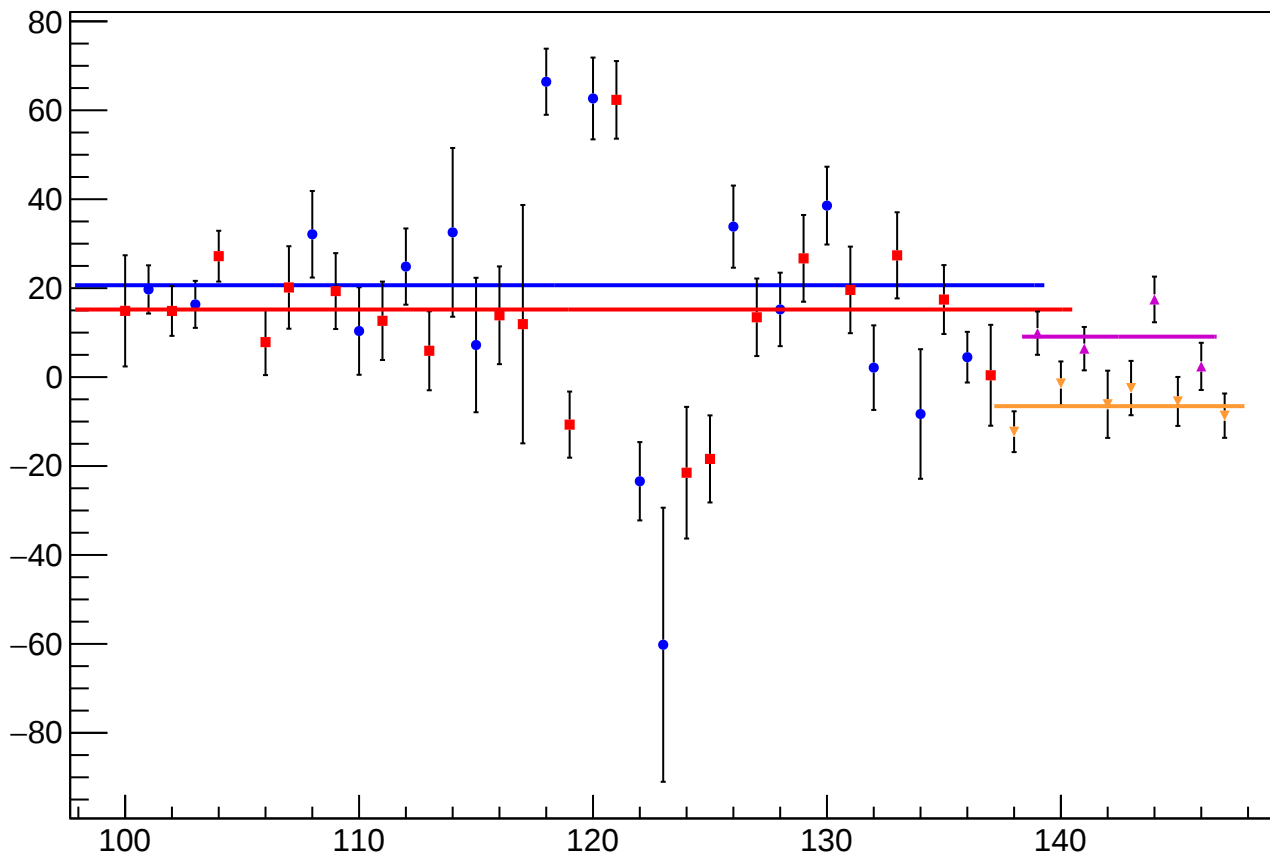
Left In: 79183.648 $\pm$ 31.370 χ^2/NDF : 15071.6/3

78555.170 $\pm$ 16.983 χ^2/NDF : 269655.0/22

78424.627 $\pm$ 12.122 χ^2/NDF : 532998.7/4

78289.052 $\pm$ 17.307 χ^2/NDF : 263223.2/23

diff_bpm0r05Y_mean vs Slug, Sign Corrected



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

Left Out: -6.537 $\pm$ 2.205 χ^2/NDF : 3.3/5

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

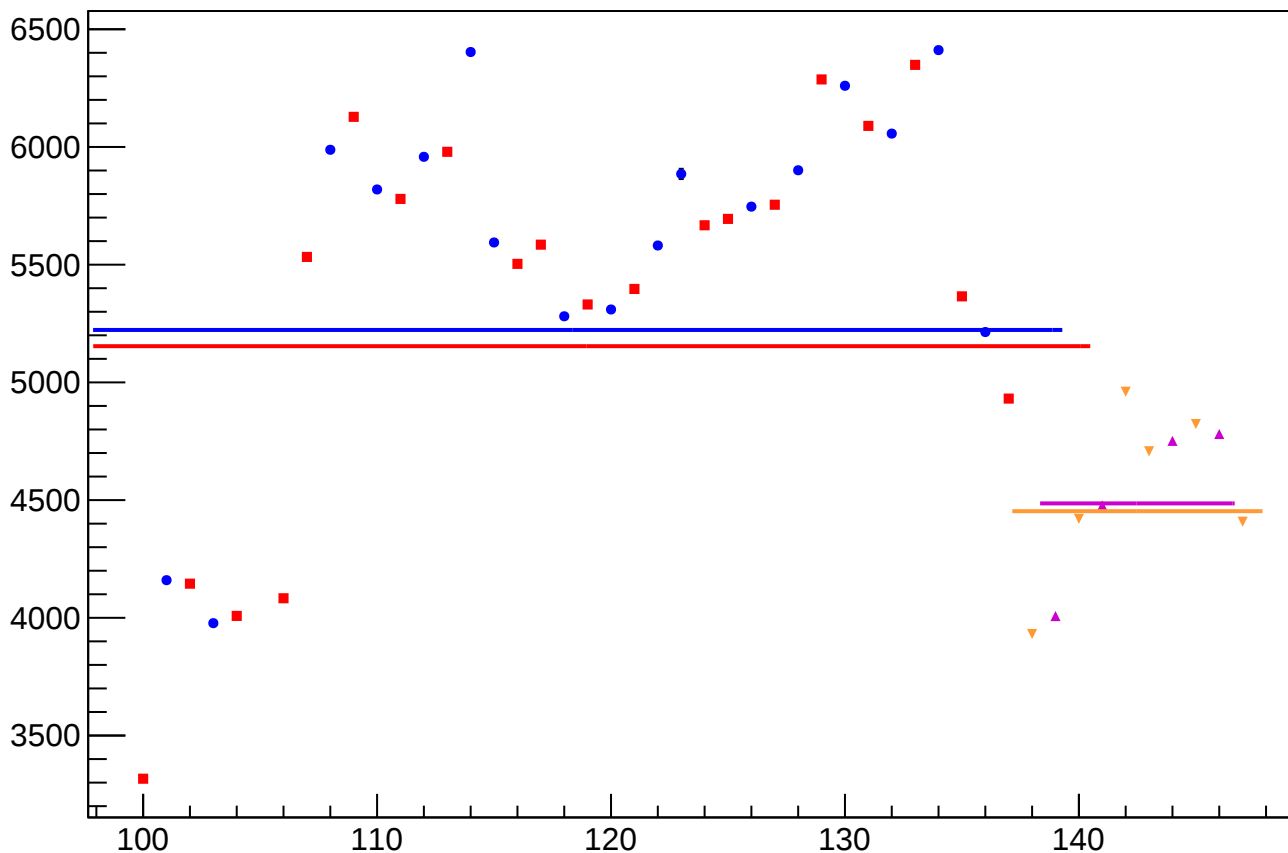
Left In: 9.093 $\pm$ 2.519 χ^2/NDF : 4.6/3

8.143 $\pm$ 1.496 χ^2/NDF : 203.1/22

10.455 $\pm$ 1.074 χ^2/NDF : 287.6/46

12.911 $\pm$ 1.542 χ^2/NDF : 79.6/23

diff_bpm0r05Y_rms vs Slug, Sign Corrected



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

Left Out: 4452.953 $\pm$ 1.559 χ^2/NDF : 47630.8/5

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

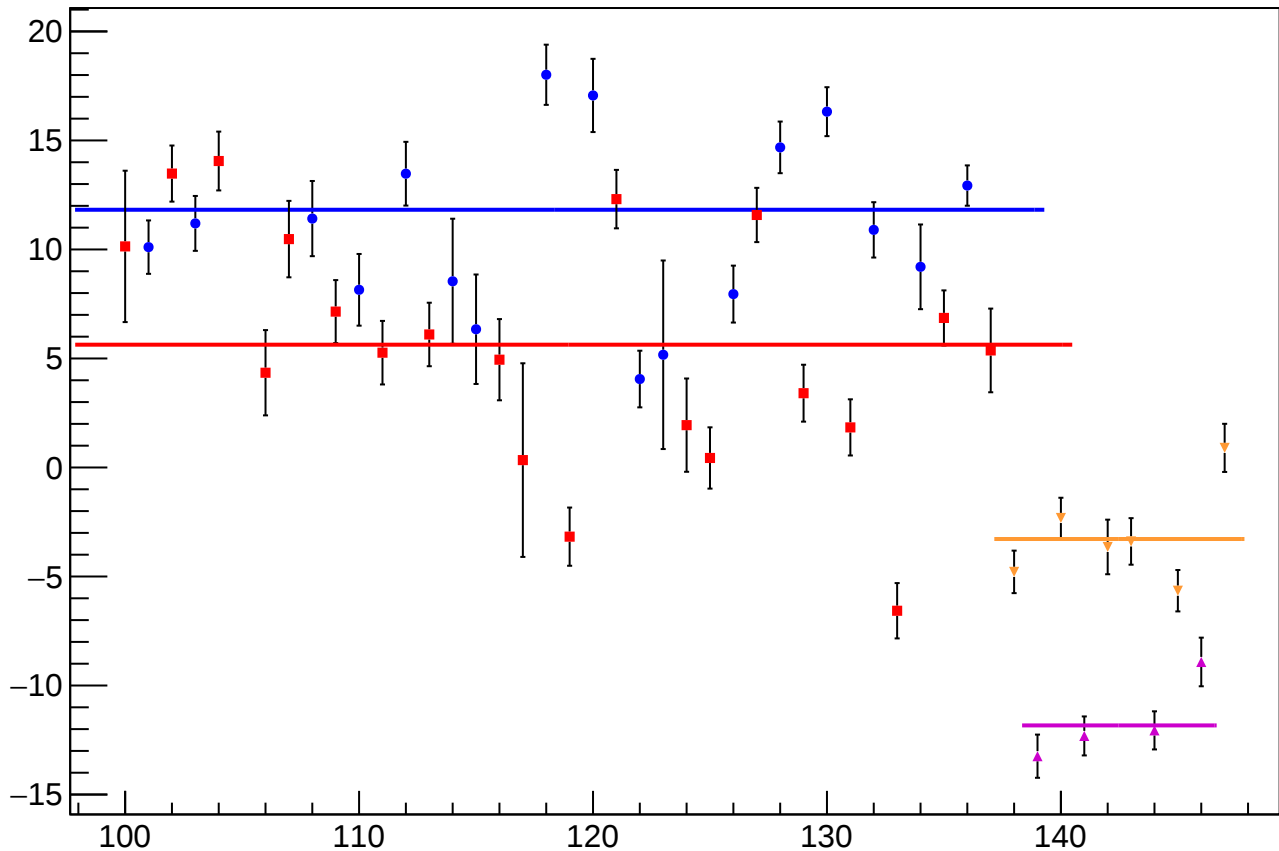
Left In: 4486.022 $\pm$ 1.781 χ^2/NDF : 30831.6/3

4868.507 $\pm$ 1.058 χ^2/NDF : 491722.2/22

4885.558 $\pm$ 0.759 χ^2/NDF : 999202.6/46

4903.672 $\pm$ 1.090 χ^2/NDF : 506944.5/23

diff_bpm2i01X_mean vs Slug, Sign Corrected



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

Left Out: -3.280 $\pm$ 0.420 χ^2/NDF : 24.1/5

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

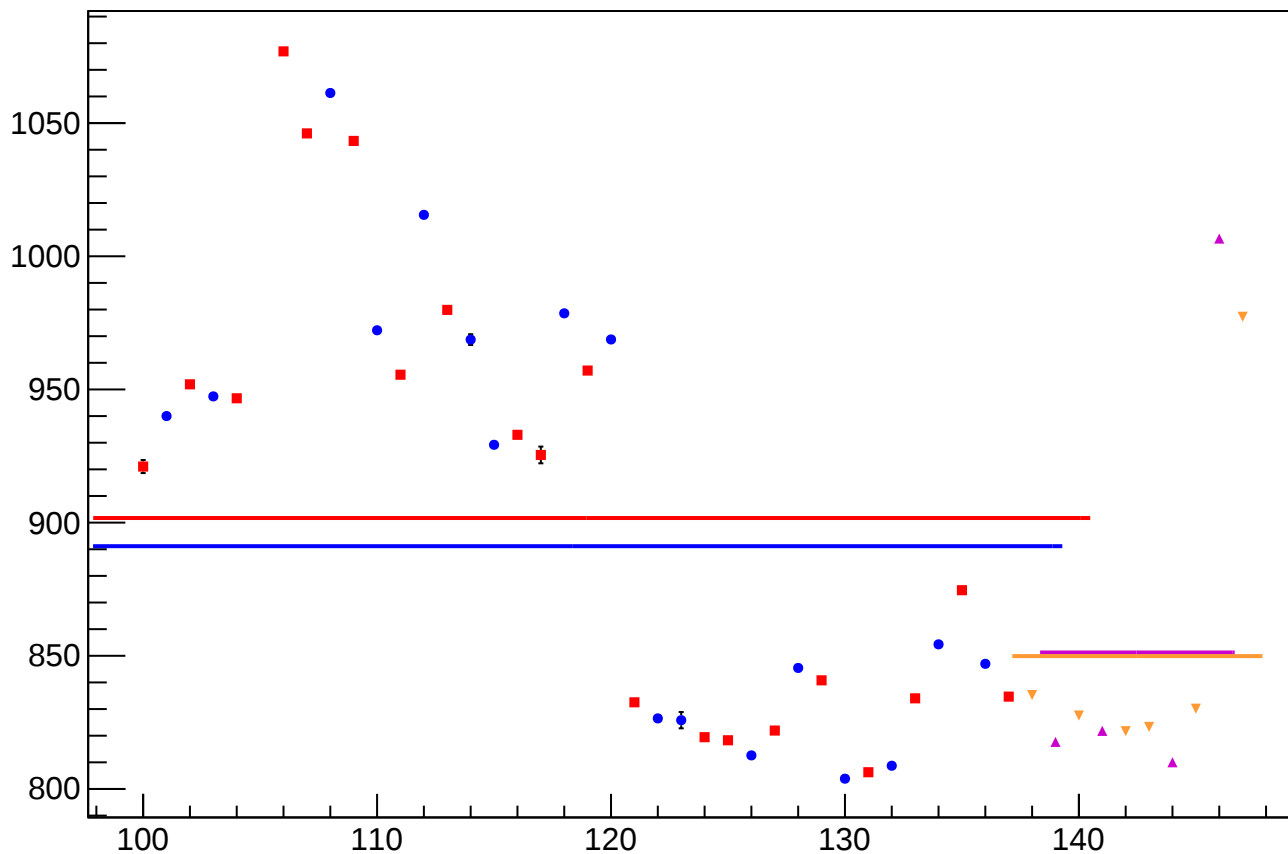
Left In: -11.830 $\pm$ 0.478 χ^2/NDF : 9.2/3

5.753 $\pm$ 0.266 χ^2/NDF : 913.3/22

2.887 $\pm$ 0.192 χ^2/NDF : 2354.9/46

-0.181 $\pm$ 0.276 χ^2/NDF : 1202.0/23

diff_bpm2i01X_rms vs Slug, Sign Corrected



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

Left Out: 849.877 $\pm$ 0.297 χ^2 /NDF:31358.9/5

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

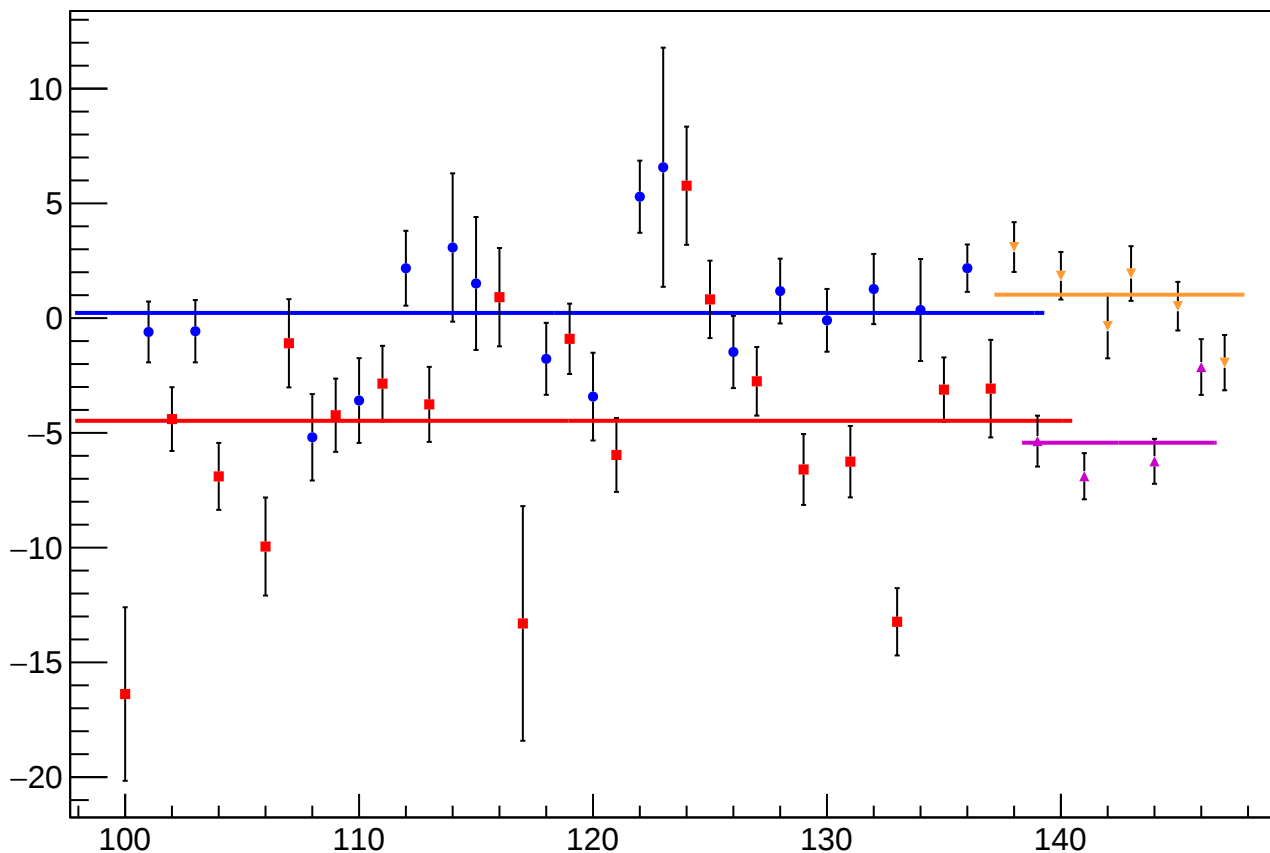
Left In: 851.241 $\pm$ 0.338 χ^2 /NDF:47733.7/3

874.565 $\pm$ 0.188 χ^2 /NDF: 144552.9/22

879.566 $\pm$ 0.135 χ^2 /NDF: 323292.3/46

884.919 $\pm$ 0.195 χ^2 /NDF: 177280.5/23

diff_bpm2i01Y_mean vs Slug, Sign Corrected



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

Left Out: 1.021 $\pm$ 0.468 χ^2/NDF : 12.1/5

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

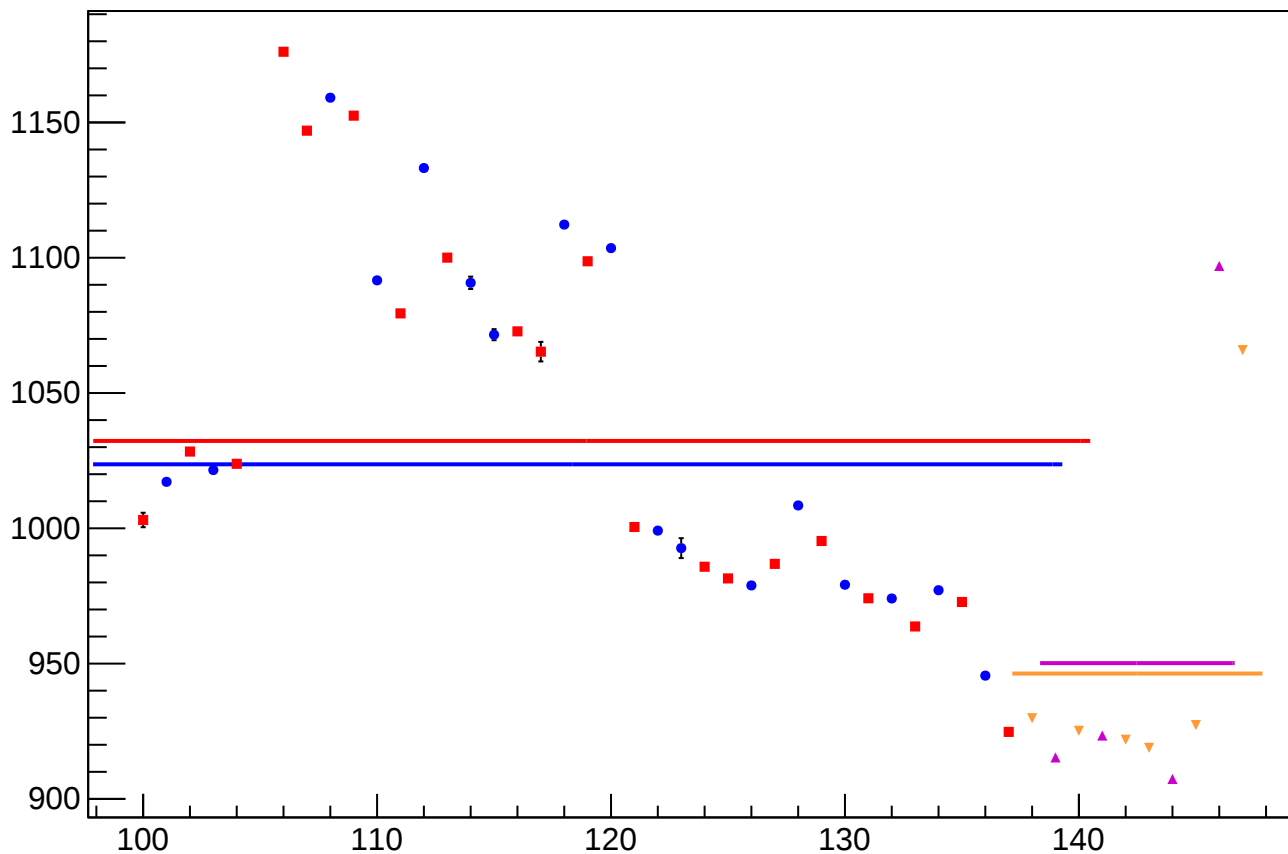
Left In: -5.429 $\pm$ 0.533 χ^2/NDF : 10.2/3

0.557 $\pm$ 0.302 χ^2/NDF : 52.3/22

-2.030 $\pm$ 0.217 χ^2/NDF : 323.2/46

-4.802 $\pm$ 0.312 χ^2/NDF : 118.6/23

diff_bpm2i01Y_rms vs Slug, Sign Corrected



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

Left Out: 946.329 $\pm$ 0.331 χ^2/NDF : 23323.0/5

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

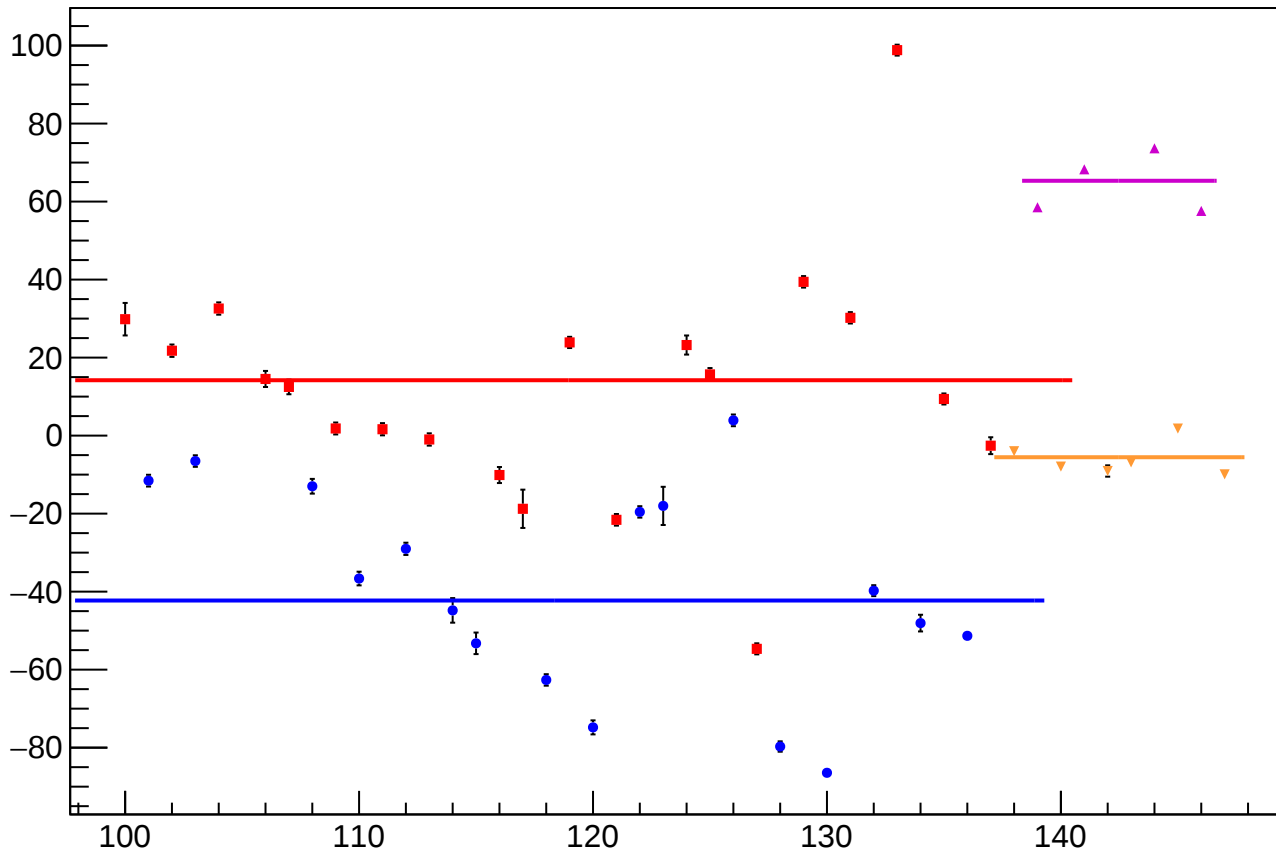
Left In: 950.179 $\pm$ 0.377 χ^2/NDF : 36405.7/3

991.464 $\pm$ 0.213 χ^2/NDF : 107605.7/22

997.548 $\pm$ 0.153 χ^2/NDF : 236348.6/46

1004.066 $\pm$ 0.221 χ^2/NDF : 127059.2/23

diff_bpm2i02X_mean vs Slug, Sign Corrected



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

Left Out: -5.542 ± 0.482 χ^2/NDF : 70.9/5

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

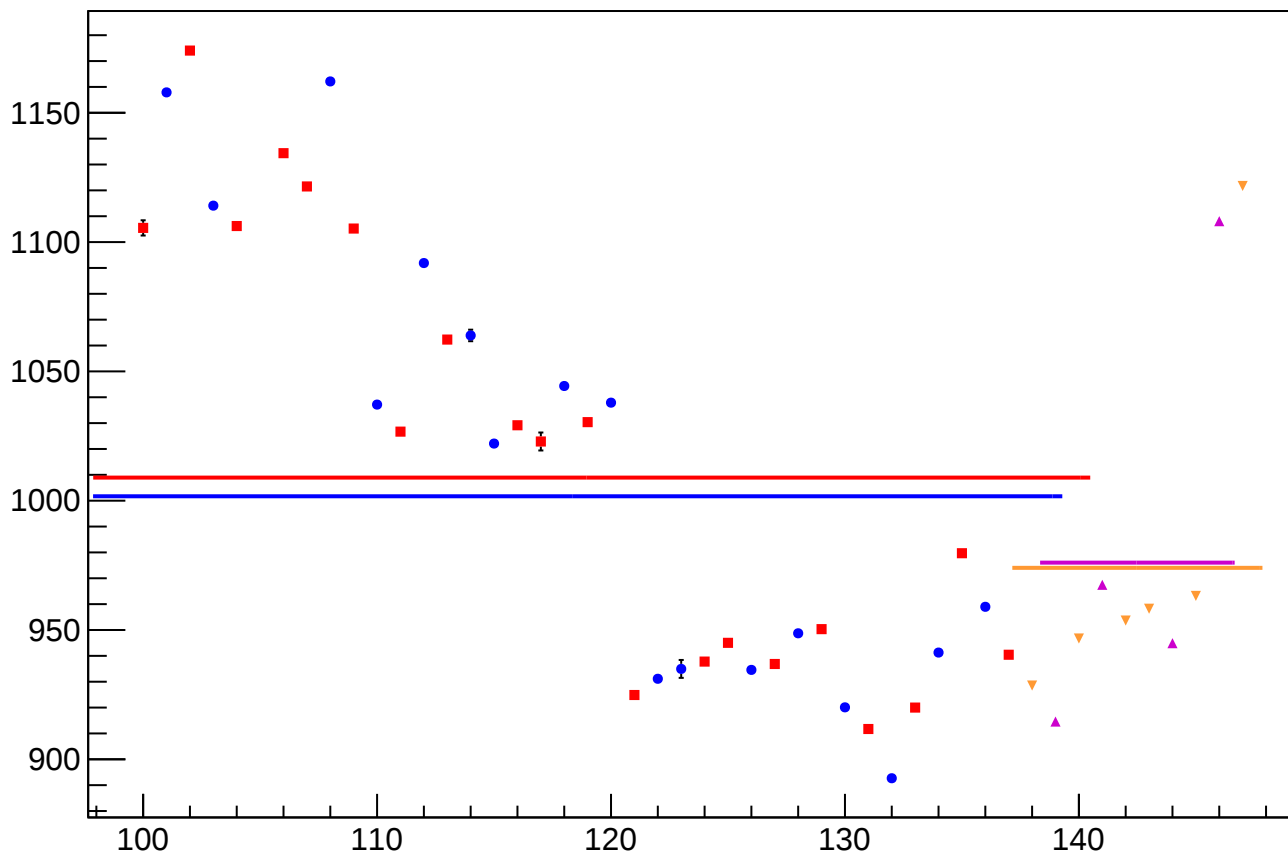
Left In: 65.333 ± 0.547 χ^2/NDF : 151.6/3

-27.856 ± 0.302 χ^2/NDF : 8733.1/22

0.565 ± 0.216 χ^2/NDF : 40799.1/46

30.686 ± 0.311 χ^2/NDF : 13788.3/23

diff_bpm2i02X_rms vs Slug, Sign Corrected



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

Left Out: 974.035 $\pm$ 0.340 χ^2/NDF : 32927.3/5

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

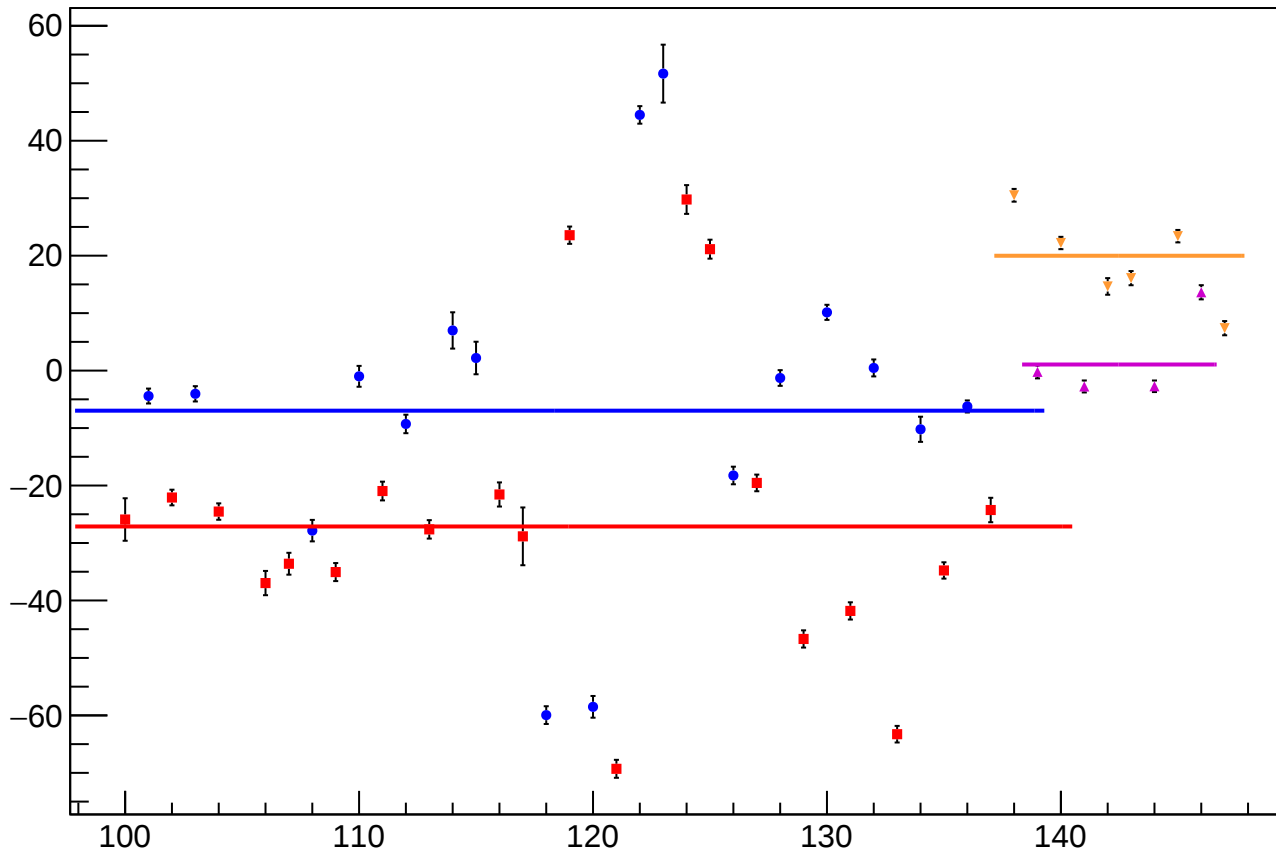
Left In: 976.048 $\pm$ 0.387 χ^2/NDF : 31311.0/3

990.842 $\pm$ 0.213 χ^2/NDF : 132419.1/22

994.476 $\pm$ 0.153 χ^2/NDF : 264591.3/46

998.328 $\pm$ 0.220 χ^2/NDF : 131574.5/23

diff_bpm2i02Y_mean vs Slug, Sign Corrected



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

Left Out: 19.984 ± 0.481 χ^2/NDF : 231.4/5

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

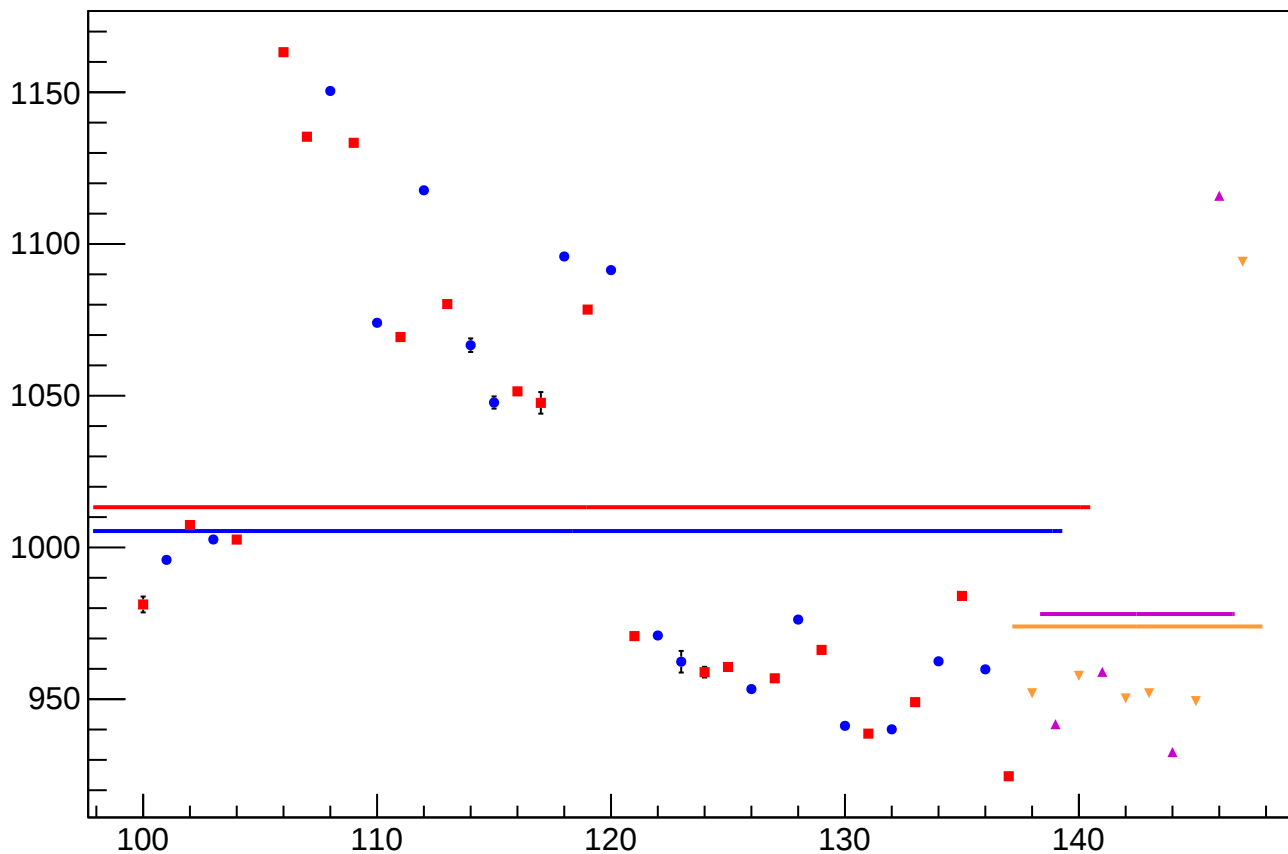
Left In: 1.061 ± 0.548 χ^2/NDF : 132.3/3

3.644 ± 0.302 χ^2/NDF : 5770.2/22

-6.857 ± 0.217 χ^2/NDF : 14470.8/46

-18.025 ± 0.311 χ^2/NDF : 6206.2/23

diff_bpm2i02Y_rms vs Slug, Sign Corrected



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

Left Out: 973.961 $\pm$ 0.340 χ^2/NDF : 22356.5/5

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

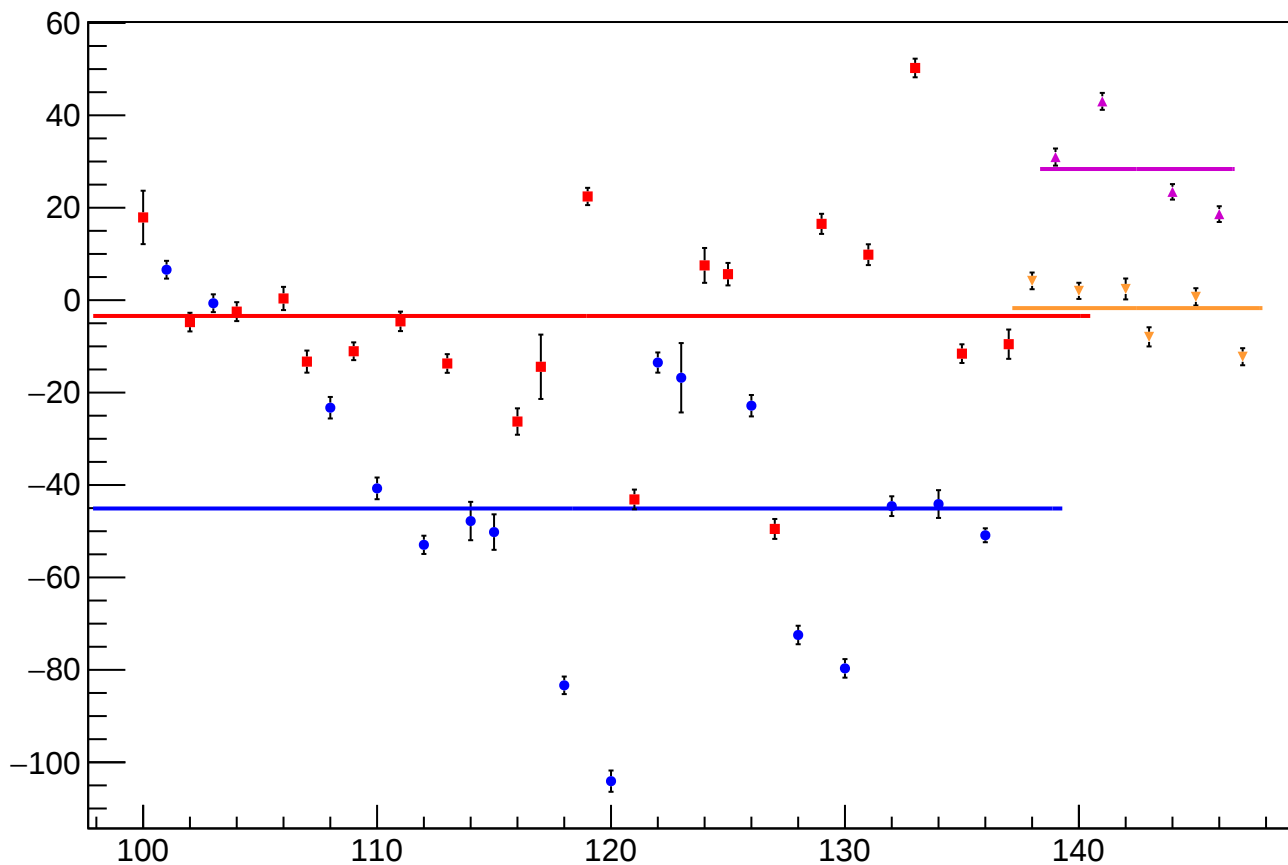
Left In: 978.060 $\pm$ 0.388 χ^2/NDF : 31651.6/3

993.022 $\pm$ 0.214 χ^2/NDF : 82118.7/22

997.322 $\pm$ 0.153 χ^2/NDF : 183550.7/46

1001.895 $\pm$ 0.220 χ^2/NDF : 100595.7/23

diff_bpm0i02X_mean vs Slug, Sign Corrected



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

Left Out: -1.719 ± 0.780 χ^2/NDF : 61.7/5

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

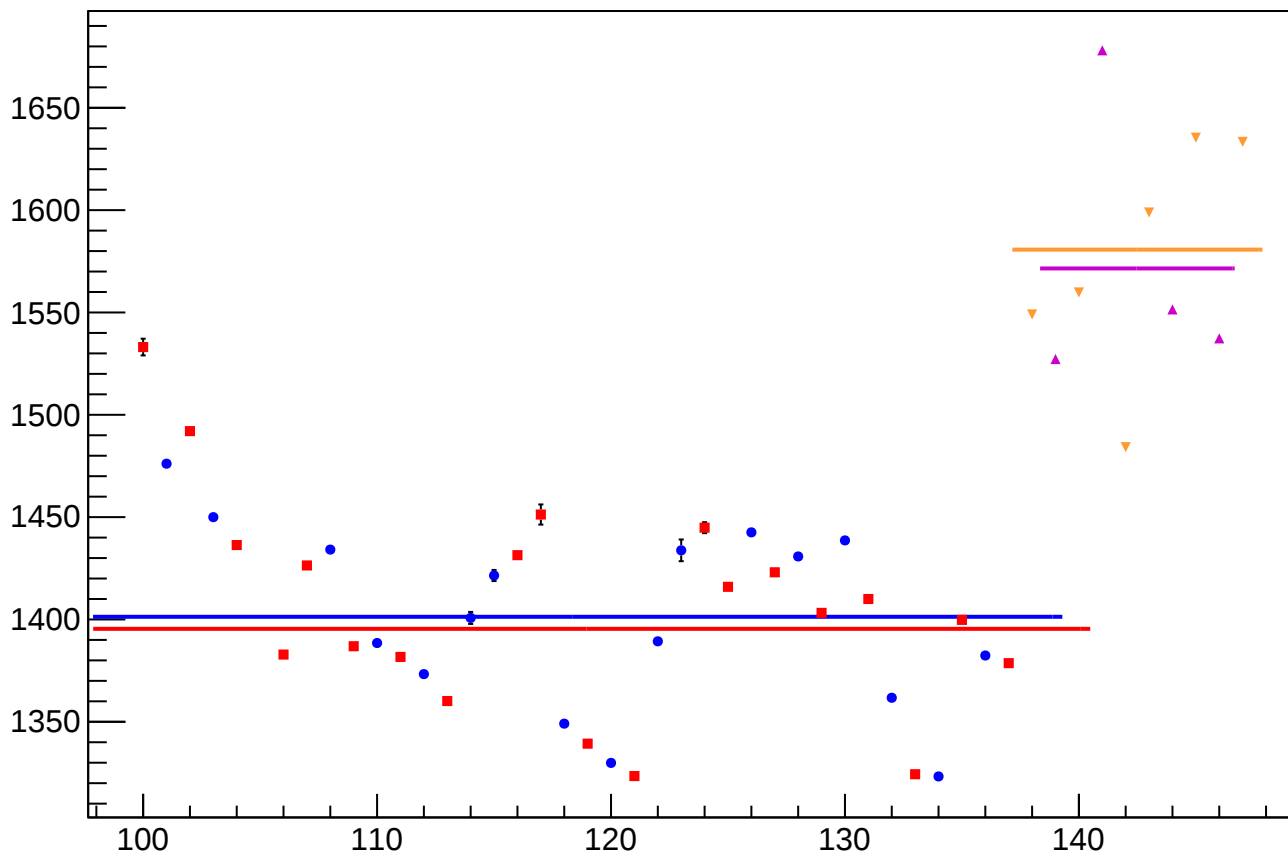
Left In: 28.380 ± 0.880 χ^2/NDF : 107.4/3

-31.053 ± 0.444 χ^2/NDF : 5388.1/22

-13.284 ± 0.315 χ^2/NDF : 11705.0/46

4.813 ± 0.448 χ^2/NDF : 3082.4/23

diff_bpm0i02X_rms vs Slug, Sign Corrected



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

Left Out: 1580.708 $\pm$ 0.552 χ^2/NDF : 8044.4/5

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

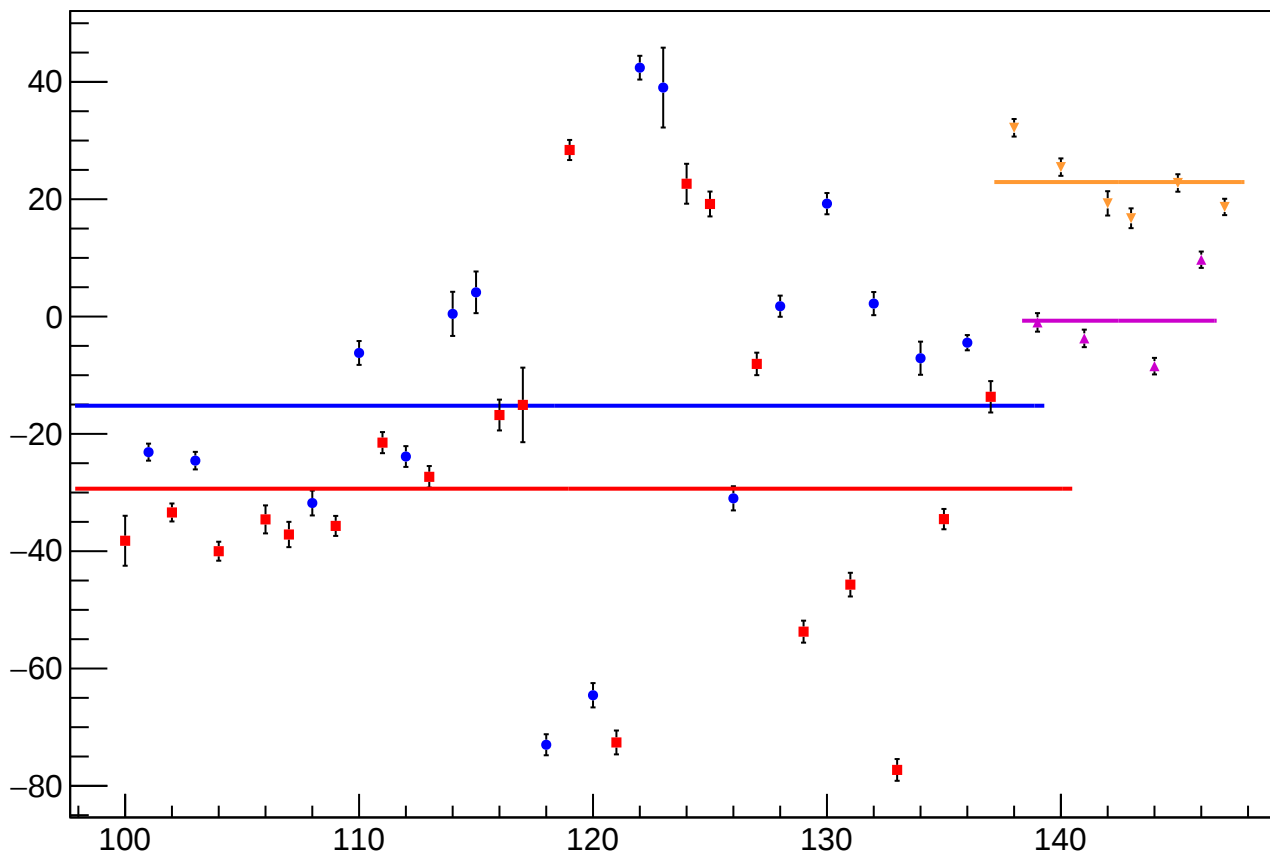
Left In: 1571.510 $\pm$ 0.623 χ^2/NDF : 9007.7/3

1459.345 $\pm$ 0.314 χ^2/NDF : 92389.9/22

1450.259 $\pm$ 0.223 χ^2/NDF : 178032.1/46

1441.006 $\pm$ 0.317 χ^2/NDF : 83951.1/23

diff_bpm0i02Y_mean vs Slug, Sign Corrected



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

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

Right Out: 22.928 $\pm$ 0.639 χ^2/NDF : 66.8/5

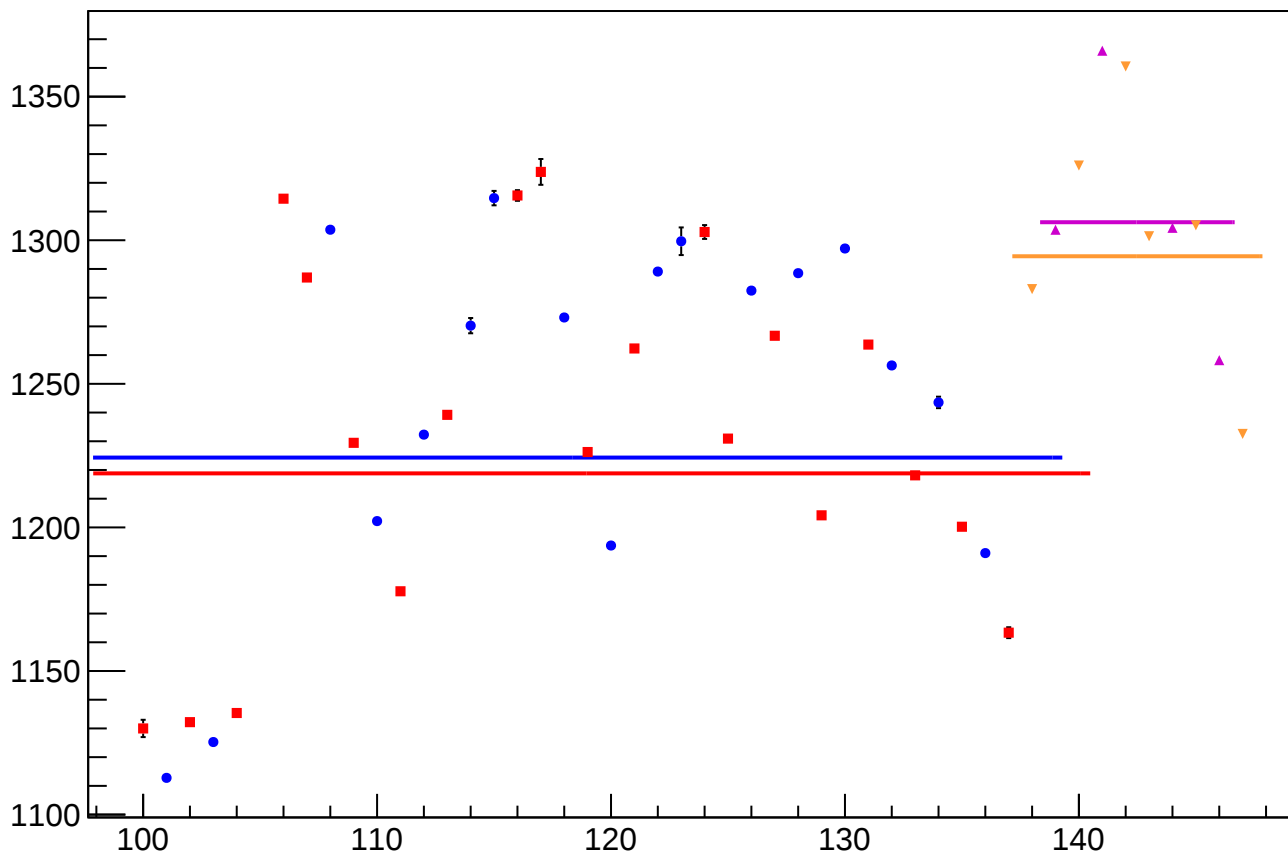
Left In: -0.709 $\pm$ 0.732 χ^2/NDF : 90.0/3

-1.737 $\pm$ 0.380 χ^2/NDF : 5732.7/22

-11.377 $\pm$ 0.271 χ^2/NDF : 11788.9/46

-21.359 $\pm$ 0.386 χ^2/NDF : 4744.3/23

diff_bpm0i02Y_rms vs Slug, Sign Corrected



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

Left Out: 1294.421 $\pm$ 0.452 χ^2/NDF : 7138.7/5

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

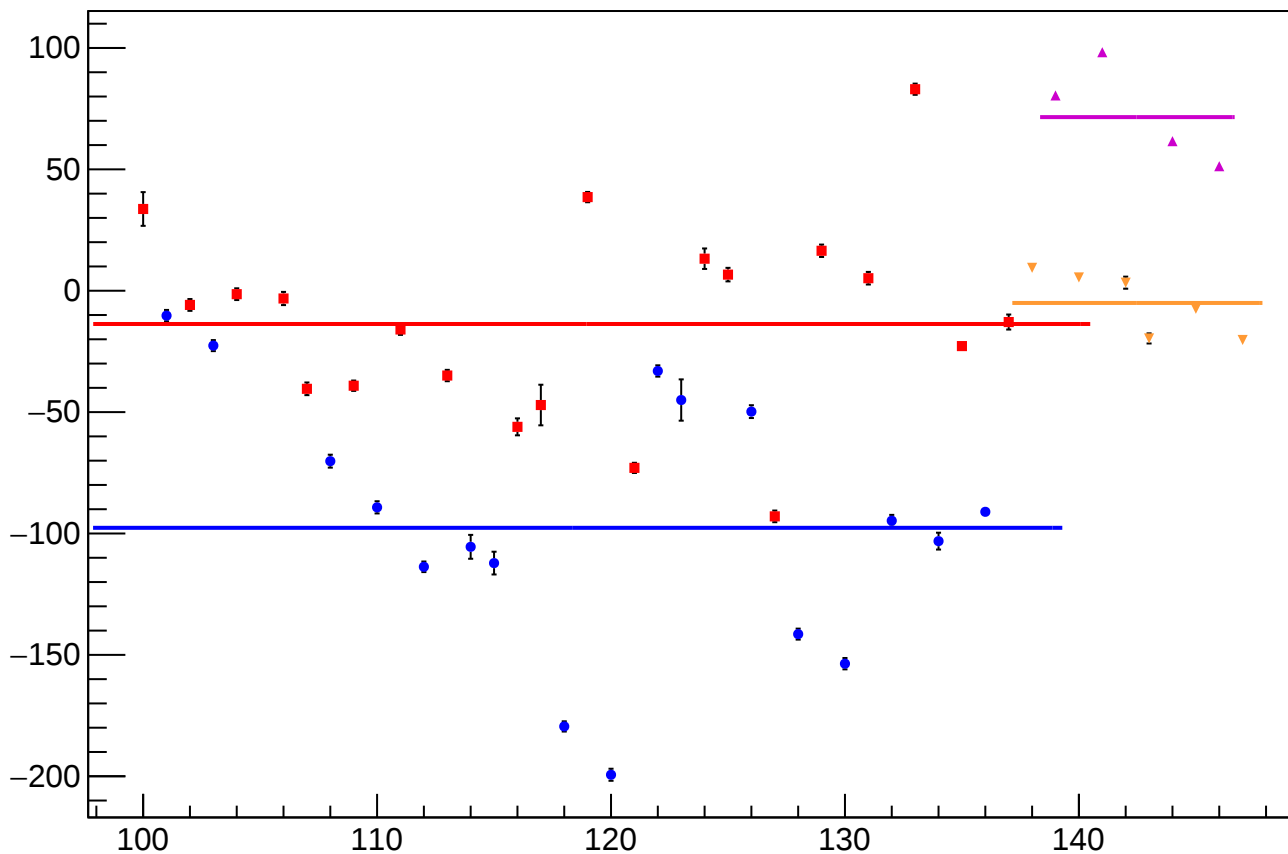
Left In: 1306.274 $\pm$ 0.517 χ^2/NDF : 5589.0/3

1249.074 $\pm$ 0.268 χ^2/NDF : 61487.7/22

1246.190 $\pm$ 0.192 χ^2/NDF : 116035.1/46

1243.204 $\pm$ 0.273 χ^2/NDF : 54312.5/23

diff_bpm0i02aX_mean vs Slug, Sign Corrected



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

Left Out: -5.033 ± 0.800 χ^2/NDF : 224.2/5

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

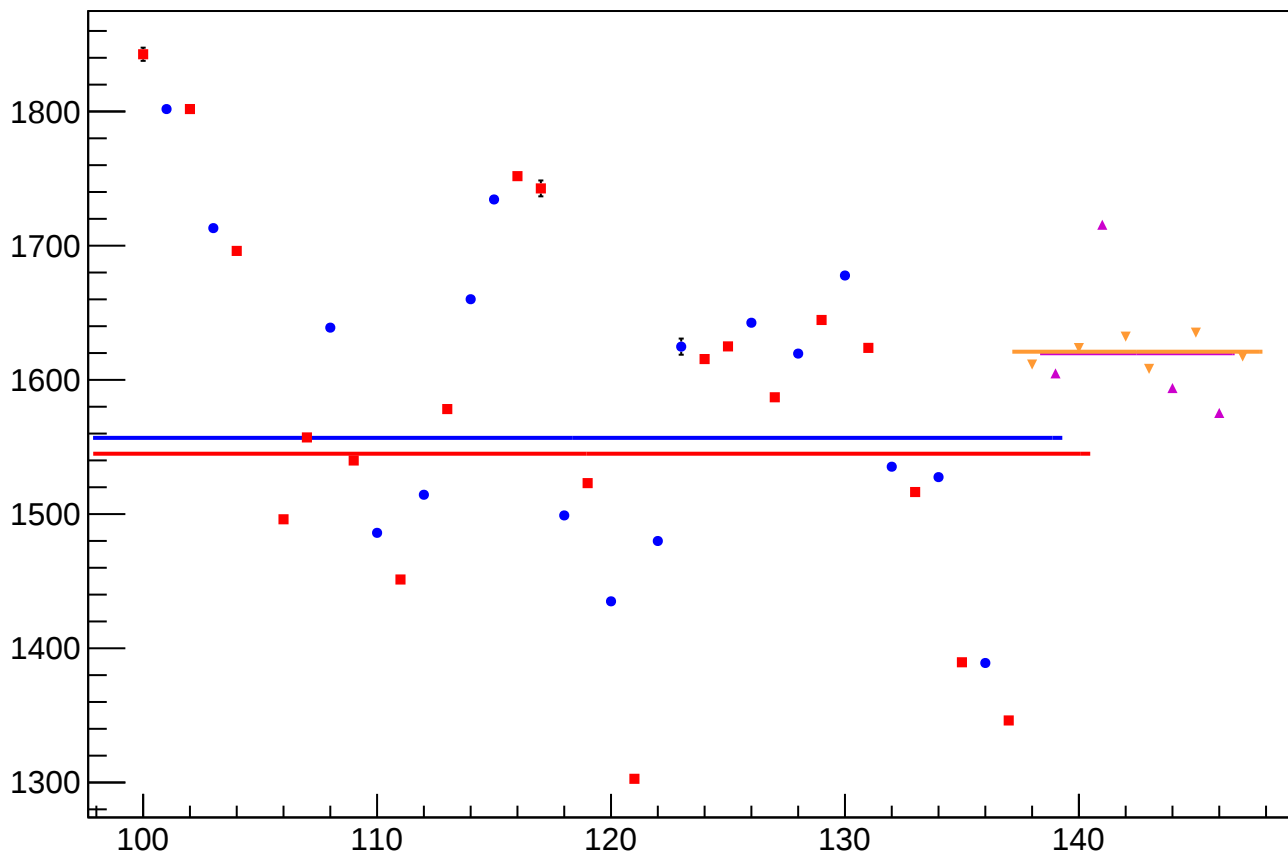
Left In: 71.521 ± 0.907 χ^2/NDF : 392.2/3

-64.208 ± 0.481 χ^2/NDF : 16729.2/22

-27.187 ± 0.342 χ^2/NDF : 40577.0/46

10.899 ± 0.487 χ^2/NDF : 11811.0/23

diff_bpm0i02aX_rms vs Slug, Sign Corrected



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

Left Out: 1620.998 $\pm$ 0.566 χ^2/NDF : 295.8/5

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

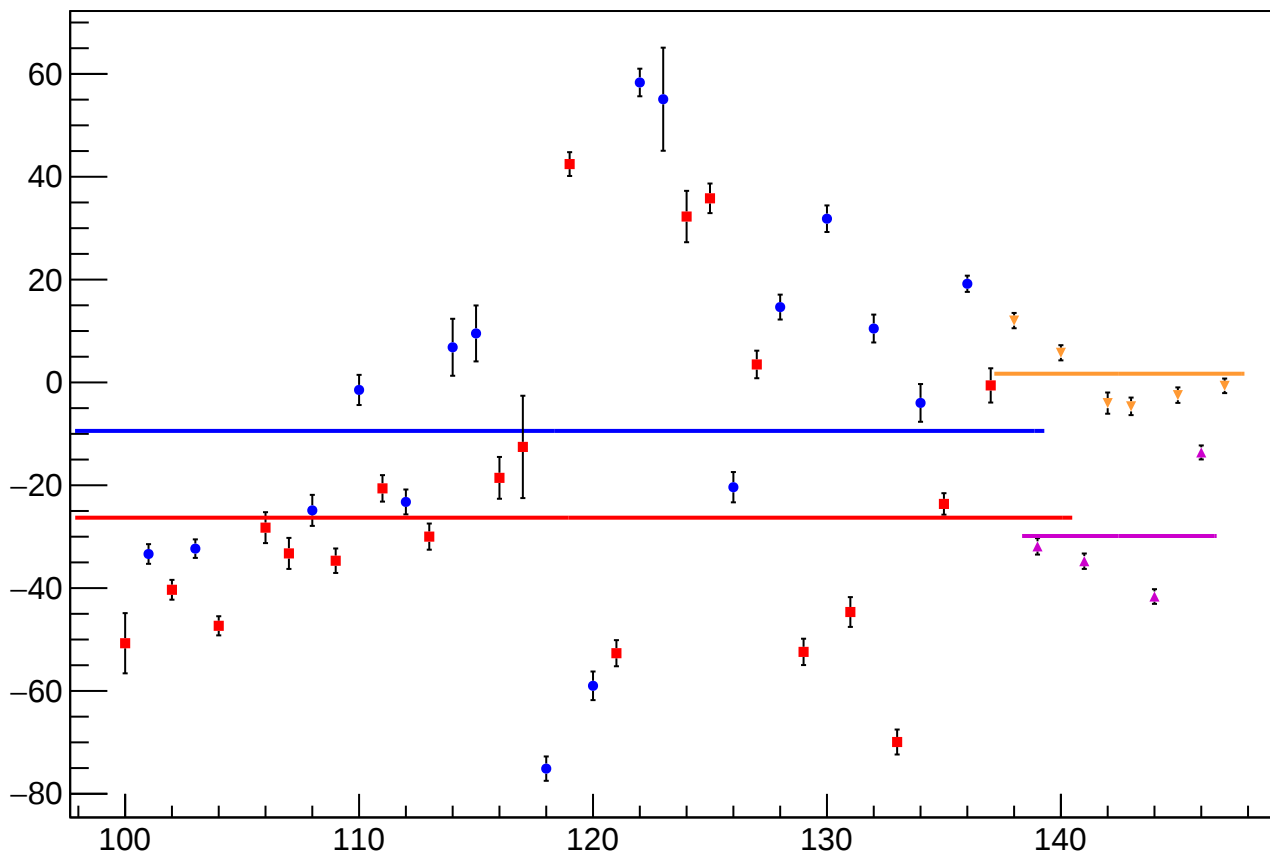
Left In: 1619.844 $\pm$ 0.642 χ^2/NDF : 7099.0/3

1579.983 $\pm$ 0.340 χ^2/NDF : 90077.6/22

1573.382 $\pm$ 0.242 χ^2/NDF : 209250.8/46

1566.590 $\pm$ 0.345 χ^2/NDF : 118407.7/23

diff_bpm0i02aY_mean vs Slug, Sign Corrected



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

Left Out: 1.696 ± 0.642 χ^2/NDF : 87.7/5

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

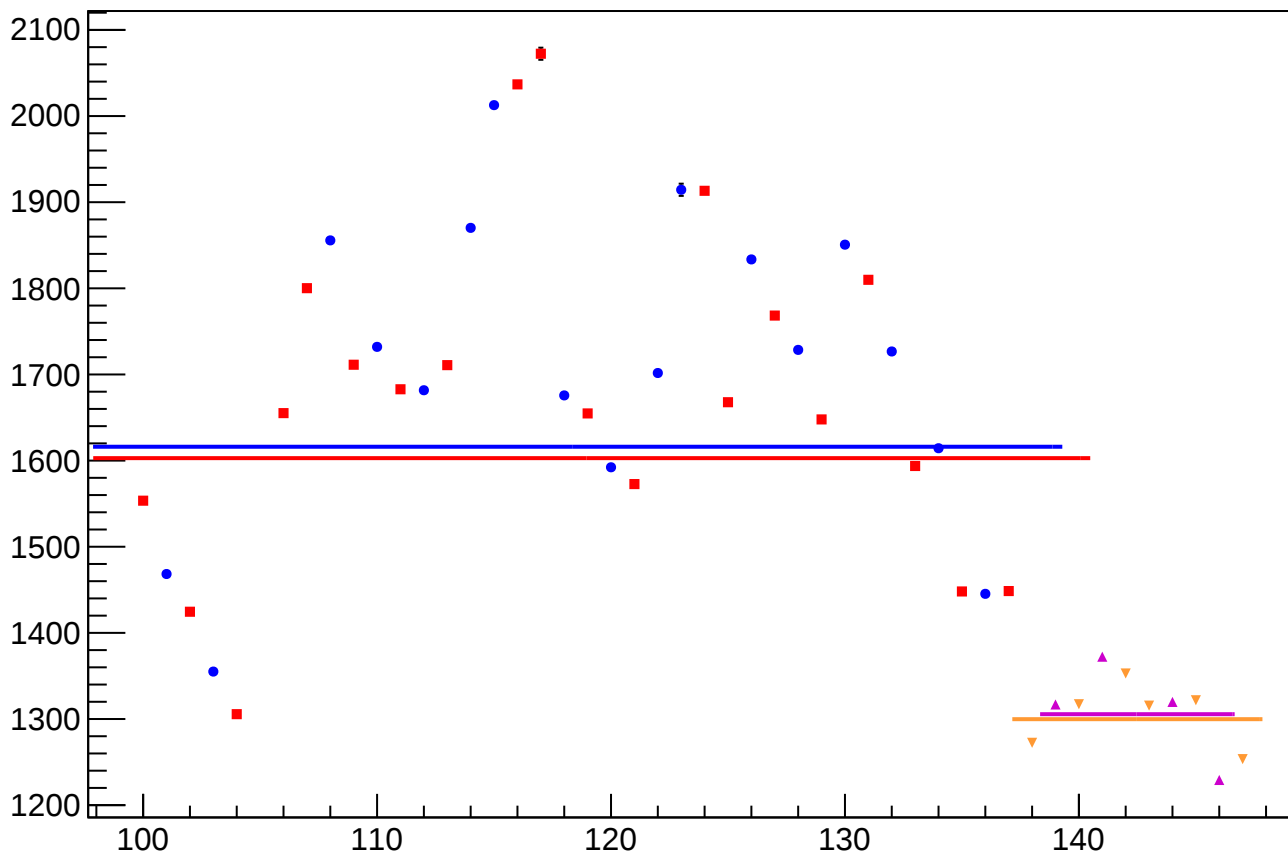
Left In: -29.865 ± 0.732 χ^2/NDF : 222.6/3

-4.000 ± 0.448 χ^2/NDF : 3165.7/22

-15.442 ± 0.323 χ^2/NDF : 7227.9/46

-27.740 ± 0.465 χ^2/NDF : 2710.7/23

diff_bpm0i02aY_rms vs Slug, Sign Corrected



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

Left Out: 1299.806 $\pm$ 0.454 χ^2/NDF : 5019.2/5

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

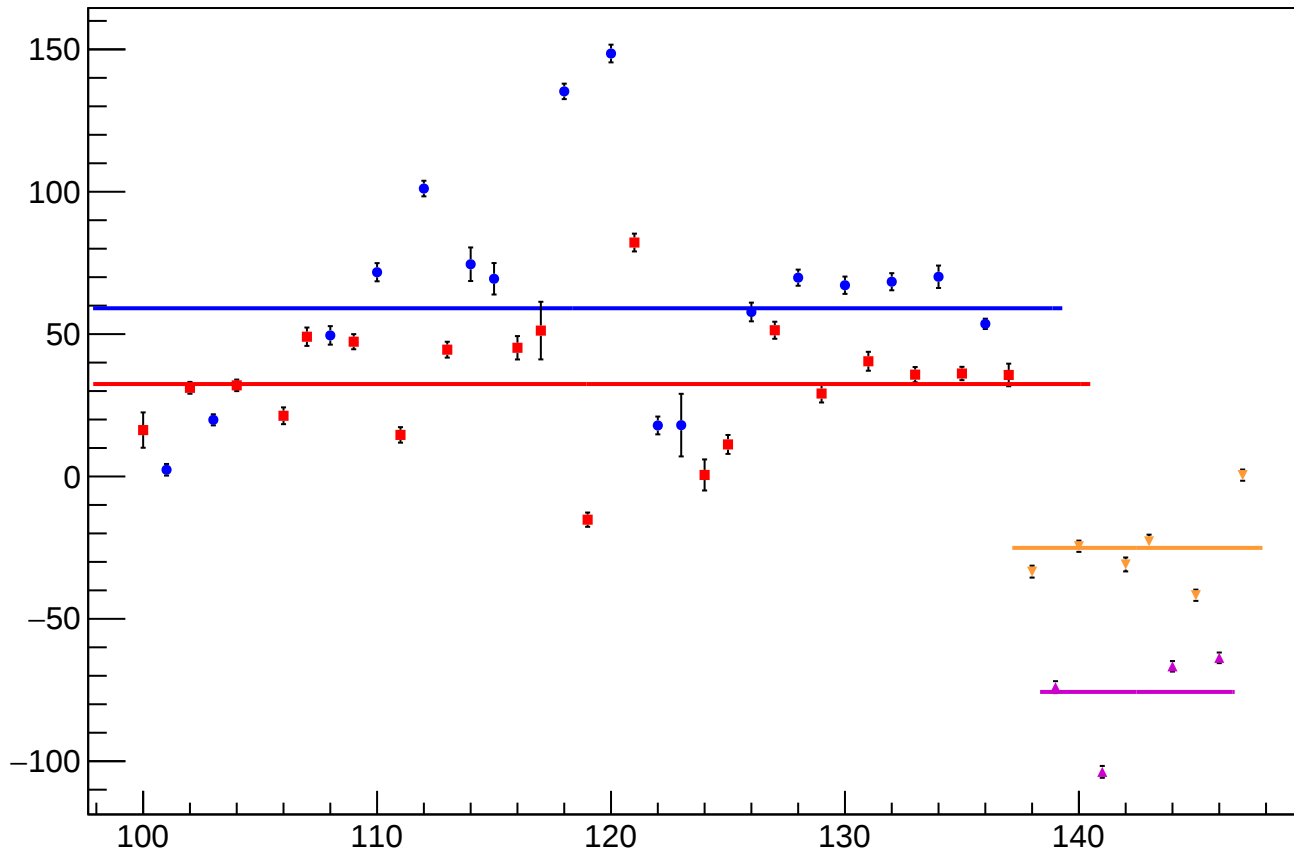
Left In: 1305.597 $\pm$ 0.517 χ^2/NDF : 10548.9/3

1461.780 $\pm$ 0.317 χ^2/NDF : 403351.0/22

1471.988 $\pm$ 0.228 χ^2/NDF : 771065.4/46

1482.959 $\pm$ 0.329 χ^2/NDF : 365563.0/23

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 59.081 ± 0.699 $\chi^2/\text{NDF}: 3293.6/16$

Left Out: -25.072 ± 0.863 $\chi^2/\text{NDF}: 261.4/5$

Right Out: 32.463 ± 0.665 $\chi^2/\text{NDF}: 894.9/19$

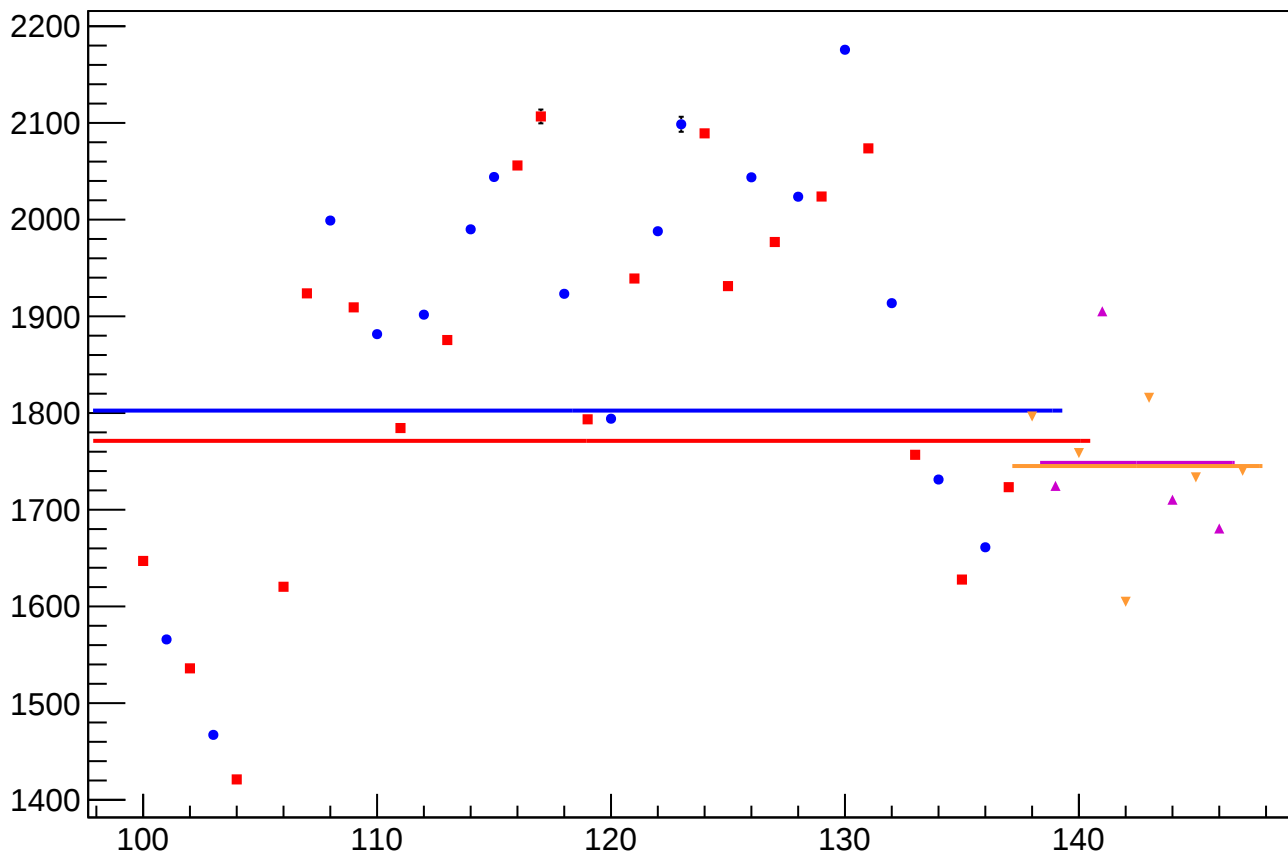
Left In: -75.671 ± 0.981 $\chi^2/\text{NDF}: 247.3/3$

25.709 ± 0.543 $\chi^2/\text{NDF}: 9295.4/22$

12.232 ± 0.387 $\chi^2/\text{NDF}: 20012.0/46$

-1.598 ± 0.550 $\chi^2/\text{NDF}: 9470.1/23$

diff_bpm0i05X_rms vs Slug, Sign Corrected



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

Left Out: 1745.192 $\pm$ 0.610 χ^2/NDF : 9730.3/5

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

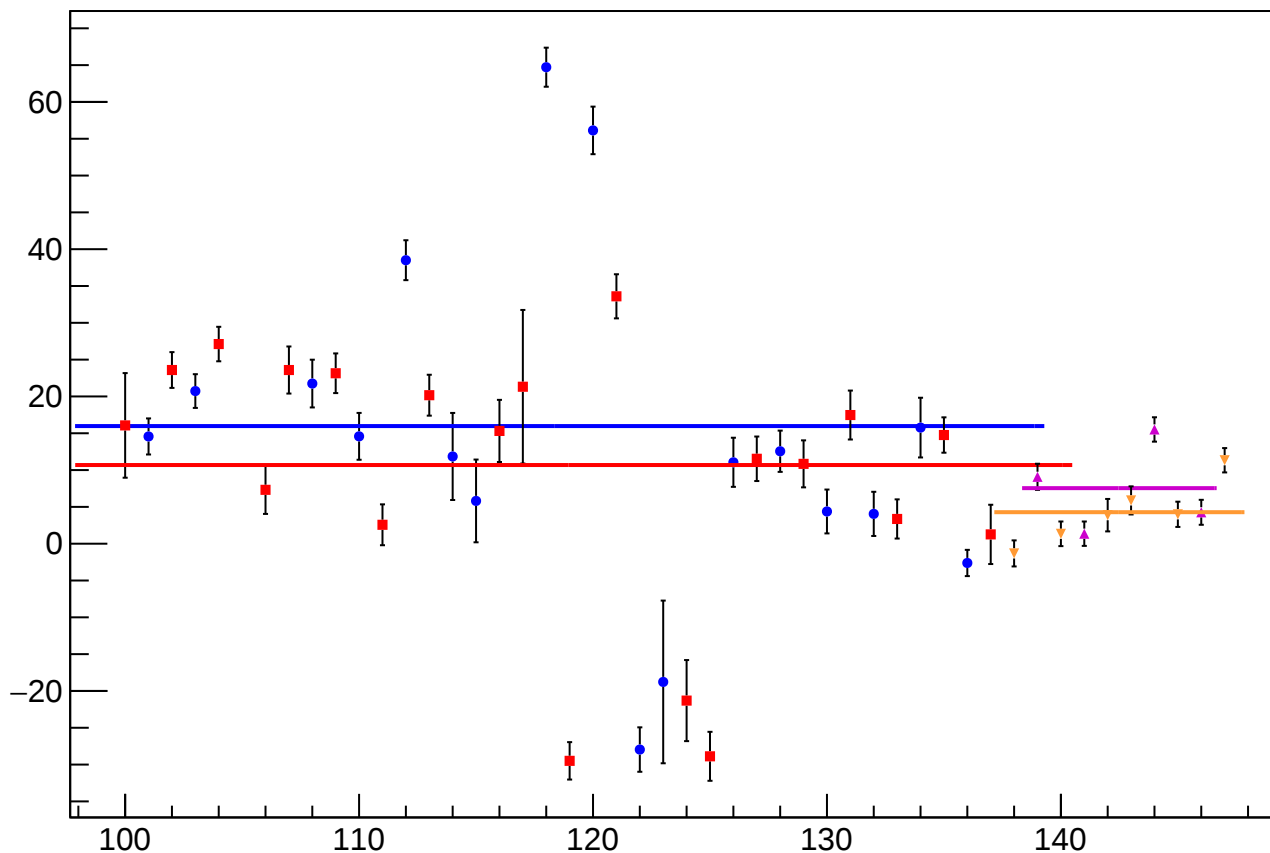
Left In: 1748.454 $\pm$ 0.693 χ^2/NDF : 15088.3/3

1779.788 $\pm$ 0.384 χ^2/NDF : 199127.8/22

1772.023 $\pm$ 0.273 χ^2/NDF : 395884.2/46

1764.054 $\pm$ 0.389 χ^2/NDF : 195928.7/23

diff_bpm0i05Y_mean vs Slug, Sign Corrected



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

Left Out: 4.280 ± 0.733 χ^2/NDF : 32.1/5

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

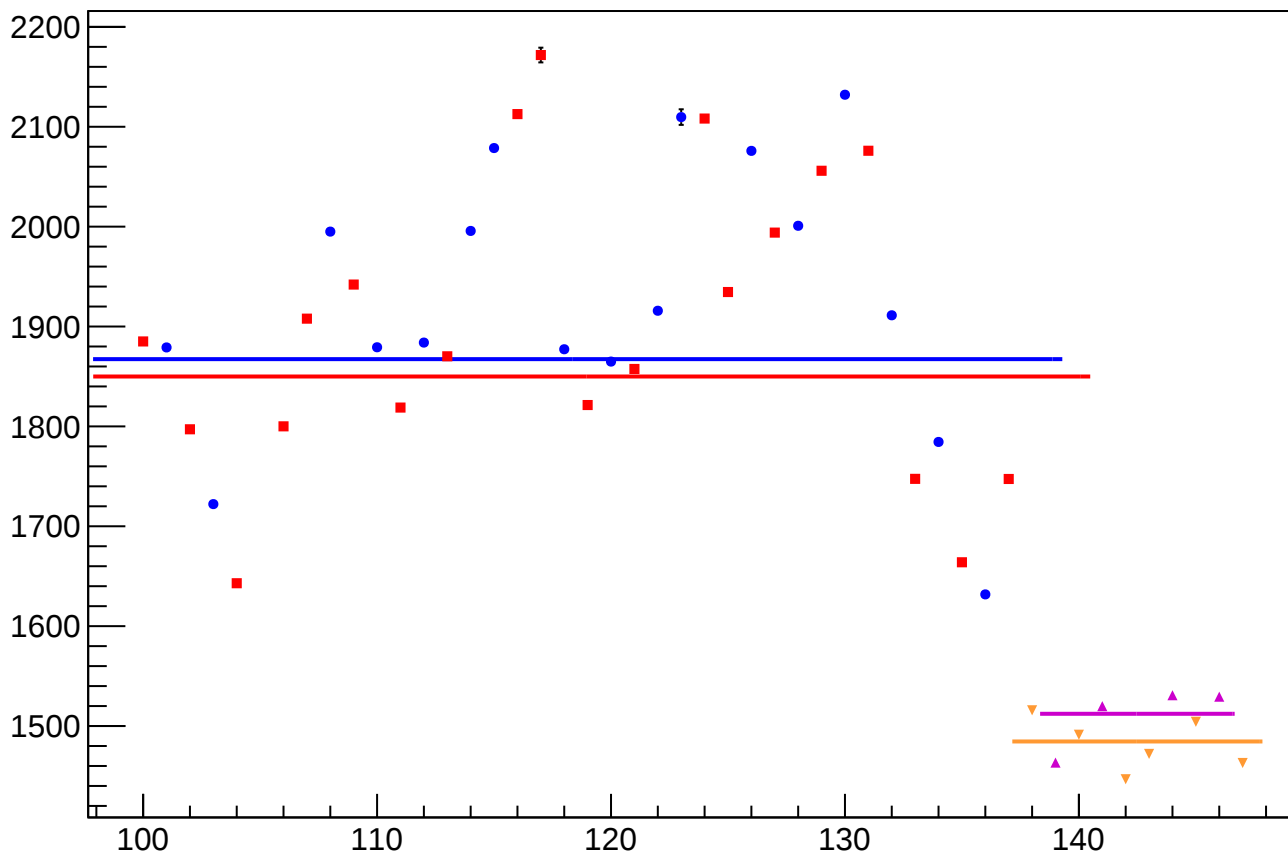
Left In: 7.545 ± 0.847 χ^2/NDF : 41.6/3

10.216 ± 0.514 χ^2/NDF : 1099.8/22

9.838 ± 0.371 χ^2/NDF : 1794.0/46

9.428 ± 0.536 χ^2/NDF : 693.0/23

diff_bpm0i05Y_rms vs Slug, Sign Corrected



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

Left Out: 1484.539 $\pm$ 0.518 χ^2 /NDF:1932.1/5

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

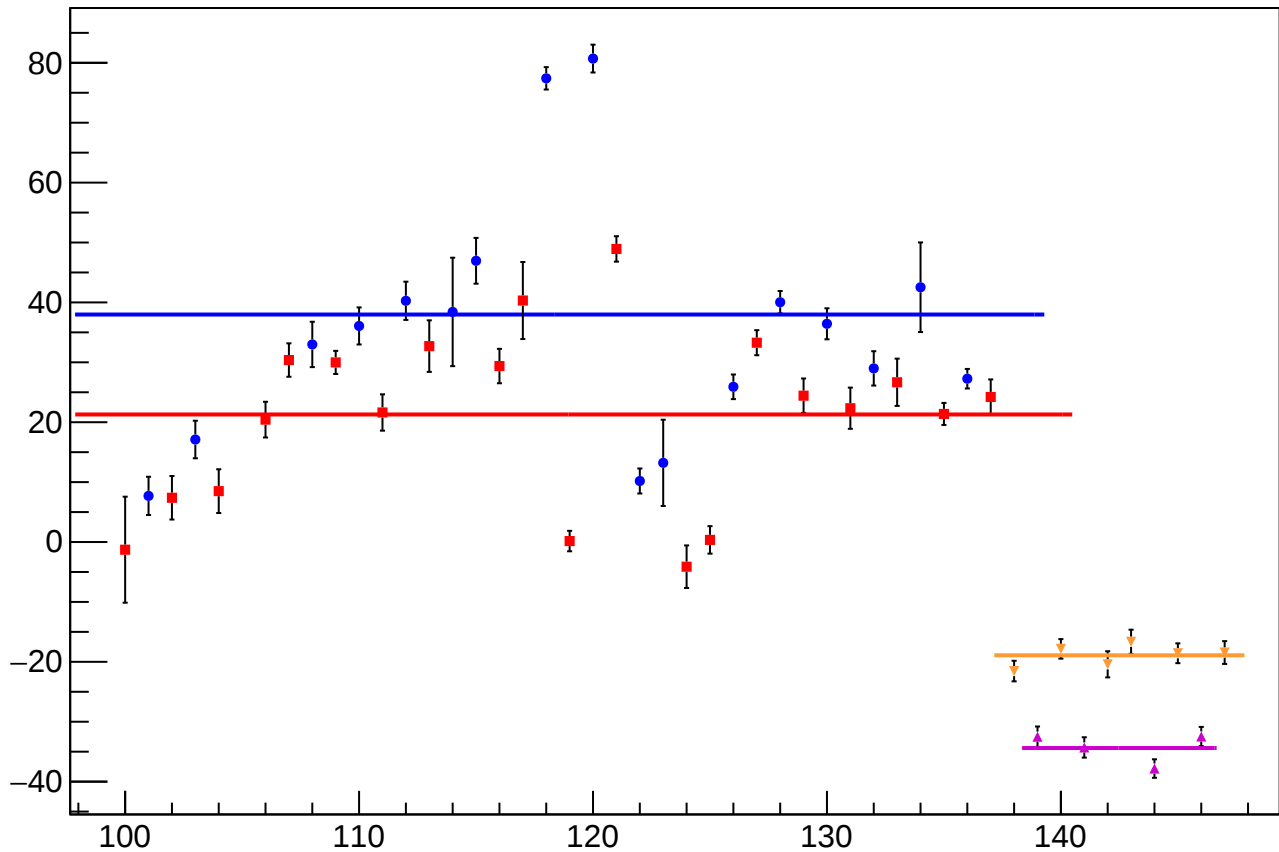
Left In: 1512.252 $\pm$ 0.599 χ^2 /NDF:2017.3/3

1678.833 $\pm$ 0.364 χ^2 /NDF: 360010.4/22

1696.045 $\pm$ 0.262 χ^2 /NDF: 631966.7/46

1714.732 $\pm$ 0.379 χ^2 /NDF: 267280.9/23

diff_bpm0i07X_mean vs Slug, Sign Corrected



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

Left Out: -18.911 ± 0.743 χ^2/NDF : 4.6/5

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

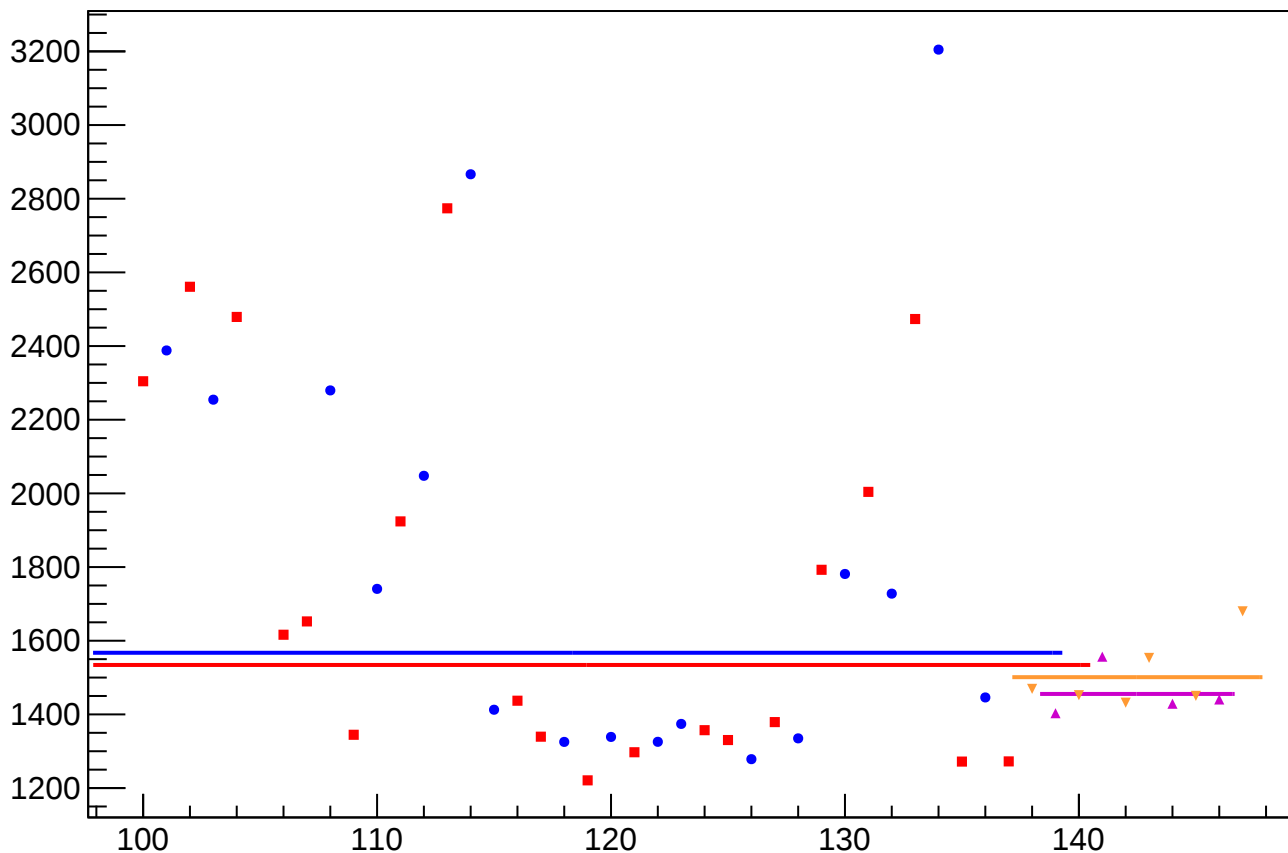
Left In: -34.391 ± 0.816 χ^2/NDF : 7.6/3

13.844 ± 0.484 χ^2/NDF : 4588.8/22

7.715 ± 0.343 χ^2/NDF : 8504.2/46

1.518 ± 0.486 χ^2/NDF : 3592.4/23

diff_bpm0i07X_rms vs Slug, Sign Corrected



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

Left Out: 1501.073 $\pm$ 0.525 χ^2/NDF : 25406.7/5

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

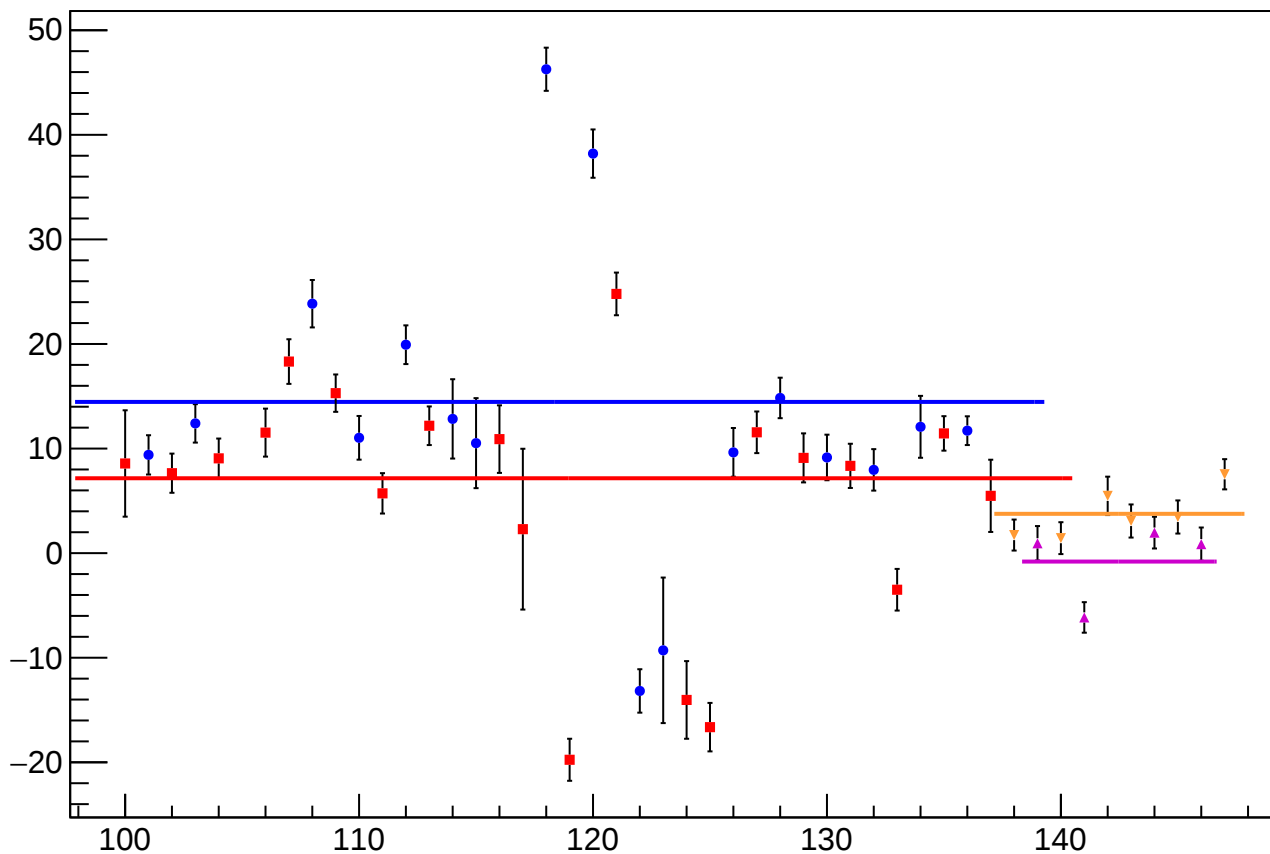
Left In: 1455.541 $\pm$ 0.577 χ^2/NDF : 9748.0/3

1539.220 $\pm$ 0.342 χ^2/NDF : 708026.3/22

1522.842 $\pm$ 0.242 χ^2/NDF : 1618324.0/46

1506.280 $\pm$ 0.344 χ^2/NDF : 905684.7/23

diff_bpm0i07Y_mean vs Slug, Sign Corrected



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

Left Out: 3.760 $\pm$ 0.638 χ^2 /NDF: 12.2/5

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

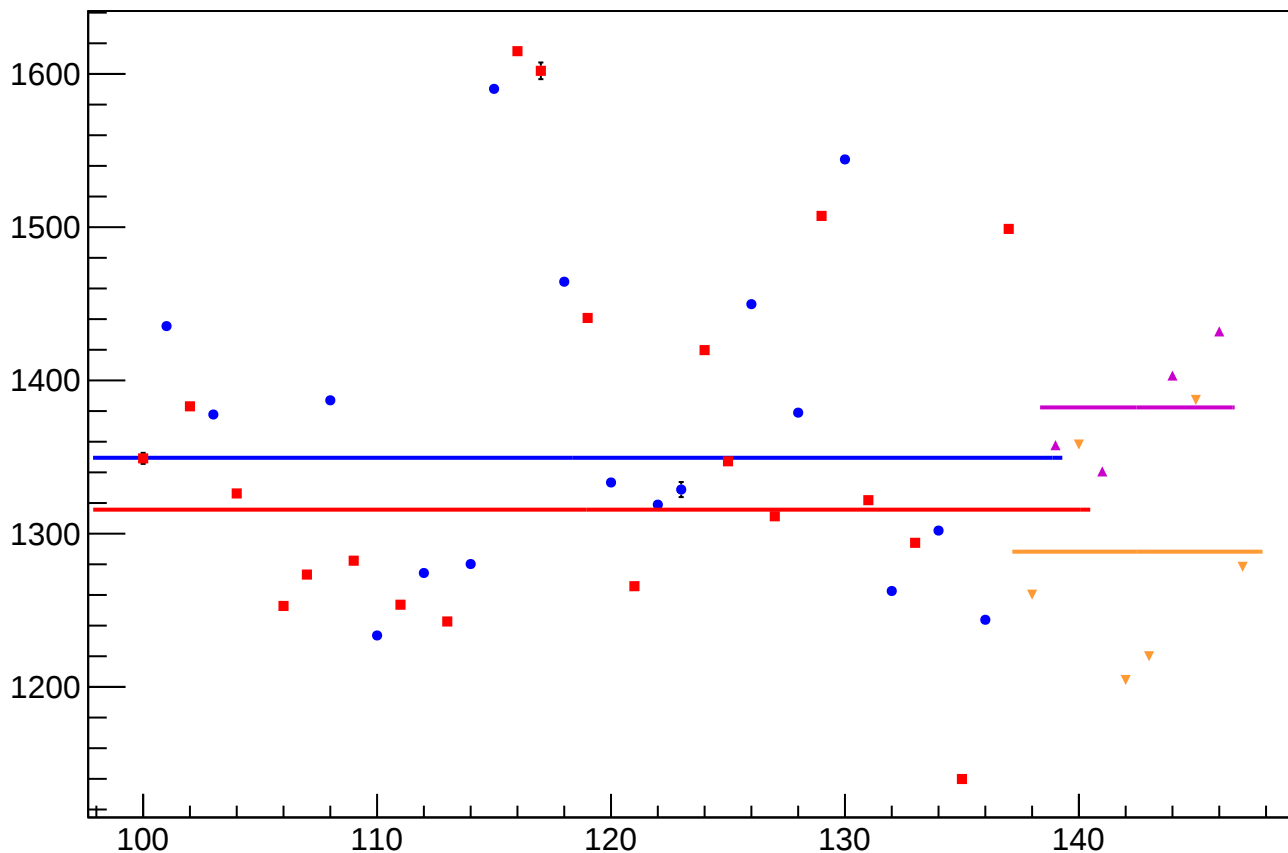
Left In: -0.805 $\pm$ 0.774 χ^2 /NDF: 18.9/3

10.155 $\pm$ 0.404 χ^2 /NDF: 776.4/22

7.583 $\pm$ 0.290 χ^2 /NDF: 1449.9/46

4.861 $\pm$ 0.416 χ^2 /NDF: 590.3/23

diff_bpm0i07Y_rms vs Slug, Sign Corrected



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

Left Out: 1288.249 $\pm$ 0.451 χ^2/NDF : 20719.9/5

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

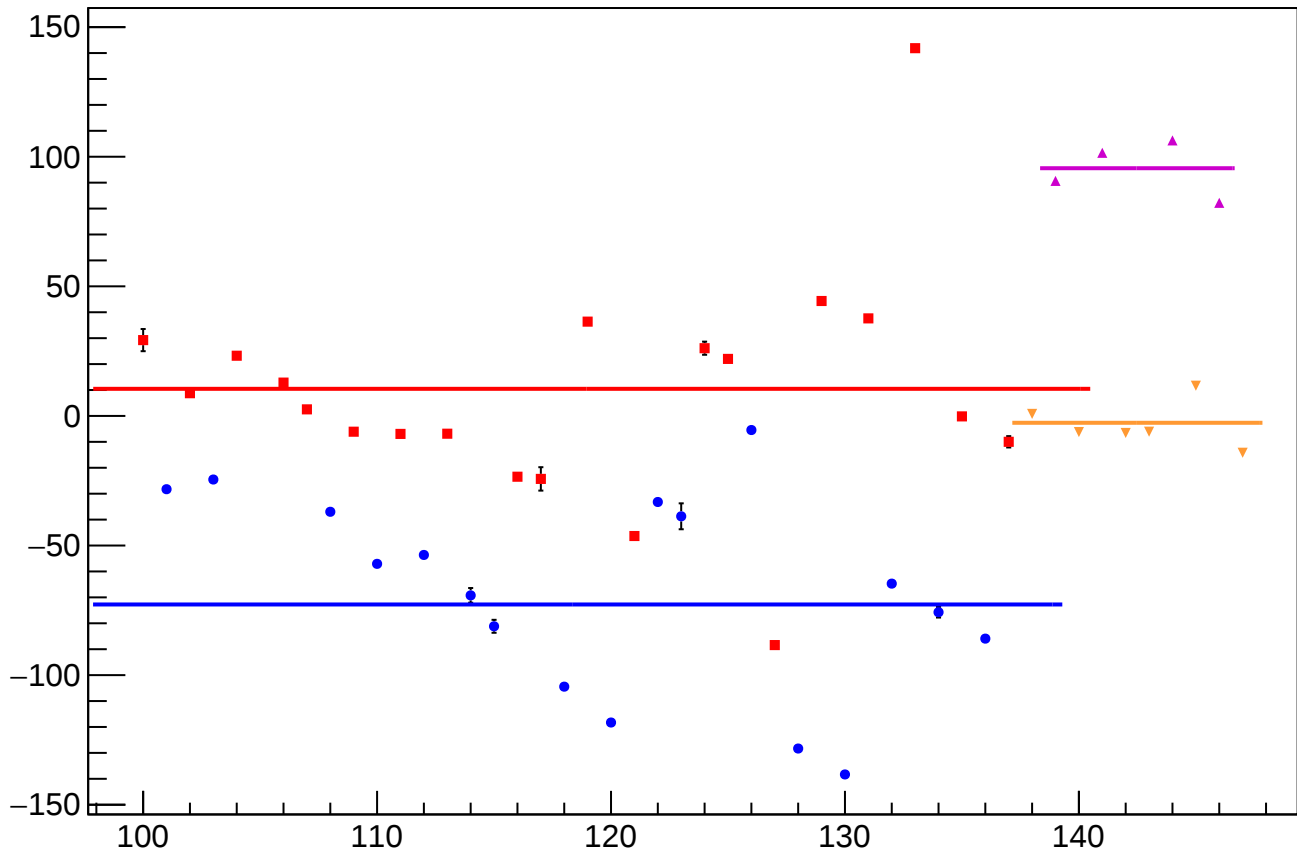
Left In: 1382.384 $\pm$ 0.548 χ^2/NDF : 4407.6/3

1324.869 $\pm$ 0.286 χ^2/NDF : 96423.7/22

1329.758 $\pm$ 0.205 χ^2/NDF : 195731.7/46

1334.931 $\pm$ 0.294 χ^2/NDF : 98706.6/23

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.741 $\pm$ 0.362 χ^2 /NDF: 11690.4/16

Left Out: -2.645 $\pm$ 0.468 χ^2 /NDF: 312.9/5

Right Out: 10.459 $\pm$ 0.351 χ^2 /NDF: 18230.6/19

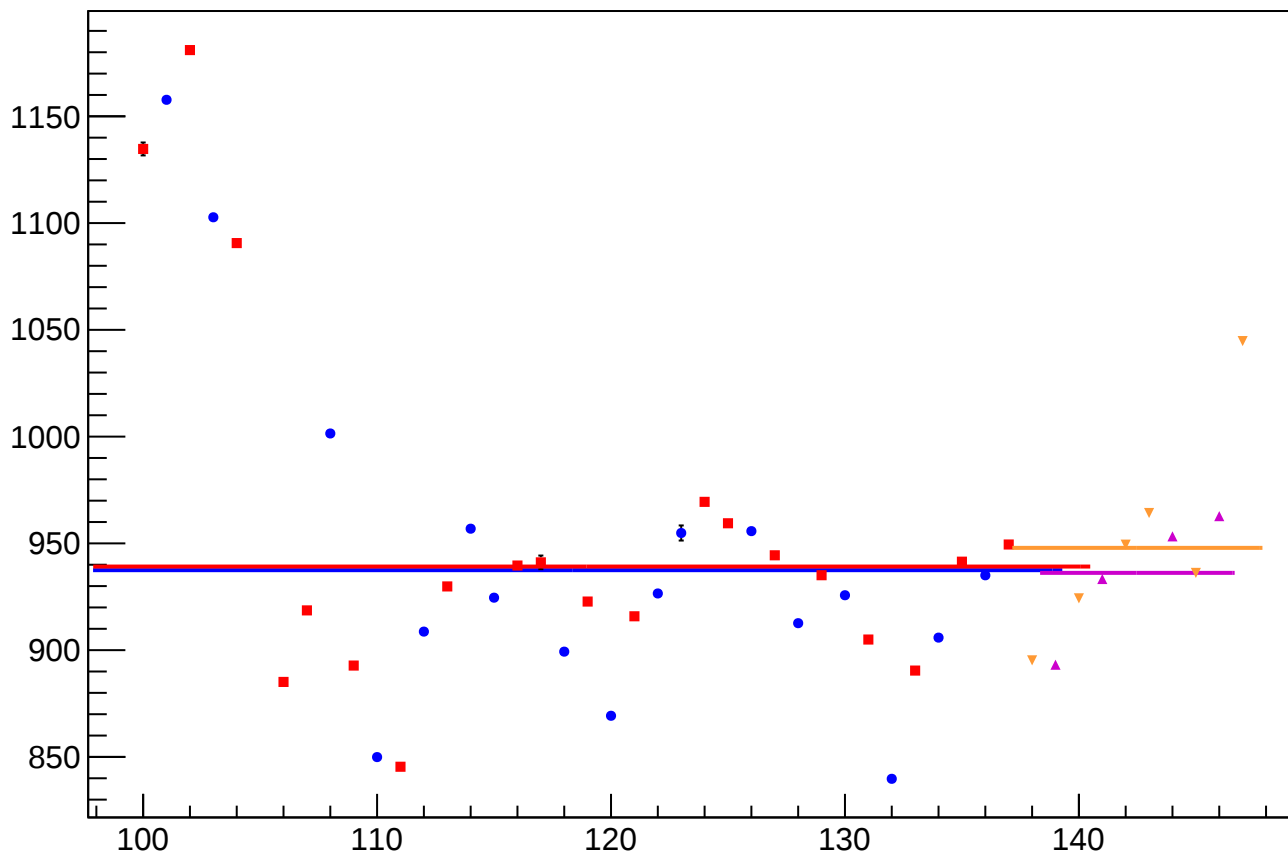
Left In: 95.568 $\pm$ 0.524 χ^2 /NDF: 320.2/3

-46.484 $\pm$ 0.287 χ^2 /NDF: 26021.0/22

-5.550 $\pm$ 0.204 χ^2 /NDF: 104338.3/46

36.869 $\pm$ 0.292 χ^2 /NDF: 36767.9/23

diff_bpm1i02X_rms vs Slug, Sign Corrected



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

Left Out: 947.902 ± 0.331 χ^2/NDF : 20166.6/5

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

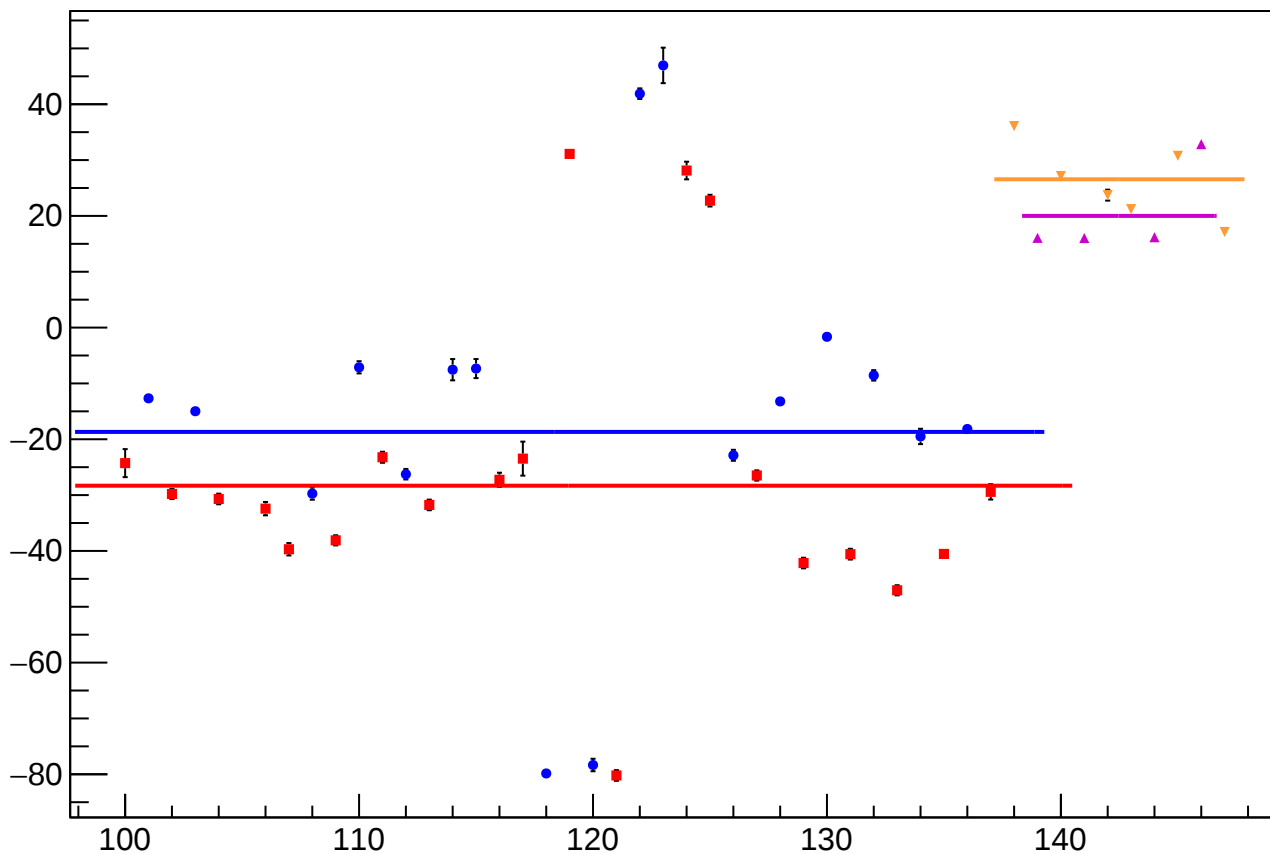
Left In: 936.195 ± 0.370 χ^2/NDF : 4966.4/3

941.367 ± 0.203 χ^2/NDF : 119097.1/22

939.829 ± 0.145 χ^2/NDF : 214478.5/46

938.234 ± 0.206 χ^2/NDF : 95263.9/23

diff_bpm1i02Y_mean vs Slug, Sign Corrected



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

Left Out: 26.561 $\pm$ 0.320 χ^2/NDF : 396.3/5

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

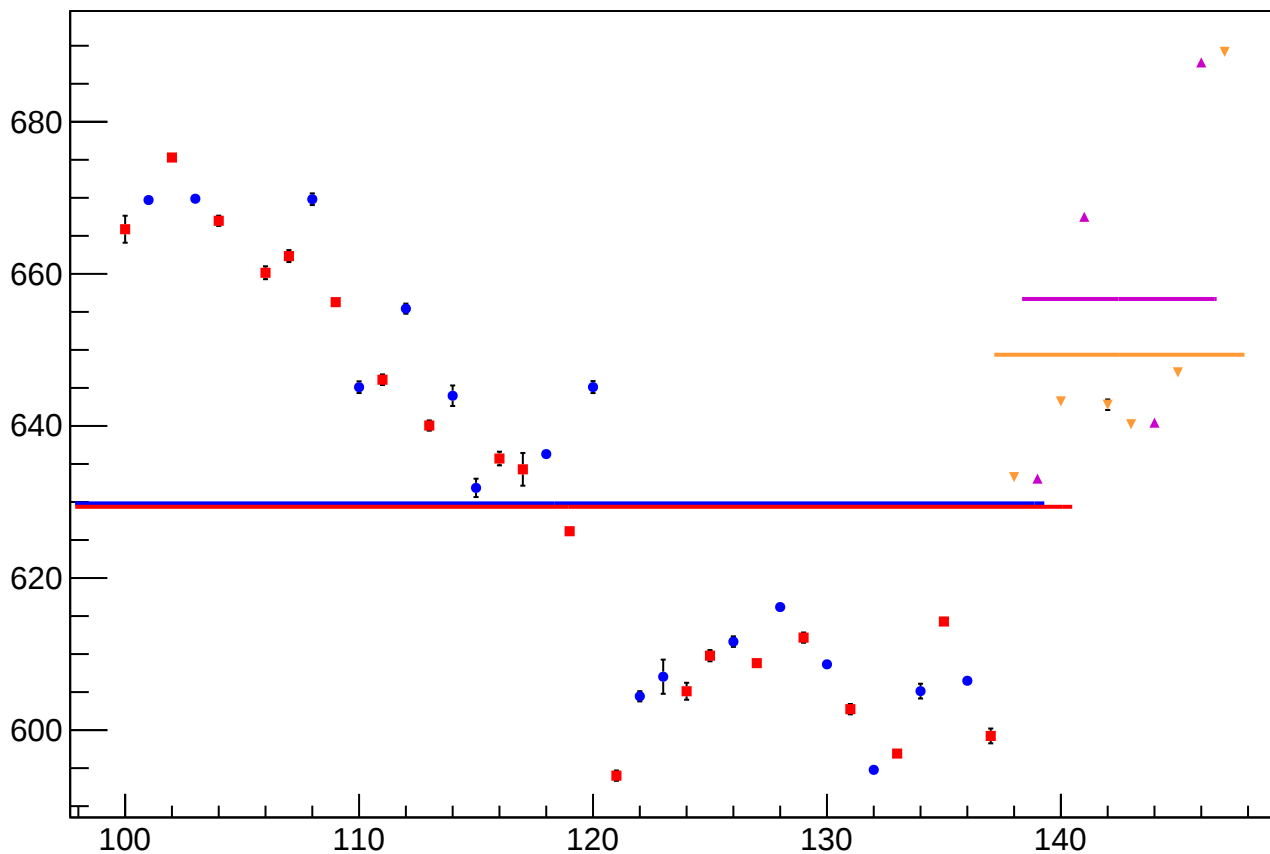
Left In: 20.003 $\pm$ 0.367 χ^2/NDF : 371.7/3

-2.191 $\pm$ 0.193 χ^2/NDF : 26074.0/22

-8.112 $\pm$ 0.138 χ^2/NDF : 53161.6/46

-14.302 $\pm$ 0.198 χ^2/NDF : 25171.7/23

diff_bpm1i02Y_rms vs Slug, Sign Corrected



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

Left Out: 649.366 ± 0.227 $\chi^2/\text{NDF}: 6682.7/5$

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

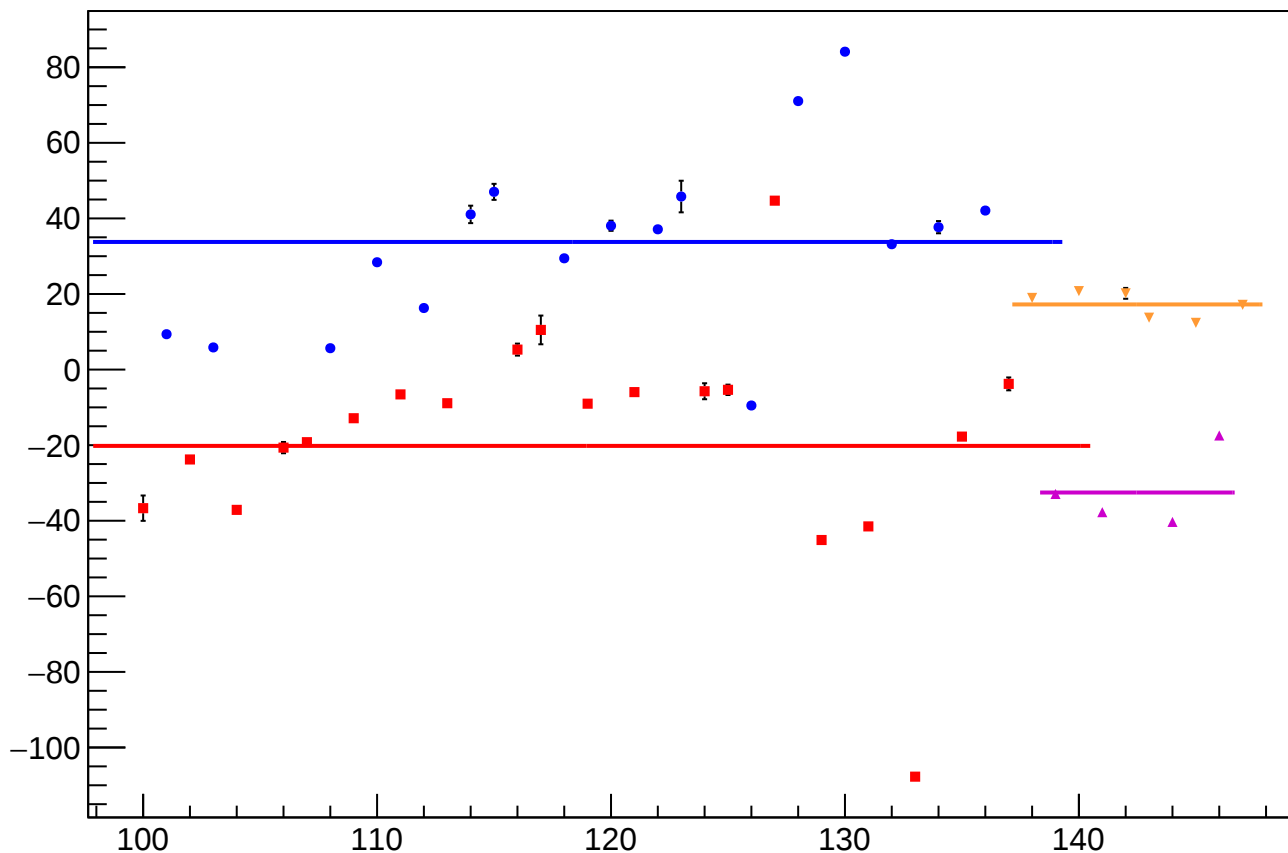
Left In: 656.700 ± 0.260 $\chi^2/\text{NDF}: 6788.0/3$

636.941 ± 0.137 $\chi^2/\text{NDF}: 34713.4/22$

637.115 ± 0.098 $\chi^2/\text{NDF}: 74911.6/46$

637.297 ± 0.140 $\chi^2/\text{NDF}: 40194.9/23$

diff_bpm1i04X_mean vs Slug, Sign Corrected



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

Left Out: 17.240+/-0.489 χ^2/NDF : 41.9/5

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

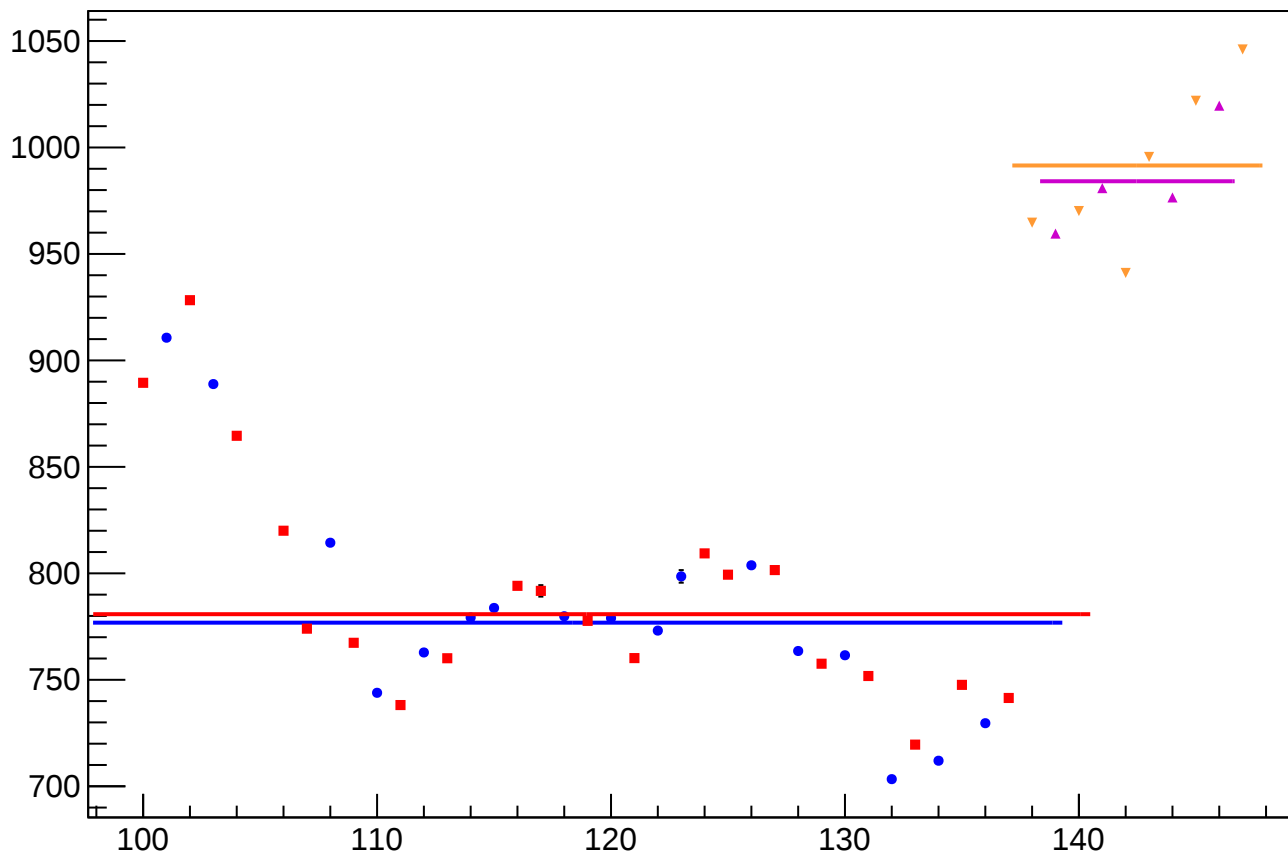
Left In: -32.532+/-0.550 χ^2/NDF : 256.8/3

29.261+/-0.256 χ^2/NDF : 7359.3/22

3.385+/-0.182 χ^2/NDF : 40000.5/46

-22.897+/-0.258 χ^2/NDF : 12002.4/23

diff_bpm1i04X_rms vs Slug, Sign Corrected



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

Left Out: 991.547 $\pm$ 0.346 χ^2 /NDF: 10019.8/5

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

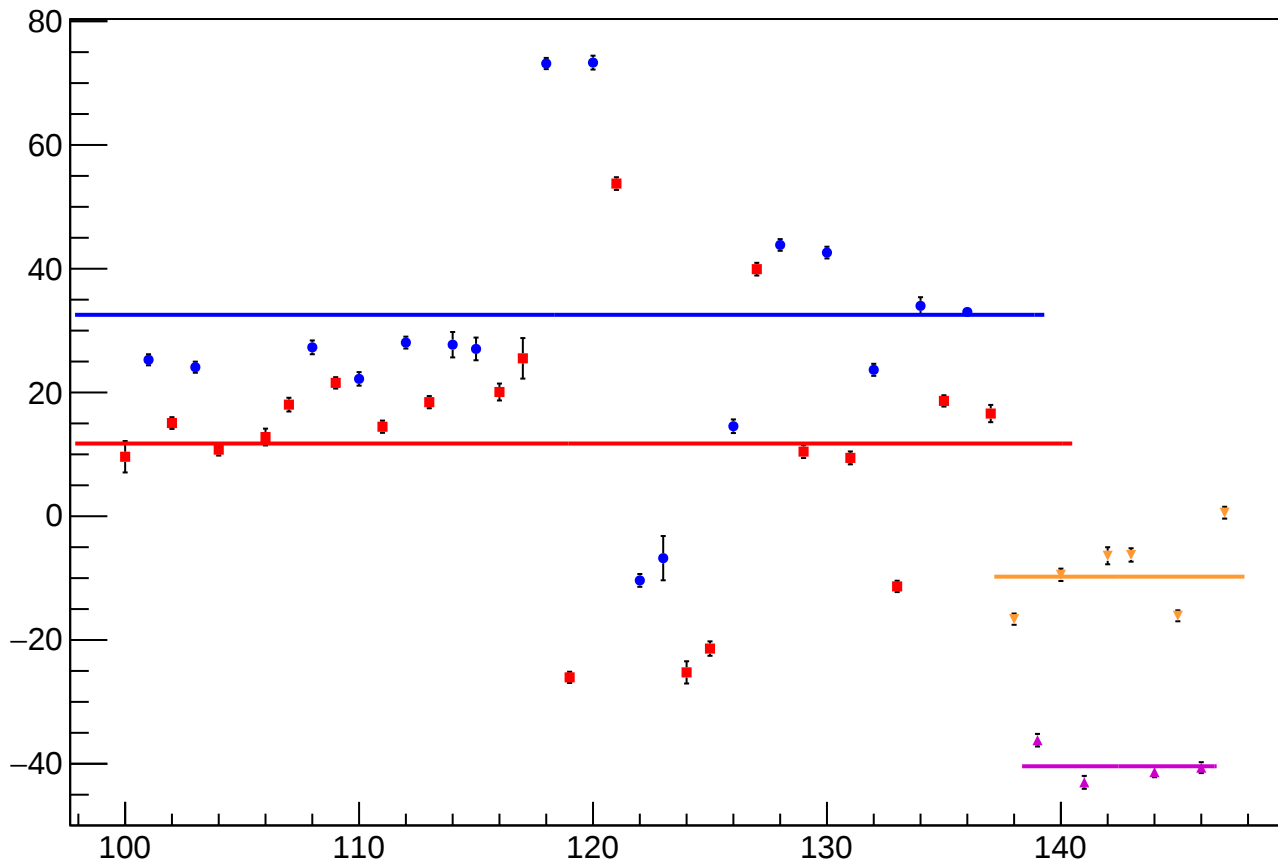
Left In: 984.140 $\pm$ 0.389 χ^2 /NDF: 2991.6/3

835.436 $\pm$ 0.181 χ^2 /NDF: 357294.3/22

830.449 $\pm$ 0.128 χ^2 /NDF: 632294.5/46

825.383 $\pm$ 0.182 χ^2 /NDF: 273466.9/23

diff_bpm1i04Y_mean vs Slug, Sign Corrected



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

Left Out: -9.764 +/- 0.410 χ^2/NDF : 241.0/5

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

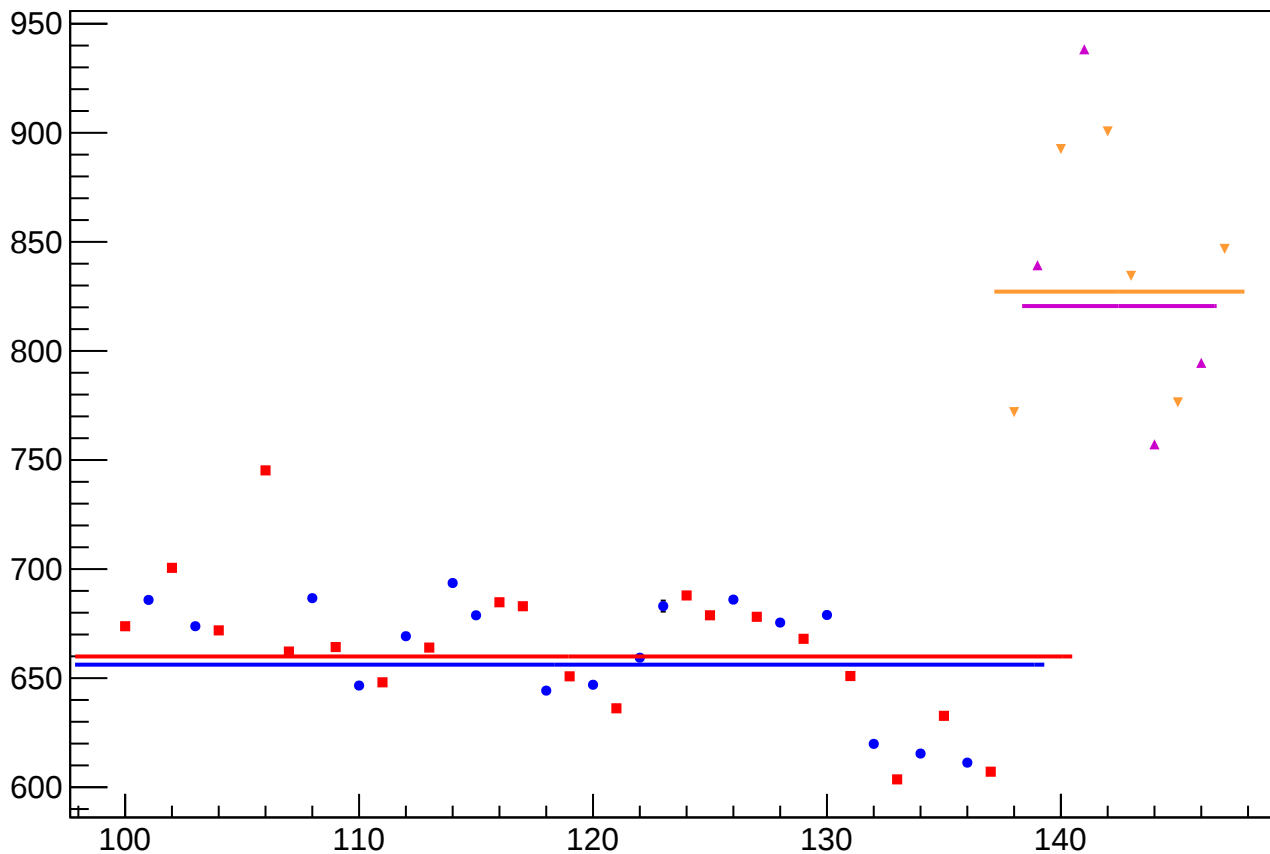
Left In: -40.405 +/- 0.464 χ^2/NDF : 24.7/3

20.899 +/- 0.215 χ^2/NDF : 14026.1/22

10.709 +/- 0.153 χ^2/NDF : 34805.2/46

0.298 +/- 0.218 χ^2/NDF : 16248.4/23

diff_bpm1i04Y_rms vs Slug, Sign Corrected



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

Left Out: 827.197 +/- 0.290 χ^2/NDF : 29037.8/5

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

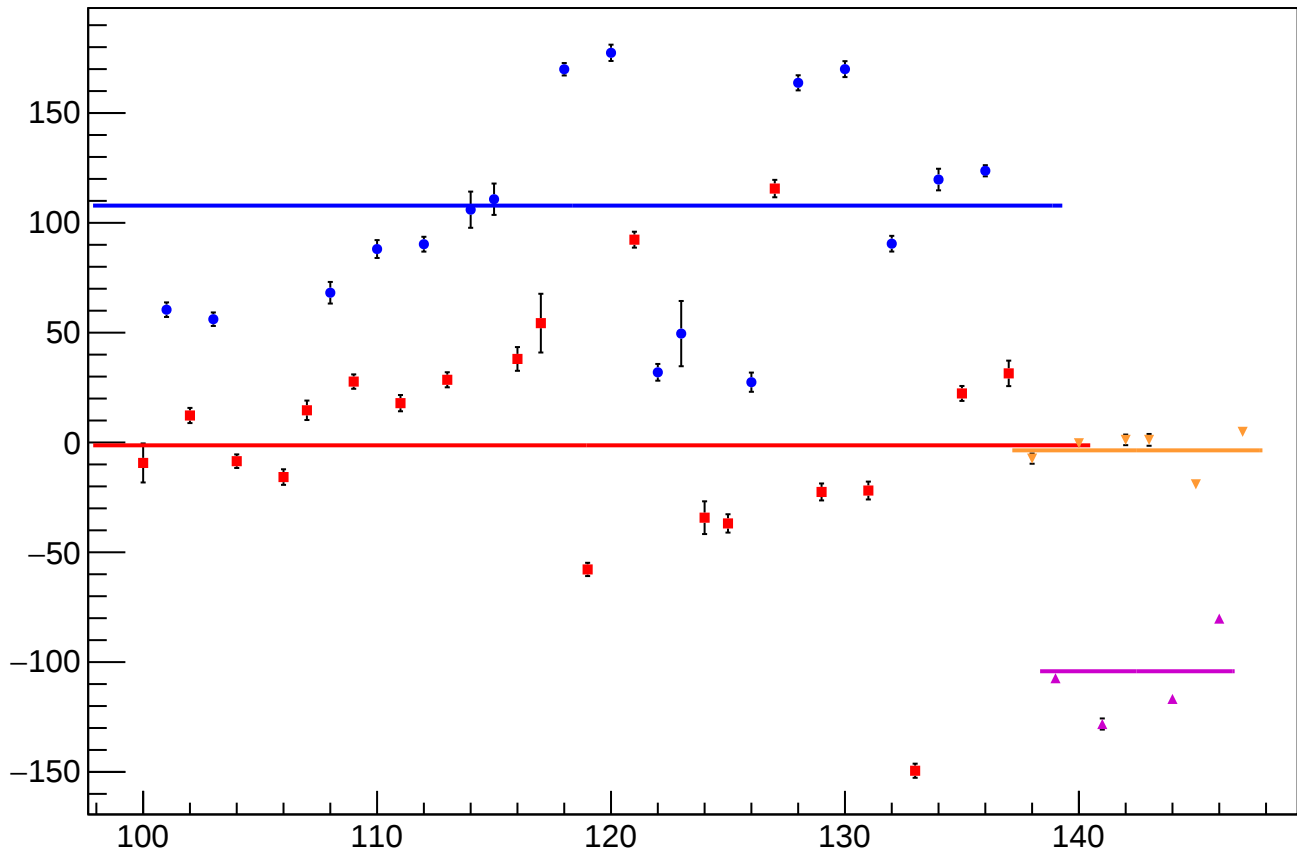
Left In: 820.577 +/- 0.328 χ^2/NDF : 39694.4/3

703.276 +/- 0.152 χ^2/NDF : 304533.9/22

699.291 +/- 0.108 χ^2/NDF : 560863.7/46

695.219 +/- 0.154 χ^2/NDF : 254943.8/23

diff_bpm1i06X_mean vs Slug, Sign Corrected



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

Left Out: -3.587+/-0.906 χ^2/NDF : 89.7/5

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

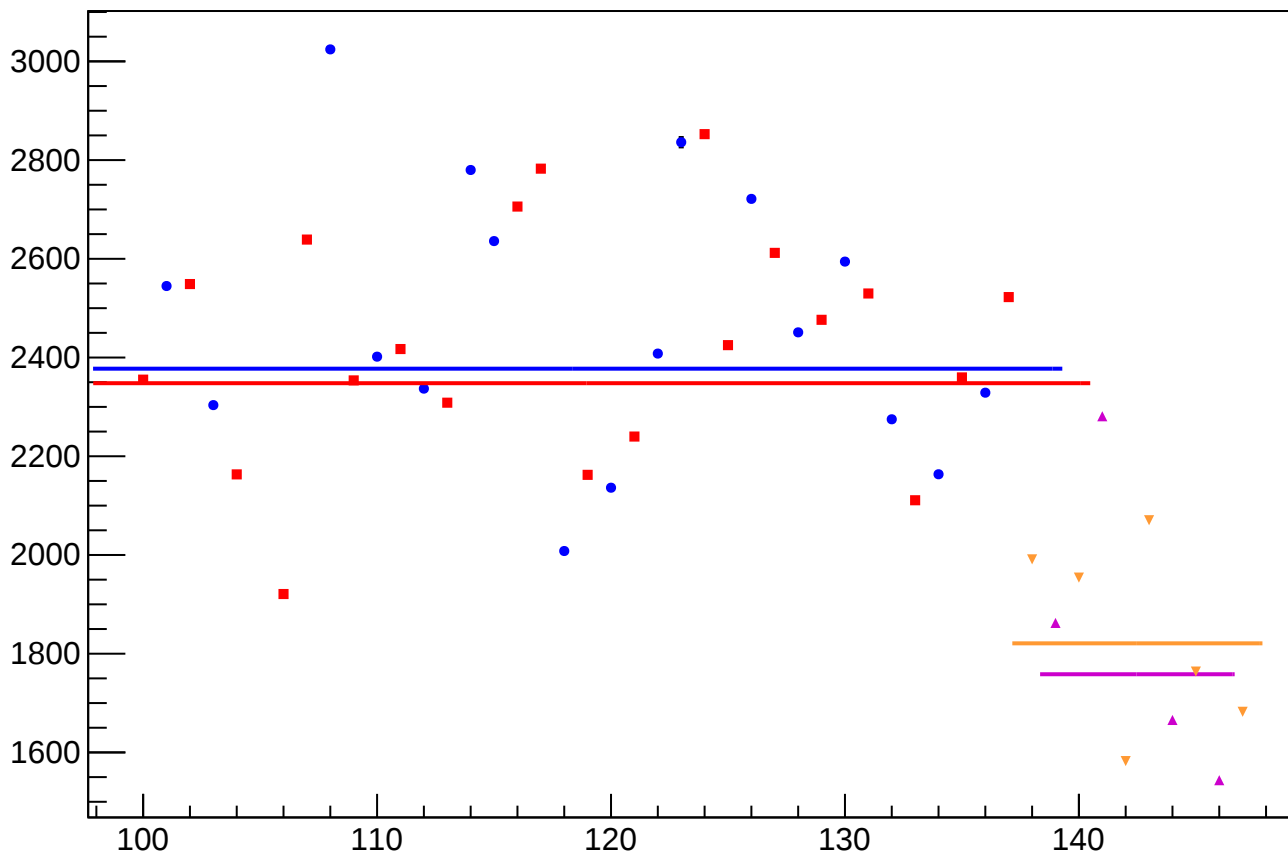
Left In: -104.168+/-1.003 χ^2/NDF : 336.3/3

51.188+/-0.646 χ^2/NDF : 10334.3/22

3.720+/-0.462 χ^2/NDF : 32213.8/46

-46.125+/-0.662 χ^2/NDF : 10813.2/23

diff_bpm1i06X_rms vs Slug, Sign Corrected



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

Left Out: 1820.993 $\pm$ 0.641 χ^2 /NDF: 66867.7/5

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

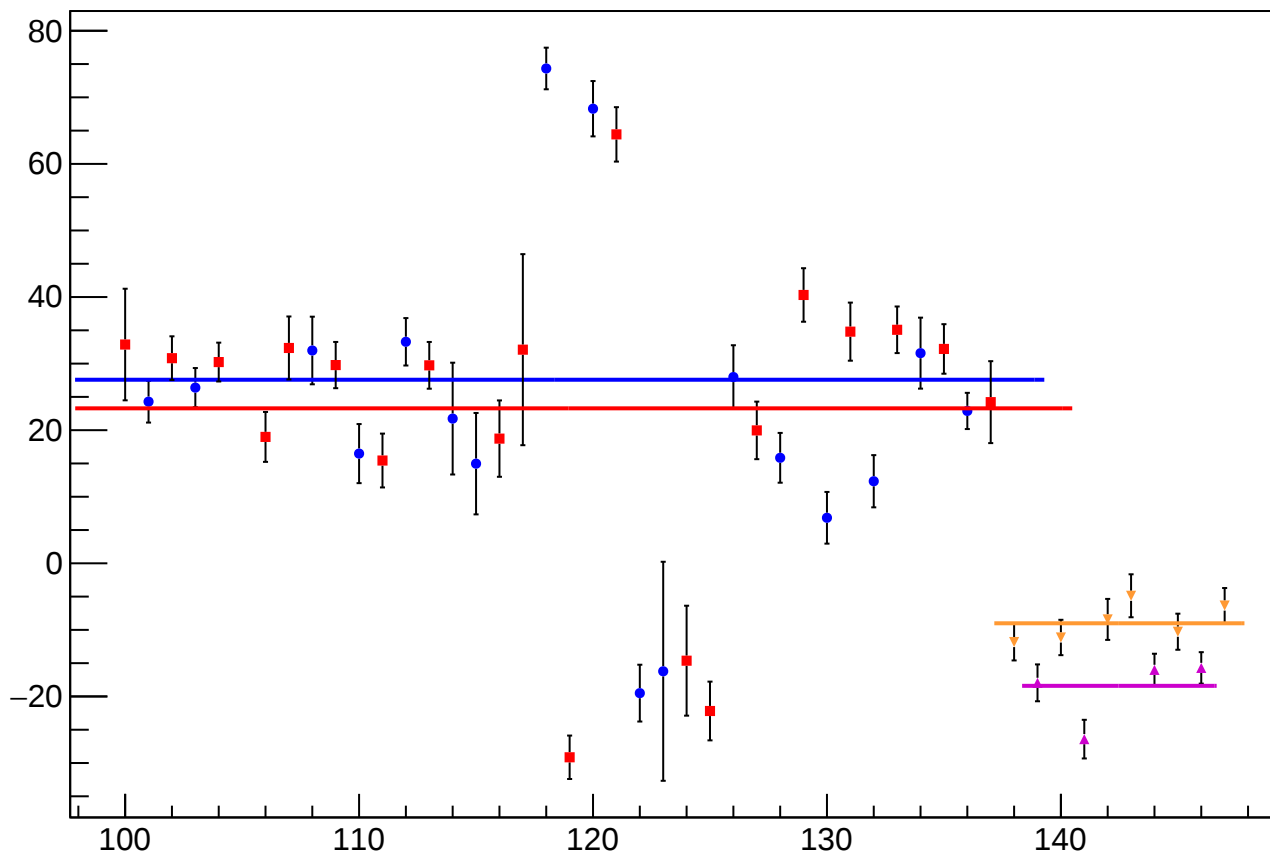
Left In: 1758.391 $\pm$ 0.709 χ^2 /NDF: 125935.6/3

2094.494 $\pm$ 0.457 χ^2 /NDF: 557276.9/22

2092.829 $\pm$ 0.327 χ^2 /NDF: 1183647.6/46

2091.082 $\pm$ 0.468 χ^2 /NDF: 626343.5/23

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.577+/-0.975 χ^2/NDF : 519.6/16

Left Out: -9.010+/-1.151 χ^2/NDF : 4.6/5

Right Out: 23.280+/-0.925 χ^2/NDF : 558.2/19

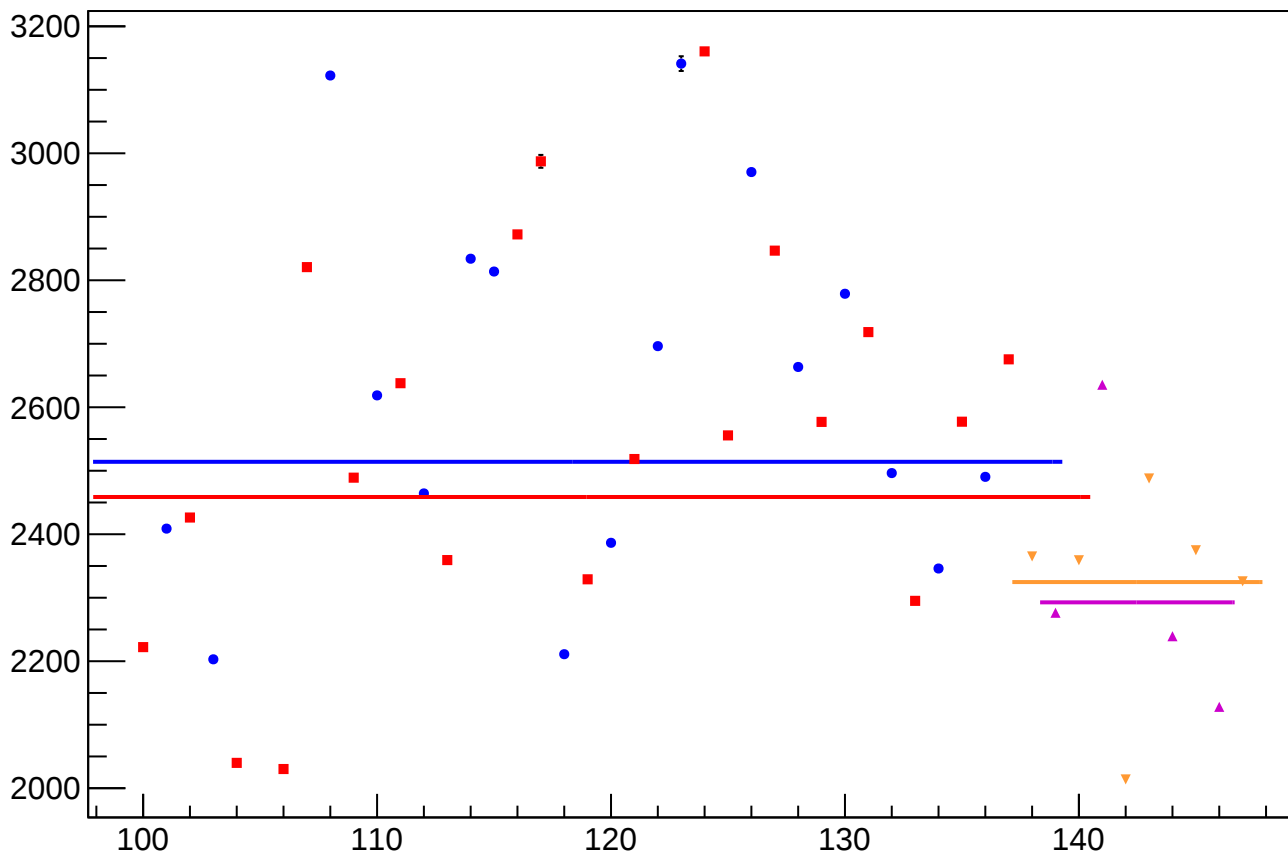
Left In: -18.406+/-1.293 χ^2/NDF : 9.9/3

12.299+/-0.744 χ^2/NDF : 1112.4/22

10.748+/-0.529 χ^2/NDF : 2377.1/46

9.162+/-0.752 χ^2/NDF : 1255.9/23

diff_bpm1i06Y_rms vs Slug, Sign Corrected



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

Left Out: 2324.680 $\pm$ 0.814 χ^2/NDF : 26943.3/5

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

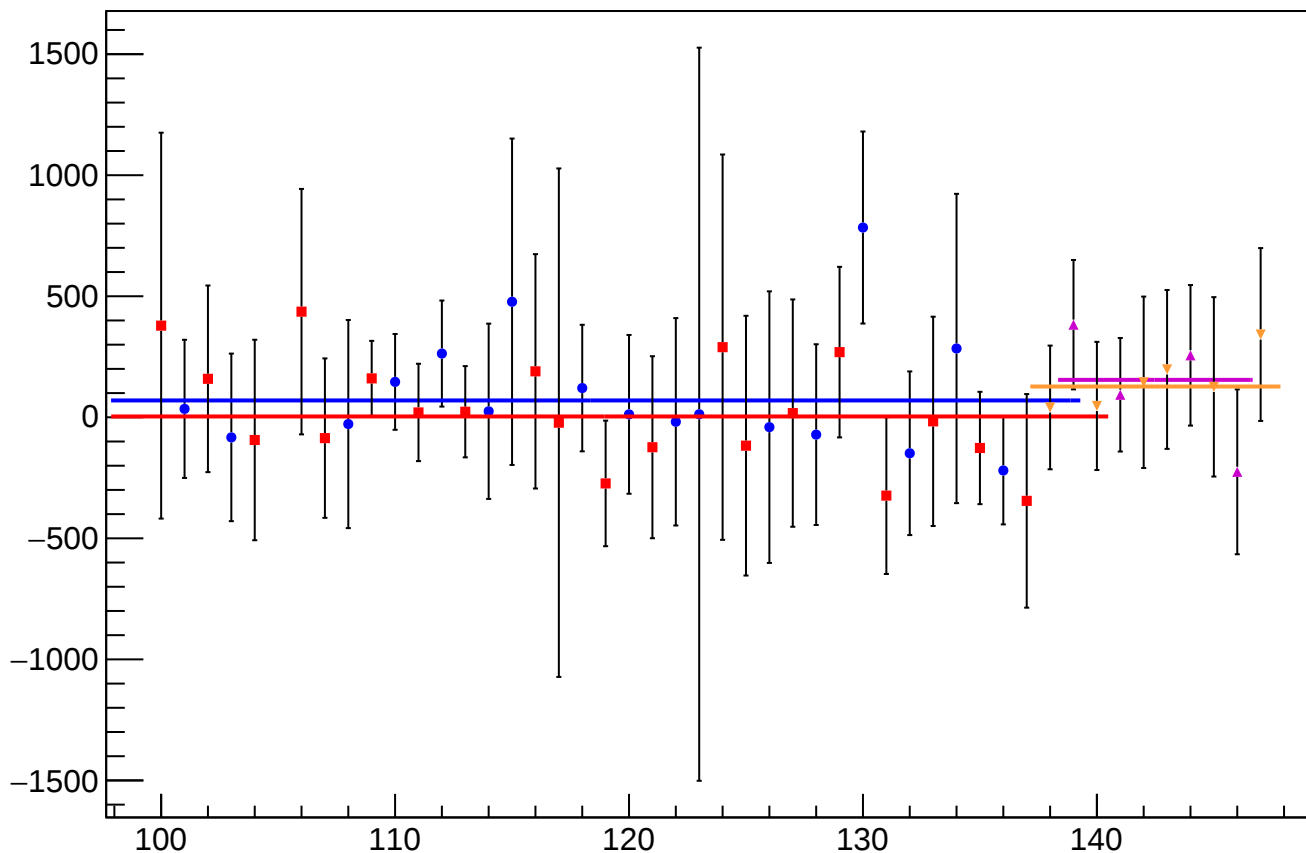
Left In: 2292.715 $\pm$ 0.914 χ^2/NDF : 38619.2/3

2434.994 $\pm$ 0.526 χ^2/NDF : 179437.8/22

2418.910 $\pm$ 0.374 χ^2/NDF : 394204.3/46

2402.462 $\pm$ 0.532 χ^2/NDF : 212875.5/23

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.587+/-79.023 χ^2/NDF : 7.3/16

Left Out: 127.153+/-127.019 χ^2/NDF : 0.6/5

Right Out: 3.448+/-69.825 χ^2/NDF : 6.4/19

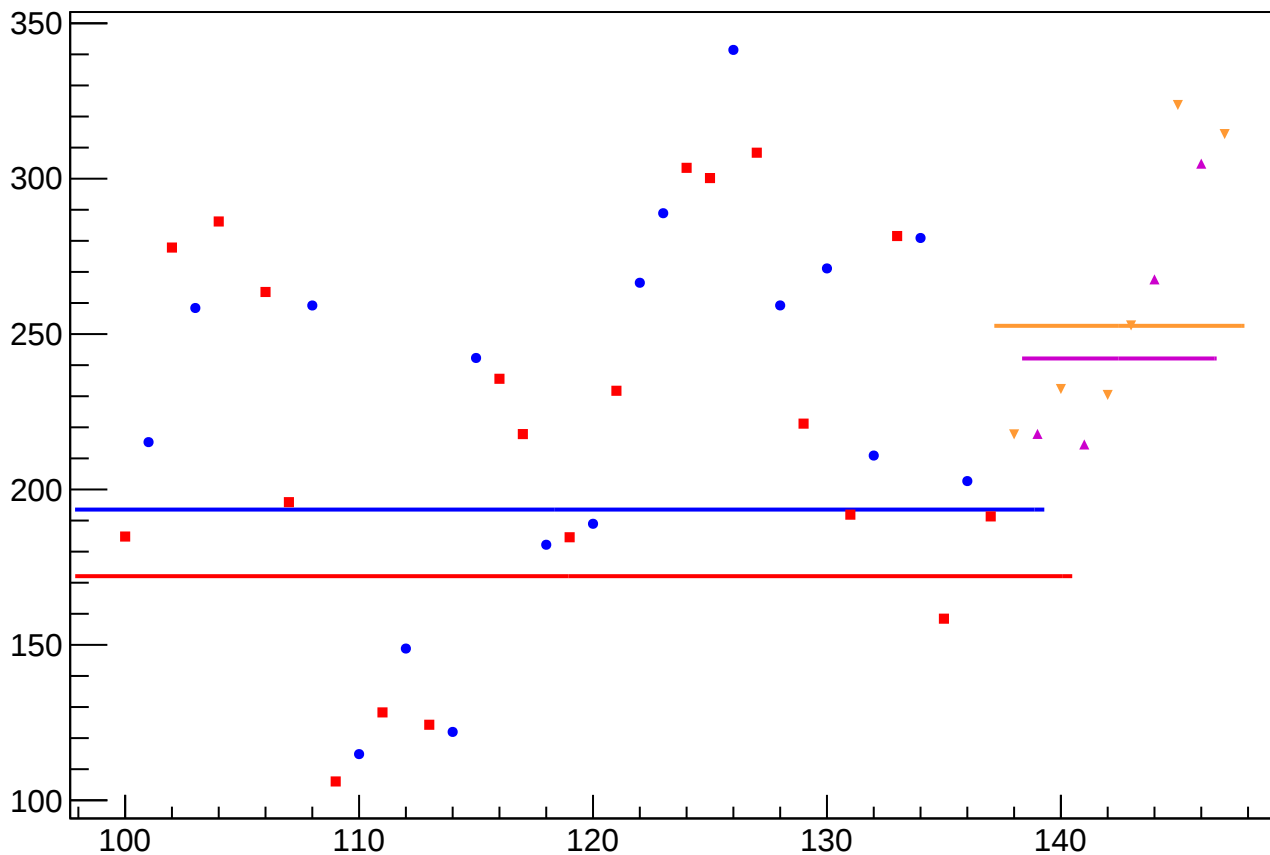
Left In: 154.628+/-137.788 χ^2/NDF : 2.2/3

85.651+/-67.098 χ^2/NDF : 8.1/22

58.088+/-45.648 χ^2/NDF : 17.9/46

34.338+/-62.284 χ^2/NDF : 9.5/23

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.533 ± 0.056 $\chi^2/\text{NDF}: 1010428.2/16$

Left Out: 252.657 ± 0.090 $\chi^2/\text{NDF}: 190327.2/5$

Right Out: 172.104 ± 0.049 $\chi^2/\text{NDF}: 1580690.9/19$

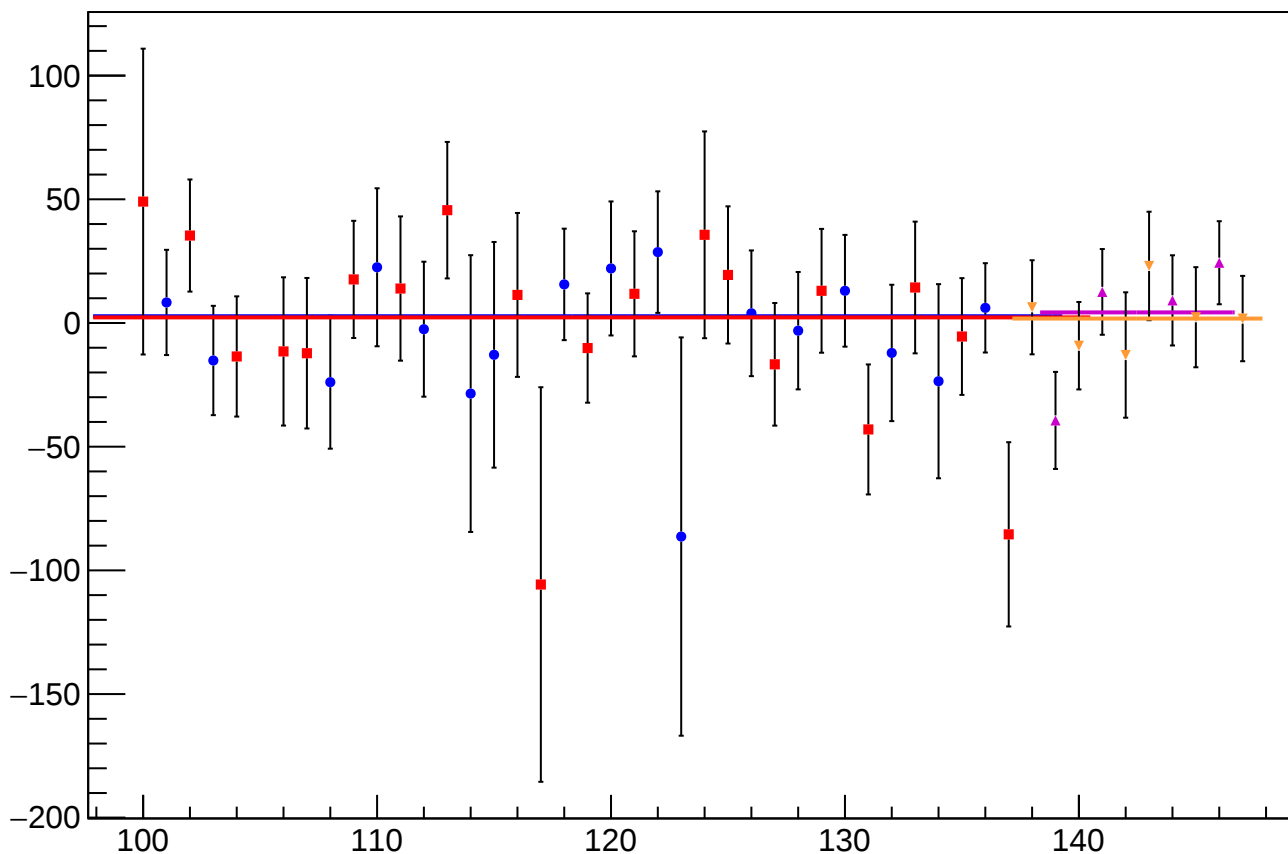
Left In: 242.149 ± 0.097 $\chi^2/\text{NDF}: 127463.0/3$

210.032 ± 0.047 $\chi^2/\text{NDF}: 1513171.6/22$

197.346 ± 0.032 $\chi^2/\text{NDF}: 3765651.8/46$

186.416 ± 0.044 $\chi^2/\text{NDF}: 2119398.6/23$

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 1.796 $\pm$ 8.057 χ^2 /NDF: 1.7/5

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

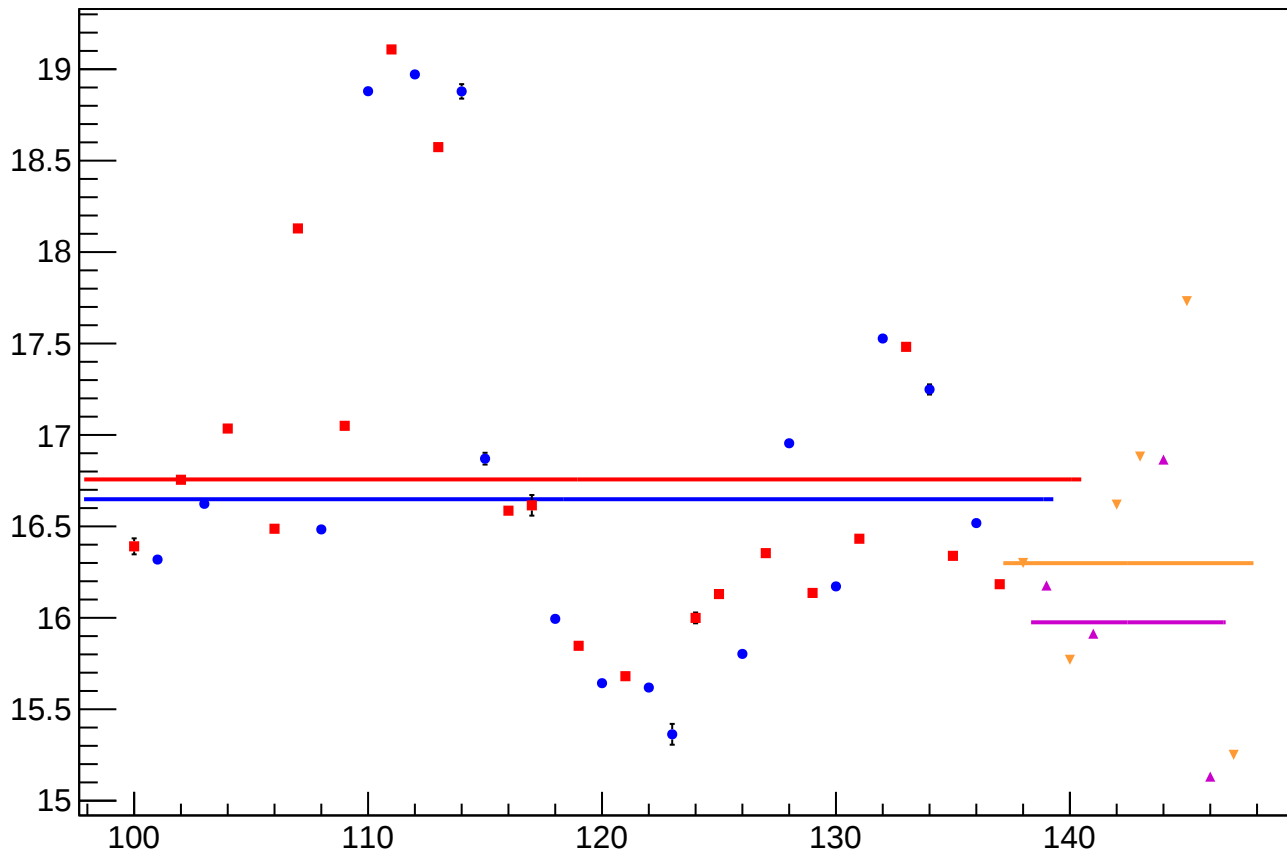
Left In: 4.282 $\pm$ 8.949 χ^2 /NDF: 6.7/3

2.369 $\pm$ 5.023 χ^2 /NDF: 8.5/22

2.641 $\pm$ 3.589 χ^2 /NDF: 34.8/46

2.923 $\pm$ 5.129 χ^2 /NDF: 26.3/23

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.649 $\pm$ 0.005 χ^2 /NDF: 42566.9/16

Left Out: 16.299 $\pm$ 0.006 χ^2 /NDF: 20926.2/5

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

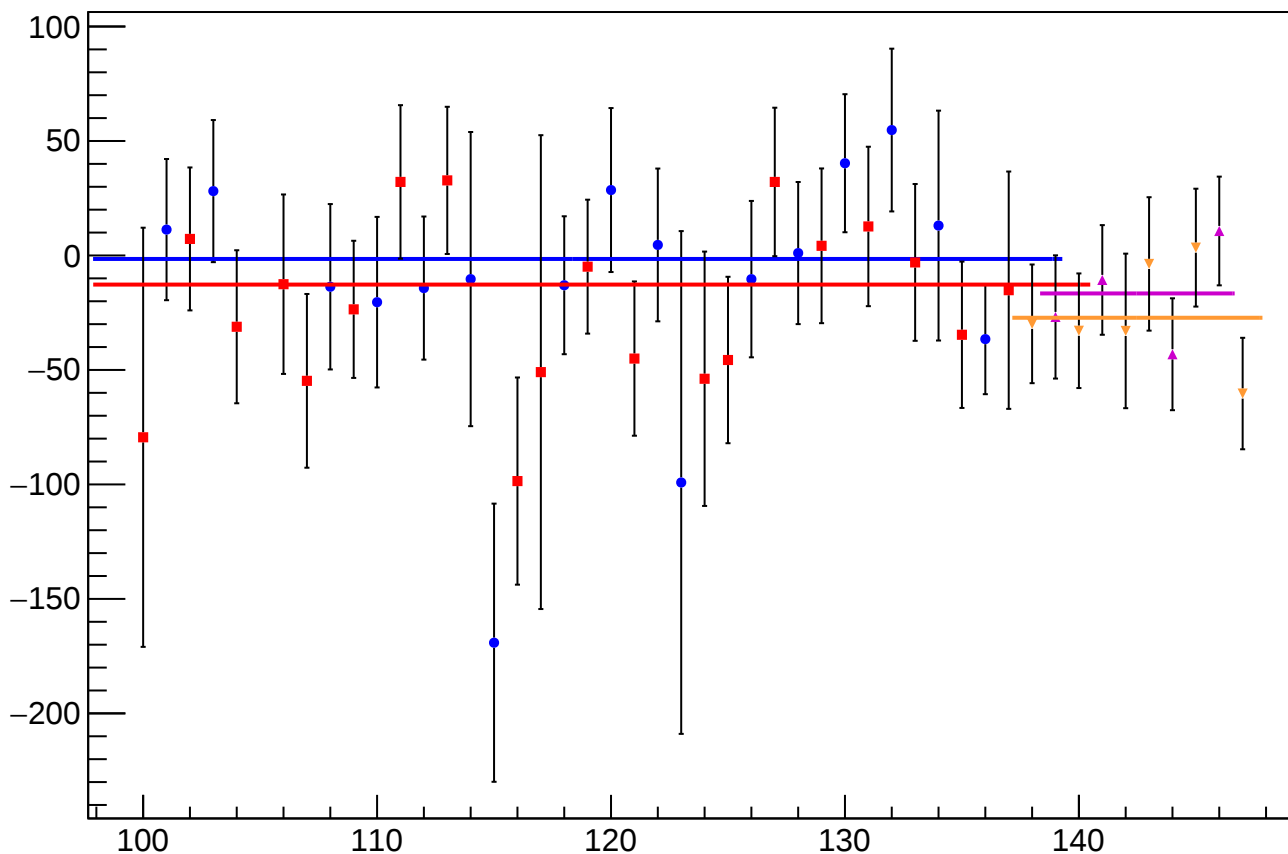
Left In: 15.975 $\pm$ 0.006 χ^2 /NDF: 10055.2/3

16.513 $\pm$ 0.004 χ^2 /NDF: 65795.2/22

16.507 $\pm$ 0.003 χ^2 /NDF: 126052.4/46

16.500 $\pm$ 0.004 χ^2 /NDF: 60251.1/23

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.523 ± 8.485 $\chi^2/\text{NDF}: 17.6/16$

Left Out: -27.206 ± 10.952 $\chi^2/\text{NDF}: 4.0/5$

Right Out: -12.716 ± 8.185 $\chi^2/\text{NDF}: 15.7/19$

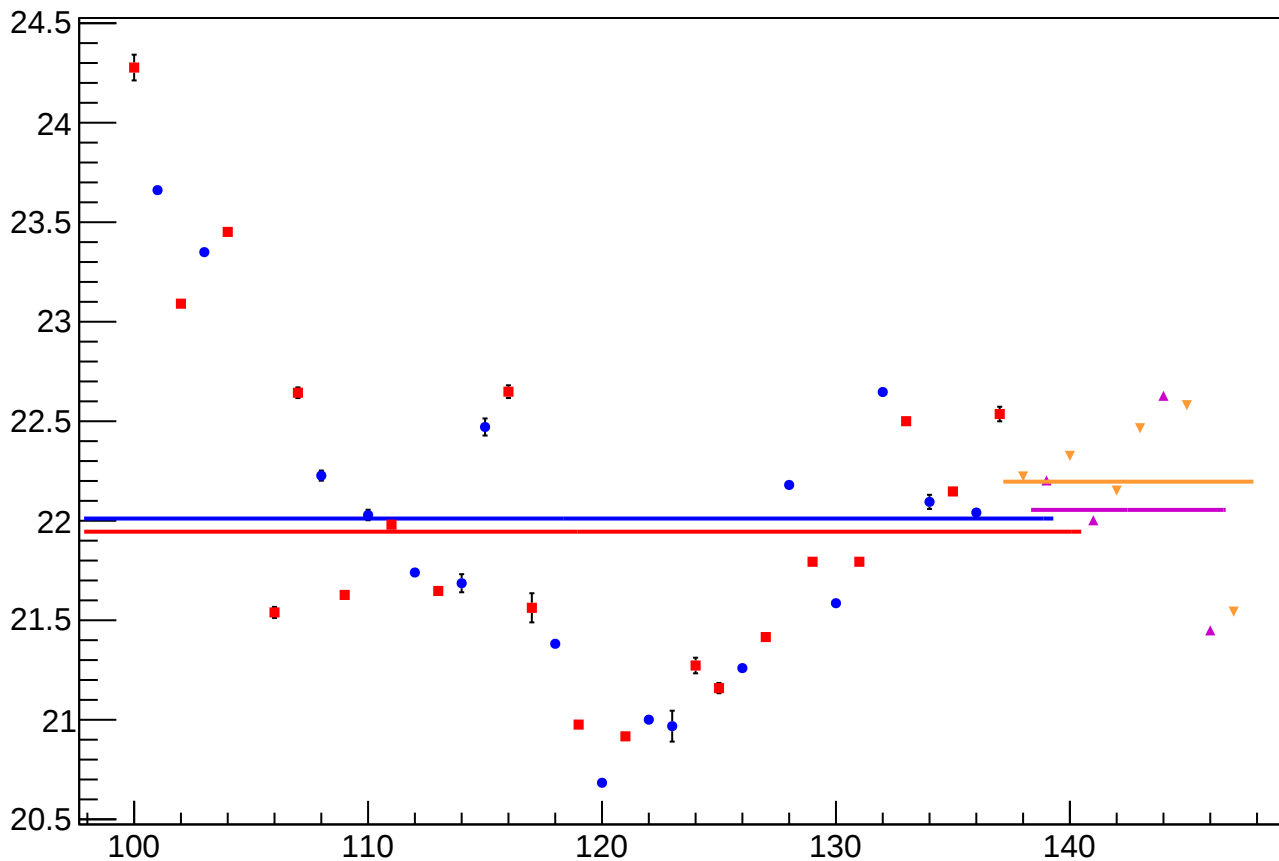
Left In: -16.585 ± 12.333 $\chi^2/\text{NDF}: 2.7/3$

-11.157 ± 6.707 $\chi^2/\text{NDF}: 25.1/22$

-12.505 ± 4.782 $\chi^2/\text{NDF}: 43.7/46$

-13.899 ± 6.820 $\chi^2/\text{NDF}: 18.5/23$

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.011 ± 0.006 χ^2/NDF : 17546.9/16

Left Out: 22.196 ± 0.008 χ^2/NDF : 2113.7/5

Right Out: 21.945 ± 0.006 χ^2/NDF : 16620.2/19

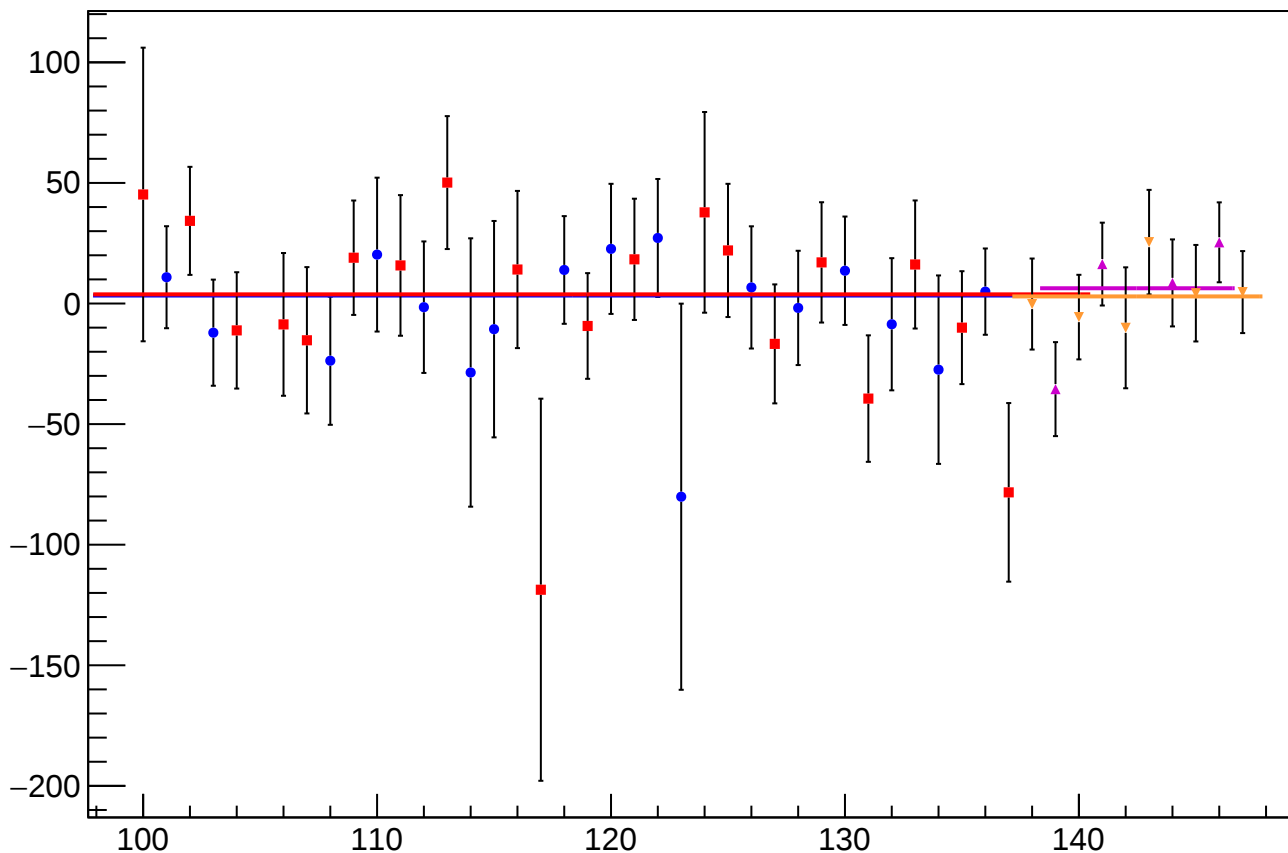
Left In: 22.055 ± 0.009 χ^2/NDF : 2471.5/3

22.081 ± 0.005 χ^2/NDF : 20018.2/22

22.030 ± 0.003 χ^2/NDF : 39447.5/46

21.979 ± 0.005 χ^2/NDF : 19201.3/23

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: 2.944 $\pm$ 7.971 χ^2 /NDF: 1.6/5

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

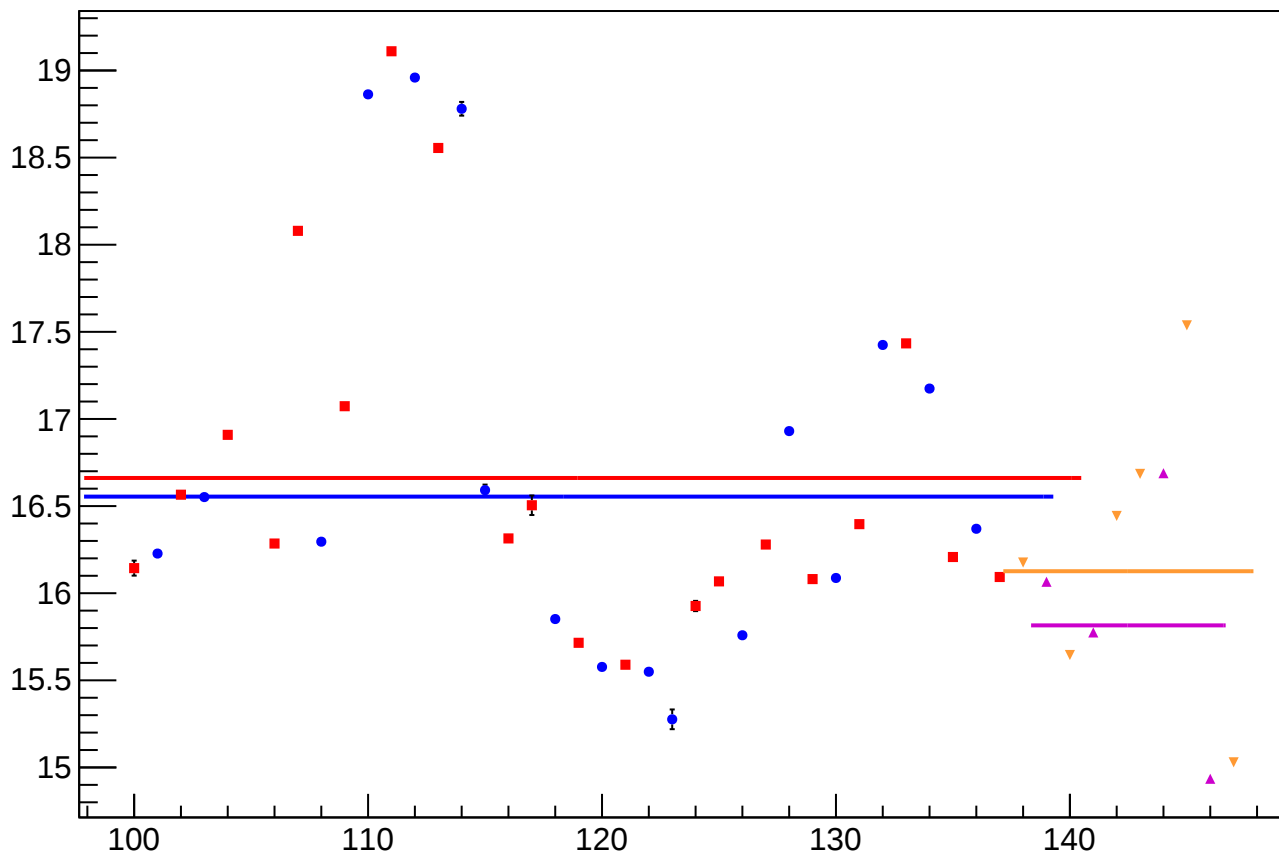
Left In: 6.327 $\pm$ 8.860 χ^2 /NDF: 6.3/3

3.171 $\pm$ 4.985 χ^2 /NDF: 7.9/22

3.887 $\pm$ 3.562 χ^2 /NDF: 34.4/46

4.635 $\pm$ 5.093 χ^2 /NDF: 26.5/23

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.554+/-0.005 χ^2/NDF : 44475.2/16

Left Out: 16.126+/-0.006 χ^2/NDF : 21437.1/5

Right Out: 16.661+/-0.004 χ^2/NDF : 43071.4/19

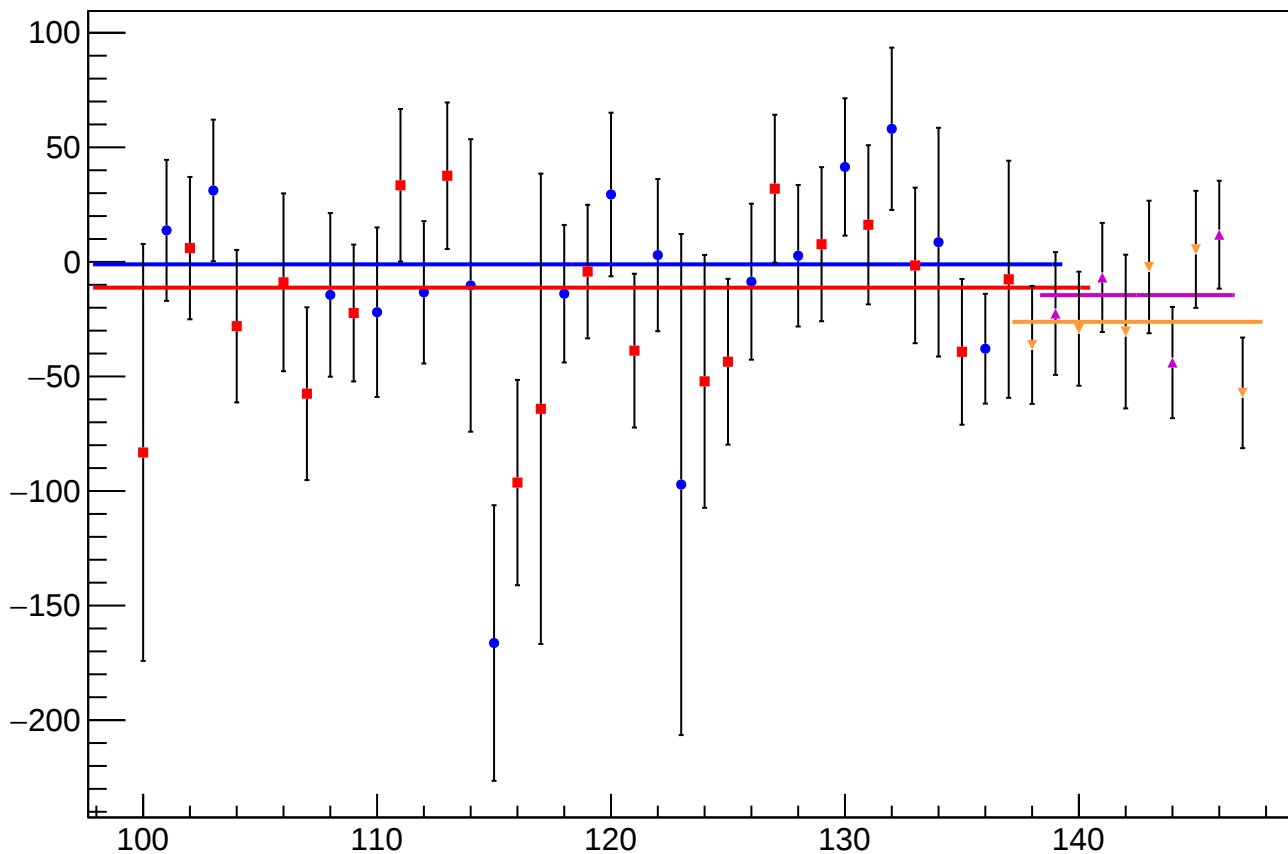
Left In: 15.815+/-0.006 χ^2/NDF : 10674.2/3

16.387+/-0.004 χ^2/NDF : 69426.0/22

16.384+/-0.003 χ^2/NDF : 135381.8/46

16.382+/-0.004 χ^2/NDF : 65954.8/23

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: -26.155 ± 10.875 $\chi^2/\text{NDF}: 4.1/5$

Right Out: -11.235 ± 8.143 $\chi^2/\text{NDF}: 16.5/19$

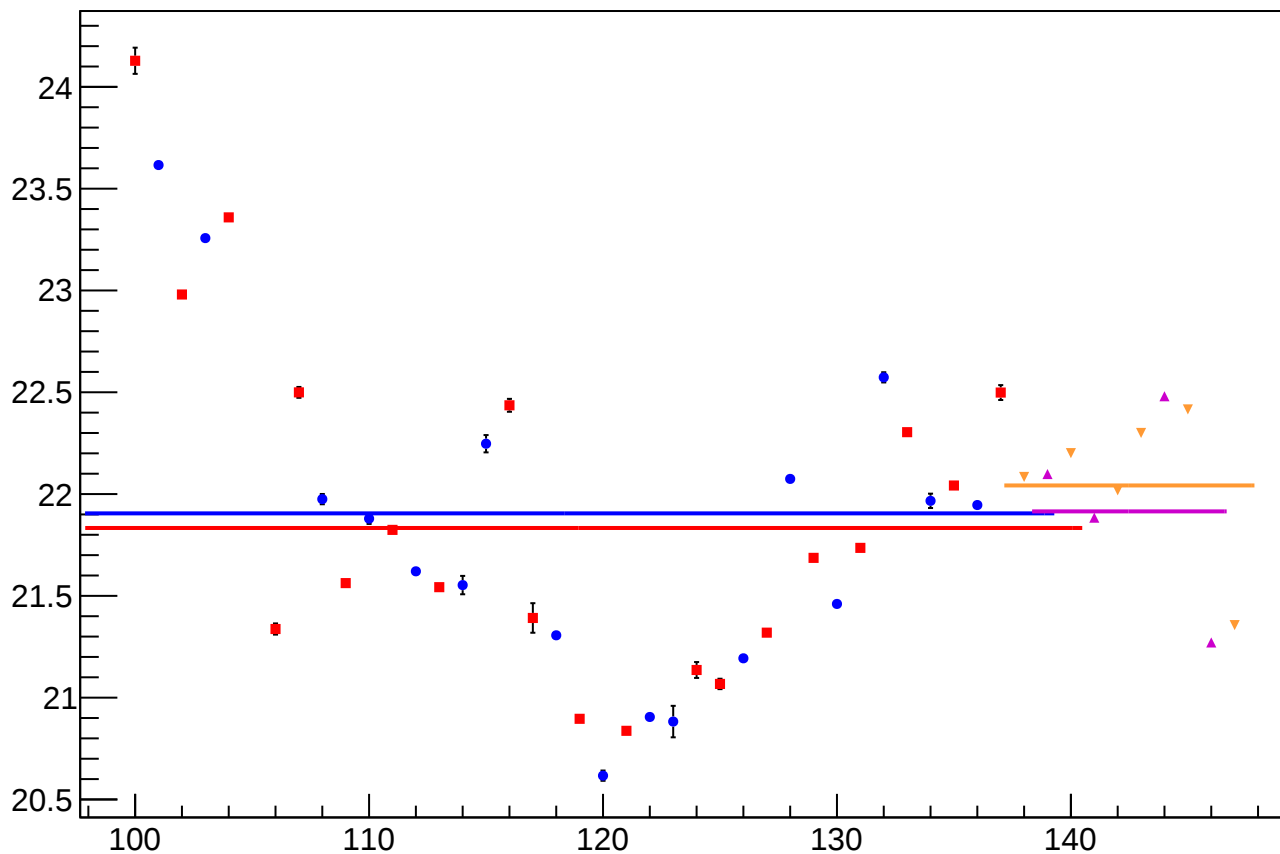
Left In: -14.496 ± 12.255 $\chi^2/\text{NDF}: 2.9/3$

-10.504 ± 6.670 $\chi^2/\text{NDF}: 25.8/22$

-11.355 ± 4.756 $\chi^2/\text{NDF}: 45.4/46$

-12.234 ± 6.782 $\chi^2/\text{NDF}: 19.5/23$

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: 22.042 ± 0.008 χ^2/NDF : 2290.0/5

Right Out: 21.833 ± 0.006 χ^2/NDF : 16288.5/19

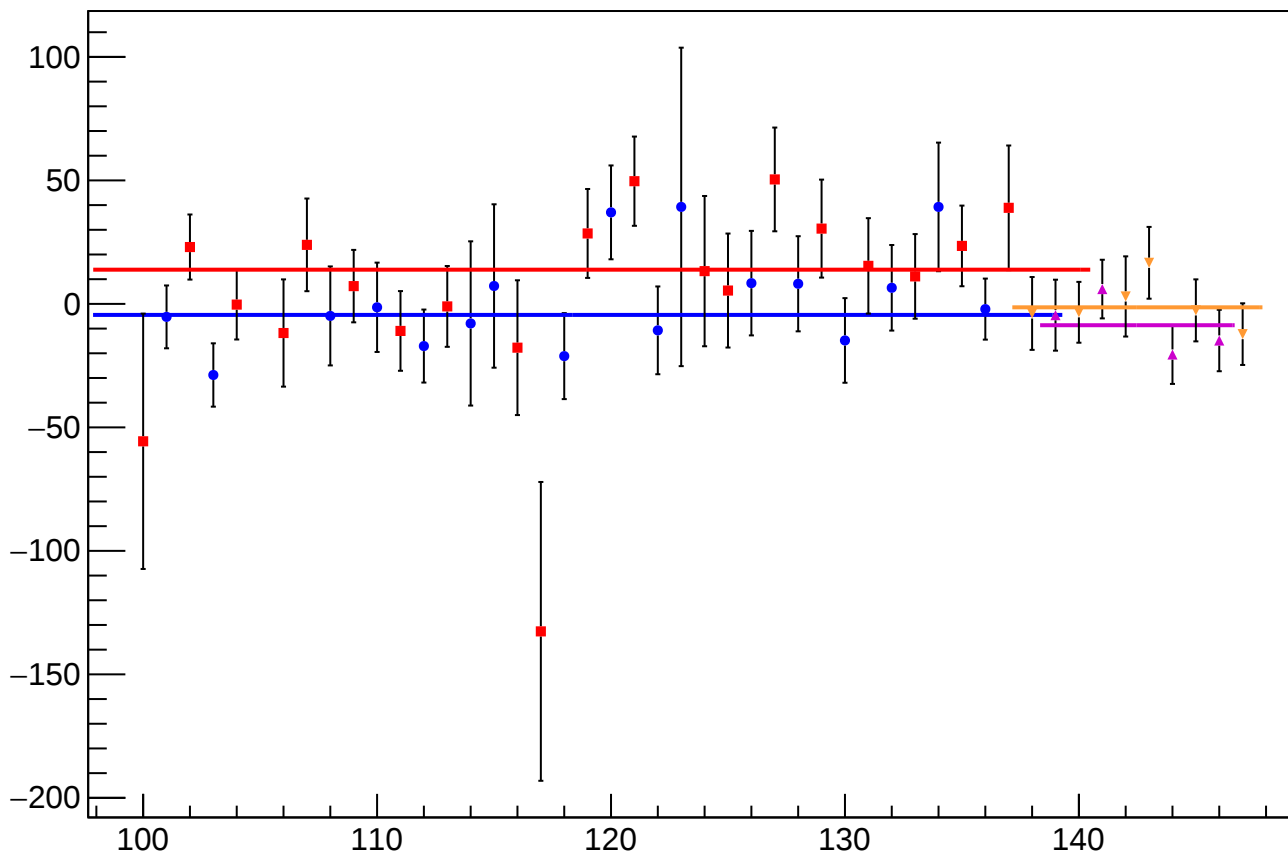
Left In: 21.915 ± 0.009 χ^2/NDF : 2677.9/3

21.957 ± 0.005 χ^2/NDF : 20282.6/22

21.908 ± 0.003 χ^2/NDF : 39524.4/46

21.858 ± 0.005 χ^2/NDF : 19027.7/23

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: -1.392+/-5.549 χ^2 /NDF: 2.4/5

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

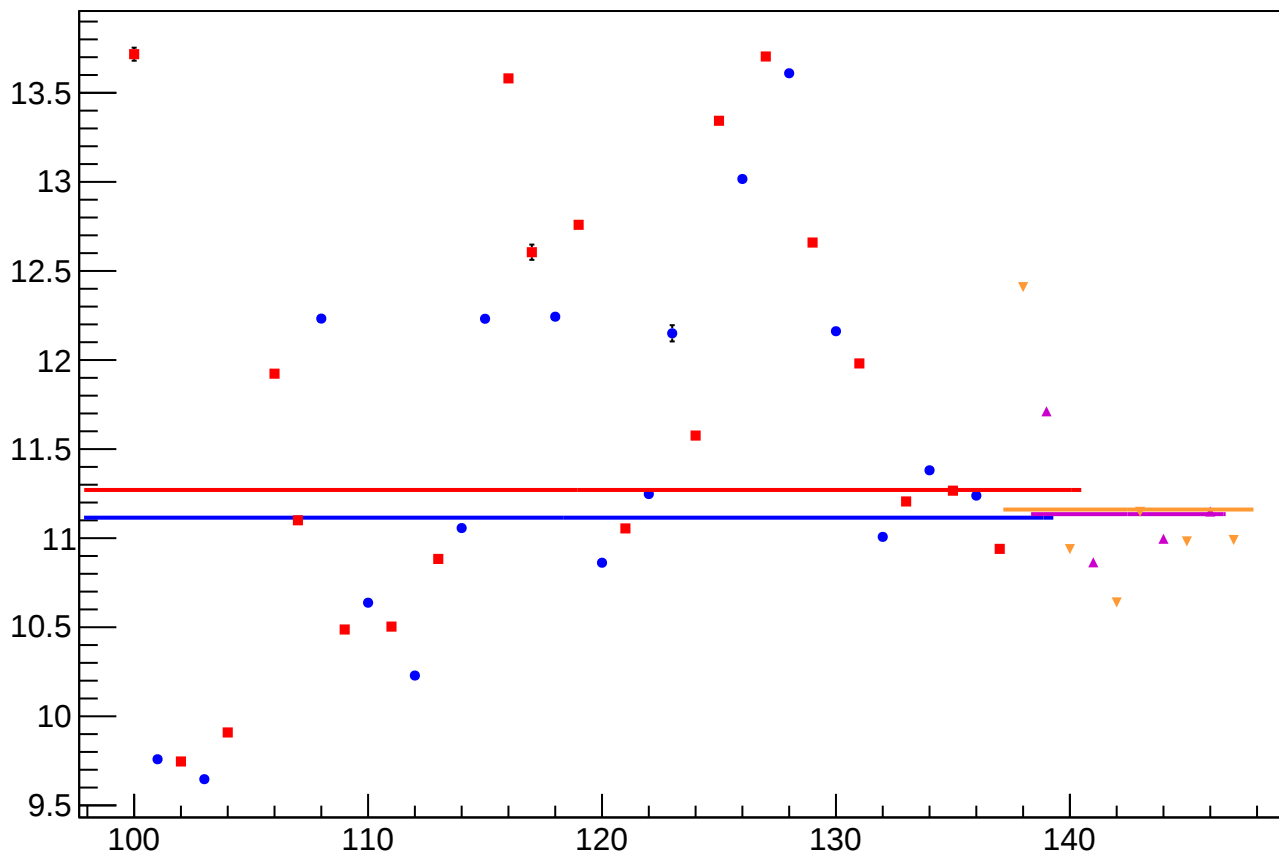
Left In: -8.635+/-6.268 χ^2 /NDF: 2.8/3

-3.300+/-3.413 χ^2 /NDF: 17.8/22

1.576+/-2.450 χ^2 /NDF: 59.1/46

6.762+/-3.520 χ^2 /NDF: 37.0/23

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: 11.161+/-0.004 χ^2/NDF : 17828.1/5

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

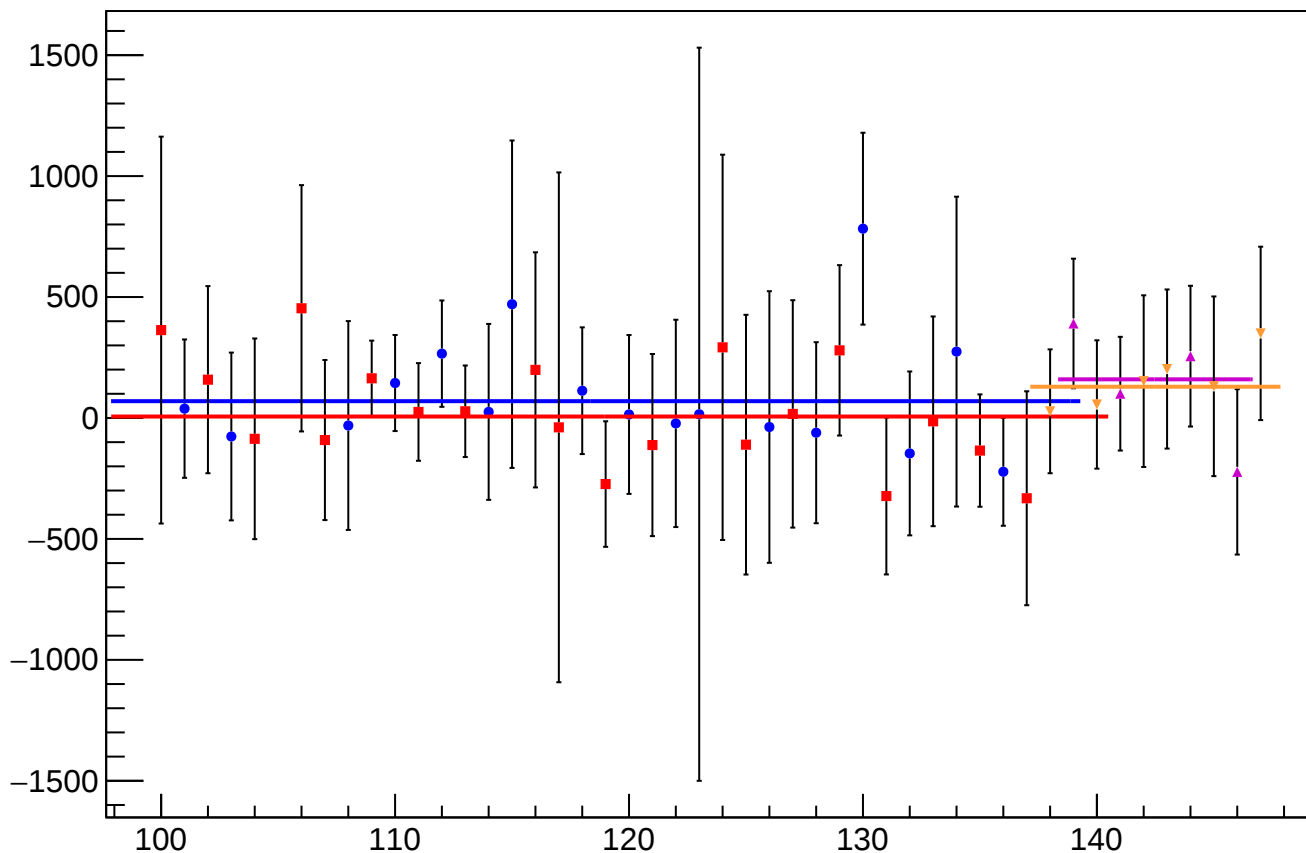
Left In: 11.135+/-0.004 χ^2/NDF : 4538.1/3

11.132+/-0.002 χ^2/NDF : 150971.7/22

11.179+/-0.002 χ^2/NDF : 305371.9/46

11.228+/-0.002 χ^2/NDF : 153641.9/23

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: 129.123+/-127.347 χ^2/NDF : 0.7/5

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

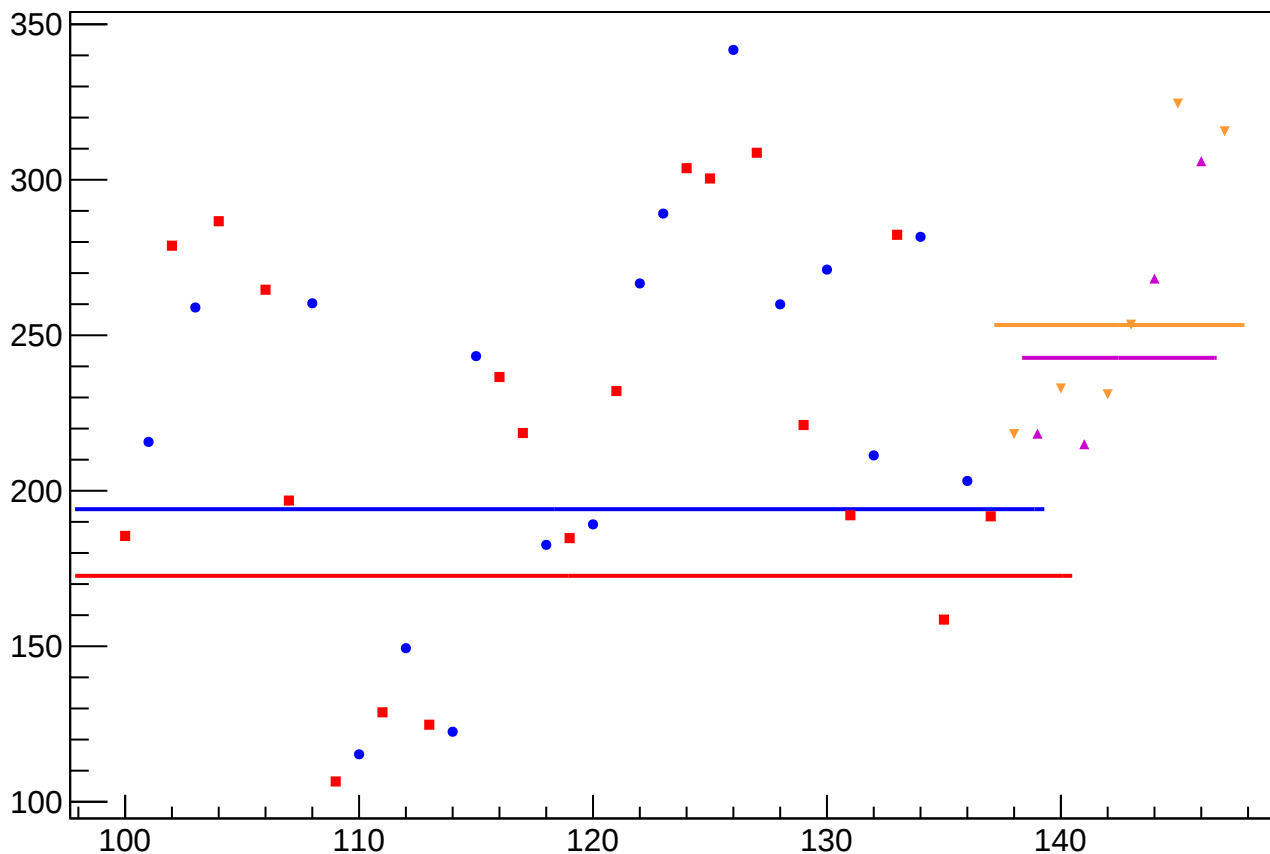
Left In: 159.763+/-138.139 χ^2/NDF : 2.2/3

86.117+/-67.273 χ^2/NDF : 8.1/22

59.971+/-45.773 χ^2/NDF : 18.0/46

37.433+/-62.460 χ^2/NDF : 9.6/23

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.082 $\pm$ 0.056 χ^2 /NDF: 1005395.7/16

Left Out: 253.296 $\pm$ 0.090 χ^2 /NDF:191111.7/5

Right Out: 172.655 $\pm$ 0.050 χ^2 /NDF: 1573277.0/19

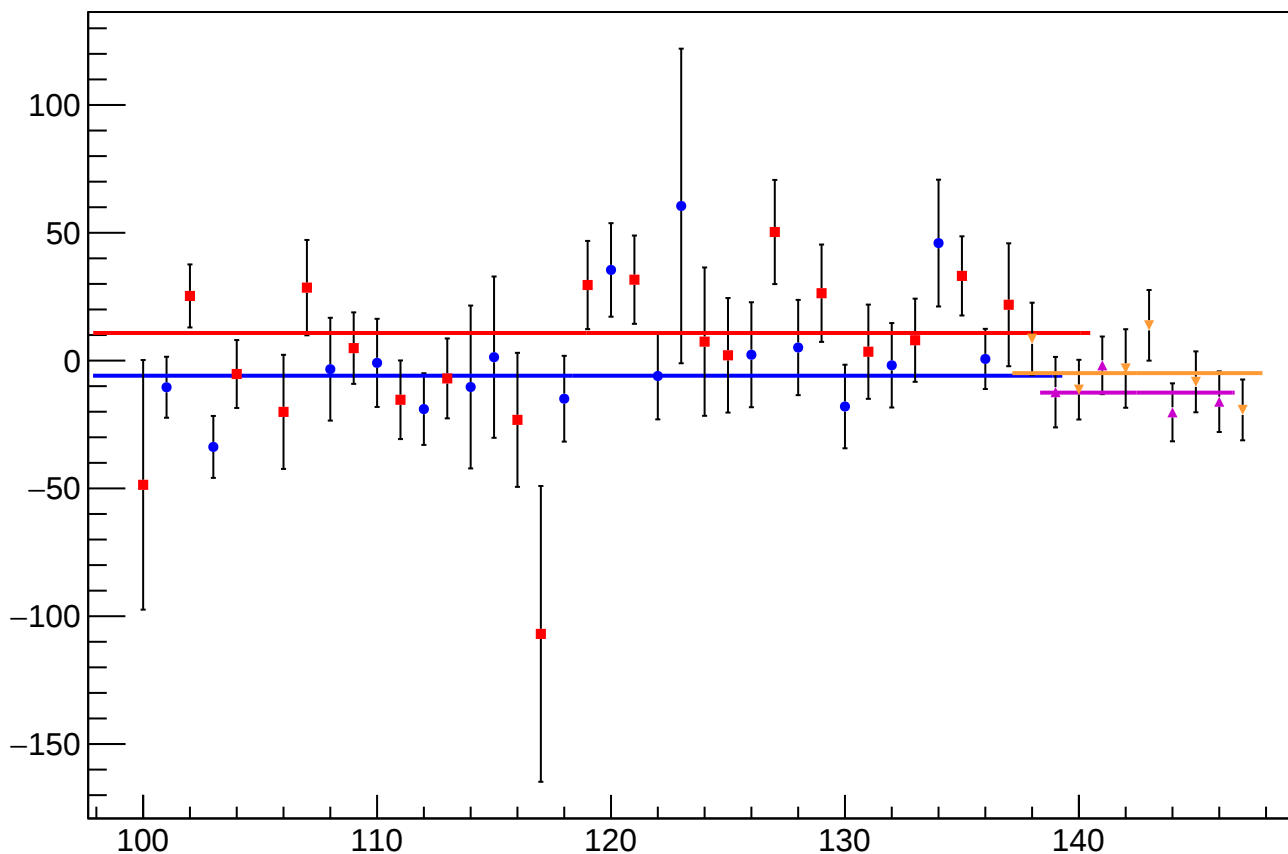
Left In: 242.748 $\pm$ 0.098 χ^2 /NDF:128264.5/3

210.607 $\pm$ 0.048 χ^2 /NDF: 1508259.4/22

197.921 $\pm$ 0.032 χ^2 /NDF: 3751875.8/46

186.985 $\pm$ 0.044 χ^2 /NDF: 2111193.6/23

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.912 $\pm$ 4.133 χ^2/NDF : 18.8/16

Left Out: -4.903 $\pm$ 5.275 χ^2/NDF : 4.6/5

Right Out: 10.806 $\pm$ 4.068 χ^2/NDF : 27.0/19

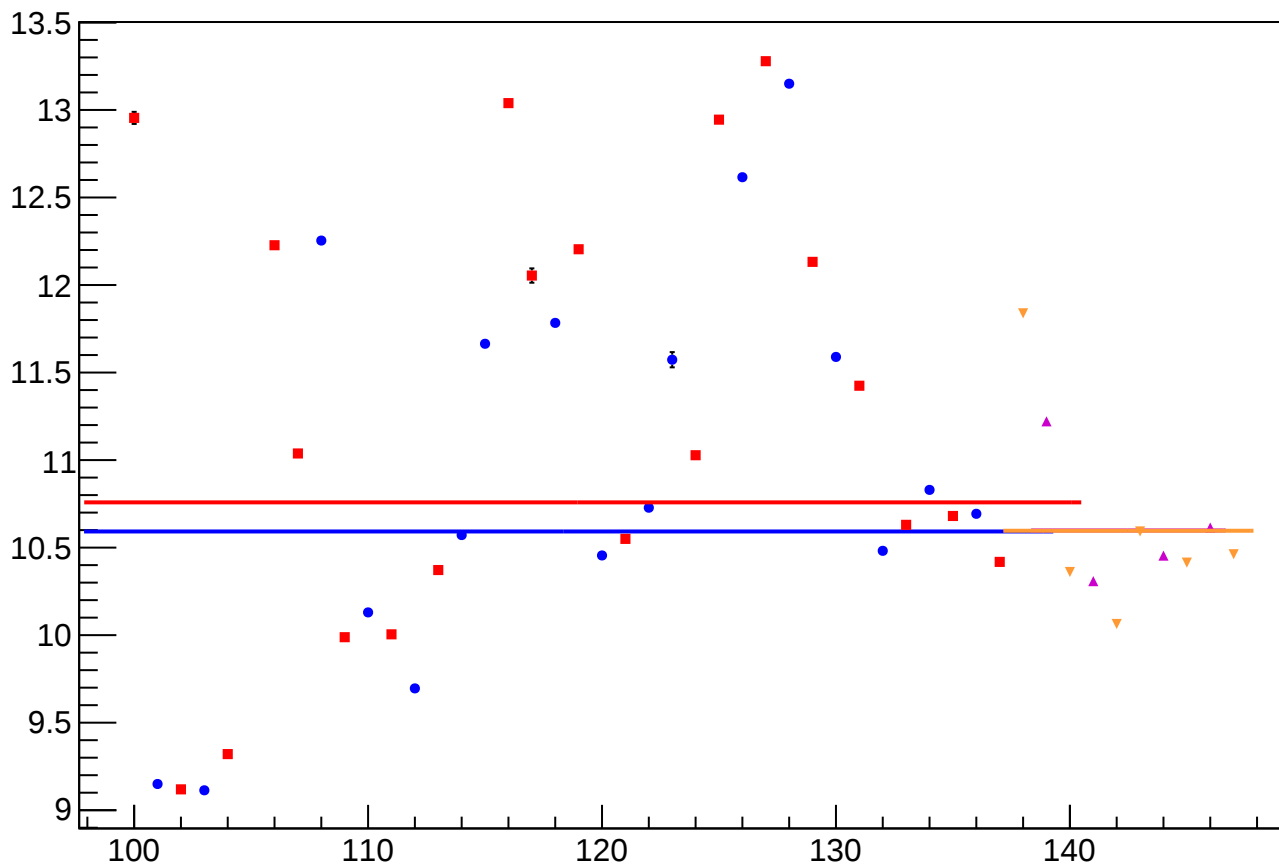
Left In: -12.533 $\pm$ 5.973 χ^2/NDF : 1.4/3

-5.529 $\pm$ 3.253 χ^2/NDF : 23.5/22

-1.207 $\pm$ 2.338 χ^2/NDF : 66.0/46

3.410 $\pm$ 3.363 χ^2/NDF : 38.9/23

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.592 $\pm$ 0.003 χ^2 /NDF: 160397.9/16

Left Out: 10.596 $\pm$ 0.004 χ^2 /NDF: 19428.1/5

Right Out: 10.758 $\pm$ 0.003 χ^2 /NDF: 177903.3/19

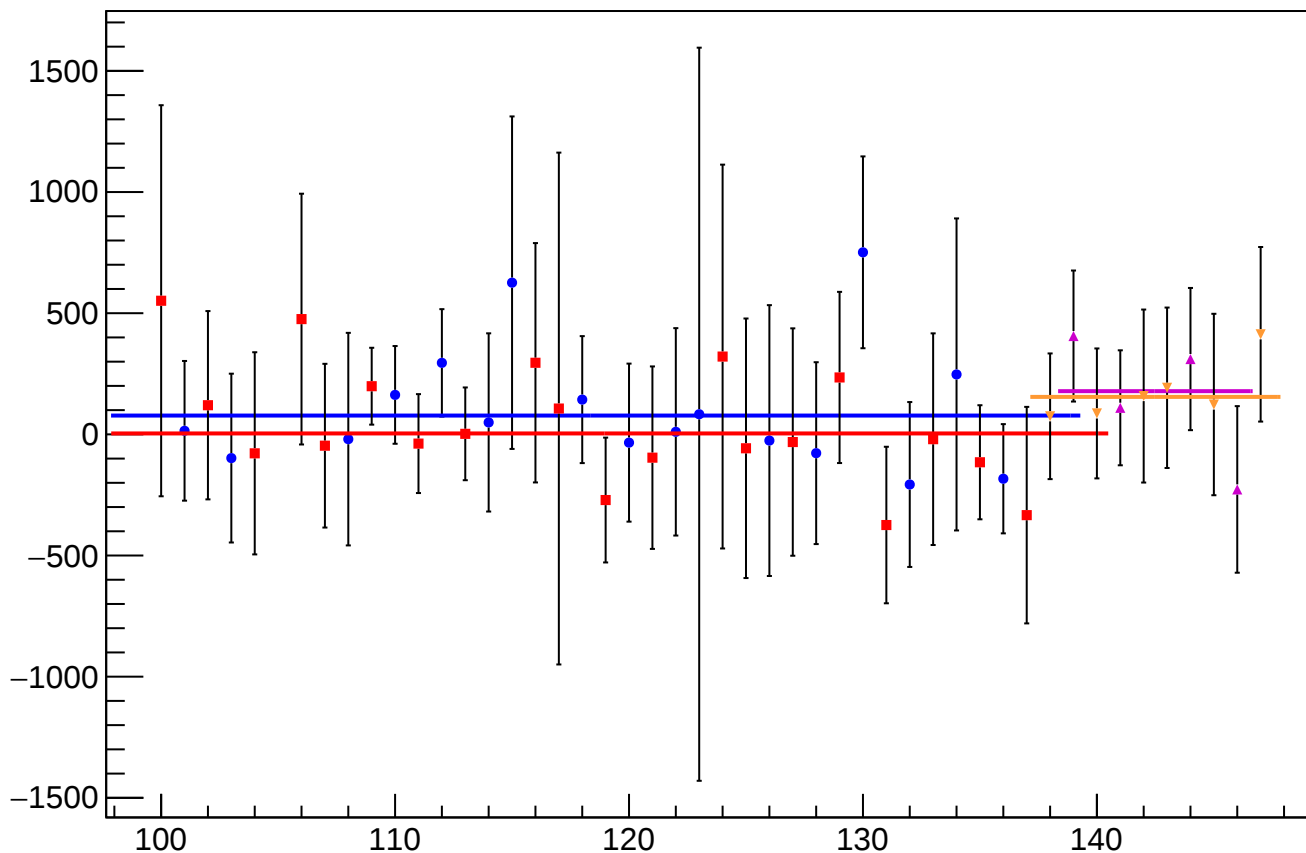
Left In: 10.598 $\pm$ 0.004 χ^2 /NDF: 5732.9/3

10.594 $\pm$ 0.002 χ^2 /NDF: 179826.7/22

10.649 $\pm$ 0.002 χ^2 /NDF: 365631.8/46

10.708 $\pm$ 0.002 χ^2 /NDF: 184622.2/23

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 77.589+/-79.751 χ^2/NDF : 7.6/16

Left Out: 154.585+/-128.469 χ^2/NDF : 0.7/5

Right Out: 3.768+/-70.696 χ^2/NDF : 7.4/19

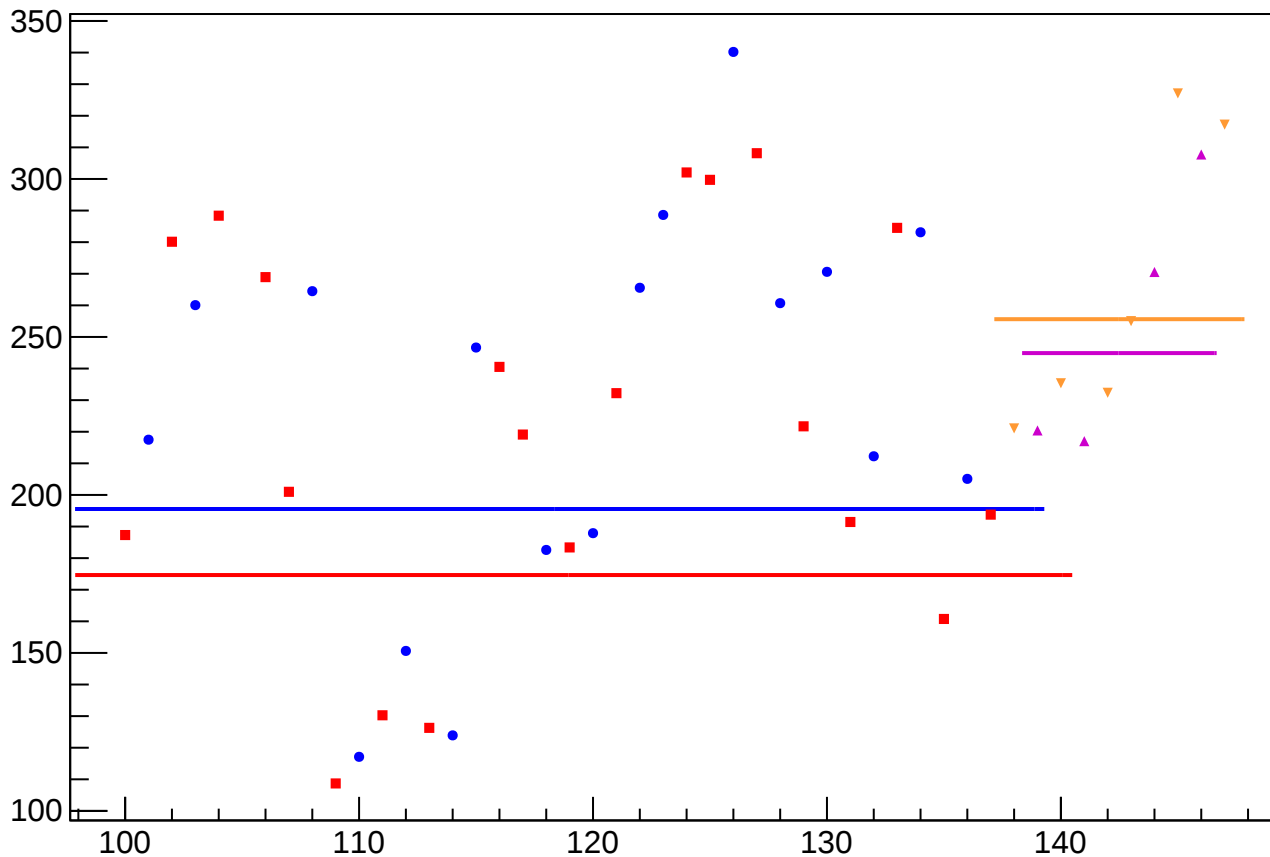
Left In: 178.247+/-139.317 χ^2/NDF : 2.4/3

99.007+/-67.757 χ^2/NDF : 8.5/22

67.110+/-46.155 χ^2/NDF : 19.9/46

39.497+/-63.043 χ^2/NDF : 11.0/23

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.551 $\pm$ 0.056 χ^2 /NDF: 979937.7/16

Left Out: 255.624 $\pm$ 0.091 χ^2 /NDF:186775.4/5

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

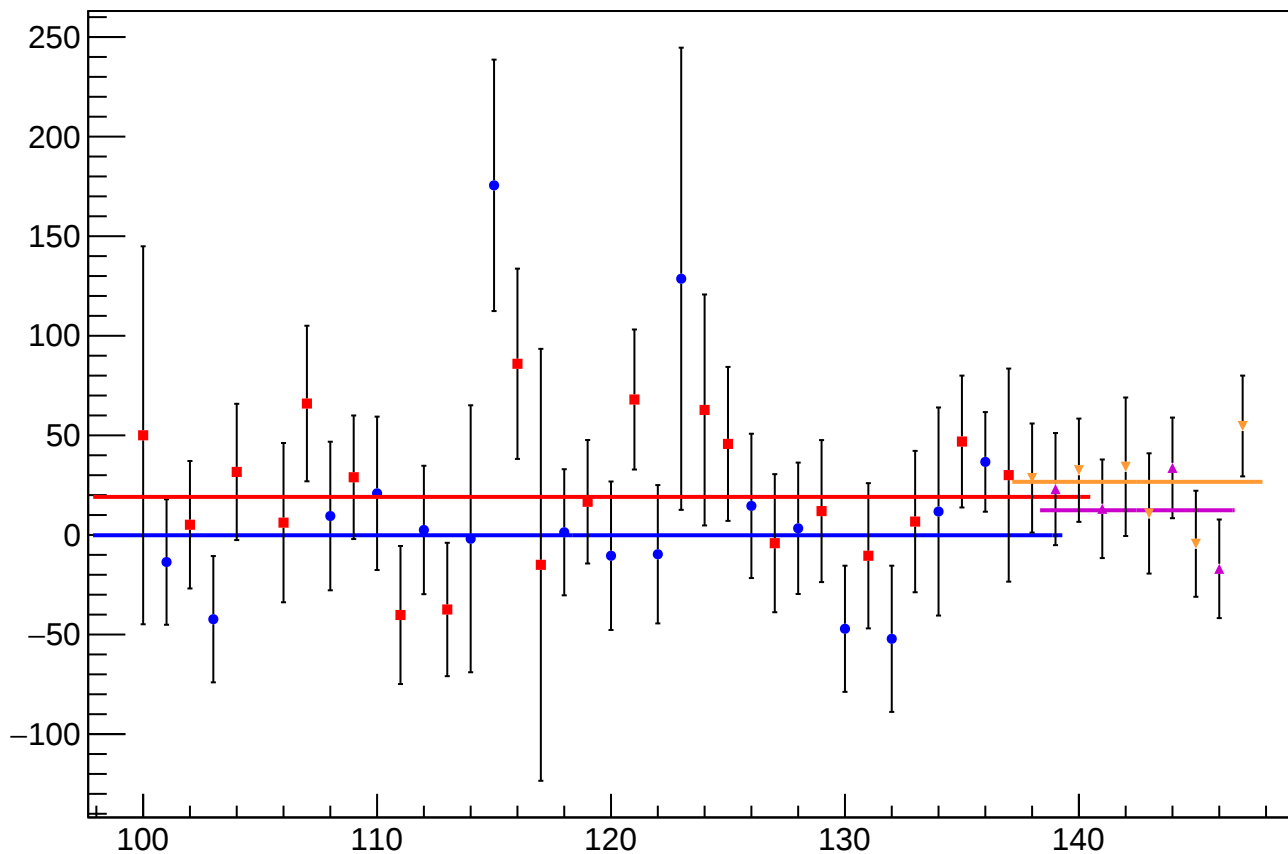
Left In: 244.893 $\pm$ 0.099 χ^2 /NDF:126167.8/3

212.261 $\pm$ 0.048 χ^2 /NDF: 1482378.5/22

199.811 $\pm$ 0.033 χ^2 /NDF: 3671039.9/46

189.033 $\pm$ 0.045 χ^2 /NDF: 2062679.8/23

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 26.667 ± 11.383 $\chi^2/\text{NDF}: 3.0/5$

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

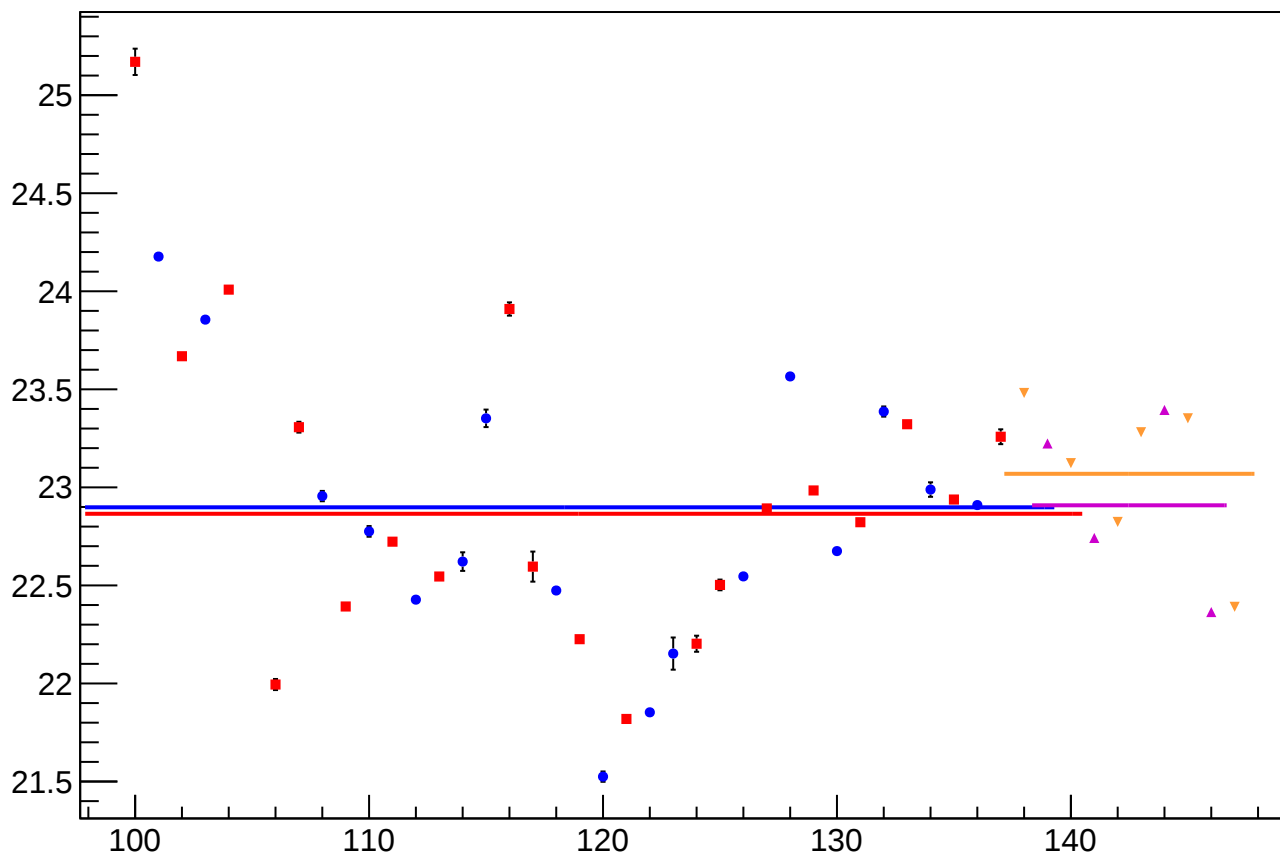
Left In: 12.394 ± 12.811 $\chi^2/\text{NDF}: 2.3/3$

9.914 ± 6.975 $\chi^2/\text{NDF}: 24.5/22$

13.416 ± 4.975 $\chi^2/\text{NDF}: 42.4/46$

17.044 ± 7.098 $\chi^2/\text{NDF}: 17.4/23$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.898+/-0.006 χ^2/NDF : 12143.3/16

Left Out: 23.069+/-0.008 χ^2/NDF : 2323.5/5

Right Out: 22.865+/-0.006 χ^2/NDF : 11060.8/19

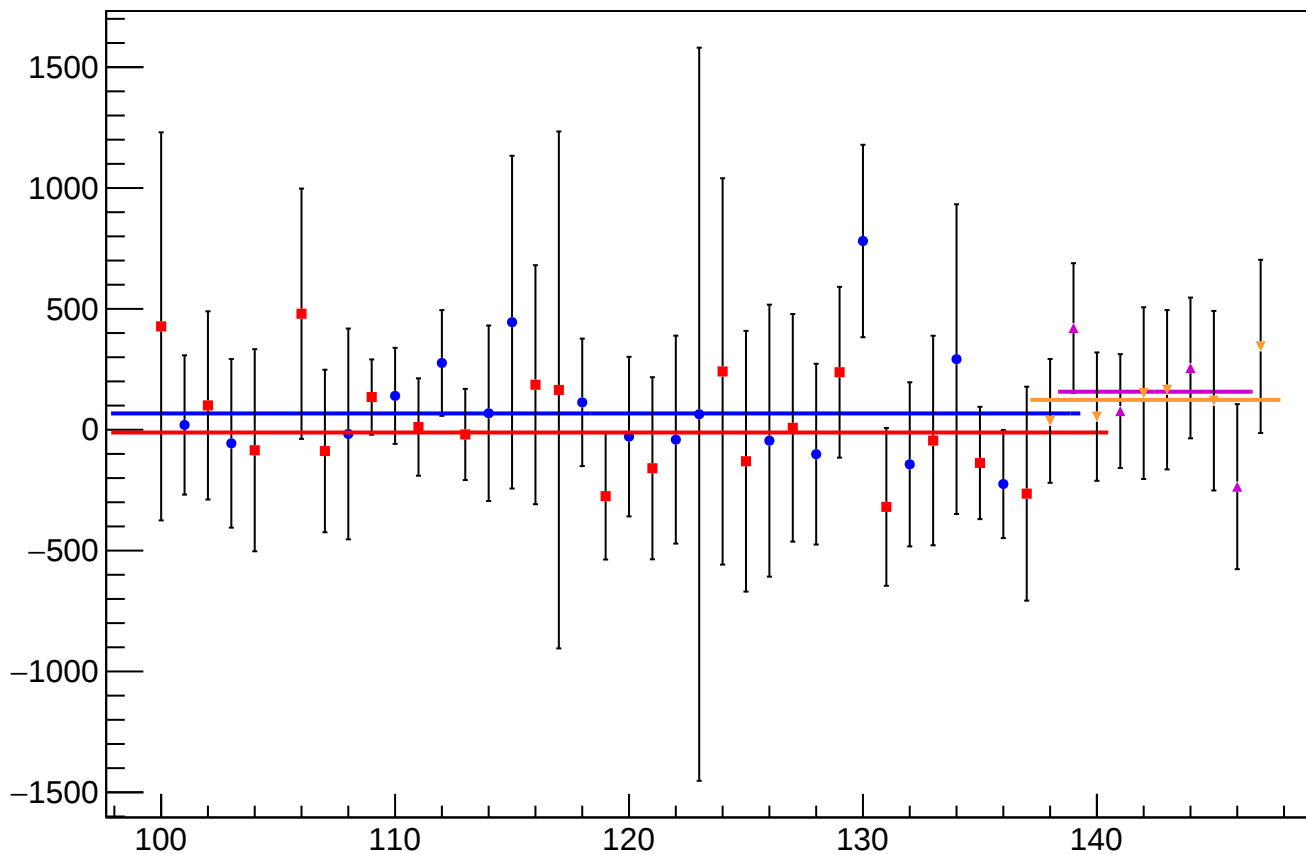
Left In: 22.909+/-0.009 χ^2/NDF : 2049.6/3

22.962+/-0.005 χ^2/NDF : 14748.0/22

22.921+/-0.004 χ^2/NDF : 28016.4/46

22.879+/-0.005 χ^2/NDF : 13126.2/23

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: 123.550 $\pm$ 127.432 χ^2 /NDF: 0.6/5

Right Out: -11.355 $\pm$ 70.203 χ^2 /NDF: 5.8/19

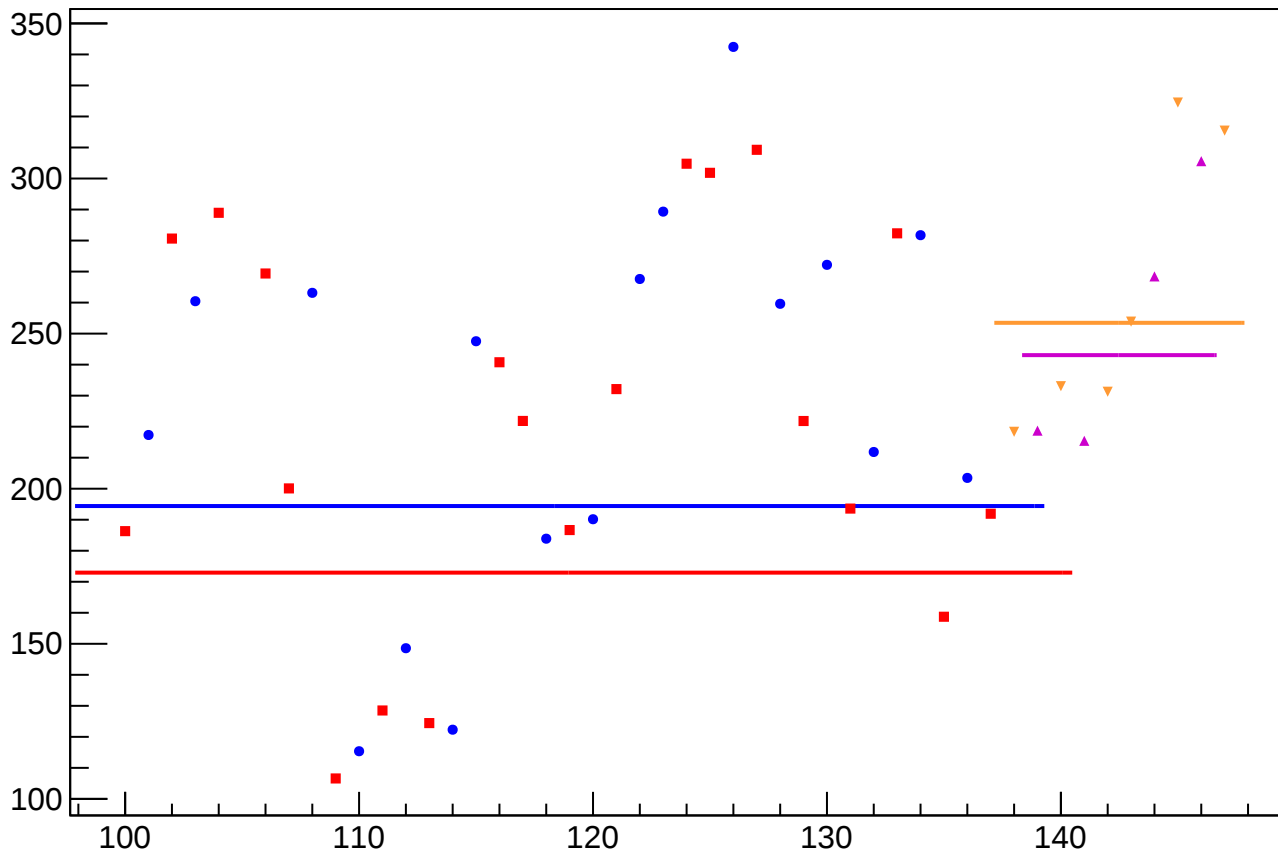
Left In: 157.386 $\pm$ 138.288 χ^2 /NDF: 2.5/3

83.139 $\pm$ 67.392 χ^2 /NDF: 8.1/22

50.974 $\pm$ 45.865 χ^2 /NDF: 18.0/46

23.221 $\pm$ 62.599 χ^2 /NDF: 9.5/23

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.411 $\pm$ 0.056 χ^2 /NDF: 1019913.2/16

Left Out: 253.482 $\pm$ 0.090 χ^2 /NDF:190209.7/5

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

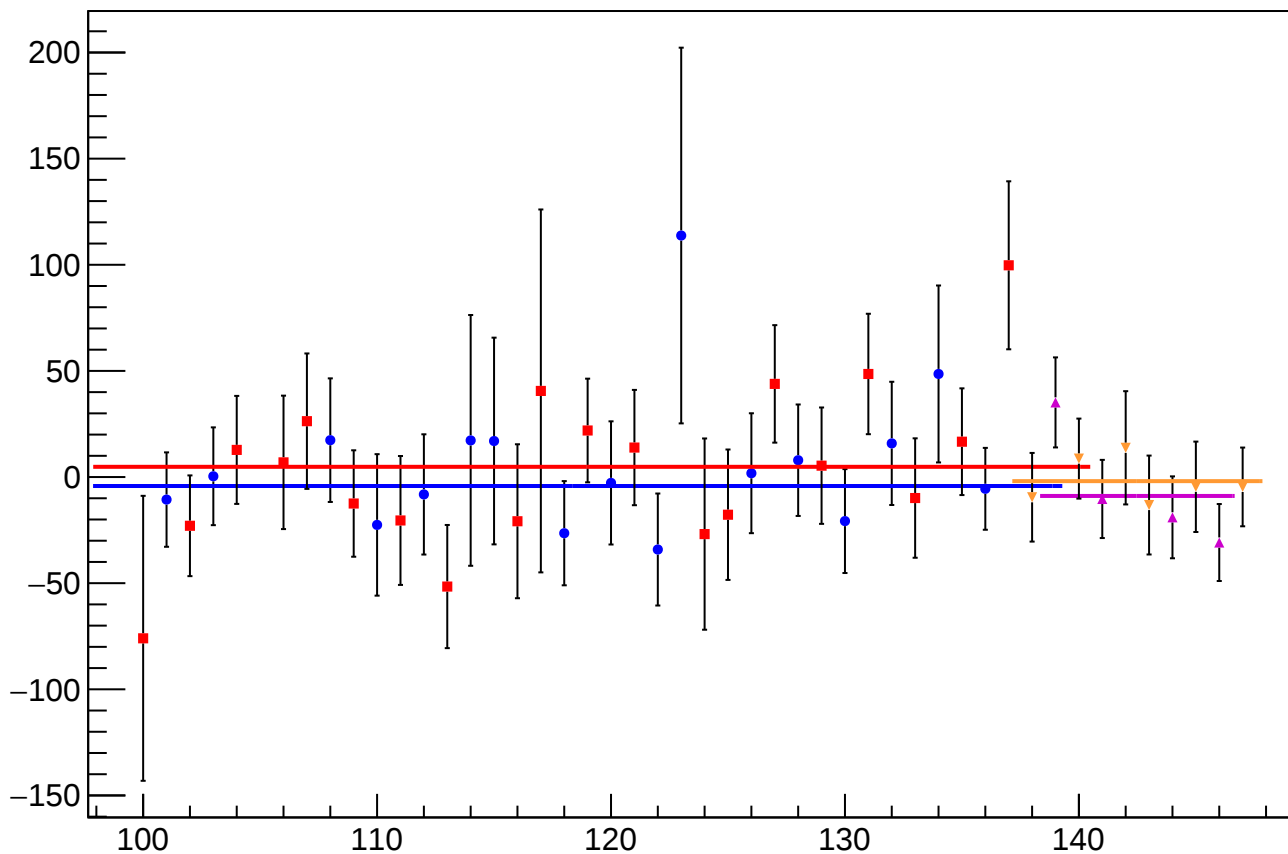
Left In: 243.061 $\pm$ 0.098 χ^2 /NDF:126268.3/3

210.932 $\pm$ 0.048 χ^2 /NDF: 1519692.3/22

198.251 $\pm$ 0.032 χ^2 /NDF: 3787658.4/46

187.310 $\pm$ 0.044 χ^2 /NDF: 2136058.8/23

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: -1.931+/-8.617 χ^2/NDF : 1.1/5

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

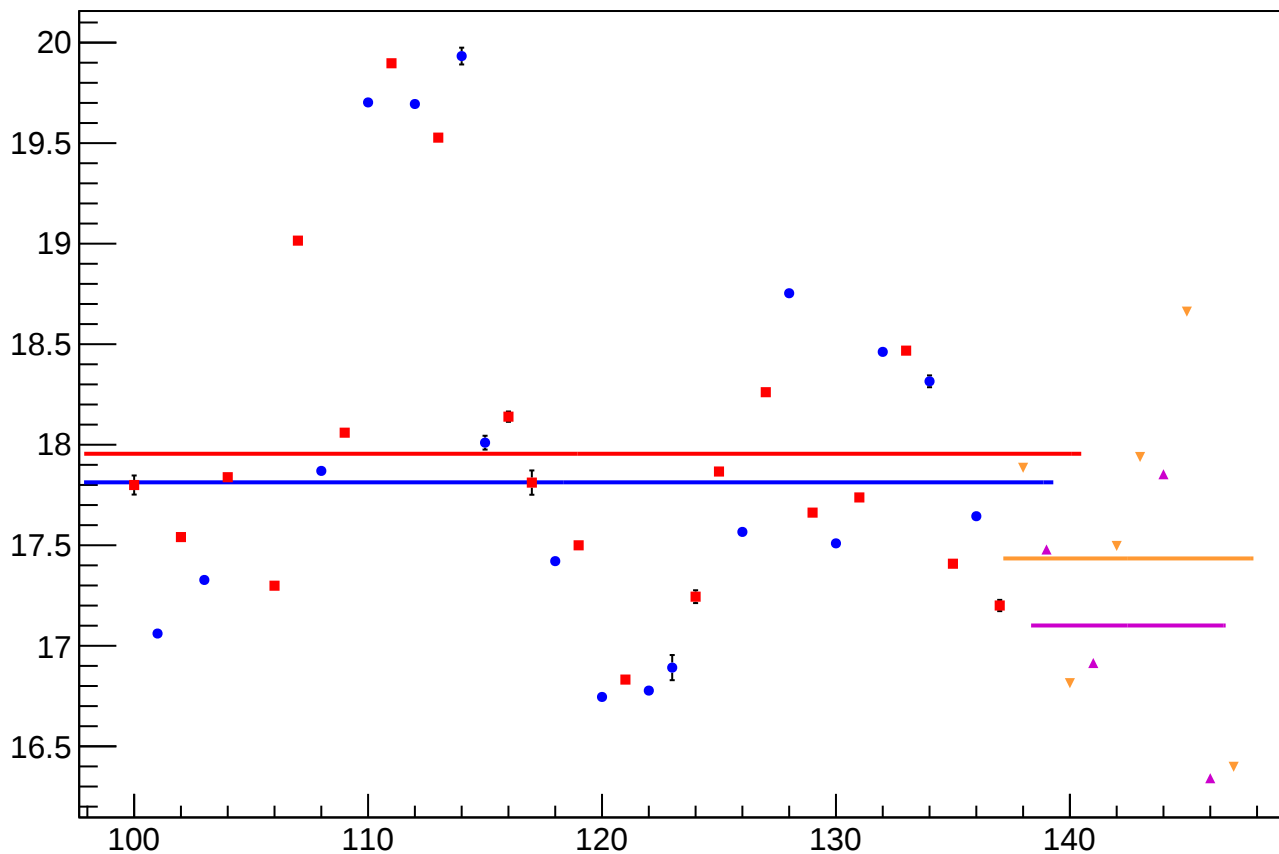
Left In: -8.908+/-9.578 χ^2/NDF : 6.1/3

-3.332+/-5.372 χ^2/NDF : 9.1/22

-1.553+/-3.841 χ^2/NDF : 38.0/46

0.306+/-5.492 χ^2/NDF : 28.7/23

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: 17.434 $\pm$ 0.006 χ^2/NDF : 16938.6/5

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

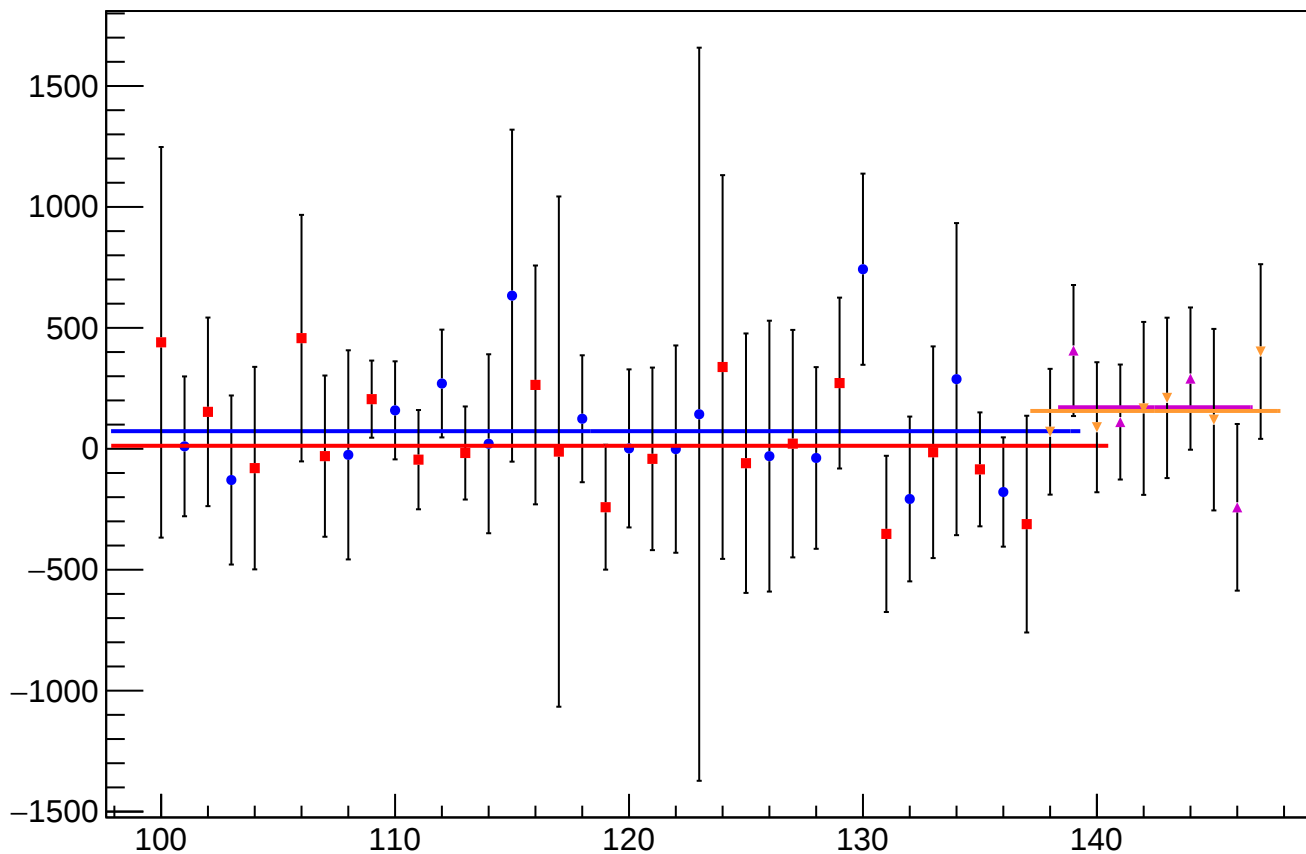
Left In: 17.101 $\pm$ 0.007 χ^2/NDF : 7391.4/3

17.666 $\pm$ 0.004 χ^2/NDF : 51333.6/22

17.670 $\pm$ 0.003 χ^2/NDF : 94852.2/46

17.674 $\pm$ 0.004 χ^2/NDF : 43516.3/23

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 72.888+/-79.948 χ^2/NDF : 7.2/16

Left Out: 156.468+/-128.762 χ^2/NDF : 0.7/5

Right Out: 12.456+/-70.853 χ^2/NDF : 6.7/19

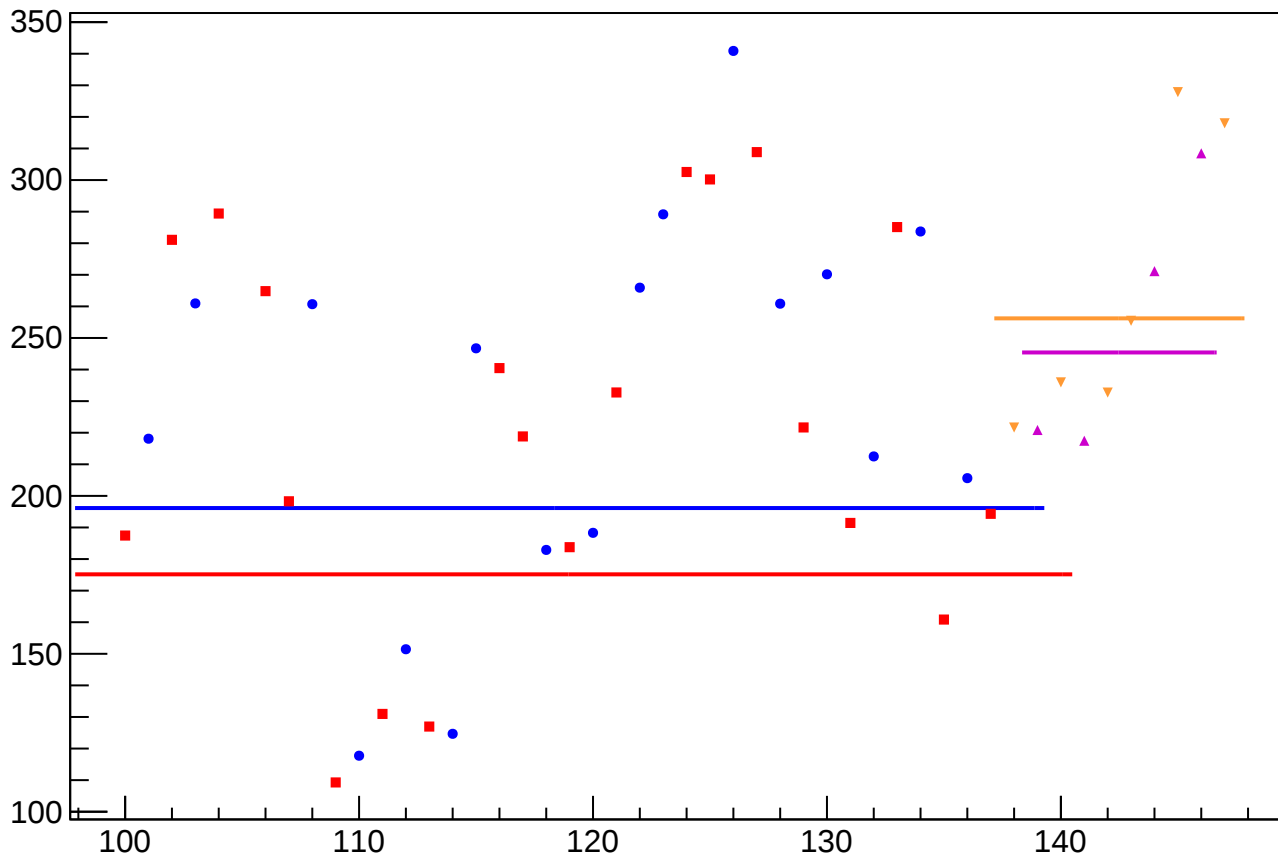
Left In: 171.752+/-139.613 χ^2/NDF : 2.4/3

96.144+/-67.921 χ^2/NDF : 8.2/22

68.769+/-46.261 χ^2/NDF : 18.7/46

45.080+/-63.182 χ^2/NDF : 10.2/23

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 256.208+/-0.091 χ^2/NDF :186724.7/5

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

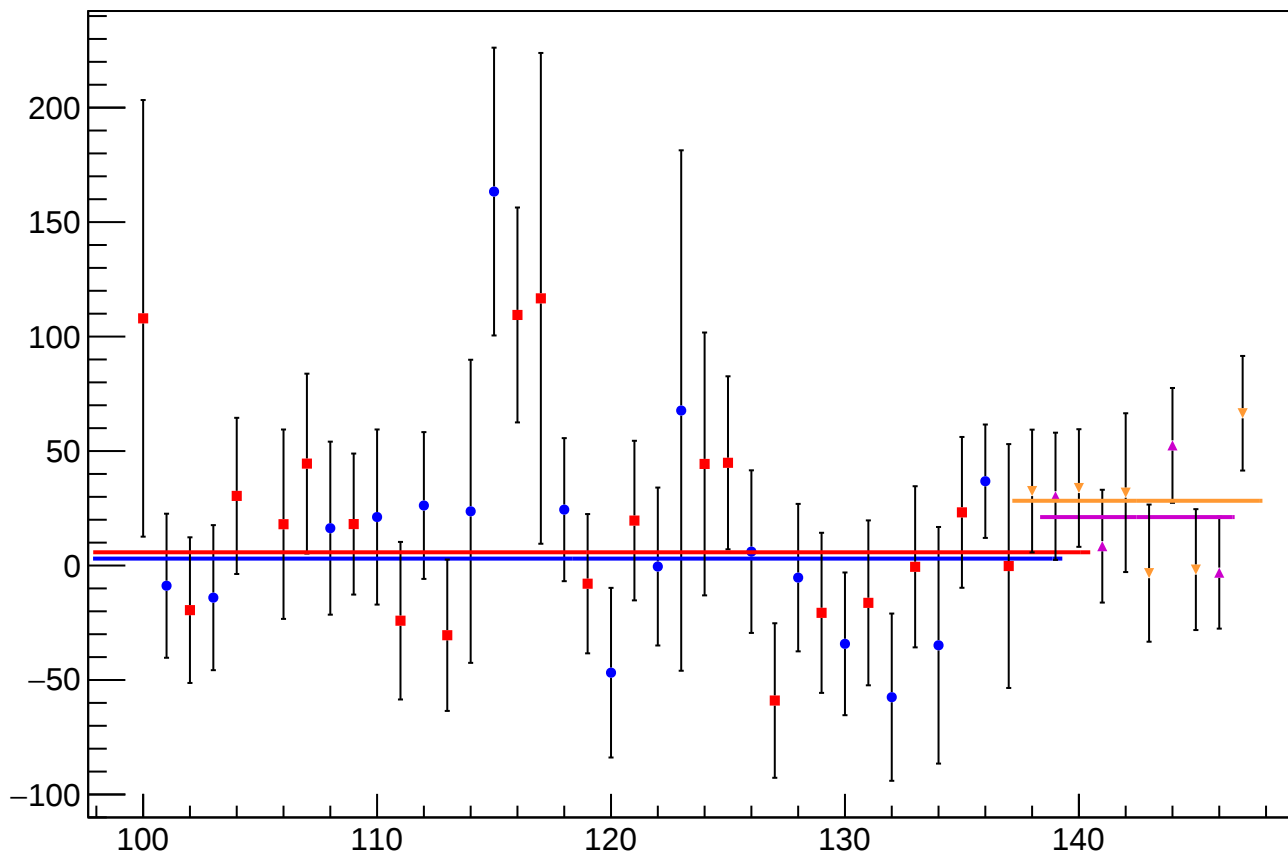
Left In: 245.411+/-0.099 χ^2/NDF :126375.4/3

212.862+/-0.048 χ^2/NDF : 1465757.4/22

200.364+/-0.033 χ^2/NDF : 3635488.2/46

189.550+/-0.045 χ^2/NDF : 2043422.9/23

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.022 ± 8.751 χ^2/NDF : 17.2/16

Left Out: 28.280 ± 11.263 χ^2/NDF : 4.8/5

Right Out: 5.786 ± 8.451 χ^2/NDF : 18.3/19

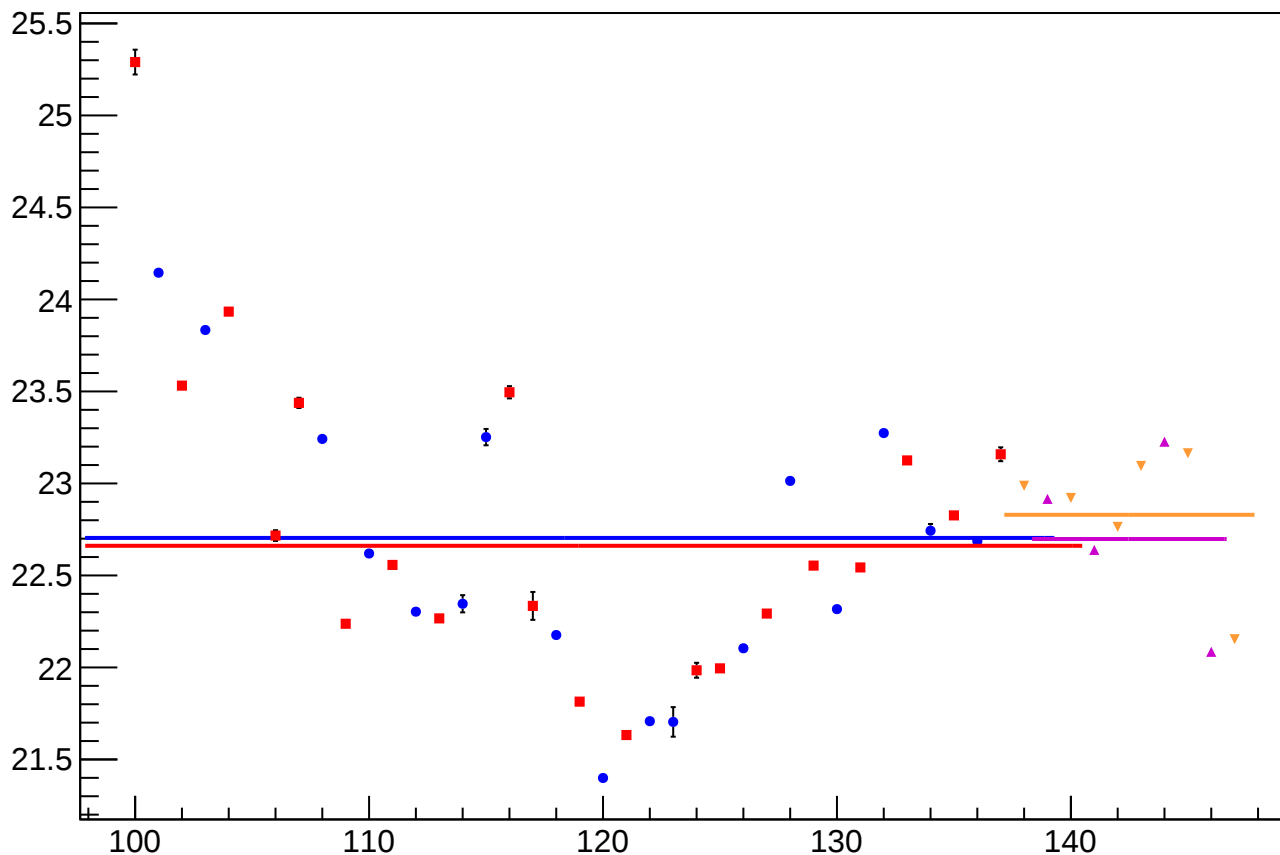
Left In: 21.160 ± 12.693 χ^2/NDF : 2.9/3

12.530 ± 6.911 χ^2/NDF : 25.1/22

11.537 ± 4.930 χ^2/NDF : 47.4/46

10.508 ± 7.034 χ^2/NDF : 22.2/23

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.704 ± 0.006 $\chi^2/\text{NDF}: 14105.8/16$

Left Out: 22.830 ± 0.008 $\chi^2/\text{NDF}: 2039.2/5$

Right Out: 22.661 ± 0.006 $\chi^2/\text{NDF}: 12962.1/19$

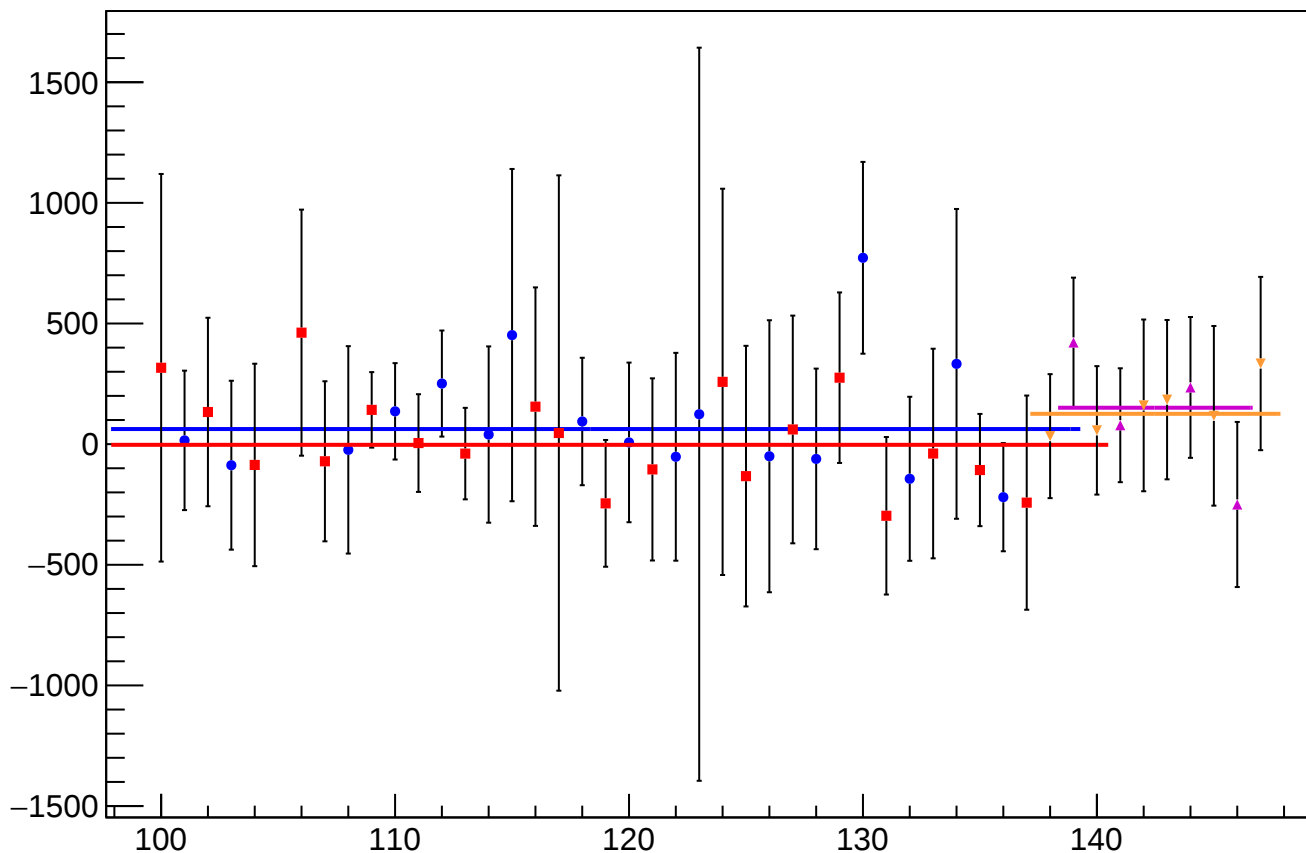
Left In: 22.698 ± 0.009 $\chi^2/\text{NDF}: 2282.0/3$

22.751 ± 0.005 $\chi^2/\text{NDF}: 16300.0/22$

22.713 ± 0.003 $\chi^2/\text{NDF}: 31683.3/46$

22.672 ± 0.005 $\chi^2/\text{NDF}: 15255.8/23$

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: 125.686+/-127.725 χ^2/NDF : 0.6/5

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

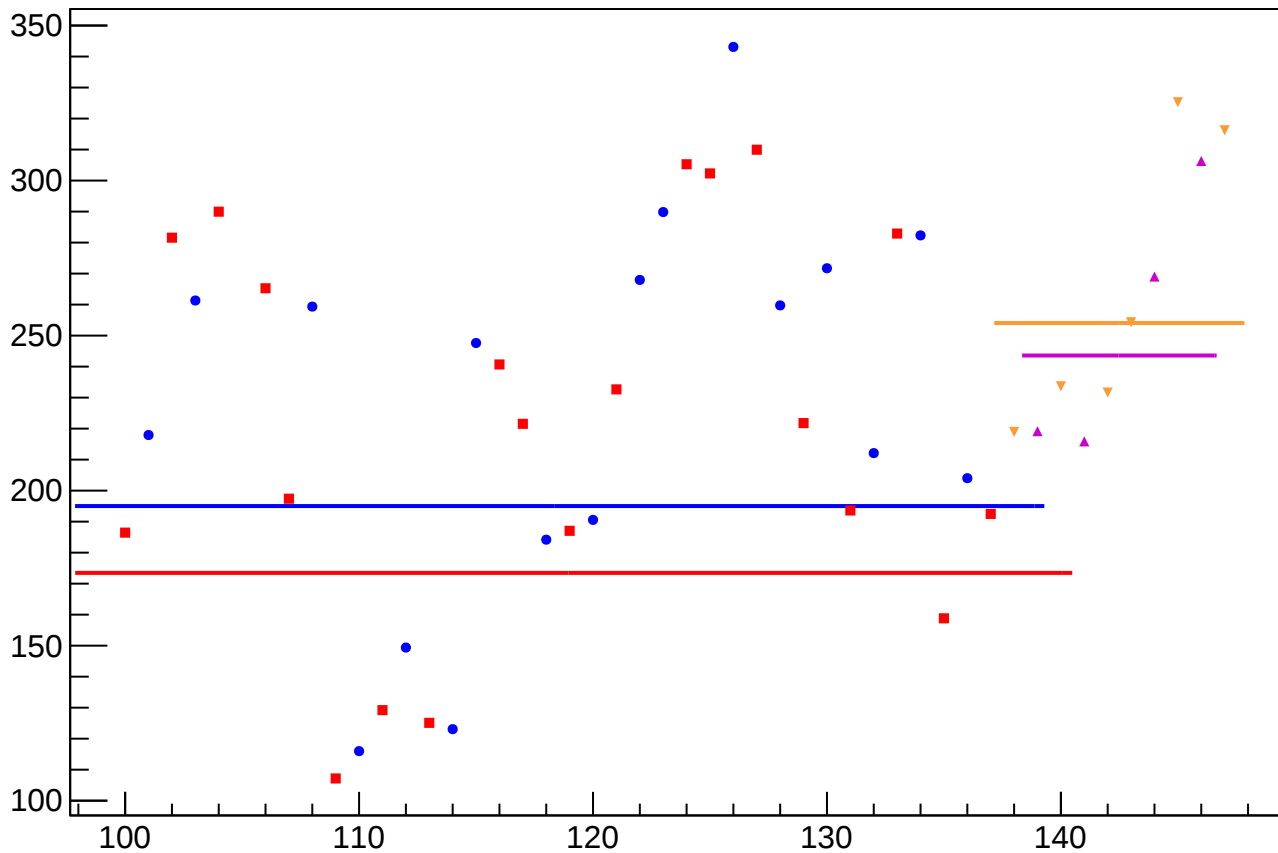
Left In: 150.899+/-138.586 χ^2/NDF : 2.6/3

80.230+/-67.558 χ^2/NDF : 7.8/22

52.553+/-45.973 χ^2/NDF : 16.9/46

28.682+/-62.741 χ^2/NDF : 8.8/23

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: 254.068 $\pm$ 0.090 χ^2 /NDF:190135.0/5

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

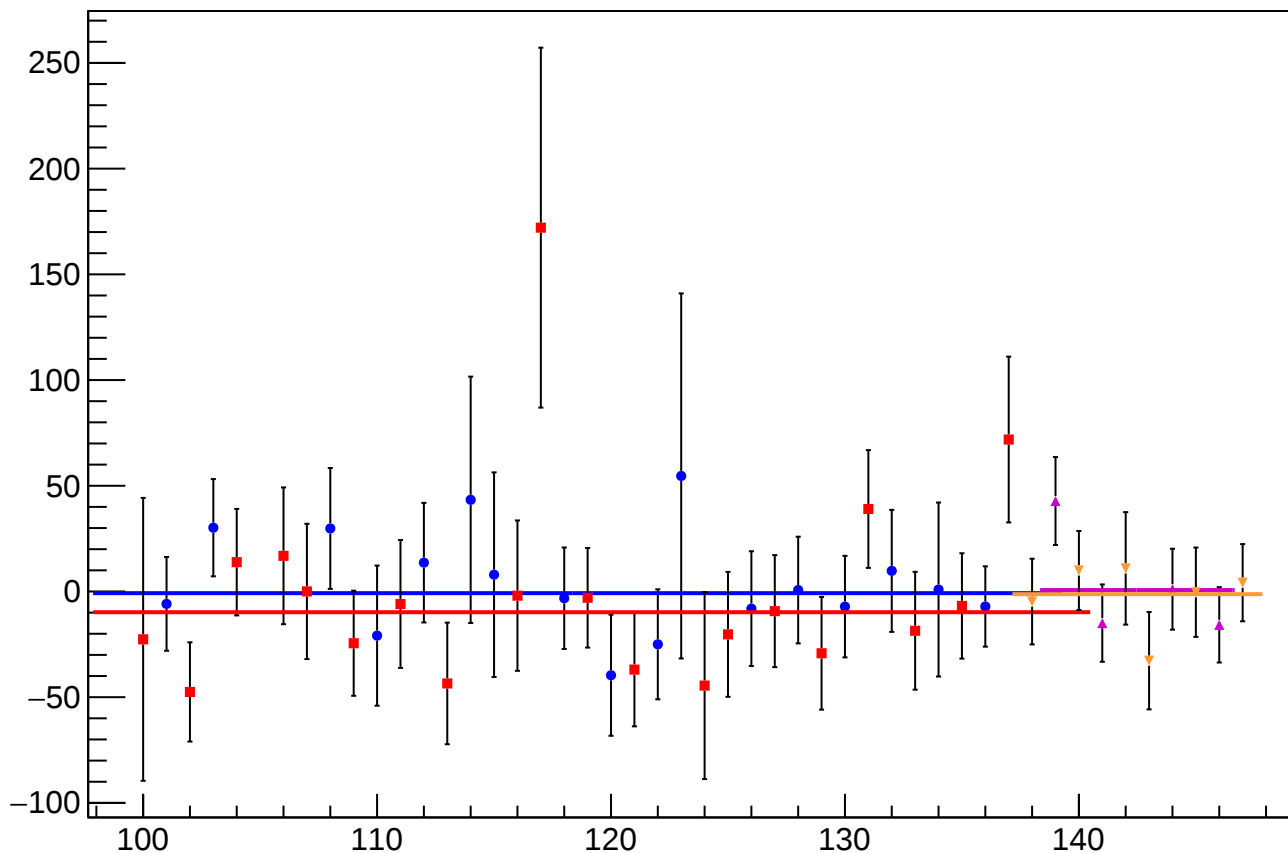
Left In: 243.582 $\pm$ 0.098 χ^2 /NDF:126469.6/3

211.541 $\pm$ 0.048 χ^2 /NDF: 1502263.5/22

198.816 $\pm$ 0.033 χ^2 /NDF: 3750122.5/46

187.841 $\pm$ 0.044 χ^2 /NDF: 2115700.0/23

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.801 ± 6.770 χ^2/NDF : 7.8/16

Left Out: -1.282 ± 8.501 χ^2/NDF : 2.6/5

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

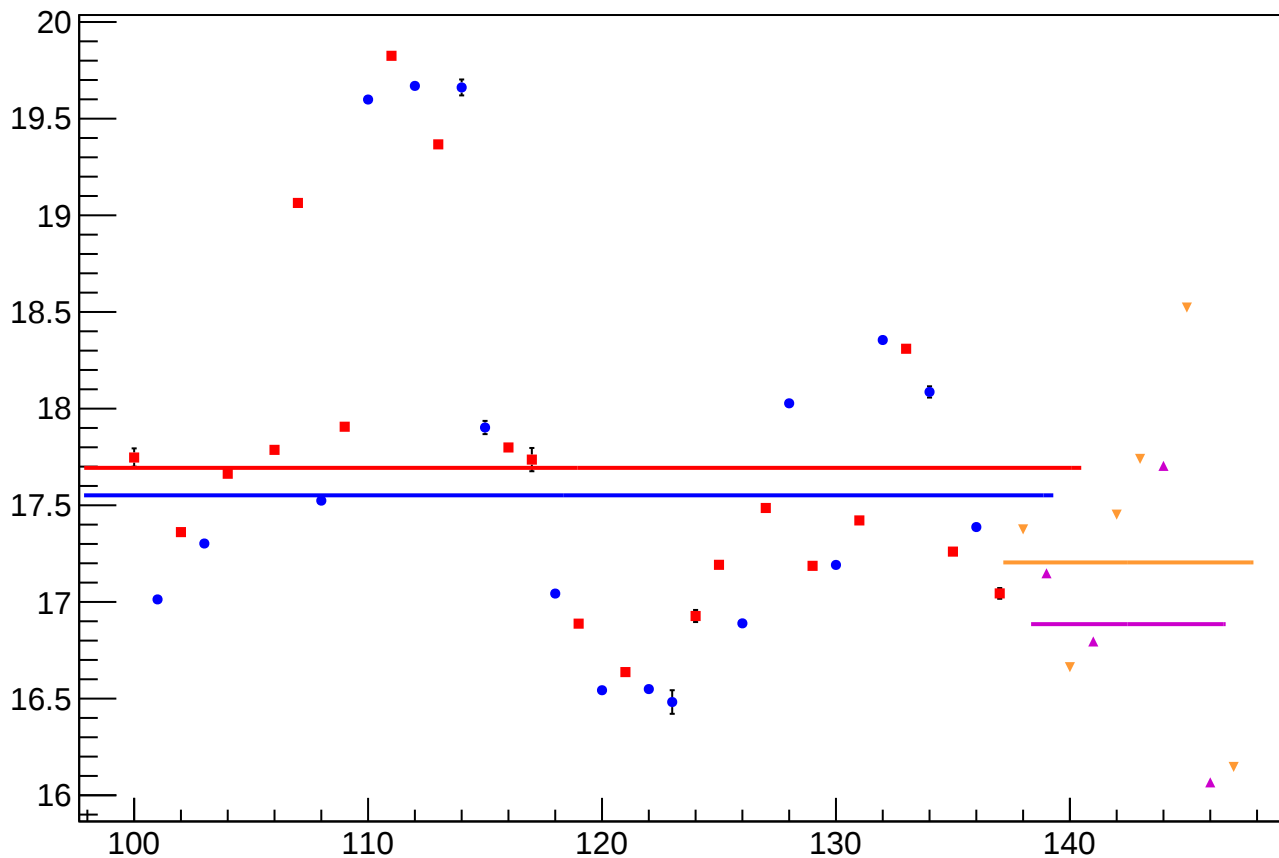
Left In: 0.661 ± 9.455 χ^2/NDF : 5.7/3

-0.988 ± 5.296 χ^2/NDF : 10.3/22

-3.621 ± 3.786 χ^2/NDF : 37.9/46

-6.375 ± 5.415 χ^2/NDF : 27.0/23

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 17.204 $\pm$ 0.006 χ^2/NDF : 17579.4/5

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

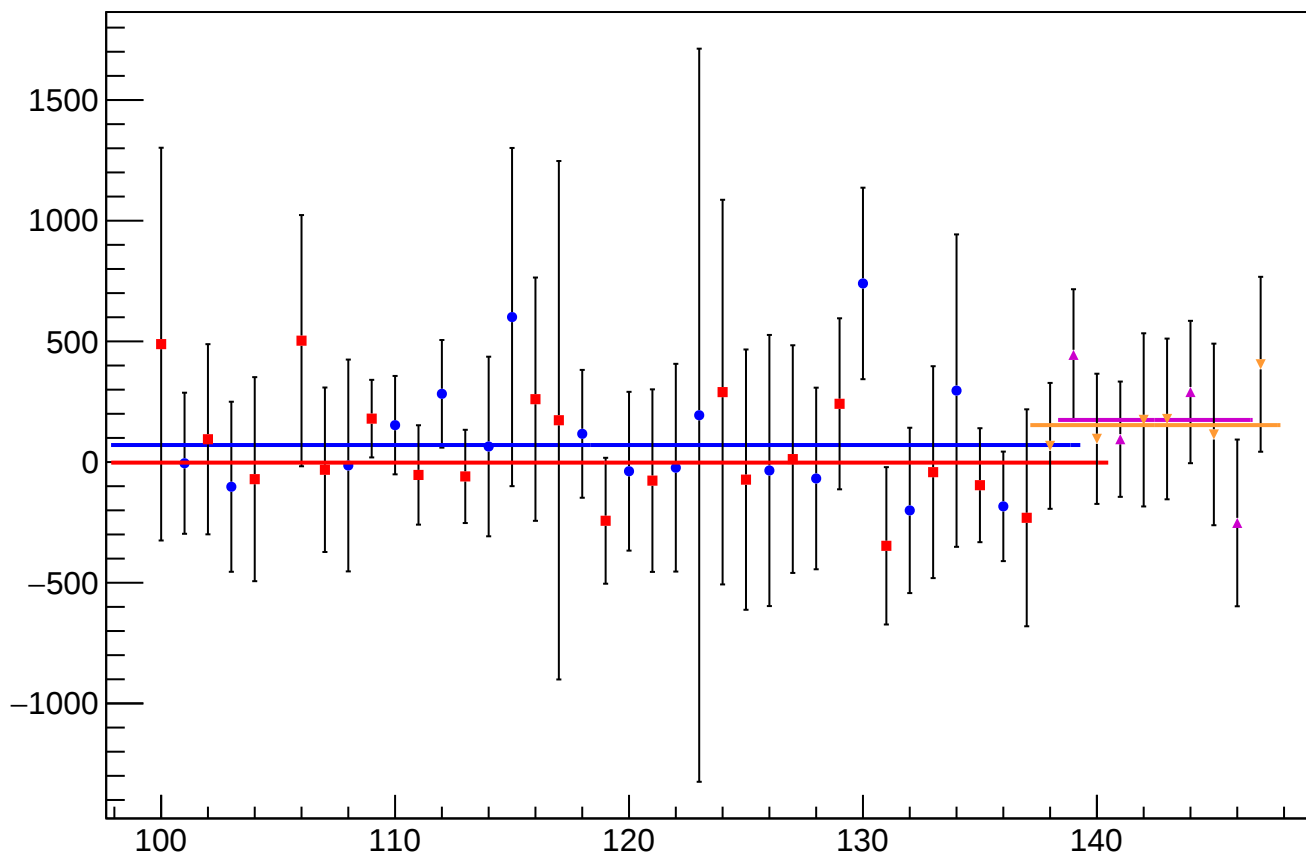
Left In: 16.885 $\pm$ 0.007 χ^2/NDF : 8250.5/3

17.417 $\pm$ 0.004 χ^2/NDF : 53646.9/22

17.422 $\pm$ 0.003 χ^2/NDF : 102470.4/46

17.428 $\pm$ 0.004 χ^2/NDF : 48818.9/23

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: 153.126+/-129.181 χ^2/NDF : 0.7/5

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

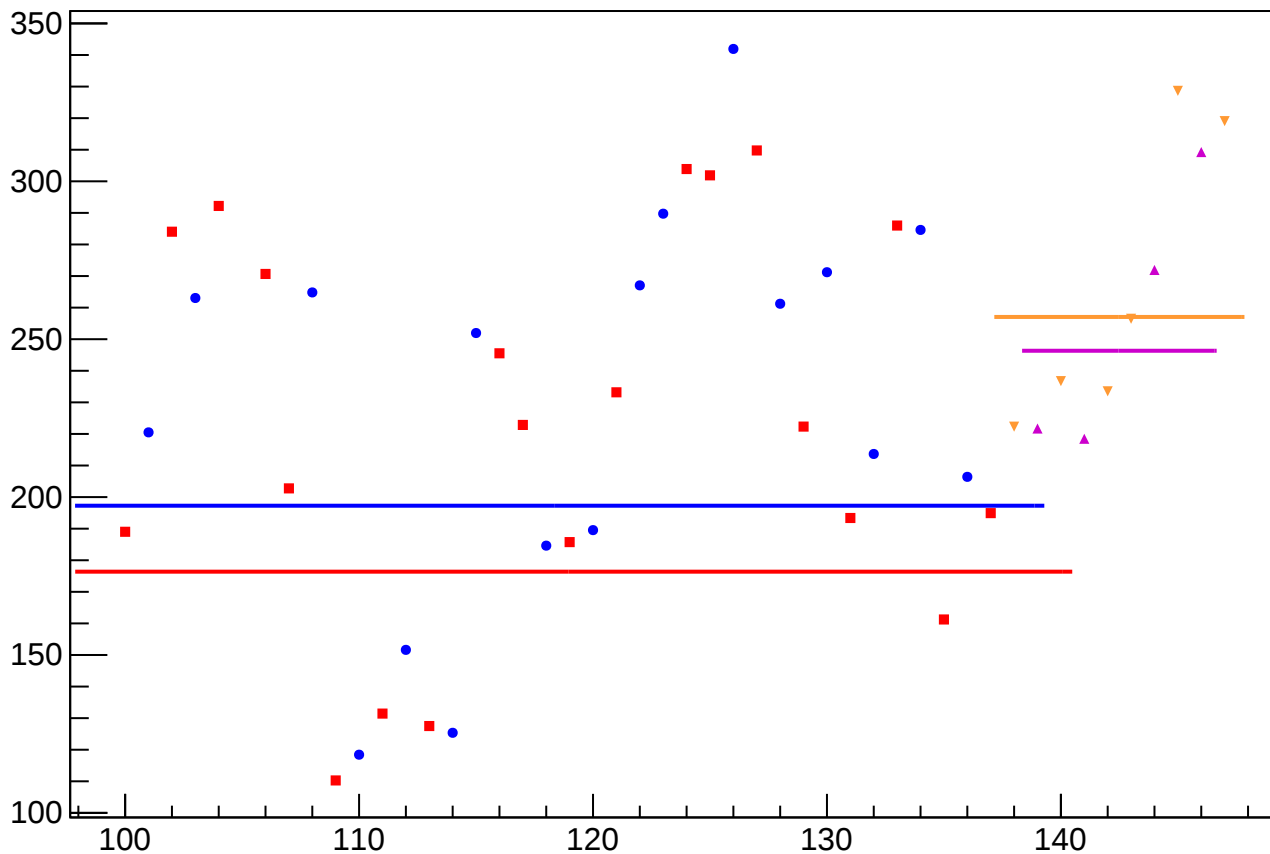
Left In: 174.538+/-140.123 χ^2/NDF : 2.8/3

93.670+/-68.265 χ^2/NDF : 8.2/22

61.783+/-46.527 χ^2/NDF : 18.8/46

34.122+/-63.581 χ^2/NDF : 10.2/23

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: 257.047 $\pm$ 0.091 χ^2 /NDF:186516.8/5

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

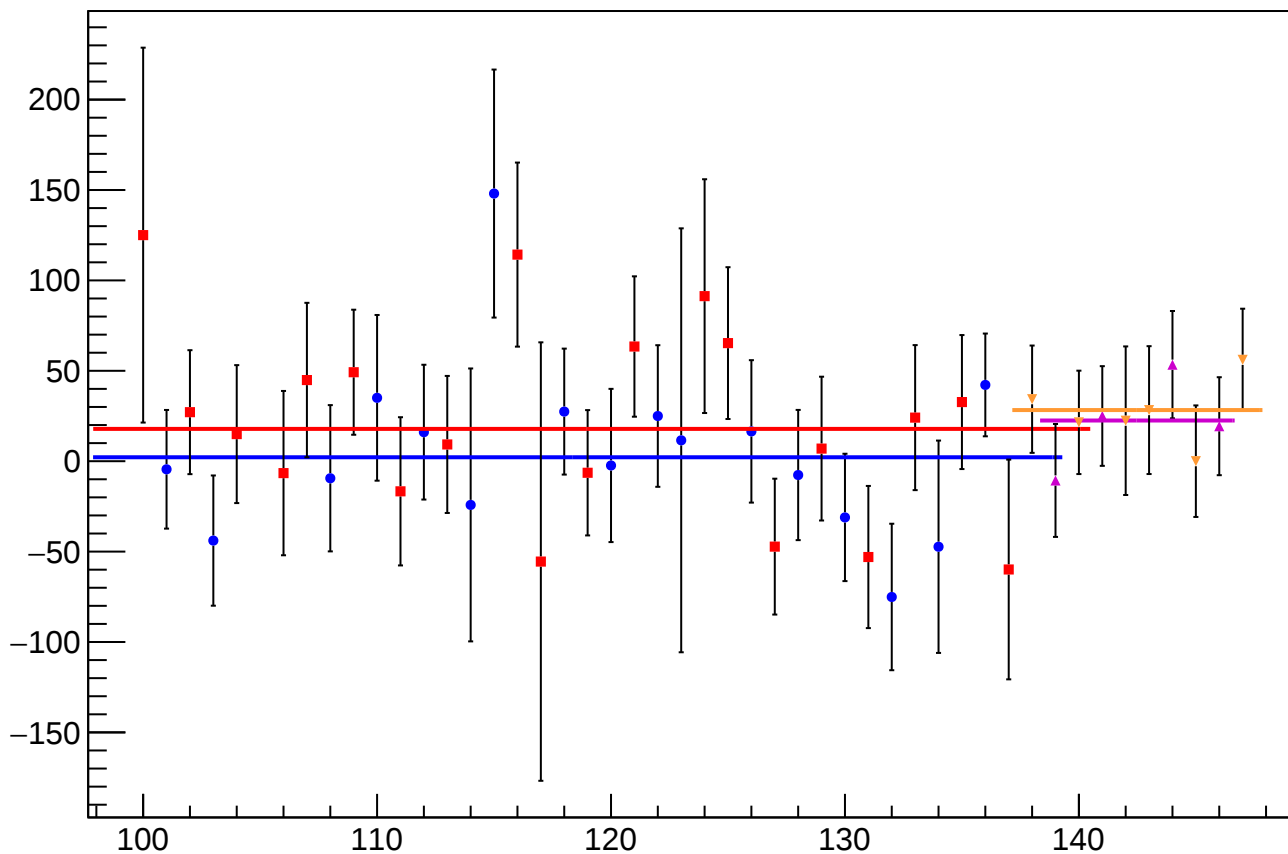
Left In: 246.342 $\pm$ 0.099 χ^2 /NDF:125054.7/3

213.964 $\pm$ 0.048 χ^2 /NDF: 1464717.5/22

201.555 $\pm$ 0.033 χ^2 /NDF: 3632510.5/46

190.790 $\pm$ 0.045 χ^2 /NDF: 2044378.7/23

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.178 $\pm$ 9.825 χ^2/NDF : 15.4/16

Left Out: 28.284 $\pm$ 12.855 χ^2/NDF : 1.9/5

Right Out: 17.869 $\pm$ 9.468 χ^2/NDF : 20.0/19

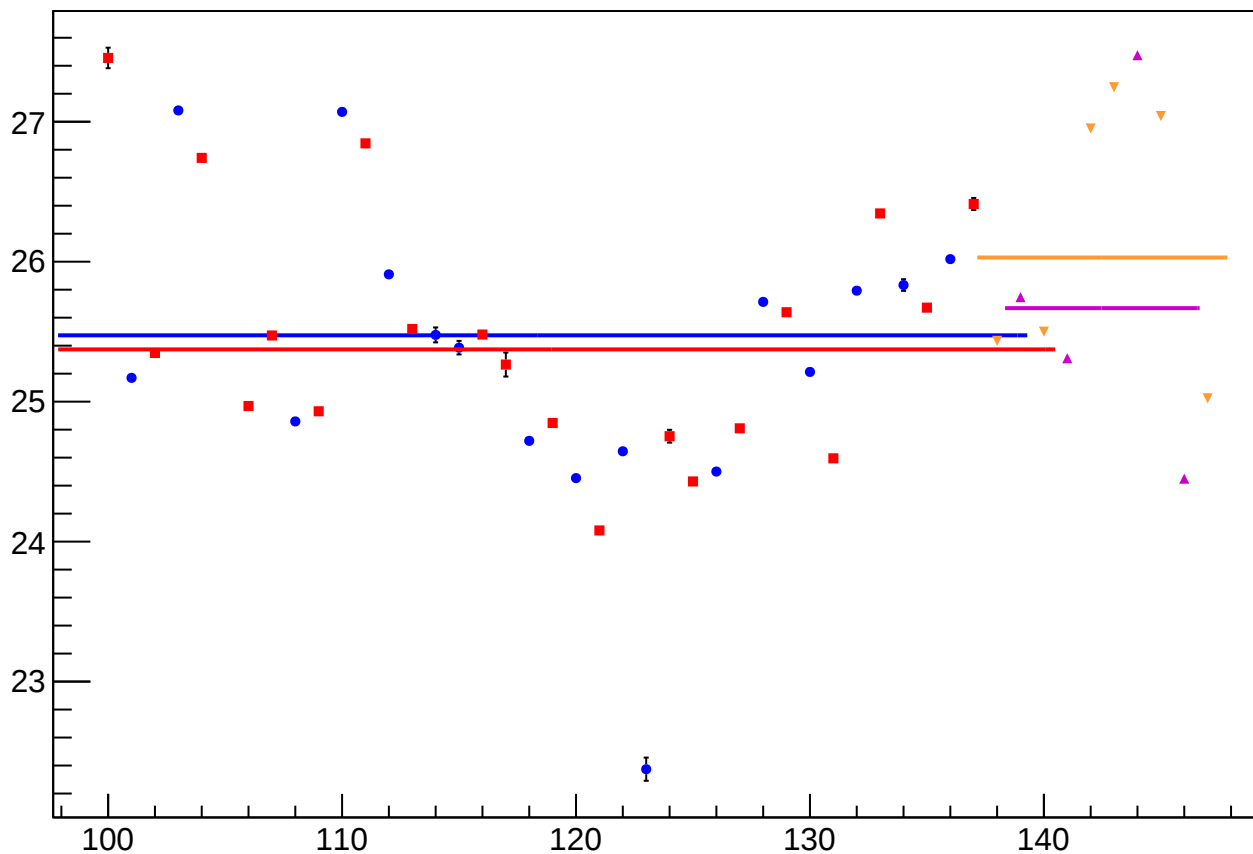
Left In: 22.507 $\pm$ 14.378 χ^2/NDF : 2.2/3

11.804 $\pm$ 7.806 χ^2/NDF : 19.9/22

15.490 $\pm$ 5.555 χ^2/NDF : 42.6/46

19.272 $\pm$ 7.907 χ^2/NDF : 22.3/23

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 26.030 $\pm$ 0.009 χ^2/NDF : 9545.6/5

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

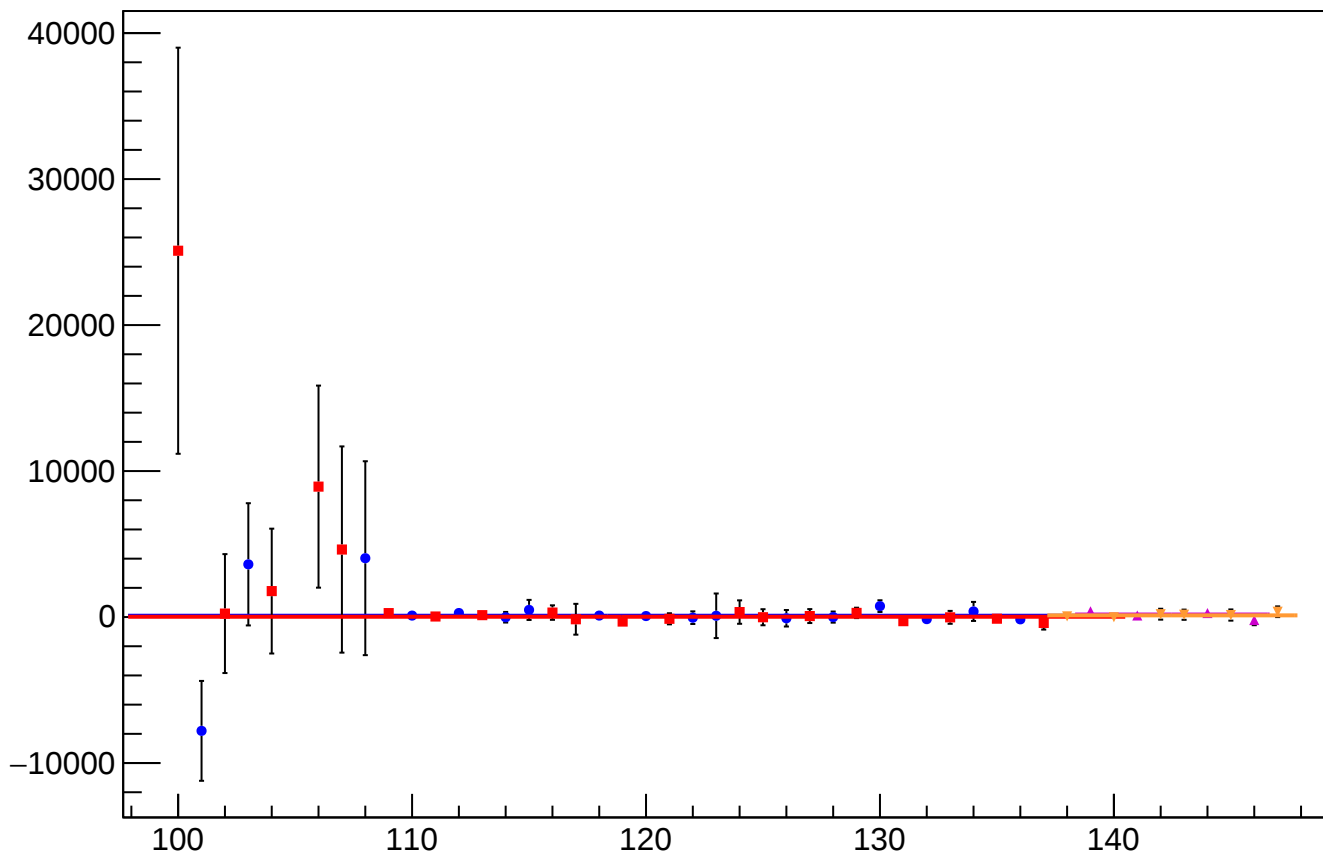
Left In: 25.668 $\pm$ 0.010 χ^2/NDF : 11802.4/3

25.679 $\pm$ 0.006 χ^2/NDF : 25967.9/22

25.572 $\pm$ 0.004 χ^2/NDF : 52698.4/46

25.462 $\pm$ 0.006 χ^2/NDF : 25971.7/23

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: 116.077+/-129.854 χ^2/NDF : 0.8/5

Right Out: 21.600+/-80.665 χ^2/NDF : 11.9/19

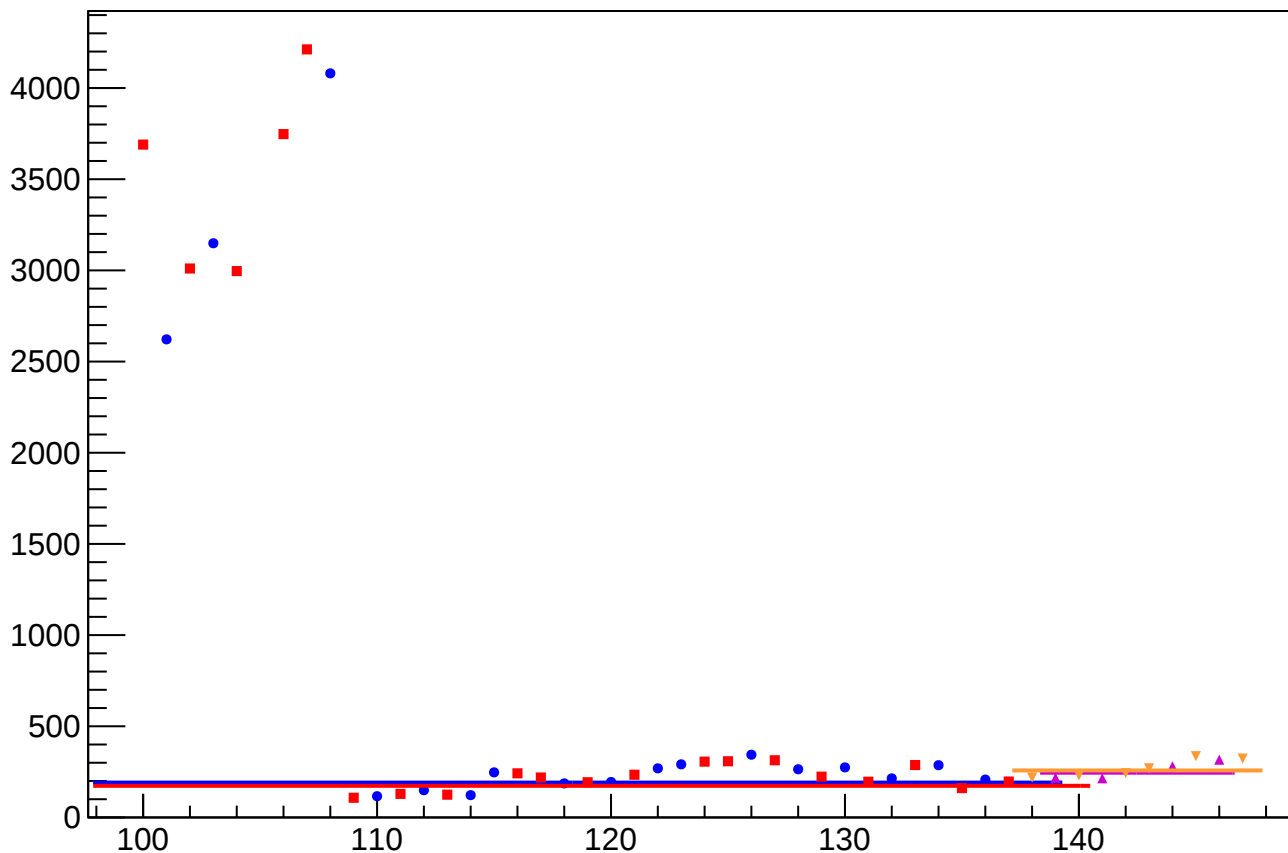
Left In: 172.837+/-140.140 χ^2/NDF : 2.0/3

97.897+/-72.638 χ^2/NDF : 13.2/22

77.828+/-50.371 χ^2/NDF : 28.1/46

59.238+/-69.911 χ^2/NDF : 14.8/23

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.190+/-0.062 χ^2/NDF : 3571747.5/16

Left Out: 257.785+/-0.092 χ^2/NDF : 220719.5/5

Right Out: 173.536+/-0.057 χ^2/NDF : 4210933.2/19

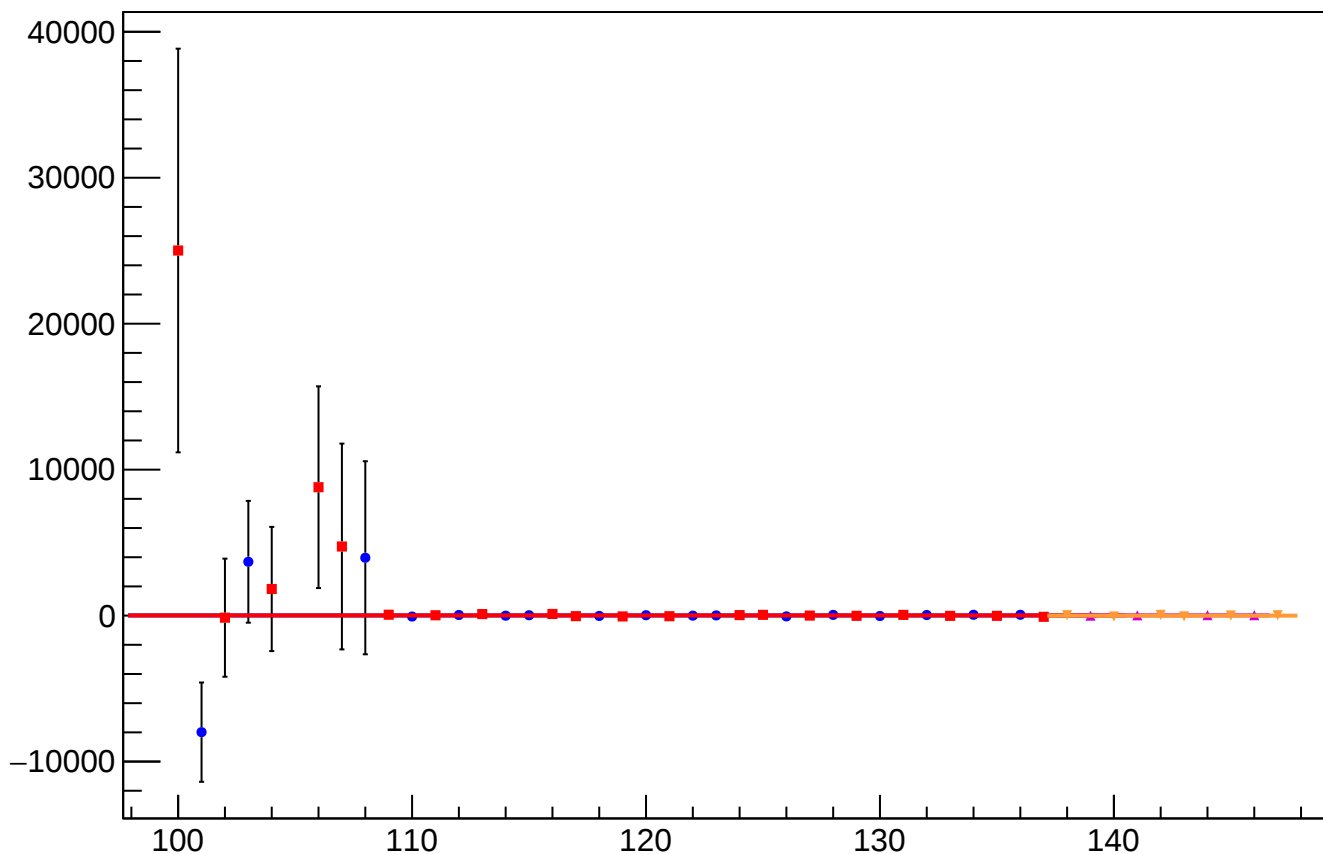
Left In: 245.537+/-0.099 χ^2/NDF : 164636.9/3

212.028+/-0.051 χ^2/NDF : 4153895.8/22

201.348+/-0.036 χ^2/NDF : 9009298.3/46

191.455+/-0.049 χ^2/NDF : 4772115.4/23

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: -2.309+/-14.903 χ^2/NDF : 7.4/5

Right Out: 12.573+/-12.182 χ^2/NDF : 24.5/19

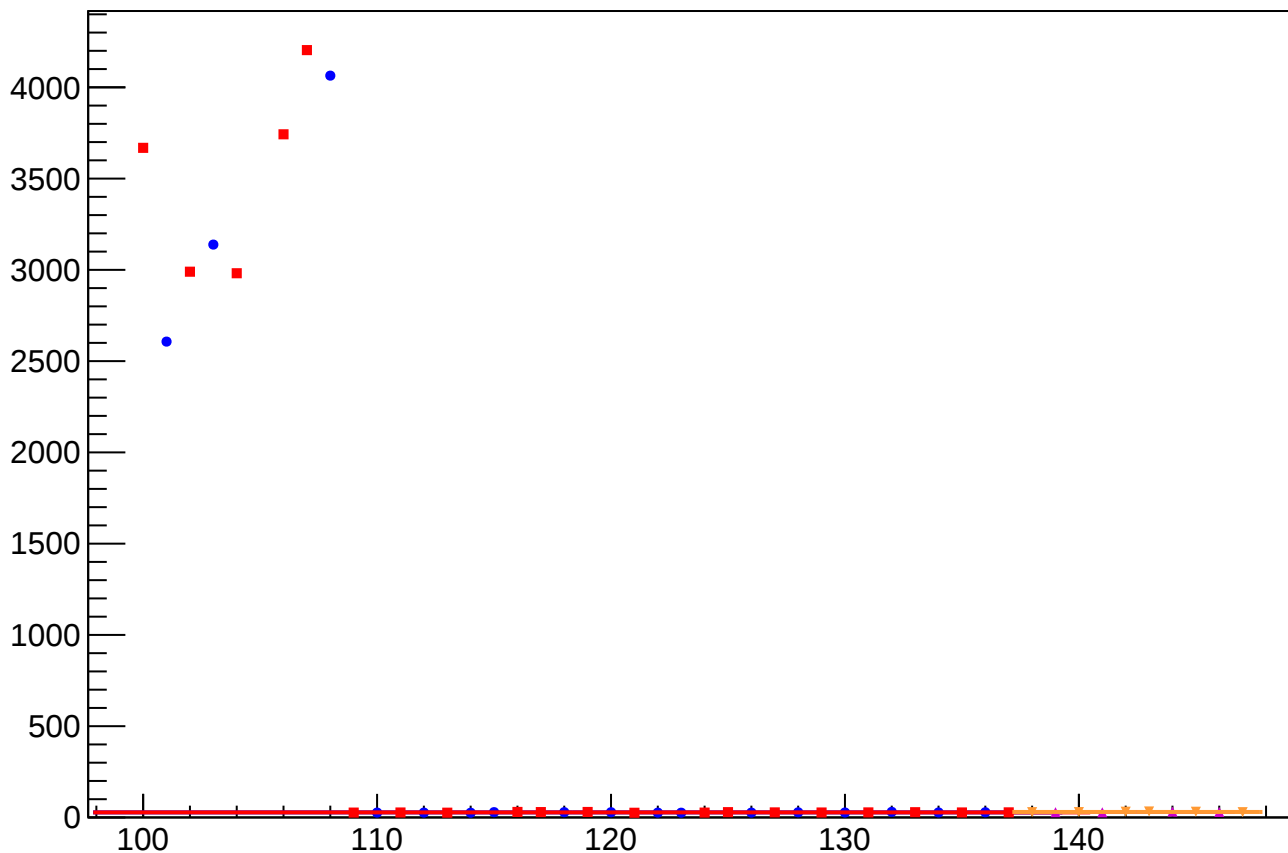
Left In: 18.685+/-16.742 χ^2/NDF : 0.6/3

5.305+/-9.435 χ^2/NDF : 26.1/22

9.795+/-6.814 χ^2/NDF : 51.8/46

14.689+/-9.850 χ^2/NDF : 25.2/23

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: 30.094+/-0.011 χ^2/NDF :17767.7/5

Right Out: 27.706+/-0.009 χ^2/NDF : 3477080.4/19

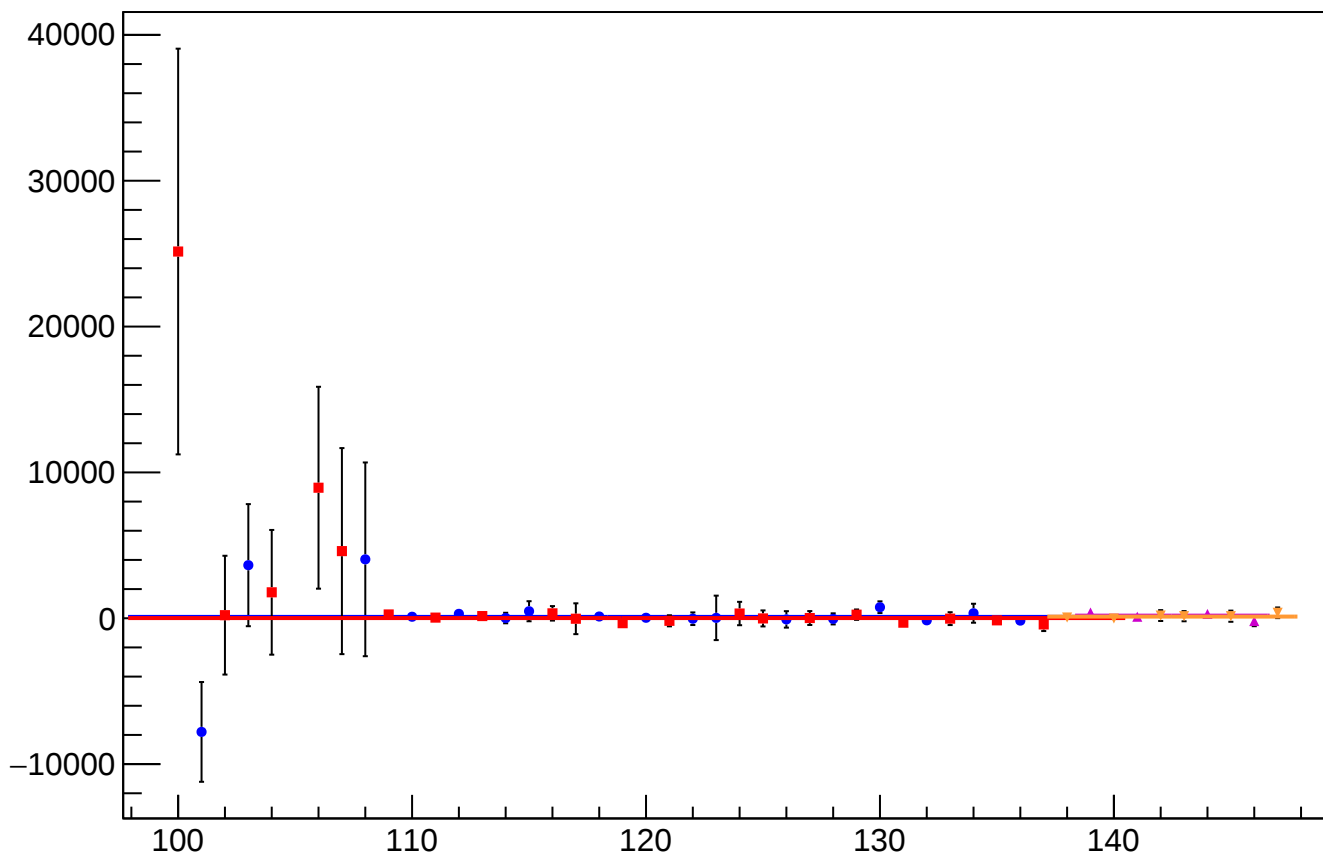
Left In: 29.854+/-0.012 χ^2/NDF :17741.6/3

28.741+/-0.007 χ^2/NDF : 3072153.8/22

28.602+/-0.005 χ^2/NDF : 6589407.0/46

28.450+/-0.007 χ^2/NDF : 3516339.0/23

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: 114.500+/-129.558 χ^2/NDF : 0.9/5

Right Out: 12.509+/-80.407 χ^2/NDF : 12.7/19

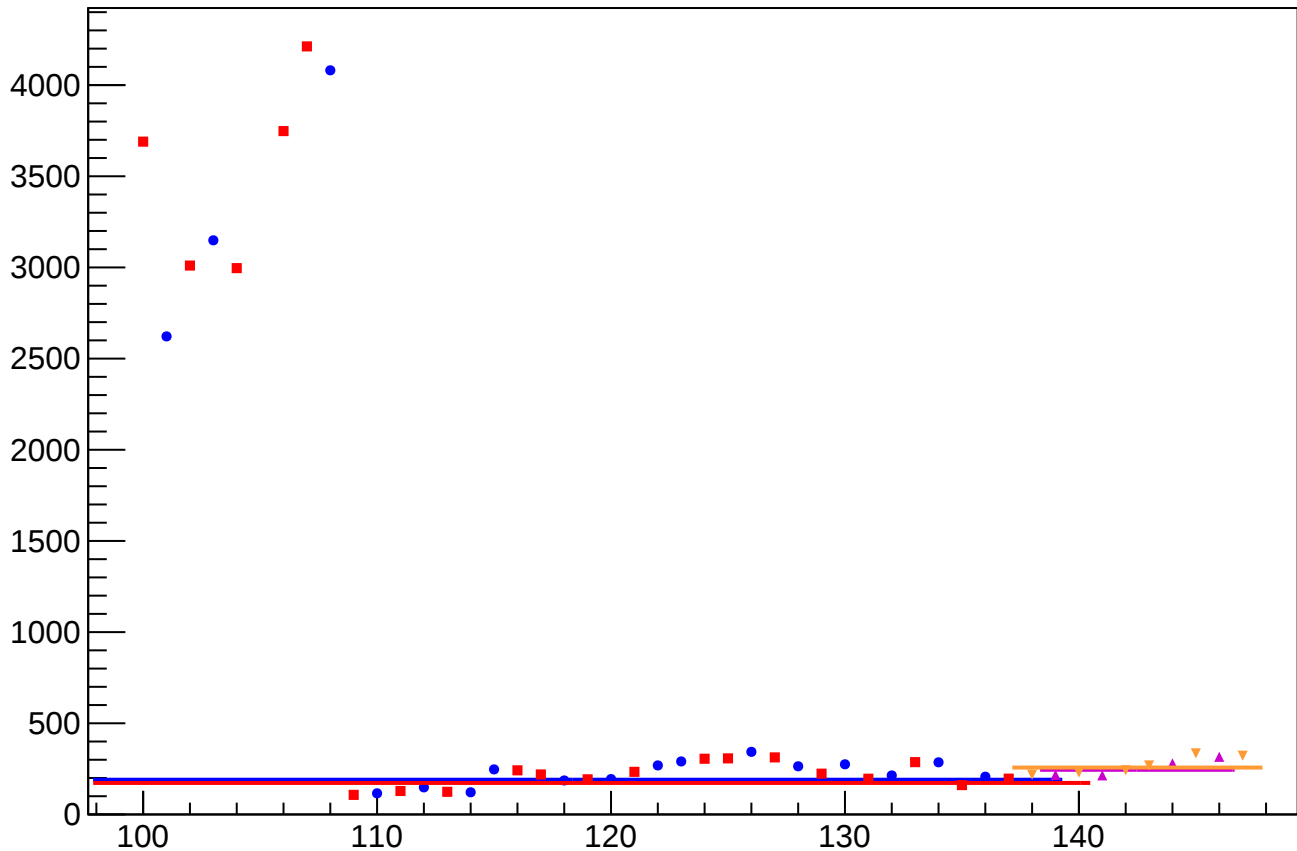
Left In: 179.049+/-139.845 χ^2/NDF : 2.0/3

99.610+/-72.431 χ^2/NDF : 13.5/22

75.872+/-50.225 χ^2/NDF : 29.4/46

53.887+/-69.706 χ^2/NDF : 15.7/23

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.485 $\pm$ 0.062 χ^2 /NDF: 3583573.2/16

Left Out: 257.192 $\pm$ 0.092 χ^2 /NDF: 221041.0/5

Right Out: 172.872 $\pm$ 0.057 χ^2 /NDF: 4222275.2/19

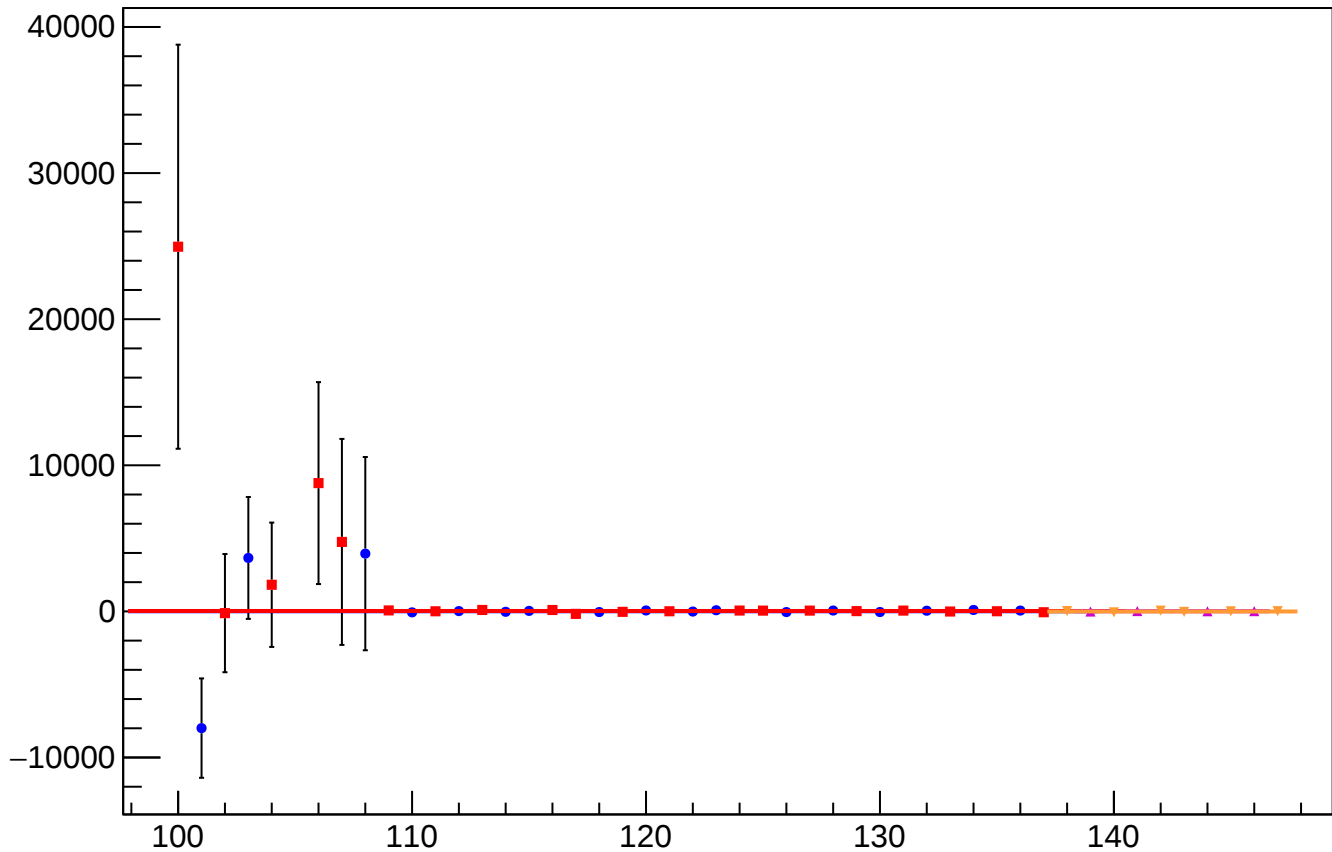
Left In: 245.021 $\pm$ 0.099 χ^2 /NDF: 164487.7/3

211.335 $\pm$ 0.051 χ^2 /NDF: 4169095.5/22

200.673 $\pm$ 0.036 χ^2 /NDF: 9039416.4/46

190.798 $\pm$ 0.049 χ^2 /NDF: 4786845.9/23

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: -4.992 $\pm$ 15.005 χ^2 /NDF: 6.1/5

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

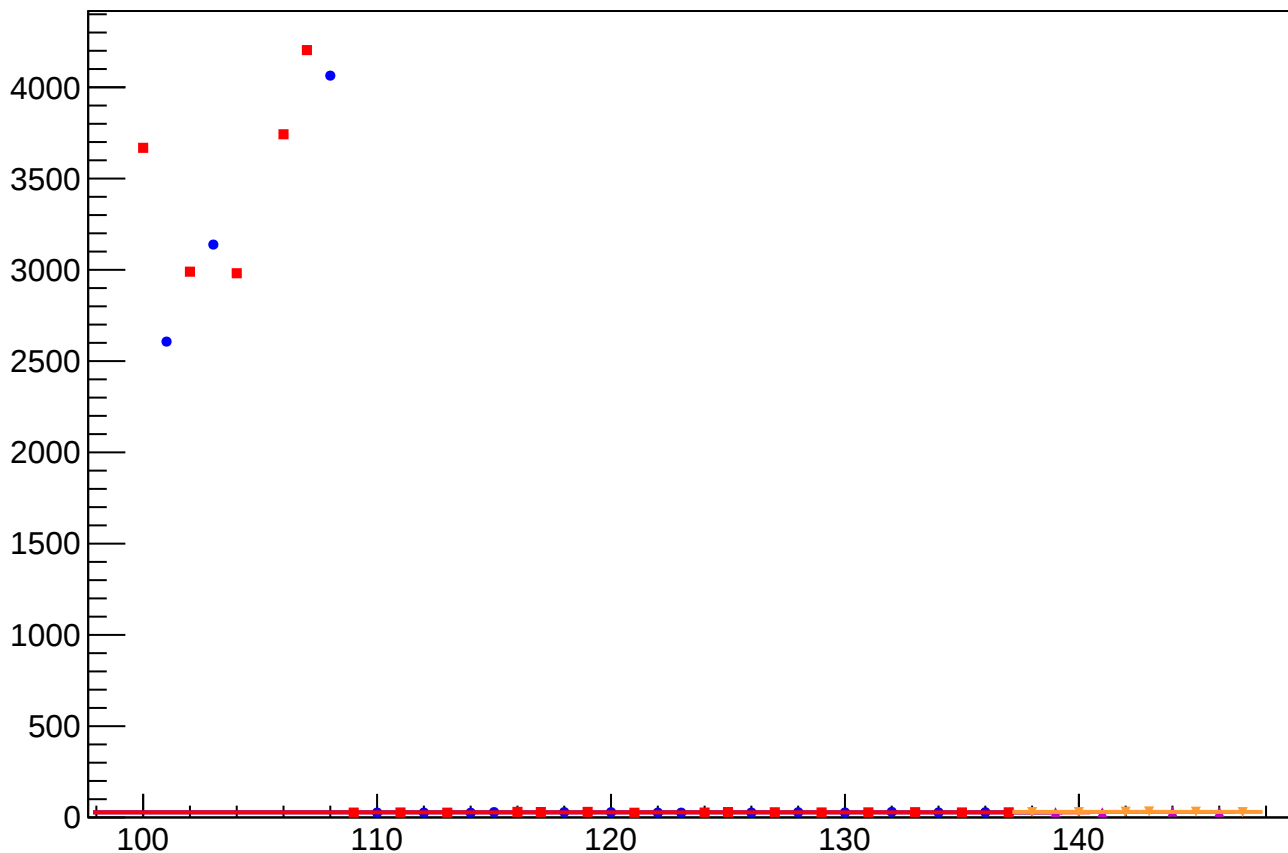
Left In: 11.659 $\pm$ 16.843 χ^2 /NDF: 0.5/3

3.751 $\pm$ 9.500 χ^2 /NDF: 29.9/22

12.674 $\pm$ 6.862 χ^2 /NDF: 51.3/46

22.411 $\pm$ 9.924 χ^2 /NDF: 19.6/23

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: 30.298+/-0.011 χ^2 /NDF:17523.6/5

Right Out: 27.929+/-0.009 χ^2 /NDF: 3479867.7/19

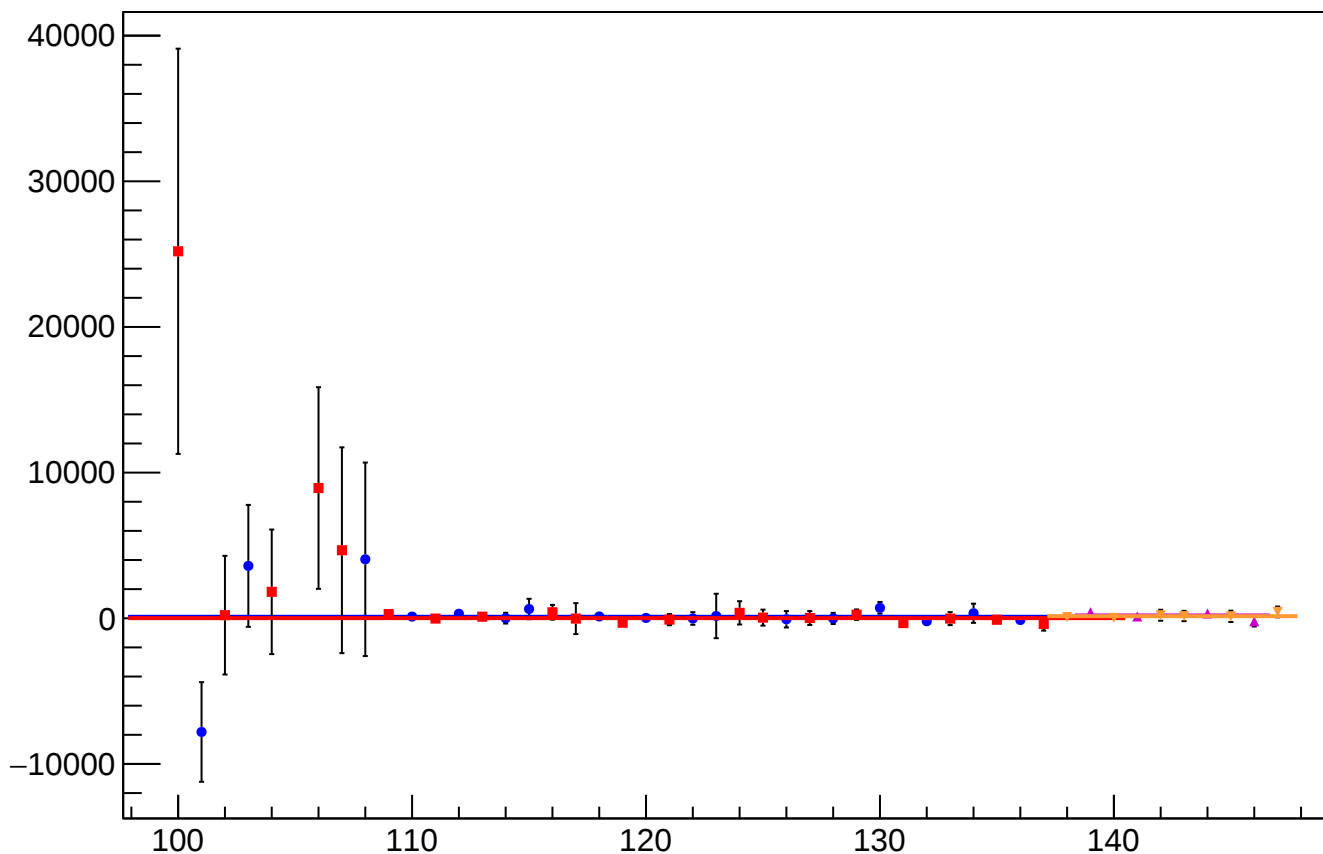
Left In: 30.029+/-0.012 χ^2 /NDF:19331.1/3

28.935+/-0.007 χ^2 /NDF: 3072071.5/22

28.802+/-0.005 χ^2 /NDF: 6592379.1/46

28.658+/-0.007 χ^2 /NDF: 3519496.2/23

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: 143.468 $\pm$ 131.304 χ^2 /NDF: 0.9/5

Right Out: 11.037 $\pm$ 81.486 χ^2 /NDF: 12.3/19

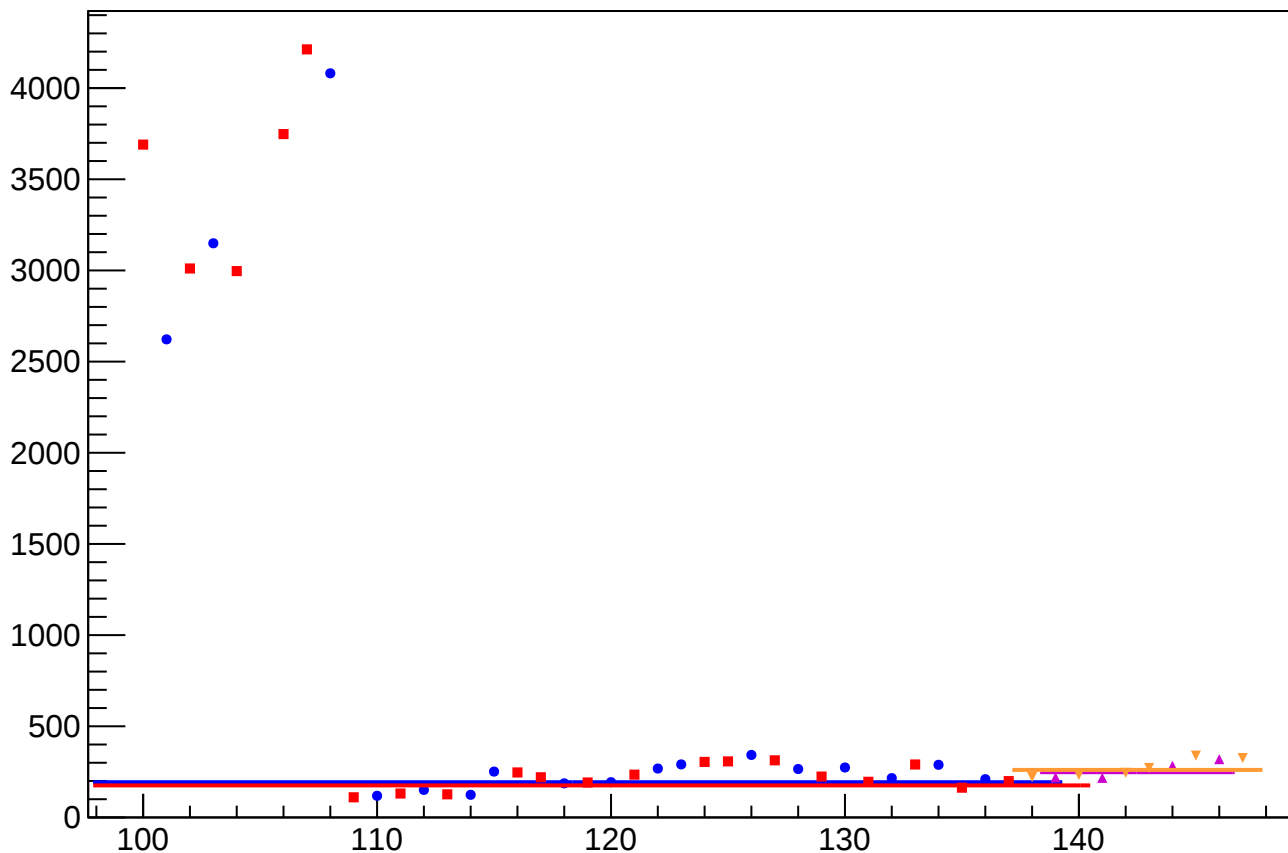
Left In: 195.158 $\pm$ 141.652 χ^2 /NDF: 2.2/3

114.775 $\pm$ 73.324 χ^2 /NDF: 13.4/22

84.713 $\pm$ 50.870 χ^2 /NDF: 29.4/46

56.817 $\pm$ 70.633 χ^2 /NDF: 15.7/23

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.190+/-0.063 χ^2/NDF : 3536123.5/16

Left Out: 260.761+/-0.093 χ^2/NDF : 216107.8/5

Right Out: 175.749+/-0.058 χ^2/NDF : 4168935.2/19

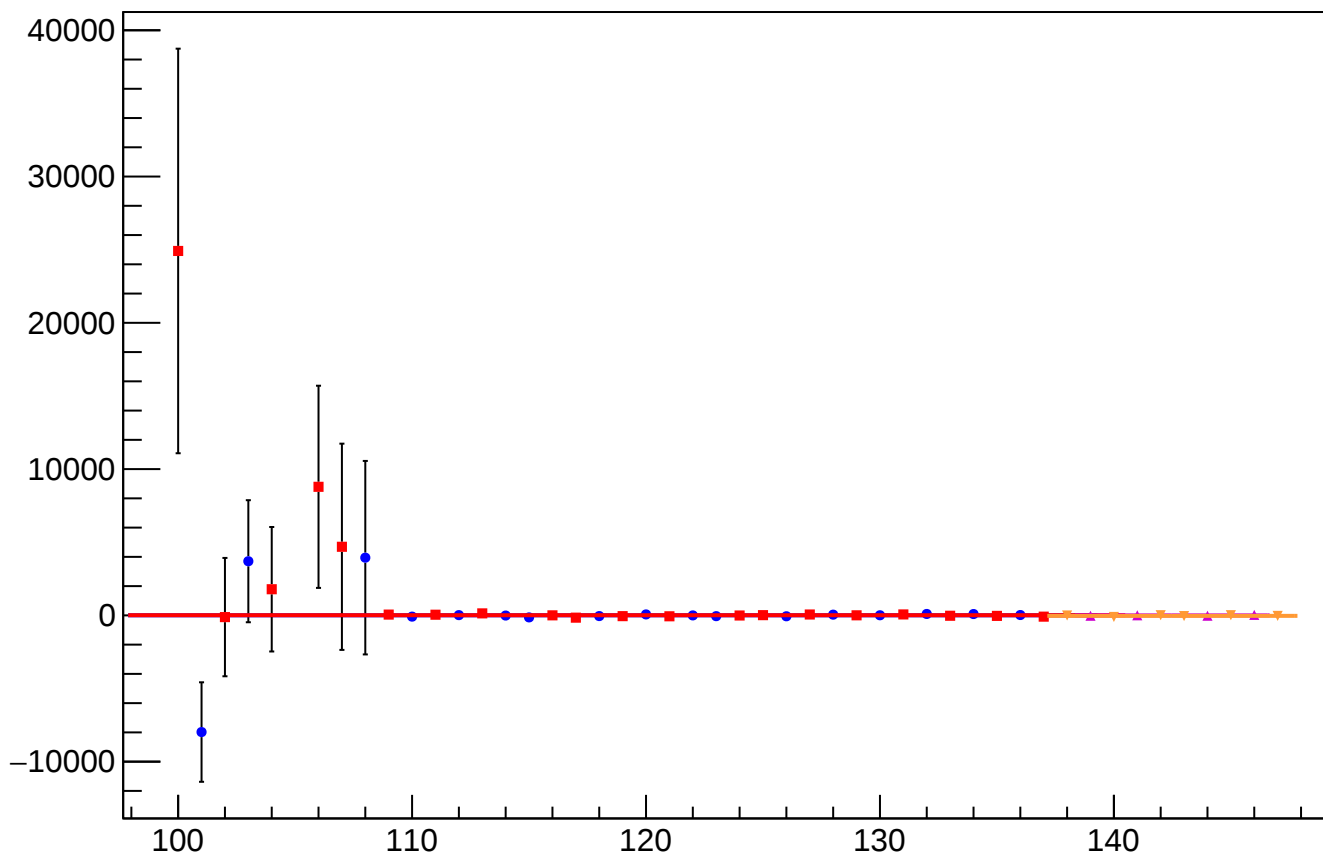
Left In: 248.253+/-0.100 χ^2/NDF : 162831.9/3

214.262+/-0.052 χ^2/NDF : 4116718.6/22

203.637+/-0.036 χ^2/NDF : 8923138.9/46

193.777+/-0.050 χ^2/NDF : 4725450.7/23

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: -33.123+/-17.744 χ^2 /NDF: 5.6/5

Right Out: 11.101+/-14.886 χ^2 /NDF: 22.7/19

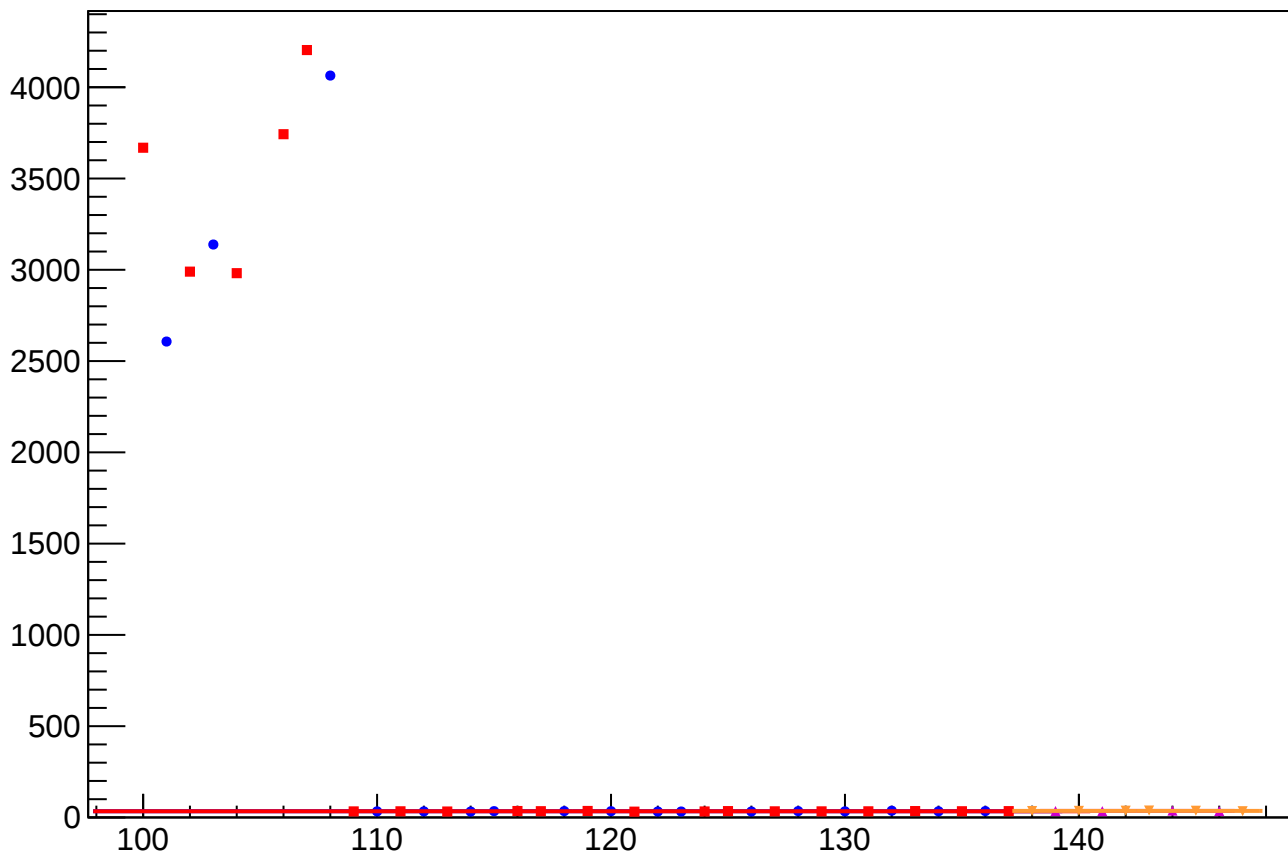
Left In: -0.755+/-19.965 χ^2 /NDF: 1.4/3

-11.013+/-11.426 χ^2 /NDF: 28.7/22

-2.462+/-8.253 χ^2 /NDF: 54.3/46

6.865+/-11.934 χ^2 /NDF: 24.4/23

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: 35.891 $\pm$ 0.013 χ^2 /NDF:10042.1/5

Right Out: 33.915 $\pm$ 0.011 χ^2 /NDF: 3451897.1/19

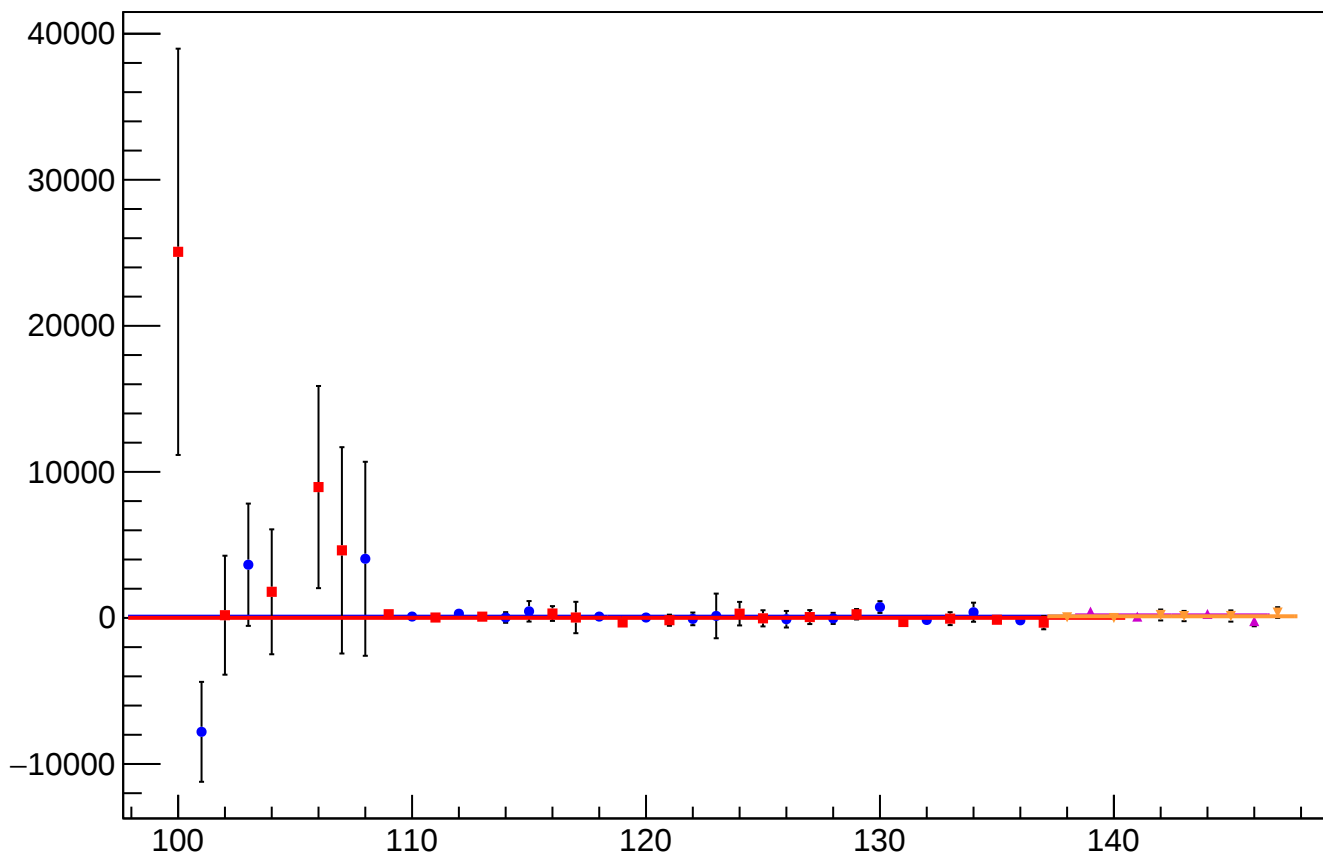
Left In: 35.663 $\pm$ 0.014 χ^2 /NDF:6093.8/3

34.864 $\pm$ 0.008 χ^2 /NDF: 3027718.6/22

34.709 $\pm$ 0.006 χ^2 /NDF: 6496326.2/46

34.540 $\pm$ 0.008 χ^2 /NDF: 3467835.0/23

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: 113.064+/-130.240 χ^2/NDF : 0.8/5

Right Out: 7.420+/-80.977 χ^2/NDF : 11.1/19

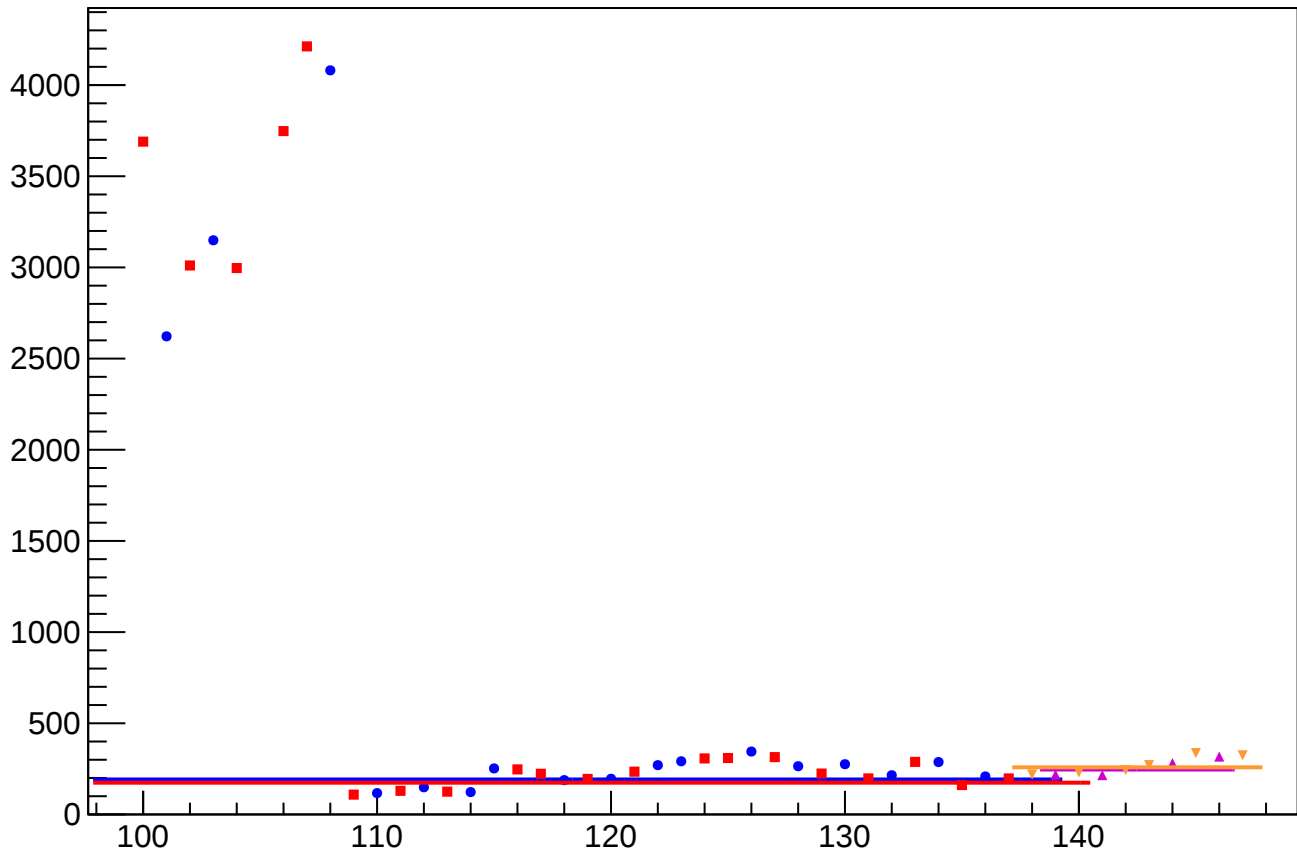
Left In: 176.170+/-140.624 χ^2/NDF : 2.4/3

94.504+/-72.886 χ^2/NDF : 13.2/22

71.119+/-50.552 χ^2/NDF : 28.0/46

49.442+/-70.174 χ^2/NDF : 14.5/23

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: 258.554+/-0.092 χ^2/NDF : 220847.2/5

Right Out: 174.207+/-0.057 χ^2/NDF : 4215538.3/19

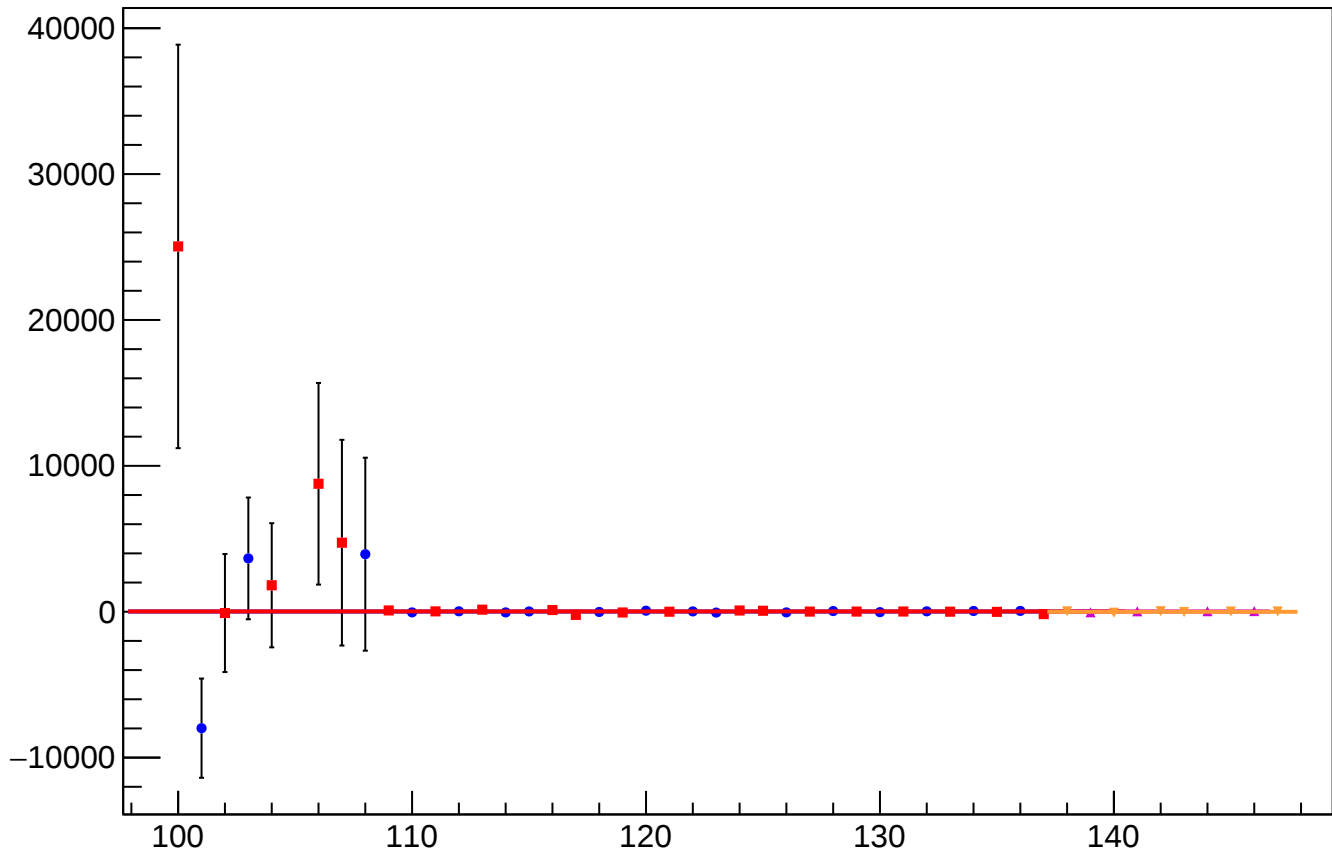
Left In: 246.420+/-0.099 χ^2/NDF : 163277.4/3

212.761+/-0.052 χ^2/NDF : 4153892.4/22

202.085+/-0.036 χ^2/NDF : 9011460.5/46

192.189+/-0.050 χ^2/NDF : 4774885.8/23

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: -3.671+/-16.319 χ^2/NDF : 5.4/5

Right Out: 21.490+/-13.601 χ^2/NDF : 29.9/19

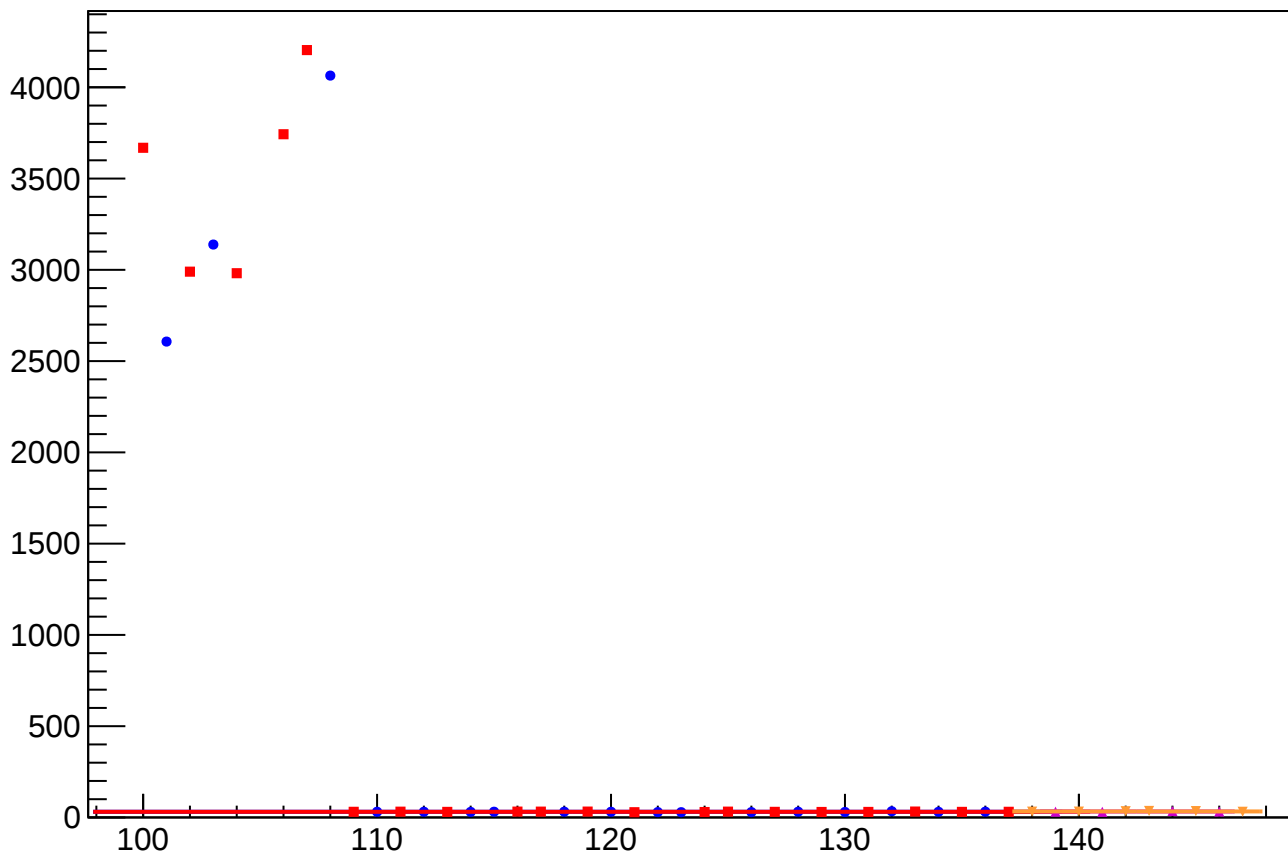
Left In: 21.202+/-18.280 χ^2/NDF : 3.0/3

6.817+/-10.456 χ^2/NDF : 21.3/22

13.791+/-7.549 χ^2/NDF : 55.2/46

21.388+/-10.912 χ^2/NDF : 32.9/23

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 31.127 $\pm$ 0.010 χ^2 /NDF: 3014425.9/16

Left Out: 32.965 $\pm$ 0.012 χ^2 /NDF: 21354.5/5

Right Out: 30.970 $\pm$ 0.010 χ^2 /NDF: 3459018.8/19

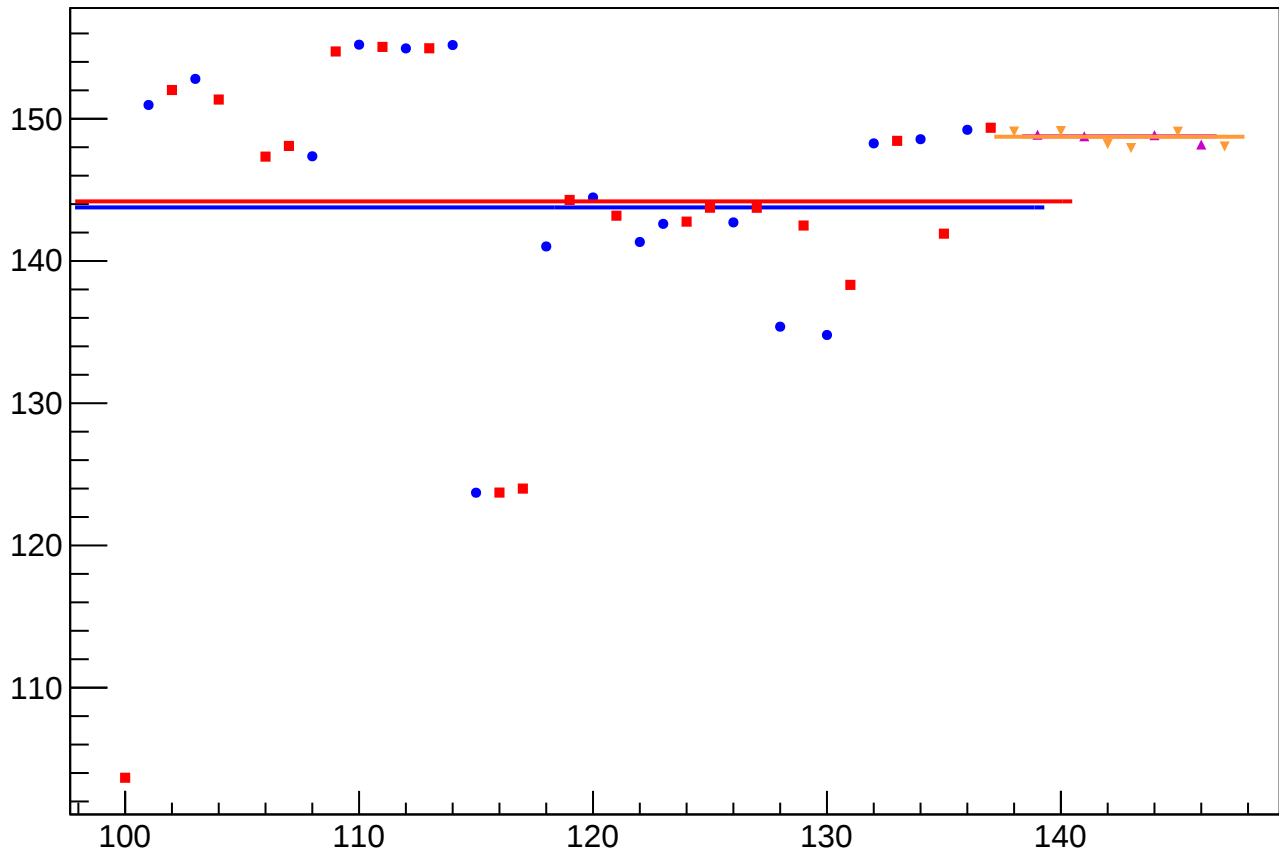
Left In: 32.623 $\pm$ 0.013 χ^2 /NDF: 14566.7/3

31.881 $\pm$ 0.007 χ^2 /NDF: 3050739.0/22

31.727 $\pm$ 0.005 χ^2 /NDF: 6535749.2/46

31.559 $\pm$ 0.008 χ^2 /NDF: 3484102.2/23

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.768 +/- 0.000 χ^2/NDF : 3532173868.5/16

Left Out: 148.738 +/- 0.000 χ^2/NDF : 8721312.4/5

Right Out: 144.192 +/- 0.000 χ^2/NDF : 4524049993.1/19

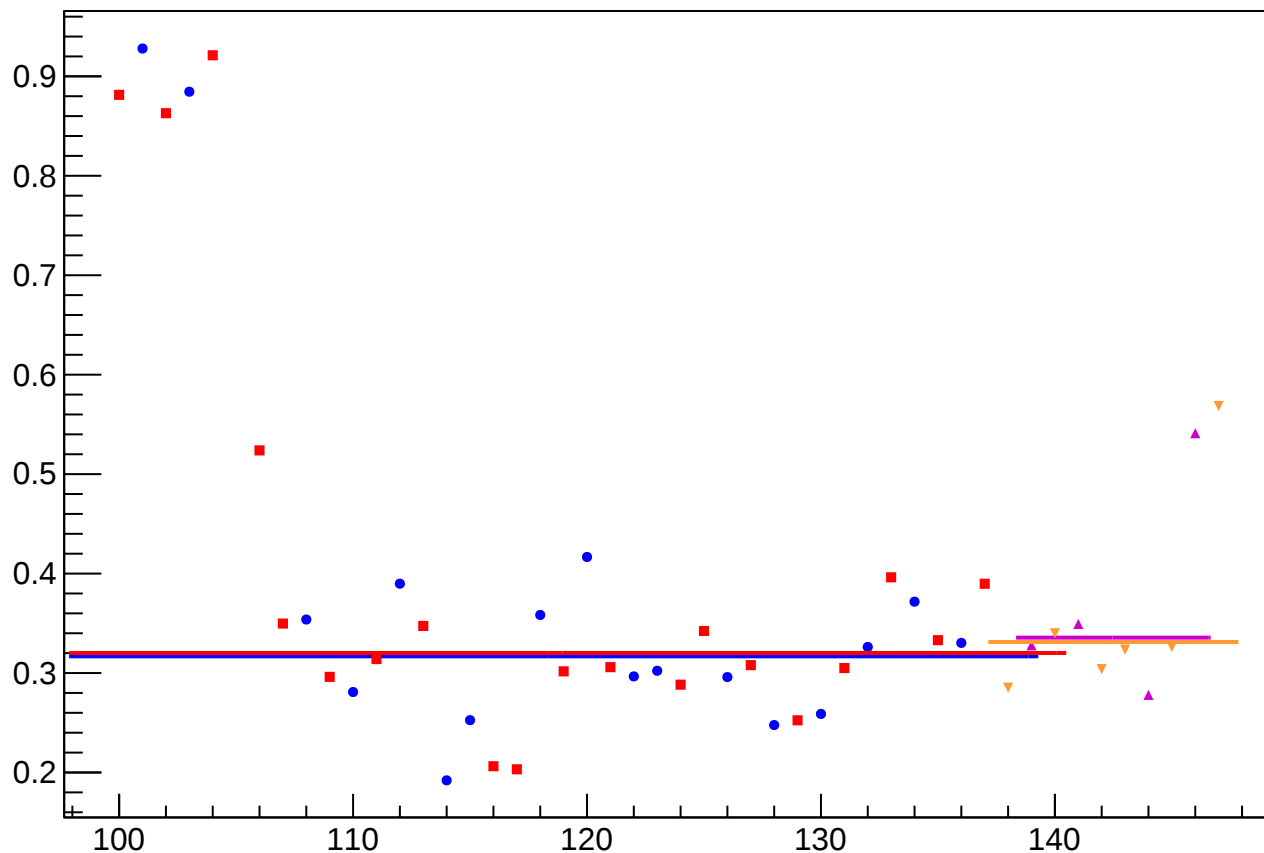
Left In: 148.767 +/- 0.000 χ^2/NDF : 1062265.8/3

145.661 +/- 0.000 χ^2/NDF : 4064543807.7/22

145.645 +/- 0.000 χ^2/NDF : 8966552663.5/23

145.627 +/- 0.000 χ^2/NDF : 4901957422.5/23

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1278613.2/16

Left Out: 0.331 $\pm$ 0.000 χ^2 /NDF:301907.6/5

Right Out: 0.320 $\pm$ 0.000 χ^2 /NDF: 1240600.2/19

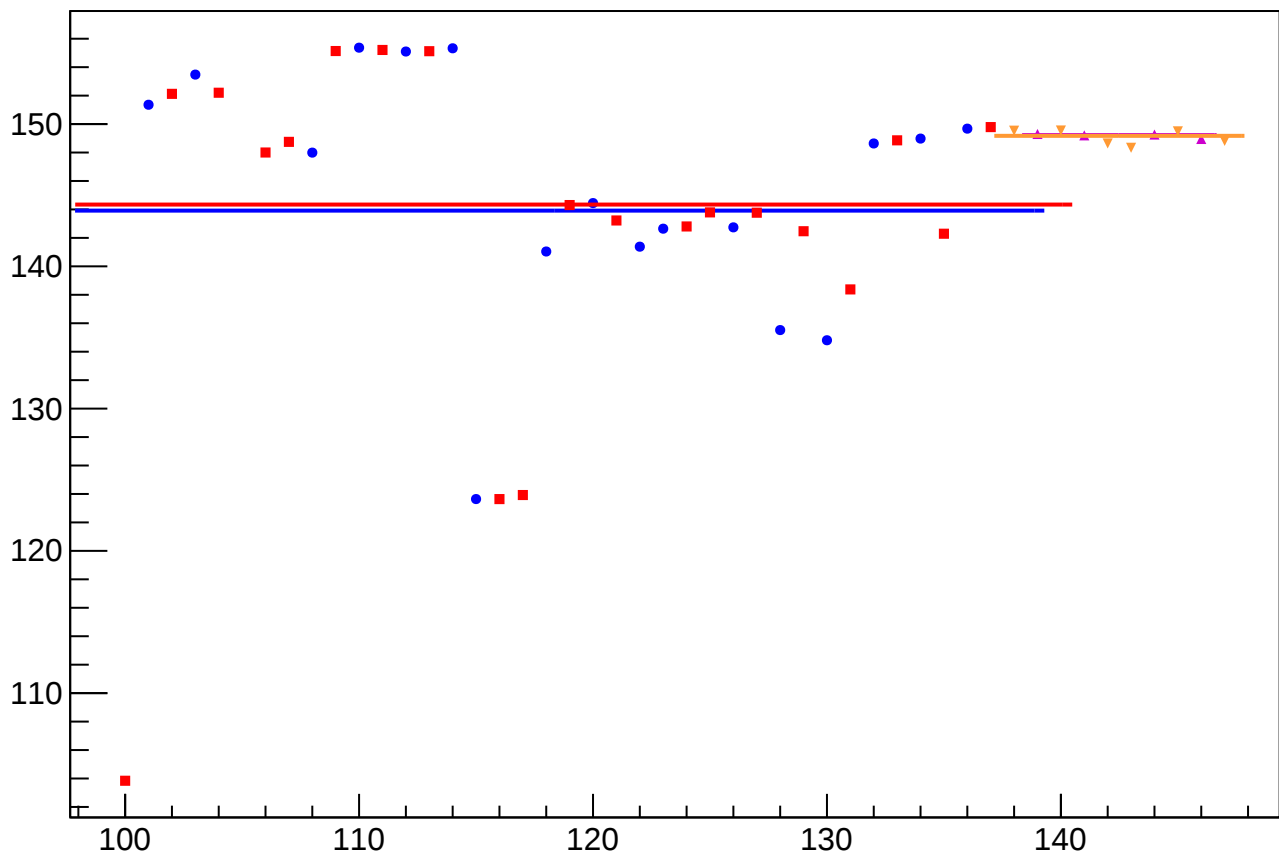
Left In: 0.336 $\pm$ 0.000 χ^2 /NDF:306467.5/3

0.322 $\pm$ 0.000 χ^2 /NDF: 1589269.4/22

0.324 $\pm$ 0.000 χ^2 /NDF: 3145546.7/46

0.325 $\pm$ 0.000 χ^2 /NDF: 1555639.1/23

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.917 $\pm$ 0.000 χ^2 /NDF: 3584662767.5/16

Left Out: 149.174 $\pm$ 0.000 χ^2 /NDF: 7994630.7/5

Right Out: 144.342 $\pm$ 0.000 χ^2 /NDF: 4551365931.0/19

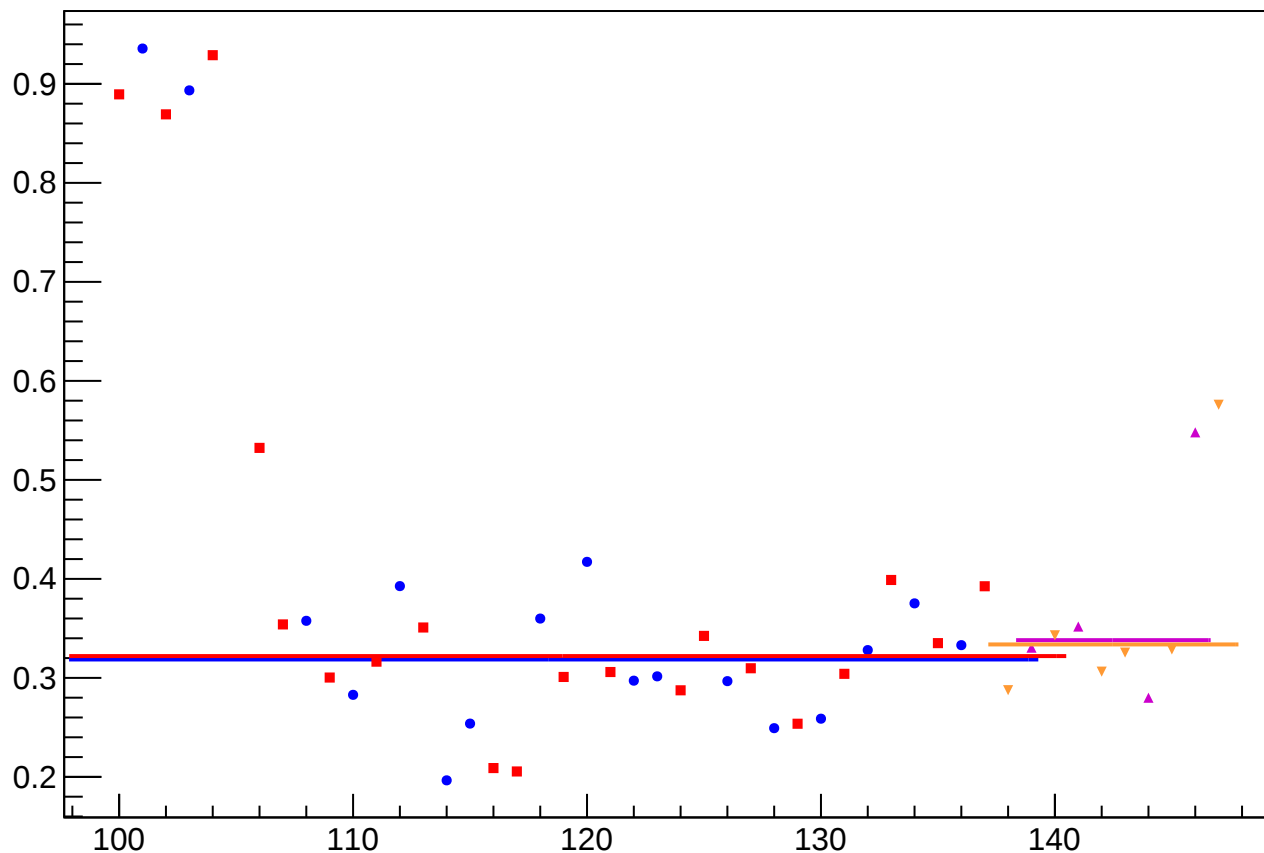
Left In: 149.227 $\pm$ 0.000 χ^2 /NDF: 254850.9/3

145.913 $\pm$ 0.000 χ^2 /NDF: 4170288907.7/22

145.892 $\pm$ 0.000 χ^2 /NDF: 9145316421.0/23

145.870 $\pm$ 0.000 χ^2 /NDF: 4974948244.4/23

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.319 $\pm$ 0.000 χ^2 /NDF: 1280748.9/16

Left Out: 0.334 $\pm$ 0.000 χ^2 /NDF:305608.7/5

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1243109.0/19

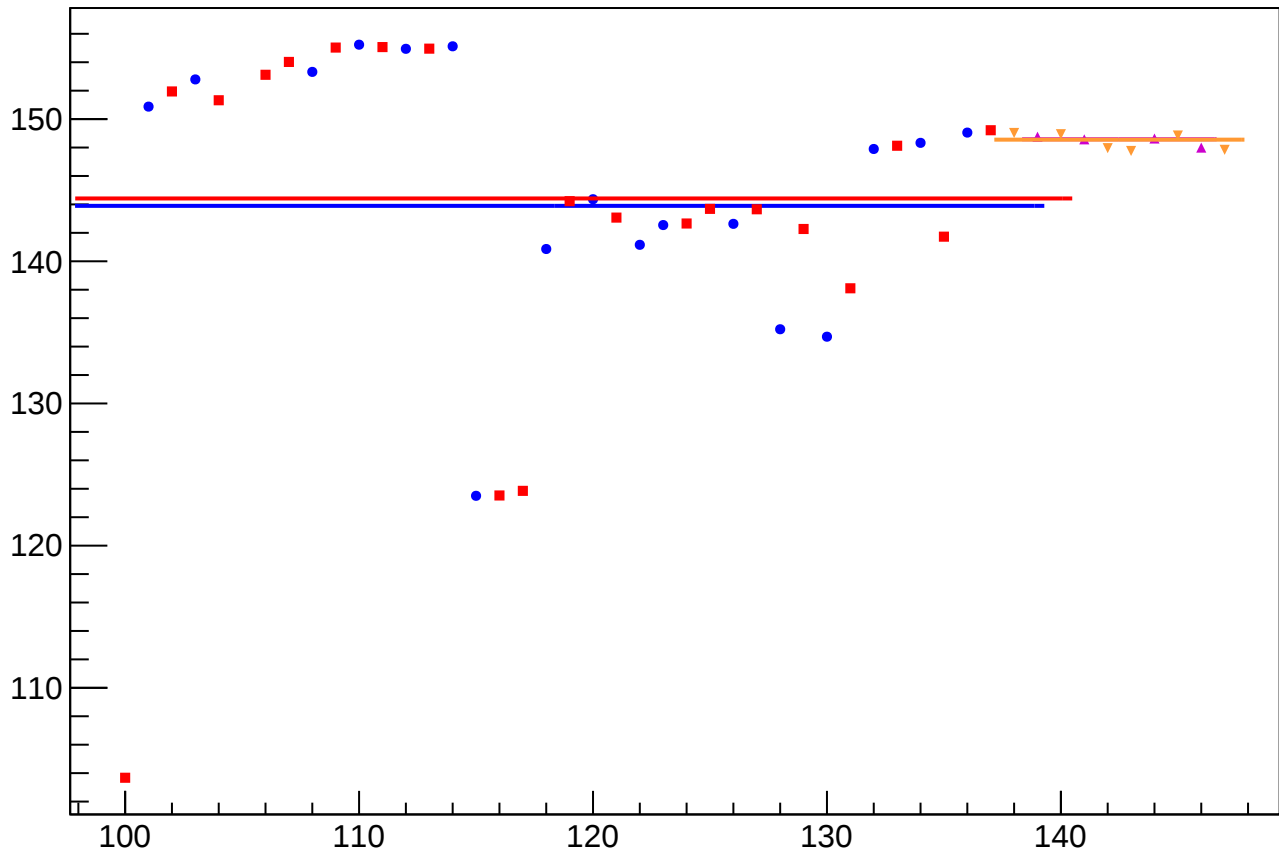
Left In: 0.338 $\pm$ 0.000 χ^2 /NDF:310706.2/3

0.324 $\pm$ 0.000 χ^2 /NDF: 1595997.6/22

0.326 $\pm$ 0.000 χ^2 /NDF: 3159611.6/46

0.327 $\pm$ 0.000 χ^2 /NDF: 1562997.2/23

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.899 $\pm$ 0.000 χ^2 /NDF: 3749888331.0/16

Left Out: 148.555 $\pm$ 0.000 χ^2 /NDF: 9585523.7/5

145.670 $\pm$ 0.000 χ^2 /NDF: 4215750076.1/22

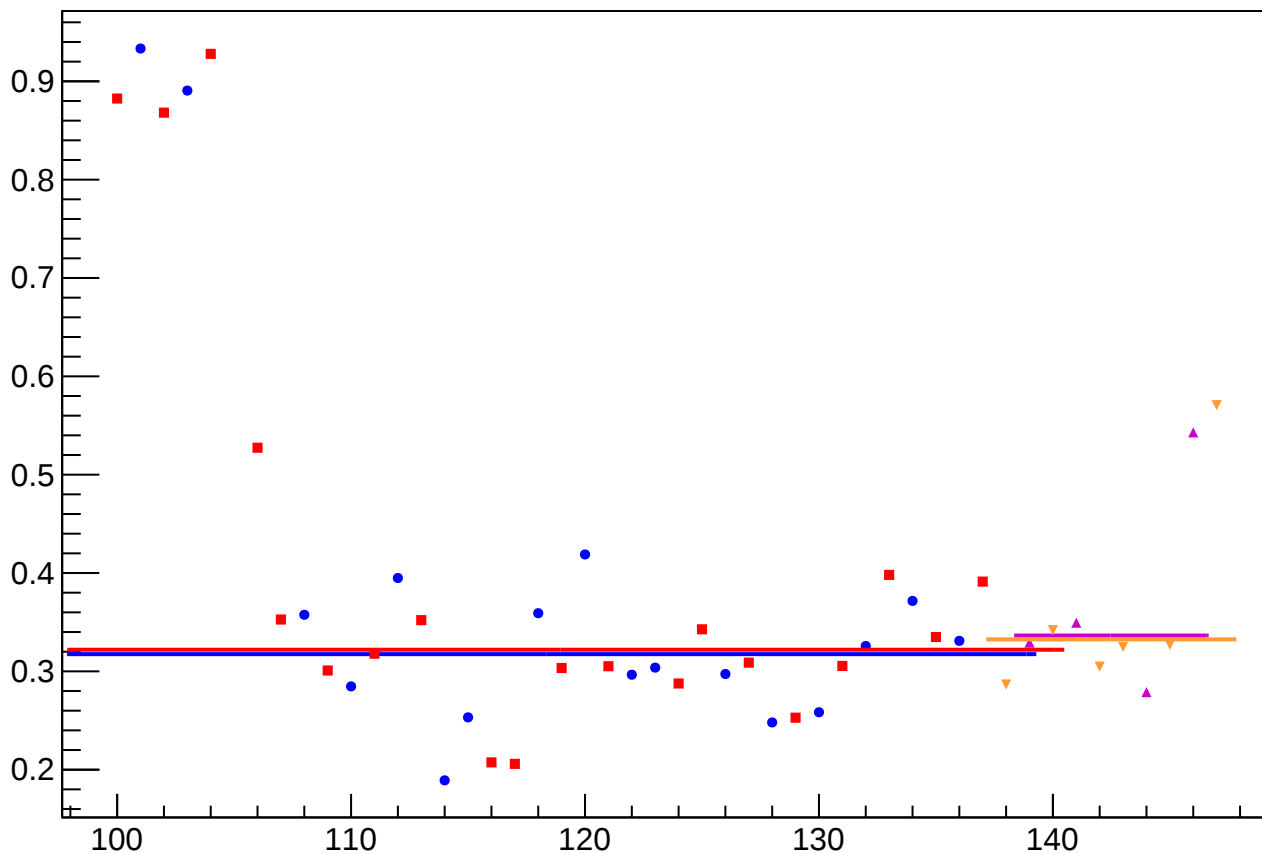
Right Out: 144.419 $\pm$ 0.000 χ^2 /NDF: 4820290476.6/19

145.699 $\pm$ 0.000 χ^2 /NDF: 9347420221.7/21

Left In: 148.583 $\pm$ 0.000 χ^2 /NDF: 1166530.0/3

145.731 $\pm$ 0.000 χ^2 /NDF: 5131511618.4/23

yield_bcm_an_us_rms vs Slug, Sign Corrected



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

Left Out: 0.333 $\pm$ 0.000 χ^2 /NDF: 301784.3/5

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

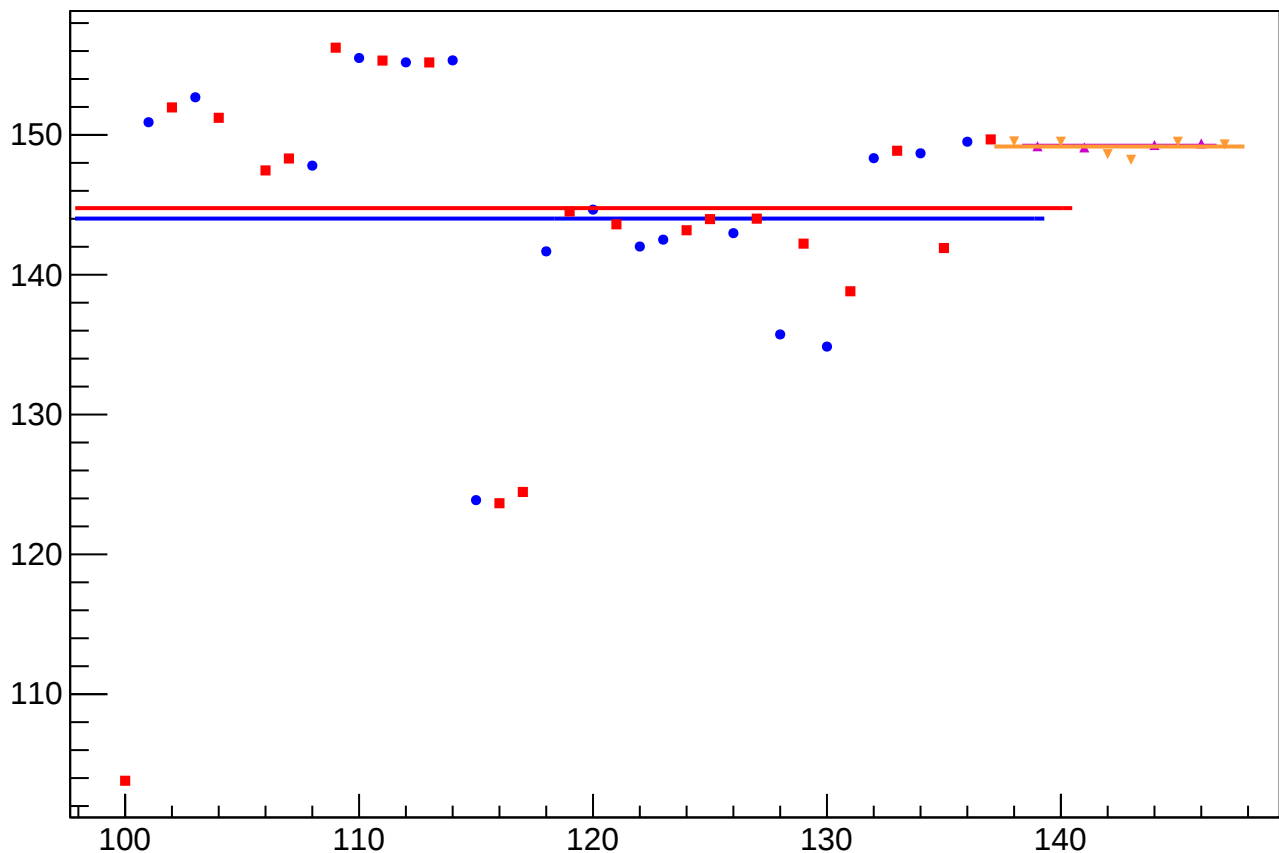
Left In: 0.336 $\pm$ 0.000 χ^2 /NDF: 306493.6/3

0.323 $\pm$ 0.000 χ^2 /NDF: 1604449.9/22

0.325 $\pm$ 0.000 χ^2 /NDF: 3163067.0/46

0.327 $\pm$ 0.000 χ^2 /NDF: 1557658.7/23

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.018 +/- 0.000 χ^2/NDF : 3238525527.6/16

Left Out: 149.171 +/- 0.000 χ^2/NDF : 8024623.7/5

Right Out: 144.764 +/- 0.000 χ^2/NDF : 4098462011.9/19

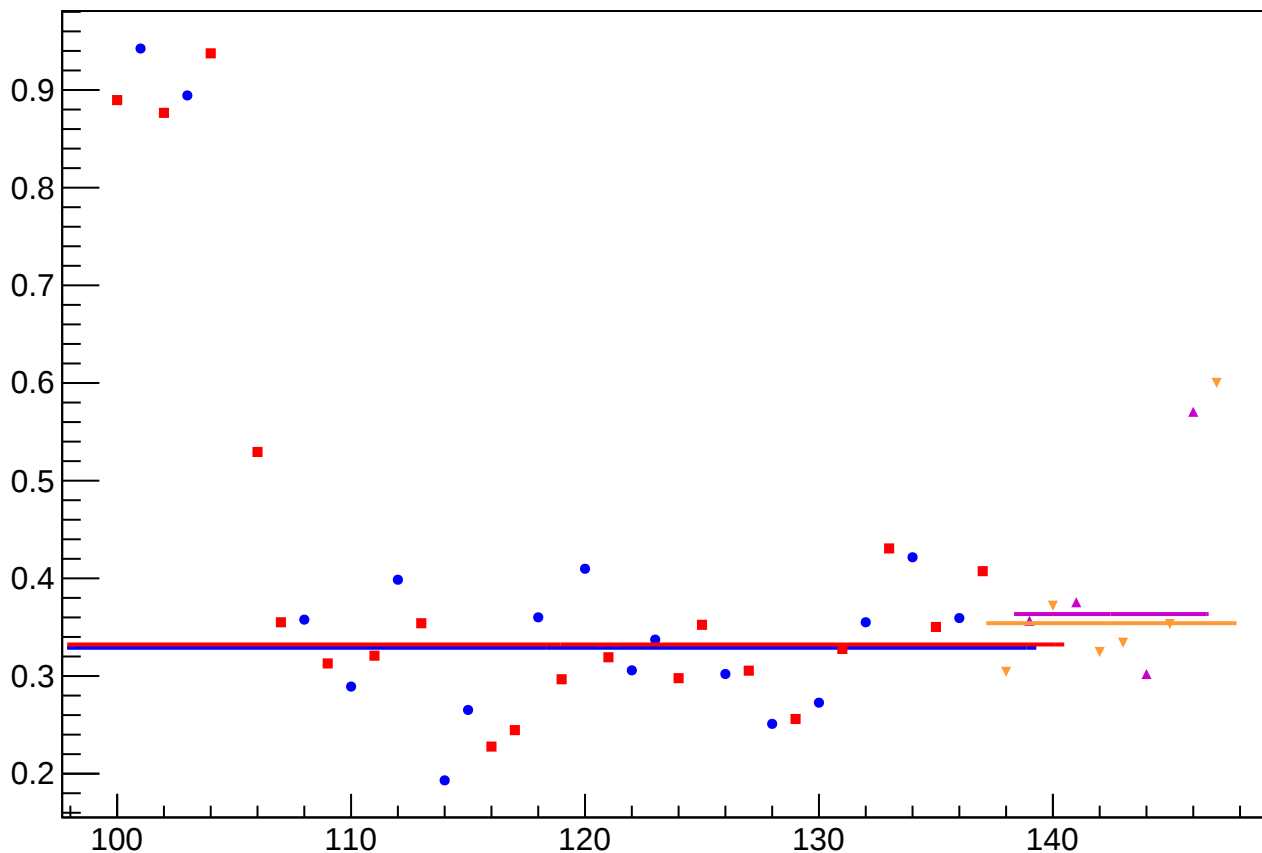
Left In: 149.227 +/- 0.000 χ^2/NDF : 180654.5/3

145.903 +/- 0.000 χ^2/NDF : 3745749350.2/22

145.987 +/- 0.000 χ^2/NDF : 8158395738.7/23

146.078 +/- 0.000 χ^2/NDF : 4411442356.5/23

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.329 $\pm$ 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.354 $\pm$ 0.000 χ^2/NDF : 297372.0/5

Right Out: 0.332 $\pm$ 0.000 χ^2/NDF : 1191637.2/19

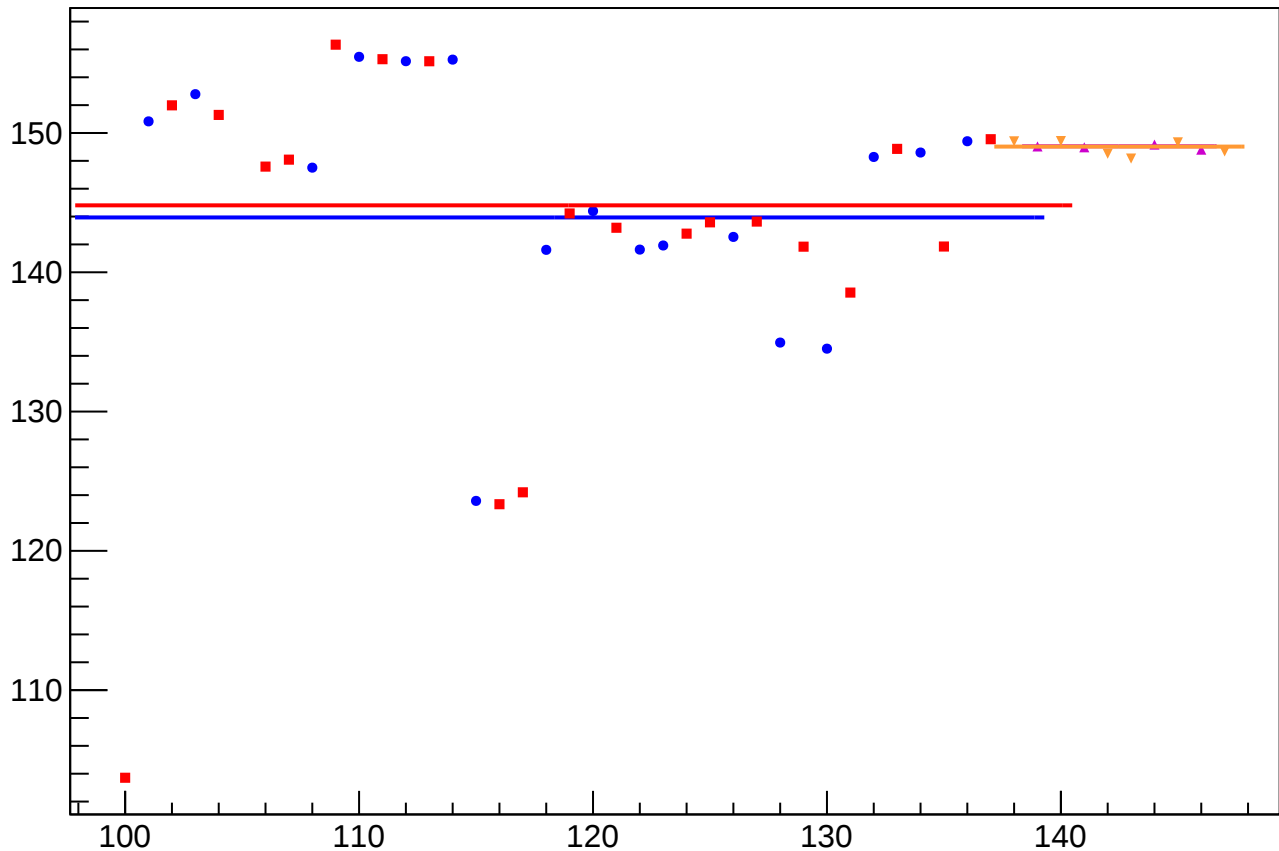
Left In: 0.363 $\pm$ 0.000 χ^2/NDF : 280116.7/3

0.338 $\pm$ 0.000 χ^2/NDF : 1597226.9/22

0.340 $\pm$ 0.000 χ^2/NDF : 3100318.4/46

0.341 $\pm$ 0.000 χ^2/NDF : 1502233.6/23

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.937 +/- 0.000 χ^2/NDF : 3379203532.9/16

Left Out: 149.024 +/- 0.000 χ^2/NDF : 7292053.5/5

Right Out: 144.806 +/- 0.000 χ^2/NDF : 4139087143.3/19

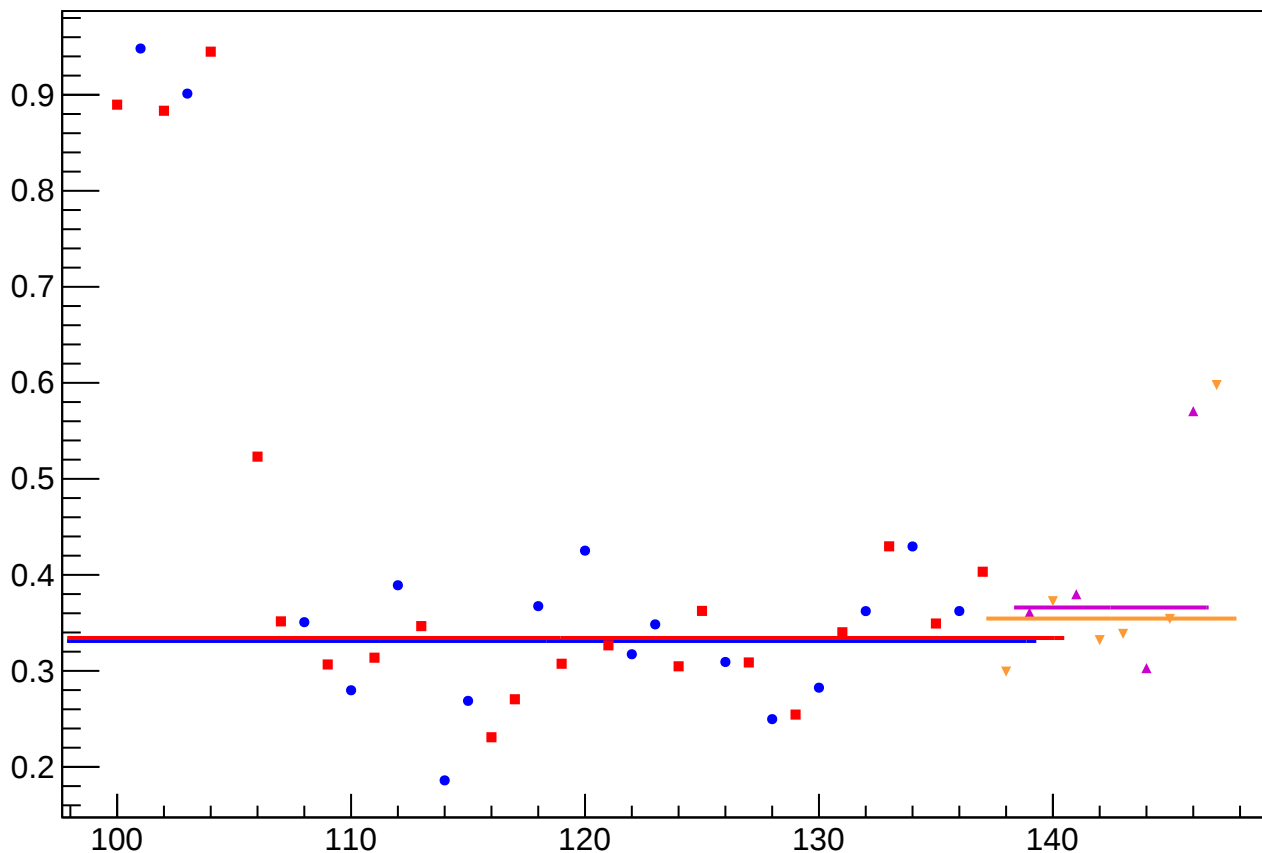
Left In: 149.047 +/- 0.000 χ^2/NDF : 303927.1/3

145.810 +/- 0.000 χ^2/NDF : 3867698695.7/22

145.925 +/- 0.000 χ^2/NDF : 8286814793.5/23

146.049 +/- 0.000 χ^2/NDF : 4416903049.1/23

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.331+/-0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.355+/-0.000 χ^2/NDF :298481.5/5

Right Out: 0.334+/-0.000 χ^2/NDF : 1176170.4/19

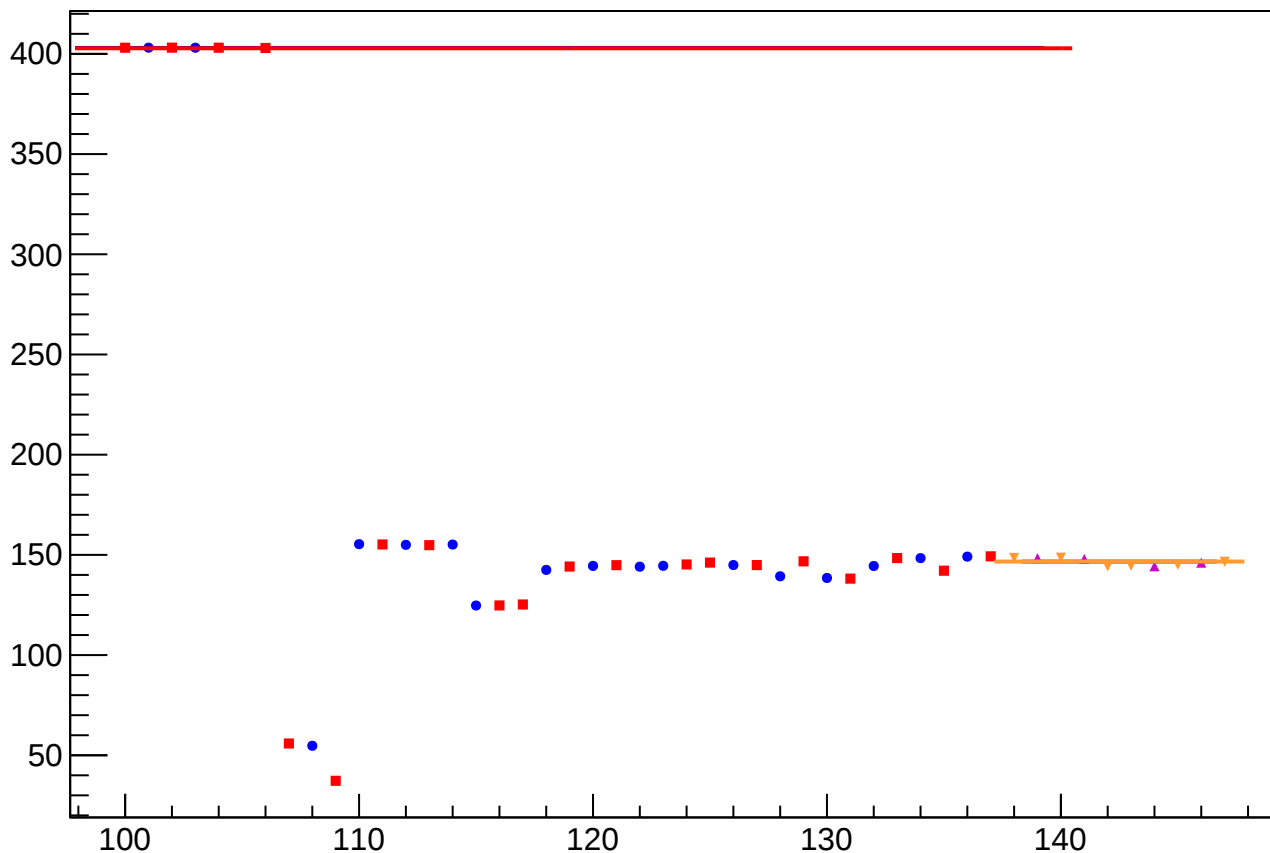
Left In: 0.366+/-0.000 χ^2/NDF :277637.5/3

0.340+/-0.000 χ^2/NDF : 1614477.4/22

0.342+/-0.000 χ^2/NDF : 3100546.0/46

0.344+/-0.000 χ^2/NDF : 1484957.8/23

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.957+/-0.000 χ^2/NDF : 1096710296821.6/16

Left Out: 146.672+/-0.000 χ^2/NDF : 22013621.8/5

Right Out: 402.797+/-0.000 χ^2/NDF : 3122752044607.2/19

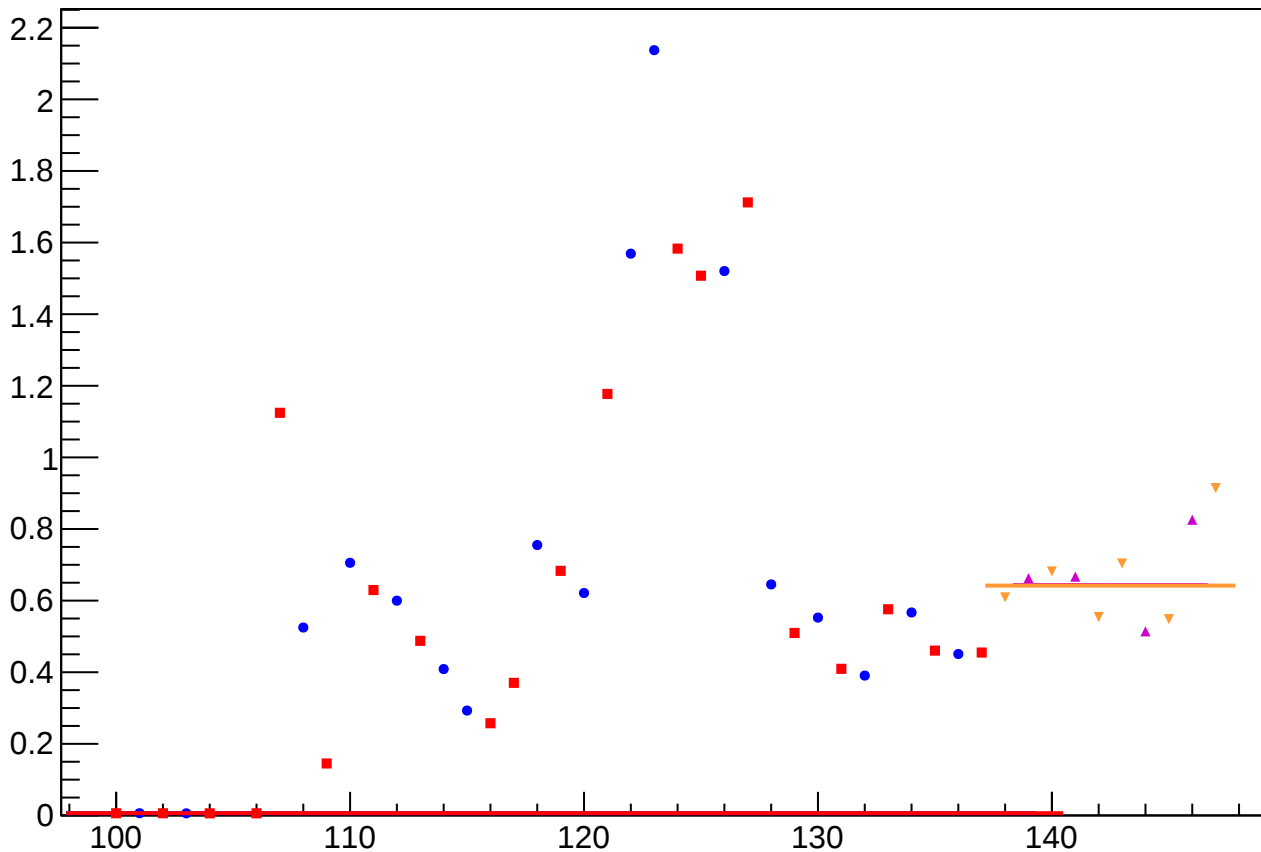
Left In: 146.647+/-0.000 χ^2/NDF : 15350644.9/3

402.904+/-0.000 χ^2/NDF : 1523507412168.6/22

402.827+/-0.000 χ^2/NDF : 498895642923

402.759+/-0.000 χ^2/NDF : 3465100858190.9/23

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.642+/-0.000 χ^2/NDF :141306.3/5

Right Out: 0.006+/-0.000 χ^2/NDF : 9277290.2/19

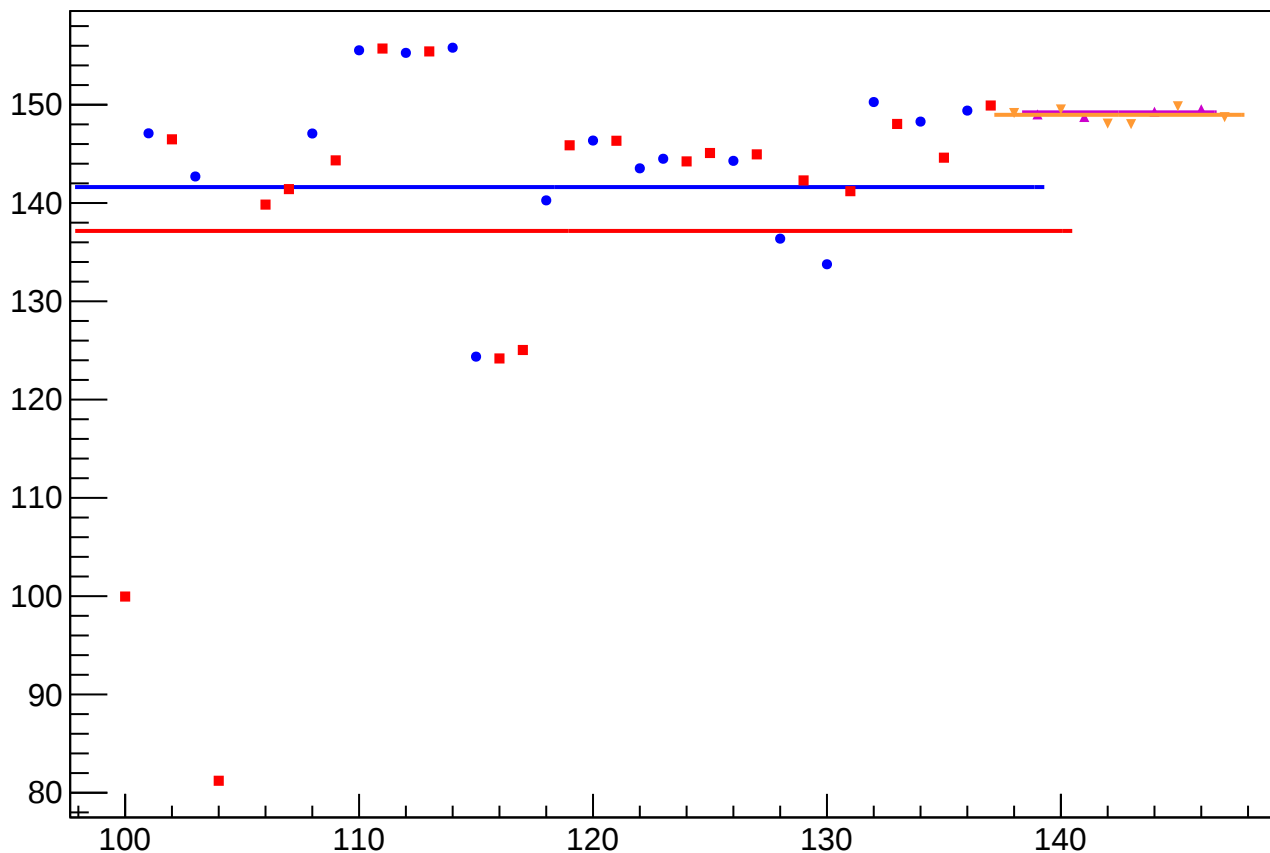
Left In: 0.643+/-0.000 χ^2/NDF :110678.4/3

0.006+/-0.000 χ^2/NDF : 14552162.2/22

0.006+/-0.000 χ^2/NDF : 28175933.5/46

0.006+/-0.000 χ^2/NDF : 13623697.9/23

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.622 $\pm$ 0.000 χ^2 /NDF: 982037737.7/16

Left Out: 148.974 $\pm$ 0.000 χ^2 /NDF: 6573586.4/5

Right Out: 137.160 $\pm$ 0.000 χ^2 /NDF: 1365742338.8/19

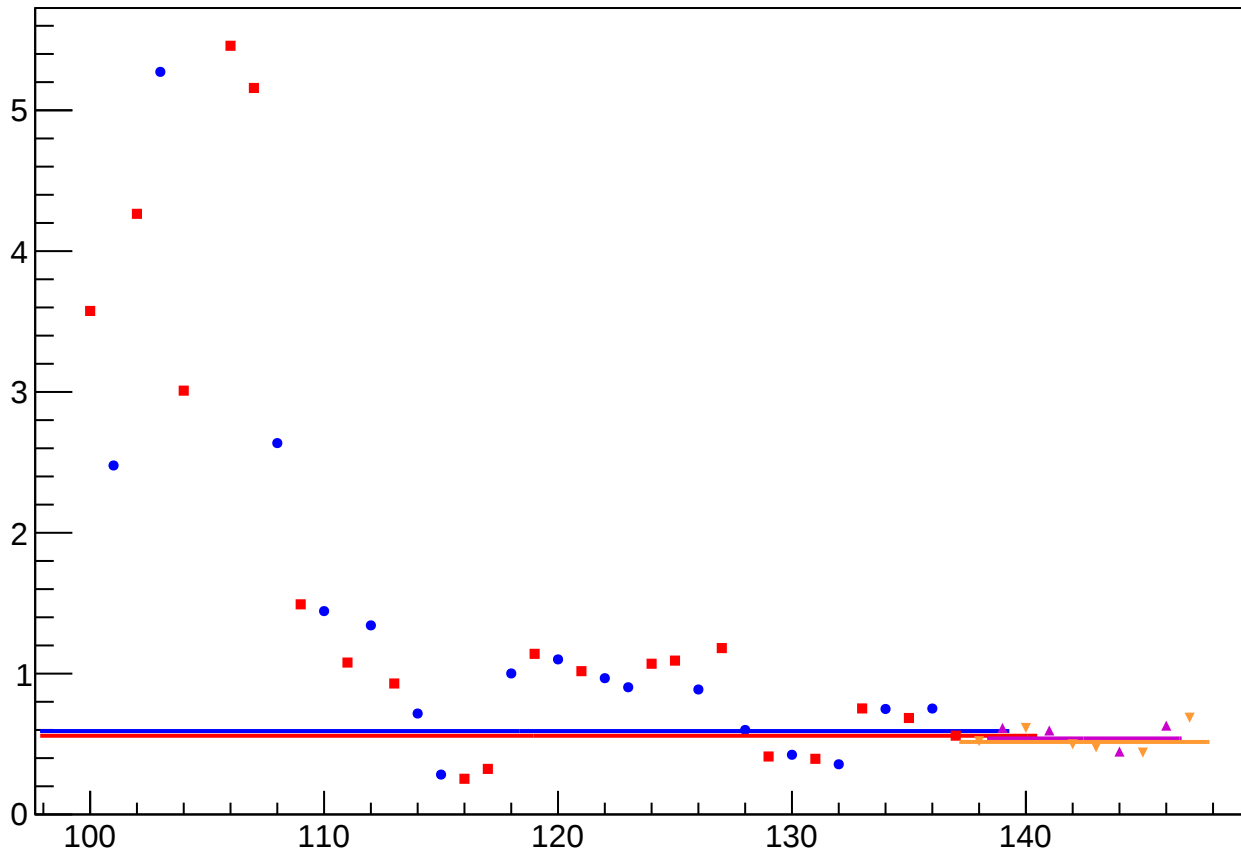
Left In: 149.224 $\pm$ 0.000 χ^2 /NDF: 569461.6/3

145.559 $\pm$ 0.000 χ^2 /NDF: 1281498579.6/22

144.036 $\pm$ 0.000 χ^2 /NDF: 3434659888.9/23

142.296 $\pm$ 0.000 χ^2 /NDF: 2044923693.3/23

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.592+/-0.000 χ^2/NDF : 3521577.2/16

Left Out: 0.515+/-0.000 χ^2/NDF :163757.8/5

Right Out: 0.559+/-0.000 χ^2/NDF : 4719868.1/19

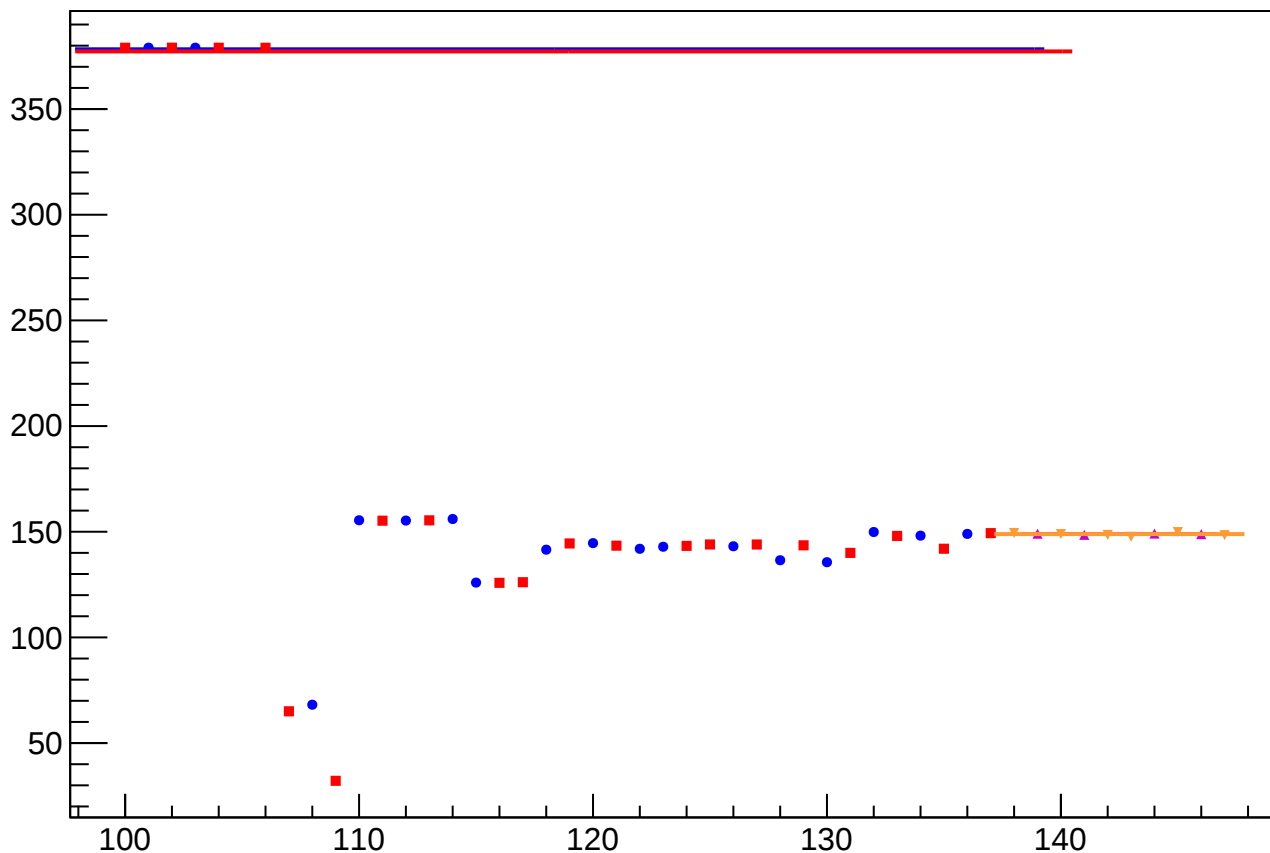
Left In: 0.540+/-0.000 χ^2/NDF :117313.8/3

0.551+/-0.000 χ^2/NDF : 3750219.4/22

0.551+/-0.000 χ^2/NDF : 8590815.2/46

0.551+/-0.000 χ^2/NDF : 4840595.5/23

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16

Left Out: 148.896+/-0.000 χ^2/NDF : 14265434.1/5

Right Out: 377.282+/-0.000 χ^2/NDF : 8306405788315.4/19

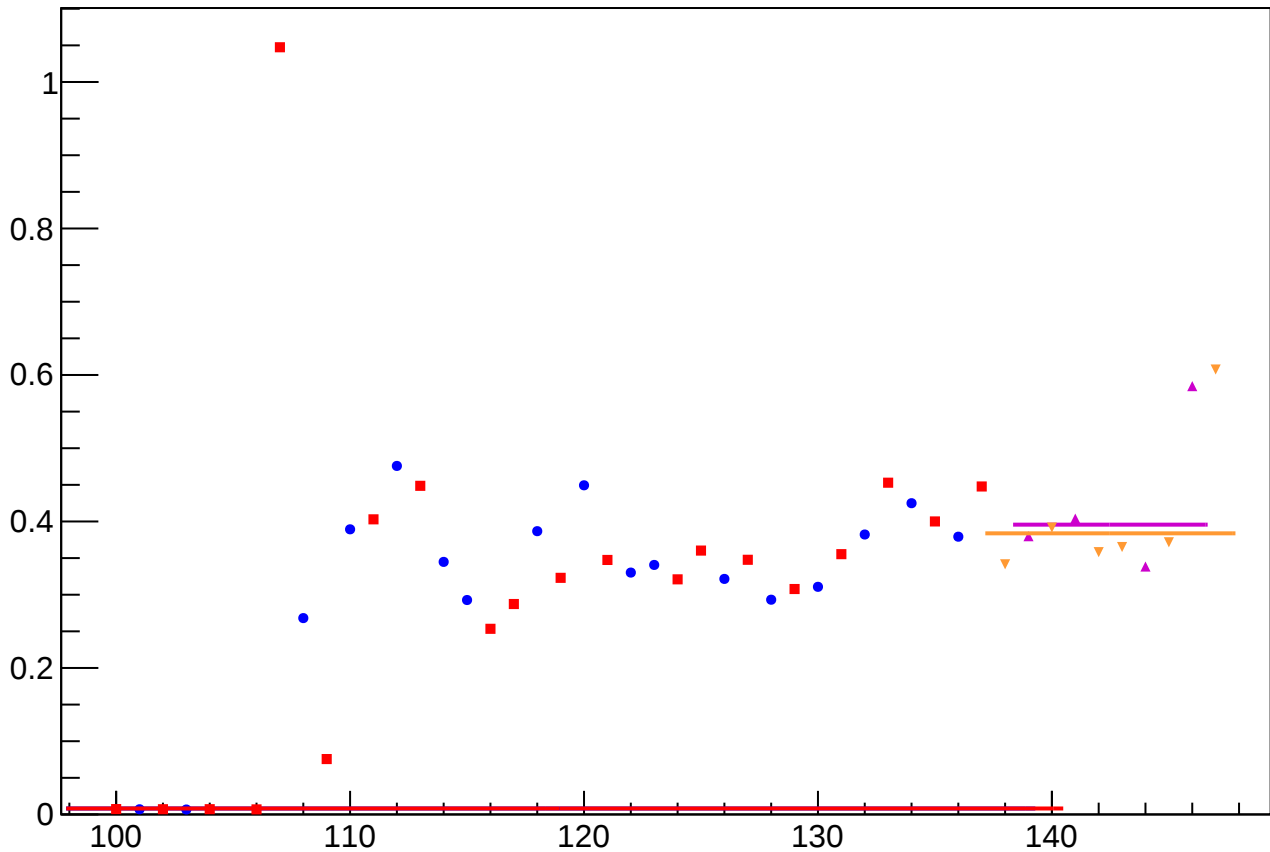
Left In: 148.938+/-0.000 χ^2/NDF : 1180726.2/3

377.836+/-0.000 χ^2/NDF : 3874258108488.0/22

377.387+/-0.000 χ^2/NDF : 131870069082

376.993+/-0.000 χ^2/NDF : 9307707839273.0/23

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.384 $\pm$ 0.000 χ^2/NDF : 231306.2/5

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 9601959.4/19

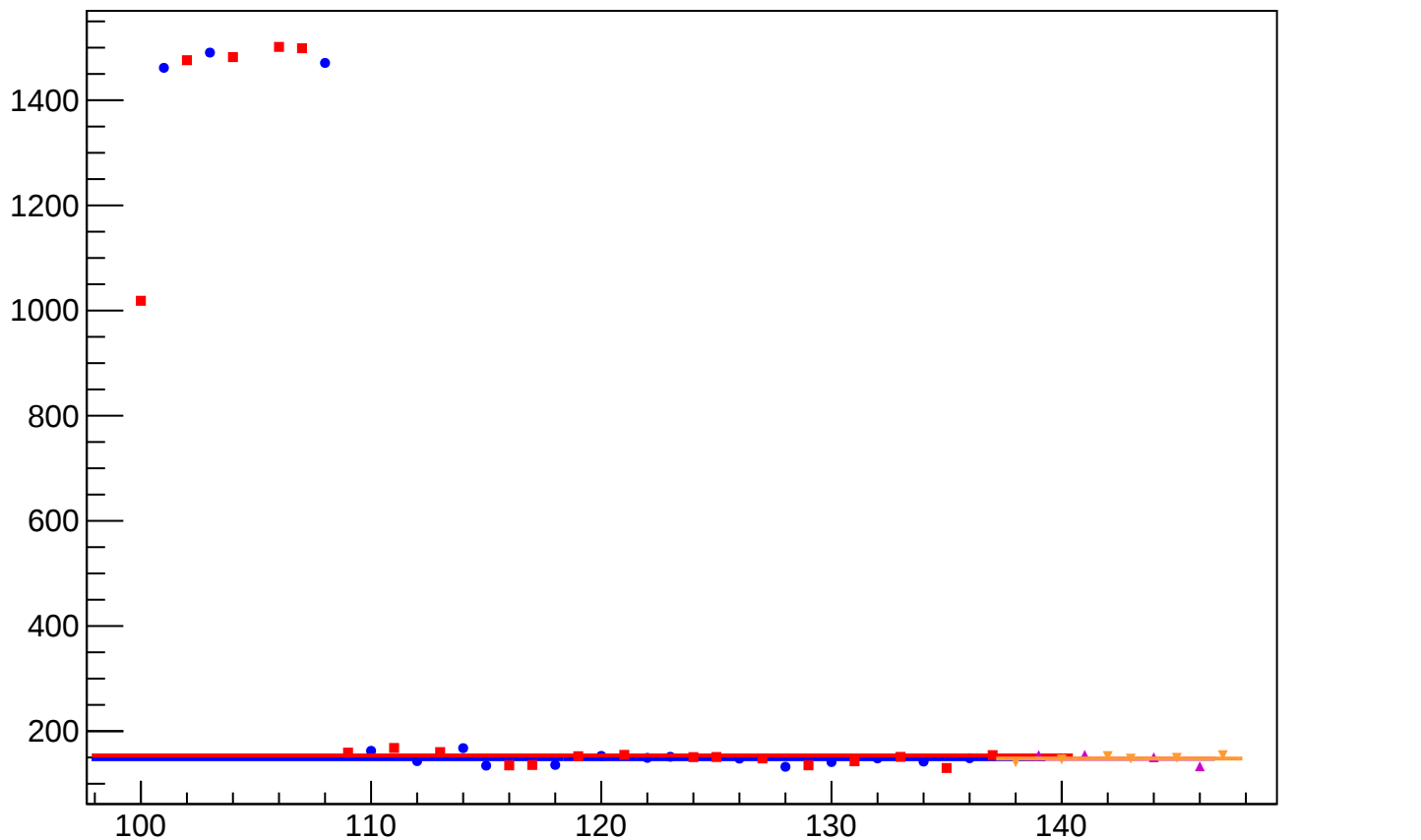
Left In: 0.396 $\pm$ 0.000 χ^2/NDF : 219119.2/3

0.009 $\pm$ 0.000 χ^2/NDF : 17423196.6/22

0.009 $\pm$ 0.000 χ^2/NDF : 33012205.3/46

0.009 $\pm$ 0.000 χ^2/NDF : 15588366.0/23

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 147.954+/-0.001 χ^2/NDF : 76010039.9/5

Right Out: 153.818+/-0.000 χ^2/NDF : 33744777744.4/19

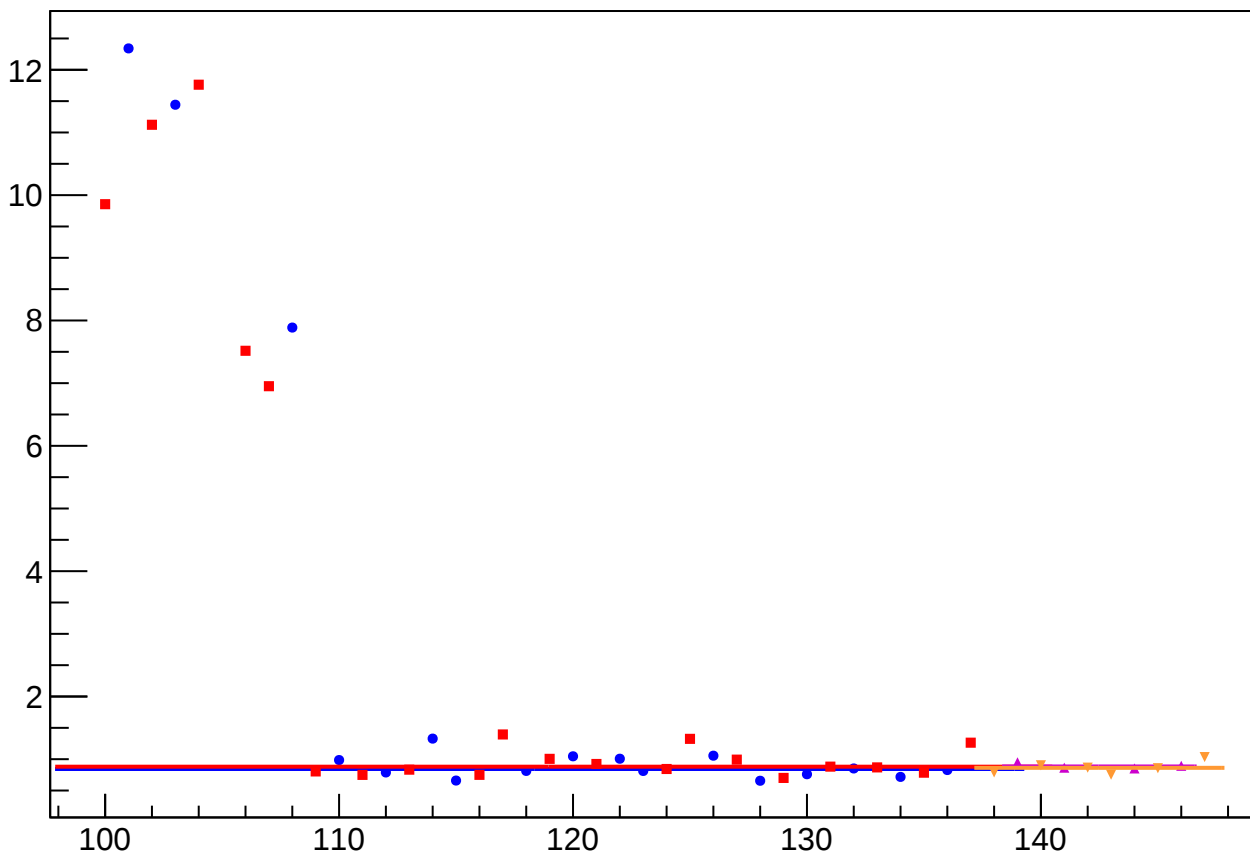
Left In: 147.511+/-0.001 χ^2/NDF : 256490508.1/3

147.245+/-0.000 χ^2/NDF : 24430325512.2/22

149.261+/-0.000 χ^2/NDF : 58589222716.4

151.487+/-0.000 χ^2/NDF : 34079357786.2/23

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.844+/-0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.862+/-0.000 χ^2/NDF :65369.5/5

Right Out: 0.880+/-0.000 χ^2/NDF : 2823230.1/19

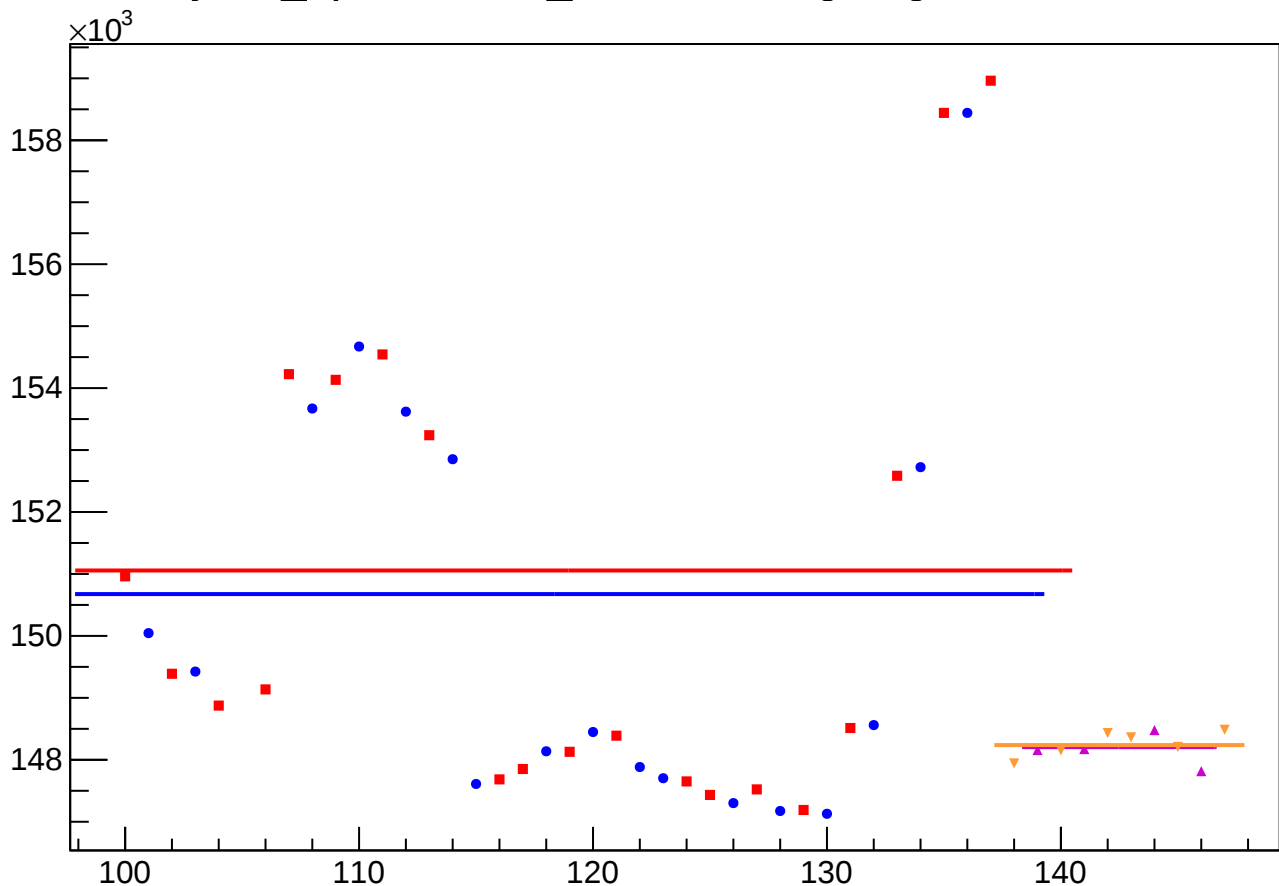
Left In: 0.884+/-0.000 χ^2/NDF :7215.3/3

0.851+/-0.000 χ^2/NDF : 2737381.0/22

0.866+/-0.000 χ^2/NDF : 5575904.6/46

0.882+/-0.000 χ^2/NDF : 2830493.6/23

yield_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 150675.025 $\pm$ 0.063 χ^2 /NDF: 3309974859.4/16

Left Out: 148237.796 $\pm$ 0.093 χ^2 /NDF: 3963291.2/5

Right Out: 151056.044 $\pm$ 0.059 χ^2 /NDF: 3325519080.9/19

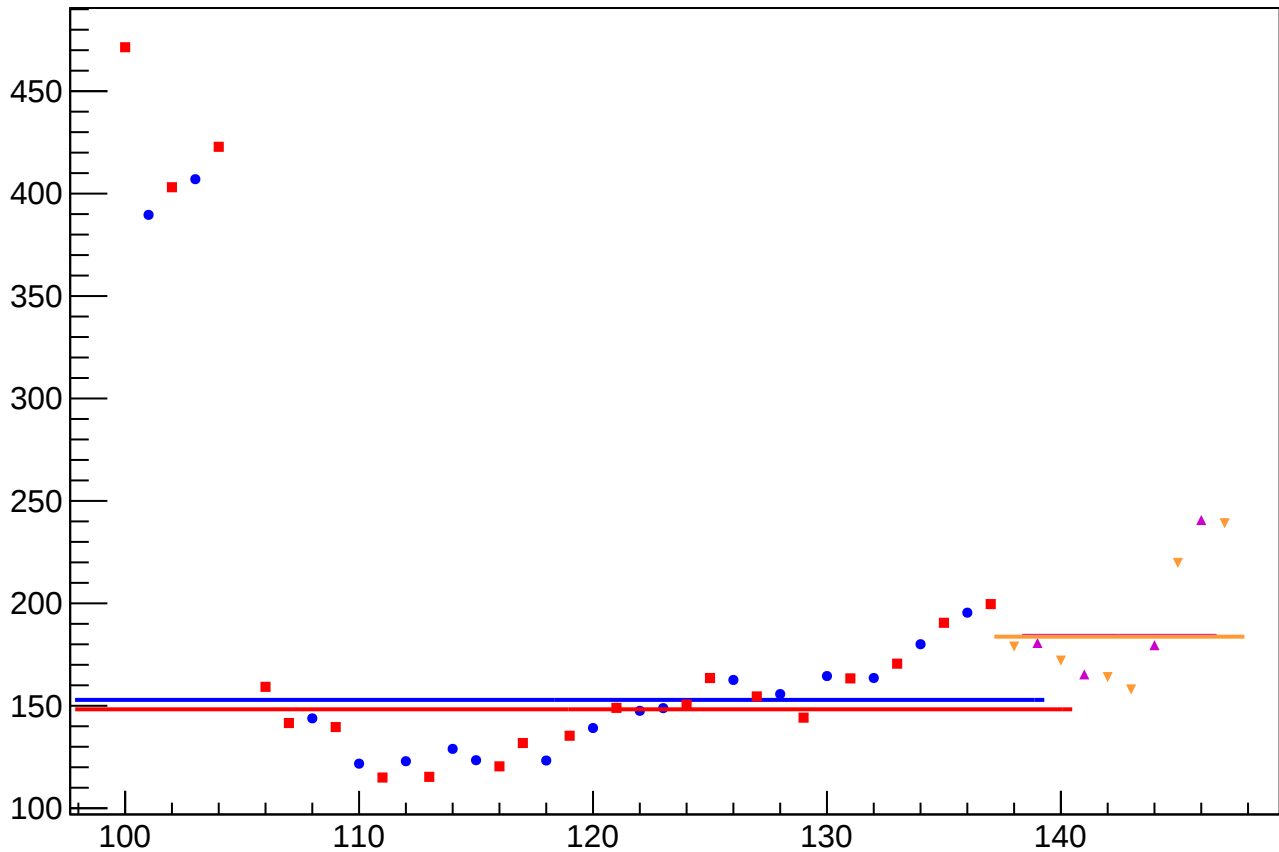
Left In: 148204.744 $\pm$ 0.105 χ^2 /NDF: 4109234.0/3

149903.760 $\pm$ 0.052 χ^2 /NDF: 3788125703.9/22

150134.047 $\pm$ 0.037 χ^2 /NDF: 771743626

150361.133 $\pm$ 0.052 χ^2 /NDF: 3890439821.6/23

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 152.883 $\pm$ 0.045 χ^2 /NDF: 1154088.7/16

Left Out: 183.739 $\pm$ 0.065 χ^2 /NDF:176003.4/5

Right Out: 148.278 $\pm$ 0.042 χ^2 /NDF: 1192879.8/19

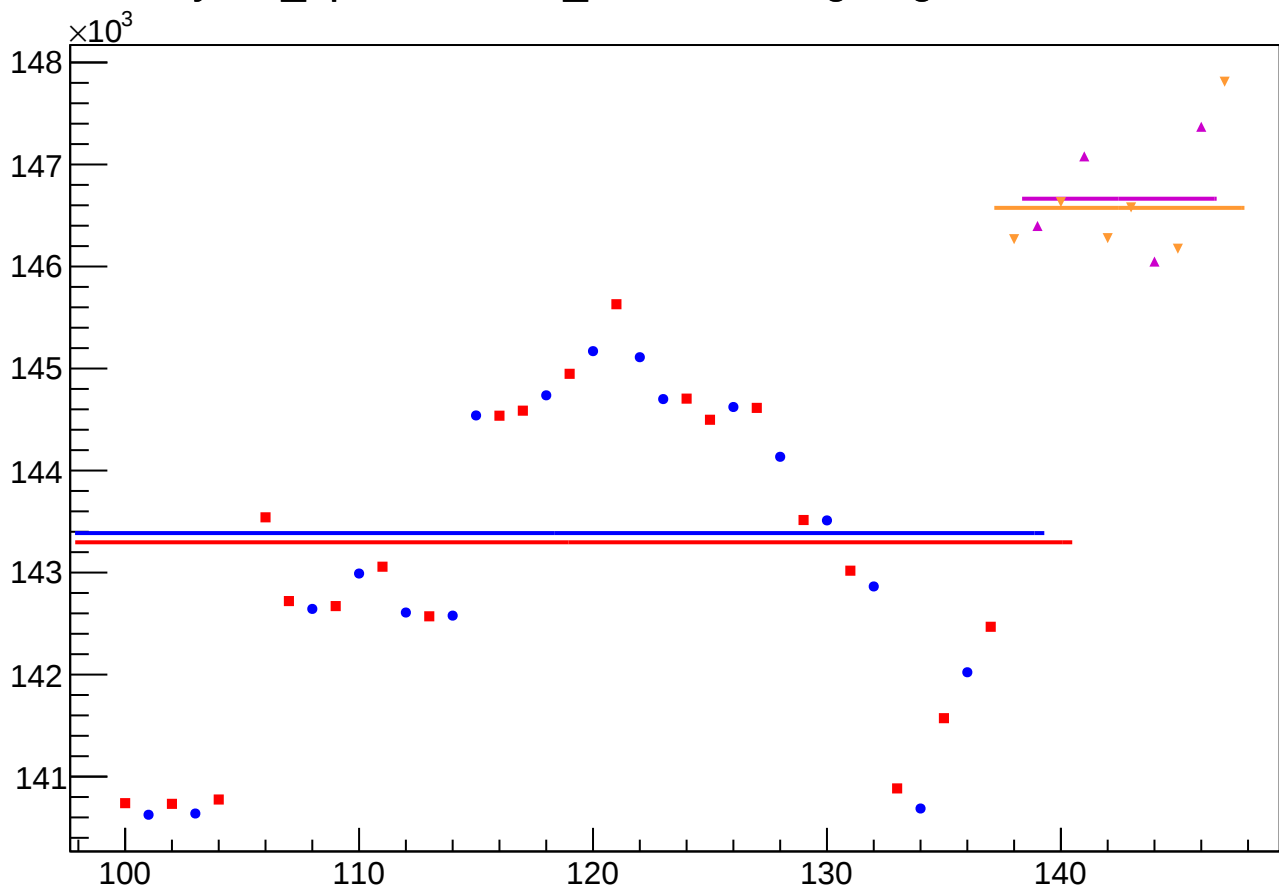
Left In: 184.140 $\pm$ 0.074 χ^2 /NDF:110149.3/3

162.648 $\pm$ 0.037 χ^2 /NDF: 1482102.5/22

159.813 $\pm$ 0.026 χ^2 /NDF: 2974338.3/46

157.018 $\pm$ 0.037 χ^2 /NDF: 1480459.6/23

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 143387.099 $\pm$ 0.053 χ^2 /NDF: 521299875.7/16

Left Out: 146574.841 $\pm$ 0.092 χ^2 /NDF: 26007086.5/5

Right Out: 143296.790 $\pm$ 0.049 χ^2 /NDF: 615134284.0/19

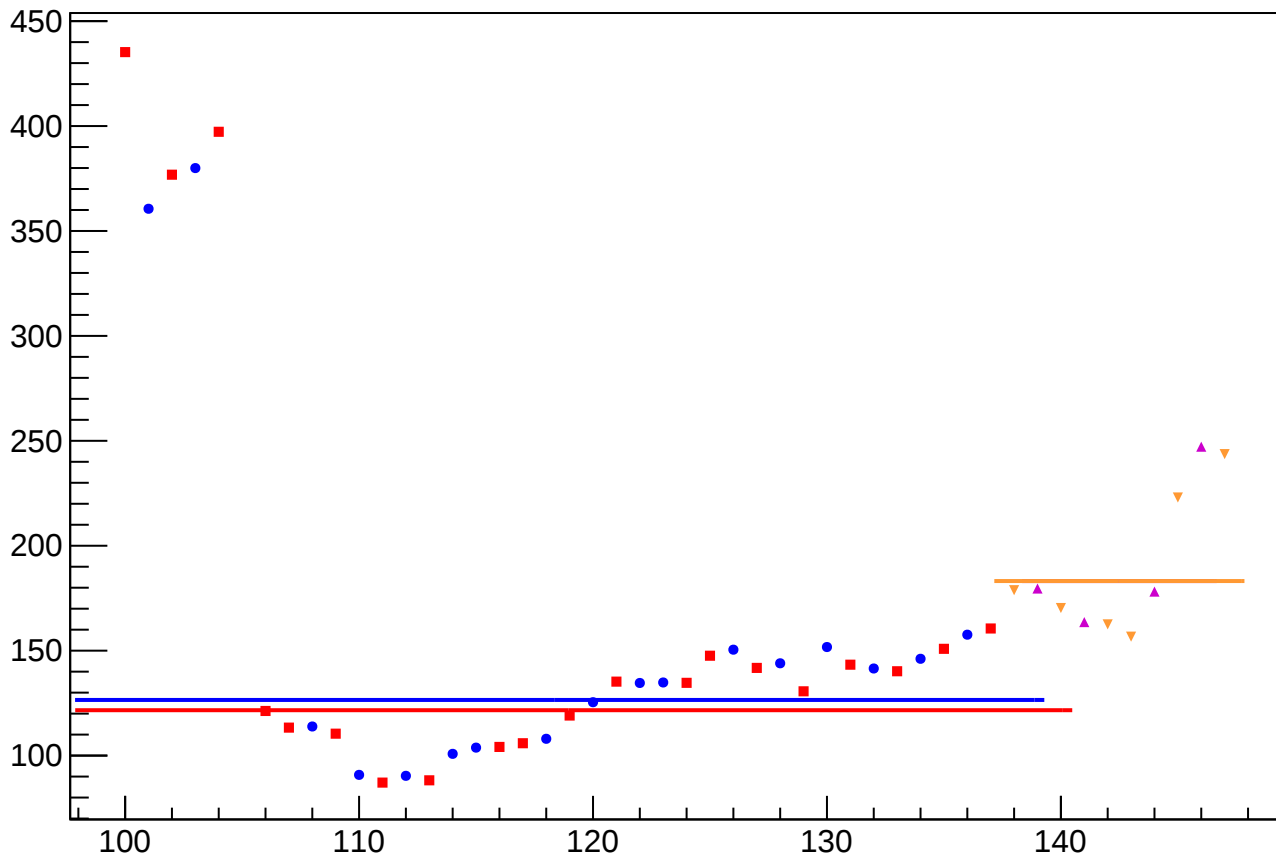
Left In: 146664.546 $\pm$ 0.104 χ^2 /NDF: 23396760.5/3

144169.373 $\pm$ 0.046 χ^2 /NDF: 1444377954.7/22

144031.347 $\pm$ 0.032 χ^2 /NDF: 295439734

143902.441 $\pm$ 0.044 χ^2 /NDF: 1492455145.7/23

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 126.514 +/- 0.037 χ^2/NDF : 1441685.0/16

Left Out: 183.175 +/- 0.065 χ^2/NDF : 200687.7/5

Right Out: 121.625 +/- 0.035 χ^2/NDF : 1465763.8/19

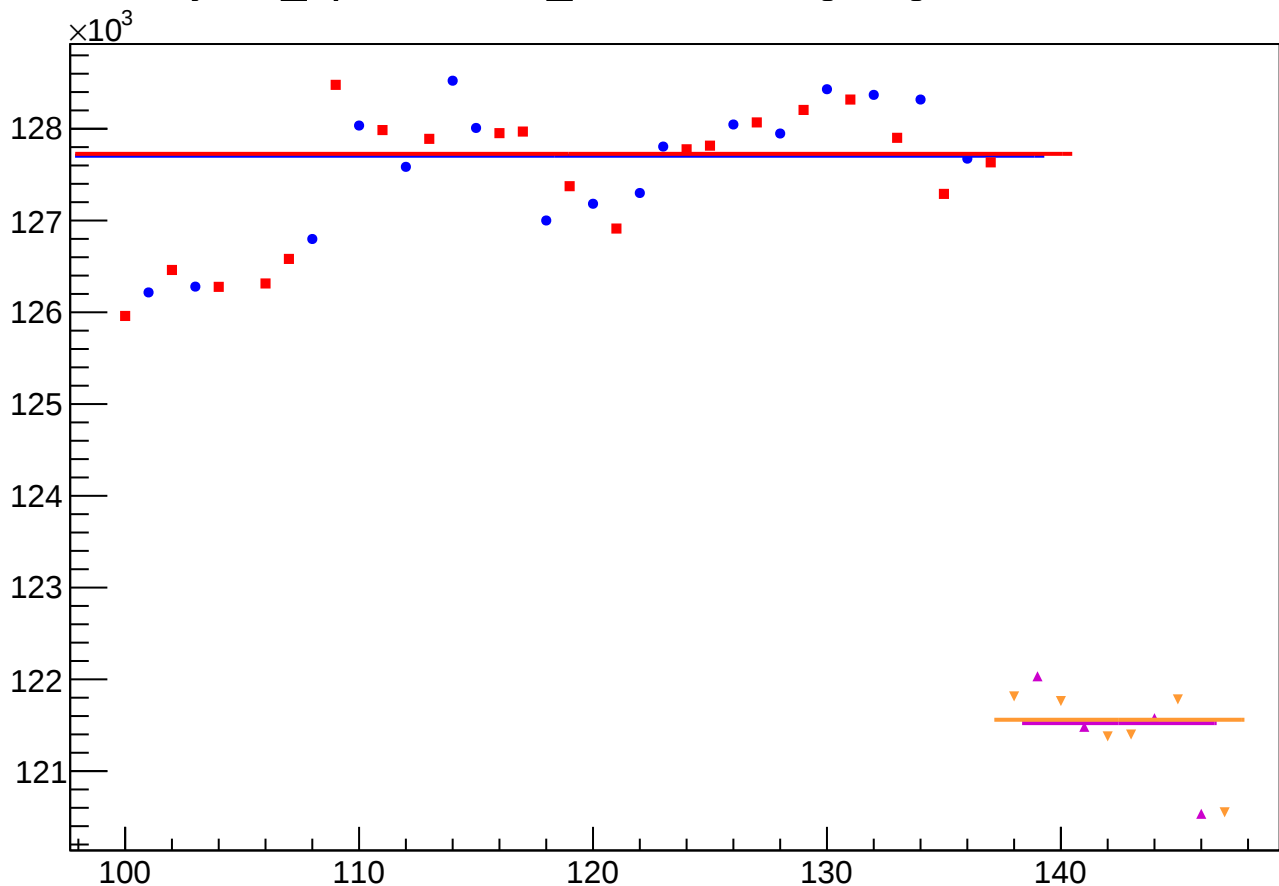
Left In: 183.167 +/- 0.074 χ^2/NDF : 130976.1/3

140.419 +/- 0.032 χ^2/NDF : 2209221.2/22

136.424 +/- 0.023 χ^2/NDF : 4405688.7/46

132.693 +/- 0.031 χ^2/NDF : 2167039.7/23

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127706.194 ± 0.058 $\chi^2/\text{NDF}: 97860521.1/16$

Left Out: 121559.691 ± 0.080 $\chi^2/\text{NDF}: 18028106.7/5$

Right Out: 127726.708 ± 0.054 $\chi^2/\text{NDF}: 112816704.3/19$

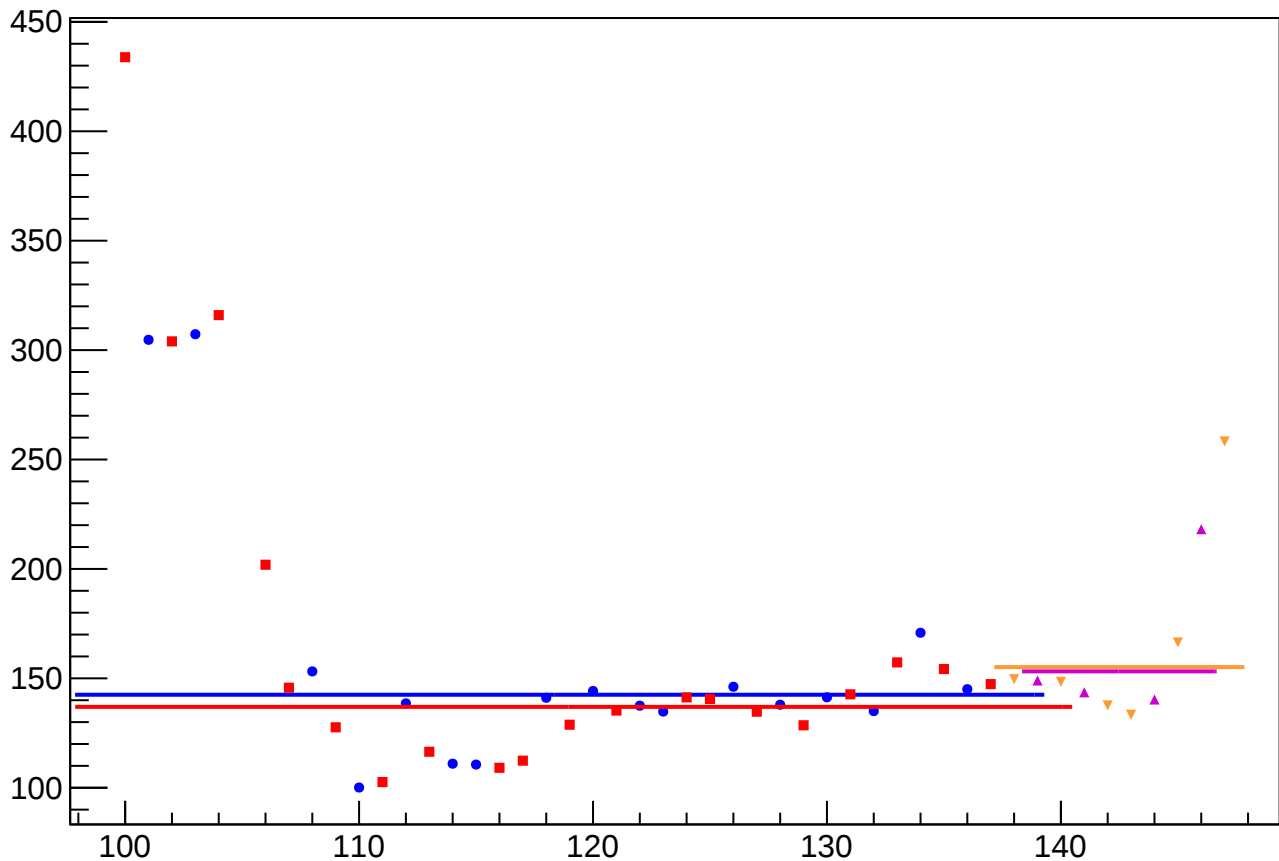
Left In: 121522.943 ± 0.088 $\chi^2/\text{NDF}: 23953373.2/3$

125573.289 ± 0.047 $\chi^2/\text{NDF}: 4005054066.1/23$

125798.053 ± 0.033 $\chi^2/\text{NDF}: 779315592$

126015.720 ± 0.046 $\chi^2/\text{NDF}: 3742924304.9/23$

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.502 +/- 0.041 χ^2/NDF : 836263.7/16

Left Out: 155.139 +/- 0.056 χ^2/NDF : 301038.1/5

Right Out: 136.963 +/- 0.038 χ^2/NDF : 961465.0/19

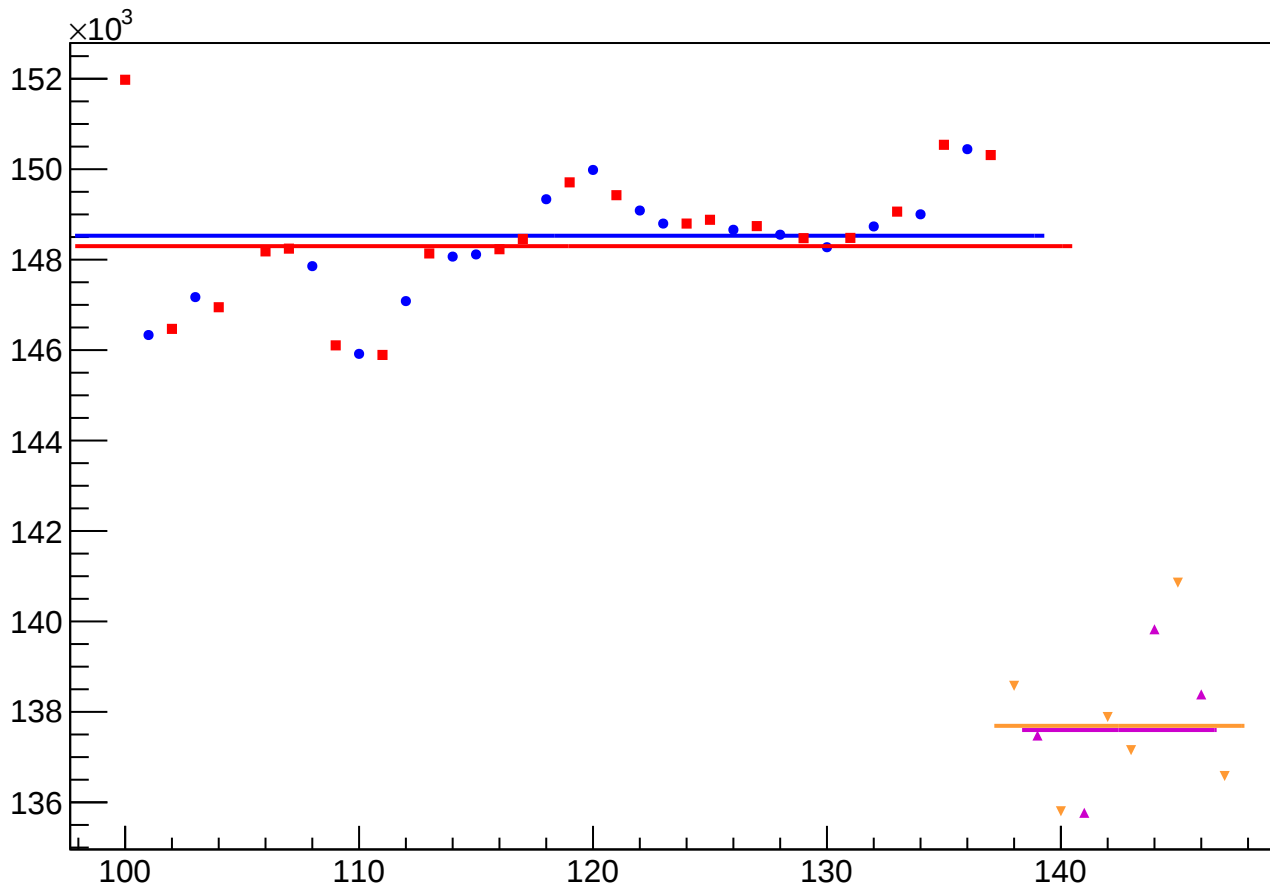
Left In: 153.188 +/- 0.062 χ^2/NDF : 159957.6/3

146.887 +/- 0.033 χ^2/NDF : 1170184.2/22

144.119 +/- 0.023 χ^2/NDF : 2354643.5/46

141.438 +/- 0.033 χ^2/NDF : 1170753.8/23

yield_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 148528.851 $\pm$ 0.082 χ^2 /NDF: 209986594.2/16

Left Out: 137691.551 $\pm$ 0.121 χ^2 /NDF: 185788956.2/5

Right Out: 148298.586 $\pm$ 0.076 χ^2 /NDF: 293284830.9/19

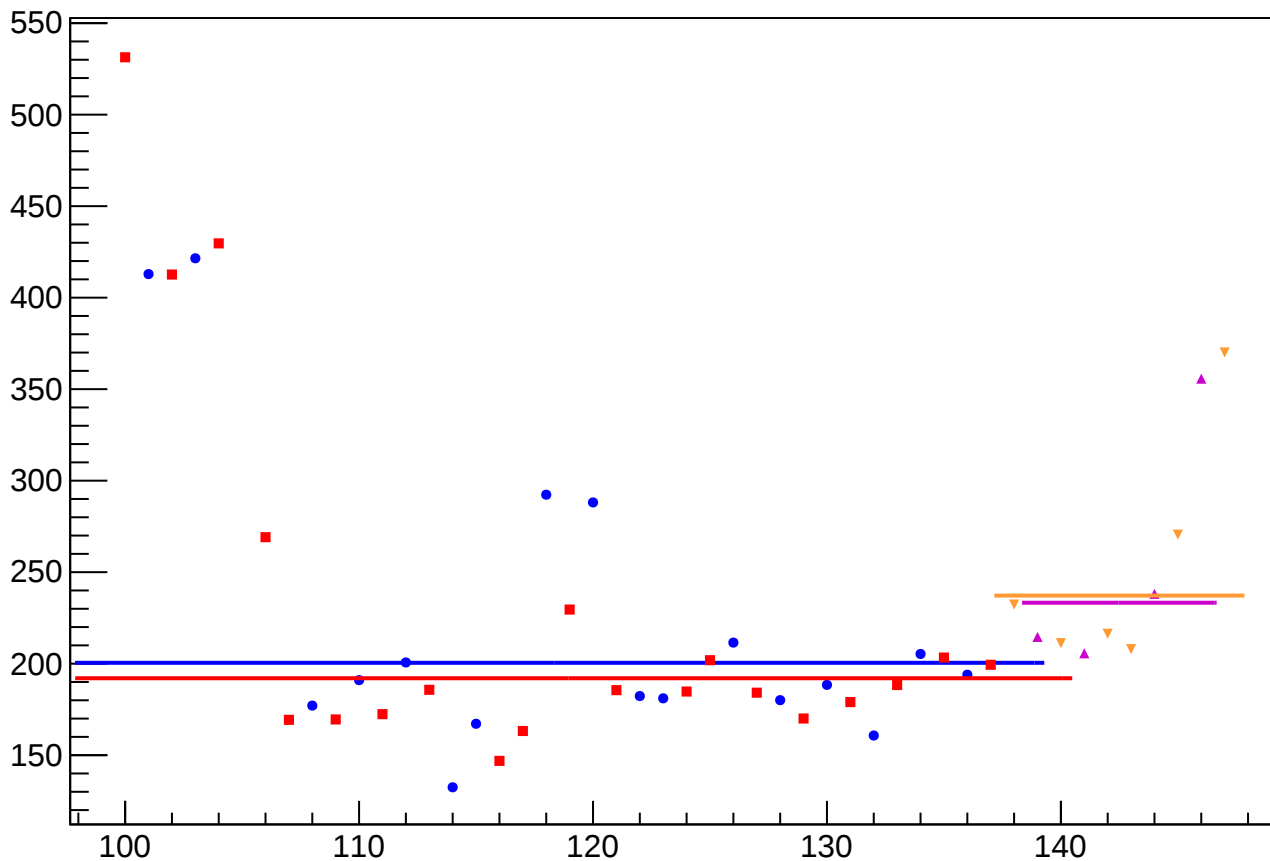
Left In: 137598.568 $\pm$ 0.134 χ^2 /NDF: 144311955.3/3

145103.840 $\pm$ 0.068 χ^2 /NDF: 5906470621.1/23

145409.343 $\pm$ 0.047 χ^2 /NDF: 111897223

145699.833 $\pm$ 0.066 χ^2 /NDF: 5243728721.7/23

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 200.472 $\pm$ 0.058 χ^2 /NDF: 936547.2/16

Left Out: 237.213 $\pm$ 0.085 χ^2 /NDF: 276565.2/5

Right Out: 192.040 $\pm$ 0.054 χ^2 /NDF: 847133.0/19

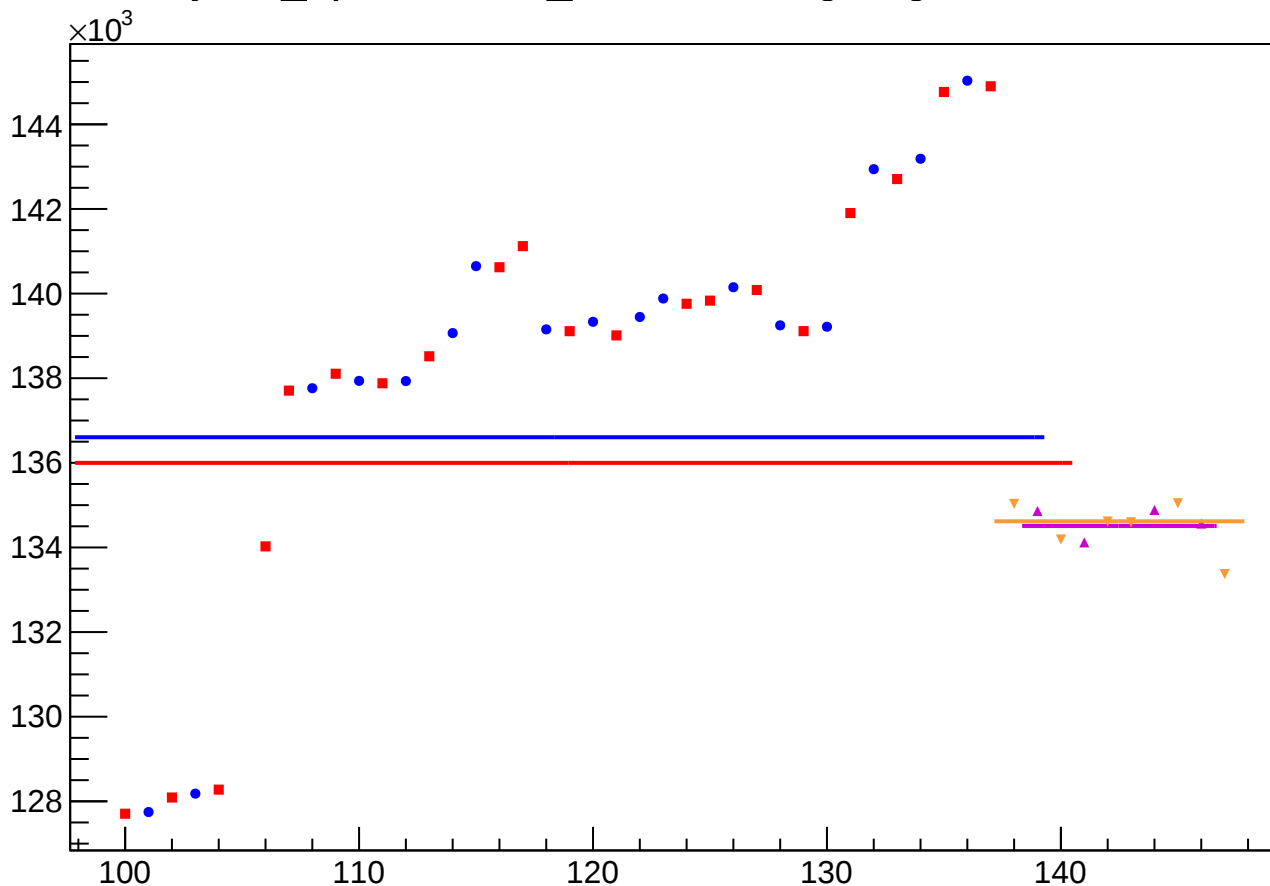
Left In: 233.308 $\pm$ 0.095 χ^2 /NDF: 224371.2/3

212.084 $\pm$ 0.048 χ^2 /NDF: 1339789.5/22

206.947 $\pm$ 0.034 χ^2 /NDF: 2576618.5/46

202.063 $\pm$ 0.047 χ^2 /NDF: 1214483.5/23

yield_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16

Left Out: 134618.022 $\pm$ 0.272 χ^2 /NDF: 3254860.7/5

Right Out: 135998.851 $\pm$ 0.182 χ^2 /NDF: 1084895879.4/19

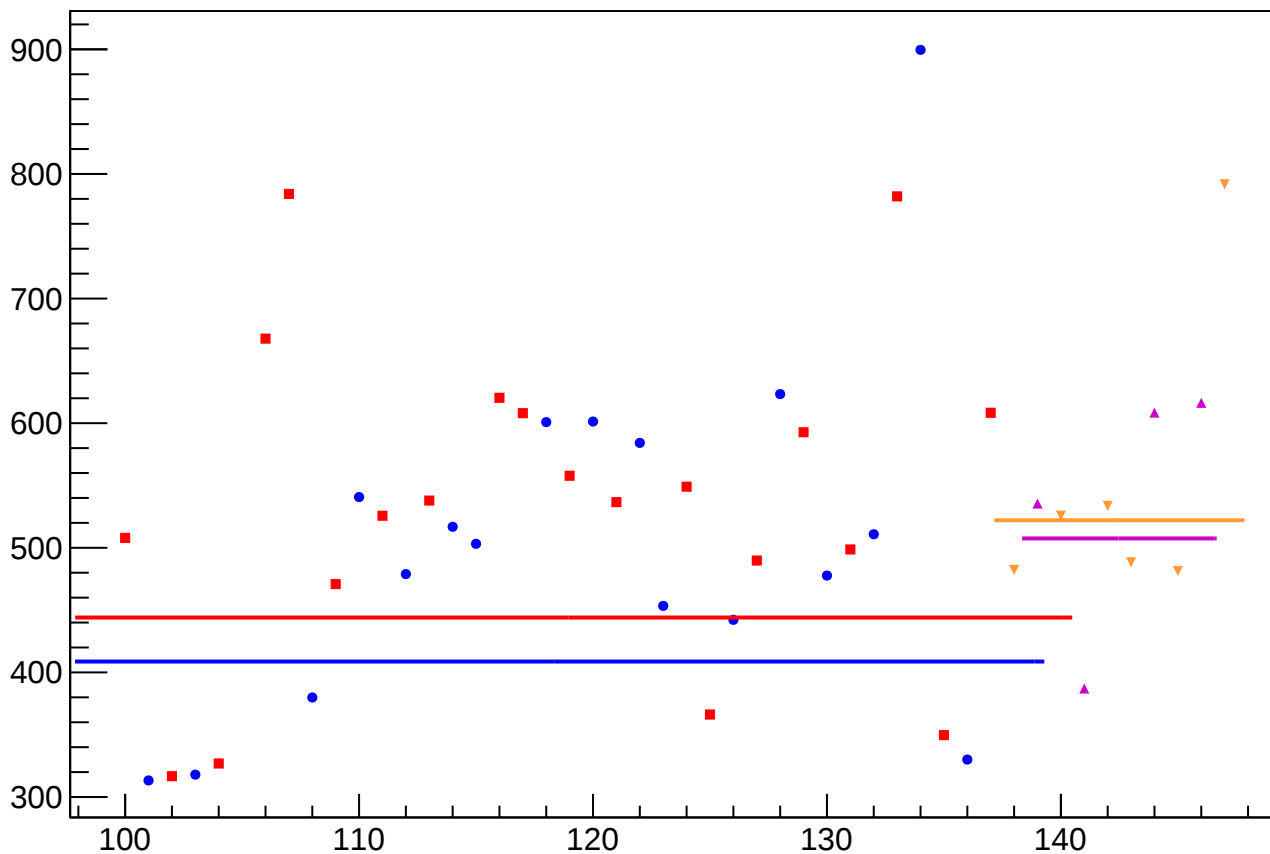
Left In: 134508.193 $\pm$ 0.317 χ^2 /NDF: 1143207.5/3

136039.347 $\pm$ 0.145 χ^2 /NDF: 1535818120.5/22

135851.197 $\pm$ 0.107 χ^2 /NDF: 264217318

135627.645 $\pm$ 0.158 χ^2 /NDF: 1102671302.5/23

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 408.729 $\pm$ 0.121 χ^2 /NDF: 823262.8/16

Left Out: 522.080 $\pm$ 0.192 χ^2 /NDF:186449.4/5

Right Out: 444.034 $\pm$ 0.129 χ^2 /NDF: 922545.8/19

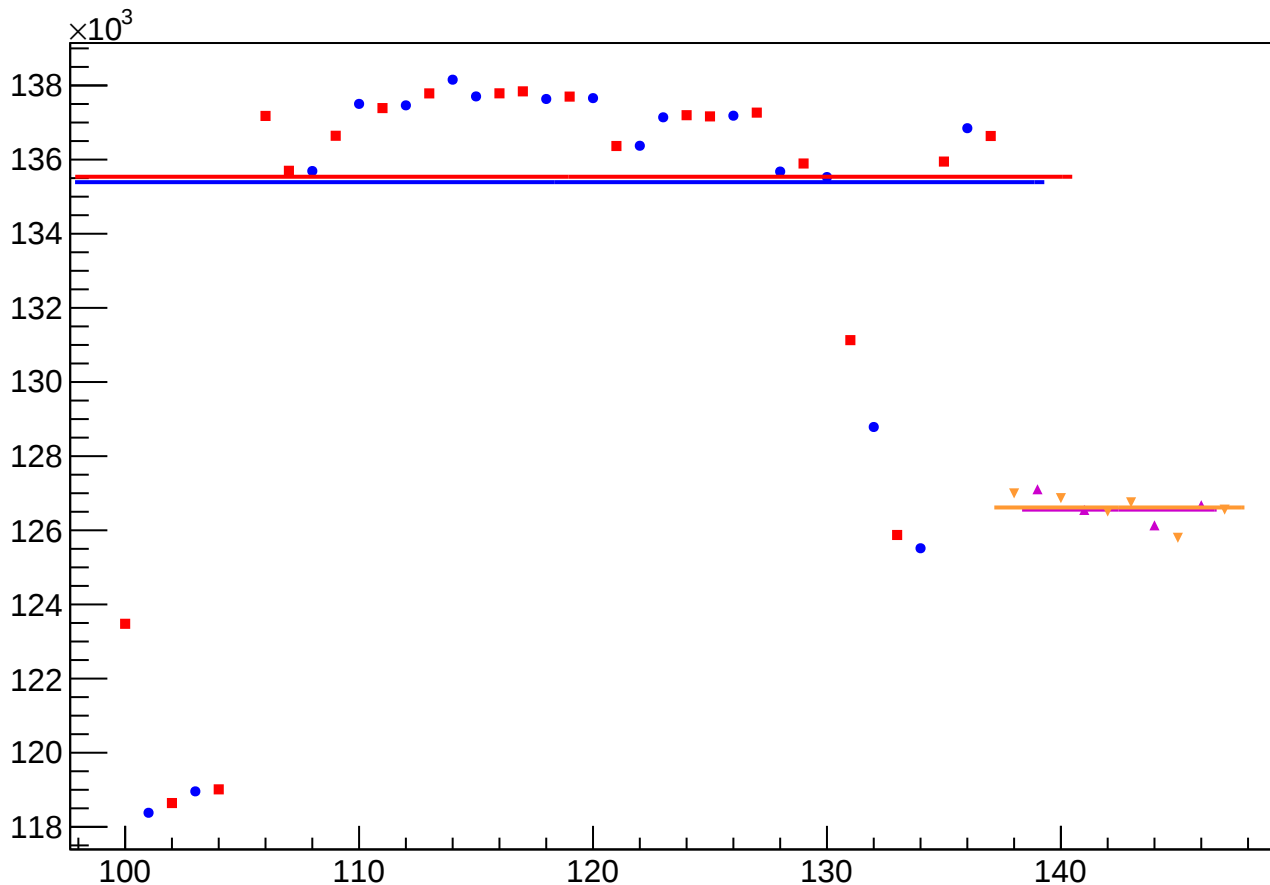
Left In: 507.507 $\pm$ 0.224 χ^2 /NDF:210525.5/3

440.983 $\pm$ 0.103 χ^2 /NDF: 1258489.4/22

449.601 $\pm$ 0.076 χ^2 /NDF: 2467329.5/46

459.840 $\pm$ 0.112 χ^2 /NDF: 1193383.8/23

yield_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16

Left Out: 126615.703 $\pm$ 0.087 χ^2 /NDF: 21431670.6/5

Right Out: 135537.290 $\pm$ 0.064 χ^2 /NDF: 4748951957.4/19

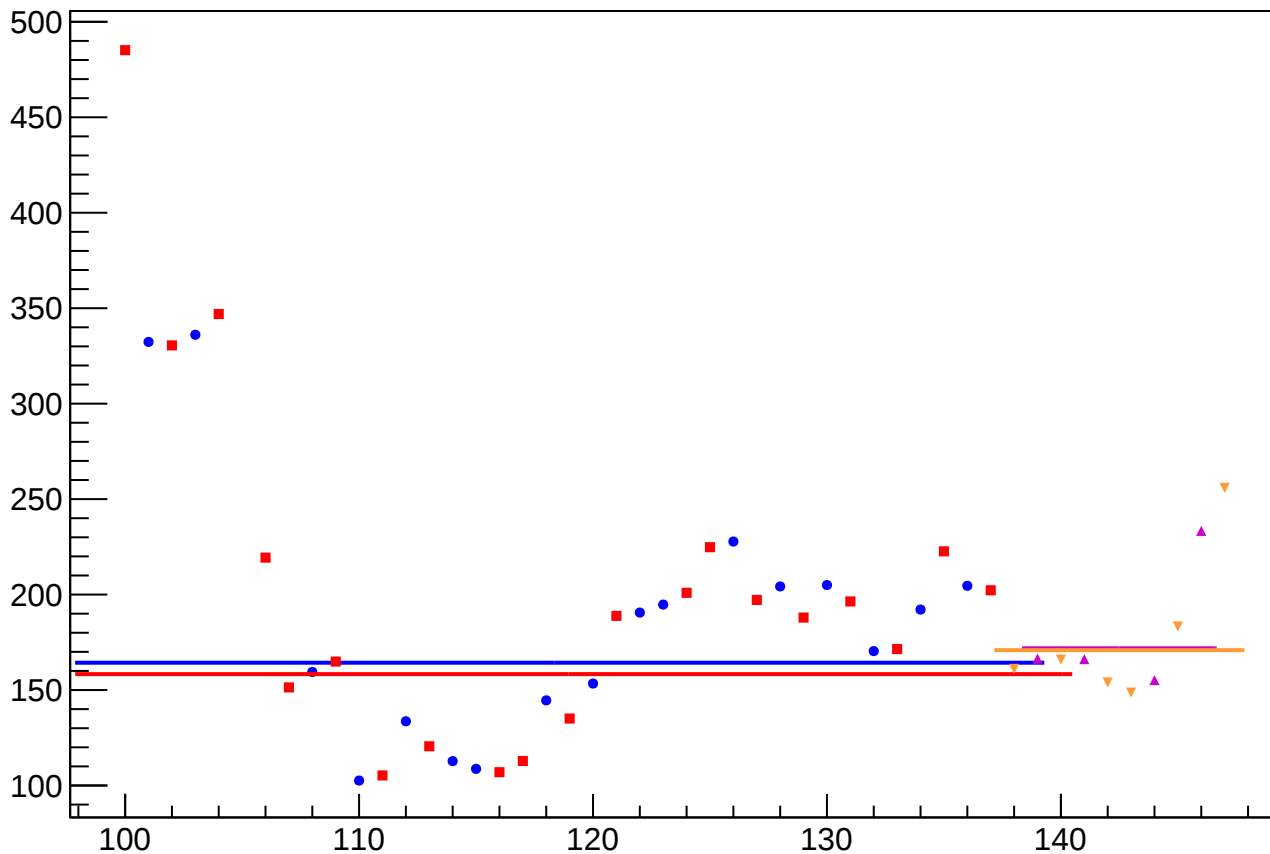
Left In: 126557.628 $\pm$ 0.098 χ^2 /NDF: 13856924.8/3

132032.535 $\pm$ 0.054 χ^2 /NDF: 10927083859.1/2

132445.203 $\pm$ 0.038 χ^2 /NDF: 216954499

132856.684 $\pm$ 0.054 χ^2 /NDF: 10650126020.1/2

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 164.311 $\pm$ 0.048 χ^2/NDF : 1230487.8/16

Left Out: 170.878 $\pm$ 0.061 χ^2/NDF : 220962.0/5

Right Out: 158.336 $\pm$ 0.045 χ^2/NDF : 1398323.7/19

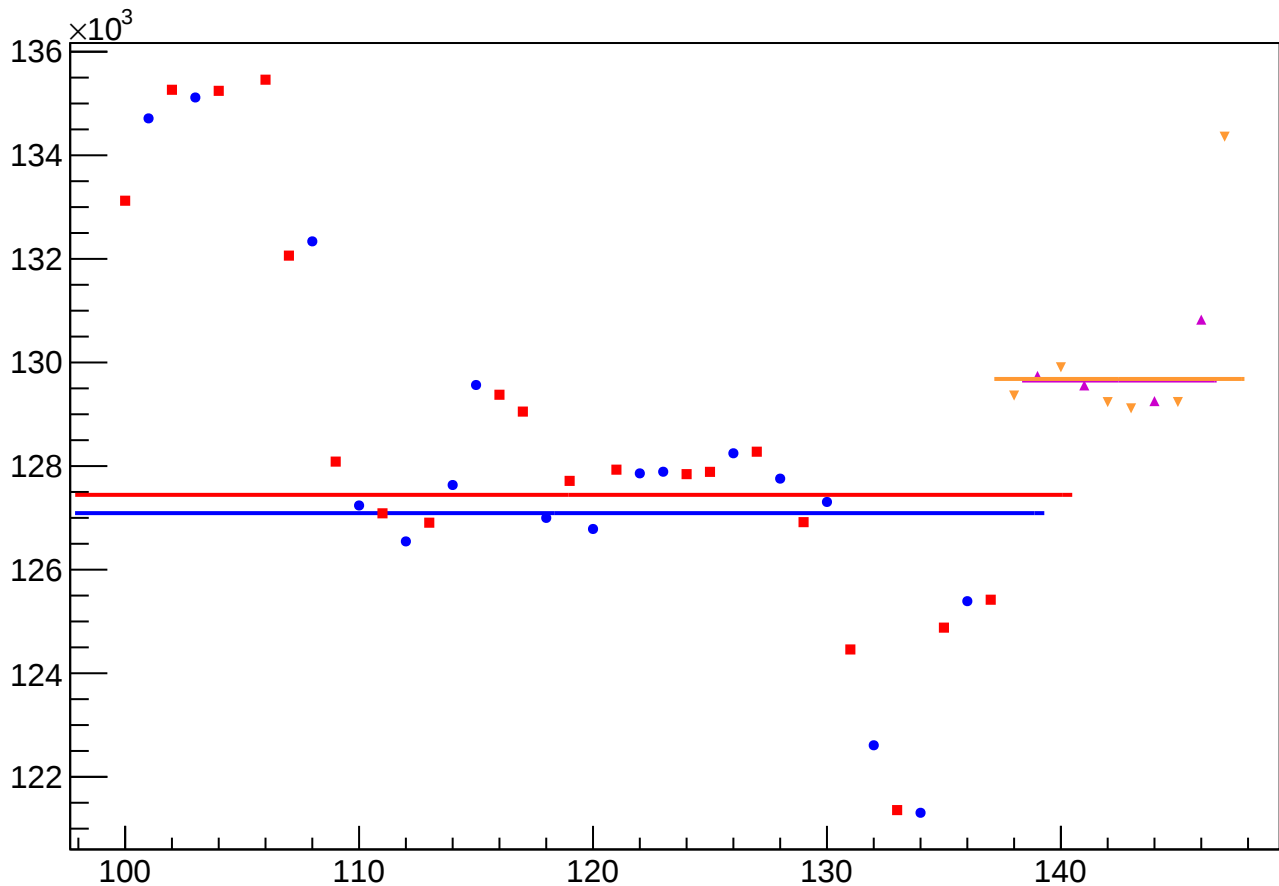
Left In: 171.859 $\pm$ 0.069 χ^2/NDF : 131749.6/3

166.825 $\pm$ 0.038 χ^2/NDF : 1458532.8/22

164.596 $\pm$ 0.027 χ^2/NDF : 3022207.3/46

162.373 $\pm$ 0.038 χ^2/NDF : 1556776.2/23

yield_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 127091.500 $\pm$ 0.066 χ^2/NDF : 1717208780.6/16

Left Out: 129681.975 $\pm$ 0.087 χ^2/NDF : 191951306.0/5

Right Out: 127444.472 $\pm$ 0.061 χ^2/NDF : 2082646787.7/19

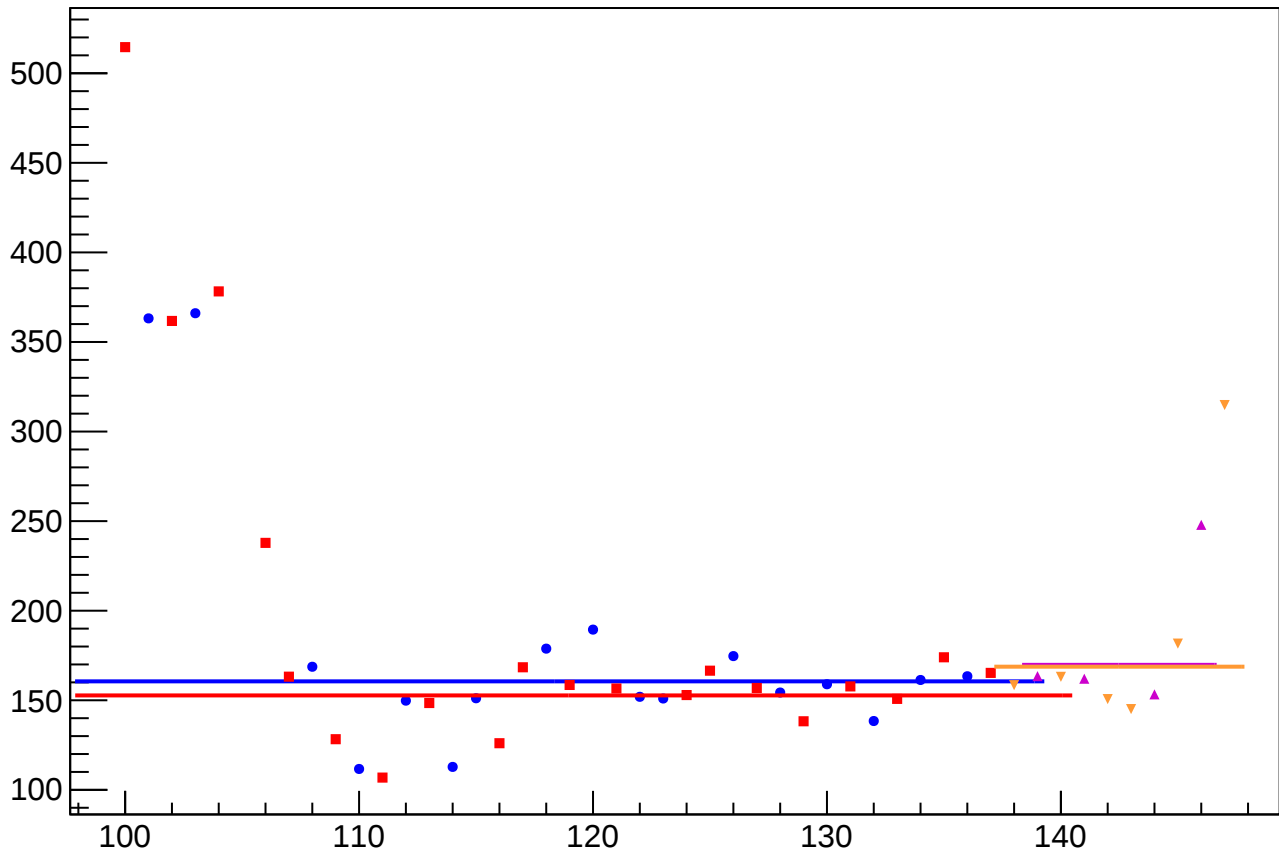
Left In: 129651.492 $\pm$ 0.097 χ^2/NDF : 23763154.9/3

128046.817 $\pm$ 0.053 χ^2/NDF : 2472089103.9/22

128060.118 $\pm$ 0.037 χ^2/NDF : 494677870.0/10

128073.037 $\pm$ 0.052 χ^2/NDF : 2474563917.8/23

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 160.564 ± 0.047 $\chi^2/\text{NDF}: 942747.0/16$

Left Out: 168.753 ± 0.061 $\chi^2/\text{NDF}: 390754.1/5$

Right Out: 152.711 ± 0.043 $\chi^2/\text{NDF}: 1087186.3/19$

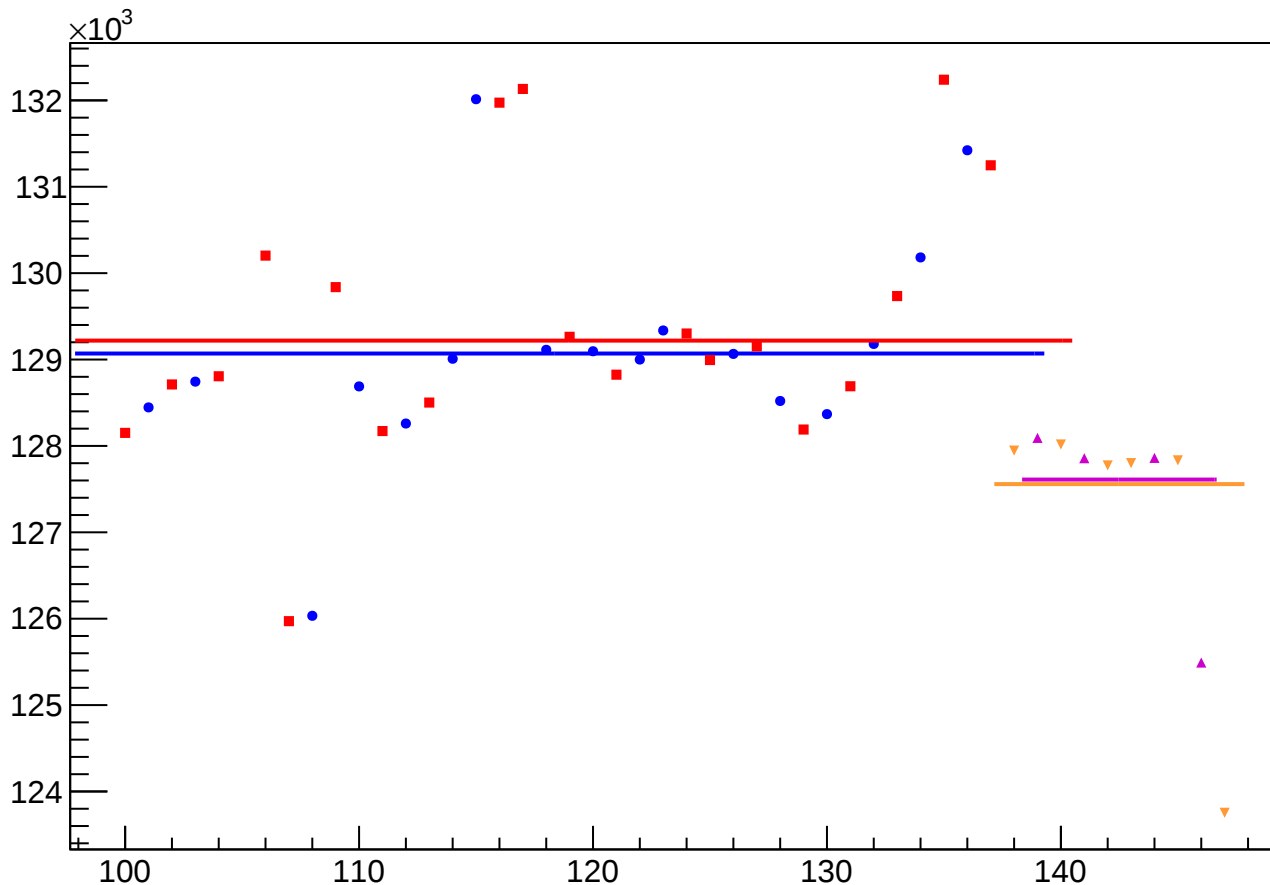
Left In: 169.776 ± 0.069 $\chi^2/\text{NDF}: 181024.7/3$

163.584 ± 0.037 $\chi^2/\text{NDF}: 1344752.7/22$

160.534 ± 0.026 $\chi^2/\text{NDF}: 2670210.3/46$

157.571 ± 0.037 $\chi^2/\text{NDF}: 1312236.7/23$

yield_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: 129069.668 $\pm$ 0.060 χ^2 /NDF: 476692316.5/16

Left Out: 127557.952 $\pm$ 0.083 χ^2 /NDF: 182077109.9/5

Right Out: 129219.072 $\pm$ 0.056 χ^2 /NDF: 660468184.1/19

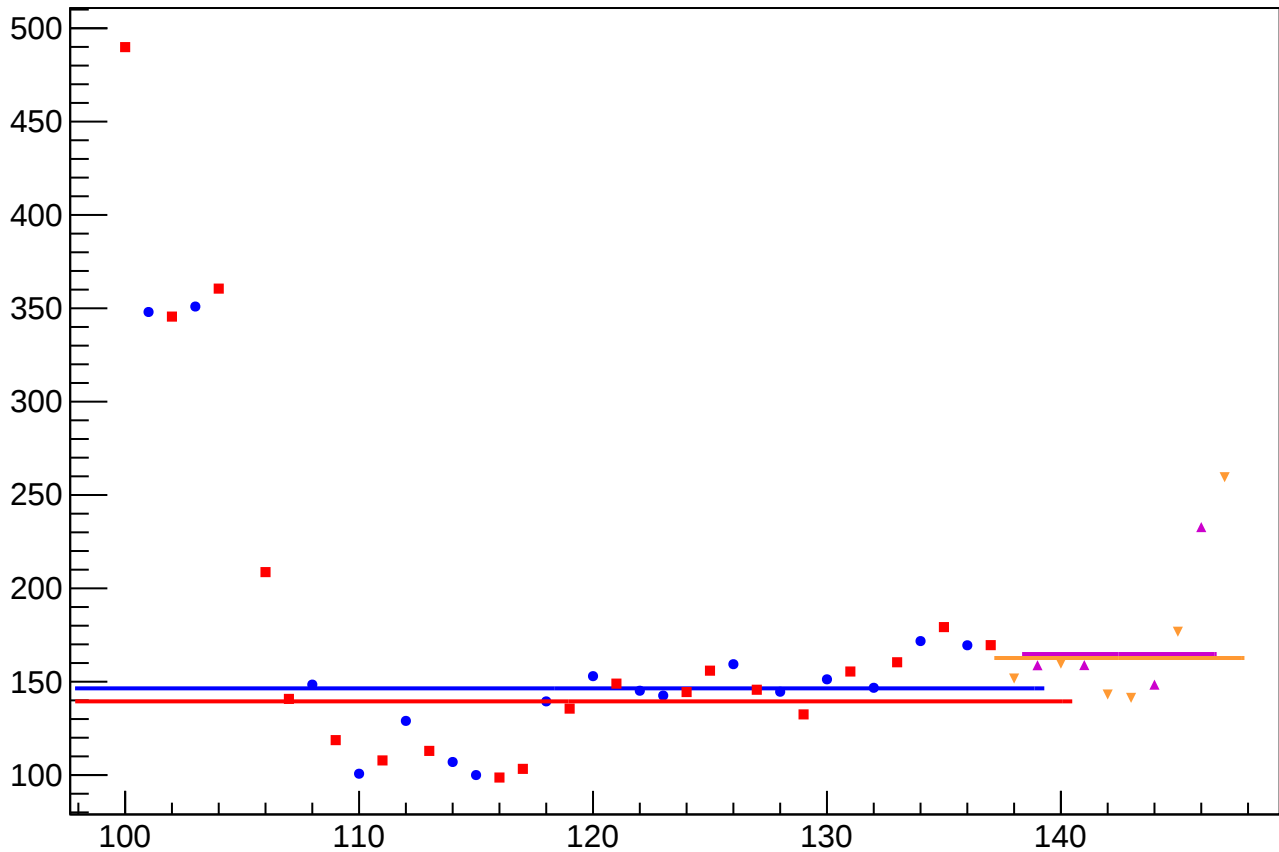
Left In: 127610.588 $\pm$ 0.094 χ^2 /NDF: 75733305.0/3

128547.446 $\pm$ 0.049 χ^2 /NDF: 876823623.8/22

128676.447 $\pm$ 0.034 χ^2 /NDF: 184297817

128801.673 $\pm$ 0.048 χ^2 /NDF: 952315464.2/23

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 146.437 +/- 0.043 χ^2/NDF : 1064791.0/16

Left Out: 162.697 +/- 0.059 χ^2/NDF : 275552.0/5

Right Out: 139.468 +/- 0.039 χ^2/NDF : 1214310.8/19

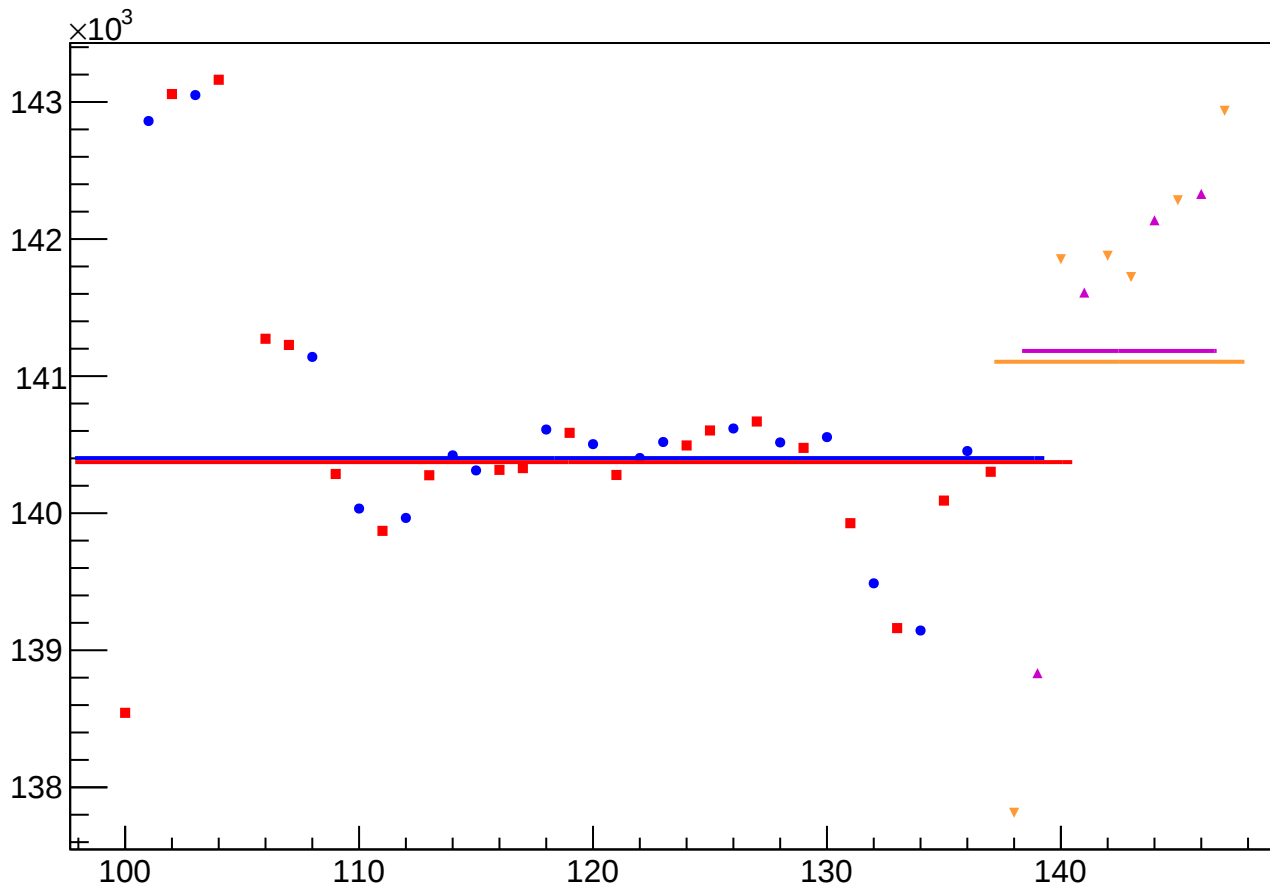
Left In: 164.828 +/- 0.067 χ^2/NDF : 158971.8/3

152.054 +/- 0.034 χ^2/NDF : 1390792.6/22

149.007 +/- 0.024 χ^2/NDF : 2886964.6/46

146.048 +/- 0.034 χ^2/NDF : 1480726.0/23

yield_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 140402.010 $\pm$ 0.064 χ^2 /NDF: 88071774.7/16

Left Out: 141104.830 $\pm$ 0.098 χ^2 /NDF: 325966664.3/5

Right Out: 140372.636 $\pm$ 0.059 χ^2 /NDF: 99861038.9/19

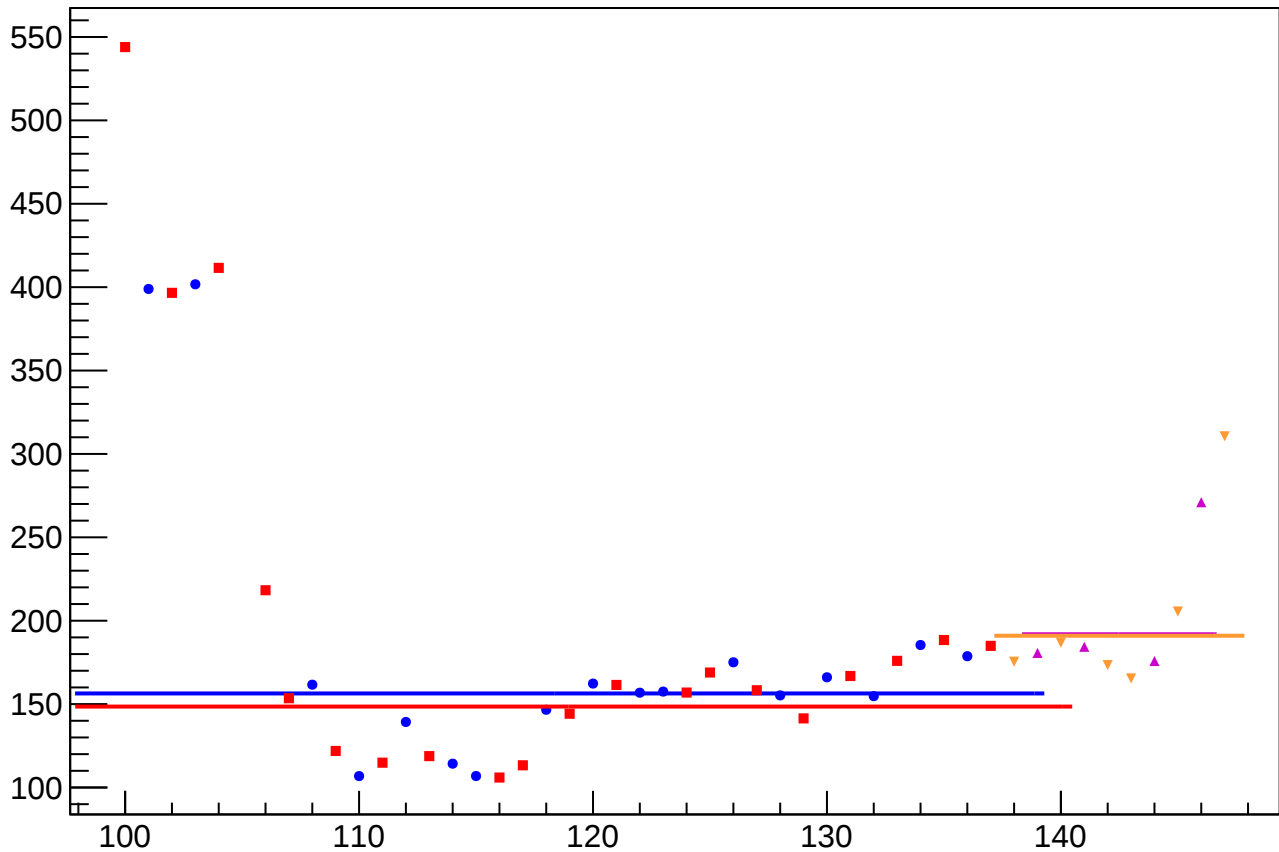
Left In: 141183.666 $\pm$ 0.110 χ^2 /NDF: 156871881.1/3

140614.020 $\pm$ 0.054 χ^2 /NDF: 450024406.3/22

140584.272 $\pm$ 0.038 χ^2 /NDF: 749392233

140556.097 $\pm$ 0.052 χ^2 /NDF: 298771935.1/23

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 156.394+/-0.046 χ^2/NDF : 1154804.2/16

Left Out: 190.993+/-0.069 χ^2/NDF : 285722.4/5

Right Out: 148.524+/-0.042 χ^2/NDF : 1316113.9/19

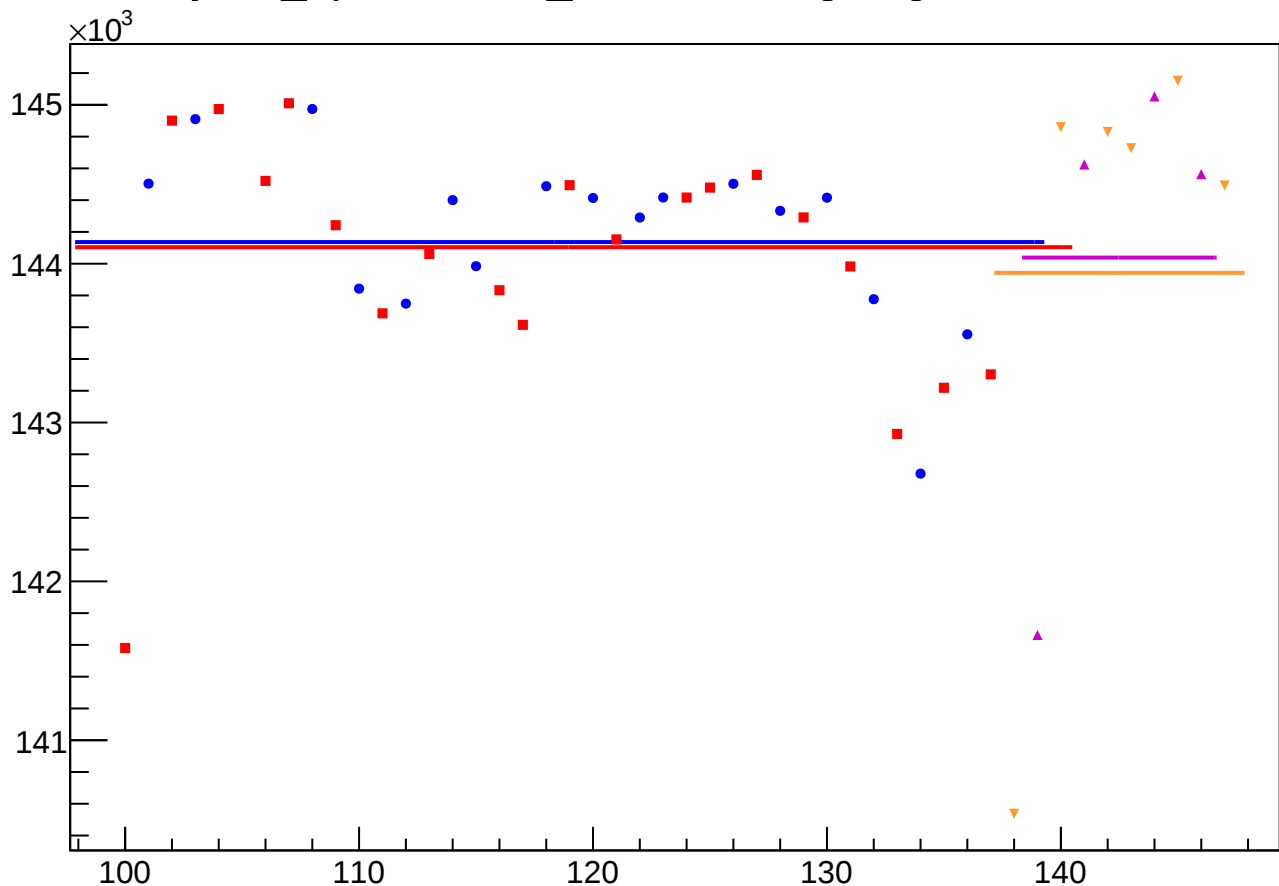
Left In: 191.881+/-0.078 χ^2/NDF : 155860.0/3

166.831+/-0.038 χ^2/NDF : 1614955.8/22

162.466+/-0.027 χ^2/NDF : 3352873.8/46

158.332+/-0.037 χ^2/NDF : 1712258.9/23

yield_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: 144136.118 $\pm$ 0.067 χ^2 /NDF: 47069480.3/16

Left Out: 143942.438 $\pm$ 0.096 χ^2 /NDF: 335565670.4/5

Right Out: 144103.887 $\pm$ 0.062 χ^2 /NDF: 65973087.5/19

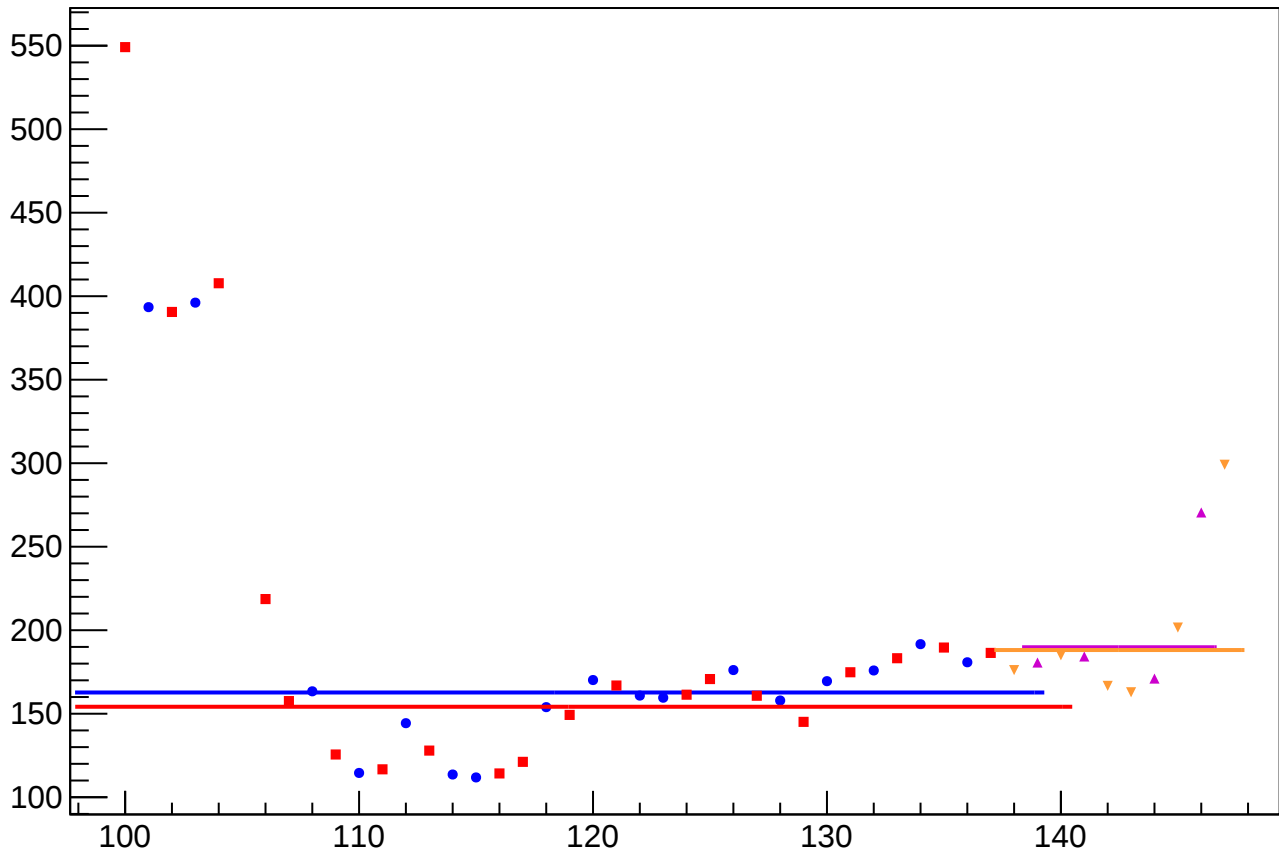
Left In: 144038.402 $\pm$ 0.109 χ^2 /NDF: 157577450.5/3

144073.139 $\pm$ 0.055 χ^2 /NDF: 385371196.8/22

144080.760 $\pm$ 0.038 χ^2 /NDF: 609233890

144088.025 $\pm$ 0.054 χ^2 /NDF: 223824986.2/23

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 162.714 +/- 0.047 χ^2/NDF : 1066482.0/16

Left Out: 188.132 +/- 0.068 χ^2/NDF : 268954.3/5

Right Out: 154.174 +/- 0.044 χ^2/NDF : 1224004.2/19

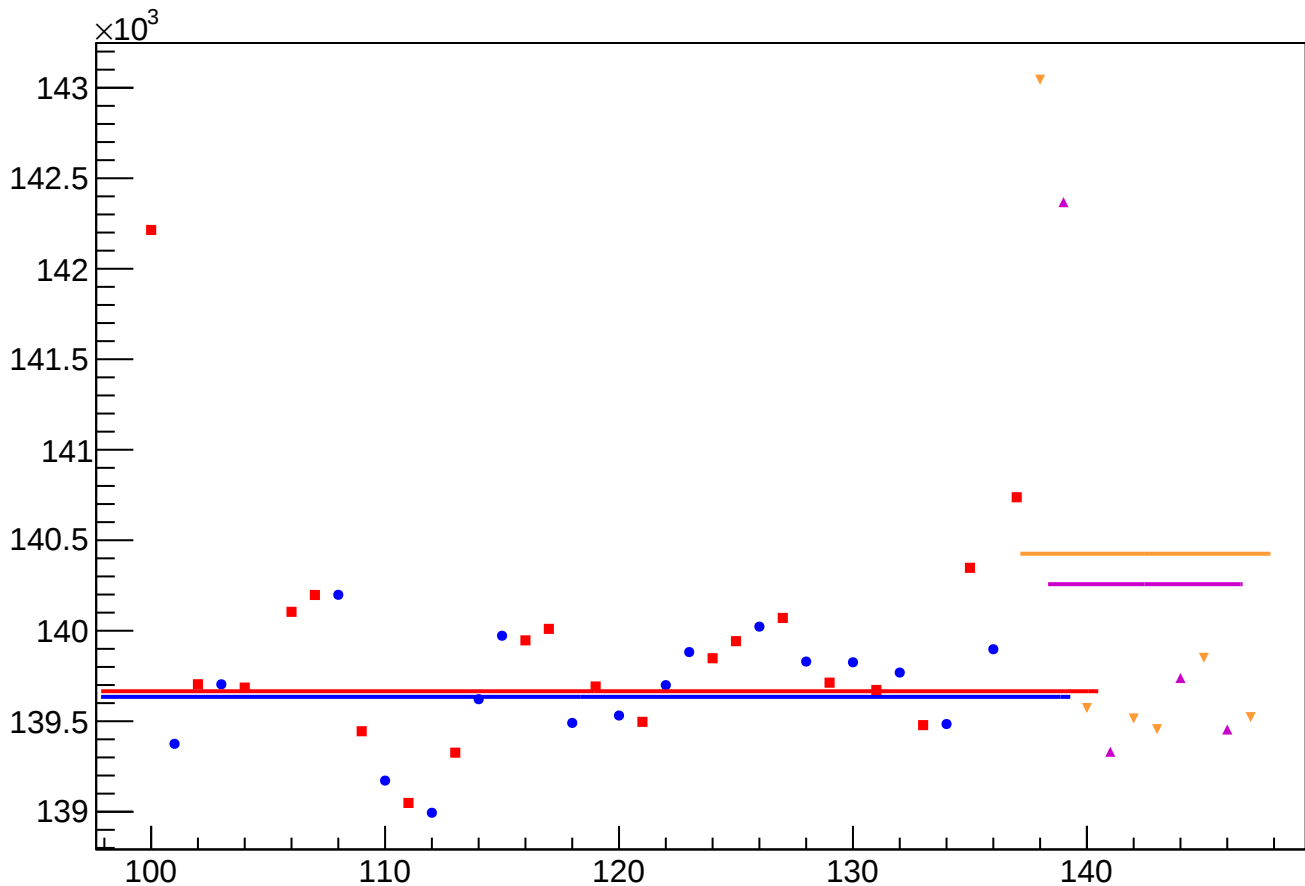
Left In: 189.800 +/- 0.077 χ^2/NDF : 164633.1/3

170.979 +/- 0.039 χ^2/NDF : 1429685.7/22

166.794 +/- 0.027 χ^2/NDF : 3003533.6/46

162.803 +/- 0.038 χ^2/NDF : 1551096.7/23

yield_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: 139634.700 $\pm$ 0.068 χ^2 /NDF: 24844912.0/16

Left Out: 140425.550 $\pm$ 0.106 χ^2 /NDF: 194145722.1/5

139863.420 $\pm$ 0.057 χ^2 /NDF: 258367636.7/22

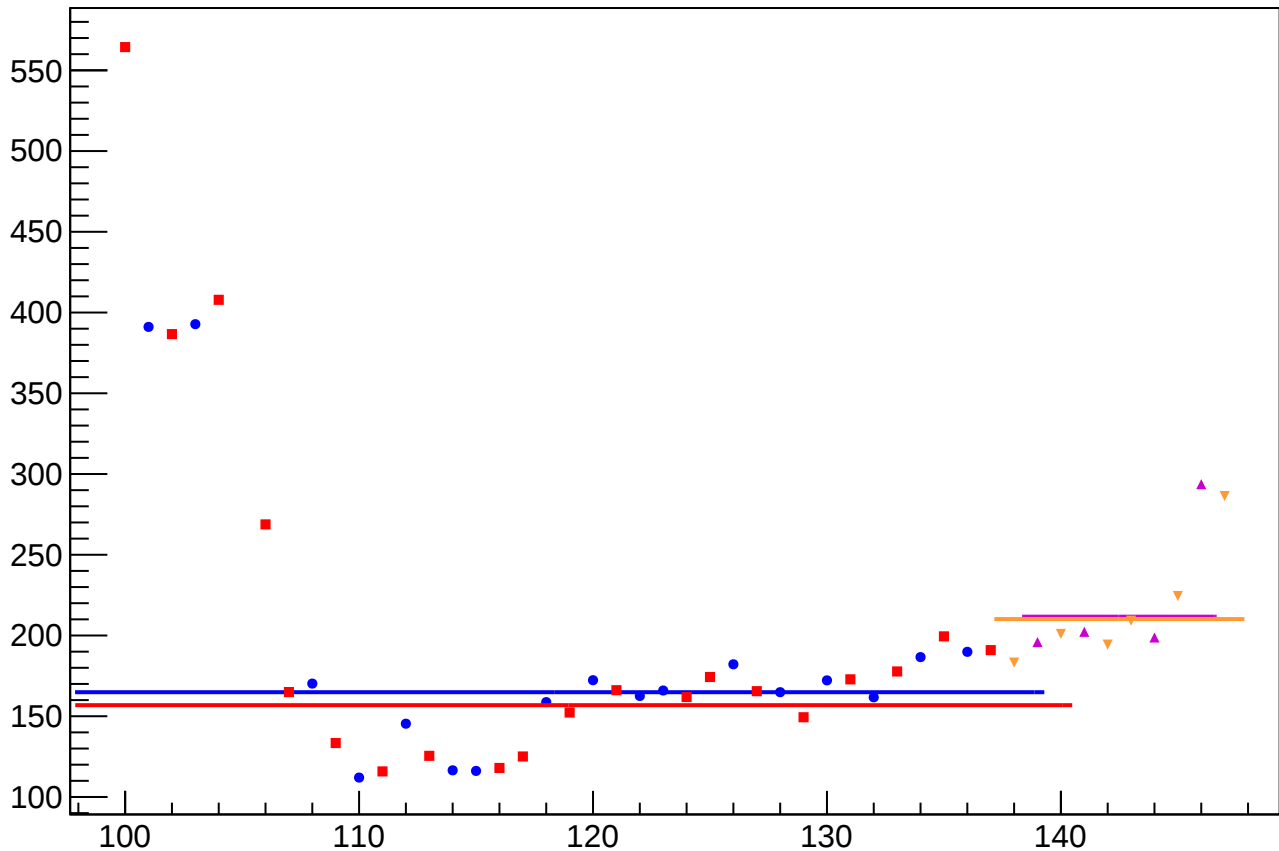
Right Out: 139665.743 $\pm$ 0.063 χ^2 /NDF: 38703726.2/19

139826.112 $\pm$ 0.040 χ^2 /NDF: 423729929

Left In: 140257.204 $\pm$ 0.121 χ^2 /NDF: 107025938.1/3

139790.689 $\pm$ 0.056 χ^2 /NDF: 164531253.1/23

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 164.884+/-0.048 χ^2/NDF : 1066270.8/16

Left Out: 210.179+/-0.075 χ^2/NDF : 155754.9/5

Right Out: 156.859+/-0.044 χ^2/NDF : 1250656.2/19

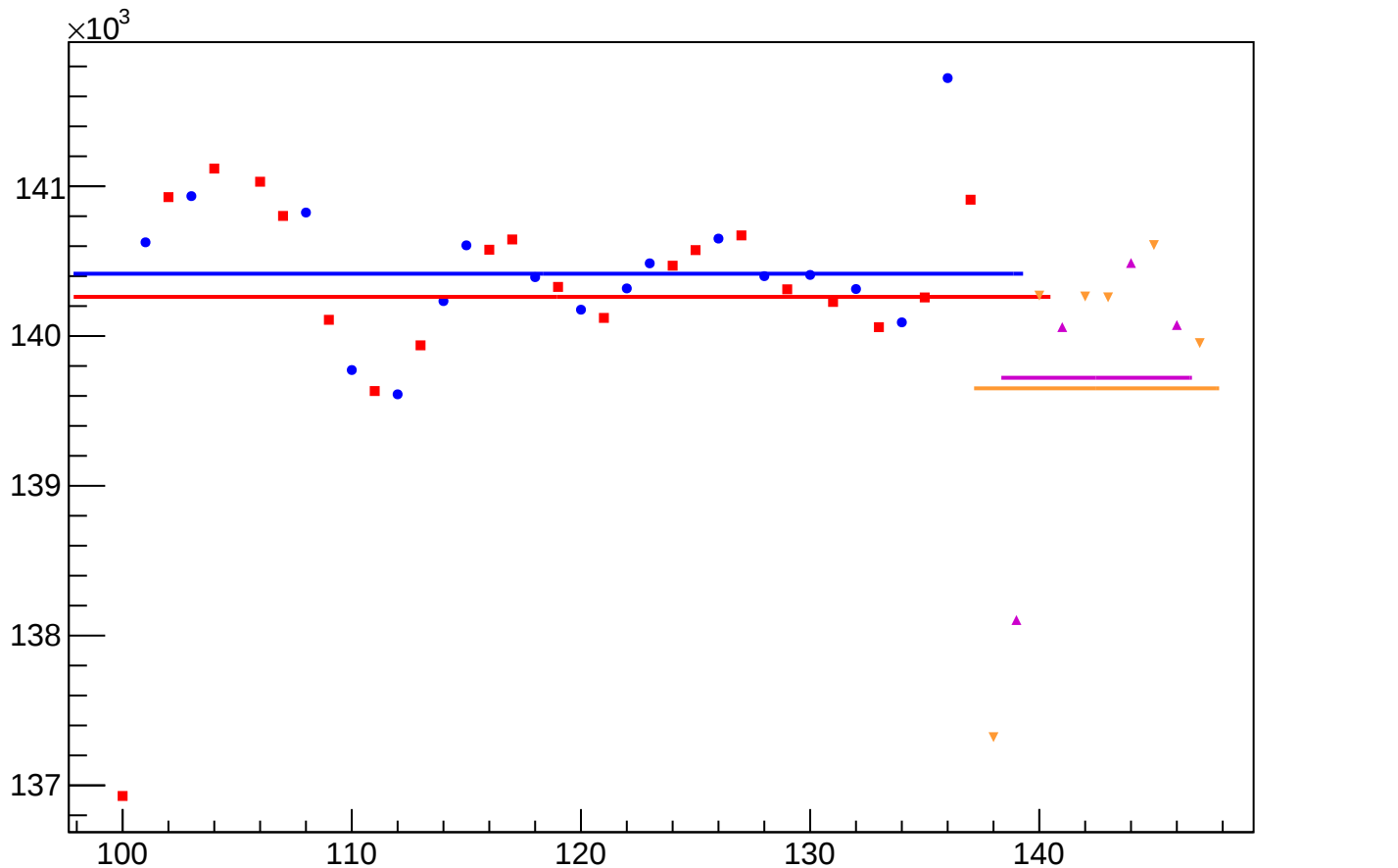
Left In: 211.654+/-0.086 χ^2/NDF : 140724.8/3

177.984+/-0.040 χ^2/NDF : 1480362.4/22

173.086+/-0.028 χ^2/NDF : 3223134.8/46

168.435+/-0.039 χ^2/NDF : 1714121.0/23

yield_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 140416.064 ± 0.068 χ^2/NDF : 69975821.3/16

Left Out: 139650.889 ± 0.094 χ^2/NDF : 176115868.2/5

Right Out: 140261.267 ± 0.063 χ^2/NDF : 38479140.4/19

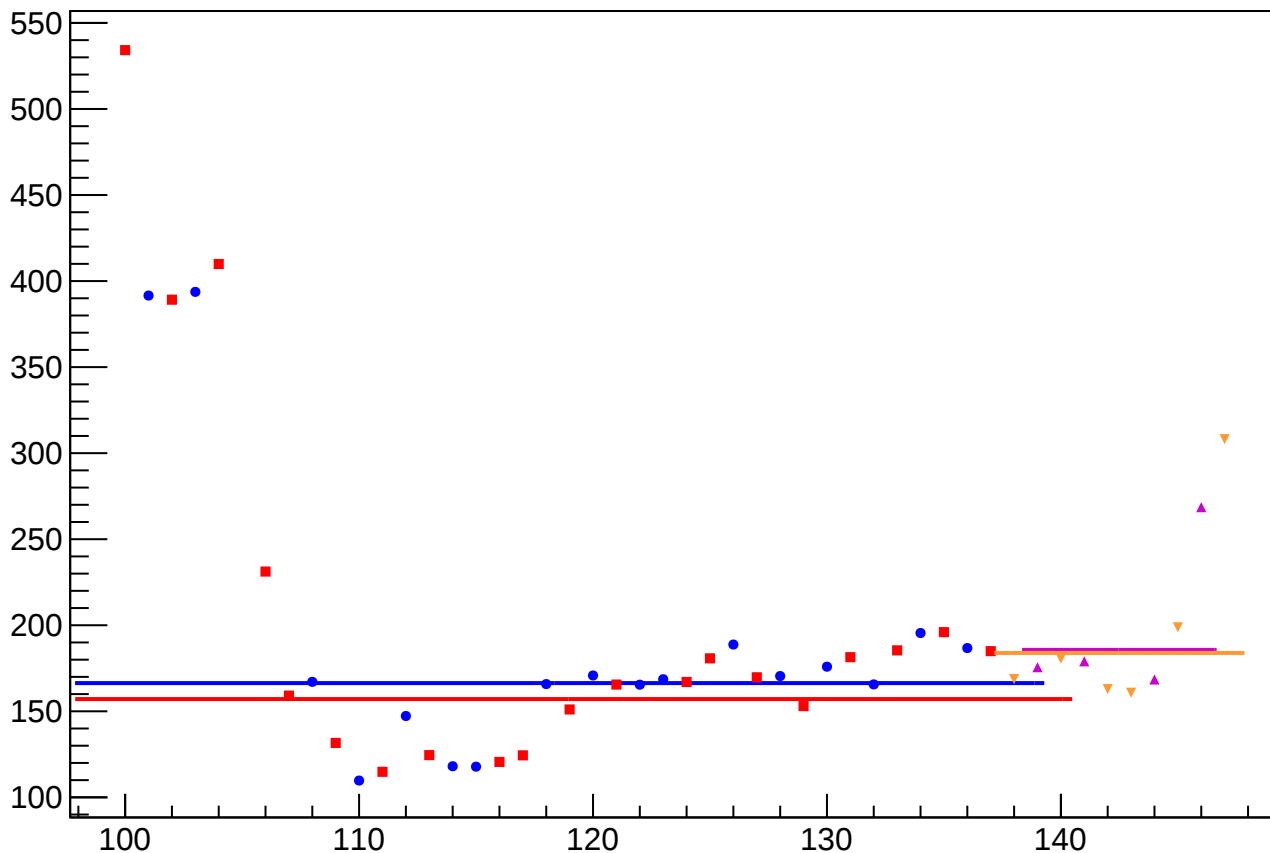
Left In: 139721.347 ± 0.106 χ^2/NDF : 78987758.9/3

140151.361 ± 0.055 χ^2/NDF : 289391343.3/22

140136.237 ± 0.039 χ^2/NDF : 426103704

140121.782 ± 0.054 χ^2/NDF : 136566151.4/23

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 166.388+/-0.048 χ^2/NDF : 1080964.8/16

Left Out: 183.902+/-0.066 χ^2/NDF : 310617.2/5

Right Out: 157.110+/-0.044 χ^2/NDF : 1235934.7/19

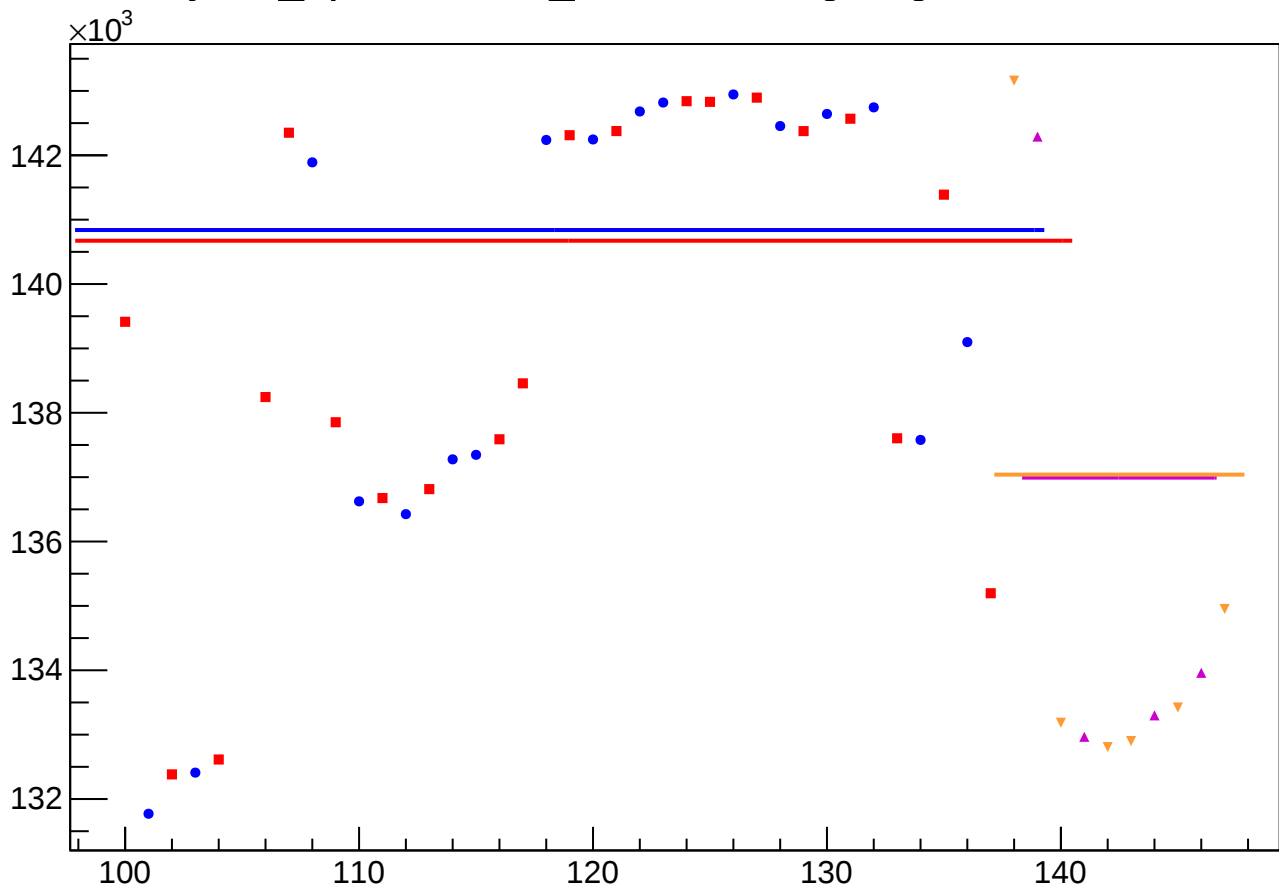
Left In: 185.685+/-0.075 χ^2/NDF : 174072.8/3

172.447+/-0.039 χ^2/NDF : 1436953.9/22

168.380+/-0.027 χ^2/NDF : 2975097.5/46

164.493+/-0.038 χ^2/NDF : 1516998.3/23

yield_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 140839.133 ± 0.100 $\chi^2/\text{NDF}: 822682996.3/16$

Left Out: 137039.321 ± 0.148 $\chi^2/\text{NDF}: 1031432098.2/5$

Right Out: 140672.898 ± 0.099 $\chi^2/\text{NDF}: 841965357.5/19$

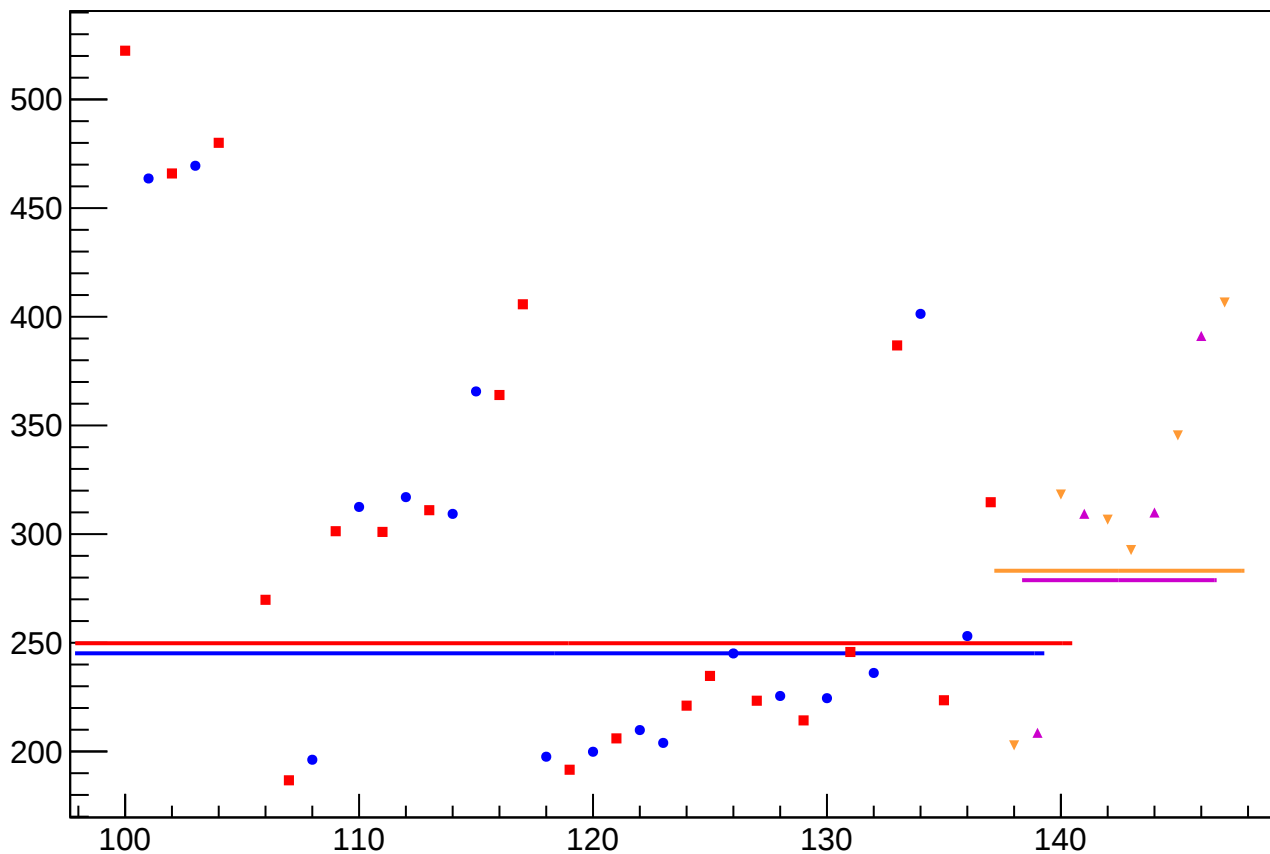
Left In: 136993.120 ± 0.165 $\chi^2/\text{NDF}: 721174505.2/3$

139647.410 ± 0.083 $\chi^2/\text{NDF}: 2306841251.5/23$

139671.398 ± 0.059 $\chi^2/\text{NDF}: 423690790$

139696.544 ± 0.085 $\chi^2/\text{NDF}: 1929894980.2/23$

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 245.159 ± 0.071 χ^2/NDF : 869491.6/16

Left Out: 283.151 ± 0.105 χ^2/NDF : 432749.8/5

Right Out: 249.792 ± 0.070 χ^2/NDF : 1022316.0/19

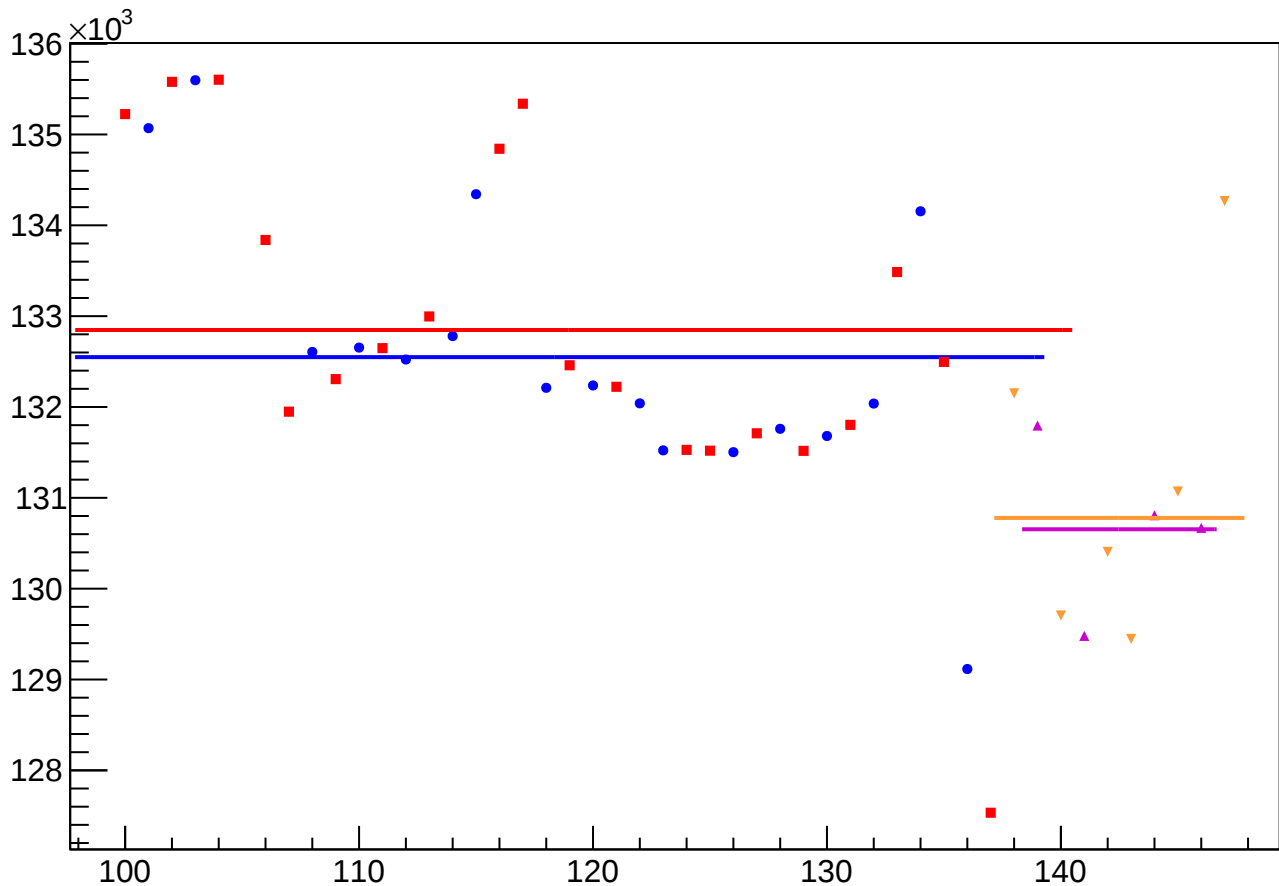
Left In: 278.807 ± 0.116 χ^2/NDF : 301851.5/3

257.074 ± 0.059 χ^2/NDF : 1392755.8/22

257.277 ± 0.042 χ^2/NDF : 2762551.0/46

257.490 ± 0.060 χ^2/NDF : 1369770.5/23

yield_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: 132548.888 $\pm$ 0.119 χ^2 /NDF: 161115079.9/16

Left Out: 130778.780 $\pm$ 0.103 χ^2 /NDF: 157153056.2/5

Right Out: 132847.502 $\pm$ 0.107 χ^2 /NDF: 151618589.4/19

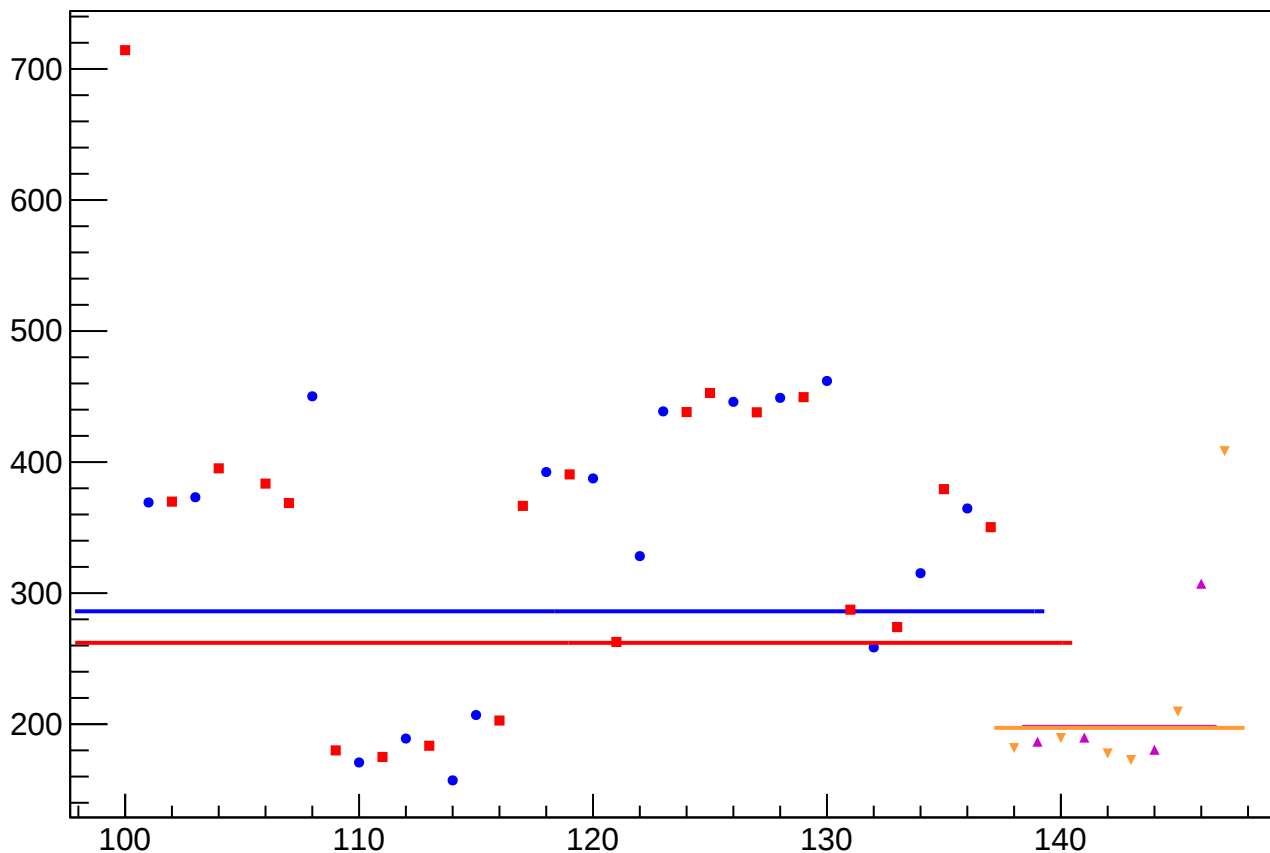
Left In: 130653.795 $\pm$ 0.115 χ^2 /NDF: 56692722.3/3

131532.057 $\pm$ 0.078 χ^2 /NDF: 444581247.5/22

131682.296 $\pm$ 0.055 χ^2 /NDF: 854800268

131834.718 $\pm$ 0.078 χ^2 /NDF: 402720360.5/23

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 286.122+/-0.084 χ^2/NDF : 1525266.4/16

Left Out: 197.182+/-0.073 χ^2/NDF : 468549.4/5

Right Out: 262.073+/-0.076 χ^2/NDF : 1630239.5/19

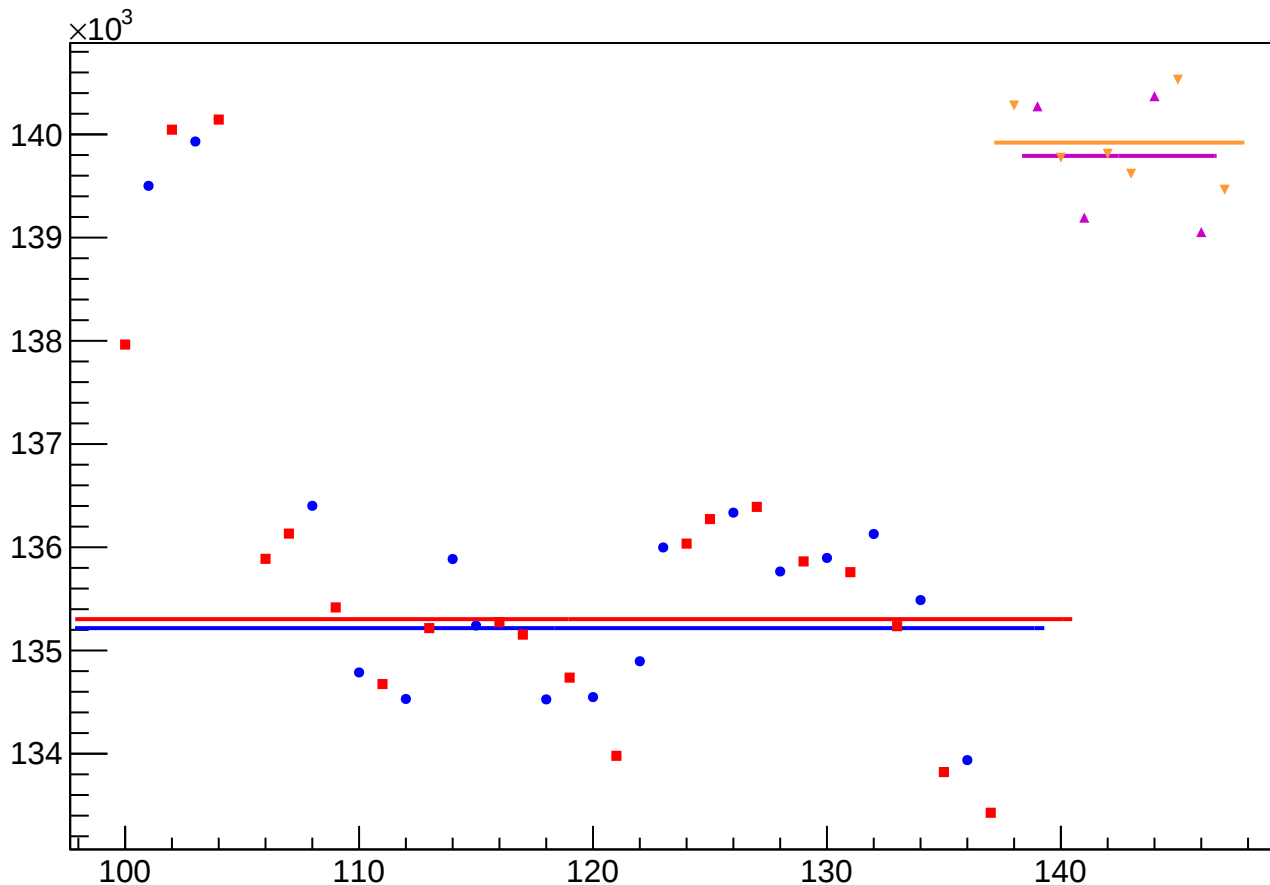
Left In: 197.899+/-0.082 χ^2/NDF : 208414.8/3

235.031+/-0.055 χ^2/NDF : 2631601.2/22

233.747+/-0.039 χ^2/NDF : 4804085.8/46

232.445+/-0.055 χ^2/NDF : 2171390.0/23

yield_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 135216.588 $\pm$ 0.054 χ^2/NDF : 371347707.3/16

Left Out: 139920.465 $\pm$ 0.094 χ^2/NDF : 13849325.1/5

Right Out: 135303.736 $\pm$ 0.051 χ^2/NDF : 357717935.5/19

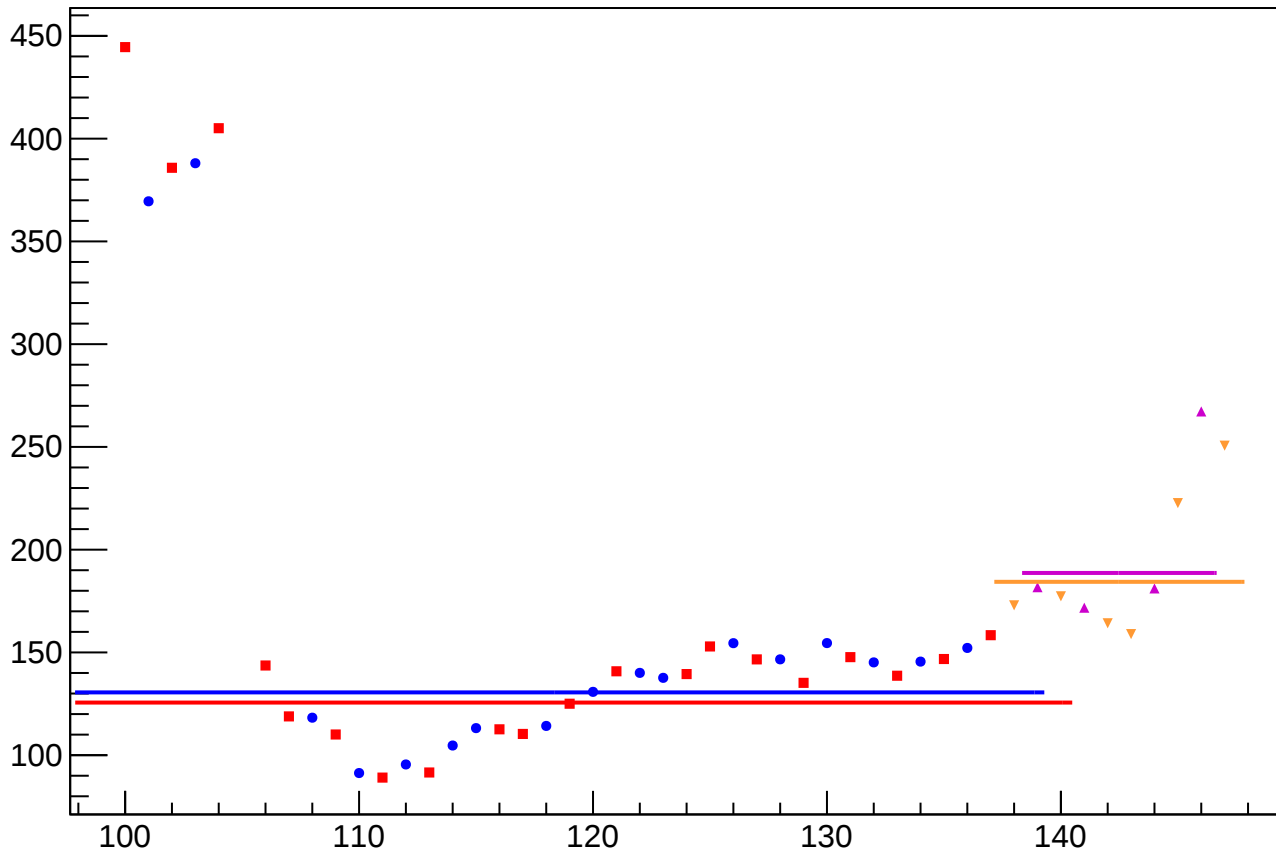
Left In: 139791.705 $\pm$ 0.109 χ^2/NDF : 29087363.1/3

136397.082 $\pm$ 0.047 χ^2/NDF : 2264618408.8/22

136251.742 $\pm$ 0.033 χ^2/NDF : 407036734

136112.219 $\pm$ 0.046 χ^2/NDF : 1787041159.9/23

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 130.552 +/- 0.038 χ^2/NDF : 1373104.9/16

Left Out: 184.357 +/- 0.066 χ^2/NDF : 197833.6/5

Right Out: 125.603 +/- 0.036 χ^2/NDF : 1441677.4/19

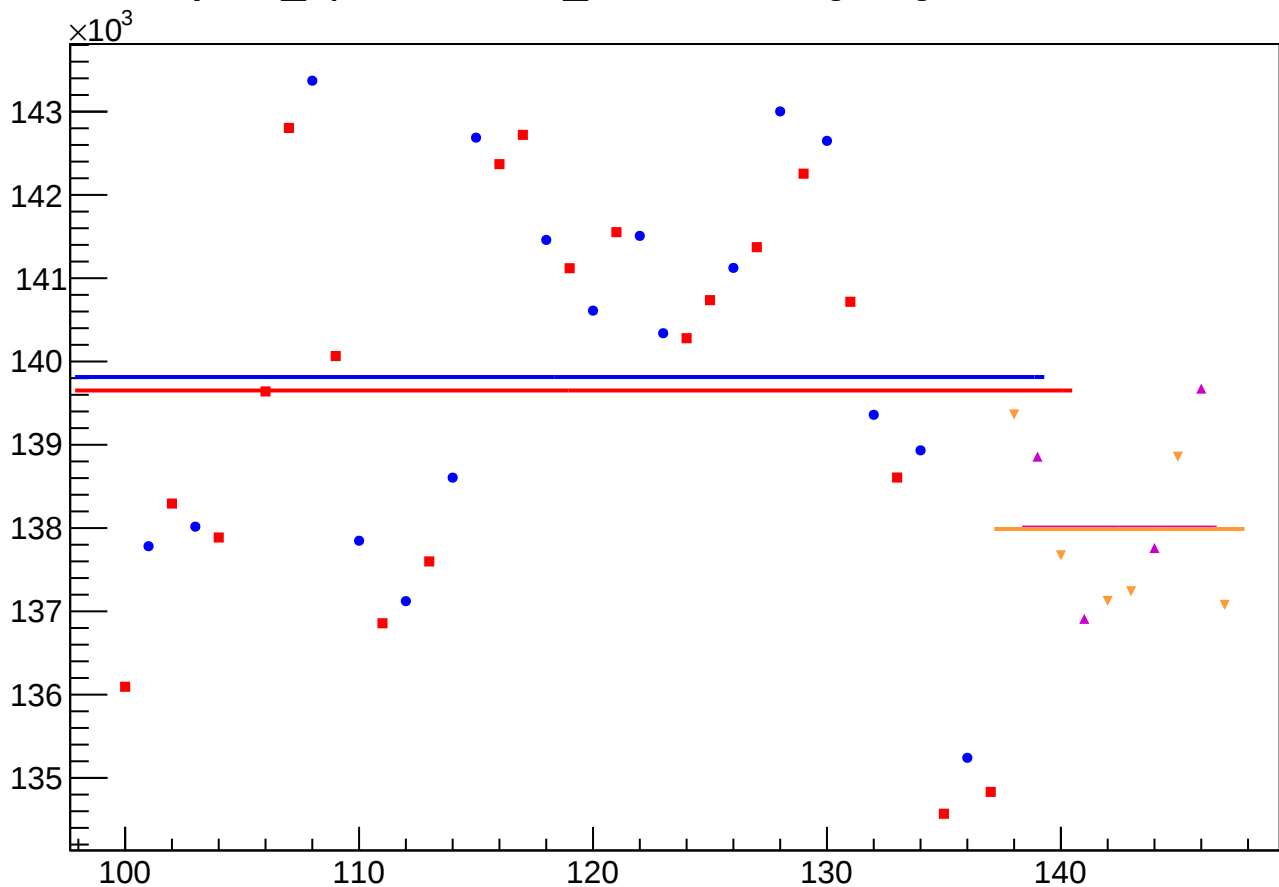
Left In: 188.674 +/- 0.077 χ^2/NDF : 149108.0/3

144.055 +/- 0.033 χ^2/NDF : 2062737.9/22

140.437 +/- 0.023 χ^2/NDF : 4229766.4/46

136.965 +/- 0.033 χ^2/NDF : 2143854.3/23

yield_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 139813.664 $\pm$ 0.062 χ^2/NDF : 1689865533.6/16

Left Out: 137989.238 $\pm$ 0.092 χ^2/NDF : 97209859.9/5

Right Out: 139651.821 $\pm$ 0.059 χ^2/NDF : 1531019137.4/19

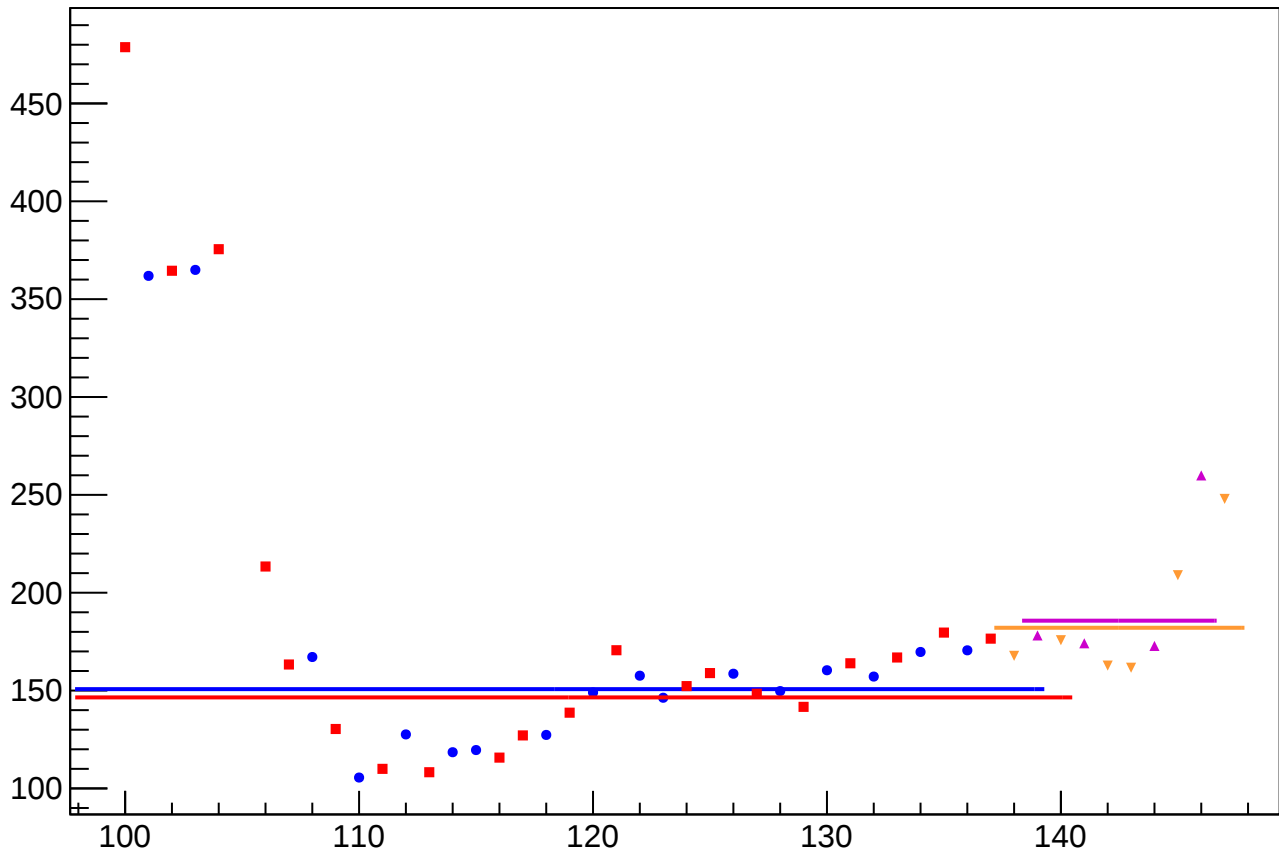
Left In: 138005.926 $\pm$ 0.106 χ^2/NDF : 81682909.7/3

139248.574 $\pm$ 0.051 χ^2/NDF : 2055949196.4/22

139258.091 $\pm$ 0.036 χ^2/NDF : 385194874

139267.603 $\pm$ 0.051 χ^2/NDF : 1795931125.2/23

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 150.733+/-0.044 χ^2/NDF : 1050071.6/16

Left Out: 182.092+/-0.065 χ^2/NDF :174786.0/5

Right Out: 146.506+/-0.042 χ^2/NDF : 1205131.2/19

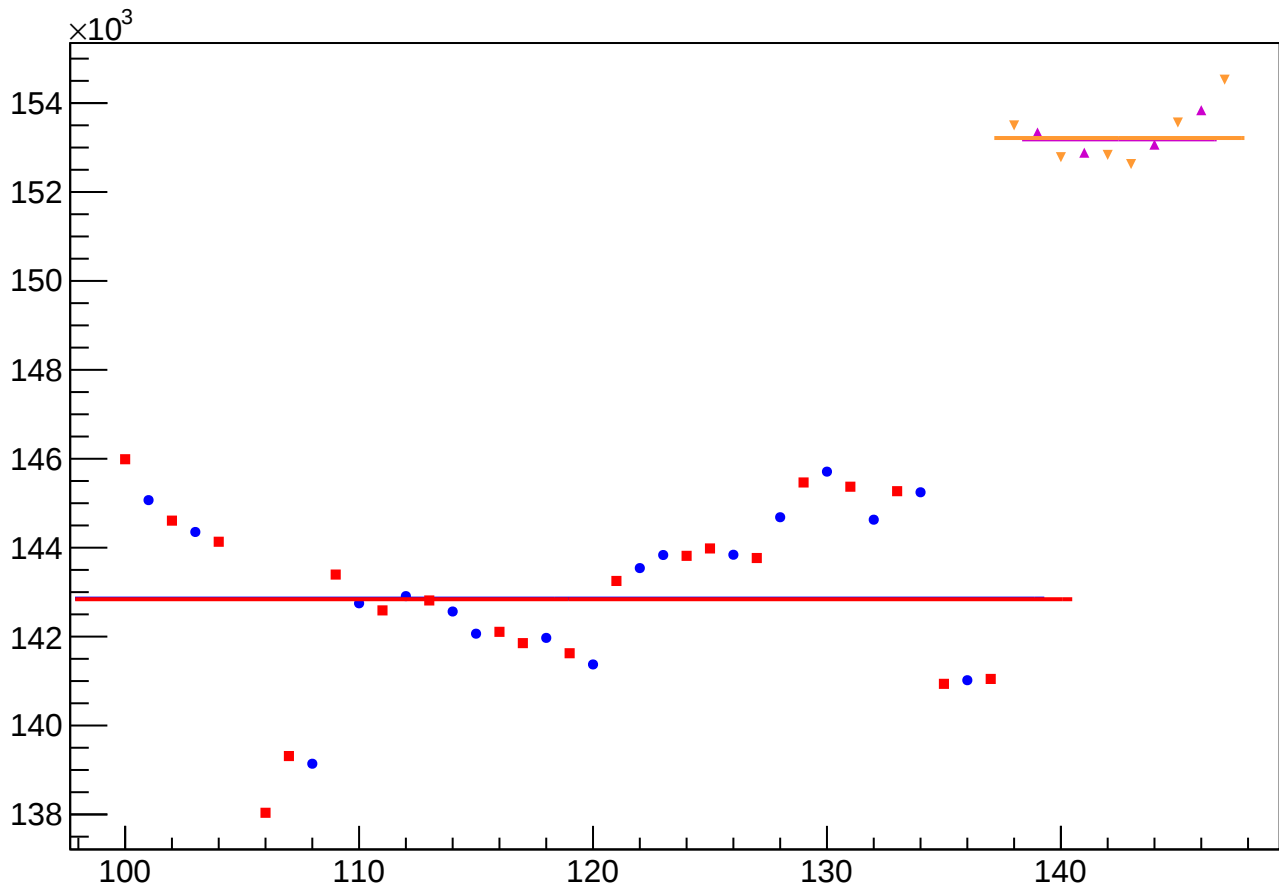
Left In: 185.713+/-0.075 χ^2/NDF :143974.9/3

160.446+/-0.036 χ^2/NDF : 1383729.0/22

158.052+/-0.026 χ^2/NDF : 2949445.8/46

155.658+/-0.036 χ^2/NDF : 1557054.8/23

yield_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 142854.268 $\pm$ 0.065 χ^2 /NDF: 740367386.5/16

Left Out: 153214.299 $\pm$ 0.094 χ^2 /NDF: 38754366.3/5

Right Out: 142840.509 $\pm$ 0.060 χ^2 /NDF: 852484333.4/19

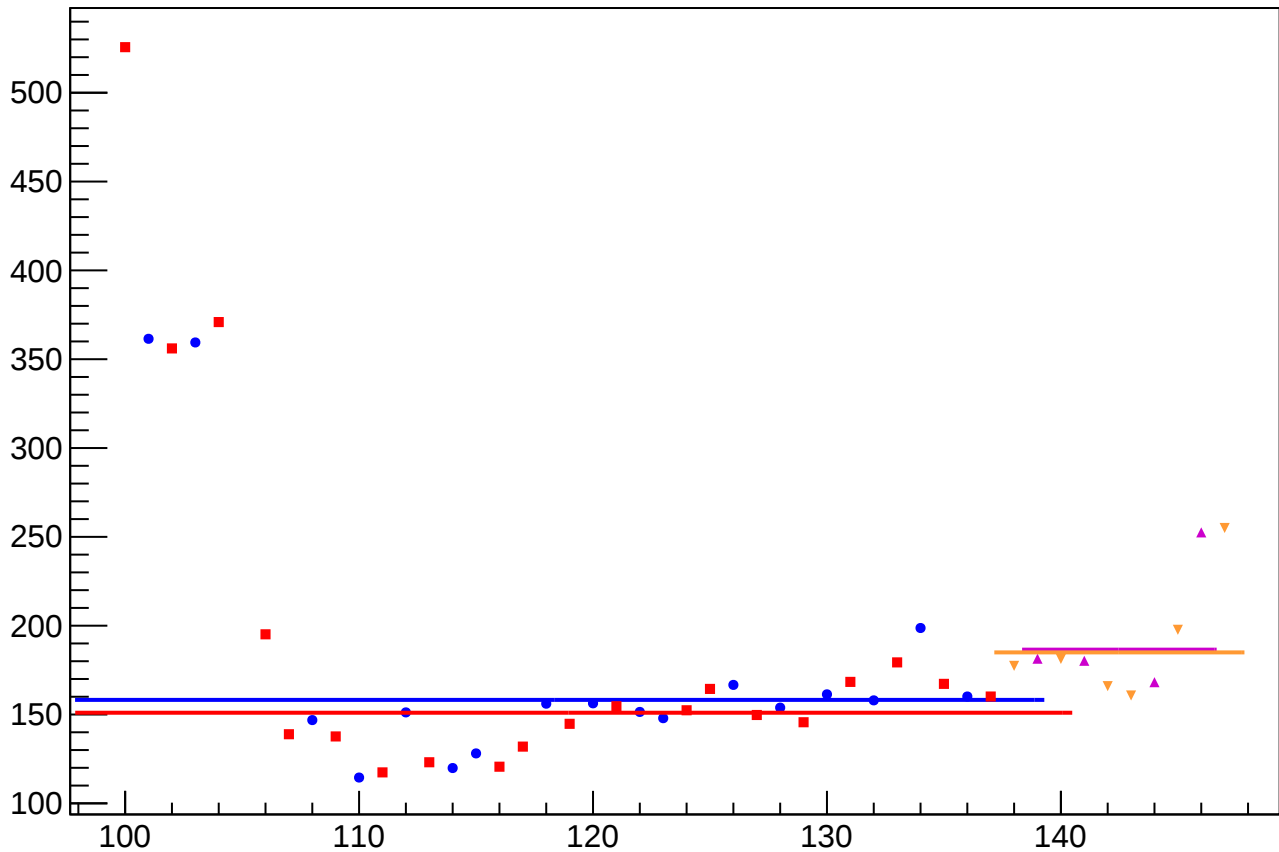
Left In: 153183.950 $\pm$ 0.106 χ^2 /NDF: 8492060.7/3

146194.421 $\pm$ 0.053 χ^2 /NDF: 9055162397.3/22

145760.536 $\pm$ 0.037 χ^2 /NDF: 172000739

145340.709 $\pm$ 0.052 χ^2 /NDF: 8014170617.8/23

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 158.233+/-0.046 χ^2/NDF : 883513.4/16

Left Out: 184.968+/-0.066 χ^2/NDF : 163396.0/5

Right Out: 151.003+/-0.043 χ^2/NDF : 1005104.9/19

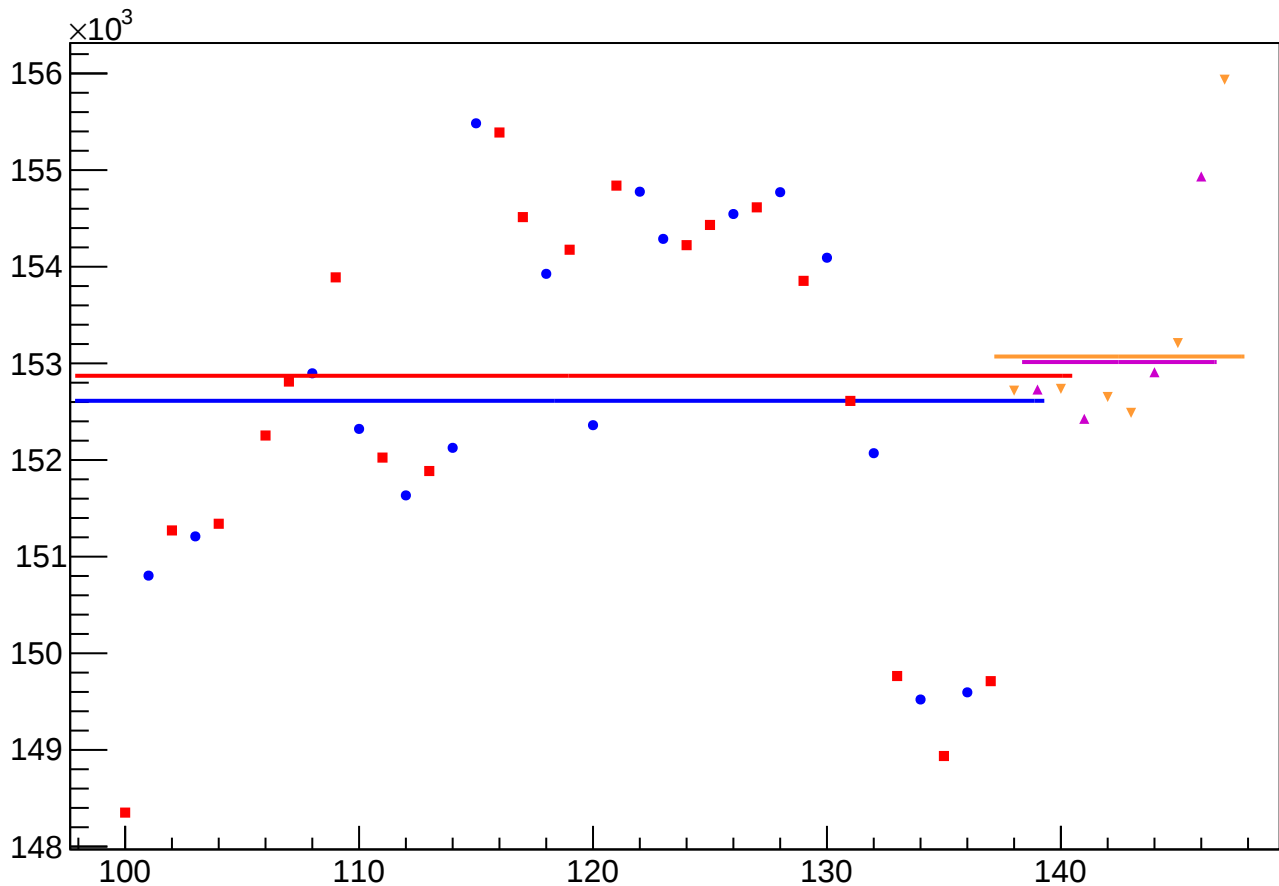
Left In: 186.509+/-0.075 χ^2/NDF : 129973.5/3

166.852+/-0.038 χ^2/NDF : 1157141.8/22

163.159+/-0.026 χ^2/NDF : 2479740.9/46

159.585+/-0.037 χ^2/NDF : 1303653.2/23

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152612.586 $\pm$ 0.072 χ^2 /NDF: 621416187.4/16

Left Out: 153070.913 $\pm$ 0.093 χ^2 /NDF: 109648586.0/5

Right Out: 152871.618 $\pm$ 0.066 χ^2 /NDF: 720639345.6/19

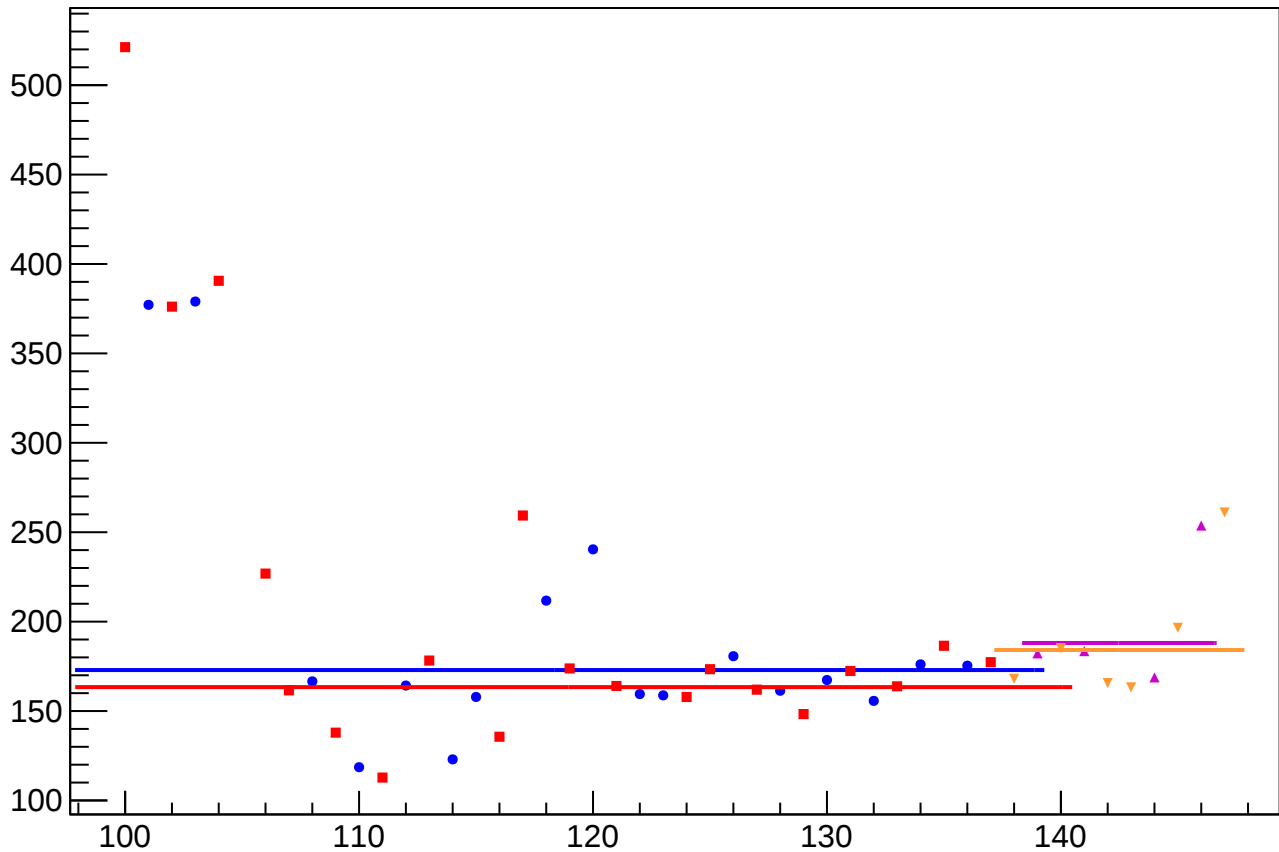
Left In: 153013.622 $\pm$ 0.107 χ^2 /NDF: 55596106.4/3

152784.442 $\pm$ 0.057 χ^2 /NDF: 746189222.8/22

152848.463 $\pm$ 0.040 χ^2 /NDF: 152618040

152910.767 $\pm$ 0.056 χ^2 /NDF: 777506606.7/23

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.921+/-0.051 χ^2/NDF : 941954.0/16

Left Out: 184.138+/-0.066 χ^2/NDF : 183420.4/5

Right Out: 163.382+/-0.047 χ^2/NDF : 1044431.2/19

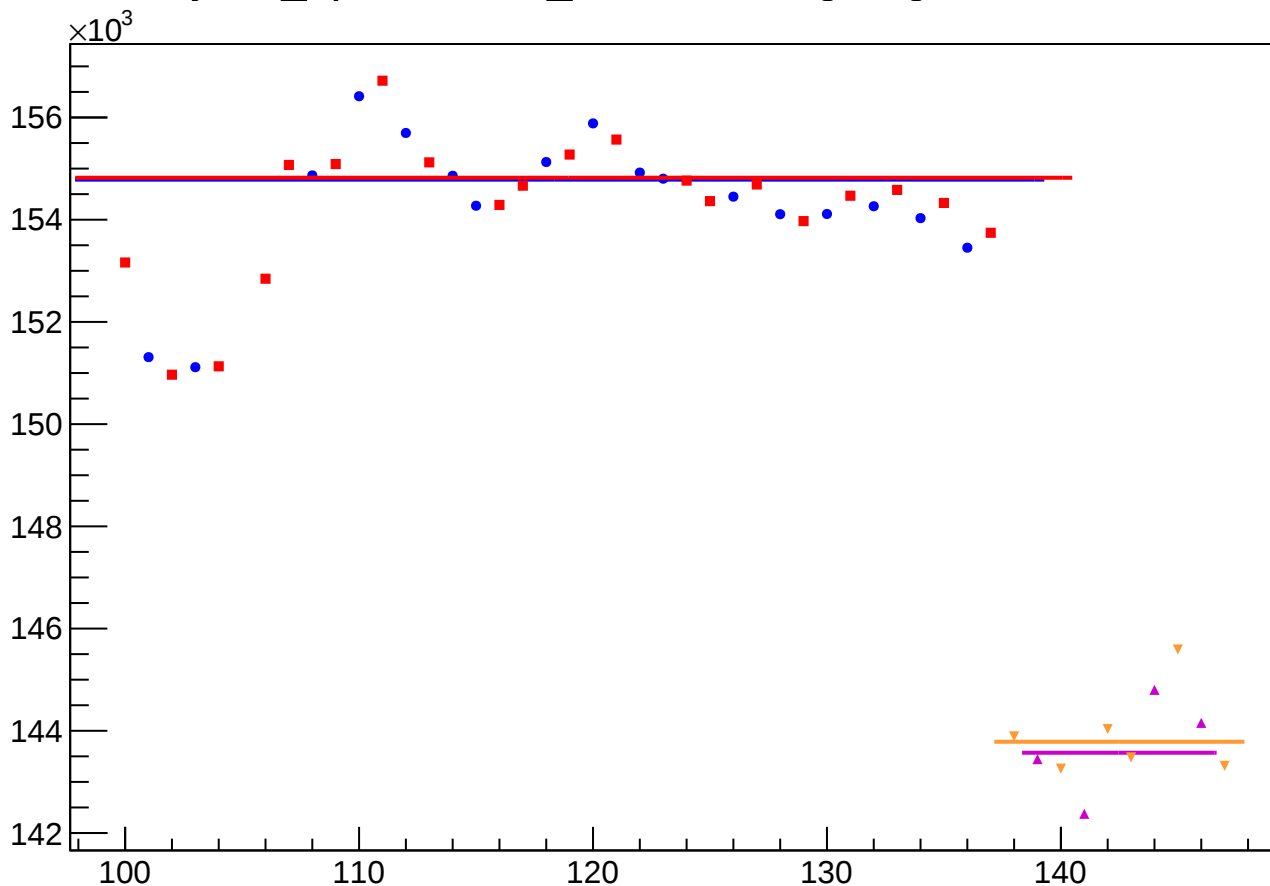
Left In: 188.062+/-0.076 χ^2/NDF : 129801.2/3

177.127+/-0.040 χ^2/NDF : 1143492.6/22

173.609+/-0.028 χ^2/NDF : 2409520.9/46

170.186+/-0.040 χ^2/NDF : 1251025.9/23

yield_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 154783.944 $\pm$ 0.065 χ^2 /NDF: 265581398.0/16

Left Out: 143785.643 $\pm$ 0.087 χ^2 /NDF: 68622408.8/5

Right Out: 154820.824 $\pm$ 0.061 χ^2 /NDF: 293904936.4/19

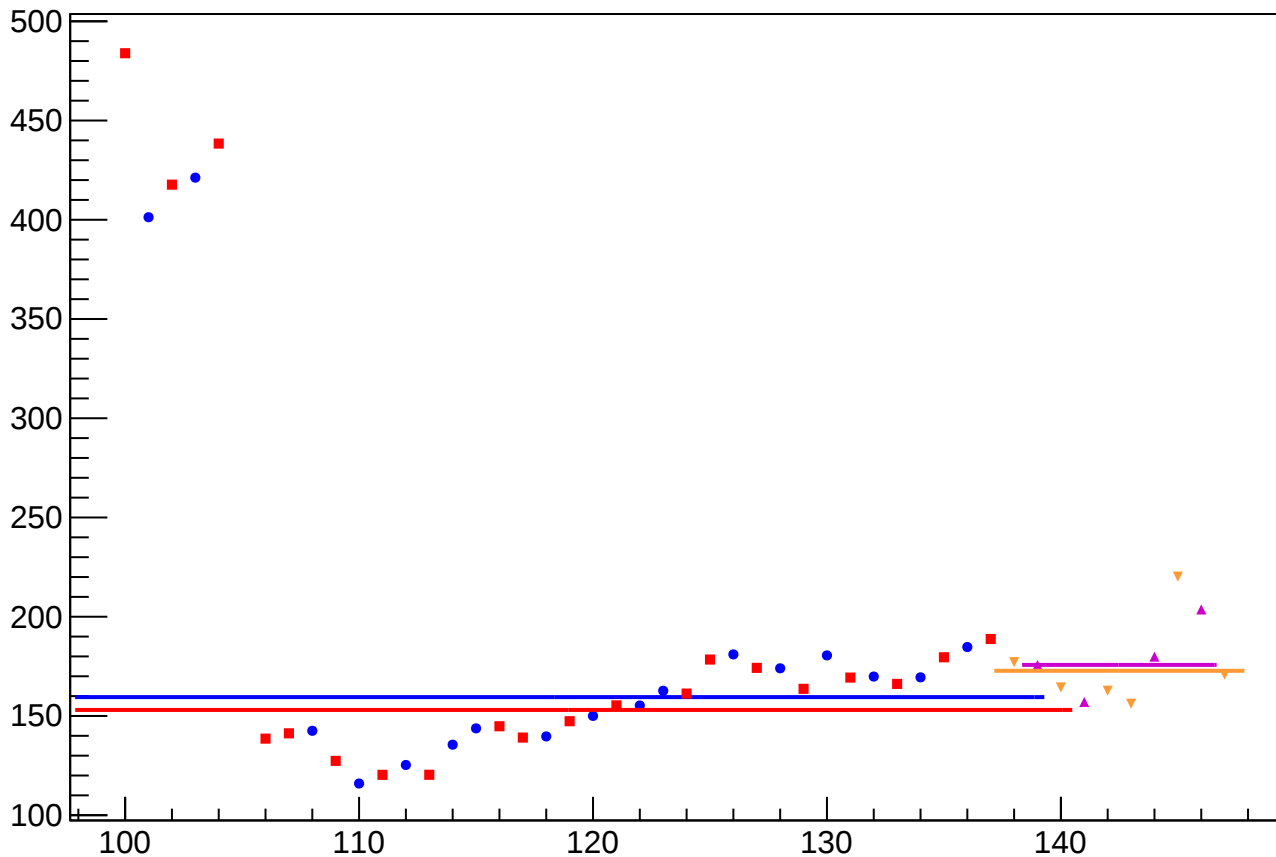
Left In: 143570.672 $\pm$ 0.100 χ^2 /NDF: 94993018.9/3

150786.284 $\pm$ 0.052 χ^2 /NDF: 10623878040.1/2

151283.858 $\pm$ 0.037 χ^2 /NDF: 205151219

151774.350 $\pm$ 0.052 χ^2 /NDF: 9710484166.0/23

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 159.504 +/- 0.046 χ^2/NDF : 1131844.5/16

Left Out: 172.762 +/- 0.061 χ^2/NDF : 92526.2/5

Right Out: 153.038 +/- 0.043 χ^2/NDF : 1174616.4/19

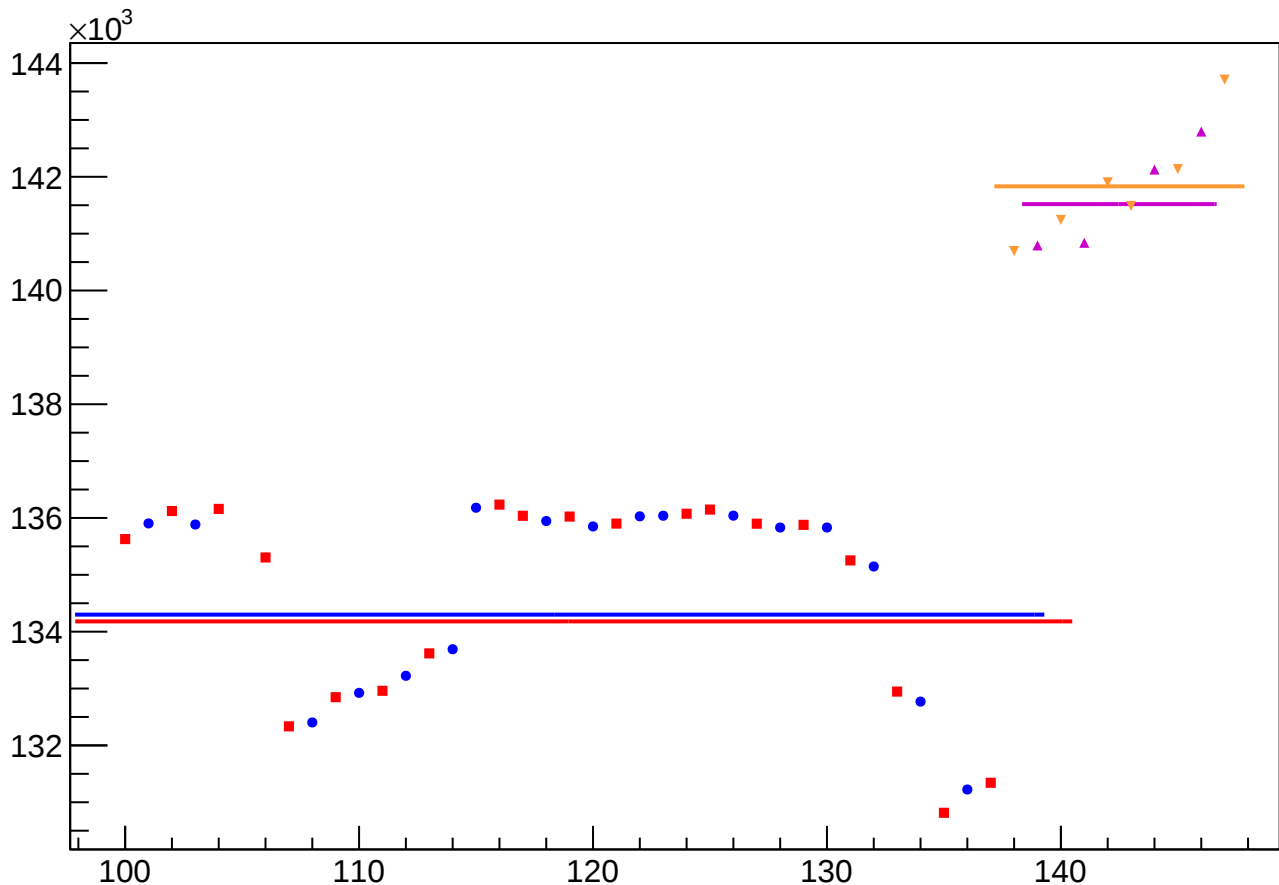
Left In: 175.730 +/- 0.070 χ^2/NDF : 54160.3/3

164.323 +/- 0.037 χ^2/NDF : 1254278.6/22

161.734 +/- 0.026 χ^2/NDF : 2568688.7/46

159.183 +/- 0.037 χ^2/NDF : 1304625.2/23

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134300.025 $\pm$ 0.050 χ^2 /NDF: 1149581803.2/16

Left Out: 141832.236 $\pm$ 0.085 χ^2 /NDF: 137312576.0/5

Right Out: 134180.888 $\pm$ 0.047 χ^2 /NDF: 1224202240.2/19

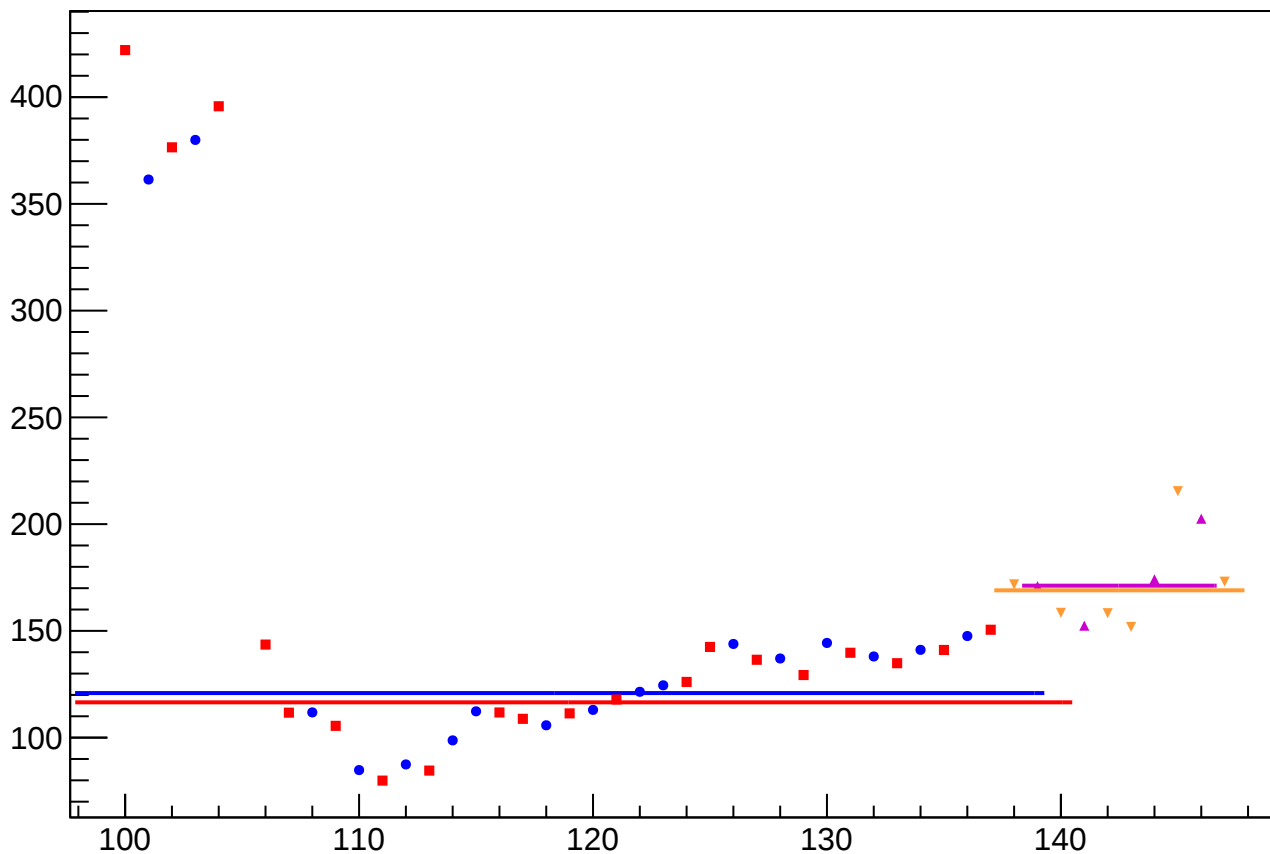
Left In: 141519.750 $\pm$ 0.097 χ^2 /NDF: 70156550.7/3

136264.260 $\pm$ 0.043 χ^2 /NDF: 7124725833.3/22

135917.456 $\pm$ 0.030 χ^2 /NDF: 131668448

135583.896 $\pm$ 0.042 χ^2 /NDF: 5916172807.4/23

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 120.872 $\pm$ 0.036 χ^2 /NDF: 1463728.4/16

Left Out: 168.997 $\pm$ 0.060 χ^2 /NDF: 97836.5/5

Right Out: 116.531 $\pm$ 0.033 χ^2 /NDF: 1541779.4/19

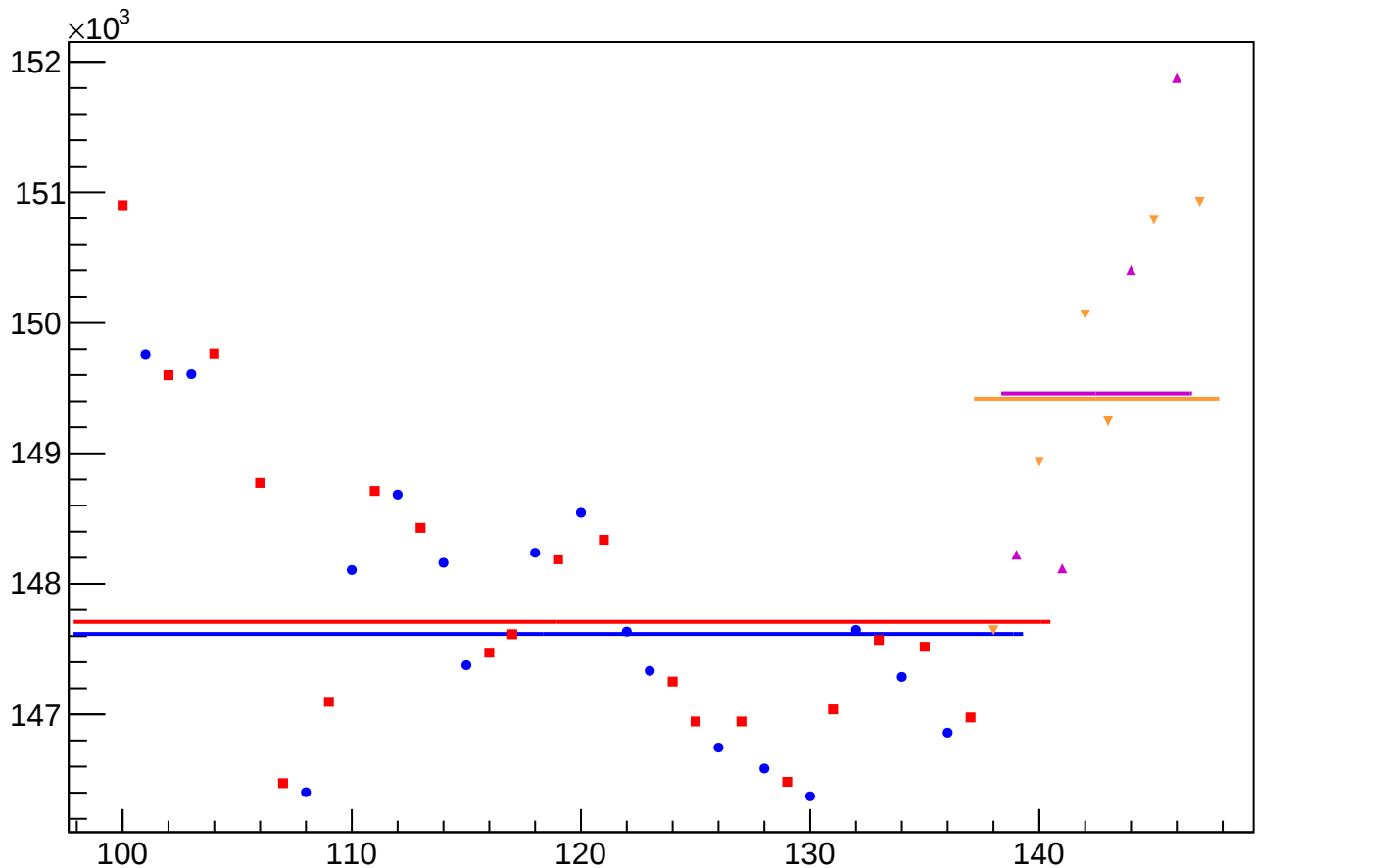
Left In: 171.177 $\pm$ 0.069 χ^2 /NDF: 63248.1/3

133.422 $\pm$ 0.031 χ^2 /NDF: 2038186.0/22

130.137 $\pm$ 0.021 χ^2 /NDF: 4178318.0/46

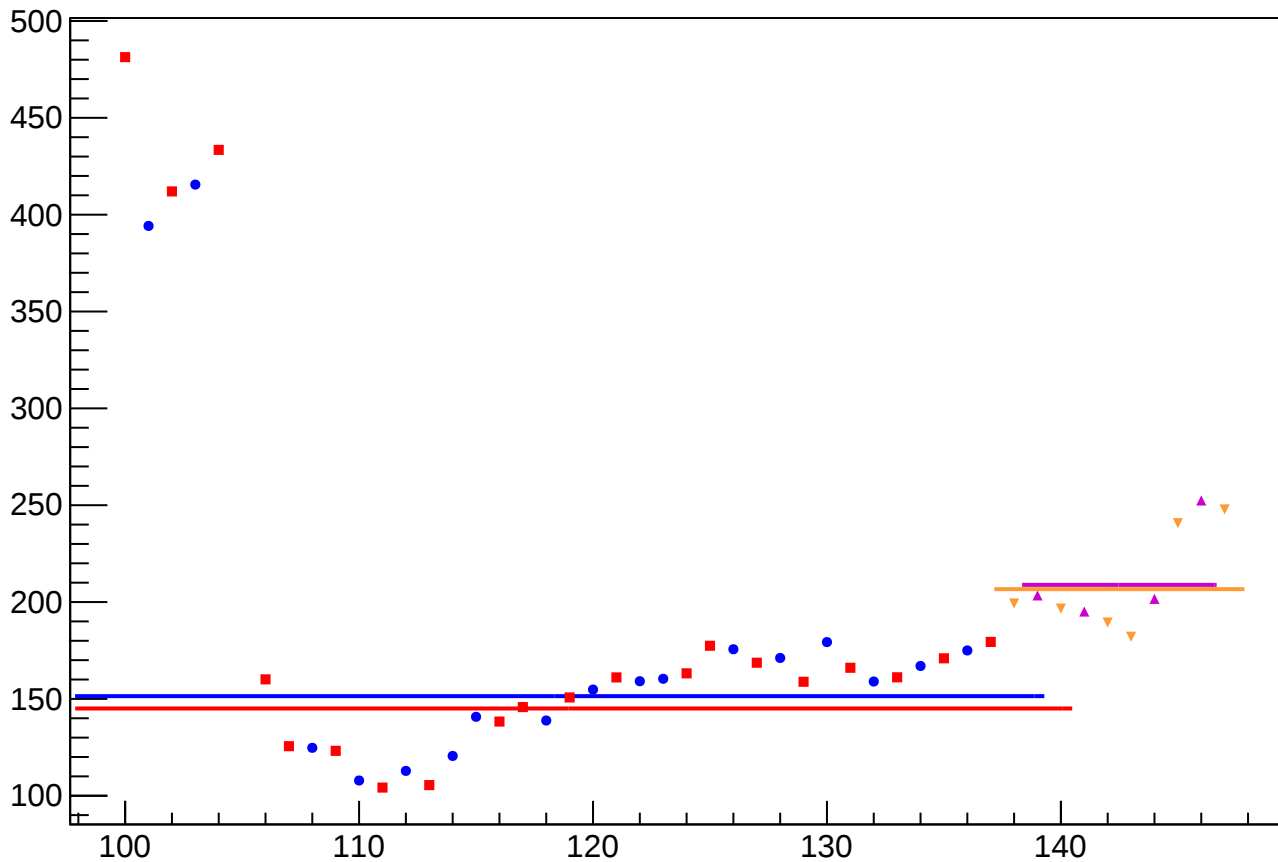
126.978 $\pm$ 0.030 χ^2 /NDF: 2117533.0/23

yield_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 147616.150 $\pm$ 0.062	χ^2 /NDF: 199263428.7/16	148096.897 $\pm$ 0.054	χ^2 /NDF: 541731025.6/22
Left Out: 149419.367 $\pm$ 0.104	χ^2 /NDF: 120426027.8/5	148072.947 $\pm$ 0.037	χ^2 /NDF: 107836193
Right Out: 147709.096 $\pm$ 0.058	χ^2 /NDF: 203924272.1/19	148050.186 $\pm$ 0.052	χ^2 /NDF: 536240182.9/23
Left In: 149459.560 $\pm$ 0.118	χ^2 /NDF: 155648501.0/3		

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 151.424 $\pm$ 0.044 χ^2 /NDF: 1257843.0/16

Left Out: 206.666 $\pm$ 0.073 χ^2 /NDF:107794.9/5

Right Out: 145.044 $\pm$ 0.041 χ^2 /NDF: 1375974.1/19

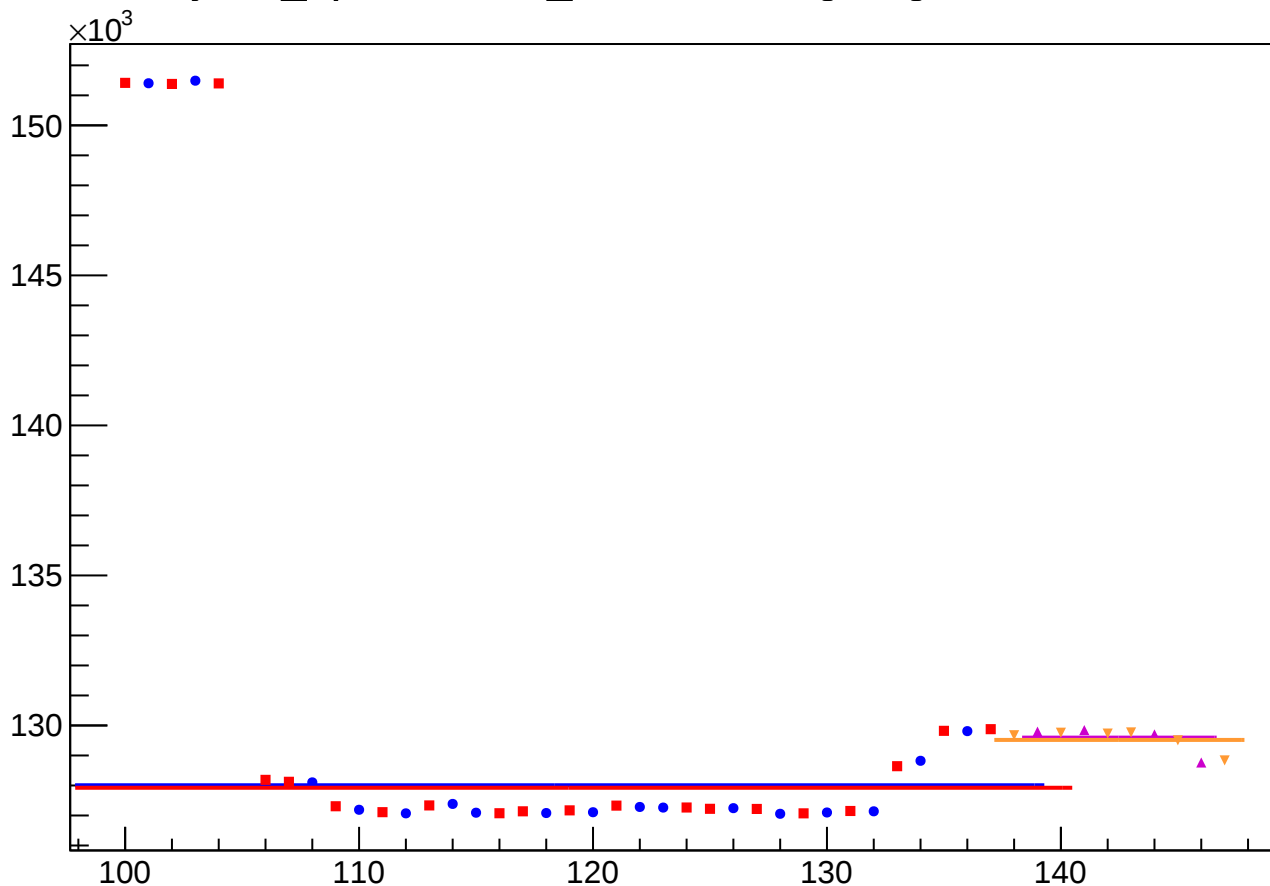
Left In: 208.866 $\pm$ 0.084 χ^2 /NDF:58715.7/3

166.152 $\pm$ 0.038 χ^2 /NDF: 1782416.5/22

161.706 $\pm$ 0.026 χ^2 /NDF: 3713732.5/46

157.480 $\pm$ 0.037 χ^2 /NDF: 1904385.3/23

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16

Left Out: 129518.294 $\pm$ 0.085 χ^2 /NDF: 18191062.8/5

Right Out: 127923.940 $\pm$ 0.050 χ^2 /NDF: 3770107280.1/19

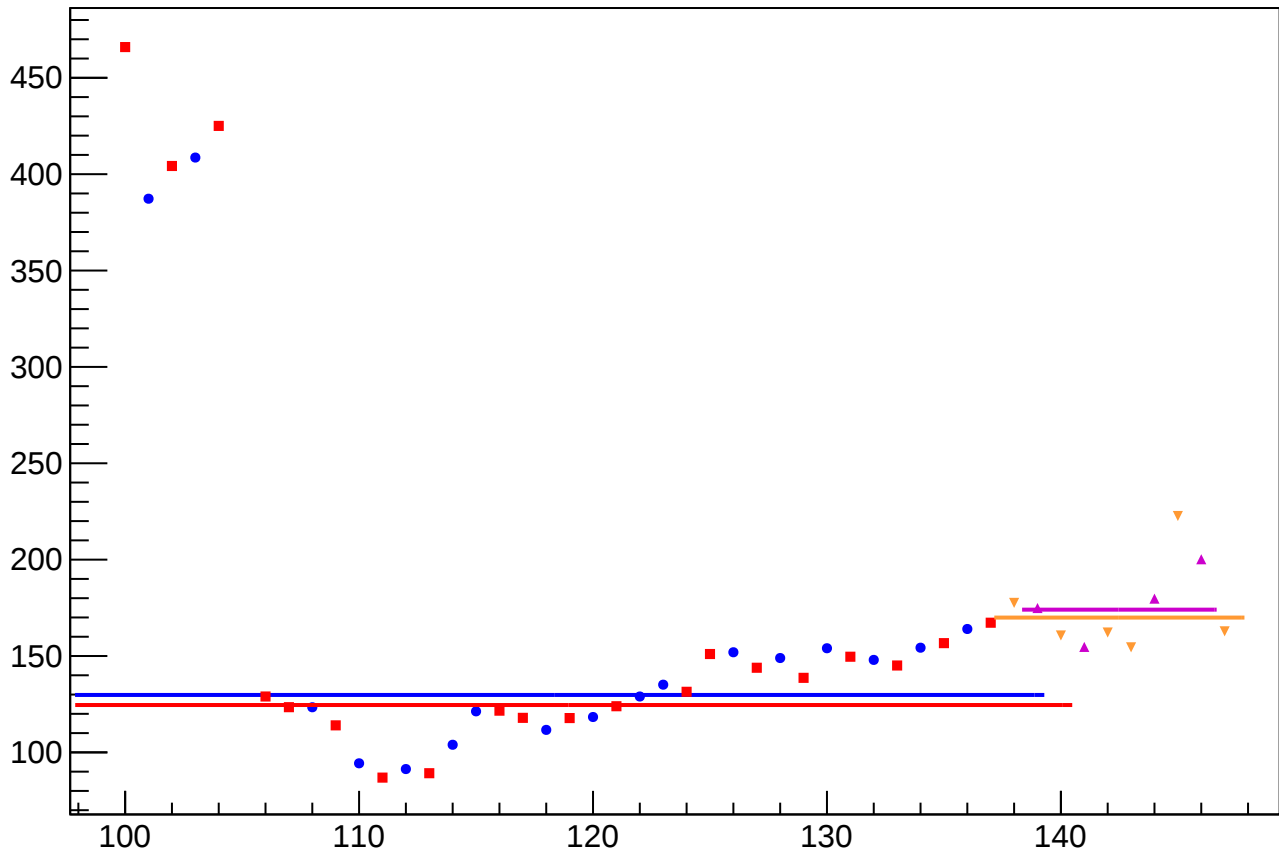
Left In: 129594.709 $\pm$ 0.099 χ^2 /NDF: 16754293.6/3

128441.764 $\pm$ 0.046 χ^2 /NDF: 4562034253.8/22

128352.750 $\pm$ 0.032 χ^2 /NDF: 858420817

128267.425 $\pm$ 0.045 χ^2 /NDF: 4014738670.8/23

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.796 +/- 0.038 χ^2/NDF : 1485294.2/16

Left Out: 169.941 +/- 0.060 χ^2/NDF : 110145.2/5

Right Out: 124.572 +/- 0.035 χ^2/NDF : 1532105.0/19

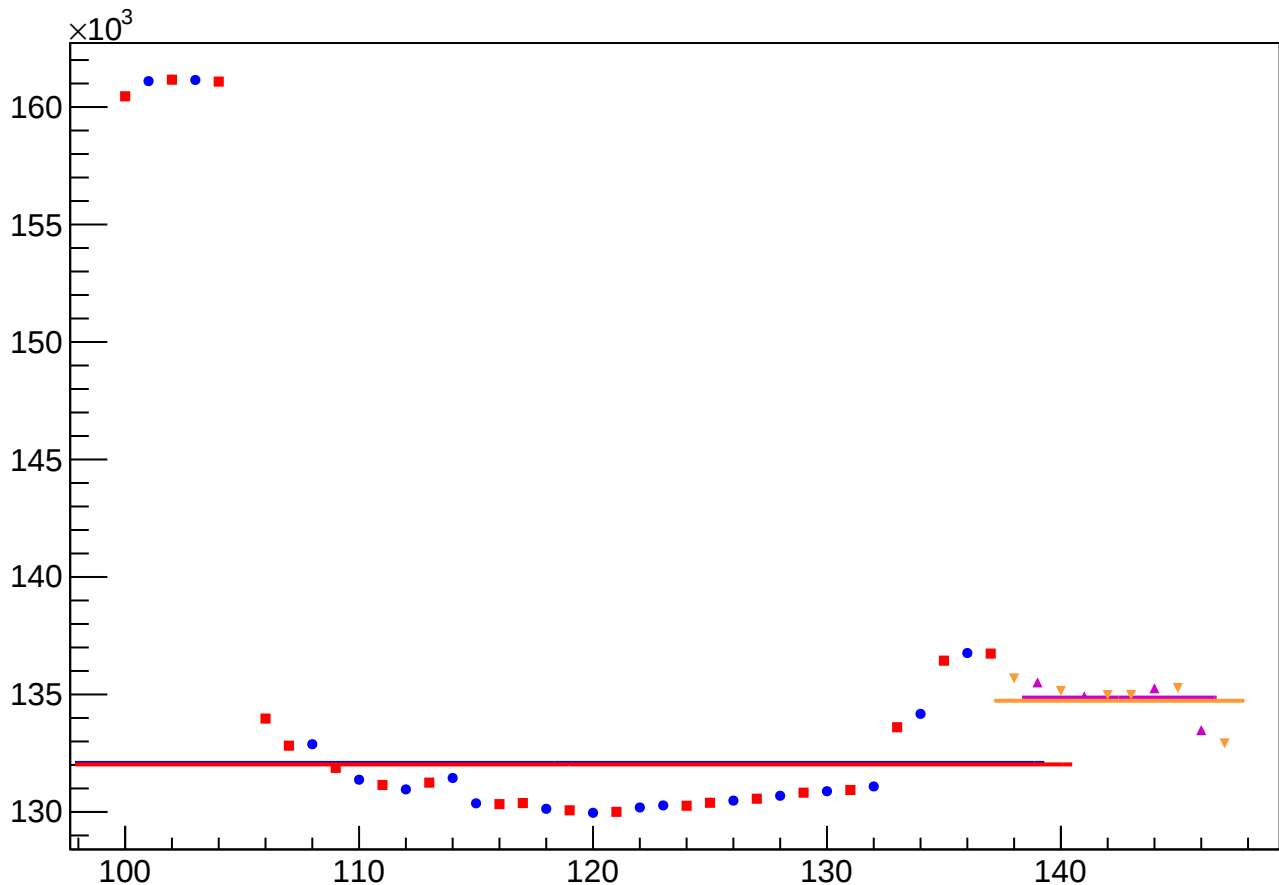
Left In: 174.052 +/- 0.070 χ^2/NDF : 54471.0/3

141.338 +/- 0.032 χ^2/NDF : 1911783.2/22

137.971 +/- 0.023 χ^2/NDF : 3919347.0/46

134.744 +/- 0.032 χ^2/NDF : 1986293.3/23

yield_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16

Left Out: 134733.107 $\pm$ 0.089 χ^2 /NDF: 118584709.9/5

Right Out: 132023.609 $\pm$ 0.052 χ^2 /NDF: 5890492527.2/19

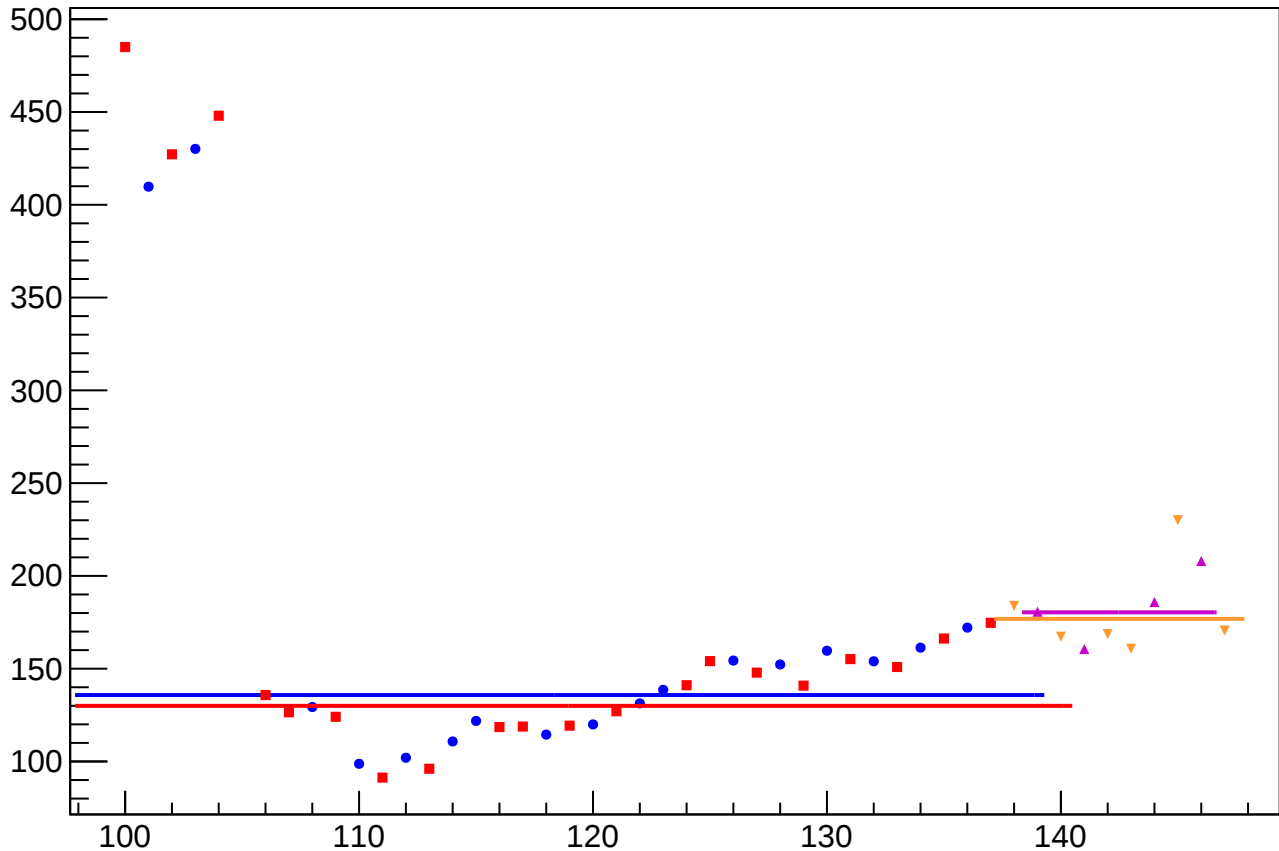
Left In: 134866.741 $\pm$ 0.102 χ^2 /NDF: 47009888.8/3

132852.099 $\pm$ 0.048 χ^2 /NDF: 7485673084.5/22

132730.163 $\pm$ 0.033 χ^2 /NDF: 140491748

132613.747 $\pm$ 0.047 χ^2 /NDF: 6550704480.1/23

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 135.796 +/- 0.040 χ^2/NDF : 1441904.9/16

Left Out: 176.849 +/- 0.063 χ^2/NDF : 104869.8/5

Right Out: 129.975 +/- 0.037 χ^2/NDF : 1504768.0/19

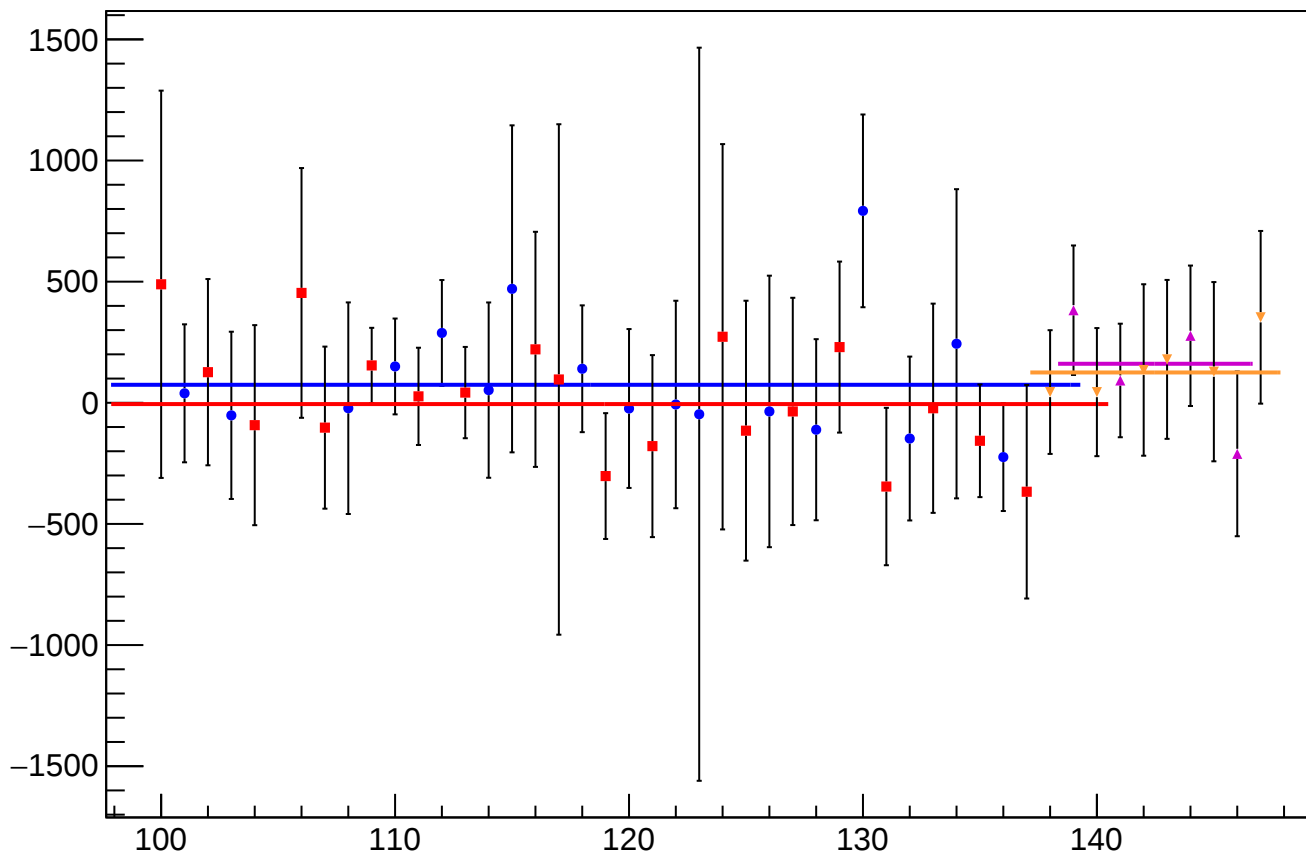
Left In: 180.369 +/- 0.072 χ^2/NDF : 54433.6/3

147.669 +/- 0.034 χ^2/NDF : 1851862.2/22

143.968 +/- 0.024 χ^2/NDF : 3819938.6/46

140.435 +/- 0.033 χ^2/NDF : 1944504.6/23

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 74.294+/-79.018 χ^2/NDF : 7.7/16

Left Out: 125.175+/-126.894 χ^2/NDF : 0.6/5

Right Out: -5.290+/-69.914 χ^2/NDF : 7.1/19

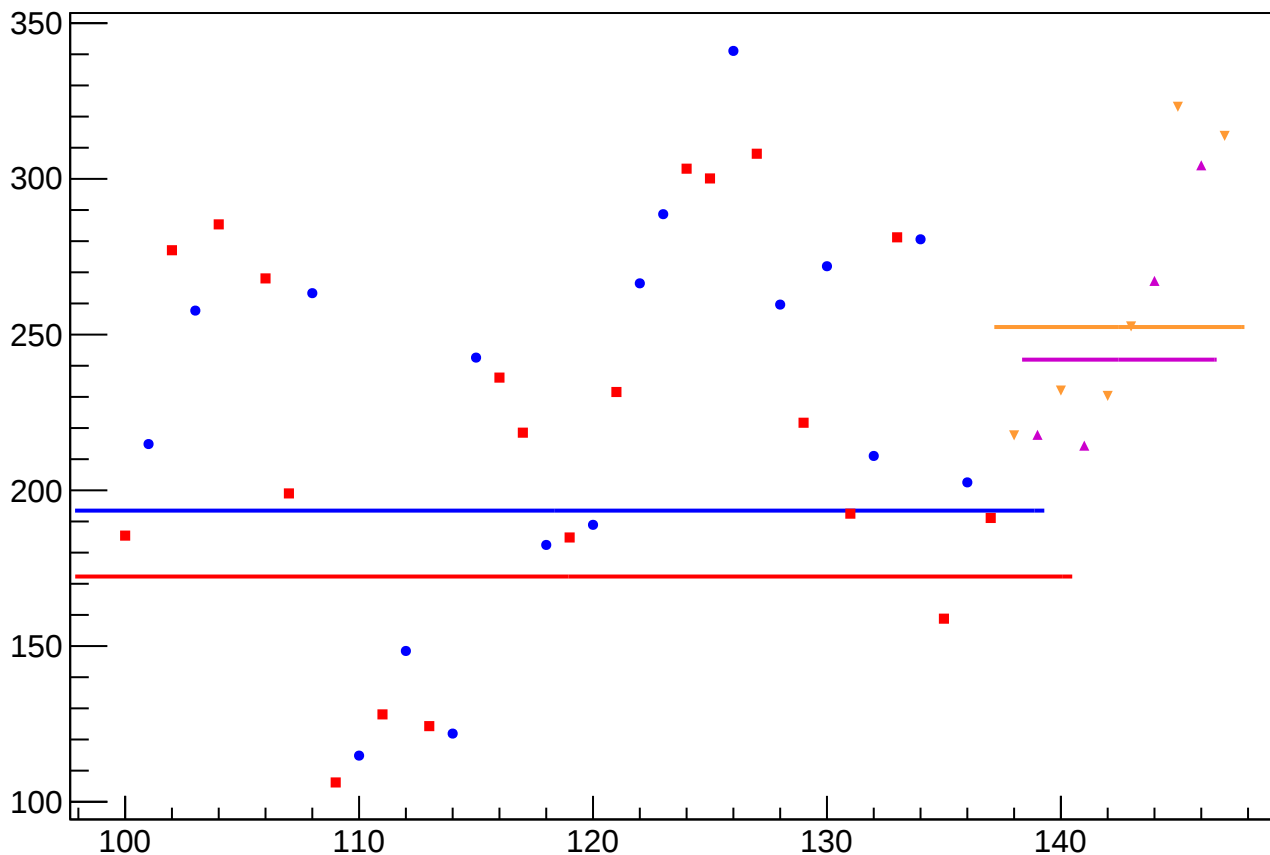
Left In: 161.061+/-137.670 χ^2/NDF : 2.1/3

88.511+/-67.076 χ^2/NDF : 8.4/22

56.480+/-45.662 χ^2/NDF : 19.3/46

28.816+/-62.337 χ^2/NDF : 10.4/23

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.488 $\pm$ 0.056 χ^2/NDF : 1017195.7/16

Left Out: 252.433 $\pm$ 0.090 χ^2/NDF :189234.9/5

Right Out: 172.327 $\pm$ 0.049 χ^2/NDF : 1583701.4/19

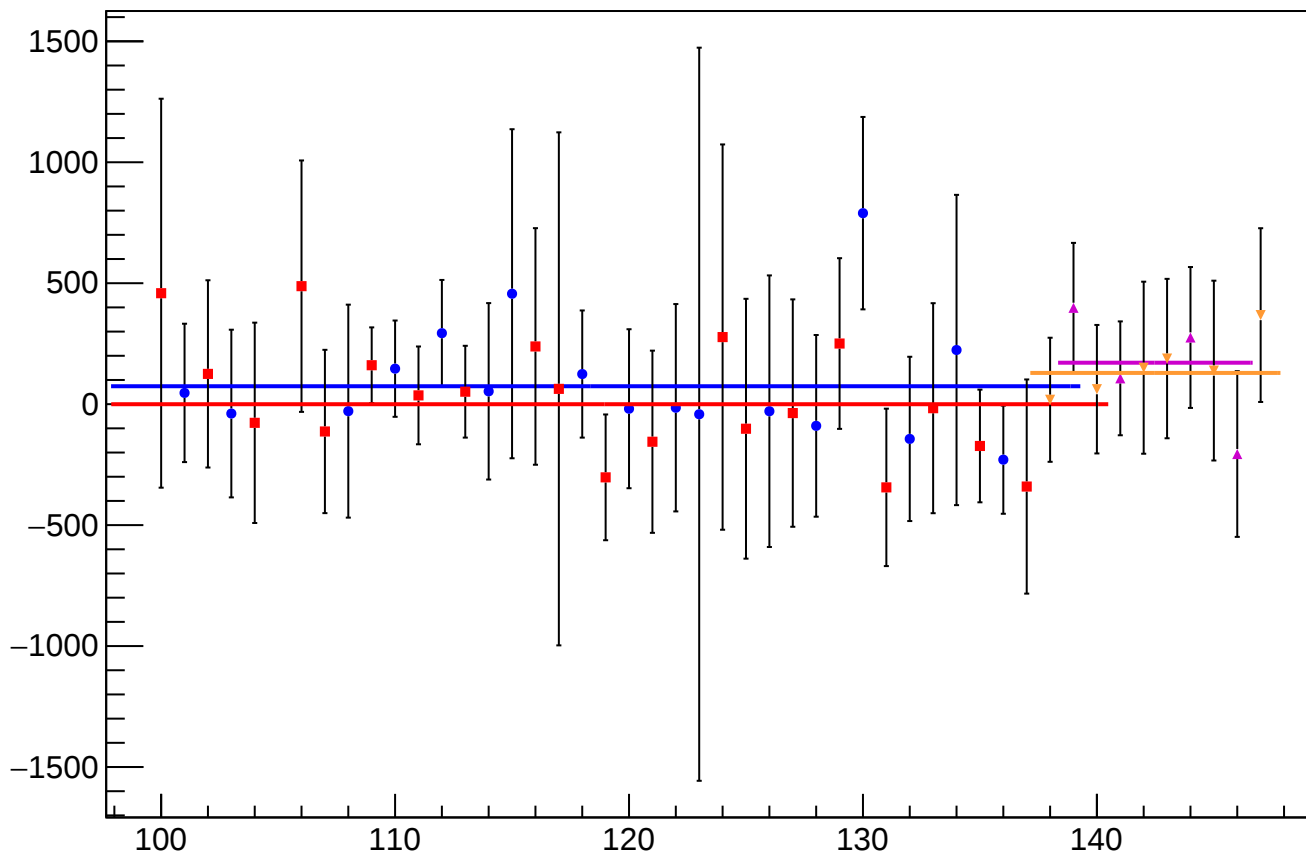
Left In: 241.960 $\pm$ 0.097 χ^2/NDF :126649.5/3

209.958 $\pm$ 0.047 χ^2/NDF : 1517402.1/22

197.426 $\pm$ 0.032 χ^2/NDF : 3764616.0/46

186.603 $\pm$ 0.044 χ^2/NDF : 2117113.5/23

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 74.098+/-79.404 χ^2/NDF : 7.6/16

Left Out: 129.129+/-127.524 χ^2/NDF : 0.7/5

Right Out: -0.223+/-70.282 χ^2/NDF : 7.3/19

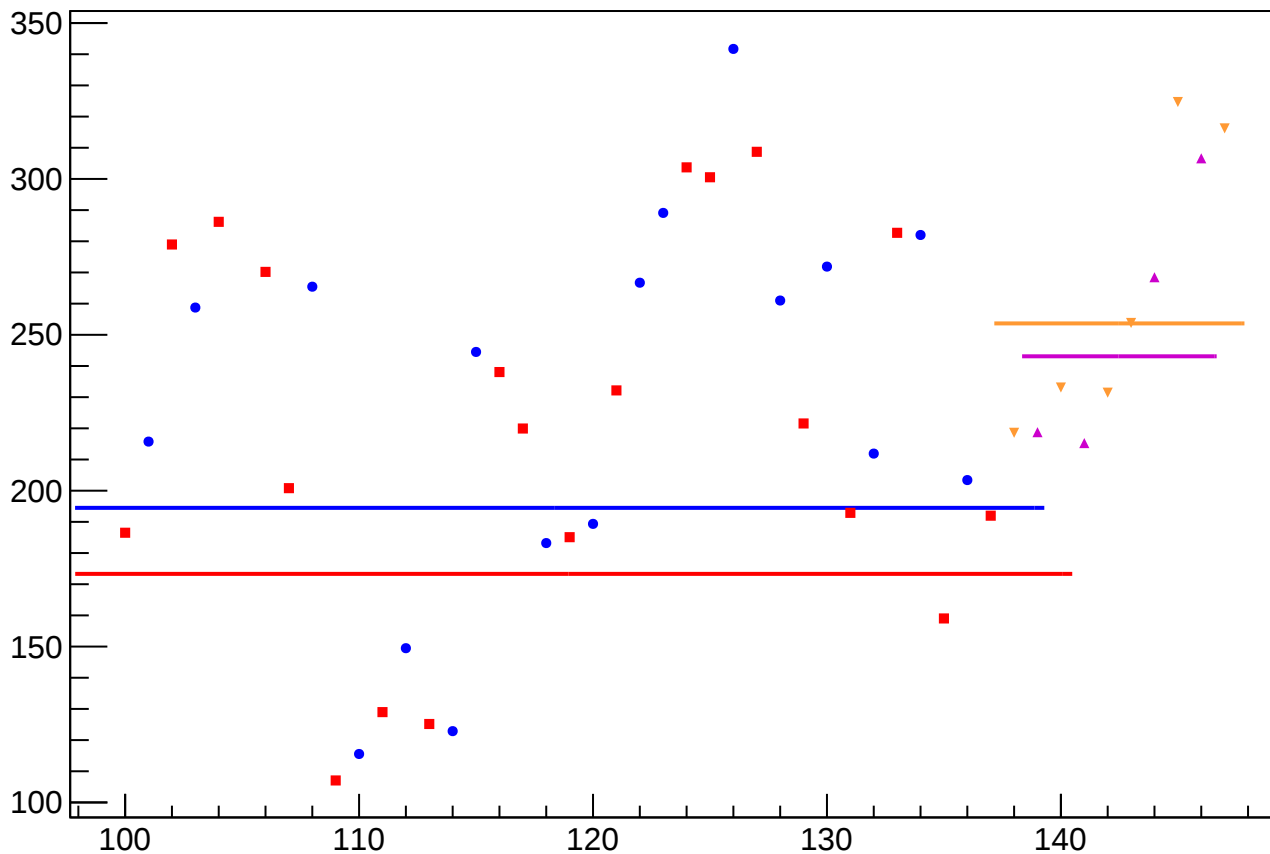
Left In: 171.336+/-138.343 χ^2/NDF : 2.1/3

89.472+/-67.405 χ^2/NDF : 8.4/22

60.236+/-45.893 χ^2/NDF : 19.4/46

34.971+/-62.660 χ^2/NDF : 10.7/23

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.496 $\pm$ 0.056 χ^2/NDF : 1008514.7/16

Left Out: 253.657 $\pm$ 0.090 χ^2/NDF : 190939.7/5

Right Out: 173.317 $\pm$ 0.050 χ^2/NDF : 1571258.4/19

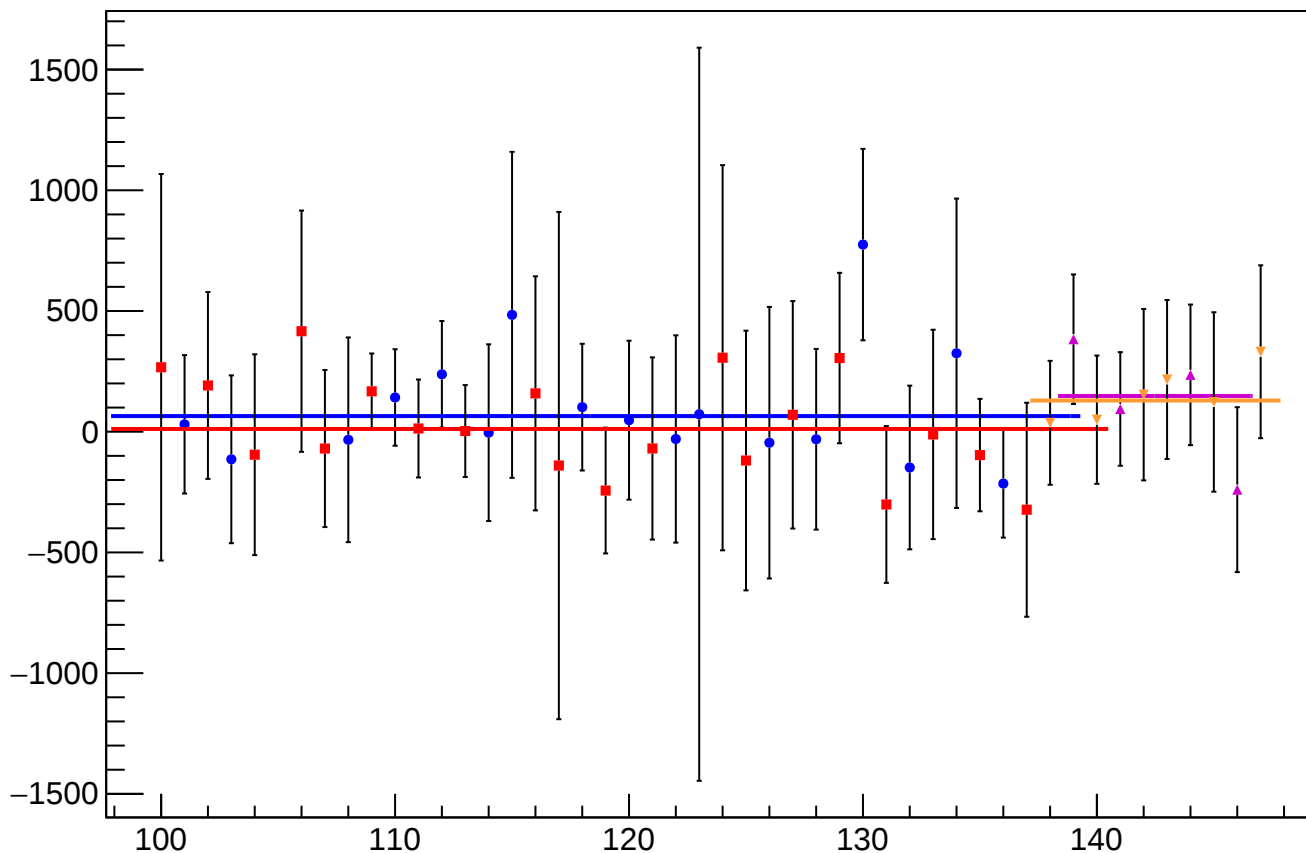
Left In: 243.106 $\pm$ 0.098 χ^2/NDF : 128340.9/3

211.025 $\pm$ 0.048 χ^2/NDF : 1509634.8/22

198.477 $\pm$ 0.032 χ^2/NDF : 3742991.0/46

187.634 $\pm$ 0.044 χ^2/NDF : 2104156.6/23

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 64.733 ± 79.399 χ^2/NDF : 7.0/16

Left Out: 129.243 ± 127.460 χ^2/NDF : 0.6/5

Right Out: 11.414 ± 70.204 χ^2/NDF : 5.8/19

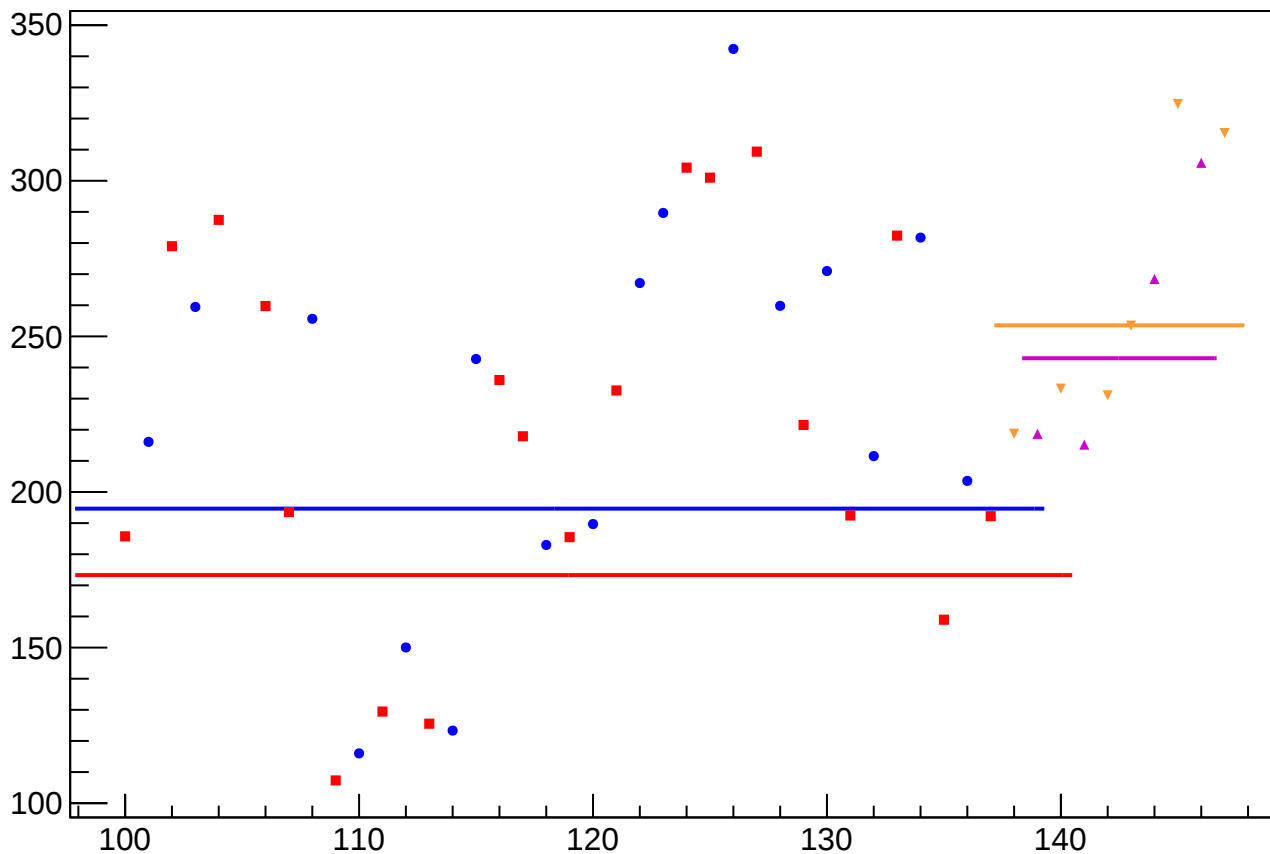
Left In: 148.102 ± 138.249 χ^2/NDF : 2.2/3

82.767 ± 67.393 χ^2/NDF : 7.8/22

59.505 ± 45.864 χ^2/NDF : 16.9/46

39.436 ± 62.595 χ^2/NDF : 8.8/23

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.652 $\pm$ 0.056 χ^2 /NDF: 986798.9/16

Left Out: 253.558 $\pm$ 0.090 χ^2 /NDF: 189320.0/5

Right Out: 173.289 $\pm$ 0.050 χ^2 /NDF: 1548162.6/19

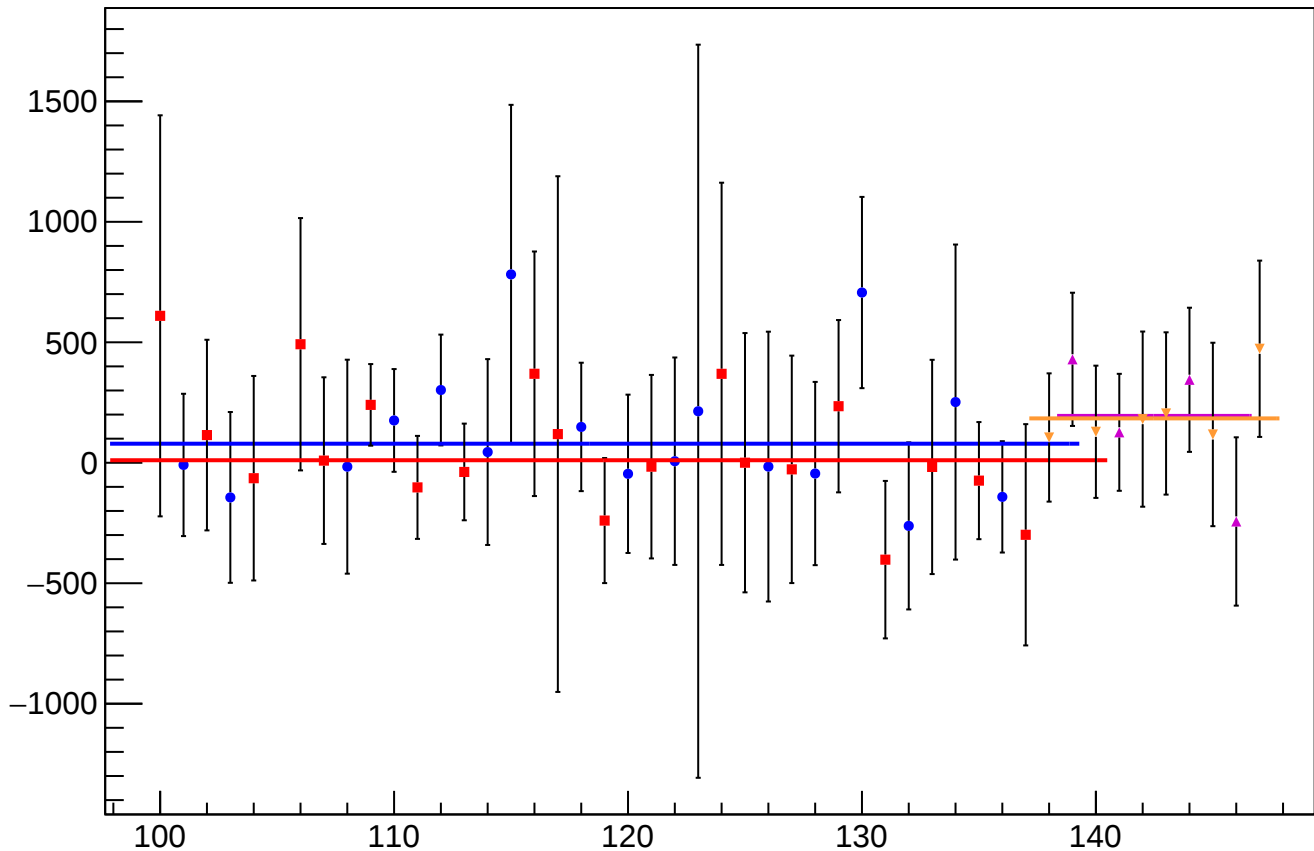
Left In: 242.971 $\pm$ 0.098 χ^2 /NDF: 127117.9/3

211.120 $\pm$ 0.048 χ^2 /NDF: 1483871.4/22

198.479 $\pm$ 0.032 χ^2 /NDF: 3694153.0/46

187.574 $\pm$ 0.044 χ^2 /NDF: 2079215.8/23

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 79.128 ± 81.874 $\chi^2/\text{NDF}: 7.5/16$

Left Out: 184.170 ± 131.144 $\chi^2/\text{NDF}: 0.8/5$

Right Out: 10.491 ± 73.139 $\chi^2/\text{NDF}: 7.9/19$

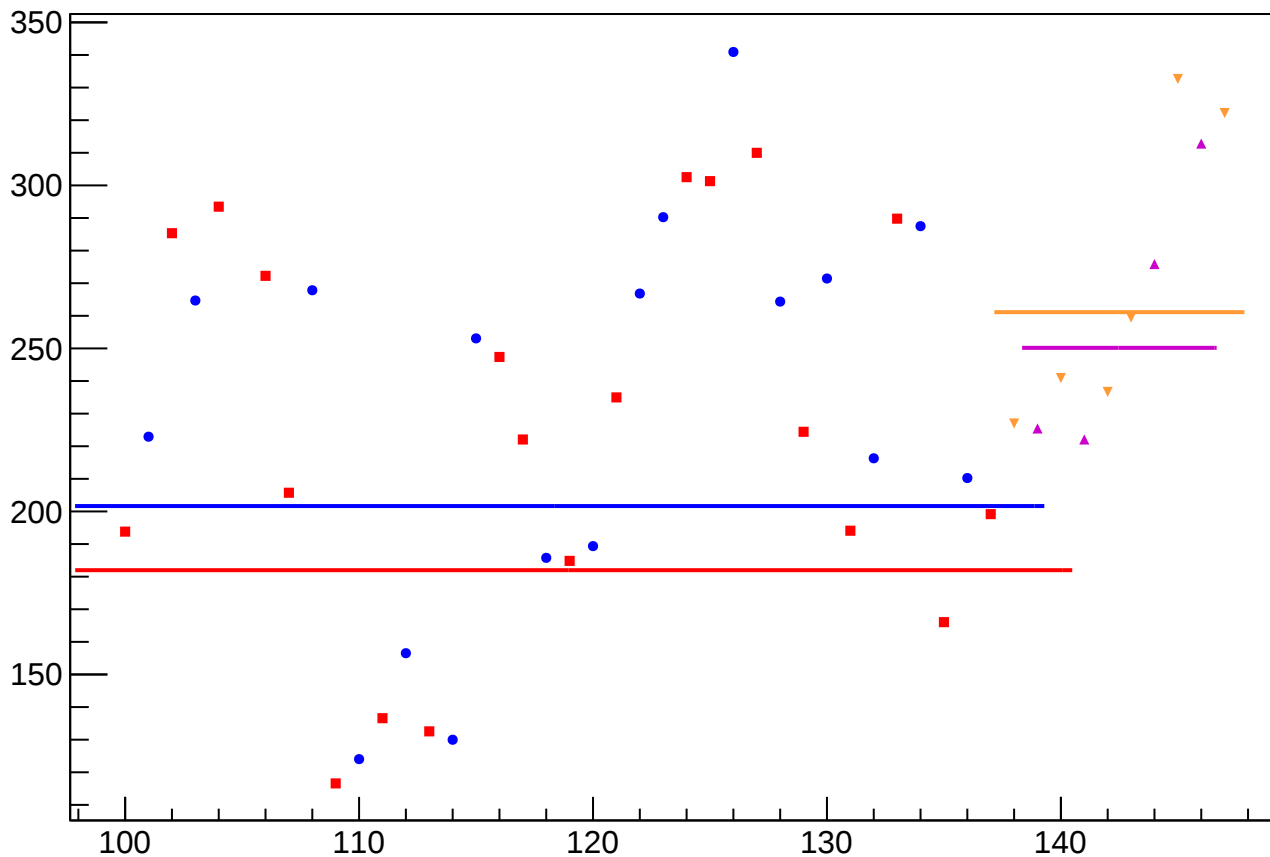
Left In: 194.488 ± 142.241 $\chi^2/\text{NDF}: 2.6/3$

108.588 ± 69.451 $\chi^2/\text{NDF}: 8.8/22$

76.825 ± 47.475 $\chi^2/\text{NDF}: 21.0/46$

48.966 ± 65.044 $\chi^2/\text{NDF}: 11.8/23$

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 201.654 $\pm$ 0.058 χ^2/NDF : 883179.7/16

Left Out: 261.120 $\pm$ 0.093 χ^2/NDF : 179176.4/5

Right Out: 181.986 $\pm$ 0.052 χ^2/NDF : 1380269.0/19

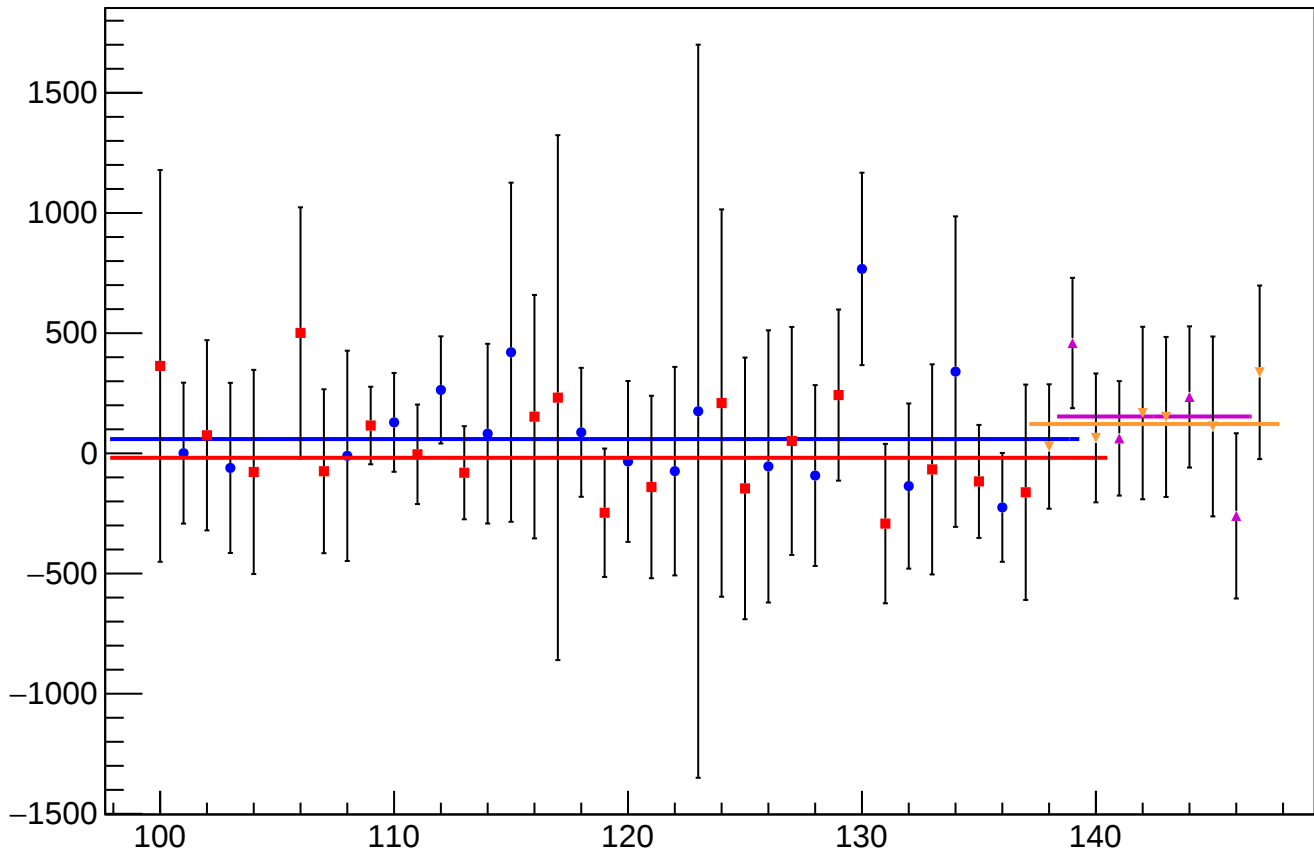
Left In: 250.181 $\pm$ 0.101 χ^2/NDF : 121906.4/3

218.332 $\pm$ 0.049 χ^2/NDF : 1358244.1/22

206.566 $\pm$ 0.034 χ^2/NDF : 3331760.3/46

196.246 $\pm$ 0.046 χ^2/NDF : 1865766.0/23

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.496 $\pm$ 80.808 χ^2/NDF : 7.0/16

Left Out: 122.050 $\pm$ 128.629 χ^2/NDF : 0.6/5

Right Out: -18.457 $\pm$ 71.711 χ^2/NDF : 4.8/19

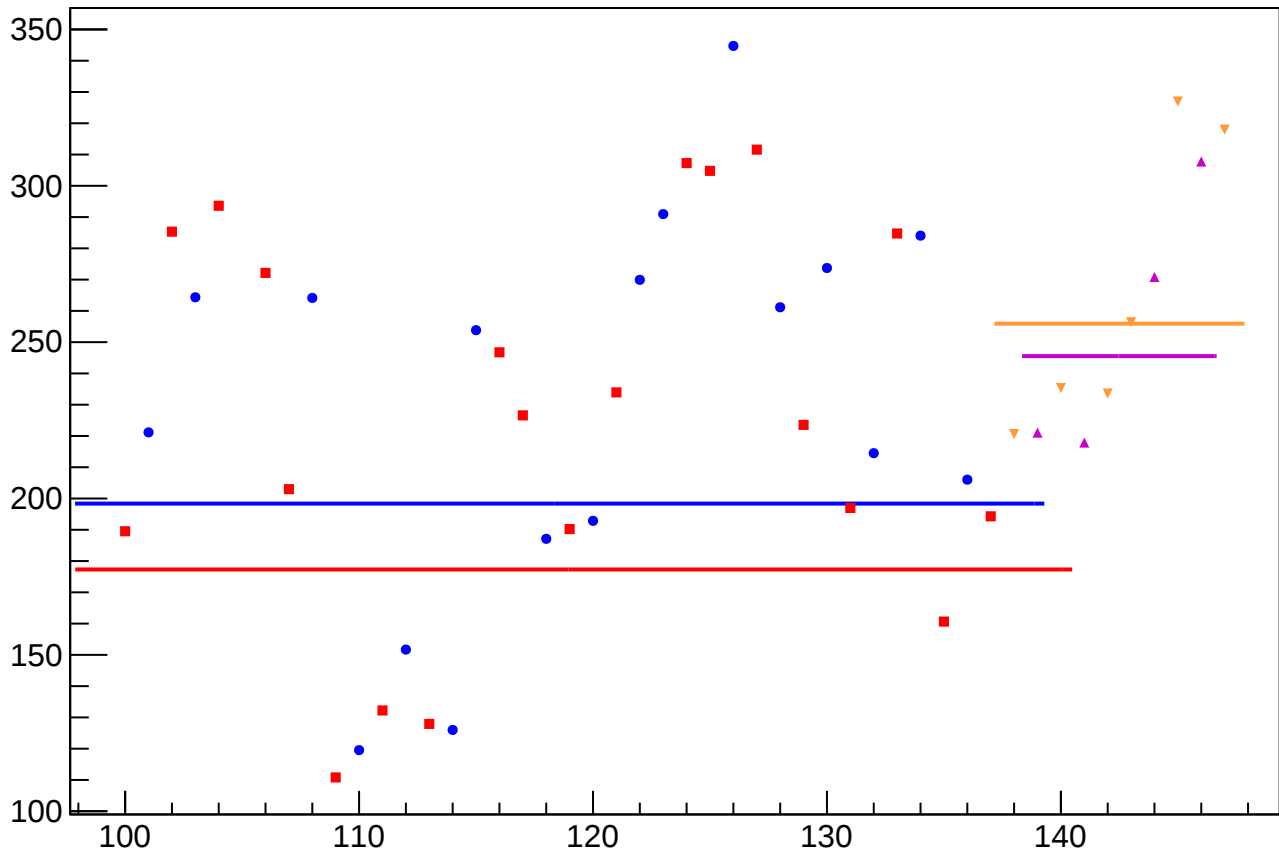
Left In: 153.326 $\pm$ 139.651 χ^2/NDF : 2.9/3

77.198 $\pm$ 68.426 χ^2/NDF : 7.7/22

45.199 $\pm$ 46.660 χ^2/NDF : 17.1/46

17.388 $\pm$ 63.792 χ^2/NDF : 8.9/23

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.378 $\pm$ 0.057 χ^2 /NDF: 963672.6/16

Left Out: 255.917 $\pm$ 0.091 χ^2 /NDF:187877.7/5

Right Out: 177.309 $\pm$ 0.051 χ^2 /NDF: 1528855.2/19

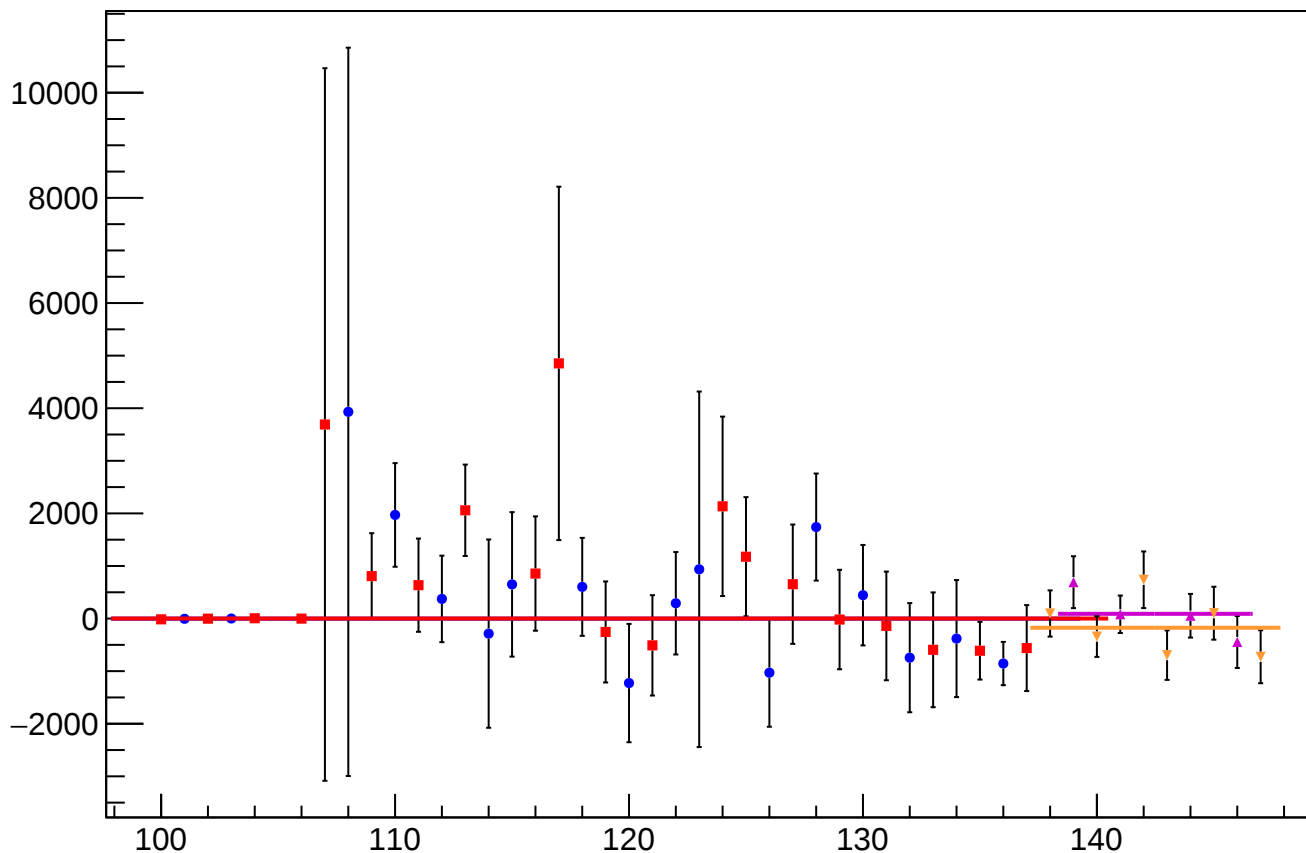
Left In: 245.535 $\pm$ 0.099 χ^2 /NDF:123624.1/3

214.661 $\pm$ 0.048 χ^2 /NDF: 1438496.1/22

202.294 $\pm$ 0.033 χ^2 /NDF: 3590828.2/46

191.545 $\pm$ 0.045 χ^2 /NDF: 2030223.2/23

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -174.743 ± 189.915 χ^2/NDF : 6.2/5

Right Out: 0.728 ± 2.111 χ^2/NDF : 21.4/19

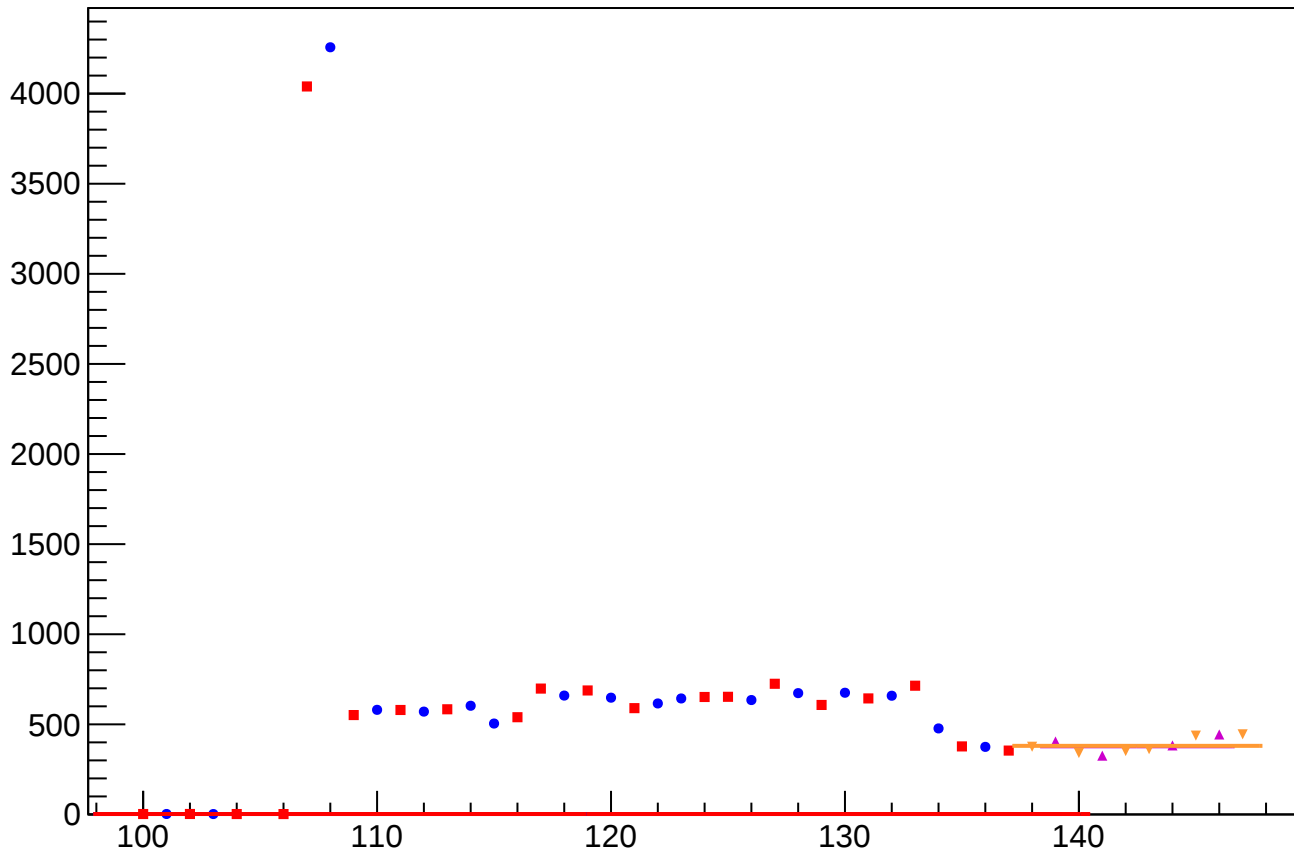
Left In: 90.515 ± 213.698 χ^2/NDF : 2.7/3

-1.554 ± 2.251 χ^2/NDF : 24.0/22

-0.335 ± 1.540 χ^2/NDF : 48.7/46

0.737 ± 2.111 χ^2/NDF : 24.2/23

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 380.742+/-0.134 χ^2/NDF : 88016.5/5

Right Out: 2.437+/-0.001 χ^2/NDF : 11233207.9/19

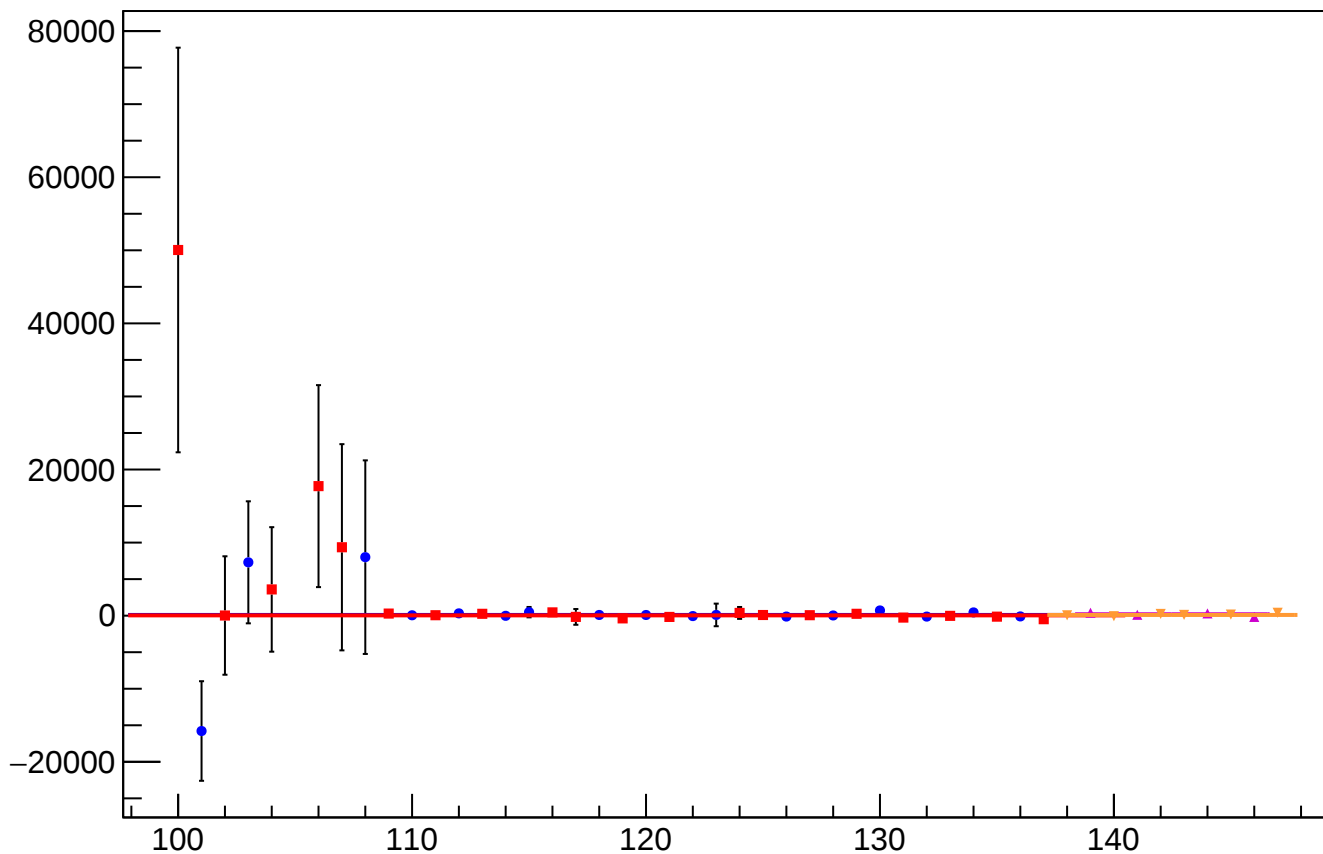
Left In: 378.111+/-0.151 χ^2/NDF : 83950.0/3

2.510+/-0.002 χ^2/NDF : 18869807.6/22

2.491+/-0.001 χ^2/NDF : 36367523.0/46

2.474+/-0.001 χ^2/NDF : 17497441.1/23

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: 100.104+/-133.424 χ^2/NDF : 1.2/5

Right Out: 41.024+/-84.237 χ^2/NDF : 13.9/19

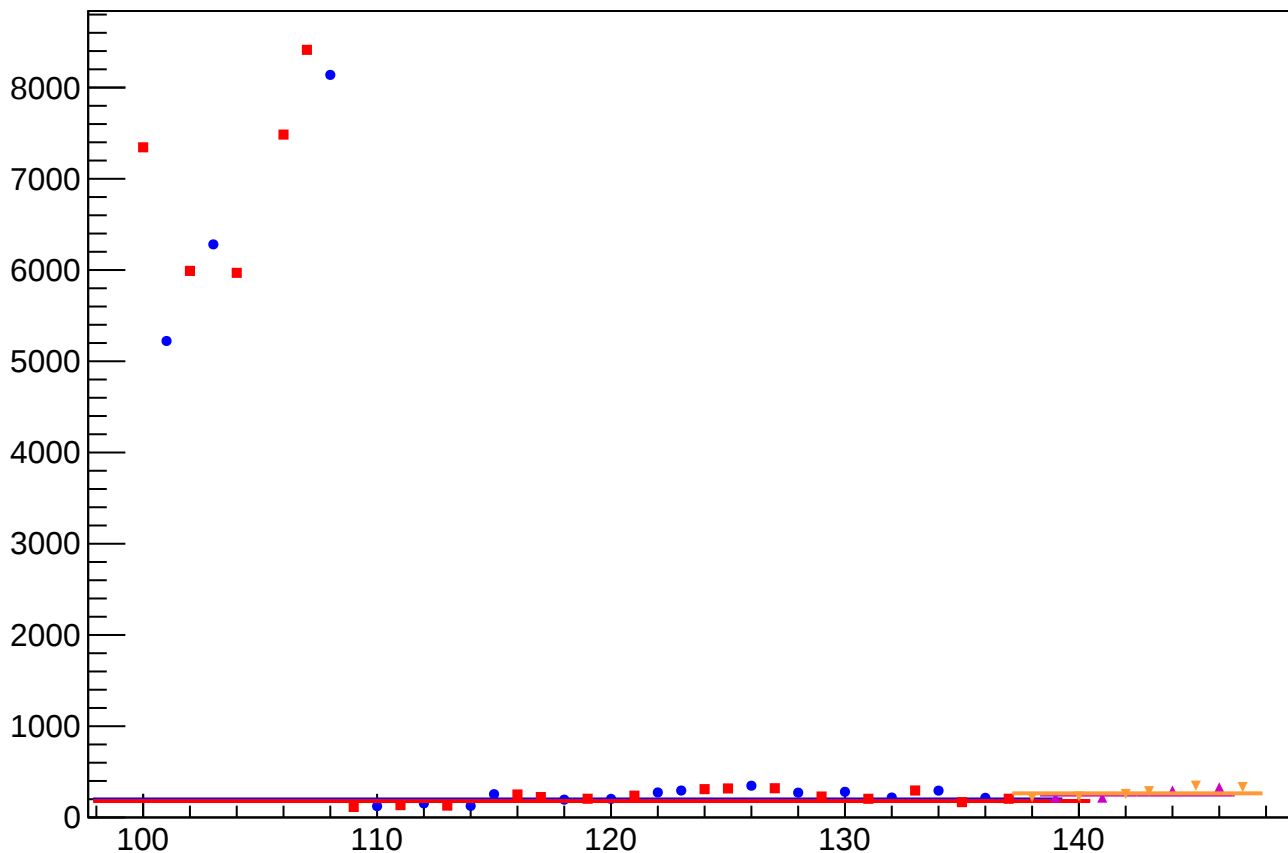
Left In: 195.764+/-143.555 χ^2/NDF : 1.8/3

99.106+/-75.100 χ^2/NDF : 13.1/22

89.576+/-52.217 χ^2/NDF : 29.7/46

80.658+/-72.653 χ^2/NDF : 16.6/23

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.086+/-0.064 χ^2/NDF : 3693614.0/16

Left Out: 264.190+/-0.094 χ^2/NDF : 253655.2/5

Right Out: 180.217+/-0.060 χ^2/NDF : 4324457.3/19

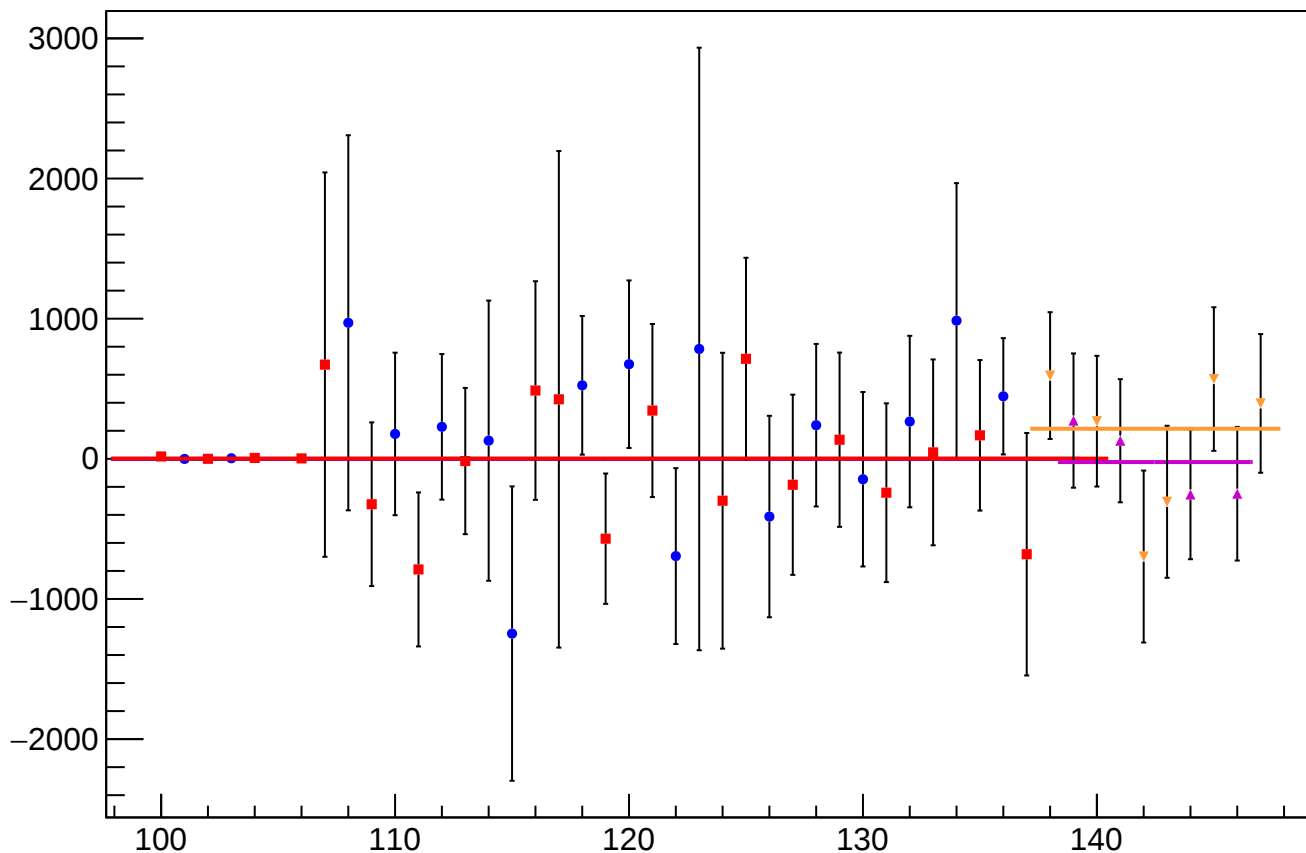
Left In: 250.697+/-0.102 χ^2/NDF : 199133.1/3

218.346+/-0.053 χ^2/NDF : 4292886.5/22

207.975+/-0.037 χ^2/NDF : 9248912.0/46

198.269+/-0.051 χ^2/NDF : 4882194.7/23

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: 214.548 ± 206.555 χ^2/NDF : 4.5/5

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.7/19

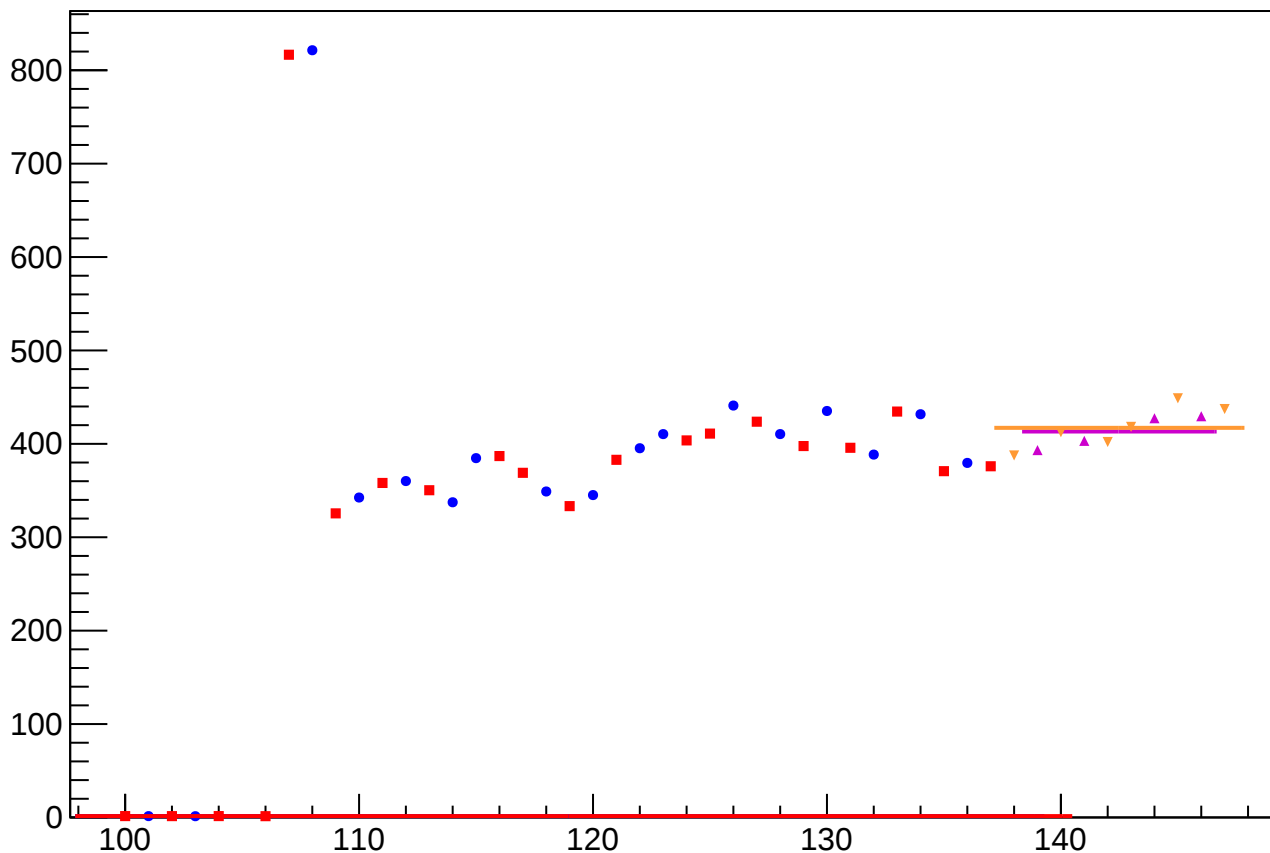
Left In: -23.057 ± 231.689 χ^2/NDF : 1.0/3

-0.123 ± 1.737 χ^2/NDF : 15.3/22

0.649 ± 1.186 χ^2/NDF : 26.3/46

1.323 ± 1.623 χ^2/NDF : 10.7/23

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 417.141+/-0.146 χ^2/NDF :20911.0/5

Right Out: 1.451+/-0.001 χ^2/NDF : 10966832.6/19

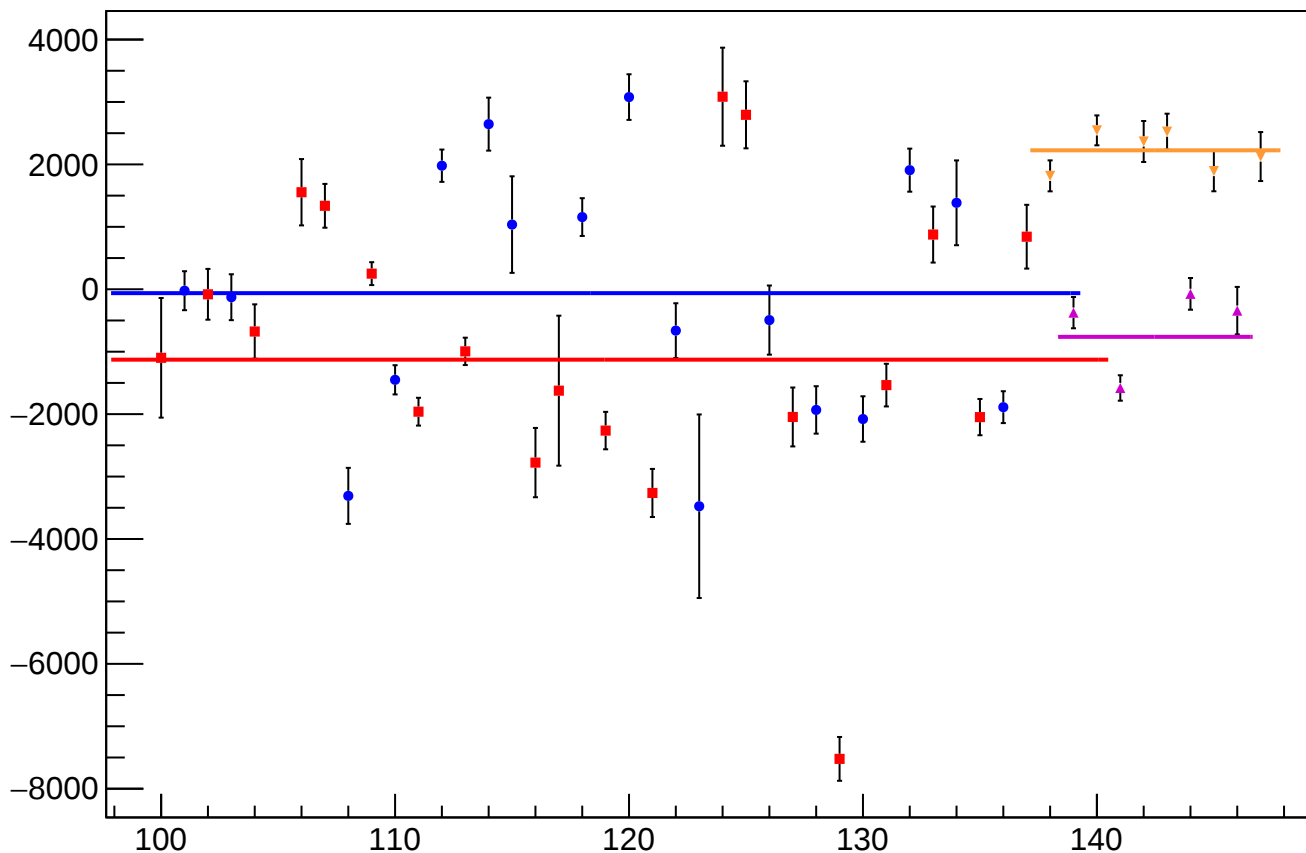
Left In: 413.210+/-0.164 χ^2/NDF :8729.7/3

1.482+/-0.001 χ^2/NDF : 19078474.5/22

1.477+/-0.001 χ^2/NDF : 36370655.8/46

1.472+/-0.001 χ^2/NDF : 17292141.2/23

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -62.164 $\pm$ 87.424 χ^2/NDF : 433.9/16

Left Out: 2225.879 $\pm$ 118.624 χ^2/NDF : 6.9/5

Right Out: -1127.552 $\pm$ 78.203 χ^2/NDF : 671.4/19

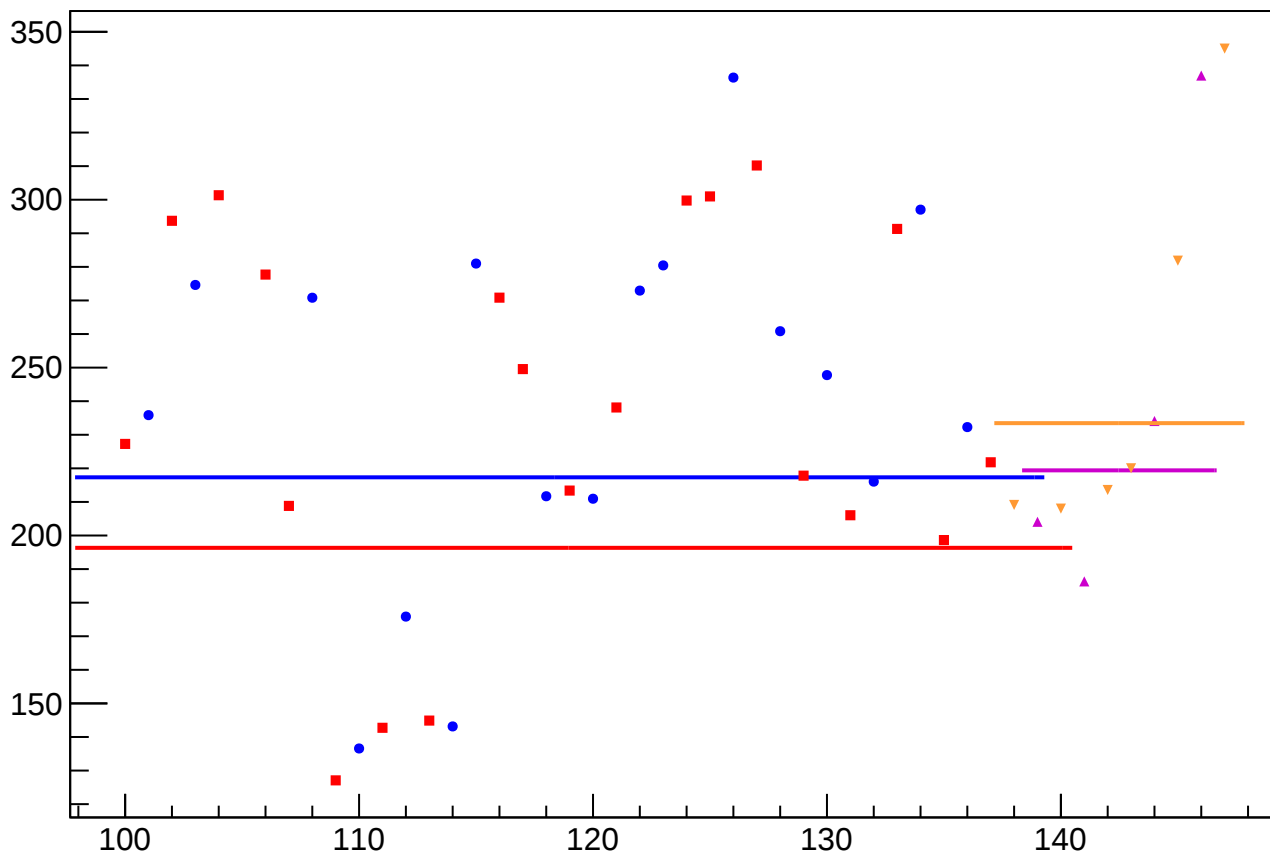
Left In: -762.014 $\pm$ 126.559 χ^2/NDF : 27.1/3

743.160 $\pm$ 70.376 χ^2/NDF : 681.9/22

-191.412 $\pm$ 48.345 χ^2/NDF : 1720.4/46

-1026.547 $\pm$ 66.527 χ^2/NDF : 704.5/23

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.330 +/- 0.062 χ^2/NDF : 652722.5/16

Left Out: 233.462 +/- 0.084 χ^2/NDF : 259780.6/5

Right Out: 196.332 +/- 0.055 χ^2/NDF : 1194678.0/19

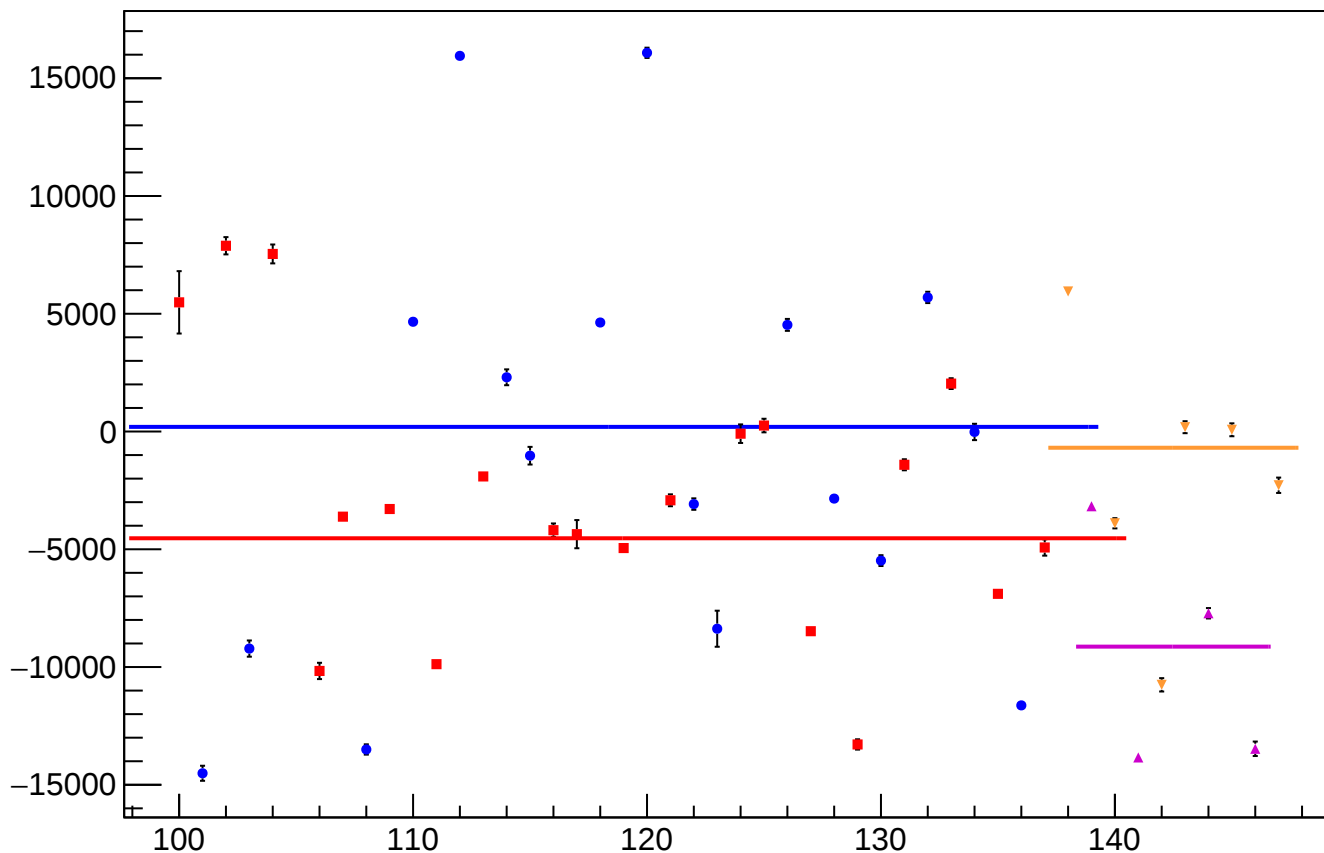
Left In: 219.404 +/- 0.089 χ^2/NDF : 258092.8/3

223.008 +/- 0.050 χ^2/NDF : 936472.6/22

212.287 +/- 0.034 χ^2/NDF : 2525230.9/46

202.707 +/- 0.047 χ^2/NDF : 1500873.3/23

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: -689.055+/-100.239 χ^2/NDF : 2747.1/5

Right Out: -4532.856+/-52.261 χ^2/NDF : 7477.3/19

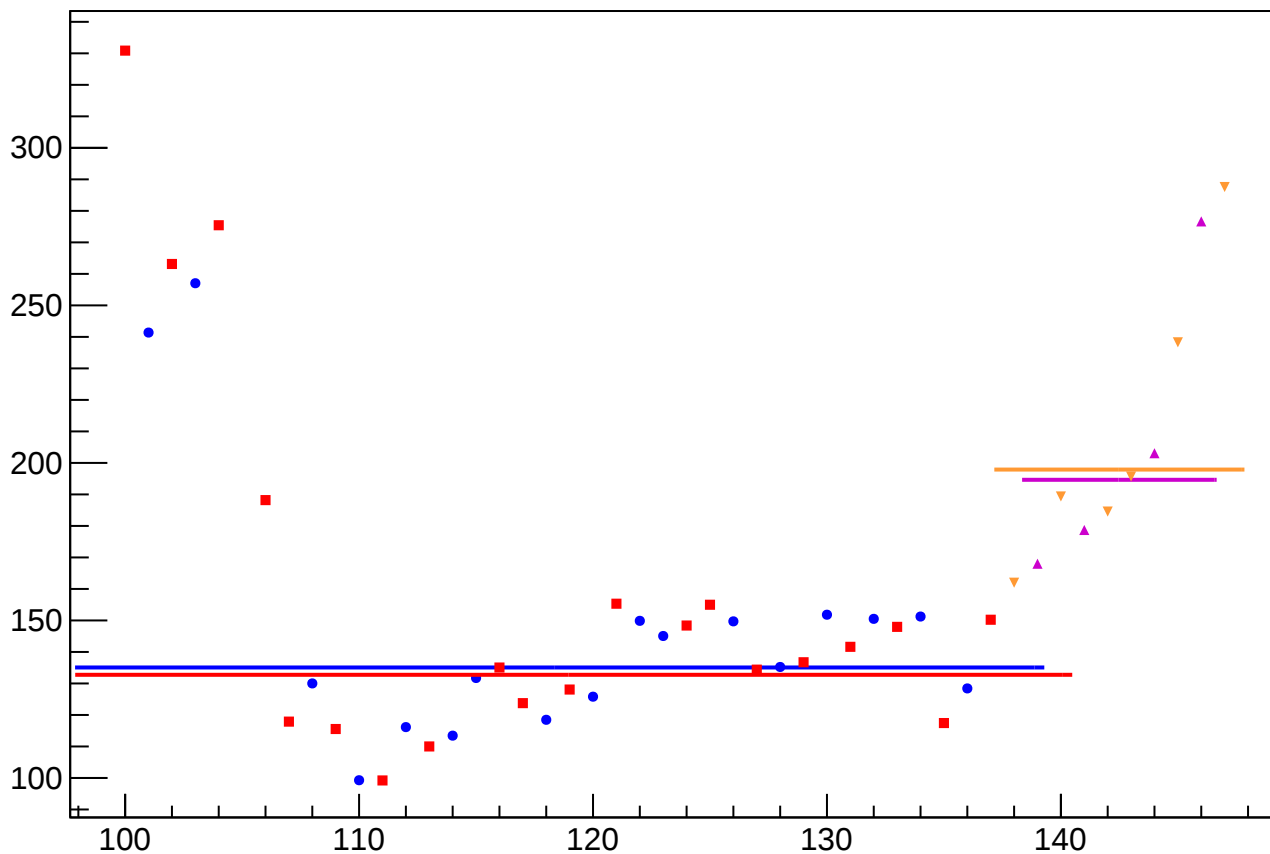
Left In: -9133.540+/-111.231 χ^2/NDF : 1654.7/3

-6.869+/-48.083 χ^2/NDF : 33465.6/22

-2729.779+/-33.720 χ^2/NDF : 50309.4/46

-5364.811+/-47.300 χ^2/NDF : 10533.5/23

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 135.072 +/- 0.039 χ^2/NDF : 658703.5/16

Left Out: 197.890 +/- 0.071 χ^2/NDF : 273749.0/5

Right Out: 132.747 +/- 0.037 χ^2/NDF : 831647.2/19

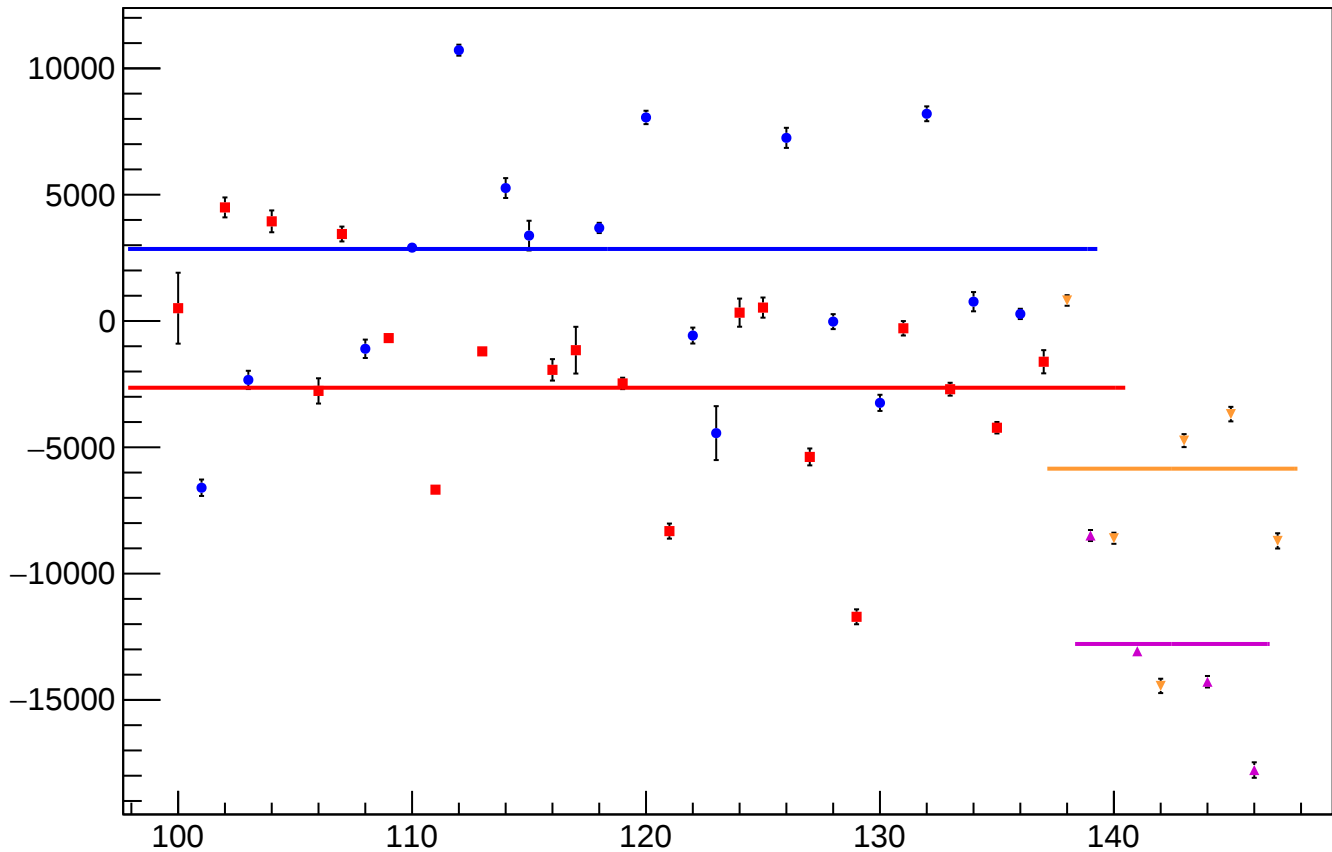
Left In: 194.641 +/- 0.079 χ^2/NDF : 192100.9/3

149.526 +/- 0.034 χ^2/NDF : 1537183.1/22

146.687 +/- 0.024 χ^2/NDF : 3081928.8/46

143.940 +/- 0.033 χ^2/NDF : 1531026.4/23

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -5845.904+/-103.140 χ^2/NDF :2245.7/5

Right Out: -2641.642+/-65.566 χ^2/NDF : 3178.3/19

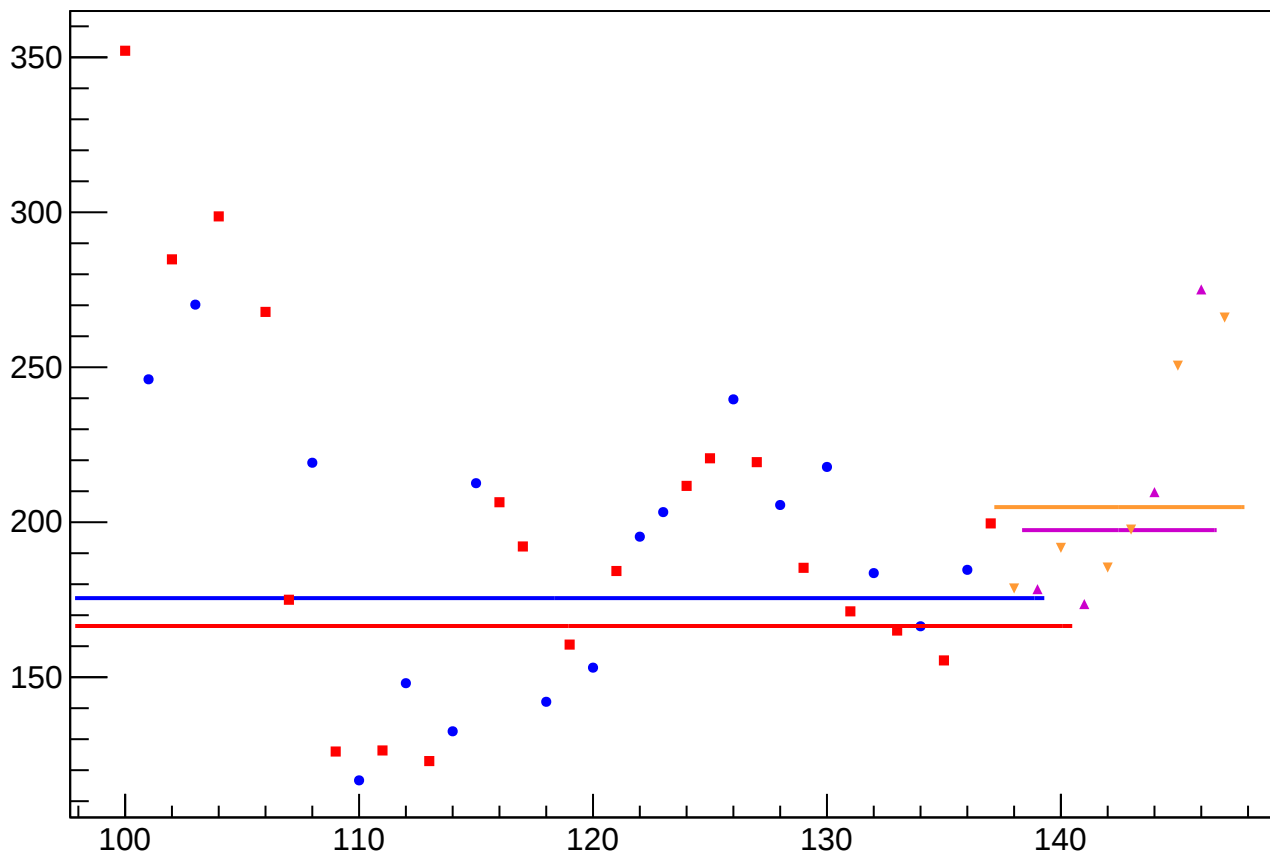
Left In: -12785.010+/-112.761 χ^2/NDF :695.6/3

68.296+/-58.345 χ^2/NDF : 11259.2/22

-2644.407+/-40.655 χ^2/NDF : 25382.3/46

-5204.547+/-56.680 χ^2/NDF : 9921.2/23

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 175.514 +/- 0.050 χ^2/NDF : 689642.3/16

Left Out: 204.882 +/- 0.073 χ^2/NDF : 181759.7/5

Right Out: 166.522 +/- 0.046 χ^2/NDF : 931079.9/19

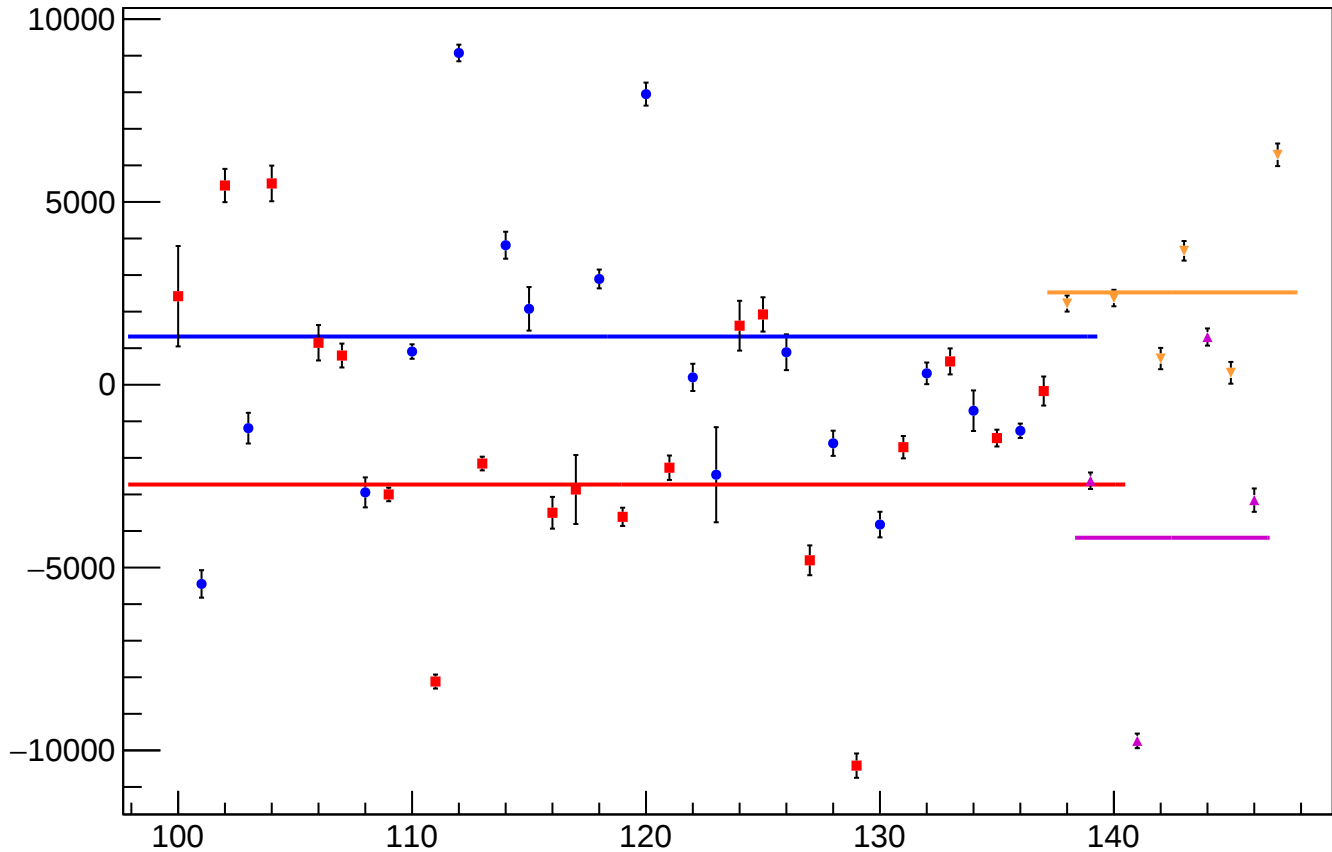
Left In: 197.453 +/- 0.080 χ^2/NDF : 180672.5/3

184.912 +/- 0.041 χ^2/NDF : 981660.8/22

179.472 +/- 0.029 χ^2/NDF : 2239675.3/46

174.338 +/- 0.040 χ^2/NDF : 1224217.8/23

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 2525.101+/-106.779 χ^2/NDF : 261.7/5

Right Out: -2728.550+/-69.837 χ^2/NDF : 2495.9/19

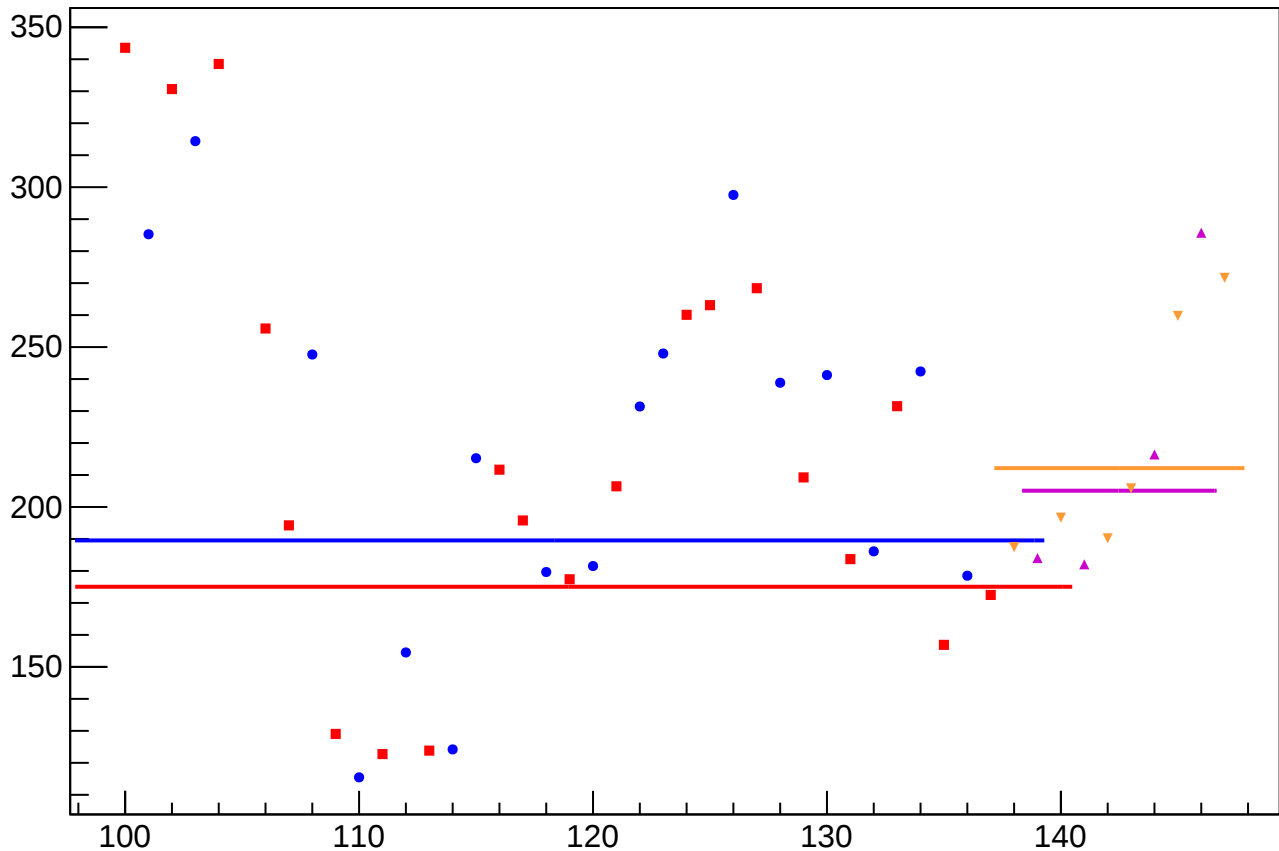
Left In: -4183.811+/-117.156 χ^2/NDF : 1383.5/3

1732.652+/-62.533 χ^2/NDF : 3012.6/22

-789.275+/-43.289 χ^2/NDF : 10129.2/46

-3110.085+/-59.987 χ^2/NDF : 3993.3/23

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 189.544 +/- 0.055 χ^2/NDF : 980744.6/16

Left Out: 212.150 +/- 0.076 χ^2/NDF : 172299.8/5

Right Out: 175.058 +/- 0.049 χ^2/NDF : 1298079.7/19

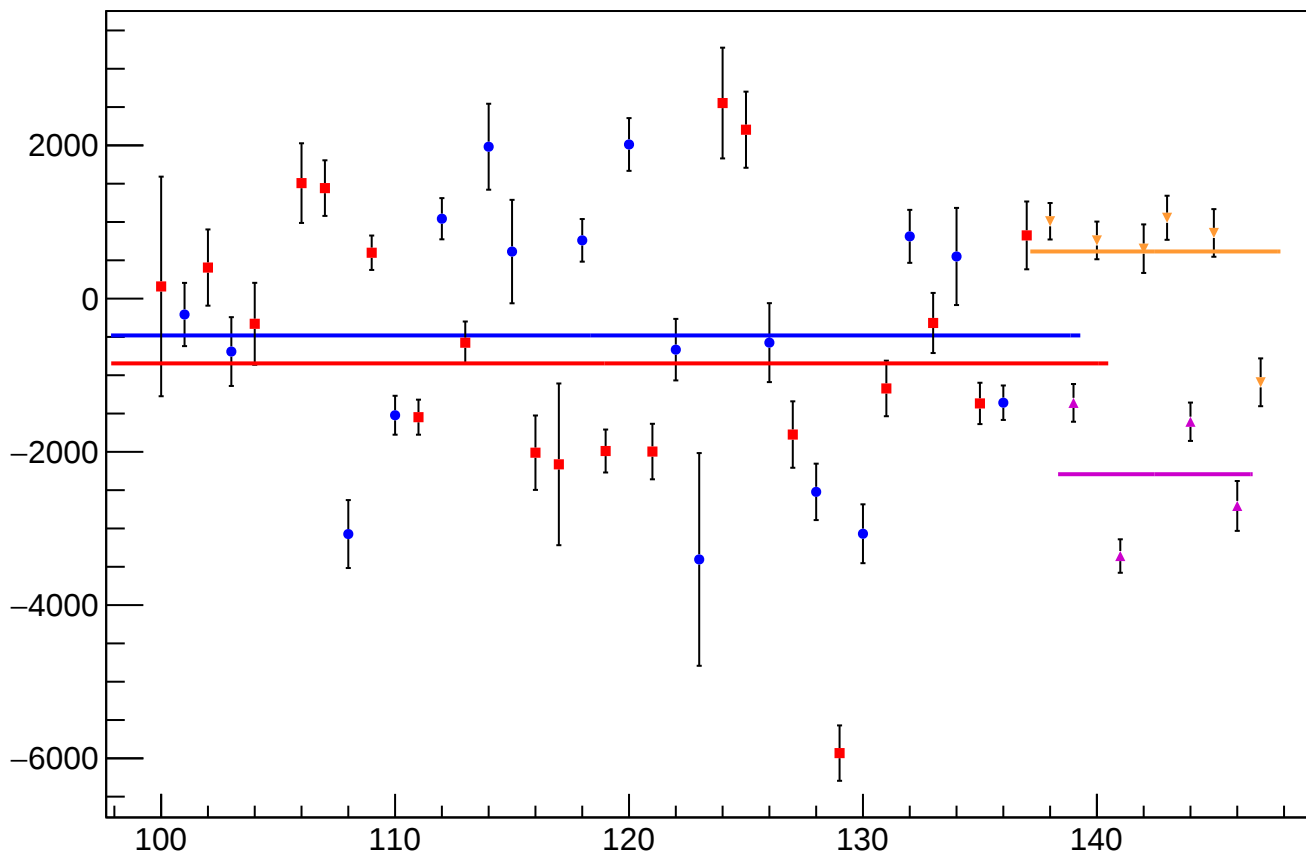
Left In: 205.089 +/- 0.083 χ^2/NDF : 176309.3/3

197.297 +/- 0.044 χ^2/NDF : 1211942.2/22

189.816 +/- 0.031 χ^2/NDF : 2838259.6/46

182.931 +/- 0.042 χ^2/NDF : 1571346.5/23

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -480.578+/-88.640 χ^2/NDF : 290.7/16

Left Out: 615.280+/-114.068 χ^2/NDF : 36.0/5

Right Out: -845.444+/-81.995 χ^2/NDF : 436.9/19

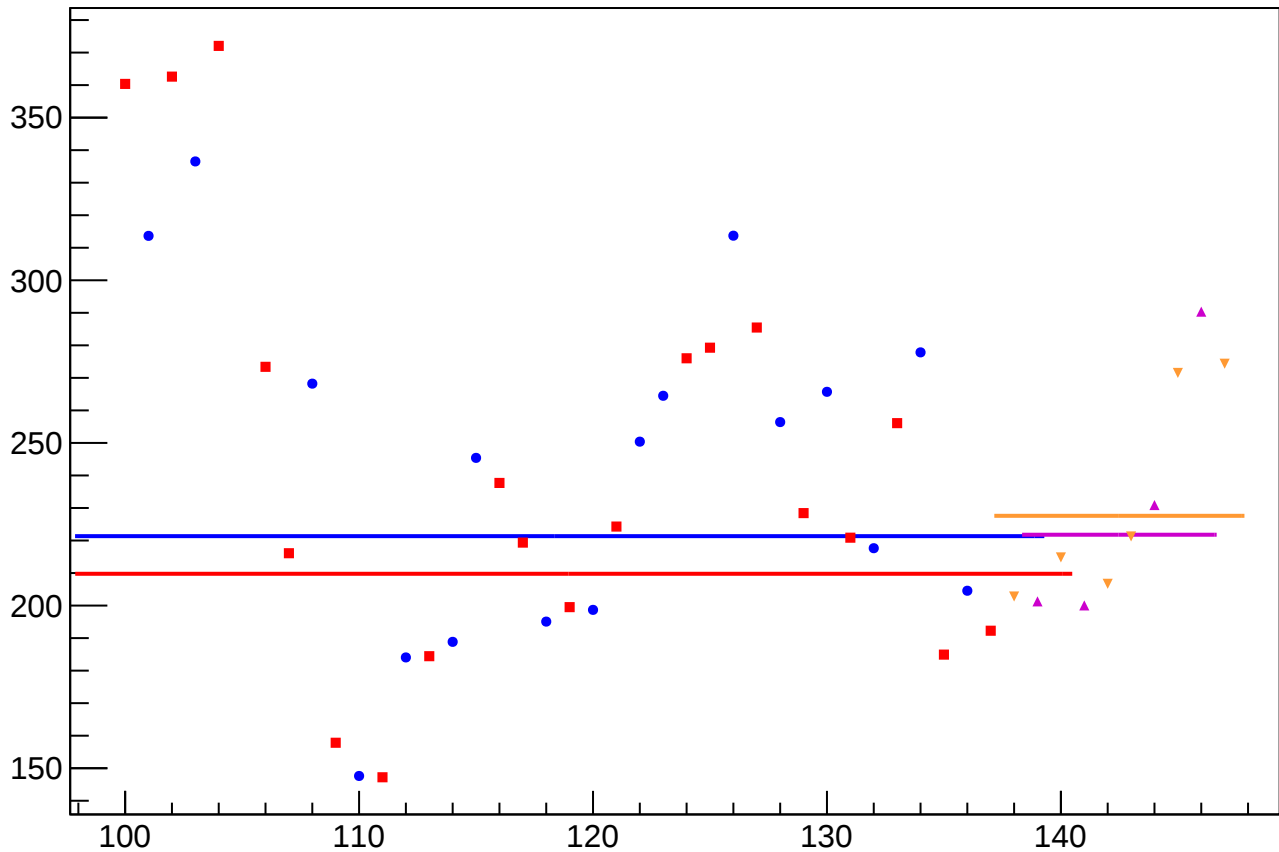
Left In: -2291.826+/-126.148 χ^2/NDF : 47.3/3

-67.983+/-69.992 χ^2/NDF : 384.2/22

-682.325+/-49.046 χ^2/NDF : 1112.2/46

-1275.027+/-68.748 χ^2/NDF : 576.6/23

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.342 $\pm$ 0.063 χ^2/NDF : 645688.1/16

Left Out: 227.595 $\pm$ 0.081 χ^2/NDF : 121610.7/5

Right Out: 209.775 $\pm$ 0.058 χ^2/NDF : 884083.7/19

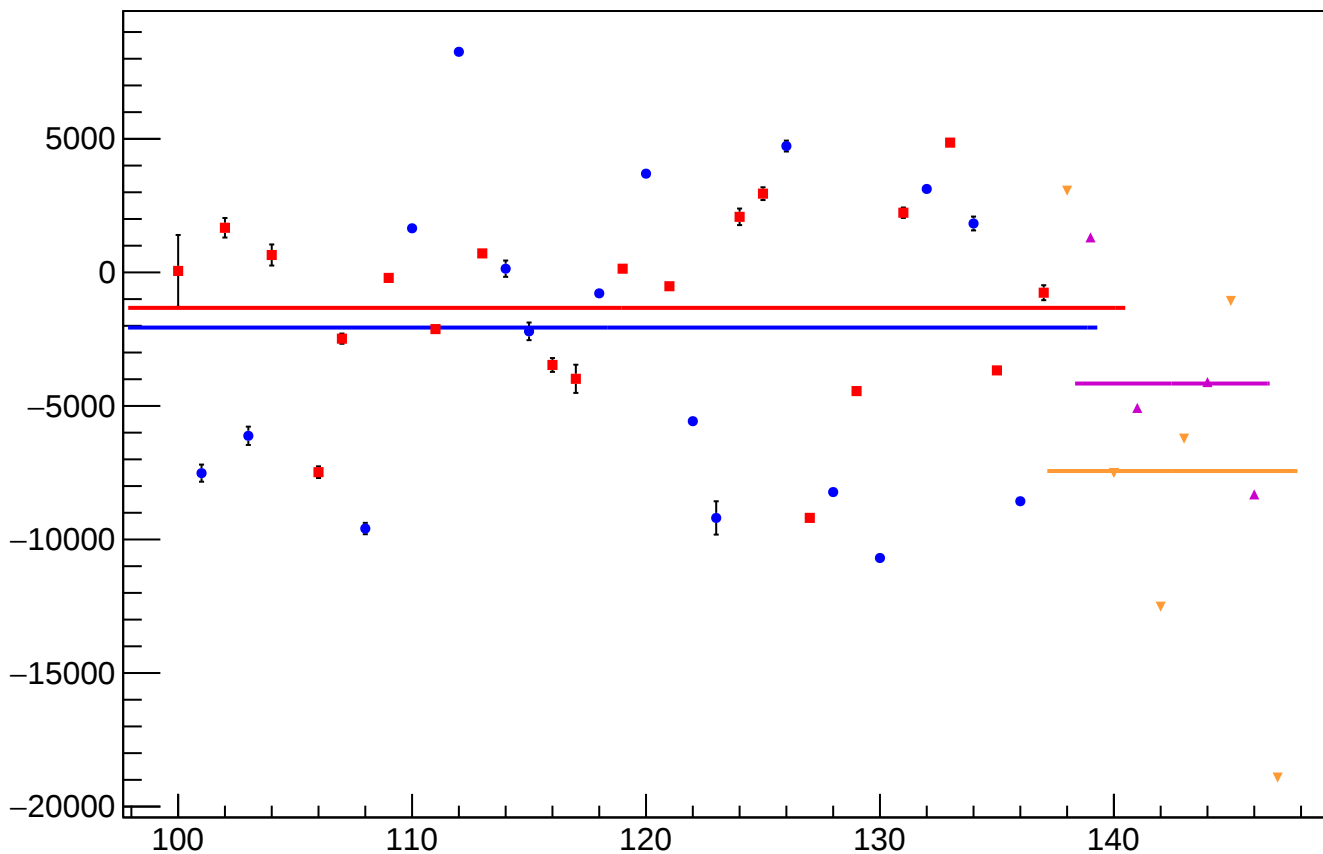
Left In: 221.780 $\pm$ 0.089 χ^2/NDF : 125080.9/3

223.696 $\pm$ 0.049 χ^2/NDF : 771045.7/22

218.426 $\pm$ 0.035 χ^2/NDF : 1815228.5/46

213.340 $\pm$ 0.049 χ^2/NDF : 1021898.3/23

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.160+/-47.322 χ^2/NDF : 16533.3/16

Left Out: -7436.986+/-54.394 χ^2/NDF : 18827.9/5

Right Out: -1327.819+/-44.838 χ^2/NDF : 5919.9/19

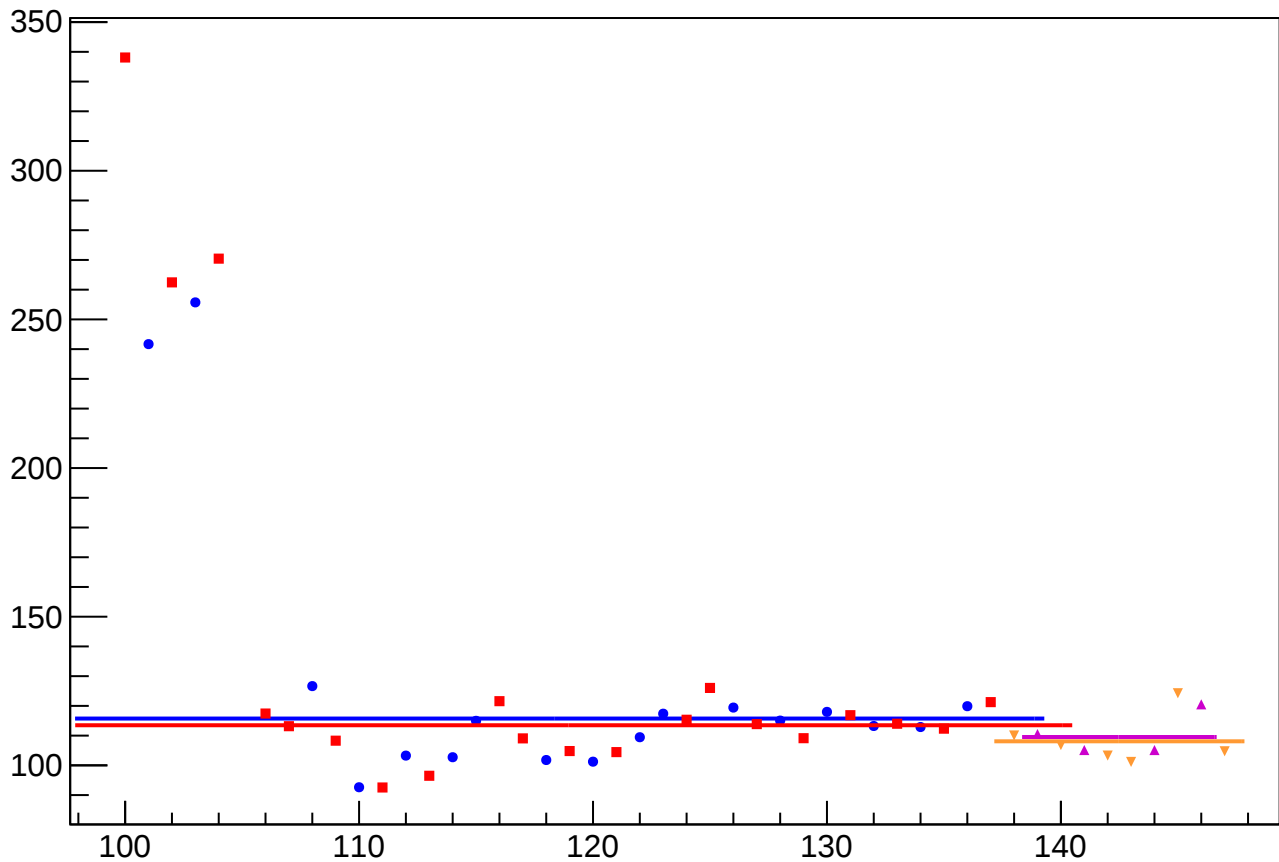
Left In: -4160.718+/-62.255 χ^2/NDF : 2603.6/3

-4379.382+/-35.702 χ^2/NDF : 40912.5/22

-3357.106+/-25.483 χ^2/NDF : 52470.8/46

-2295.416+/-36.384 χ^2/NDF : 9886.9/23

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 ± 0.033 χ^2/NDF : 744017.7/16

Left Out: 108.085 ± 0.038 χ^2/NDF : 34725.3/5

Right Out: 113.487 ± 0.032 χ^2/NDF : 796781.7/19

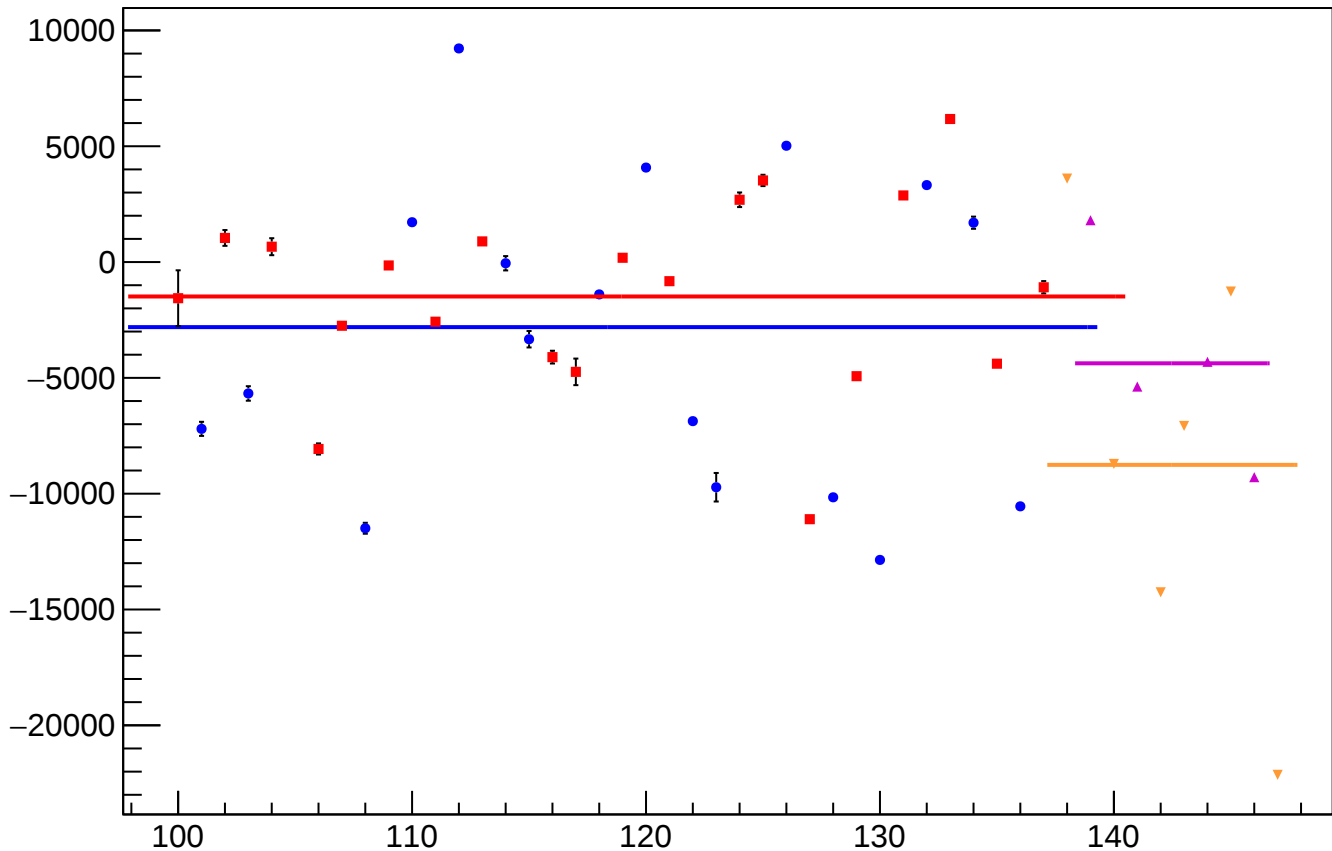
Left In: 109.533 ± 0.044 χ^2/NDF : 19112.9/3

112.442 ± 0.025 χ^2/NDF : 801294.8/22

112.292 ± 0.018 χ^2/NDF : 1622574.7/46

112.136 ± 0.026 χ^2/NDF : 821207.9/23

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2809.101+/-48.284 χ^2/NDF : 21263.1/16

Left Out: -8755.869+/-58.714 χ^2/NDF : 21918.0/5

Right Out: -1486.369+/-46.243 χ^2/NDF : 8037.1/19

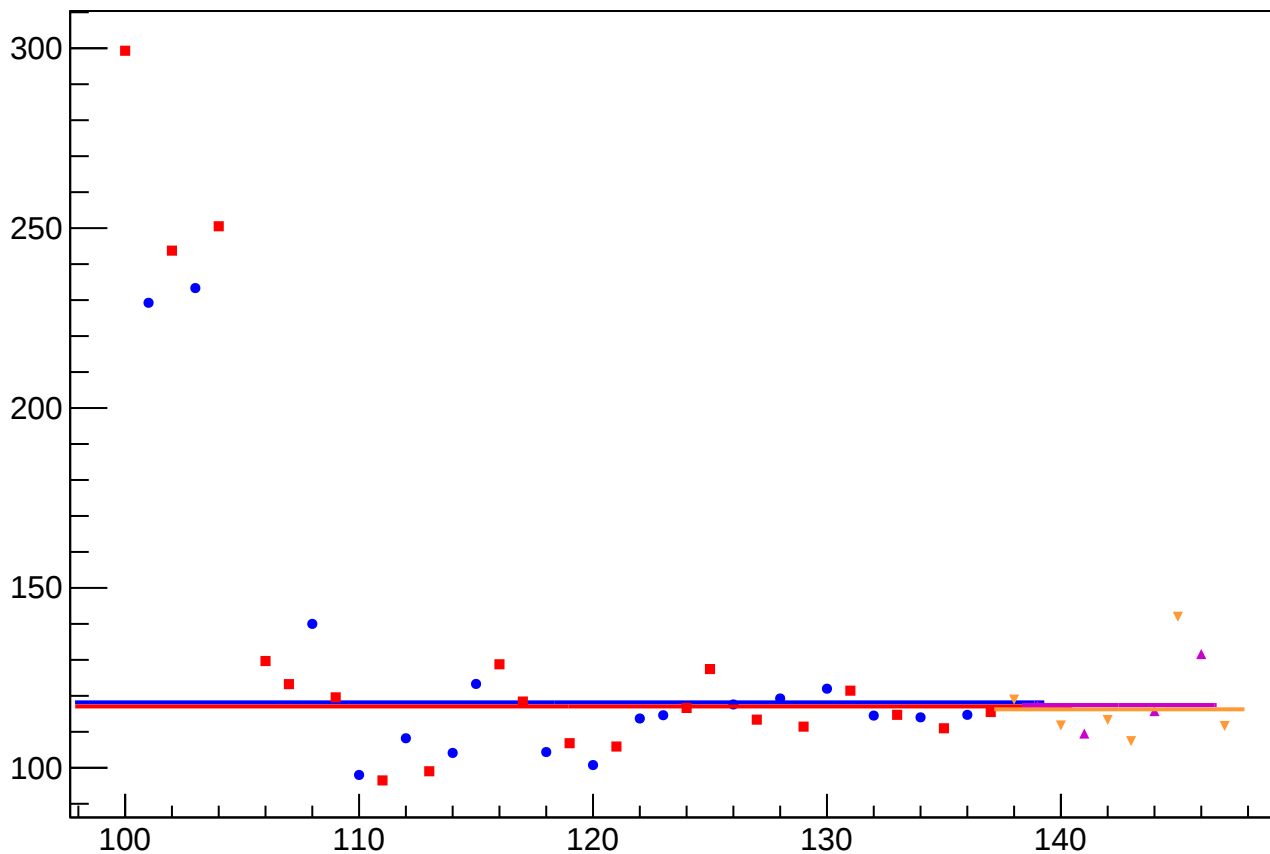
Left In: -4371.540+/-66.893 χ^2/NDF : 2973.9/3

-5208.268+/-37.294 χ^2/NDF : 49300.8/22

-3841.386+/-26.630 χ^2/NDF : 64311.5/46

-2419.334+/-38.039 χ^2/NDF : 12269.8/23

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.188 $\pm$ 0.034 χ^2 /NDF: 636252.0/16

Left Out: 116.260 $\pm$ 0.042 χ^2 /NDF: 63110.1/5

Right Out: 117.054 $\pm$ 0.033 χ^2 /NDF: 690646.8/19

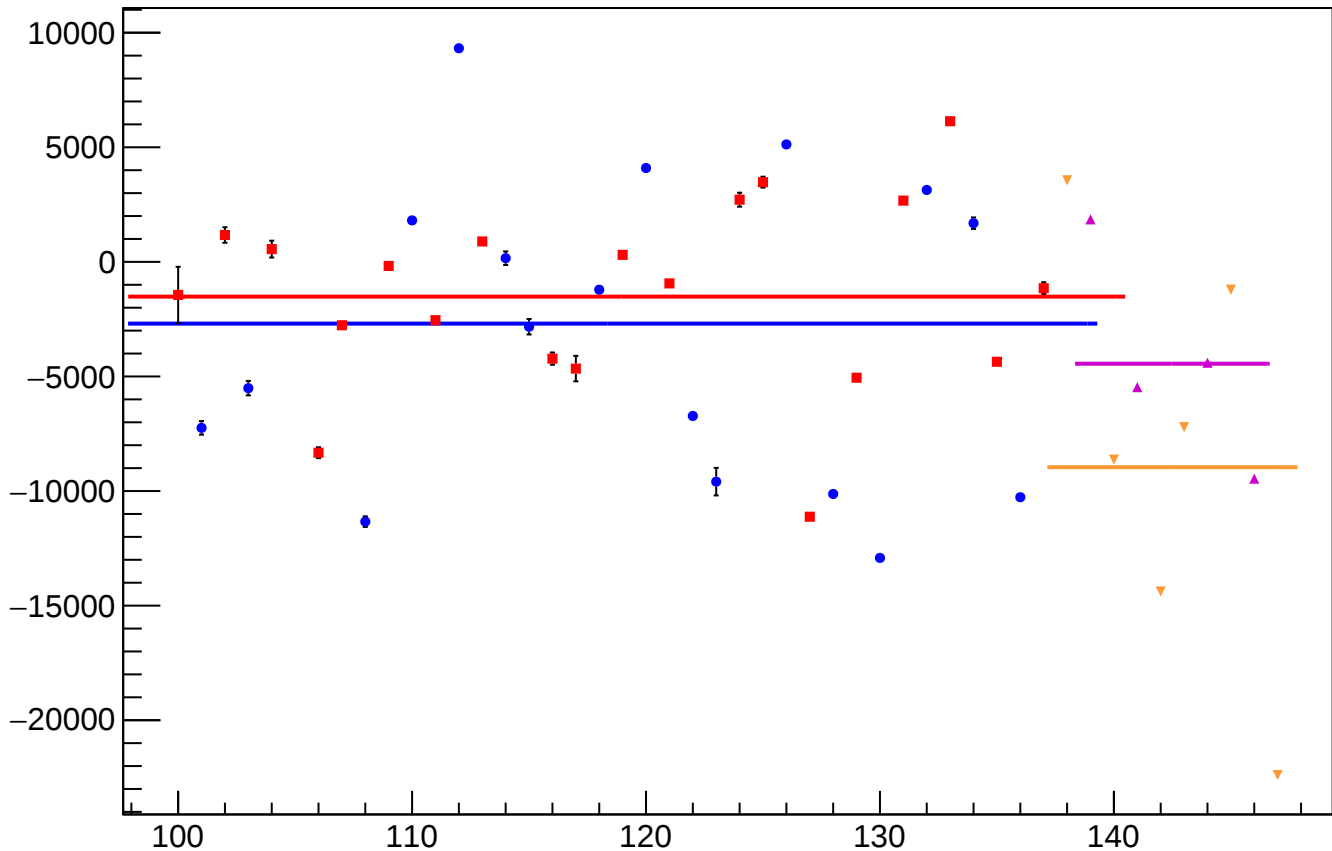
Left In: 117.450 $\pm$ 0.047 χ^2 /NDF: 27406.5/3

117.410 $\pm$ 0.026 χ^2 /NDF: 700648.2/22

117.299 $\pm$ 0.019 χ^2 /NDF: 1418785.5/46

117.182 $\pm$ 0.027 χ^2 /NDF: 718100.7/23

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2694.260+/-46.347 χ^2/NDF : 22860.3/16

Left Out: -8959.245+/-56.692 χ^2/NDF : 24279.9/5

Right Out: -1515.863+/-44.303 χ^2/NDF : 8749.3/19

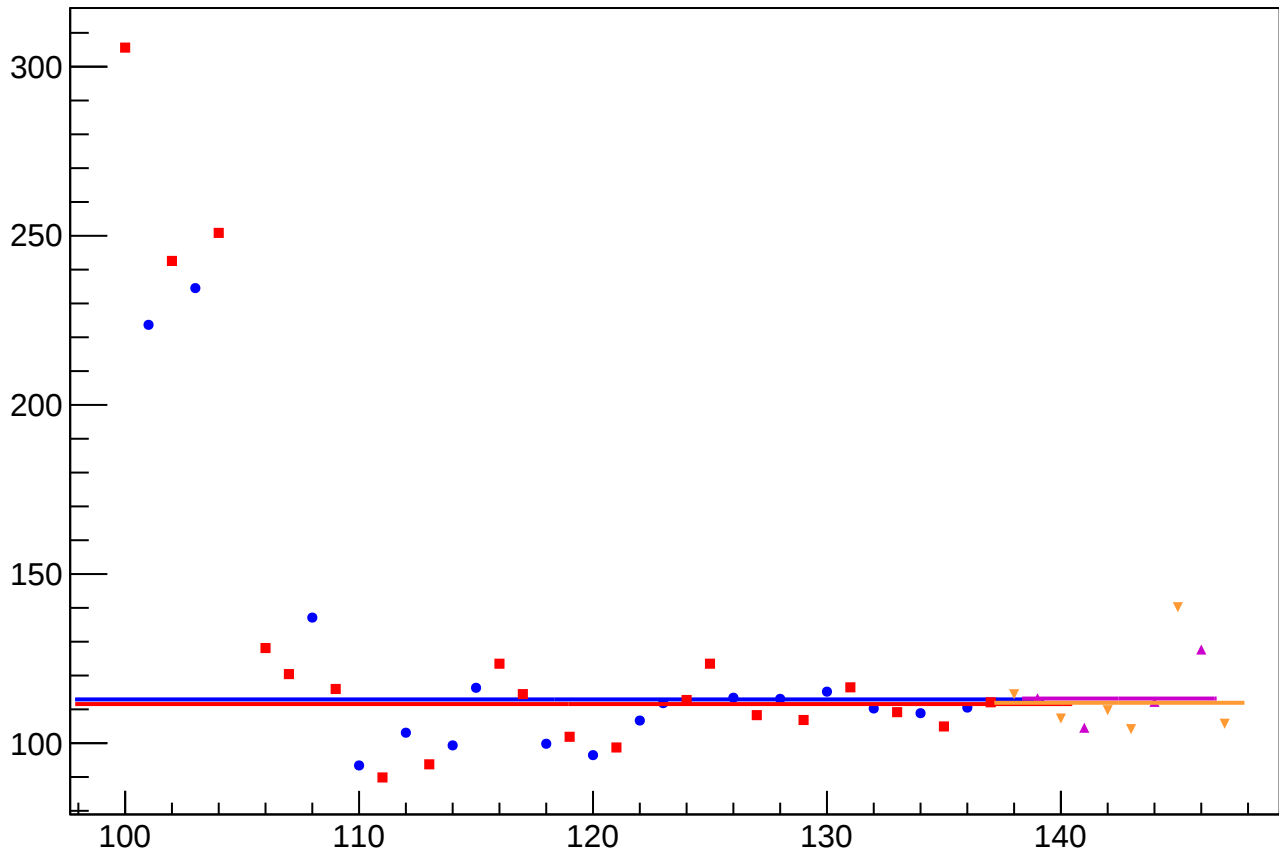
Left In: -4443.530+/-64.625 χ^2/NDF : 3299.8/3

-5204.040+/-35.882 χ^2/NDF : 54460.2/22

-3852.987+/-25.602 χ^2/NDF : 70793.4/46

-2451.879+/-36.541 χ^2/NDF : 13445.3/23

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 112.940+/-0.033 χ^2/NDF : 680283.1/16

Left Out: 111.945+/-0.040 χ^2/NDF :75735.5/5

Right Out: 111.562+/-0.031 χ^2/NDF : 765559.1/19

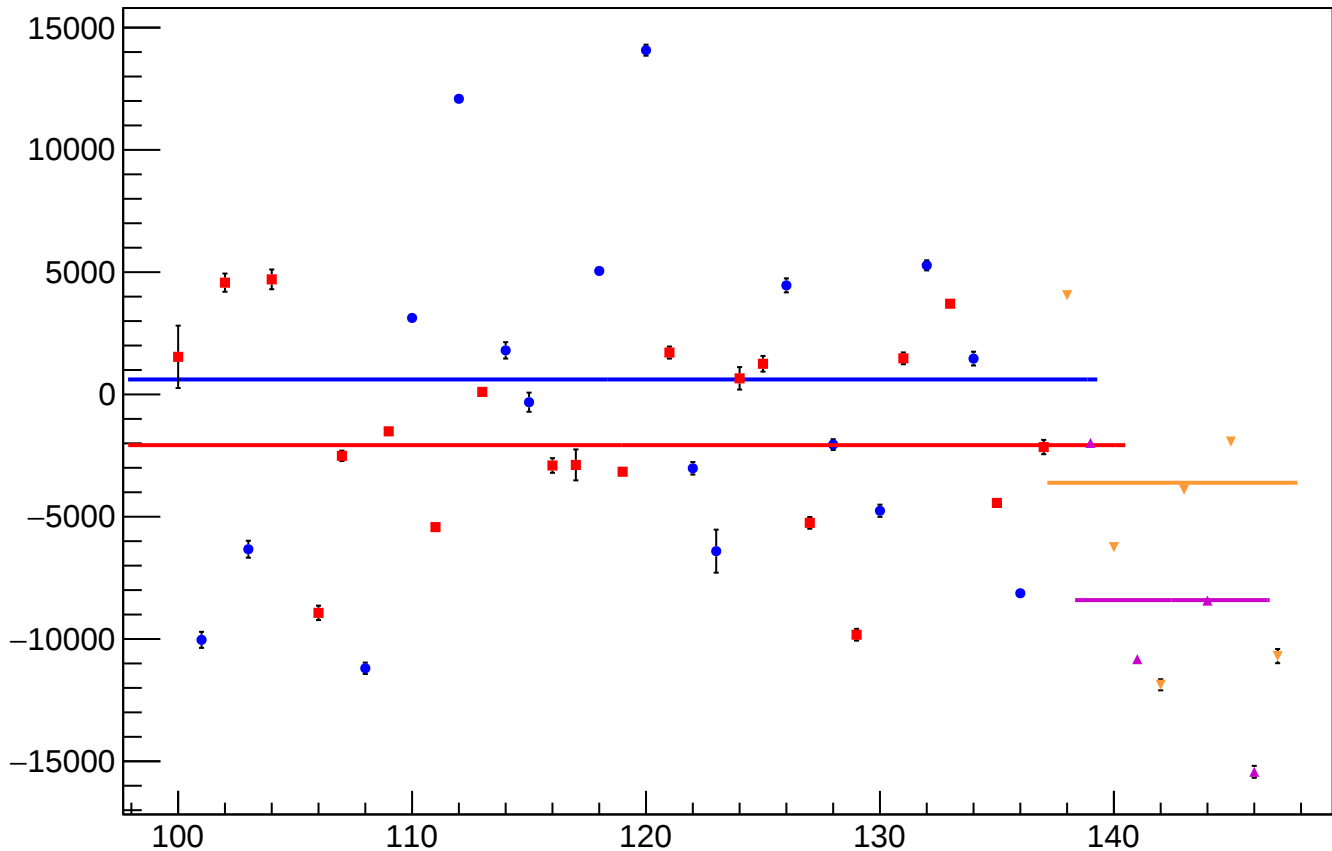
Left In: 113.191+/-0.046 χ^2/NDF :31652.1/3

112.542+/-0.025 χ^2/NDF : 756388.3/22

112.317 $\pm$ 0.018 χ^2 /NDF: 1554623.8/46

112.083 $\pm$ 0.026 χ^2 /NDF: 798075.1/23

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -3610.586 ± 79.569 $\chi^2/\text{NDF}: 4553.4/5$

Right Out: -2073.278 ± 53.736 $\chi^2/\text{NDF}: 4644.3/19$

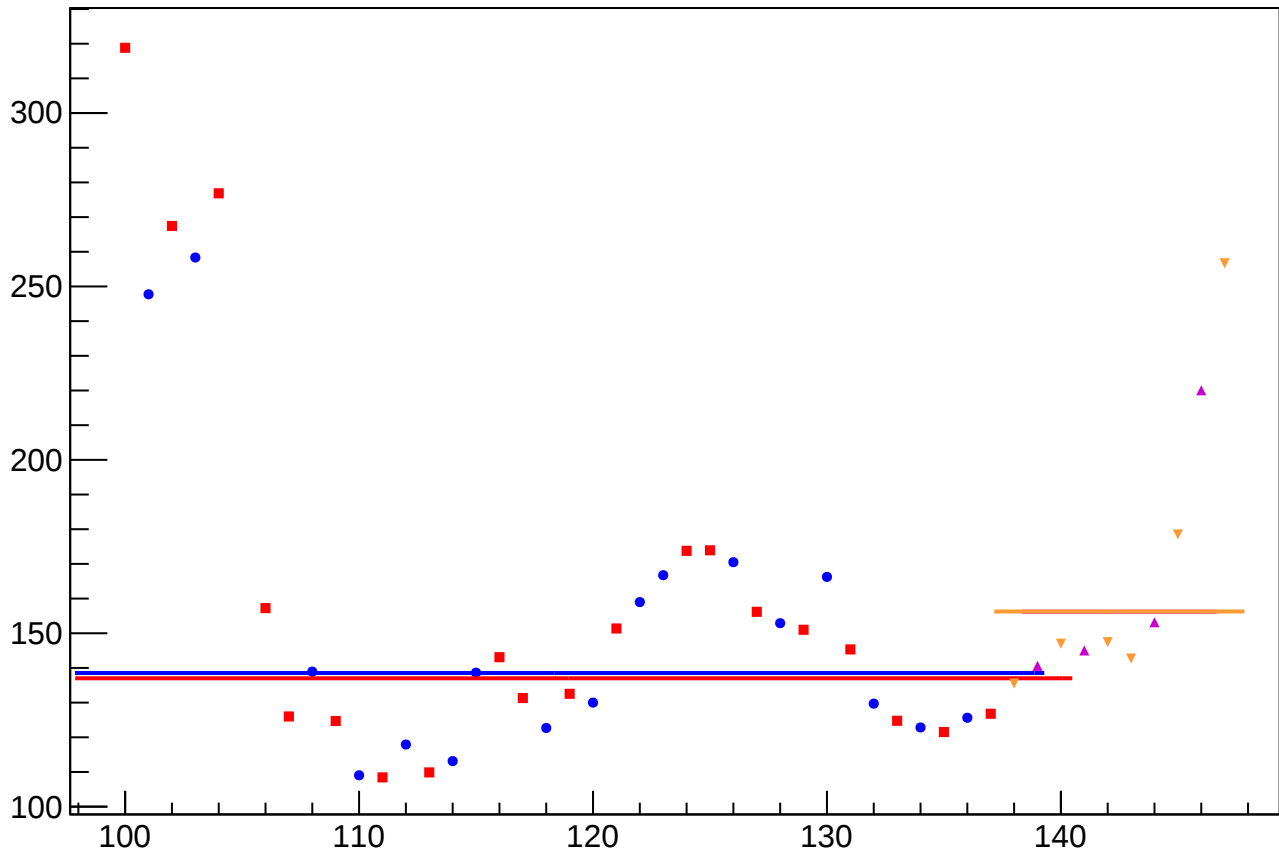
Left In: -8409.734 ± 89.240 $\chi^2/\text{NDF}: 2432.0/3$

-788.370 ± 45.829 $\chi^2/\text{NDF}: 24679.3/22$

-2267.243 ± 32.478 $\chi^2/\text{NDF}: 37547.7/46$

-3759.412 ± 46.035 $\chi^2/\text{NDF}: 10776.4/23$

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 156.272 $\pm$ 0.056 χ^2 /NDF: 315052.9/5

Right Out: 137.019 $\pm$ 0.038 χ^2 /NDF: 755655.0/19

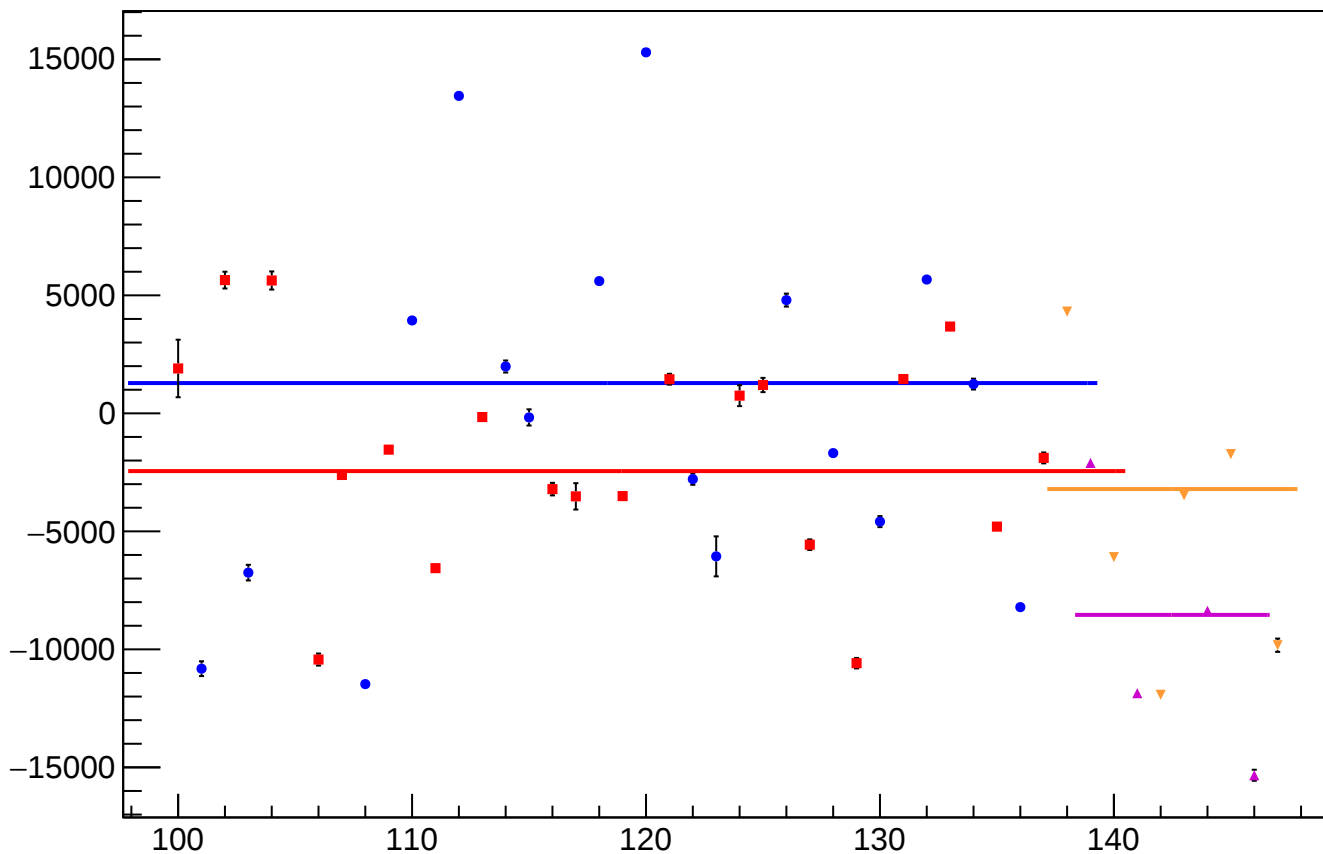
Left In: 156.210 $\pm$ 0.063 χ^2 /NDF: 163467.0/3

144.423 $\pm$ 0.032 χ^2 /NDF: 1050355.6/22

143.280 $\pm$ 0.023 χ^2 /NDF: 2039853.5/46

142.126 $\pm$ 0.033 χ^2 /NDF: 986995.8/23

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -3206.899+/-70.697 χ^2/NDF : 5926.2/5

Right Out: -2446.970+/-44.148 χ^2/NDF : 7681.2/19

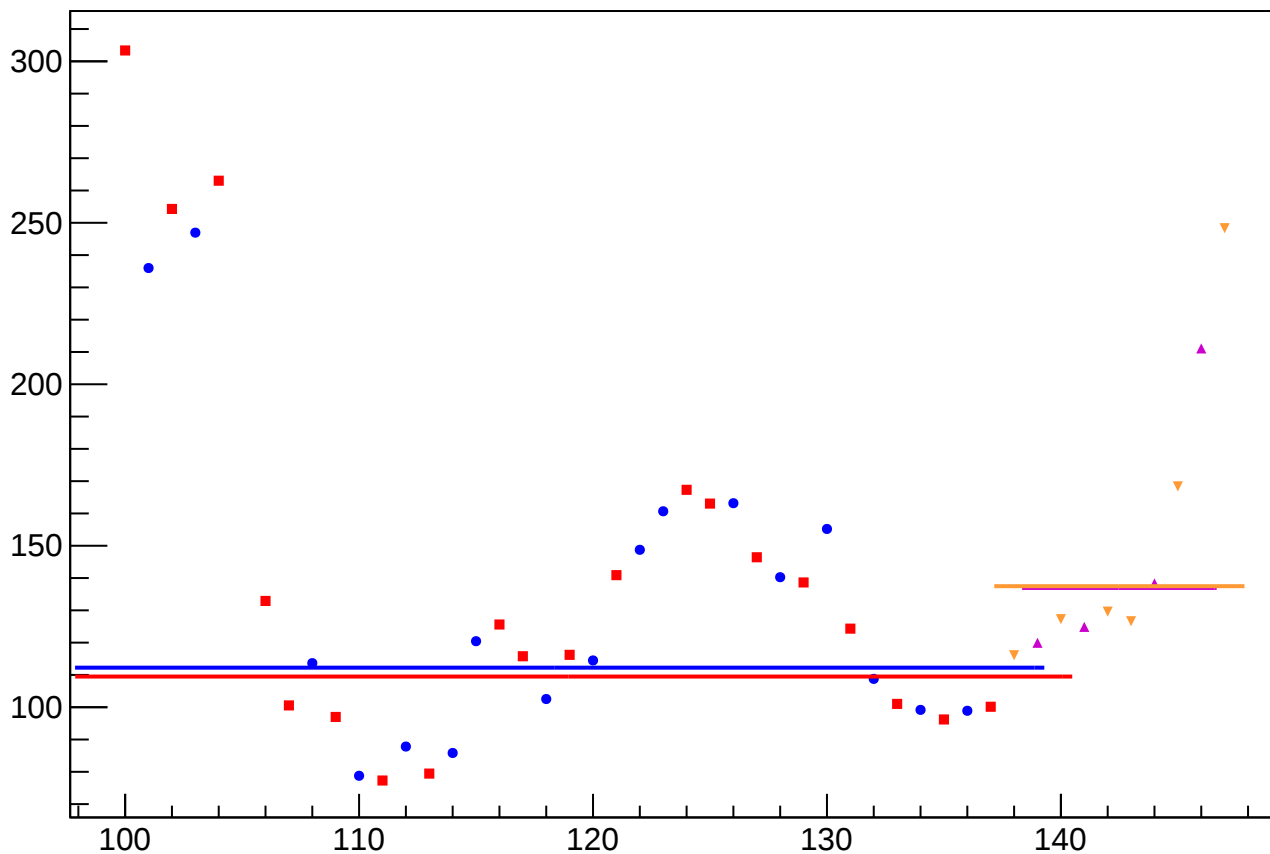
Left In: -8539.642+/-78.899 χ^2/NDF : 3310.2/3

-75.795+/-38.892 χ^2/NDF : 39279.7/22

-2005.794+/-27.371 χ^2/NDF : 59691.6/46

-3899.709+/-38.527 χ^2/NDF : 15532.7/23

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 137.476+/-0.050 χ^2/NDF : 430361.2/5

Right Out: 109.500+/-0.031 χ^2/NDF : 1269887.8/19

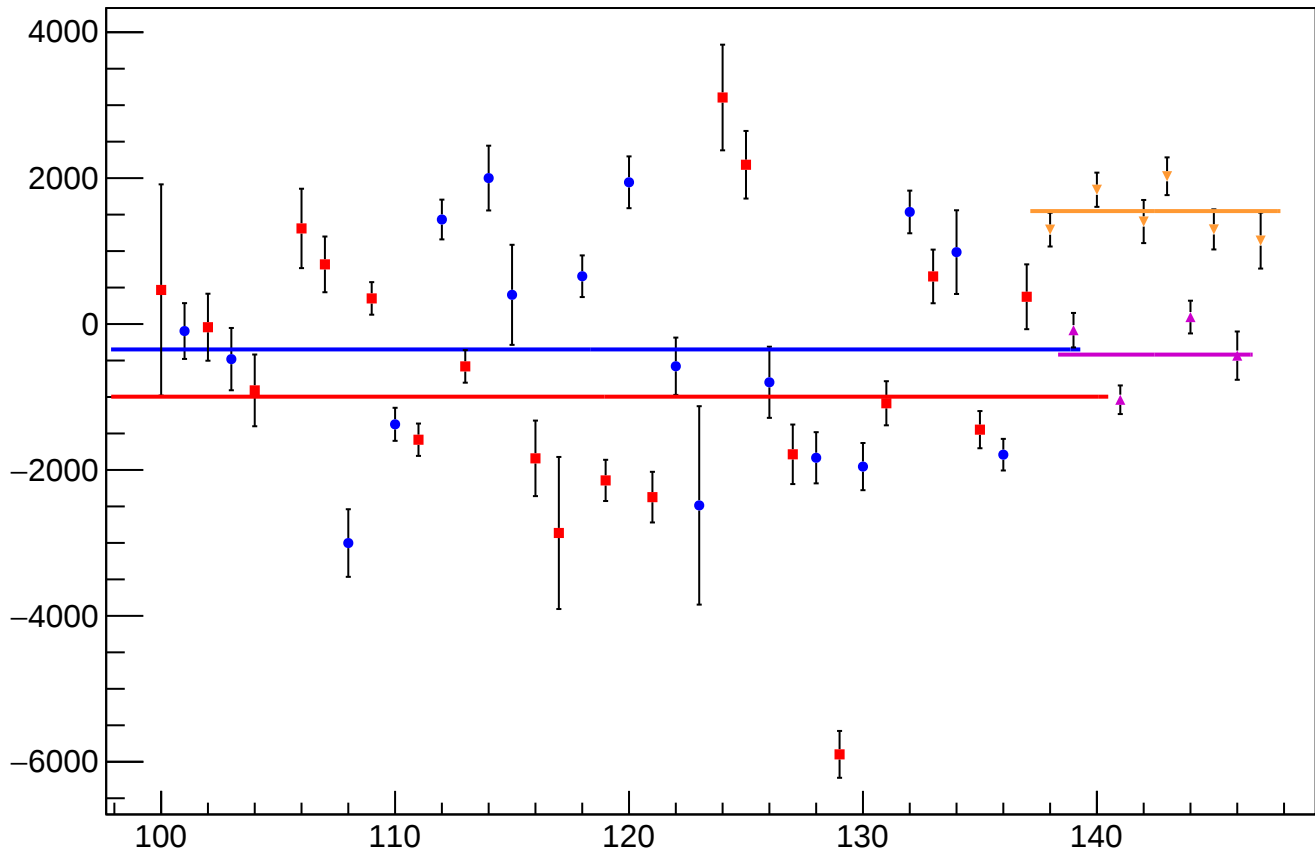
Left In: 136.929+/-0.056 χ^2/NDF : 242072.7/3

119.885+/-0.028 χ^2/NDF : 1733460.1/22

117.944+/-0.019 χ^2/NDF : 3439374.8/46

116.040+/-0.027 χ^2/NDF : 1696050.4/23

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -348.055 ± 83.826 χ^2/NDF : 317.3/16

Left Out: 1548.272 ± 109.577 χ^2/NDF : 8.4/5

Right Out: -995.622 ± 77.468 χ^2/NDF : 479.8/19

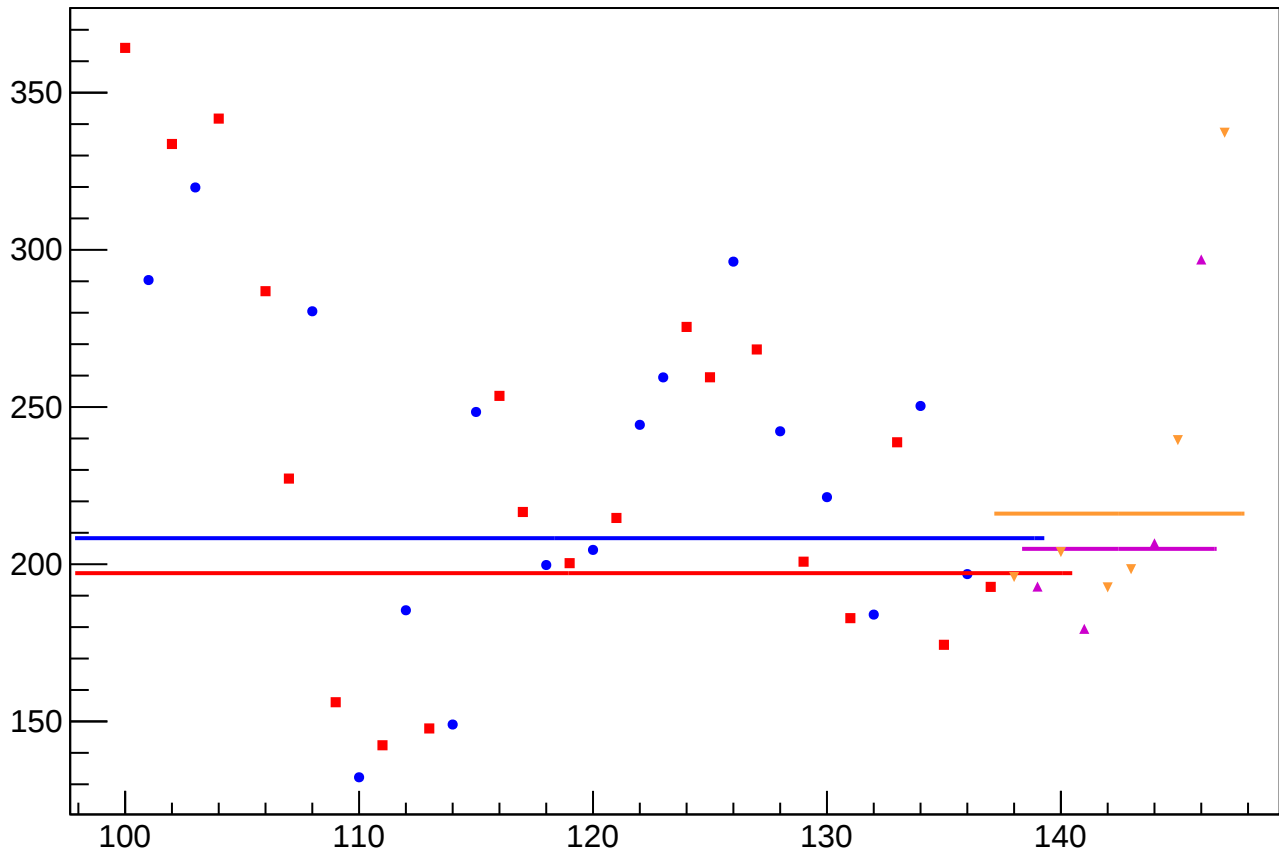
Left In: -418.867 ± 117.154 χ^2/NDF : 17.2/3

352.016 ± 66.579 χ^2/NDF : 514.6/22

-251.580 ± 46.370 χ^2/NDF : 1188.0/46

-820.158 ± 64.619 χ^2/NDF : 513.9/23

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.288 $\pm$ 0.059 χ^2/NDF : 698491.0/16

Left Out: 216.100 $\pm$ 0.077 χ^2/NDF : 256402.4/5

Right Out: 197.159 $\pm$ 0.055 χ^2/NDF : 927487.8/19

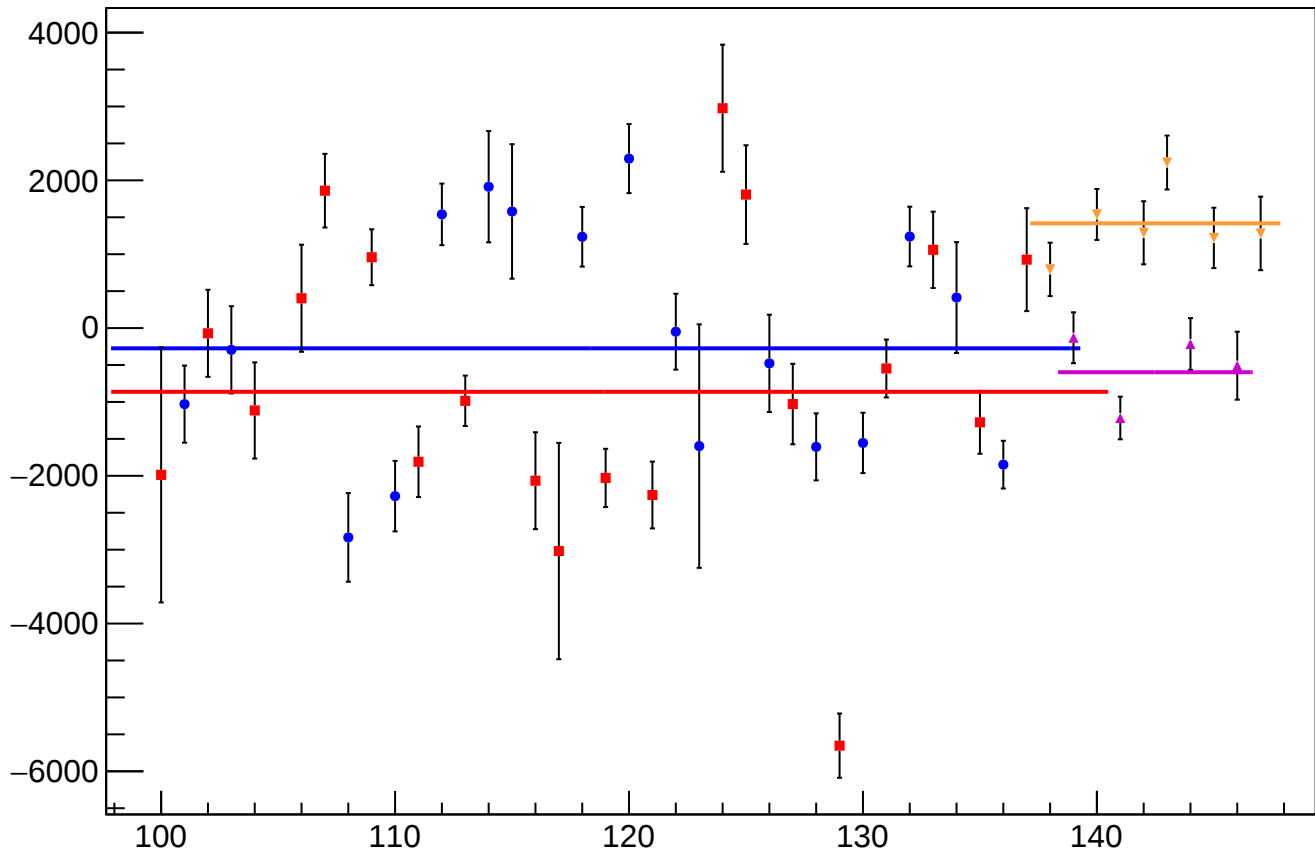
Left In: 204.890 $\pm$ 0.083 χ^2/NDF : 193590.8/3

211.172 $\pm$ 0.047 χ^2/NDF : 961306.7/22

205.167 $\pm$ 0.033 χ^2/NDF : 2120035.0/46

199.511 $\pm$ 0.046 χ^2/NDF : 1127138.2/23

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -274.260 $\pm$ 121.326 χ^2/NDF : 171.6/16

Left Out: 1417.873 $\pm$ 159.994 χ^2/NDF : 8.6/5

Right Out: -862.791 $\pm$ 114.993 χ^2/NDF : 265.4/19

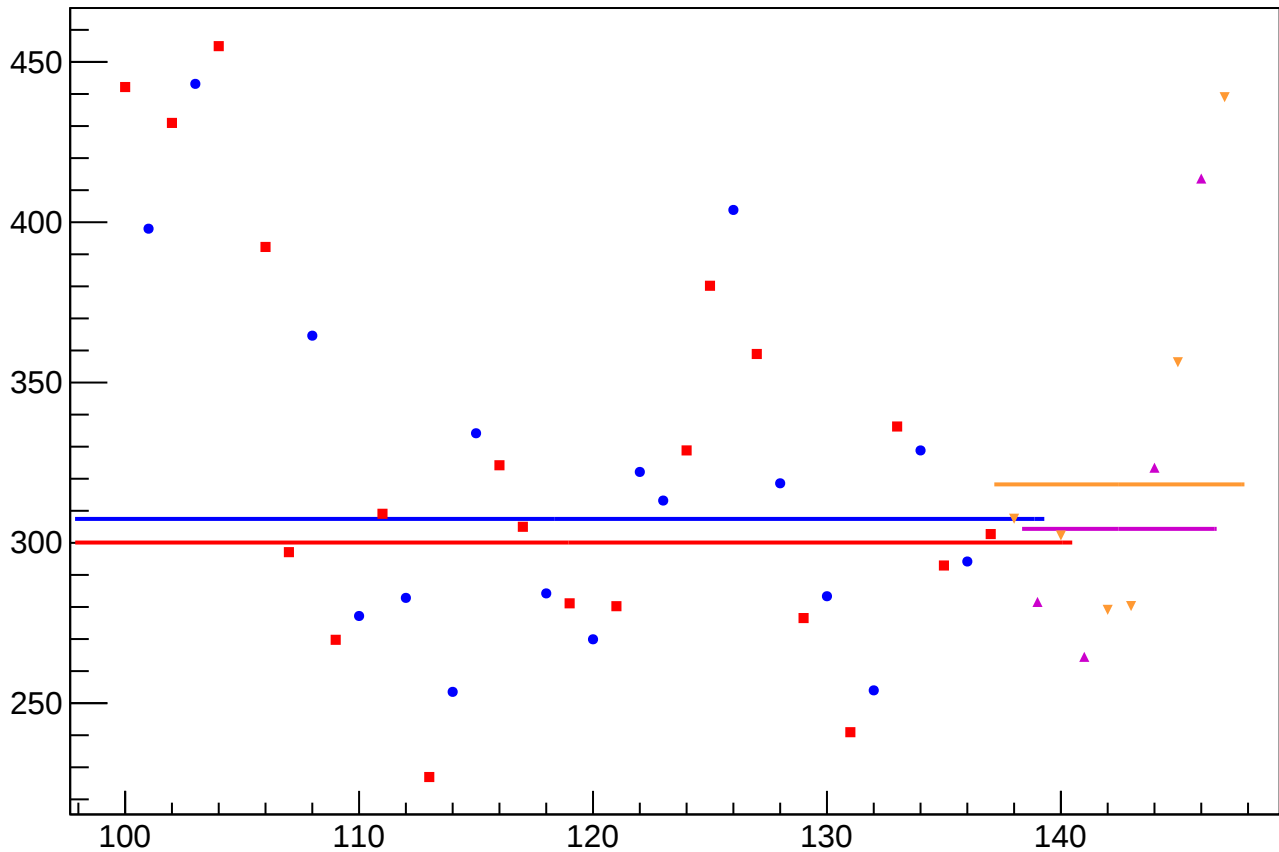
Left In: -597.551 $\pm$ 173.269 χ^2/NDF : 7.7/3

343.530 $\pm$ 96.673 χ^2/NDF : 251.2/22

-224.113 $\pm$ 68.052 χ^2/NDF : 594.3/46

-781.687 $\pm$ 95.812 χ^2/NDF : 274.7/23

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 307.468 $\pm$ 0.086 χ^2/NDF : 323096.7/16

Left Out: 318.234 $\pm$ 0.113 χ^2/NDF : 179473.0/5

Right Out: 300.100 $\pm$ 0.081 χ^2/NDF : 490421.6/19

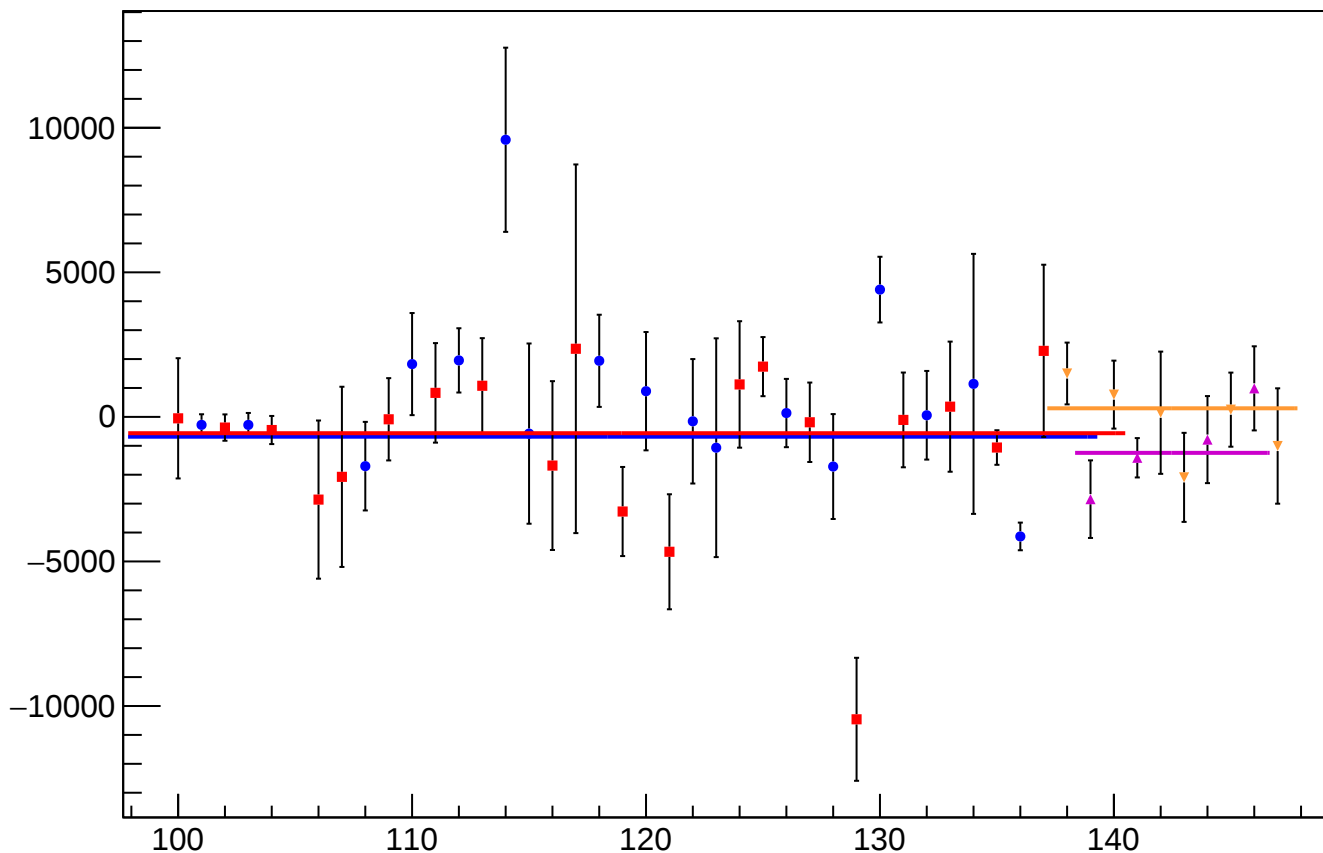
Left In: 304.365 $\pm$ 0.123 χ^2/NDF : 165899.4/3

311.399 $\pm$ 0.068 χ^2/NDF : 508319.3/22

306.357 $\pm$ 0.048 χ^2/NDF : 1176265.5/46

301.404 $\pm$ 0.068 χ^2/NDF : 657162.2/23

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -685.056+/-210.341 χ^2/NDF : 97.4/16

Left Out: 297.135+/-567.465 χ^2/NDF : 4.3/5

Right Out: -564.400+/-243.074 χ^2/NDF : 39.9/19

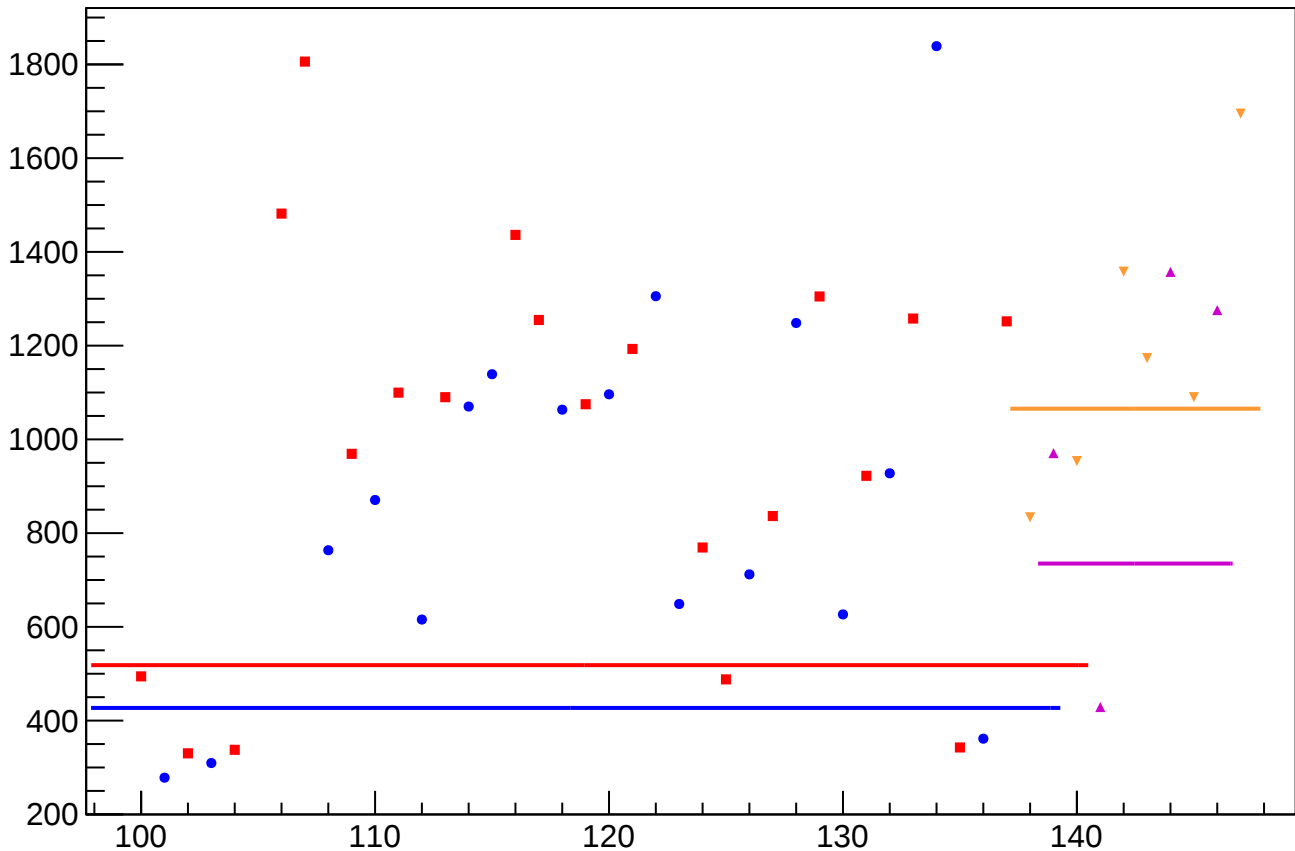
Left In: -1244.053+/-525.007 χ^2/NDF : 3.9/3

-566.410+/-197.228 χ^2/NDF : 104.3/22

-618.819+/-147.026 χ^2/NDF : 149.7/46

-684.374+/-220.579 χ^2/NDF : 45.2/23

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 1065.520+/-0.401 χ^2/NDF : 360096.9/5

Right Out: 518.306+/-0.172 χ^2/NDF : 3631833.9/19

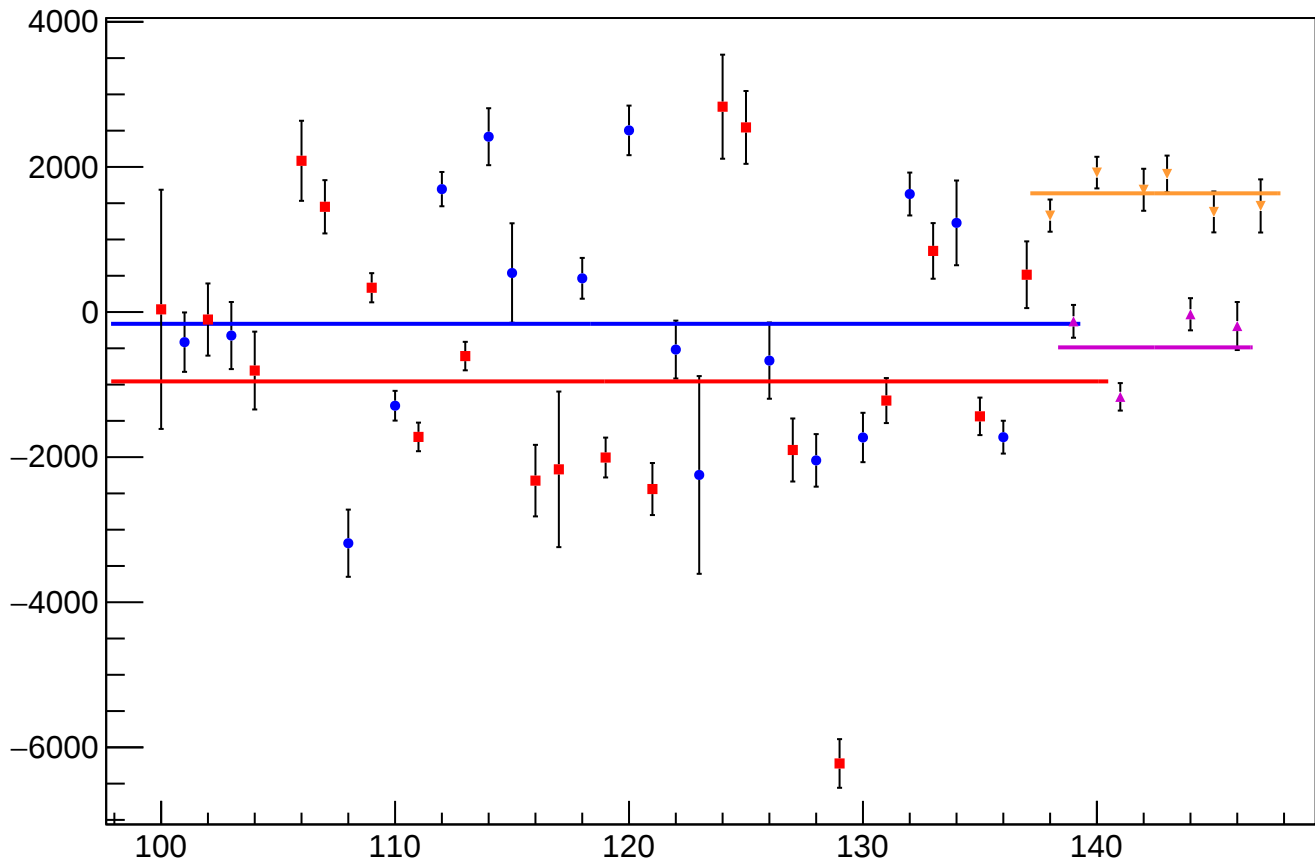
Left In: 735.082+/-0.371 χ^2/NDF : 1084454.4/3

504.201+/-0.139 χ^2/NDF : 5451552.2/22

527.469+/-0.104 χ^2/NDF : 10511277.5/46

556.572+/-0.156 χ^2/NDF : 4997073.1/23

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -162.333 $\pm$ 82.350 χ^2/NDF : 387.6/16

Left Out: 1636.346 $\pm$ 106.016 χ^2/NDF : 5.8/5

Right Out: -956.044 $\pm$ 74.949 χ^2/NDF : 541.1/19

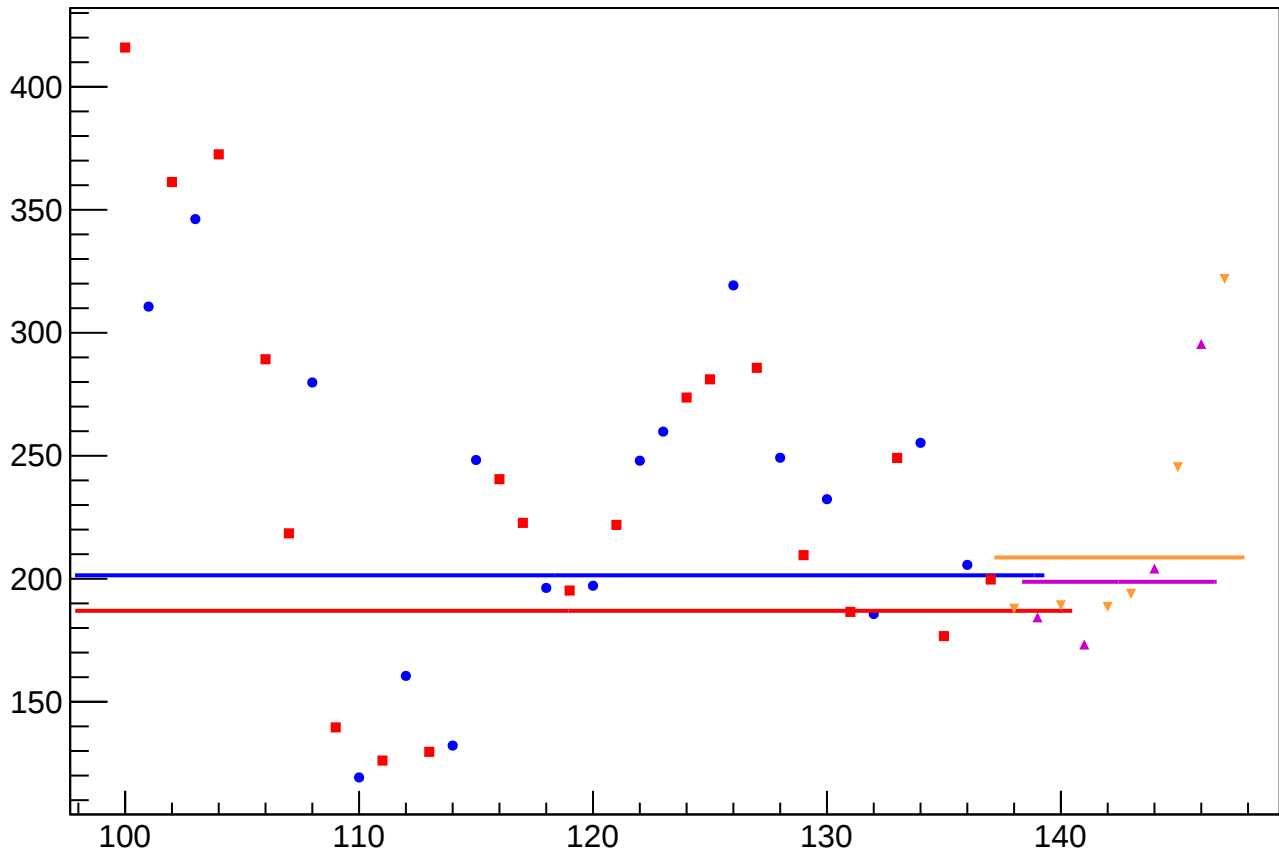
Left In: -487.083 $\pm$ 114.076 χ^2/NDF : 20.5/3

514.537 $\pm$ 65.035 χ^2/NDF : 572.9/22

-174.986 $\pm$ 45.116 χ^2/NDF : 1363.0/46

-814.647 $\pm$ 62.639 χ^2/NDF : 573.4/23

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 201.409+/-0.058 χ^2/NDF : 1056022.1/16

Left Out: 208.673+/-0.075 χ^2/NDF : 274959.4/5

Right Out: 186.973+/-0.053 χ^2/NDF : 1395397.8/19

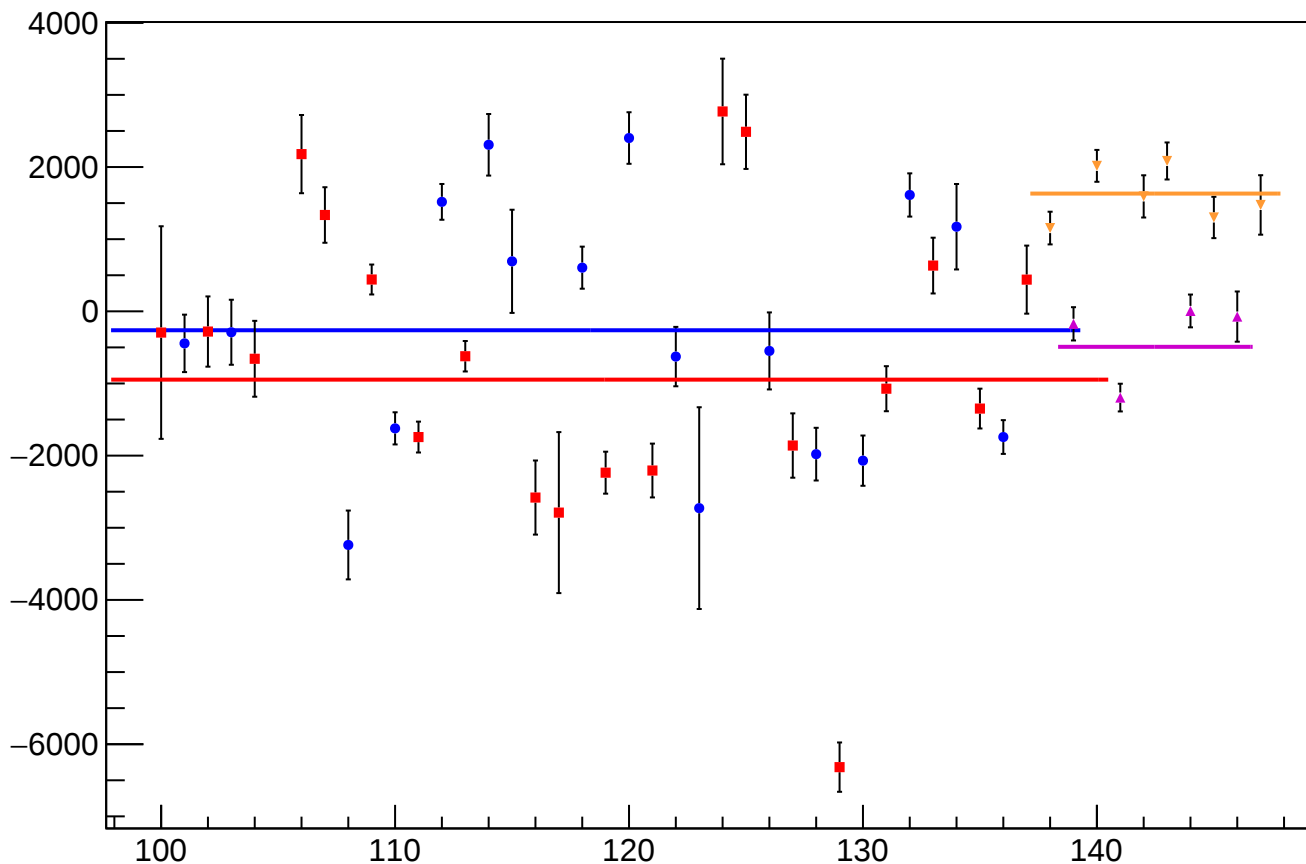
Left In: 198.785+/-0.081 χ^2/NDF : 216256.3/3

204.143+/-0.046 χ^2/NDF : 1336837.2/22

197.083+/-0.032 χ^2/NDF : 3008894.6/46

190.535+/-0.044 χ^2/NDF : 1626631.9/23

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -262.324 $\pm$ 85.433 χ^2/NDF : 368.7/16

Left Out: 1632.125 $\pm$ 108.523 χ^2/NDF : 12.1/5

Right Out: -946.785 $\pm$ 78.241 χ^2/NDF : 524.6/19

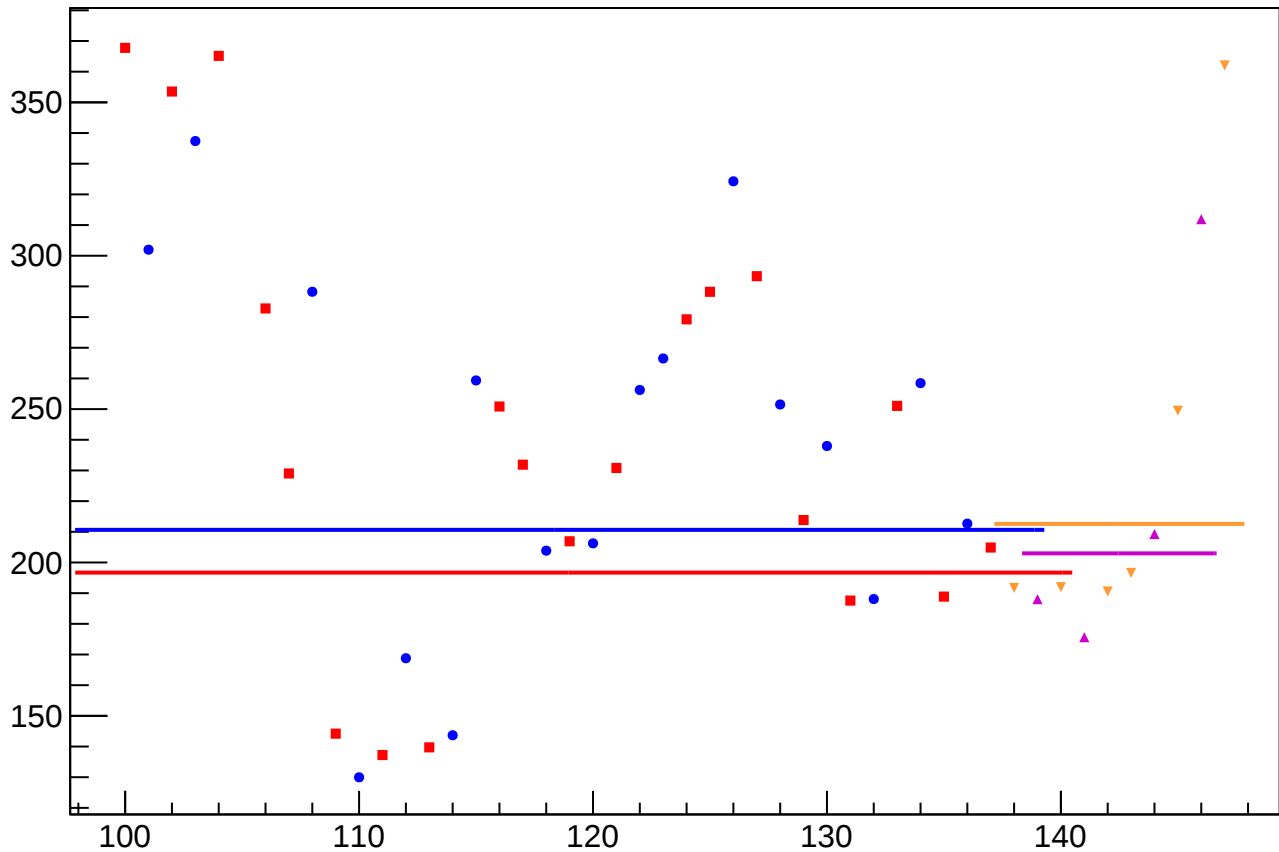
Left In: -491.952 $\pm$ 116.621 χ^2/NDF : 21.6/3

462.526 $\pm$ 67.128 χ^2/NDF : 568.9/22

-192.221 $\pm$ 46.686 χ^2/NDF : 1309.9/46

-805.607 $\pm$ 64.973 χ^2/NDF : 556.7/23

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 210.636 $\pm$ 0.060 χ^2 /NDF: 875776.4/16

Left Out: 212.574 $\pm$ 0.077 χ^2 /NDF: 349627.4/5

Right Out: 196.702 $\pm$ 0.055 χ^2 /NDF: 1207089.6/19

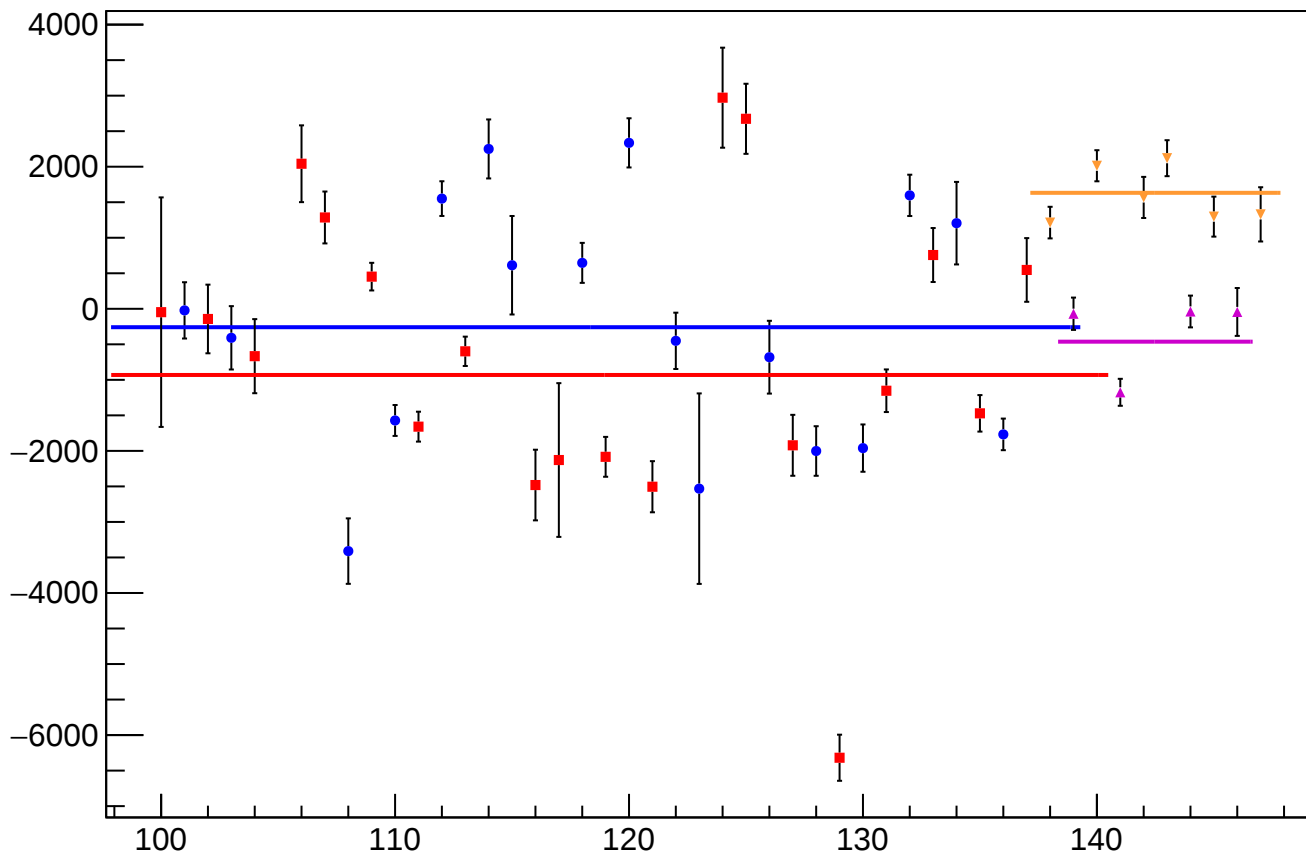
Left In: 202.971 $\pm$ 0.082 χ^2 /NDF: 246427.3/3

211.377 $\pm$ 0.047 χ^2 /NDF: 1225797.6/22

204.805 $\pm$ 0.033 χ^2 /NDF: 2720432.0/46

198.648 $\pm$ 0.046 χ^2 /NDF: 1457502.4/23

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -259.139 ± 82.802 χ^2/NDF : 391.2/16

Left Out: 1632.422 ± 106.535 χ^2/NDF : 12.4/5

Right Out: -931.363 ± 75.320 χ^2/NDF : 583.1/19

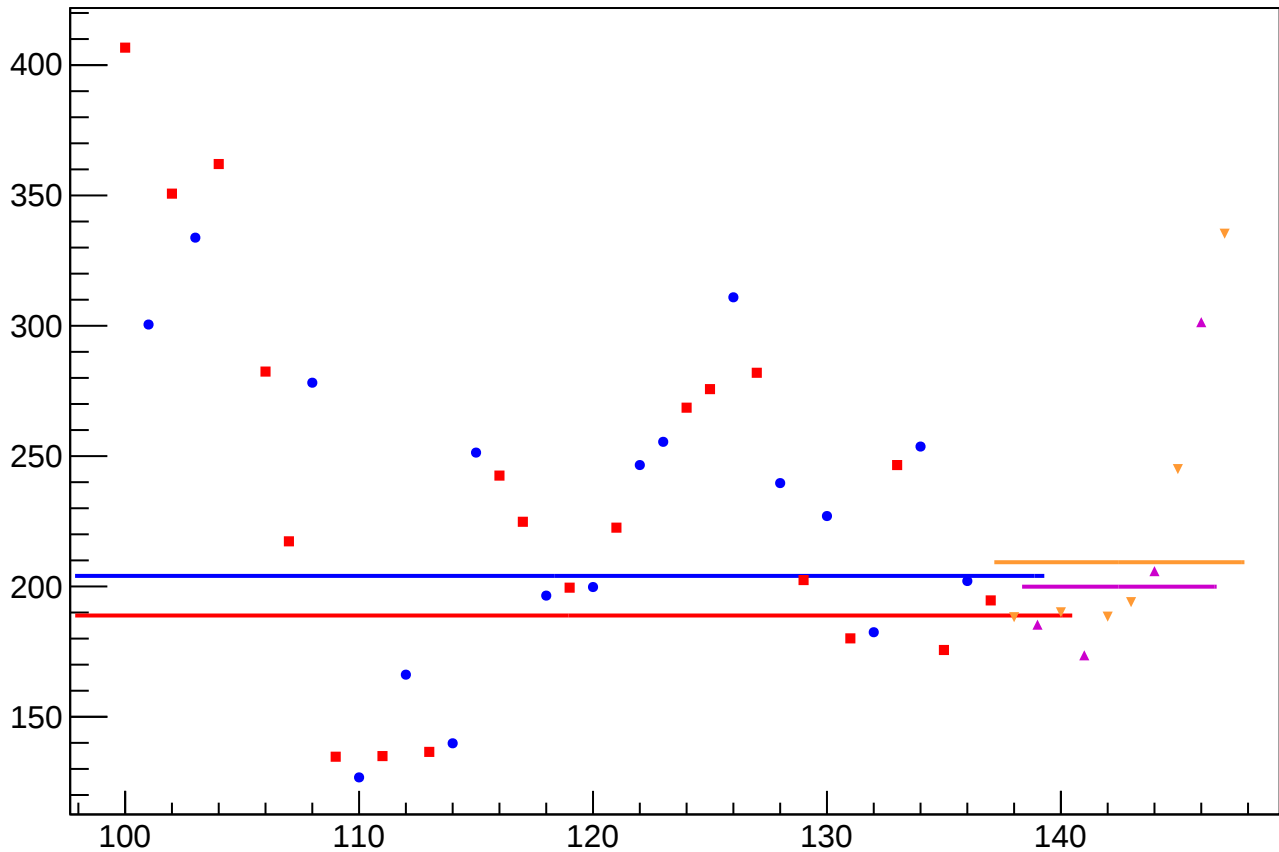
Left In: -462.700 ± 114.786 χ^2/NDF : 22.2/3

453.208 ± 65.377 χ^2/NDF : 600.1/22

-191.830 ± 45.355 χ^2/NDF : 1404.8/46

-790.306 ± 62.973 χ^2/NDF : 617.0/23

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 204.051 $\pm$ 0.059 χ^2/NDF : 868423.0/16

Left Out: 209.295 $\pm$ 0.075 χ^2/NDF :301303.0/5

Right Out: 188.856 $\pm$ 0.053 χ^2/NDF : 1253327.1/19

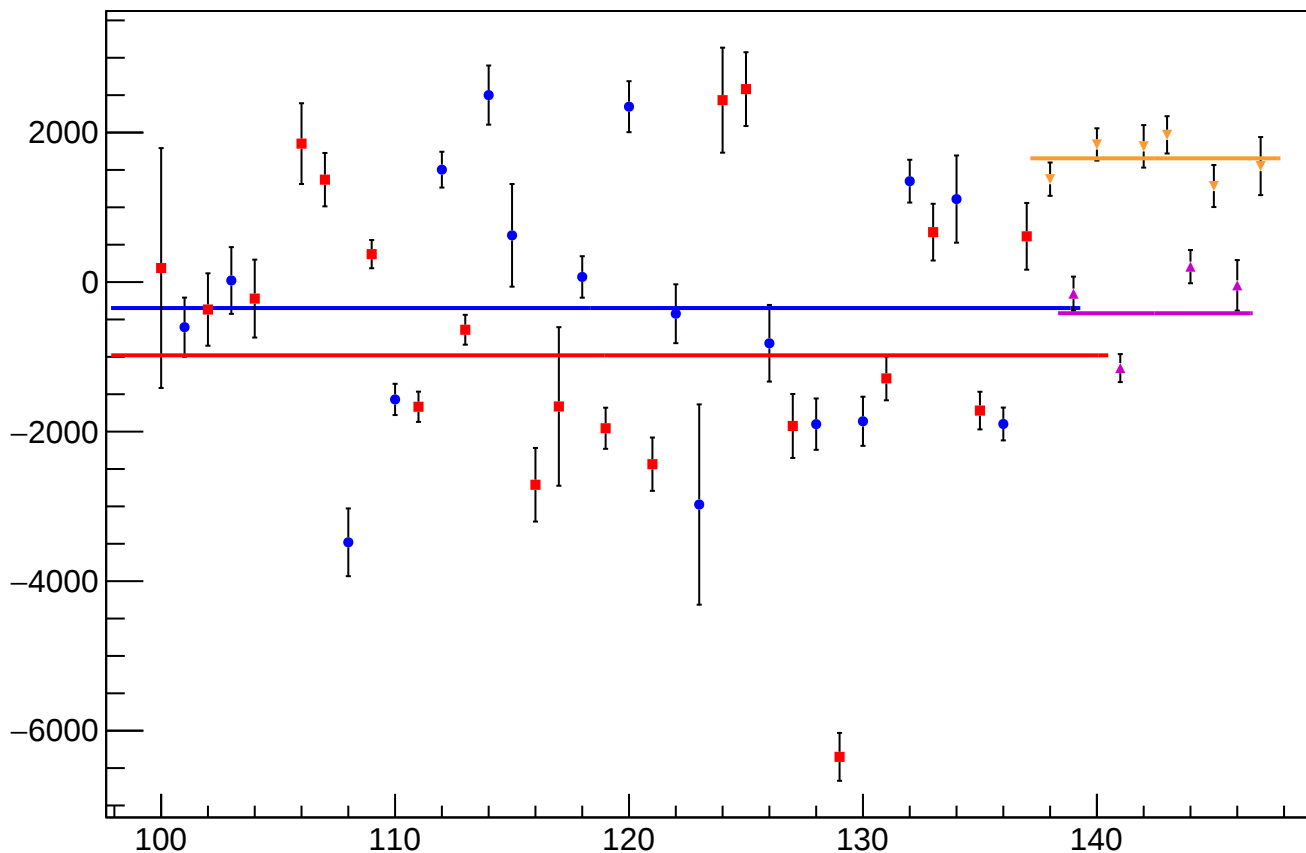
Left In: 199.918 $\pm$ 0.081 χ^2/NDF :229460.6/3

206.026 $\pm$ 0.046 χ^2/NDF : 1172746.5/22

198.846 $\pm$ 0.032 χ^2/NDF : 2715016.6/46

192.185 $\pm$ 0.045 χ^2/NDF : 1495773.4/23

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.240 $\pm$ 81.318 χ^2/NDF : 399.1/16

Left Out: 1655.239 $\pm$ 105.825 χ^2/NDF : 6.0/5

Right Out: -979.606 $\pm$ 73.710 χ^2/NDF : 586.1/19

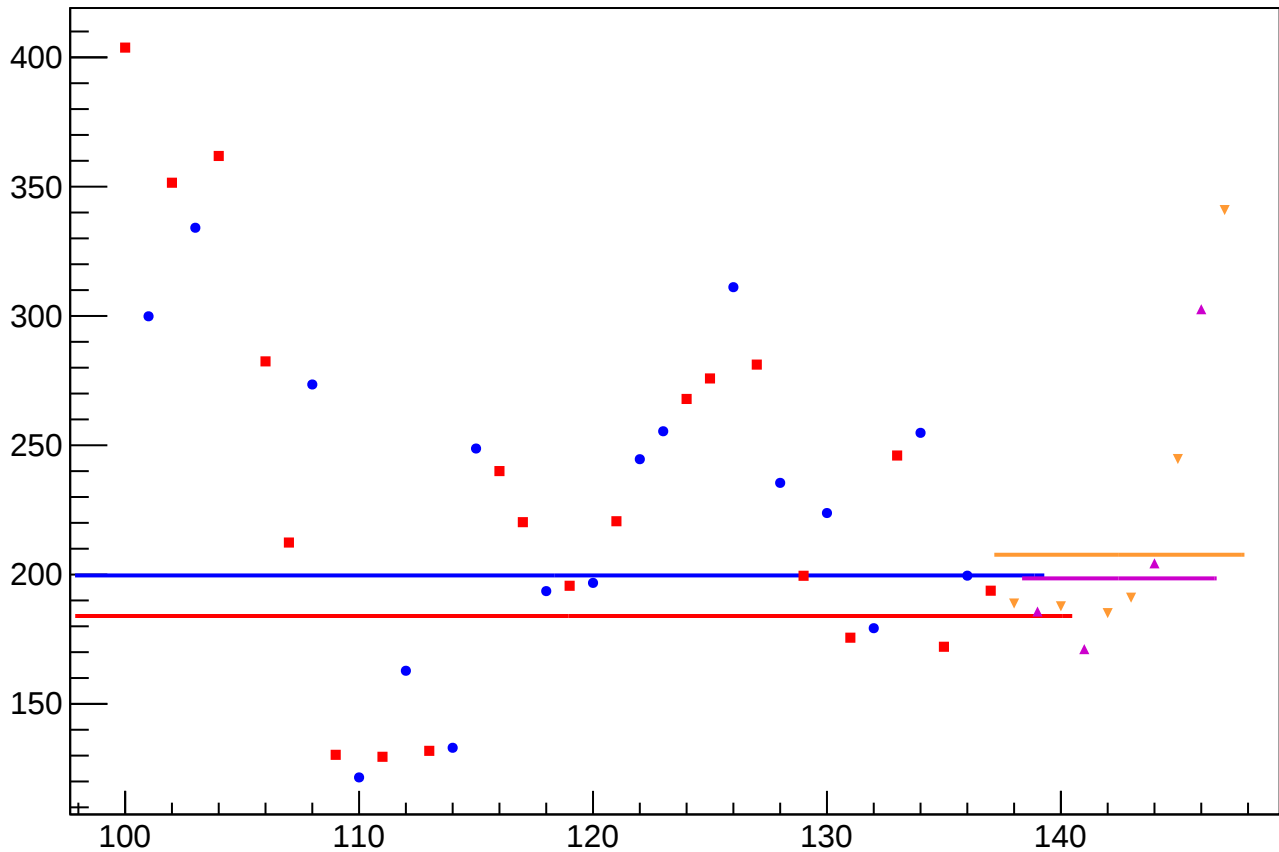
Left In: -416.759 $\pm$ 114.085 χ^2/NDF : 25.8/3

396.189 $\pm$ 64.480 χ^2/NDF : 630.2/22

-233.400 $\pm$ 44.659 χ^2/NDF : 1442.5/46

-813.845 $\pm$ 61.912 χ^2/NDF : 629.1/23

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 199.669 ± 0.058 $\chi^2/\text{NDF}: 943155.1/16$

Left Out: 207.672 ± 0.075 $\chi^2/\text{NDF}: 323367.0/5$

Right Out: 183.984 ± 0.052 $\chi^2/\text{NDF}: 1351978.1/19$

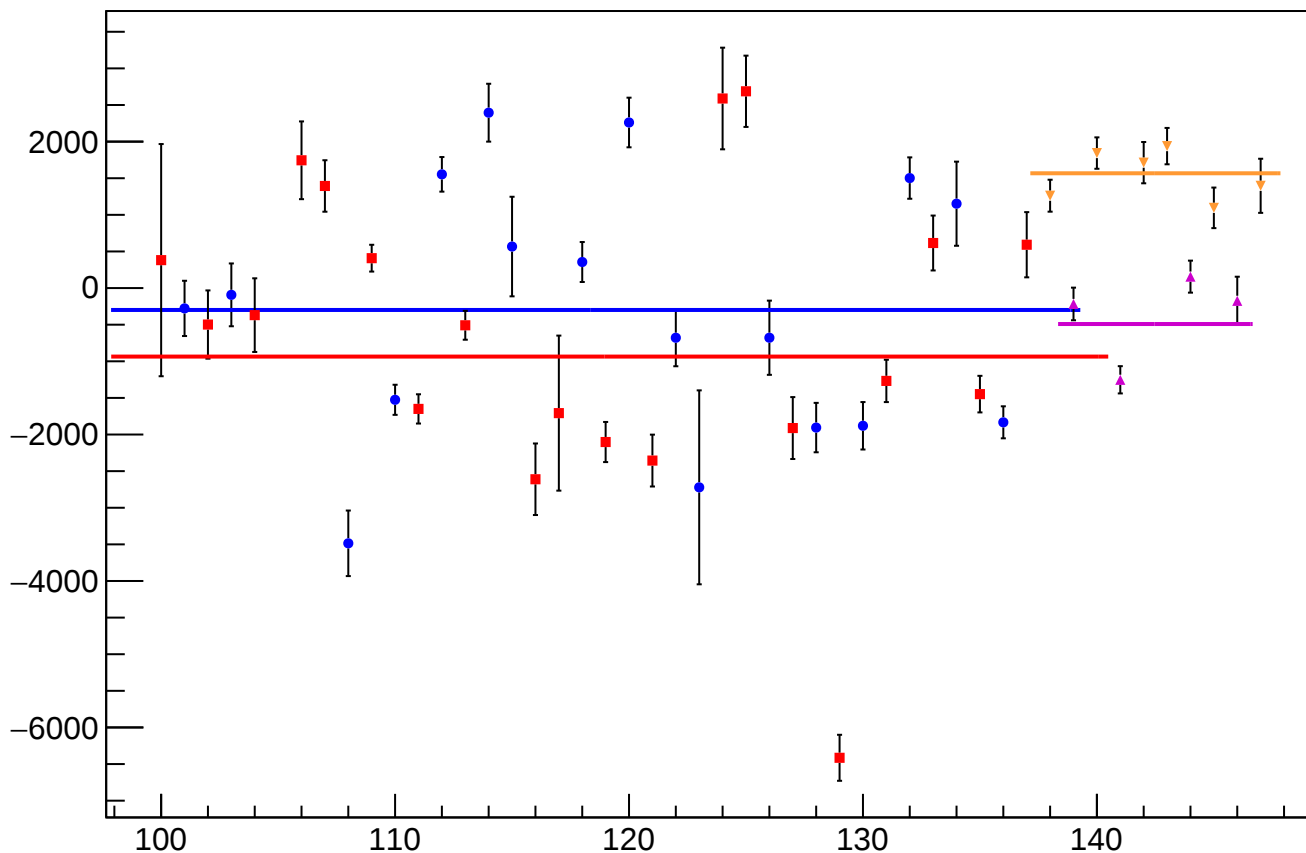
Left In: 198.529 ± 0.081 $\chi^2/\text{NDF}: 239770.2/3$

202.640 ± 0.046 $\chi^2/\text{NDF}: 1273713.8/22$

195.162 ± 0.032 $\chi^2/\text{NDF}: 2940096.3/46$

188.268 ± 0.044 $\chi^2/\text{NDF}: 1614680.4/23$

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 1567.568 ± 104.296 χ^2/NDF : 9.2/5

Right Out: -935.490 ± 72.580 χ^2/NDF : 615.3/19

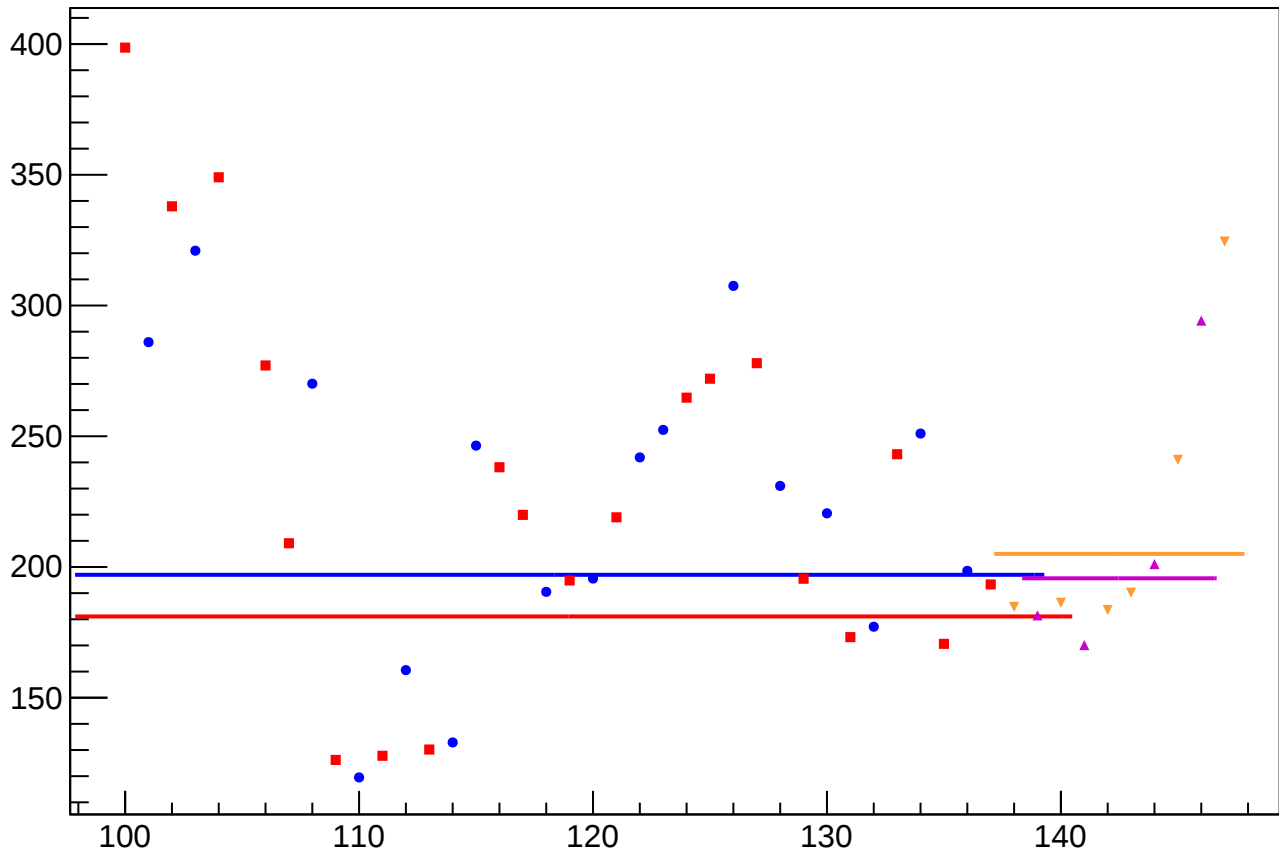
Left In: -490.912 ± 112.374 χ^2/NDF : 28.0/3

394.199 ± 63.558 χ^2/NDF : 617.2/22

-230.126 ± 43.998 χ^2/NDF : 1456.8/46

-804.624 ± 60.969 χ^2/NDF : 654.3/23

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 197.013 $\pm$ 0.057 χ^2/NDF : 911923.5/16

Left Out: 205.016 $\pm$ 0.074 χ^2/NDF :293981.4/5

Right Out: 181.089 $\pm$ 0.051 χ^2/NDF : 1348390.5/19

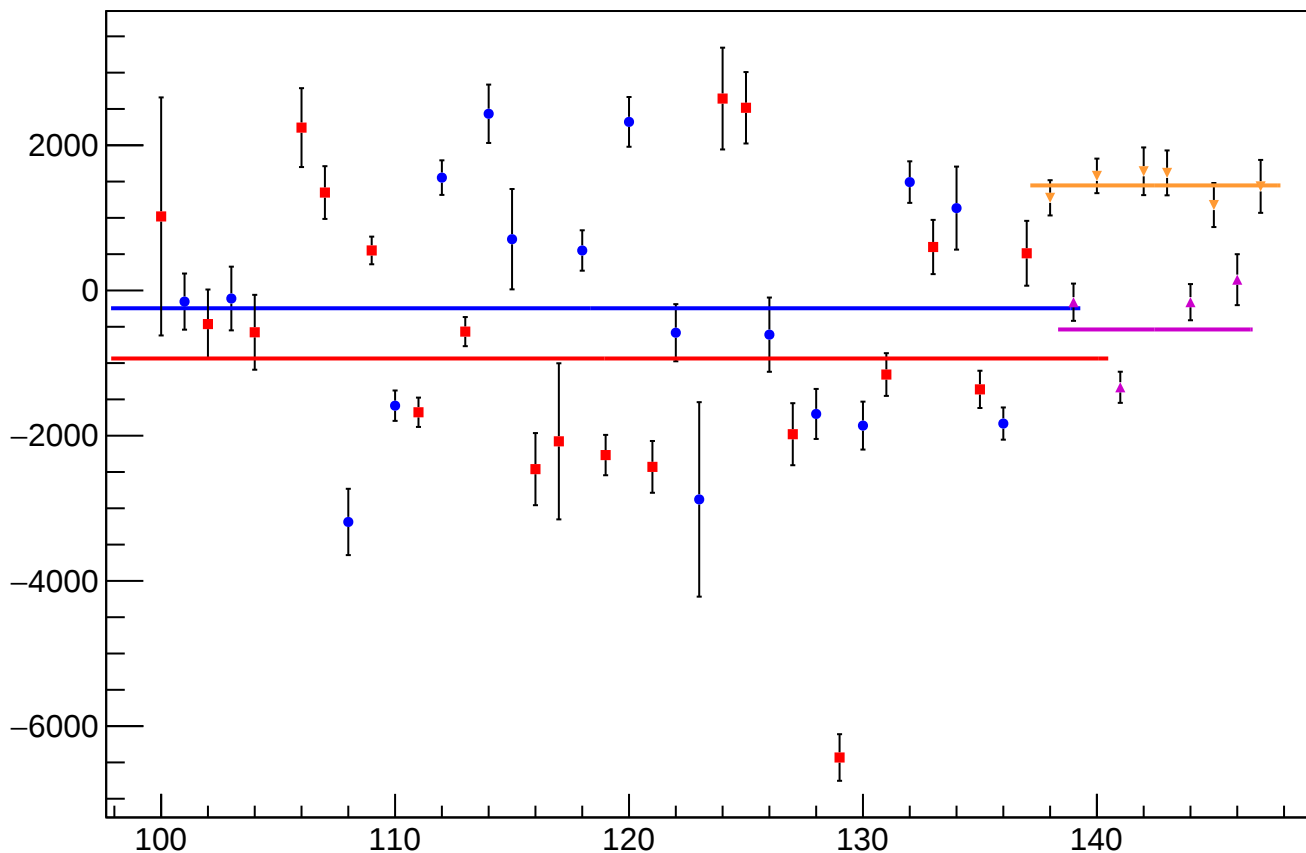
Left In: 195.673 $\pm$ 0.079 χ^2/NDF :226273.6/3

199.985 $\pm$ 0.045 χ^2/NDF : 1213306.9/22

192.380 $\pm$ 0.031 χ^2/NDF : 2866723.4/46

185.382 $\pm$ 0.043 χ^2/NDF : 1598432.8/23

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -244.925 ± 81.395 $\chi^2/\text{NDF}: 391.4/16$

Left Out: 1446.877 ± 117.226 $\chi^2/\text{NDF}: 2.3/5$

Right Out: -936.709 ± 74.030 $\chi^2/\text{NDF}: 610.9/19$

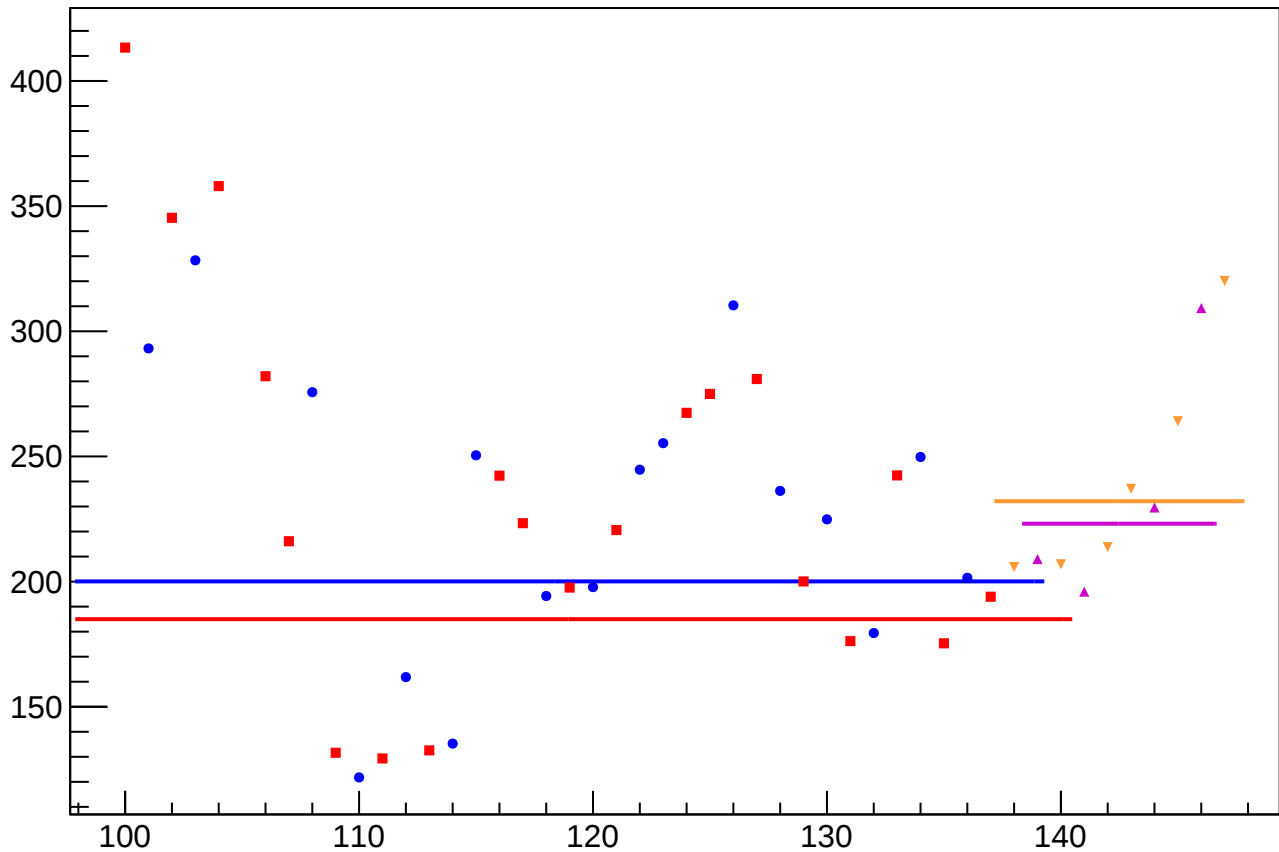
Left In: -537.073 ± 127.872 $\chi^2/\text{NDF}: 22.0/3$

305.395 ± 66.859 $\chi^2/\text{NDF}: 534.2/22$

-289.827 ± 46.258 $\chi^2/\text{NDF}: 1326.4/46$

-836.389 ± 64.067 $\chi^2/\text{NDF}: 640.2/23$

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 200.078+/-0.058 χ^2/NDF : 918309.2/16

Left Out: 232.122+/-0.083 χ^2/NDF : 191390.3/5

Right Out: 184.990+/-0.052 χ^2/NDF : 1320825.4/19

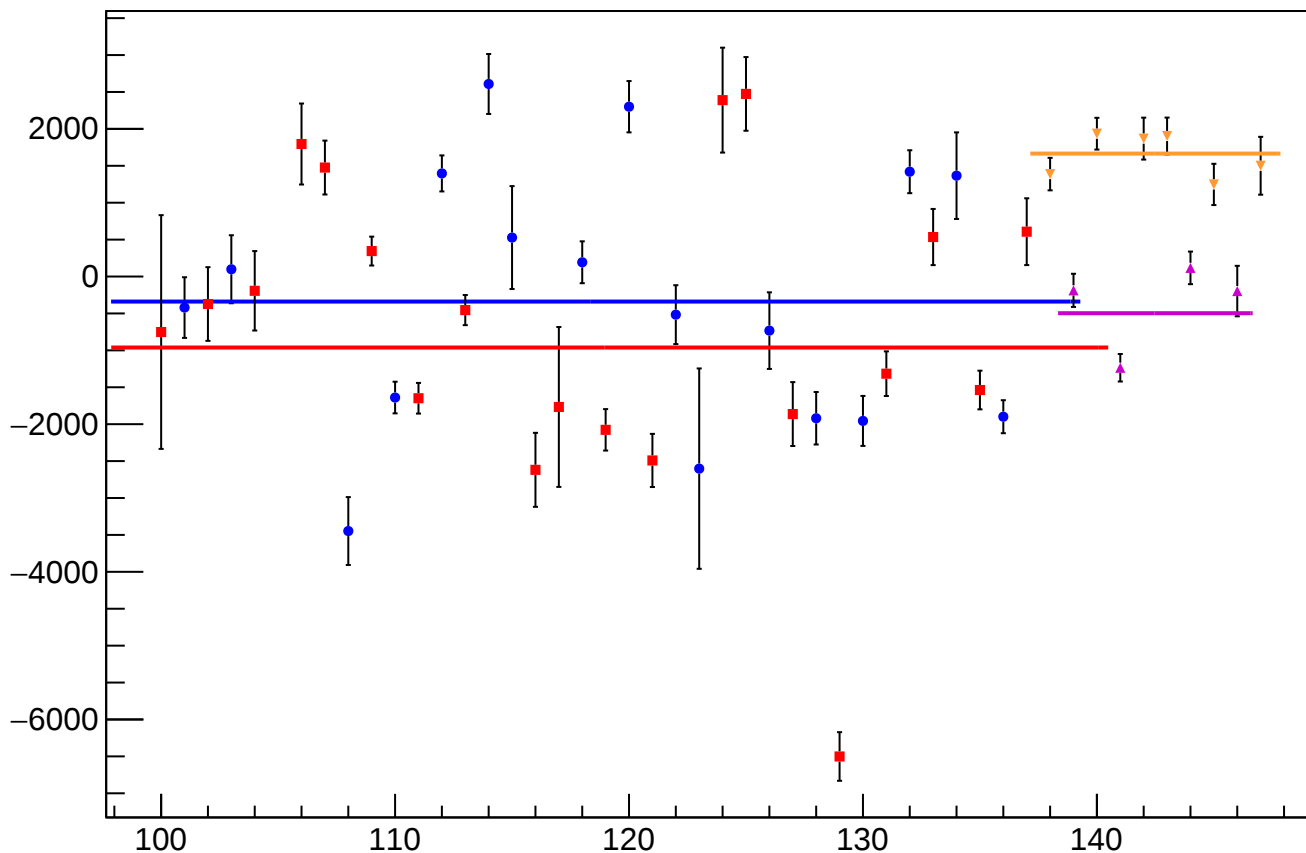
Left In: 223.130+/-0.090 χ^2/NDF : 160000.6/3

210.502+/-0.047 χ^2/NDF : 1210526.1/22

202.193+/-0.033 χ^2/NDF : 2883854.1/46

194.564+/-0.045 χ^2/NDF : 1614084.5/23

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -338.966 ± 83.123 $\chi^2/\text{NDF}: 389.5/16$

Left Out: 1665.451 ± 105.397 $\chi^2/\text{NDF}: 7.0/5$

Right Out: -961.556 ± 75.564 $\chi^2/\text{NDF}: 570.9/19$

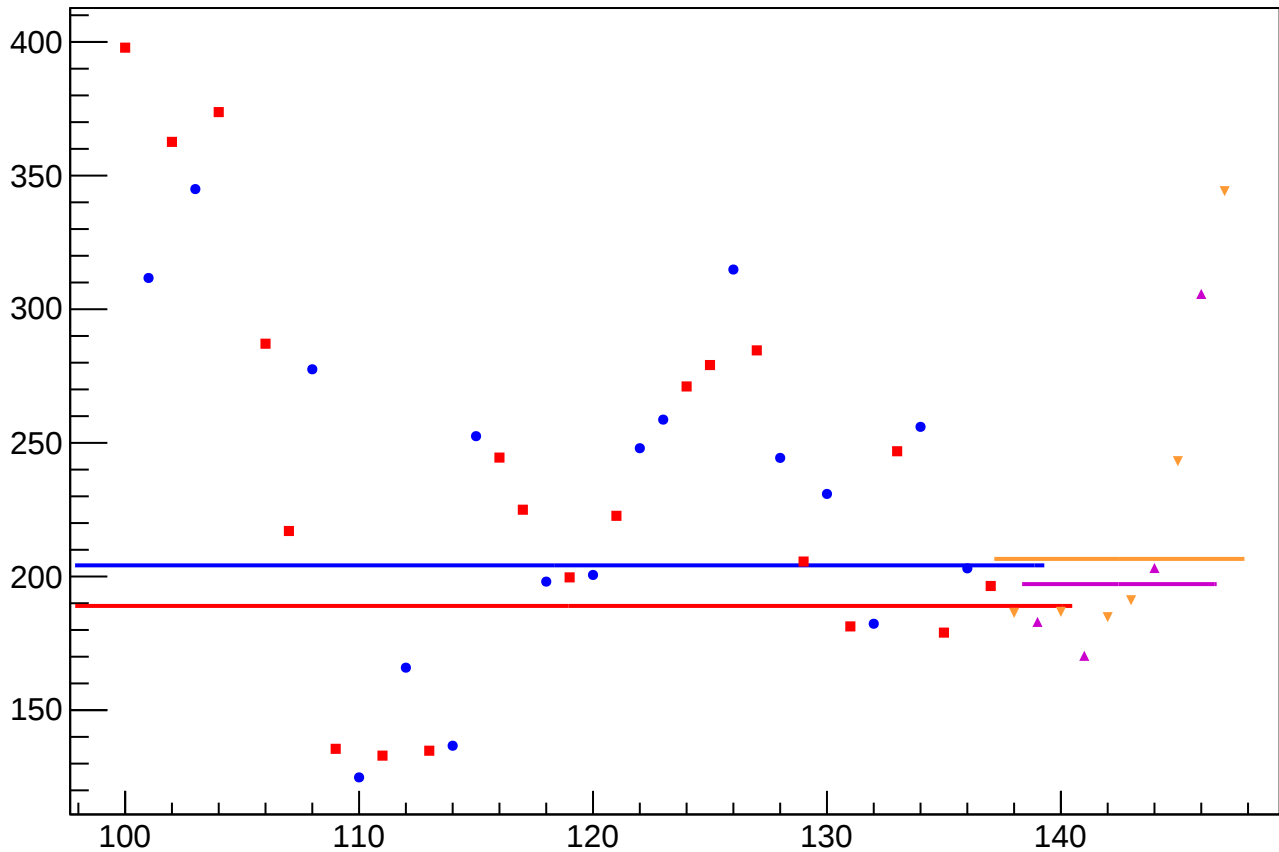
Left In: -496.670 ± 113.442 $\chi^2/\text{NDF}: 26.1/3$

429.674 ± 65.267 $\chi^2/\text{NDF}: 619.4/22$

-217.658 ± 45.287 $\chi^2/\text{NDF}: 1417.8/46$

-818.681 ± 62.889 $\chi^2/\text{NDF}: 608.6/23$

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 204.175 $\pm$ 0.059 χ^2/NDF : 947438.5/16

Left Out: 206.592 $\pm$ 0.075 χ^2/NDF : 334004.5/5

Right Out: 188.997 $\pm$ 0.053 χ^2/NDF : 1317112.1/19

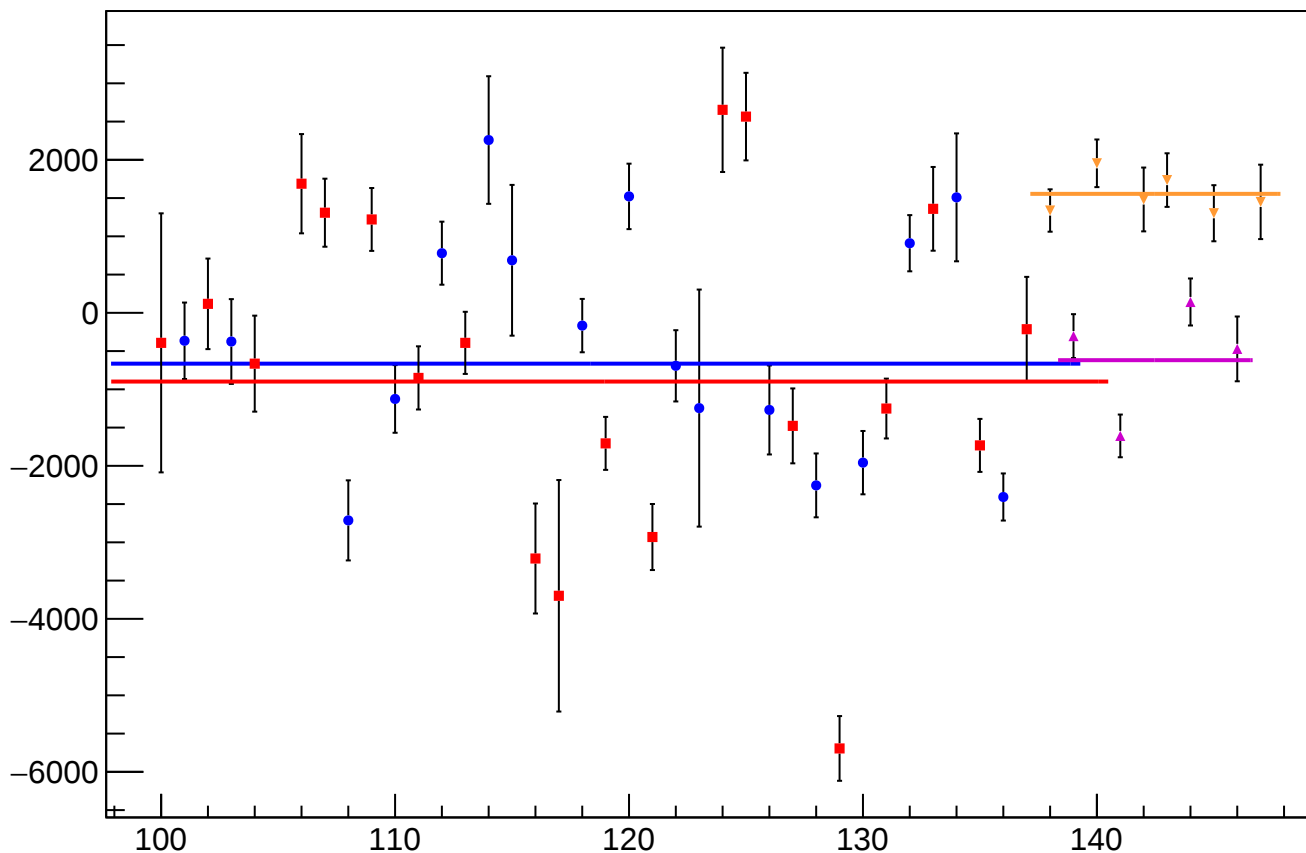
Left In: 197.163 $\pm$ 0.080 χ^2/NDF : 252753.1/3

205.102 $\pm$ 0.046 χ^2/NDF : 1282091.2/22

198.052 $\pm$ 0.032 χ^2/NDF : 2904131.8/46

191.507 $\pm$ 0.044 χ^2/NDF : 1577042.8/23

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -664.383 $\pm$ 113.949 χ^2/NDF : 154.3/16

Left Out: 1555.187 $\pm$ 142.981 χ^2/NDF : 3.1/5

Right Out: -898.290 $\pm$ 110.578 χ^2/NDF : 323.5/19

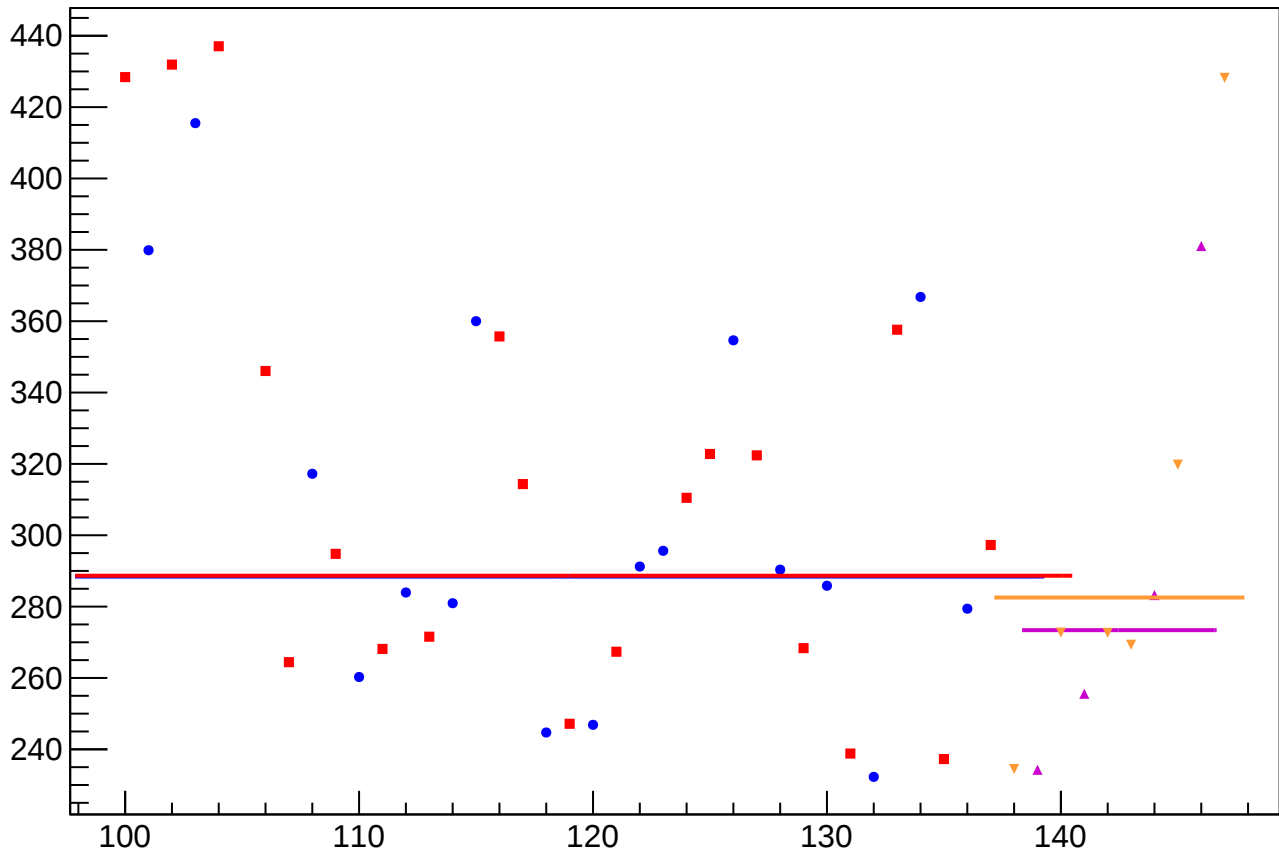
Left In: -618.820 $\pm$ 155.867 χ^2/NDF : 20.0/3

197.755 $\pm$ 89.111 χ^2/NDF : 304.8/22

-297.469 $\pm$ 63.388 χ^2/NDF : 713.0/46

-804.724 $\pm$ 90.187 χ^2/NDF : 345.7/23

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 288.428 ± 0.081 $\chi^2/\text{NDF}: 339820.0/16$

Left Out: 282.551 ± 0.101 $\chi^2/\text{NDF}: 266215.0/5$

Right Out: 288.660 ± 0.078 $\chi^2/\text{NDF}: 455989.7/19$

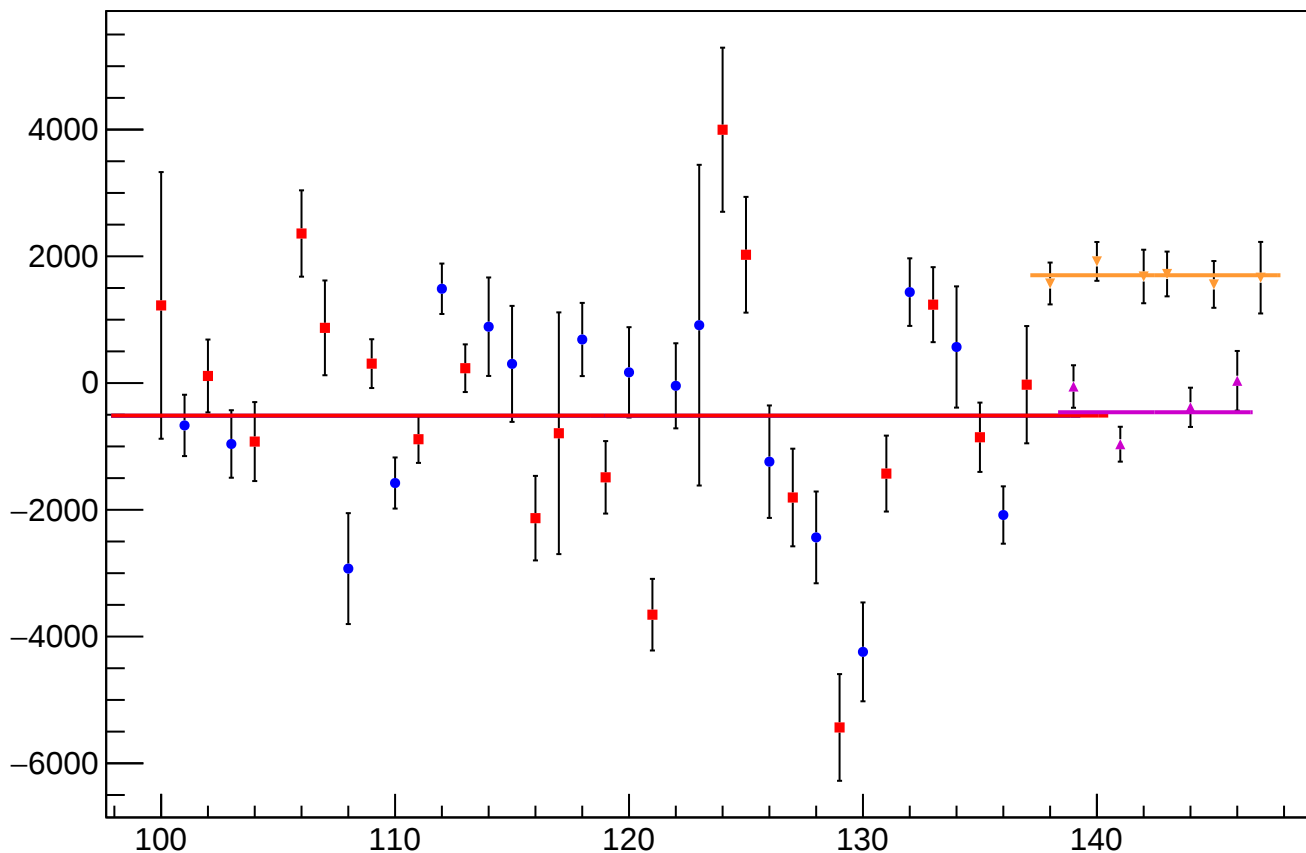
Left In: 273.401 ± 0.110 $\chi^2/\text{NDF}: 176802.7/3$

286.145 ± 0.063 $\chi^2/\text{NDF}: 608101.5/22$

284.864 ± 0.045 $\chi^2/\text{NDF}: 1254480.8/46$

283.551 ± 0.064 $\chi^2/\text{NDF}: 645542.1/23$

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -515.894 ± 147.326 χ^2/NDF : 108.0/16

Left Out: 1701.414 ± 150.868 χ^2/NDF : 0.8/5

Right Out: -513.264 ± 135.456 χ^2/NDF : 141.3/19

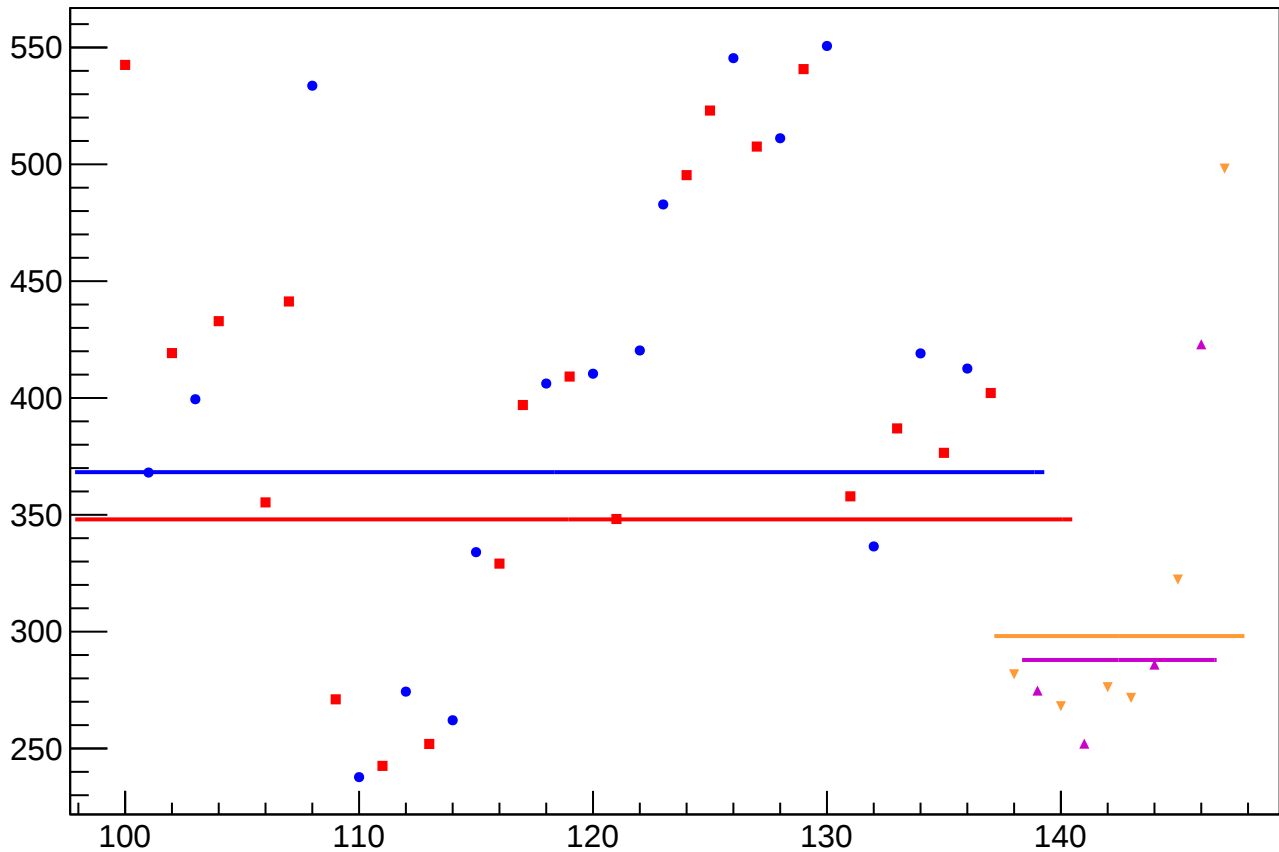
Left In: -460.422 ± 164.330 χ^2/NDF : 6.0/3

566.429 ± 105.405 χ^2/NDF : 219.4/22

32.825 ± 74.219 χ^2/NDF : 417.6/46

-491.886 ± 104.523 χ^2/NDF : 147.4/23

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 368.264 $\pm$ 0.104 χ^2 /NDF: 770116.6/16

Left Out: 298.113 $\pm$ 0.107 χ^2 /NDF: 300361.7/5

Right Out: 348.050 $\pm$ 0.096 χ^2 /NDF: 823186.4/19

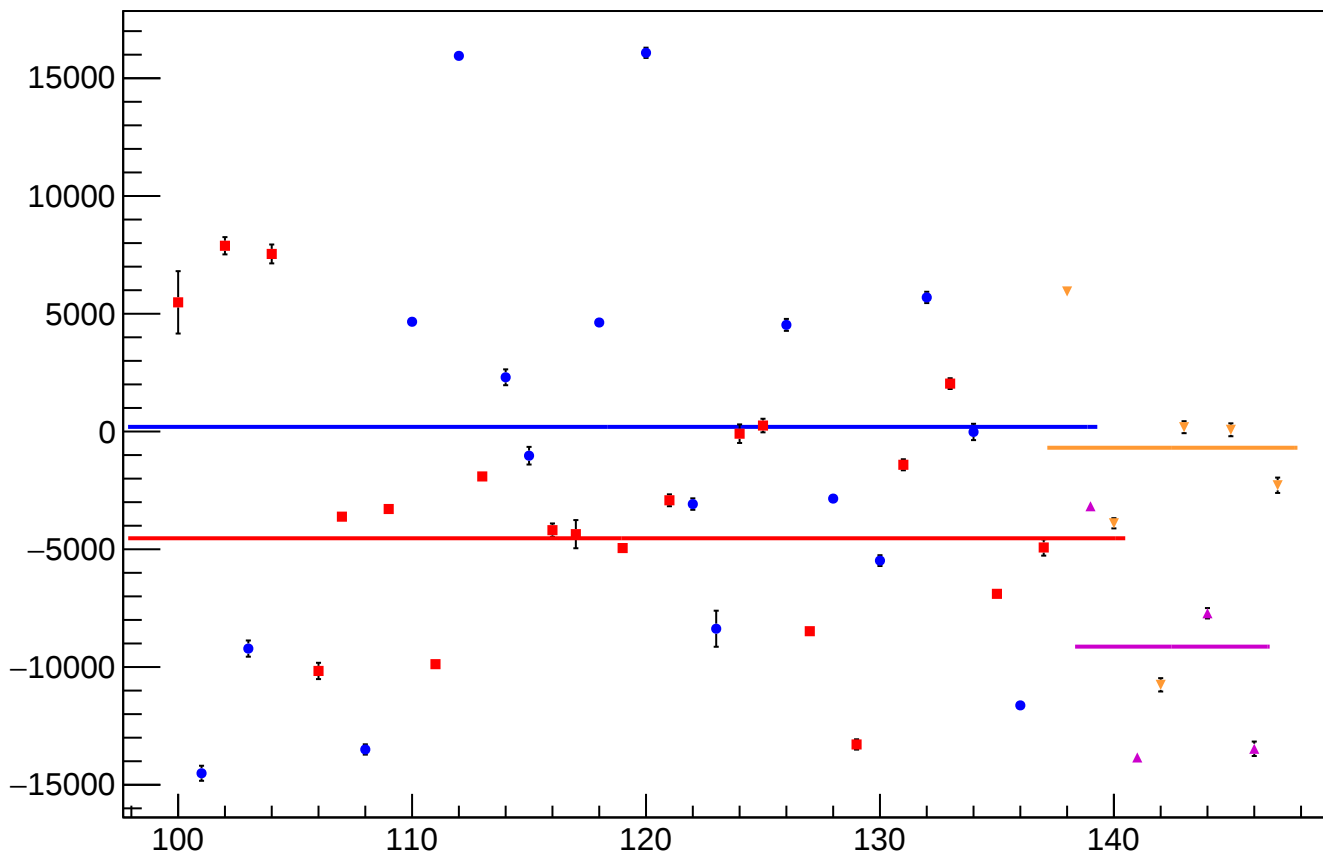
Left In: 287.880 $\pm$ 0.116 χ^2 /NDF: 201735.7/3

334.021 $\pm$ 0.075 χ^2 /NDF: 1291825.3/22

328.821 $\pm$ 0.052 χ^2 /NDF: 2486060.8/46

323.707 $\pm$ 0.074 χ^2 /NDF: 1184580.0/23

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: -689.055+/-100.239 χ^2/NDF : 2747.1/5

Right Out: -4532.856+/-52.261 χ^2/NDF : 7477.3/19

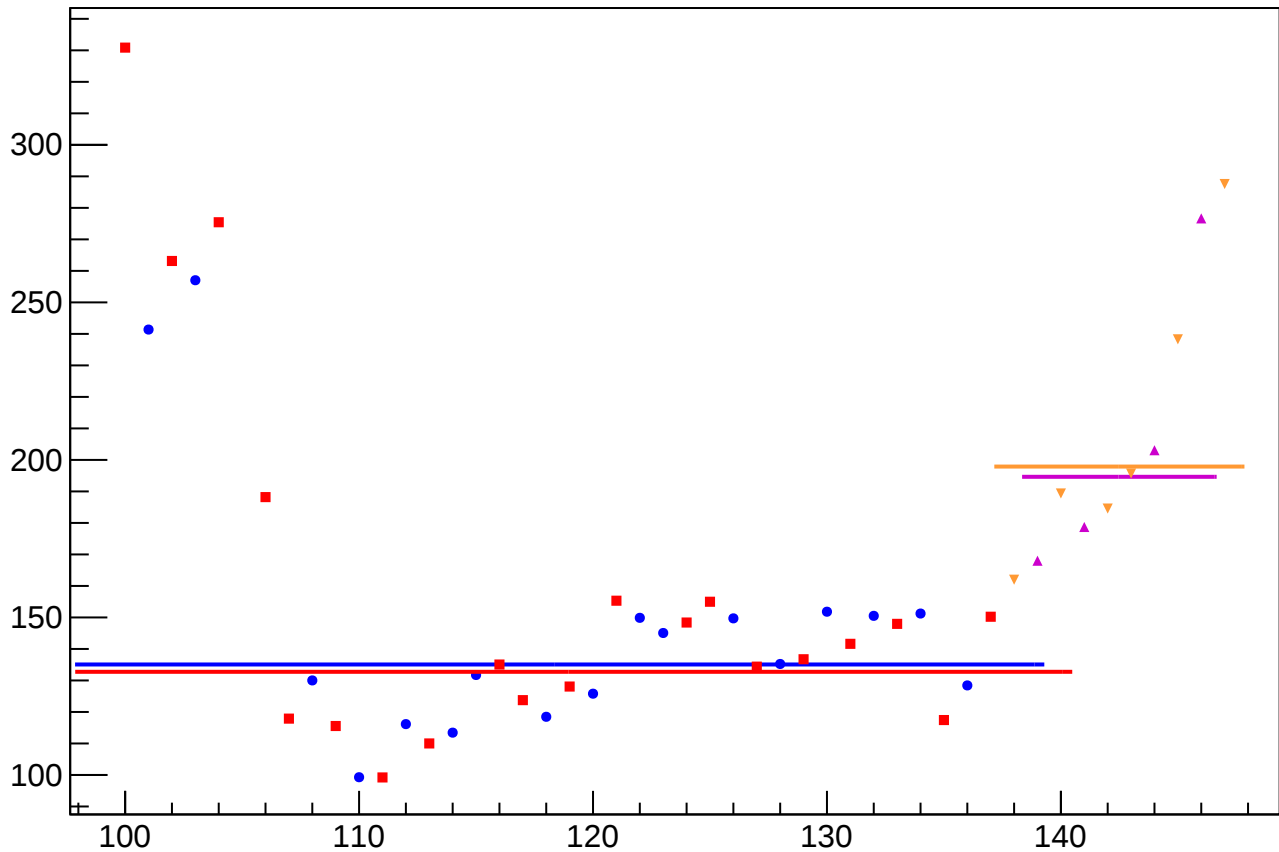
Left In: -9133.540+/-111.231 χ^2/NDF : 1654.7/3

-6.869+/-48.083 χ^2/NDF : 33465.6/22

-2729.779+/-33.720 χ^2/NDF : 50309.4/46

-5364.811+/-47.300 χ^2/NDF : 10533.5/23

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 135.072 $\pm$ 0.039 χ^2/NDF : 658703.5/16

Left Out: 197.890 $\pm$ 0.071 χ^2/NDF : 273749.0/5

Right Out: 132.747 $\pm$ 0.037 χ^2/NDF : 831647.2/19

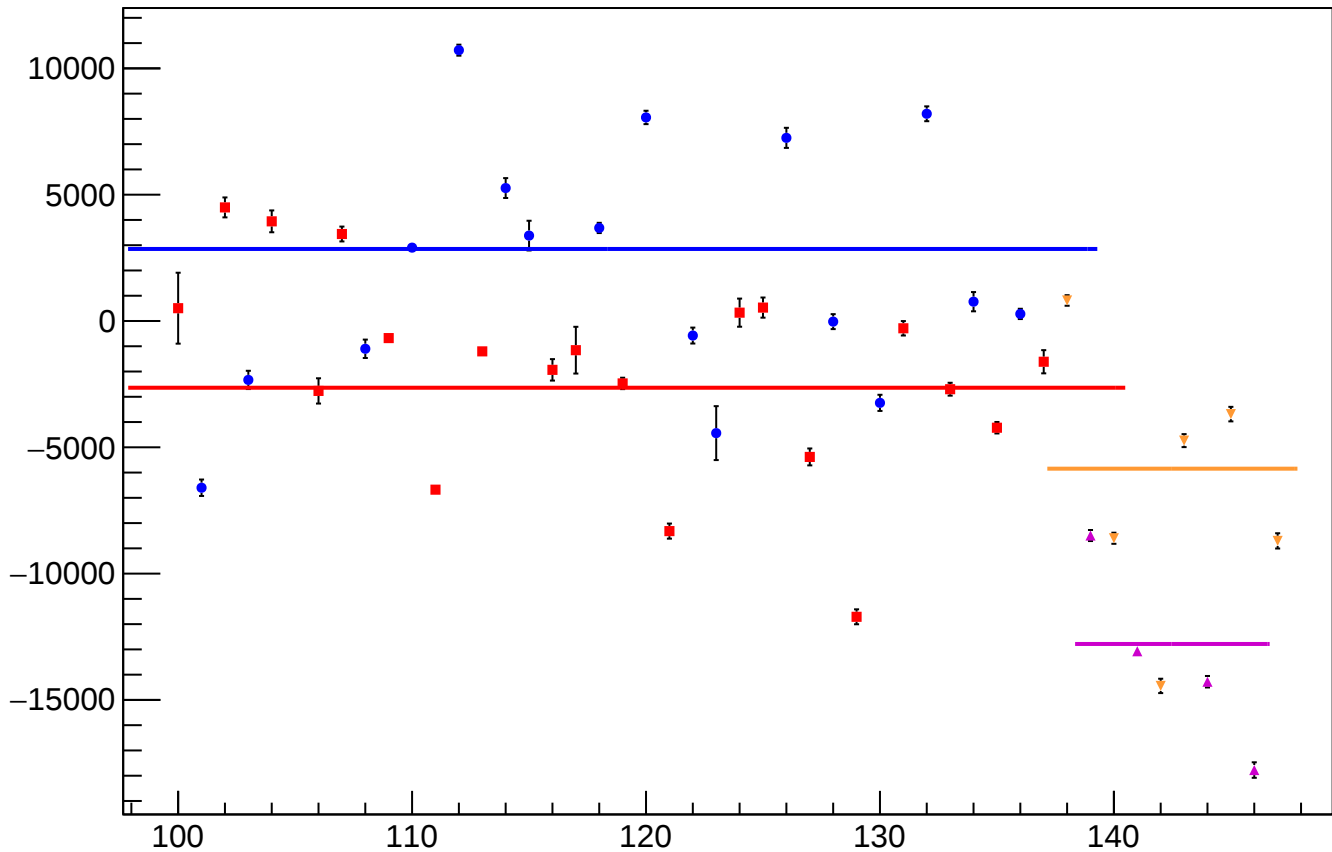
Left In: 194.641 $\pm$ 0.079 χ^2/NDF : 192100.9/3

149.526 $\pm$ 0.034 χ^2/NDF : 1537183.1/22

146.687 $\pm$ 0.024 χ^2/NDF : 3081928.8/46

143.940 $\pm$ 0.033 χ^2/NDF : 1531026.4/23

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2851.437 $\pm$ 70.753 χ^2 /NDF: 4178.1/16

Left Out: -5845.904 $\pm$ 103.140 χ^2 /NDF:2245.7/5

Right Out: -2641.642 $\pm$ 65.566 χ^2 /NDF: 3178.3/19

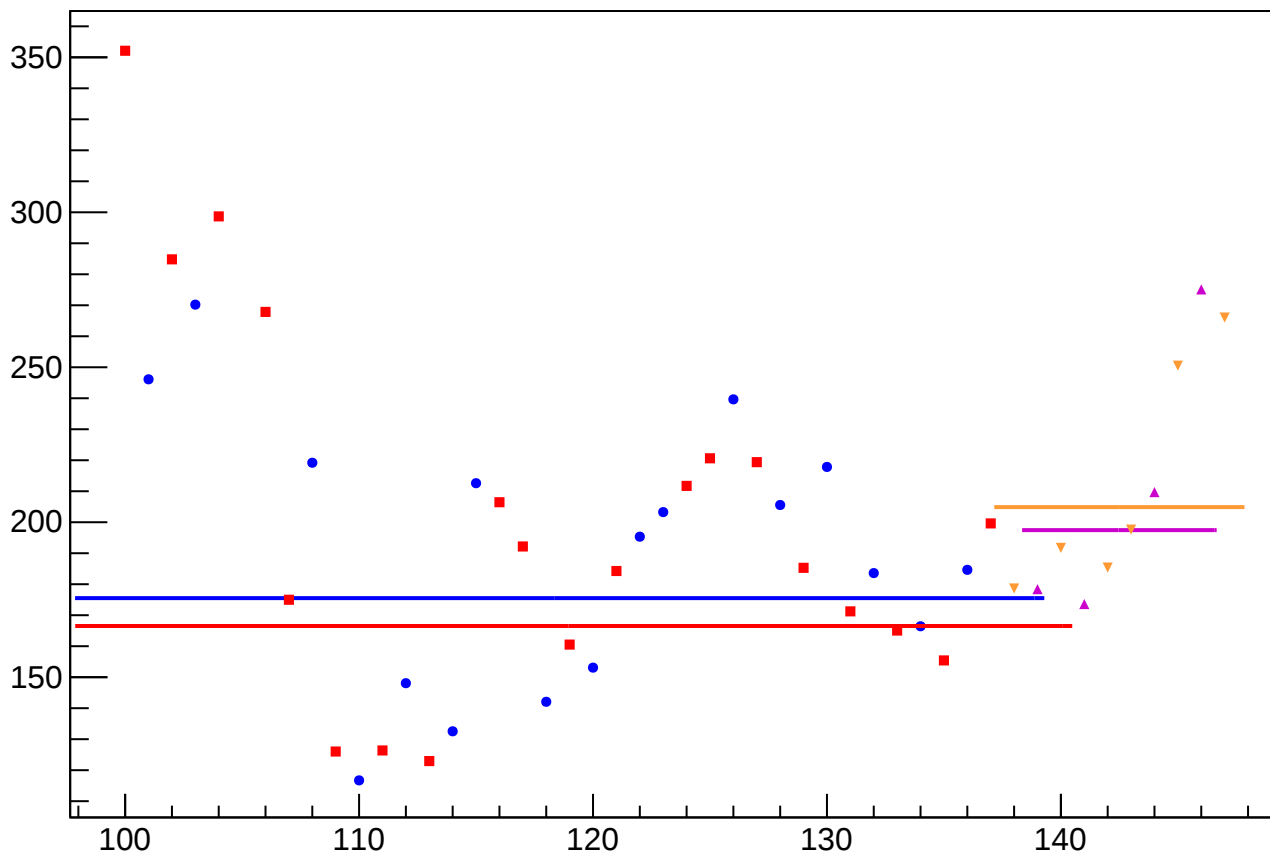
Left In: -12785.010 $\pm$ 112.761 χ^2 /NDF:695.6/3

68.296 $\pm$ 58.345 χ^2 /NDF: 11259.2/22

-2644.407 $\pm$ 40.655 χ^2 /NDF: 25382.3/46

-5204.547 $\pm$ 56.680 χ^2 /NDF: 9921.2/23

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 204.882 $\pm$ 0.073 χ^2 /NDF:181759.7/5

Right Out: 166.522 $\pm$ 0.046 χ^2 /NDF: 931079.9/19

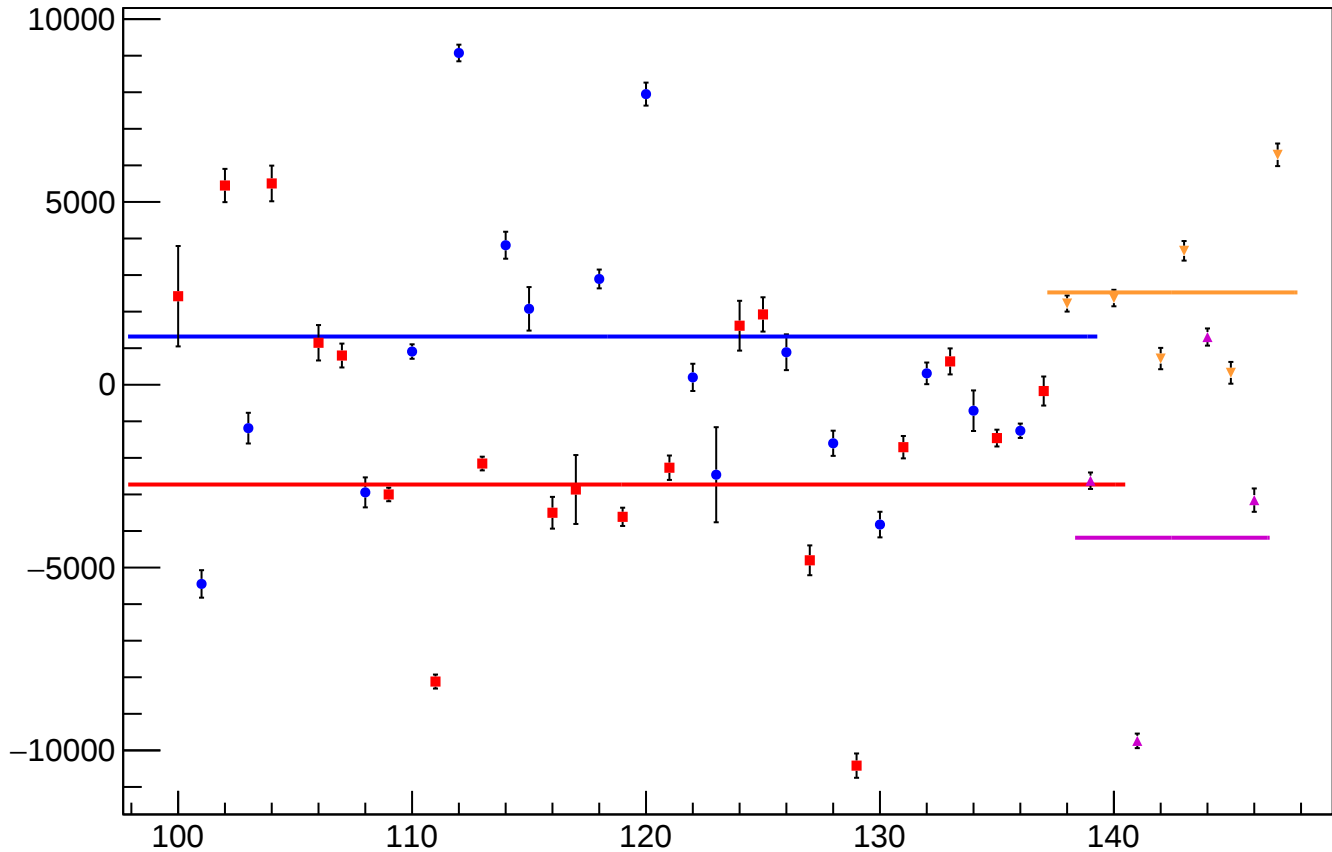
Left In: 197.453 $\pm$ 0.080 χ^2 /NDF:180672.5/3

184.912 $\pm$ 0.041 χ^2 /NDF: 981660.8/22

179.472 $\pm$ 0.029 χ^2 /NDF: 2239675.3/46

174.338 $\pm$ 0.040 χ^2 /NDF: 1224217.8/23

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 2525.101+/-106.779 χ^2/NDF : 261.7/5

Right Out: -2728.550+/-69.837 χ^2/NDF : 2495.9/19

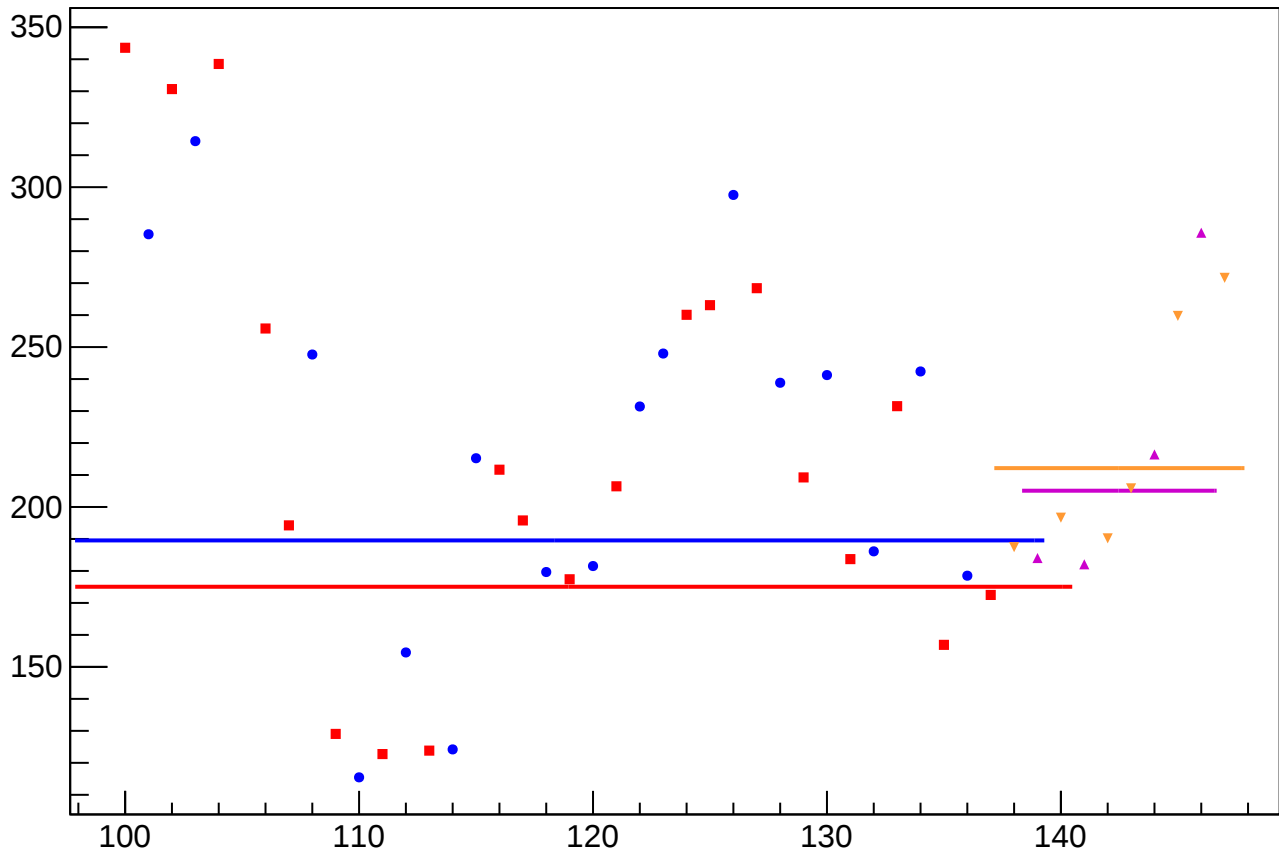
Left In: -4183.811+/-117.156 χ^2/NDF : 1383.5/3

1732.652+/-62.533 χ^2/NDF : 3012.6/22

-789.275+/-43.289 χ^2/NDF : 10129.2/46

-3110.085+/-59.987 χ^2/NDF : 3993.3/23

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 189.544 $\pm$ 0.055 χ^2/NDF : 980744.6/16

Left Out: 212.150 $\pm$ 0.076 χ^2/NDF : 172299.8/5

Right Out: 175.058 $\pm$ 0.049 χ^2/NDF : 1298079.7/19

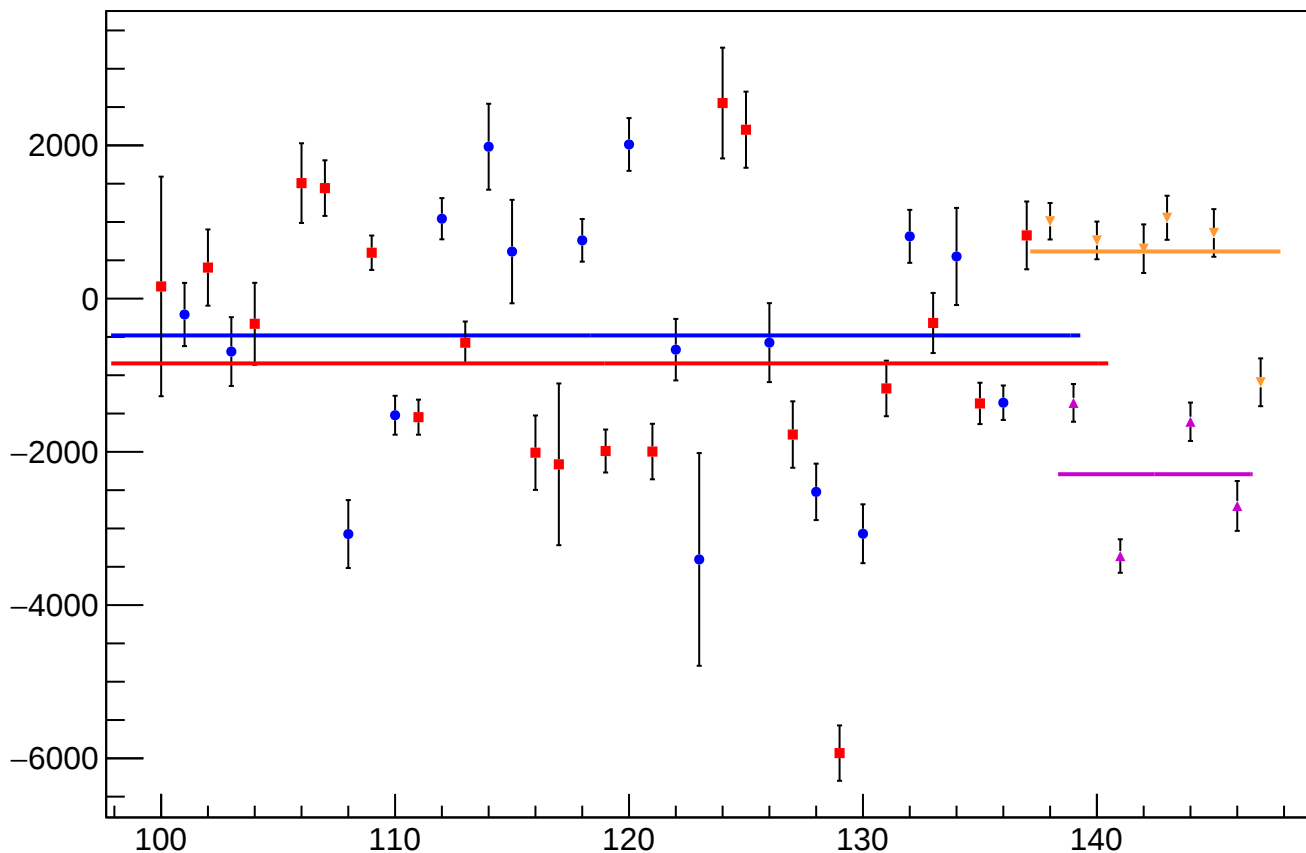
Left In: 205.089 $\pm$ 0.083 χ^2/NDF : 176309.3/3

197.297 $\pm$ 0.044 χ^2/NDF : 1211942.2/22

189.816 $\pm$ 0.031 χ^2/NDF : 2838259.6/46

182.931 $\pm$ 0.042 χ^2/NDF : 1571346.5/23

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -480.578+/-88.640 χ^2/NDF : 290.7/16

Left Out: 615.280+/-114.068 χ^2/NDF : 36.0/5

Right Out: -845.444+/-81.995 χ^2/NDF : 436.9/19

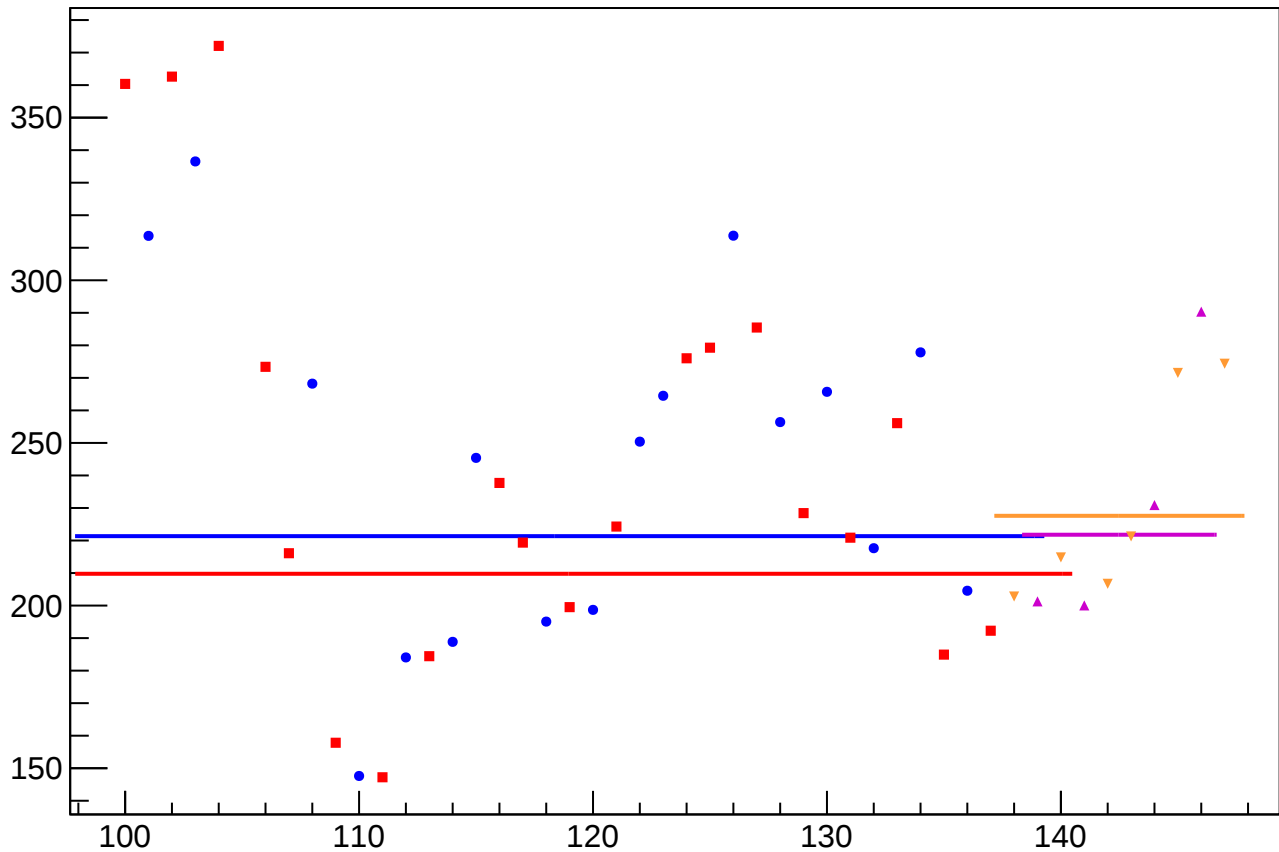
Left In: -2291.826+/-126.148 χ^2/NDF : 47.3/3

-67.983+/-69.992 χ^2/NDF : 384.2/22

-682.325+/-49.046 χ^2/NDF : 1112.2/46

-1275.027+/-68.748 χ^2/NDF : 576.6/23

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.342 $\pm$ 0.063 χ^2/NDF : 645688.1/16

Left Out: 227.595 $\pm$ 0.081 χ^2/NDF : 121610.7/5

Right Out: 209.775 $\pm$ 0.058 χ^2/NDF : 884083.7/19

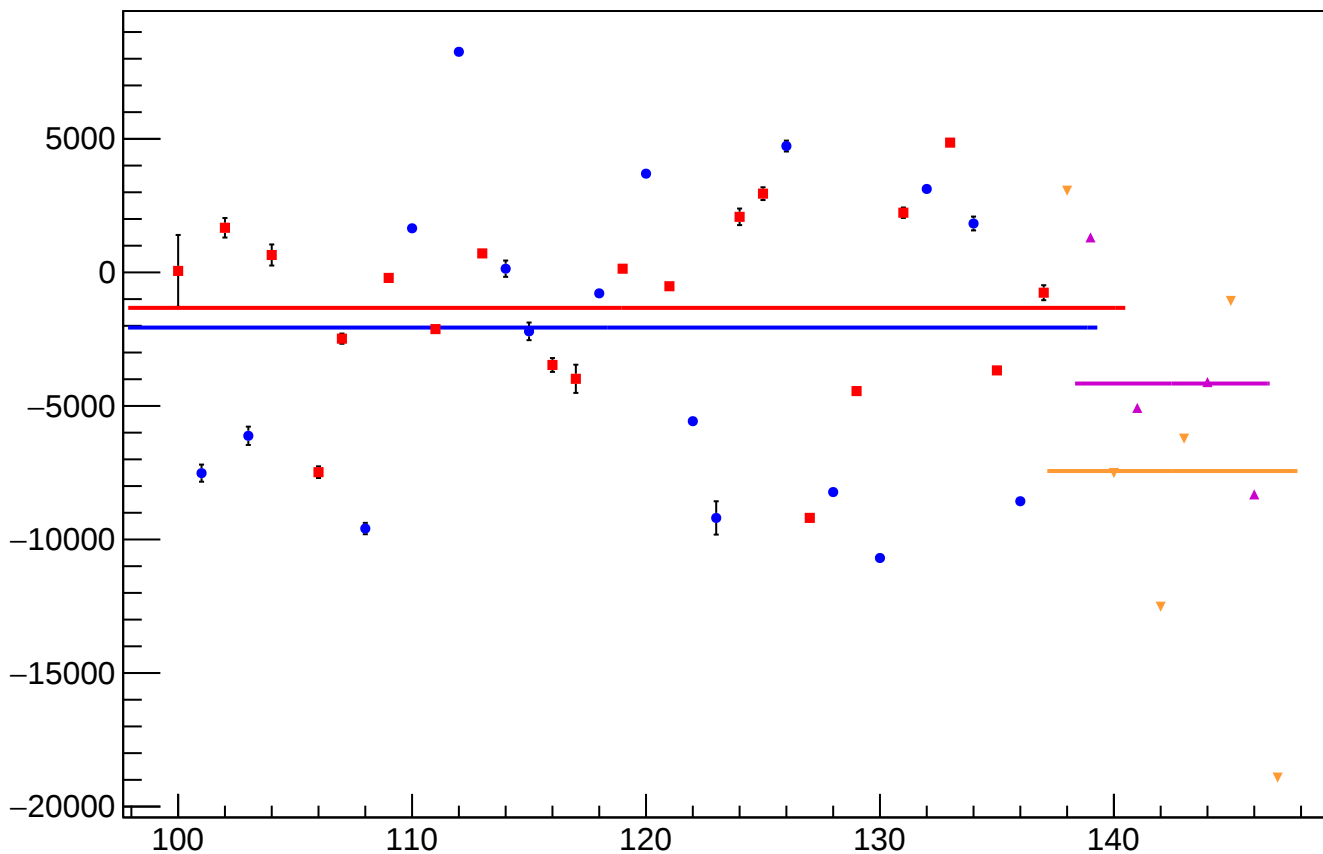
Left In: 221.780 $\pm$ 0.089 χ^2/NDF : 125080.9/3

223.696 $\pm$ 0.049 χ^2/NDF : 771045.7/22

218.426 $\pm$ 0.035 χ^2/NDF : 1815228.5/46

213.340 $\pm$ 0.049 χ^2/NDF : 1021898.3/23

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.160 $\pm$ 47.322 χ^2/NDF : 16533.3/16

Left Out: -7436.986 $\pm$ 54.394 χ^2/NDF : 18827.9/5

Right Out: -1327.819 $\pm$ 44.838 χ^2/NDF : 5919.9/19

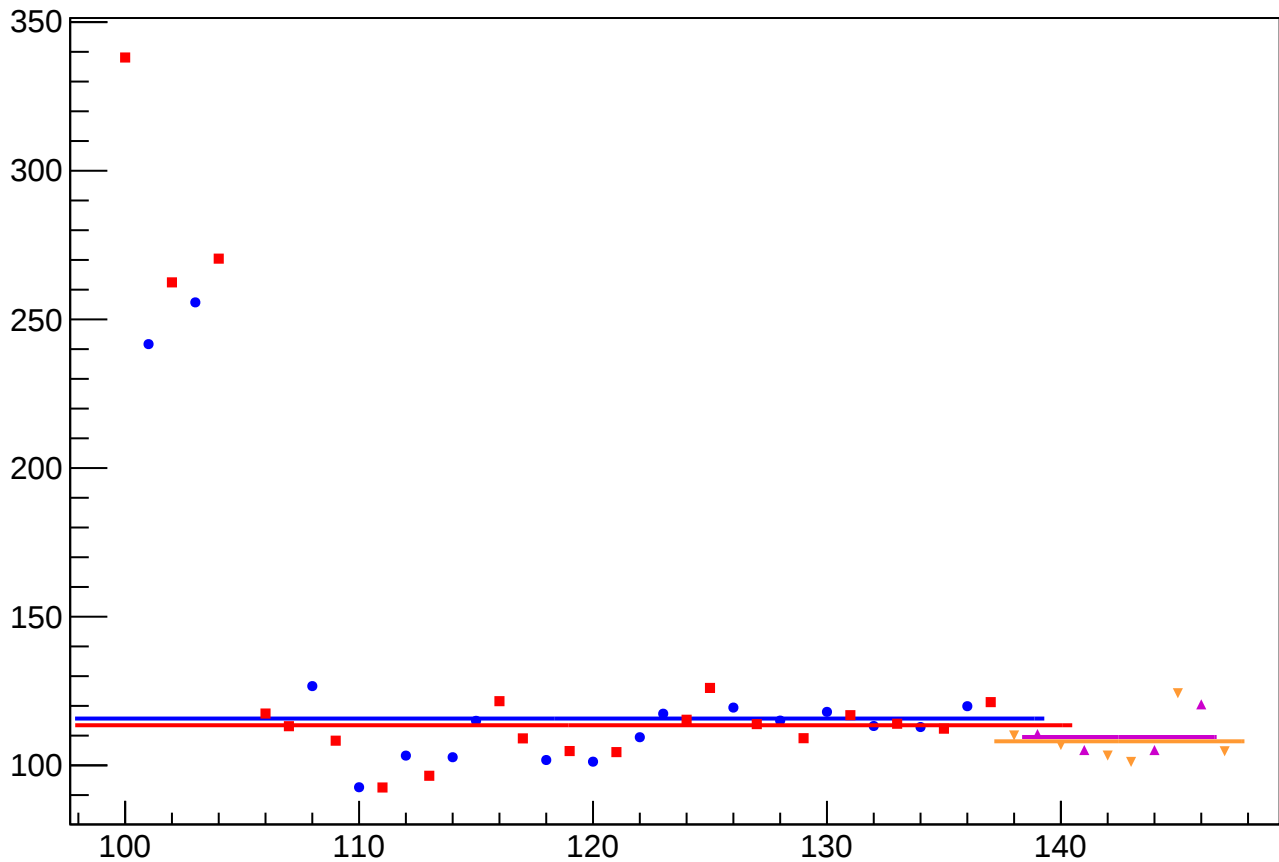
Left In: -4160.718 $\pm$ 62.255 χ^2/NDF : 2603.6/3

-4379.382 $\pm$ 35.702 χ^2/NDF : 40912.5/22

-3357.106 $\pm$ 25.483 χ^2/NDF : 52470.8/46

-2295.416 $\pm$ 36.384 χ^2/NDF : 9886.9/23

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 ± 0.033 $\chi^2/\text{NDF}: 744017.7/16$

Left Out: 108.085 ± 0.038 $\chi^2/\text{NDF}: 34725.3/5$

Right Out: 113.487 ± 0.032 $\chi^2/\text{NDF}: 796781.7/19$

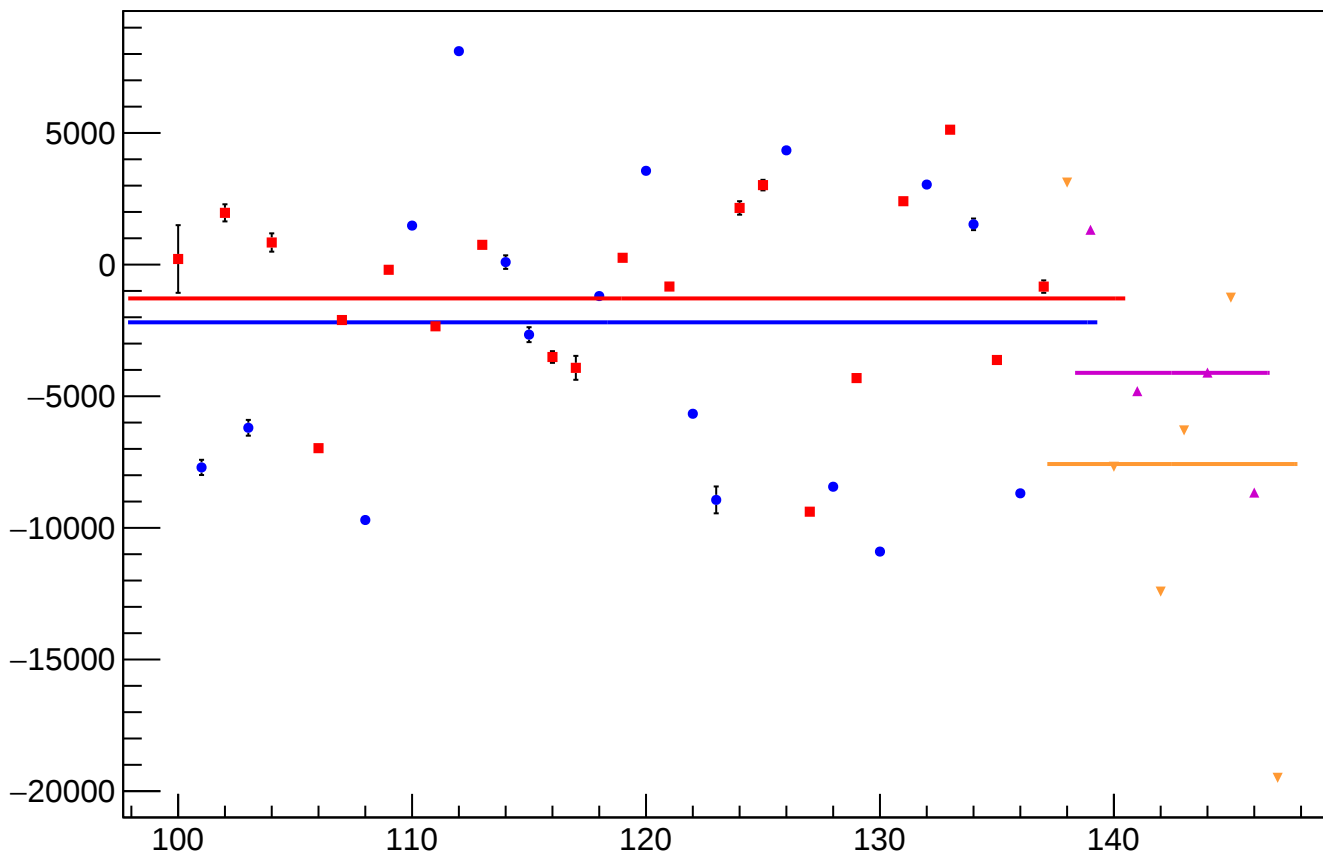
Left In: 109.533 ± 0.044 $\chi^2/\text{NDF}: 19112.9/3$

112.442 ± 0.025 $\chi^2/\text{NDF}: 801294.8/22$

112.292 ± 0.018 $\chi^2/\text{NDF}: 1622574.7/46$

112.136 ± 0.026 $\chi^2/\text{NDF}: 821207.9/23$

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2192.327+/-39.944 χ^2 /NDF: 22813.5/16

Left Out: -7574.560+/-50.426 χ^2 /NDF:22296.9/5

Right Out: -1284.692+/-37.915 χ^2 /NDF: 8584.4/19

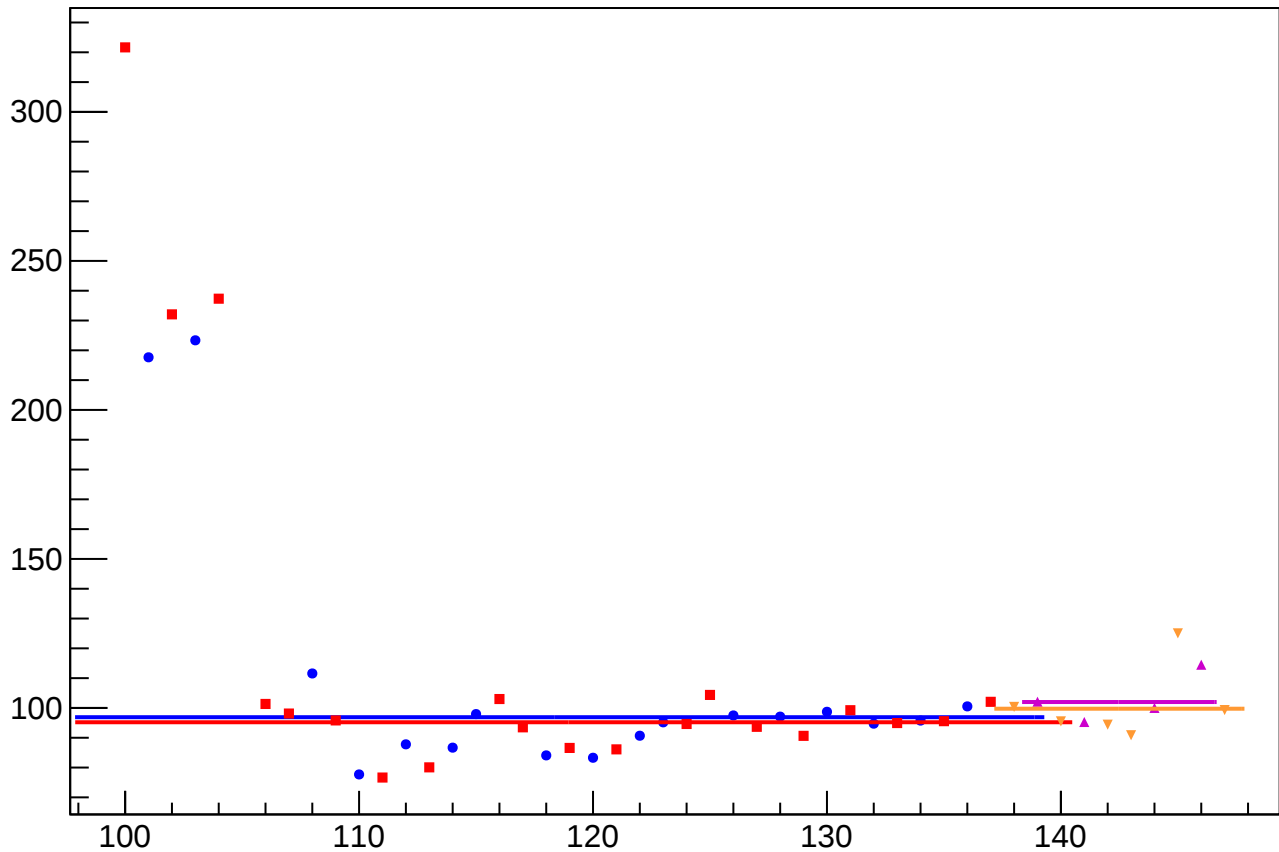
Left In: -4111.450+/-58.080 χ^2 /NDF:3143.8/3

-4267.441+/-31.311 χ^2 /NDF: 52110.5/22

-3213.266+/-22.293 χ^2 /NDF: 67798.8/46

-2129.386+/-31.749 χ^2 /NDF: 13389.2/23

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 96.894 $\pm$ 0.028 χ^2/NDF : 817229.9/16

Left Out: 99.744 $\pm$ 0.036 χ^2/NDF : 77724.1/5

Right Out: 95.201 $\pm$ 0.027 χ^2/NDF : 859838.2/19

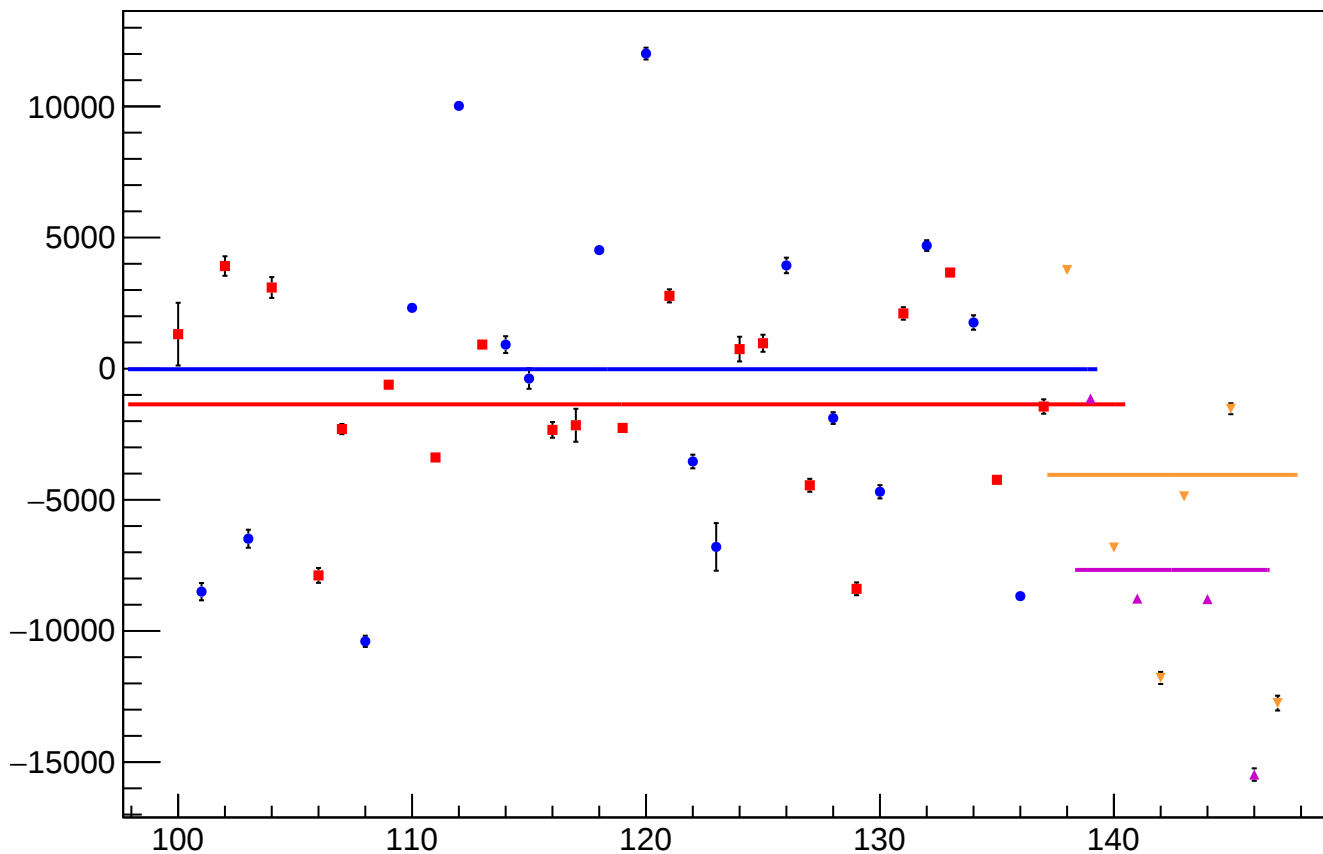
Left In: 101.988 $\pm$ 0.041 χ^2/NDF : 27839.7/3

97.993 $\pm$ 0.022 χ^2/NDF : 898879.5/22

97.616 $\pm$ 0.016 χ^2/NDF : 1806290.1/46

97.229 $\pm$ 0.022 χ^2/NDF : 906824.7/23

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -19.990 ± 54.643 χ^2/NDF : 16361.0/16

Left Out: -4048.925 ± 80.279 χ^2/NDF : 4924.0/5

Right Out: -1359.001 ± 52.186 χ^2/NDF : 3838.8/19

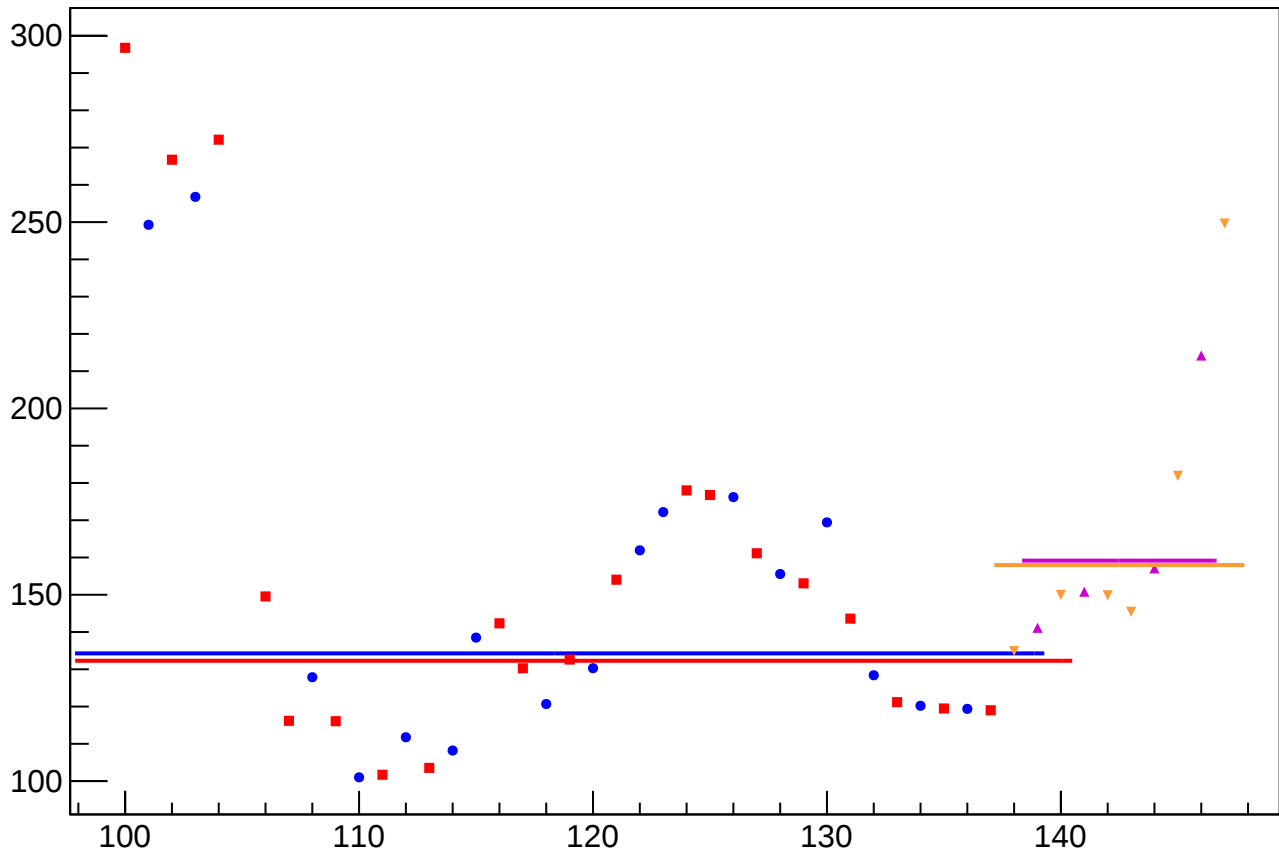
Left In: -7671.386 ± 90.714 χ^2/NDF : 2574.6/3

-1295.615 ± 45.172 χ^2/NDF : 23006.2/22

-2110.984 ± 31.964 χ^2/NDF : 33710.3/46

-2928.614 ± 45.235 χ^2/NDF : 10051.5/23

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 134.268 $\pm$ 0.039 χ^2/NDF : 788647.0/16

Left Out: 157.983 $\pm$ 0.057 χ^2/NDF : 293976.9/5

Right Out: 132.288 $\pm$ 0.037 χ^2/NDF : 869913.4/19

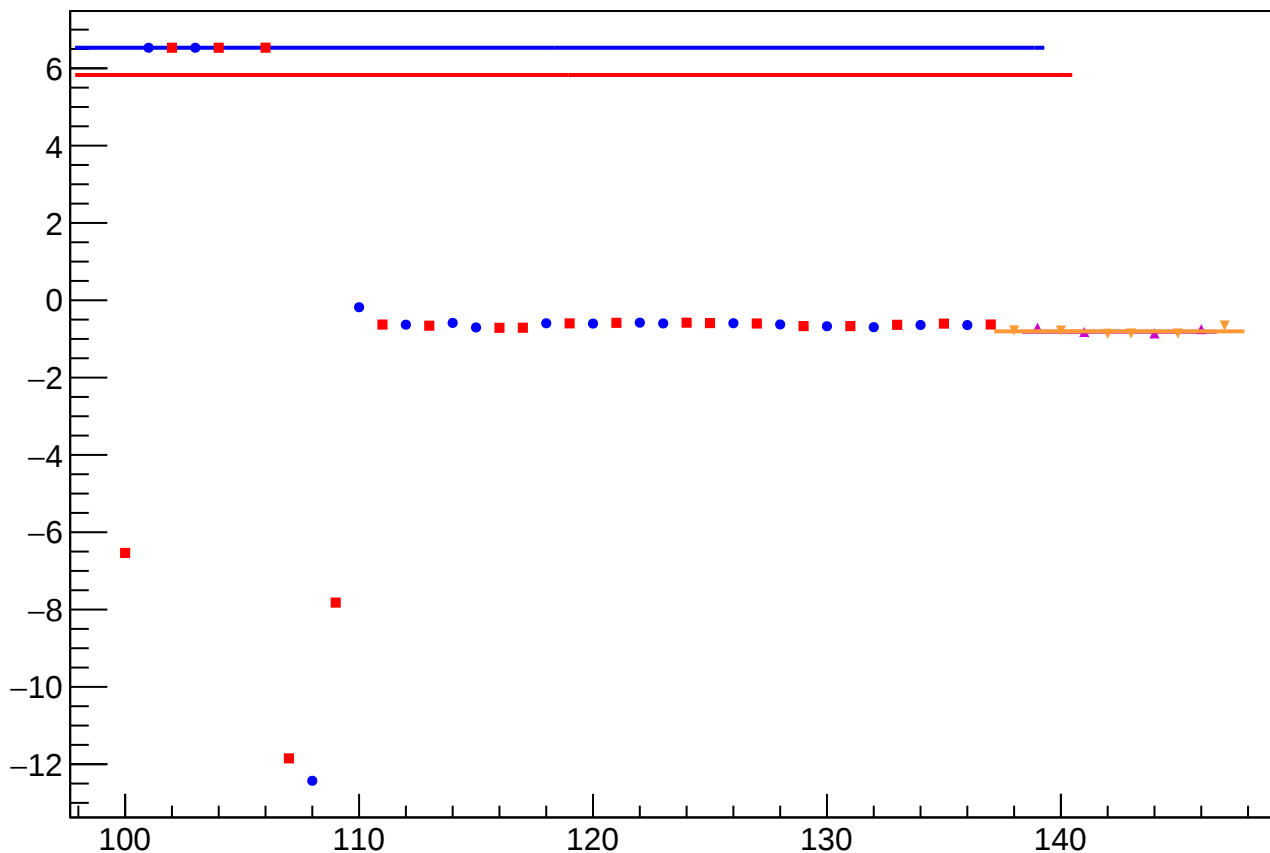
Left In: 159.162 $\pm$ 0.064 χ^2/NDF : 133980.6/3

141.776 $\pm$ 0.032 χ^2/NDF : 1201902.9/22

140.375 $\pm$ 0.023 χ^2/NDF : 2341528.9/46

138.970 $\pm$ 0.032 χ^2/NDF : 1135773.0/23

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF : 127906780672.7/16

Left Out: -0.804+/-0.000 χ^2/NDF : 24667410.7/5

Right Out: 5.827+/-0.000 χ^2/NDF : 755949520765363.8/19

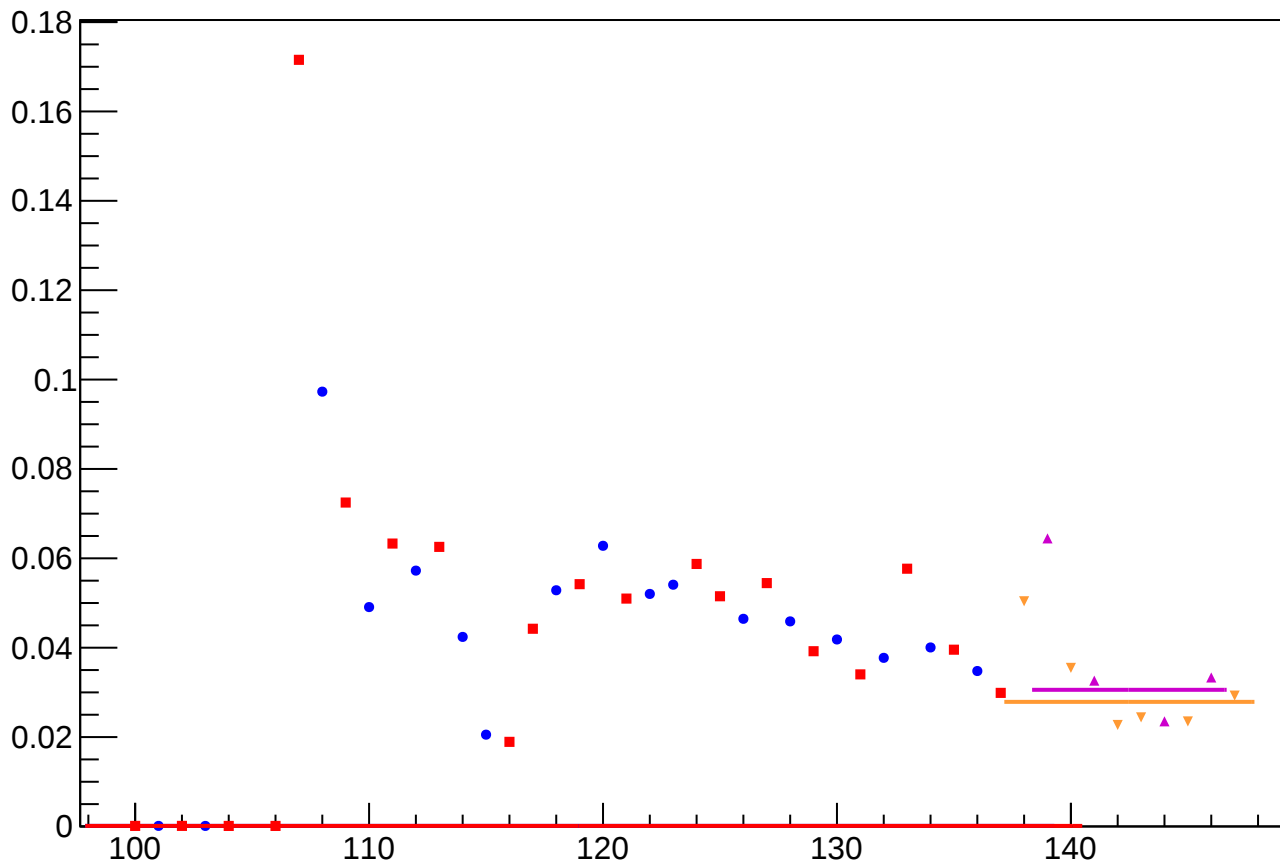
Left In: -0.813+/-0.000 χ^2/NDF : 6745792.4/3

6.531+/-0.000 χ^2/NDF : 326145562999.2/22

6.155+/-0.000 χ^2/NDF : 77637631615727

5.827+/-0.000 χ^2/NDF : 756055908843983.5/23

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.028+/-0.000 χ^2/NDF : 379967.7/5

Right Out: 0.000+/-0.000 χ^2/NDF : 9453181.1/19

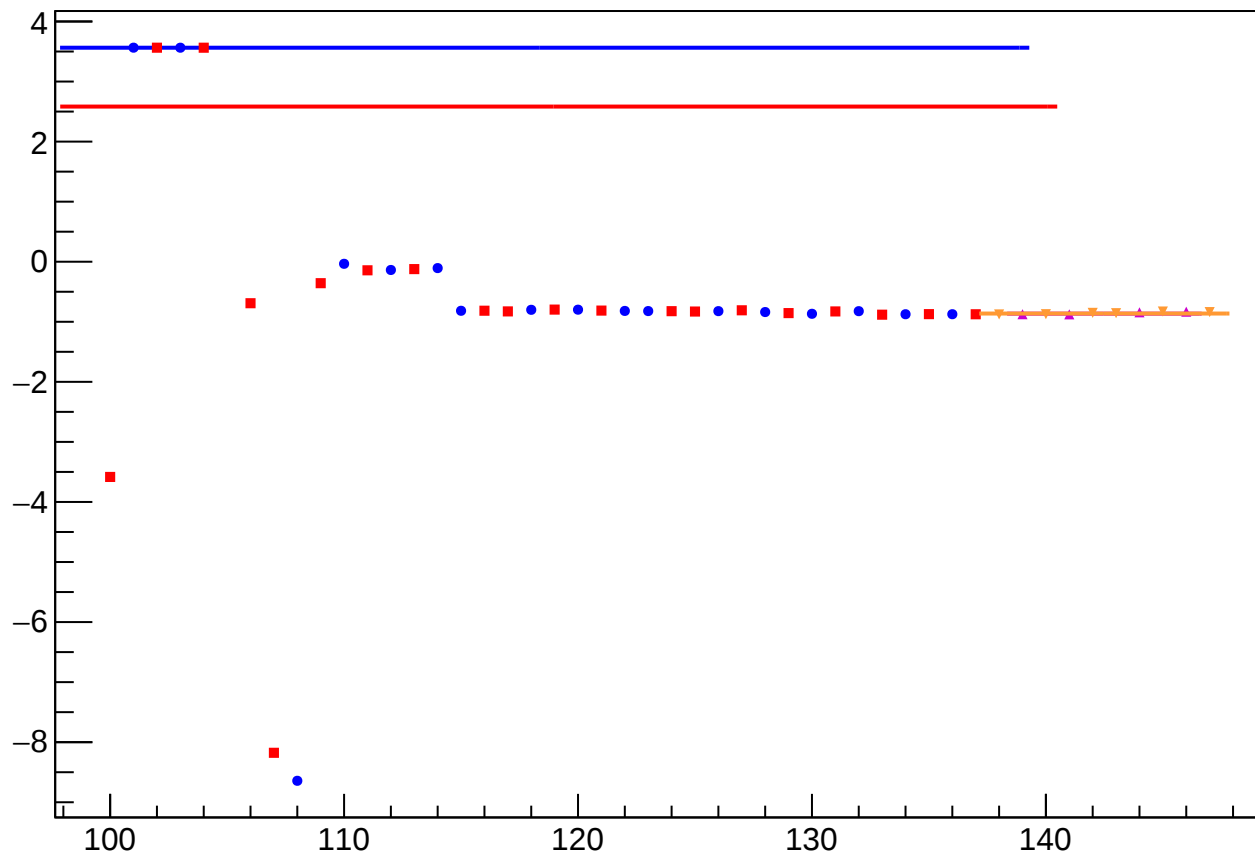
Left In: 0.031+/-0.000 χ^2/NDF : 488645.8/3

0.000+/-0.000 χ^2/NDF : 15084103.6/22

0.000+/-0.000 χ^2/NDF : 29501112.8/46

0.000+/-0.000 χ^2/NDF : 14416598.7/23

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.863+/-0.000 χ^2/NDF : 12484824.8/5

Right Out: 2.583+/-0.000 χ^2/NDF : 1253506756008351.0/19

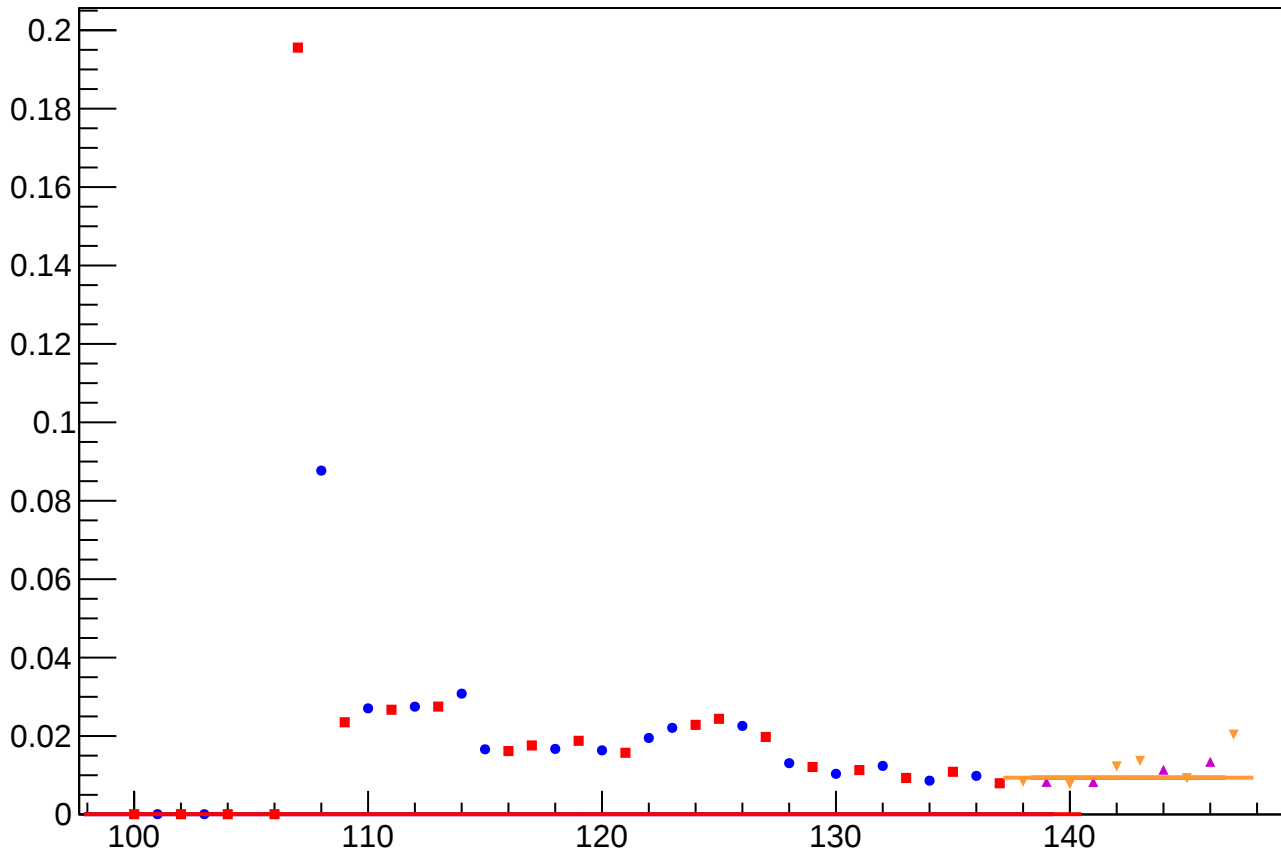
Left In: -0.865+/-0.000 χ^2/NDF : 8372216.6/3

3.563+/-0.000 χ^2/NDF : 1181241267702.8/22

3.040+/-0.000 χ^2/NDF : 13832521613746

2.583+/-0.000 χ^2/NDF : 1253855400951458.2/2

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2 /NDF: 9848258.0/16

Left Out: 0.009+/-0.000 $\chi^2/\text{NDF}: 598860.1/5$

Right Out: 0.000+/-0.000 χ^2/NDF : 9955781.5/19

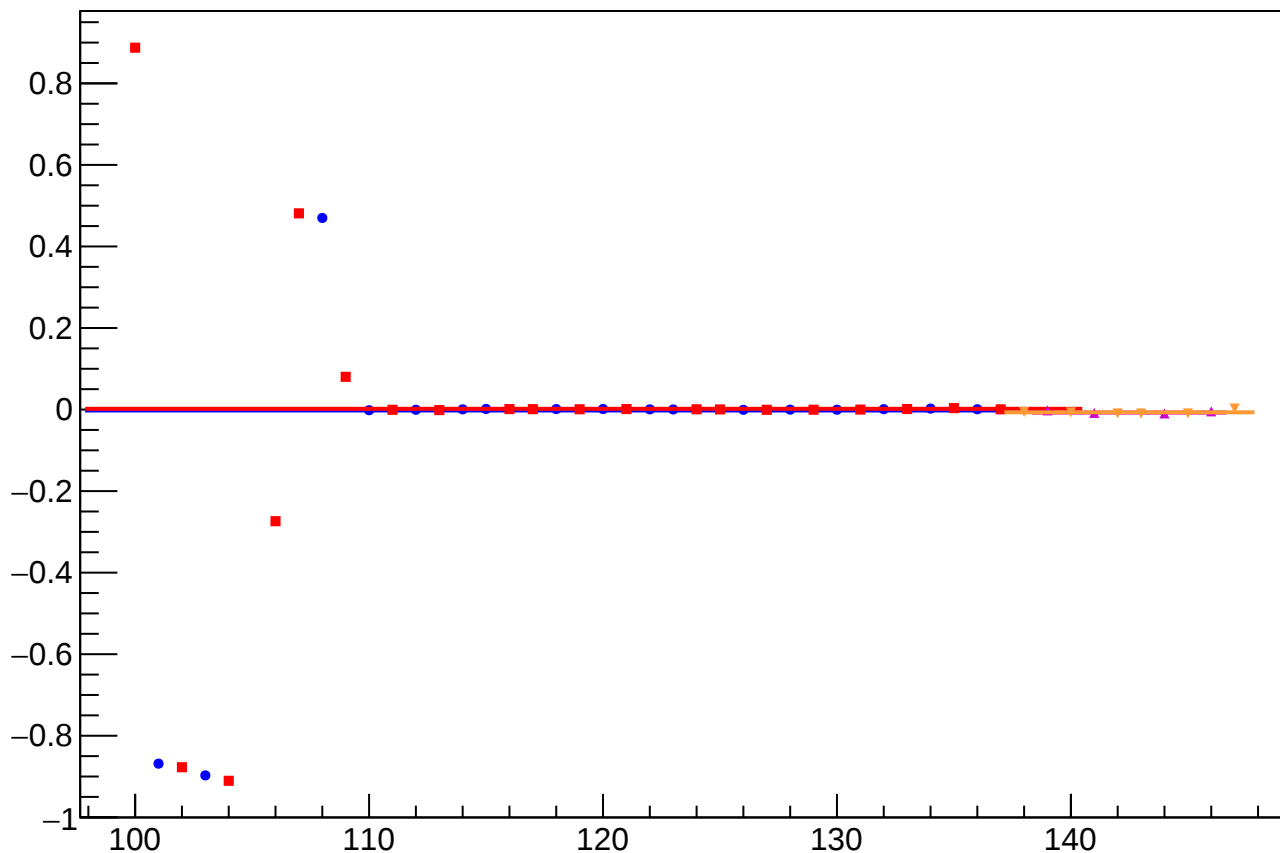
Left In: 0.009+/-0.000 χ^2/NDF :201844.5/3

0.000+/-0.000 χ^2/NDF : 16587233.2/22

0.000+/-0.000 χ^2/NDF : 31832976.8/46

0.000+/-0.000 χ^2/NDF : 15245232.1/23

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF : 9795424036.3/16

Left Out: -0.007+/-0.000 χ^2/NDF : 26969593.9/5

Right Out: 0.002+/-0.000 χ^2/NDF : 3041335141.0/19

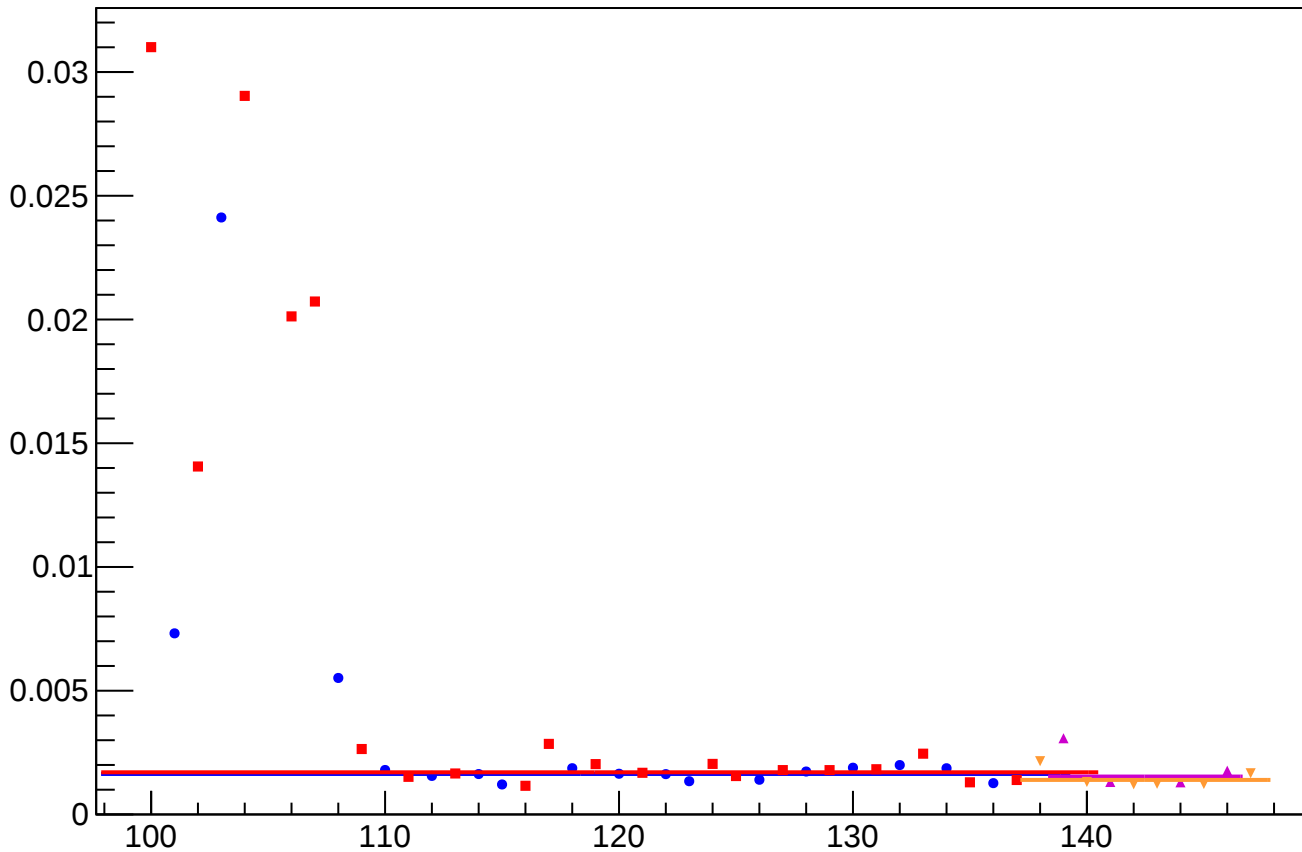
Left In: -0.007+/-0.000 χ^2/NDF : 5805836.4/3

-0.004+/-0.000 χ^2/NDF : 9838578158.4/22

-0.003+/-0.000 χ^2/NDF : 12947061500.4/4

-0.002+/-0.000 χ^2/NDF : 3098572967.9/23

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 1919127.9/16

Left Out: 0.001+/-0.000 χ^2/NDF : 229872.9/5

Right Out: 0.002+/-0.000 χ^2/NDF : 3038397.4/19

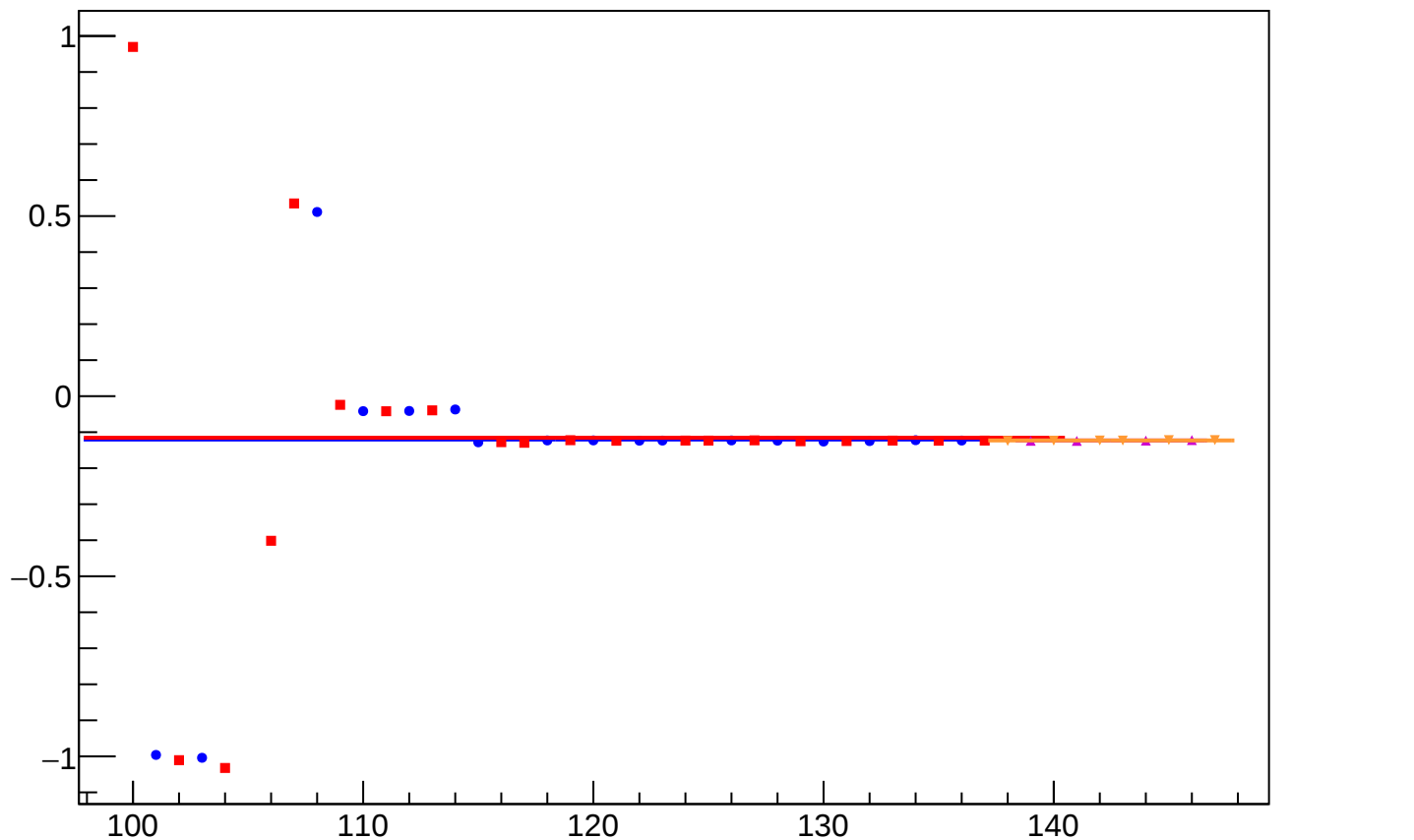
Left In: 0.002+/-0.000 χ^2/NDF : 436721.7/3

0.002+/-0.000 χ^2/NDF : 2240704.6/22

0.002+/-0.000 χ^2/NDF : 5787247.3/46

0.002+/-0.000 χ^2/NDF : 3510636.0/23

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.123+/-0.000 χ^2/NDF :1935638.2/5

Right Out: -0.115+/-0.000 χ^2/NDF : 2458720596.9/19

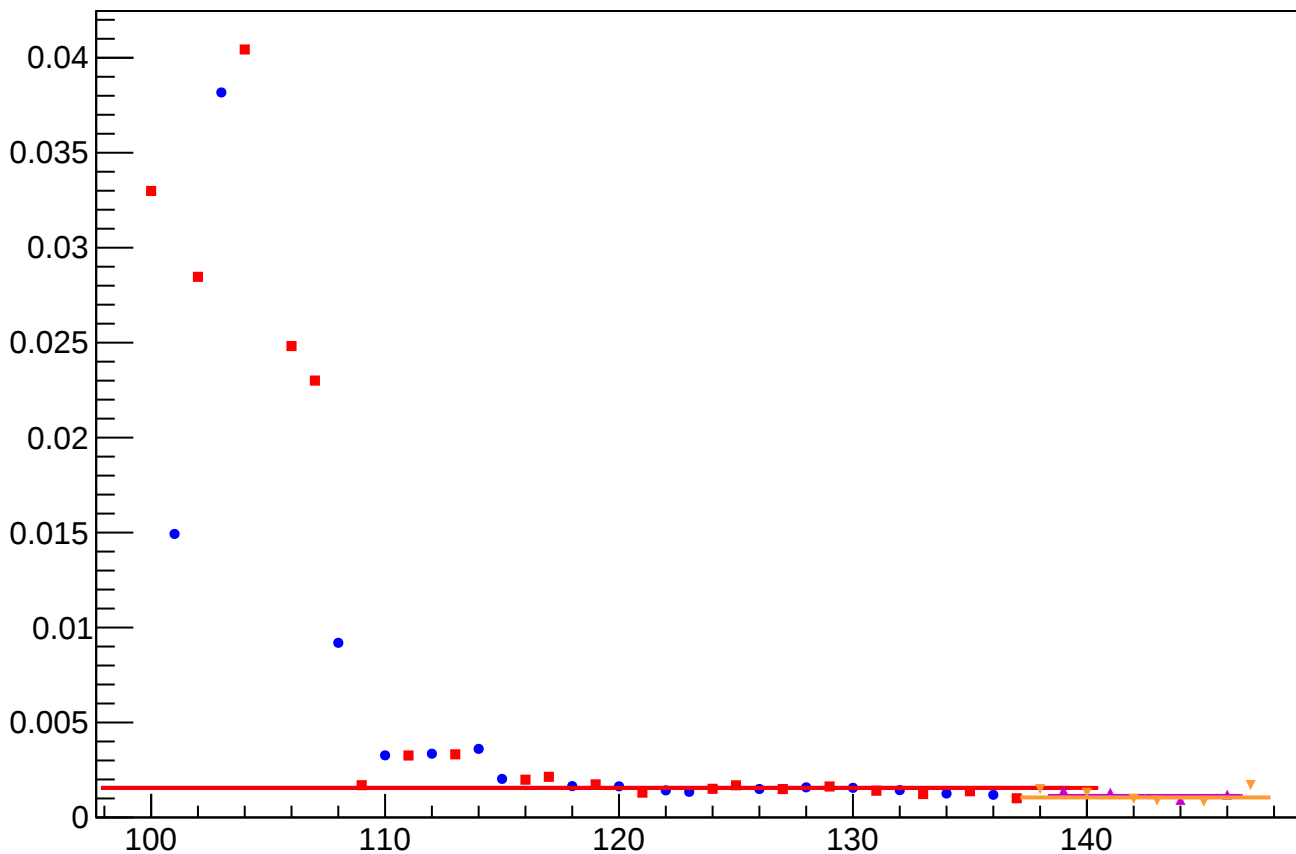
Left In: -0.123+/-0.000 χ^2/NDF :1349572.5/3

-0.122+/-0.000 χ^2/NDF : 3941946623.7/22

-0.121+/-0.000 χ^2/NDF : 6474313819.4/40

-0.120+/-0.000 χ^2/NDF : 2519845541.9/23

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2903607.4/16

Left Out: 0.001+/-0.000 χ^2/NDF : 539019.0/5

Right Out: 0.002+/-0.000 χ^2/NDF : 3544377.2/19

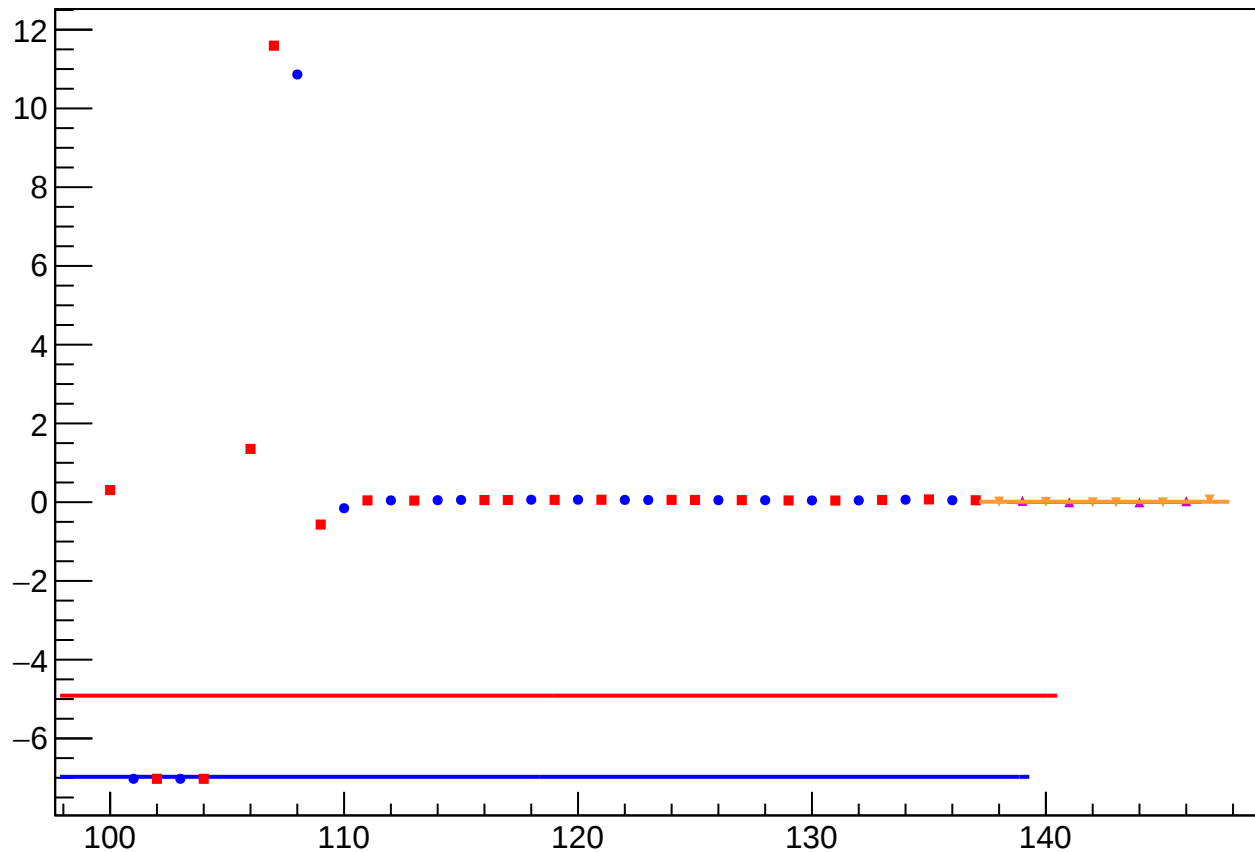
Left In: 0.001+/-0.000 χ^2/NDF : 158584.6/3

0.001+/-0.000 χ^2/NDF : 4047374.4/22

0.001+/-0.000 χ^2/NDF : 8147909.1/46

0.001+/-0.000 χ^2/NDF : 4066931.7/23

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975 $\pm$ 0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 26254876.1/5

Right Out: -4.914 $\pm$ 0.000 χ^2/NDF : 365366243956054.8/19

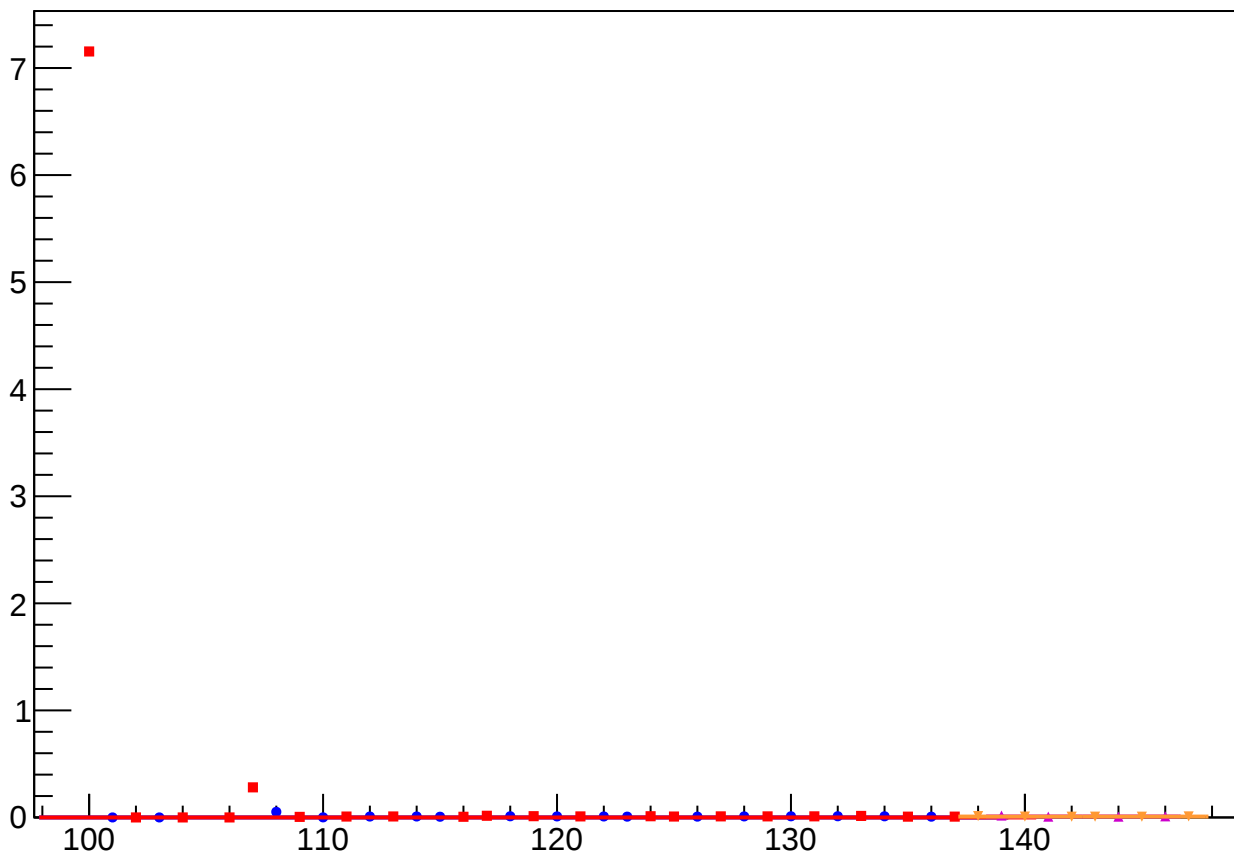
Left In: 0.005 $\pm$ 0.000 χ^2/NDF : 5347149.4/3

-6.963 $\pm$ 0.000 χ^2/NDF : 10875716256500.7/22

-5.892 $\pm$ 0.000 χ^2/NDF : 4328519798723

-4.909 $\pm$ 0.000 χ^2/NDF : 366067966914808.8/2

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8362763.6/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:233270.9/5

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8880914.4/19

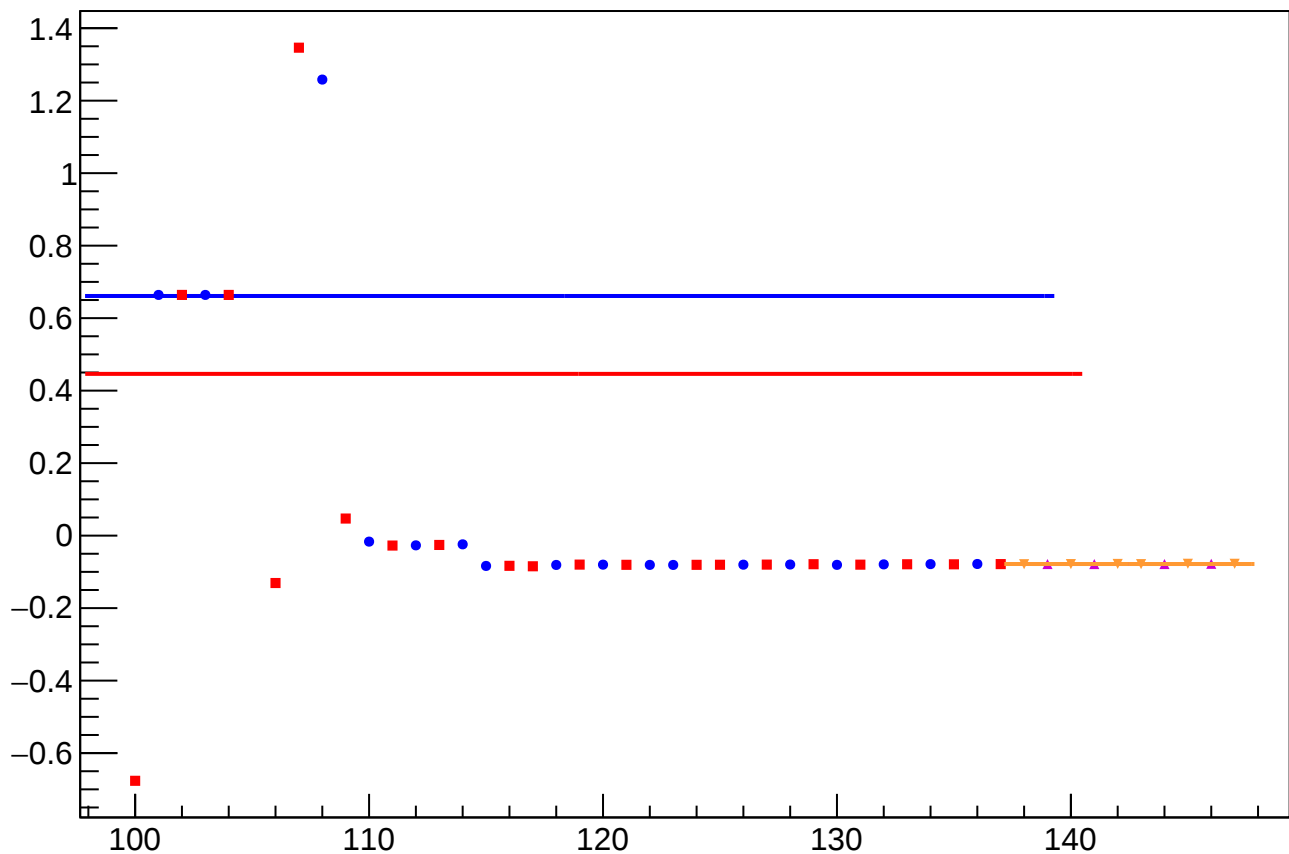
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:435140.2/3

0.000 $\pm$ 0.000 χ^2 /NDF: 14159145.0/22

0.000 $\pm$ 0.000 χ^2 /NDF: 27914986.9/46

0.000 $\pm$ 0.000 χ^2 /NDF: 13754199.6/23

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 : 2544400.0/5

Right Out: 0.446+/-0.000 χ^2/NDF : 405434749783850.4/19

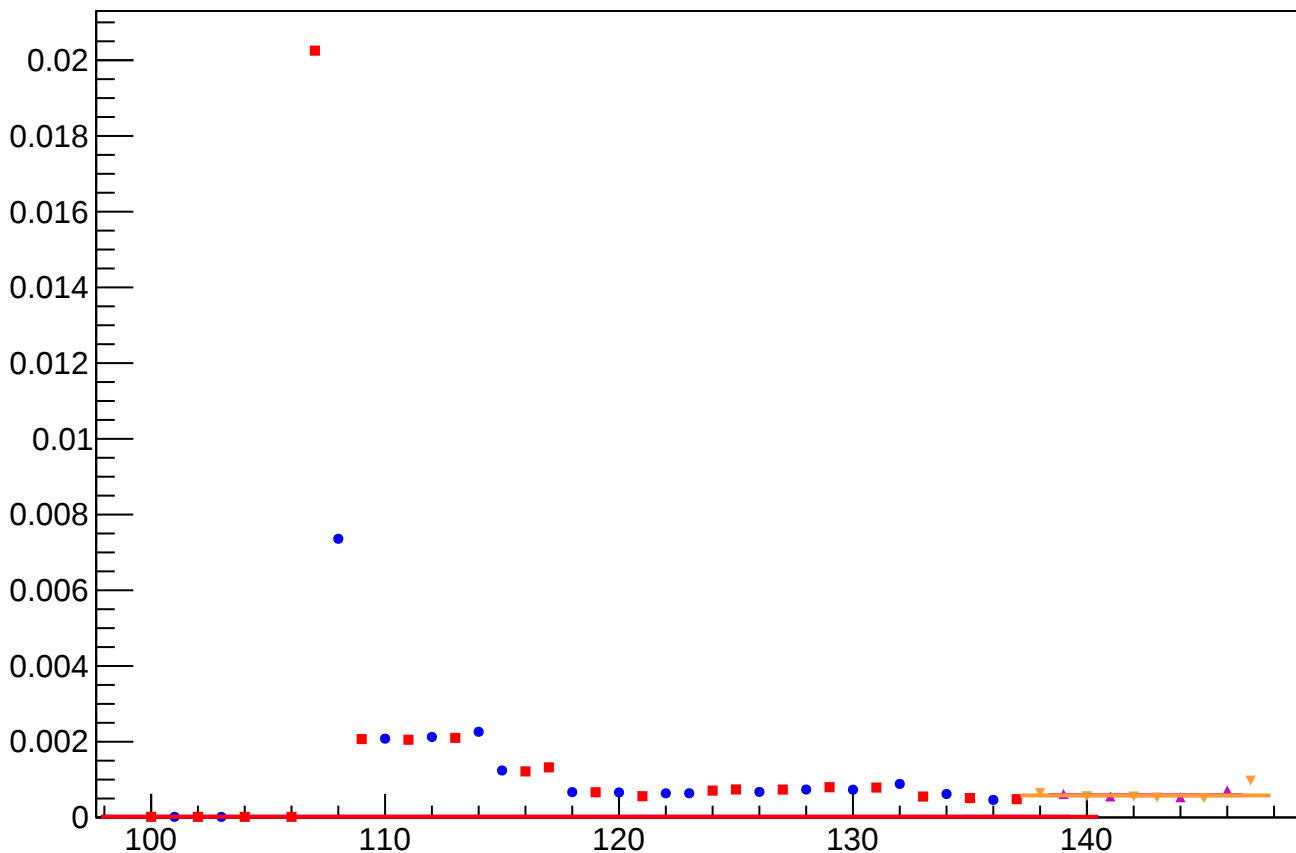
Left In: -0.078+/-0.000 χ^2/NDF : 582352.3/3

0.658+/-0.000 χ^2/NDF : 11689306183950.1/22

0.547+/-0.000 χ^2/NDF : 48174192246585

0.445+/-0.000 χ^2/NDF : 407808988523730.2/23

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 :302327.3/5

Right Out: 0.000+/-0.000 χ^2/NDF : 9575039.3/19

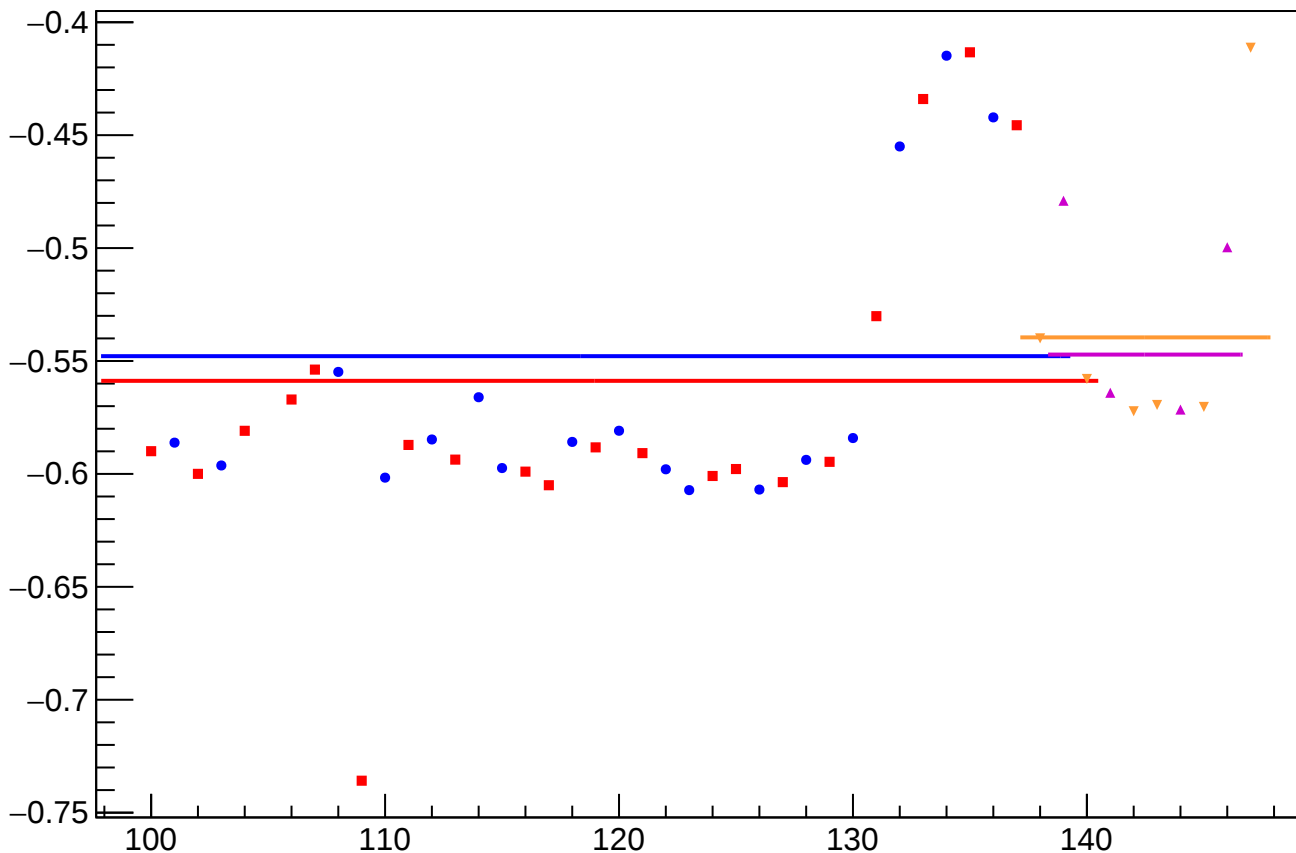
Left In: 0.001+/-0.000 χ^2/NDF :73994.7/3

0.000+/-0.000 χ^2/NDF : 17272457.9/22

0.000+/-0.000 χ^2/NDF : 32530423.1/46

0.000+/-0.000 χ^2/NDF : 15256541.8/23

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548 $\pm$ 0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.540 $\pm$ 0.000 χ^2/NDF : 28097146.2/5

Right Out: -0.559 $\pm$ 0.000 χ^2/NDF : 65741796.4/19

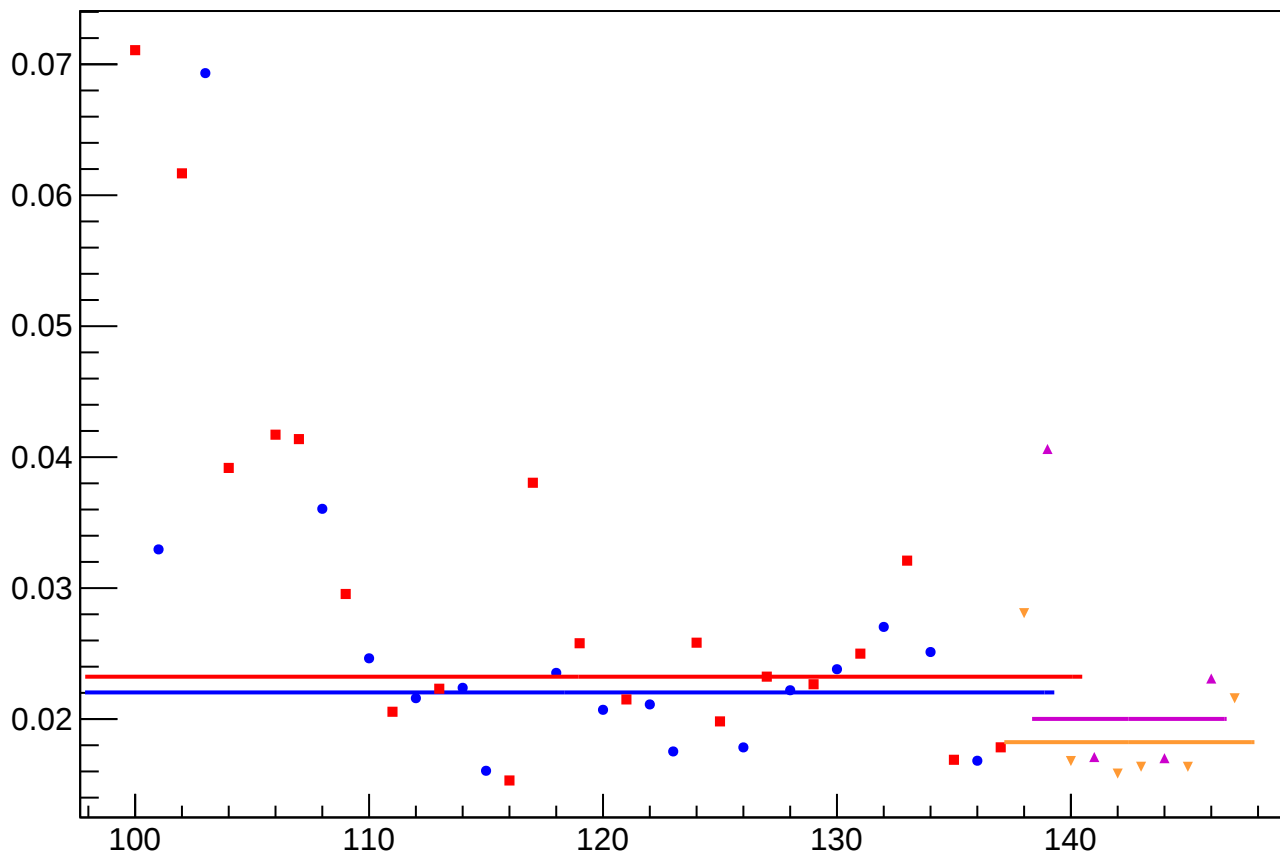
Left In: -0.547 $\pm$ 0.000 χ^2/NDF : 6489888.8/3

-0.544 $\pm$ 0.000 χ^2/NDF : 77005639.3/22

-0.549 $\pm$ 0.000 χ^2/NDF : 150667866.0/46

-0.555 $\pm$ 0.000 χ^2/NDF : 72724230.8/23

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 958966.6/16

Left Out: 0.018+/-0.000 χ^2/NDF : 222363.7/5

Right Out: 0.023+/-0.000 χ^2/NDF : 1169205.3/19

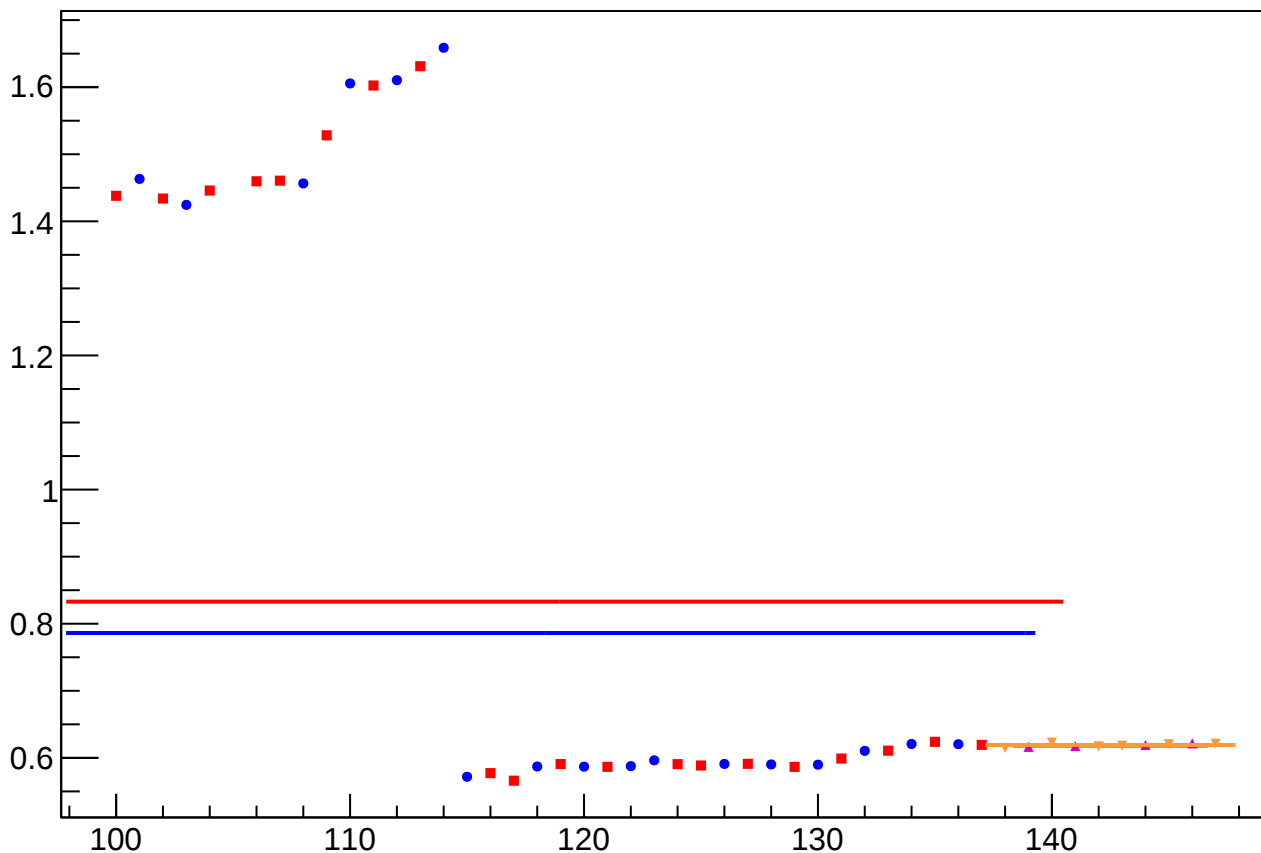
Left In: 0.020+/-0.000 χ^2/NDF : 443533.6/3

0.020+/-0.000 χ^2/NDF : 1318405.7/22

0.021+/-0.000 χ^2/NDF : 3058927.4/46

0.022+/-0.000 χ^2/NDF : 1688468.0/23

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.786 $\pm$ 0.000 χ^2/NDF : 3590113316.1/16

Left Out: 0.619 $\pm$ 0.000 χ^2/NDF :197176.9/5

Right Out: 0.833 $\pm$ 0.000 χ^2/NDF : 4160348649.7/19

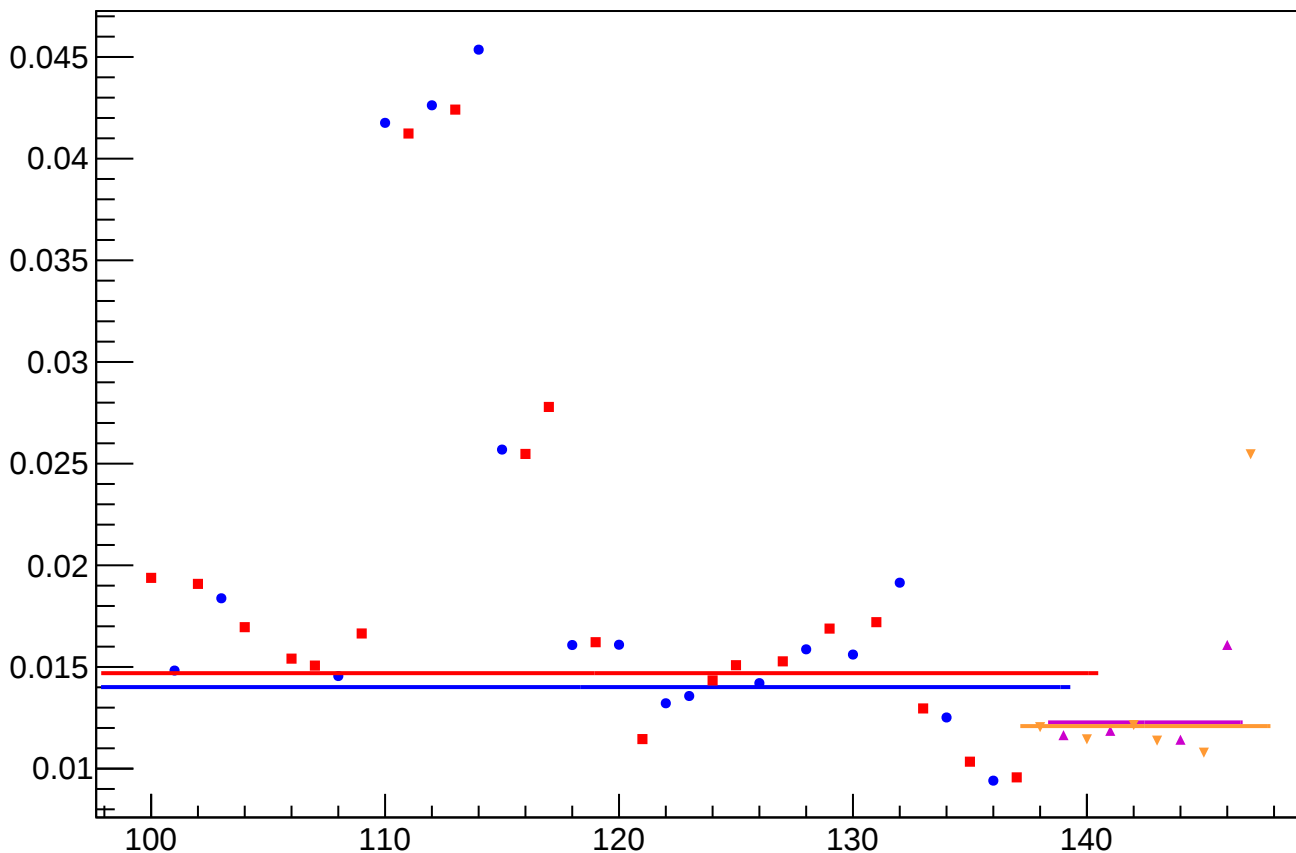
Left In: 0.618 $\pm$ 0.000 χ^2/NDF :54527.1/3

0.708 $\pm$ 0.000 χ^2/NDF : 3967040358.9/22

0.725 $\pm$ 0.000 χ^2/NDF : 8694878664.3/46

0.744 $\pm$ 0.000 χ^2/NDF : 4695600988.3/23

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1404865.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 440739.9/5

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1280473.4/19

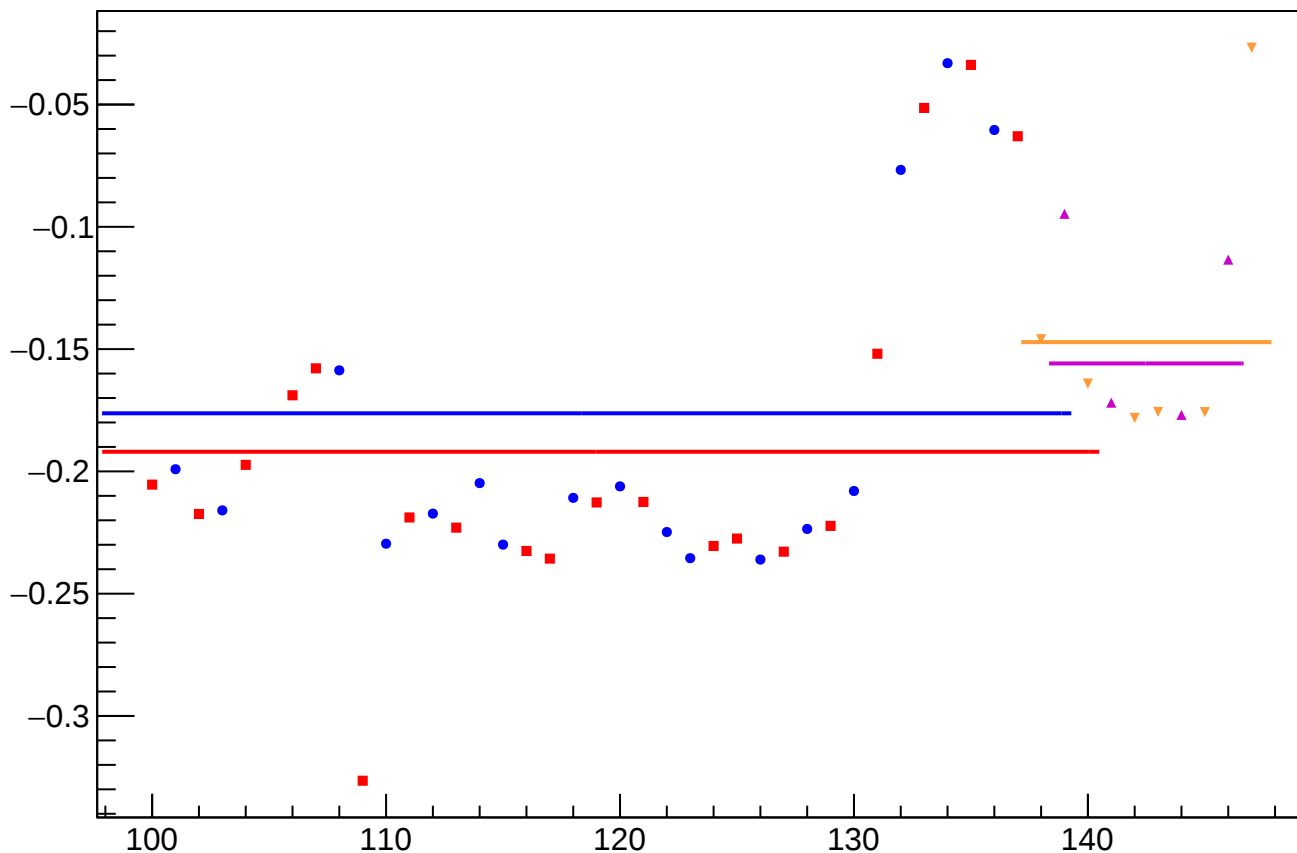
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 98101.5/3

0.013 $\pm$ 0.000 χ^2 /NDF: 1945041.3/22

0.013 $\pm$ 0.000 χ^2 /NDF: 3476740.1/46

0.014 $\pm$ 0.000 χ^2 /NDF: 1514888.1/23

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.147+/-0.000 χ^2/NDF : 27462016.0/5

Right Out: -0.192+/-0.000 χ^2/NDF : 83899255.4/19

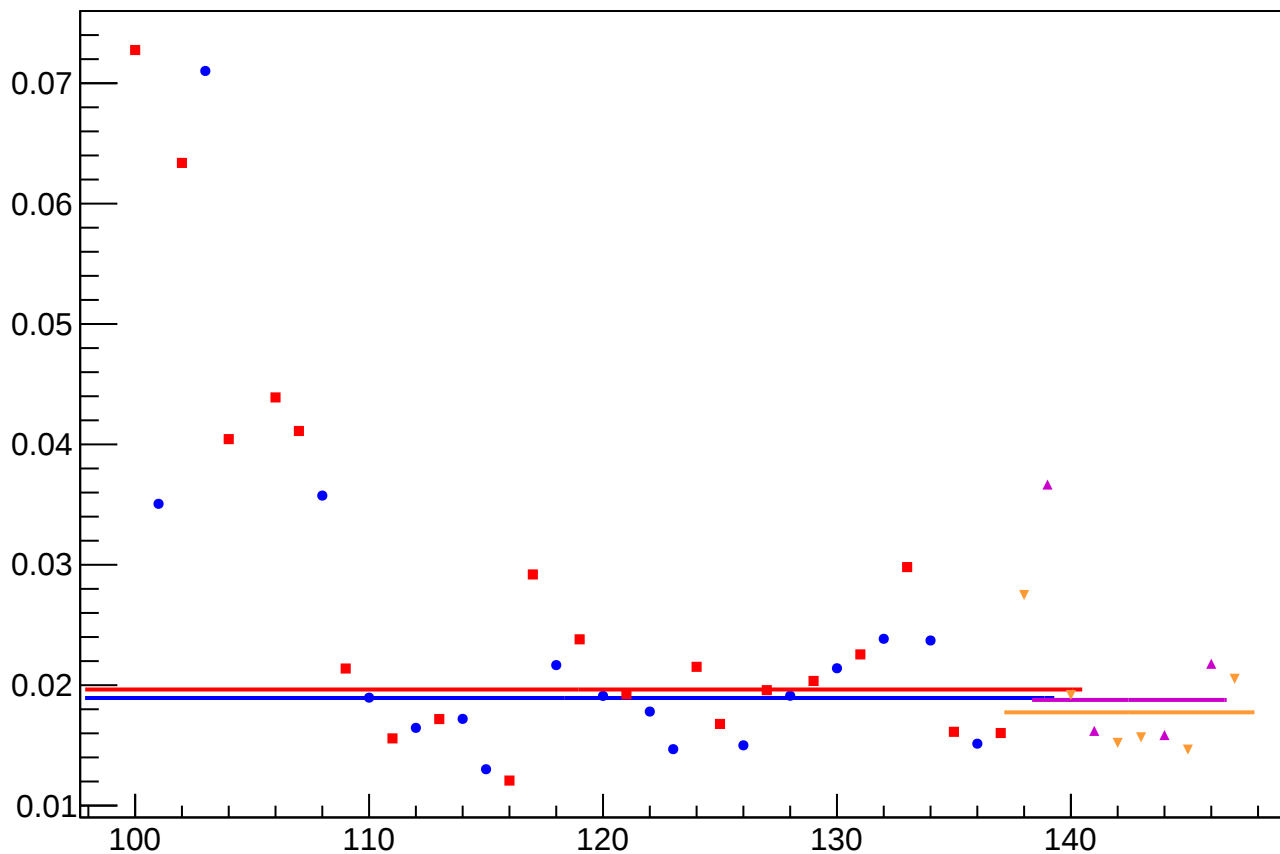
Left In: -0.156+/-0.000 χ^2/NDF : 6031243.8/3

-0.165+/-0.000 χ^2/NDF : 102365911.5/22

-0.172+/-0.000 χ^2/NDF : 200731850.8/46

-0.180+/-0.000 χ^2/NDF : 95732562.0/23

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019 ± 0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.018 ± 0.000 χ^2/NDF : 264231.9/5

Right Out: 0.020 ± 0.000 χ^2/NDF : 1466285.9/19

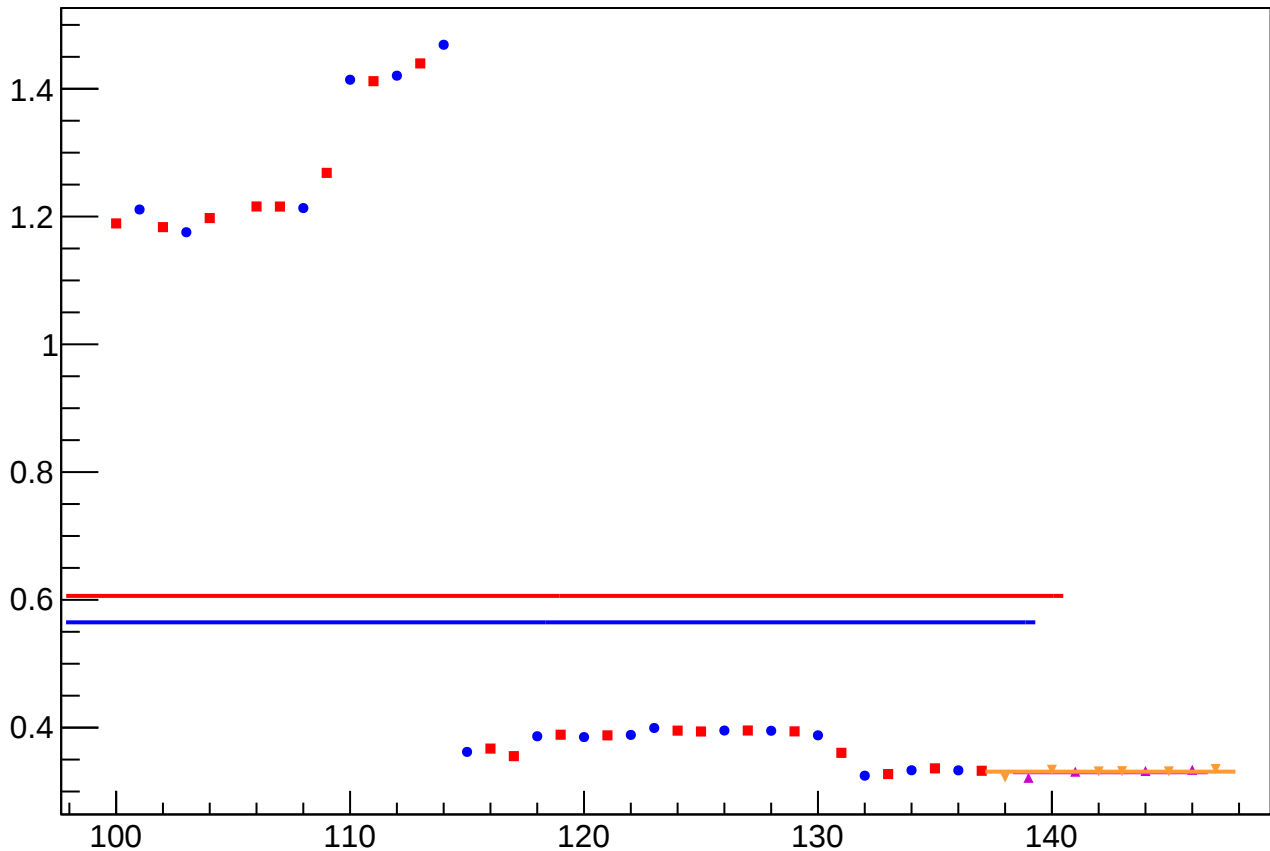
Left In: 0.019 ± 0.000 χ^2/NDF : 418490.2/3

0.018 ± 0.000 χ^2/NDF : 1486050.7/22

0.019 ± 0.000 χ^2/NDF : 3395157.3/46

0.019 ± 0.000 χ^2/NDF : 1891473.1/23

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.565 $\pm$ 0.000 χ^2 /NDF: 5030969499.3/16

Left Out: 0.331 $\pm$ 0.000 χ^2 /NDF:404580.0/5

0.466 $\pm$ 0.000 χ^2 /NDF: 5919142469.3/22

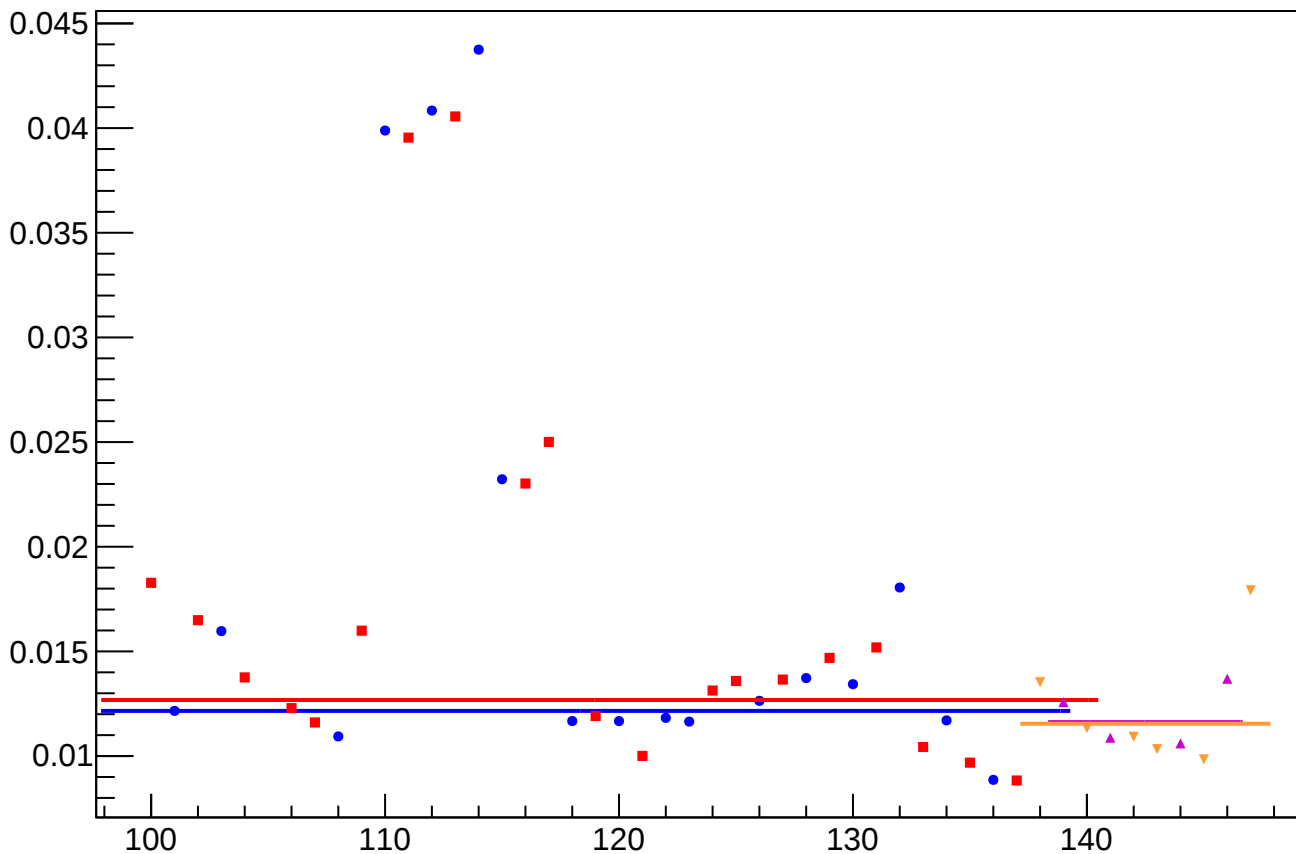
Right Out: 0.606 $\pm$ 0.000 χ^2 /NDF: 5517630064.2/19

0.483 $\pm$ 0.000 χ^2 /NDF: 12534204270.7/4

0.502 $\pm$ 0.000 χ^2 /NDF: 6572876319.3/23

Left In: 0.330 $\pm$ 0.000 χ^2 /NDF:409118.5/3

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 1309888.8/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 282348.2/5

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1289415.7/19

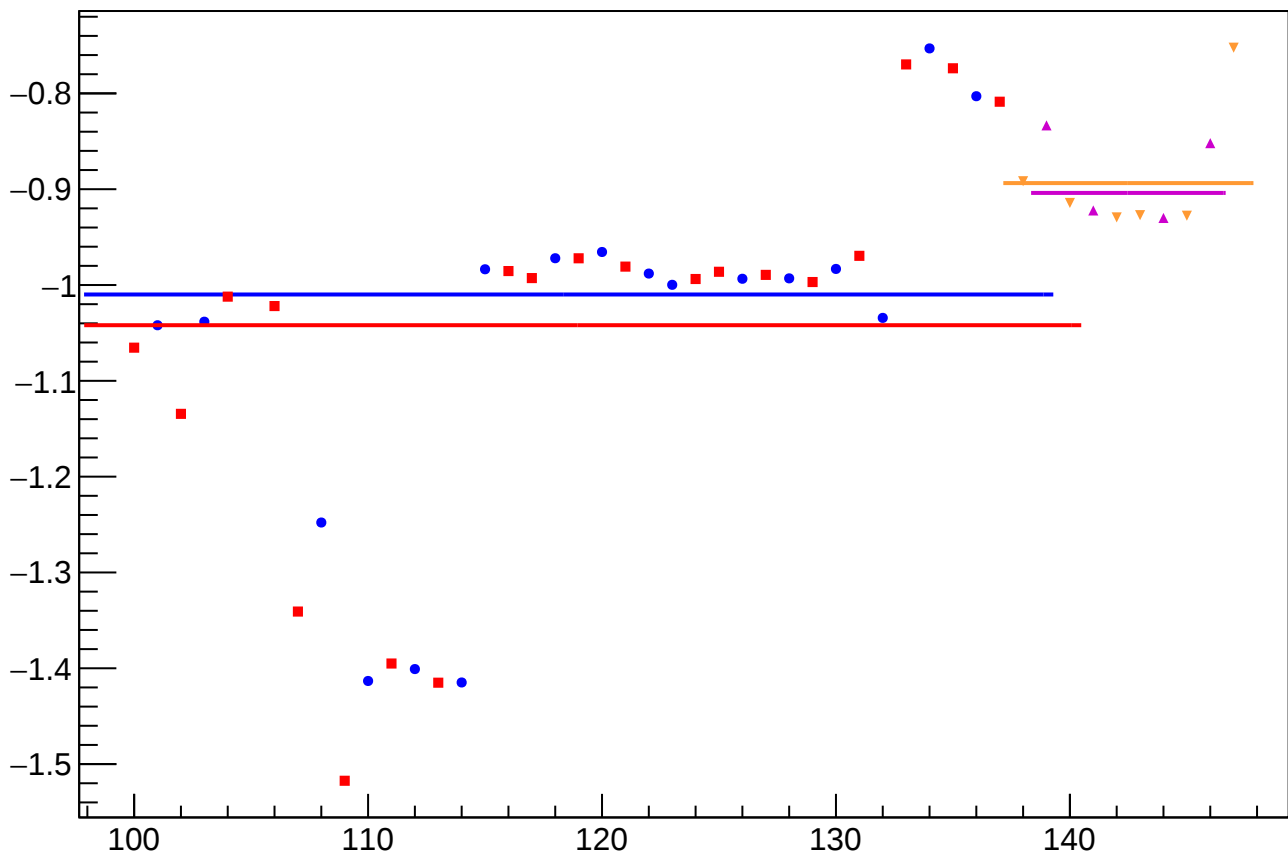
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 64617.0/3

0.012 $\pm$ 0.000 χ^2/NDF : 1604450.8/22

0.012 $\pm$ 0.000 χ^2/NDF : 2998600.8/46

0.012 $\pm$ 0.000 χ^2/NDF : 1384910.7/23

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.010+/-0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.894+/-0.000 χ^2/NDF : 35815562.2/5

Right Out: -1.042+/-0.000 χ^2/NDF : 530175104.2/19

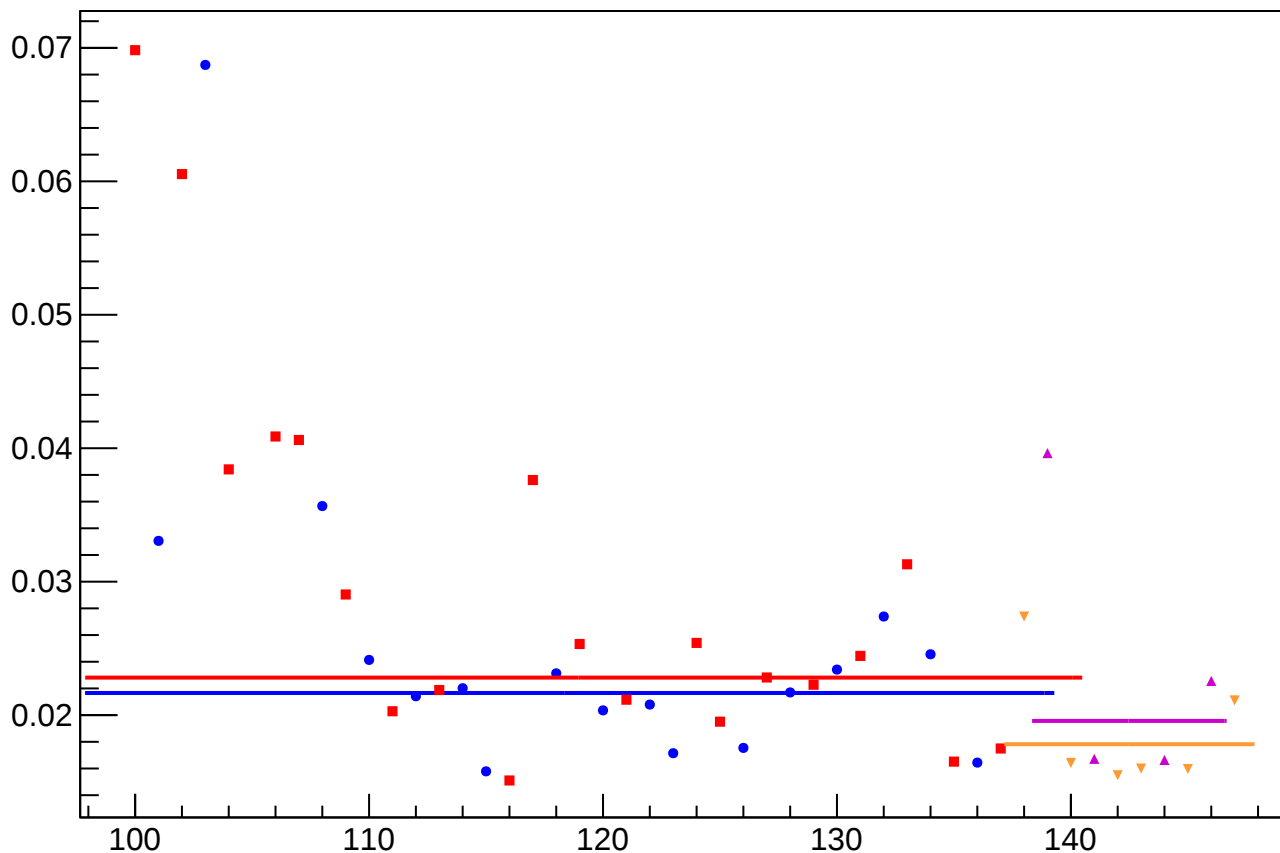
Left In: -0.904+/-0.000 χ^2/NDF : 7810856.4/3

-0.957+/-0.000 χ^2/NDF : 490392054.1/22

-0.972+/-0.000 χ^2/NDF : 1111232448.4/40

-0.991+/-0.000 χ^2/NDF : 610425600.5/23

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 983499.8/16

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 221333.0/5

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1165116.5/19

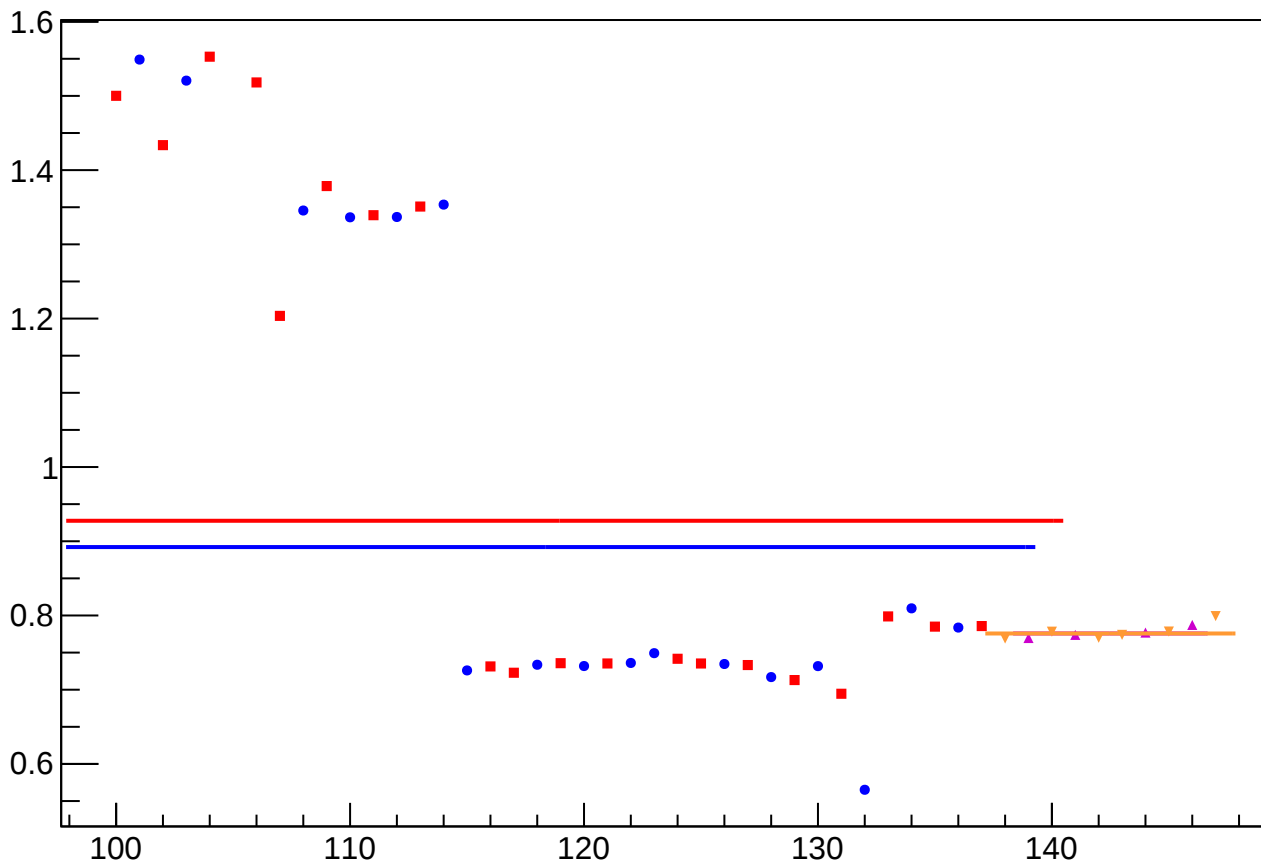
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 441602.7/3

0.020 $\pm$ 0.000 χ^2 /NDF: 1350772.3/22

0.021 $\pm$ 0.000 χ^2 /NDF: 3089716.8/46

0.022 $\pm$ 0.000 χ^2 /NDF: 1686789.4/23

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.892 $\pm$ 0.000 χ^2 /NDF: 2413732173.6/16

Left Out: 0.776 $\pm$ 0.000 χ^2 /NDF:1037165.6/5

Right Out: 0.928 $\pm$ 0.000 χ^2 /NDF: 2439574936.7/19

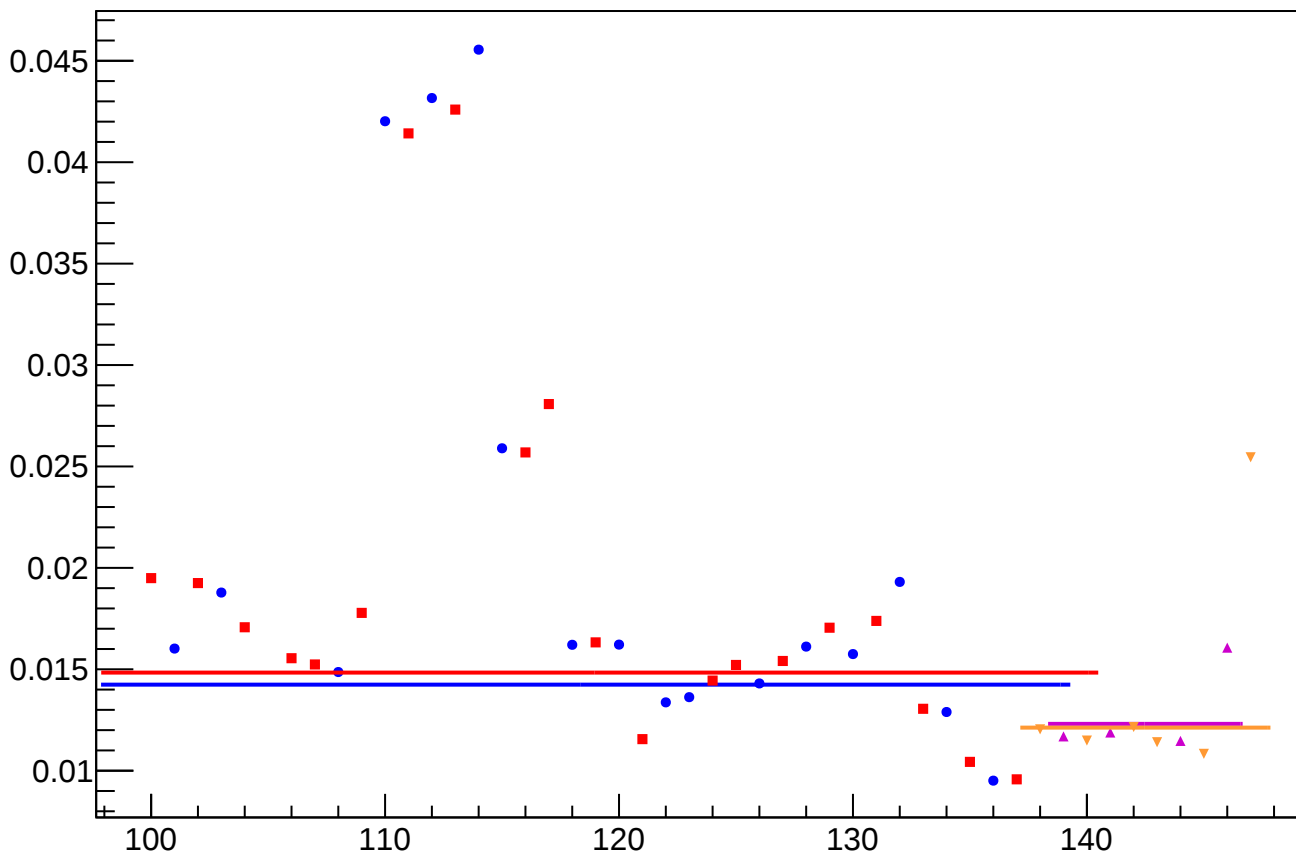
Left In: 0.776 $\pm$ 0.000 χ^2 /NDF:592584.1/3

0.837 $\pm$ 0.000 χ^2 /NDF: 2594159176.3/22

0.850 $\pm$ 0.000 χ^2 /NDF: 5317204820.2/46

0.864 $\pm$ 0.000 χ^2 /NDF: 2704833358.0/23

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1415681.3/16

Left Out: 0.012+/-0.000 χ^2/NDF : 437286.4/5

Right Out: 0.015+/-0.000 χ^2/NDF : 1291174.0/19

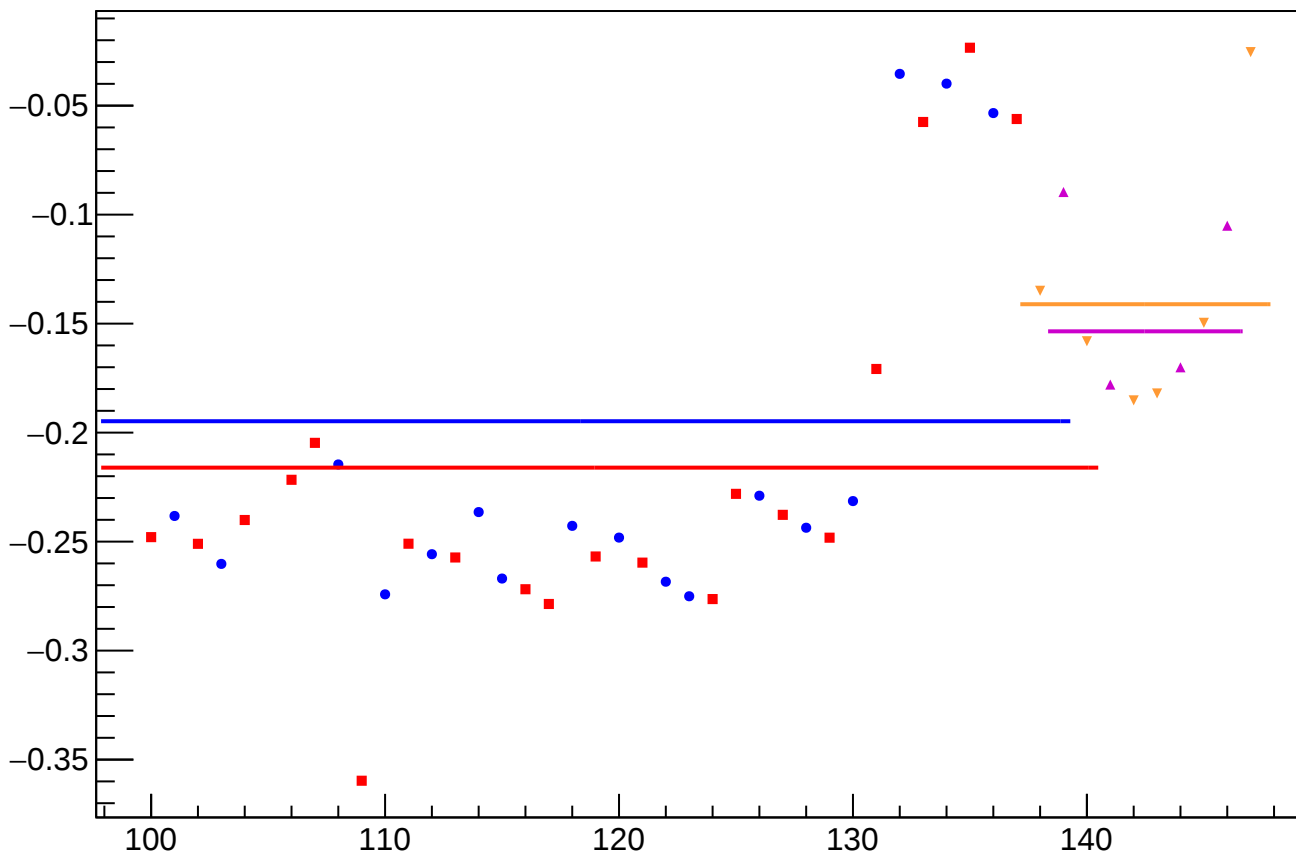
Left In: 0.012+/-0.000 χ^2/NDF : 95629.1/3

0.013+/-0.000 χ^2/NDF : 1971773.6/22

0.013+/-0.000 χ^2/NDF : 3519913.3/46

0.014+/-0.000 χ^2/NDF : 1533584.2/23

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.141+/-0.000 χ^2/NDF : 26338403.2/5

Right Out: -0.216+/-0.000 χ^2/NDF : 112167032.2/19

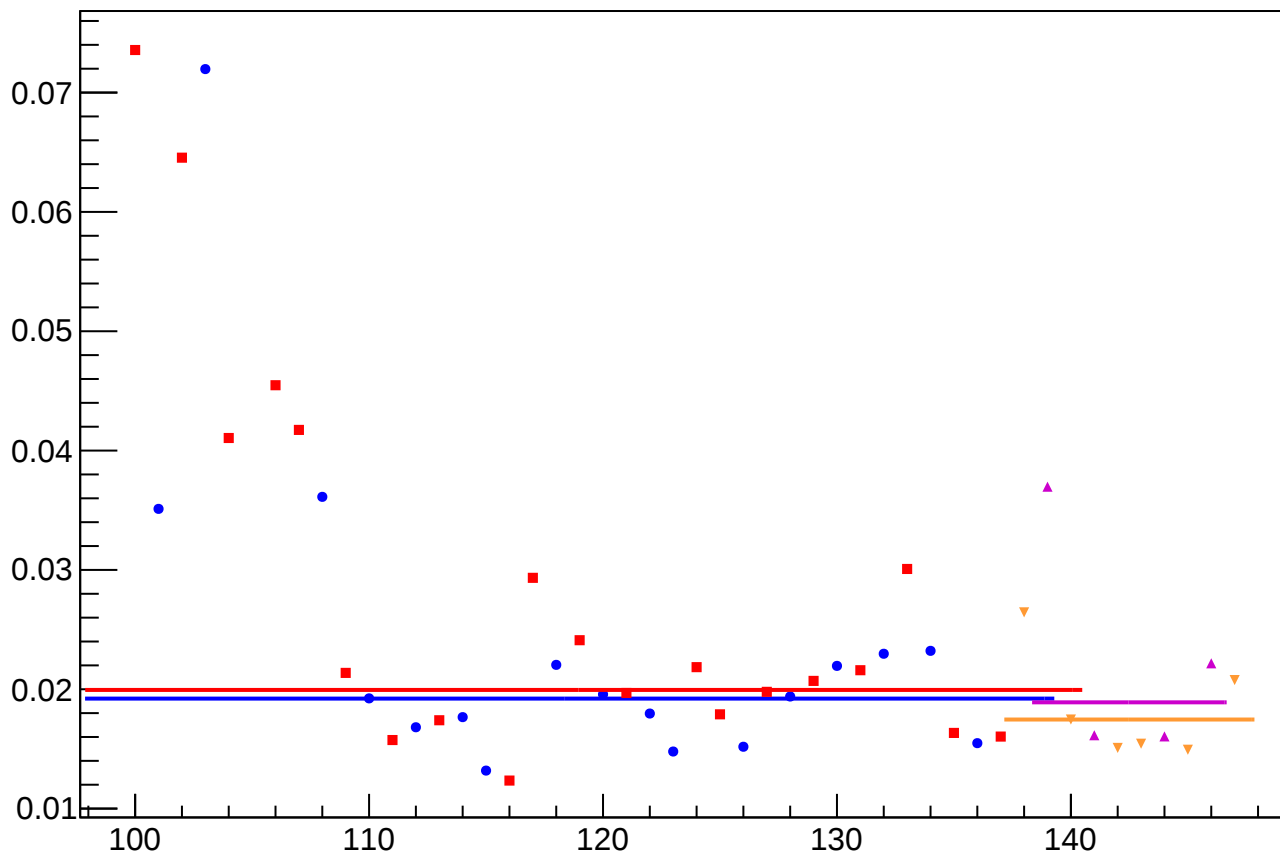
Left In: -0.154+/-0.000 χ^2/NDF : 7136541.9/3

-0.173+/-0.000 χ^2/NDF : 151197265.2/22

-0.183+/-0.000 χ^2/NDF : 293056248.5/46

-0.195+/-0.000 χ^2/NDF : 136355077.2/23

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1177085.4/16

Left Out: 0.017+/-0.000 χ^2/NDF : 231947.0/5

Right Out: 0.020+/-0.000 χ^2/NDF : 1455211.7/19

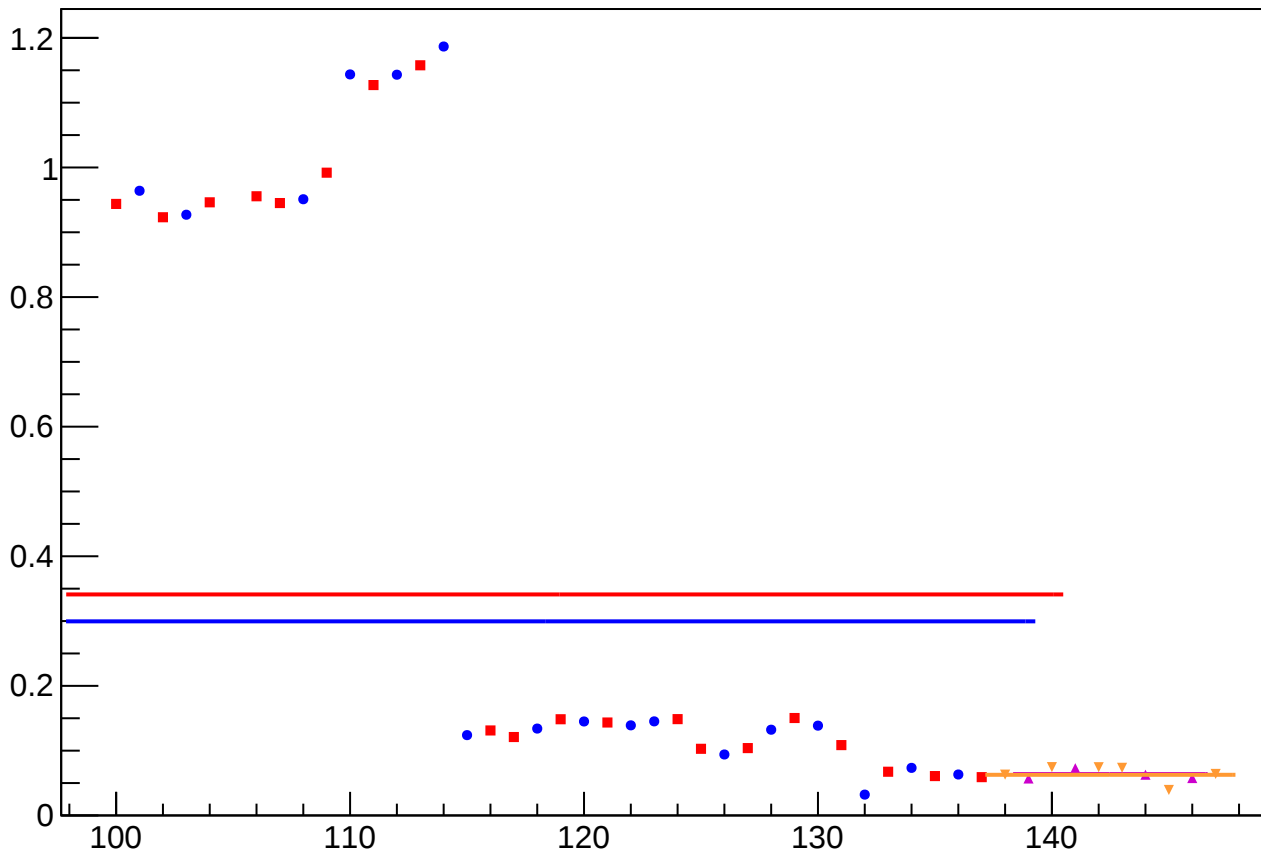
Left In: 0.019+/-0.000 χ^2/NDF : 424675.5/3

0.018+/-0.000 χ^2/NDF : 1443616.2/22

0.019+/-0.000 χ^2/NDF : 3359011.1/46

0.020+/-0.000 χ^2/NDF : 1889317.0/23

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.300 $\pm$ 0.000 χ^2 /NDF: 5165052137.6/16

Left Out: 0.063 $\pm$ 0.000 χ^2 /NDF:6229241.1/5

0.197 $\pm$ 0.000 χ^2 /NDF: 6118352797.6/22

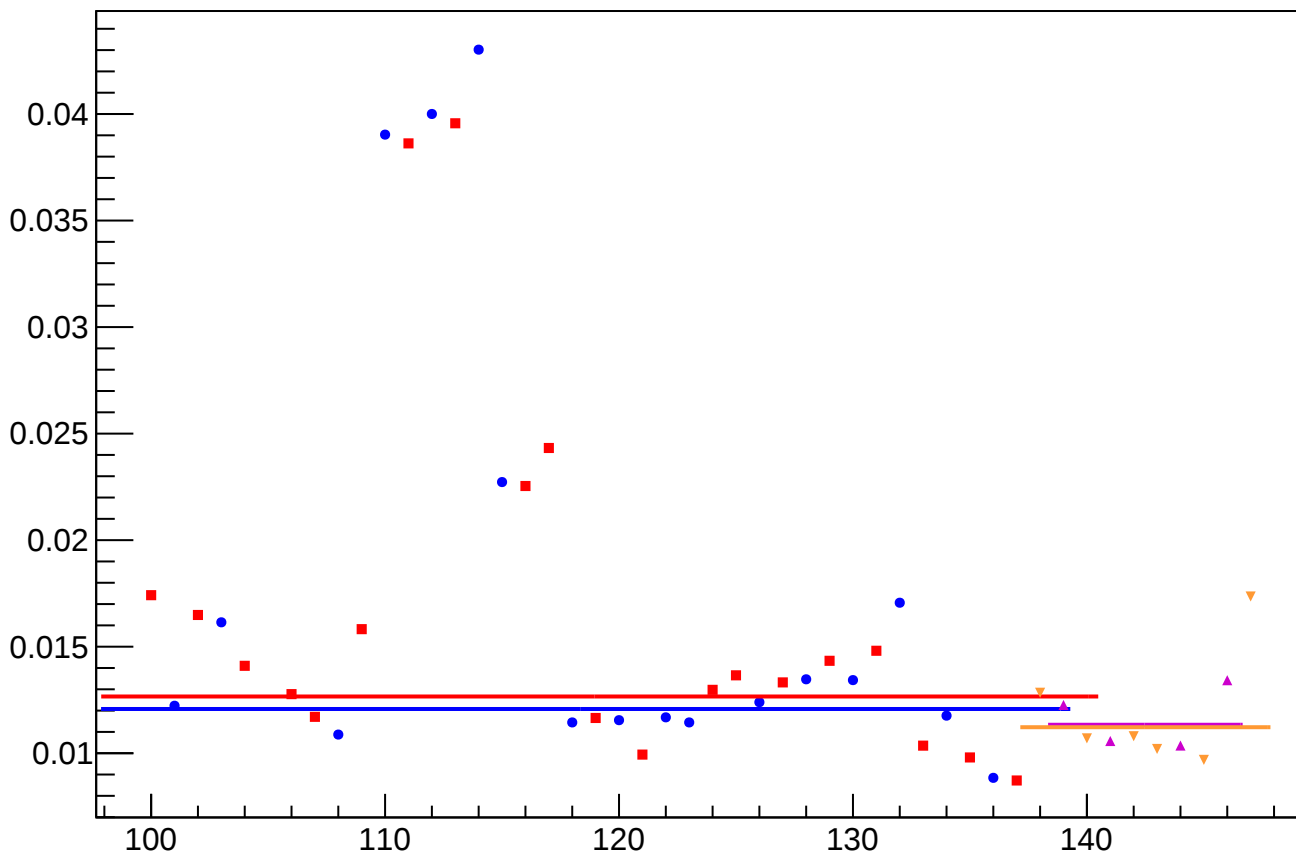
Right Out: 0.341 $\pm$ 0.000 χ^2 /NDF: 5453748737.7/19

0.214 $\pm$ 0.000 χ^2 /NDF: 12714902997.9/4

Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:956259.8/3

0.234 $\pm$ 0.000 χ^2 /NDF: 6552161955.4/23

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 1282097.7/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 262103.4/5

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1255391.1/19

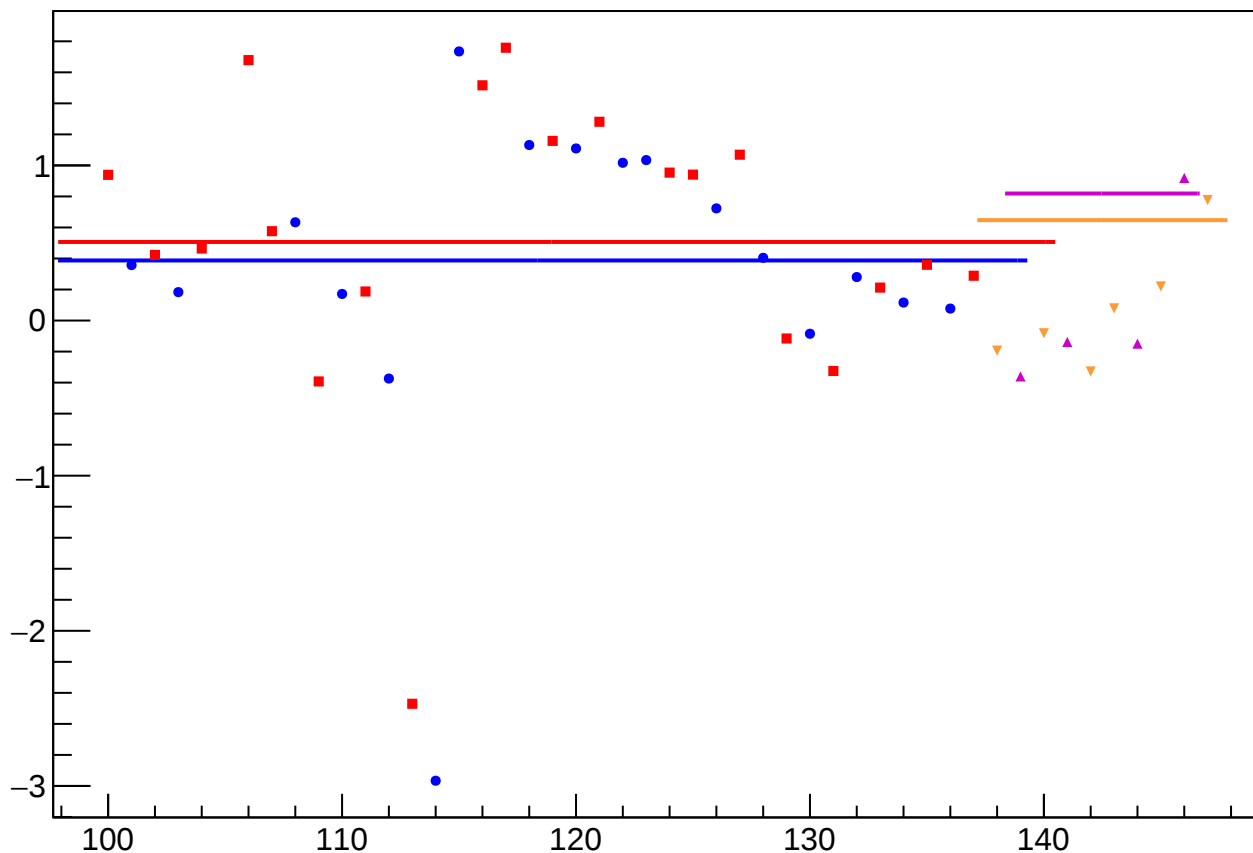
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 66955.7/3

0.012 $\pm$ 0.000 χ^2/NDF : 1568922.3/22

0.012 $\pm$ 0.000 χ^2/NDF : 2954278.2/46

0.012 $\pm$ 0.000 χ^2/NDF : 1372644.3/23

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.387 $\pm$ 0.000 χ^2/NDF : 247912593.5/16

Left Out: 0.647 $\pm$ 0.000 χ^2/NDF : 261996528.4/5

Right Out: 0.507 $\pm$ 0.000 χ^2/NDF : 995347030.4/19

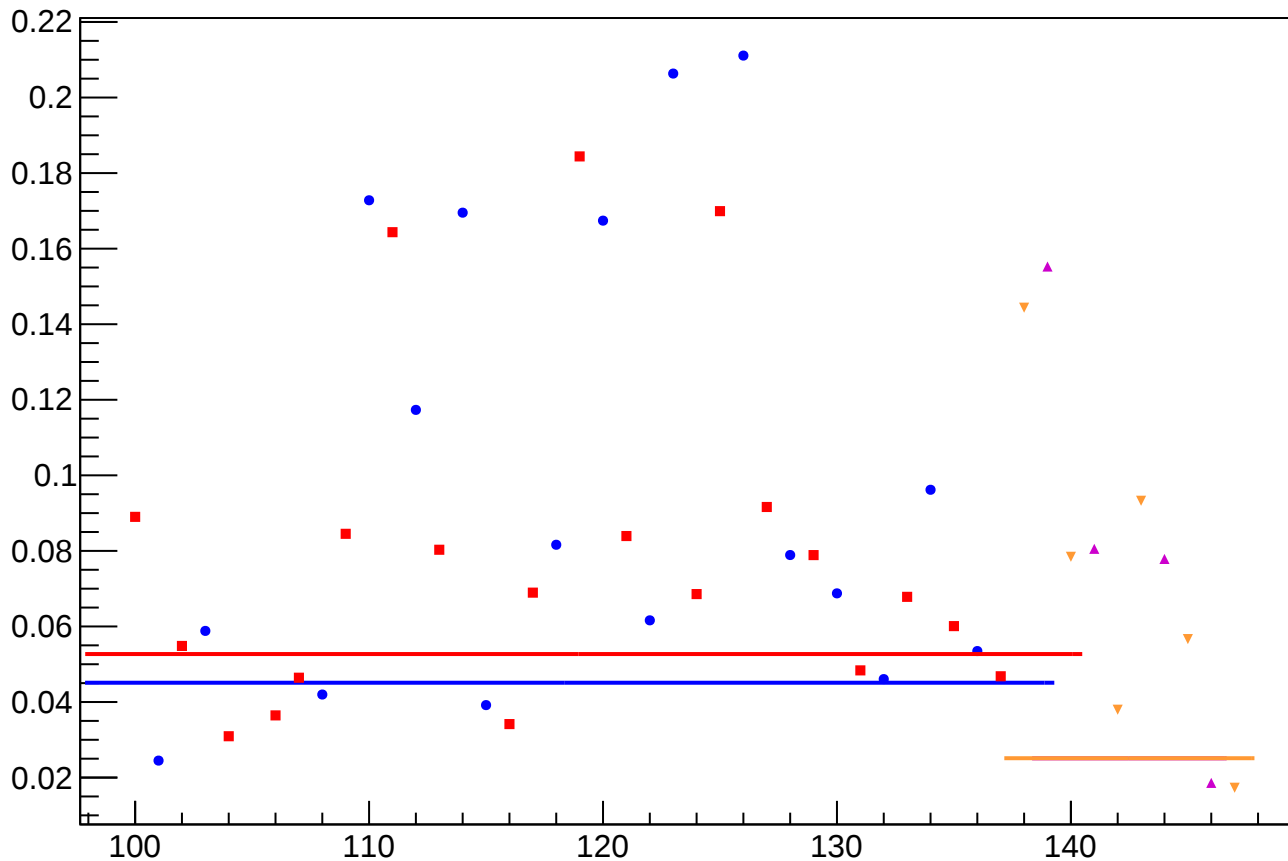
Left In: 0.819 $\pm$ 0.000 χ^2/NDF : 202136540.6/3

0.546 $\pm$ 0.000 χ^2/NDF : 582087732.1/22

0.608 $\pm$ 0.000 χ^2/NDF : 1902279813.4/46

0.686 $\pm$ 0.000 χ^2/NDF : 1281513883.8/23

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF : 2846218.9/16

Left Out: 0.025+/-0.000 χ^2/NDF : 2425607.4/5

Right Out: 0.053+/-0.000 χ^2/NDF : 2194555.4/19

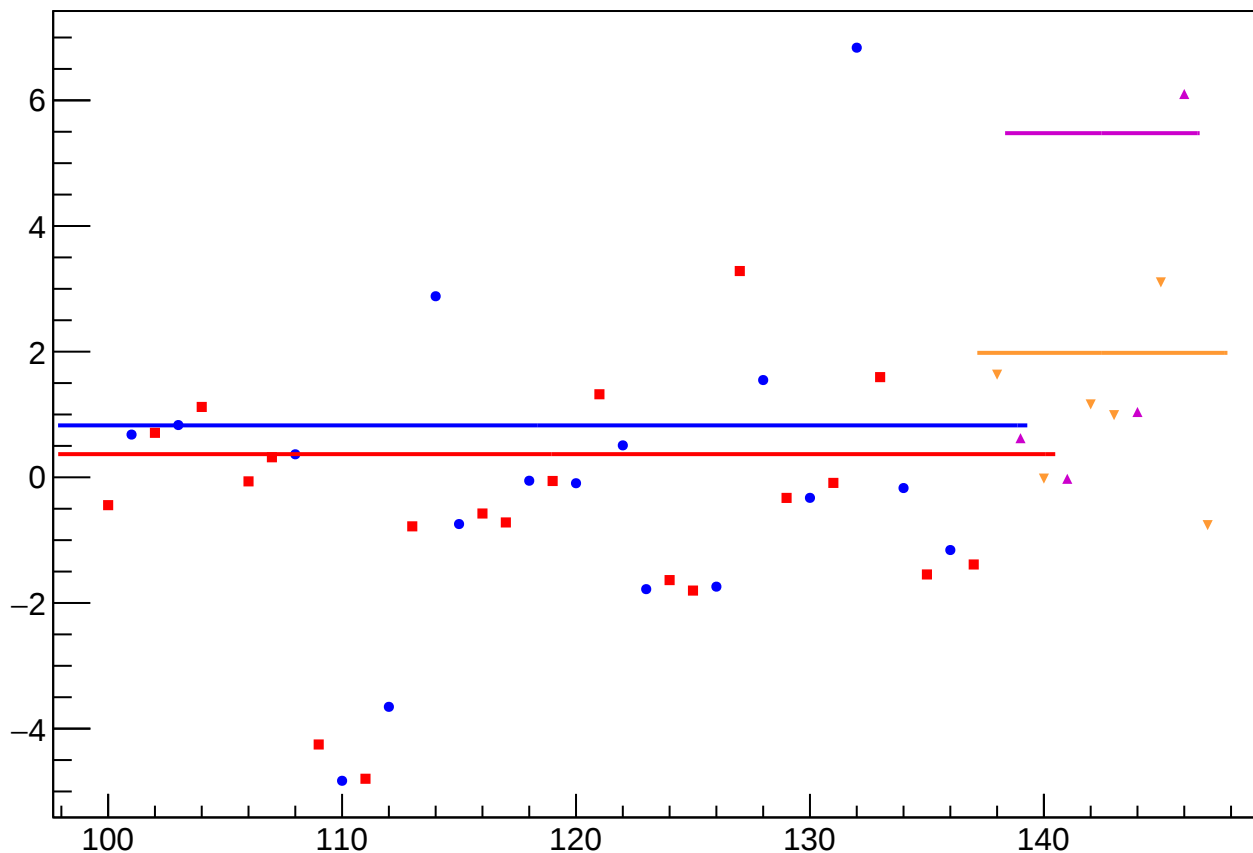
Left In: 0.025+/-0.000 χ^2/NDF : 1932097.8/3

0.033+/-0.000 χ^2/NDF : 6124860.0/22

0.035+/-0.000 χ^2/NDF : 11627240.8/46

0.037+/-0.000 χ^2/NDF : 5441229.9/23

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.827 ± 0.000 χ^2/NDF : 10936458870.4/16

Left Out: 1.981 ± 0.000 χ^2/NDF : 11235435082.0/5

Right Out: 0.369 ± 0.000 χ^2/NDF : 4985860510.0/19

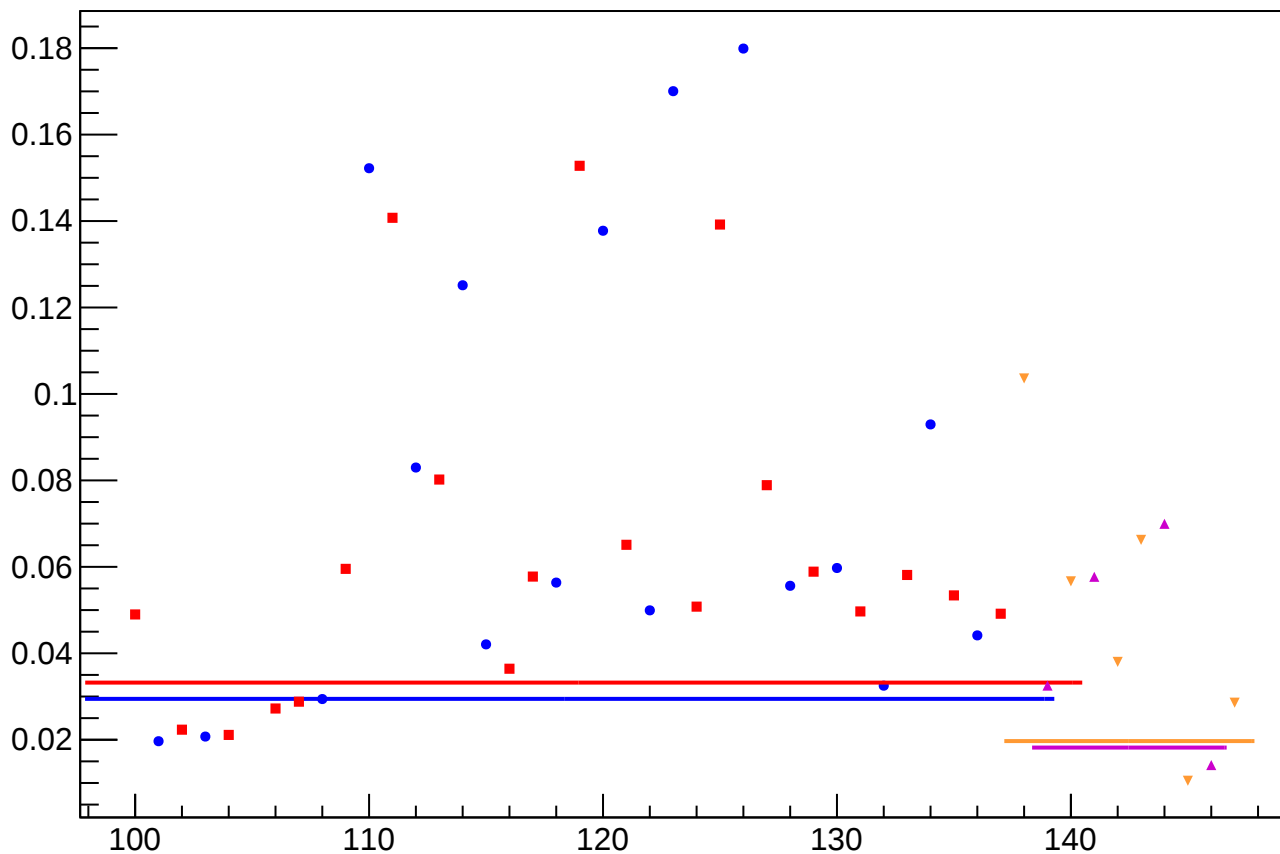
Left In: 5.478 ± 0.000 χ^2/NDF : 12105271101.8/3

1.416 ± 0.000 χ^2/NDF : 24849449162.5/22

2.202 ± 0.000 χ^2/NDF : 100465416543.6/

3.055 ± 0.000 χ^2/NDF : 65256179076.8/23

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029 $\pm$ 0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.020 $\pm$ 0.000 χ^2/NDF : 2285170.4/5

Right Out: 0.033 $\pm$ 0.000 χ^2/NDF : 3110014.7/19

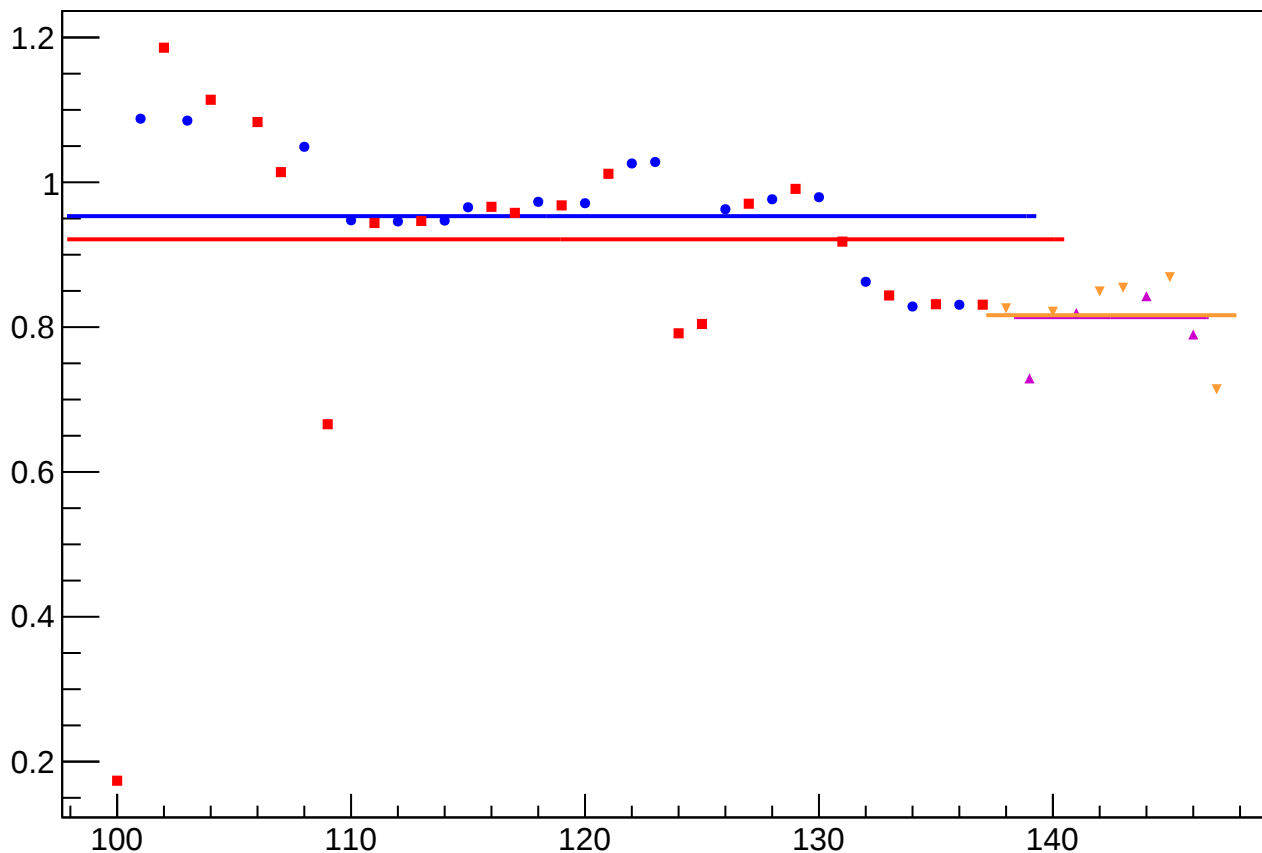
Left In: 0.018 $\pm$ 0.000 χ^2/NDF : 1230038.9/3

0.024 $\pm$ 0.000 χ^2/NDF : 5721906.4/22

0.025 $\pm$ 0.000 χ^2/NDF : 10901485.8/46

0.025 $\pm$ 0.000 χ^2/NDF : 5174090.1/23

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953+/-0.000 χ^2/NDF : 175396553.4/16

Left Out: 0.816+/-0.000 χ^2/NDF : 70020285.6/5

Right Out: 0.921+/-0.000 χ^2/NDF : 374376205.4/19

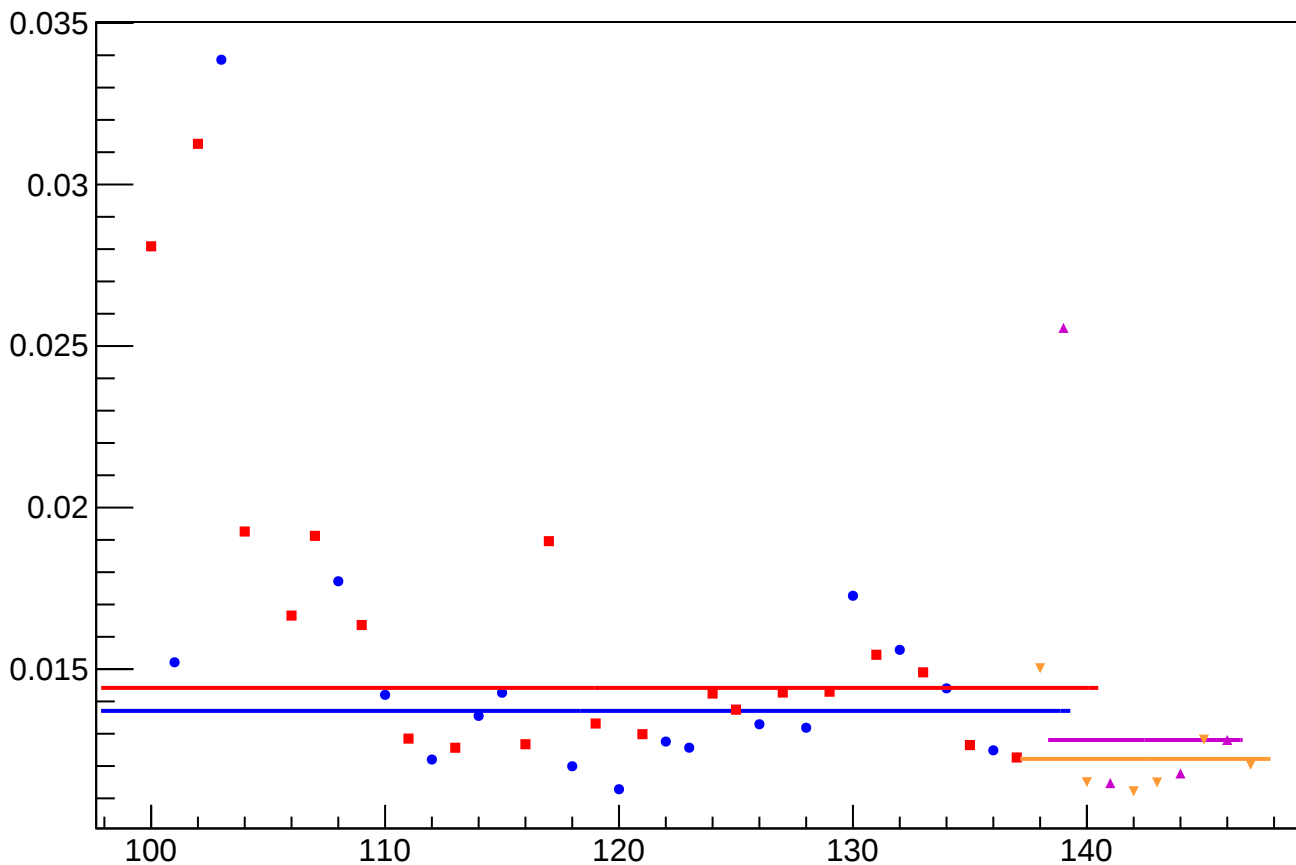
Left In: 0.814+/-0.000 χ^2/NDF : 14553796.4/3

0.896+/-0.000 χ^2/NDF : 489443725.8/22

0.890+/-0.000 χ^2/NDF : 1003701967.3/46

0.883+/-0.000 χ^2/NDF : 510267959.5/23

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 546317.6/16

Left Out: 0.012+/-0.000 χ^2/NDF : 58464.8/5

Right Out: 0.014+/-0.000 χ^2/NDF : 506553.4/19

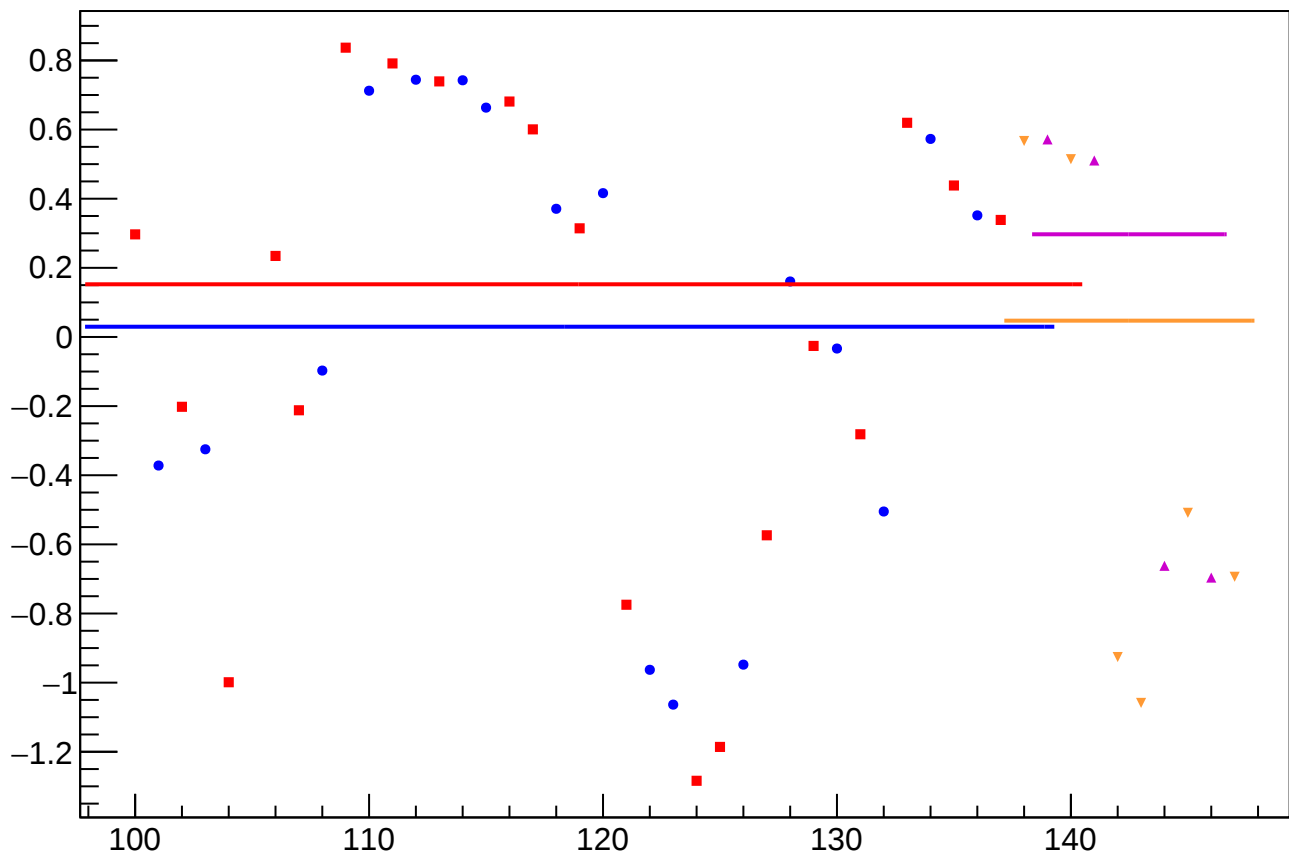
Left In: 0.013+/-0.000 χ^2/NDF : 358222.4/3

0.013+/-0.000 χ^2/NDF : 662392.2/22

0.013+/-0.000 χ^2/NDF : 1610595.0/46

0.014+/-0.000 χ^2/NDF : 919490.4/23

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 6294824795.0/16

Left Out: 0.047 $\pm$ 0.000 χ^2 /NDF: 14587525215.9/5

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12673501089.9/19

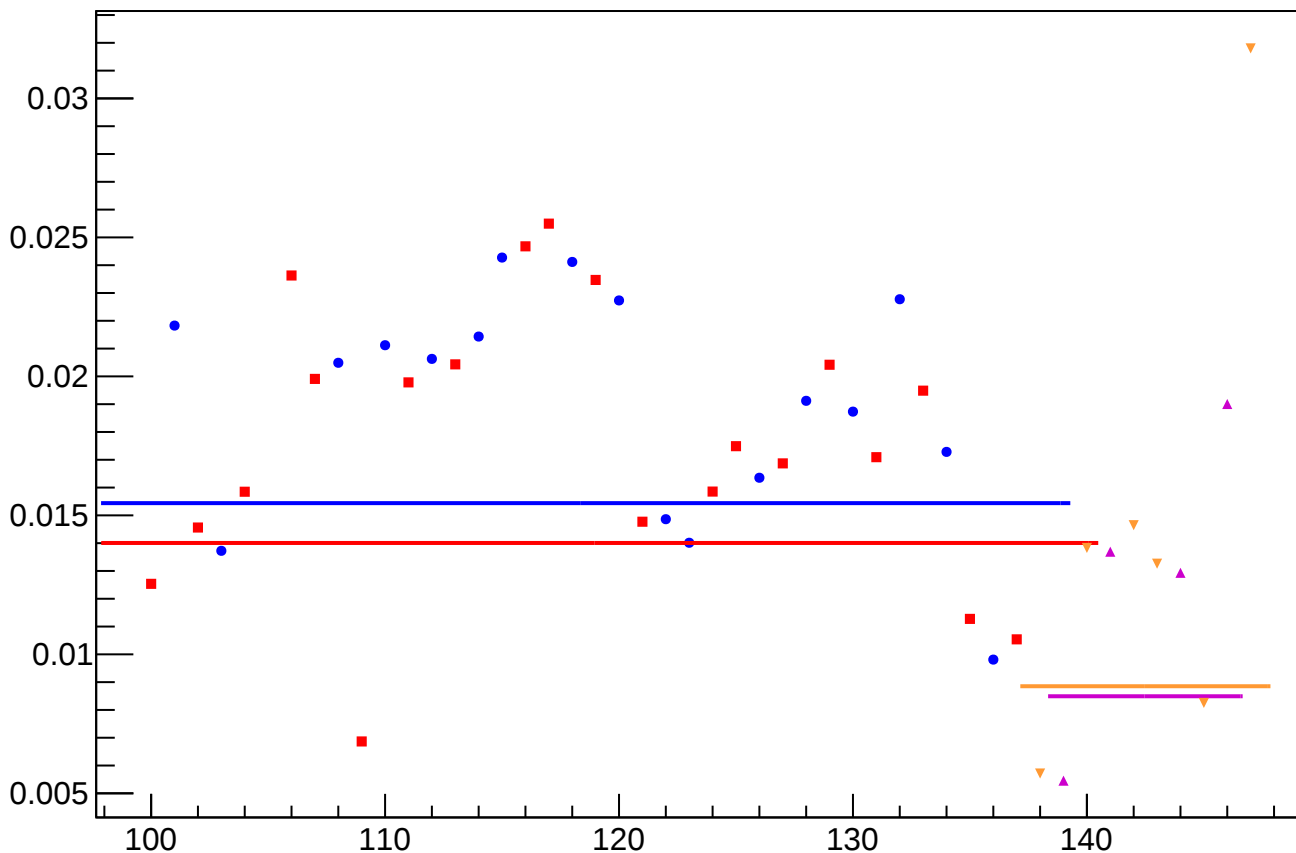
Left In: 0.297 $\pm$ 0.000 χ^2 /NDF: 8298620250.7/3

0.040 $\pm$ 0.000 χ^2 /NDF: 20886785400.6/22

0.135 $\pm$ 0.000 χ^2 /NDF: 43258558045.9/4

0.229 $\pm$ 0.000 χ^2 /NDF: 21290095458.3/23

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.009+/-0.000 χ^2/NDF : 1589445.7/5

Right Out: 0.014+/-0.000 χ^2/NDF : 1576149.9/19

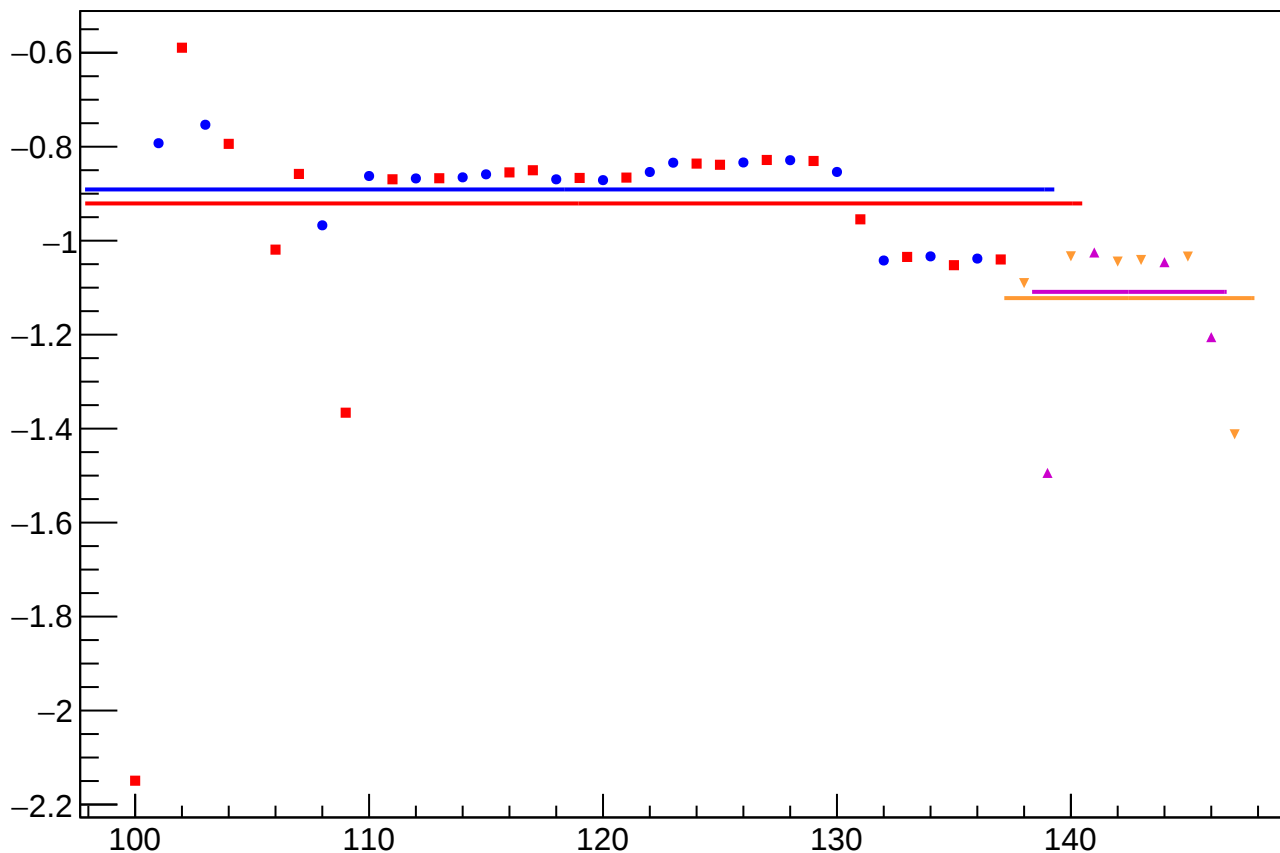
Left In: 0.008+/-0.000 χ^2/NDF : 1251217.9/3

0.011+/-0.000 χ^2/NDF : 4002379.9/22

0.011+/-0.000 χ^2/NDF : 7761892.9/46

0.011+/-0.000 χ^2/NDF : 3751989.5/23

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.891+/-0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.122+/-0.000 χ^2/NDF : 78749939.1/5

Right Out: -0.921+/-0.000 χ^2/NDF : 131271770.4/19

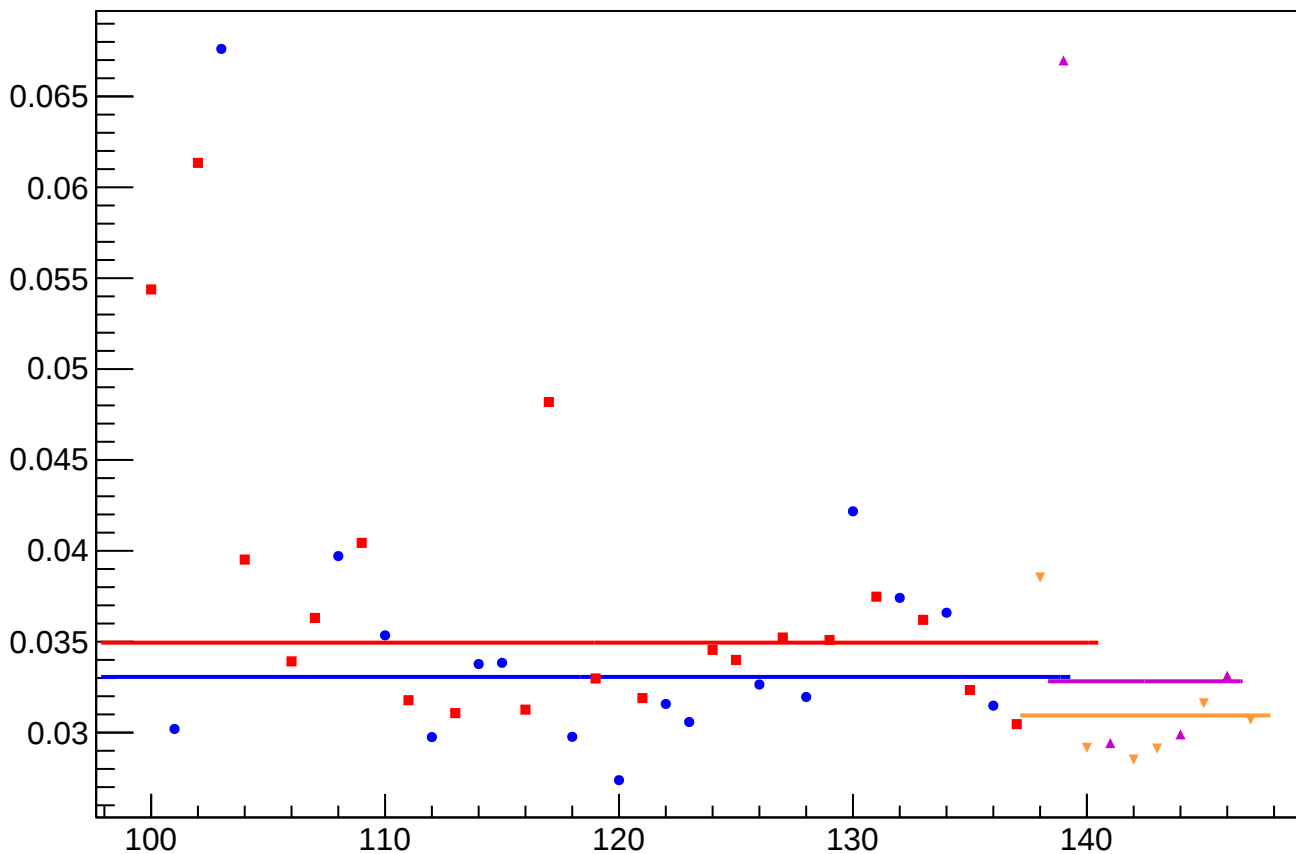
Left In: -1.109+/-0.000 χ^2/NDF : 36991359.8/3

-0.982+/-0.000 χ^2/NDF : 231172815.4/22

-0.982+/-0.000 χ^2/NDF : 458251700.8/46

-0.982+/-0.000 χ^2/NDF : 227077471.2/23

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 409286.7/16

Left Out: 0.031+/-0.000 χ^2/NDF : 60006.9/5

Right Out: 0.035+/-0.000 χ^2/NDF : 280500.4/19

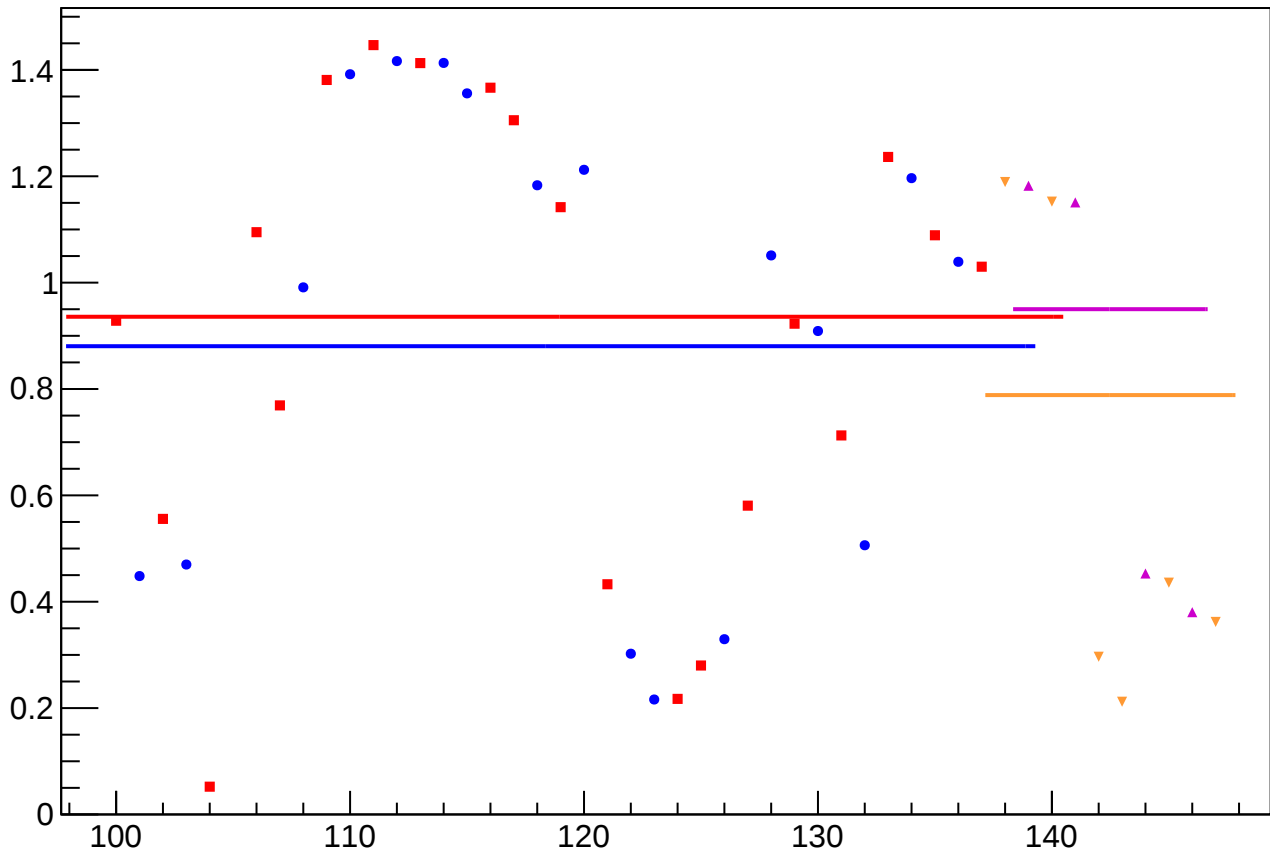
Left In: 0.033+/-0.000 χ^2/NDF : 374908.0/3

0.032+/-0.000 χ^2/NDF : 488237.0/22

0.033+/-0.000 χ^2/NDF : 1191950.2/46

0.034+/-0.000 χ^2/NDF : 670439.3/23

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.880 $\pm$ 0.000 χ^2 /NDF: 6400108121.4/16

Left Out: 0.789 $\pm$ 0.000 χ^2 /NDF:10546420161.9/5

Right Out: 0.936 $\pm$ 0.000 χ^2 /NDF: 9851303698.9/19

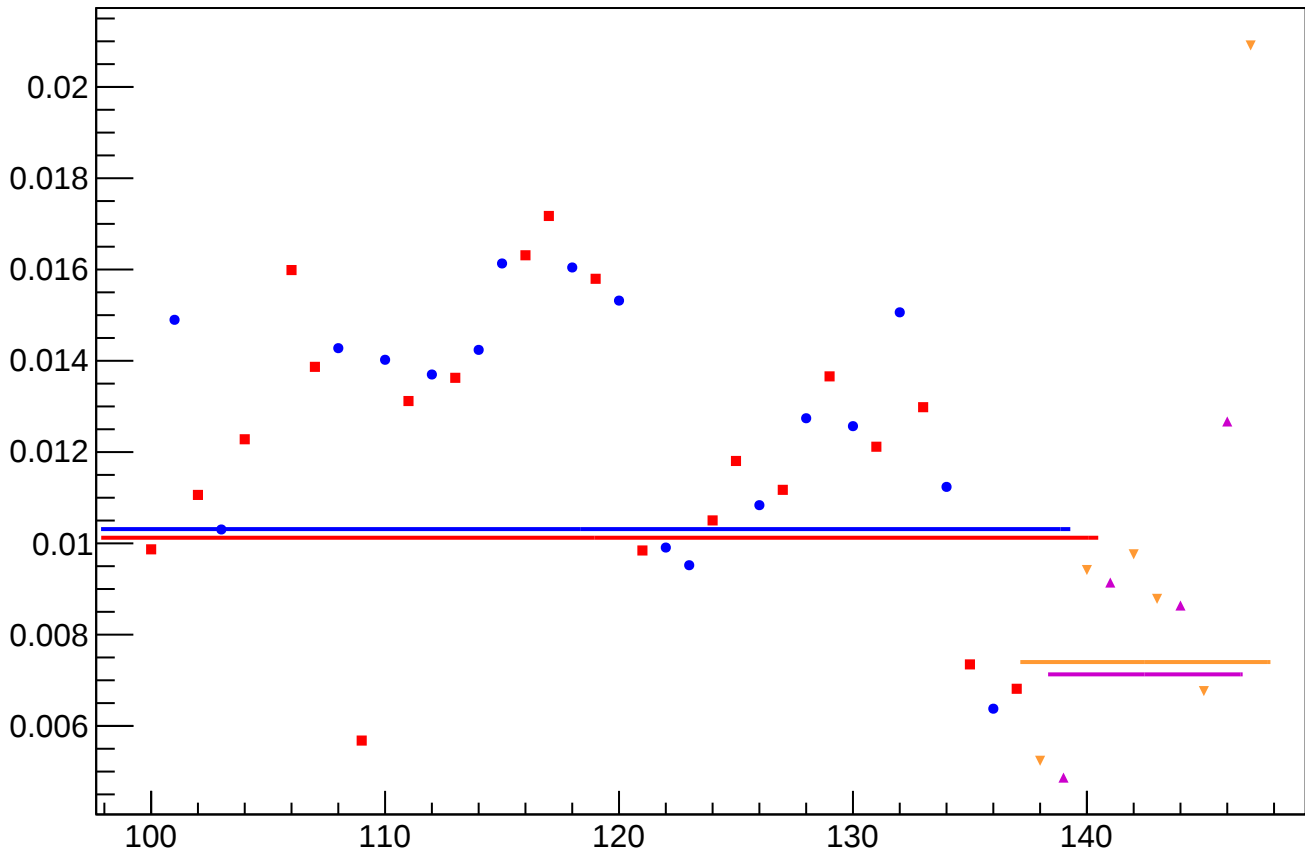
Left In: 0.950 $\pm$ 0.000 χ^2 /NDF:6026595162.4/3

0.831 $\pm$ 0.000 χ^2 /NDF: 17184553813.4/22

0.886 $\pm$ 0.000 χ^2 /NDF: 33755165941.9/4

0.943 $\pm$ 0.000 χ^2 /NDF: 15883408368.6/23

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1231066.2/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1009221.3/5

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1191429.9/19

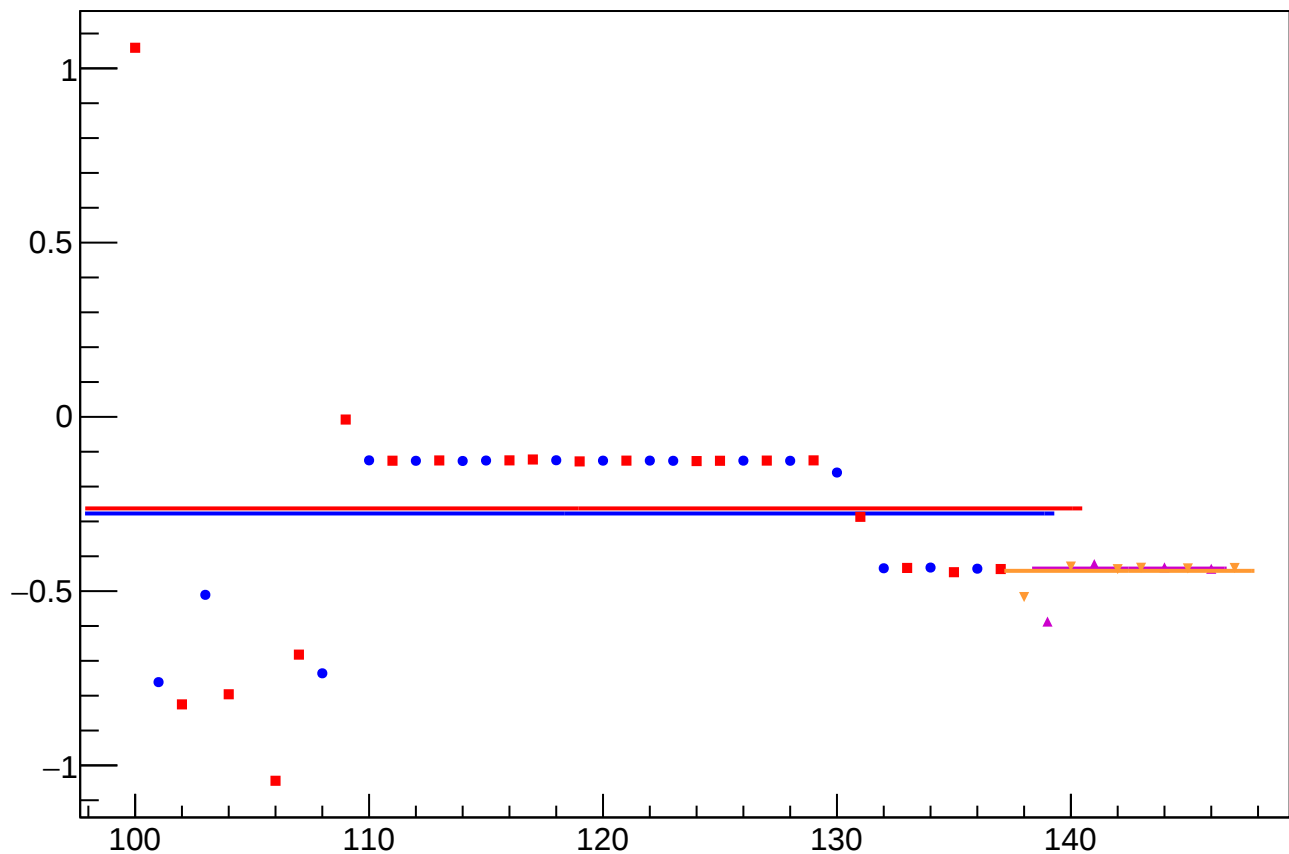
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:677089.1/3

0.009 $\pm$ 0.000 χ^2 /NDF: 2718452.2/22

0.009 $\pm$ 0.000 χ^2 /NDF: 5074494.1/46

0.009 $\pm$ 0.000 χ^2 /NDF: 2355719.1/23

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.277+/-0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.442+/-0.000 χ^2/NDF : 22995957.5/5

Right Out: -0.263+/-0.000 χ^2/NDF : 1009303829.9/19

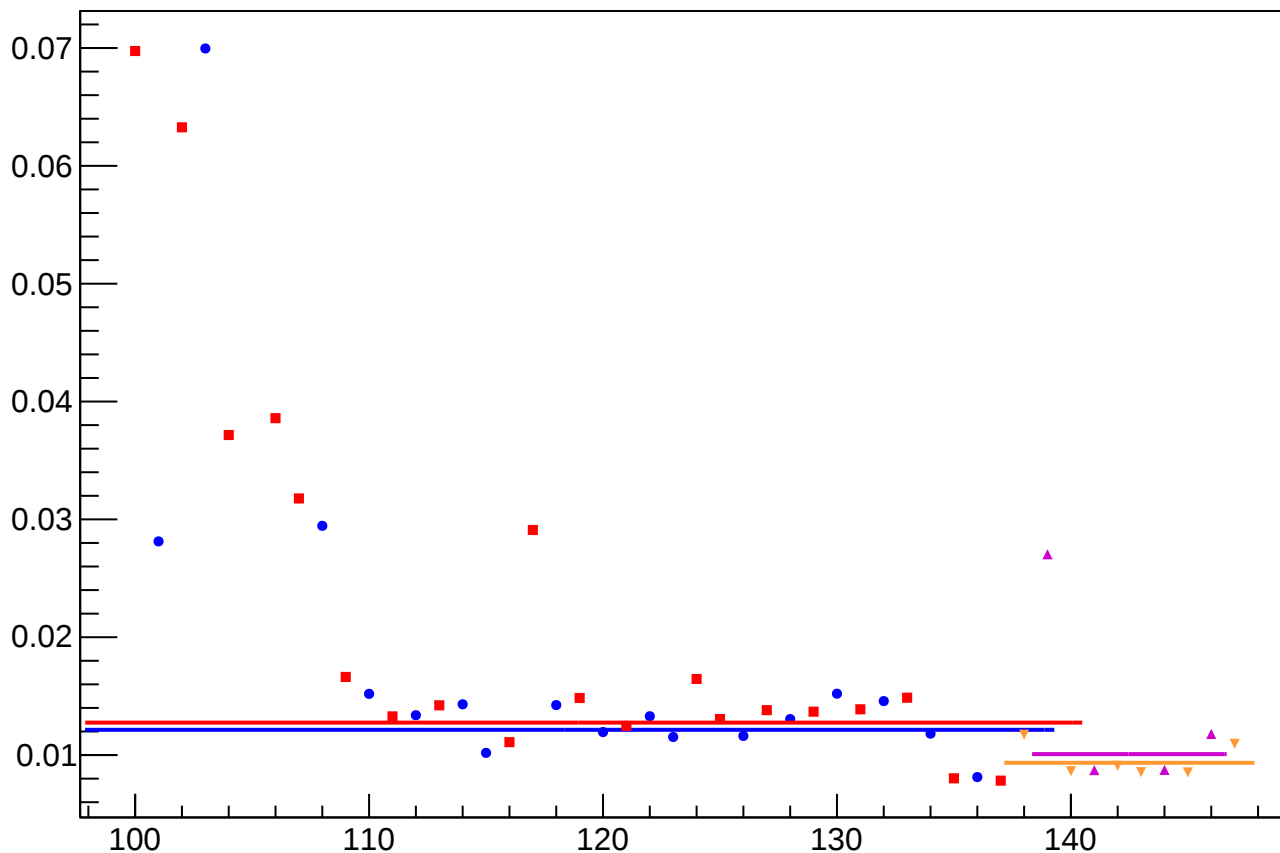
Left In: -0.435+/-0.000 χ^2/NDF : 22524896.4/3

-0.363+/-0.000 χ^2/NDF : 1416741138.7/22

-0.352+/-0.000 χ^2/NDF : 2854035397.7/40

-0.337+/-0.000 χ^2/NDF : 1417211750.2/23

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1727494.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 97289.7/5

Right Out: 0.013+/-0.000 χ^2/NDF : 1993726.2/19

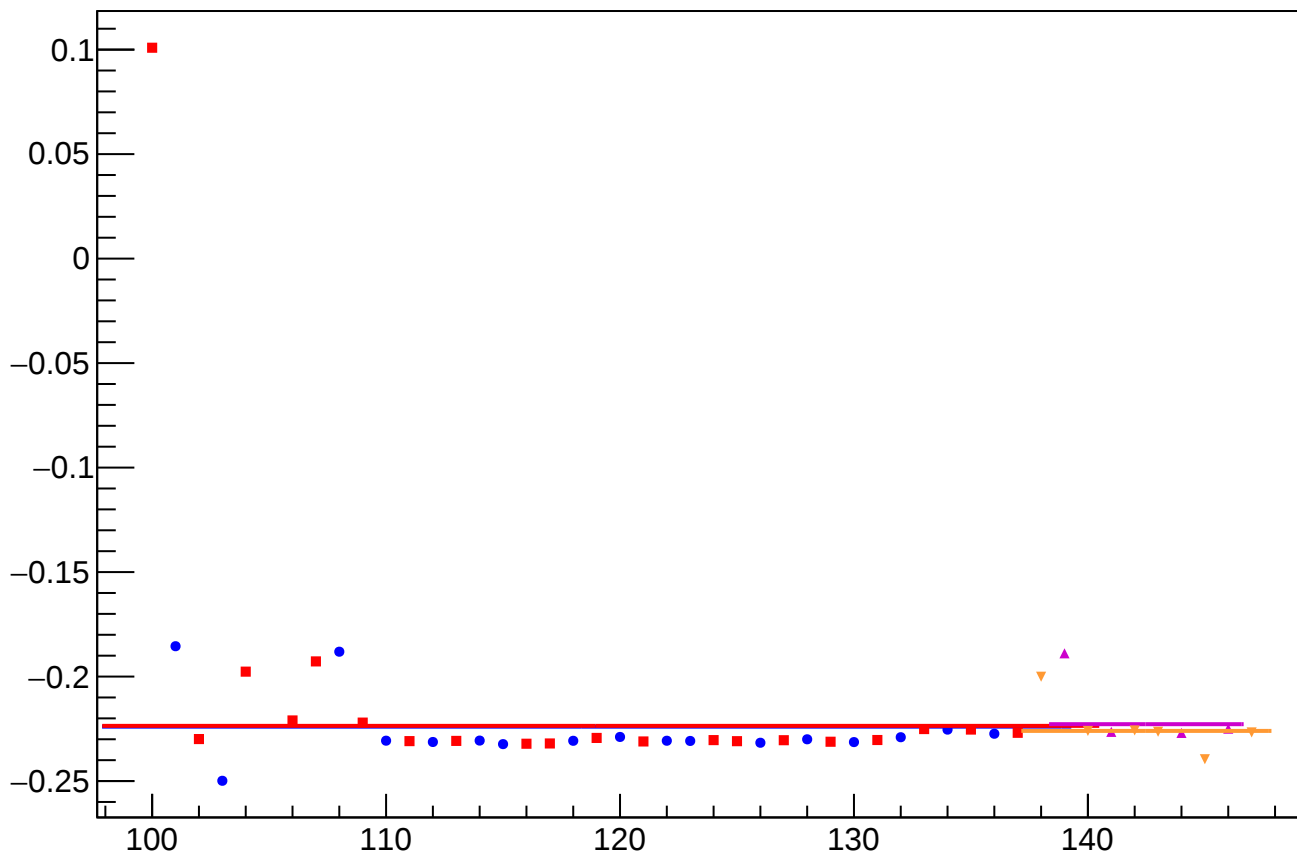
Left In: 0.010+/-0.000 χ^2/NDF : 612708.6/3

0.011+/-0.000 χ^2/NDF : 2087079.0/22

0.011+/-0.000 χ^2/NDF : 4928523.0/46

0.012+/-0.000 χ^2/NDF : 2791321.6/23

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 : 20478527.5/5

Right Out: -0.224+/-0.000 χ^2/NDF : 168231258.4/19

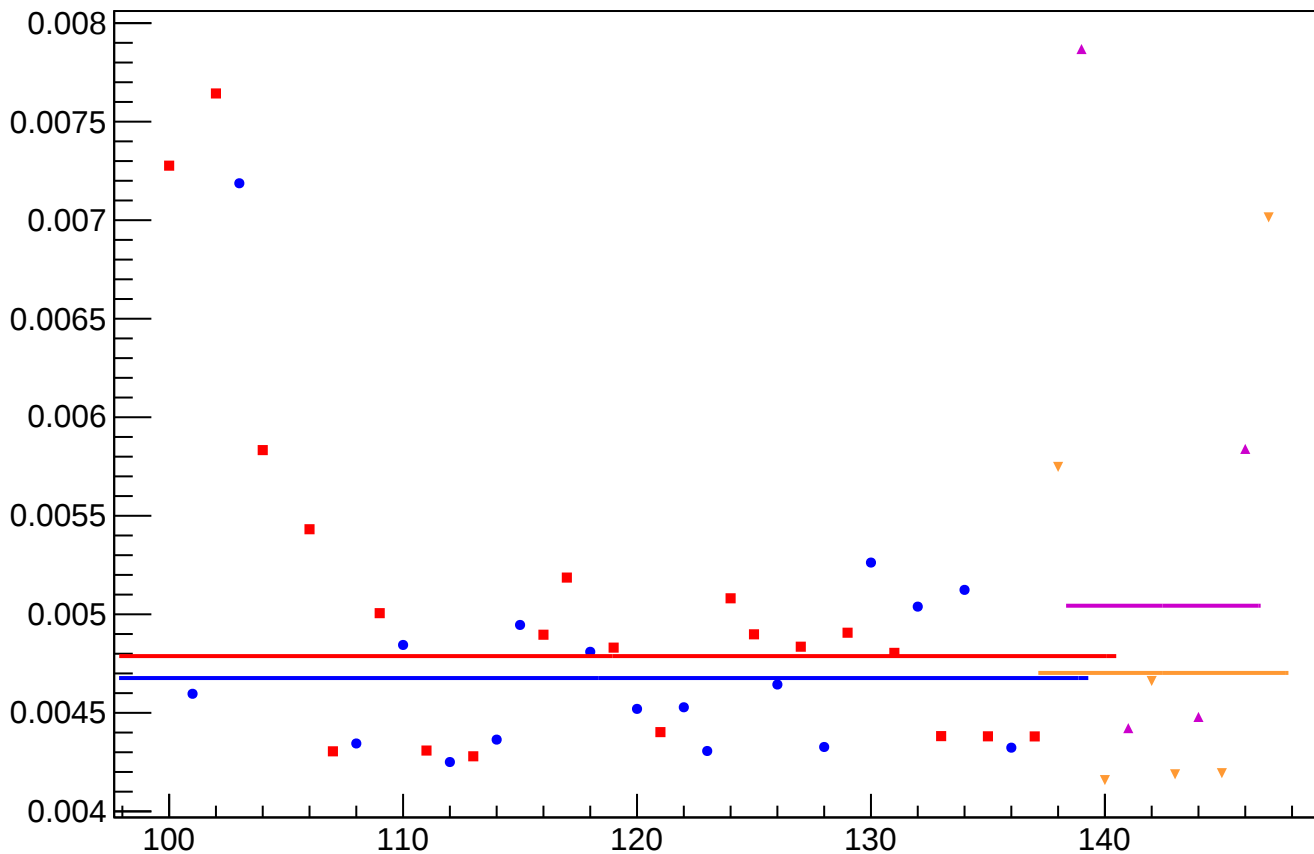
Left In: -0.223+/-0.000 χ^2/NDF : 13234515.8/3

-0.225+/-0.000 χ^2/NDF : 95613735.3/22

-0.224+/-0.000 χ^2/NDF : 277502222.1/46

-0.223+/-0.000 χ^2/NDF : 181516900.6/23

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 : 270775.2/5

Right Out: 0.005+/-0.000 χ^2/NDF : 248668.3/19

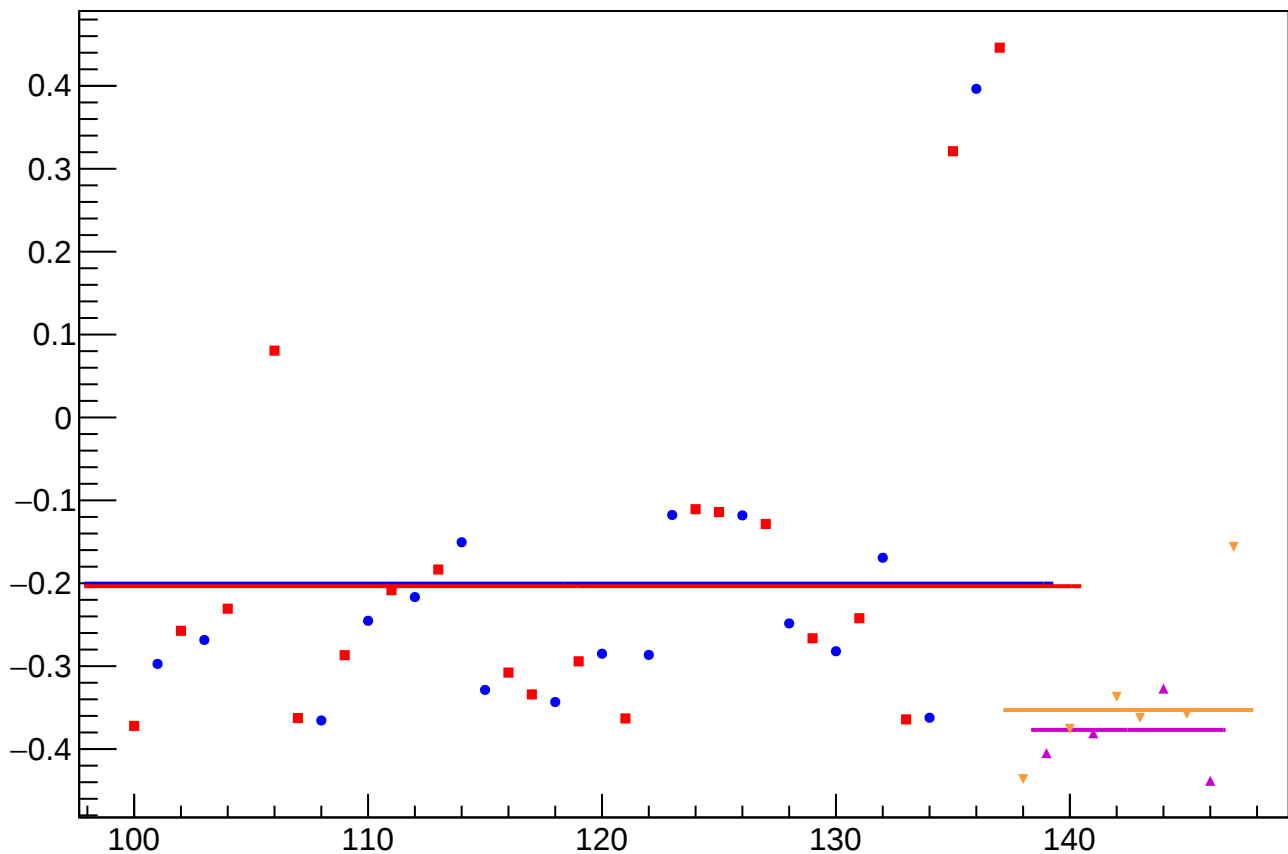
Left In: 0.005+/-0.000 χ^2/NDF : 247497.1/3

0.005+/-0.000 χ^2/NDF : 452248.5/22

0.005+/-0.000 χ^2/NDF : 971165.7/46

0.005+/-0.000 χ^2/NDF : 506474.3/23

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.200+/-0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.353+/-0.000 χ^2/NDF : 854582374.5/5

Right Out: -0.204+/-0.000 χ^2/NDF : 5045878528.0/19

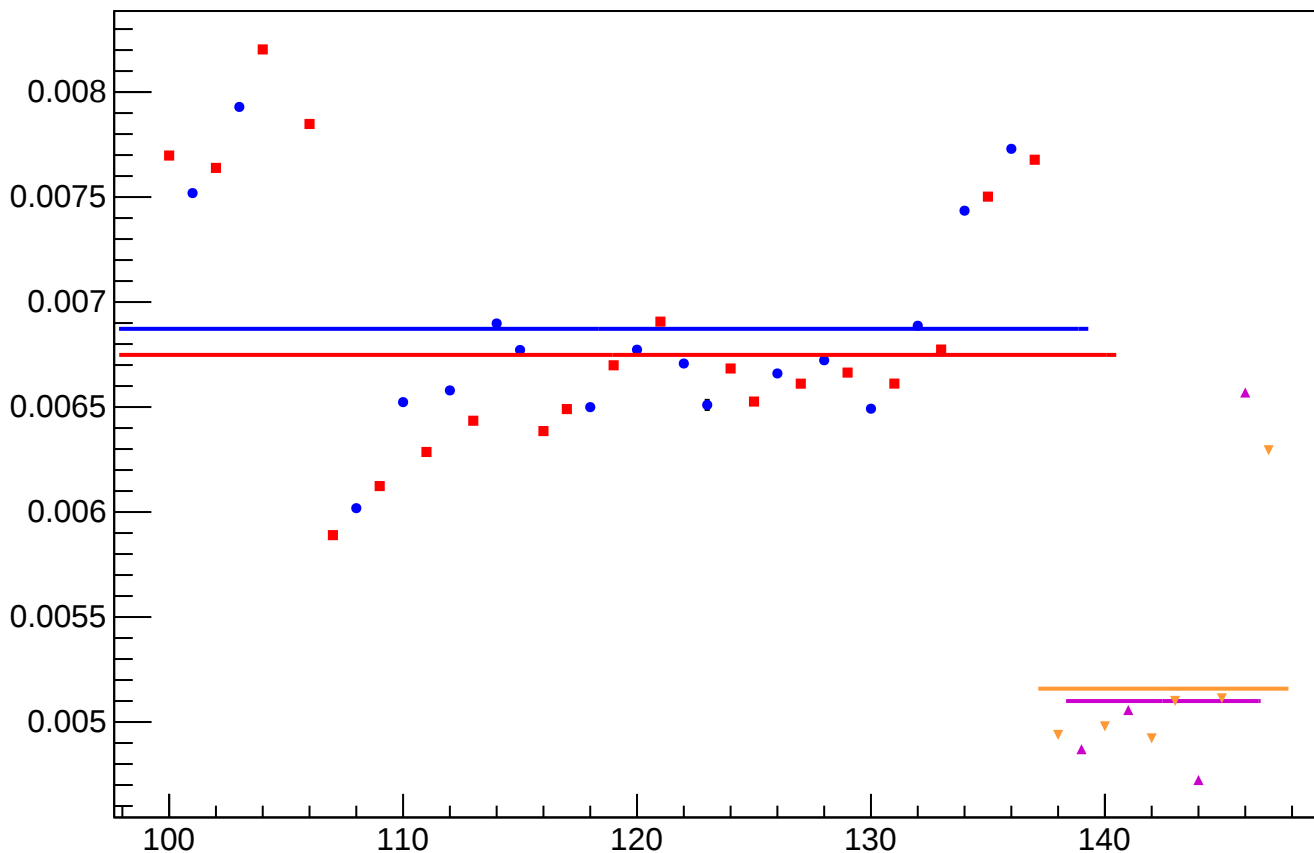
Left In: -0.377+/-0.000 χ^2/NDF : 167450733.1/3

-0.277+/-0.000 χ^2/NDF : 8455595635.4/22

-0.277+/-0.000 χ^2/NDF : 15593747613.4/4

-0.277+/-0.000 χ^2/NDF : 7138101456.0/23

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 78611.6/16

Left Out: 0.005 $\pm$ 0.000 χ^2/NDF : 48890.3/5

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 105262.1/19

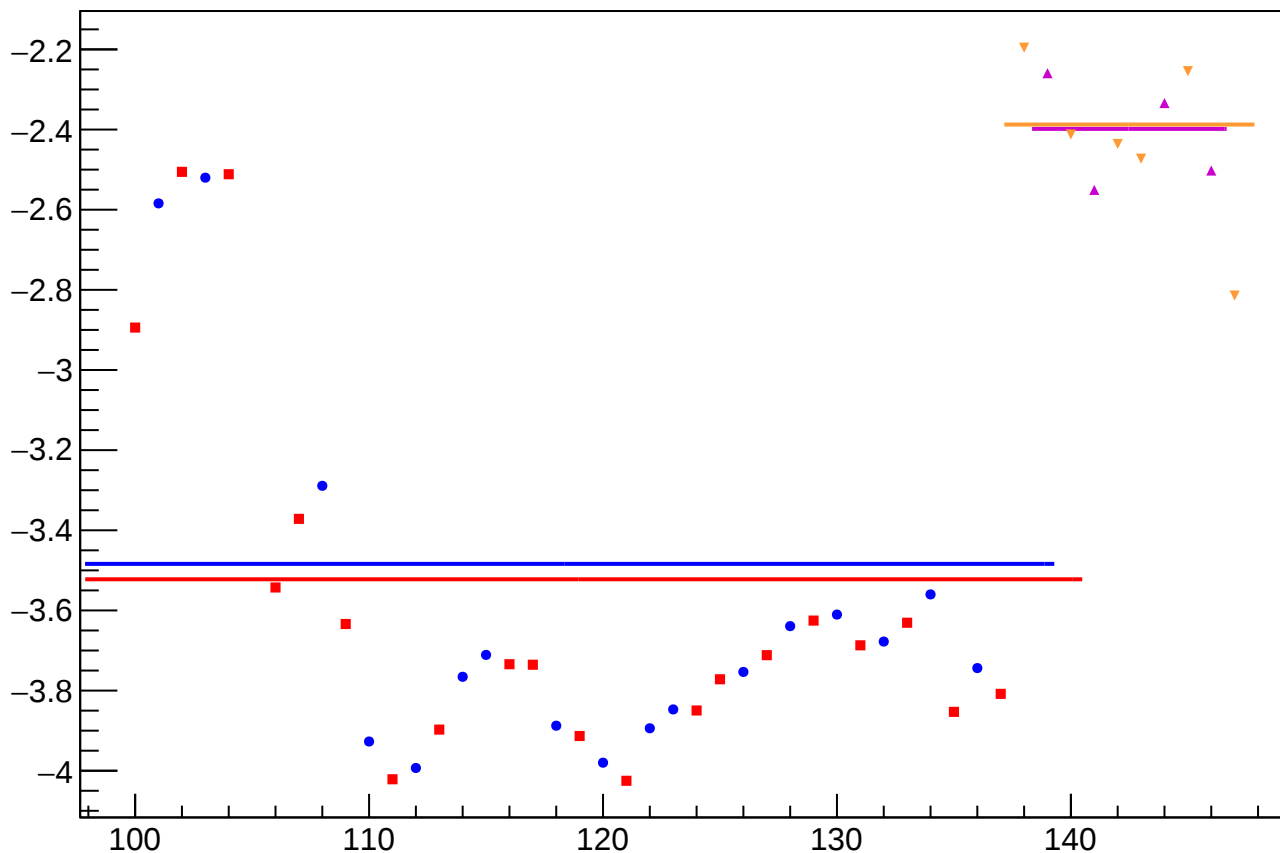
Left In: 0.005 $\pm$ 0.000 χ^2/NDF : 76234.6/3

0.006 $\pm$ 0.000 χ^2/NDF : 538568.6/22

0.006 $\pm$ 0.000 χ^2/NDF : 1068730.1/46

0.006 $\pm$ 0.000 χ^2/NDF : 529637.8/23

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.387+/-0.000 χ^2/NDF : 1080512148.9/5

Right Out: -3.522+/-0.000 χ^2/NDF : 26497611752.4/19

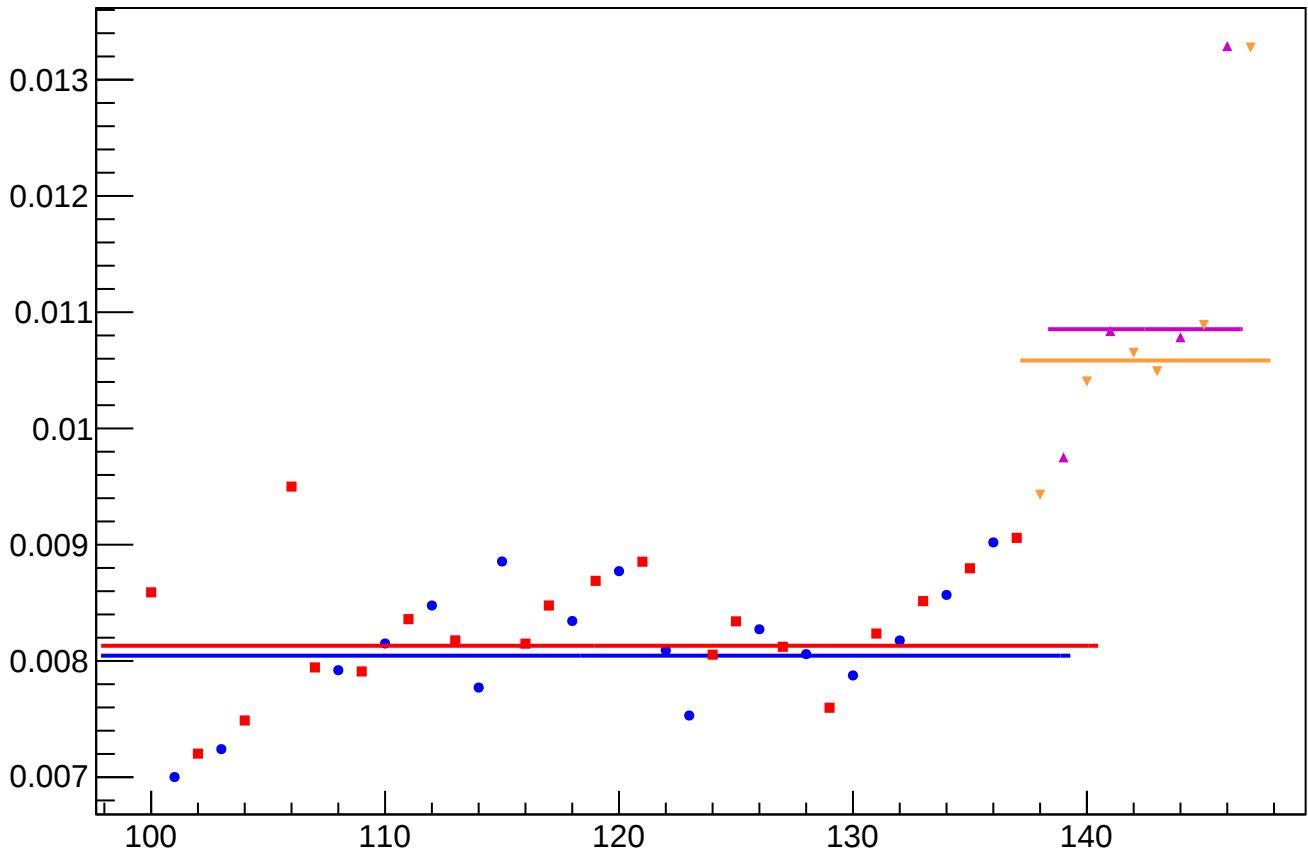
Left In: -2.398+/-0.000 χ^2/NDF : 368240501.2/3

-3.210+/-0.000 χ^2/NDF : 58400098618.7/22

-3.256+/-0.000 χ^2/NDF : 111039195795.0

-3.305+/-0.000 χ^2/NDF : 52054107254.5/23

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 71989.8/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 73642.4/5

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 57613.2/19

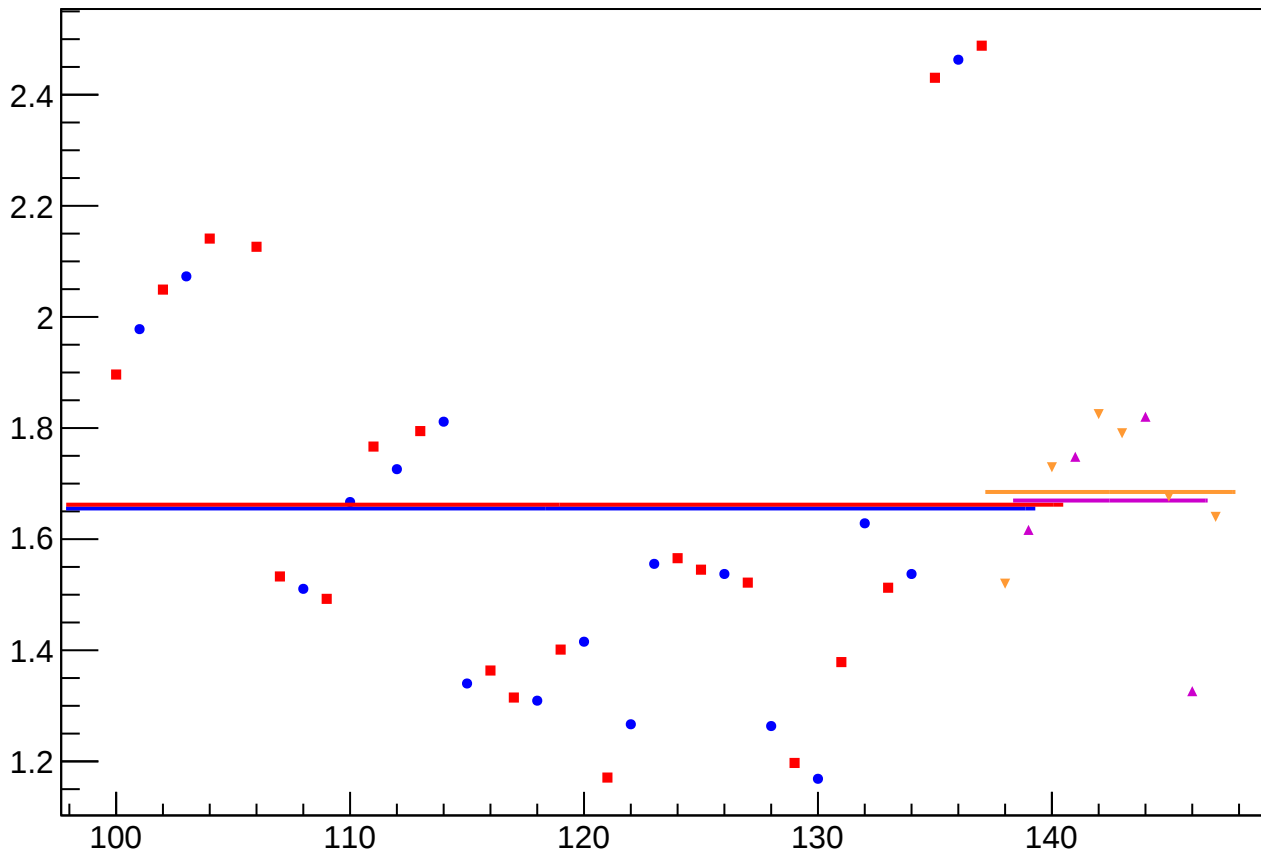
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 58244.4/3

0.009 $\pm$ 0.000 χ^2/NDF : 469040.0/22

0.009 $\pm$ 0.000 χ^2/NDF : 880657.8/46

0.009 $\pm$ 0.000 χ^2/NDF : 411558.0/23

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.655 $\pm$ 0.000 χ^2 /NDF: 6476474909.3/16

Left Out: 1.685 $\pm$ 0.000 χ^2 /NDF: 309410518.5/5

Right Out: 1.662 $\pm$ 0.000 χ^2 /NDF: 5975345573.0/19

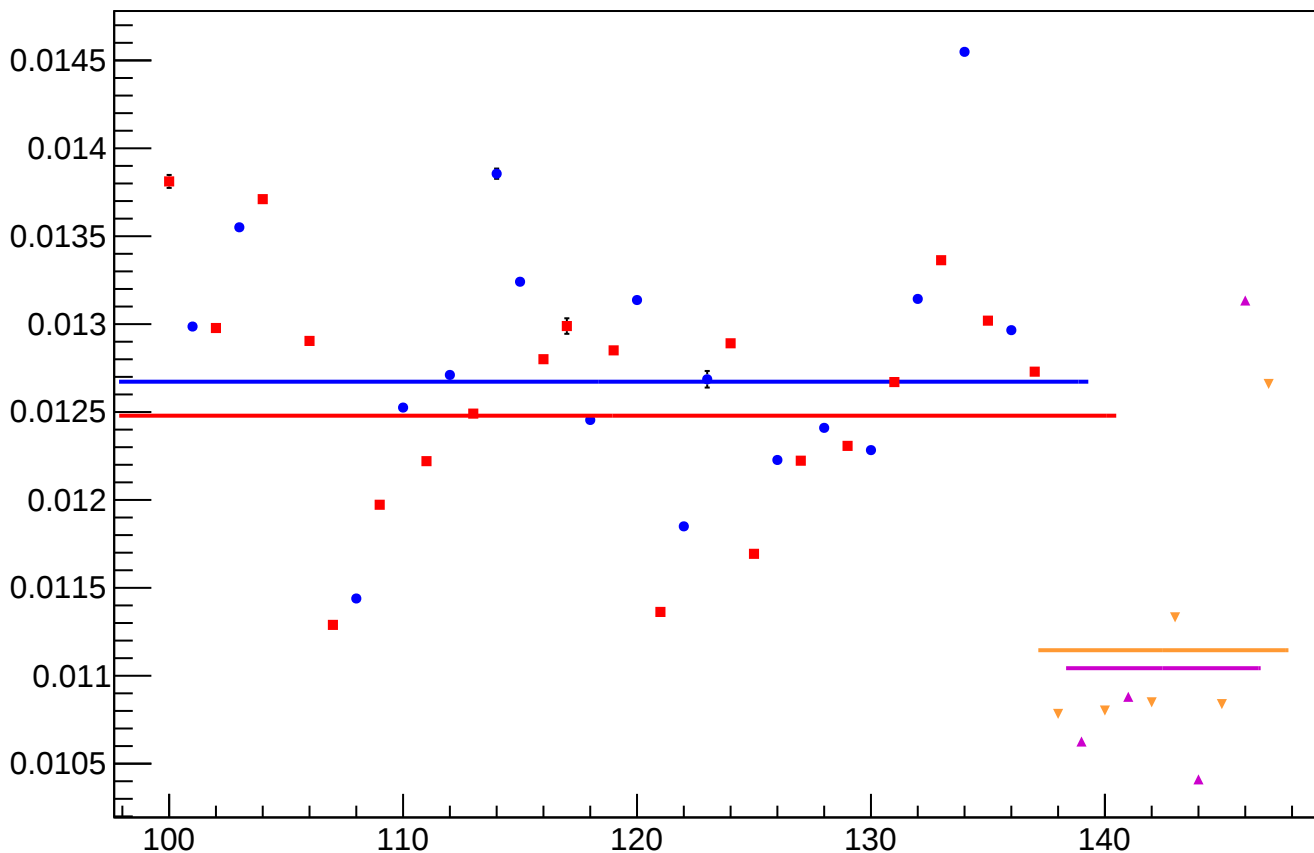
Left In: 1.670 $\pm$ 0.000 χ^2 /NDF: 709331330.9/3

1.668 $\pm$ 0.000 χ^2 /NDF: 6801518681.5/22

1.666 $\pm$ 0.000 χ^2 /NDF: 13487490100.3/4

1.665 $\pm$ 0.000 χ^2 /NDF: 6685559329.7/23

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 :25321.9/5

Right Out: 0.012 $\pm$ 0.000 χ^2/NDF : 39268.9/19

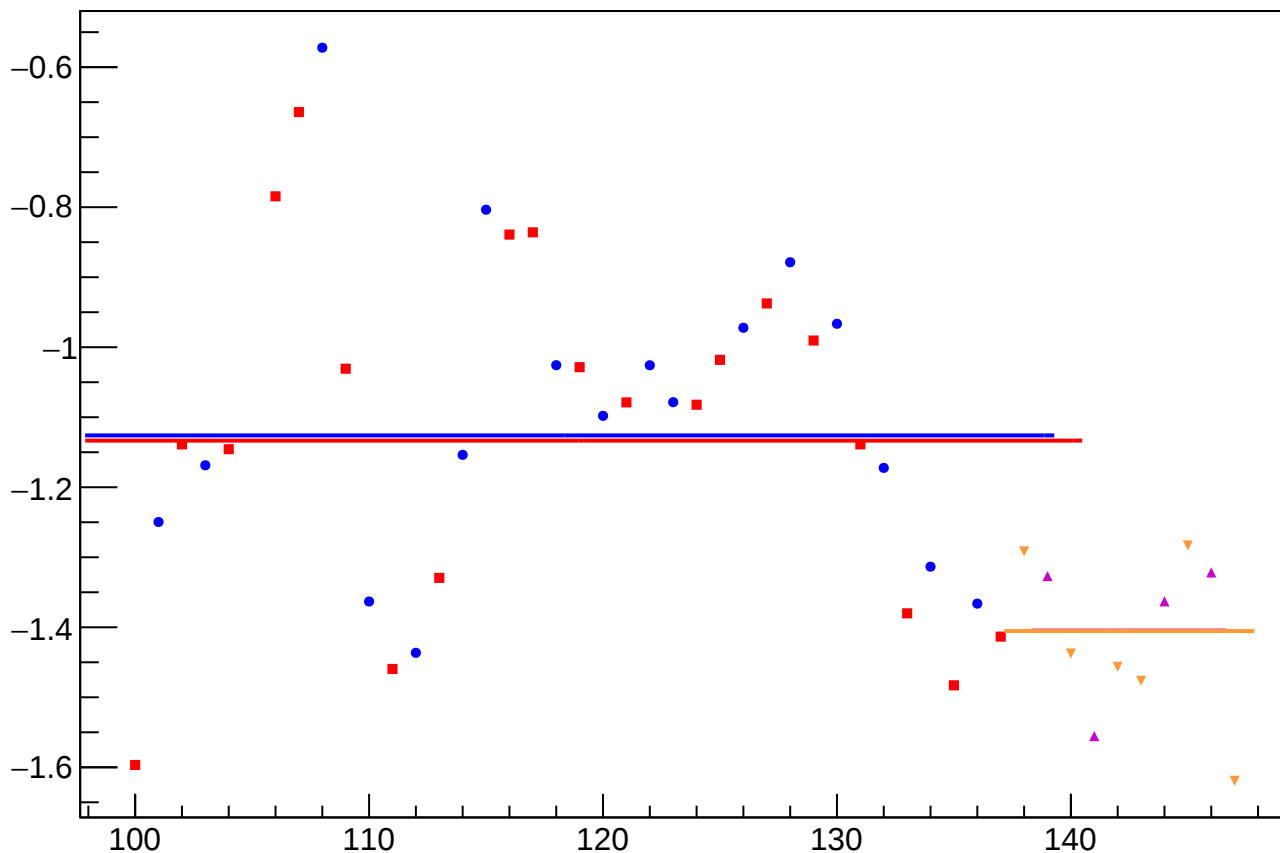
Left In: 0.011 $\pm$ 0.000 χ^2/NDF :43884.8/3

0.012 $\pm$ 0.000 χ^2/NDF : 139845.5/22

0.012 $\pm$ 0.000 χ^2/NDF : 288508.4/46

0.012 $\pm$ 0.000 χ^2/NDF : 148539.1/23

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.405+/-0.000 χ^2/NDF : 584039312.8/5

Right Out: -1.133+/-0.000 χ^2/NDF : 3706528266.7/19

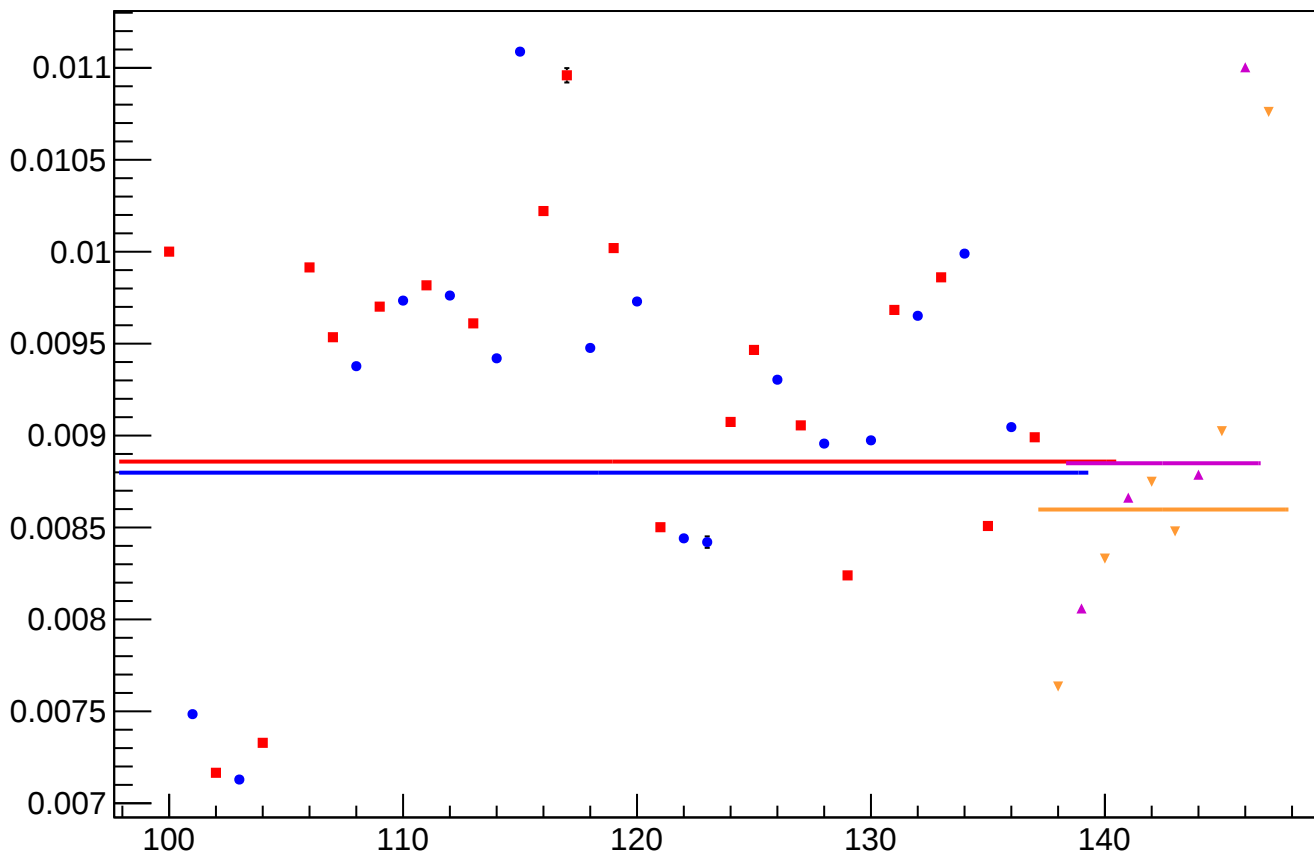
Left In: -1.405+/-0.000 χ^2/NDF : 364954243.2/3

-1.232+/-0.000 χ^2/NDF : 6591301621.4/22

-1.224+/-0.000 χ^2/NDF : 12570212786.3/4

-1.216+/-0.000 χ^2/NDF : 5962622594.7/23

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 151586.8/16

Left Out: 0.009+/-0.000 χ^2/NDF : 77085.9/5

Right Out: 0.009+/-0.000 χ^2/NDF : 176858.0/19

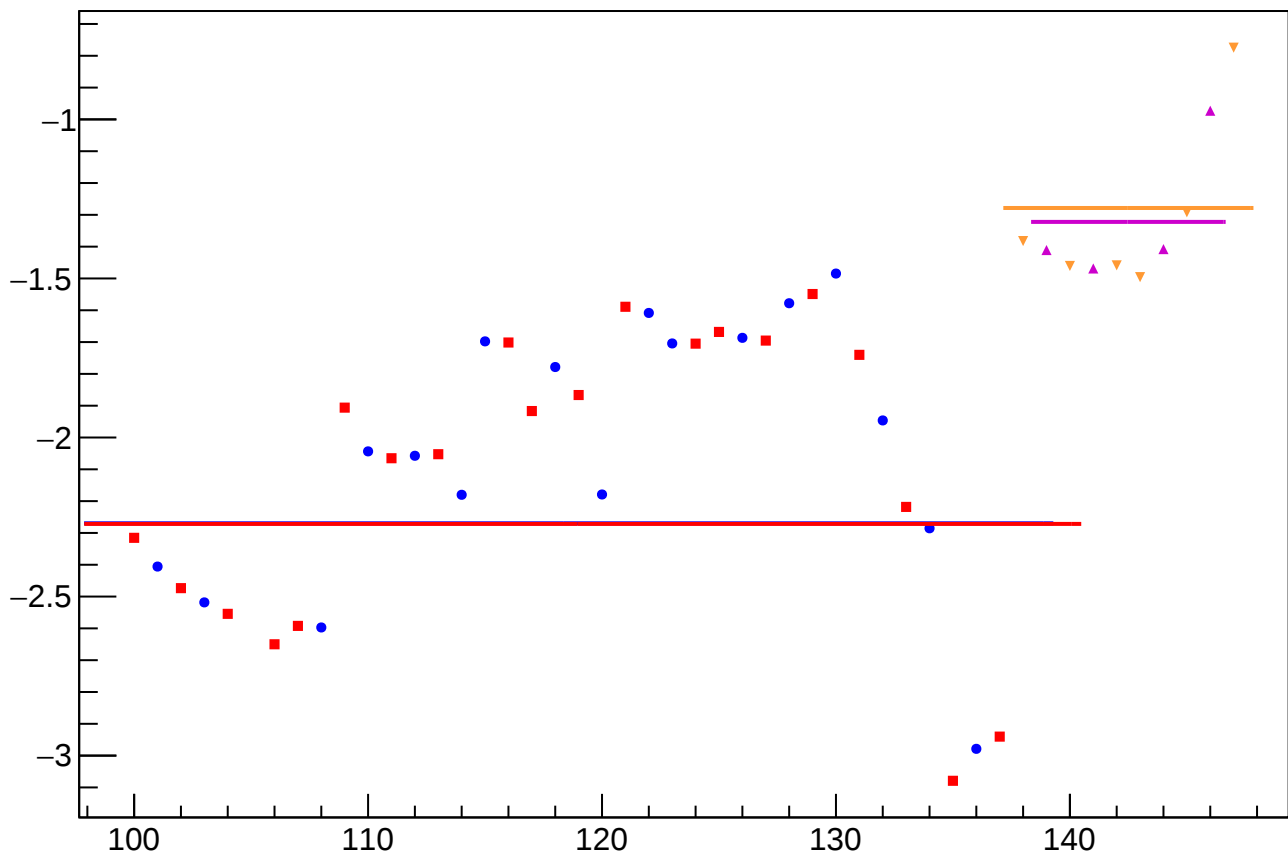
Left In: 0.009+/-0.000 χ^2/NDF : 60280.9/3

0.009+/-0.000 χ^2/NDF : 231175.6/22

0.009+/-0.000 χ^2/NDF : 470574.8/46

0.009+/-0.000 χ^2/NDF : 237143.2/23

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.270+/-0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.278+/-0.000 χ^2/NDF : 4648188680.0/5

Right Out: -2.272+/-0.000 χ^2/NDF : 19012236430.2/19

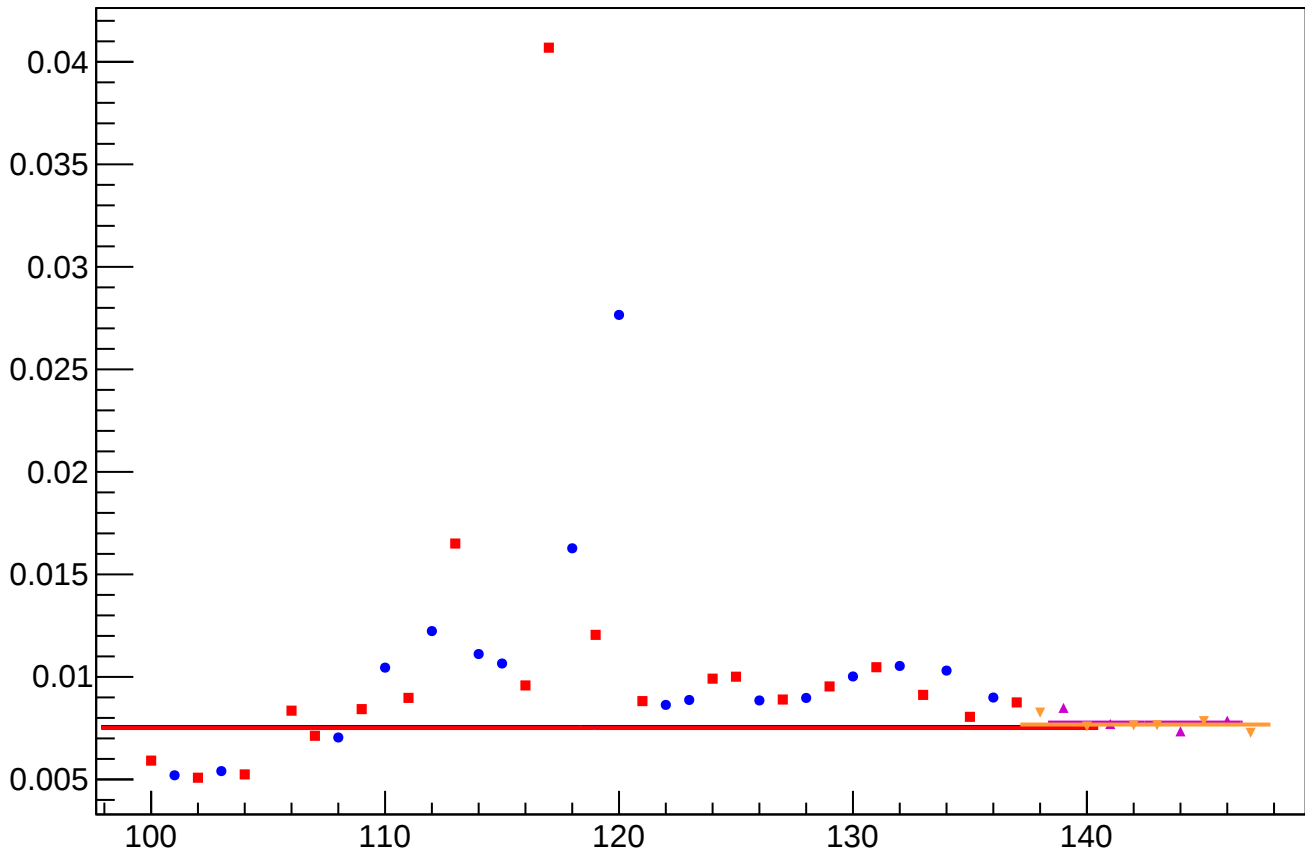
Left In: -1.322+/-0.000 χ^2/NDF : 1907059309.1/3

-1.853+/-0.000 χ^2/NDF : 58446236810.1/22

-1.904+/-0.000 χ^2/NDF : 109957539197.9

-1.957+/-0.000 χ^2/NDF : 50703559677.6/23

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 1221004.0/16

Left Out: 0.008+/-0.000 χ^2/NDF :11590.8/5

Right Out: 0.008+/-0.000 χ^2/NDF : 984811.6/19

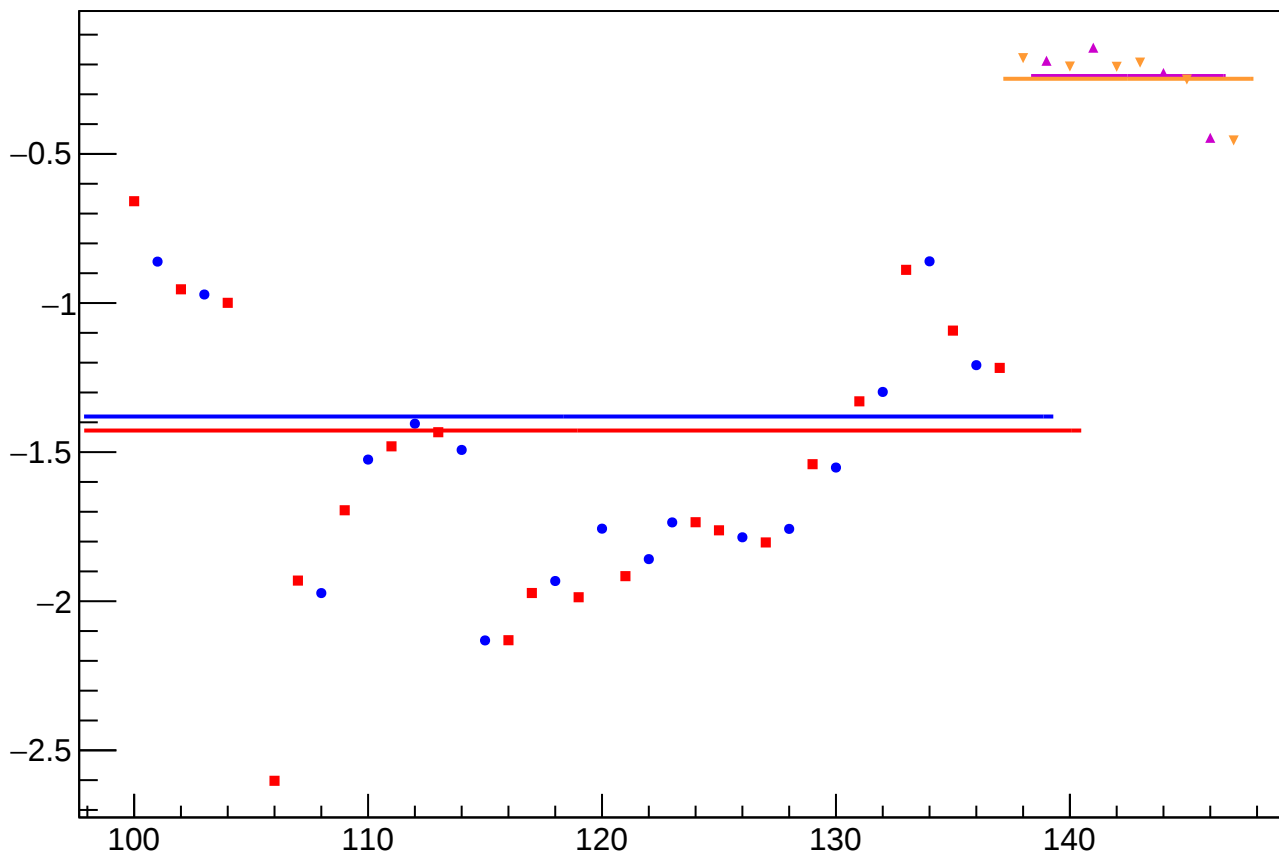
Left In: 0.008+/-0.000 χ^2/NDF :14902.3/3

0.008+/-0.000 χ^2/NDF : 1233641.4/22

0.008+/-0.000 χ^2/NDF : 2238077.6/46

0.008+/-0.000 χ^2/NDF : 1004408.4/23

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.381 ± 0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.248 ± 0.000 χ^2/NDF : 1968405769.4/5

-0.666 ± 0.000 χ^2/NDF : 127074905598.0/22

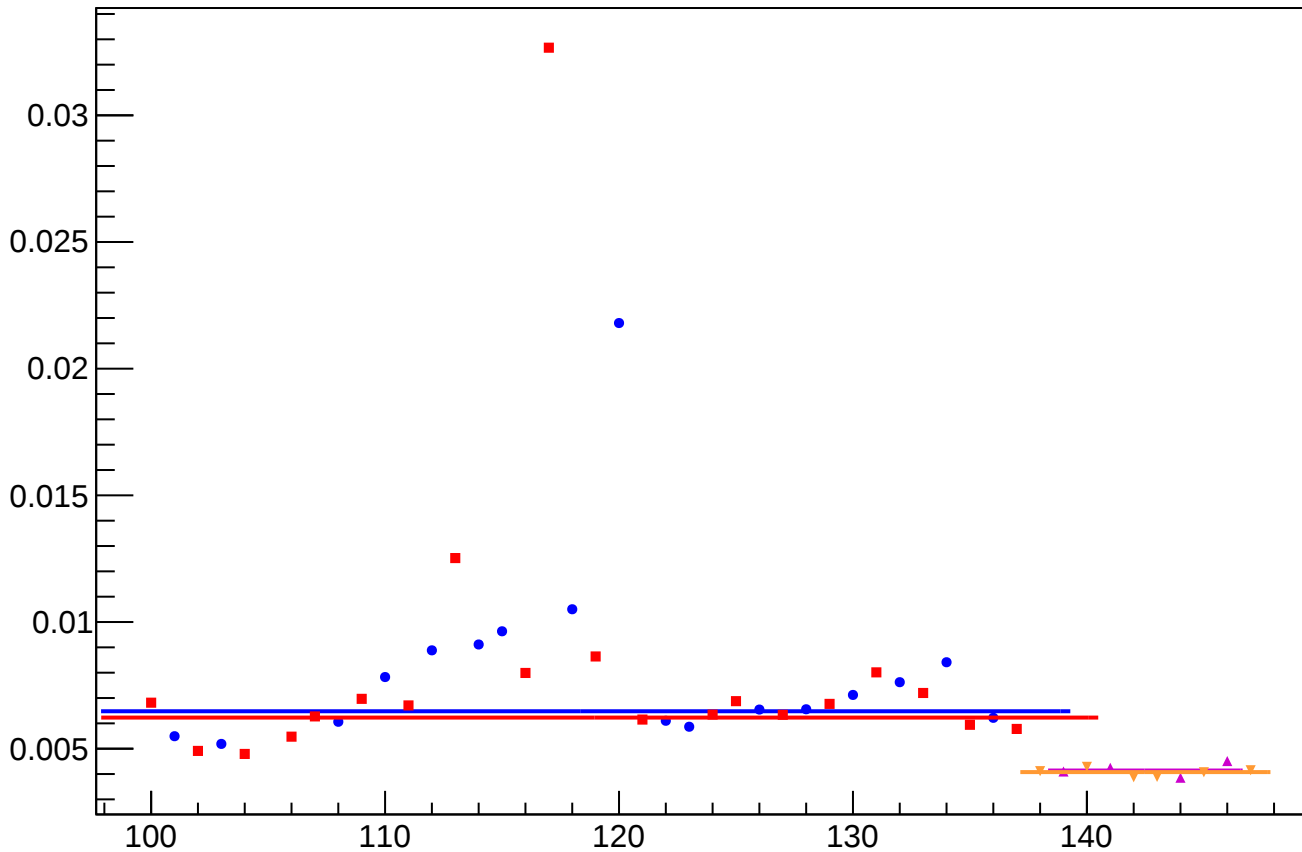
Right Out: -1.428 ± 0.000 χ^2/NDF : 29626603581.6/19

-0.731 ± 0.000 χ^2/NDF : 274764624712.0

-0.802 ± 0.000 χ^2/NDF : 144592870442.3/23

Left In: -0.239 ± 0.000 χ^2/NDF : 1891412000.9/3

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 572678.4/16

Left Out: 0.004+/-0.000 χ^2/NDF : 8875.7/5

Right Out: 0.006+/-0.000 χ^2/NDF : 472534.6/19

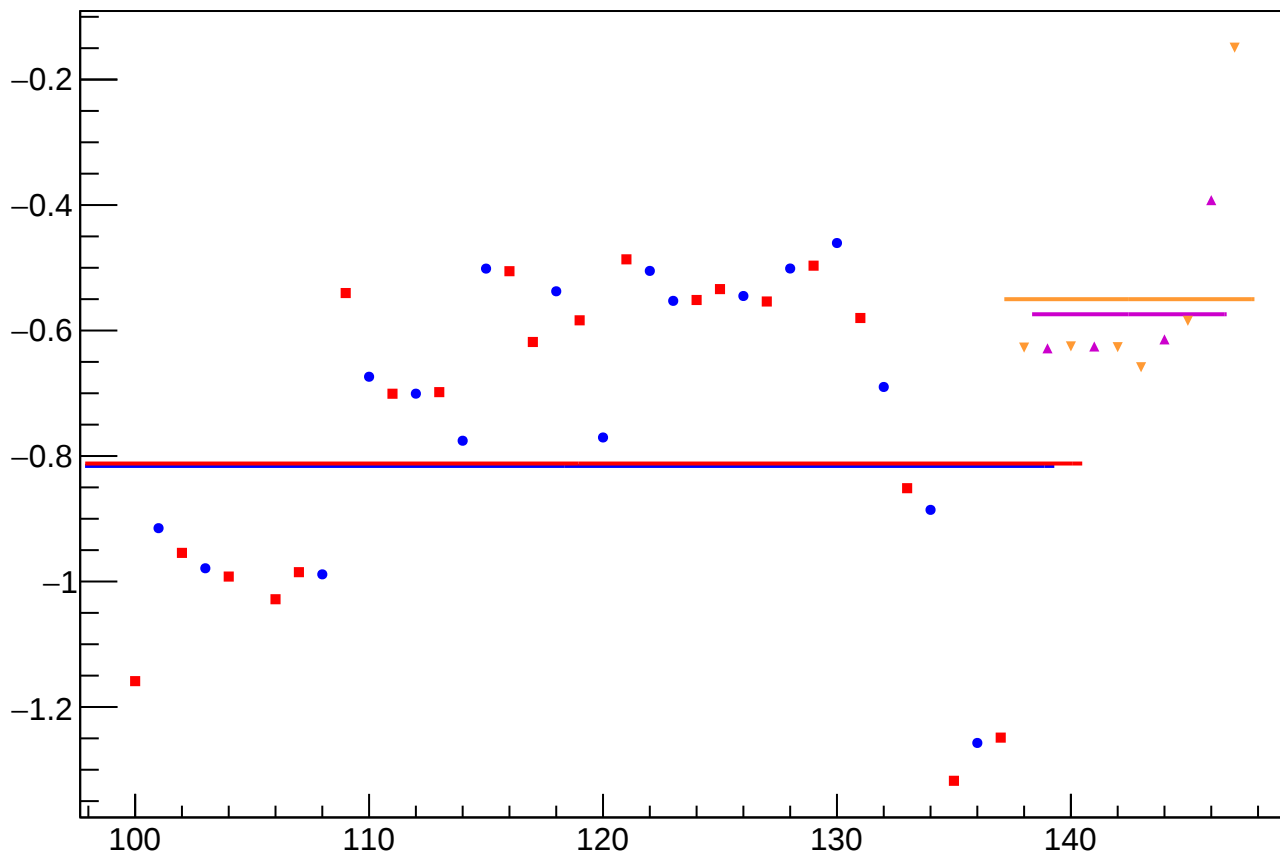
Left In: 0.004+/-0.000 χ^2/NDF : 18932.4/3

0.005+/-0.000 χ^2/NDF : 1526386.6/22

0.005+/-0.000 χ^2/NDF : 2725833.3/46

0.005+/-0.000 χ^2/NDF : 1190242.6/23

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.550+/-0.000 χ^2/NDF : 3796081398.3/5

Right Out: -0.812+/-0.000 χ^2/NDF : 16818378599.3/19

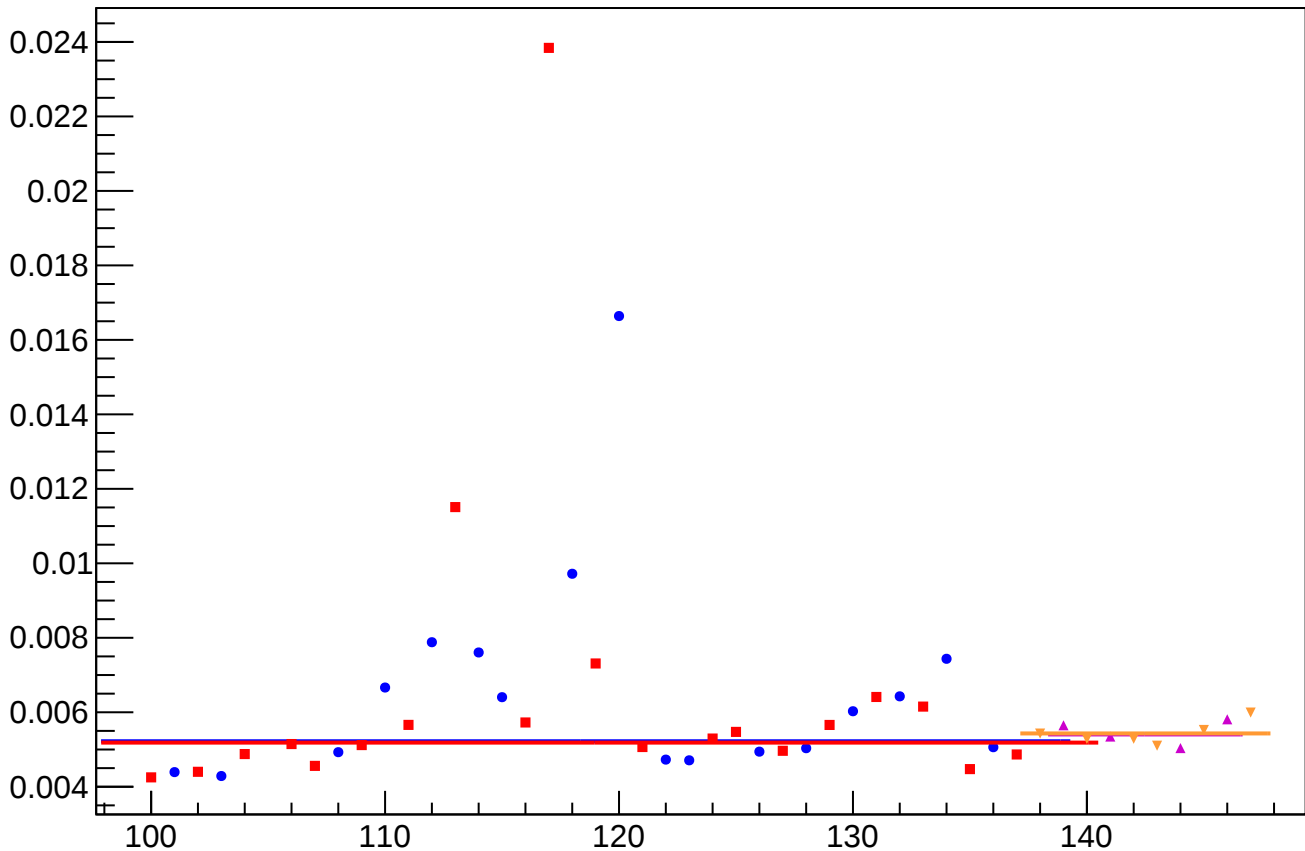
Left In: -0.574+/-0.000 χ^2/NDF : 878833244.6/3

-0.712+/-0.000 χ^2/NDF : 23397124931.1/22

-0.724+/-0.000 χ^2/NDF : 45132775250.8/4

-0.737+/-0.000 χ^2/NDF : 21628662371.6/23

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 664386.8/16

Left Out: 0.005+/-0.000 χ^2/NDF : 19131.2/5

Right Out: 0.005+/-0.000 χ^2/NDF : 410640.5/19

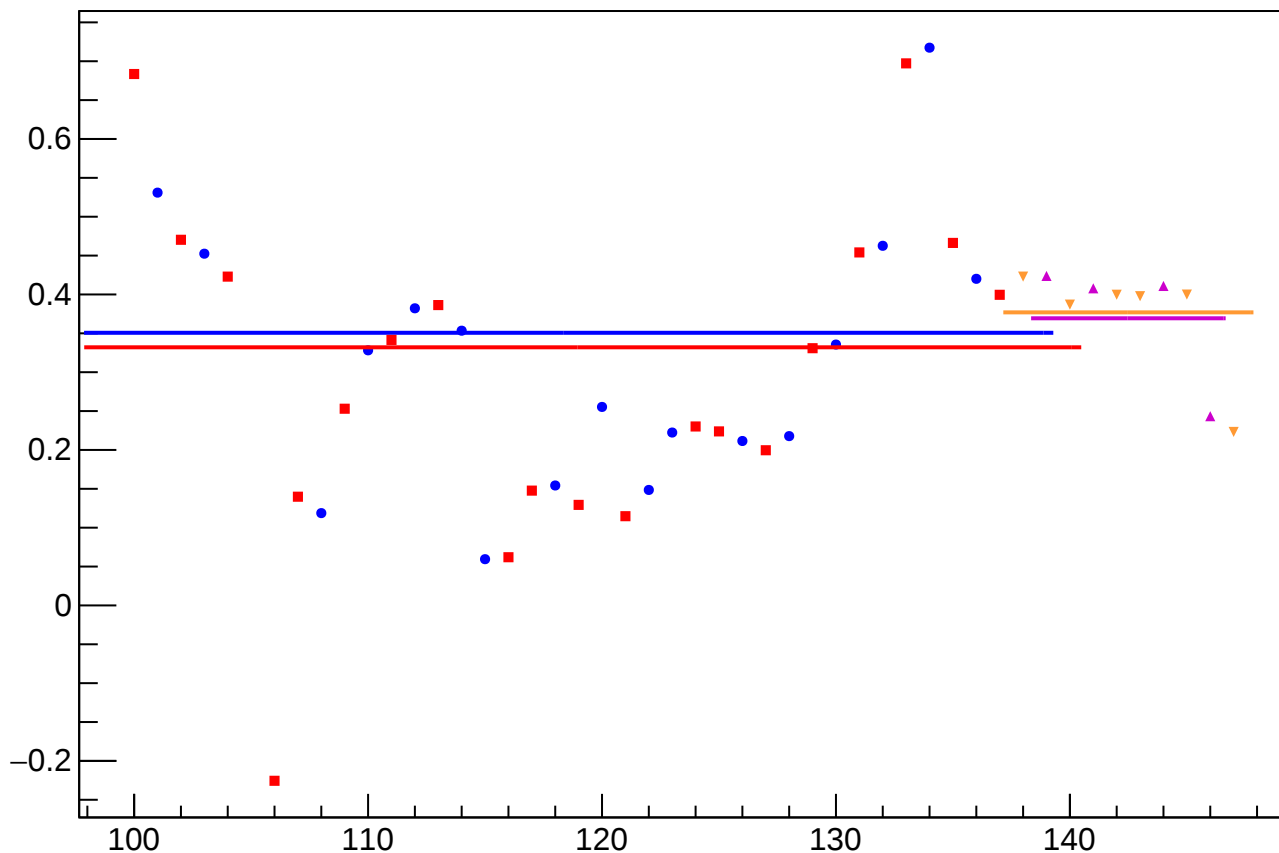
Left In: 0.005+/-0.000 χ^2/NDF : 18090.3/3

0.005+/-0.000 χ^2/NDF : 690295.4/22

0.005+/-0.000 χ^2/NDF : 1126500.6/46

0.005+/-0.000 χ^2/NDF : 435405.6/23

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.351+/-0.000 χ^2/NDF : 7410859446.3/16

Left Out: 0.377+/-0.000 χ^2/NDF : 1125993617.8/5

Right Out: 0.332+/-0.000 χ^2/NDF : 11800695210.2/19

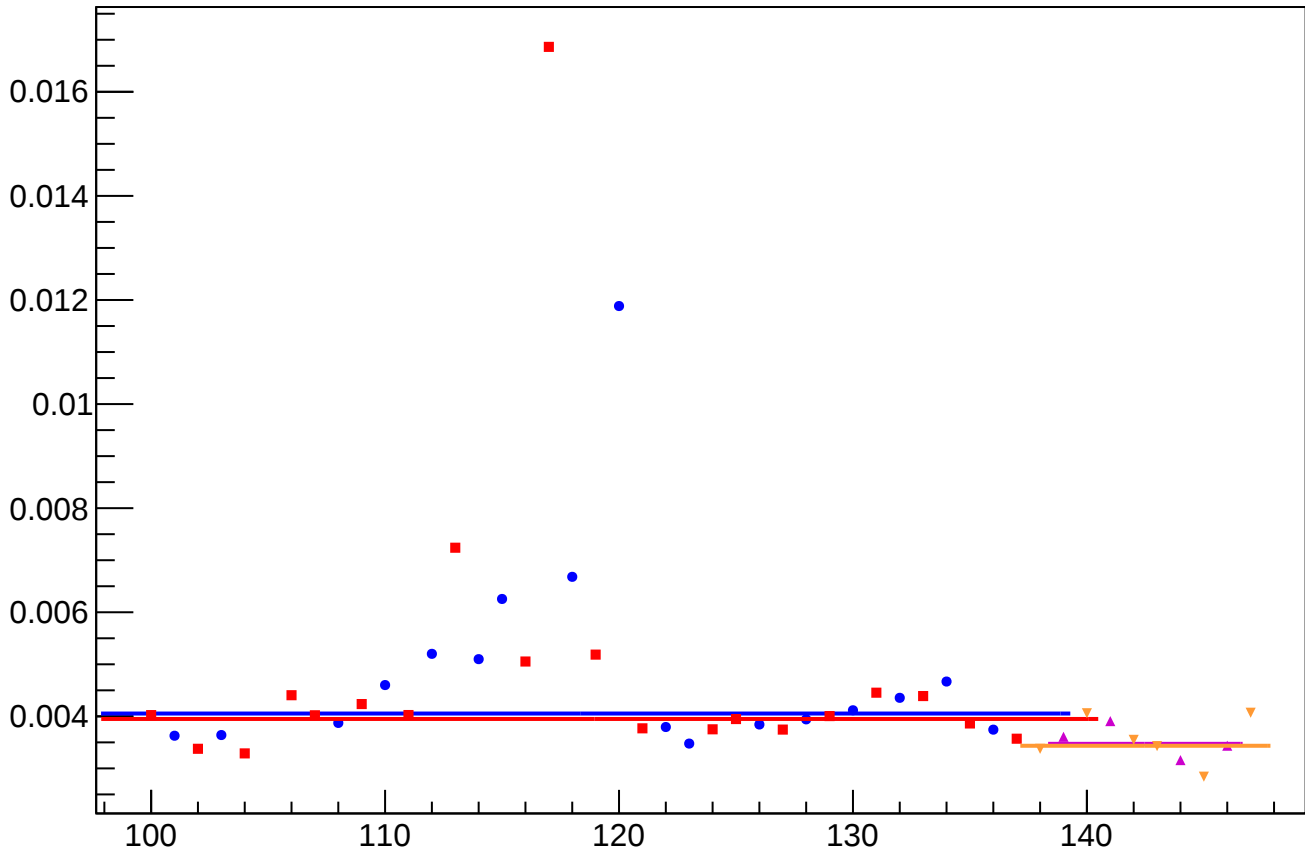
Left In: 0.369+/-0.000 χ^2/NDF : 1223628691.1/3

0.362+/-0.000 χ^2/NDF : 8644137342.3/22

0.354+/-0.000 χ^2/NDF : 21955403007.7/4

0.345+/-0.000 χ^2/NDF : 13220655441.8/23

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 455318.3/16

Left Out: 0.003+/-0.000 χ^2/NDF :122419.2/5

Right Out: 0.004+/-0.000 χ^2/NDF : 304954.7/19

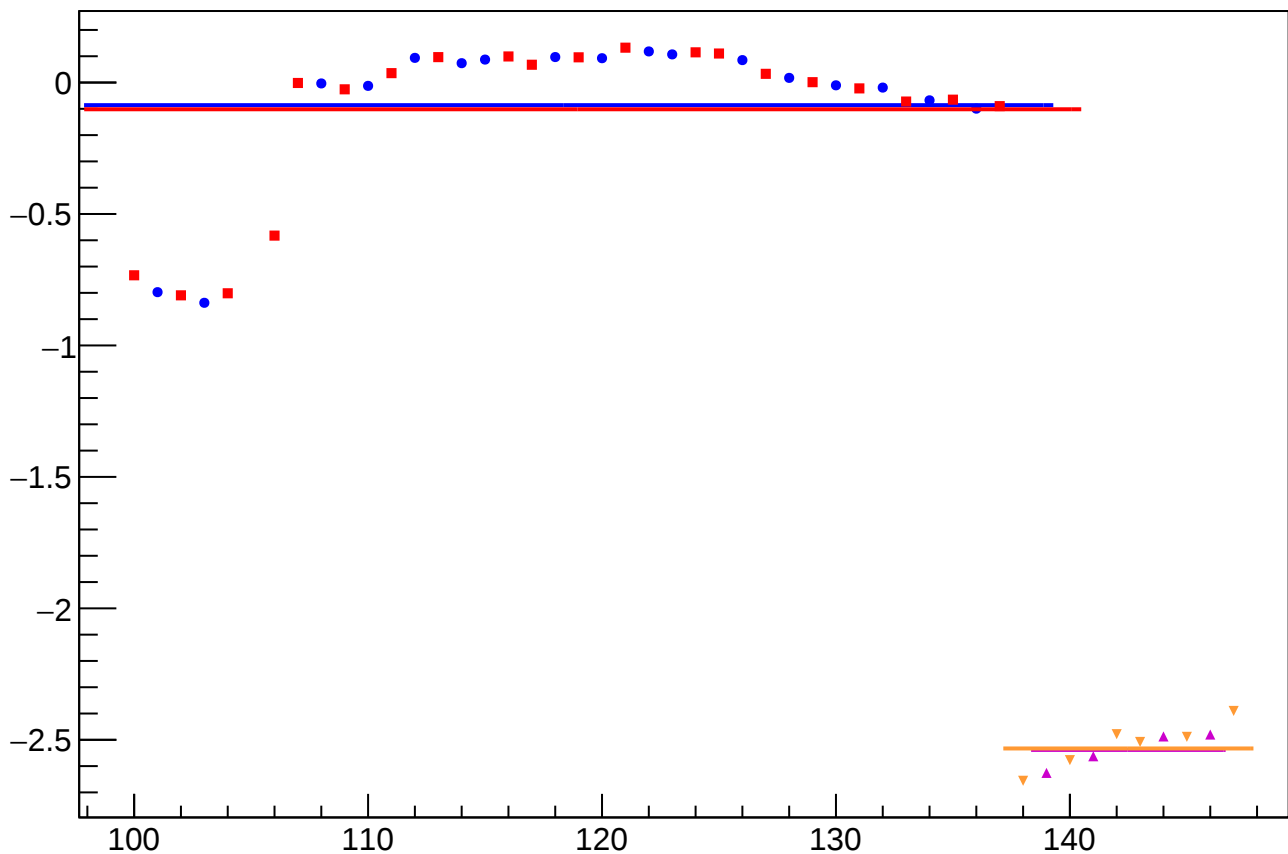
Left In: 0.003+/-0.000 χ^2/NDF :33955.0/3

0.004+/-0.000 χ^2/NDF : 697084.0/22

0.004+/-0.000 χ^2/NDF : 1100413.1/46

0.004+/-0.000 χ^2/NDF : 403325.9/23

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.533+/-0.000 χ^2/NDF : 138306751.6/5

Right Out: -0.102+/-0.000 χ^2/NDF : 5566142794.2/19

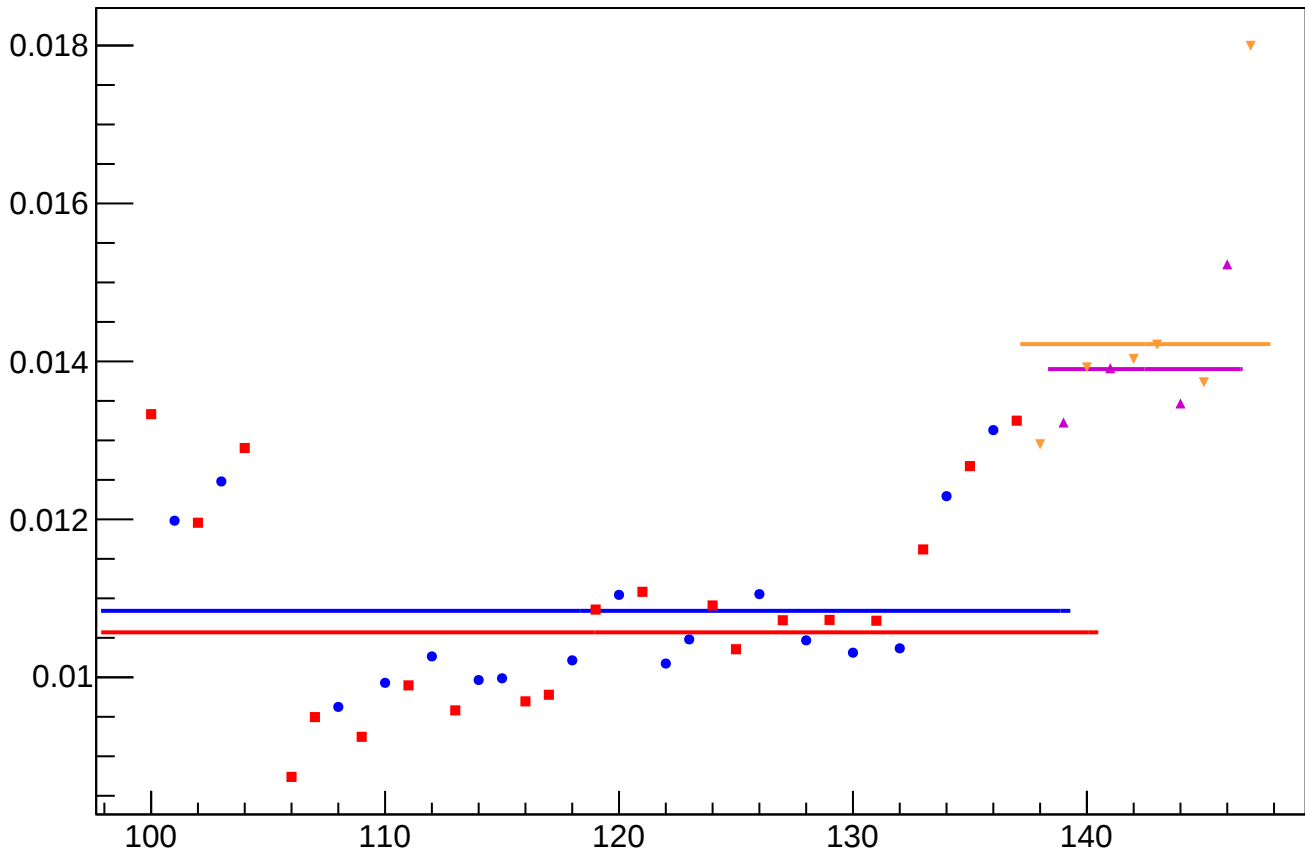
Left In: -2.538+/-0.000 χ^2/NDF : 56344158.4/3

-0.724+/-0.000 χ^2/NDF : 93334143231.0/22

-0.663+/-0.000 χ^2/NDF : 176805729020.2

-0.604+/-0.000 χ^2/NDF : 82904921328.1/23

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.014+/-0.000 χ^2/NDF :85102.0/5

Right Out: 0.011+/-0.000 χ^2/NDF : 179537.7/19

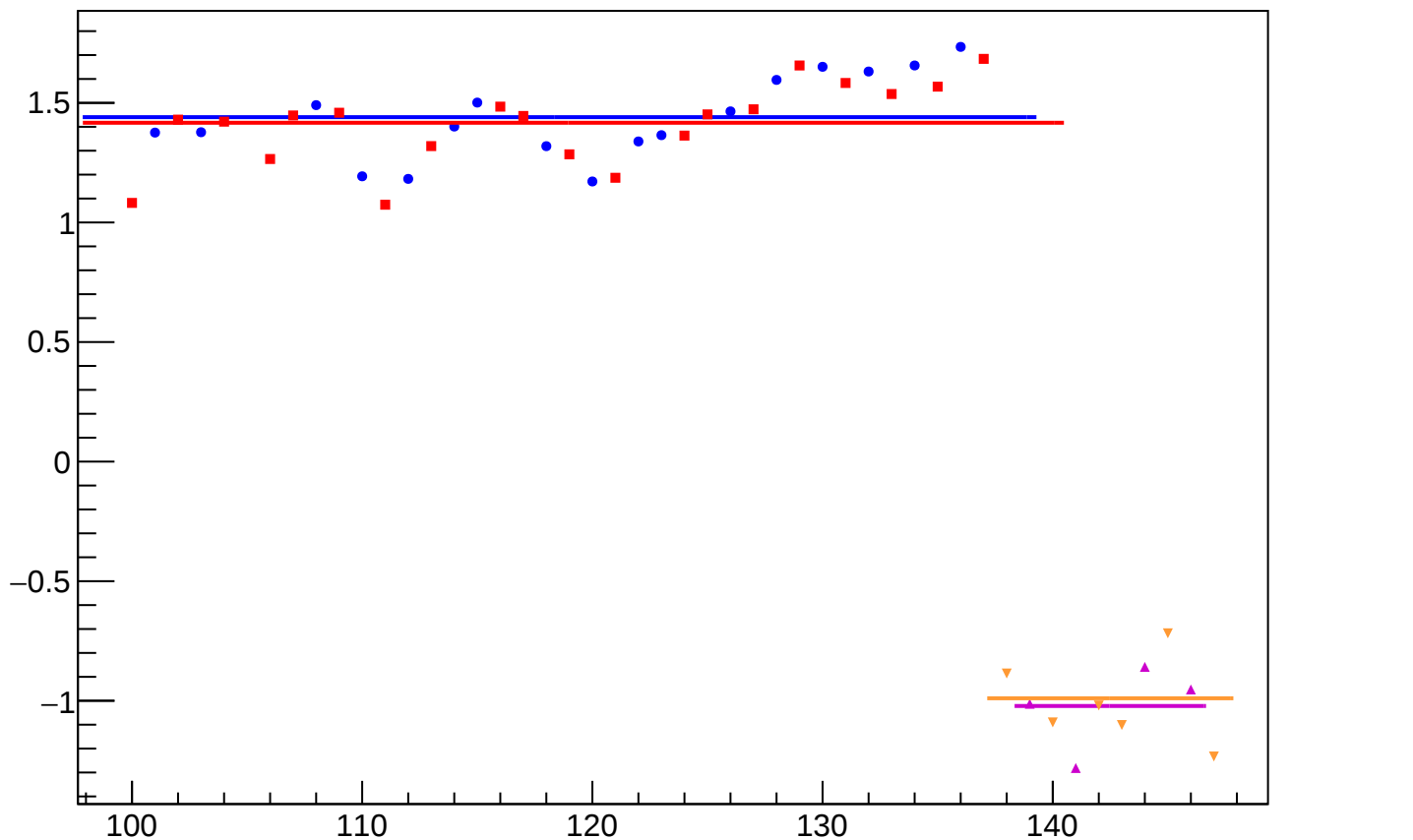
Left In: 0.014+/-0.000 χ^2/NDF :17565.0/3

0.012+/-0.000 χ^2/NDF : 545374.0/22

0.011+/-0.000 χ^2/NDF : 1048668.5/46

0.011+/-0.000 χ^2/NDF : 486332.4/23

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.440 ± 0.000 χ^2/NDF : 3449252780.8/16

Left Out: -0.990 ± 0.000 χ^2/NDF : 1056447215.7/5

Right Out: 1.417 ± 0.000 χ^2/NDF : 2674679406.4/19

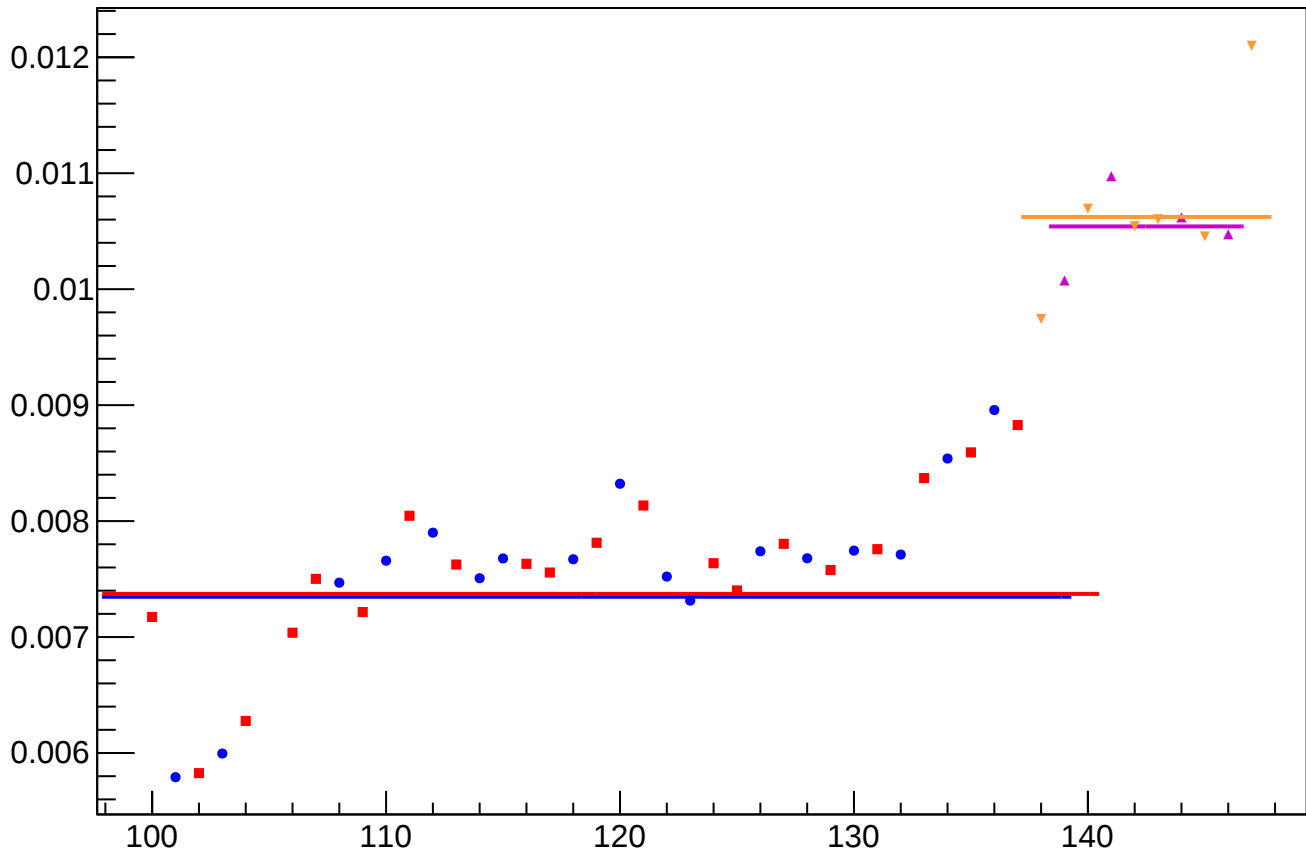
Left In: -1.022 ± 0.000 χ^2/NDF : 708469412.8/3

0.885 ± 0.000 χ^2/NDF : 169077466870.8/22

0.931 ± 0.000 χ^2/NDF : 312609876798.8/22

0.977 ± 0.000 χ^2/NDF : 142873302118.7/23

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 228163.6/16

Left Out: 0.011+/-0.000 χ^2/NDF : 35709.3/5

Right Out: 0.007+/-0.000 χ^2/NDF : 172741.0/19

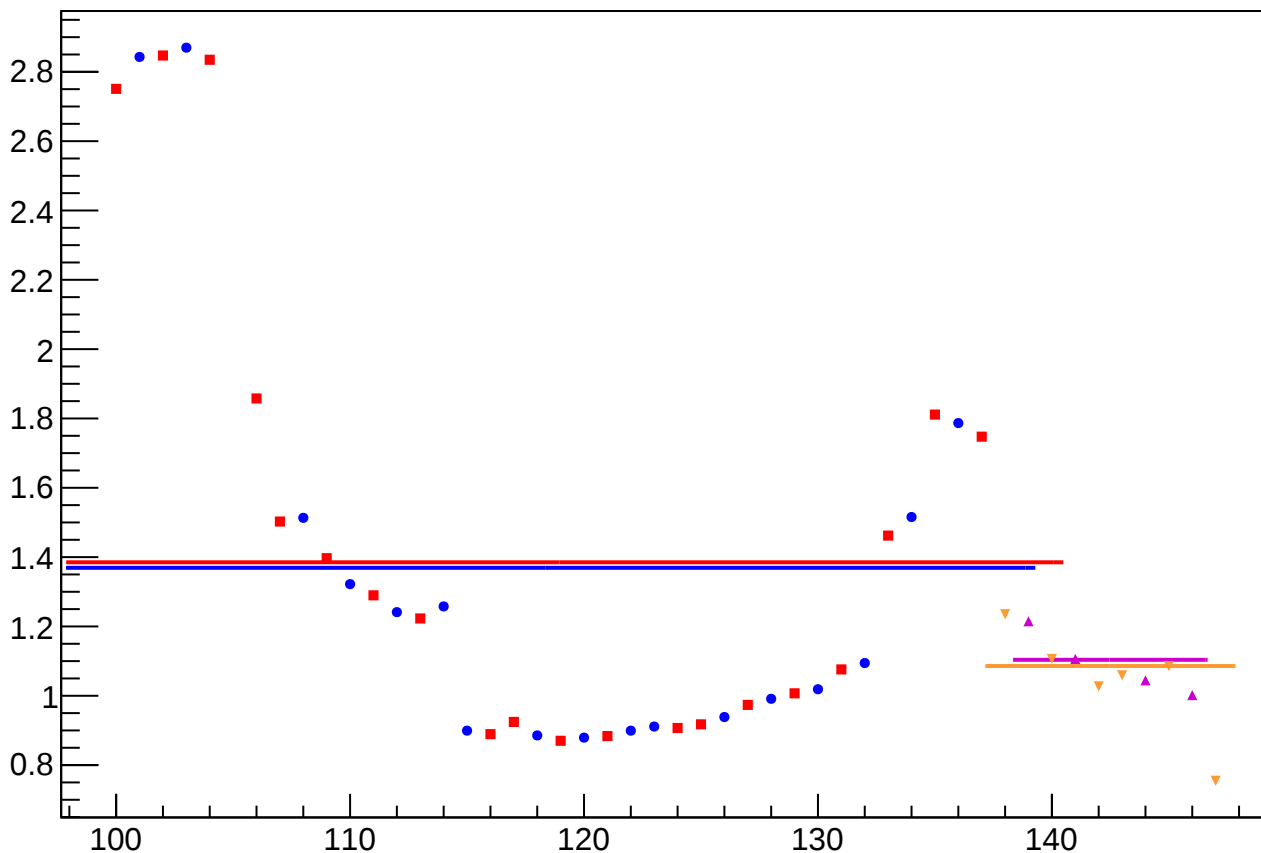
Left In: 0.011+/-0.000 χ^2/NDF : 5683.3/3

0.008+/-0.000 χ^2/NDF : 861815.5/22

0.008+/-0.000 χ^2/NDF : 1514910.9/46

0.008+/-0.000 χ^2/NDF : 649469.3/23

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.369+/-0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.086+/-0.000 χ^2/NDF : 871460152.2/5

Right Out: 1.385+/-0.000 χ^2/NDF : 50114562617.6/19

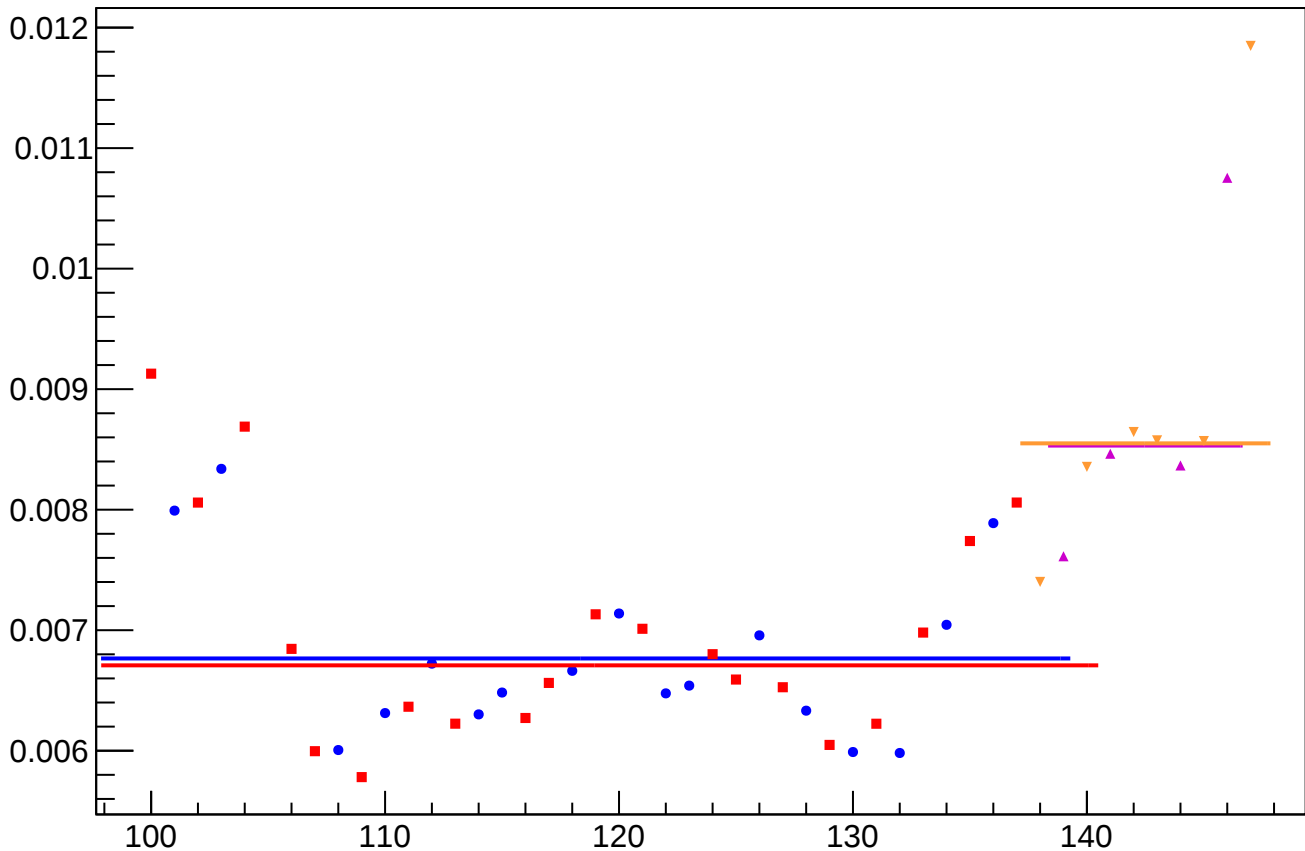
Left In: 1.104+/-0.000 χ^2/NDF : 249024320.1/3

1.293+/-0.000 χ^2/NDF : 58179720486.1/22

1.310+/-0.000 χ^2/NDF : 111238557135.7/

1.326+/-0.000 χ^2/NDF : 52952191311.7/23

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 159554.9/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:144424.8/5

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 187869.7/19

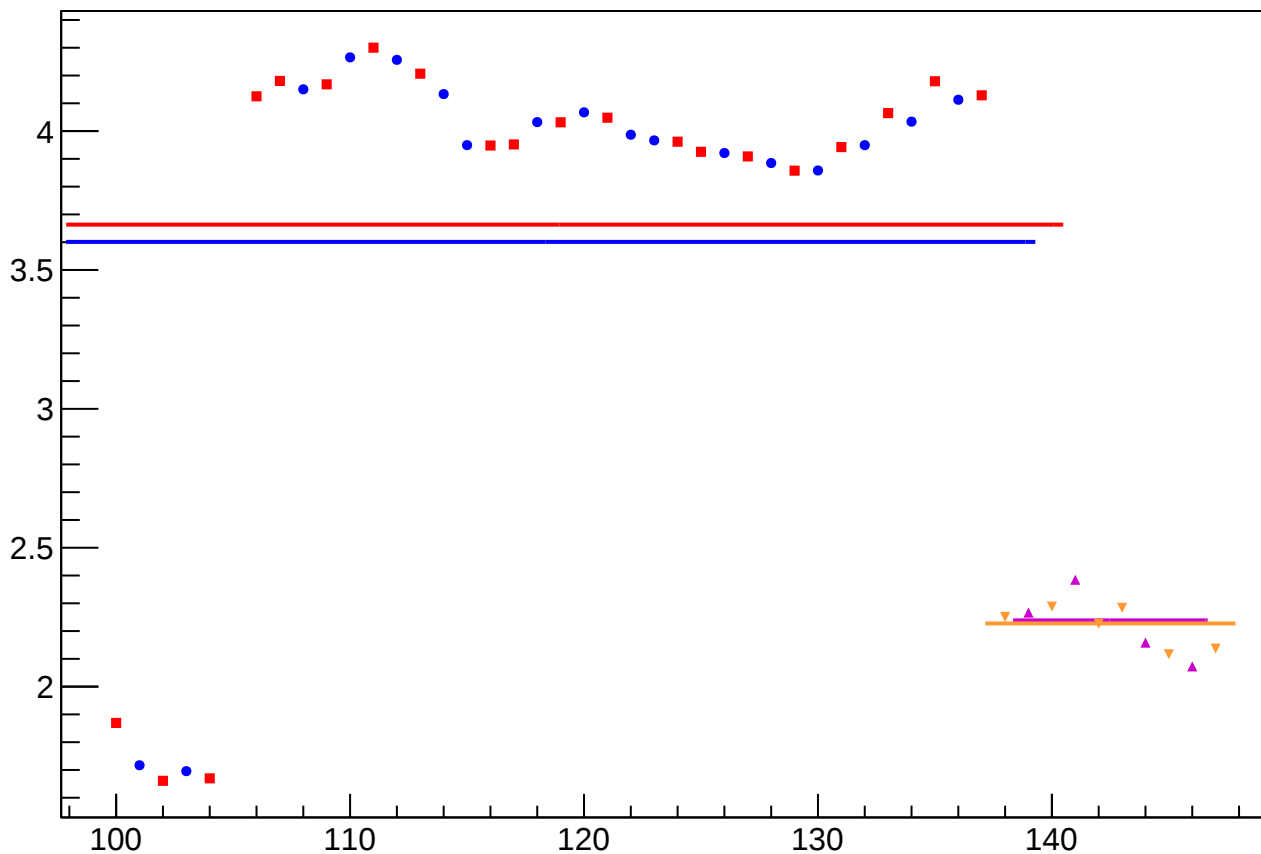
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:80335.9/3

0.007 $\pm$ 0.000 χ^2 /NDF: 550096.1/22

0.007 $\pm$ 0.000 χ^2 /NDF: 1040529.7/46

0.007 $\pm$ 0.000 χ^2 /NDF: 485792.7/23

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.601 $\pm$ 0.000 χ^2 /NDF: 185806937655.3/16

Left Out: 2.227 $\pm$ 0.000 χ^2 /NDF: 289349914.2/5

3.278 $\pm$ 0.000 χ^2 /NDF: 281956868641.1/22

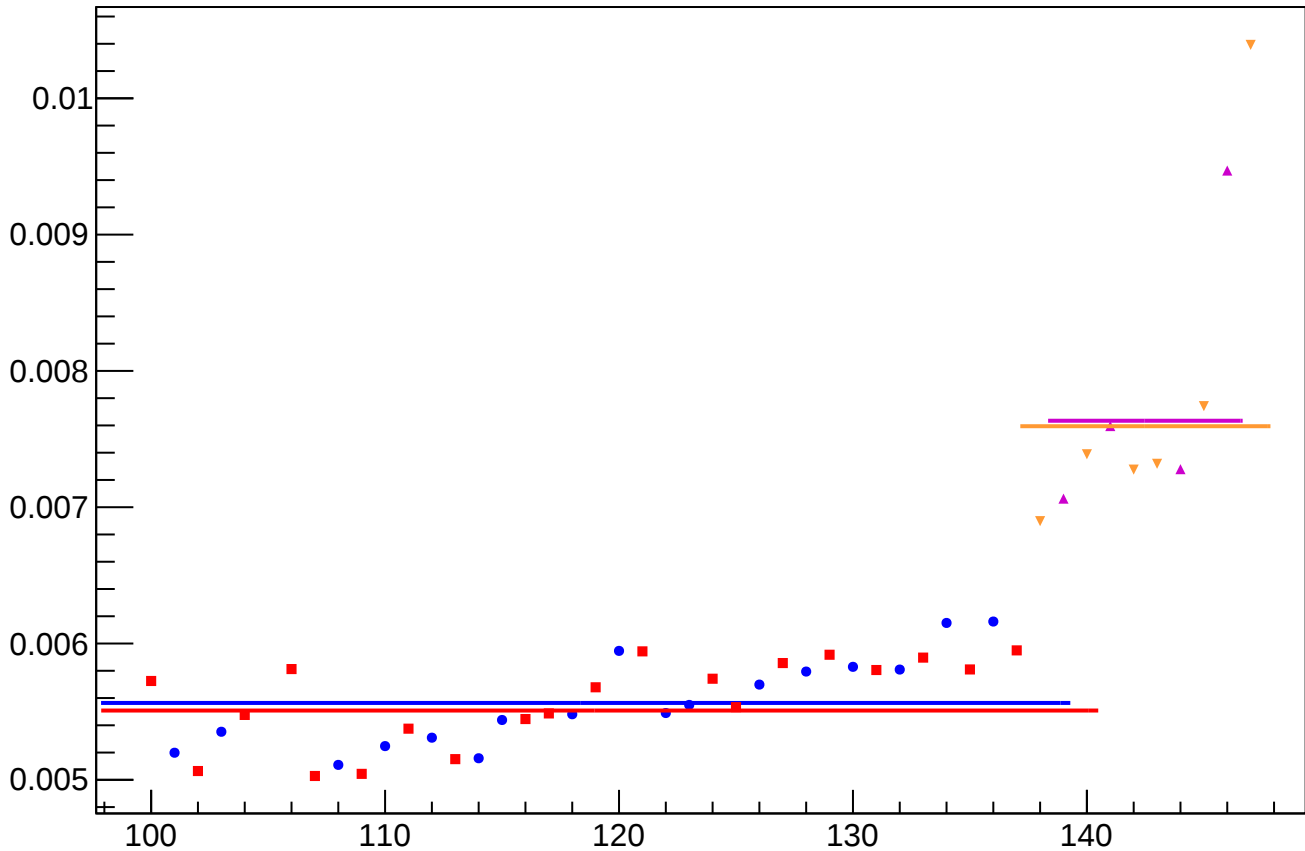
Right Out: 3.663 $\pm$ 0.000 χ^2 /NDF: 192640409625.9/19

3.341 $\pm$ 0.000 χ^2 /NDF: 562807155337.5/19

3.404 $\pm$ 0.000 χ^2 /NDF: 278624999532.0/23

Left In: 2.239 $\pm$ 0.000 χ^2 /NDF: 630803161.7/3

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 47588.2/16

Left Out: 0.008+/-0.000 χ^2/NDF :117381.2/5

Right Out: 0.006+/-0.000 χ^2/NDF : 52636.1/19

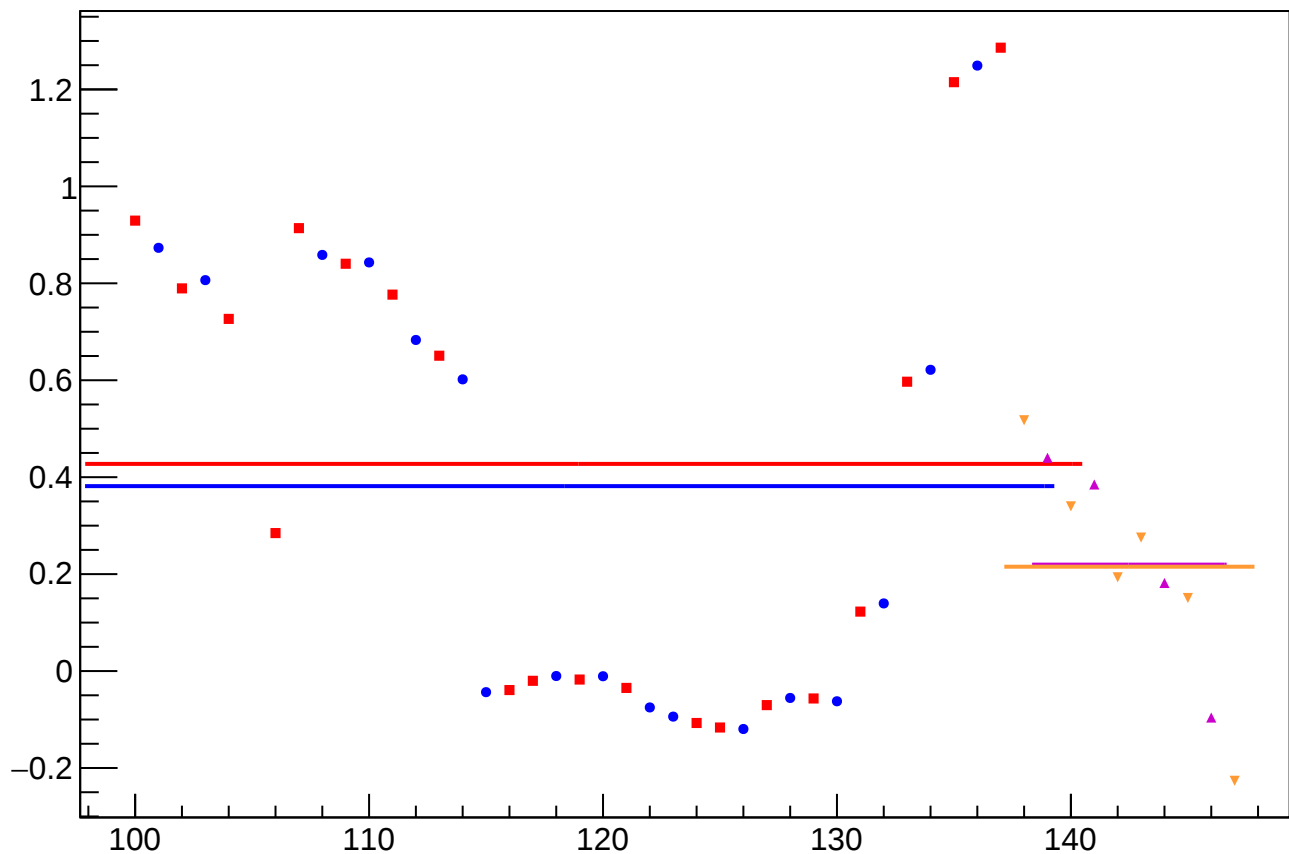
Left In: 0.008+/-0.000 χ^2/NDF :63920.0/3

0.006+/-0.000 χ^2/NDF : 583717.3/22

0.006+/-0.000 χ^2/NDF : 1086439.4/46

0.006+/-0.000 χ^2/NDF : 496727.5/23

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.382 $\pm$ 0.000 χ^2/NDF : 7124759123.1/16

Left Out: 0.215 $\pm$ 0.000 χ^2/NDF : 836352413.8/5

Right Out: 0.427 $\pm$ 0.000 χ^2/NDF : 6716521382.4/19

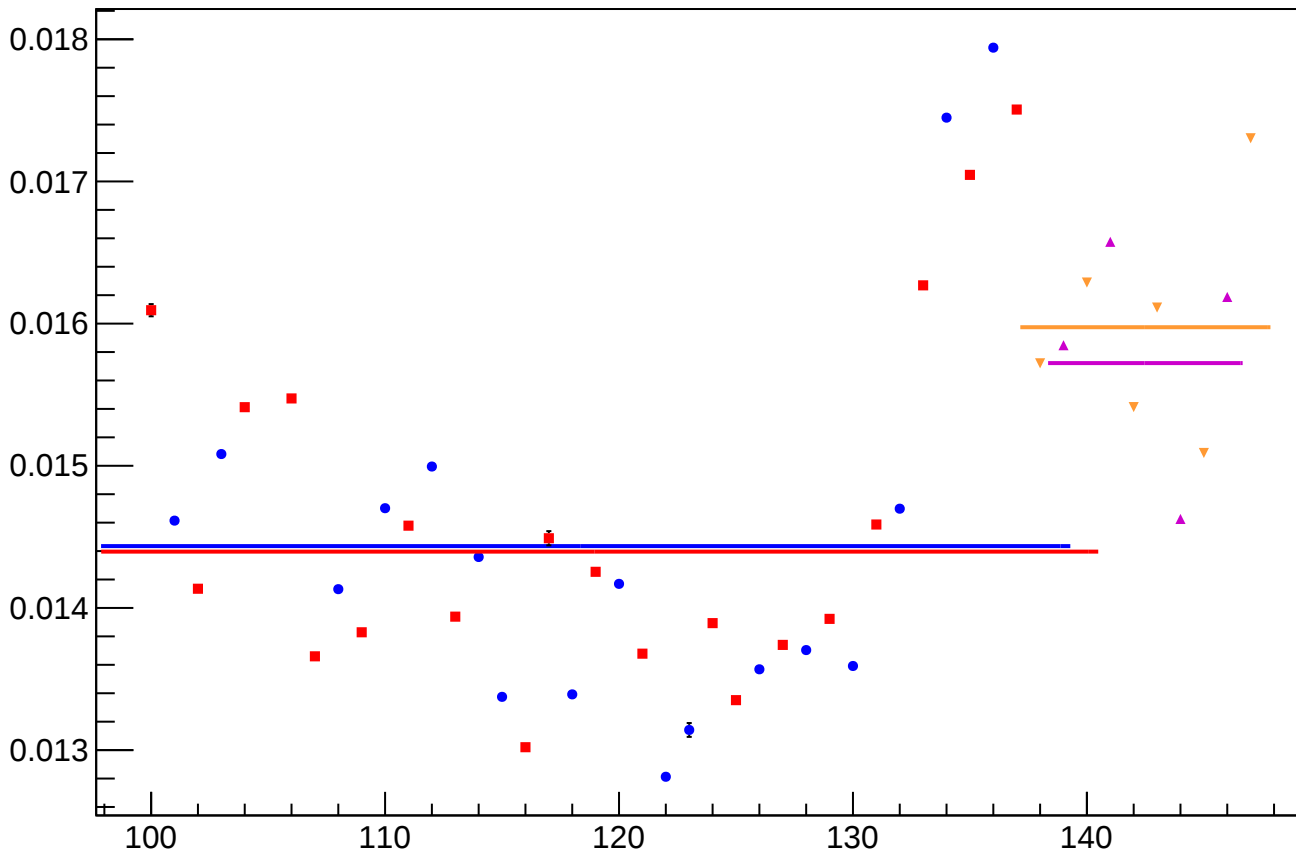
Left In: 0.220 $\pm$ 0.000 χ^2/NDF : 519955613.9/3

0.326 $\pm$ 0.000 χ^2/NDF : 8253047413.0/22

0.348 $\pm$ 0.000 χ^2/NDF : 15934493365.4/4

0.370 $\pm$ 0.000 χ^2/NDF : 7635674621.8/23

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 110224.4/16

Left Out: 0.016 $\pm$ 0.000 χ^2/NDF : 16423.1/5

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 74535.1/19

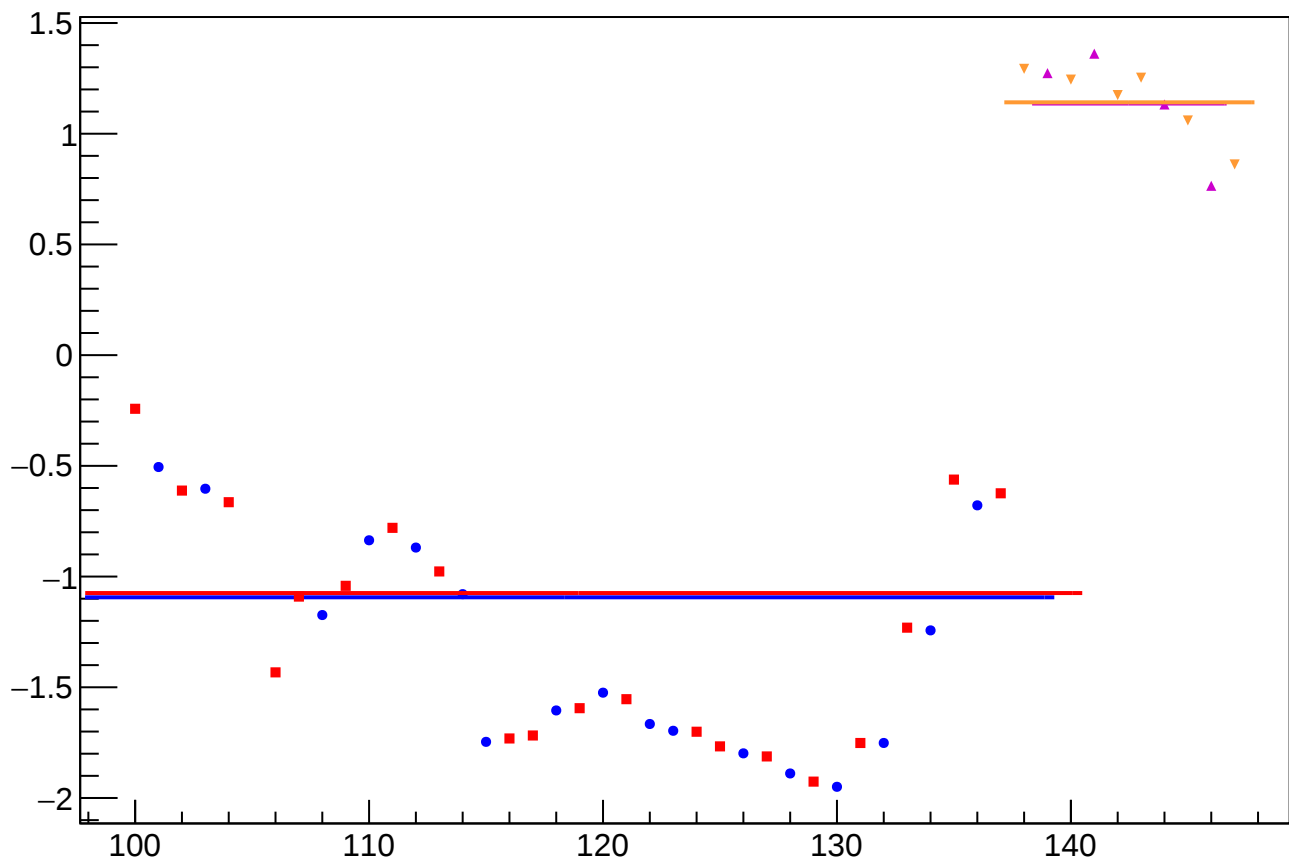
Left In: 0.016 $\pm$ 0.000 χ^2/NDF : 15379.9/3

0.015 $\pm$ 0.000 χ^2/NDF : 176722.7/22

0.015 $\pm$ 0.000 χ^2/NDF : 300782.8/46

0.015 $\pm$ 0.000 χ^2/NDF : 122419.3/23

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.094 $\pm$ 0.000 χ^2/NDF : 55960104370.4/16

Left Out: 1.142 $\pm$ 0.000 χ^2/NDF : 5955264371.9/5

Right Out: -1.074 $\pm$ 0.000 χ^2/NDF : 47208439320.8/19

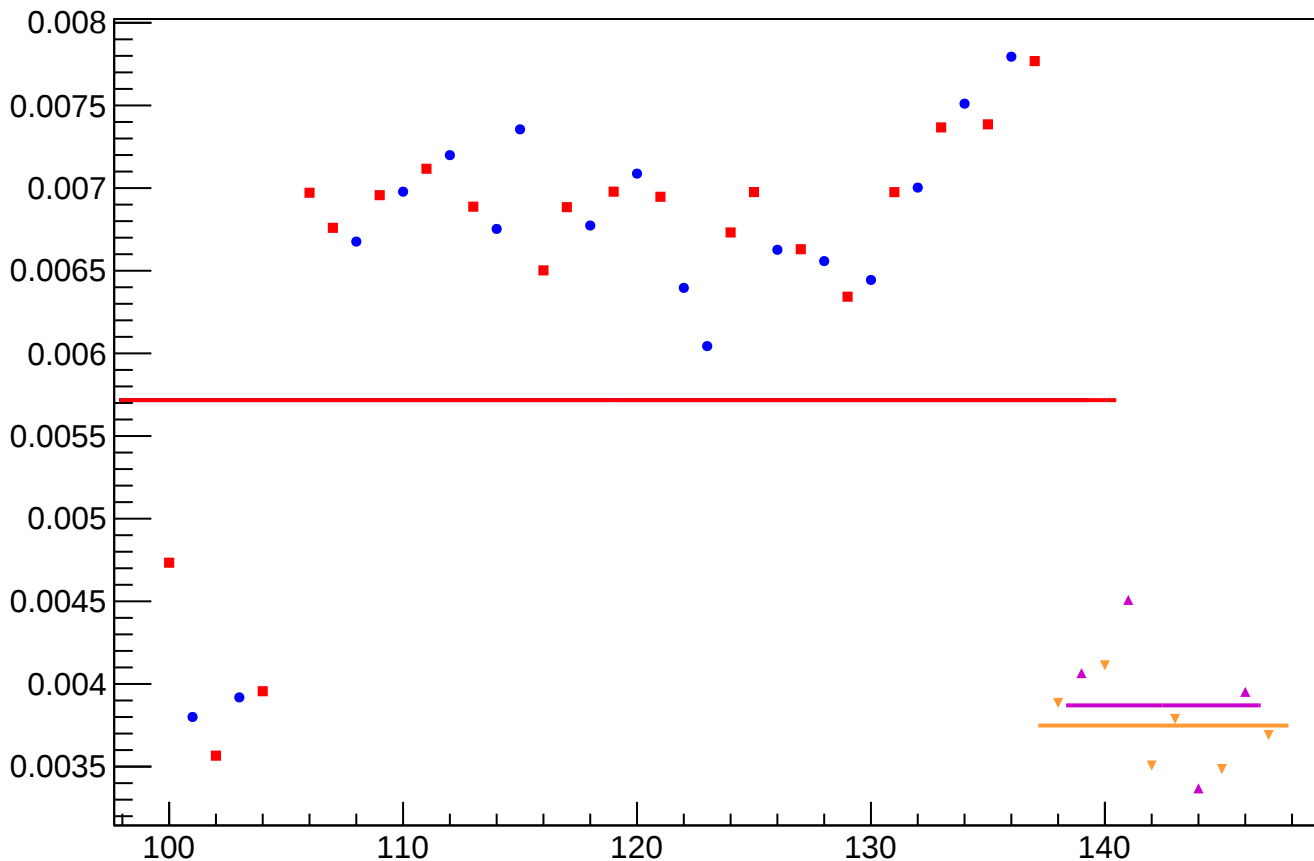
Left In: 1.136 $\pm$ 0.000 χ^2/NDF : 7884663691.9/3

0.225 $\pm$ 0.000 χ^2/NDF : 597373796536.4/22

0.132 $\pm$ 0.000 χ^2/NDF : 1120625689788.5

0.022 $\pm$ 0.000 χ^2/NDF : 514914325647.7/23

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 837775.0/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 25369.4/5

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 925957.4/19

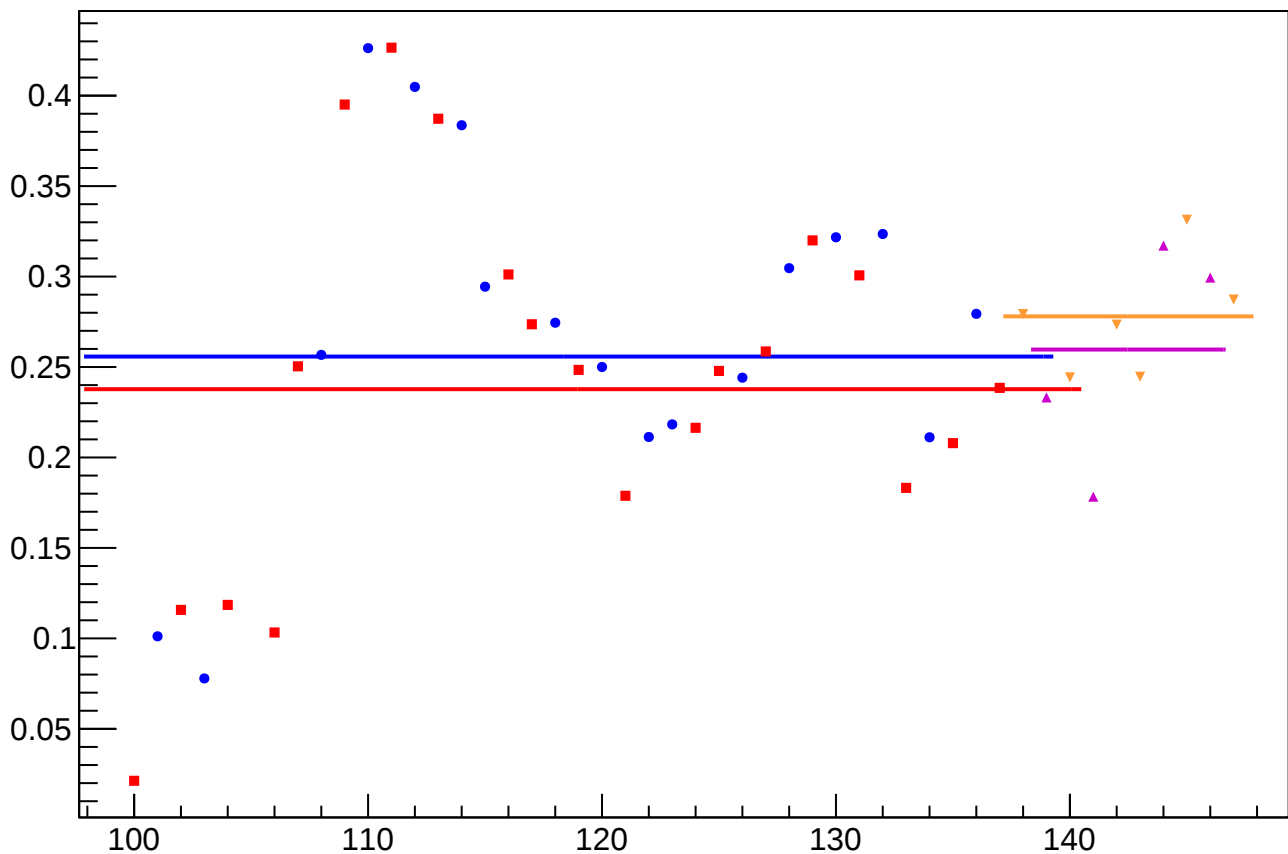
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF: 71114.3/3

0.005 $\pm$ 0.000 χ^2 /NDF: 1693993.2/22

0.005 $\pm$ 0.000 χ^2 /NDF: 3357105.4/46

0.005 $\pm$ 0.000 χ^2 /NDF: 1638727.5/23

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.256 $\pm$ 0.000 χ^2 /NDF: 21365489849.4/16

Left Out: 0.278 $\pm$ 0.000 χ^2 /NDF:1449440613.2/5

Right Out: 0.238 $\pm$ 0.000 χ^2 /NDF: 26077768189.7/19

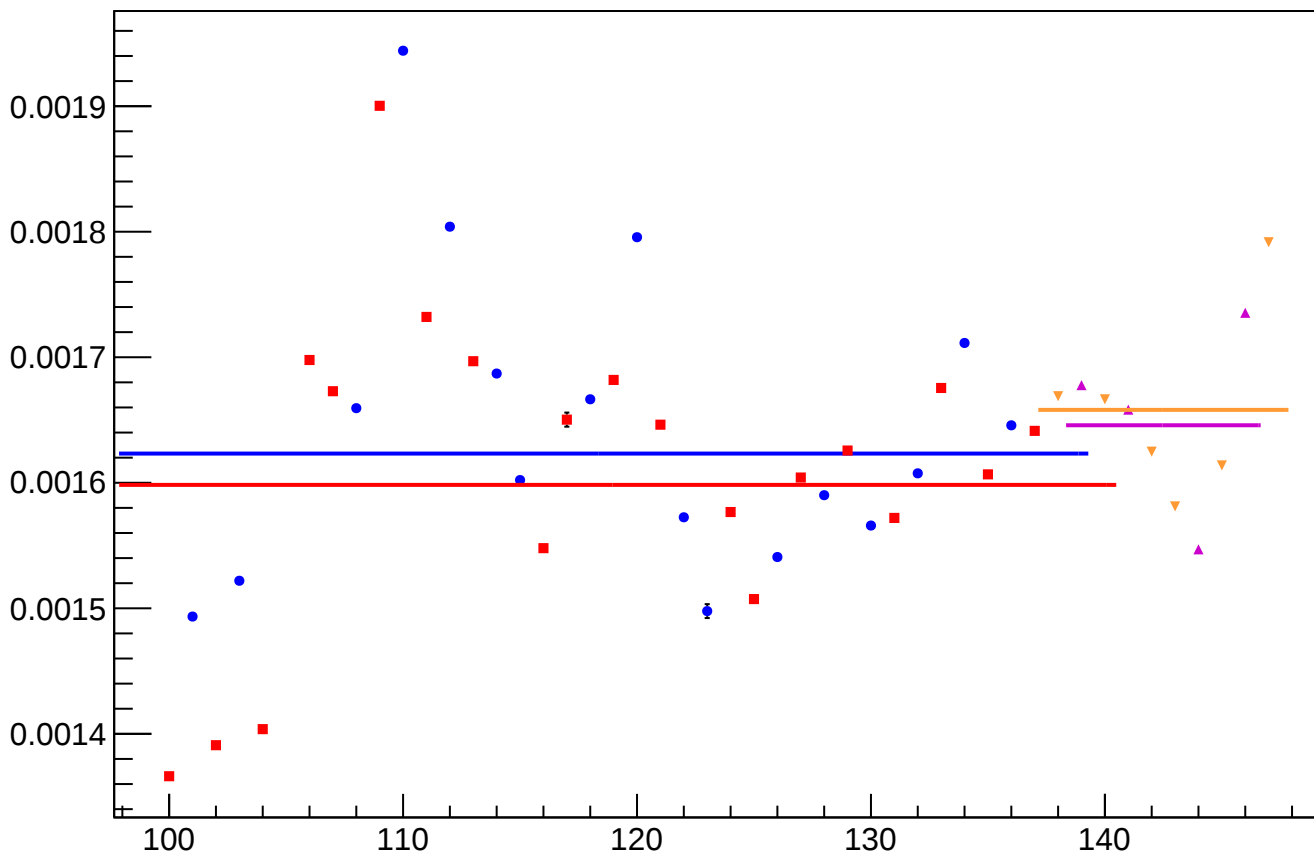
Left In: 0.260 $\pm$ 0.000 χ^2 /NDF:3787221535.1/3

0.264 $\pm$ 0.000 χ^2 /NDF: 23268360220.6/22

0.254 $\pm$ 0.000 χ^2 /NDF: 54295907720.3/4

0.244 $\pm$ 0.000 χ^2 /NDF: 30258246534.4/23

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 :12762.7/5

Right Out: 0.002+/-0.000 χ^2/NDF : 90764.4/19

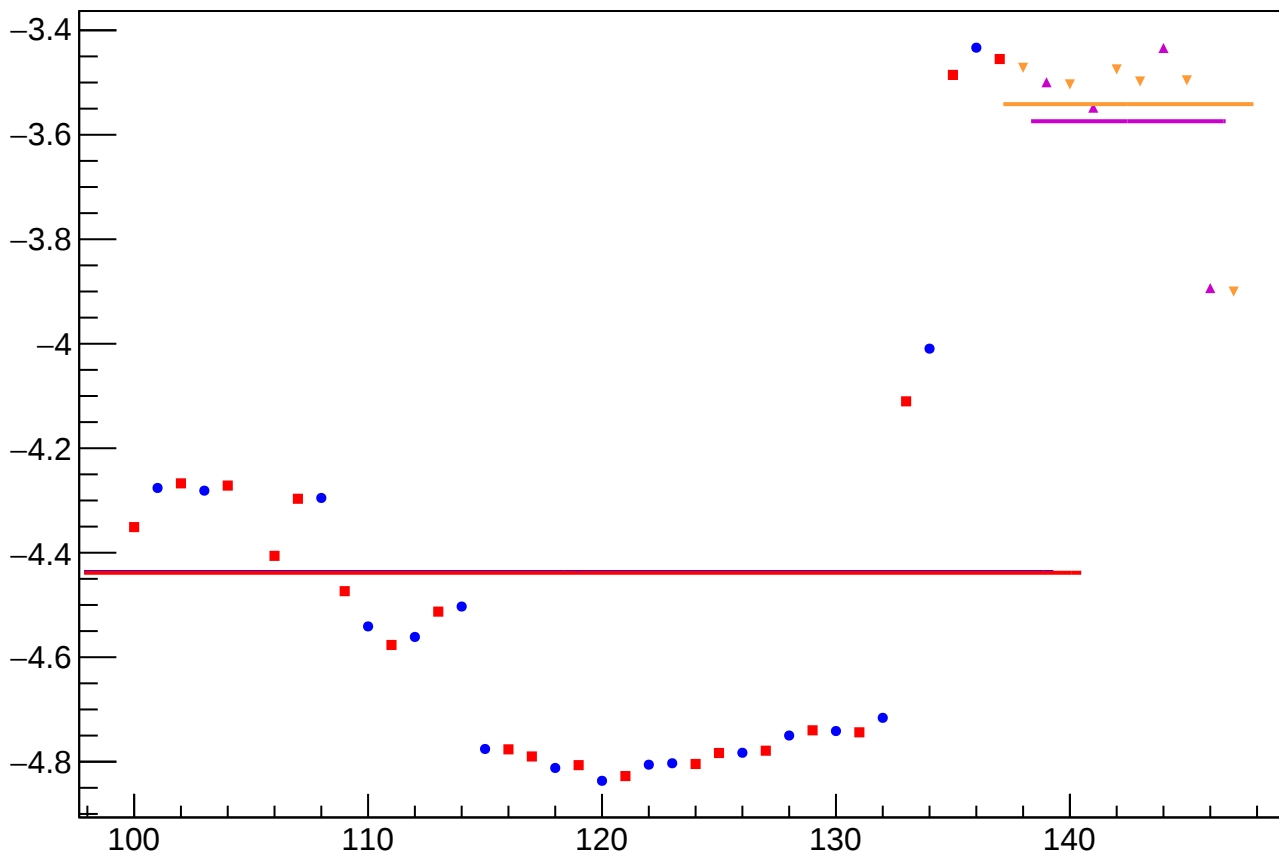
Left In: 0.002+/-0.000 χ^2/NDF :11854.6/3

0.002+/-0.000 χ^2/NDF : 67459.3/22

0.002+/-0.000 χ^2/NDF : 175998.1/46

0.002+/-0.000 χ^2/NDF : 106317.3/23

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.437+/-0.000 χ^2 /NDF: 392812415429.0/16

Left Out: -3.541+/-0.000 χ^2 /NDF: 20060552025.8/5

-4.125+/-0.000 χ^2 /NDF: 971731900643.4/22

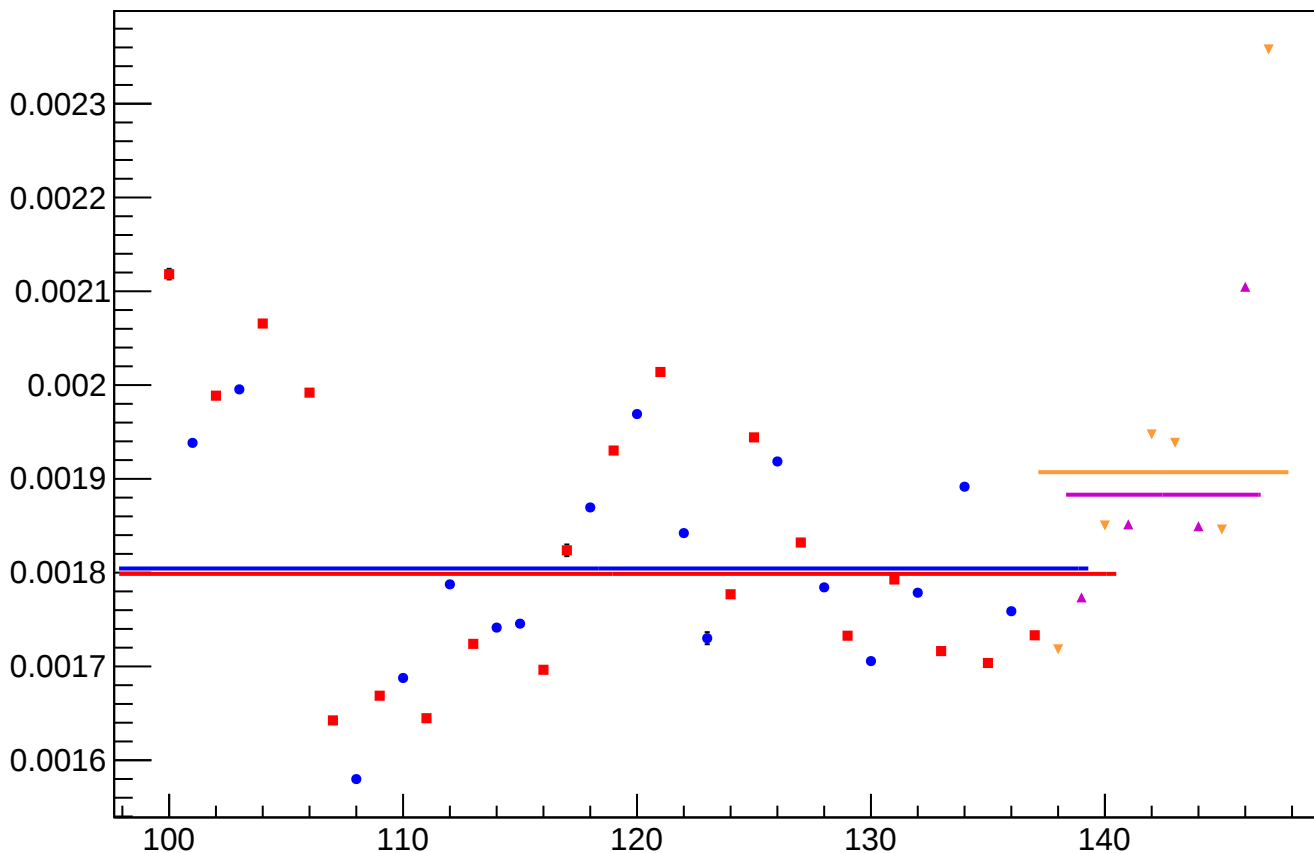
Right Out: -4.438+/-0.000 χ^2 /NDF: 326800745779.7/19

-4.156+/-0.000 χ^2 /NDF: 1791450073338.

-4.188+/-0.000 χ^2 /NDF: 813684978223.5/23

Left In: -3.574+/-0.000 χ^2 /NDF: 24038842332.7/3

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 : 75255.4/5

Right Out: 0.002+/-0.000 χ^2/NDF : 81037.5/19

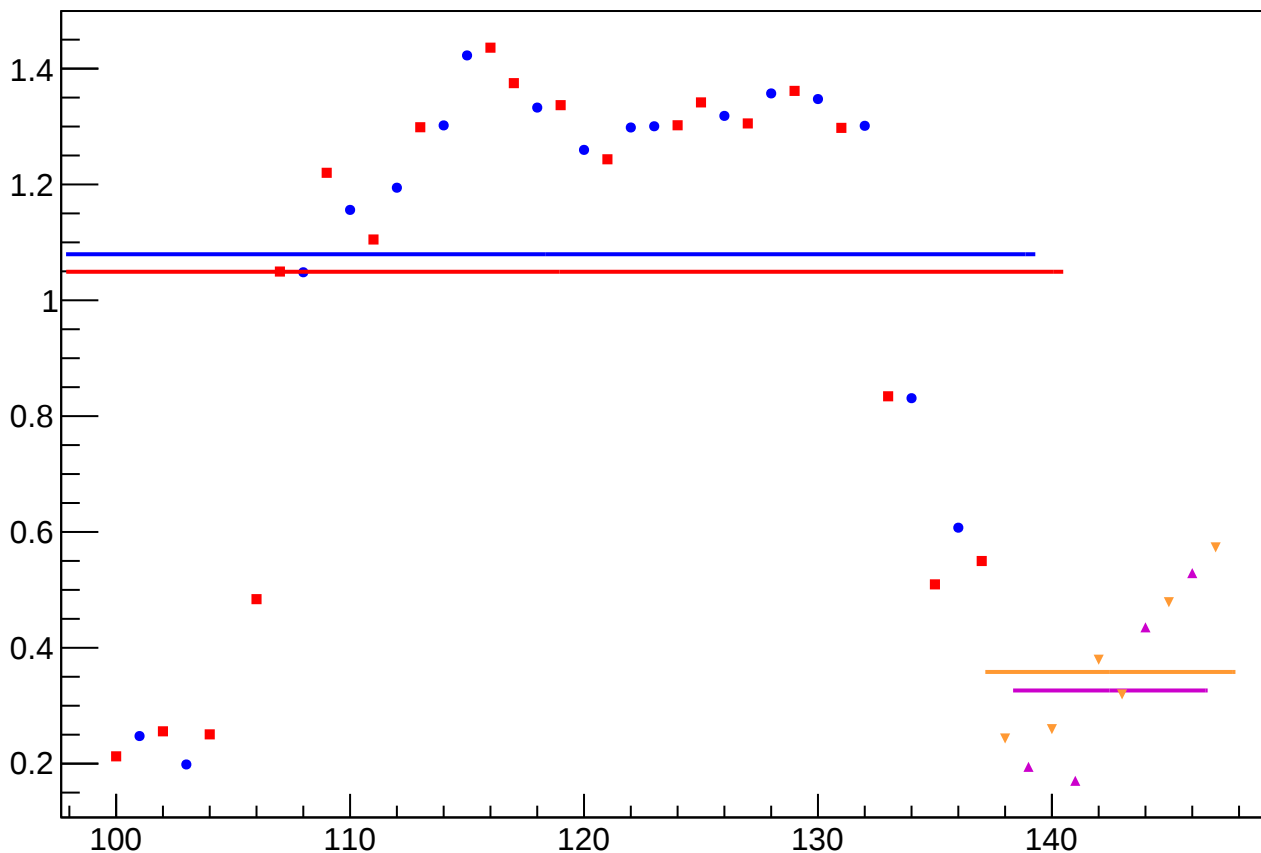
Left In: 0.002+/-0.000 χ^2/NDF : 23389.0/3

0.002+/-0.000 χ^2/NDF : 139043.9/22

0.002+/-0.000 χ^2/NDF : 253187.2/46

0.002+/-0.000 χ^2/NDF : 113257.6/23

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 1.080 $\pm$ 0.000 χ^2 /NDF: 17533321220.5/16

Left Out: 0.358 $\pm$ 0.000 χ^2 /NDF: 502432587.9/5

0.911 $\pm$ 0.000 χ^2 /NDF: 32858395795.2/22

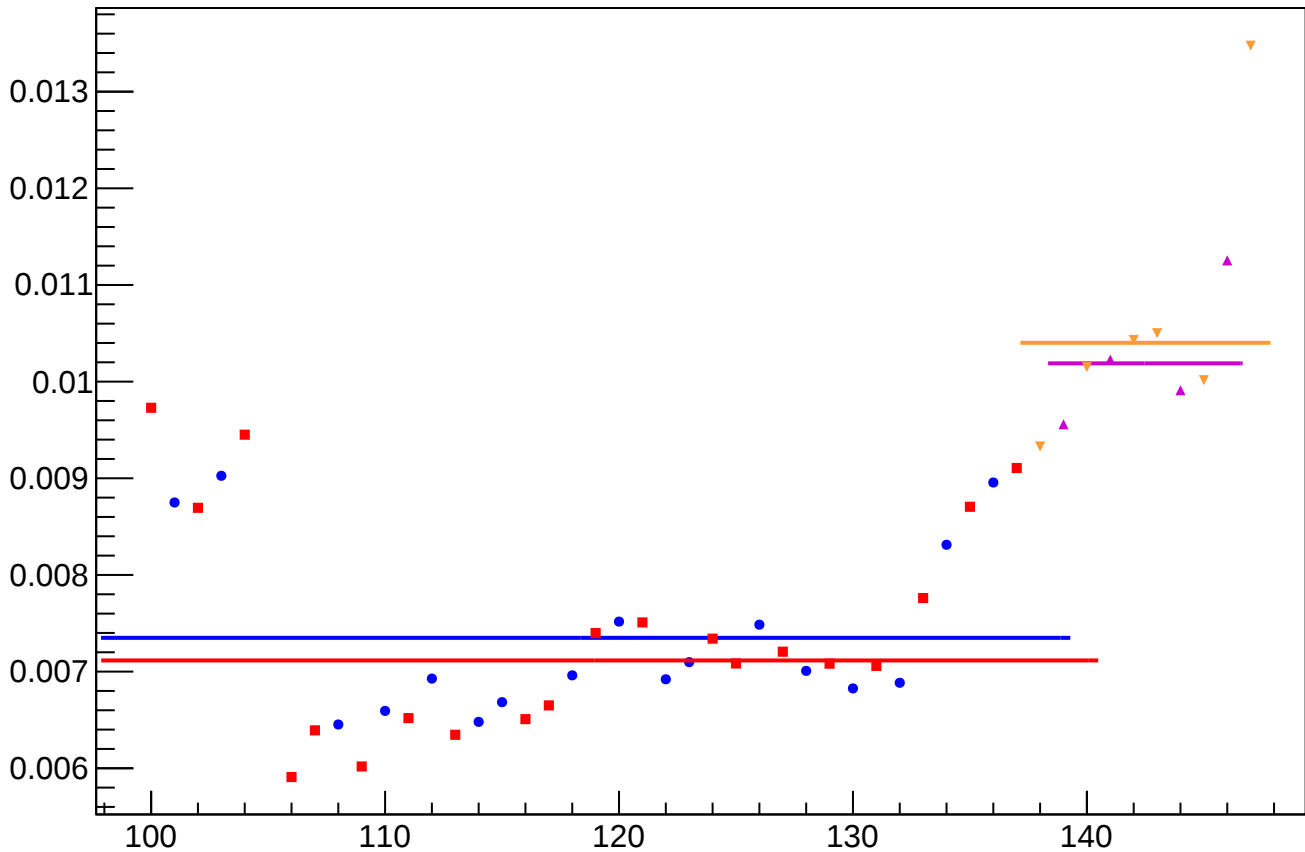
0.915 $\pm$ 0.000 χ^2 /NDF: 66401908894.4/4

Right Out: 1.049 $\pm$ 0.000 χ^2 /NDF: 19787986428.4/19

0.919 $\pm$ 0.000 χ^2 /NDF: 33538954987.3/23

Left In: 0.326 $\pm$ 0.000 χ^2 /NDF: 688652778.3/3

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 180818.7/16

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 103284.2/5

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 259539.3/19

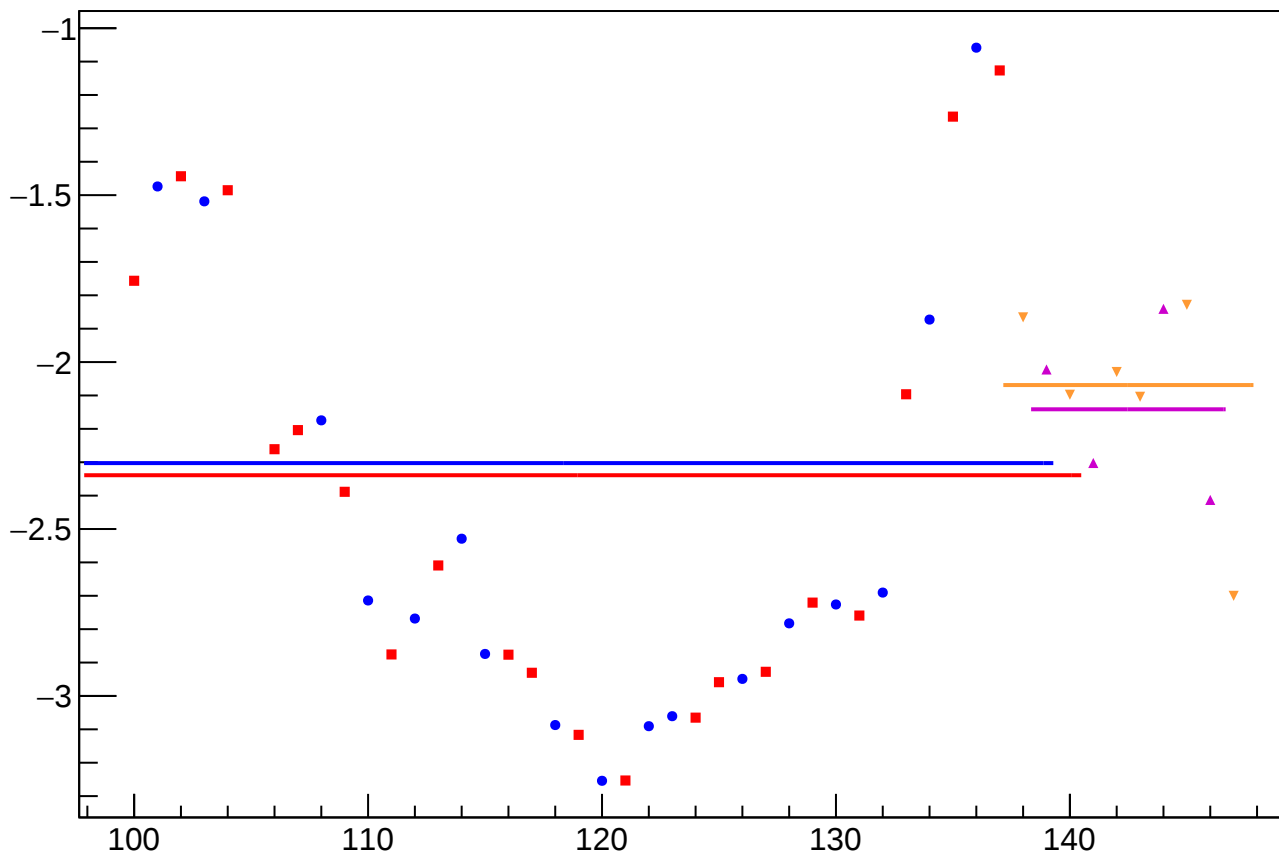
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 21700.1/3

0.008 $\pm$ 0.000 χ^2/NDF : 815143.6/22

0.008 $\pm$ 0.000 χ^2/NDF : 1593707.7/46

0.008 $\pm$ 0.000 χ^2/NDF : 753460.4/23

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.303+/-0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.069+/-0.000 χ^2/NDF : 3577638144.8/5

Right Out: -2.339+/-0.000 χ^2/NDF : 64804828308.5/19

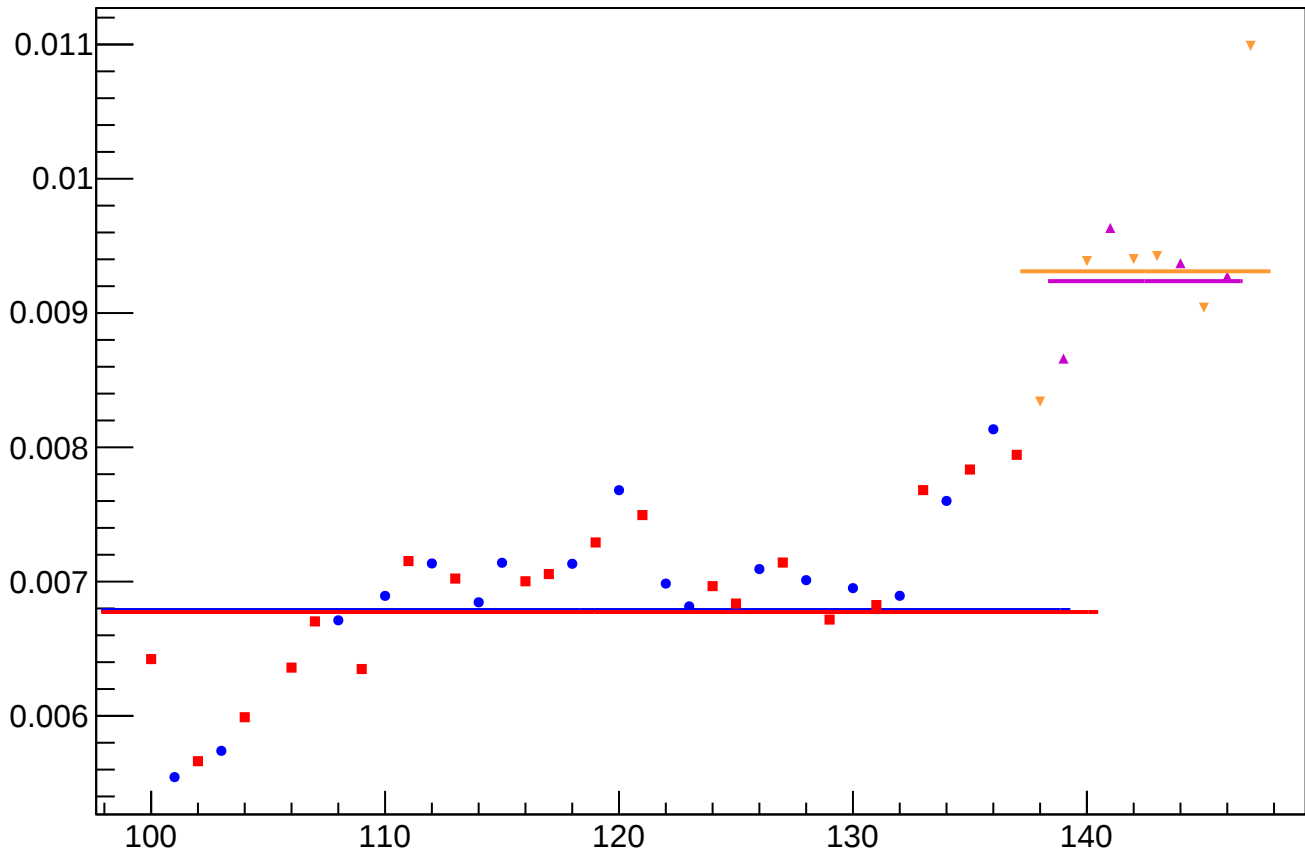
Left In: -2.141+/-0.000 χ^2/NDF : 1941617532.1/3

-2.245+/-0.000 χ^2/NDF : 79267937394.1/22

-2.273+/-0.000 χ^2/NDF : 147480863357.9

-2.301+/-0.000 χ^2/NDF : 67918813063.3/23

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 : 58020.4/5

Right Out: 0.007+/-0.000 χ^2/NDF : 123383.6/19

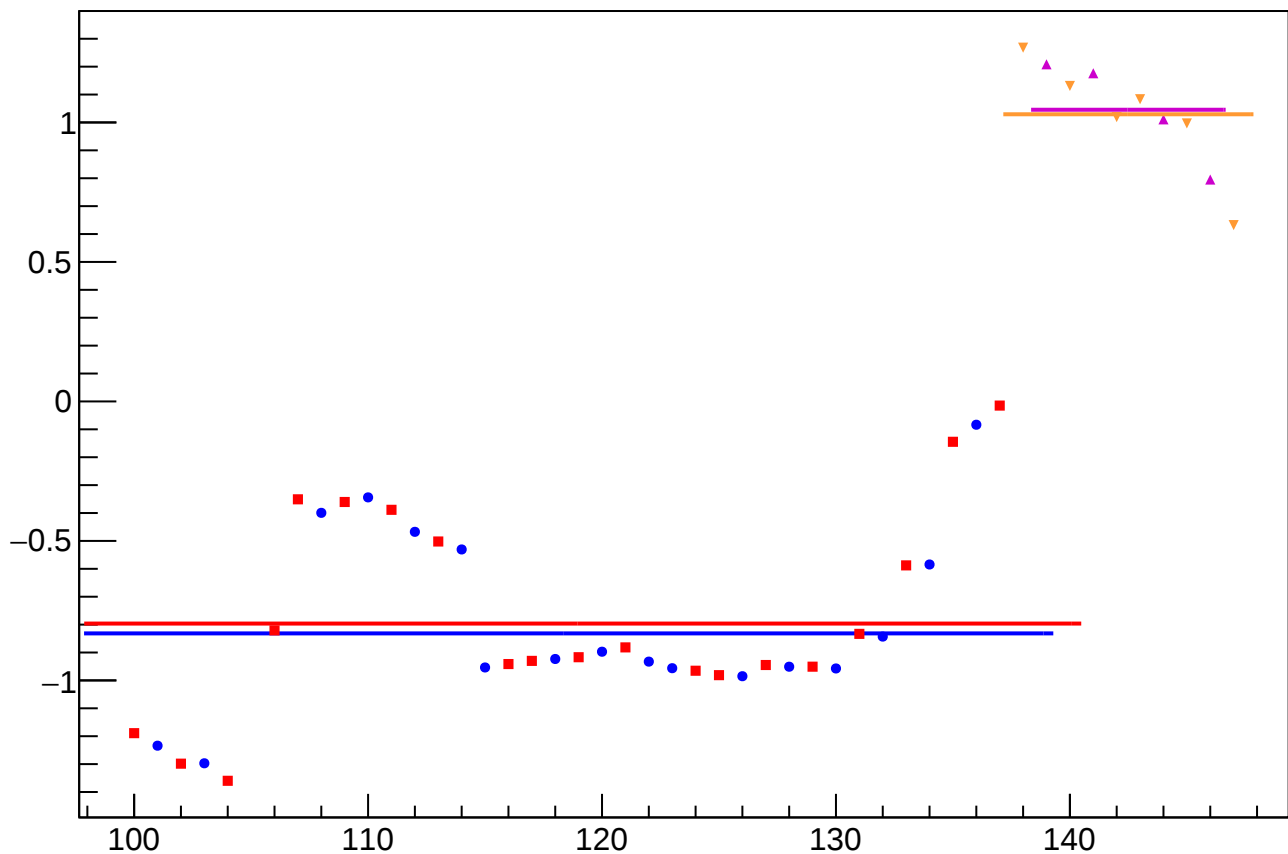
Left In: 0.009+/-0.000 χ^2/NDF : 9247.2/3

0.007+/-0.000 χ^2/NDF : 673773.4/22

0.007+/-0.000 χ^2/NDF : 1176192.5/46

0.007+/-0.000 χ^2/NDF : 497754.9/23

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831 ± 0.000 χ^2/NDF : 6692170860.9/16

Left Out: 1.029 ± 0.000 χ^2/NDF : 988241618.9/5

Right Out: -0.796 ± 0.000 χ^2/NDF : 7827622544.3/19

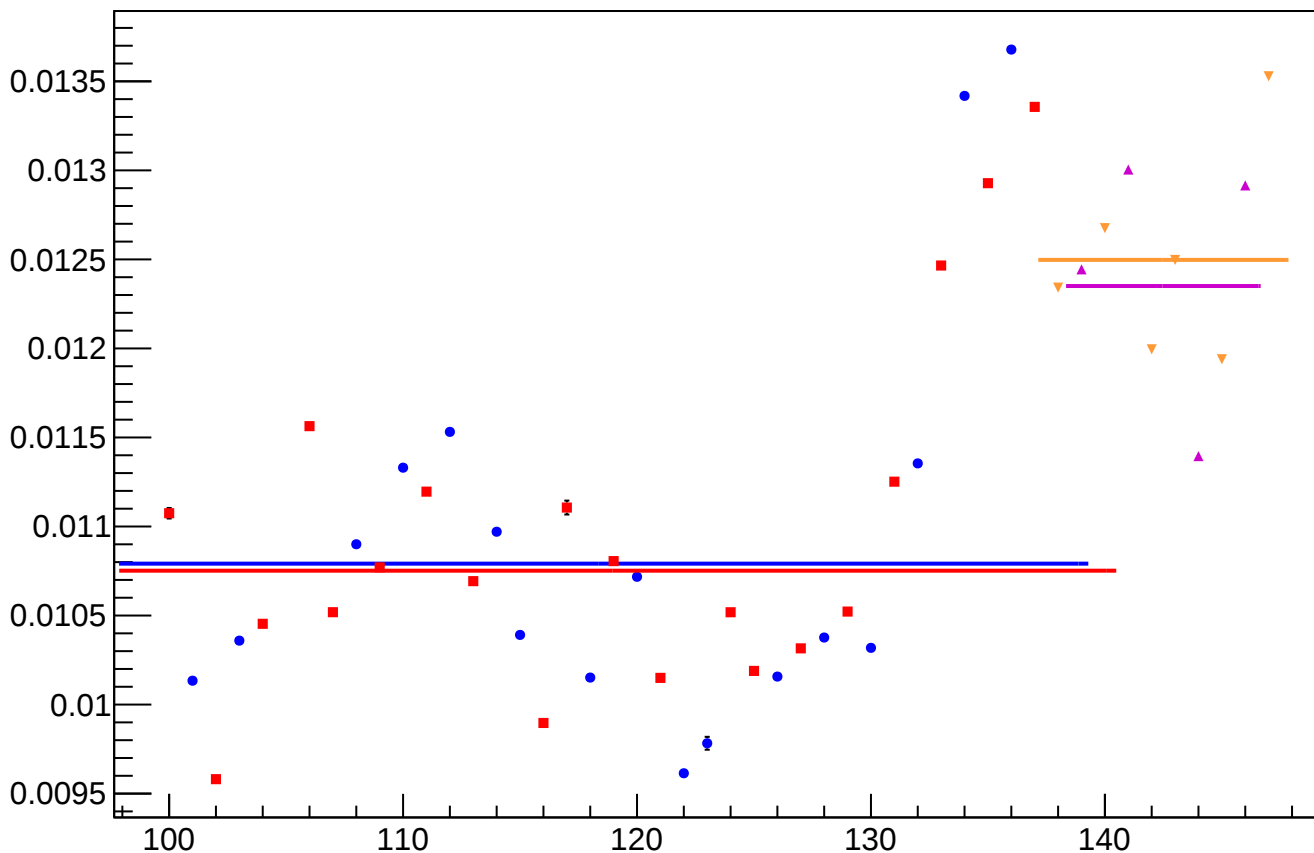
Left In: 1.046 ± 0.000 χ^2/NDF : 493146076.5/3

-0.249 ± 0.000 χ^2/NDF : 68824873701.1/22

-0.289 ± 0.000 χ^2/NDF : 129055372067.5

-0.329 ± 0.000 χ^2/NDF : 59972372479.1/23

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011 $\pm$ 0.000 χ^2/NDF : 125802.4/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 14026.4/5

Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 90303.3/19

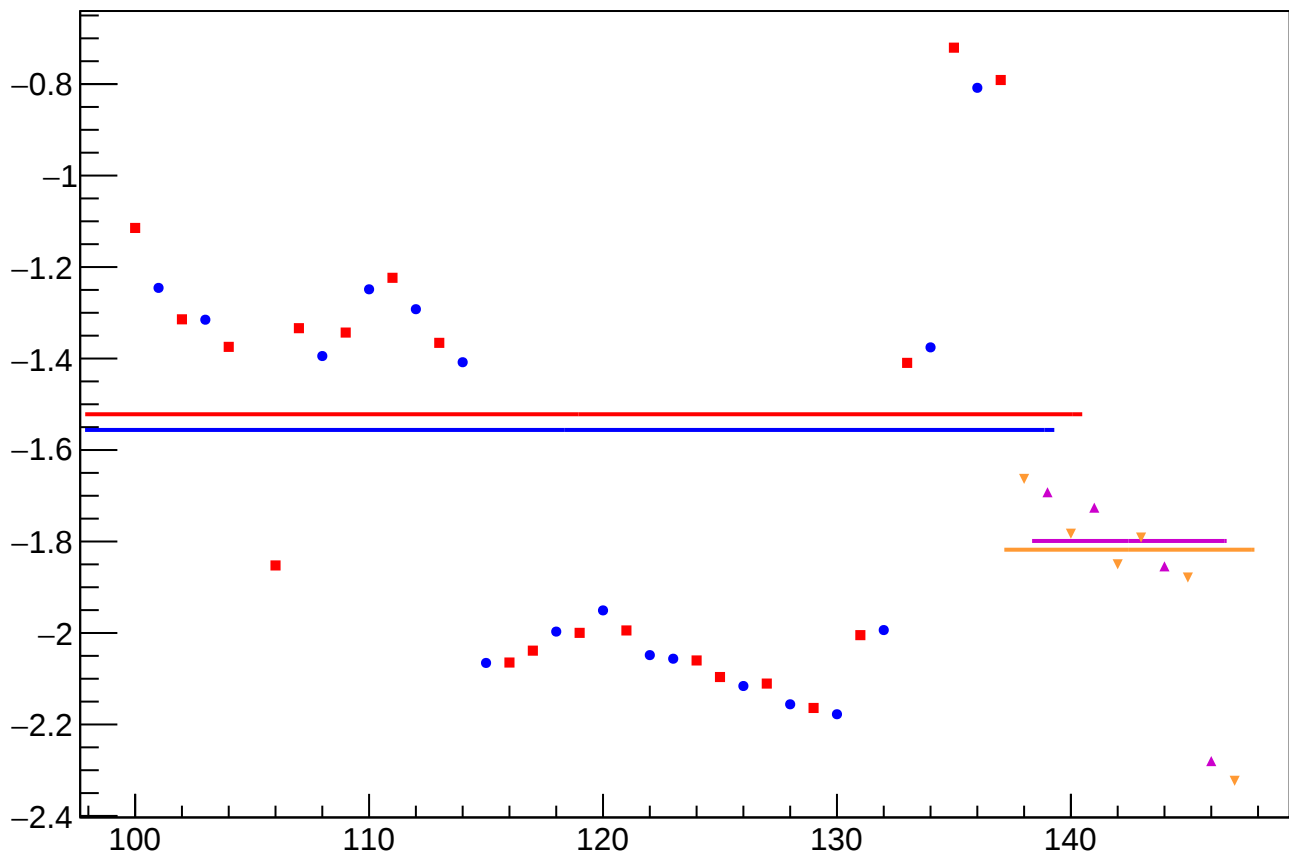
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 19131.7/3

0.011 $\pm$ 0.000 χ^2/NDF : 242602.4/22

0.011 $\pm$ 0.000 χ^2/NDF : 432149.2/46

0.011 $\pm$ 0.000 χ^2/NDF : 187262.2/23

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: -1.818+/-0.000 χ^2/NDF : 10838976226.6/5

Right Out: -1.522+/-0.000 χ^2/NDF : 139385229659.4/19

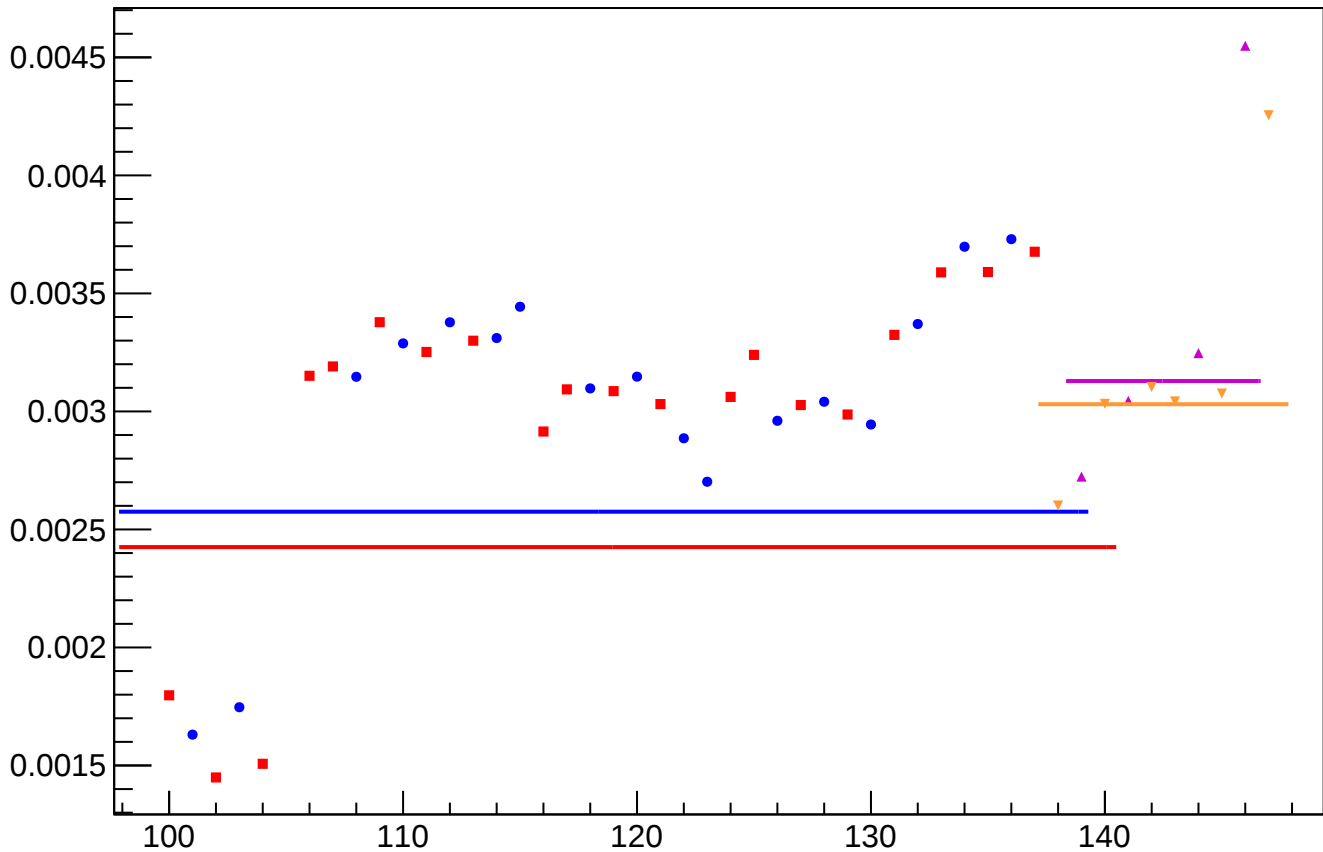
Left In: -1.799+/-0.000 χ^2/NDF : 7254496437.9/3

-1.637+/-0.000 χ^2/NDF : 183891705766.5/22

-1.610+/-0.000 χ^2/NDF : 348641731386.7

-1.582+/-0.000 χ^2/NDF : 162899624253.0/23

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003 $\pm$ 0.000 χ^2/NDF : 1013833.9/16

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF :132213.7/5

Right Out: 0.002 $\pm$ 0.000 χ^2/NDF : 1493210.7/19

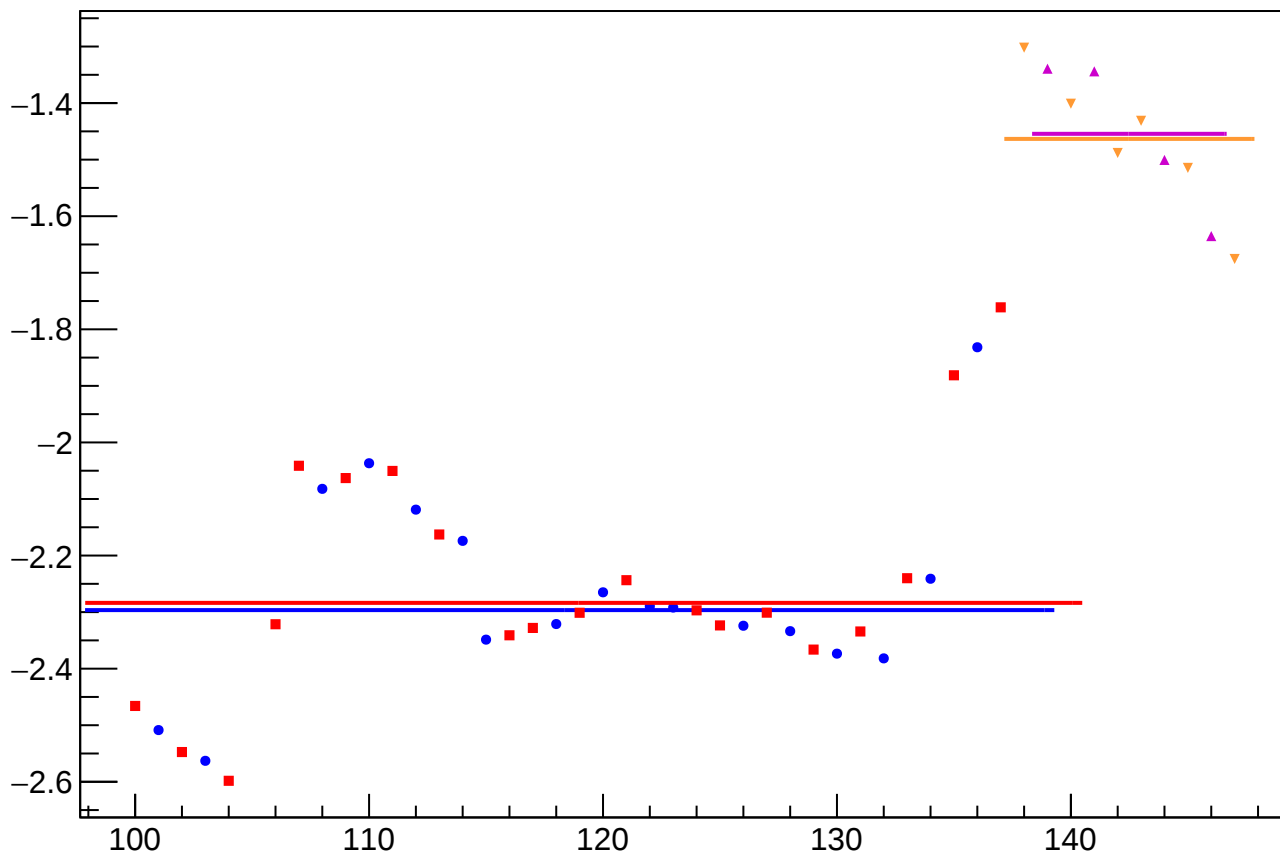
Left In: 0.003 $\pm$ 0.000 χ^2/NDF :129226.7/3

0.003 $\pm$ 0.000 χ^2/NDF : 1255478.4/22

0.003 $\pm$ 0.000 χ^2/NDF : 3110878.8/46

0.003 $\pm$ 0.000 χ^2/NDF : 1832212.1/23

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -1.463+/-0.000 χ^2/NDF : 713961809.7/5

Right Out: -2.284+/-0.000 χ^2/NDF : 6550363990.6/19

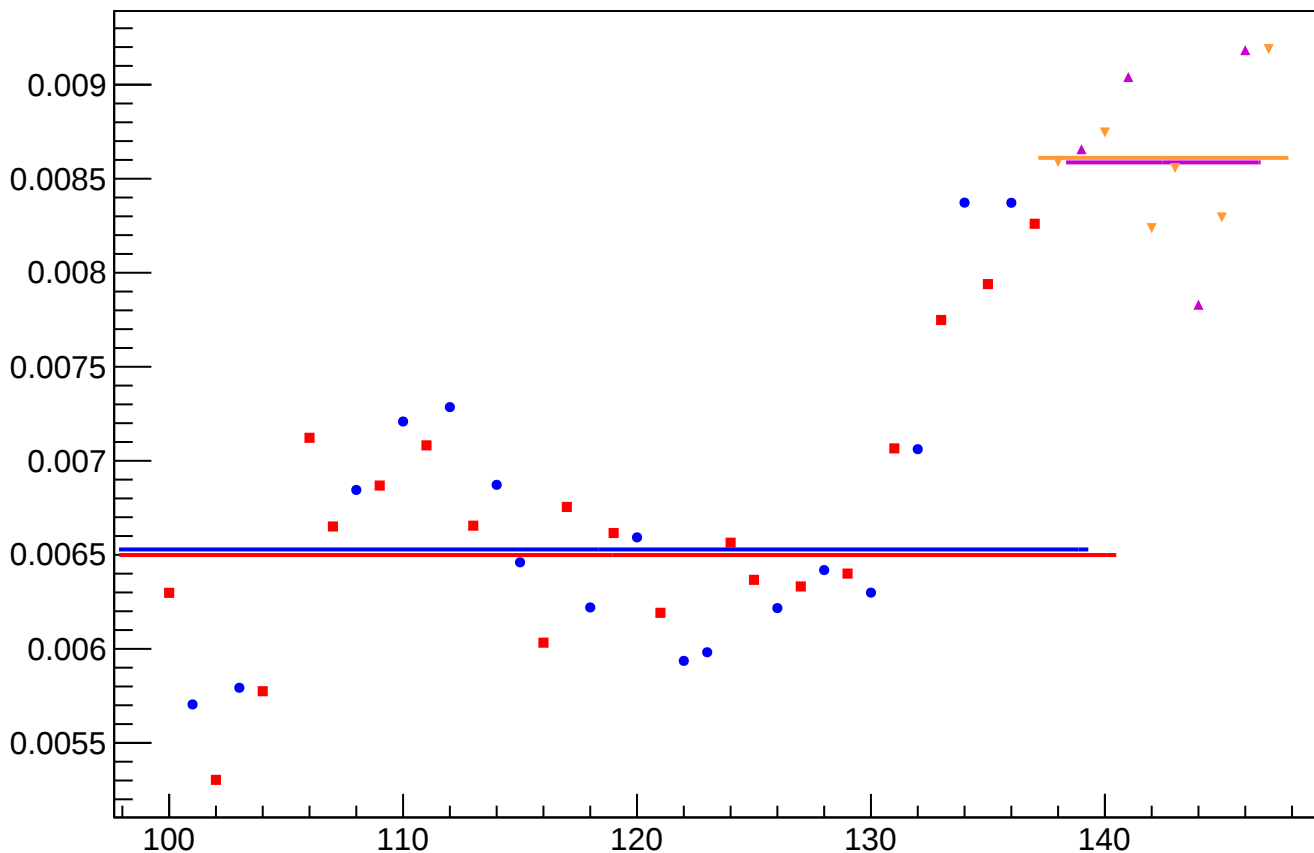
Left In: -1.454+/-0.000 χ^2/NDF : 551364205.8/3

-2.080+/-0.000 χ^2/NDF : 33816492391.7/22

-2.097+/-0.000 χ^2/NDF : 63714467386.0/4

-2.114+/-0.000 χ^2/NDF : 29779721515.9/23

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 176467.7/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 9886.3/5

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 164253.8/19

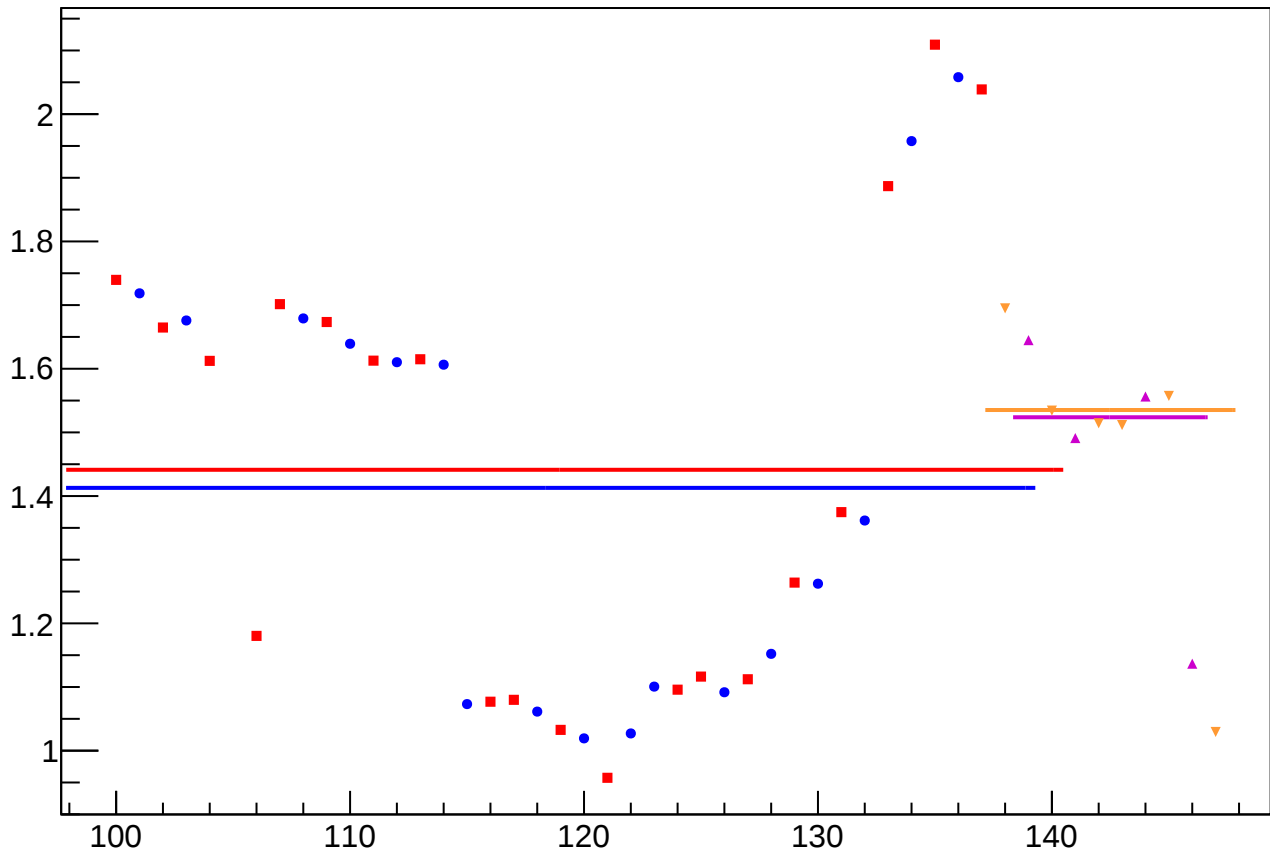
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 26056.9/3

0.007 $\pm$ 0.000 χ^2 /NDF: 527716.3/22

0.007 $\pm$ 0.000 χ^2 /NDF: 1009668.5/46

0.007 $\pm$ 0.000 χ^2 /NDF: 477743.9/23

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.413 $\pm$ 0.000 χ^2/NDF : 172560306608.0/16

Left Out: 1.535 $\pm$ 0.000 χ^2/NDF : 3876996873.8/5

1.423 $\pm$ 0.000 χ^2/NDF : 178367690657.1/22

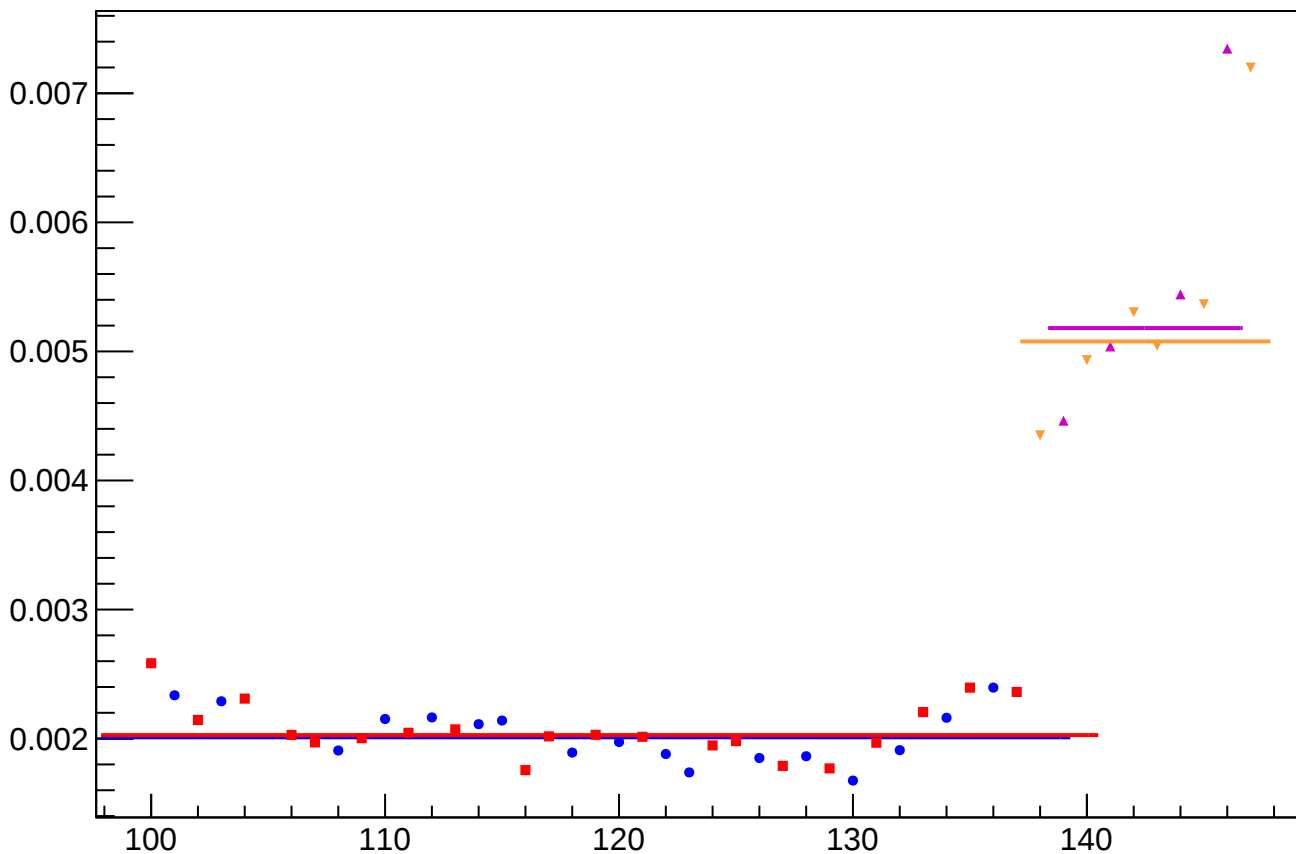
Right Out: 1.441 $\pm$ 0.000 χ^2/NDF : 174346888744.4/19

1.435 $\pm$ 0.000 χ^2/NDF : 355881355861.3/

1.446 $\pm$ 0.000 χ^2/NDF : 177064976431.2/23

Left In: 1.524 $\pm$ 0.000 χ^2/NDF : 2056971466.2/3

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2/NDF : 152530.4/16

Left Out: 0.005 $\pm$ 0.000 χ^2/NDF : 147974.9/5

Right Out: 0.002 $\pm$ 0.000 χ^2/NDF : 103927.8/19

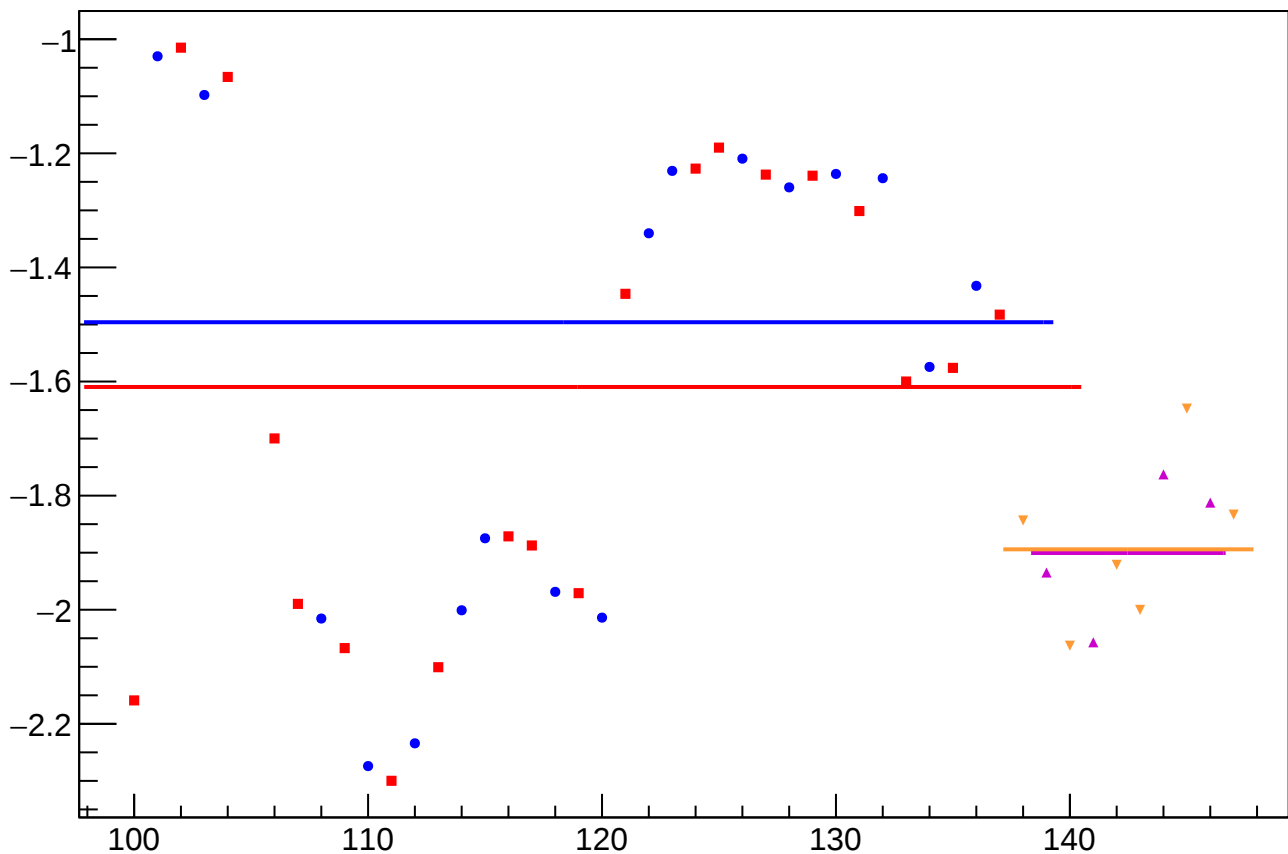
Left In: 0.005 $\pm$ 0.000 χ^2/NDF : 133469.3/3

0.002 $\pm$ 0.000 χ^2/NDF : 2728459.6/22

0.002 $\pm$ 0.000 χ^2/NDF : 4901472.4/46

0.002 $\pm$ 0.000 χ^2/NDF : 2168943.8/23

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.894+/-0.000 χ^2/NDF : 2363524298.6/5

-1.675+/-0.000 χ^2/NDF : 34802583905.2/22

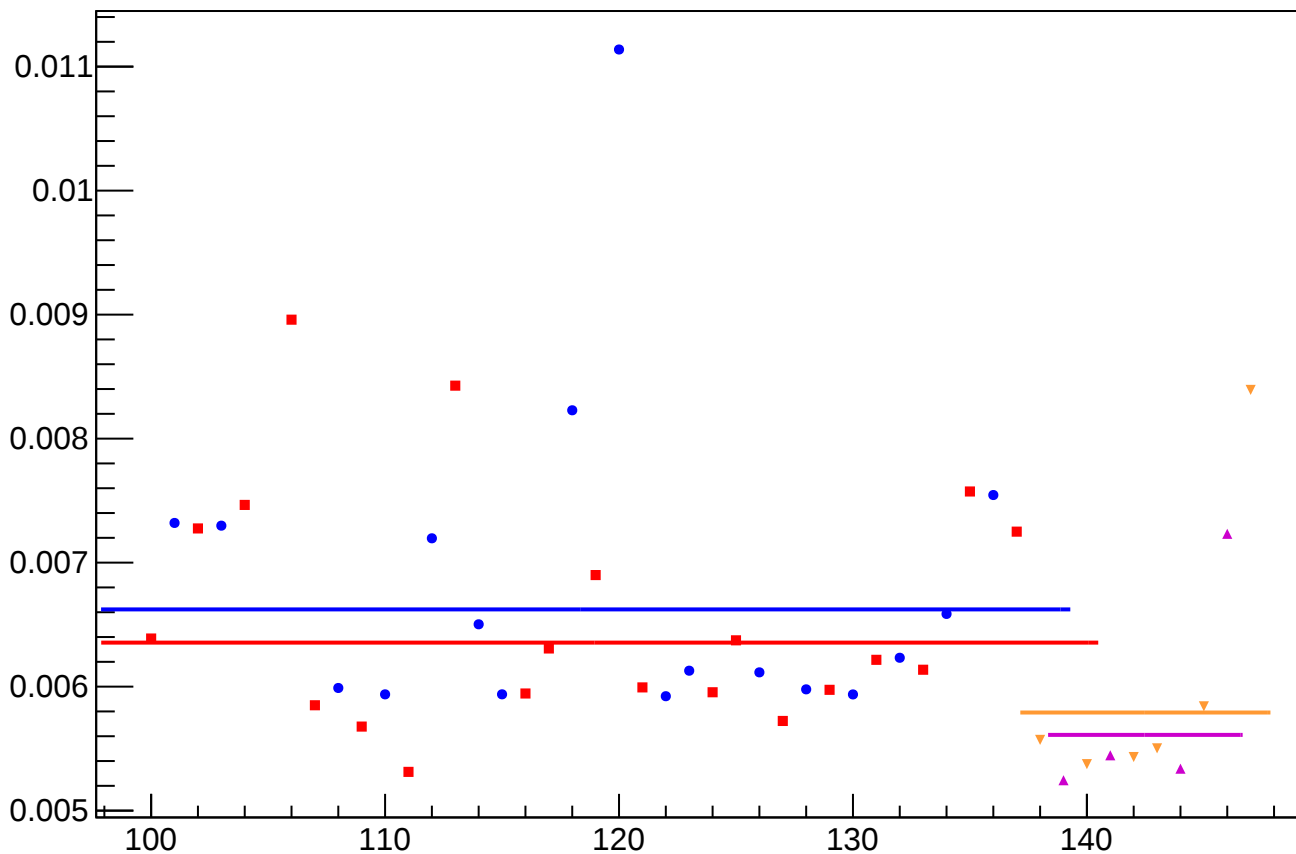
Right Out: -1.610+/-0.000 χ^2/NDF : 27919840690.9/19

-1.696+/-0.000 χ^2/NDF : 69357500310.5/4

-1.716+/-0.000 χ^2/NDF : 34349194485.4/23

Left In: -1.901+/-0.000 χ^2/NDF : 1362830063.1/3

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 232630.4/16

Left Out: 0.006+/-0.000 χ^2/NDF :152458.8/5

Right Out: 0.006+/-0.000 χ^2/NDF : 227865.9/19

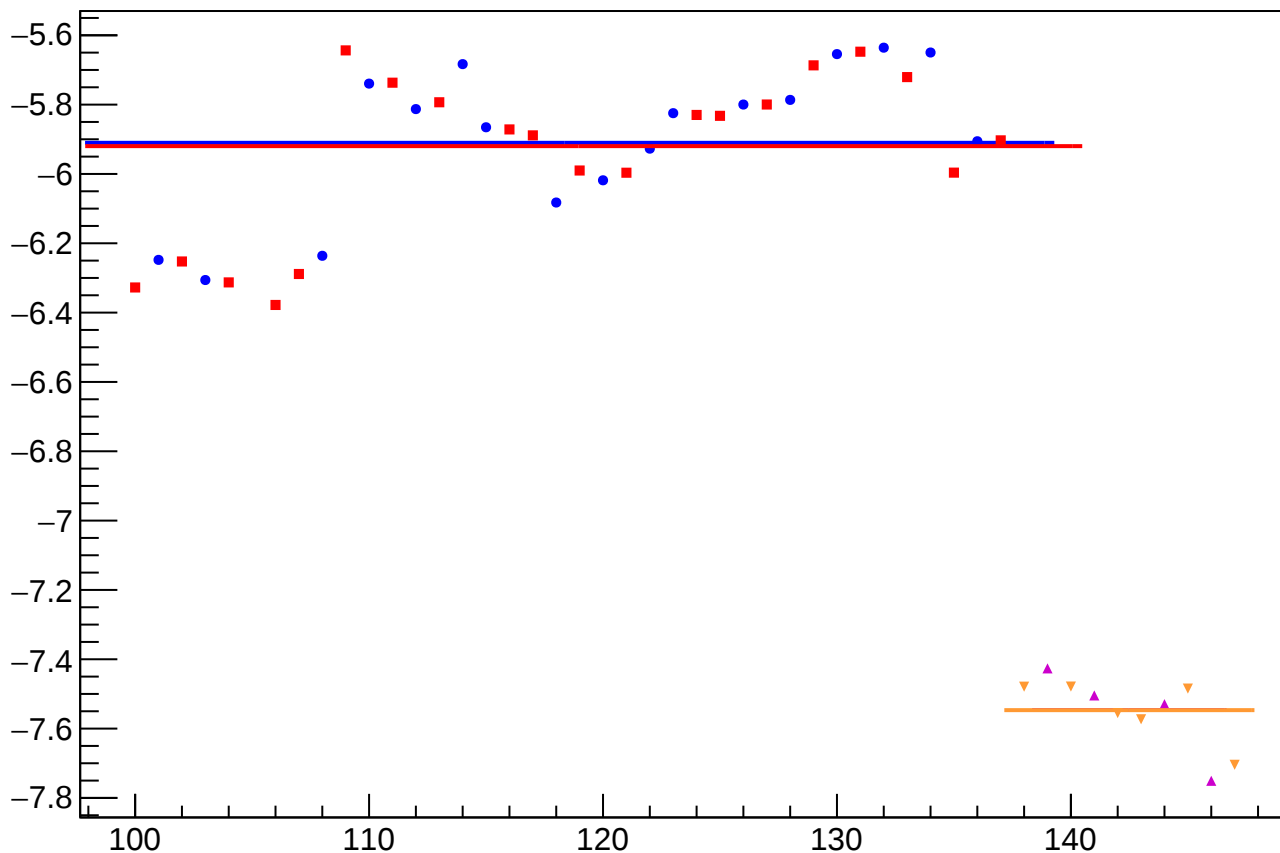
Left In: 0.006+/-0.000 χ^2/NDF :81422.0/3

0.006+/-0.000 χ^2/NDF : 471609.8/22

0.006+/-0.000 χ^2/NDF : 854049.6/46

0.006+/-0.000 χ^2/NDF : 375551.1/23

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.910+/-0.000 χ^2 /NDF: 11154434512.7/16

Left Out: -7.547+/-0.000 χ^2 /NDF: 351397751.5/5

Right Out: -5.920+/-0.000 χ^2 /NDF: 12786449843.6/19

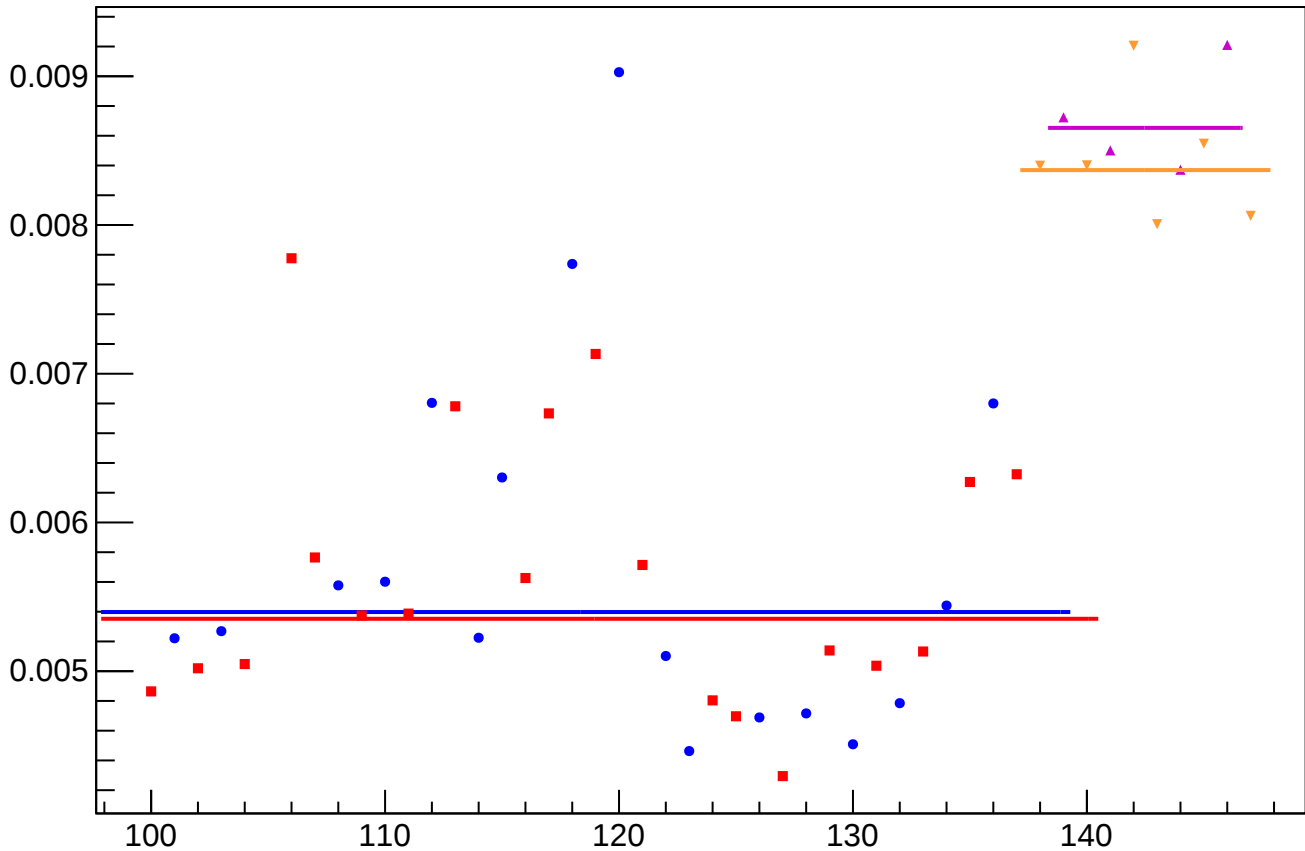
Left In: -7.546+/-0.000 χ^2 /NDF: 431124692.9/3

-6.221+/-0.000 χ^2 /NDF: 114698555605.8/22

-6.182+/-0.000 χ^2 /NDF: 210045138231.7

-6.143+/-0.000 χ^2 /NDF: 94579171903.9/23

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 :10559.6/5

Right Out: 0.005+/-0.000 χ^2/NDF : 252664.1/19

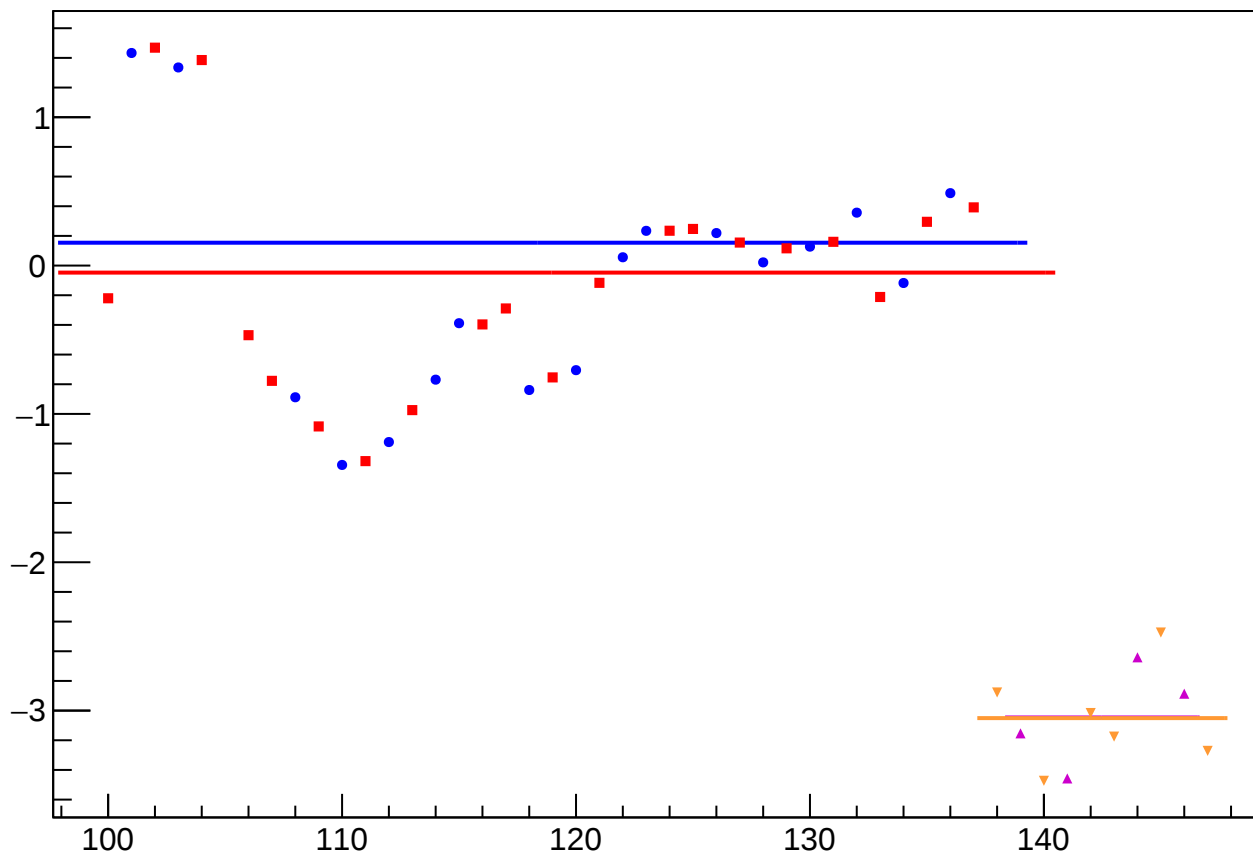
Left In: 0.009+/-0.000 χ^2/NDF :6800.1/3

0.006+/-0.000 χ^2/NDF : 1062241.5/22

0.006+/-0.000 χ^2/NDF : 1997894.9/46

0.006+/-0.000 χ^2/NDF : 929458.1/23

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.154+/-0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.051+/-0.000 χ^2/NDF : 1452962700.6/5

Right Out: -0.047+/-0.000 χ^2/NDF : 21216074494.2/19

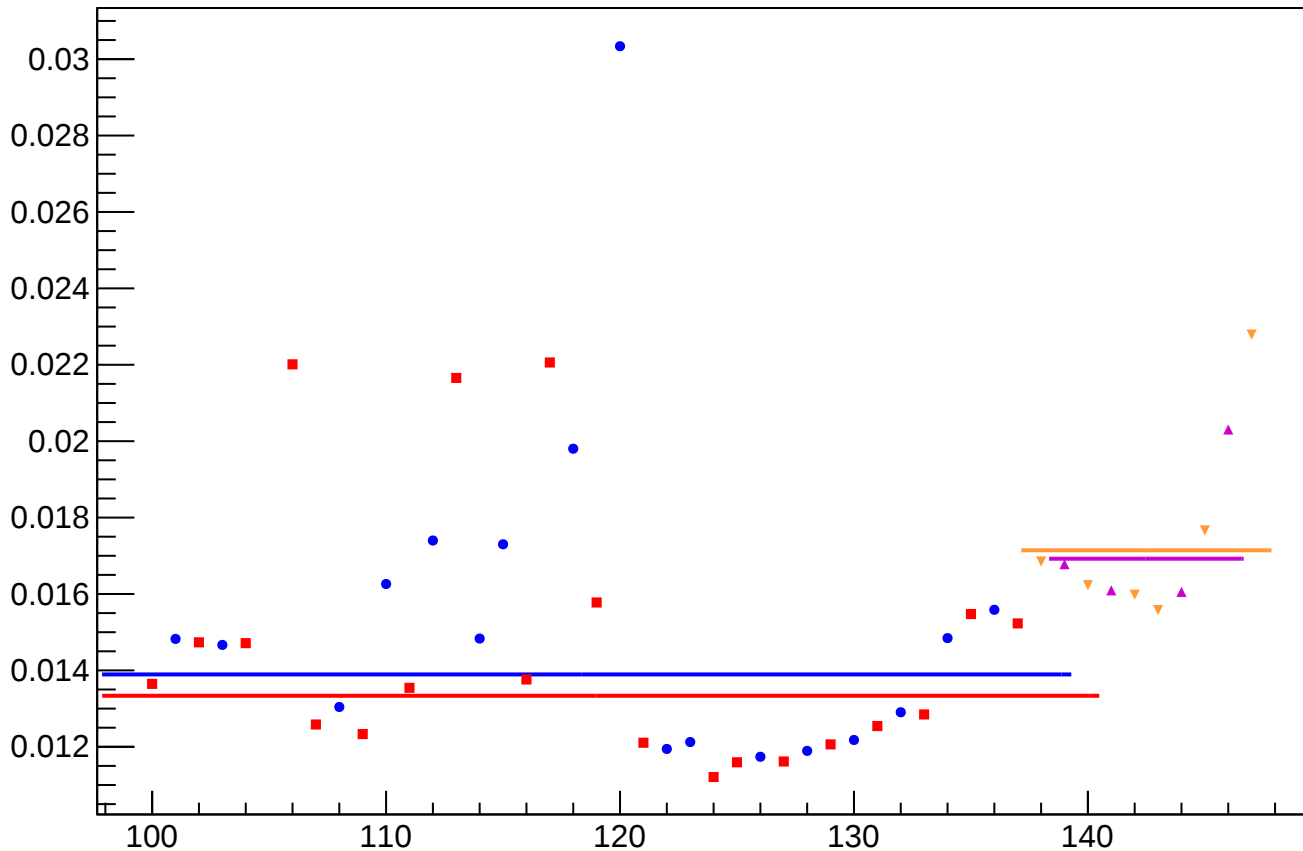
Left In: -3.046+/-0.000 χ^2/NDF : 1127571383.4/3

-0.794+/-0.000 χ^2/NDF : 111608044047.1/22

-0.751+/-0.000 χ^2/NDF : 206751670859.3

-0.711+/-0.000 χ^2/NDF : 94989192326.4/23

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 400569.4/16

Left Out: 0.017 $\pm$ 0.000 χ^2/NDF :108897.8/5

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 303459.9/19

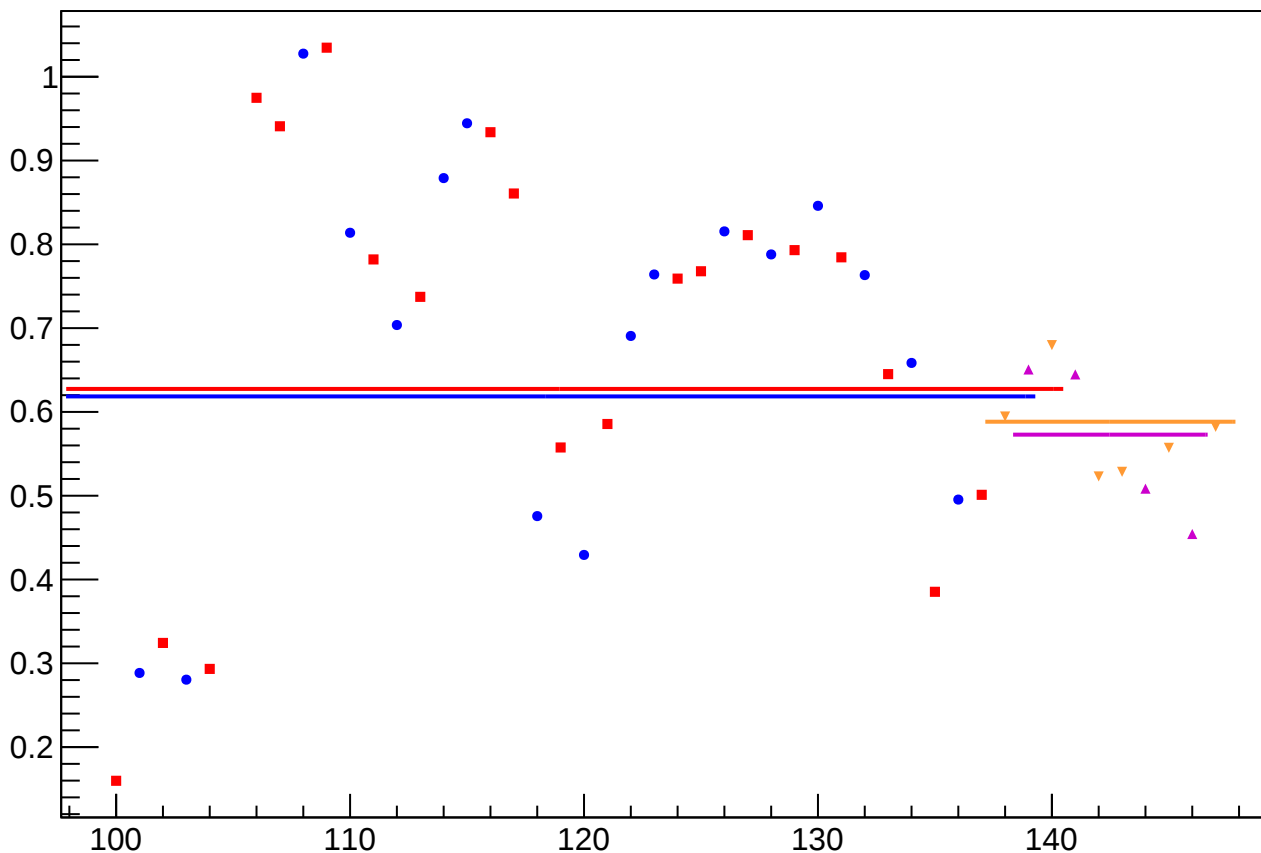
Left In: 0.017 $\pm$ 0.000 χ^2/NDF :47899.7/3

0.015 $\pm$ 0.000 χ^2/NDF : 701023.7/22

0.014 $\pm$ 0.000 χ^2/NDF : 1284087.8/46

0.014 $\pm$ 0.000 χ^2/NDF : 559296.9/23

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.619 $\pm$ 0.000 χ^2/NDF : 5416939288.1/16

Left Out: 0.588 $\pm$ 0.000 χ^2/NDF : 209758525.6/5

Right Out: 0.627 $\pm$ 0.000 χ^2/NDF : 6345684740.0/19

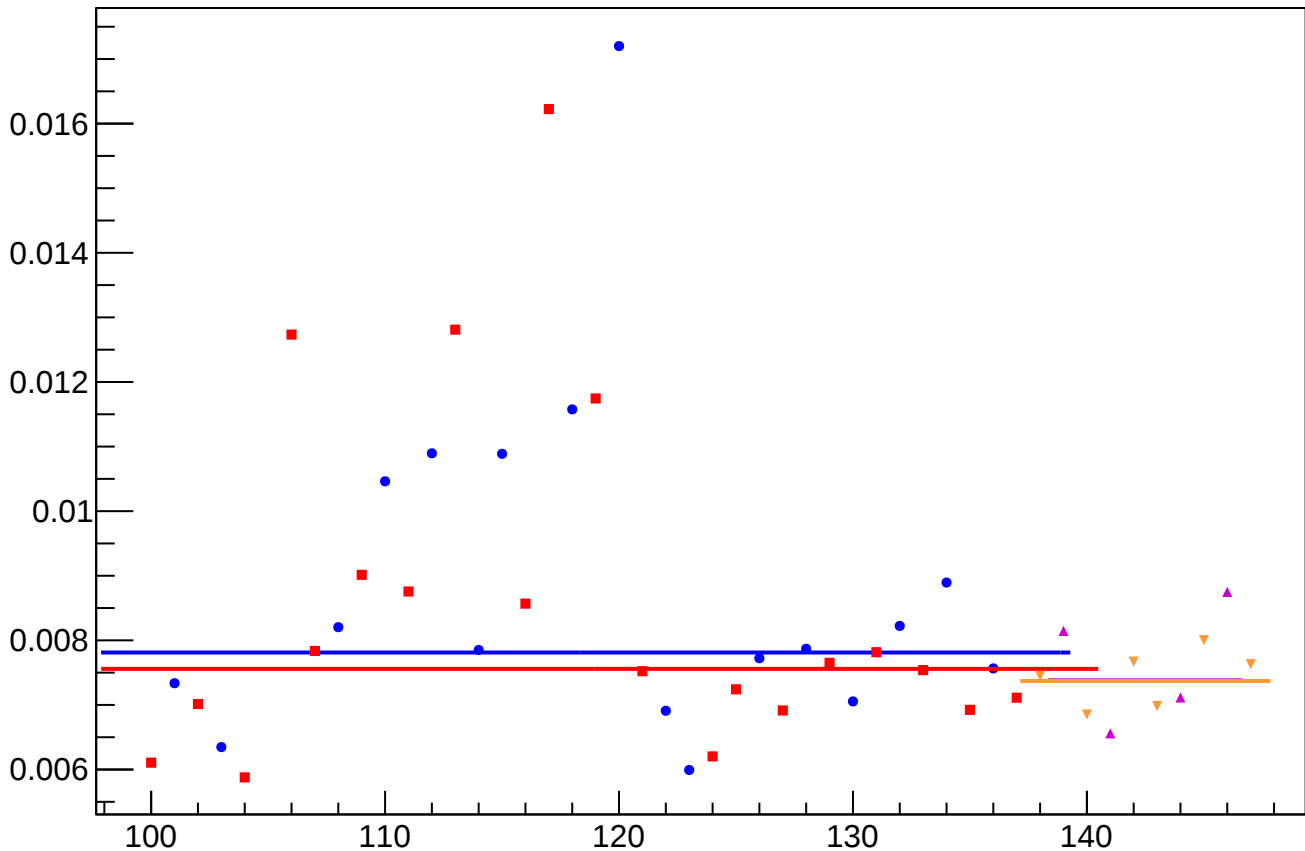
Left In: 0.573 $\pm$ 0.000 χ^2/NDF : 344598528.4/3

0.606 $\pm$ 0.000 χ^2/NDF : 5662503375.5/22

0.608 $\pm$ 0.000 χ^2/NDF : 12459608684.1/4

0.610 $\pm$ 0.000 χ^2/NDF : 6796069348.7/23

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 466827.3/16

Left Out: 0.007+/-0.000 χ^2/NDF : 22827.5/5

Right Out: 0.008+/-0.000 χ^2/NDF : 463232.7/19

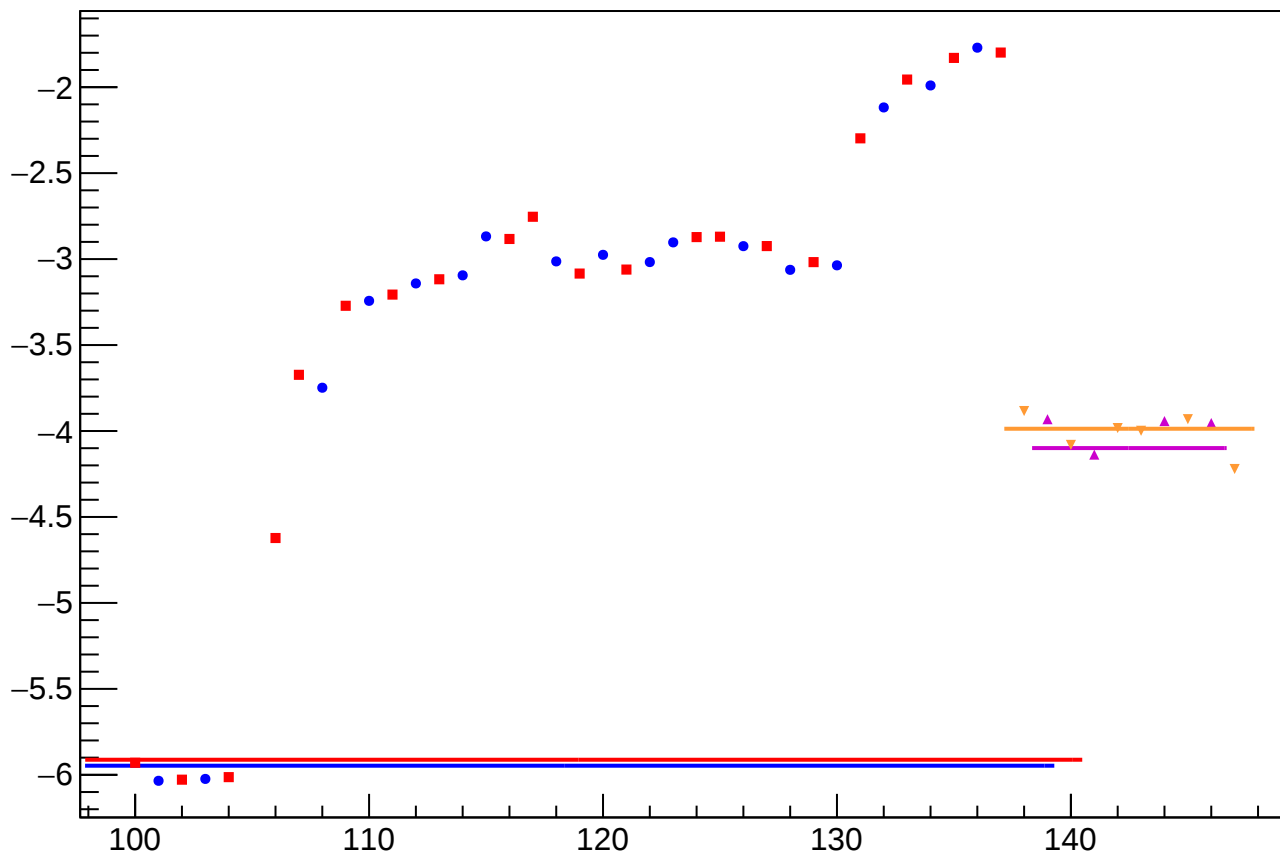
Left In: 0.007+/-0.000 χ^2/NDF : 72003.9/3

0.008+/-0.000 χ^2/NDF : 504919.8/22

0.008+/-0.000 χ^2/NDF : 1045091.3/46

0.008+/-0.000 χ^2/NDF : 537453.9/23

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -3.987+/-0.000 χ^2/NDF : 4364714.4/5

Right Out: -5.912+/-0.000 χ^2/NDF : 14648055548.9/19

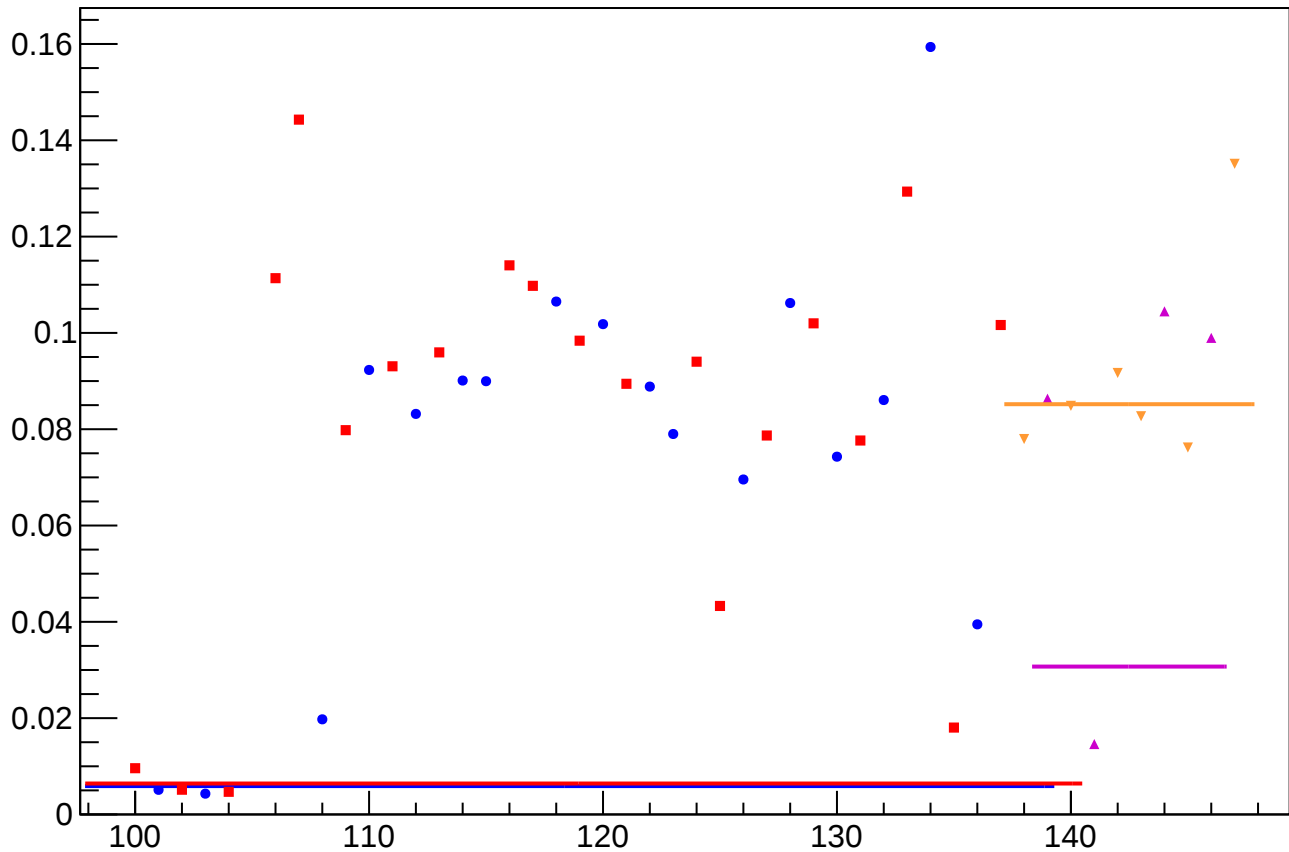
Left In: -4.099+/-0.000 χ^2/NDF : 6453341.7/3

-5.927+/-0.000 χ^2/NDF : 15044391121.6/22

-5.898+/-0.000 χ^2/NDF : 33255954786.0/4

-5.862+/-0.000 χ^2/NDF : 18121497162.4/23

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 7934545.2/16

Left Out: 0.085+/-0.000 χ^2/NDF : 217785.9/5

Right Out: 0.006+/-0.000 χ^2/NDF : 8558731.2/19

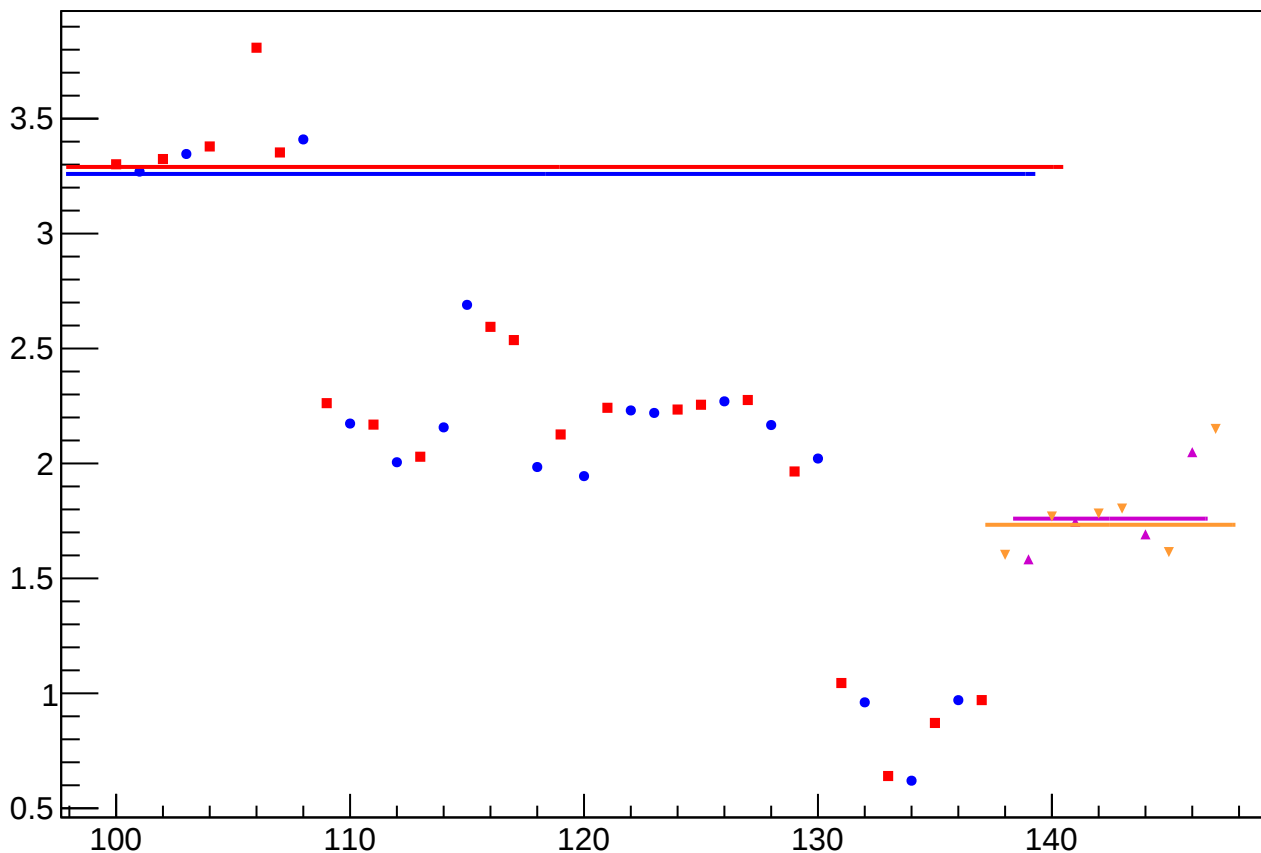
Left In: 0.031+/-0.000 χ^2/NDF : 2336669.0/3

0.007+/-0.000 χ^2/NDF : 14288427.4/22

0.007+/-0.000 χ^2/NDF : 26434655.2/46

0.007+/-0.000 χ^2/NDF : 12139743.1/23

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.259+/-0.000 χ^2/NDF : 2921931976.8/16

Left Out: 1.733+/-0.000 χ^2/NDF : 9823343.6/5

Right Out: 3.290+/-0.000 χ^2/NDF : 3263300926.6/19

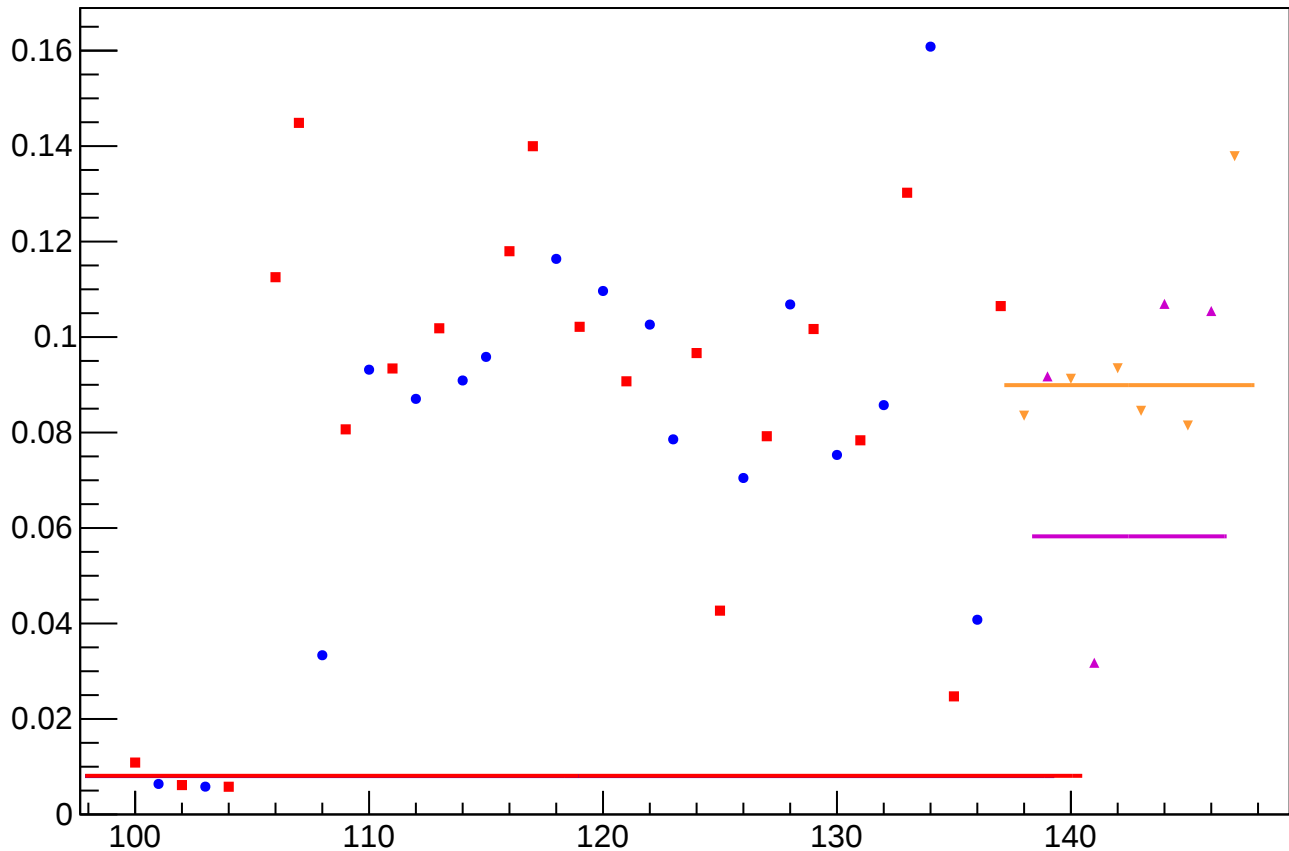
Left In: 1.760+/-0.000 χ^2/NDF : 7836848.4/3

3.236+/-0.000 χ^2/NDF : 3953721343.1/22

3.248+/-0.000 χ^2/NDF : 8410535424.7/46

3.261+/-0.000 χ^2/NDF : 4448272036.2/23

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7742048.1/16

Left Out: 0.090 $\pm$ 0.000 χ^2 /NDF:189632.0/5

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8375005.0/19

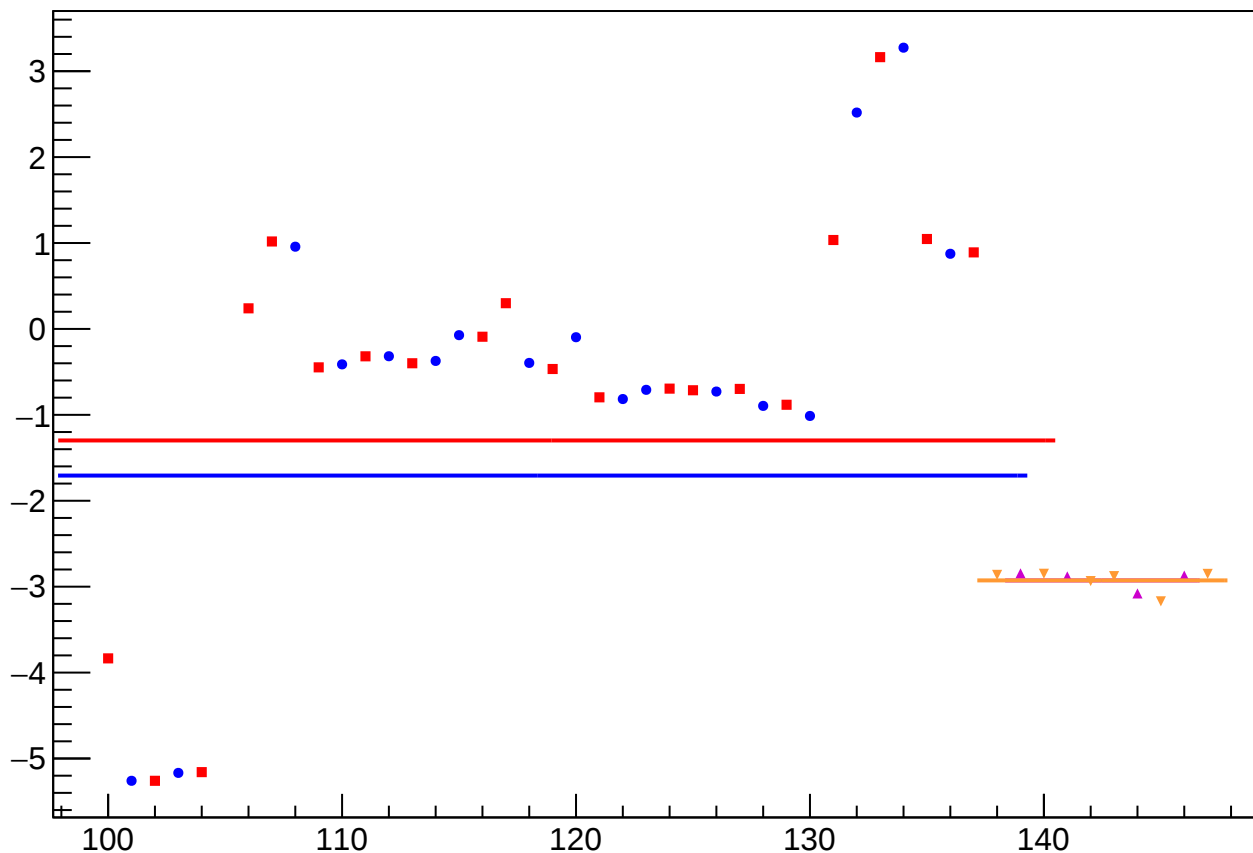
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1200573.2/3

0.009 $\pm$ 0.000 χ^2 /NDF: 13815937.3/22

0.009 $\pm$ 0.000 χ^2 /NDF: 25923711.2/46

0.009 $\pm$ 0.000 χ^2 /NDF: 12106123.3/23

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.707+/-0.000 χ^2 /NDF: 166125579390.4/16

Left Out: -2.927+/-0.000 χ^2 /NDF: 991476879.9/5

Right Out: -1.298+/-0.000 χ^2 /NDF: 178085926993.4/19

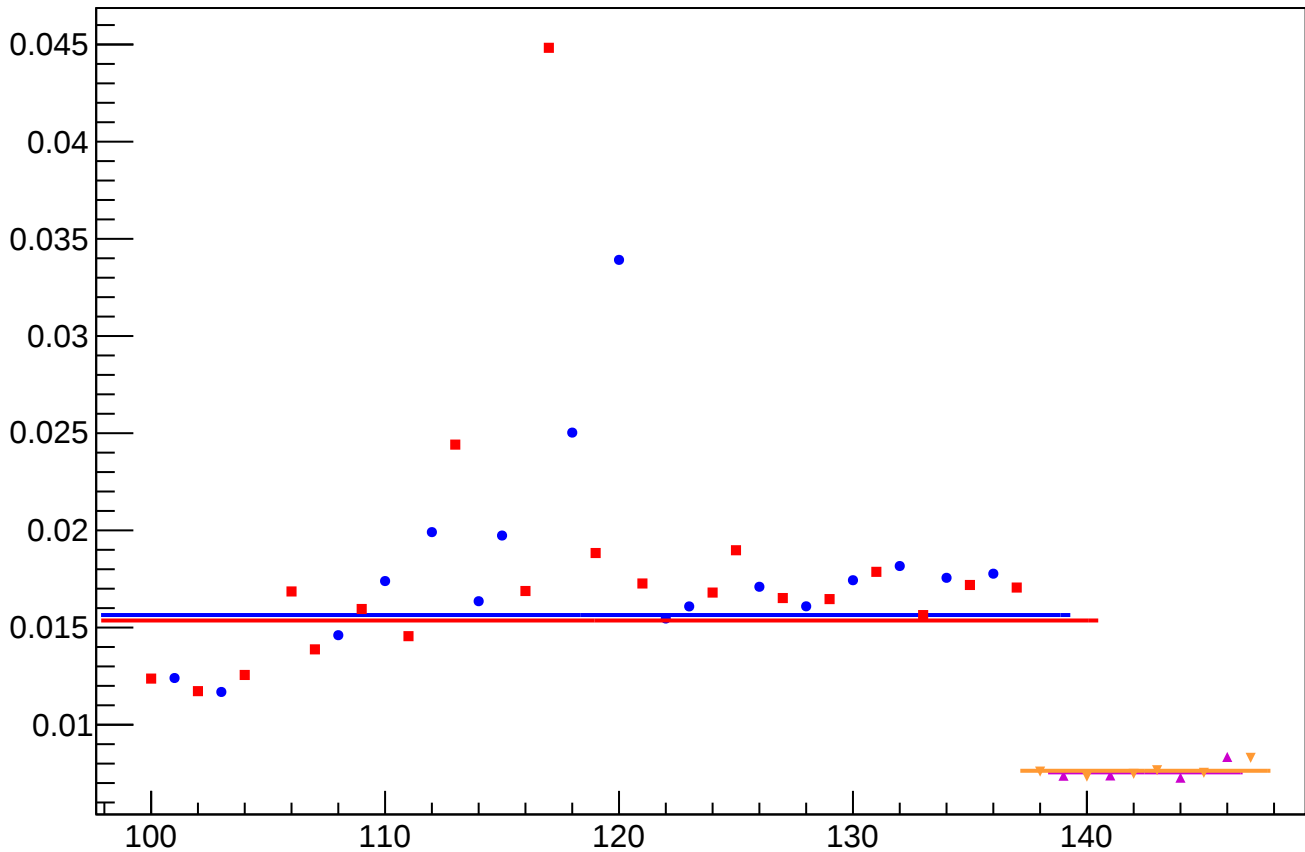
Left In: -2.928+/-0.000 χ^2 /NDF: 509822458.3/3

-2.618+/-0.000 χ^2 /NDF: 192584916651.8/22

-2.513+/-0.000 χ^2 /NDF: 420369738157.2

-2.394+/-0.000 χ^2 /NDF: 225635987664.7/23

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF : 578244.3/16

Left Out: 0.008+/-0.000 χ^2/NDF : 13002.6/5

Right Out: 0.015+/-0.000 χ^2/NDF : 387283.2/19

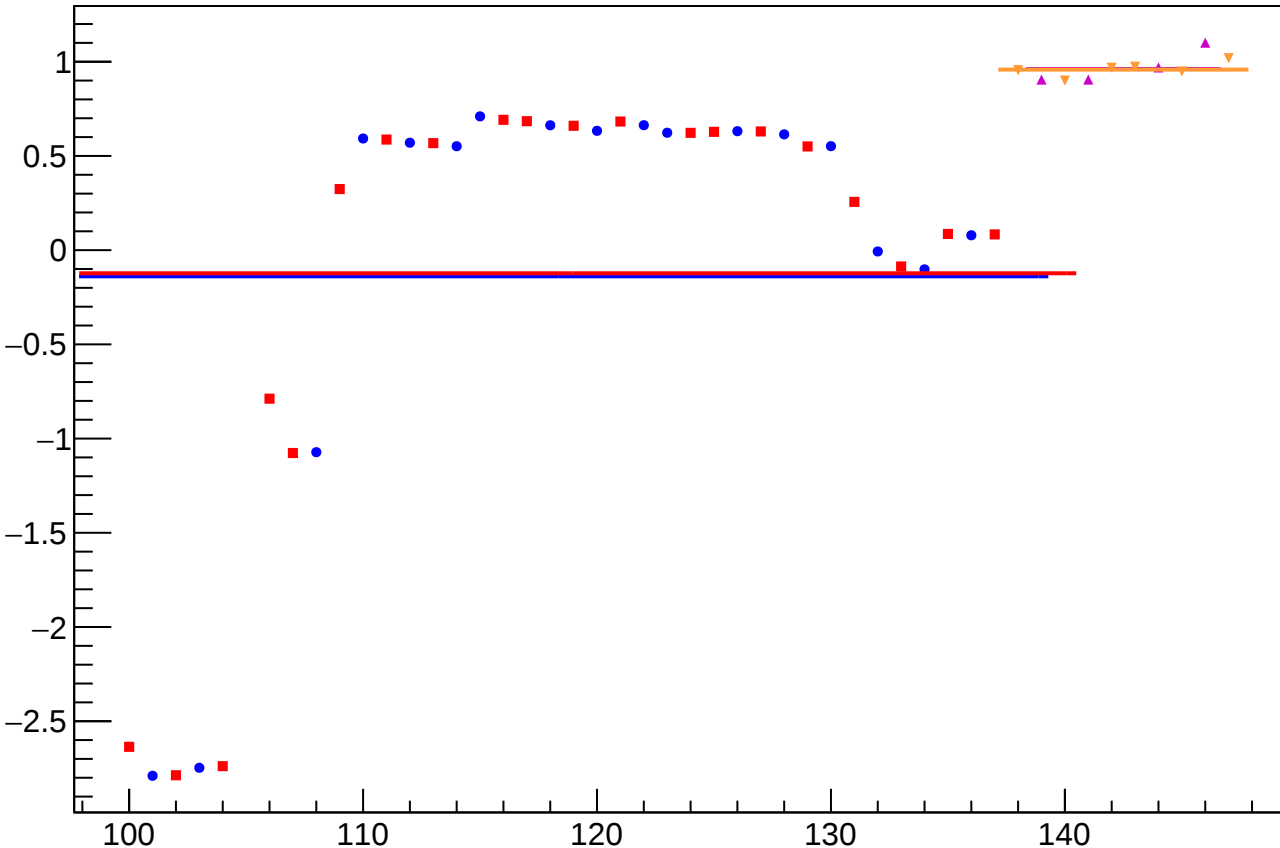
Left In: 0.008+/-0.000 χ^2/NDF : 17733.9/3

0.010+/-0.000 χ^2/NDF : 2788392.7/22

0.010+/-0.000 χ^2/NDF : 5374744.1/46

0.010+/-0.000 χ^2/NDF : 2569060.0/23

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -0.139+/-0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.958+/-0.000 χ^2/NDF :112815521.5/5

Right Out: -0.123 $\pm$ 0.000 χ^2 /NDF: 762580598699.5/19

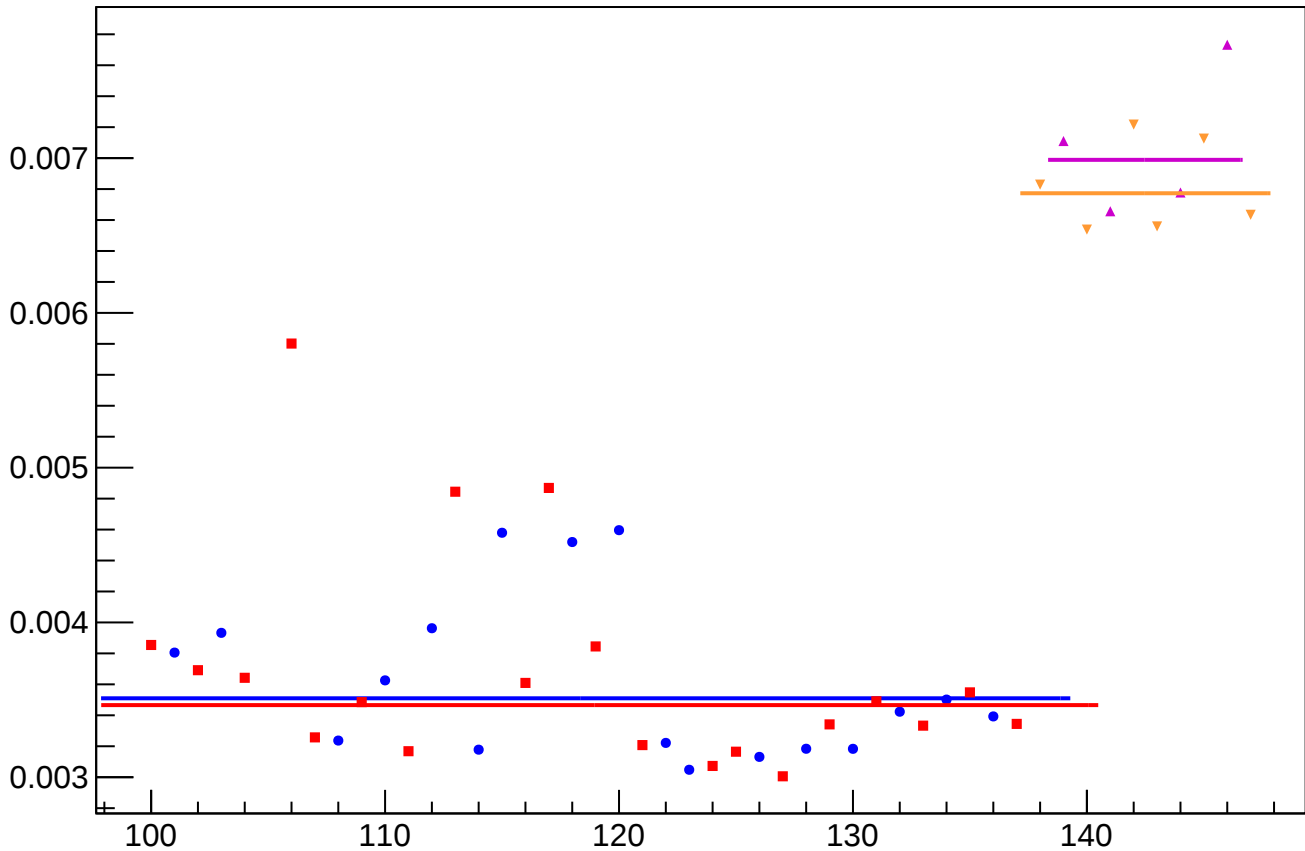
Left In: 0.961+/-0.000 χ^2/NDF :303618135.3/3

0.003+/-0.000 χ^2/NDF : 794905669260.4/22

-0.010+/-0.000 χ^2/NDF : 1618979074159.

-0.023+/-0.000 χ^2/NDF : 823872626538.3/23

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 171337.9/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:9642.8/5

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 222524.1/19

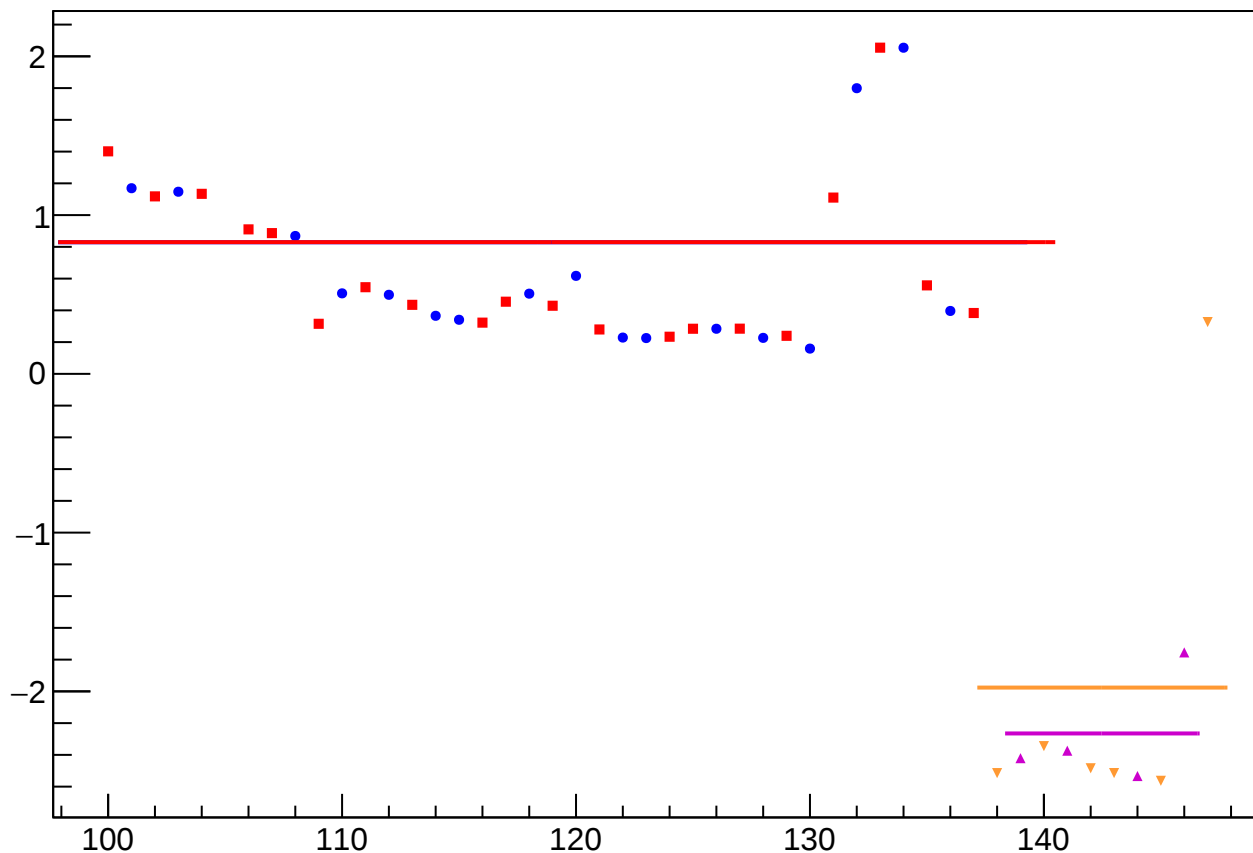
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:17662.4/3

0.004 $\pm$ 0.000 χ^2 /NDF: 1592193.2/22

0.004 $\pm$ 0.000 χ^2 /NDF: 3132588.0/46

0.004 $\pm$ 0.000 χ^2 /NDF: 1528436.8/23

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.829+/-0.000 χ^2/NDF : 31718573821.2/16

Left Out: -1.976+/-0.000 χ^2/NDF : 100777608139.9/5

Right Out: 0.830+/-0.000 χ^2/NDF : 33349713412.0/19

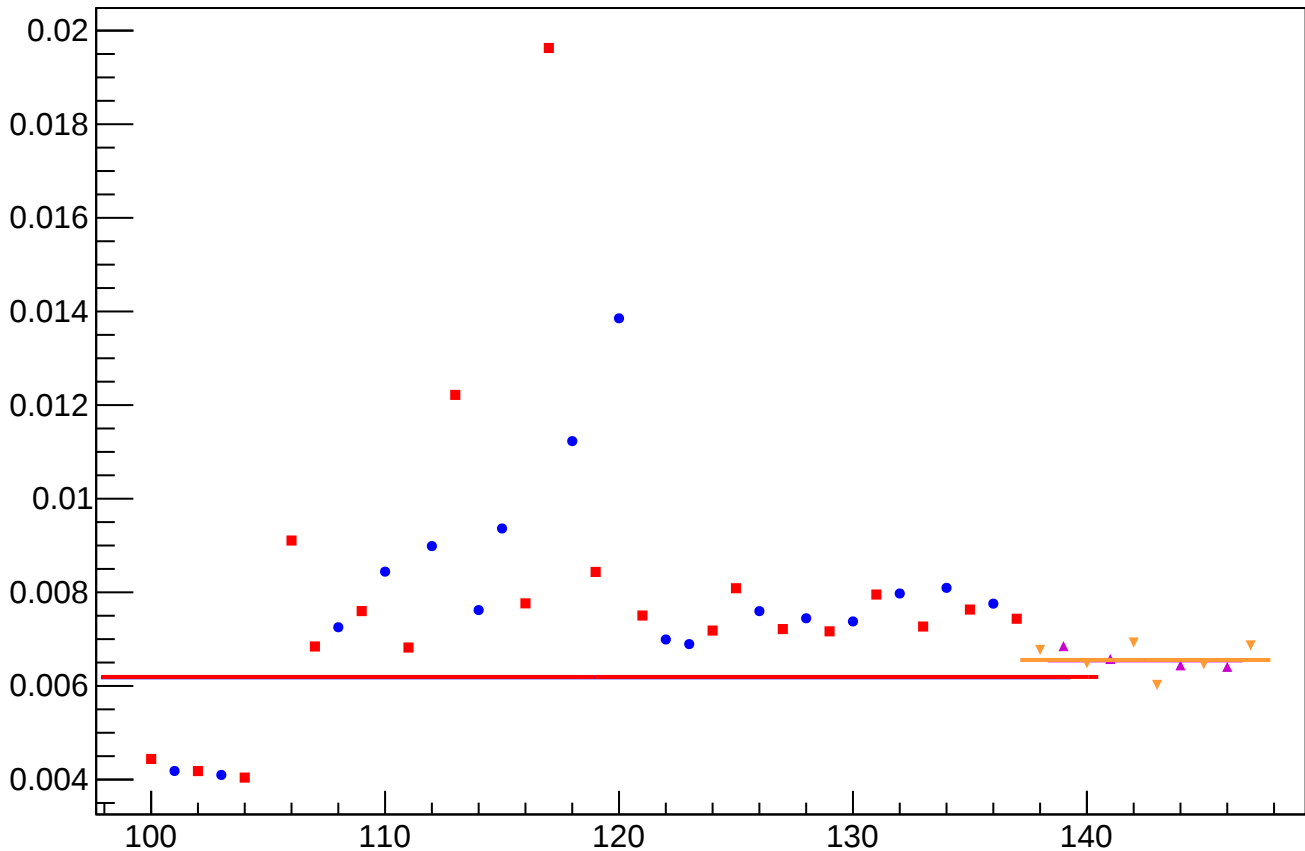
Left In: -2.265+/-0.000 χ^2/NDF : 6594636581.3/3

-0.244+/-0.000 χ^2/NDF : 550915307870.8/22

-0.189+/-0.000 χ^2/NDF : 1044818664488.

-0.132+/-0.000 χ^2/NDF : 492510355946.6/23

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 1228962.4/16

Left Out: 0.007+/-0.000 χ^2/NDF : 15531.8/5

Right Out: 0.006+/-0.000 χ^2/NDF : 1062886.2/19

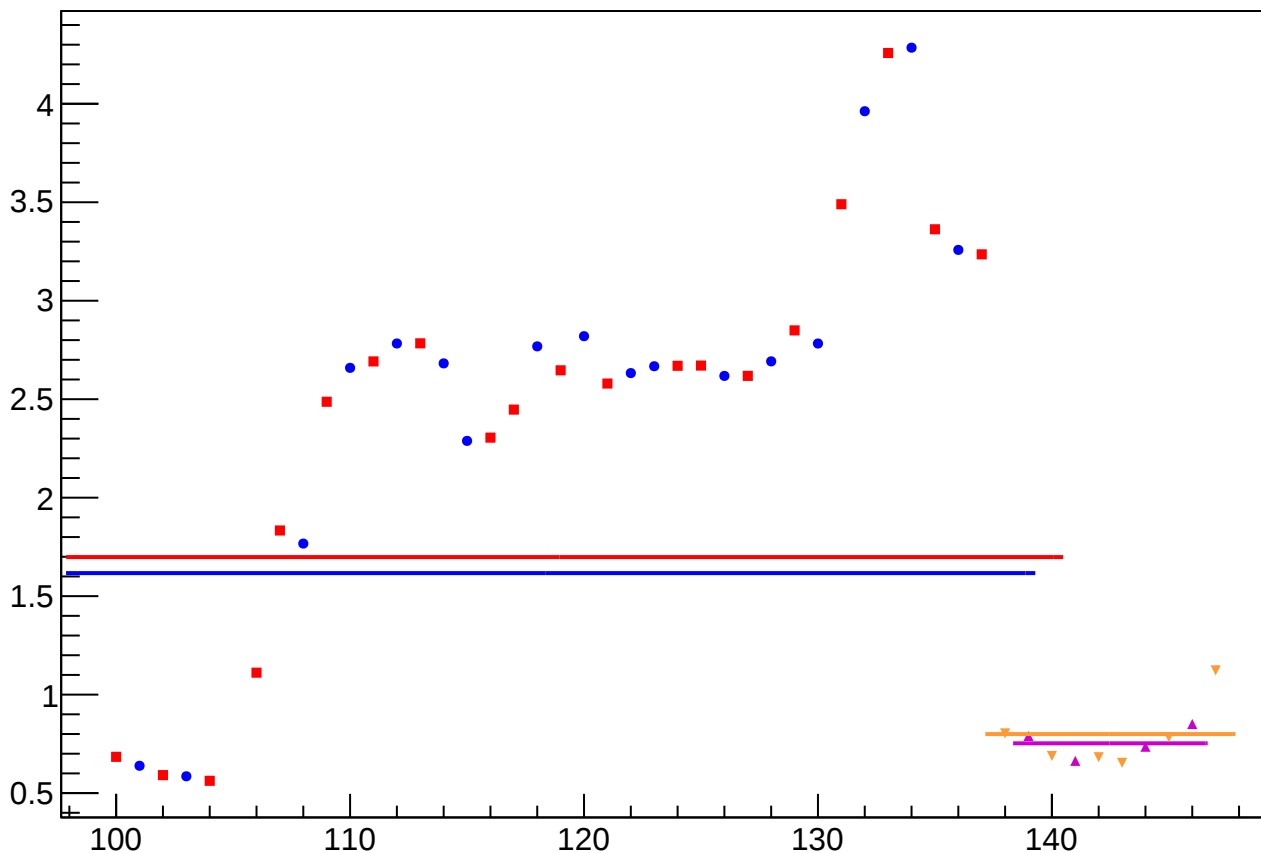
Left In: 0.007+/-0.000 χ^2/NDF : 3541.6/3

0.006+/-0.000 χ^2/NDF : 1259087.2/22

0.006+/-0.000 χ^2/NDF : 2337460.5/46

0.006+/-0.000 χ^2/NDF : 1078243.8/23

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 0.800+/-0.000 χ^2/NDF : 2340368465.2/5

1.292+/-0.000 χ^2/NDF : 243217539043.0/22

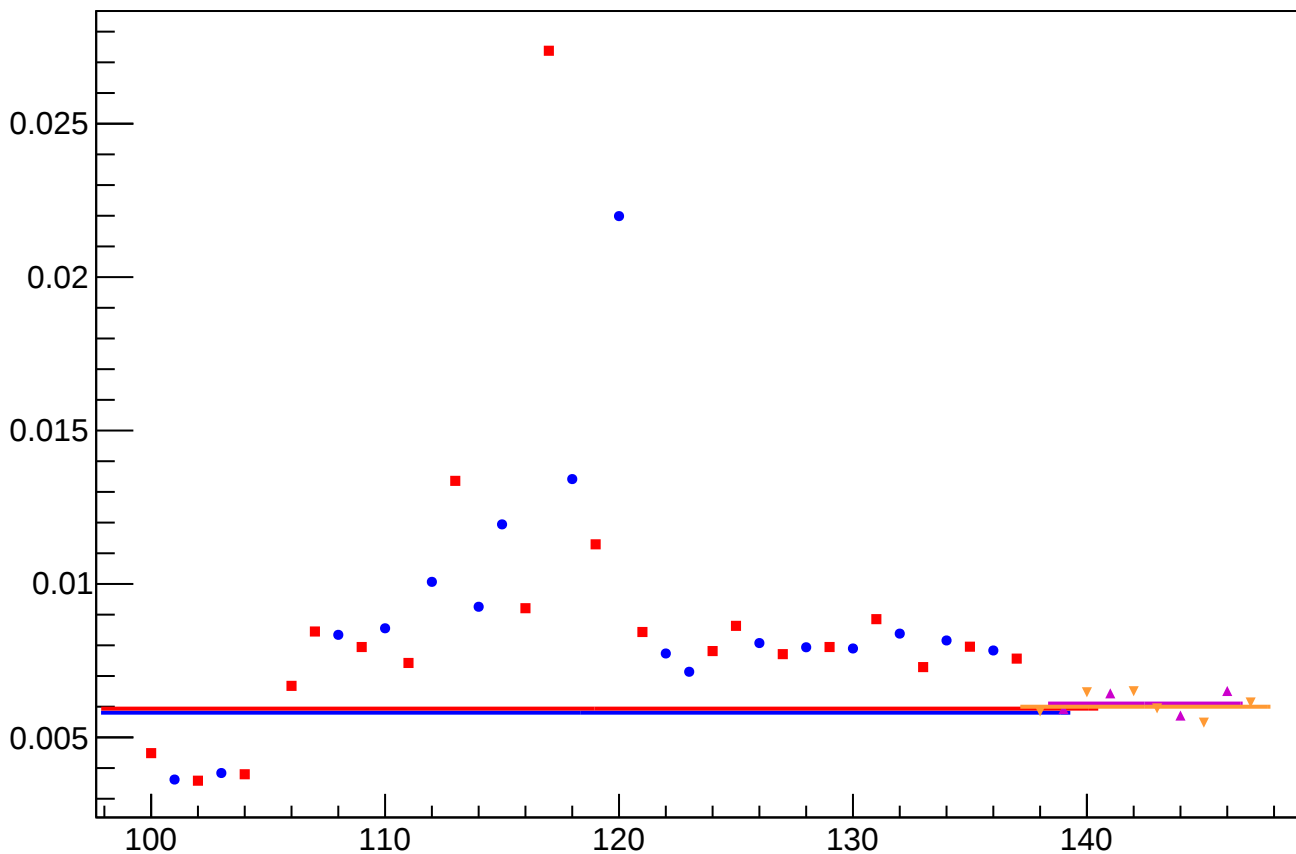
Right Out: 1.698+/-0.000 χ^2/NDF : 227436227264.4/19

1.342+/-0.000 χ^2/NDF : 516075092260.8/

1.394+/-0.000 χ^2/NDF : 271676165879.2/23

Left In: 0.753+/-0.000 χ^2/NDF : 314332823.9/3

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 : 24614.0/5

Right Out: 0.006+/-0.000 χ^2/NDF : 1731283.0/19

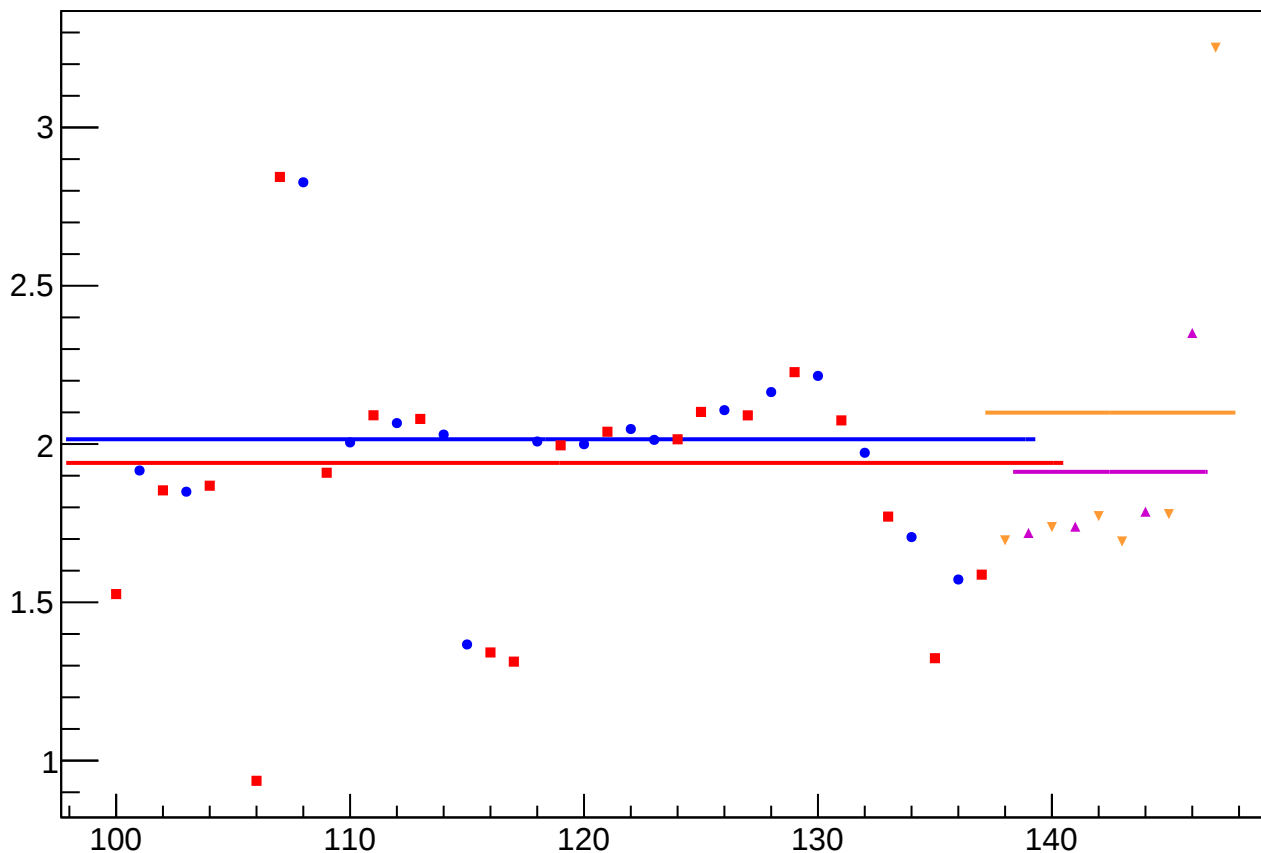
Left In: 0.006+/-0.000 χ^2/NDF : 17145.0/3

0.006+/-0.000 χ^2/NDF : 1946881.3/22

0.006+/-0.000 χ^2/NDF : 3700664.3/46

0.006+/-0.000 χ^2/NDF : 1751092.6/23

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.015+/-0.000 χ^2/NDF : 12228403202.6/16

Left Out: 2.099+/-0.000 χ^2/NDF : 25312487241.8/5

Right Out: 1.940+/-0.000 χ^2/NDF : 21732099424.5/19

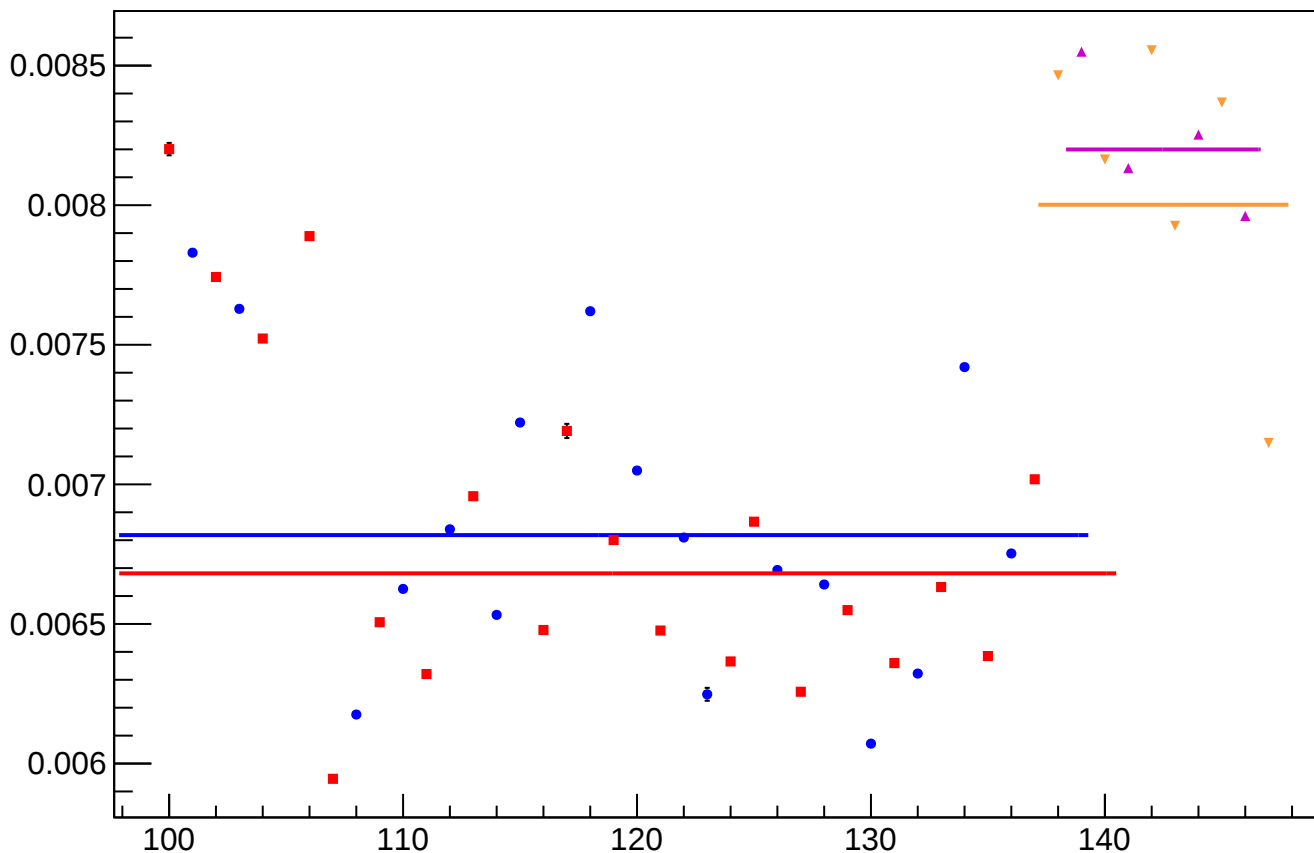
Left In: 1.912+/-0.000 χ^2/NDF : 3242918117.6/3

2.041+/-0.000 χ^2/NDF : 37835668132.3/22

1.987+/-0.000 χ^2/NDF : 63964798458.0/4

1.934+/-0.000 χ^2/NDF : 25002959728.1/23

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 : 31853.4/5

Right Out: 0.007+/-0.000 χ^2/NDF : 76121.2/19

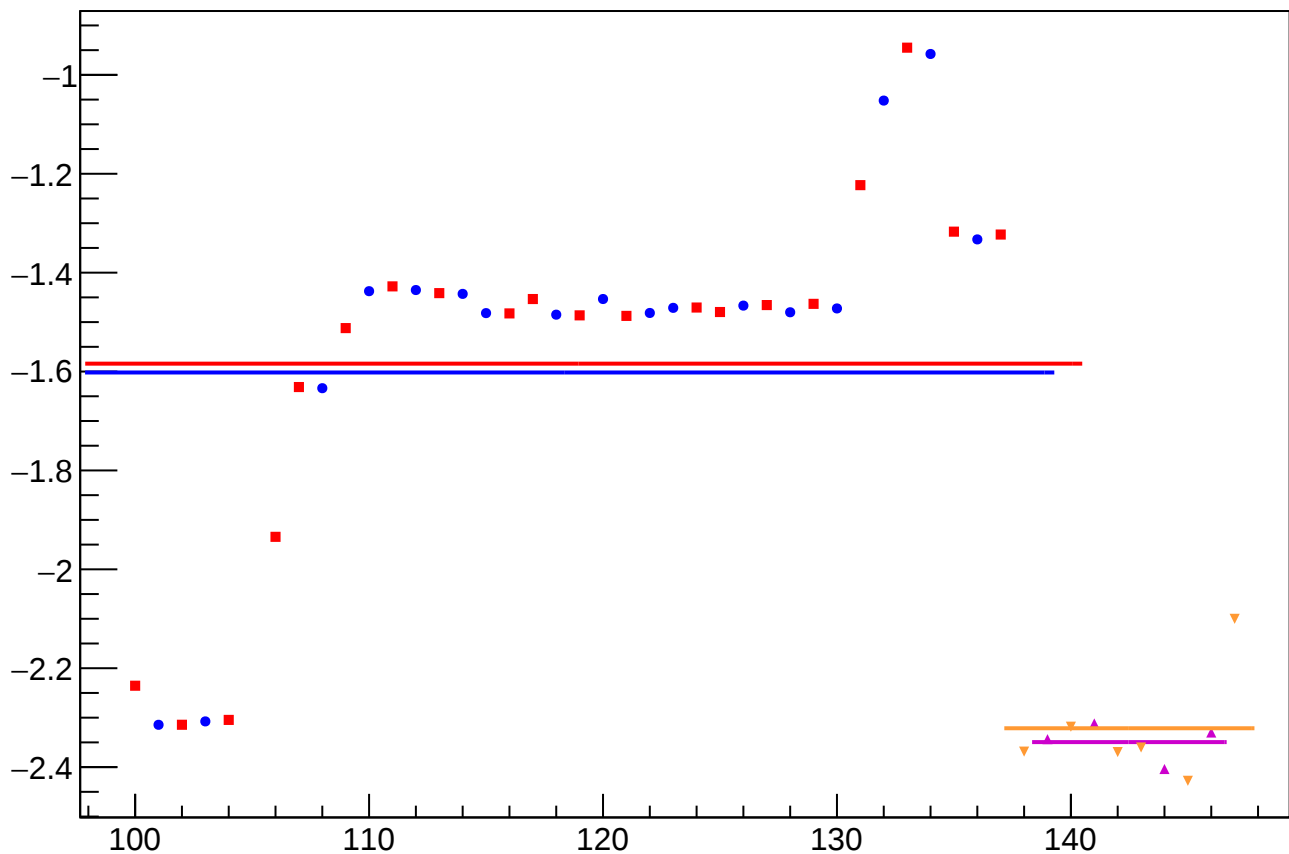
Left In: 0.008+/-0.000 χ^2/NDF : 3733.9/3

0.007+/-0.000 χ^2/NDF : 224369.0/22

0.007+/-0.000 χ^2/NDF : 470231.6/46

0.007+/-0.000 χ^2/NDF : 241449.1/23

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -2.321+/-0.000 χ^2/NDF : 5001548542.5/5

Right Out: -1.584+/-0.000 χ^2/NDF : 143612120137.8/19

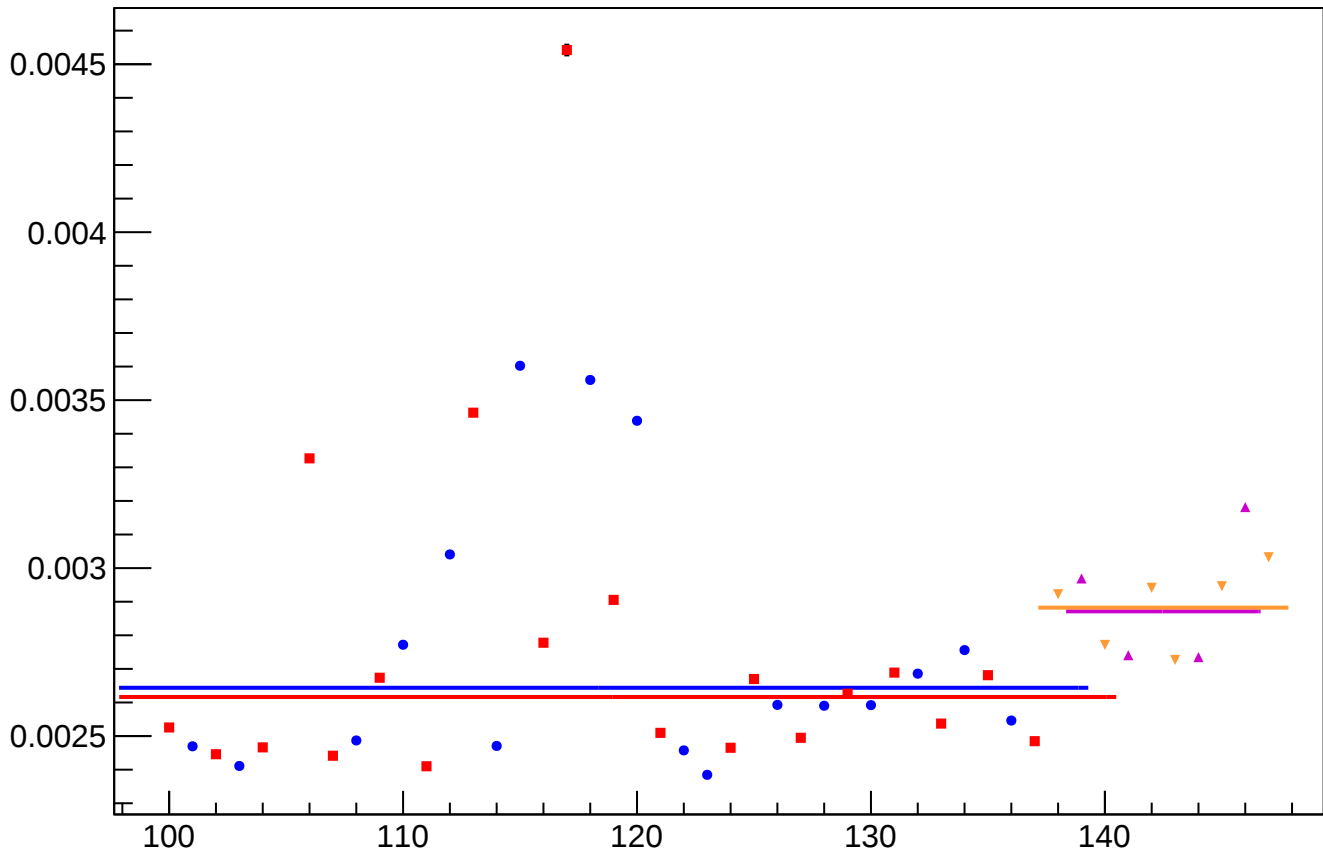
Left In: -2.349+/-0.000 χ^2/NDF : 500445610.5/3

-1.841+/-0.000 χ^2/NDF : 299924939244.6/22

-1.815+/-0.000 χ^2/NDF : 599125931443.3

-1.788+/-0.000 χ^2/NDF : 297322075057.5/23

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 :10594.0/5

Right Out: 0.003+/-0.000 χ^2/NDF : 119852.1/19

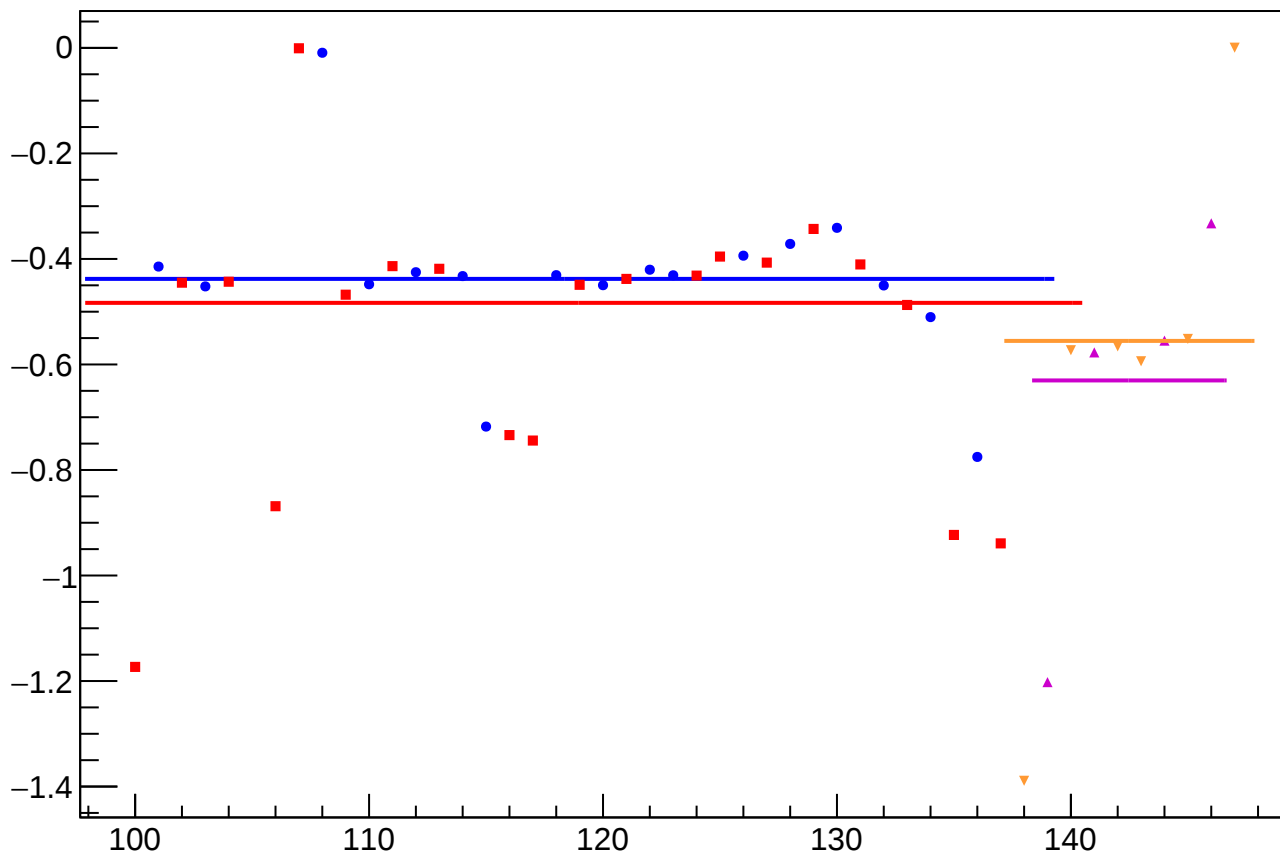
Left In: 0.003+/-0.000 χ^2/NDF :22466.0/3

0.003+/-0.000 χ^2/NDF : 195985.5/22

0.003+/-0.000 χ^2/NDF : 374310.7/46

0.003+/-0.000 χ^2/NDF : 176312.1/23

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.438 $\pm$ 0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.555 $\pm$ 0.000 χ^2/NDF : 3899902519.6/5

Right Out: -0.483 $\pm$ 0.000 χ^2/NDF : 2714164016.2/19

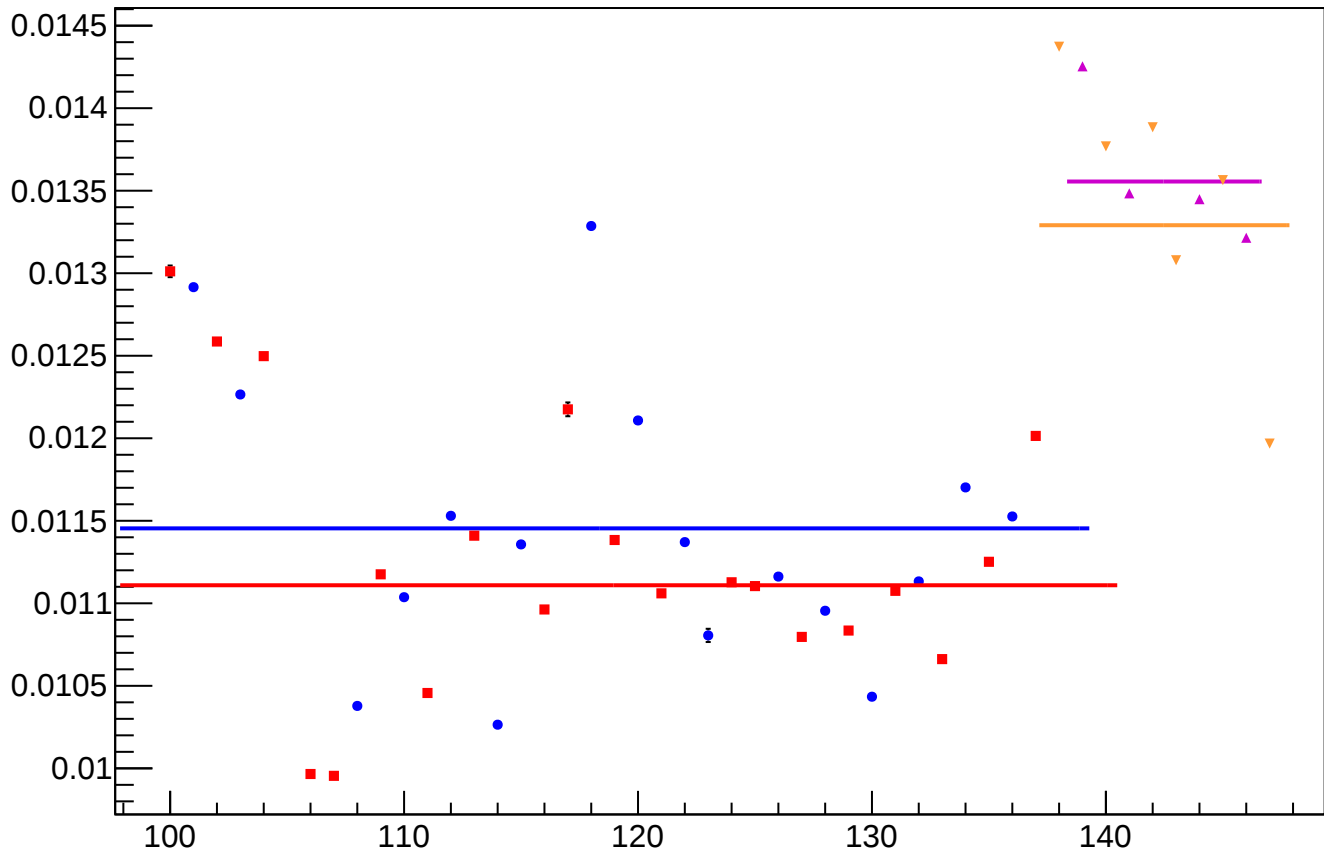
Left In: -0.630 $\pm$ 0.000 χ^2/NDF : 1465426281.3/3

-0.474 $\pm$ 0.000 χ^2/NDF : 5569630379.5/22

-0.495 $\pm$ 0.000 χ^2/NDF : 10088622499.9/4

-0.516 $\pm$ 0.000 χ^2/NDF : 4453626684.7/23

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 : 30126.3/5

Right Out: 0.011+/-0.000 χ^2/NDF : 56696.9/19

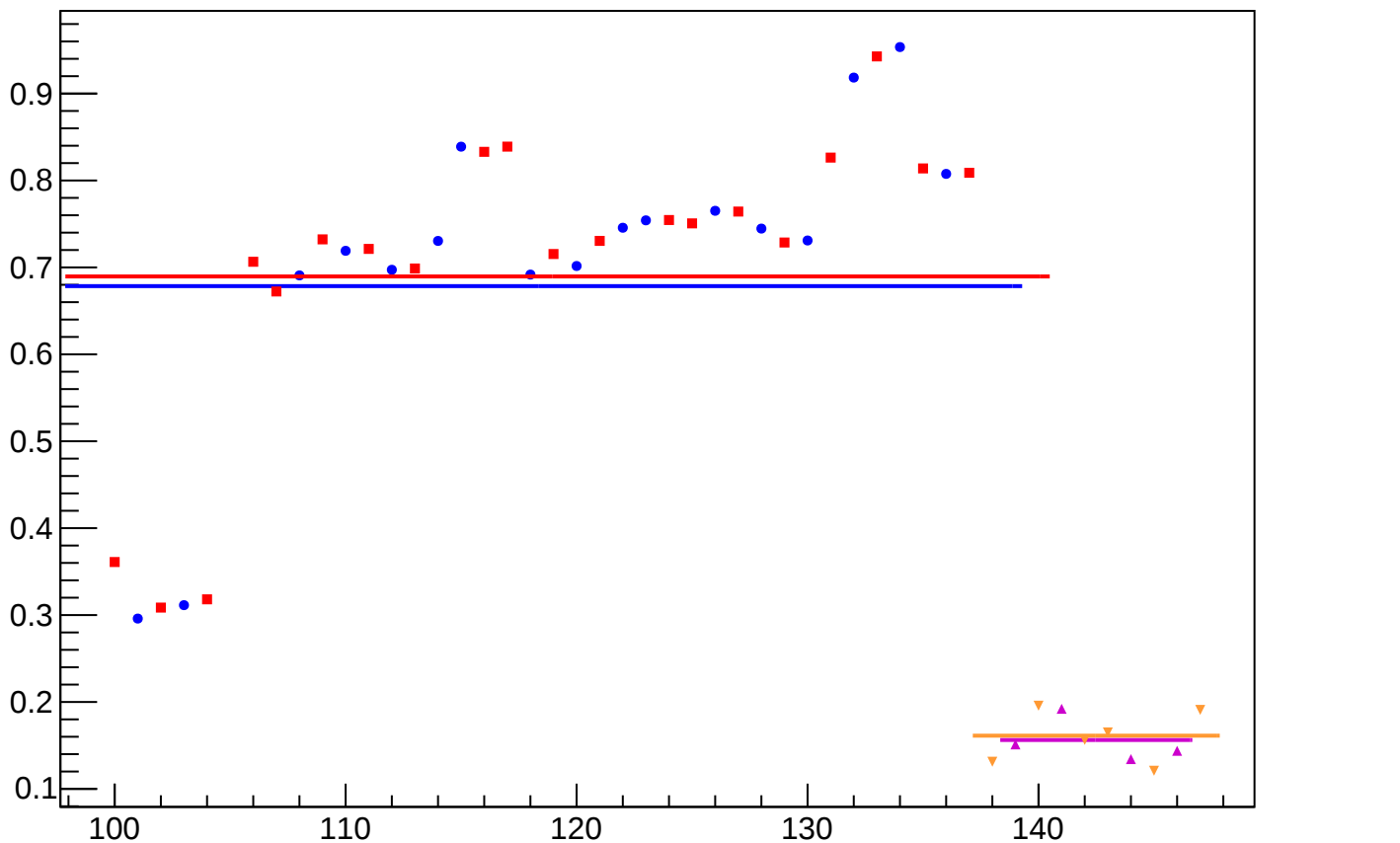
Left In: 0.014+/-0.000 χ^2/NDF : 4264.6/3

0.012+/-0.000 χ^2/NDF : 196042.0/22

0.012+/-0.000 χ^2/NDF : 417770.7/46

0.012+/-0.000 χ^2/NDF : 212668.7/23

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38506442638.3/16

Left Out: 0.161 $\pm$ 0.000 χ^2 /NDF: 750899670.8/5

Right Out: 0.690 $\pm$ 0.000 χ^2 /NDF: 35439496983.3/19

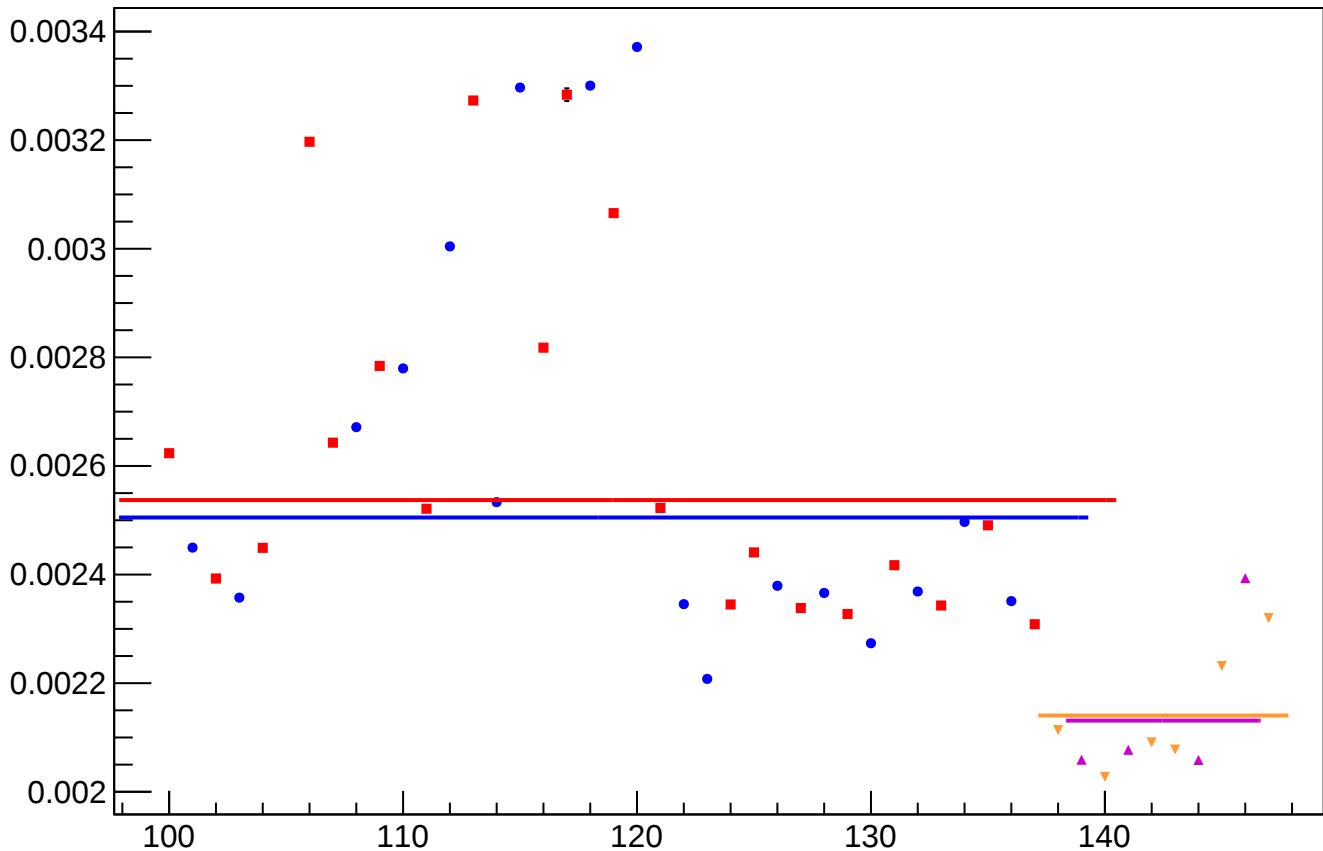
Left In: 0.156 $\pm$ 0.000 χ^2 /NDF: 372046808.2/3

0.438 $\pm$ 0.000 χ^2 /NDF: 165683236209.3/22

0.457 $\pm$ 0.000 χ^2 /NDF: 321526523401.3/23

0.477 $\pm$ 0.000 χ^2 /NDF: 154436607485.7/23

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 :18479.6/5

Right Out: 0.003+/-0.000 χ^2/NDF : 135649.7/19

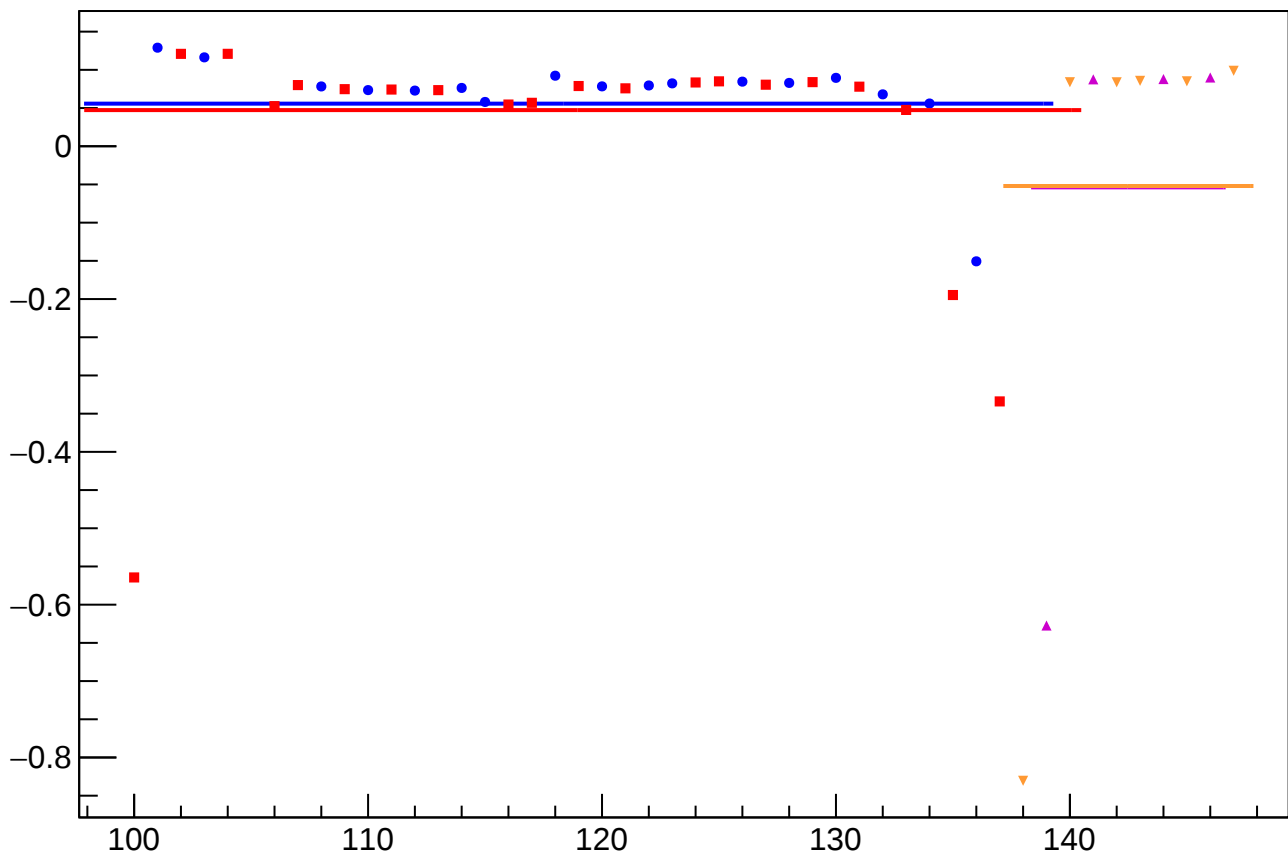
Left In: 0.002+/-0.000 χ^2/NDF :24023.3/3

0.002+/-0.000 χ^2/NDF : 319643.2/22

0.002+/-0.000 χ^2/NDF : 619776.7/46

0.002+/-0.000 χ^2/NDF : 297227.7/23

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.052+/-0.000 χ^2/NDF : 2895821734.6/5

Right Out: 0.047+/-0.000 χ^2/NDF : 819626031.7/19

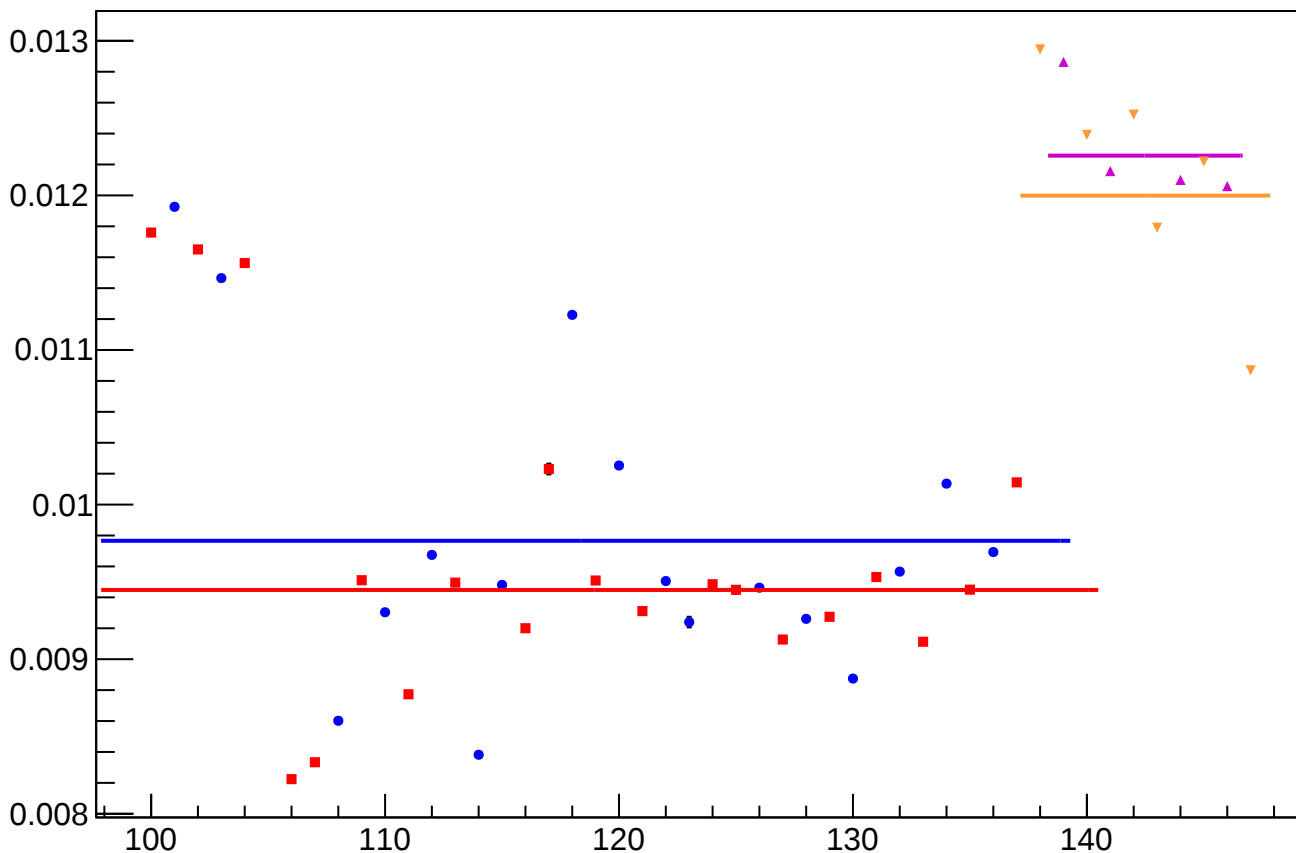
Left In: -0.054+/-0.000 χ^2/NDF : 1626718631.3/3

0.025+/-0.000 χ^2/NDF : 3539528481.5/22

0.026+/-0.000 χ^2/NDF : 6148234327.3/46

0.027+/-0.000 χ^2/NDF : 2608629187.7/23

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: 27210.2/5

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 111197.0/19

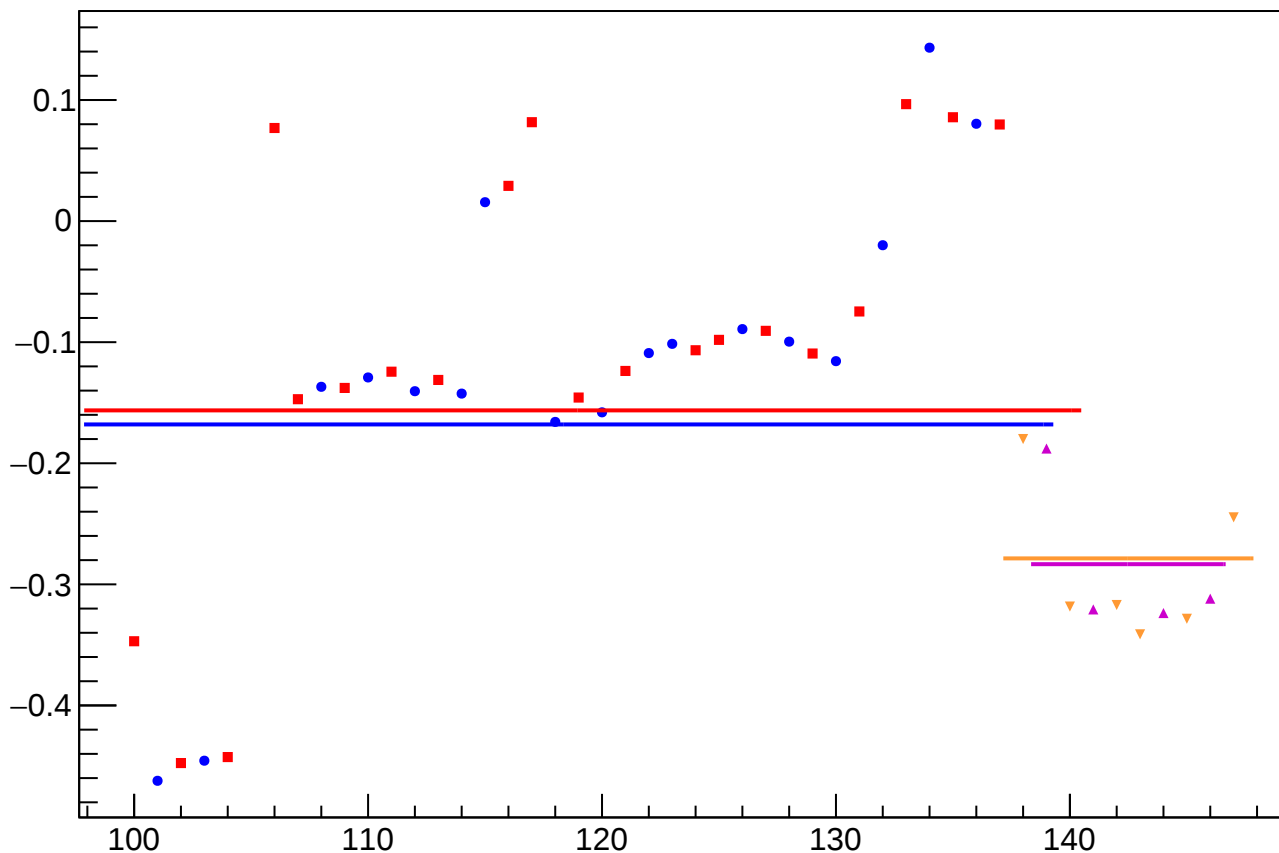
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 3689.3/3

0.010 $\pm$ 0.000 χ^2 /NDF: 333266.6/22

0.010 $\pm$ 0.000 χ^2 /NDF: 712017.9/46

0.010 $\pm$ 0.000 χ^2 /NDF: 365386.3/23

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.168 ± 0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.279 ± 0.000 χ^2/NDF : 1588178178.5/5

Right Out: -0.156 ± 0.000 χ^2/NDF : 11061140252.3/19

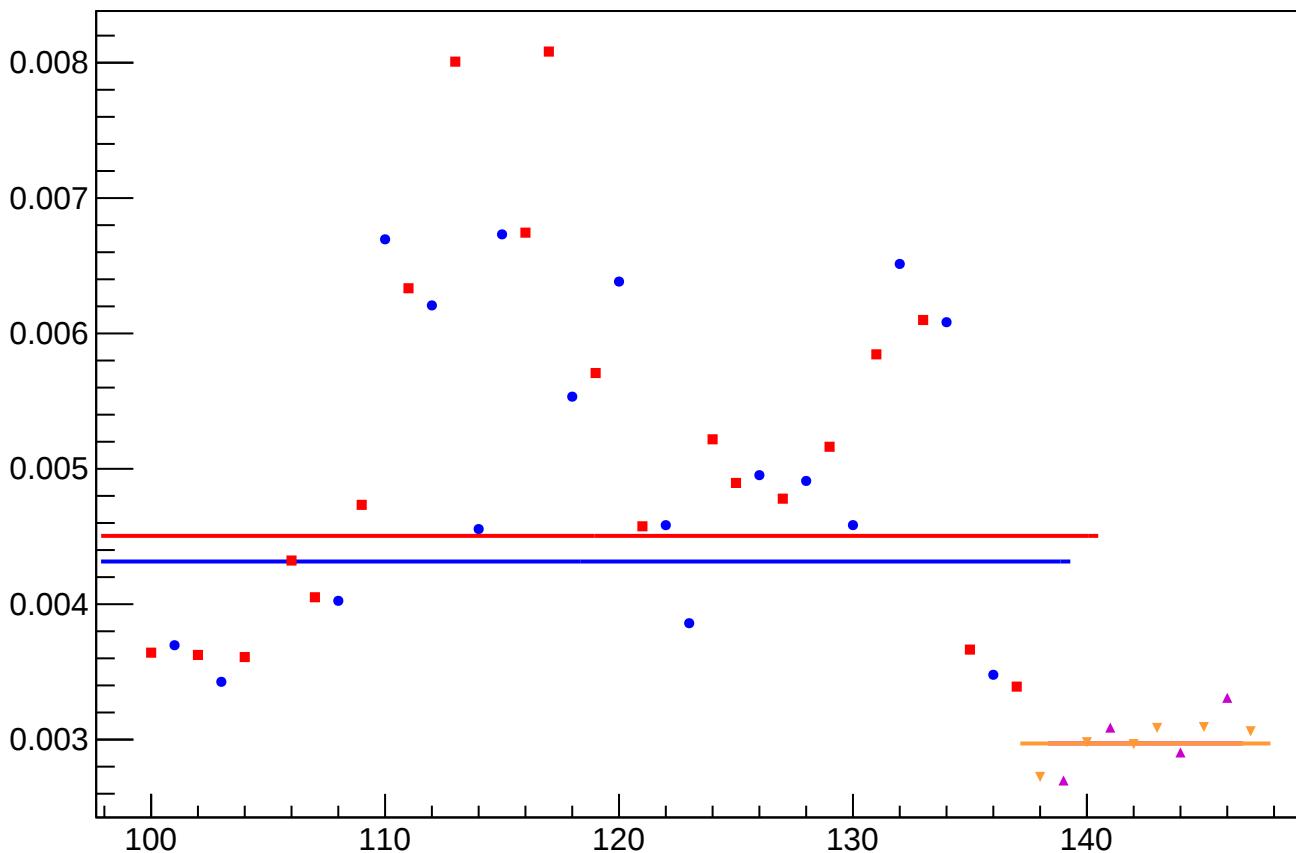
Left In: -0.283 ± 0.000 χ^2/NDF : 1149328464.7/3

-0.232 ± 0.000 χ^2/NDF : 16120987052.0/22

-0.227 ± 0.000 χ^2/NDF : 30937886604.9/4

-0.222 ± 0.000 χ^2/NDF : 14785401410.4/23

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 : 16352.3/5

Right Out: 0.005 $\pm$ 0.000 χ^2/NDF : 665152.6/19

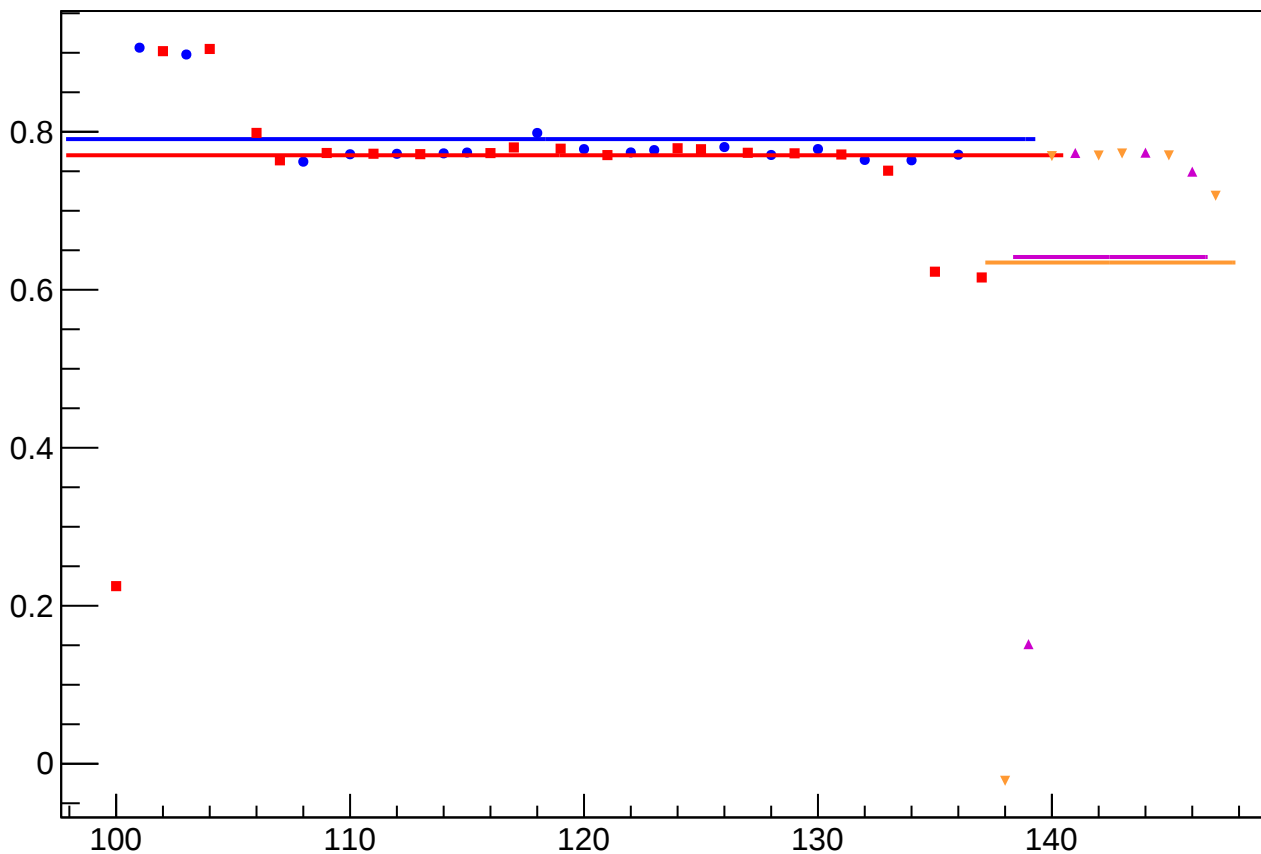
Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 31377.8/3

0.004 $\pm$ 0.000 χ^2/NDF : 1285987.4/22

0.004 $\pm$ 0.000 χ^2/NDF : 2752735.4/46

0.004 $\pm$ 0.000 χ^2/NDF : 1446943.1/23

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106705767.1/16

Left Out: 0.634 $\pm$ 0.000 χ^2 /NDF: 2263402557.5/5

Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375473971.0/19

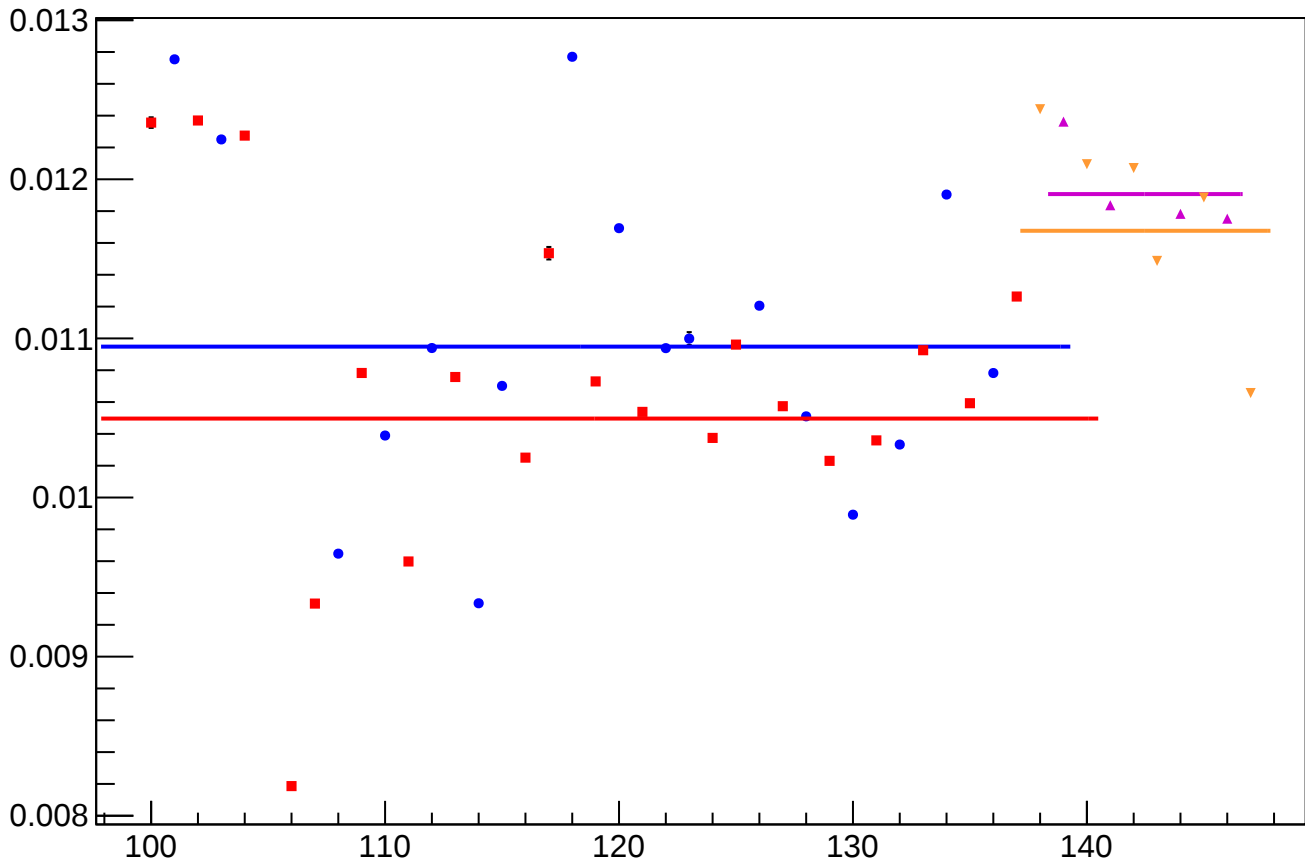
Left In: 0.641 $\pm$ 0.000 χ^2 /NDF: 1301037331.5/3

0.737 $\pm$ 0.000 χ^2 /NDF: 2822001550.7/22

0.737 $\pm$ 0.000 χ^2 /NDF: 4762694132.4/46

0.738 $\pm$ 0.000 χ^2 /NDF: 1940666343.4/23

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 98551.4/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:22432.8/5

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 120120.6/19

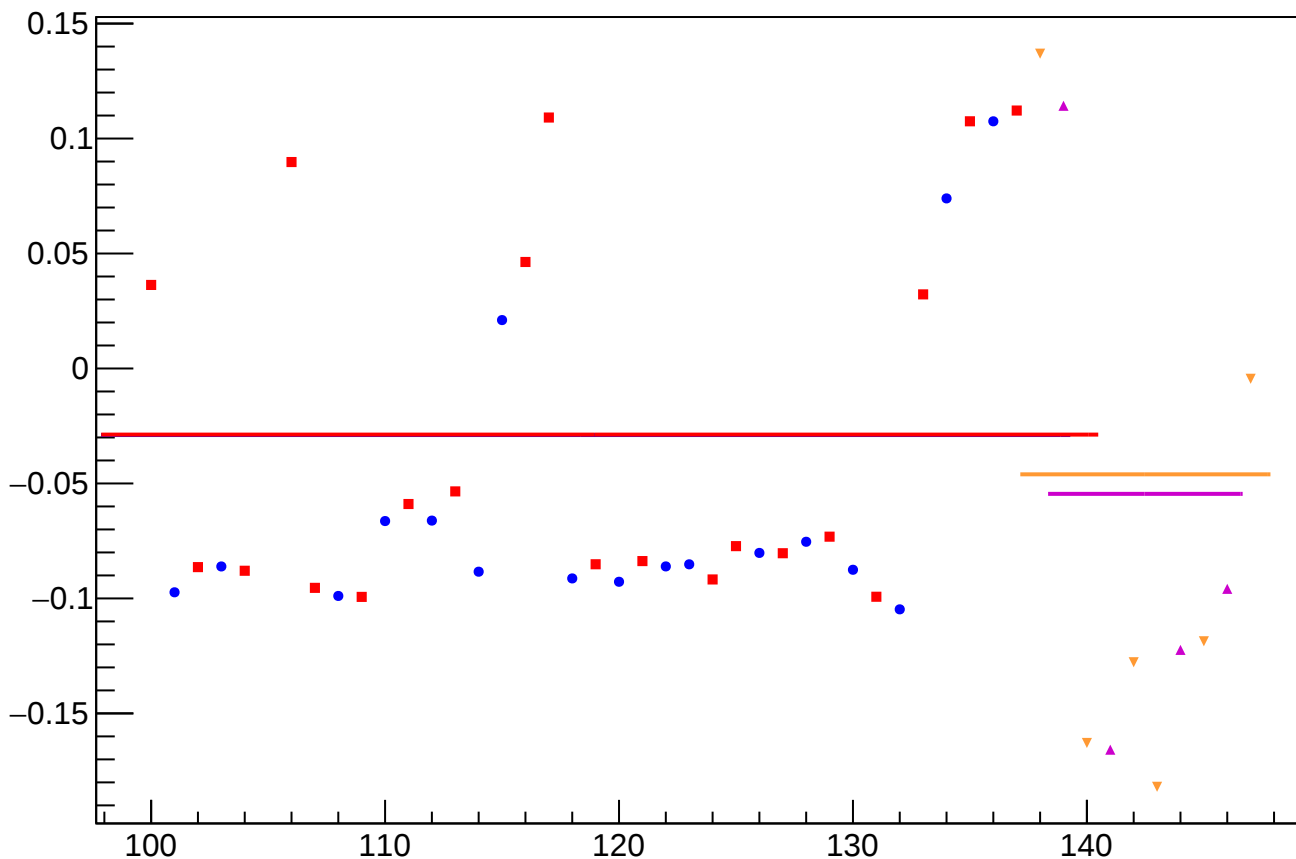
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:2283.8/3

0.011 $\pm$ 0.000 χ^2 /NDF: 140612.8/22

0.011 $\pm$ 0.000 χ^2 /NDF: 336401.5/46

0.011 $\pm$ 0.000 χ^2 /NDF: 185821.7/23

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.046+/-0.000 χ^2/NDF : 4655431532.2/5

Right Out: -0.029+/-0.000 χ^2/NDF : 2122918772.1/19

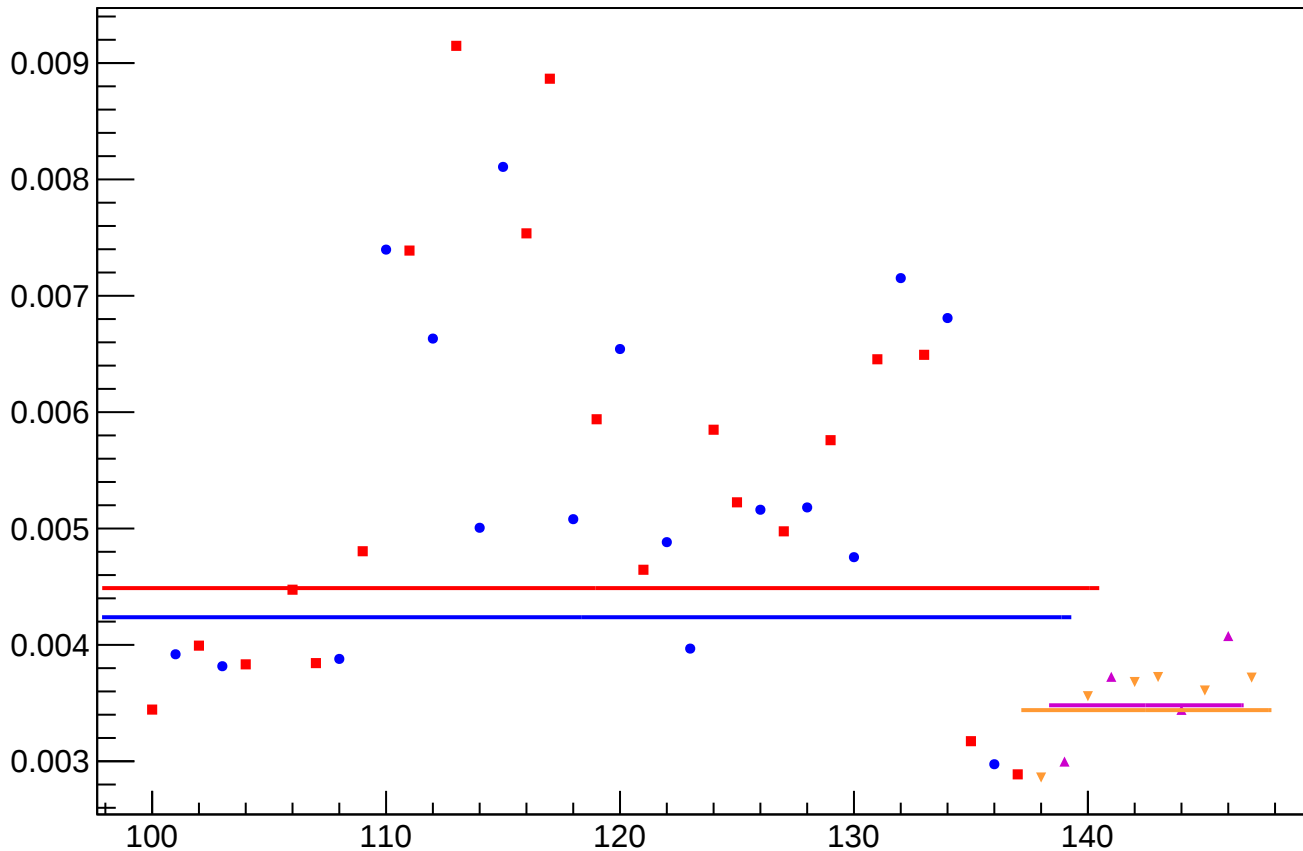
Left In: -0.055+/-0.000 χ^2/NDF : 3065862226.1/3

-0.037+/-0.000 χ^2/NDF : 7145784373.6/22

-0.039+/-0.000 χ^2/NDF : 12422113455.6/4

-0.040+/-0.000 χ^2/NDF : 5274320523.9/23

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 881584.1/16

Left Out: 0.003+/-0.000 χ^2/NDF : 76527.4/5

Right Out: 0.004+/-0.000 χ^2/NDF : 1003473.4/19

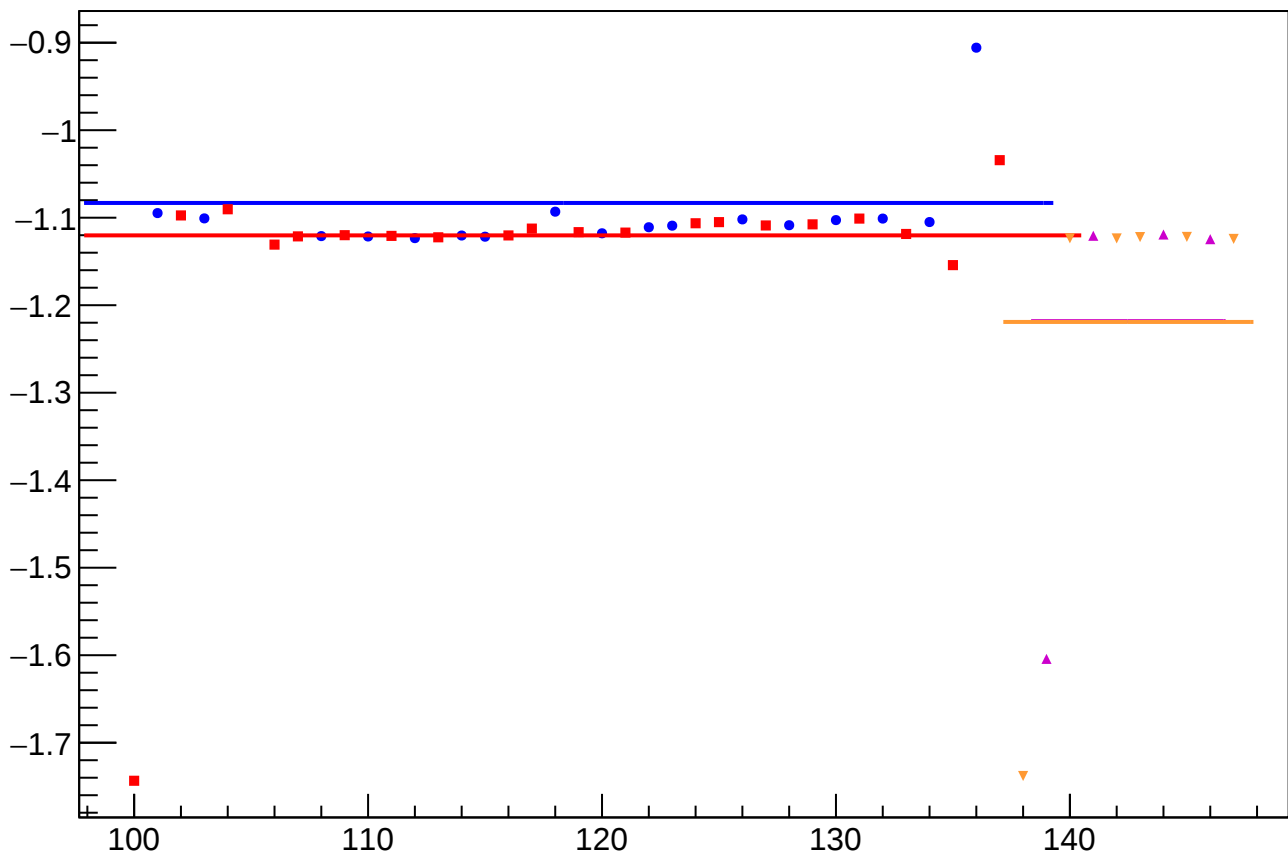
Left In: 0.003+/-0.000 χ^2/NDF : 68653.3/3

0.004+/-0.000 χ^2/NDF : 1151789.9/22

0.004+/-0.000 χ^2/NDF : 2508419.8/46

0.004+/-0.000 χ^2/NDF : 1333328.7/23

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -1.083+/-0.000 χ^2/NDF : 202920901.6/16

Left Out: -1.219+/-0.000 χ^2/NDF : 1758979645.2/5

Right Out: -1.120+/-0.000 χ^2/NDF : 220586820.0/19

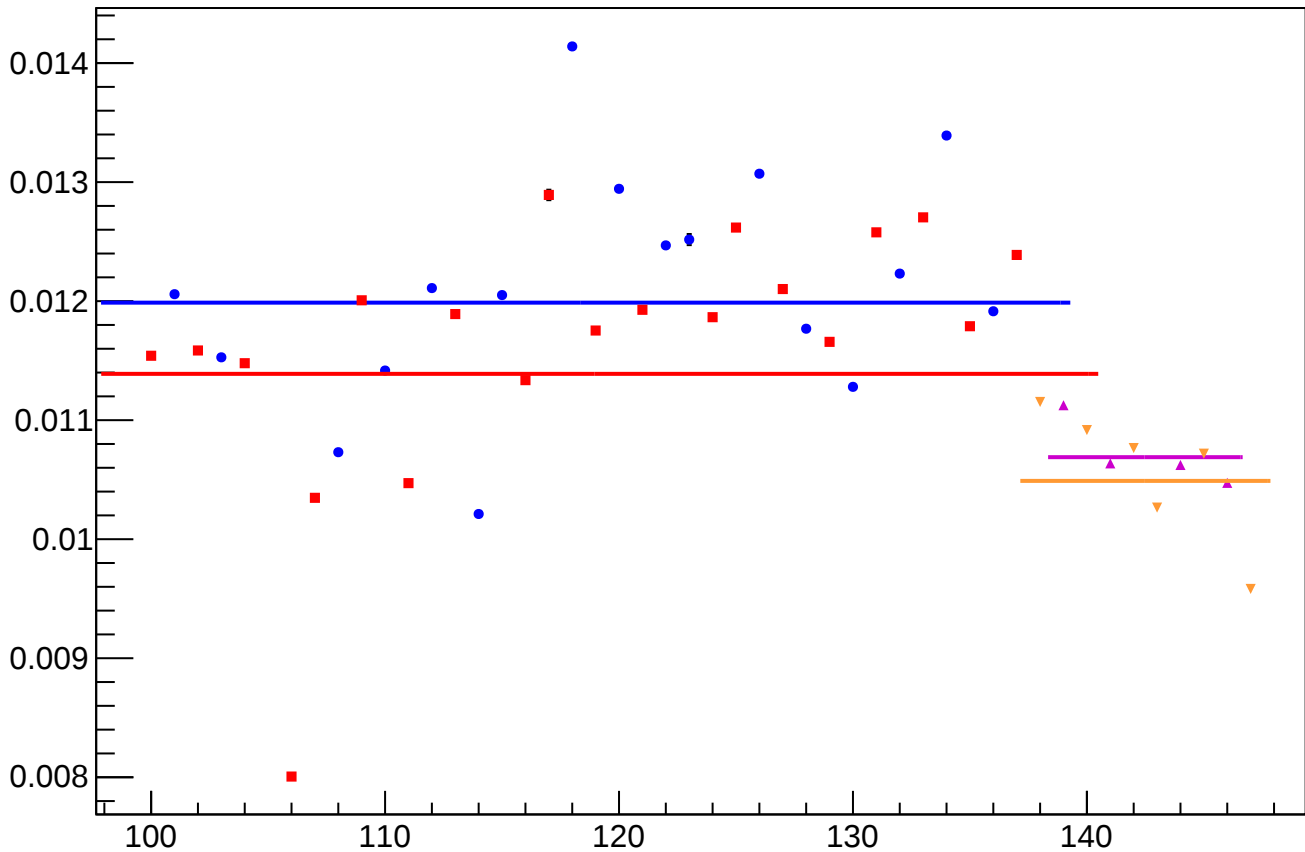
Left In: -1.218+/-0.000 χ^2/NDF : 996236141.5/3

-1.143+/-0.000 χ^2/NDF : 2327090951.7/22

-1.148+/-0.000 χ^2/NDF : 3718266085.3/40

-1.153+/-0.000 χ^2/NDF : 1387290154.3/23

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:22561.3/5

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 155700.3/19

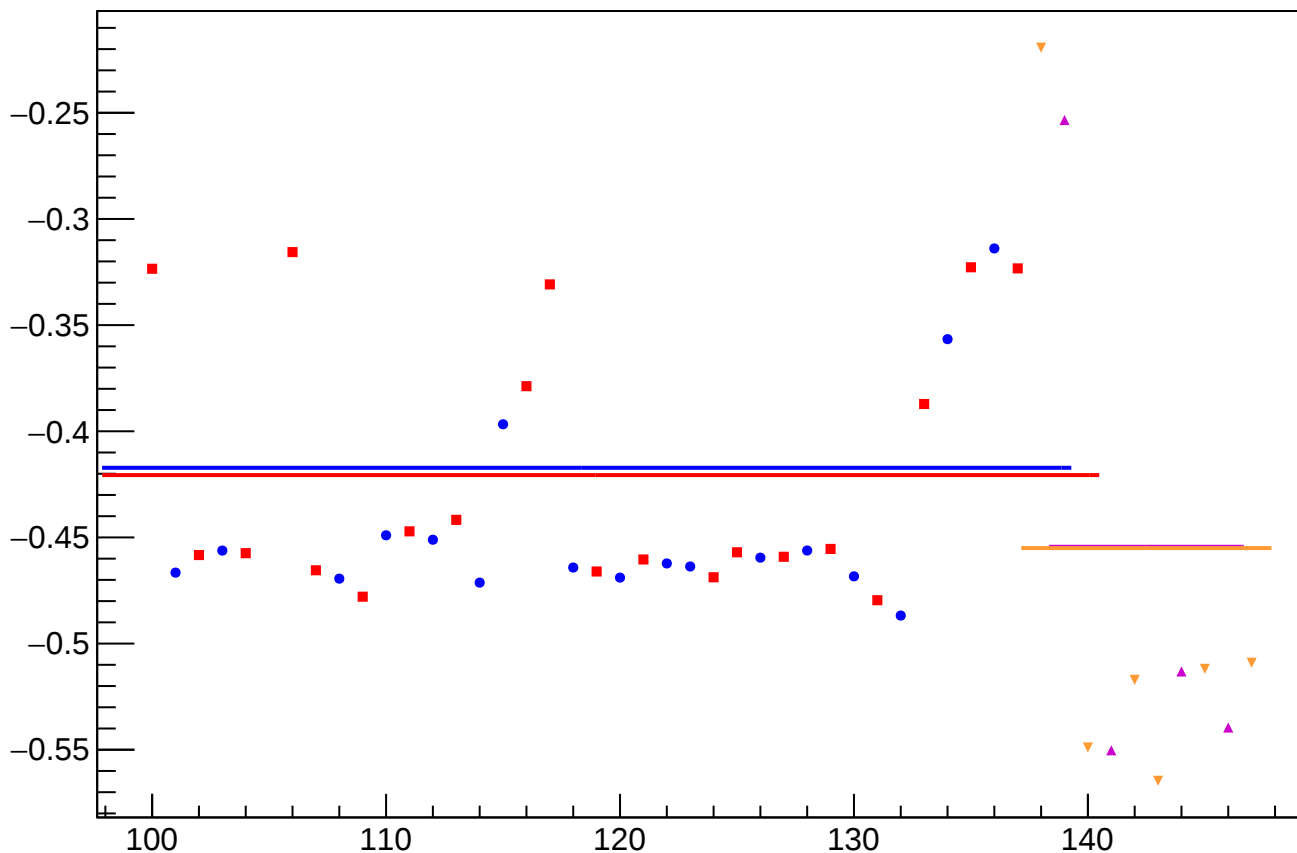
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:2777.3/3

0.011 $\pm$ 0.000 χ^2 /NDF: 171545.7/22

0.011 $\pm$ 0.000 χ^2 /NDF: 349784.8/46

0.011 $\pm$ 0.000 χ^2 /NDF: 175874.7/23

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.455+/-0.000 χ^2/NDF : 4526698042.2/5

Right Out: -0.421+/-0.000 χ^2/NDF : 1652792044.5/19

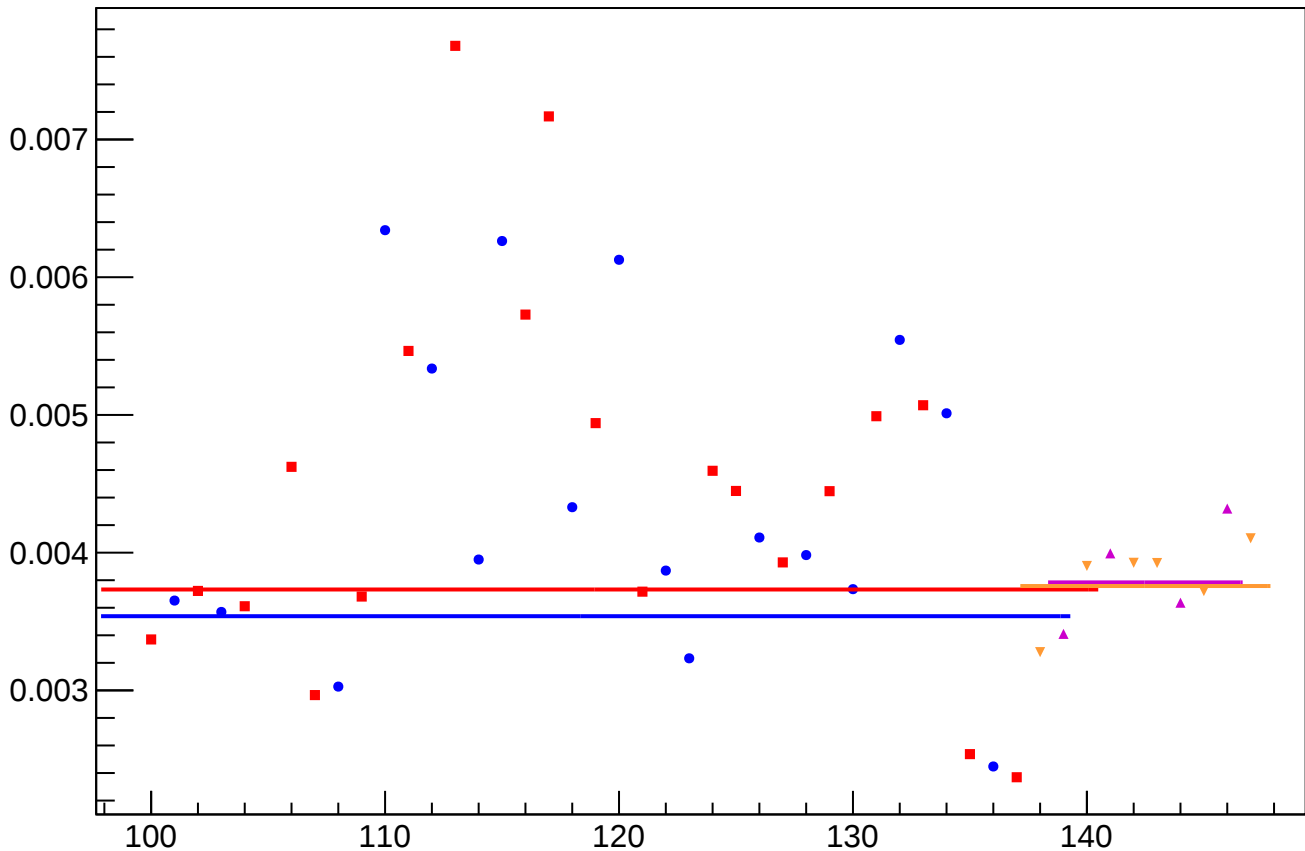
Left In: -0.454+/-0.000 χ^2/NDF : 3082806833.0/3

-0.431+/-0.000 χ^2/NDF : 6794989998.6/22

-0.431+/-0.000 χ^2/NDF : 11682735967.1/4

-0.431+/-0.000 χ^2/NDF : 4887738485.2/23

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: 43572.2/5

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 916963.6/19

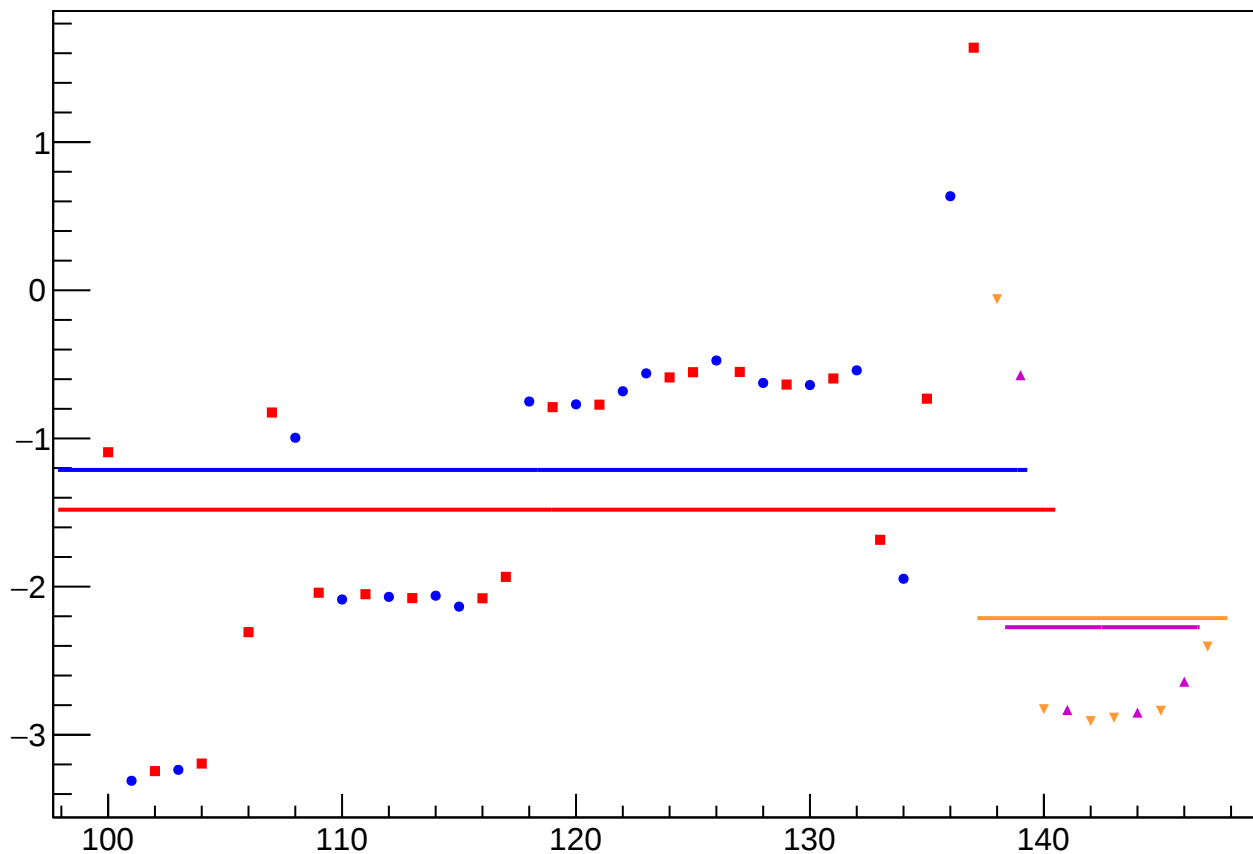
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF: 42368.0/3

0.004 $\pm$ 0.000 χ^2 /NDF: 895103.2/22

0.004 $\pm$ 0.000 χ^2 /NDF: 1866041.0/46

0.004 $\pm$ 0.000 χ^2 /NDF: 960039.6/23

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.212 $\pm$ 0.000 χ^2/NDF : 1992853443.9/16

Left Out: -2.213 $\pm$ 0.000 χ^2/NDF : 843311645.4/5

Right Out: -1.481 $\pm$ 0.000 χ^2/NDF : 1579722113.8/19

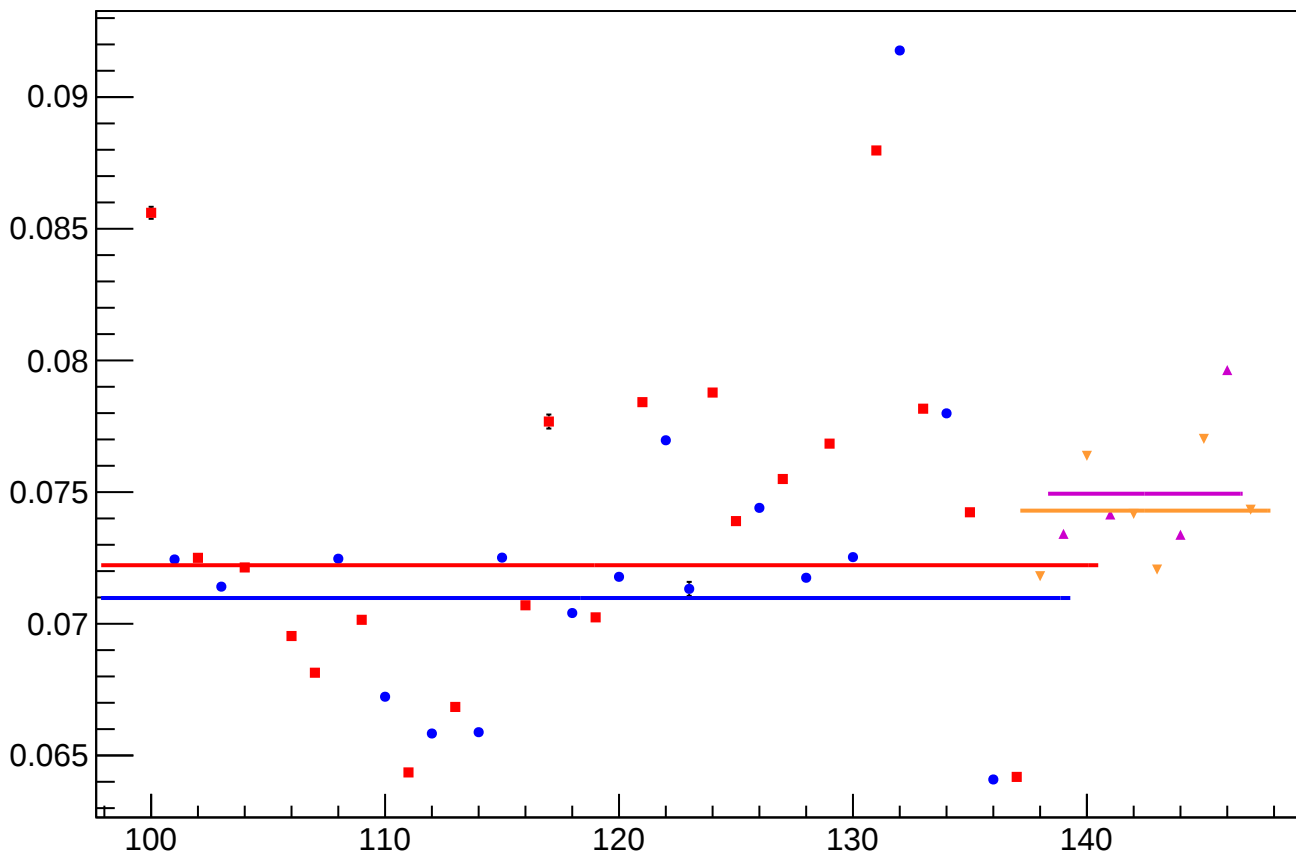
Left In: -2.274 $\pm$ 0.000 χ^2/NDF : 476941992.3/3

-1.566 $\pm$ 0.000 χ^2/NDF : 3297531187.1/22

-1.635 $\pm$ 0.000 χ^2/NDF : 5617667097.7/40

-1.709 $\pm$ 0.000 χ^2/NDF : 2300067644.3/23

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.071+/-0.000 χ^2/NDF : 77589.5/16

Left Out: 0.074+/-0.000 χ^2/NDF : 5764.1/5

Right Out: 0.072+/-0.000 χ^2/NDF : 73650.9/19

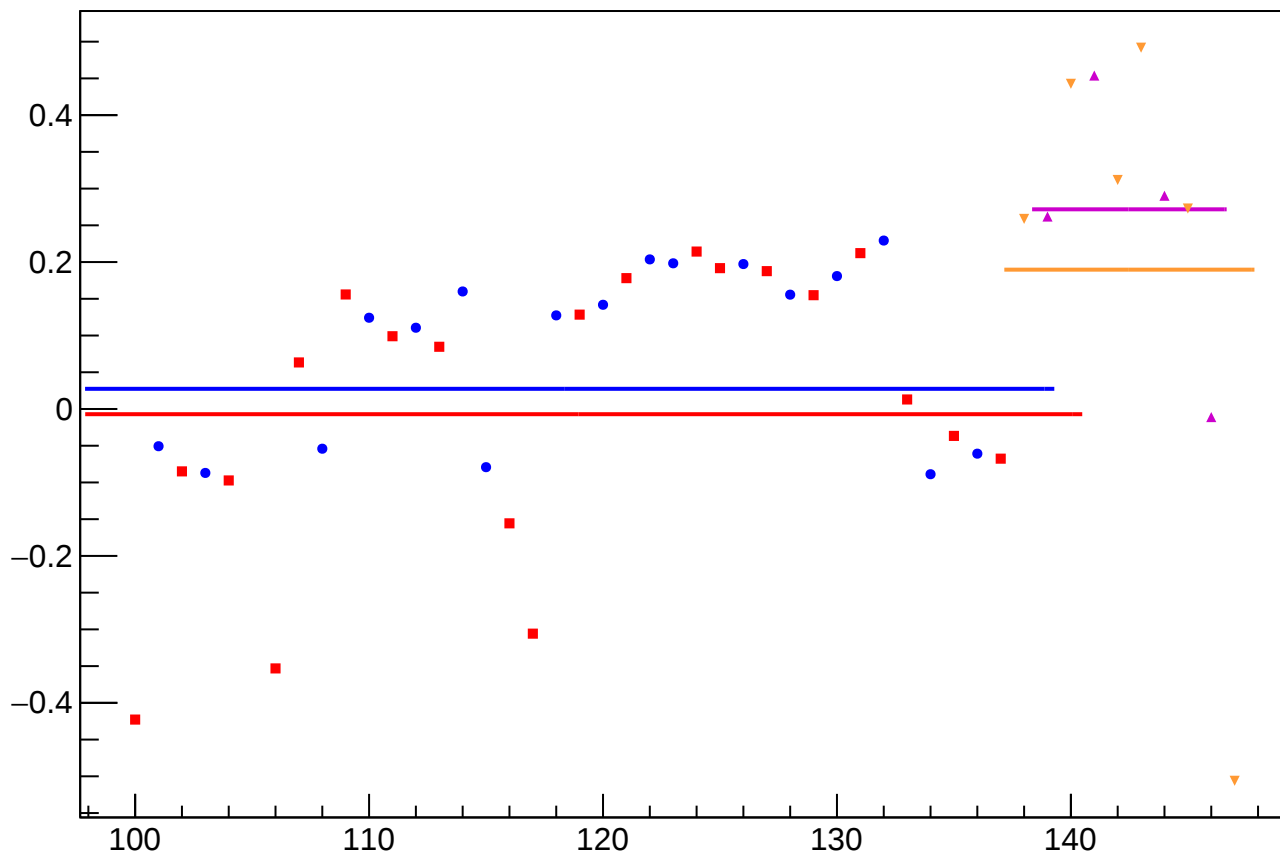
Left In: 0.075+/-0.000 χ^2/NDF : 6662.4/3

0.072+/-0.000 χ^2/NDF : 93509.6/22

0.073+/-0.000 χ^2/NDF : 180954.2/46

0.073+/-0.000 χ^2/NDF : 86018.9/23

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 0.027 $\pm$ 0.000 χ^2/NDF : 562337631.4/16

Left Out: 0.190 $\pm$ 0.000 χ^2/NDF :5641364781.8/5

Right Out: -0.007 $\pm$ 0.000 χ^2/NDF : 1207003891.2/19

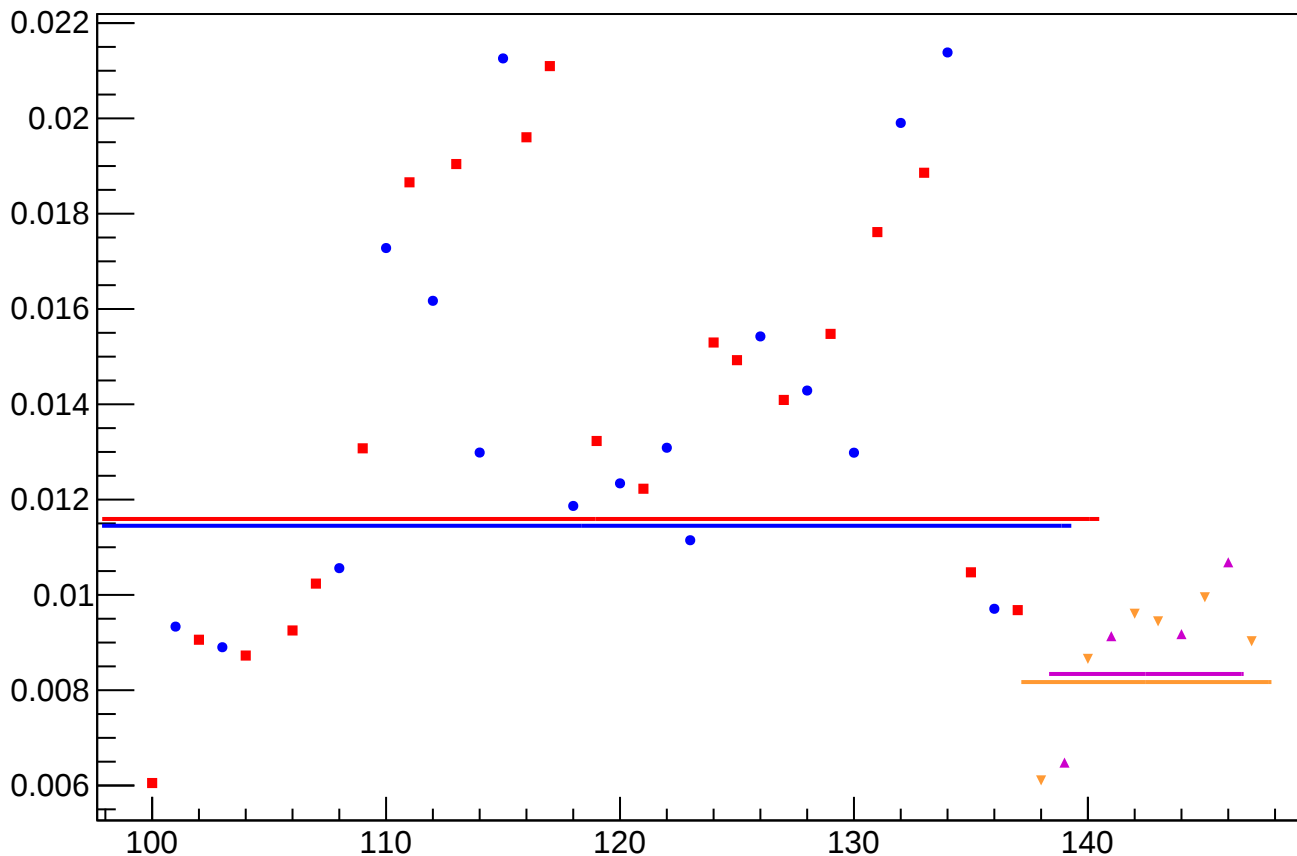
Left In: 0.272 $\pm$ 0.000 χ^2/NDF :764302461.0/3

0.116 $\pm$ 0.000 χ^2/NDF : 6832740120.0/22

0.120 $\pm$ 0.000 χ^2/NDF : 10425171865.6/4

0.124 $\pm$ 0.000 χ^2/NDF : 3589732730.2/23

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 679628.0/16

Left Out: 0.008+/-0.000 χ^2/NDF :250014.5/5

Right Out: 0.012+/-0.000 χ^2/NDF : 1012799.2/19

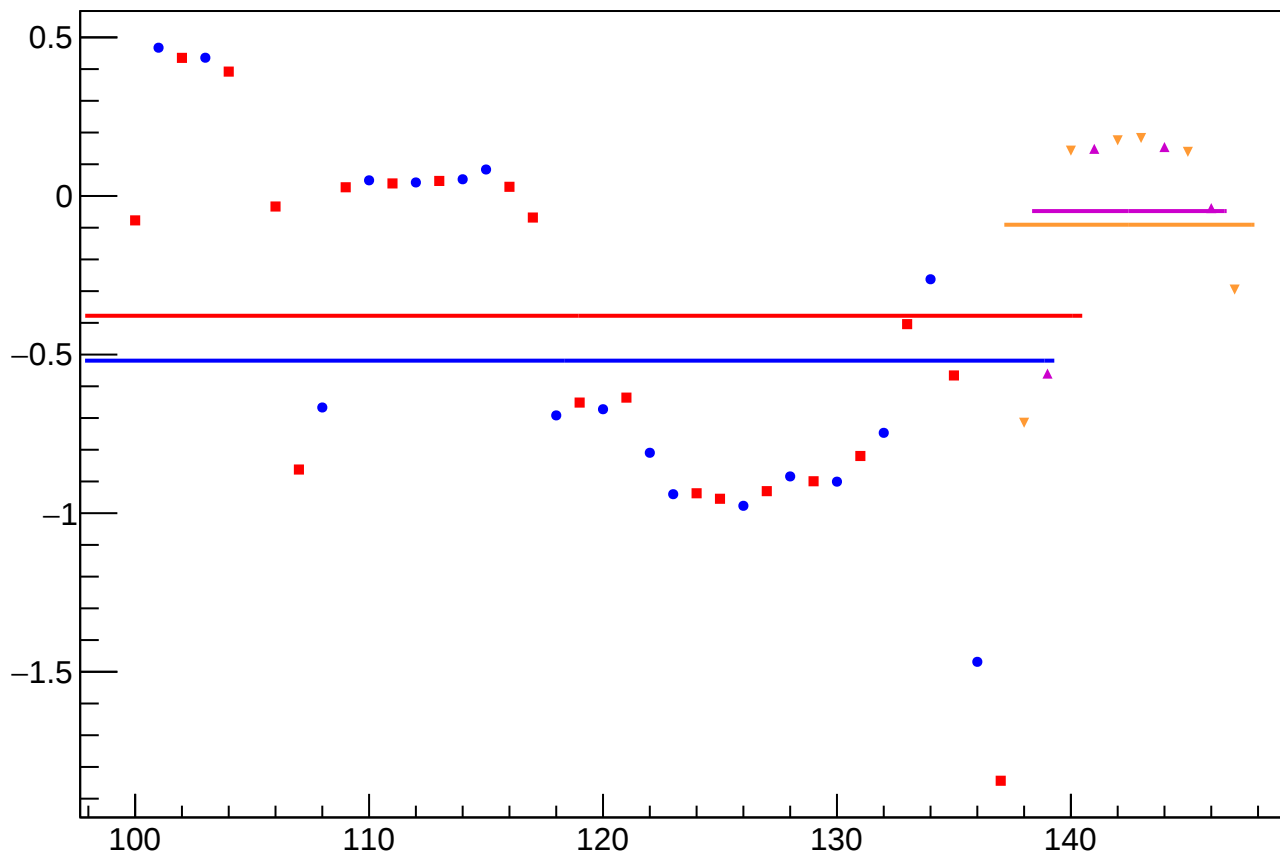
Left In: 0.008+/-0.000 χ^2/NDF :193484.6/3

0.010+/-0.000 χ^2/NDF : 1443995.0/22

0.010+/-0.000 χ^2/NDF : 3105396.8/46

0.010+/-0.000 χ^2/NDF : 1646629.2/23

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.519 $\pm$ 0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.091 $\pm$ 0.000 χ^2/NDF : 66096426.8/5

Right Out: -0.378 $\pm$ 0.000 χ^2/NDF : 269130827.6/19

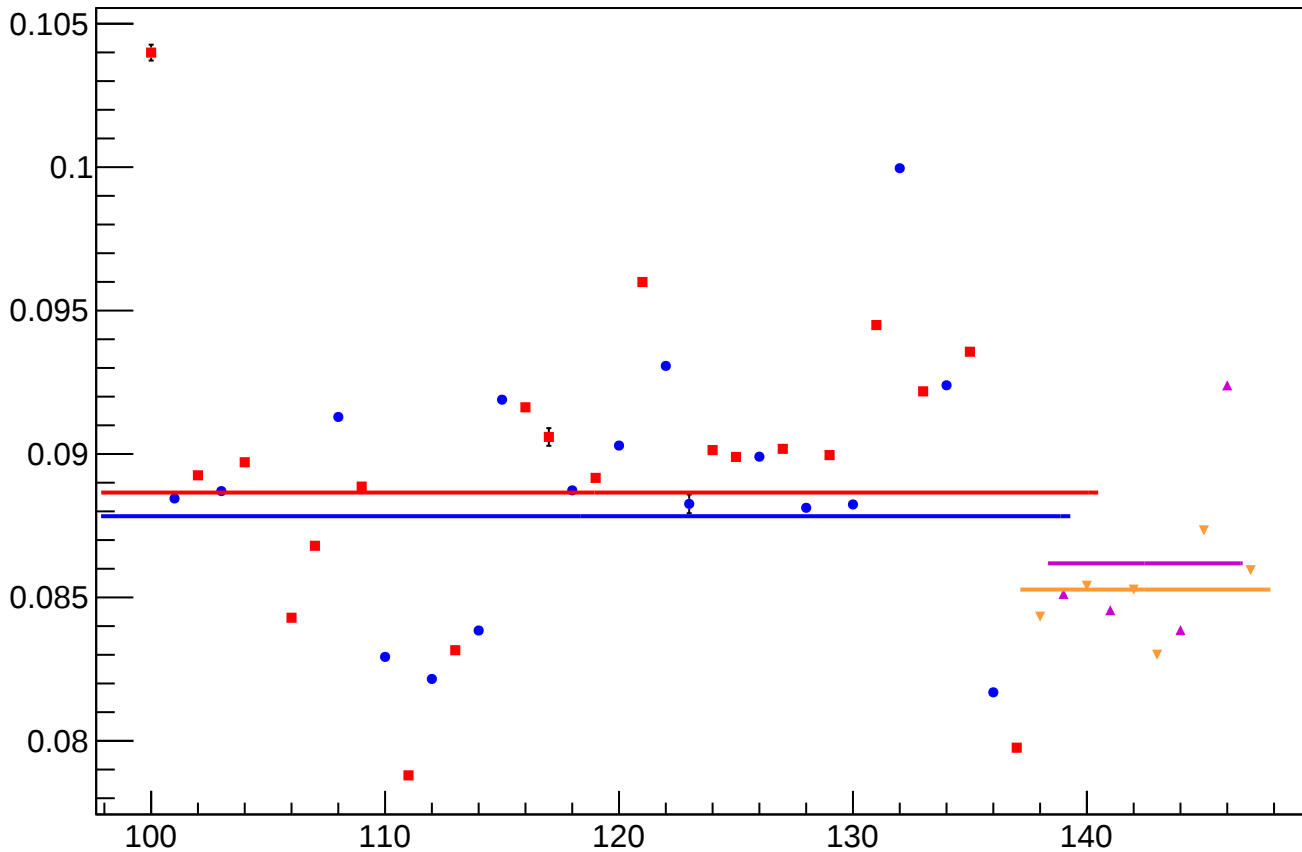
Left In: -0.048 $\pm$ 0.000 χ^2/NDF : 34040029.6/3

-0.351 $\pm$ 0.000 χ^2/NDF : 467739418.0/22

-0.313 $\pm$ 0.000 χ^2/NDF : 806605134.6/46

-0.273 $\pm$ 0.000 χ^2/NDF : 334601016.2/23

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.088 $\pm$ 0.000 χ^2/NDF : 34954.4/16

Left Out: 0.085 $\pm$ 0.000 χ^2/NDF :1993.4/5

Right Out: 0.089 $\pm$ 0.000 χ^2/NDF : 39762.8/19

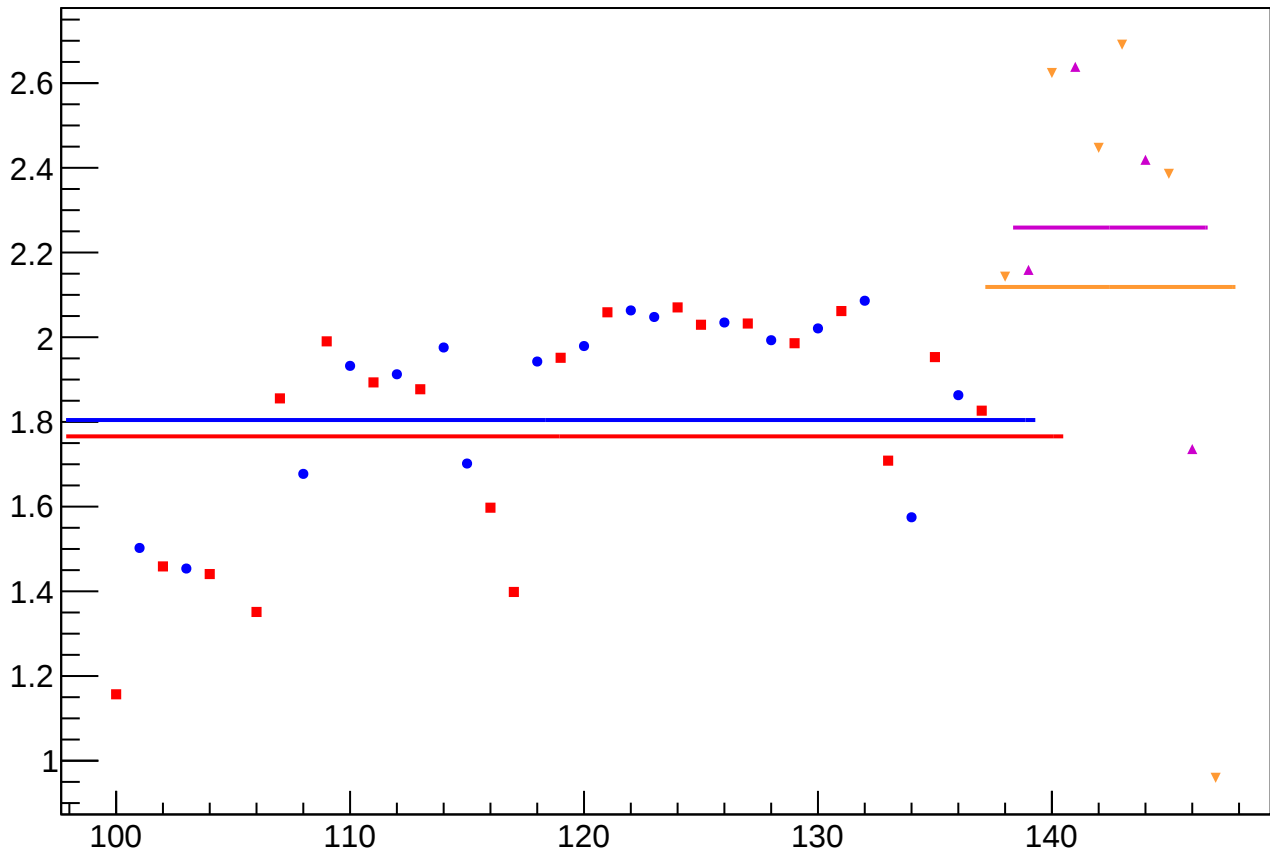
Left In: 0.086 $\pm$ 0.000 χ^2/NDF :9234.9/3

0.087 $\pm$ 0.000 χ^2/NDF : 41383.4/22

0.087 $\pm$ 0.000 χ^2/NDF : 95387.4/46

0.088 $\pm$ 0.000 χ^2/NDF : 52512.8/23

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.804+/-0.000 χ^2/NDF : 1156747883.2/16

Left Out: 2.119+/-0.000 χ^2/NDF : 10019771119.8/5

Right Out: 1.766+/-0.000 χ^2/NDF : 1717275187.7/19

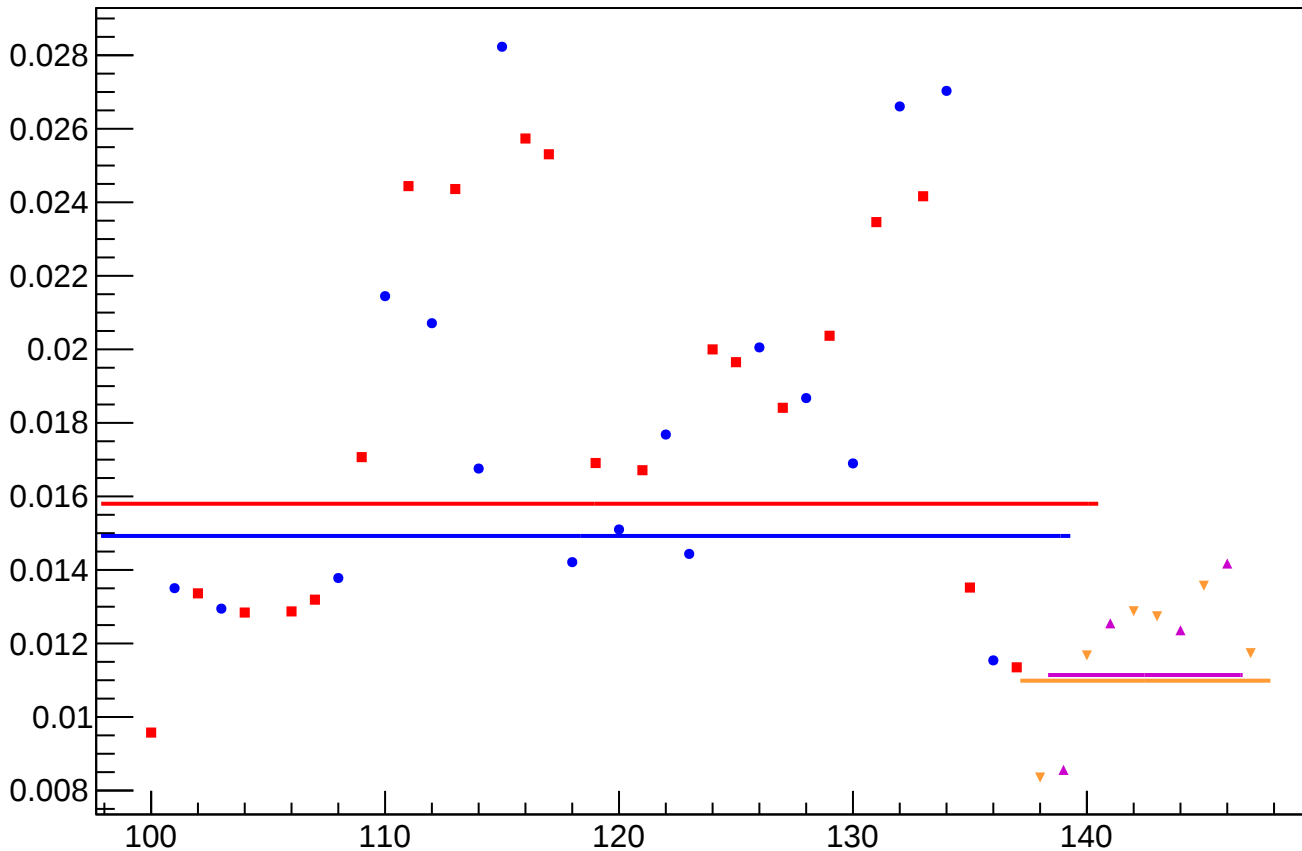
Left In: 2.259+/-0.000 χ^2/NDF : 1805940566.8/3

1.972+/-0.000 χ^2/NDF : 12537223243.6/22

1.985+/-0.000 χ^2/NDF : 18889391257.5/4

2.000+/-0.000 χ^2/NDF : 6332072554.8/23

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 643651.9/16

Left Out: 0.011+/-0.000 χ^2/NDF : 236478.9/5

Right Out: 0.016+/-0.000 χ^2/NDF : 796839.8/19

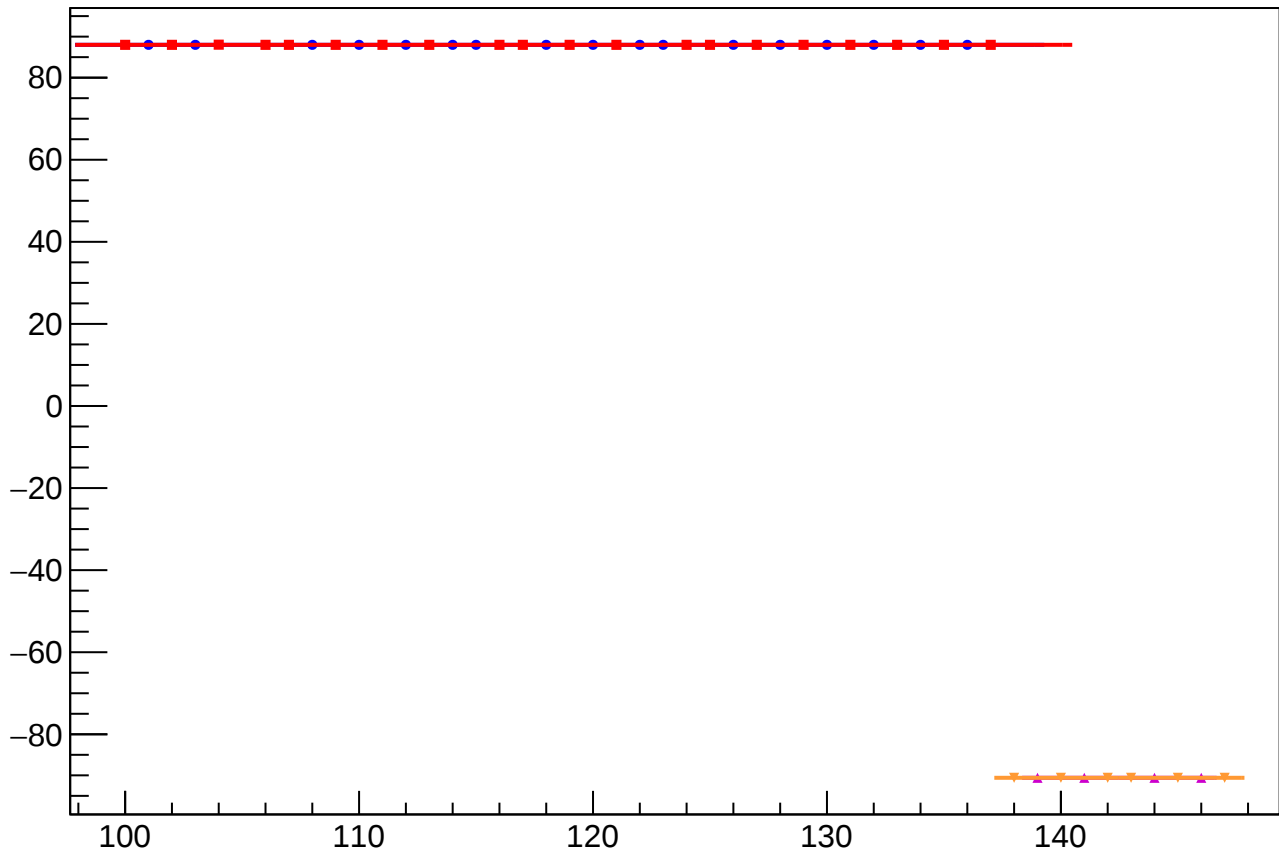
Left In: 0.011+/-0.000 χ^2/NDF : 212972.6/3

0.013+/-0.000 χ^2/NDF : 1307441.4/22

0.013+/-0.000 χ^2/NDF : 2848092.3/46

0.014+/-0.000 χ^2/NDF : 1511397.5/23

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 : 3289335.4/5

20.168+/-0.000 χ^2/NDF : 840777774977657895

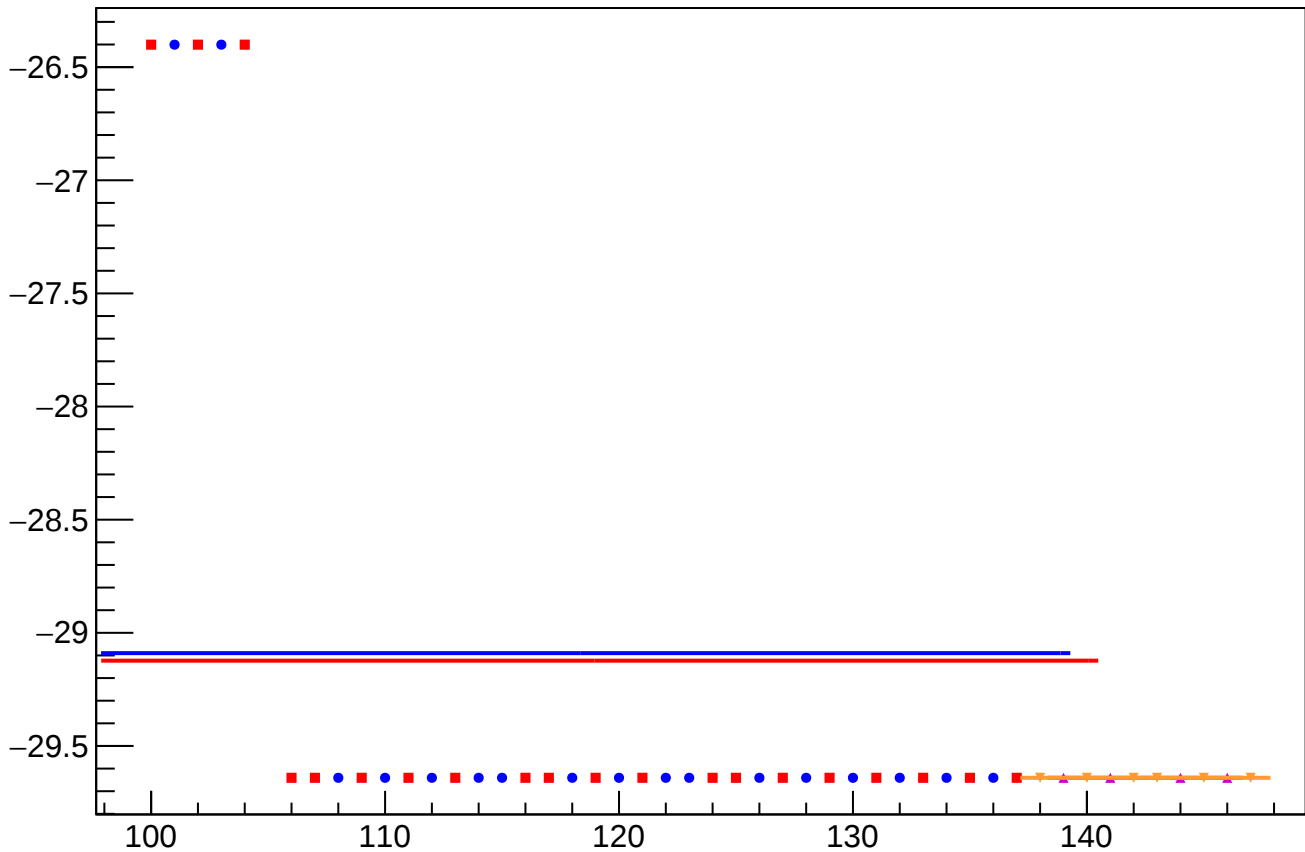
26.220+/-0.000 χ^2/NDF : 1566889730989

Right Out: 88.004+/-0.000 χ^2/NDF : 77578366411928007427611426816.0/19

32.657+/-0.000 χ^2/NDF : 717654171093207665

Left In: -90.599+/-0.000 χ^2/NDF : 936030.8/3

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 :166140.4/5

Right Out: -29.123+/-0.000 χ^2/NDF : 1023154512396702254583444720844800.0/19

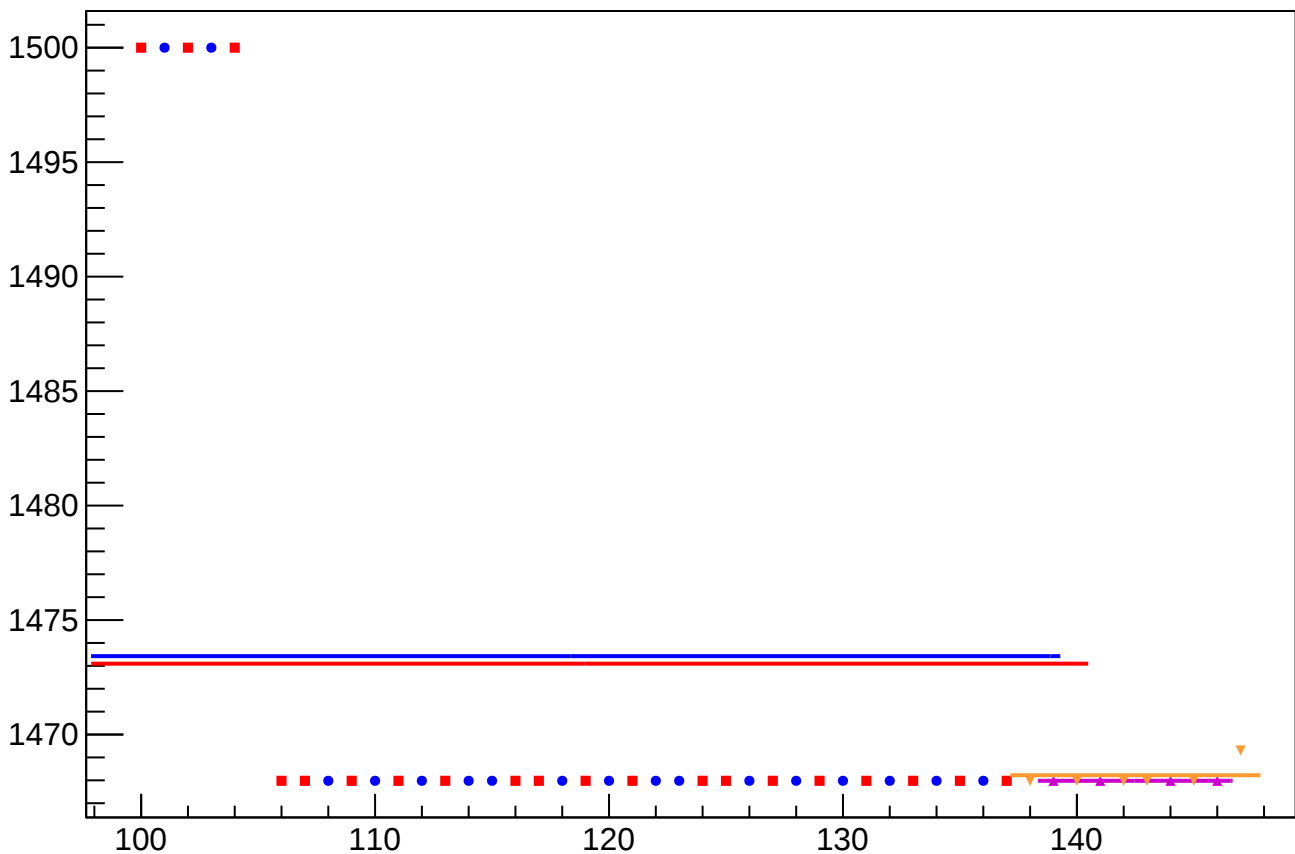
Left In: -29.641+/-0.000 χ^2/NDF :34255.5/3

-29.299+/-0.000 χ^2/NDF : 11080925083109909

-29.291+/-0.000 χ^2/NDF : 219167258443

-29.283+/-0.000 χ^2/NDF : 10834481155893474

epics_psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1468.222+/-0.000 χ^2/NDF : 111337375788216144337854214963200.0/5

Right Out: 1473.096+/-0.000 χ^2/NDF : 99938310777099611815298348687032320.0/19

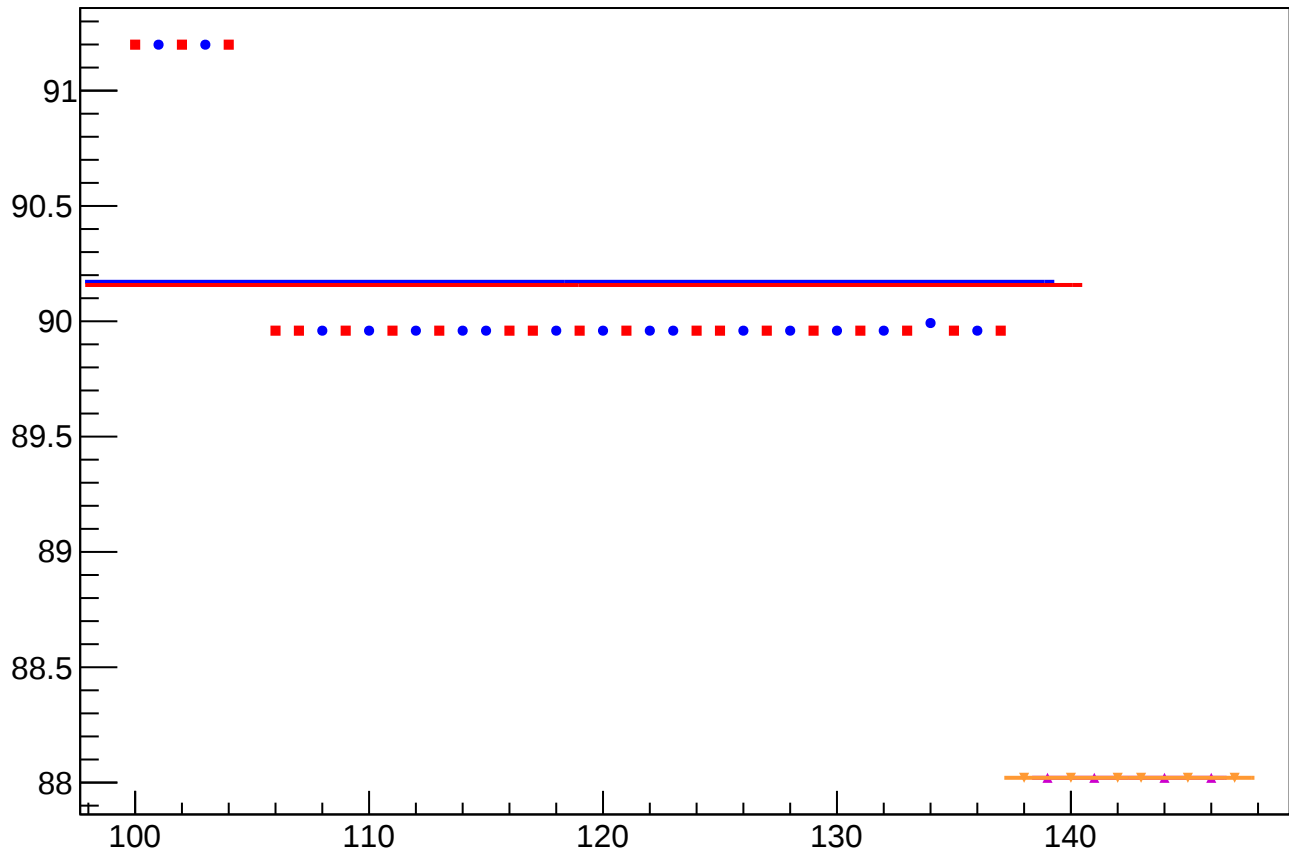
Left In: 1467.979+/-0.000 χ^2/NDF : 53611643.5/3

1471.448+/-0.000 χ^2/NDF : 1076651311386741

1471.478+/-0.000 χ^2/NDF : 21349480466

1471.510+/-0.000 χ^2/NDF : 1058275882818517

epics_Phi_FGs_mean vs Slug, Sign Corrected



Right In: 90.171 $\pm$ 0.000 χ^2 /NDF: 150316905454500935857801185460224.0/16

Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 3355170.6/5

Right Out: 90.157 $\pm$ 0.000 χ^2 /NDF: 149863052341628336344772108091392.0/19

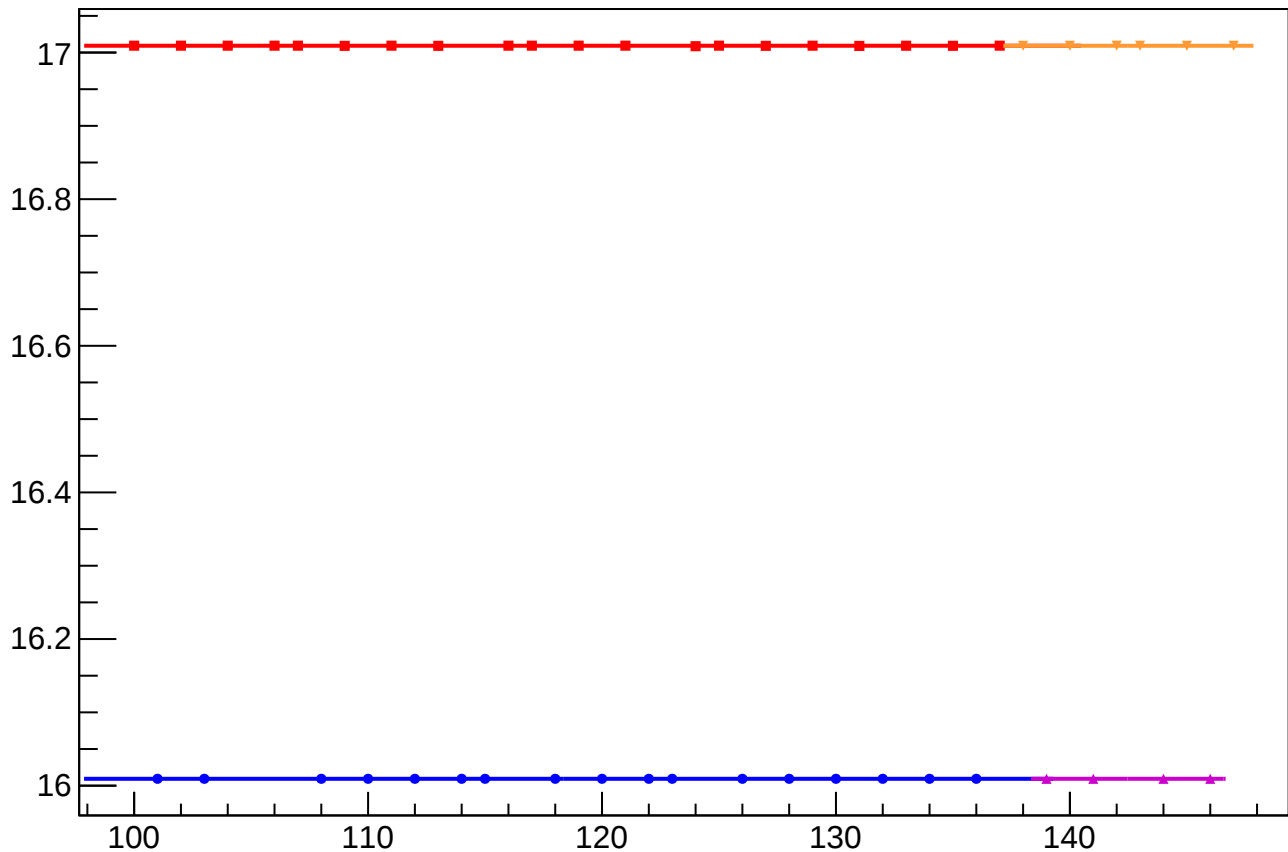
Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 882918.4/3

89.354 $\pm$ 0.000 χ^2 /NDF: 136921877692404282

89.423 $\pm$ 0.000 χ^2 /NDF: 2556995498086

89.495 $\pm$ 0.000 χ^2 /NDF: 117701312900300938

epics_IGL1I00DI24_24Ms_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF : 44327.7/16

Left Out: 17.009+/-0.000 χ^2/NDF : 972845836042614584901632.0/5

Right Out: 17.009+/-0.000 χ^2/NDF : 12548783366686740957888512.0/19

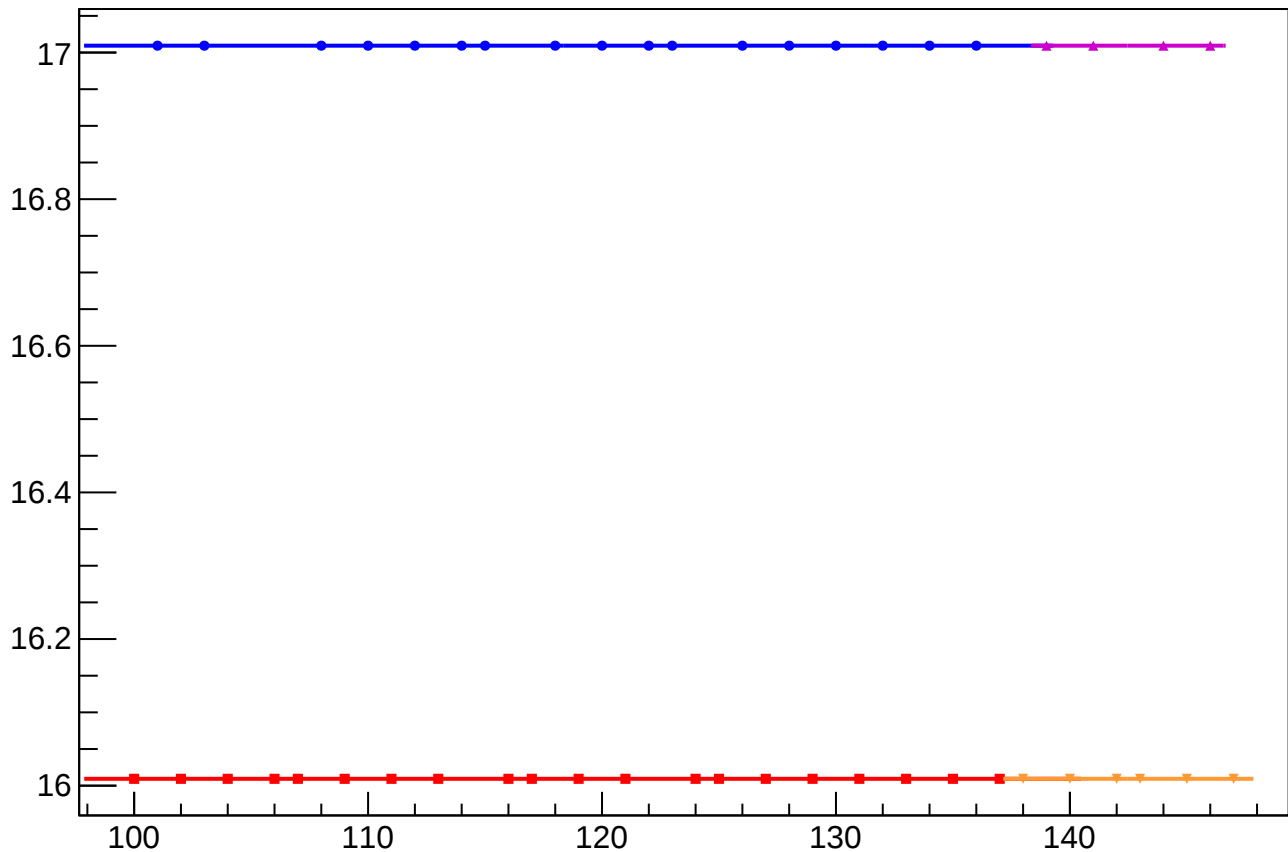
Left In: 16.009+/-0.000 χ^2/NDF : 19803.6/3

16.374+/-0.000 χ^2/NDF : 241354833872751865

16.527+/-0.000 χ^2/NDF : 5007822854436

16.692+/-0.000 χ^2/NDF : 208829539664413992

epics_IGL1I00OD16_16s_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF : 132629.6/16

Left Out: 16.009+/-0.000 χ^2/NDF : 25104.7/5

Right Out: 16.009+/-0.000 χ^2/NDF : 42750.0/19

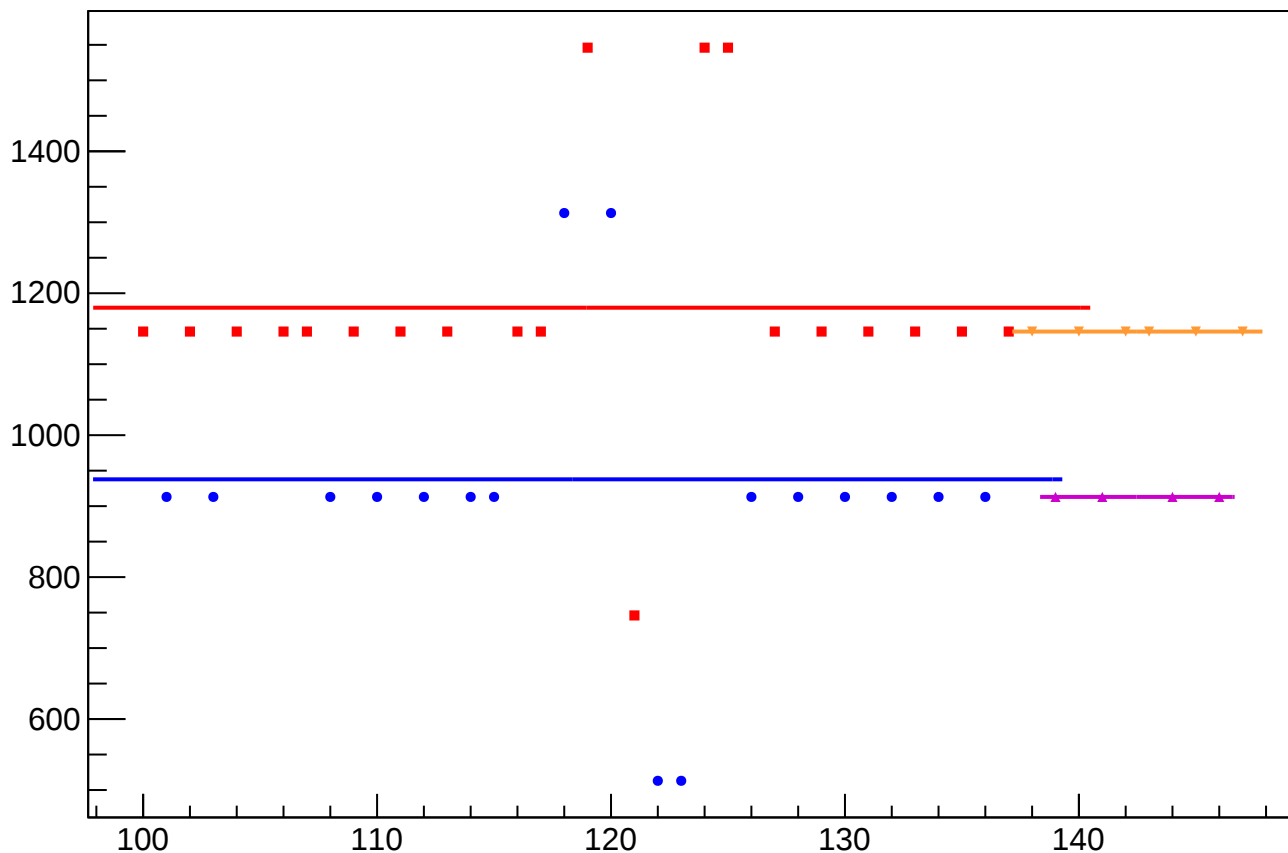
Left In: 17.009+/-0.000 χ^2/NDF : 8885.7/3

16.623+/-0.000 χ^2/NDF : 255842446709911162

16.475+/-0.000 χ^2/NDF : 5284218455743

16.321+/-0.000 χ^2/NDF : 224300478468879890

epics_RTPAPOSUCNTs_mean vs Slug, Sign Corrected



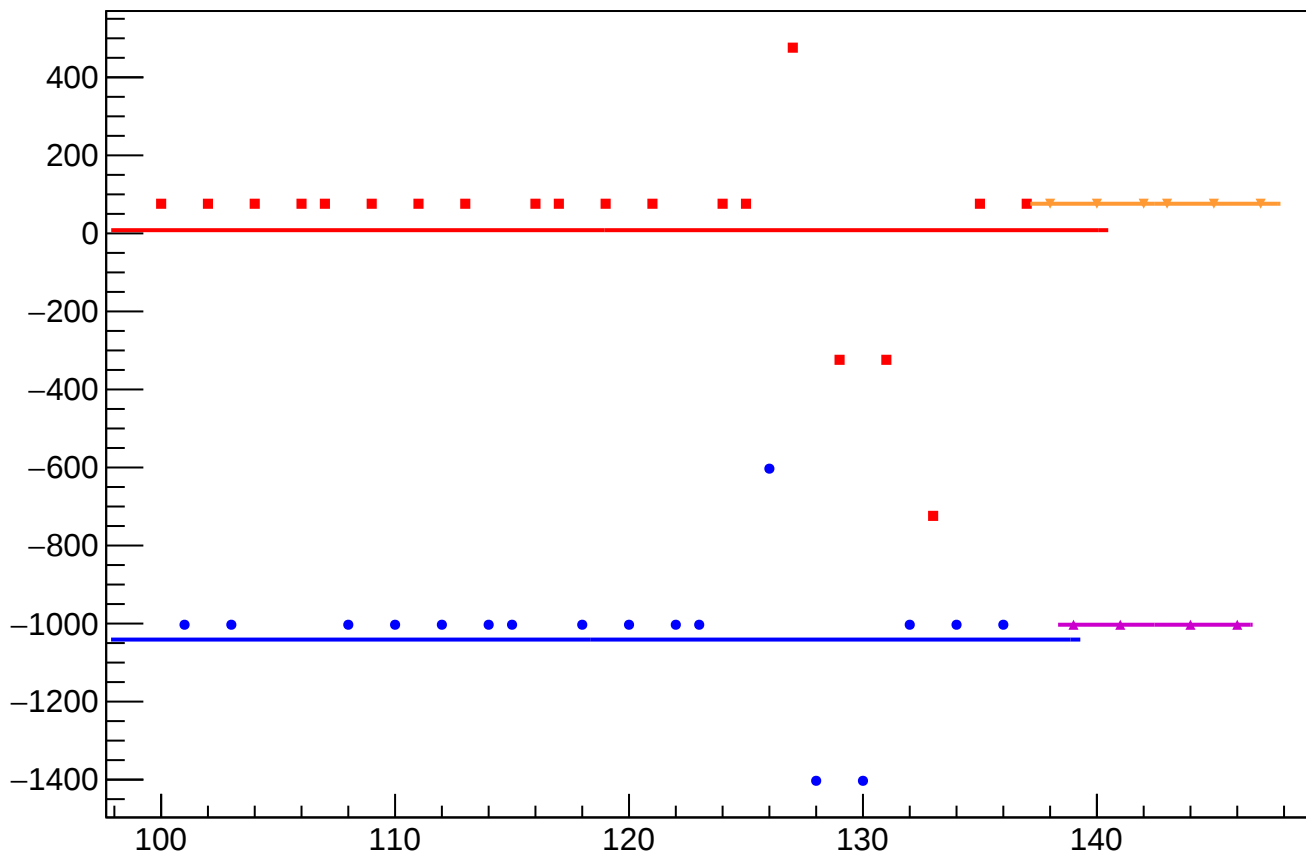
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.011+/-0.000 χ^2/NDF : 1529481795978214919265845248.0/5

Right Out: 1179.619+/-0.000 χ^2/NDF : 21420659731738679306829480097874968576.0/19

Left In: 912.995+/-0.000 χ^2/NDF : 7550331700149067084371853312.0/3

epics_RTPAPOSVCNTs_mean vs Slug, Sign Corrected



Right In: -1041.030+/-0.000 χ^2/NDF : 22675401109943882512554797113855180800.0/16

Left Out: 76.011+/-0.000 χ^2/NDF : 2903070246811931705348194304.0/5

Right Out: 8.240+/-0.000 χ^2/NDF : 43865391744972338137265798243810279424.0/19

Left In: -1002.989+/-0.000 χ^2/NDF : 471838457209317877805481984.0/3