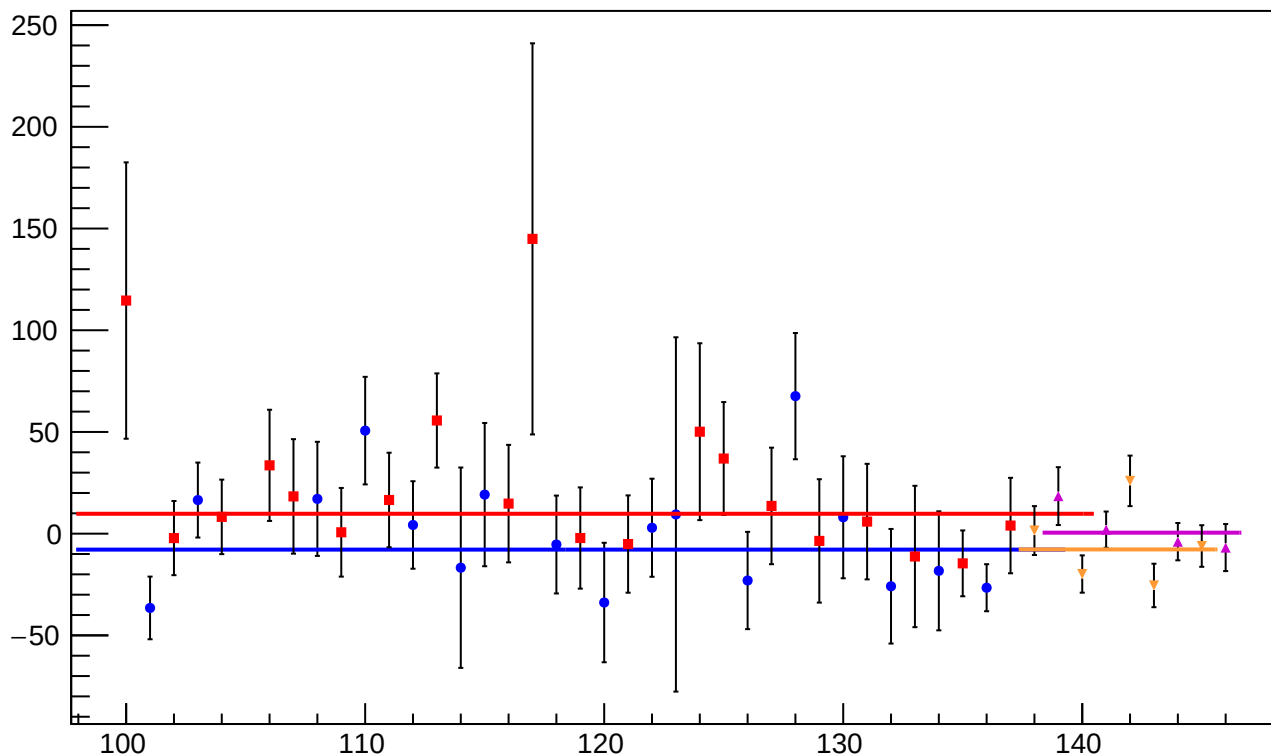


diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.841+/-5.608

χ^2/NDF : 22.6/16

Left Out: -7.751+/-4.788

χ^2/NDF : 12.5/4

Right Out: 9.781+/-5.667

χ^2/NDF : 15.2/19

Left In: 0.487+/-5.208

χ^2/NDF : 2.3/3

-7.789+/-3.641

χ^2/NDF : 35.1/21

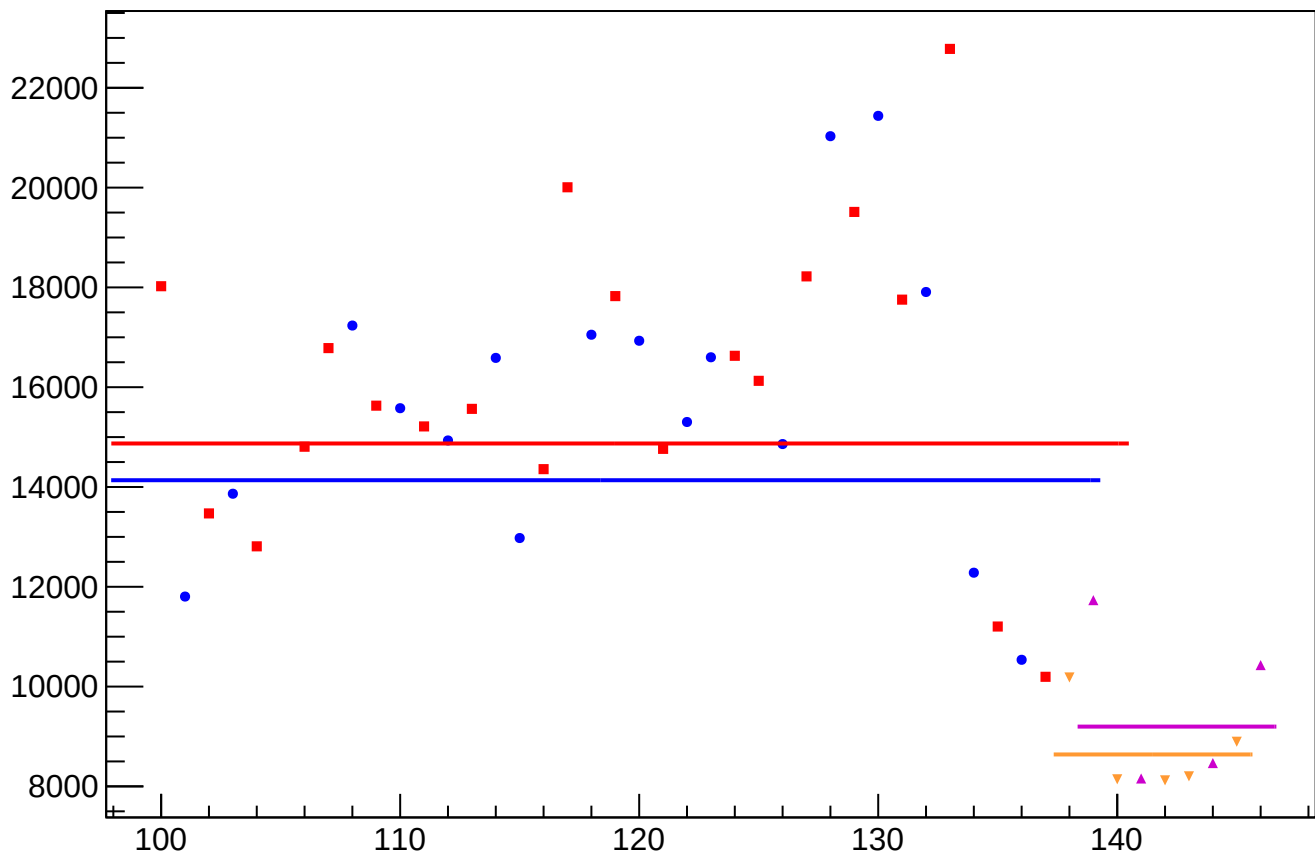
-1.848+/-2.641

χ^2/NDF : 59.7/45

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: 8639.619 $\pm$ 3.385 χ^2/NDF : 46969.2/4

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

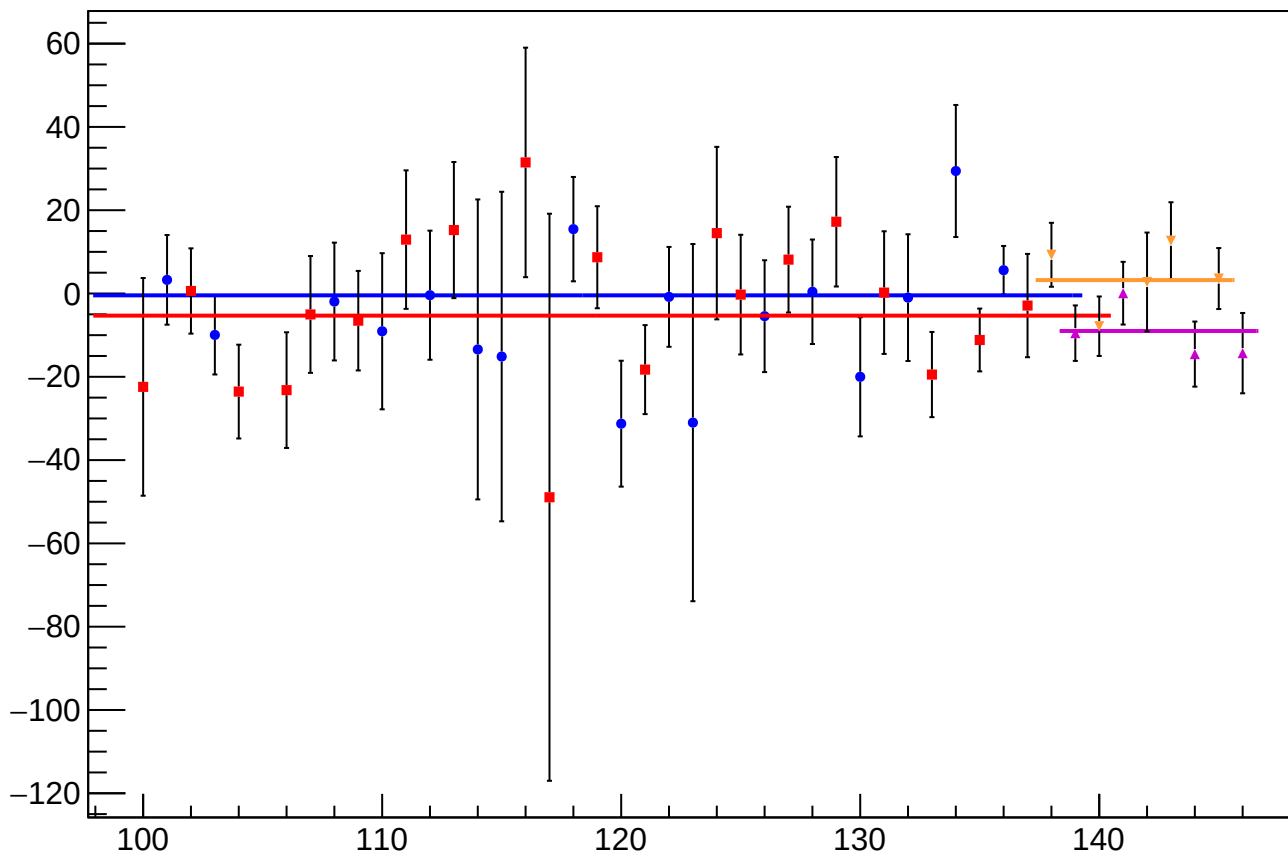
Left In: 9197.953 $\pm$ 3.683 χ^2/NDF : 126087.2/3

10956.506 $\pm$ 2.575 χ^2/NDF : 1755256.9/21

11354.452 $\pm$ 1.867 χ^2/NDF : 3496302.5/4

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

diff_bpm4aY_mean vs Slug, Sign Corrected



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

Left Out: 3.222 ± 3.675 χ^2/NDF : 4.1/4

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

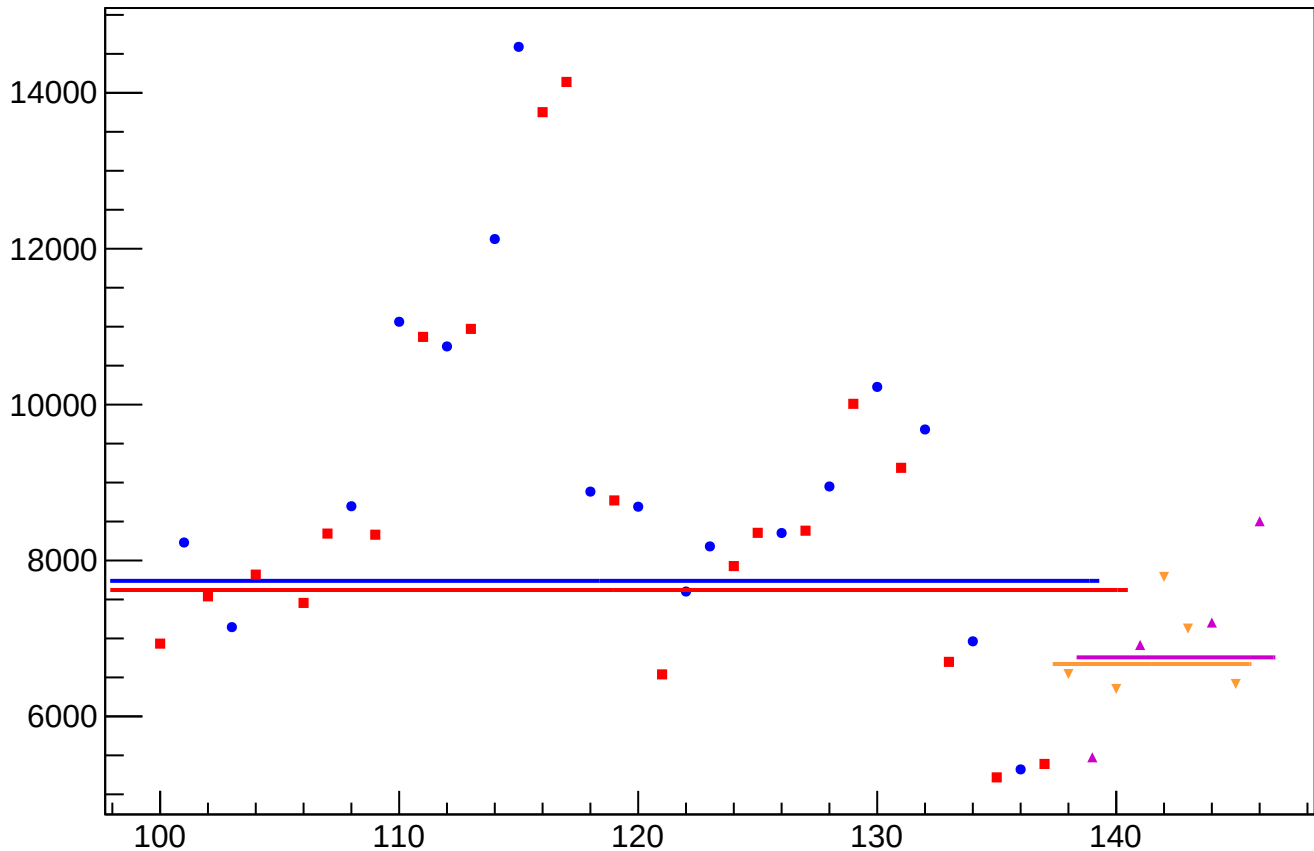
Left In: -8.996 ± 3.855 χ^2/NDF : 2.3/3

1.065 ± 2.357 χ^2/NDF : 19.2/21

-2.835 ± 1.658 χ^2/NDF : 47.2/45

-6.662 ± 2.334 χ^2/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: 6672.067 $\pm$ 2.599 χ^2/NDF : 29575.1/4

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

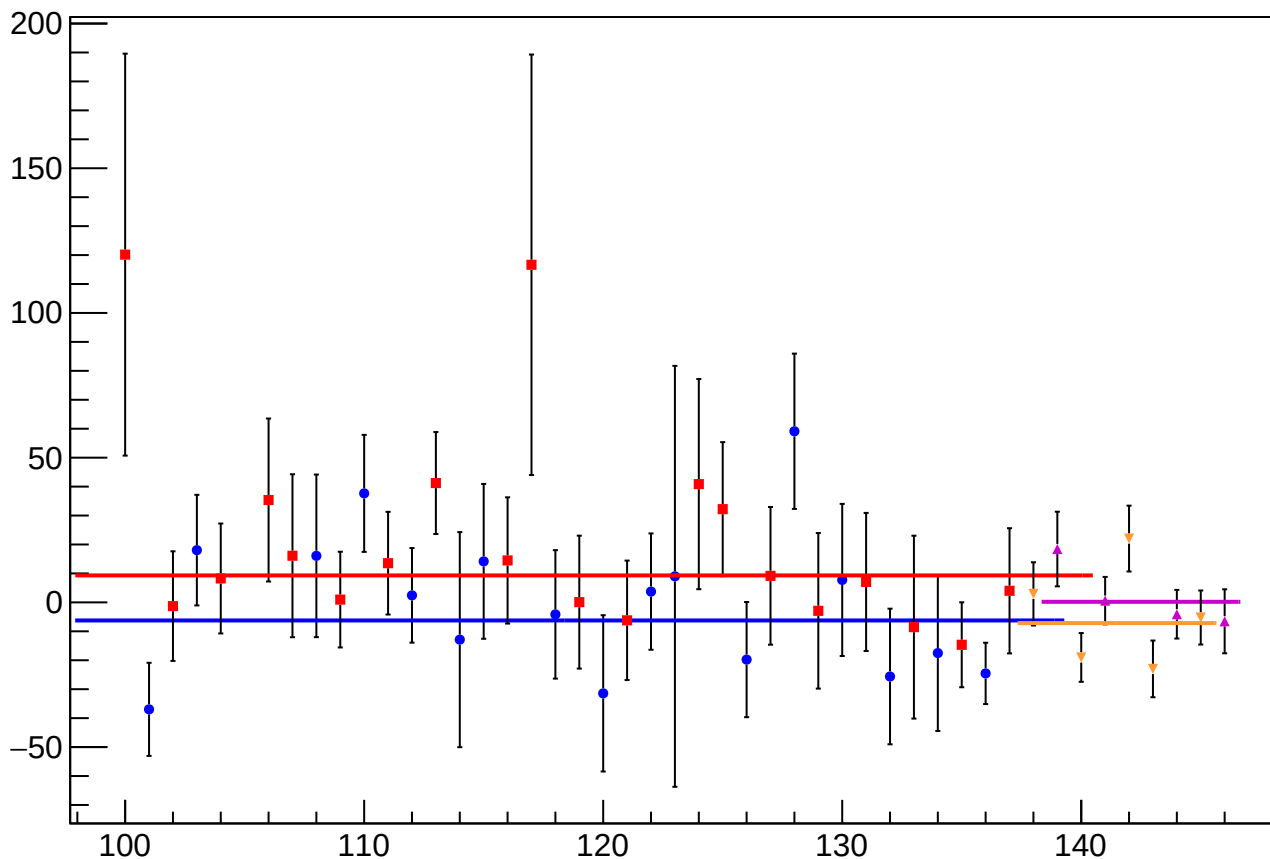
Left In: 6757.327 $\pm$ 2.726 χ^2/NDF : 147074.9/3

7300.280 $\pm$ 1.666 χ^2/NDF : 869637.5/21

7302.550 $\pm$ 1.173 χ^2/NDF : 1777935.8/45

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

diff_bpm4eX_mean vs Slug, Sign Corrected



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

Left Out: -7.156 $\pm$ 4.380 χ^2/NDF : 12.1/4

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

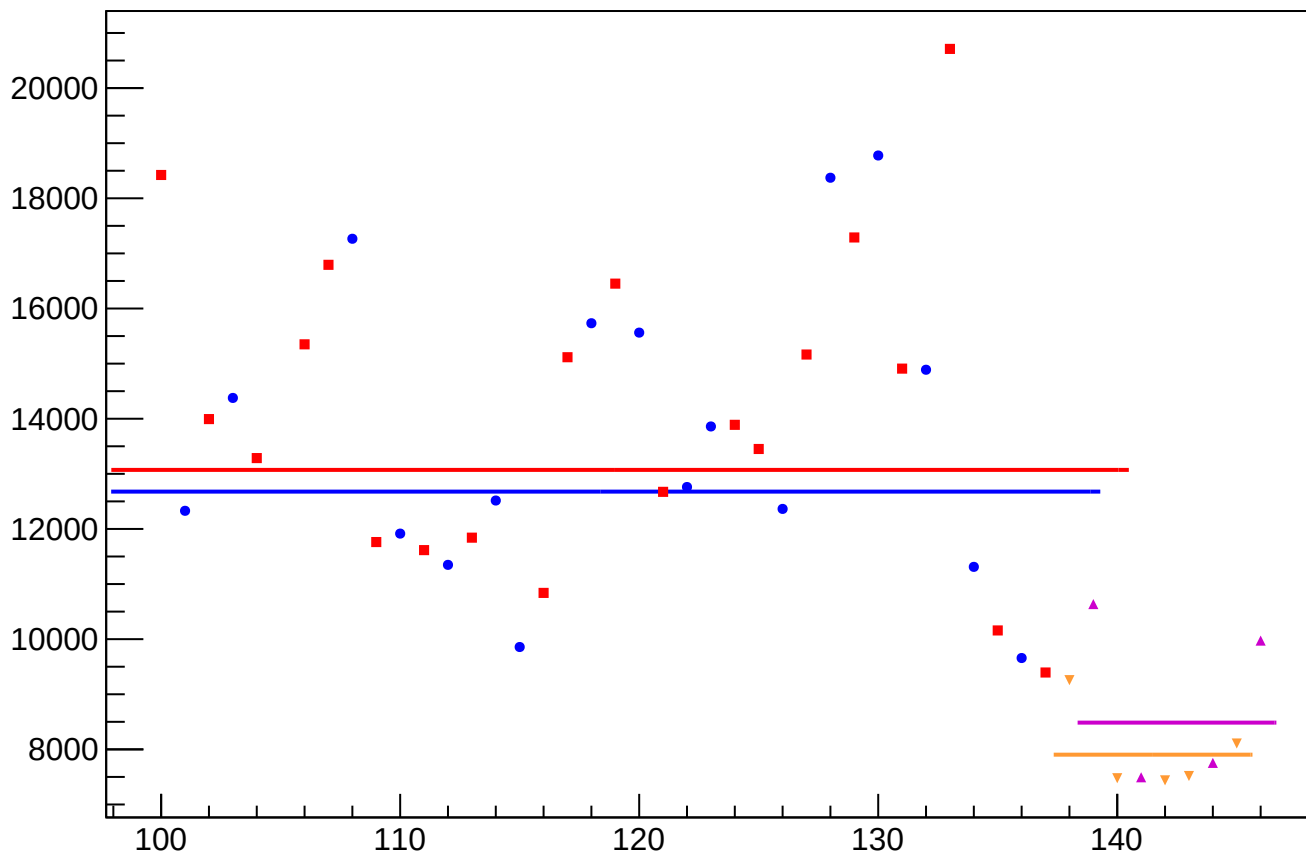
Left In: 0.195 $\pm$ 4.808 χ^2/NDF : 2.6/3

-6.762 $\pm$ 3.300 χ^2/NDF : 35.3/21

-1.359 $\pm$ 2.388 χ^2/NDF : 60.6/45

4.586 $\pm$ 3.462 χ^2/NDF : 19.7/23

diff_bpm4eX_rms vs Slug, Sign Corrected



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

Left Out: 7903.846 $\pm$ 3.097 χ^2 /NDF: 43223.4/4

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

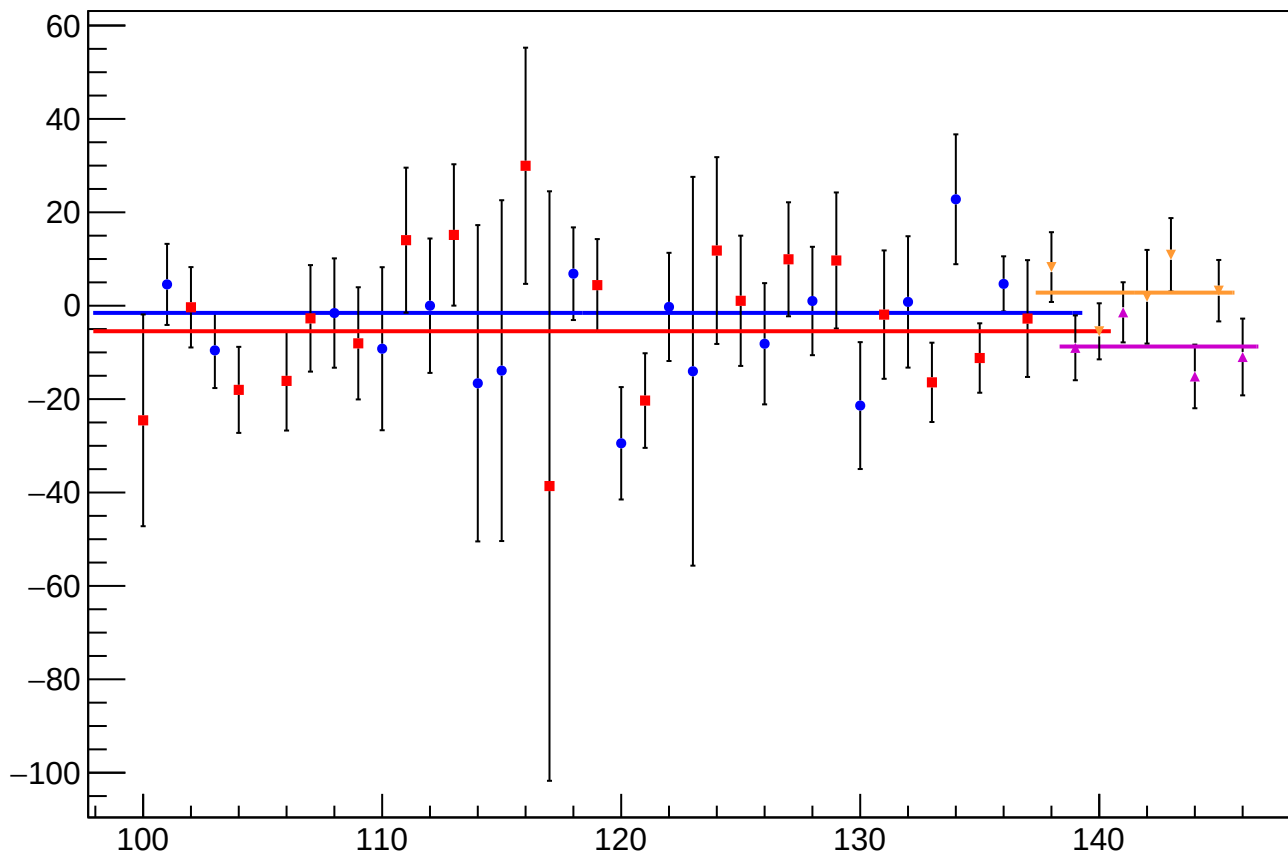
Left In: 8485.469 $\pm$ 3.400 χ^2 /NDF: 136326.7/3

9968.639 $\pm$ 2.333 χ^2 /NDF: 1624189.8/21

10314.293 $\pm$ 1.689 χ^2 /NDF: 3182036.6/4

10694.686 $\pm$ 2.448 χ^2 /NDF: 1511750.7/23

diff_bpm4eY_mean vs Slug, Sign Corrected



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

Left Out: 2.804 $\pm$ 3.246 χ^2 /NDF: 3.5/4

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

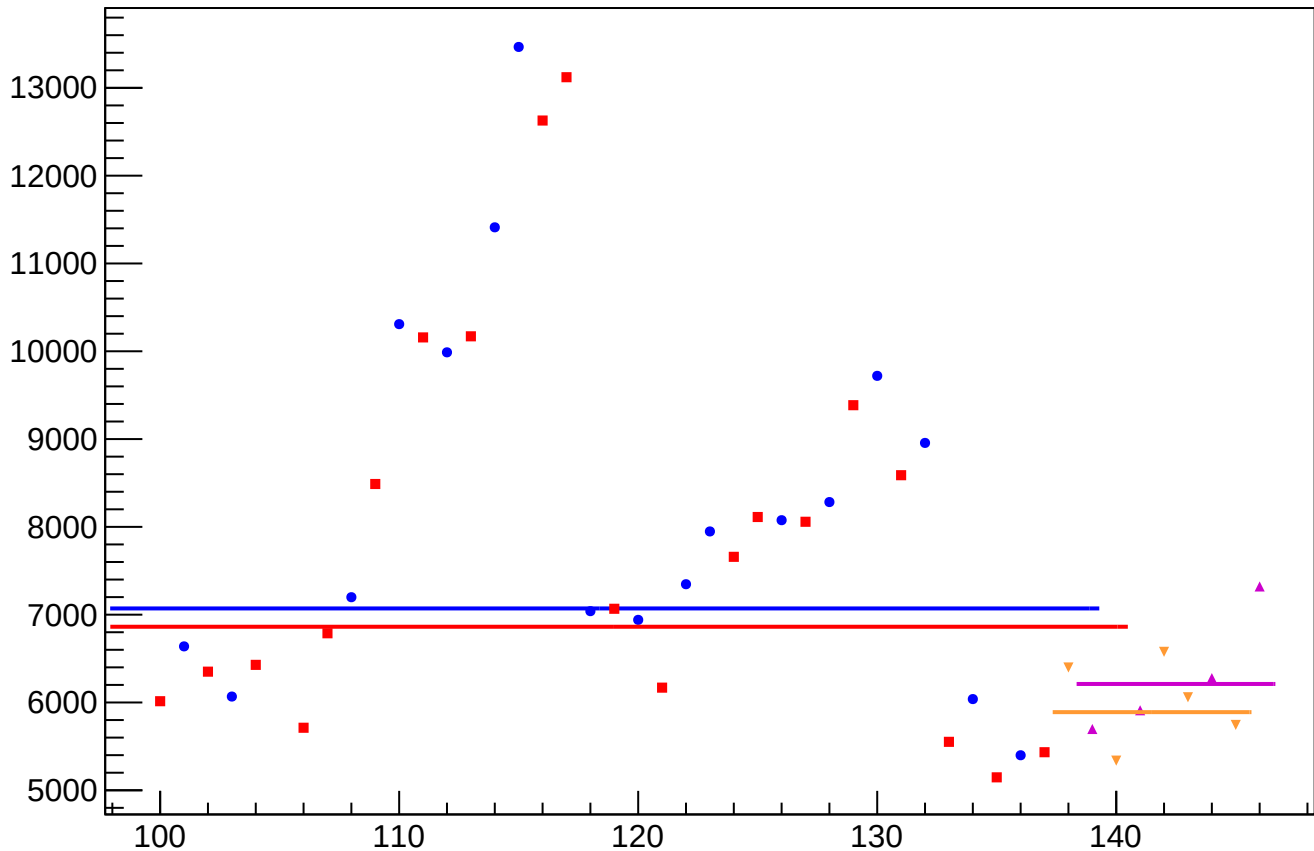
Left In: -8.740 $\pm$ 3.508 χ^2 /NDF: 2.3/3

0.307 $\pm$ 2.116 χ^2 /NDF: 19.4/21

-3.182 $\pm$ 1.493 χ^2 /NDF: 46.5/45

-6.646 $\pm$ 2.108 χ^2 /NDF: 21.7/23

diff_bpm4eY_rms vs Slug, Sign Corrected



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

Left Out: 5889.936 $\pm$ 2.295 χ^2/NDF : 37499.1/4

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

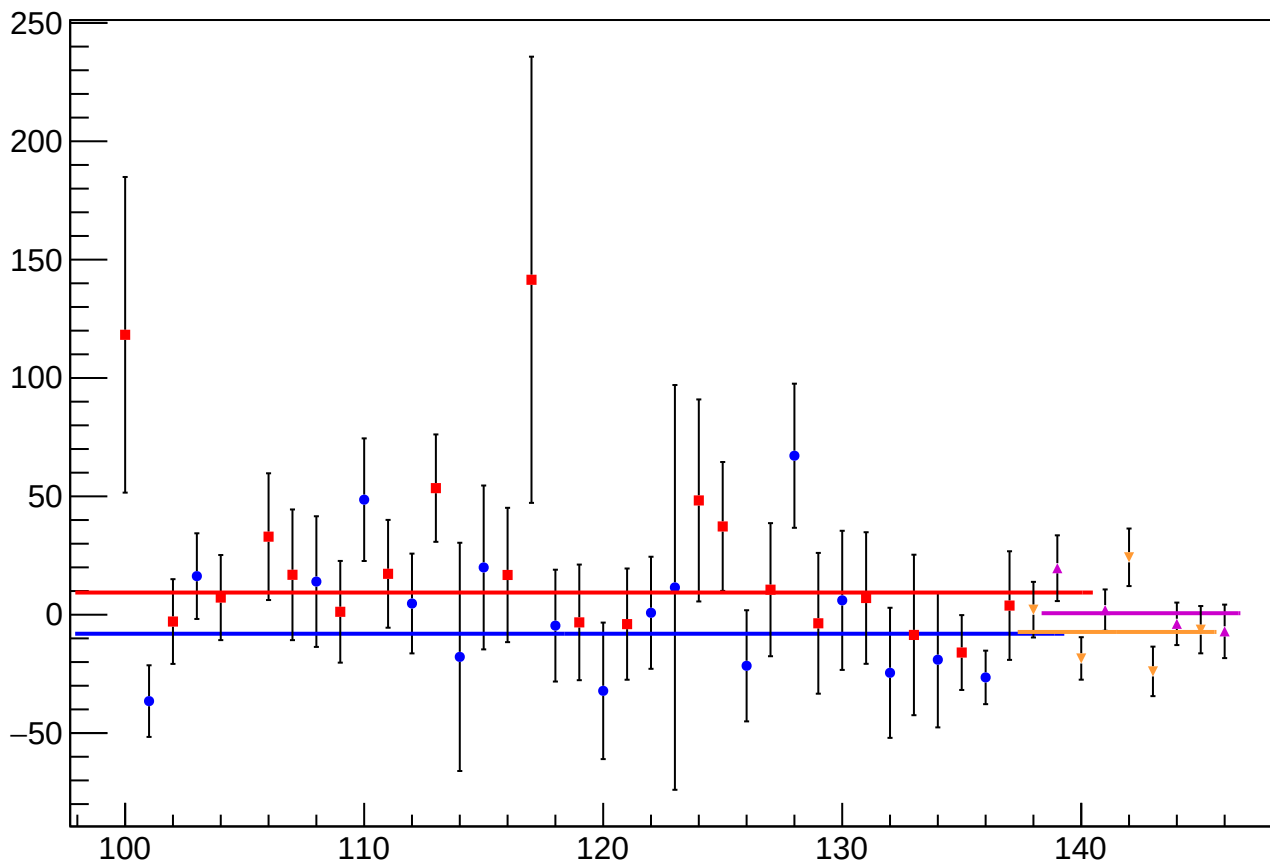
Left In: 6210.845 $\pm$ 2.481 χ^2/NDF : 51965.9/3

6569.096 $\pm$ 1.496 χ^2/NDF : 790530.3/21

6598.281 $\pm$ 1.056 χ^2/NDF : 1591447.7/45

6627.250 $\pm$ 1.491 χ^2/NDF : 800159.3/23

diff_bpm4acX_mean vs Slug, Sign Corrected



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

Left Out: -7.282 $\pm$ 4.683 χ^2 /NDF: 11.5/4

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

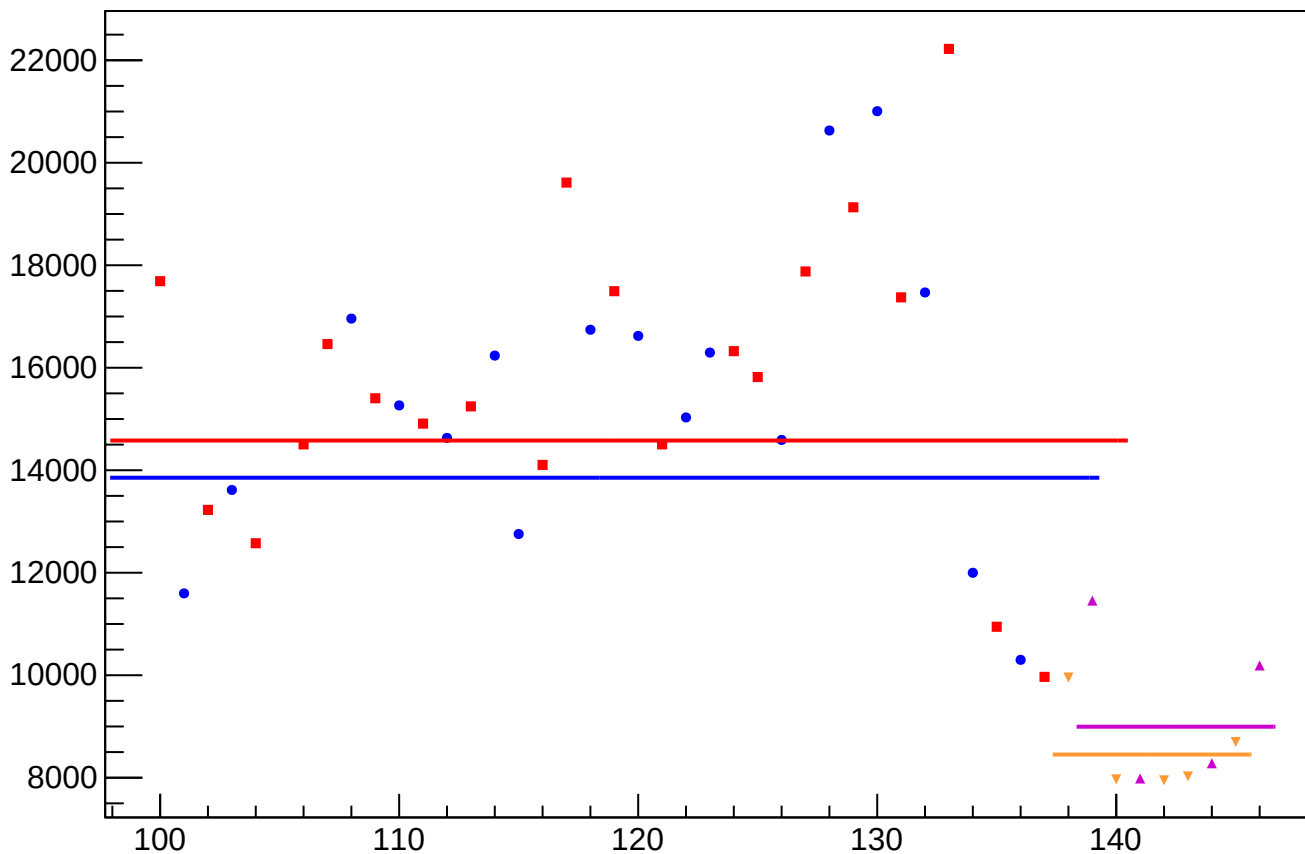
Left In: 0.636 $\pm$ 5.093 χ^2 /NDF: 2.6/3

-7.599 $\pm$ 3.565 χ^2 /NDF: 34.1/21

-1.804 $\pm$ 2.585 χ^2 /NDF: 59.2/45

4.623 $\pm$ 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: 8452.285+/-3.312 χ^2/NDF : 46512.9/4

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

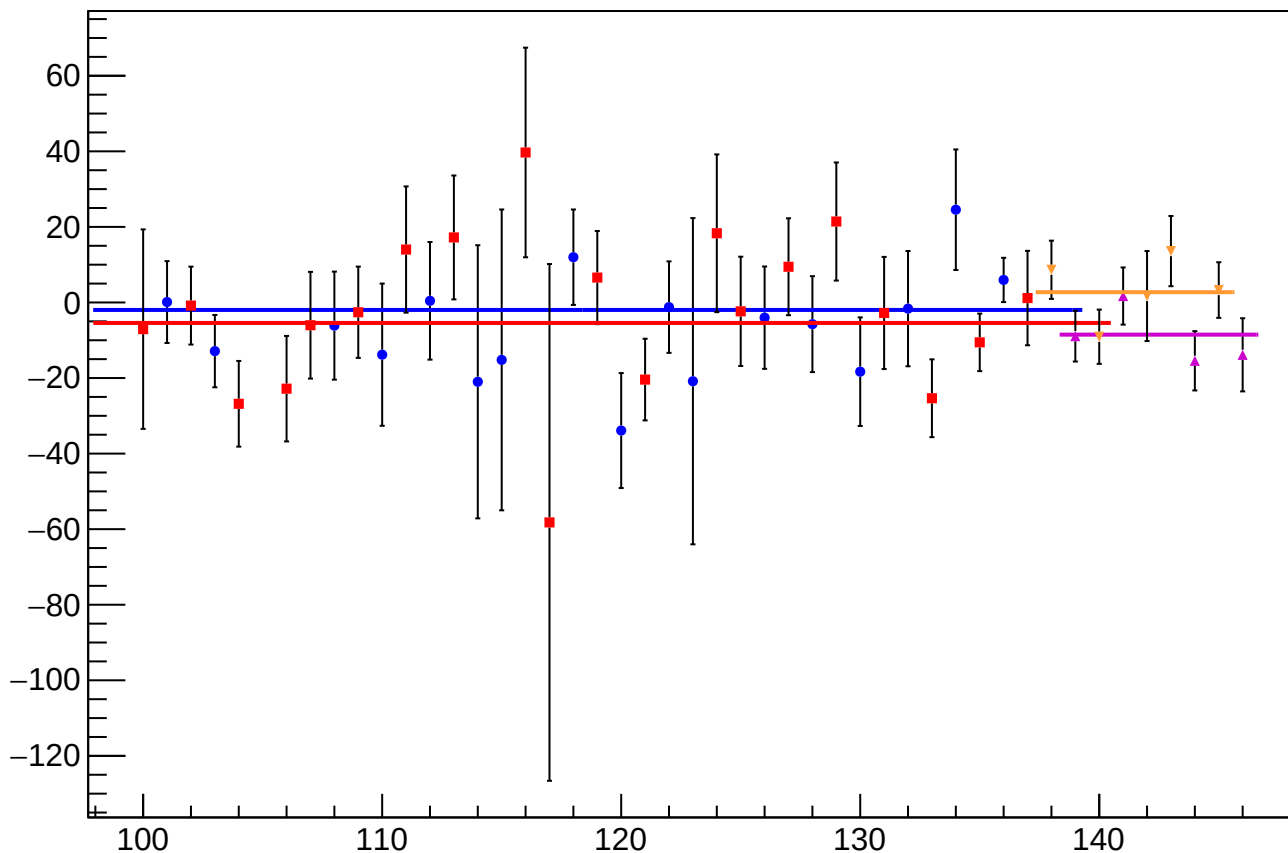
Left In: 8995.857+/-3.601 χ^2/NDF : 124635.8/3

10723.960+/-2.521 χ^2/NDF : 1766501.0/21

11113.361+/-1.828 χ^2/NDF : 3519154.7/4

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: 2.725 $\pm$ 3.693 χ^2/NDF : 4.7/4

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

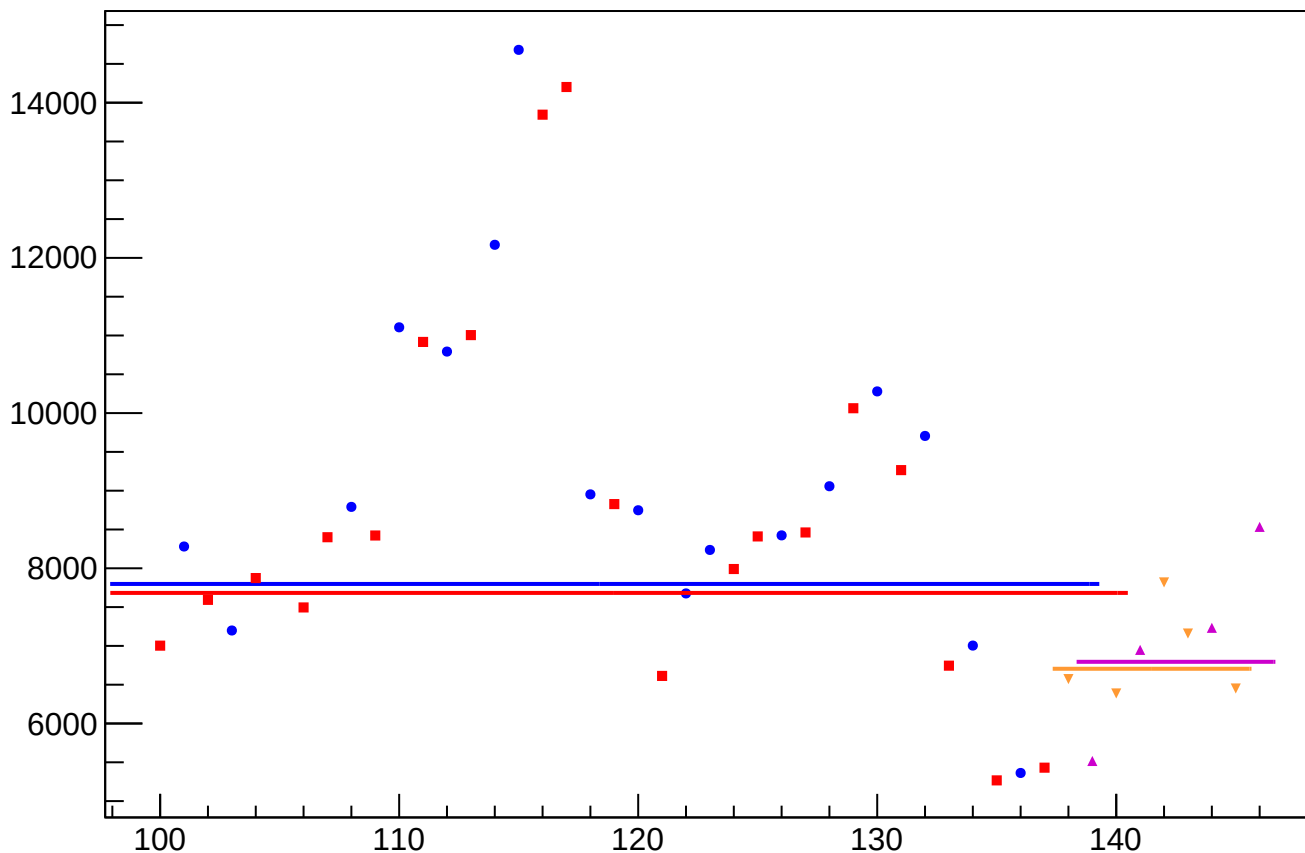
Left In: -8.515 $\pm$ 3.875 χ^2/NDF : 2.9/3

-0.038 $\pm$ 2.372 χ^2/NDF : 19.7/21

-3.327 $\pm$ 1.669 χ^2/NDF : 51.7/45

-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: 6705.277 $\pm$ 2.612 χ^2/NDF : 29129.3/4

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

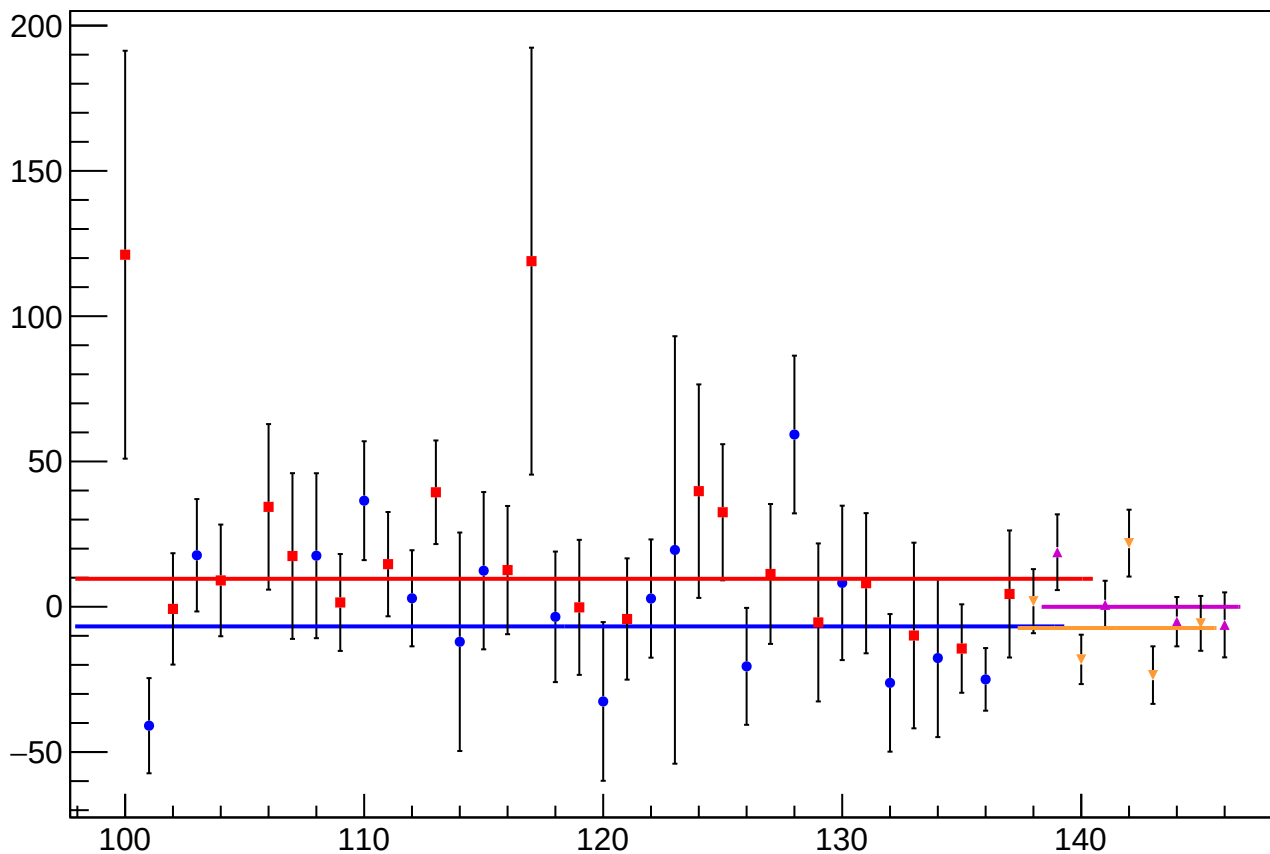
Left In: 6794.865 $\pm$ 2.740 χ^2/NDF : 144142.1/3

7347.542 $\pm$ 1.677 χ^2/NDF : 868340.0/21

7351.922 $\pm$ 1.180 χ^2/NDF : 1769777.1/45

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: -7.317 ± 4.426 χ^2/NDF : 11.5/4

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

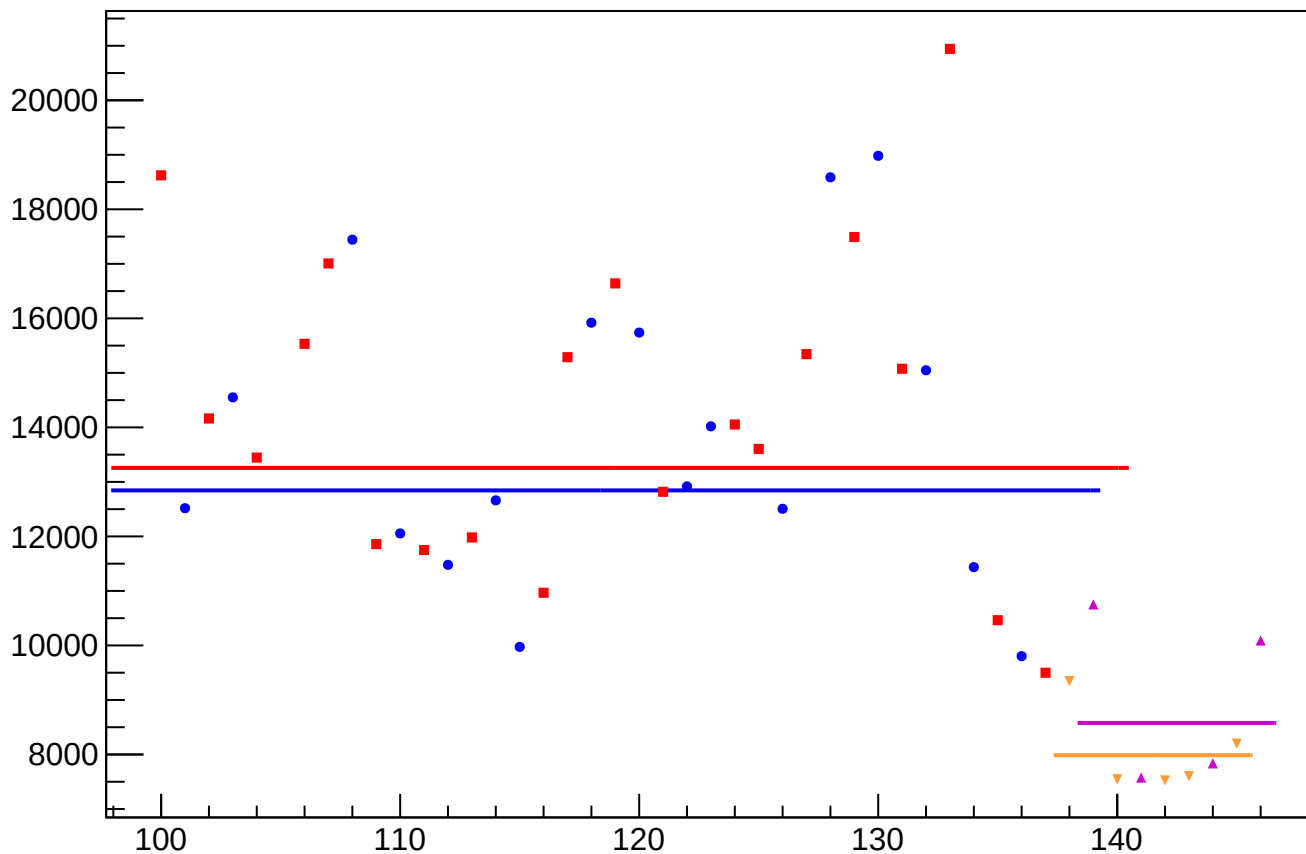
Left In: -0.017 ± 4.861 χ^2/NDF : 2.8/3

-7.076 ± 3.339 χ^2/NDF : 35.2/21

-1.517 ± 2.417 χ^2/NDF : 60.1/45

4.611 ± 3.505 χ^2/NDF : 19.1/23

diff_bpm4ecX_rms vs Slug, Sign Corrected



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

Left Out: 7986.907+/-3.130 χ^2/NDF : 42958.5/4

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

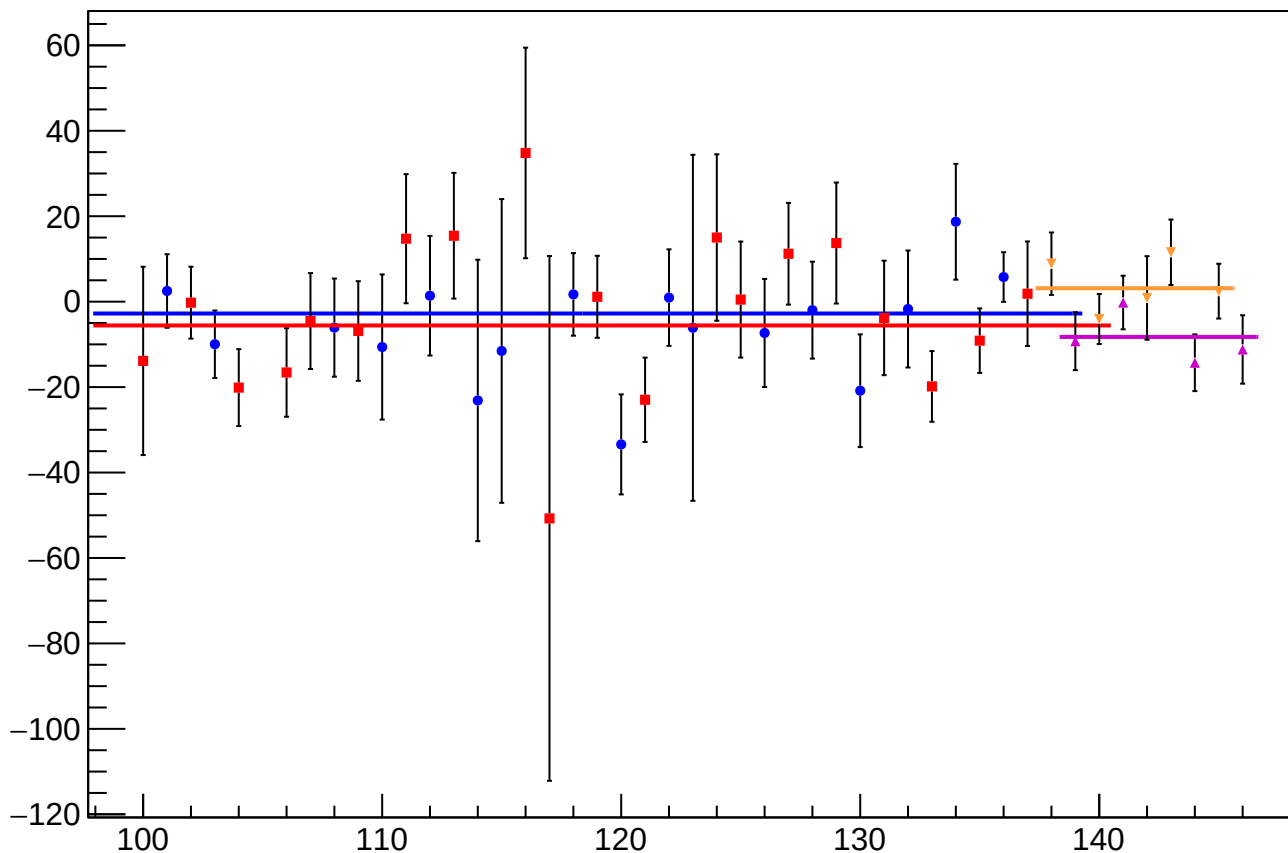
Left In: 8578.517+/-3.437 χ^2/NDF : 136681.2/3

10081.049+/-2.361 χ^2/NDF : 1628543.3/21

10434.829+/-1.709 χ^2/NDF : 3188832.4/4

10824.765+/-2.478 χ^2/NDF : 1513078.6/23

diff_bpm4ecY_mean vs Slug, Sign Corrected



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

Left Out: 3.140 ± 3.167 χ^2/NDF : 3.4/4

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

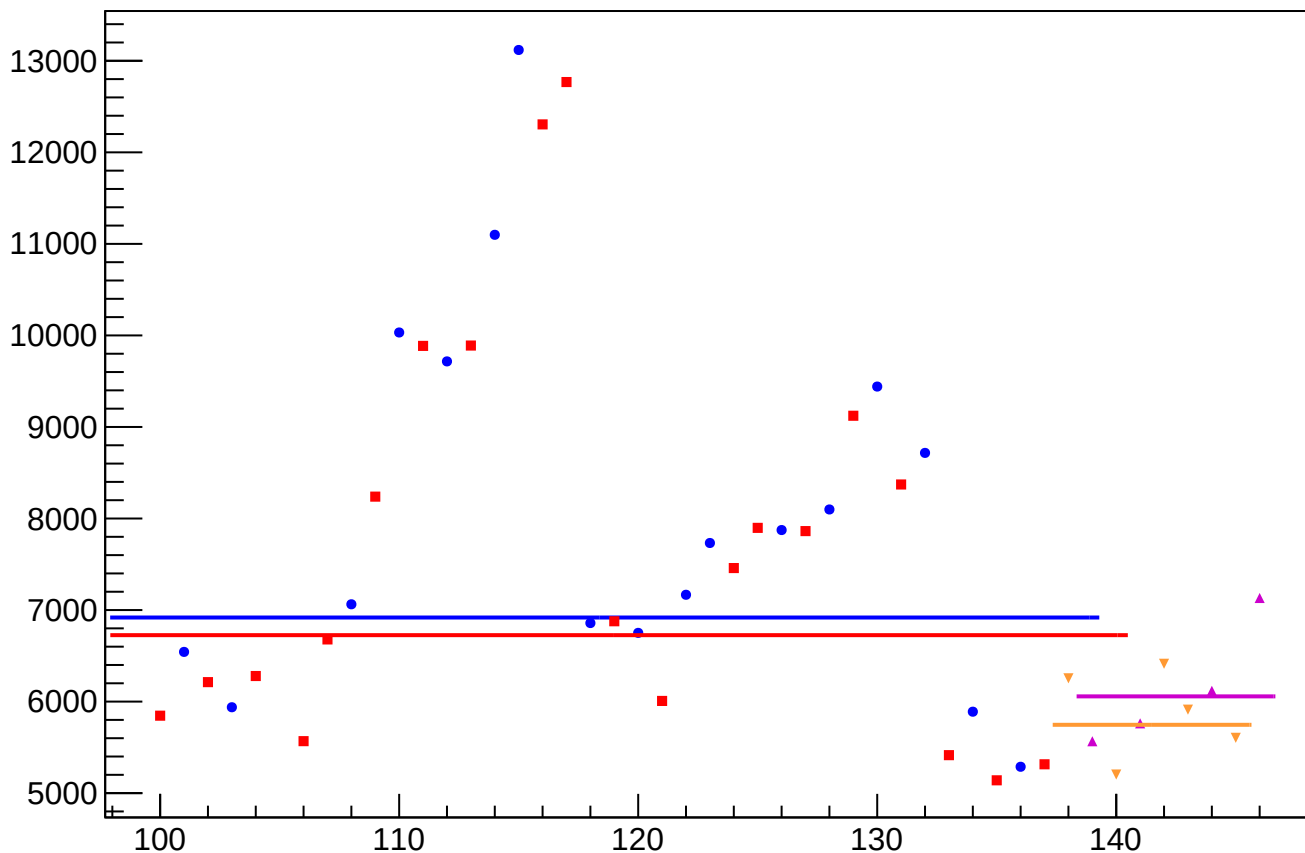
Left In: -8.255 ± 3.421 χ^2/NDF : 2.6/3

-0.251 ± 2.068 χ^2/NDF : 21.3/21

-3.408 ± 1.461 χ^2/NDF : 52.7/45

-6.547 ± 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: 5746.458+/-2.239 χ^2/NDF : 38127.0/4

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

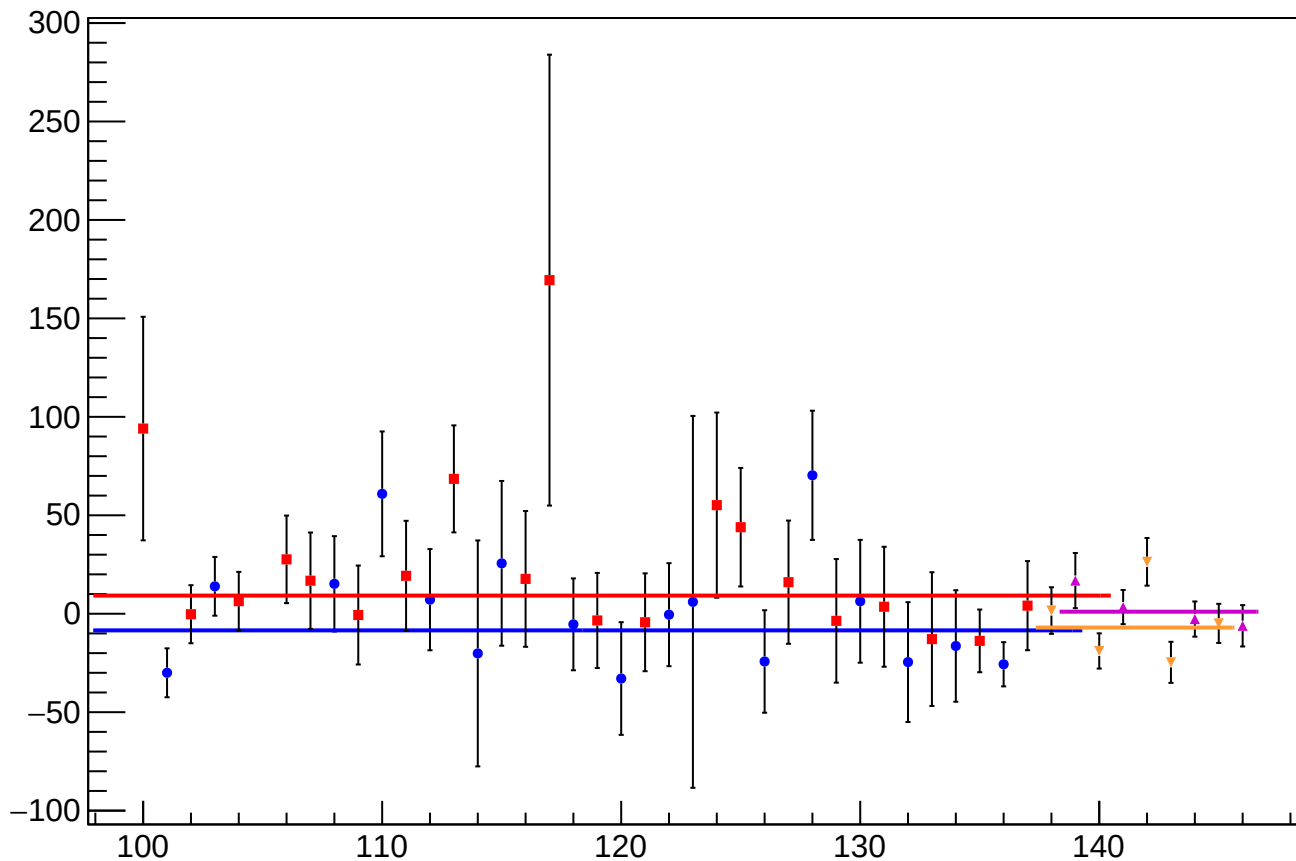
Left In: 6057.020+/-2.419 χ^2/NDF : 51082.4/3

6418.464+/-1.463 χ^2/NDF : 782236.1/21

6450.679+/-1.033 χ^2/NDF : 1558323.7/45

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: -7.012 ± 4.674 $\chi^2/\text{NDF}: 12.8/4$

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

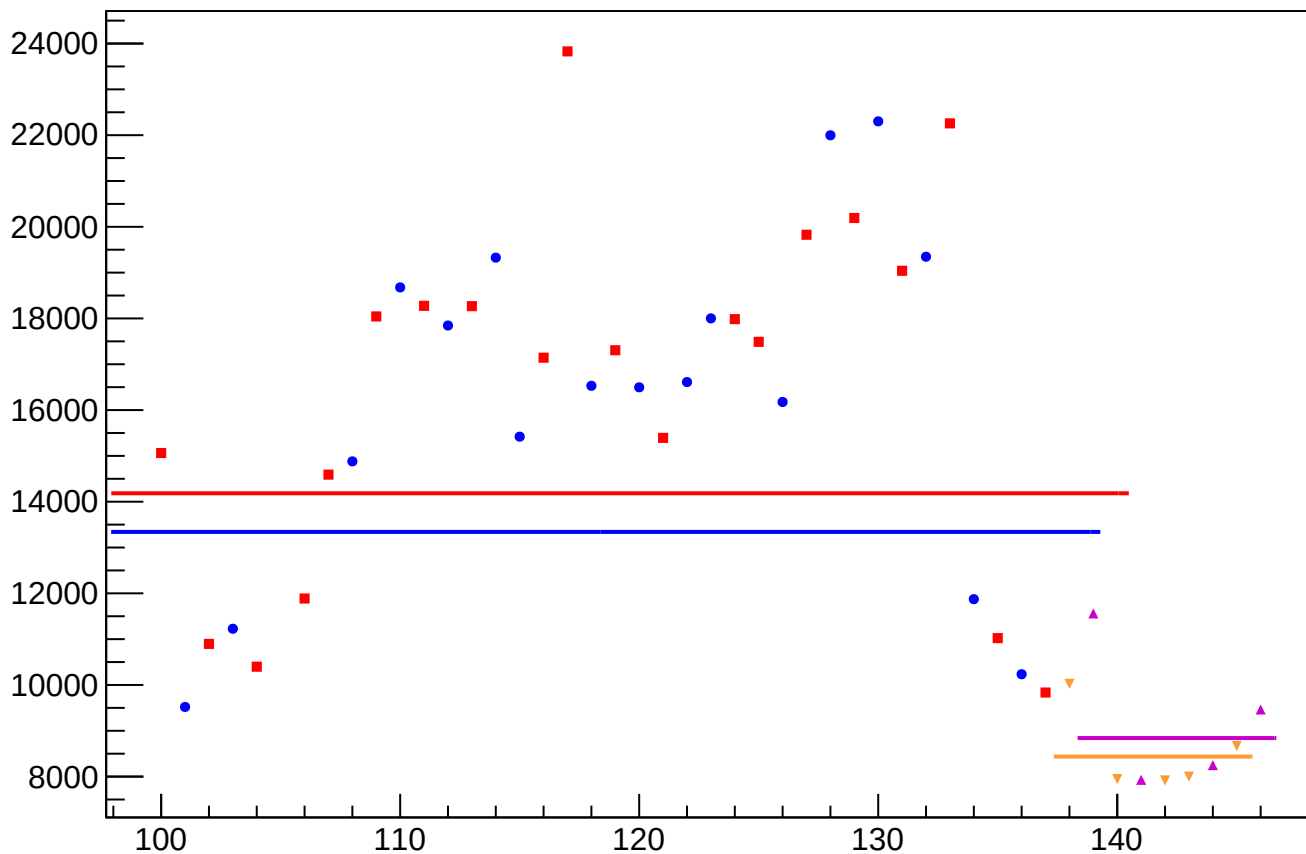
Left In: 1.038 ± 5.002 $\chi^2/\text{NDF}: 2.0/3$

-7.628 ± 3.532 $\chi^2/\text{NDF}: 34.9/21$

-1.732 ± 2.555 $\chi^2/\text{NDF}: 60.1/45$

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

diff_bpm1X_rms vs Slug, Sign Corrected



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

Left Out: 8436.857 $\pm$ 3.305 χ^2/NDF :50317.1/4

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

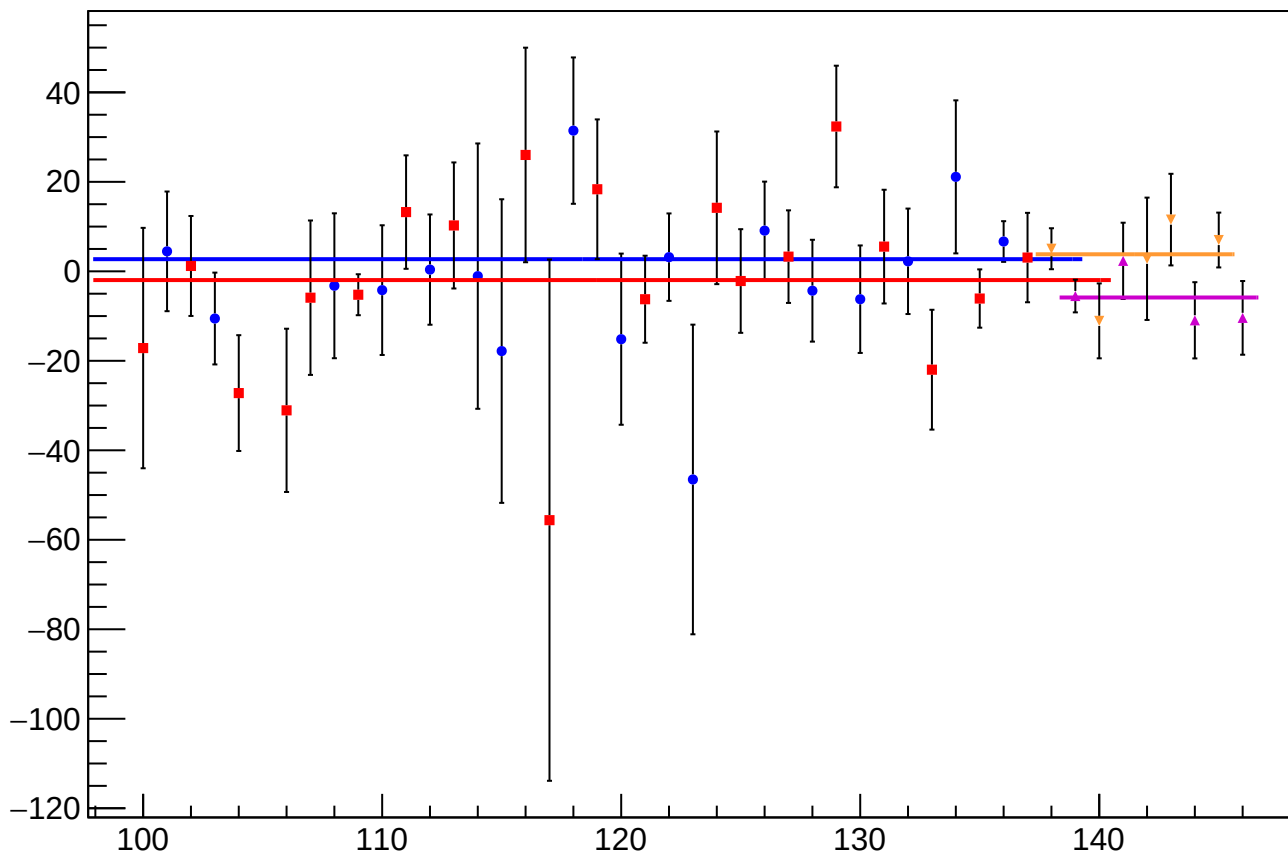
Left In: 8841.609 $\pm$ 3.537 χ^2/NDF :113169.7/3

10540.239 $\pm$ 2.497 χ^2/NDF : 2039400.1/21

10882.888 $\pm$ 1.807 χ^2/NDF : 4170501.4/4

11259.170 $\pm$ 2.617 χ^2/NDF : 2091604.7/23

diff_bpm1Y_mean vs Slug, Sign Corrected



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

Left Out: 3.811 ± 3.109 $\chi^2/\text{NDF}: 4.1/4$

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

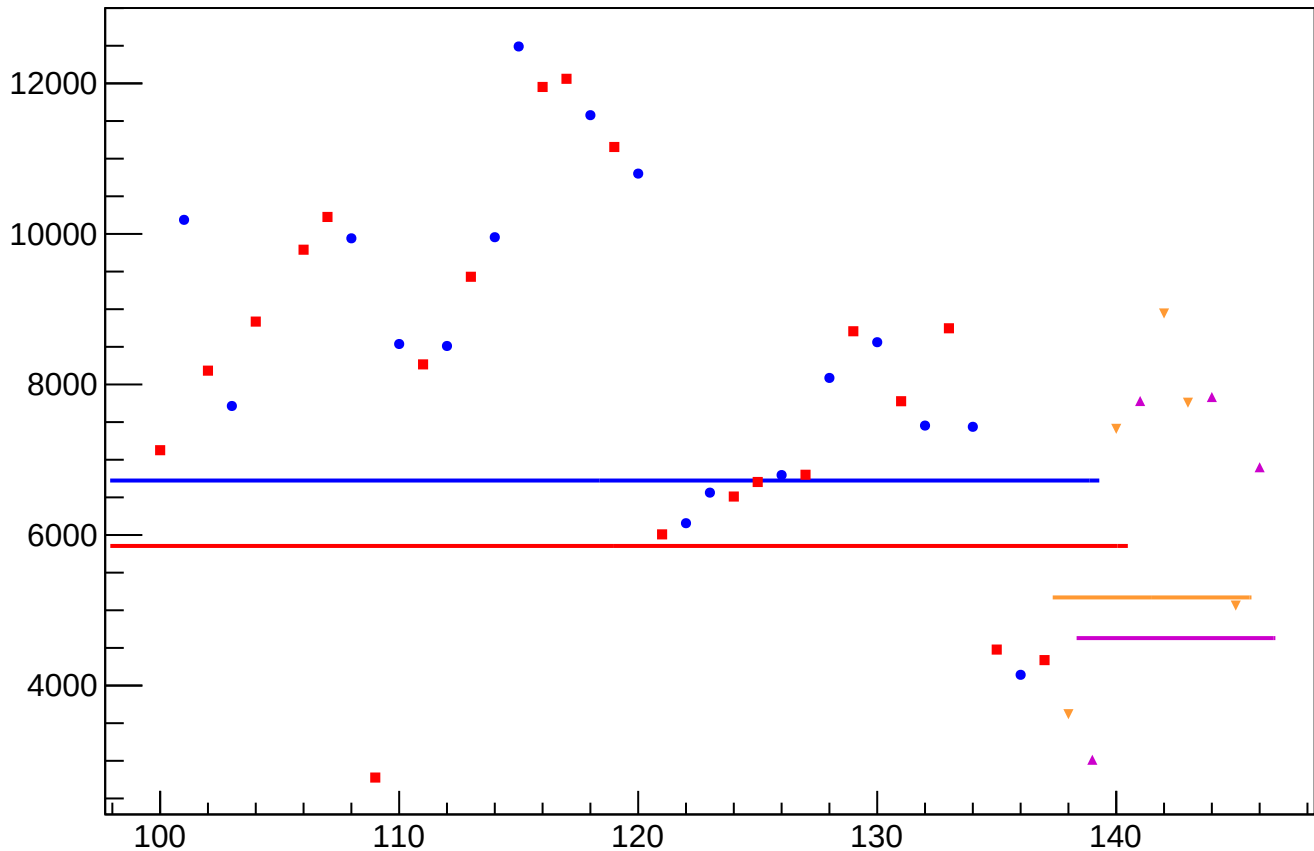
Left In: -5.848 ± 2.922 $\chi^2/\text{NDF}: 1.6/3$

3.198 ± 2.061 $\chi^2/\text{NDF}: 15.8/21$

-0.501 ± 1.385 $\chi^2/\text{NDF}: 48.7/45$

-3.552 ± 1.871 $\chi^2/\text{NDF}: 27.0/23$

diff_bpm1Y_rms vs Slug, Sign Corrected



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

Left Out: 5170.670 $\pm$ 2.198 χ^2/NDF : 653330.0/4

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

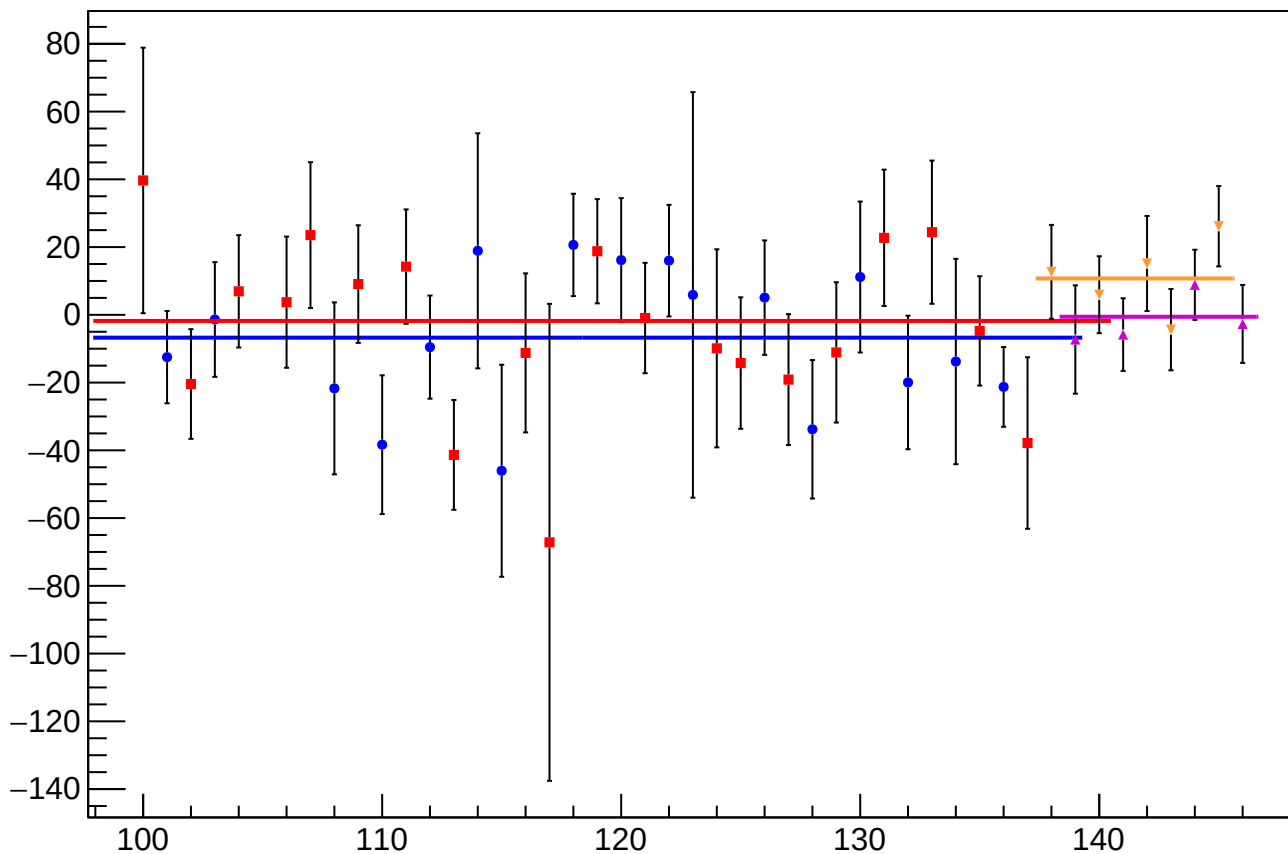
Left In: 4630.407 $\pm$ 2.066 χ^2/NDF : 1098675.8/3

6041.420 $\pm$ 1.457 χ^2/NDF : 2325307.2/21

5663.887 $\pm$ 0.980 χ^2/NDF : 6053558.1/45

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

diff_bpm11X_mean vs Slug, Sign Corrected



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

Left Out: 10.740 $\pm$ 5.583 χ^2/NDF : 3.6/4

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

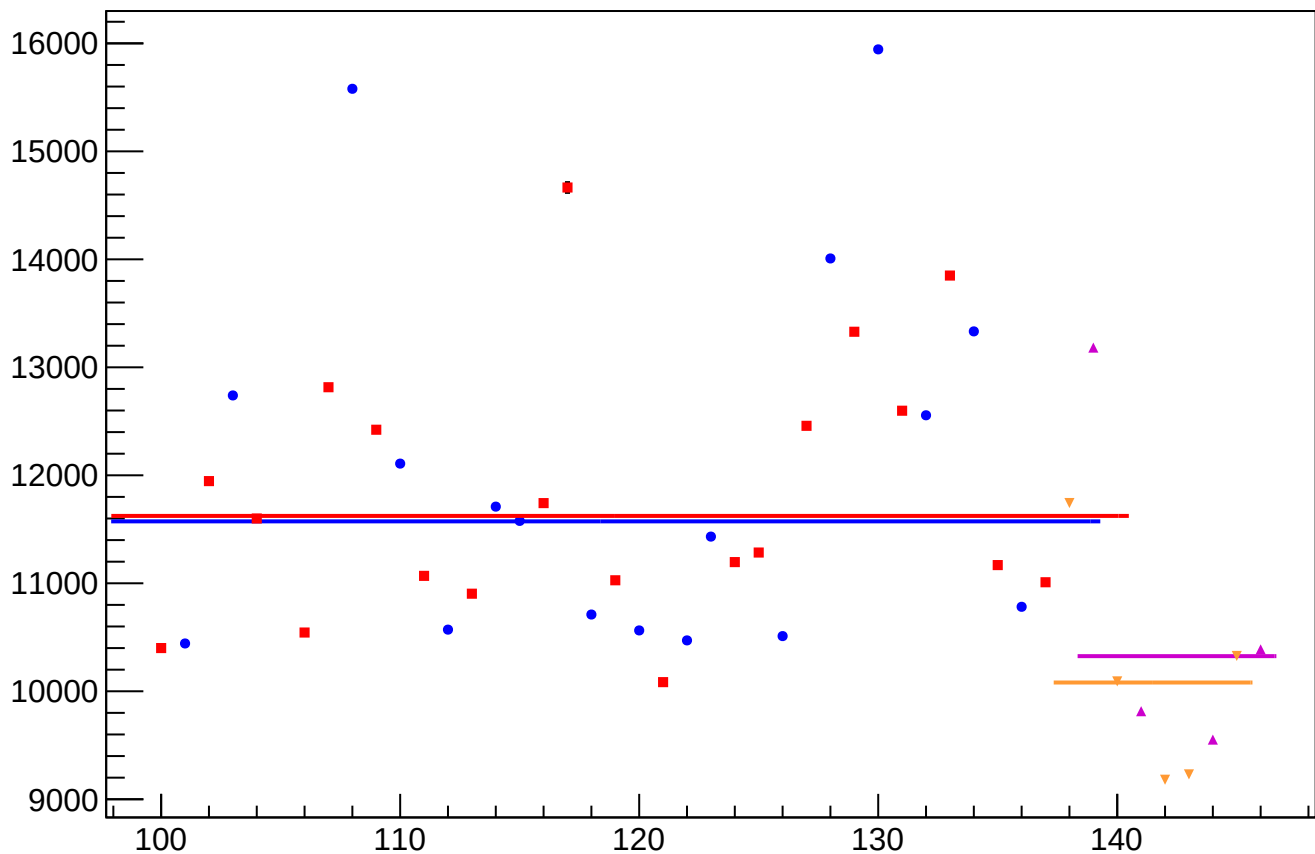
Left In: -0.569 $\pm$ 5.823 χ^2/NDF : 1.3/3

0.171 $\pm$ 3.510 χ^2/NDF : 26.4/21

-0.598 $\pm$ 2.475 χ^2/NDF : 48.6/45

-1.358 $\pm$ 3.492 χ^2/NDF : 22.1/23

diff_bpm11X_rms vs Slug, Sign Corrected



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

Left Out: 10081.157+/-3.947 χ^2/NDF : 47882.0/4

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

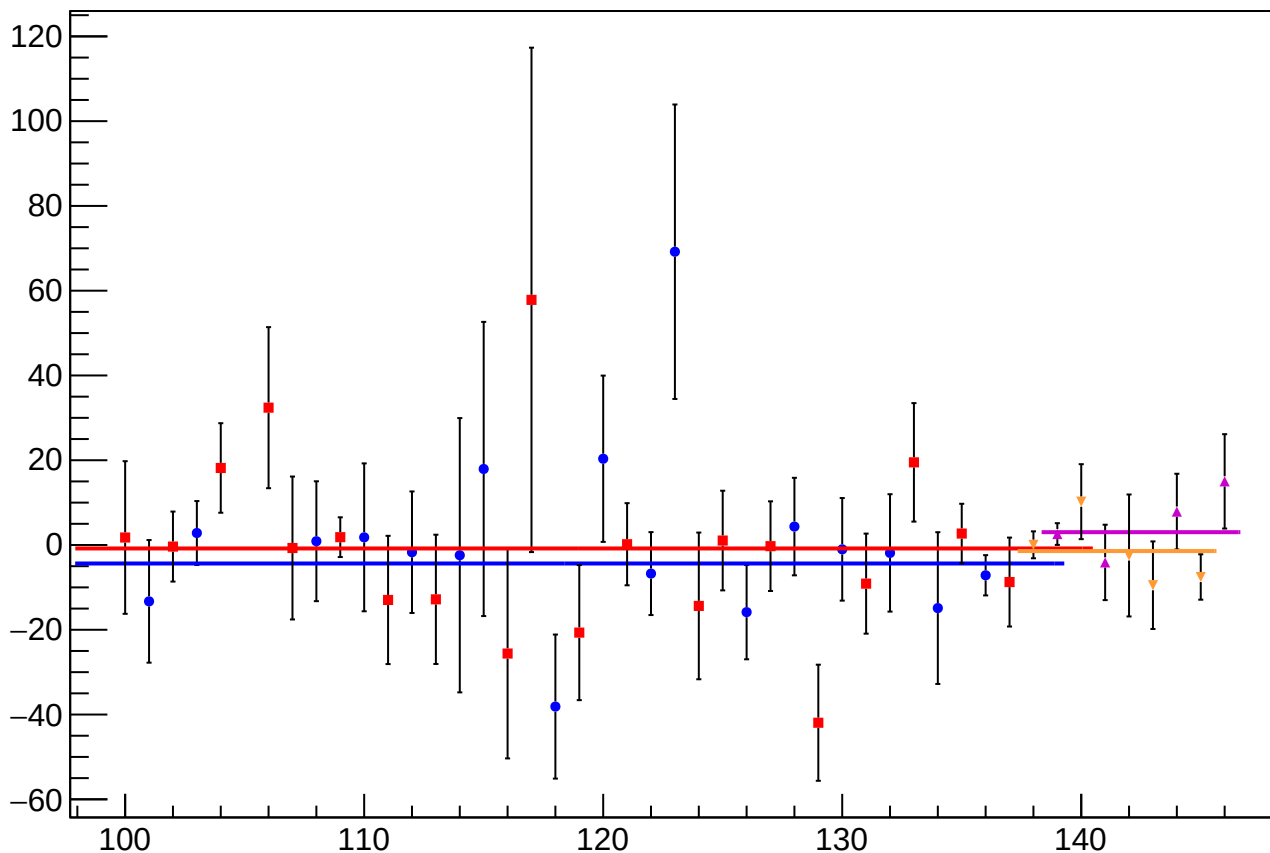
Left In: 10325.295+/-4.117 χ^2/NDF : 79581.5/3

10983.686+/-2.482 χ^2/NDF : 373052.0/21

11070.720+/-1.750 χ^2/NDF : 616836.1/45

11156.889+/-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: -1.425 ± 2.493 χ^2/NDF : 3.9/4

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

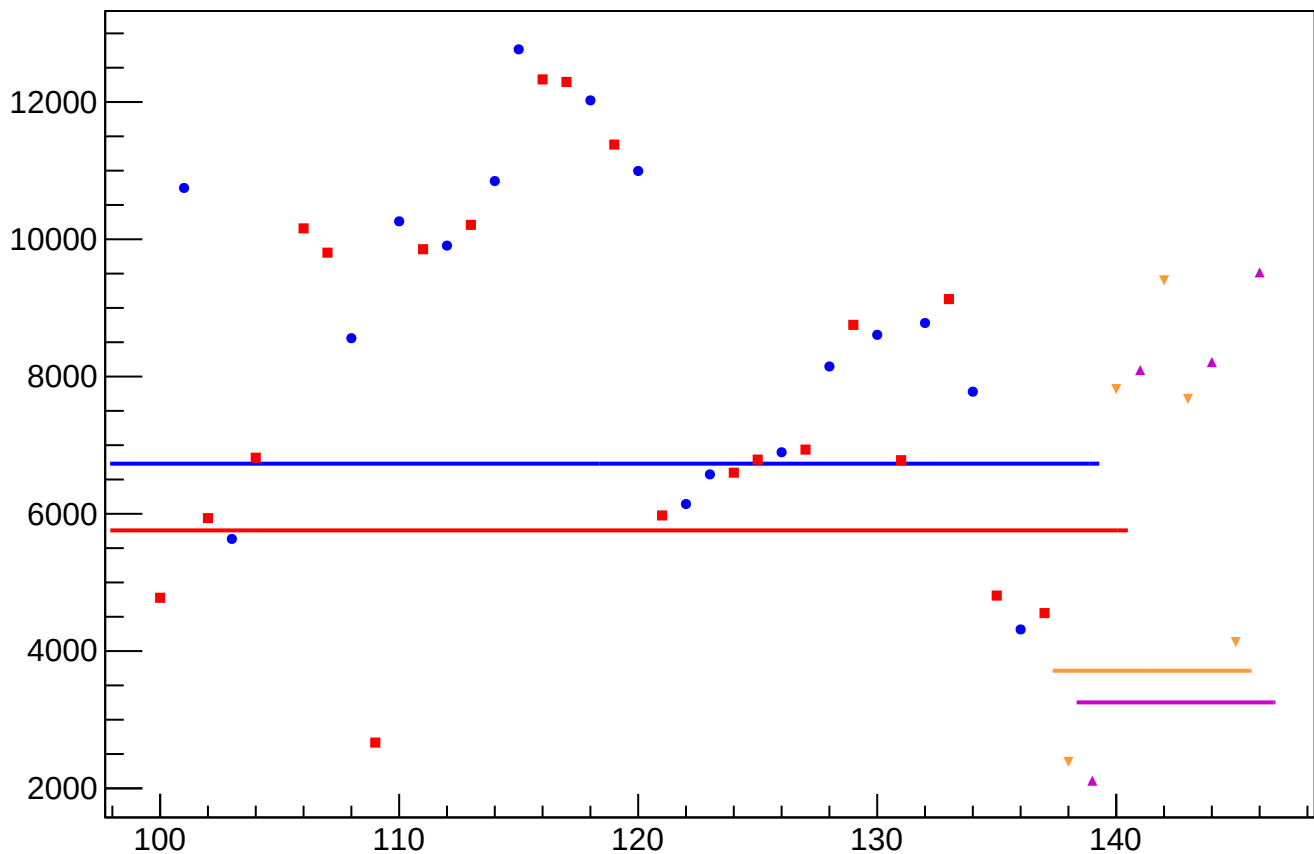
Left In: 3.027 ± 2.321 χ^2/NDF : 2.1/3

-2.735 ± 1.855 χ^2/NDF : 19.0/21

-0.575 ± 1.244 χ^2/NDF : 49.4/45

1.189 ± 1.676 χ^2/NDF : 28.0/23

diff_bpm11Y_rms vs Slug, Sign Corrected



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

Left Out: 3713.682+/-1.763 χ^2/NDF : 1399089.3/4

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

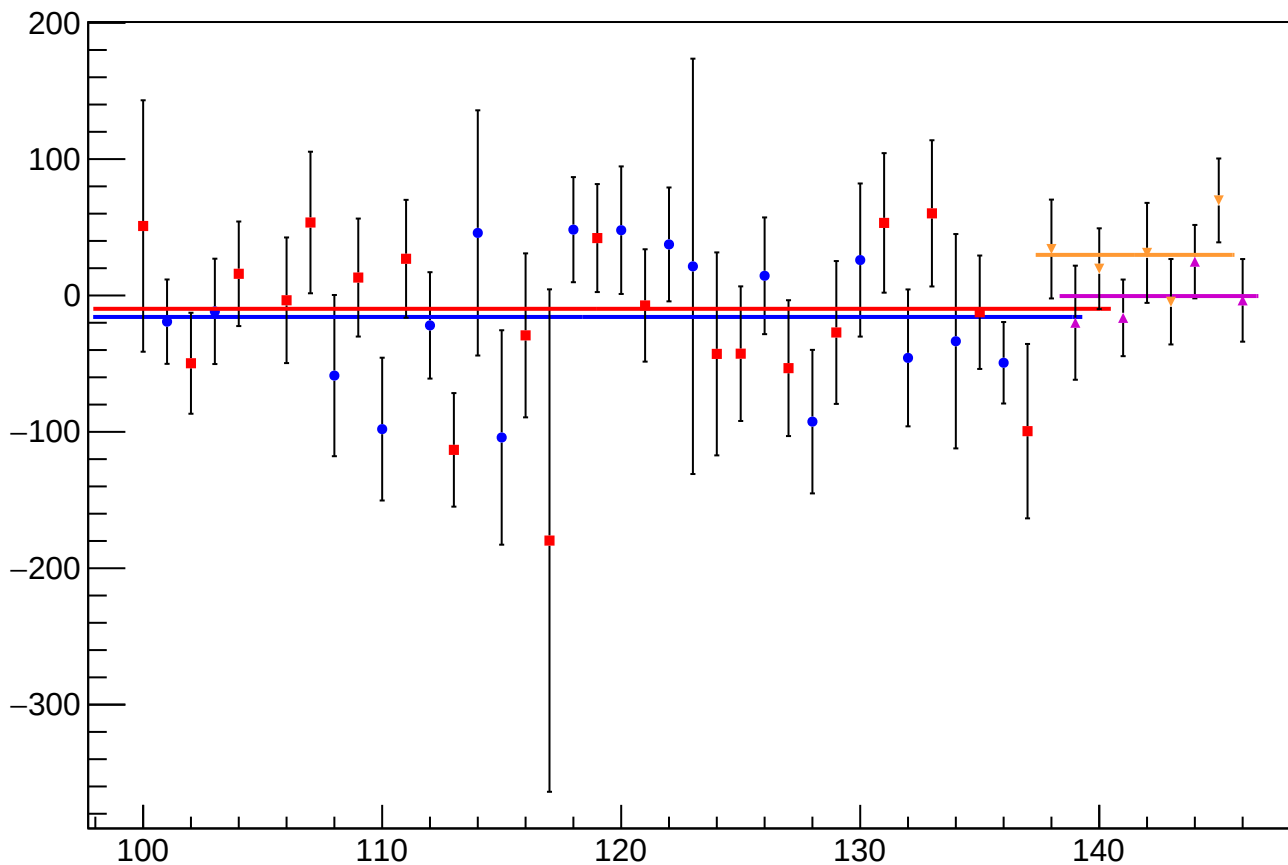
Left In: 3252.514+/-1.641 χ^2/NDF : 2239294.0/3

5060.410+/-1.312 χ^2/NDF : 4151965.6/21

4724.875+/-0.879 χ^2/NDF : 9811908.2/45

4450.841+/-1.185 χ^2/NDF : 5541046.0/23

diff_bpm12X_mean vs Slug, Sign Corrected



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

Left Out: 29.773 $\pm$ 14.551 χ^2/NDF : 3.0/4

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

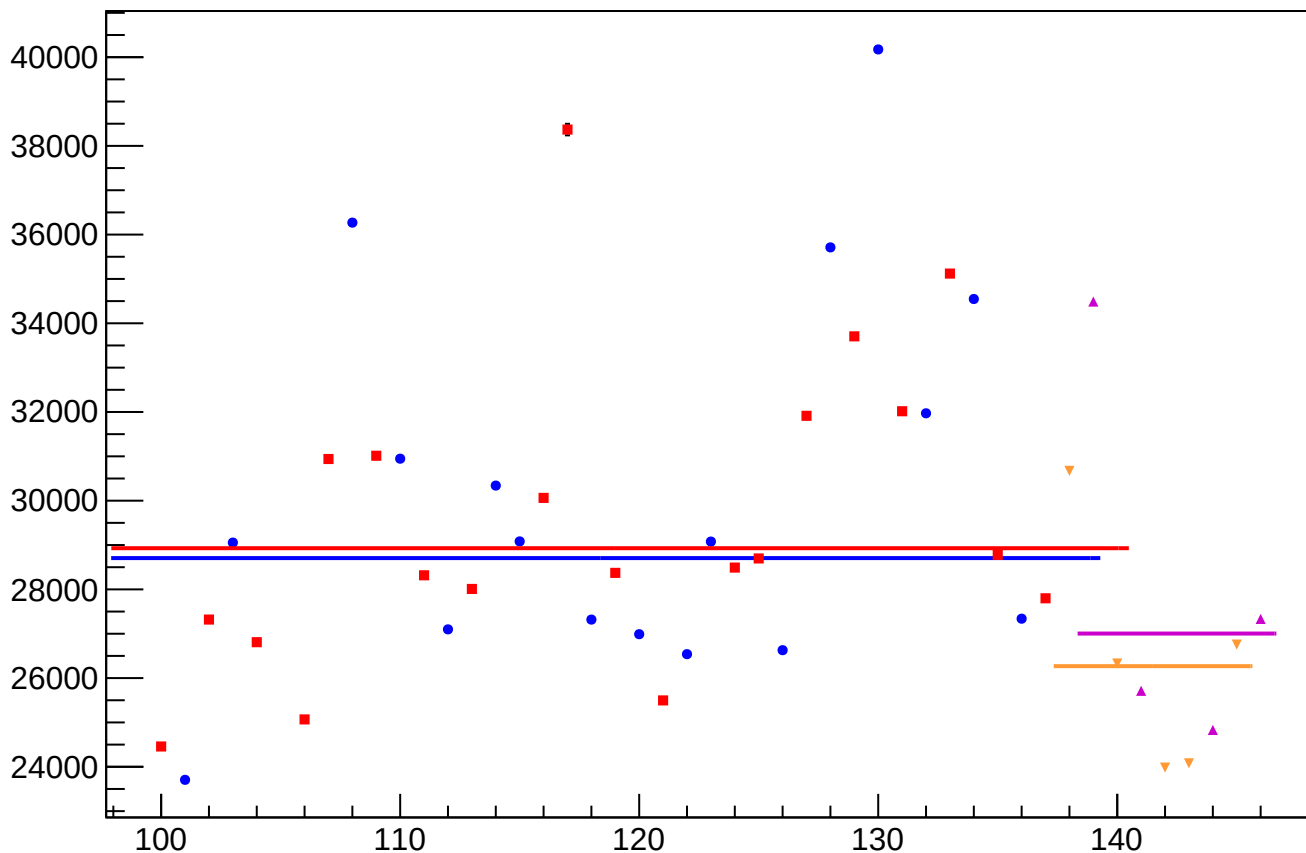
Left In: -0.426 $\pm$ 15.233 χ^2/NDF : 1.4/3

1.200 $\pm$ 8.879 χ^2/NDF : 25.1/21

-2.723 $\pm$ 6.268 χ^2/NDF : 47.3/45

-6.619 $\pm$ 8.848 χ^2/NDF : 21.8/23

diff_bpm12X_rms vs Slug, Sign Corrected



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

Left Out: 26268.862 ± 10.289 $\chi^2/\text{NDF}: 47615.4/4$

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

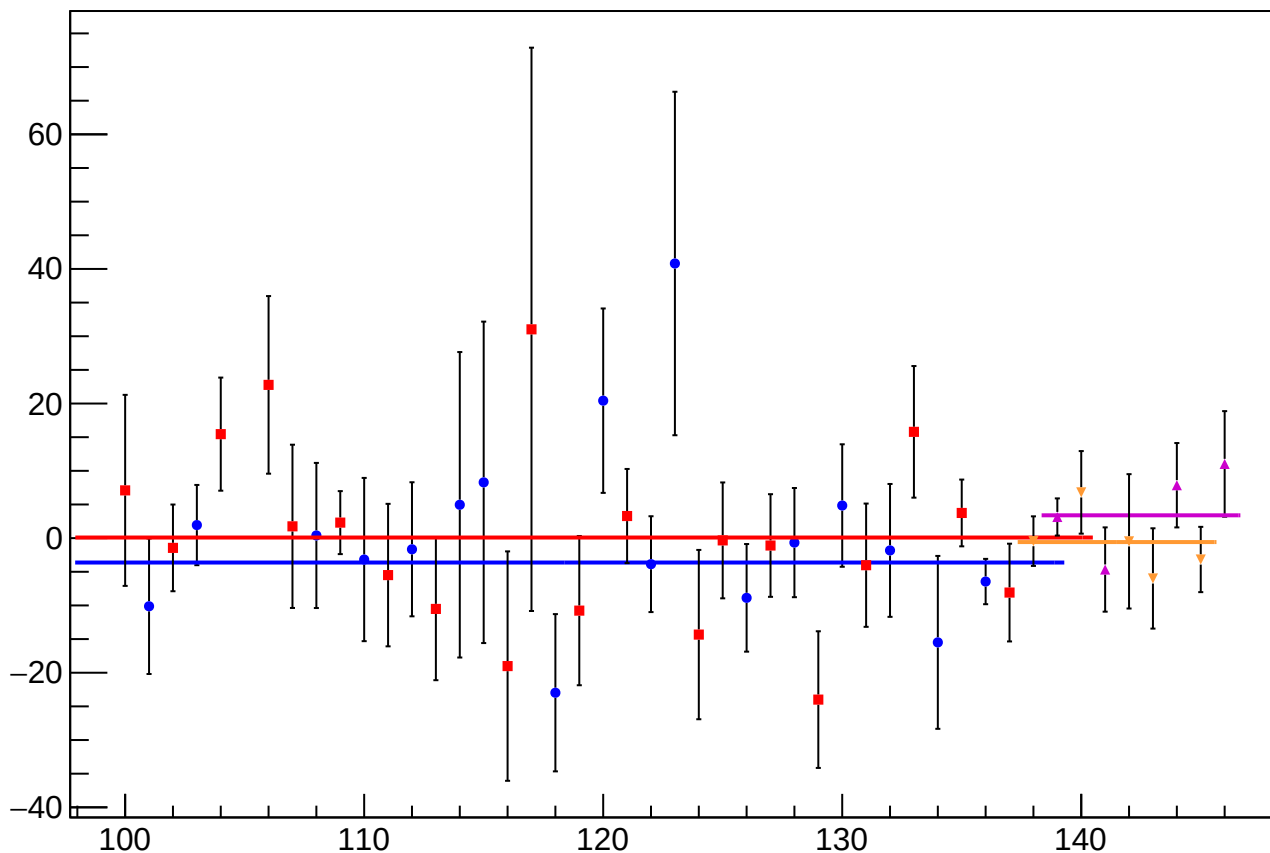
Left In: 27004.140 ± 10.772 $\chi^2/\text{NDF}: 81562.5/3$

27798.263 ± 6.278 $\chi^2/\text{NDF}: 333810.2/21$

28039.583 ± 4.432 $\chi^2/\text{NDF}: 555948.2/45$

28279.239 ± 6.257 $\chi^2/\text{NDF}: 219193.4/23$

diff_bpm12Y_mean vs Slug, Sign Corrected



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

Left Out: -0.584 ± 2.420 χ^2/NDF : 2.3/4

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

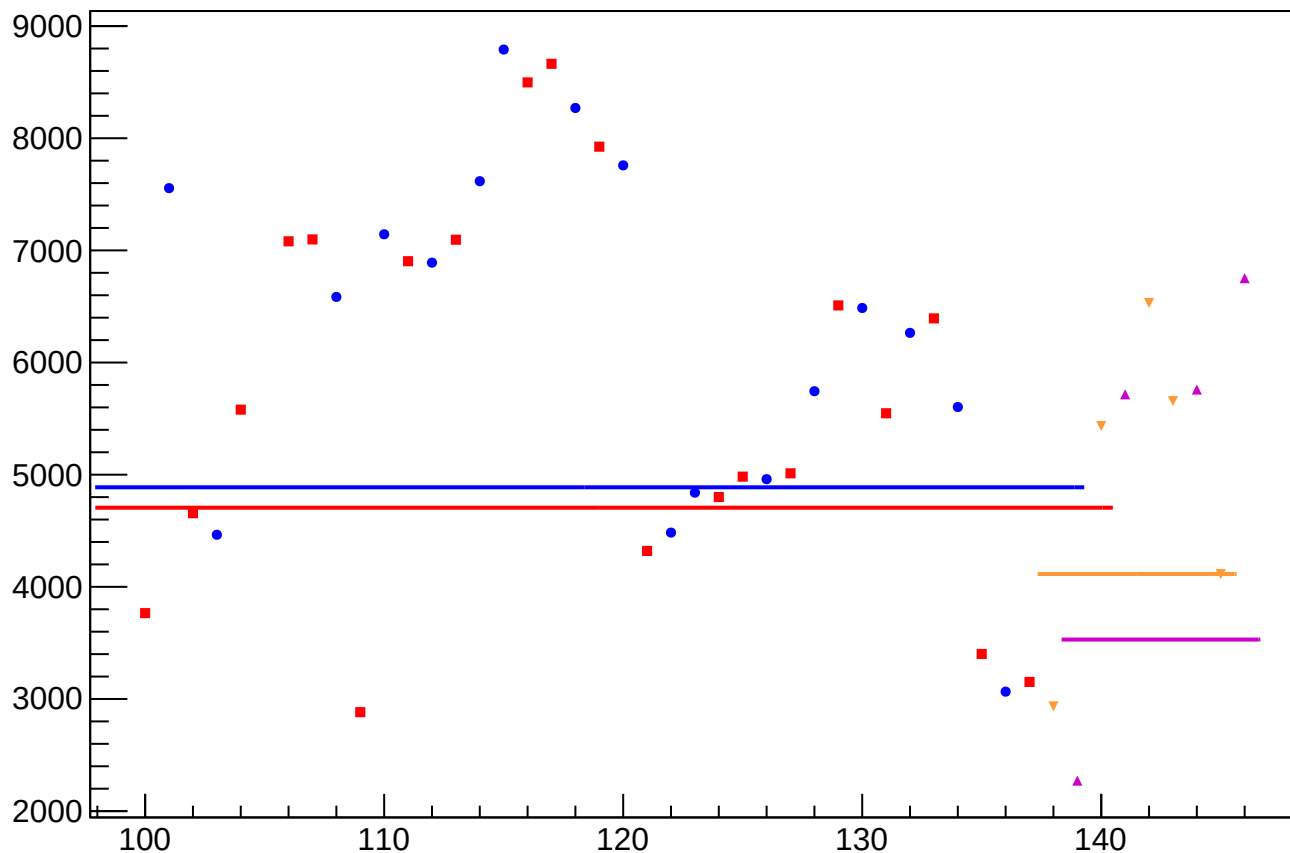
Left In: 3.391 ± 2.245 χ^2/NDF : 3.1/3

-2.387 ± 1.544 χ^2/NDF : 16.9/21

-0.337 ± 1.055 χ^2/NDF : 47.3/45

1.458 ± 1.445 χ^2/NDF : 27.0/23

diff_bpm12Y_rms vs Slug, Sign Corrected



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

Left Out: 4114.570+/-1.711 χ^2/NDF : 500408.7/4

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

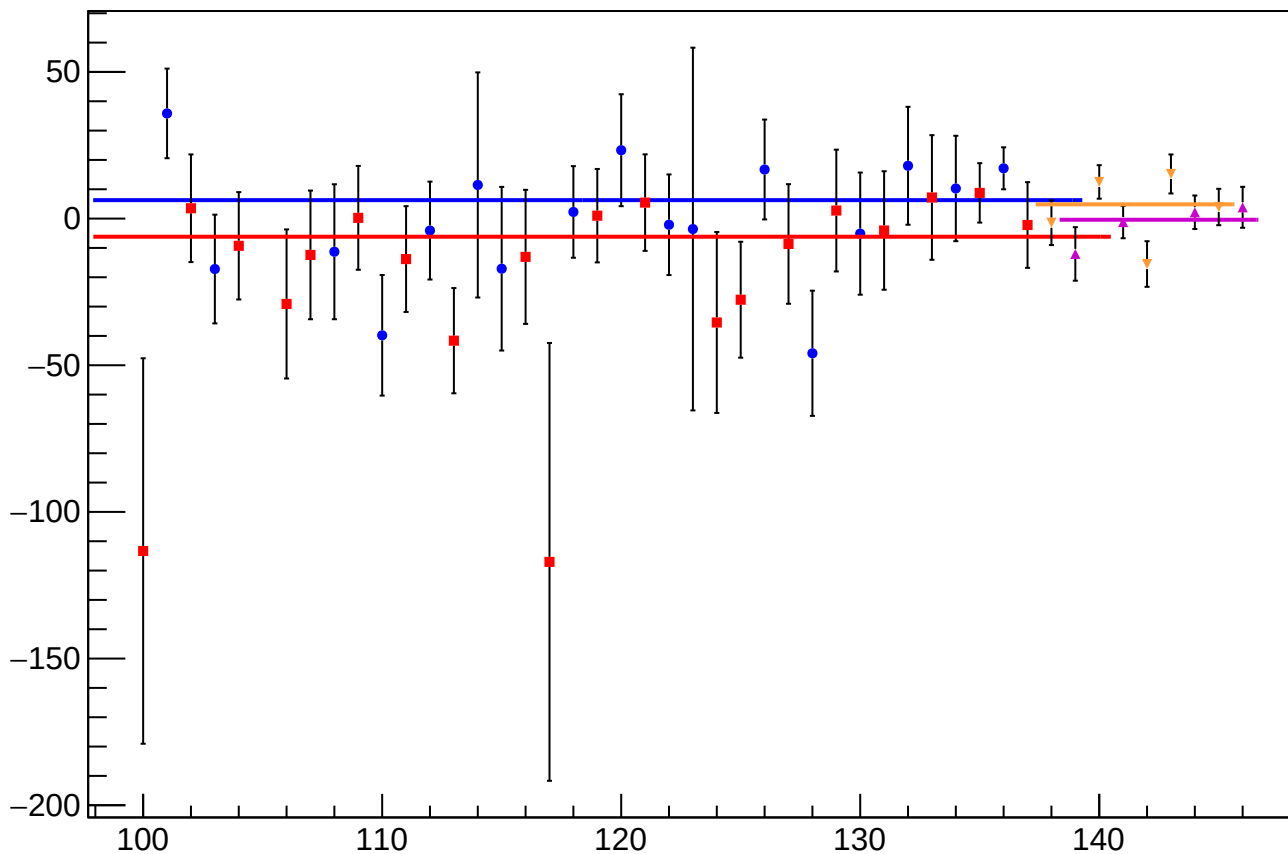
Left In: 3529.767+/-1.588 χ^2/NDF : 1249194.3/3

4572.709+/-1.092 χ^2/NDF : 2030642.2/21

4383.957+/-0.746 χ^2/NDF : 4988309.5/45

4218.701+/-1.022 χ^2/NDF : 2901636.9/23

diff_bpm16X_mean vs Slug, Sign Corrected



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

Left Out: 4.858 ± 2.975 χ^2/NDF : 11.8/4

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

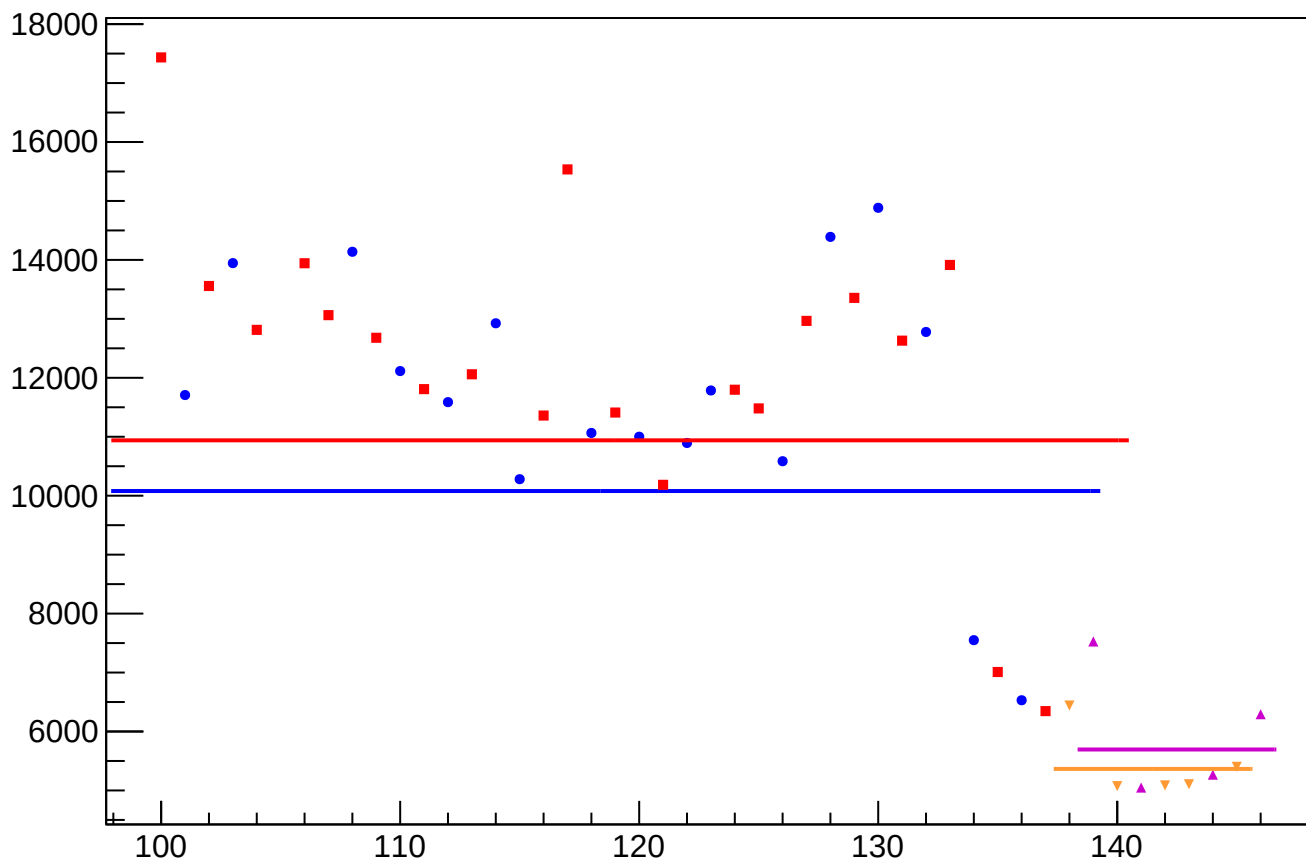
Left In: -0.396 ± 3.227 χ^2/NDF : 2.2/3

5.355 ± 2.401 χ^2/NDF : 34.4/21

1.665 ± 1.752 χ^2/NDF : 58.9/45

-2.536 ± 2.562 χ^2/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: 5365.315 $\pm$ 2.104 χ^2/NDF : 50833.9/4

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

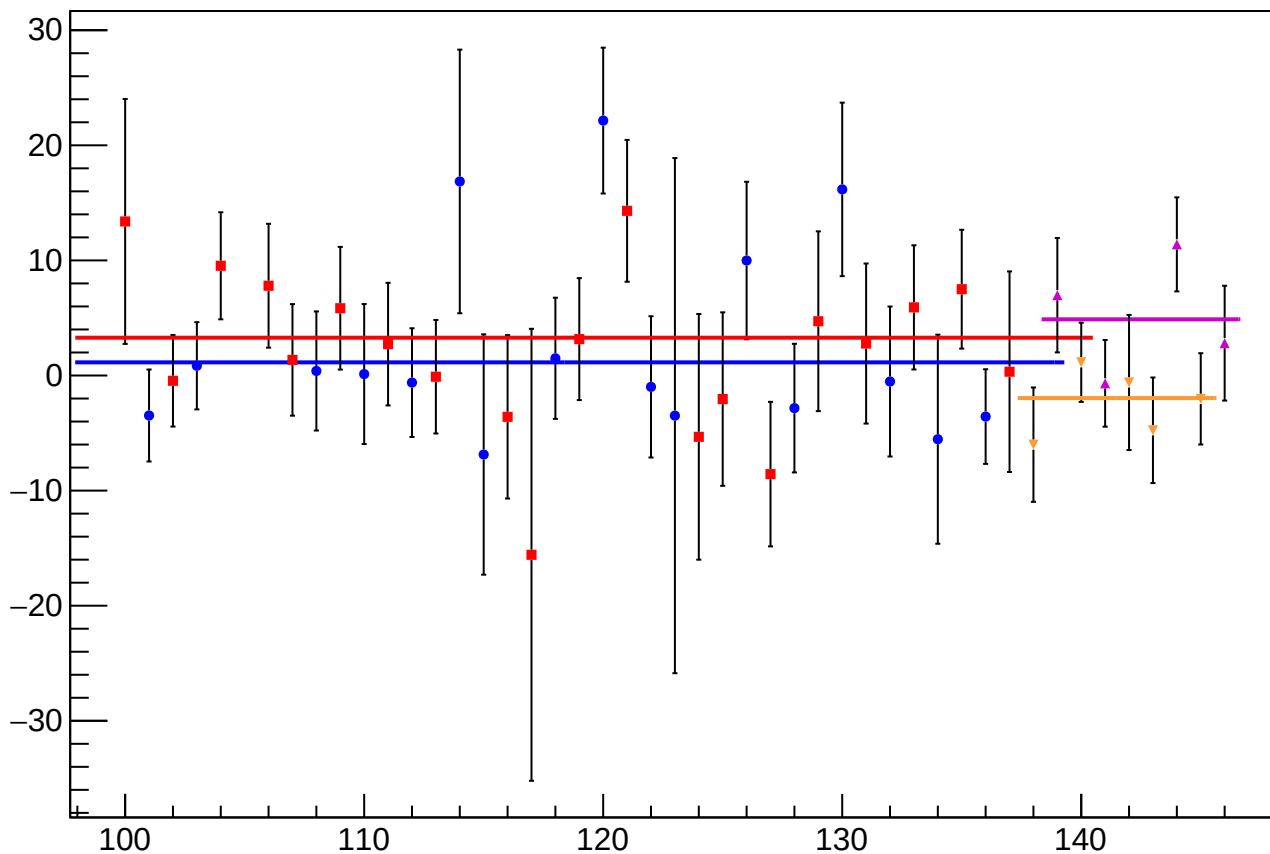
Left In: 5694.722 $\pm$ 2.282 χ^2/NDF : 133914.2/3

7010.256 $\pm$ 1.698 χ^2/NDF : 2797469.8/21

7302.115 $\pm$ 1.239 χ^2/NDF : 5724210.8/45

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: -1.959 ± 1.942 χ^2/NDF : 1.9/4

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

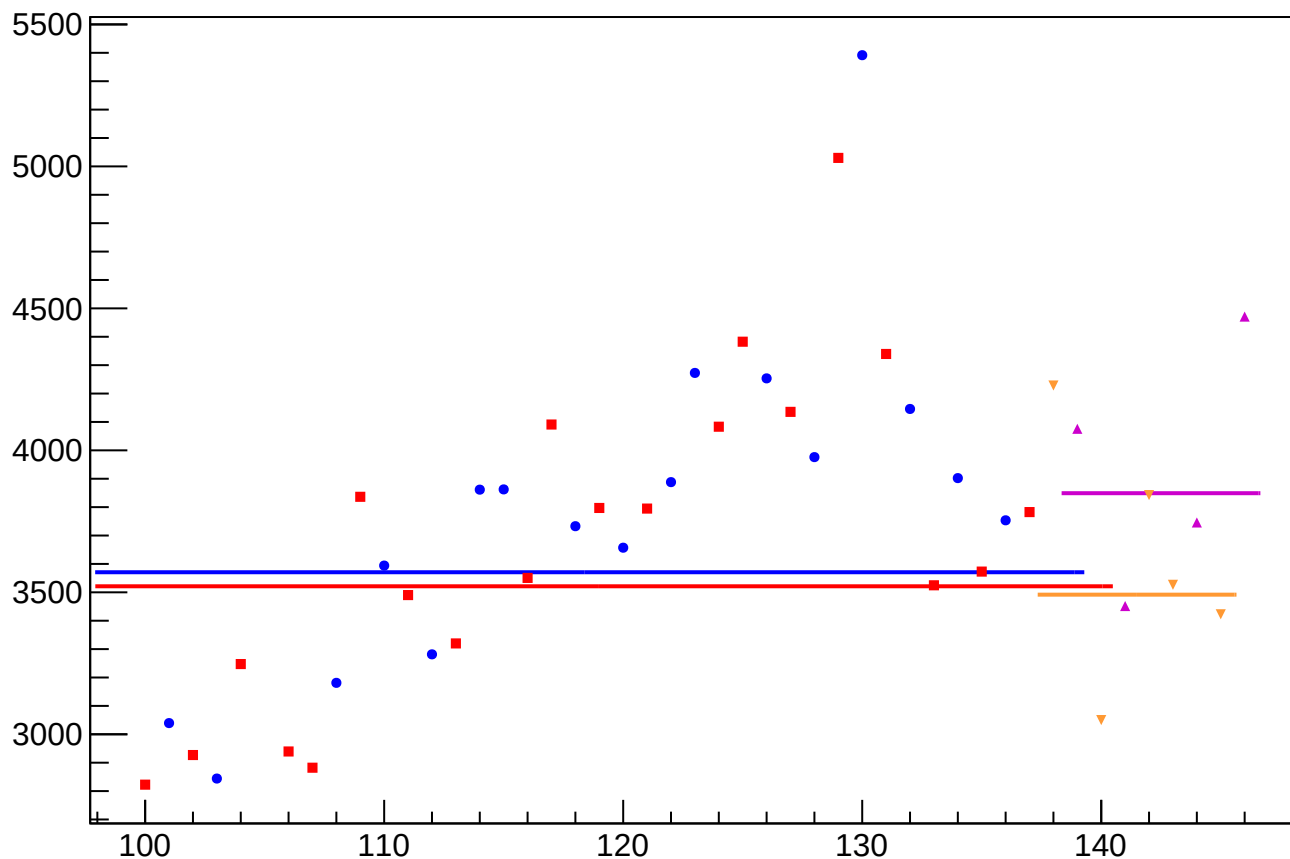
Left In: 4.882 ± 2.177 χ^2/NDF : 5.1/3

0.087 ± 1.133 χ^2/NDF : 26.8/21

1.900 ± 0.802 χ^2/NDF : 53.4/45

3.718 ± 1.135 χ^2/NDF : 21.5/23

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.707 ± 0.987 $\chi^2/\text{NDF}: 309568.0/16$

Left Out: 3491.743 ± 1.373 $\chi^2/\text{NDF}: 84789.6/4$

Right Out: 3521.247 ± 0.941 $\chi^2/\text{NDF}: 294919.2/19$

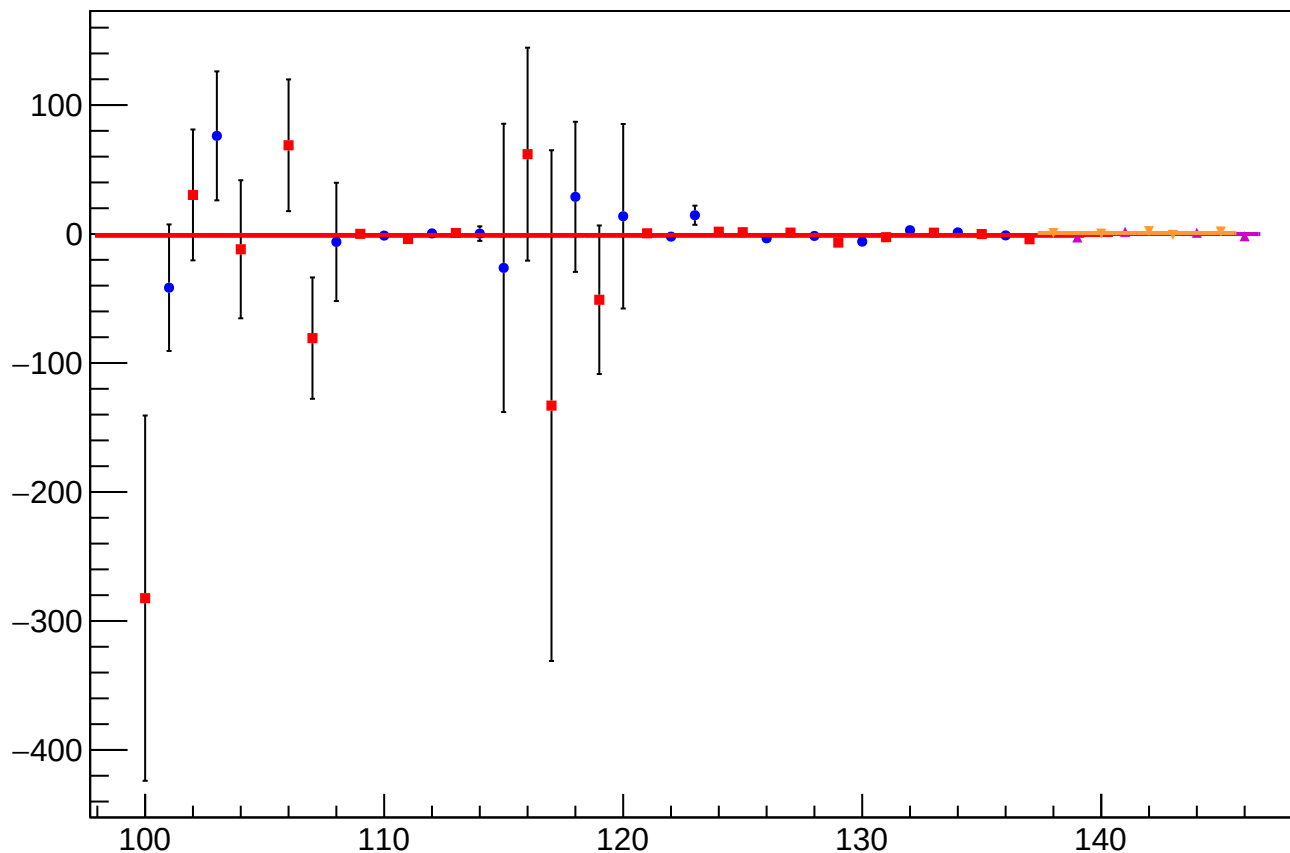
Left In: 3849.085 ± 1.539 $\chi^2/\text{NDF}: 58788.0/3$

3543.825 ± 0.801 $\chi^2/\text{NDF}: 396538.5/21$

3577.047 ± 0.567 $\chi^2/\text{NDF}: 786724.0/45$

3610.379 ± 0.803 $\chi^2/\text{NDF}: 386741.2/23$

diff_bpm1p02bX_mean vs Slug, Sign Corrected



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

Left Out: 0.838 ± 0.564 χ^2/NDF : 3.4/4

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

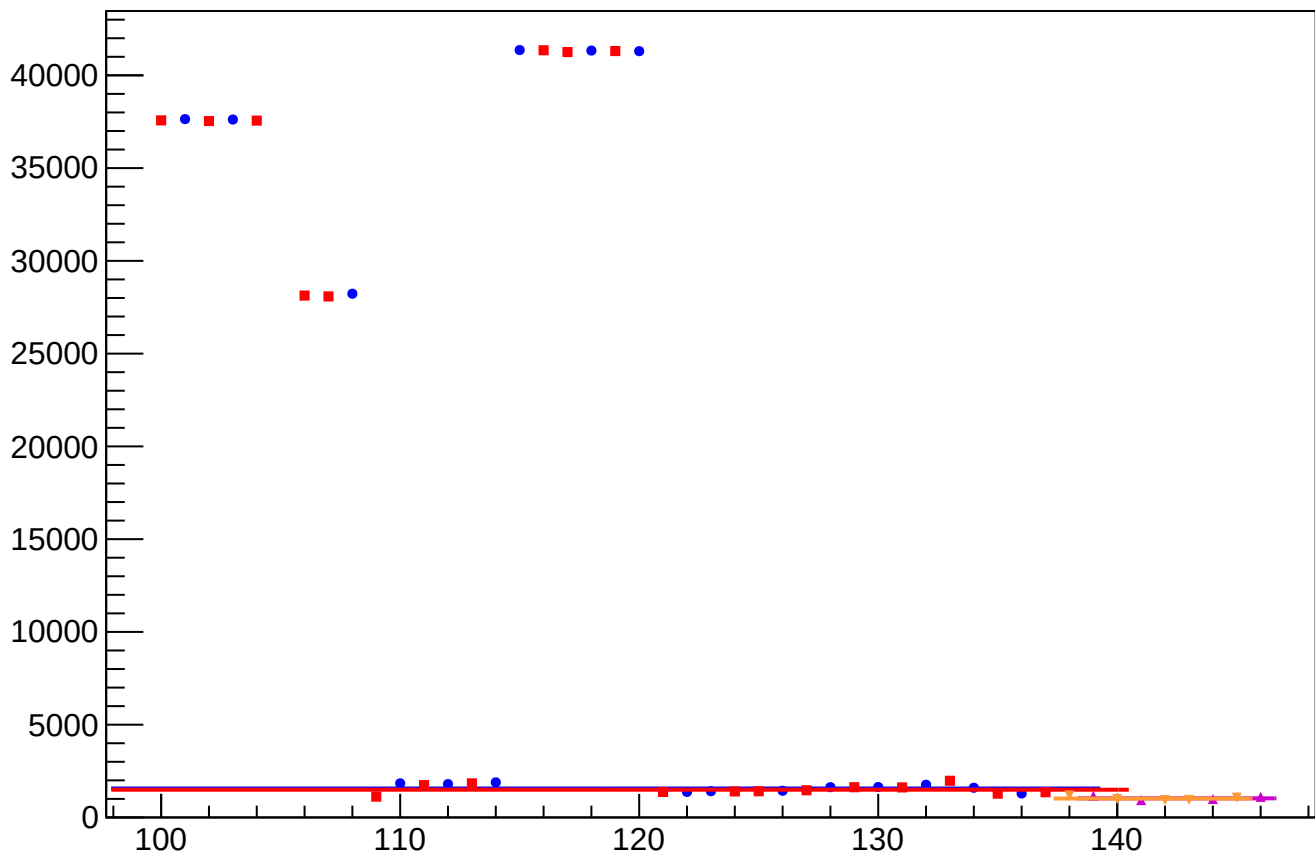
Left In: 0.003 ± 0.581 χ^2/NDF : 9.1/3

0.078 ± 0.450 χ^2/NDF : 24.7/21

-0.108 ± 0.318 χ^2/NDF : 57.3/45

-0.293 ± 0.450 χ^2/NDF : 32.3/23

diff_bpm1p02bX_rms vs Slug, Sign Corrected



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

Left Out: 1019.019 $\pm$ 0.398 χ^2 /NDF: 45955.9/4

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

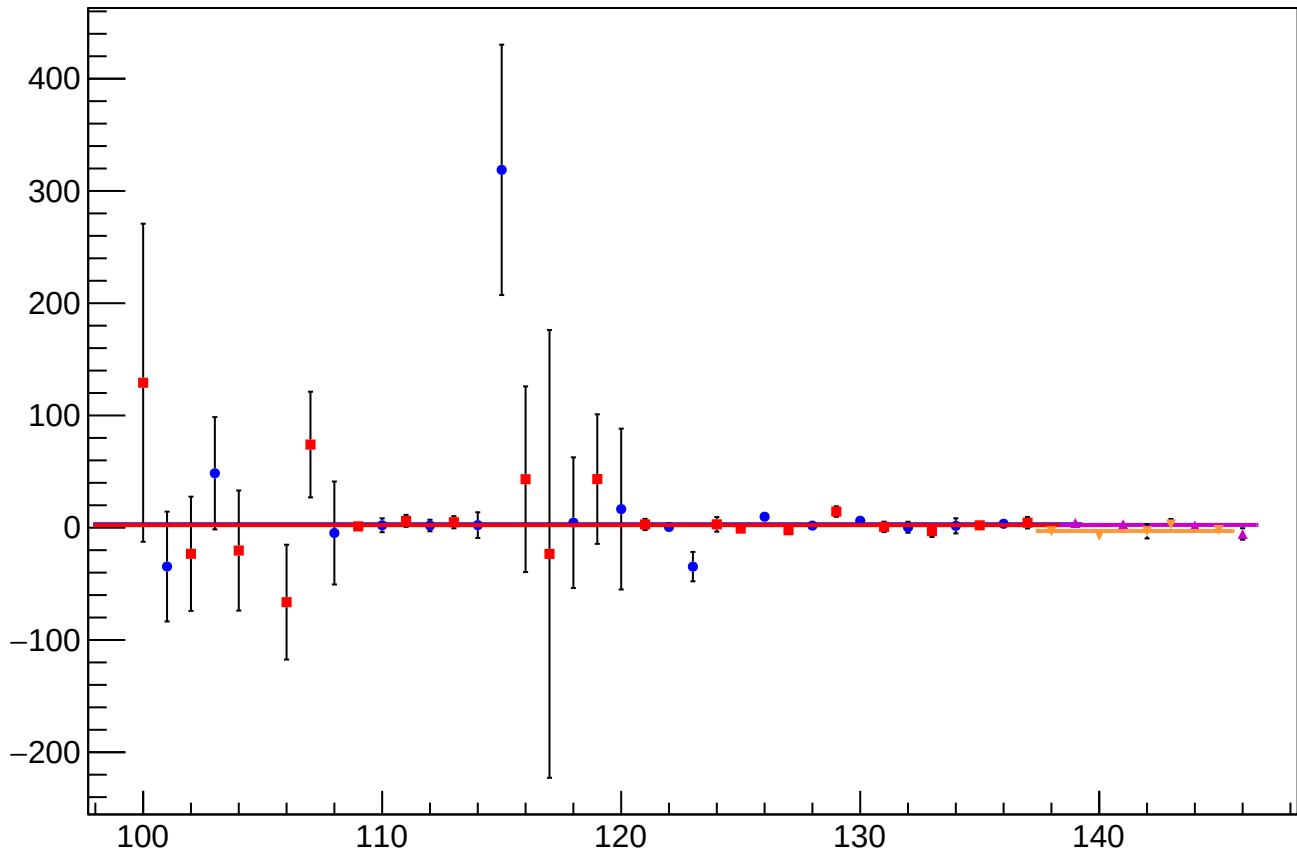
Left In: 1030.103 $\pm$ 0.411 χ^2 /NDF: 47229.6/3

1214.586 $\pm$ 0.318 χ^2 /NDF: 5464631.5/21

1215.495 $\pm$ 0.225 χ^2 /NDF: 10999296.1/4

1216.403 $\pm$ 0.318 χ^2 /NDF: 5534648.4/23

diff_bpm1p02bY_mean vs Slug, Sign Corrected



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

Left Out: -2.948 $\pm$ 1.583 χ^2/NDF : 2.5/4

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

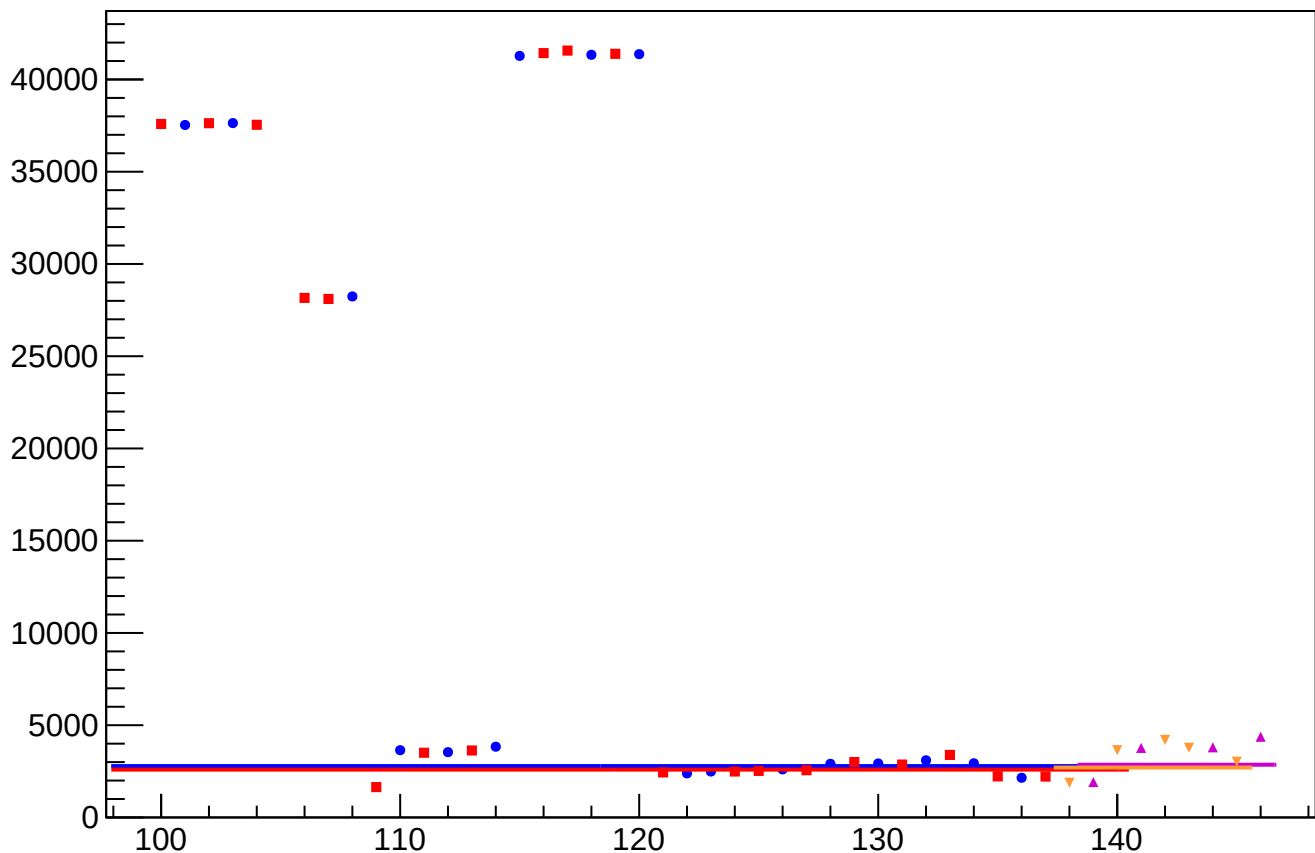
Left In: 2.493 $\pm$ 1.729 χ^2/NDF : 3.1/3

0.598 $\pm$ 1.015 χ^2/NDF : 32.9/21

1.493 $\pm$ 0.714 χ^2/NDF : 54.5/45

2.368 $\pm$ 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: 2705.552 $\pm$ 1.120 χ^2 /NDF: 590090.4/4

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

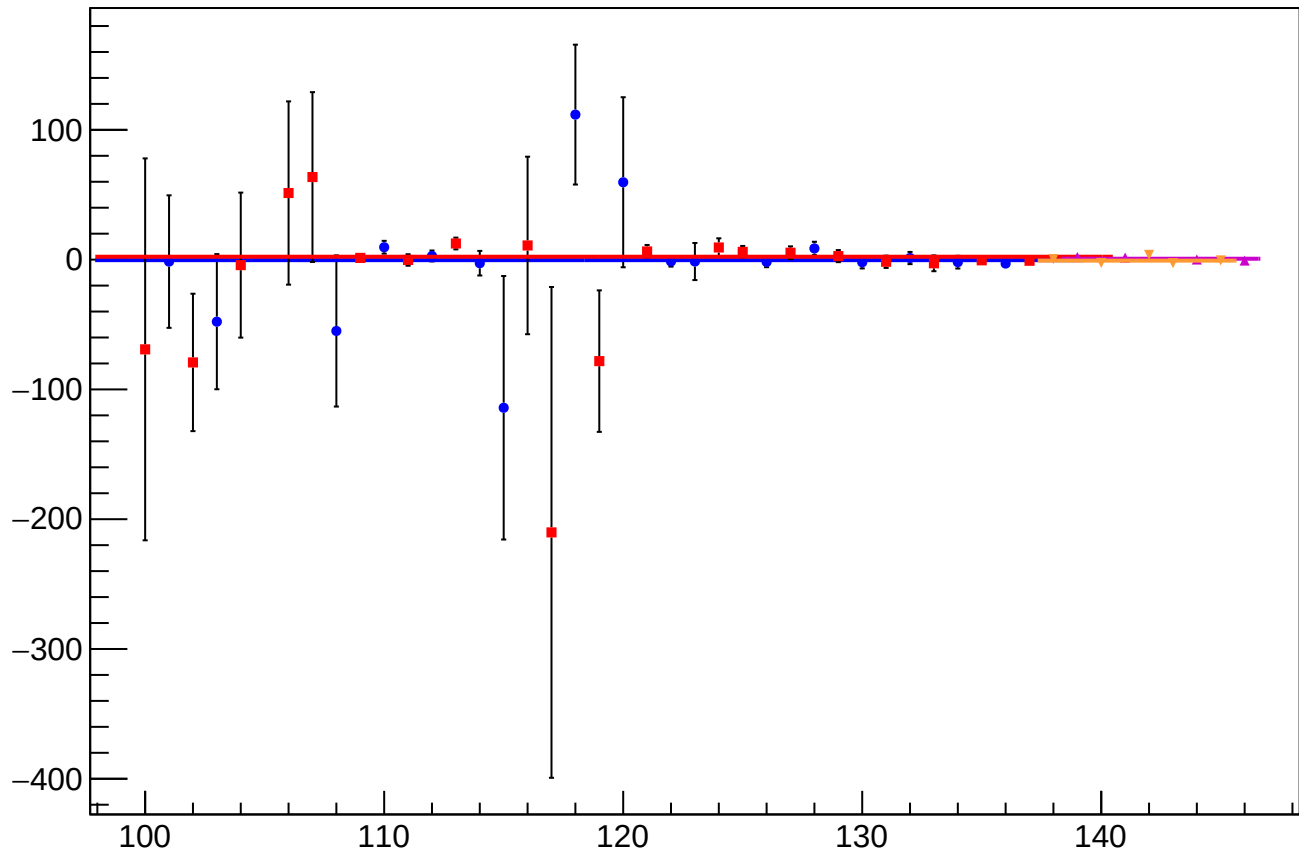
Left In: 2858.322 $\pm$ 1.222 χ^2 /NDF: 694135.7/3

2751.737 $\pm$ 0.718 χ^2 /NDF: 5170404.2/21

2716.692 $\pm$ 0.505 χ^2 /NDF: 10823617.0/4

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

diff_bpm1p03aX_mean vs Slug, Sign Corrected



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

Left Out: -0.760 ± 0.840 χ^2/NDF : 6.8/4

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

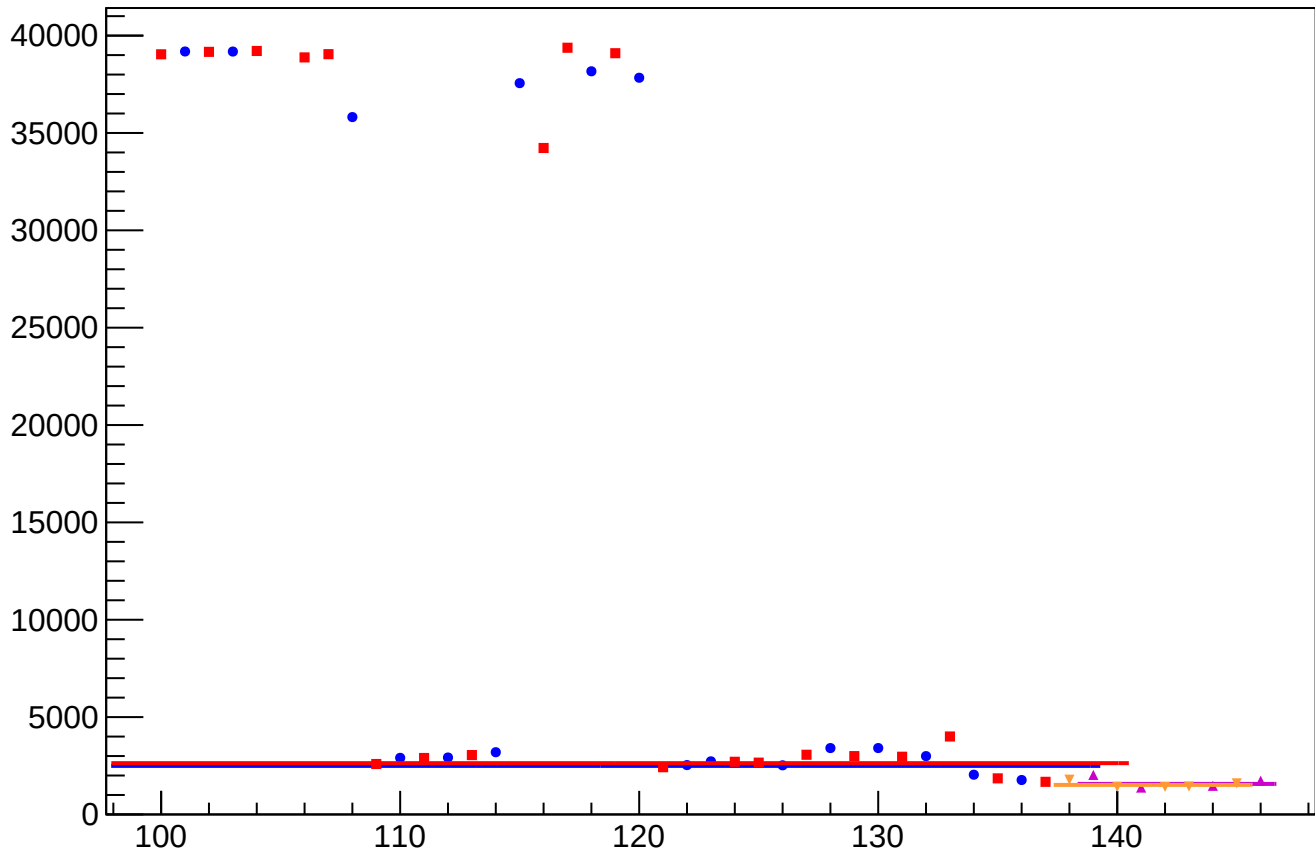
Left In: 0.696 ± 0.889 χ^2/NDF : 1.3/3

-0.645 ± 0.691 χ^2/NDF : 25.1/21

0.243 ± 0.500 χ^2/NDF : 49.6/45

1.216 ± 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: 1517.437+/-0.594 χ^2/NDF : 51987.2/4

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

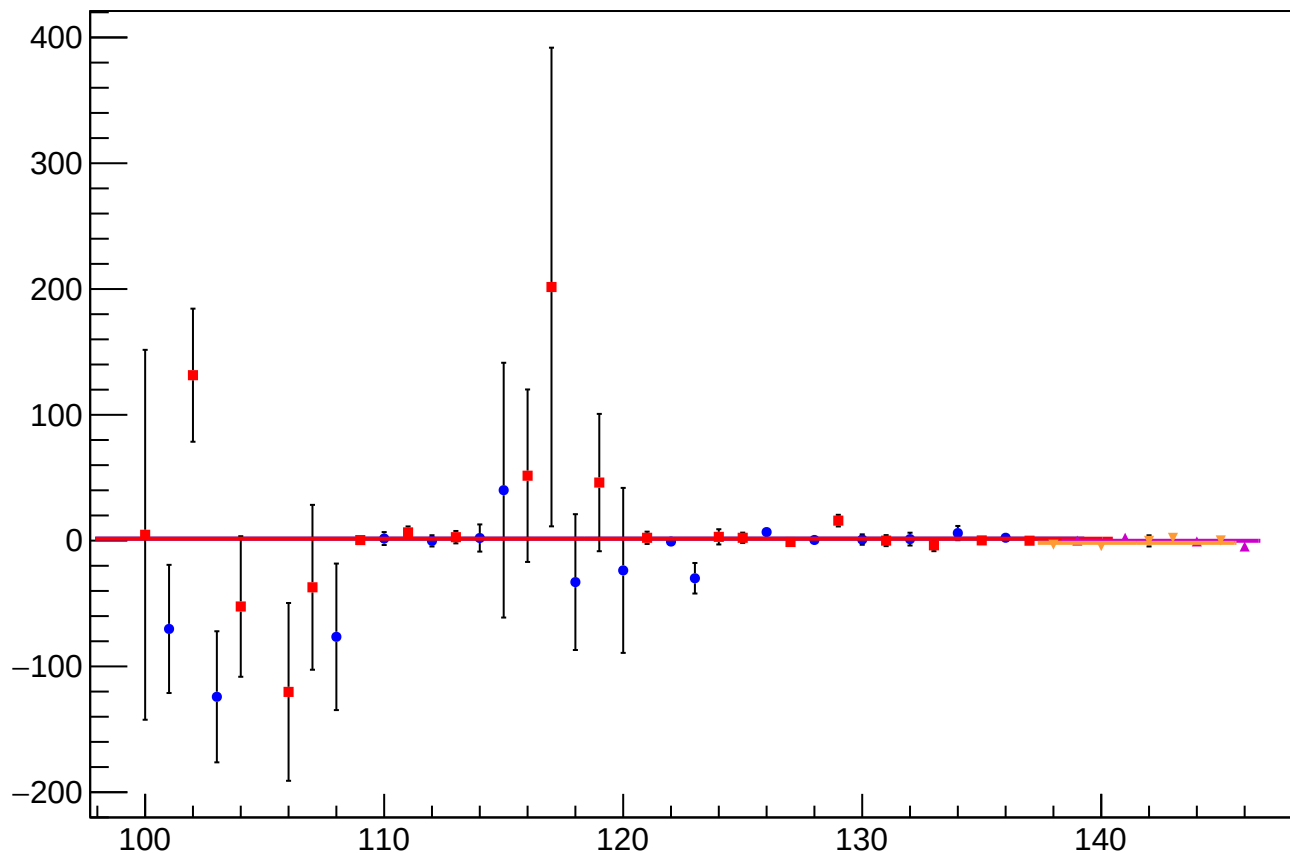
Left In: 1568.838+/-0.629 χ^2/NDF : 123785.0/3

1832.694+/-0.489 χ^2/NDF : 5808748.8/21

1878.501+/-0.354 χ^2/NDF : 11856824.4/4

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

diff_bpm1p03aY_mean vs Slug, Sign Corrected



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

Left Out: -1.769+/-1.094 χ^2/NDF : 4.0/4

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

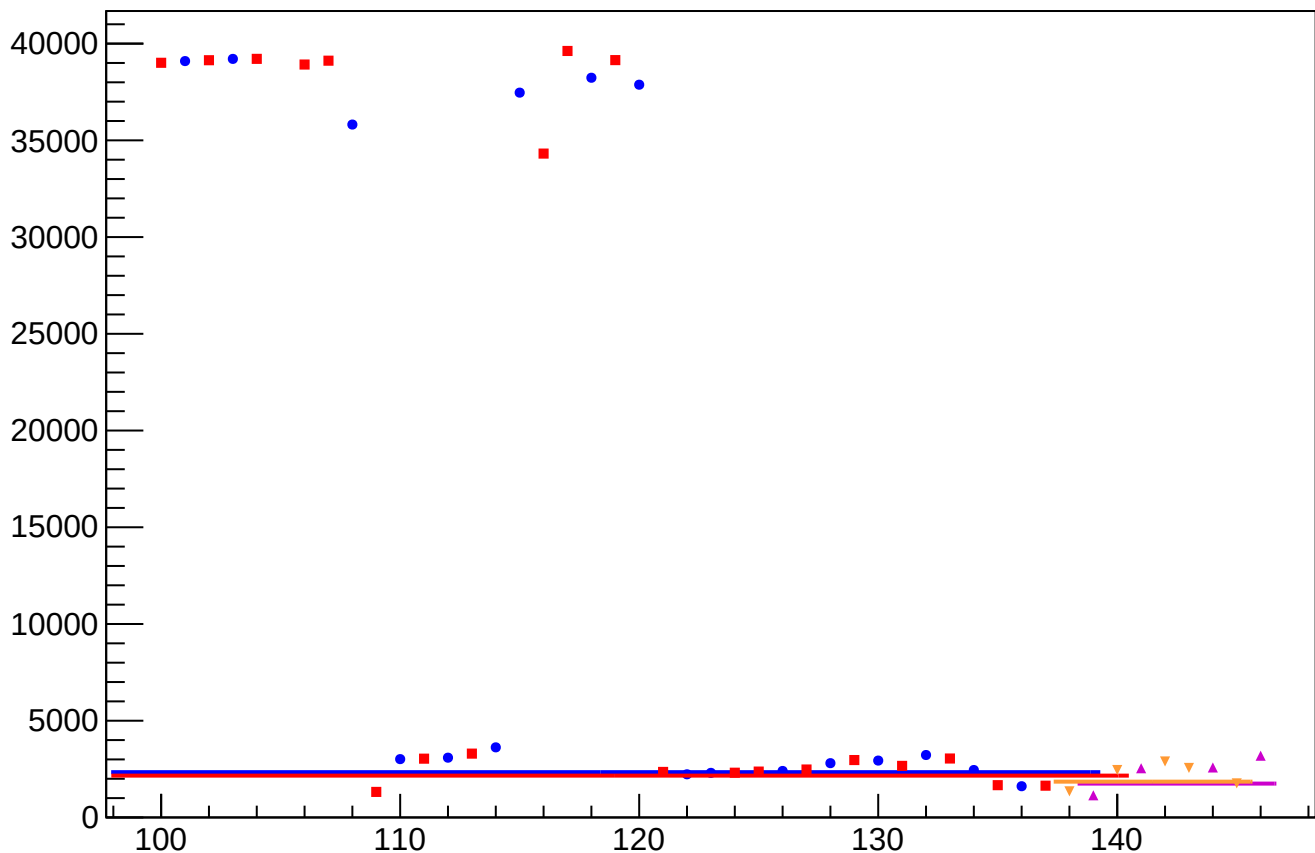
Left In: -0.118+/-1.087 χ^2/NDF : 2.3/3

-0.169+/-0.790 χ^2/NDF : 28.8/21

0.295+/-0.548 χ^2/NDF : 59.1/45

0.725+/-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: 1850.887+/-0.774 χ^2/NDF : 471804.8/4

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

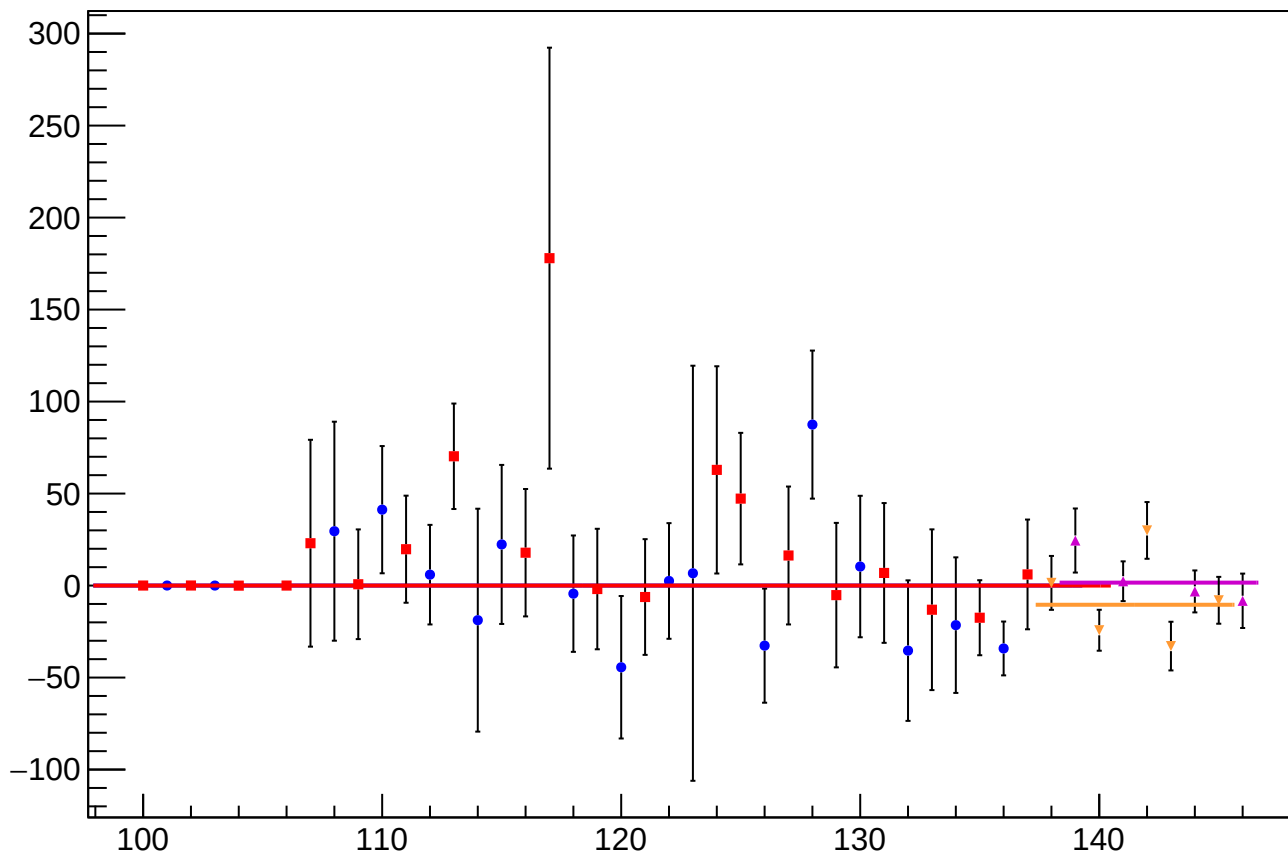
Left In: 1750.217+/-0.768 χ^2/NDF : 1024389.0/3

2085.313+/-0.559 χ^2/NDF : 5670673.6/21

2020.659+/-0.387 χ^2/NDF : 12244503.2/4

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: -10.431+/-5.889 χ^2/NDF :12.0/4

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

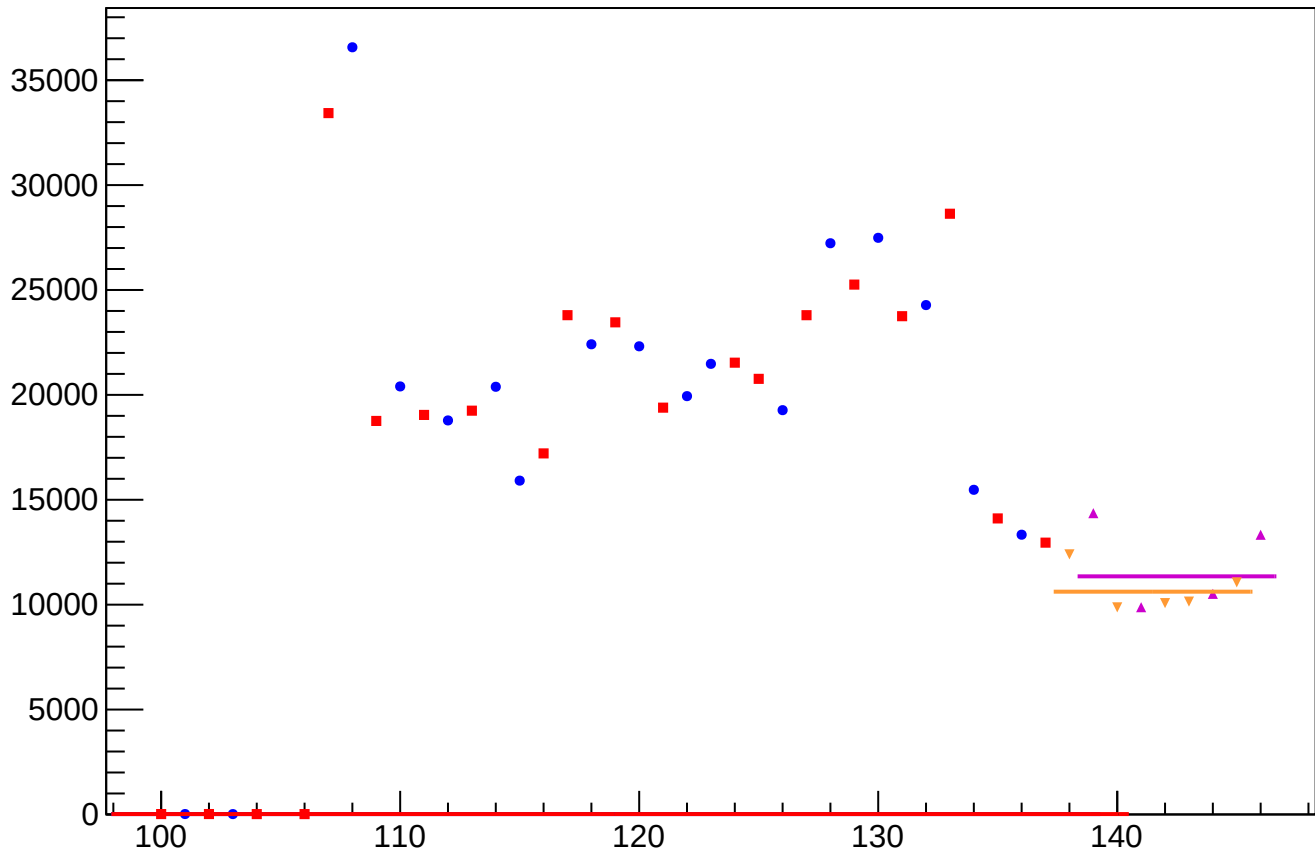
Left In: 1.598+/-6.438 χ^2/NDF :2.4/3

0.013+/-0.017 χ^2/NDF : 31.3/21

0.004+/-0.012 χ^2/NDF : 52.5/45

-0.003+/-0.016 χ^2/NDF : 20.7/23

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.642 ± 0.012 $\chi^2/\text{NDF}: 10984160.5/16$

Left Out: 10619.104 ± 4.164 $\chi^2/\text{NDF}: 46044.6/4$

Right Out: 18.312 ± 0.011 $\chi^2/\text{NDF}: 11197081.8/19$

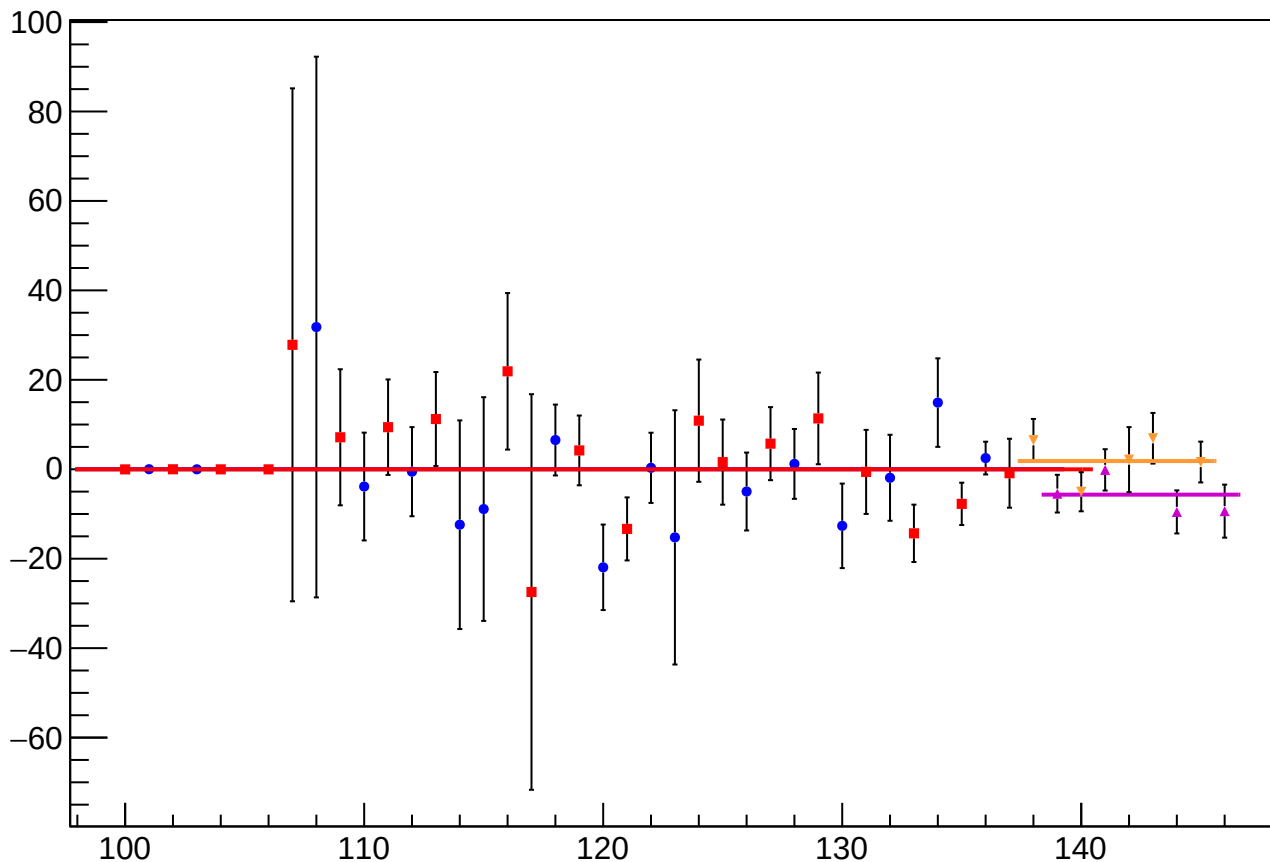
Left In: 11350.045 ± 4.552 $\chi^2/\text{NDF}: 143561.7/3$

18.734 ± 0.012 $\chi^2/\text{NDF}: 17510183.6/21$

18.545 ± 0.008 $\chi^2/\text{NDF}: 35047395.9/45$

18.383 ± 0.011 $\chi^2/\text{NDF}: 17536771.3/23$

diff_cav4bY_mean vs Slug, Sign Corrected



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

Left Out: 1.835 $\pm$ 2.267 χ^2/NDF : 4.2/4

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

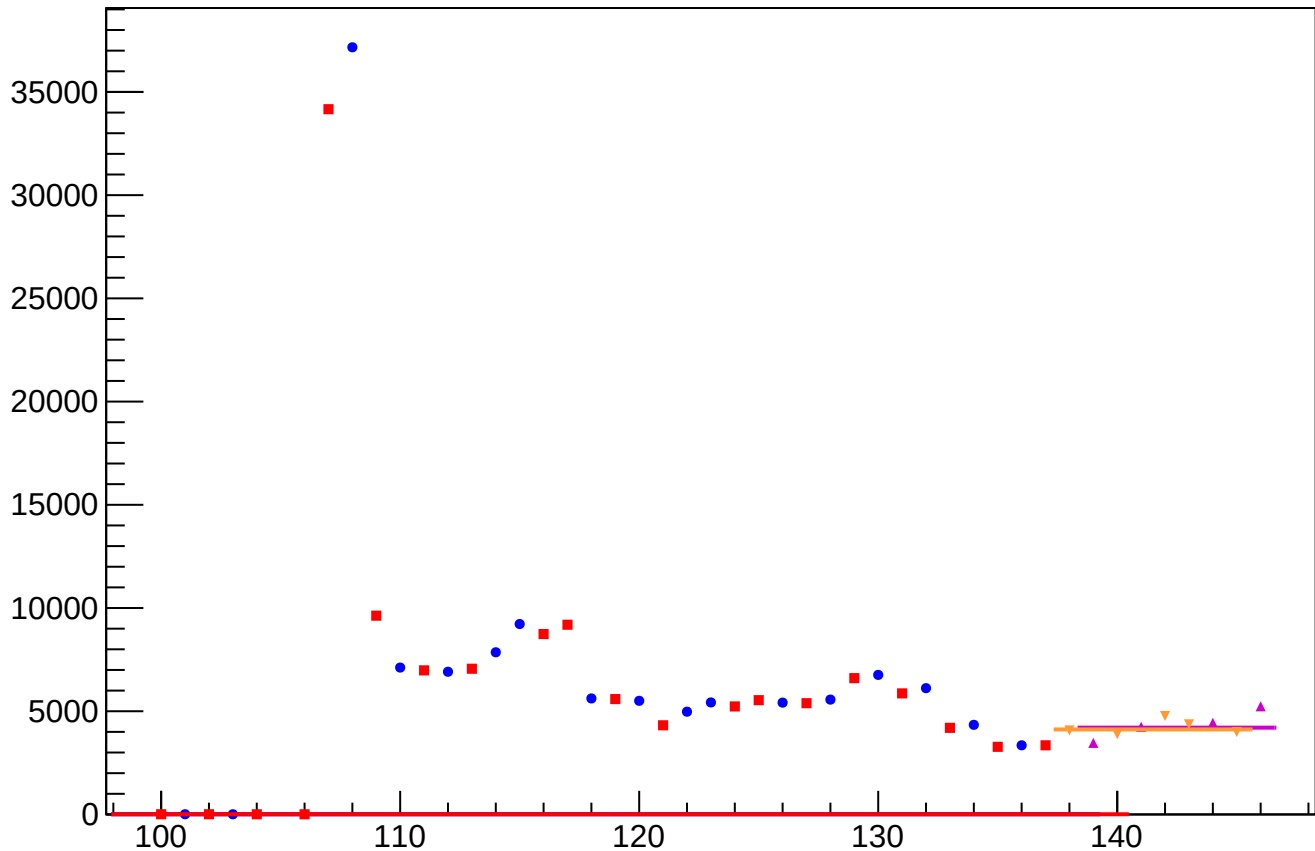
Left In: -5.674 $\pm$ 2.393 χ^2/NDF : 2.5/3

0.001 $\pm$ 0.009 χ^2/NDF : 17.9/21

-0.007 $\pm$ 0.006 χ^2/NDF : 46.4/45

-0.014 $\pm$ 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: 4117.926+/-1.603 χ^2/NDF :27022.2/4

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

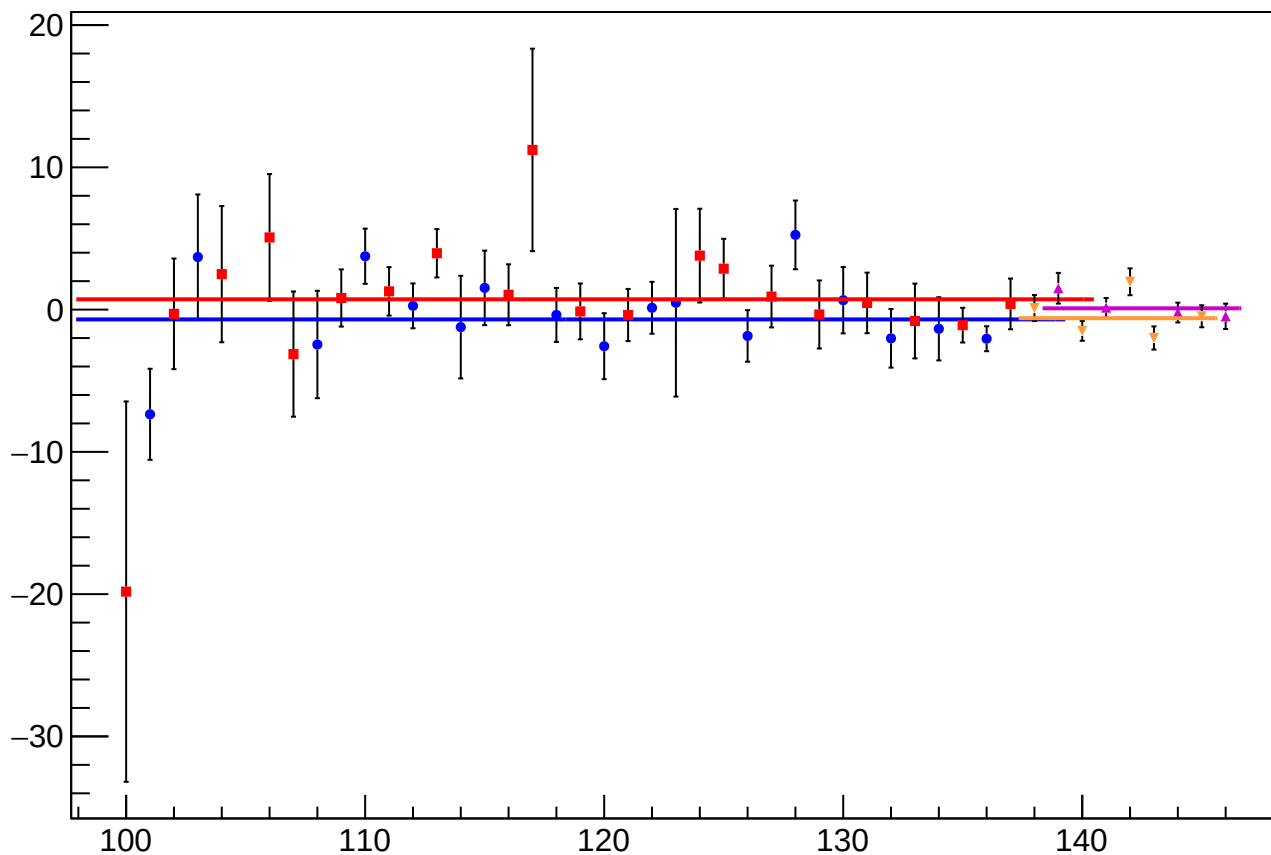
Left In: 4204.737+/-1.692 χ^2/NDF :126904.2/3

10.007+/-0.007 χ^2/NDF : 17706812.4/21

9.955+/-0.004 χ^2/NDF : 35225773.2/45

9.910+/-0.006 χ^2/NDF : 17518842.4/23

diff_cav4cX_mean vs Slug, Sign Corrected



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

Left Out: -0.603 ± 0.363 χ^2/NDF : 12.6/4

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

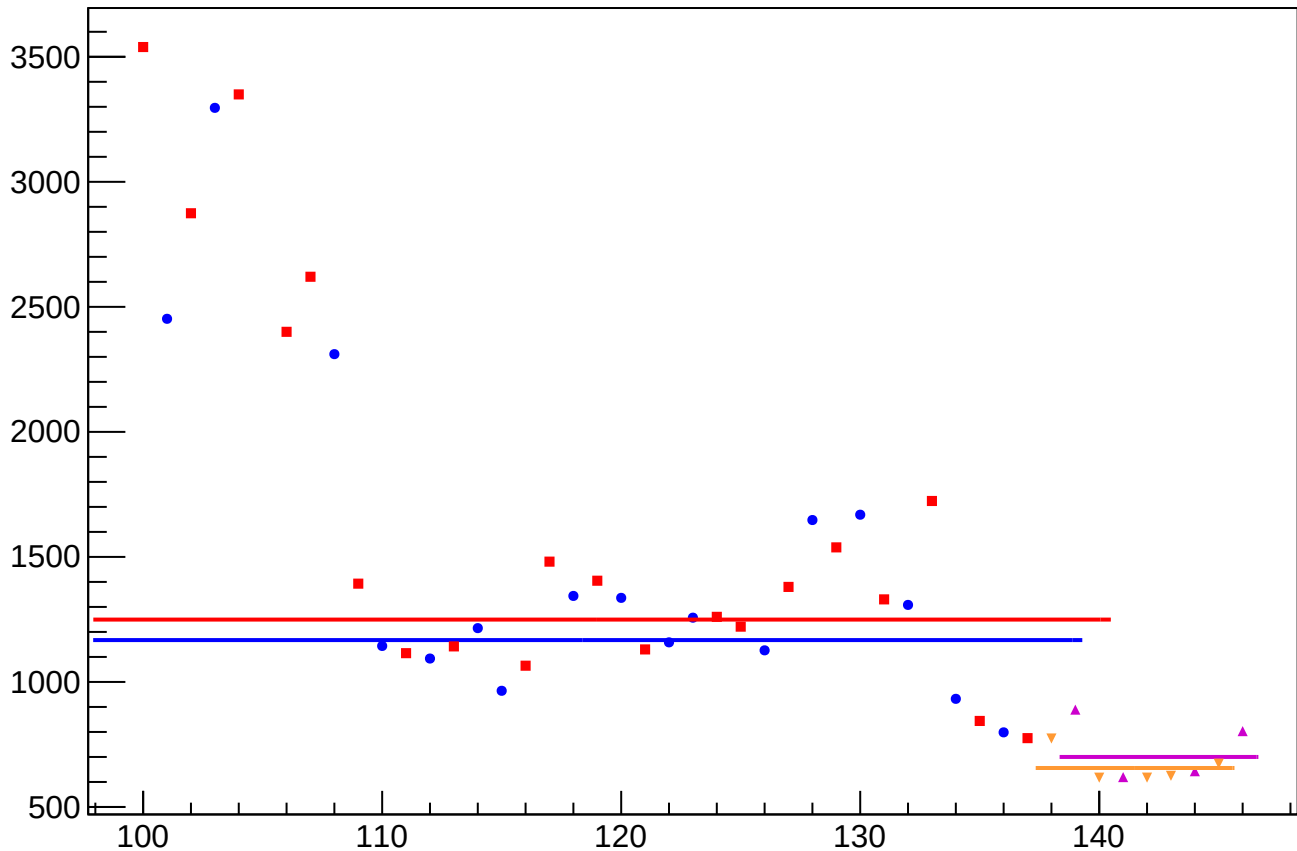
Left In: 0.090 ± 0.396 χ^2/NDF : 2.3/3

-0.634 ± 0.290 χ^2/NDF : 35.1/21

-0.182 ± 0.212 χ^2/NDF : 59.1/45

0.335 ± 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: 655.867 $\pm$ 0.257 χ^2/NDF : 46859.8/4

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

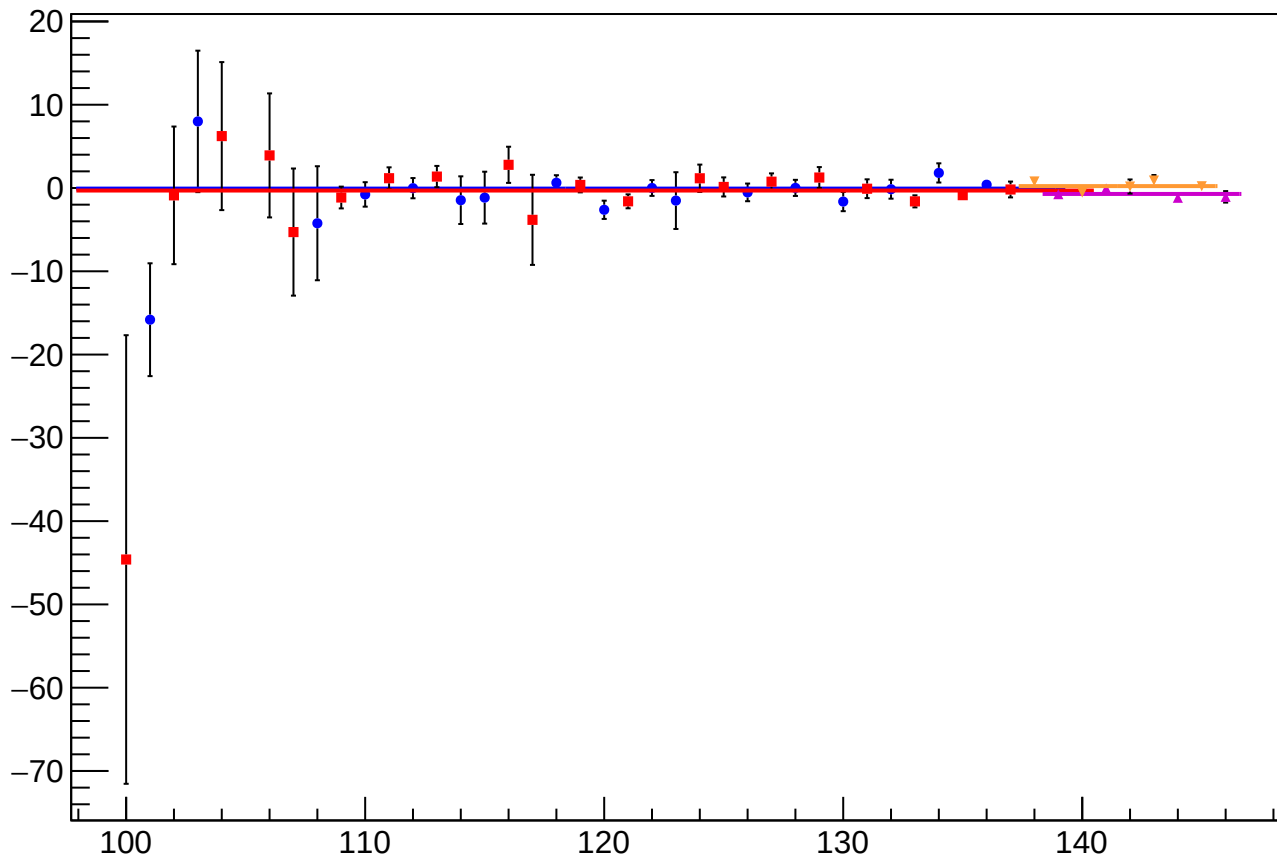
Left In: 700.036 $\pm$ 0.280 χ^2/NDF : 130250.7/3

841.130 $\pm$ 0.205 χ^2/NDF : 3060309.6/21

874.365 $\pm$ 0.150 χ^2/NDF : 6387210.7/45

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

diff_cav4cY_mean vs Slug, Sign Corrected



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

Left Out: 0.229 $\pm$ 0.268 χ^2 /NDF: 4.2/4

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

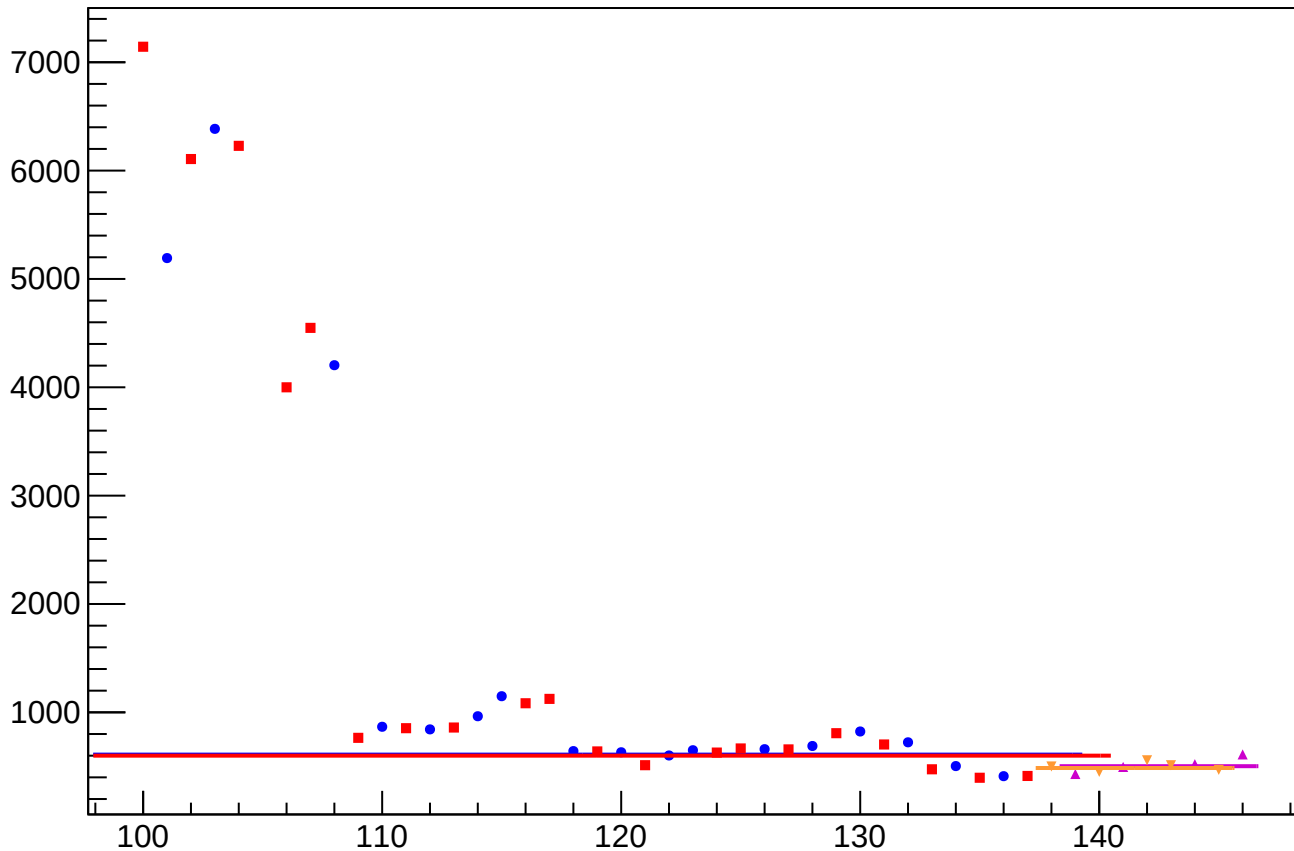
Left In: -0.714 $\pm$ 0.285 χ^2 /NDF: 2.4/3

0.079 $\pm$ 0.190 χ^2 /NDF: 24.1/21

-0.201 $\pm$ 0.135 χ^2 /NDF: 52.7/45

-0.492 $\pm$ 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: 486.245 $\pm$ 0.189 χ^2 /NDF: 30109.7/4

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

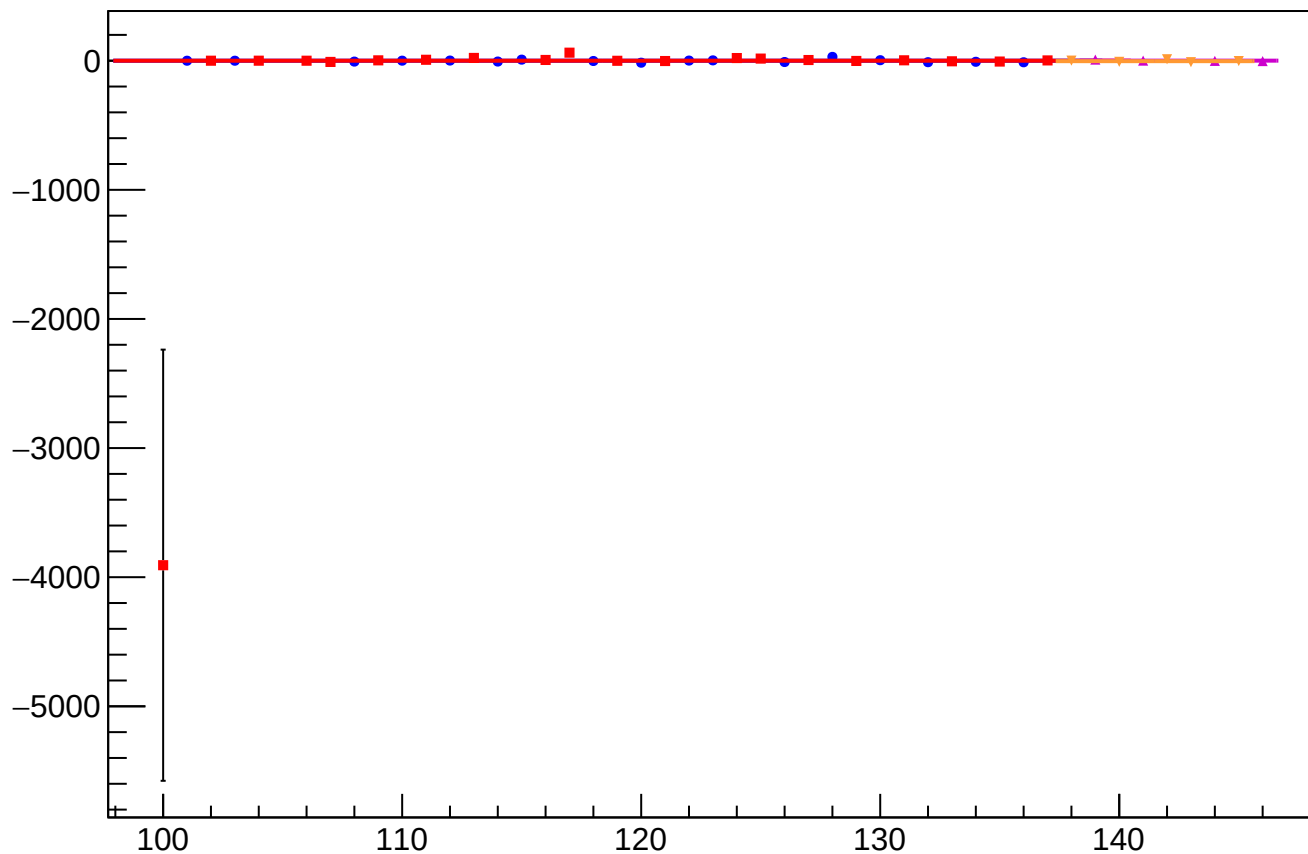
Left In: 503.063 $\pm$ 0.202 χ^2 /NDF: 89597.9/3

547.799 $\pm$ 0.134 χ^2 /NDF: 3378375.2/21

551.573 $\pm$ 0.096 χ^2 /NDF: 7166001.7/45

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

diff_cav4dX_mean vs Slug, Sign Corrected



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

Left Out: -3.462+/-2.098 χ^2 /NDF:12.6/4

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

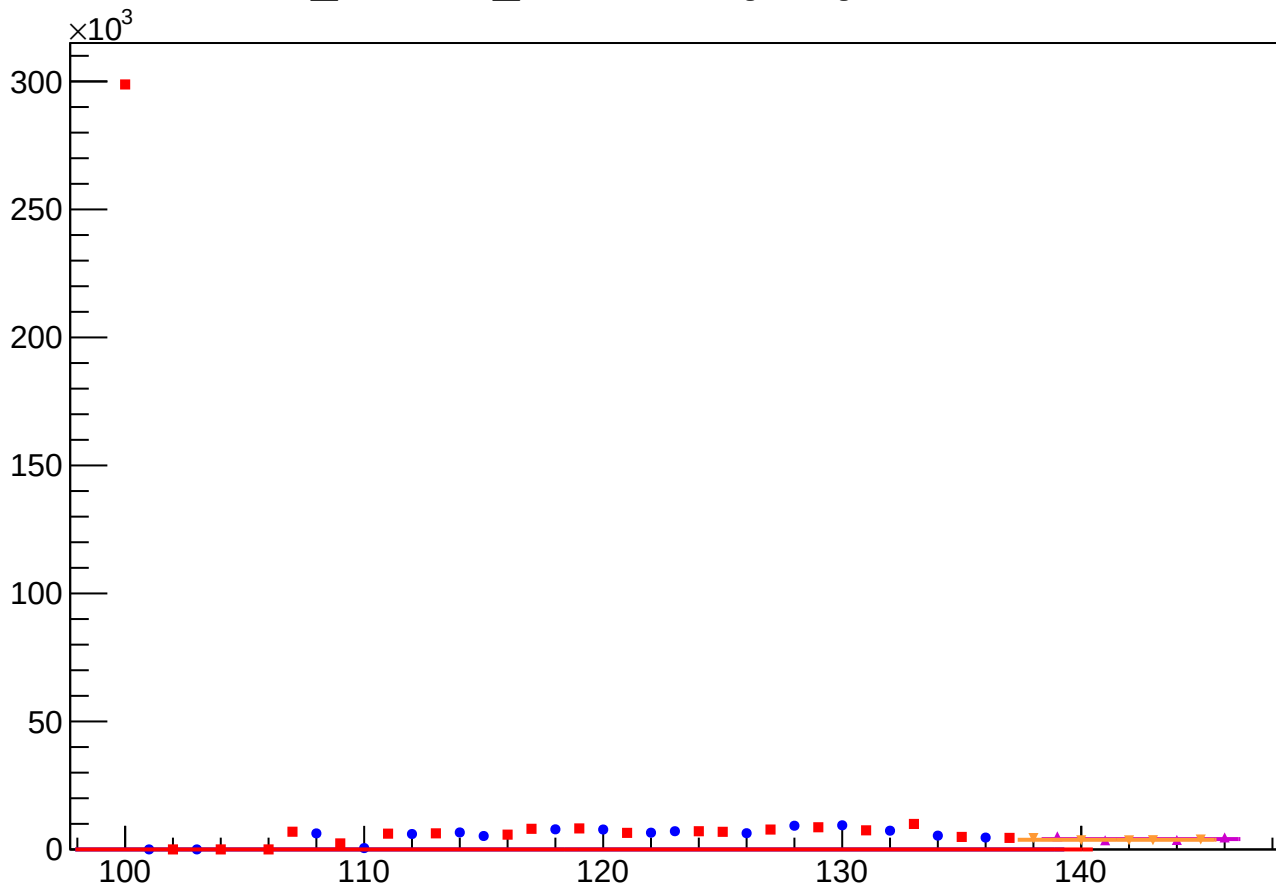
Left In: 0.480+/-2.297 χ^2 /NDF:2.3/3

-0.022+/-0.021 χ^2 /NDF: 30.9/21

0.004+/-0.014 χ^2 /NDF: 56.6/45

0.027+/-0.020 χ^2 /NDF: 22.9/23

diff_cav4dX_rms vs Slug, Sign Corrected



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

Left Out: 3785.104+/-1.483 χ^2/NDF : 44623.6/4

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

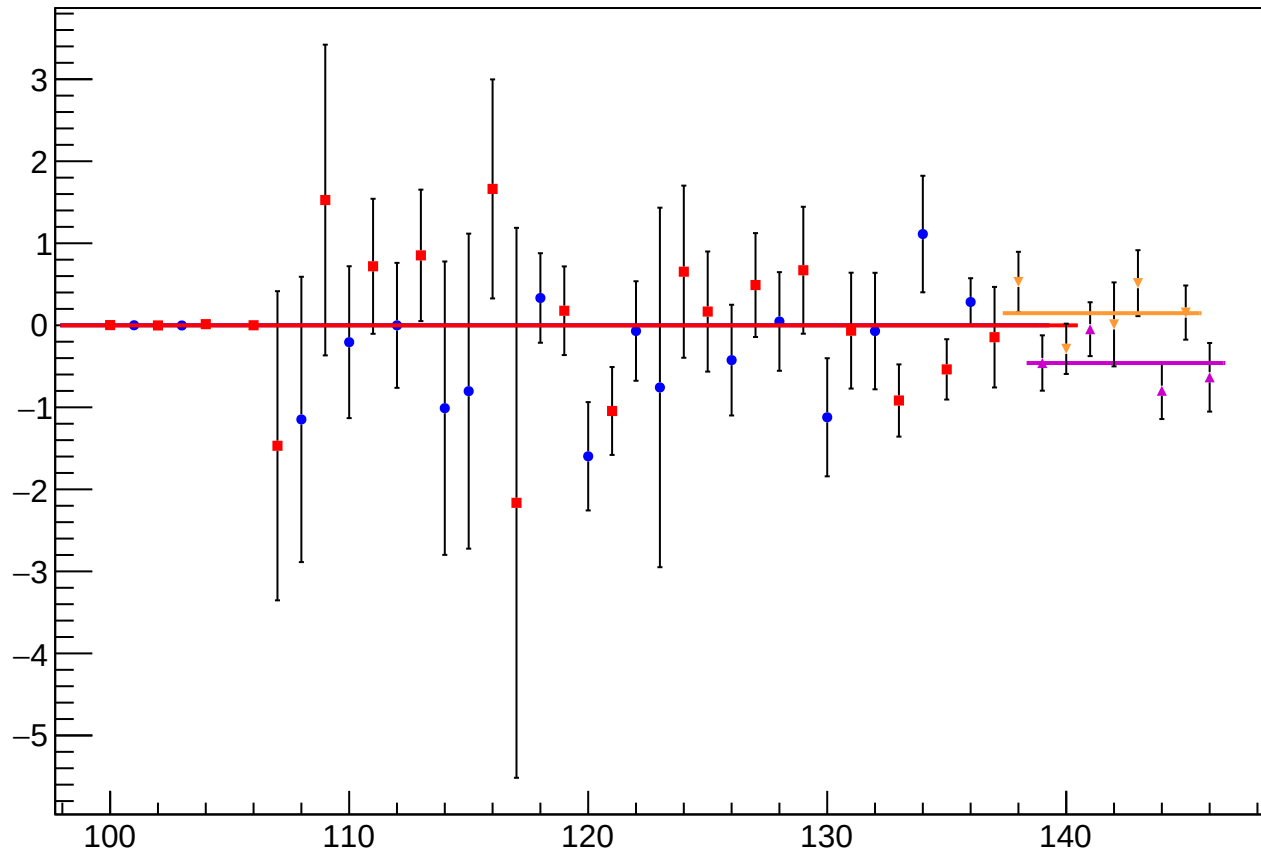
Left In: 4054.425+/-1.624 χ^2/NDF : 132179.9/3

17.711+/-0.015 χ^2/NDF : 16997480.1/21

17.637+/-0.010 χ^2/NDF : 34215235.8/45

17.570+/-0.014 χ^2/NDF : 17217707.6/23

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.002 χ^2/NDF : 13.8/16

Left Out: 0.148 ± 0.164 χ^2/NDF : 4.0/4

Right Out: -0.001 ± 0.002 χ^2/NDF : 18.3/19

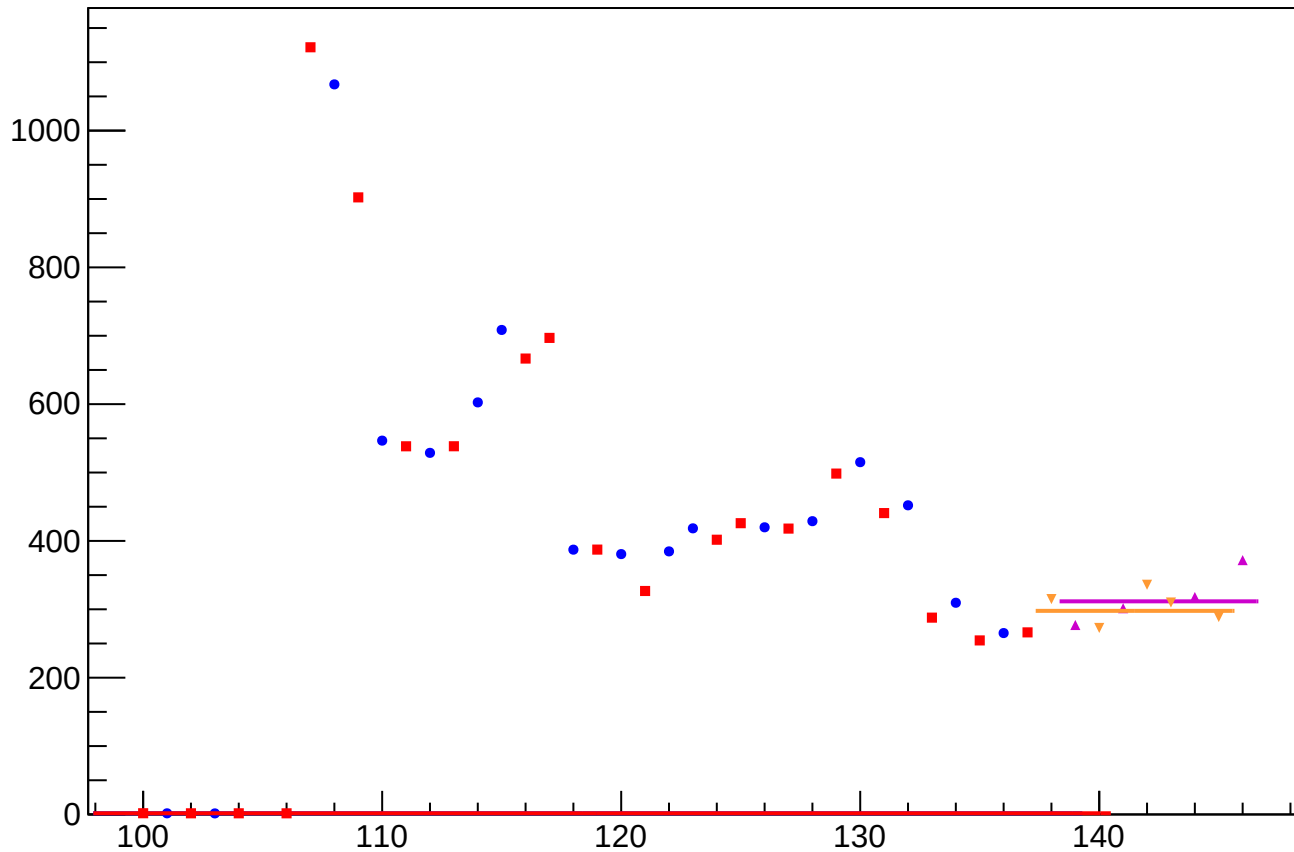
Left In: -0.460 ± 0.176 χ^2/NDF : 2.7/3

0.000 ± 0.002 χ^2/NDF : 18.5/21

-0.000 ± 0.001 χ^2/NDF : 46.5/45

-0.001 ± 0.002 χ^2/NDF : 27.8/23

diff_cav4dY_rms vs Slug, Sign Corrected



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

Left Out: 297.723 $\pm$ 0.116 χ^2/NDF : 32127.2/4

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

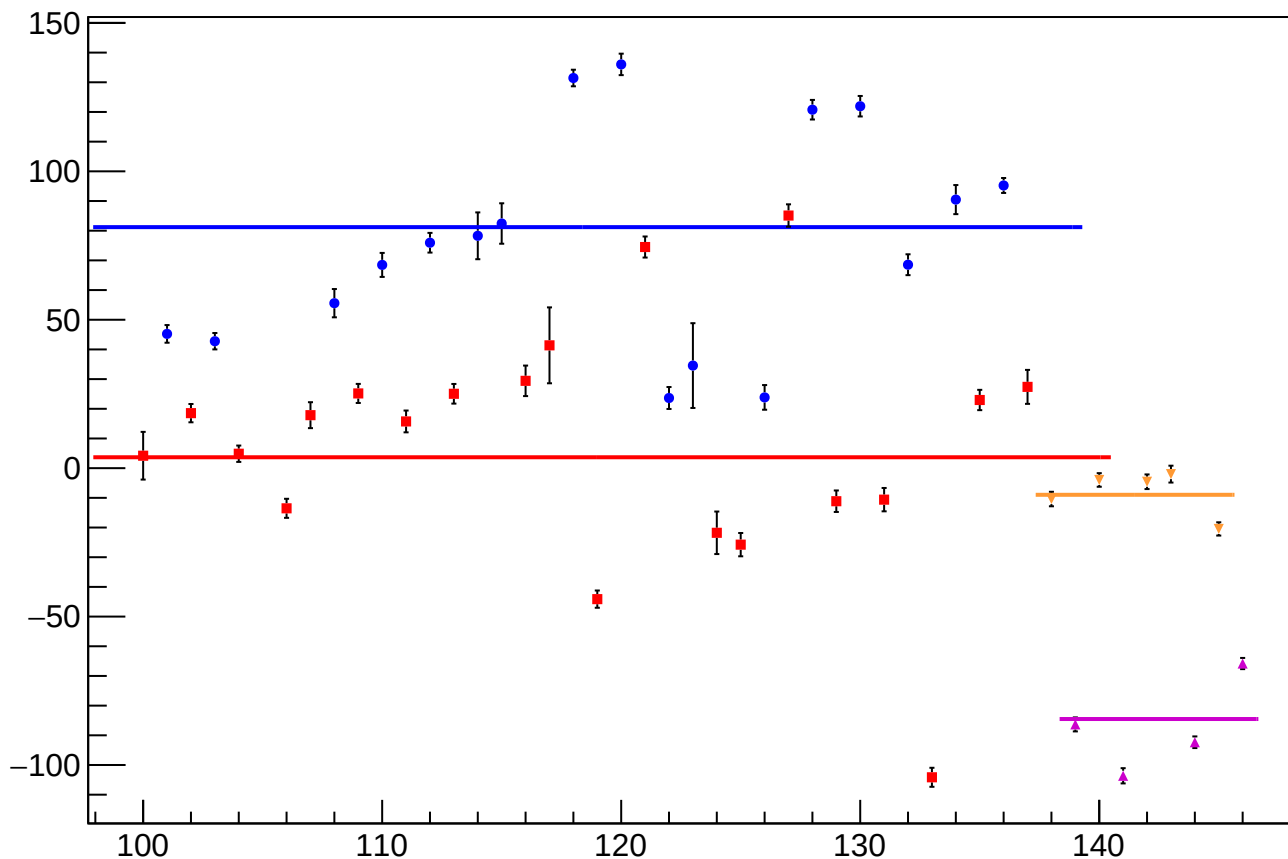
Left In: 311.640 $\pm$ 0.125 χ^2/NDF : 65070.1/3

1.744 $\pm$ 0.001 χ^2/NDF : 17604312.0/21

1.756 $\pm$ 0.001 χ^2/NDF : 34678228.2/45

1.766 $\pm$ 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: -8.974 $\pm$ 1.087 χ^2 /NDF:40.8/4

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

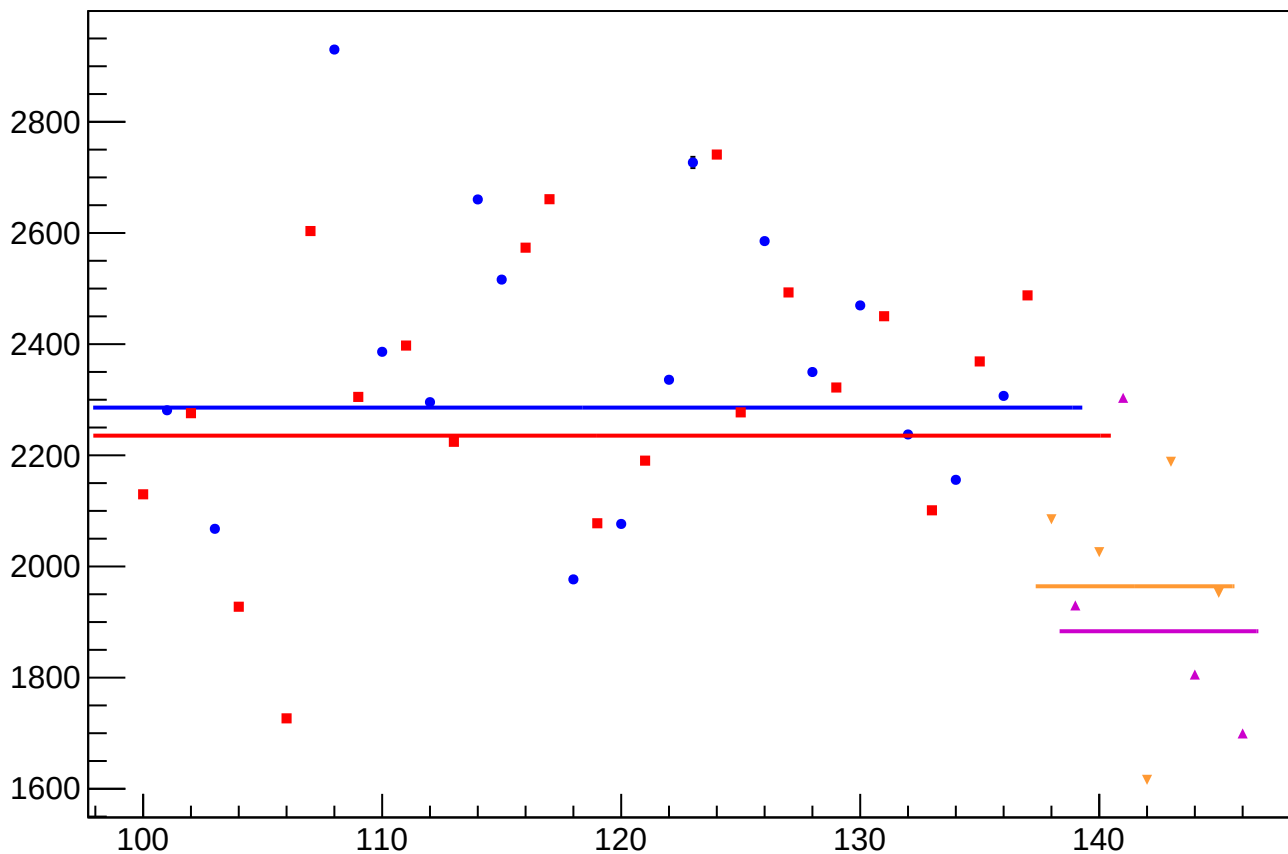
Left In: -84.509 $\pm$ 1.071 χ^2 /NDF:170.2/3

45.204 $\pm$ 0.687 χ^2 /NDF: 5888.5/21

6.208 $\pm$ 0.476 χ^2 /NDF: 19082.7/45

-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: 1964.360 ± 0.768 χ^2/NDF : 58736.4/4

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

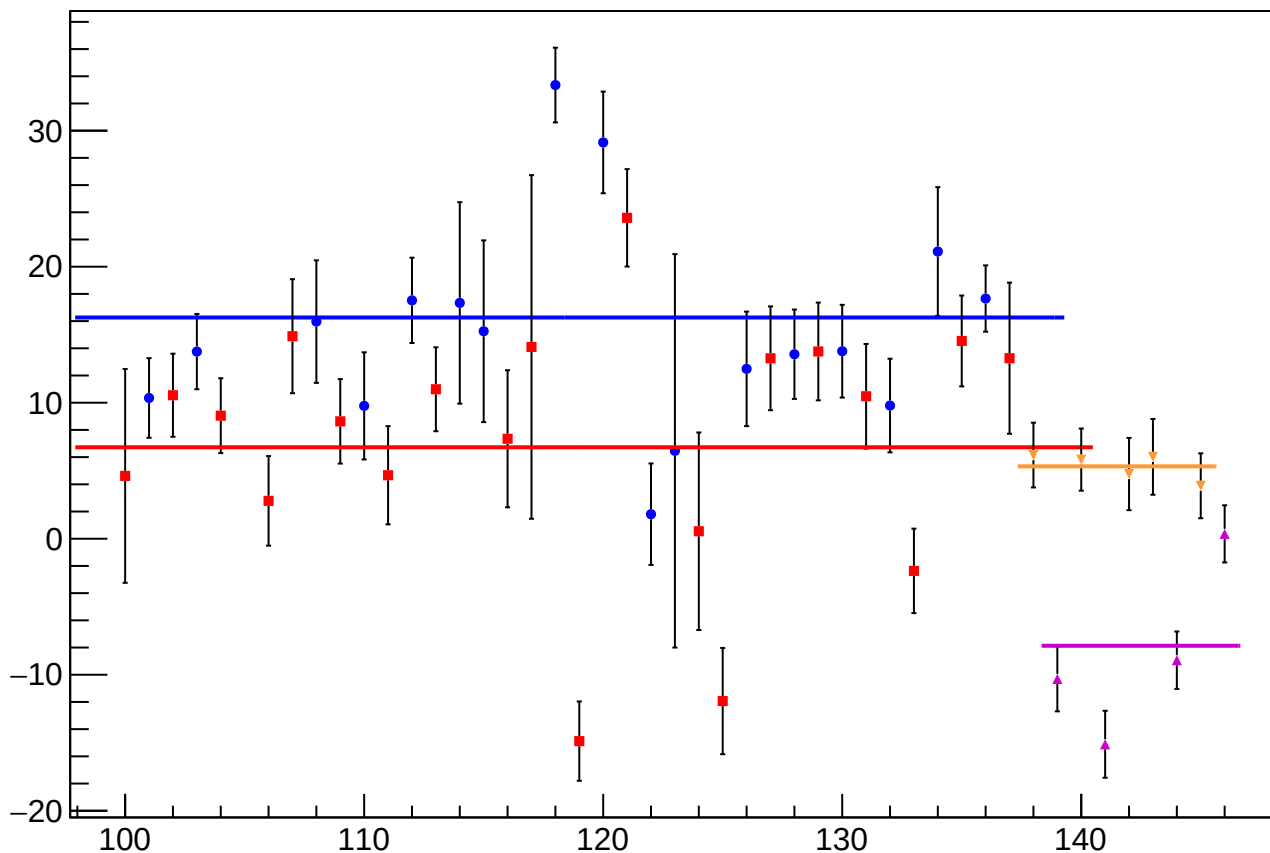
Left In: 1883.469 ± 0.757 χ^2/NDF : 76410.9/3

2157.517 ± 0.485 χ^2/NDF : 273268.5/21

2128.277 ± 0.337 χ^2/NDF : 639430.9/45

2101.154 ± 0.468 χ^2/NDF : 359168.8/23

diff_bpm0i01Y_mean vs Slug, Sign Corrected



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

Left Out: 5.322 $\pm$ 1.108 χ^2/NDF : 0.6/4

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

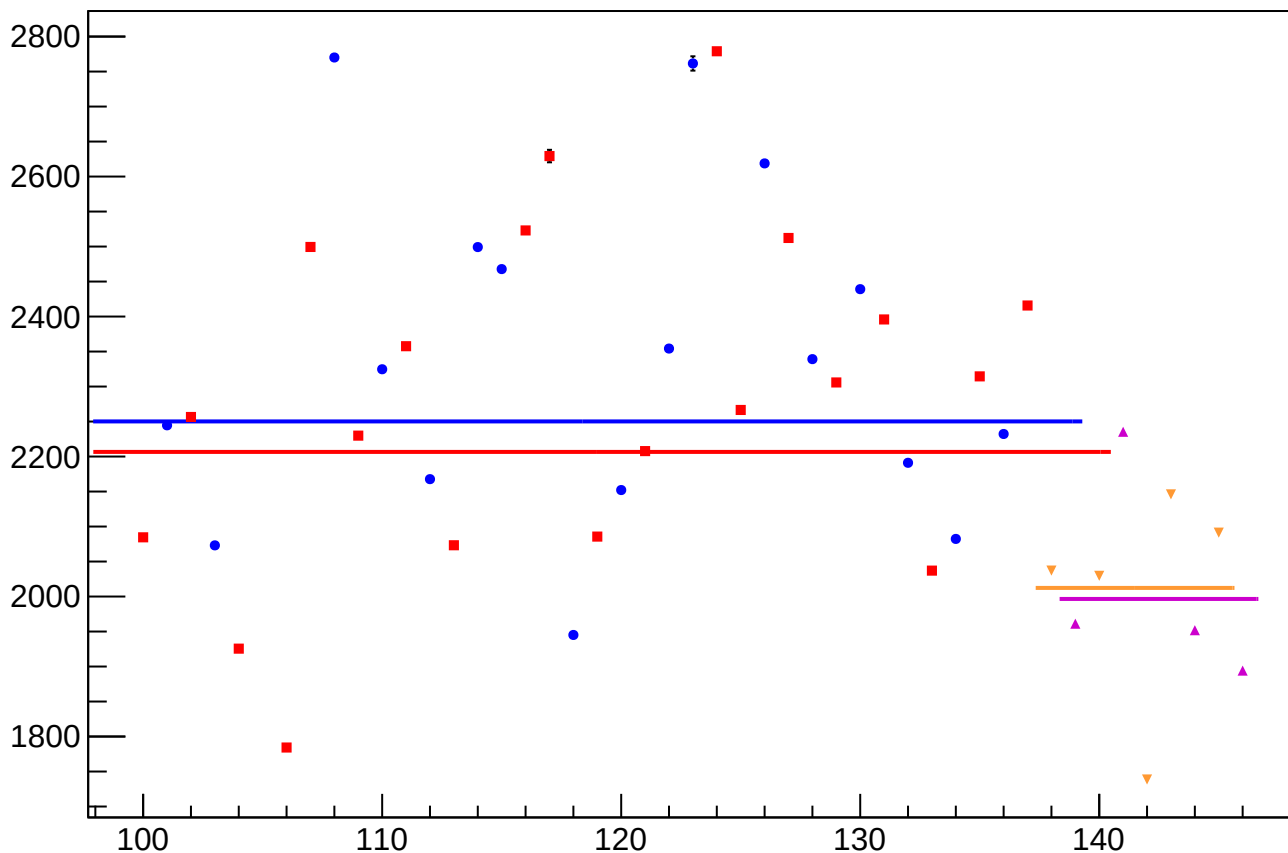
Left In: -7.869 $\pm$ 1.124 χ^2/NDF : 25.3/3

12.083 $\pm$ 0.685 χ^2/NDF : 141.7/21

6.694 $\pm$ 0.478 χ^2/NDF : 531.0/45

1.582 $\pm$ 0.667 χ^2/NDF : 268.7/23

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2250.175 +/- 0.616 χ^2/NDF : 97578.1/16

Left Out: 2012.318 +/- 0.783 χ^2/NDF : 28366.7/4

Right Out: 2206.617 +/- 0.586 χ^2/NDF : 128476.5/19

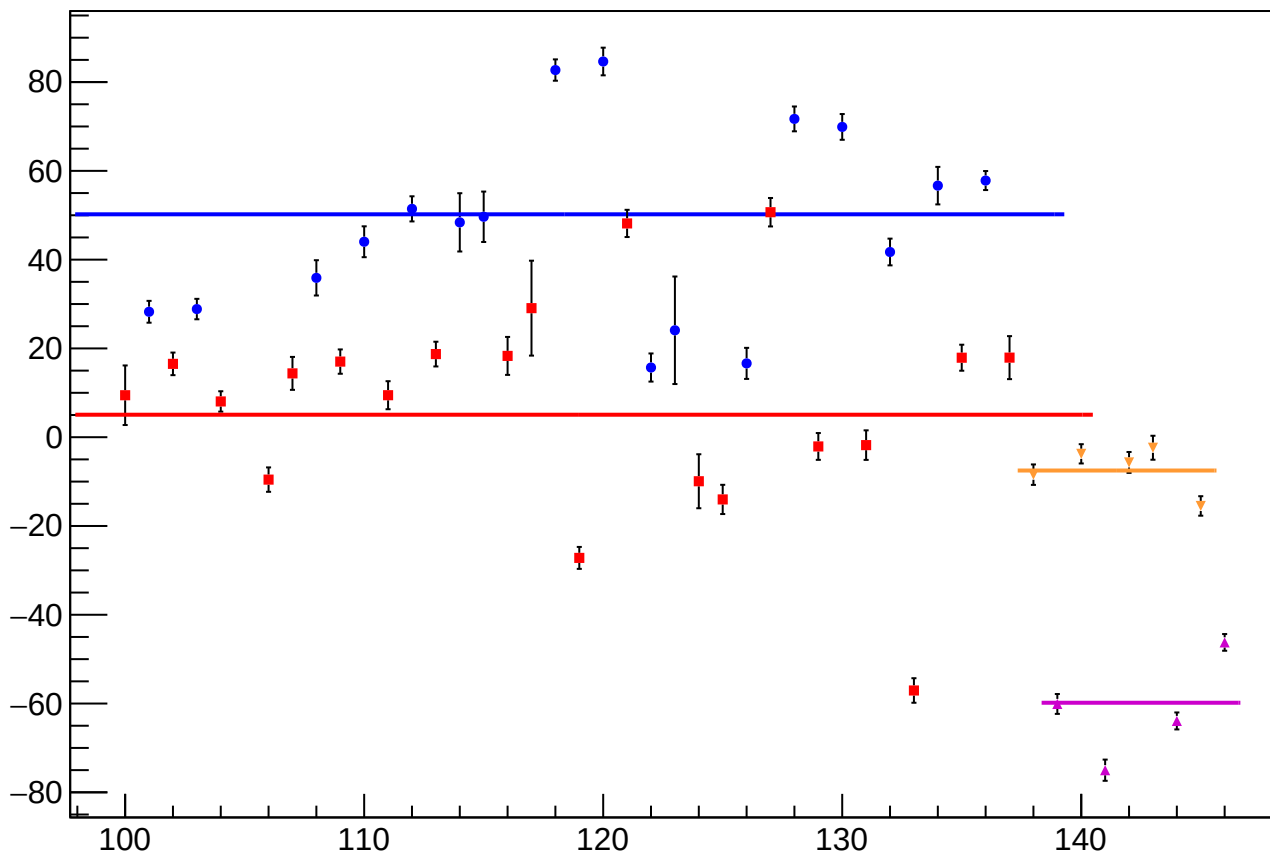
Left In: 1996.557 +/- 0.795 χ^2/NDF : 24904.1/3

2159.266 +/- 0.484 χ^2/NDF : 182883.8/21

2145.587 +/- 0.338 χ^2/NDF : 383063.0/45

2132.612 +/- 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: -7.505+/-1.039 χ^2/NDF : 20.6/4

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

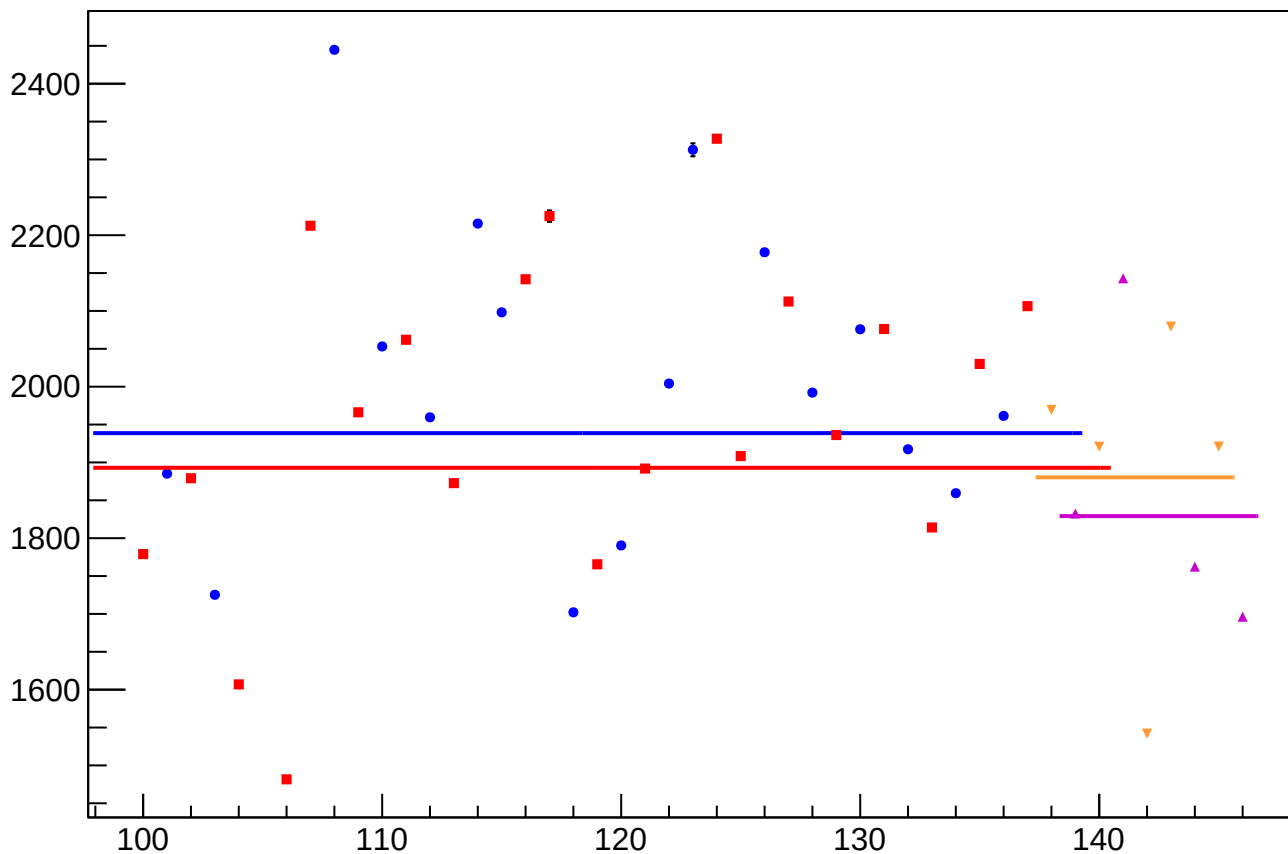
Left In: -59.823+/-1.036 χ^2/NDF : 97.3/3

30.421+/-0.609 χ^2/NDF : 2877.8/21

6.499+/-0.422 χ^2/NDF : 9887.9/45

-15.737+/-0.587 χ^2/NDF : 4028.8/23

diff_bpm0i01aX_rms vs Slug, Sign Corrected



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

Left Out: 1880.319 +/- 0.735 χ^2/NDF : 56587.2/4

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

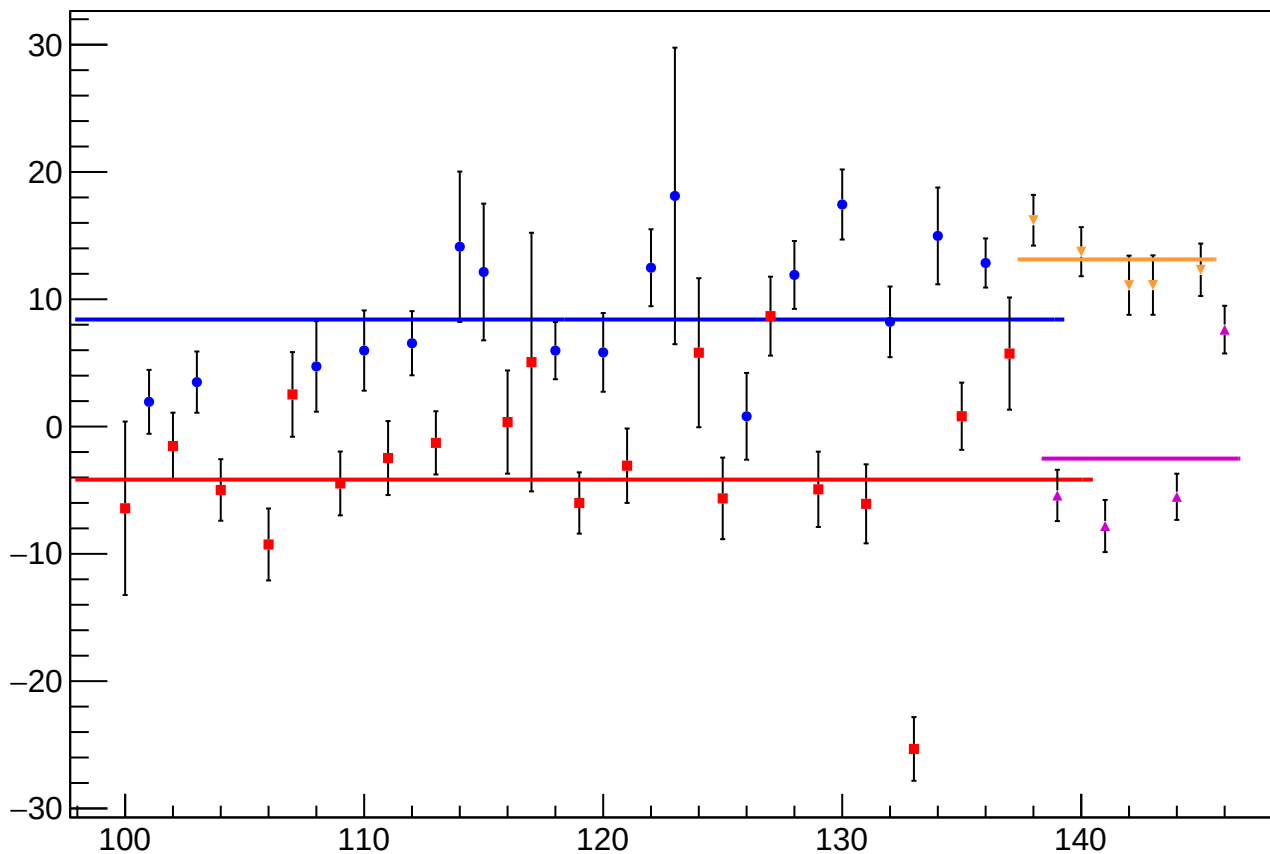
Left In: 1829.138 +/- 0.733 χ^2/NDF : 46972.7/3

1918.671 +/- 0.430 χ^2/NDF : 160875.9/21

1894.737 +/- 0.299 χ^2/NDF : 367532.1/45

1872.491 +/- 0.415 χ^2/NDF : 200687.7/23

diff_bpm0i01aY_mean vs Slug, Sign Corrected



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

Left Out: 13.133 ± 0.943 $\chi^2/\text{NDF}: 4.2/4$

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

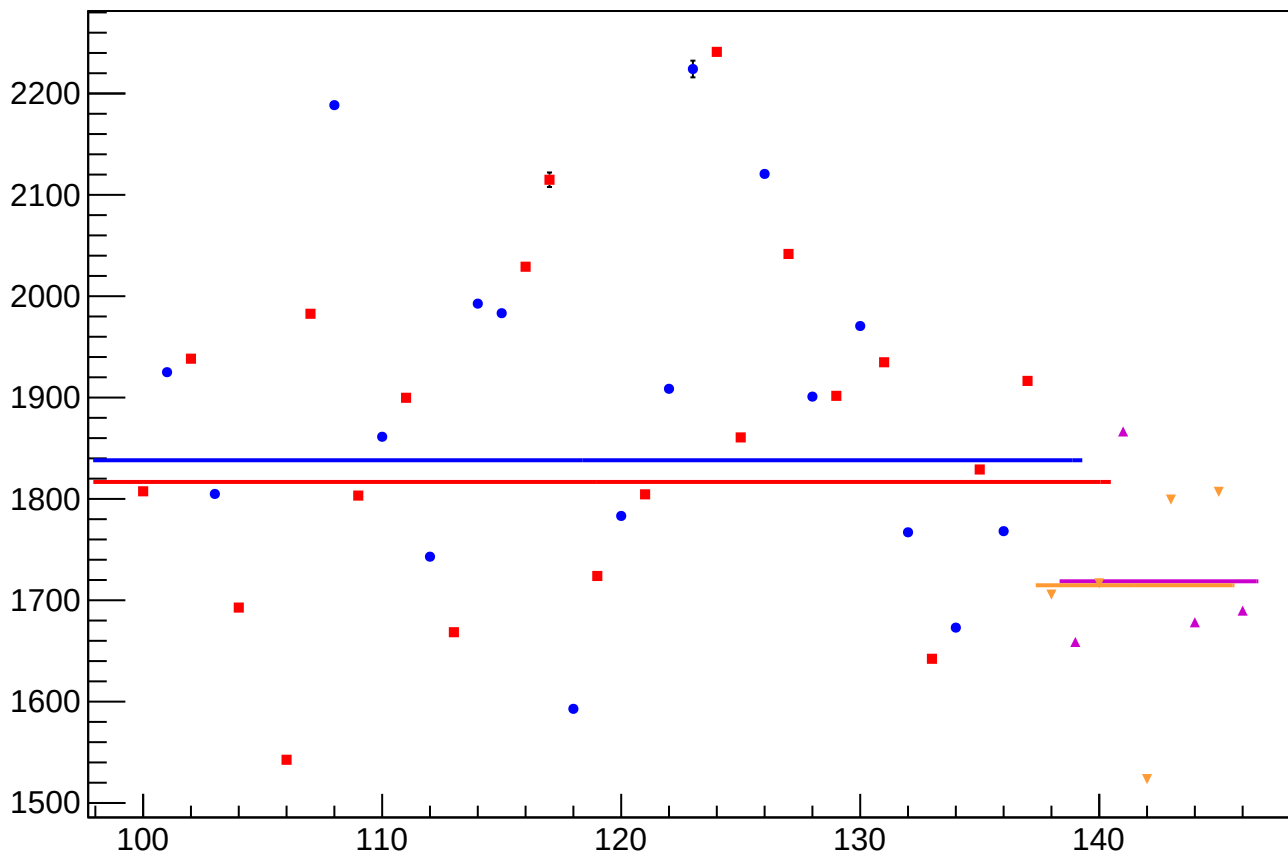
Left In: -2.517 ± 0.965 $\chi^2/\text{NDF}: 40.8/3$

10.124 ± 0.568 $\chi^2/\text{NDF}: 64.7/21$

3.113 ± 0.397 $\chi^2/\text{NDF}: 520.2/45$

-3.618 ± 0.556 $\chi^2/\text{NDF}: 156.6/23$

diff_bpm0i01aY_rms vs Slug, Sign Corrected



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

Left Out: 1714.805 $\pm$ 0.667 χ^2/NDF : 20220.7/4

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

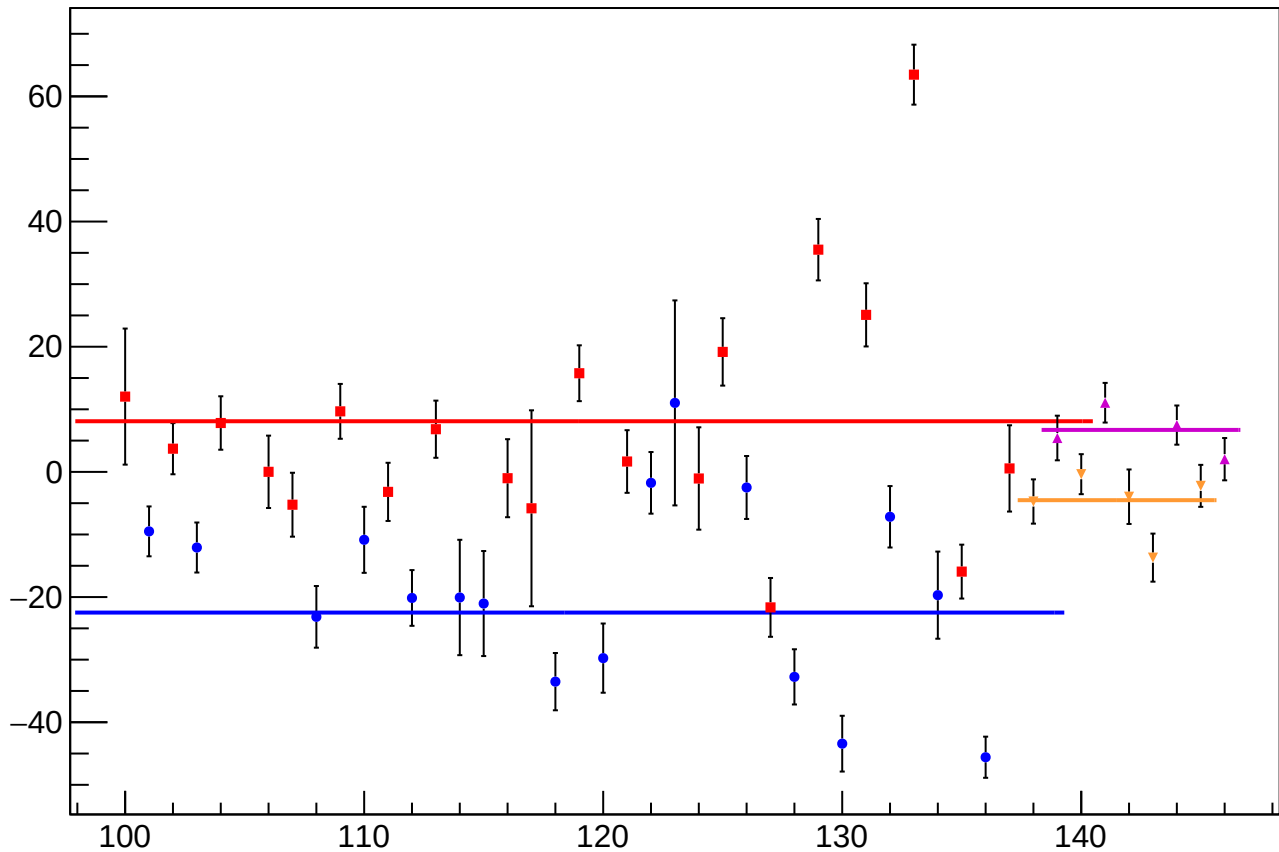
Left In: 1718.729 $\pm$ 0.682 χ^2/NDF : 13668.9/3

1793.408 $\pm$ 0.401 χ^2/NDF : 124914.8/21

1788.695 $\pm$ 0.281 χ^2/NDF : 241780.5/45

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: -4.520 $\pm$ 1.607 χ^2/NDF : 7.9/4

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

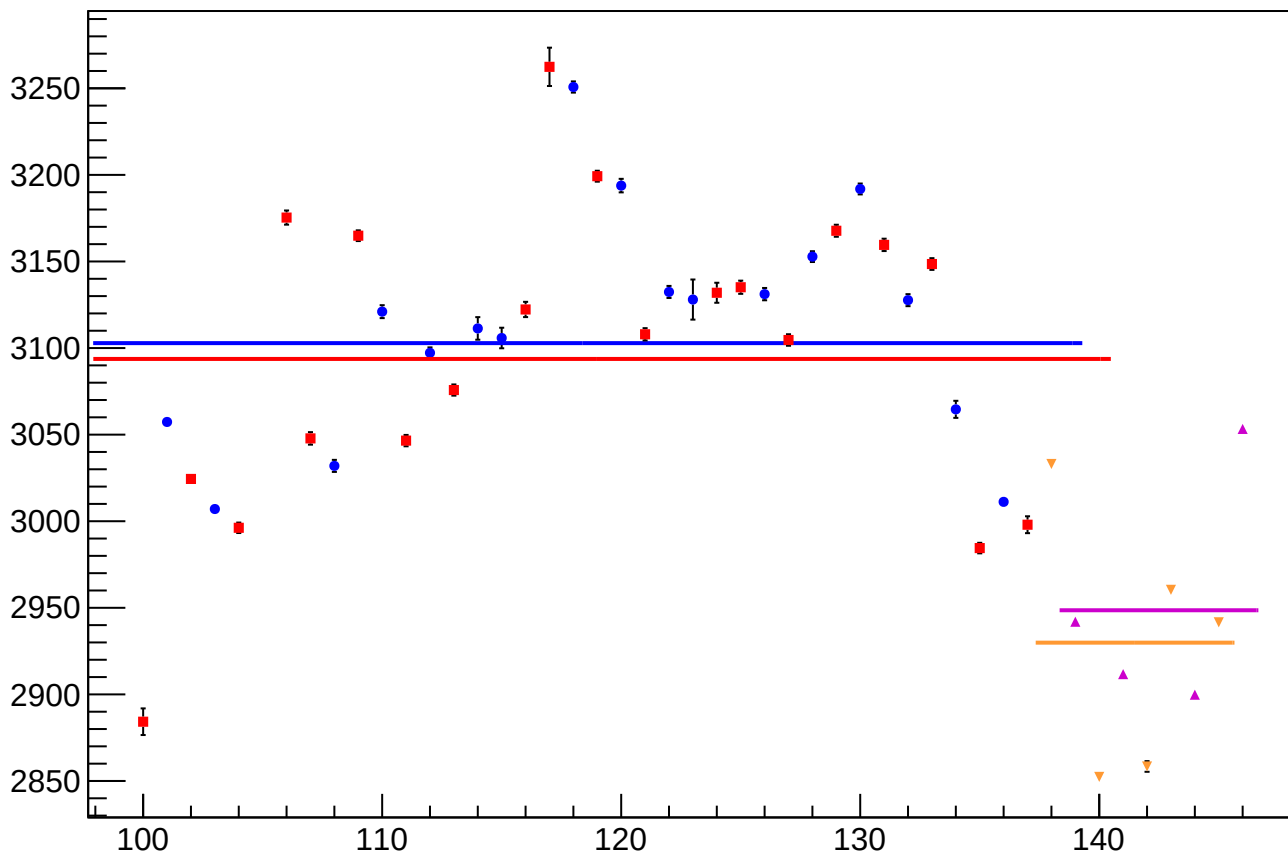
Left In: 6.709 $\pm$ 1.649 χ^2/NDF : 4.0/3

-16.084 $\pm$ 0.959 χ^2/NDF : 243.1/21

-4.052 $\pm$ 0.673 χ^2/NDF : 835.7/45

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: 2929.881 $\pm$ 1.136 χ^2/NDF : 3568.8/4

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

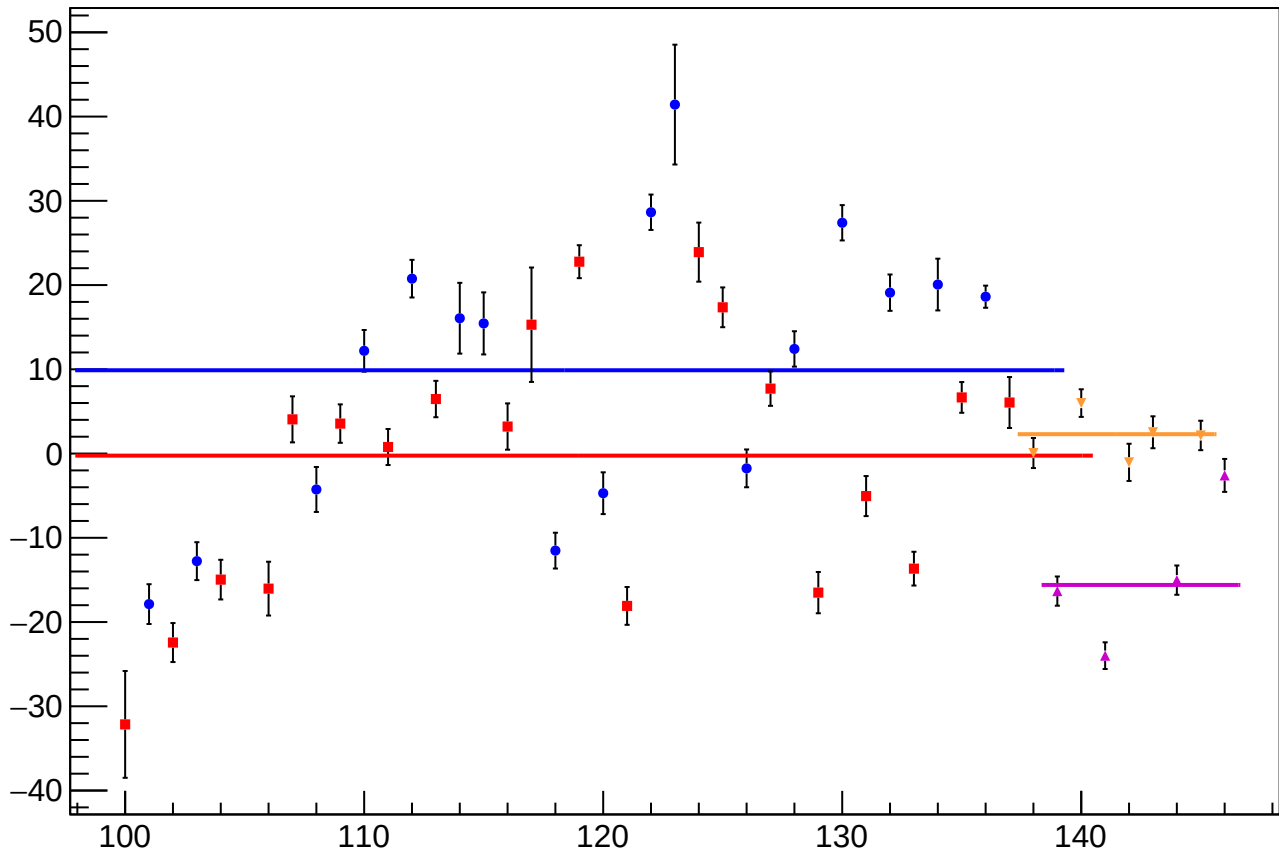
Left In: 2948.585 $\pm$ 1.166 χ^2/NDF : 2684.0/3

3041.263 $\pm$ 0.678 χ^2/NDF : 25838.5/21

3043.679 $\pm$ 0.476 χ^2/NDF : 46949.8/45

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

diff_bpm0l01Y_mean vs Slug, Sign Corrected



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

Left Out: 2.298 $\pm$ 0.817 χ^2/NDF : 9.0/4

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

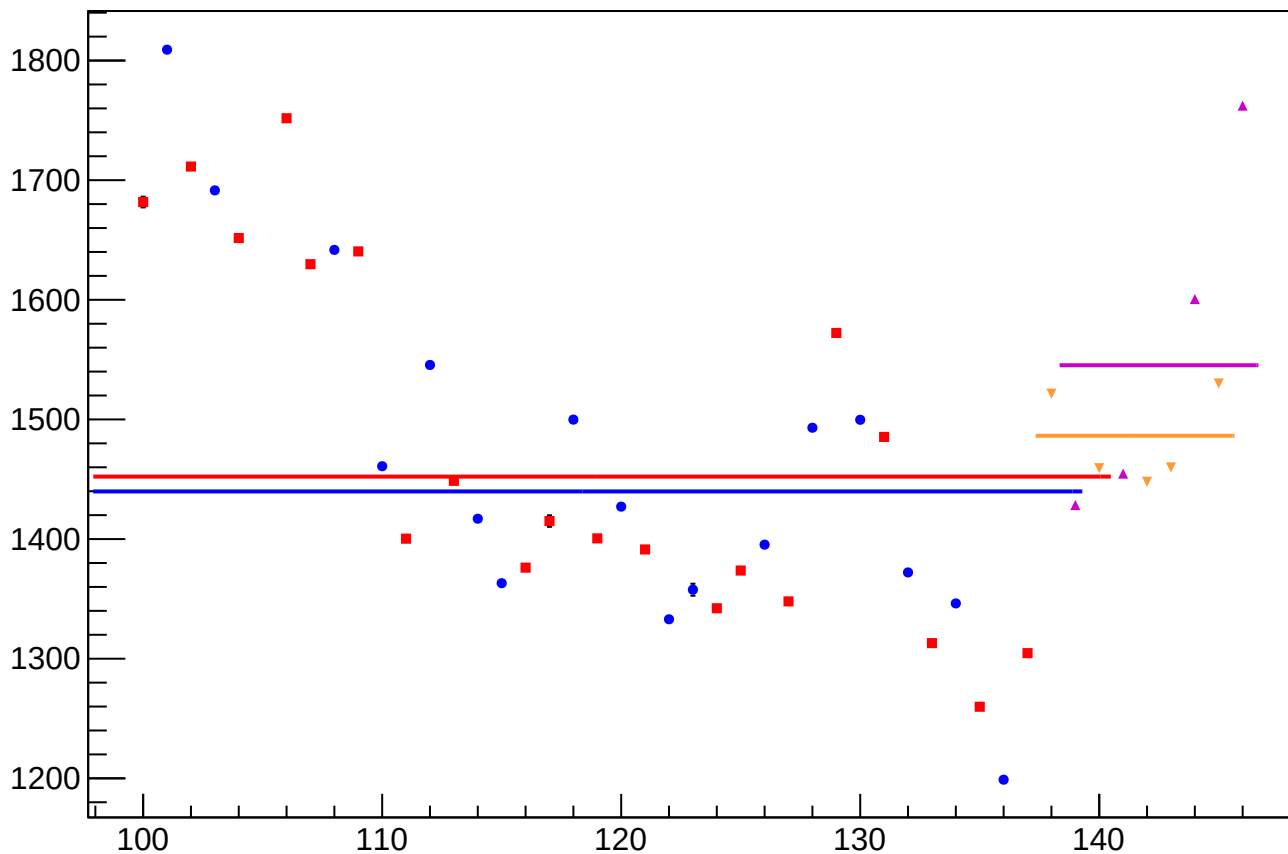
Left In: -15.597 $\pm$ 0.869 χ^2/NDF : 72.5/3

7.465 $\pm$ 0.462 χ^2/NDF : 771.3/21

1.445 $\pm$ 0.326 χ^2/NDF : 2042.1/45

-4.579 $\pm$ 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: 1486.364 $\pm$ 0.578 χ^2/NDF : 3576.3/4

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

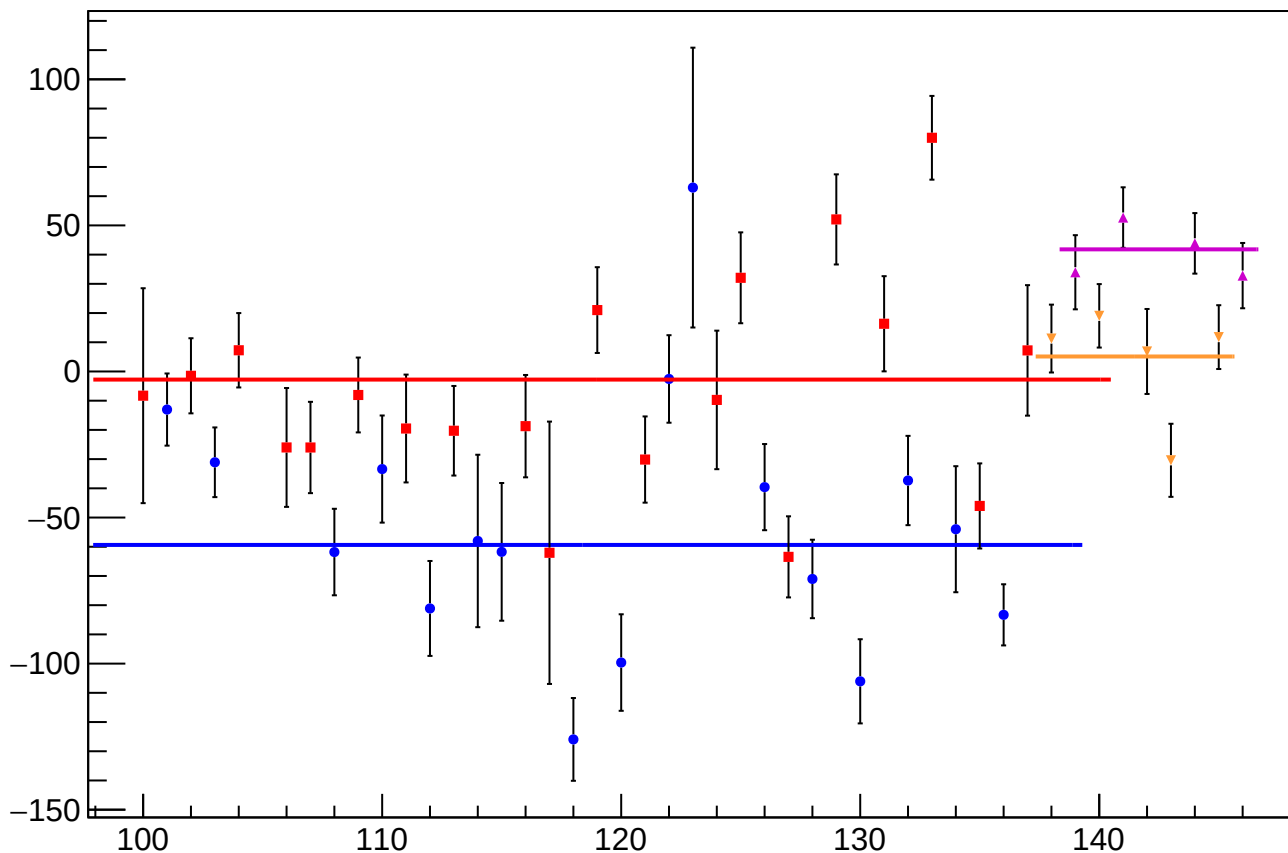
Left In: 1545.315 $\pm$ 0.615 χ^2/NDF : 42267.0/3

1454.682 $\pm$ 0.326 χ^2/NDF : 180817.4/21

1466.583 $\pm$ 0.231 χ^2/NDF : 380792.8/45

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

diff_bpm0l02X_mean vs Slug, Sign Corrected



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

Left Out: 5.130 ± 5.315 χ^2/NDF : 10.4/4

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

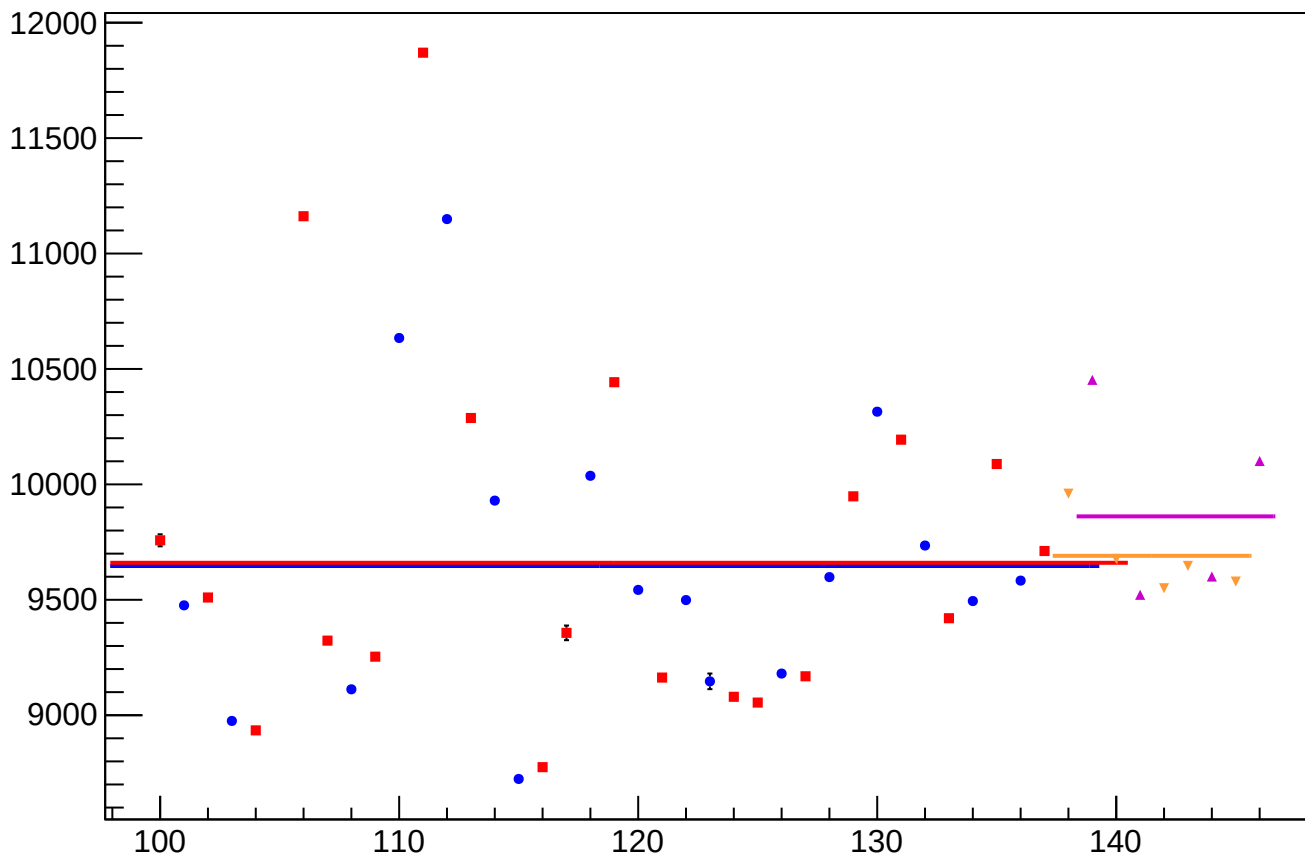
Left In: 41.799 ± 5.518 χ^2/NDF : 2.2/3

-38.100 ± 3.053 χ^2/NDF : 202.0/21

-13.521 ± 2.149 χ^2/NDF : 474.0/45

10.625 ± 3.026 χ^2/NDF : 143.5/23

diff_bpm0l02X_rms vs Slug, Sign Corrected



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

Left Out: 9690.553+/-3.759 χ^2/NDF : 1498.1/4

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

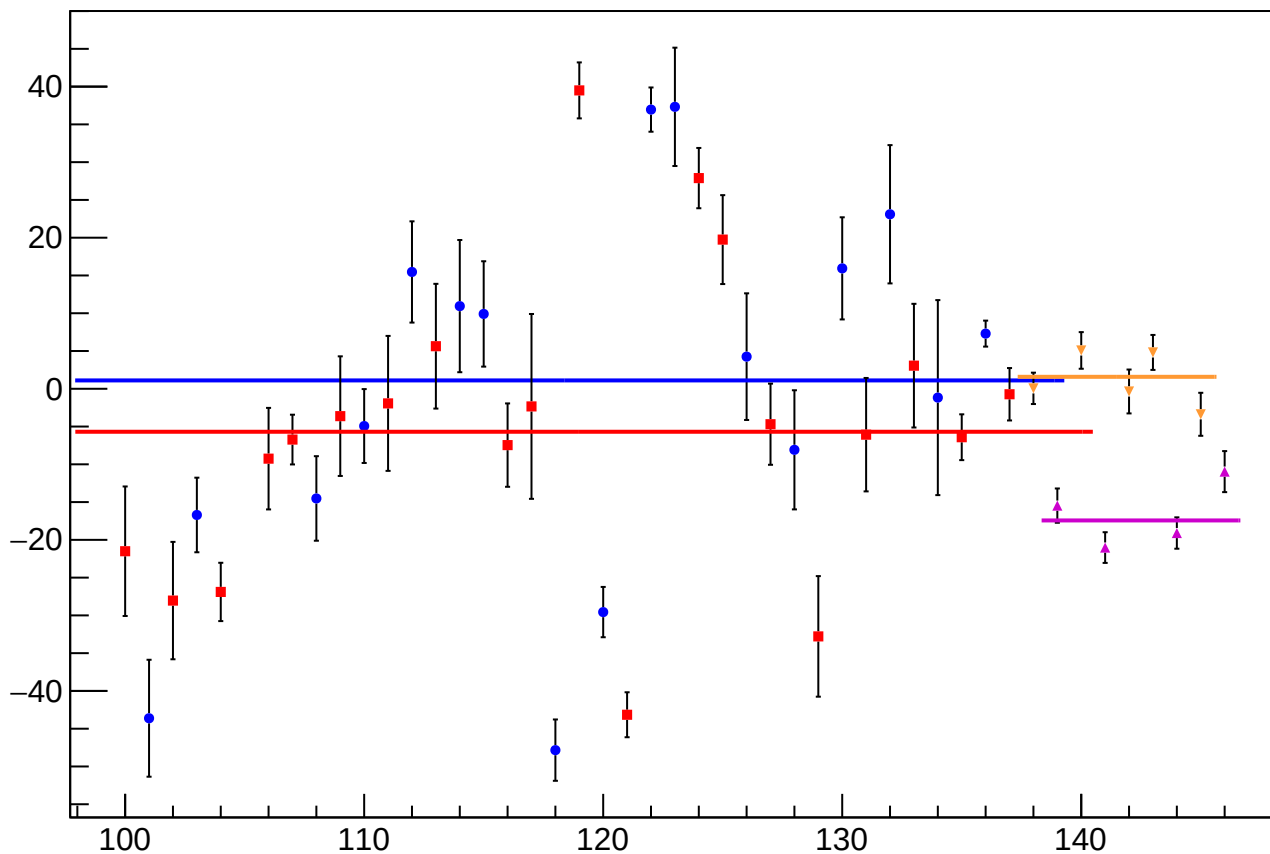
Left In: 9861.368+/-3.902 χ^2/NDF : 8679.8/3

9661.015+/-2.159 χ^2/NDF : 45650.5/21

9691.174+/-1.520 χ^2/NDF : 134248.9/45

9720.801+/-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: 1.584 ± 1.097 $\chi^2/\text{NDF}: 8.0/4$

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

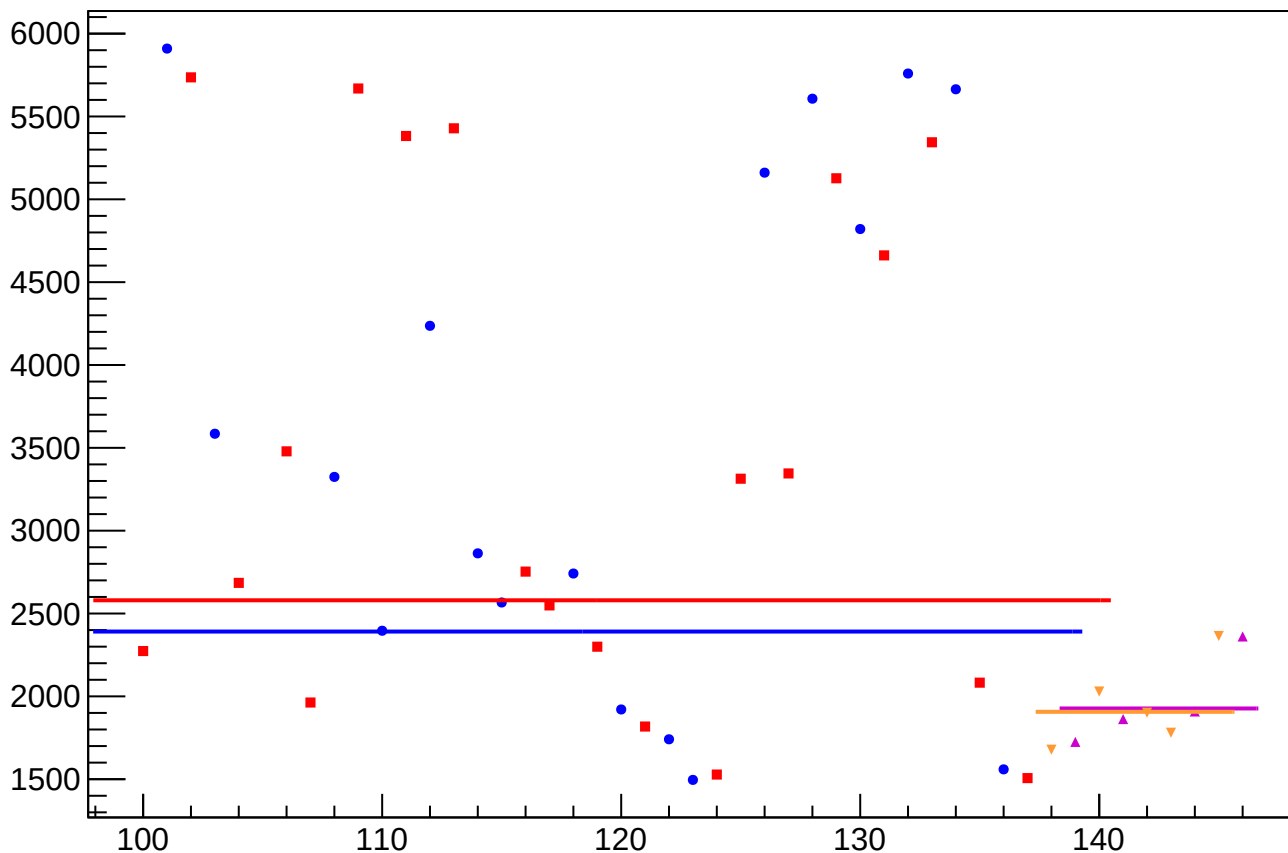
Left In: -17.429 ± 1.115 $\chi^2/\text{NDF}: 10.2/3$

1.338 ± 0.765 $\chi^2/\text{NDF}: 497.8/21$

-4.924 ± 0.545 $\chi^2/\text{NDF}: 1157.3/45$

-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: 1906.825 $\pm$ 0.776 χ^2/NDF : 87006.9/4

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

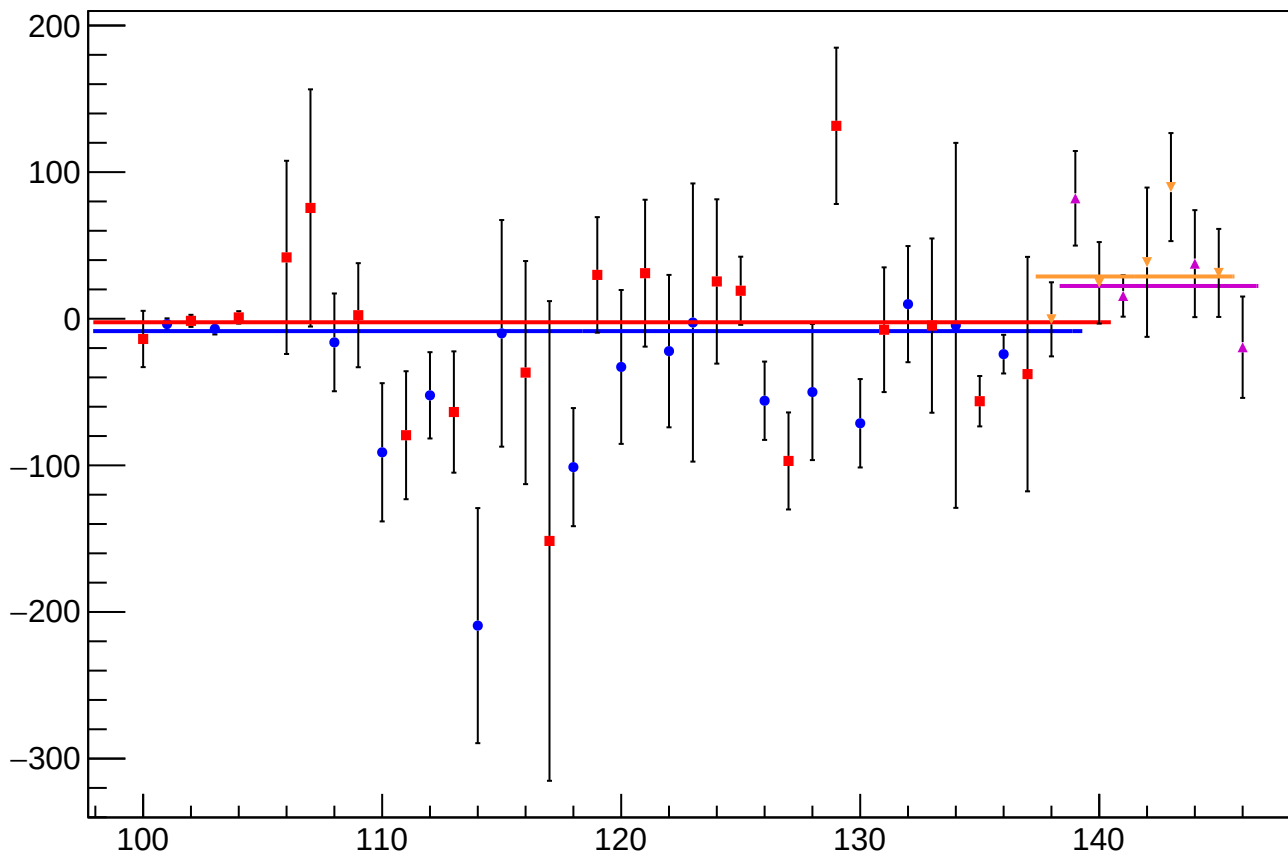
Left In: 1926.903 $\pm$ 0.788 χ^2/NDF : 69128.1/3

2155.904 $\pm$ 0.541 χ^2/NDF : 2887924.0/21

2207.894 $\pm$ 0.386 χ^2/NDF : 5692771.5/45

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: 28.823 $\pm$ 14.013 χ^2/NDF : 4.1/4

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

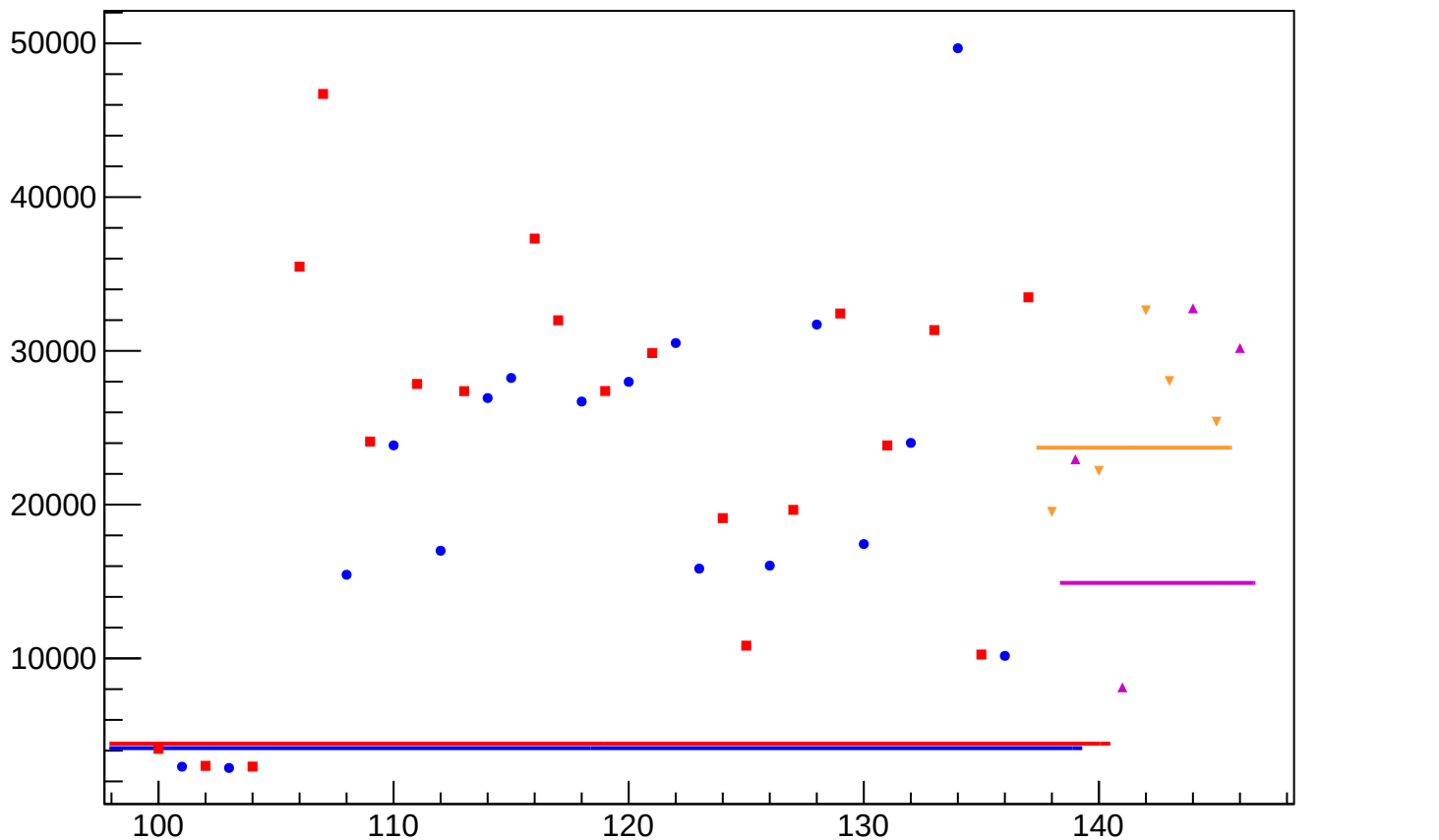
Left In: 22.352 $\pm$ 11.513 χ^2/NDF : 5.3/3

-7.202 $\pm$ 2.544 χ^2/NDF : 39.9/21

-4.305 $\pm$ 1.854 χ^2/NDF : 87.8/45

-1.022 $\pm$ 2.708 χ^2/NDF : 45.2/23

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4162.318 ± 1.830 $\chi^2/\text{NDF}: 599070.5/16$

Left Out: 23709.035 ± 9.909 $\chi^2/\text{NDF}: 155840.4/4$

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

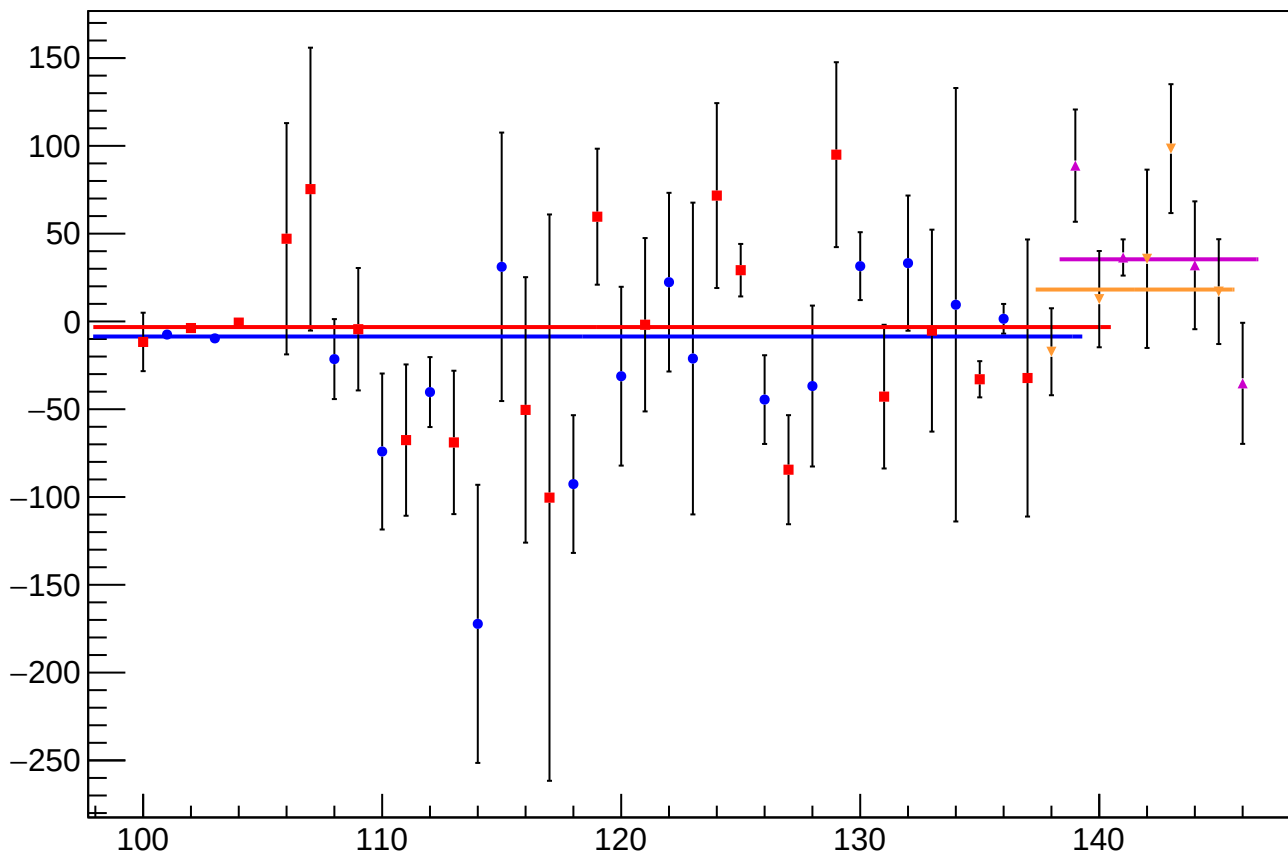
Left In: 14909.057 ± 8.141 $\chi^2/\text{NDF}: 1454632.2/3$

4806.732 ± 1.799 $\chi^2/\text{NDF}: 9908905.5/21$

4913.102 ± 1.311 $\chi^2/\text{NDF}: 20412408.0/4$

5033.609 ± 1.915 $\chi^2/\text{NDF}: 10496047.3/23$

diff_bpm0l03Y_mean vs Slug, Sign Corrected



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

Left Out: 18.163 ± 13.851 χ^2/NDF : 7.0/4

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

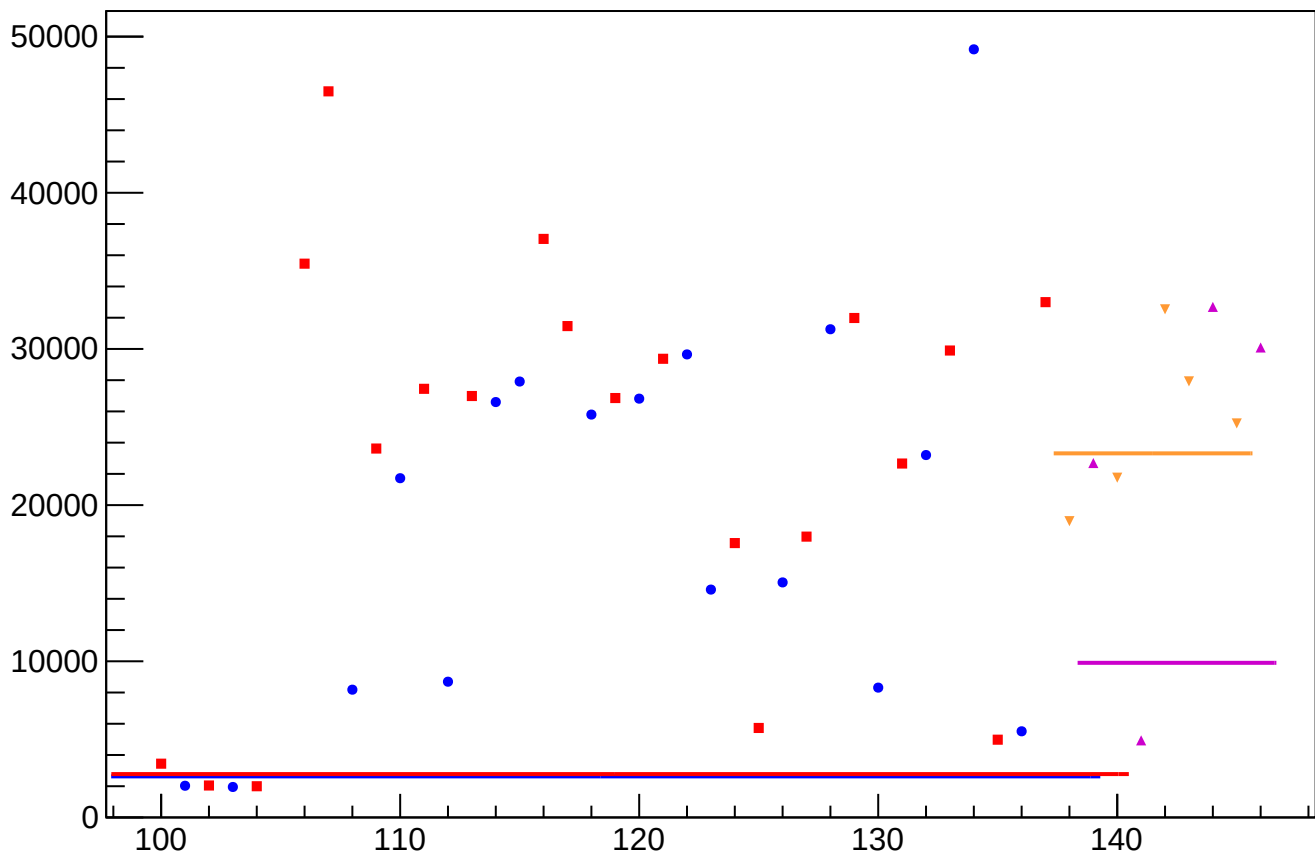
Left In: 35.384 ± 9.137 χ^2/NDF : 7.0/3

-8.153 ± 1.763 χ^2/NDF : 35.1/21

-5.075 ± 1.286 χ^2/NDF : 102.9/45

-1.572 ± 1.881 χ^2/NDF : 61.3/23

diff_bpm0l03Y_rms vs Slug, Sign Corrected



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

Left Out: 23314.189 $\pm$ 9.794 χ^2 /NDF:173727.0/4

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

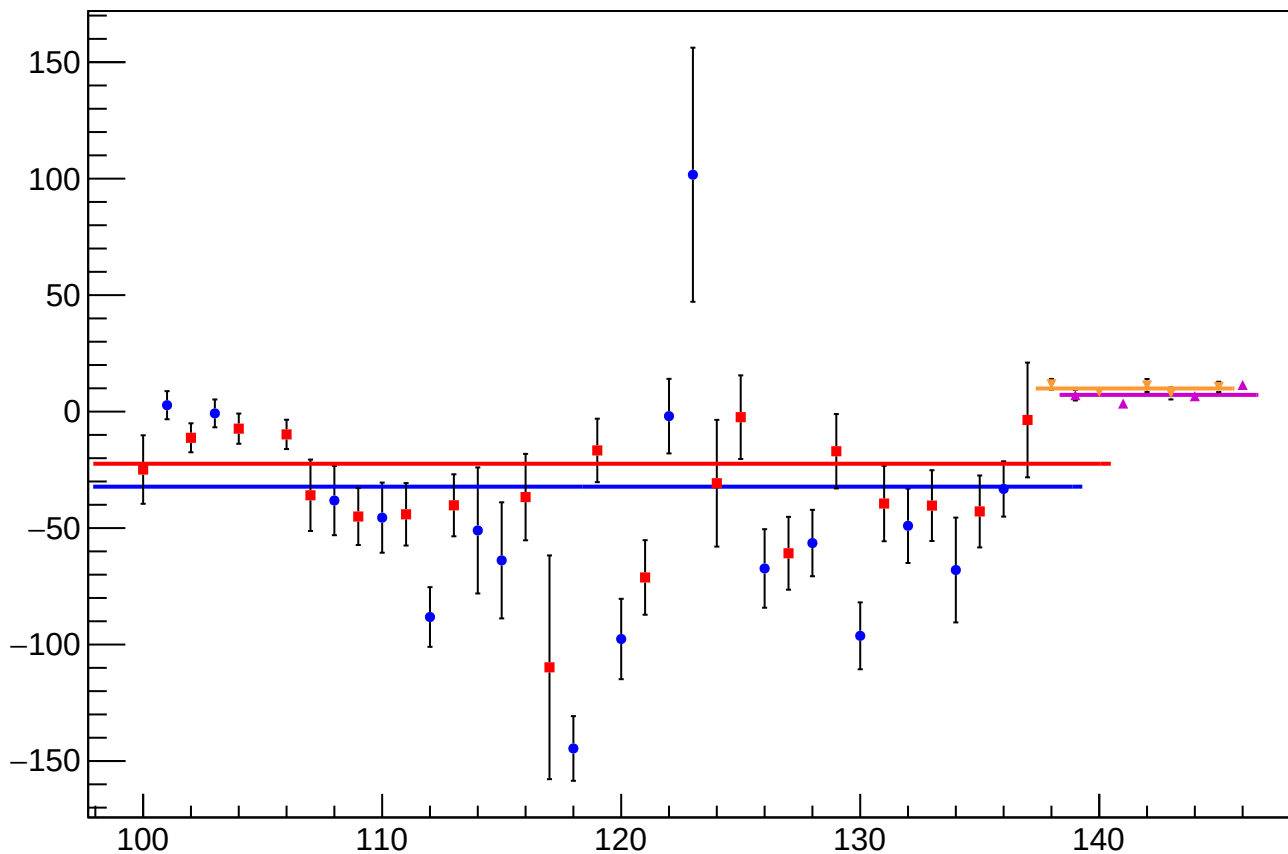
Left In: 9901.342 $\pm$ 6.461 χ^2 /NDF:2253441.3/3

2965.769 $\pm$ 1.247 χ^2 /NDF: 10150508.1/21

3018.933 $\pm$ 0.910 χ^2 /NDF: 21471298.1/4

3079.428 $\pm$ 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: 9.930 ± 1.051 χ^2/NDF : 2.2/4

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

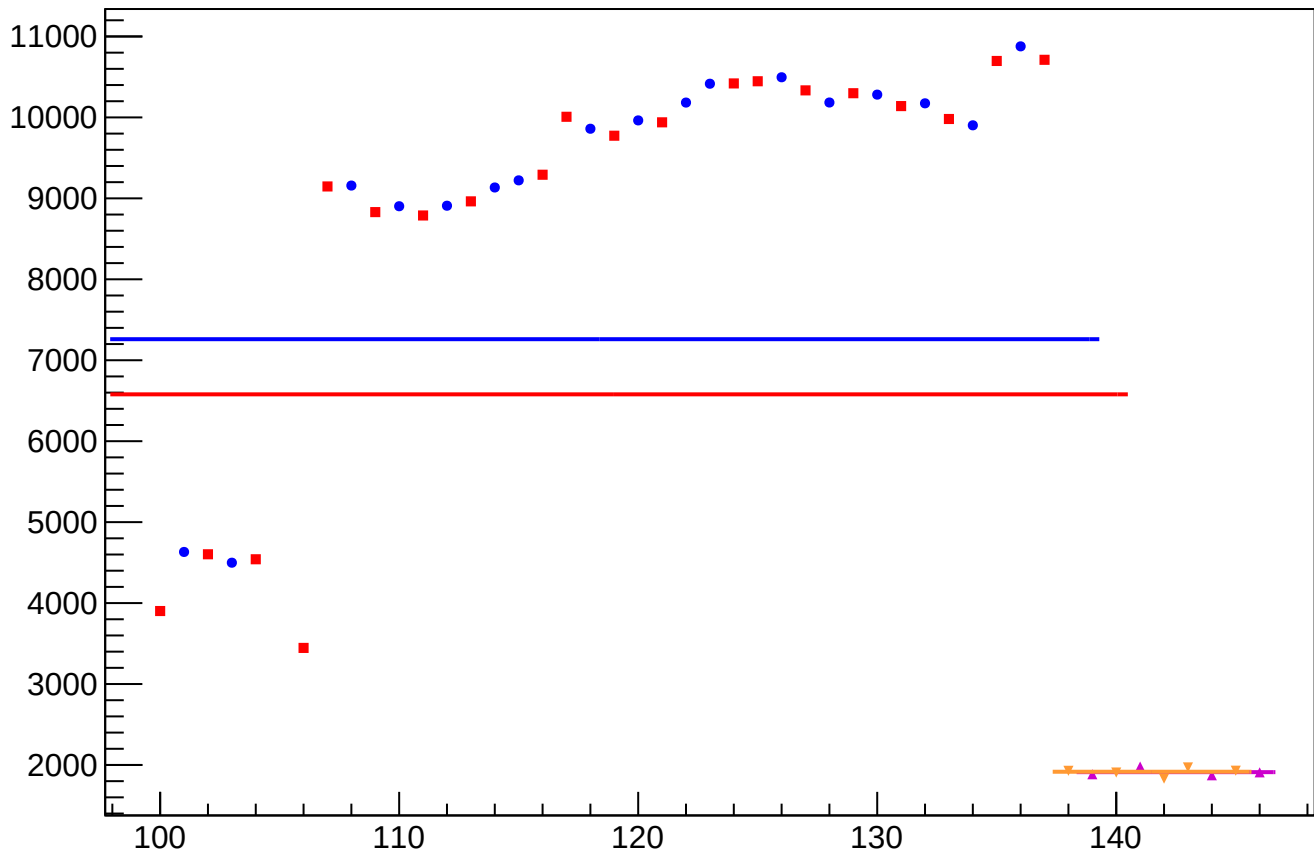
Left In: 7.178 ± 1.069 χ^2/NDF : 7.1/3

5.269 ± 0.991 χ^2/NDF : 383.6/21

4.175 ± 0.701 χ^2/NDF : 546.1/45

3.080 ± 0.992 χ^2/NDF : 160.1/23

diff_bpm0l04X_rms vs Slug, Sign Corrected



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

Left Out: 1916.320+/-0.743 χ^2/NDF : 2895.7/4

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

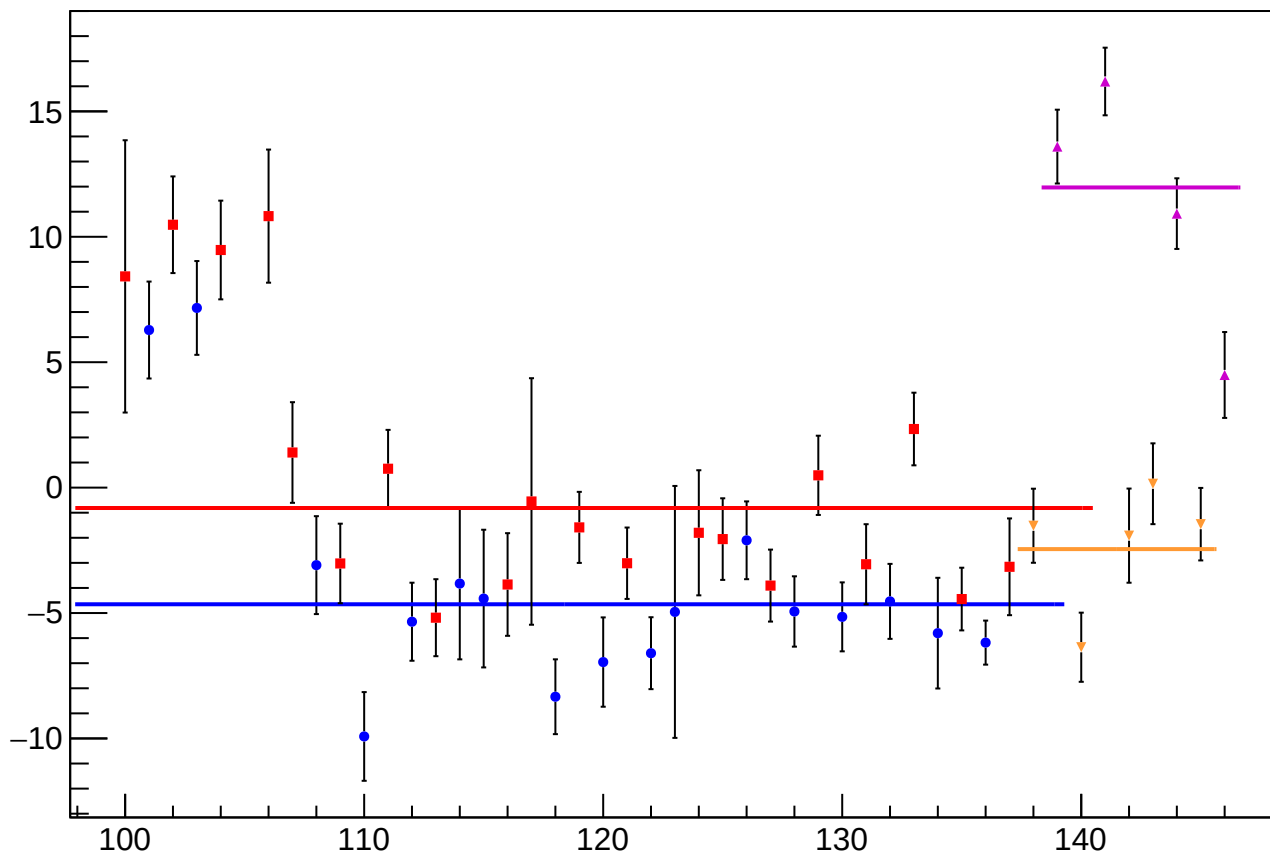
Left In: 1911.302+/-0.756 χ^2/NDF : 3061.2/3

2507.274+/-0.701 χ^2/NDF : 7353885.9/21

2532.810+/-0.496 χ^2/NDF : 14849873.3/4

2558.393+/-0.702 χ^2/NDF : 7493331.5/23

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.651 $\pm$ 0.393 χ^2/NDF : 97.6/16

Left Out: -2.451 $\pm$ 0.685 χ^2/NDF : 11.6/4

Right Out: -0.813 $\pm$ 0.387 χ^2/NDF : 123.7/19

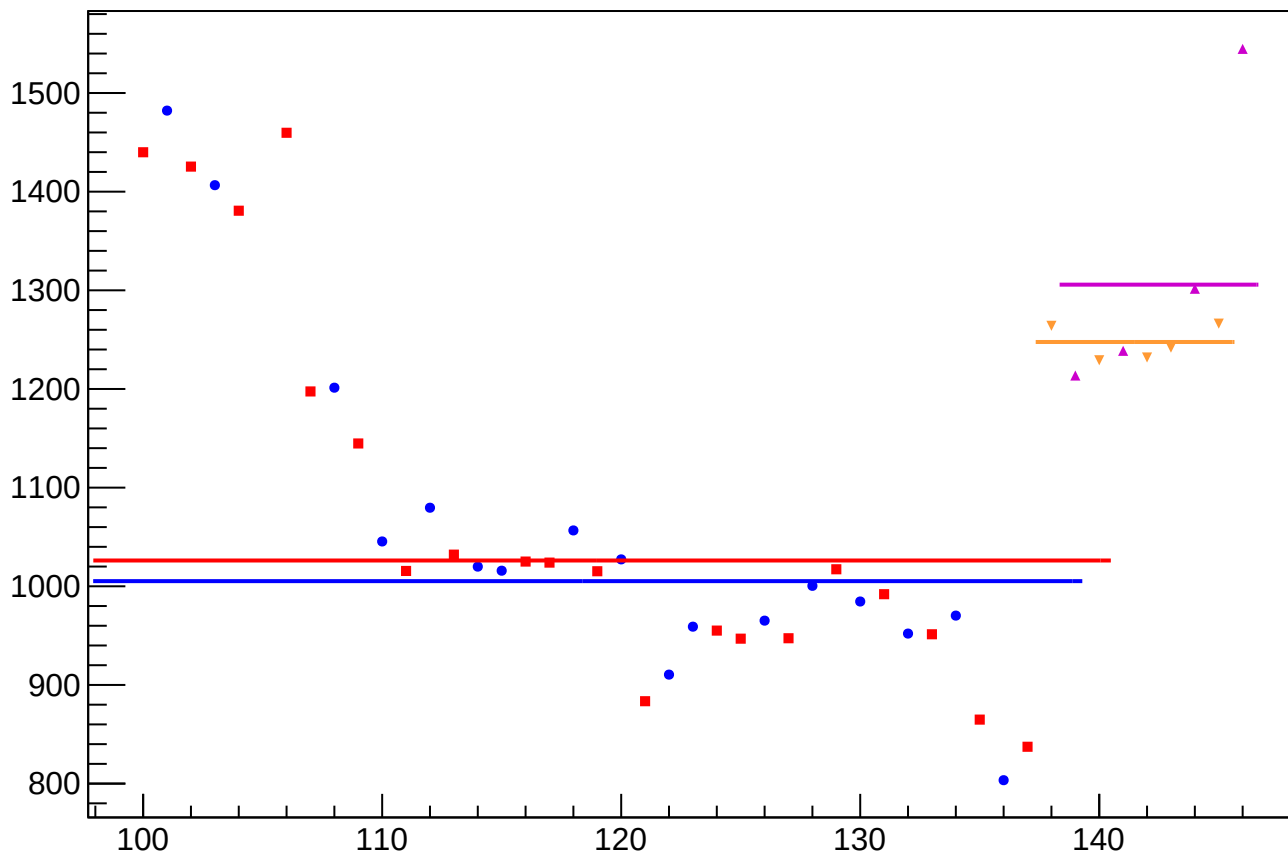
Left In: 11.967 $\pm$ 0.734 χ^2/NDF : 30.7/3

-4.106 $\pm$ 0.341 χ^2/NDF : 117.0/21

-1.084 $\pm$ 0.242 χ^2/NDF : 667.0/45

1.972 $\pm$ 0.343 χ^2/NDF : 391.6/23

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1005.227+/-0.278 χ^2/NDF : 361954.2/16

Left Out: 1247.632+/-0.484 χ^2/NDF : 1105.2/4

Right Out: 1026.145+/-0.274 χ^2/NDF : 333119.4/19

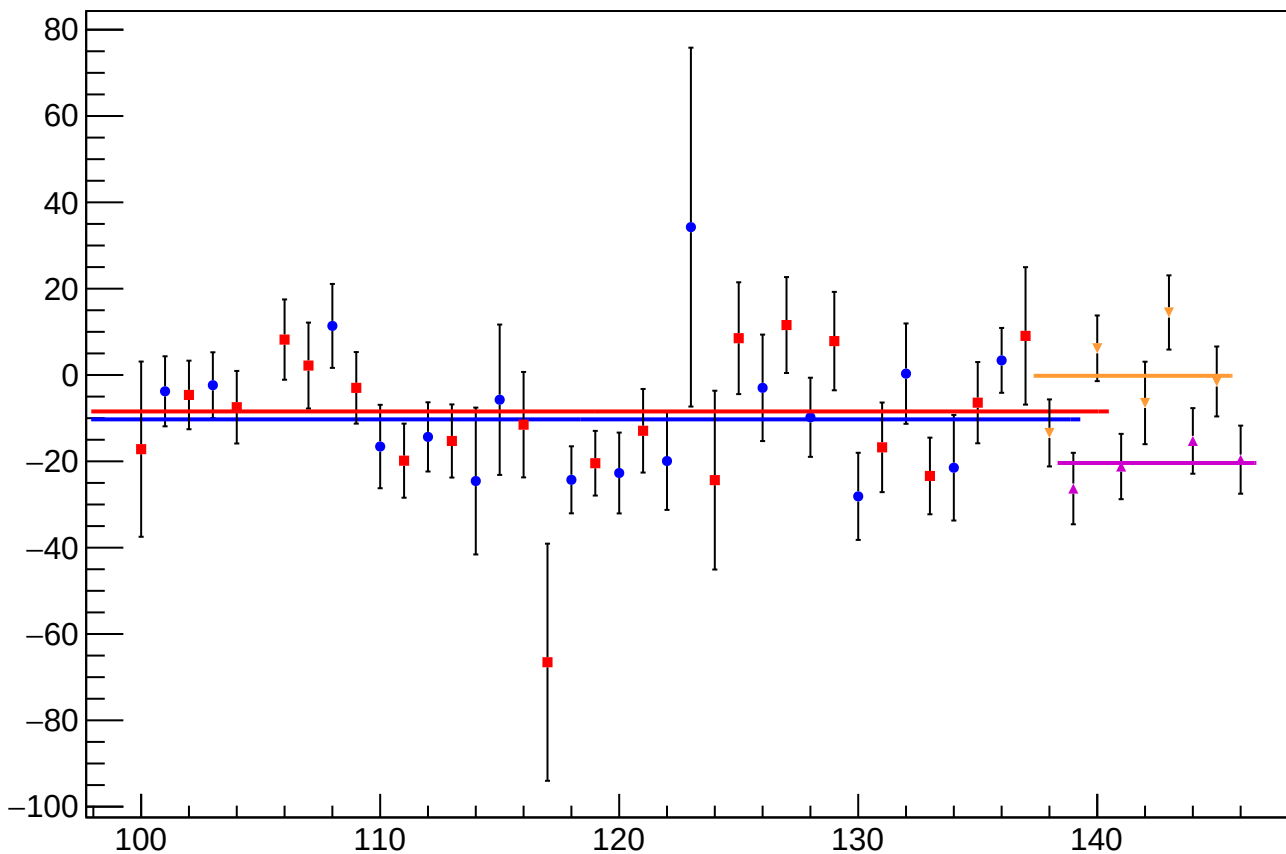
Left In: 1305.748+/-0.519 χ^2/NDF : 51789.8/3

1065.206+/-0.241 χ^2/NDF : 551690.2/21

1076.081+/-0.171 χ^2/NDF : 1167867.1/45

1087.078+/-0.242 χ^2/NDF : 612076.4/23

diff_bpm0l05X_mean vs Slug, Sign Corrected



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

Left Out: -0.181 ± 3.686 χ^2/NDF : 7.0/4

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

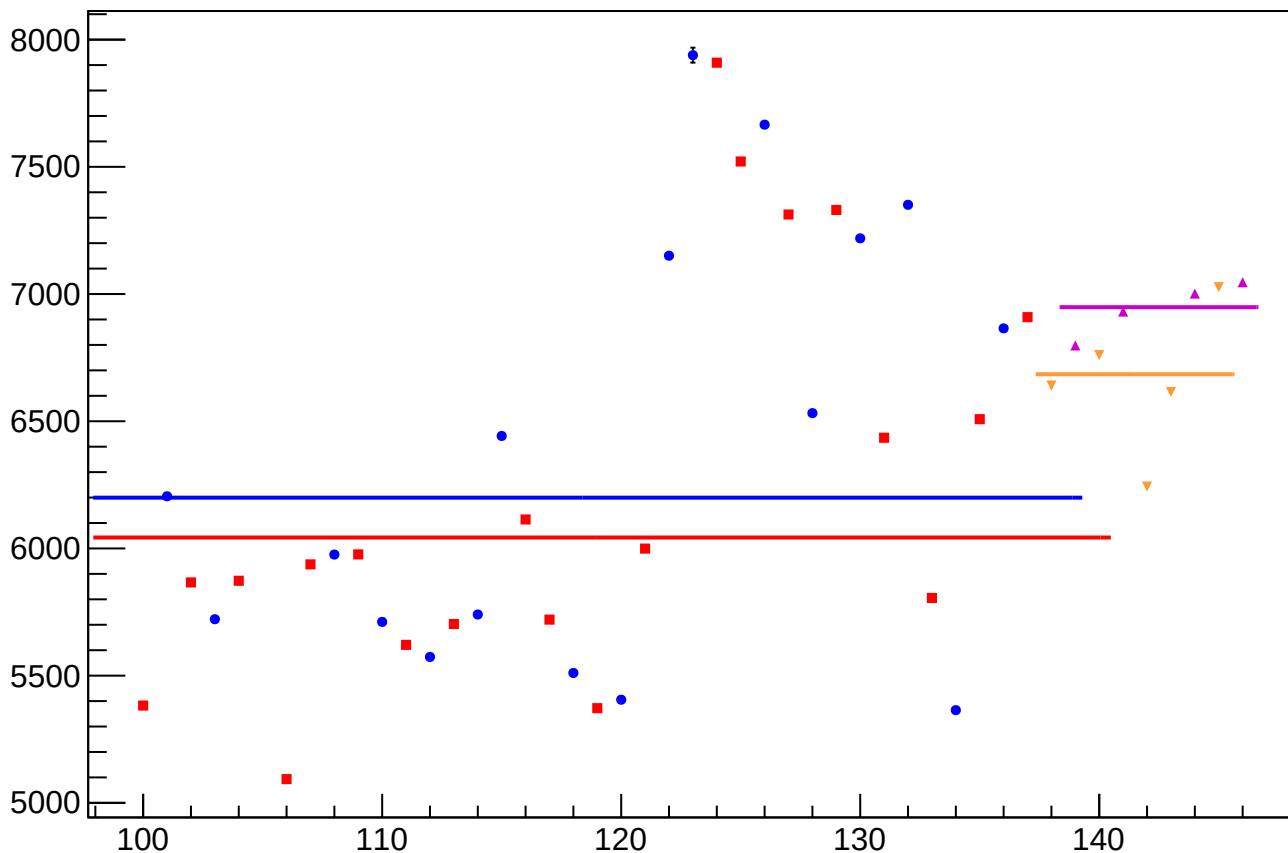
Left In: -20.380 ± 3.908 χ^2/NDF : 1.0/3

-7.258 ± 2.016 χ^2/NDF : 35.7/21

-9.411 ± 1.407 χ^2/NDF : 73.2/45

-11.454 ± 1.963 χ^2/NDF : 35.2/23

diff_bpm0l05X_rms vs Slug, Sign Corrected



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

Left Out: 6684.656 $\pm$ 2.607 χ^2/NDF : 8230.1/4

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

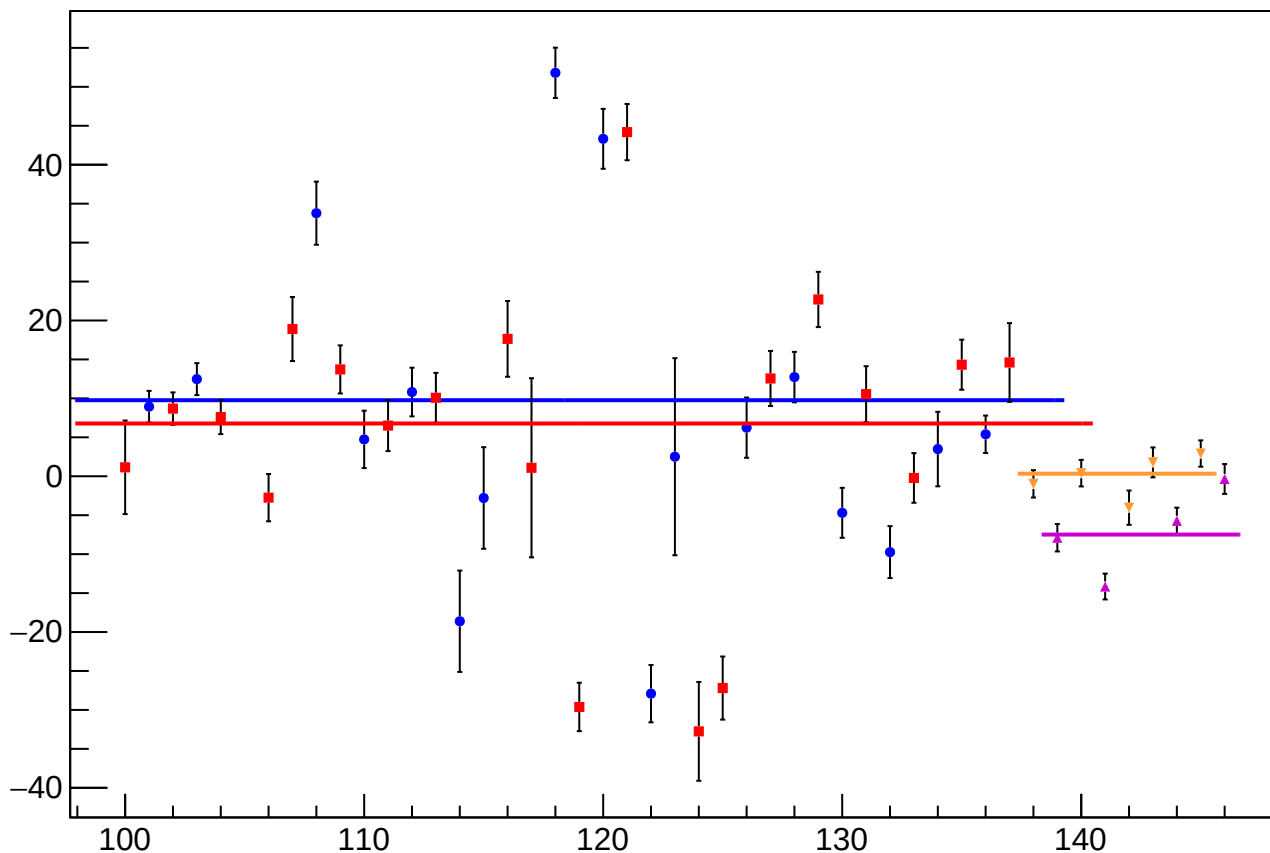
Left In: 6948.439 $\pm$ 2.764 χ^2/NDF : 1079.0/3

6344.664 $\pm$ 1.425 χ^2/NDF : 204260.5/21

6307.087 $\pm$ 0.995 χ^2/NDF : 445553.4/45

6271.443 $\pm$ 1.388 χ^2/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: 0.330 ± 0.818 χ^2/NDF : 7.4/4

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

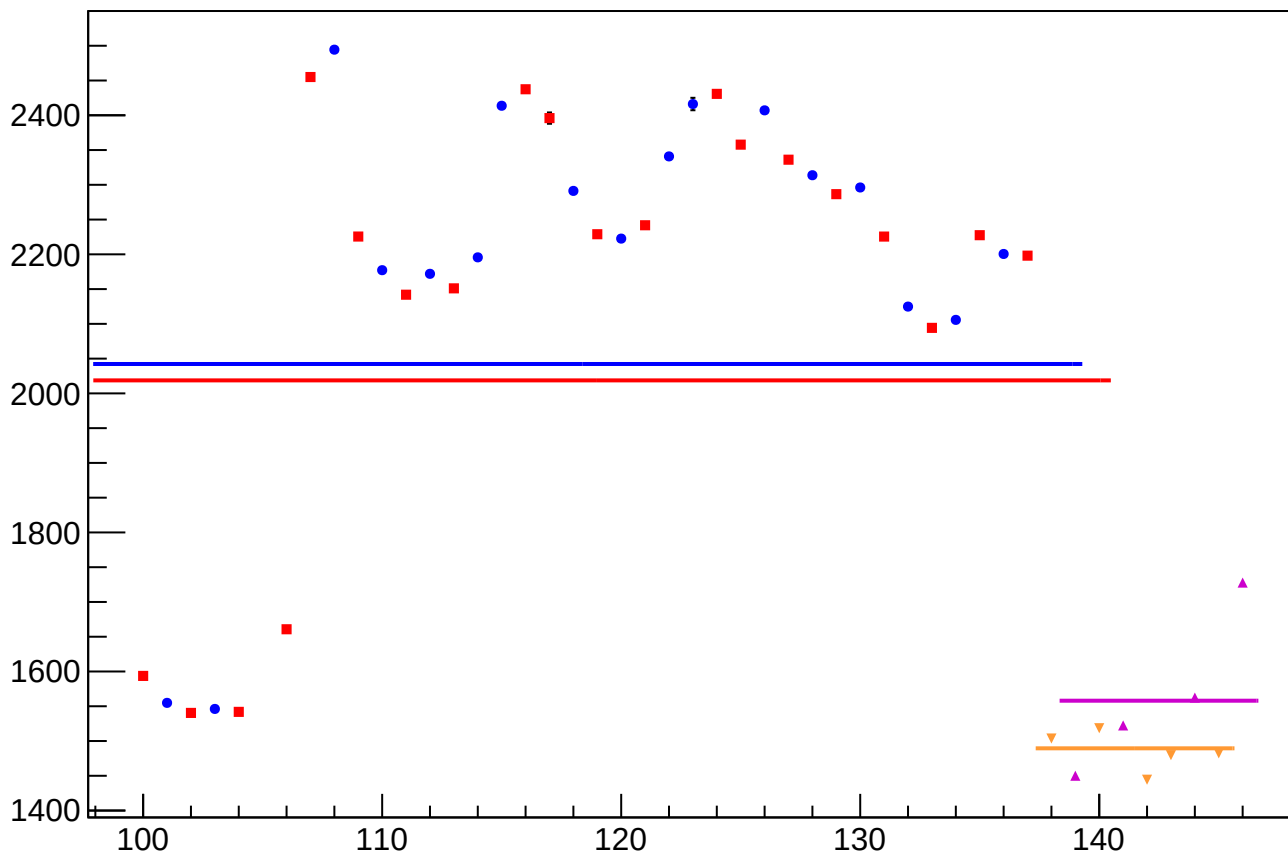
Left In: -7.486 ± 0.874 χ^2/NDF : 31.2/3

5.168 ± 0.571 χ^2/NDF : 549.5/21

2.904 ± 0.405 χ^2/NDF : 1185.5/45

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: 1489.493 $\pm$ 0.578 χ^2/NDF : 1635.3/4

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

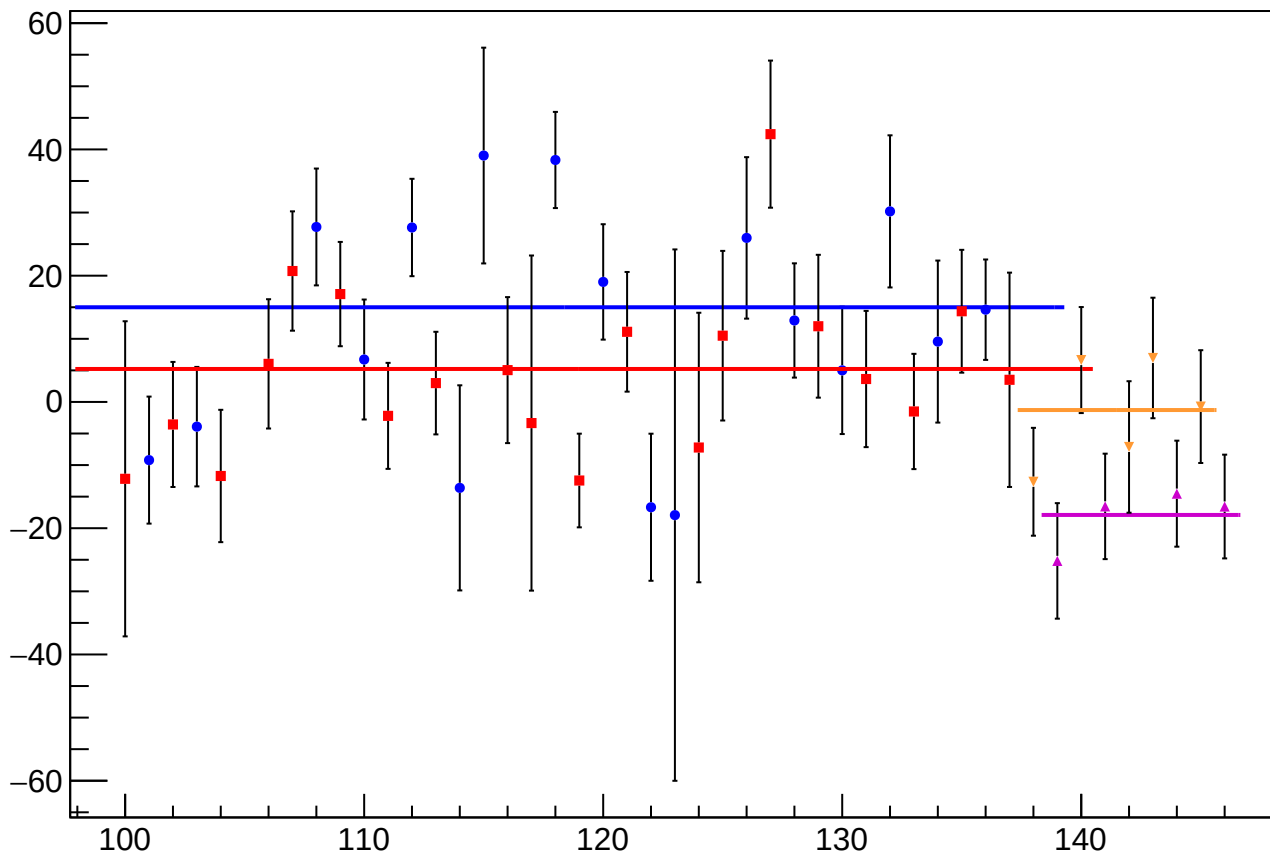
Left In: 1557.980 $\pm$ 0.618 χ^2/NDF : 24197.3/3

1772.985 $\pm$ 0.404 χ^2/NDF : 827314.1/21

1796.035 $\pm$ 0.286 χ^2/NDF : 1551211.0/45

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: -1.282 $\pm$ 4.062 χ^2/NDF : 3.7/4

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

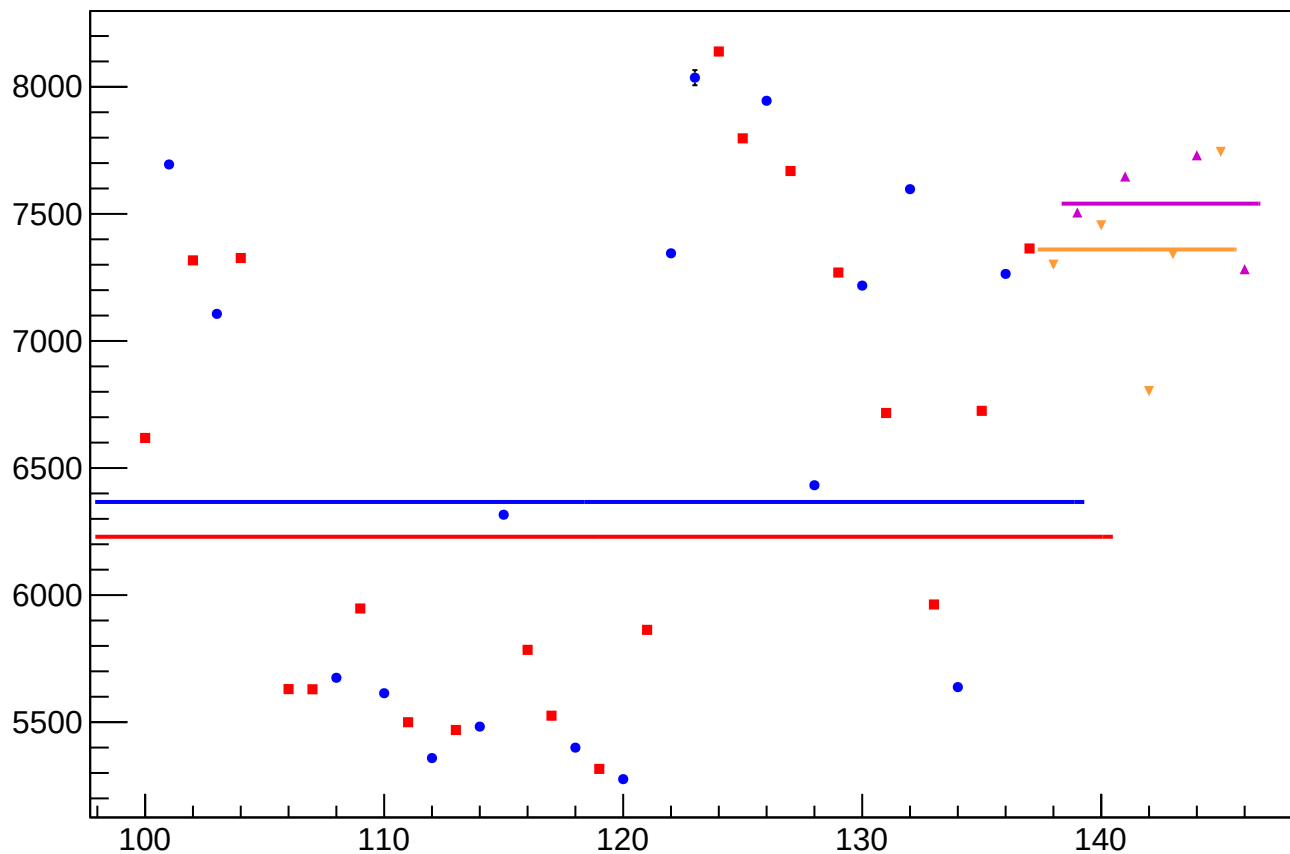
Left In: -17.899 $\pm$ 4.253 χ^2/NDF : 0.8/3

10.562 $\pm$ 2.120 χ^2/NDF : 56.7/21

5.027 $\pm$ 1.476 χ^2/NDF : 121.6/45

-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: 7359.943 $\pm$ 2.872 χ^2/NDF : 9787.5/4

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

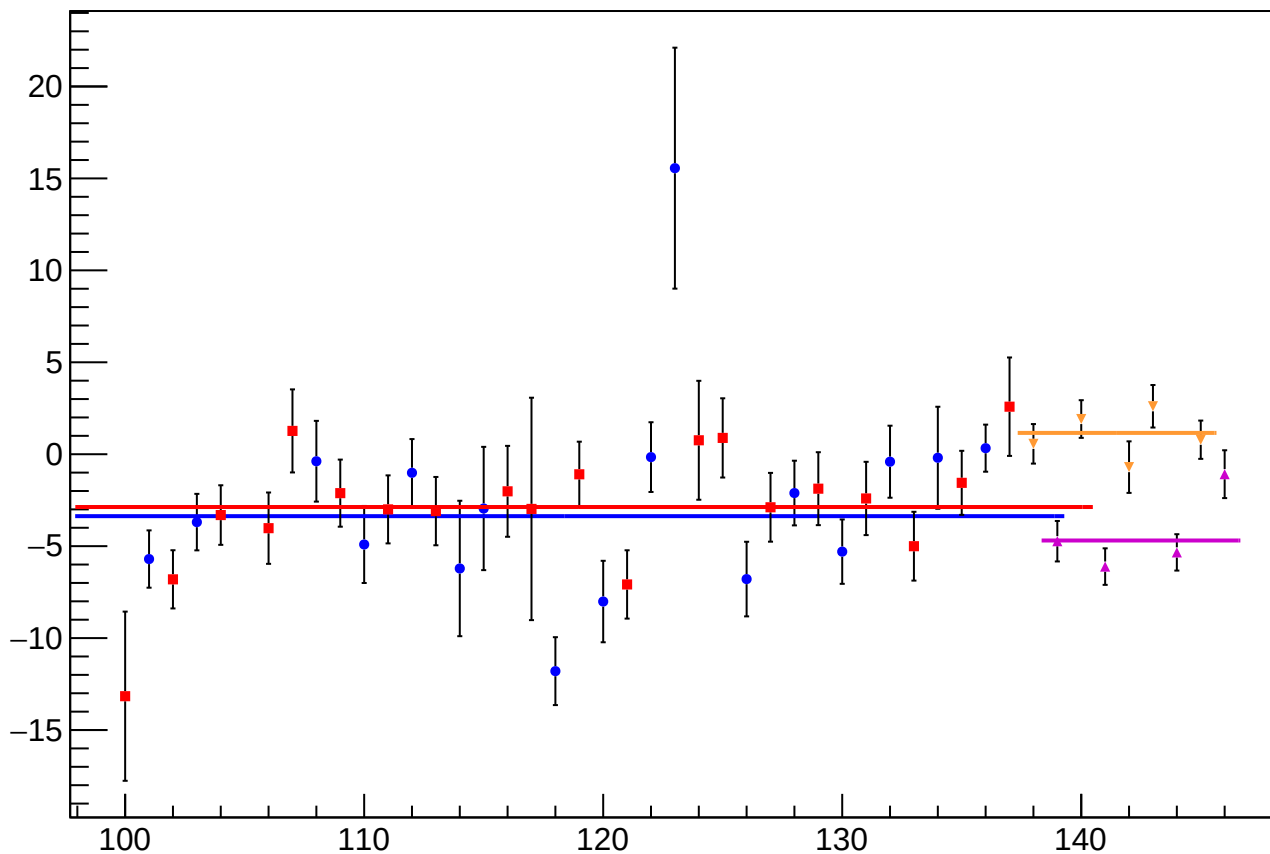
Left In: 7540.328 $\pm$ 3.008 χ^2/NDF : 3353.7/3

6637.117 $\pm$ 1.499 χ^2/NDF : 383335.6/21

6584.894 $\pm$ 1.044 χ^2/NDF : 779224.7/45

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

diff_bpm0l06Y_mean vs Slug, Sign Corrected



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

Left Out: 1.160 $\pm$ 0.500 χ^2/NDF : 4.3/4

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

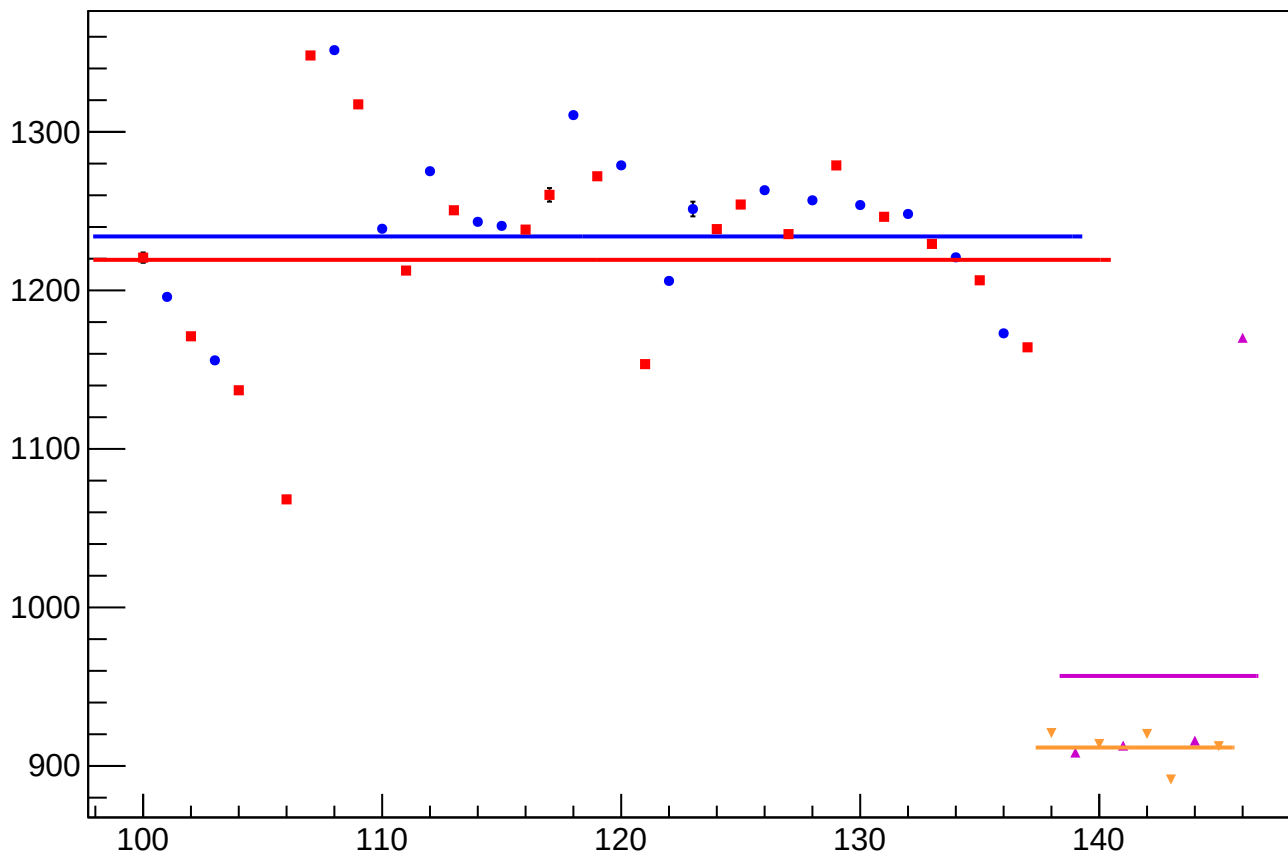
Left In: -4.692 $\pm$ 0.538 χ^2/NDF : 10.2/3

-1.218 $\pm$ 0.345 χ^2/NDF : 107.2/21

-2.414 $\pm$ 0.245 χ^2/NDF : 180.4/45

-3.630 $\pm$ 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: 911.634 $\pm$ 0.354 χ^2 /NDF: 837.5/4

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

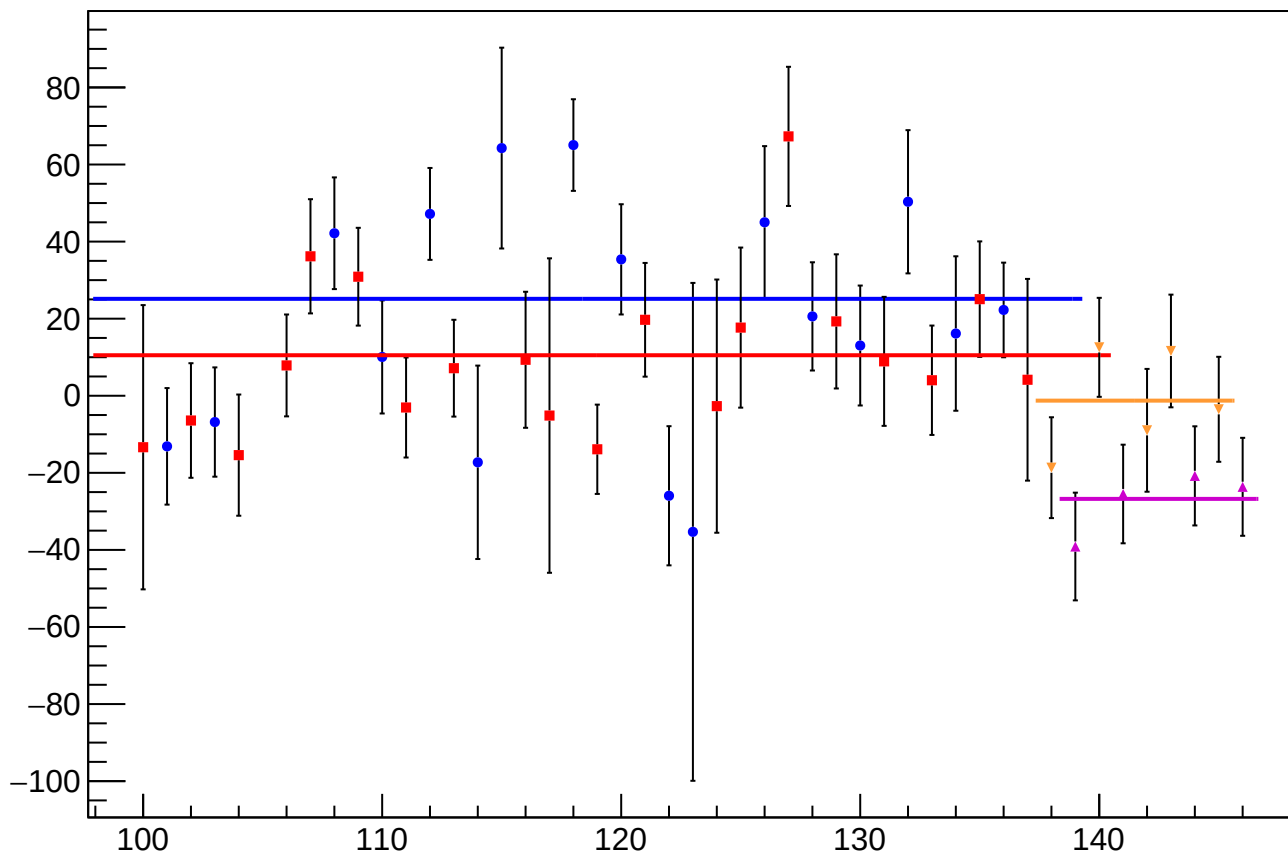
Left In: 956.784 $\pm$ 0.381 χ^2 /NDF: 64972.9/3

1080.941 $\pm$ 0.244 χ^2 /NDF: 460946.1/21

1095.266 $\pm$ 0.173 χ^2 /NDF: 850739.9/45

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

diff_bpm0l07X_mean vs Slug, Sign Corrected



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

Left Out: -1.266 $\pm$ 6.212 χ^2 /NDF: 4.0/4

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

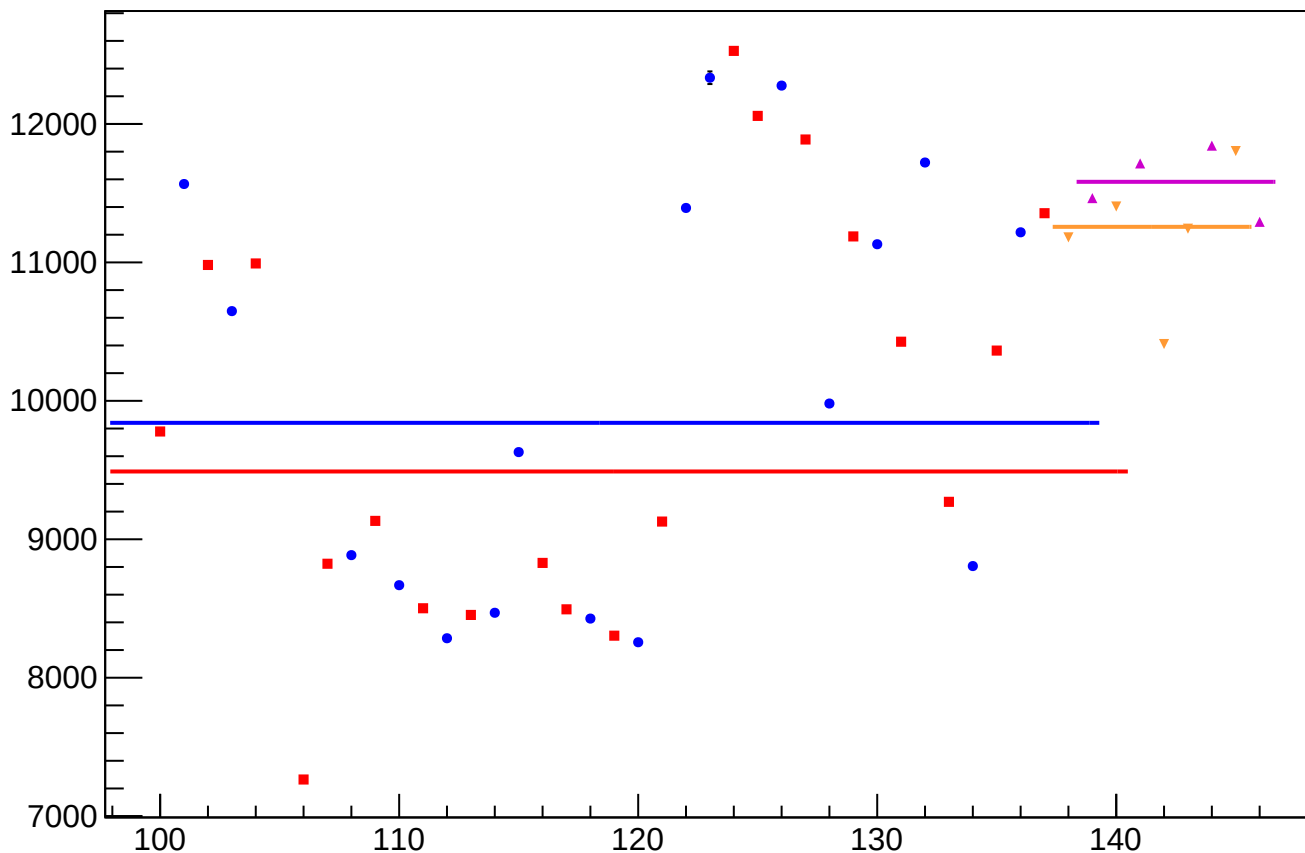
Left In: -26.761 $\pm$ 6.528 χ^2 /NDF: 1.1/3

17.853 $\pm$ 3.265 χ^2 /NDF: 64.0/21

9.561 $\pm$ 2.263 χ^2 /NDF: 130.4/45

1.892 $\pm$ 3.140 χ^2 /NDF: 54.0/23

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9841.174+/-2.713 χ^2/NDF : 260062.4/16

Left Out: 11256.930+/-4.393 χ^2/NDF : 9206.6/4

Right Out: 9489.753+/-2.532 χ^2/NDF : 277900.5/19

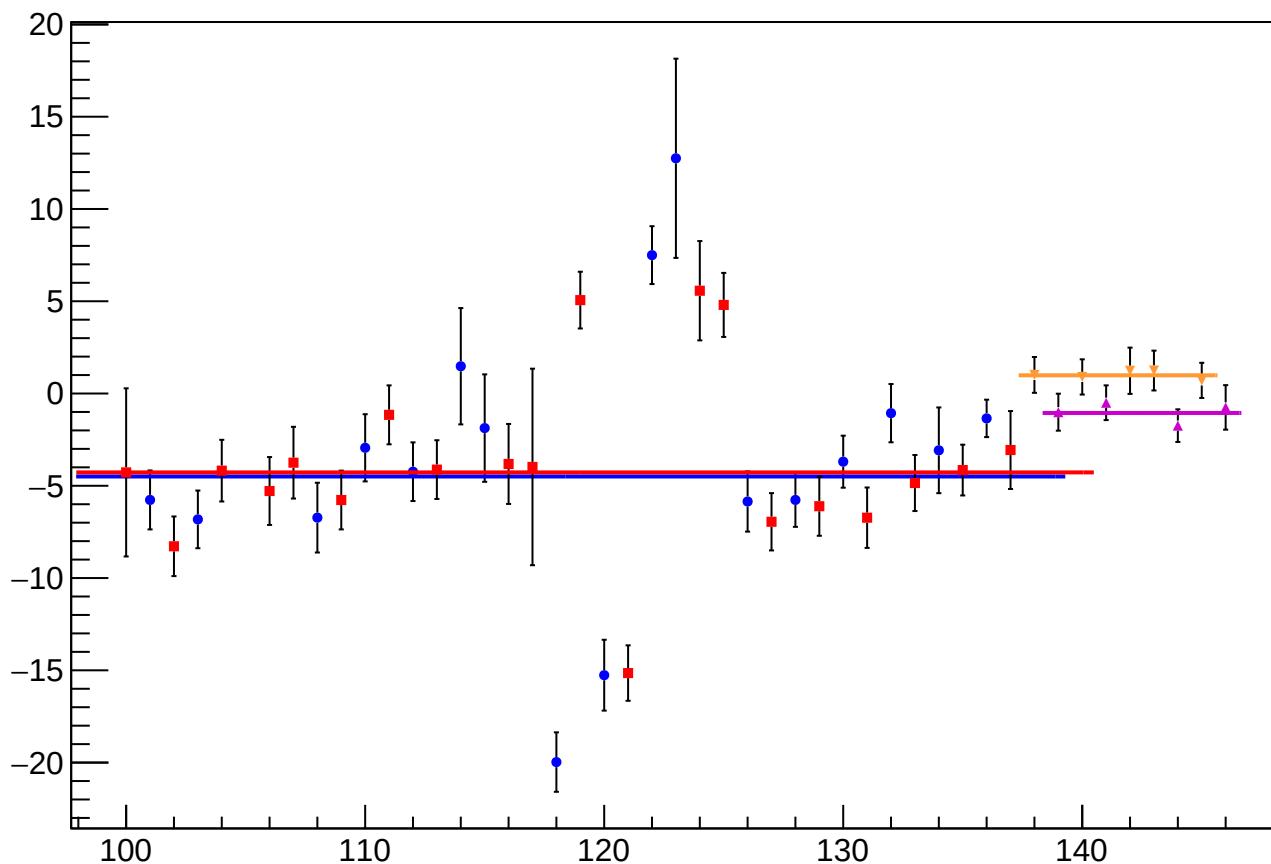
Left In: 11582.114+/-4.616 χ^2/NDF : 2216.8/3

10232.196+/-2.309 χ^2/NDF : 344457.6/21

10097.888+/-1.600 χ^2/NDF : 789029.6/45

9973.684+/-2.220 χ^2/NDF : 438056.9/23

diff_bpm0l07Y_mean vs Slug, Sign Corrected

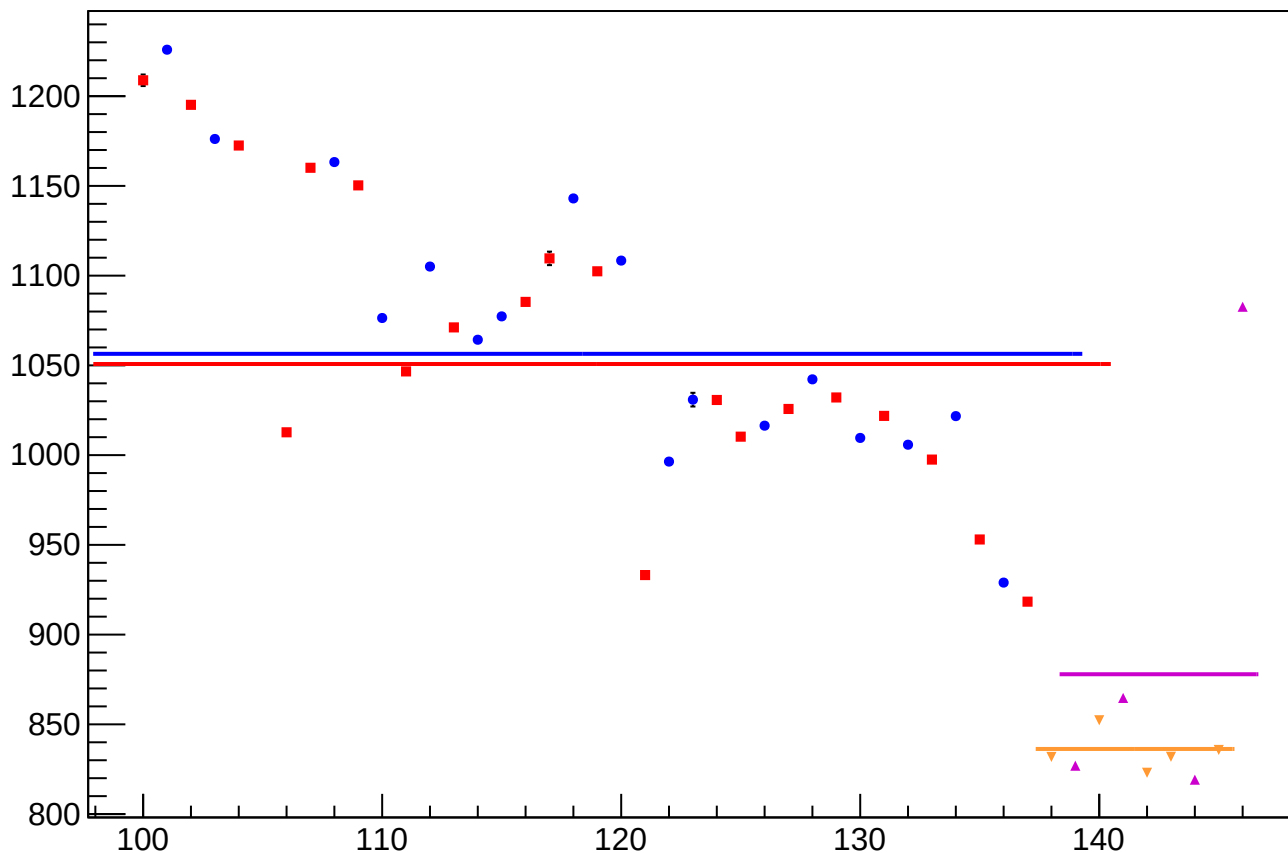


-2.073 ± 0.305 $\chi^2/\text{NDF}: 298.4/21$

-2.547 ± 0.217 $\chi^2/\text{NDF}: 478.5/45$

-3.029 ± 0.308 $\chi^2/\text{NDF}: 175.3/23$

diff_bpm0l07Y_rms vs Slug, Sign Corrected



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

Left Out: 836.289 $\pm$ 0.324 χ^2 /NDF: 859.2/4

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

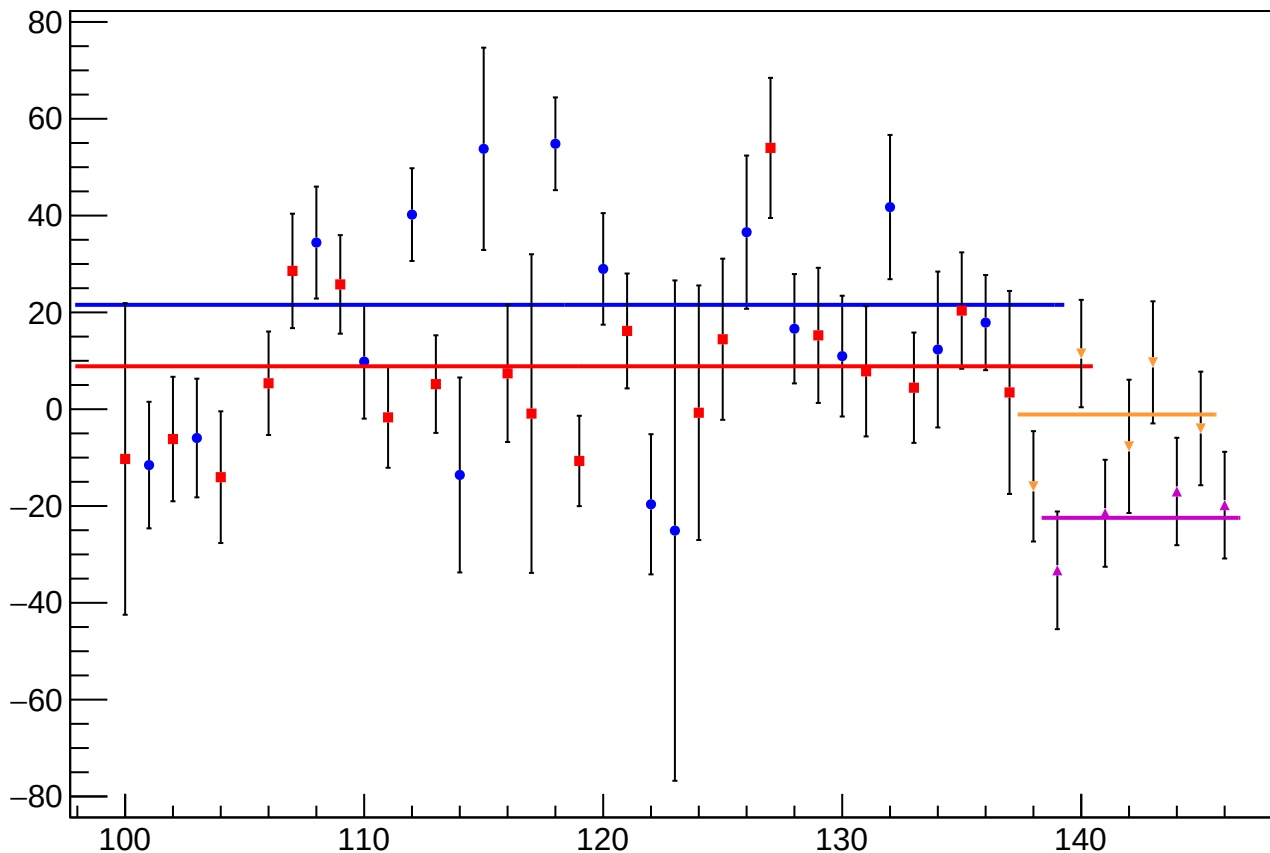
Left In: 877.917 $\pm$ 0.350 χ^2 /NDF: 72040.6/3

959.124 $\pm$ 0.216 χ^2 /NDF: 348810.0/21

971.389 $\pm$ 0.153 χ^2 /NDF: 659881.0/45

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

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.561 ± 3.110 $\chi^2/\text{NDF}: 48.4/16$

Left Out: -1.091 ± 5.372 $\chi^2/\text{NDF}: 4.0/4$

Right Out: 8.867 ± 2.901 $\chi^2/\text{NDF}: 27.5/19$

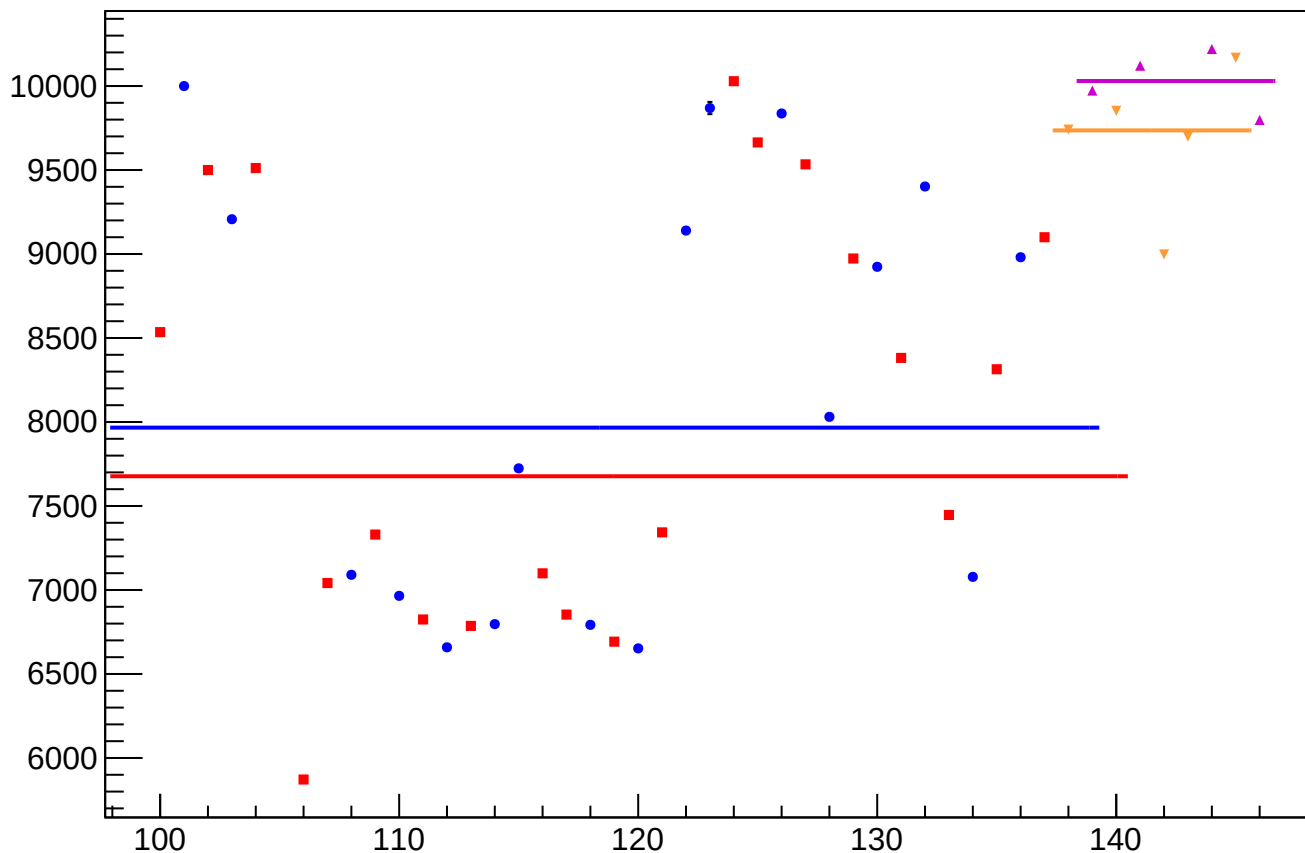
Left In: -22.439 ± 5.652 $\chi^2/\text{NDF}: 1.1/3$

15.875 ± 2.692 $\chi^2/\text{NDF}: 65.7/21$

8.822 ± 1.863 $\chi^2/\text{NDF}: 131.8/45$

2.340 ± 2.581 $\chi^2/\text{NDF}: 52.9/23$

diff_bpm0l08X_rms vs Slug, Sign Corrected



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

Left Out: 9735.898 $\pm$ 3.799 χ^2/NDF : 8706.4/4

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

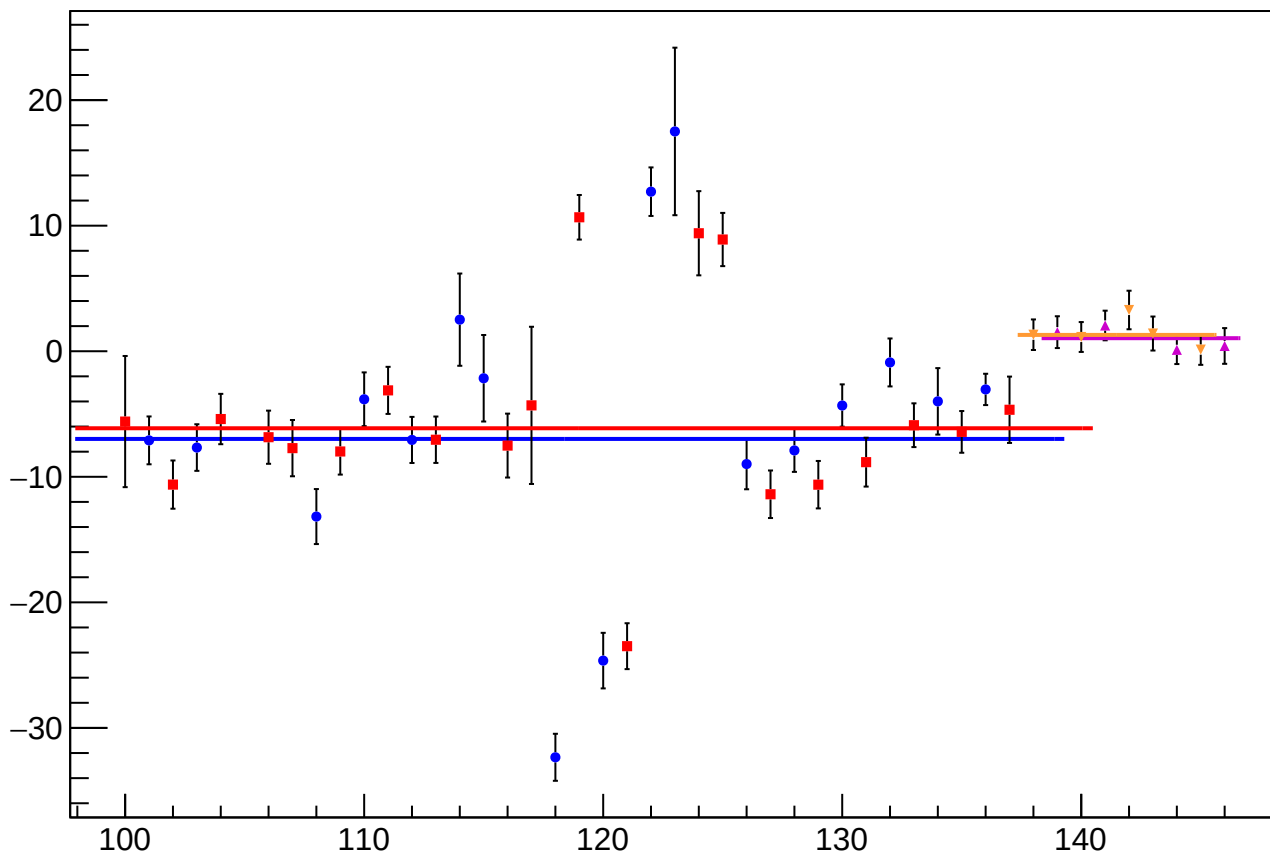
Left In: 10029.775 $\pm$ 3.996 χ^2/NDF : 1653.7/3

8410.629 $\pm$ 1.903 χ^2/NDF : 467820.7/21

8283.961 $\pm$ 1.317 χ^2/NDF : 1068612.6/45

8167.546 $\pm$ 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: 1.300 ± 0.574 χ^2/NDF : 2.6/4

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

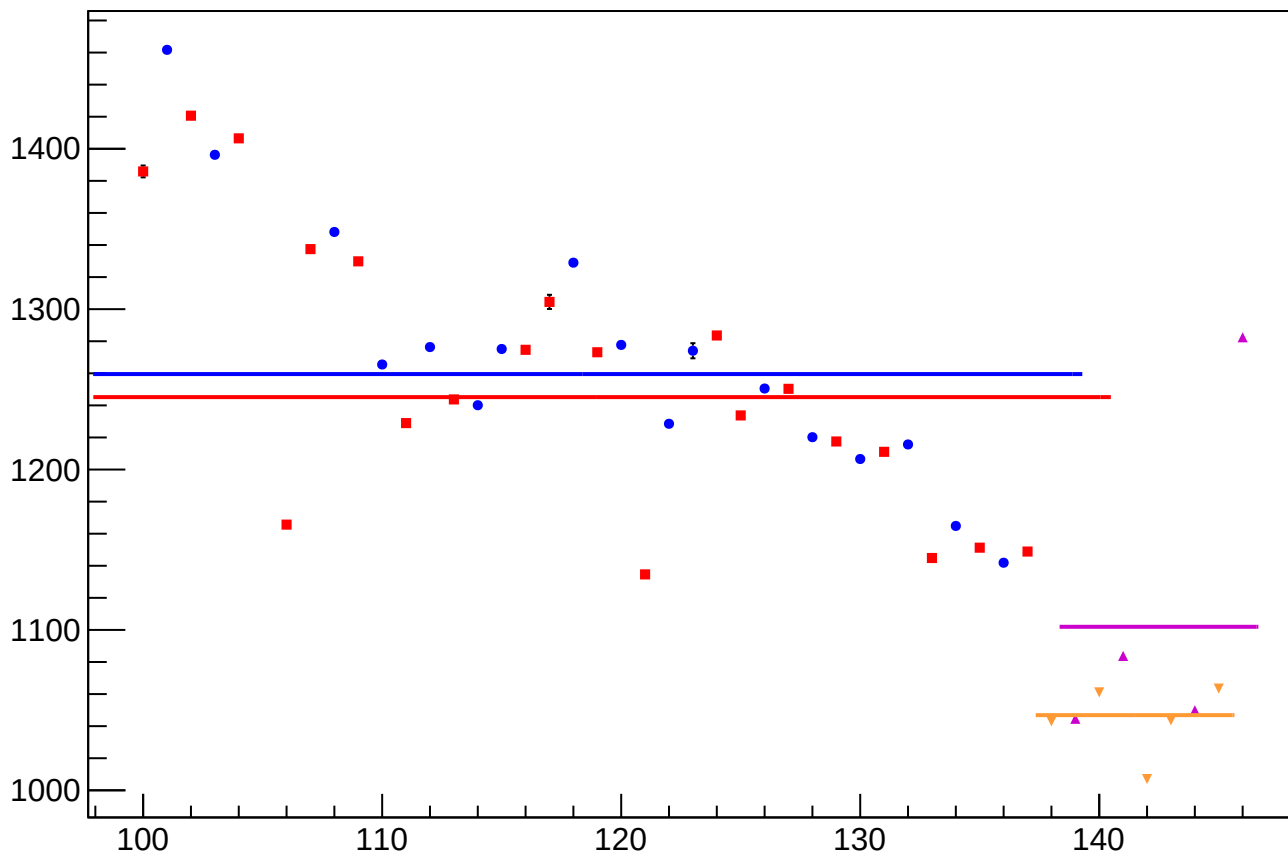
Left In: 1.039 ± 0.619 χ^2/NDF : 1.7/3

-3.526 ± 0.371 χ^2/NDF : 532.3/21

-3.534 ± 0.263 χ^2/NDF : 897.5/45

-3.542 ± 0.372 χ^2/NDF : 365.2/23

diff_bpm0l08Y_rms vs Slug, Sign Corrected



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

Left Out: 1046.866+/-0.406 χ^2/NDF : 2037.3/4

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

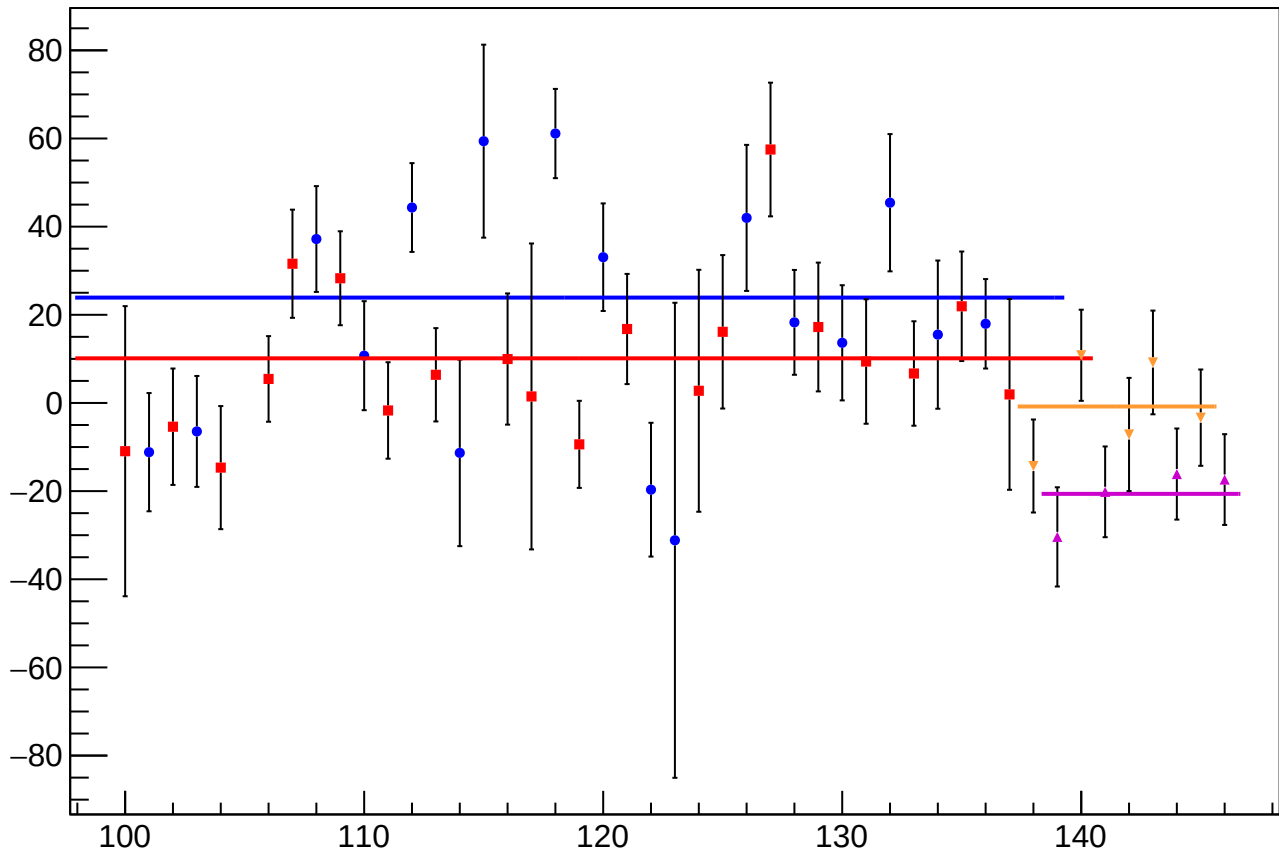
Left In: 1101.952+/-0.437 χ^2/NDF : 41002.1/3

1170.750+/-0.262 χ^2/NDF : 226635.6/21

1182.055+/-0.186 χ^2/NDF : 406818.9/45

1193.411+/-0.263 χ^2/NDF : 176461.9/23

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.904 ± 3.251 χ^2/NDF : 52.4/16

Left Out: -0.804 ± 4.999 χ^2/NDF : 3.9/4

Right Out: 10.125 ± 2.994 χ^2/NDF : 28.0/19

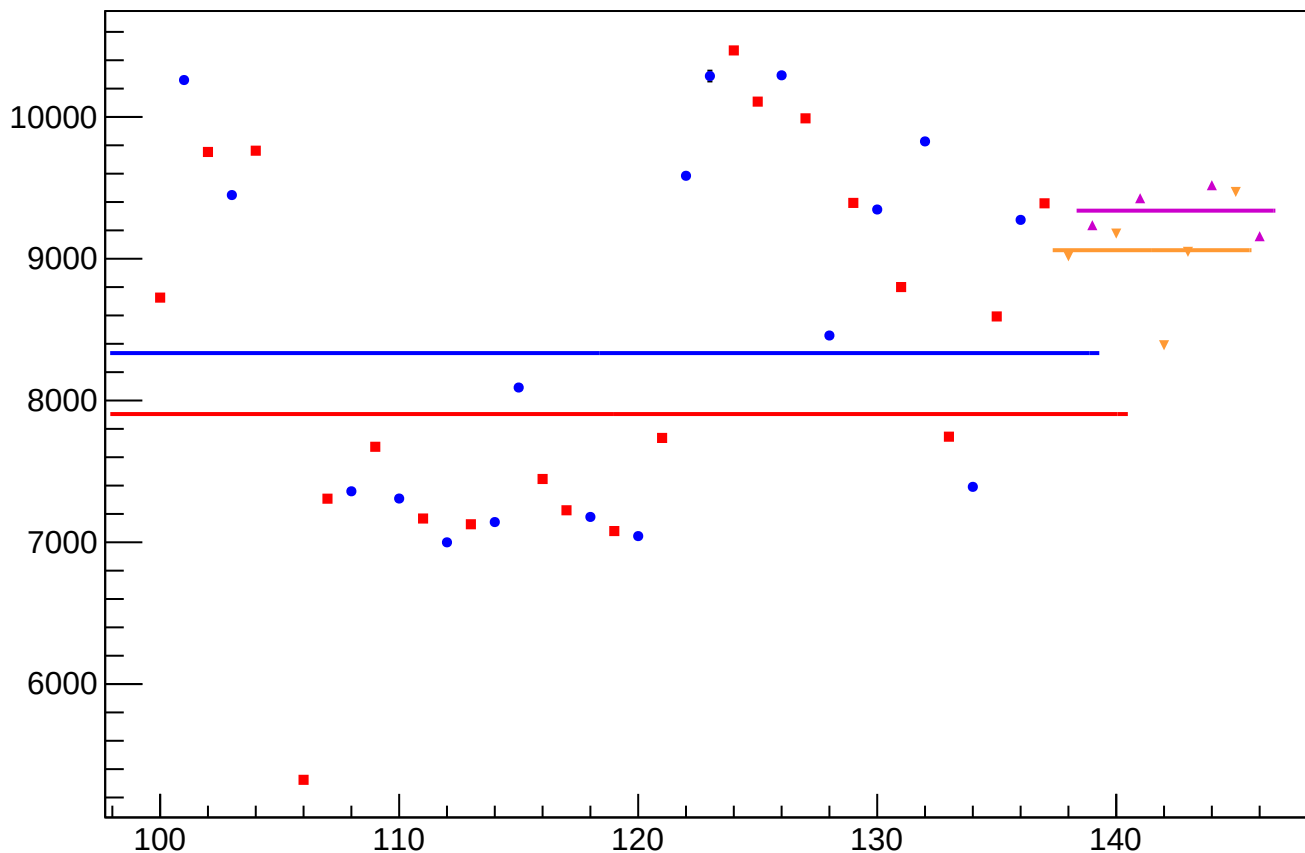
Left In: -20.623 ± 5.261 χ^2/NDF : 1.0/3

16.562 ± 2.725 χ^2/NDF : 73.5/21

9.260 ± 1.882 χ^2/NDF : 142.1/45

2.602 ± 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: 9060.180 $\pm$ 3.535 χ^2/NDF : 8573.1/4

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

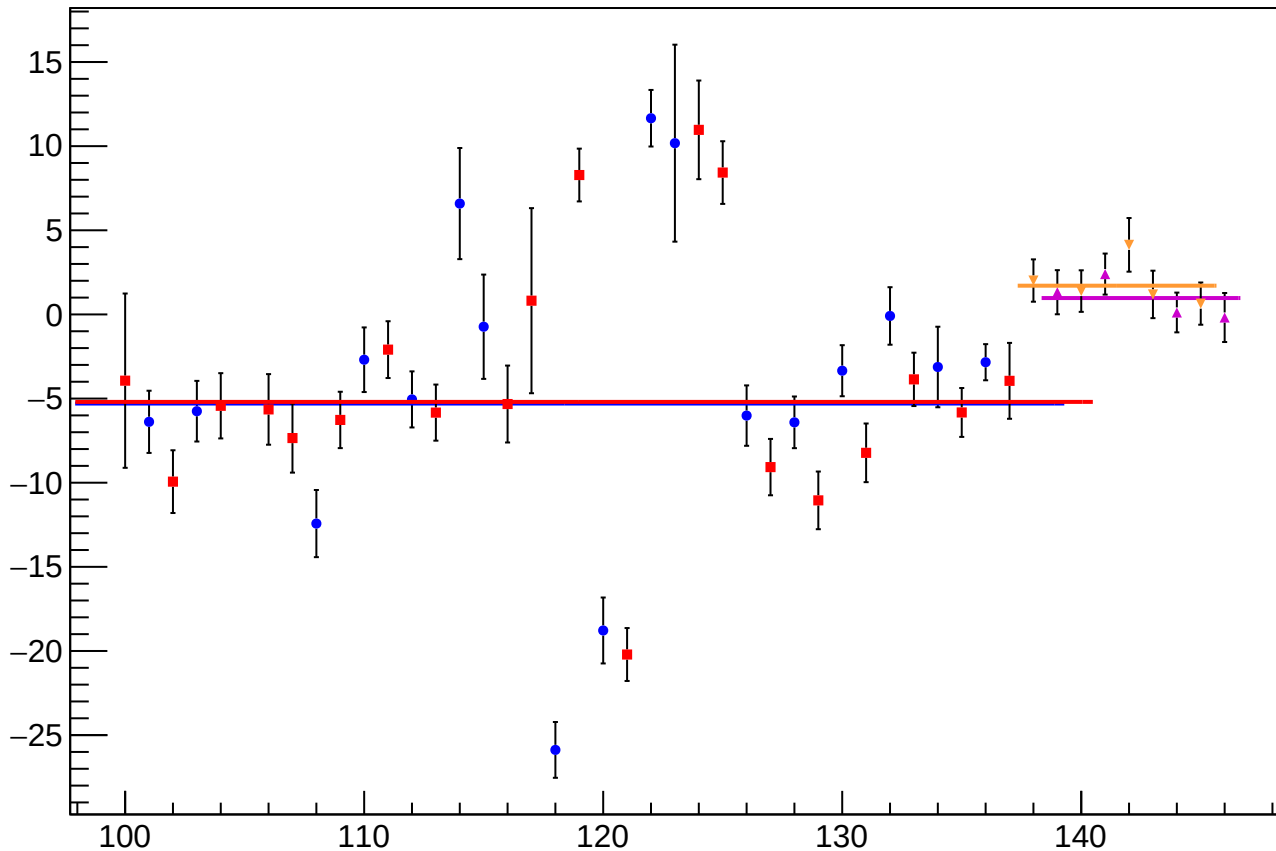
Left In: 9339.126 $\pm$ 3.720 χ^2/NDF : 1526.9/3

8550.168 $\pm$ 1.927 χ^2/NDF : 310498.2/21

8396.067 $\pm$ 1.331 χ^2/NDF : 828162.8/45

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: 1.708±0.596 χ^2/NDF : 3.3/4

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

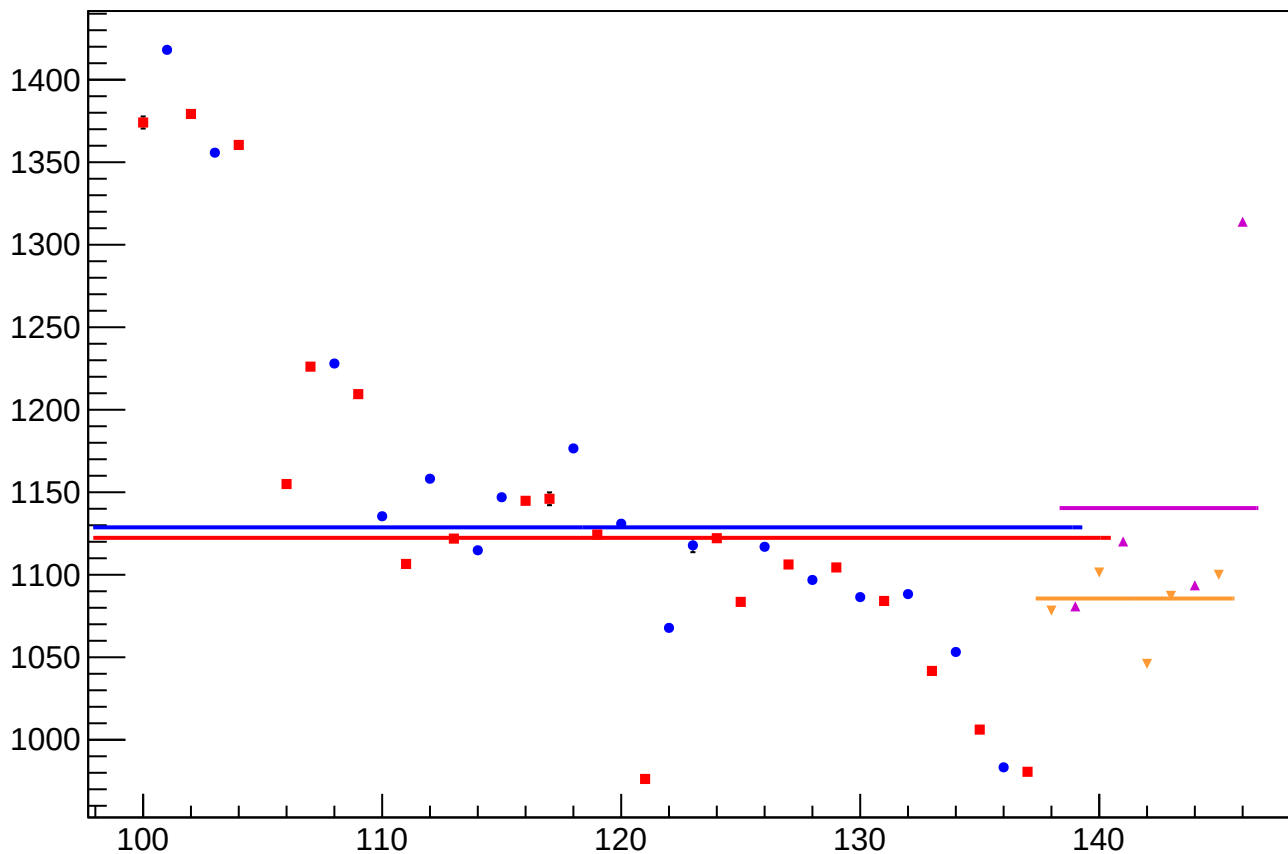
Left In: 0.973±0.640 χ^2/NDF : 2.6/3

-2.845±0.352 χ^2/NDF : 451.3/21

-3.092±0.249 χ^2/NDF : 803.0/45

-3.337±0.351 χ^2/NDF : 350.6/23

diff_bpm0l09Y_rms vs Slug, Sign Corrected



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

Left Out: 1085.624 ± 0.421 χ^2/NDF : 1893.0/4

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

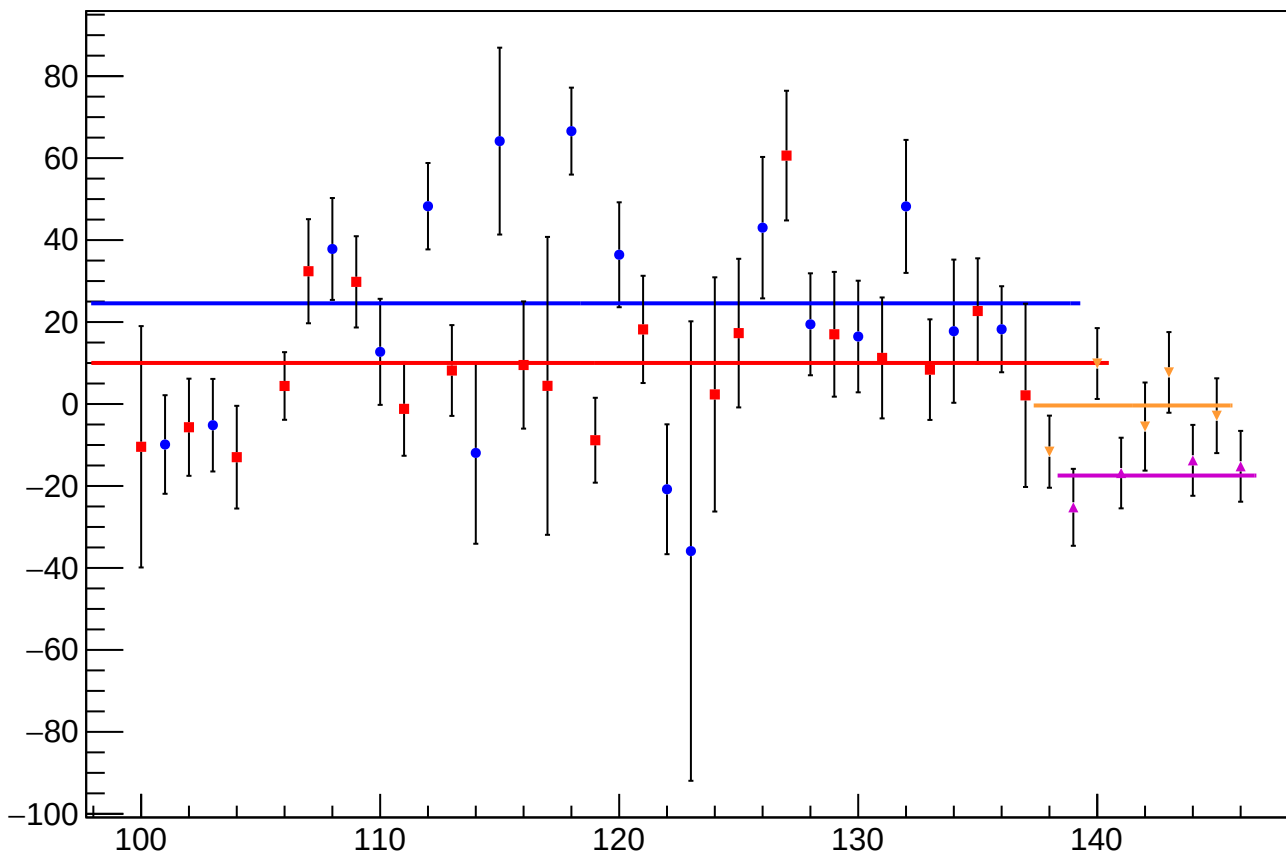
Left In: 1140.416 ± 0.452 χ^2/NDF : 36211.4/3

1113.656 ± 0.249 χ^2/NDF : 141806.1/21

1120.754 ± 0.176 χ^2/NDF : 310386.9/45

1127.816 ± 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: -0.356 $\pm$ 4.178 χ^2/NDF : 4.0/4

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

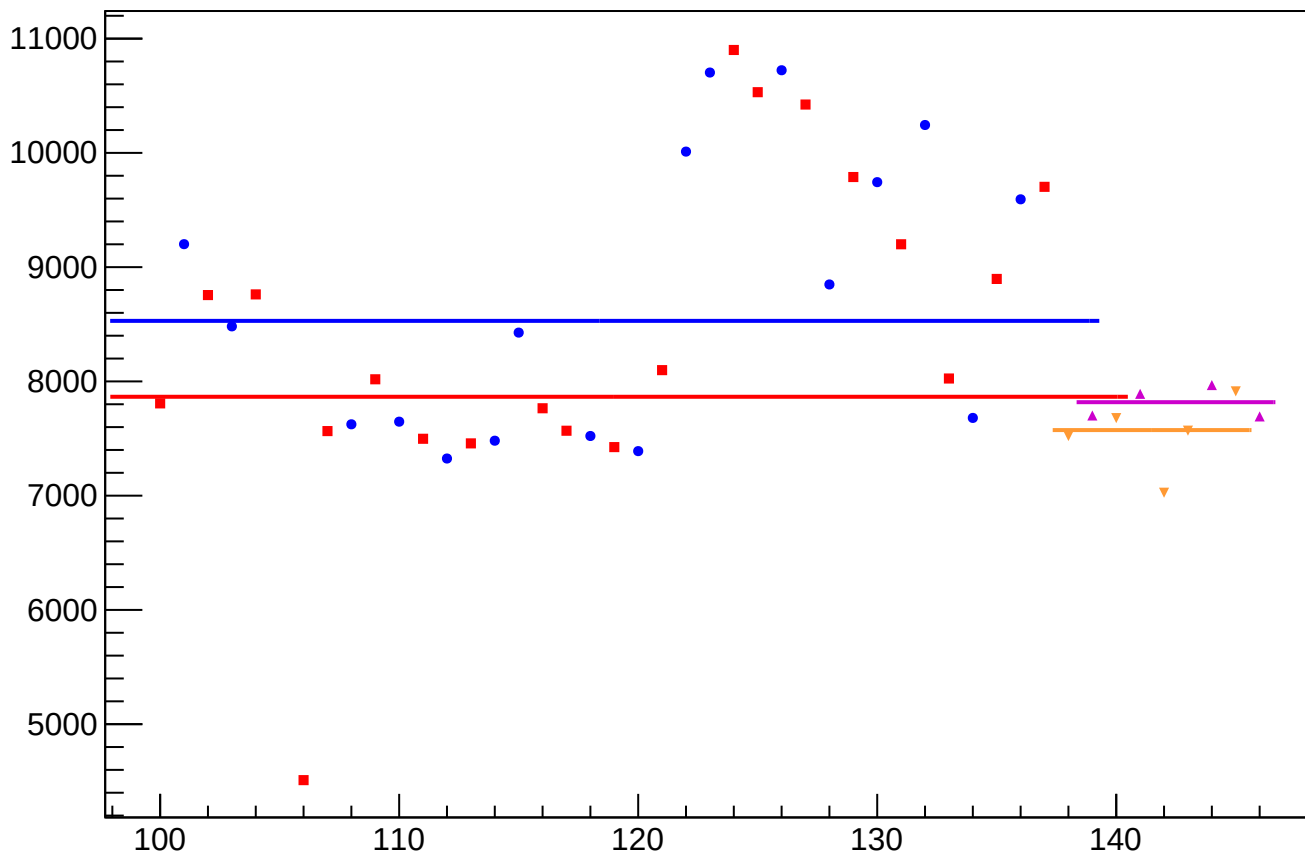
Left In: -17.453 $\pm$ 4.403 χ^2/NDF : 0.9/3

14.928 $\pm$ 2.599 χ^2/NDF : 83.9/21

7.801 $\pm$ 1.793 χ^2/NDF : 154.7/45

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: 7573.992 $\pm$ 2.954 χ^2/NDF : 8323.9/4

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

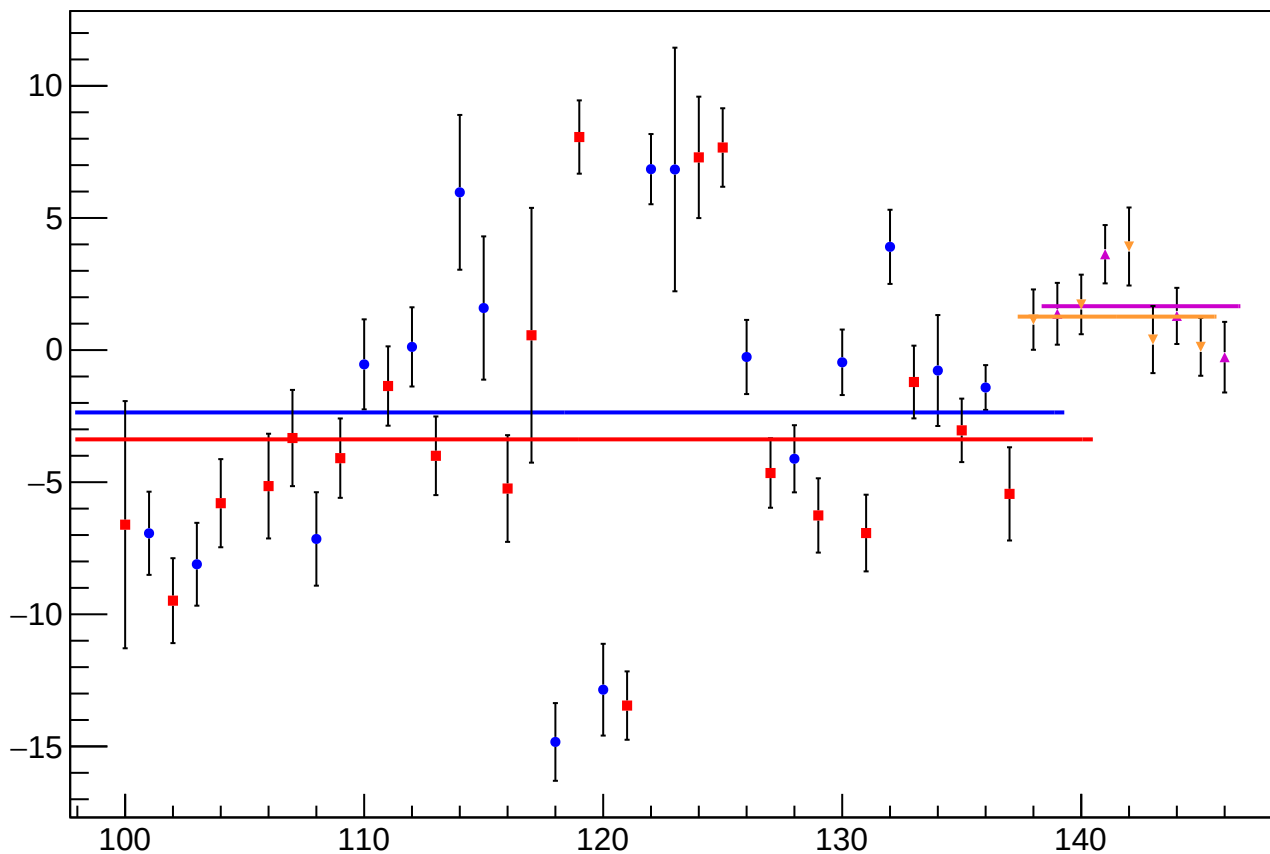
Left In: 7818.165 $\pm$ 3.114 χ^2/NDF : 1468.0/3

8160.119 $\pm$ 1.837 χ^2/NDF : 280841.9/21

7997.973 $\pm$ 1.268 χ^2/NDF : 853312.1/45

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: 1.267 ± 0.537 χ^2/NDF : 5.0/4

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

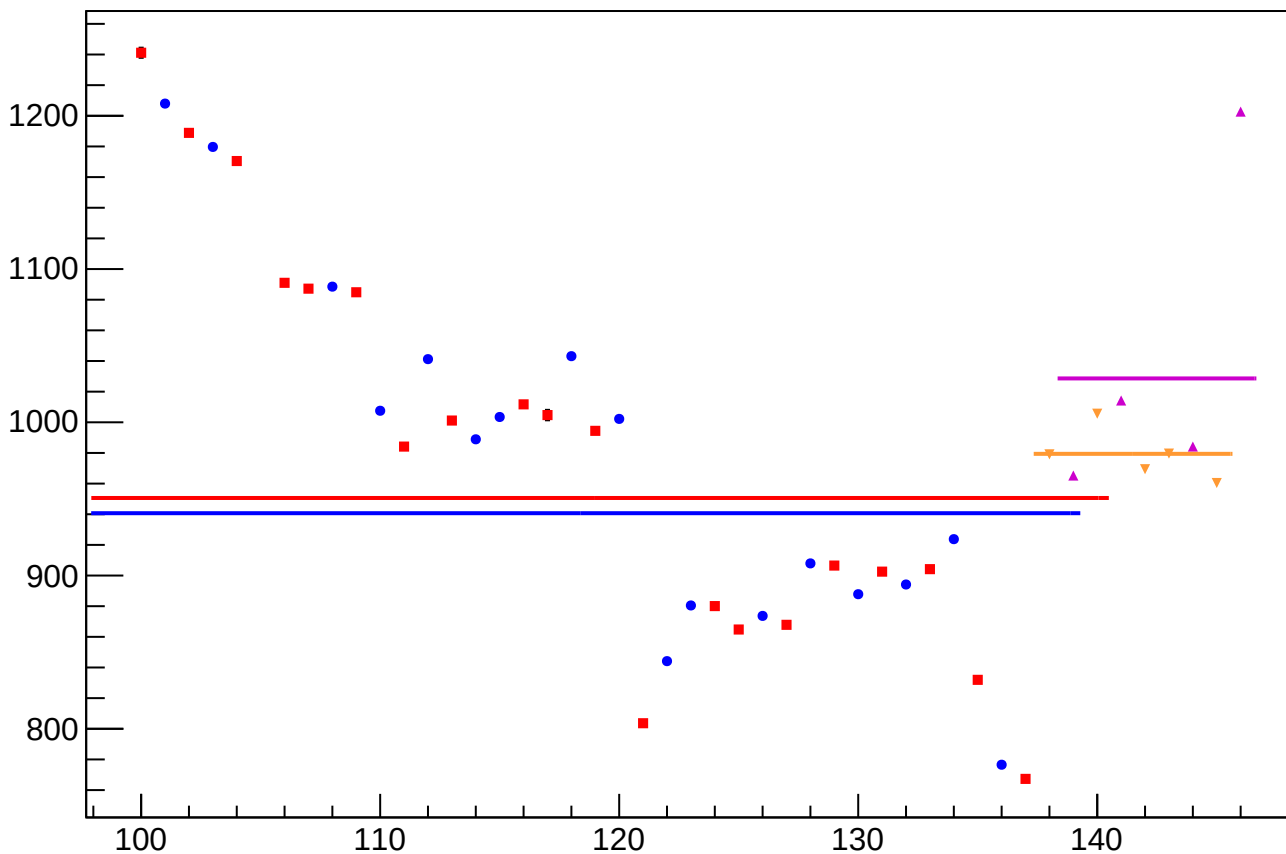
Left In: 1.661 ± 0.578 χ^2/NDF : 5.4/3

-1.212 ± 0.302 χ^2/NDF : 268.1/21

-1.596 ± 0.214 χ^2/NDF : 574.0/45

-1.985 ± 0.304 χ^2/NDF : 302.6/23

diff_bpm0l10Y_rms vs Slug, Sign Corrected



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

Left Out: 979.418+/-0.380 χ^2/NDF : 1777.3/4

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

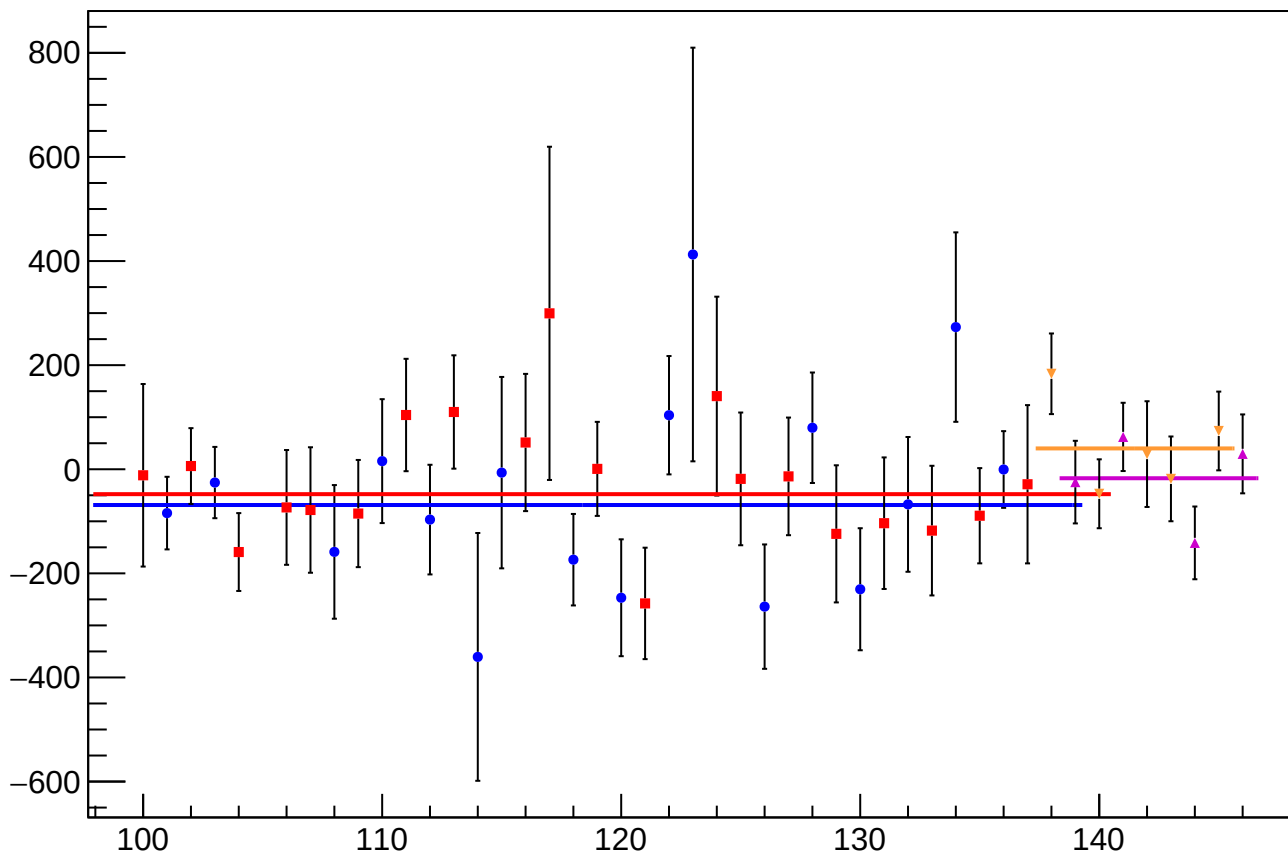
Left In: 1028.624+/-0.408 χ^2/NDF : 43657.9/3

952.945+/-0.214 χ^2/NDF : 250654.5/21

962.519+/-0.152 χ^2/NDF : 545665.3/45

972.194+/-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: 40.020 $\pm$ 34.978 χ^2 /NDF: 5.9/4

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

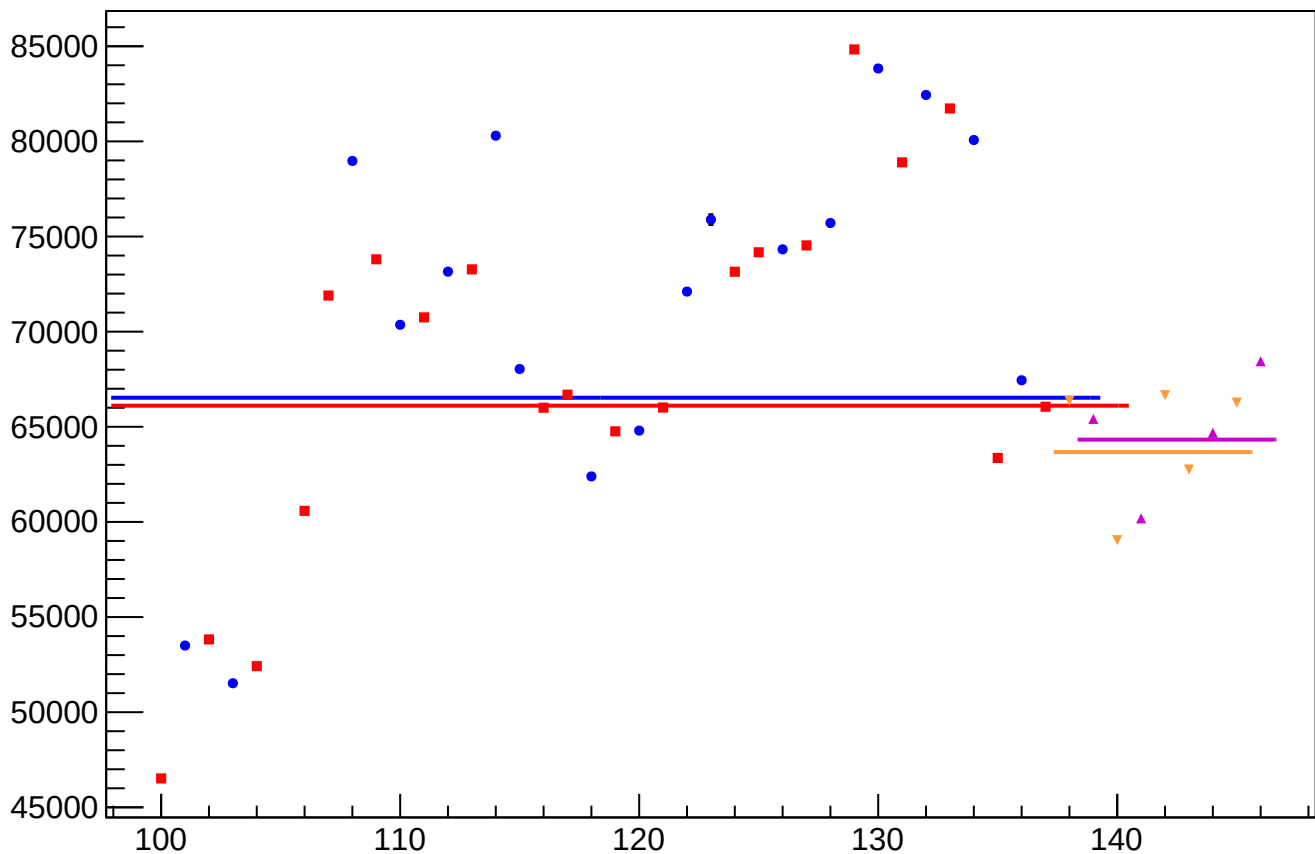
Left In: -17.259 $\pm$ 36.032 χ^2 /NDF: 5.0/3

-30.104 $\pm$ 20.839 χ^2 /NDF: 33.9/21

-34.079 $\pm$ 14.617 χ^2 /NDF: 54.6/45

-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: 63667.091 ± 24.733 χ^2/NDF : 16546.0/4

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

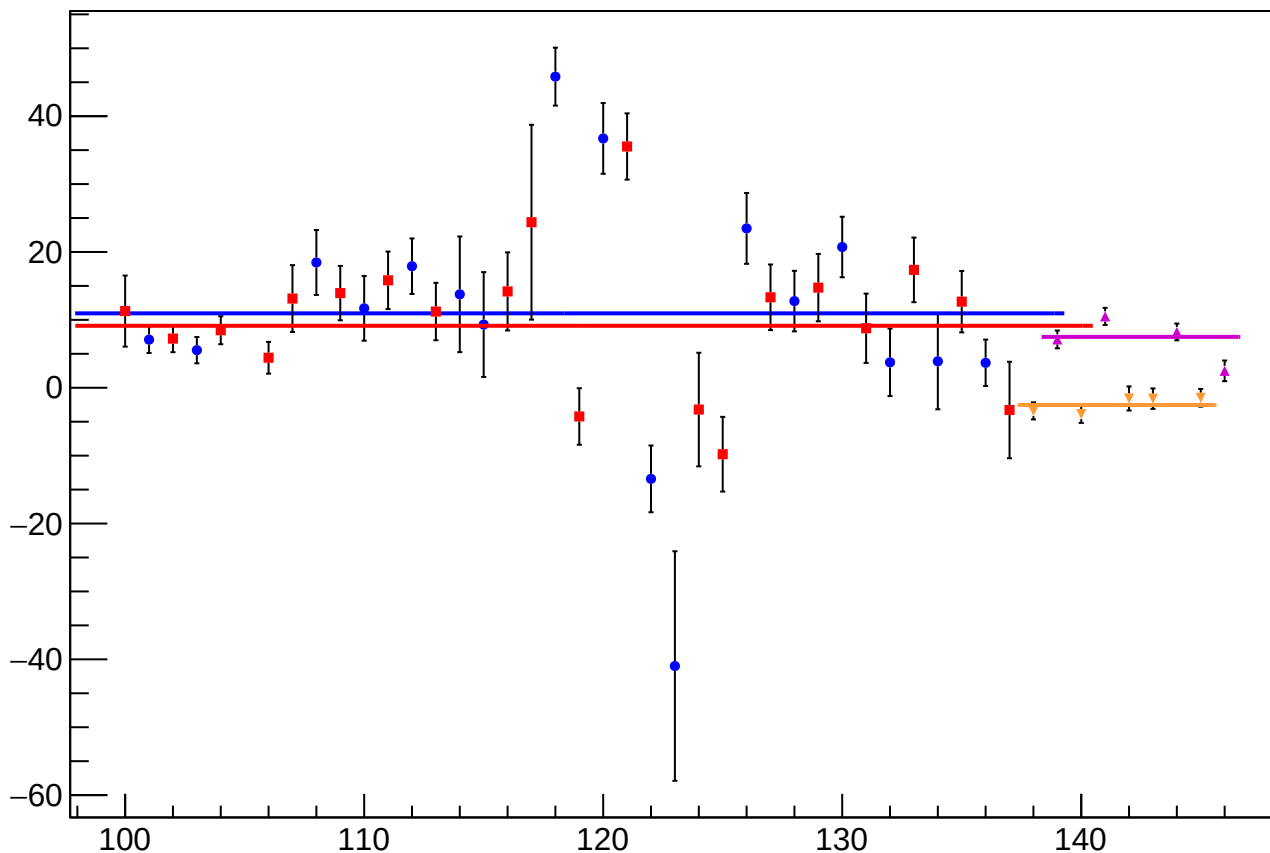
Left In: 64326.395 ± 25.478 χ^2/NDF : 14309.7/3

65512.078 ± 14.735 χ^2/NDF : 346059.5/21

65522.067 ± 10.336 χ^2/NDF : 662172.7/4

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: -2.537+/-0.623 χ^2/NDF : 2.9/4

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

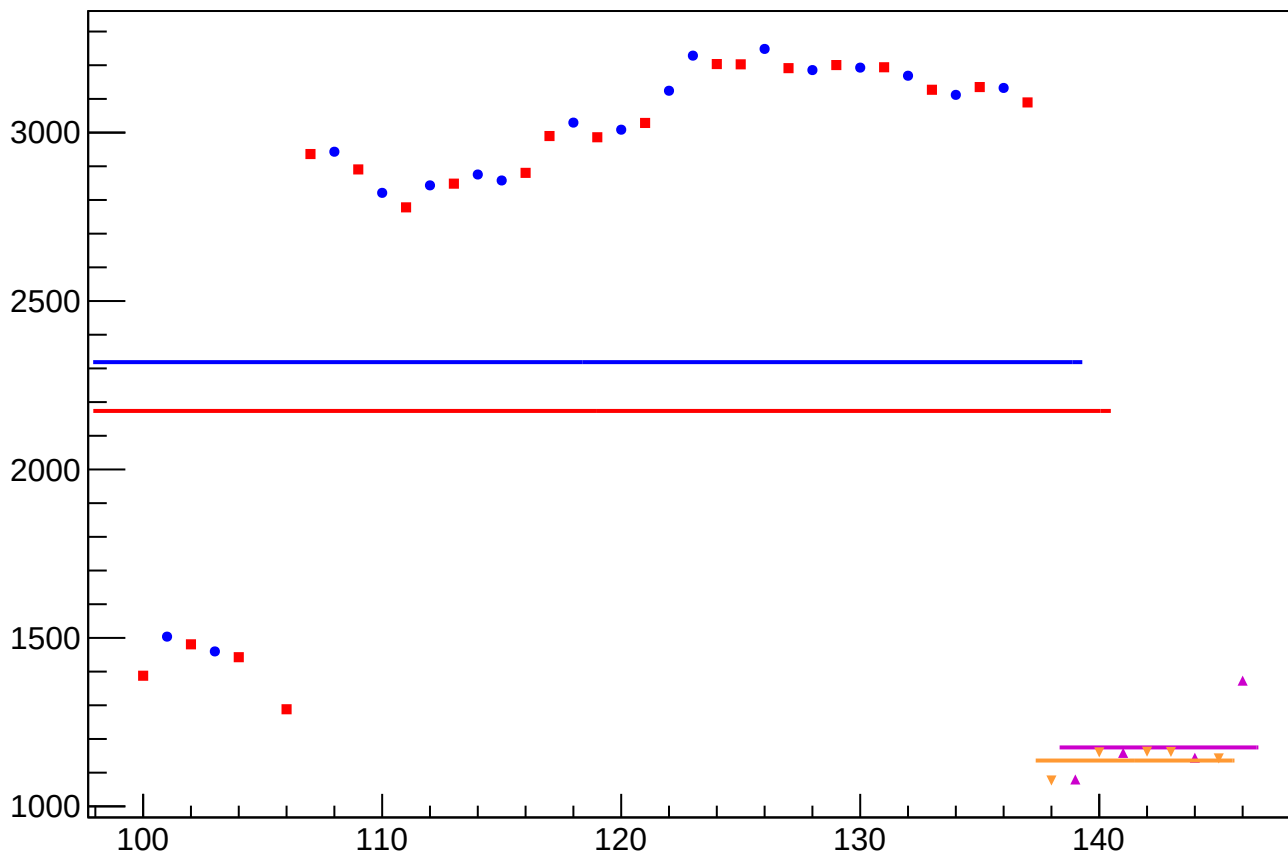
Left In: 7.493+/-0.660 χ^2/NDF : 17.0/3

1.566+/-0.520 χ^2/NDF : 306.3/21

4.803+/-0.369 χ^2/NDF : 477.8/45

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: 1135.998+/-0.441 χ^2/NDF : 6199.2/4

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

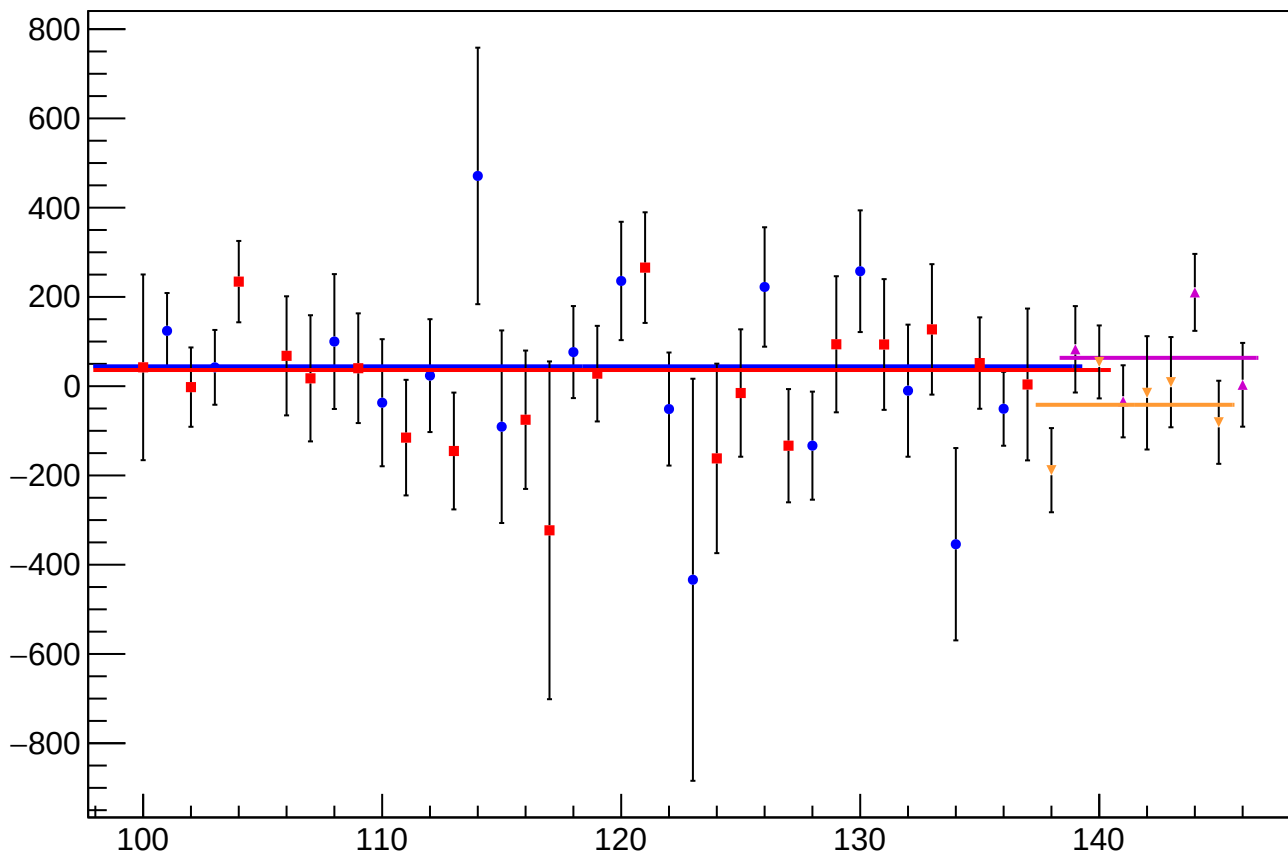
Left In: 1174.898+/-0.466 χ^2/NDF : 46055.3/3

1495.573+/-0.368 χ^2/NDF : 3602825.4/21

1518.720+/-0.261 χ^2/NDF : 7104051.4/45

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

diff_bpm0r05X_mean vs Slug, Sign Corrected



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

Left Out: -41.691 $\pm$ 43.137 χ^2/NDF : 4.3/4

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

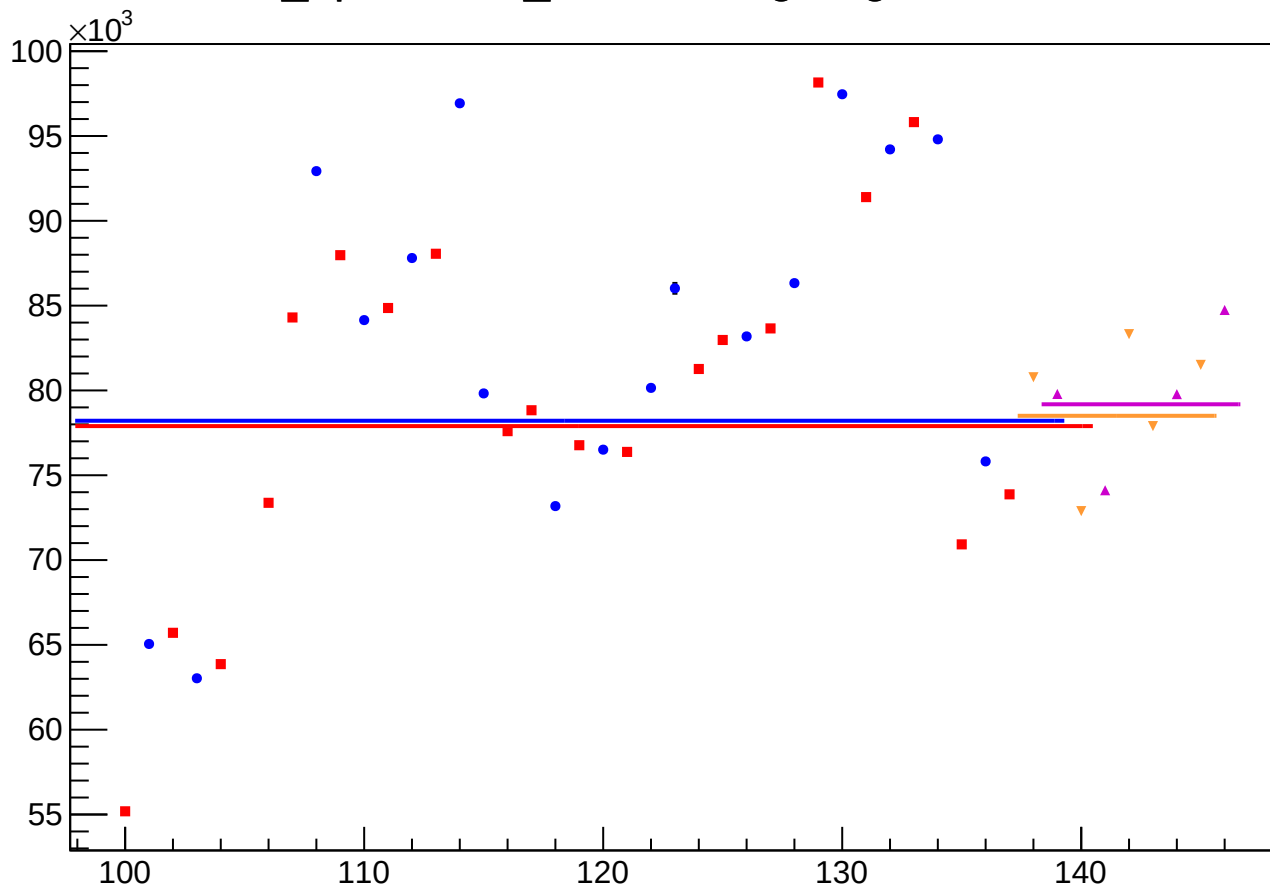
Left In: 63.492 $\pm$ 44.363 χ^2/NDF : 4.8/3

15.848 $\pm$ 24.867 χ^2/NDF : 26.0/21

30.423 $\pm$ 17.444 χ^2/NDF : 48.4/45

44.543 $\pm$ 24.476 χ^2/NDF : 21.7/23

diff_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 78213.025 ± 21.519 $\chi^2/\text{NDF}: 251056.7/16$

Left Out: 78504.879 ± 30.503 $\chi^2/\text{NDF}: 15642.0/4$

Right Out: 77897.594 ± 20.751 $\chi^2/\text{NDF}: 246982.5/19$

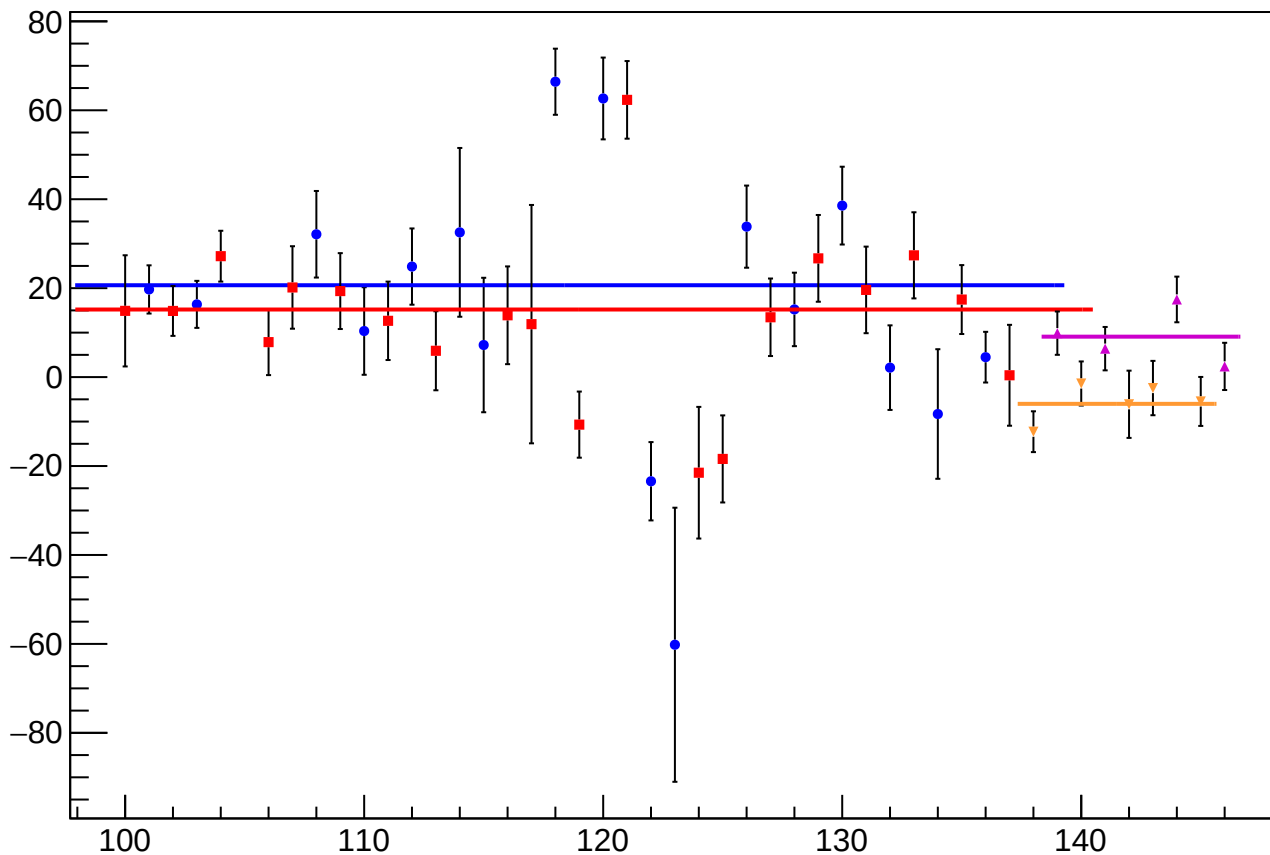
Left In: 79183.648 ± 31.370 $\chi^2/\text{NDF}: 15071.6/3$

78310.008 ± 17.583 $\chi^2/\text{NDF}: 266759.8/21$

78299.364 ± 12.334 $\chi^2/\text{NDF}: 529983.7/4$

78289.052 ± 17.307 $\chi^2/\text{NDF}: 263223.2/23$

diff_bpm0r05Y_mean vs Slug, Sign Corrected



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

Left Out: -6.017 $\pm$ 2.459 χ^2 /NDF: 3.1/4

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

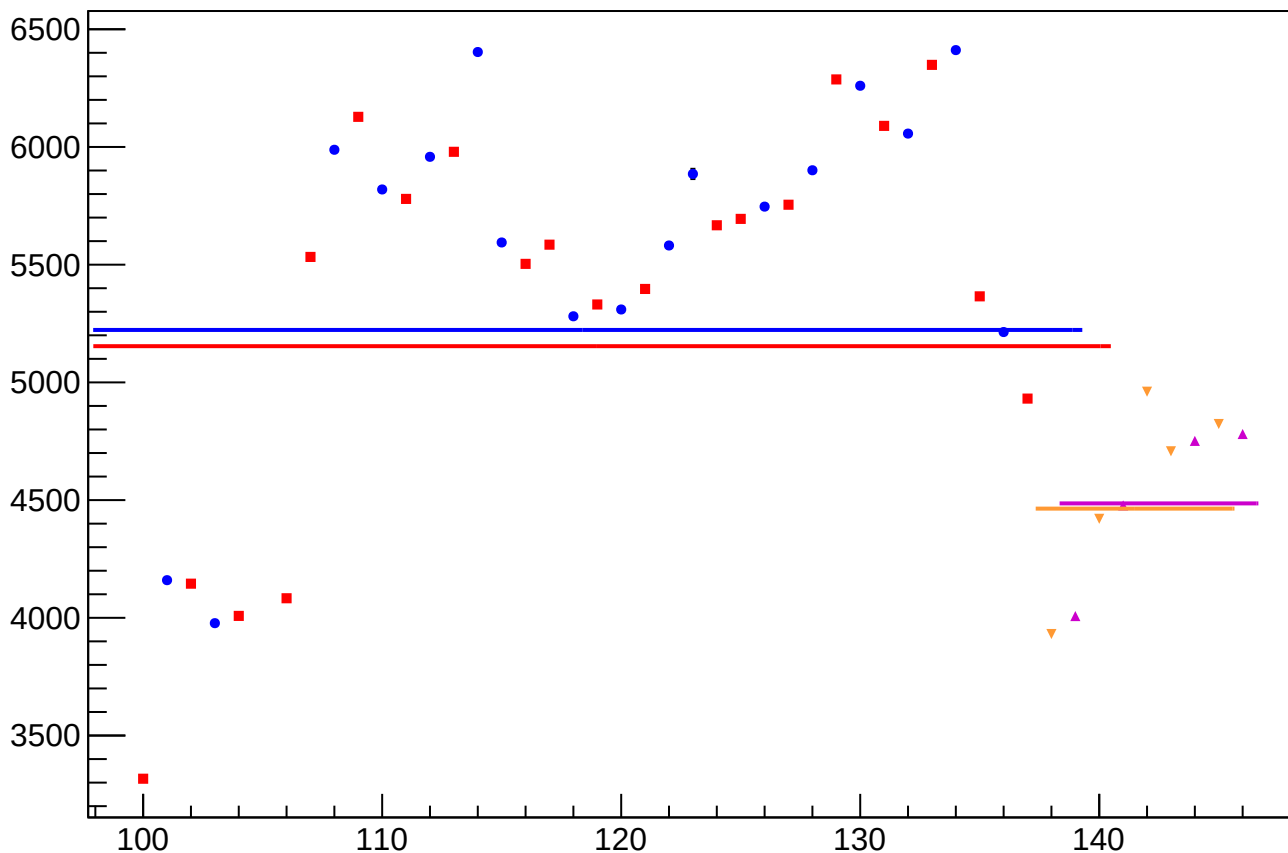
Left In: 9.093 $\pm$ 2.519 χ^2 /NDF: 4.6/3

9.807 $\pm$ 1.568 χ^2 /NDF: 190.6/21

11.386 $\pm$ 1.099 χ^2 /NDF: 272.2/45

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: 4463.835 $\pm$ 1.739 χ^2 /NDF: 47430.6/4

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

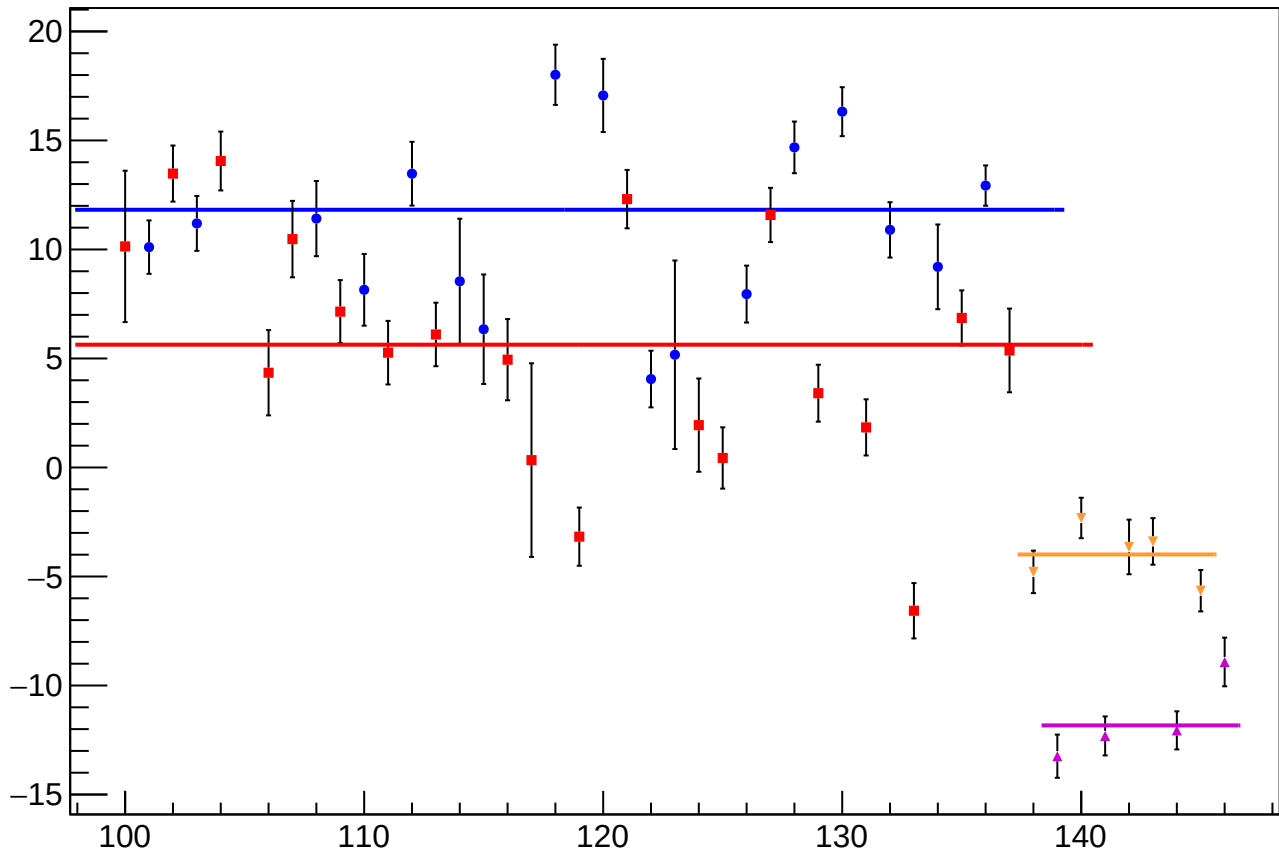
Left In: 4486.022 $\pm$ 1.781 χ^2 /NDF: 30831.6/3

4914.064 $\pm$ 1.109 χ^2 /NDF: 472978.4/21

4908.780 $\pm$ 0.777 χ^2 /NDF: 979967.5/45

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: -3.989 $\pm$ 0.455 χ^2/NDF : 7.4/4

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

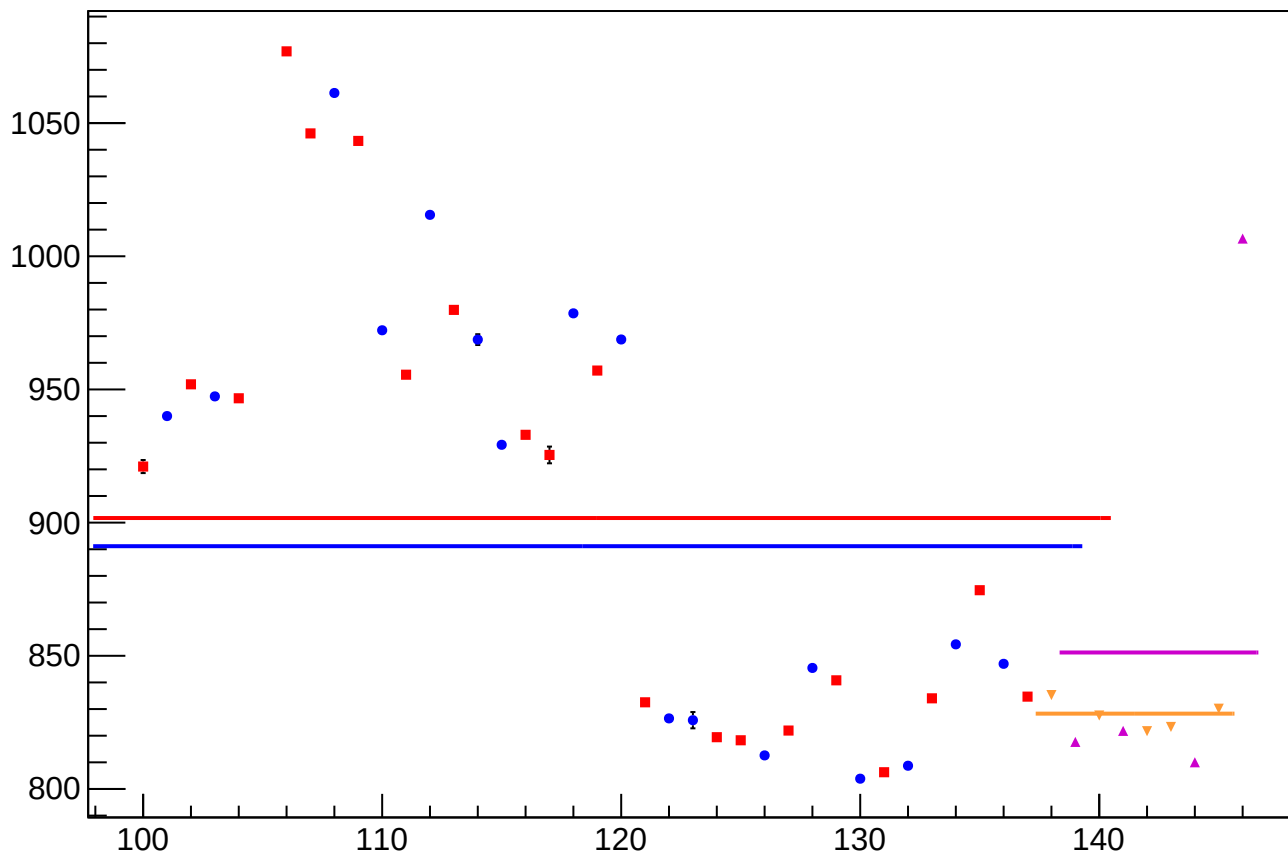
Left In: -11.830 $\pm$ 0.478 χ^2/NDF : 9.2/3

6.053 $\pm$ 0.275 χ^2/NDF : 892.8/21

2.948 $\pm$ 0.195 χ^2/NDF : 2351.6/45

-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: 828.281 $\pm$ 0.321 χ^2/NDF : 210.4/4

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

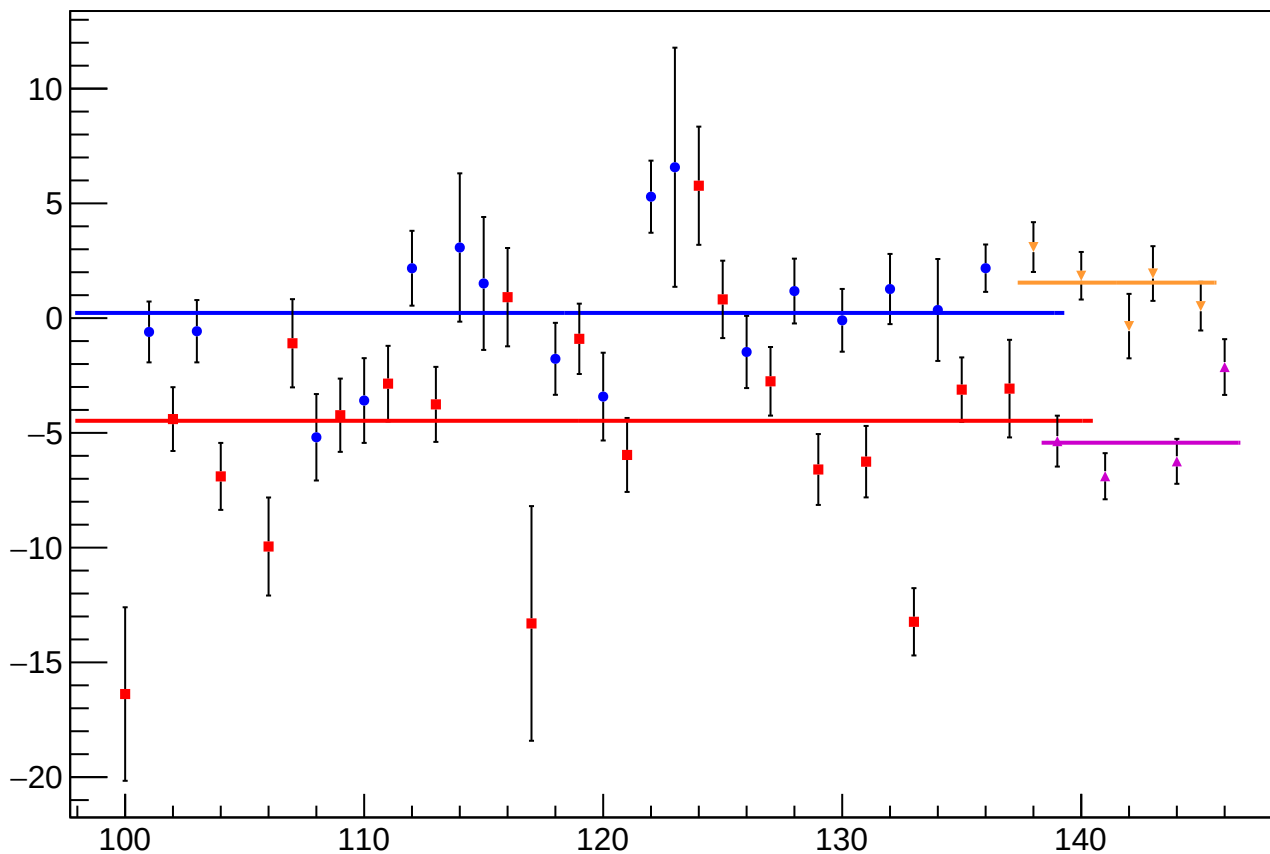
Left In: 851.241 $\pm$ 0.338 χ^2/NDF : 47733.7/3

868.212 $\pm$ 0.194 χ^2/NDF : 126170.2/21

876.532 $\pm$ 0.138 χ^2/NDF : 307138.7/45

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

diff_bpm2i01Y_mean vs Slug, Sign Corrected



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

Left Out: 1.547 ± 0.508 χ^2/NDF : 5.0/4

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

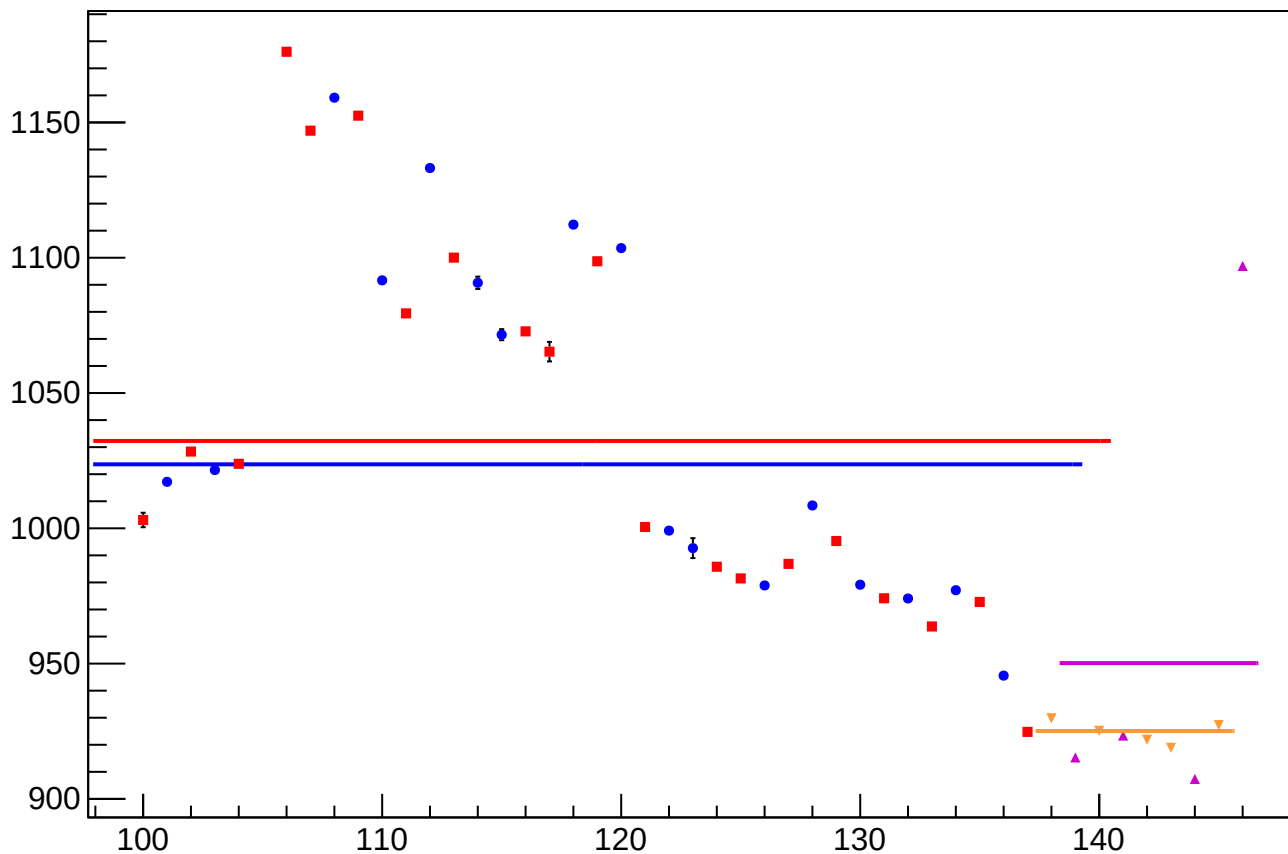
Left In: -5.429 ± 0.533 χ^2/NDF : 10.2/3

0.725 ± 0.312 χ^2/NDF : 47.7/21

-2.033 ± 0.221 χ^2/NDF : 323.2/45

-4.802 ± 0.312 χ^2/NDF : 118.6/23

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 1023.655+/-0.279 χ^2/NDF : 52373.8/16

Left Out: 925.091+/-0.359 χ^2/NDF : 111.4/4

Right Out: 1032.296+/-0.273 χ^2/NDF : 59475.4/19

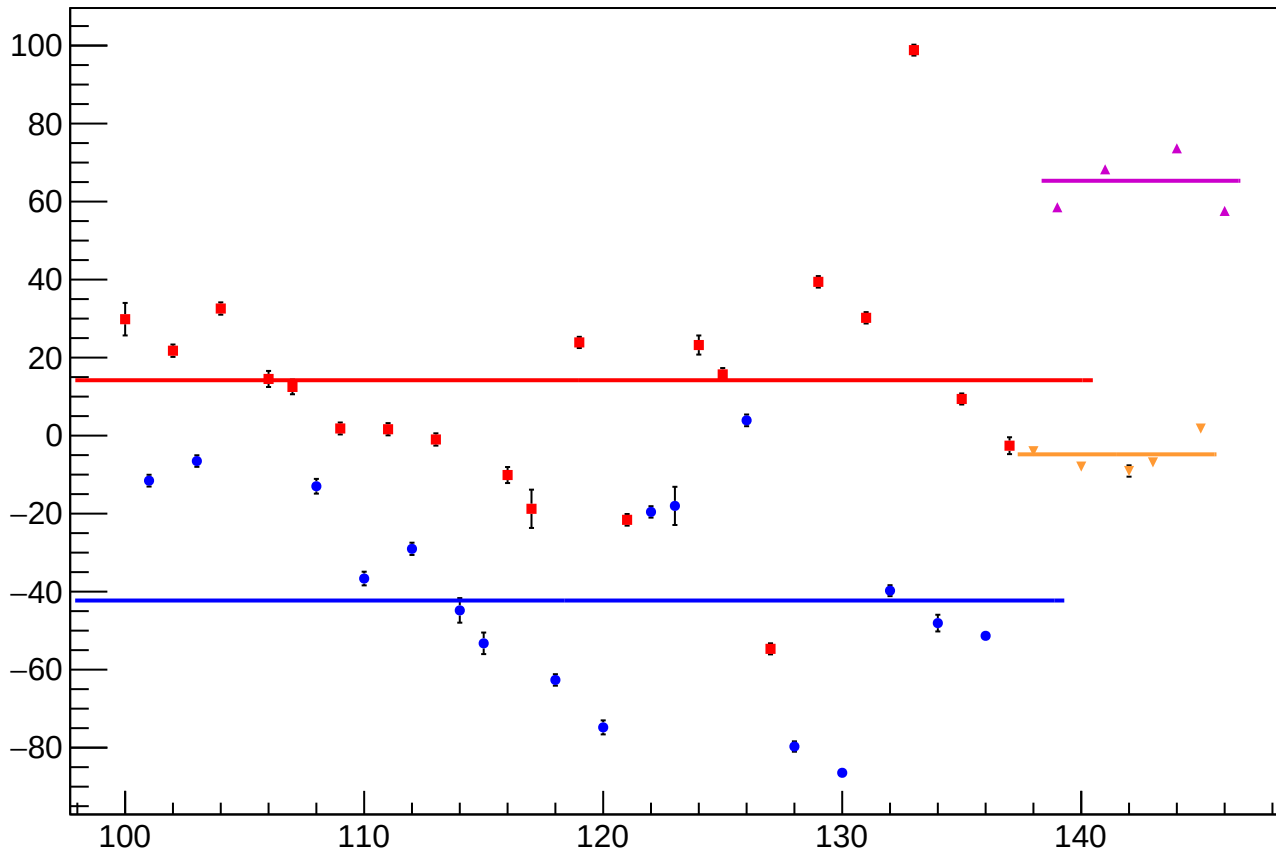
Left In: 950.179+/-0.377 χ^2/NDF : 36405.7/3

986.478+/-0.220 χ^2/NDF : 99458.1/21

995.254+/-0.156 χ^2/NDF : 229694.1/45

1004.066+/-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: -4.802 ± 0.521 χ^2/NDF : 56.9/4

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

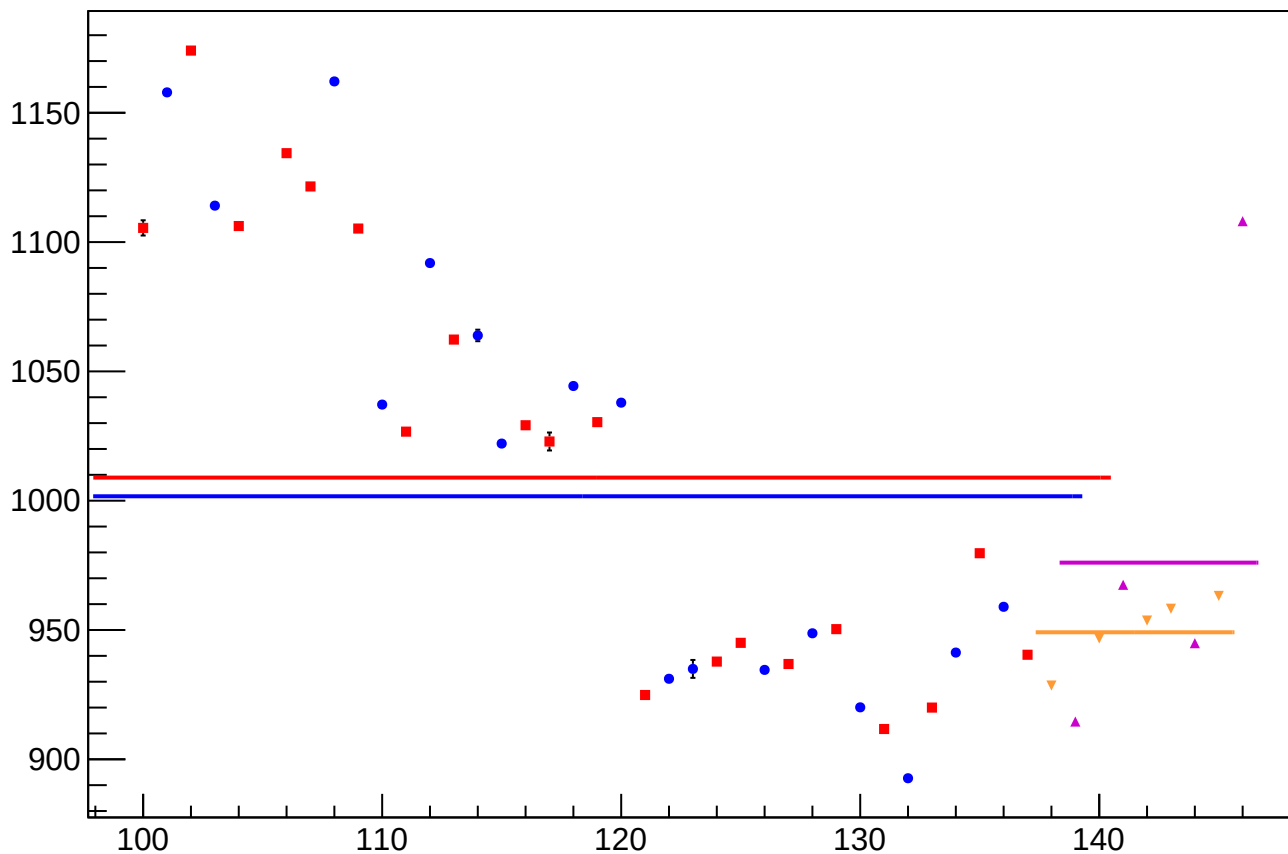
Left In: 65.333 ± 0.547 χ^2/NDF : 151.6/3

-28.933 ± 0.311 χ^2/NDF : 8521.1/21

0.880 ± 0.220 χ^2/NDF : 40728.5/45

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: 949.117 $\pm$ 0.368 χ^2 /NDF: 1187.9/4

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

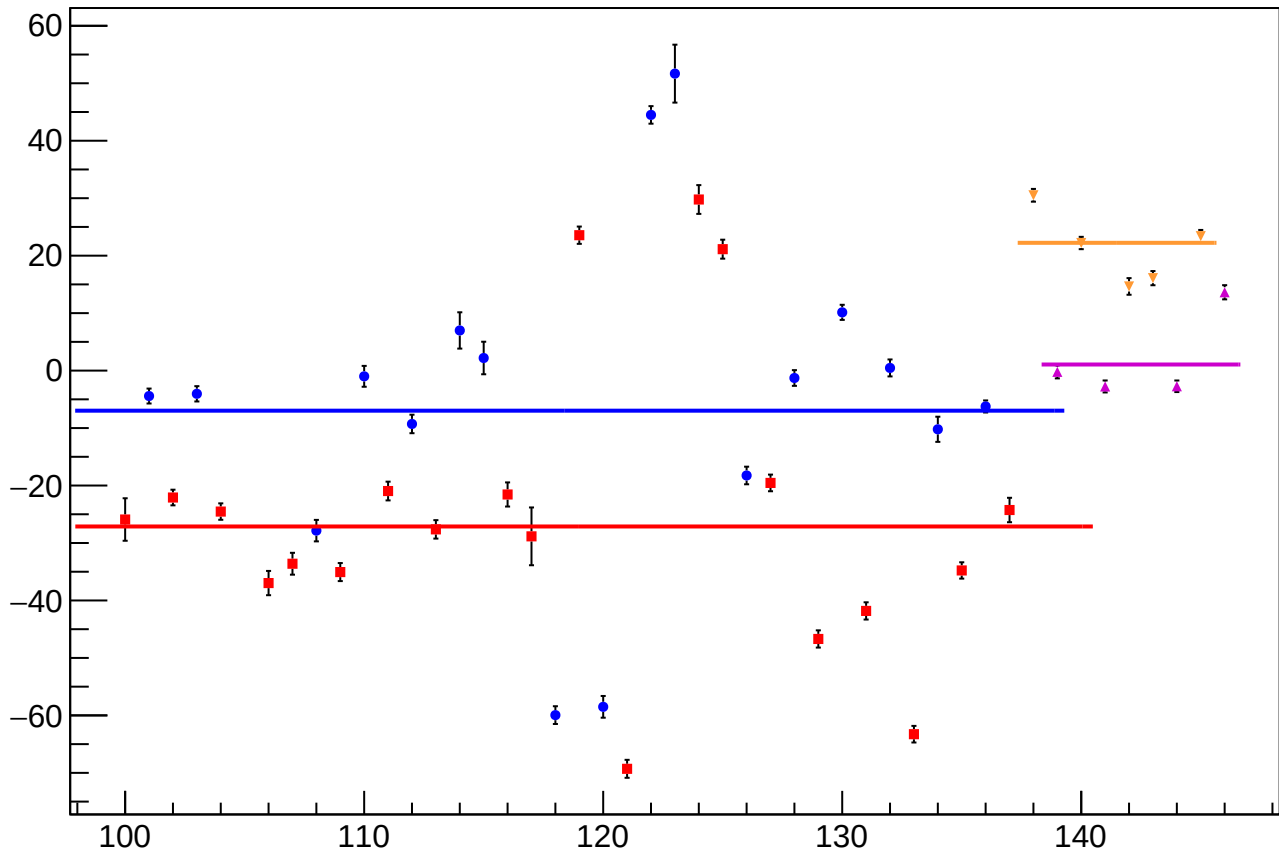
Left In: 976.048 $\pm$ 0.387 χ^2 /NDF: 31311.0/3

982.979 $\pm$ 0.220 χ^2 /NDF: 109810.7/21

990.654 $\pm$ 0.155 χ^2 /NDF: 243826.9/45

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

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.974 ± 0.388 $\chi^2/\text{NDF}: 3636.9/16$

Left Out: 22.236 ± 0.522 $\chi^2/\text{NDF}: 108.9/4$

Right Out: -27.125 ± 0.379 $\chi^2/\text{NDF}: 4283.6/19$

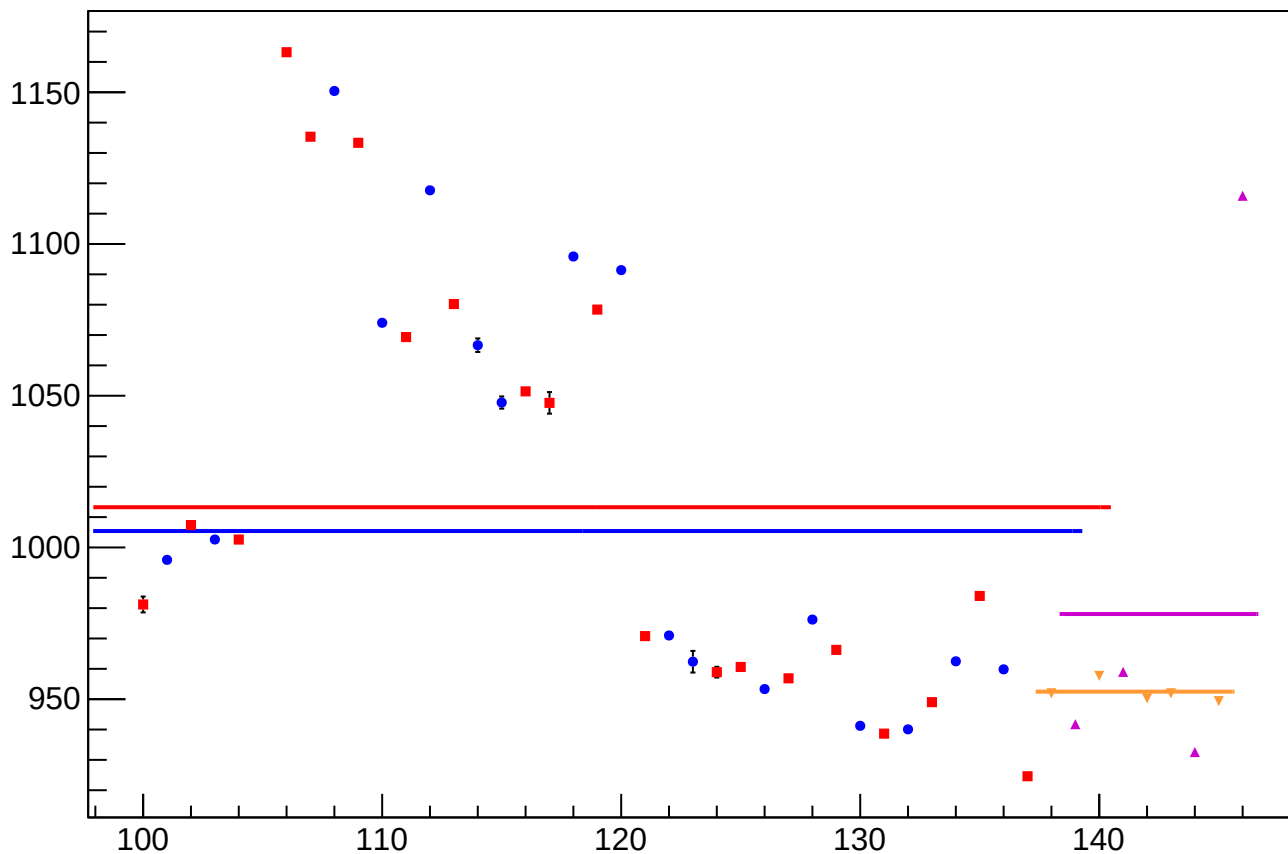
Left In: 1.061 ± 0.548 $\chi^2/\text{NDF}: 132.3/3$

3.407 ± 0.311 $\chi^2/\text{NDF}: 5760.5/21$

-7.310 ± 0.220 $\chi^2/\text{NDF}: 14333.9/45$

-18.025 ± 0.311 $\chi^2/\text{NDF}: 6206.2/23$

diff_bpm2i02Y_rms vs Slug, Sign Corrected



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

Left Out: 952.485 $\pm$ 0.369 χ^2/NDF : 69.2/4

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

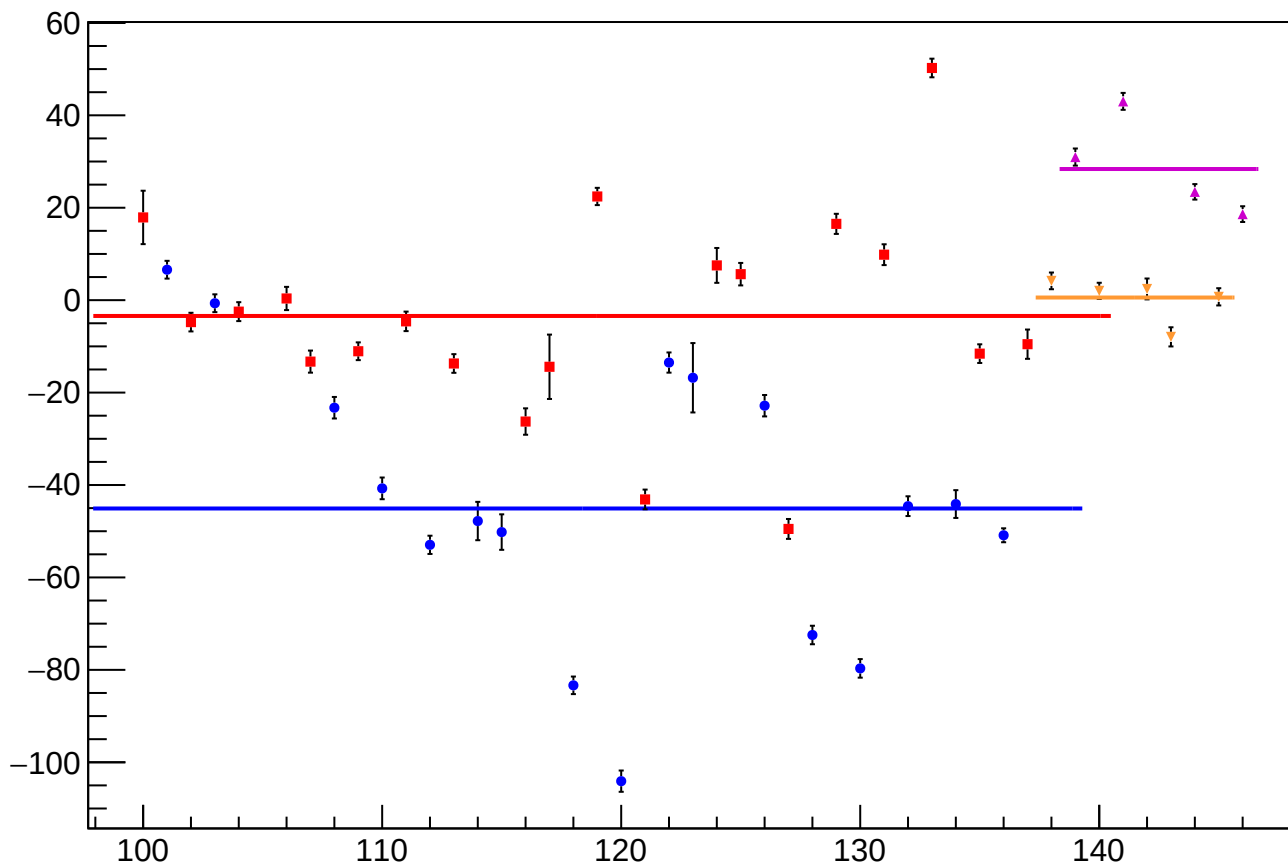
Left In: 978.060 $\pm$ 0.388 χ^2/NDF : 31651.6/3

986.601 $\pm$ 0.220 χ^2/NDF : 67882.3/21

994.248 $\pm$ 0.156 χ^2/NDF : 170889.1/45

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: 0.570 ± 0.861 χ^2/NDF : 22.2/4

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

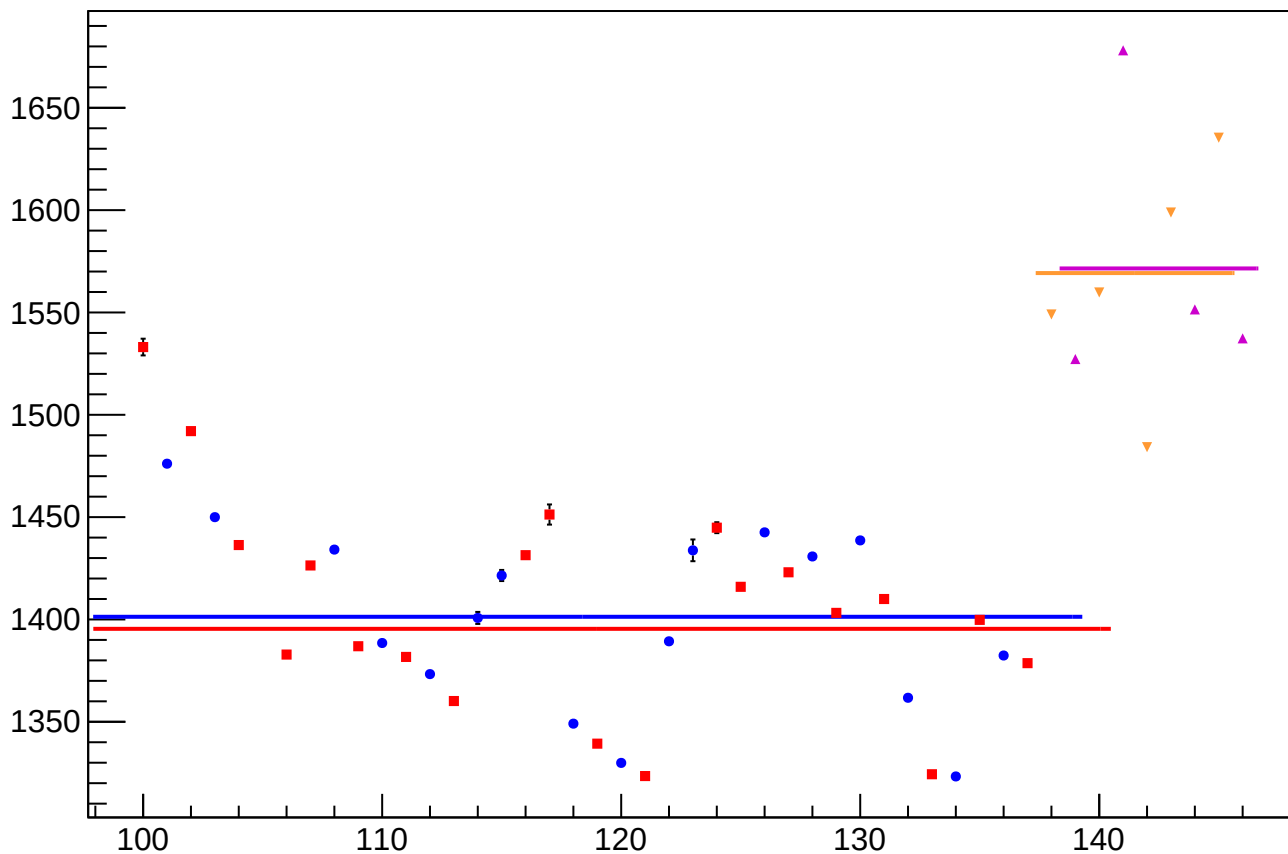
Left In: 28.380 ± 0.880 χ^2/NDF : 107.4/3

-32.207 ± 0.457 χ^2/NDF : 5277.9/21

-13.315 ± 0.320 χ^2/NDF : 11704.7/45

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: 1569.252 $\pm$ 0.609 χ^2/NDF : 6063.8/4

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

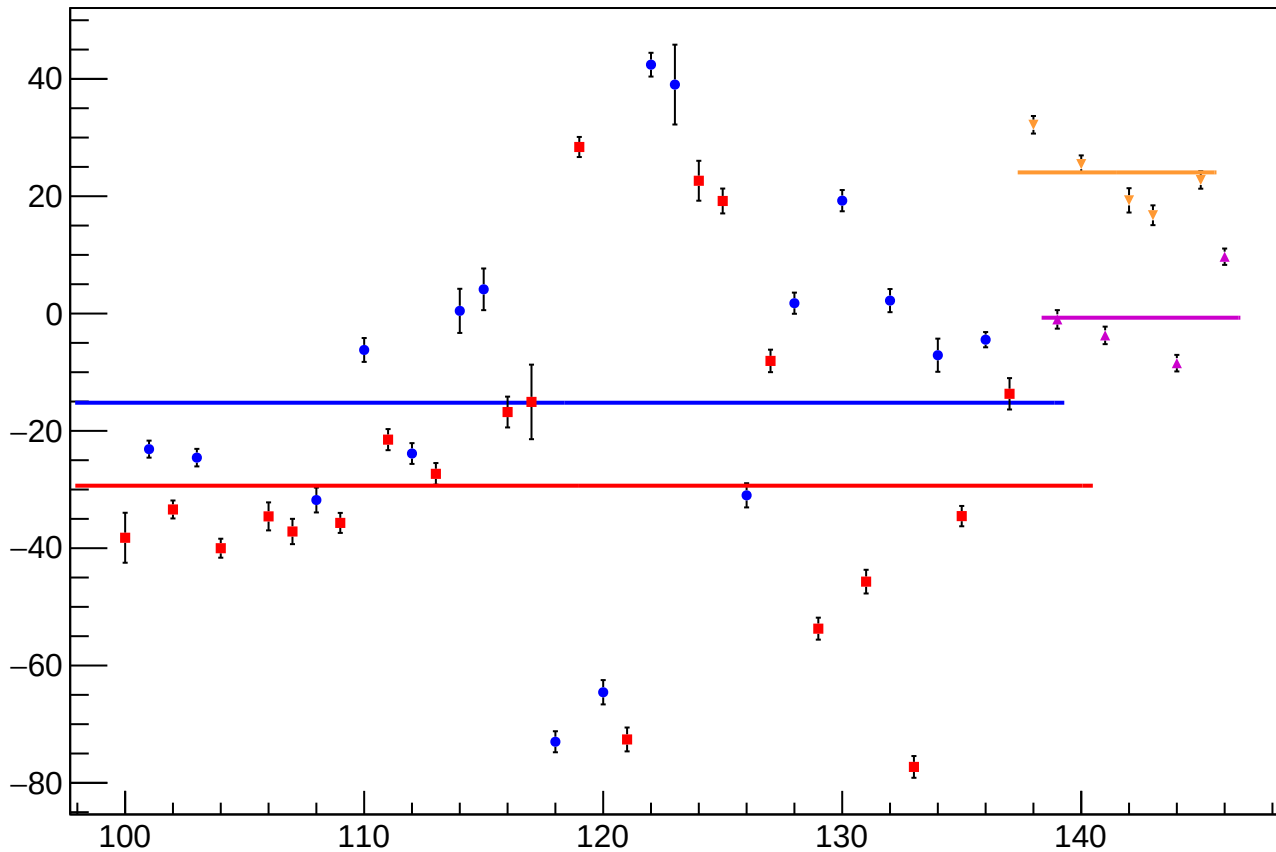
Left In: 1571.510 $\pm$ 0.623 χ^2/NDF : 9007.7/3

1448.668 $\pm$ 0.323 χ^2/NDF : 73531.8/21

1444.758 $\pm$ 0.226 χ^2/NDF : 157769.4/45

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: 24.060 $\pm$ 0.719 χ^2/NDF : 55.0/4

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

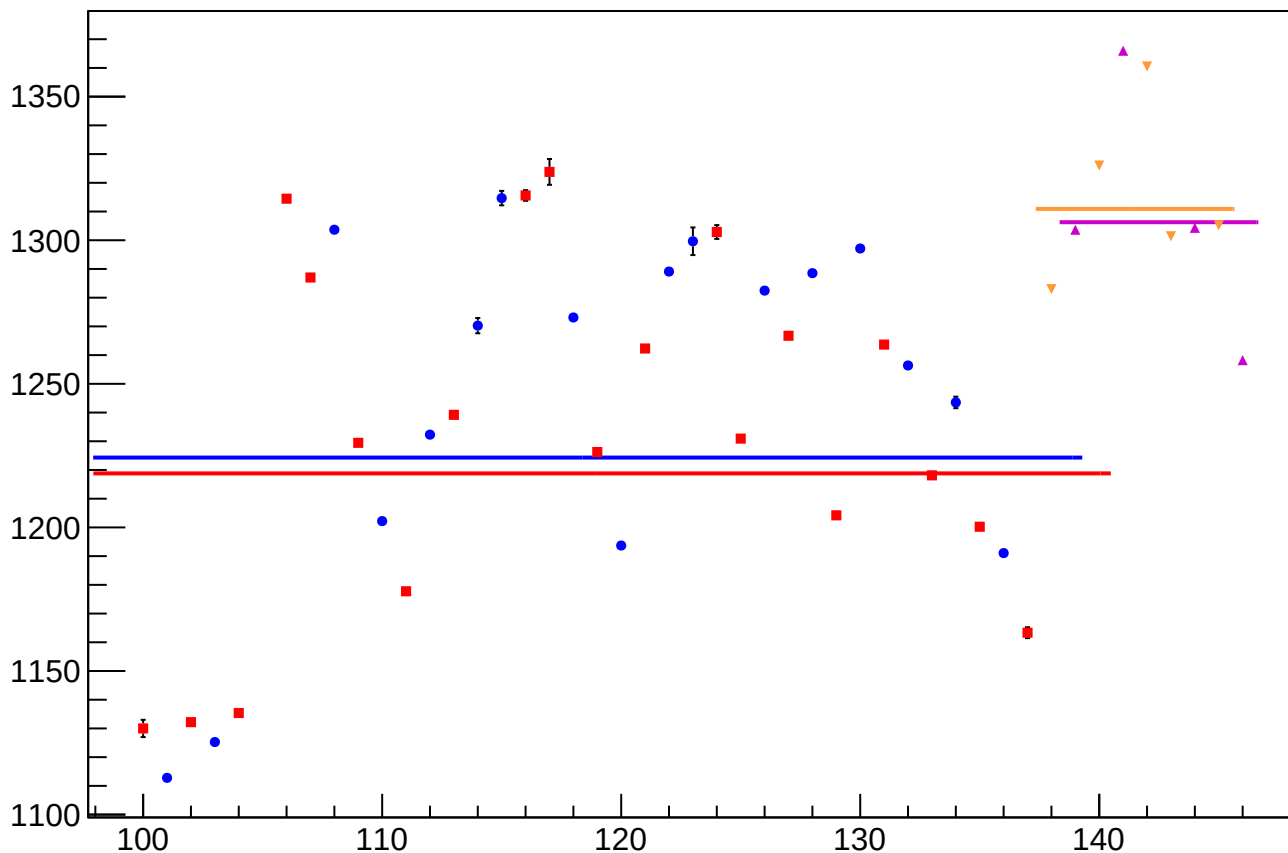
Left In: -0.709 $\pm$ 0.732 χ^2/NDF : 90.0/3

-3.377 $\pm$ 0.395 χ^2/NDF : 5500.4/21

-12.558 $\pm$ 0.276 χ^2/NDF : 11304.6/45

-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: 1310.919 $\pm$ 0.509 χ^2/NDF : 2139.3/4

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

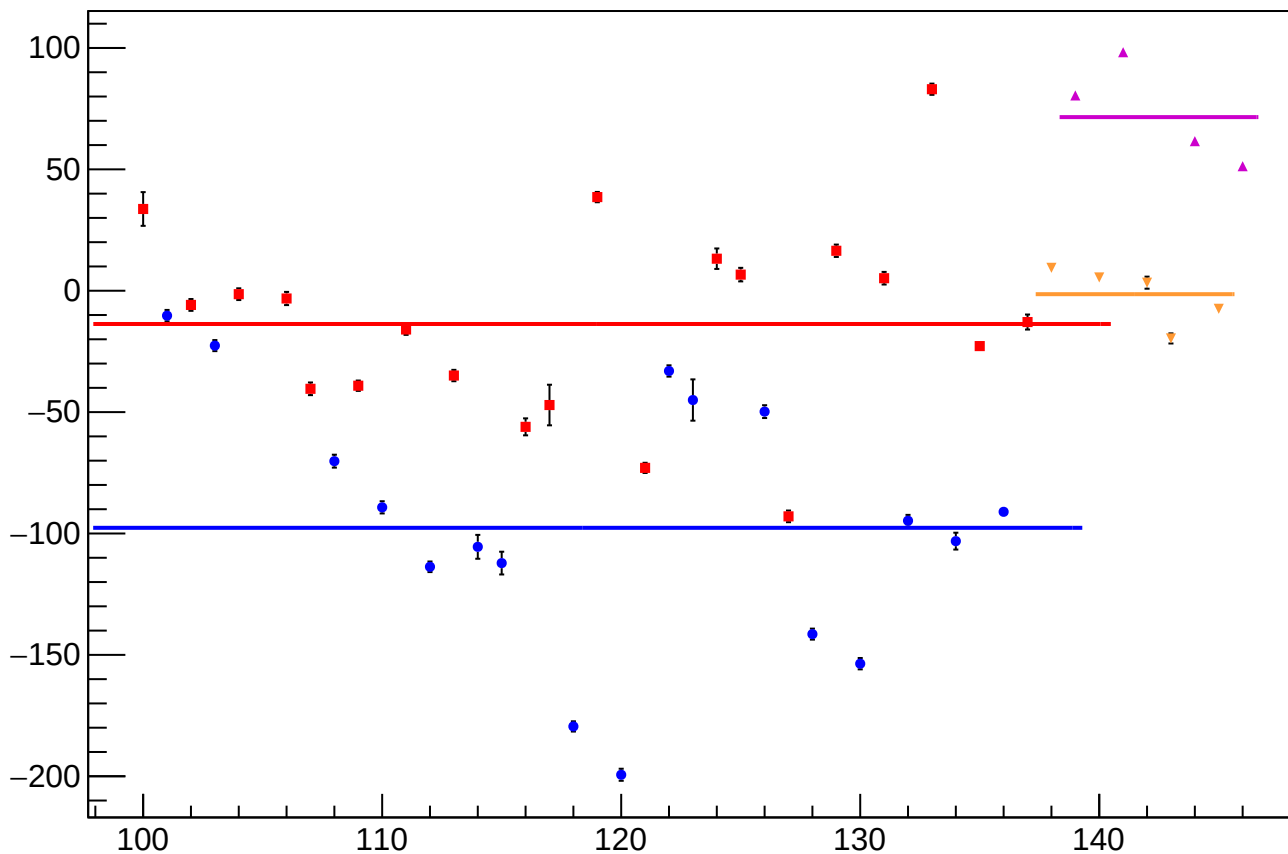
Left In: 1306.274 $\pm$ 0.517 χ^2/NDF : 5589.0/3

1250.401 $\pm$ 0.279 χ^2/NDF : 61183.7/21

1246.726 $\pm$ 0.195 χ^2/NDF : 115835.9/45

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: -1.420+/-0.890 χ^2/NDF : 138.1/4

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

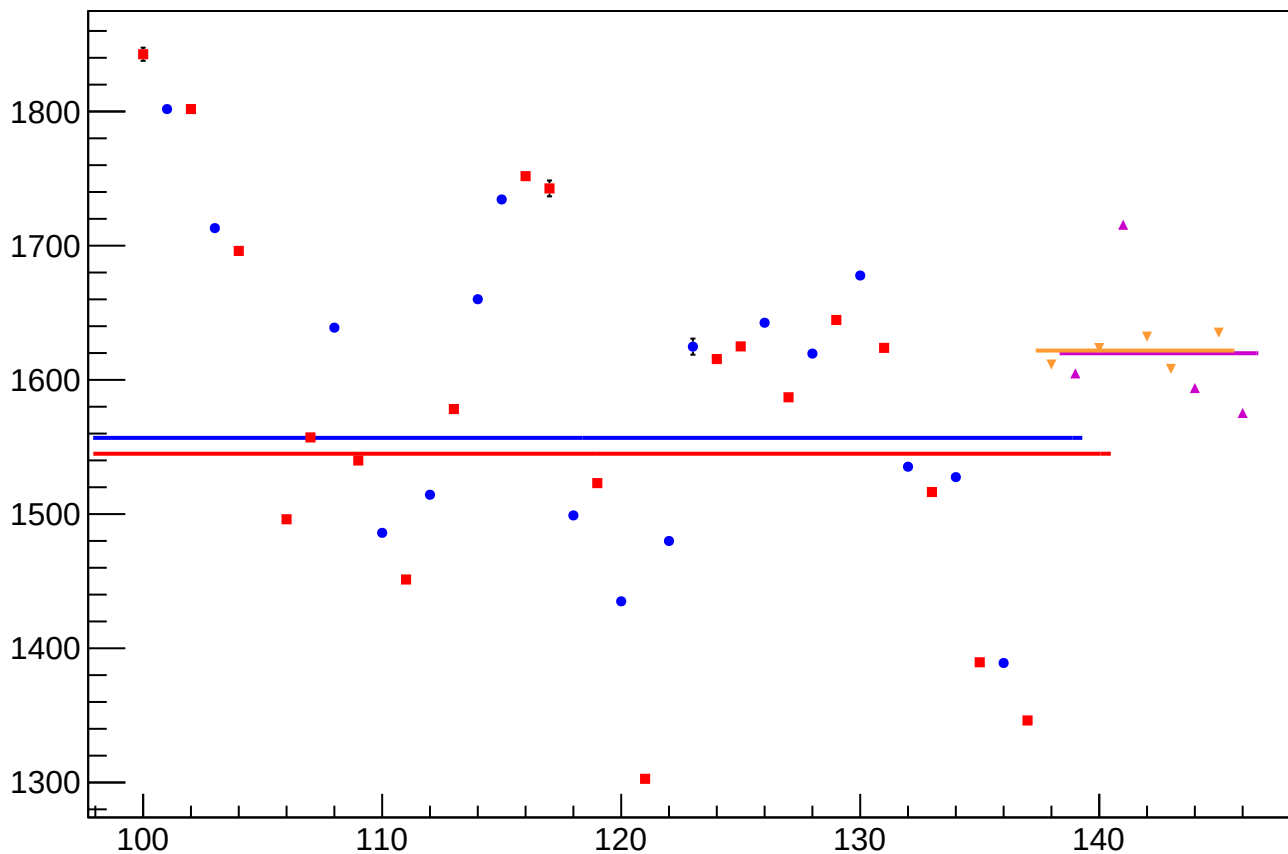
Left In: 71.521+/-0.907 χ^2/NDF : 392.2/3

-67.472+/-0.498 χ^2/NDF : 16108.7/21

-27.437+/-0.348 χ^2/NDF : 40562.2/45

10.899+/-0.487 χ^2/NDF : 11811.0/23

diff_bpm0i02aX_rms vs Slug, Sign Corrected



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

Left Out: 1621.848 +/- 0.629 χ^2/NDF : 286.3/4

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

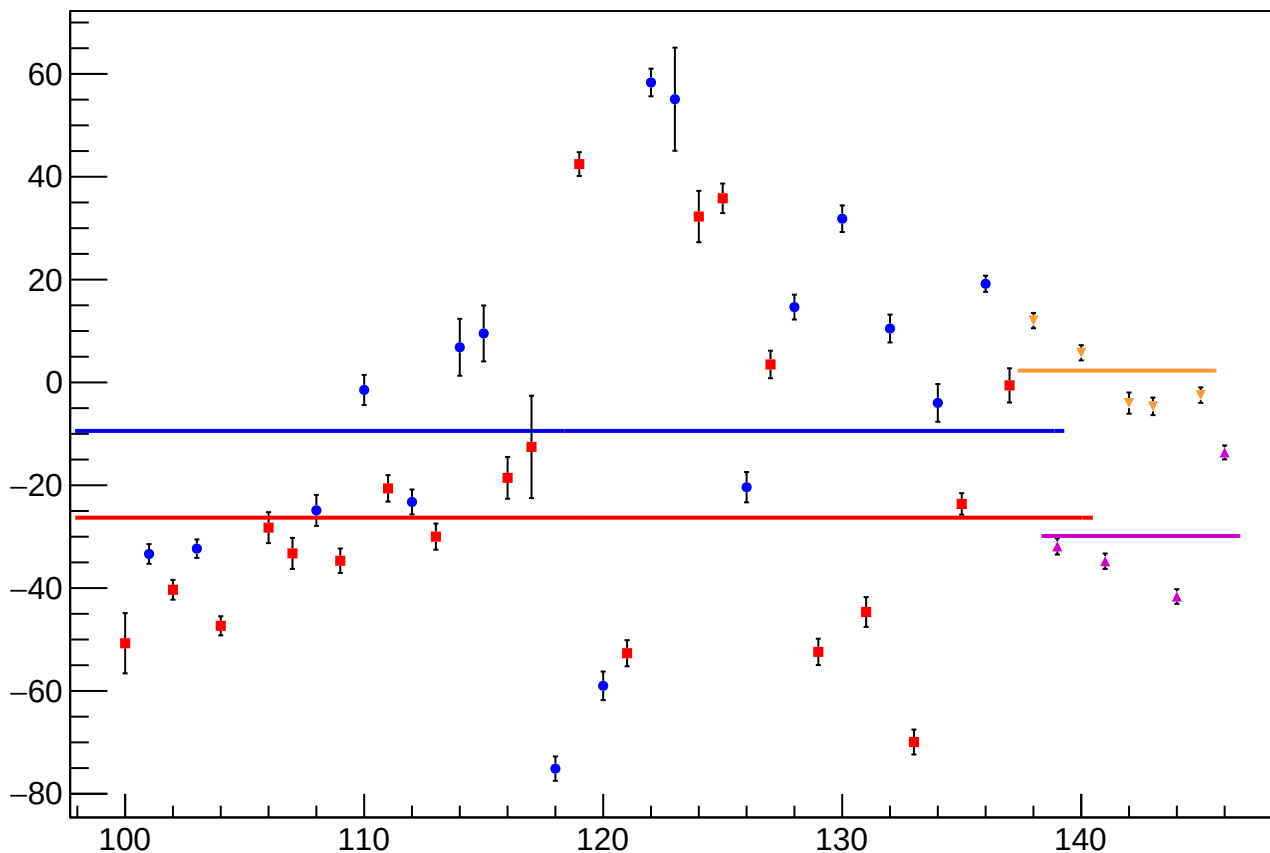
Left In: 1619.844 +/- 0.642 χ^2/NDF : 7099.0/3

1577.202 +/- 0.352 χ^2/NDF : 89176.4/21

1571.781 +/- 0.246 χ^2/NDF : 208047.8/45

1566.590 +/- 0.345 χ^2/NDF : 118407.7/23

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -9.427 ± 0.626 $\chi^2/\text{NDF}: 2924.1/16$

Left Out: 2.305 ± 0.720 $\chi^2/\text{NDF}: 84.3/4$

Right Out: -26.304 ± 0.602 $\chi^2/\text{NDF}: 2474.0/19$

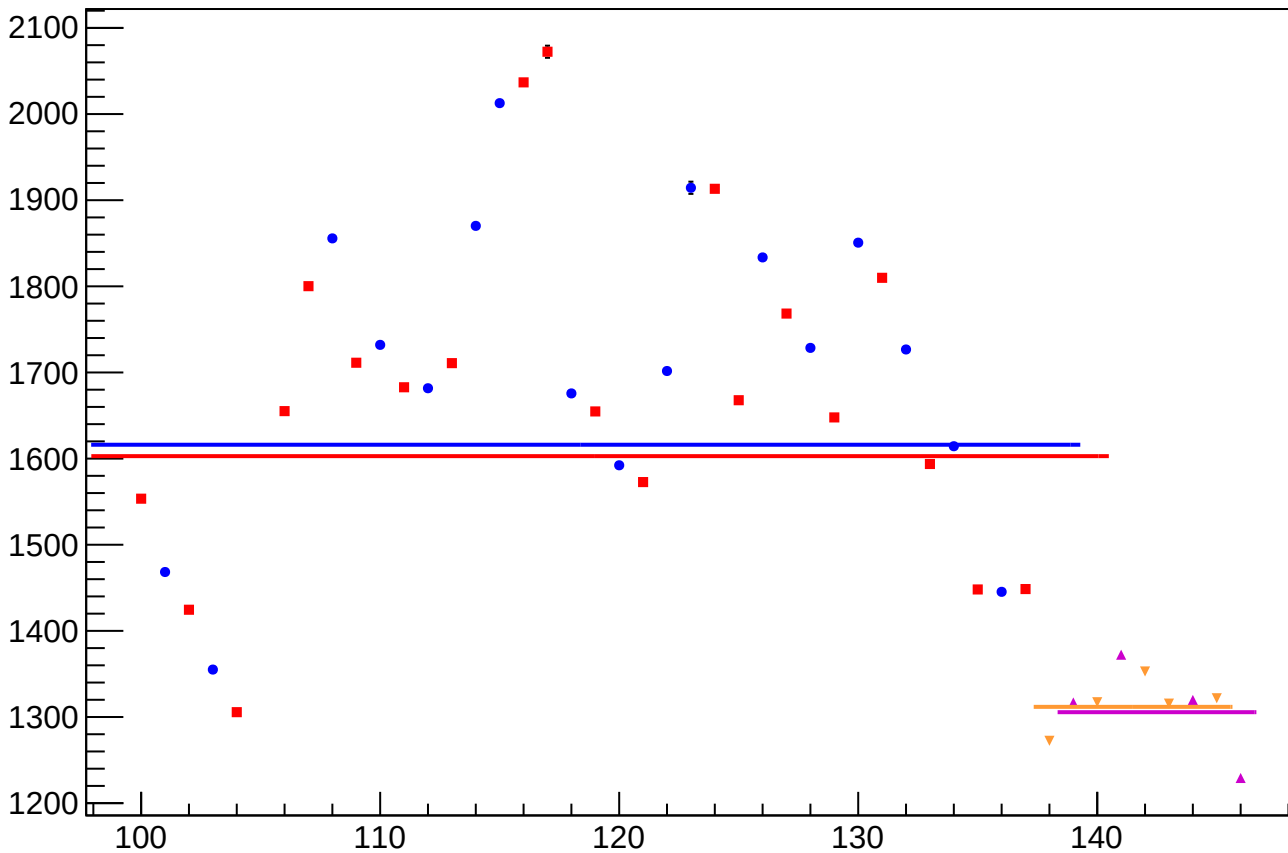
Left In: -29.865 ± 0.732 $\chi^2/\text{NDF}: 222.6/3$

-4.372 ± 0.473 $\chi^2/\text{NDF}: 3159.5/21$

-16.252 ± 0.331 $\chi^2/\text{NDF}: 7113.0/45$

-27.740 ± 0.465 $\chi^2/\text{NDF}: 2710.7/23$

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1616.094+/-0.443 χ^2/NDF : 149596.3/16

Left Out: 1311.793+/-0.509 χ^2/NDF :2319.7/4

Right Out: 1602.857 ± 0.425 χ^2/NDF : 158119.5/19

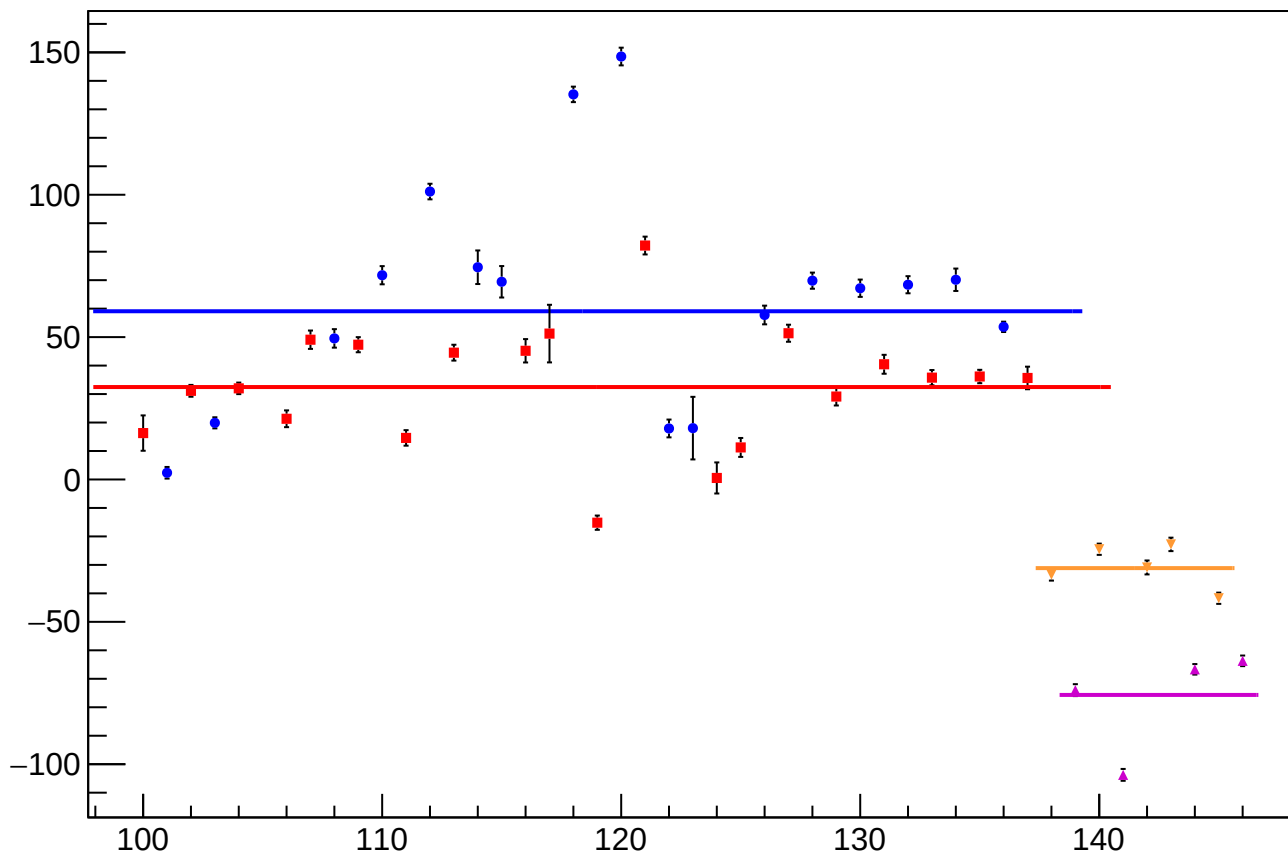
Left In: 1305.597+/-0.517 χ^2/NDF :10548.9/3

1484.980+/-0.334 χ^2/NDF : 355245.5/21

1483.953 $\pm$ 0.234 χ^2/NDF : 720827.1/45

1482.959+/-0.329 χ^2/NDF : 365563.0/23

diff_bpm0i05X_mean vs Slug, Sign Corrected



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

Left Out: -31.130 +/- 0.960 χ^2/NDF : 53.6/4

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

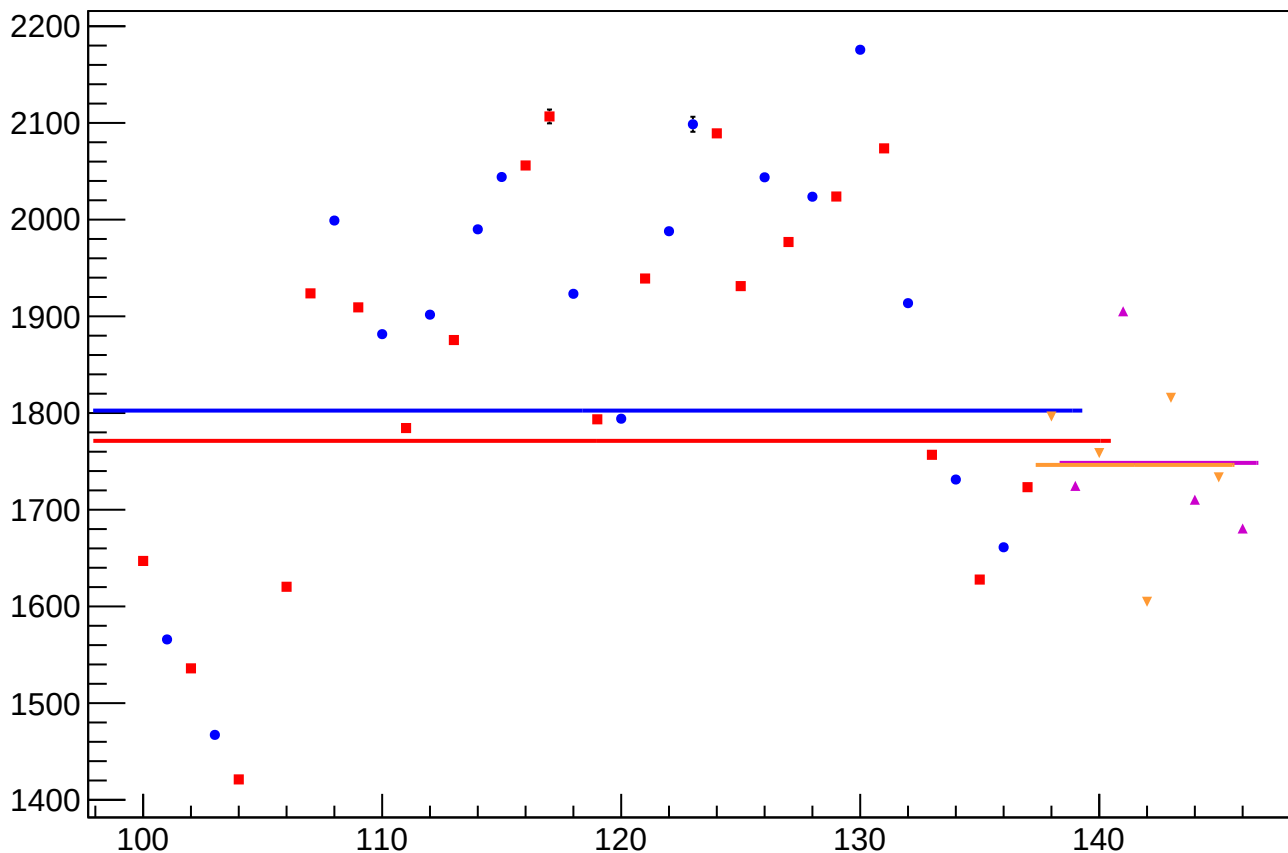
Left In: -75.671 +/- 0.981 χ^2/NDF : 247.3/3

27.785 +/- 0.565 χ^2/NDF : 9117.8/21

12.703 +/- 0.394 χ^2/NDF : 19974.9/45

-1.598 +/- 0.550 χ^2/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: 1746.360 $\pm$ 0.679 χ^2/NDF : 9714.9/4

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

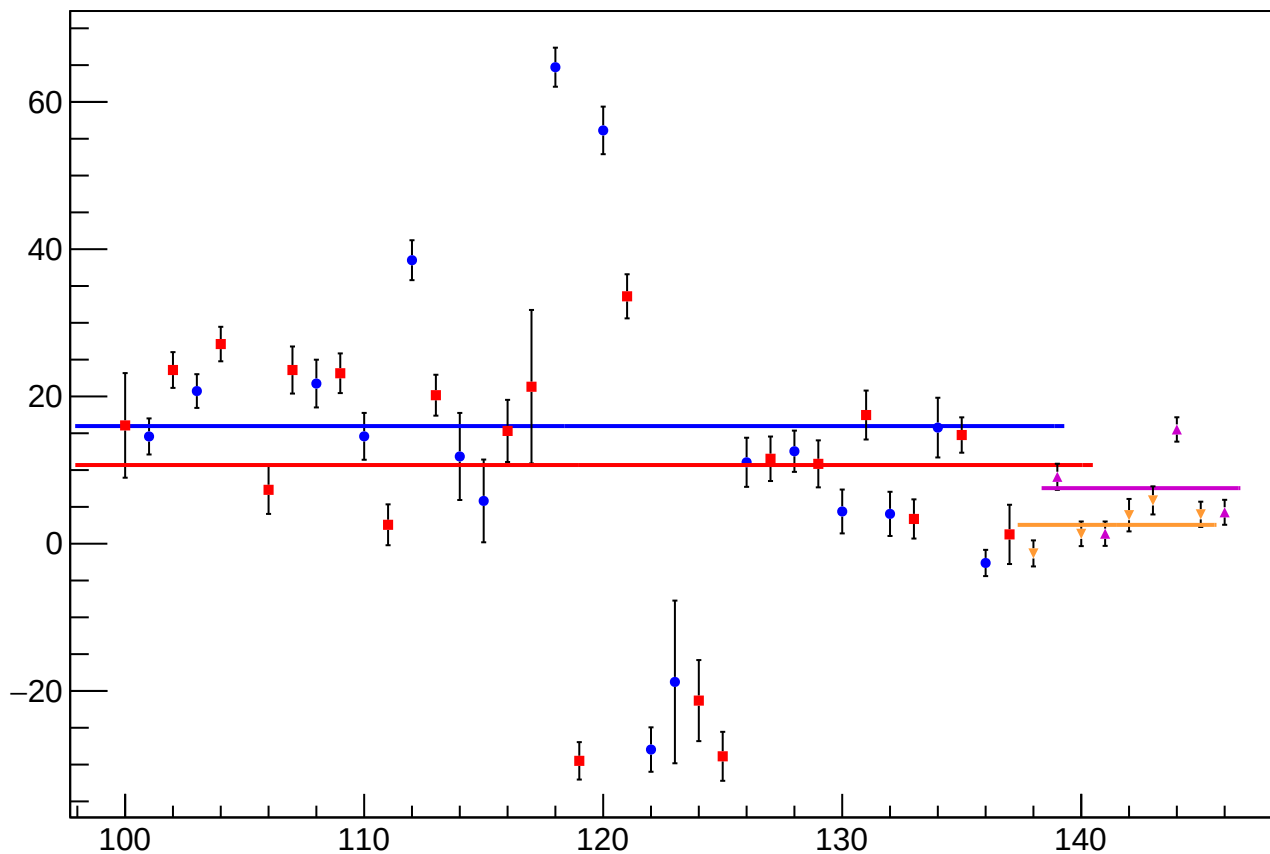
Left In: 1748.454 $\pm$ 0.693 χ^2/NDF : 15088.3/3

1783.039 $\pm$ 0.400 χ^2/NDF : 198257.4/21

1773.294 $\pm$ 0.279 χ^2/NDF : 395344.2/45

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: 2.556 +/- 0.817 χ^2/NDF : 9.4/4

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

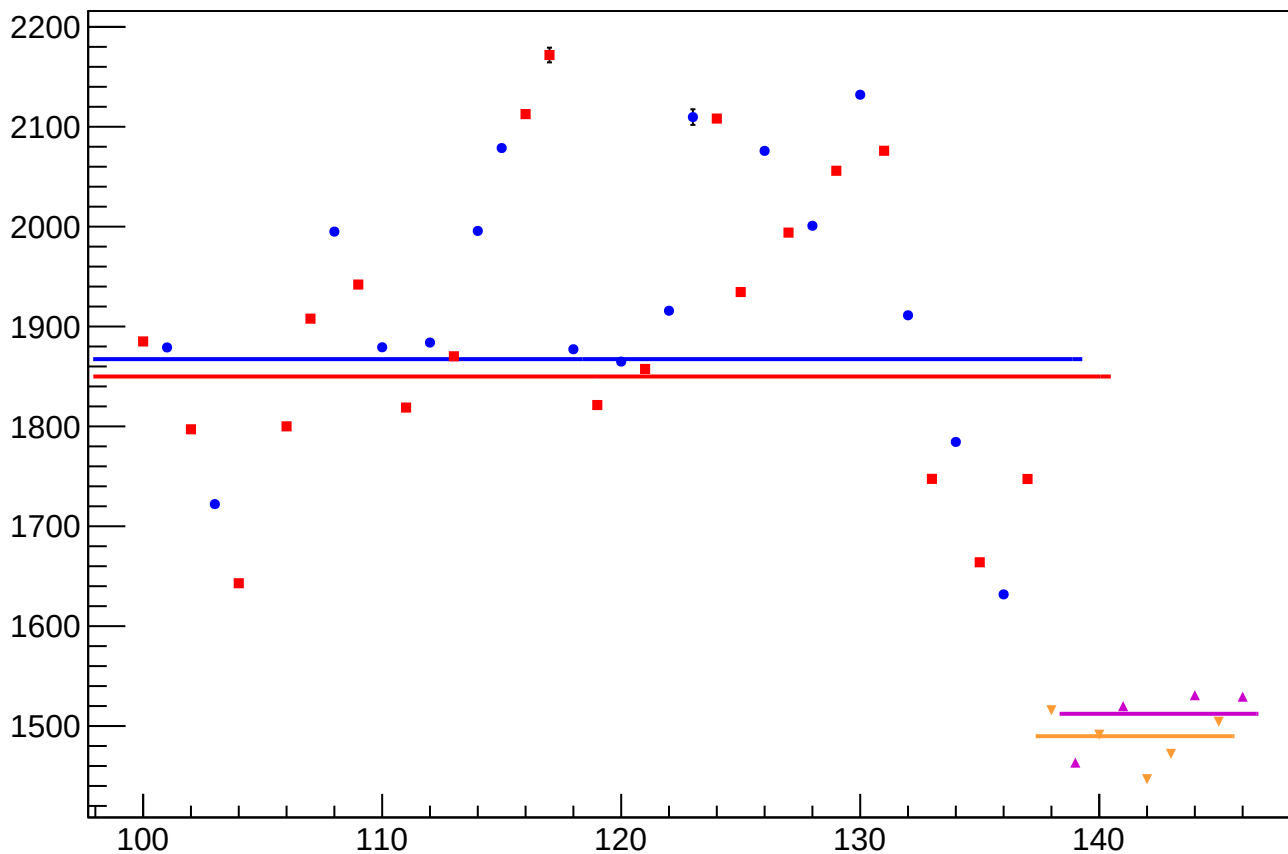
Left In: 7.545 +/- 0.847 χ^2/NDF : 41.6/3

10.097 +/- 0.541 χ^2/NDF : 1099.3/21

9.759 +/- 0.381 χ^2/NDF : 1793.1/45

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: 1489.804 $\pm$ 0.578 χ^2 /NDF:1509.4/4

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

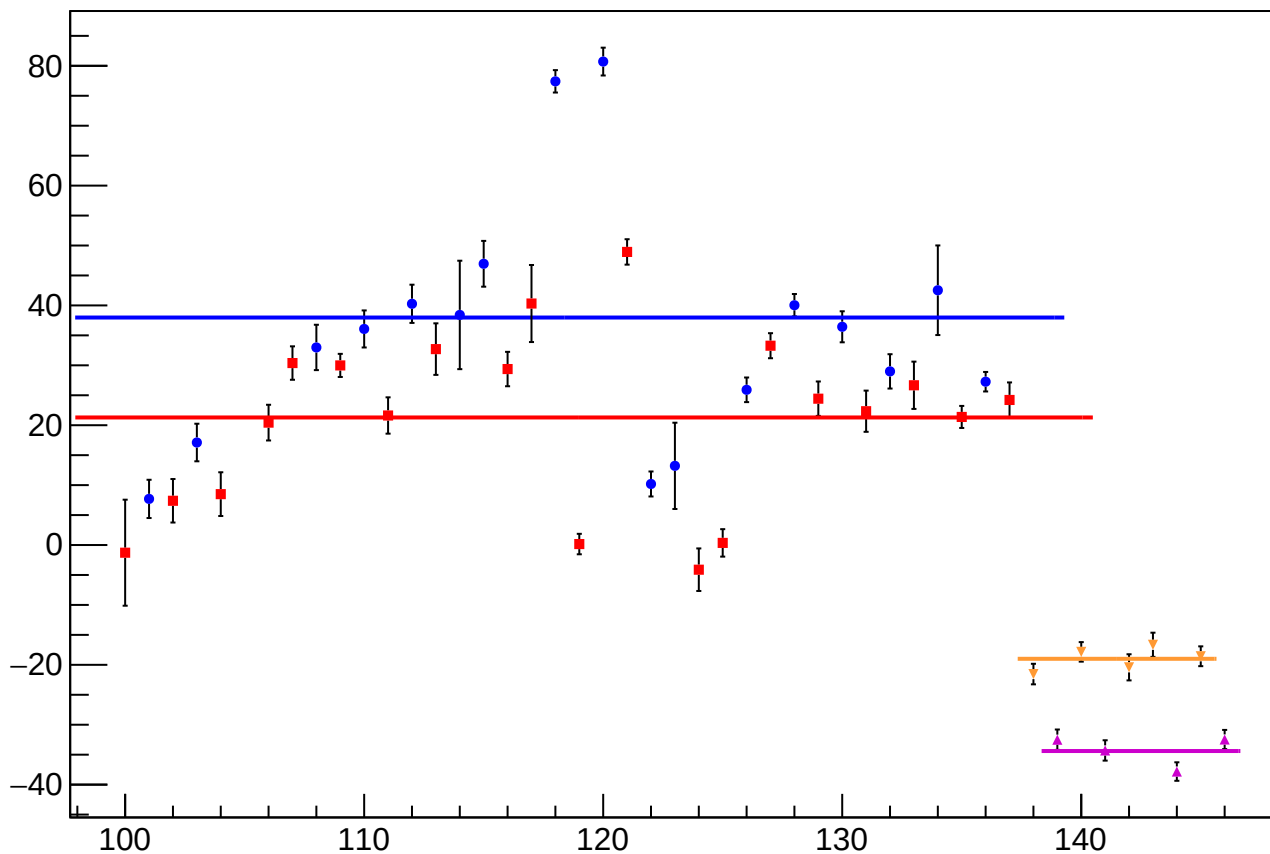
Left In: 1512.252 $\pm$ 0.599 χ^2 /NDF:2017.3/3

1701.942 $\pm$ 0.382 χ^2 /NDF: 322267.7/21

1708.399 $\pm$ 0.269 χ^2 /NDF: 590113.1/45

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: -18.994±0.807 χ^2/NDF : 4.5/4

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

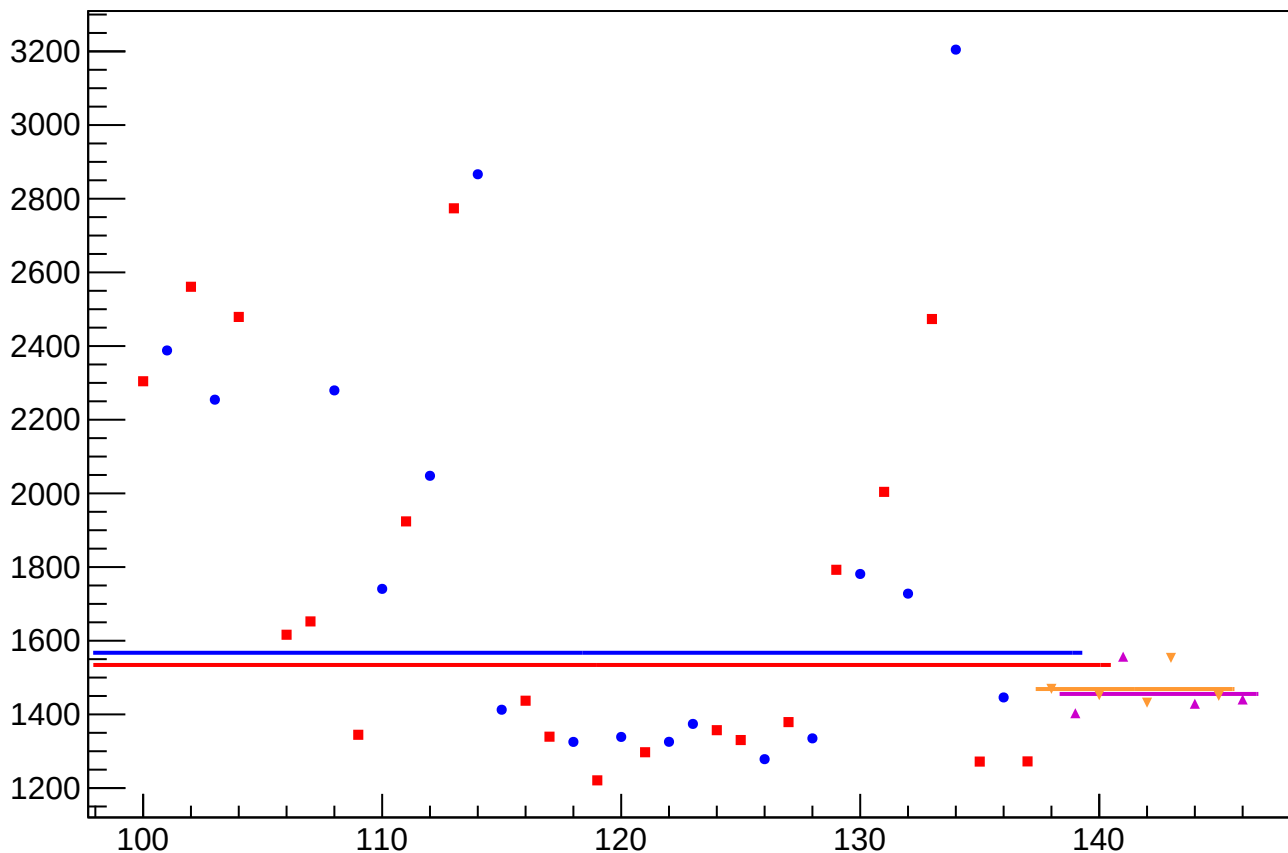
Left In: -34.391±0.816 χ^2/NDF : 7.6/3

16.077±0.500 χ^2/NDF : 4280.4/21

8.595±0.349 χ^2/NDF : 8308.5/45

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: 1468.905 $\pm$ 0.570 χ^2/NDF : 4544.8/4

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

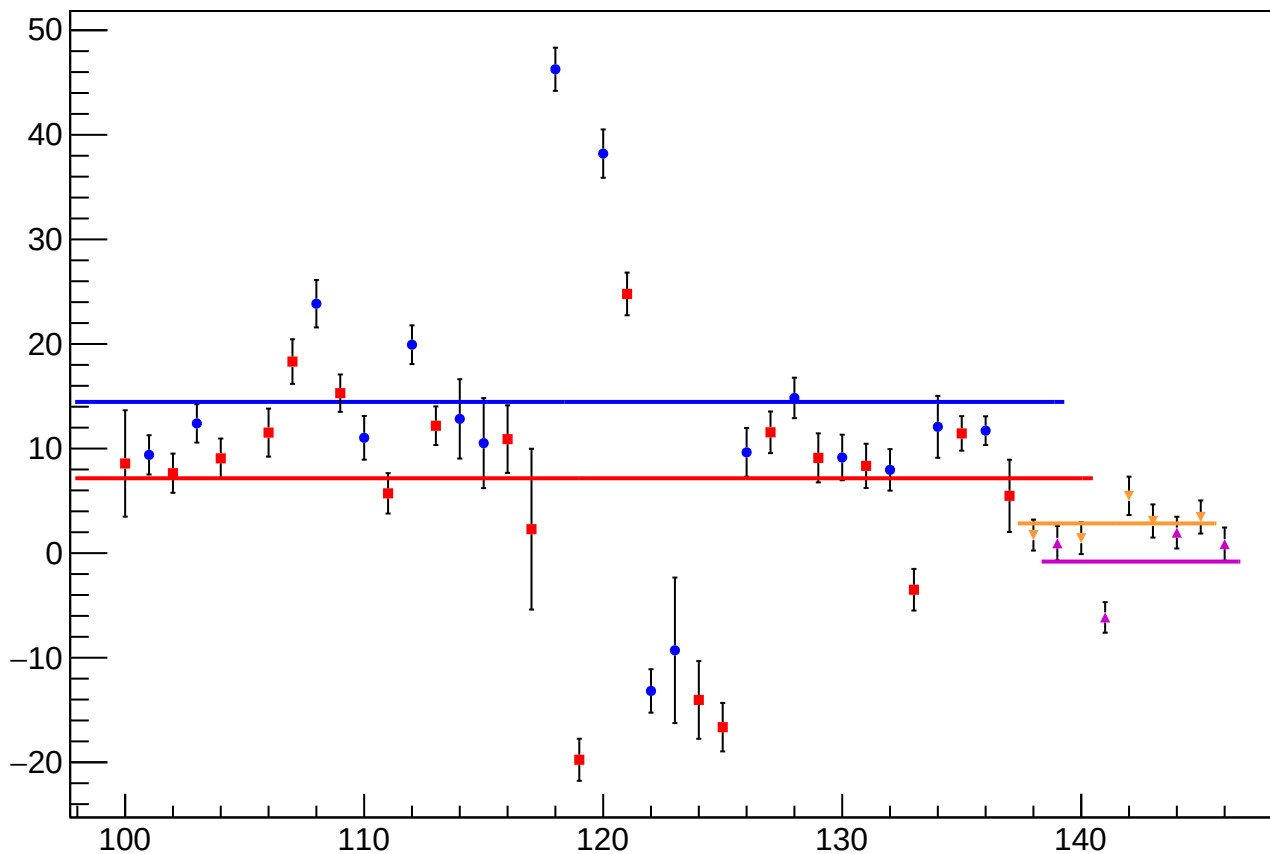
Left In: 1455.541 $\pm$ 0.577 χ^2/NDF : 9748.0/3

1529.493 $\pm$ 0.354 χ^2/NDF : 696329.6/21

1517.564 $\pm$ 0.247 χ^2/NDF : 1604228.9/45

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: 2.845 $\pm$ 0.711 χ^2/NDF : 3.6/4

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

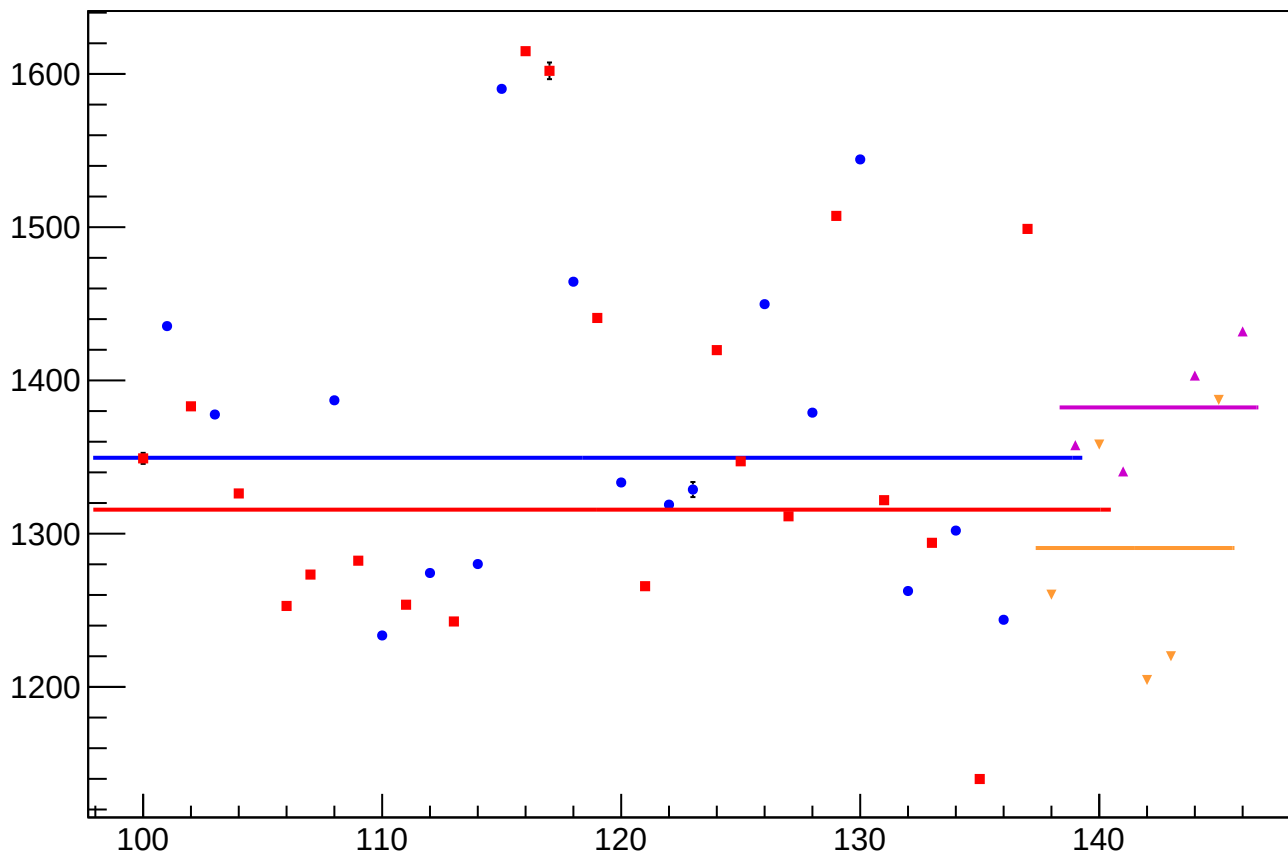
Left In: -0.805 $\pm$ 0.774 χ^2/NDF : 18.9/3

10.377 $\pm$ 0.421 χ^2/NDF : 772.9/21

7.584 $\pm$ 0.296 χ^2/NDF : 1449.9/45

4.861 $\pm$ 0.416 χ^2/NDF : 590.3/23

diff_bpm0i07Y_rms vs Slug, Sign Corrected



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

Left Out: 1290.640 +/- 0.502 χ^2/NDF : 20603.6/4

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

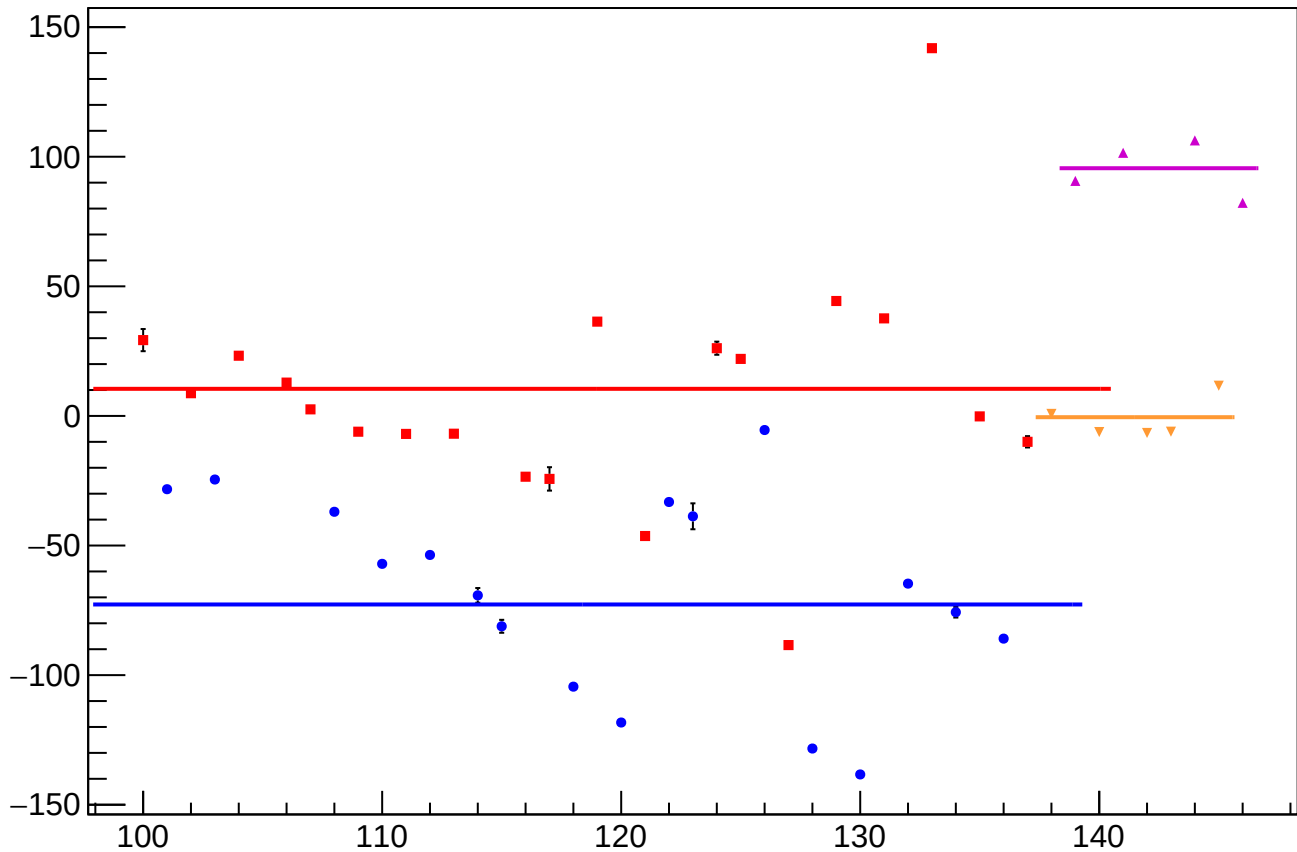
Left In: 1382.384 +/- 0.548 χ^2/NDF : 4407.6/3

1328.822 +/- 0.298 χ^2/NDF : 94176.1/21

1331.915 +/- 0.209 χ^2/NDF : 193095.6/45

1334.931 +/- 0.294 χ^2/NDF : 98706.6/23

diff_bpm1i02X_mean vs Slug, Sign Corrected



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

Left Out: -0.488 +/- 0.510 χ^2/NDF : 199.2/4

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

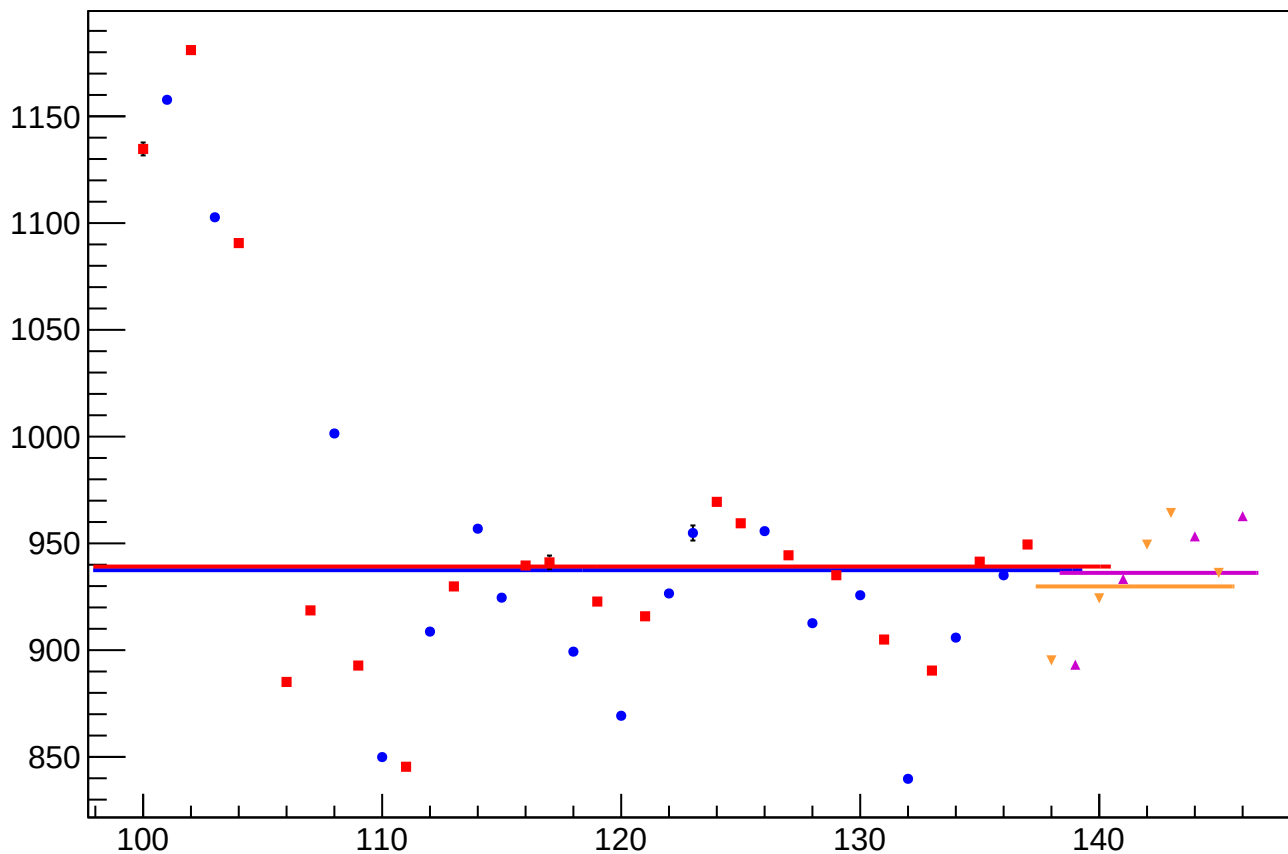
Left In: 95.568 +/- 0.524 χ^2/NDF : 320.2/3

-48.504 +/- 0.295 χ^2/NDF : 25226.9/21

-5.283 +/- 0.208 χ^2/NDF : 104282.9/45

36.869 +/- 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: 929.836 ± 0.361 χ^2/NDF : 4205.5/4

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

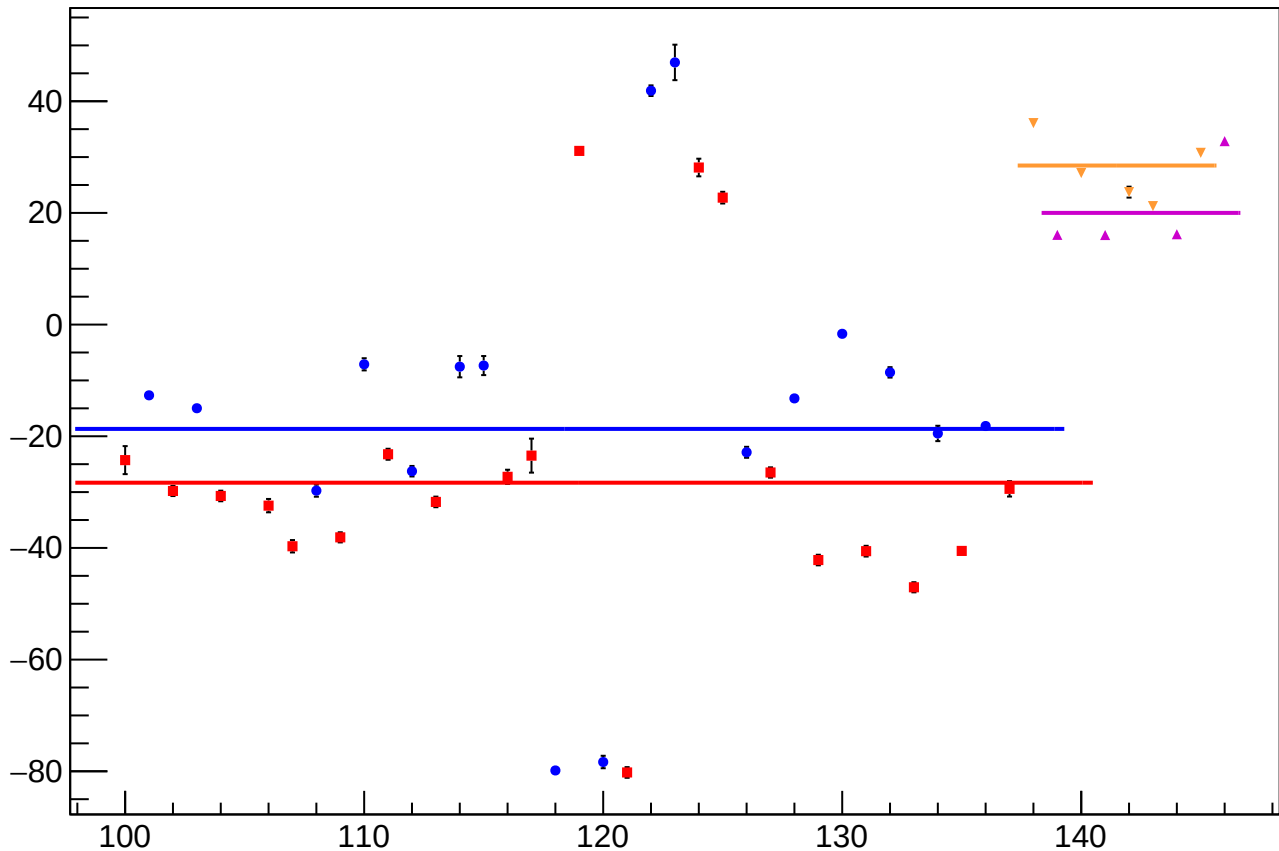
Left In: 936.195 ± 0.370 χ^2/NDF : 4966.4/3

934.898 ± 0.209 χ^2/NDF : 102809.7/21

936.587 ± 0.147 χ^2/NDF : 198202.8/45

938.234 ± 0.206 χ^2/NDF : 95263.9/23

diff_bpm1i02Y_mean vs Slug, Sign Corrected



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

Left Out: 28.486±0.352 χ^2/NDF : 219.2/4

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

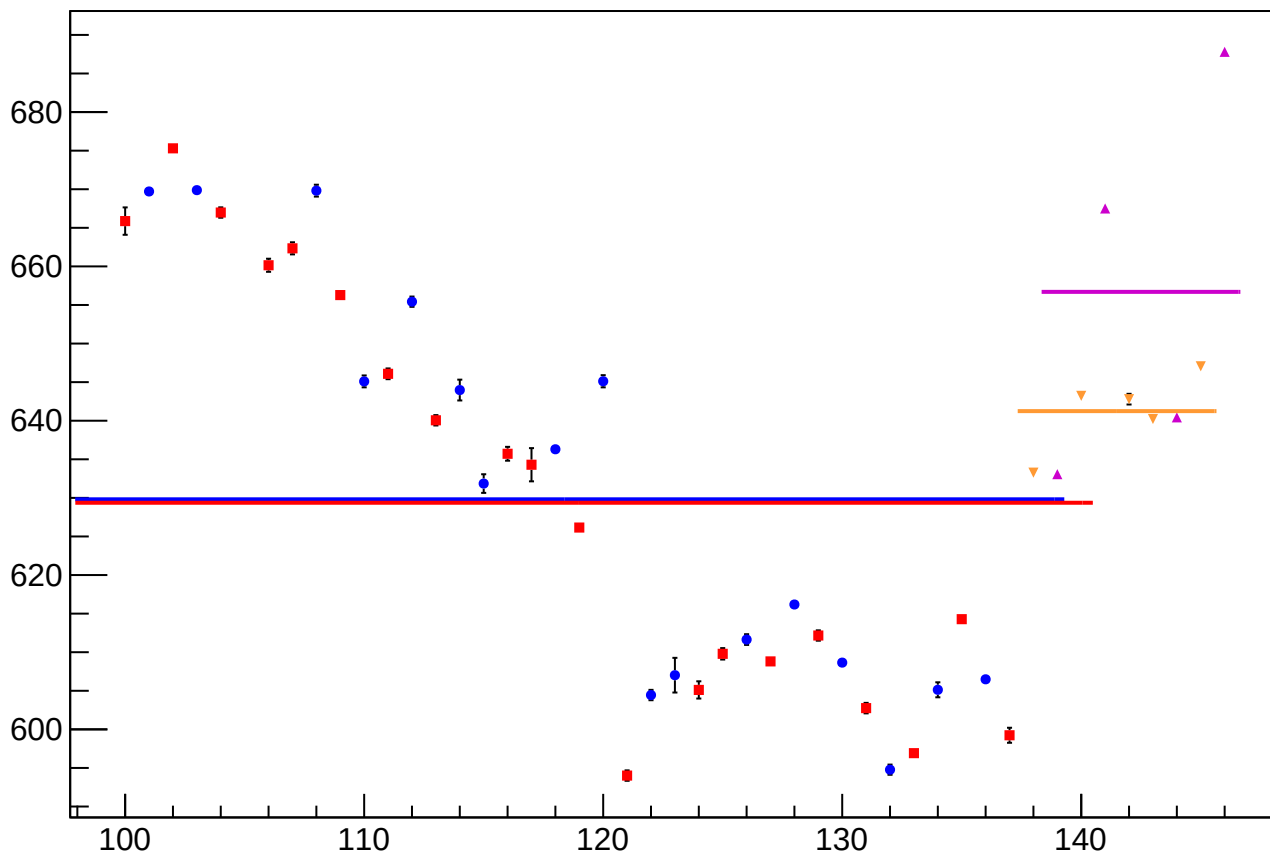
Left In: 20.003±0.367 χ^2/NDF : 371.7/3

-3.462±0.200 χ^2/NDF : 25418.4/21

-8.934±0.141 χ^2/NDF : 52077.2/45

-14.302±0.198 χ^2/NDF : 25171.7/23

diff_bpm1i02Y_rms vs Slug, Sign Corrected



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

Left Out: 641.244 $\pm$ 0.249 χ^2 /NDF: 380.3/4

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

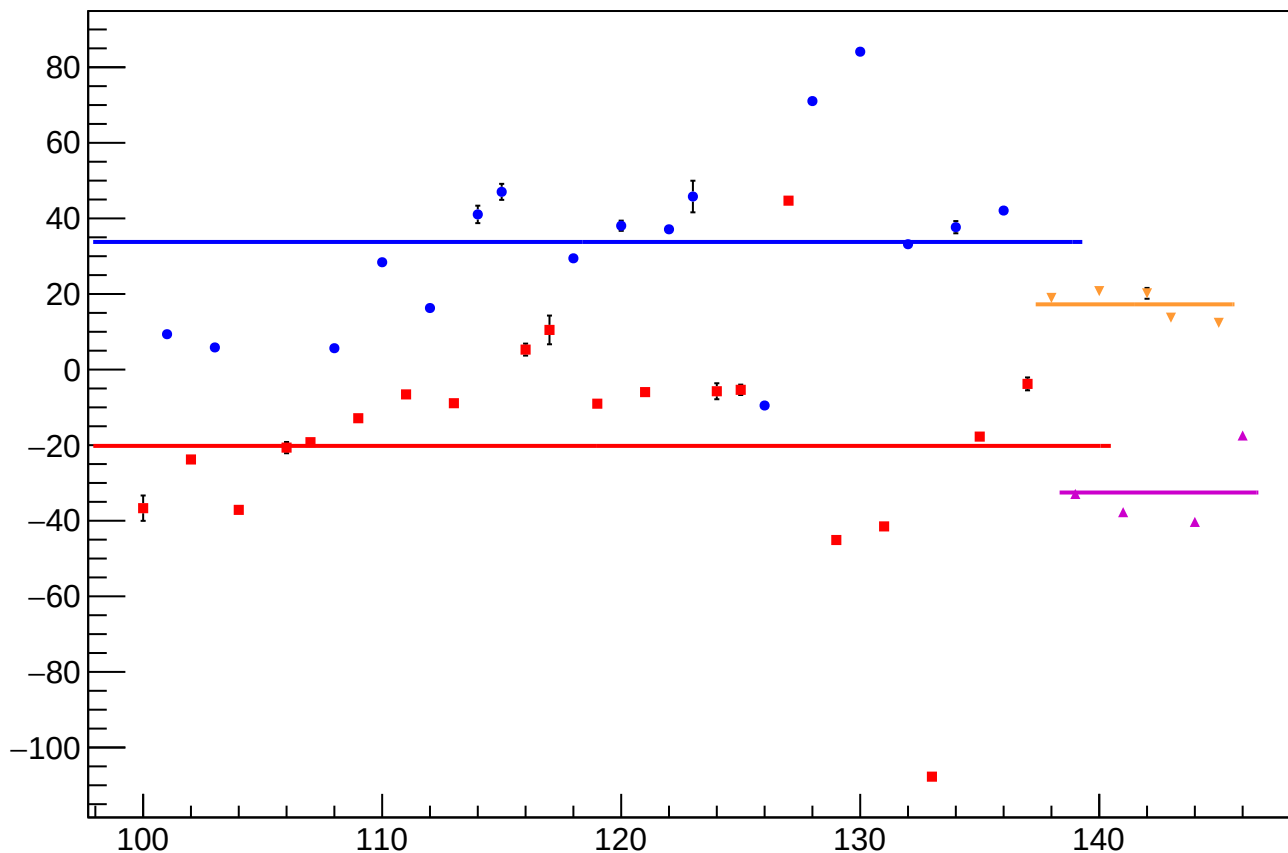
Left In: 656.700 $\pm$ 0.260 χ^2 /NDF: 6788.0/3

633.503 $\pm$ 0.141 χ^2 /NDF: 25110.3/21

635.418 $\pm$ 0.099 χ^2 /NDF: 65669.6/45

637.297 $\pm$ 0.140 χ^2 /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: 17.262+/-0.538 χ^2/NDF : 41.9/4

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

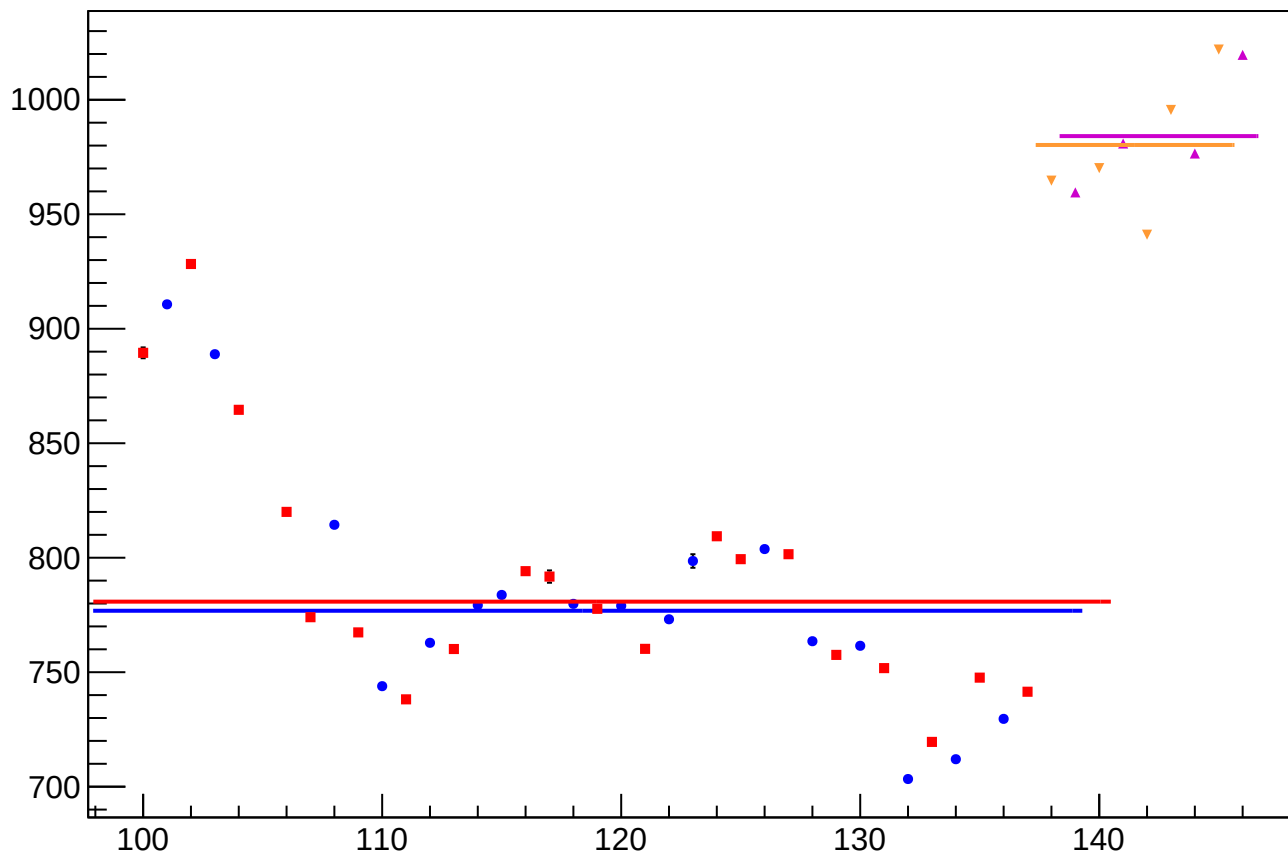
Left In: -32.532+/-0.550 χ^2/NDF : 256.8/3

29.856+/-0.262 χ^2/NDF : 7248.8/21

3.053+/-0.184 χ^2/NDF : 39861.9/45

-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: 980.266 $\pm$ 0.380 χ^2/NDF : 4888.5/4

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

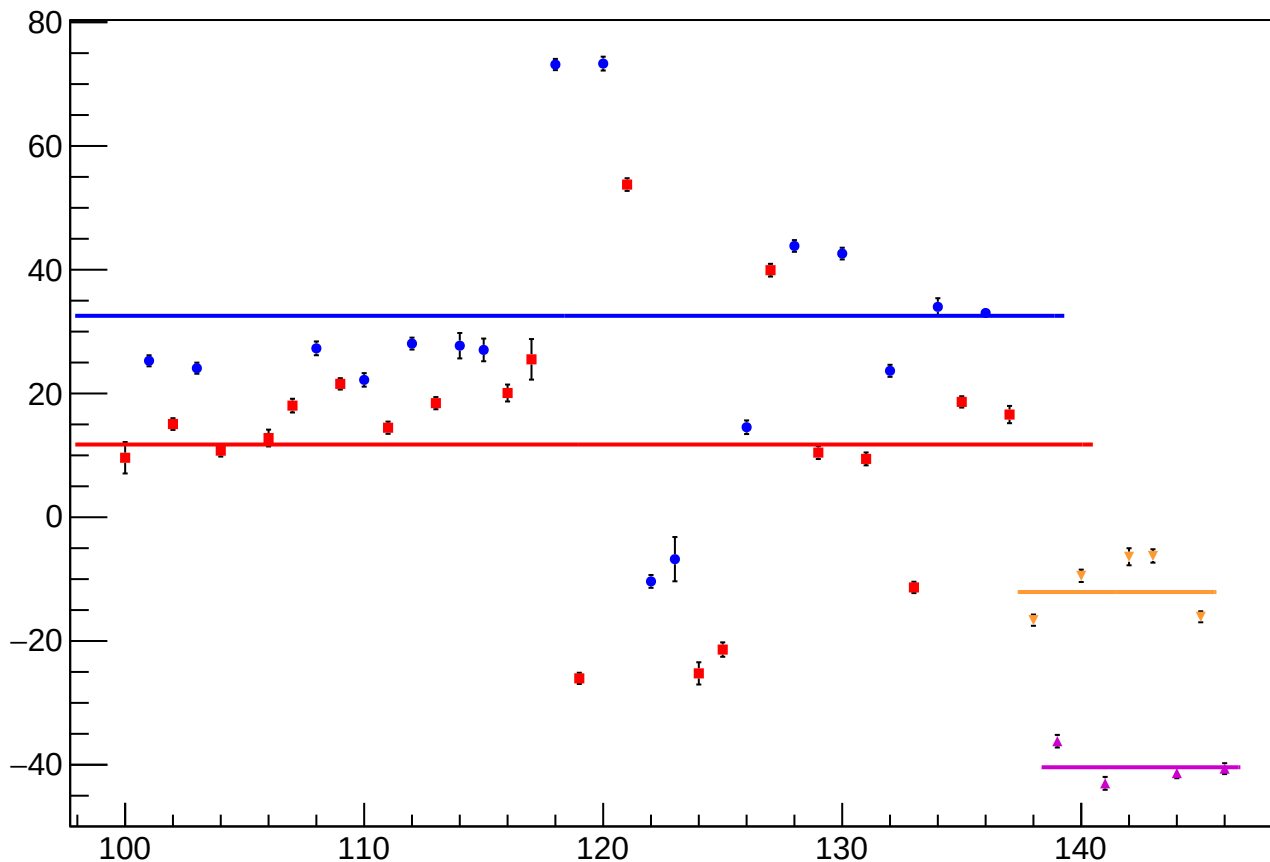
Left In: 984.140 $\pm$ 0.389 χ^2/NDF : 2991.6/3

825.094 $\pm$ 0.185 χ^2/NDF : 290674.5/21

825.241 $\pm$ 0.130 χ^2/NDF : 564142.6/45

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: -12.087 +/- 0.454 χ^2/NDF : 98.2/4

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

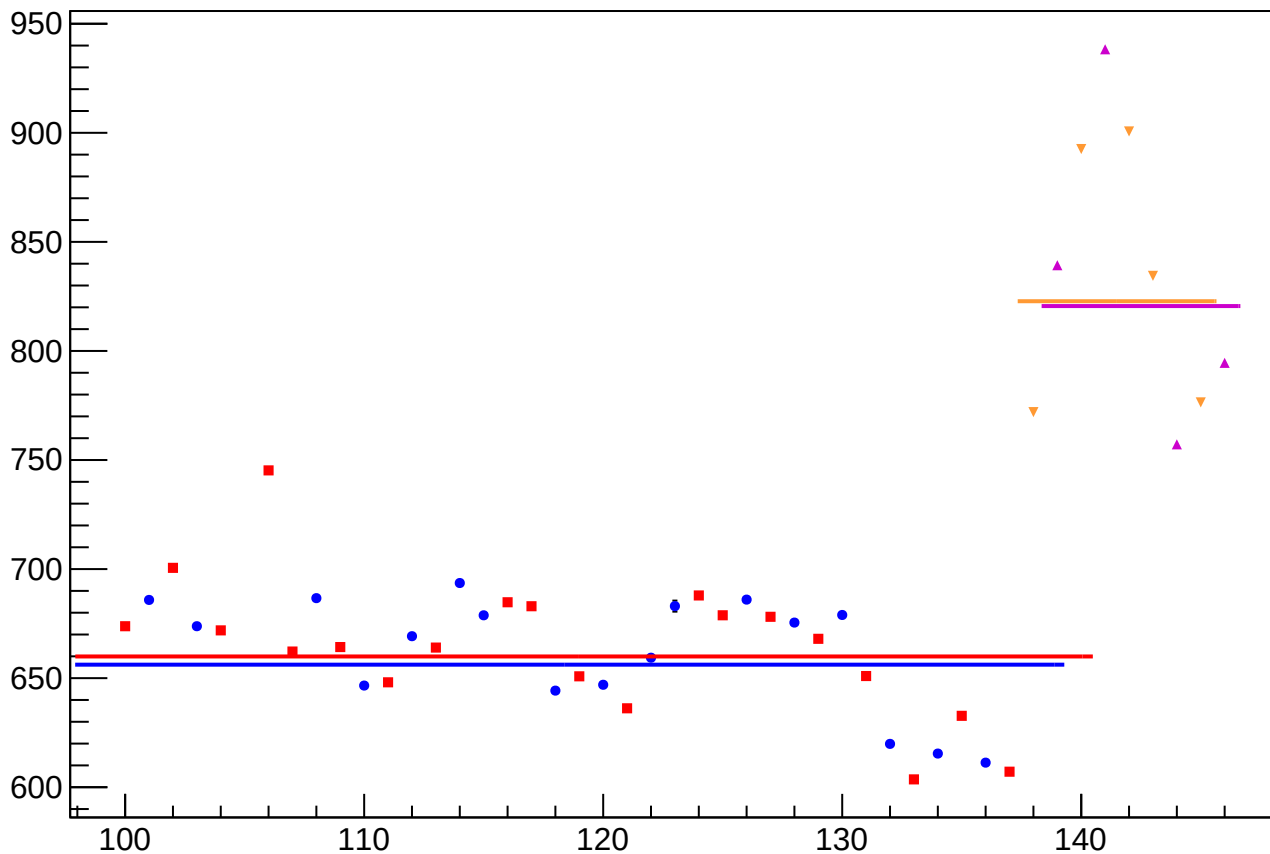
Left In: -40.405 +/- 0.464 χ^2/NDF : 24.7/3

21.981 +/- 0.221 χ^2/NDF : 13551.6/21

10.975 +/- 0.155 χ^2/NDF : 34690.3/45

0.298 +/- 0.218 χ^2/NDF : 16248.4/23

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 656.181 ± 0.179 $\chi^2/\text{NDF}: 23569.6/16$

Left Out: 822.795 ± 0.321 $\chi^2/\text{NDF}: 28012.5/4$

Right Out: 659.944 ± 0.174 $\chi^2/\text{NDF}: 28425.0/19$

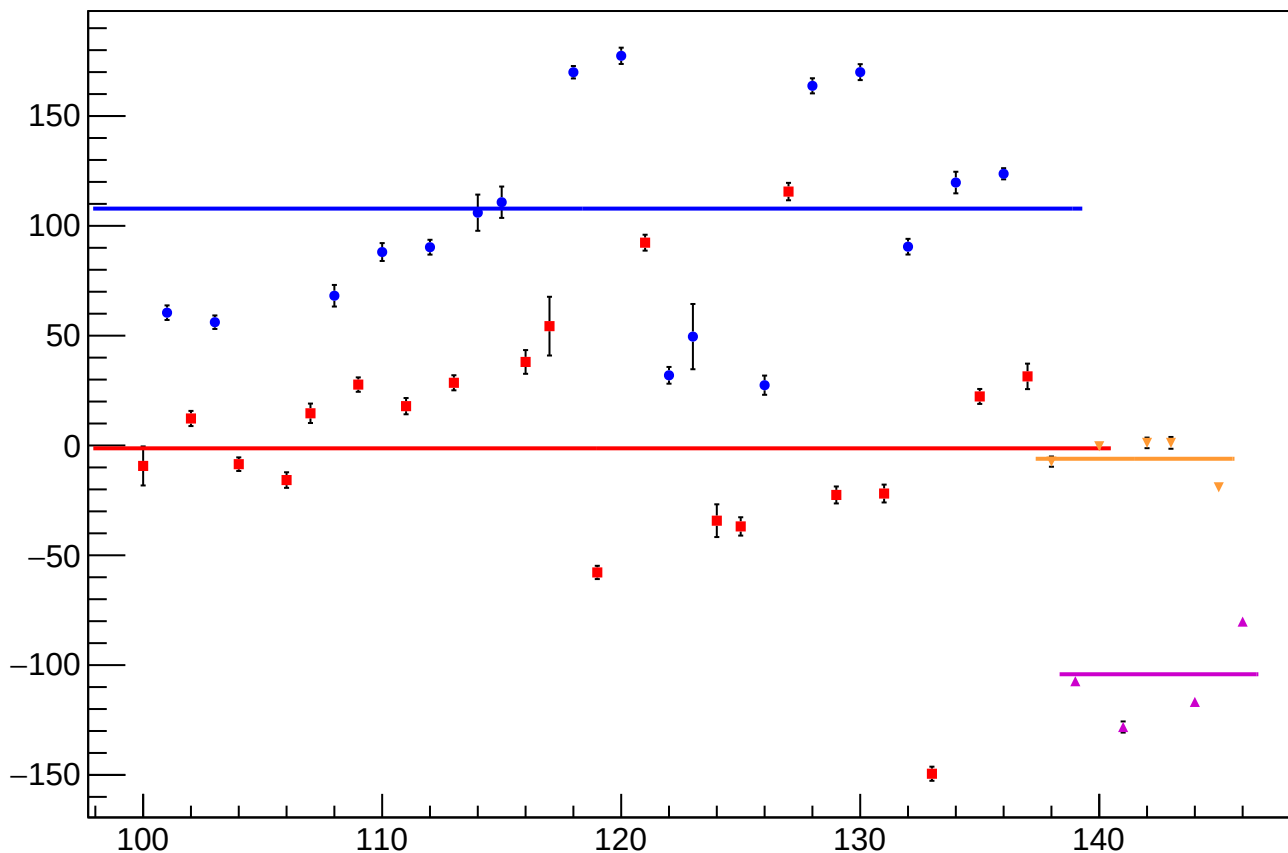
Left In: 820.577 ± 0.328 $\chi^2/\text{NDF}: 39694.4/3$

695.639 ± 0.156 $\chi^2/\text{NDF}: 257220.8/21$

695.426 ± 0.110 $\chi^2/\text{NDF}: 512168.3/45$

695.219 ± 0.154 $\chi^2/\text{NDF}: 254943.8/23$

diff_bpm1i06X_mean vs Slug, Sign Corrected



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

Left Out: -6.050 $\pm$ 1.030 χ^2 /NDF: 64.4/4

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

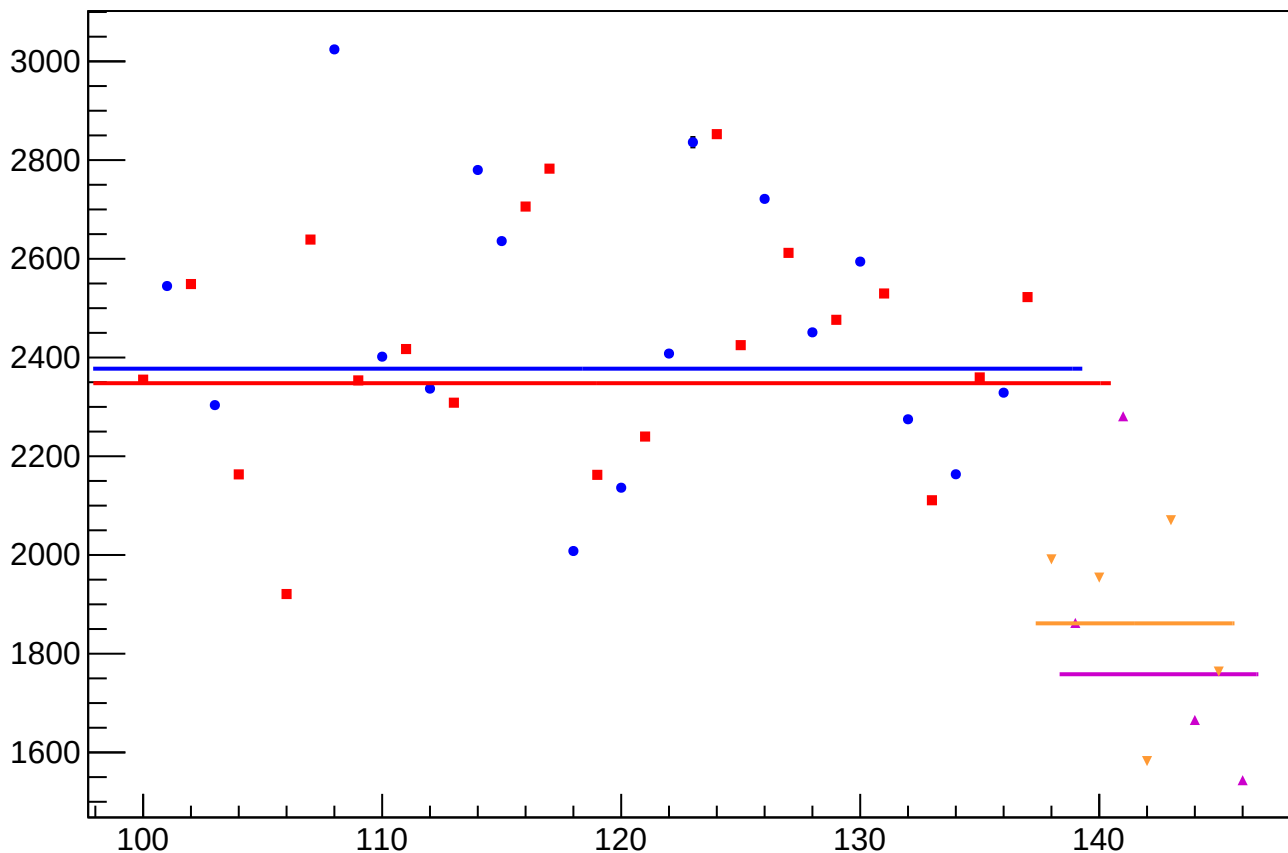
Left In: -104.168 $\pm$ 1.003 χ^2 /NDF: 336.3/3

57.204 $\pm$ 0.687 χ^2 /NDF: 9666.5/21

3.650 $\pm$ 0.477 χ^2 /NDF: 32213.4/45

-46.125 $\pm$ 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: 1861.475 $\pm$ 0.728 χ^2 /NDF: 53191.9/4

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

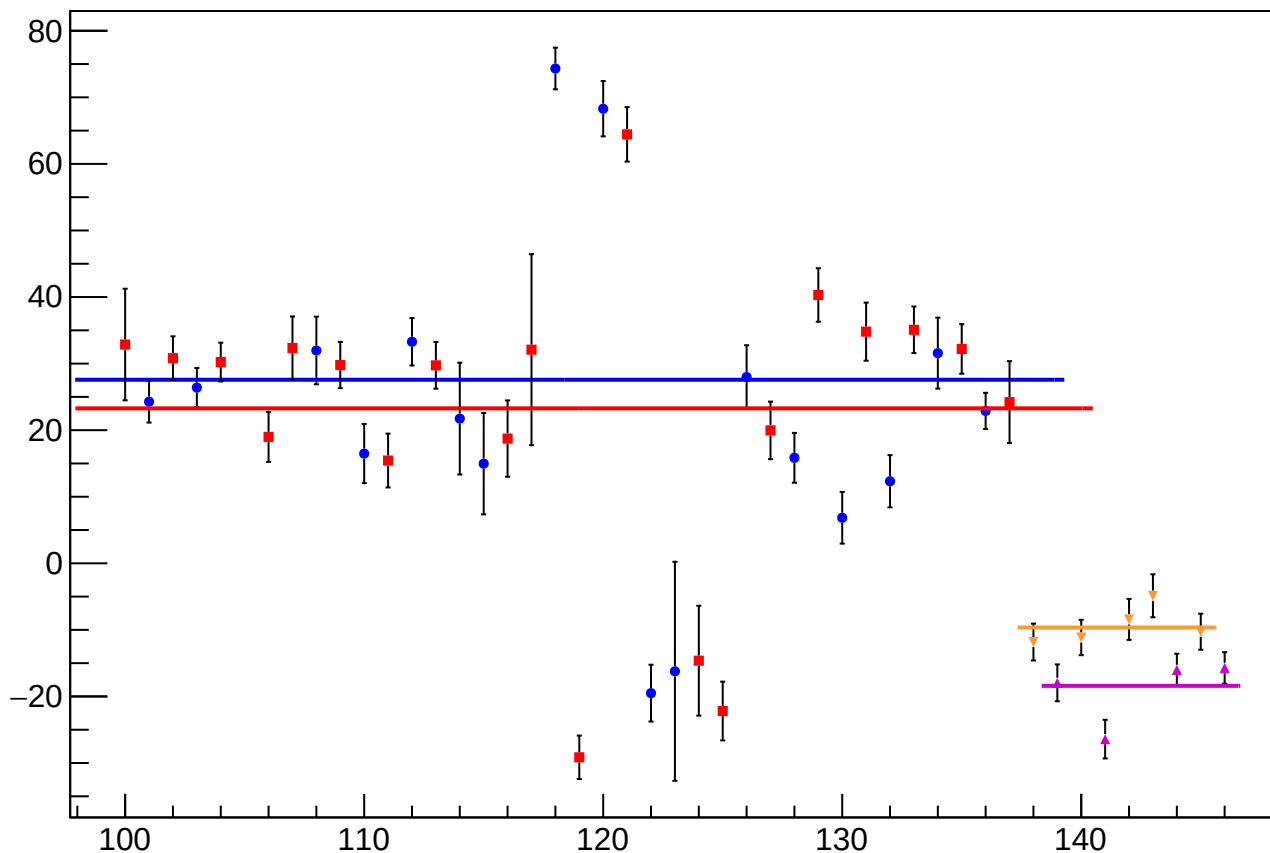
Left In: 1758.391 $\pm$ 0.709 χ^2 /NDF: 125935.6/3

2147.999 $\pm$ 0.486 χ^2 /NDF: 451612.8/21

2118.500 $\pm$ 0.337 χ^2 /NDF: 1085076.9/45

2091.082 $\pm$ 0.468 χ^2 /NDF: 626343.5/23

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.577 ± 0.975 $\chi^2/\text{NDF}: 519.6/16$

Left Out: -9.640 ± 1.280 $\chi^2/\text{NDF}: 3.3/4$

Right Out: 23.280 ± 0.925 $\chi^2/\text{NDF}: 558.2/19$

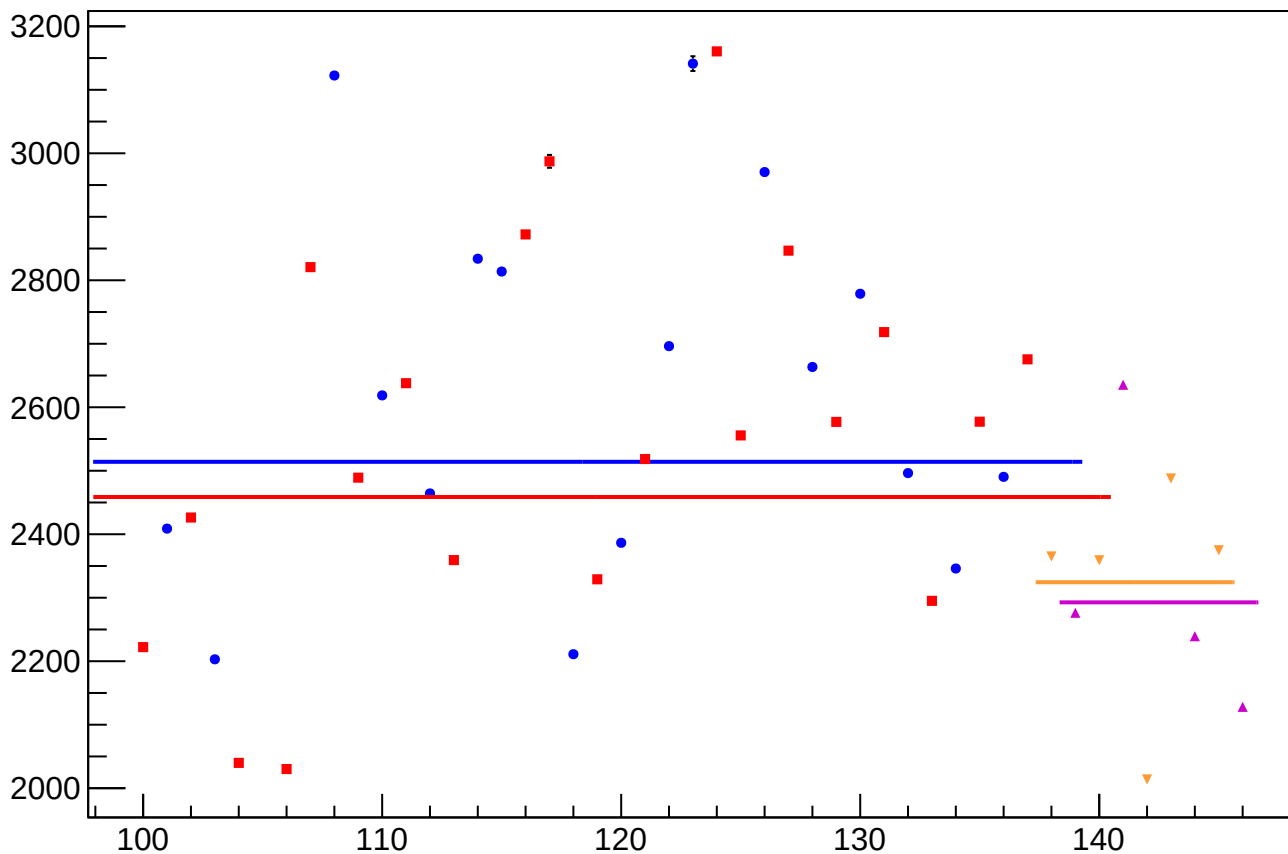
Left In: -18.406 ± 1.293 $\chi^2/\text{NDF}: 9.9/3$

13.918 ± 0.776 $\chi^2/\text{NDF}: 1057.9/21$

11.468 ± 0.540 $\chi^2/\text{NDF}: 2333.1/45$

9.162 ± 0.752 $\chi^2/\text{NDF}: 1255.9/23$

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2514.088 ± 0.689 $\chi^2/\text{NDF}: 120961.3/16$

Left Out: 2324.407 ± 0.905 $\chi^2/\text{NDF}: 26942.8/4$

Right Out: 2458.665 ± 0.654 $\chi^2/\text{NDF}: 152458.1/19$

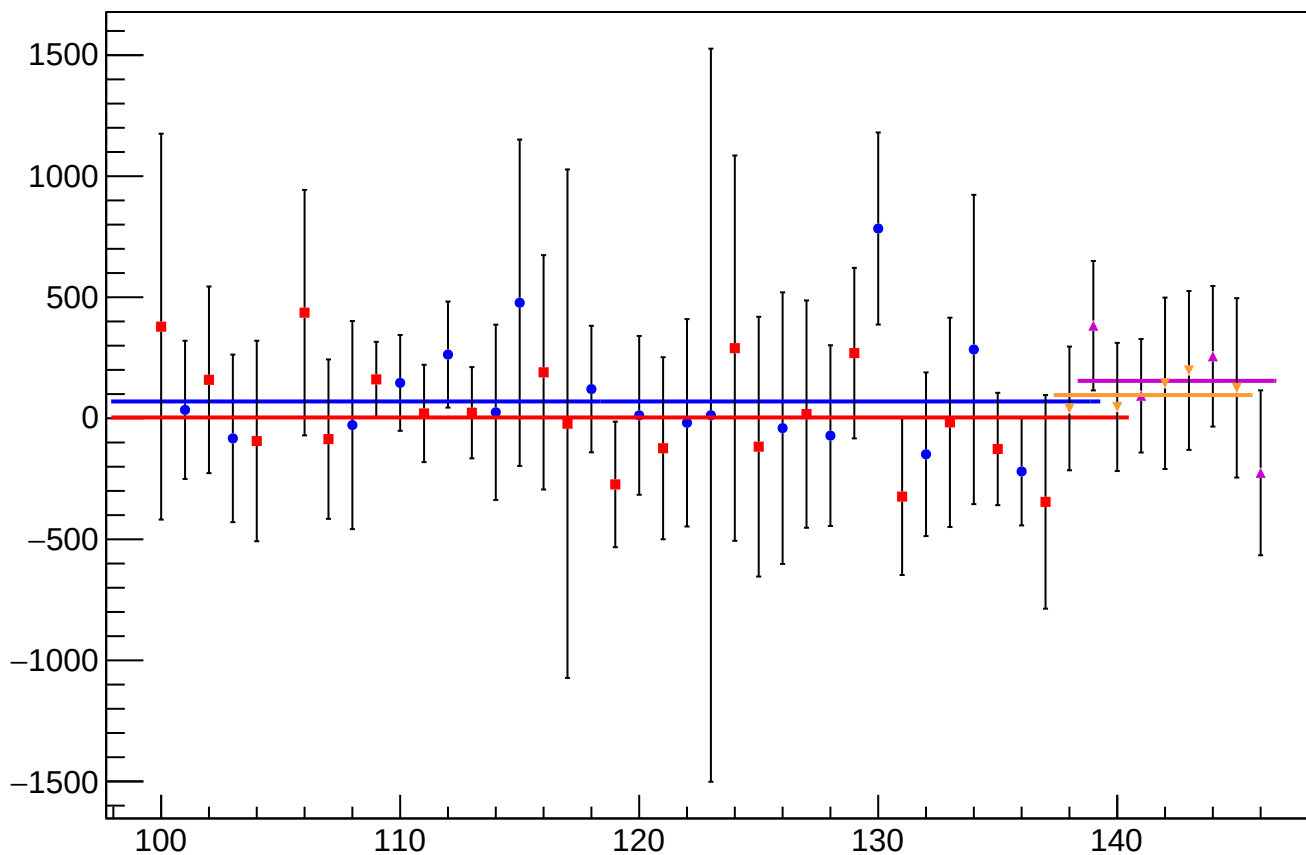
Left In: 2292.715 ± 0.914 $\chi^2/\text{NDF}: 38619.2/3$

2444.475 ± 0.548 $\chi^2/\text{NDF}: 175697.8/21$

2422.829 ± 0.382 $\chi^2/\text{NDF}: 391597.2/45$

2402.462 ± 0.532 $\chi^2/\text{NDF}: 212875.5/23$

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: 96.016 ± 135.911 χ^2/NDF : 0.2/4

Right Out: 3.448 ± 69.825 χ^2/NDF : 6.4/19

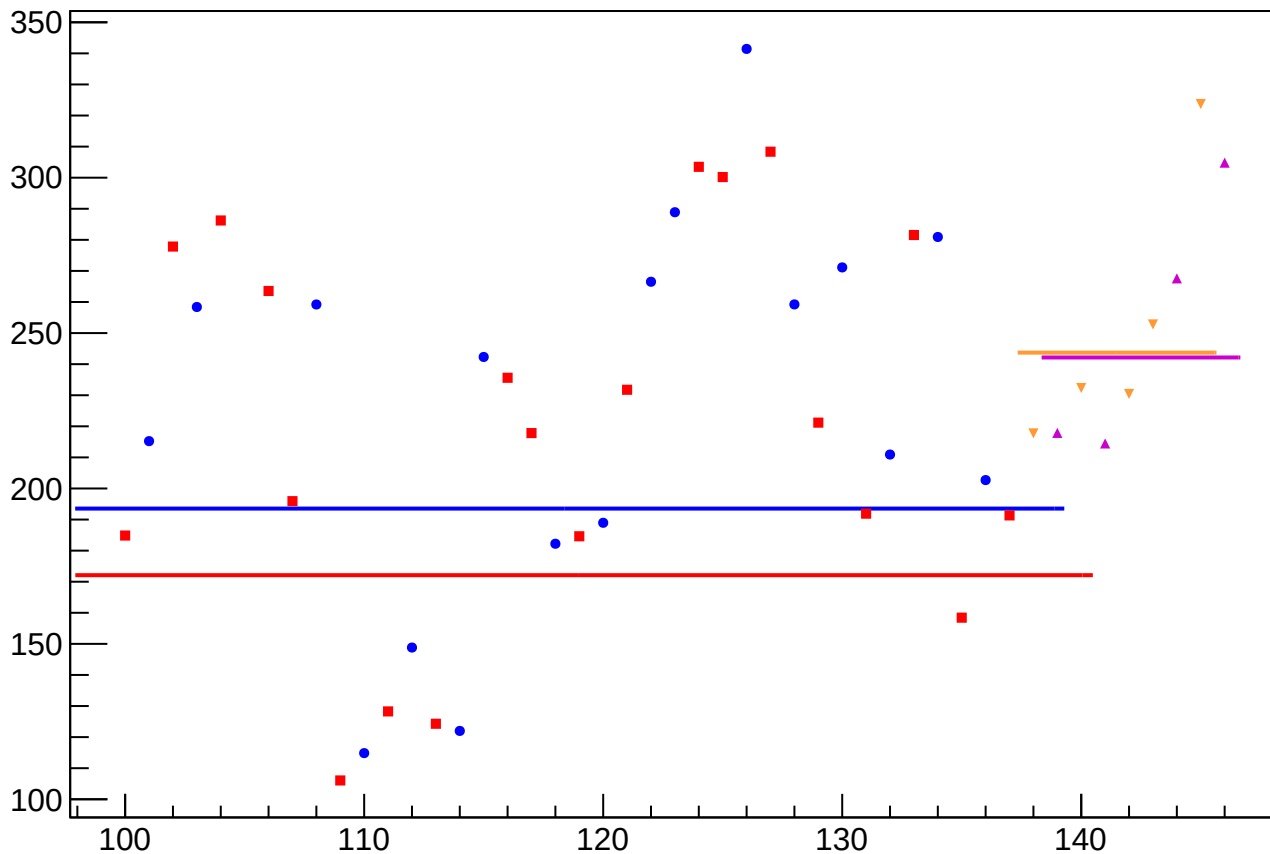
Left In: 154.628 ± 137.788 χ^2/NDF : 2.2/3

76.264 ± 68.315 χ^2/NDF : 7.6/21

53.369 ± 46.026 χ^2/NDF : 17.3/45

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 χ^2/NDF : 1010428.2/16

Left Out: 243.717+/-0.096 χ^2/NDF :121949.8/4

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

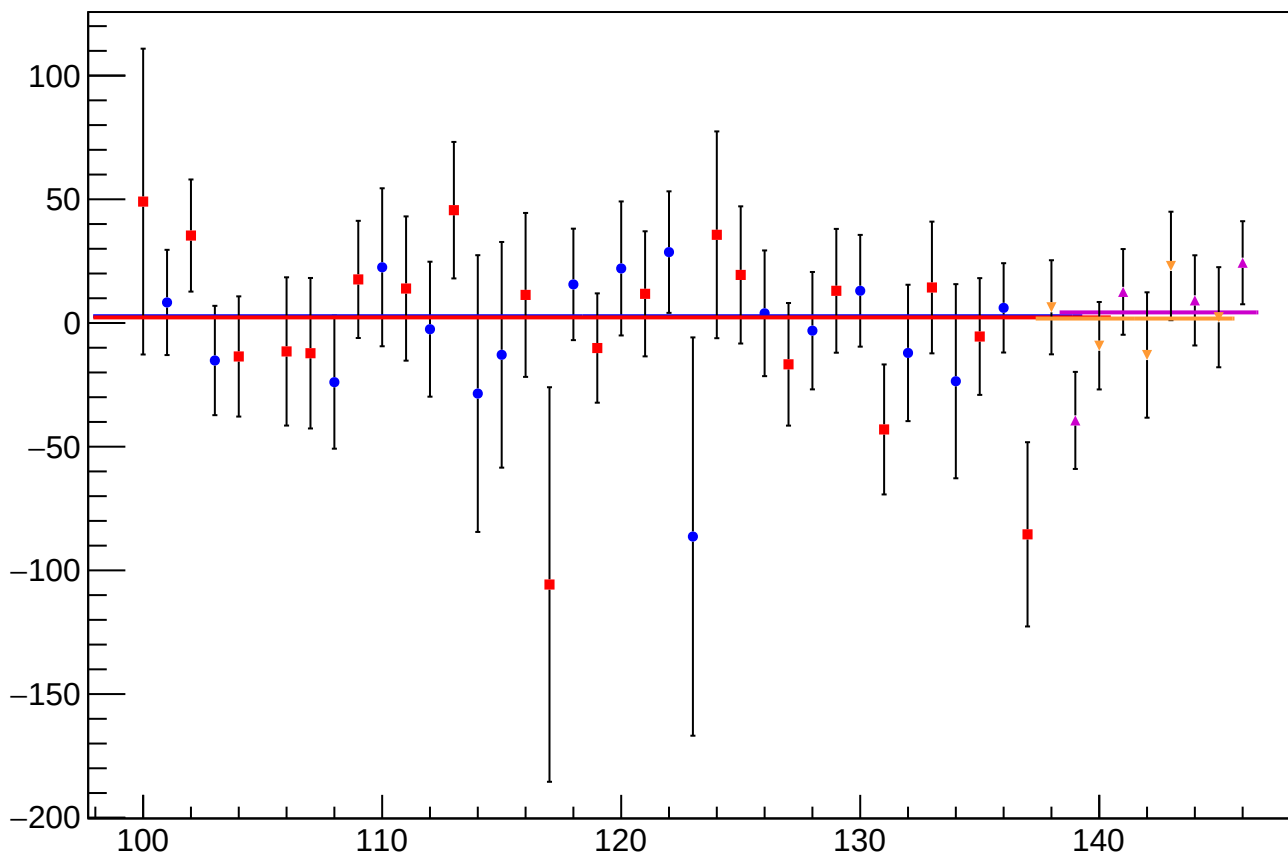
Left In: 242.149+/-0.097 χ^2/NDF :127463.0/3

206.212+/-0.048 χ^2/NDF : 1336159.8/21

195.402+/-0.033 χ^2/NDF : 3547268.2/45

186.416+/-0.044 χ^2/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: 1.797 $\pm$ 9.112 χ^2 /NDF: 1.7/4

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

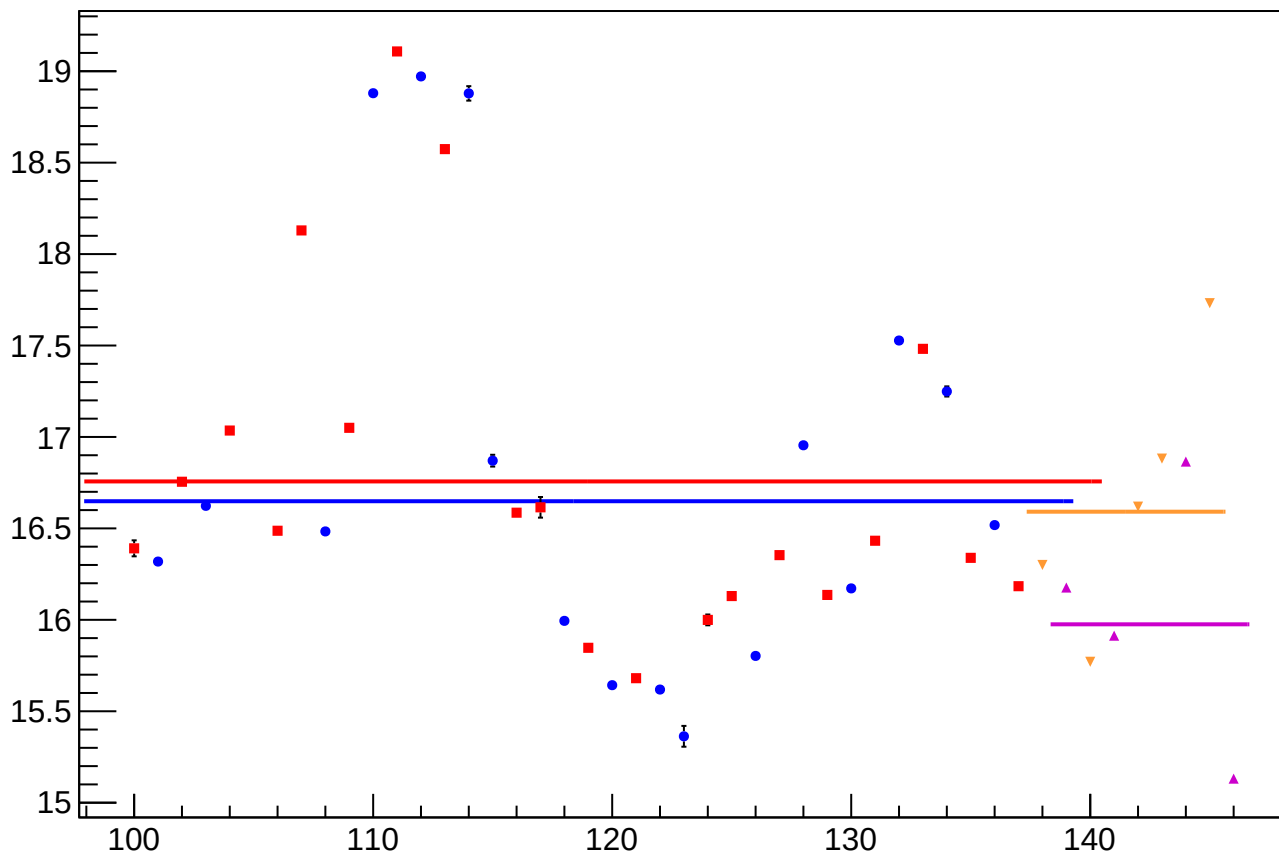
Left In: 4.282 $\pm$ 8.949 χ^2 /NDF: 6.7/3

2.423 $\pm$ 5.251 χ^2 /NDF: 8.5/21

2.679 $\pm$ 3.669 χ^2 /NDF: 34.8/45

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: 16.591 $\pm$ 0.006 χ^2/NDF : 11485.7/4

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

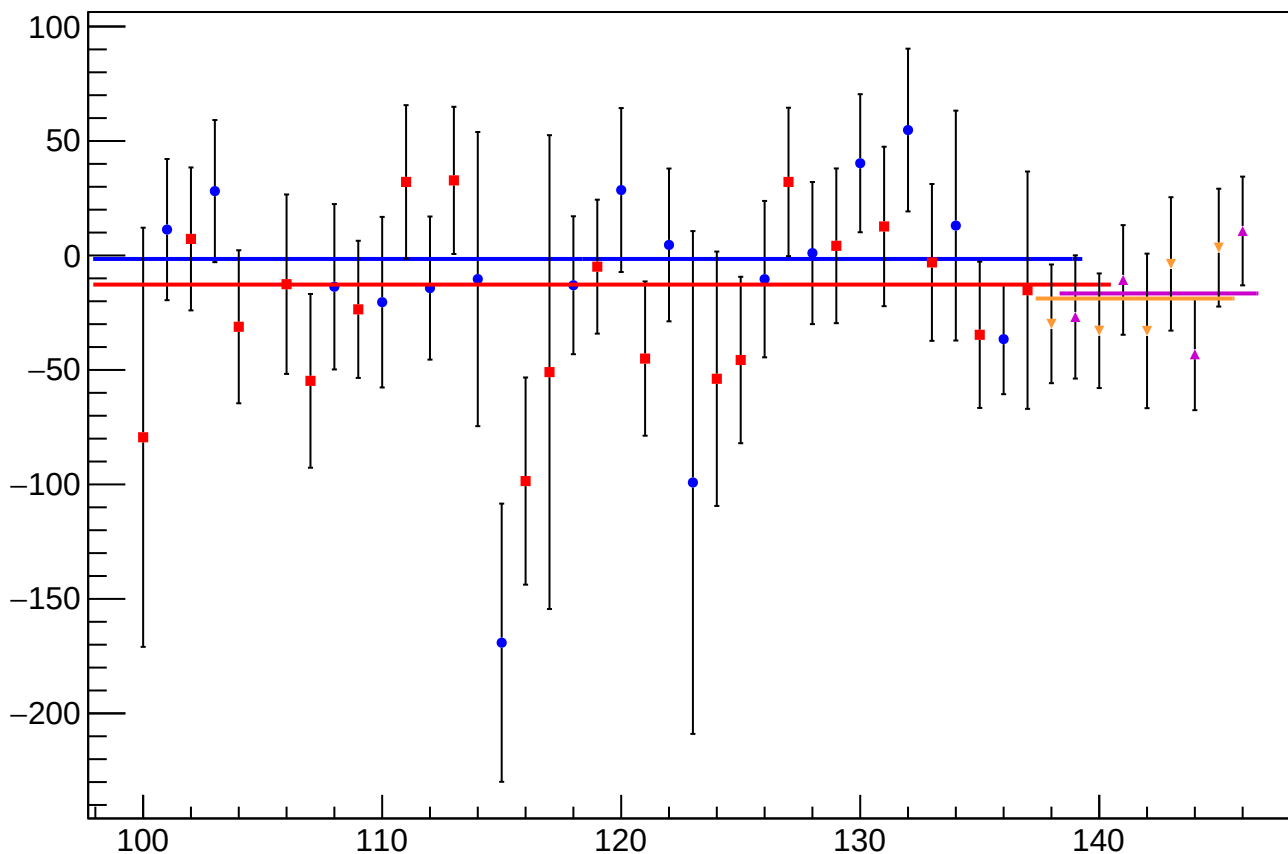
Left In: 15.975 $\pm$ 0.006 χ^2/NDF : 10055.2/3

16.630 $\pm$ 0.004 χ^2/NDF : 54105.3/21

16.563 $\pm$ 0.003 χ^2/NDF : 114978.0/45

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 χ^2/NDF : 17.6/16

Left Out: -18.806 ± 12.263 χ^2/NDF : 1.7/4

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

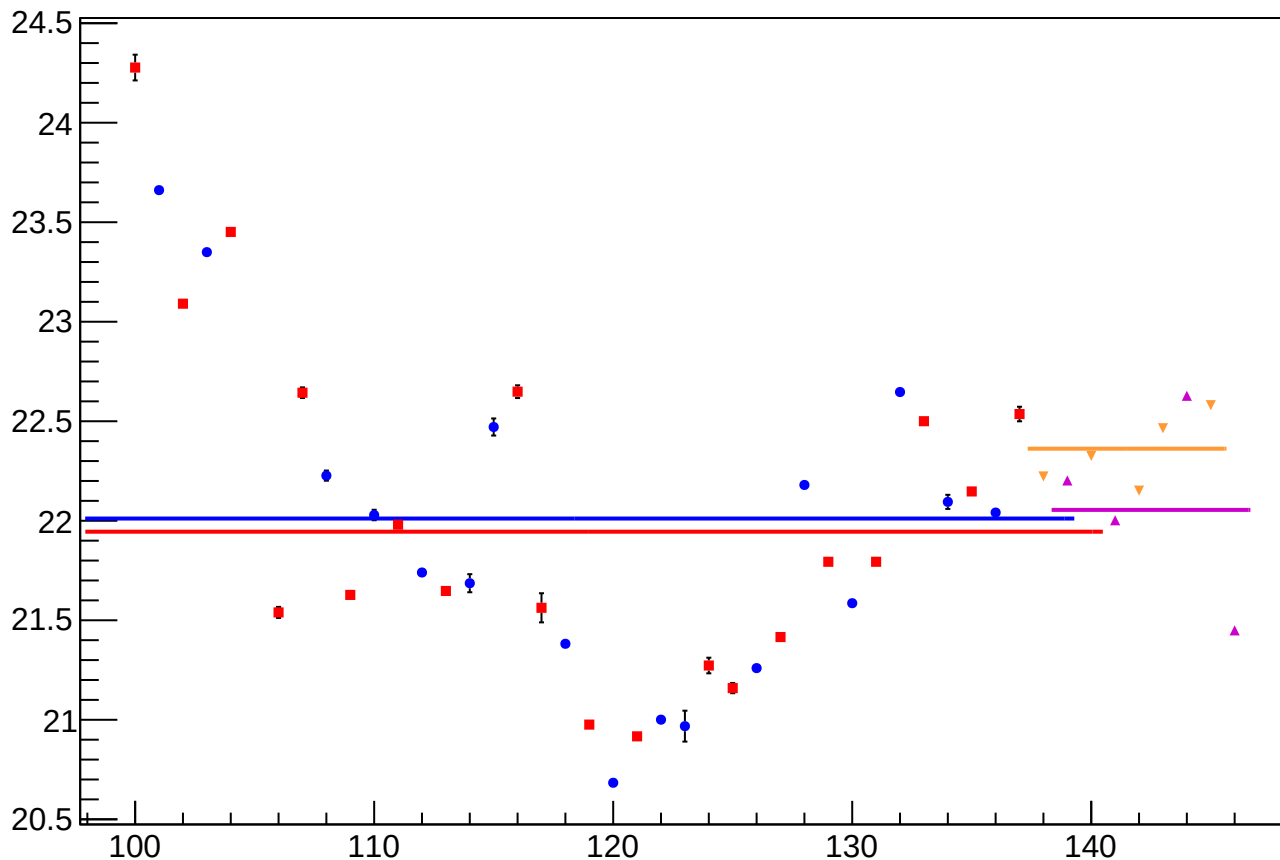
Left In: -16.585 ± 12.333 χ^2/NDF : 2.7/3

-7.119 ± 6.978 χ^2/NDF : 20.7/21

-10.586 ± 4.877 χ^2/NDF : 39.7/45

-13.899 ± 6.820 χ^2/NDF : 18.5/23

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.011 $\pm$ 0.006 χ^2/NDF : 17546.9/16

Left Out: 22.362 $\pm$ 0.009 χ^2/NDF : 309.2/4

Right Out: 21.945 $\pm$ 0.006 χ^2/NDF : 16620.2/19

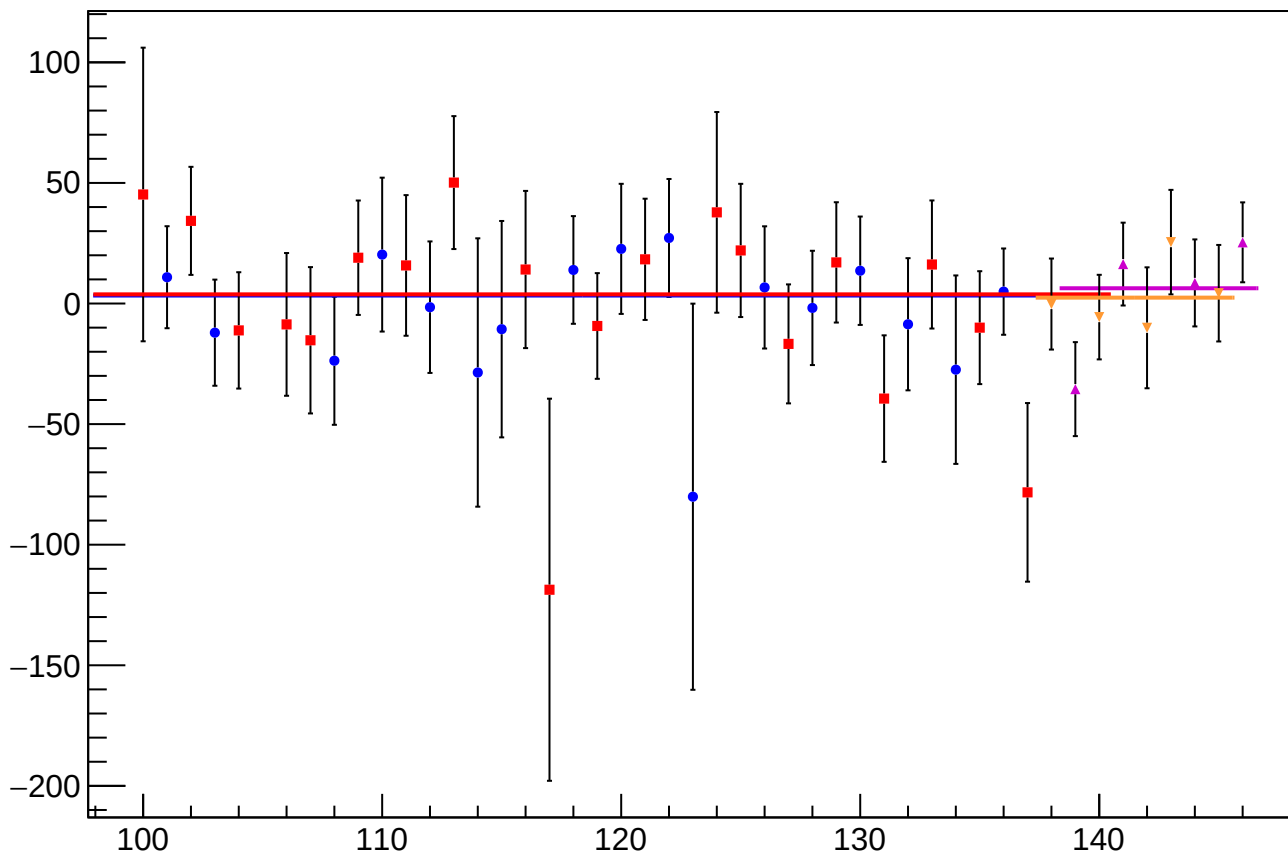
Left In: 22.055 $\pm$ 0.009 χ^2/NDF : 2471.5/3

22.125 $\pm$ 0.005 χ^2/NDF : 18964.0/21

22.050 $\pm$ 0.003 χ^2/NDF : 38614.8/45

21.979 $\pm$ 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: 2.438 $\pm$ 9.025 χ^2 /NDF: 1.6/4

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

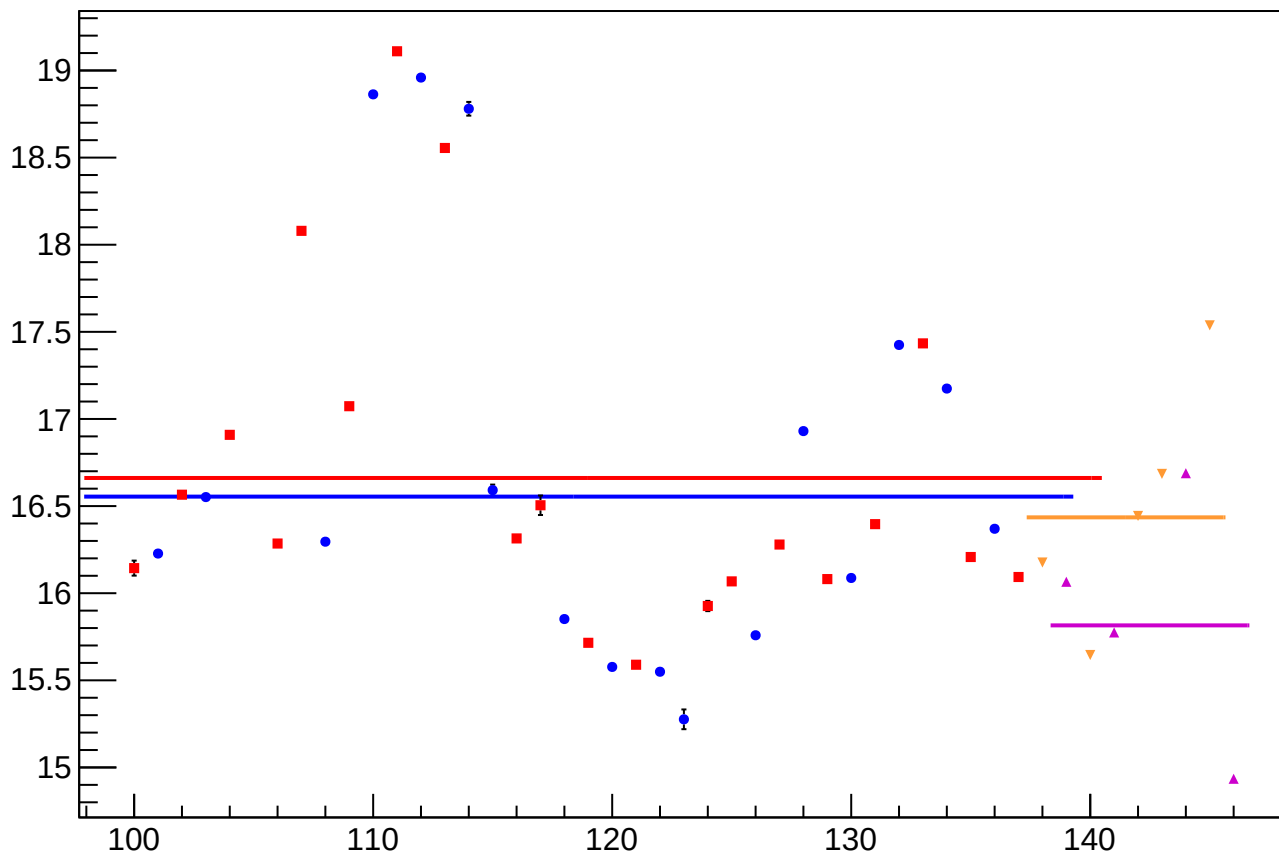
Left In: 6.327 $\pm$ 8.860 χ^2 /NDF: 6.3/3

3.023 $\pm$ 5.214 χ^2 /NDF: 7.9/21

3.848 $\pm$ 3.643 χ^2 /NDF: 34.4/45

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: 16.435+/-0.006 χ^2/NDF : 10766.4/4

Right Out: 16.661+/-0.004 χ^2/NDF : 43071.4/19

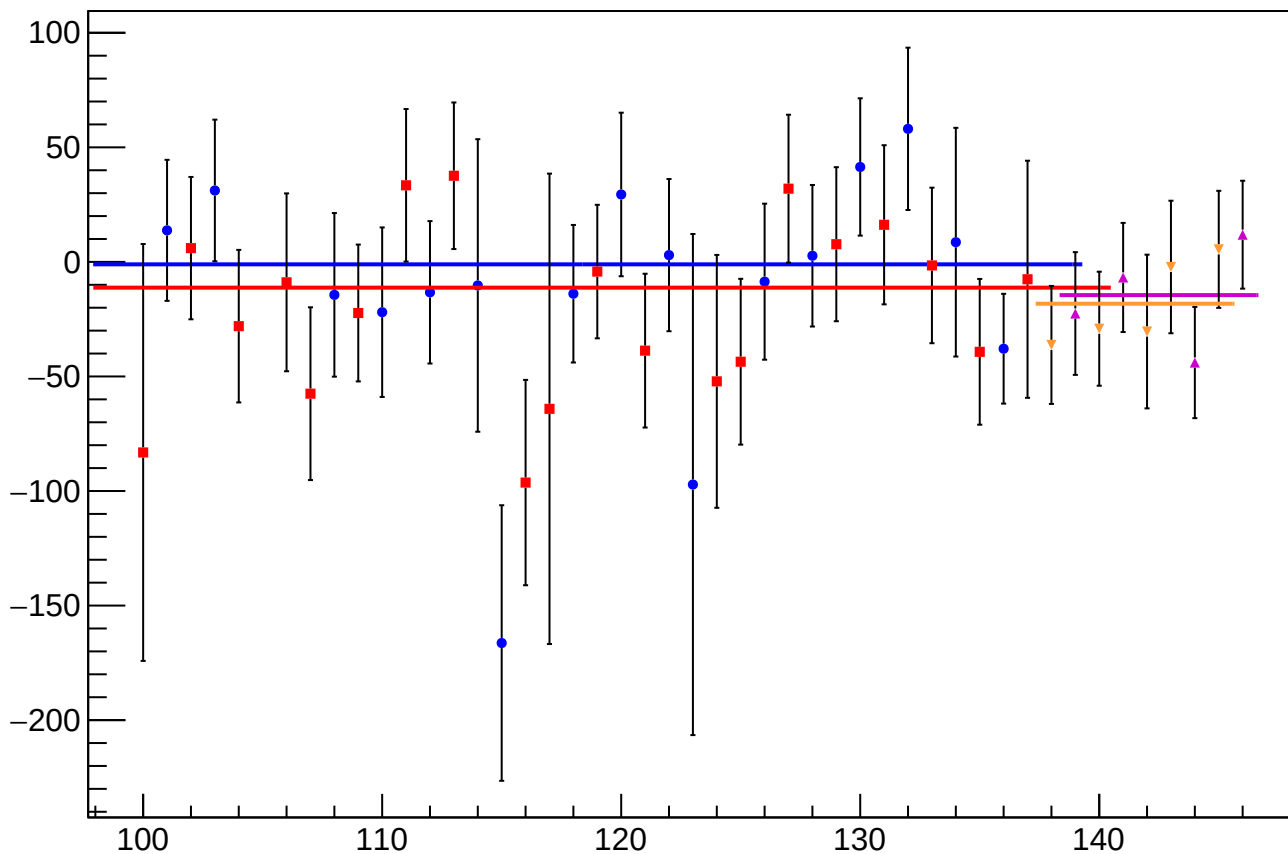
Left In: 15.815+/-0.006 χ^2/NDF : 10674.2/3

16.515+/-0.004 χ^2/NDF : 55473.4/21

16.447+/-0.003 χ^2/NDF : 122092.7/45

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: -18.252 ± 12.183 $\chi^2/\text{NDF}: 2.0/4$

Right Out: -11.235 ± 8.143 $\chi^2/\text{NDF}: 16.5/19$

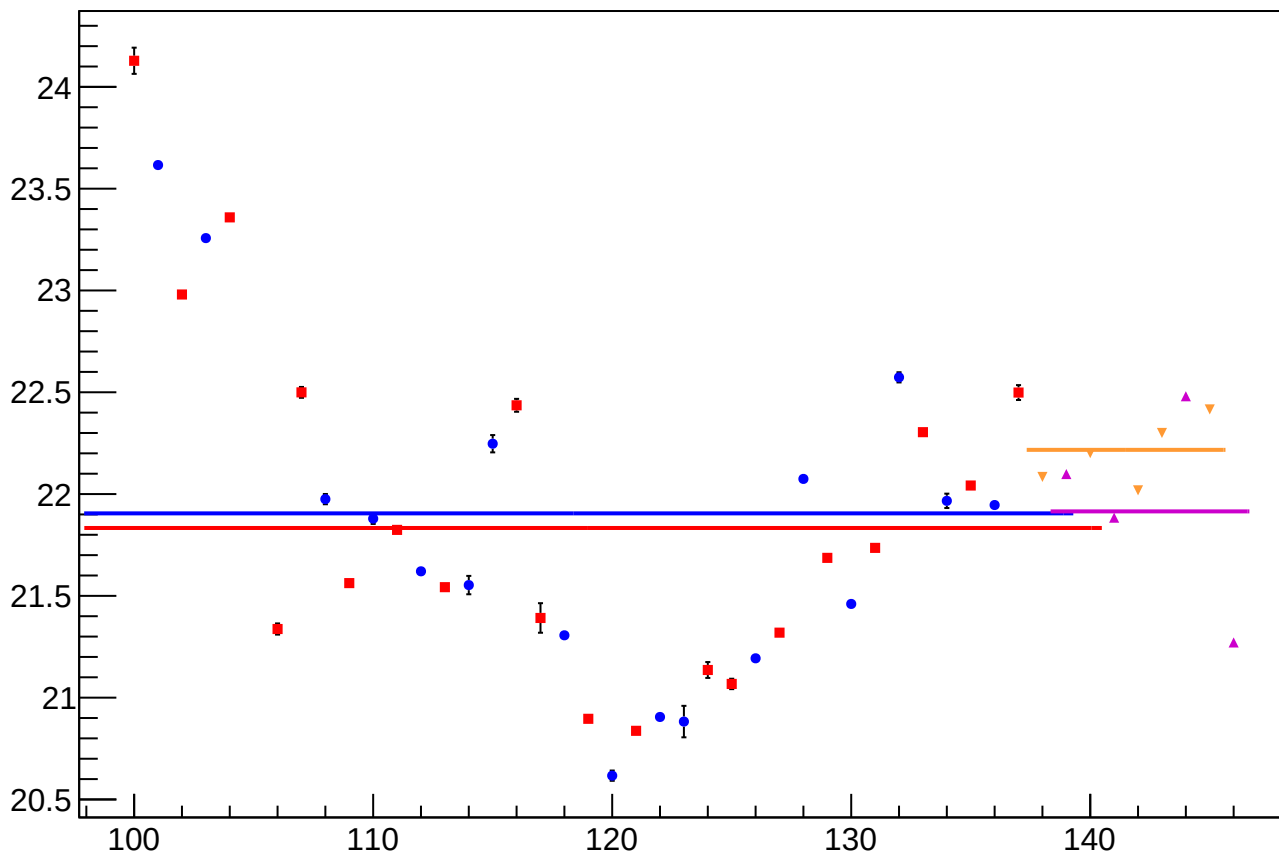
Left In: -14.496 ± 12.255 $\chi^2/\text{NDF}: 2.9/3$

-6.645 ± 6.940 $\chi^2/\text{NDF}: 21.8/21$

-9.504 ± 4.851 $\chi^2/\text{NDF}: 41.6/45$

-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 $\chi^2/\text{NDF}: 17794.2/16$

Left Out: 22.217 ± 0.009 $\chi^2/\text{NDF}: 261.8/4$

Right Out: 21.833 ± 0.006 $\chi^2/\text{NDF}: 16288.5/19$

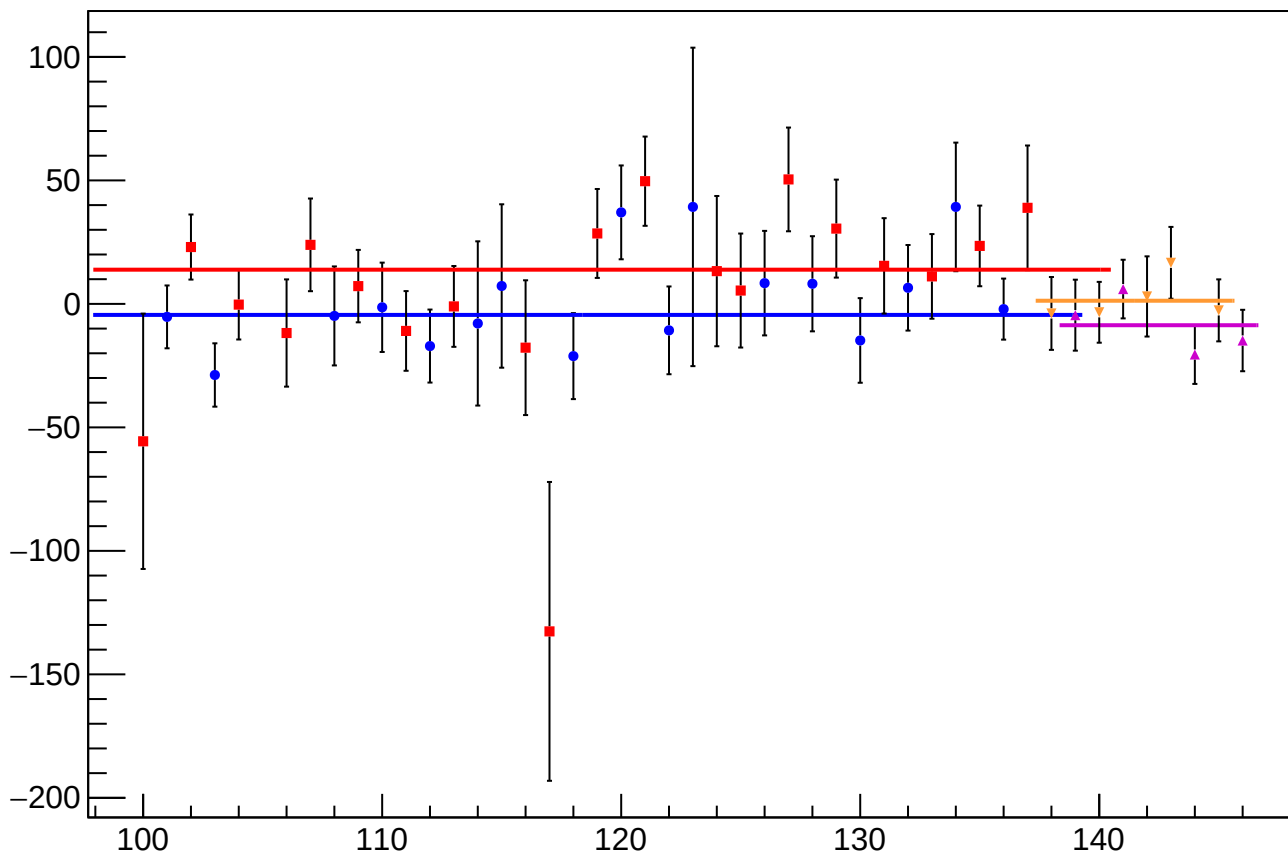
Left In: 21.915 ± 0.009 $\chi^2/\text{NDF}: 2677.9/3$

22.006 ± 0.005 $\chi^2/\text{NDF}: 18942.0/21$

21.931 ± 0.003 $\chi^2/\text{NDF}: 38435.4/45$

21.858 ± 0.005 $\chi^2/\text{NDF}: 19027.7/23$

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: 1.280 ± 6.194 χ^2/NDF : 1.5/4

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

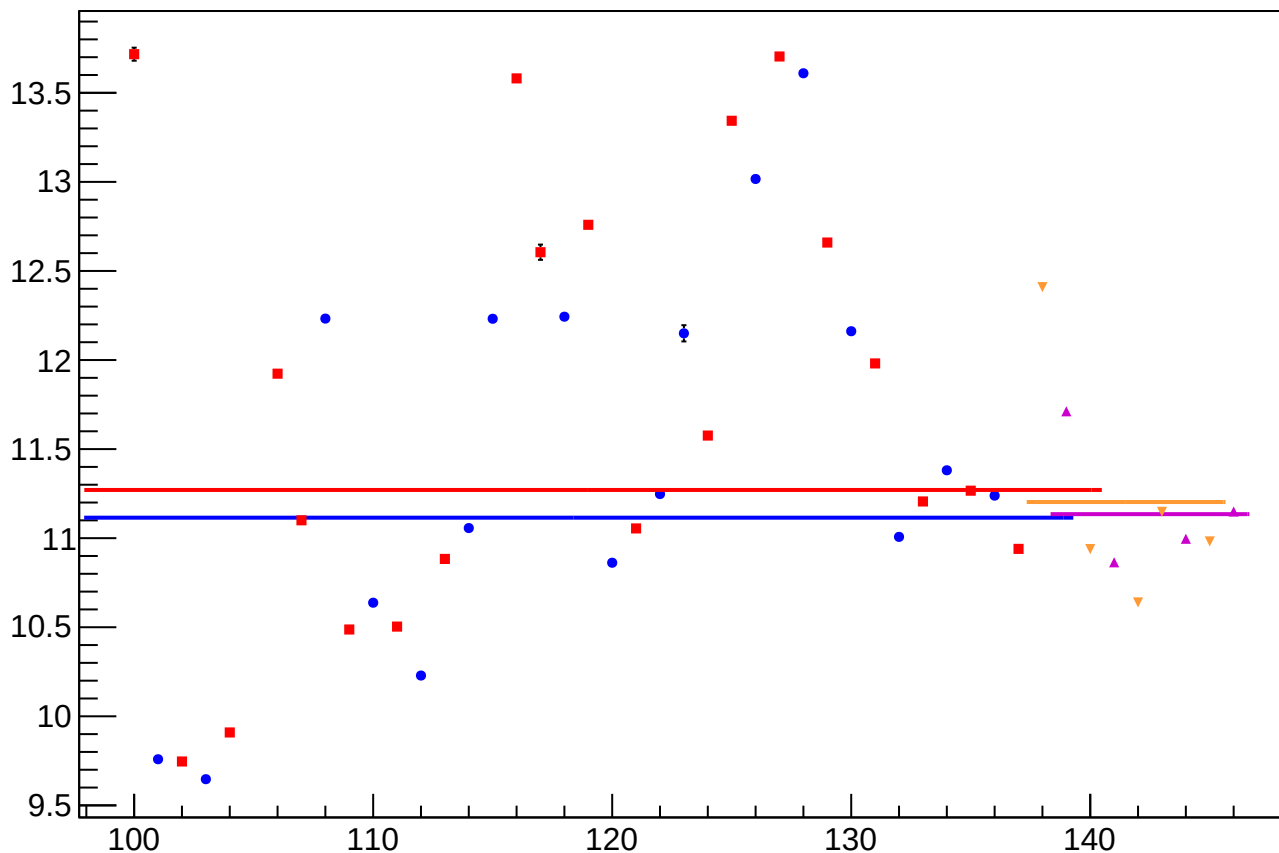
Left In: -8.635 ± 6.268 χ^2/NDF : 2.8/3

-2.577 ± 3.548 χ^2/NDF : 17.3/21

2.130 ± 2.499 χ^2/NDF : 57.8/45

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 $\pm$ 0.003 χ^2 /NDF: 133059.3/16

Left Out: 11.203 $\pm$ 0.004 χ^2 /NDF:17359.7/4

Right Out: 11.271 $\pm$ 0.003 χ^2 /NDF: 148461.6/19

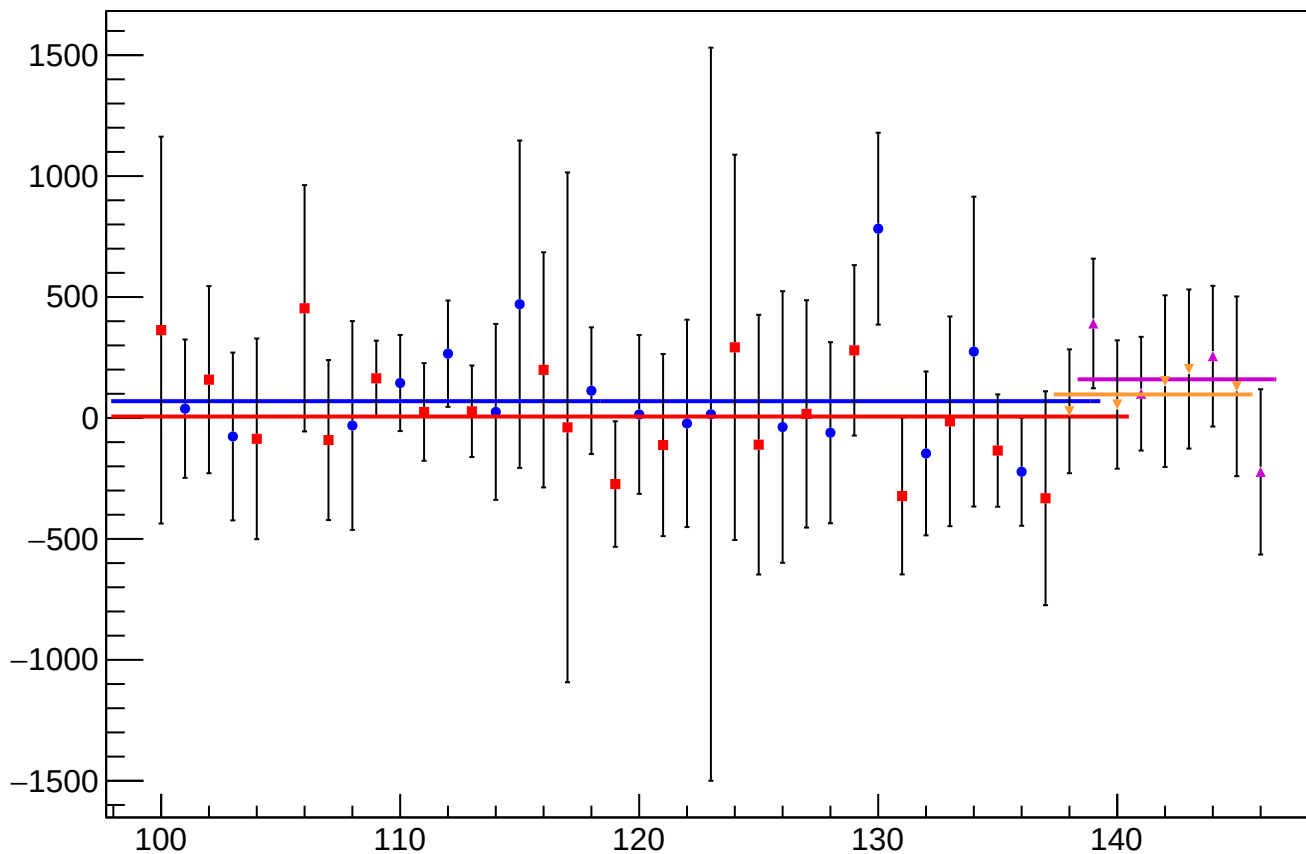
Left In: 11.135 $\pm$ 0.004 χ^2 /NDF:4538.1/3

11.144 $\pm$ 0.003 χ^2 /NDF: 150689.1/21

11.186 $\pm$ 0.002 χ^2 /NDF: 304895.1/45

11.228 $\pm$ 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: 97.257+/-136.236 χ^2/NDF : 0.2/4

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

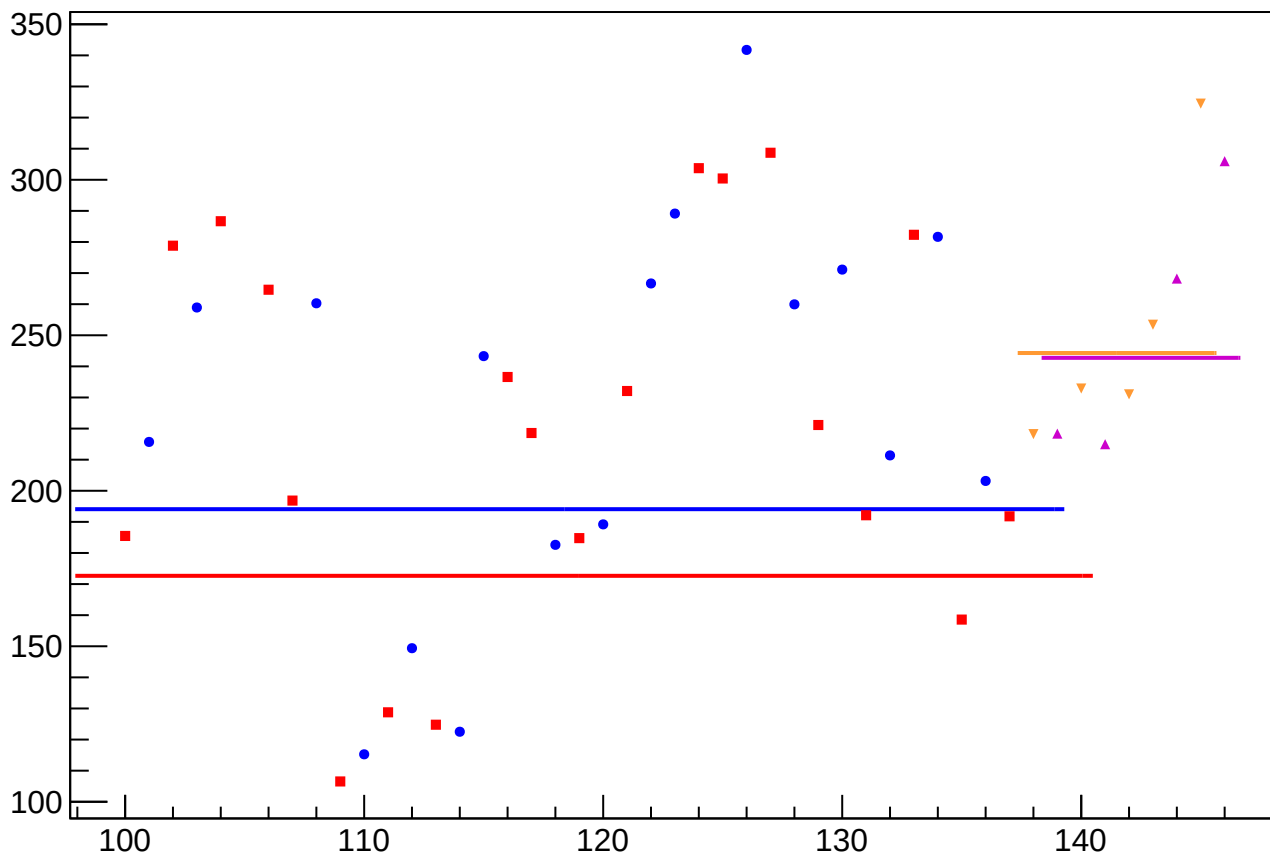
Left In: 159.763+/-138.139 χ^2/NDF : 2.2/3

76.493+/-68.491 χ^2/NDF : 7.5/21

55.168+/-46.151 χ^2/NDF : 17.3/45

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: 244.298 $\pm$ 0.096 χ^2 /NDF:121996.9/4

Right Out: 172.655 $\pm$ 0.050 χ^2 /NDF: 1573277.0/19

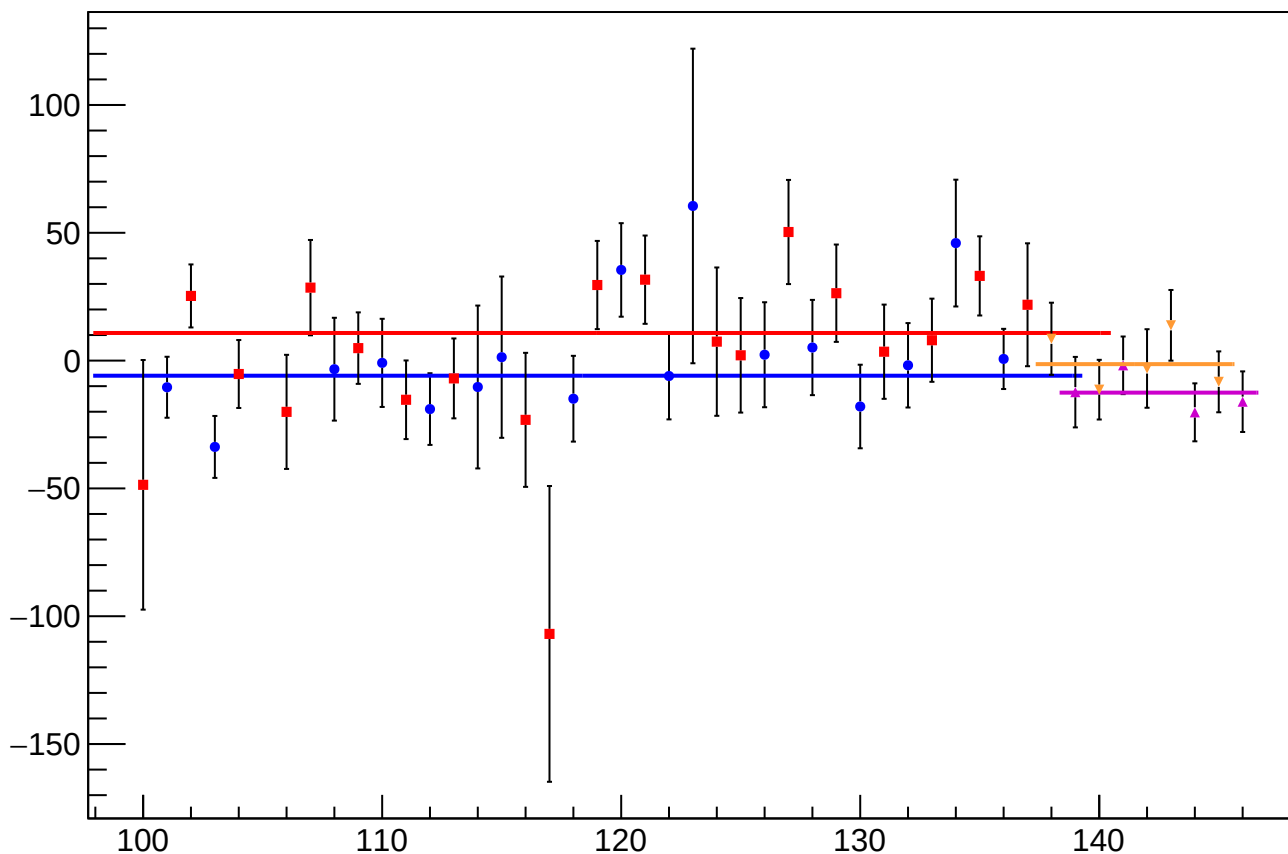
Left In: 242.748 $\pm$ 0.098 χ^2 /NDF:128264.5/3

206.773 $\pm$ 0.048 χ^2 /NDF: 1330443.8/21

195.970 $\pm$ 0.033 χ^2 /NDF: 3532781.3/45

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 ± 4.133 χ^2/NDF : 18.8/16

Left Out: -1.381 ± 5.885 χ^2/NDF : 2.8/4

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

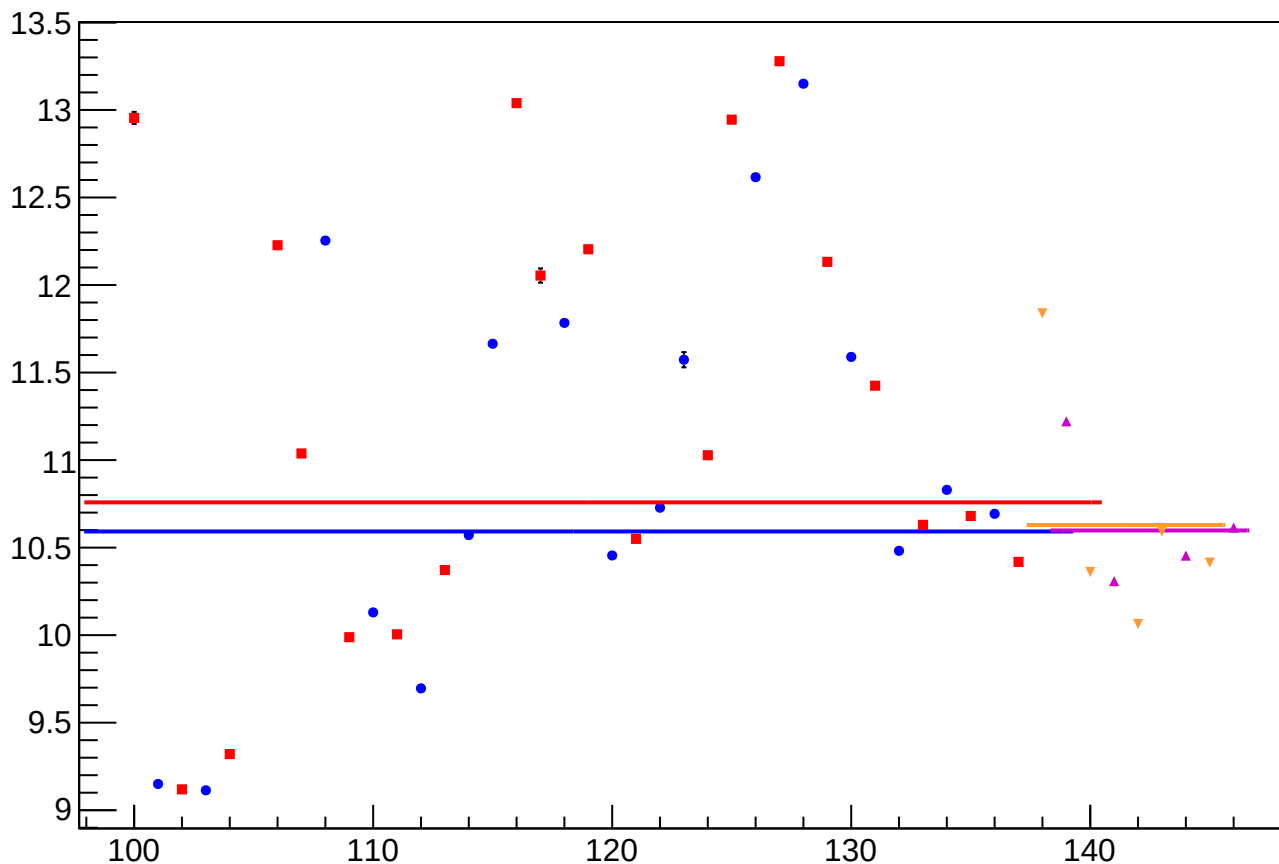
Left In: -12.533 ± 5.973 χ^2/NDF : 1.4/3

-4.416 ± 3.382 χ^2/NDF : 22.0/21

-0.480 ± 2.385 χ^2/NDF : 63.6/45

3.410 ± 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: 10.629 $\pm$ 0.004 χ^2/NDF : 19110.9/4

Right Out: 10.758 $\pm$ 0.003 χ^2/NDF : 177903.3/19

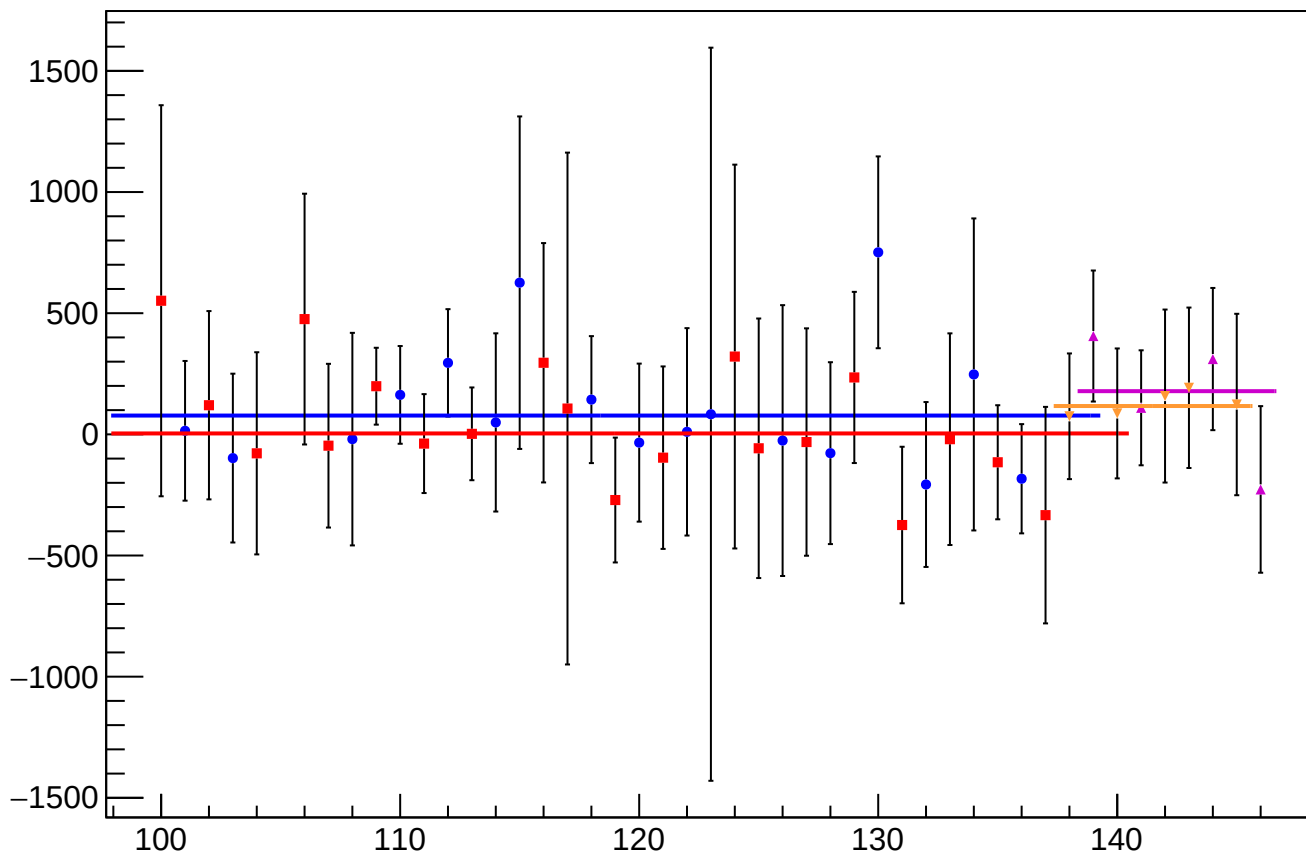
Left In: 10.598 $\pm$ 0.004 χ^2/NDF : 5732.9/3

10.604 $\pm$ 0.002 χ^2/NDF : 179561.7/21

10.656 $\pm$ 0.002 χ^2/NDF : 365119.2/45

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 $\pm$ 79.751 χ^2 /NDF: 7.6/16

Left Out: 116.935 $\pm$ 137.511 χ^2 /NDF: 0.1/4

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

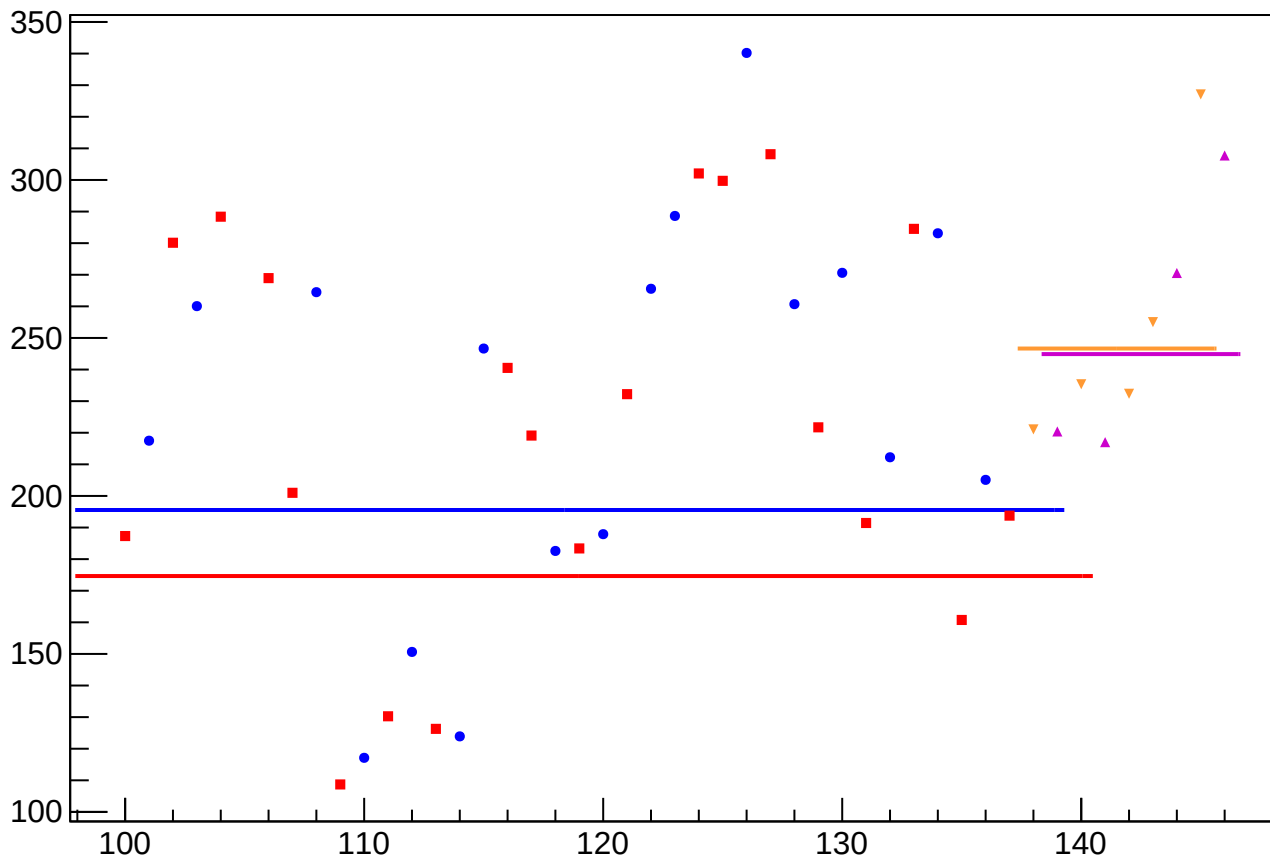
Left In: 178.247 $\pm$ 139.317 χ^2 /NDF: 2.4/3

87.492 $\pm$ 68.988 χ^2 /NDF: 7.7/21

61.338 $\pm$ 46.538 χ^2 /NDF: 19.0/45

39.497 $\pm$ 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: 246.652 $\pm$ 0.097 χ^2 /NDF:119826.1/4

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

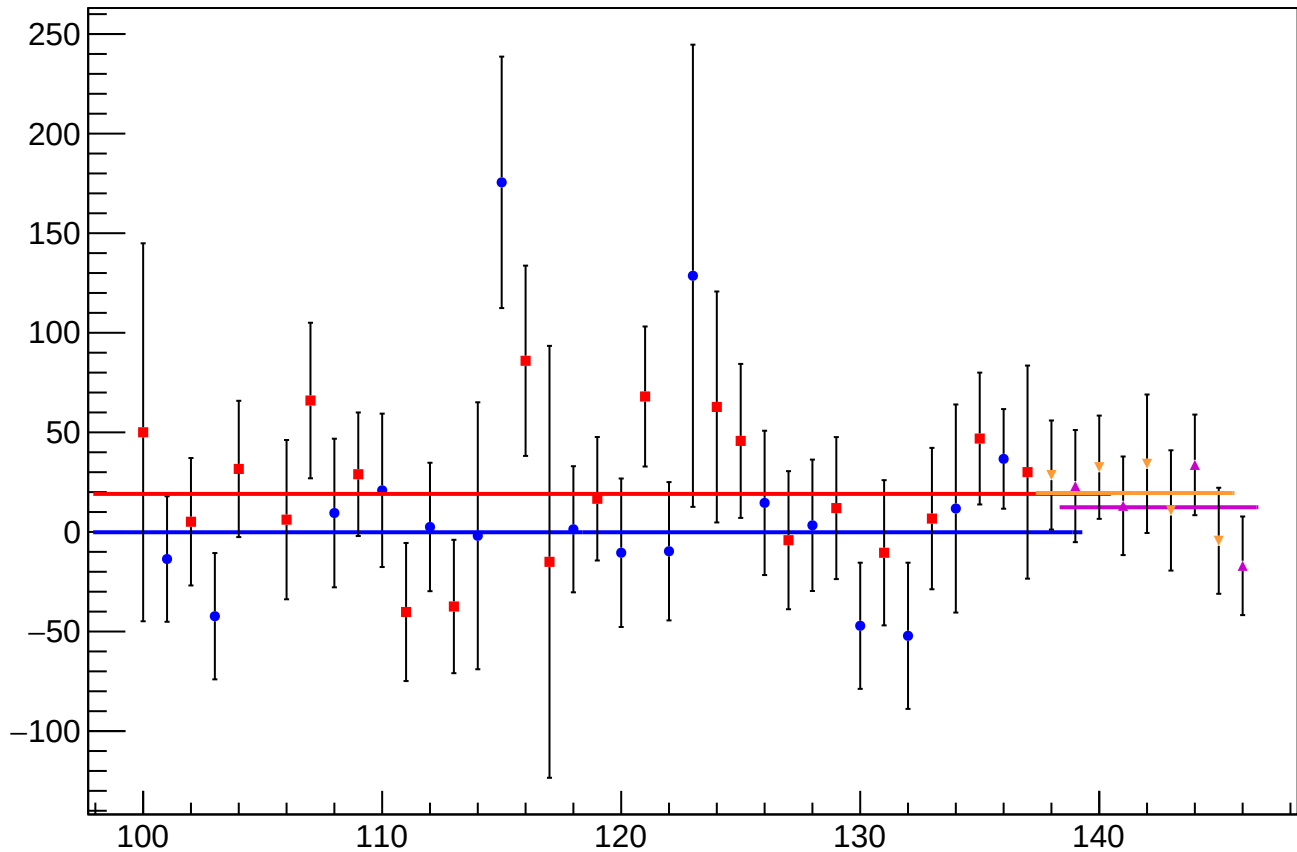
Left In: 244.893 $\pm$ 0.099 χ^2 /NDF:126167.8/3

208.413 $\pm$ 0.049 χ^2 /NDF: 1306437.8/21

197.852 $\pm$ 0.033 χ^2 /NDF: 3455119.4/45

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: 19.551 ± 12.746 $\chi^2/\text{NDF}: 1.4/4$

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

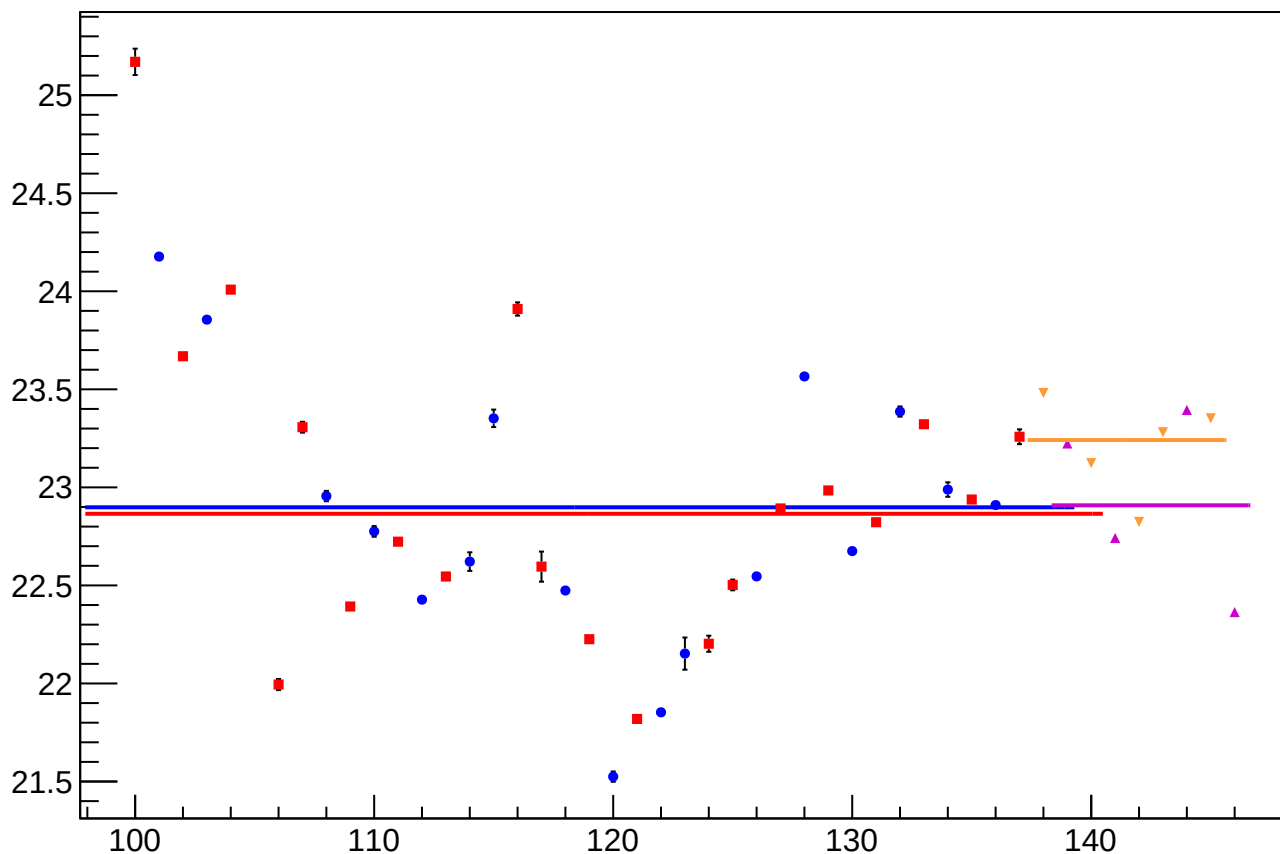
Left In: 12.394 ± 12.811 $\chi^2/\text{NDF}: 2.3/3$

6.229 ± 7.256 $\chi^2/\text{NDF}: 21.1/21$

11.756 ± 5.074 $\chi^2/\text{NDF}: 39.6/45$

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 $\pm$ 0.006 χ^2 /NDF: 12143.3/16

Left Out: 23.241 $\pm$ 0.009 χ^2 /NDF: 521.5/4

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

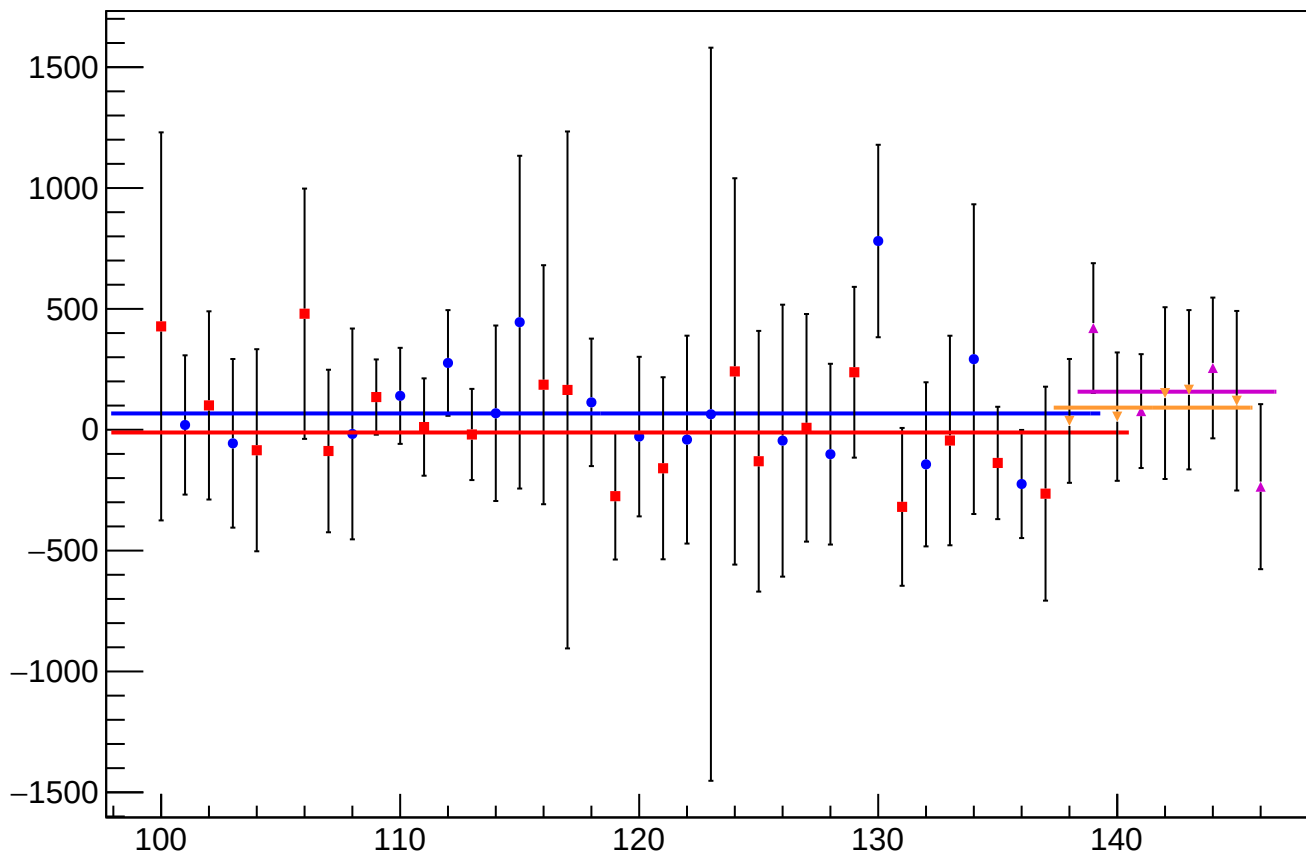
Left In: 22.909 $\pm$ 0.009 χ^2 /NDF: 2049.6/3

23.009 $\pm$ 0.005 χ^2 /NDF: 13643.4/21

22.943 $\pm$ 0.004 χ^2 /NDF: 27102.3/45

22.879 $\pm$ 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+/-79.404 χ^2/NDF : 7.4/16

Left Out: 91.484+/-136.348 χ^2/NDF : 0.2/4

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

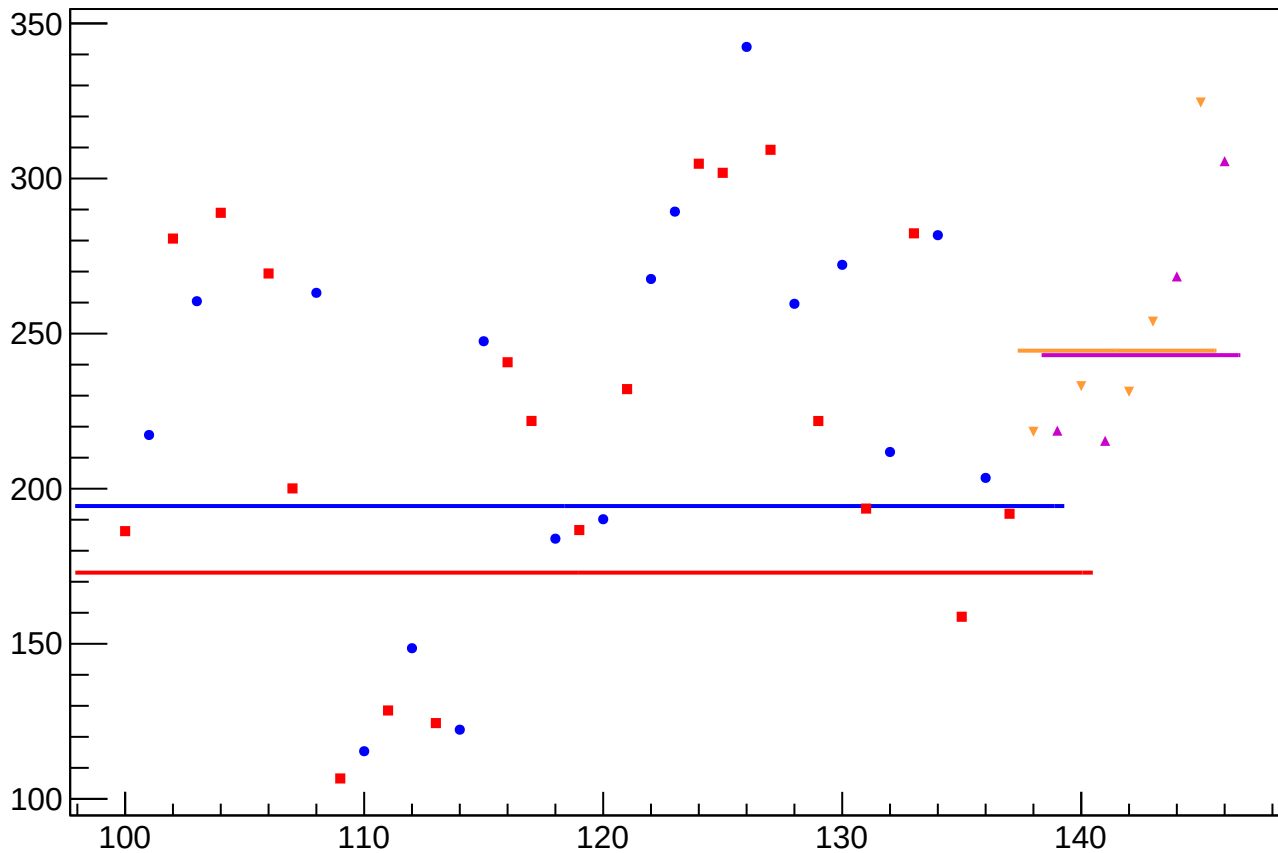
Left In: 157.386+/-138.288 χ^2/NDF : 2.5/3

73.536+/-68.617 χ^2/NDF : 7.6/21

46.076+/-46.245 χ^2/NDF : 17.3/45

23.221+/-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: 244.507 $\pm$ 0.096 χ^2 /NDF:121723.2/4

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

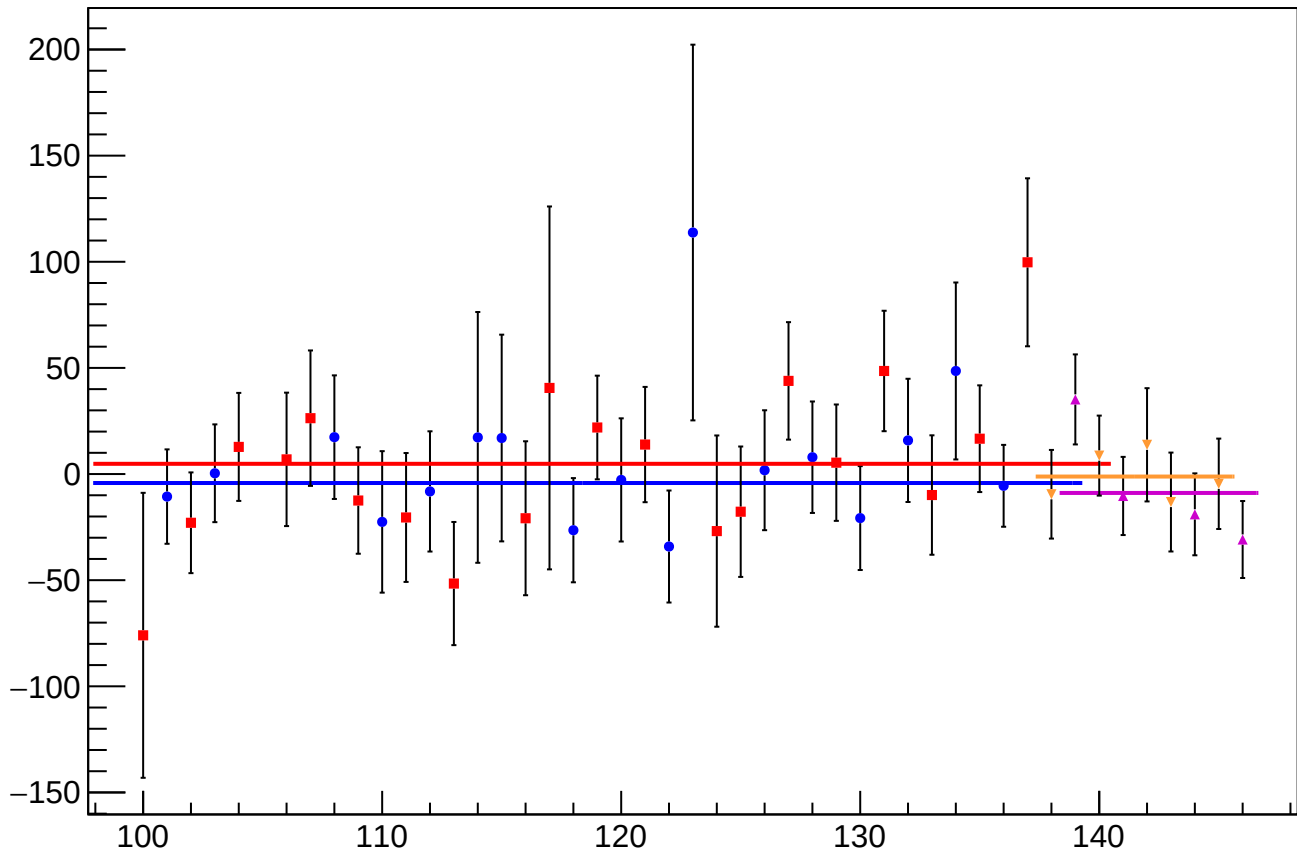
Left In: 243.061 $\pm$ 0.098 χ^2 /NDF:126268.3/3

207.098 $\pm$ 0.049 χ^2 /NDF: 1343252.6/21

196.298 $\pm$ 0.033 χ^2 /NDF: 3570089.7/45

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: -1.180+/-9.730 χ^2/NDF : 1.0/4

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

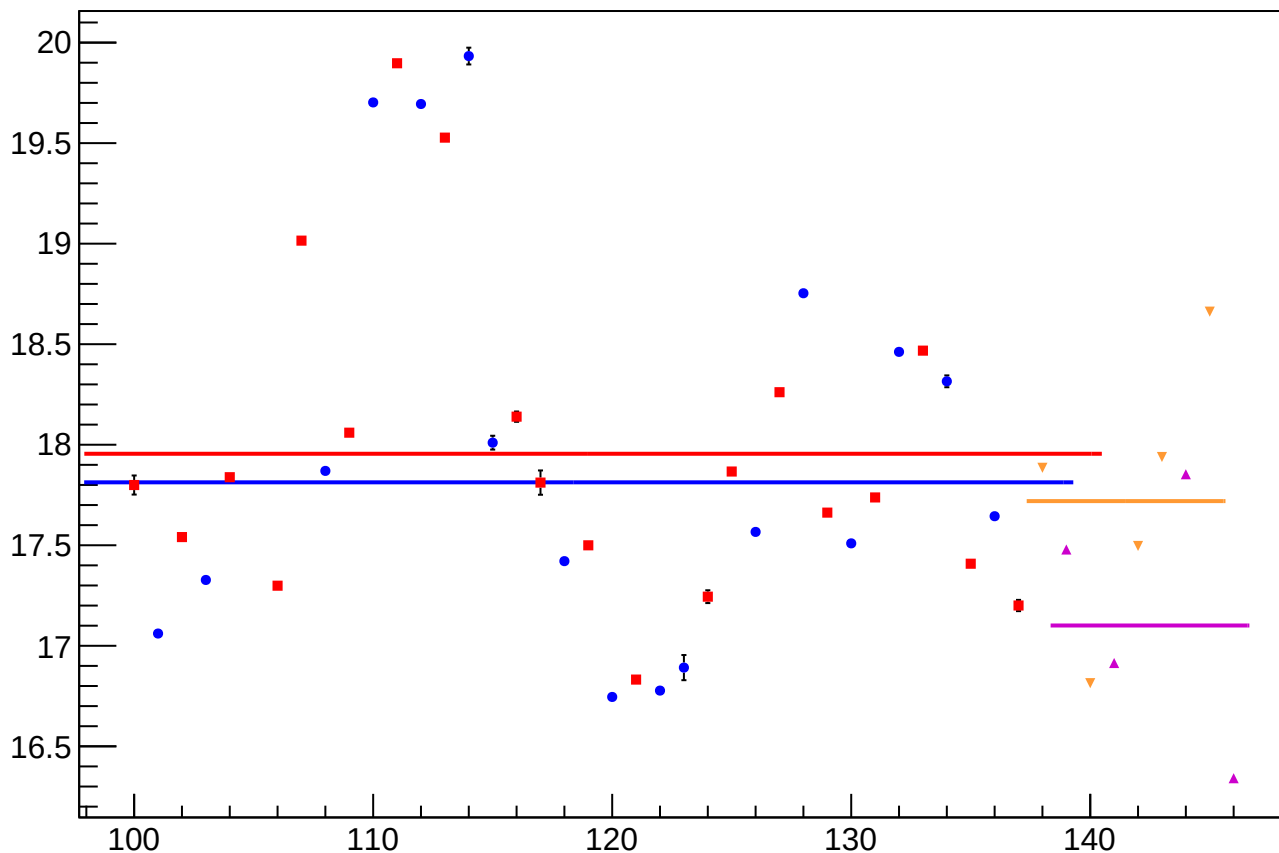
Left In: -8.908+/-9.578 χ^2/NDF : 6.1/3

-3.210+/-5.613 χ^2/NDF : 9.1/21

-1.414+/-3.926 χ^2/NDF : 38.0/45

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 ± 0.005 χ^2/NDF : 32034.8/16

Left Out: 17.720 ± 0.007 χ^2/NDF : 8977.0/4

Right Out: 17.955 ± 0.005 χ^2/NDF : 25451.0/19

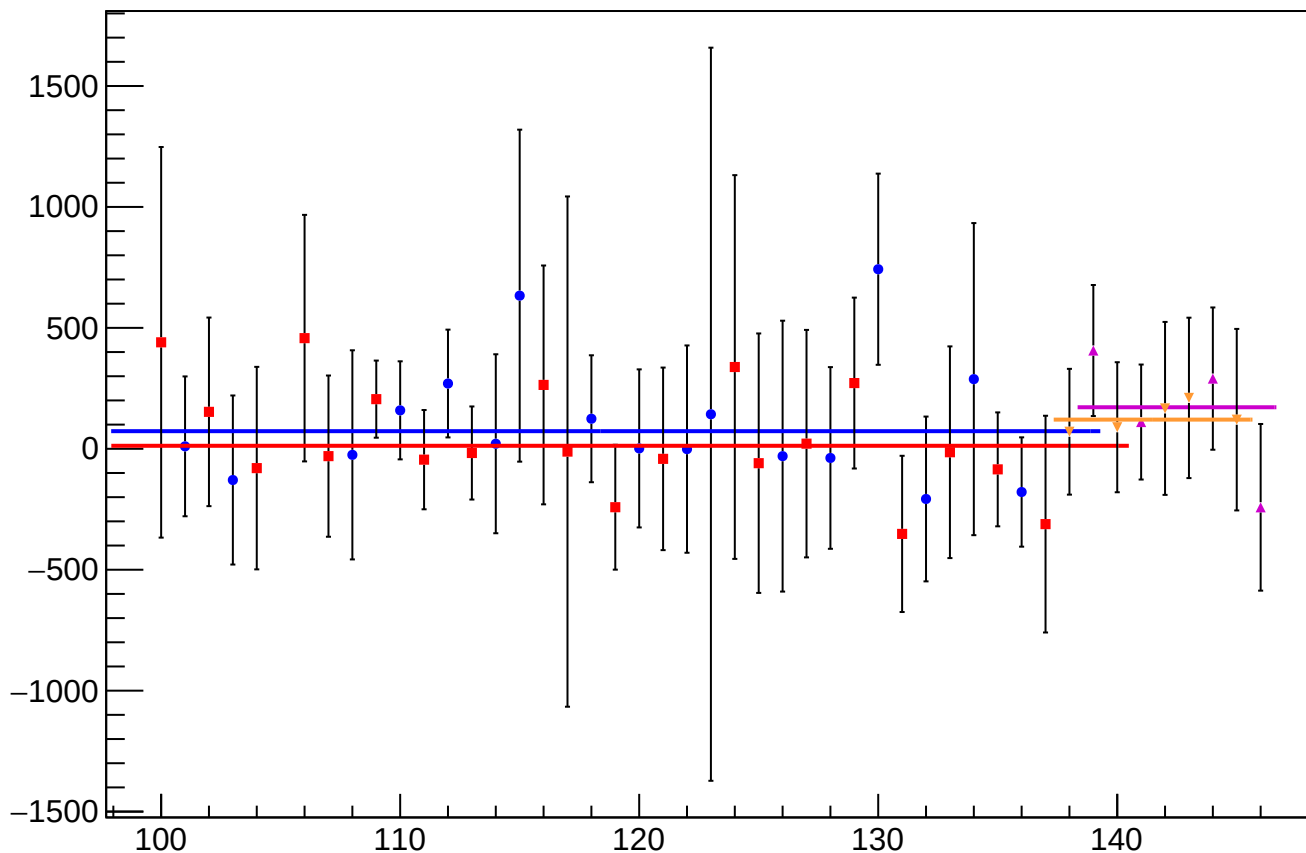
Left In: 17.101 ± 0.007 χ^2/NDF : 7391.4/3

17.782 ± 0.004 χ^2/NDF : 41134.6/21

17.727 ± 0.003 χ^2/NDF : 85027.1/45

17.674 ± 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 $\pm$ 79.948 χ^2 /NDF: 7.2/16

Left Out: 120.676 $\pm$ 137.822 χ^2 /NDF:0.1/4

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

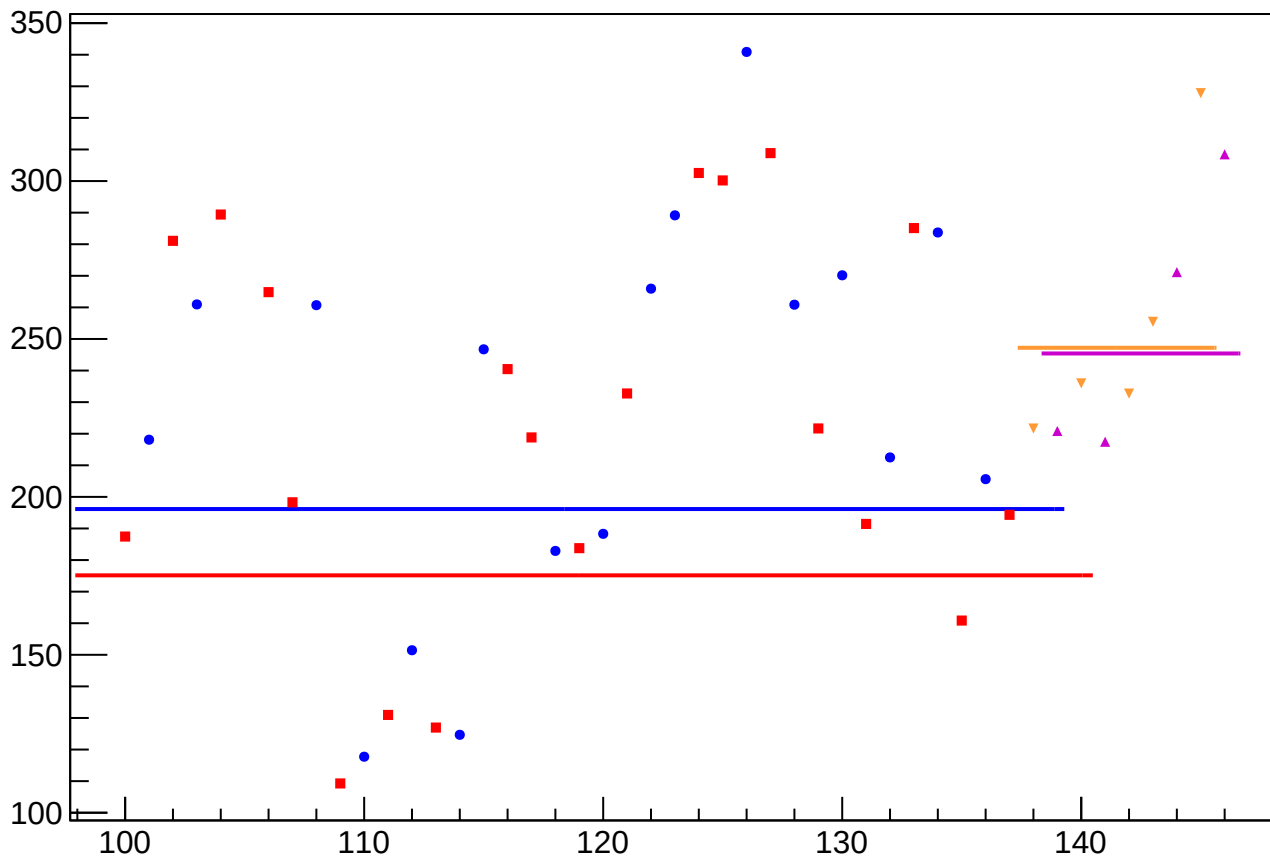
Left In: 171.752 $\pm$ 139.613 χ^2 /NDF:2.4/3

84.920 $\pm$ 69.155 χ^2 /NDF: 7.4/21

63.205 $\pm$ 46.645 χ^2 /NDF: 17.8/45

45.080 $\pm$ 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 $\pm$ 0.057 χ^2 /NDF: 964998.4/16

Left Out: 247.212 $\pm$ 0.097 χ^2 /NDF:119697.4/4

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

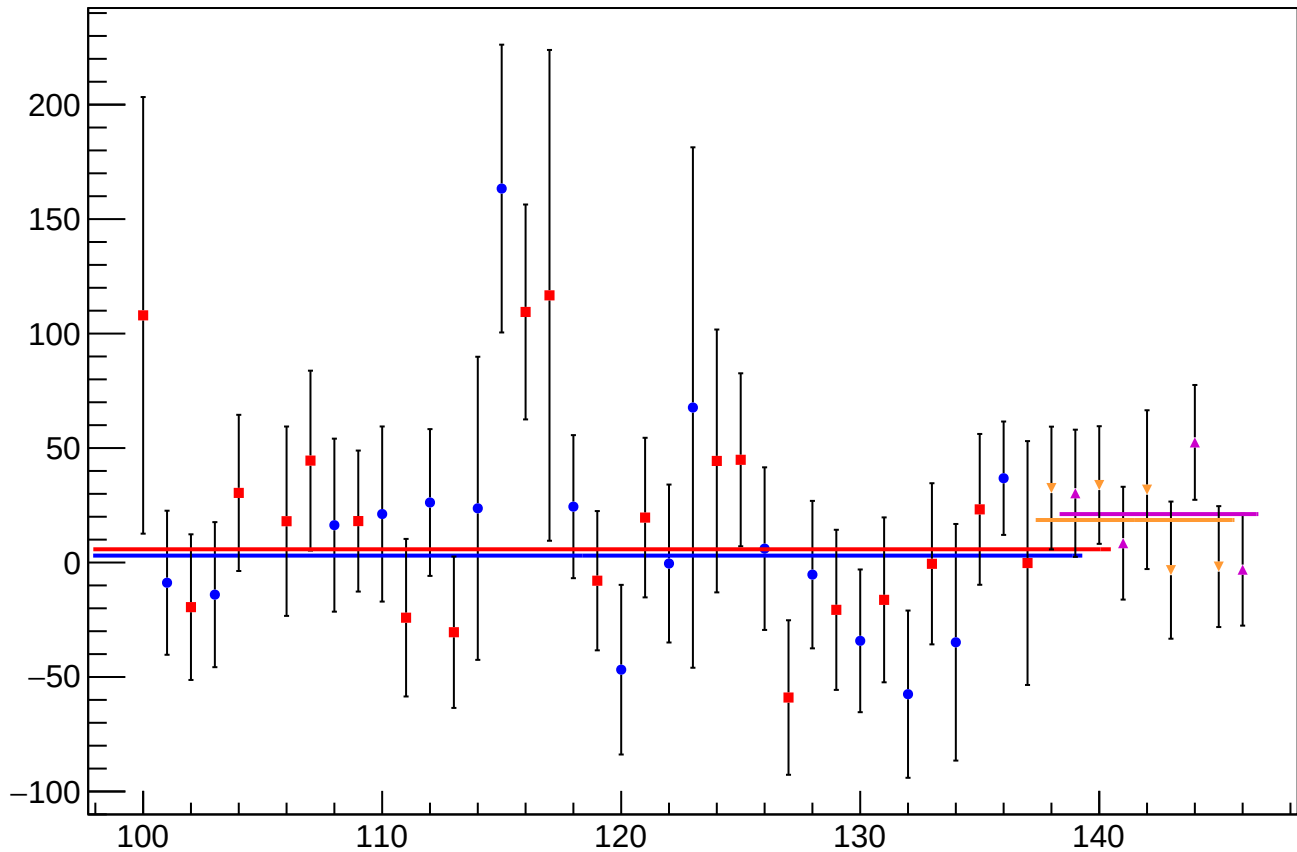
Left In: 245.411 $\pm$ 0.099 χ^2 /NDF:126375.4/3

209.007 $\pm$ 0.049 χ^2 /NDF: 1290096.8/21

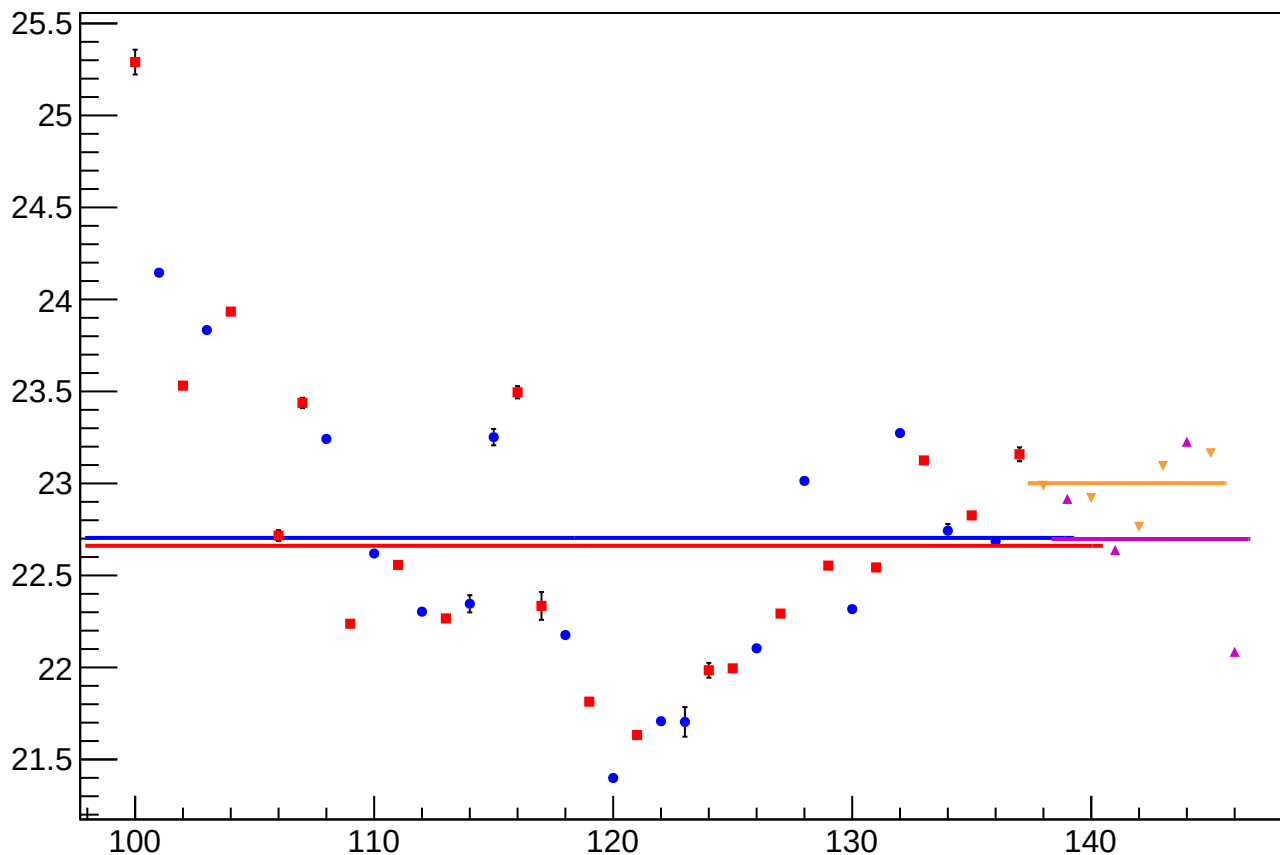
198.402 $\pm$ 0.033 χ^2 /NDF: 3419812.0/45

189.550 $\pm$ 0.045 χ^2 /NDF: 2043422.9/23

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



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: 23.001 ± 0.009 $\chi^2/\text{NDF}: 209.0/4$

Right Out: 22.661 ± 0.006 $\chi^2/\text{NDF}: 12962.1/19$

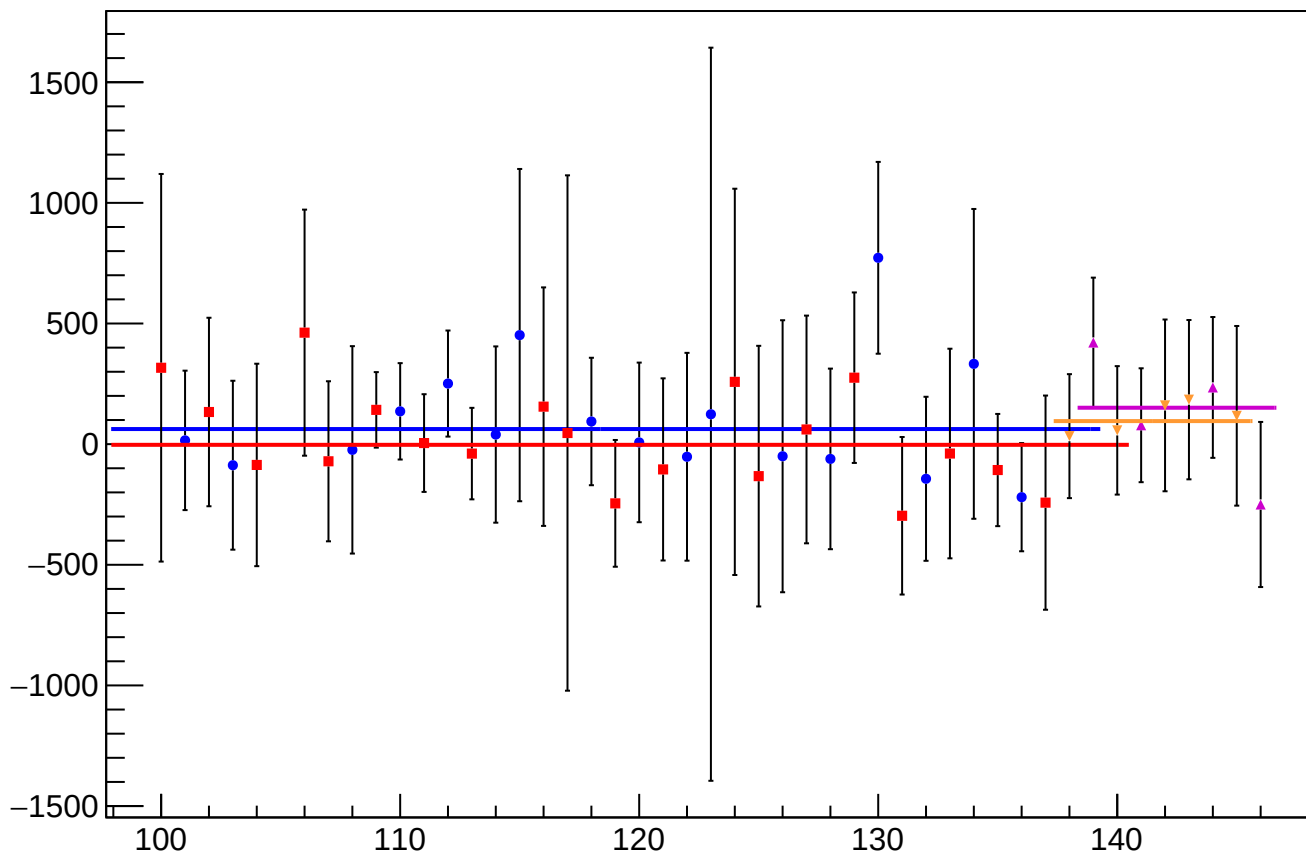
Left In: 22.698 ± 0.009 $\chi^2/\text{NDF}: 2282.0/3$

22.801 ± 0.005 $\chi^2/\text{NDF}: 15064.7/21$

22.735 ± 0.004 $\chi^2/\text{NDF}: 30644.6/45$

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 $\pm$ 79.605 χ^2 /NDF: 7.0/16

Left Out: 95.507 $\pm$ 136.660 χ^2 /NDF: 0.2/4

Right Out: -2.824 $\pm$ 70.364 χ^2 /NDF: 5.2/19

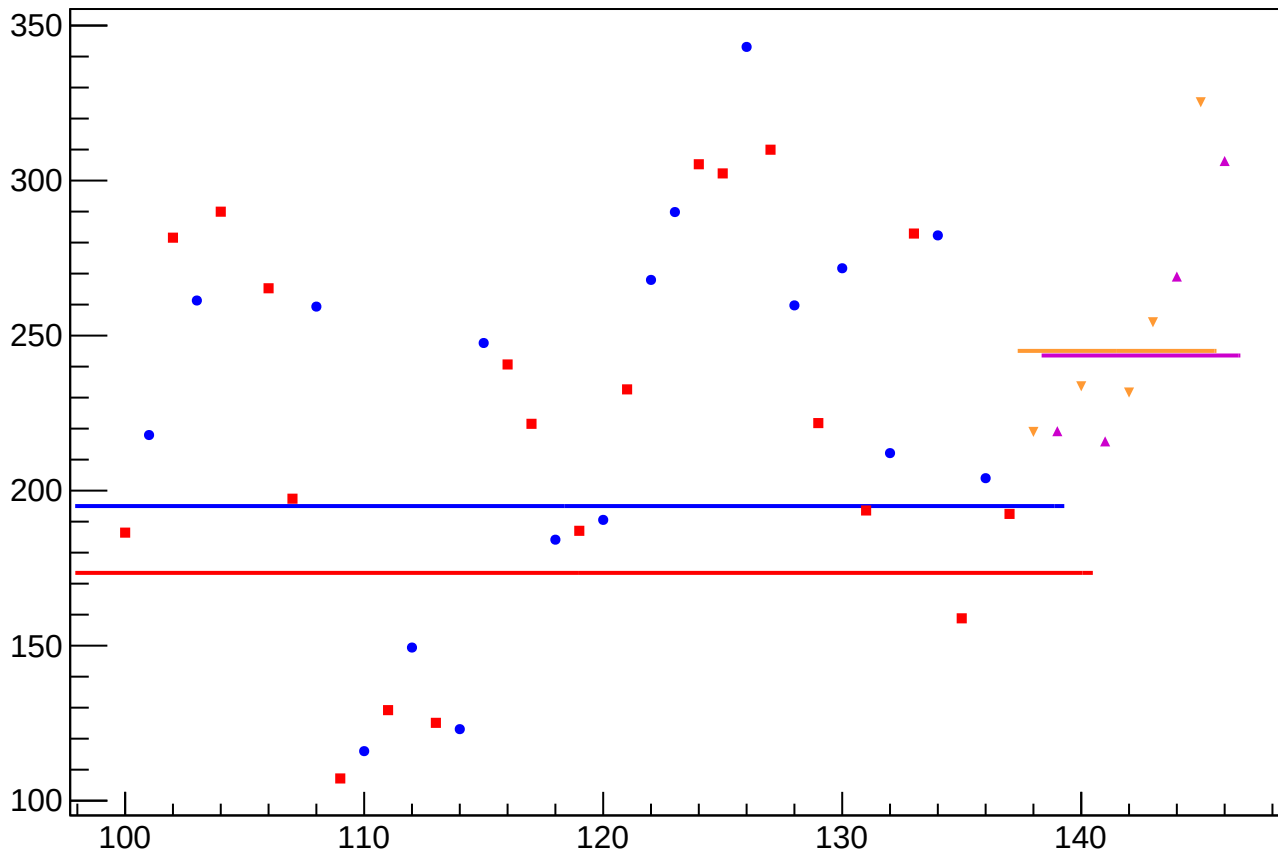
Left In: 150.899 $\pm$ 138.586 χ^2 /NDF: 2.6/3

70.917 $\pm$ 68.786 χ^2 /NDF: 7.3/21

47.862 $\pm$ 46.354 χ^2 /NDF: 16.2/45

28.682 $\pm$ 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 ± 0.056 χ^2/NDF : 1004284.9/16

Left Out: 245.069 ± 0.097 χ^2/NDF : 121573.9/4

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

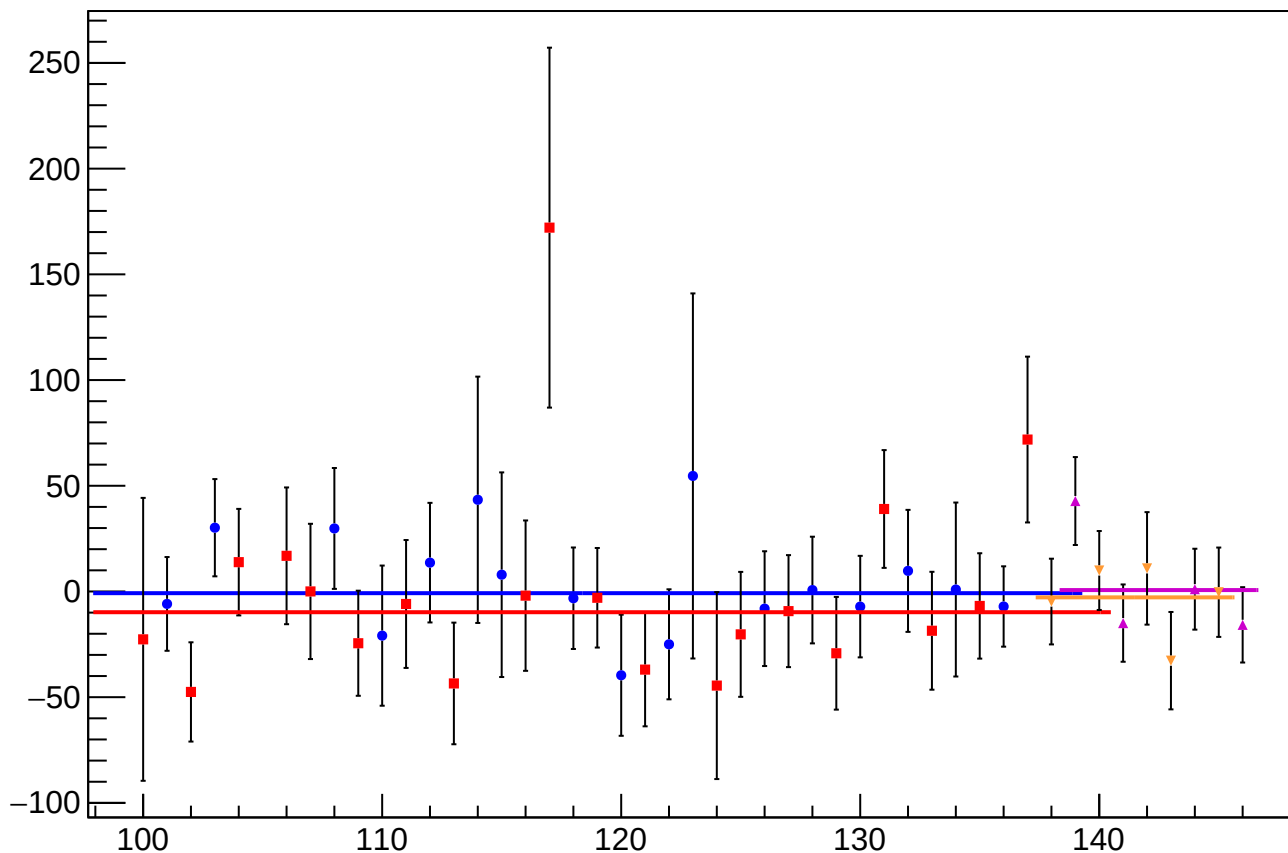
Left In: 243.582 ± 0.098 χ^2/NDF : 126469.6/3

207.701 ± 0.049 χ^2/NDF : 1326134.9/21

196.860 ± 0.033 χ^2/NDF : 3532846.6/45

187.841 ± 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: -2.787 ± 9.606 χ^2/NDF : 2.4/4

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

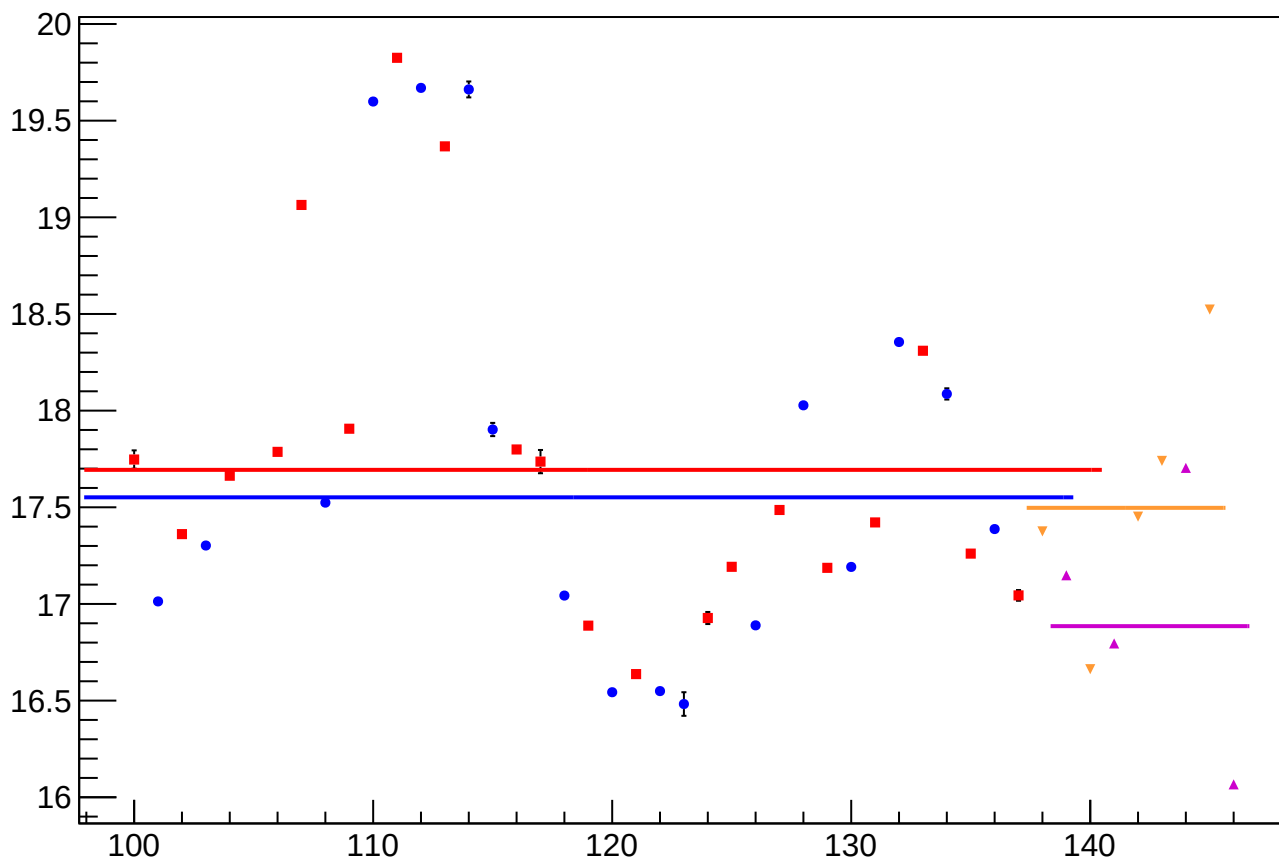
Left In: 0.661 ± 9.455 χ^2/NDF : 5.7/3

-1.460 ± 5.534 χ^2/NDF : 10.2/21

-3.971 ± 3.870 χ^2/NDF : 37.7/45

-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: 17.497 $\pm$ 0.007 χ^2/NDF : 9008.2/4

Right Out: 17.694 $\pm$ 0.005 χ^2/NDF : 30742.5/19

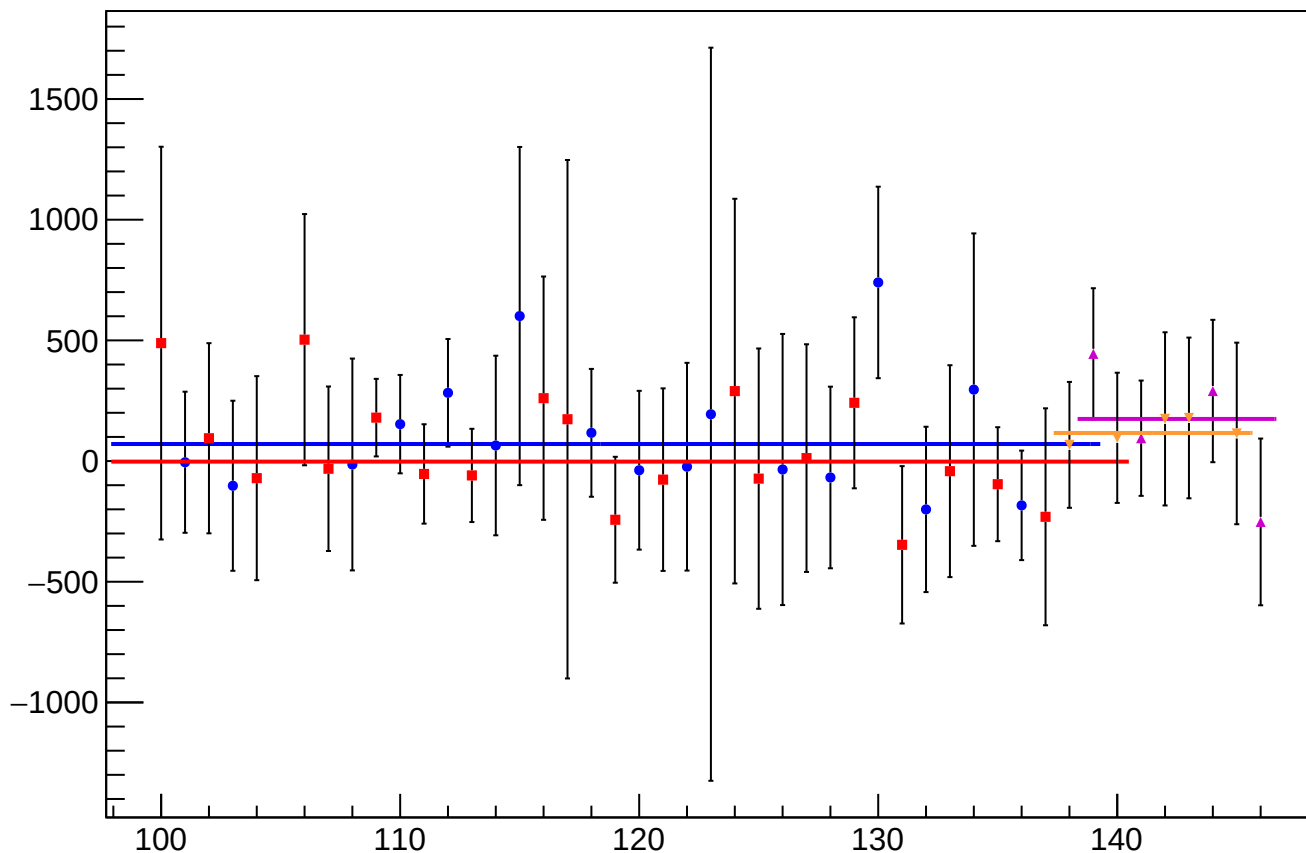
Left In: 16.885 $\pm$ 0.007 χ^2/NDF : 8250.5/3

17.533 $\pm$ 0.004 χ^2/NDF : 43078.1/21

17.480 $\pm$ 0.003 χ^2/NDF : 92265.1/45

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 $\pm$ 80.409 χ^2 /NDF: 7.2/16

Left Out: 116.428 $\pm$ 138.266 χ^2 /NDF:0.1/4

Right Out: -2.285 $\pm$ 71.350 χ^2 /NDF: 6.2/19

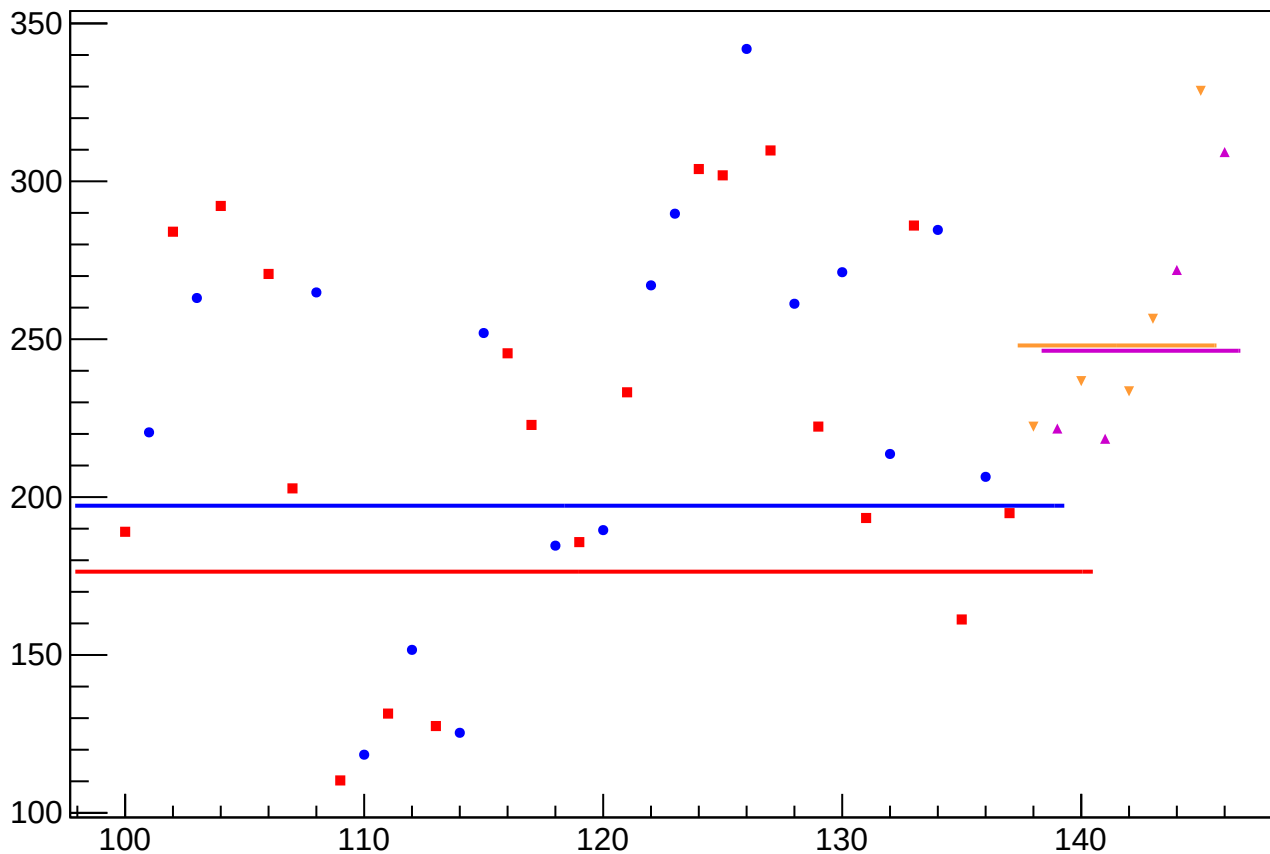
Left In: 174.538 $\pm$ 140.123 χ^2 /NDF:2.8/3

82.208 $\pm$ 69.509 χ^2 /NDF: 7.4/21

56.027 $\pm$ 46.915 χ^2 /NDF: 17.9/45

34.122 $\pm$ 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: 248.018 $\pm$ 0.098 χ^2 /NDF: 119417.7/4

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

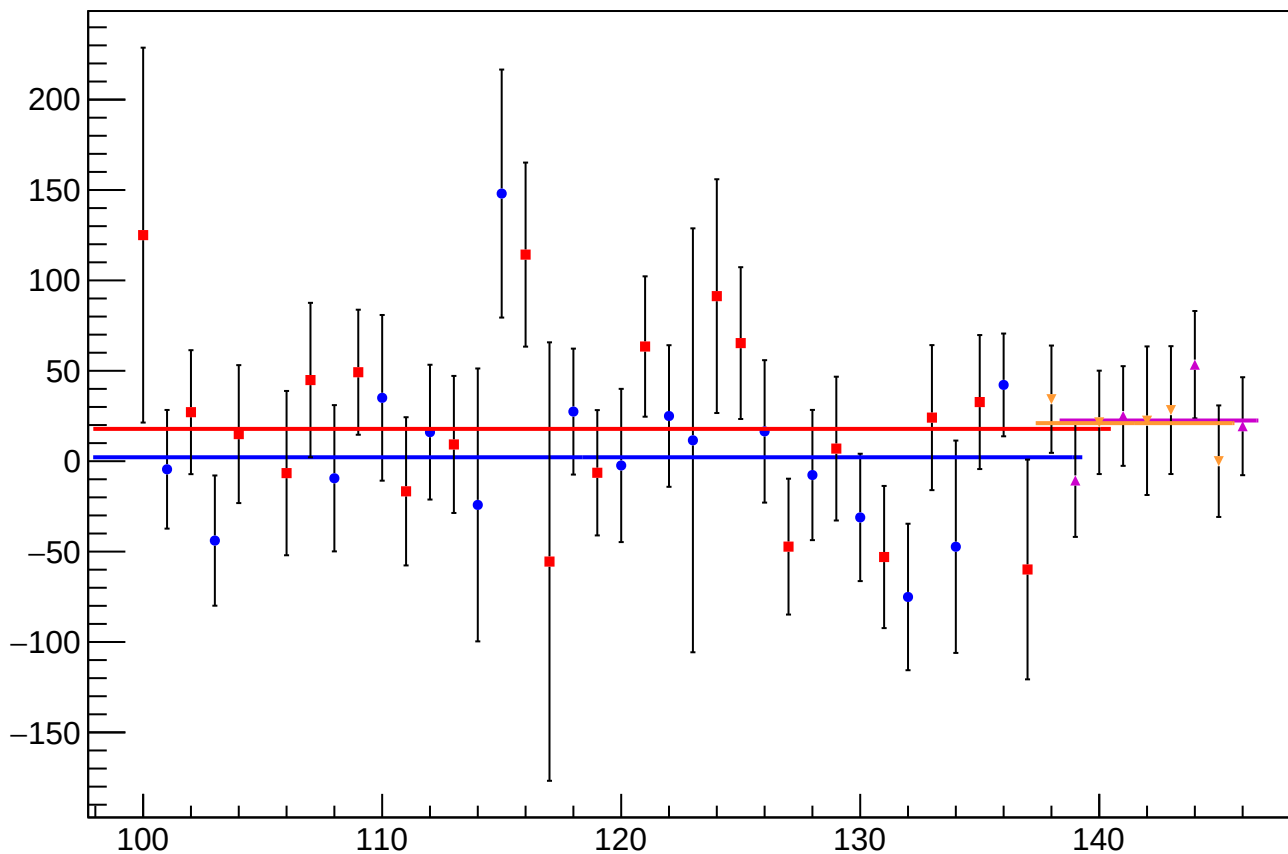
Left In: 246.342 $\pm$ 0.099 χ^2 /NDF: 125054.7/3

210.096 $\pm$ 0.049 χ^2 /NDF: 1290291.7/21

199.585 $\pm$ 0.033 χ^2 /NDF: 3418675.2/45

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: 21.053 $\pm$ 14.432 χ^2 /NDF: 0.7/4

Right Out: 17.869 $\pm$ 9.468 χ^2 /NDF: 20.0/19

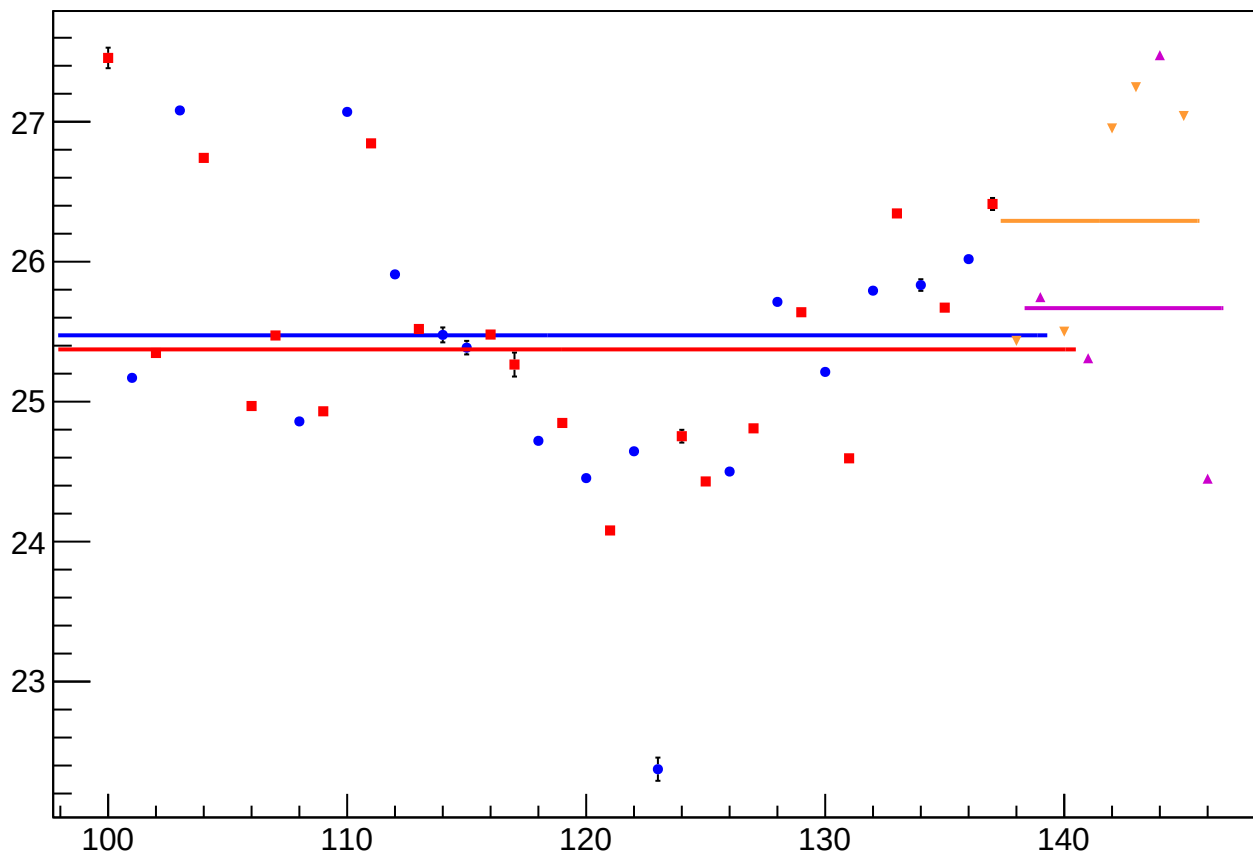
Left In: 22.507 $\pm$ 14.378 χ^2 /NDF: 2.2/3

8.155 $\pm$ 8.122 χ^2 /NDF: 17.2/21

13.862 $\pm$ 5.666 χ^2 /NDF: 40.5/45

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: 26.292 $\pm$ 0.010 χ^2 /NDF: 6356.8/4

Right Out: 25.373 $\pm$ 0.007 χ^2 /NDF: 13582.8/19

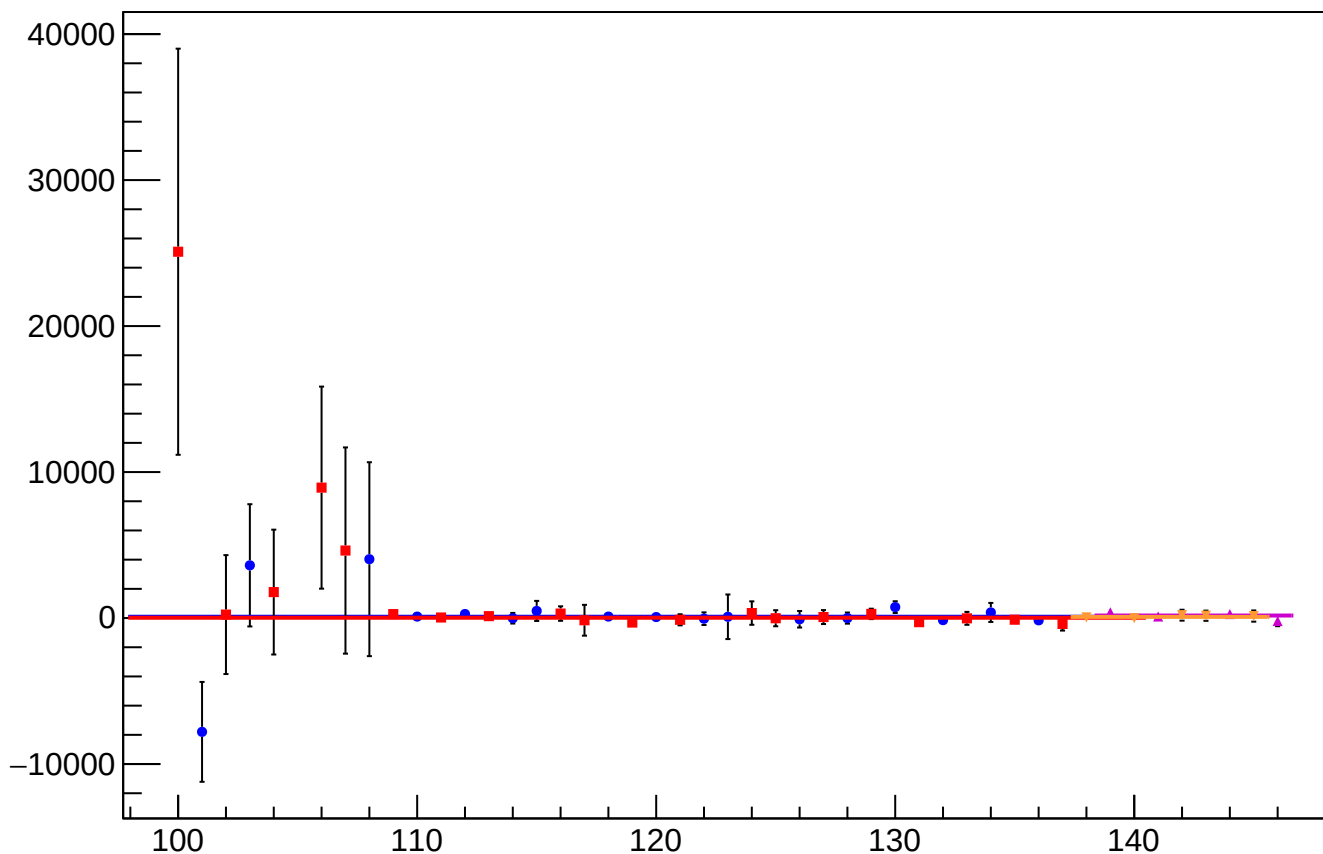
Left In: 25.668 $\pm$ 0.010 χ^2 /NDF: 11802.4/3

25.733 $\pm$ 0.006 χ^2 /NDF: 24806.6/21

25.594 $\pm$ 0.004 χ^2 /NDF: 51916.8/45

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: 80.597+/-138.841 χ^2/NDF : 0.3/4

Right Out: 21.600+/-80.665 χ^2/NDF : 11.9/19

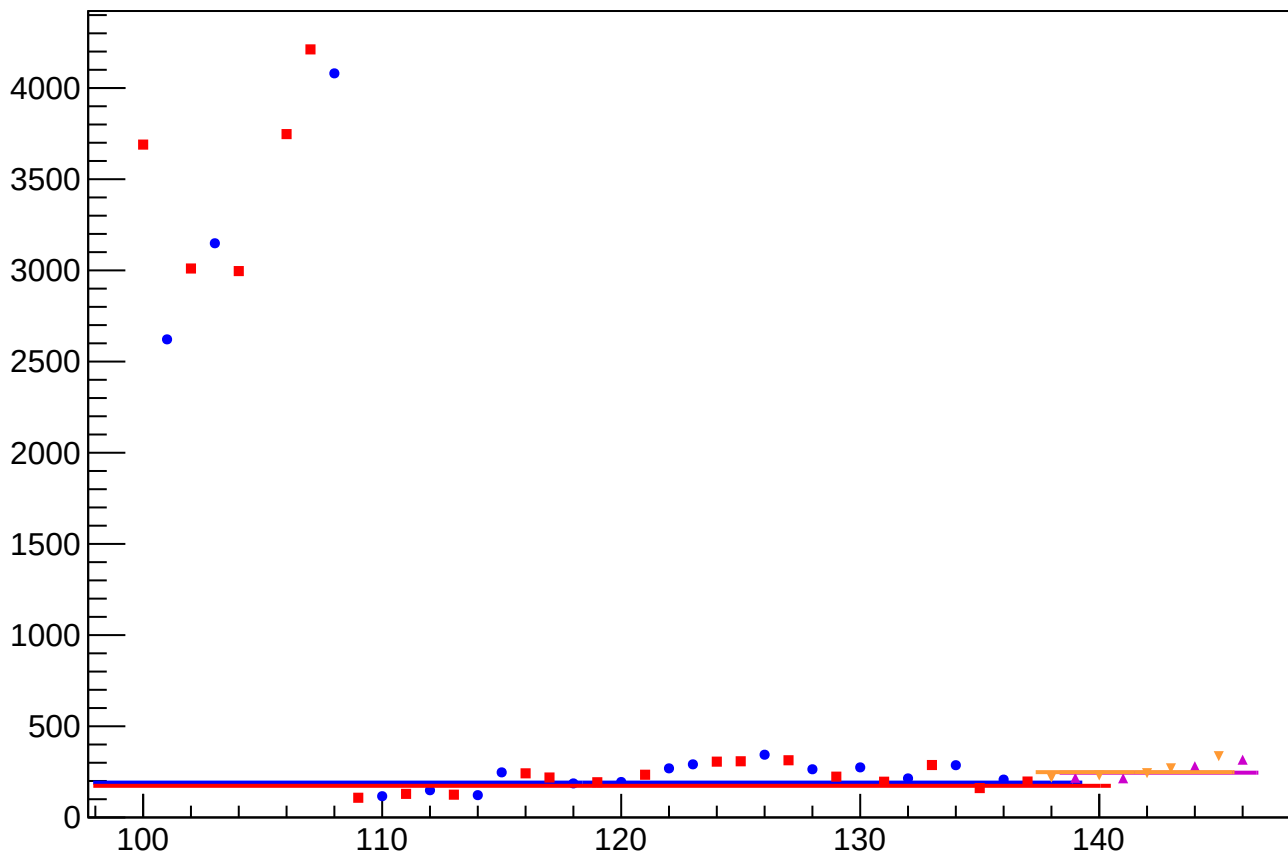
Left In: 172.837+/-140.140 χ^2/NDF : 2.0/3

87.048+/-74.105 χ^2/NDF : 12.6/21

72.334+/-50.852 χ^2/NDF : 27.5/45

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 $\pm$ 0.062 χ^2/NDF : 3571747.5/16

Left Out: 248.443 $\pm$ 0.098 χ^2/NDF : 148433.6/4

Right Out: 173.536 $\pm$ 0.057 χ^2/NDF : 4210933.2/19

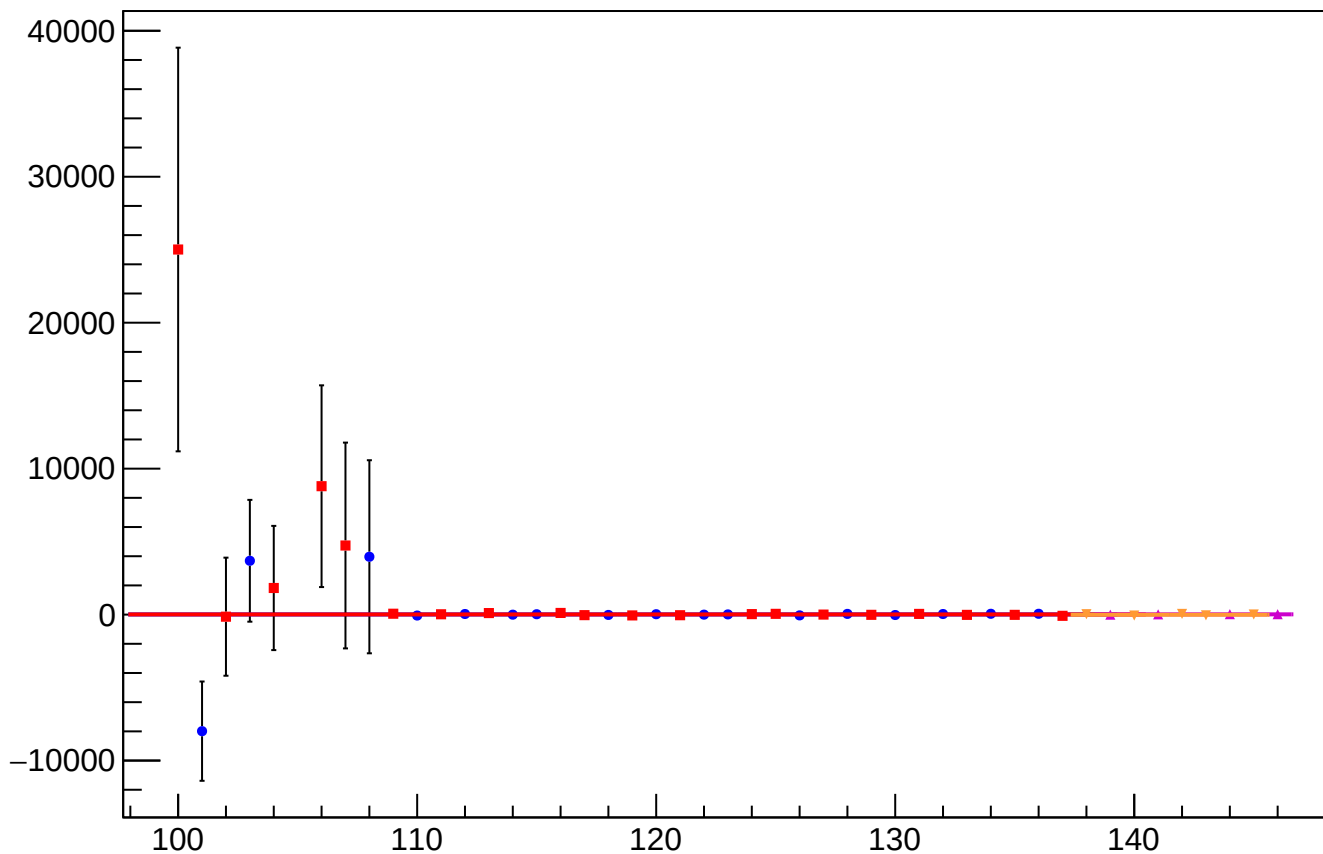
Left In: 245.537 $\pm$ 0.099 χ^2/NDF : 164636.9/3

207.500 $\pm$ 0.052 χ^2/NDF : 3963386.9/21

199.011 $\pm$ 0.036 χ^2/NDF : 8785110.9/45

191.455 $\pm$ 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: -9.768+/-16.755 χ^2/NDF : 6.5/4

Right Out: 12.573+/-12.182 χ^2/NDF : 24.5/19

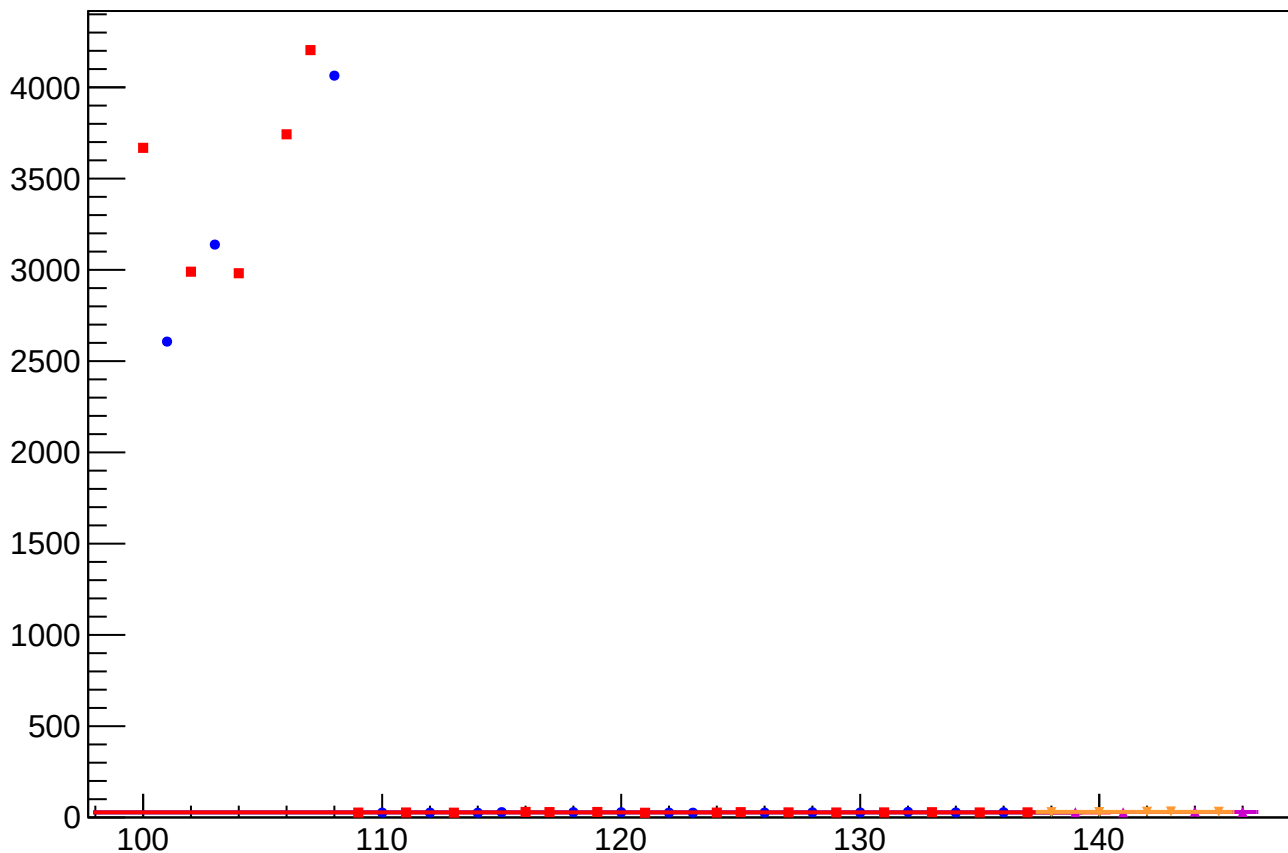
Left In: 18.685+/-16.742 χ^2/NDF : 0.6/3

3.419+/-9.857 χ^2/NDF : 25.7/21

9.058+/-6.967 χ^2/NDF : 51.6/45

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: 30.423+/-0.012 χ^2/NDF :14085.6/4

Right Out: 27.706+/-0.009 χ^2/NDF : 3477080.4/19

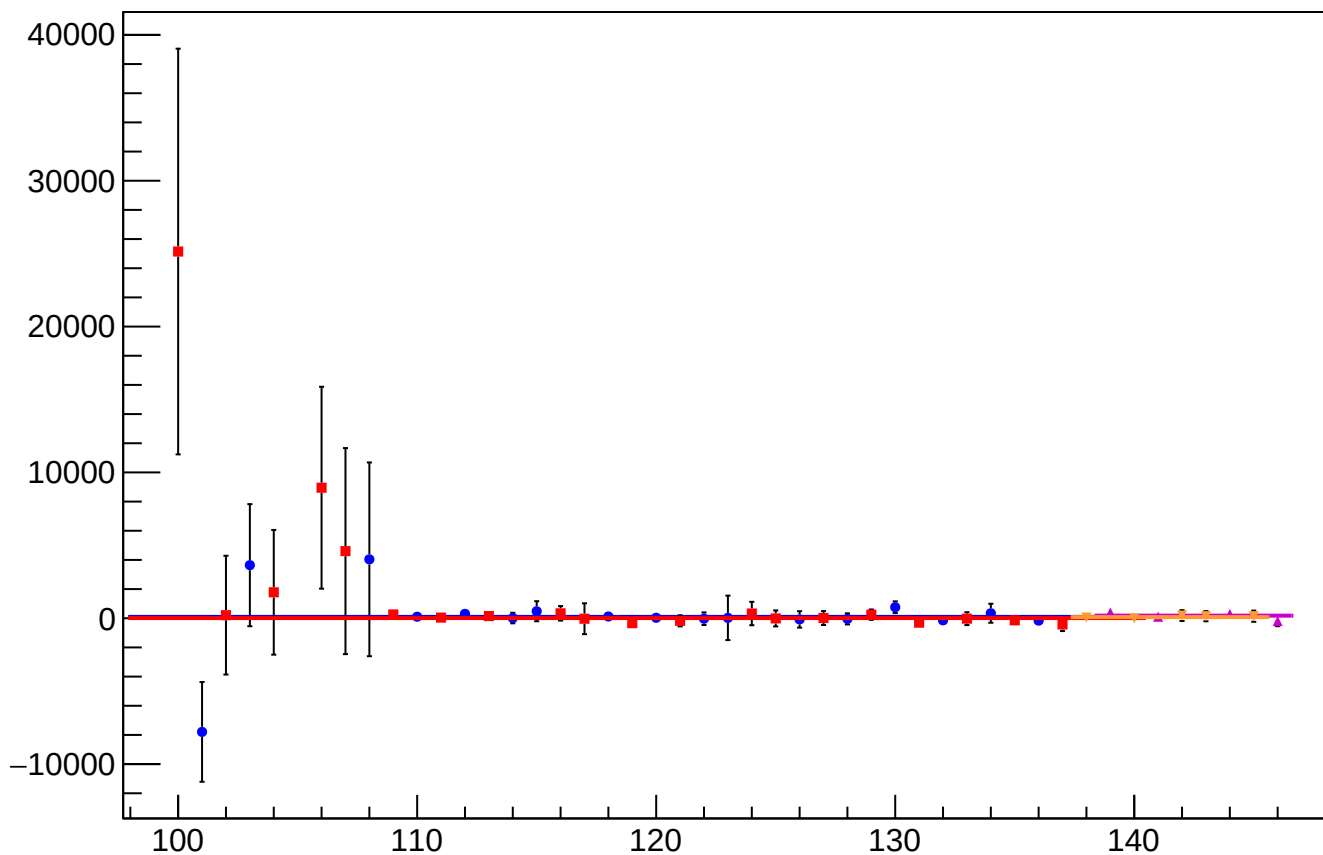
Left In: 29.854+/-0.012 χ^2/NDF :17741.6/3

28.732+/-0.007 χ^2/NDF : 3072129.8/21

28.591+/-0.005 χ^2/NDF : 6589286.4/45

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: 77.212+/-138.527 χ^2/NDF : 0.3/4

Right Out: 12.509+/-80.407 χ^2/NDF : 12.7/19

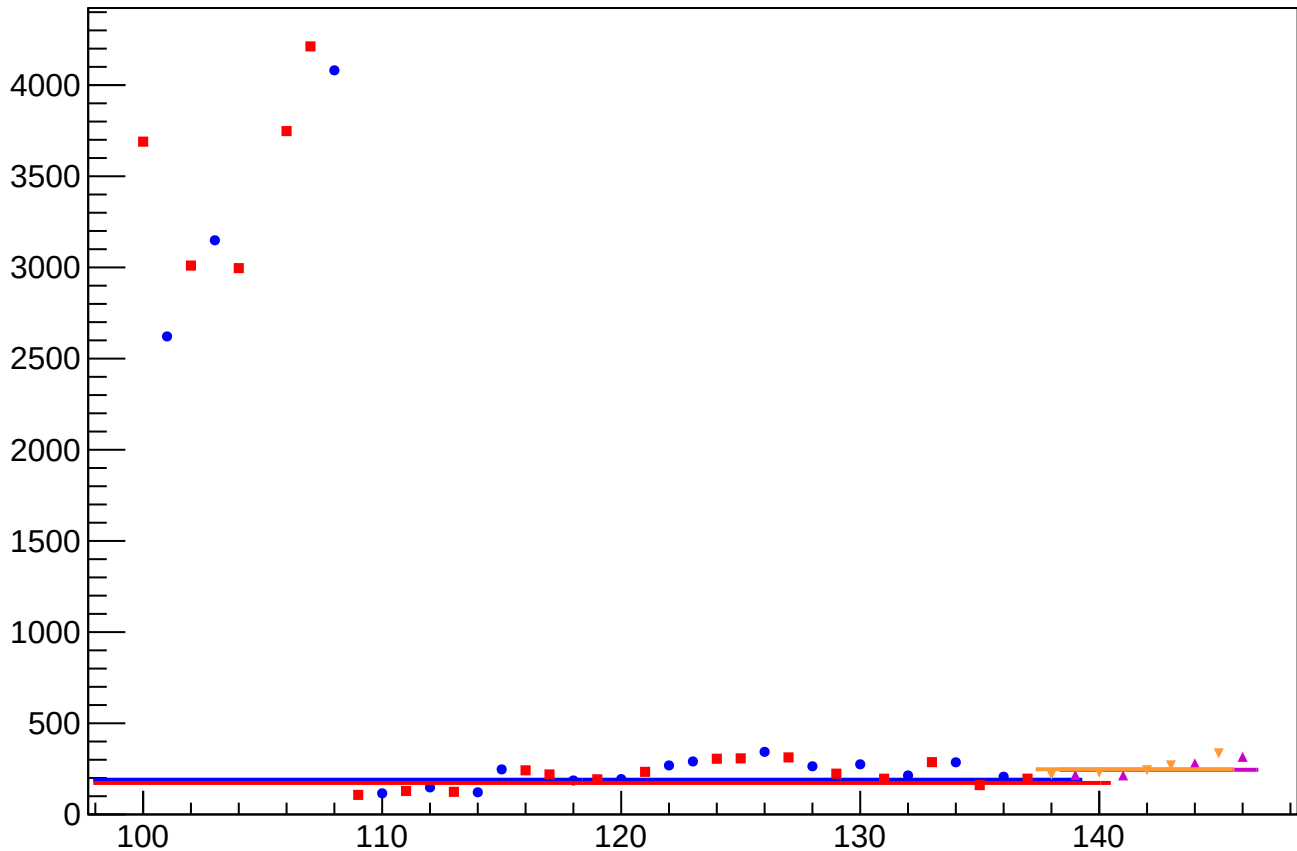
Left In: 179.049+/-139.845 χ^2/NDF : 2.0/3

88.393+/-73.892 χ^2/NDF : 12.9/21

70.135+/-50.705 χ^2/NDF : 28.7/45

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+/-0.062 χ^2/NDF : 3583573.2/16

Left Out: 247.873+/-0.098 χ^2/NDF :148799.2/4

Right Out: 172.872+/-0.057 χ^2/NDF : 4222275.2/19

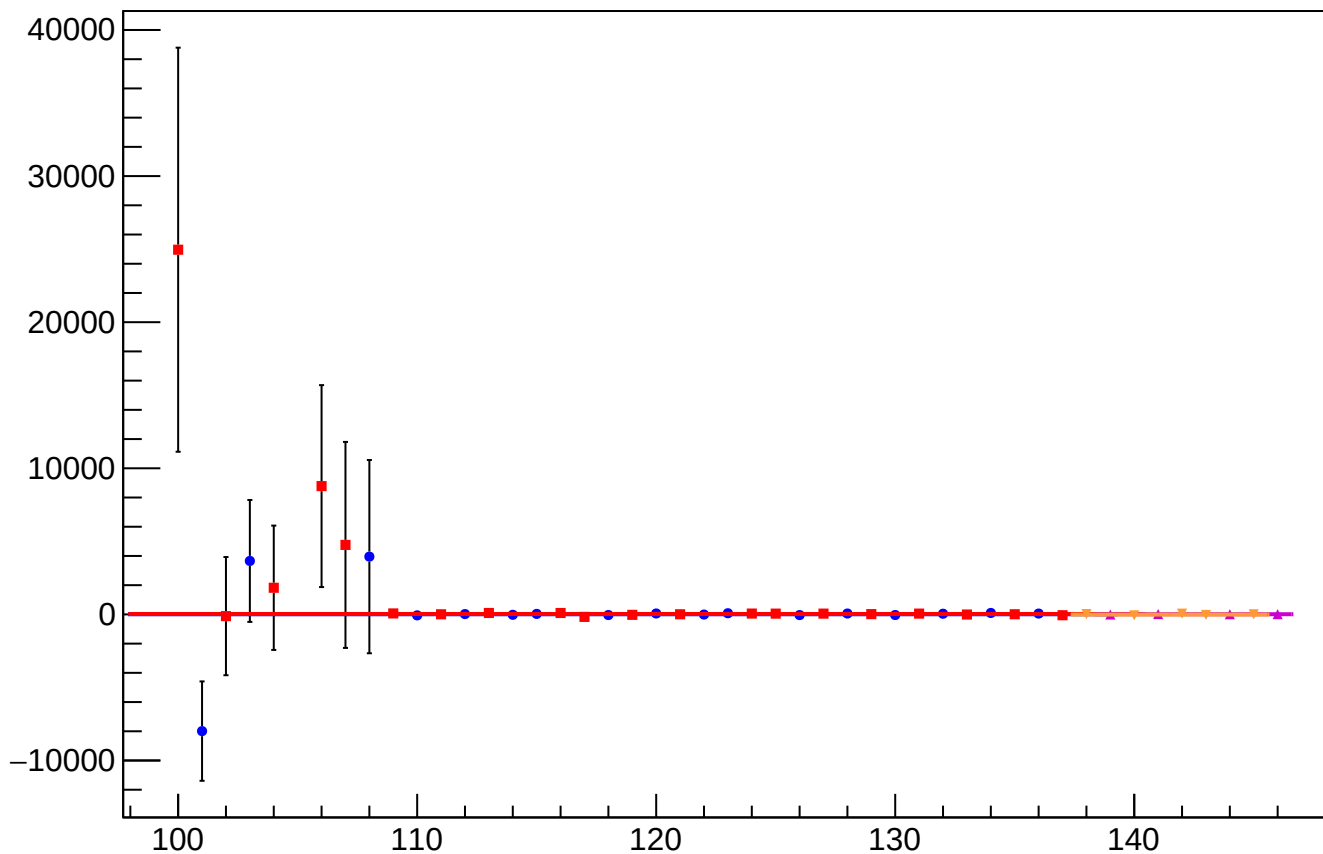
Left In: 245.021+/-0.099 χ^2/NDF :164487.7/3

206.814+/-0.052 χ^2/NDF : 3977947.1/21

198.339+/-0.036 χ^2/NDF : 8814511.6/45

190.798+/-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: -10.040 $\pm$ 16.854 χ^2 /NDF: 5.7/4

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

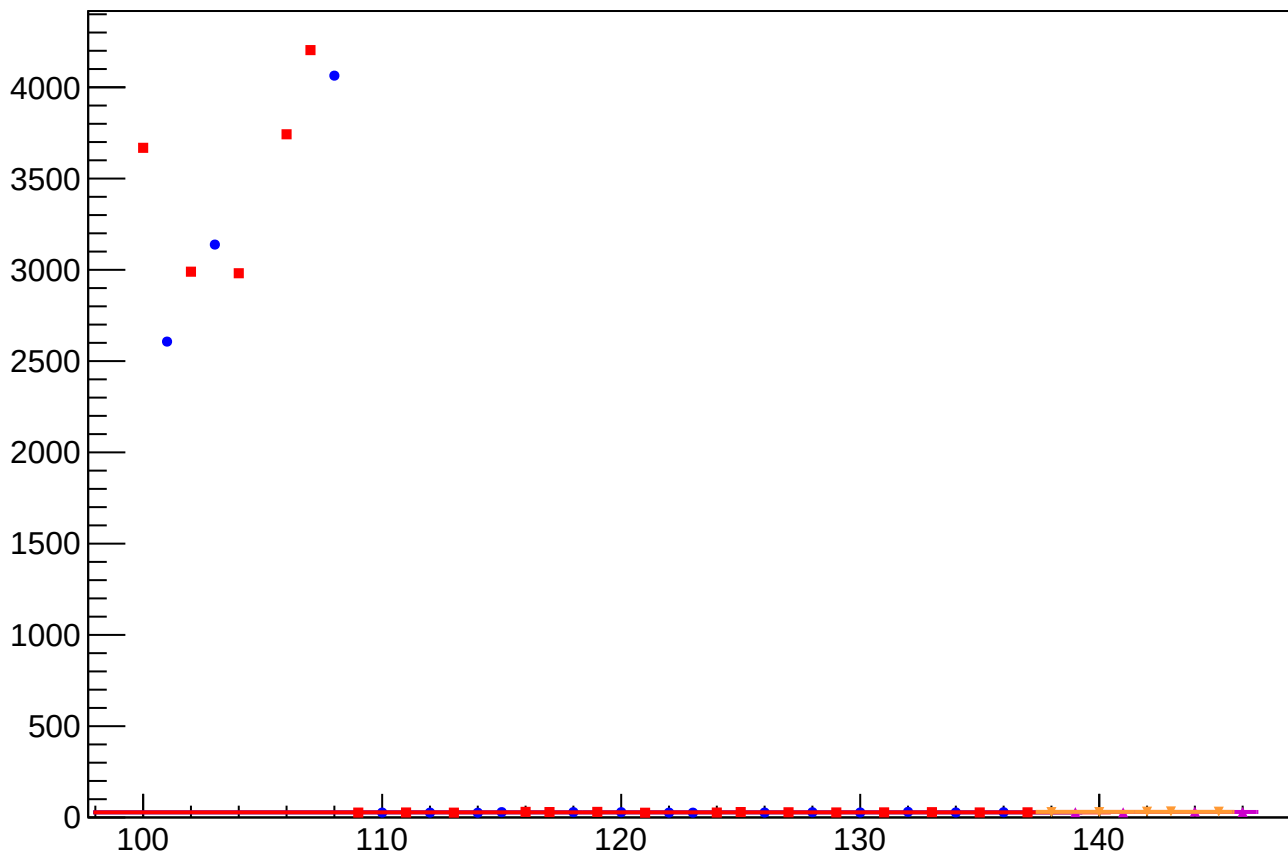
Left In: 11.659 $\pm$ 16.843 χ^2 /NDF: 0.5/3

2.795 $\pm$ 9.921 χ^2 /NDF: 29.8/21

12.601 $\pm$ 7.016 χ^2 /NDF: 51.3/45

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: 30.600+/-0.012 χ^2 /NDF:14418.9/4

Right Out: 27.929+/-0.009 χ^2 /NDF: 3479867.7/19

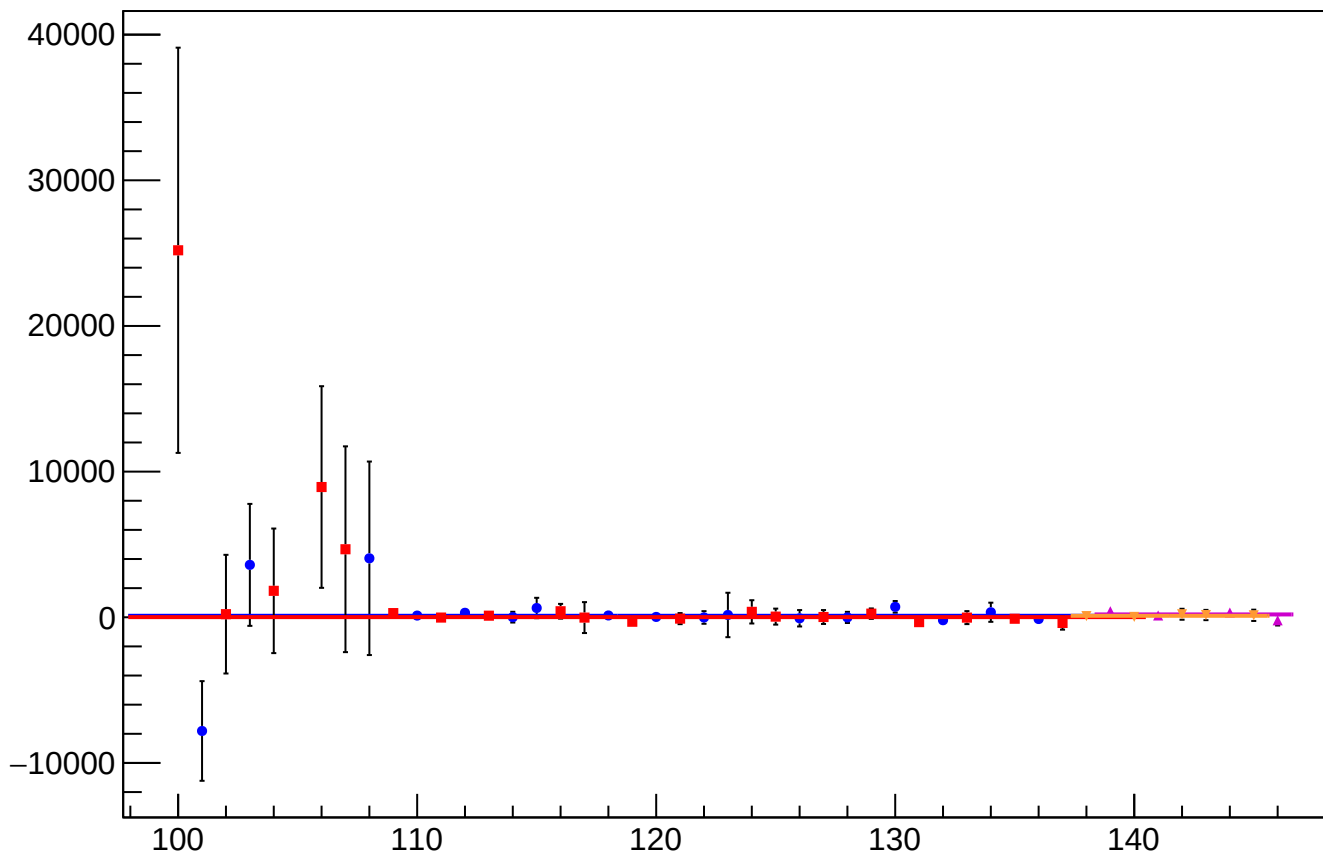
Left In: 30.029+/-0.012 χ^2 /NDF:19331.1/3

28.916+/-0.007 χ^2 /NDF: 3071984.9/21

28.787+/-0.005 χ^2 /NDF: 6592156.5/45

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: 101.503 $\pm$ 140.439 χ^2 /NDF: 0.2/4

Right Out: 11.037 $\pm$ 81.486 χ^2 /NDF: 12.3/19

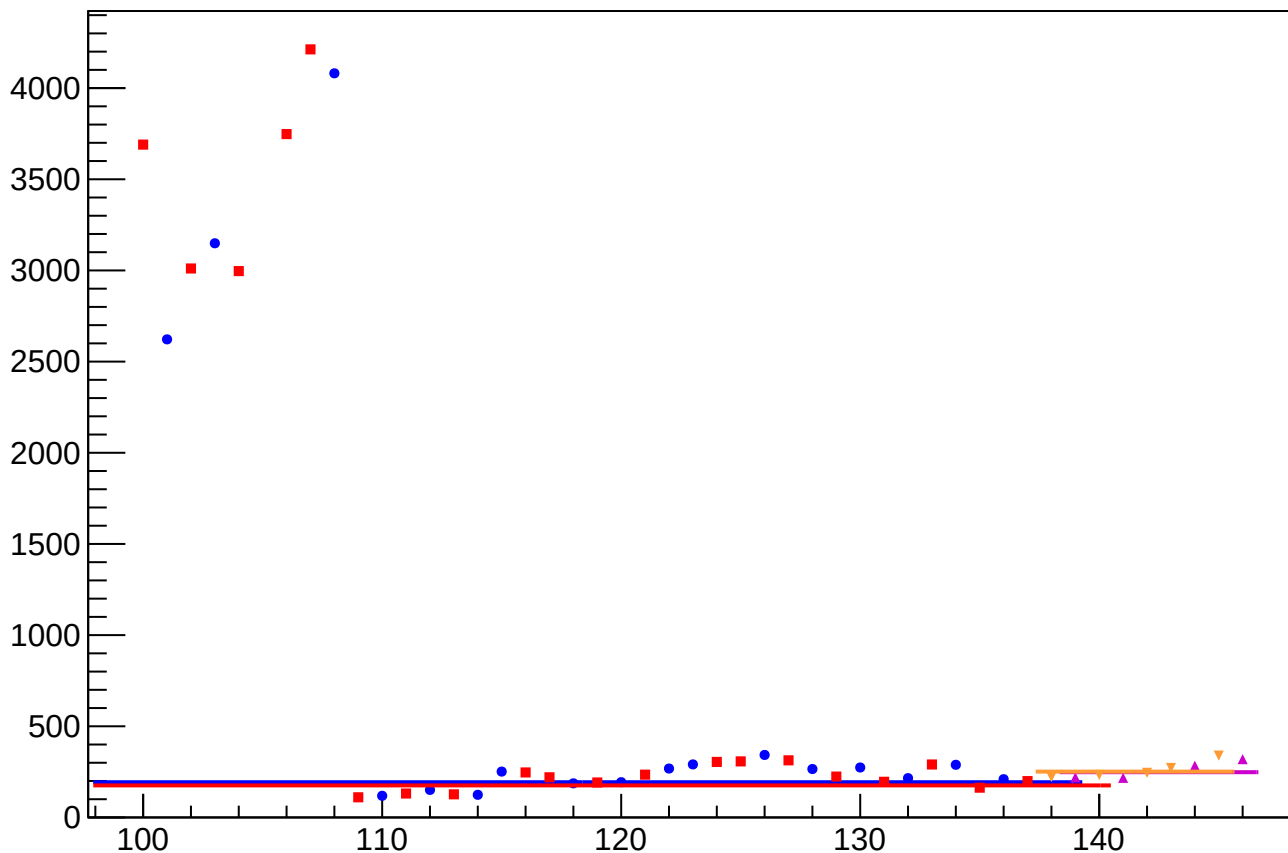
Left In: 195.158 $\pm$ 141.652 χ^2 /NDF: 2.2/3

101.696 $\pm$ 74.807 χ^2 /NDF: 12.6/21

77.969 $\pm$ 51.357 χ^2 /NDF: 28.5/45

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: 251.388+/-0.099 χ^2/NDF :145329.2/4

Right Out: 175.749+/-0.058 χ^2/NDF : 4168935.2/19

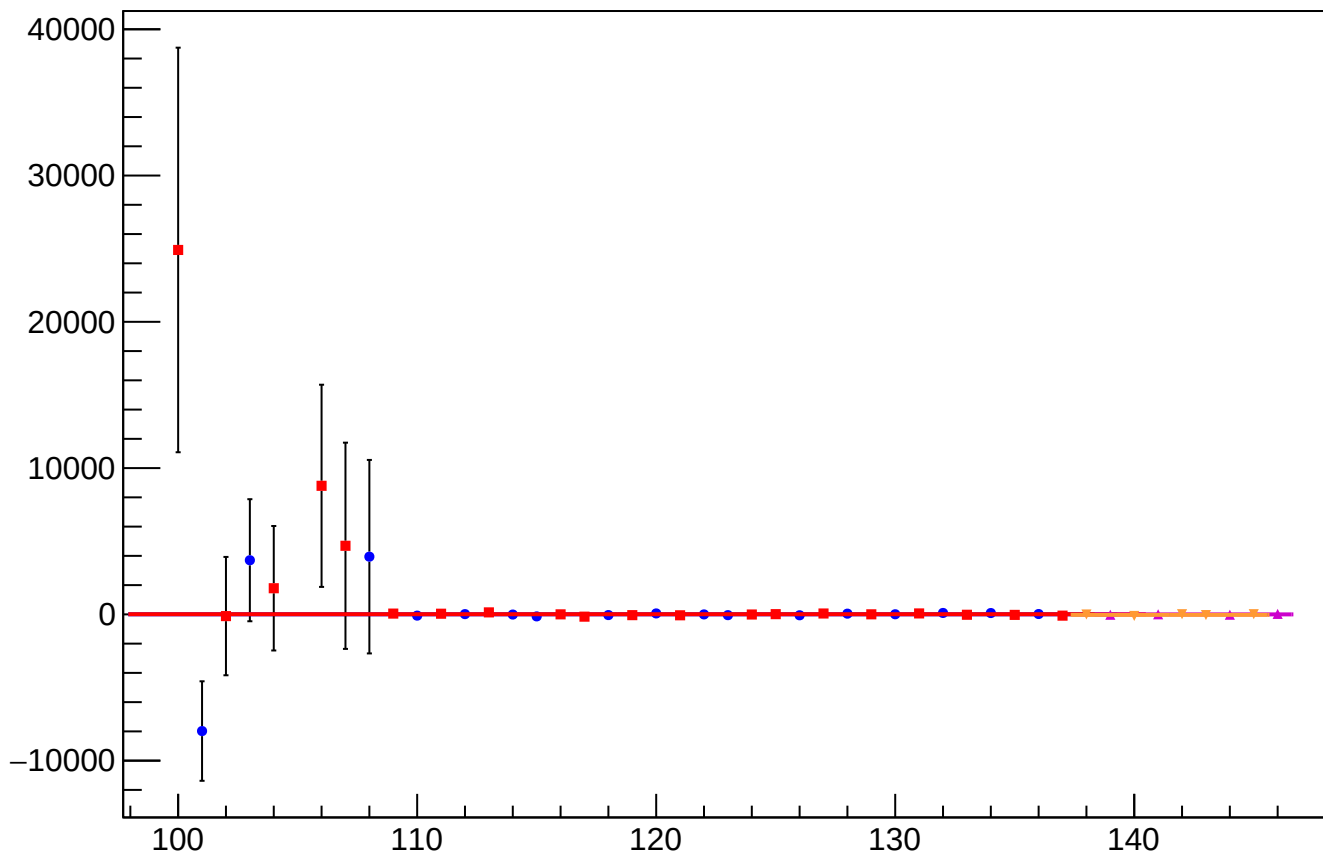
Left In: 248.253+/-0.100 χ^2/NDF :162831.9/3

209.703+/-0.053 χ^2/NDF : 3927454.8/21

201.283+/-0.036 χ^2/NDF : 8700828.2/45

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: -32.196+/-19.994 χ^2 /NDF: 5.6/4

Right Out: 11.101+/-14.886 χ^2 /NDF: 22.7/19

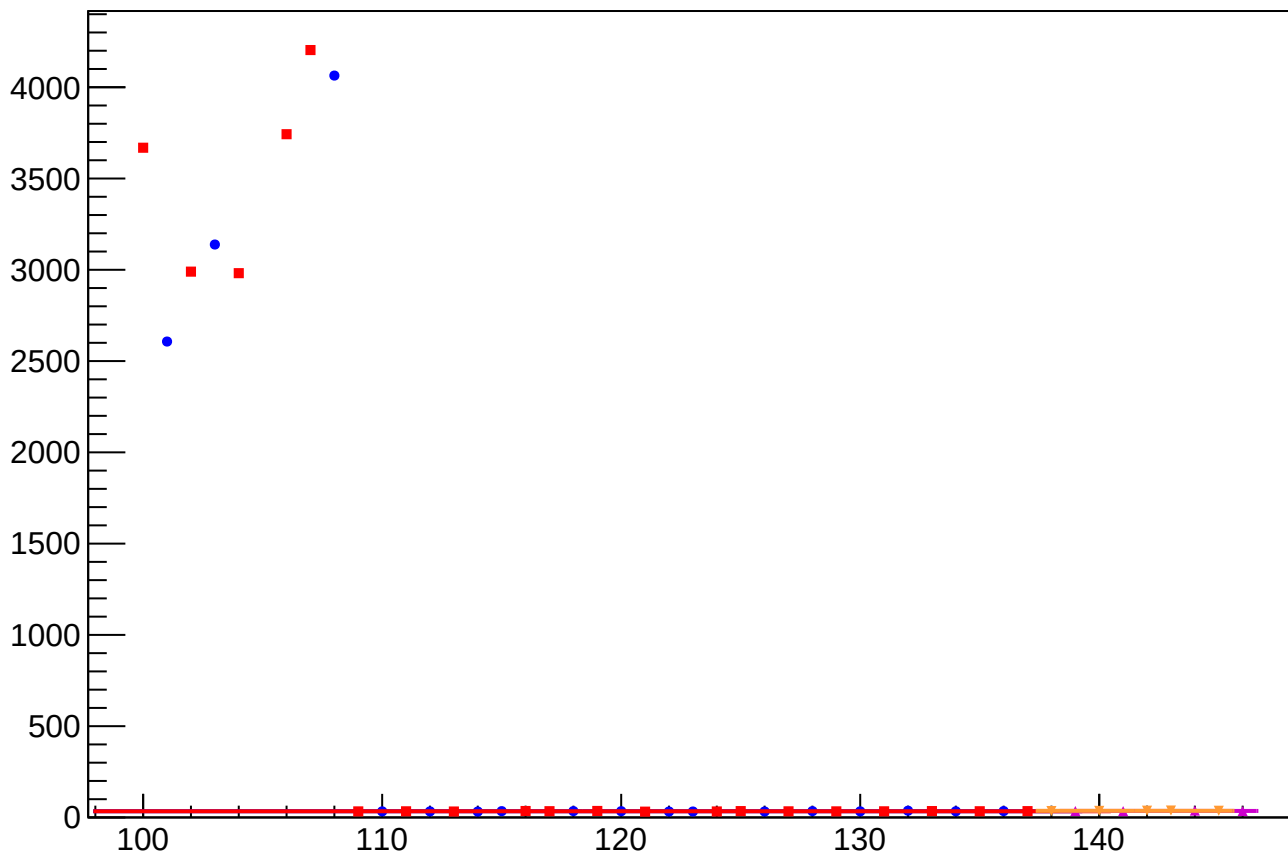
Left In: -0.755+/-19.965 χ^2 /NDF: 1.4/3

-8.545+/-11.965 χ^2 /NDF: 28.2/21

-0.820+/-8.450 χ^2 /NDF: 53.4/45

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: 36.383 $\pm$ 0.014 χ^2 /NDF: 4340.2/4

Right Out: 33.915 $\pm$ 0.011 χ^2 /NDF: 3451897.1/19

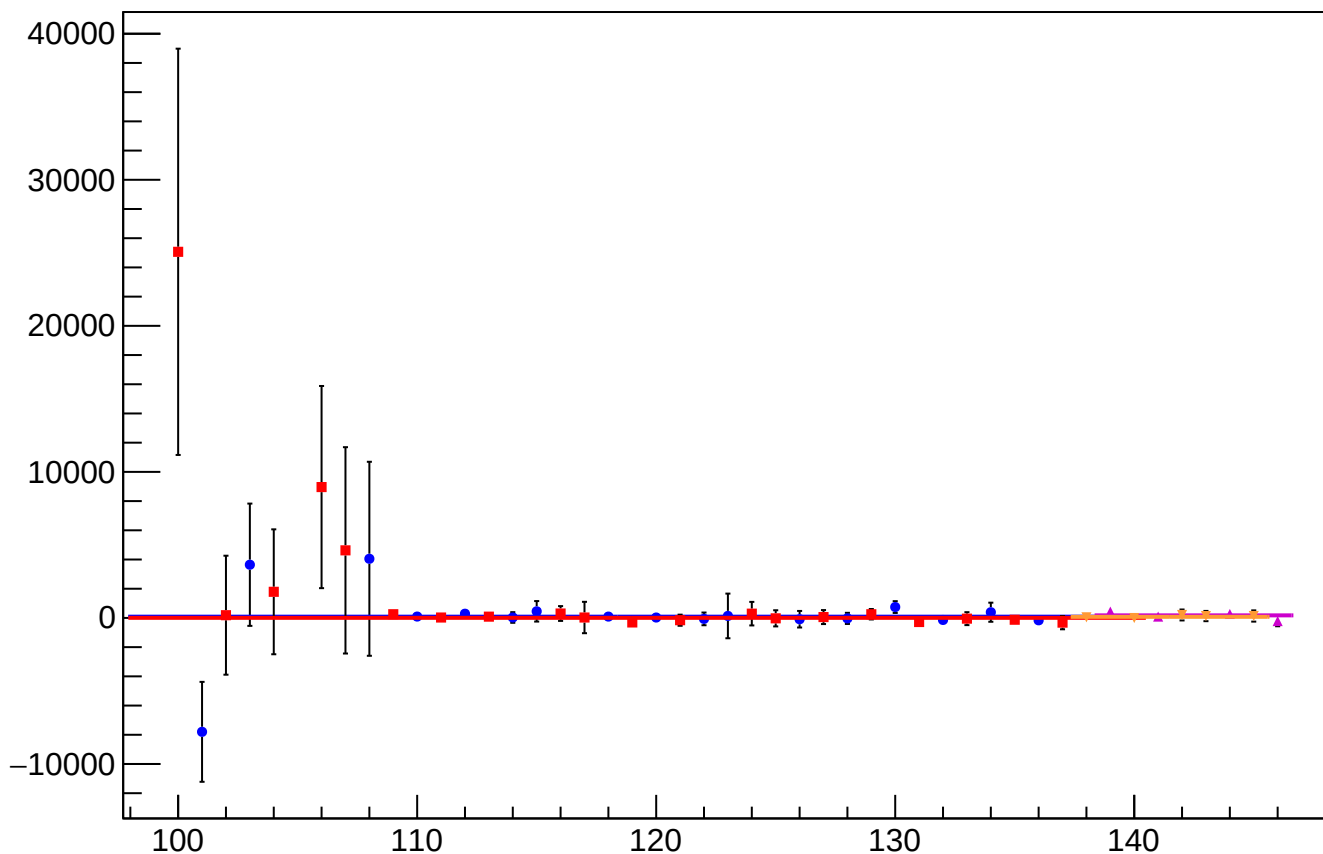
Left In: 35.663 $\pm$ 0.014 χ^2 /NDF: 6093.8/3

34.941 $\pm$ 0.008 χ^2 /NDF: 3026776.2/21

34.740 $\pm$ 0.006 χ^2 /NDF: 6495741.8/45

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: 76.684+/-139.248 χ^2/NDF : 0.3/4

Right Out: 7.420+/-80.977 χ^2/NDF : 11.1/19

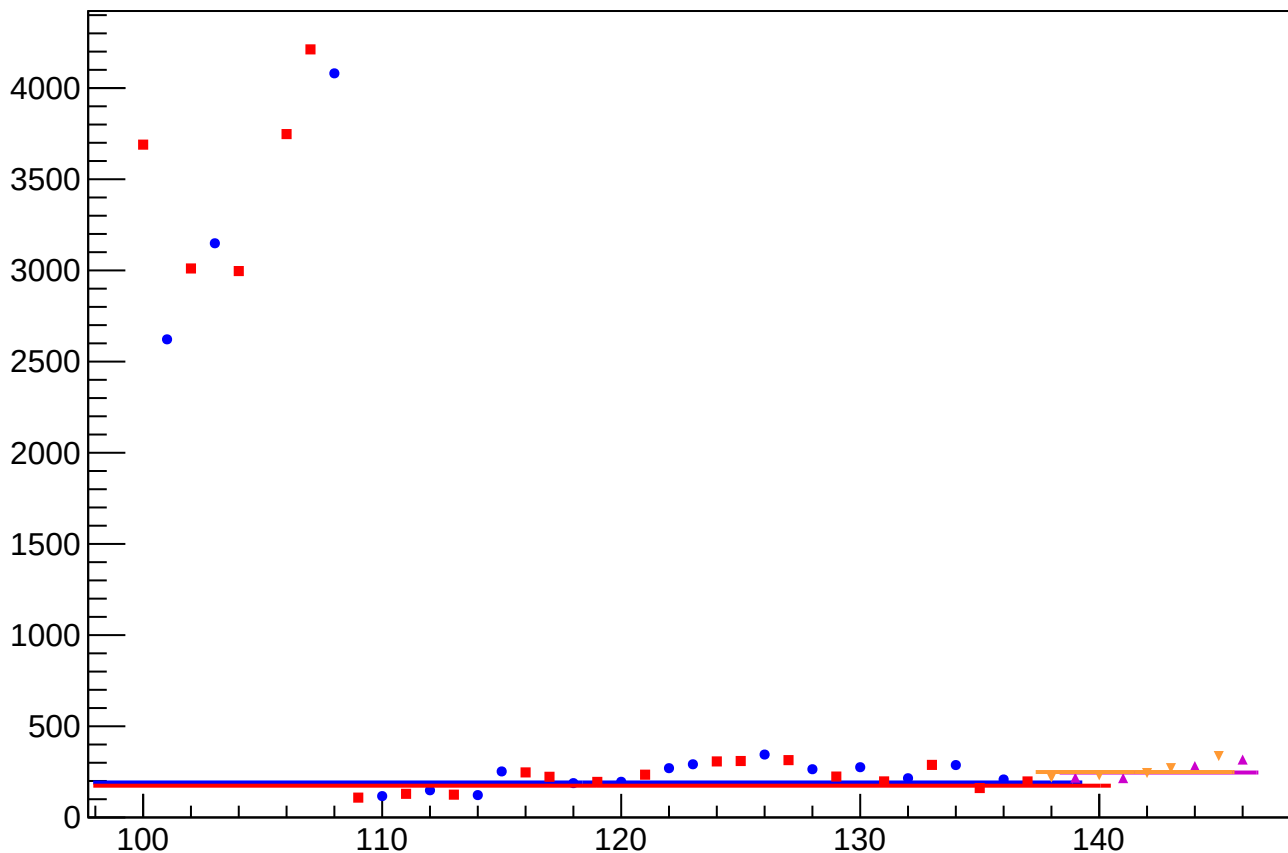
Left In: 176.170+/-140.624 χ^2/NDF : 2.4/3

83.372+/-74.358 χ^2/NDF : 12.7/21

65.426+/-51.036 χ^2/NDF : 27.3/45

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: 249.177+/-0.098 χ^2/NDF :148400.8/4

Right Out: 174.207+/-0.057 χ^2/NDF : 4215538.3/19

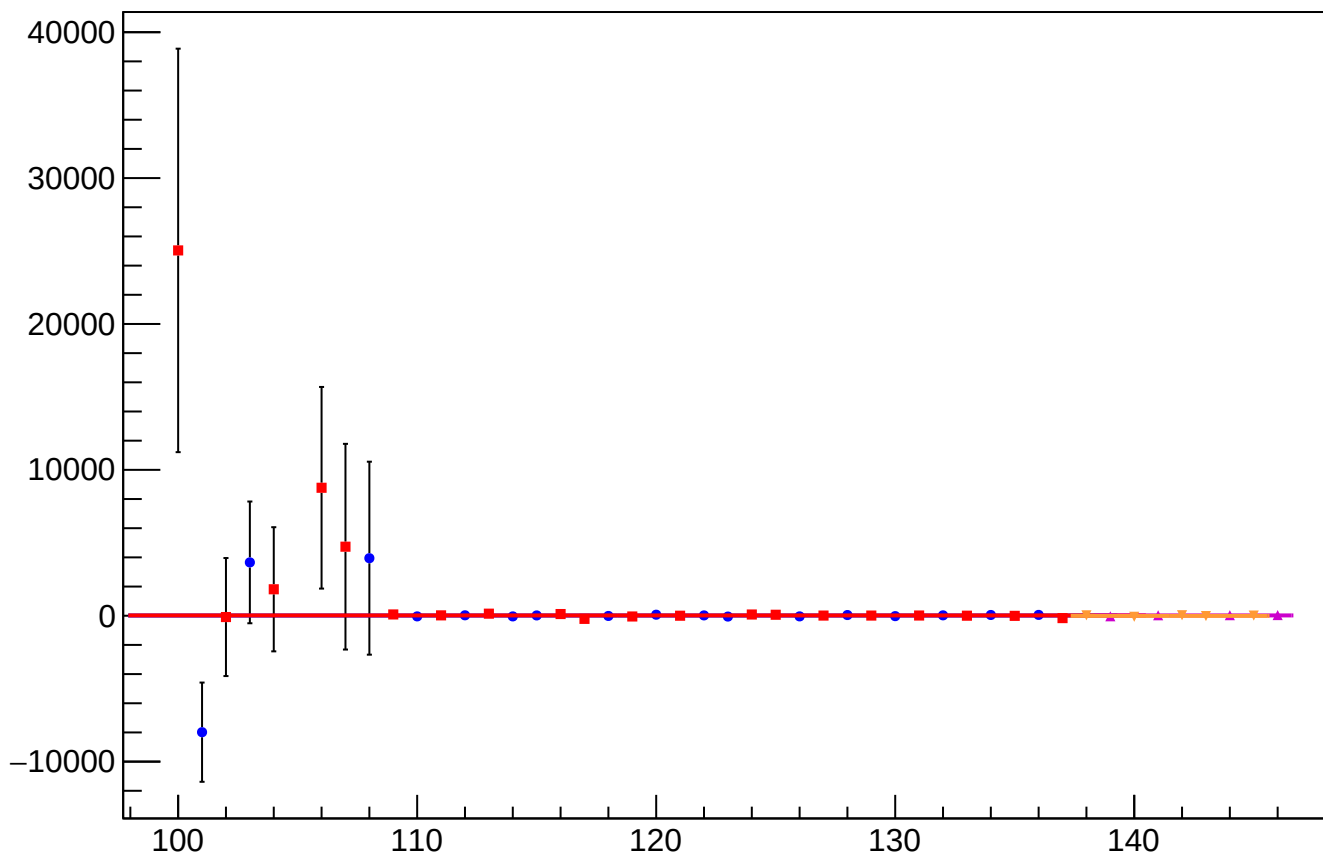
Left In: 246.420+/-0.099 χ^2/NDF :163277.4/3

208.219+/-0.053 χ^2/NDF : 3963519.4/21

199.740+/-0.036 χ^2/NDF : 8787563.6/45

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: -9.214+/-18.417 χ^2/NDF : 5.0/4

Right Out: 21.490+/-13.601 χ^2/NDF : 29.9/19

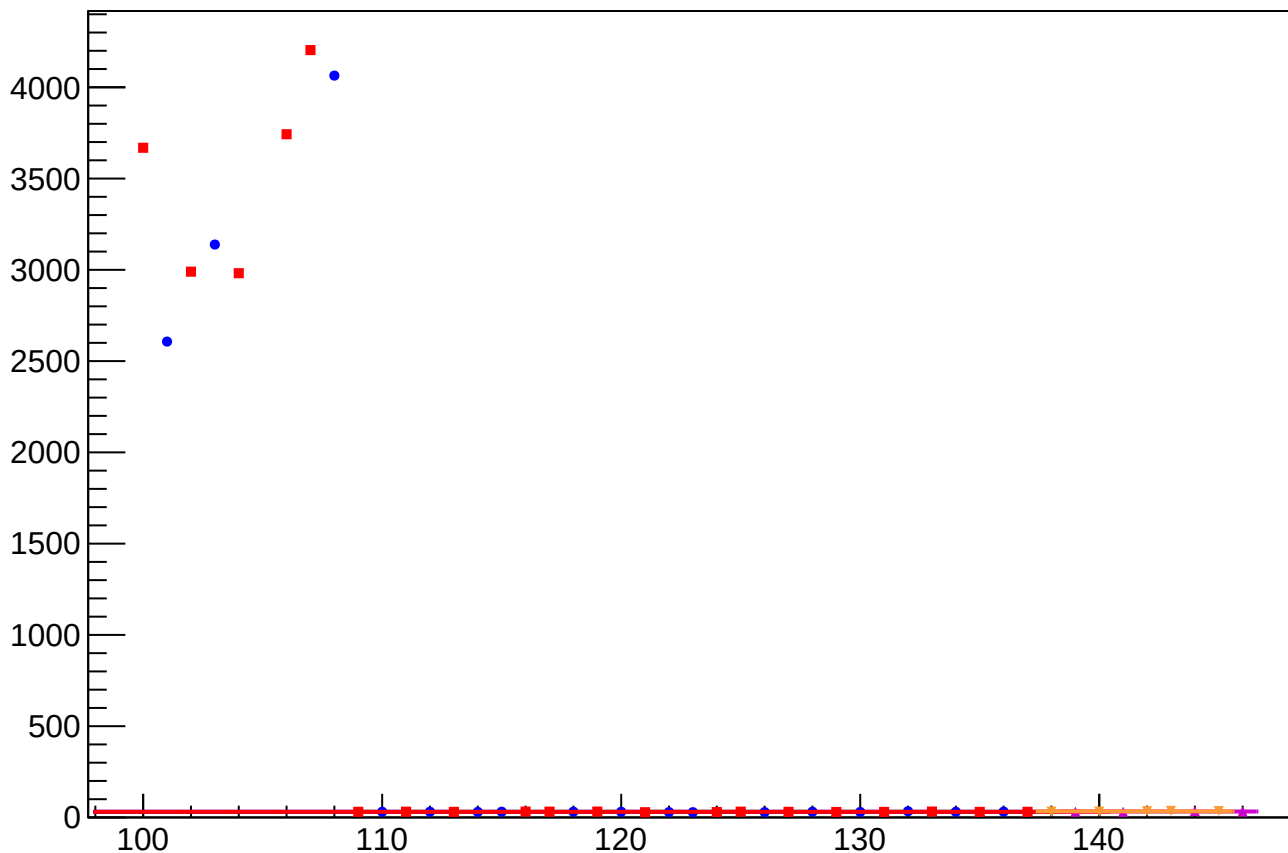
Left In: 21.202+/-18.280 χ^2/NDF : 3.0/3

5.872+/-10.950 χ^2/NDF : 21.2/21

13.656+/-7.729 χ^2/NDF : 55.2/45

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: 33.464 $\pm$ 0.013 χ^2 /NDF:14524.1/4

Right Out: 30.970 $\pm$ 0.010 χ^2 /NDF: 3459018.8/19

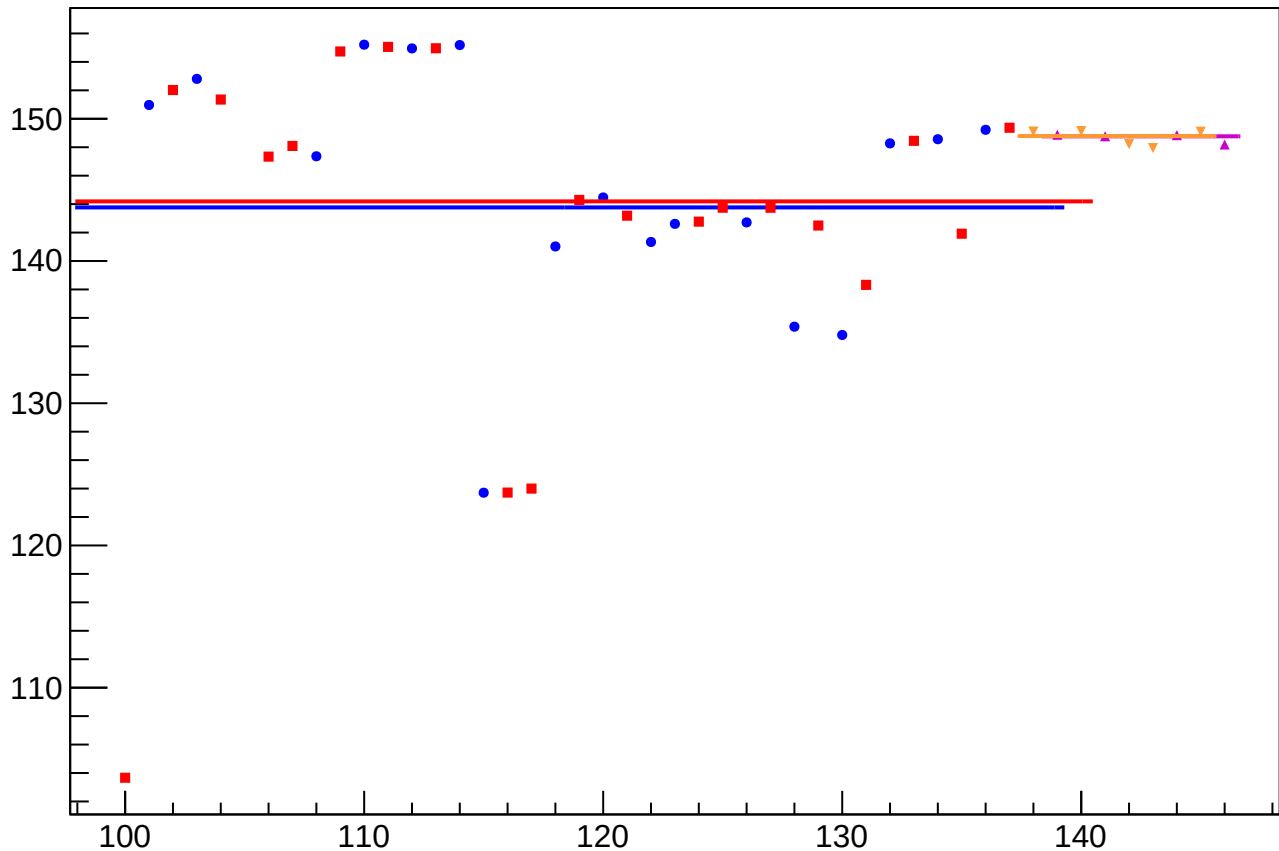
Left In: 32.623 $\pm$ 0.013 χ^2 /NDF:14566.7/3

31.953 $\pm$ 0.008 χ^2 /NDF: 3049771.2/21

31.755 $\pm$ 0.005 χ^2 /NDF: 6535169.5/45

31.559 $\pm$ 0.008 χ^2 /NDF: 3484102.2/23

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.768 $\pm$ 0.000 χ^2 /NDF: 3532173868.5/16

Left Out: 148.787 $\pm$ 0.000 χ^2 /NDF: 7580921.4/4

Right Out: 144.192 $\pm$ 0.000 χ^2 /NDF: 4524049993.1/19

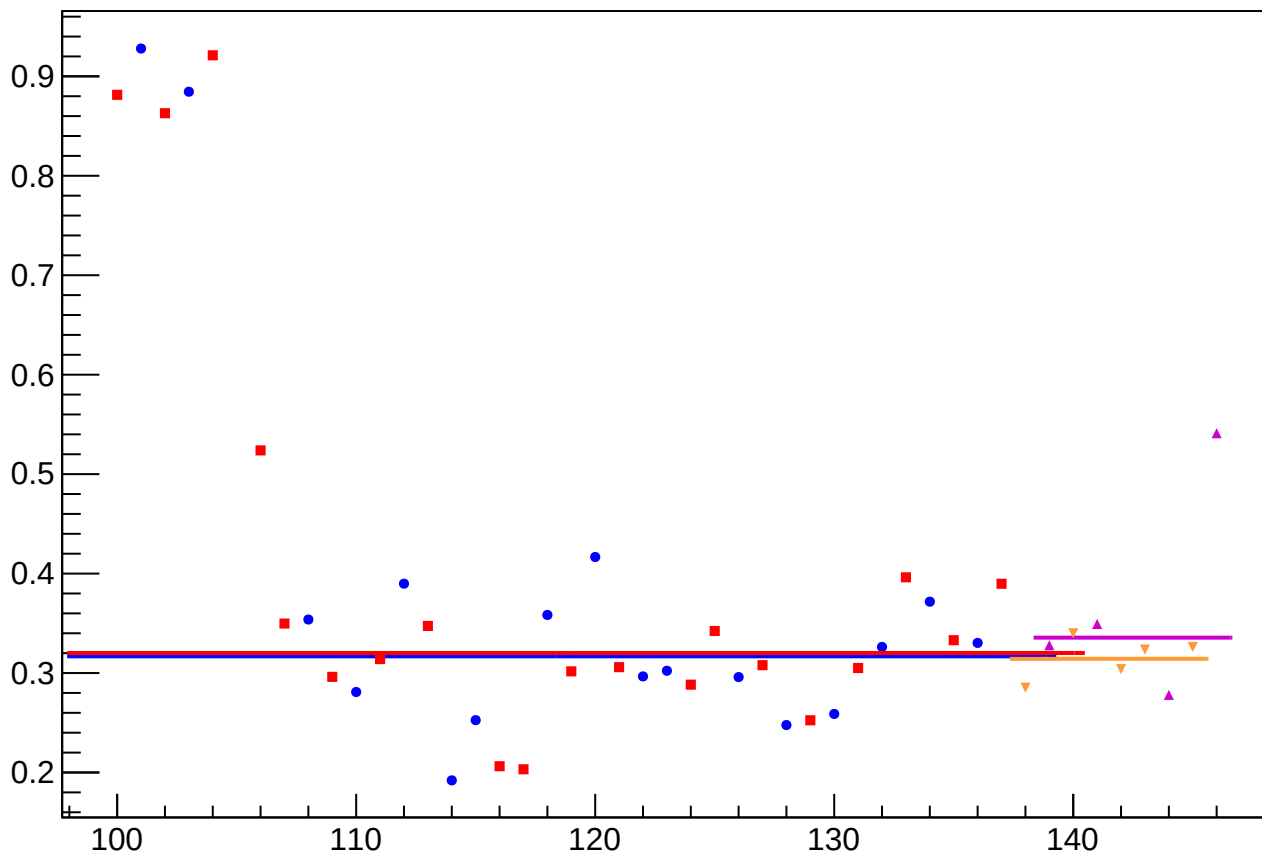
Left In: 148.767 $\pm$ 0.000 χ^2 /NDF: 1062265.8/3

145.599 $\pm$ 0.000 χ^2 /NDF: 4051186409.5/21

145.613 $\pm$ 0.000 χ^2 /NDF: 8953176534.6/21

145.627 $\pm$ 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: 0.314 $\pm$ 0.000 χ^2 /NDF: 27403.8/4

Right Out: 0.320 $\pm$ 0.000 χ^2 /NDF: 1240600.2/19

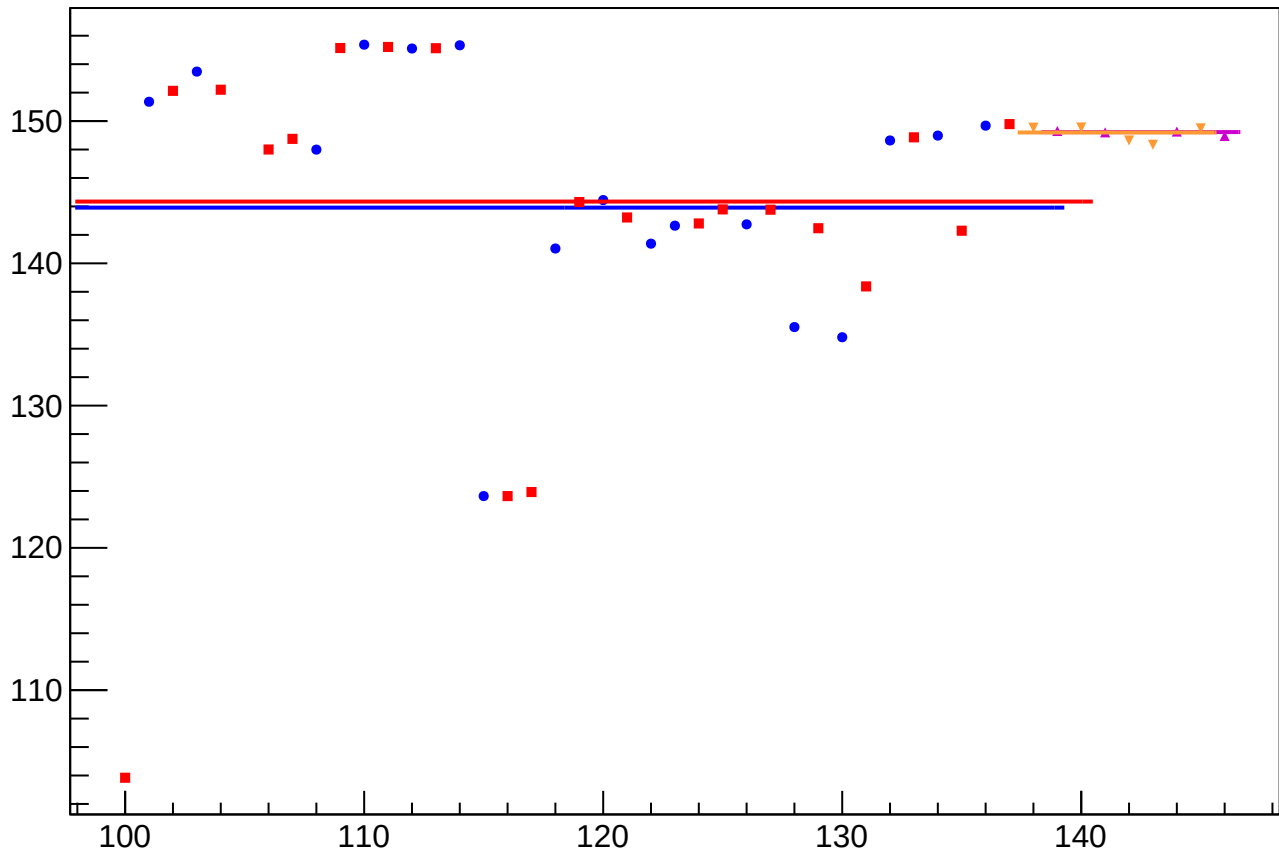
Left In: 0.336 $\pm$ 0.000 χ^2 /NDF: 306467.5/3

0.316 $\pm$ 0.000 χ^2 /NDF: 1306275.2/21

0.320 $\pm$ 0.000 χ^2 /NDF: 2869009.8/45

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: 149.199 $\pm$ 0.000 χ^2 /NDF: 7693039.4/4

Right Out: 144.342 $\pm$ 0.000 χ^2 /NDF: 4551365931.0/19

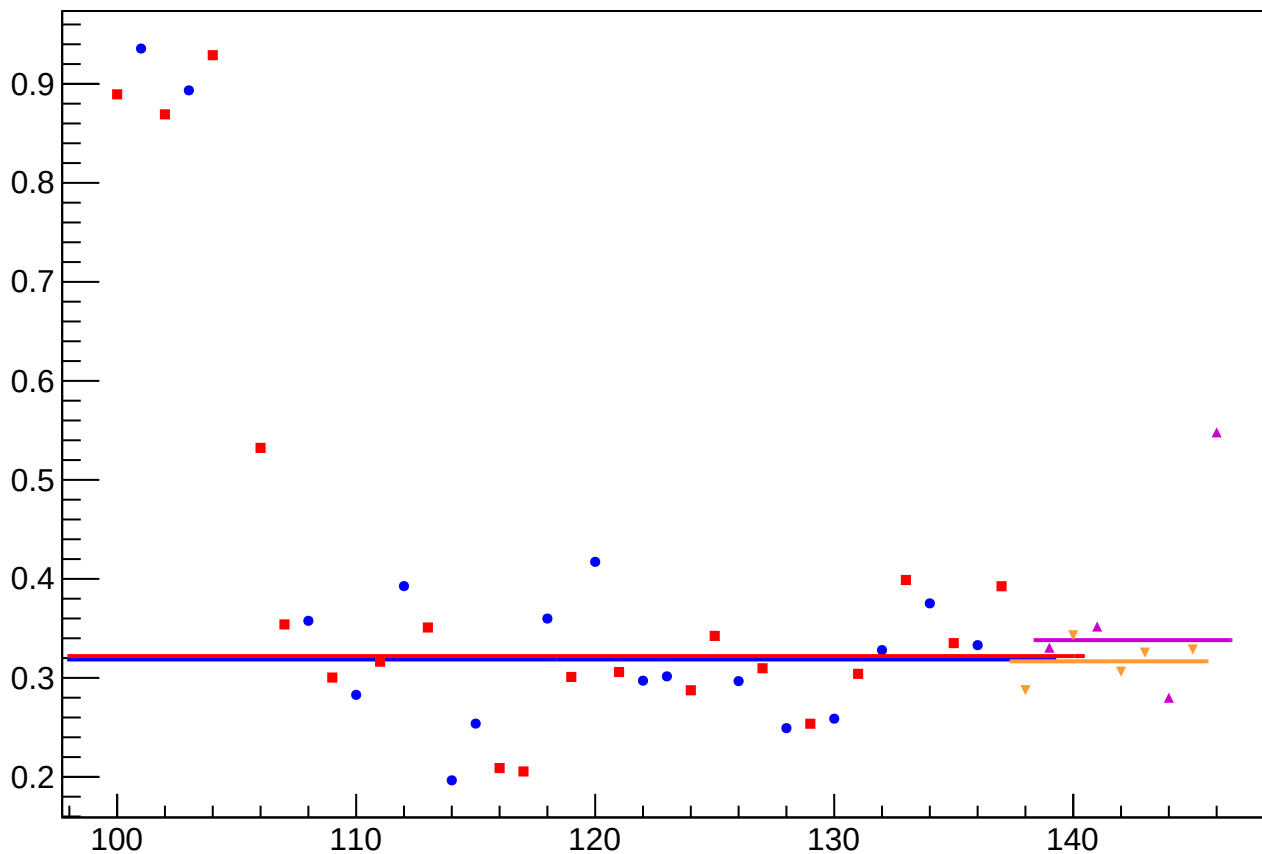
Left In: 149.227 $\pm$ 0.000 χ^2 /NDF: 254850.9/3

145.839 $\pm$ 0.000 χ^2 /NDF: 4151117217.4/21

145.854 $\pm$ 0.000 χ^2 /NDF: 9126106977.4/21

145.870 $\pm$ 0.000 χ^2 /NDF: 4974948244.4/23

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.319+/-0.000 χ^2/NDF : 1280748.9/16

Left Out: 0.317+/-0.000 χ^2/NDF : 27446.8/4

Right Out: 0.322+/-0.000 χ^2/NDF : 1243109.0/19

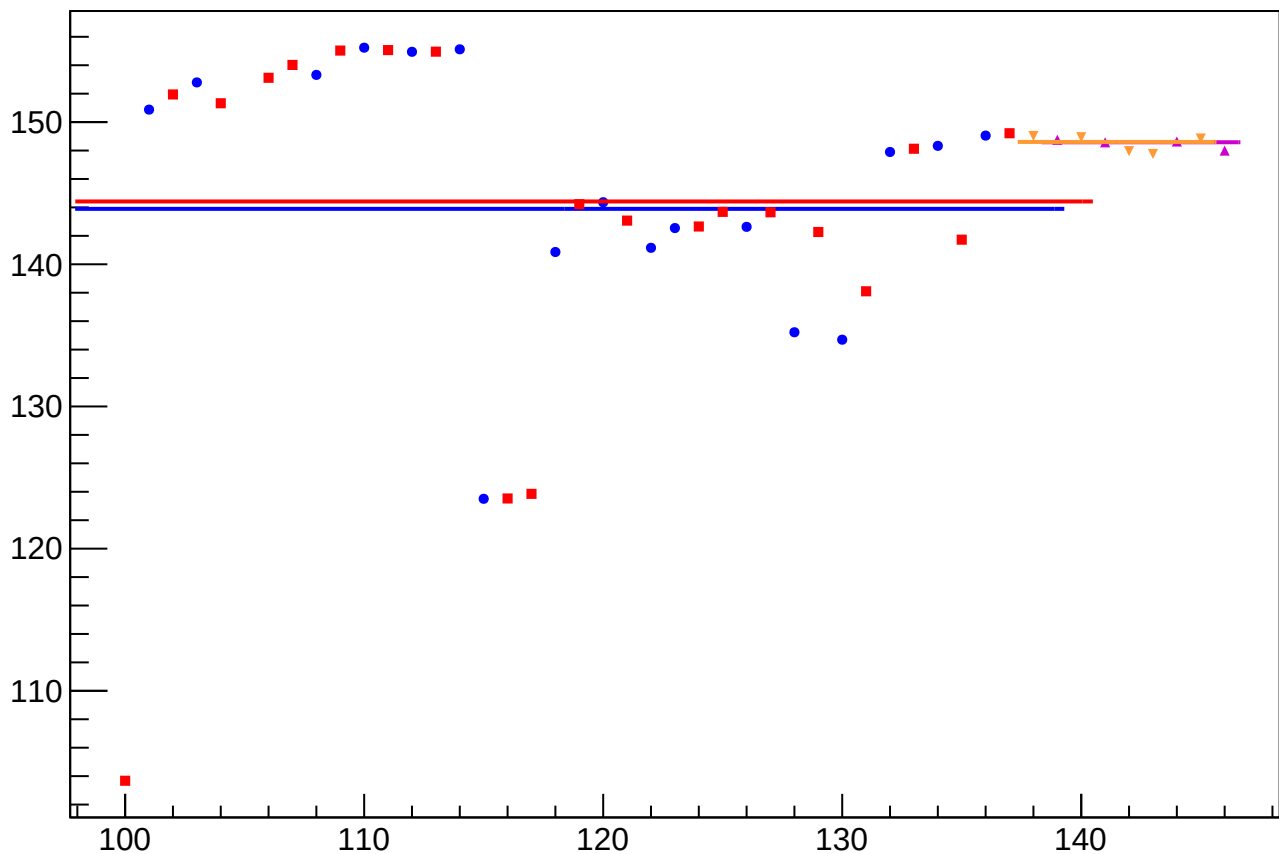
Left In: 0.338+/-0.000 χ^2/NDF : 310706.2/3

0.318+/-0.000 χ^2/NDF : 1308334.2/21

0.322+/-0.000 χ^2/NDF : 2878373.5/45

0.327+/-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: 148.606 $\pm$ 0.000 χ^2 /NDF: 8347529.7/4

Right Out: 144.419 $\pm$ 0.000 χ^2 /NDF: 4820290476.6/19

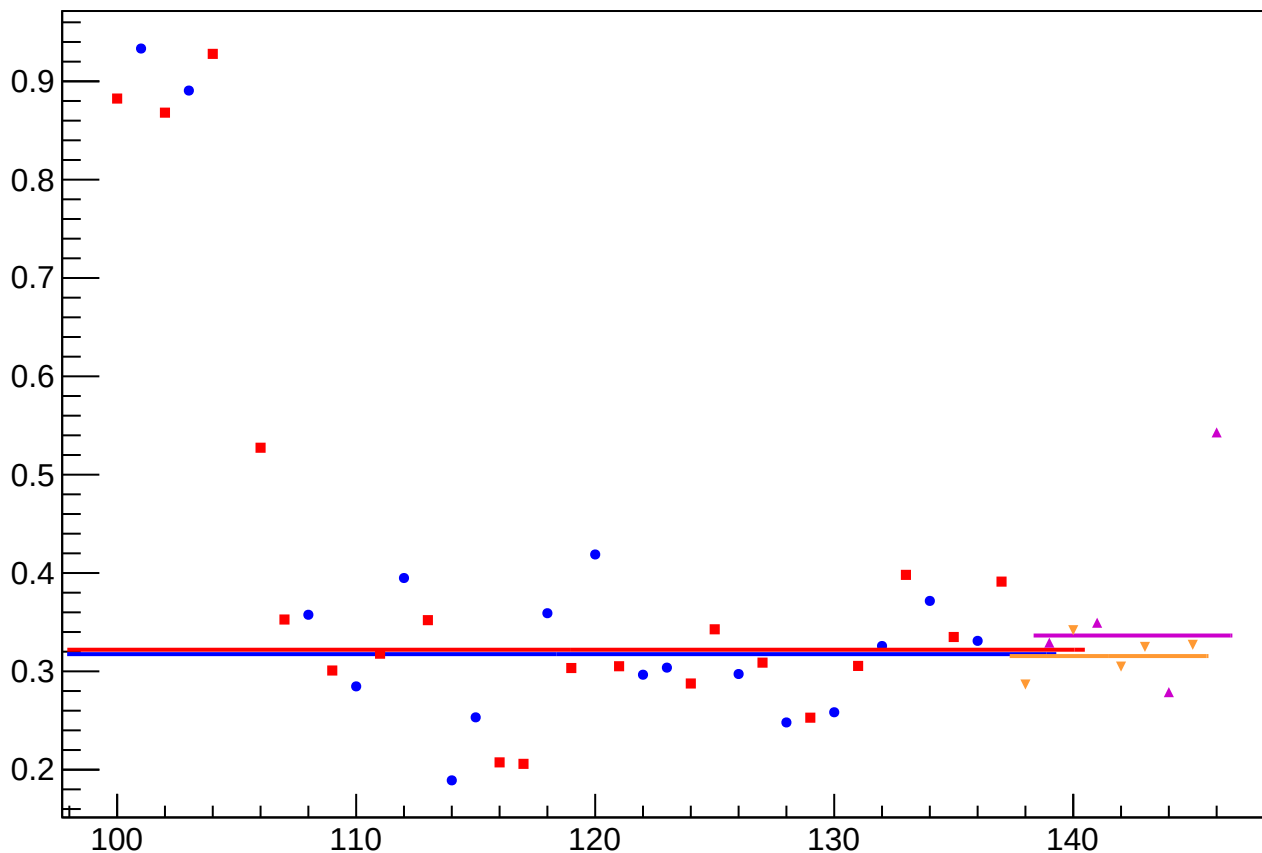
Left In: 148.583 $\pm$ 0.000 χ^2 /NDF: 1166530.0/3

145.614 $\pm$ 0.000 χ^2 /NDF: 4204851635.6/21

145.671 $\pm$ 0.000 χ^2 /NDF: 9336944313.5/

145.731 $\pm$ 0.000 χ^2 /NDF: 5131511618.4/23

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317+/-0.000 χ^2/NDF : 1293179.2/16

Left Out: 0.316+/-0.000 χ^2/NDF : 27396.5/4

Right Out: 0.322+/-0.000 χ^2/NDF : 1243703.4/19

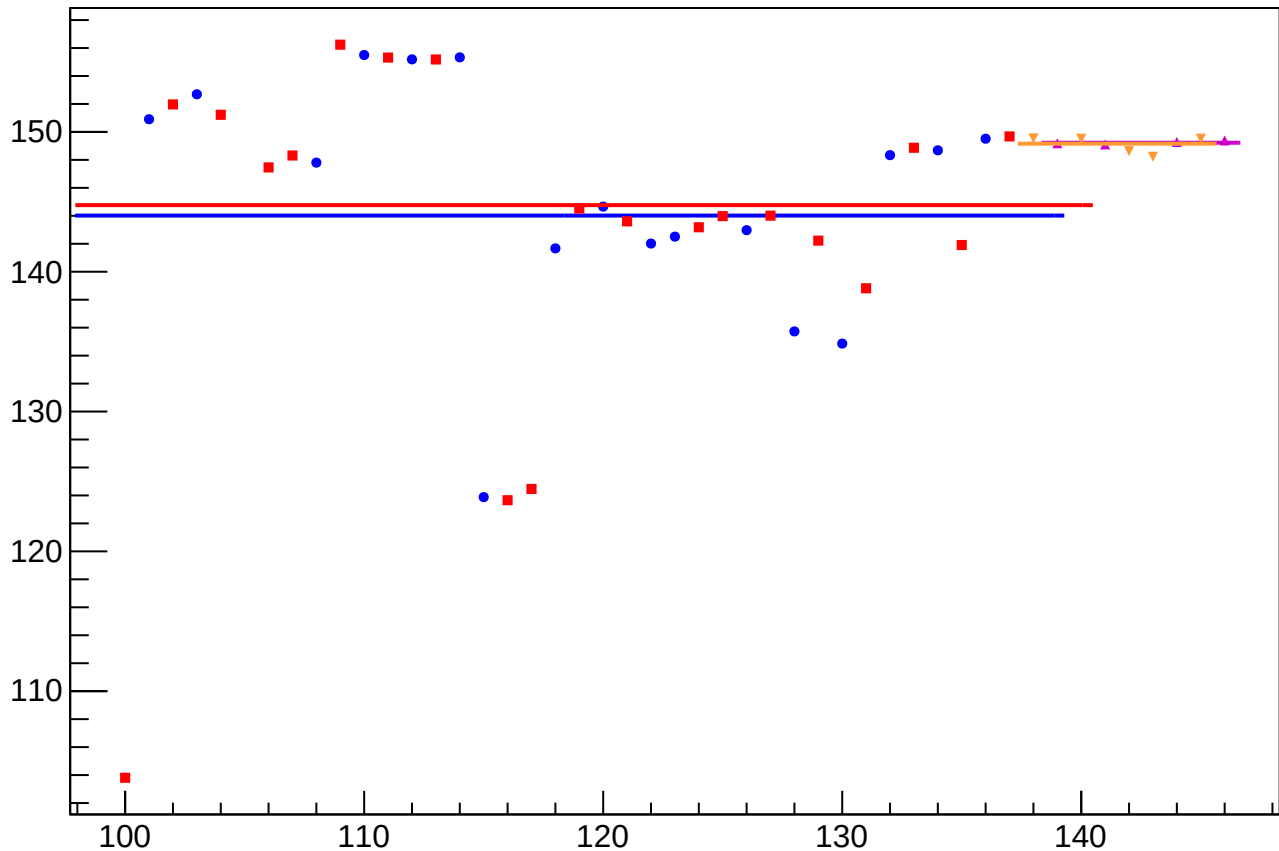
Left In: 0.336+/-0.000 χ^2/NDF : 306493.6/3

0.317+/-0.000 χ^2/NDF : 1320728.0/21

0.322+/-0.000 χ^2/NDF : 2886471.0/45

0.327+/-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: 144.764 ± 0.000 χ^2/NDF : 4098462011.9/19

Right Out: 145.815 ± 0.000 χ^2/NDF : 3721470954.5/21

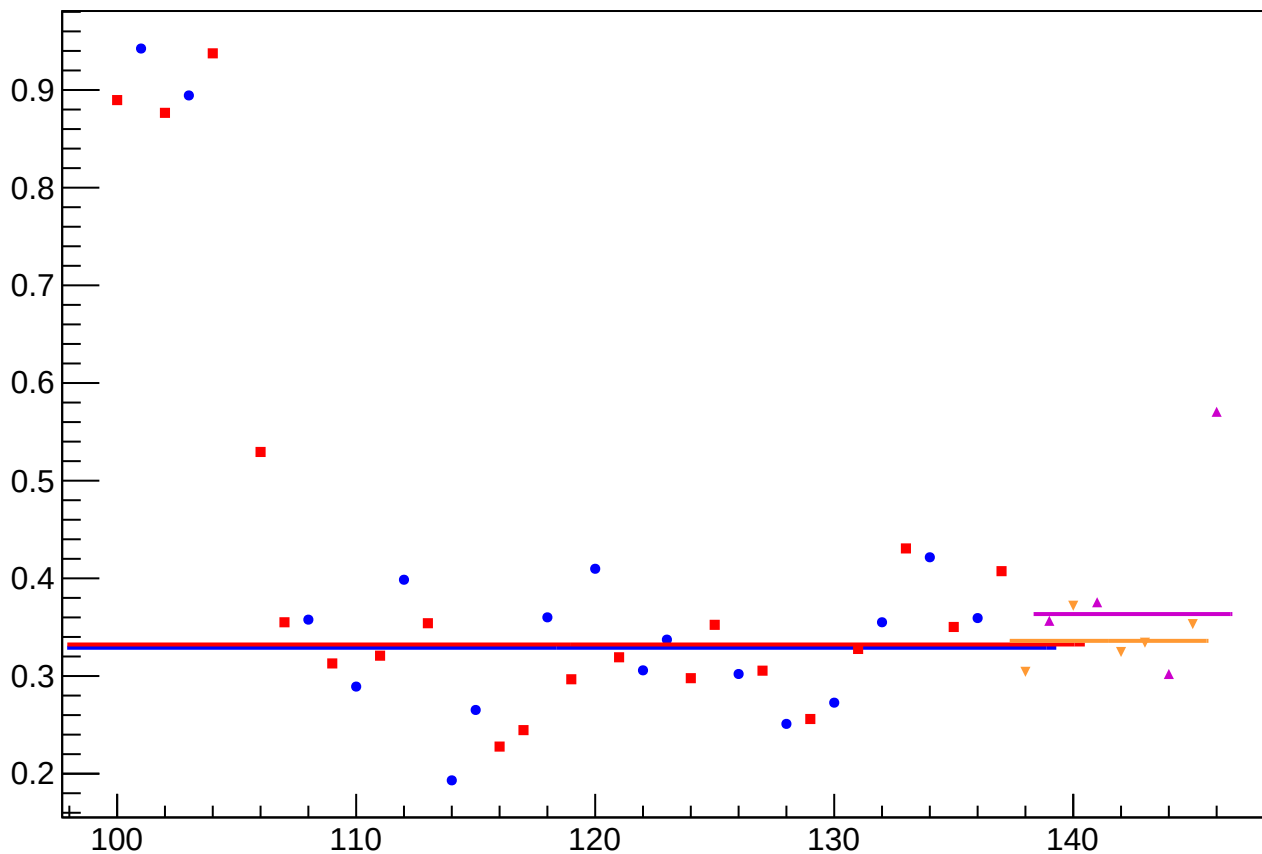
Left In: 145.944 ± 0.000 χ^2/NDF : 8135588329.4/21

146.078 ± 0.000 χ^2/NDF : 4411442356.5/23

145.944 ± 0.000 χ^2/NDF : 8135588329.4/21

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: 0.336 $\pm$ 0.000 χ^2/NDF : 33882.6/4

Right Out: 0.332 $\pm$ 0.000 χ^2/NDF : 1191637.2/19

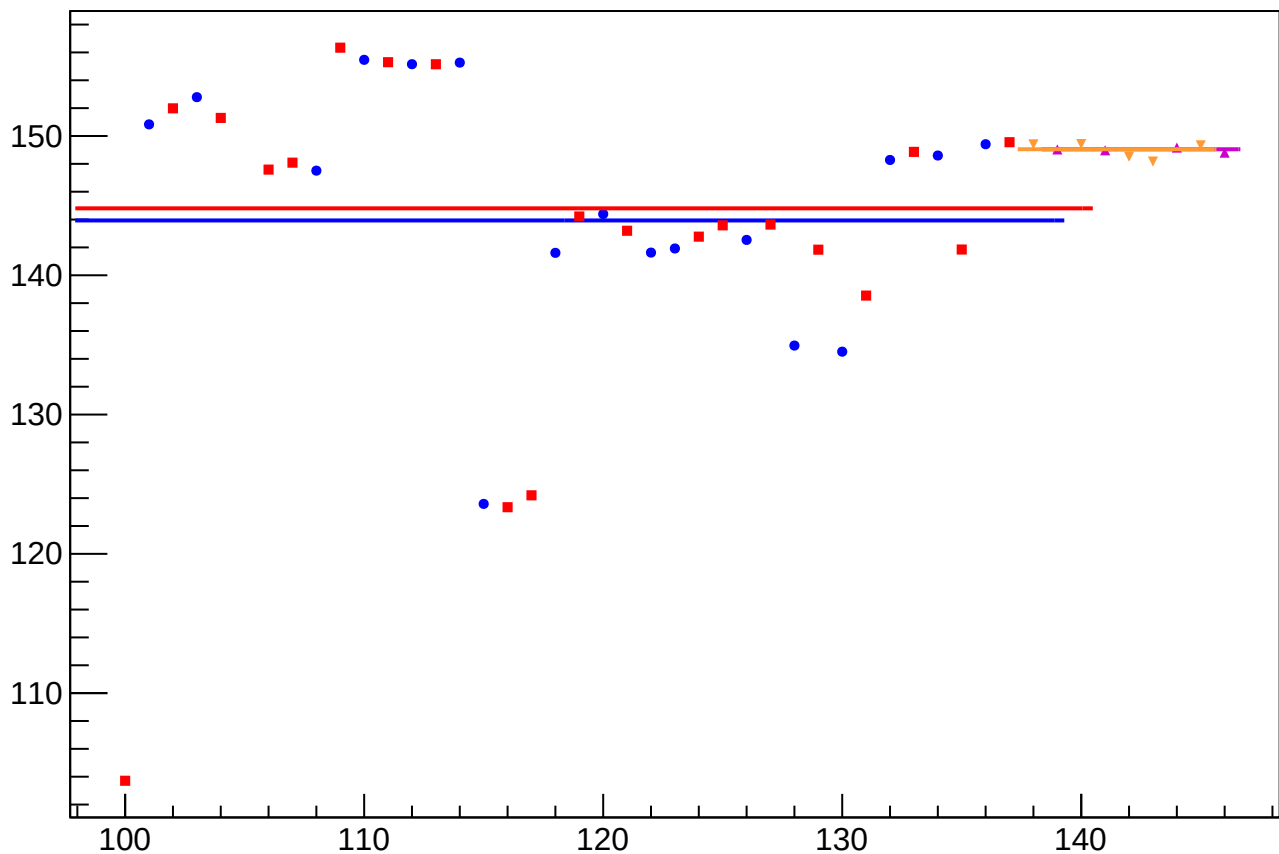
Left In: 0.363 $\pm$ 0.000 χ^2/NDF : 280116.7/3

0.331 $\pm$ 0.000 χ^2/NDF : 1311791.2/21

0.336 $\pm$ 0.000 χ^2/NDF : 2821804.8/45

0.341 $\pm$ 0.000 χ^2/NDF : 1502233.6/23

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.937 $\pm$ 0.000 χ^2 /NDF: 3379203532.9/16

Left Out: 149.050 $\pm$ 0.000 χ^2 /NDF: 7023551.4/4

Right Out: 144.806 $\pm$ 0.000 χ^2 /NDF: 4139087143.3/19

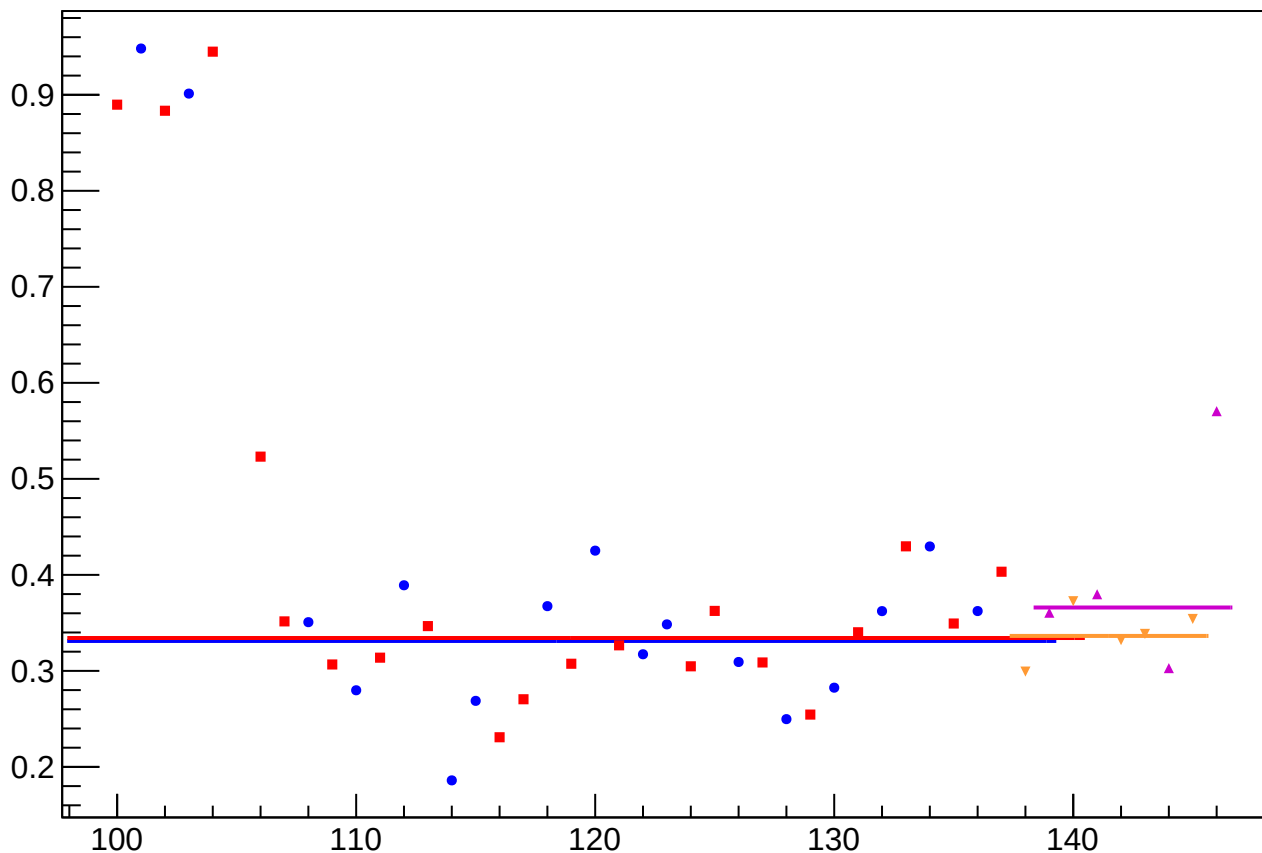
Left In: 149.047 $\pm$ 0.000 χ^2 /NDF: 303927.1/3

145.735 $\pm$ 0.000 χ^2 /NDF: 3850543747.3/21

145.889 $\pm$ 0.000 χ^2 /NDF: 8271213015.1/21

146.049 $\pm$ 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: 0.336+/-0.000 χ^2/NDF : 39434.2/4

Right Out: 0.334+/-0.000 χ^2/NDF : 1176170.4/19

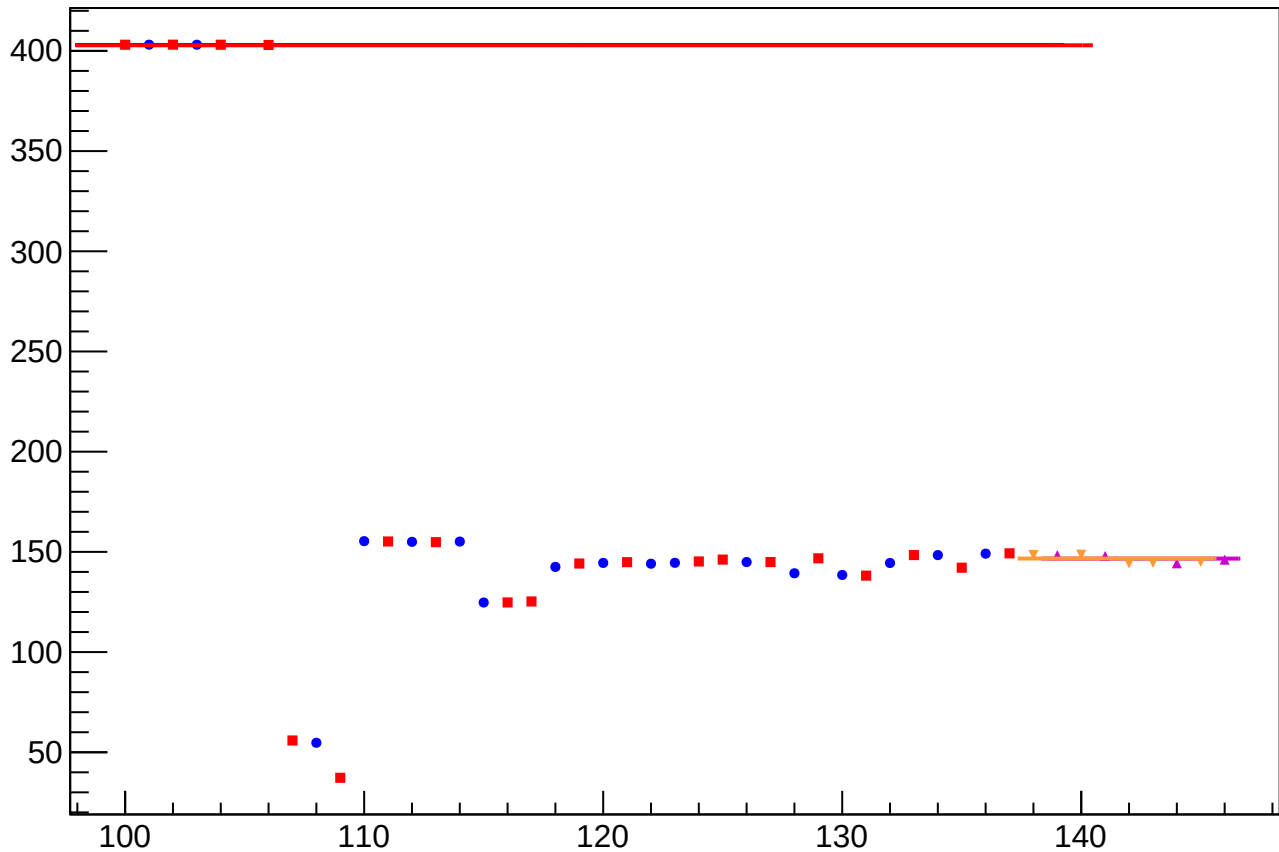
Left In: 0.366+/-0.000 χ^2/NDF : 277637.5/3

0.333+/-0.000 χ^2/NDF : 1336157.4/21

0.338+/-0.000 χ^2/NDF : 2829581.0/45

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: 146.685+/-0.000 χ^2/NDF : 22004344.8/4

Right Out: 402.797+/-0.000 χ^2/NDF : 3122752044607.2/19

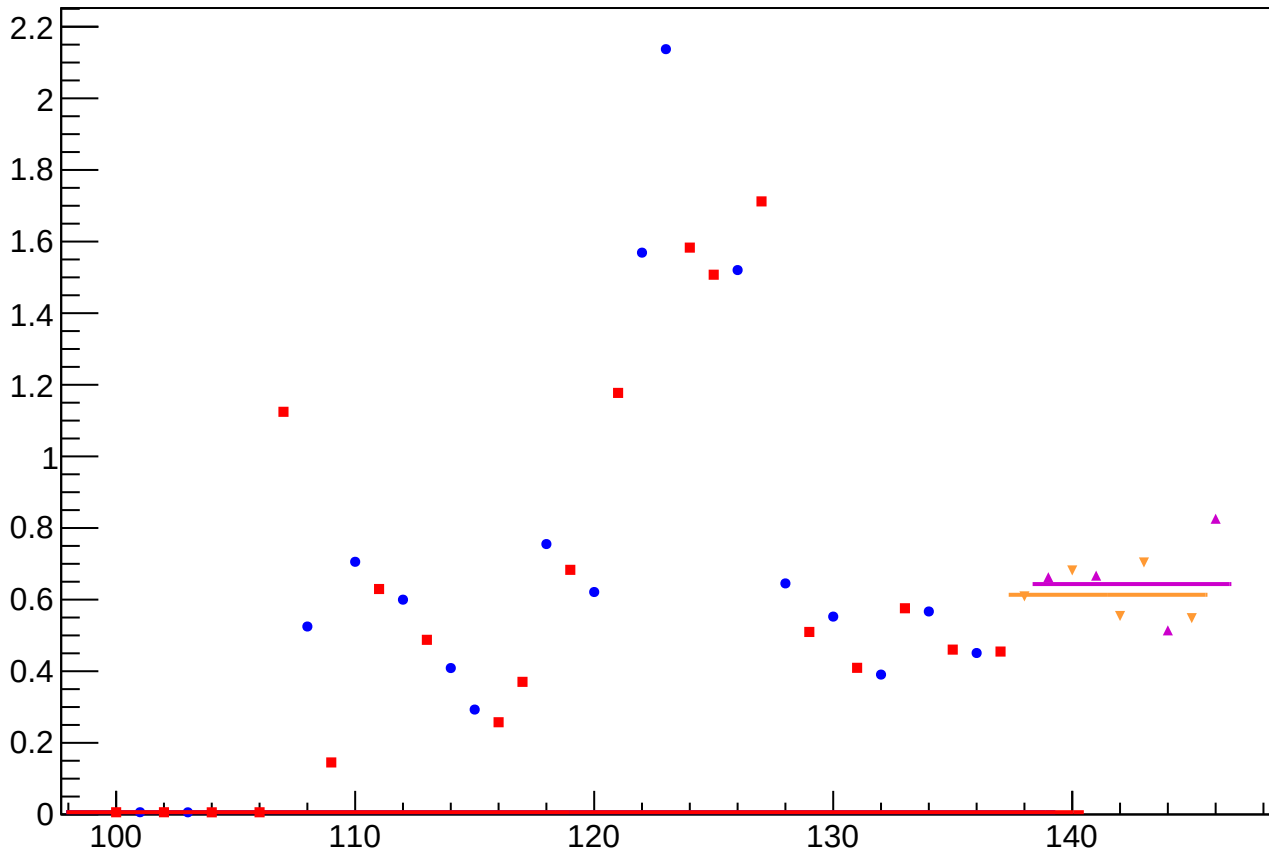
Left In: 146.647+/-0.000 χ^2/NDF : 15350644.9/3

402.909+/-0.000 χ^2/NDF : 1483160780652.4/23

402.829+/-0.000 χ^2/NDF : 494863445977

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: 0.614+/-0.000 χ^2/NDF : 40668.7/4

Right Out: 0.006+/-0.000 χ^2/NDF : 9277290.2/19

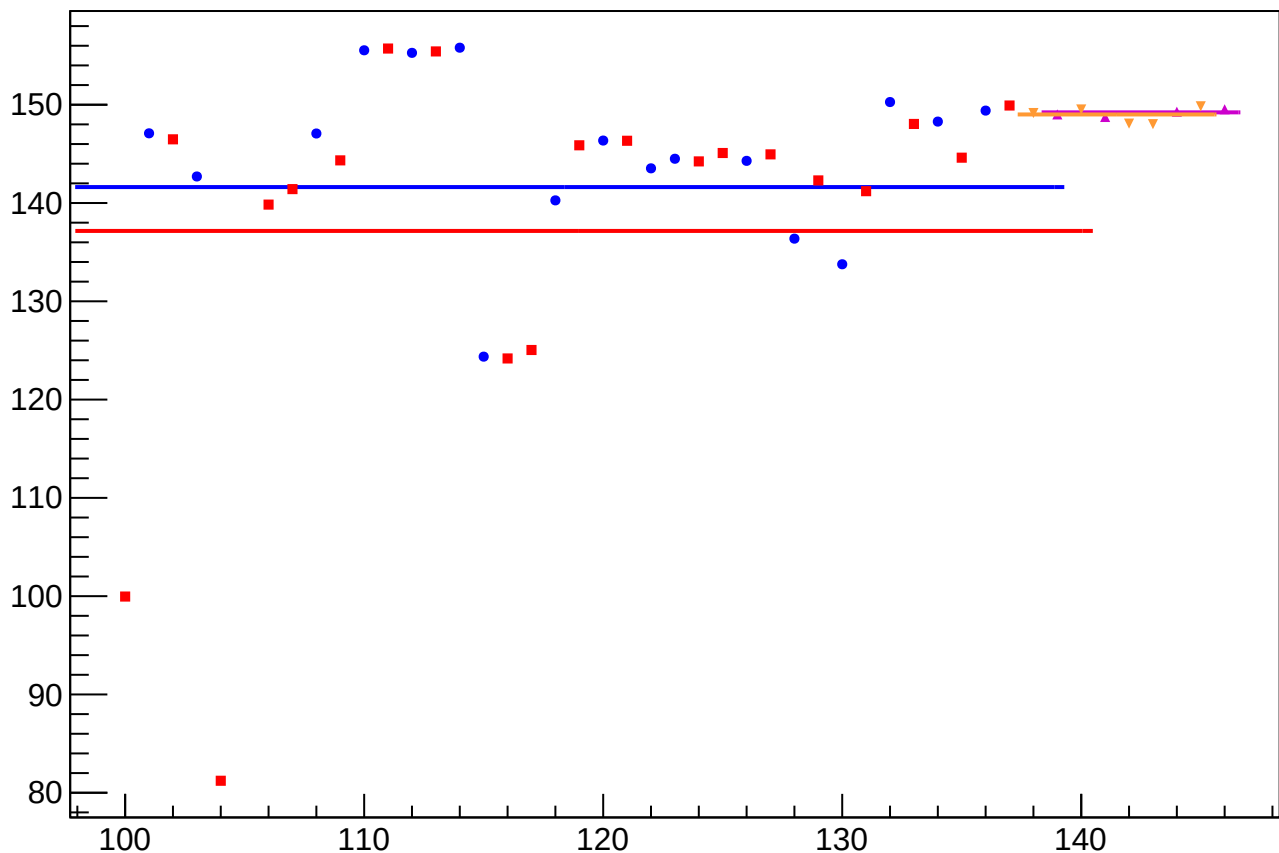
Left In: 0.643+/-0.000 χ^2/NDF : 110678.4/3

0.006+/-0.000 χ^2/NDF : 13540023.6/21

0.006+/-0.000 χ^2/NDF : 27163749.7/45

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: 149.011 $\pm$ 0.000 χ^2 /NDF: 6470015.1/4

Right Out: 137.160 $\pm$ 0.000 χ^2 /NDF: 1365742338.8/19

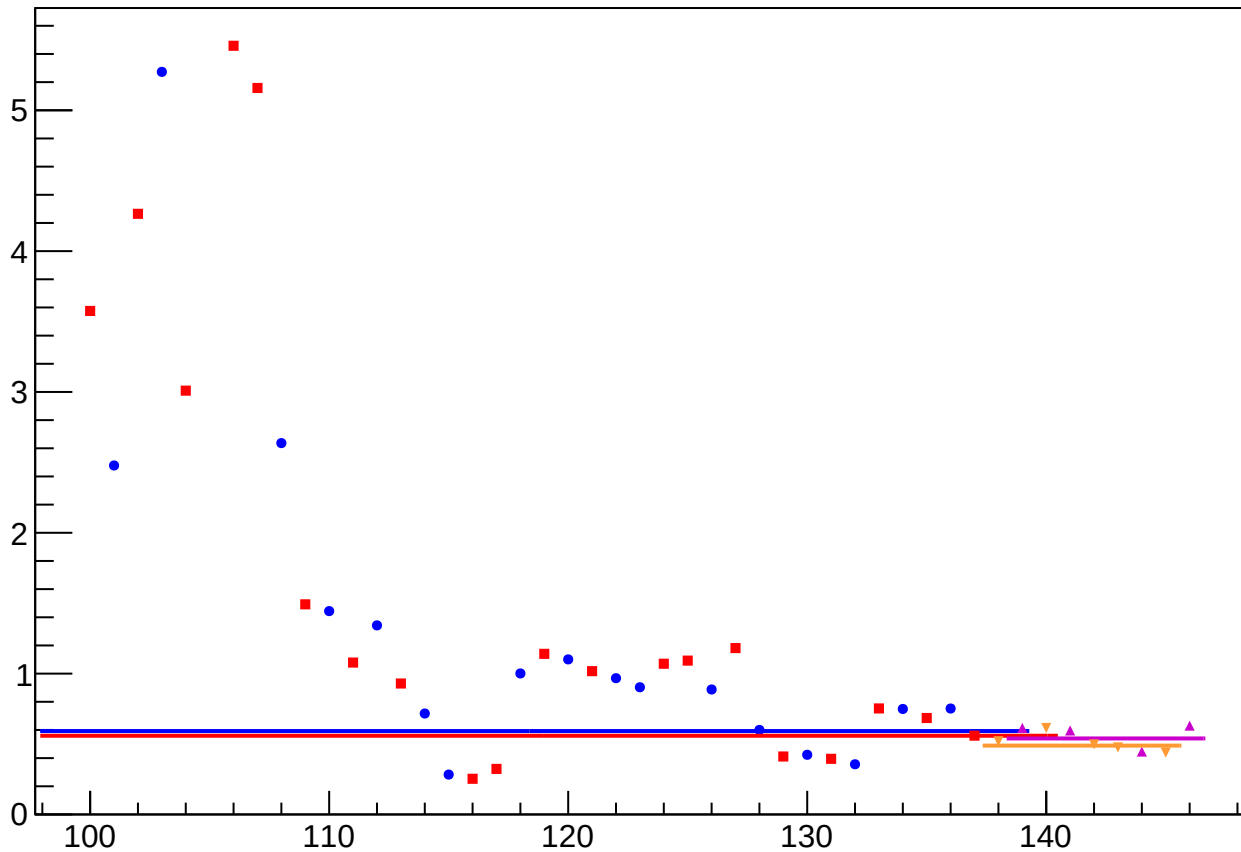
Left In: 149.224 $\pm$ 0.000 χ^2 /NDF: 569461.6/3

145.319 $\pm$ 0.000 χ^2 /NDF: 1264928795.5/21

143.853 $\pm$ 0.000 χ^2 /NDF: 3399603774.3/21

142.296 $\pm$ 0.000 χ^2 /NDF: 2044923693.3/23

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3521577.2/16

Left Out: 0.489 $\pm$ 0.000 χ^2 /NDF: 59481.9/4

Right Out: 0.559 $\pm$ 0.000 χ^2 /NDF: 4719868.1/19

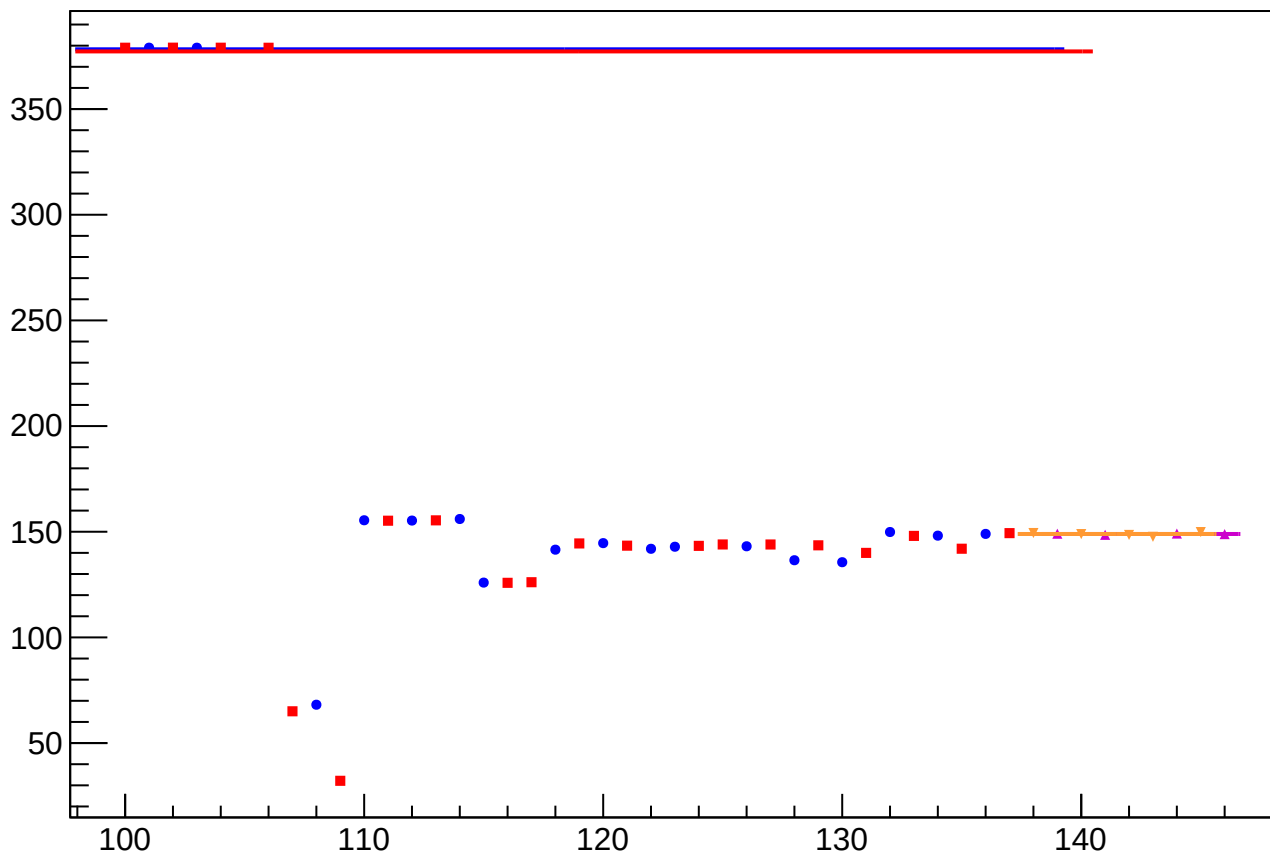
Left In: 0.540 $\pm$ 0.000 χ^2 /NDF: 117313.8/3

0.541 $\pm$ 0.000 χ^2 /NDF: 3689241.4/21

0.545 $\pm$ 0.000 χ^2 /NDF: 8531864.7/45

0.551 $\pm$ 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: 148.938+/-0.000 χ^2/NDF : 13719789.2/4

Right Out: 377.282+/-0.000 χ^2/NDF : 8306405788315.4/19

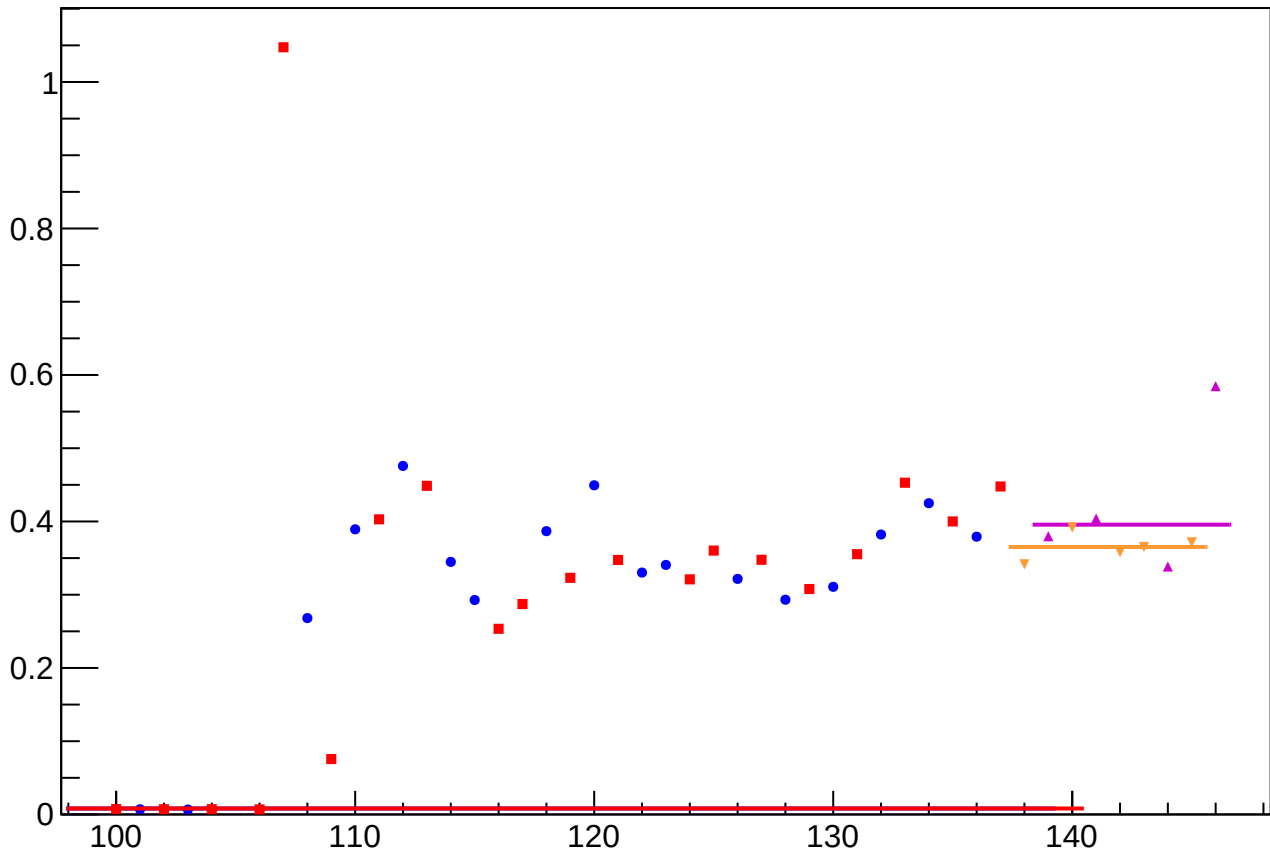
Left In: 148.938+/-0.000 χ^2/NDF : 1180726.2/3

377.870+/-0.000 χ^2/NDF : 3769129786939.0/23

377.403+/-0.000 χ^2/NDF : 130822976116

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: 0.365 $\pm$ 0.000 χ^2/NDF :14869.0/4

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 9601959.4/19

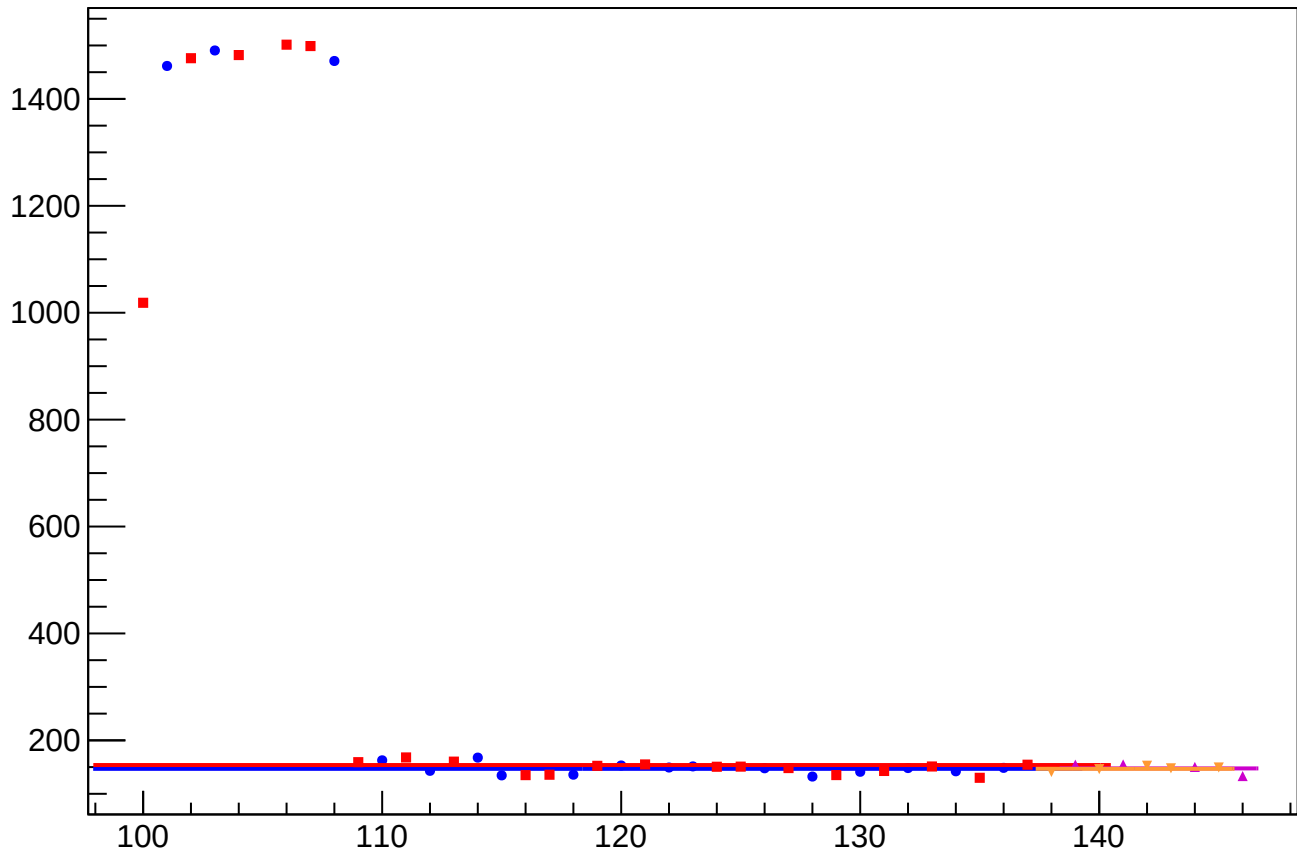
Left In: 0.396 $\pm$ 0.000 χ^2/NDF :219119.2/3

0.009 $\pm$ 0.000 χ^2/NDF : 15992033.3/21

0.009 $\pm$ 0.000 χ^2/NDF : 31580614.5/45

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: 146.736+/-0.001 χ^2/NDF : 45705562.5/4

Right Out: 153.818+/-0.000 χ^2/NDF : 33744777744.4/19

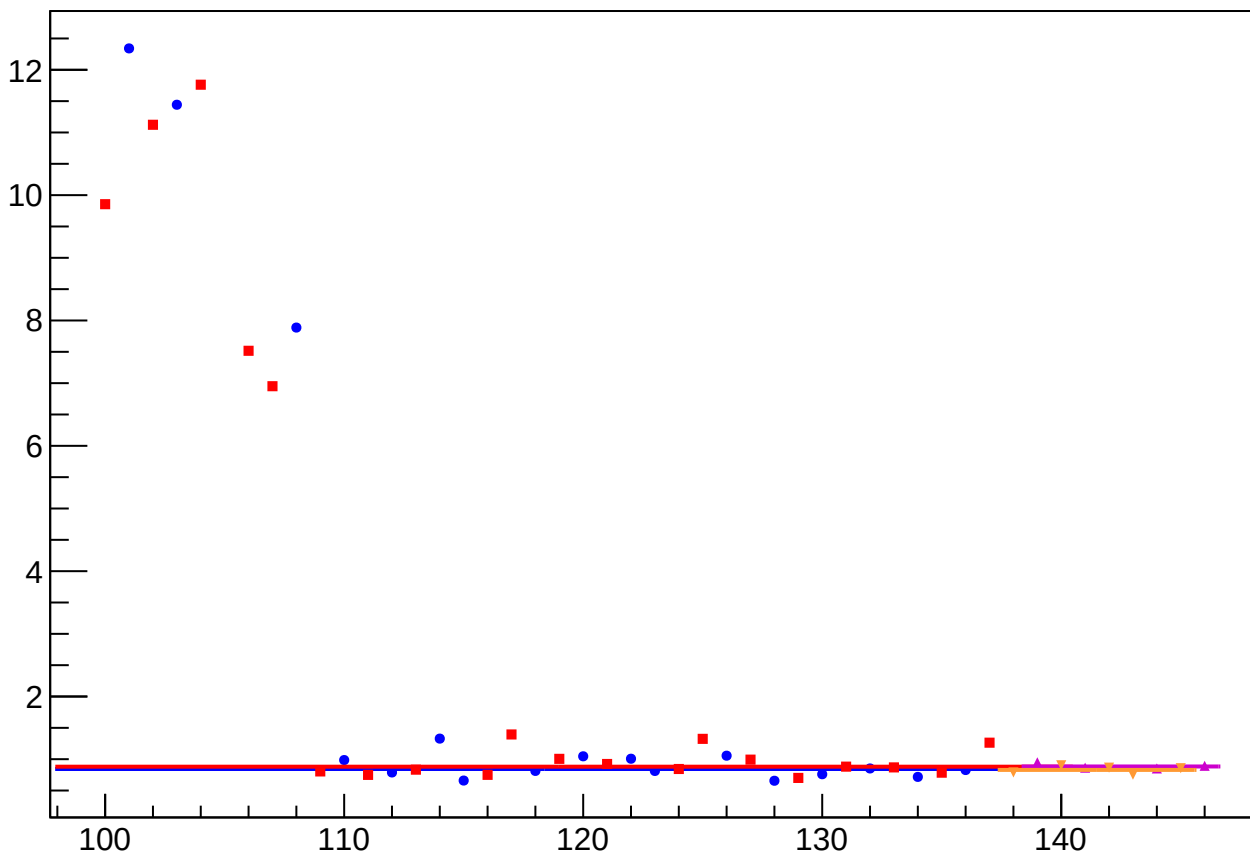
Left In: 147.511+/-0.001 χ^2/NDF : 256490508.1/3

146.728+/-0.000 χ^2/NDF : 24396576473.9/21

149.074+/-0.000 χ^2/NDF : 58572671906.1

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: 0.829+/-0.000 χ^2/NDF :20459.3/4

Right Out: 0.880+/-0.000 χ^2/NDF : 2823230.1/19

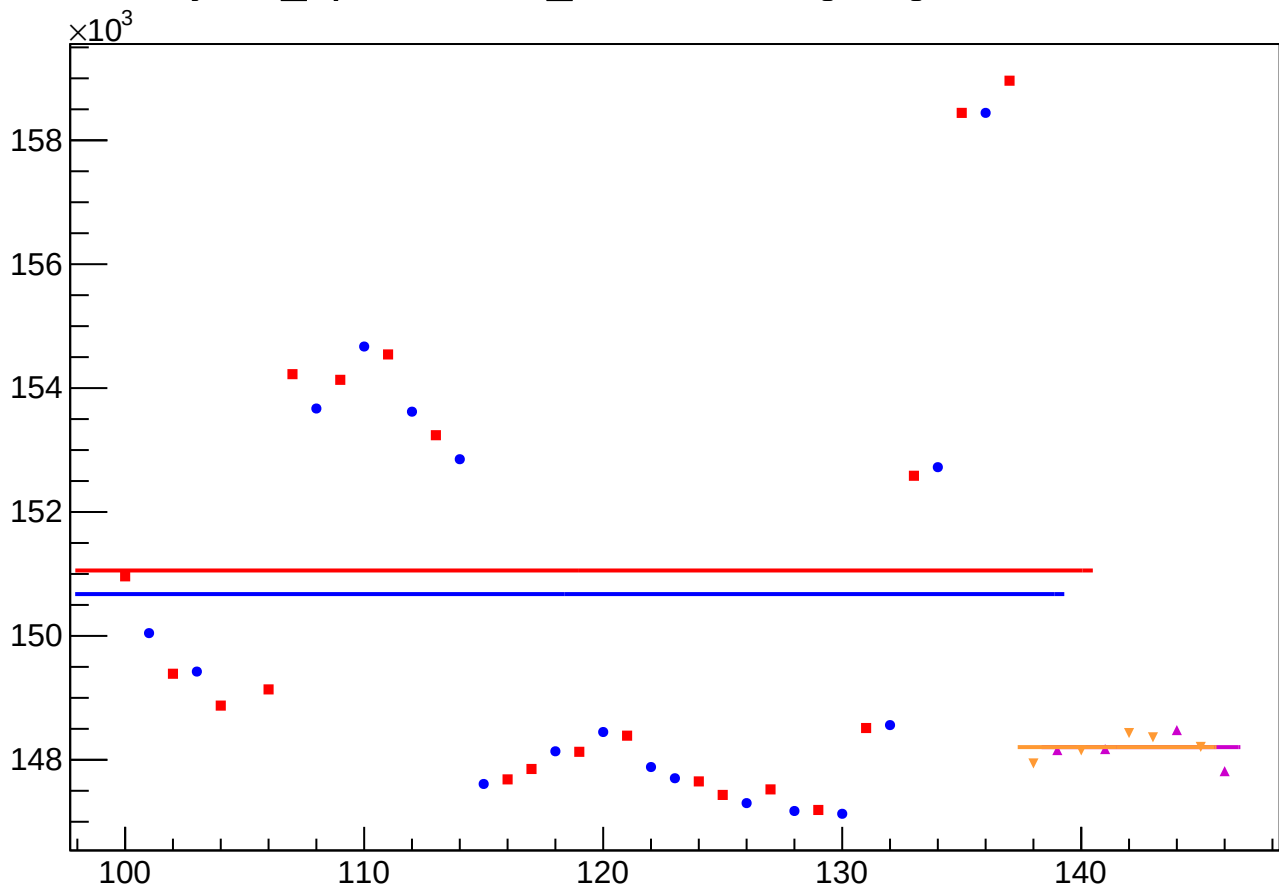
Left In: 0.884+/-0.000 χ^2/NDF :7215.3/3

0.838+/-0.000 χ^2/NDF : 2691818.9/21

0.859+/-0.000 χ^2/NDF : 5538536.5/45

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: 148205.118 $\pm$ 0.098 χ^2 /NDF: 3020313.6/4

Right Out: 151056.044 $\pm$ 0.059 χ^2 /NDF: 3325519080.9/19

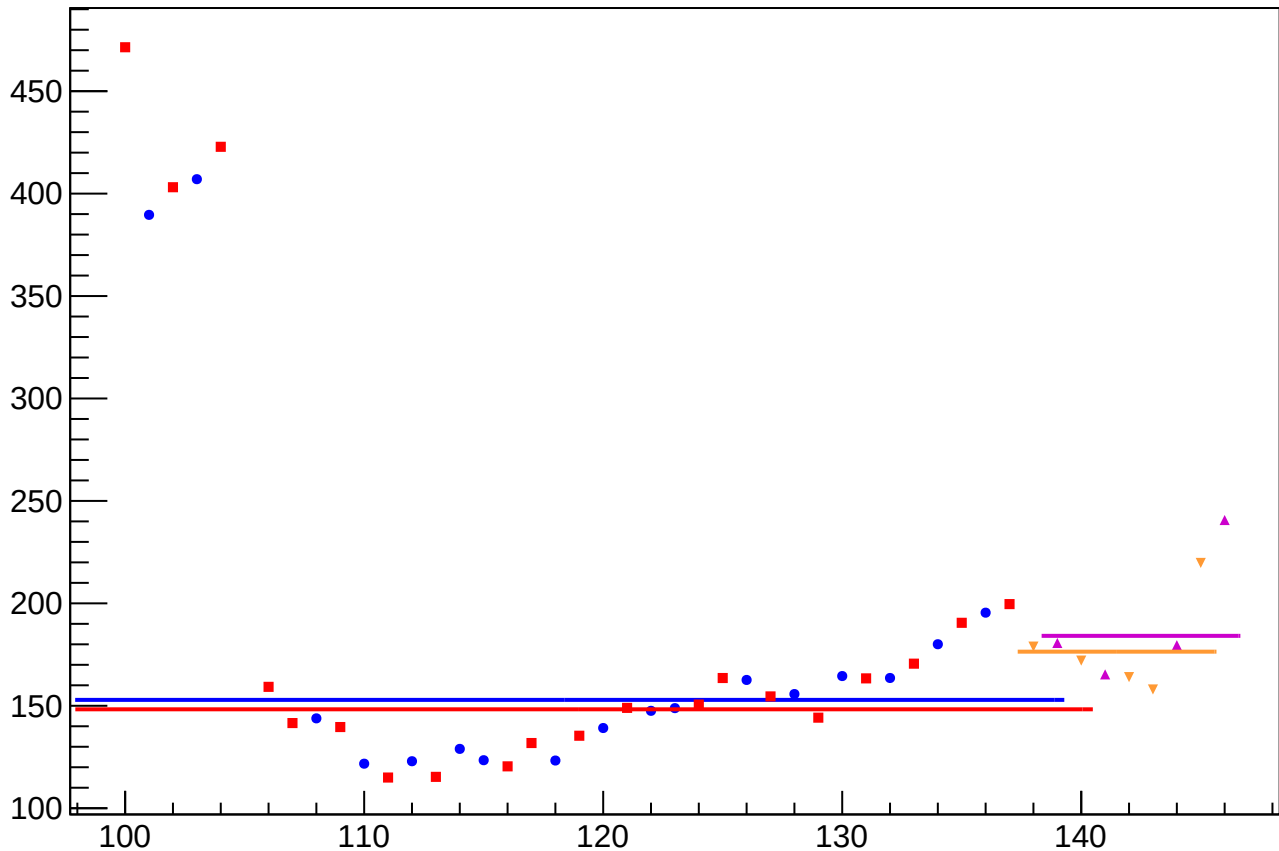
Left In: 148204.744 $\pm$ 0.105 χ^2 /NDF: 4109234.0/3

149958.218 $\pm$ 0.053 χ^2 /NDF: 3759609969.7/21

150164.878 $\pm$ 0.037 χ^2 /NDF: 767964329

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: 176.418 $\pm$ 0.070 χ^2 /NDF: 81335.7/4

Right Out: 148.278 $\pm$ 0.042 χ^2 /NDF: 1192879.8/19

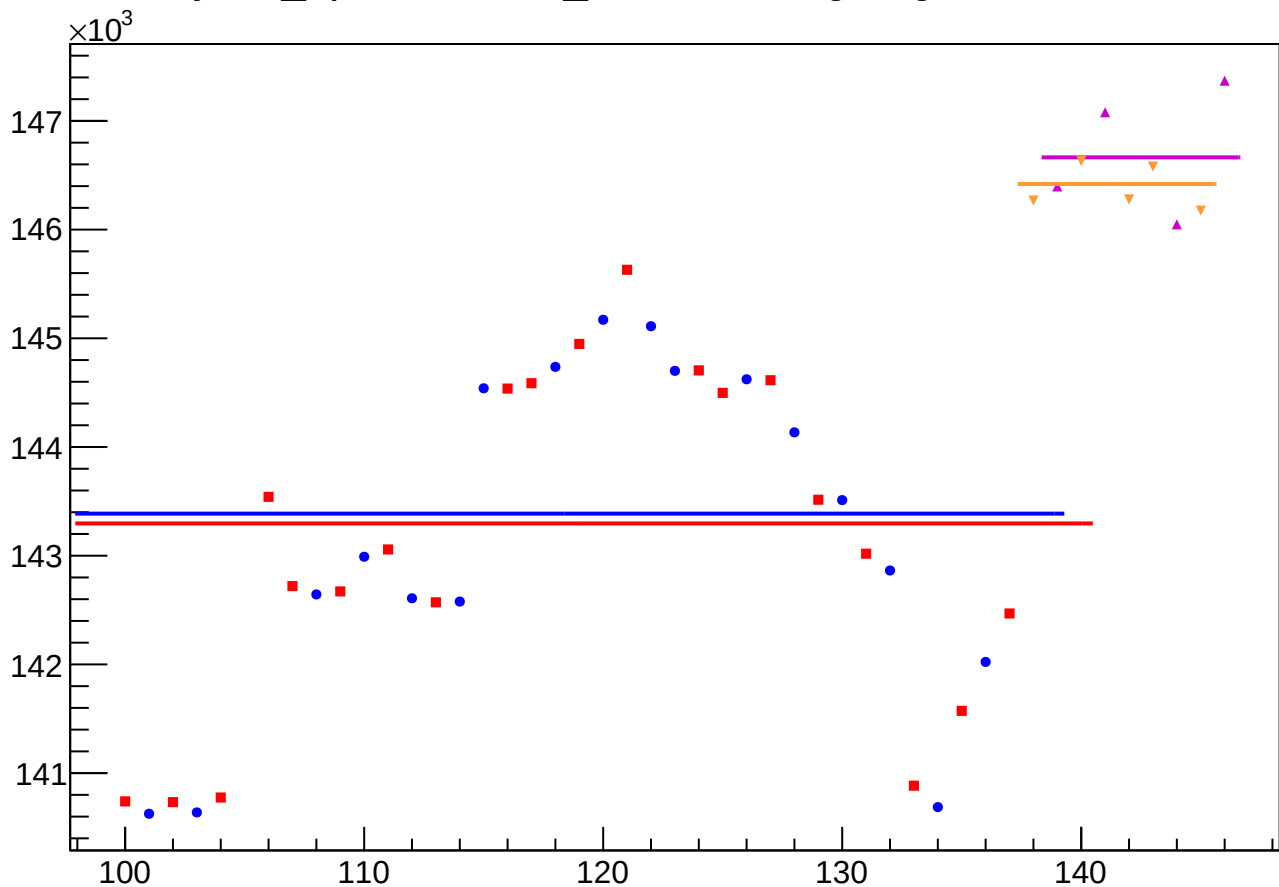
Left In: 184.140 $\pm$ 0.074 χ^2 /NDF: 110149.3/3

159.713 $\pm$ 0.038 χ^2 /NDF: 1316525.6/21

158.331 $\pm$ 0.026 χ^2 /NDF: 2799633.0/45

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: 146419.602 $\pm$ 0.098 χ^2/NDF : 3547711.7/4

Right Out: 143296.790 $\pm$ 0.049 χ^2/NDF : 615134284.0/19

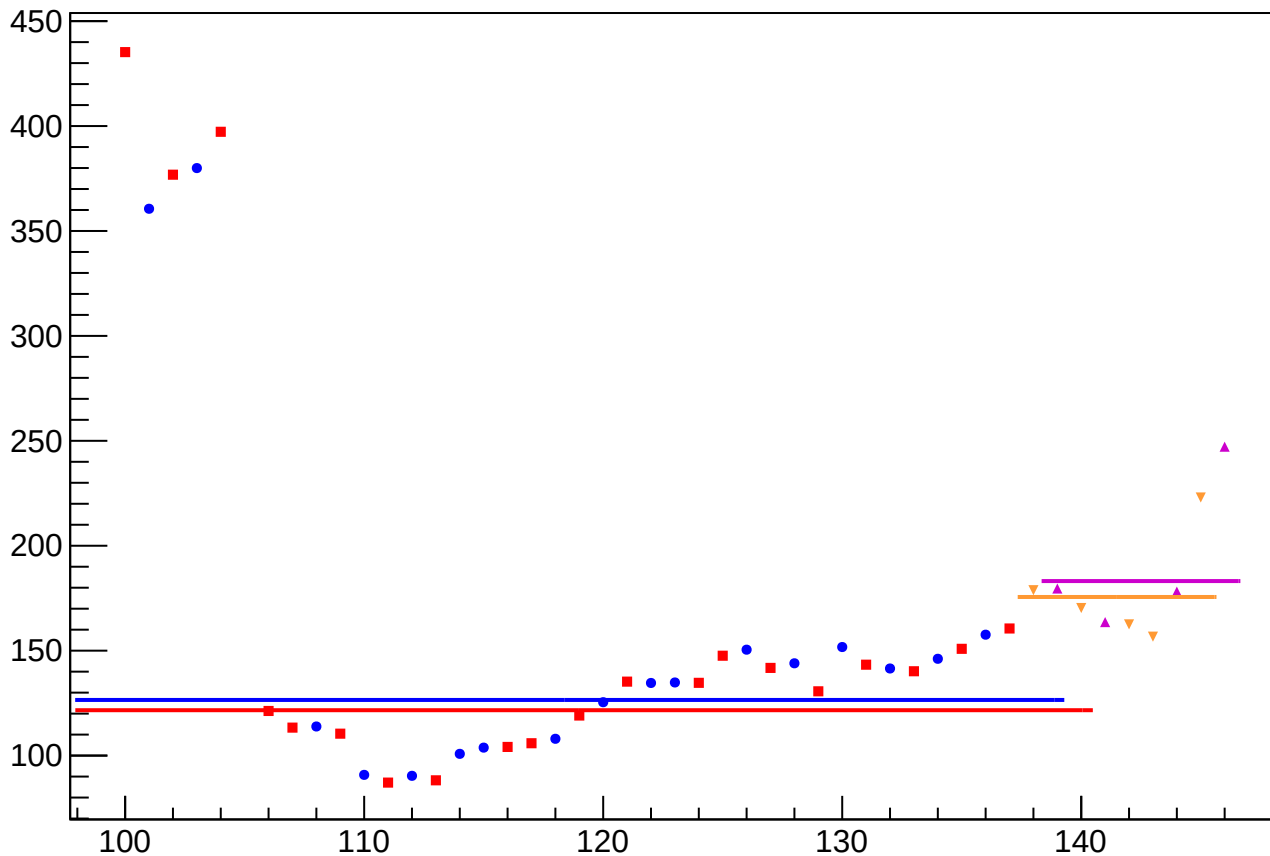
Left In: 146664.546 $\pm$ 0.104 χ^2/NDF : 23396760.5/3

144066.884 $\pm$ 0.046 χ^2/NDF : 1266427407.1/21

143980.715 $\pm$ 0.032 χ^2/NDF : 276545289

143902.441 $\pm$ 0.044 χ^2/NDF : 1492455145.7/23

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 126.514 $\pm$ 0.037 χ^2/NDF : 1441685.0/16

Left Out: 175.582 $\pm$ 0.069 χ^2/NDF : 93215.6/4

Right Out: 121.625 $\pm$ 0.035 χ^2/NDF : 1465763.8/19

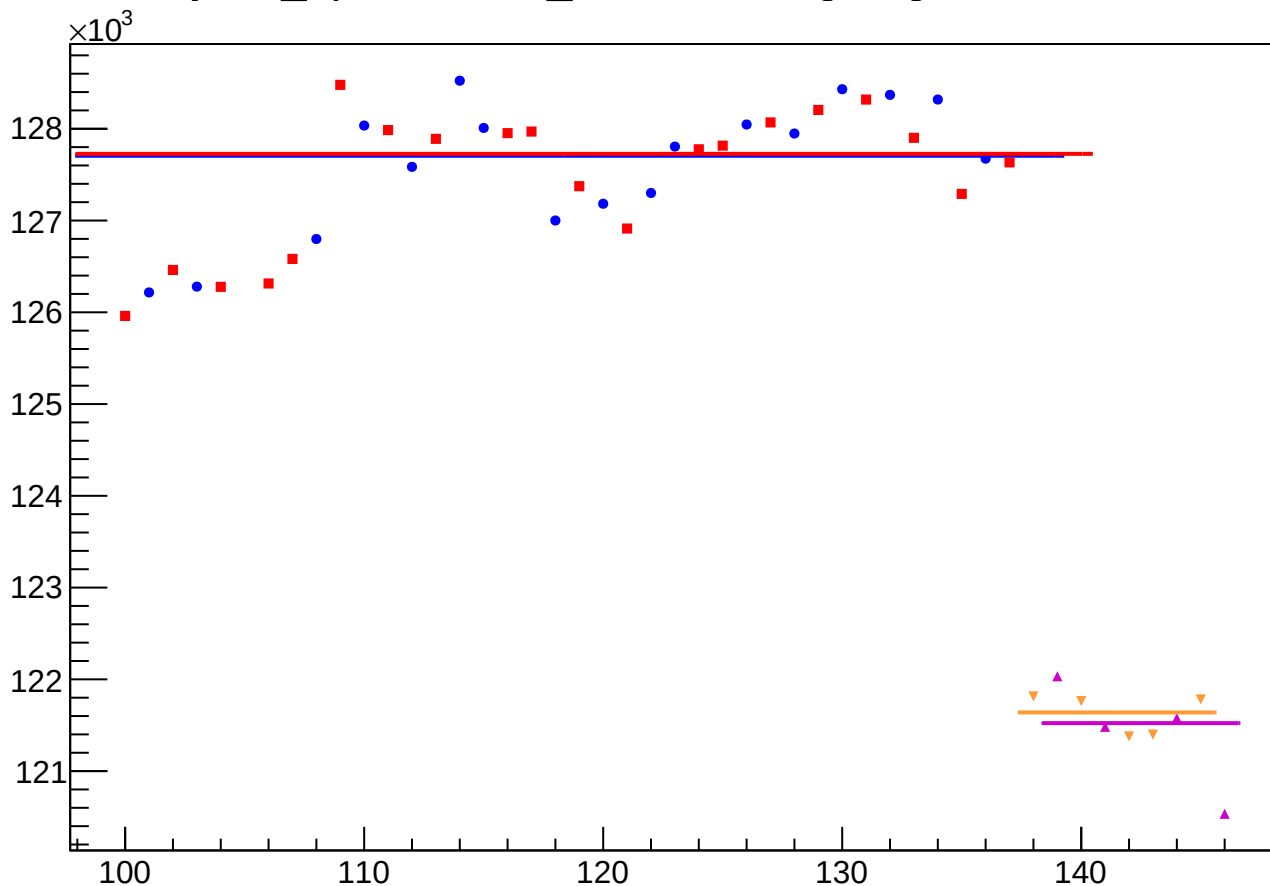
Left In: 183.167 $\pm$ 0.074 χ^2/NDF : 130976.1/3

137.513 $\pm$ 0.033 χ^2/NDF : 1923216.2/21

134.987 $\pm$ 0.023 χ^2/NDF : 4101548.2/45

132.693 $\pm$ 0.031 χ^2/NDF : 2167039.7/23

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127706.194 $\pm$ 0.058 χ^2 /NDF: 97860521.1/16

Left Out: 121639.274 $\pm$ 0.083 χ^2 /NDF: 5372688.8/4

Right Out: 127726.708 $\pm$ 0.054 χ^2 /NDF: 112816704.3/19

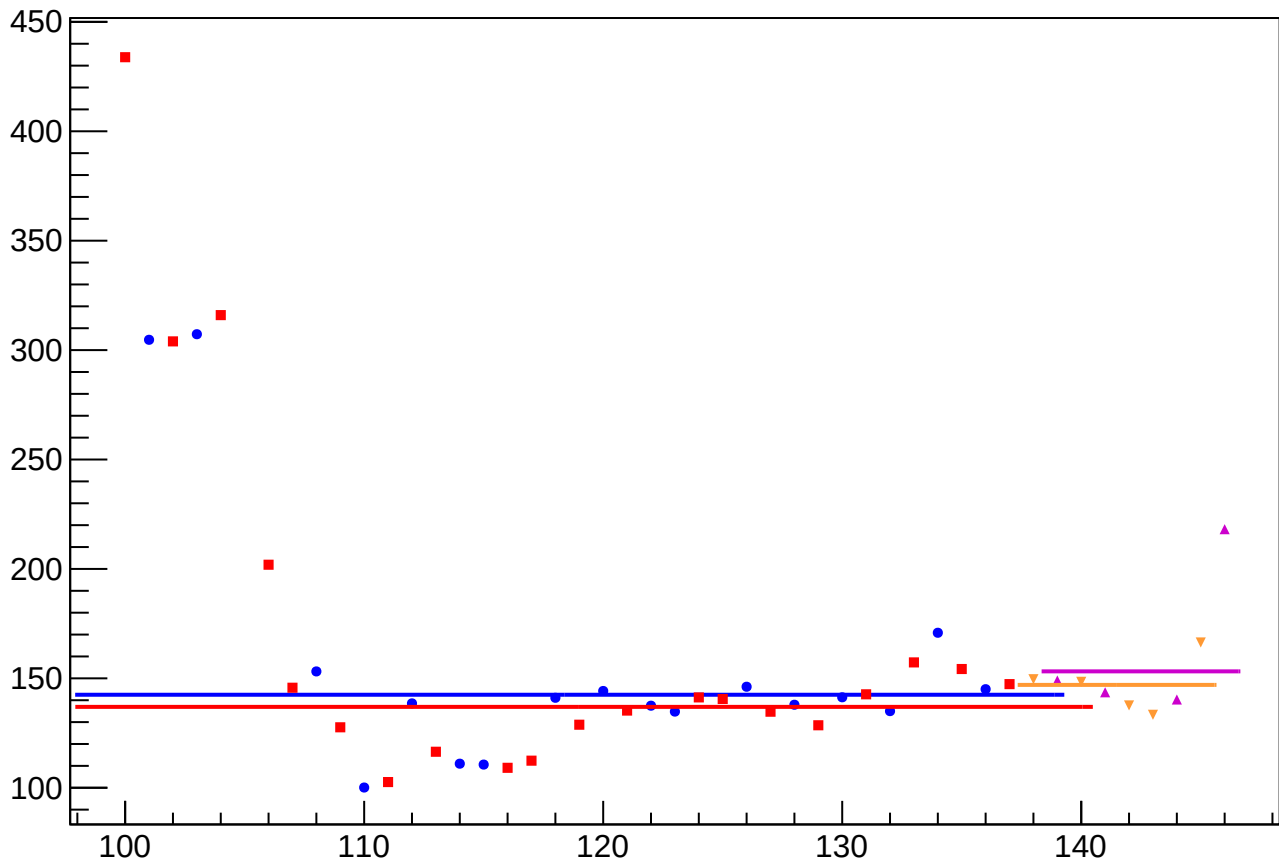
Left In: 121522.943 $\pm$ 0.088 χ^2 /NDF: 23953373.2/3

125704.052 $\pm$ 0.048 χ^2 /NDF: 3706696240.7/21

125864.387 $\pm$ 0.033 χ^2 /NDF: 747174694

126015.720 $\pm$ 0.046 χ^2 /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: 147.003+/-0.058 χ^2/NDF : 36498.0/4

Right Out: 136.963+/-0.038 χ^2/NDF : 961465.0/19

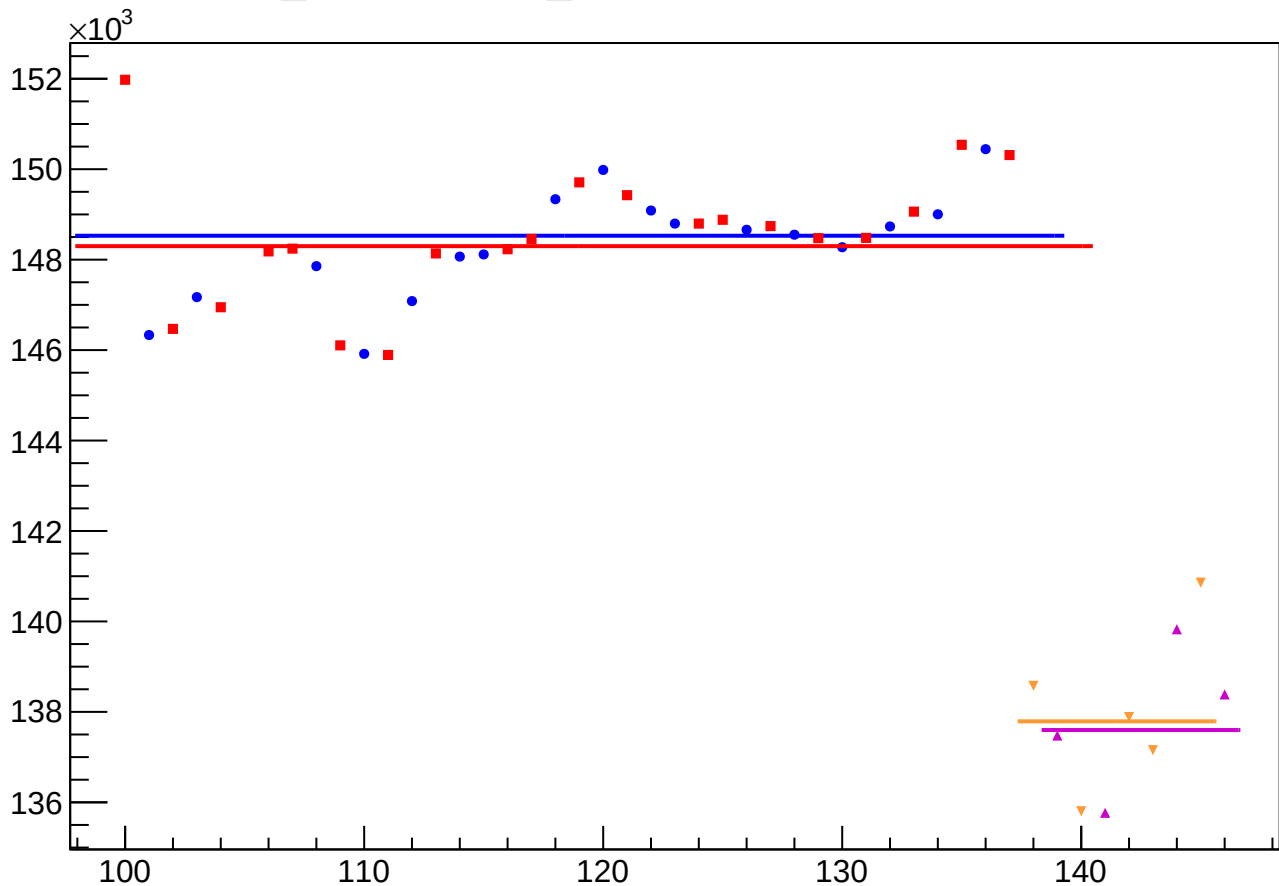
Left In: 153.188+/-0.062 χ^2/NDF : 159957.6/3

143.987+/-0.034 χ^2/NDF : 876729.5/21

142.676+/-0.023 χ^2/NDF : 2050443.8/45

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: 137790.925 $\pm$ 0.126 χ^2/NDF : 178224756.9/4

Right Out: 148298.586 $\pm$ 0.076 χ^2/NDF : 293284830.9/19

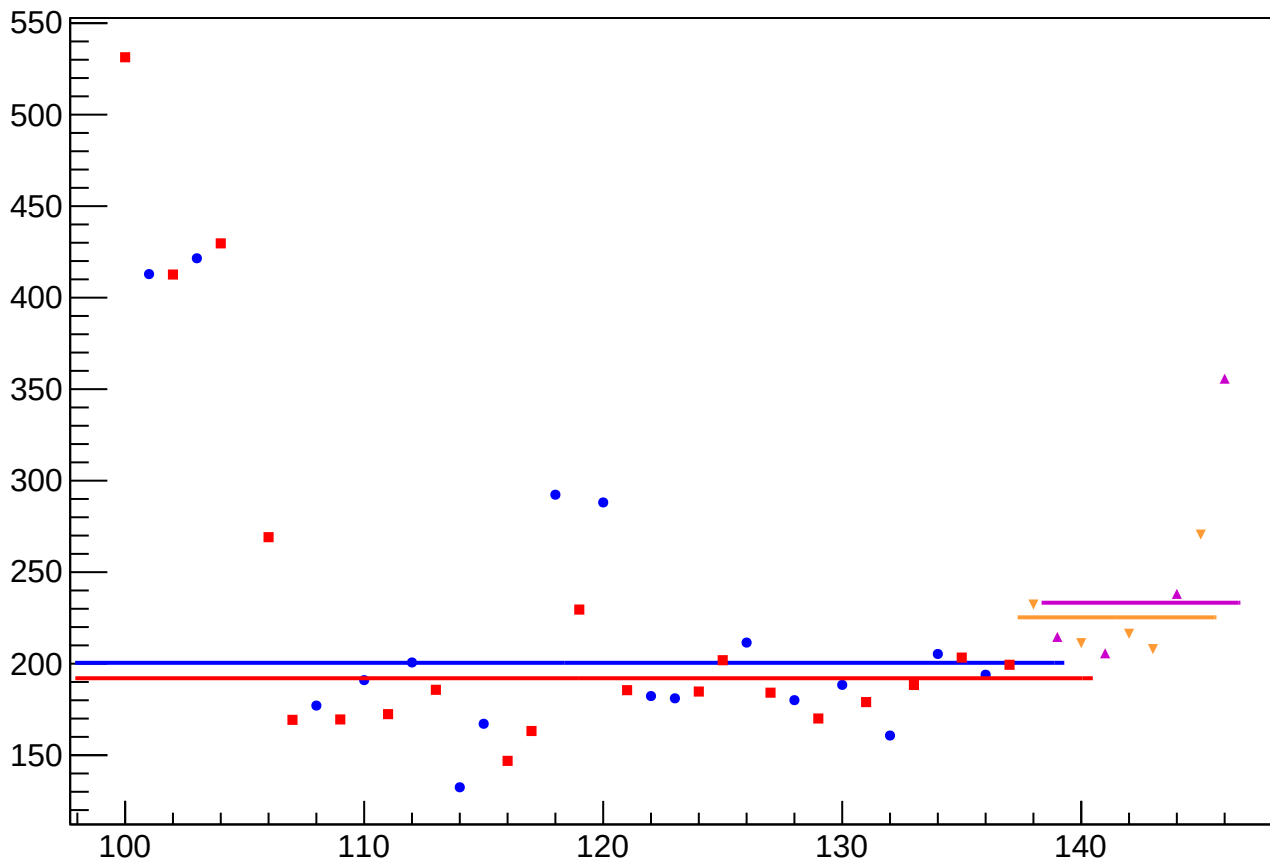
Left In: 137598.568 $\pm$ 0.134 χ^2/NDF : 144311955.3/3

145331.123 $\pm$ 0.069 χ^2/NDF : 5486039913.2/21

145522.546 $\pm$ 0.048 χ^2/NDF : 107446910

145699.833 $\pm$ 0.066 χ^2/NDF : 5243728721.7/23

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 200.472 +/- 0.058 χ^2/NDF : 936547.2/16

Left Out: 225.318 +/- 0.089 χ^2/NDF : 59778.6/4

Right Out: 192.040 +/- 0.054 χ^2/NDF : 847133.0/19

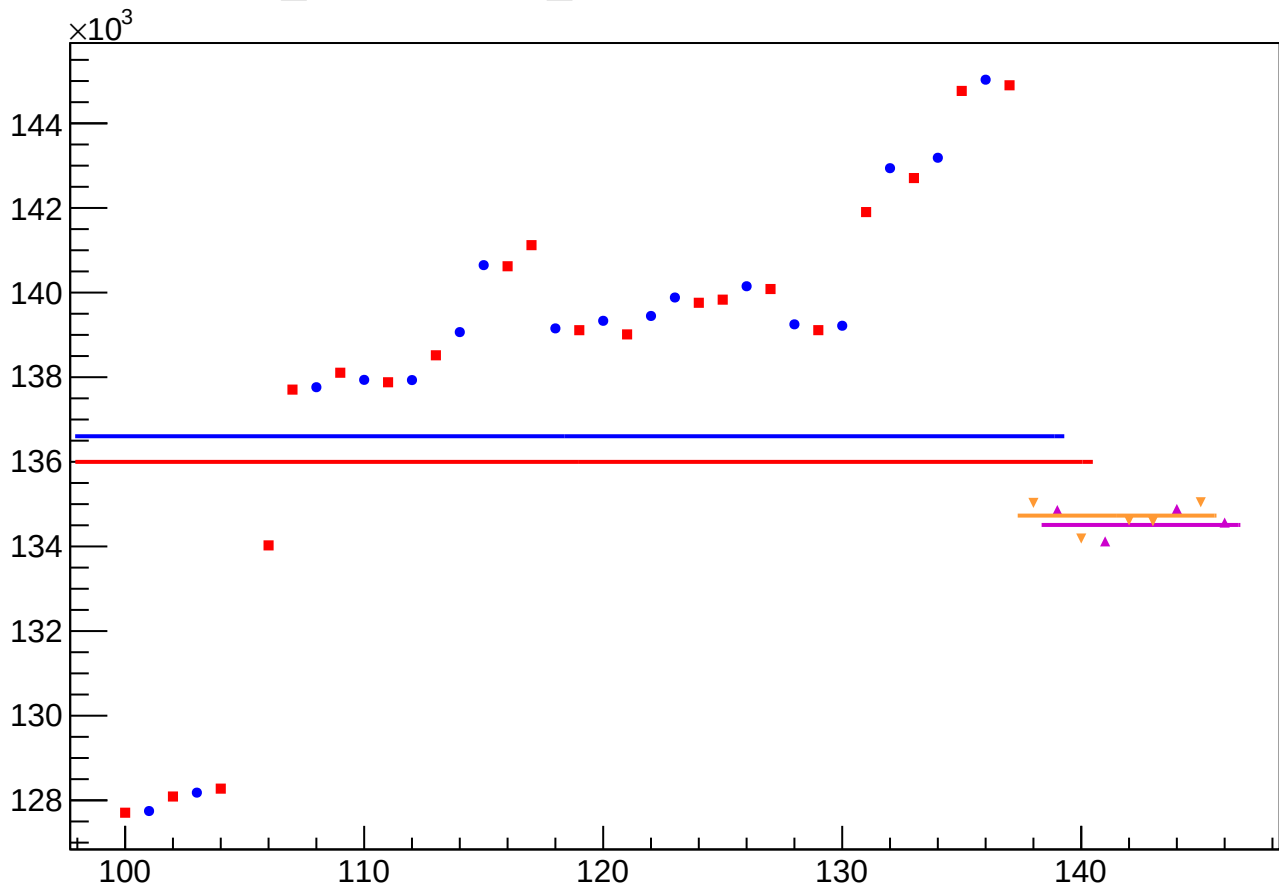
Left In: 233.308 +/- 0.095 χ^2/NDF : 224371.2/3

207.871 +/- 0.049 χ^2/NDF : 1050909.7/21

204.856 +/- 0.034 χ^2/NDF : 2272798.6/45

202.063 +/- 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: 134729.006 $\pm$ 0.284 χ^2 /NDF: 1383565.5/4

Right Out: 135998.851 $\pm$ 0.182 χ^2 /NDF: 1084895879.4/19

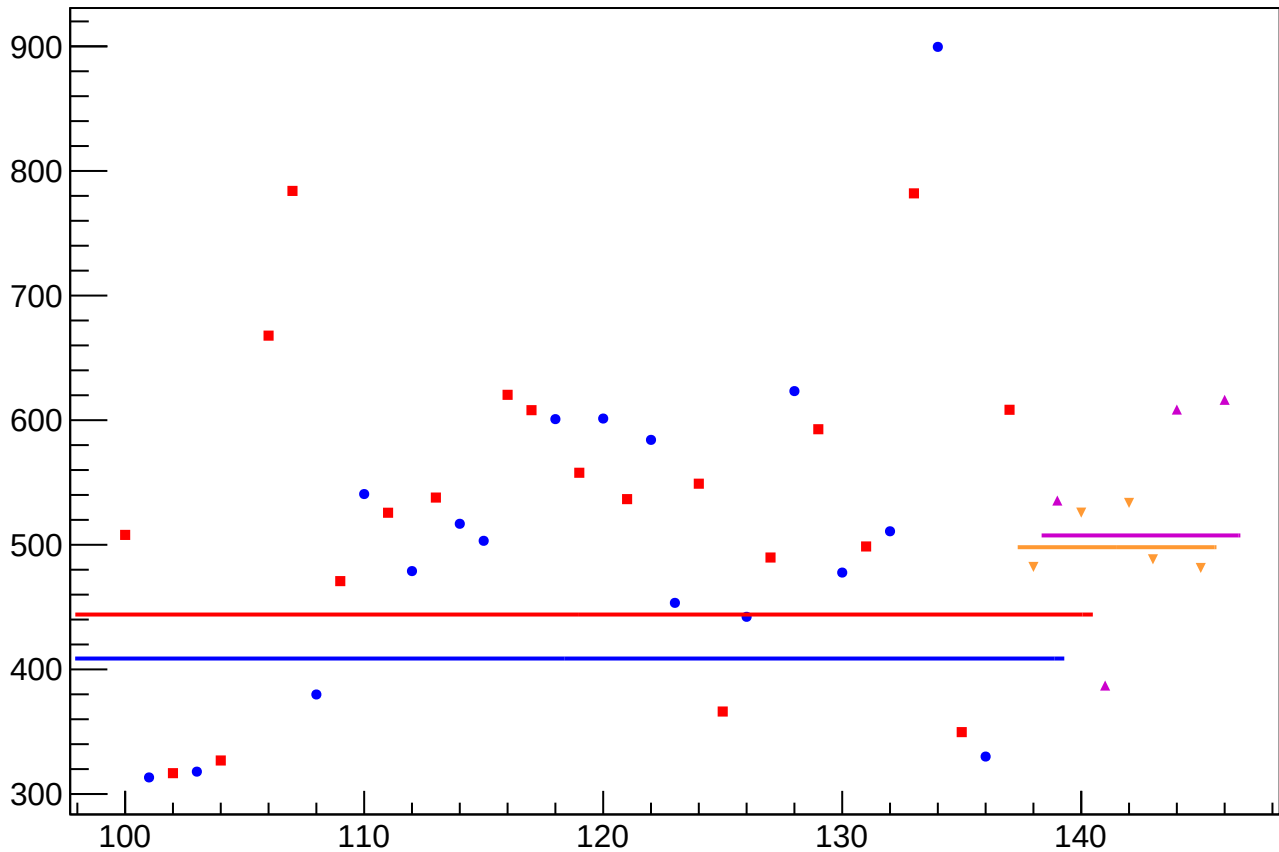
Left In: 134508.193 $\pm$ 0.317 χ^2 /NDF: 1143207.5/3

136102.902 $\pm$ 0.147 χ^2 /NDF: 1527756480.8/21

135882.926 $\pm$ 0.108 χ^2 /NDF: 263528376

135627.645 $\pm$ 0.158 χ^2 /NDF: 1102671302.5/23

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 408.729 +/- 0.121 χ^2/NDF : 823262.8/16

Left Out: 498.064 +/- 0.201 χ^2/NDF : 11210.9/4

Right Out: 444.034 +/- 0.129 χ^2/NDF : 922545.8/19

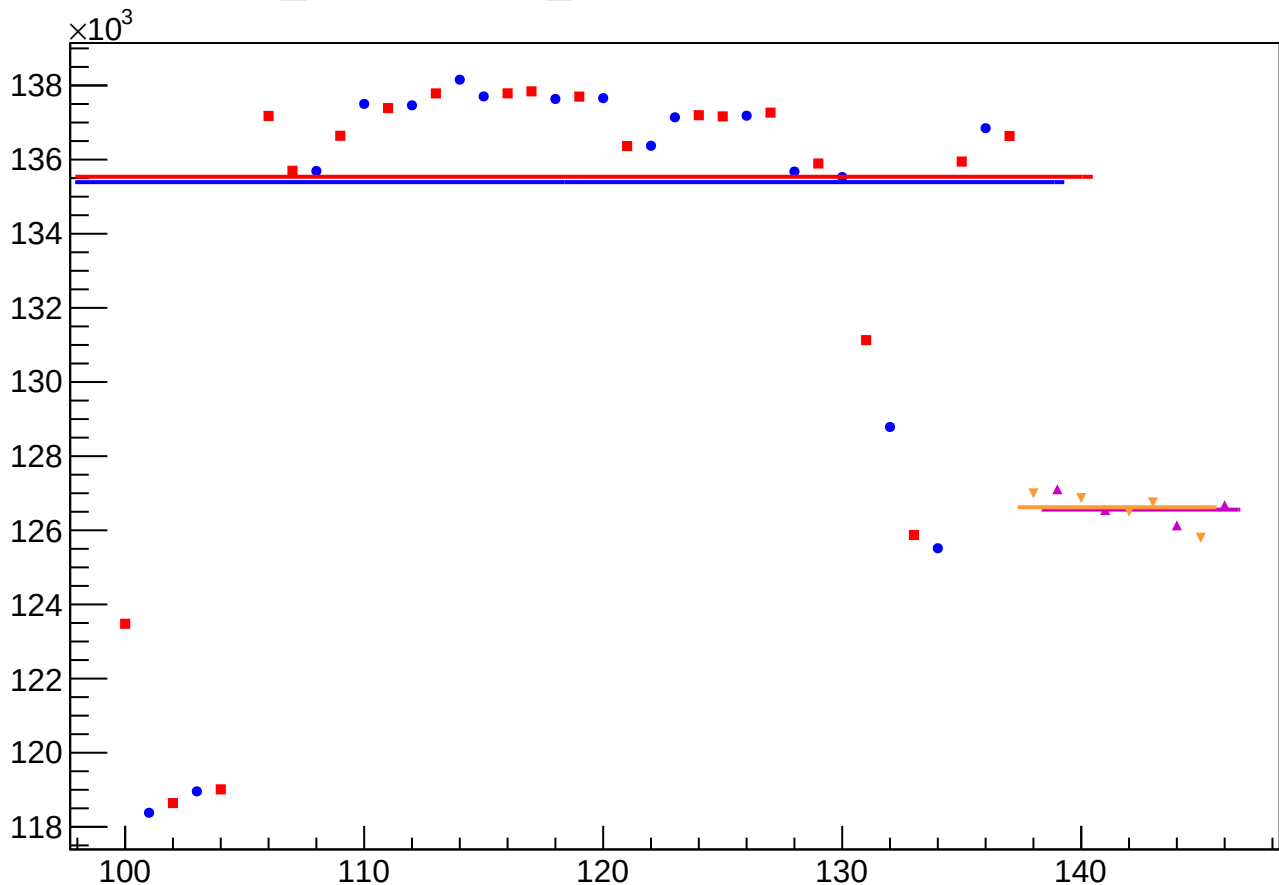
Left In: 507.507 +/- 0.224 χ^2/NDF : 210525.5/3

432.626 +/- 0.104 χ^2/NDF : 979743.6/21

445.222 +/- 0.076 χ^2/NDF : 2204970.9/45

459.840 +/- 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: 126621.378 $\pm$ 0.091 χ^2 /NDF: 21387837.1/4

Right Out: 135537.290 $\pm$ 0.064 χ^2 /NDF: 4748951957.4/19

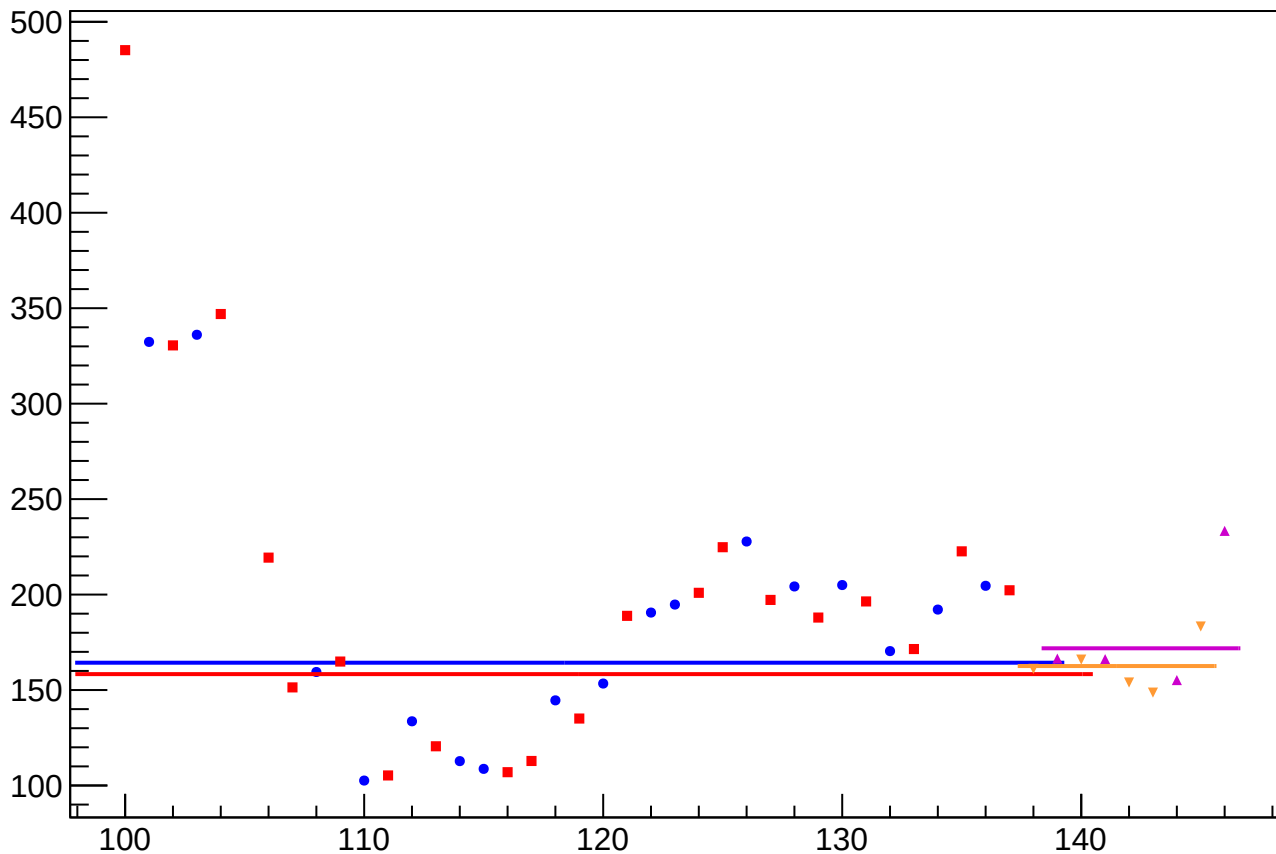
Left In: 126557.628 $\pm$ 0.098 χ^2 /NDF: 13856924.8/3

132225.740 $\pm$ 0.055 χ^2 /NDF: 10559335314.4/2

132547.136 $\pm$ 0.038 χ^2 /NDF: 212775583

132856.684 $\pm$ 0.054 χ^2 /NDF: 10650126020.1/2

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 164.311+/-0.048 χ^2/NDF : 1230487.8/16

Left Out: 162.564+/-0.064 χ^2/NDF : 32797.8/4

Right Out: 158.336+/-0.045 χ^2/NDF : 1398323.7/19

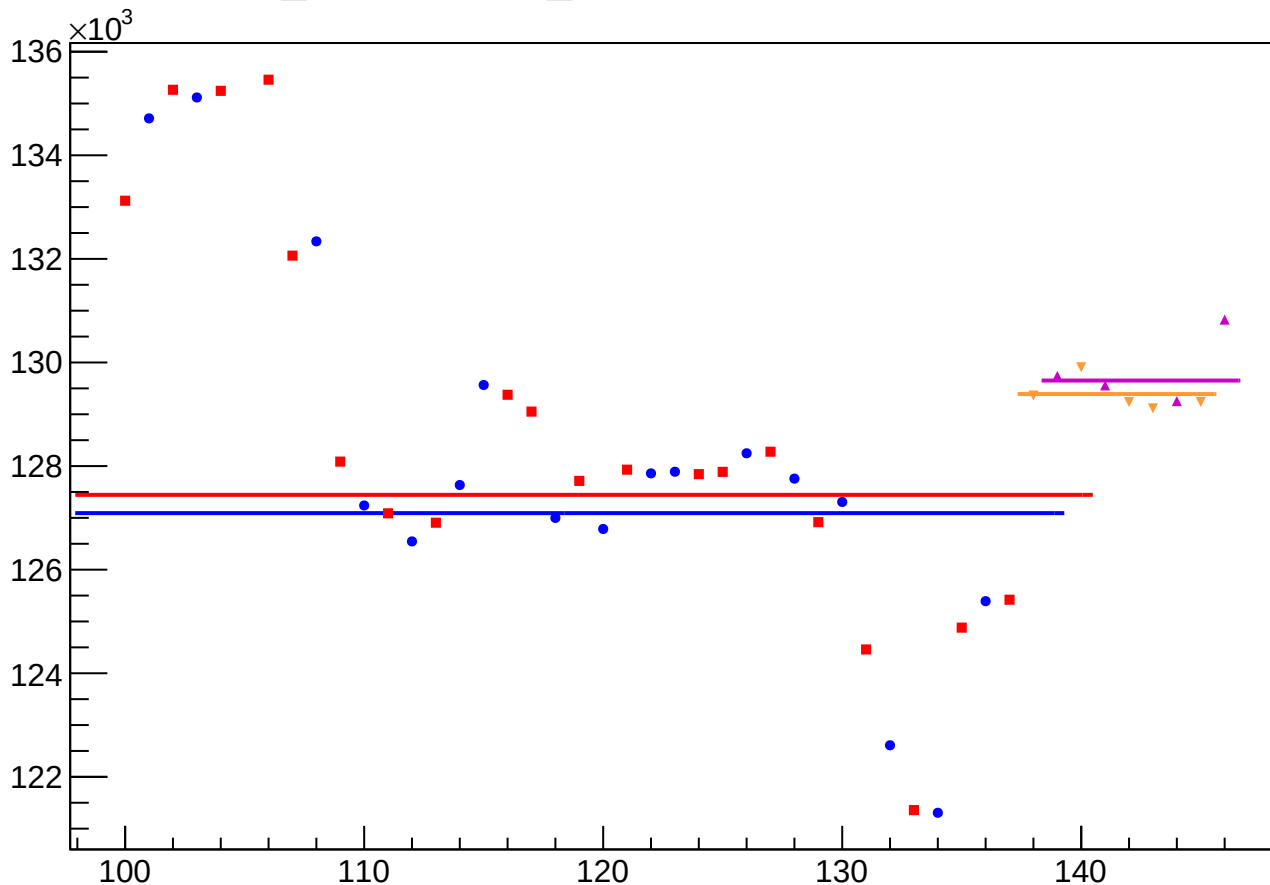
Left In: 171.859+/-0.069 χ^2/NDF : 131749.6/3

163.680+/-0.039 χ^2/NDF : 1263758.7/21

163.015+/-0.027 χ^2/NDF : 2821119.4/45

162.373+/-0.038 χ^2/NDF : 1556776.2/23

yield_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 127091.500+/-0.066 χ^2/NDF : 1717208780.6/16

Left Out: 129390.421+/-0.089 χ^2/NDF : 10718029.8/4

Right Out: 127444.472+/-0.061 χ^2/NDF : 2082646787.7/19

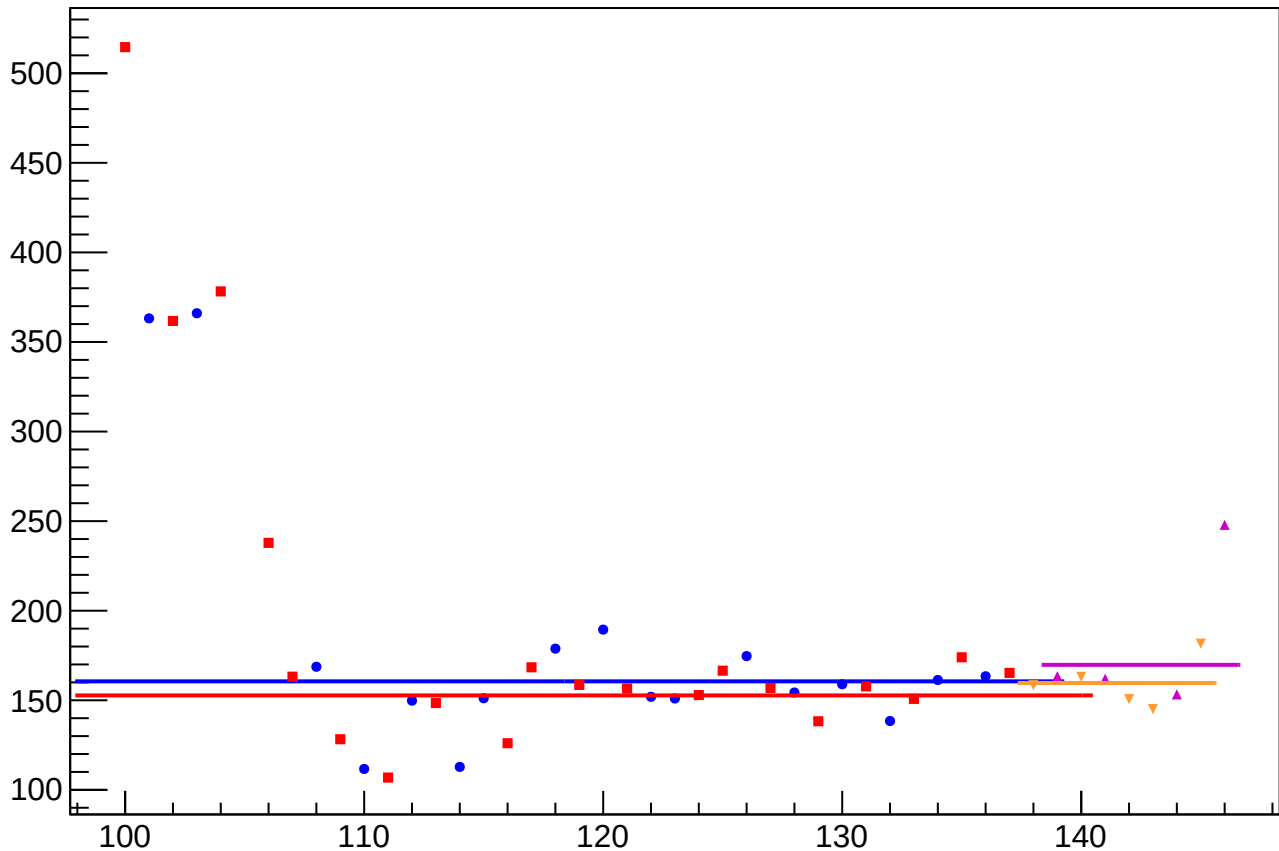
Left In: 129651.492+/-0.097 χ^2/NDF : 23763154.9/3

127907.203+/-0.053 χ^2/NDF : 2154489918.7/21

127992.239+/-0.037 χ^2/NDF : 463402567

128073.037+/-0.052 χ^2/NDF : 2474563917.8/23

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 160.564 $\pm$ 0.047 χ^2 /NDF: 942747.0/16

Left Out: 159.650 $\pm$ 0.063 χ^2 /NDF: 37389.7/4

Right Out: 152.711 $\pm$ 0.043 χ^2 /NDF: 1087186.3/19

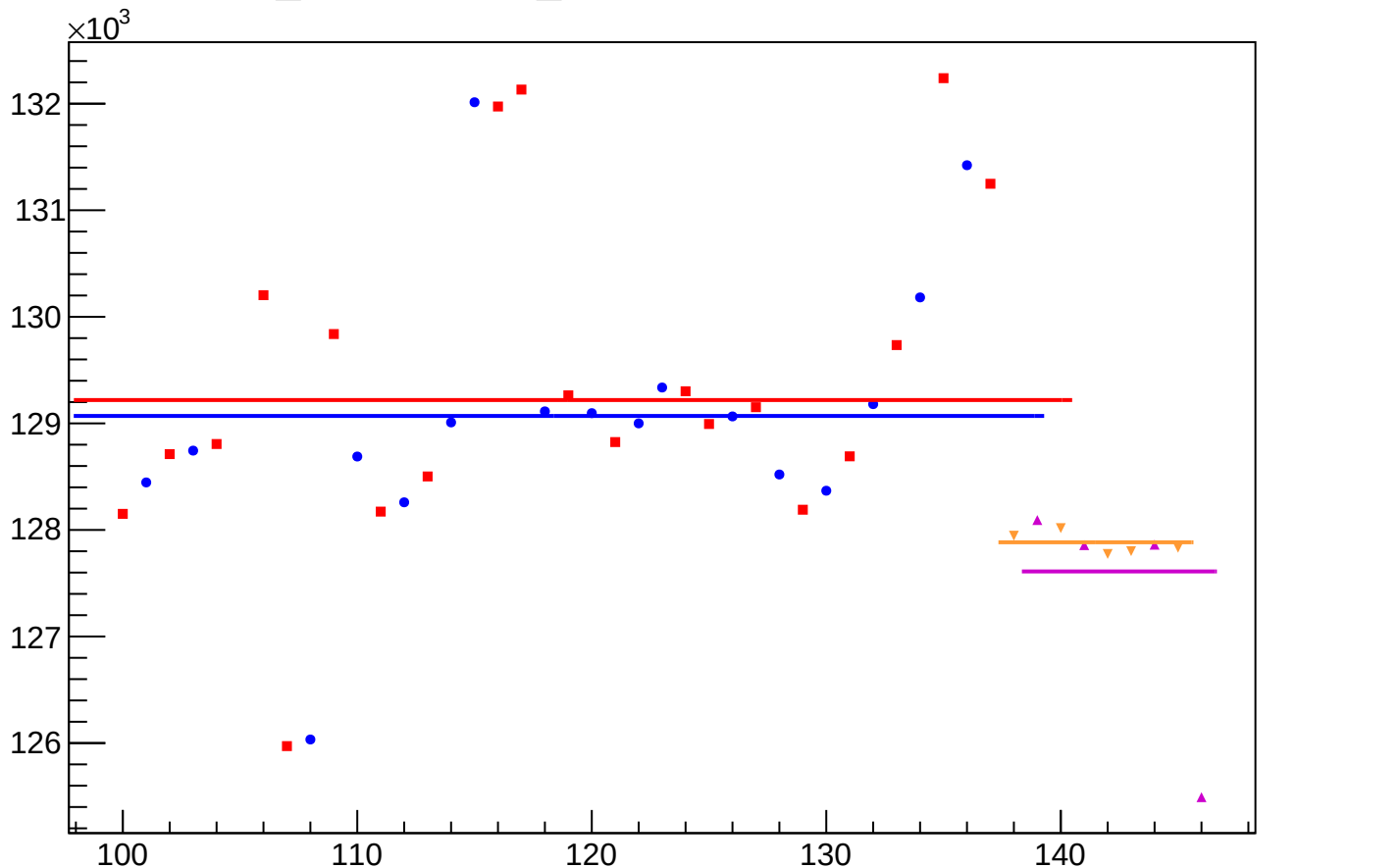
Left In: 169.776 $\pm$ 0.069 χ^2 /NDF: 181024.7/3

160.240 $\pm$ 0.038 χ^2 /NDF: 980271.5/21

158.871 $\pm$ 0.026 χ^2 /NDF: 2295083.7/45

157.571 $\pm$ 0.037 χ^2 /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: 127884.174 $\pm$ 0.086 χ^2 /NDF: 1153175.5/4

Right Out: 129219.072 $\pm$ 0.056 χ^2 /NDF: 660468184.1/19

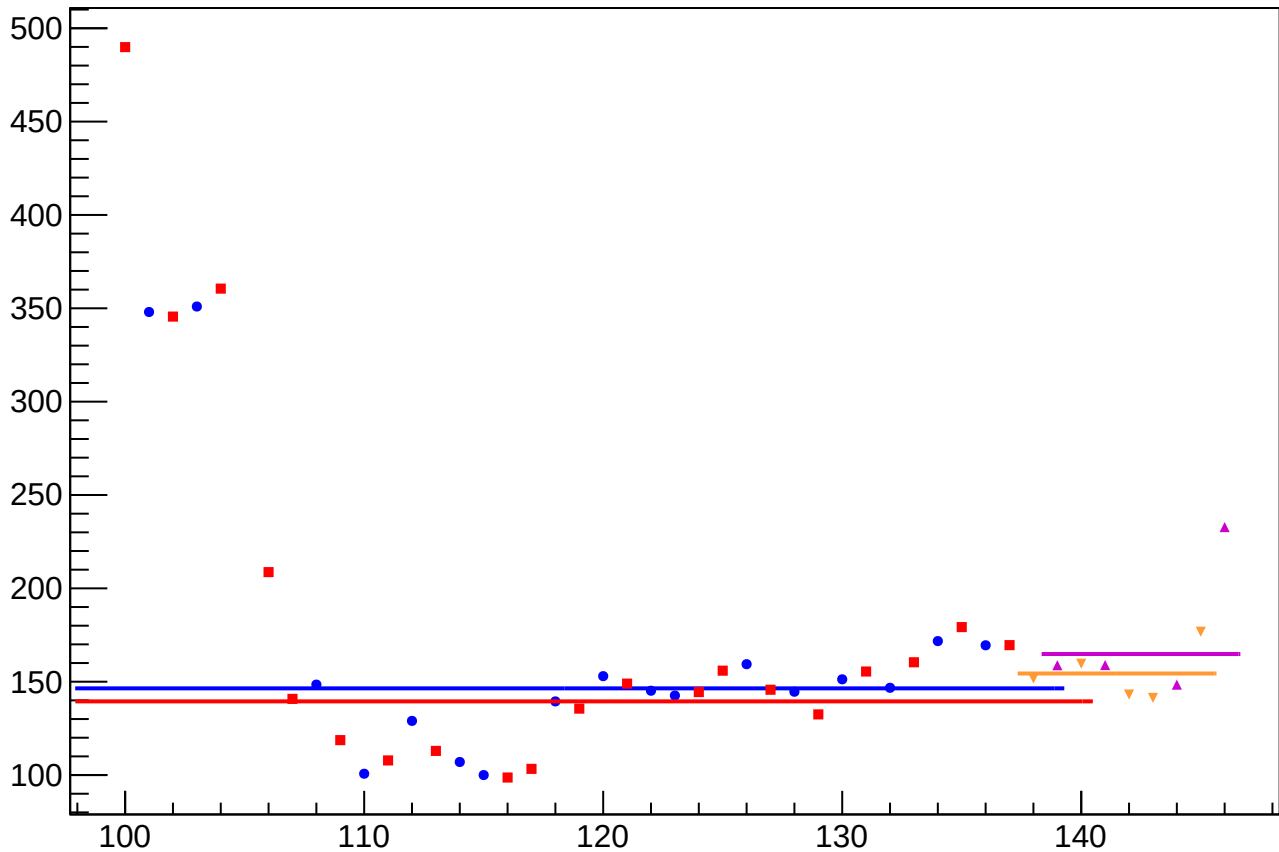
Left In: 127610.588 $\pm$ 0.094 χ^2 /NDF: 75733305.0/3

128681.903 $\pm$ 0.049 χ^2 /NDF: 604817365.6/21

128743.505 $\pm$ 0.034 χ^2 /NDF: 156016131

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: 154.394+/-0.061 χ^2/NDF : 41186.0/4

Right Out: 139.468+/-0.039 χ^2/NDF : 1214310.8/19

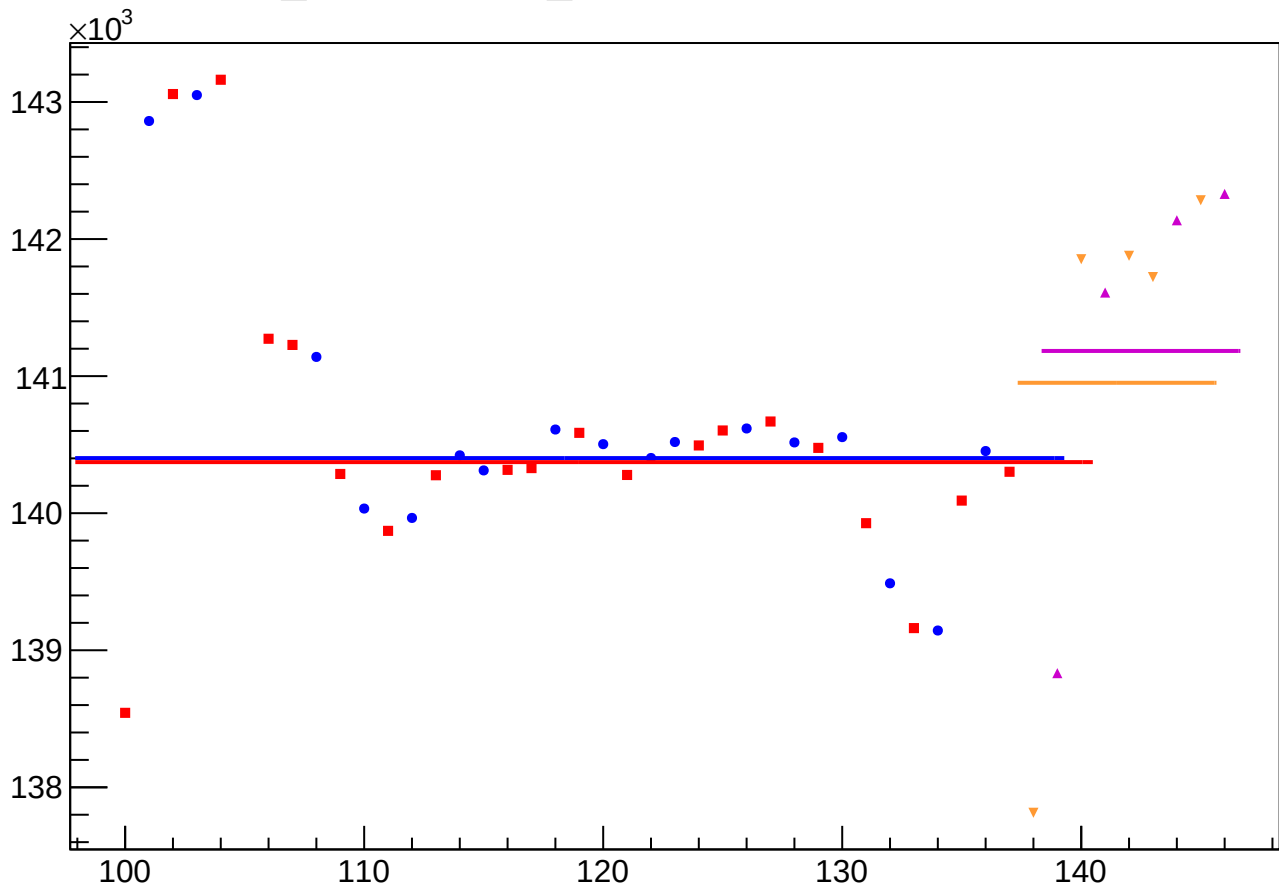
Left In: 164.828+/-0.067 χ^2/NDF : 158971.8/3

149.040+/-0.035 χ^2/NDF : 1117417.4/21

147.501+/-0.024 χ^2/NDF : 2601922.2/45

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: 140951.400 $\pm$ 0.102 χ^2 /NDF: 296660105.7/4

Right Out: 140372.636 $\pm$ 0.059 χ^2 /NDF: 99861038.9/19

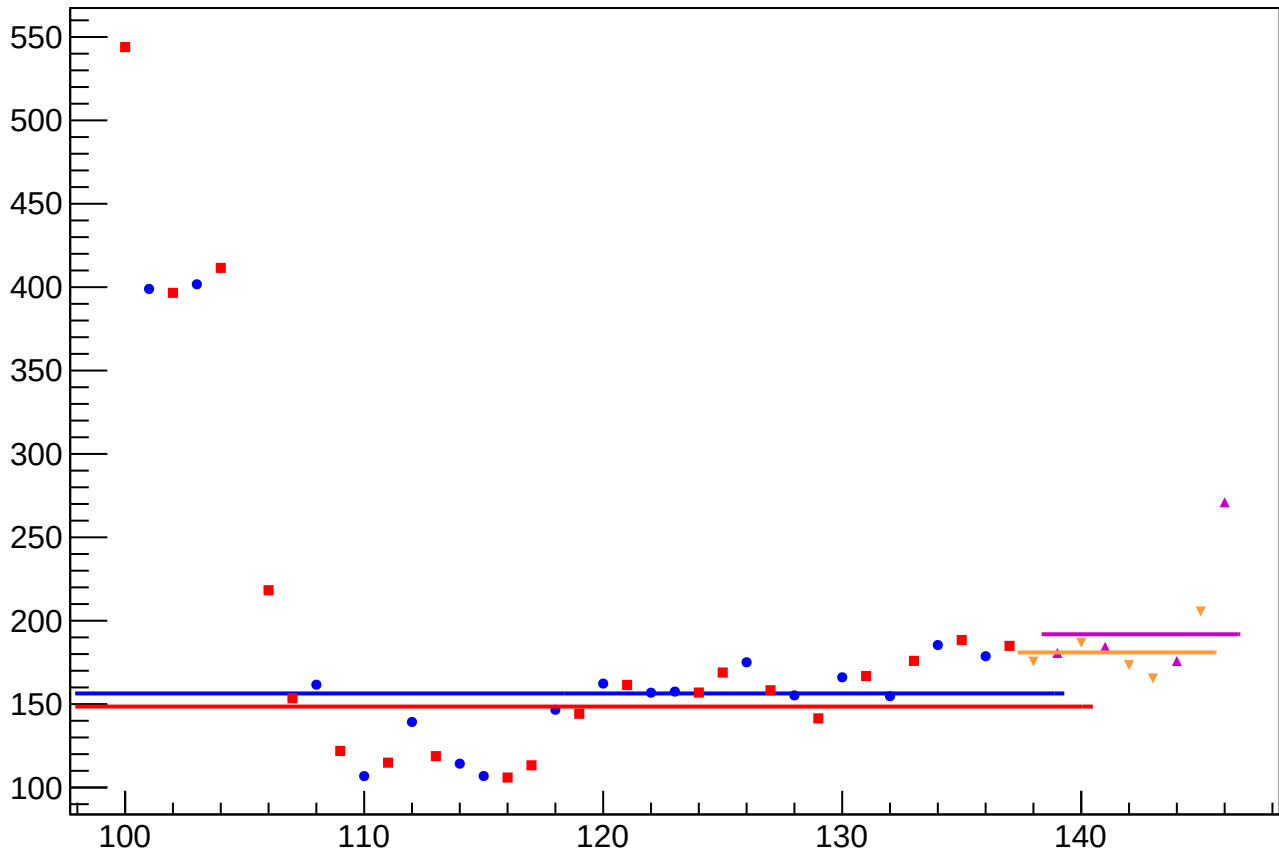
Left In: 141183.666 $\pm$ 0.110 χ^2 /NDF: 156871881.1/3

140558.575 $\pm$ 0.054 χ^2 /NDF: 405505293.5/21

140557.288 $\pm$ 0.038 χ^2 /NDF: 704278305

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: 180.973+/-0.072 χ^2/NDF : 35713.0/4

Right Out: 148.524+/-0.042 χ^2/NDF : 1316113.9/19

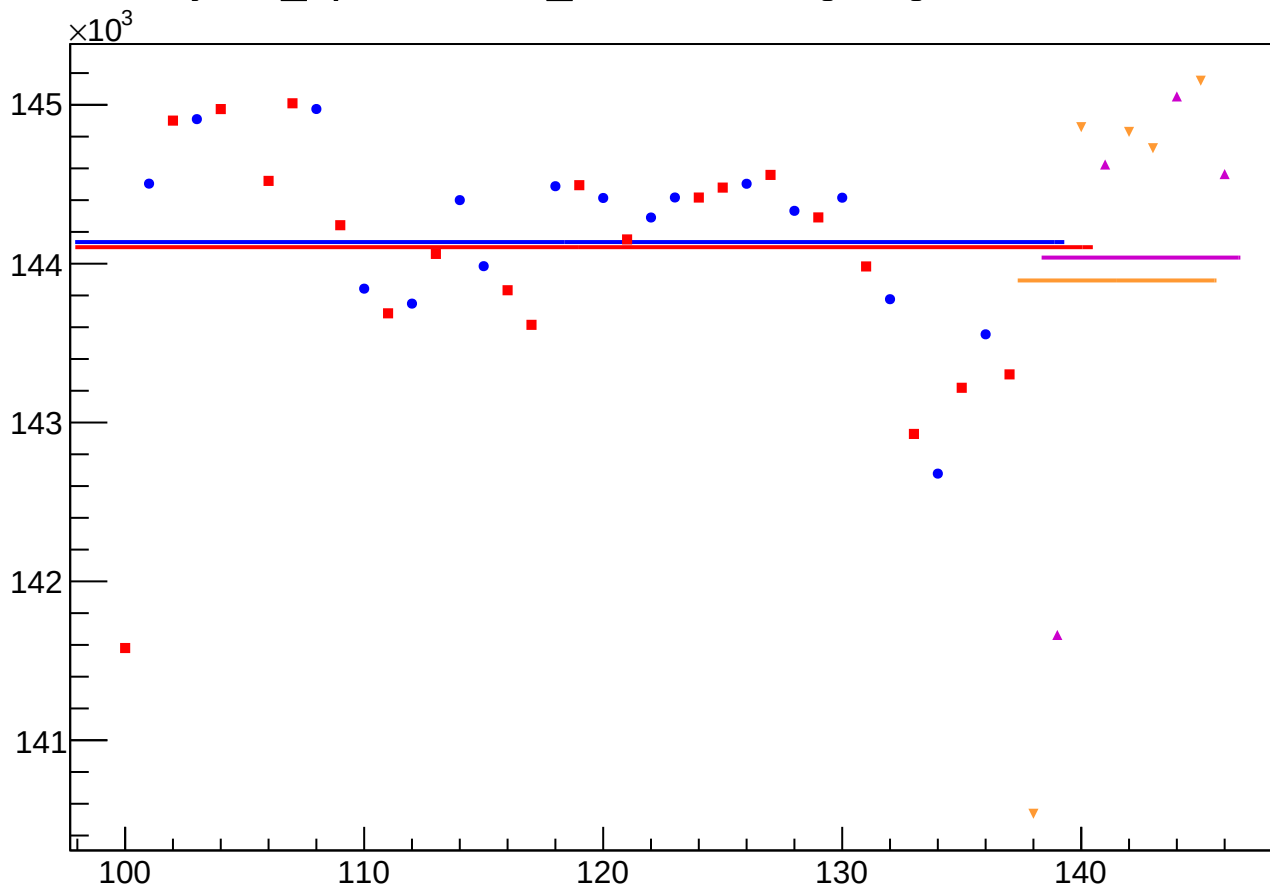
Left In: 191.881+/-0.078 χ^2/NDF : 155860.0/3

163.398+/-0.038 χ^2/NDF : 1273676.3/21

160.766+/-0.027 χ^2/NDF : 2994942.7/45

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: 143894.366 $\pm$ 0.100 χ^2 /NDF: 332707943.8/4

Right Out: 144103.887 $\pm$ 0.062 χ^2 /NDF: 65973087.5/19

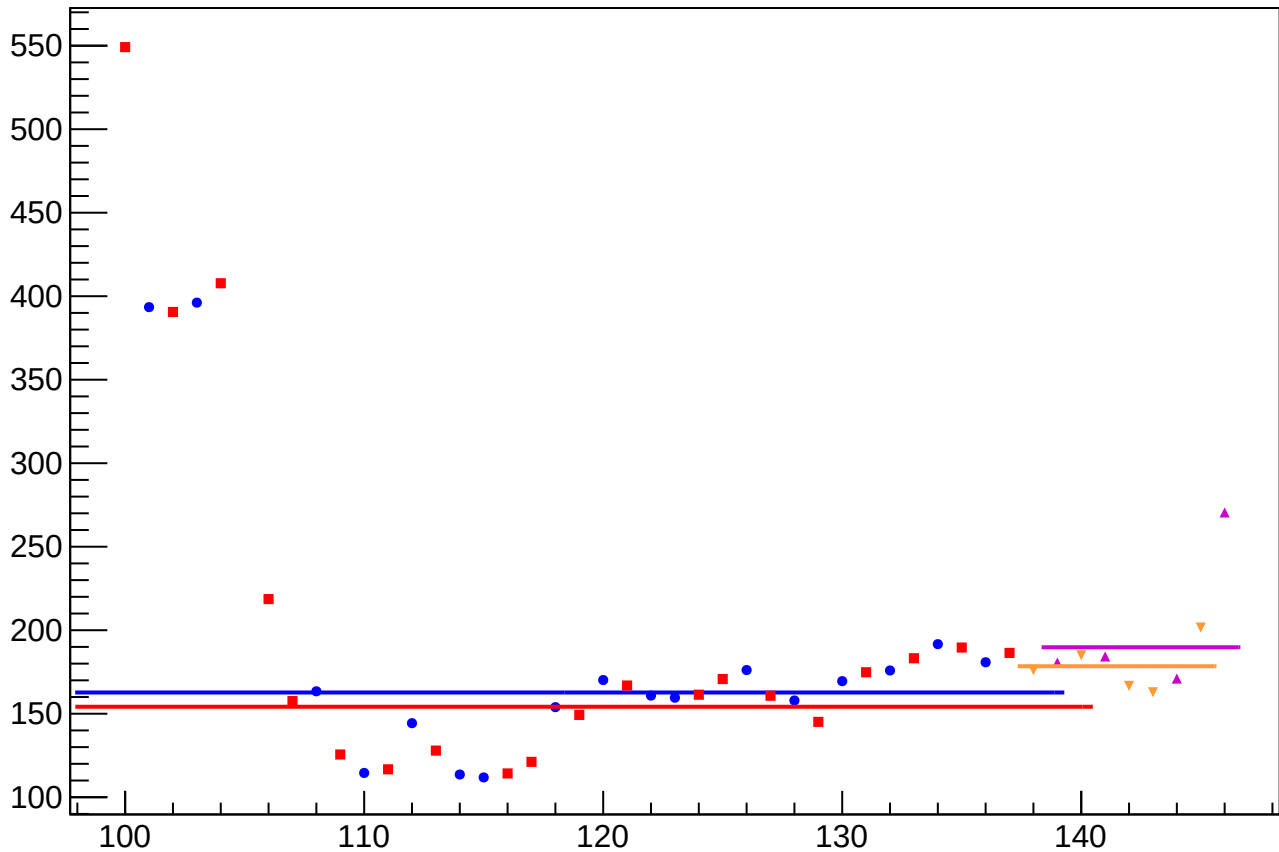
Left In: 144038.402 $\pm$ 0.109 χ^2 /NDF: 157577450.5/3

144061.885 $\pm$ 0.056 χ^2 /NDF: 383802815.5/21

144075.440 $\pm$ 0.039 χ^2 /NDF: 607742494

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: 178.434 +/- 0.071 χ^2/NDF : 36347.3/4

Right Out: 154.174 +/- 0.044 χ^2/NDF : 1224004.2/19

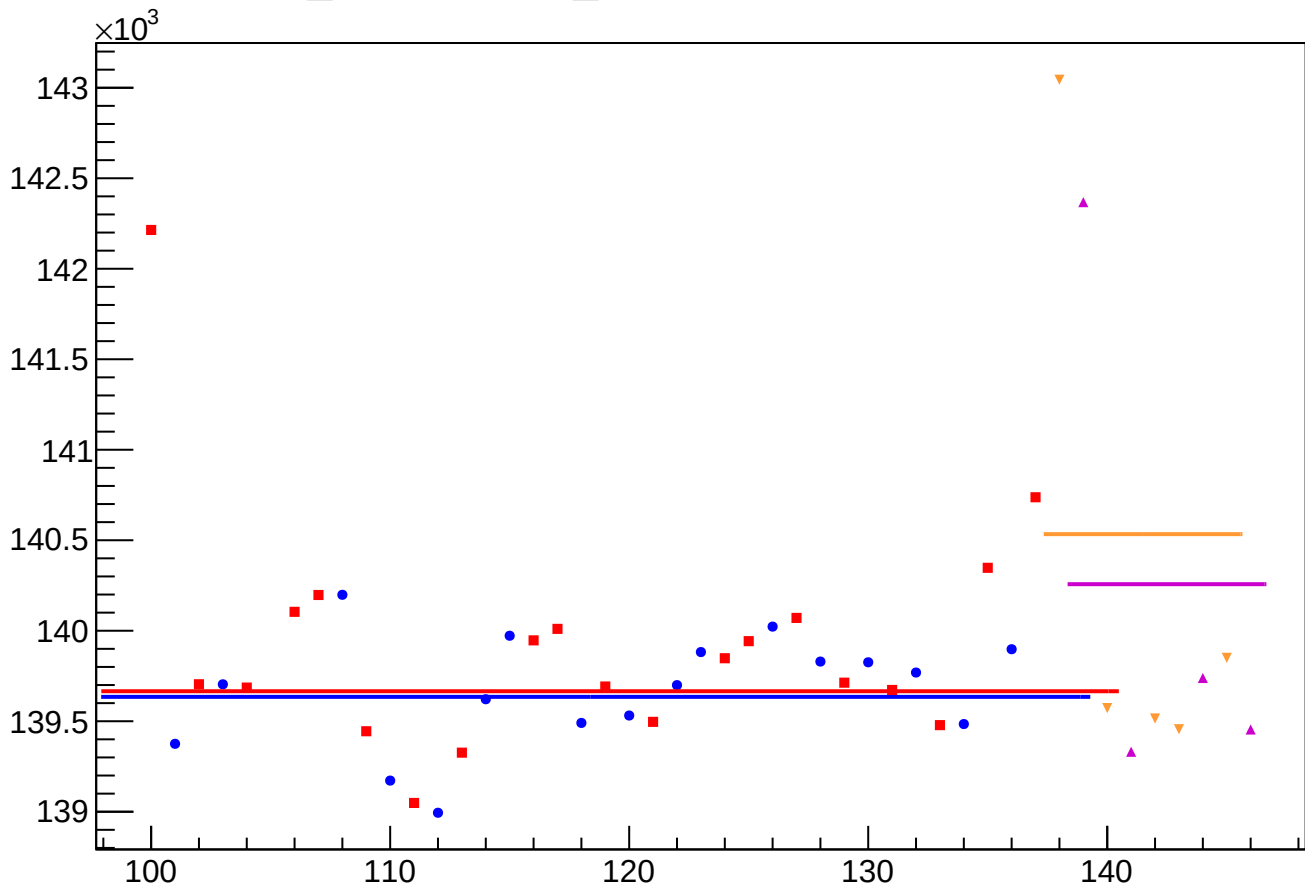
Left In: 189.800 +/- 0.077 χ^2/NDF : 164633.1/3

167.541 +/- 0.039 χ^2/NDF : 1136871.2/21

165.084 +/- 0.027 χ^2/NDF : 2695504.1/45

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: 140533.720 $\pm$ 0.112 χ^2 /NDF: 185493840.9/4

139874.303 $\pm$ 0.058 χ^2 /NDF: 257231482.1/21

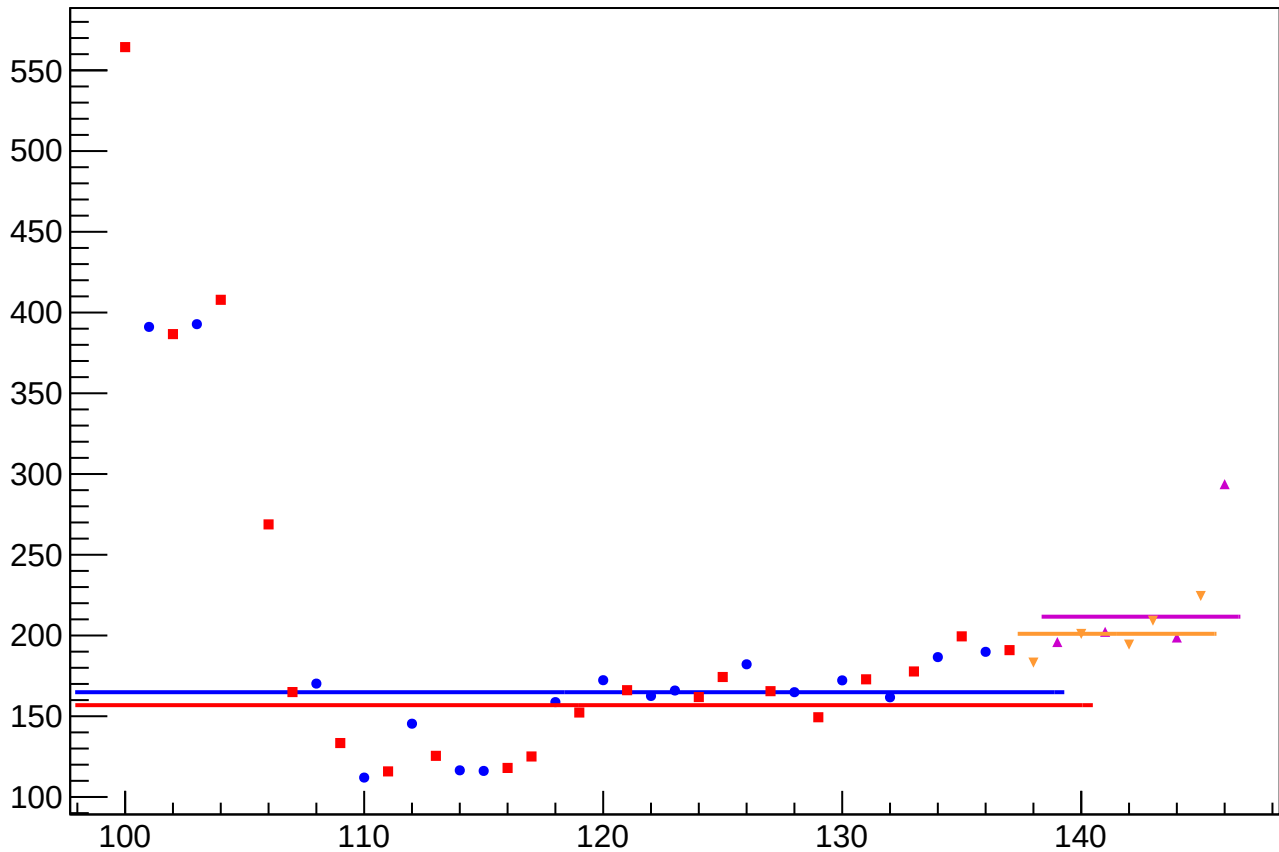
Right Out: 139665.743 $\pm$ 0.063 χ^2 /NDF: 38703726.2/19

139830.757 $\pm$ 0.040 χ^2 /NDF: 422843378

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: 201.053+/-0.080 χ^2/NDF : 32591.3/4

Right Out: 156.859+/-0.044 χ^2/NDF : 1250656.2/19

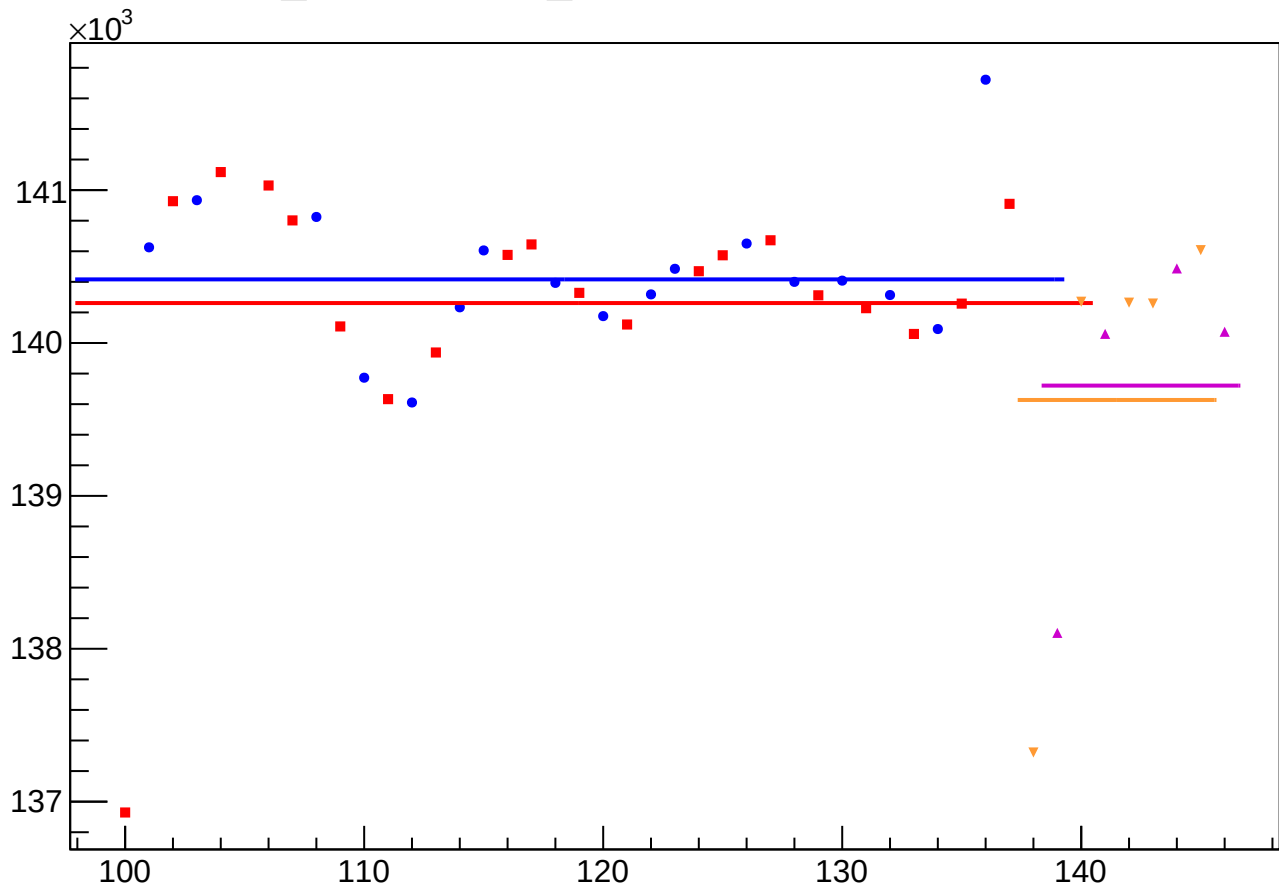
Left In: 211.654+/-0.086 χ^2/NDF : 140724.8/3

174.524+/-0.041 χ^2/NDF : 1250662.3/21

171.353+/-0.028 χ^2/NDF : 2976245.6/45

168.435+/-0.039 χ^2/NDF : 1714121.0/23

yield_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 140416.064 ± 0.068 $\chi^2/\text{NDF}: 69975821.3/16$

Left Out: 139627.335 ± 0.098 $\chi^2/\text{NDF}: 175311831.0/4$

Right Out: 140261.267 ± 0.063 $\chi^2/\text{NDF}: 38479140.4/19$

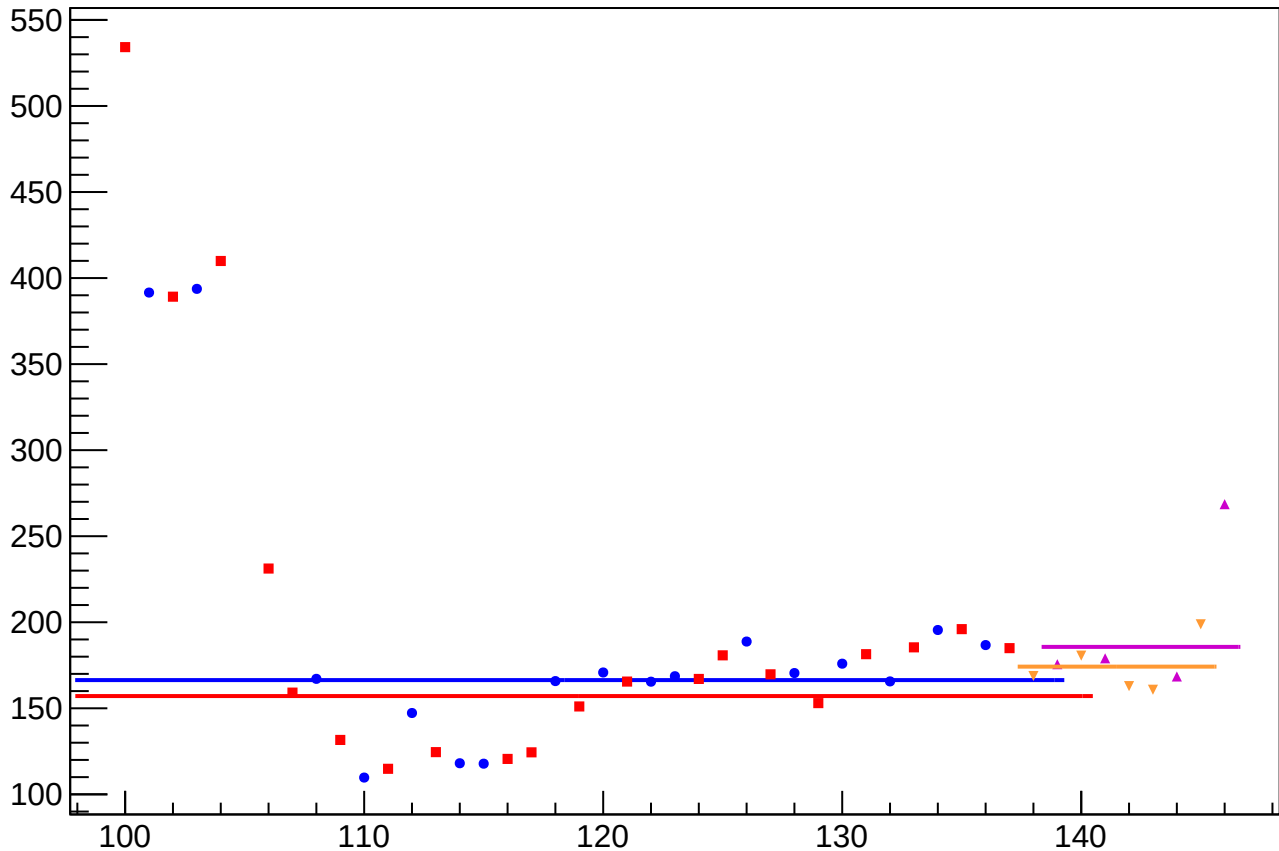
Left In: 139721.347 ± 0.106 $\chi^2/\text{NDF}: 78987758.9/3$

140156.459 ± 0.056 $\chi^2/\text{NDF}: 289060417.1/21$

140138.510 ± 0.039 $\chi^2/\text{NDF}: 425824926$

140121.782 ± 0.054 $\chi^2/\text{NDF}: 136566151.4/23$

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 166.388+/-0.048 χ^2/NDF : 1080964.8/16

Left Out: 174.209+/-0.069 χ^2/NDF : 38303.6/4

Right Out: 157.110+/-0.044 χ^2/NDF : 1235934.7/19

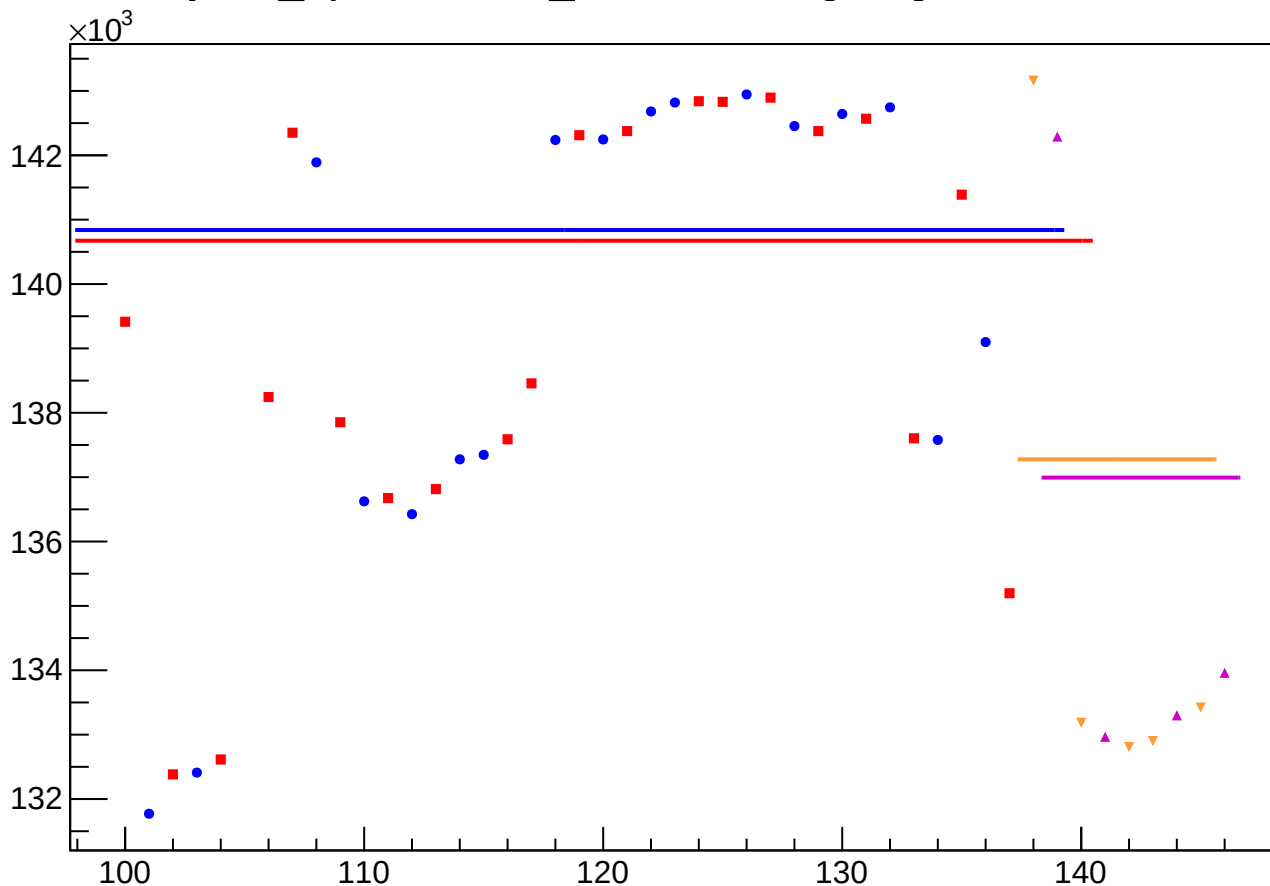
Left In: 185.685+/-0.075 χ^2/NDF : 174072.8/3

168.962+/-0.040 χ^2/NDF : 1127878.3/21

166.649+/-0.028 χ^2/NDF : 2651467.0/45

164.493+/-0.038 χ^2/NDF : 1516998.3/23

yield_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 140839.133+/-0.100 χ^2/NDF : 822682996.3/16

Left Out: 137277.120+/-0.156 χ^2/NDF : 1008758084.6/4

Right Out: 140672.898+/-0.099 χ^2/NDF : 841965357.5/19

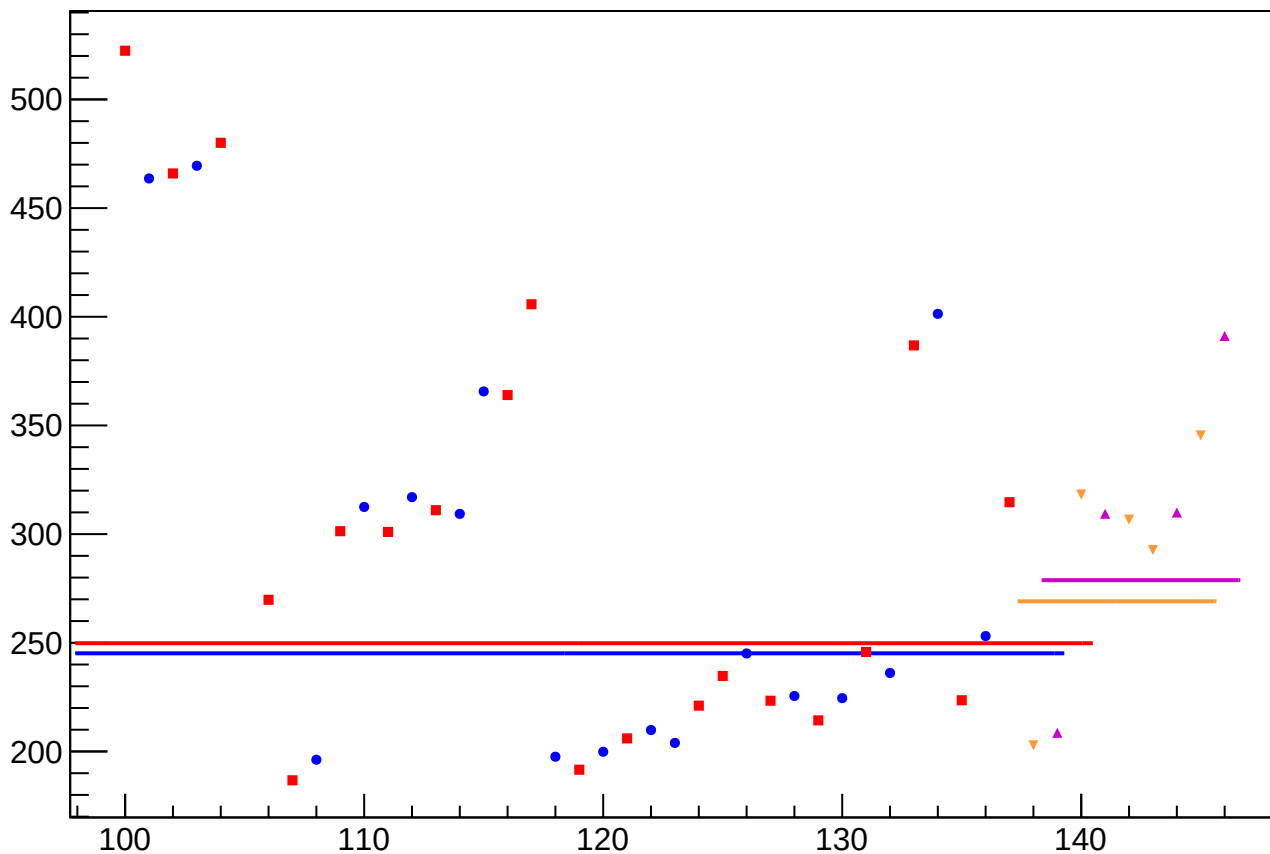
Left In: 136993.120+/-0.165 χ^2/NDF : 721174505.2/3

139803.014+/-0.084 χ^2/NDF : 2200421558.2/21

139750.167+/-0.060 χ^2/NDF : 413110982

139696.544+/-0.085 χ^2/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: 269.089 +/- 0.110 χ^2/NDF : 274186.1/4

Right Out: 249.792 +/- 0.070 χ^2/NDF : 1022316.0/19

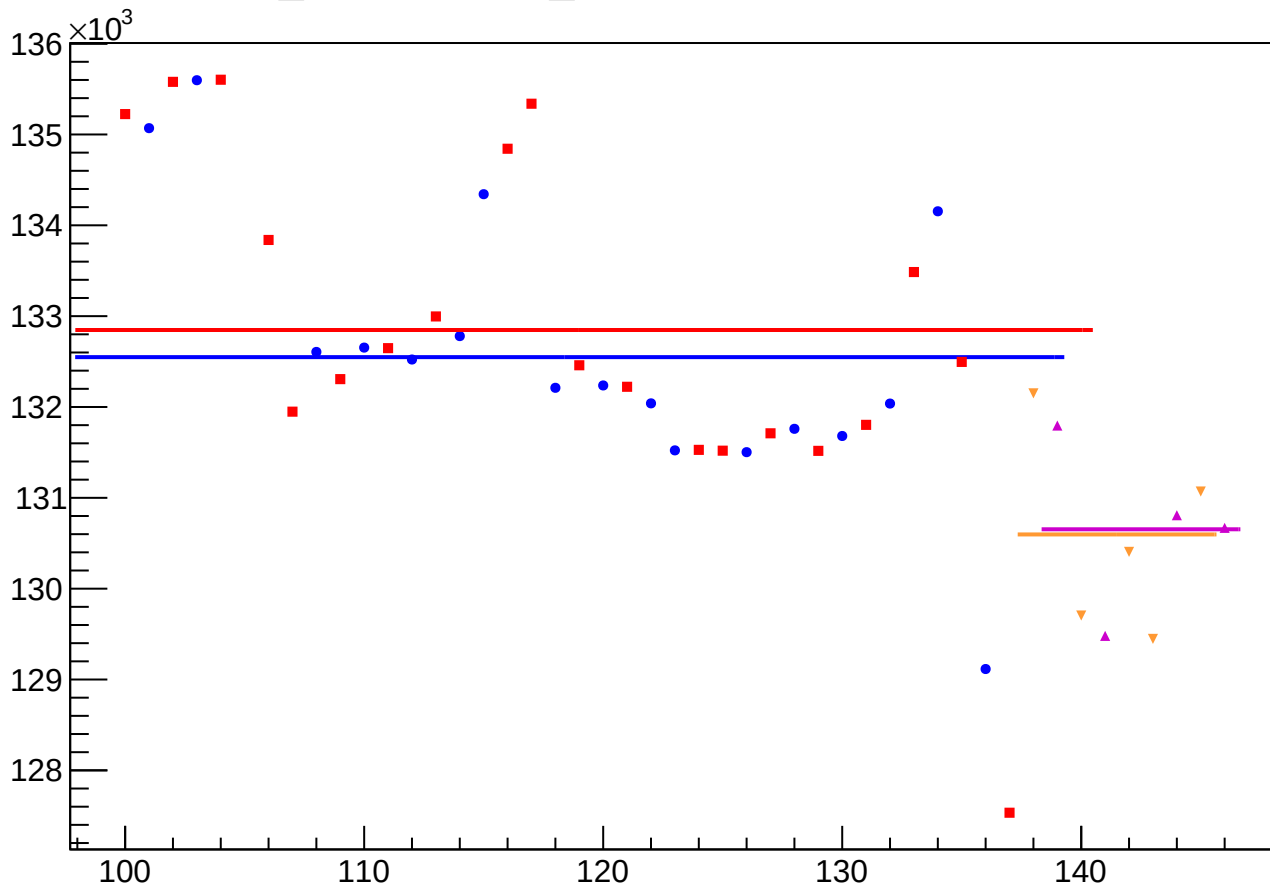
Left In: 278.807 +/- 0.116 χ^2/NDF : 301851.5/3

252.120 +/- 0.060 χ^2/NDF : 1176984.5/21

254.786 +/- 0.042 χ^2/NDF : 2550792.2/45

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: 130597.008 $\pm$ 0.105 χ^2 /NDF: 97072892.0/4

Right Out: 132847.502 $\pm$ 0.107 χ^2 /NDF: 151618589.4/19

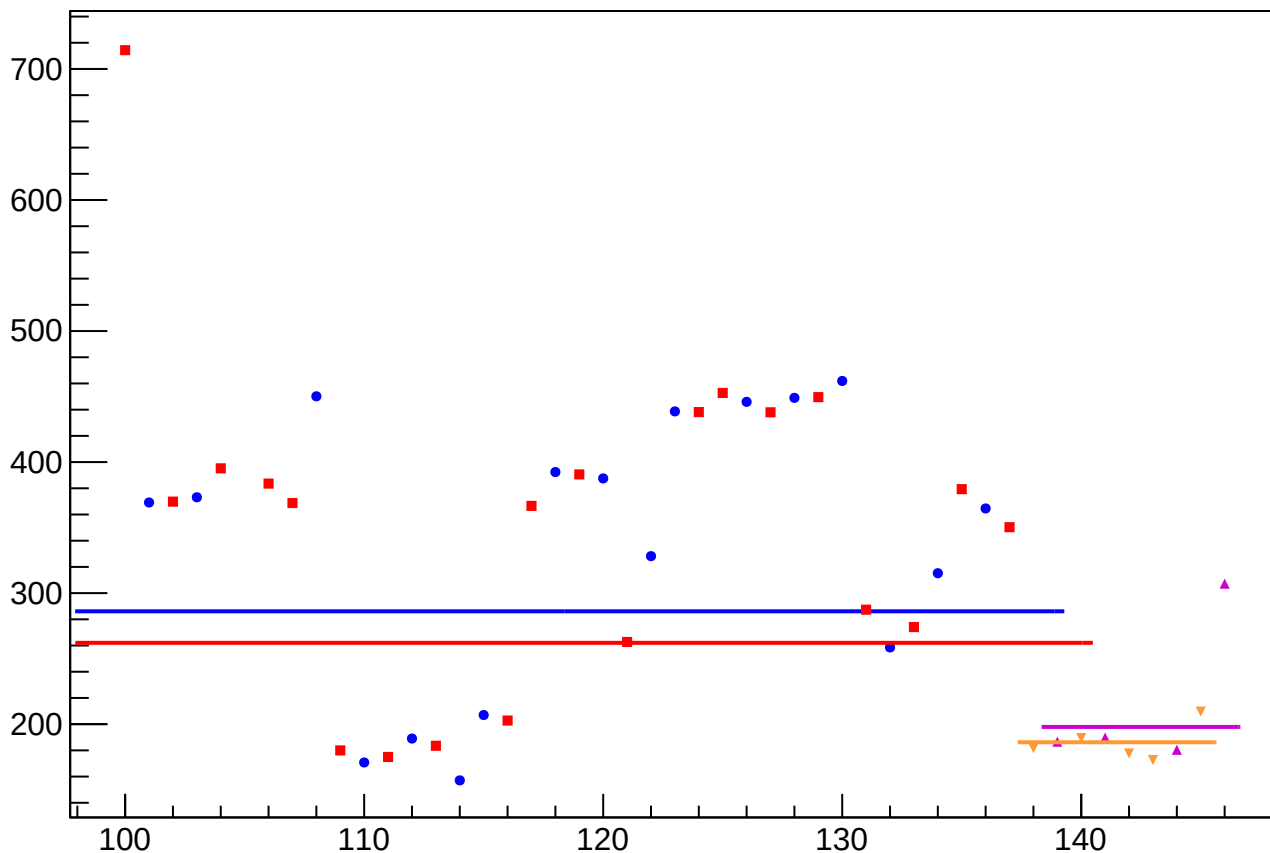
Left In: 130653.795 $\pm$ 0.115 χ^2 /NDF: 56692722.3/3

131451.958 $\pm$ 0.079 χ^2 /NDF: 408444077.0/21

131644.719 $\pm$ 0.056 χ^2 /NDF: 822985527

131834.718 $\pm$ 0.078 χ^2 /NDF: 402720360.5/23

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 286.122 $\pm$ 0.084 χ^2/NDF : 1525266.4/16

Left Out: 186.183 $\pm$ 0.075 χ^2/NDF : 28578.9/4

Right Out: 262.073 $\pm$ 0.076 χ^2/NDF : 1630239.5/19

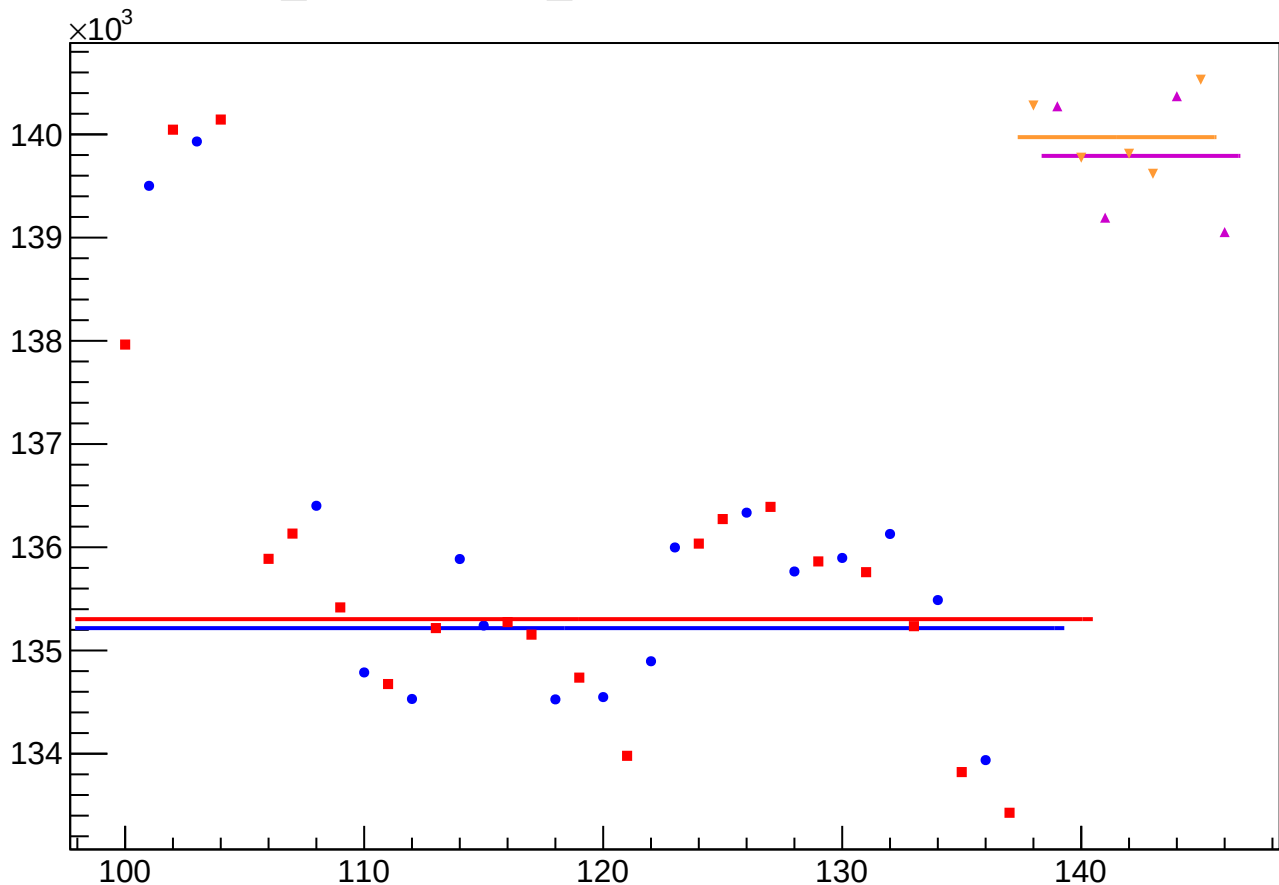
Left In: 197.899 $\pm$ 0.082 χ^2/NDF : 208414.8/3

229.958 $\pm$ 0.056 χ^2/NDF : 2341667.8/21

231.210 $\pm$ 0.039 χ^2/NDF : 4514056.4/45

232.445 $\pm$ 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: 139973.307 $\pm$ 0.099 χ^2/NDF : 11112959.3/4

Right Out: 135303.736 $\pm$ 0.051 χ^2/NDF : 357717935.5/19

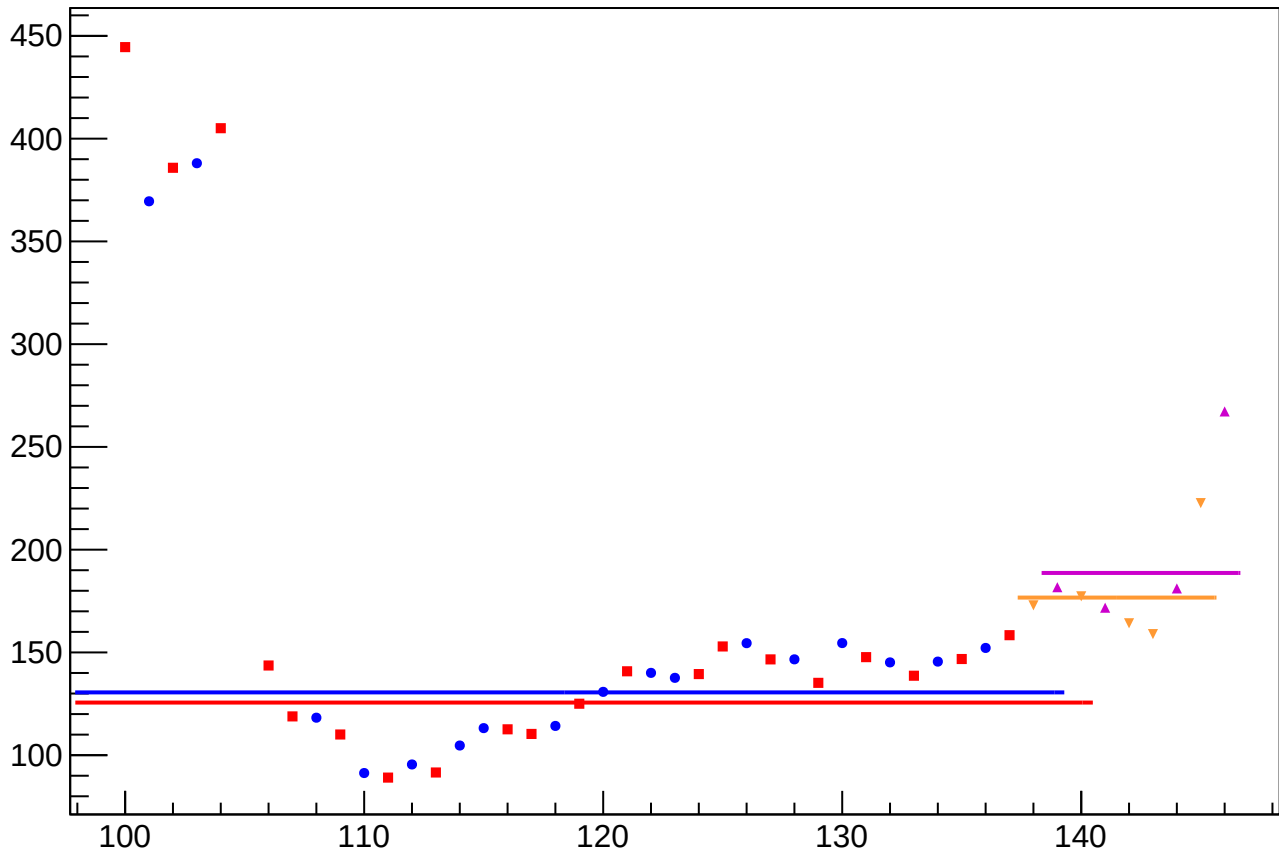
Left In: 139791.705 $\pm$ 0.109 χ^2/NDF : 29087363.1/3

136315.127 $\pm$ 0.048 χ^2/NDF : 2151051267.1/21

136210.264 $\pm$ 0.033 χ^2/NDF : 394745651

136112.219 $\pm$ 0.046 χ^2/NDF : 1787041159.9/23

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 130.552 $\pm$ 0.038 χ^2/NDF : 1373104.9/16

Left Out: 176.690 $\pm$ 0.070 χ^2/NDF : 82633.9/4

Right Out: 125.603 $\pm$ 0.036 χ^2/NDF : 1441677.4/19

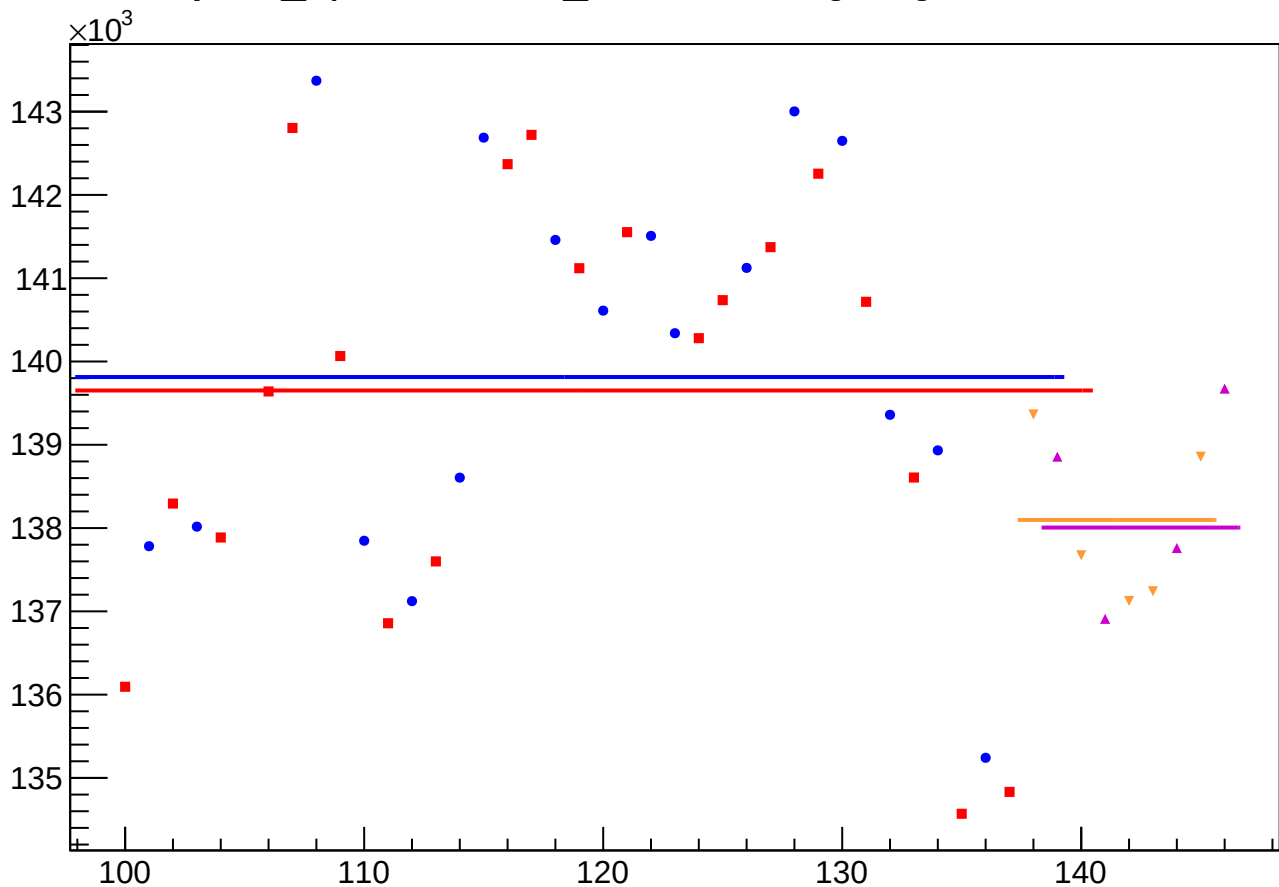
Left In: 188.674 $\pm$ 0.077 χ^2/NDF : 149108.0/3

141.207 $\pm$ 0.034 χ^2/NDF : 1788526.9/21

139.015 $\pm$ 0.023 χ^2/NDF : 3940566.0/45

136.965 $\pm$ 0.033 χ^2/NDF : 2143854.3/23

yield_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 139813.664 ± 0.062 $\chi^2/\text{NDF}: 1689865533.6/16$

Left Out: 138097.537 ± 0.098 $\chi^2/\text{NDF}: 85662345.8/4$

Right Out: 139651.821 ± 0.059 $\chi^2/\text{NDF}: 1531019137.4/19$

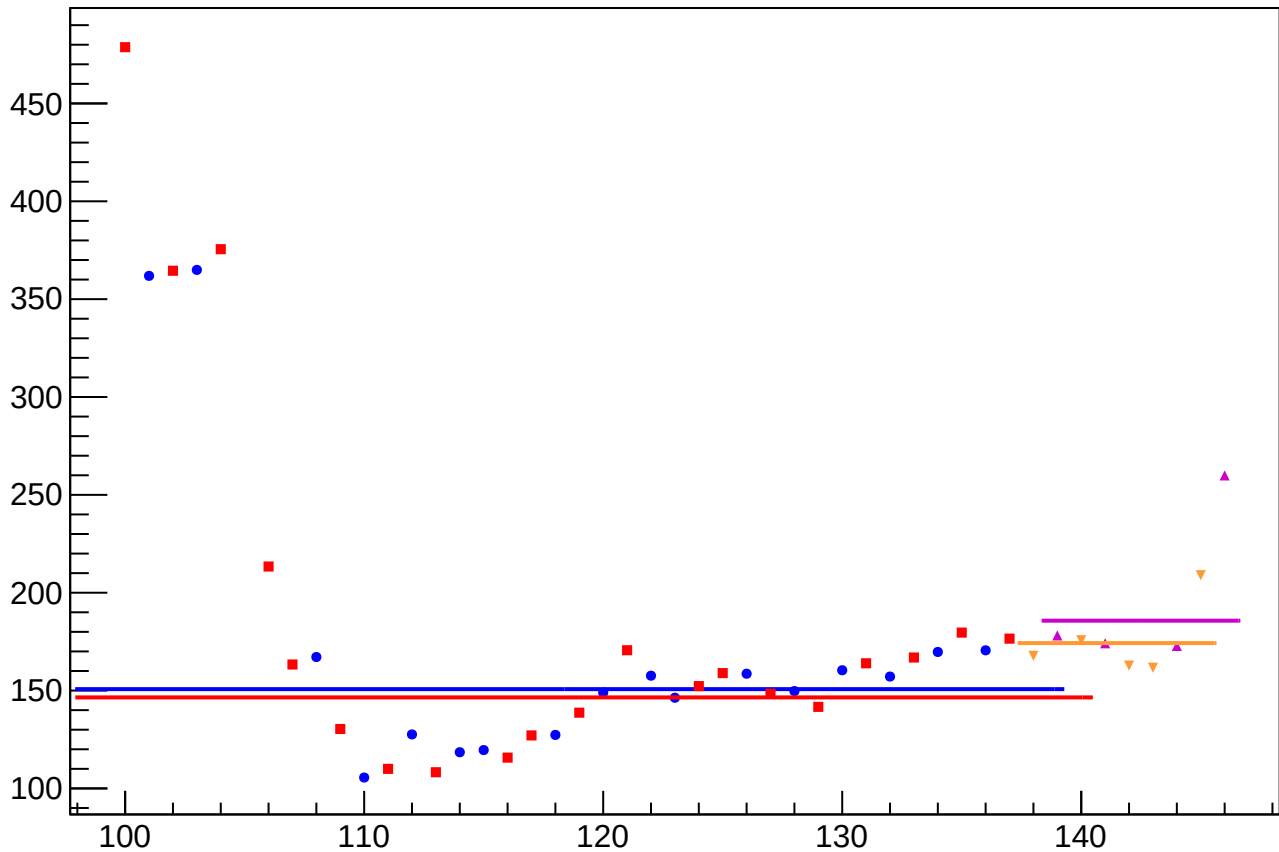
Left In: 138005.926 ± 0.106 $\chi^2/\text{NDF}: 81682909.7/3$

139322.423 ± 0.052 $\chi^2/\text{NDF}: 1995389267.3/21$

139294.549 ± 0.037 $\chi^2/\text{NDF}: 379187871$

139267.603 ± 0.051 $\chi^2/\text{NDF}: 1795931125.2/23$

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 150.733 $\pm$ 0.044 χ^2 /NDF: 1050071.6/16

Left Out: 174.266 $\pm$ 0.069 χ^2 /NDF:54192.7/4

Right Out: 146.506 $\pm$ 0.042 χ^2 /NDF: 1205131.2/19

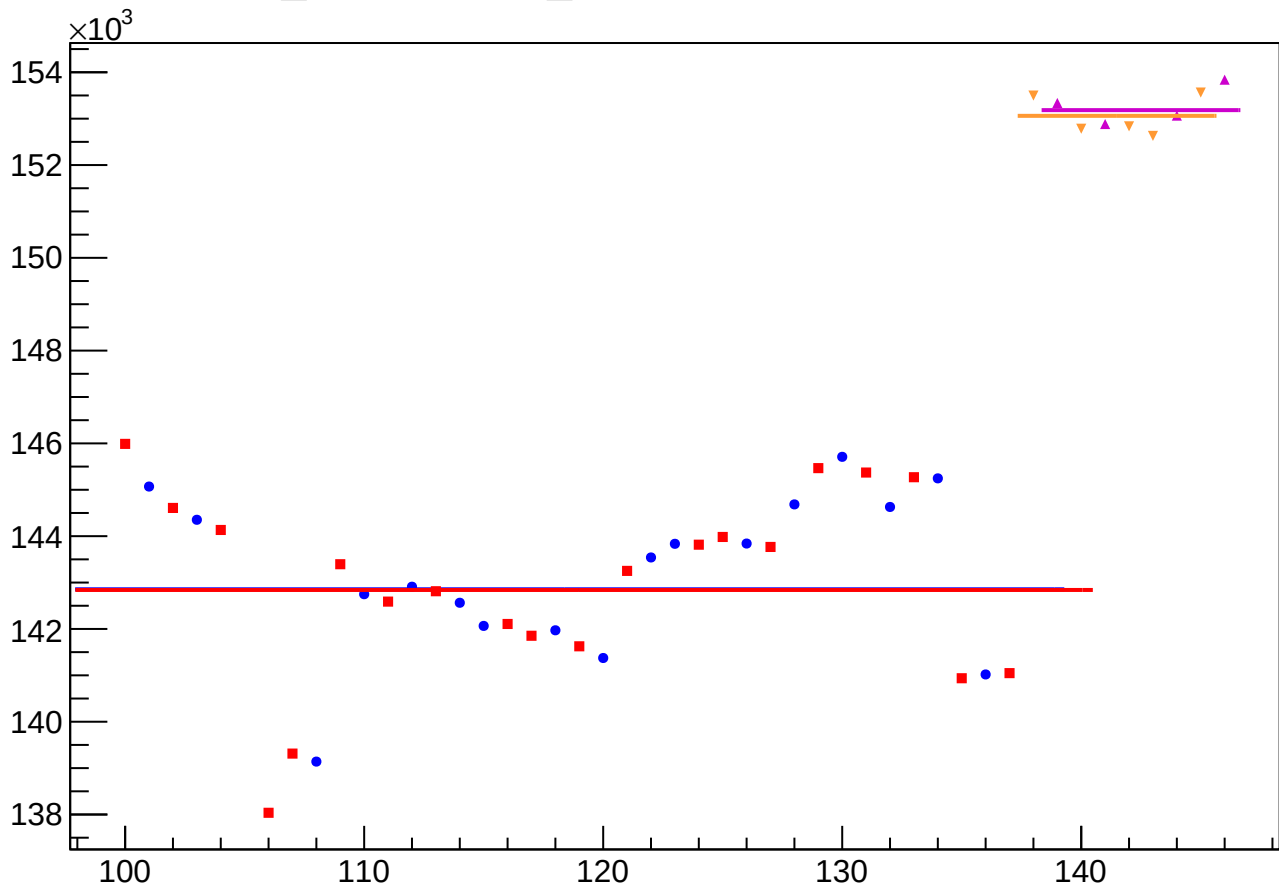
Left In: 185.713 $\pm$ 0.075 χ^2 /NDF:143974.9/3

157.469 $\pm$ 0.037 χ^2 /NDF: 1186951.3/21

156.549 $\pm$ 0.026 χ^2 /NDF: 2745224.8/45

155.658 $\pm$ 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: 153060.810 $\pm$ 0.099 χ^2 /NDF: 15835568.3/4

Right Out: 142840.509 $\pm$ 0.060 χ^2 /NDF: 852484333.4/19

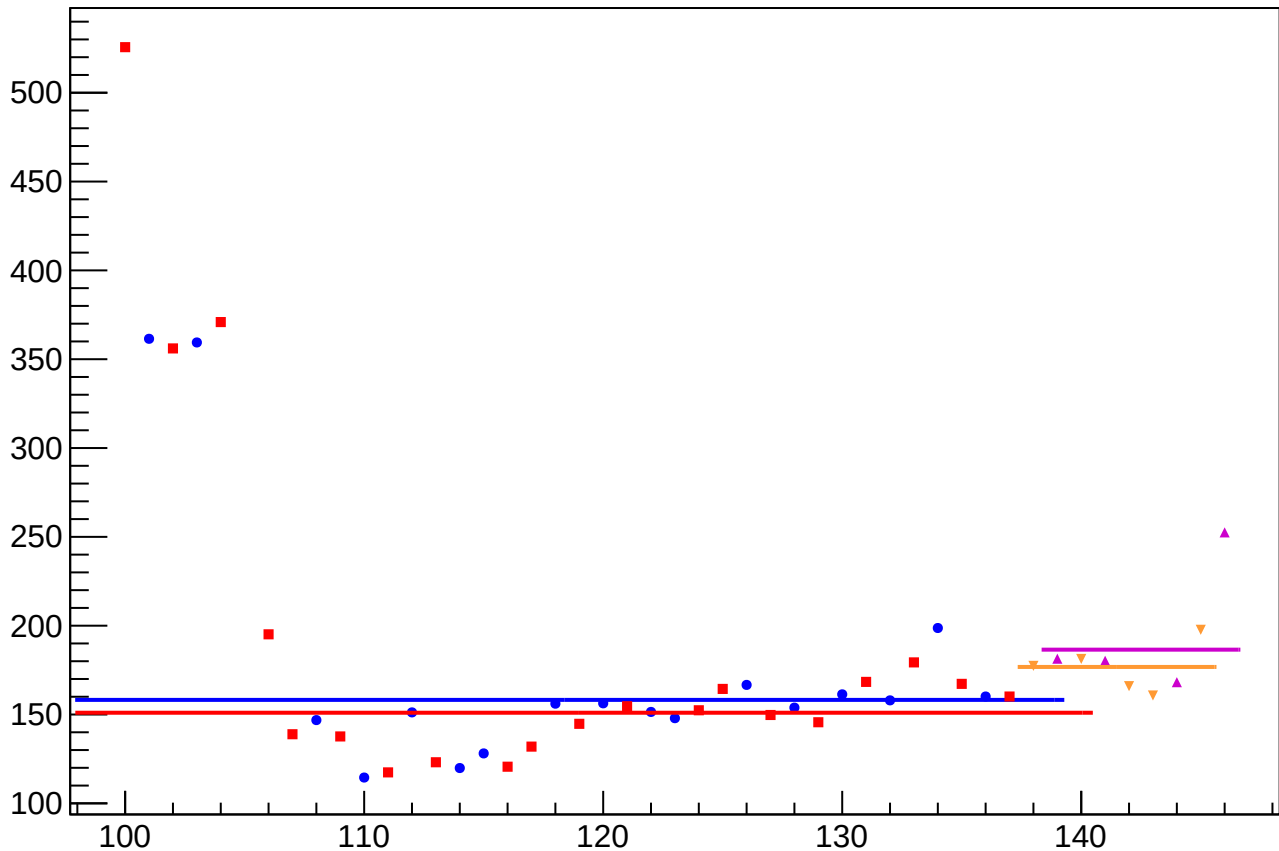
Left In: 153183.950 $\pm$ 0.106 χ^2 /NDF: 8492060.7/3

145903.265 $\pm$ 0.054 χ^2 /NDF: 8198908507.1/21

145612.528 $\pm$ 0.038 χ^2 /NDF: 162688586

145340.709 $\pm$ 0.052 χ^2 /NDF: 8014170617.8/23

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 158.233 $\pm$ 0.046 χ^2 /NDF: 883513.4/16

Left Out: 176.776 $\pm$ 0.070 χ^2 /NDF: 32820.4/4

Right Out: 151.003 $\pm$ 0.043 χ^2 /NDF: 1005104.9/19

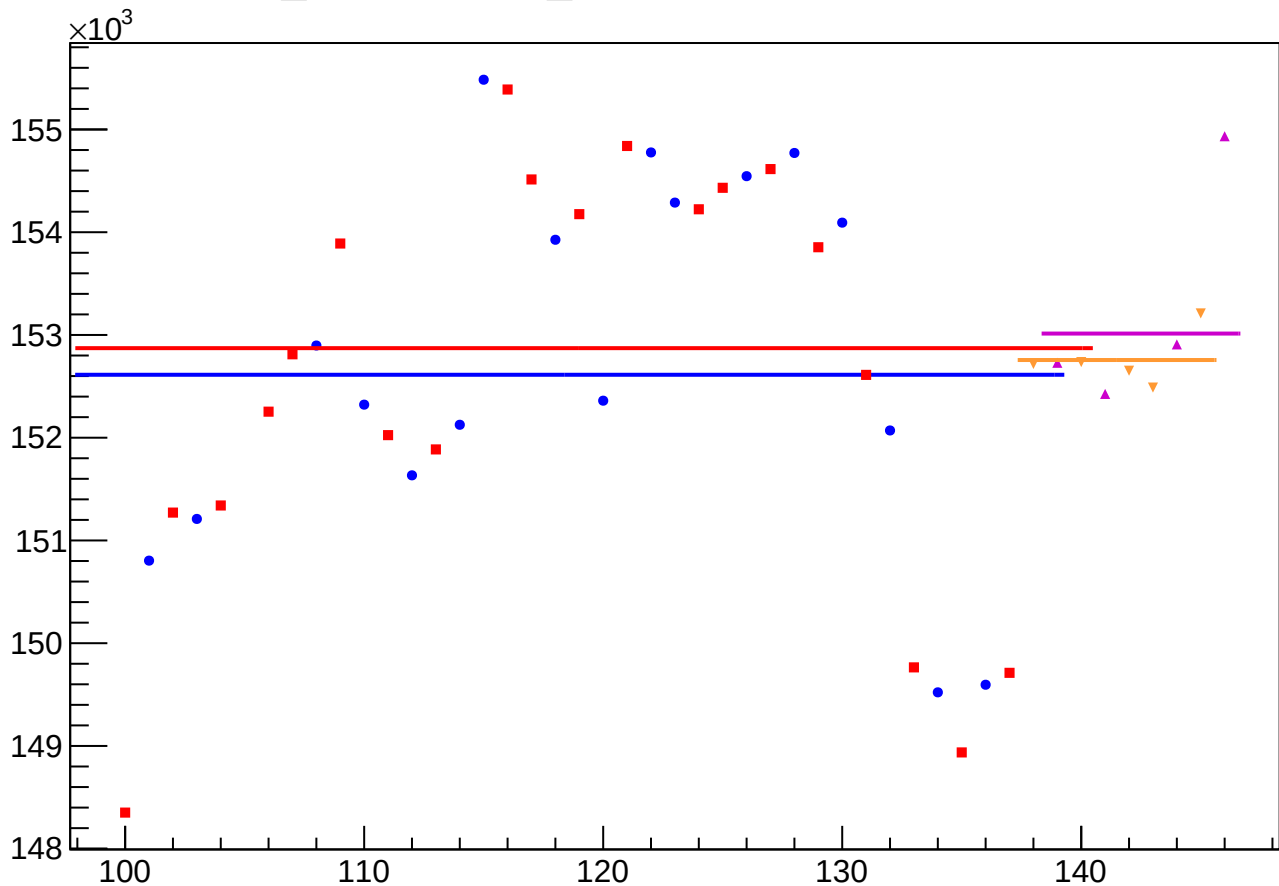
Left In: 186.509 $\pm$ 0.075 χ^2 /NDF: 129973.5/3

163.772 $\pm$ 0.038 χ^2 /NDF: 965467.9/21

161.608 $\pm$ 0.027 χ^2 /NDF: 2275299.8/45

159.585 $\pm$ 0.037 χ^2 /NDF: 1303653.2/23

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152612.586 ± 0.072 $\chi^2/\text{NDF}: 621416187.4/16$

Left Out: 152756.151 ± 0.098 $\chi^2/\text{NDF}: 5790196.6/4$

Right Out: 152871.618 ± 0.066 $\chi^2/\text{NDF}: 720639345.6/19$

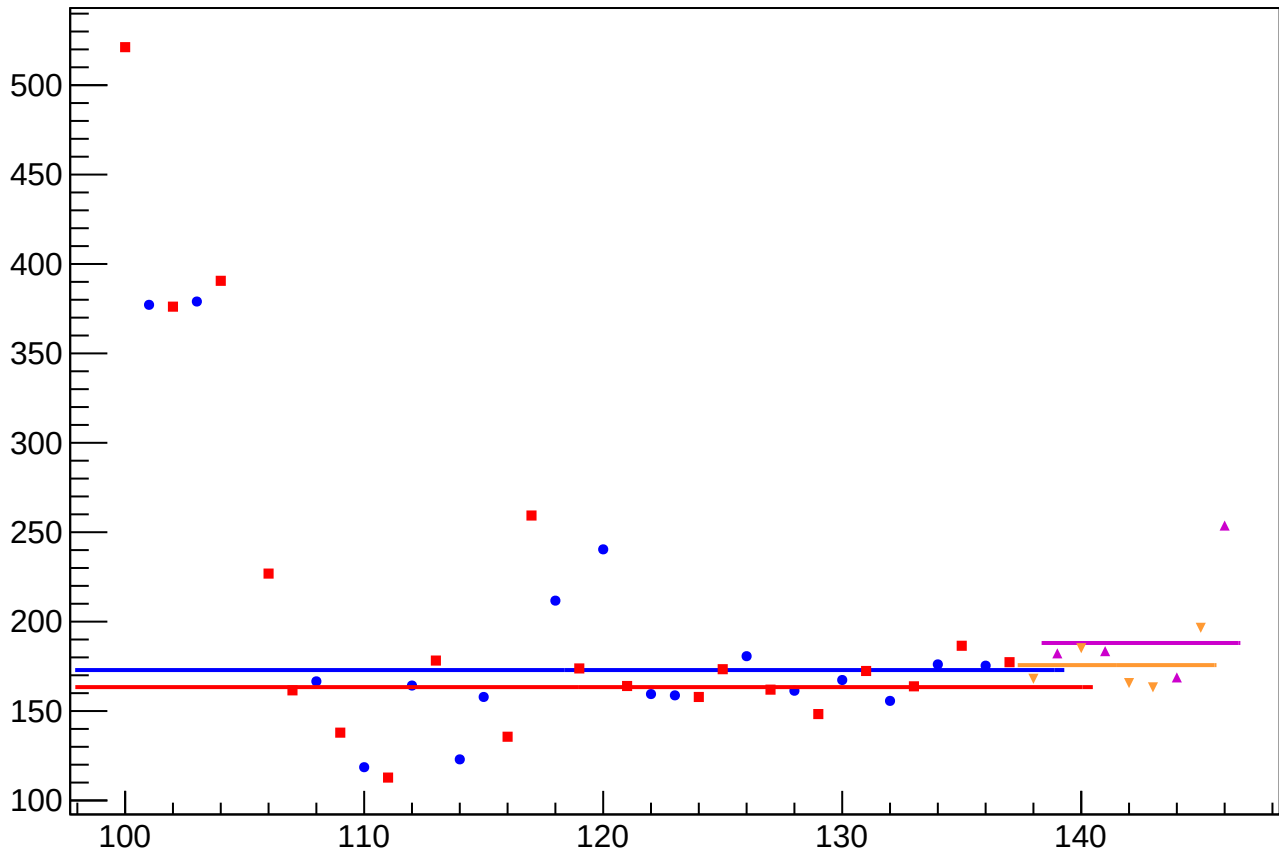
Left In: 153013.622 ± 0.107 $\chi^2/\text{NDF}: 55596106.4/3$

152662.958 ± 0.058 $\chi^2/\text{NDF}: 628595000.5/21$

152790.890 ± 0.040 $\chi^2/\text{NDF}: 141547941$

152910.767 ± 0.056 $\chi^2/\text{NDF}: 777506606.7/23$

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.921 +/- 0.051 χ^2/NDF : 941954.0/16

Left Out: 175.687 +/- 0.069 χ^2/NDF : 33678.9/4

Right Out: 163.382 +/- 0.047 χ^2/NDF : 1044431.2/19

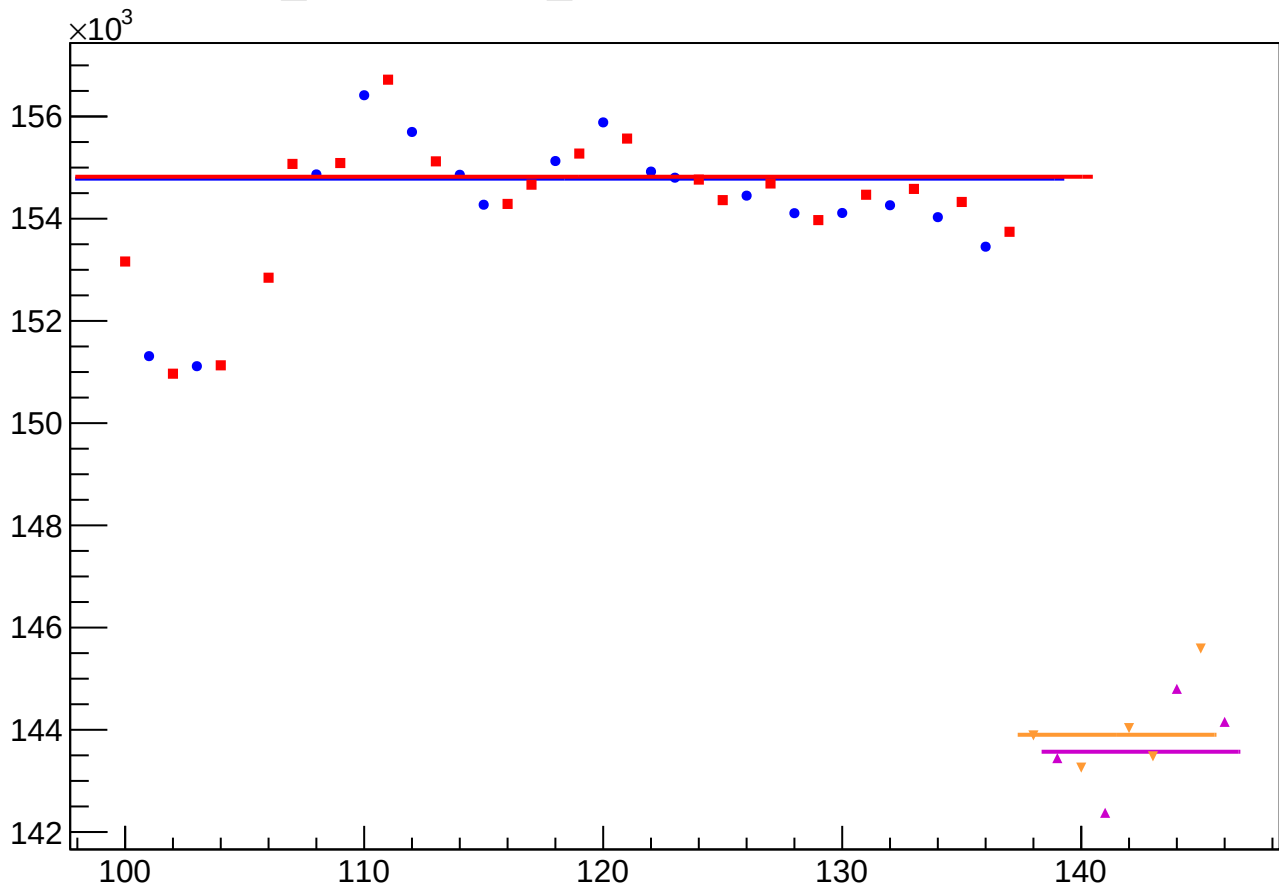
Left In: 188.062 +/- 0.076 χ^2/NDF : 129801.2/3

173.891 +/- 0.041 χ^2/NDF : 976663.7/21

171.978 +/- 0.029 χ^2/NDF : 2231883.4/45

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: 143902.899 $\pm$ 0.097 χ^2 /NDF: 61237130.5/4

151369.603 $\pm$ 0.054 χ^2 /NDF: 9021379998.7/21

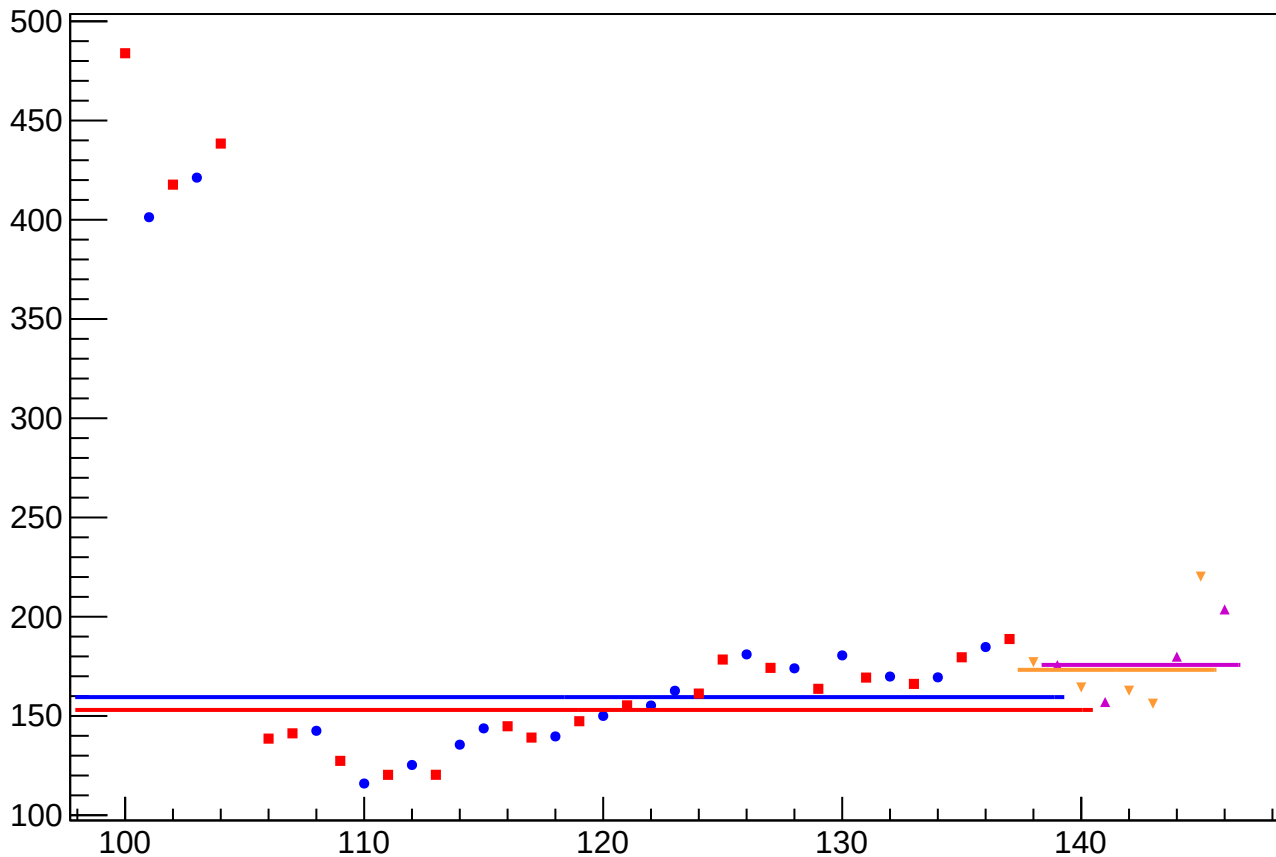
Right Out: 154820.824 $\pm$ 0.061 χ^2 /NDF: 293904936.4/19

151581.027 $\pm$ 0.037 χ^2 /NDF: 187610485

Left In: 143570.672 $\pm$ 0.100 χ^2 /NDF: 94993018.9/3

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: 173.244 +/- 0.068 χ^2/NDF : 92277.3/4

Right Out: 153.038 +/- 0.043 χ^2/NDF : 1174616.4/19

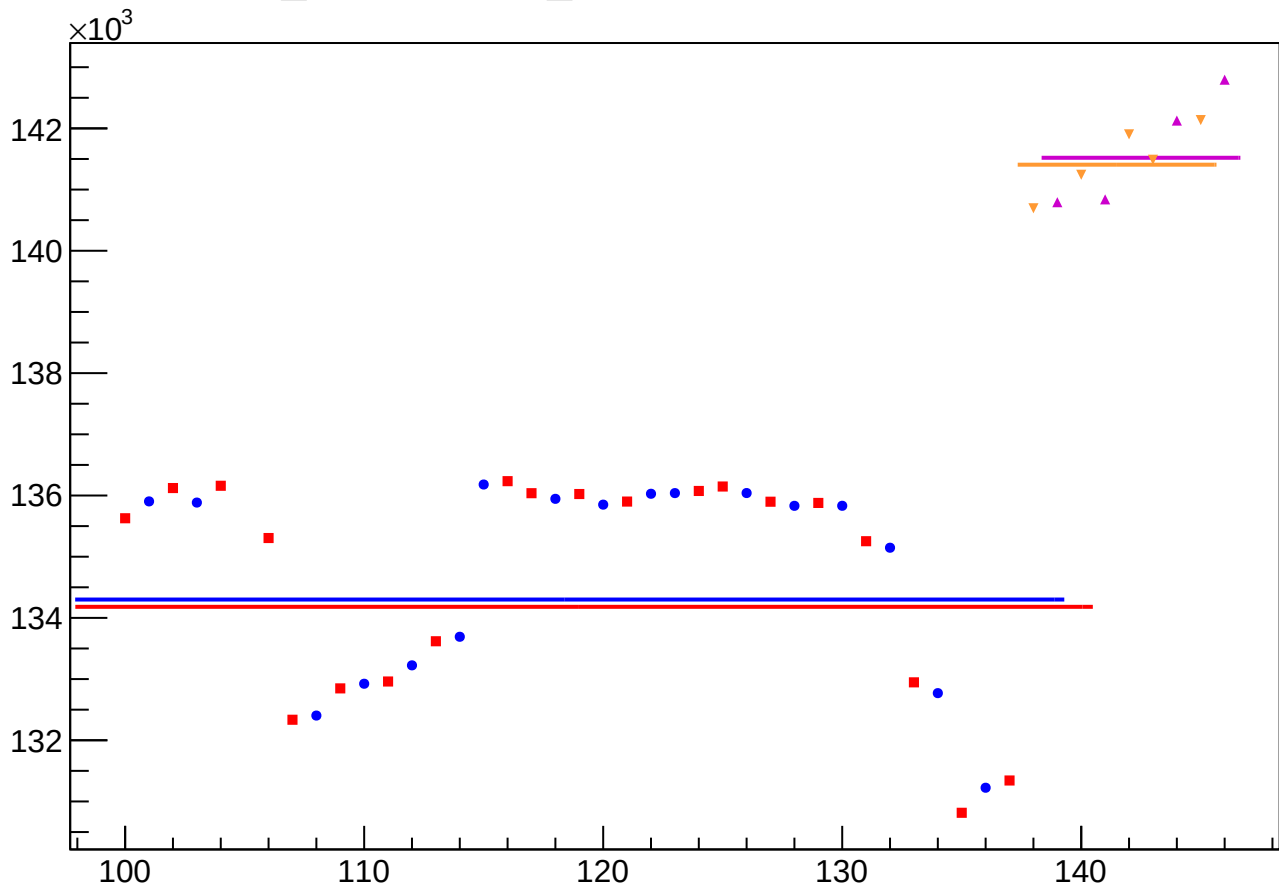
Left In: 175.730 +/- 0.070 χ^2/NDF : 54160.3/3

163.815 +/- 0.038 χ^2/NDF : 1251849.7/21

161.395 +/- 0.026 χ^2/NDF : 2564121.5/45

159.183 +/- 0.037 χ^2/NDF : 1304625.2/23

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134300.025+/-0.050 χ^2/NDF : 1149581803.2/16

Left Out: 141406.720+/-0.094 χ^2/NDF : 26209345.1/4

Right Out: 134180.888+/-0.047 χ^2/NDF : 1224202240.2/19

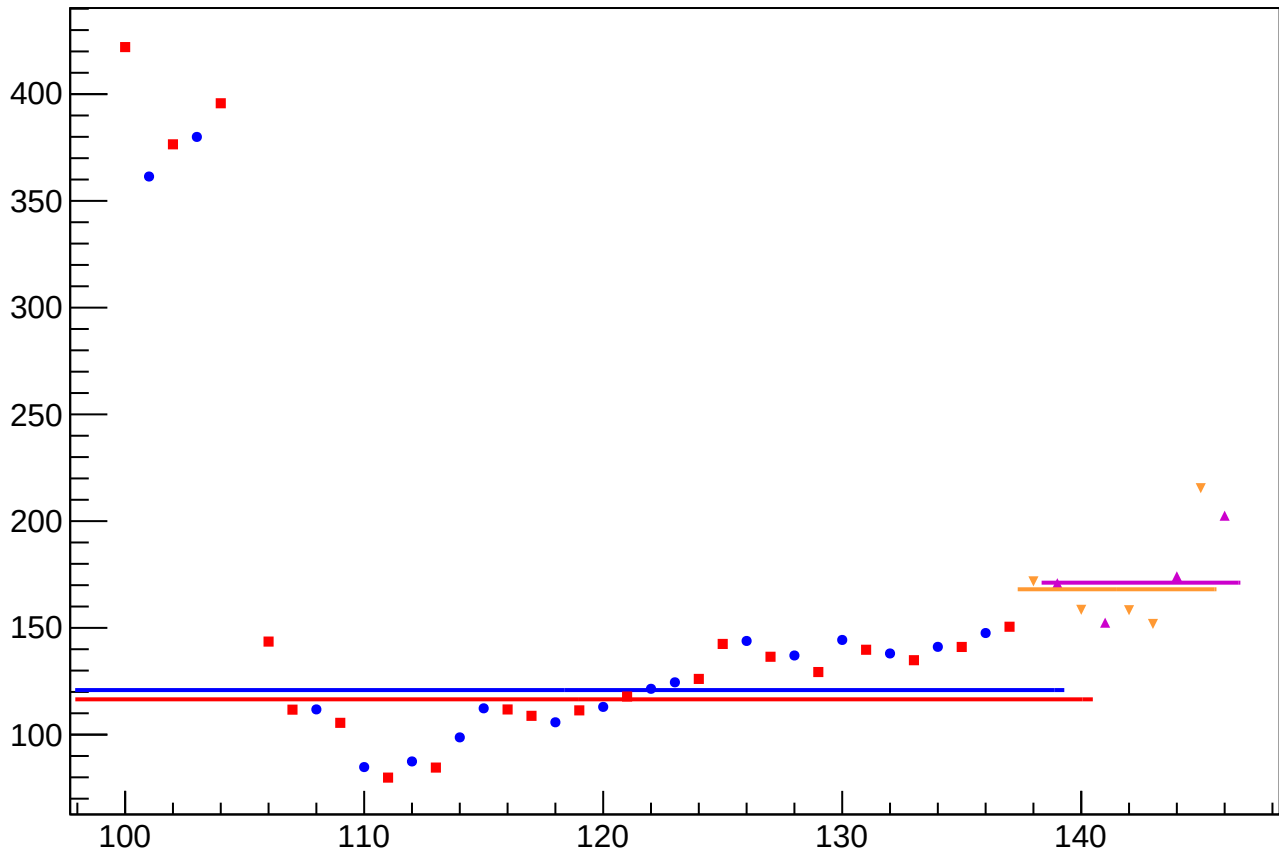
Left In: 141519.750+/-0.097 χ^2/NDF : 70156550.7/3

135887.147+/-0.044 χ^2/NDF : 5626342621.3/21

135728.828+/-0.031 χ^2/NDF : 115669067

135583.896+/-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: 168.079 $\pm$ 0.066 χ^2 /NDF:96802.1/4

Right Out: 116.531 $\pm$ 0.033 χ^2 /NDF: 1541779.4/19

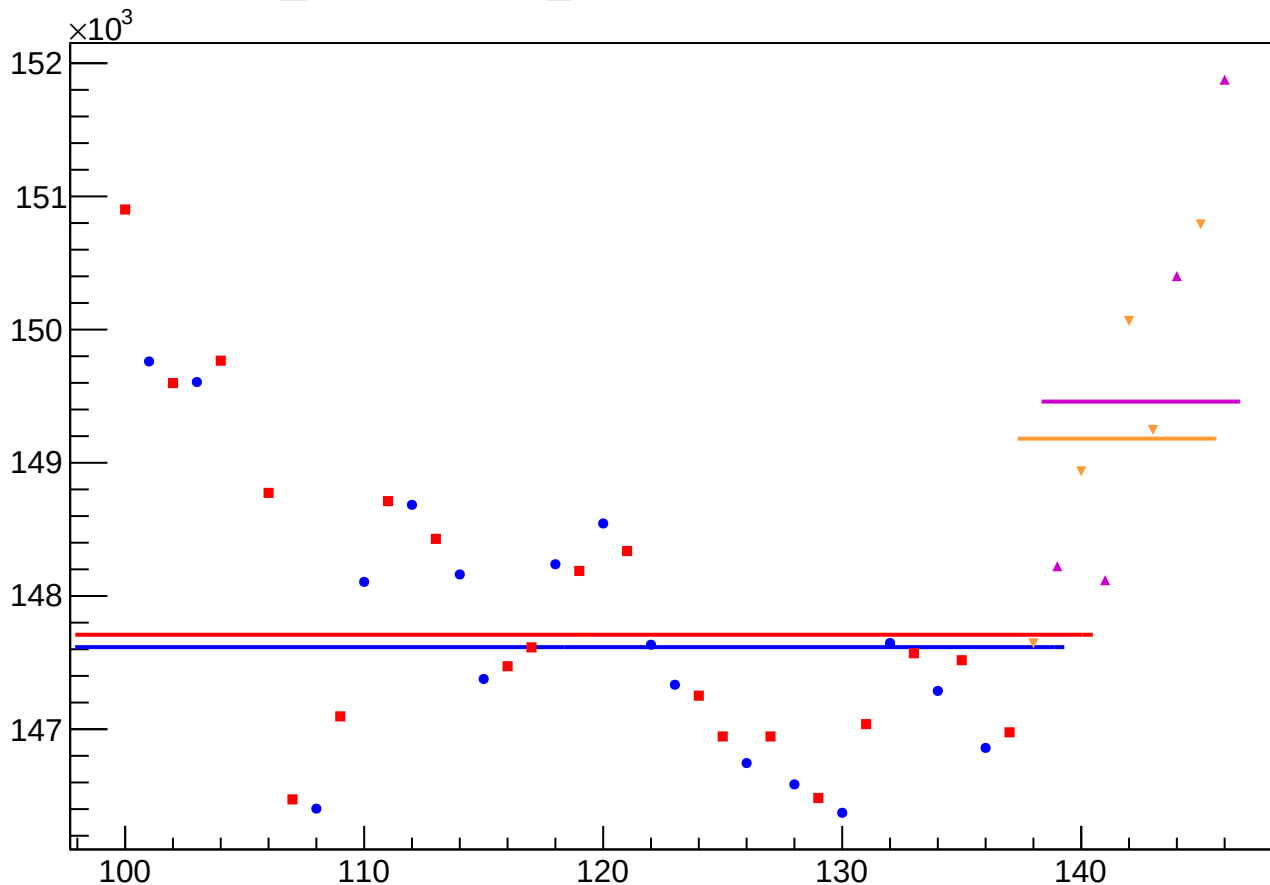
Left In: 171.177 $\pm$ 0.069 χ^2 /NDF:63248.1/3

131.415 $\pm$ 0.031 χ^2 /NDF: 1953279.5/21

129.099 $\pm$ 0.022 χ^2 /NDF: 4081255.9/45

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

Left Out: 149181.659 $\pm$ 0.112 χ^2 /NDF: 87043373.8/4

Right Out: 147709.096 $\pm$ 0.058 χ^2 /NDF: 203924272.1/19

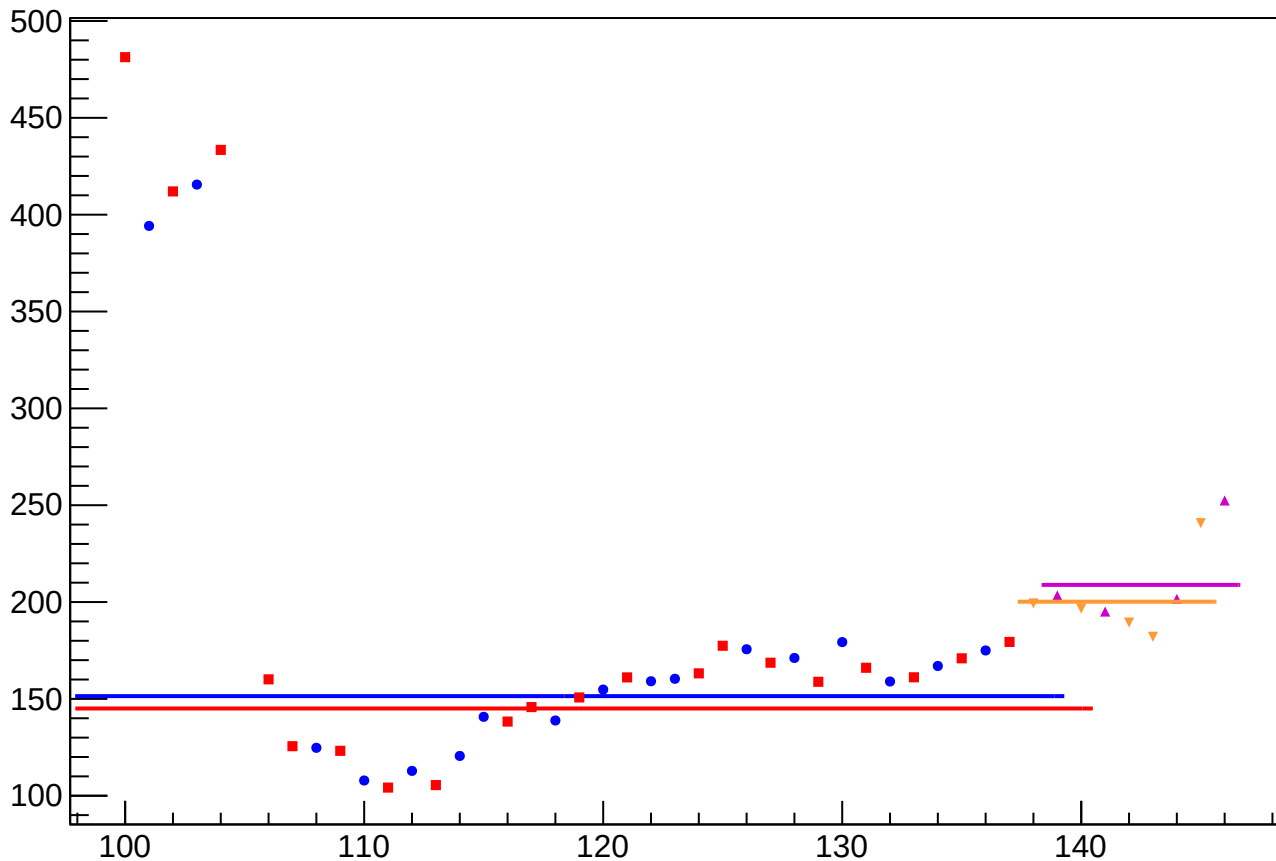
Left In: 149459.560 $\pm$ 0.118 χ^2 /NDF: 155648501.0/3

147990.279 $\pm$ 0.055 χ^2 /NDF: 436325744.1/21

148021.548 $\pm$ 0.038 χ^2 /NDF: 973196407

148050.186 $\pm$ 0.052 χ^2 /NDF: 536240182.9/23

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 151.424+/-0.044 χ^2/NDF : 1257843.0/16

Left Out: 200.180+/-0.079 χ^2/NDF : 58092.0/4

Right Out: 145.044+/-0.041 χ^2/NDF : 1375974.1/19

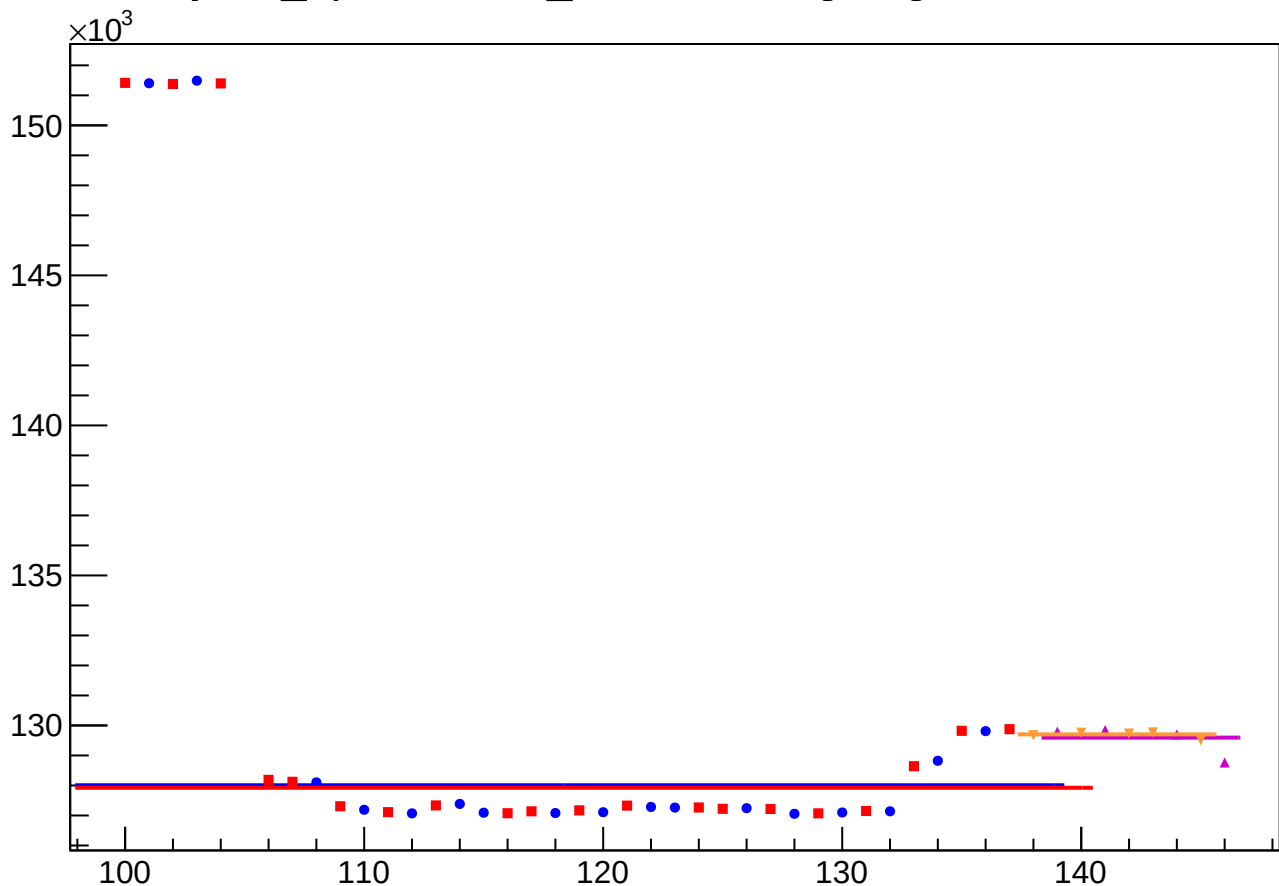
Left In: 208.866+/-0.084 χ^2/NDF : 58715.7/3

163.076+/-0.039 χ^2/NDF : 1606955.6/21

160.155+/-0.027 χ^2/NDF : 3522342.2/45

157.480+/-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: 129702.931 $\pm$ 0.096 χ^2 /NDF: 828240.2/4

Right Out: 127923.940 $\pm$ 0.050 χ^2 /NDF: 3770107280.1/19

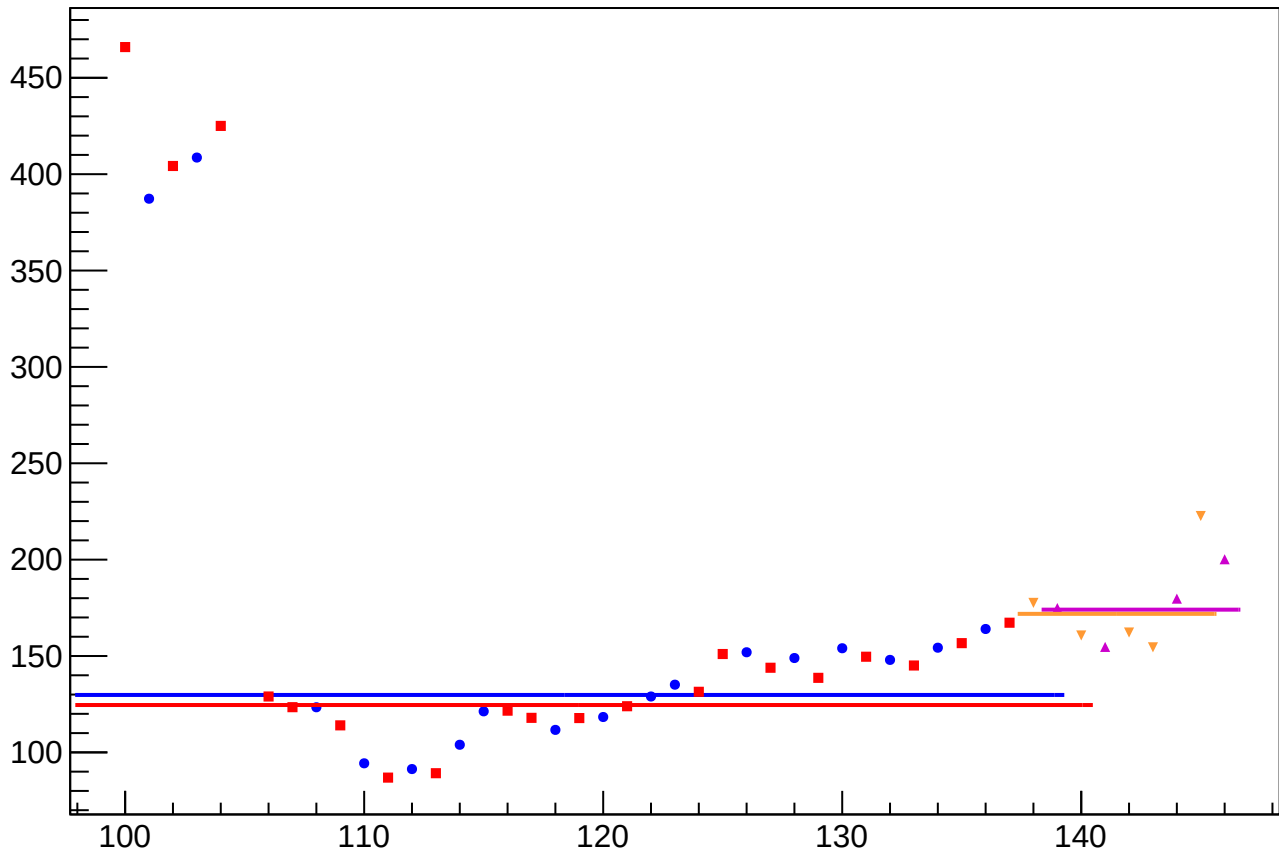
Left In: 129594.709 $\pm$ 0.099 χ^2 /NDF: 16754293.6/3

128416.086 $\pm$ 0.047 χ^2 /NDF: 4557188720.3/21

128337.839 $\pm$ 0.032 χ^2 /NDF: 857715953

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: 171.871+/-0.068 χ^2/NDF :106349.3/4

Right Out: 124.572+/-0.035 χ^2/NDF : 1532105.0/19

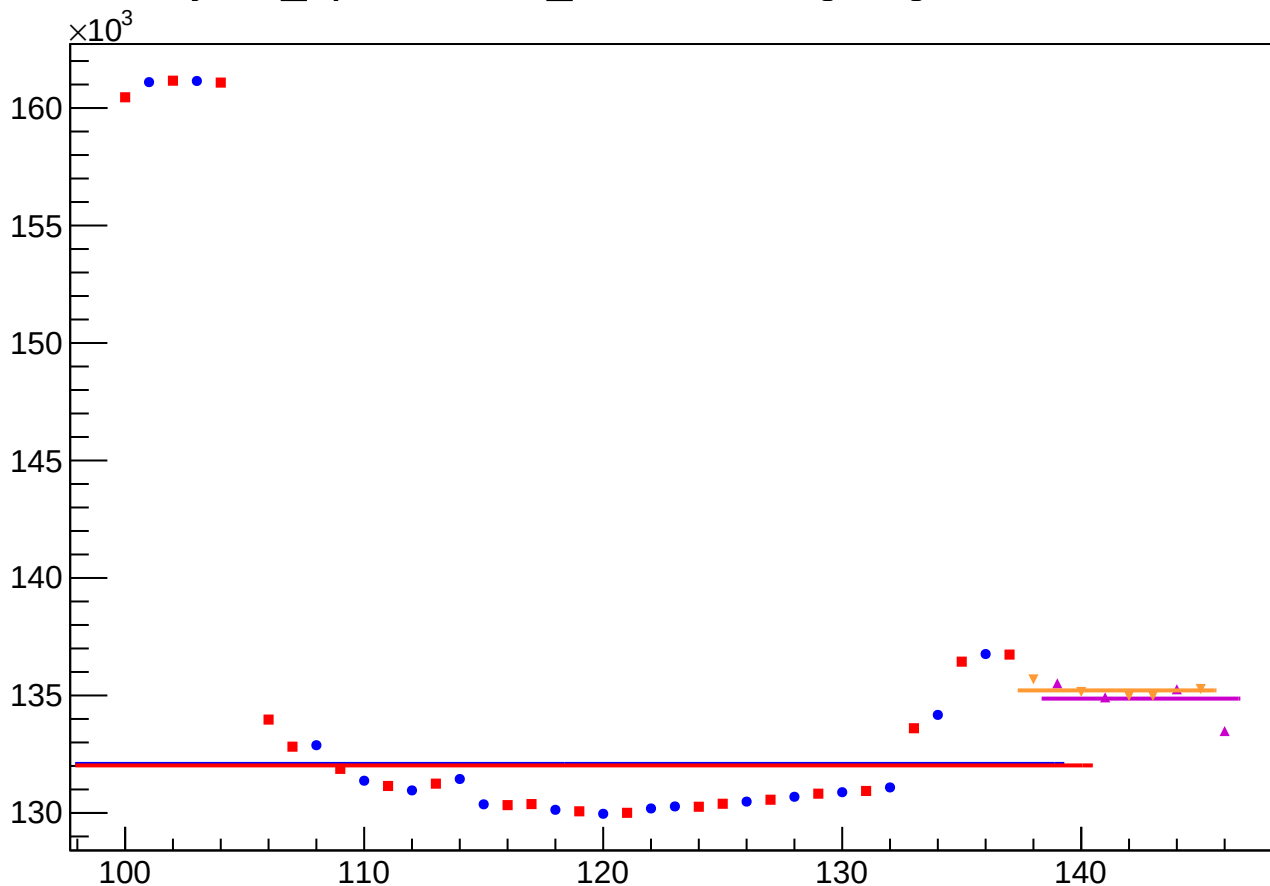
Left In: 174.052+/-0.070 χ^2/NDF :54471.0/3

139.938+/-0.033 χ^2/NDF : 1882997.6/21

137.204+/-0.023 χ^2/NDF : 3882065.2/45

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: 135215.506 $\pm$ 0.100 χ^2 /NDF: 6964590.9/4

Right Out: 132023.609 $\pm$ 0.052 χ^2 /NDF: 5890492527.2/19

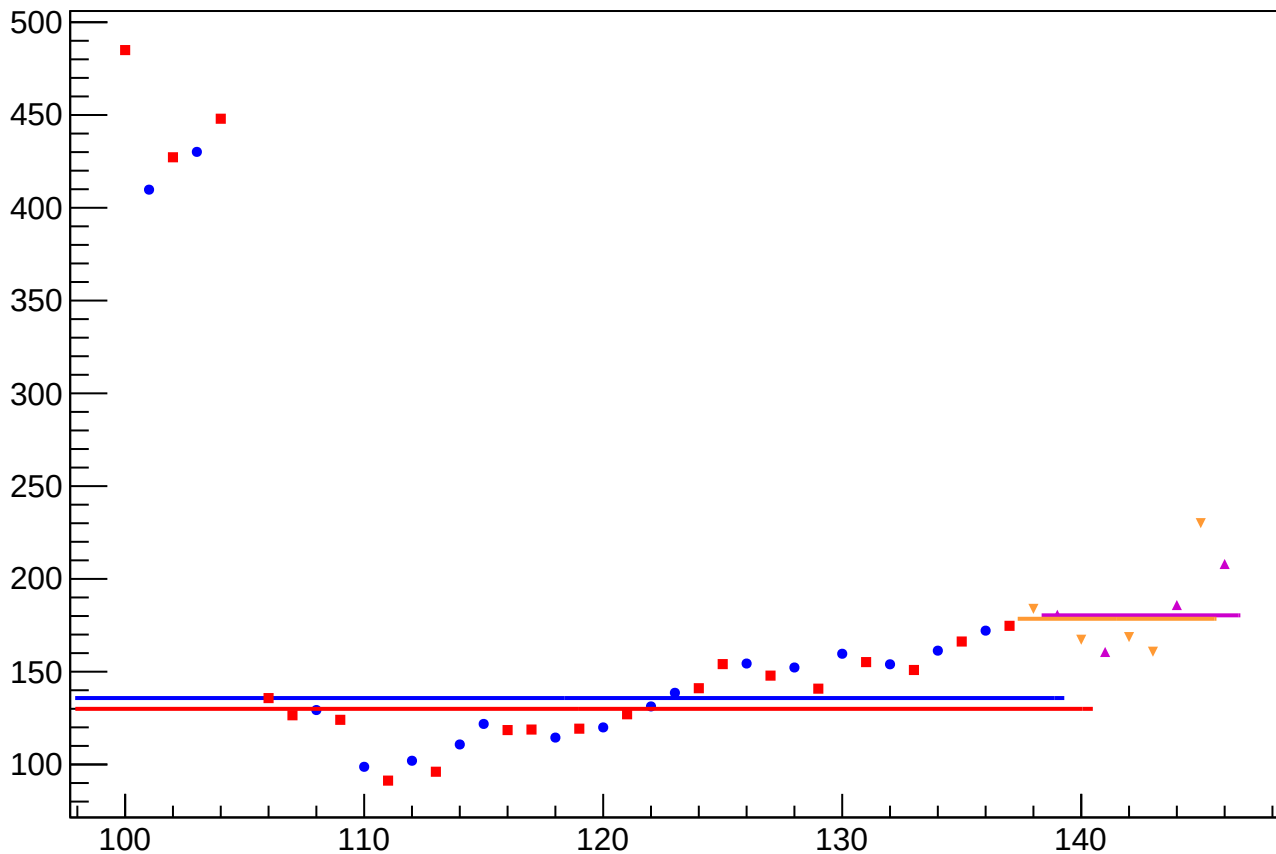
Left In: 134866.741 $\pm$ 0.102 χ^2 /NDF: 47009888.8/3

132847.971 $\pm$ 0.049 χ^2 /NDF: 7485556883.1/21

132724.487 $\pm$ 0.034 χ^2 /NDF: 140482239

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: 178.517+/-0.070 χ^2/NDF : 102200.5/4

Right Out: 129.975+/-0.037 χ^2/NDF : 1504768.0/19

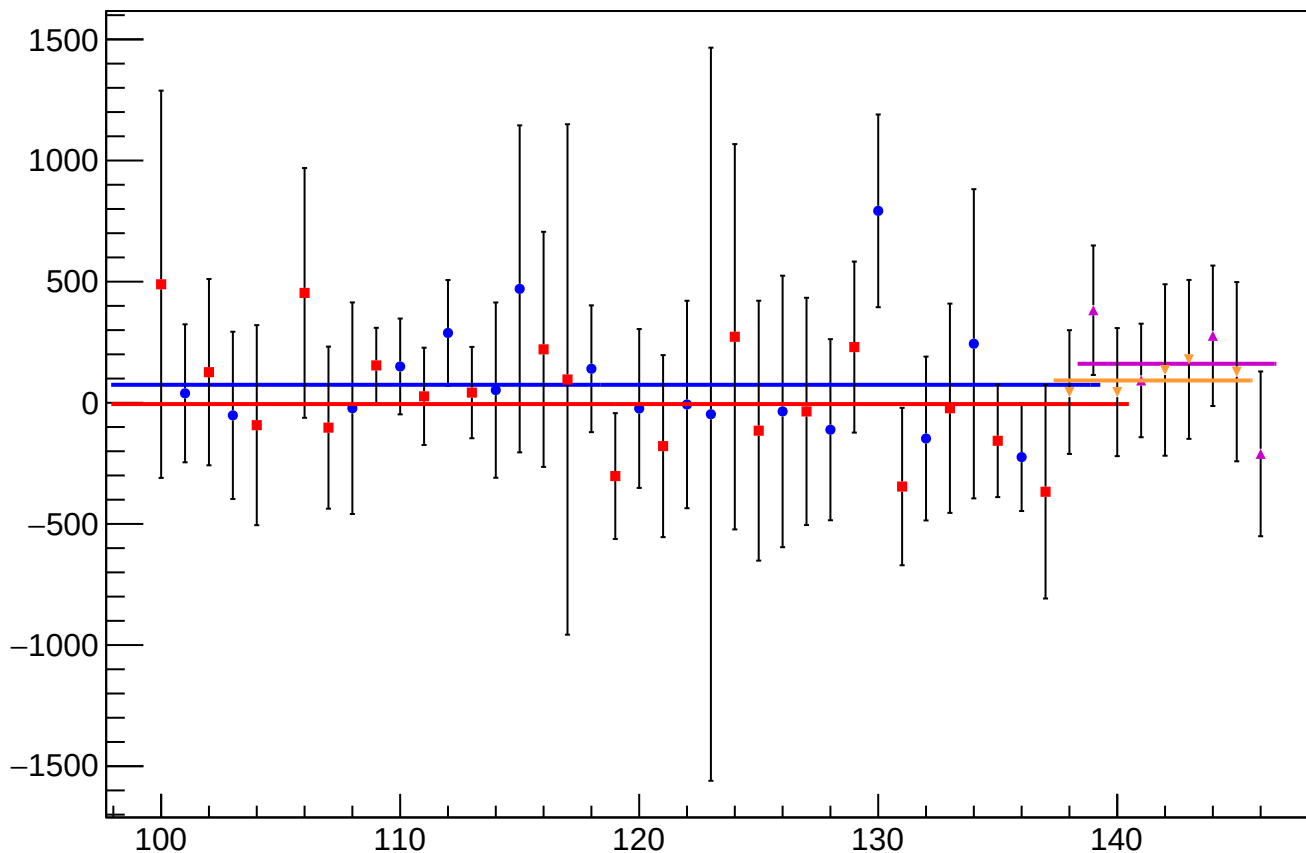
Left In: 180.369+/-0.072 χ^2/NDF : 54433.6/3

146.190+/-0.035 χ^2/NDF : 1822041.8/21

143.156+/-0.024 χ^2/NDF : 3780987.7/45

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: 92.117+/-135.793 χ^2/NDF : 0.2/4

Right Out: -5.290+/-69.914 χ^2/NDF : 7.1/19

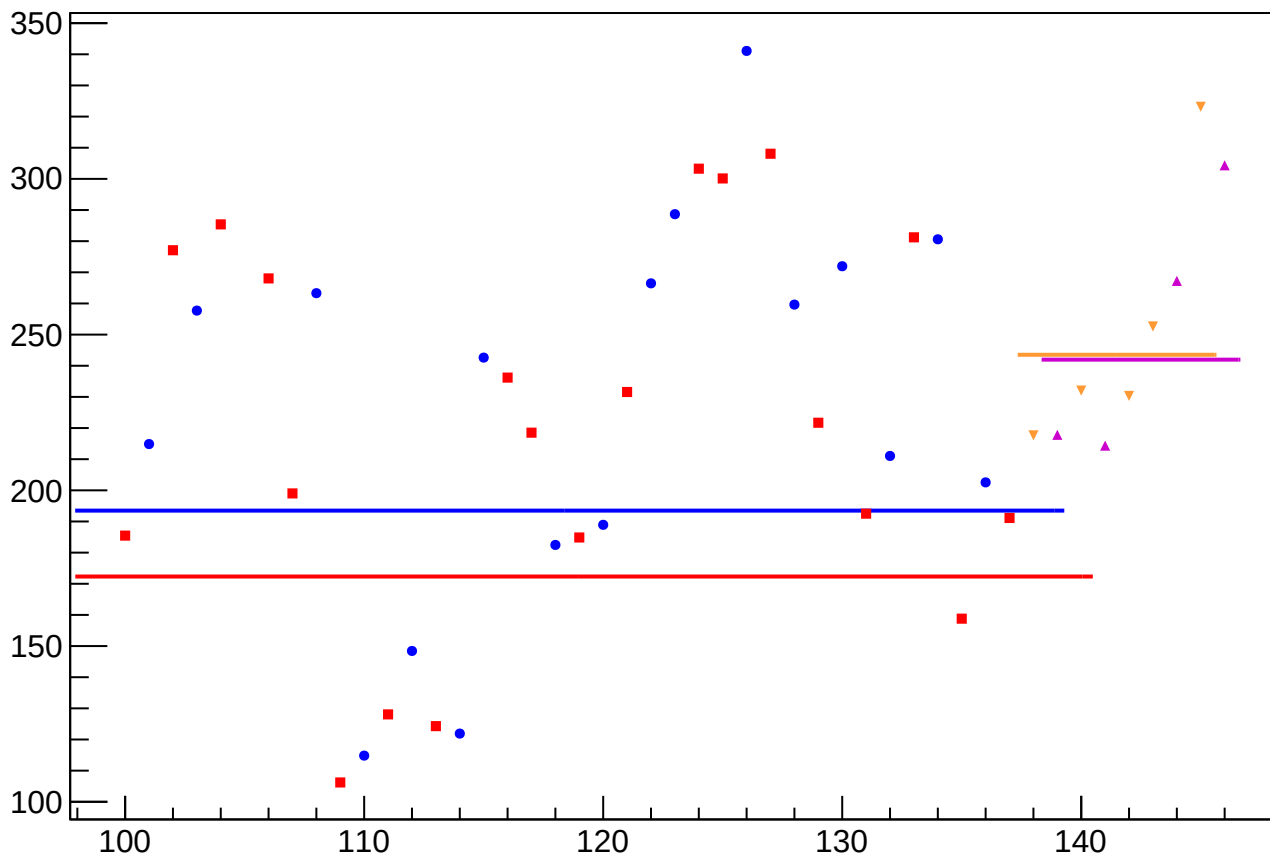
Left In: 161.061+/-137.670 χ^2/NDF : 2.1/3

78.803+/-68.297 χ^2/NDF : 7.9/21

51.533+/-46.042 χ^2/NDF : 18.6/45

28.816+/-62.337 χ^2/NDF : 10.4/23

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.488+/-0.056 χ^2/NDF : 1017195.7/16

Left Out: 243.523+/-0.096 χ^2/NDF : 121315.9/4

Right Out: 172.327+/-0.049 χ^2/NDF : 1583701.4/19

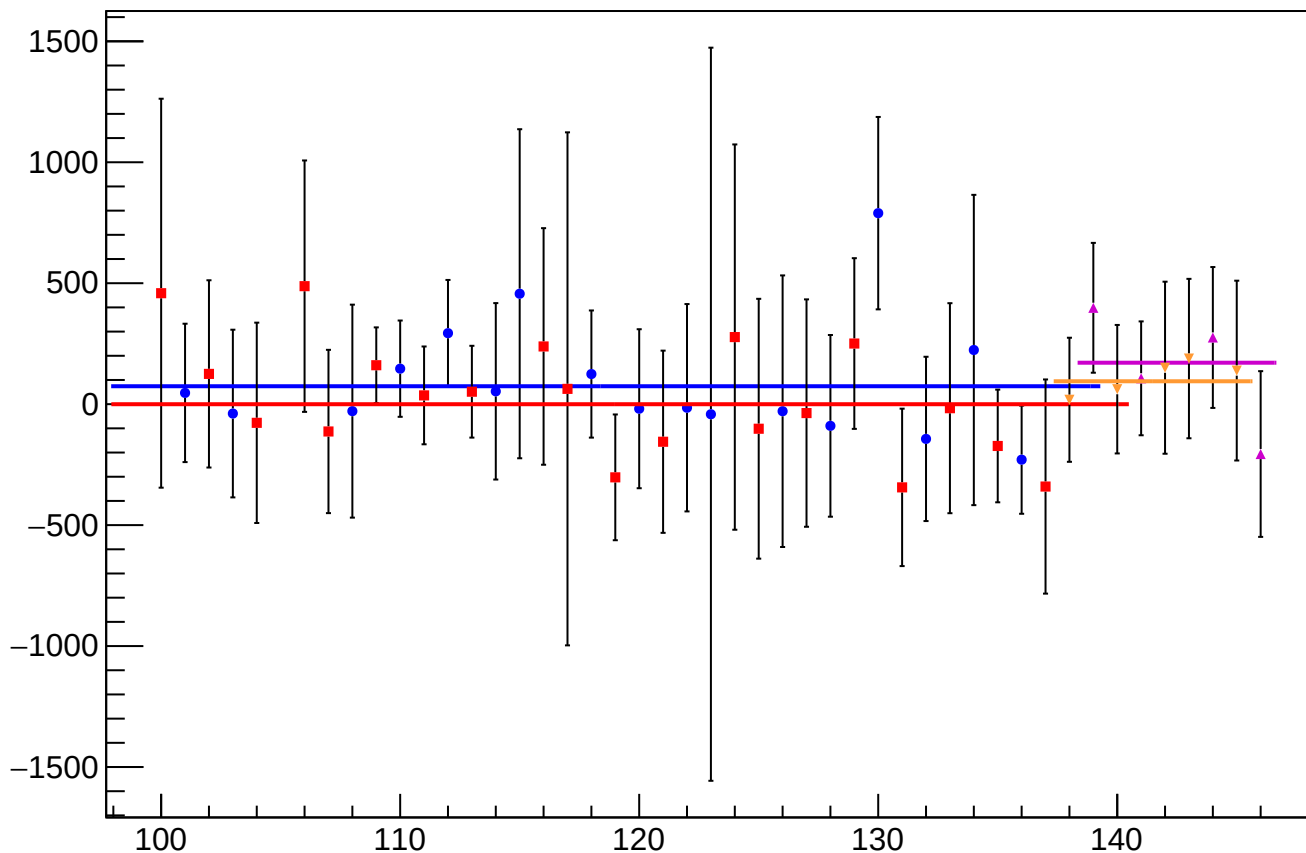
Left In: 241.960+/-0.097 χ^2/NDF : 126649.5/3

206.145+/-0.048 χ^2/NDF : 1341358.0/21

195.484+/-0.033 χ^2/NDF : 3547792.8/45

186.603+/-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: 94.637 ± 136.414 χ^2/NDF : 0.2/4

Right Out: -0.223 ± 70.282 χ^2/NDF : 7.3/19

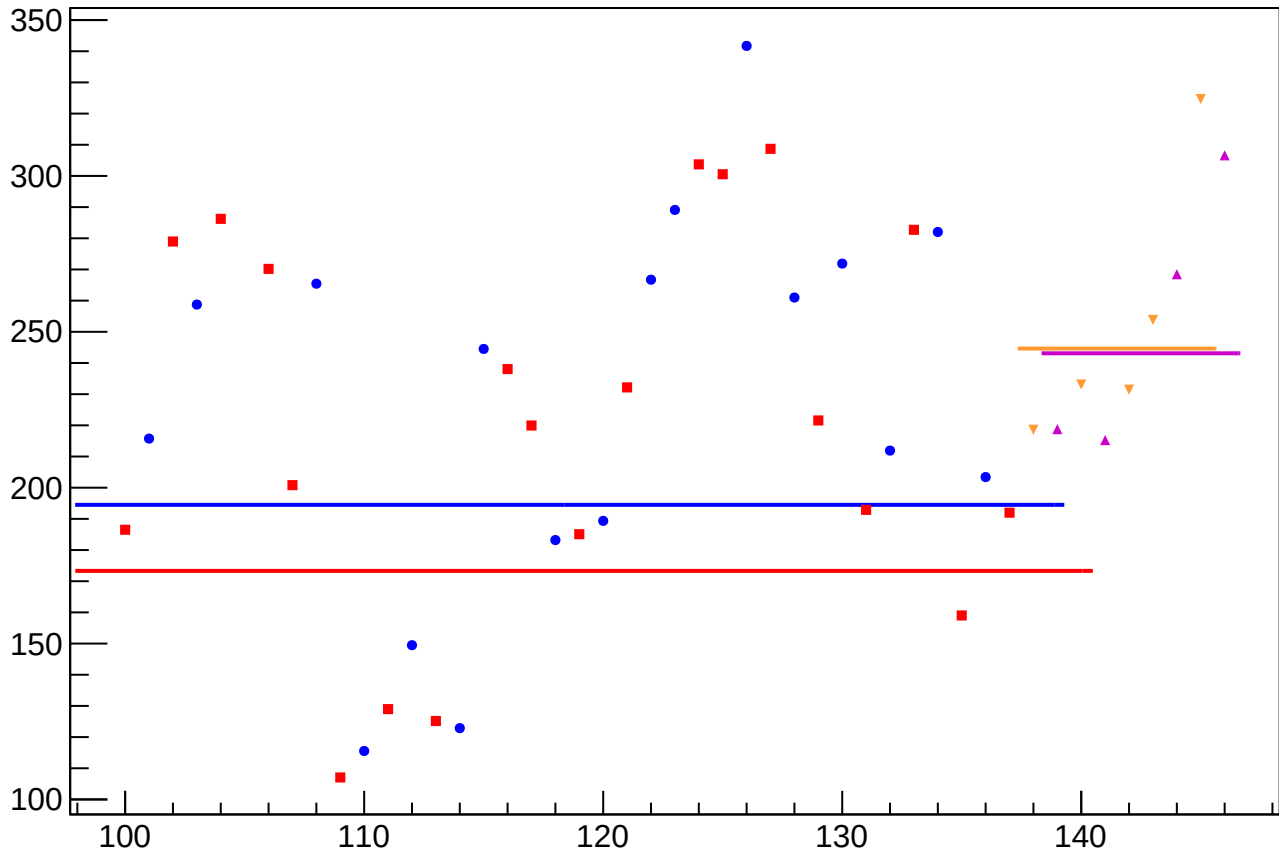
Left In: 171.336 ± 138.343 χ^2/NDF : 2.1/3

79.296 ± 68.625 χ^2/NDF : 7.8/21

55.124 ± 46.272 χ^2/NDF : 18.7/45

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: 244.631 $\pm$ 0.096 χ^2/NDF :121494.8/4

Right Out: 173.317 $\pm$ 0.050 χ^2/NDF : 1571258.4/19

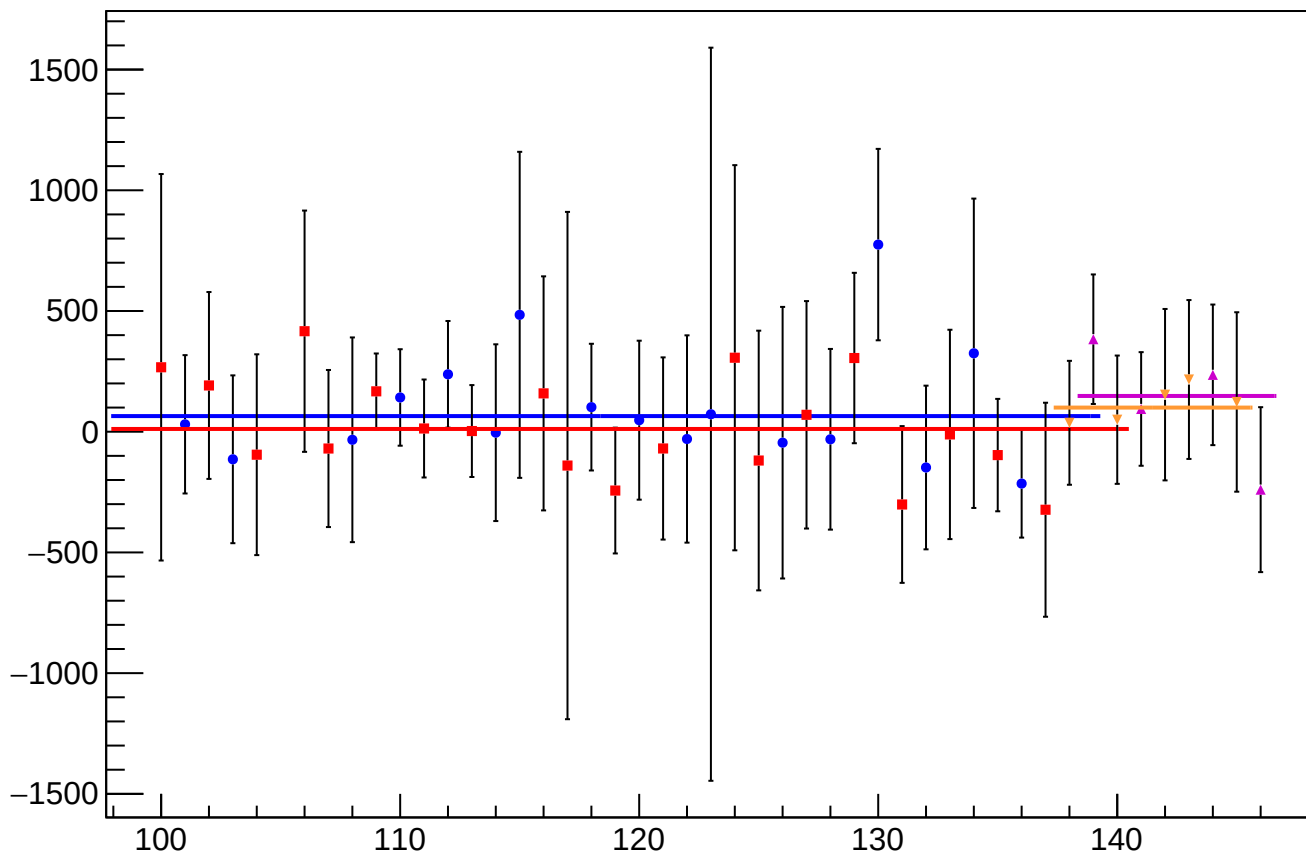
Left In: 243.106 $\pm$ 0.098 χ^2/NDF :128340.9/3

207.184 $\pm$ 0.049 χ^2/NDF : 1331786.2/21

196.522 $\pm$ 0.033 χ^2/NDF : 3524463.4/45

187.634 $\pm$ 0.044 χ^2/NDF : 2104156.6/23

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 64.733 $\pm$ 79.399 χ^2 /NDF: 7.0/16

Left Out: 99.943 $\pm$ 136.391 χ^2 /NDF: 0.2/4

Right Out: 11.414 $\pm$ 70.204 χ^2 /NDF: 5.8/19

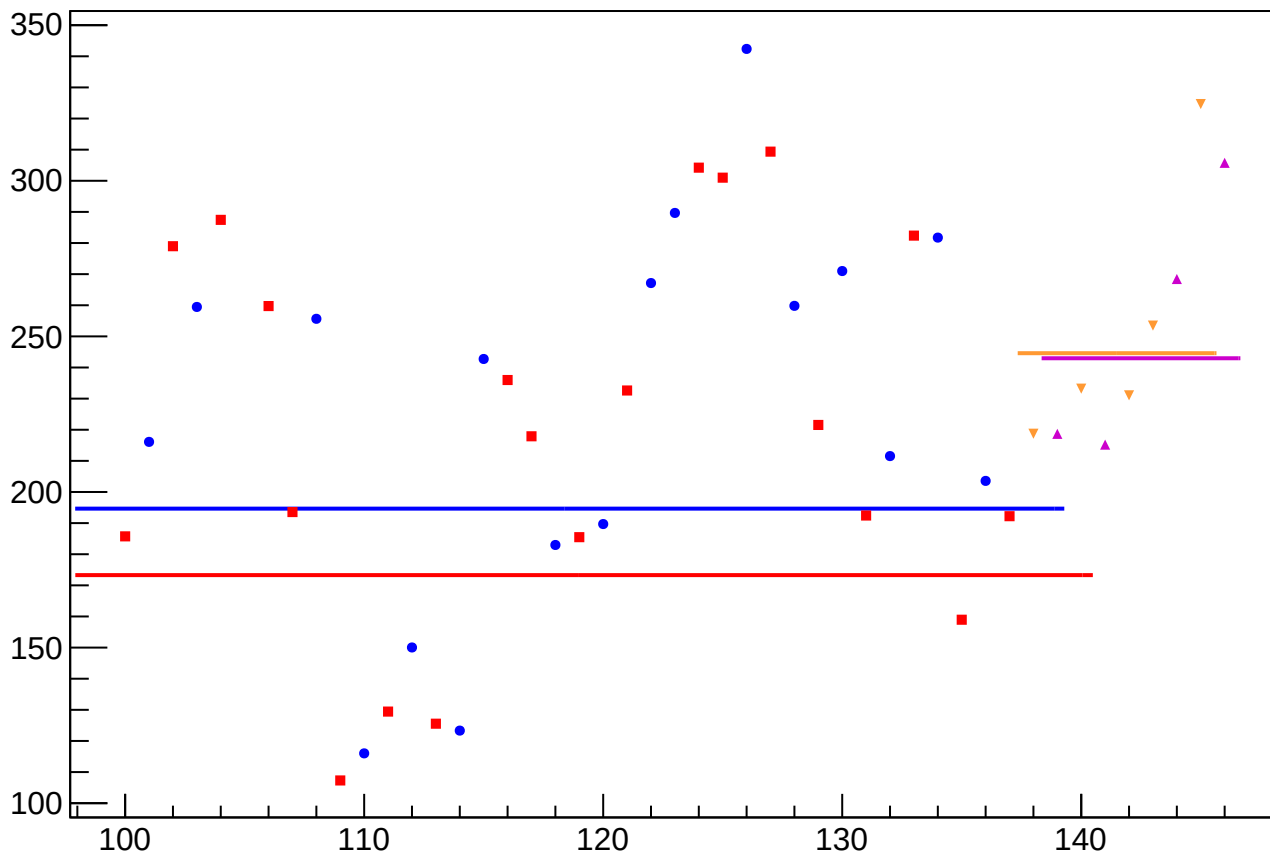
Left In: 148.102 $\pm$ 138.249 χ^2 /NDF: 2.2/3

73.645 $\pm$ 68.619 χ^2 /NDF: 7.3/21

54.973 $\pm$ 46.245 χ^2 /NDF: 16.3/45

39.436 $\pm$ 62.595 χ^2 /NDF: 8.8/23

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.652+/-0.056 χ^2/NDF : 986798.9/16

Left Out: 244.598+/-0.096 χ^2/NDF :121188.5/4

Right Out: 173.289+/-0.050 χ^2/NDF : 1548162.6/19

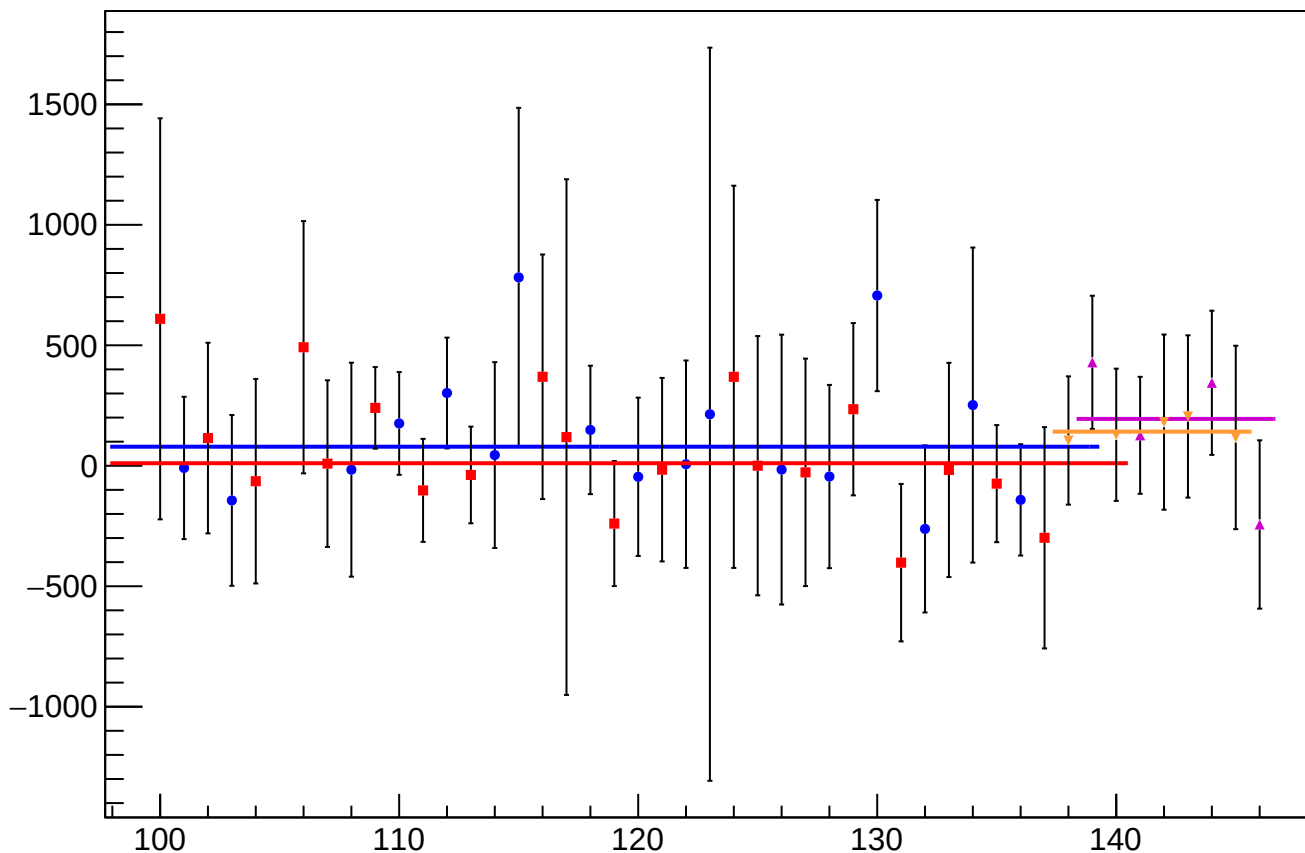
Left In: 242.971+/-0.098 χ^2/NDF :127117.9/3

207.294+/-0.049 χ^2/NDF : 1308307.1/21

196.531+/-0.033 χ^2/NDF : 3477679.1/45

187.574+/-0.044 χ^2/NDF : 2079215.8/23

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 79.128 $\pm$ 81.874 χ^2 /NDF: 7.5/16

Left Out: 141.568 $\pm$ 140.479 χ^2 /NDF:0.1/4

Right Out: 10.491 $\pm$ 73.139 χ^2 /NDF: 7.9/19

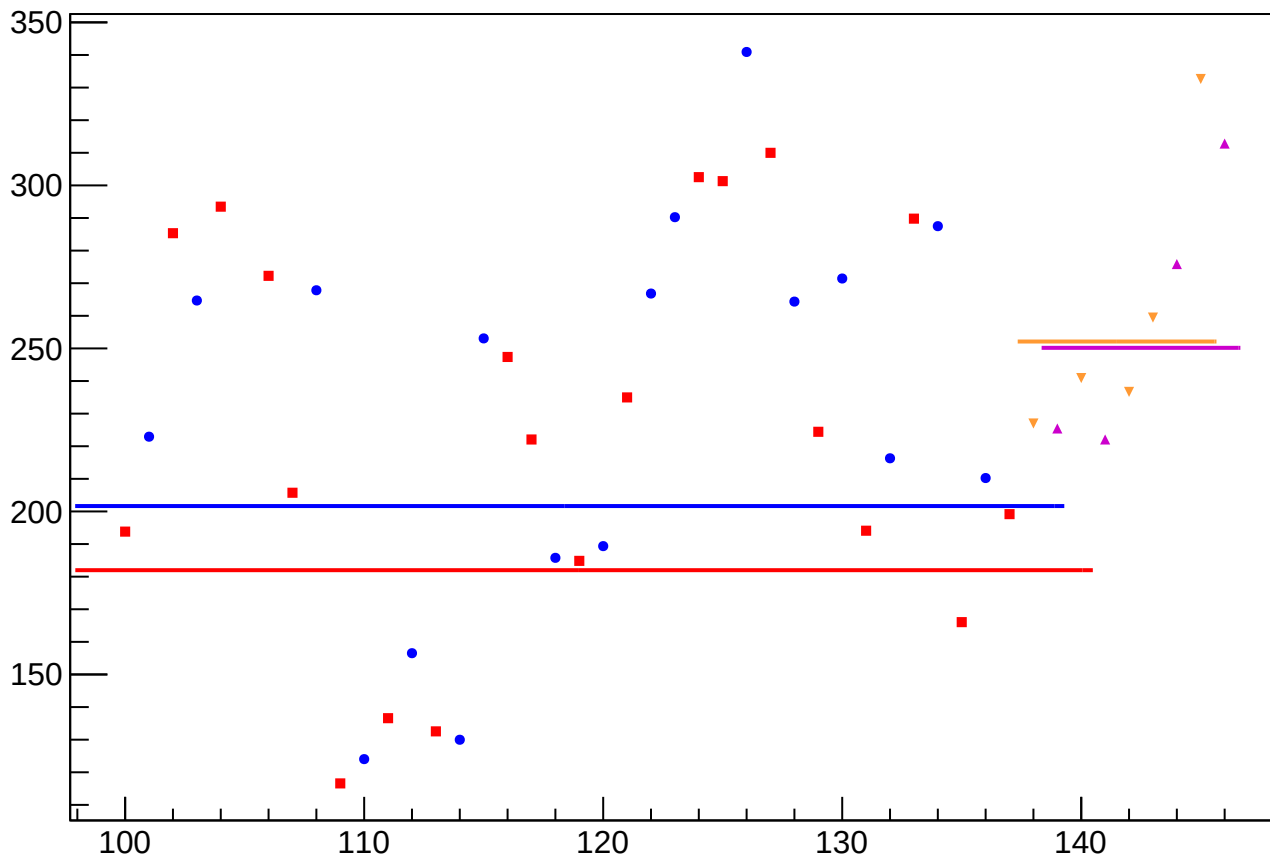
Left In: 194.488 $\pm$ 142.241 χ^2 /NDF:2.6/3

94.960 $\pm$ 70.737 χ^2 /NDF: 7.7/21

70.038 $\pm$ 47.879 χ^2 /NDF: 19.8/45

48.966 $\pm$ 65.044 χ^2 /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: 252.116 $\pm$ 0.099 χ^2 /NDF:115224.3/4

Right Out: 181.986 $\pm$ 0.052 χ^2 /NDF: 1380269.0/19

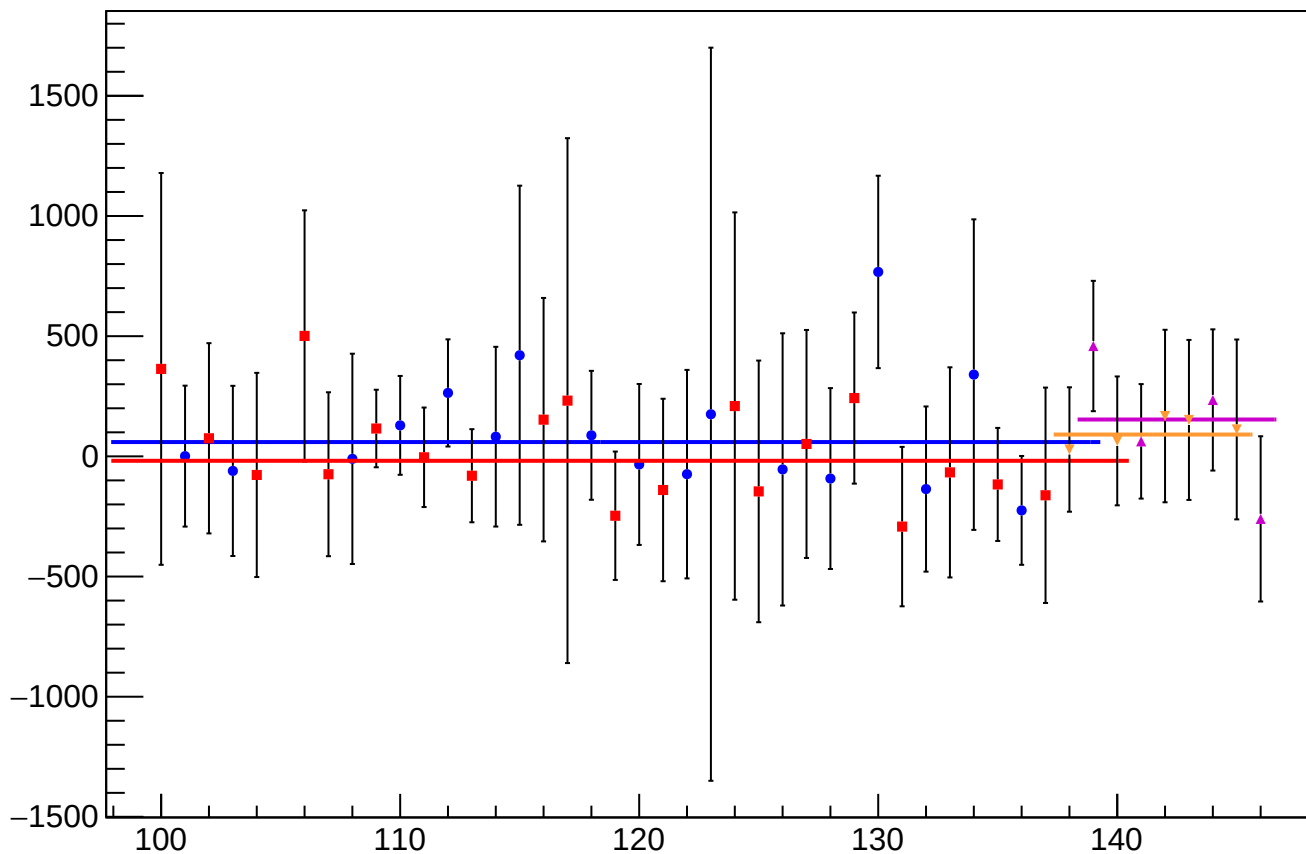
Left In: 250.181 $\pm$ 0.101 χ^2 /NDF:121906.4/3

214.449 $\pm$ 0.050 χ^2 /NDF: 1191032.7/21

204.585 $\pm$ 0.034 χ^2 /NDF: 3128565.2/45

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: 90.786 $\pm$ 137.657 χ^2 /NDF: 0.2/4

Right Out: -18.457 $\pm$ 71.711 χ^2 /NDF: 4.8/19

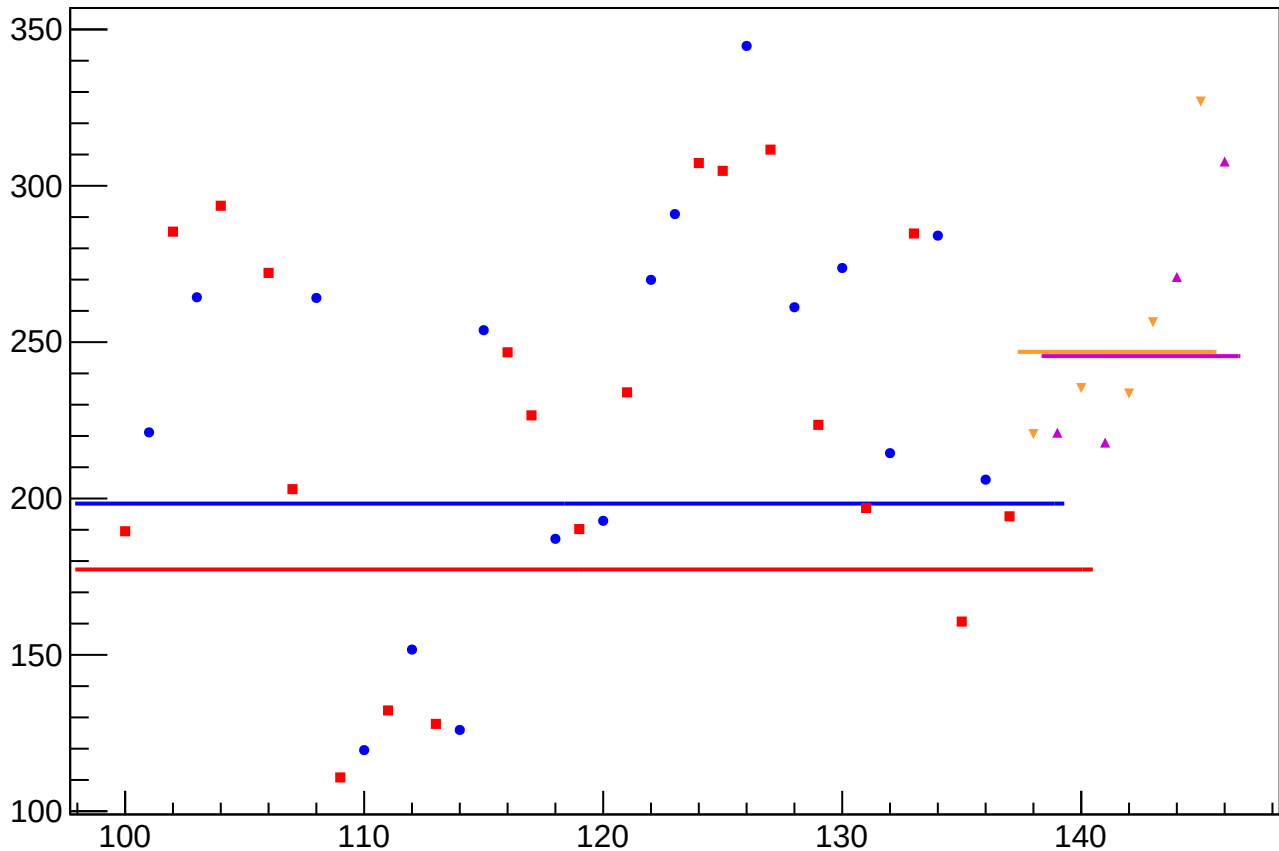
Left In: 153.326 $\pm$ 139.651 χ^2 /NDF: 2.9/3

67.515 $\pm$ 69.688 χ^2 /NDF: 7.2/21

40.241 $\pm$ 47.054 χ^2 /NDF: 16.4/45

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: 246.900 $\pm$ 0.097 χ^2/NDF :120242.2/4

Right Out: 177.309 $\pm$ 0.051 χ^2/NDF : 1528855.2/19

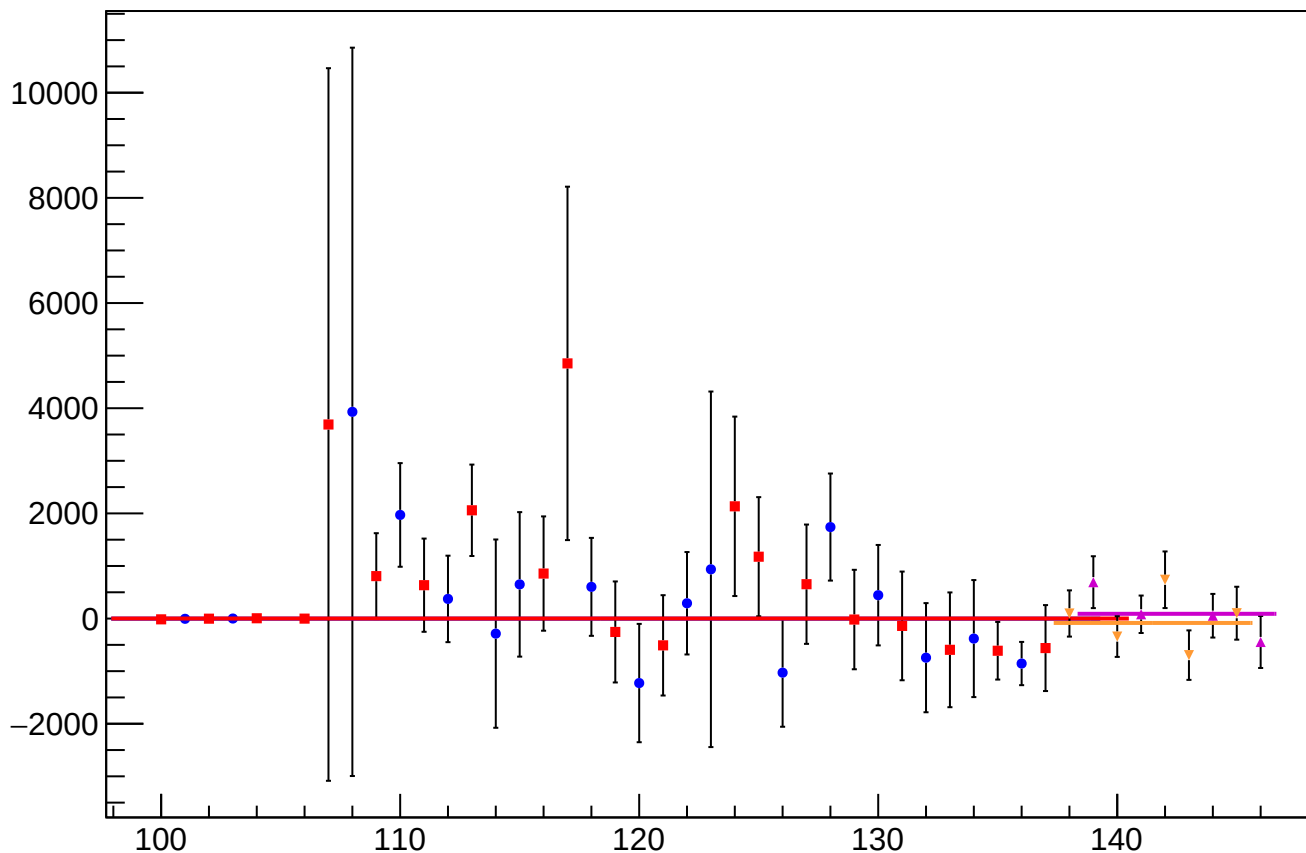
Left In: 245.535 $\pm$ 0.099 χ^2/NDF :123624.1/3

210.814 $\pm$ 0.049 χ^2/NDF : 1268719.5/21

200.330 $\pm$ 0.033 χ^2/NDF : 3382130.1/45

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: -83.232 ± 205.071 χ^2/NDF : 4.8/4

Right Out: 0.728 ± 2.111 χ^2/NDF : 21.4/19

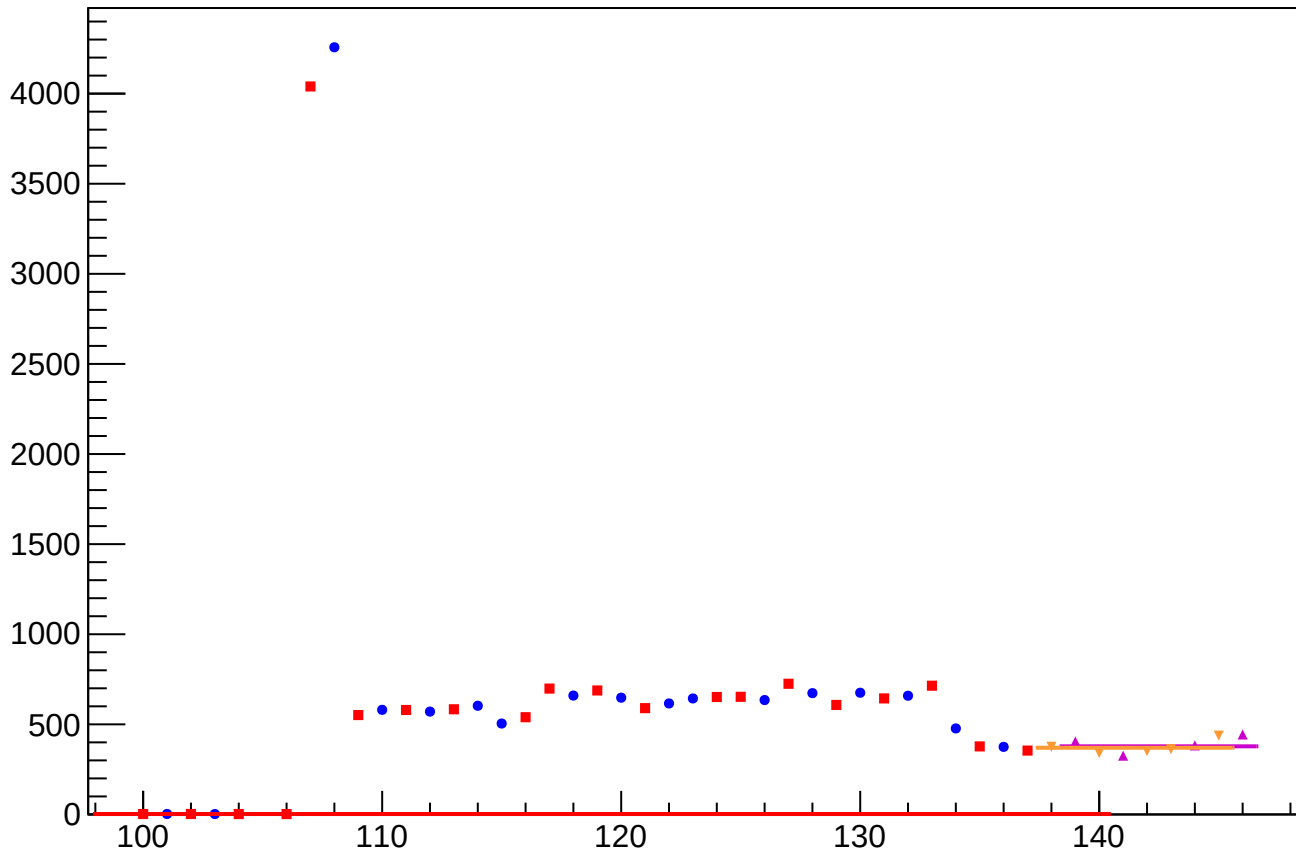
Left In: 90.515 ± 213.698 χ^2/NDF : 2.7/3

-1.539 ± 2.251 χ^2/NDF : 21.9/21

-0.328 ± 1.540 χ^2/NDF : 46.7/45

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: 370.140+/-0.145 χ^2/NDF : 50465.6/4

Right Out: 2.437+/-0.001 χ^2/NDF : 11233207.9/19

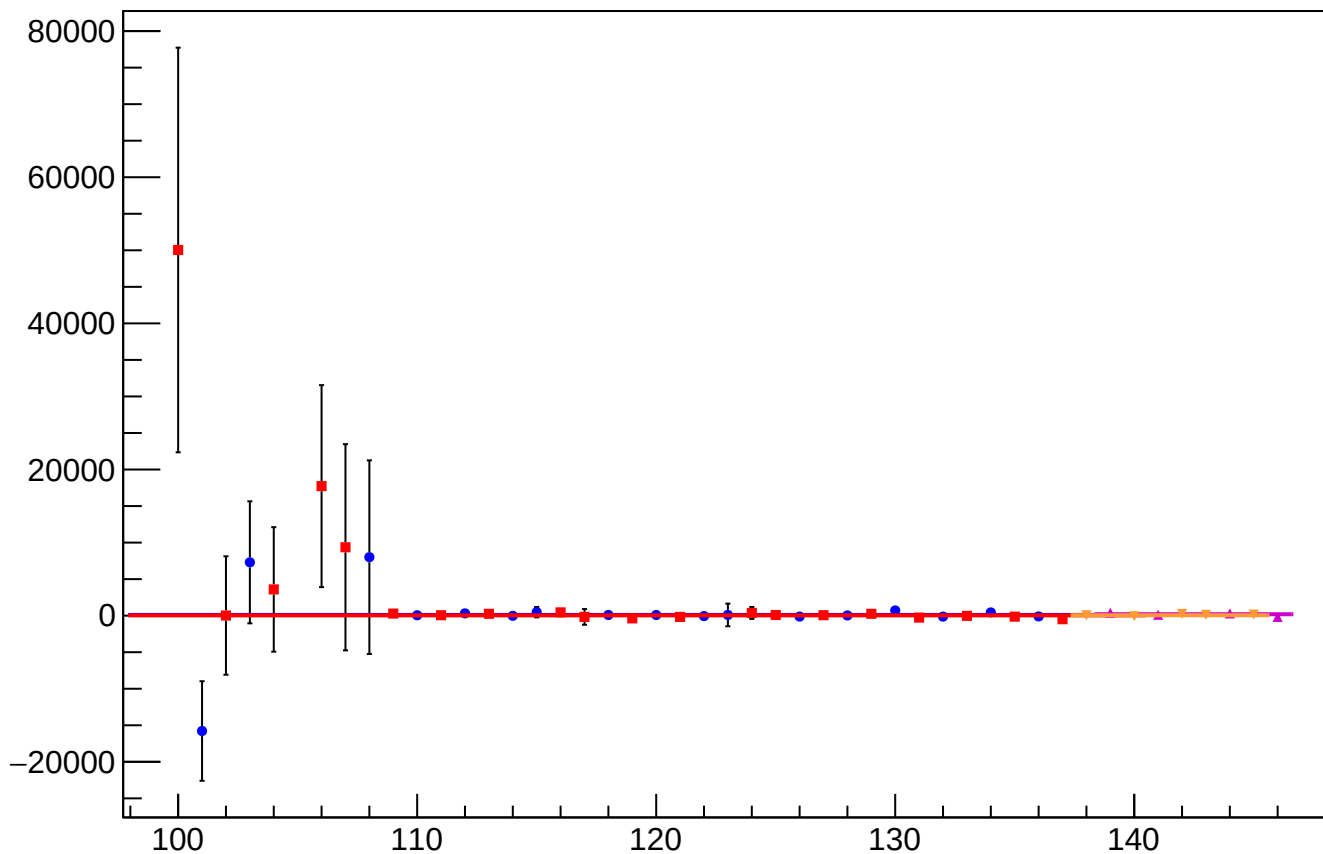
Left In: 378.111+/-0.151 χ^2/NDF : 83950.0/3

2.501+/-0.002 χ^2/NDF : 17326873.9/21

2.486+/-0.001 χ^2/NDF : 34824471.5/45

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: 57.882+/-142.589 χ^2/NDF : 0.5/4

Right Out: 41.024+/-84.237 χ^2/NDF : 13.9/19

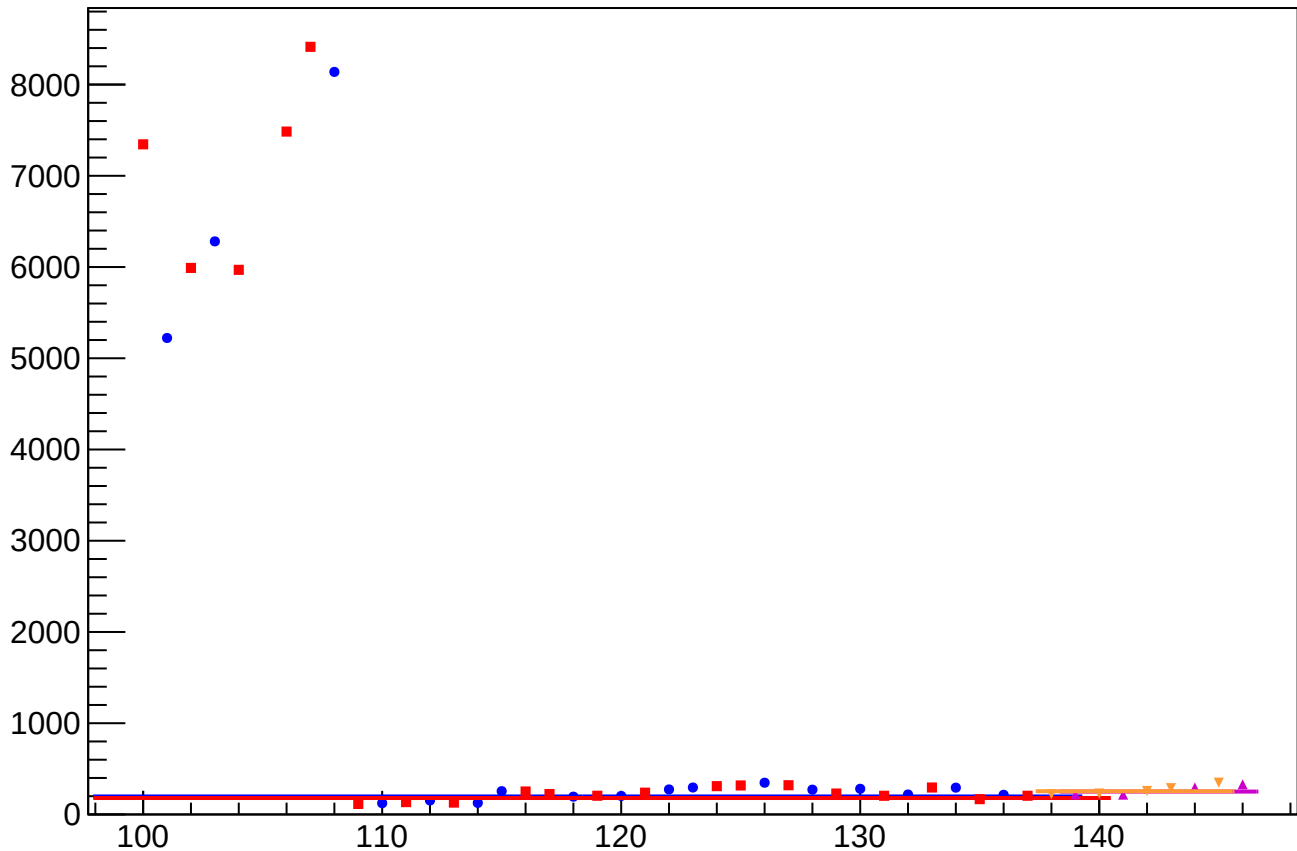
Left In: 195.764+/-143.555 χ^2/NDF : 1.8/3

86.872+/-76.625 χ^2/NDF : 12.5/21

83.600+/-52.722 χ^2/NDF : 29.1/45

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: 254.409+/-0.101 χ^2/NDF :178015.7/4

Right Out: 180.217+/-0.060 χ^2/NDF : 4324457.3/19

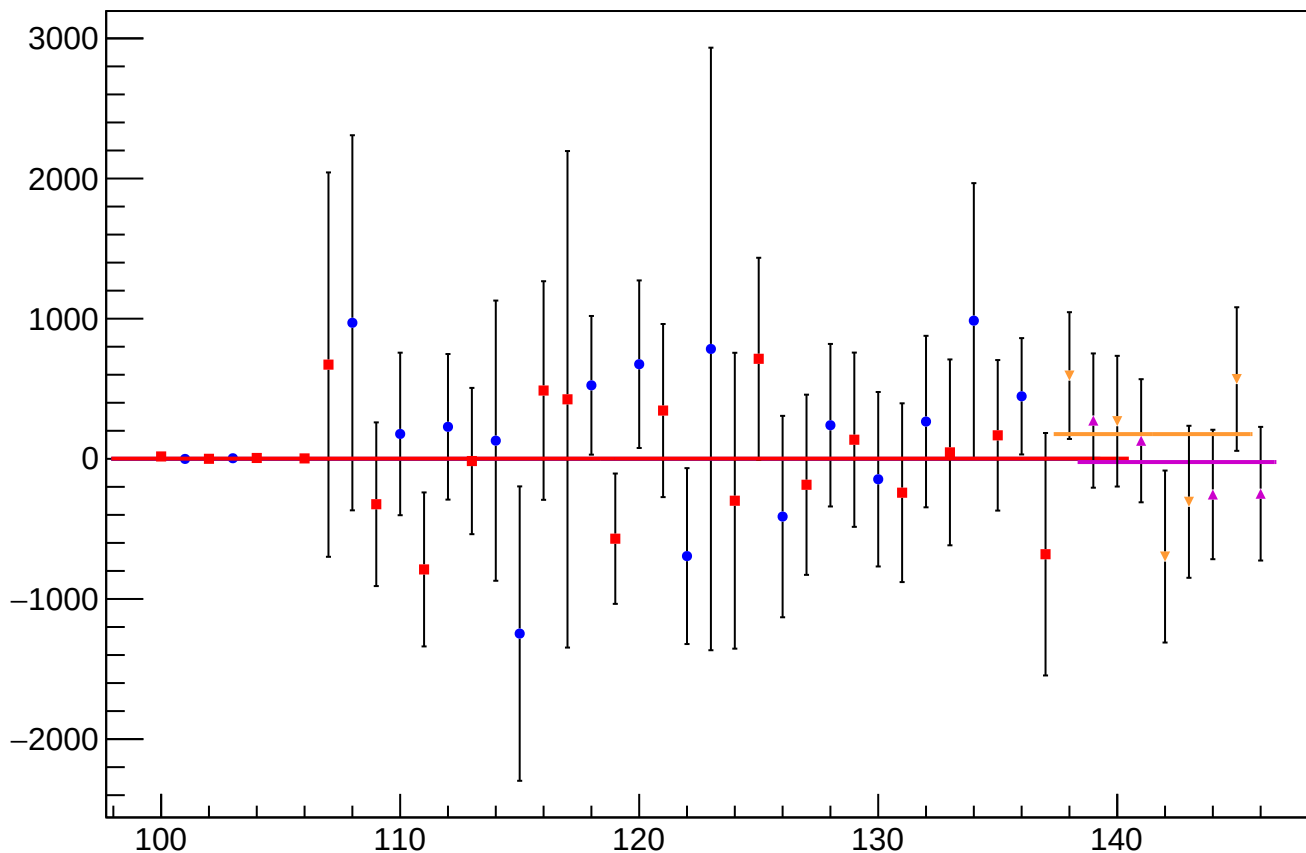
Left In: 250.697+/-0.102 χ^2/NDF :199133.1/3

213.640+/-0.054 χ^2/NDF : 4101518.8/21

205.546+/-0.037 χ^2/NDF : 9026090.7/45

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: 176.380 ± 227.311 χ^2/NDF : 4.3/4

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.7/19

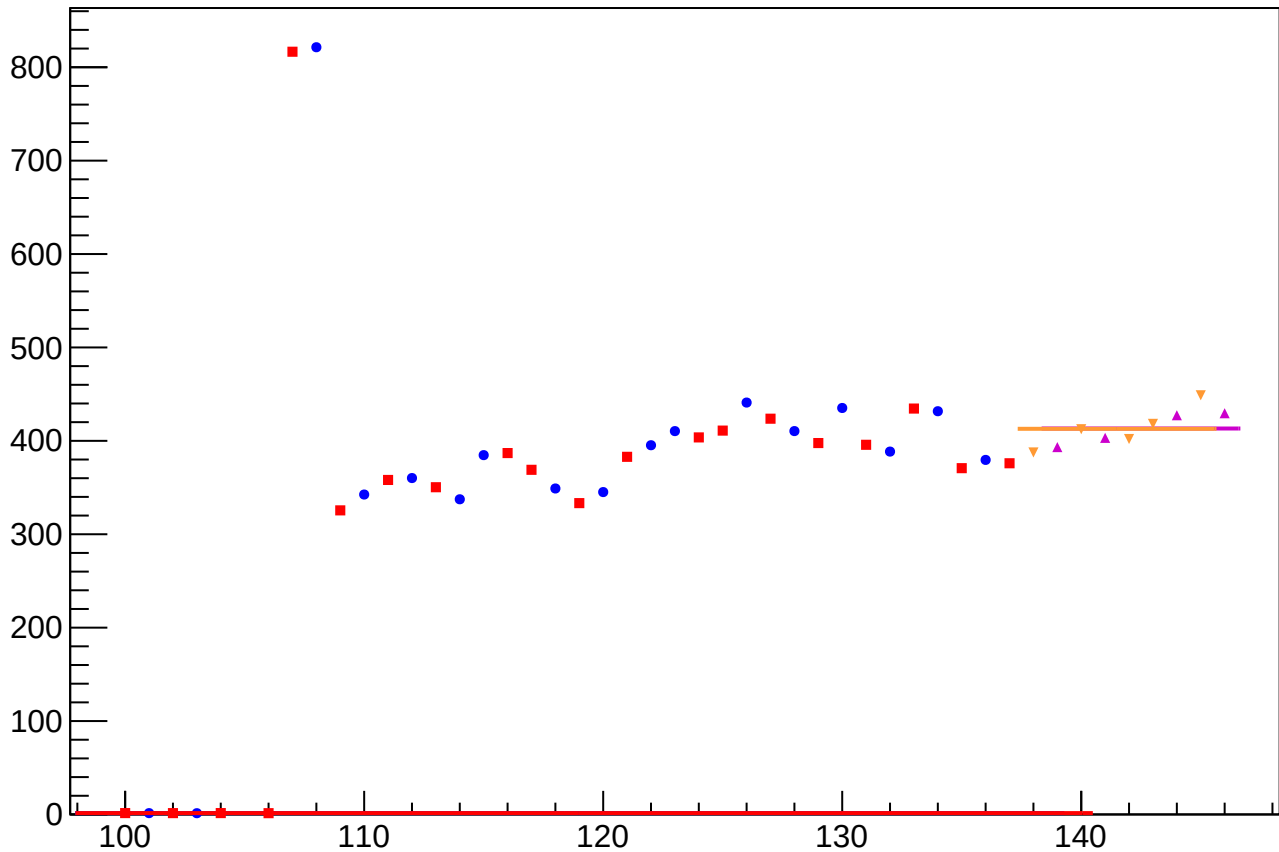
Left In: -23.057 ± 231.689 χ^2/NDF : 1.0/3

-0.128 ± 1.737 χ^2/NDF : 14.6/21

0.647 ± 1.186 χ^2/NDF : 25.7/45

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: 412.892 ± 0.161 χ^2/NDF : 16900.9/4

Right Out: 1.451 ± 0.001 χ^2/NDF : 10966832.6/19

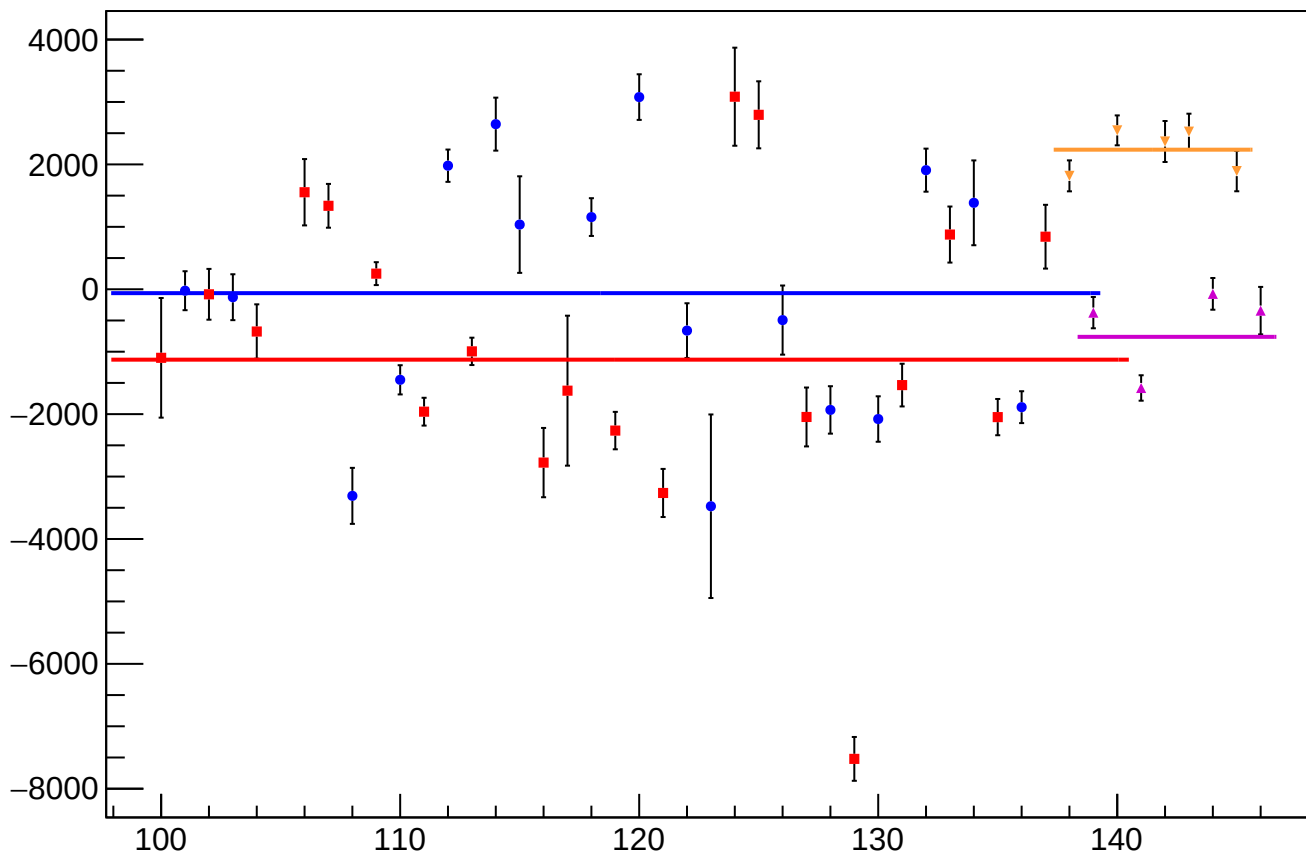
Left In: 413.210 ± 0.164 χ^2/NDF : 8729.7/3

1.477 ± 0.001 χ^2/NDF : 17526893.8/21

1.474 ± 0.001 χ^2/NDF : 34819044.8/45

1.472 ± 0.001 χ^2/NDF : 17292141.2/23

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -62.164 ± 87.424 χ^2/NDF : 433.9/16

Left Out: 2235.932 ± 124.442 χ^2/NDF : 6.8/4

Right Out: -1127.552 ± 78.203 χ^2/NDF : 671.4/19

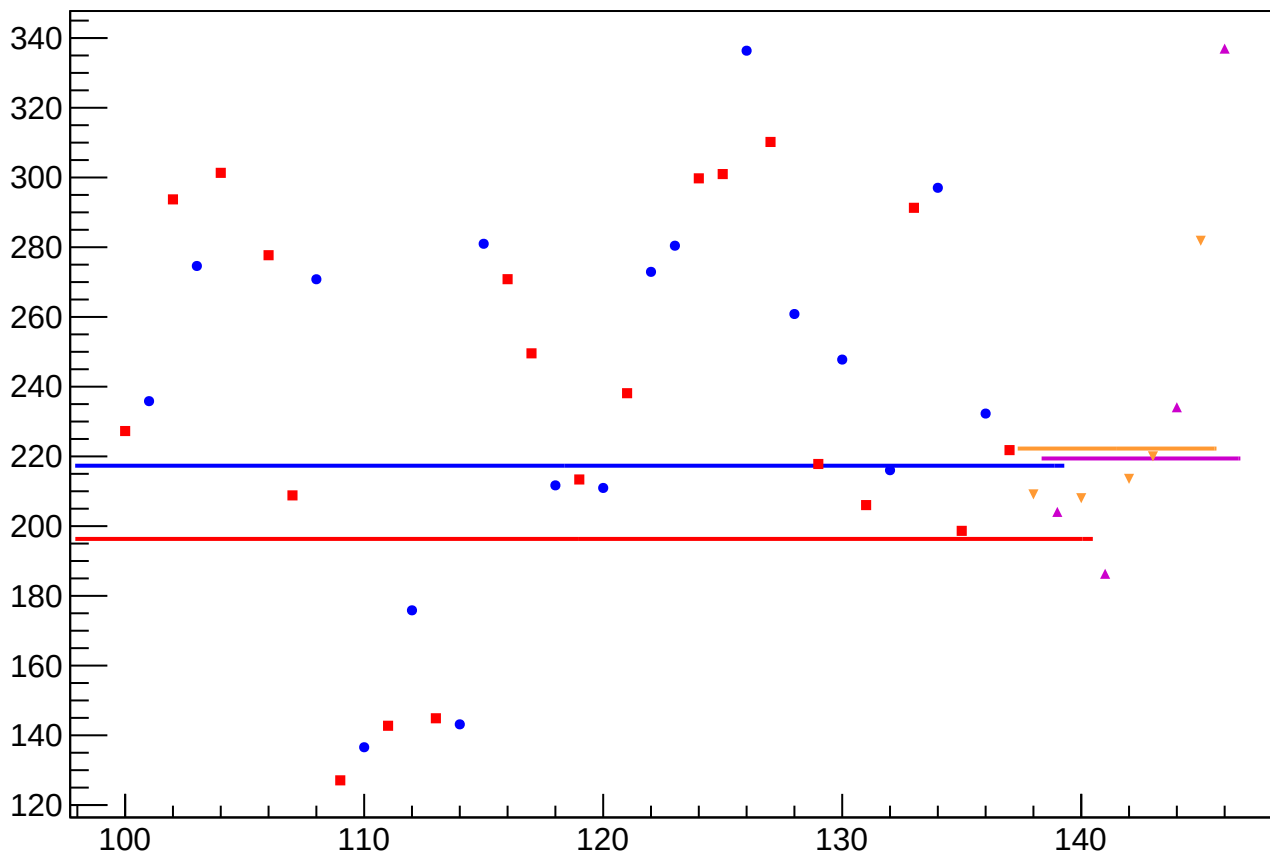
Left In: -762.014 ± 126.559 χ^2/NDF : 27.1/3

697.240 ± 71.535 χ^2/NDF : 669.1/21

-227.102 ± 48.716 χ^2/NDF : 1685.0/45

-1026.547 ± 66.527 χ^2/NDF : 704.5/23

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.330 $\pm$ 0.062 χ^2/NDF : 652722.5/16

Left Out: 222.252 $\pm$ 0.088 χ^2/NDF : 82065.3/4

Right Out: 196.332 $\pm$ 0.055 χ^2/NDF : 1194678.0/19

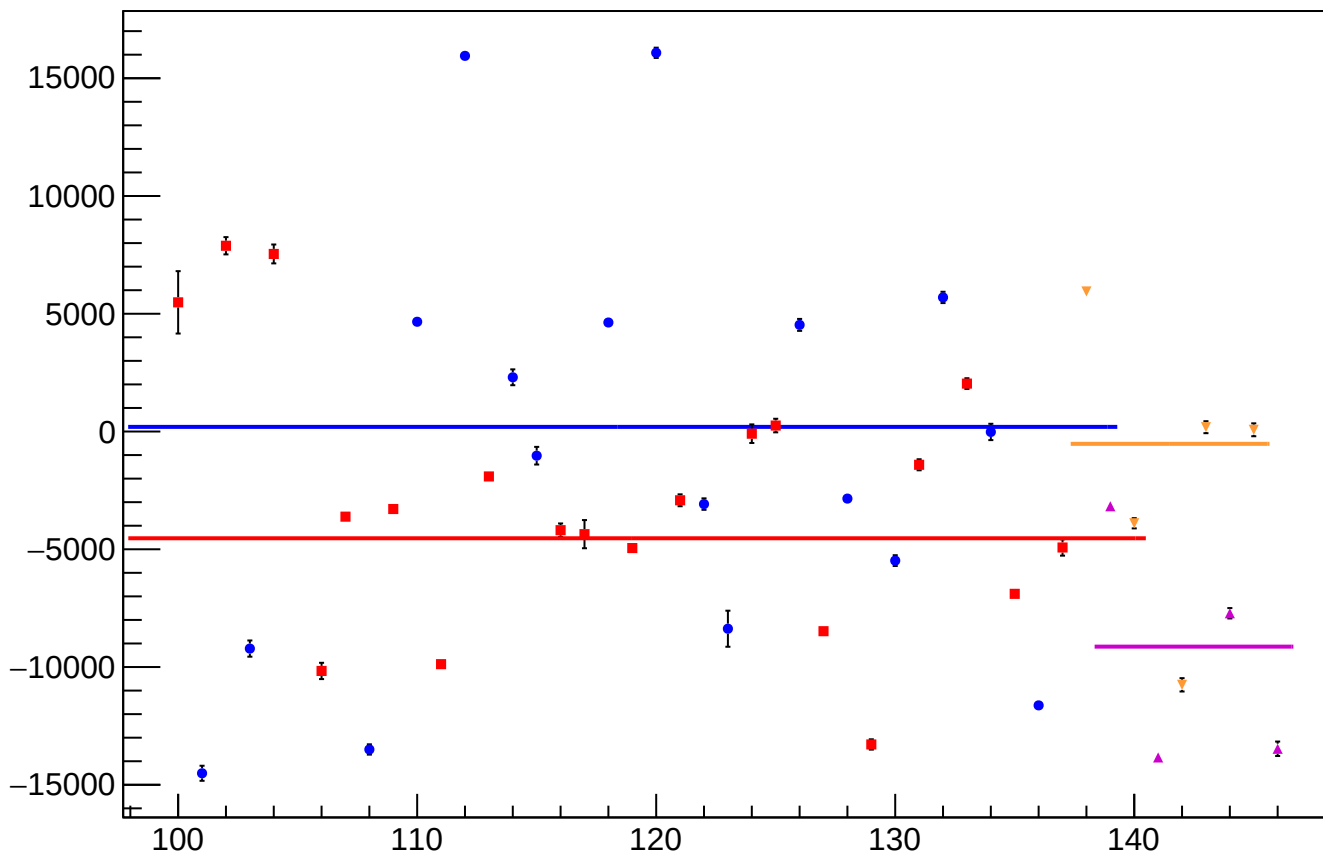
Left In: 219.404 $\pm$ 0.089 χ^2/NDF : 258092.8/3

218.956 $\pm$ 0.051 χ^2/NDF : 736882.8/21

210.243 $\pm$ 0.034 χ^2/NDF : 2293091.9/45

202.707 $\pm$ 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: -523.086+/-105.330 χ^2/NDF : 2720.8/4

Right Out: -4532.856+/-52.261 χ^2/NDF : 7477.3/19

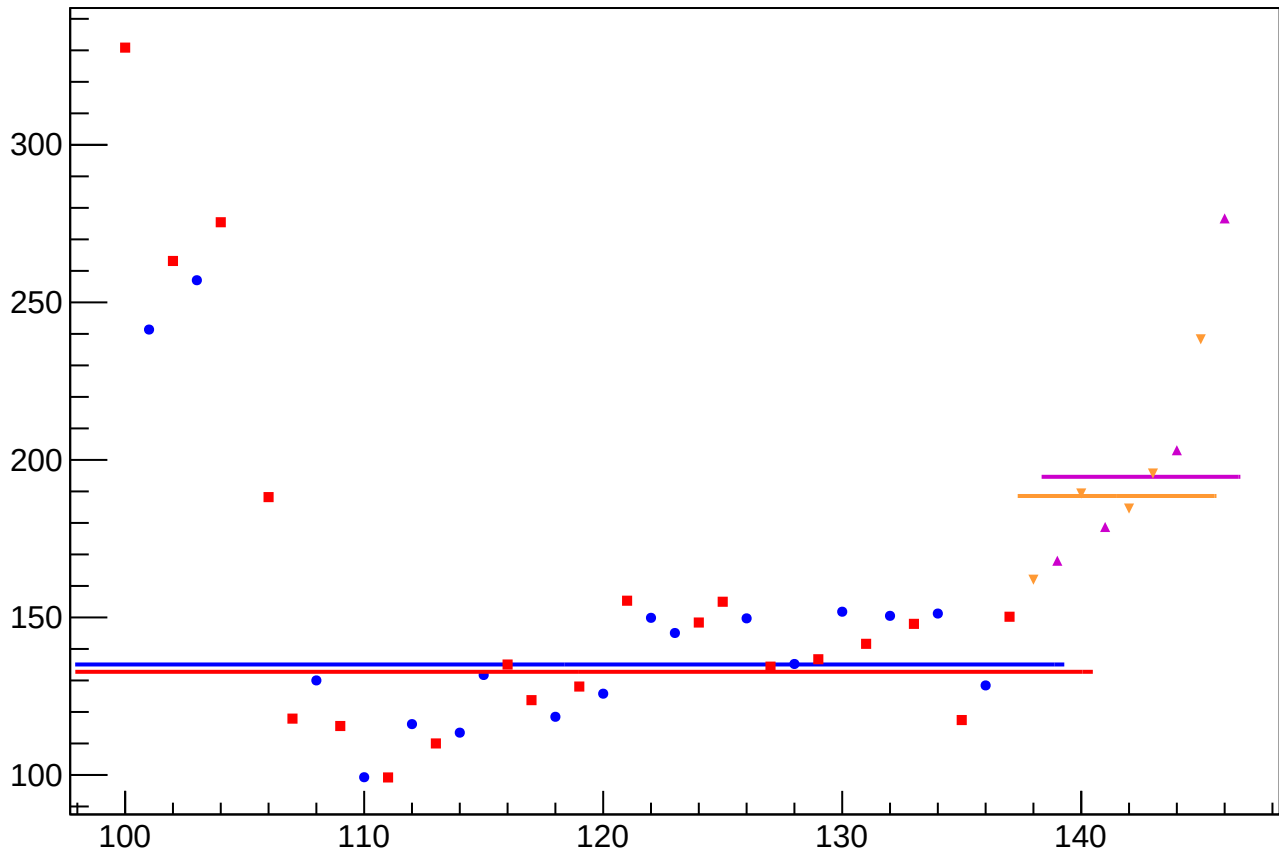
Left In: -9133.540+/-111.231 χ^2/NDF : 1654.7/3

43.620+/-48.613 χ^2/NDF : 33415.9/21

-2734.606+/-33.901 χ^2/NDF : 50307.5/45

-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: 188.548 +/- 0.074 χ^2/NDF : 106995.0/4

Right Out: 132.747 +/- 0.037 χ^2/NDF : 831647.2/19

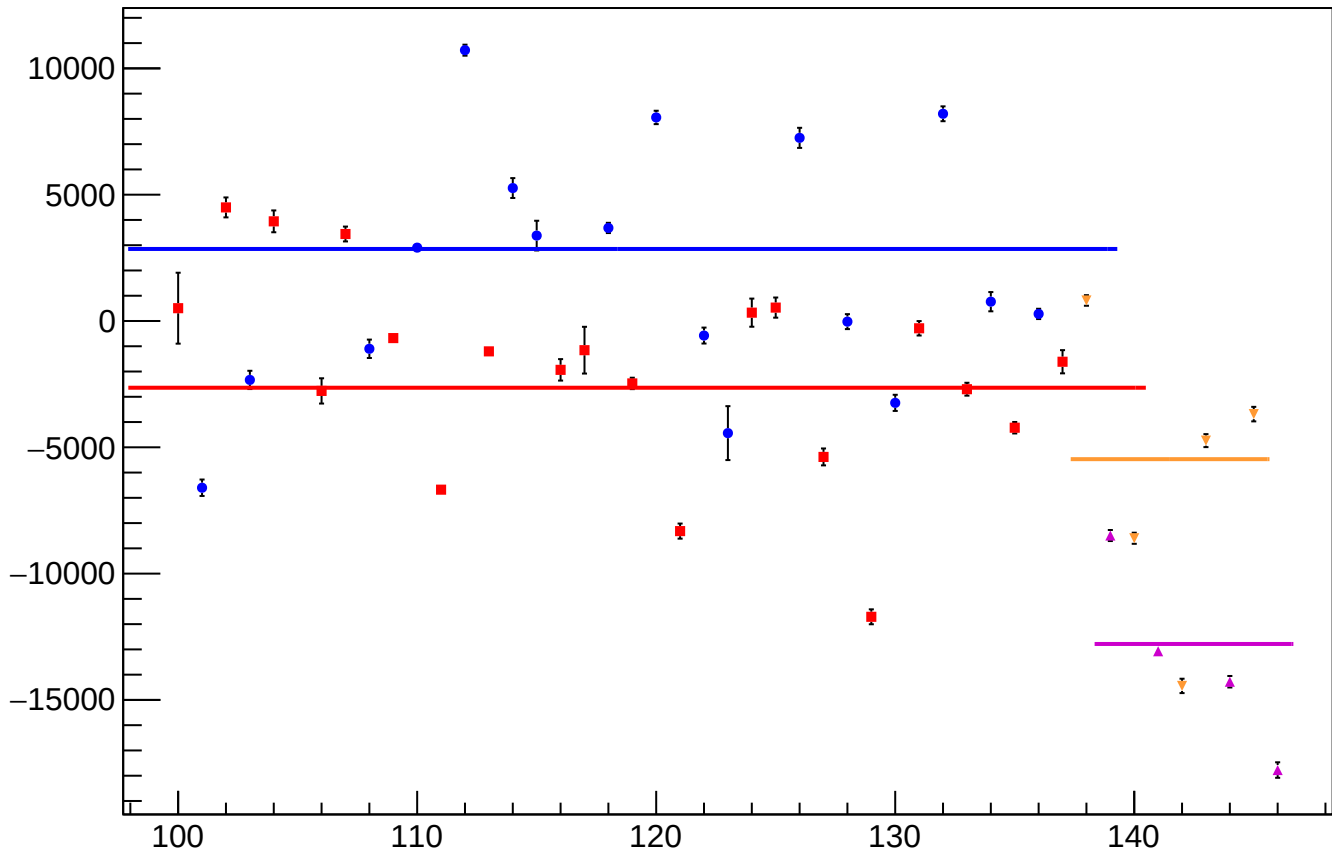
Left In: 194.641 +/- 0.079 χ^2/NDF : 192100.9/3

146.463 +/- 0.034 χ^2/NDF : 1171411.1/21

145.167 +/- 0.024 χ^2/NDF : 2705205.6/45

143.940 +/- 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: -5469.215 $\pm$ 109.726 χ^2 /NDF:2144.5/4

Right Out: -2641.642 $\pm$ 65.566 χ^2 /NDF: 3178.3/19

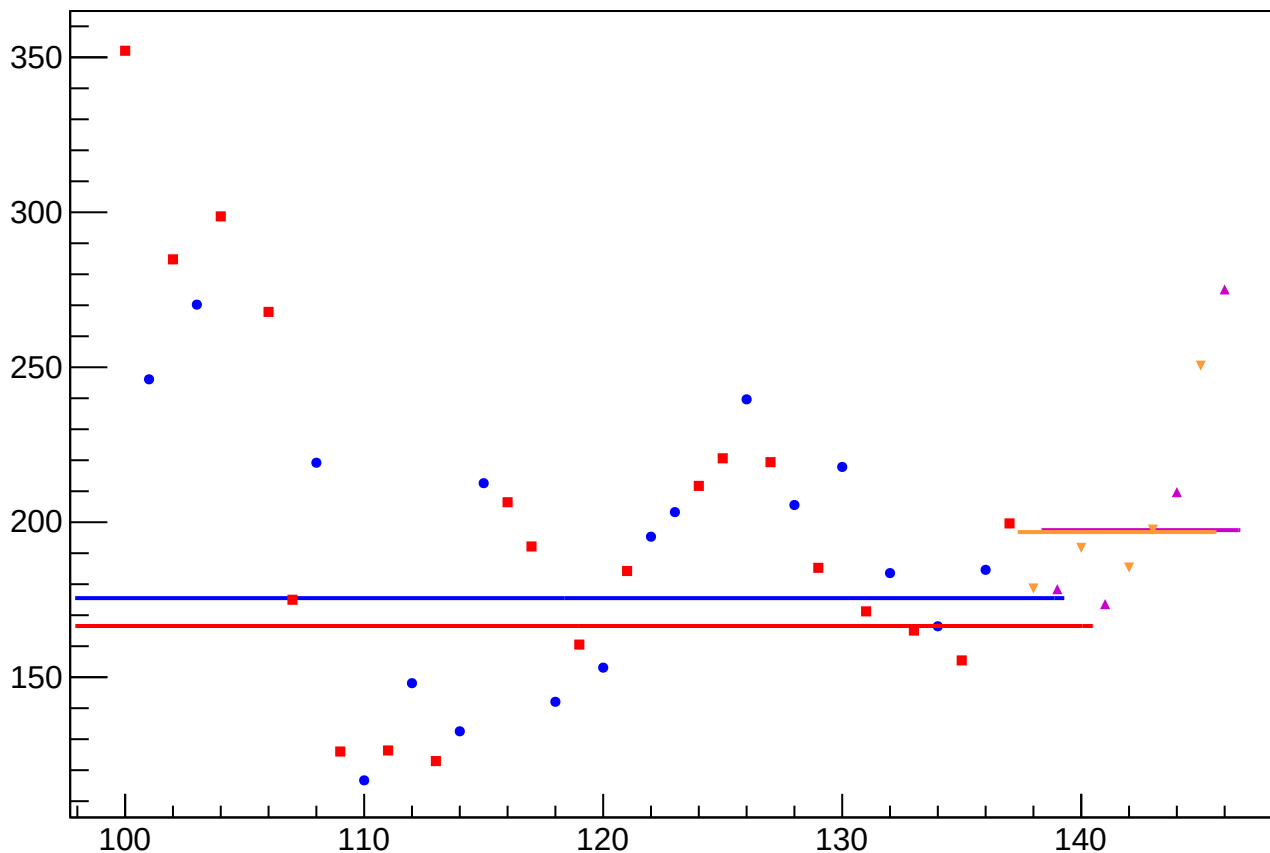
Left In: -12785.010 $\pm$ 112.761 χ^2 /NDF:695.6/3

407.823 $\pm$ 59.463 χ^2 /NDF: 10384.3/21

-2532.755 $\pm$ 41.028 χ^2 /NDF: 24973.0/45

-5204.547 $\pm$ 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: 196.822 +/- 0.078 χ^2/NDF : 89099.5/4

Right Out: 166.522 +/- 0.046 χ^2/NDF : 931079.9/19

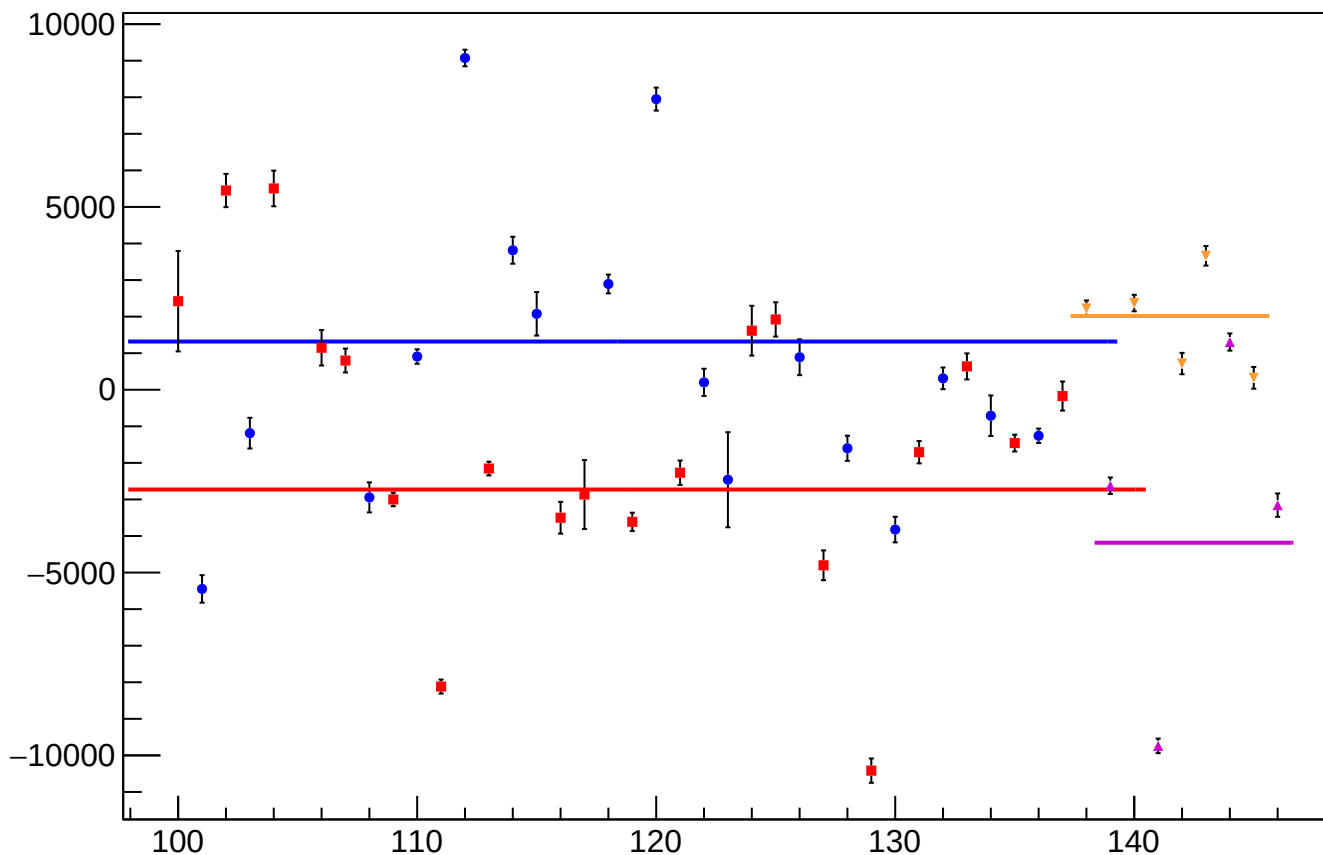
Left In: 197.453 +/- 0.080 χ^2/NDF : 180672.5/3

181.772 +/- 0.042 χ^2/NDF : 832013.6/21

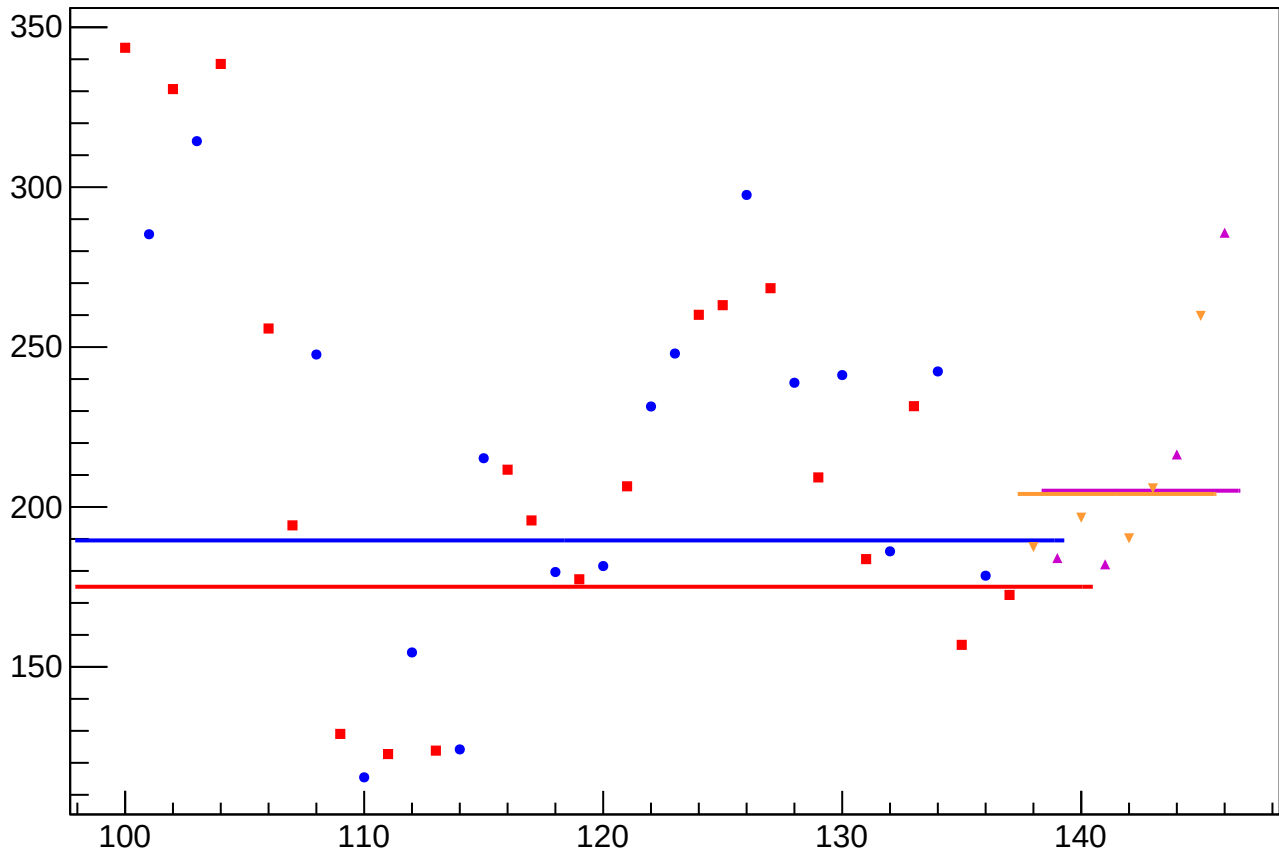
177.877 +/- 0.029 χ^2/NDF : 2072611.3/45

174.338 +/- 0.040 χ^2/NDF : 1224217.8/23

asym_bpm0i05WS_mean vs Slug, Sign Corrected



asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 189.544 +/- 0.055 χ^2/NDF : 980744.6/16

Left Out: 204.080 +/- 0.080 χ^2/NDF : 88061.7/4

Right Out: 175.058 +/- 0.049 χ^2/NDF : 1298079.7/19

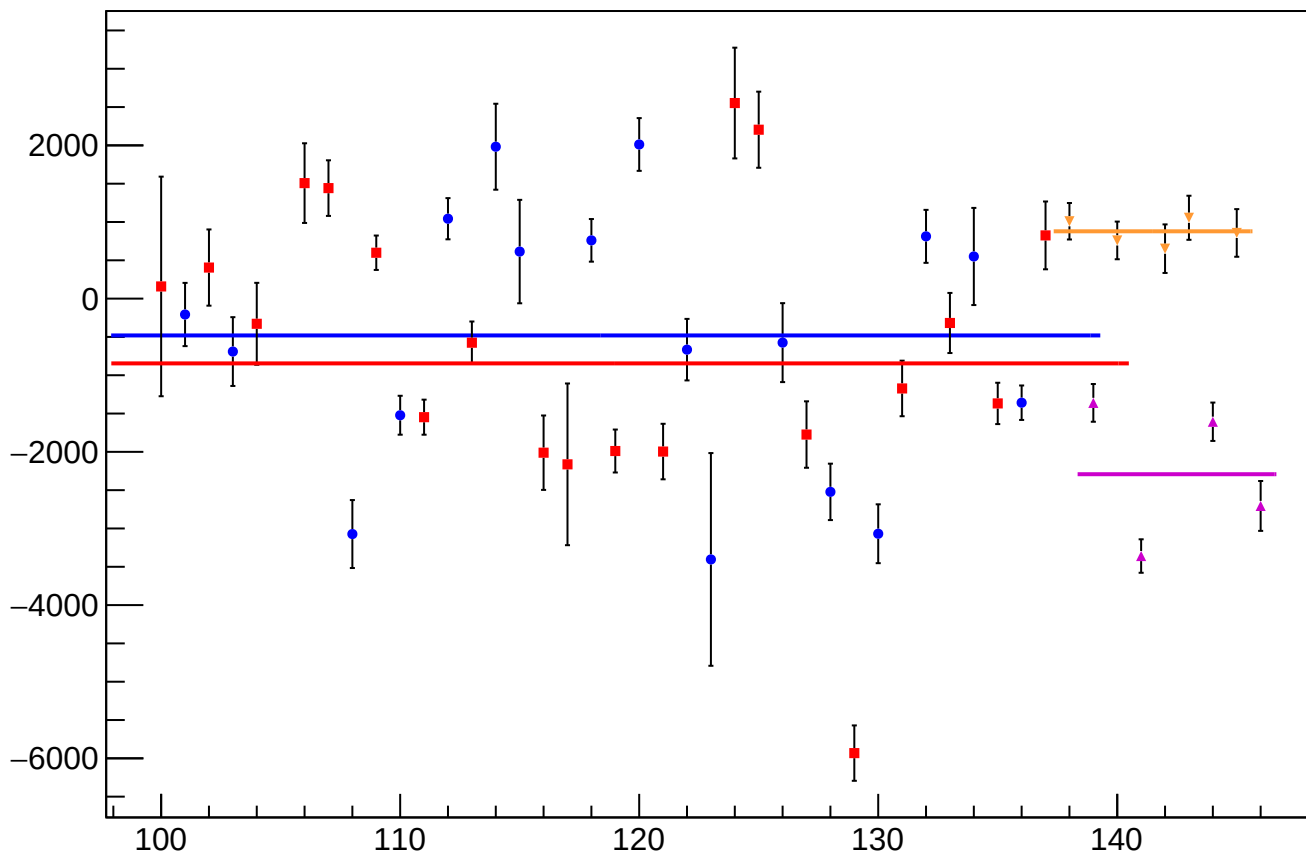
Left In: 205.089 +/- 0.083 χ^2/NDF : 176309.3/3

194.122 +/- 0.045 χ^2/NDF : 1091162.9/21

188.177 +/- 0.031 χ^2/NDF : 2695136.0/45

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: 878.528+/-122.546 χ^2/NDF : 1.4/4

Right Out: -845.444+/-81.995 χ^2/NDF : 436.9/19

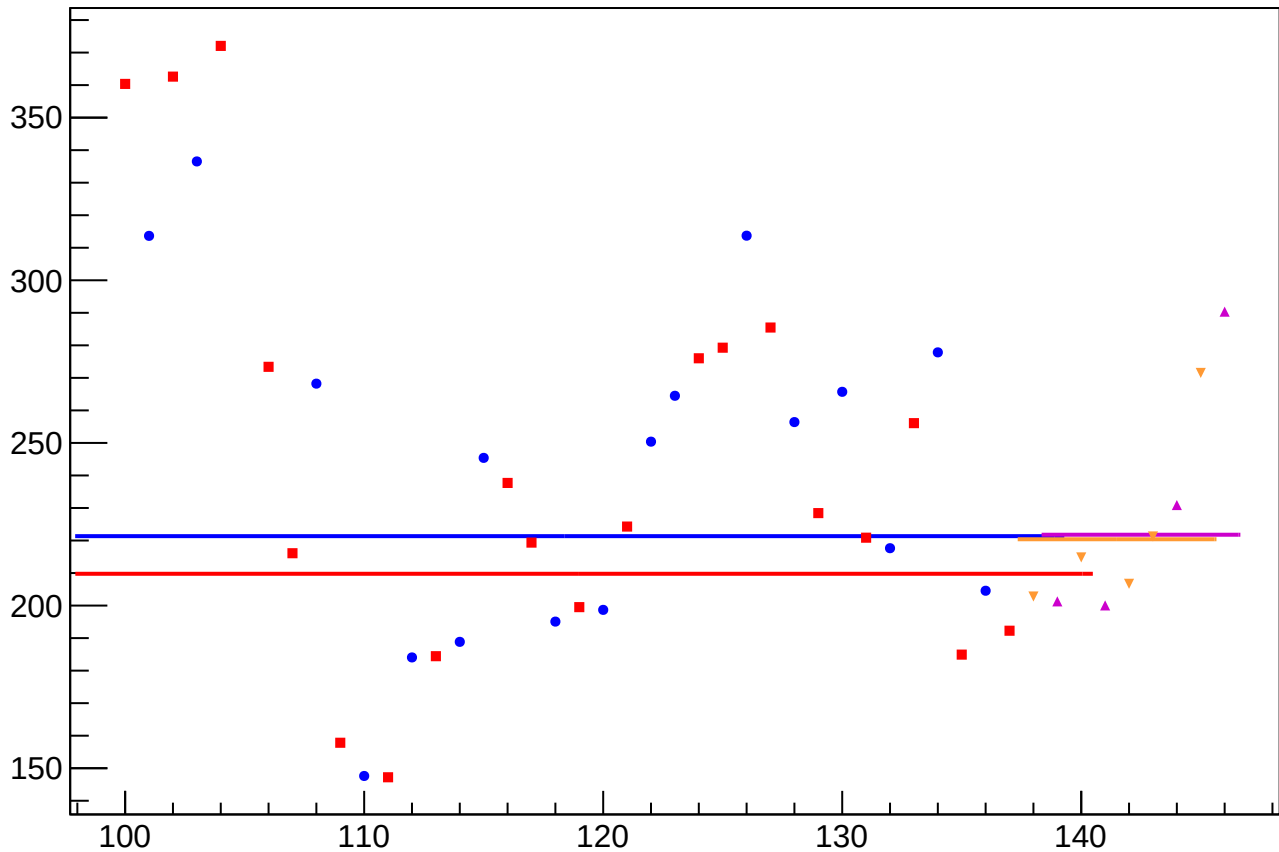
Left In: -2291.826+/-126.148 χ^2/NDF : 47.3/3

-13.746+/-71.821 χ^2/NDF : 372.9/21

-671.948+/-49.663 χ^2/NDF : 1110.4/45

-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: 220.386 $\pm$ 0.087 χ^2/NDF : 69801.2/4

Right Out: 209.775 $\pm$ 0.058 χ^2/NDF : 884083.7/19

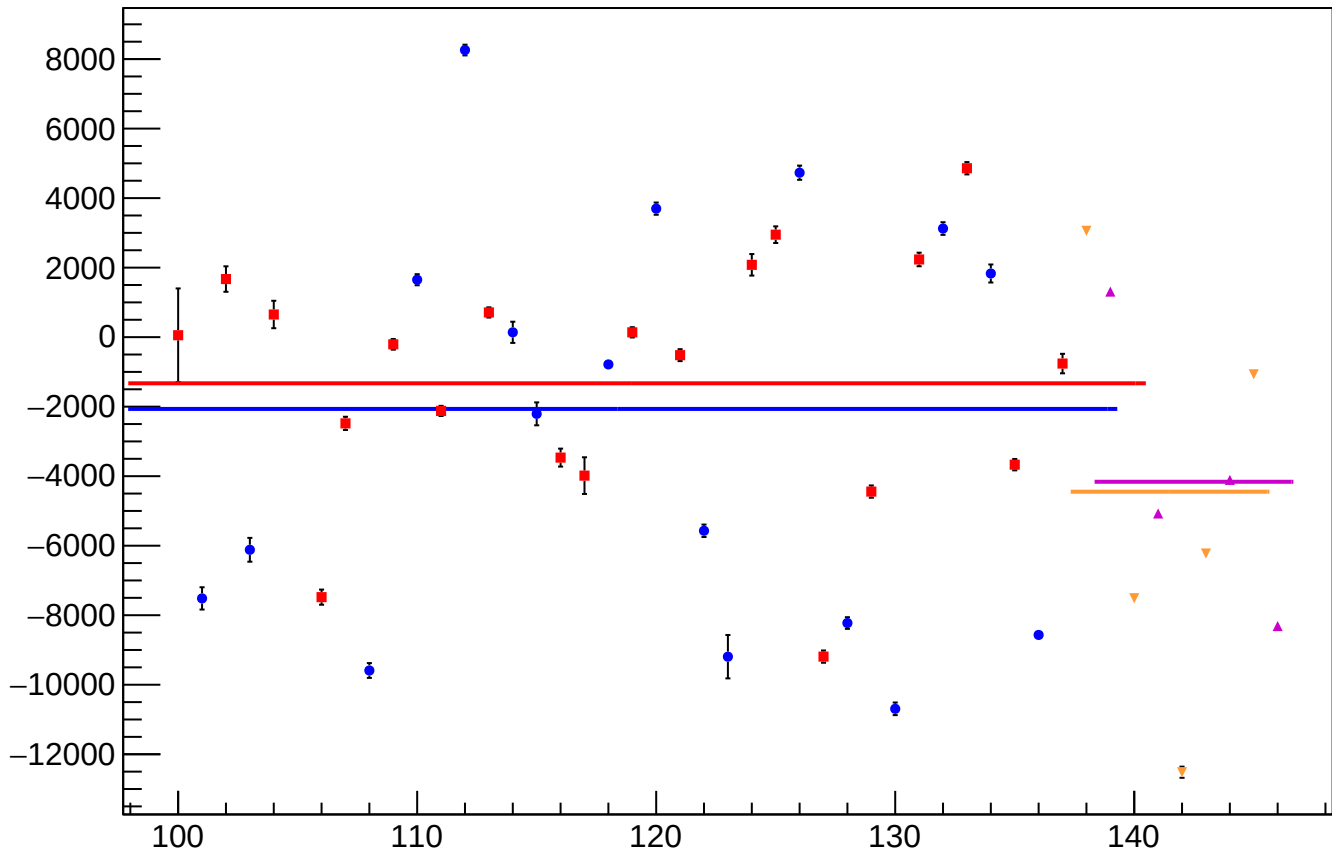
Left In: 221.780 $\pm$ 0.089 χ^2/NDF : 125080.9/3

221.014 $\pm$ 0.051 χ^2/NDF : 715569.2/21

217.009 $\pm$ 0.035 χ^2/NDF : 1749381.0/45

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: -4446.304+/-61.070 χ^2/NDF : 7225.2/4

Right Out: -1327.819+/-44.838 χ^2/NDF : 5919.9/19

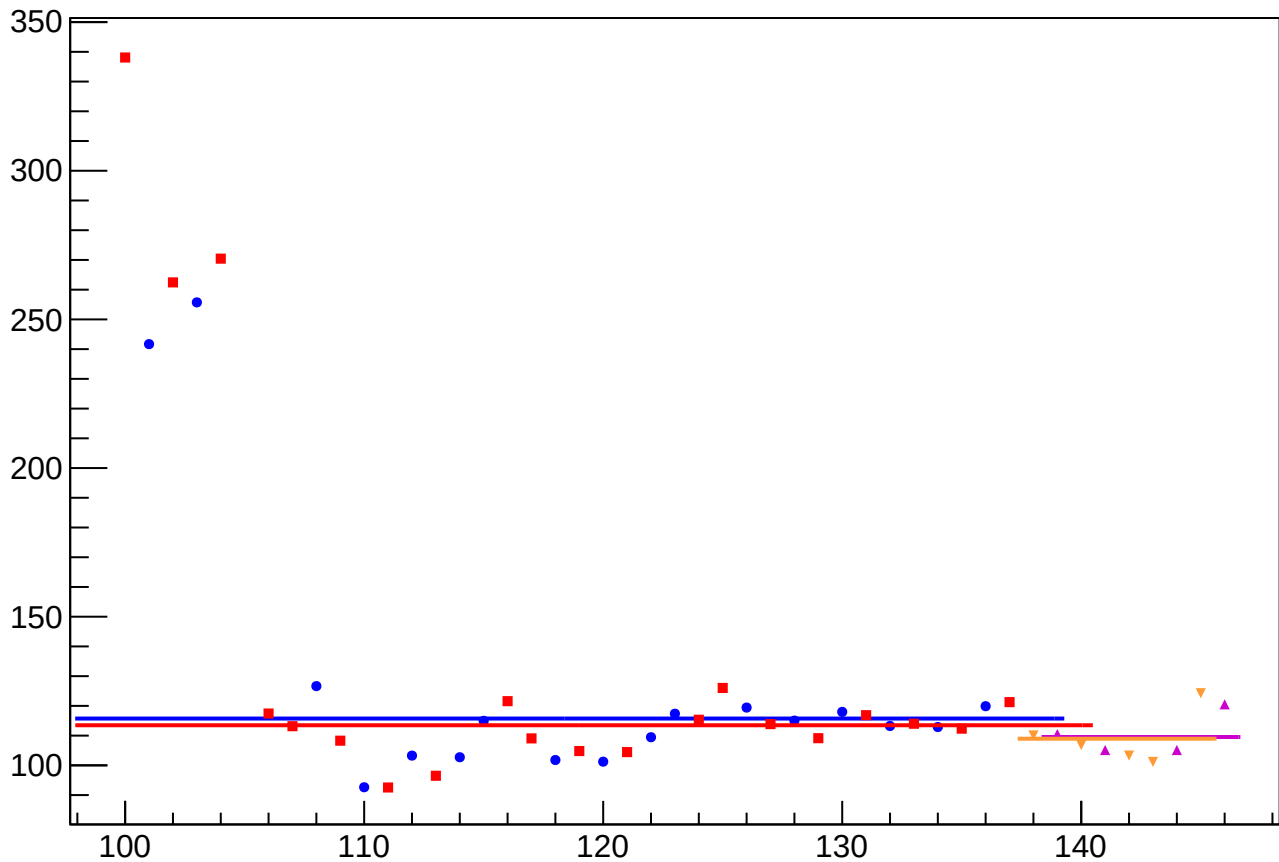
Left In: -4160.718+/-62.255 χ^2/NDF : 2603.6/3

-2958.494+/-37.406 χ^2/NDF : 24708.3/21

-2617.769+/-26.081 χ^2/NDF : 34756.7/45

-2295.416+/-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: 108.958 ± 0.043 $\chi^2/\text{NDF}: 32745.3/4$

Right Out: 113.487 ± 0.032 $\chi^2/\text{NDF}: 796781.7/19$

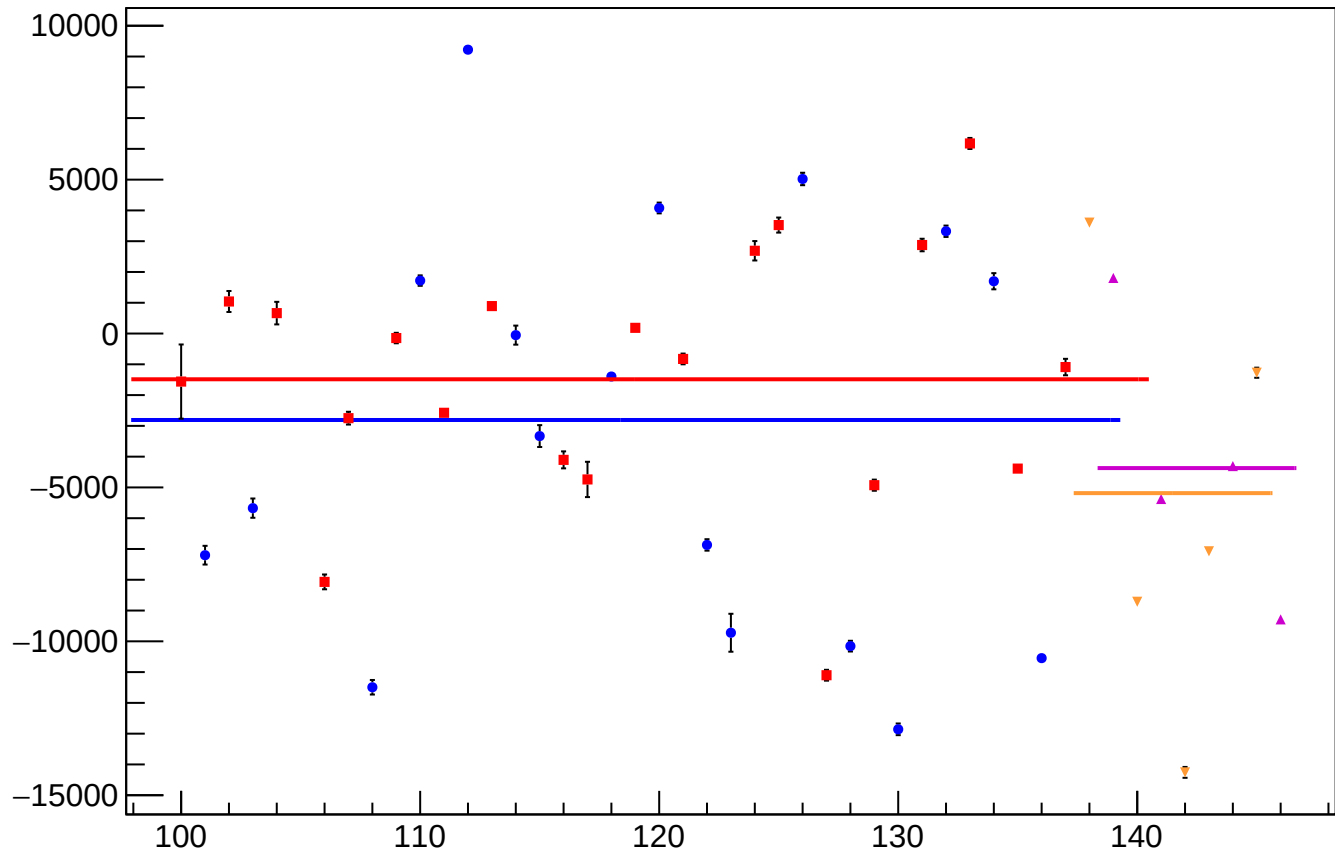
Left In: 109.533 ± 0.044 $\chi^2/\text{NDF}: 19112.9/3$

113.196 ± 0.026 $\chi^2/\text{NDF}: 792176.0/21$

112.651 ± 0.018 $\chi^2/\text{NDF}: 1614208.7/45$

112.136 ± 0.026 $\chi^2/\text{NDF}: 821207.9/23$

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2809.101 ± 48.284 χ^2/NDF : 21263.1/16

Left Out: -5185.163 ± 66.085 χ^2/NDF : 8057.1/4

Right Out: -1486.369 ± 46.243 χ^2/NDF : 8037.1/19

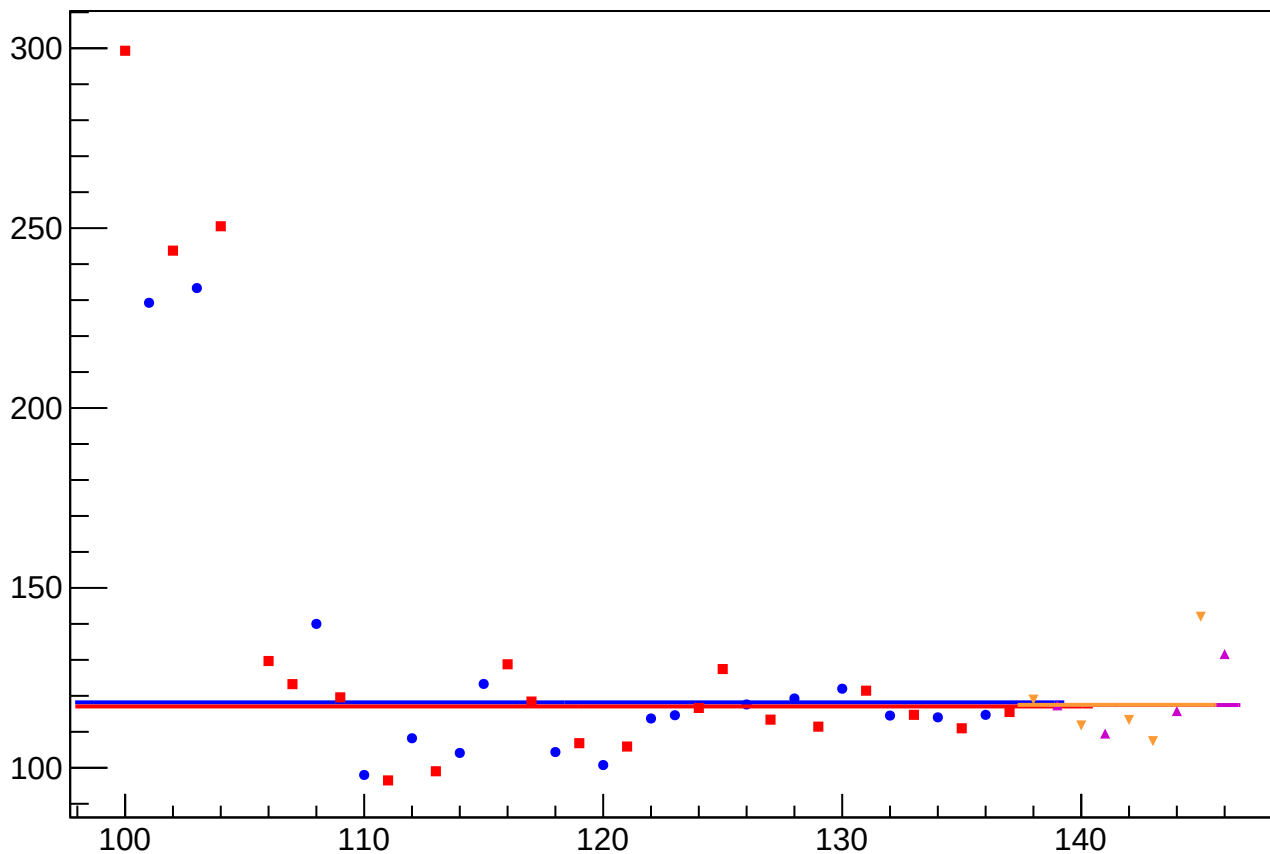
Left In: -4371.540 ± 66.893 χ^2/NDF : 2973.9/3

-3636.066 ± 38.987 χ^2/NDF : 30163.0/21

-3012.726 ± 27.226 χ^2/NDF : 42931.8/45

-2419.334 ± 38.039 χ^2/NDF : 12269.8/23

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.188+/-0.034 χ^2/NDF : 636252.0/16

Left Out: 117.498+/-0.047 χ^2/NDF : 59778.0/4

Right Out: 117.054+/-0.033 χ^2/NDF : 690646.8/19

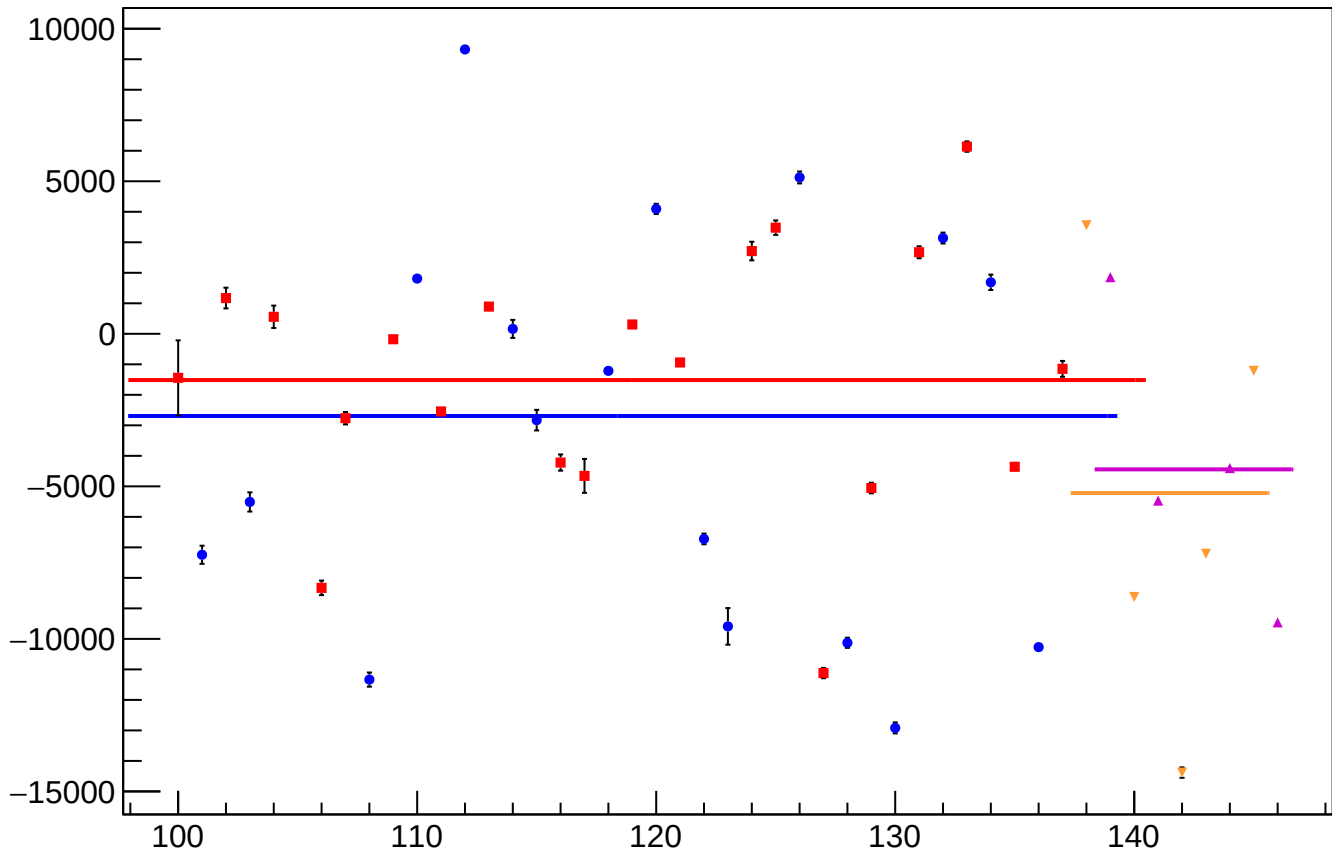
Left In: 117.450+/-0.047 χ^2/NDF : 27406.5/3

117.948+/-0.028 χ^2/NDF : 696172.0/21

117.556+/-0.019 χ^2/NDF : 1414667.9/45

117.182+/-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: -5219.637+/-64.100 χ^2/NDF : 8651.5/4

Right Out: -1515.863+/-44.303 χ^2/NDF : 8749.3/19

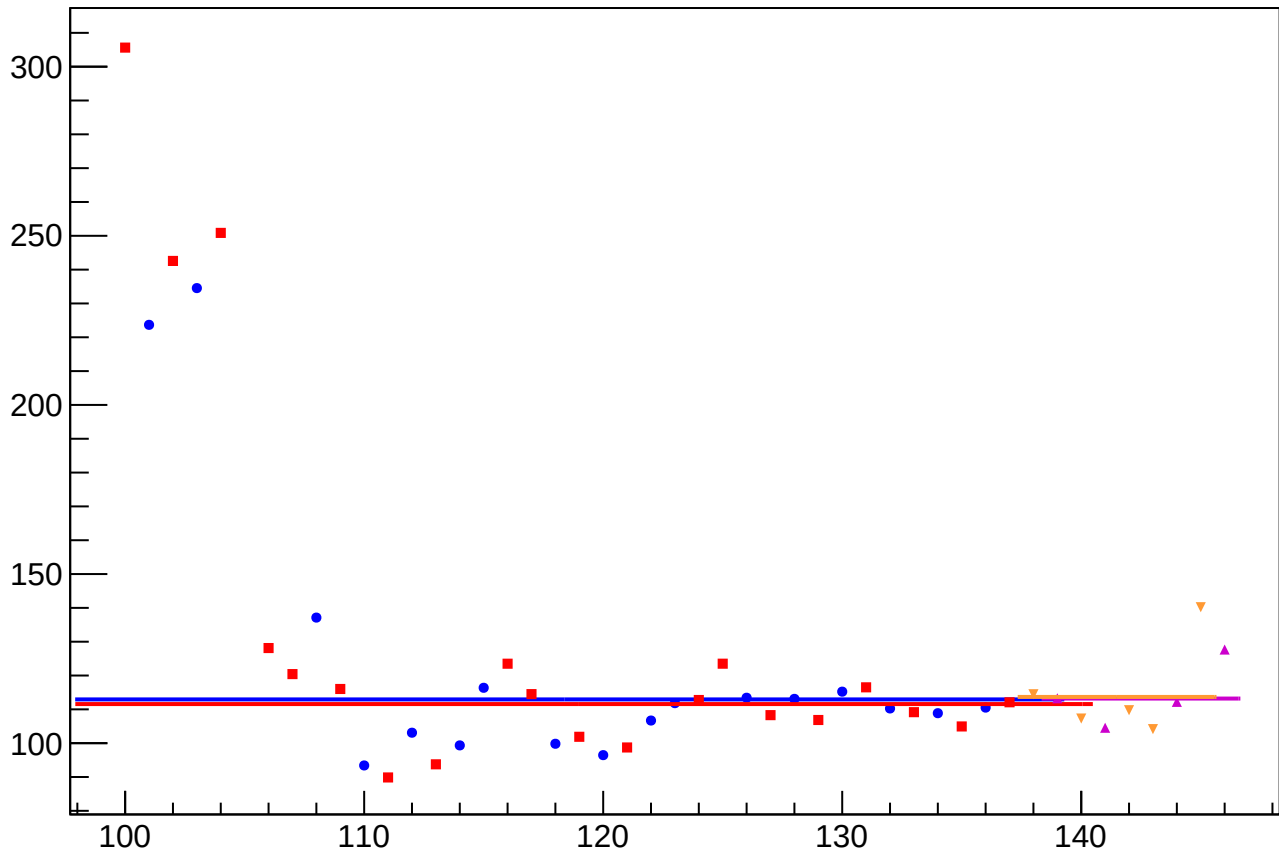
Left In: -4443.530+/-64.625 χ^2/NDF : 3299.8/3

-3561.252+/-37.558 χ^2/NDF : 32531.1/21

-2991.341+/-26.191 χ^2/NDF : 46424.6/45

-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: 113.672 $\pm$ 0.045 χ^2 /NDF:69072.4/4

Right Out: 111.562 ± 0.031 χ^2/NDF : 765559.1/19

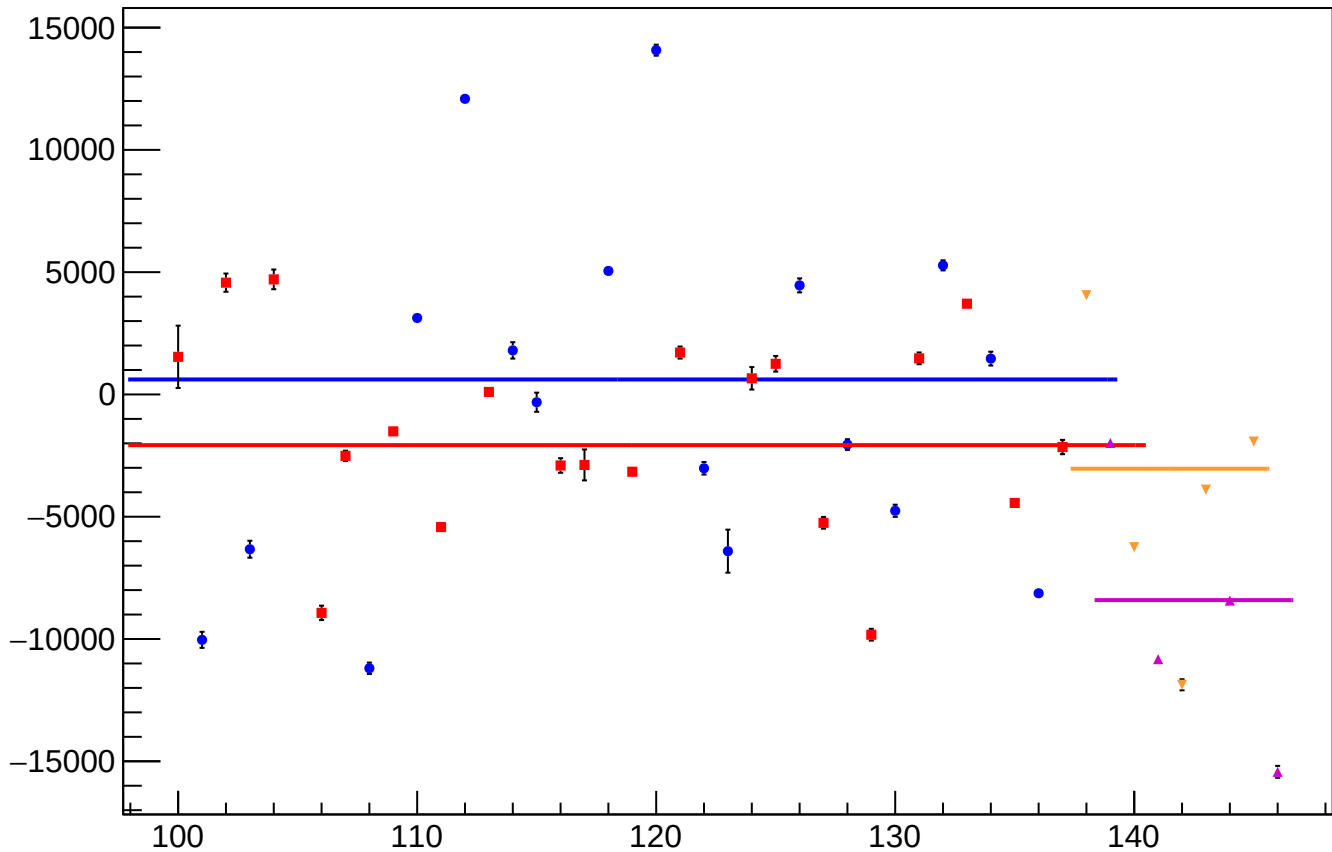
Left In: 113.191+/-0.046 χ^2/NDF :31652.1/3

113.191+/-0.027 χ^2/NDF : 749526.3/21

112.622 $\pm$ 0.019 χ^2 /NDF: 1548496.3/45

112.083 $\pm$ 0.026 χ^2 /NDF: 798075.1/23

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 612.621 $\pm$ 56.062 χ^2/NDF : 18243.4/16

Left Out: -3038.023 $\pm$ 82.720 χ^2/NDF : 3912.4/4

Right Out: -2073.278 $\pm$ 53.736 χ^2/NDF : 4644.3/19

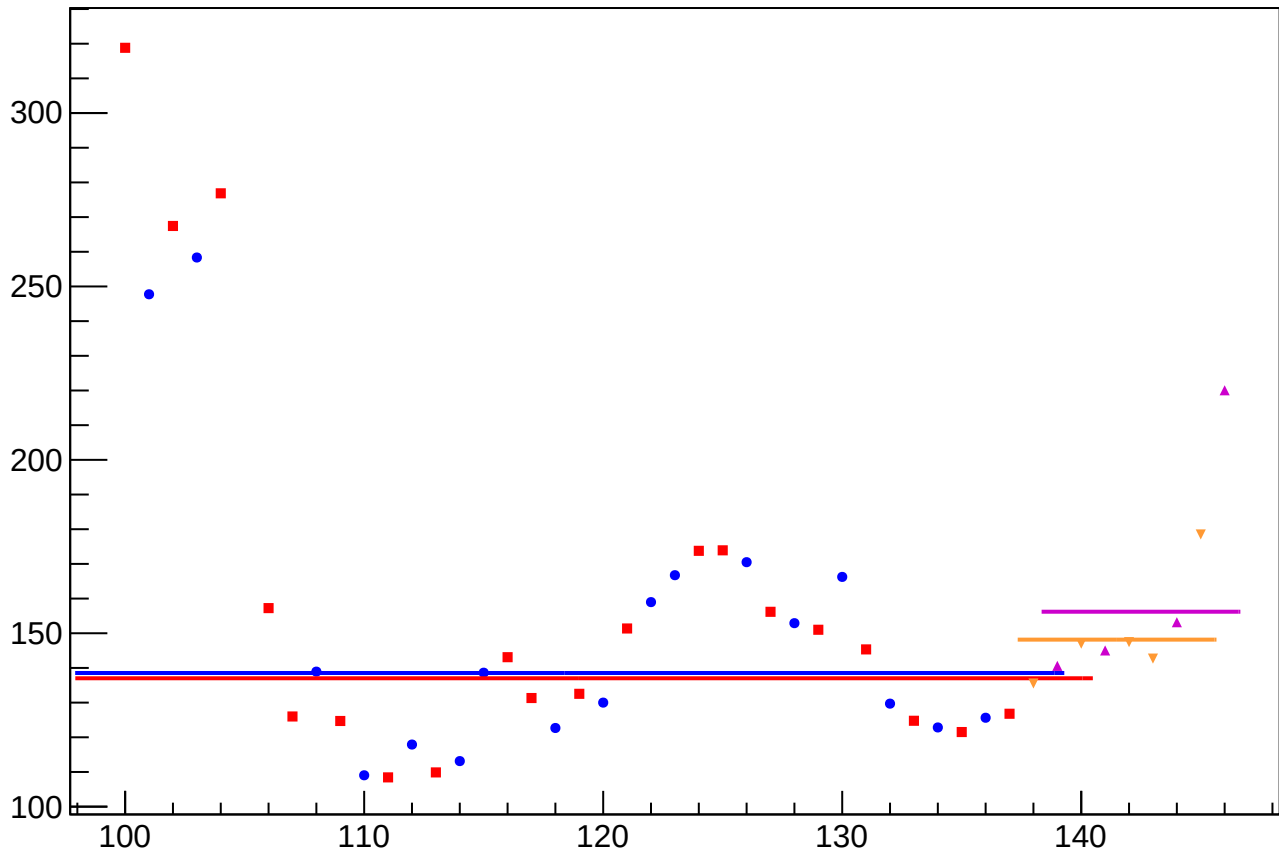
Left In: -8409.734 $\pm$ 89.240 χ^2/NDF : 2432.0/3

-536.403 $\pm$ 46.408 χ^2/NDF : 23490.4/21

-2160.926 $\pm$ 32.683 χ^2/NDF : 36698.0/45

-3759.412 $\pm$ 46.035 χ^2/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: 148.161 $\pm$ 0.058 χ^2 /NDF: 57805.9/4

Right Out: 137.019 $\pm$ 0.038 χ^2 /NDF: 755655.0/19

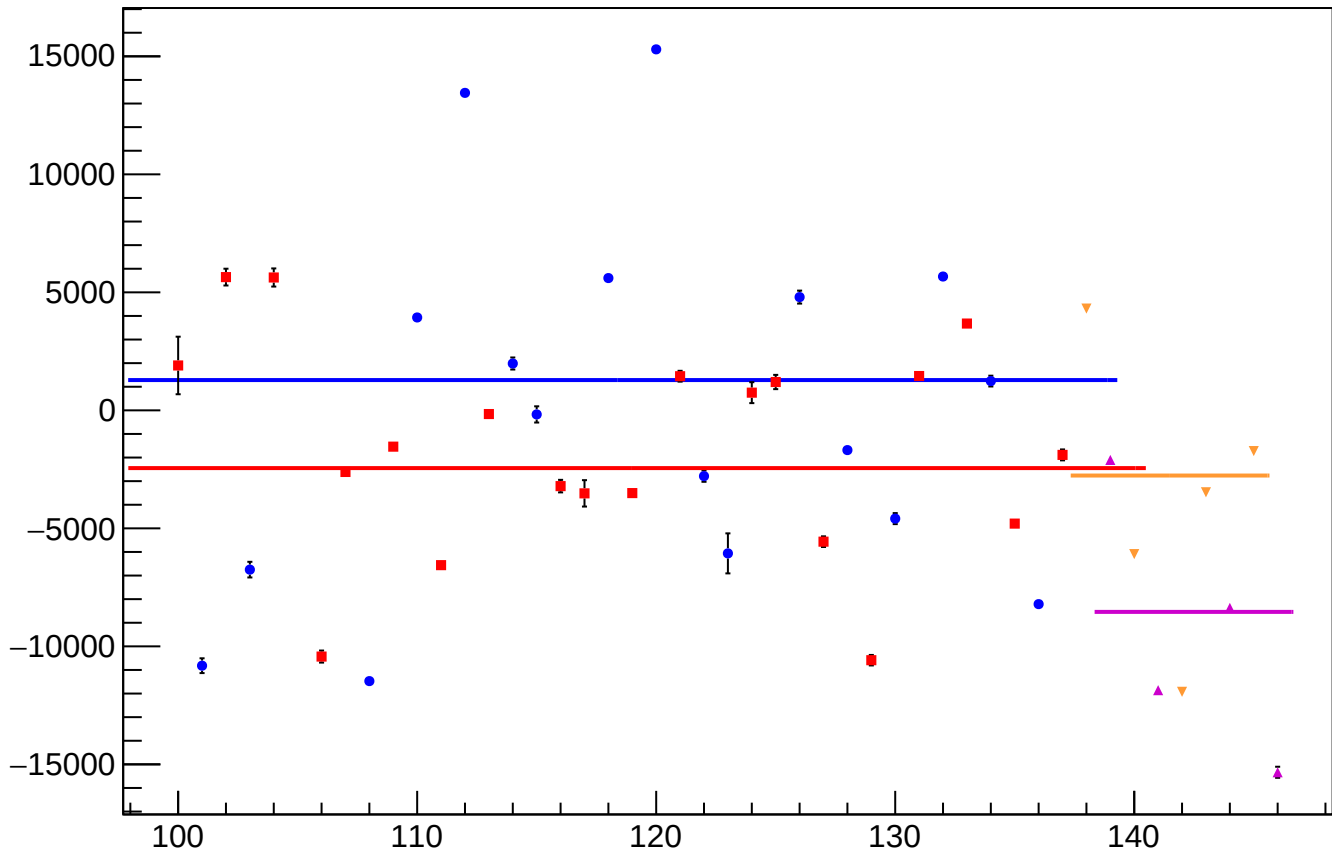
Left In: 156.210 $\pm$ 0.063 χ^2 /NDF: 163467.0/3

141.569 $\pm$ 0.033 χ^2 /NDF: 745281.2/21

141.850 $\pm$ 0.023 χ^2 /NDF: 1732421.9/45

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: -2762.081+/-73.035 χ^2/NDF : 5337.2/4

Right Out: -2446.970+/-44.148 χ^2/NDF : 7681.2/19

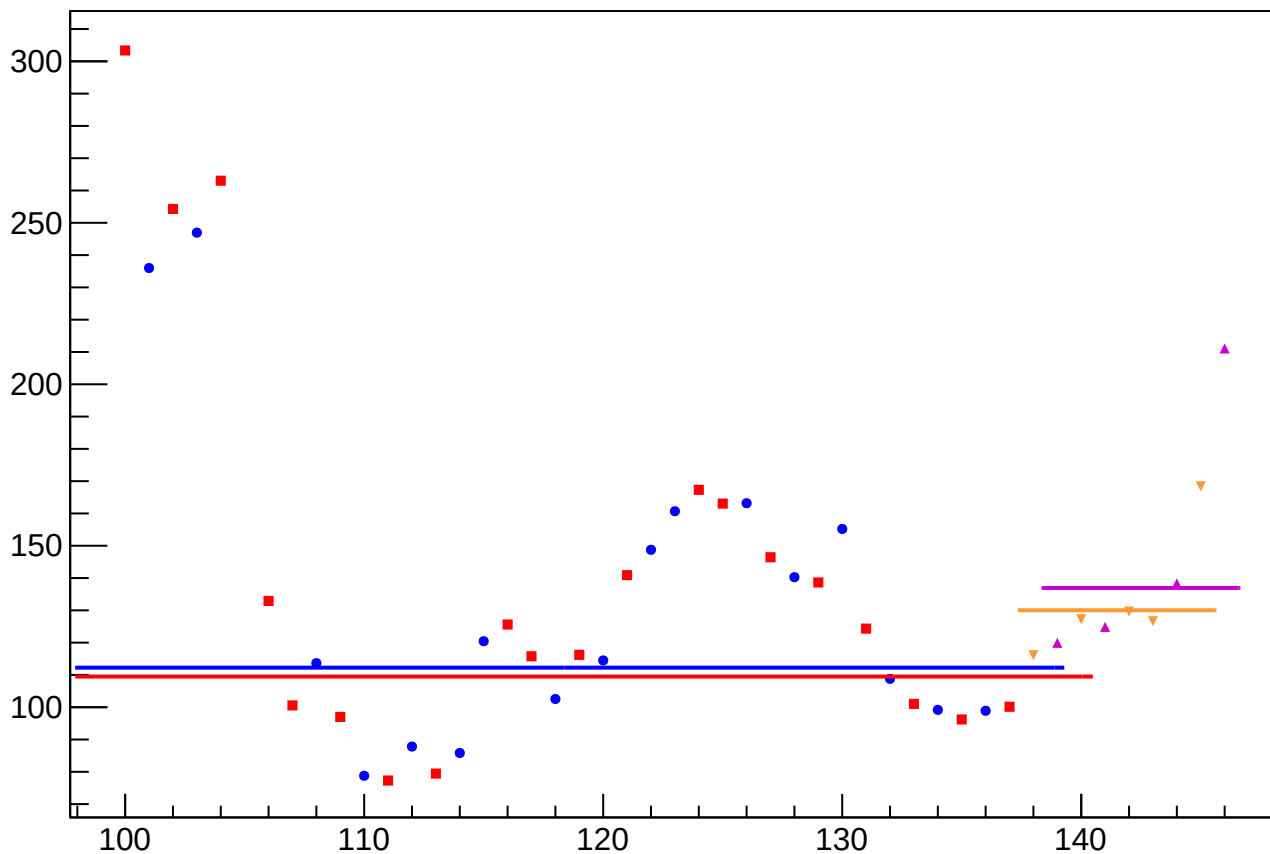
Left In: -8539.642+/-78.899 χ^2/NDF : 3310.2/3

113.632+/-39.268 χ^2/NDF : 38058.8/21

-1931.278+/-27.501 χ^2/NDF : 58913.9/45

-3899.709+/-38.527 χ^2/NDF : 15532.7/23

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 112.251 $\pm$ 0.033 χ^2/NDF : 1125537.4/16

Left Out: 130.024 $\pm$ 0.052 χ^2/NDF : 99826.7/4

Right Out: 109.500 $\pm$ 0.031 χ^2/NDF : 1269887.8/19

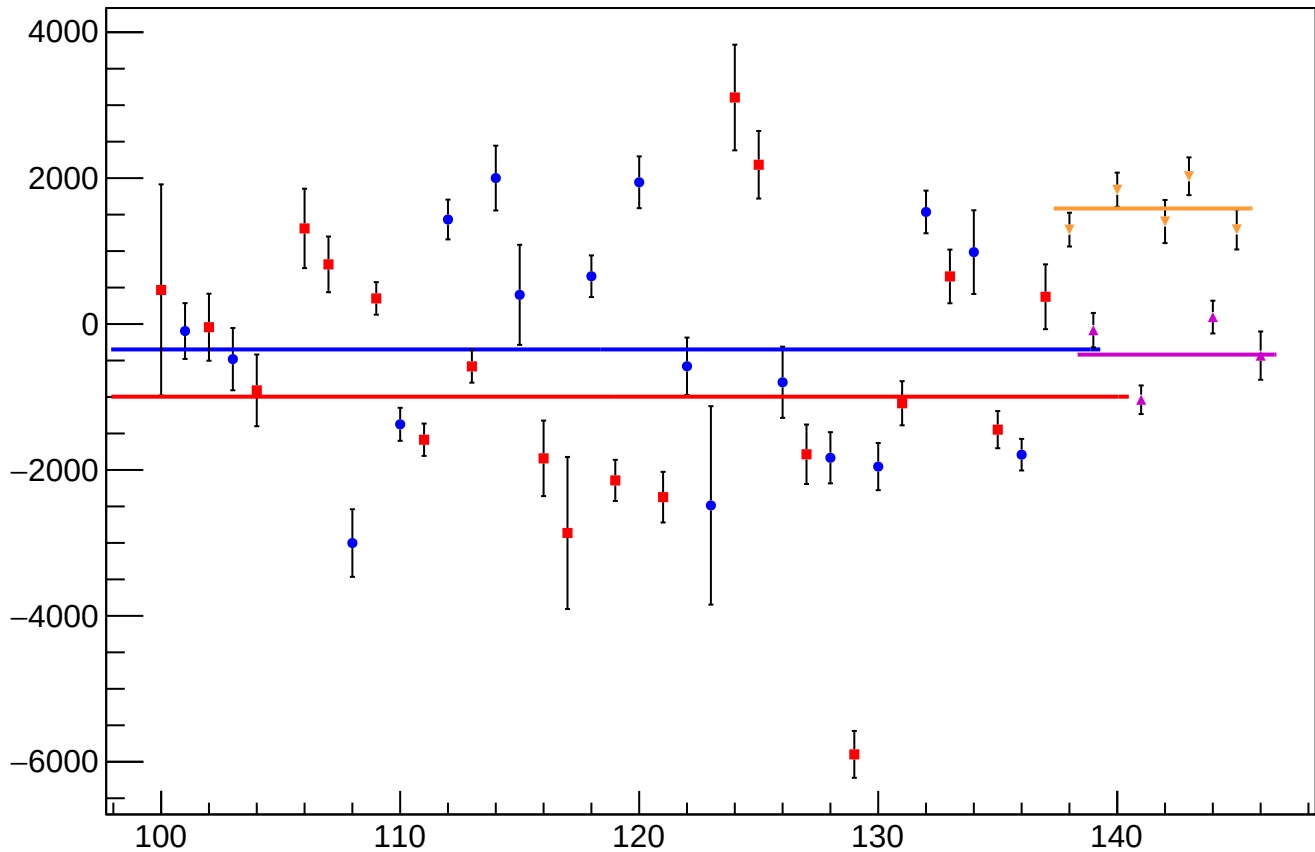
Left In: 136.929 $\pm$ 0.056 χ^2/NDF : 242072.7/3

117.389 $\pm$ 0.028 χ^2/NDF : 1309571.2/21

116.701 $\pm$ 0.019 χ^2/NDF : 3006823.9/45

116.040 $\pm$ 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: 1584.158 ± 114.338 χ^2/NDF : 7.1/4

Right Out: -995.622 ± 77.468 χ^2/NDF : 479.8/19

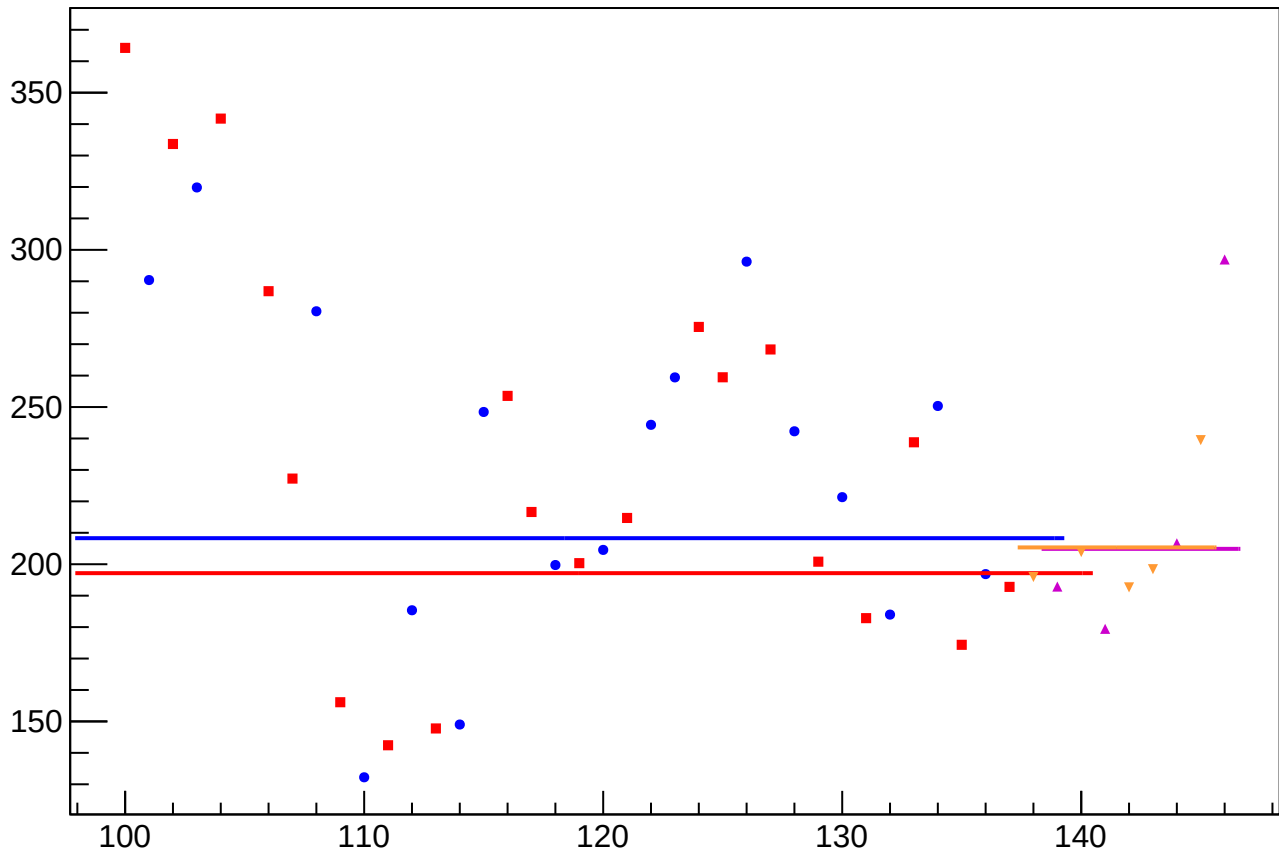
Left In: -418.867 ± 117.154 χ^2/NDF : 17.2/3

327.438 ± 67.604 χ^2/NDF : 510.2/21

-272.258 ± 46.712 χ^2/NDF : 1174.6/45

-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: 205.345 $\pm$ 0.081 χ^2/NDF : 39359.5/4

Right Out: 197.159 $\pm$ 0.055 χ^2/NDF : 927487.8/19

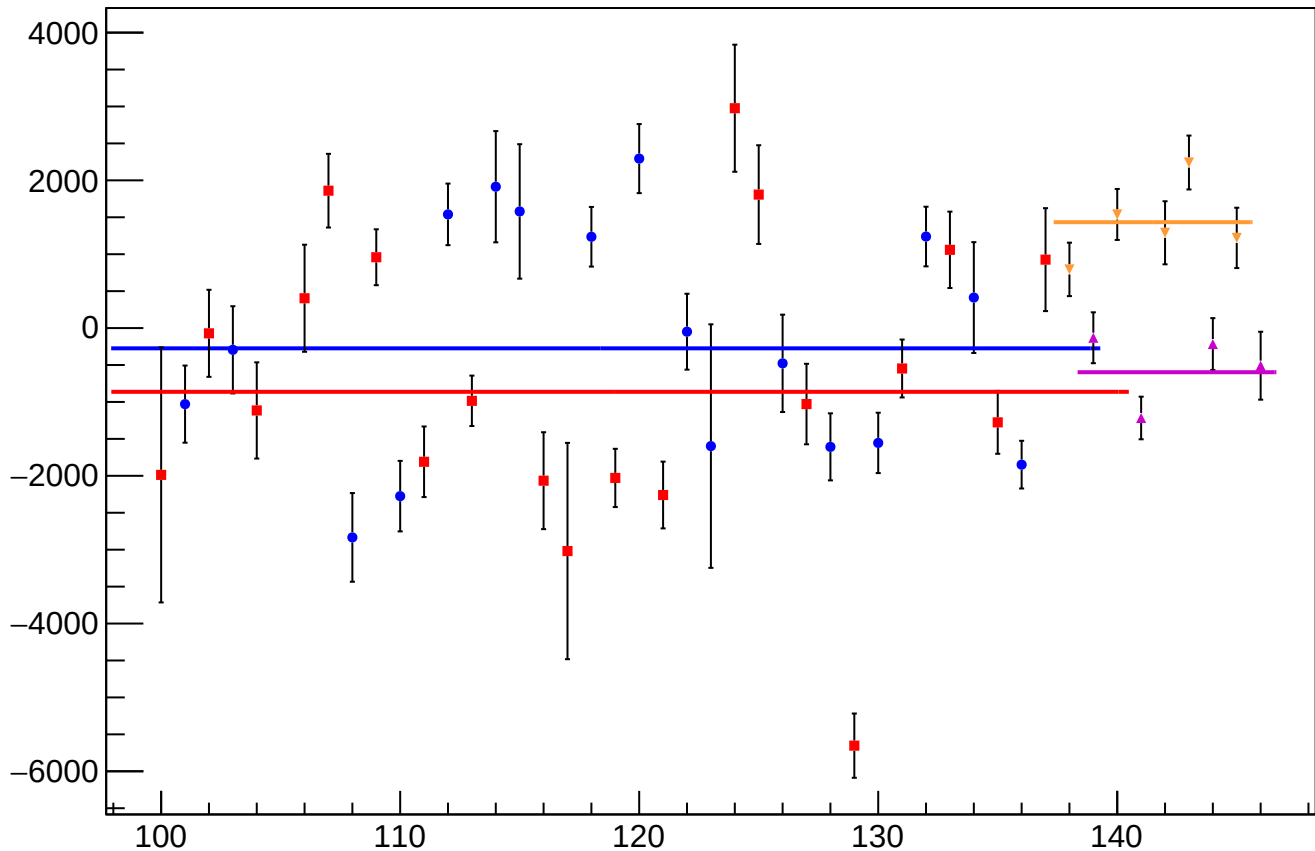
Left In: 204.890 $\pm$ 0.083 χ^2/NDF : 193590.8/3

207.259 $\pm$ 0.048 χ^2/NDF : 738712.1/21

203.210 $\pm$ 0.033 χ^2/NDF : 1879577.0/45

199.511 $\pm$ 0.046 χ^2/NDF : 1127138.2/23

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -274.260 ± 121.326 χ^2/NDF : 171.6/16

Left Out: 1433.565 ± 168.951 χ^2/NDF : 8.5/4

Right Out: -862.791 ± 114.993 χ^2/NDF : 265.4/19

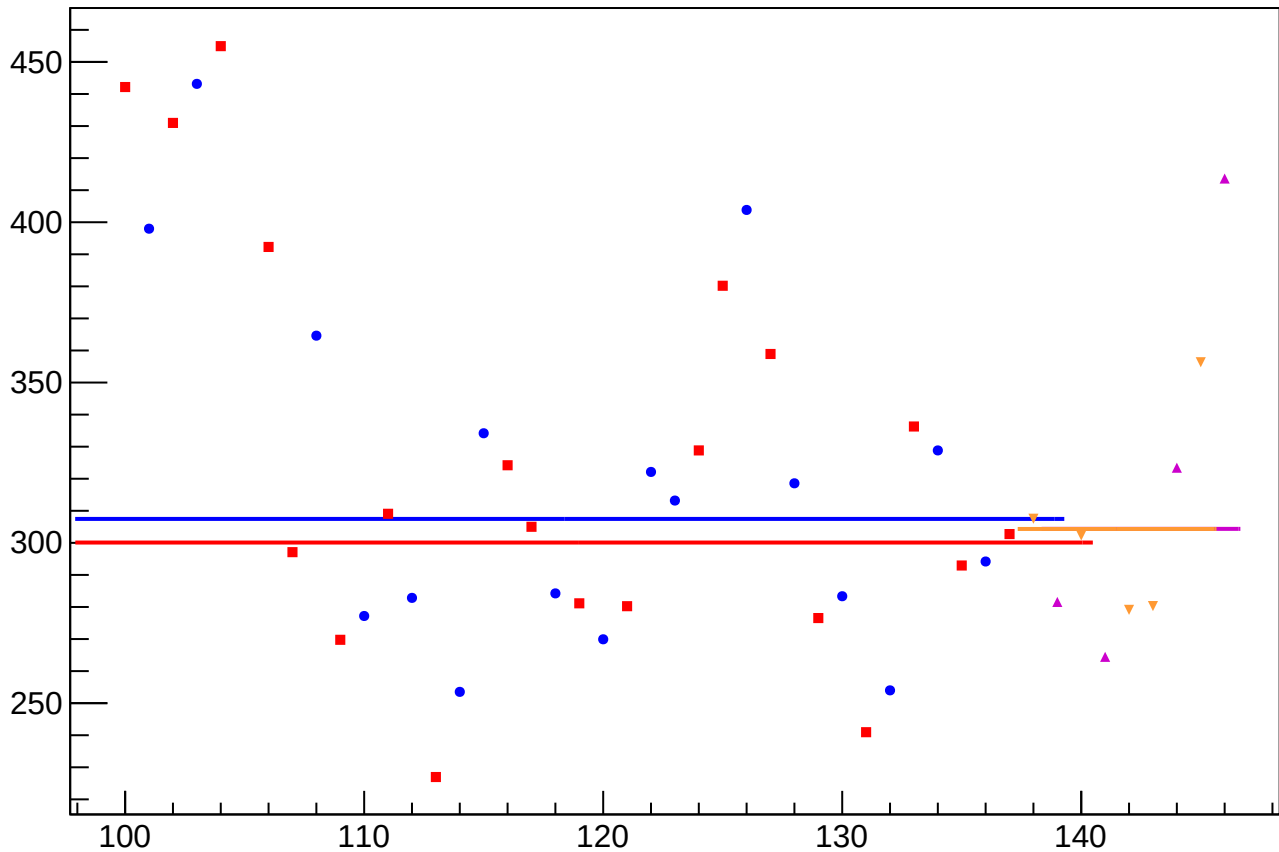
Left In: -597.551 ± 173.269 χ^2/NDF : 7.7/3

306.798 ± 98.548 χ^2/NDF : 247.5/21

-252.764 ± 68.696 χ^2/NDF : 584.9/45

-781.687 ± 95.812 χ^2/NDF : 274.7/23

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 307.468+/-0.086 χ^2/NDF : 323096.7/16

Left Out: 304.334+/-0.119 χ^2/NDF : 48324.1/4

Right Out: 300.100+/-0.081 χ^2/NDF : 490421.6/19

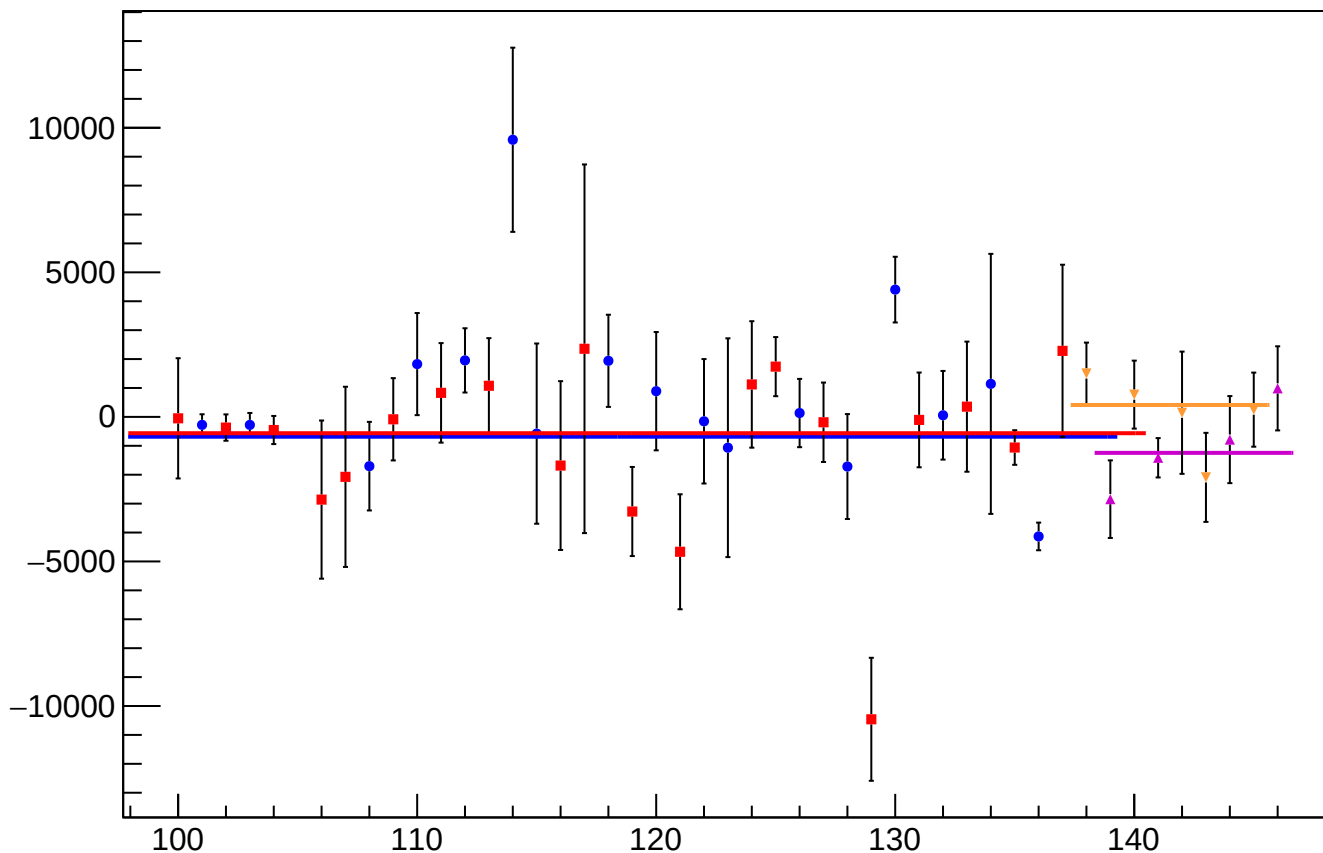
Left In: 304.365+/-0.123 χ^2/NDF : 165899.4/3

306.402+/-0.070 χ^2/NDF : 371874.7/21

303.833+/-0.049 χ^2/NDF : 1031681.2/45

301.404+/-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: 411.888+/-591.907 χ^2/NDF : 3.8/4

Right Out: -564.400+/-243.074 χ^2/NDF : 39.9/19

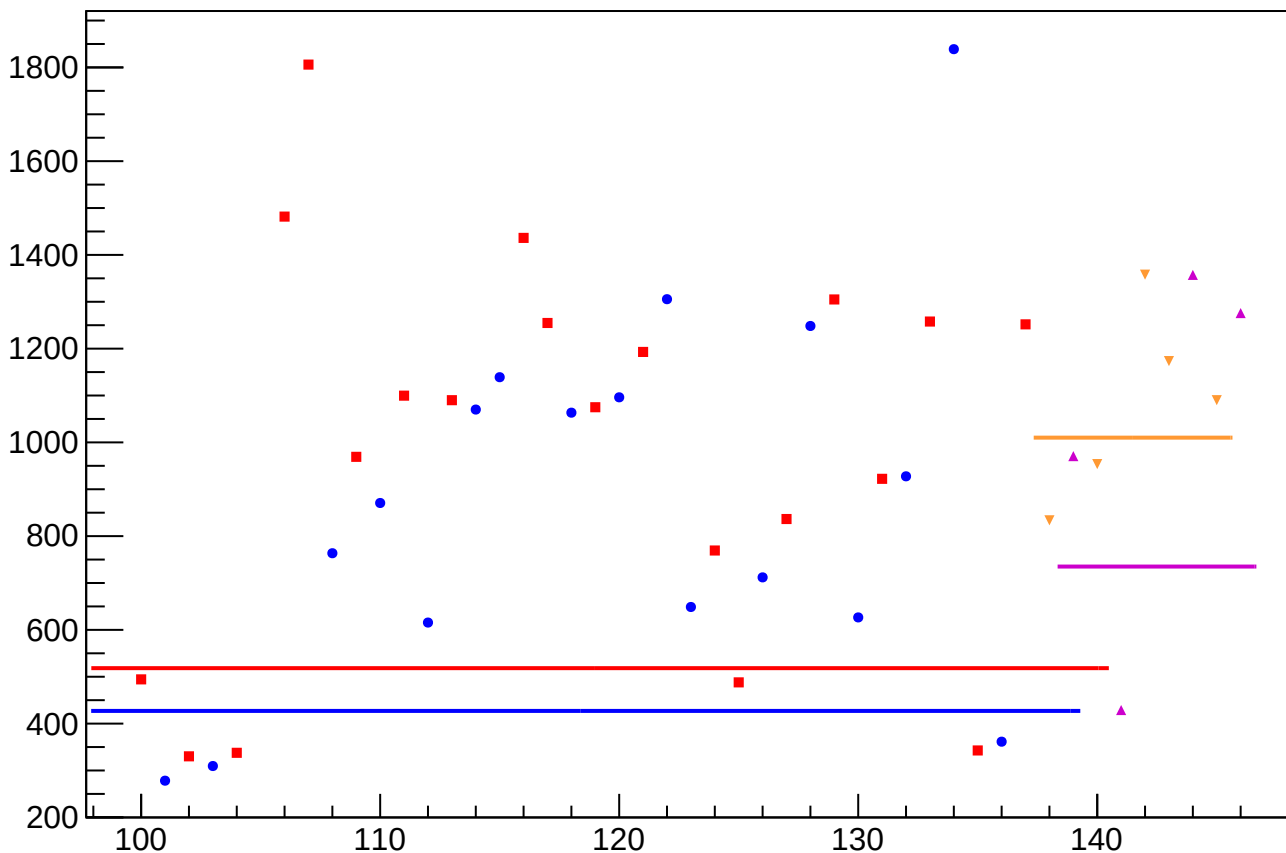
Left In: -1244.053+/-525.007 χ^2/NDF : 3.9/3

-562.064+/-198.198 χ^2/NDF : 104.2/21

-616.701+/-147.427 χ^2/NDF : 149.6/45

-684.374+/-220.579 χ^2/NDF : 45.2/23

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 427.079 $\pm$ 0.149 χ^2/NDF : 2865678.7/16

Left Out: 1010.124 $\pm$ 0.419 χ^2/NDF : 143508.9/4

Right Out: 518.306 $\pm$ 0.172 χ^2/NDF : 3631833.9/19

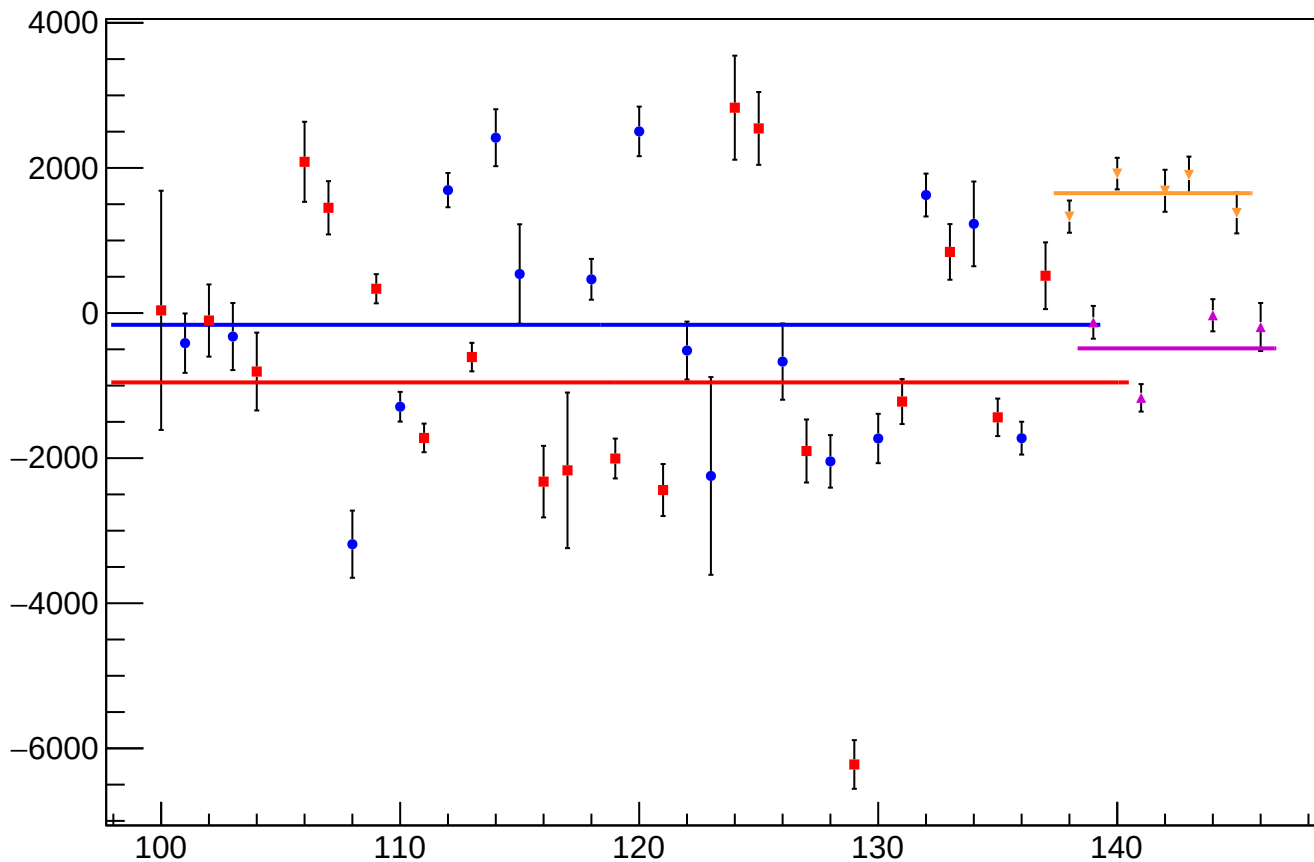
Left In: 735.082 $\pm$ 0.371 χ^2/NDF : 1084454.4/3

492.452 $\pm$ 0.140 χ^2/NDF : 4732167.9/21

521.095 $\pm$ 0.104 χ^2/NDF : 9822748.6/45

556.572 $\pm$ 0.156 χ^2/NDF : 4997073.1/23

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -162.333+/-82.350 χ^2/NDF : 387.6/16

Left Out: 1652.243+/-110.754 χ^2/NDF : 5.6/4

Right Out: -956.044+/-74.949 χ^2/NDF : 541.1/19

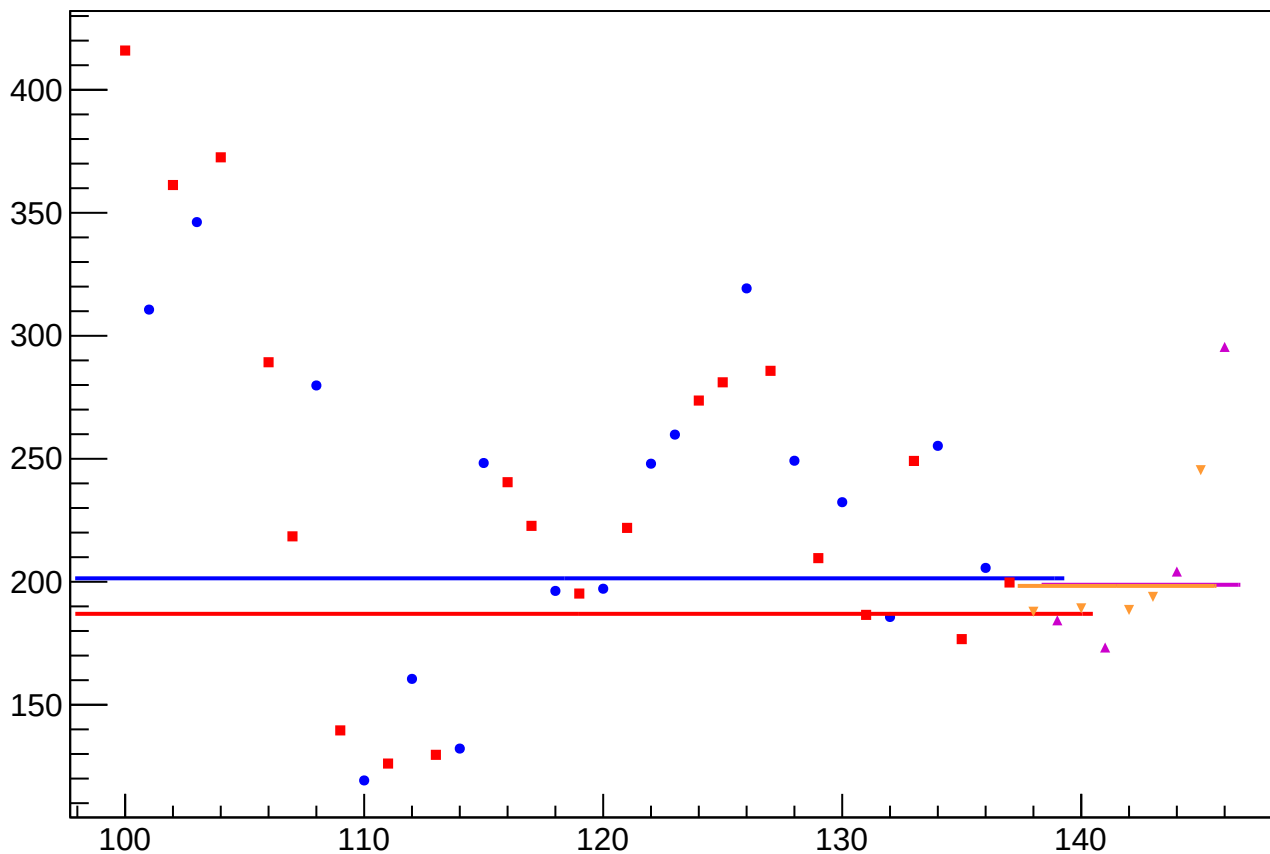
Left In: -487.083+/-114.076 χ^2/NDF : 20.5/3

483.698+/-66.084 χ^2/NDF : 566.0/21

-200.198+/-45.462 χ^2/NDF : 1342.7/45

-814.647+/-62.639 χ^2/NDF : 573.4/23

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 198.329 $\pm$ 0.078 χ^2 /NDF:66596.1/4

Right Out: 186.973 $\pm$ 0.053 χ^2 /NDF: 1395397.8/19

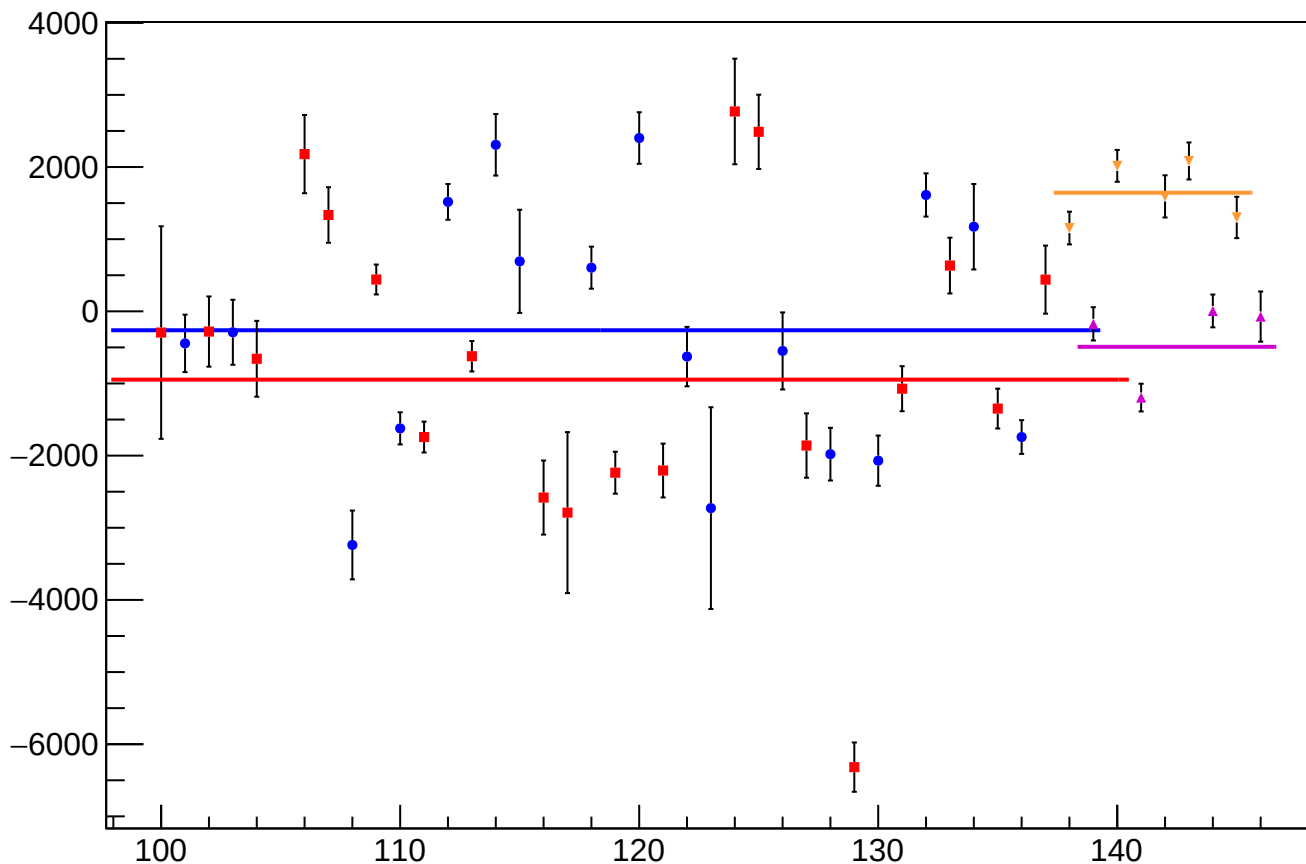
Left In: 198.785 $\pm$ 0.081 χ^2 /NDF:216256.3/3

200.312 $\pm$ 0.047 χ^2 /NDF: 1123614.8/21

195.162 $\pm$ 0.032 χ^2 /NDF: 2773310.0/45

190.535 $\pm$ 0.044 χ^2 /NDF: 1626631.9/23

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -262.324 ± 85.433 χ^2/NDF : 368.7/16

Left Out: 1643.863 ± 112.491 χ^2/NDF : 11.9/4

Right Out: -946.785 ± 78.241 χ^2/NDF : 524.6/19

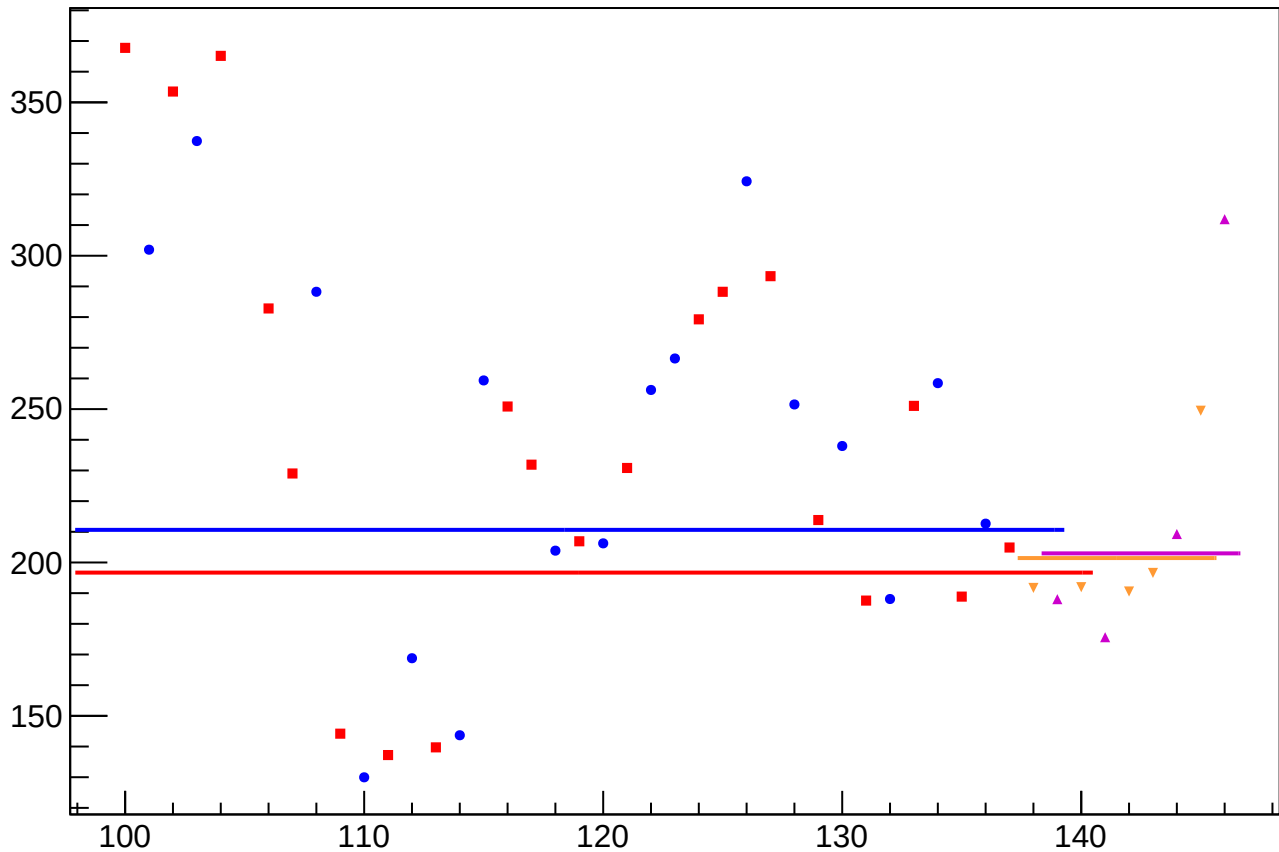
Left In: -491.952 ± 116.621 χ^2/NDF : 21.6/3

434.958 ± 68.036 χ^2/NDF : 562.7/21

-213.879 ± 46.989 χ^2/NDF : 1293.3/45

-805.607 ± 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: 201.443 $\pm$ 0.080 χ^2/NDF : 67085.6/4

Right Out: 196.702 $\pm$ 0.055 χ^2/NDF : 1207089.6/19

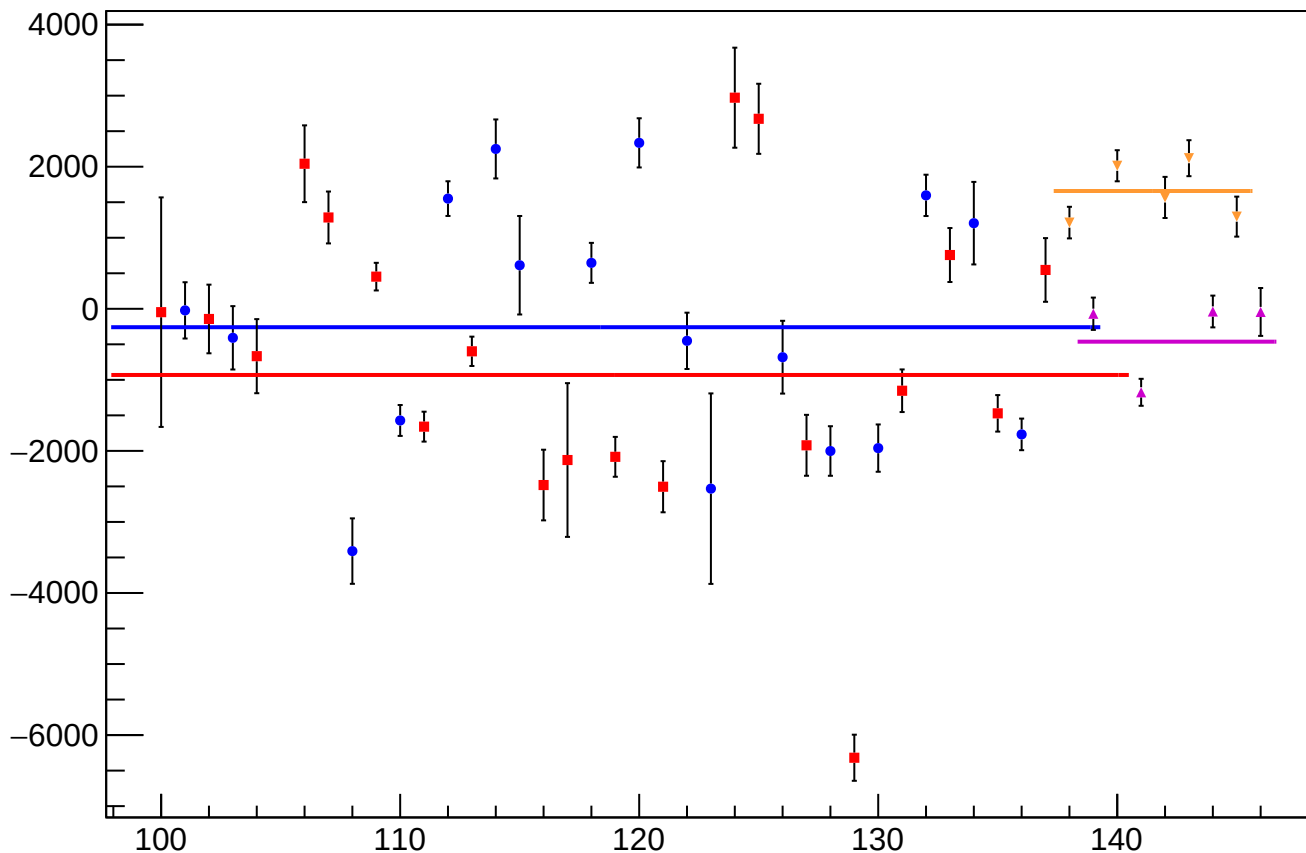
Left In: 202.971 $\pm$ 0.082 χ^2/NDF : 246427.3/3

207.273 $\pm$ 0.048 χ^2/NDF : 951333.4/21

202.762 $\pm$ 0.033 χ^2/NDF : 2425646.2/45

198.648 $\pm$ 0.046 χ^2/NDF : 1457502.4/23

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -259.139 $\pm$ 82.802 χ^2/NDF : 391.2/16

Left Out: 1658.034 $\pm$ 110.942 χ^2/NDF : 11.7/4

Right Out: -931.363 $\pm$ 75.320 χ^2/NDF : 583.1/19

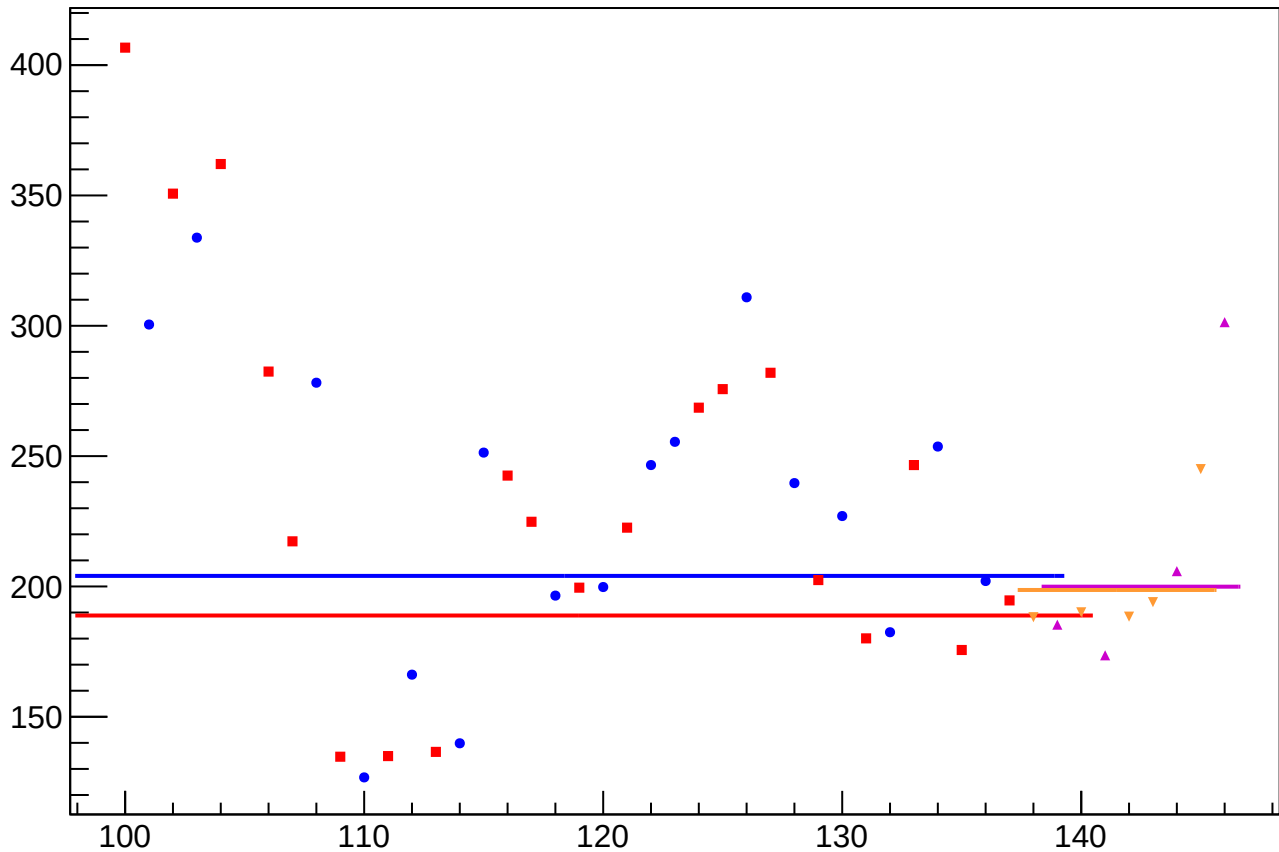
Left In: -462.700 $\pm$ 114.786 χ^2/NDF : 22.2/3

426.742 $\pm$ 66.358 χ^2/NDF : 594.7/21

-213.606 $\pm$ 45.678 χ^2/NDF : 1388.7/45

-790.306 $\pm$ 62.973 χ^2/NDF : 617.0/23

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 204.051+/-0.059 χ^2/NDF : 868423.0/16

Left Out: 198.651+/-0.078 χ^2/NDF :64918.1/4

Right Out: 188.856+/-0.053 χ^2/NDF : 1253327.1/19

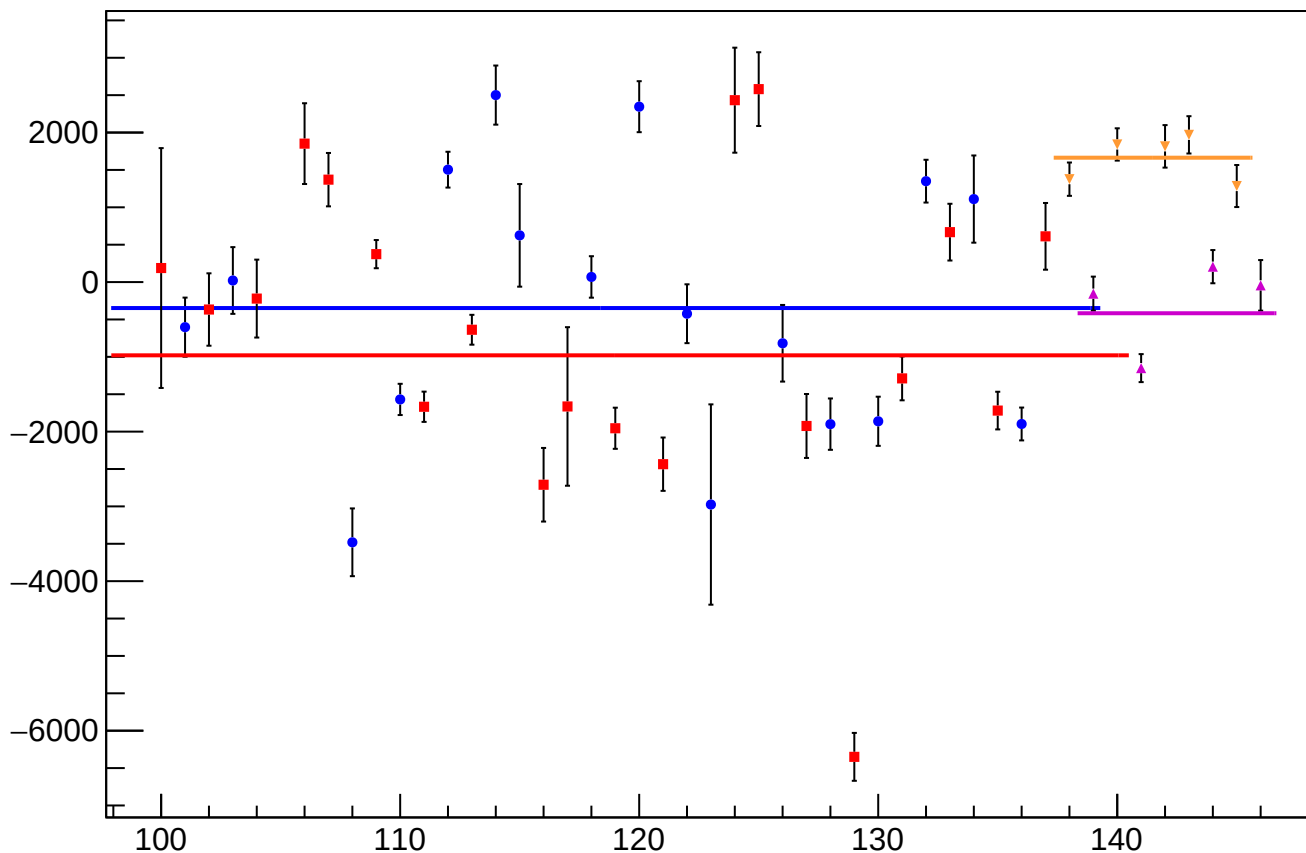
Left In: 199.918+/-0.081 χ^2/NDF :229460.6/3

202.119+/-0.047 χ^2/NDF : 936384.7/21

196.892+/-0.032 χ^2/NDF : 2455741.2/45

192.185+/-0.045 χ^2/NDF : 1495773.4/23

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.240 ± 81.318 $\chi^2/\text{NDF}: 399.1/16$

Left Out: 1663.587 ± 109.993 $\chi^2/\text{NDF}: 5.9/4$

Right Out: -979.606 ± 73.710 $\chi^2/\text{NDF}: 586.1/19$

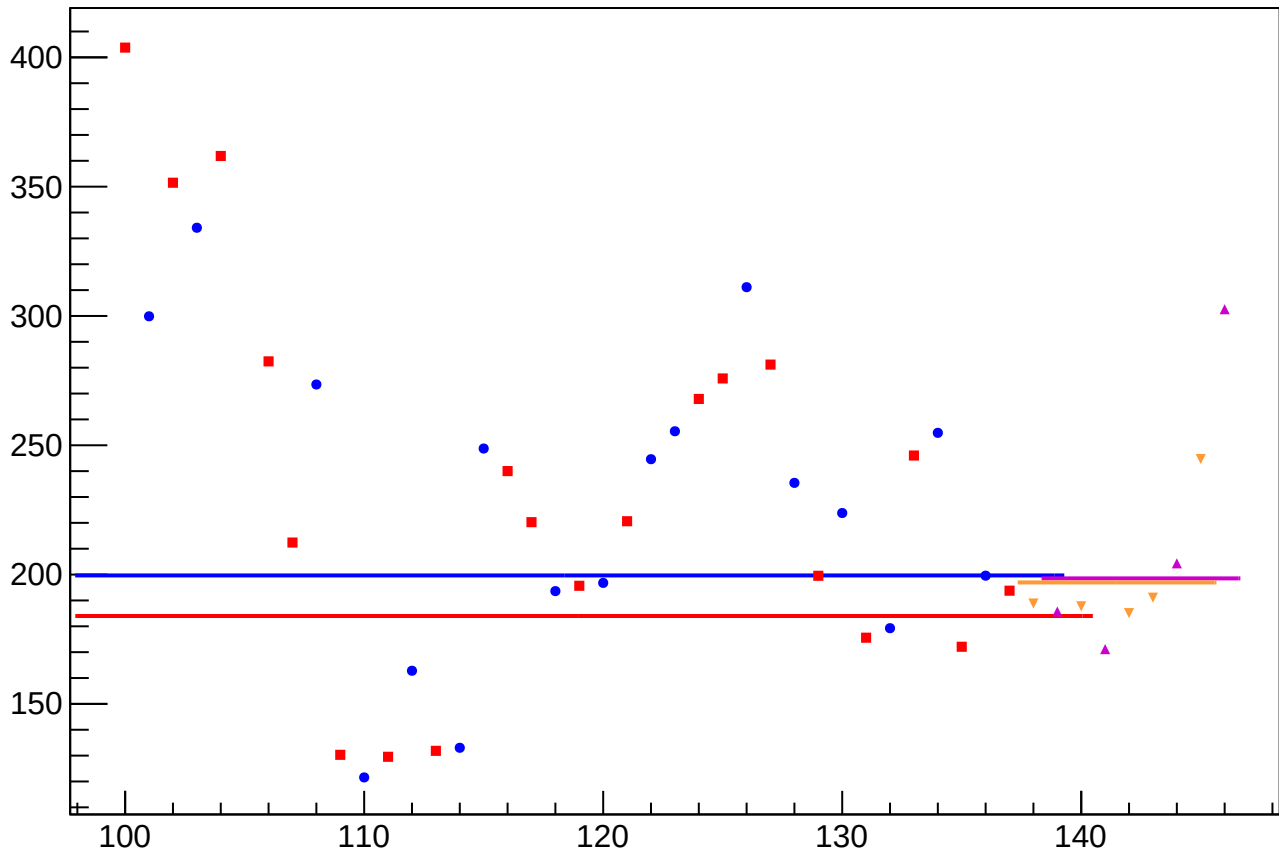
Left In: -416.759 ± 114.085 $\chi^2/\text{NDF}: 25.8/3$

363.399 ± 65.388 $\chi^2/\text{NDF}: 621.1/21$

-257.348 ± 44.957 $\chi^2/\text{NDF}: 1421.1/45$

-813.845 ± 61.912 $\chi^2/\text{NDF}: 629.1/23$

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 199.669 +/- 0.058 χ^2/NDF : 943155.1/16

Left Out: 196.967 +/- 0.078 χ^2/NDF : 68567.0/4

Right Out: 183.984 +/- 0.052 χ^2/NDF : 1351978.1/19

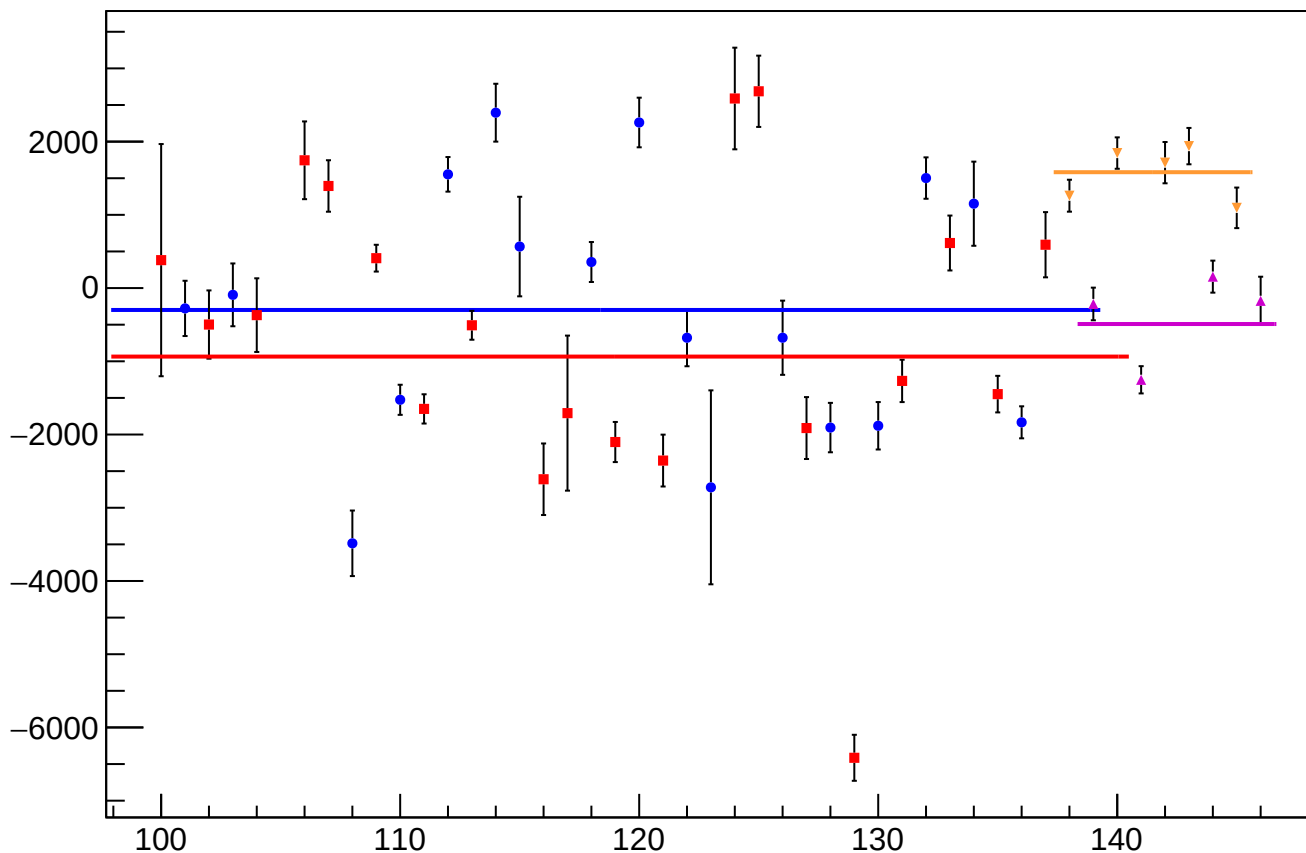
Left In: 198.529 +/- 0.081 χ^2/NDF : 239770.2/3

198.714 +/- 0.046 χ^2/NDF : 1012502.6/21

193.206 +/- 0.032 χ^2/NDF : 2654099.0/45

188.268 +/- 0.044 χ^2/NDF : 1614680.4/23

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -298.963 ± 80.162 $\chi^2/\text{NDF}: 406.6/16$

Left Out: 1582.371 ± 108.717 $\chi^2/\text{NDF}: 9.0/4$

Right Out: -935.490 ± 72.580 $\chi^2/\text{NDF}: 615.3/19$

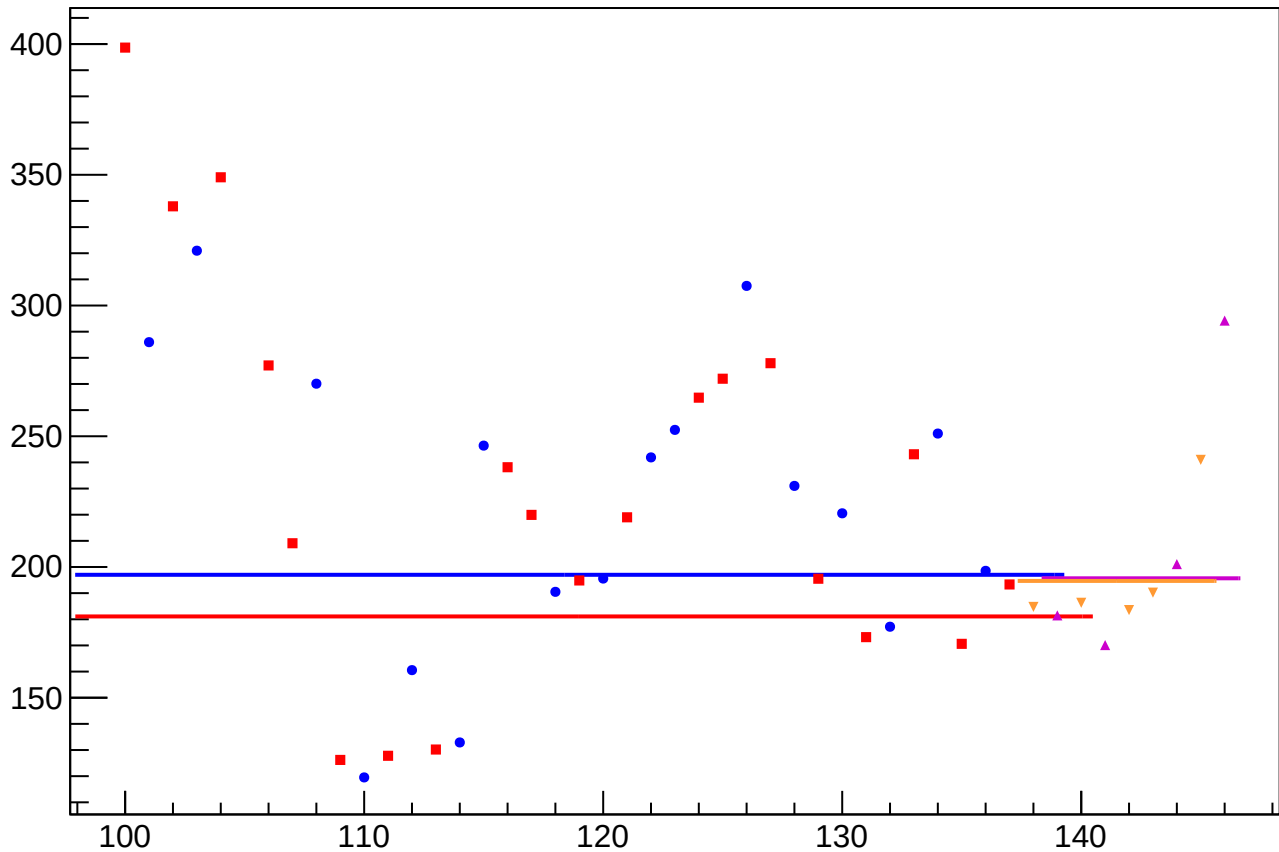
Left In: -490.912 ± 112.374 $\chi^2/\text{NDF}: 28.0/3$

363.635 ± 64.519 $\chi^2/\text{NDF}: 609.6/21$

-253.524 ± 44.313 $\chi^2/\text{NDF}: 1437.1/45$

-804.624 ± 60.969 $\chi^2/\text{NDF}: 654.3/23$

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 197.013 $\pm$ 0.057 χ^2 /NDF: 911923.5/16

Left Out: 194.675 $\pm$ 0.077 χ^2 /NDF: 66879.8/4

Right Out: 181.089 $\pm$ 0.051 χ^2 /NDF: 1348390.5/19

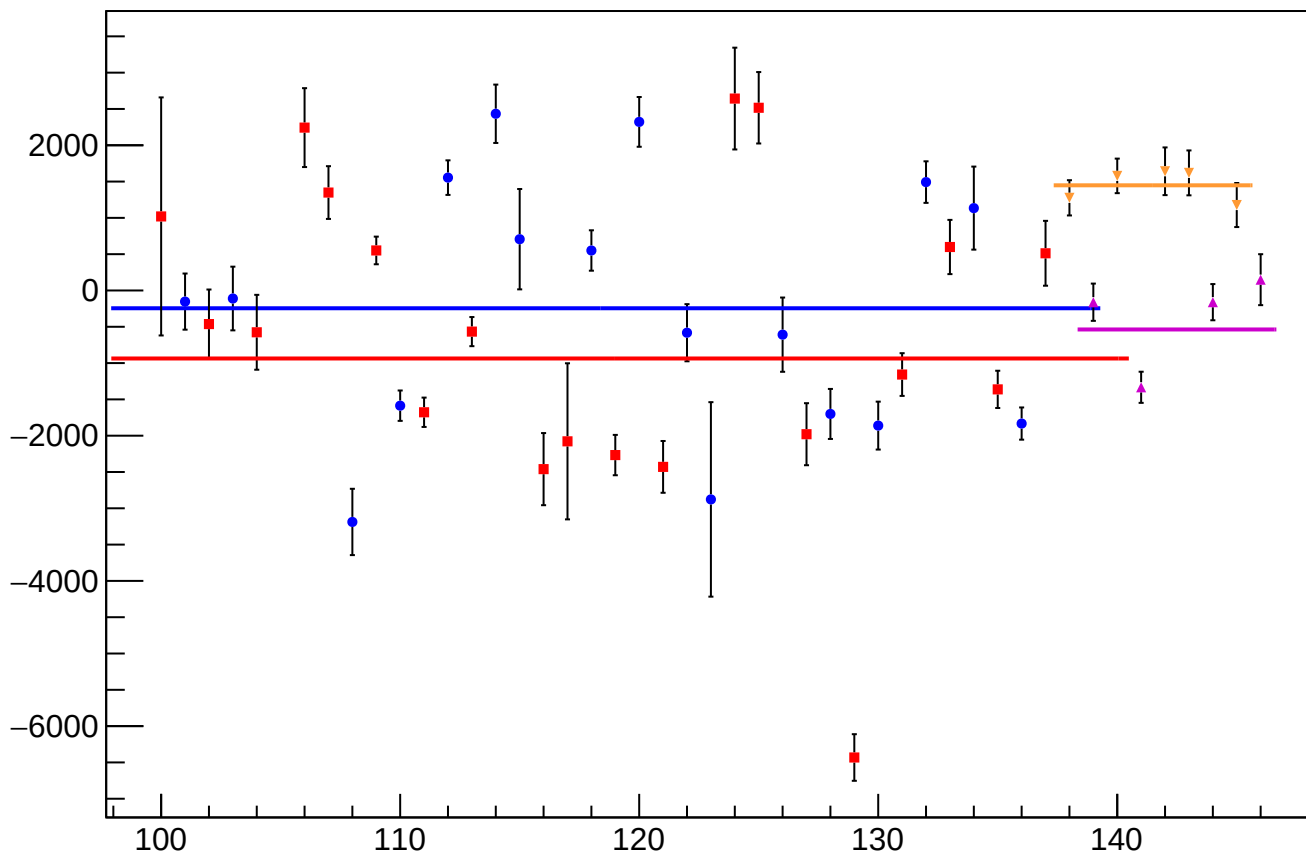
Left In: 195.673 $\pm$ 0.079 χ^2 /NDF: 226273.6/3

196.190 $\pm$ 0.046 χ^2 /NDF: 979402.7/21

190.480 $\pm$ 0.031 χ^2 /NDF: 2607481.3/45

185.382 $\pm$ 0.043 χ^2 /NDF: 1598432.8/23

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -244.925 $\pm$ 81.395 χ^2/NDF : 391.4/16

Left Out: 1448.416 $\pm$ 123.804 χ^2/NDF : 2.3/4

Right Out: -936.709 $\pm$ 74.030 χ^2/NDF : 610.9/19

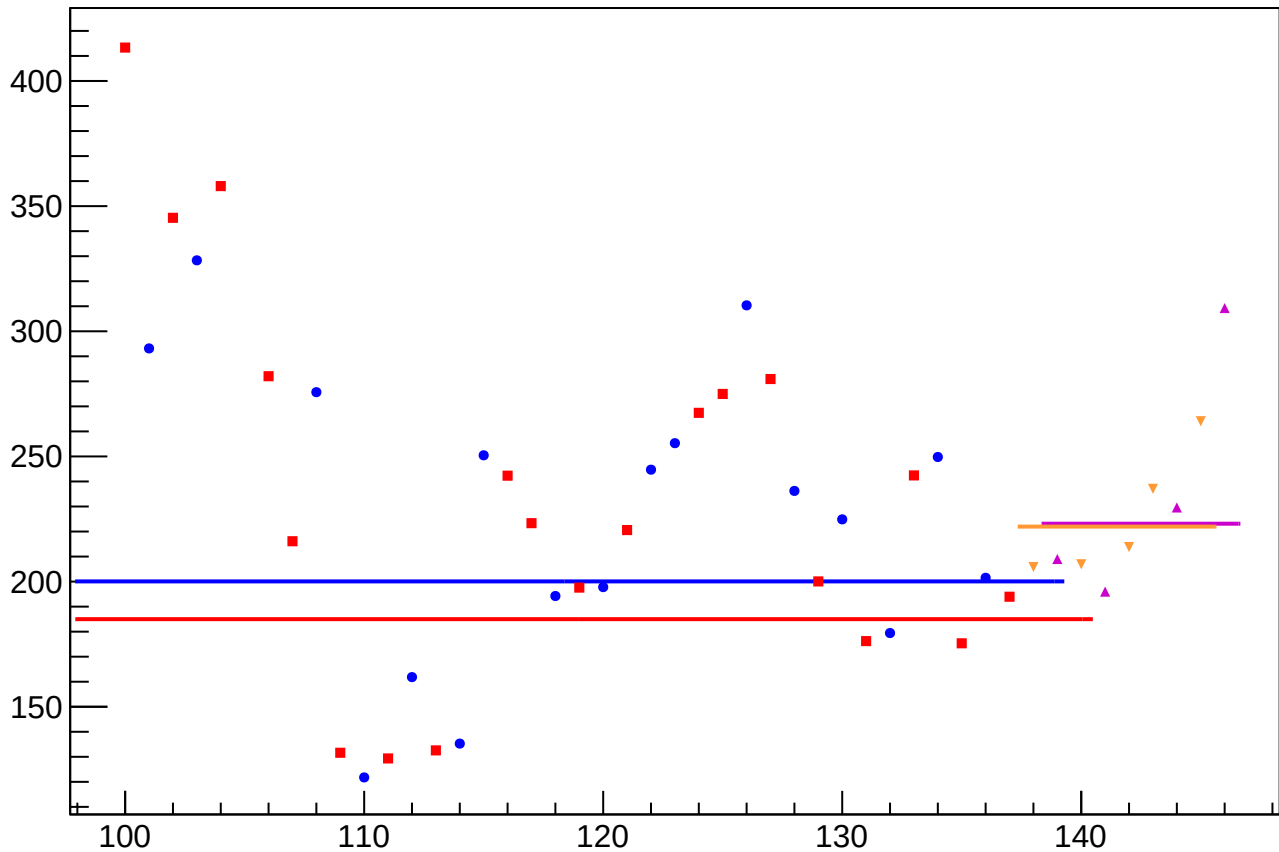
Left In: -537.073 $\pm$ 127.872 χ^2/NDF : 22.0/3

266.112 $\pm$ 68.013 χ^2/NDF : 524.3/21

-318.040 $\pm$ 46.635 χ^2/NDF : 1303.7/45

-836.389 $\pm$ 64.067 χ^2/NDF : 640.2/23

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 200.078 $\pm$ 0.058 χ^2/NDF : 918309.2/16

Left Out: 221.969 $\pm$ 0.088 χ^2/NDF : 61382.8/4

Right Out: 184.990 $\pm$ 0.052 χ^2/NDF : 1320825.4/19

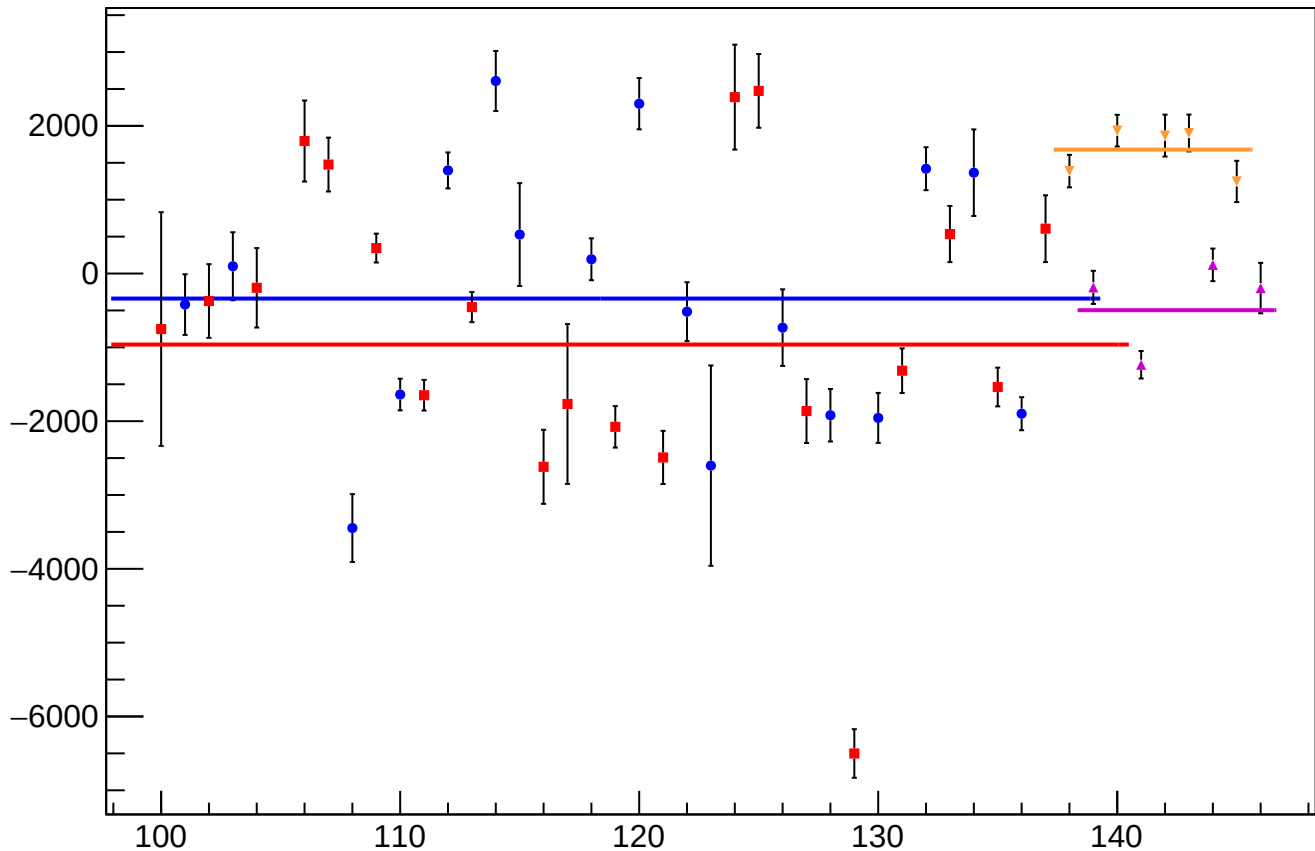
Left In: 223.130 $\pm$ 0.090 χ^2/NDF : 160000.6/3

206.685 $\pm$ 0.048 χ^2/NDF : 1023351.5/21

200.263 $\pm$ 0.033 χ^2/NDF : 2671091.0/45

194.564 $\pm$ 0.045 χ^2/NDF : 1614084.5/23

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -338.966±/83.123 χ^2/NDF : 389.5/16

Left Out: 1678.312±/109.429 χ^2/NDF : 6.8/4

Right Out: -961.556±/75.564 χ^2/NDF : 570.9/19

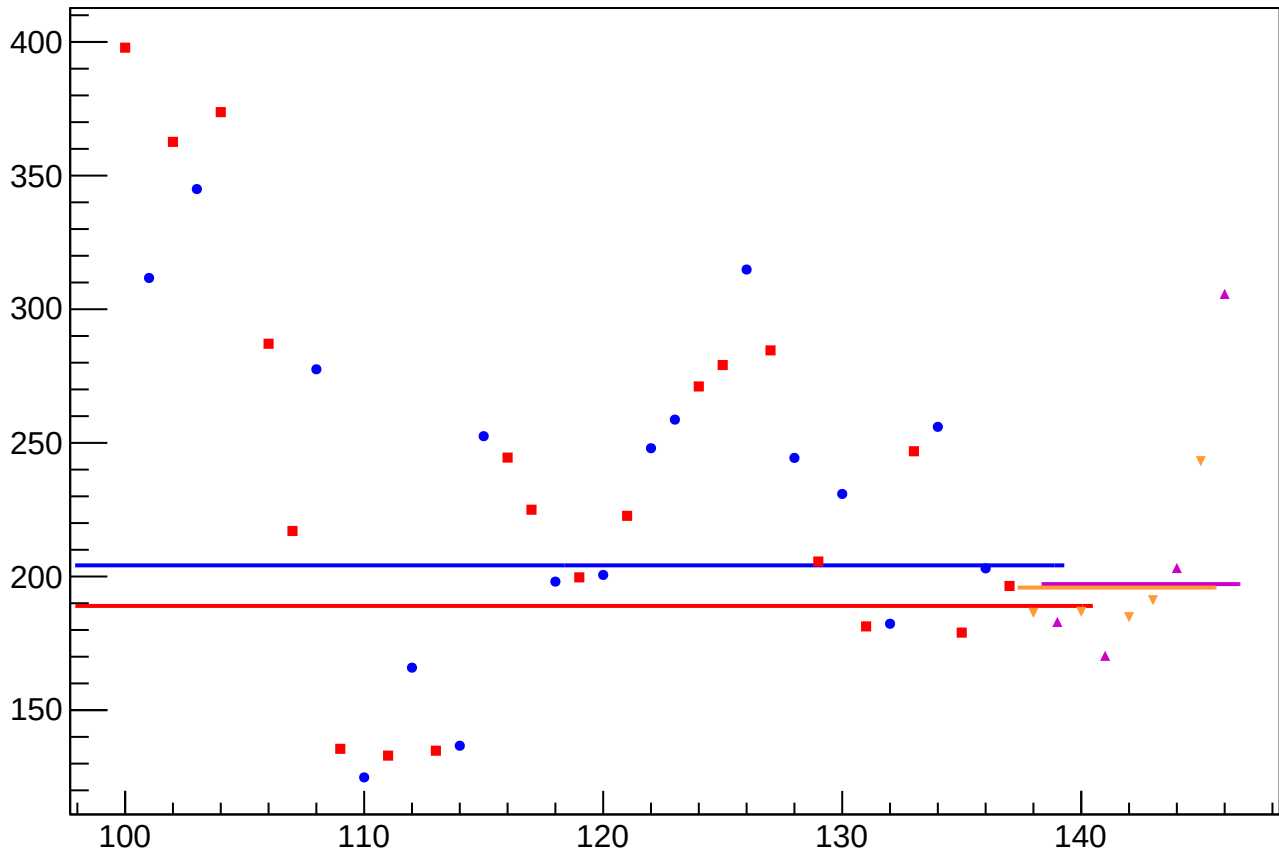
Left In: -496.670±/113.442 χ^2/NDF : 26.1/3

399.125±/66.192 χ^2/NDF : 611.8/21

-240.913±/45.592 χ^2/NDF : 1398.3/45

-818.681±/62.889 χ^2/NDF : 608.6/23

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 204.175+/-0.059 χ^2/NDF : 947438.5/16

Left Out: 195.864+/-0.077 χ^2/NDF : 68296.0/4

Right Out: 188.997+/-0.053 χ^2/NDF : 1317112.1/19

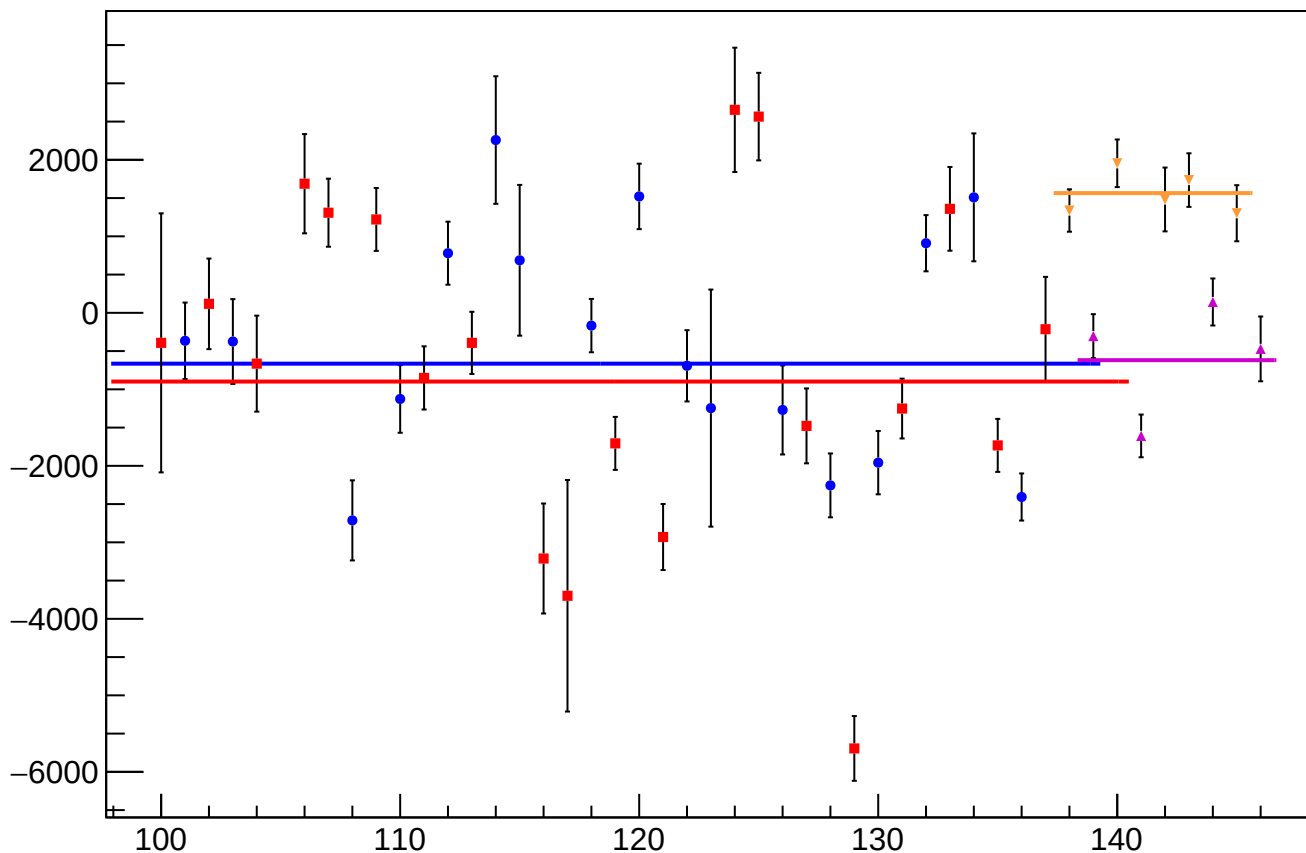
Left In: 197.163+/-0.080 χ^2/NDF : 252753.1/3

201.134+/-0.047 χ^2/NDF : 1023049.3/21

196.074+/-0.032 χ^2/NDF : 2622330.0/45

191.507+/-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: 1565.110 $\pm$ 149.591 χ^2/NDF : 3.0/4

Right Out: -898.290 $\pm$ 110.578 χ^2/NDF : 323.5/19

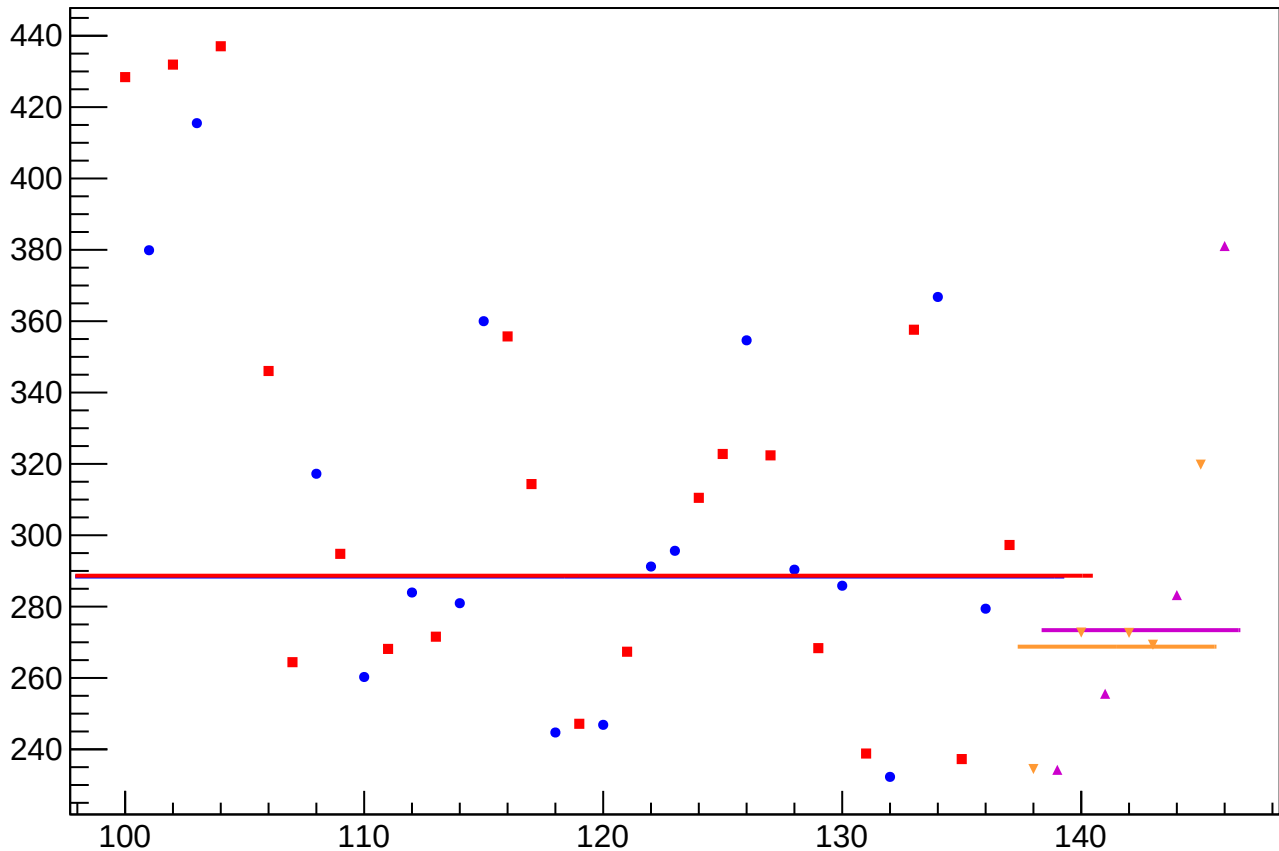
Left In: -618.820 $\pm$ 155.867 χ^2/NDF : 20.0/3

154.253 $\pm$ 90.646 χ^2/NDF : 297.9/21

-327.666 $\pm$ 63.934 χ^2/NDF : 699.8/45

-804.724 $\pm$ 90.187 χ^2/NDF : 345.7/23

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 288.428+/-0.081 χ^2/NDF : 339820.0/16

Left Out: 268.774+/-0.106 χ^2/NDF : 69889.7/4

Right Out: 288.660+/-0.078 χ^2/NDF : 455989.7/19

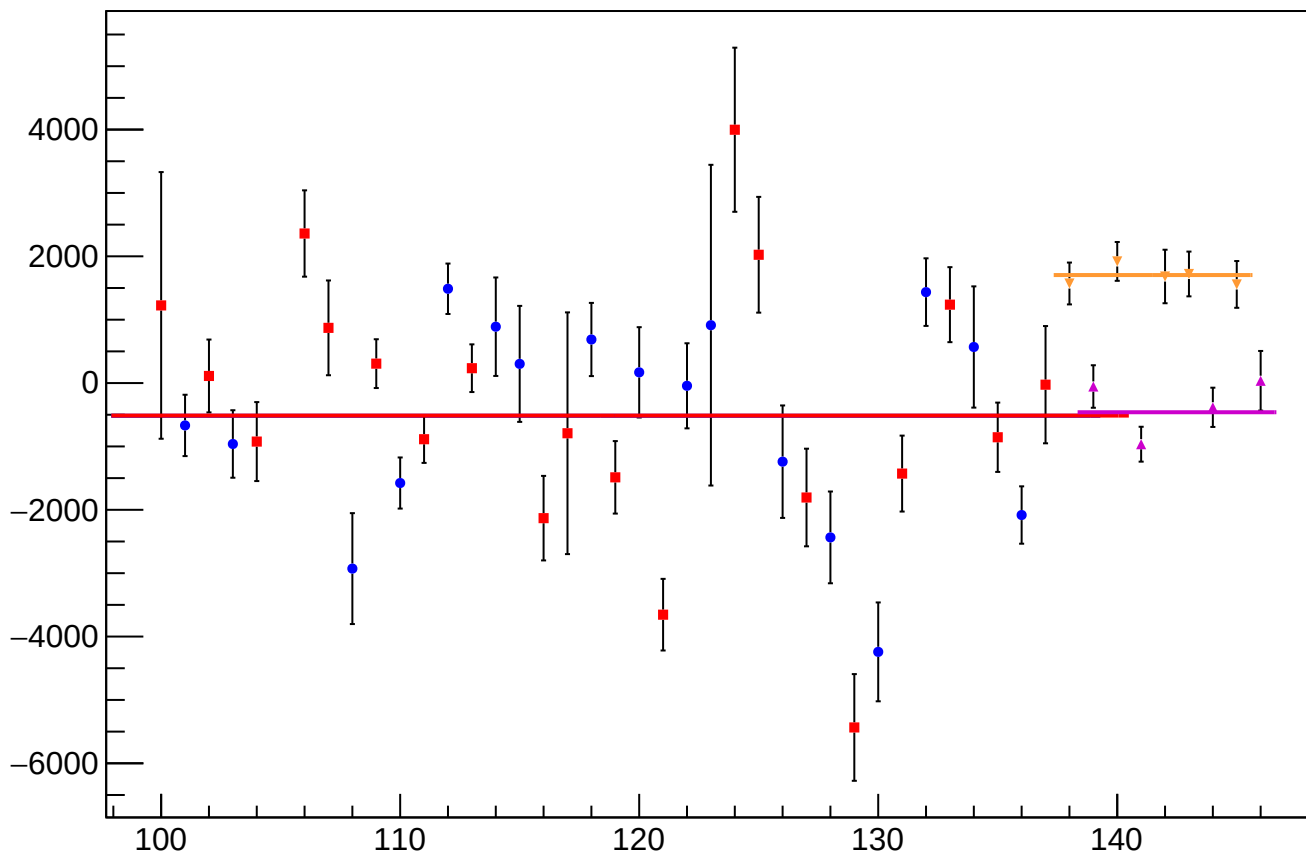
Left In: 273.401+/-0.110 χ^2/NDF : 176802.7/3

281.211+/-0.064 χ^2/NDF : 431558.1/21

282.387+/-0.045 χ^2/NDF : 1077770.1/45

283.551+/-0.064 χ^2/NDF : 645542.1/23

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -515.894 $\pm$ 147.326 χ^2/NDF : 108.0/16

Left Out: 1704.384 $\pm$ 156.560 χ^2/NDF : 0.8/4

Right Out: -513.264 $\pm$ 135.456 χ^2/NDF : 141.3/19

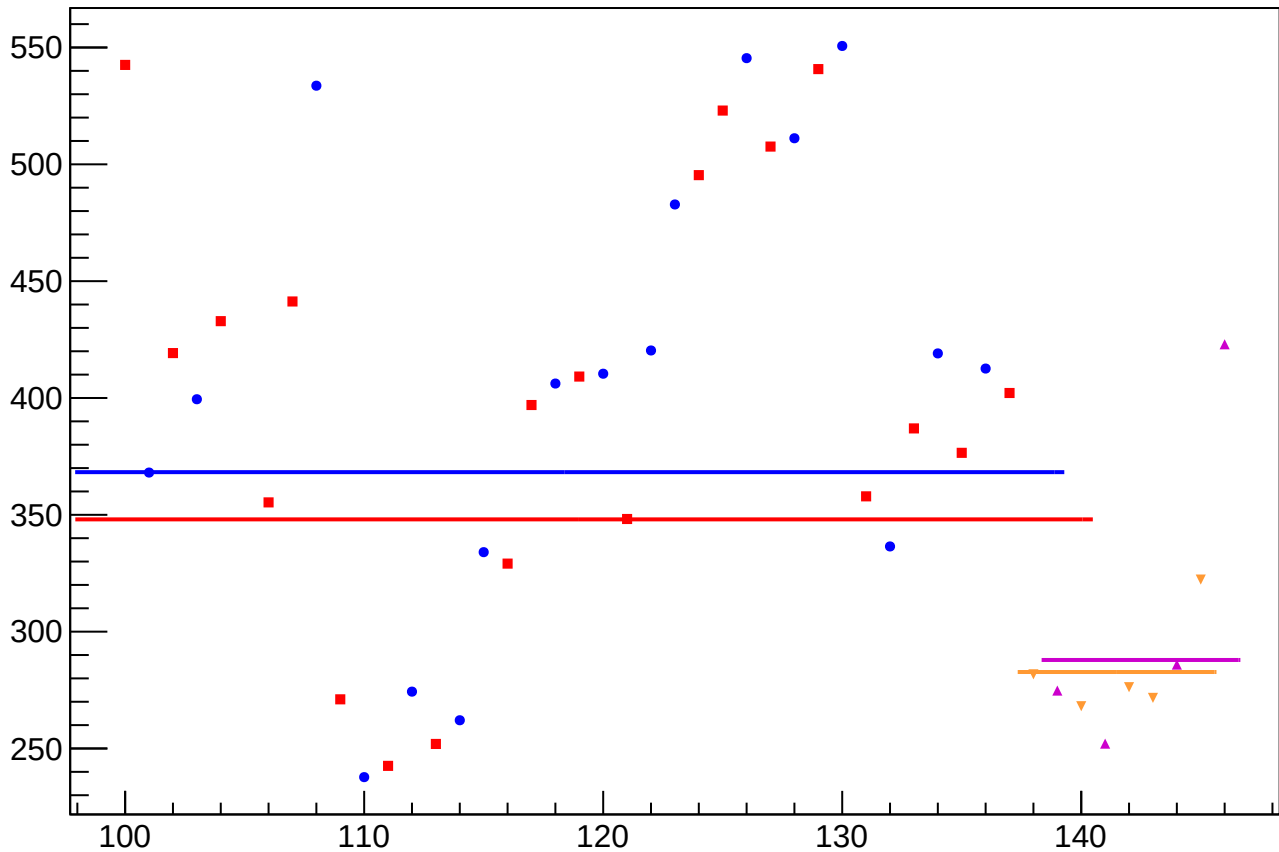
Left In: -460.422 $\pm$ 164.330 χ^2/NDF : 6.0/3

526.840 $\pm$ 107.291 χ^2/NDF : 215.5/21

4.165 $\pm$ 74.869 χ^2/NDF : 409.1/45

-491.886 $\pm$ 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: 282.732 $\pm$ 0.111 χ^2/NDF : 30009.2/4

Right Out: 348.050 $\pm$ 0.096 χ^2/NDF : 823186.4/19

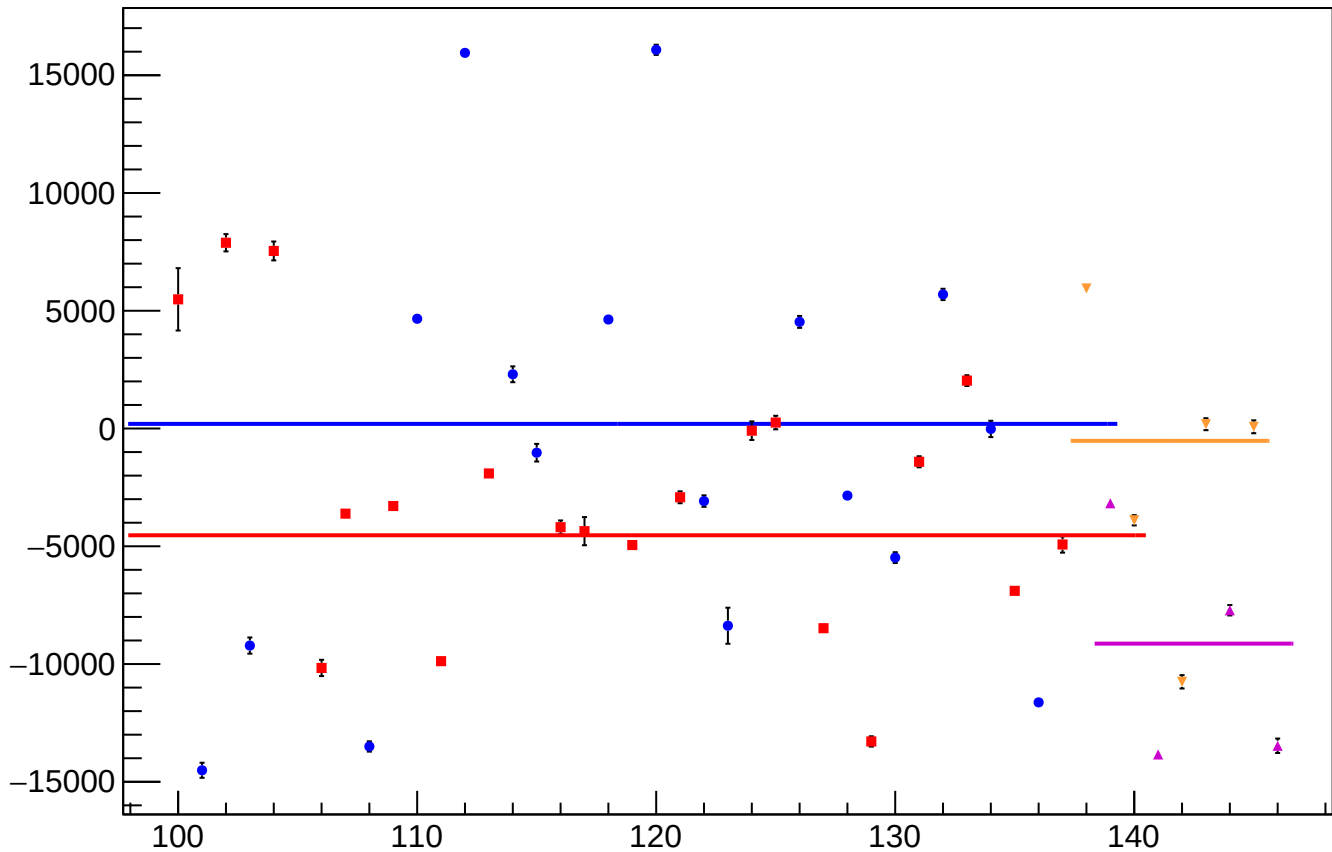
Left In: 287.880 $\pm$ 0.116 χ^2/NDF : 201735.7/3

328.095 $\pm$ 0.076 χ^2/NDF : 1116713.6/21

325.844 $\pm$ 0.053 χ^2/NDF : 2303009.4/45

323.707 $\pm$ 0.074 χ^2/NDF : 1184580.0/23

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 197.008 $\pm$ 54.799 χ^2 /NDF: 30658.3/16

Left Out: -523.086 $\pm$ 105.330 χ^2 /NDF:2720.8/4

Right Out: -4532.856 $\pm$ 52.261 χ^2 /NDF: 7477.3/19

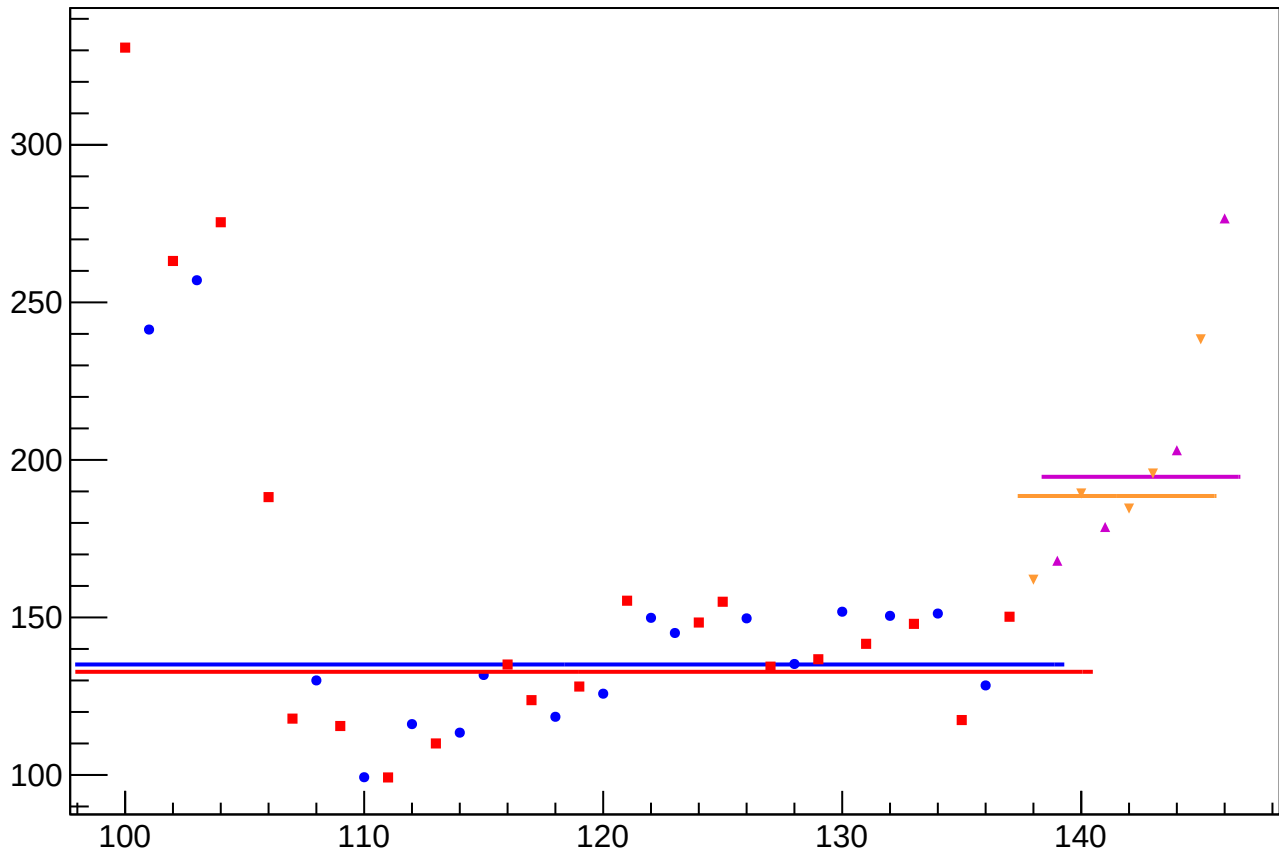
Left In: -9133.540 $\pm$ 111.231 χ^2 /NDF:1654.7/3

43.620 $\pm$ 48.613 χ^2 /NDF: 33415.9/21

-2734.606 $\pm$ 33.901 χ^2 /NDF: 50307.5/45

-5364.811 $\pm$ 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: 188.548 $\pm$ 0.074 χ^2/NDF : 106995.0/4

Right Out: 132.747 $\pm$ 0.037 χ^2/NDF : 831647.2/19

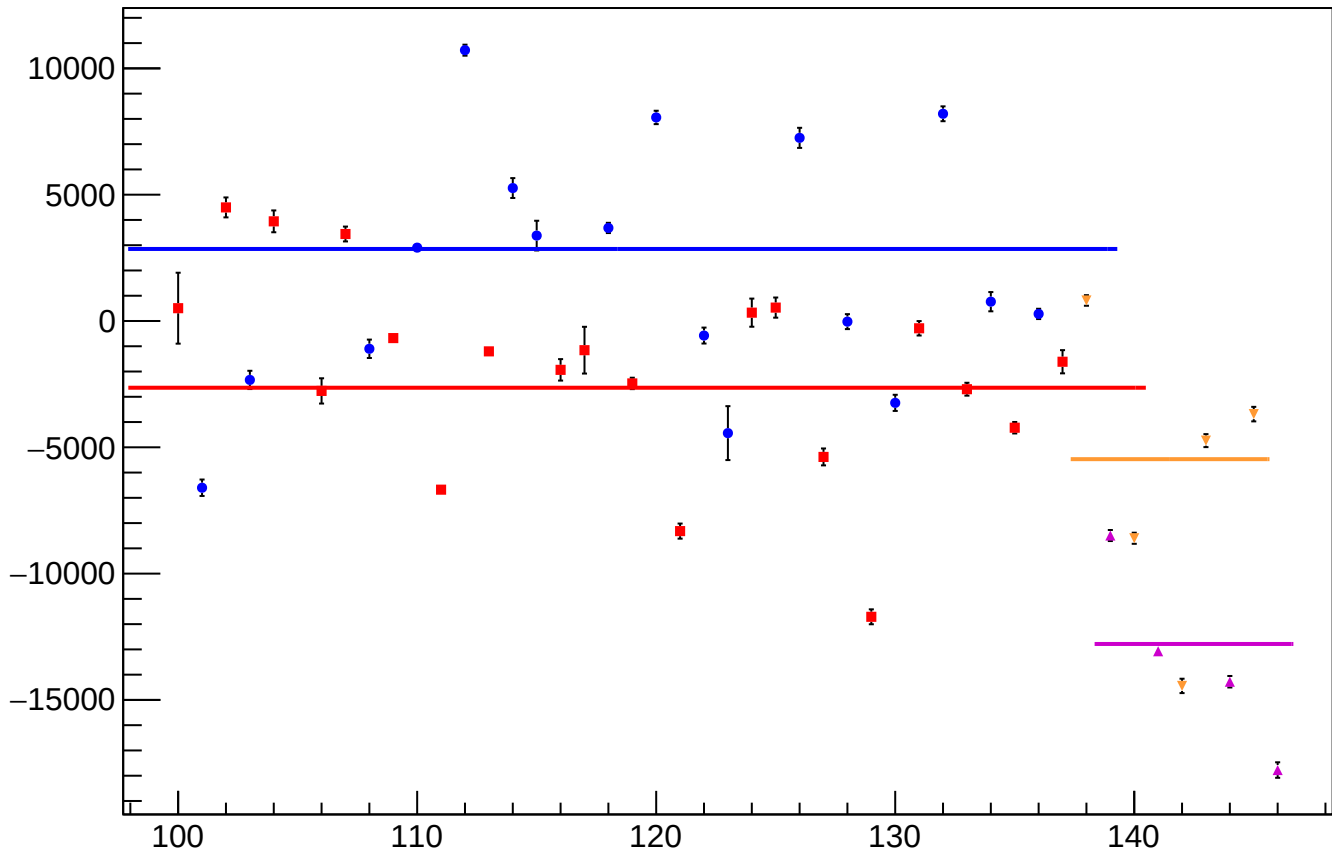
Left In: 194.641 $\pm$ 0.079 χ^2/NDF : 192100.9/3

146.463 $\pm$ 0.034 χ^2/NDF : 1171411.1/21

145.167 $\pm$ 0.024 χ^2/NDF : 2705205.6/45

143.940 $\pm$ 0.033 χ^2/NDF : 1531026.4/23

asym_bpm0i02aWS_mean vs Slug, Sign Corrected

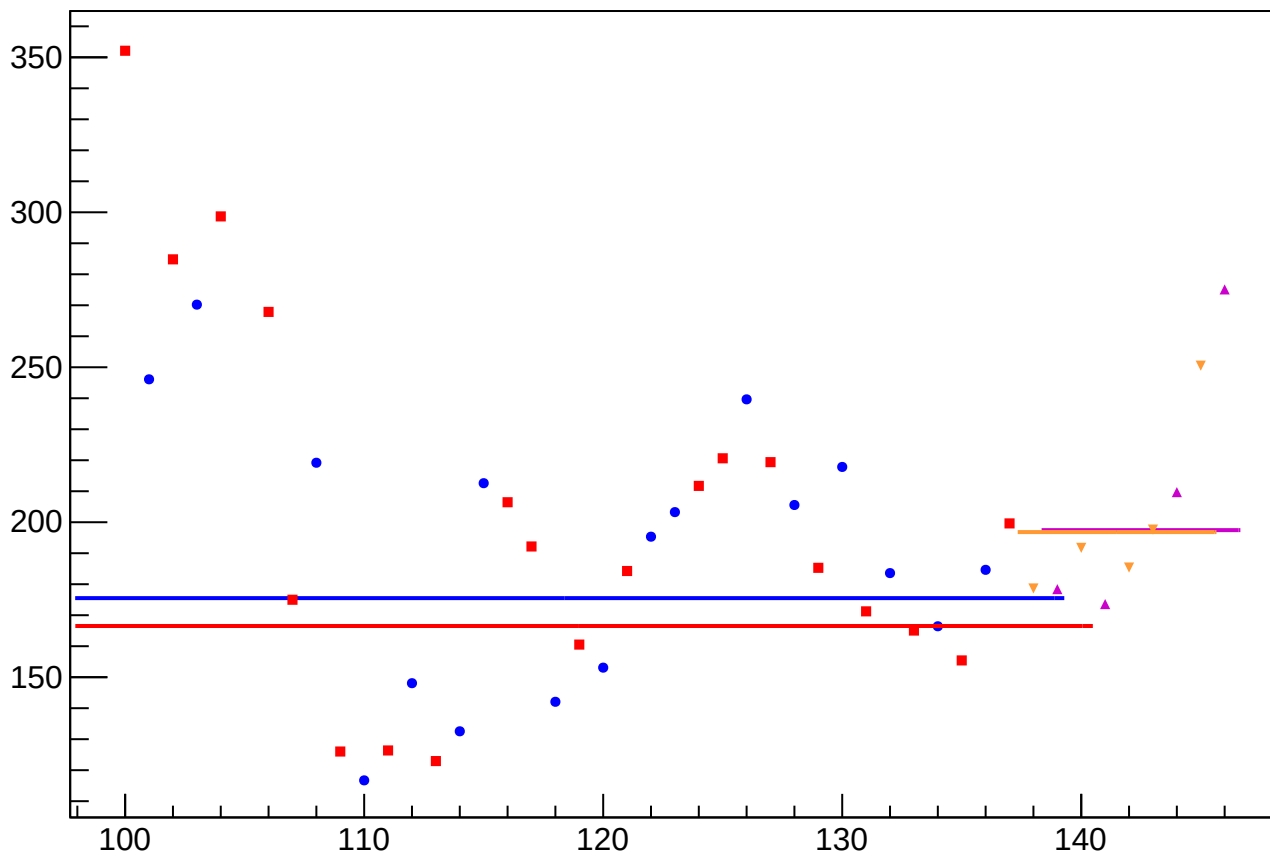


407.823 +/- 59.463 χ^2/NDF : 10384.3/21

-2532.755 +/- 41.028 χ^2/NDF : 24973.0/45

-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: 196.822 +/- 0.078 χ^2/NDF : 89099.5/4

Right Out: 166.522 +/- 0.046 χ^2/NDF : 931079.9/19

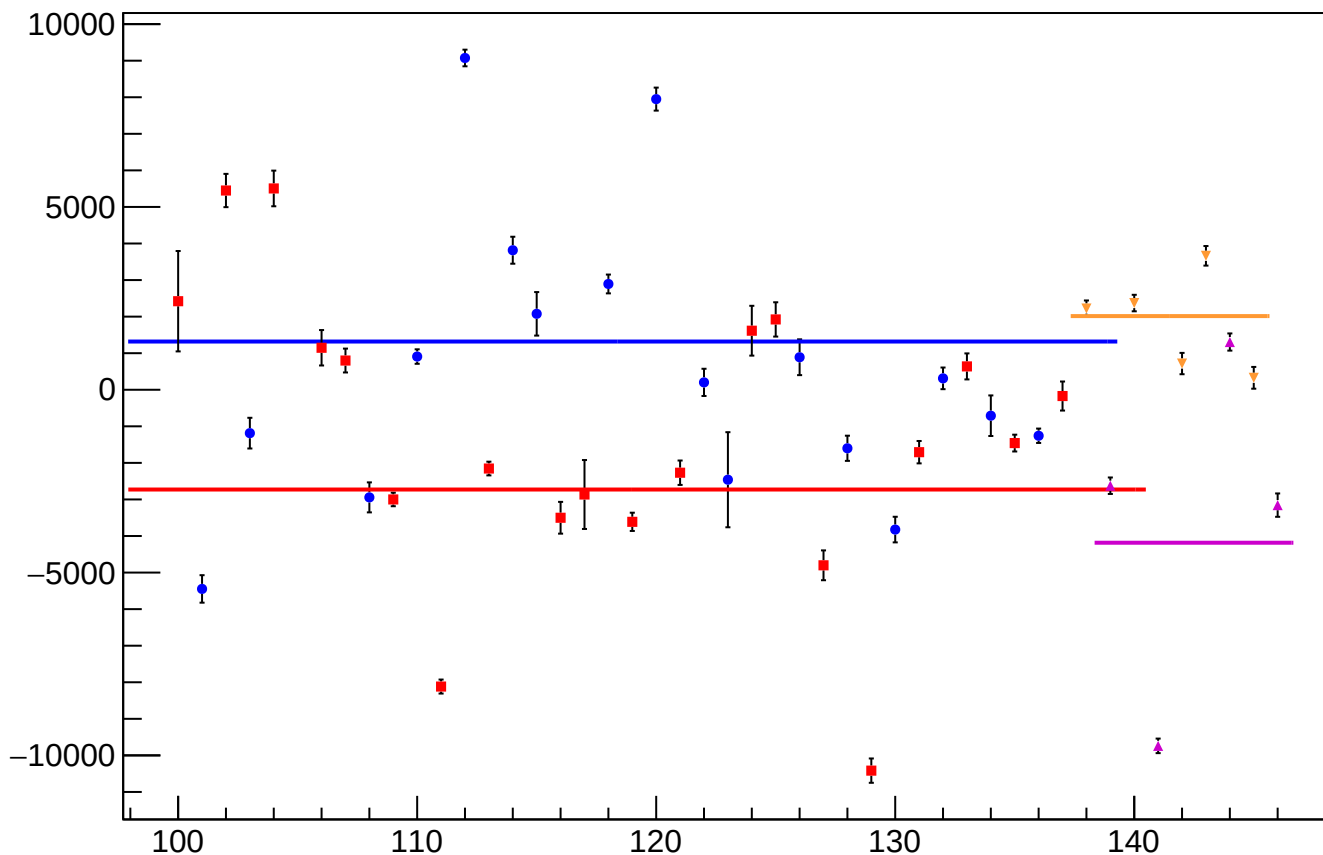
Left In: 197.453 +/- 0.080 χ^2/NDF : 180672.5/3

181.772 +/- 0.042 χ^2/NDF : 832013.6/21

177.877 +/- 0.029 χ^2/NDF : 2072611.3/45

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: 2014.564+/-113.790 χ^2/NDF : 93.2/4

Right Out: -2728.550+/-69.837 χ^2/NDF : 2495.9/19

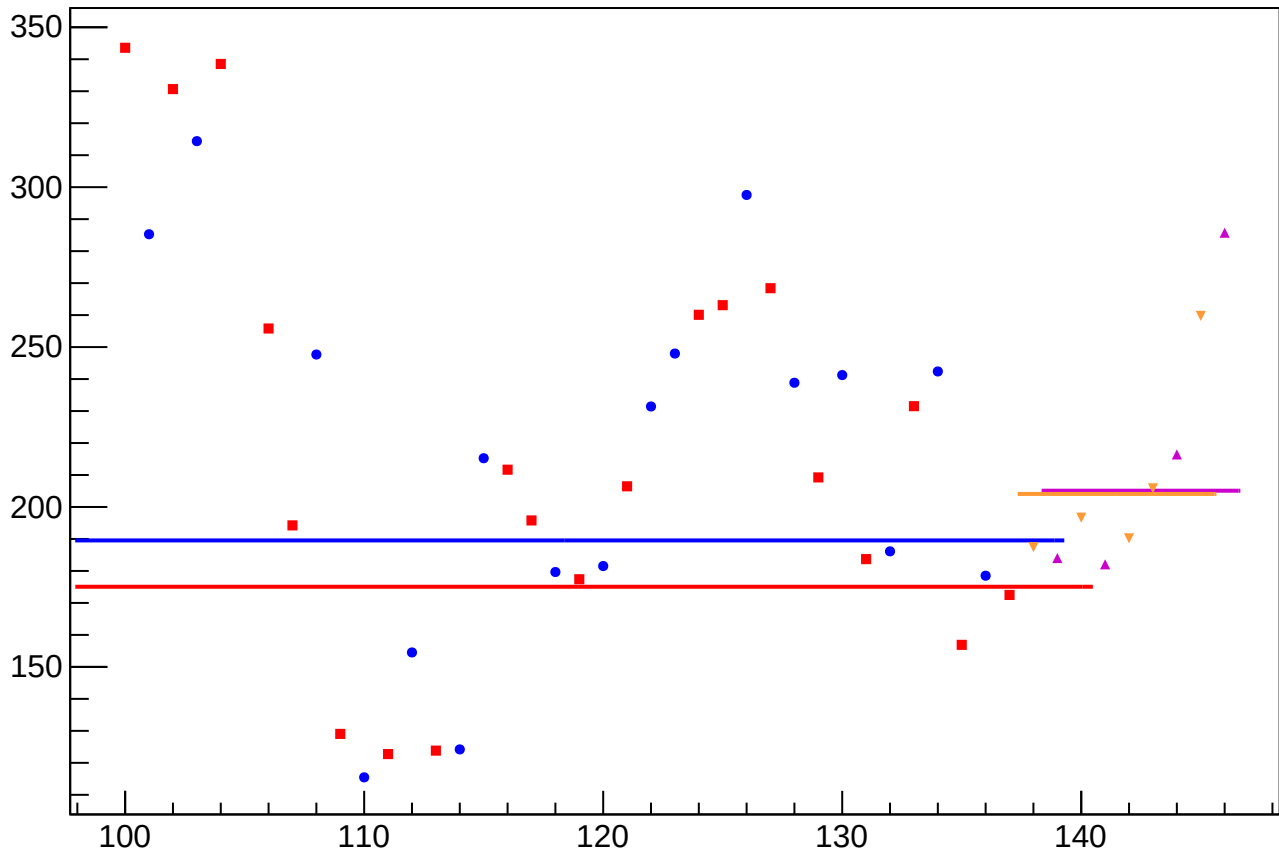
Left In: -4183.811+/-117.156 χ^2/NDF : 1383.5/3

1538.037+/-63.854 χ^2/NDF : 2785.8/21

-931.013+/-43.721 χ^2/NDF : 9593.8/45

-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: 204.080 $\pm$ 0.080 χ^2 /NDF: 88061.7/4

Right Out: 175.058 $\pm$ 0.049 χ^2 /NDF: 1298079.7/19

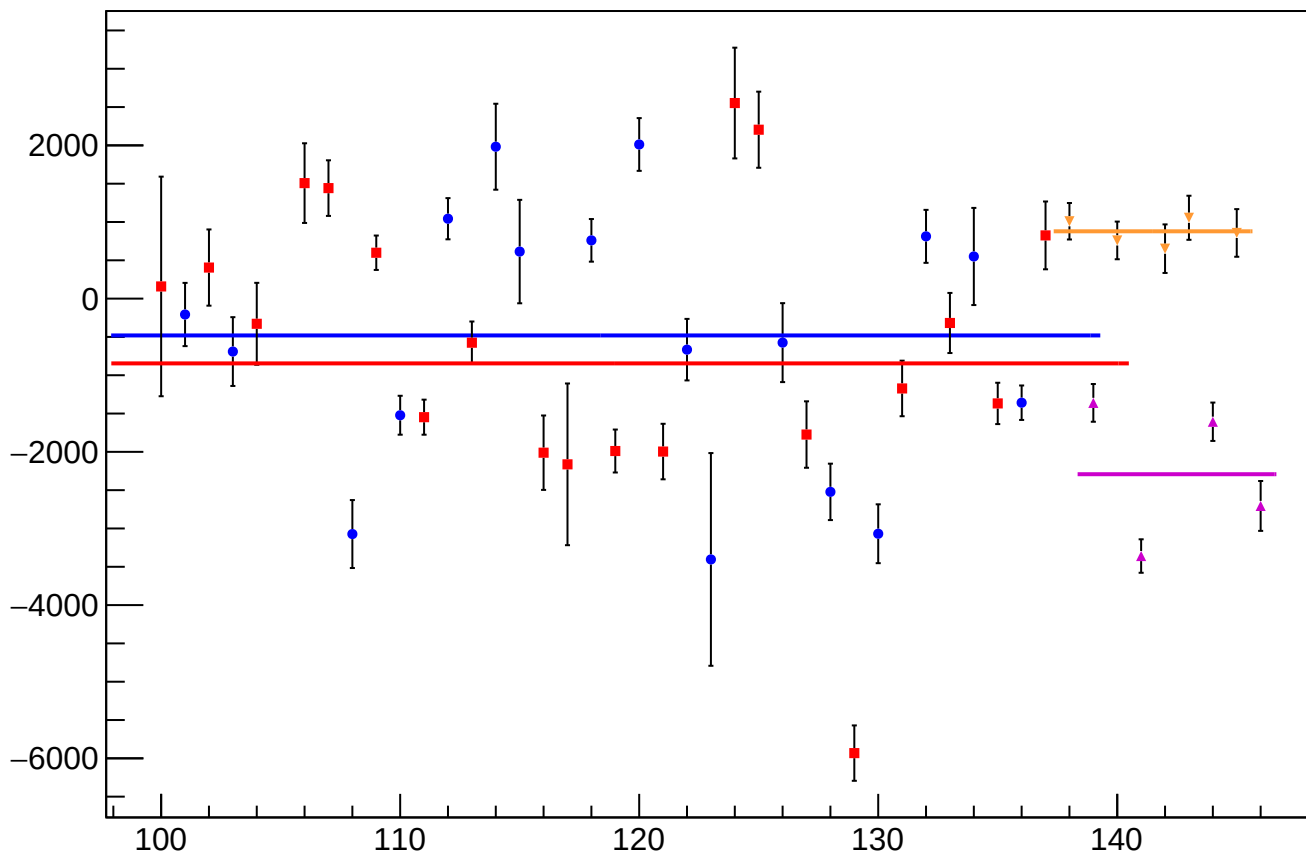
Left In: 205.089 $\pm$ 0.083 χ^2 /NDF: 176309.3/3

194.122 $\pm$ 0.045 χ^2 /NDF: 1091162.9/21

188.177 $\pm$ 0.031 χ^2 /NDF: 2695136.0/45

182.931 $\pm$ 0.042 χ^2 /NDF: 1571346.5/23

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -480.578 $\pm$ 88.640 χ^2/NDF : 290.7/16

Left Out: 878.528 $\pm$ 122.546 χ^2/NDF : 1.4/4

Right Out: -845.444 $\pm$ 81.995 χ^2/NDF : 436.9/19

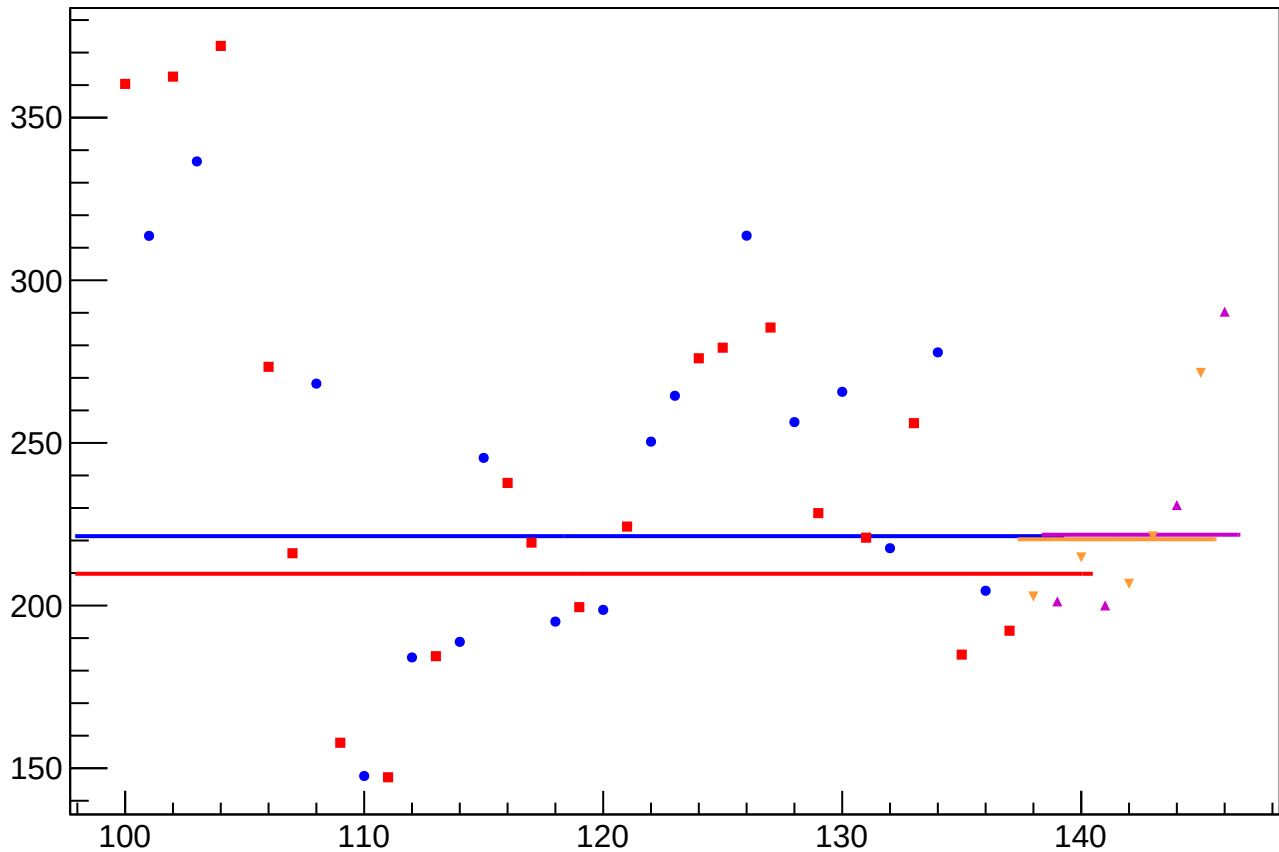
Left In: -2291.826 $\pm$ 126.148 χ^2/NDF : 47.3/3

-13.746 $\pm$ 71.821 χ^2/NDF : 372.9/21

-671.948 $\pm$ 49.663 χ^2/NDF : 1110.4/45

-1275.027 $\pm$ 68.748 χ^2/NDF : 576.6/23

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.342 +/- 0.063 χ^2/NDF : 645688.1/16

Left Out: 220.386 +/- 0.087 χ^2/NDF : 69801.2/4

Right Out: 209.775 +/- 0.058 χ^2/NDF : 884083.7/19

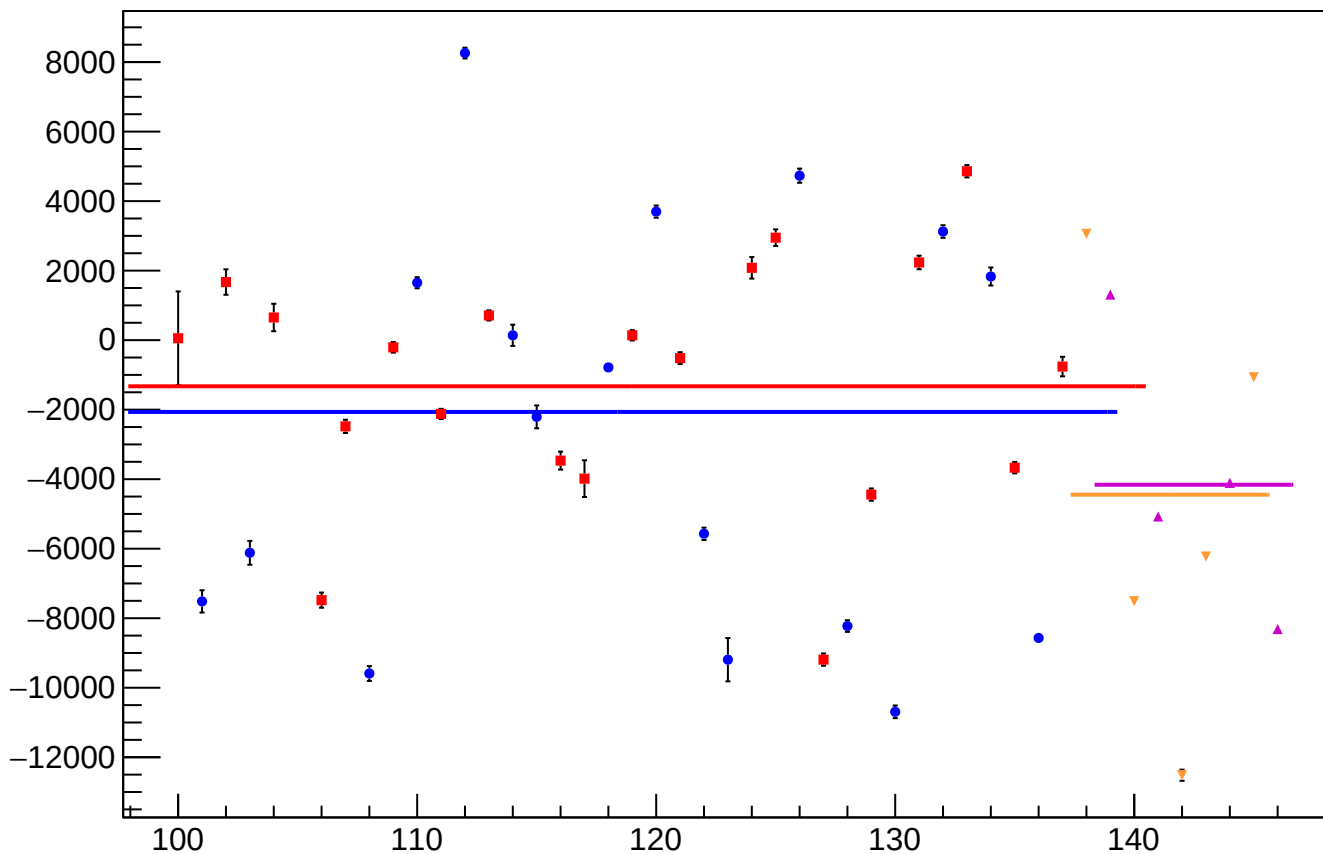
Left In: 221.780 +/- 0.089 χ^2/NDF : 125080.9/3

221.014 +/- 0.051 χ^2/NDF : 715569.2/21

217.009 +/- 0.035 χ^2/NDF : 1749381.0/45

213.340 +/- 0.049 χ^2/NDF : 1021898.3/23

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -4446.304 ± 61.070 $\chi^2/\text{NDF}: 7225.2/4$

Right Out: -1327.819 ± 44.838 $\chi^2/\text{NDF}: 5919.9/19$

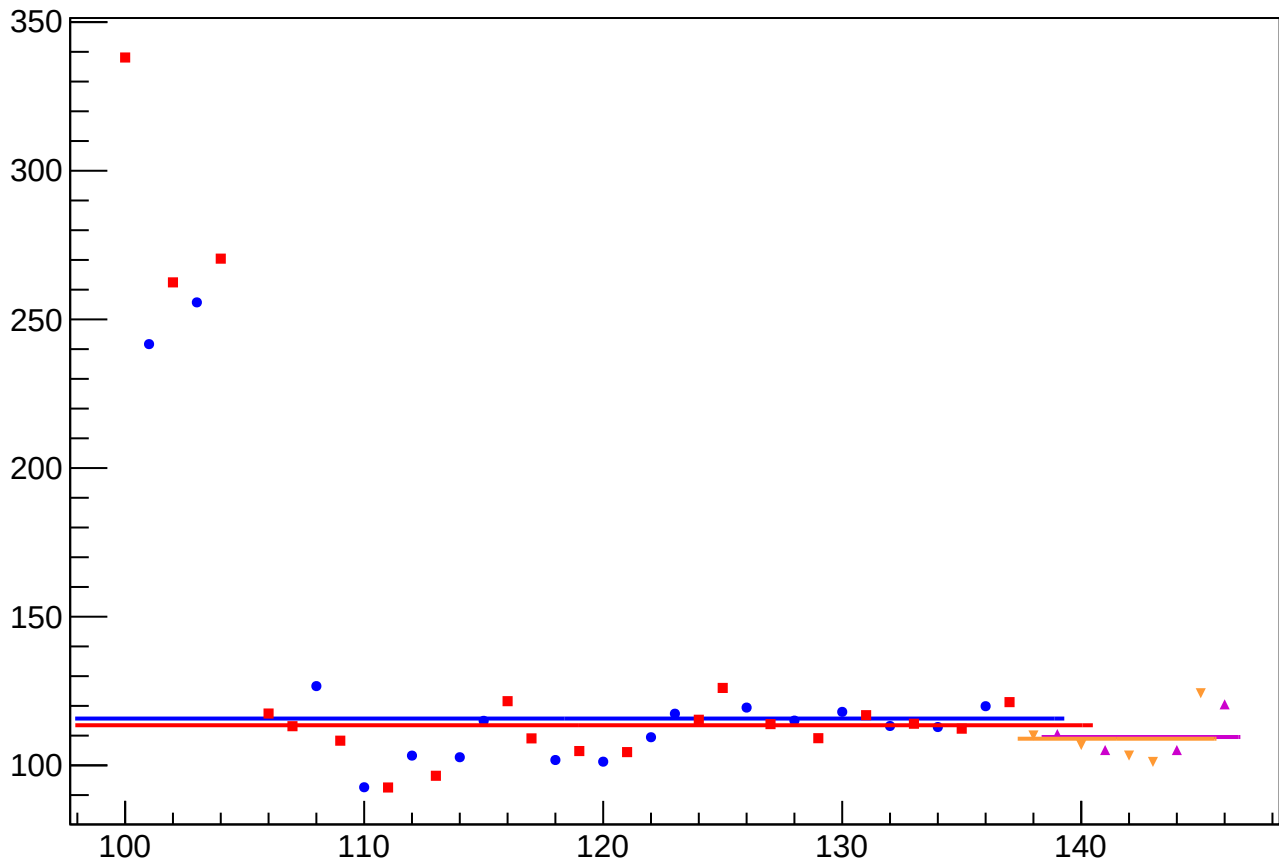
Left In: -4160.718 ± 62.255 $\chi^2/\text{NDF}: 2603.6/3$

-2958.494 ± 37.406 $\chi^2/\text{NDF}: 24708.3/21$

-2617.769 ± 26.081 $\chi^2/\text{NDF}: 34756.7/45$

-2295.416 ± 36.384 $\chi^2/\text{NDF}: 9886.9/23$

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 ± 0.033 $\chi^2/\text{NDF}: 744017.7/16$

Left Out: 108.958 ± 0.043 $\chi^2/\text{NDF}: 32745.3/4$

Right Out: 113.487 ± 0.032 $\chi^2/\text{NDF}: 796781.7/19$

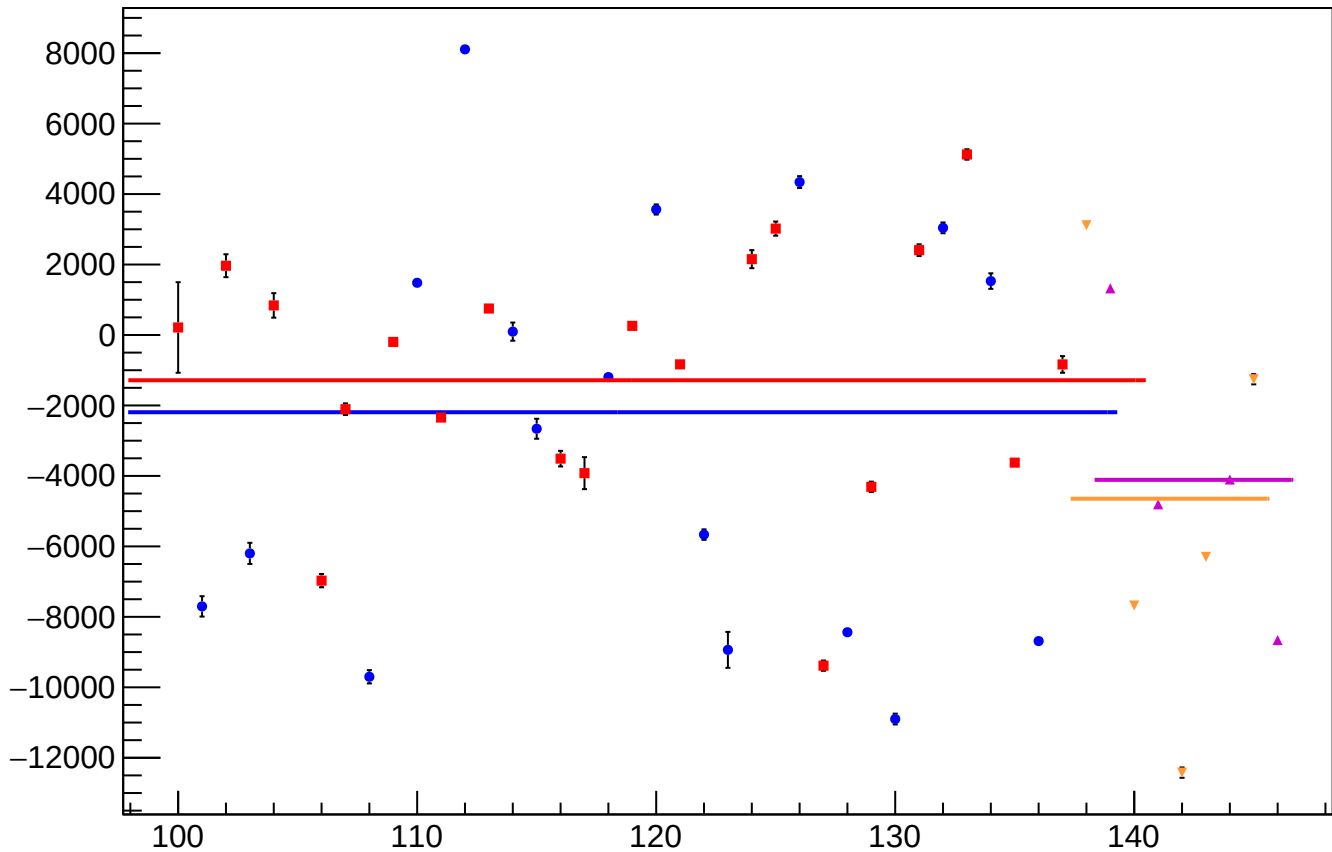
Left In: 109.533 ± 0.044 $\chi^2/\text{NDF}: 19112.9/3$

113.196 ± 0.026 $\chi^2/\text{NDF}: 792176.0/21$

112.651 ± 0.018 $\chi^2/\text{NDF}: 1614208.7/45$

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: -4647.081+/-56.279 χ^2/NDF : 8575.0/4

Right Out: -1284.692+/-37.915 χ^2/NDF : 8584.4/19

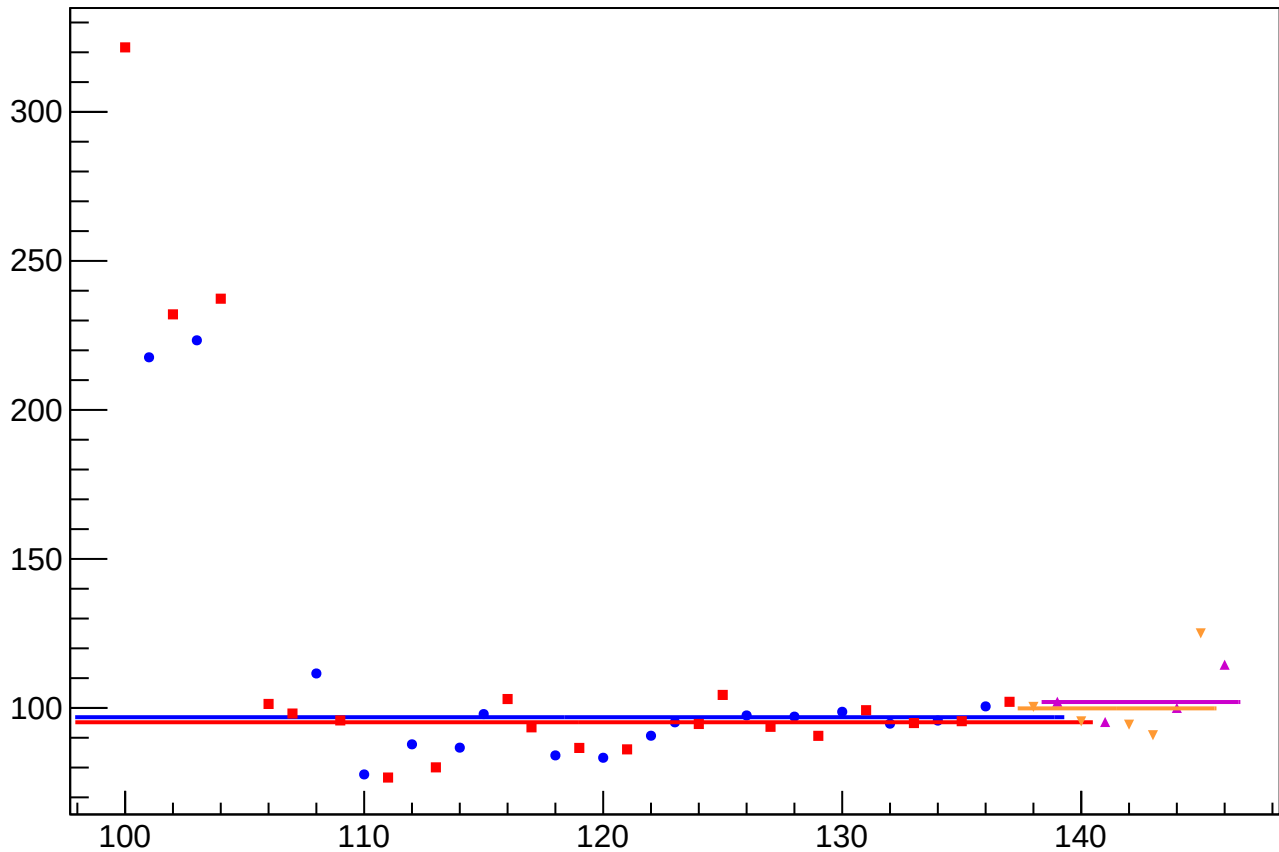
Left In: -4111.450+/-58.080 χ^2/NDF : 3143.8/3

-3014.649+/-32.573 χ^2/NDF : 32653.7/21

-2560.671+/-22.736 χ^2/NDF : 46421.7/45

-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: 99.856 $\pm$ 0.040 χ^2 /NDF: 77684.0/4

Right Out: 95.201 $\pm$ 0.027 χ^2 /NDF: 859838.2/19

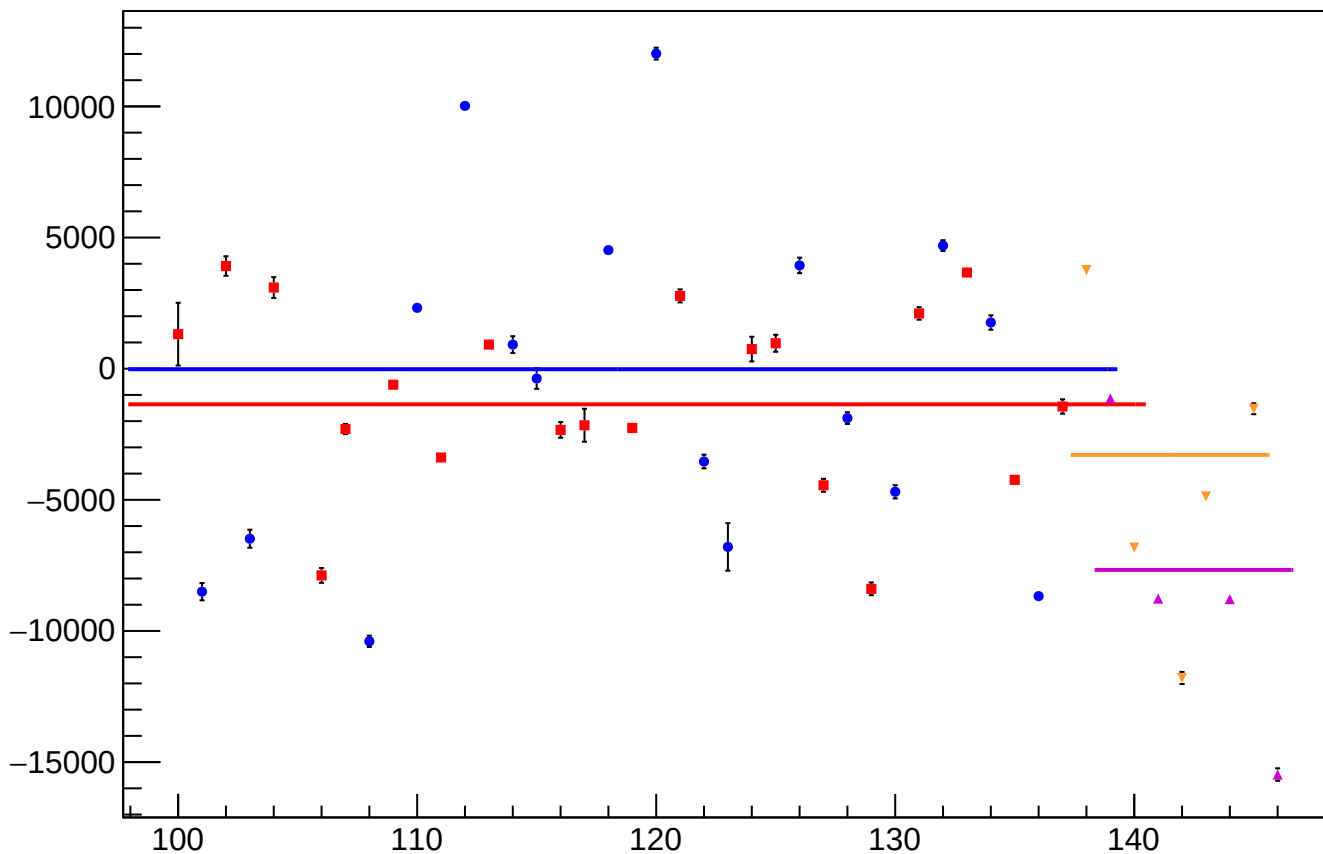
Left In: 101.988 $\pm$ 0.041 χ^2 /NDF: 27839.7/3

97.886 $\pm$ 0.023 χ^2 /NDF: 898597.7/21

97.549 $\pm$ 0.016 χ^2 /NDF: 1805839.2/45

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: -3287.005+/-83.720 χ^2/NDF : 3895.2/4

Right Out: -1359.001+/-52.186 χ^2/NDF : 3838.8/19

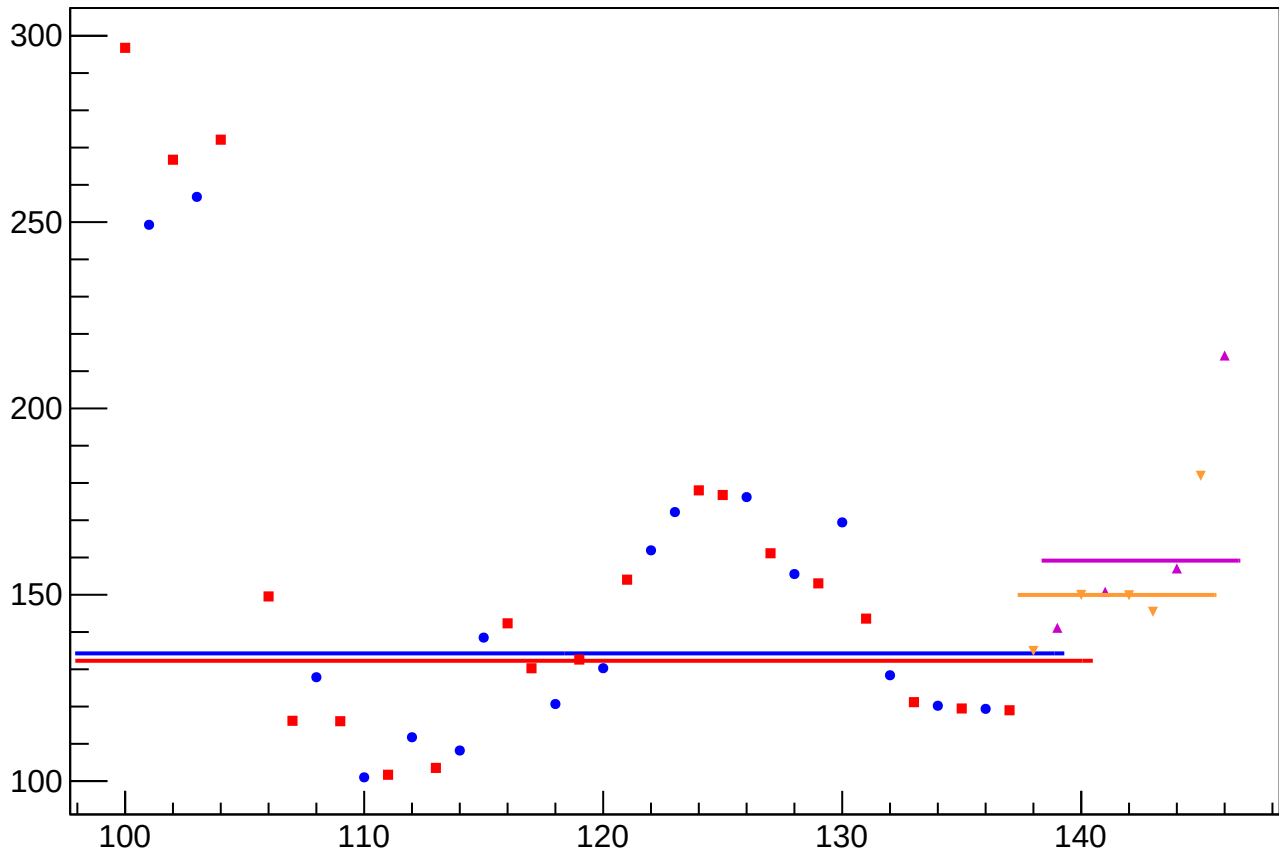
Left In: -7671.386+/-90.714 χ^2/NDF : 2574.6/3

-995.977+/-45.759 χ^2/NDF : 21324.1/21

-1973.433+/-32.170 χ^2/NDF : 32277.8/45

-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: 149.958 $\pm$ 0.059 χ^2/NDF : 65723.8/4

Right Out: 132.288 $\pm$ 0.037 χ^2/NDF : 869913.4/19

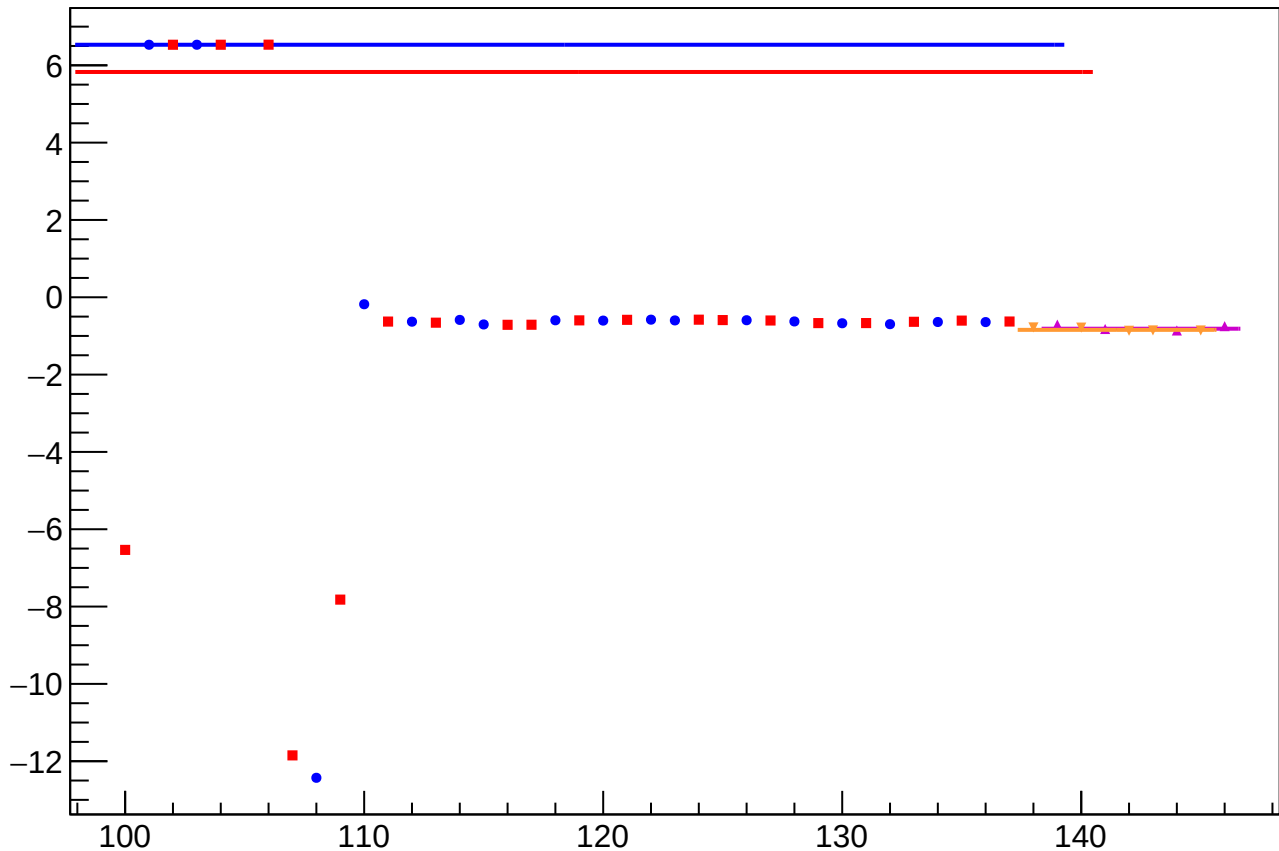
Left In: 159.162 $\pm$ 0.064 χ^2/NDF : 133980.6/3

138.955 $\pm$ 0.032 χ^2/NDF : 903634.8/21

138.963 $\pm$ 0.023 χ^2/NDF : 2039407.9/45

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: -0.843+/-0.000 χ^2/NDF : 3112970.0/4

Right Out: 5.827+/-0.000 χ^2/NDF : 755949520765363.8/19

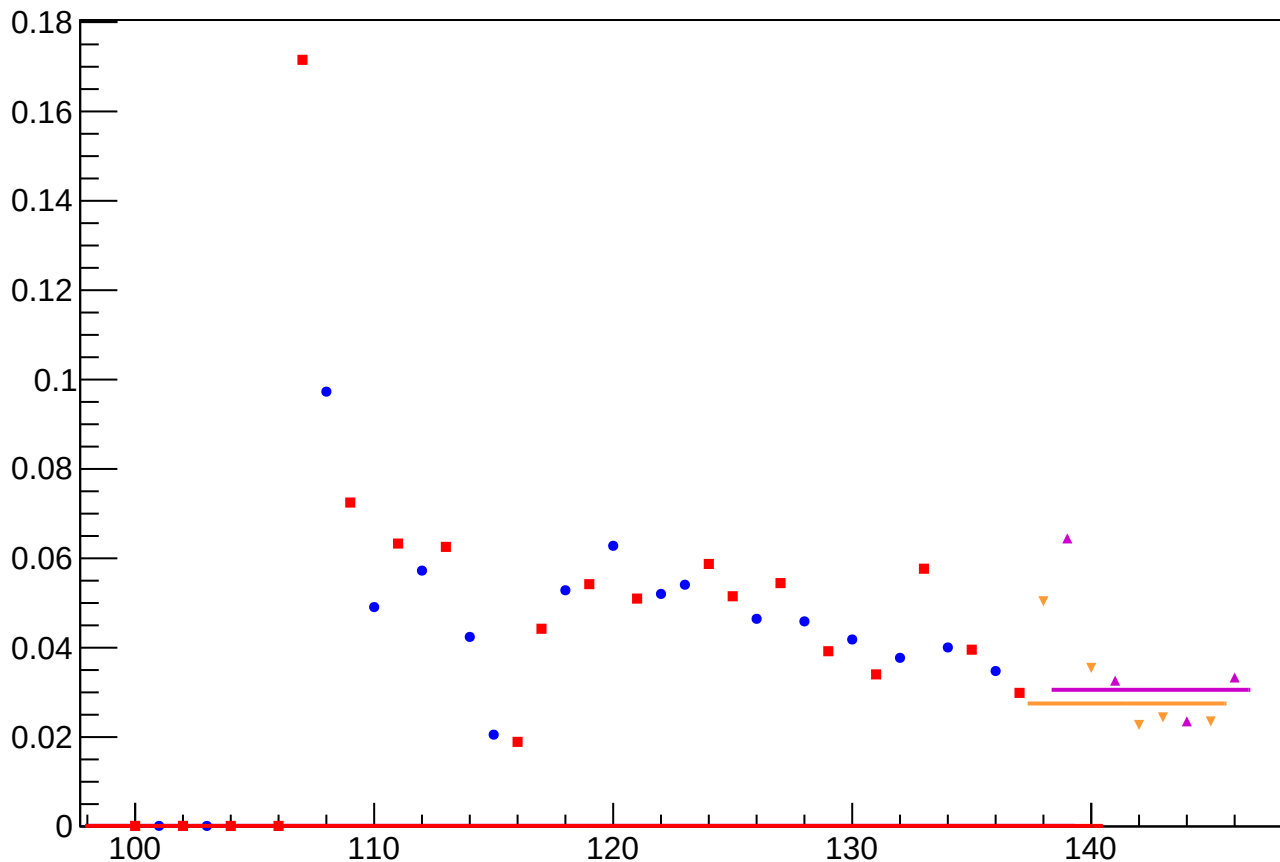
Left In: -0.813+/-0.000 χ^2/NDF : 6745792.4/3

6.531+/-0.000 χ^2/NDF : 286882242550.4/21

6.155+/-0.000 χ^2/NDF : 77634106269169

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 : 376211.2/4

Right Out: 0.000+/-0.000 χ^2/NDF : 9453181.1/19

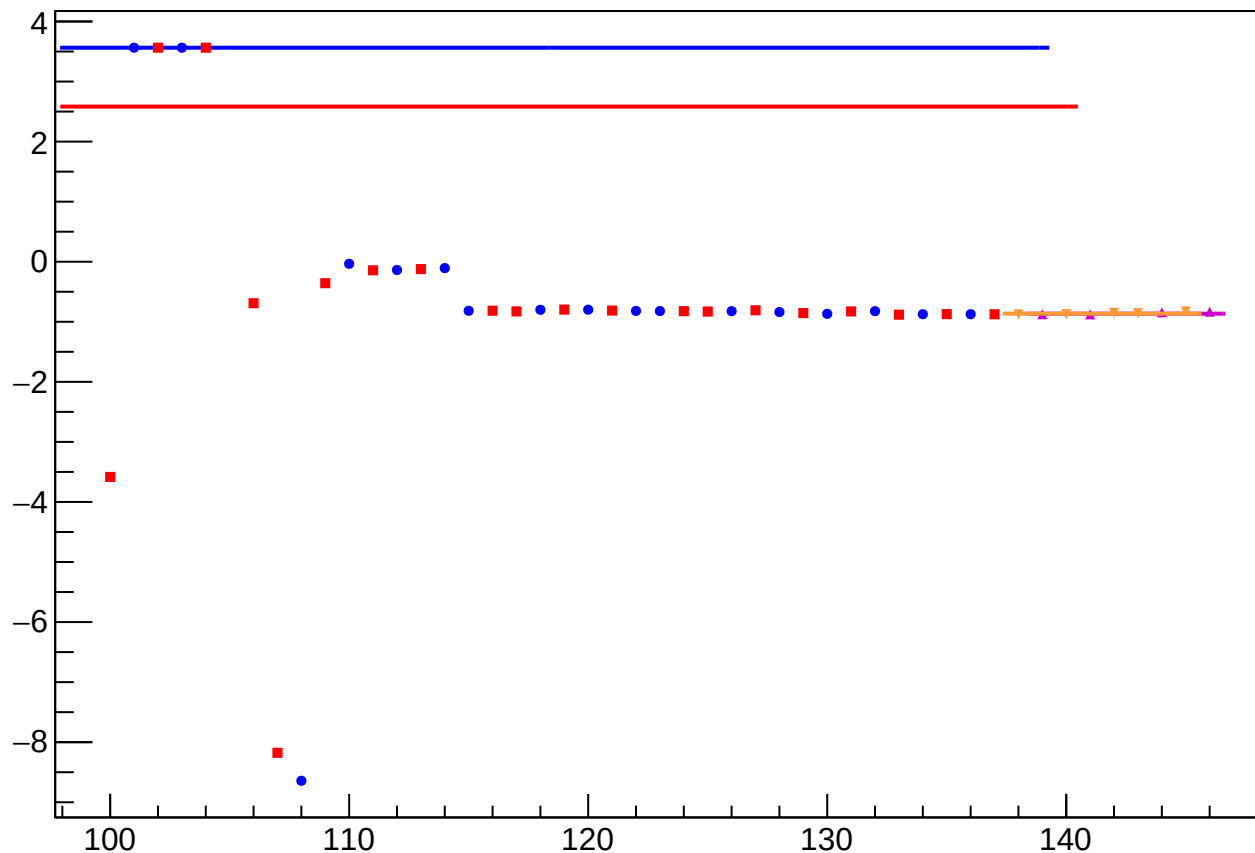
Left In: 0.031+/-0.000 χ^2/NDF : 488645.8/3

0.000+/-0.000 χ^2/NDF : 13791220.1/21

0.000+/-0.000 χ^2/NDF : 28208129.2/45

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: -0.864+/-0.000 χ^2/NDF : 11512048.4/4

Right Out: 2.583+/-0.000 χ^2/NDF : 1253506756008351.0/19

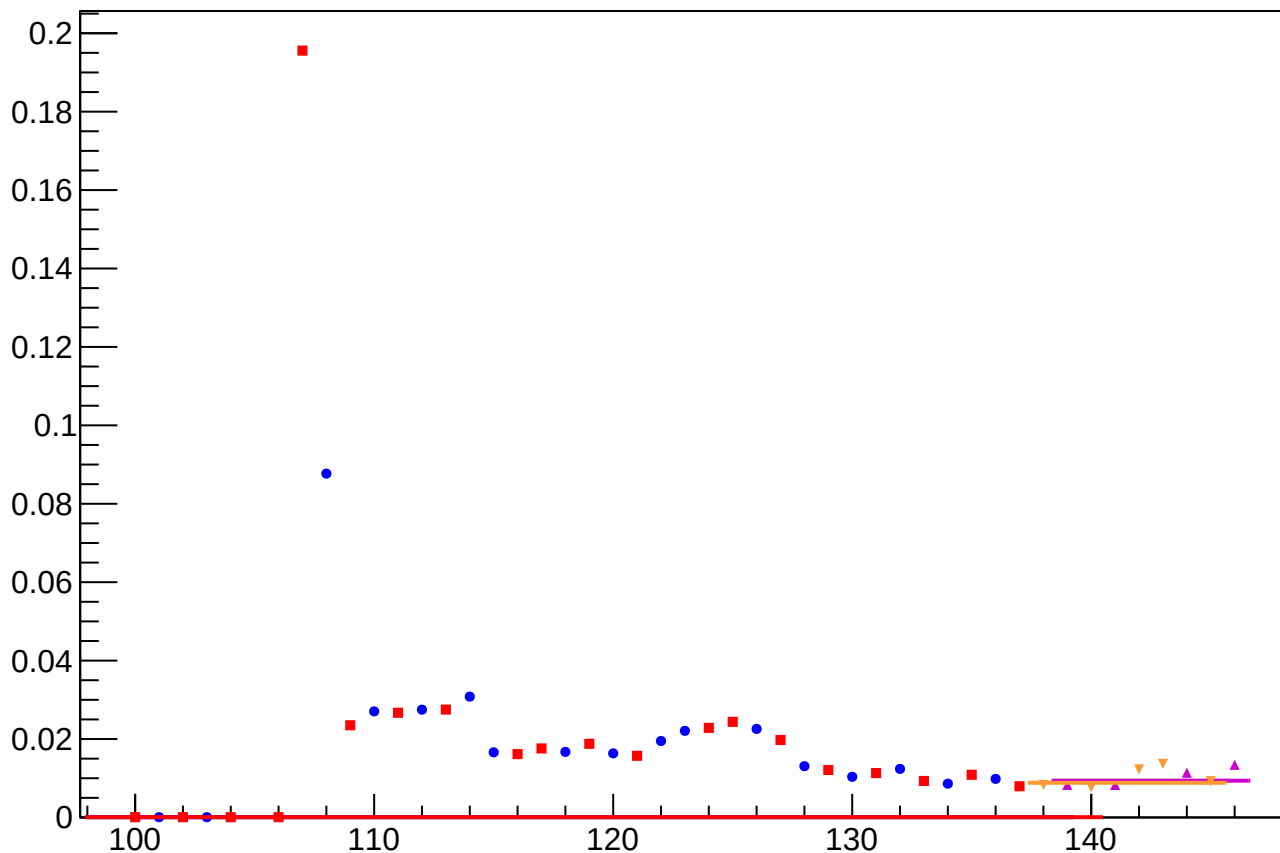
Left In: -0.865+/-0.000 χ^2/NDF : 8372216.6/3

3.563+/-0.000 χ^2/NDF : 1149899121613.5/21

3.040+/-0.000 χ^2/NDF : 13832278229449

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 χ^2/NDF : 190887.3/4

Right Out: 0.000 +/- 0.000 χ^2/NDF : 9955781.5/19

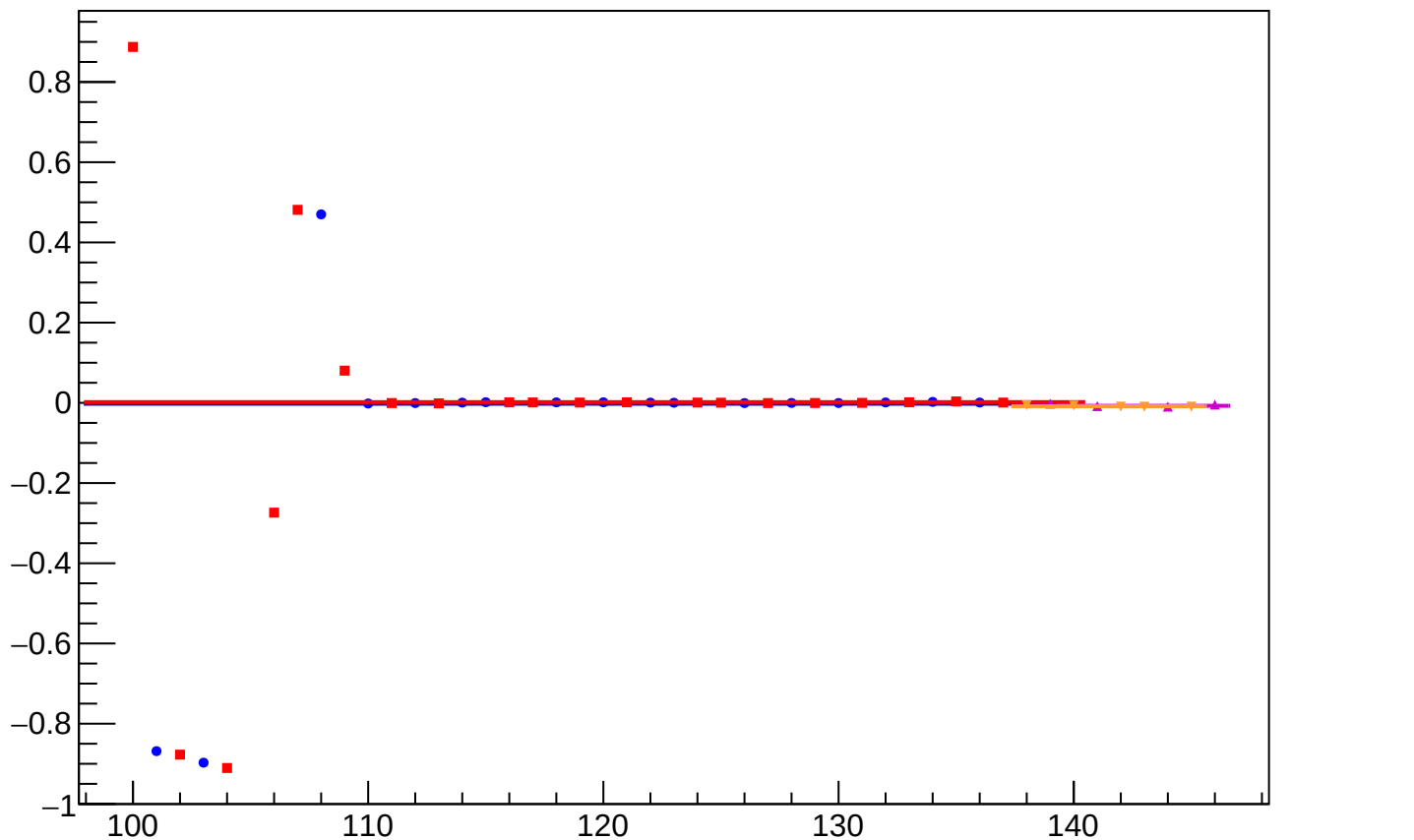
Left In: 0.009 +/- 0.000 χ^2/NDF : 201844.5/3

0.000 +/- 0.000 χ^2/NDF : 15257049.5/21

0.000 +/- 0.000 χ^2/NDF : 30502700.7/45

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: -0.009+/-0.000 χ^2/NDF : 2550368.8/4

Right Out: 0.002+/-0.000 χ^2/NDF : 3041335141.0/19

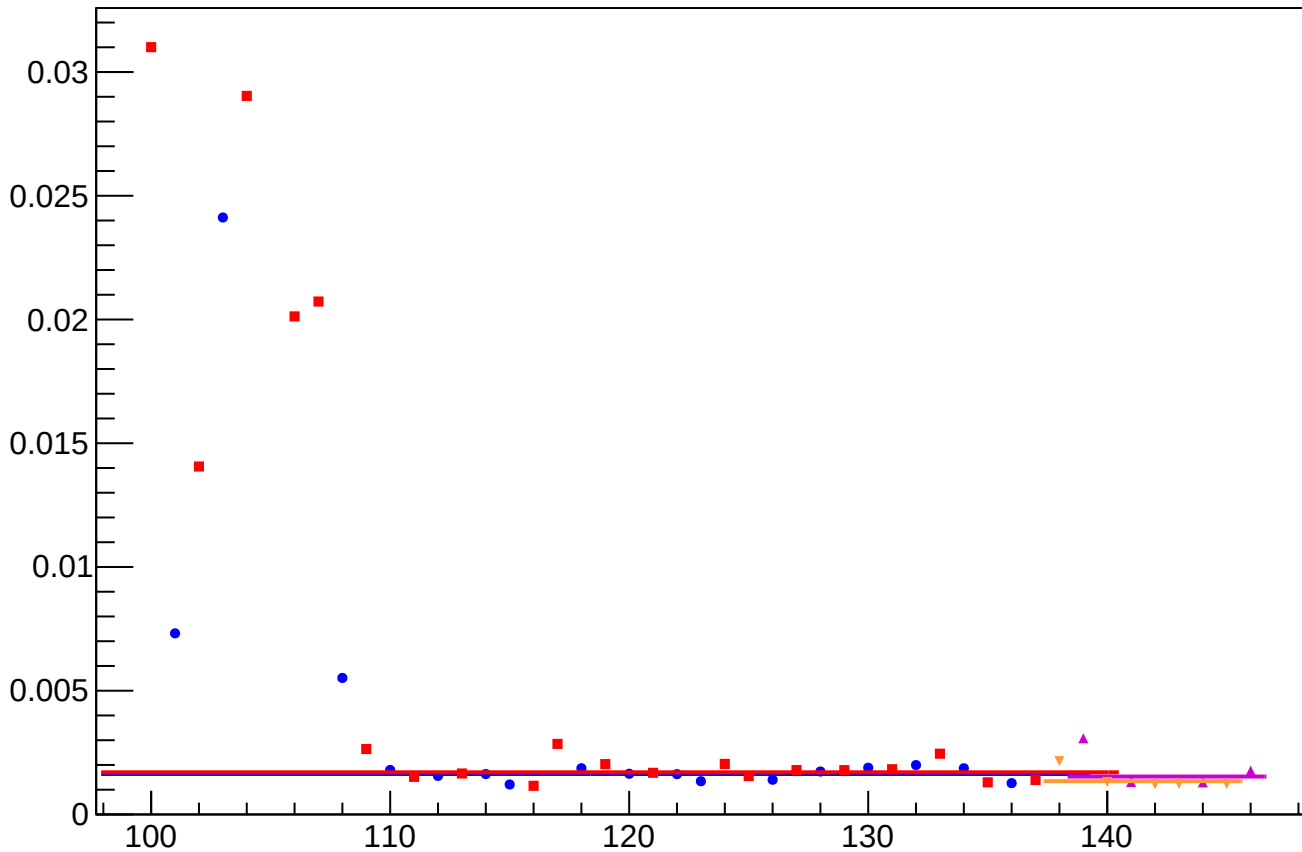
Left In: -0.007+/-0.000 χ^2/NDF : 5805836.4/3

-0.005+/-0.000 χ^2/NDF : 9826357604.4/21

-0.003+/-0.000 χ^2/NDF : 12938920251.4/4

-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 : 189626.9/4

Right Out: 0.002+/-0.000 χ^2/NDF : 3038397.4/19

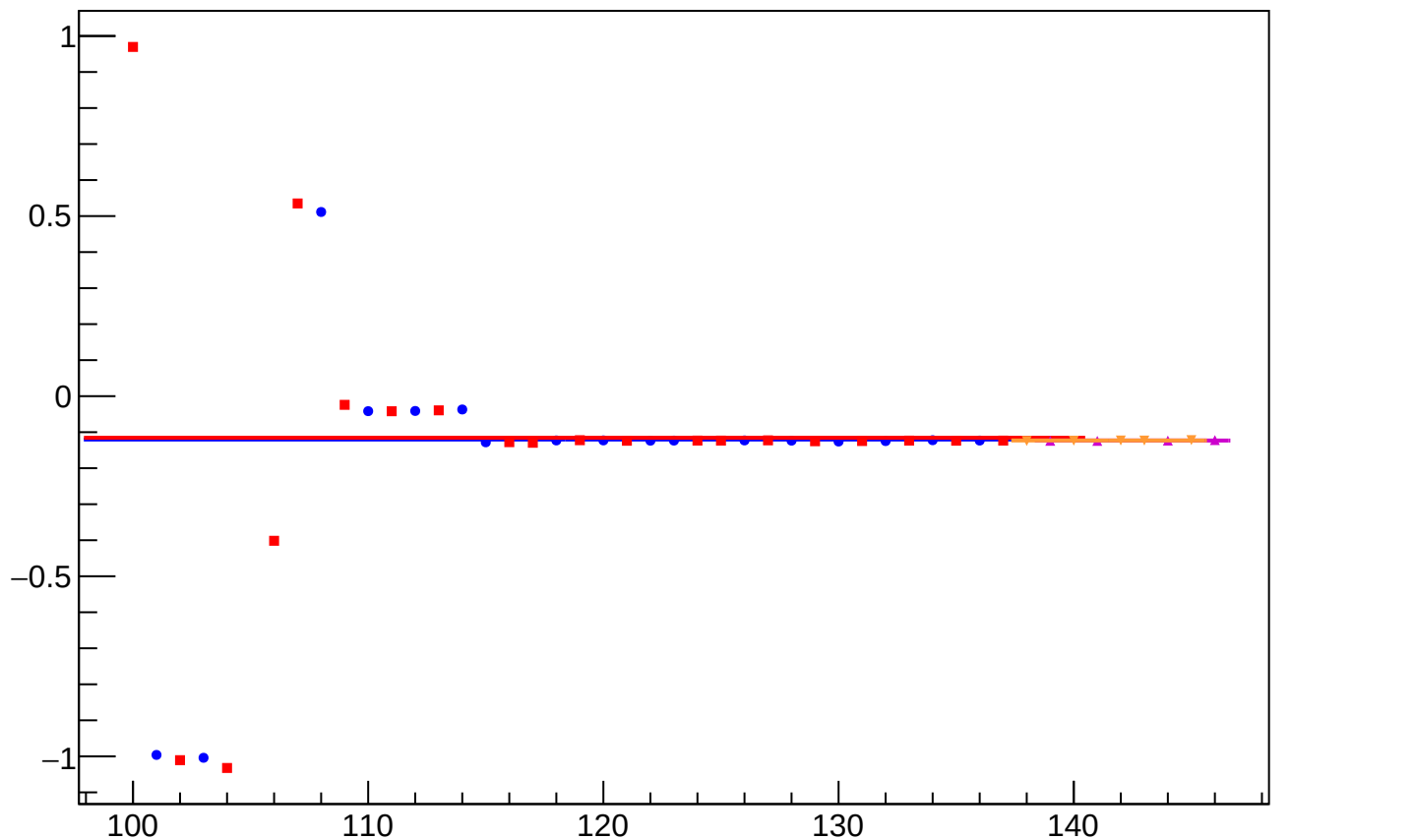
Left In: 0.002+/-0.000 χ^2/NDF : 436721.7/3

0.002+/-0.000 χ^2/NDF : 2230747.3/21

0.002+/-0.000 χ^2/NDF : 5783275.7/45

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 : 1736666.0/4

Right Out: -0.115+/-0.000 χ^2/NDF : 2458720596.9/19

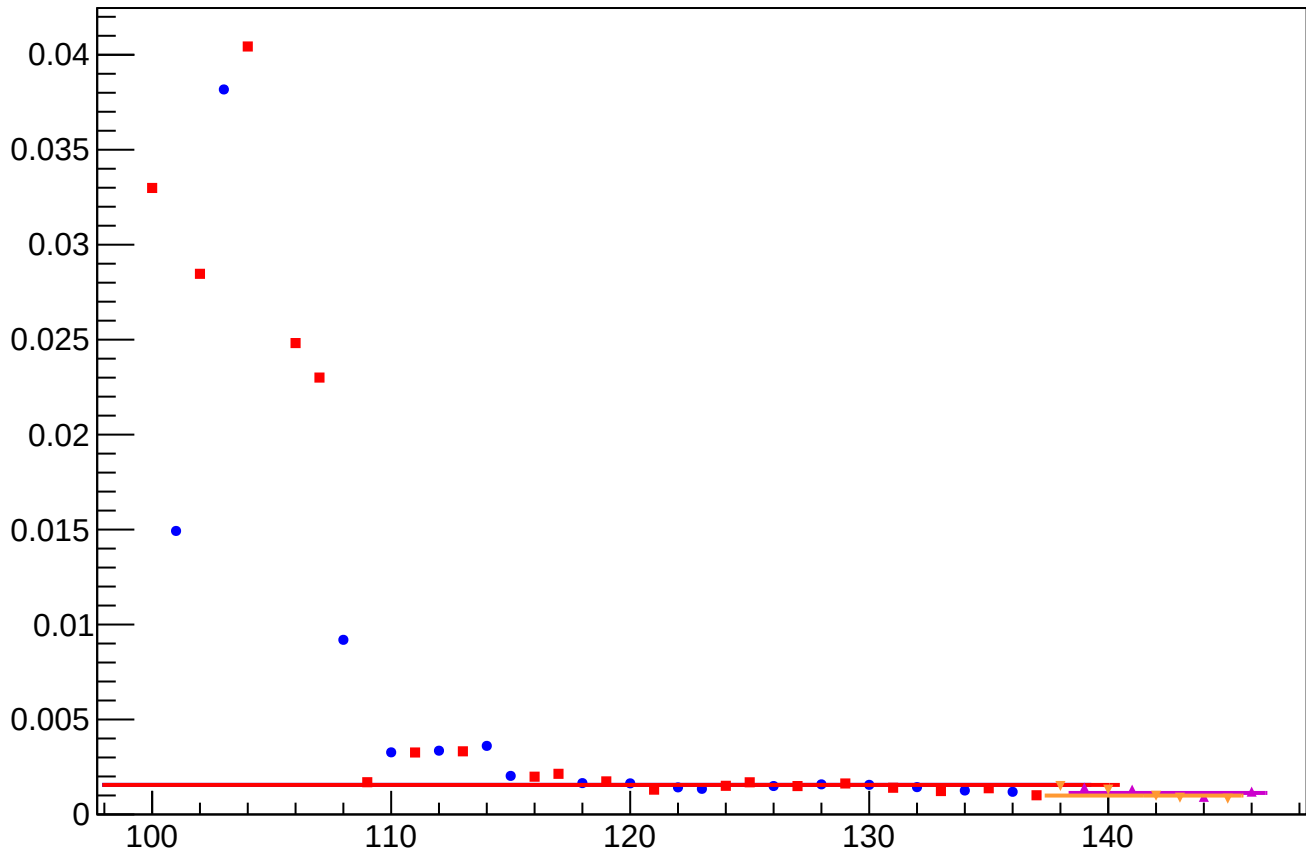
Left In: -0.123+/-0.000 χ^2/NDF : 1349572.5/3

-0.122+/-0.000 χ^2/NDF : 3941943165.2/21

-0.121+/-0.000 χ^2/NDF : 6473955990.8/41

-0.120+/-0.000 χ^2/NDF : 2519845541.9/23

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2903607.4/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 297733.6/4

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3544377.2/19

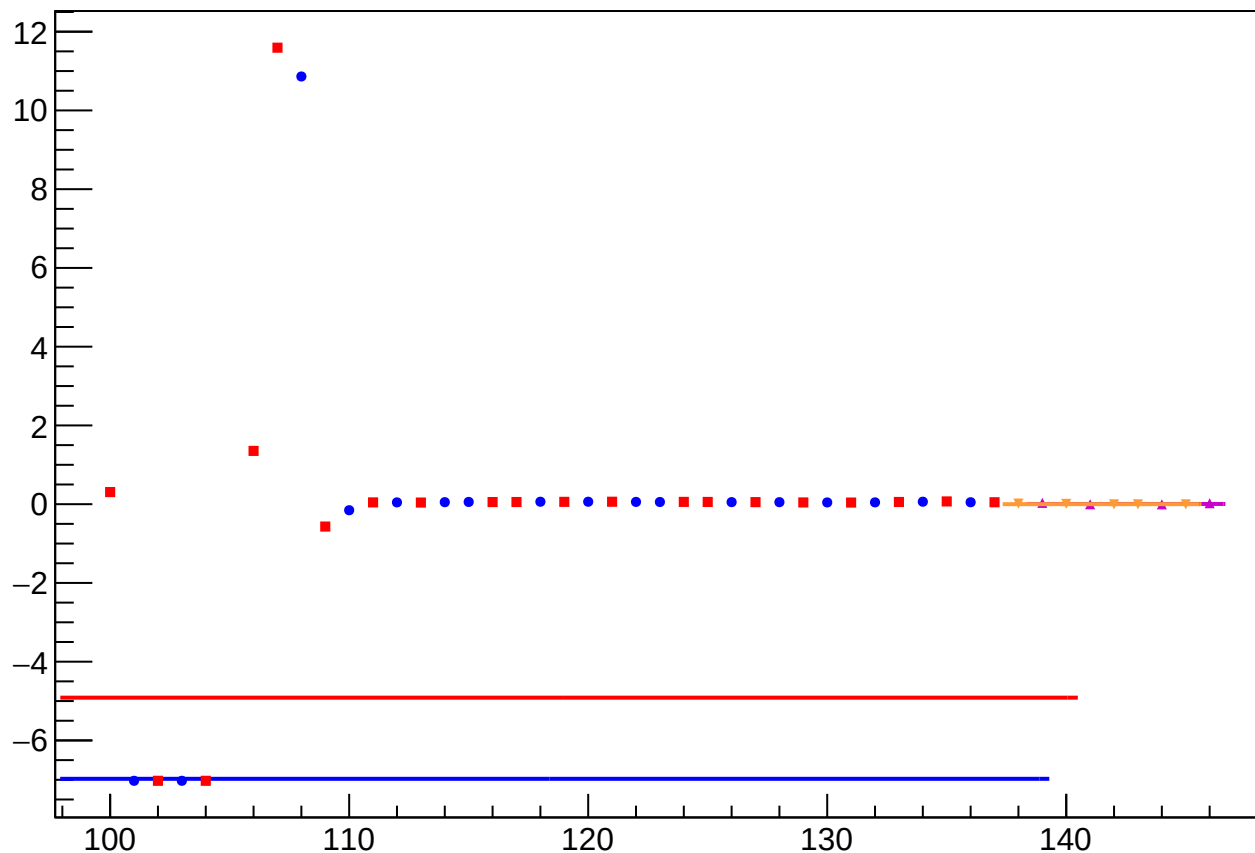
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 158584.6/3

0.001 $\pm$ 0.000 χ^2 /NDF: 3929189.6/21

0.001 $\pm$ 0.000 χ^2 /NDF: 8050705.2/45

0.001 $\pm$ 0.000 χ^2 /NDF: 4066931.7/23

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.000+/-0.000 χ^2/NDF : 1748082.5/4

Right Out: -4.914+/-0.000 χ^2/NDF : 365366243956054.8/19

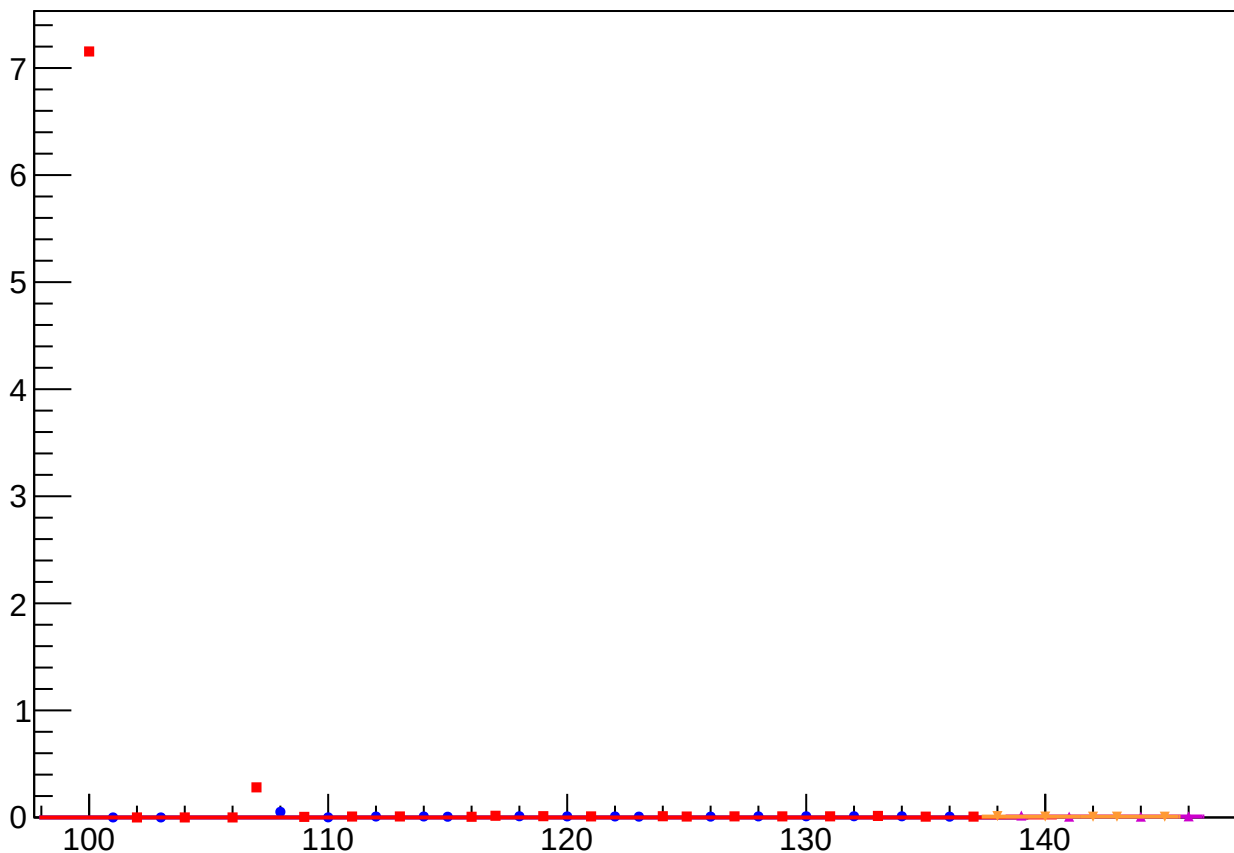
Left In: 0.005+/-0.000 χ^2/NDF : 5347149.4/3

-6.965+/-0.000 χ^2/NDF : 10539055921772.8/21

-5.892+/-0.000 χ^2/NDF : 43261016467012

-4.909+/-0.000 χ^2/NDF : 366067966914808.8/2

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8362763.6/16

Left Out: 0.008+/-0.000 χ^2/NDF :195088.9/4

Right Out: 0.000+/-0.000 χ^2/NDF : 8880914.4/19

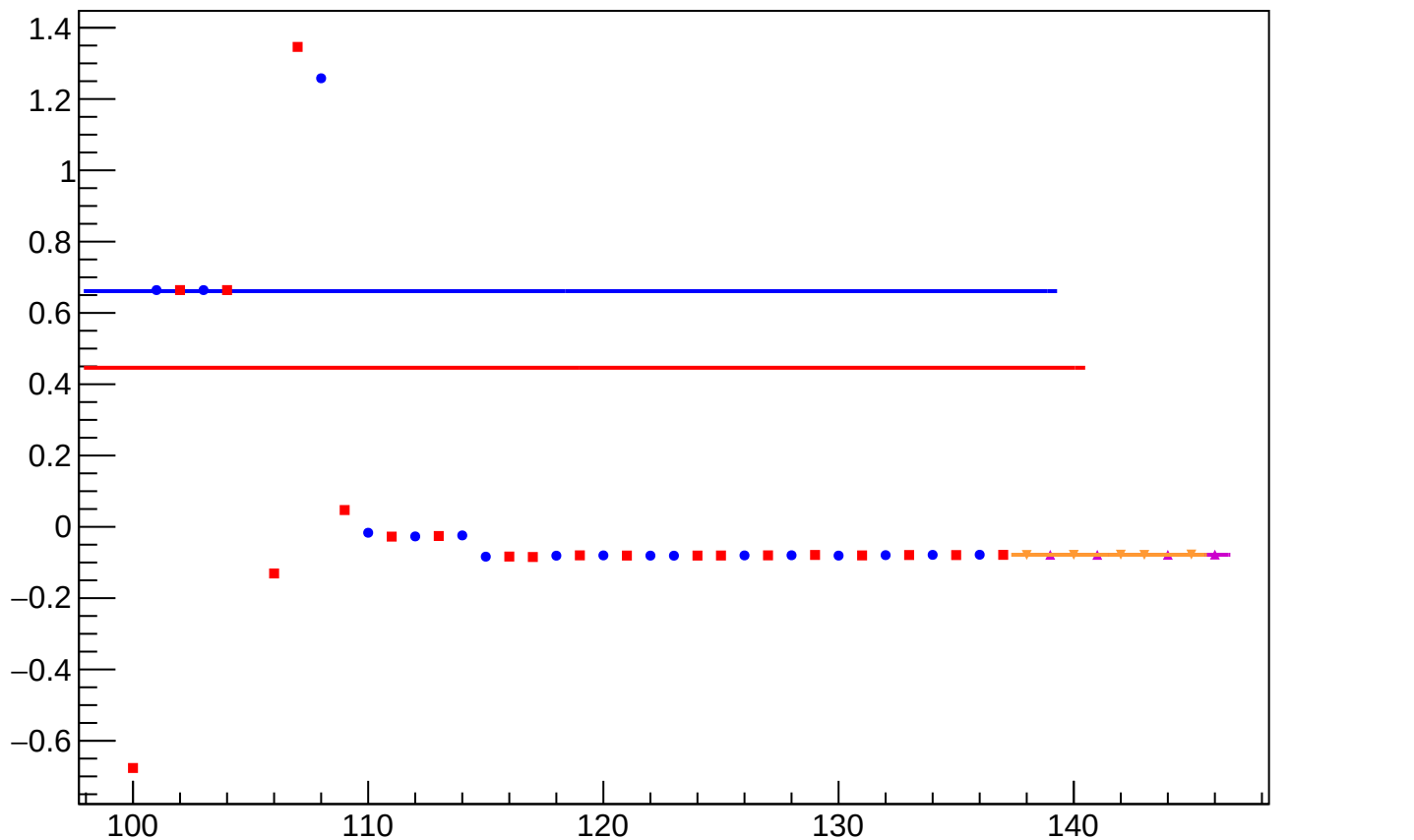
Left In: 0.009+/-0.000 χ^2/NDF :435140.2/3

0.000+/-0.000 χ^2/NDF : 12907082.2/21

0.000+/-0.000 χ^2/NDF : 26662026.4/45

0.000+/-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 : 2239386.0/4

Right Out: 0.446+/-0.000 χ^2/NDF : 405434749783850.4/19

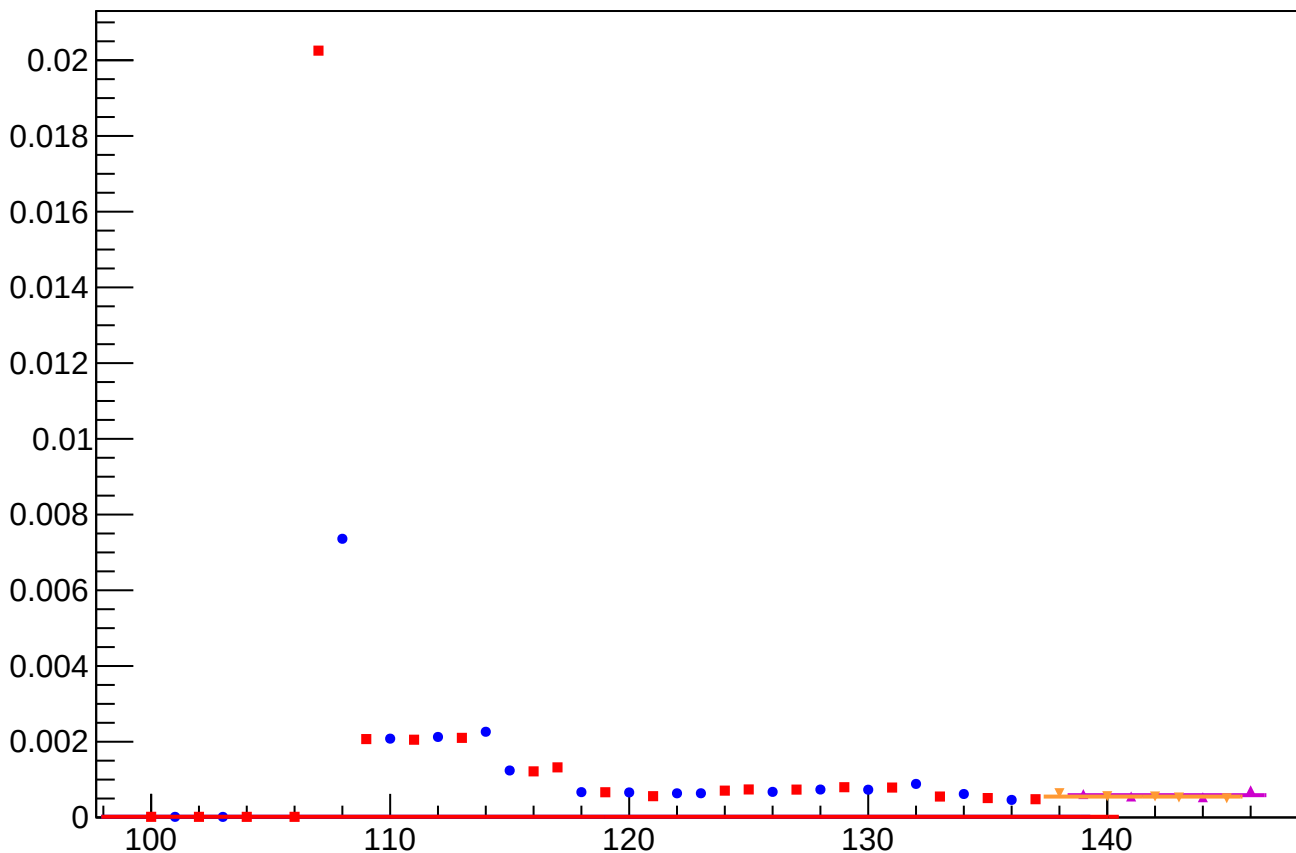
Left In: -0.078+/-0.000 χ^2/NDF : 582352.3/3

0.658+/-0.000 χ^2/NDF : 11259835651894.0/21

0.547+/-0.000 χ^2/NDF : 48143274921968

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 : 41208.2/4

Right Out: 0.000+/-0.000 χ^2/NDF : 9575039.3/19

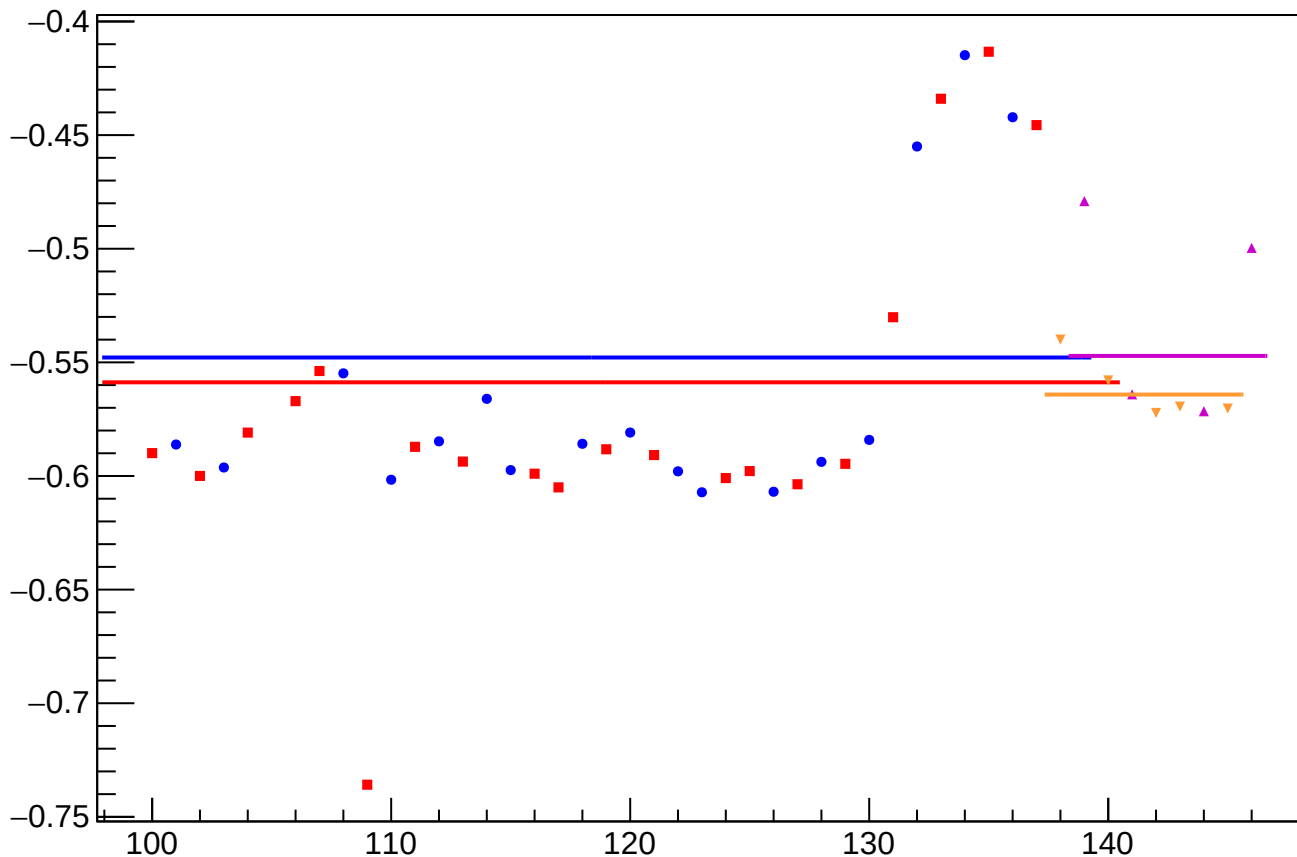
Left In: 0.001+/-0.000 χ^2/NDF : 73994.7/3

0.000+/-0.000 χ^2/NDF : 15835360.4/21

0.000+/-0.000 χ^2/NDF : 31092414.9/45

0.000+/-0.000 χ^2/NDF : 15256541.8/23

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548+/-0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.564+/-0.000 χ^2/NDF :703425.7/4

Right Out: -0.559+/-0.000 χ^2/NDF : 65741796.4/19

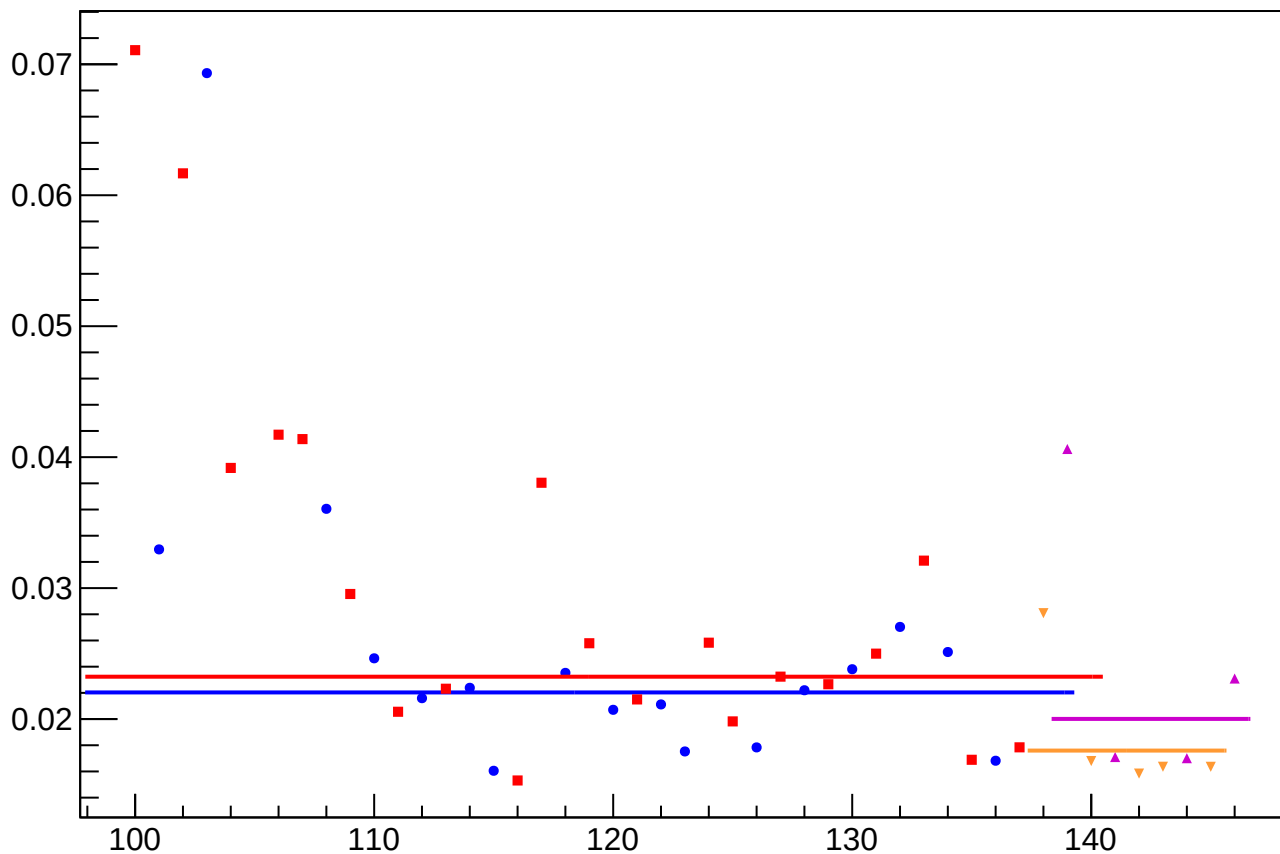
Left In: -0.547+/-0.000 χ^2/NDF :6489888.8/3

-0.555+/-0.000 χ^2/NDF : 50427371.8/21

-0.555+/-0.000 χ^2/NDF : 123151602.8/45

-0.555+/-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 : 184996.4/4

Right Out: 0.023+/-0.000 χ^2/NDF : 1169205.3/19

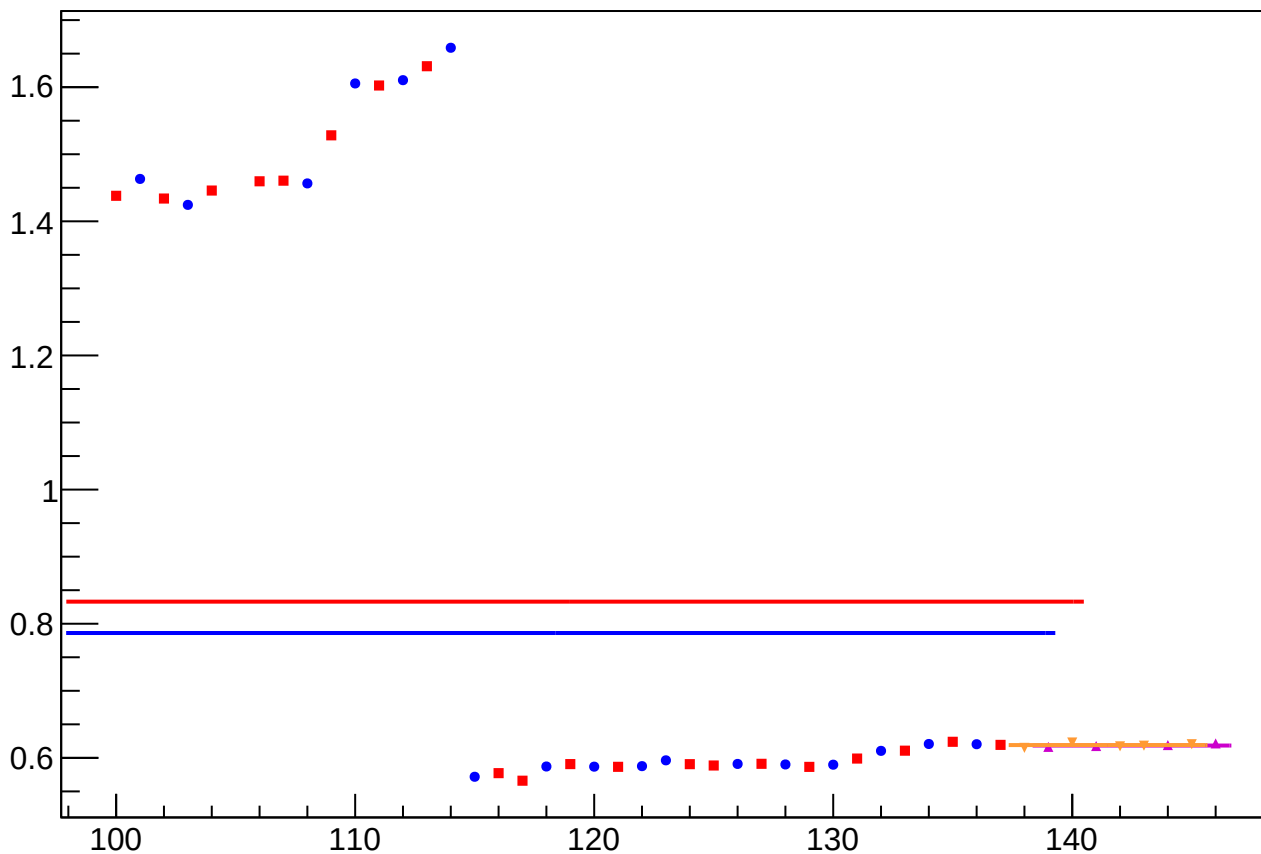
Left In: 0.020+/-0.000 χ^2/NDF : 443533.6/3

0.020+/-0.000 χ^2/NDF : 1313555.3/21

0.021+/-0.000 χ^2/NDF : 3058235.3/45

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:192981.3/4

Right Out: 0.833 $\pm$ 0.000 χ^2 /NDF: 4160348649.7/19

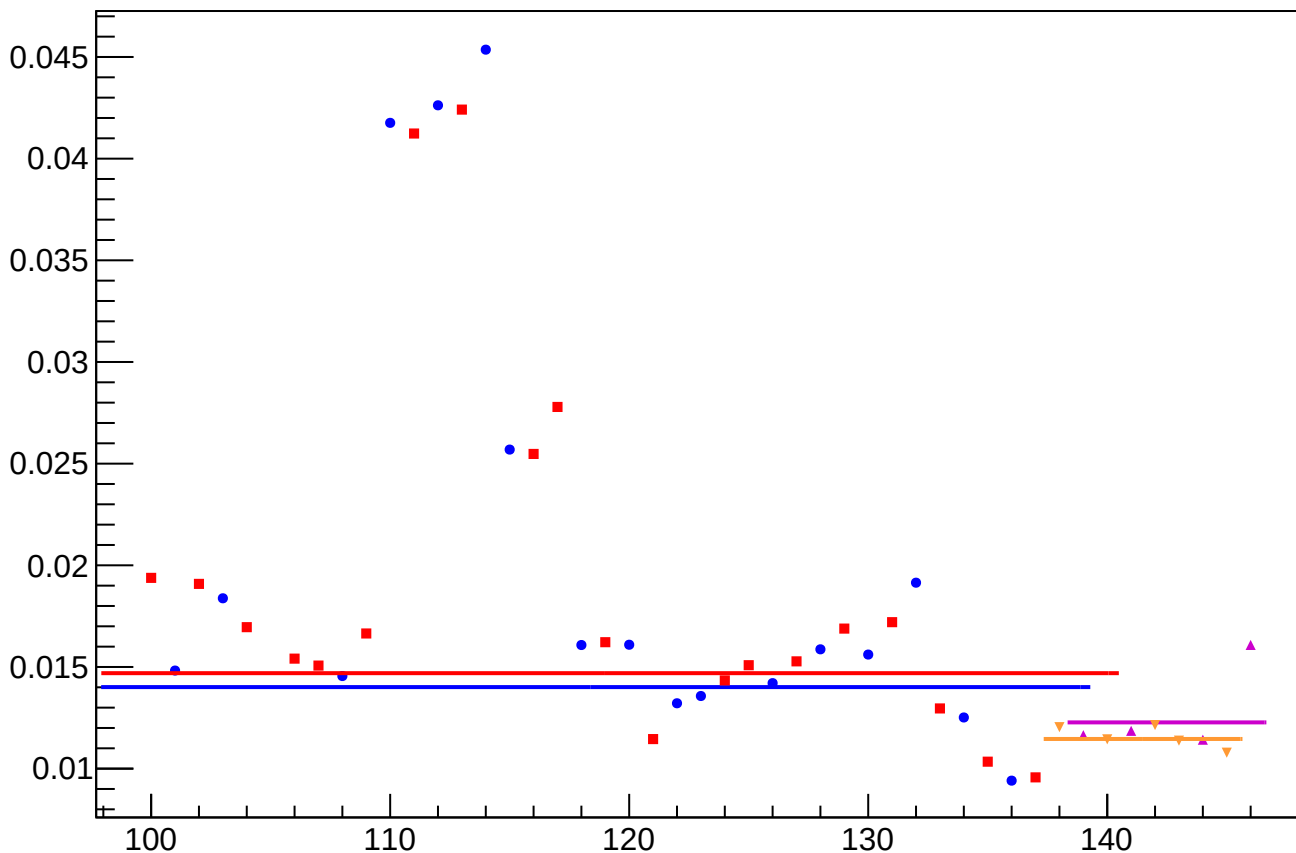
Left In: 0.618 $\pm$ 0.000 χ^2 /NDF:54527.1/3

0.710 $\pm$ 0.000 χ^2 /NDF: 3958153346.8/21

0.726 $\pm$ 0.000 χ^2 /NDF: 8682388557.6/45

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: 0.011 $\pm$ 0.000 χ^2/NDF : 11741.3/4

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1280473.4/19

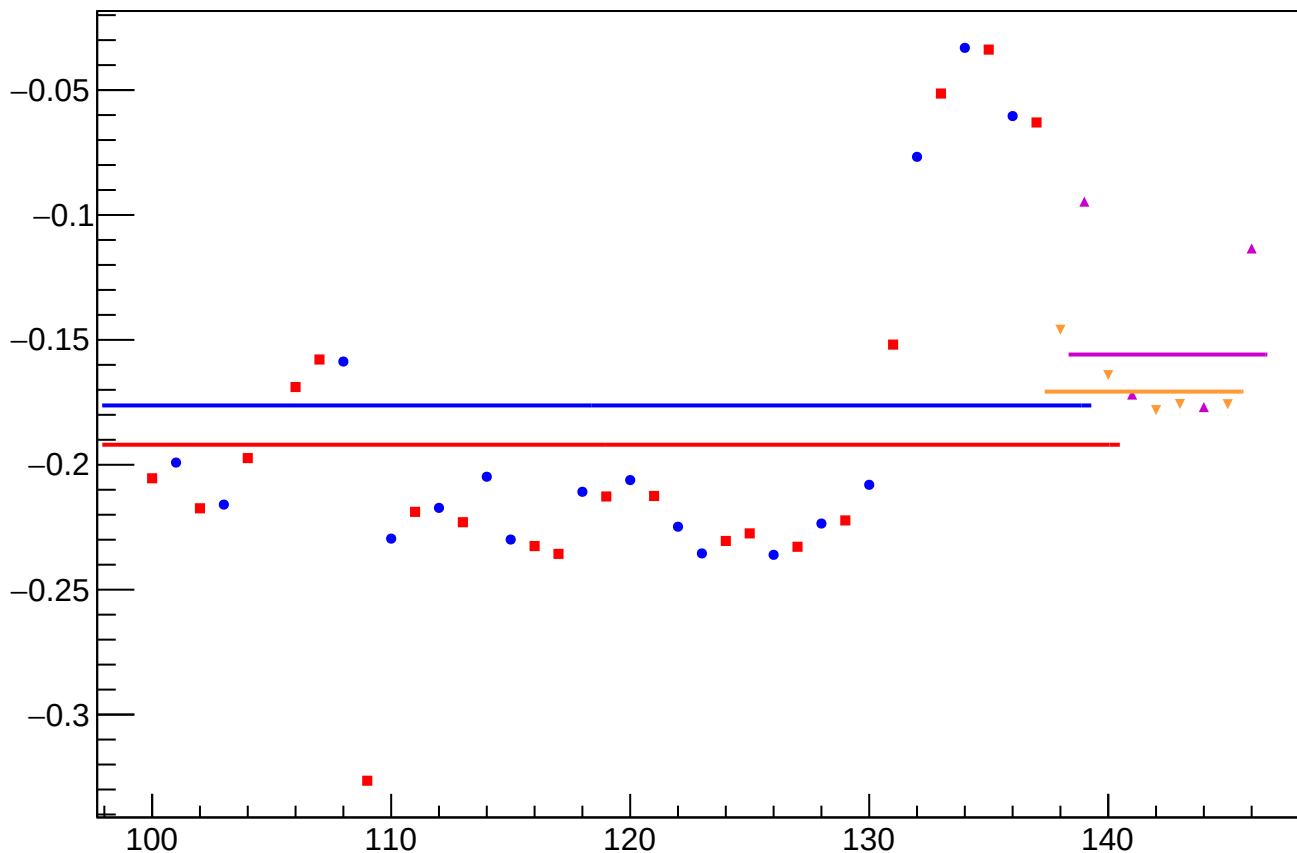
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 98101.5/3

0.013 $\pm$ 0.000 χ^2/NDF : 1588157.5/21

0.013 $\pm$ 0.000 χ^2/NDF : 3138678.4/45

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: -0.171+/-0.000 χ^2/NDF : 744863.4/4

Right Out: -0.192+/-0.000 χ^2/NDF : 83899255.4/19

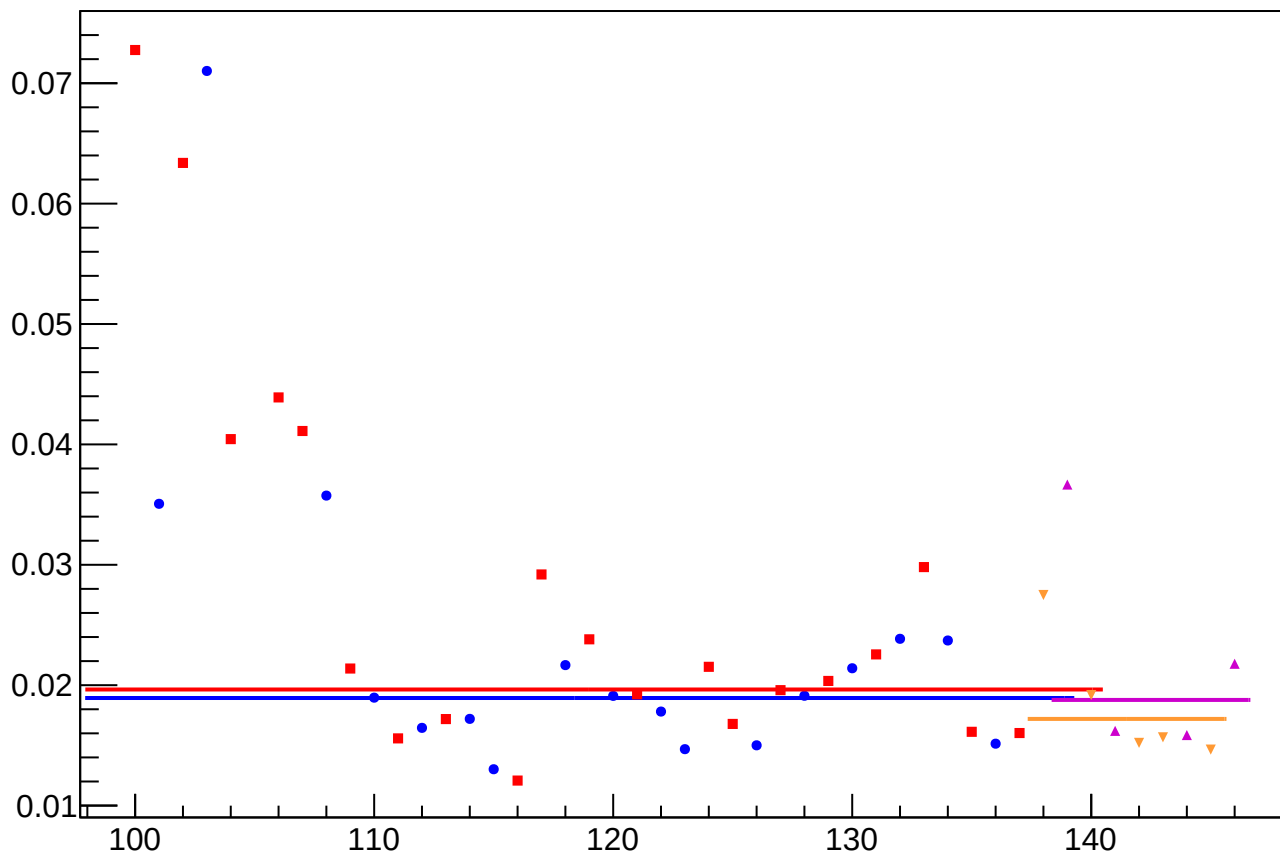
Left In: -0.156+/-0.000 χ^2/NDF : 6031243.8/3

-0.174+/-0.000 χ^2/NDF : 71036505.0/21

-0.177+/-0.000 χ^2/NDF : 167130085.2/45

-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: 0.017+/-0.000 χ^2/NDF : 235605.2/4

Right Out: 0.020+/-0.000 χ^2/NDF : 1466285.9/19

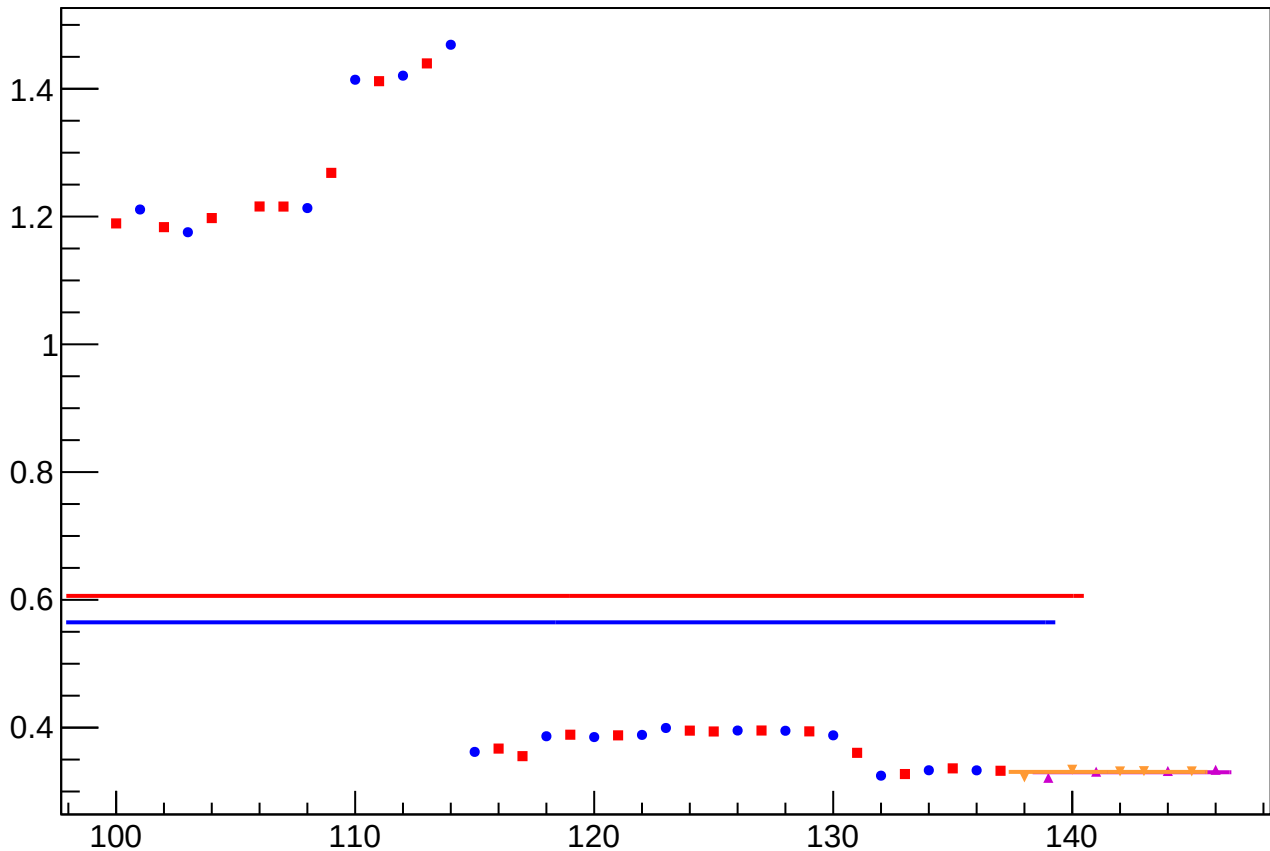
Left In: 0.019+/-0.000 χ^2/NDF : 418490.2/3

0.018+/-0.000 χ^2/NDF : 1471841.2/21

0.019+/-0.000 χ^2/NDF : 3386383.0/45

0.019+/-0.000 χ^2/NDF : 1891473.1/23

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.565+/-0.000 χ^2/NDF : 5030969499.3/16

Left Out: 0.331+/-0.000 χ^2/NDF : 362064.9/4

Right Out: 0.606+/-0.000 χ^2/NDF : 5517630064.2/19

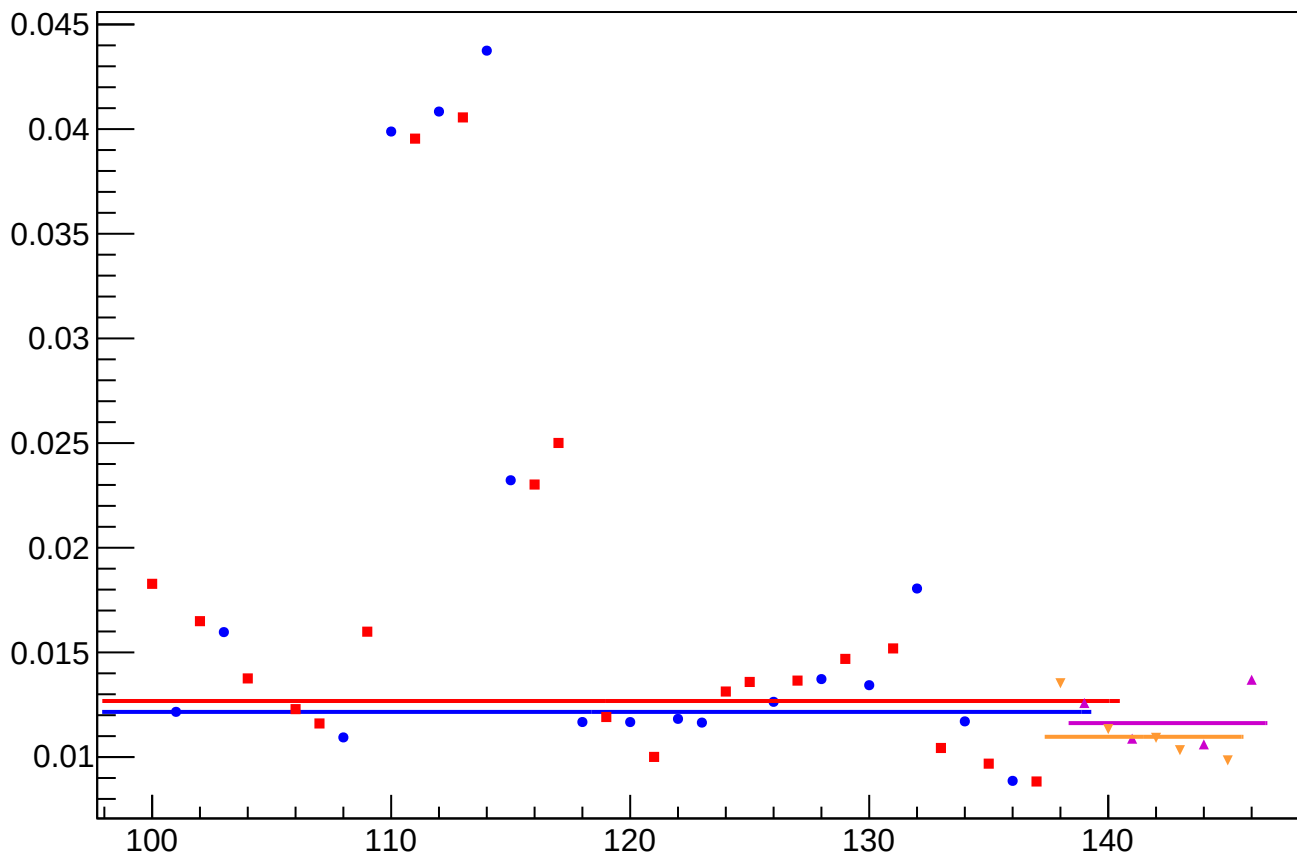
Left In: 0.330+/-0.000 χ^2/NDF : 409118.5/3

0.471+/-0.000 χ^2/NDF : 5877826096.3/21

0.486+/-0.000 χ^2/NDF : 12482133741.4/4

0.502+/-0.000 χ^2/NDF : 6572876319.3/23

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1309888.8/16

Left Out: 0.011+/-0.000 χ^2/NDF : 75378.2/4

Right Out: 0.013+/-0.000 χ^2/NDF : 1289415.7/19

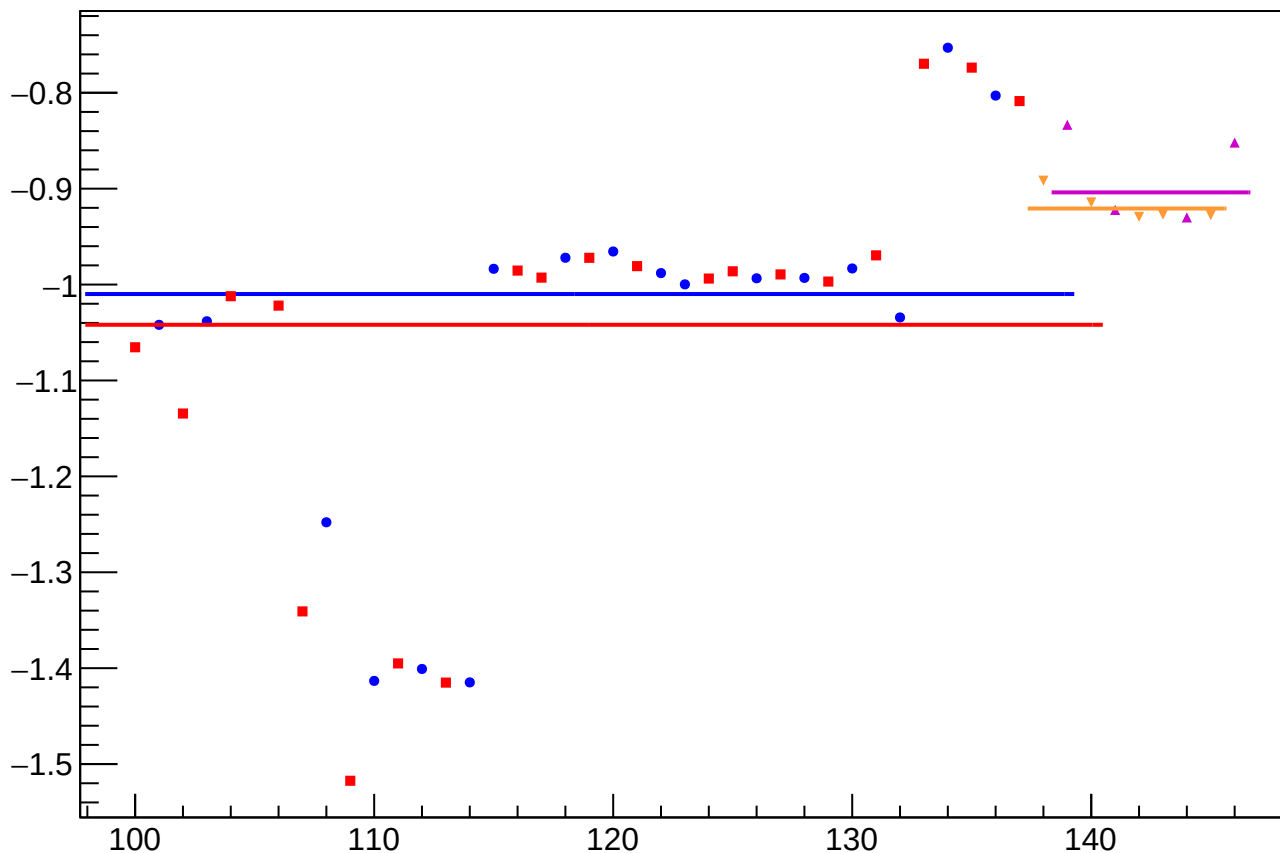
Left In: 0.012+/-0.000 χ^2/NDF : 64617.0/3

0.012+/-0.000 χ^2/NDF : 1428931.4/21

0.012+/-0.000 χ^2/NDF : 2836238.3/45

0.012+/-0.000 χ^2/NDF : 1384910.7/23

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.010 $\pm$ 0.000 χ^2 /NDF: 387650332.0/16

Left Out: -0.921 $\pm$ 0.000 χ^2 /NDF: 999677.6/4

Right Out: -1.042 $\pm$ 0.000 χ^2 /NDF: 530175104.2/19

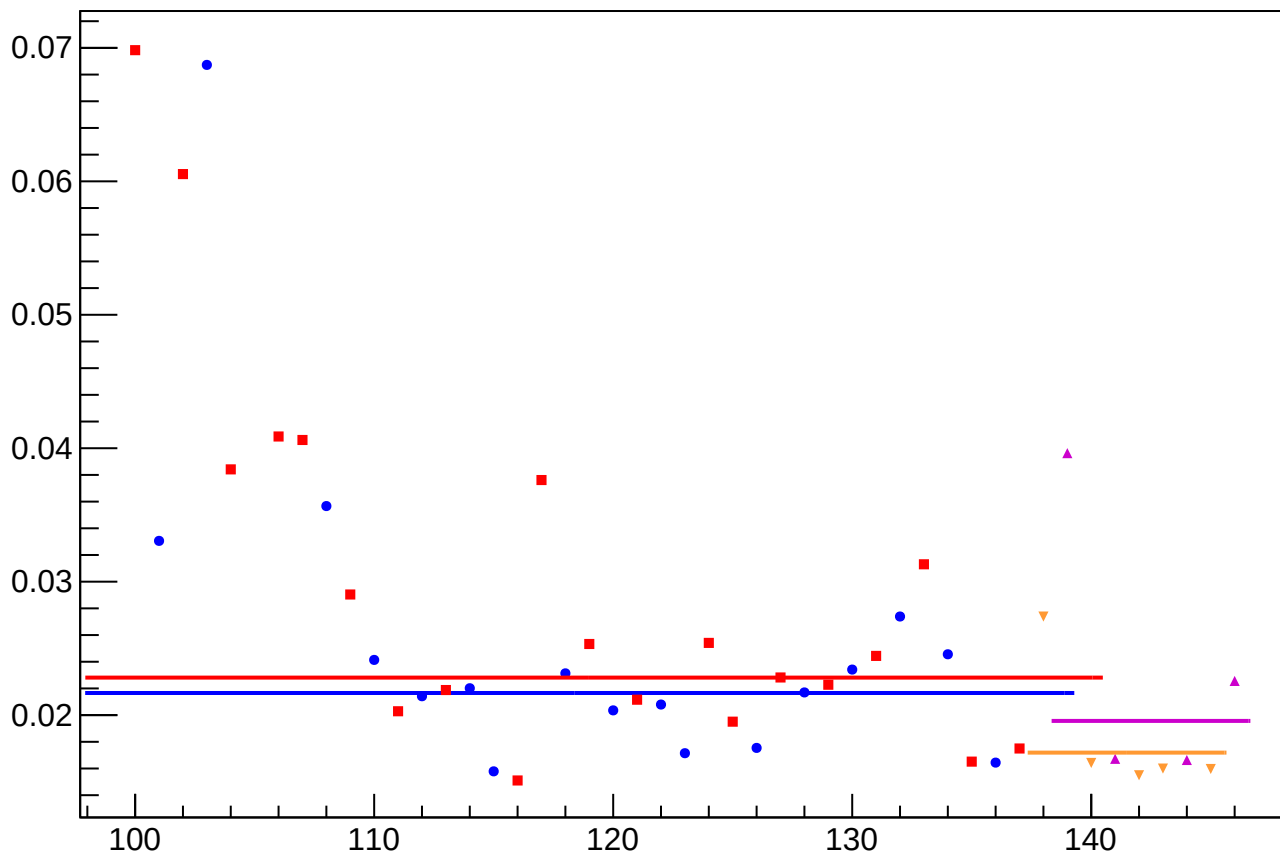
Left In: -0.904 $\pm$ 0.000 χ^2 /NDF: 7810856.4/3

-0.973 $\pm$ 0.000 χ^2 /NDF: 424306809.6/21

-0.981 $\pm$ 0.000 χ^2 /NDF: 1037503077.0/4

-0.991 $\pm$ 0.000 χ^2 /NDF: 610425600.5/23

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 983499.8/16

Left Out: 0.017+/-0.000 χ^2/NDF : 183728.4/4

Right Out: 0.023+/-0.000 χ^2/NDF : 1165116.5/19

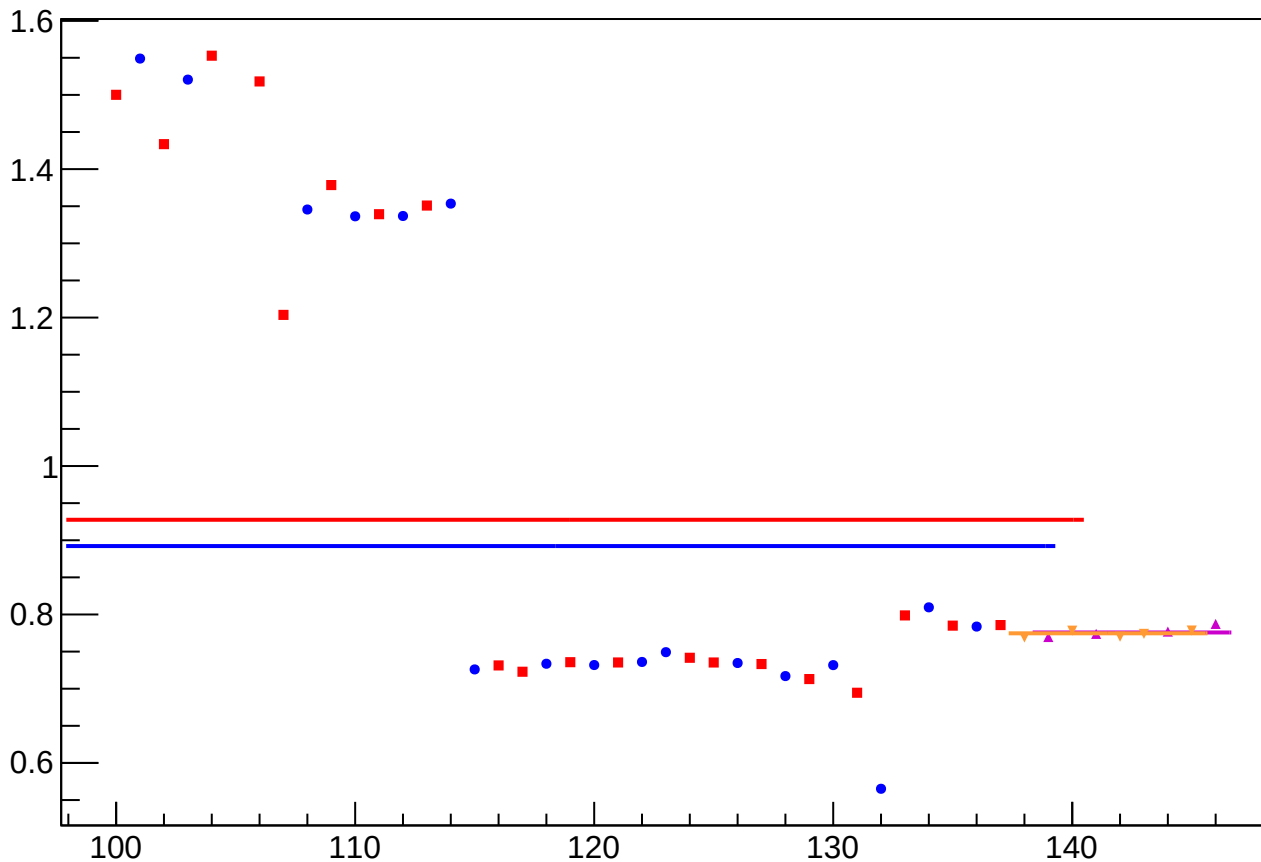
Left In: 0.020+/-0.000 χ^2/NDF : 441602.7/3

0.020+/-0.000 χ^2/NDF : 1346267.4/21

0.021+/-0.000 χ^2/NDF : 3089158.6/45

0.022+/-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: 0.775 $\pm$ 0.000 χ^2 /NDF: 378510.4/4

Right Out: 0.928 $\pm$ 0.000 χ^2 /NDF: 2439574936.7/19

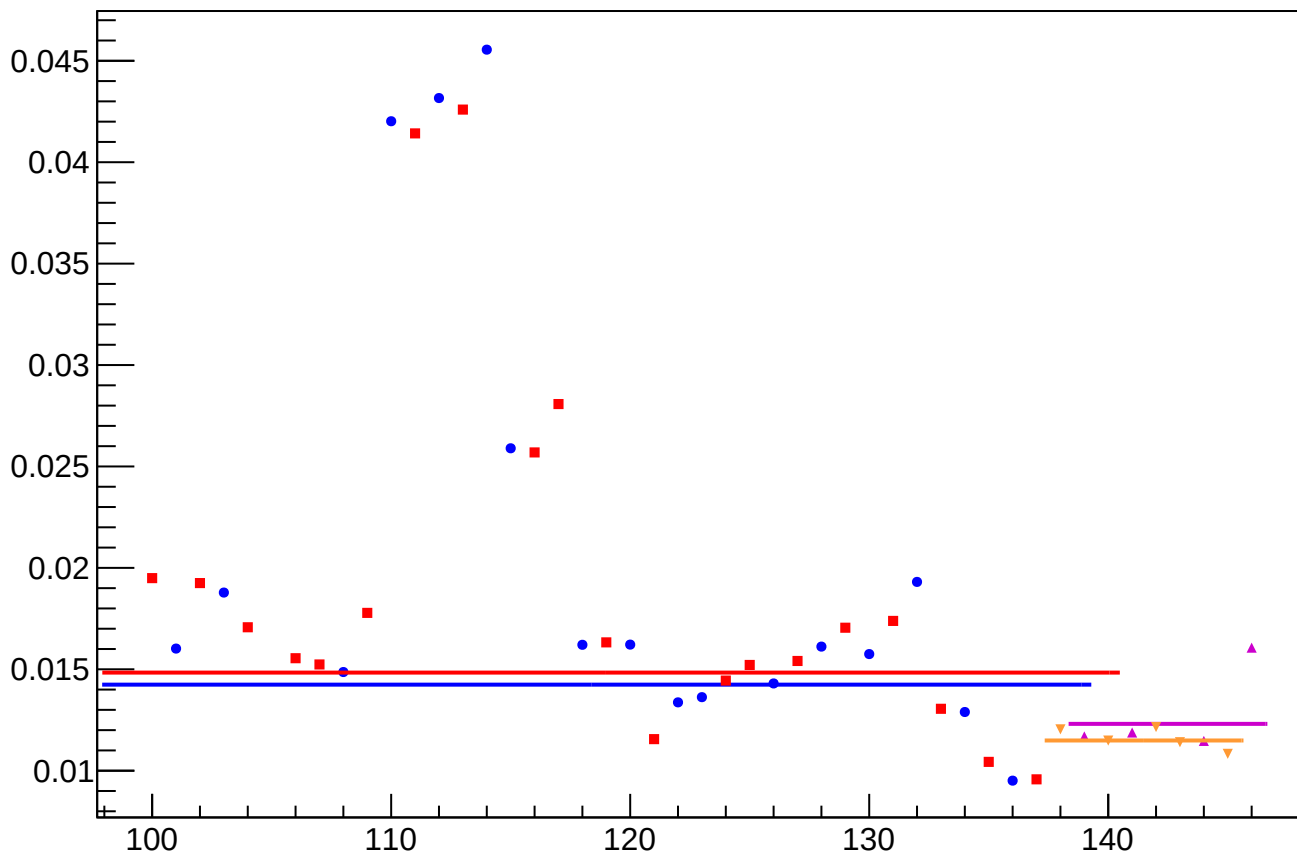
Left In: 0.776 $\pm$ 0.000 χ^2 /NDF: 592584.1/3

0.838 $\pm$ 0.000 χ^2 /NDF: 2592498790.6/21

0.850 $\pm$ 0.000 χ^2 /NDF: 5314265275.2/45

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: 0.011 +/- 0.000 χ^2/NDF : 10921.3/4

Right Out: 0.015 +/- 0.000 χ^2/NDF : 1291174.0/19

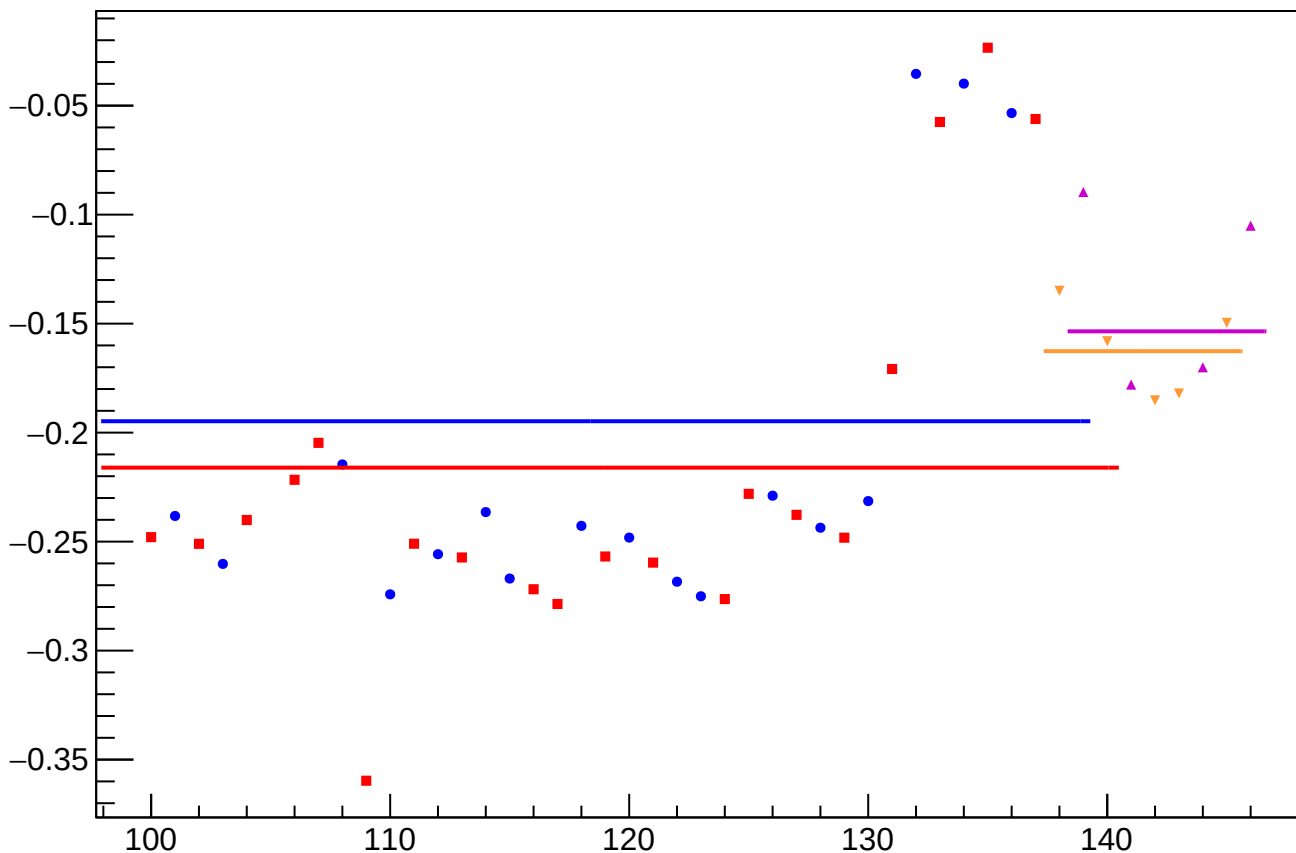
Left In: 0.012 +/- 0.000 χ^2/NDF : 95629.1/3

0.013 +/- 0.000 χ^2/NDF : 1622285.0/21

0.013 +/- 0.000 χ^2/NDF : 3188251.2/45

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: -0.163+/-0.000 χ^2/NDF : 2425145.7/4

Right Out: -0.216+/-0.000 χ^2/NDF : 112167032.2/19

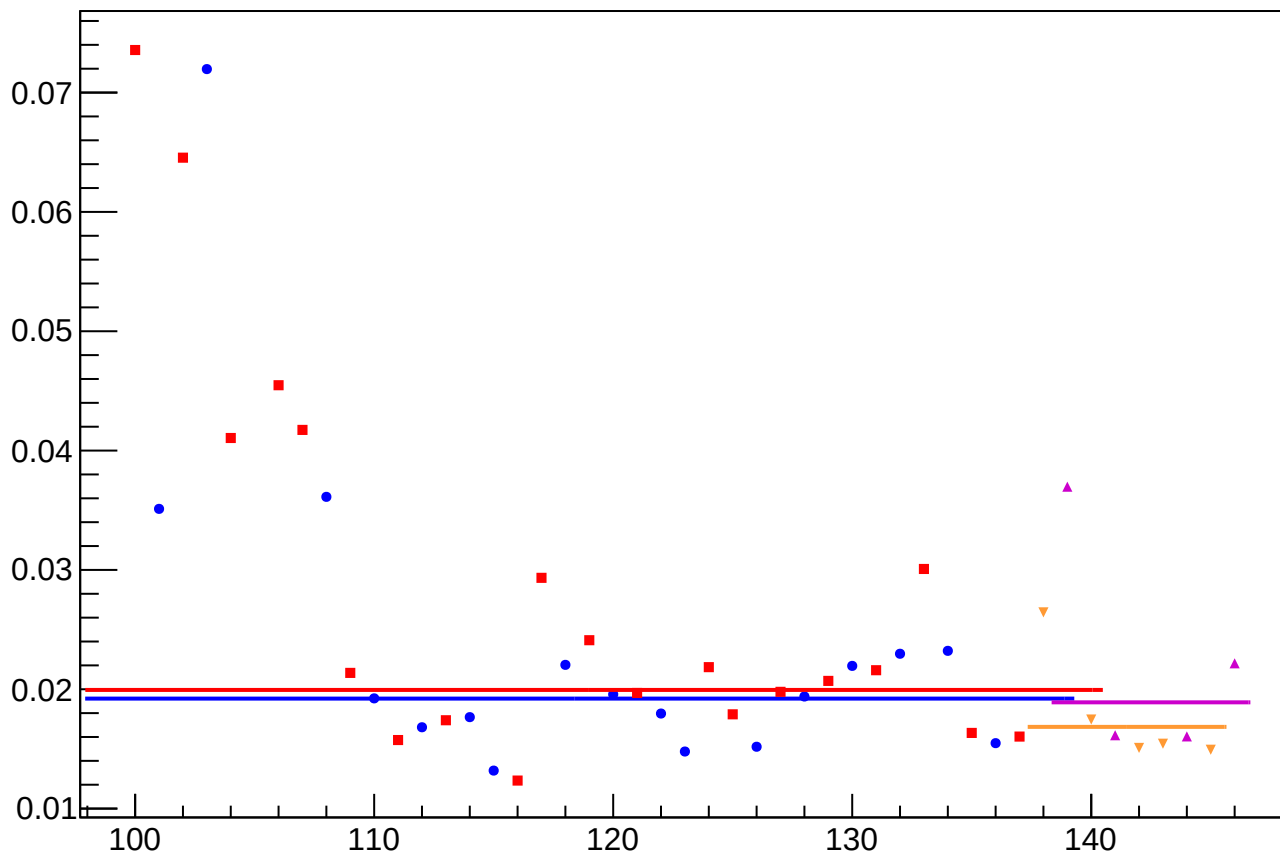
Left In: -0.154+/-0.000 χ^2/NDF : 7136541.9/3

-0.183+/-0.000 χ^2/NDF : 116317442.9/21

-0.189+/-0.000 χ^2/NDF : 254287749.9/45

-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 :192855.9/4

Right Out: 0.020+/-0.000 χ^2/NDF : 1455211.7/19

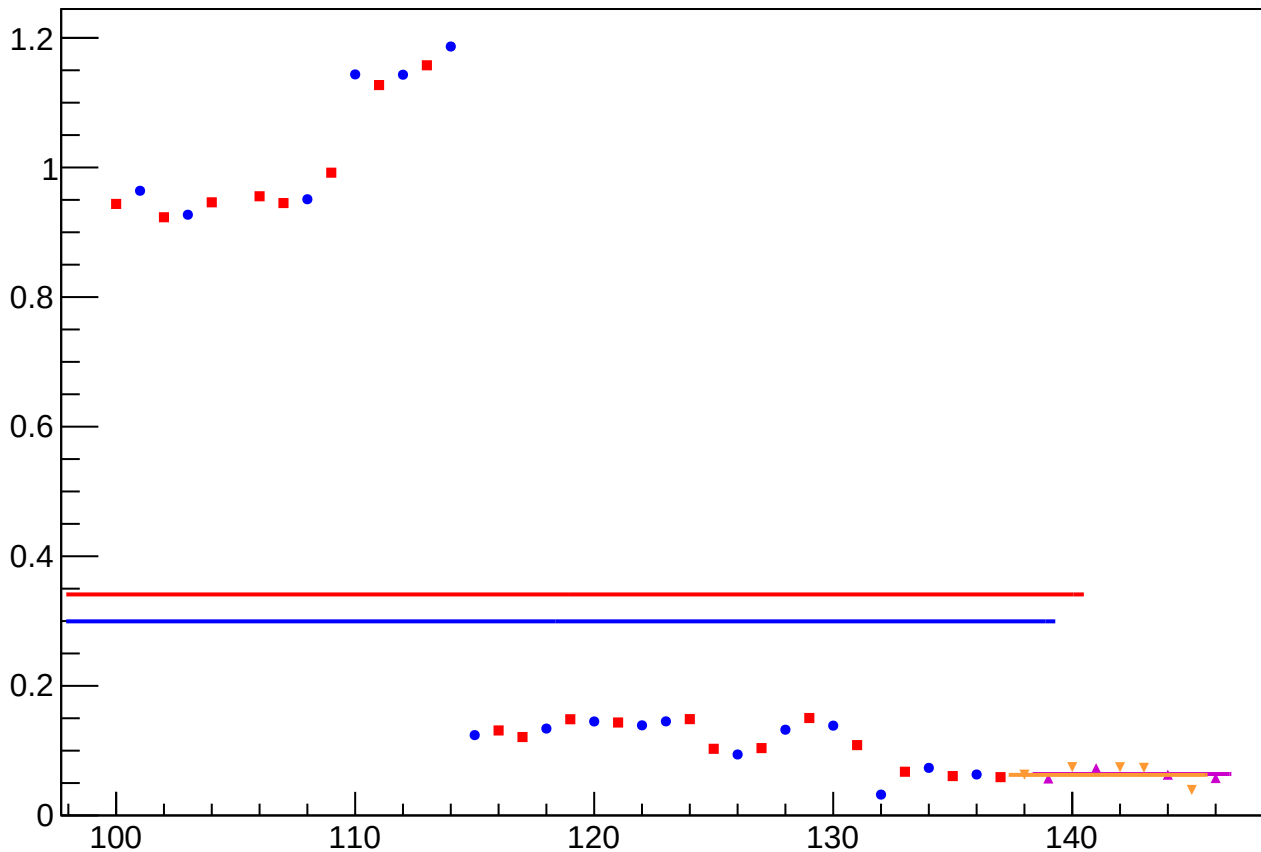
Left In: 0.019+/-0.000 χ^2/NDF :424675.5/3

0.018+/-0.000 χ^2/NDF : 1426870.5/21

0.019+/-0.000 χ^2/NDF : 3349211.9/45

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:6224387.8/4

Right Out: 0.341 $\pm$ 0.000 χ^2 /NDF: 5453748737.7/19

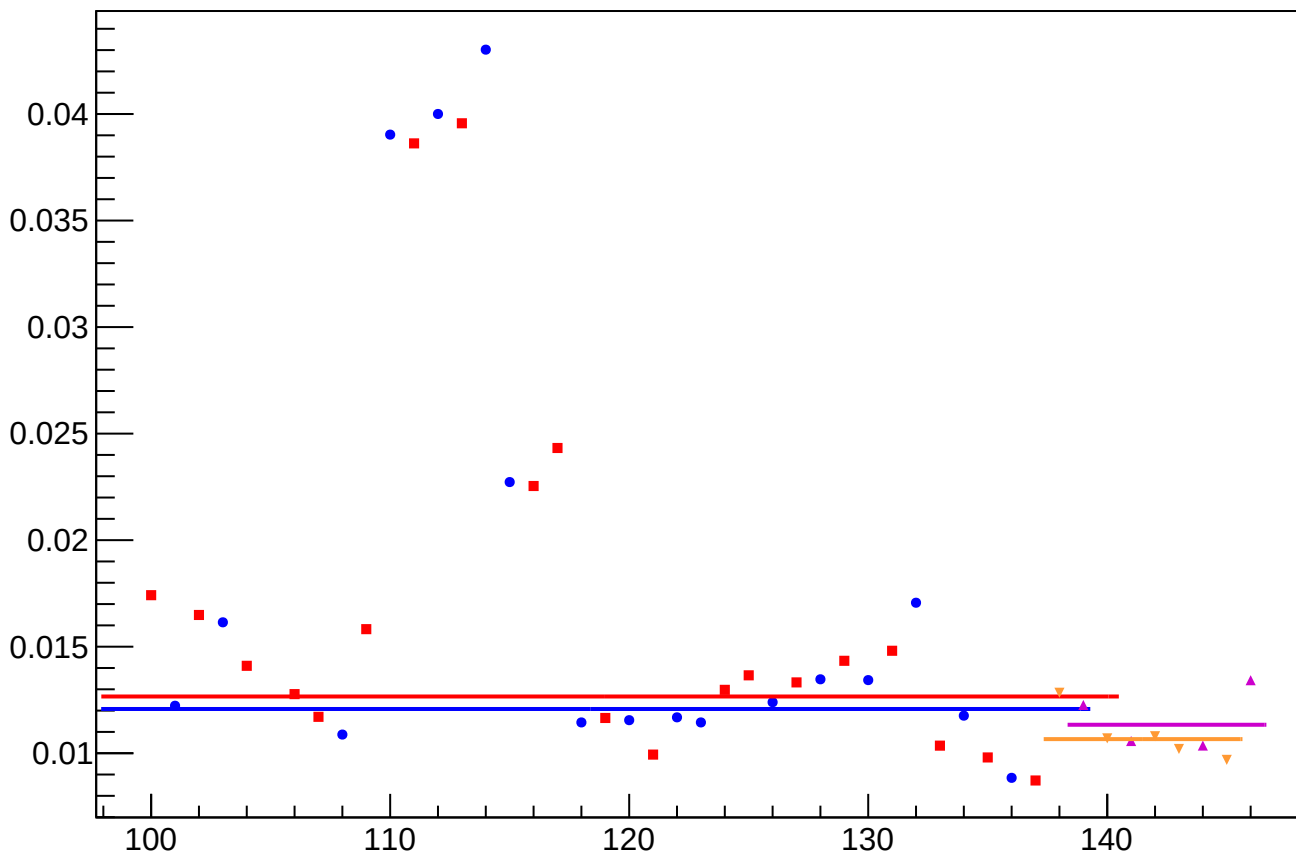
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:956259.8/3

0.202 $\pm$ 0.000 χ^2 /NDF: 6072914342.9/21

0.217 $\pm$ 0.000 χ^2 /NDF: 12657788571.5/4

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:57616.1/4

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1255391.1/19

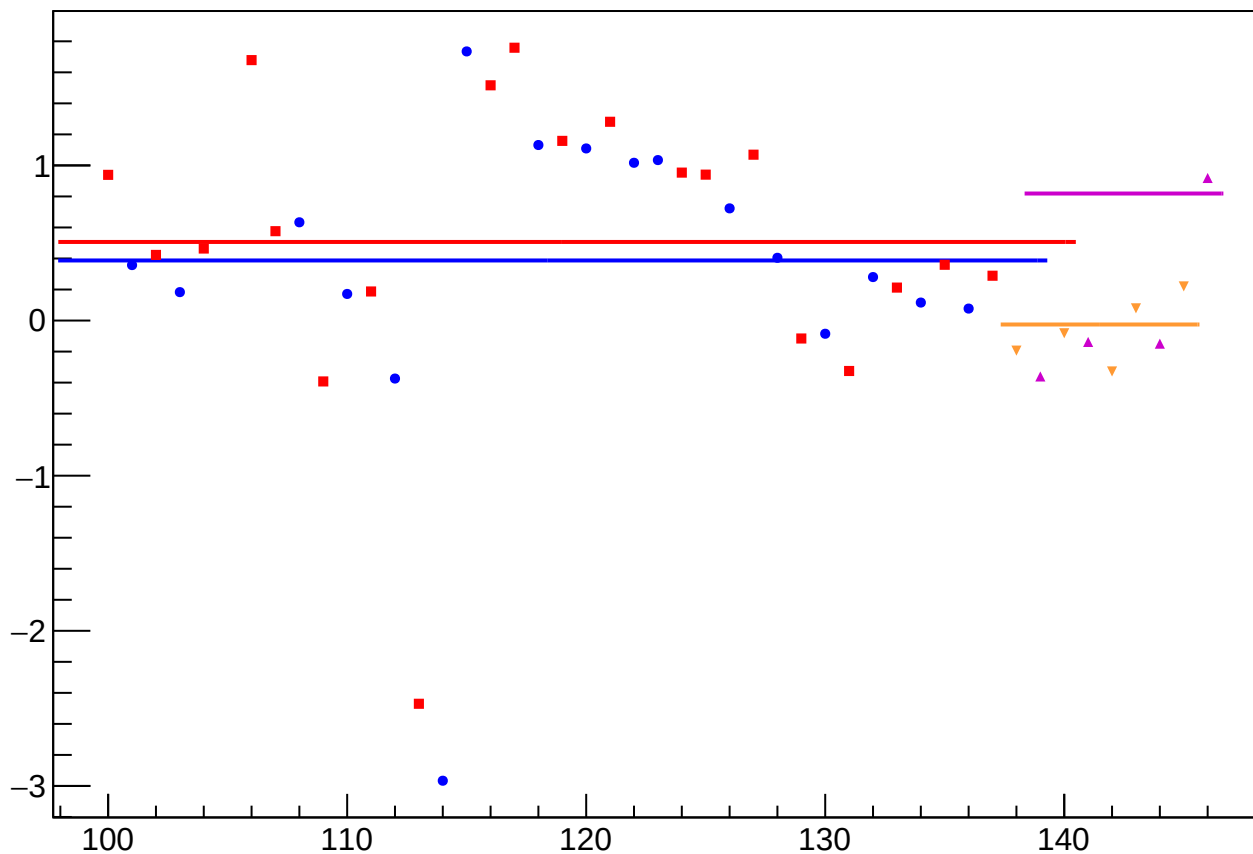
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:66955.7/3

0.011 $\pm$ 0.000 χ^2 /NDF: 1403915.8/21

0.012 $\pm$ 0.000 χ^2 /NDF: 2803824.0/45

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: -0.025 $\pm$ 0.000 χ^2 /NDF: 22460667.2/4

Right Out: 0.507 $\pm$ 0.000 χ^2 /NDF: 995347030.4/19

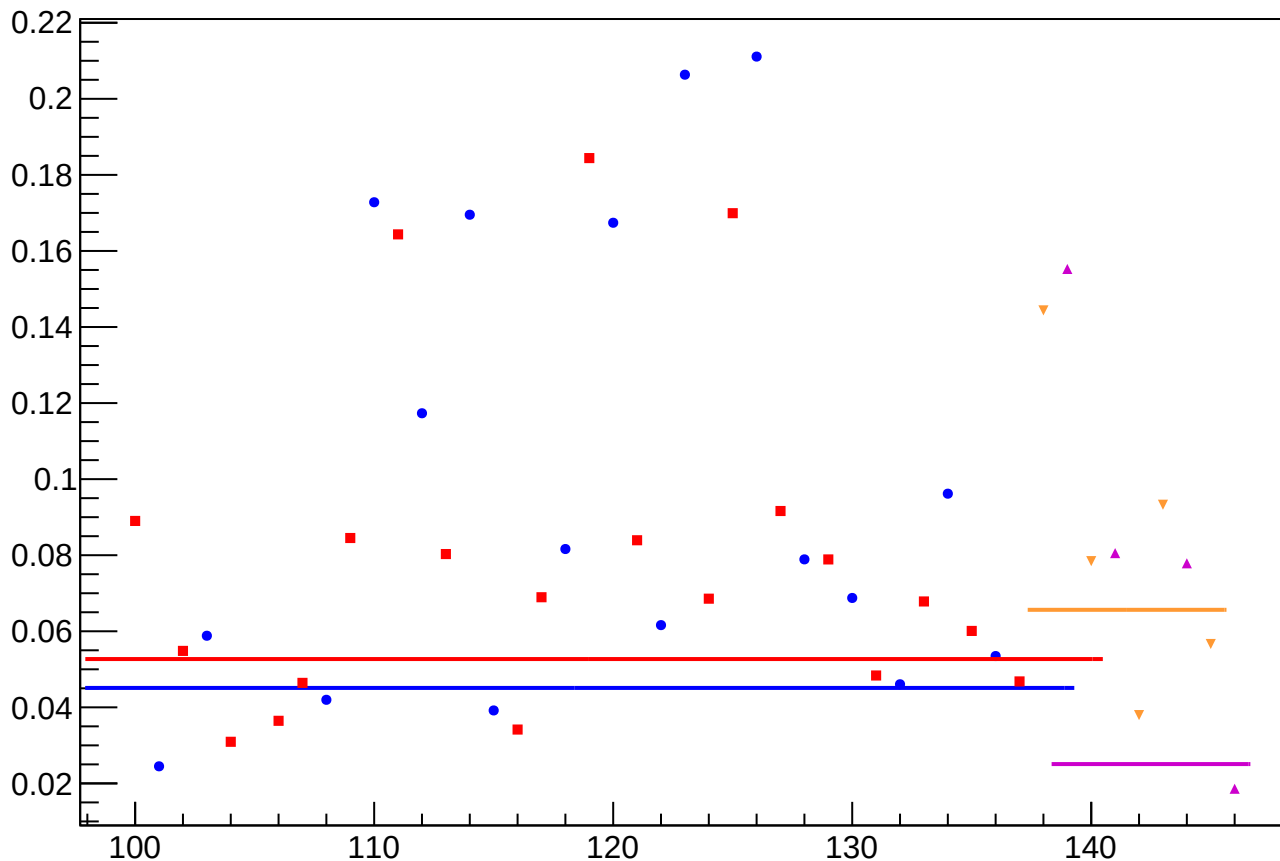
Left In: 0.819 $\pm$ 0.000 χ^2 /NDF: 202136540.6/3

0.304 $\pm$ 0.000 χ^2 /NDF: 330676115.1/21

0.539 $\pm$ 0.000 χ^2 /NDF: 1809707730.1/45

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: 0.066+/-0.000 χ^2/NDF : 687405.2/4

Right Out: 0.053+/-0.000 χ^2/NDF : 2194555.4/19

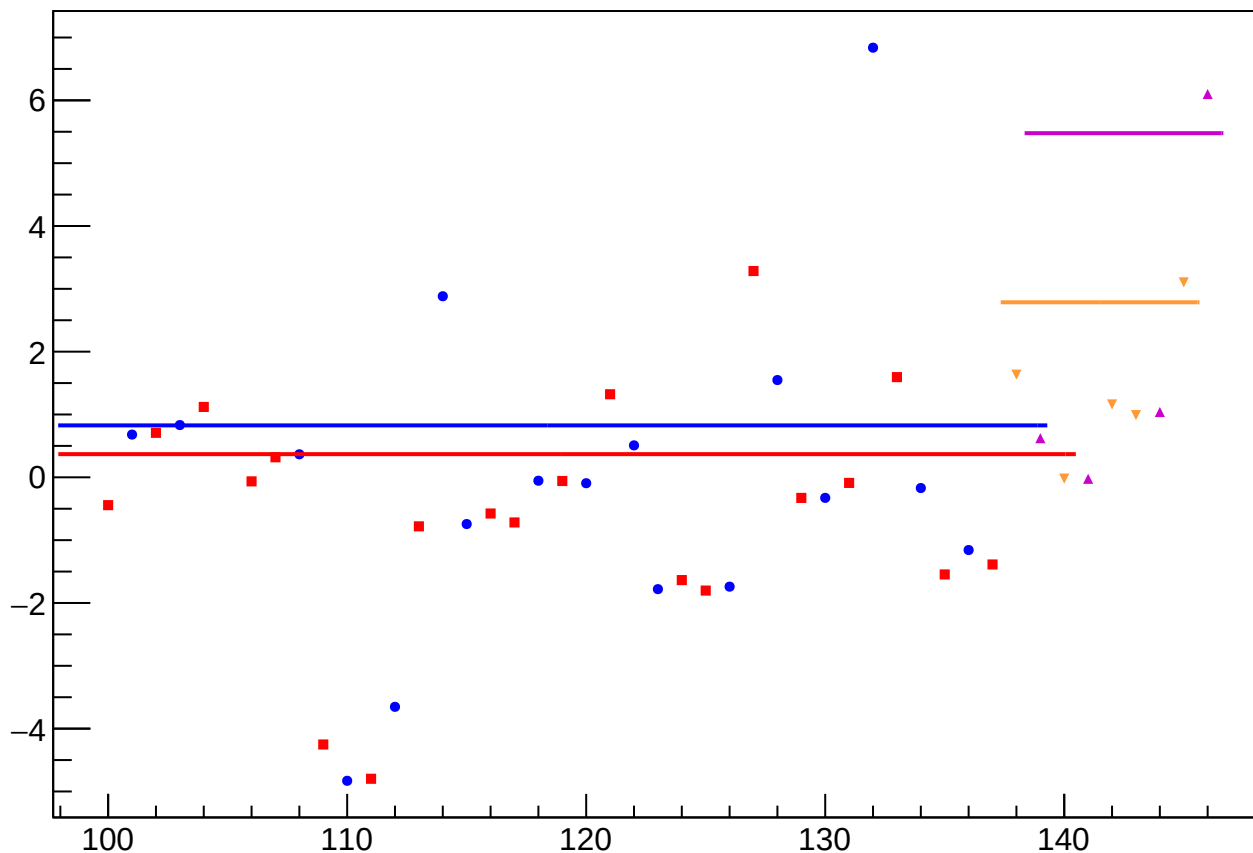
Left In: 0.025+/-0.000 χ^2/NDF : 1932097.8/3

0.049+/-0.000 χ^2/NDF : 3832233.4/21

0.042+/-0.000 χ^2/NDF : 9691106.3/45

0.037+/-0.000 χ^2/NDF : 5441229.9/23

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.827 $\pm$ 0.000 χ^2/NDF : 10936458870.4/16

Left Out: 2.786 $\pm$ 0.000 χ^2/NDF : 2179134503.3/4

Right Out: 0.369 $\pm$ 0.000 χ^2/NDF : 4985860510.0/19

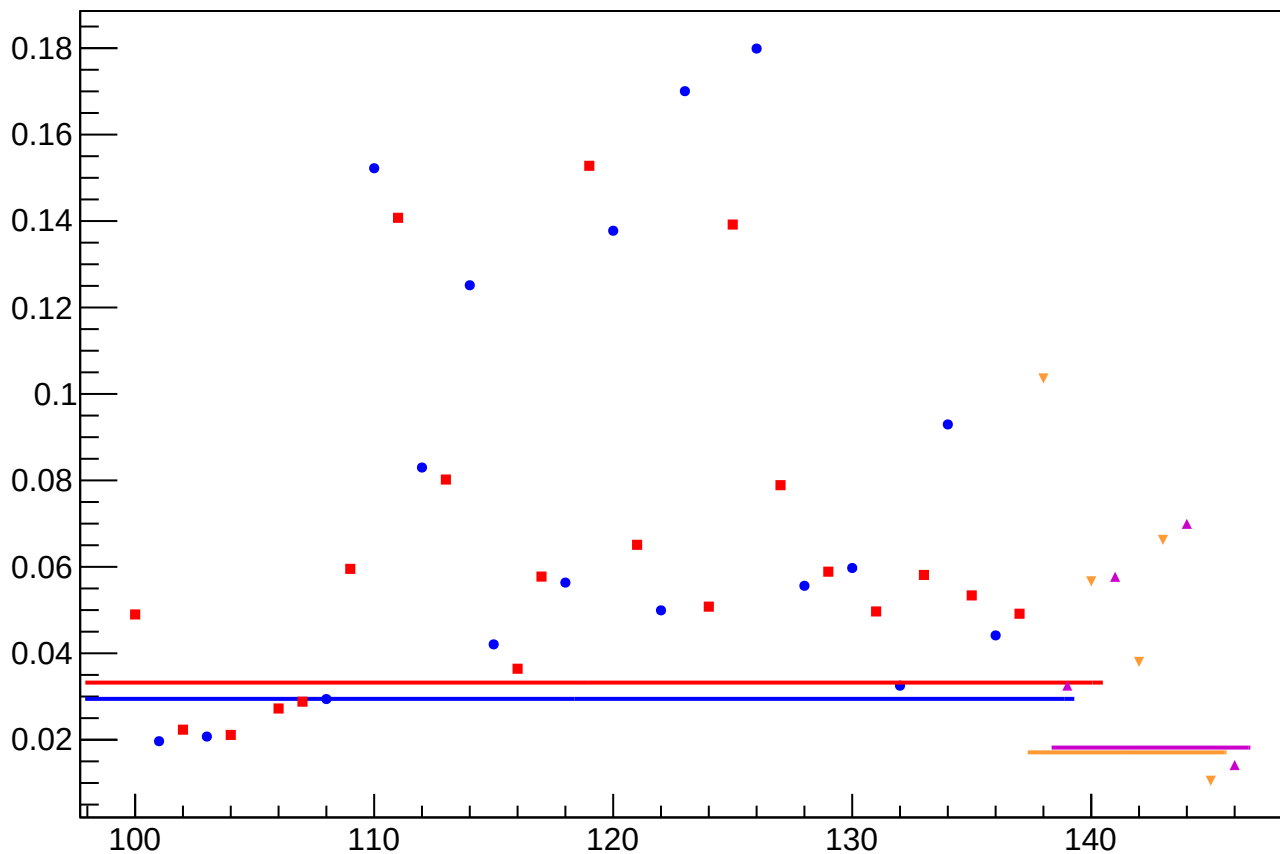
Left In: 5.478 $\pm$ 0.000 χ^2/NDF : 12105271101.8/3

1.701 $\pm$ 0.000 χ^2/NDF : 19858956976.0/21

2.392 $\pm$ 0.000 χ^2/NDF : 91766918344.1/4

3.055 $\pm$ 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: 0.017 $\pm$ 0.000 χ^2/NDF : 2095036.0/4

Right Out: 0.033 $\pm$ 0.000 χ^2/NDF : 3110014.7/19

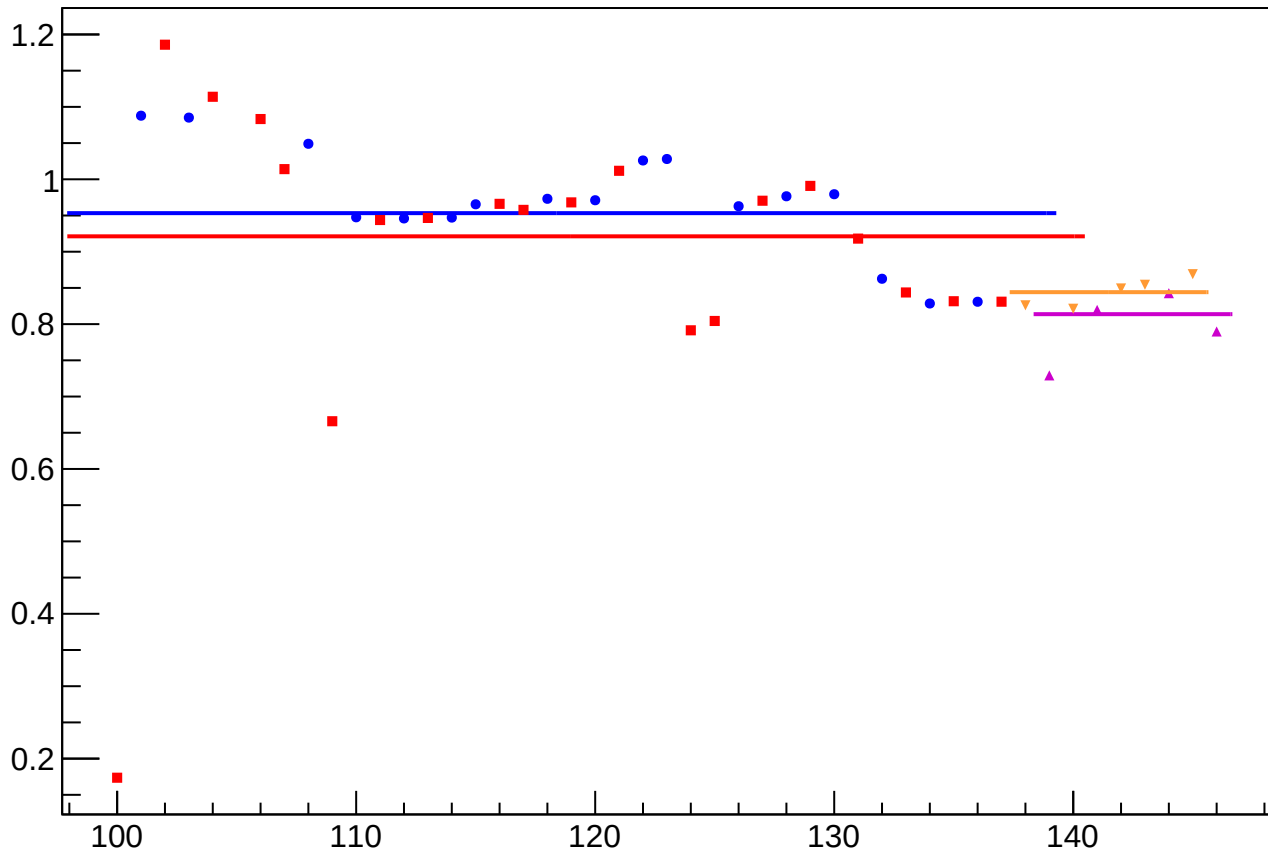
Left In: 0.018 $\pm$ 0.000 χ^2/NDF : 1230038.9/3

0.024 $\pm$ 0.000 χ^2/NDF : 5686449.7/21

0.025 $\pm$ 0.000 χ^2/NDF : 10874378.8/45

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: 0.844+/-0.000 χ^2/NDF : 6196497.2/4

Right Out: 0.921+/-0.000 χ^2/NDF : 374376205.4/19

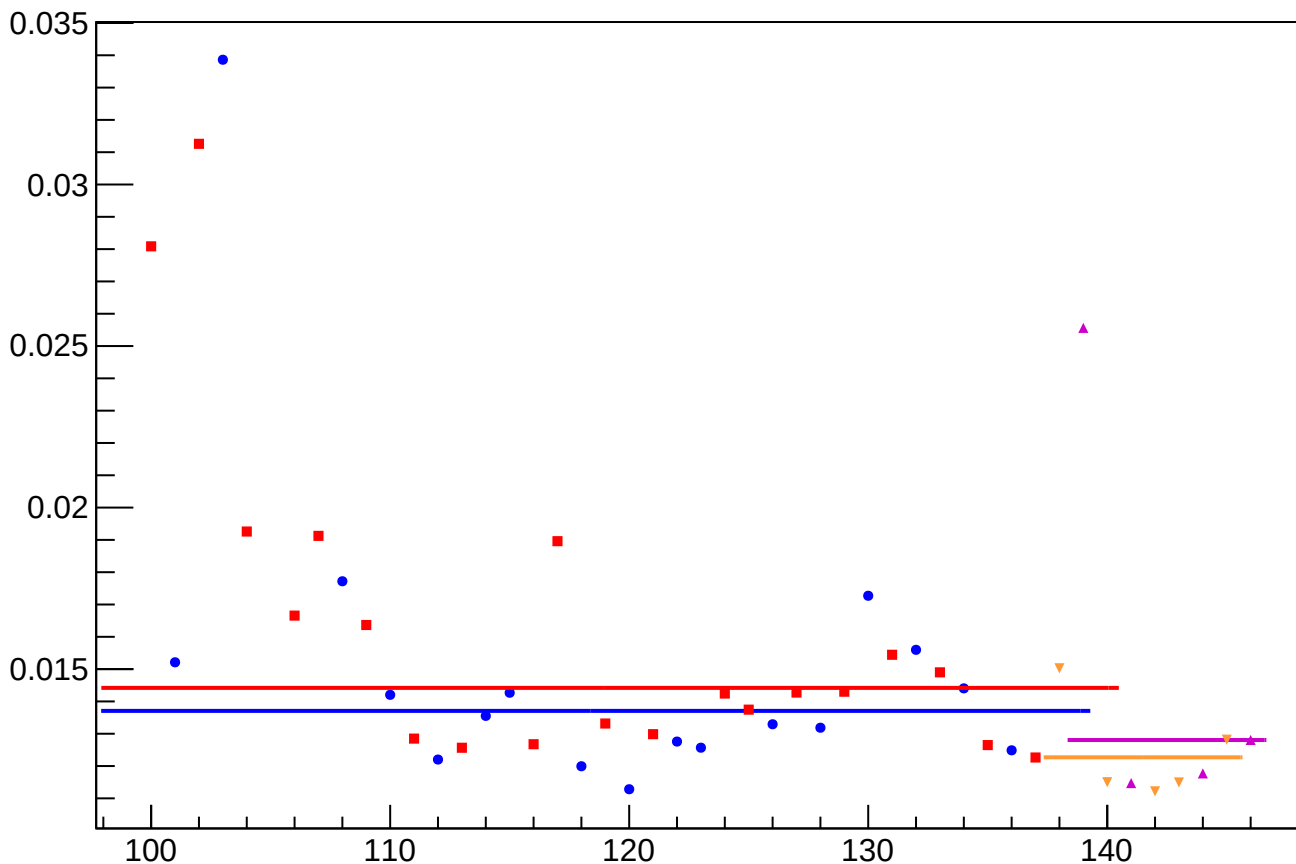
Left In: 0.814+/-0.000 χ^2/NDF : 14553796.4/3

0.914+/-0.000 χ^2/NDF : 315772941.4/21

0.899+/-0.000 χ^2/NDF : 848150516.0/45

0.883+/-0.000 χ^2/NDF : 510267959.5/23

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014 ± 0.000 $\chi^2/\text{NDF}: 546317.6/16$

Left Out: 0.012 ± 0.000 $\chi^2/\text{NDF}: 58066.4/4$

Right Out: 0.014 ± 0.000 $\chi^2/\text{NDF}: 506553.4/19$

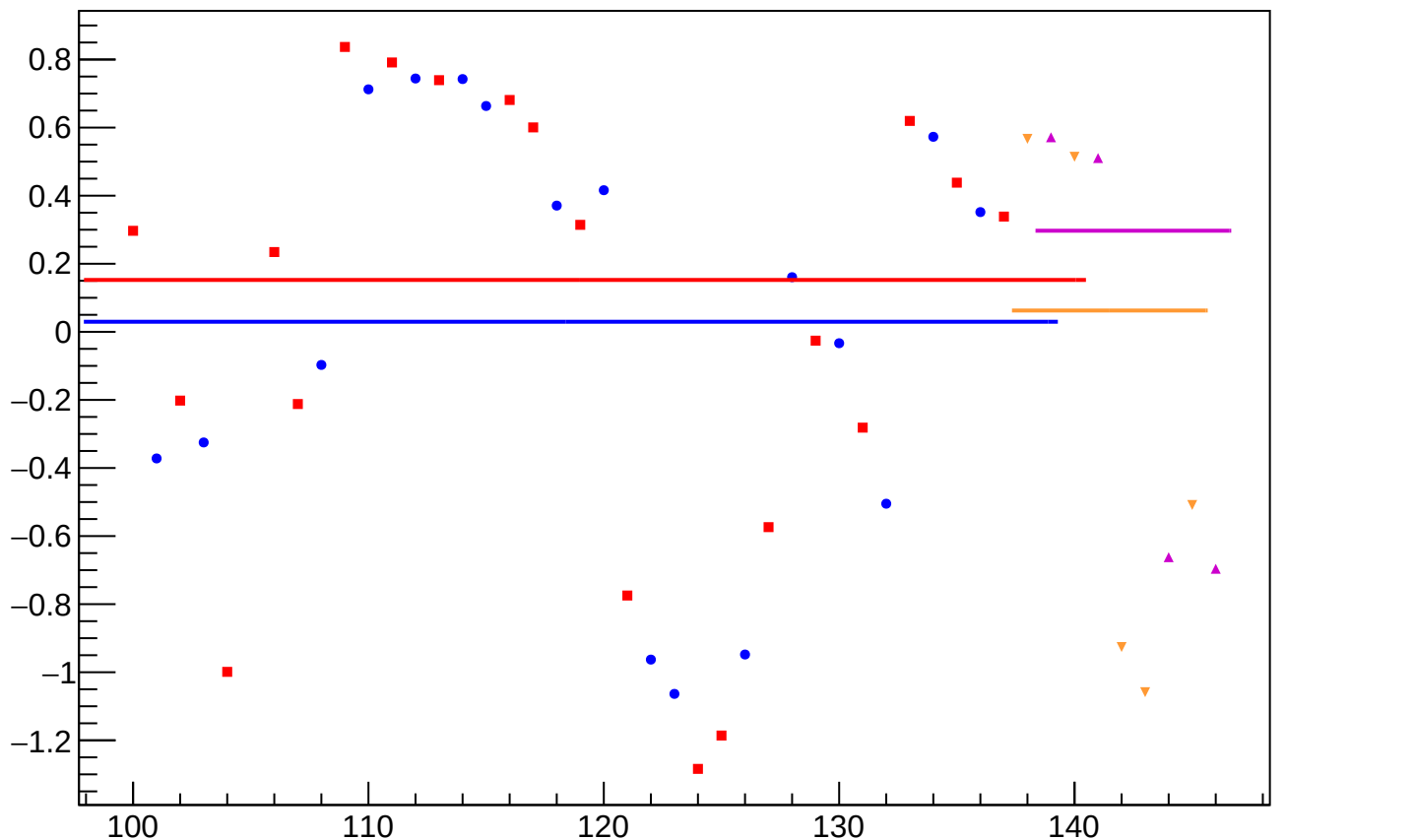
Left In: 0.013 ± 0.000 $\chi^2/\text{NDF}: 358222.4/3$

0.013 ± 0.000 $\chi^2/\text{NDF}: 650962.2/21$

0.014 ± 0.000 $\chi^2/\text{NDF}: 1591023.1/45$

0.014 ± 0.000 $\chi^2/\text{NDF}: 919490.4/23$

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 6294824795.0/16

Left Out: 0.063 $\pm$ 0.000 χ^2 /NDF: 14167300192.0/4

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12673501089.9/19

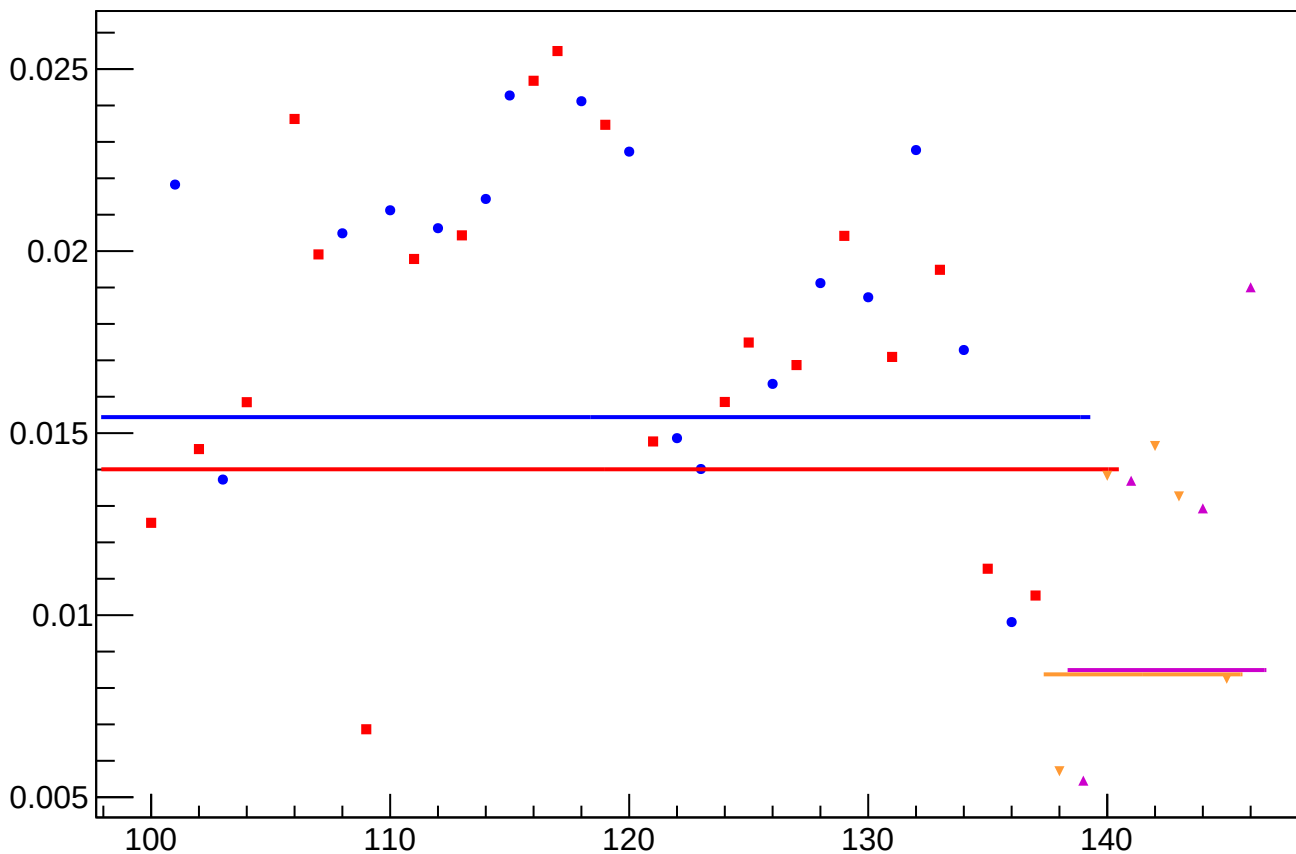
Left In: 0.297 $\pm$ 0.000 χ^2 /NDF: 8298620250.7/3

0.050 $\pm$ 0.000 χ^2 /NDF: 20477676708.5/21

0.140 $\pm$ 0.000 χ^2 /NDF: 42740229310.5/4

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: 0.008+/-0.000 χ^2/NDF : 783285.8/4

Right Out: 0.014+/-0.000 χ^2/NDF : 1576149.9/19

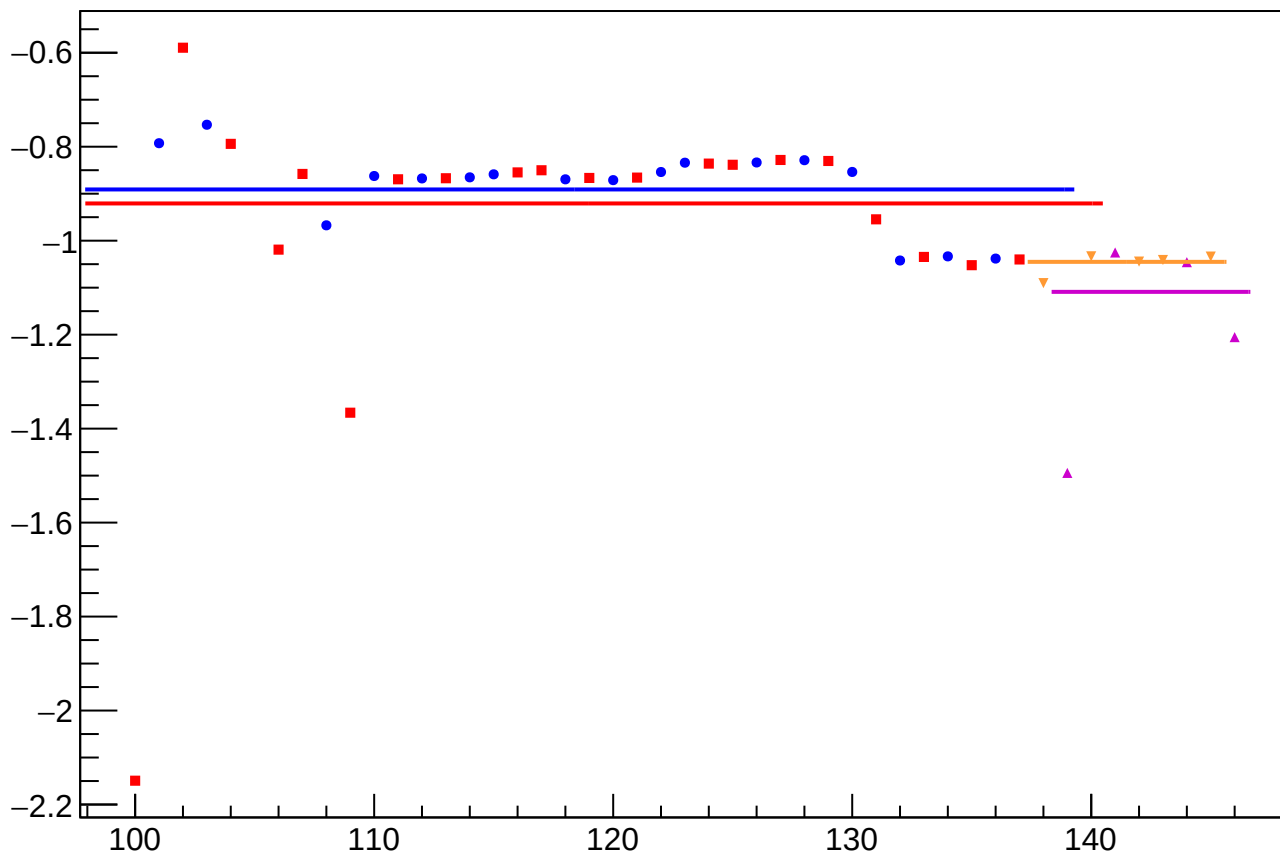
Left In: 0.008+/-0.000 χ^2/NDF : 1251217.9/3

0.011+/-0.000 χ^2/NDF : 3372758.5/21

0.011+/-0.000 χ^2/NDF : 7125307.0/45

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: -1.045+/-0.000 χ^2/NDF : 1011347.0/4

Right Out: -0.921+/-0.000 χ^2/NDF : 131271770.4/19

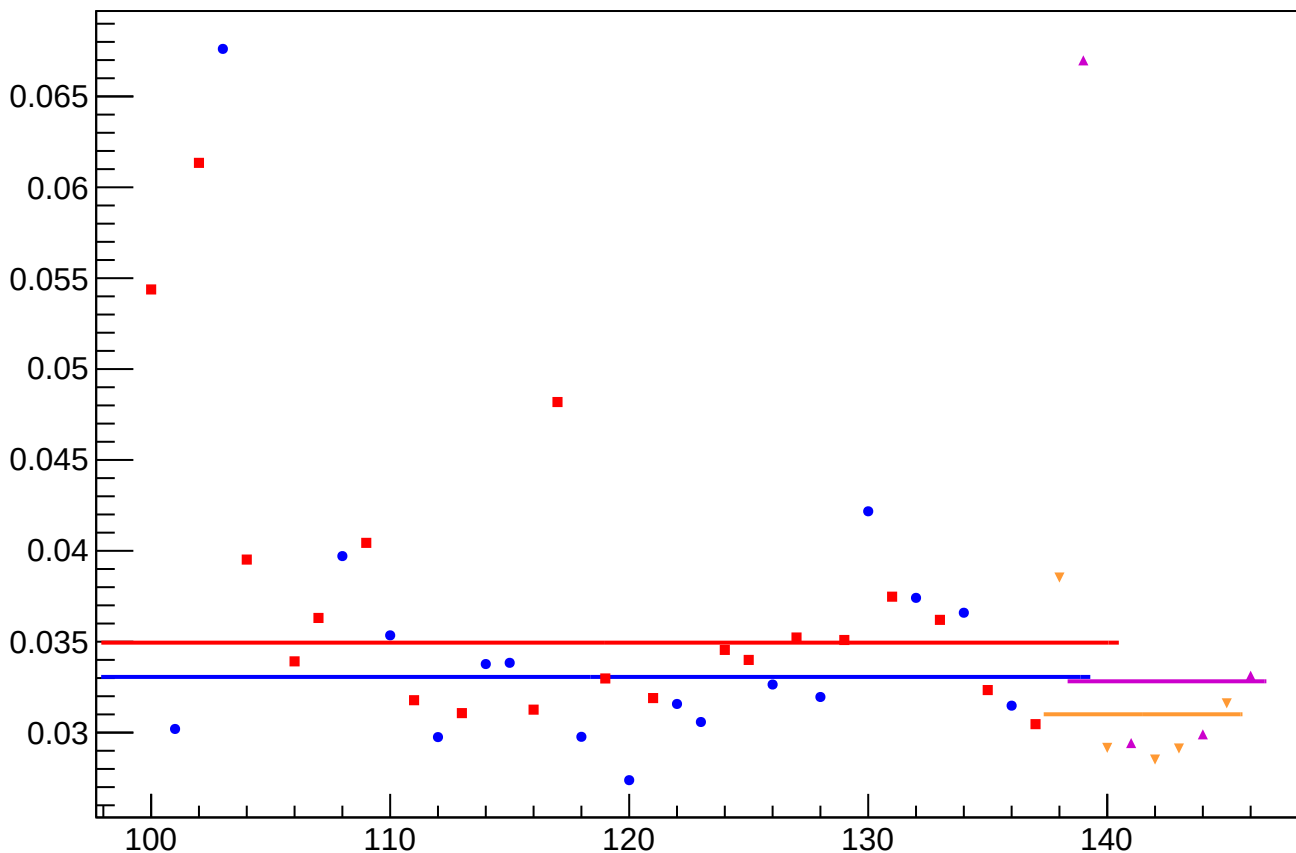
Left In: -1.109+/-0.000 χ^2/NDF : 36991359.8/3

-0.943+/-0.000 χ^2/NDF : 83715107.0/21

-0.962+/-0.000 χ^2/NDF : 316838937.6/45

-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 :59901.8/4

Right Out: 0.035+/-0.000 χ^2/NDF : 280500.4/19

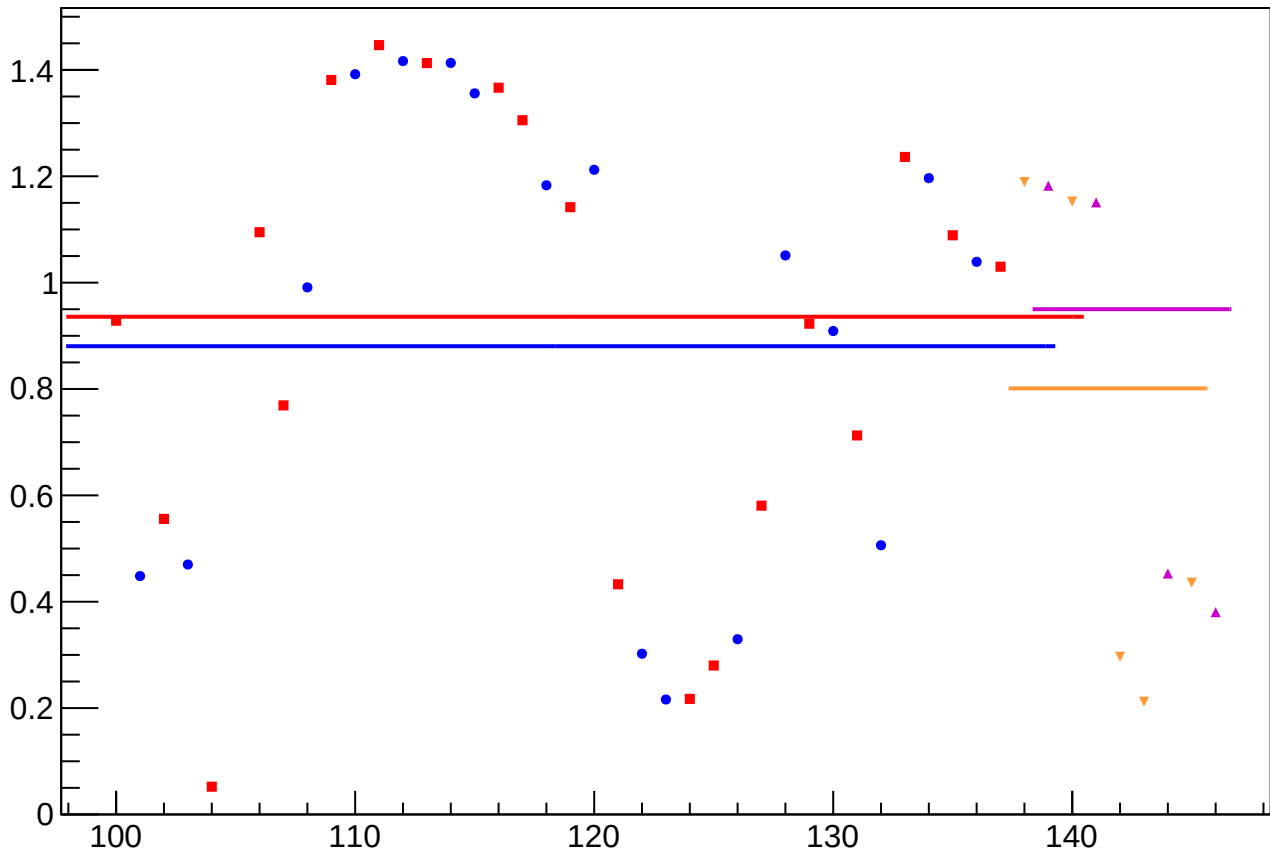
Left In: 0.033+/-0.000 χ^2/NDF :374908.0/3

0.032+/-0.000 χ^2/NDF : 484533.3/21

0.033+/-0.000 χ^2/NDF : 1182730.5/45

0.034+/-0.000 χ^2/NDF : 670439.3/23

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.880+/-0.000 χ^2/NDF : 6400108121.4/16

Left Out: 0.801+/-0.000 χ^2/NDF : 10221458357.8/4

Right Out: 0.936+/-0.000 χ^2/NDF : 9851303698.9/19

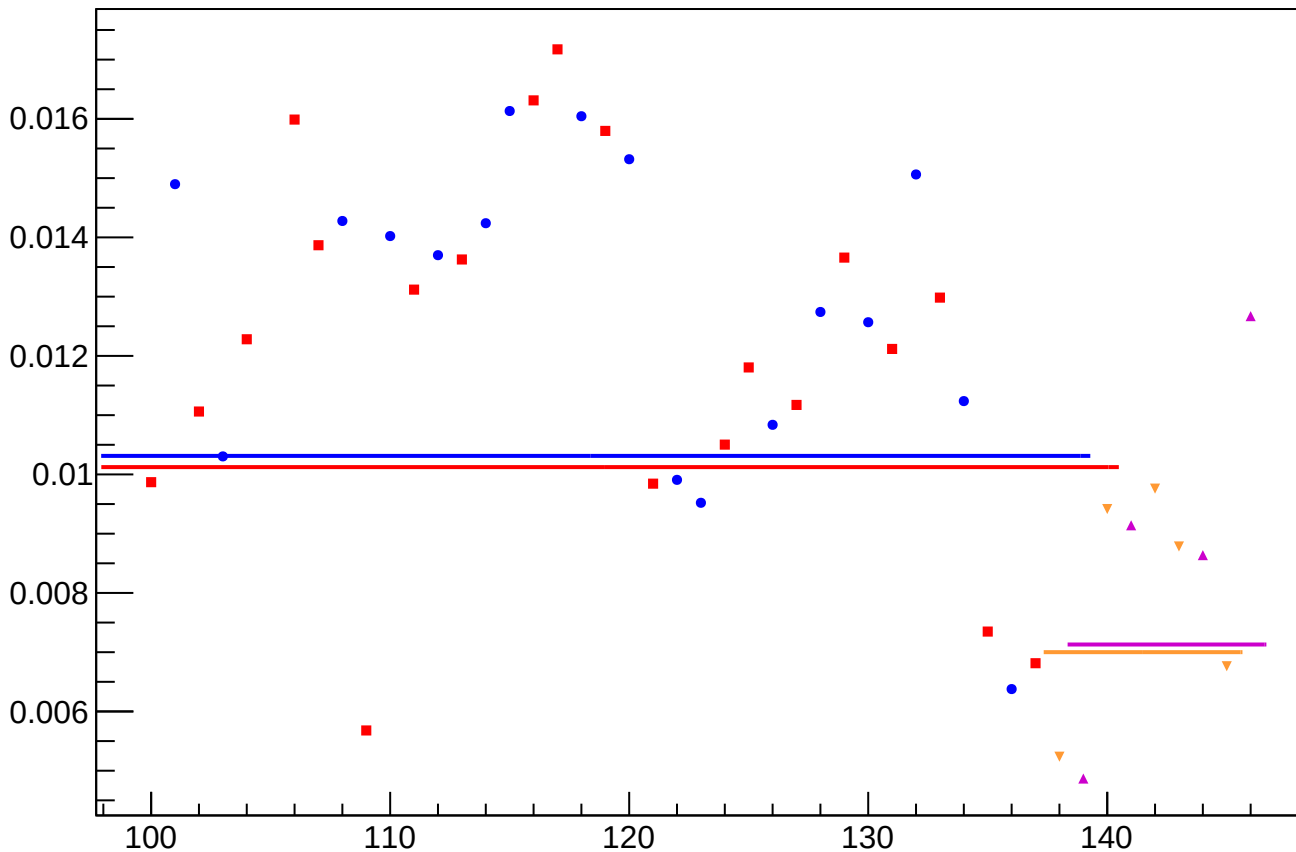
Left In: 0.950+/-0.000 χ^2/NDF : 6026595162.4/3

0.839+/-0.000 χ^2/NDF : 16796414135.4/21

0.890+/-0.000 χ^2/NDF : 33275202059.4/4

0.943+/-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 : 357229.8/4

Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 1191429.9/19

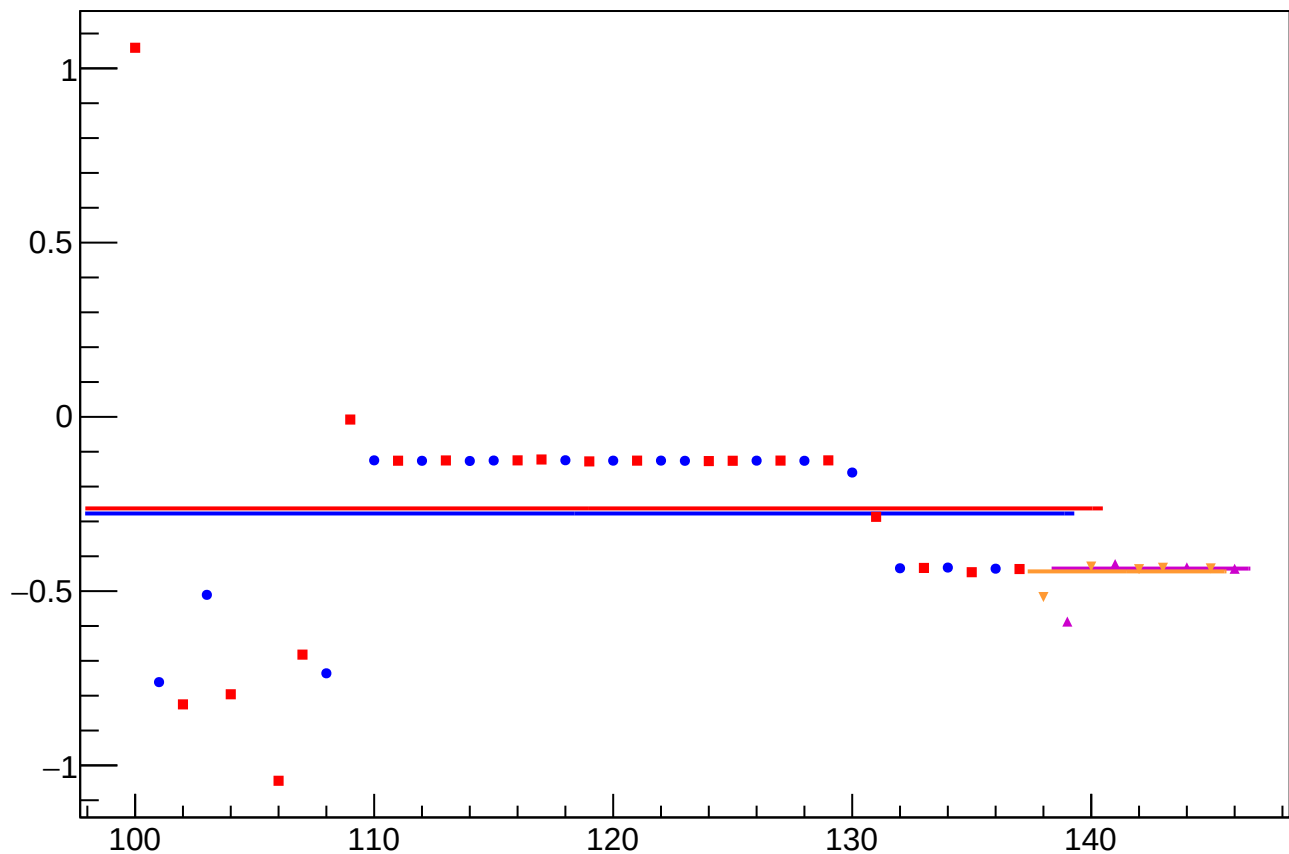
Left In: 0.007 $\pm$ 0.000 χ^2/NDF : 677089.1/3

0.009 $\pm$ 0.000 χ^2/NDF : 2198025.6/21

0.009 $\pm$ 0.000 χ^2/NDF : 4555759.6/45

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: -0.443+/-0.000 χ^2/NDF : 22536760.9/4

Right Out: -0.263+/-0.000 χ^2/NDF : 1009303829.9/19

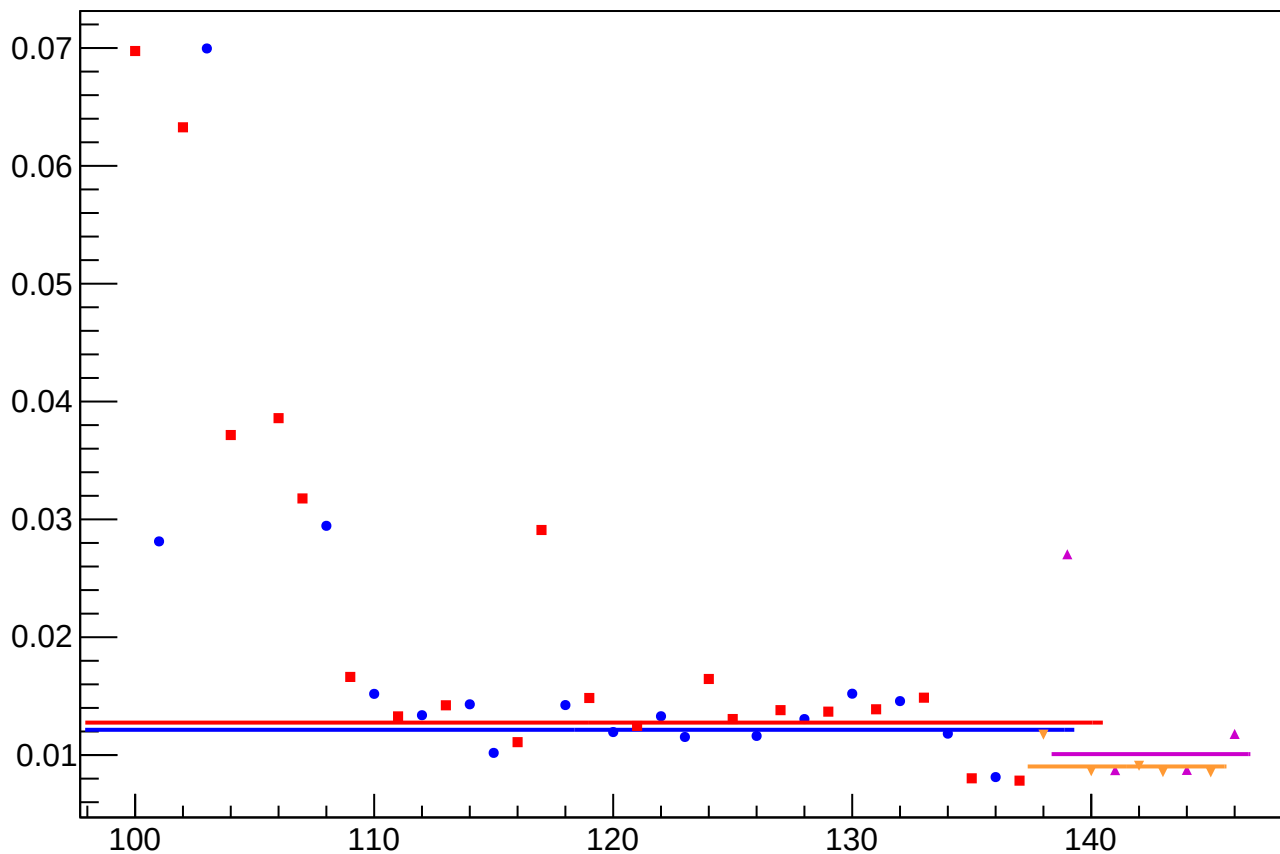
Left In: -0.435+/-0.000 χ^2/NDF : 22524896.4/3

-0.357+/-0.000 χ^2/NDF : 1386131457.4/21

-0.348+/-0.000 χ^2/NDF : 2814226528.5/4

-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 : 62115.0/4

Right Out: 0.013+/-0.000 χ^2/NDF : 1993726.2/19

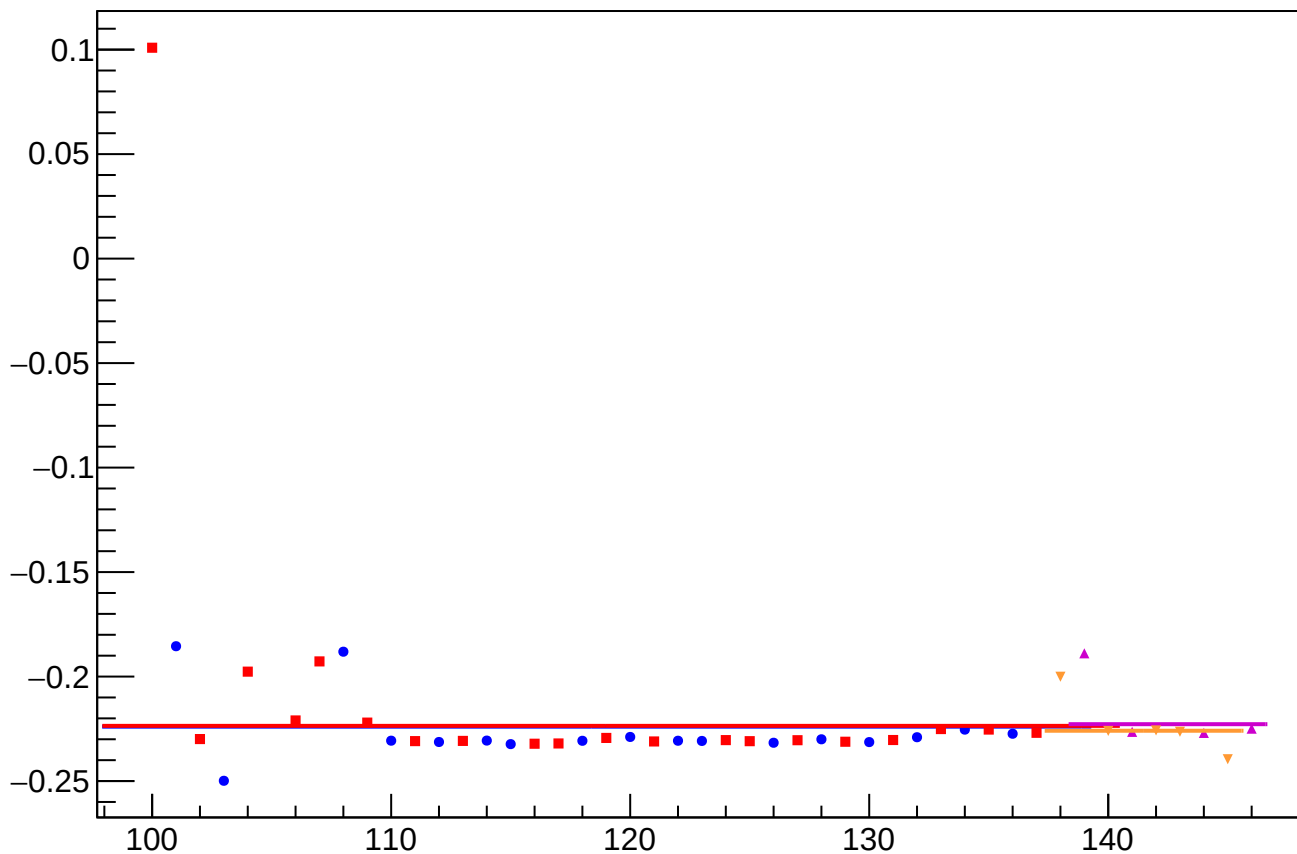
Left In: 0.010+/-0.000 χ^2/NDF : 612708.6/3

0.011+/-0.000 χ^2/NDF : 2086132.4/21

0.011+/-0.000 χ^2/NDF : 4928324.0/45

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 : 20469470.3/4

Right Out: -0.224+/-0.000 χ^2/NDF : 168231258.4/19

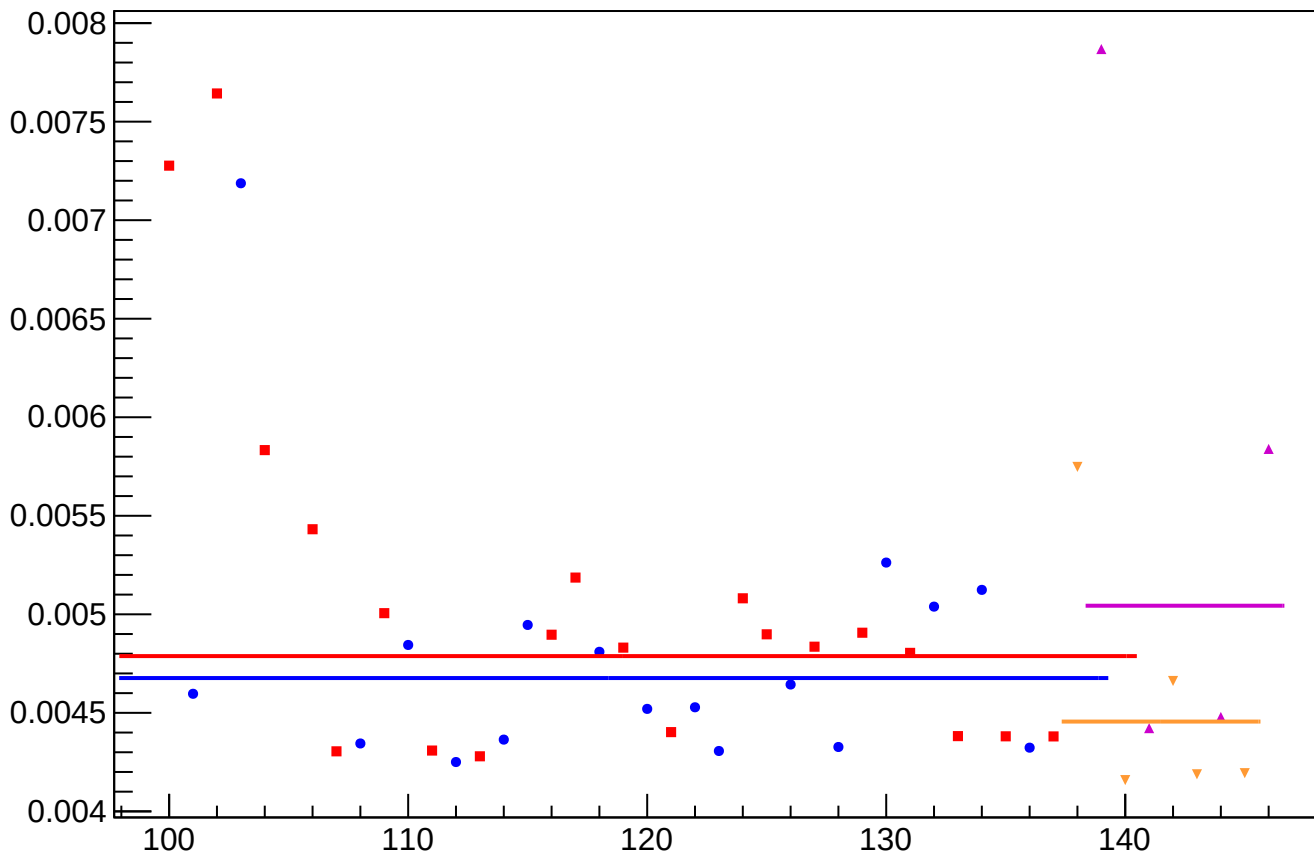
Left In: -0.223+/-0.000 χ^2/NDF : 13234515.8/3

-0.225+/-0.000 χ^2/NDF : 95547749.3/21

-0.224+/-0.000 χ^2/NDF : 277390363.5/45

-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: 0.004+/-0.000 χ^2/NDF : 85802.5/4

Right Out: 0.005+/-0.000 χ^2/NDF : 248668.3/19

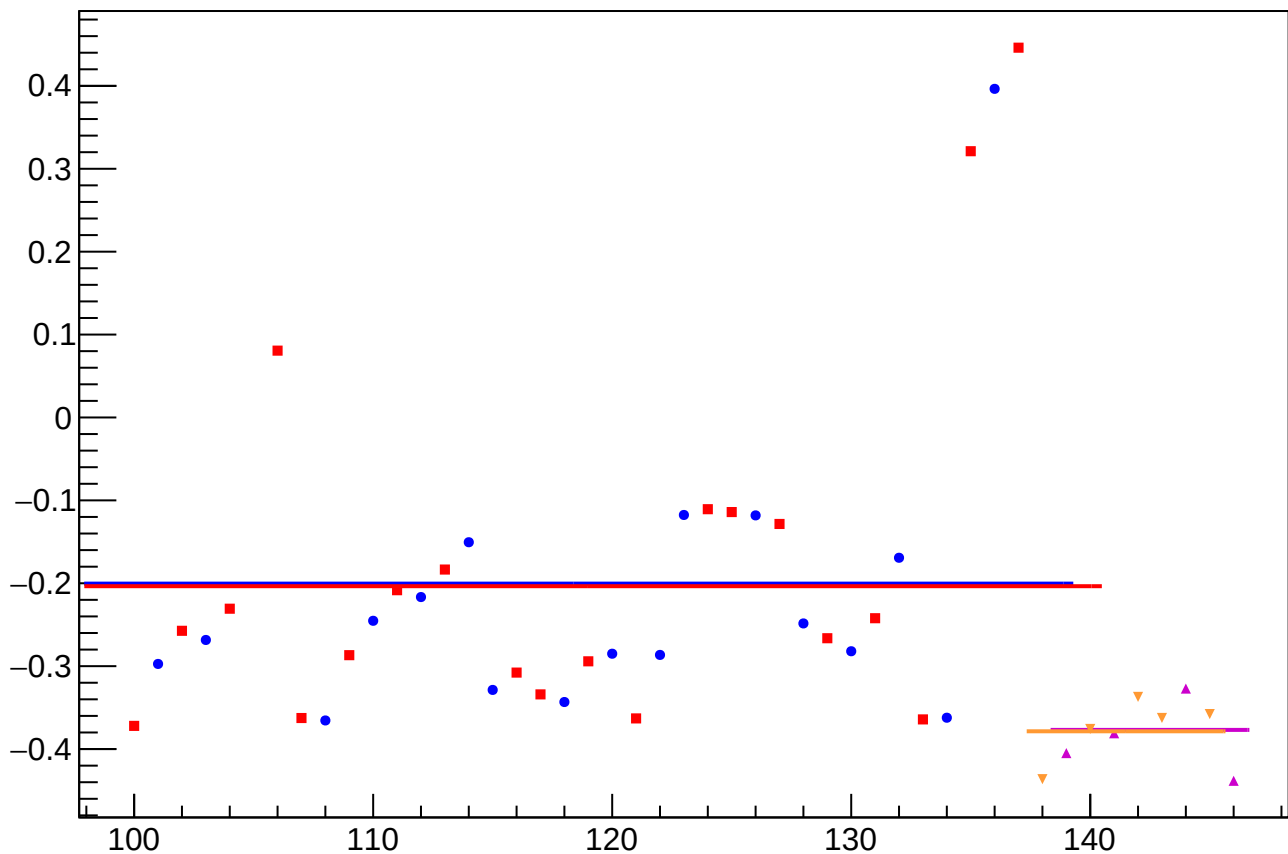
Left In: 0.005+/-0.000 χ^2/NDF : 247497.1/3

0.005+/-0.000 χ^2/NDF : 276473.2/21

0.005+/-0.000 χ^2/NDF : 810325.5/45

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: -0.379+/-0.000 χ^2/NDF : 143034790.7/4

Right Out: -0.204+/-0.000 χ^2/NDF : 5045878528.0/19

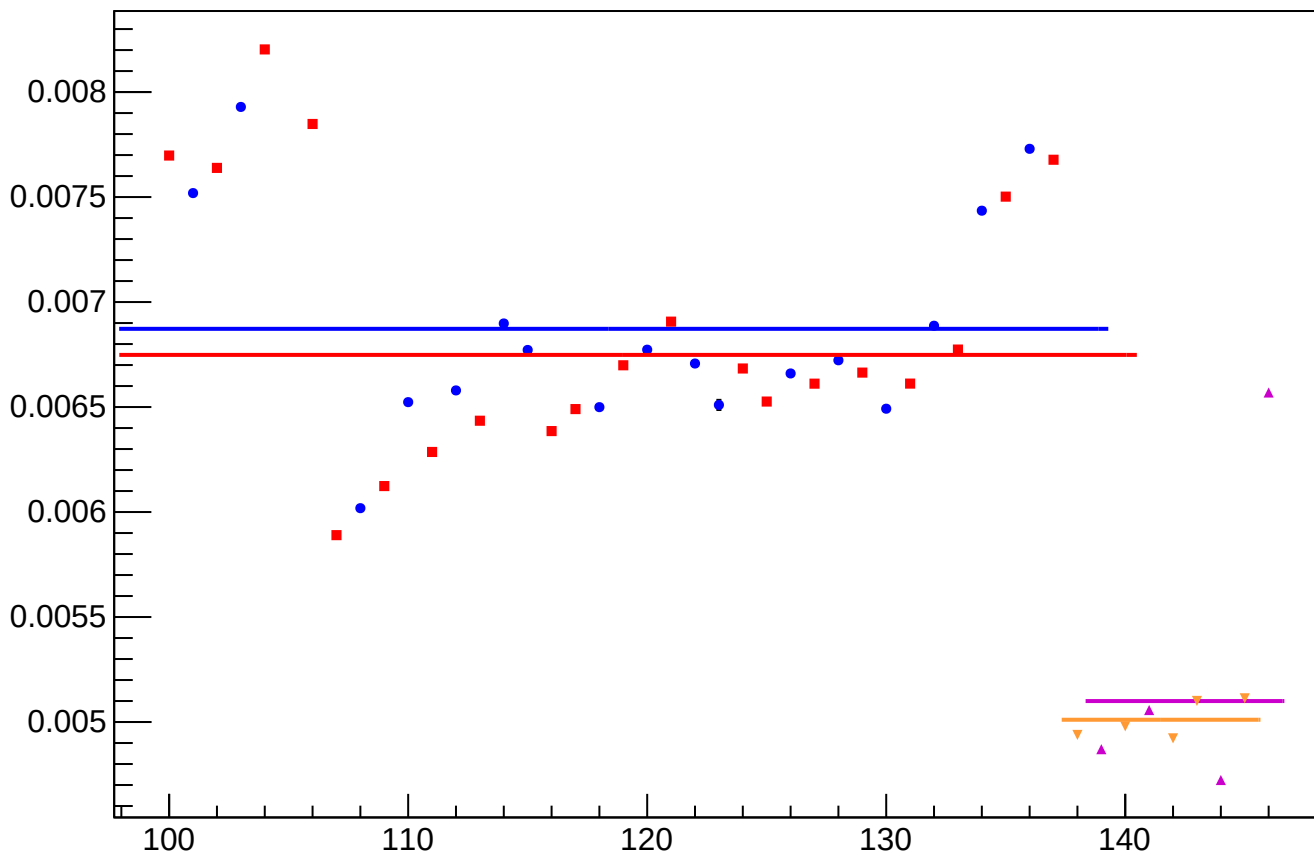
Left In: -0.377+/-0.000 χ^2/NDF : 167450733.1/3

-0.285+/-0.000 χ^2/NDF : 8202435023.9/21

-0.281+/-0.000 χ^2/NDF : 15349120658.2/21

-0.277+/-0.000 χ^2/NDF : 7138101456.0/23

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 78611.6/16

Left Out: 0.005+/-0.000 χ^2/NDF :1517.1/4

Right Out: 0.007+/-0.000 χ^2/NDF : 105262.1/19

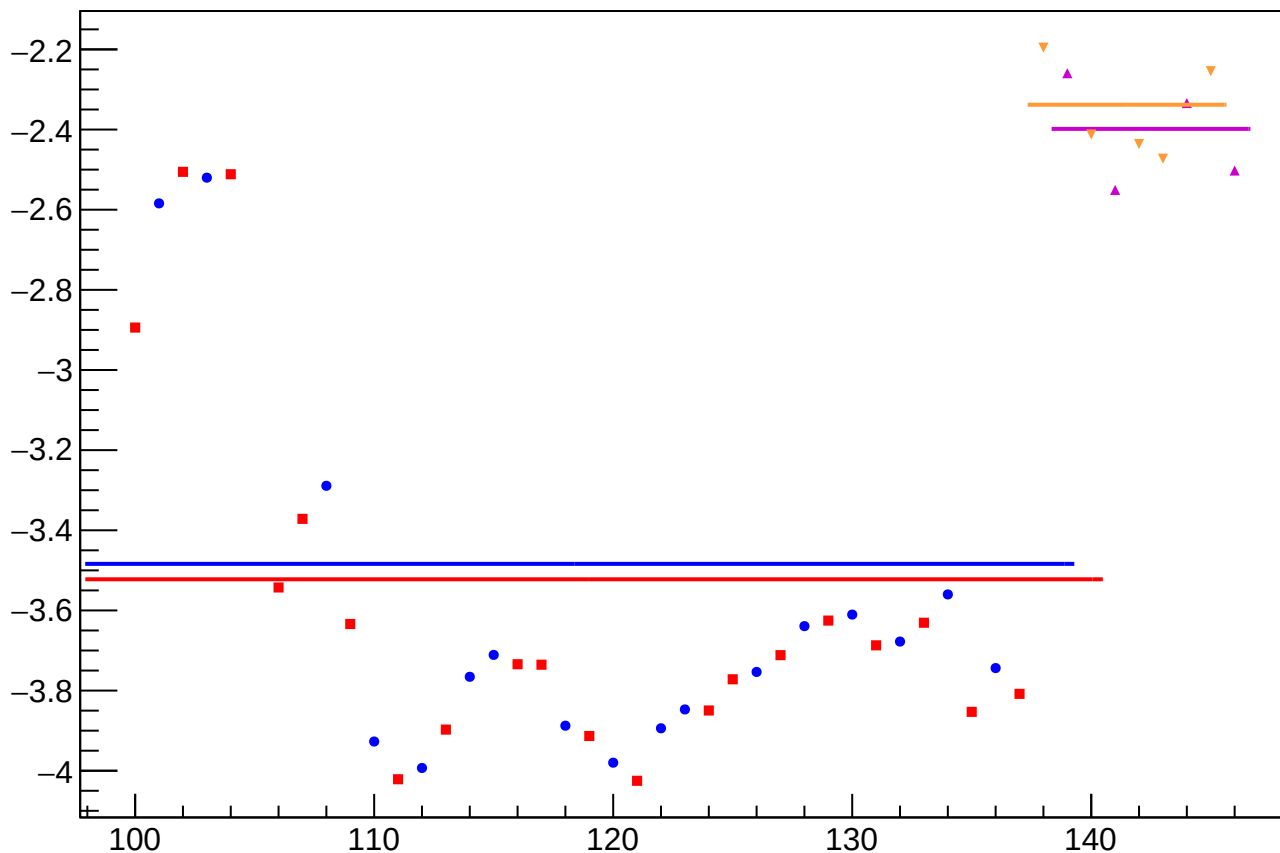
Left In: 0.005+/-0.000 χ^2/NDF :76234.6/3

0.006+/-0.000 χ^2/NDF : 535765.2/21

0.006+/-0.000 χ^2/NDF : 1066399.1/45

0.006+/-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: -2.338+/-0.000 χ^2/NDF : 376003139.4/4

Right Out: -3.522+/-0.000 χ^2/NDF : 26497611752.4/19

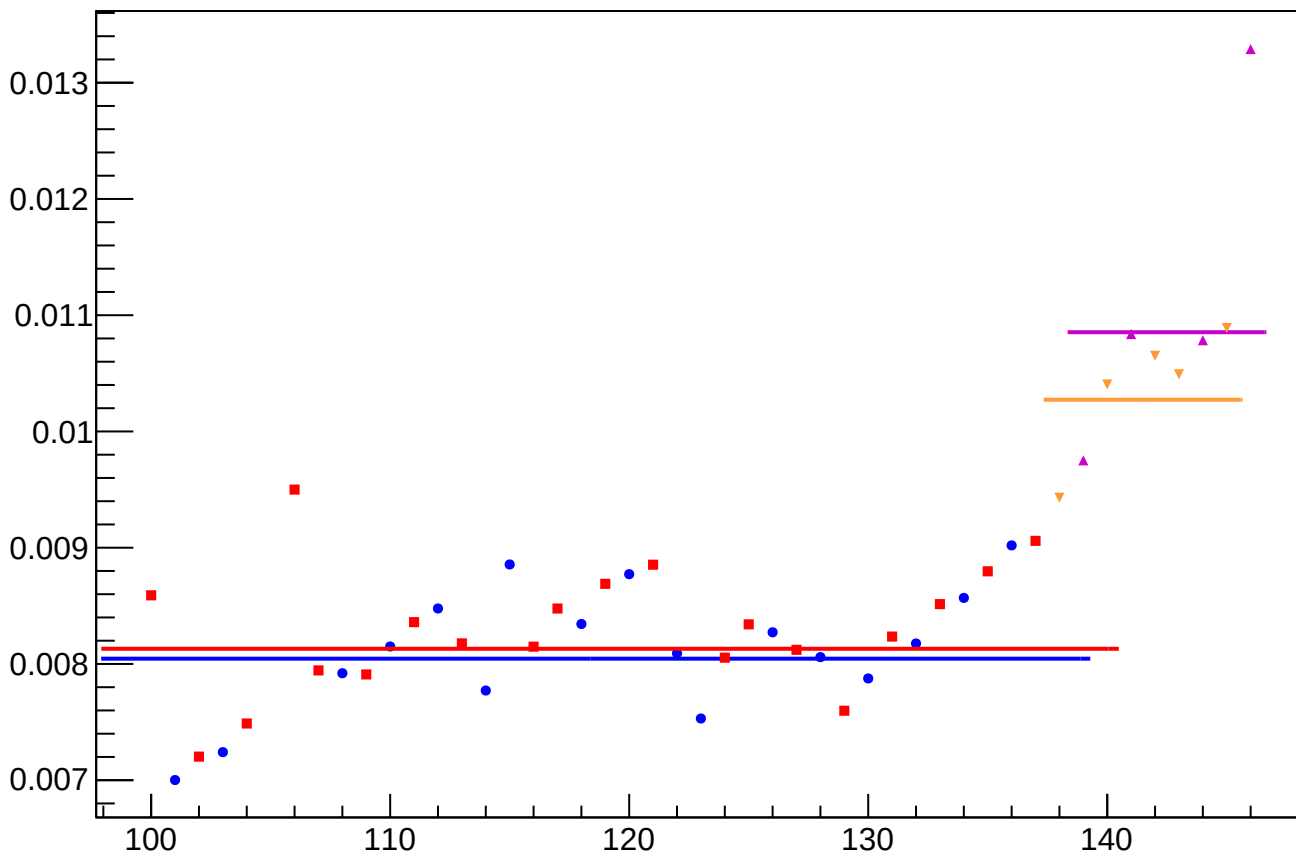
Left In: -2.398+/-0.000 χ^2/NDF : 368240501.2/3

-3.221+/-0.000 χ^2/NDF : 57841802404.4/21

-3.262+/-0.000 χ^2/NDF : 110352056877.8

-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: 0.010 $\pm$ 0.000 χ^2/NDF : 17600.1/4

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 57613.2/19

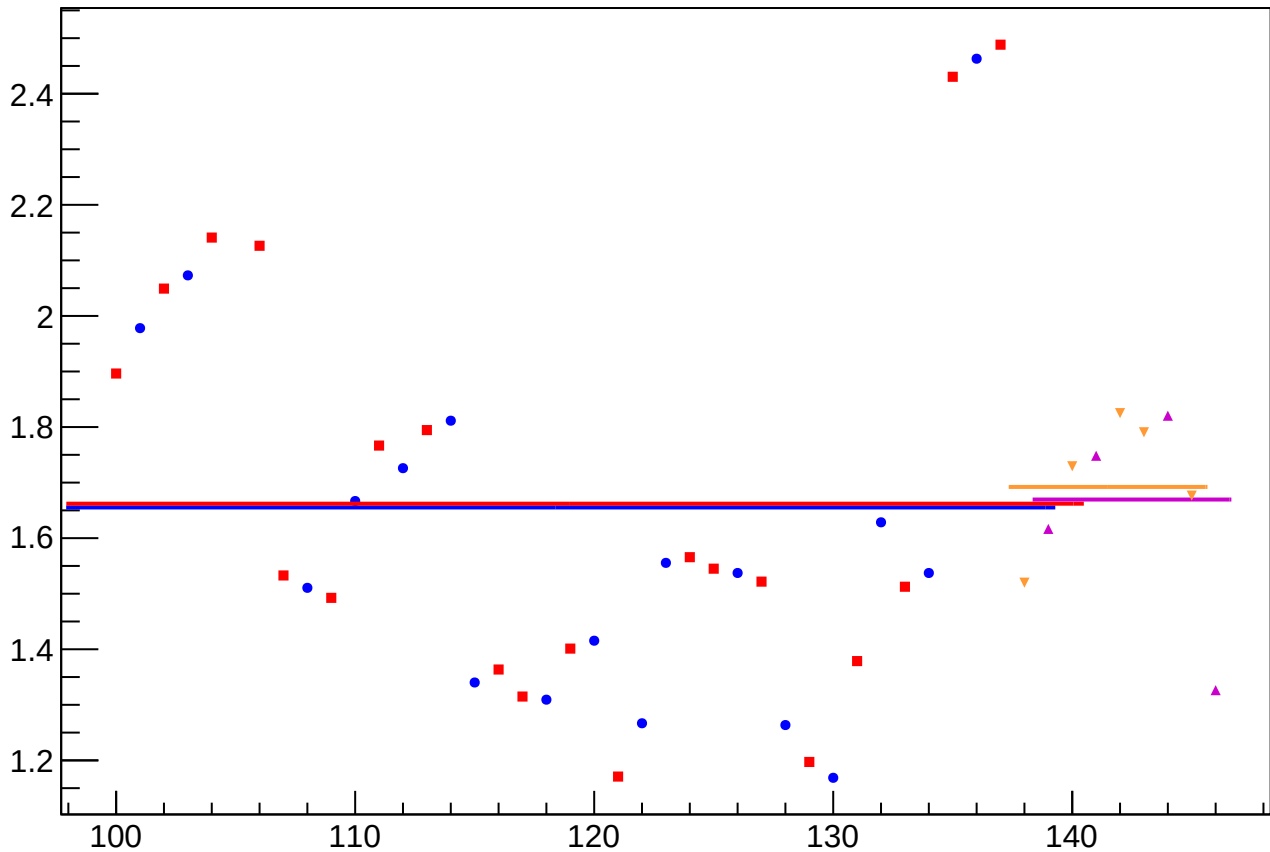
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 58244.4/3

0.009 $\pm$ 0.000 χ^2/NDF : 318606.8/21

0.009 $\pm$ 0.000 χ^2/NDF : 731475.1/45

0.009 $\pm$ 0.000 χ^2/NDF : 411558.0/23

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.655+/-0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.692+/-0.000 χ^2/NDF : 299202447.9/4

Right Out: 1.662+/-0.000 χ^2/NDF : 5975345573.0/19

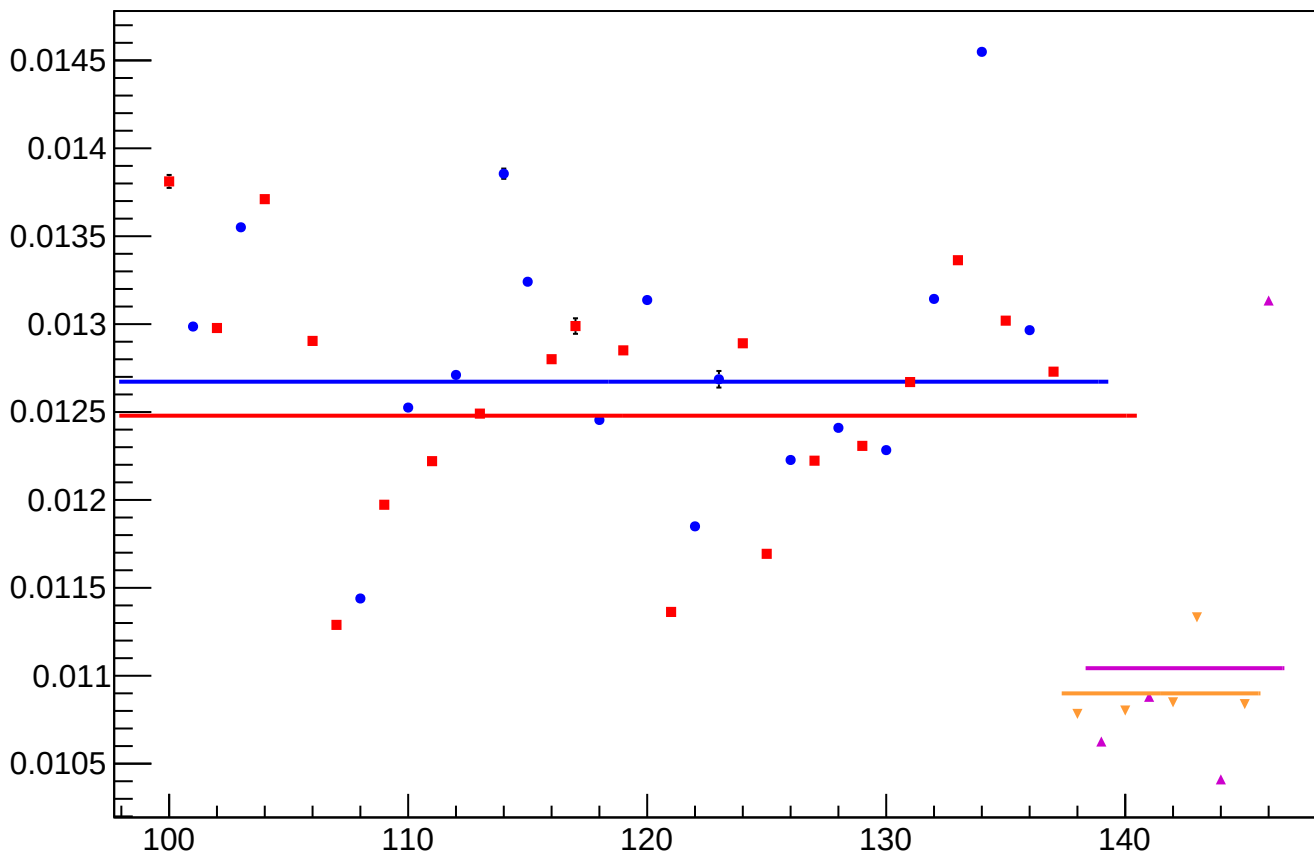
Left In: 1.670+/-0.000 χ^2/NDF : 709331330.9/3

1.670+/-0.000 χ^2/NDF : 6797864268.7/21

1.667+/-0.000 χ^2/NDF : 13484357292.2/4

1.665+/-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:2021.4/4

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 39268.9/19

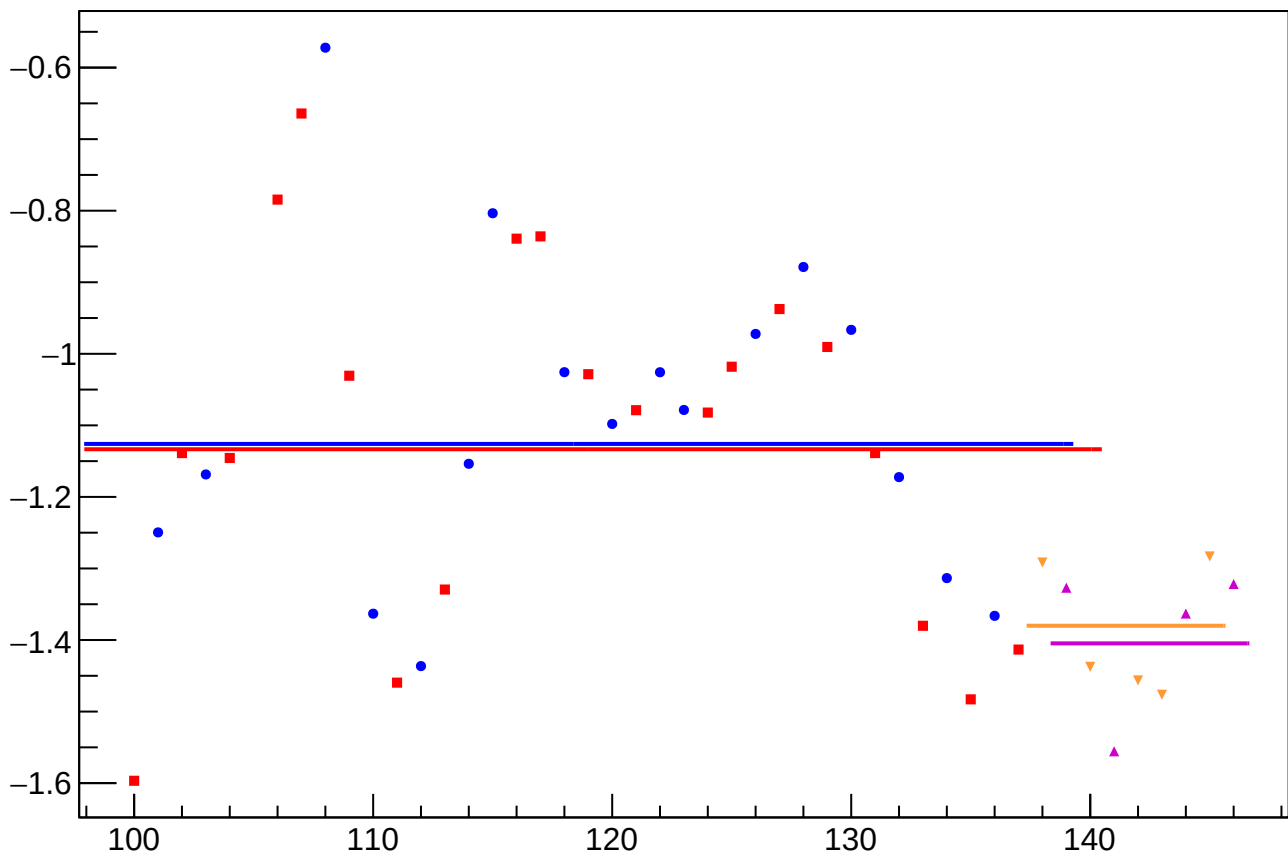
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:43884.8/3

0.012 $\pm$ 0.000 χ^2 /NDF: 135912.1/21

0.012 $\pm$ 0.000 χ^2 /NDF: 284451.2/45

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: -1.380+/-0.000 χ^2/NDF : 312522076.9/4

Right Out: -1.133+/-0.000 χ^2/NDF : 3706528266.7/19

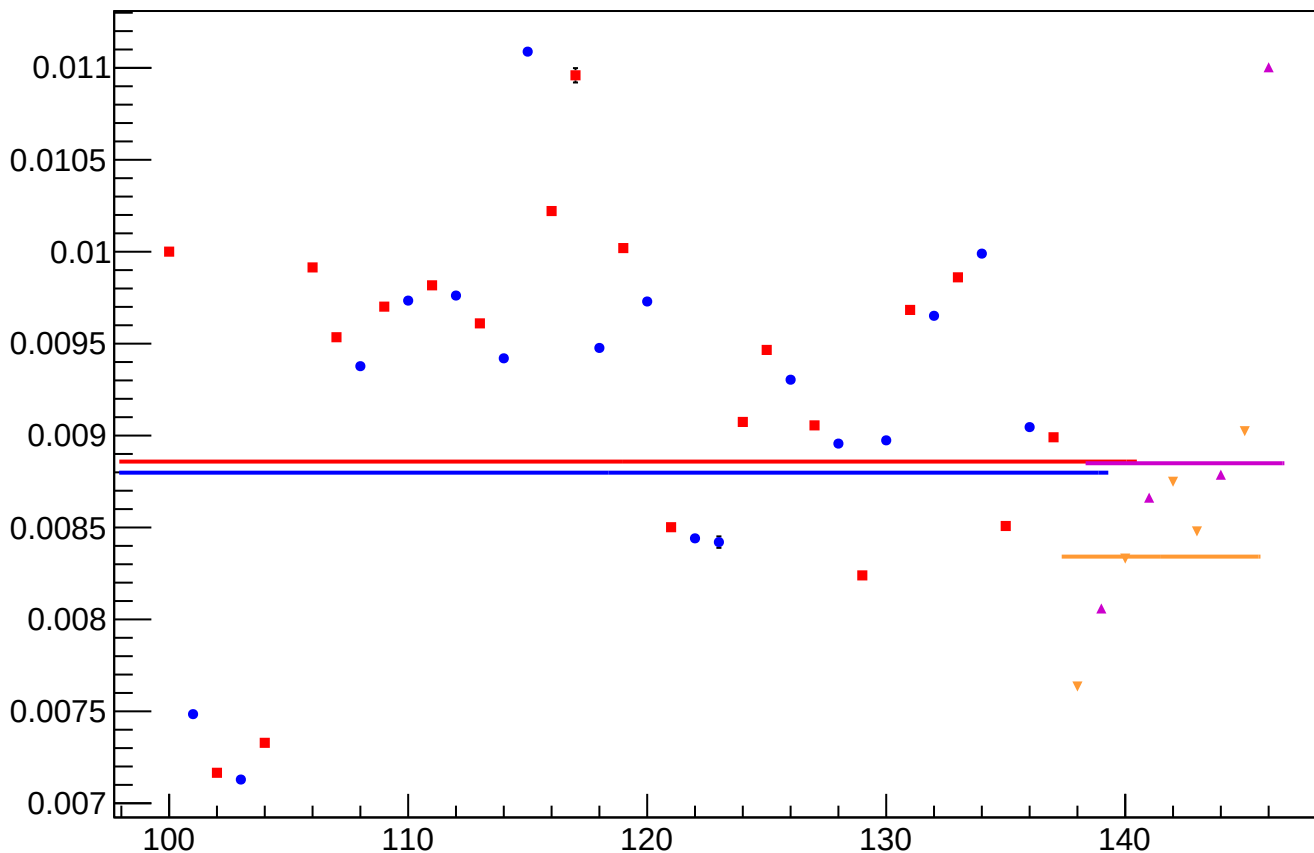
Left In: -1.405+/-0.000 χ^2/NDF : 364954243.2/3

-1.215+/-0.000 χ^2/NDF : 5760631076.3/21

-1.216+/-0.000 χ^2/NDF : 11723255051.9/4

-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: 0.008+/-0.000 χ^2/NDF : 21565.9/4

Right Out: 0.009+/-0.000 χ^2/NDF : 176858.0/19

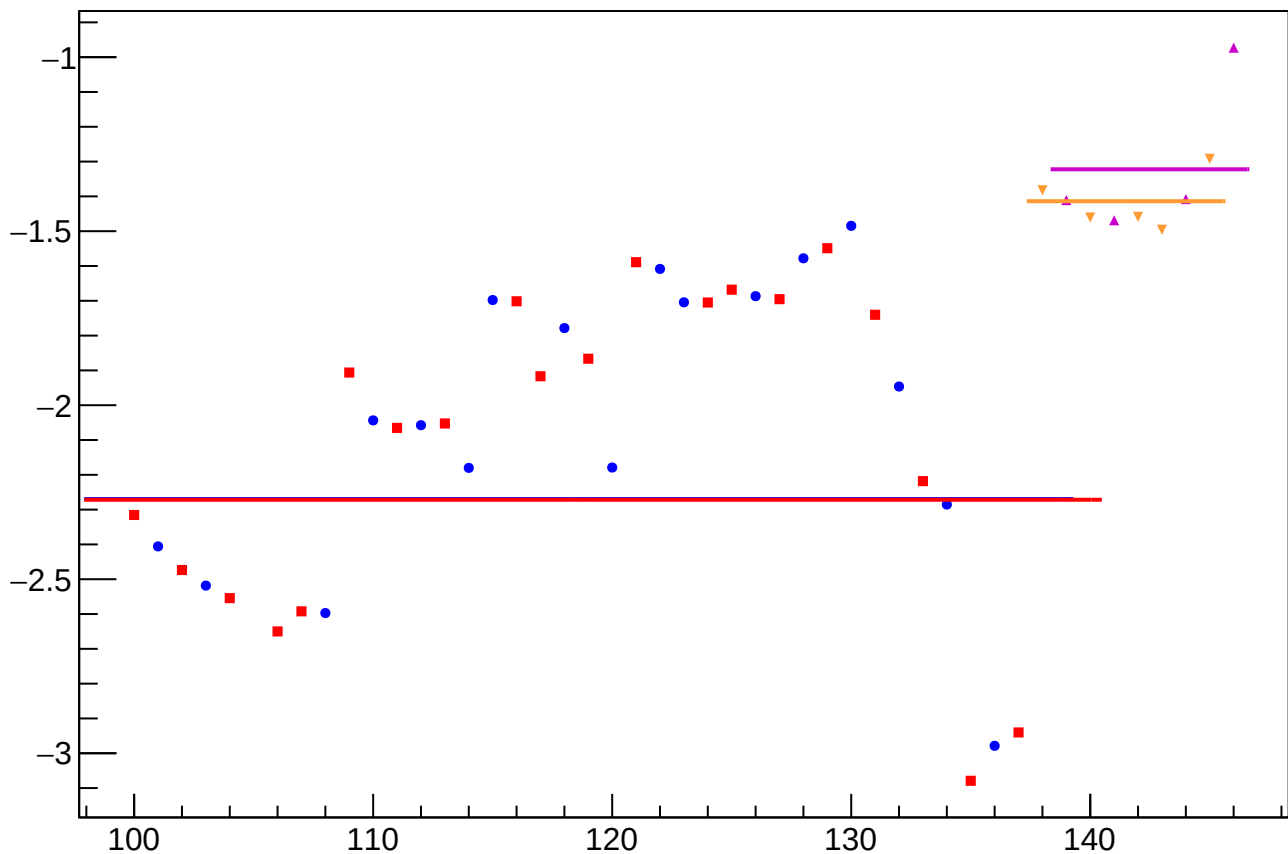
Left In: 0.009+/-0.000 χ^2/NDF : 60280.9/3

0.009+/-0.000 χ^2/NDF : 185253.0/21

0.009+/-0.000 χ^2/NDF : 428328.2/45

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: -1.414+/-0.000 χ^2/NDF : 288334064.3/4

Right Out: -2.272+/-0.000 χ^2/NDF : 19012236430.2/19

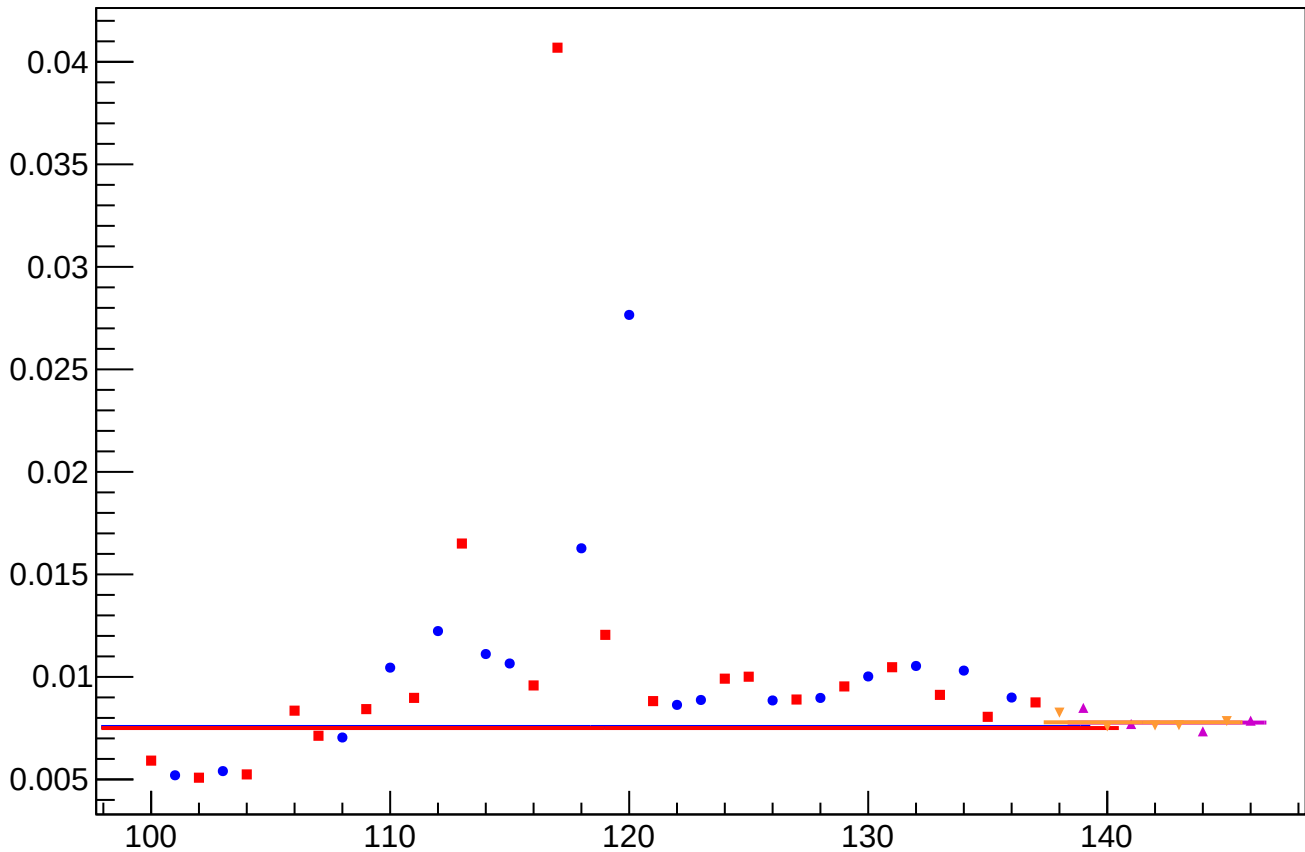
Left In: -1.322+/-0.000 χ^2/NDF : 1907059309.1/3

-1.958+/-0.000 χ^2/NDF : 41170077503.9/21

-1.957+/-0.000 χ^2/NDF : 91873870041.7/4

-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 : 5982.1/4

Right Out: 0.008+/-0.000 χ^2/NDF : 984811.6/19

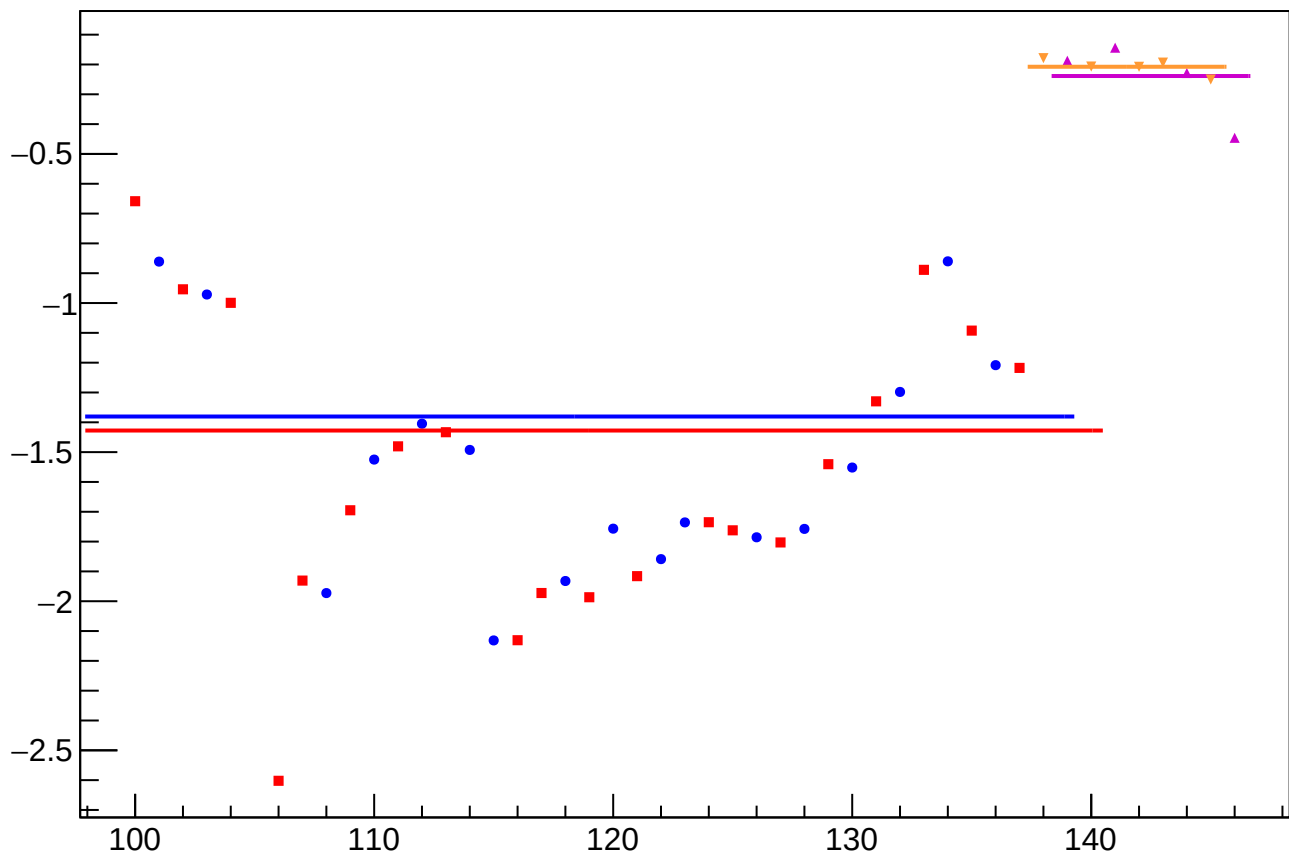
Left In: 0.008+/-0.000 χ^2/NDF : 14902.3/3

0.008+/-0.000 χ^2/NDF : 1230301.7/21

0.008+/-0.000 χ^2/NDF : 2235018.6/45

0.008+/-0.000 χ^2/NDF : 1004408.4/23

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.381 $\pm$ 0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.208 $\pm$ 0.000 χ^2/NDF : 116031748.3/4

Right Out: -1.428 $\pm$ 0.000 χ^2/NDF : 29626603581.6/19

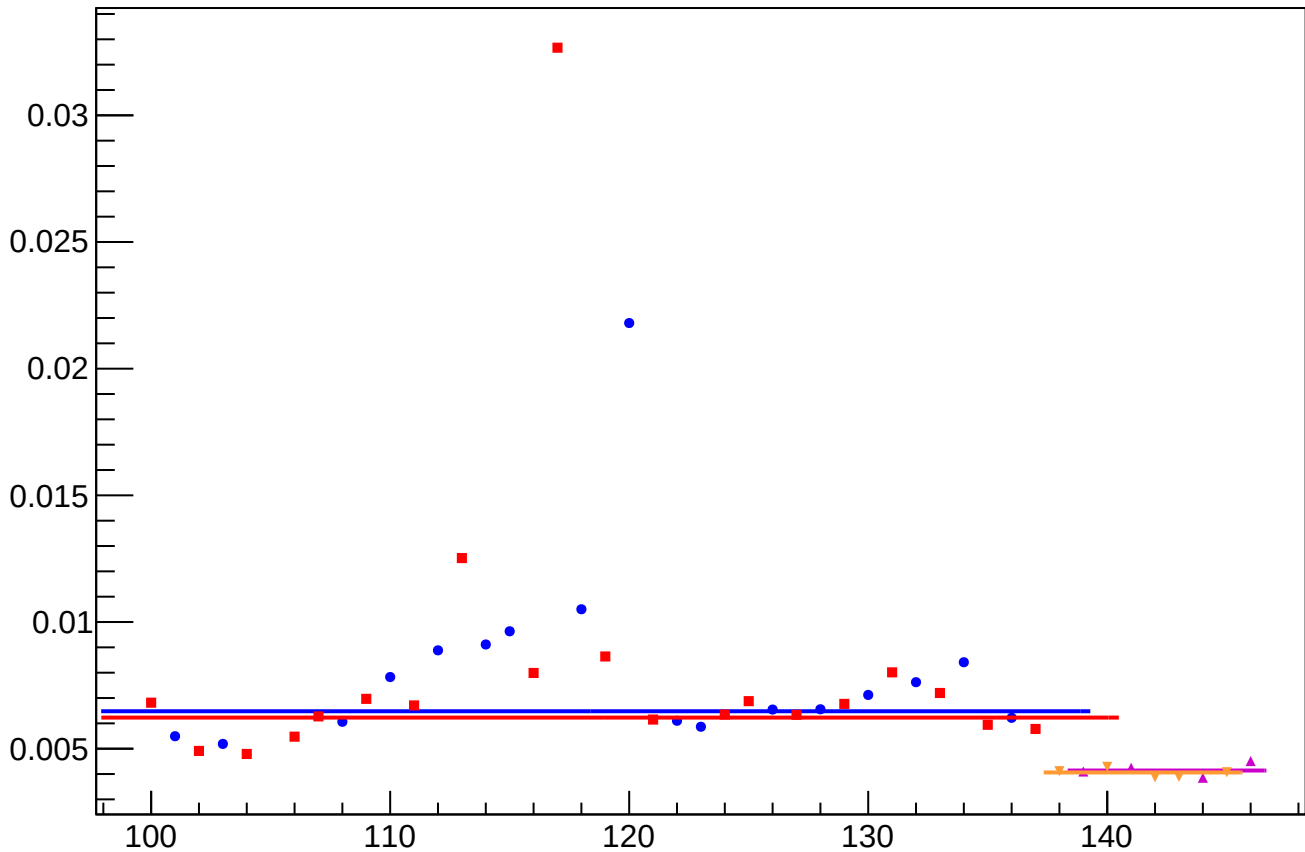
Left In: -0.239 $\pm$ 0.000 χ^2/NDF : 1891412000.9/3

-0.690 $\pm$ 0.000 χ^2/NDF : 125274405864.1/21

-0.746 $\pm$ 0.000 χ^2/NDF : 271848939563.6

-0.802 $\pm$ 0.000 χ^2/NDF : 144592870442.3/23

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 : 8418.9/4

Right Out: 0.006+/-0.000 χ^2/NDF : 472534.6/19

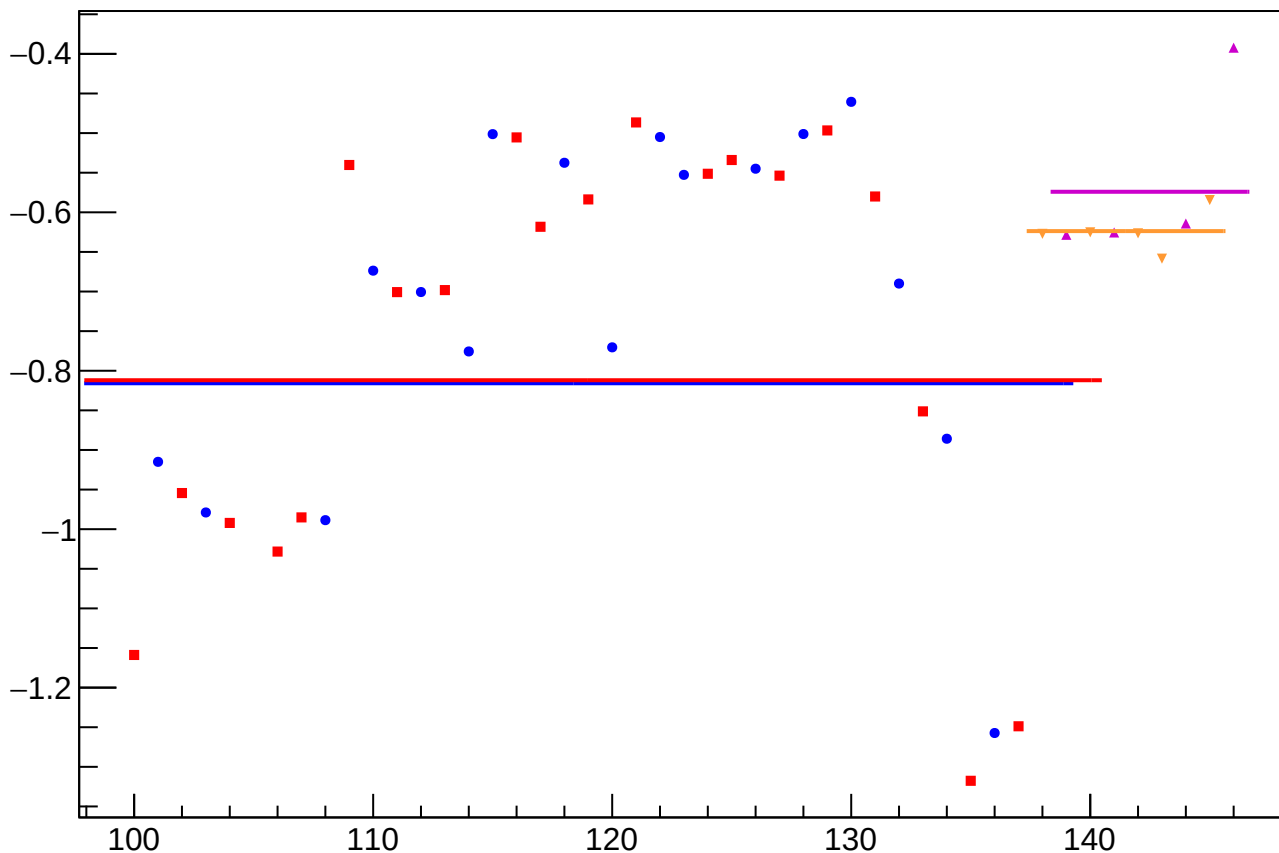
Left In: 0.004+/-0.000 χ^2/NDF : 18932.4/3

0.005+/-0.000 χ^2/NDF : 1472926.5/21

0.005+/-0.000 χ^2/NDF : 2664827.7/45

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: -0.624+/-0.000 χ^2/NDF : 61627249.2/4

Right Out: -0.812+/-0.000 χ^2/NDF : 16818378599.3/19

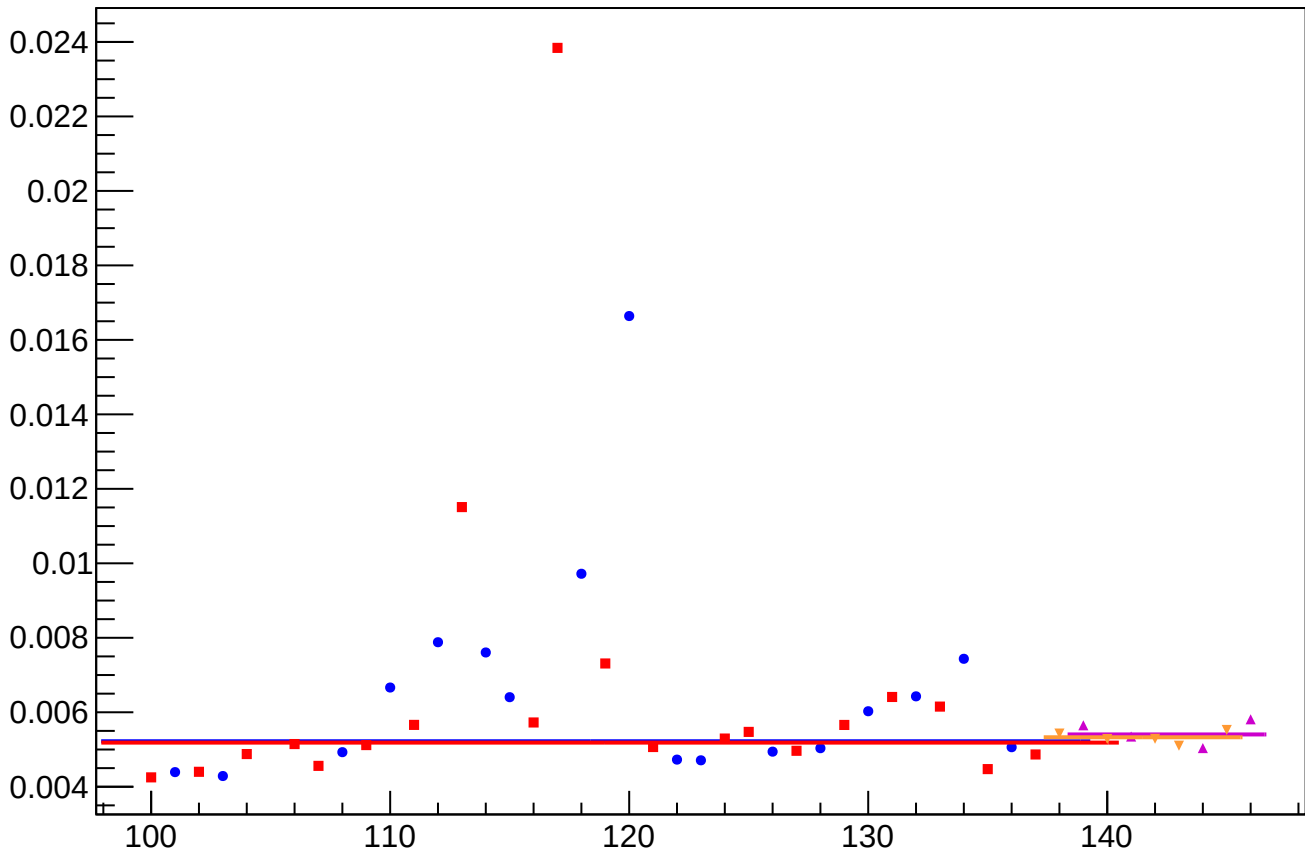
Left In: -0.574+/-0.000 χ^2/NDF : 878833244.6/3

-0.748+/-0.000 χ^2/NDF : 16785321652.1/21

-0.743+/-0.000 χ^2/NDF : 38431888256.7/4

-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 : 4539.1/4

Right Out: 0.005+/-0.000 χ^2/NDF : 410640.5/19

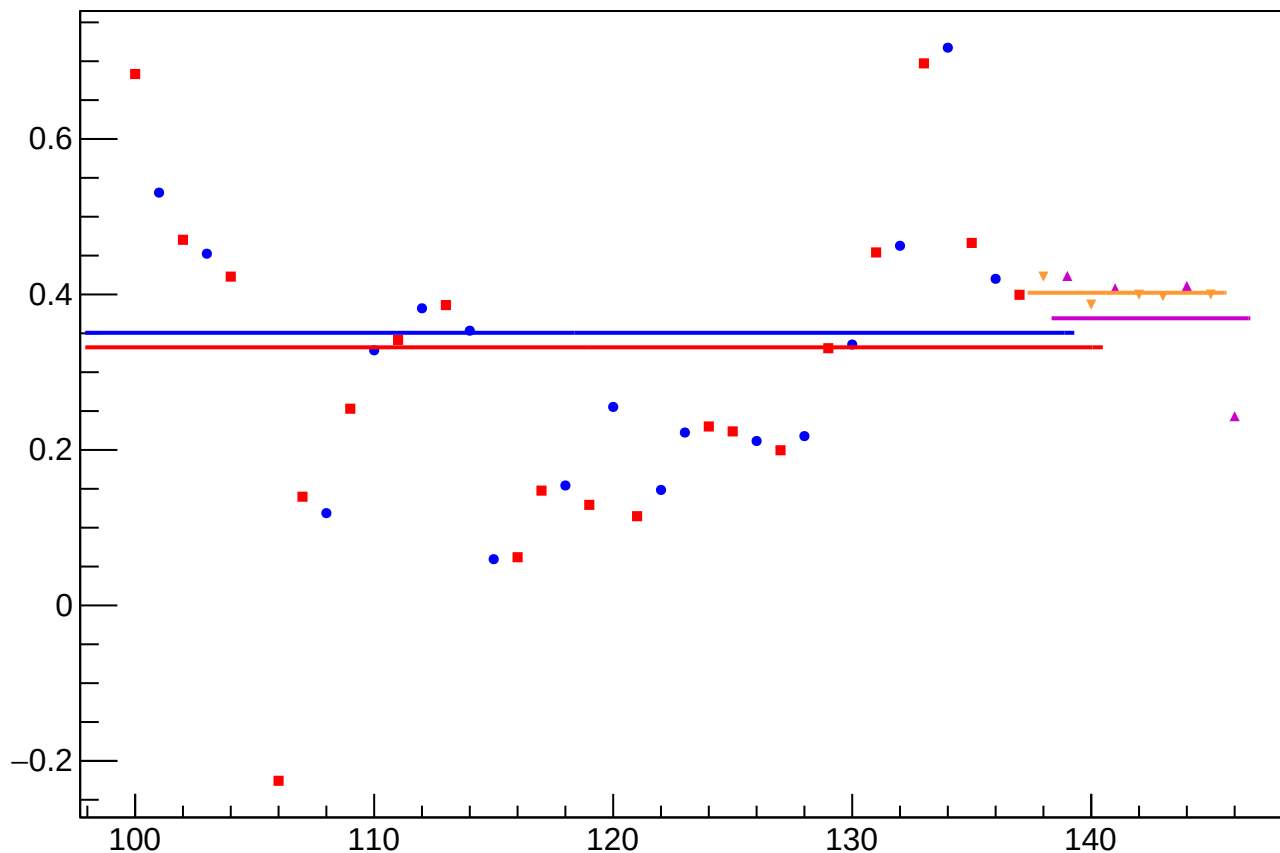
Left In: 0.005+/-0.000 χ^2/NDF : 18090.3/3

0.005+/-0.000 χ^2/NDF : 670509.0/21

0.005+/-0.000 χ^2/NDF : 1105923.0/45

0.005+/-0.000 χ^2/NDF : 435405.6/23

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.351 $\pm$ 0.000 χ^2 /NDF: 7410859446.3/16

Left Out: 0.402 $\pm$ 0.000 χ^2 /NDF:32139046.2/4

Right Out: 0.332 $\pm$ 0.000 χ^2 /NDF: 11800695210.2/19

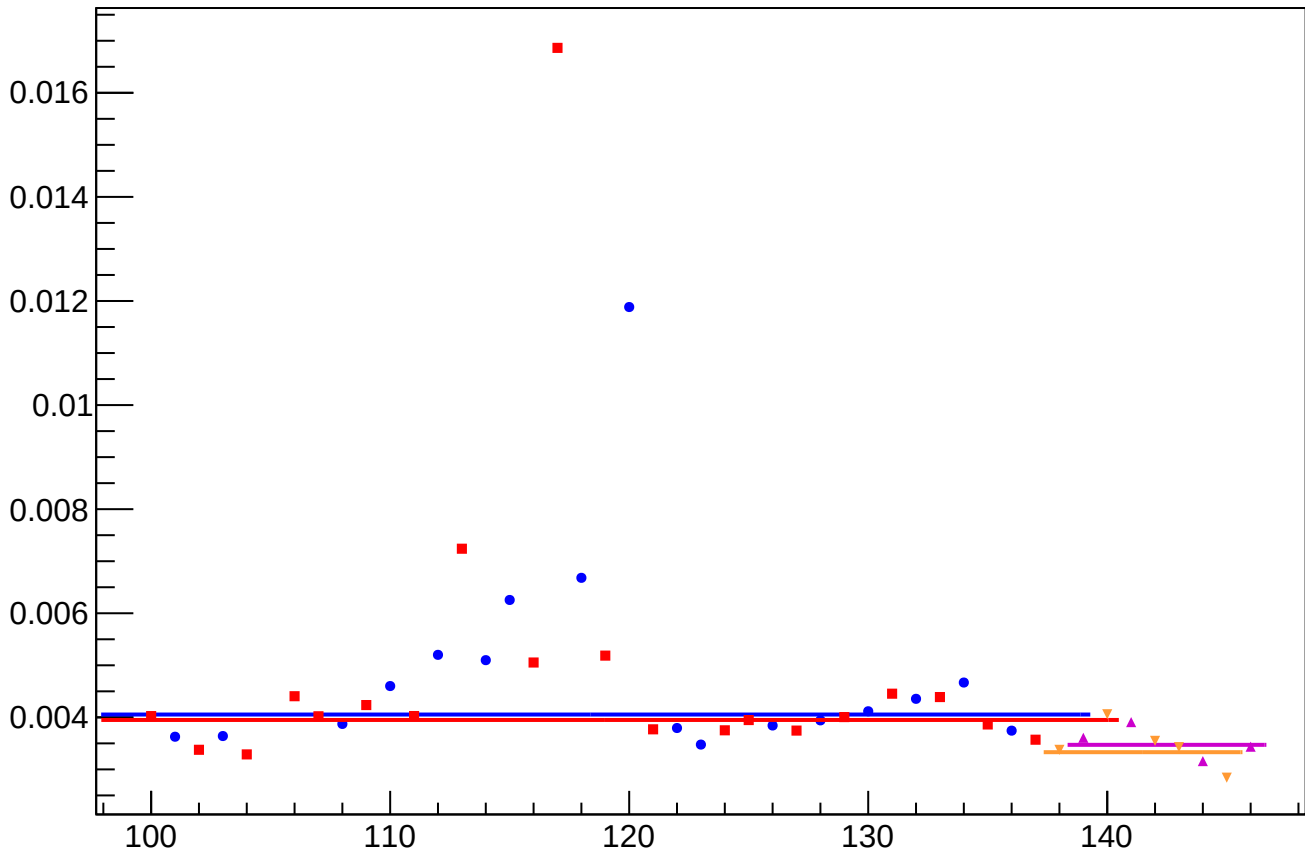
Left In: 0.369 $\pm$ 0.000 χ^2 /NDF:1223628691.1/3

0.372 $\pm$ 0.000 χ^2 /NDF: 7820955708.2/21

0.358 $\pm$ 0.000 χ^2 /NDF: 21252285581.0/4

0.345 $\pm$ 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 : 85148.0/4

Right Out: 0.004+/-0.000 χ^2/NDF : 304954.7/19

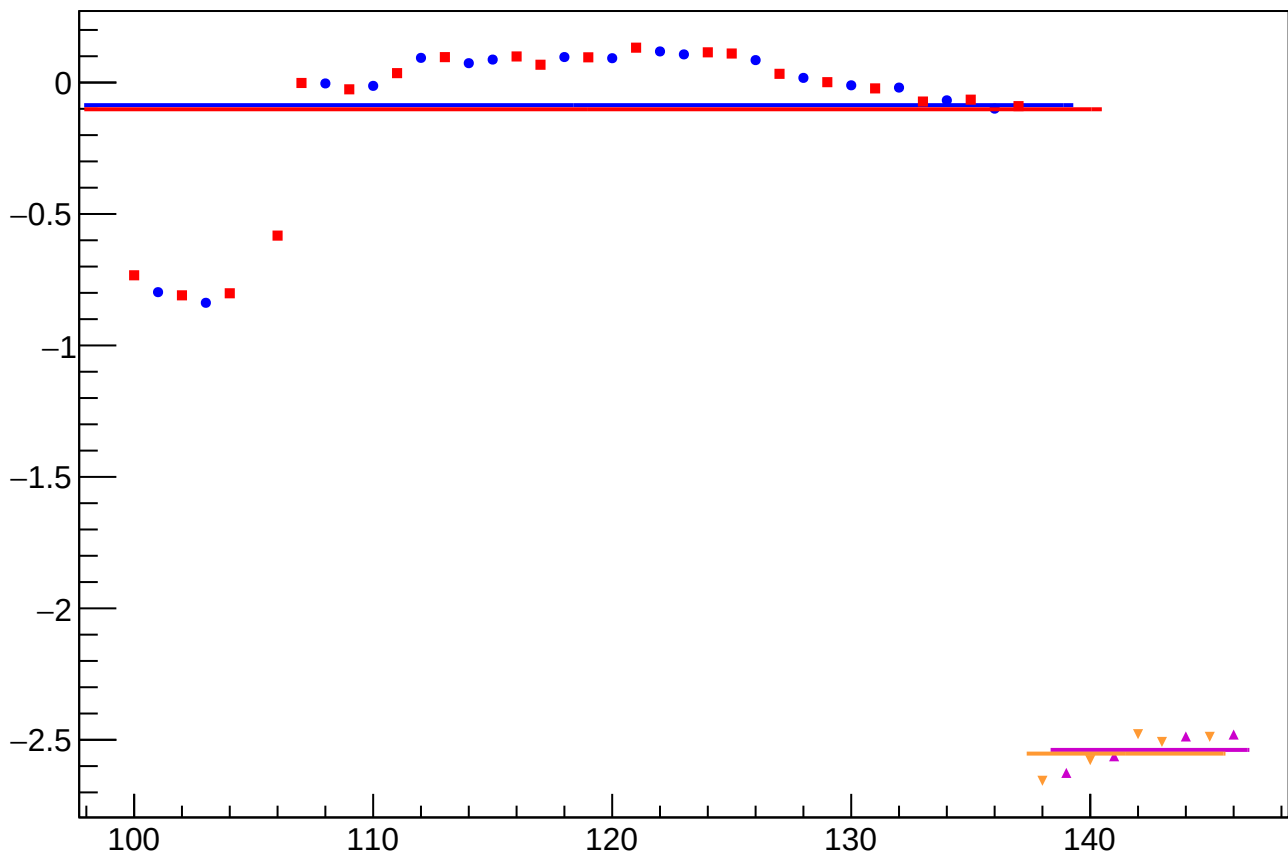
Left In: 0.003+/-0.000 χ^2/NDF : 33955.0/3

0.004+/-0.000 χ^2/NDF : 689786.7/21

0.004+/-0.000 χ^2/NDF : 1093405.7/45

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: -2.552+/-0.000 χ^2/NDF : 82762737.4/4

Right Out: -0.102+/-0.000 χ^2/NDF : 5566142794.2/19

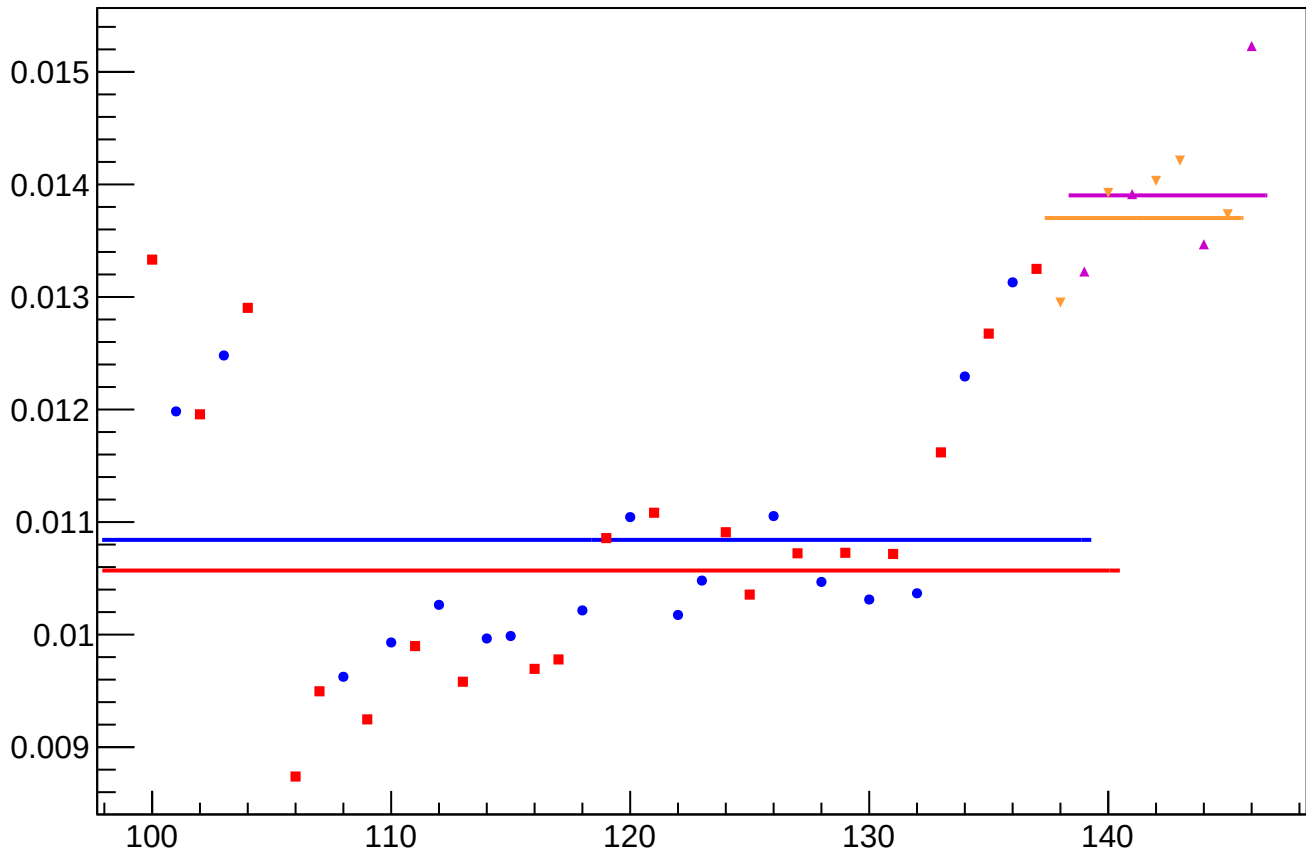
Left In: -2.538+/-0.000 χ^2/NDF : 56344158.4/3

-0.670+/-0.000 χ^2/NDF : 86462181702.1/21

-0.636+/-0.000 χ^2/NDF : 169537082843.7

-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 : 7281.7/4

Right Out: 0.011+/-0.000 χ^2/NDF : 179537.7/19

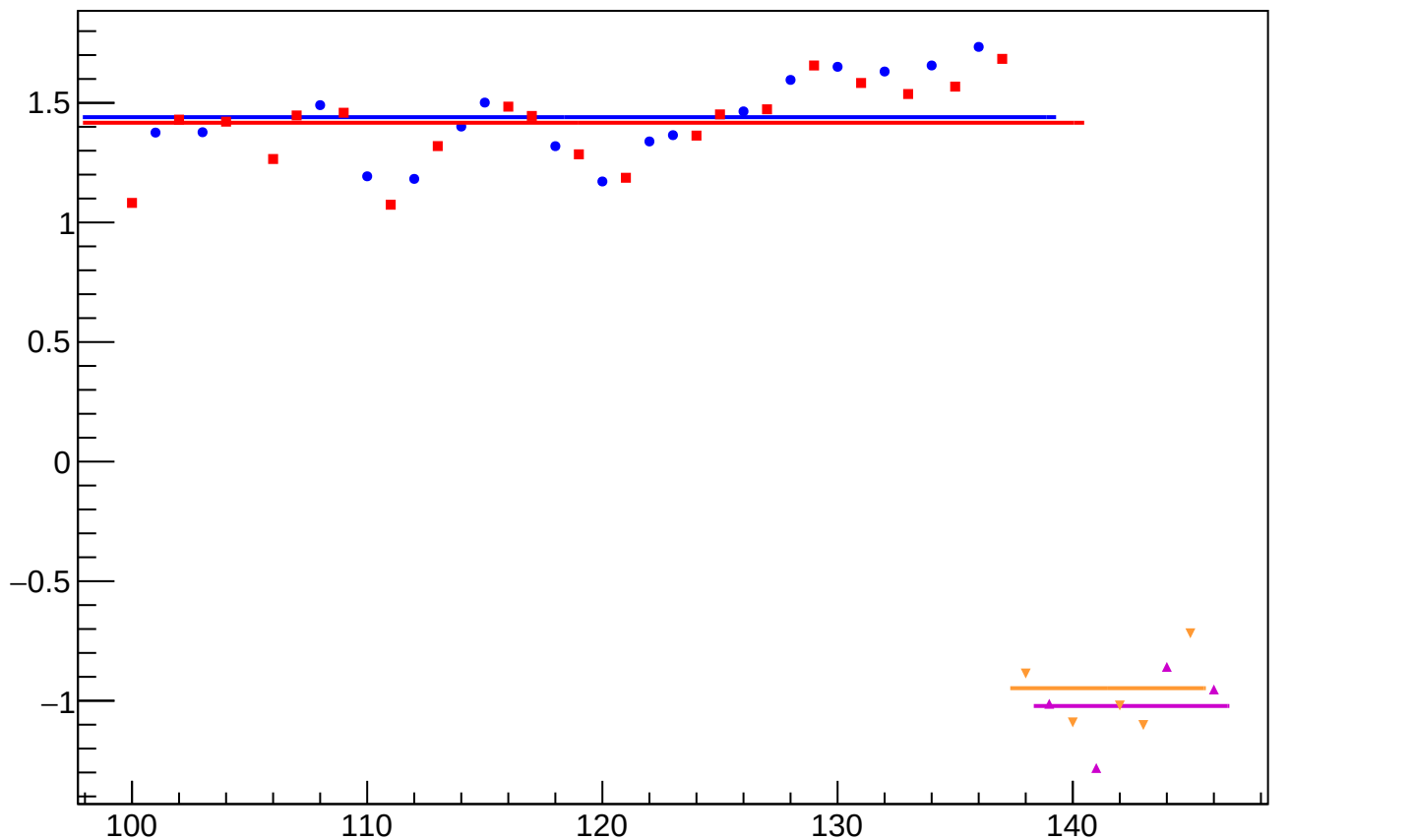
Left In: 0.014+/-0.000 χ^2/NDF : 17565.0/3

0.012+/-0.000 χ^2/NDF : 350448.3/21

0.011+/-0.000 χ^2/NDF : 842090.1/45

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: -0.947 ± 0.000 χ^2/NDF : 685395977.1/4

Right Out: 1.417 ± 0.000 χ^2/NDF : 2674679406.4/19

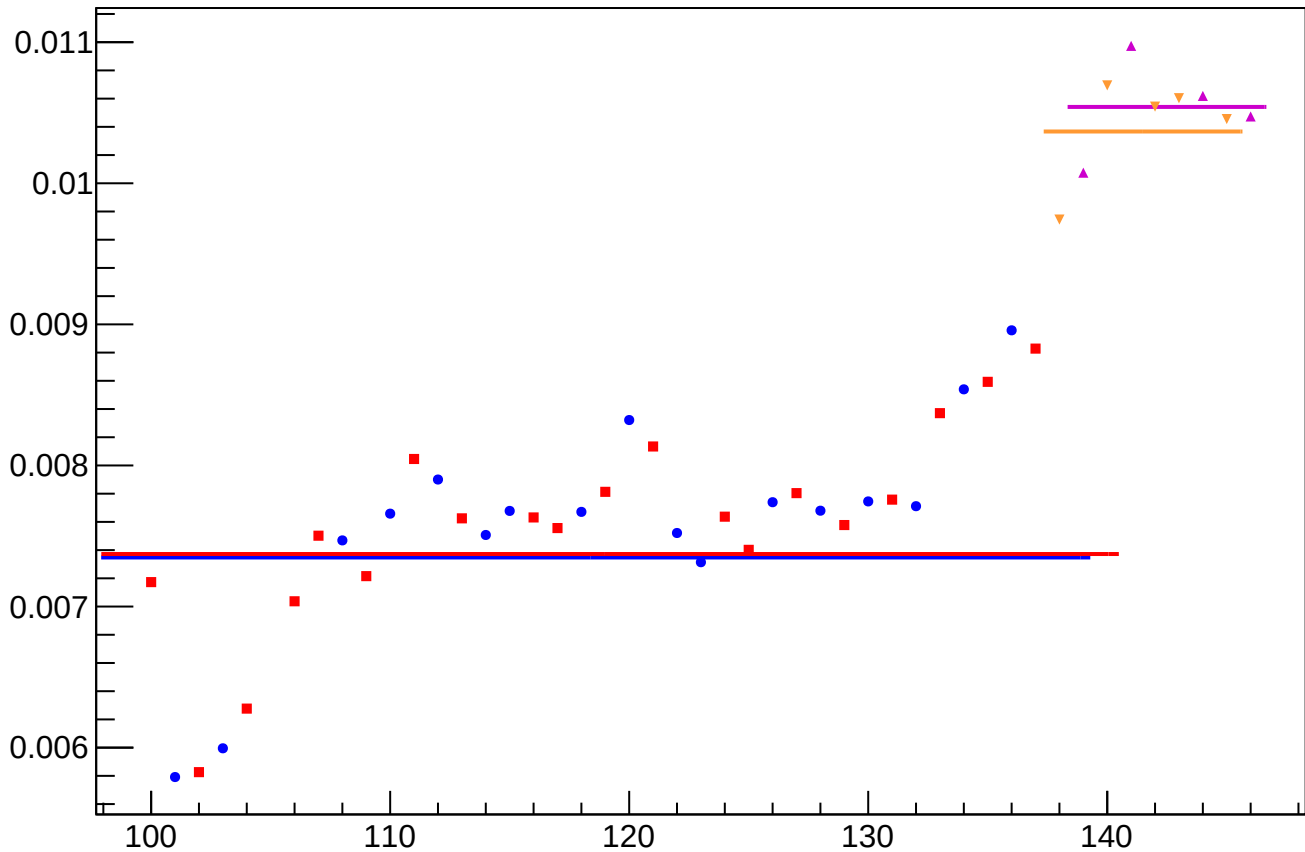
Left In: -1.022 ± 0.000 χ^2/NDF : 708469412.8/3

0.959 ± 0.000 χ^2/NDF : 144291536170.9/21

0.968 ± 0.000 χ^2/NDF : 287188031509.6/21

0.977 ± 0.000 χ^2/NDF : 142873302118.7/23

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 228163.6/16

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 8423.8/4

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 172741.0/19

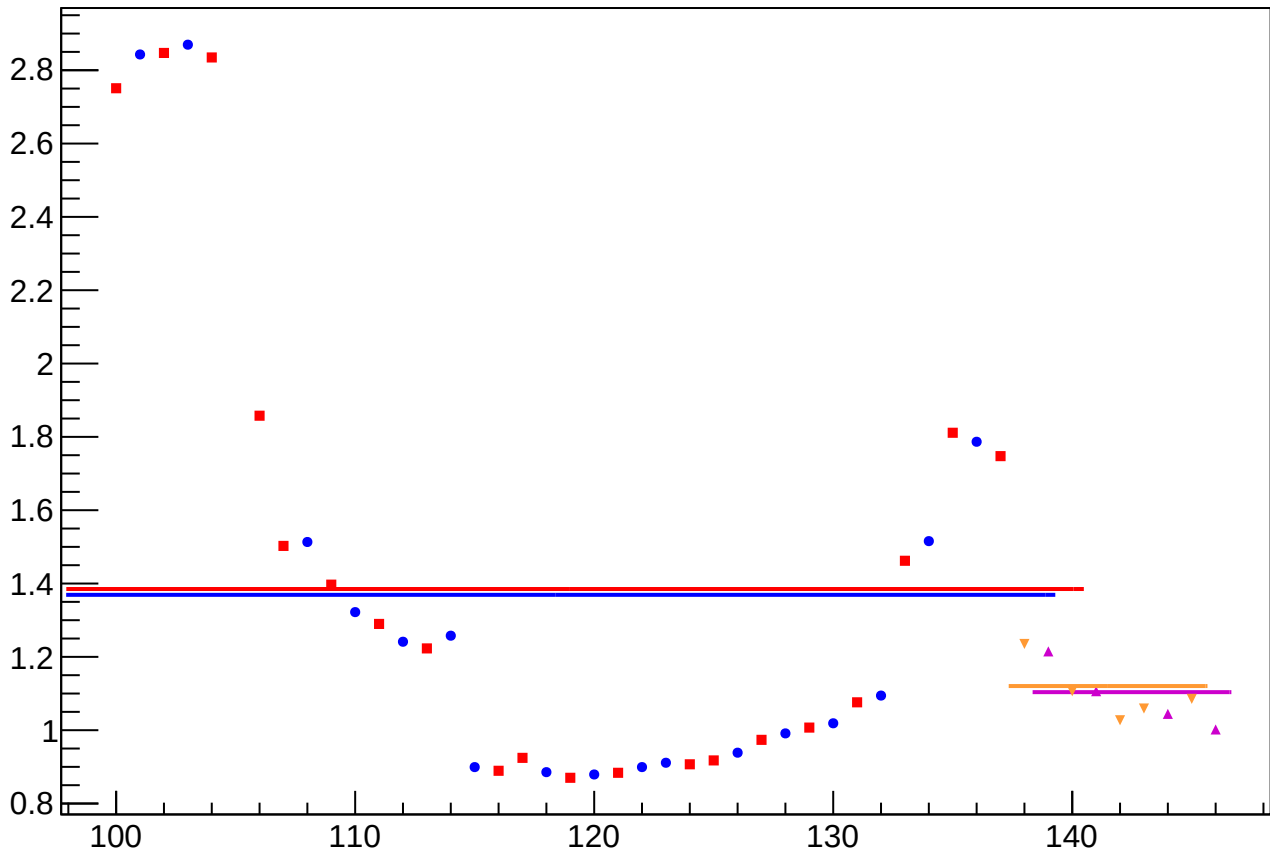
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 5683.3/3

0.008 $\pm$ 0.000 χ^2/NDF : 684791.9/21

0.008 $\pm$ 0.000 χ^2/NDF : 1334281.8/45

0.008 $\pm$ 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: 1.120 +/- 0.000 χ^2/NDF : 267262795.6/4

Right Out: 1.385 +/- 0.000 χ^2/NDF : 50114562617.6/19

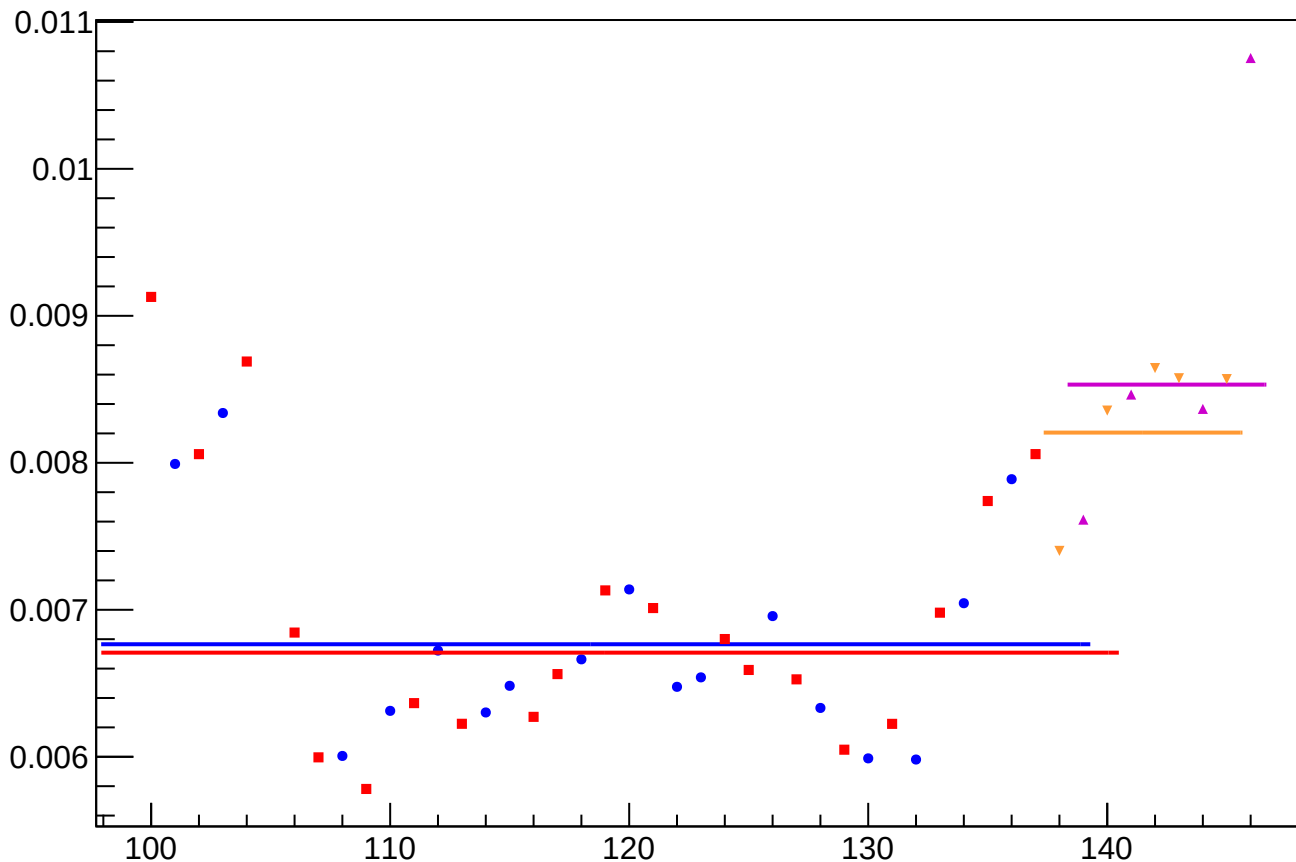
Left In: 1.104 +/- 0.000 χ^2/NDF : 249024320.1/3

1.307 +/- 0.000 χ^2/NDF : 56693854064.6/21

1.317 +/- 0.000 χ^2/NDF : 109680772792.0/21

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: 0.008 $\pm$ 0.000 χ^2/NDF : 24502.3/4

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 187869.7/19

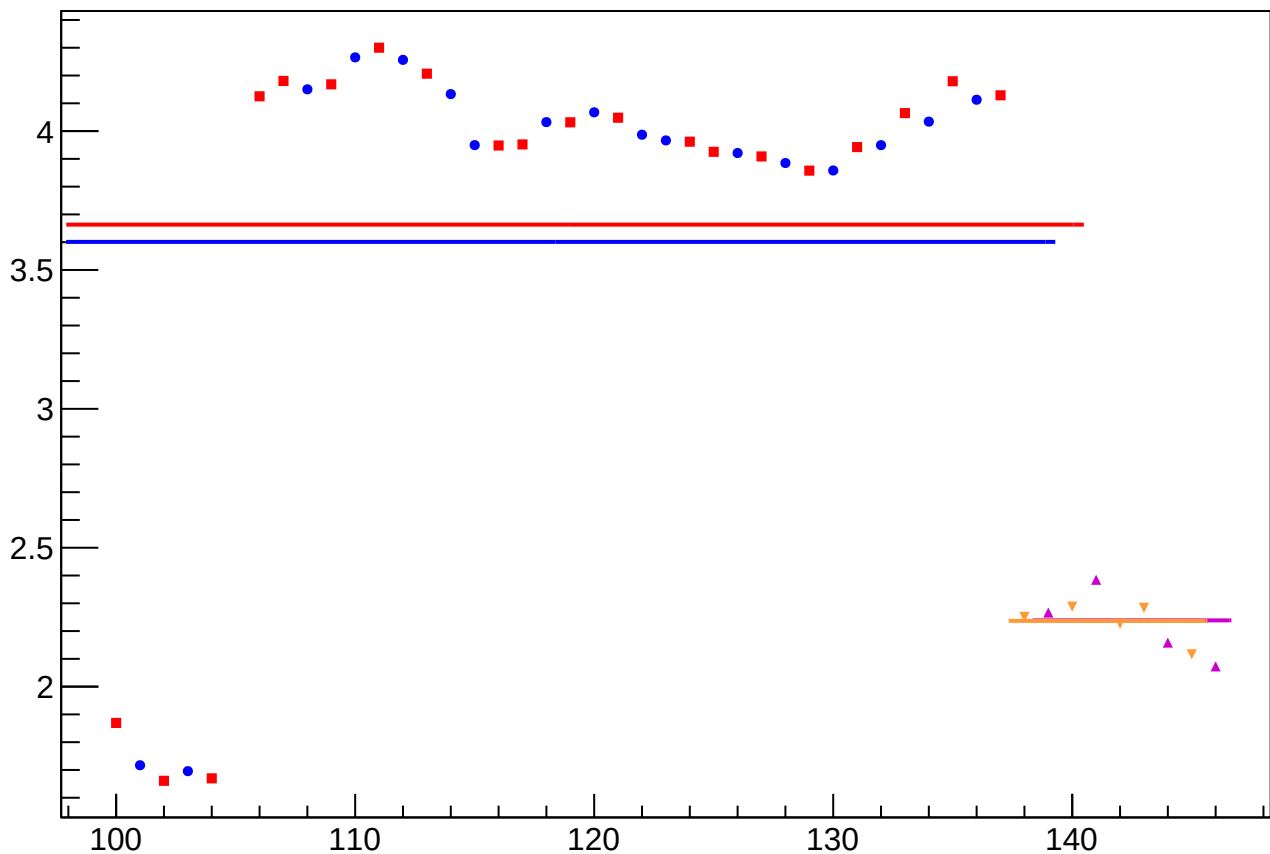
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 80335.9/3

0.007 $\pm$ 0.000 χ^2/NDF : 332873.5/21

0.007 $\pm$ 0.000 χ^2/NDF : 818887.6/45

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: 2.237 $\pm$ 0.000 χ^2/NDF : 232885159.8/4

Right Out: 3.663 $\pm$ 0.000 χ^2/NDF : 192640409625.9/19

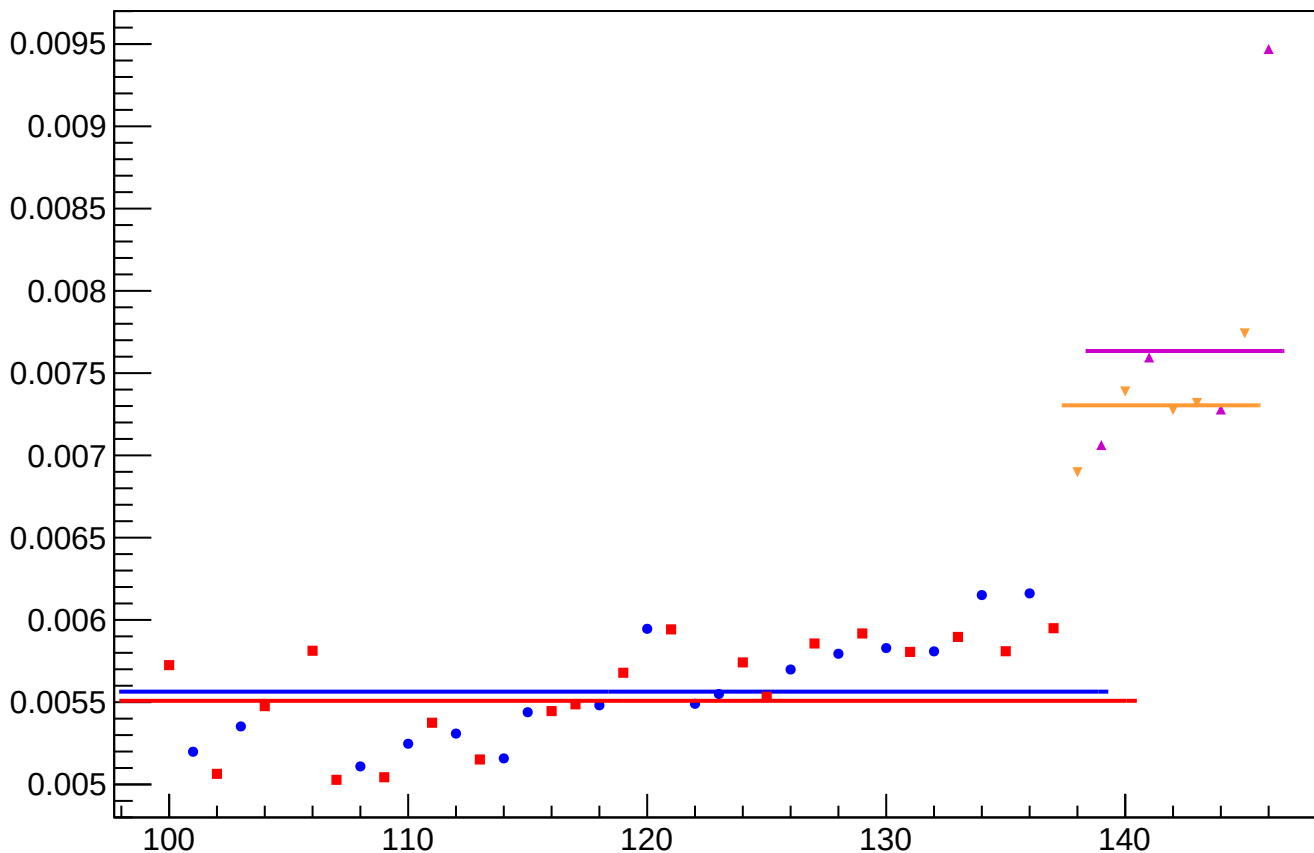
Left In: 2.239 $\pm$ 0.000 χ^2/NDF : 630803161.7/3

3.304 $\pm$ 0.000 χ^2/NDF : 273653757149.6/21

3.354 $\pm$ 0.000 χ^2/NDF : 553668749248.8/

3.404 $\pm$ 0.000 χ^2/NDF : 278624999532.0/23

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 47588.2/16

Left Out: 0.007+/-0.000 χ^2/NDF : 9655.7/4

Right Out: 0.006+/-0.000 χ^2/NDF : 52636.1/19

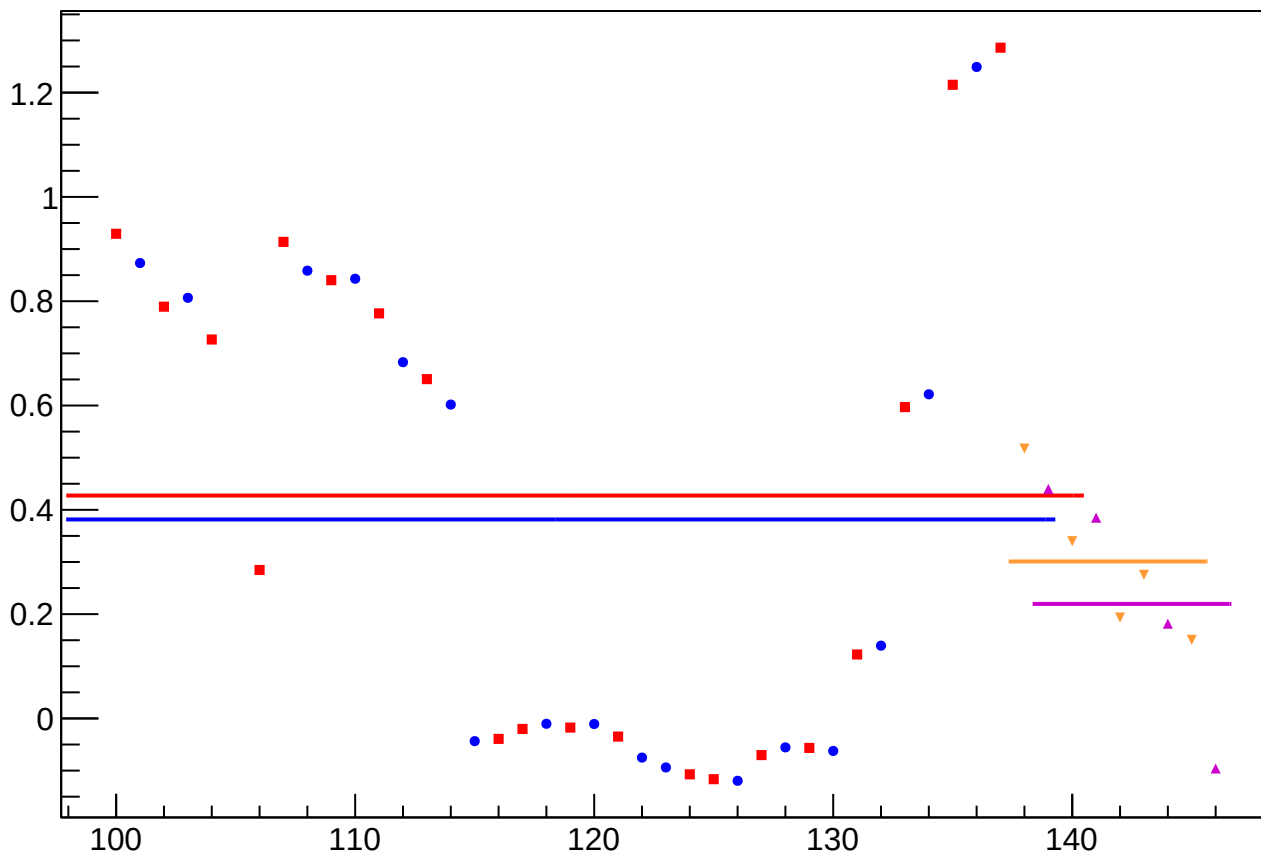
Left In: 0.008+/-0.000 χ^2/NDF : 63920.0/3

0.006+/-0.000 χ^2/NDF : 342372.0/21

0.006+/-0.000 χ^2/NDF : 839729.1/45

0.006+/-0.000 χ^2/NDF : 496727.5/23

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.382+/-0.000 χ^2/NDF : 7124759123.1/16

Left Out: 0.301+/-0.000 χ^2/NDF : 237703957.0/4

Right Out: 0.427+/-0.000 χ^2/NDF : 6716521382.4/19

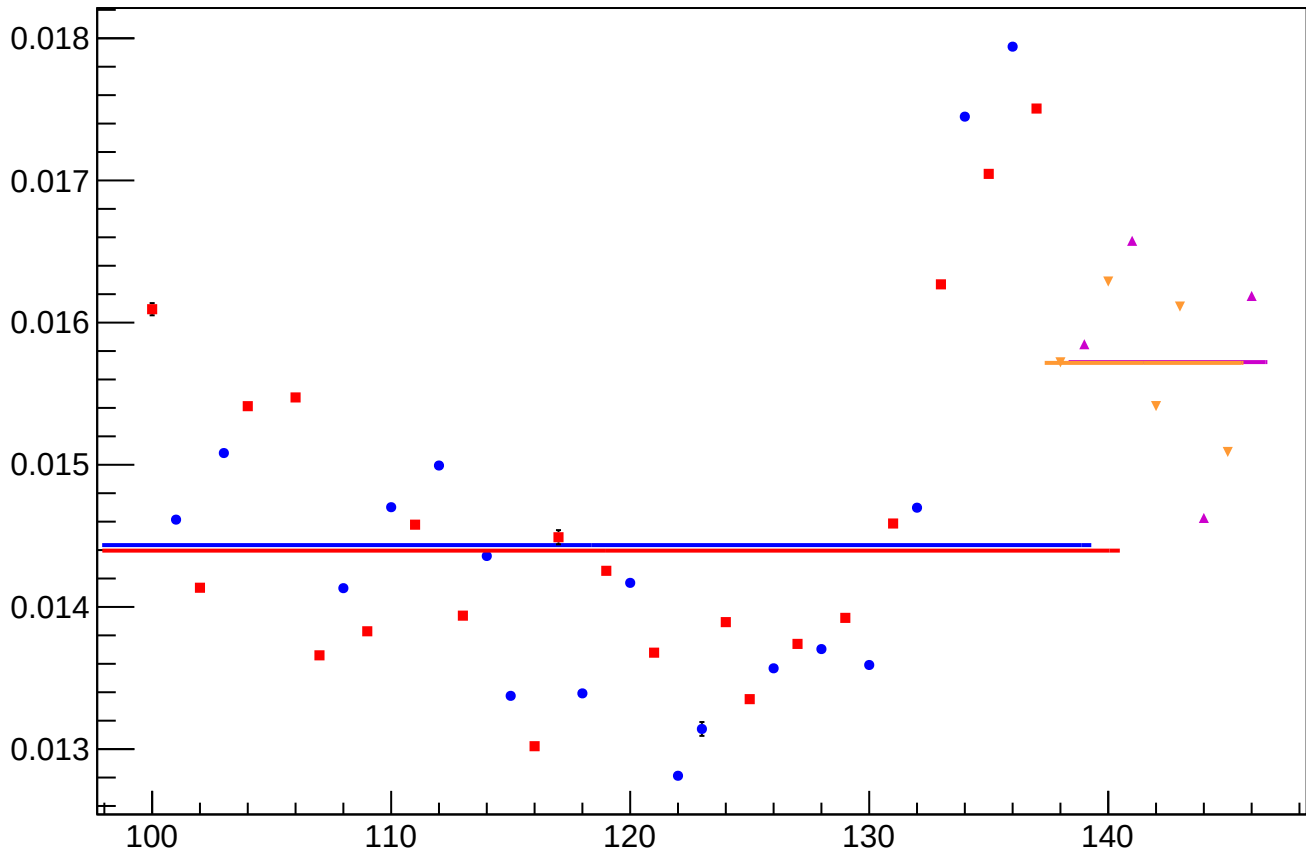
Left In: 0.220+/-0.000 χ^2/NDF : 519955613.9/3

0.358+/-0.000 χ^2/NDF : 7423167079.8/21

0.364+/-0.000 χ^2/NDF : 15062463162.2/4

0.370+/-0.000 χ^2/NDF : 7635674621.8/23

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 110224.4/16

Left Out: 0.016+/-0.000 χ^2/NDF : 5580.0/4

Right Out: 0.014+/-0.000 χ^2/NDF : 74535.1/19

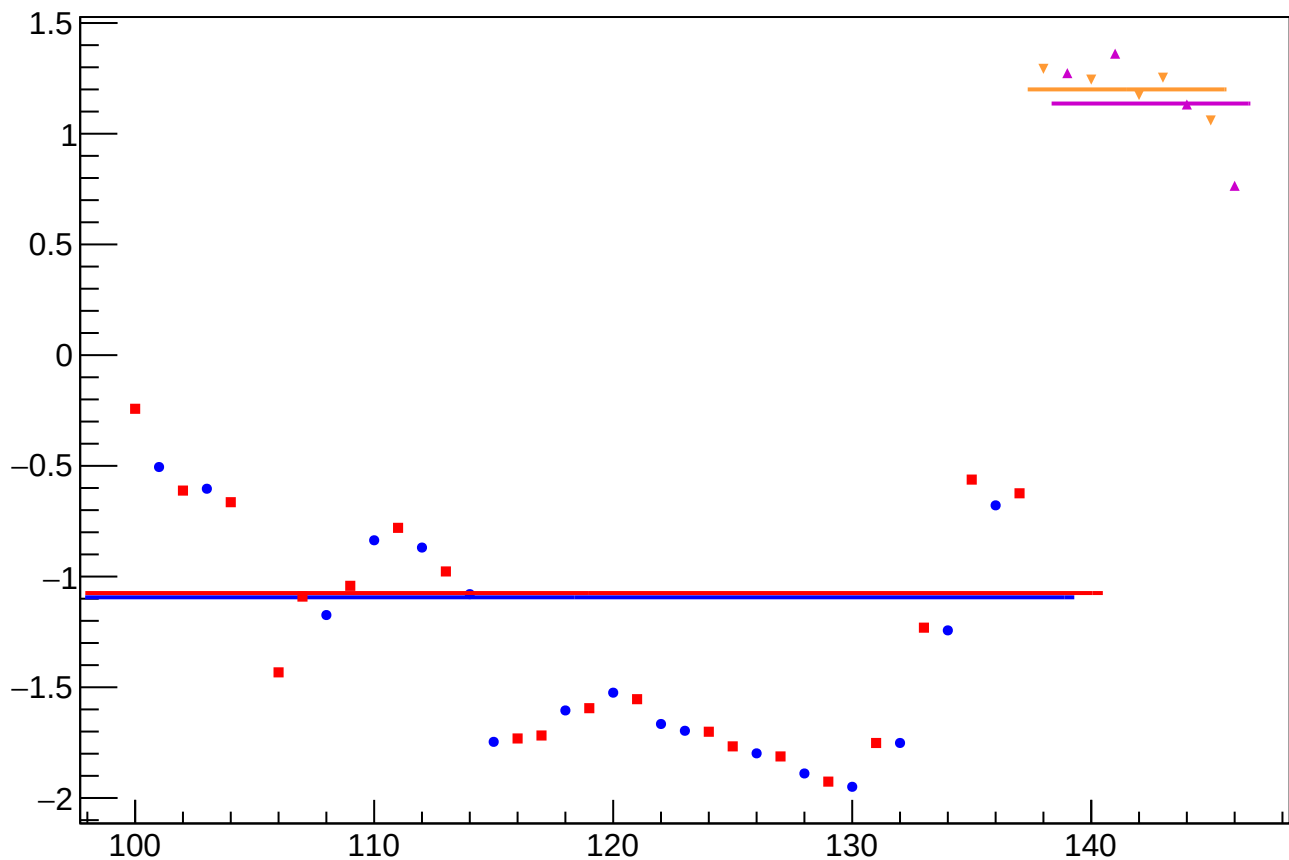
Left In: 0.016+/-0.000 χ^2/NDF : 15379.9/3

0.015+/-0.000 χ^2/NDF : 146531.9/21

0.015+/-0.000 χ^2/NDF : 269076.3/45

0.015+/-0.000 χ^2/NDF : 122419.3/23

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.094 ± 0.000 $\chi^2/\text{NDF}: 55960104370.4/16$

Left Out: 1.200 ± 0.000 $\chi^2/\text{NDF}: 1681624044.8/4$

Right Out: -1.074 ± 0.000 $\chi^2/\text{NDF}: 47208439320.8/19$

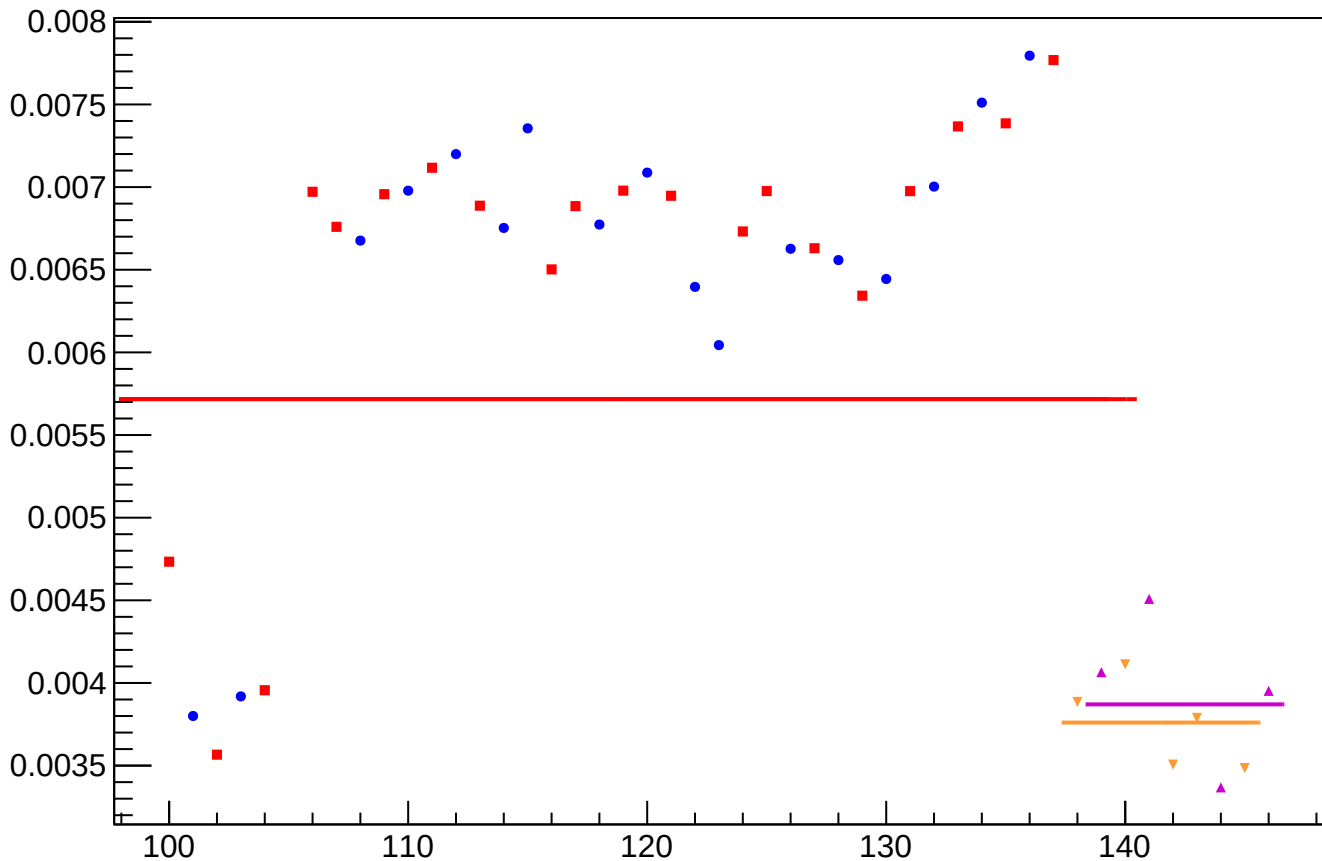
Left In: 1.136 ± 0.000 $\chi^2/\text{NDF}: 7884663691.9/3$

0.153 ± 0.000 $\chi^2/\text{NDF}: 577094710119.5/21$

0.090 ± 0.000 $\chi^2/\text{NDF}: 1095302303908.0$

0.022 ± 0.000 $\chi^2/\text{NDF}: 514914325647.7/23$

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: 25007.5/4

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 925957.4/19

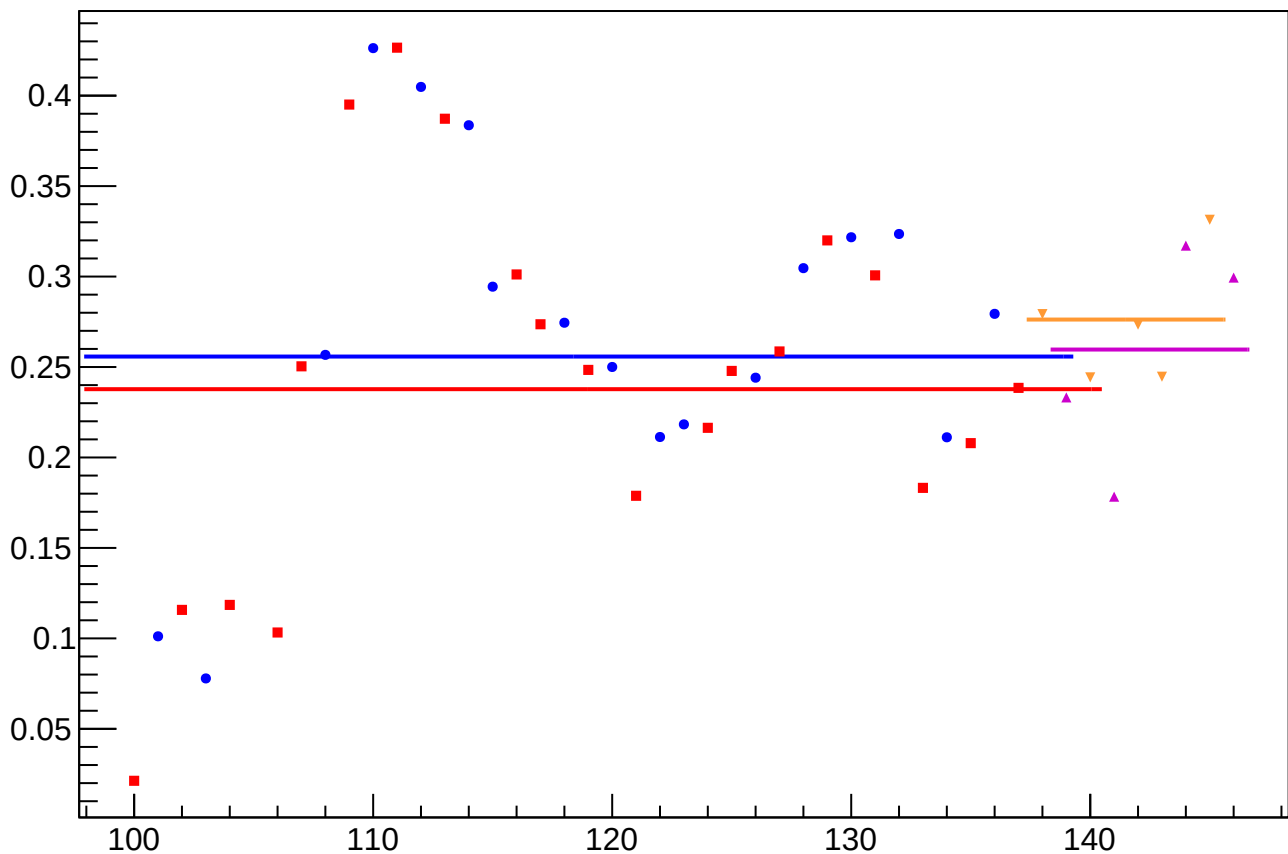
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF: 71114.3/3

0.005 $\pm$ 0.000 χ^2 /NDF: 1619019.3/21

0.005 $\pm$ 0.000 χ^2 /NDF: 3266103.4/45

0.005 $\pm$ 0.000 χ^2 /NDF: 1638727.5/23

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.256+/-0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.276+/-0.000 χ^2/NDF : 1425319144.8/4

Right Out: 0.238+/-0.000 χ^2/NDF : 26077768189.7/19

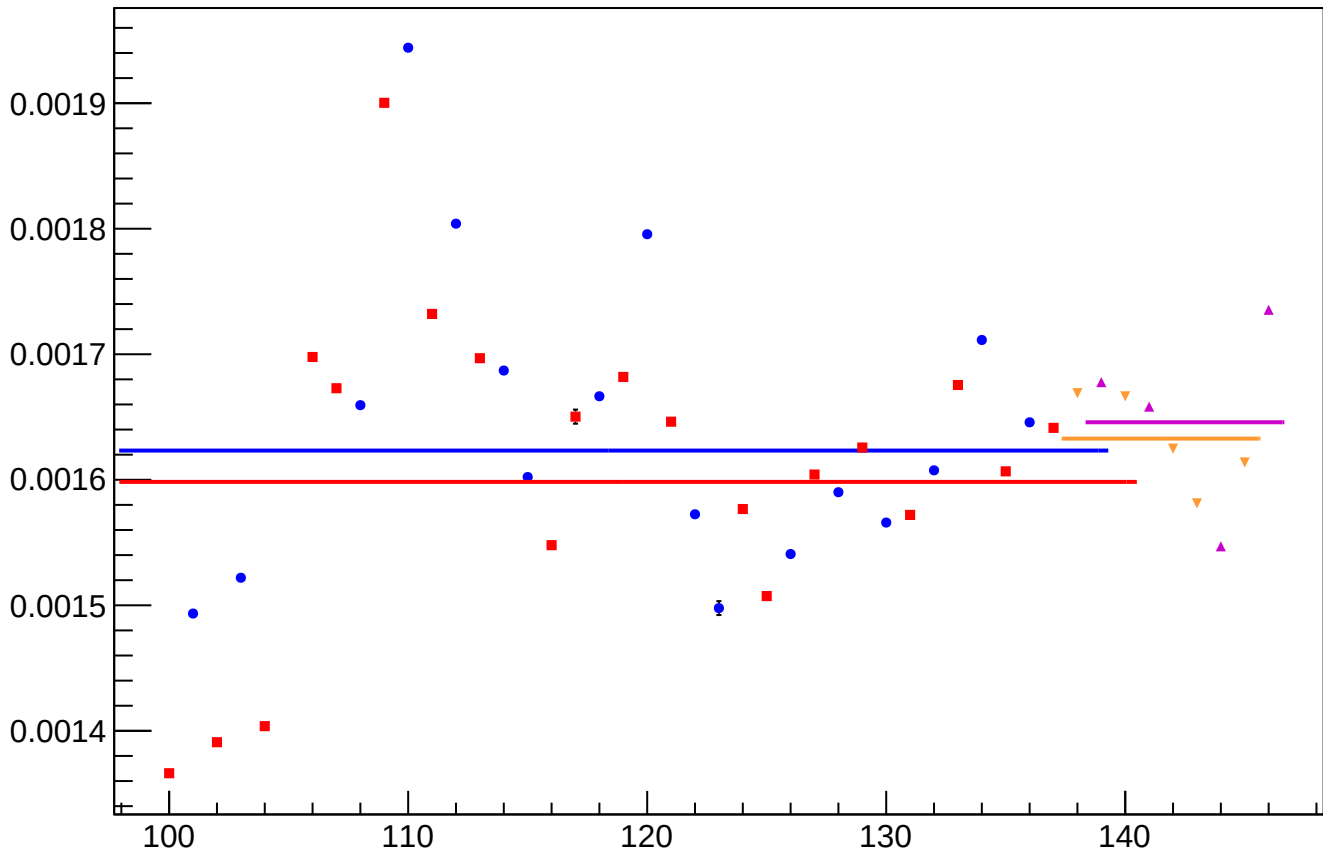
Left In: 0.260+/-0.000 χ^2/NDF : 3787221535.1/3

0.263+/-0.000 χ^2/NDF : 23134578752.0/21

0.253+/-0.000 χ^2/NDF : 54031692023.9/4

0.244+/-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 : 2820.8/4

Right Out: 0.002+/-0.000 χ^2/NDF : 90764.4/19

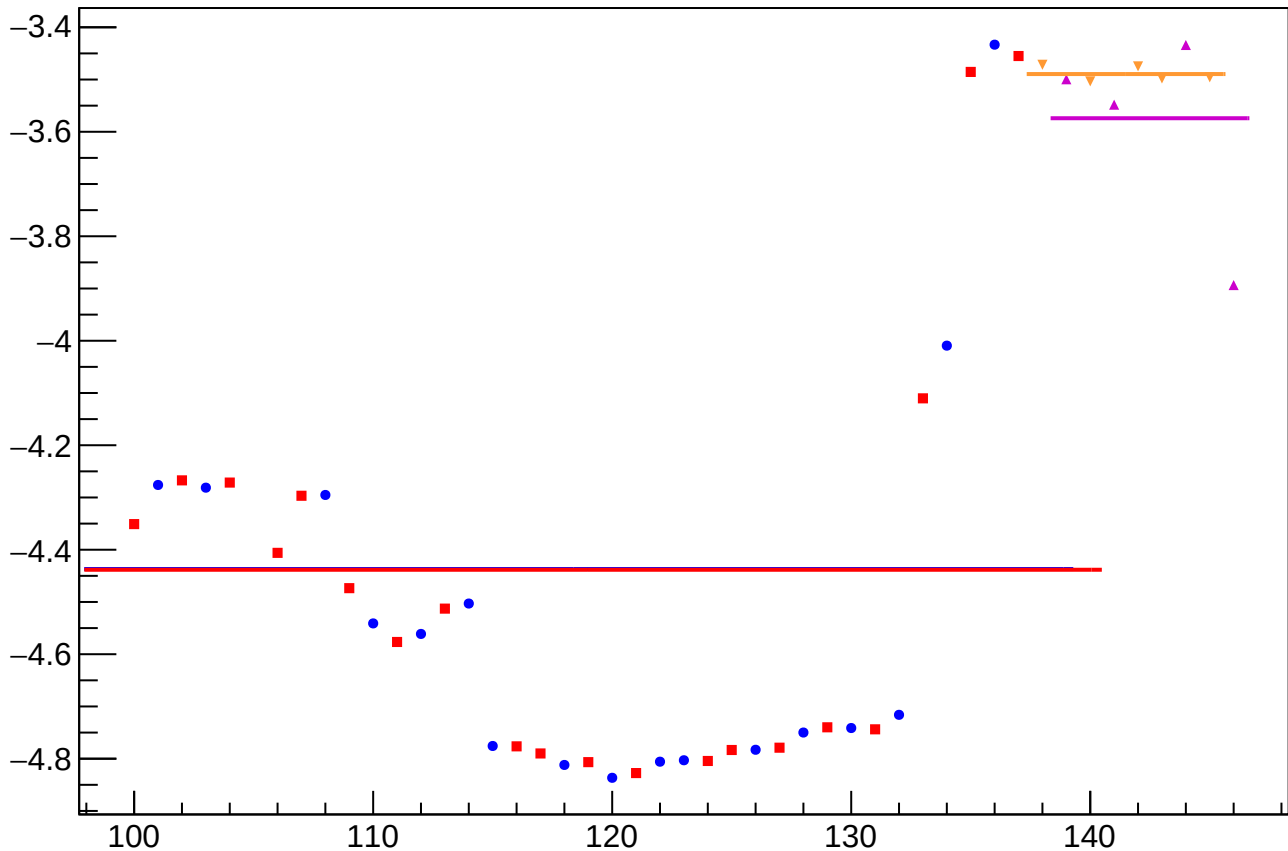
Left In: 0.002+/-0.000 χ^2/NDF : 11854.6/3

0.002+/-0.000 χ^2/NDF : 55438.9/21

0.002+/-0.000 χ^2/NDF : 162493.8/45

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: -3.490+/-0.000 χ^2/NDF : 160931847.4/4

-4.135+/-0.000 χ^2/NDF : 964613623073.7/21

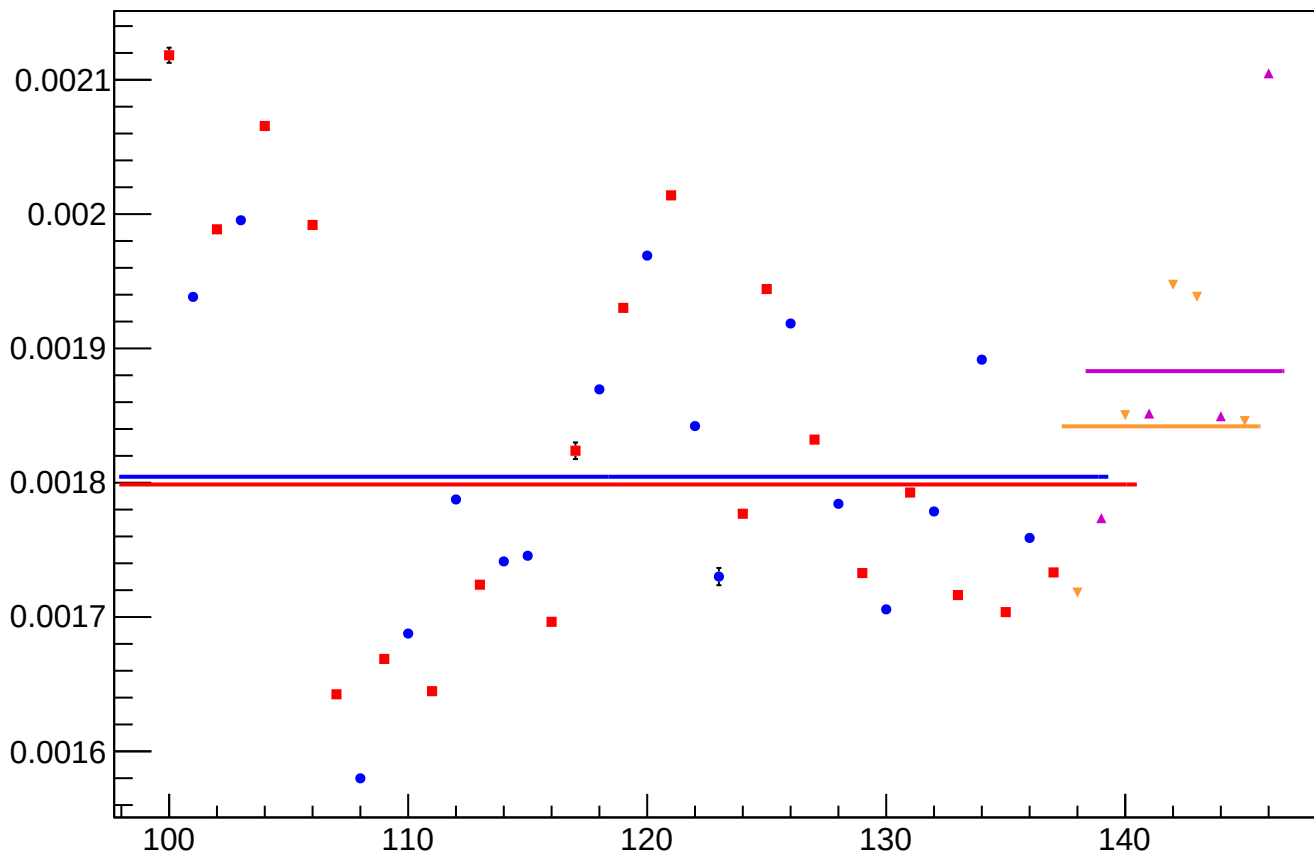
Right Out: -4.438+/-0.000 χ^2/NDF : 326800745779.7/19

-4.162+/-0.000 χ^2/NDF : 1782420904233.7/23

-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 :12458.3/4

Right Out: 0.002+/-0.000 χ^2/NDF : 81037.5/19

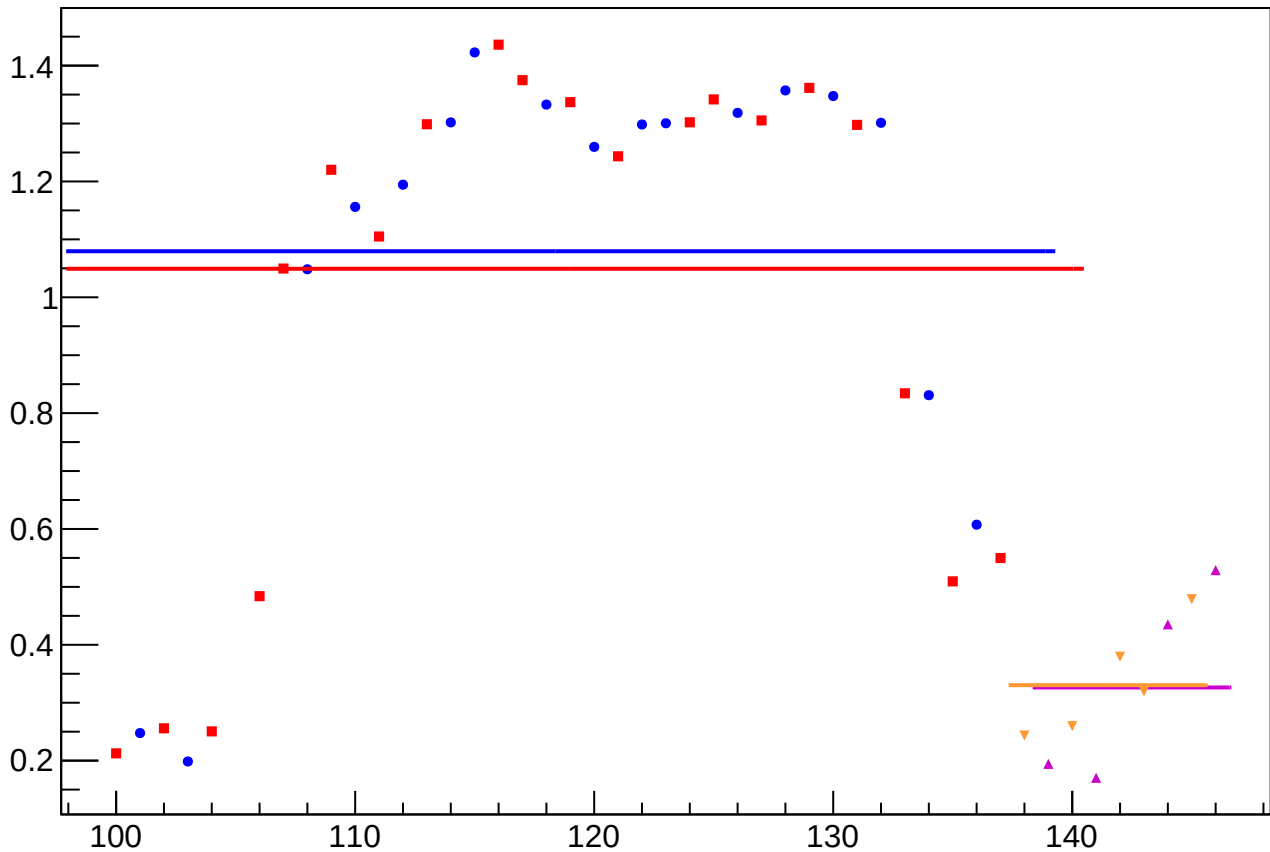
Left In: 0.002+/-0.000 χ^2/NDF :23389.0/3

0.002+/-0.000 χ^2/NDF : 63356.3/21

0.002+/-0.000 χ^2/NDF : 176749.6/45

0.002+/-0.000 χ^2/NDF : 113257.6/23

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 1.080+/-0.000 χ^2/NDF : 17533321220.5/16

Left Out: 0.330+/-0.000 χ^2/NDF : 278856258.3/4

Right Out: 1.049+/-0.000 χ^2/NDF : 19787986428.4/19

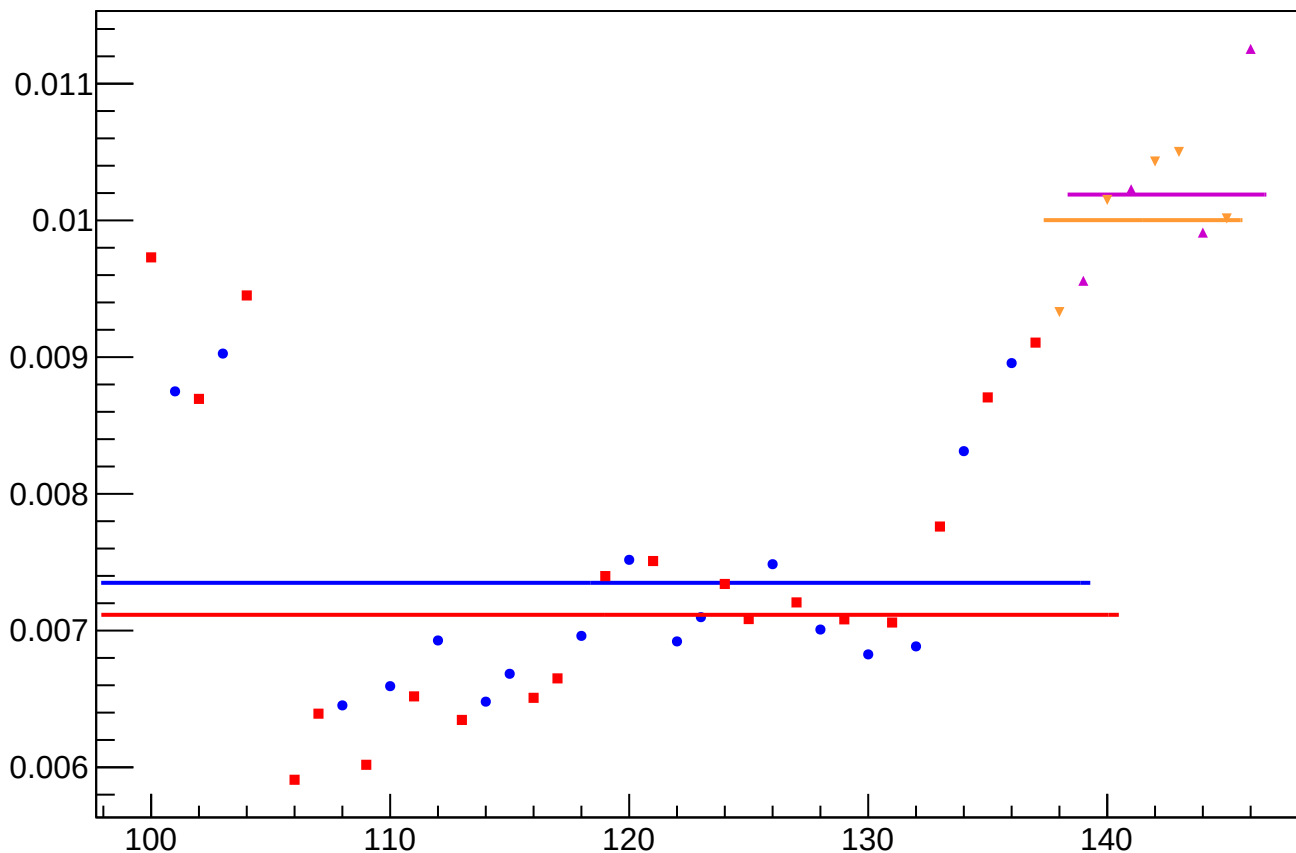
Left In: 0.326+/-0.000 χ^2/NDF : 688652778.3/3

0.921+/-0.000 χ^2/NDF : 32356007629.8/21

0.920+/-0.000 χ^2/NDF : 65895244232.5/4

0.919+/-0.000 χ^2/NDF : 33538954987.3/23

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 : 11968.7/4

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 259539.3/19

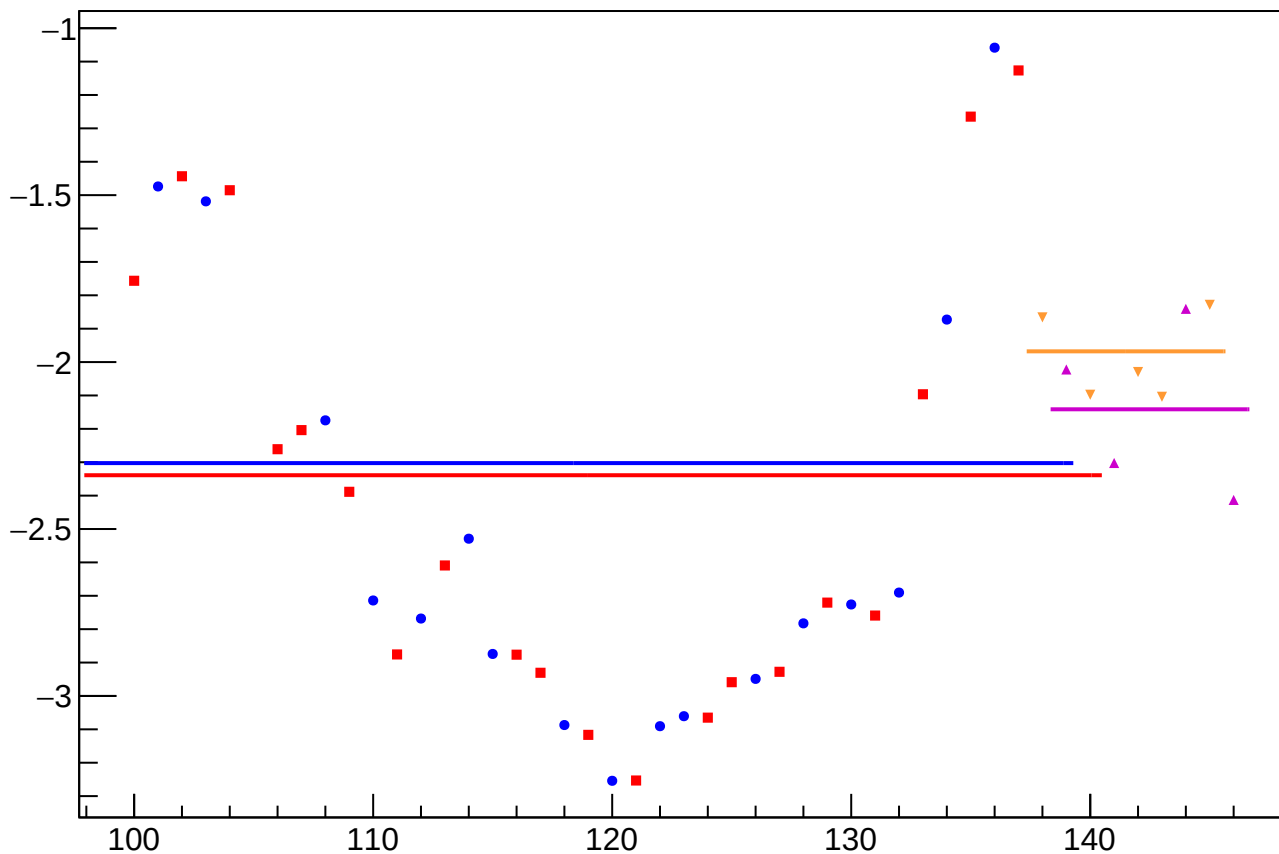
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 21700.1/3

0.008 $\pm$ 0.000 χ^2/NDF : 557433.9/21

0.008 $\pm$ 0.000 χ^2/NDF : 1320360.6/45

0.008 $\pm$ 0.000 χ^2/NDF : 753460.4/23

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.303 $\pm$ 0.000 χ^2/NDF : 73755914805.8/16

Left Out: -1.968 $\pm$ 0.000 χ^2/NDF : 585710891.9/4

Right Out: -2.339 $\pm$ 0.000 χ^2/NDF : 64804828308.5/19

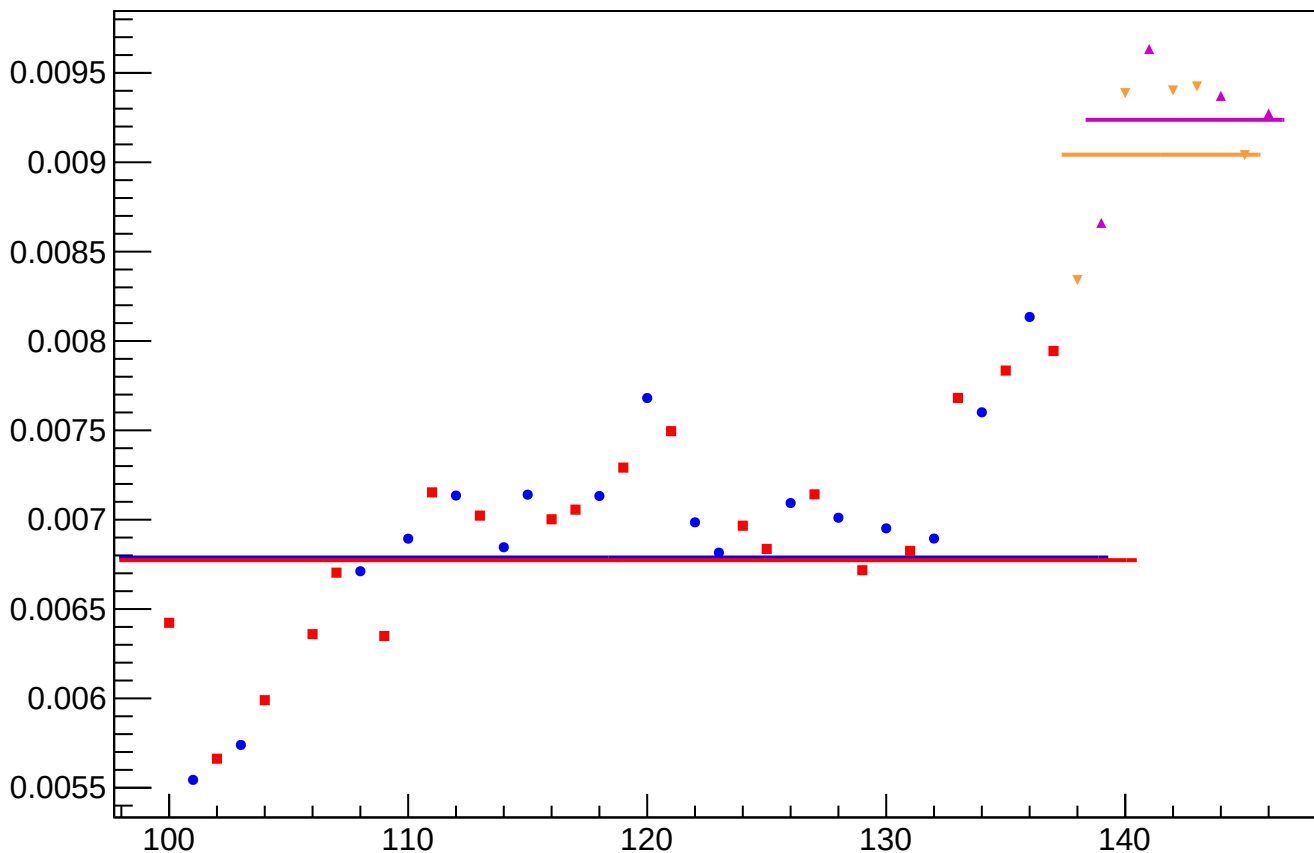
Left In: -2.141 $\pm$ 0.000 χ^2/NDF : 1941617532.1/3

-2.229 $\pm$ 0.000 χ^2/NDF : 77881115116.4/21

-2.266 $\pm$ 0.000 χ^2/NDF : 146279361187.1

-2.301 $\pm$ 0.000 χ^2/NDF : 67918813063.3/23

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 165199.2/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:15700.7/4

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 123383.6/19

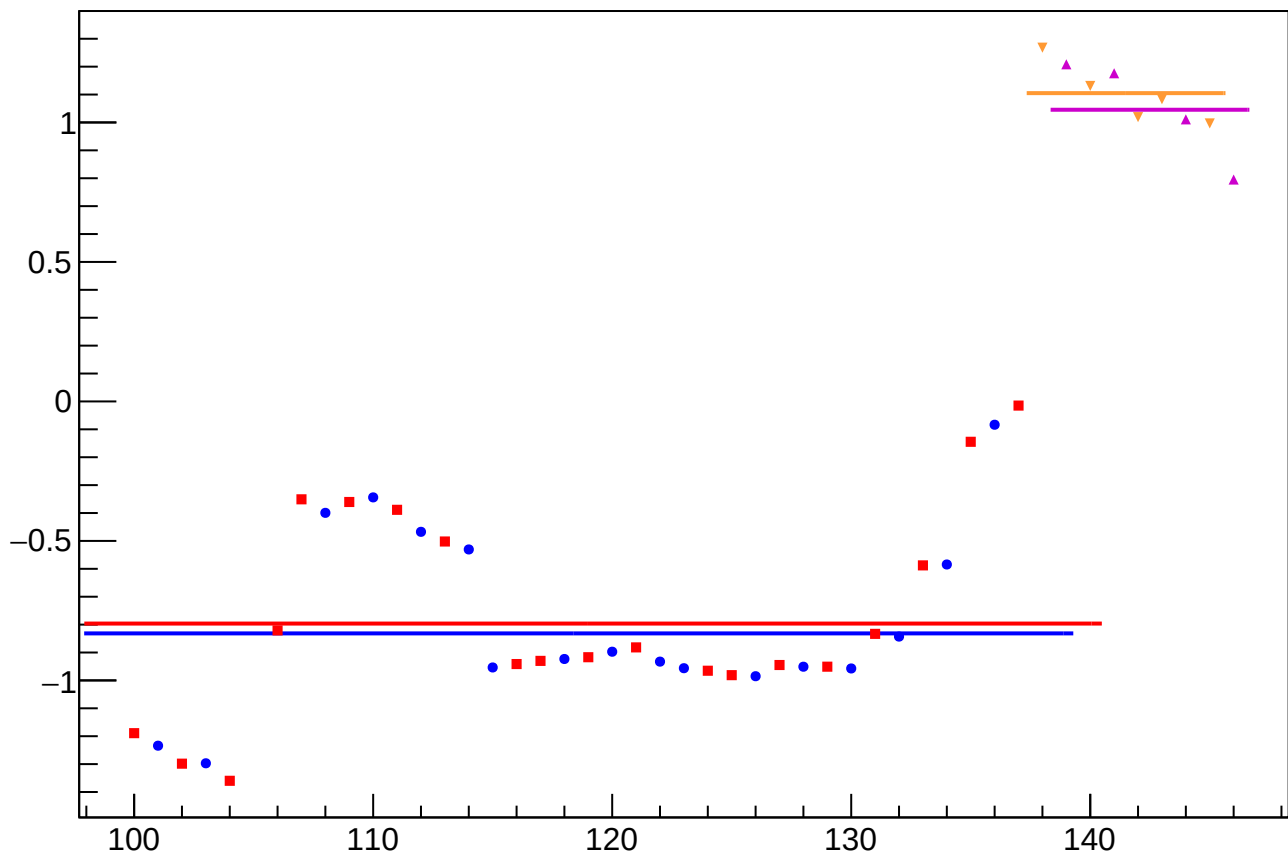
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:9247.2/3

0.007 $\pm$ 0.000 χ^2 /NDF: 501911.5/21

0.007 $\pm$ 0.000 χ^2 /NDF: 999840.9/45

0.007 $\pm$ 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: 1.105 ± 0.000 χ^2/NDF : 214240652.7/4

Right Out: -0.796 ± 0.000 χ^2/NDF : 7827622544.3/19

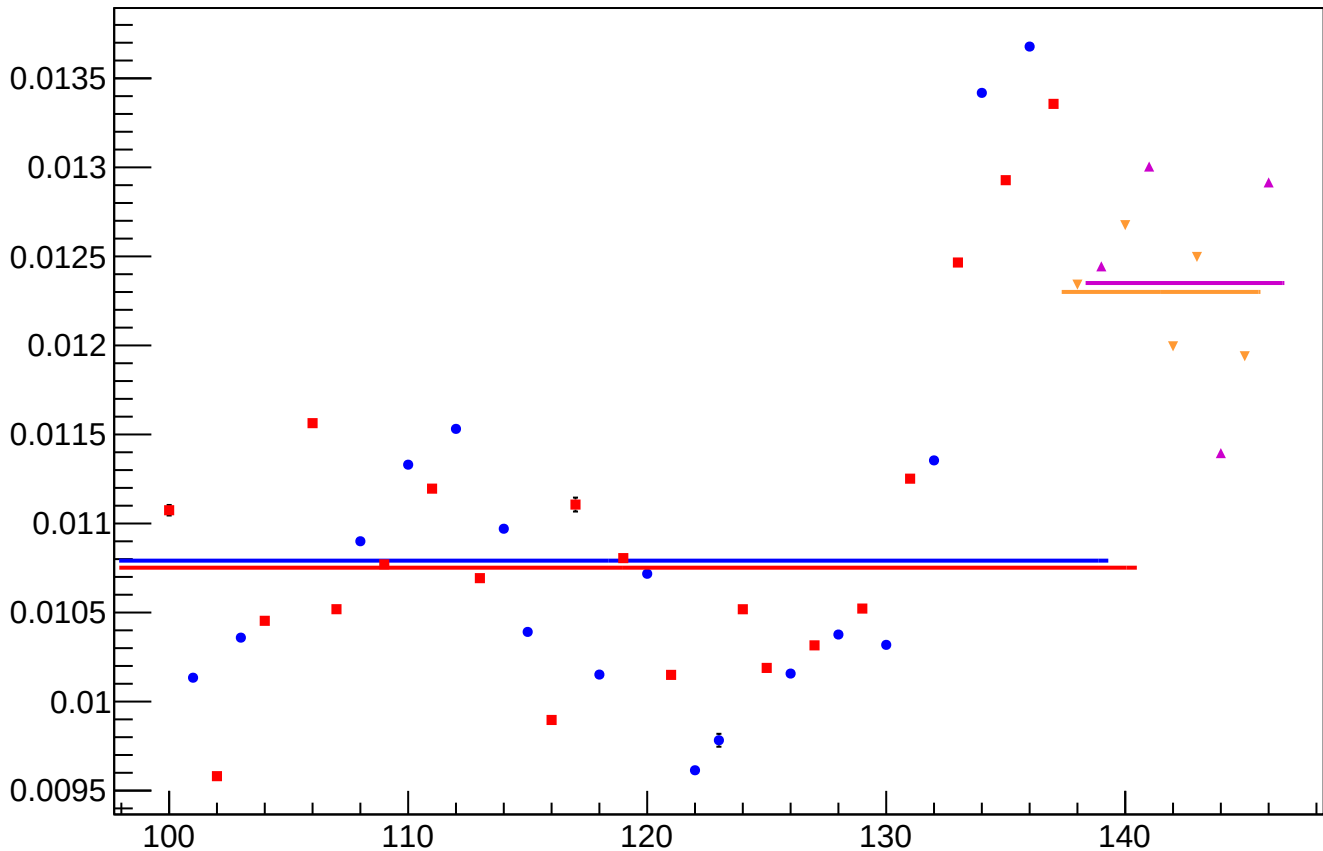
Left In: 1.046 ± 0.000 χ^2/NDF : 493146076.5/3

-0.296 ± 0.000 χ^2/NDF : 65458364976.8/21

-0.312 ± 0.000 χ^2/NDF : 125474349546.6

-0.329 ± 0.000 χ^2/NDF : 59972372479.1/23

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 125802.4/16

Left Out: 0.012+/-0.000 χ^2/NDF : 3596.1/4

Right Out: 0.011+/-0.000 χ^2/NDF : 90303.3/19

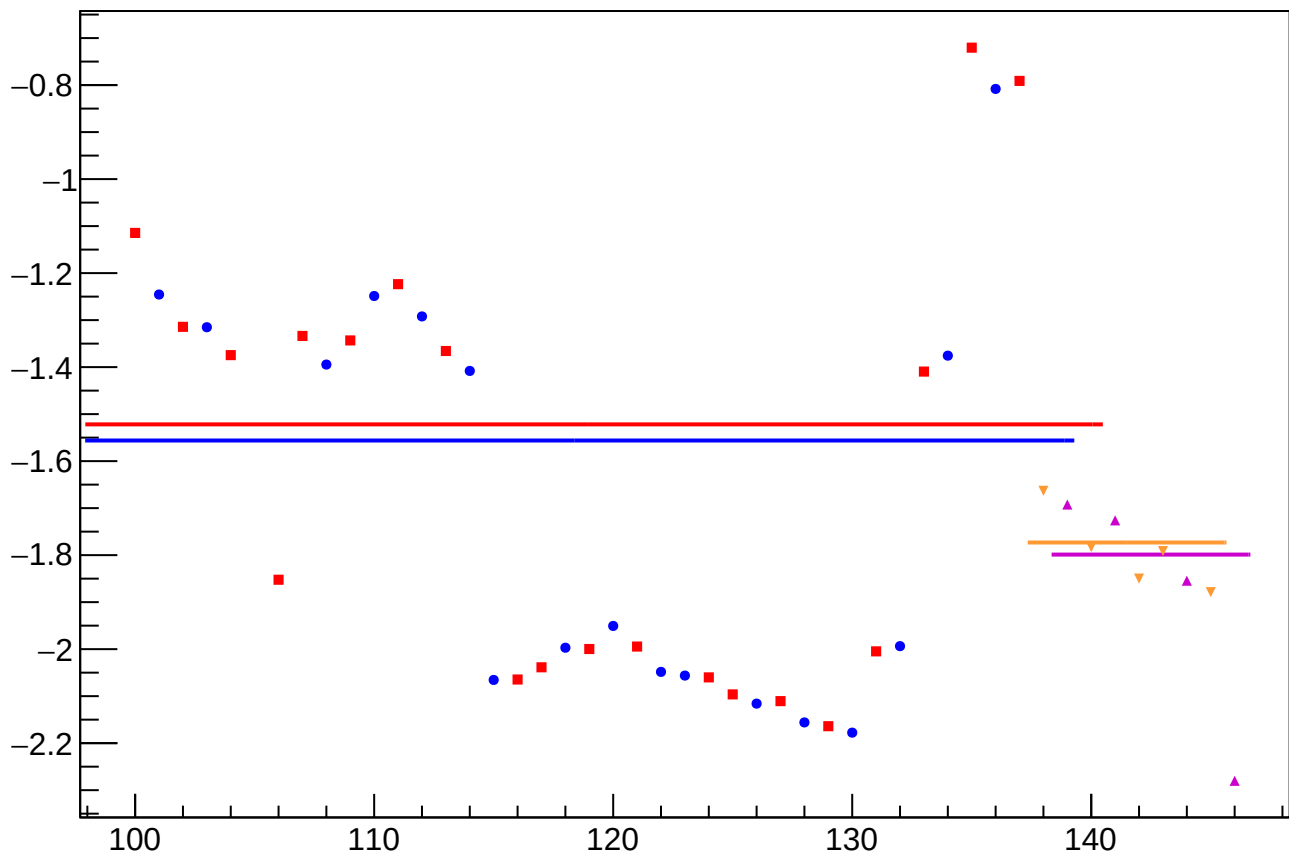
Left In: 0.012+/-0.000 χ^2/NDF : 19131.7/3

0.011+/-0.000 χ^2/NDF : 200509.3/21

0.011+/-0.000 χ^2/NDF : 387980.4/45

0.011+/-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: -1.773+/-0.000 χ^2/NDF : 2195125699.8/4

-1.619+/-0.000 χ^2/NDF : 168871206508.9/21

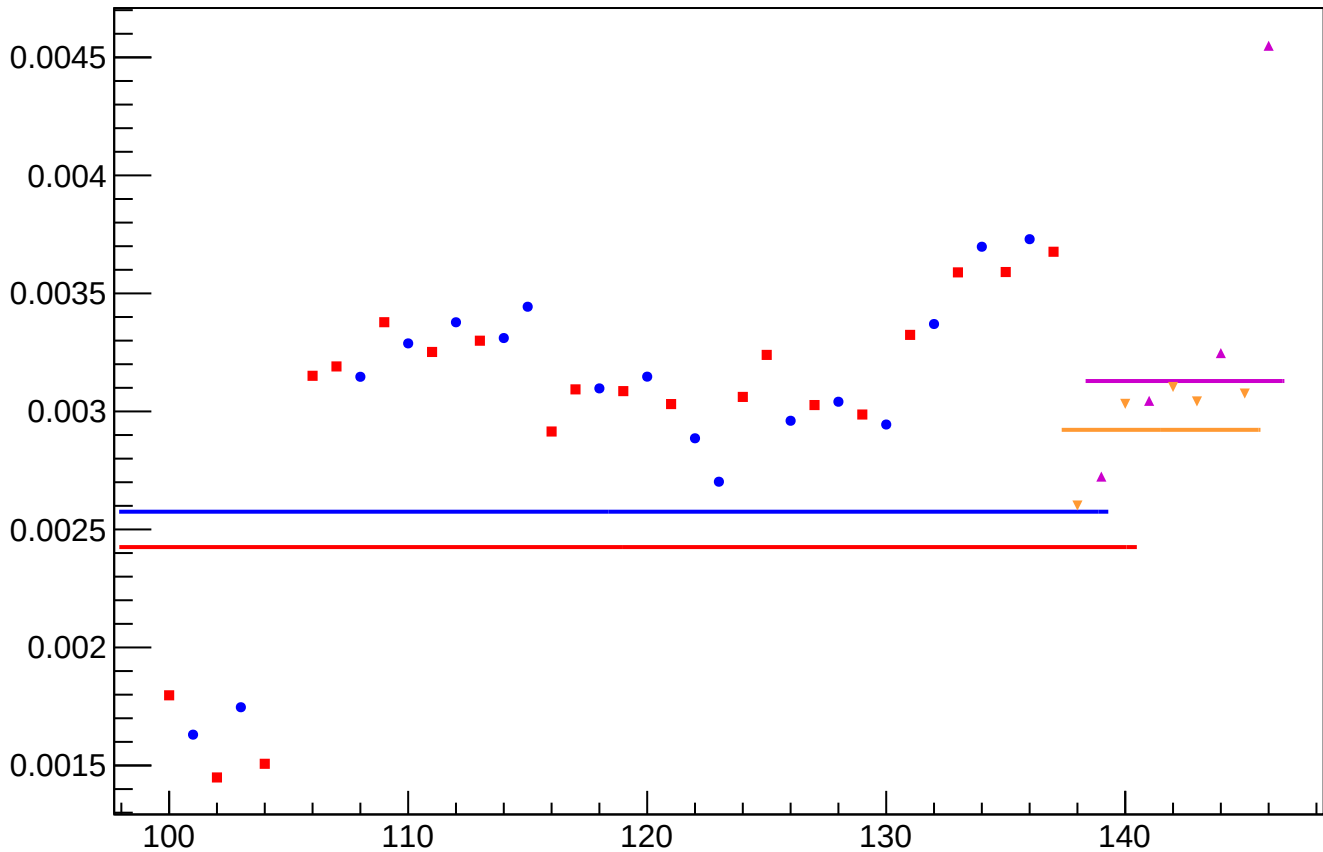
Right Out: -1.522+/-0.000 χ^2/NDF : 139385229659.4/19

-1.601+/-0.000 χ^2/NDF : 332605280524.3

-1.582+/-0.000 χ^2/NDF : 162899624253.0/23

Left In: -1.799+/-0.000 χ^2/NDF : 7254496437.9/3

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 1013833.9/16

Left Out: 0.003+/-0.000 χ^2/NDF : 30705.3/4

Right Out: 0.002+/-0.000 χ^2/NDF : 1493210.7/19

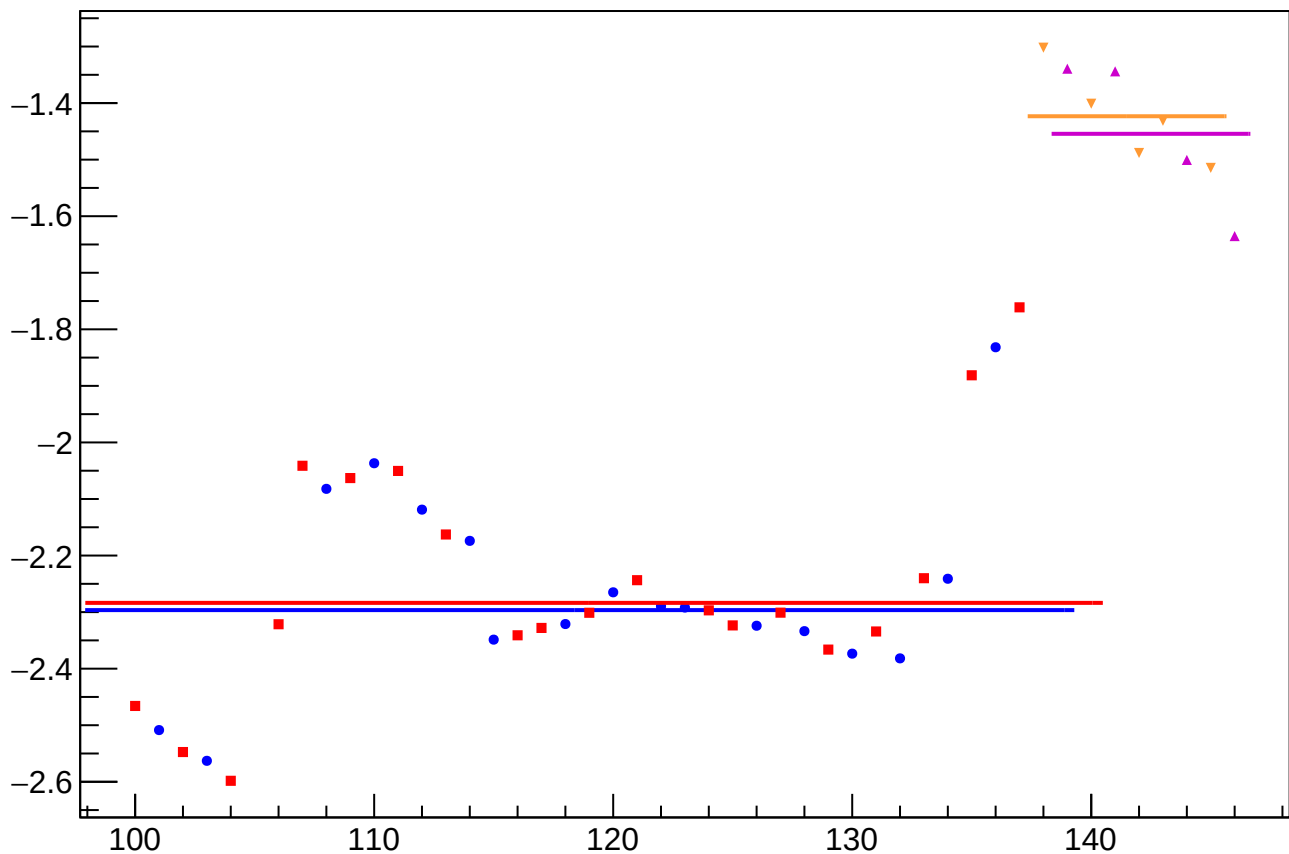
Left In: 0.003+/-0.000 χ^2/NDF : 129226.7/3

0.003+/-0.000 χ^2/NDF : 1104345.8/21

0.003+/-0.000 χ^2/NDF : 2948083.3/45

0.003+/-0.000 χ^2/NDF : 1832212.1/23

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.296 $\pm$ 0.000 χ^2 /NDF: 5782980938.4/16

Left Out: -1.423 $\pm$ 0.000 χ^2 /NDF: 262156674.2/4

Right Out: -2.284 $\pm$ 0.000 χ^2 /NDF: 6550363990.6/19

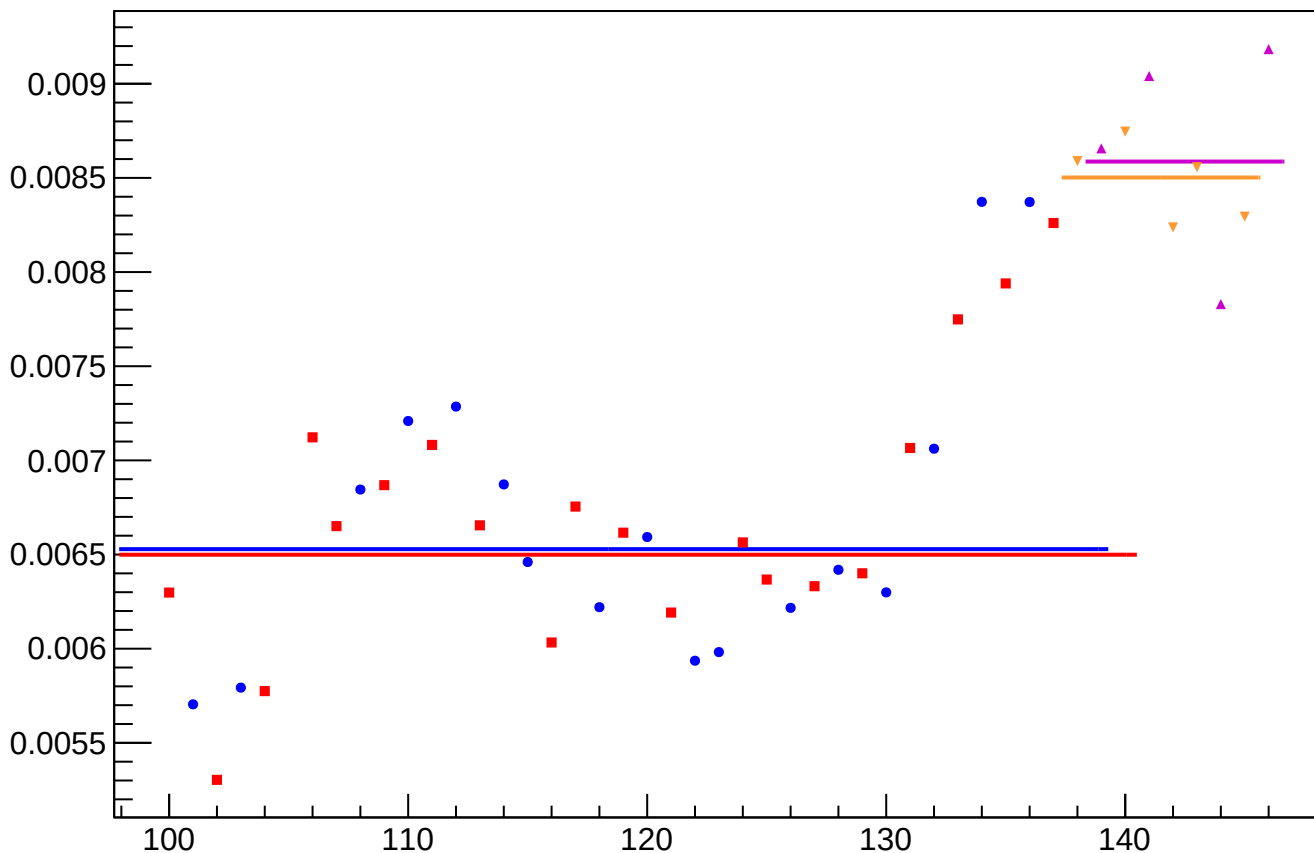
Left In: -1.454 $\pm$ 0.000 χ^2 /NDF: 551364205.8/3

-2.098 $\pm$ 0.000 χ^2 /NDF: 32376210600.8/21

-2.106 $\pm$ 0.000 χ^2 /NDF: 62183715050.1/4

-2.114 $\pm$ 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:3188.1/4

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 164253.8/19

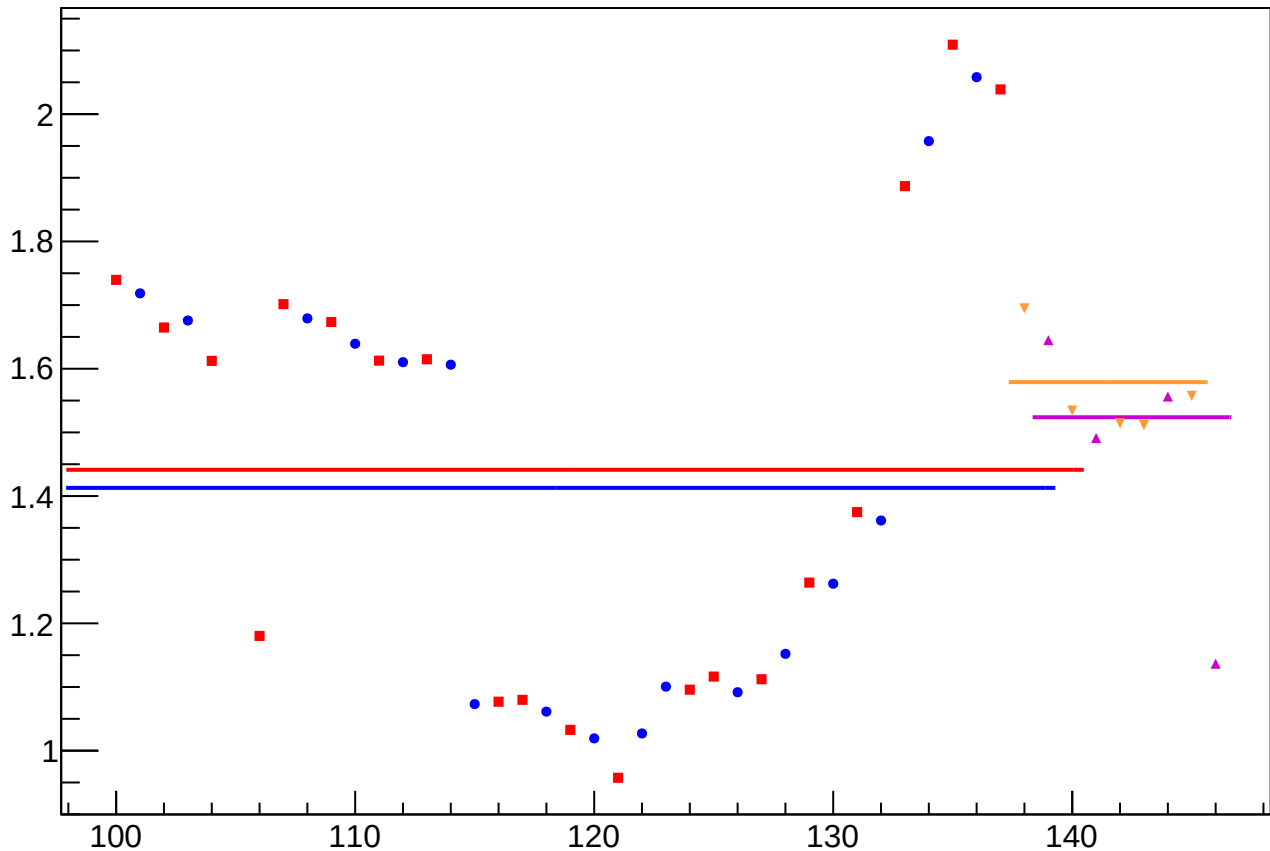
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:26056.9/3

0.007 $\pm$ 0.000 χ^2 /NDF: 448645.0/21

0.007 $\pm$ 0.000 χ^2 /NDF: 926942.0/45

0.007 $\pm$ 0.000 χ^2 /NDF: 477743.9/23

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 1.579+/-0.000 χ^2/NDF : 753911303.4/4

Right Out: 1.441+/-0.000 χ^2/NDF : 174346888744.4/19

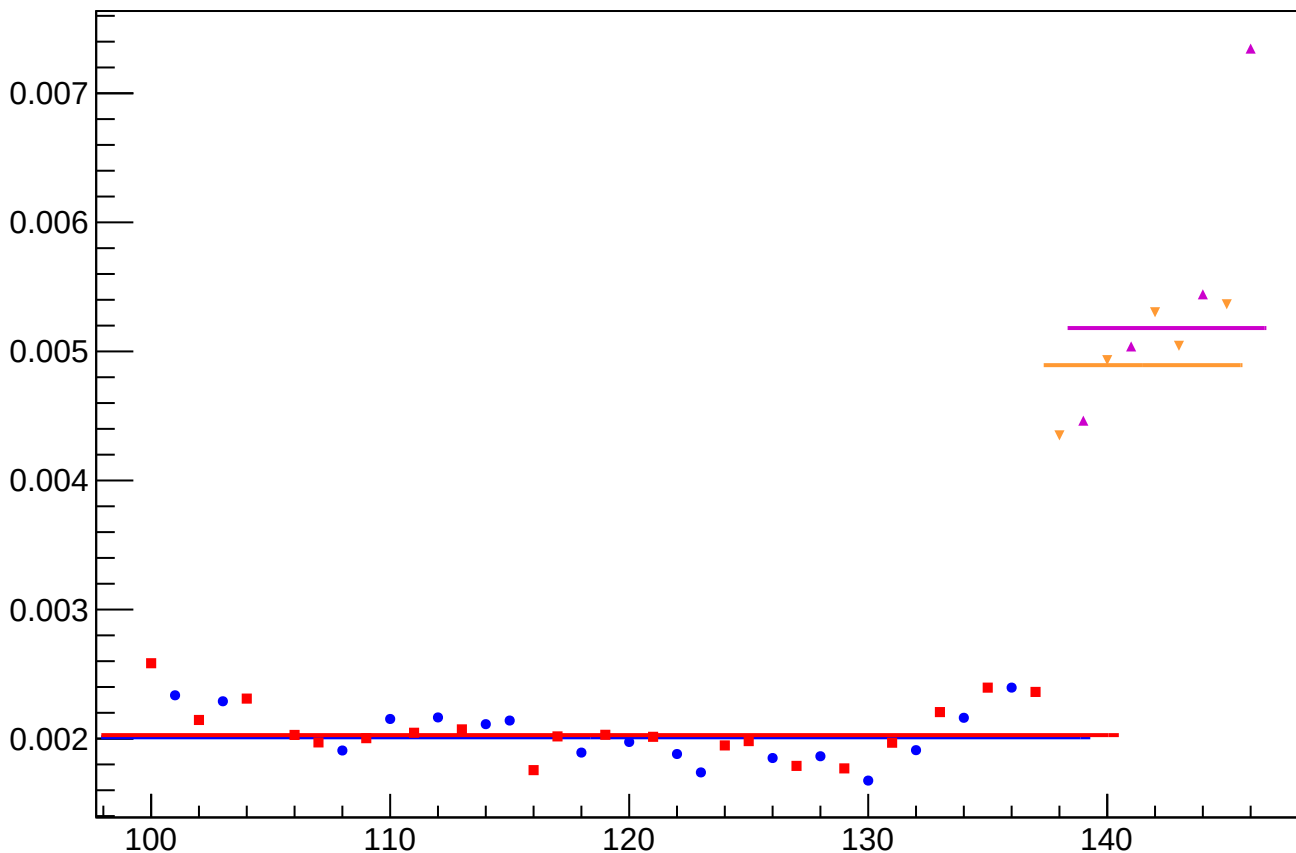
Left In: 1.524+/-0.000 χ^2/NDF : 2056971466.2/3

1.426+/-0.000 χ^2/NDF : 176613458083.5/21

1.436+/-0.000 χ^2/NDF : 354028261995.6/21

1.446+/-0.000 χ^2/NDF : 177064976431.2/23

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 :38086.1/4

Right Out: 0.002 $\pm$ 0.000 χ^2/NDF : 103927.8/19

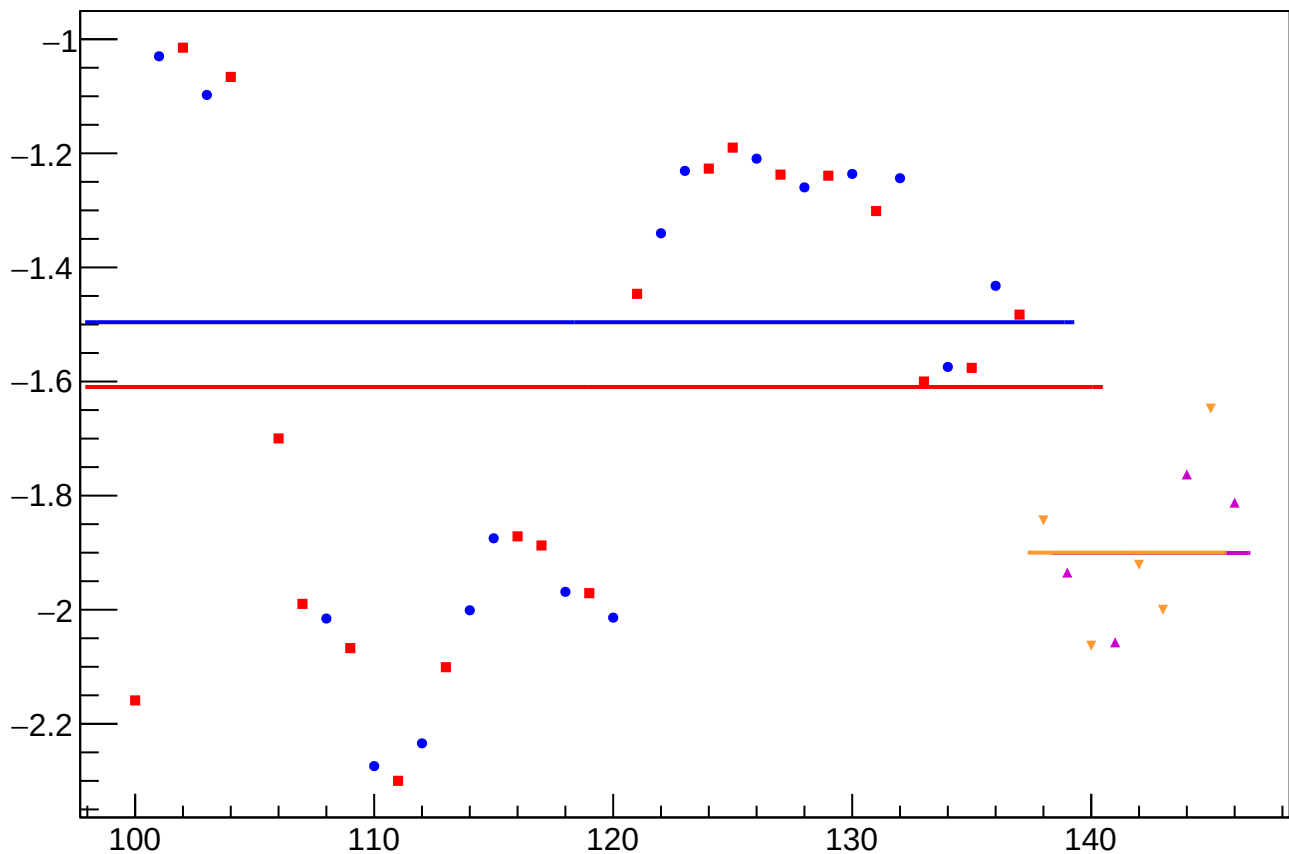
Left In: 0.005 $\pm$ 0.000 χ^2/NDF :133469.3/3

0.002 $\pm$ 0.000 χ^2/NDF : 2178734.0/21

0.002 $\pm$ 0.000 χ^2/NDF : 4348095.6/45

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: -1.900+/-0.000 χ^2/NDF : 2323412148.9/4

Right Out: -1.610+/-0.000 χ^2/NDF : 27919840690.9/19

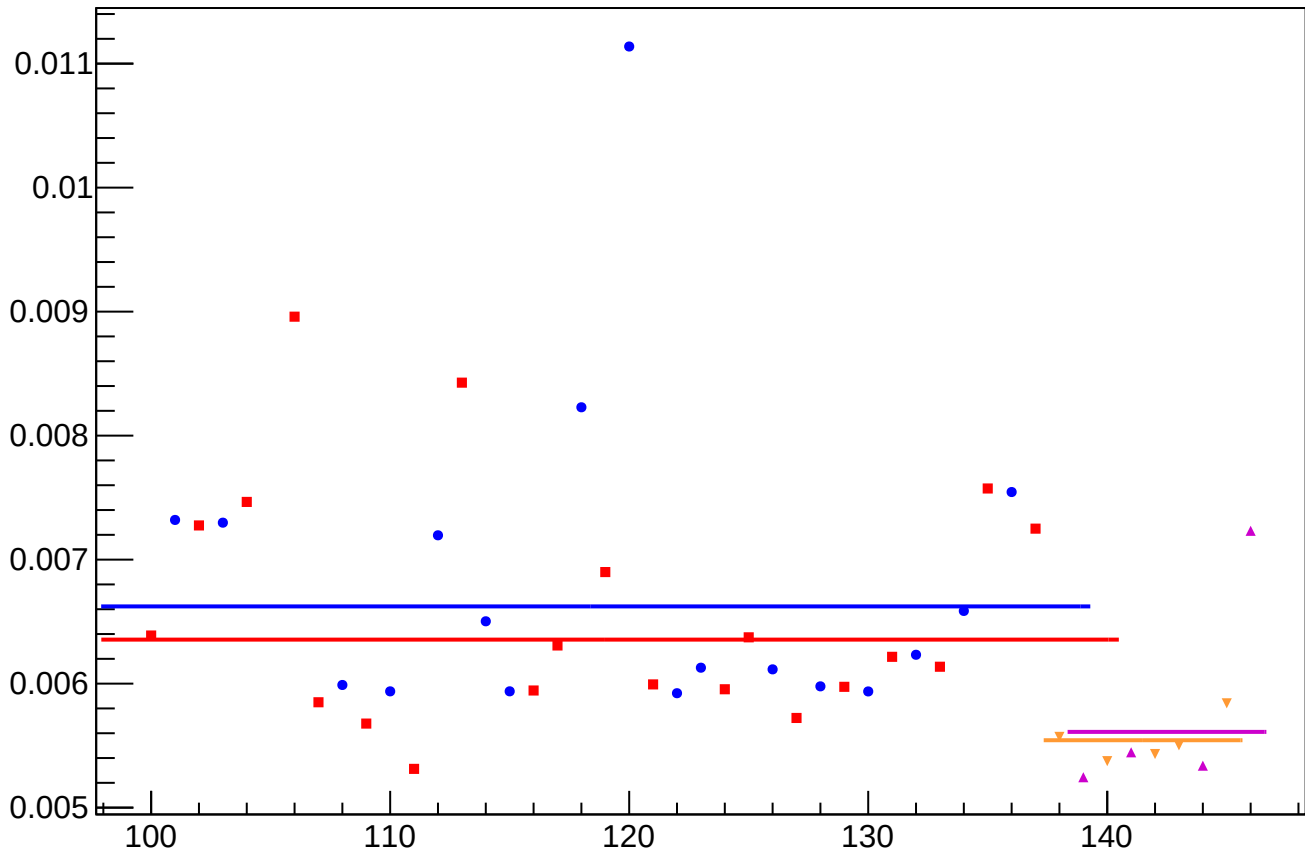
Left In: -1.901+/-0.000 χ^2/NDF : 1362830063.1/3

-1.669+/-0.000 χ^2/NDF : 34545779284.3/21

-1.693+/-0.000 χ^2/NDF : 69166386191.5/4

-1.716+/-0.000 χ^2/NDF : 34349194485.4/23

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 : 5687.5/4

Right Out: 0.006+/-0.000 χ^2/NDF : 227865.9/19

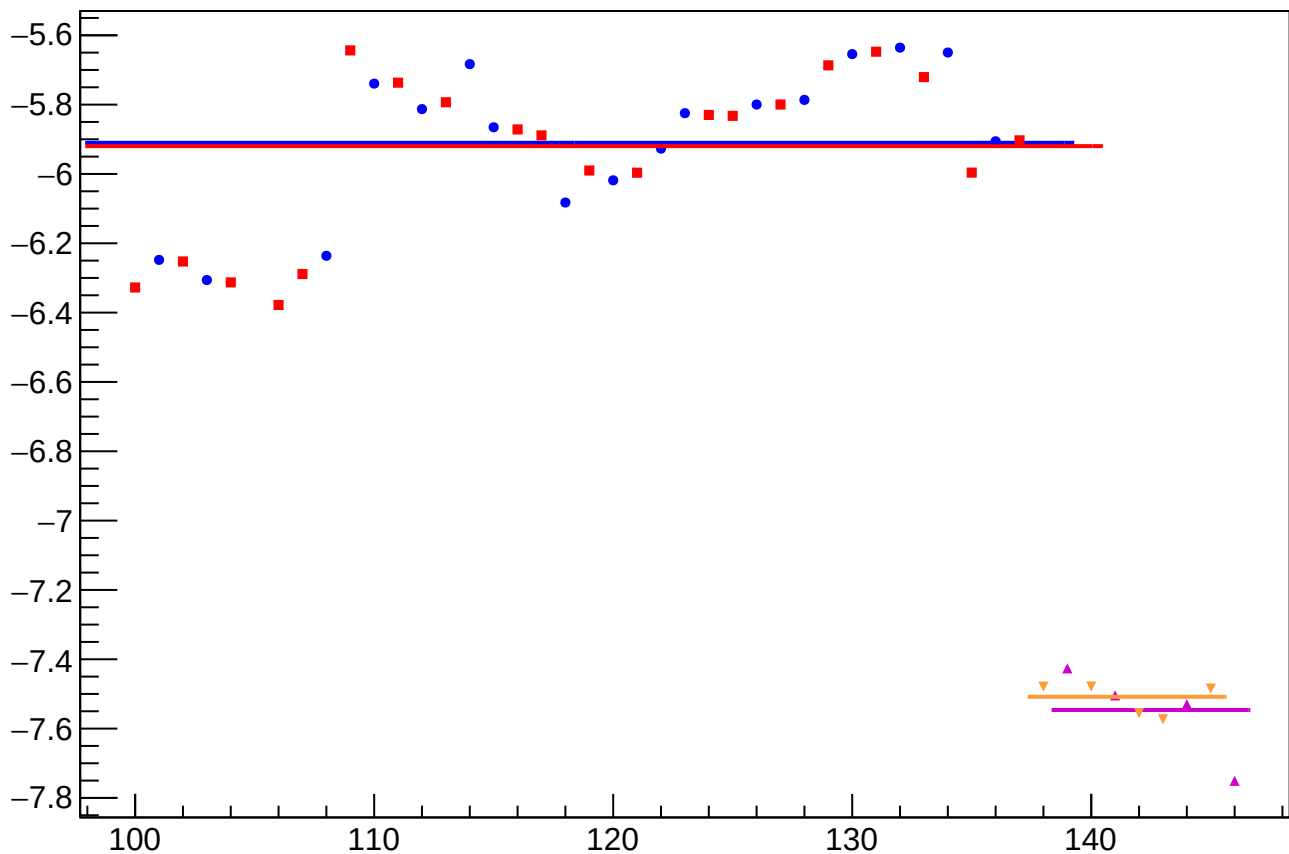
Left In: 0.006+/-0.000 χ^2/NDF : 81422.0/3

0.006+/-0.000 χ^2/NDF : 376817.2/21

0.006+/-0.000 χ^2/NDF : 753843.4/45

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: -7.508+/-0.000 χ^2/NDF : 62543986.0/4

Right Out: -5.920+/-0.000 χ^2/NDF : 12786449843.6/19

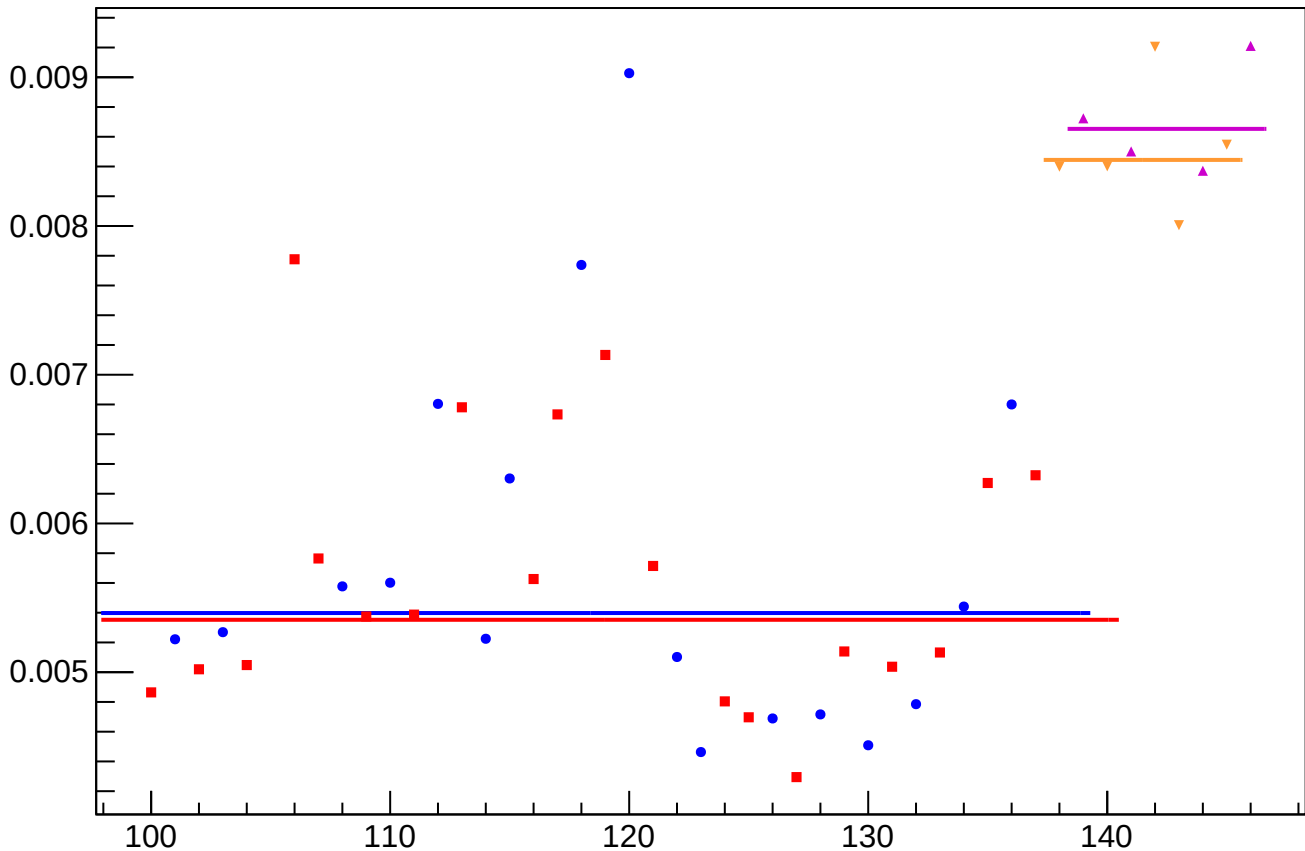
Left In: -7.546+/-0.000 χ^2/NDF : 431124692.9/3

-6.164+/-0.000 χ^2/NDF : 93349195033.4/21

-6.153+/-0.000 χ^2/NDF : 187979021619.1

-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 : 8360.6/4

Right Out: 0.005+/-0.000 χ^2/NDF : 252664.1/19

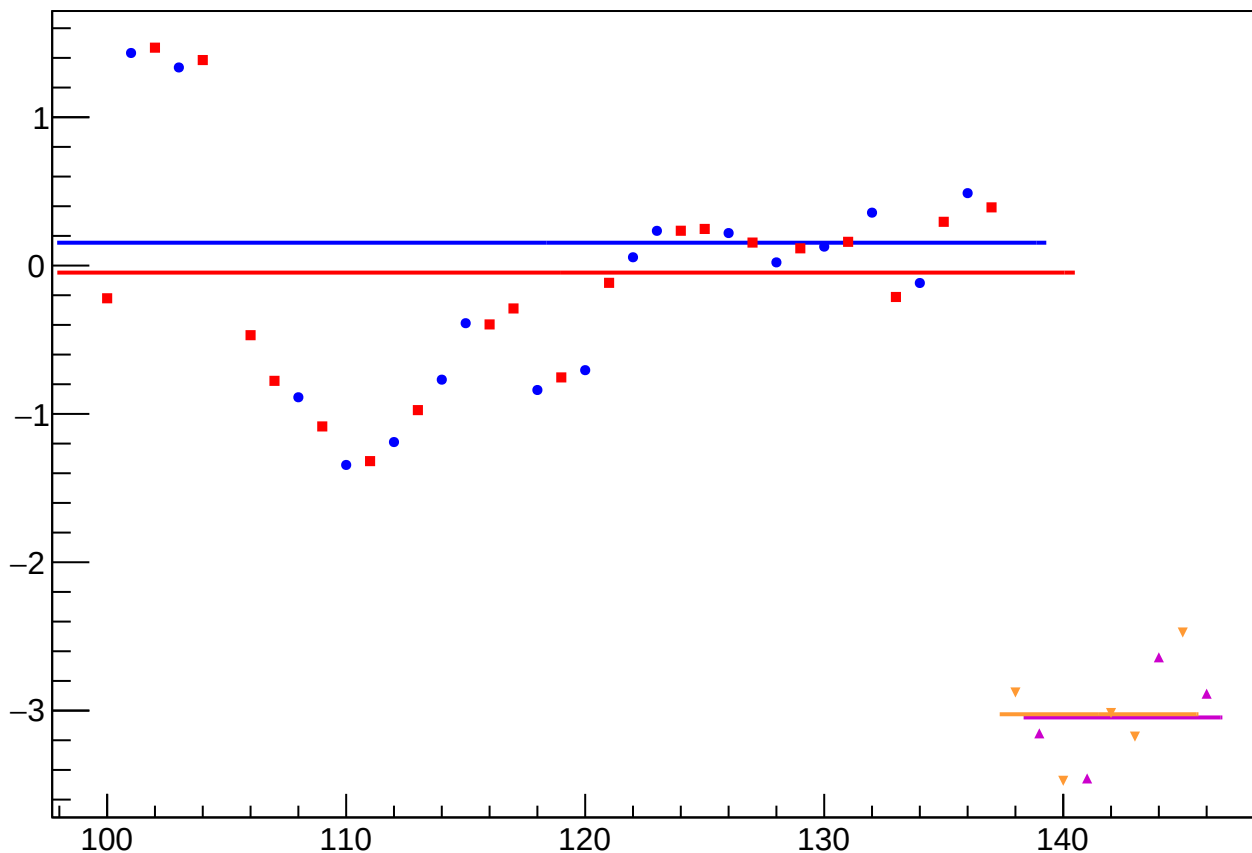
Left In: 0.009+/-0.000 χ^2/NDF : 6800.1/3

0.006+/-0.000 χ^2/NDF : 976711.0/21

0.006+/-0.000 χ^2/NDF : 1907559.1/45

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: -3.025+/-0.000 χ^2/NDF : 1378941156.1/4

Right Out: -0.047+/-0.000 χ^2/NDF : 21216074494.2/19

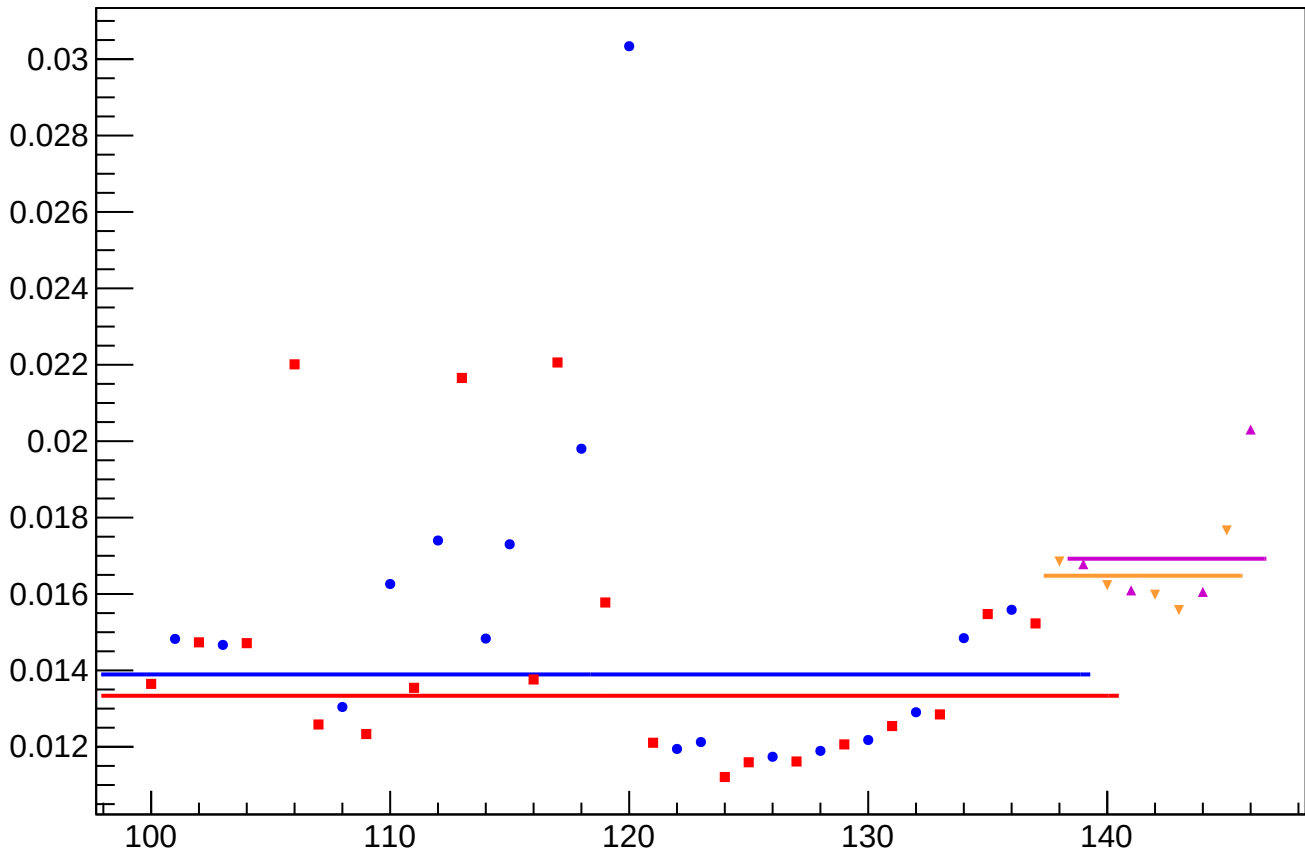
Left In: -3.046+/-0.000 χ^2/NDF : 1127571383.4/3

-0.714+/-0.000 χ^2/NDF : 103001204570.5/21

-0.712+/-0.000 χ^2/NDF : 197990589924.6

-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: 0.016 $\pm$ 0.000 χ^2/NDF :12089.4/4

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 303459.9/19

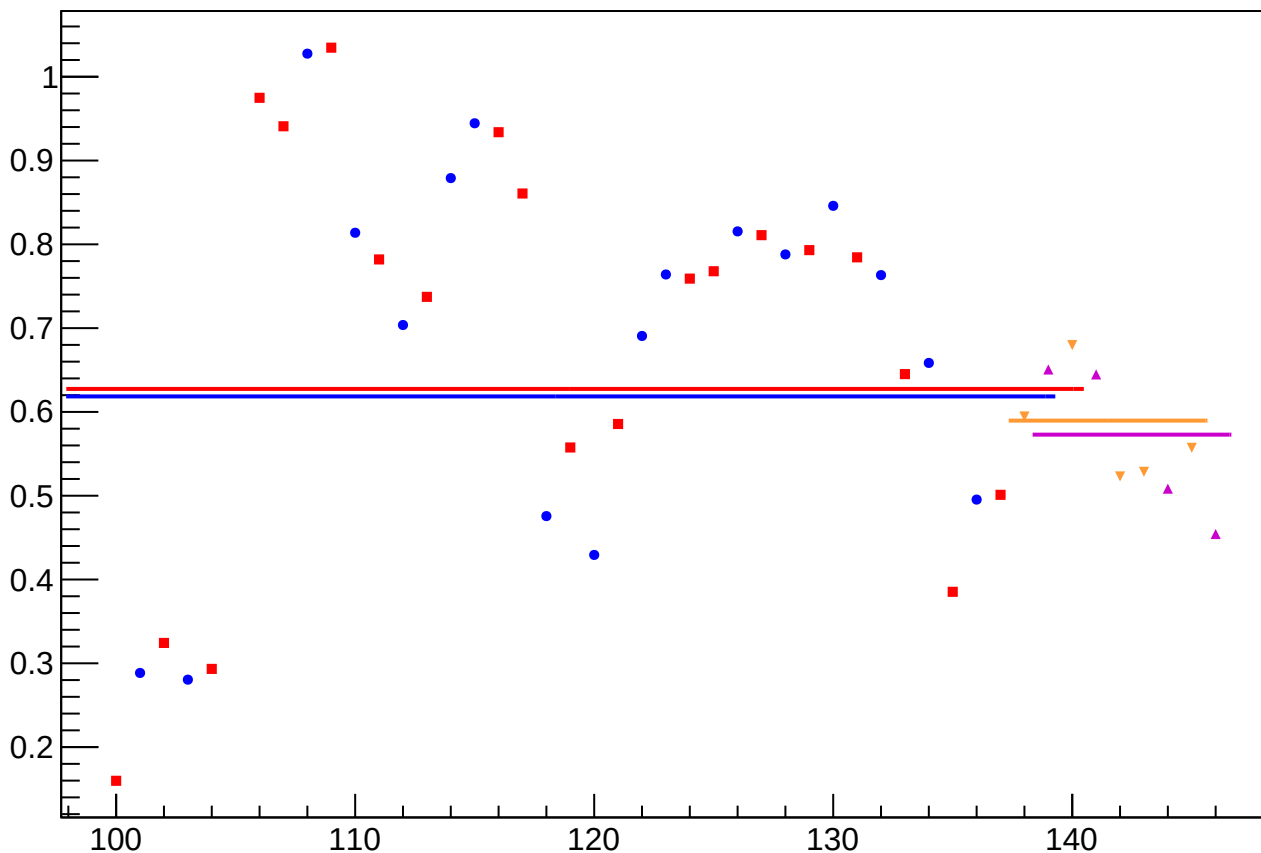
Left In: 0.017 $\pm$ 0.000 χ^2/NDF :47899.7/3

0.015 $\pm$ 0.000 χ^2/NDF : 524496.9/21

0.014 $\pm$ 0.000 χ^2/NDF : 1093608.4/45

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: 0.590 $\pm$ 0.000 χ^2 /NDF: 209225129.1/4

Right Out: 0.627 $\pm$ 0.000 χ^2 /NDF: 6345684740.0/19

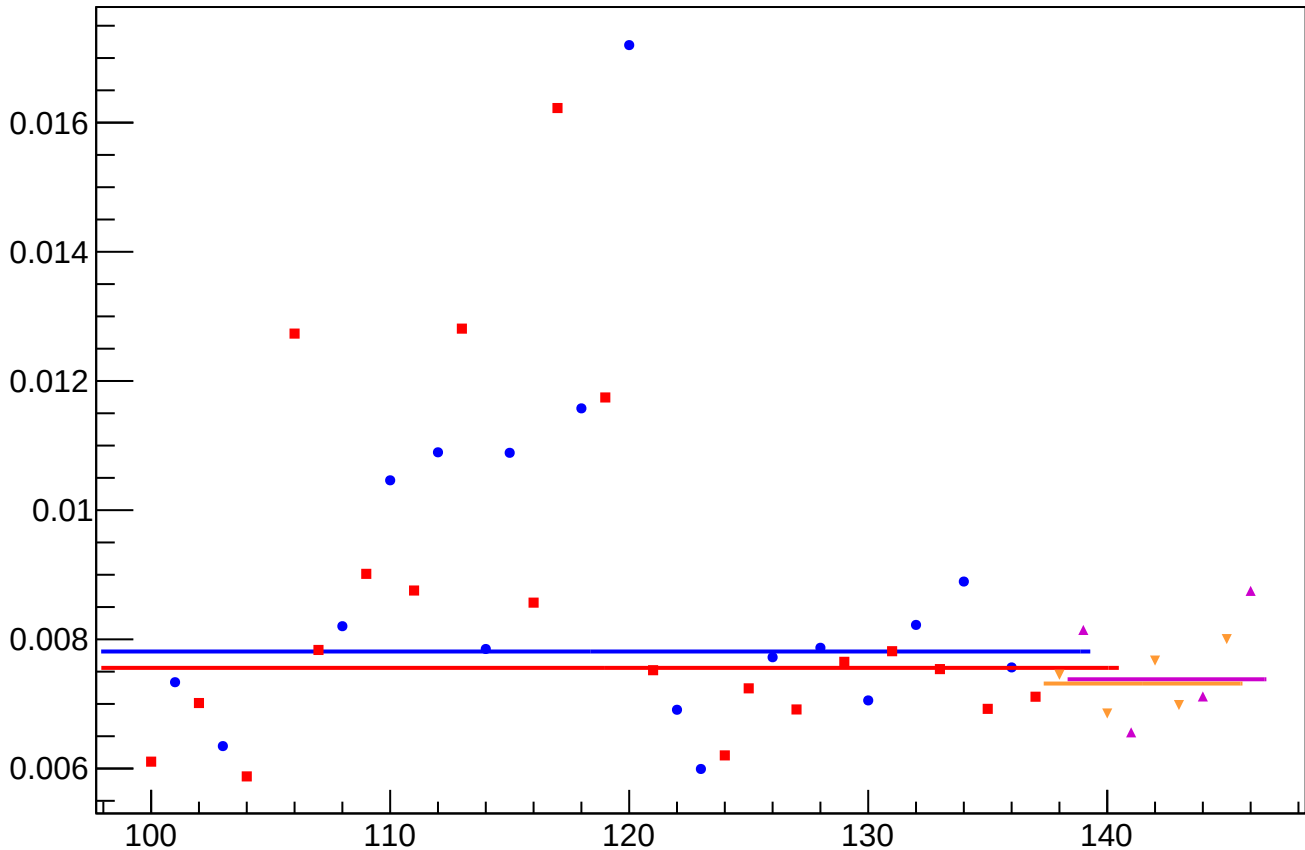
Left In: 0.573 $\pm$ 0.000 χ^2 /NDF: 344598528.4/3

0.608 $\pm$ 0.000 χ^2 /NDF: 5655306504.1/21

0.609 $\pm$ 0.000 χ^2 /NDF: 12451606223.2/4

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 : 20901.4/4

Right Out: 0.008+/-0.000 χ^2/NDF : 463232.7/19

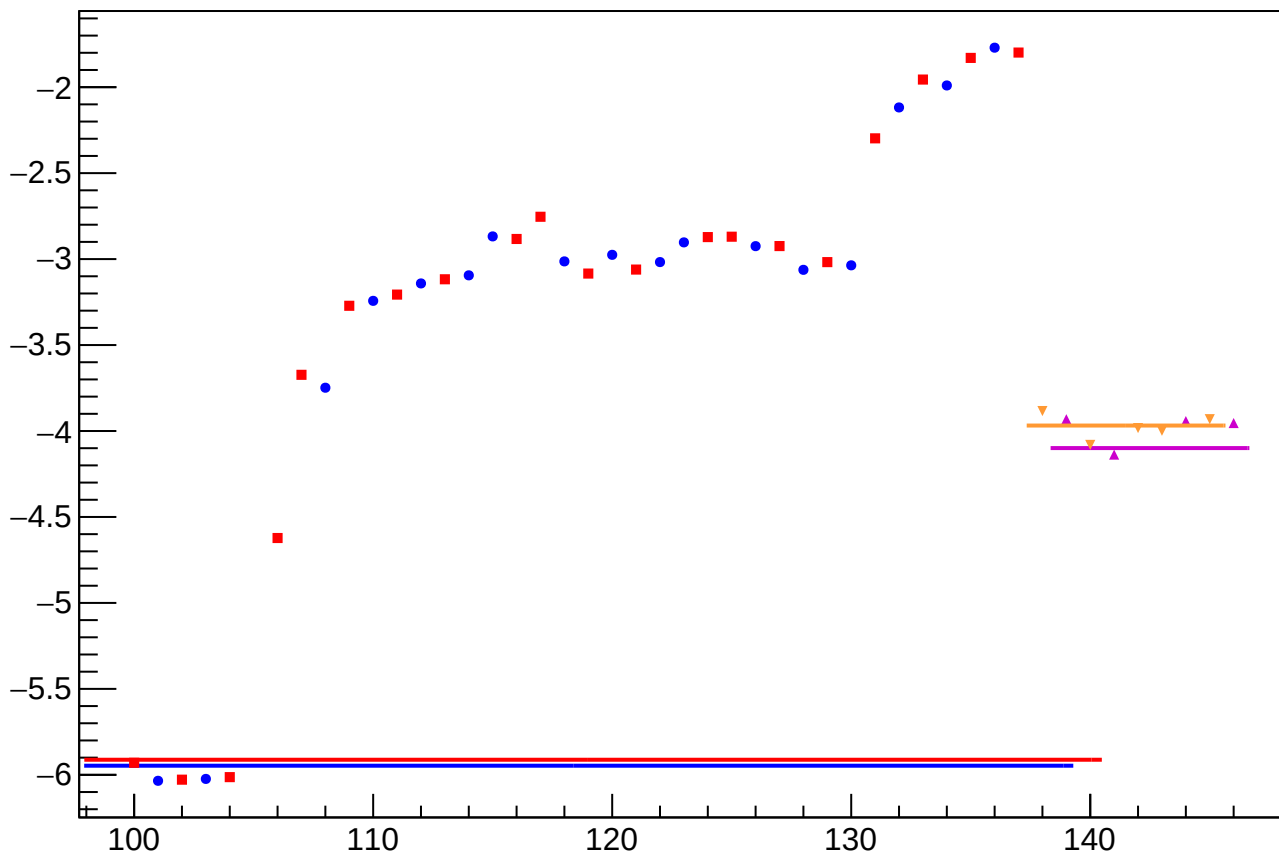
Left In: 0.007+/-0.000 χ^2/NDF : 72003.9/3

0.008+/-0.000 χ^2/NDF : 504919.8/21

0.008+/-0.000 χ^2/NDF : 1044985.7/45

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: -3.968+/-0.000 χ^2/NDF : 2211732.0/4

Right Out: -5.912+/-0.000 χ^2/NDF : 14648055548.9/19

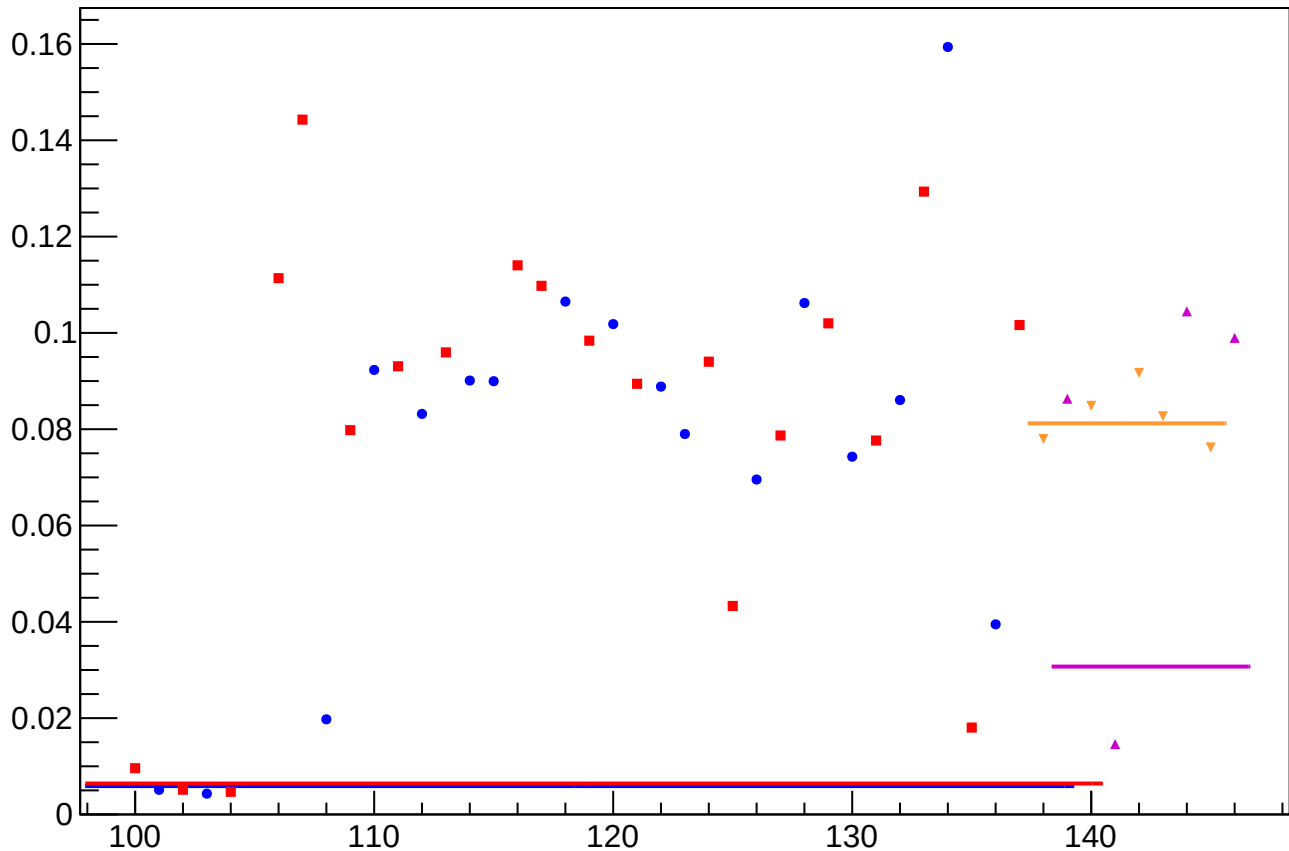
Left In: -4.099+/-0.000 χ^2/NDF : 6453341.7/3

-5.928+/-0.000 χ^2/NDF : 14938461242.4/21

-5.898+/-0.000 χ^2/NDF : 33153644552.4/4

-5.862+/-0.000 χ^2/NDF : 18121497162.4/23

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006 $\pm$ 0.000 χ^2/NDF : 7934545.2/16

Left Out: 0.081 $\pm$ 0.000 χ^2/NDF : 21994.9/4

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 8558731.2/19

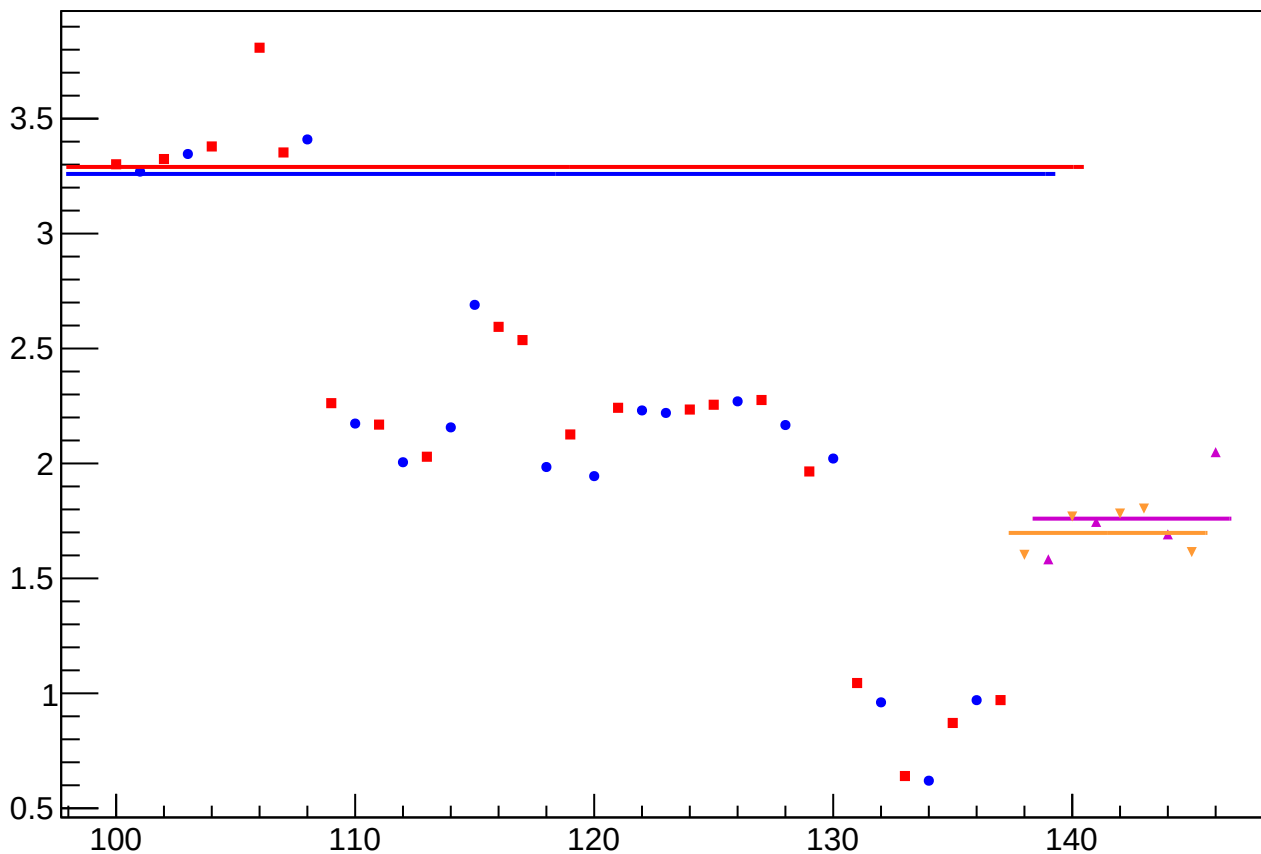
Left In: 0.031 $\pm$ 0.000 χ^2/NDF : 2336669.0/3

0.007 $\pm$ 0.000 χ^2/NDF : 13087727.7/21

0.007 $\pm$ 0.000 χ^2/NDF : 25237629.4/45

0.007 $\pm$ 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: 1.698+/-0.000 χ^2/NDF : 3246307.9/4

Right Out: 3.290+/-0.000 χ^2/NDF : 3263300926.6/19

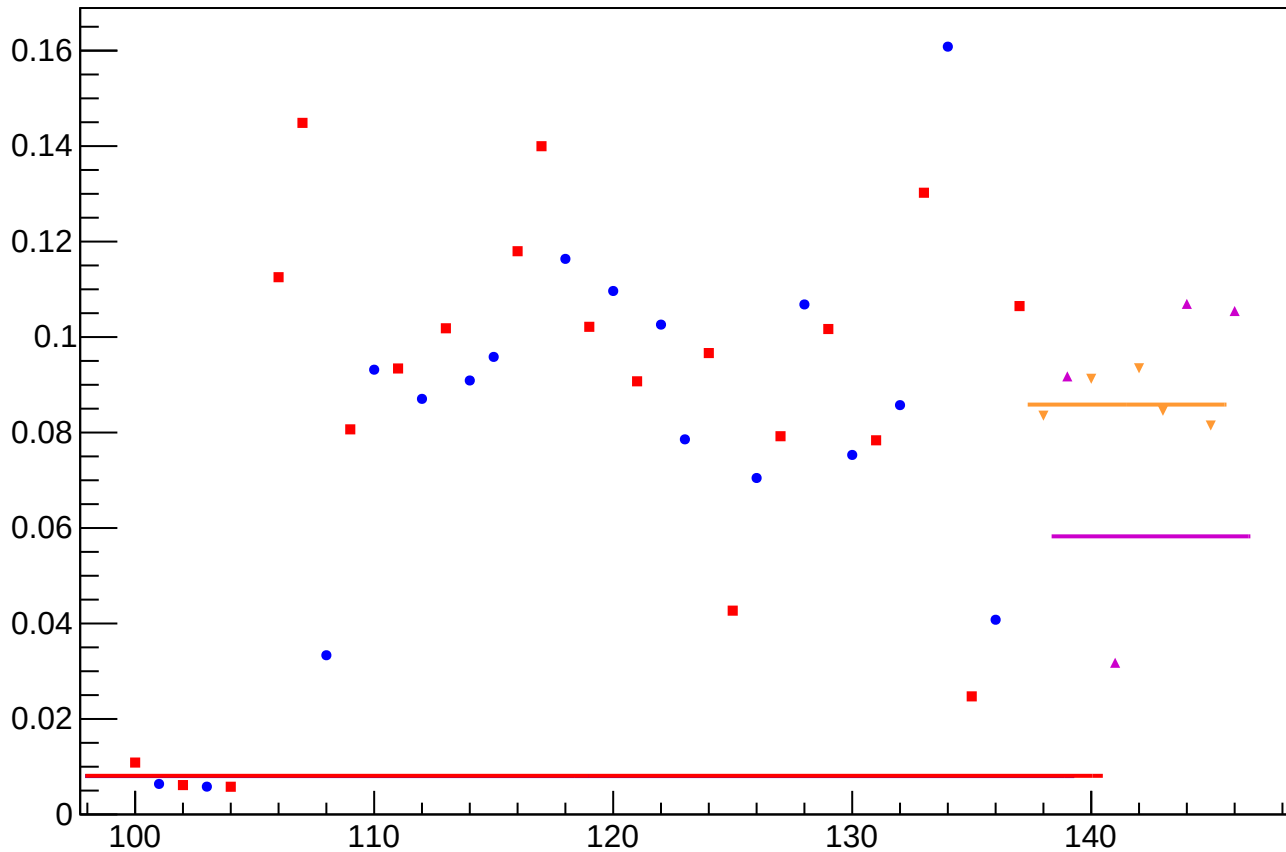
Left In: 1.760+/-0.000 χ^2/NDF : 7836848.4/3

3.237+/-0.000 χ^2/NDF : 3912541897.7/21

3.249+/-0.000 χ^2/NDF : 8368476680.4/45

3.261+/-0.000 χ^2/NDF : 4448272036.2/23

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 7742048.1/16

Left Out: 0.086+/-0.000 χ^2/NDF :15639.5/4

Right Out: 0.008+/-0.000 χ^2/NDF : 8375005.0/19

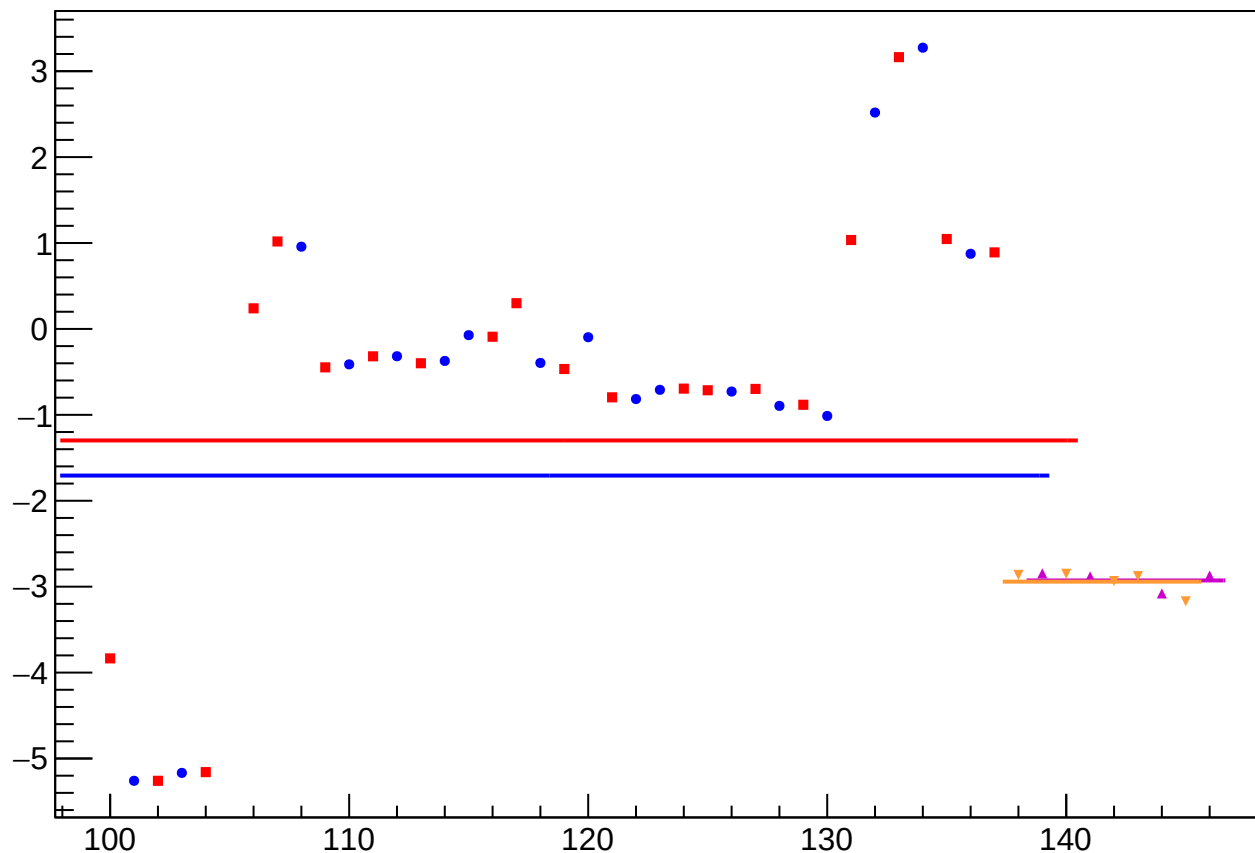
Left In: 0.058+/-0.000 χ^2/NDF :1200573.2/3

0.009+/-0.000 χ^2/NDF : 12661220.5/21

0.009+/-0.000 χ^2/NDF : 24767565.3/45

0.009+/-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: -2.941+/-0.000 χ^2/NDF : 917004268.7/4

Right Out: -1.298+/-0.000 χ^2/NDF : 178085926993.4/19

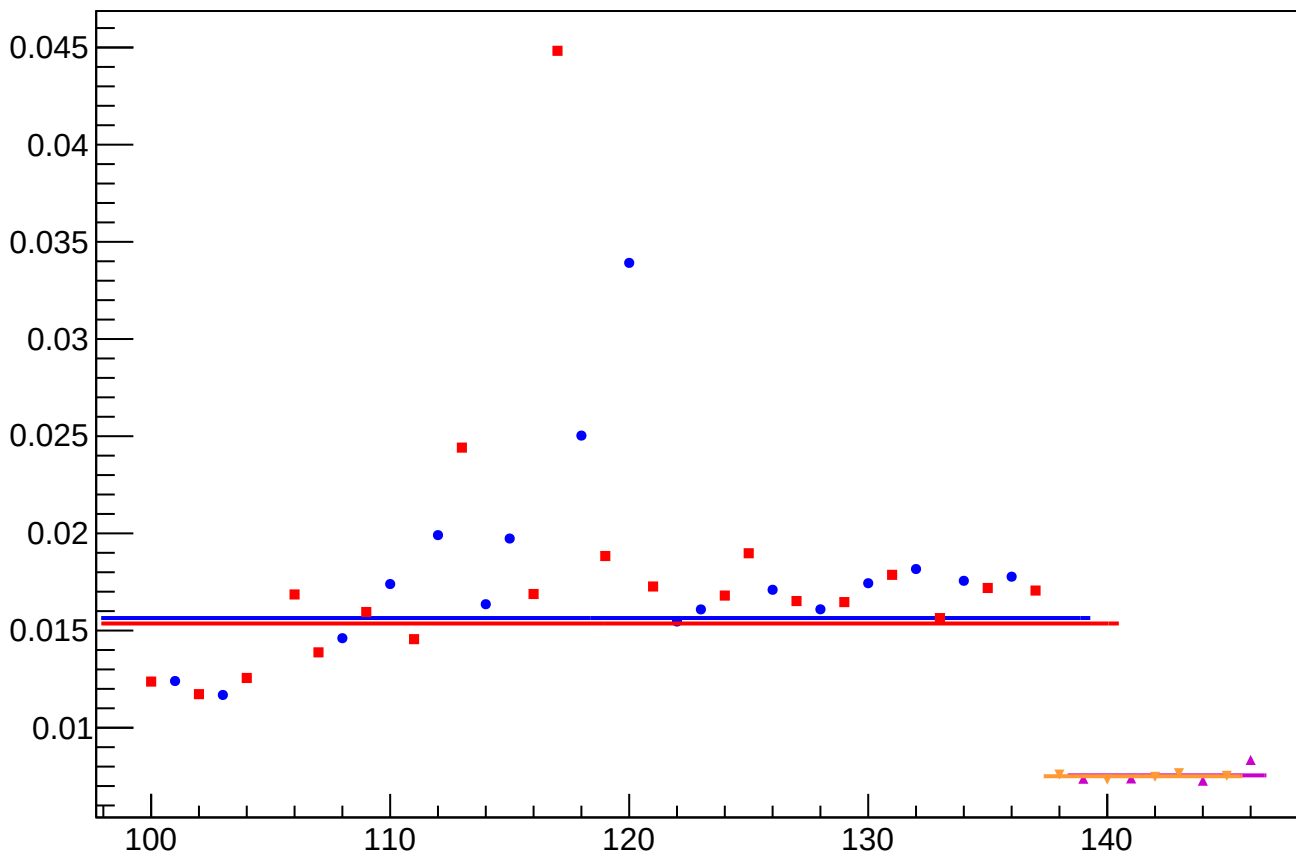
Left In: -2.928+/-0.000 χ^2/NDF : 509822458.3/3

-2.587+/-0.000 χ^2/NDF : 191918008974.1/21

-2.490+/-0.000 χ^2/NDF : 419044439870.9

-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 : 1574.4/4

Right Out: 0.015+/-0.000 χ^2/NDF : 387283.2/19

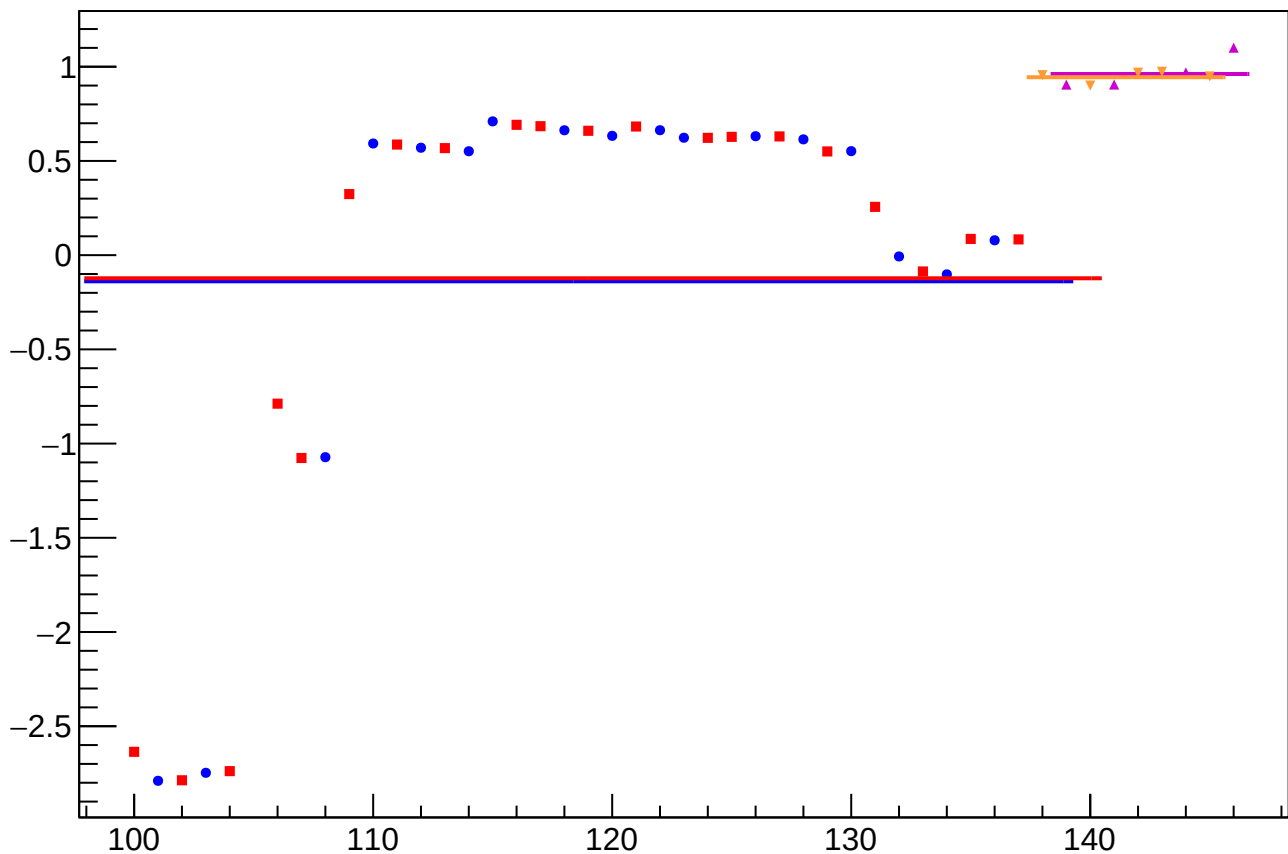
Left In: 0.008+/-0.000 χ^2/NDF : 17733.9/3

0.010+/-0.000 χ^2/NDF : 2742707.9/21

0.010+/-0.000 χ^2/NDF : 5317402.0/45

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: 0.944+/-0.000 χ^2/NDF : 48728156.9/4

-0.022+/-0.000 χ^2/NDF : 779829014665.0/21

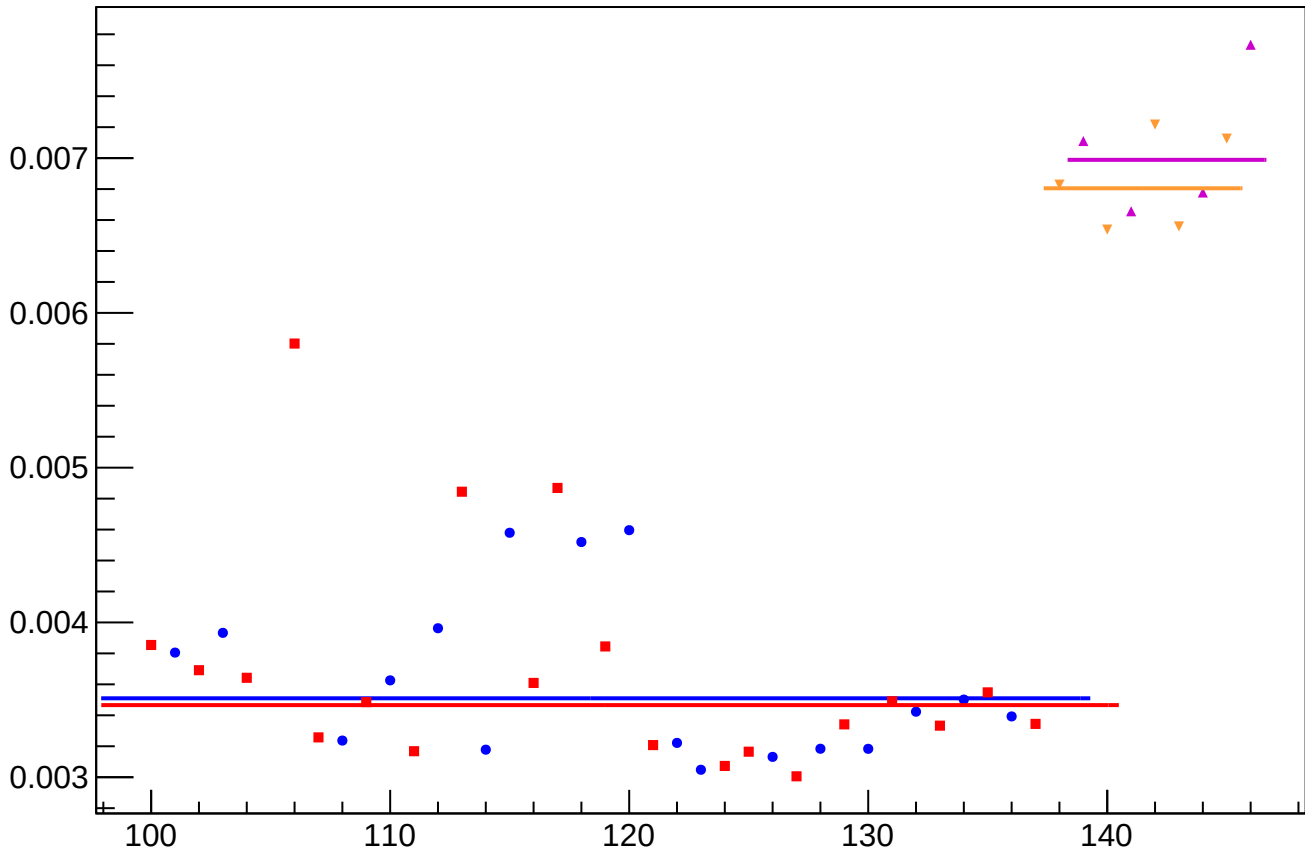
Right Out: -0.123+/-0.000 χ^2/NDF : 762580598699.5/19

-0.022+/-0.000 χ^2/NDF : 1603701737383.0/21

-0.023+/-0.000 χ^2/NDF : 823872626538.3/23

Left In: 0.961+/-0.000 χ^2/NDF : 303618135.3/3

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:8963.9/4

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 222524.1/19

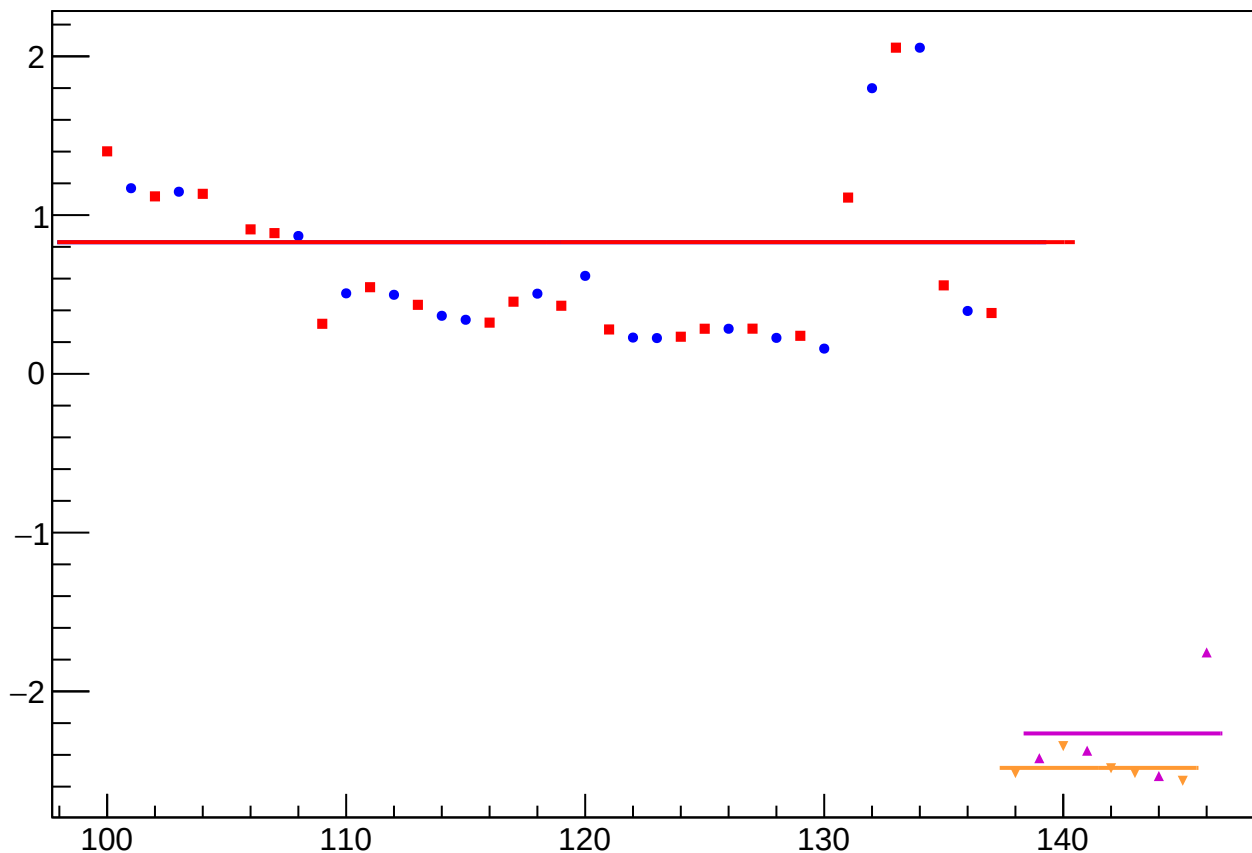
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:17662.4/3

0.004 $\pm$ 0.000 χ^2 /NDF: 1378722.6/21

0.004 $\pm$ 0.000 χ^2 /NDF: 2910391.1/45

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: -2.482+/-0.000 χ^2/NDF : 460947310.7/4

Right Out: 0.830+/-0.000 χ^2/NDF : 33349713412.0/19

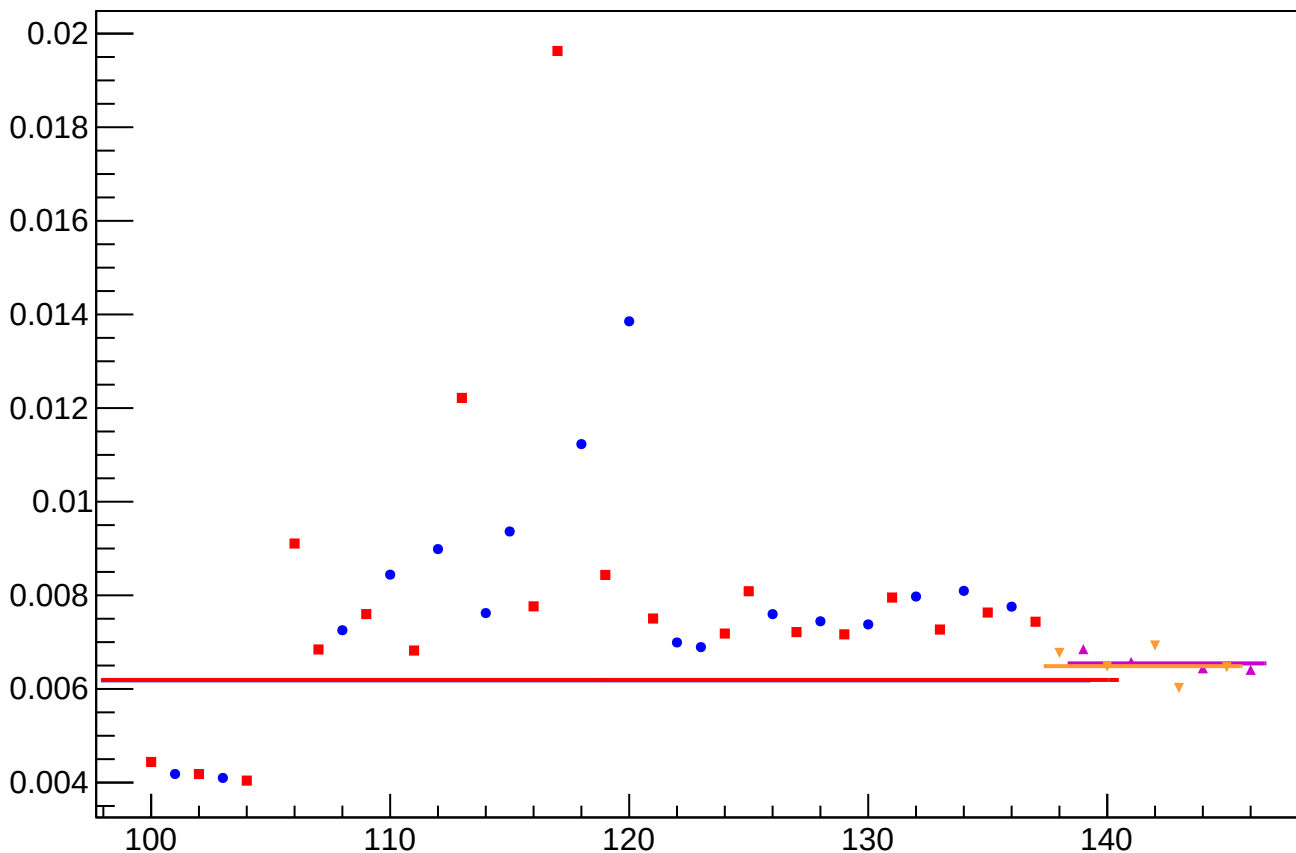
Left In: -2.265+/-0.000 χ^2/NDF : 6594636581.3/3

-0.287+/-0.000 χ^2/NDF : 545490903793.7/21

-0.208+/-0.000 χ^2/NDF : 1040551740142.0/21

-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: 0.006 +/- 0.000 χ^2/NDF : 11866.7/4

Right Out: 0.006 +/- 0.000 χ^2/NDF : 1062886.2/19

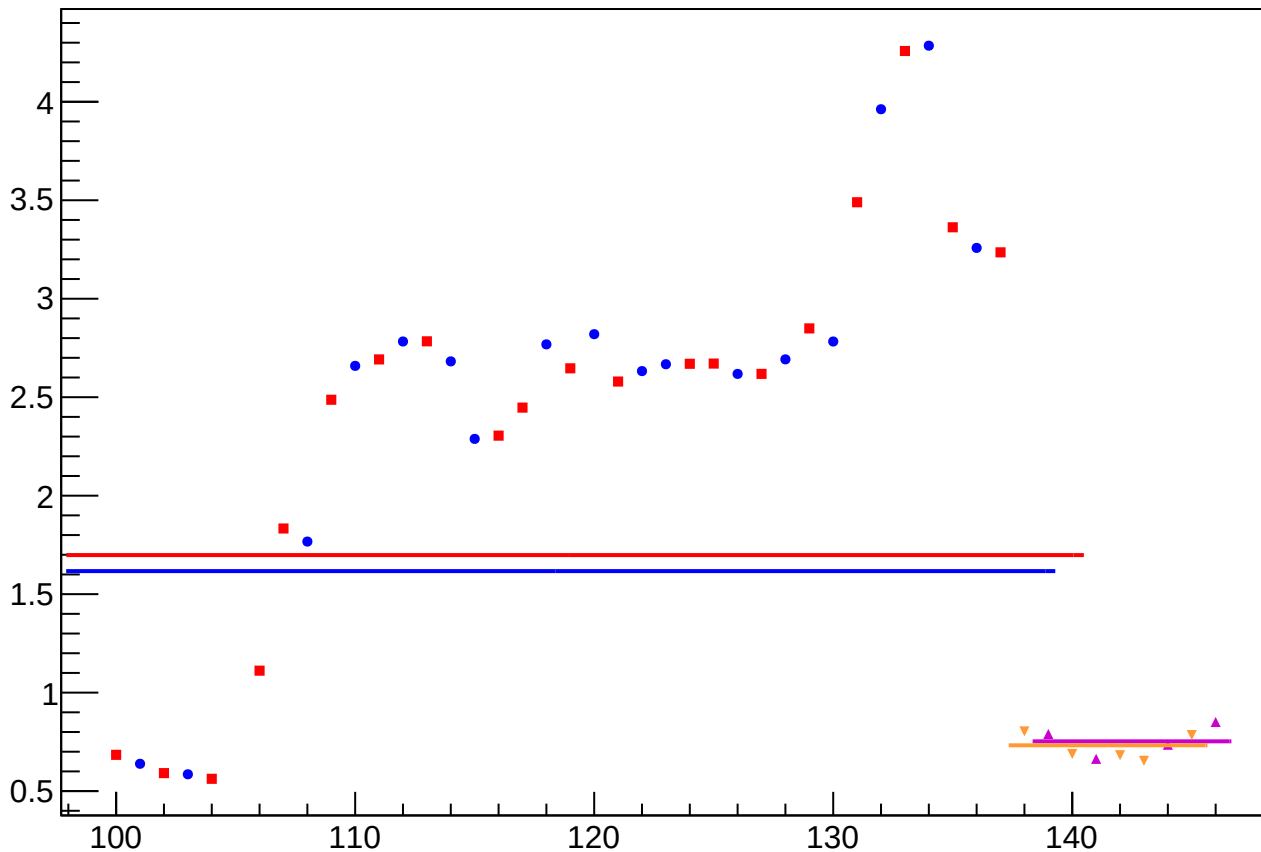
Left In: 0.007 +/- 0.000 χ^2/NDF : 3541.6/3

0.006 +/- 0.000 χ^2/NDF : 1249373.2/21

0.006 +/- 0.000 χ^2/NDF : 2327671.1/45

0.006 +/- 0.000 χ^2/NDF : 1078243.8/23

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.617 $\pm$ 0.000 χ^2/NDF : 202886791000.7/16

Left Out: 0.732 $\pm$ 0.000 χ^2/NDF : 287558438.4/4

Right Out: 1.698 $\pm$ 0.000 χ^2/NDF : 227436227264.4/19

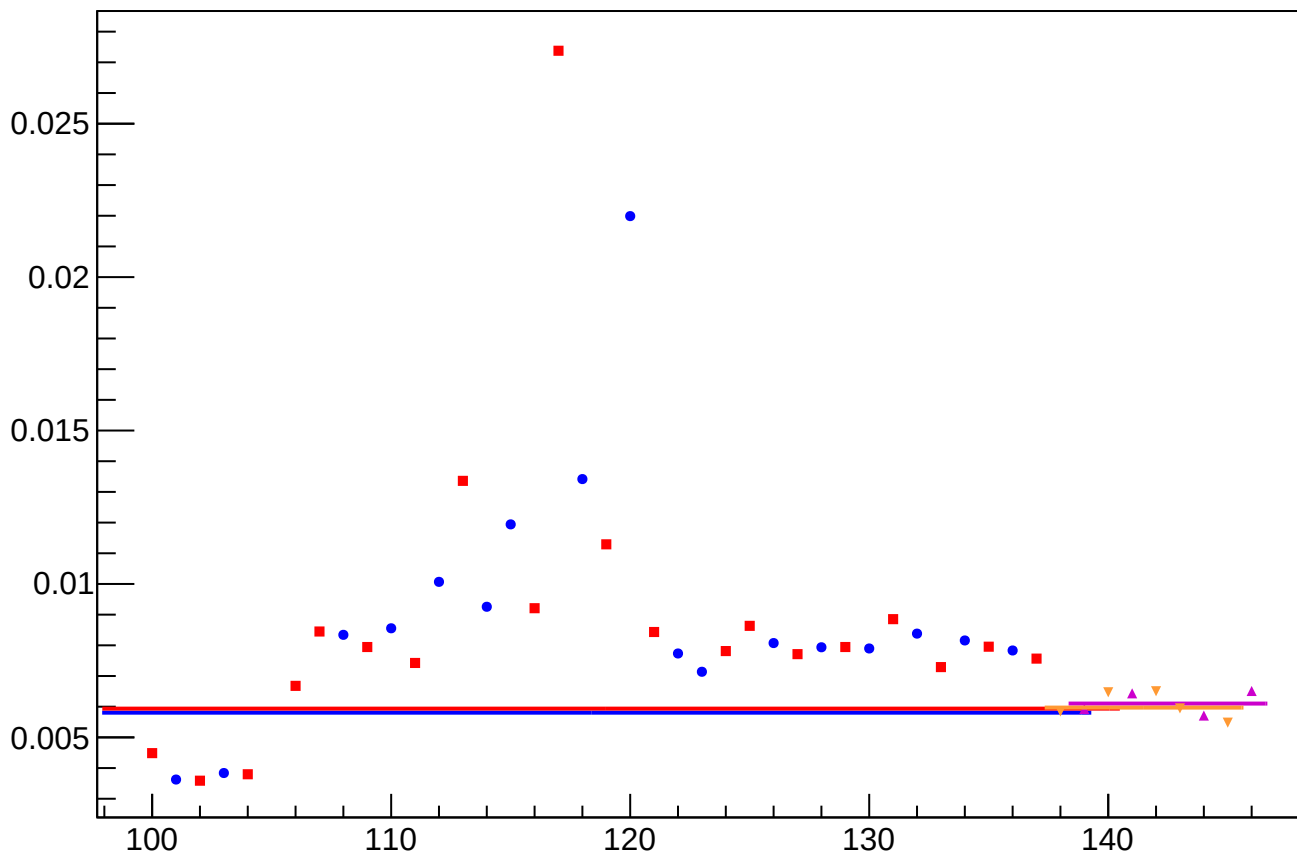
Left In: 0.753 $\pm$ 0.000 χ^2/NDF : 314332823.9/3

1.305 $\pm$ 0.000 χ^2/NDF : 242718925383.5/21

1.350 $\pm$ 0.000 χ^2/NDF : 515273075588.9/21

1.394 $\pm$ 0.000 χ^2/NDF : 271676165879.2/23

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 :23866.3/4

Right Out: 0.006+/-0.000 χ^2/NDF : 1731283.0/19

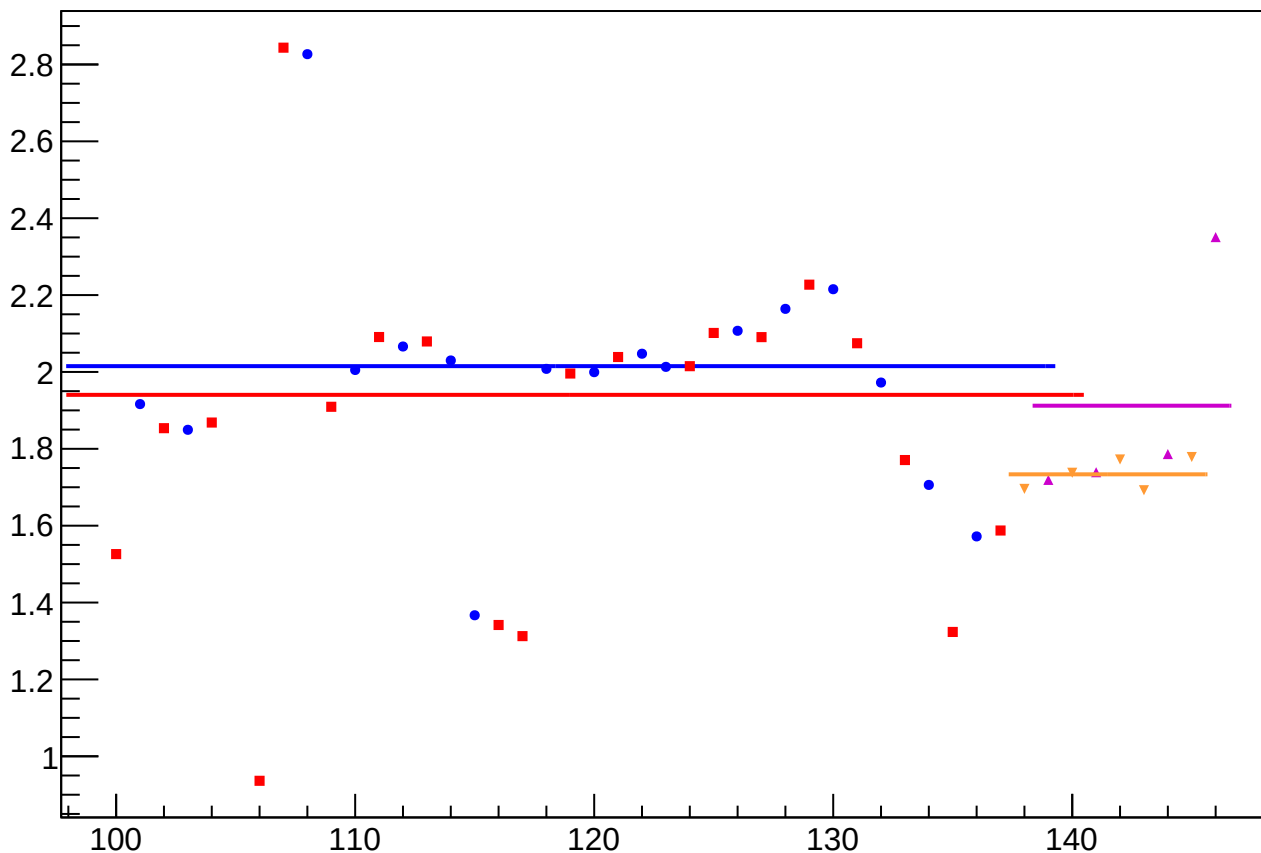
Left In: 0.006+/-0.000 χ^2/NDF :17145.0/3

0.006+/-0.000 χ^2/NDF : 1944615.2/21

0.006+/-0.000 χ^2/NDF : 3699284.1/45

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: 1.734+/-0.000 χ^2/NDF : 58370853.9/4

1.945+/-0.000 χ^2/NDF : 14991652829.6/21

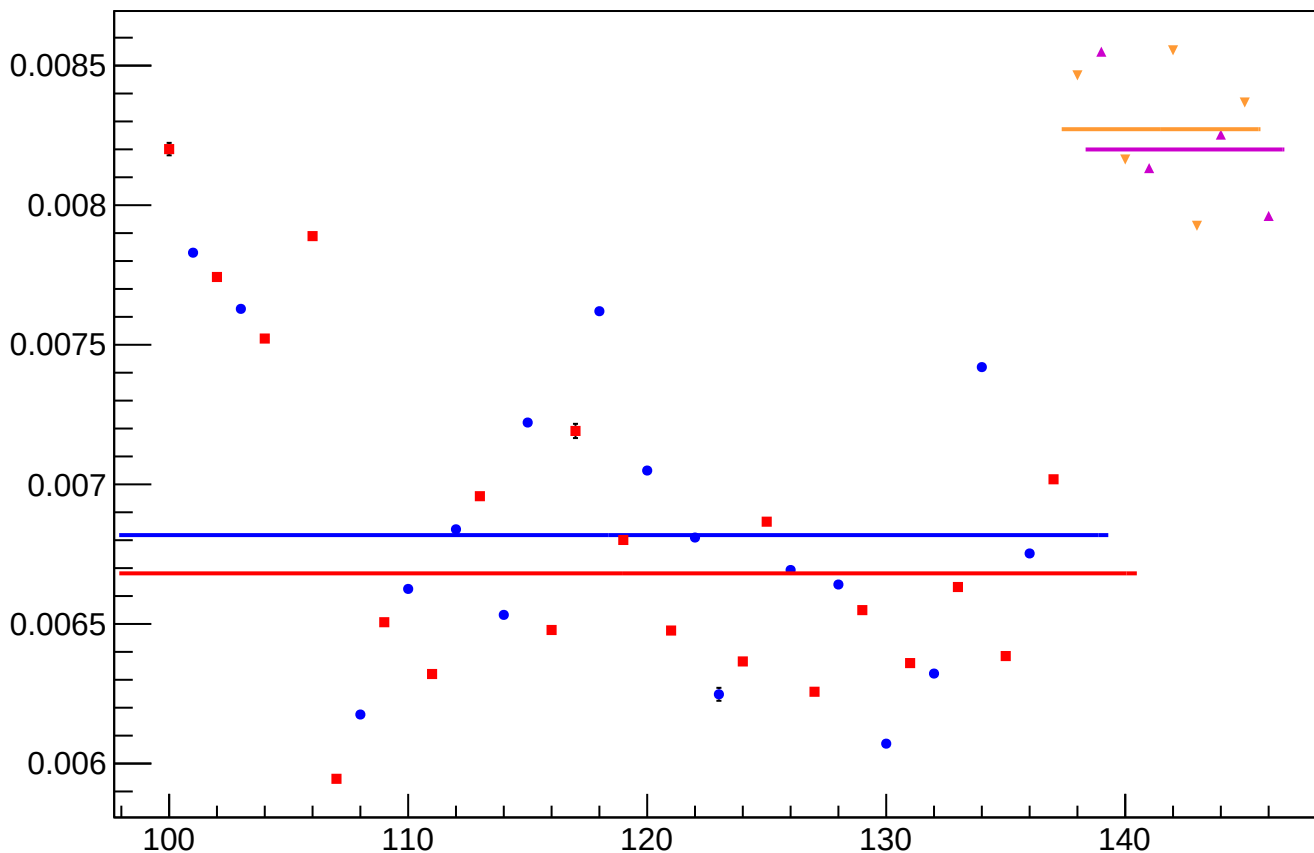
Right Out: 1.940+/-0.000 χ^2/NDF : 21732099424.5/19

1.939+/-0.000 χ^2/NDF : 40005932848.8/4

1.934+/-0.000 χ^2/NDF : 25002959728.1/23

Left In: 1.912+/-0.000 χ^2/NDF : 3242918117.6/3

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 : 4191.9/4

Right Out: 0.007+/-0.000 χ^2/NDF : 76121.2/19

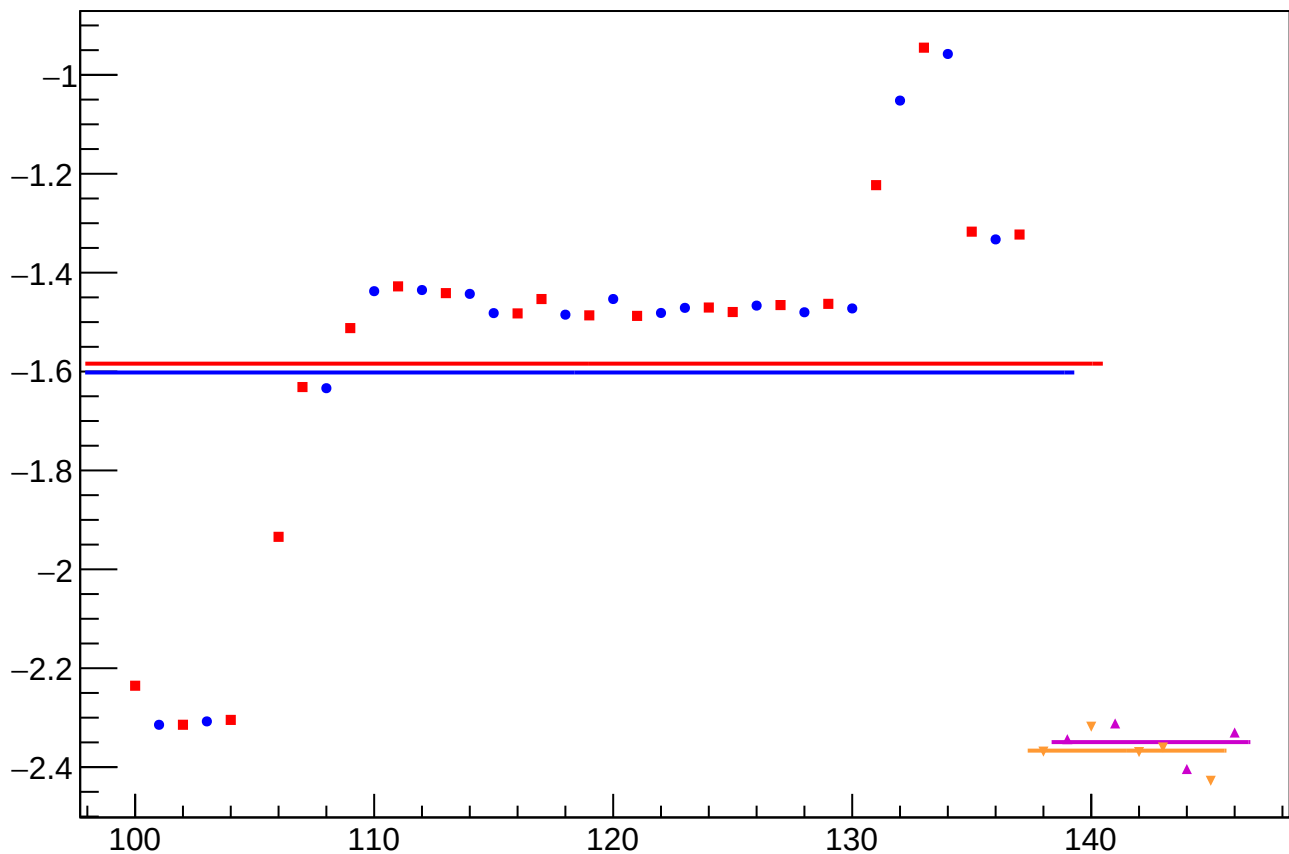
Left In: 0.008+/-0.000 χ^2/NDF : 3733.9/3

0.007+/-0.000 χ^2/NDF : 224340.6/21

0.007+/-0.000 χ^2/NDF : 470171.5/45

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: -2.367+/-0.000 χ^2/NDF : 520184731.2/4

Right Out: -1.584+/-0.000 χ^2/NDF : 143612120137.8/19

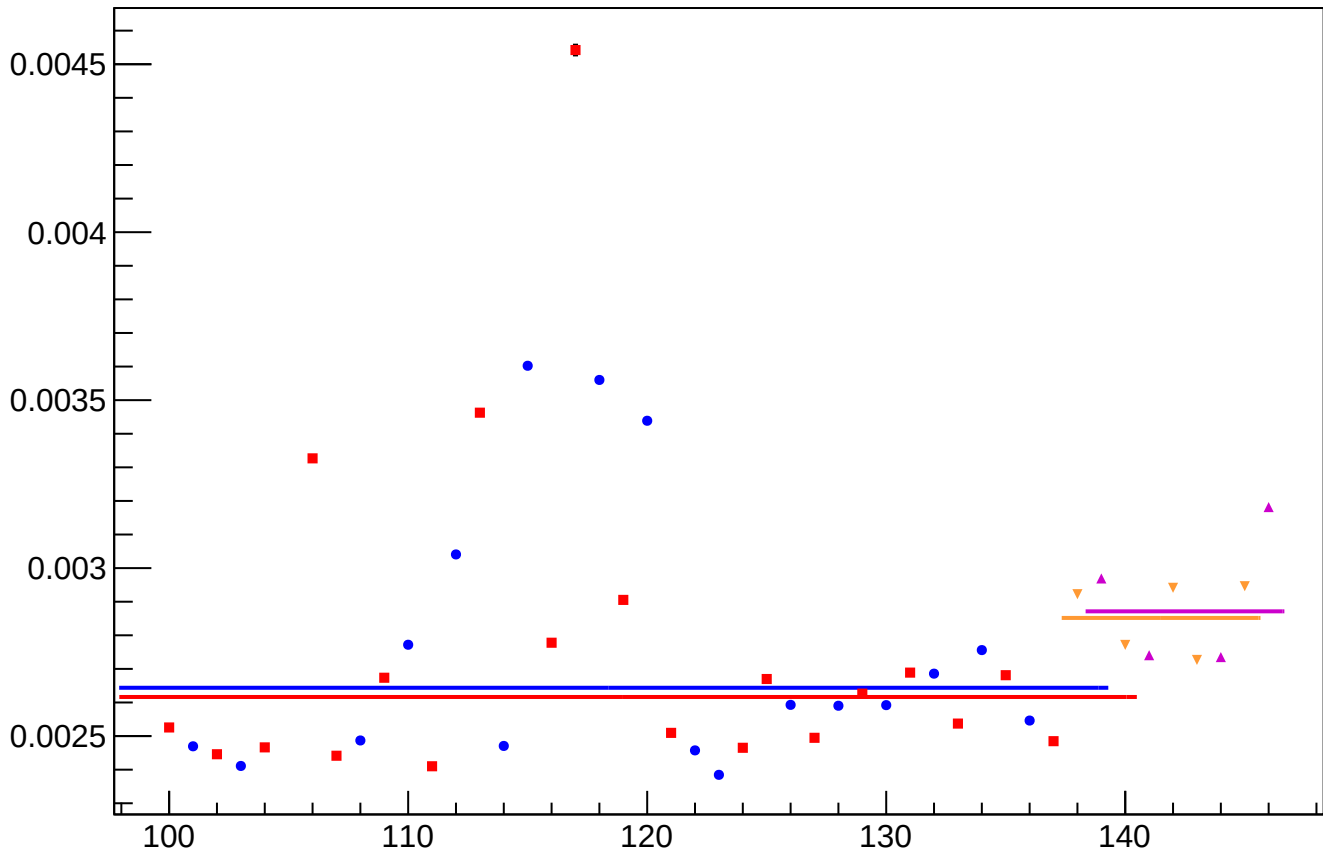
Left In: -2.349+/-0.000 χ^2/NDF : 500445610.5/3

-1.826+/-0.000 χ^2/NDF : 294527623045.8/21

-1.806+/-0.000 χ^2/NDF : 592762927866.6

-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 : 6479.0/4

Right Out: 0.003+/-0.000 χ^2/NDF : 119852.1/19

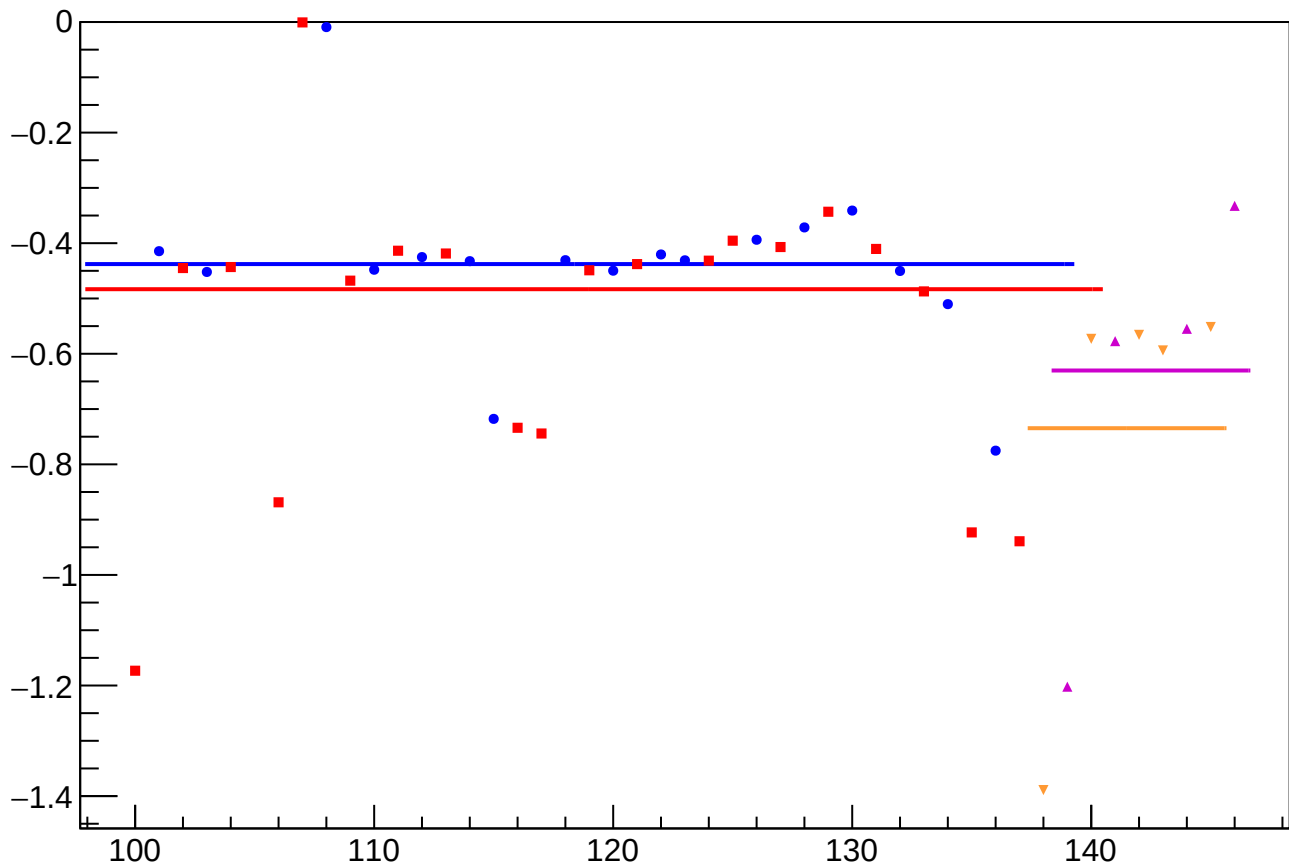
Left In: 0.003+/-0.000 χ^2/NDF : 22466.0/3

0.003+/-0.000 χ^2/NDF : 180594.5/21

0.003+/-0.000 χ^2/NDF : 357440.8/45

0.003+/-0.000 χ^2/NDF : 176312.1/23

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.438+/-0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.735+/-0.000 χ^2/NDF : 1751942973.8/4

Right Out: -0.483+/-0.000 χ^2/NDF : 2714164016.2/19

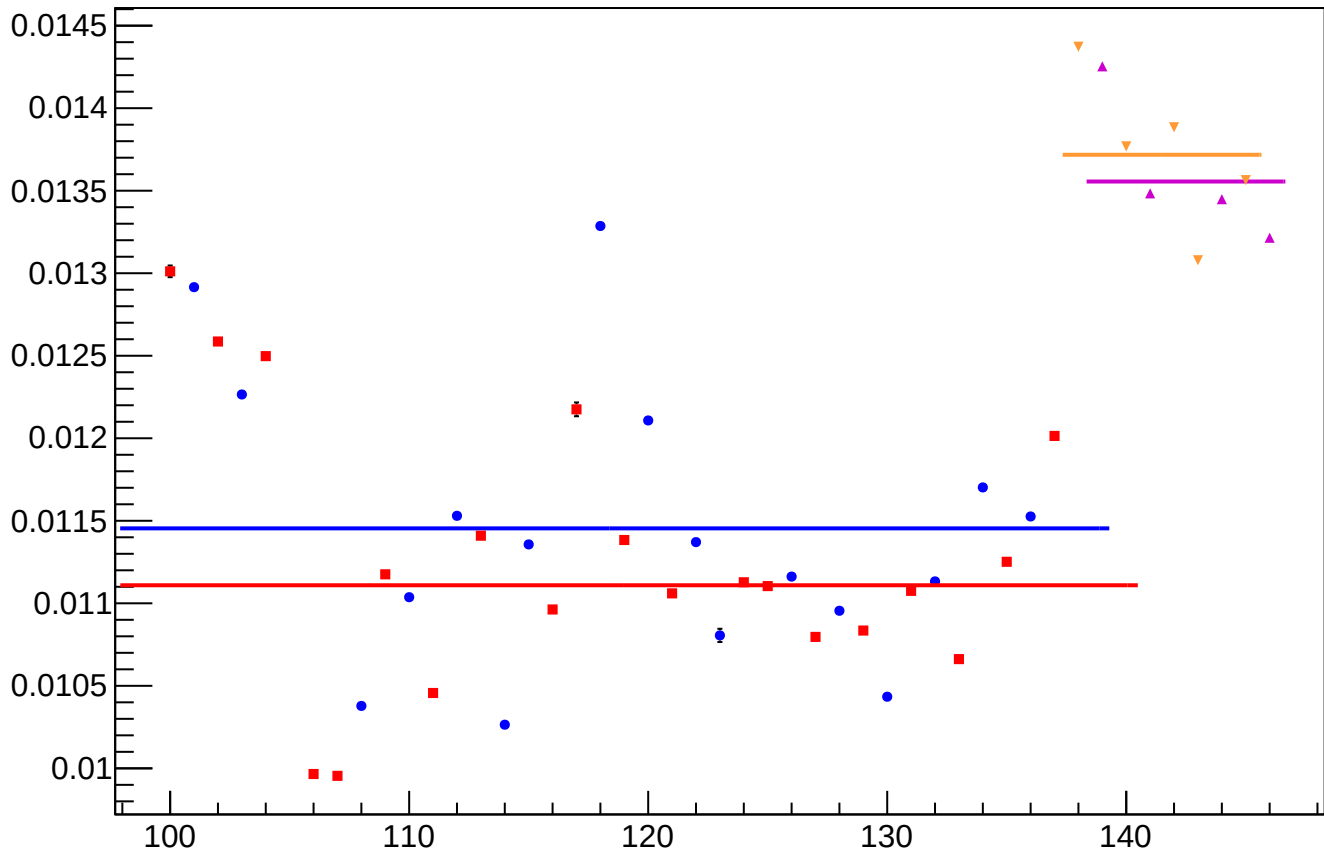
Left In: -0.630+/-0.000 χ^2/NDF : 1465426281.3/3

-0.512+/-0.000 χ^2/NDF : 4293847063.8/21

-0.514+/-0.000 χ^2/NDF : 8748228868.1/45

-0.516+/-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: 0.014+/-0.000 χ^2/NDF : 5778.9/4

Right Out: 0.011+/-0.000 χ^2/NDF : 56696.9/19

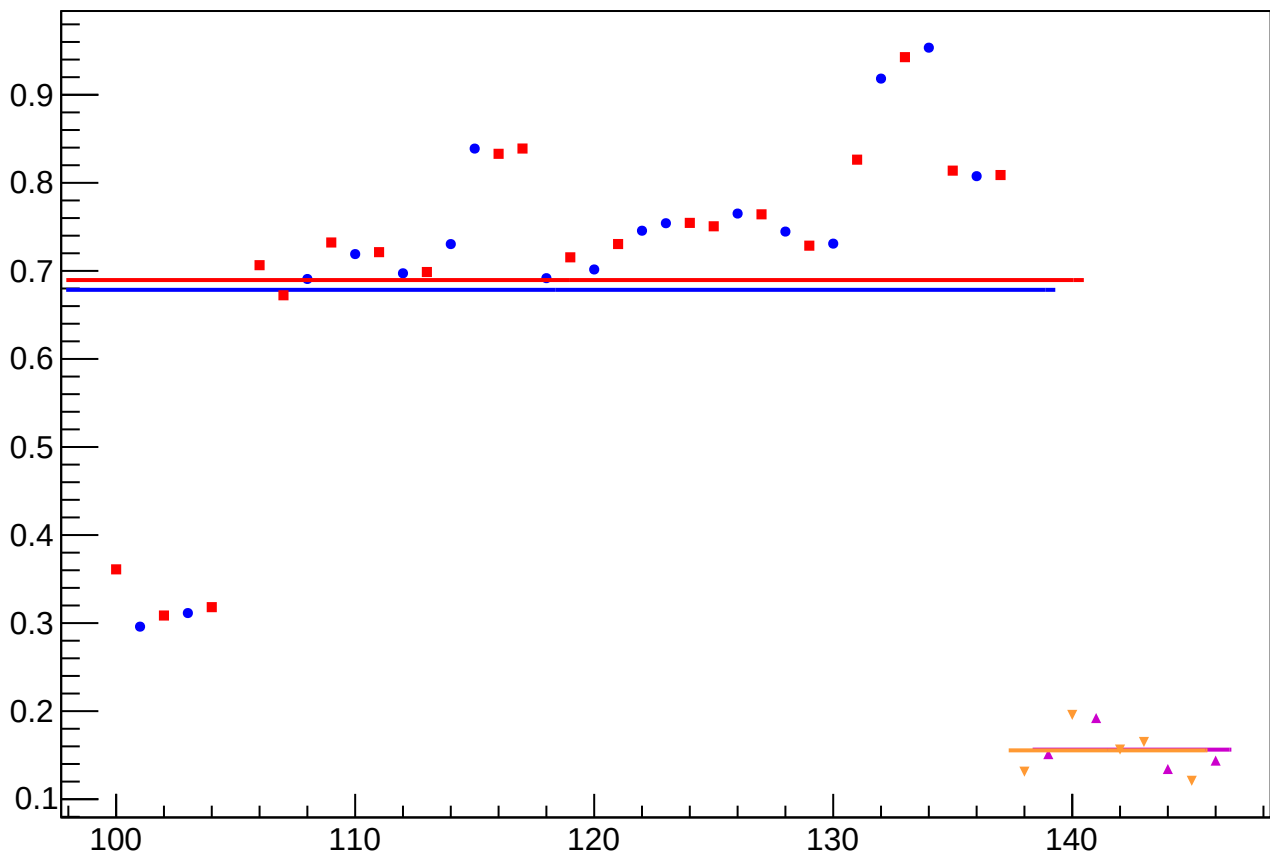
Left In: 0.014+/-0.000 χ^2/NDF : 4264.6/3

0.012+/-0.000 χ^2/NDF : 196019.2/21

0.012+/-0.000 χ^2/NDF : 417571.2/45

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: 0.155 $\pm$ 0.000 χ^2/NDF : 599270470.1/4

Right Out: 0.690 $\pm$ 0.000 χ^2/NDF : 35439496983.3/19

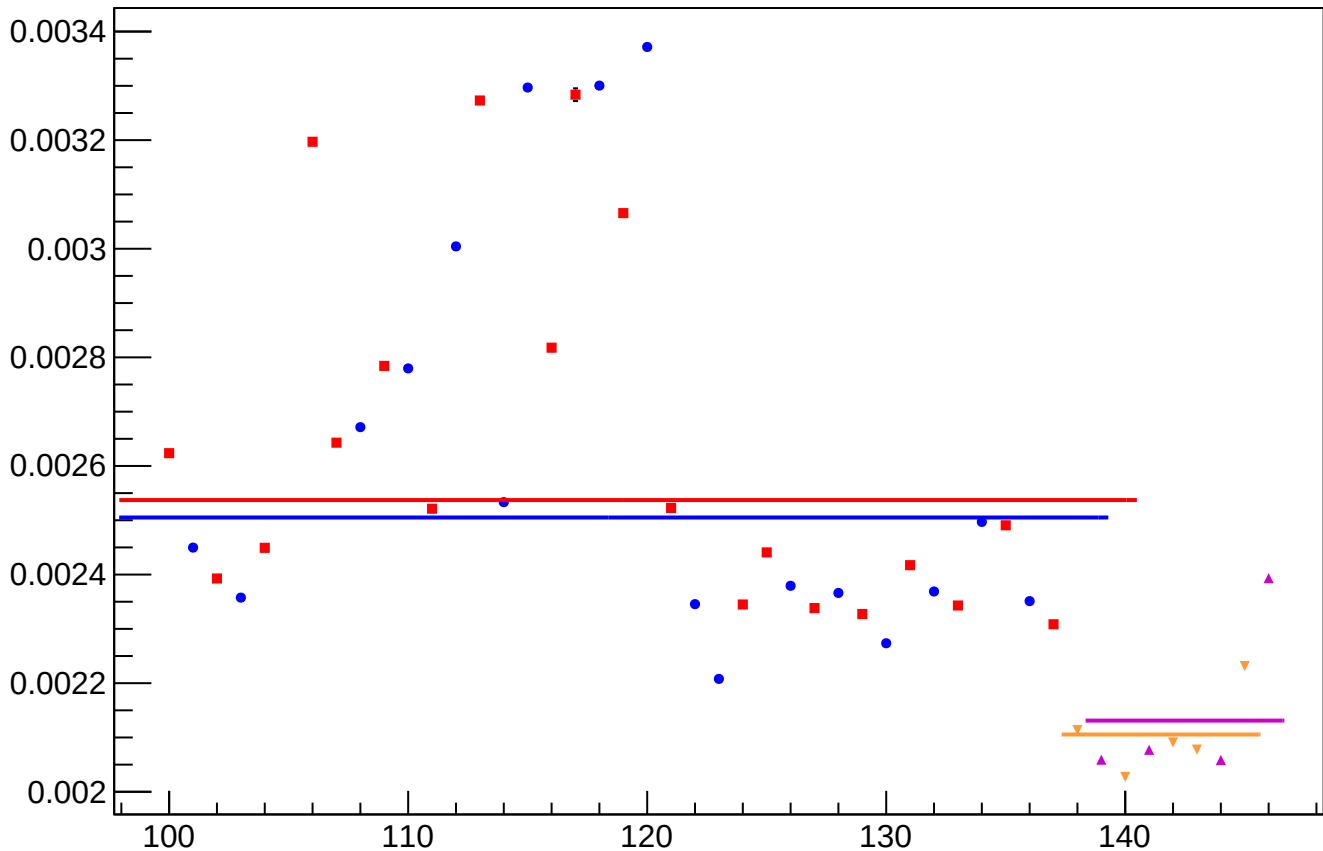
Left In: 0.156 $\pm$ 0.000 χ^2/NDF : 372046808.2/3

0.458 $\pm$ 0.000 χ^2/NDF : 156167900167.4/21

0.468 $\pm$ 0.000 χ^2/NDF : 310921987150.1/21

0.477 $\pm$ 0.000 χ^2/NDF : 154436607485.7/23

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003 $\pm$ 0.000 χ^2/NDF : 175524.0/16

Left Out: 0.002 $\pm$ 0.000 χ^2/NDF : 7388.8/4

Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 135649.7/19

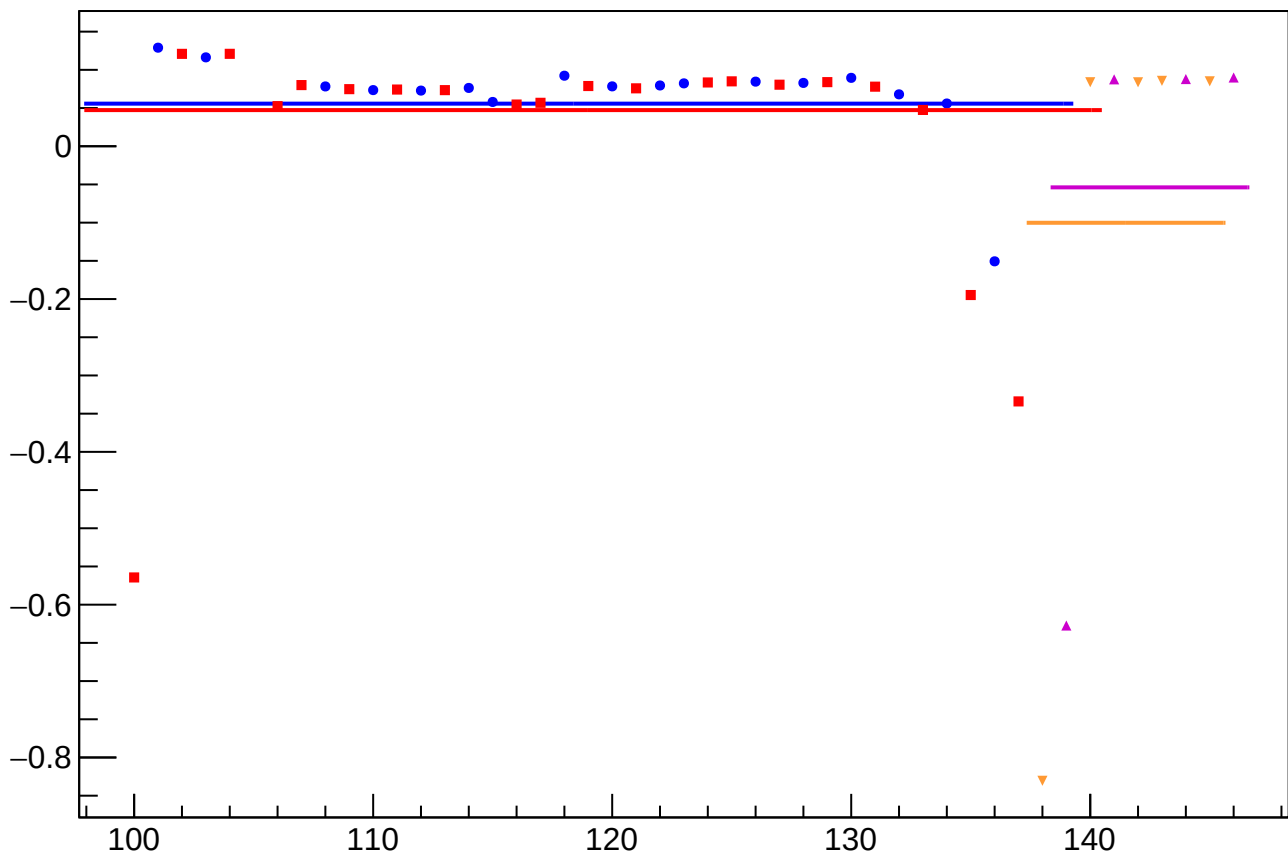
Left In: 0.002 $\pm$ 0.000 χ^2/NDF : 24023.3/3

0.002 $\pm$ 0.000 χ^2/NDF : 319567.4/21

0.002 $\pm$ 0.000 χ^2/NDF : 619414.7/45

0.002 $\pm$ 0.000 χ^2/NDF : 297227.7/23

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.056 $\pm$ 0.000 χ^2 /NDF: 423003688.1/16

Left Out: -0.100 $\pm$ 0.000 χ^2 /NDF: 2703930694.2/4

Right Out: 0.047 $\pm$ 0.000 χ^2 /NDF: 819626031.7/19

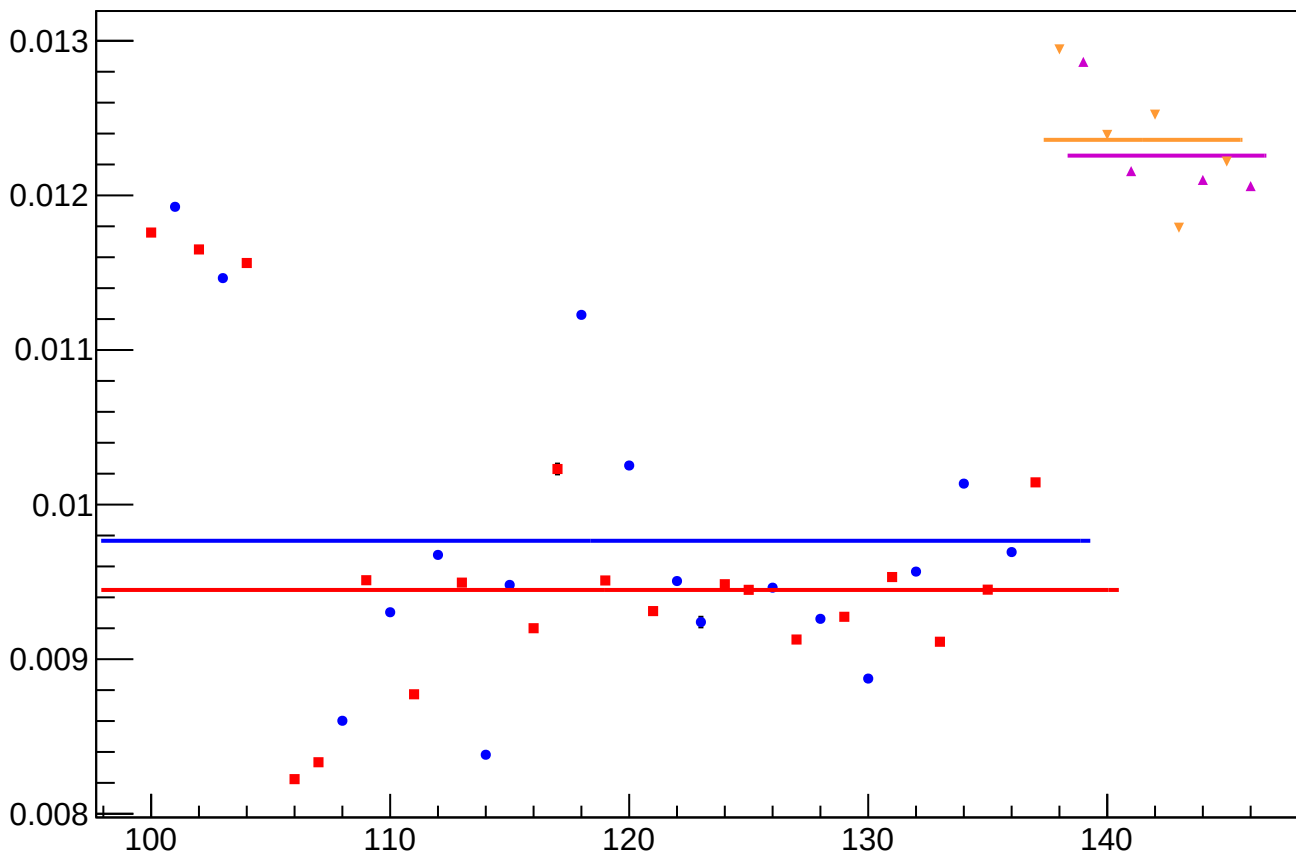
Left In: -0.054 $\pm$ 0.000 χ^2 /NDF: 1626718631.3/3

0.020 $\pm$ 0.000 χ^2 /NDF: 3502591903.8/21

0.024 $\pm$ 0.000 χ^2 /NDF: 6113248685.3/45

0.027 $\pm$ 0.000 χ^2 /NDF: 2608629187.7/23

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010 +/- 0.000 χ^2/NDF : 116638.3/16

Left Out: 0.012 +/- 0.000 χ^2/NDF : 5675.1/4

Right Out: 0.009 +/- 0.000 χ^2/NDF : 111197.0/19

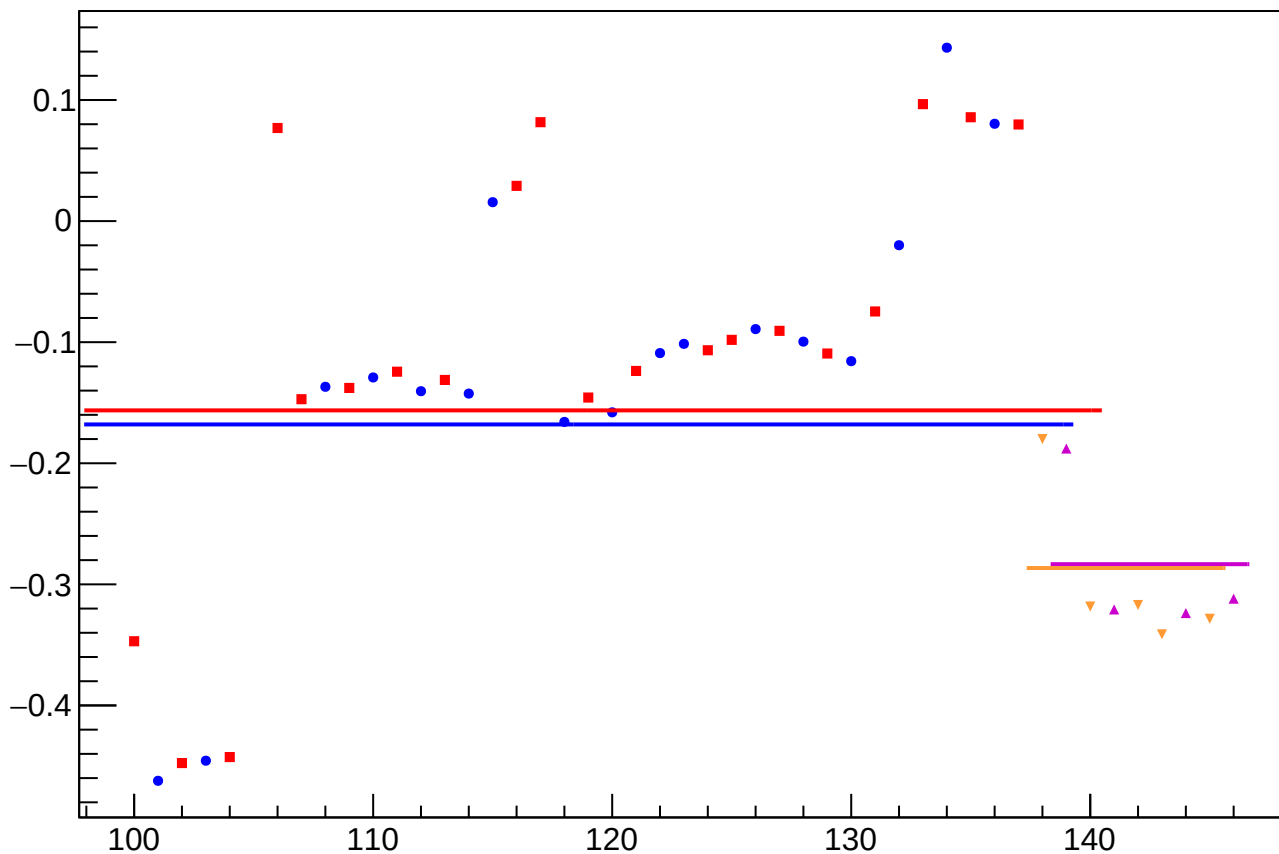
Left In: 0.012 +/- 0.000 χ^2/NDF : 3689.3/3

0.010 +/- 0.000 χ^2/NDF : 330173.5/21

0.010 +/- 0.000 χ^2/NDF : 706162.3/45

0.010 +/- 0.000 χ^2/NDF : 365386.3/23

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.168 $\pm$ 0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.287 $\pm$ 0.000 χ^2/NDF : 1473637065.7/4

Right Out: -0.156 $\pm$ 0.000 χ^2/NDF : 11061140252.3/19

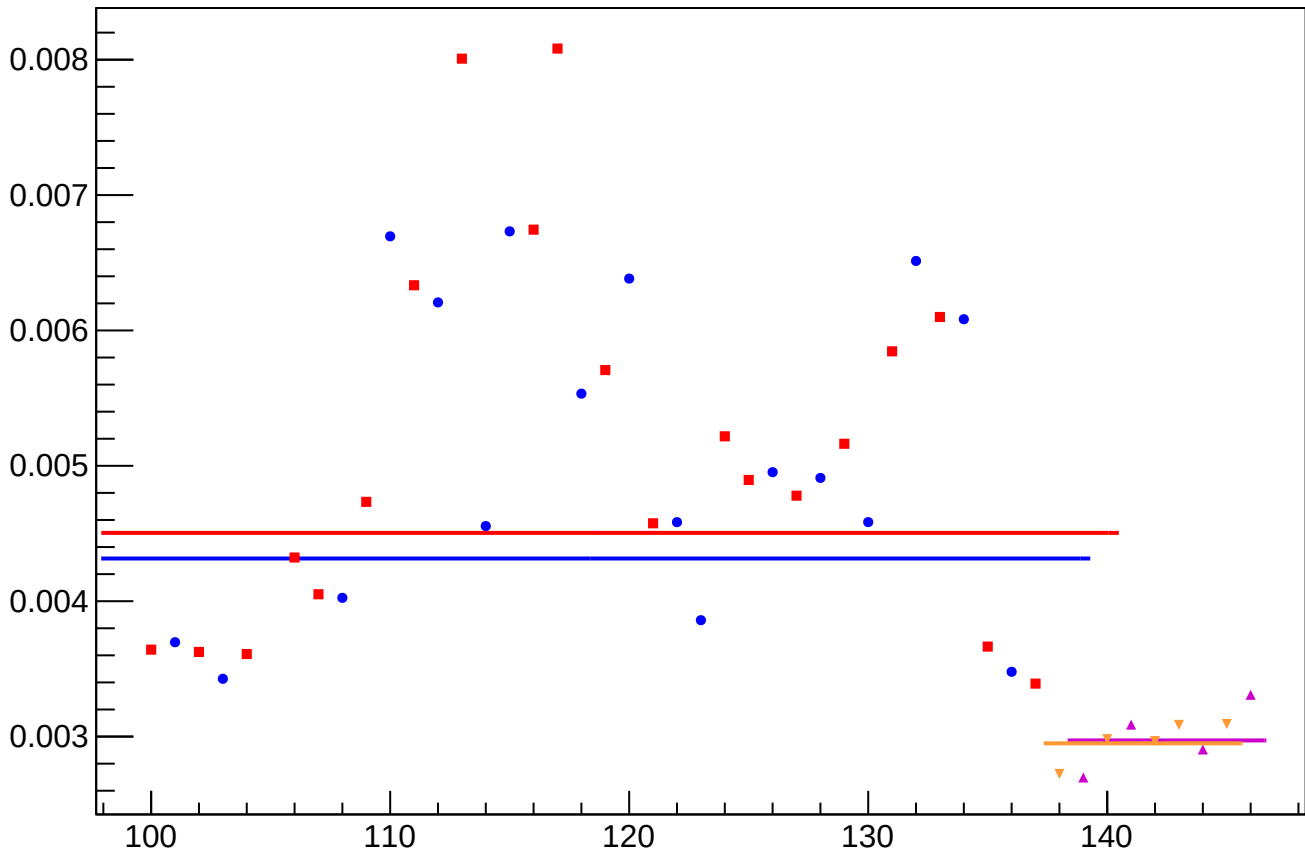
Left In: -0.283 $\pm$ 0.000 χ^2/NDF : 1149328464.7/3

-0.230 $\pm$ 0.000 χ^2/NDF : 16105801166.1/21

-0.226 $\pm$ 0.000 χ^2/NDF : 30911922428.4/4

-0.222 $\pm$ 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 :14738.7/4

Right Out: 0.005 $\pm$ 0.000 χ^2/NDF : 665152.6/19

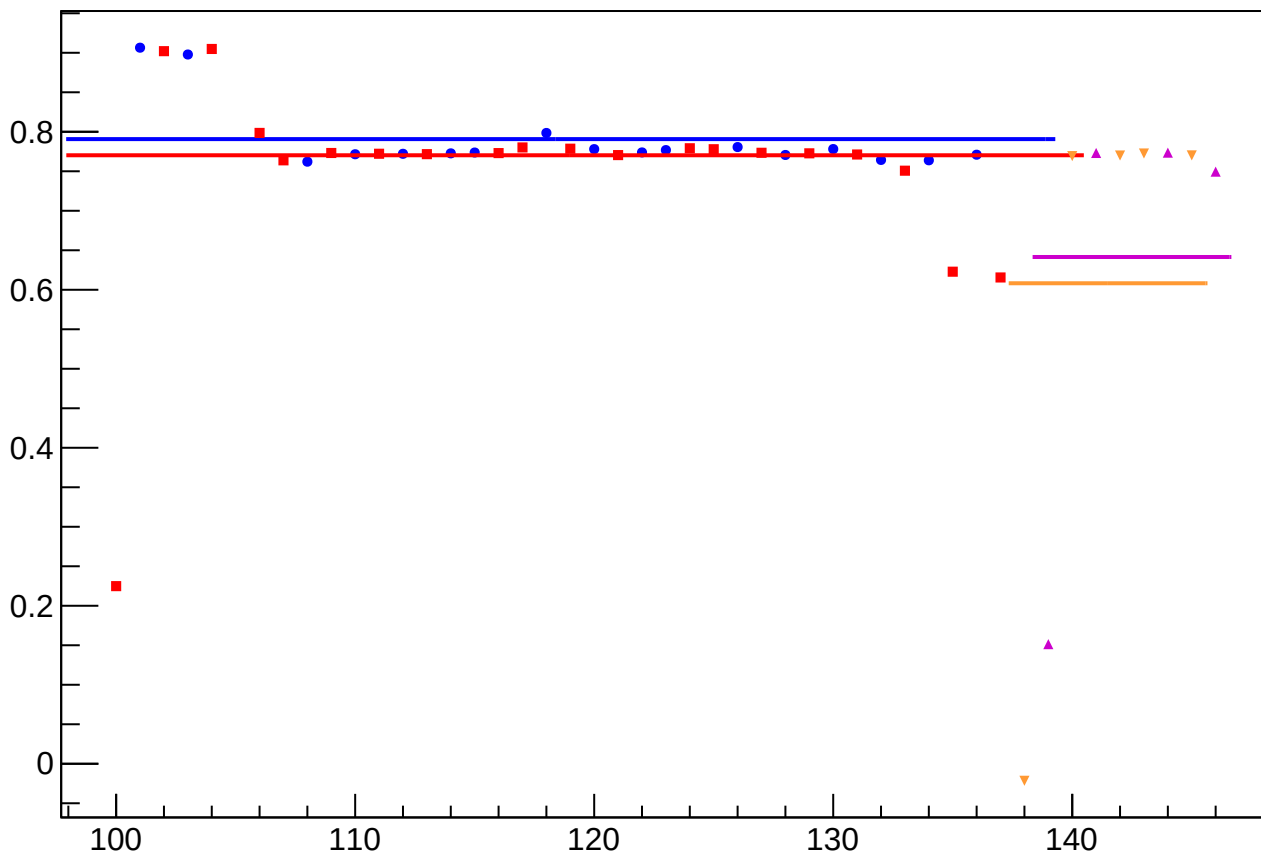
Left In: 0.003 $\pm$ 0.000 χ^2/NDF :31377.8/3

0.004 $\pm$ 0.000 χ^2/NDF : 1244352.0/21

0.004 $\pm$ 0.000 χ^2/NDF : 2699288.5/45

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: 0.608 $\pm$ 0.000 χ^2/NDF : 2200739548.1/4

Right Out: 0.770 $\pm$ 0.000 χ^2/NDF : 375473971.0/19

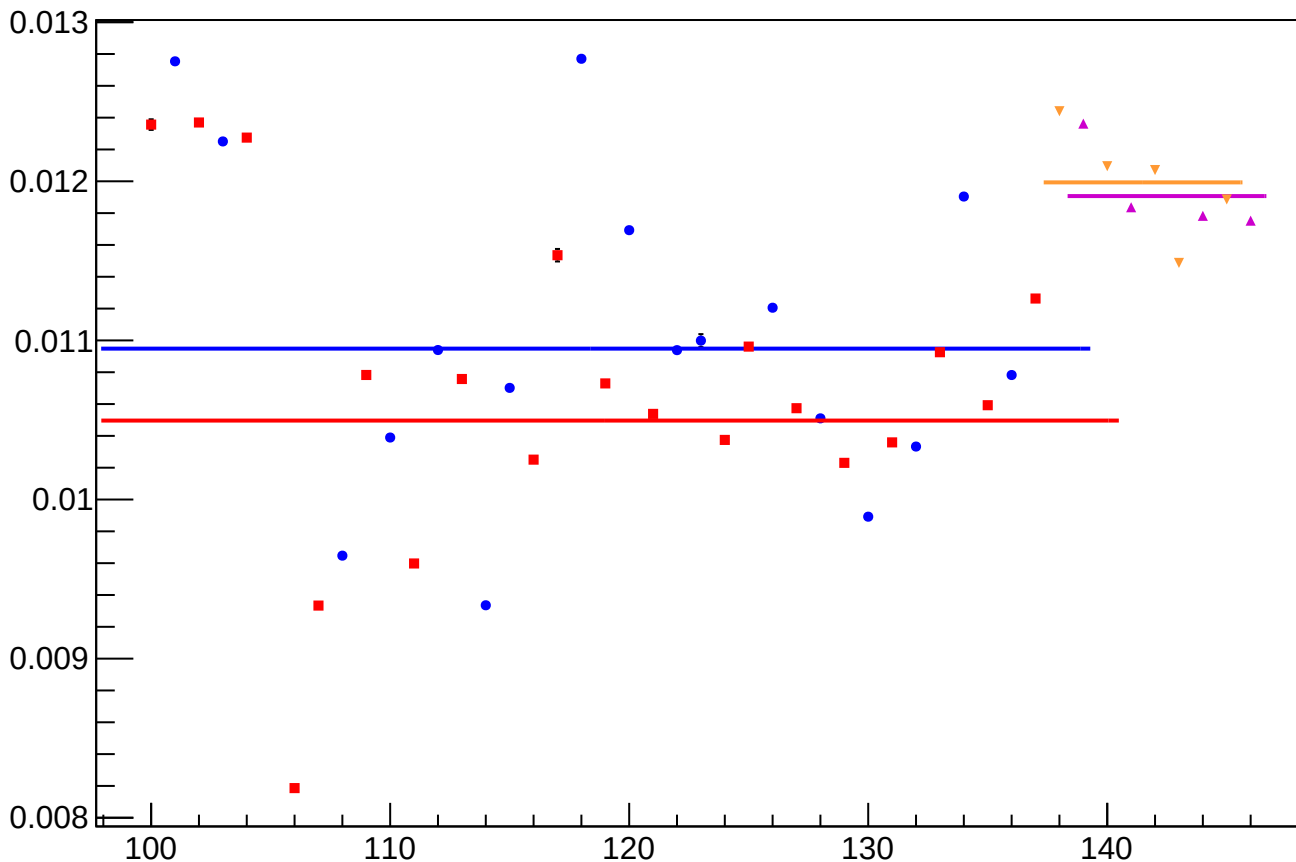
Left In: 0.641 $\pm$ 0.000 χ^2/NDF : 1301037331.5/3

0.739 $\pm$ 0.000 χ^2/NDF : 2819668002.0/21

0.738 $\pm$ 0.000 χ^2/NDF : 4760359535.1/45

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 : 4192.0/4

Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 120120.6/19

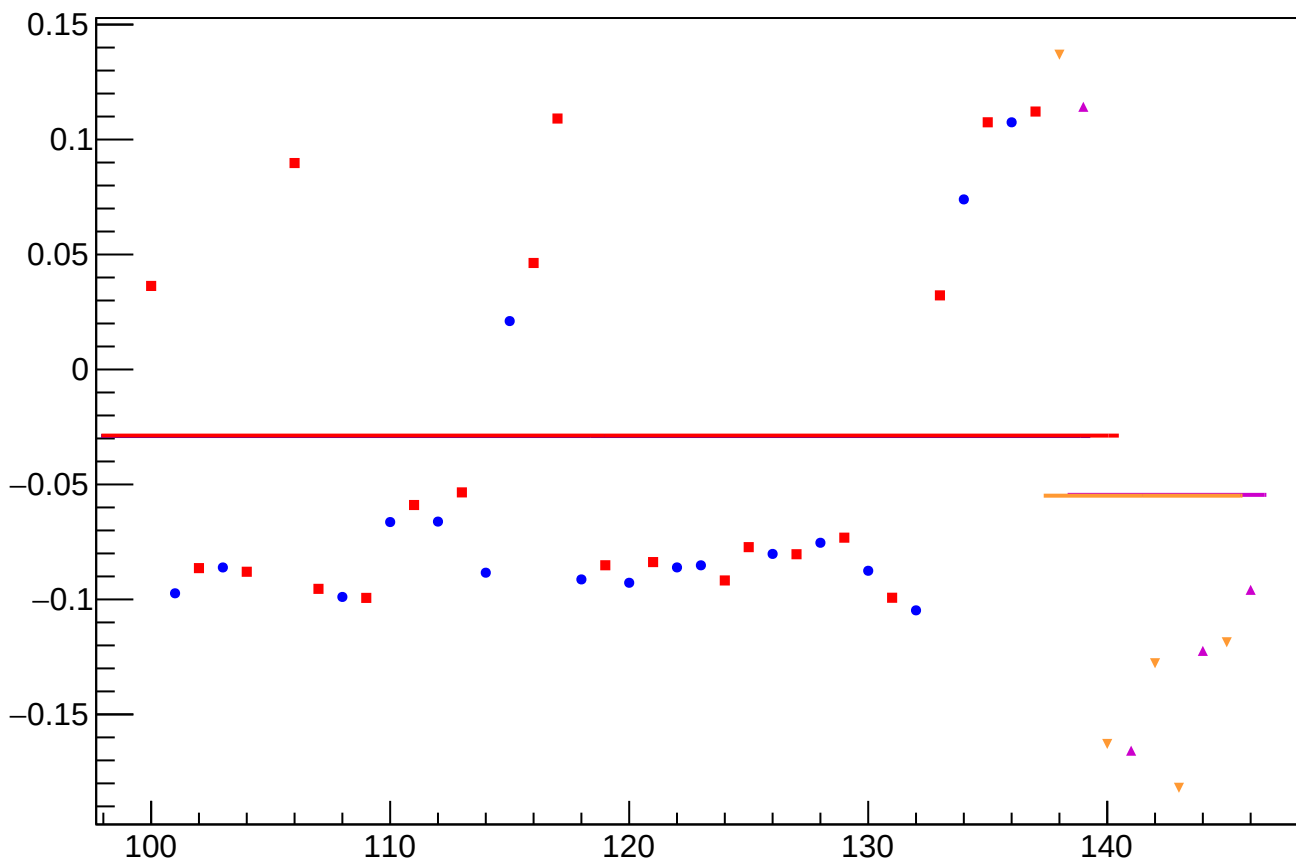
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 2283.8/3

0.011 $\pm$ 0.000 χ^2/NDF : 136324.7/21

0.011 $\pm$ 0.000 χ^2/NDF : 334524.1/45

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: -0.055+/-0.000 χ^2/NDF : 4543983279.8/4

Right Out: -0.029+/-0.000 χ^2/NDF : 2122918772.1/19

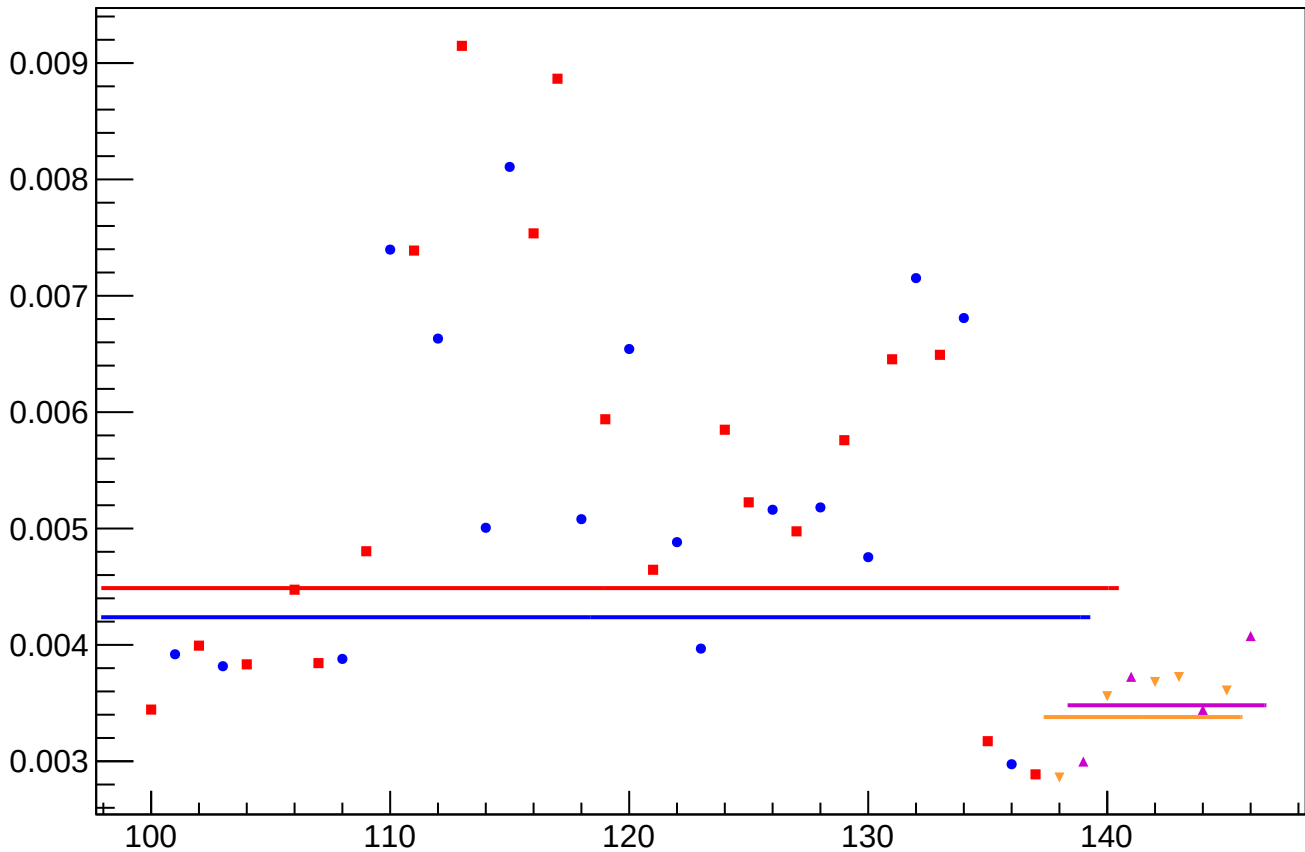
Left In: -0.055+/-0.000 χ^2/NDF : 3065862226.1/3

-0.041+/-0.000 χ^2/NDF : 7082320118.6/21

-0.040+/-0.000 χ^2/NDF : 12356705599.5/4

-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 : 66453.4/4

Right Out: 0.004+/-0.000 χ^2/NDF : 1003473.4/19

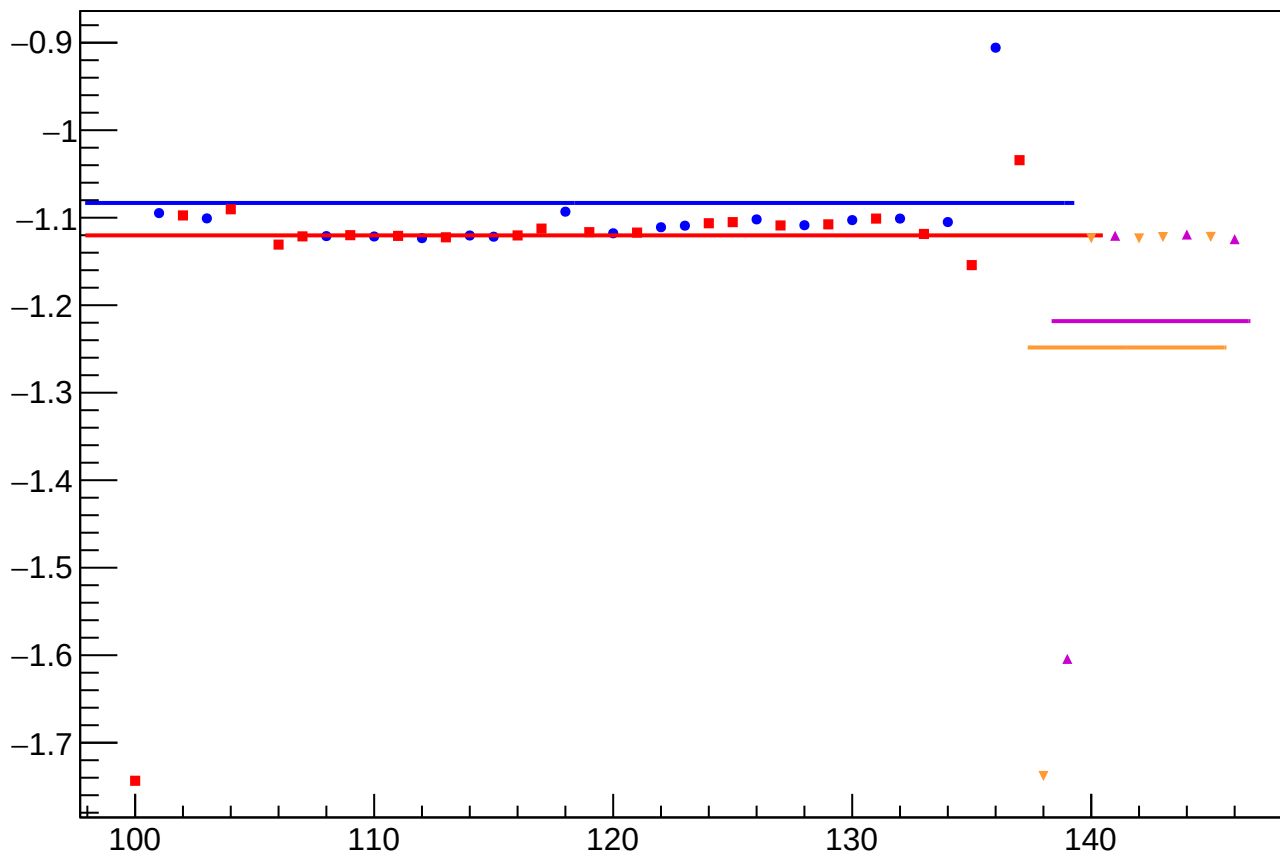
Left In: 0.003+/-0.000 χ^2/NDF : 68653.3/3

0.004+/-0.000 χ^2/NDF : 1150088.3/21

0.004+/-0.000 χ^2/NDF : 2503261.5/45

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: -1.248+/-0.000 χ^2/NDF : 1661123329.7/4

Right Out: -1.120+/-0.000 χ^2/NDF : 220586820.0/19

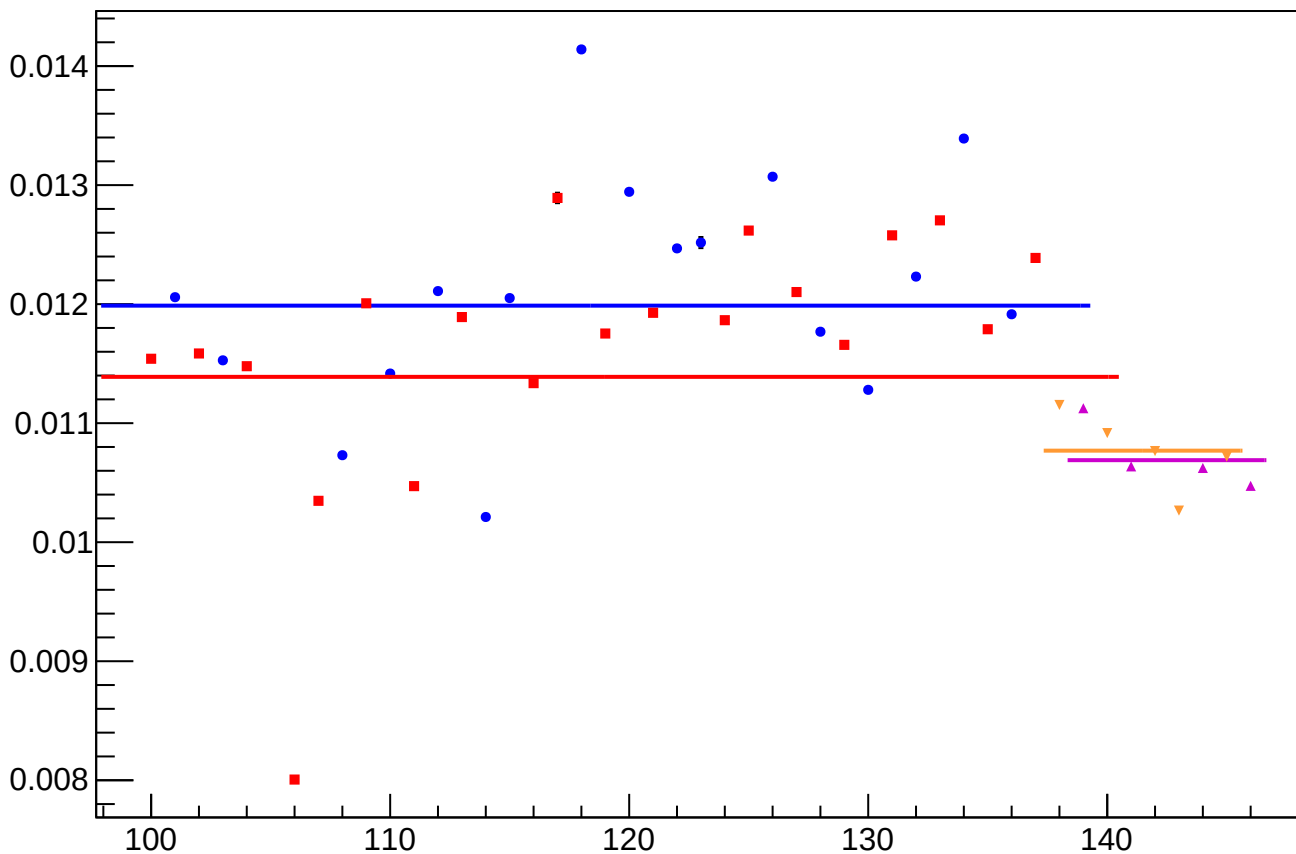
Left In: -1.218+/-0.000 χ^2/NDF : 996236141.5/3

-1.145+/-0.000 χ^2/NDF : 2323790515.0/21

-1.149+/-0.000 χ^2/NDF : 3713306800.2/45

-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: 0.011 $\pm$ 0.000 χ^2/NDF : 4652.9/4

Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 155700.3/19

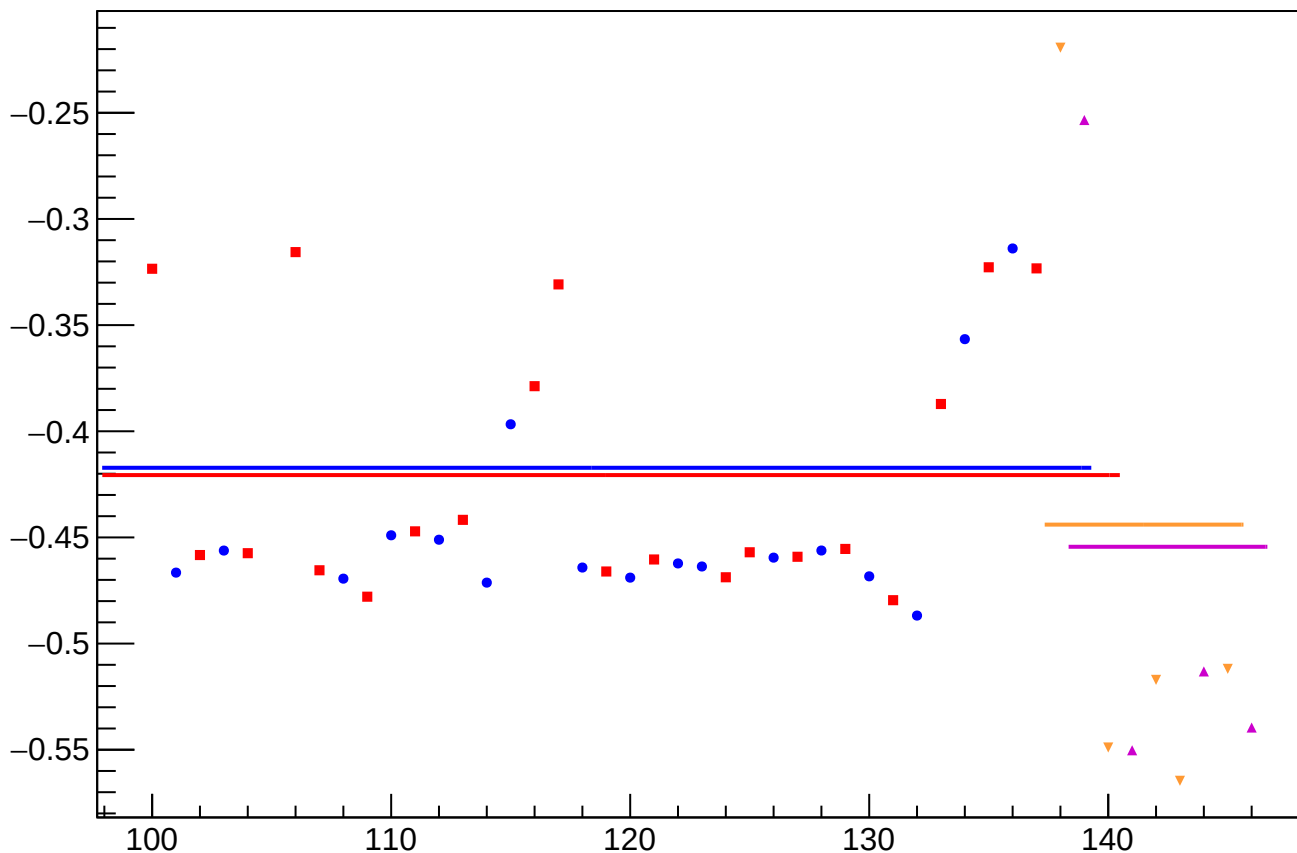
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 2777.3/3

0.012 $\pm$ 0.000 χ^2/NDF : 115076.8/21

0.011 $\pm$ 0.000 χ^2/NDF : 301519.4/45

0.011 $\pm$ 0.000 χ^2/NDF : 175874.7/23

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.417 $\pm$ 0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.444 $\pm$ 0.000 χ^2/NDF : 4375193080.7/4

Right Out: -0.421 $\pm$ 0.000 χ^2/NDF : 1652792044.5/19

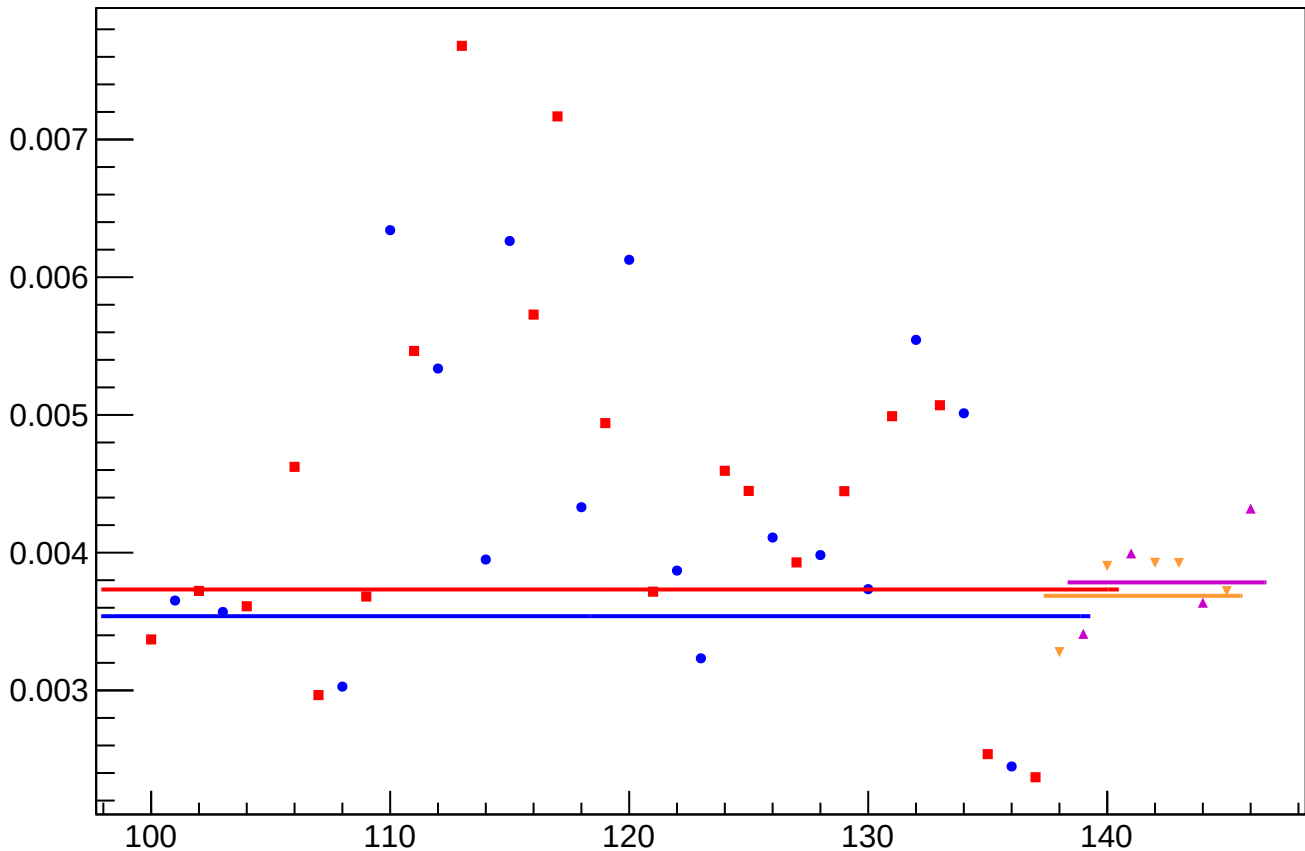
Left In: -0.454 $\pm$ 0.000 χ^2/NDF : 3082806833.0/3

-0.426 $\pm$ 0.000 χ^2/NDF : 6515886445.9/21

-0.429 $\pm$ 0.000 χ^2/NDF : 11412688136.4/4

-0.431 $\pm$ 0.000 χ^2/NDF : 4887738485.2/23

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 836154.0/16

Left Out: 0.004+/-0.000 χ^2/NDF : 31083.8/4

Right Out: 0.004+/-0.000 χ^2/NDF : 916963.6/19

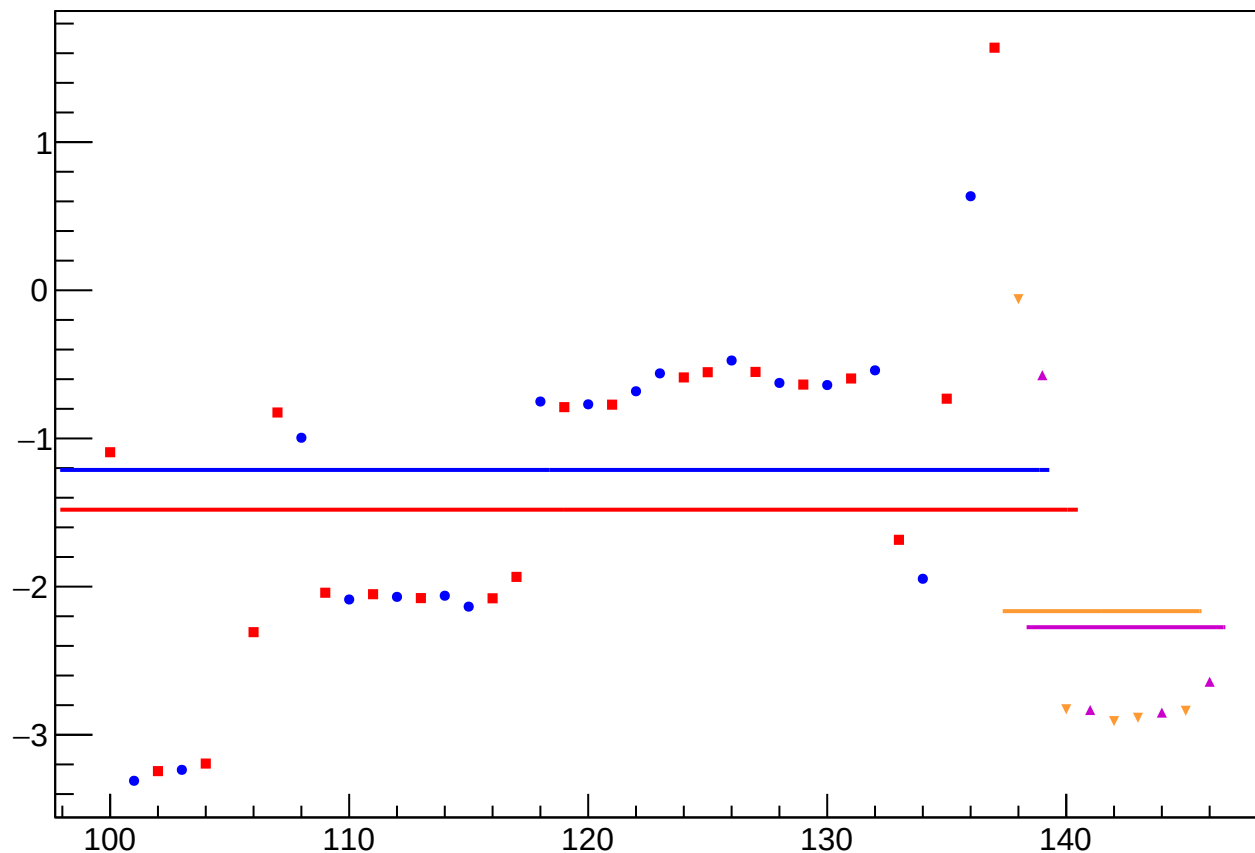
Left In: 0.004+/-0.000 χ^2/NDF : 42368.0/3

0.004+/-0.000 χ^2/NDF : 873458.1/21

0.004+/-0.000 χ^2/NDF : 1850021.1/45

0.004+/-0.000 χ^2/NDF : 960039.6/23

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.212+/-0.000 χ^2/NDF : 1992853443.9/16

Left Out: -2.165+/-0.000 χ^2/NDF : 836846636.3/4

Right Out: -1.481+/-0.000 χ^2/NDF : 1579722113.8/19

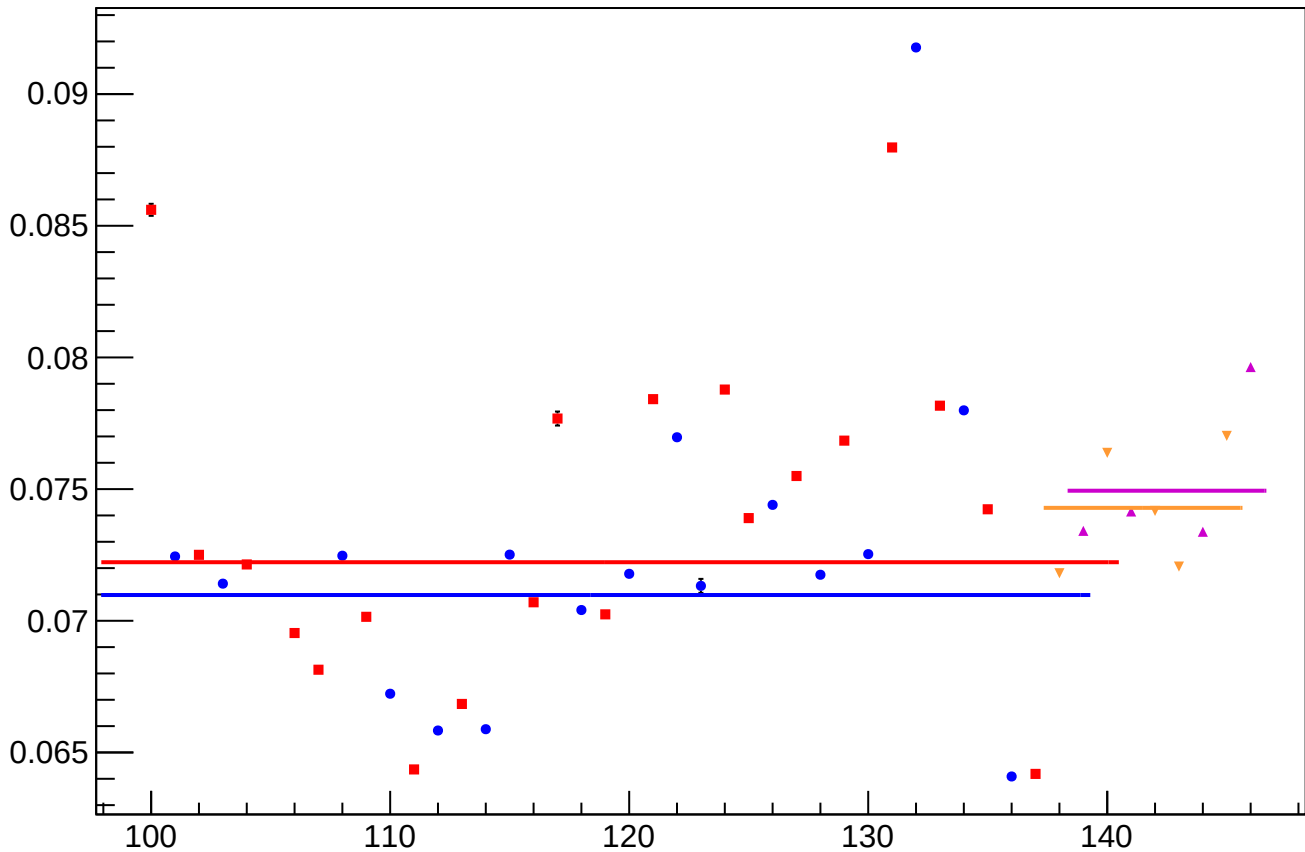
Left In: -2.274+/-0.000 χ^2/NDF : 476941992.3/3

-1.503+/-0.000 χ^2/NDF : 3191422346.7/21

-1.607+/-0.000 χ^2/NDF : 5531475085.1/4

-1.709+/-0.000 χ^2/NDF : 2300067644.3/23

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.071 $\pm$ 0.000 χ^2/NDF : 77589.5/16

Left Out: 0.074 $\pm$ 0.000 χ^2/NDF : 5763.6/4

Right Out: 0.072 $\pm$ 0.000 χ^2/NDF : 73650.9/19

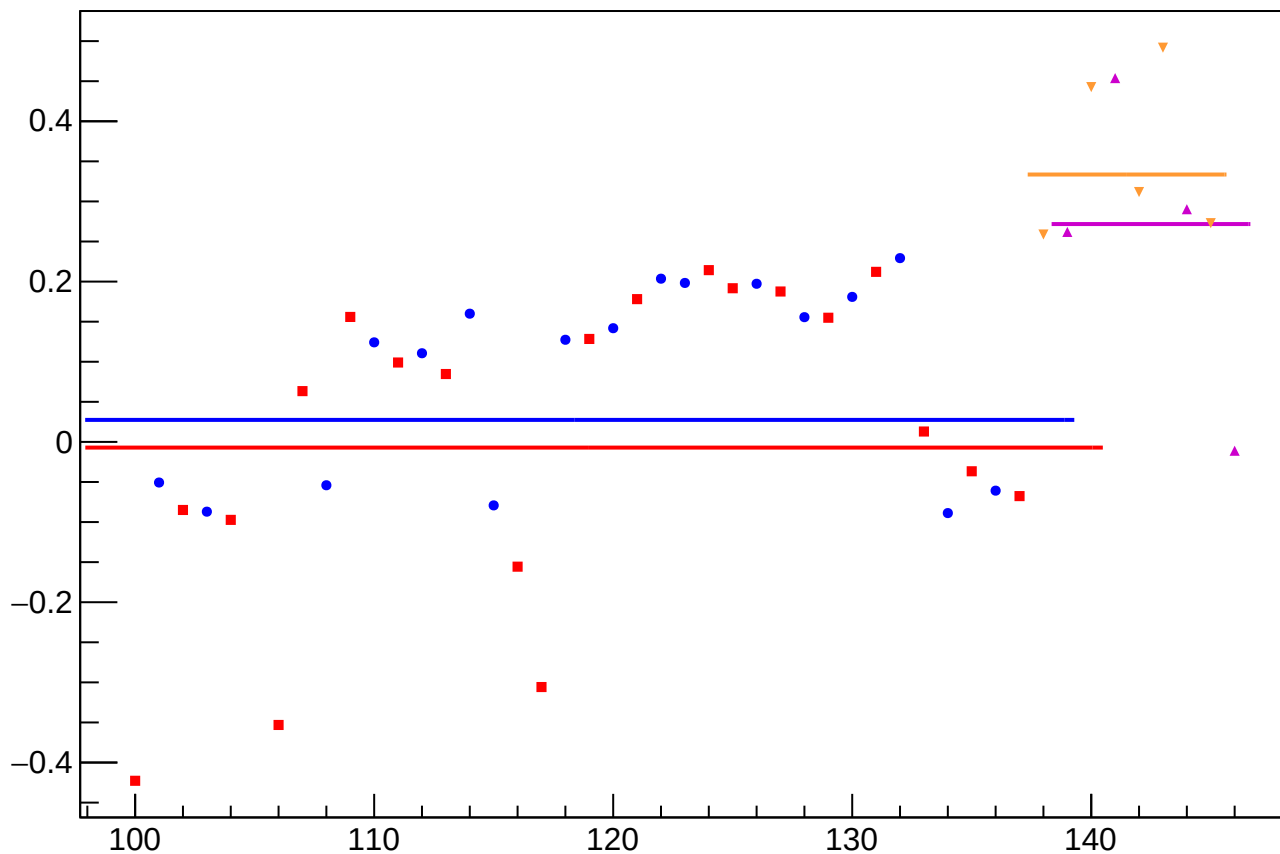
Left In: 0.075 $\pm$ 0.000 χ^2/NDF : 6662.4/3

0.072 $\pm$ 0.000 χ^2/NDF : 92077.0/21

0.072 $\pm$ 0.000 χ^2/NDF : 180045.9/45

0.073 $\pm$ 0.000 χ^2/NDF : 86018.9/23

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 0.027 ± 0.000 χ^2/NDF : 562337631.4/16

Left Out: 0.334 ± 0.000 χ^2/NDF : 374699130.3/4

Right Out: -0.007 ± 0.000 χ^2/NDF : 1207003891.2/19

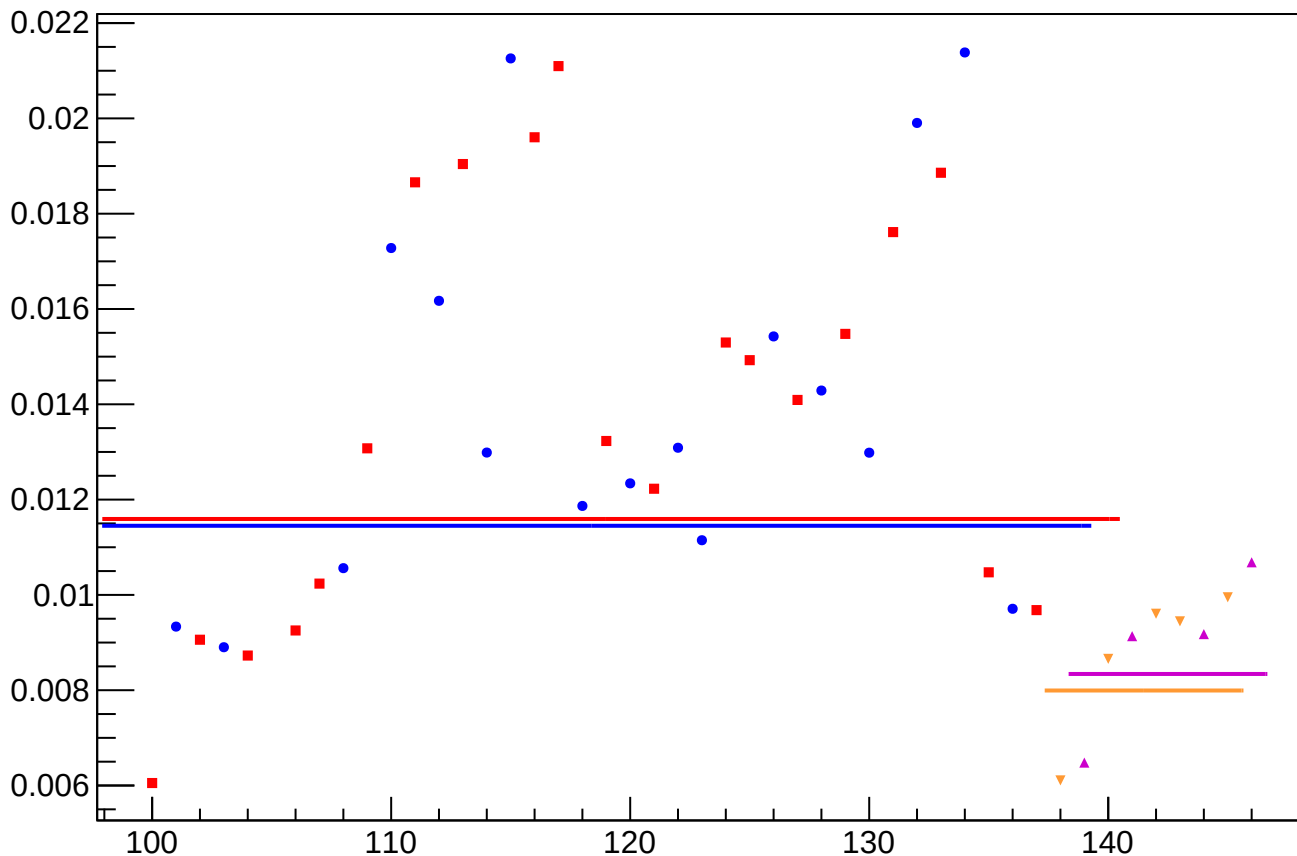
Left In: 0.272 ± 0.000 χ^2/NDF : 764302461.0/3

0.180 ± 0.000 χ^2/NDF : 2984939551.1/21

0.153 ± 0.000 χ^2/NDF : 6710493393.0/45

0.124 ± 0.000 χ^2/NDF : 3589732730.2/23

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.011 $\pm$ 0.000 χ^2/NDF : 679628.0/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 234048.0/4

Right Out: 0.012 $\pm$ 0.000 χ^2/NDF : 1012799.2/19

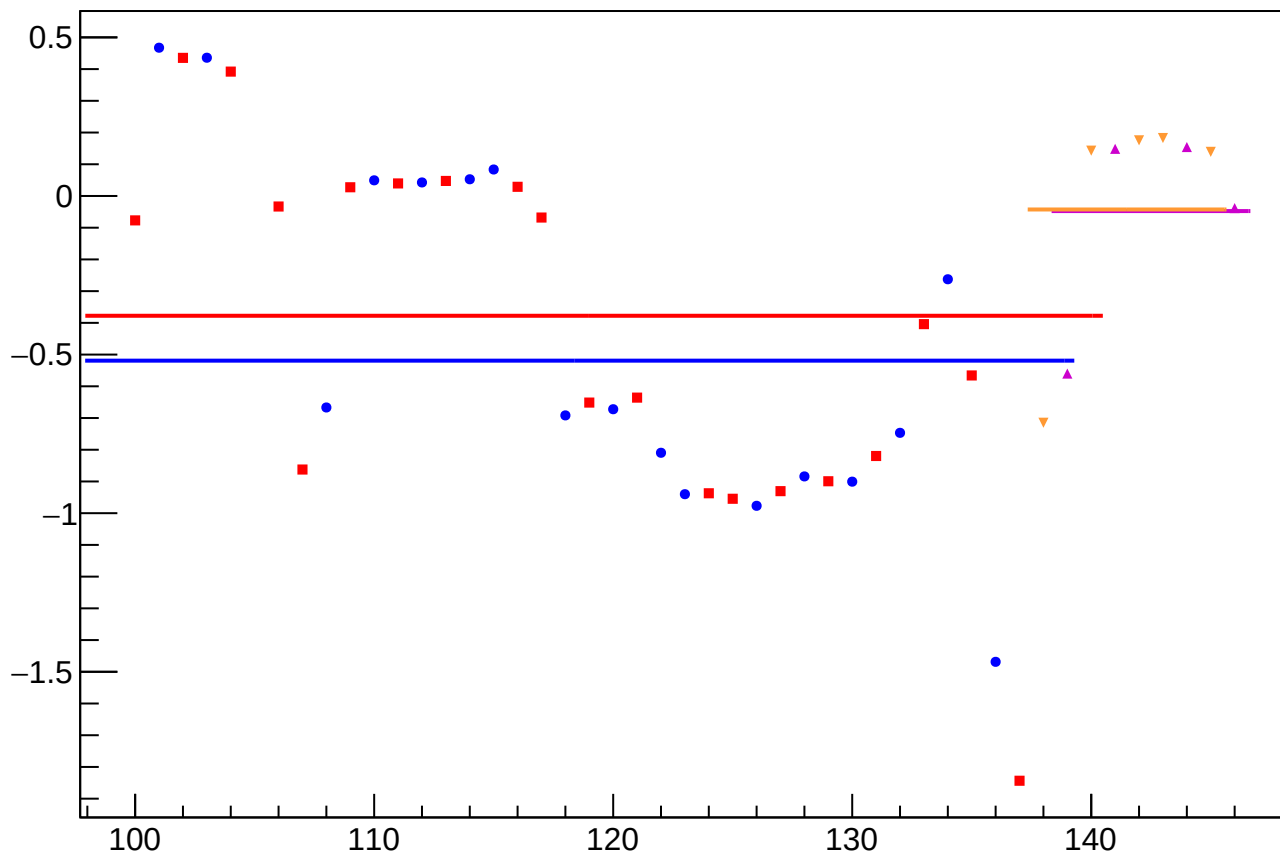
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 193484.6/3

0.010 $\pm$ 0.000 χ^2/NDF : 1435995.1/21

0.010 $\pm$ 0.000 χ^2/NDF : 3092547.5/45

0.010 $\pm$ 0.000 χ^2/NDF : 1646629.2/23

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.519+/-0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.043+/-0.000 χ^2/NDF : 60624335.3/4

Right Out: -0.378+/-0.000 χ^2/NDF : 269130827.6/19

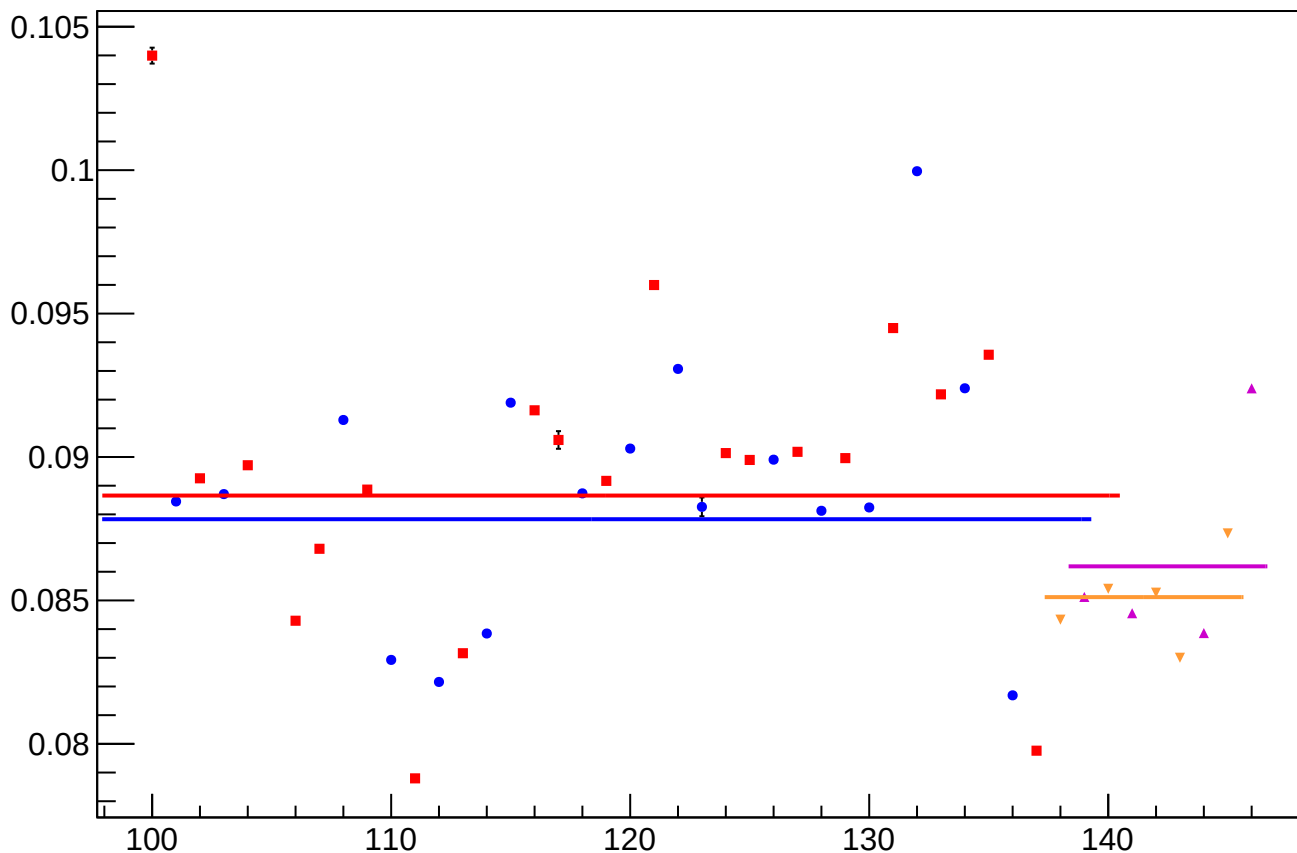
Left In: -0.048+/-0.000 χ^2/NDF : 34040029.6/3

-0.356+/-0.000 χ^2/NDF : 467374915.6/21

-0.314+/-0.000 χ^2/NDF : 806567933.4/45

-0.273+/-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 : 1874.4/4

Right Out: 0.089 $\pm$ 0.000 χ^2/NDF : 39762.8/19

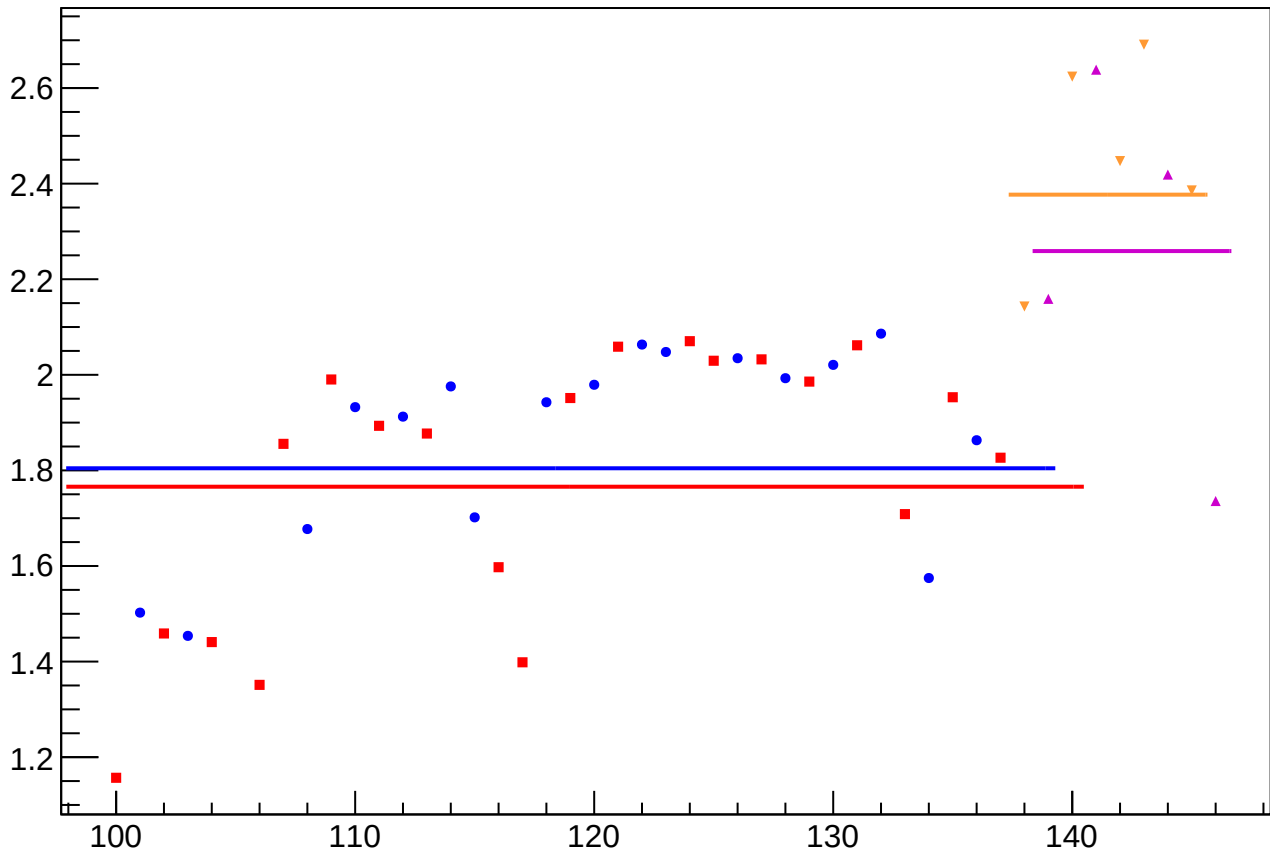
Left In: 0.086 $\pm$ 0.000 χ^2/NDF : 9234.9/3

0.087 $\pm$ 0.000 χ^2/NDF : 41204.9/21

0.087 $\pm$ 0.000 χ^2/NDF : 94964.1/45

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: 2.377+/-0.000 χ^2/NDF : 1171249031.7/4

Right Out: 1.766+/-0.000 χ^2/NDF : 1717275187.7/19

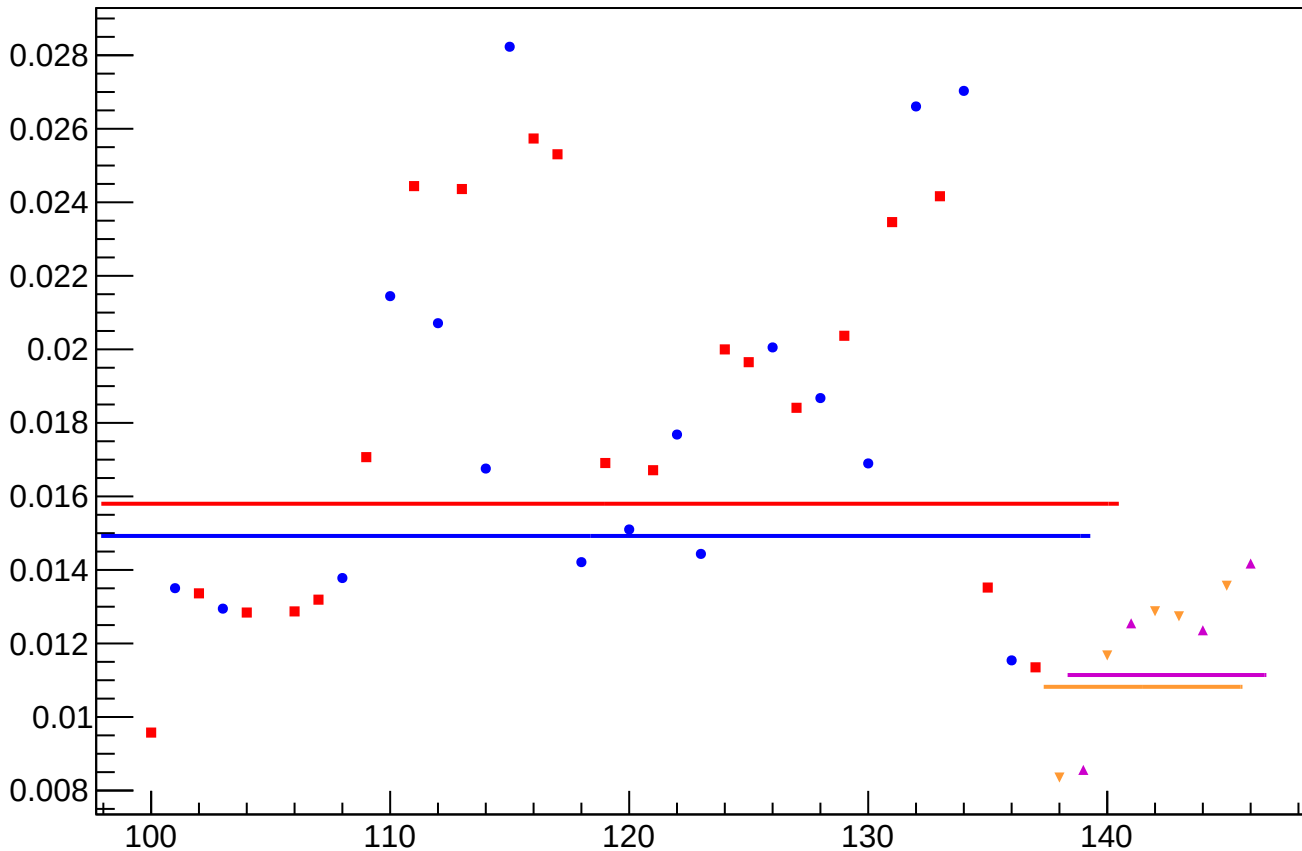
Left In: 2.259+/-0.000 χ^2/NDF : 1805940566.8/3

2.081+/-0.000 χ^2/NDF : 6420149670.1/21

2.042+/-0.000 χ^2/NDF : 12909488912.9/4

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 : 229113.6/4

Right Out: 0.016 +/- 0.000 χ^2/NDF : 796839.8/19

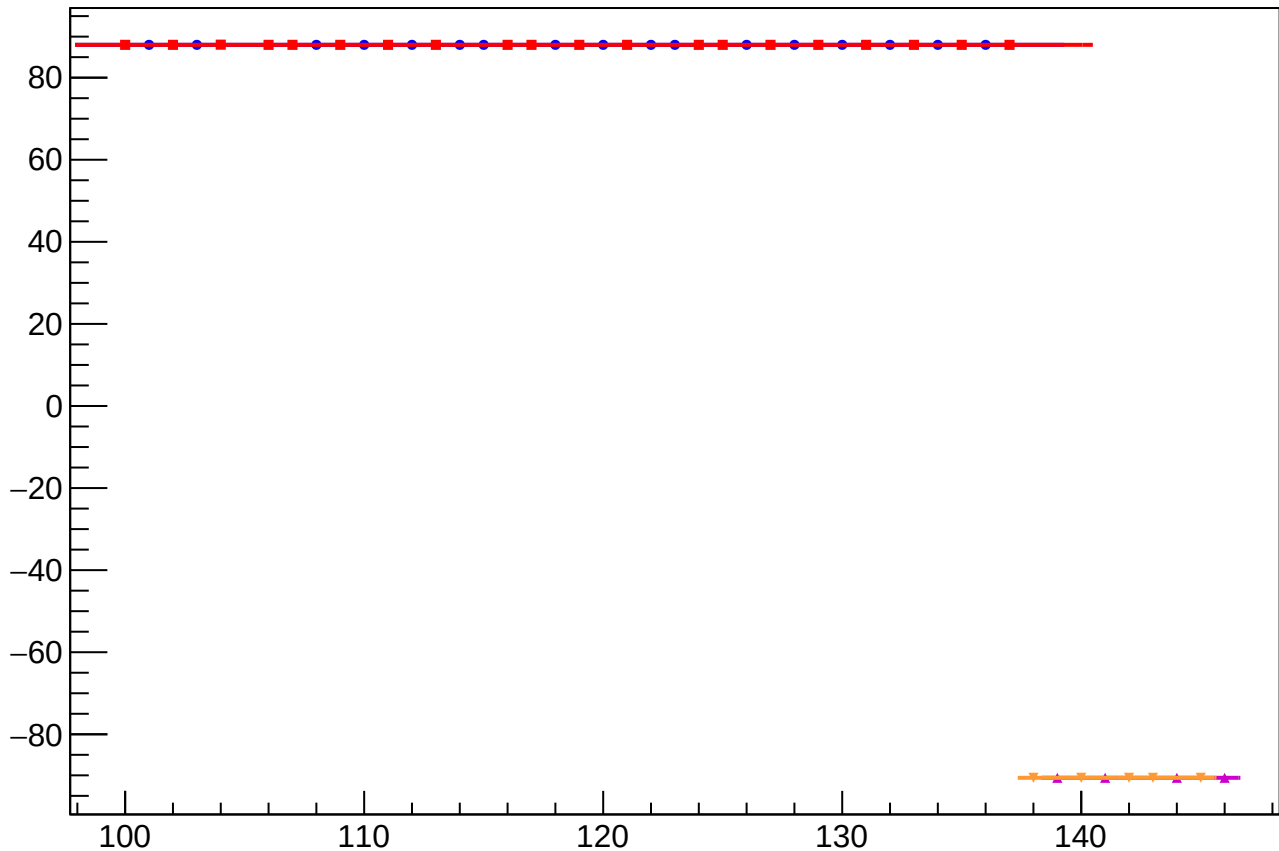
Left In: 0.011 +/- 0.000 χ^2/NDF : 212972.6/3

0.013 +/- 0.000 χ^2/NDF : 1293308.4/21

0.013 +/- 0.000 χ^2/NDF : 2824663.9/45

0.014 +/- 0.000 χ^2/NDF : 1511397.5/23

epics_VWienAngles_mean vs Slug, Sign Corrected



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 1852068.7/16

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF:3045179.8/4

28.467 $\pm$ 0.000 χ^2 /NDF: 737906141333332832

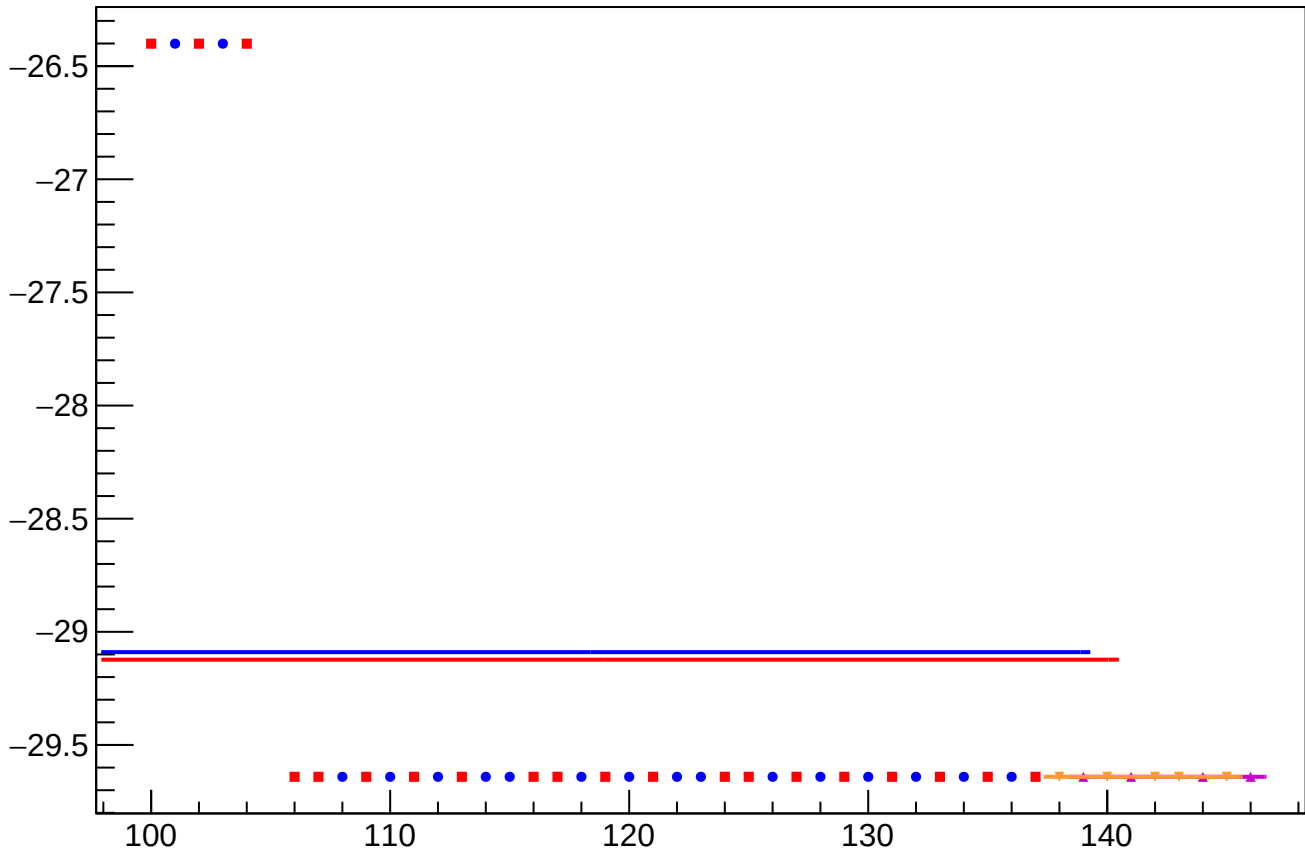
30.573 $\pm$ 0.000 χ^2 /NDF: 1456478763918

Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77578366411928007427611426816.0/19

32.657 $\pm$ 0.000 χ^2 /NDF: 717654171093207665

Left In: -90.599 $\pm$ 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 :162707.3/4

Right Out: -29.123+/-0.000 χ^2/NDF : 1023154512396702254583444720844800.0/19

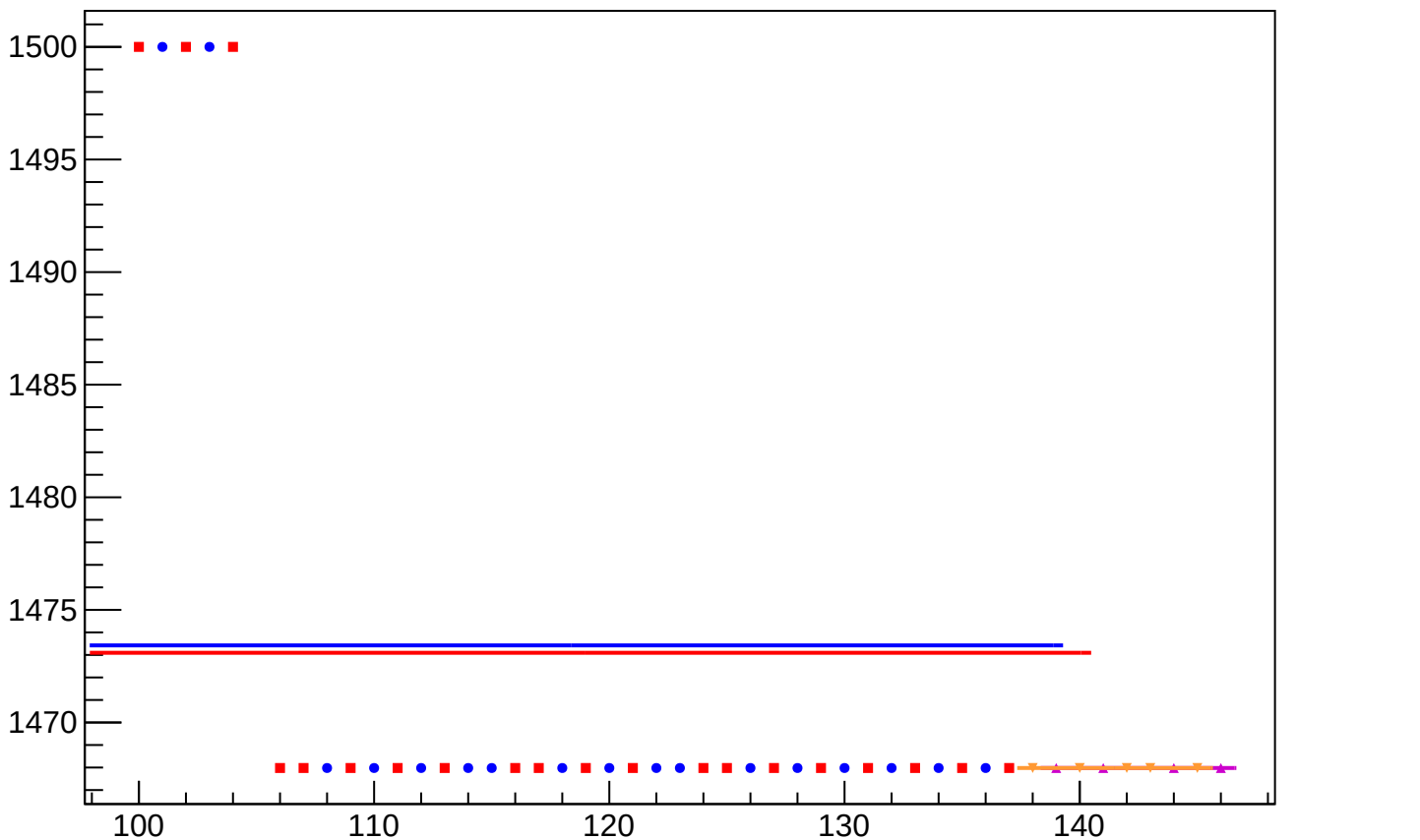
Left In: -29.641+/-0.000 χ^2/NDF :34255.5/3

-29.273+/-0.000 χ^2/NDF : 10983050974063418

-29.278+/-0.000 χ^2/NDF : 2181805535403

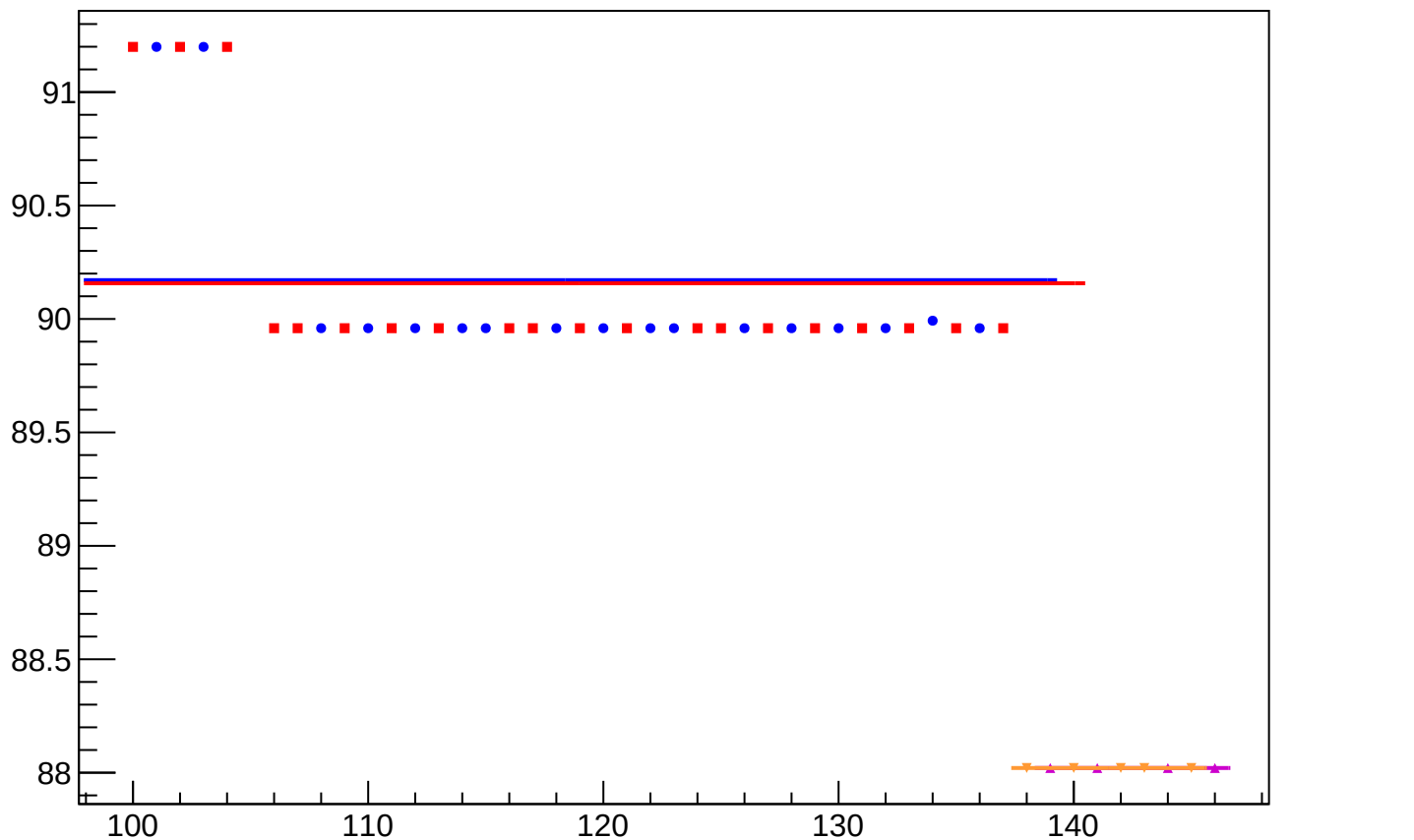
-29.283+/-0.000 χ^2/NDF : 10834481155893474

epics_psub_pl_poss_mean vs Slug, Sign Corrected



Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16
 Left Out: 1467.979+/-0.000 χ^2/NDF : 170657700.1/4
 Right Out: 1473.096+/-0.000 χ^2/NDF : 99938310777099611815298348687032320.0/19
 Left In: 1467.979+/-0.000 χ^2/NDF : 53611643.5/3

epics_Phi_FGs_mean vs Slug, Sign Corrected



Right In: 90.171+/-0.000 χ^2/NDF : 150316905454500935857801185460224.0/16

Left Out: 88.021+/-0.000 χ^2/NDF : 3168368.3/4

Right Out: 90.157+/-0.000 χ^2/NDF : 149863052341628336344772108091392.0/19

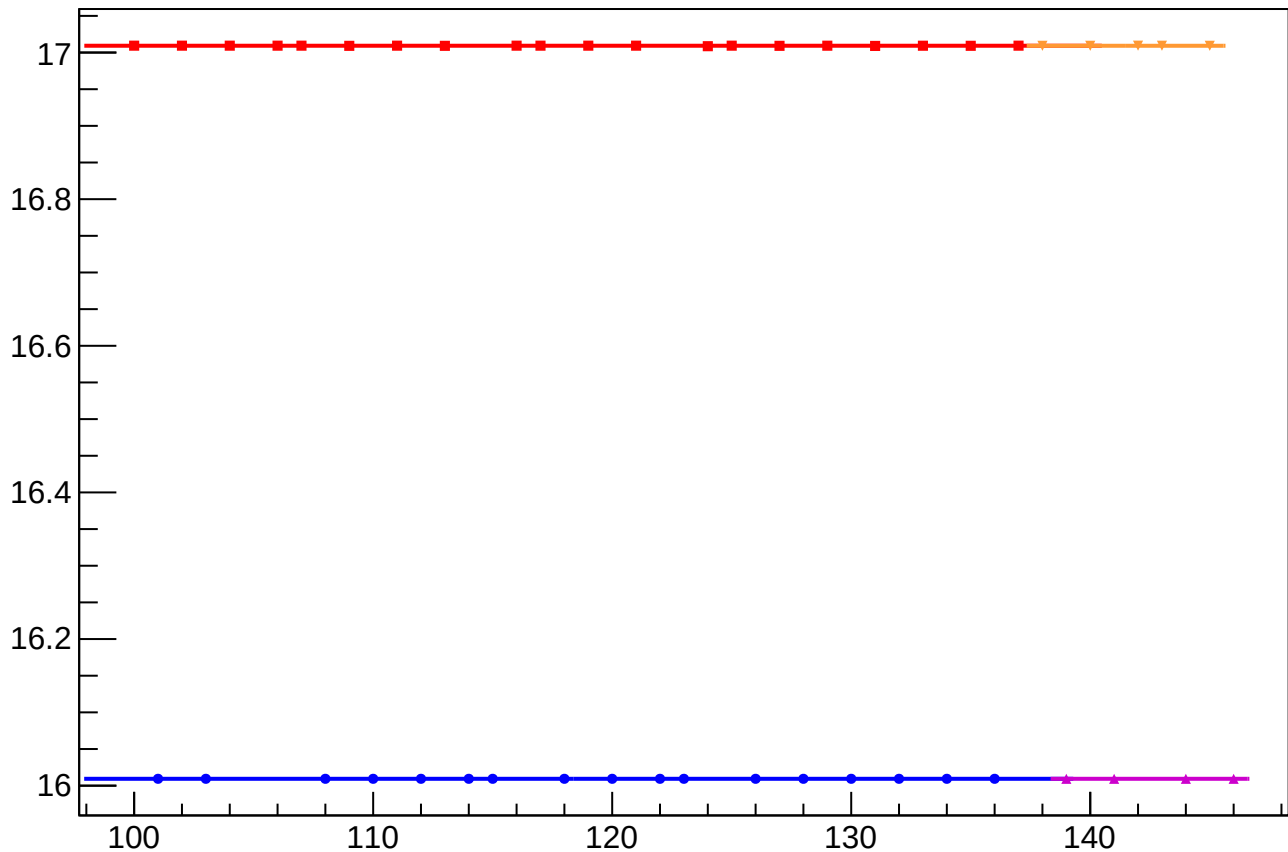
Left In: 88.021+/-0.000 χ^2/NDF : 882918.4/3

89.454+/-0.000 χ^2/NDF : 122008254794422996

89.475+/-0.000 χ^2/NDF : 2397973570768

89.495+/-0.000 χ^2/NDF : 117701312900300938

epics_IGL1I00DI24_24Ms_mean vs Slug, Sign Corrected



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 44327.7/16

Left Out: 17.009 $\pm$ 0.000 χ^2/NDF : 972843141472531108593664.0/4

Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 12548783366686740957888512.0/19

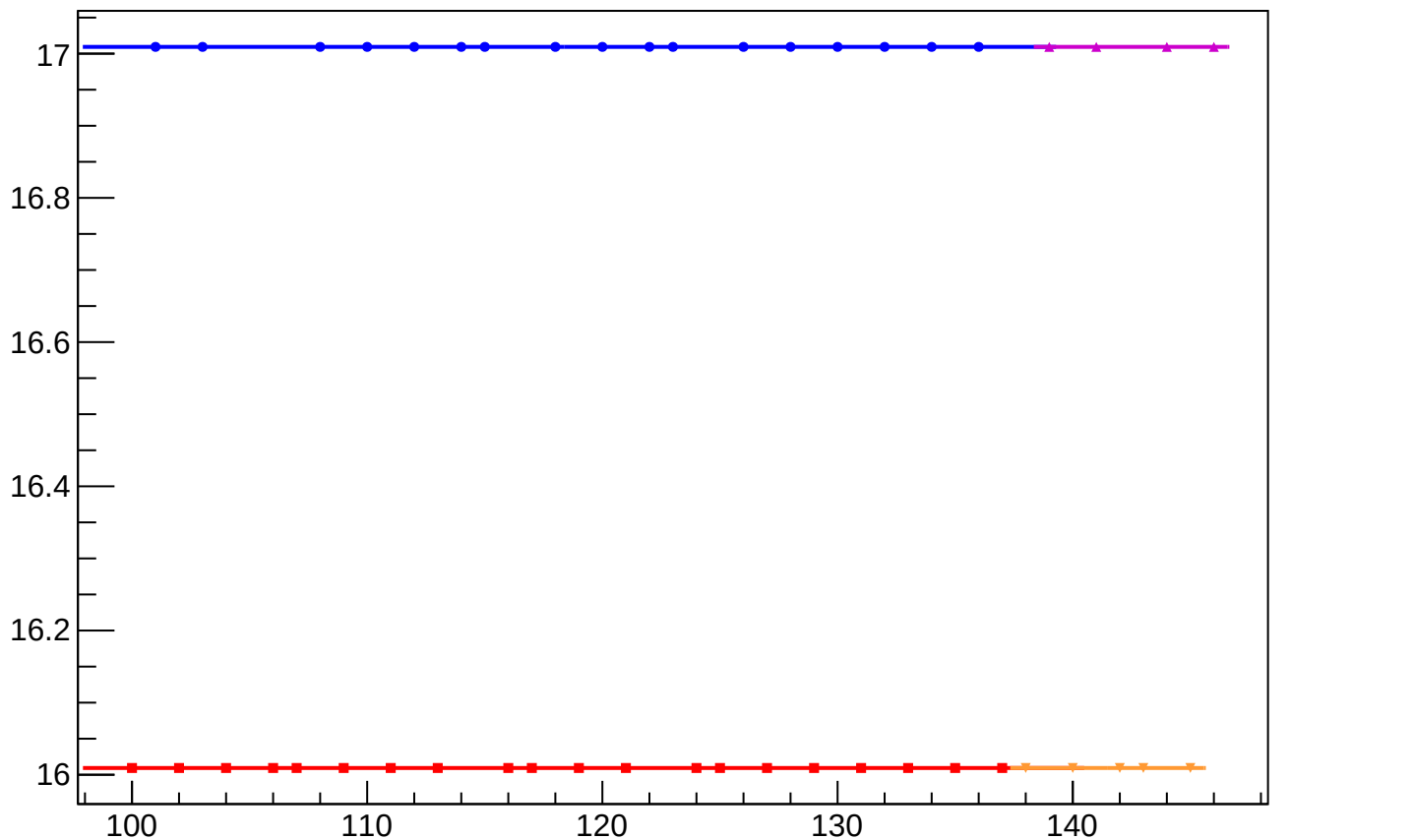
Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 19803.6/3

16.329 $\pm$ 0.000 χ^2/NDF : 211537665452253893

16.510 $\pm$ 0.000 χ^2/NDF : 4841483801442

16.692 $\pm$ 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 : 10955.7/4

Right Out: 16.009+/-0.000 χ^2/NDF : 42750.0/19

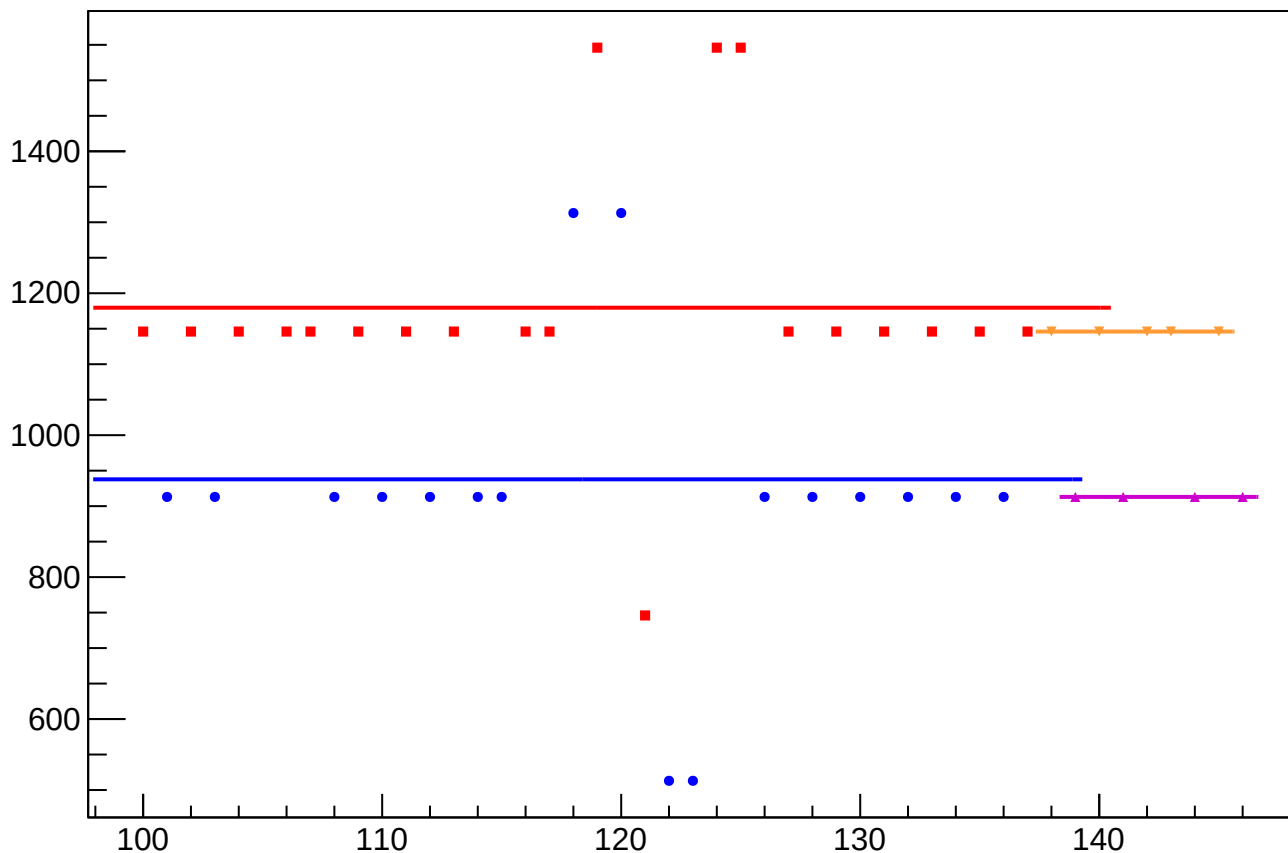
Left In: 17.009+/-0.000 χ^2/NDF : 8885.7/3

16.671+/-0.000 χ^2/NDF : 224193806193800837

16.492+/-0.000 χ^2/NDF : 5109012707722

16.321+/-0.000 χ^2/NDF : 224300478468879896

epics_RTPAPOSUCNTs_mean vs Slug, Sign Corrected



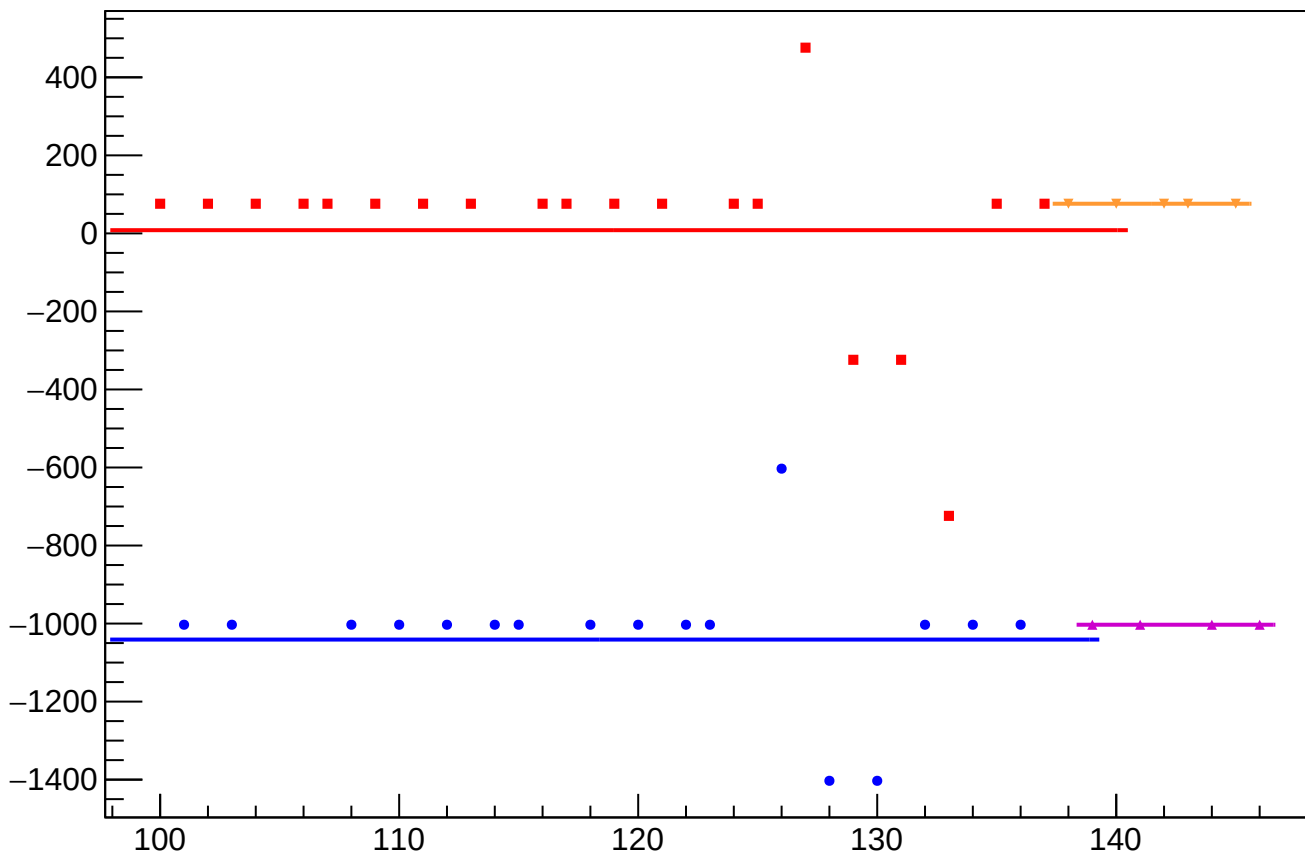
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.011+/-0.000 χ^2/NDF : 1470929714952090619519959040.0/4

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 : 2713170620256694396421931008.0/4

Right Out: 8.240+/-0.000 χ^2/NDF : 43865391744972338137265798243810279424.0/19

Left In: -1002.989+/-0.000 χ^2/NDF : 471838457209317877805481984.0/3