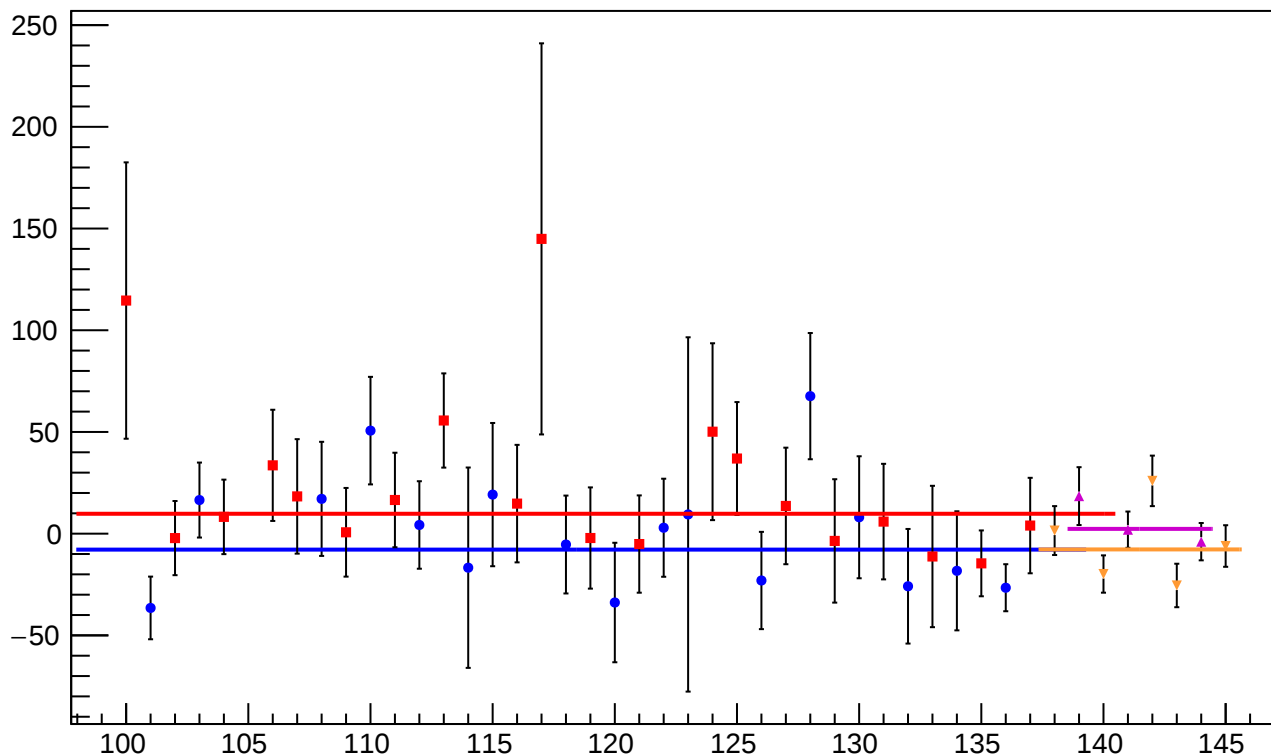


diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.841 $\pm$ 5.608

χ^2/NDF : 22.6/16

Left Out: -7.751 $\pm$ 4.788

χ^2/NDF : 12.5/4

Right Out: 9.781 $\pm$ 5.667

χ^2/NDF : 15.2/19

Left In: 2.351 $\pm$ 5.833

χ^2/NDF : 1.8/2

-7.789 $\pm$ 3.641

χ^2/NDF : 35.1/21

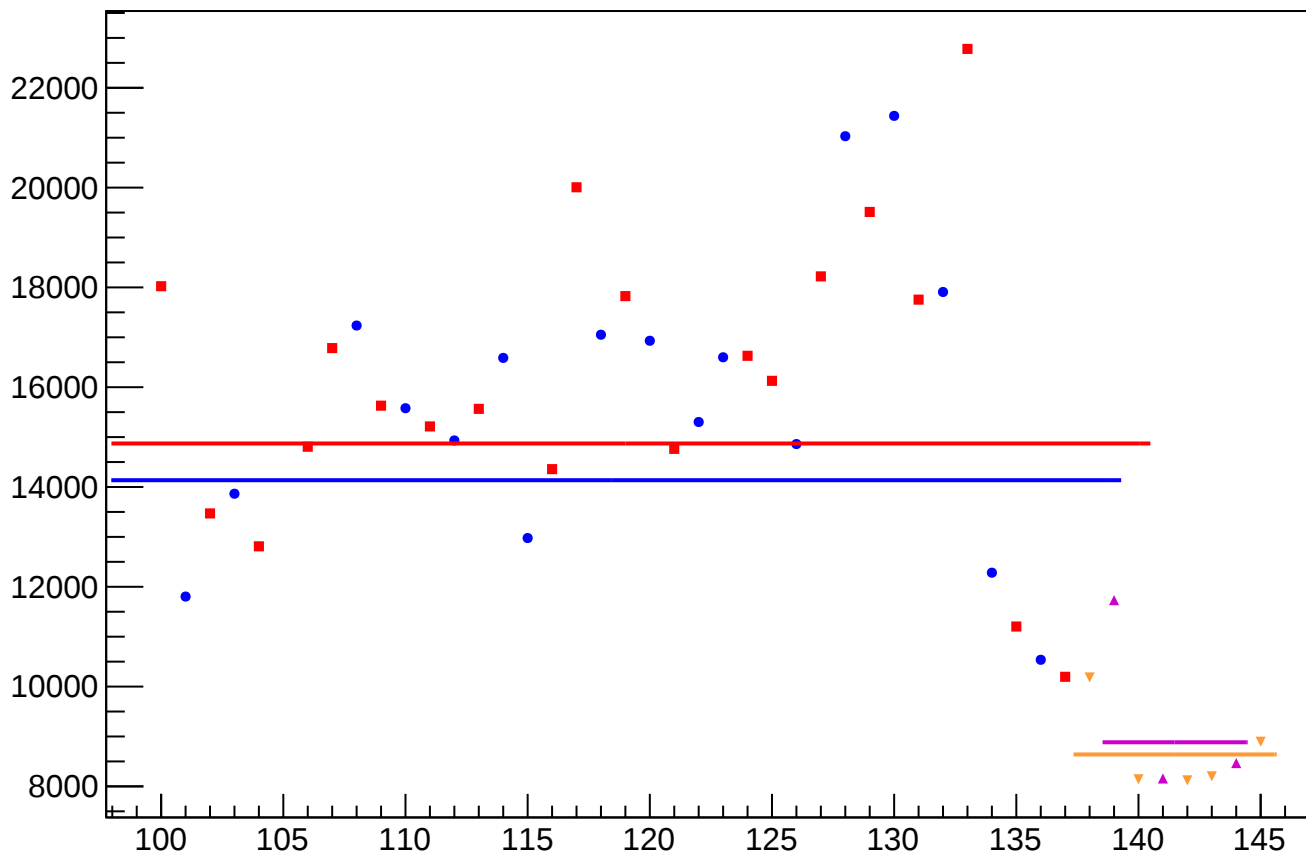
-1.573 $\pm$ 2.712

χ^2/NDF : 59.5/44

6.173 $\pm$ 4.065

χ^2/NDF : 17.8/22

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

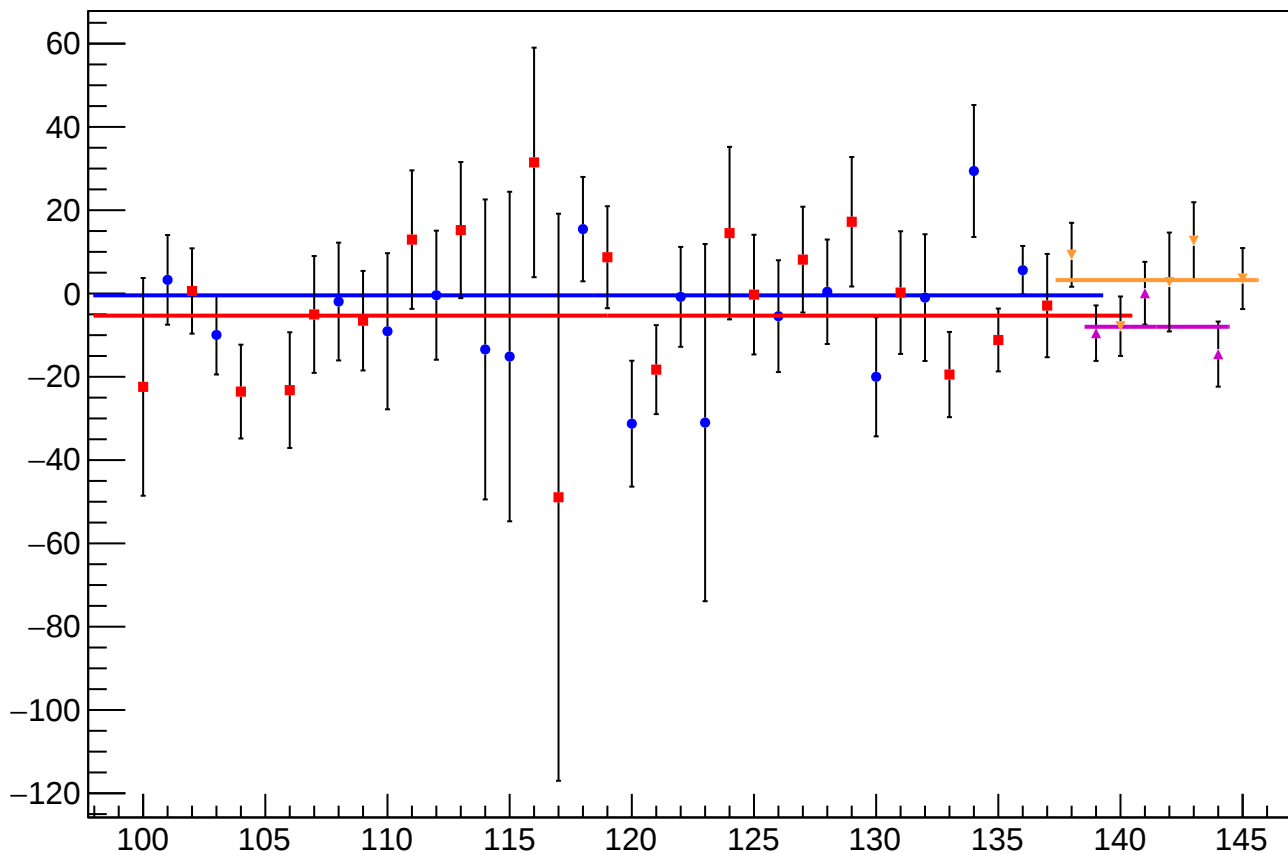
Left In: 8884.284 $\pm$ 4.125 χ^2/NDF : 97579.2/2

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

11405.275 $\pm$ 1.918 χ^2/NDF : 3482834.5/4

11964.514 $\pm$ 2.874 χ^2/NDF : 1659342.7/22

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.441 $\pm$ 3.071 χ^2/NDF : 14.5/16

Left Out: 3.222 $\pm$ 3.675 χ^2/NDF : 4.1/4

Right Out: -5.310 $\pm$ 2.933 χ^2/NDF : 19.8/19

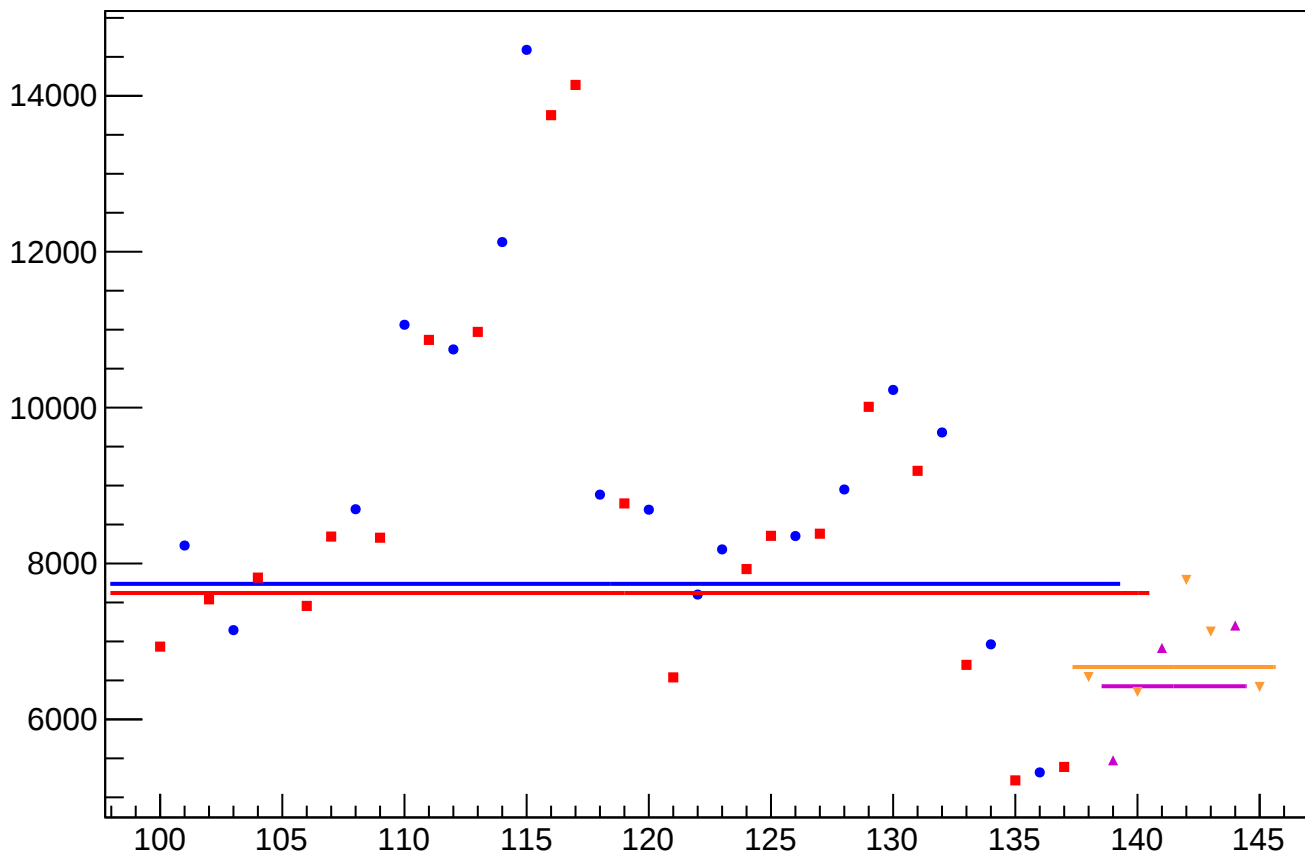
Left In: -7.985 $\pm$ 4.206 χ^2/NDF : 1.9/2

1.065 $\pm$ 2.357 χ^2/NDF : 19.2/21

-2.485 $\pm$ 1.684 χ^2/NDF : 45.8/44

-6.185 $\pm$ 2.406 χ^2/NDF : 21.9/22

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

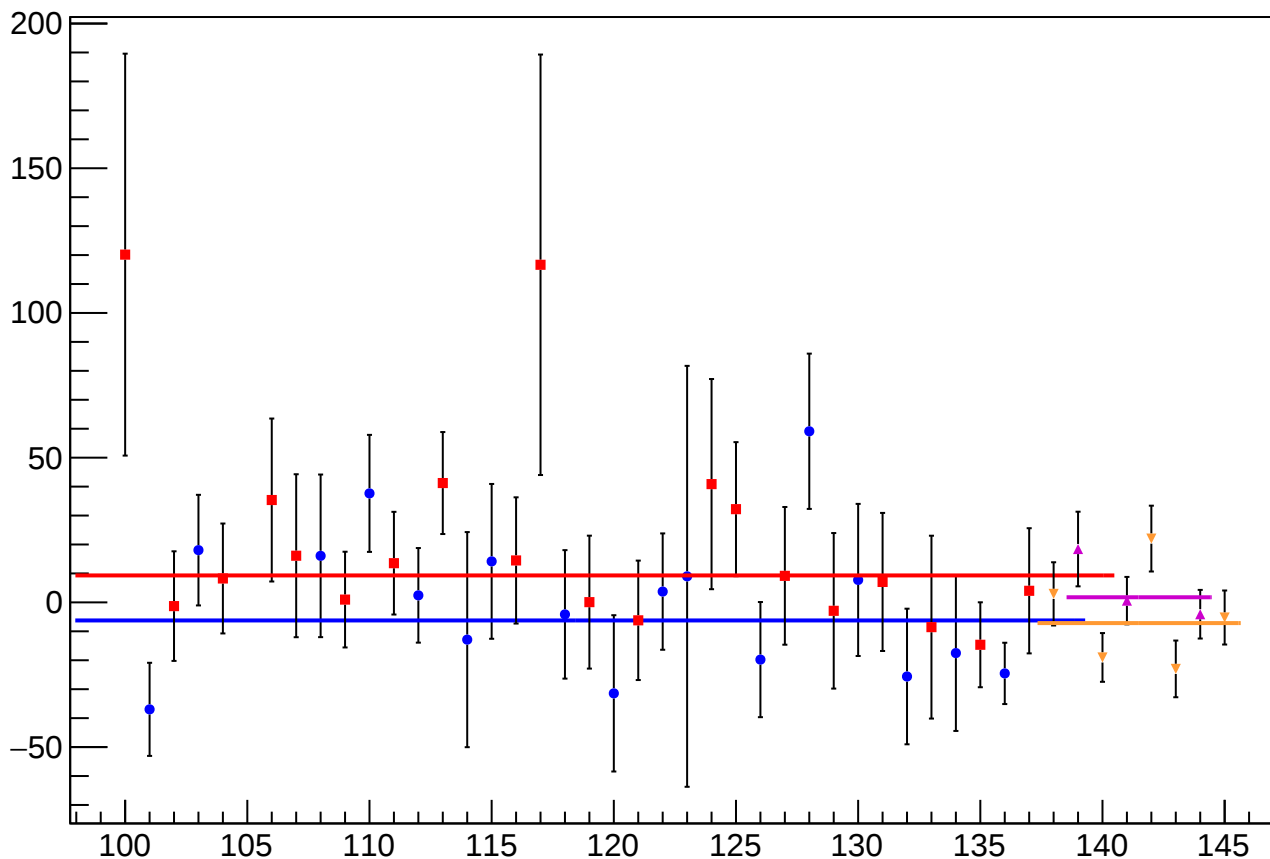
Left In: 6425.276 $\pm$ 2.974 χ^2/NDF : 69039.6/2

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

7265.956 $\pm$ 1.190 χ^2/NDF : 1745970.6/44

7230.184 $\pm$ 1.701 χ^2/NDF : 875466.6/22

diff_bpm4eX_mean vs Slug, Sign Corrected



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

Left Out: -7.156 ± 4.380 χ^2/NDF : 12.1/4

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

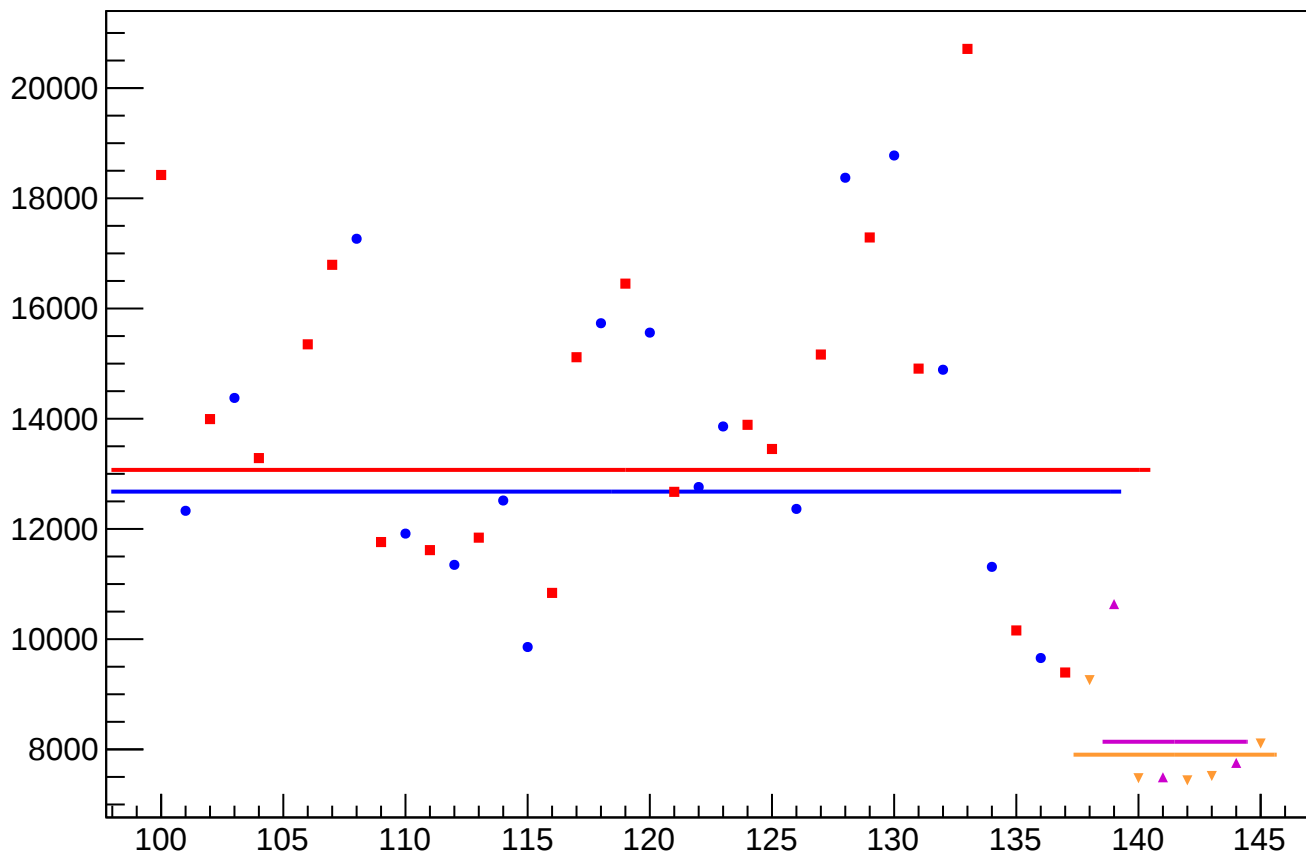
Left In: 1.765 ± 5.340 χ^2/NDF : 2.2/2

-6.762 ± 3.300 χ^2/NDF : 35.3/21

-1.106 ± 2.446 χ^2/NDF : 60.4/44

5.795 ± 3.645 χ^2/NDF : 18.6/22

diff_bpm4eX_rms vs Slug, Sign Corrected



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

Left Out: 7903.846+/-3.097 χ^2/NDF : 43223.4/4

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

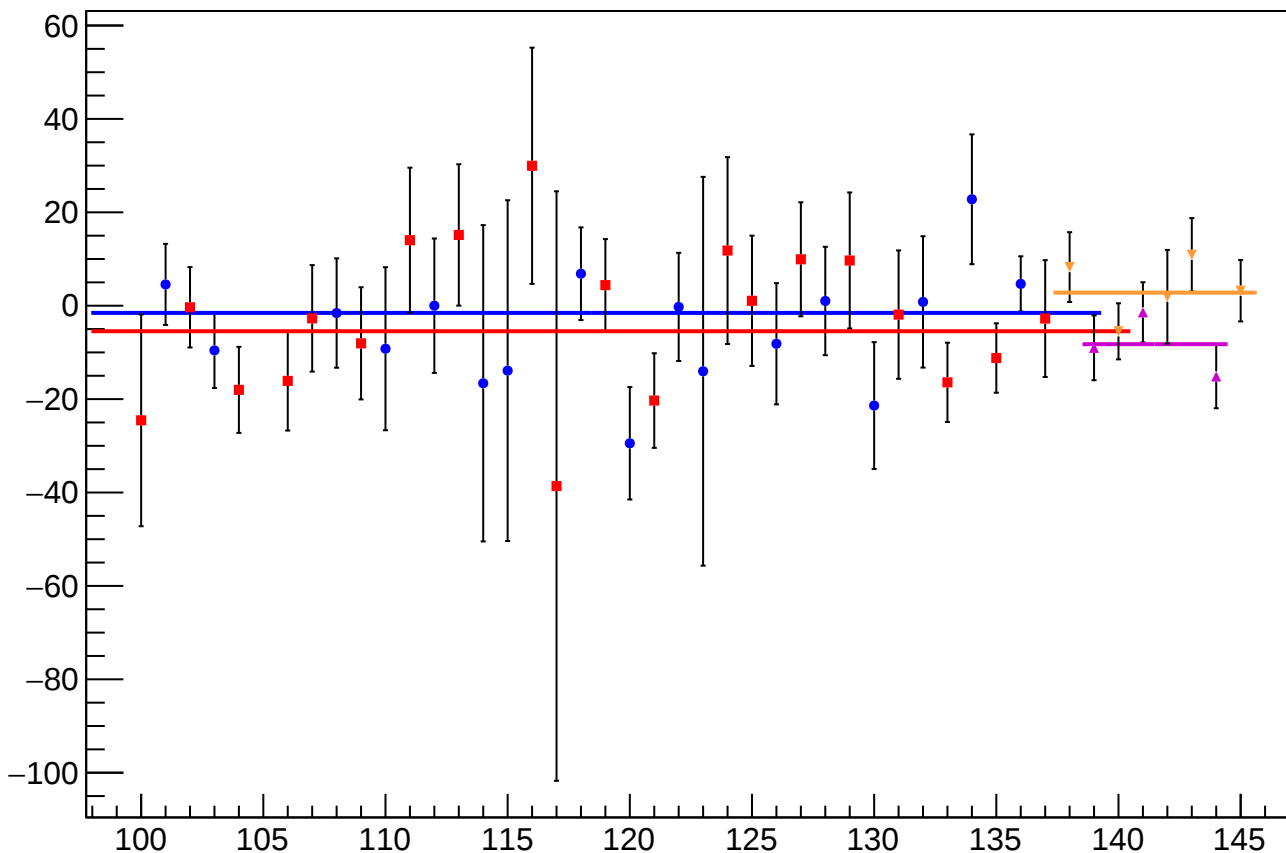
Left In: 8138.238+/-3.776 χ^2/NDF : 91618.1/2

9968.639+/-2.333 χ^2/NDF : 1624189.8/21

10330.954+/-1.730 χ^2/NDF : 3180048.7/4

10773.020+/-2.577 χ^2/NDF : 1502327.9/22

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

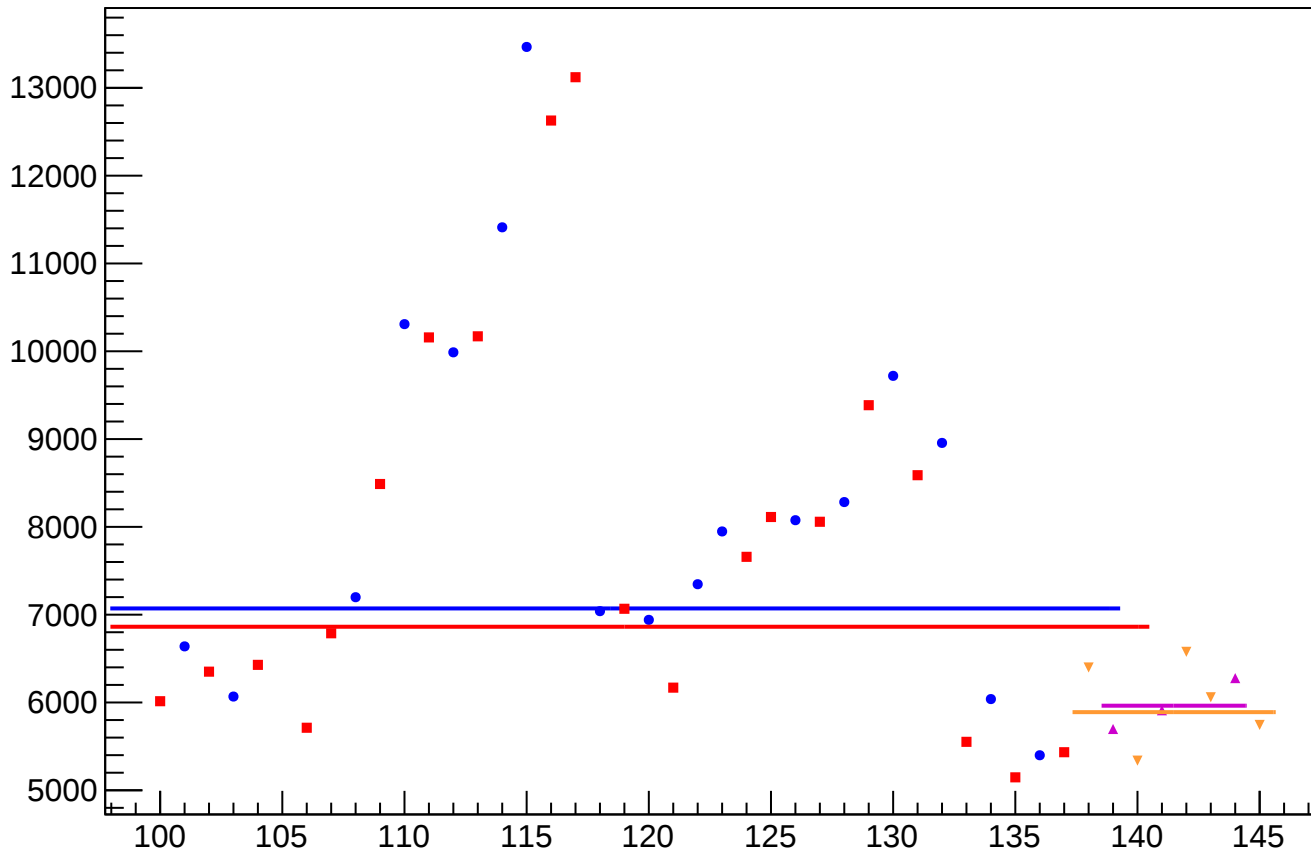
Left In: -8.241 $\pm$ 3.880 χ^2/NDF : 2.2/2

0.307 $\pm$ 2.116 χ^2/NDF : 19.4/21

-2.916 $\pm$ 1.519 χ^2/NDF : 45.5/44

-6.341 $\pm$ 2.181 χ^2/NDF : 21.4/22

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7071.043 ± 1.973 $\chi^2/\text{NDF}: 600748.1/16$

Left Out: 5889.936 ± 2.295 $\chi^2/\text{NDF}: 37499.1/4$

Right Out: 6862.551 ± 1.865 $\chi^2/\text{NDF}: 704099.3/19$

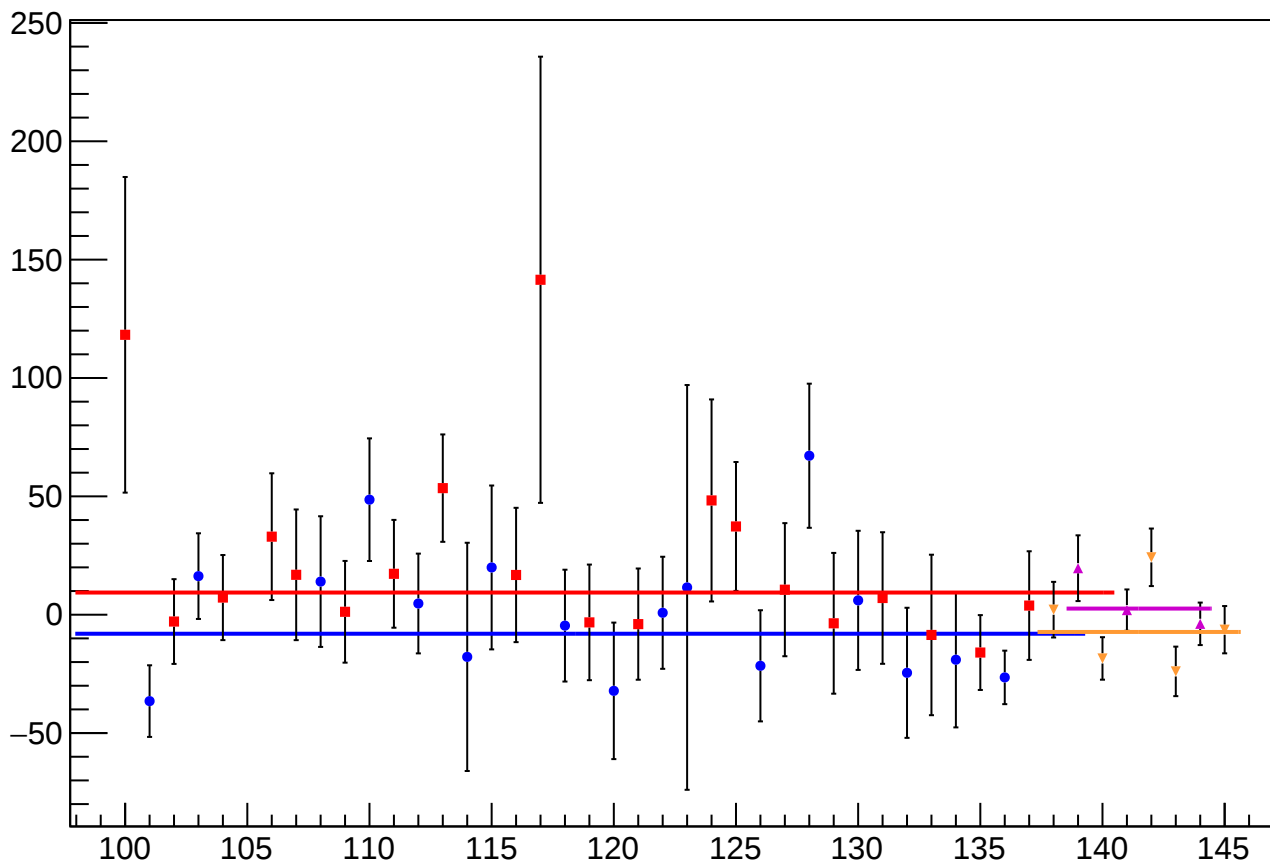
Left In: 5963.339 ± 2.743 $\chi^2/\text{NDF}: 7304.4/2$

6569.096 ± 1.496 $\chi^2/\text{NDF}: 790530.3/21$

6573.586 ± 1.074 $\chi^2/\text{NDF}: 1575434.7/44$

6578.357 ± 1.542 $\chi^2/\text{NDF}: 784885.8/22$

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

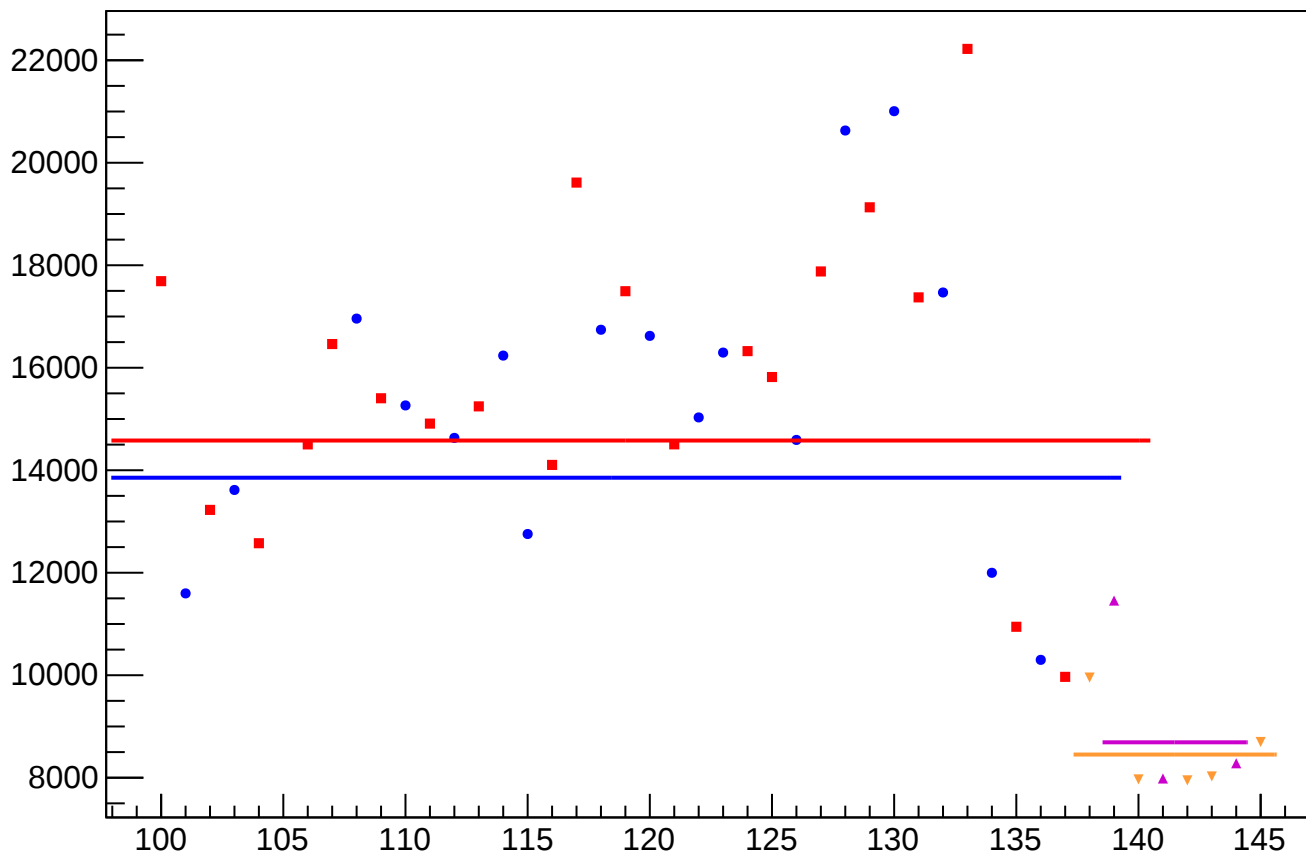
Left In: 2.592 $\pm$ 5.706 χ^2/NDF : 2.0/2

-7.599 $\pm$ 3.565 χ^2/NDF : 34.1/21

-1.515 $\pm$ 2.656 χ^2/NDF : 59.0/44

6.069 $\pm$ 3.981 χ^2/NDF : 18.4/22

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

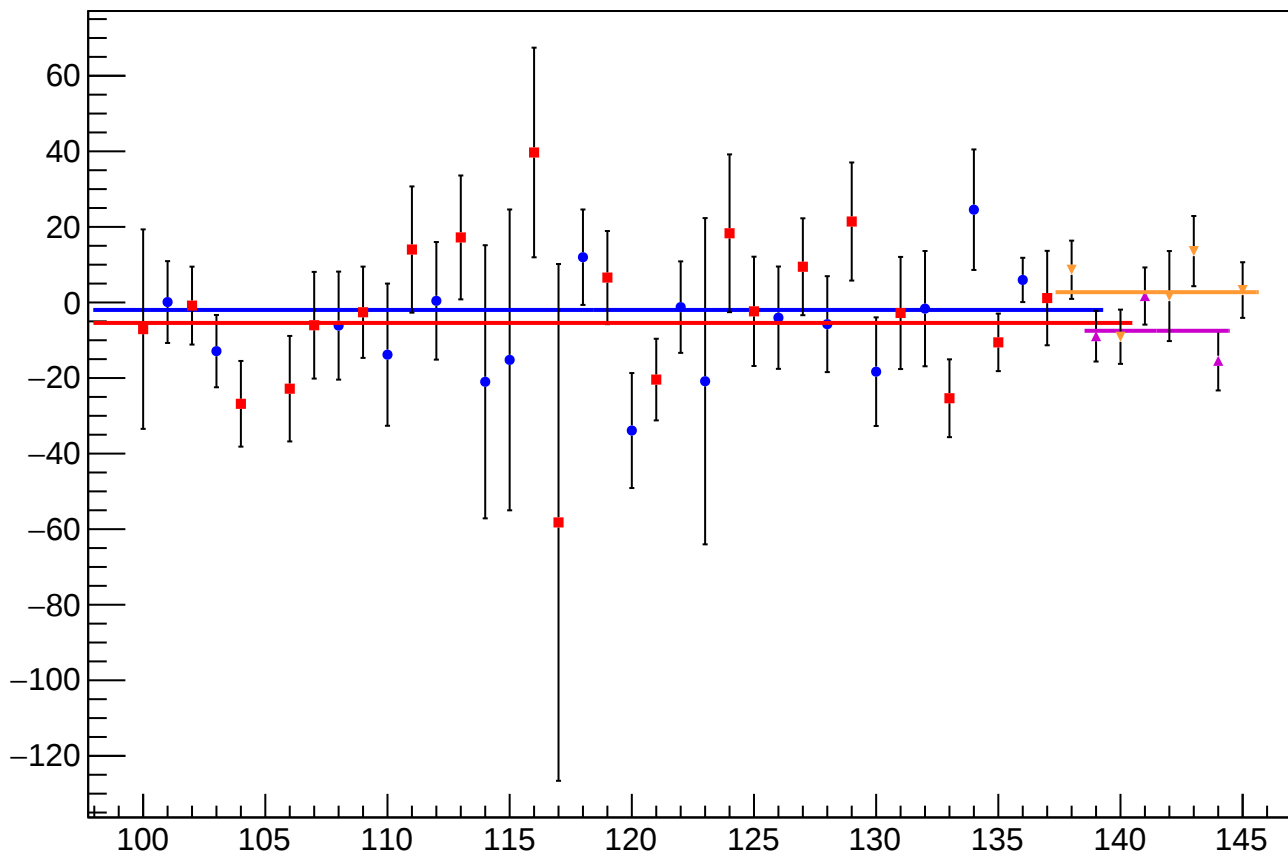
Left In: 8691.012+/-4.034 χ^2/NDF : 96538.5/2

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

11164.312+/-1.878 χ^2/NDF : 3505094.1/4

11713.348+/-2.815 χ^2/NDF : 1670030.9/22

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

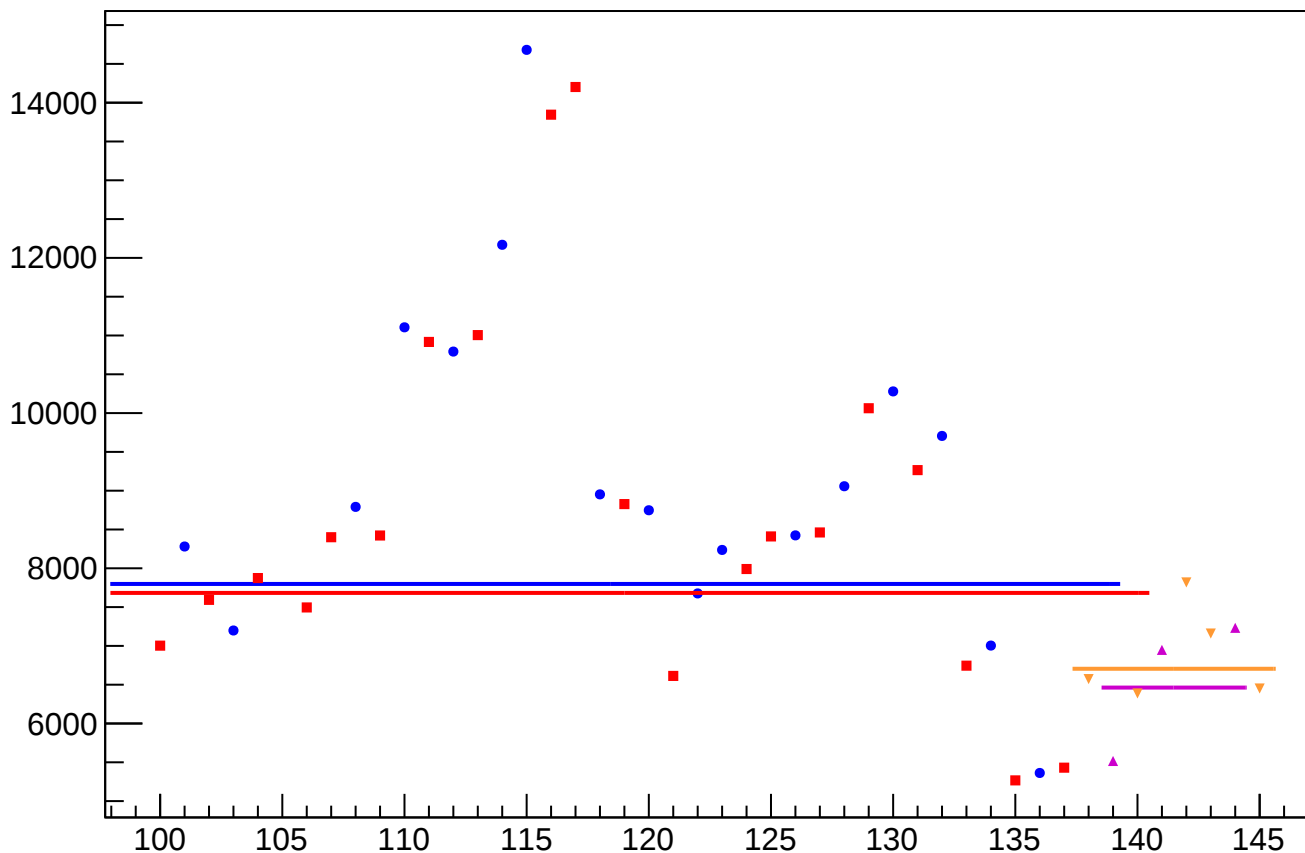
Left In: -7.495 $\pm$ 4.229 χ^2/NDF : 2.5/2

-0.038 $\pm$ 2.372 χ^2/NDF : 19.7/21

-3.004 $\pm$ 1.695 χ^2/NDF : 50.5/44

-6.099 $\pm$ 2.423 χ^2/NDF : 27.6/22

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

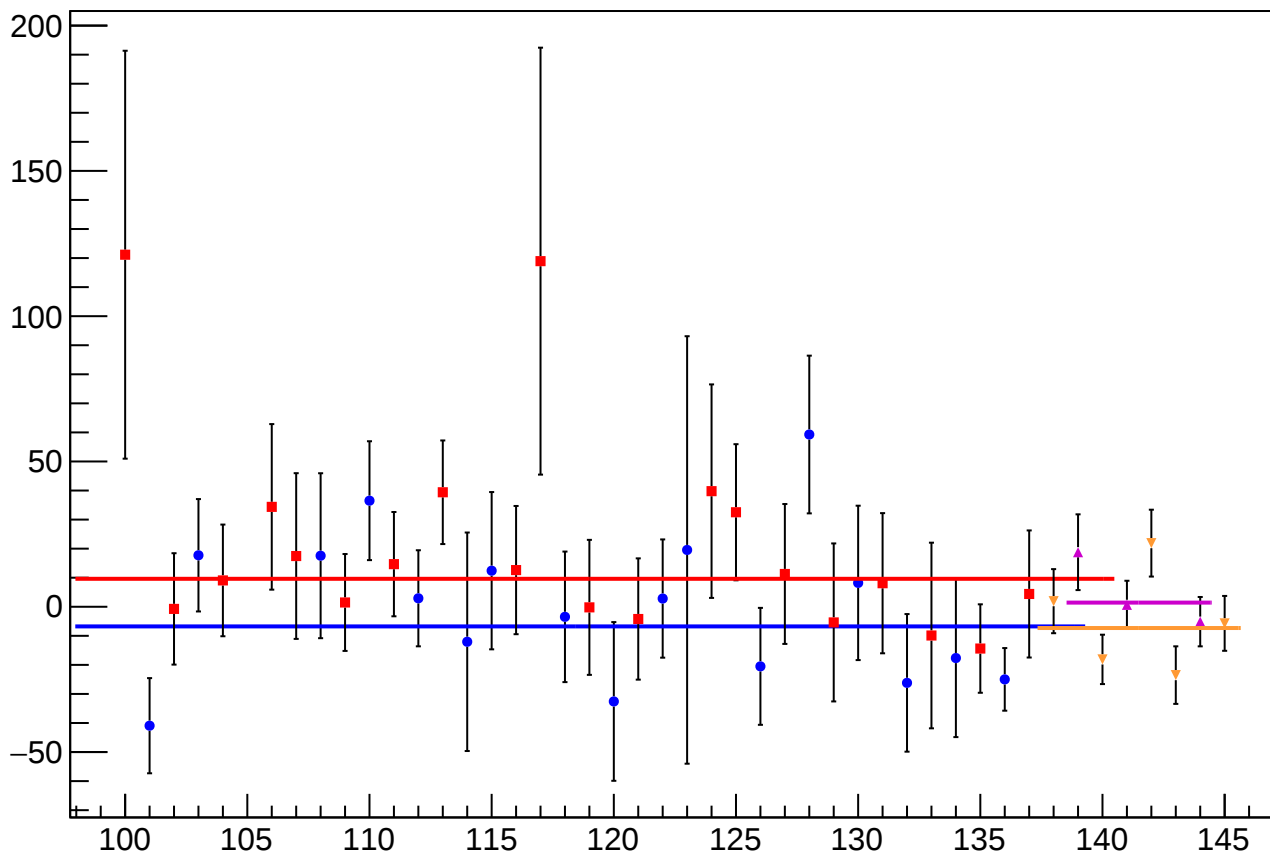
Left In: 6462.797 $\pm$ 2.990 χ^2 /NDF: 67240.1/2

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

7315.677 $\pm$ 1.198 χ^2 /NDF: 1739034.5/44

7282.428 $\pm$ 1.713 χ^2 /NDF: 869956.8/22

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

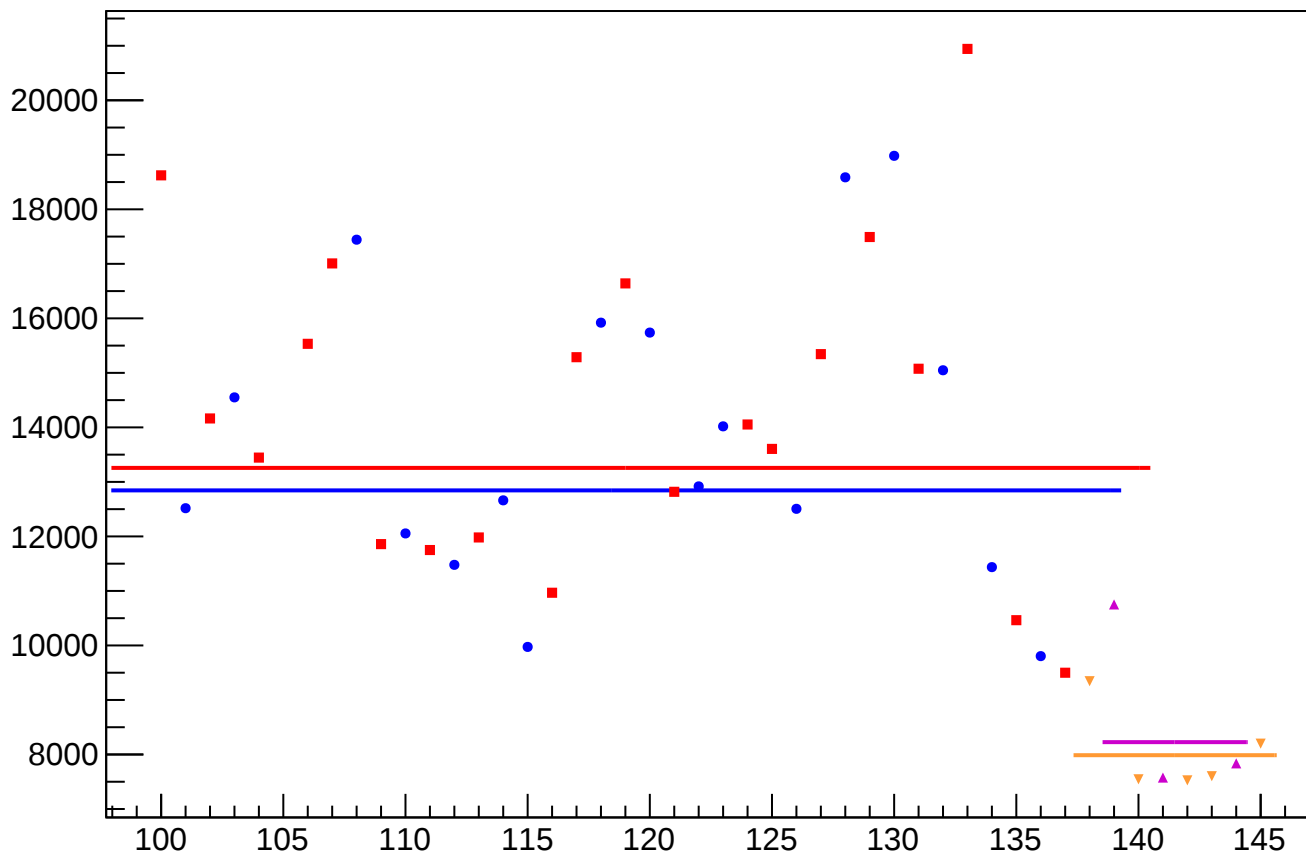
Left In: 1.431 ± 5.398 χ^2/NDF : 2.4/2

-7.076 ± 3.339 χ^2/NDF : 35.2/21

-1.286 ± 2.476 χ^2/NDF : 59.9/44

5.792 ± 3.691 χ^2/NDF : 18.1/22

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

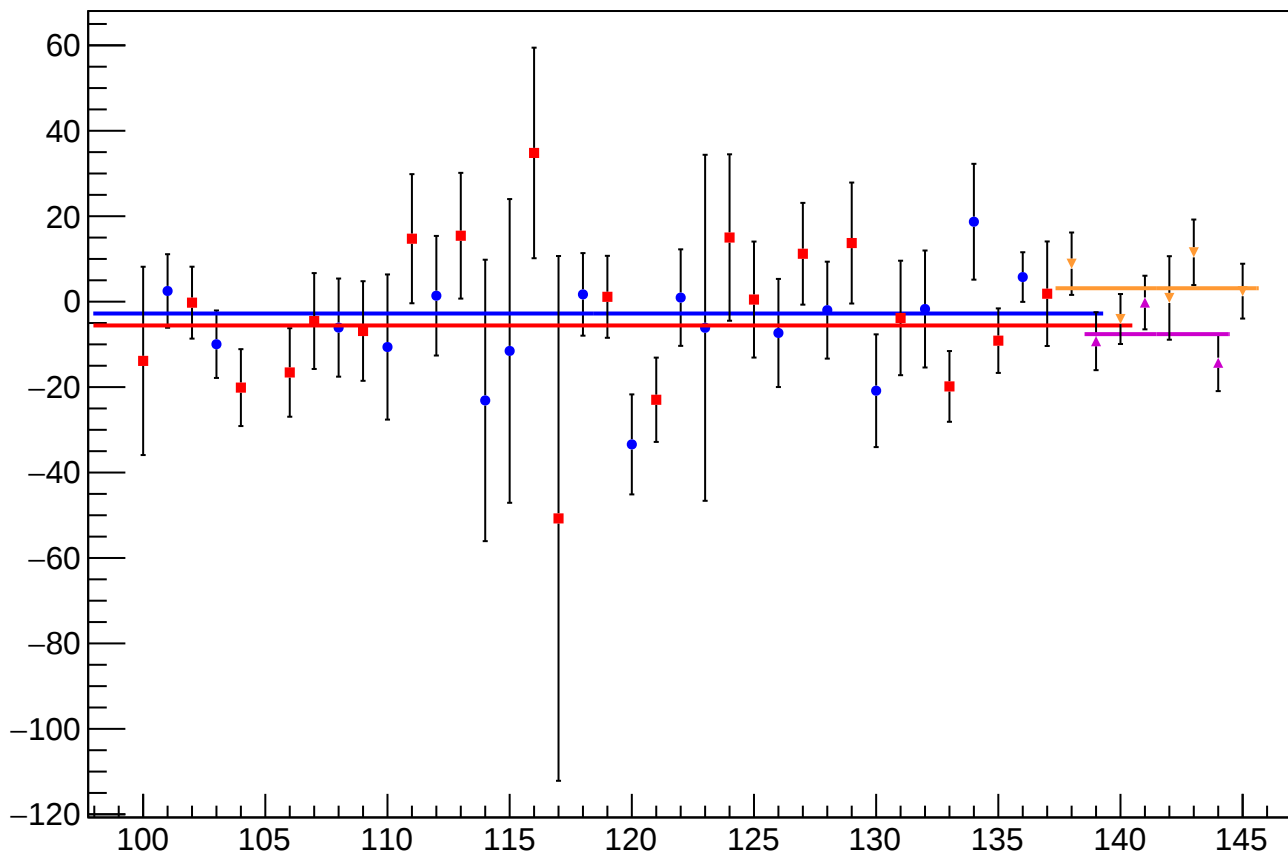
Left In: 8226.375+/-3.817 χ^2/NDF : 91616.9/2

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

10451.695+/-1.751 χ^2/NDF : 3186845.6/4

10904.707+/-2.610 χ^2/NDF : 1503524.5/22

diff_bpm4ecY_mean vs Slug, Sign Corrected



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

Left Out: 3.140 $\pm$ 3.167 χ^2/NDF : 3.4/4

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

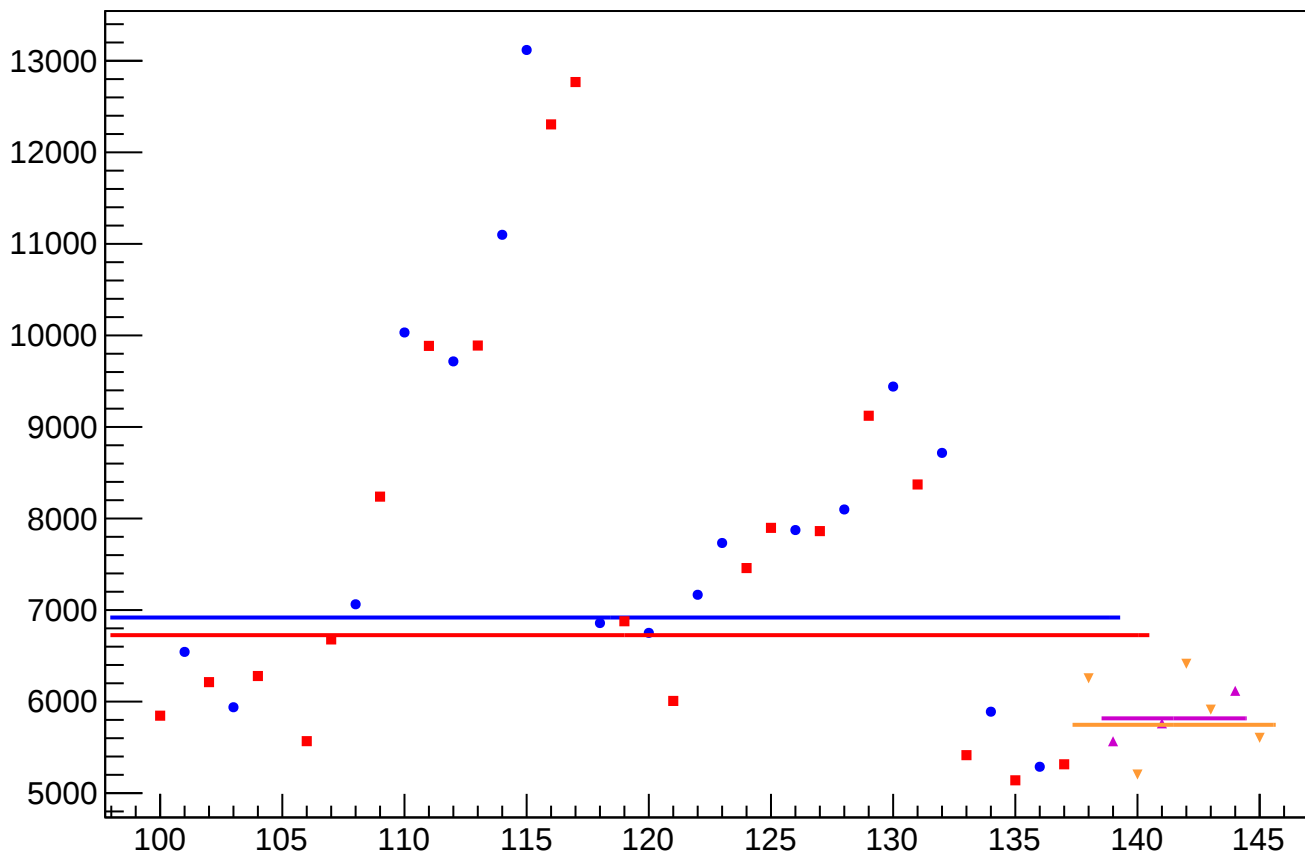
Left In: -7.600 $\pm$ 3.784 χ^2/NDF : 2.5/2

-0.251 $\pm$ 2.068 χ^2/NDF : 21.3/21

-3.140 $\pm$ 1.485 χ^2/NDF : 51.7/44

-6.217 $\pm$ 2.135 χ^2/NDF : 26.4/22

diff_bpm4ecY_rms vs Slug, Sign Corrected



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

Left Out: 5746.458 $\pm$ 2.239 χ^2/NDF : 38127.0/4

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

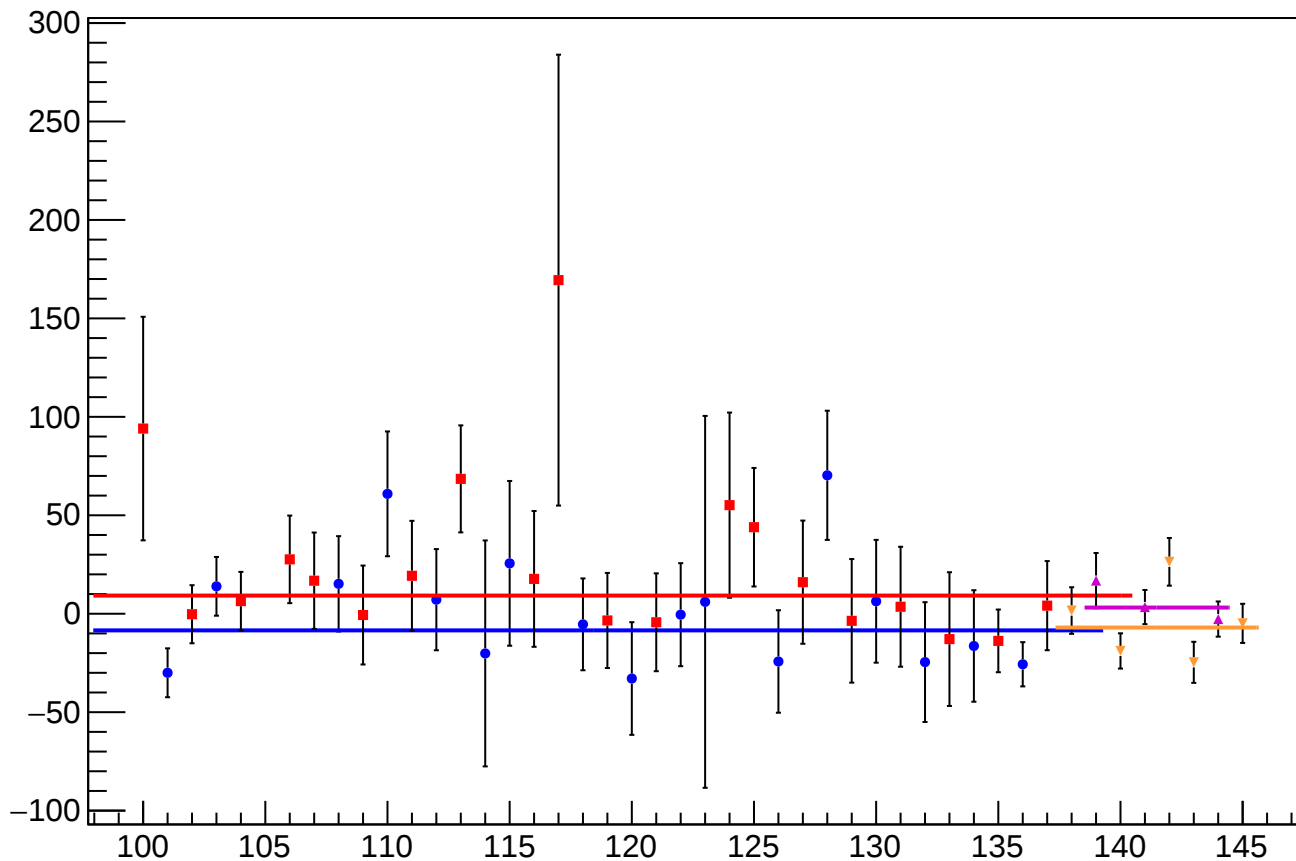
Left In: 5816.853 $\pm$ 2.676 χ^2/NDF : 6978.8/2

6418.464 $\pm$ 1.463 χ^2/NDF : 782236.1/21

6427.228 $\pm$ 1.050 χ^2/NDF : 1543347.3/44

6436.562 $\pm$ 1.509 χ^2/NDF : 761037.0/22

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.448 $\pm$ 5.393 χ^2/NDF : 22.0/16

Left Out: -7.012 $\pm$ 4.674 χ^2/NDF : 12.8/4

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

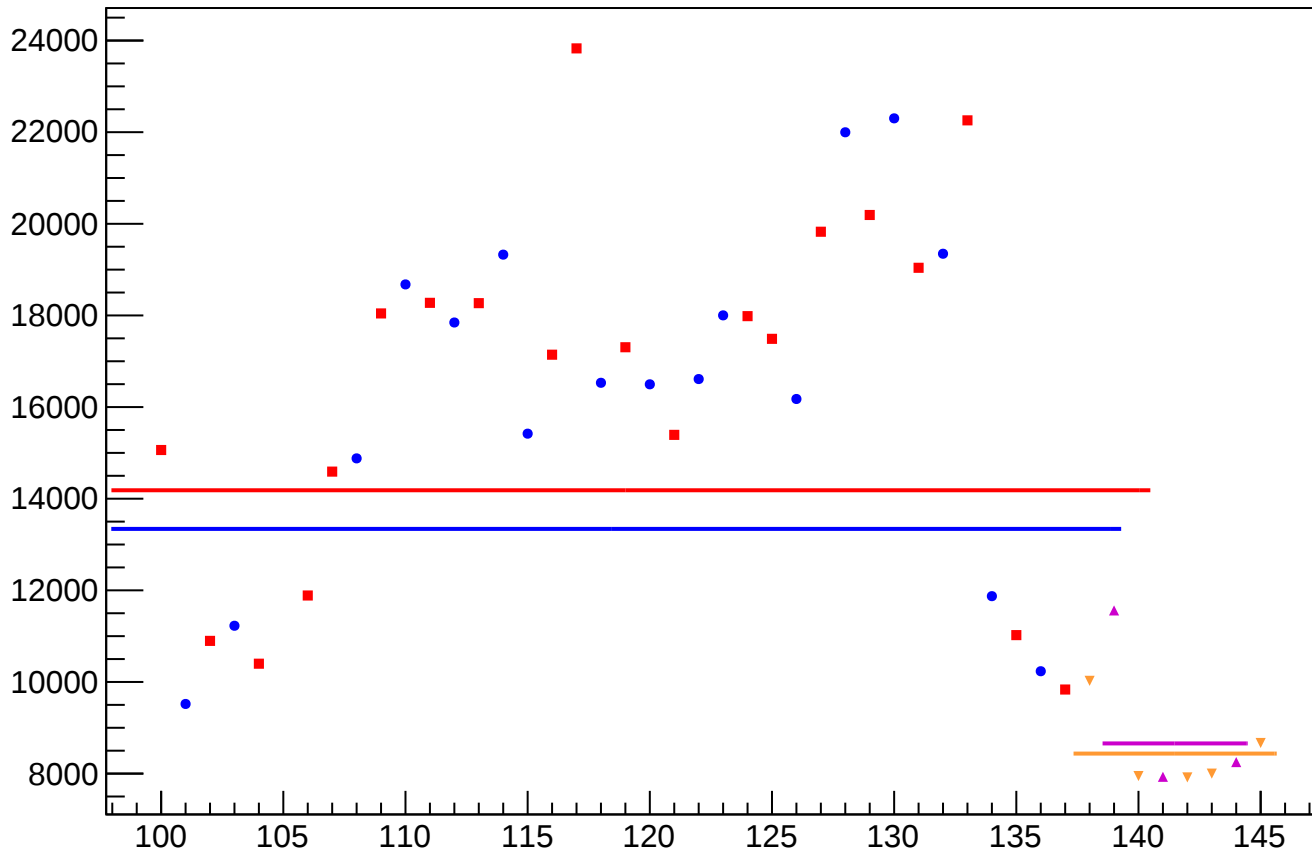
Left In: 3.139 $\pm$ 5.689 χ^2/NDF : 1.4/2

-7.628 $\pm$ 3.532 χ^2/NDF : 34.9/21

-1.456 $\pm$ 2.634 χ^2/NDF : 59.9/44

6.284 $\pm$ 3.955 χ^2/NDF : 18.2/22

diff_bpm1X_rms vs Slug, Sign Corrected



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

Left Out: 8436.857+/-3.305 χ^2/NDF : 50317.1/4

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

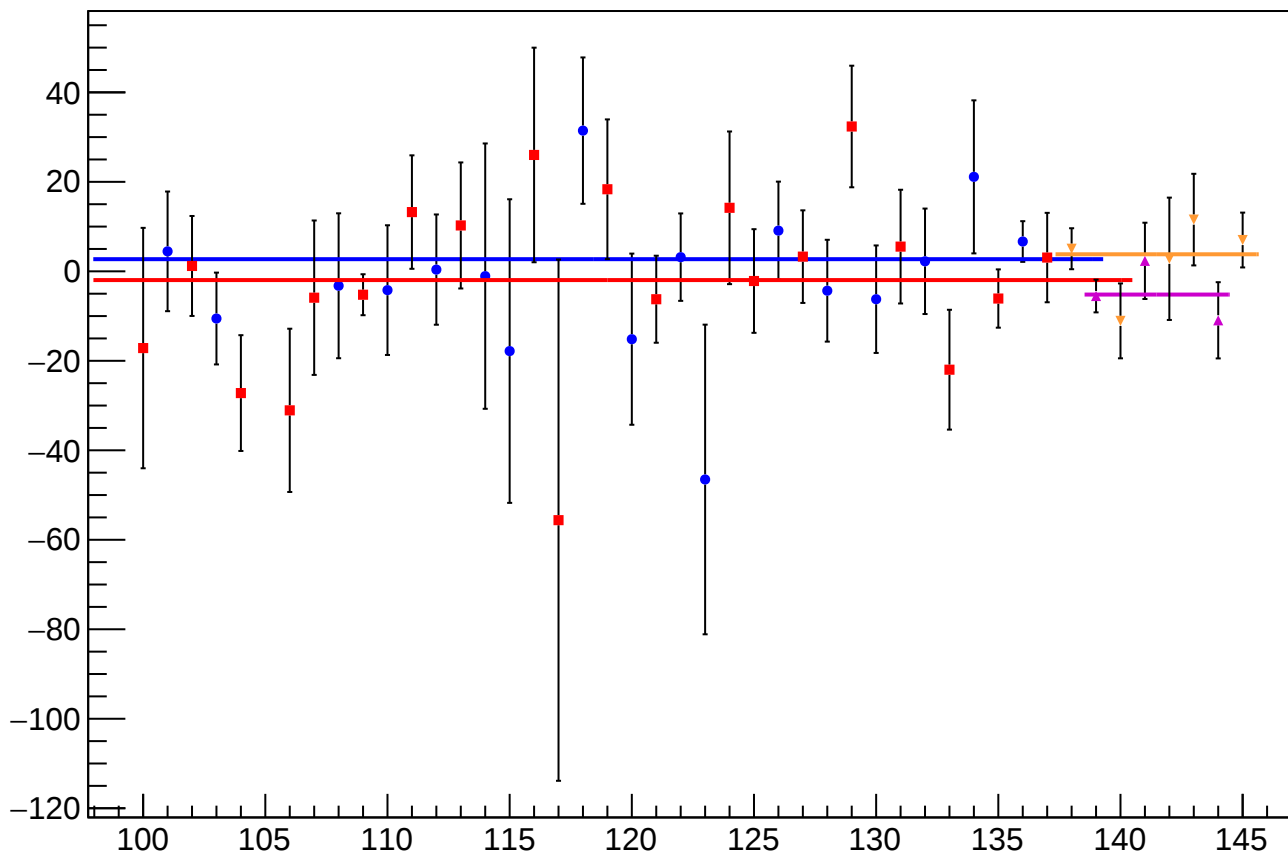
Left In: 8658.558+/-4.023 χ^2/NDF : 104047.5/2

10540.239+/-2.497 χ^2/NDF : 2039400.1/21

10972.147+/-1.863 χ^2/NDF : 4131733.3/4

11513.751+/-2.797 χ^2/NDF : 2024918.5/22

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.717 ± 2.752 χ^2/NDF : 11.6/16

Left Out: 3.811 ± 3.109 χ^2/NDF : 4.1/4

Right Out: -1.955 ± 2.437 χ^2/NDF : 24.4/19

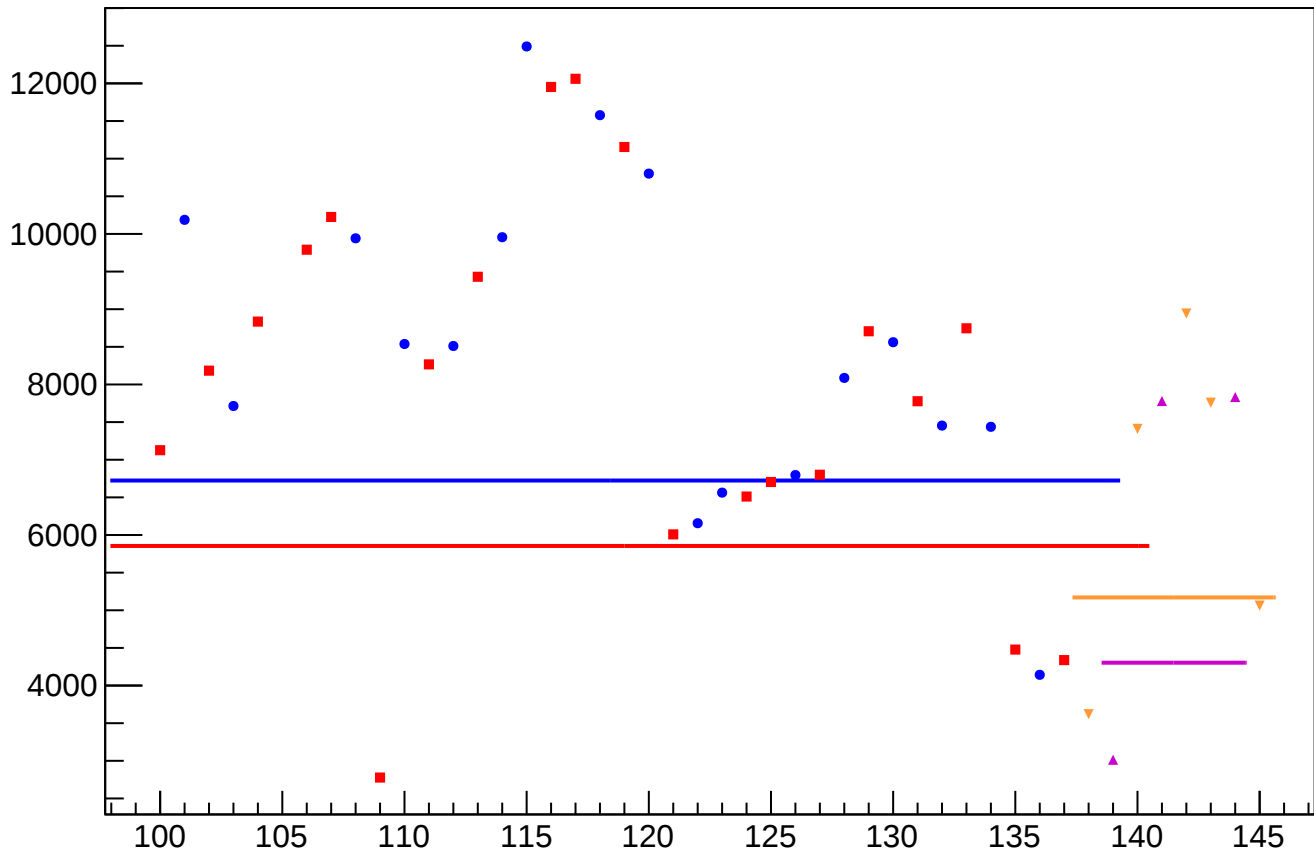
Left In: -5.192 ± 3.125 χ^2/NDF : 1.2/2

3.198 ± 2.061 χ^2/NDF : 15.8/21

-0.213 ± 1.405 χ^2/NDF : 47.2/44

-3.179 ± 1.922 χ^2/NDF : 26.3/22

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

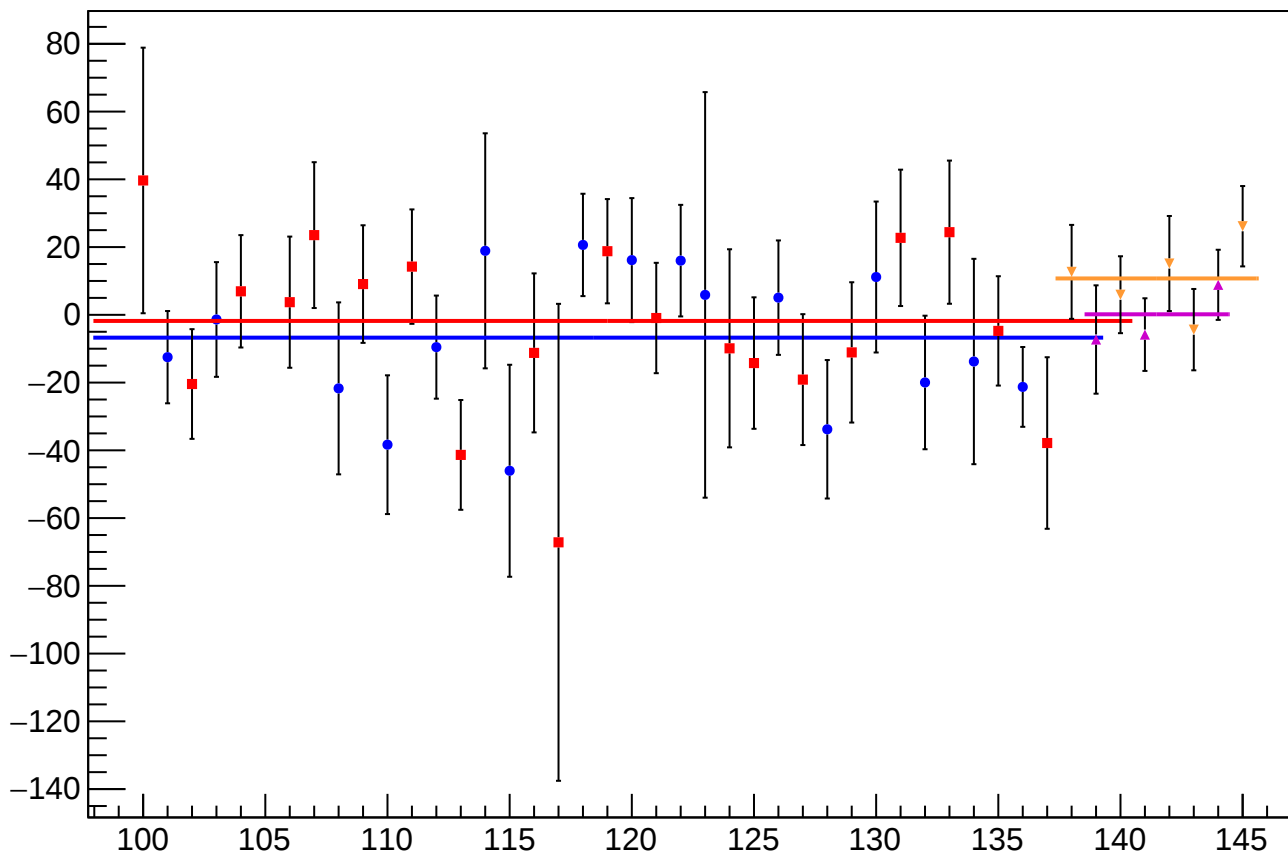
Left In: 4303.616 $\pm$ 2.210 χ^2/NDF : 924907.0/2

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

5627.891 $\pm$ 0.994 χ^2/NDF : 6007177.8/44

5268.244 $\pm$ 1.359 χ^2/NDF : 3531267.3/22

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

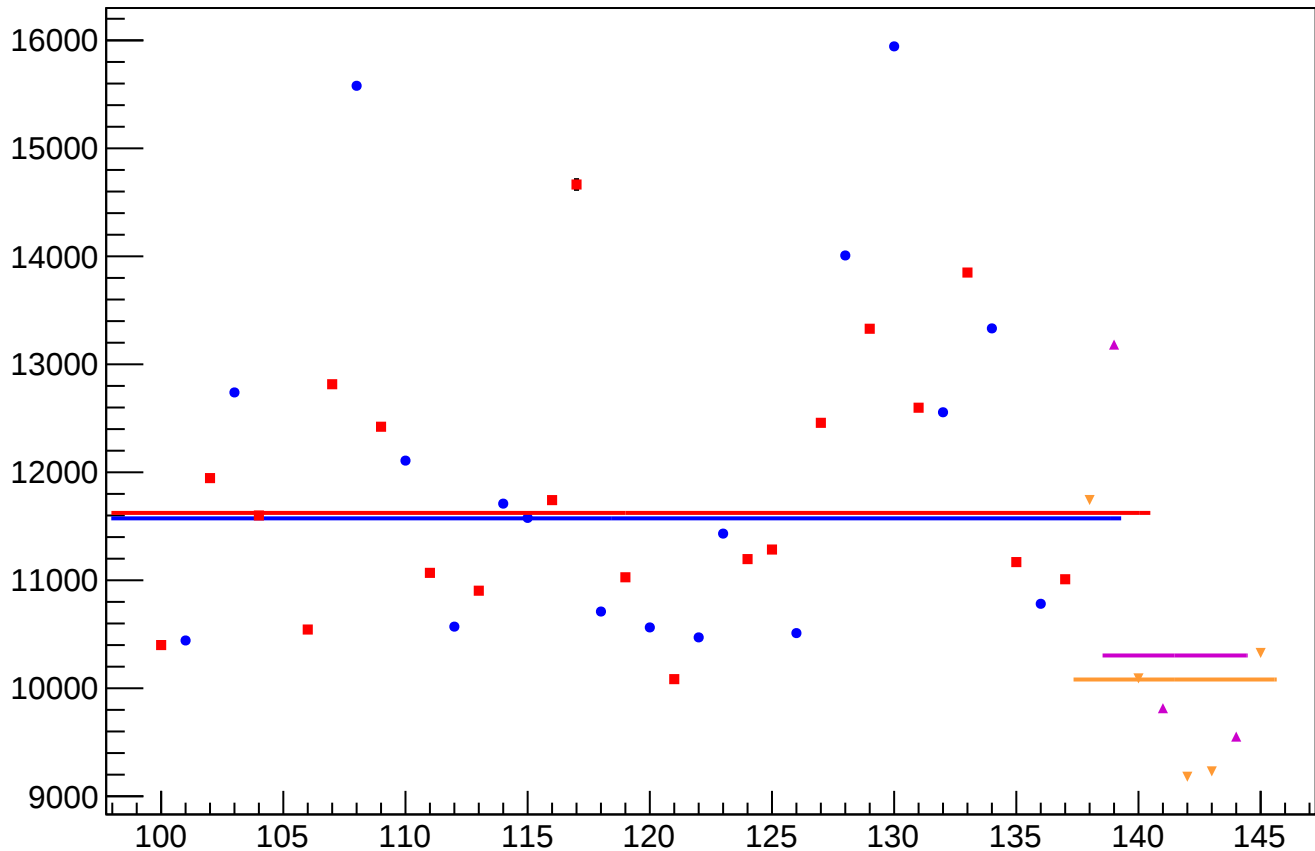
Left In: 0.158 $\pm$ 6.751 χ^2/NDF : 1.2/2

0.171 $\pm$ 3.510 χ^2/NDF : 26.4/21

-0.496 $\pm$ 2.535 χ^2/NDF : 48.6/44

-1.224 $\pm$ 3.665 χ^2/NDF : 22.1/22

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

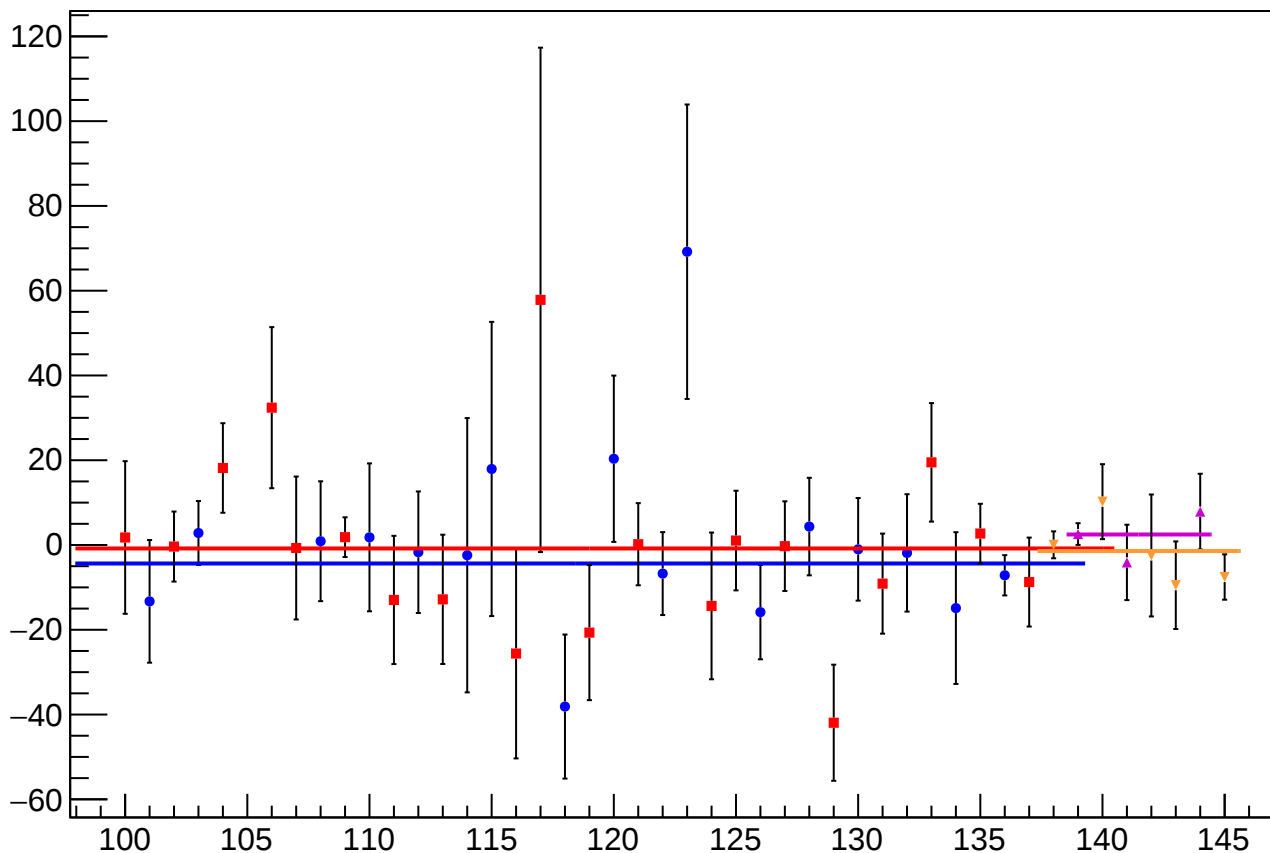
Left In: 10303.675+/-4.773 χ^2/NDF : 79501.4/2

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

11103.825+/-1.792 χ^2/NDF : 609461.0/44

11234.831+/-2.591 χ^2/NDF : 231509.8/22

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.361 $\pm$ 2.776 χ^2/NDF : 14.5/16

Left Out: -1.425 $\pm$ 2.493 χ^2/NDF : 3.9/4

Right Out: -0.816 $\pm$ 2.424 χ^2/NDF : 24.5/19

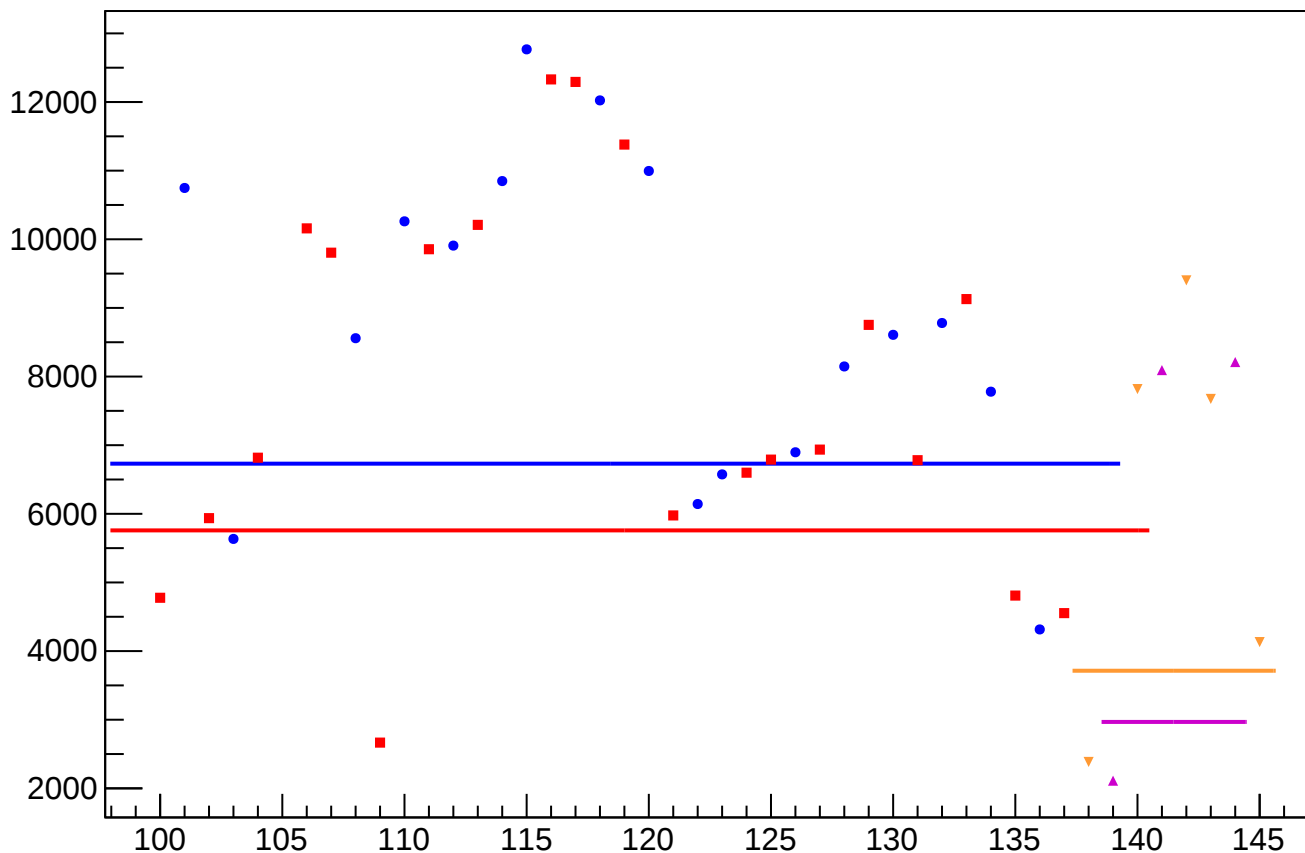
Left In: 2.483 $\pm$ 2.373 χ^2/NDF : 0.9/2

-2.735 $\pm$ 1.855 χ^2/NDF : 19.0/21

-0.772 $\pm$ 1.251 χ^2/NDF : 47.4/44

0.869 $\pm$ 1.696 χ^2/NDF : 26.4/22

diff_bpm11Y_rms vs Slug, Sign Corrected



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

Left Out: 3713.682 $\pm$ 1.763 χ^2/NDF :1399089.3/4

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

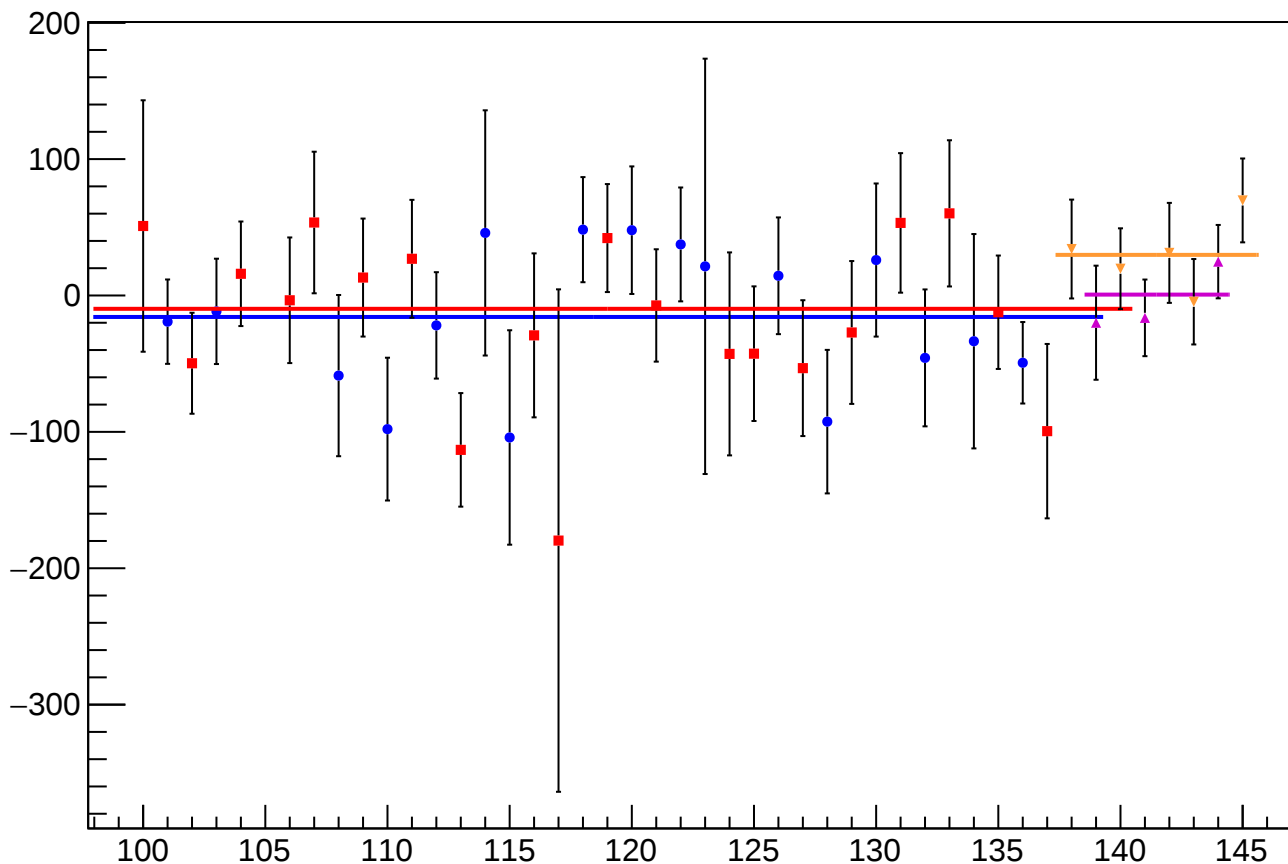
Left In: 2967.820 $\pm$ 1.678 χ^2/NDF :1576792.9/2

5060.410 $\pm$ 1.312 χ^2/NDF : 4151965.6/21

4664.281 $\pm$ 0.885 χ^2/NDF : 9436357.5/44

4333.252 $\pm$ 1.199 χ^2/NDF : 5116946.1/22

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

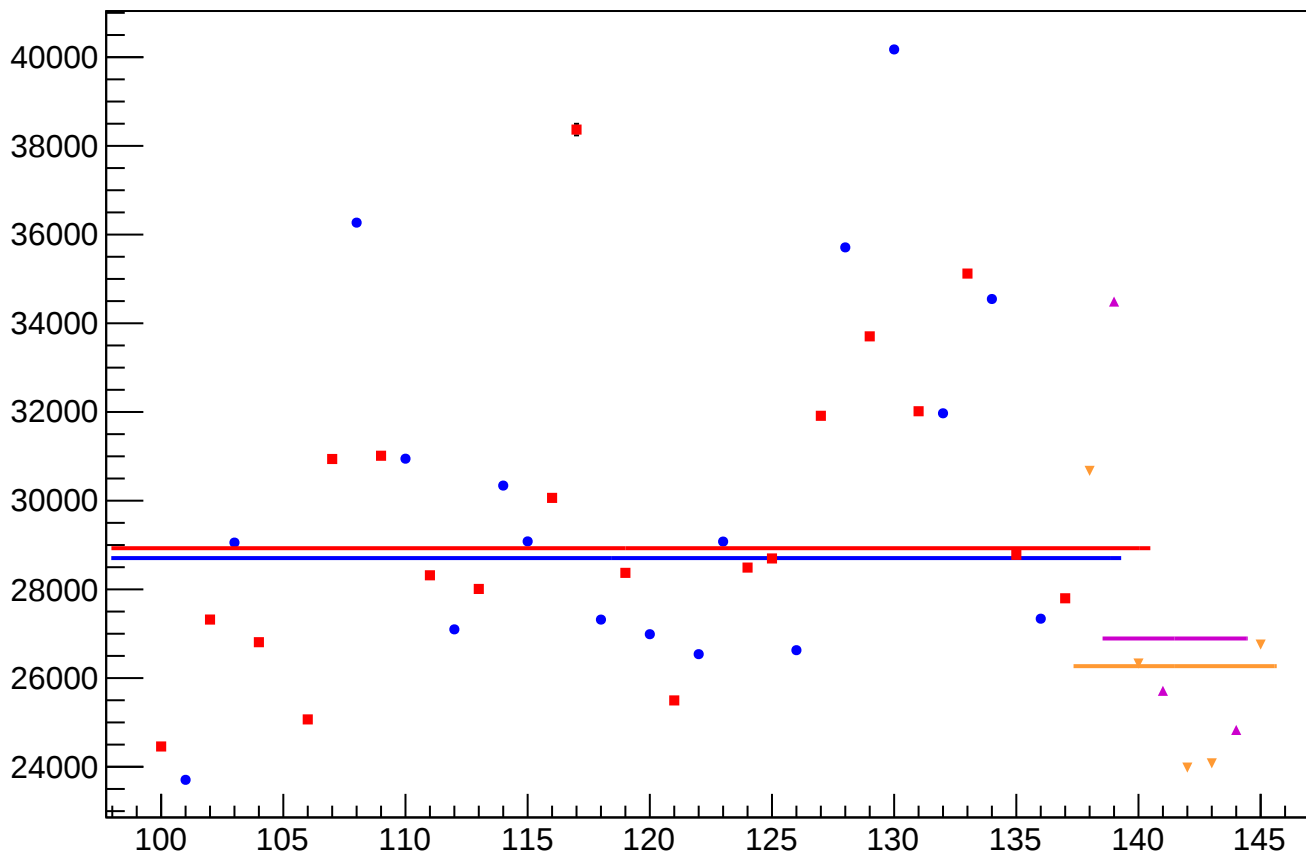
Left In: 0.641 $\pm$ 17.623 χ^2/NDF : 1.4/2

1.200 $\pm$ 8.879 χ^2/NDF : 25.1/21

-2.685 $\pm$ 6.406 χ^2/NDF : 47.3/44

-6.903 $\pm$ 9.252 χ^2/NDF : 21.8/22

diff_bpm12X_rms vs Slug, Sign Corrected



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

Left Out: 26268.862+/-10.289 χ^2/NDF : 47615.4/4

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

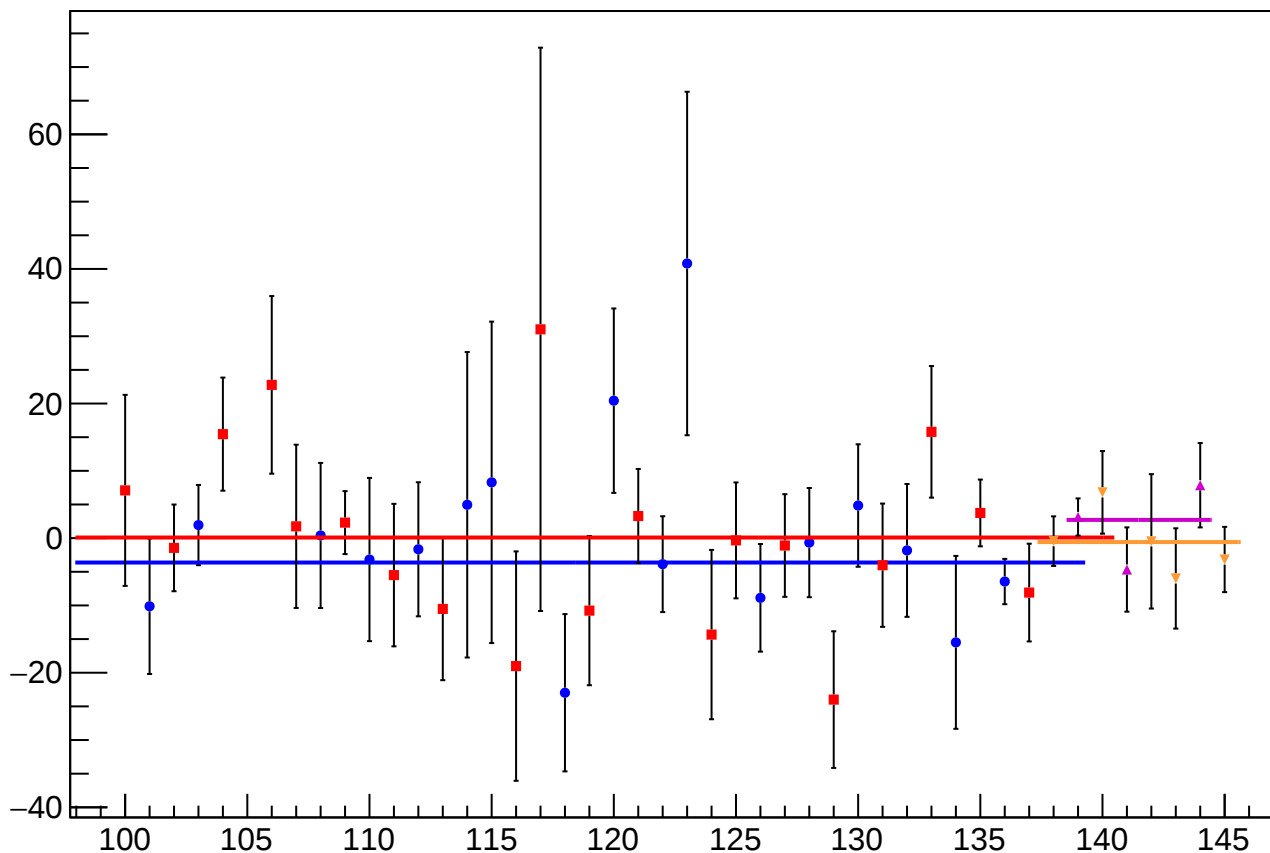
Left In: 26892.617+/-12.461 χ^2/NDF : 81245.7/2

27798.263+/-6.278 χ^2/NDF : 333810.2/21

28071.140+/-4.530 χ^2/NDF : 554814.2/44

28367.405+/-6.542 χ^2/NDF : 217064.0/22

diff_bpm12Y_mean vs Slug, Sign Corrected



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

Left Out: -0.584 $\pm$ 2.420 χ^2/NDF : 2.3/4

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

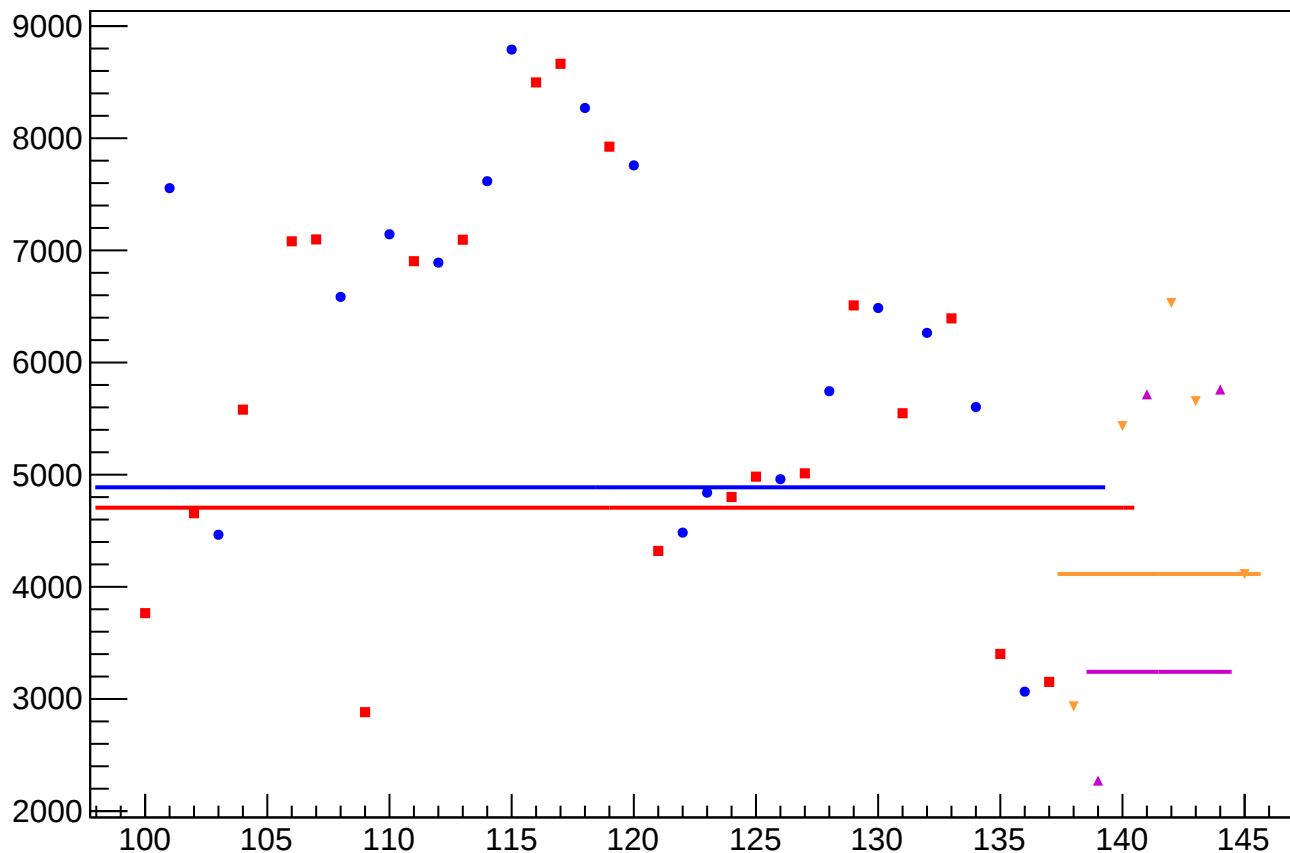
Left In: 2.710 $\pm$ 2.343 χ^2/NDF : 2.1/2

-2.387 $\pm$ 1.544 χ^2/NDF : 16.9/21

-0.546 $\pm$ 1.065 χ^2/NDF : 45.1/44

1.121 $\pm$ 1.470 χ^2/NDF : 25.5/22

diff_bpm12Y_rms vs Slug, Sign Corrected



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

Left Out: 4114.570 $\pm$ 1.711 χ^2/NDF : 500408.7/4

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

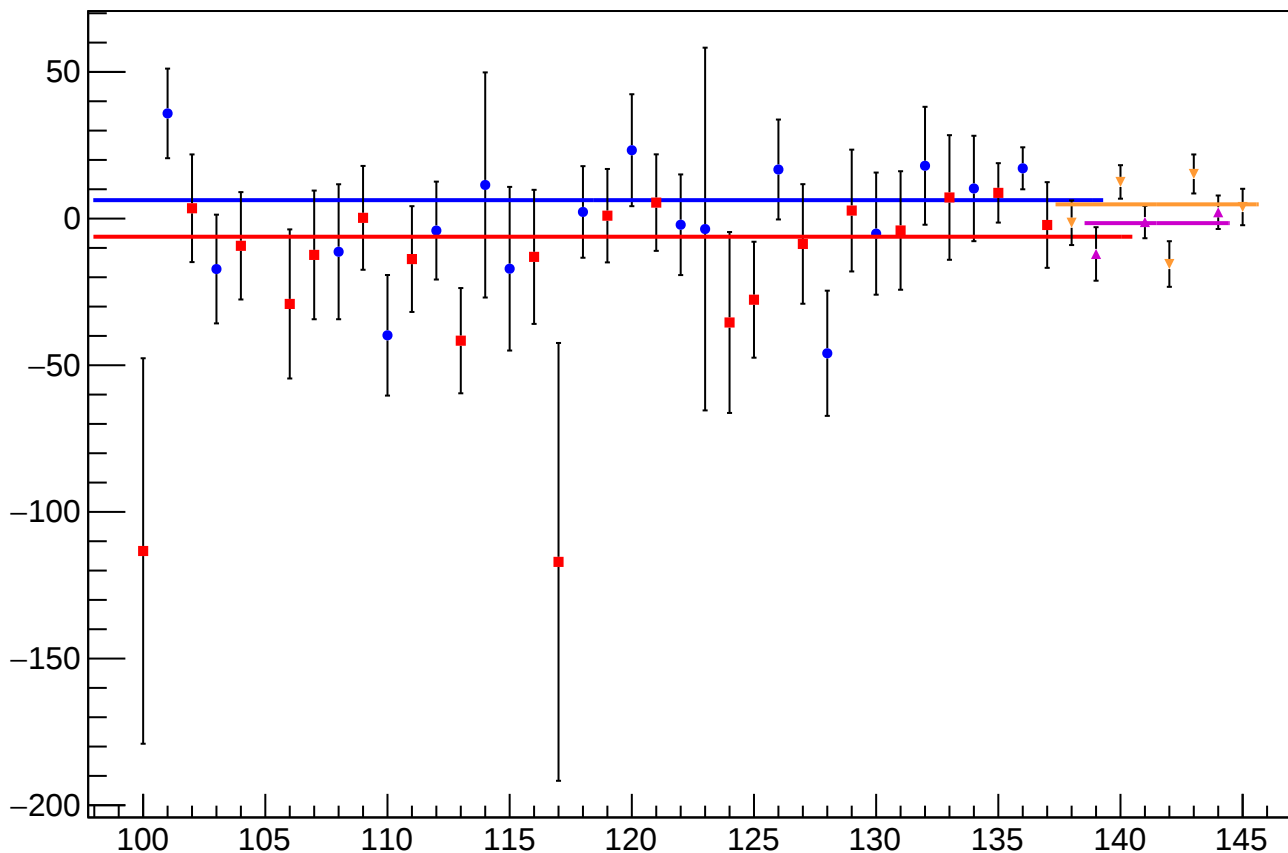
Left In: 3242.103 $\pm$ 1.657 χ^2/NDF : 881480.7/2

4572.709 $\pm$ 1.092 χ^2/NDF : 2030642.2/21

4340.305 $\pm$ 0.753 χ^2/NDF : 4802621.5/44

4129.682 $\pm$ 1.040 χ^2/NDF : 2685643.6/22

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.283 $\pm$ 4.064 χ^2/NDF : 22.5/16

Left Out: 4.858 $\pm$ 2.975 χ^2/NDF : 11.8/4

Right Out: -6.182 $\pm$ 4.212 χ^2/NDF : 16.0/19

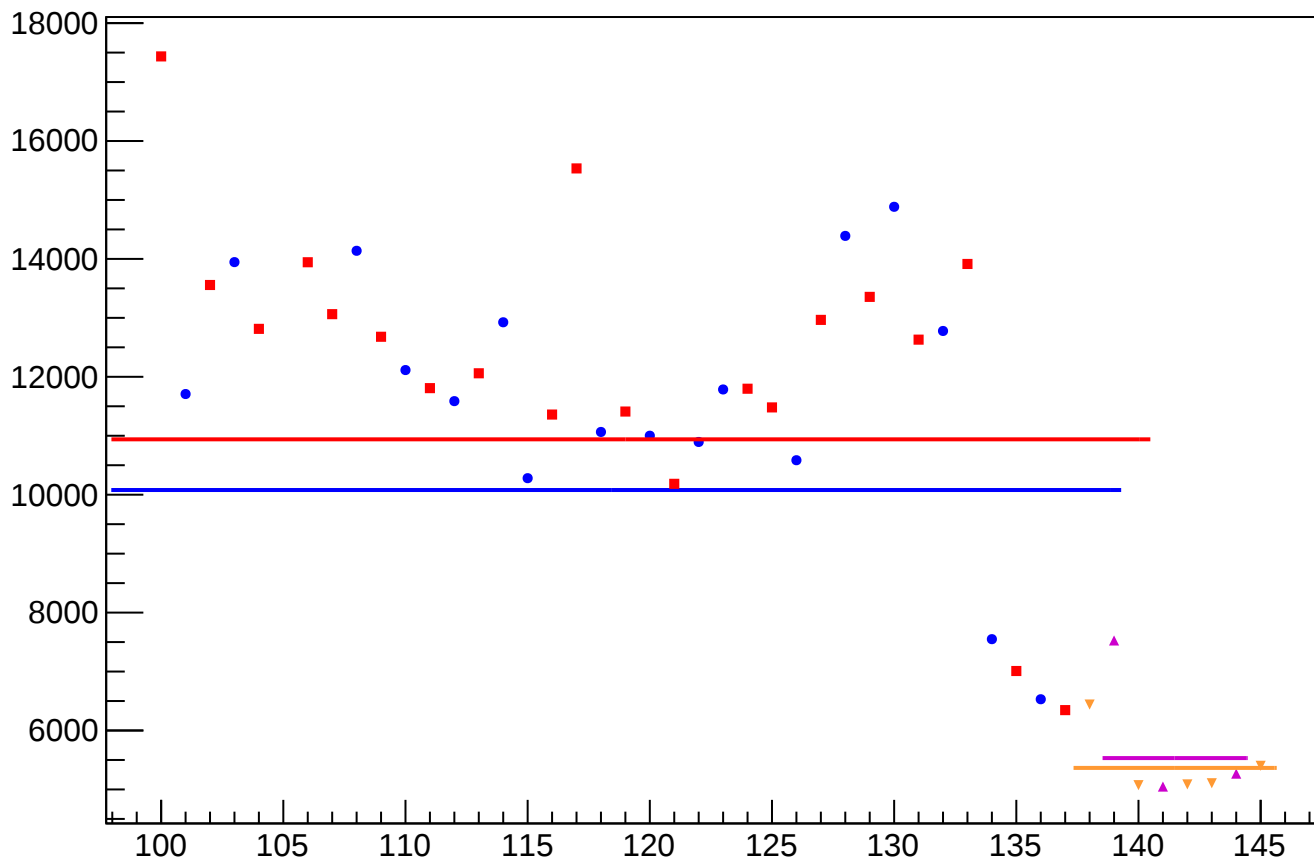
Left In: -1.548 $\pm$ 3.639 χ^2/NDF : 1.8/2

5.355 $\pm$ 2.401 χ^2/NDF : 34.4/21

1.519 $\pm$ 1.810 χ^2/NDF : 58.8/44

-3.529 $\pm$ 2.754 χ^2/NDF : 18.5/22

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

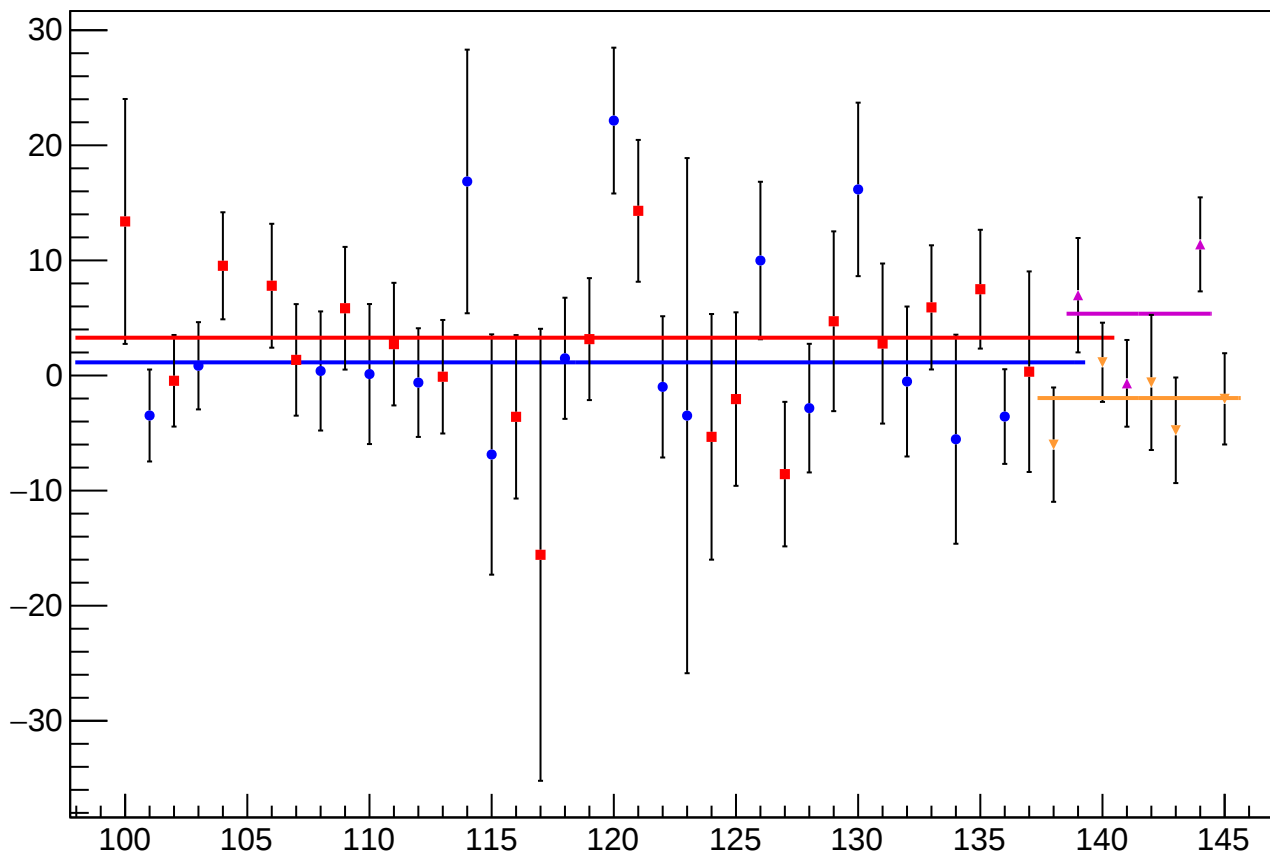
Left In: 5532.065 $\pm$ 2.573 χ^2/NDF : 115215.0/2

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

7369.884 $\pm$ 1.280 χ^2/NDF : 5679655.6/44

7843.097 $\pm$ 1.947 χ^2/NDF : 2778250.8/22

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.142 $\pm$ 1.395 χ^2/NDF : 23.2/16

Left Out: -1.959 $\pm$ 1.942 χ^2/NDF : 1.9/4

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

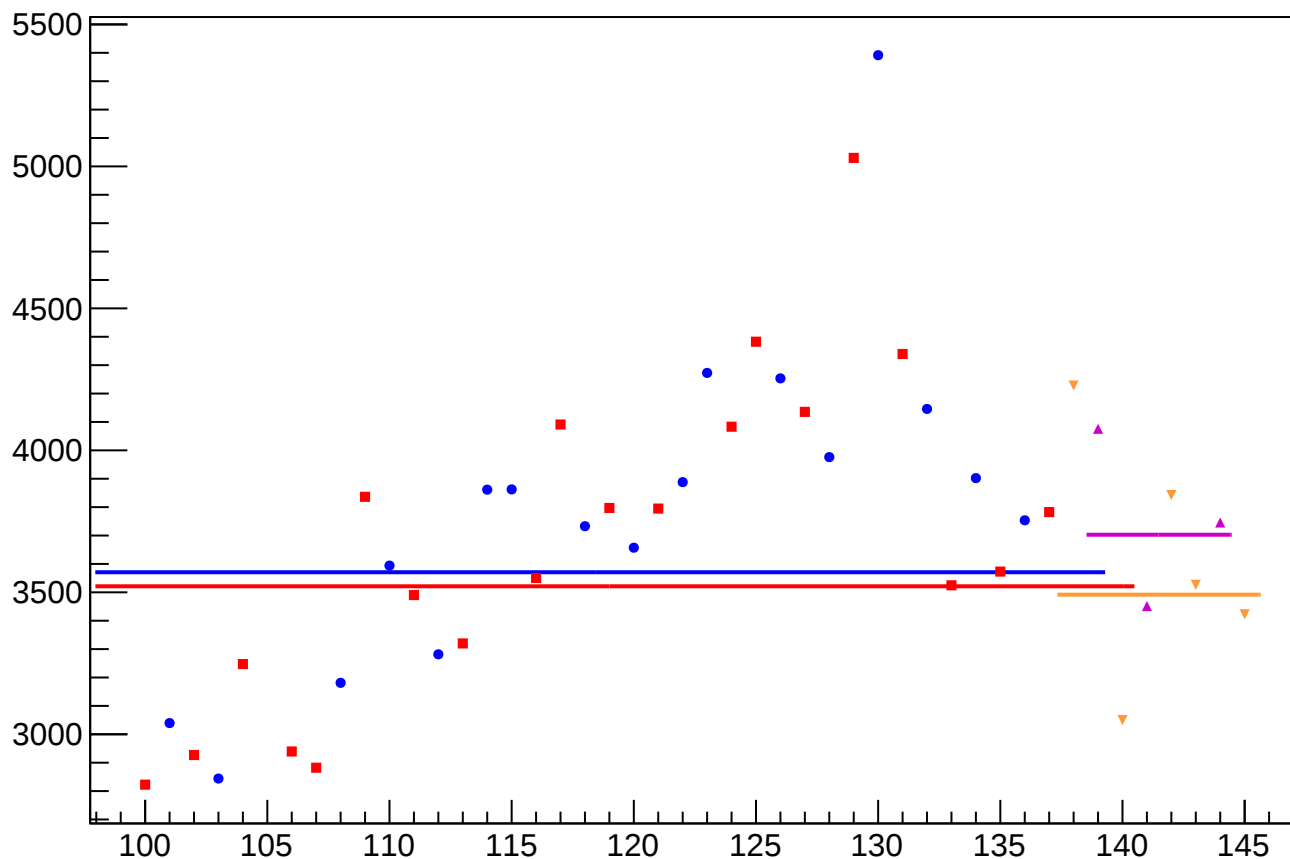
Left In: 5.369 $\pm$ 2.419 χ^2/NDF : 4.9/2

0.087 $\pm$ 1.133 χ^2/NDF : 26.8/21

1.875 $\pm$ 0.812 χ^2/NDF : 53.4/44

3.768 $\pm$ 1.166 χ^2/NDF : 21.4/22

diff_bpm16Y_rms vs Slug, Sign Corrected



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

Left Out: 3491.743 $\pm$ 1.373 χ^2 /NDF:84789.6/4

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

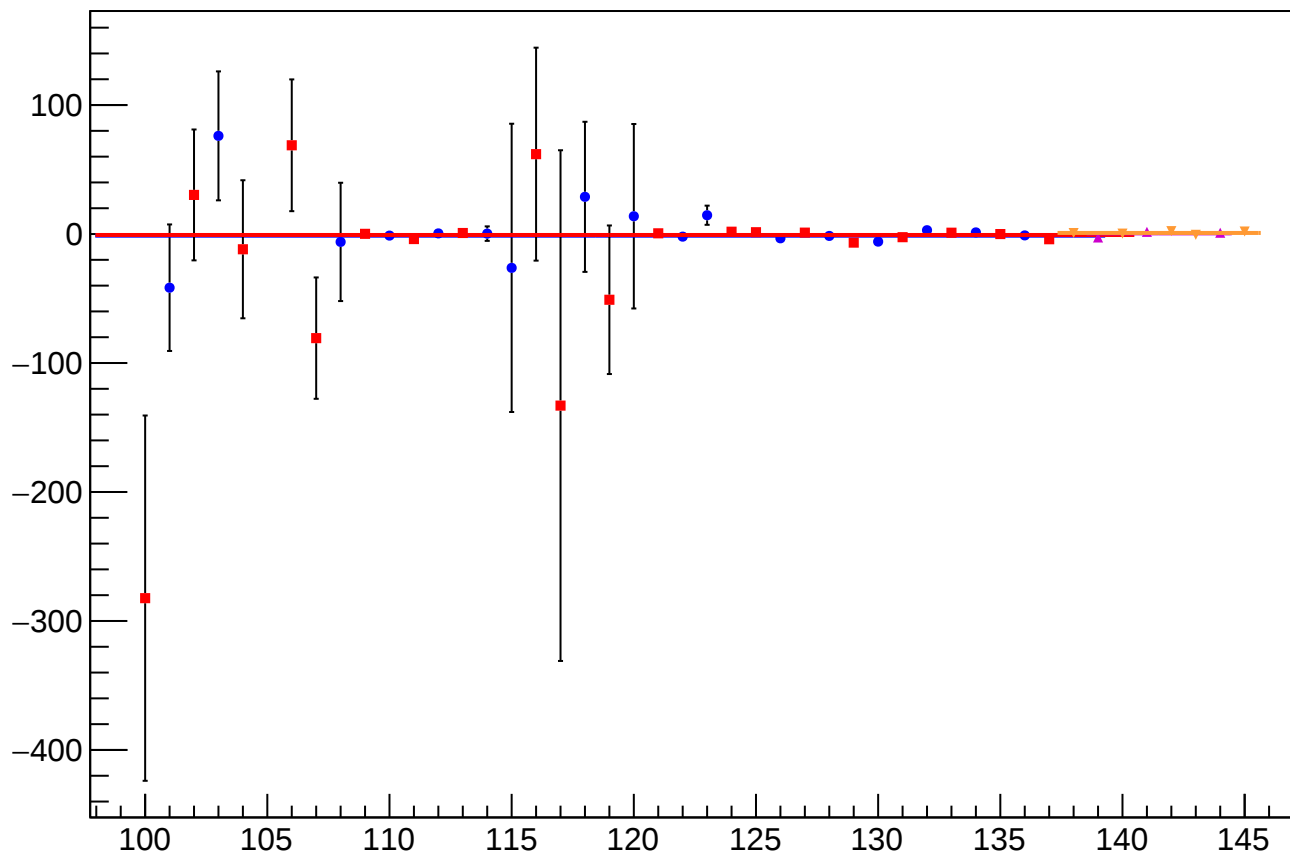
Left In: 3702.820 $\pm$ 1.711 χ^2 /NDF:20385.0/2

3543.825 $\pm$ 0.801 χ^2 /NDF: 396538.5/21

3553.334 $\pm$ 0.574 χ^2 /NDF: 720784.4/44

3563.396 $\pm$ 0.824 χ^2 /NDF: 323955.9/22

diff_bpm1p02bX_mean vs Slug, Sign Corrected



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

Left Out: 0.838 $\pm$ 0.564 χ^2/NDF : 3.4/4

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

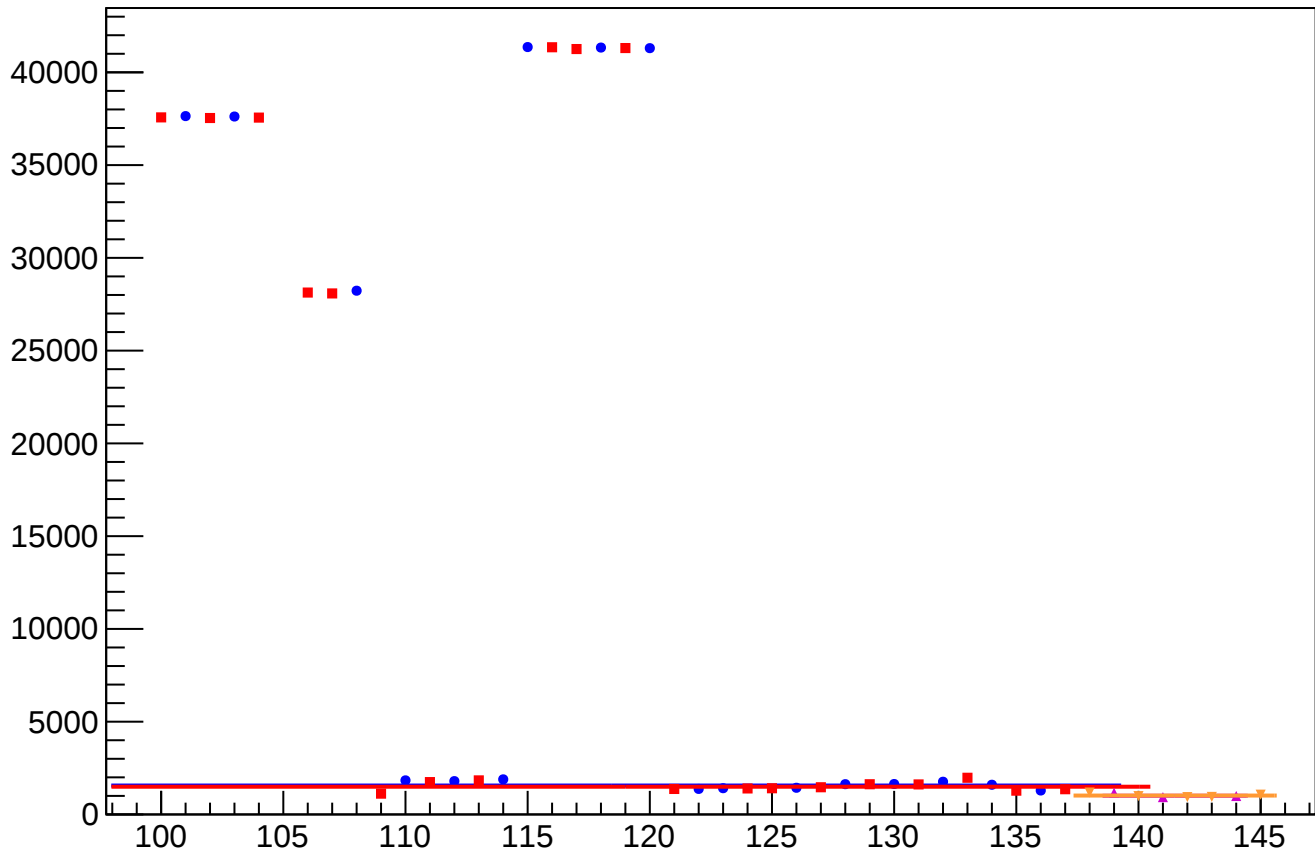
Left In: 0.503 $\pm$ 0.659 χ^2/NDF : 6.5/2

0.078 $\pm$ 0.450 χ^2/NDF : 24.7/21

0.009 $\pm$ 0.329 χ^2/NDF : 55.4/44

-0.069 $\pm$ 0.483 χ^2/NDF : 30.7/22

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

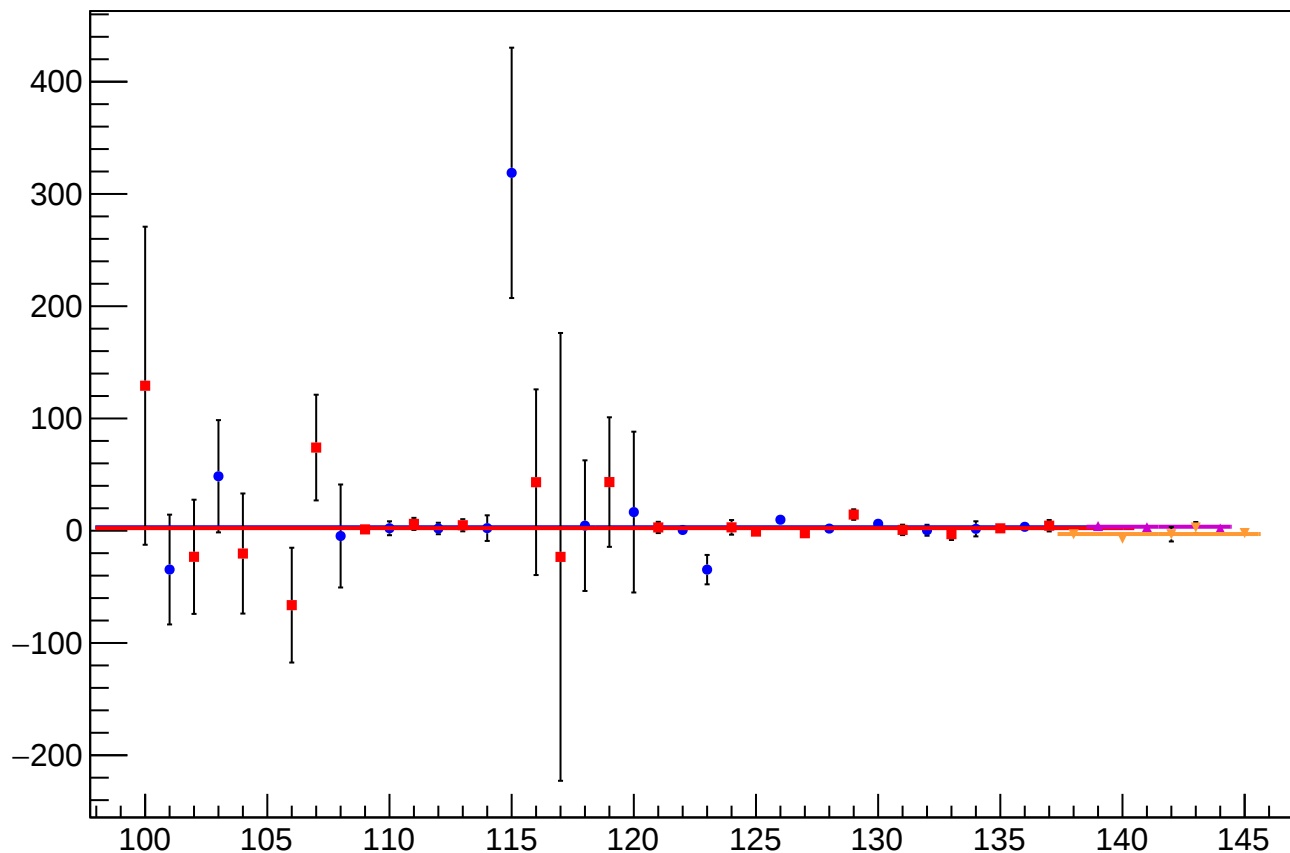
Left In: 1006.757 $\pm$ 0.466 χ^2/NDF : 35937.0/2

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

1222.925 $\pm$ 0.233 χ^2/NDF : 10984044.9/4

1232.526 $\pm$ 0.341 χ^2/NDF : 5517936.3/22

diff_bpm1p02bY_mean vs Slug, Sign Corrected



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

Left Out: -2.948+/-1.583 χ^2/NDF : 2.5/4

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

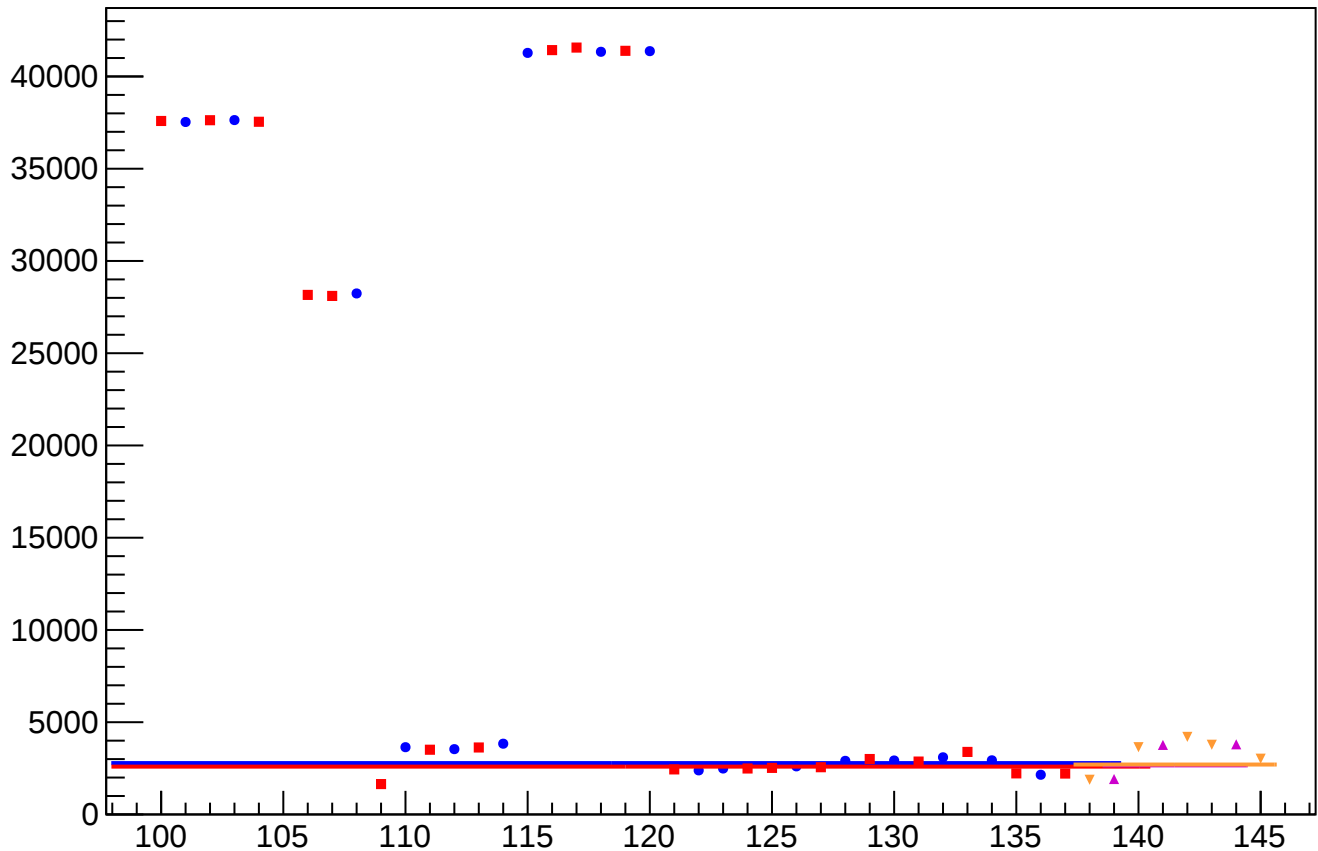
Left In: 3.547+/-1.839 χ^2/NDF : 0.2/2

0.598+/-1.015 χ^2/NDF : 32.9/21

1.635+/-0.721 χ^2/NDF : 52.5/44

2.691+/-1.025 χ^2/NDF : 17.5/22

diff_bpm1p02bY_rms vs Slug, Sign Corrected



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

Left Out: 2705.552+/-1.120 χ^2/NDF : 590090.4/4

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

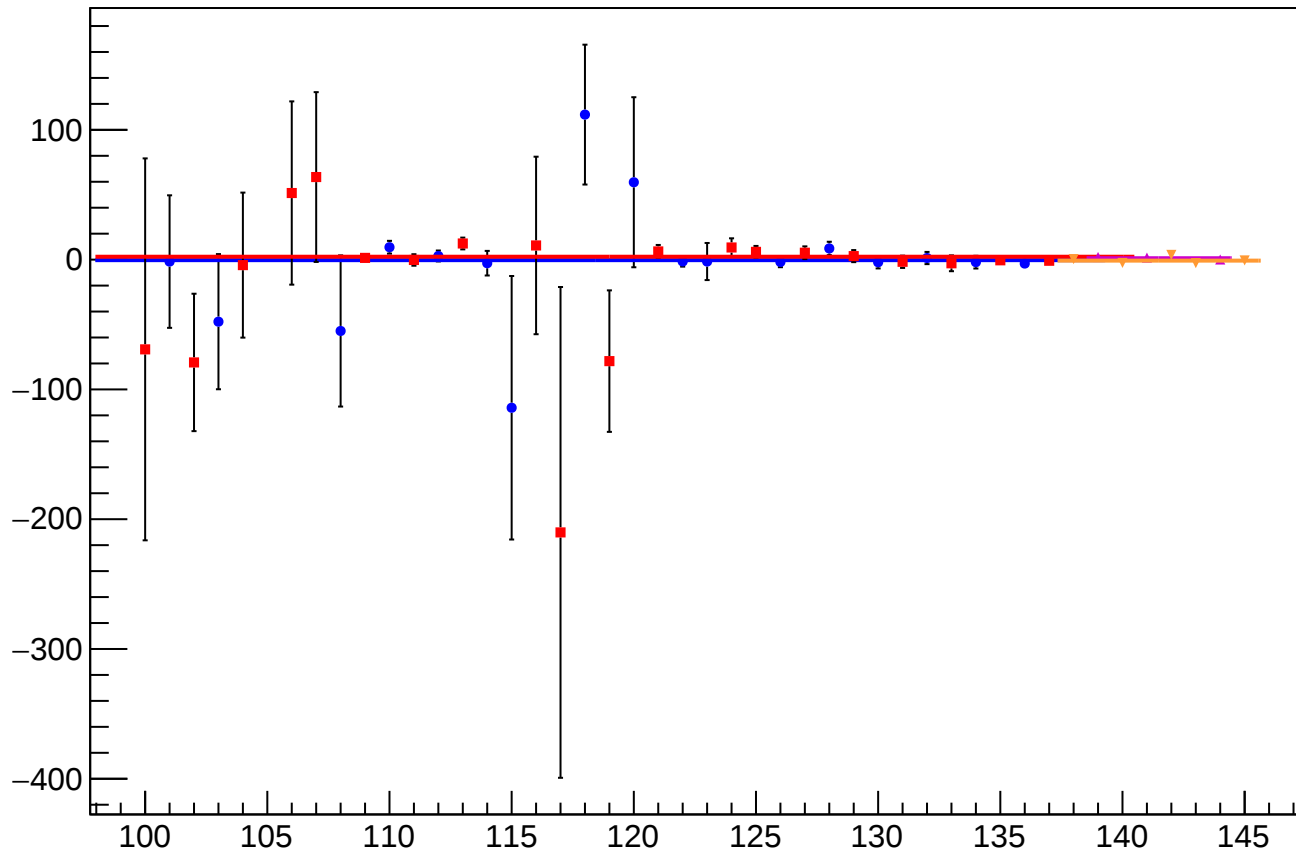
Left In: 2659.429+/-1.300 χ^2/NDF : 492383.8/2

2751.737+/-0.718 χ^2/NDF : 5170404.2/21

2683.217+/-0.510 χ^2/NDF : 10606071.9/4

2613.405+/-0.725 χ^2/NDF : 5417280.1/22

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

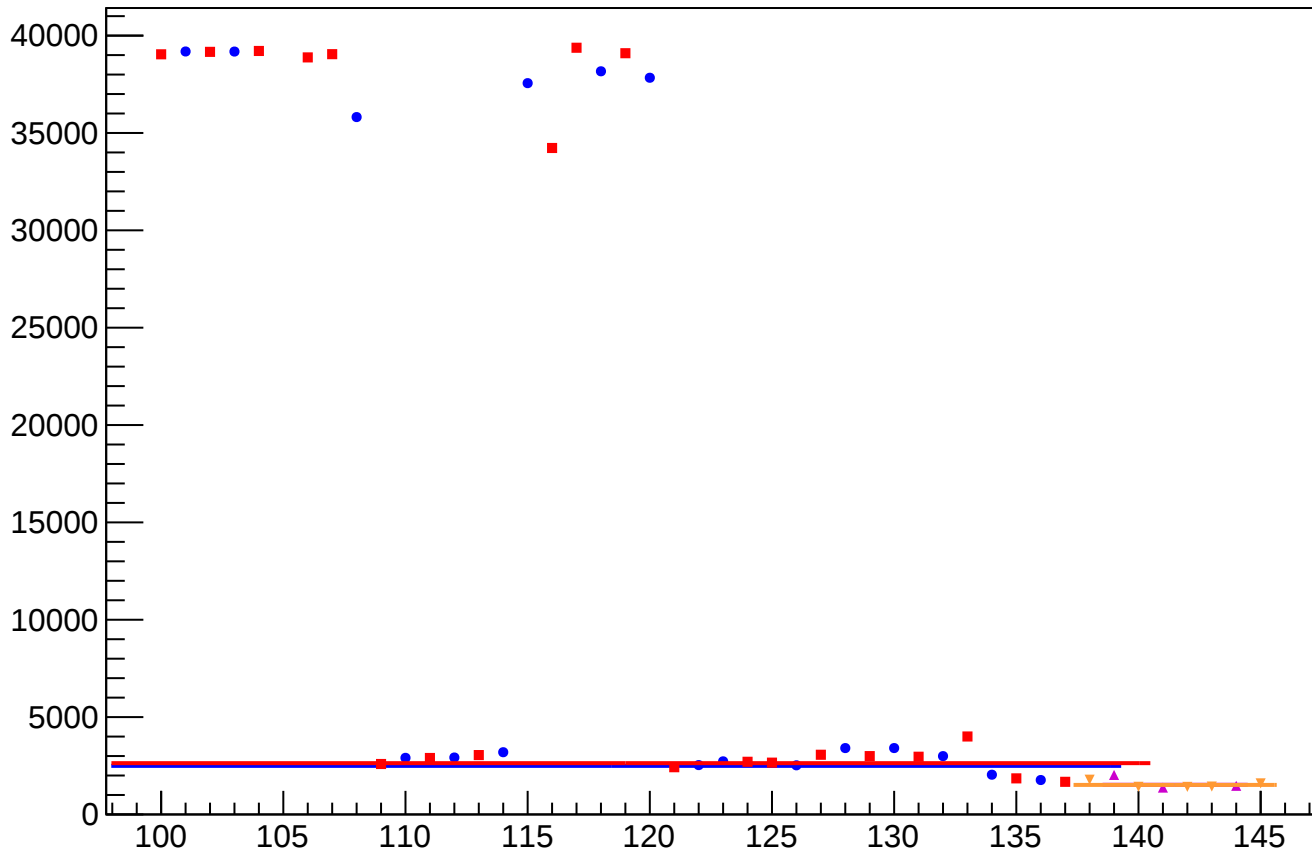
Left In: 1.079 ± 1.004 χ^2/NDF : 0.6/2

-0.645 ± 0.691 χ^2/NDF : 25.1/21

0.312 ± 0.518 χ^2/NDF : 49.3/44

1.534 ± 0.782 χ^2/NDF : 19.9/22

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2495.603 $\pm$ 0.861 χ^2/NDF : 4882334.6/16

Left Out: 1517.437 $\pm$ 0.594 χ^2/NDF : 51987.2/4

Right Out: 2634.840 $\pm$ 0.881 χ^2/NDF : 4936039.0/19

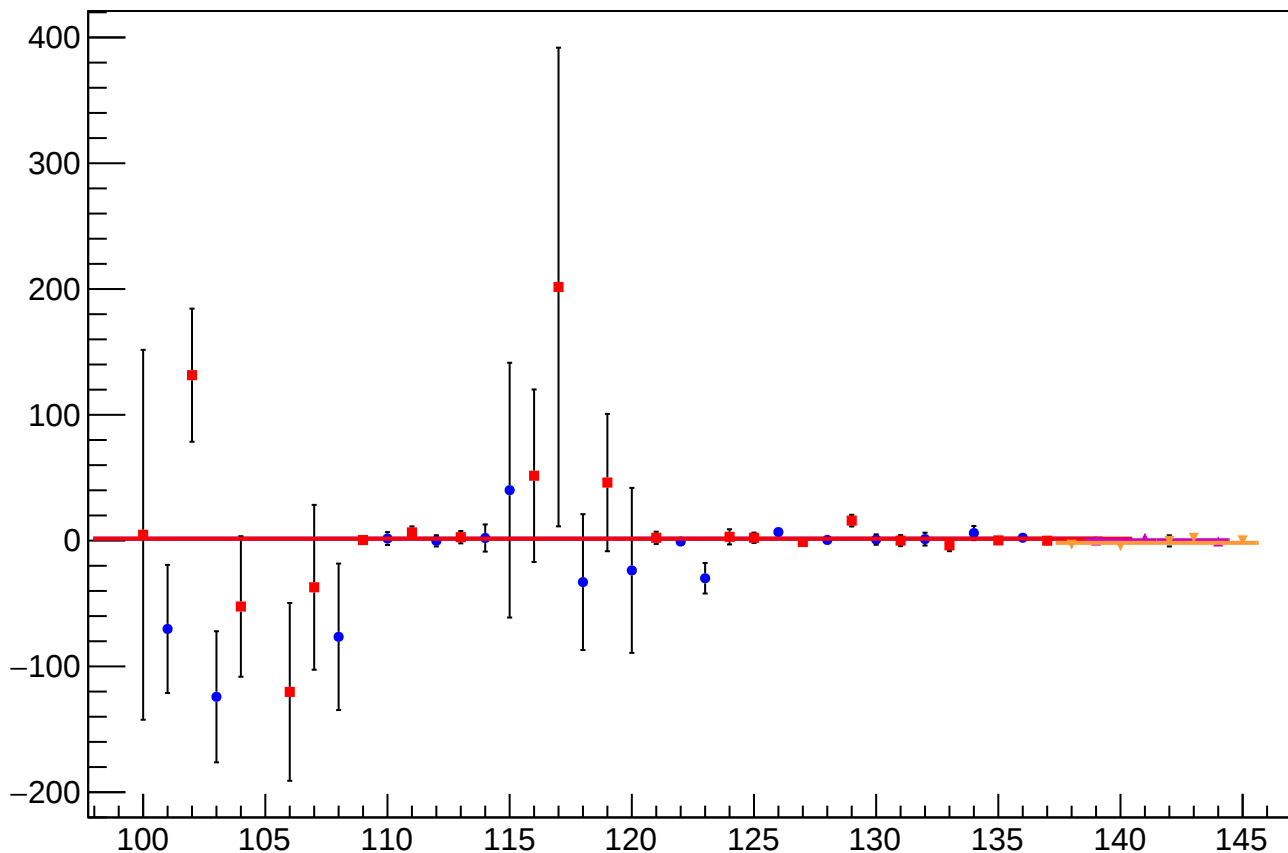
Left In: 1523.900 $\pm$ 0.710 χ^2/NDF : 105105.1/2

1832.694 $\pm$ 0.489 χ^2/NDF : 5808748.8/21

1889.067 $\pm$ 0.366 χ^2/NDF : 11844547.1/4

1961.114 $\pm$ 0.553 χ^2/NDF : 6005507.2/22

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

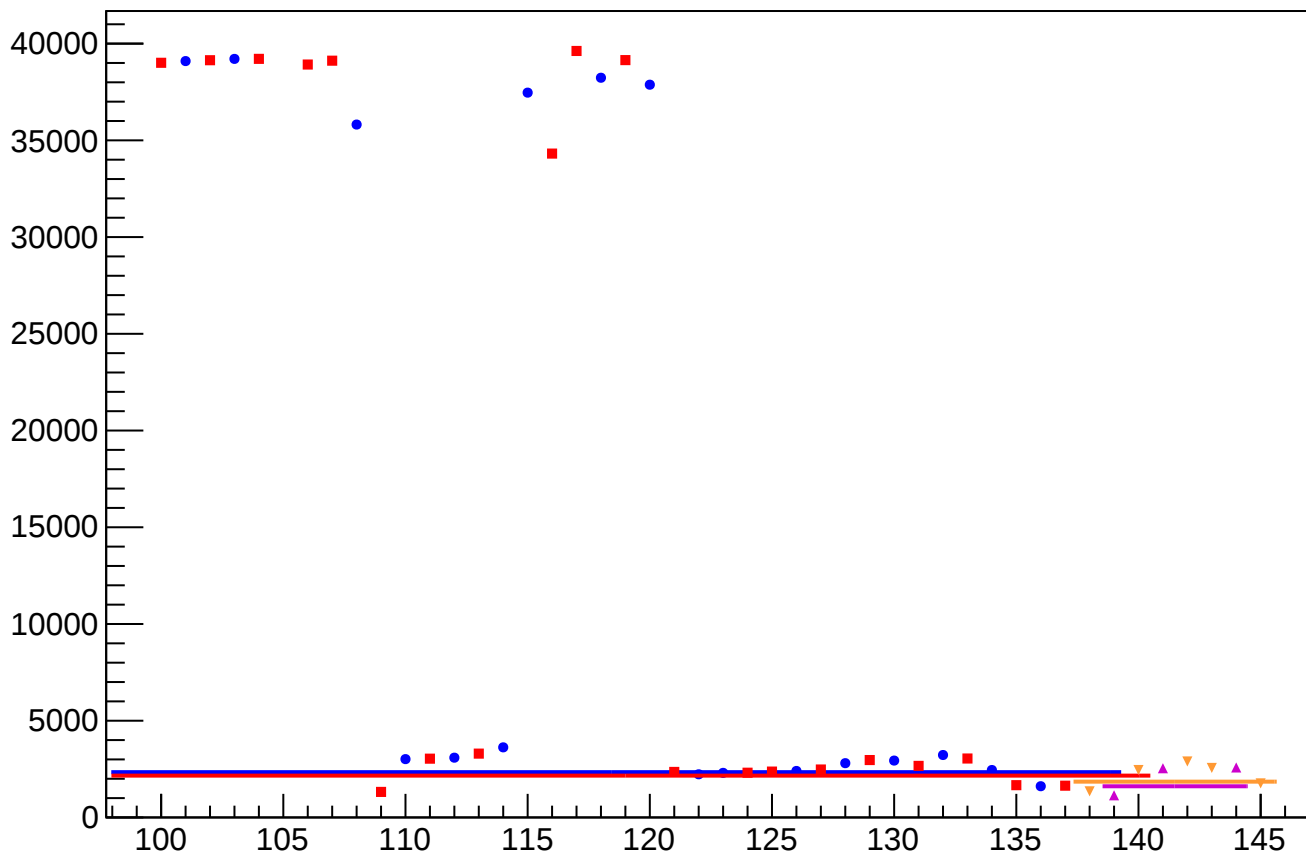
Left In: 0.319+/-1.138 χ^2/NDF : 0.7/2

-0.169+/-0.790 χ^2/NDF : 28.8/21

0.408+/-0.554 χ^2/NDF : 57.2/44

0.966+/-0.776 χ^2/NDF : 27.4/22

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2341.130 ± 0.808 $\chi^2/\text{NDF}: 5006864.7/16$

Left Out: 1850.887 ± 0.774 $\chi^2/\text{NDF}: 471804.8/4$

Right Out: 2162.329 ± 0.751 $\chi^2/\text{NDF}: 5376569.5/19$

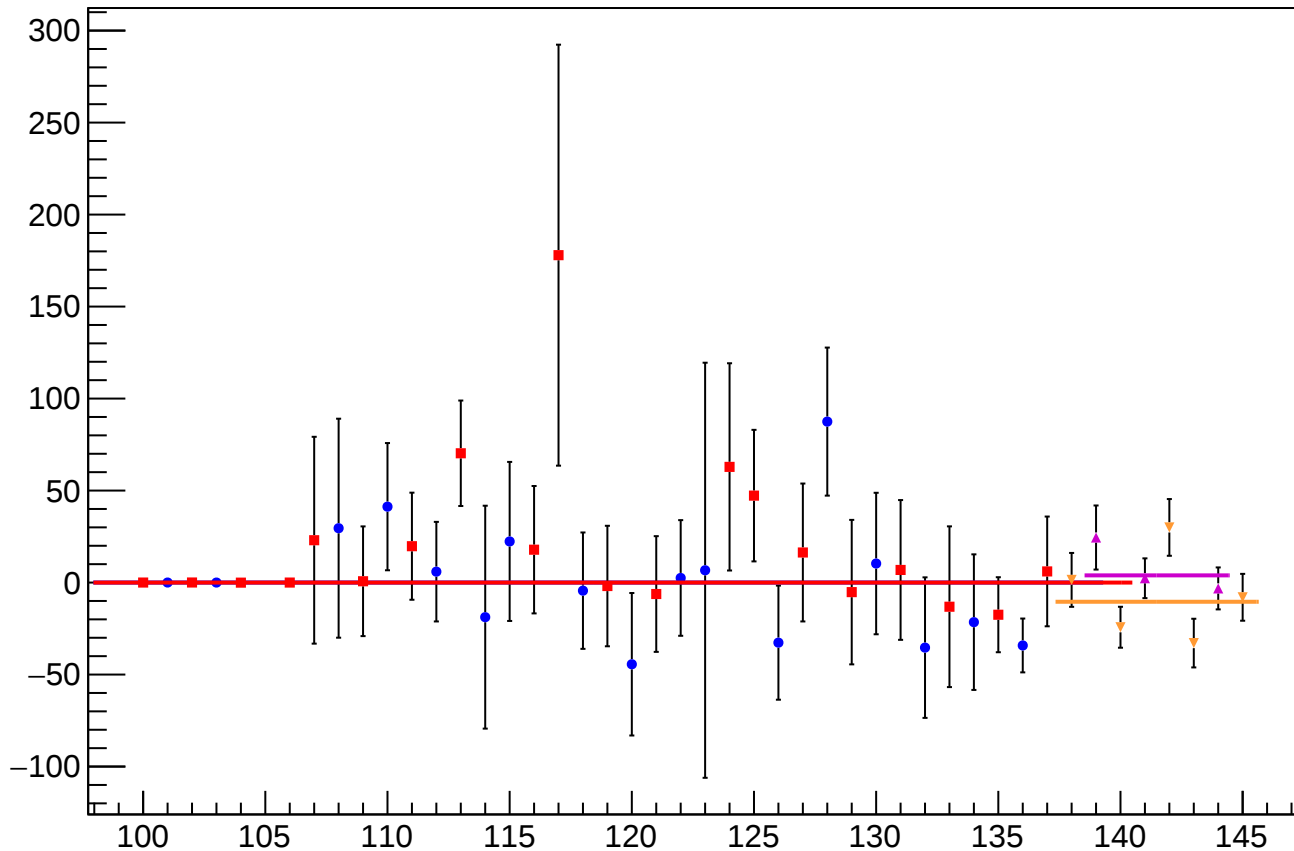
Left In: 1611.767 ± 0.804 $\chi^2/\text{NDF}: 686270.7/2$

2085.313 ± 0.559 $\chi^2/\text{NDF}: 5670673.6/21$

1993.996 ± 0.392 $\chi^2/\text{NDF}: 12036267.3/4$

1905.895 ± 0.549 $\chi^2/\text{NDF}: 6313138.2/22$

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

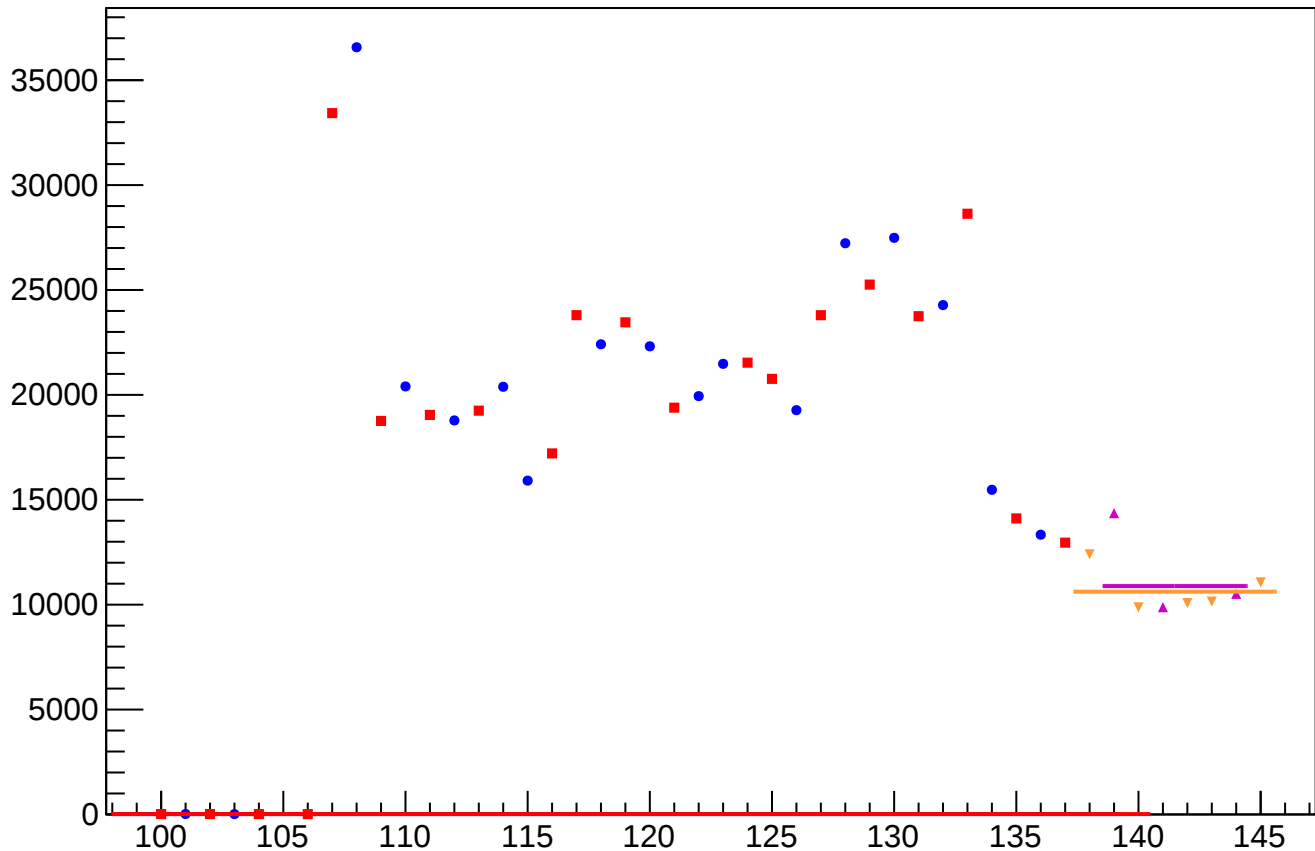
Left In: 3.910 ± 7.152 χ^2/NDF : 1.8/2

0.013 ± 0.017 χ^2/NDF : 31.3/21

0.004 ± 0.012 χ^2/NDF : 52.2/44

-0.003 ± 0.016 χ^2/NDF : 20.4/22

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 $\chi^2/\text{NDF}: 11197081.8/19$

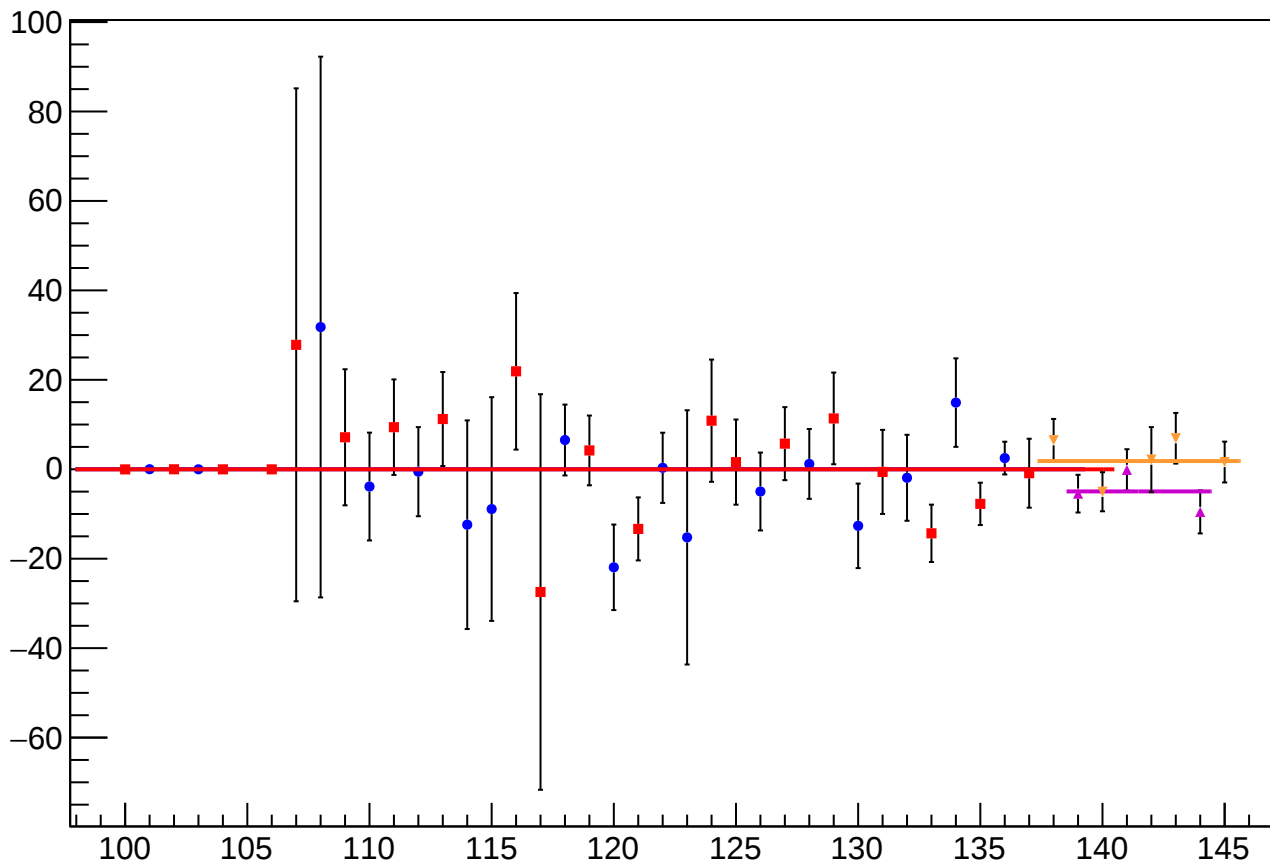
Left In: 10885.923 ± 5.057 $\chi^2/\text{NDF}: 99162.8/2$

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

18.536 ± 0.008 $\chi^2/\text{NDF}: 33424783.1/44$

18.367 ± 0.011 $\chi^2/\text{NDF}: 15914118.0/22$

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

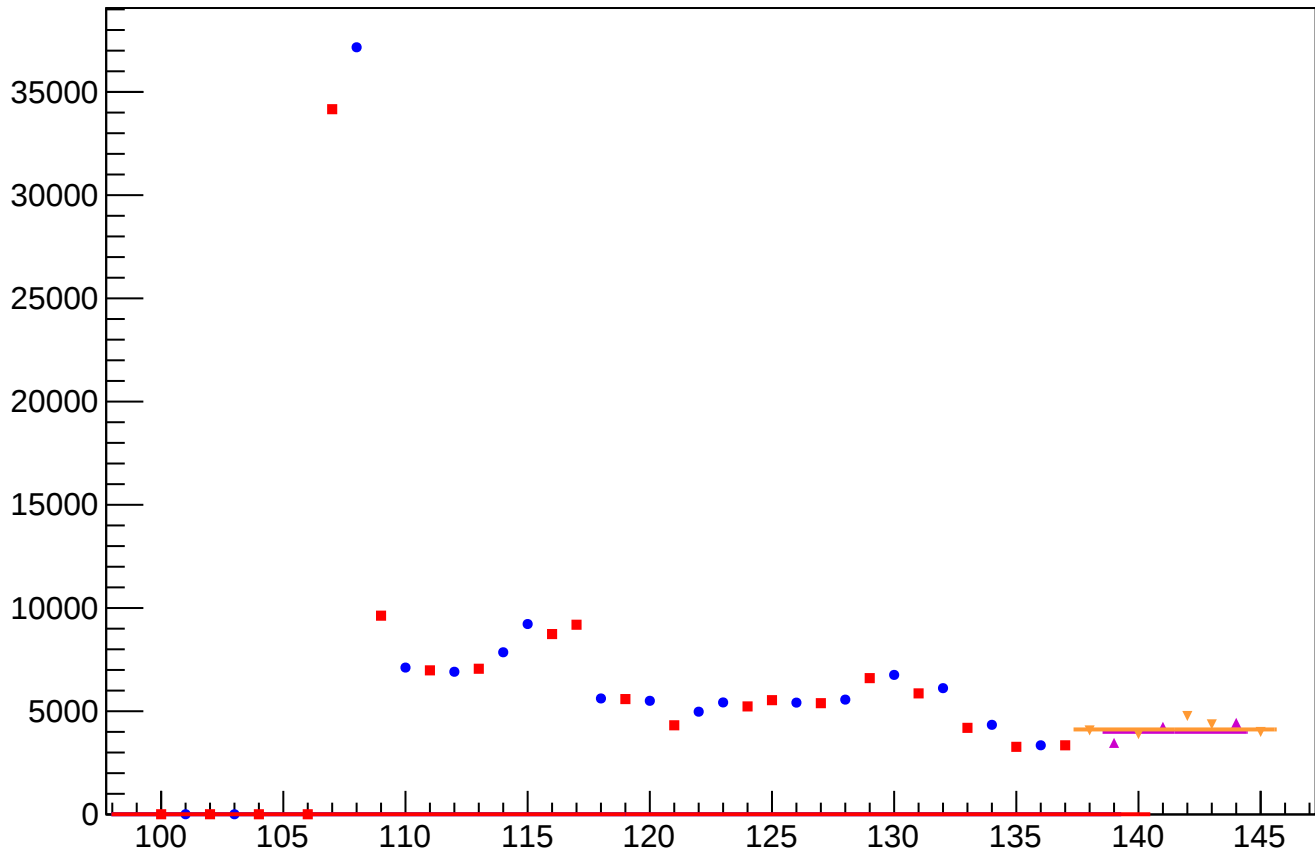
Left In: -4.956 $\pm$ 2.616 χ^2/NDF : 2.0/2

0.001 $\pm$ 0.009 χ^2/NDF : 17.9/21

-0.007 $\pm$ 0.006 χ^2/NDF : 43.9/44

-0.014 $\pm$ 0.009 χ^2/NDF : 24.5/22

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

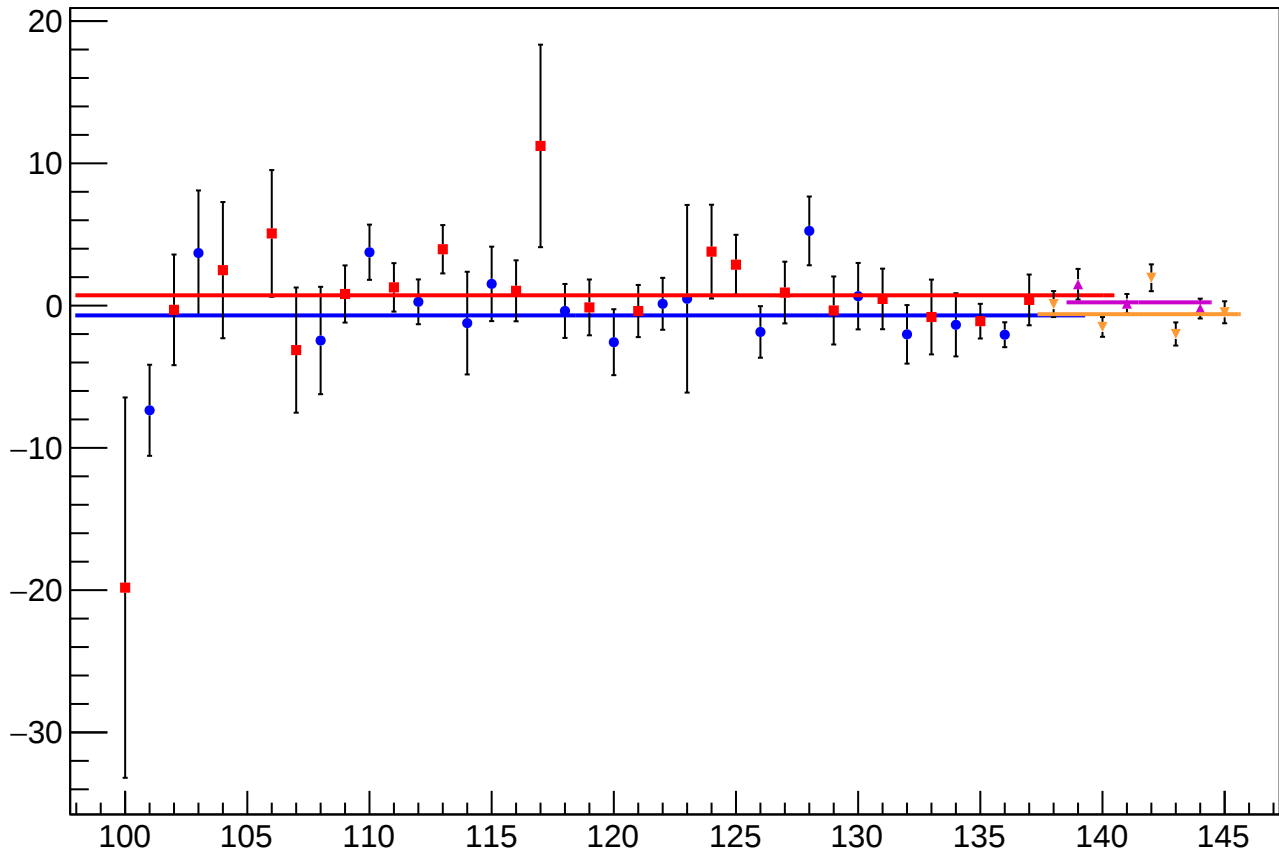
Left In: 4003.198+/-1.850 χ^2/NDF : 54046.4/2

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

9.949+/-0.004 χ^2/NDF : 33668925.2/44

9.898+/-0.006 χ^2/NDF : 15961965.7/22

diff_cav4cX_mean vs Slug, Sign Corrected



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

Left Out: -0.603 $\pm$ 0.363 χ^2/NDF : 12.6/4

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

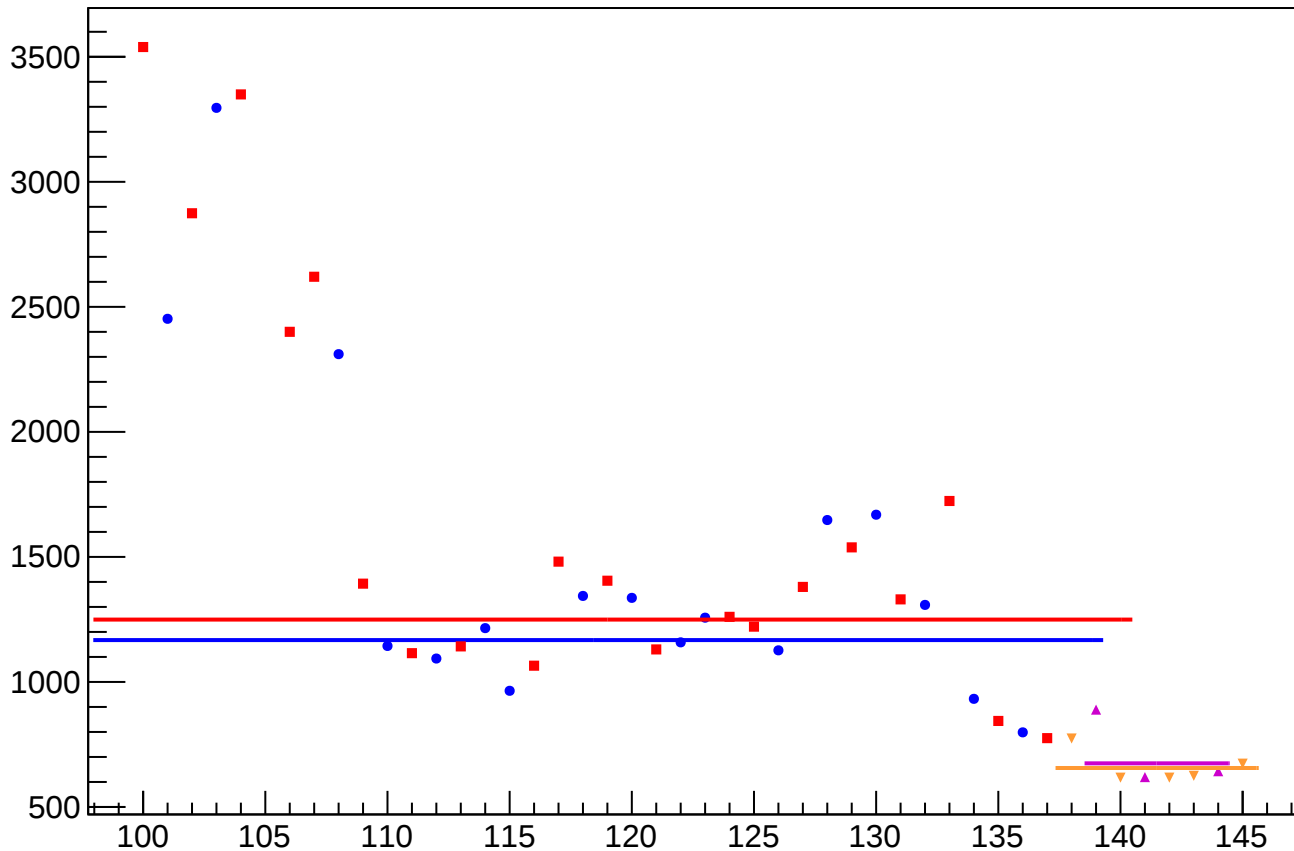
Left In: 0.229 $\pm$ 0.443 χ^2/NDF : 1.8/2

-0.634 $\pm$ 0.290 χ^2/NDF : 35.1/21

-0.165 $\pm$ 0.218 χ^2/NDF : 59.0/44

0.447 $\pm$ 0.331 χ^2/NDF : 17.9/22

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

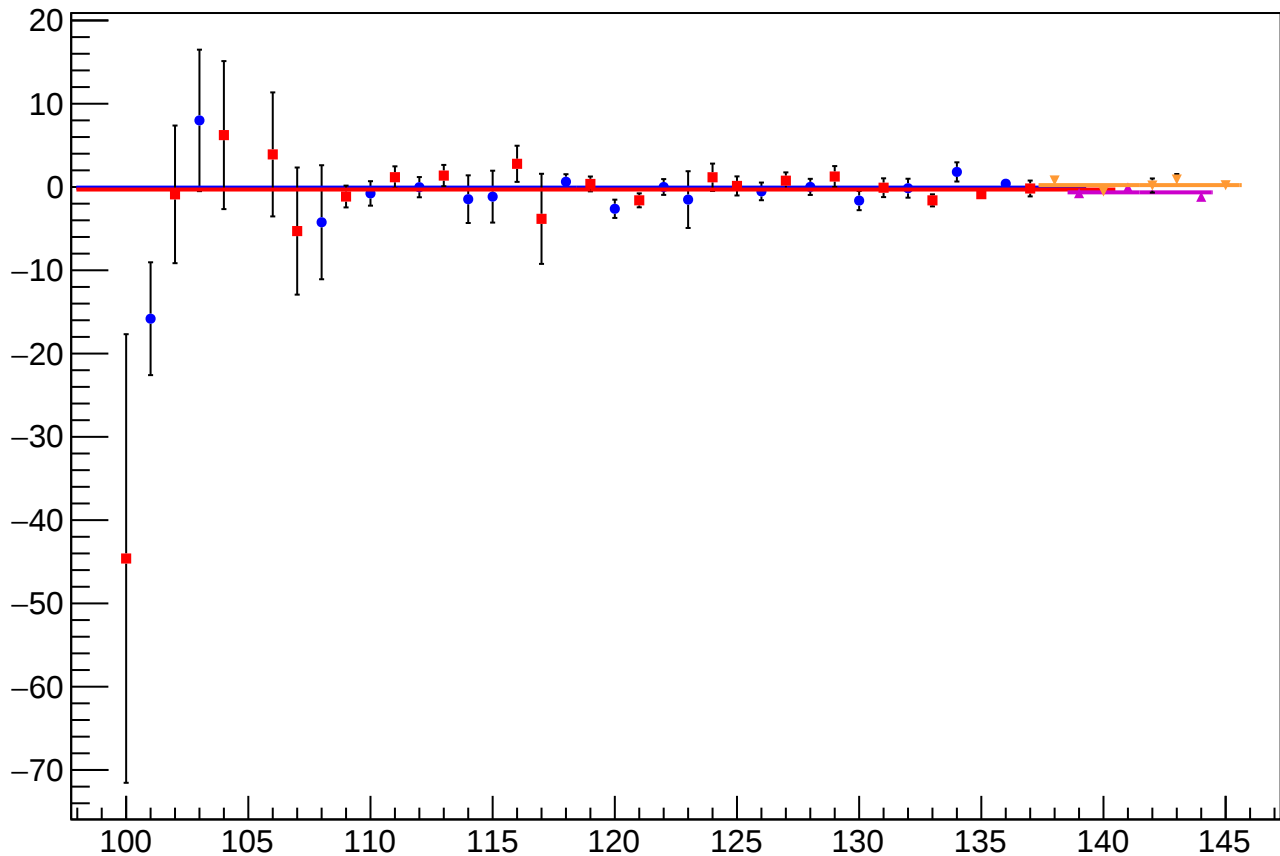
Left In: 674.492 $\pm$ 0.313 χ^2 /NDF: 96690.1/2

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

878.637 $\pm$ 0.154 χ^2 /NDF: 6373709.9/44

927.520 $\pm$ 0.234 χ^2 /NDF: 3236469.8/22

diff_cav4cY_mean vs Slug, Sign Corrected



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

Left Out: 0.229 ± 0.268 χ^2/NDF : 4.2/4

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

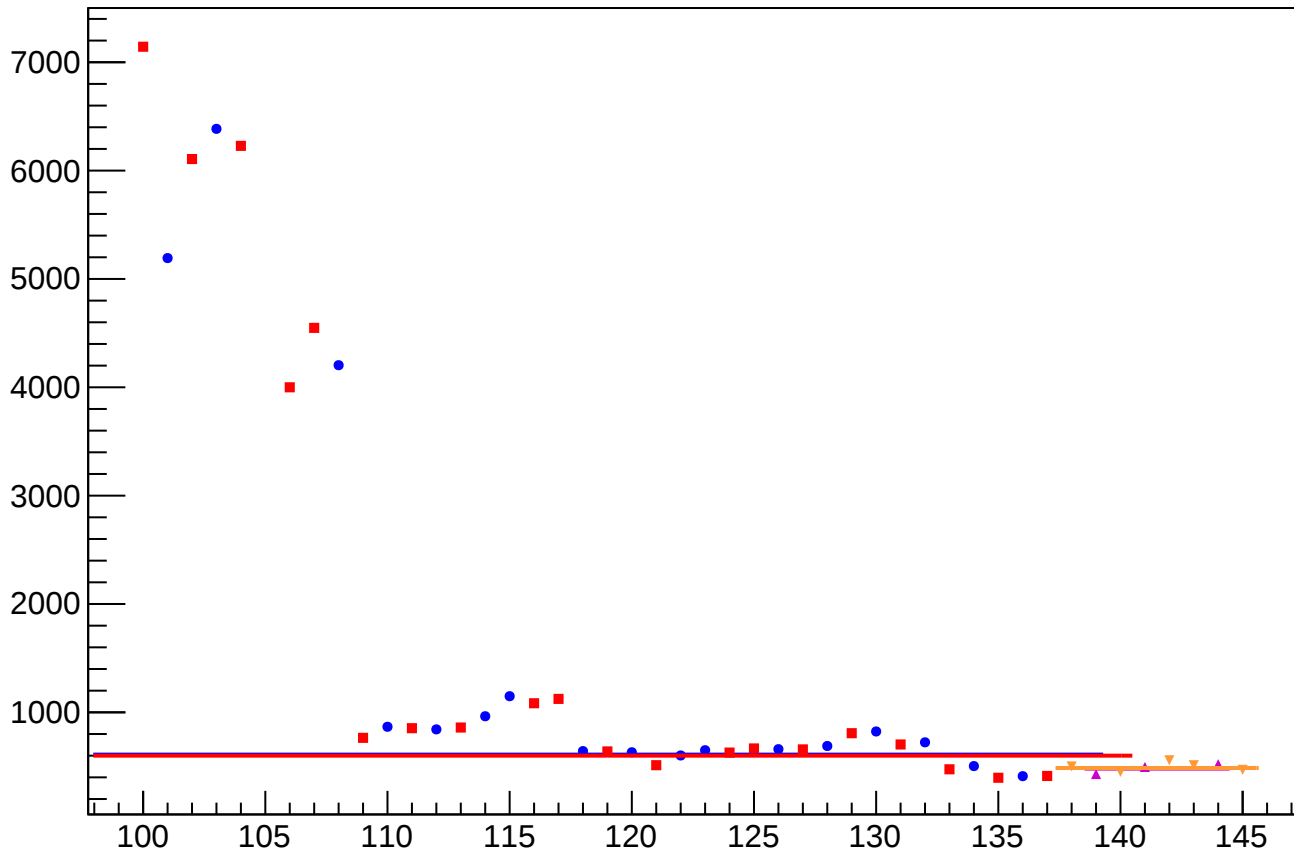
Left In: -0.642 ± 0.313 χ^2/NDF : 2.1/2

0.079 ± 0.190 χ^2/NDF : 24.1/21

-0.166 ± 0.138 χ^2/NDF : 51.1/44

-0.443 ± 0.202 χ^2/NDF : 23.4/22

diff_cav4cY_rms vs Slug, Sign Corrected



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

Left Out: 486.245+/-0.189 χ^2/NDF : 30109.7/4

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

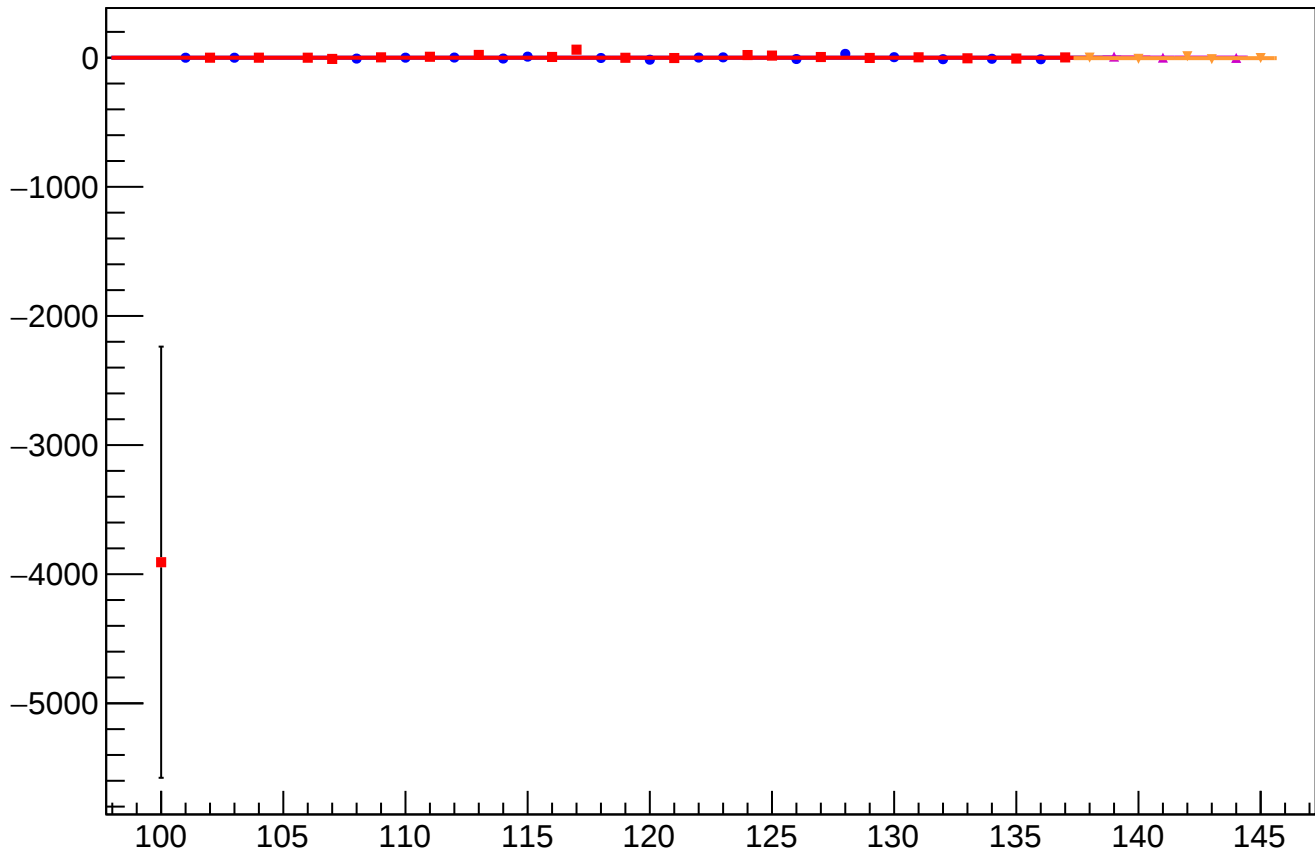
Left In: 480.699+/-0.222 χ^2/NDF : 29949.2/2

547.799+/-0.134 χ^2/NDF : 3378375.2/21

549.168+/-0.098 χ^2/NDF : 7150256.1/44

550.718+/-0.143 χ^2/NDF : 3771658.6/22

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

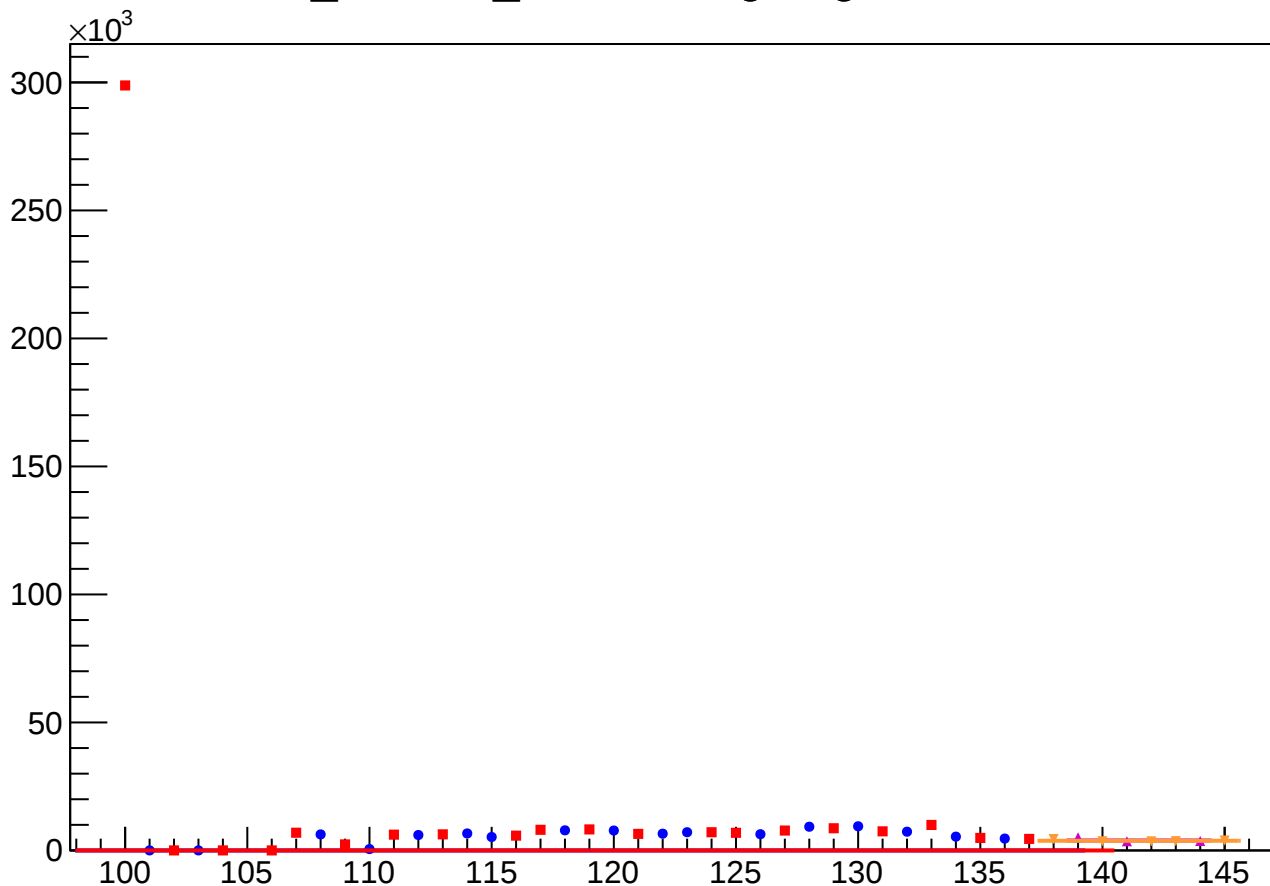
Left In: 1.289+/-2.559 χ^2/NDF : 1.8/2

-0.022+/-0.021 χ^2/NDF : 30.9/21

0.004+/-0.014 χ^2/NDF : 56.3/44

0.027+/-0.020 χ^2/NDF : 22.6/22

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

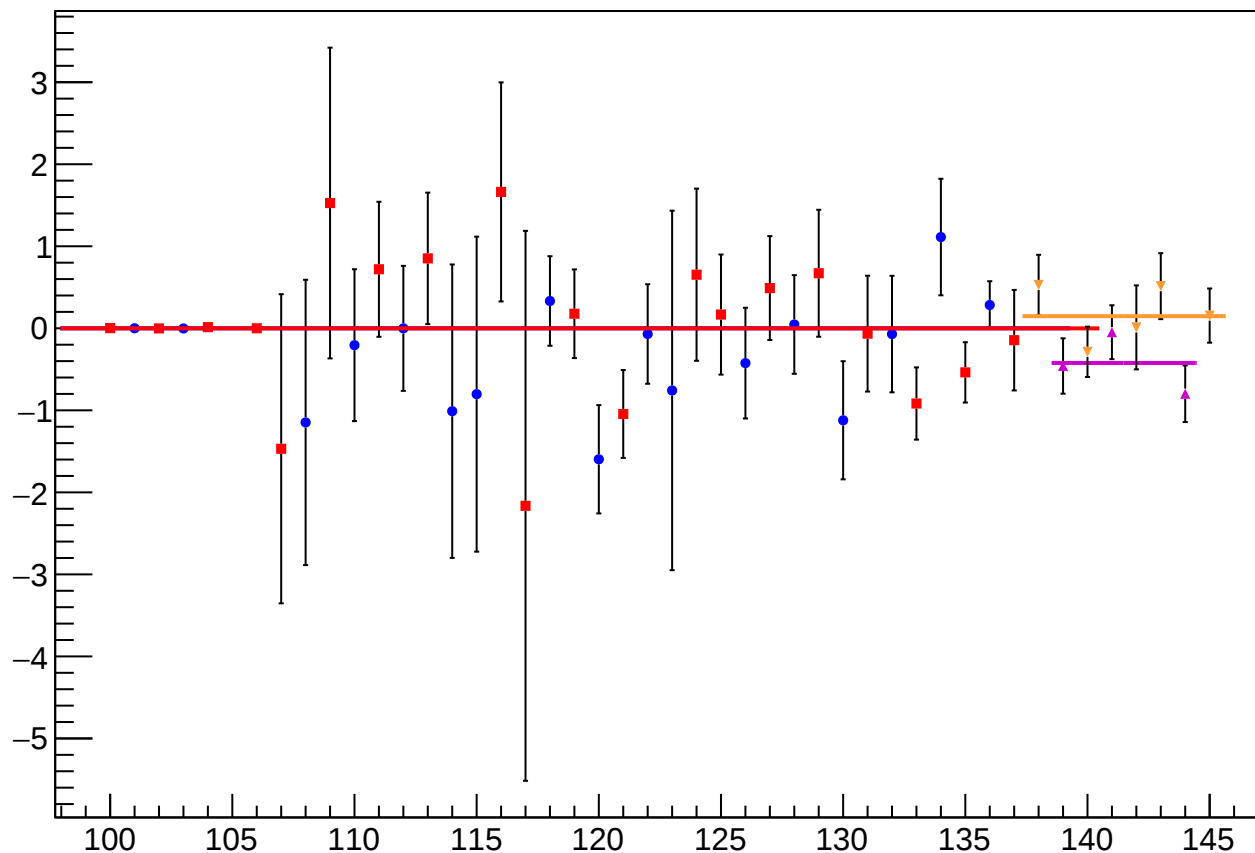
Left In: 3898.904+/-1.810 χ^2 /NDF:94194.1/2

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

17.602+/-0.010 χ^2 /NDF: 32599813.7/44

17.503+/-0.014 χ^2 /NDF: 15602228.3/22

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

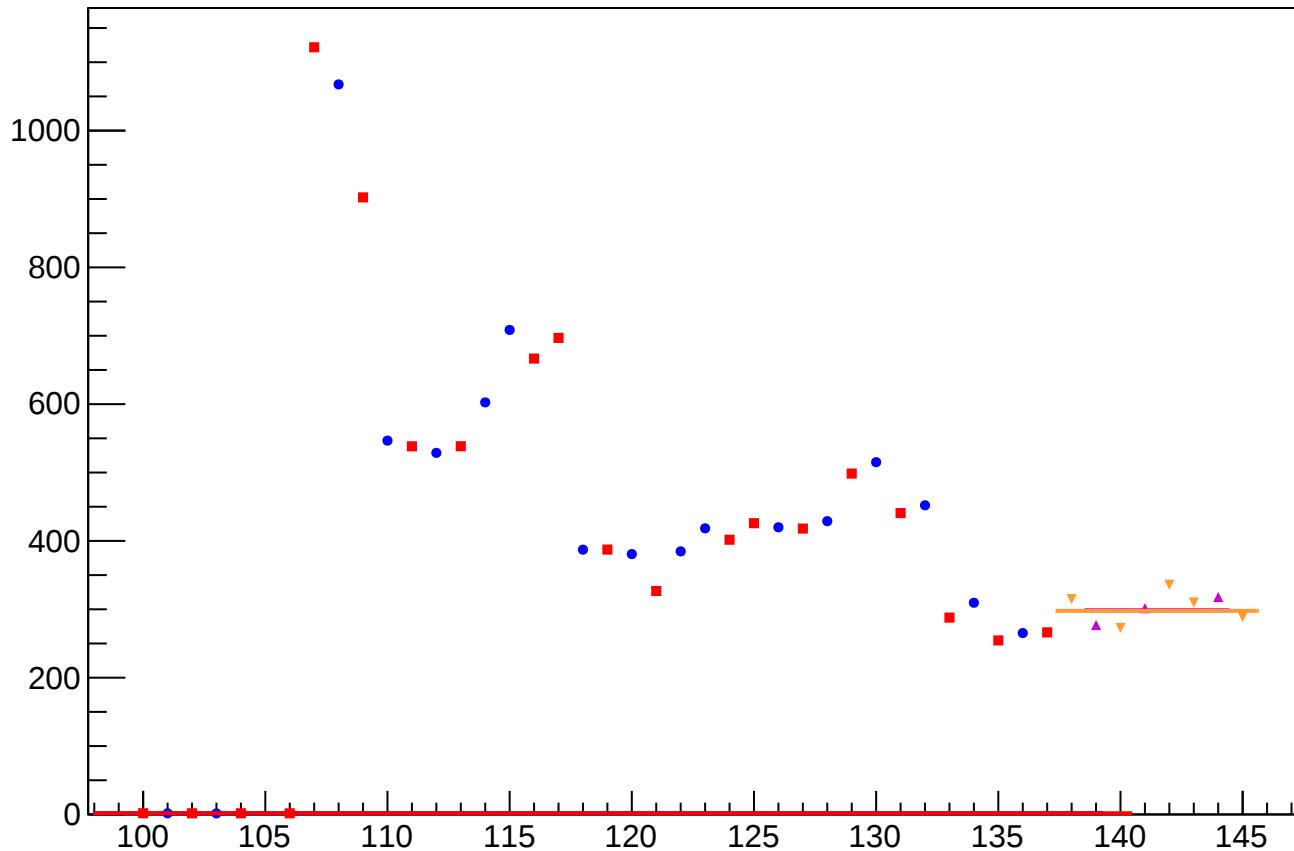
Left In: -0.422 ± 0.194 χ^2/NDF : 2.5/2

0.000 ± 0.002 χ^2/NDF : 18.5/21

-0.000 ± 0.001 χ^2/NDF : 44.2/44

-0.001 ± 0.002 χ^2/NDF : 25.5/22

diff_cav4dY_rms vs Slug, Sign Corrected



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

Left Out: 297.723+/-0.116 χ^2/NDF : 32127.2/4

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

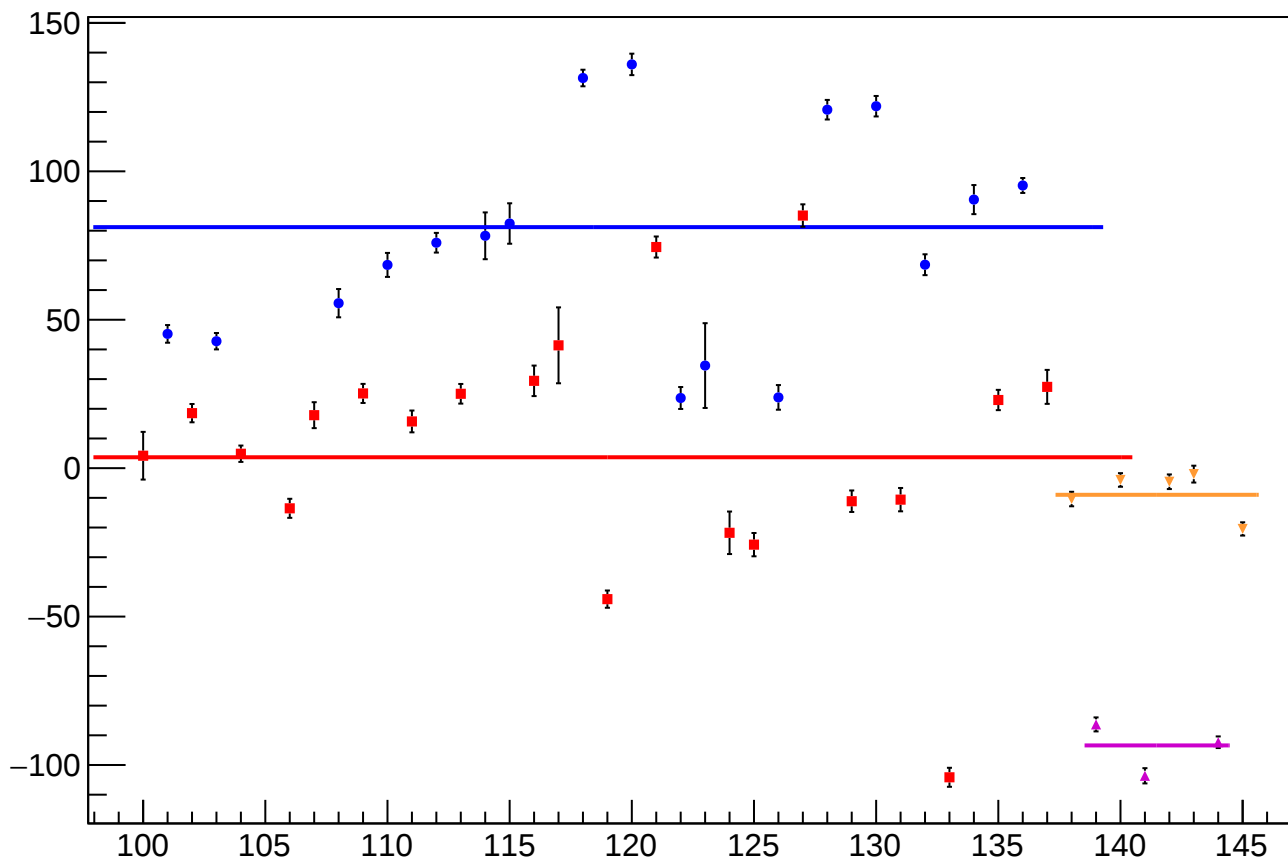
Left In: 298.634+/-0.137 χ^2/NDF : 14637.9/2

1.744+/-0.001 χ^2/NDF : 17604312.0/21

1.752+/-0.001 χ^2/NDF : 33113453.4/44

1.758+/-0.001 χ^2/NDF : 15509092.8/22

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

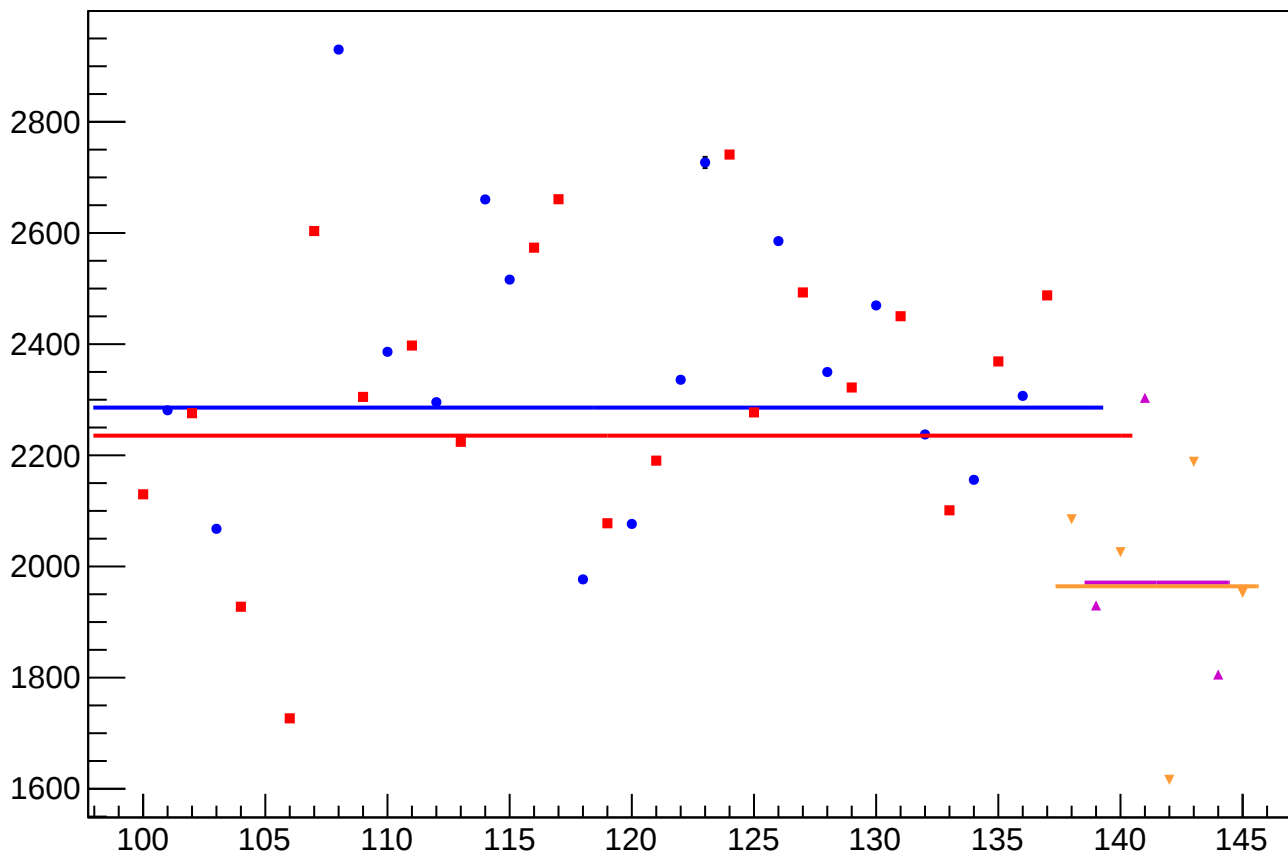
Left In: -93.405 $\pm$ 1.301 χ^2 /NDF: 25.2/2

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

11.118 $\pm$ 0.492 χ^2 /NDF: 17523.5/44

-24.935 $\pm$ 0.706 χ^2 /NDF: 6562.3/22

diff_bpm0i01X_rms vs Slug, Sign Corrected



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

Left Out: 1964.360 $\pm$ 0.768 χ^2/NDF : 58736.4/4

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

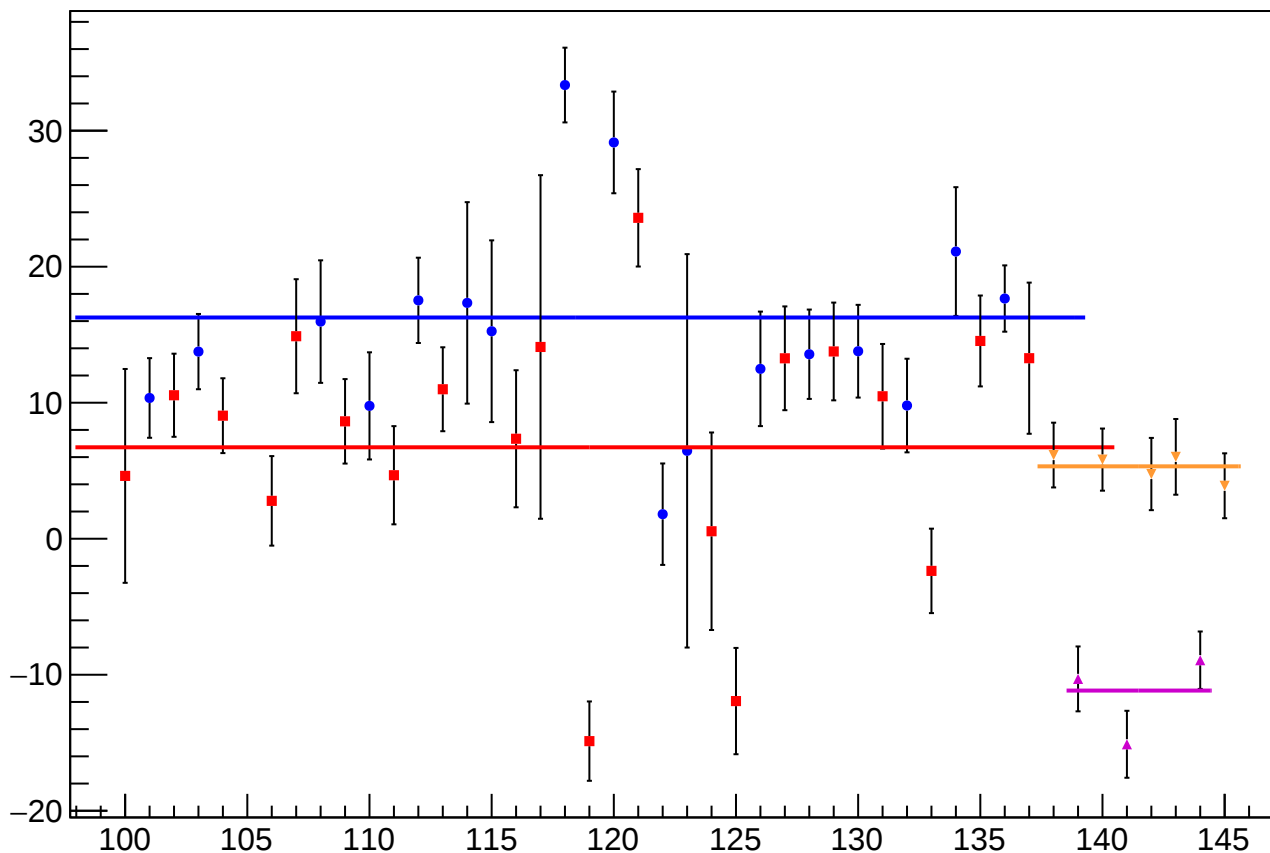
Left In: 1970.984 $\pm$ 0.920 χ^2/NDF : 48331.0/2

2157.517 $\pm$ 0.485 χ^2/NDF : 273268.5/21

2157.497 $\pm$ 0.348 χ^2/NDF : 528971.3/44

2157.477 $\pm$ 0.499 χ^2/NDF : 255702.7/22

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

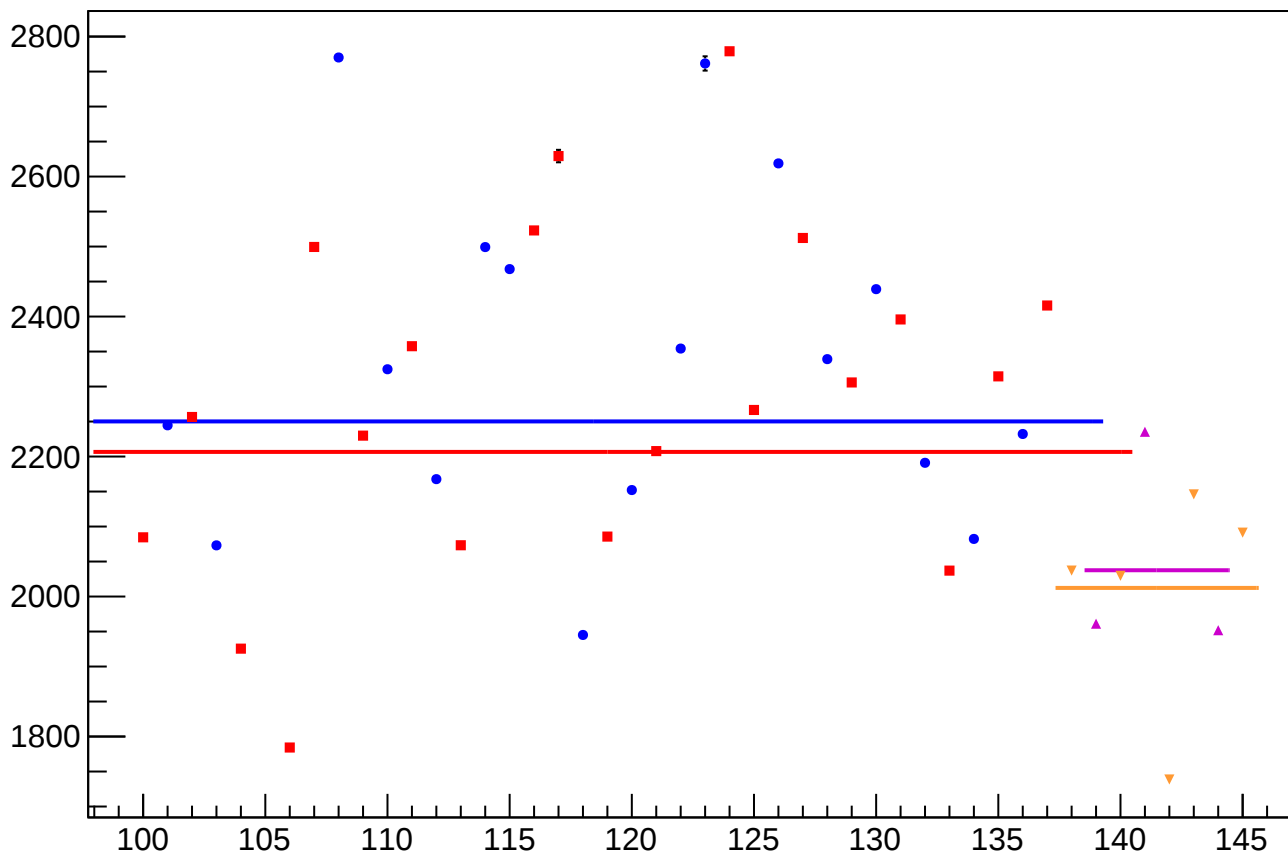
Left In: -11.163 $\pm$ 1.330 χ^2/NDF : 3.8/2

12.083 $\pm$ 0.685 χ^2/NDF : 141.7/21

7.039 $\pm$ 0.491 χ^2/NDF : 521.4/44

1.719 $\pm$ 0.704 χ^2/NDF : 268.3/22

diff_bpm0i01Y_rms vs Slug, Sign Corrected



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

Left Out: 2012.318 $\pm$ 0.783 χ^2/NDF : 28366.7/4

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

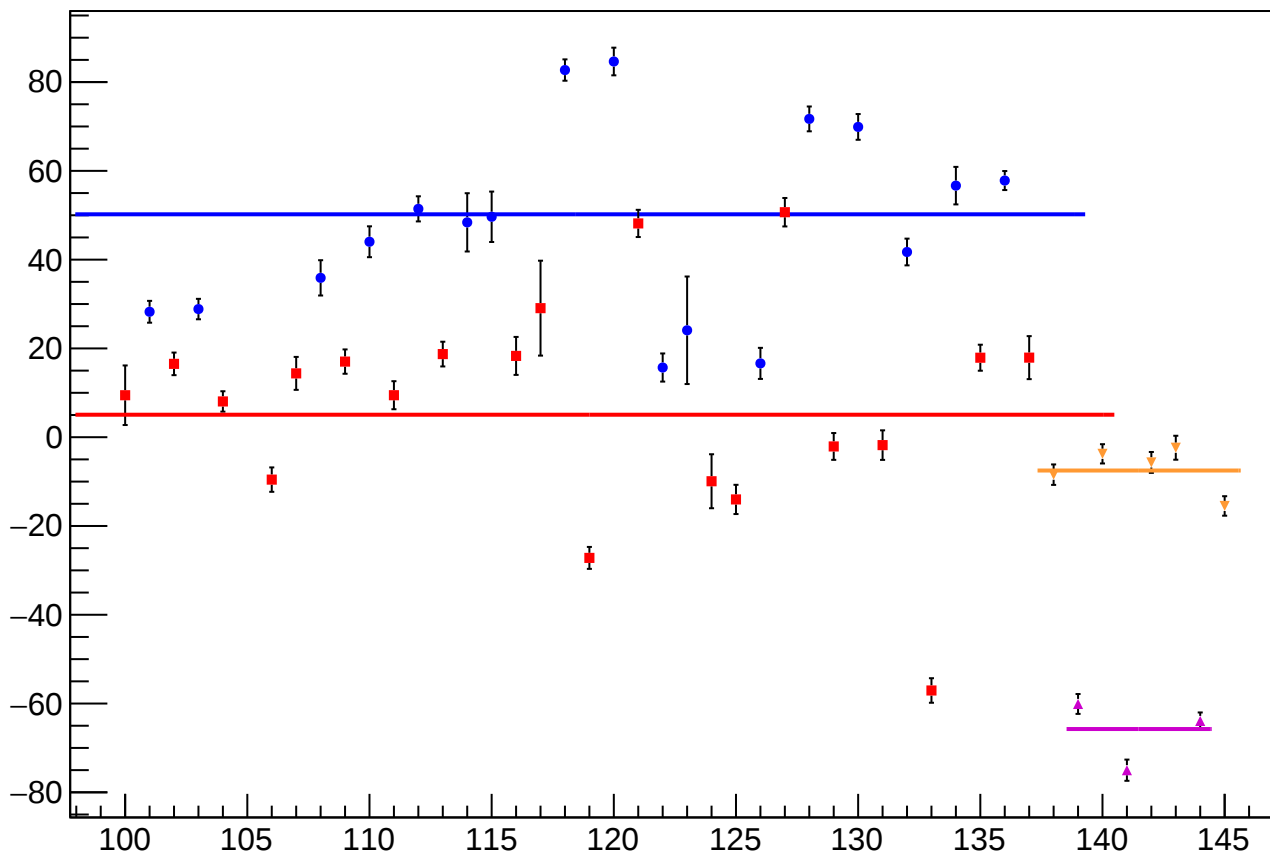
Left In: 2037.560 $\pm$ 0.941 χ^2/NDF : 18259.0/2

2159.266 $\pm$ 0.484 χ^2/NDF : 182883.8/21

2159.295 $\pm$ 0.347 χ^2/NDF : 352888.1/44

2159.326 $\pm$ 0.497 χ^2/NDF : 170004.3/22

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

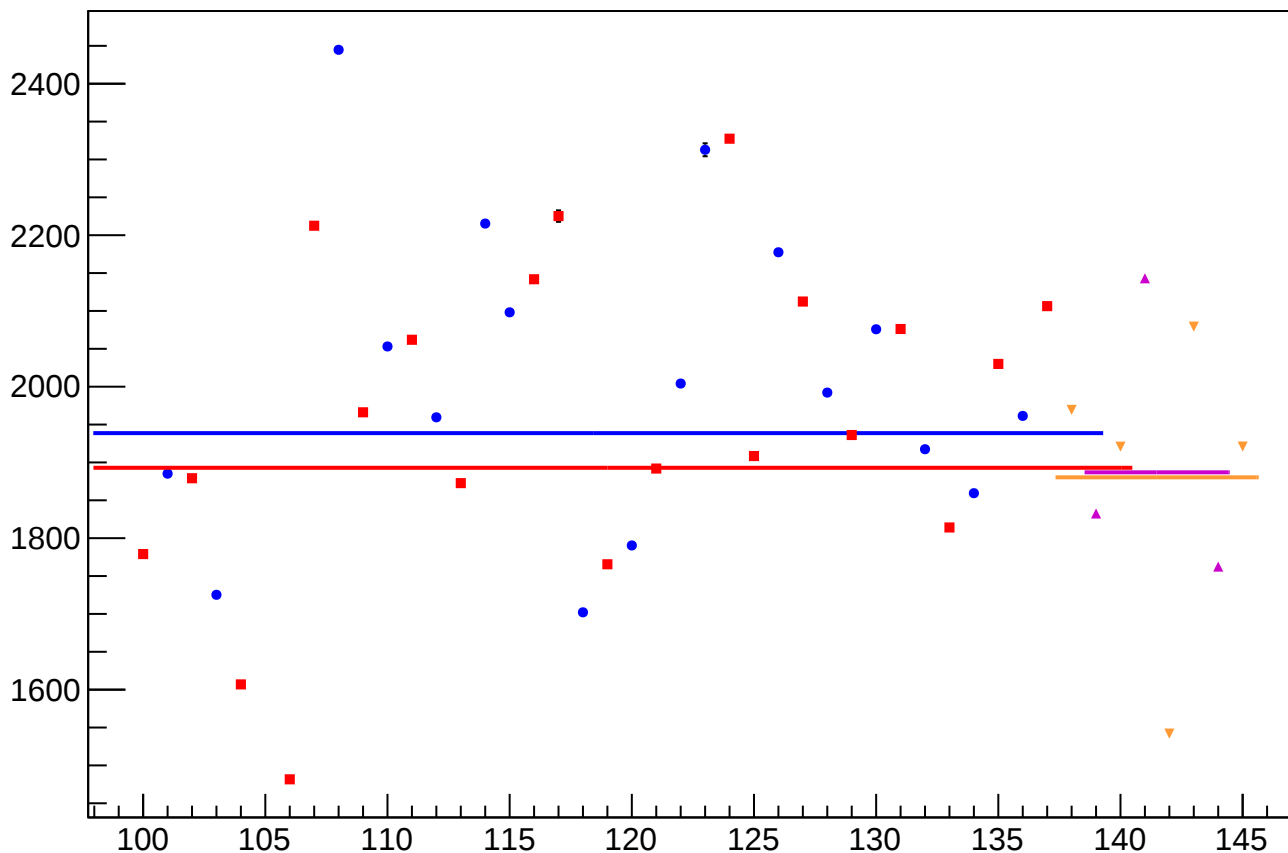
Left In: -65.742+/-1.241 χ^2/NDF : 22.4/2

30.421+/-0.609 χ^2/NDF : 2877.8/21

9.296+/-0.433 χ^2/NDF : 9061.2/44

-12.453+/-0.618 χ^2/NDF : 3738.1/22

diff_bpm0i01aX_rms vs Slug, Sign Corrected



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

Left Out: 1880.319 $\pm$ 0.735 χ^2/NDF : 56587.2/4

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

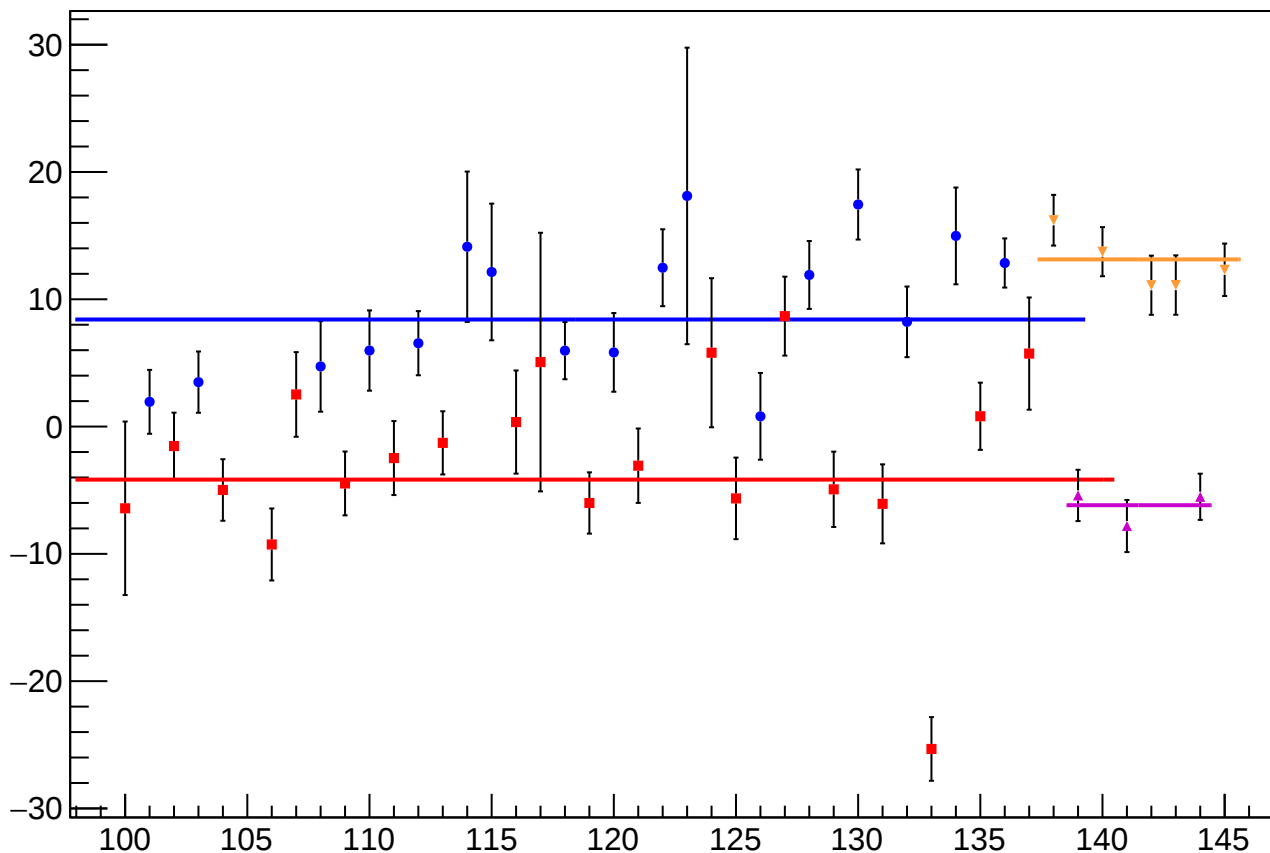
Left In: 1886.948 $\pm$ 0.878 χ^2/NDF : 32673.2/2

1918.671 $\pm$ 0.430 χ^2/NDF : 160875.9/21

1905.265 $\pm$ 0.307 χ^2/NDF : 344117.2/44

1891.462 $\pm$ 0.437 χ^2/NDF : 181271.5/22

diff_bpm0i01aY_mean vs Slug, Sign Corrected



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

Left Out: 13.133 ± 0.943 χ^2/NDF : 4.2/4

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

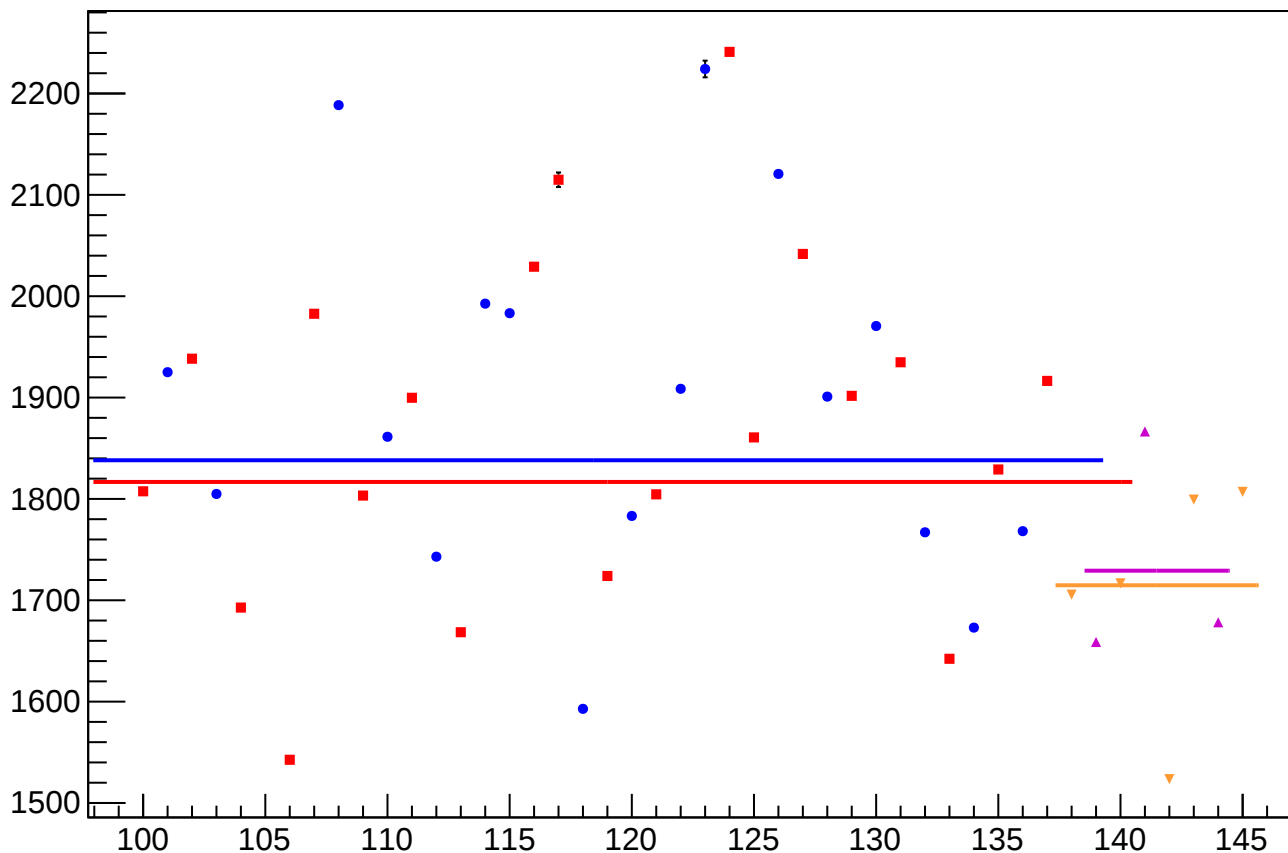
Left In: -6.178 ± 1.126 χ^2/NDF : 0.9/2

10.124 ± 0.568 χ^2/NDF : 64.7/21

2.900 ± 0.407 χ^2/NDF : 514.1/44

-4.705 ± 0.583 χ^2/NDF : 117.1/22

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1838.143 +/- 0.503 χ^2/NDF : 82878.7/16

Left Out: 1714.805 +/- 0.667 χ^2/NDF : 20220.7/4

Right Out: 1816.748 +/- 0.481 χ^2/NDF : 89149.7/19

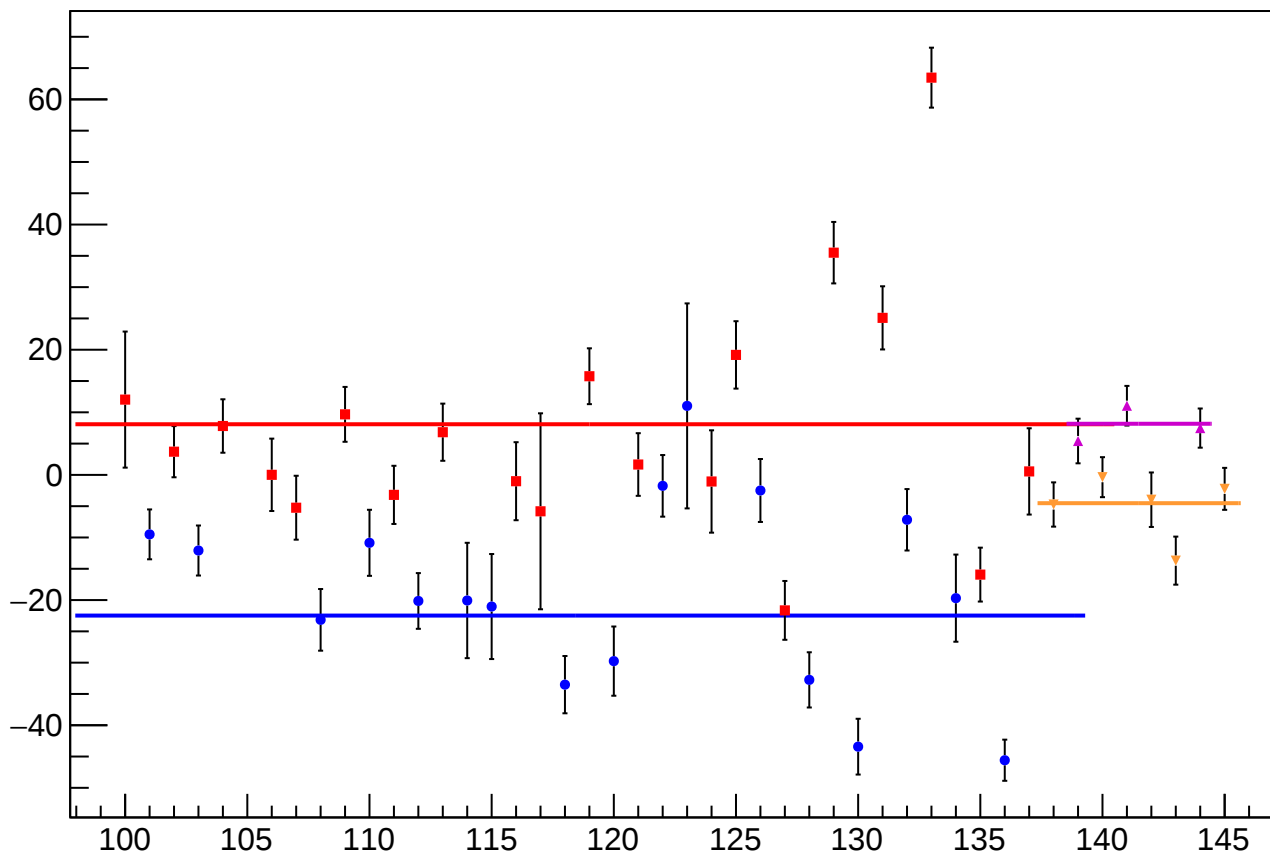
Left In: 1729.183 +/- 0.796 χ^2/NDF : 13019.4/2

1793.408 +/- 0.401 χ^2/NDF : 124914.8/21

1793.356 +/- 0.288 χ^2/NDF : 235942.0/44

1793.301 +/- 0.412 χ^2/NDF : 111027.2/22

diff_bpm0l01X_mean vs Slug, Sign Corrected



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

Left Out: -4.520 +/- 1.607 χ^2/NDF : 7.9/4

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

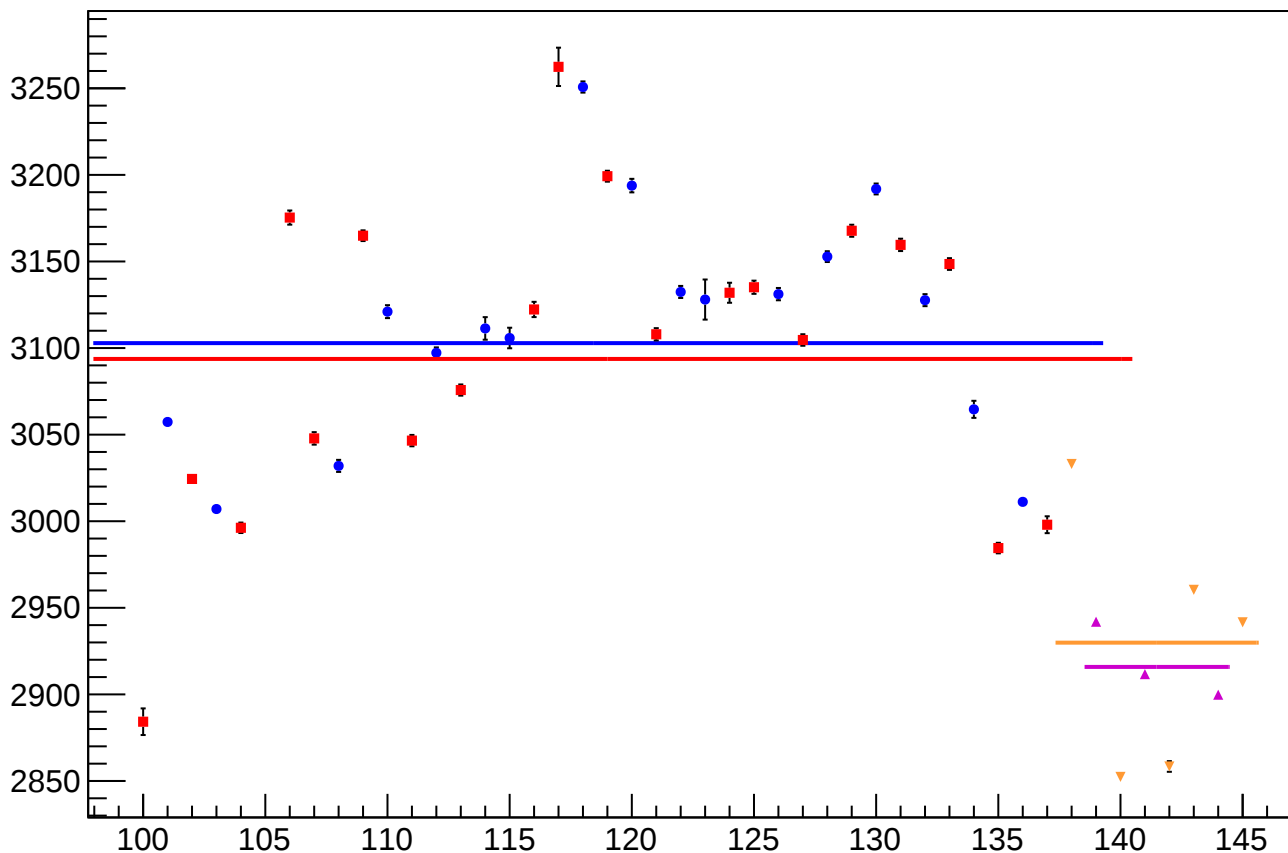
Left In: 8.170 +/- 1.889 χ^2/NDF : 1.5/2

-16.084 +/- 0.959 χ^2/NDF : 243.1/21

-4.304 +/- 0.687 χ^2/NDF : 832.3/44

8.114 +/- 0.984 χ^2/NDF : 279.2/22

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

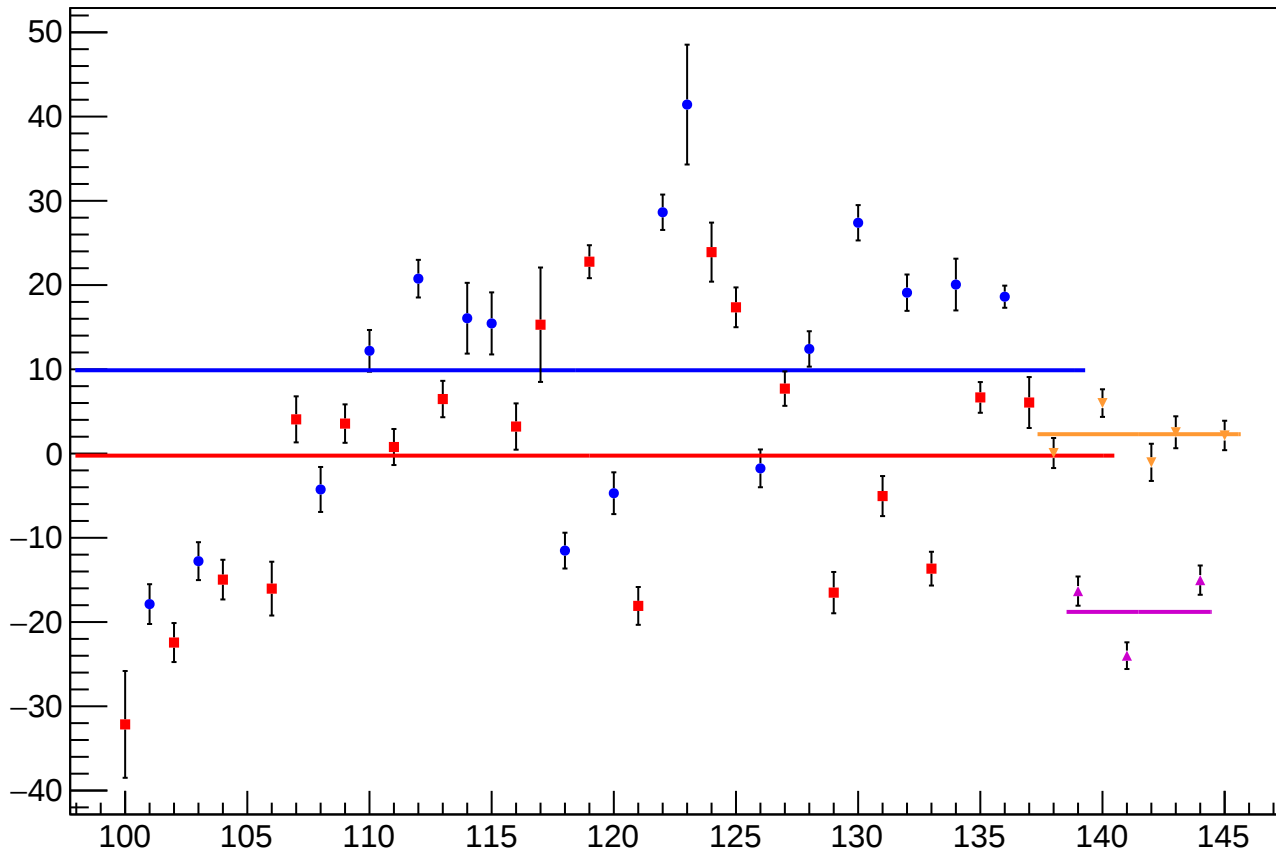
Left In: 2915.868 $\pm$ 1.336 χ^2/NDF : 163.1/2

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

3043.281 $\pm$ 0.486 χ^2/NDF : 46932.9/44

3045.409 $\pm$ 0.696 χ^2/NDF : 21076.2/22

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

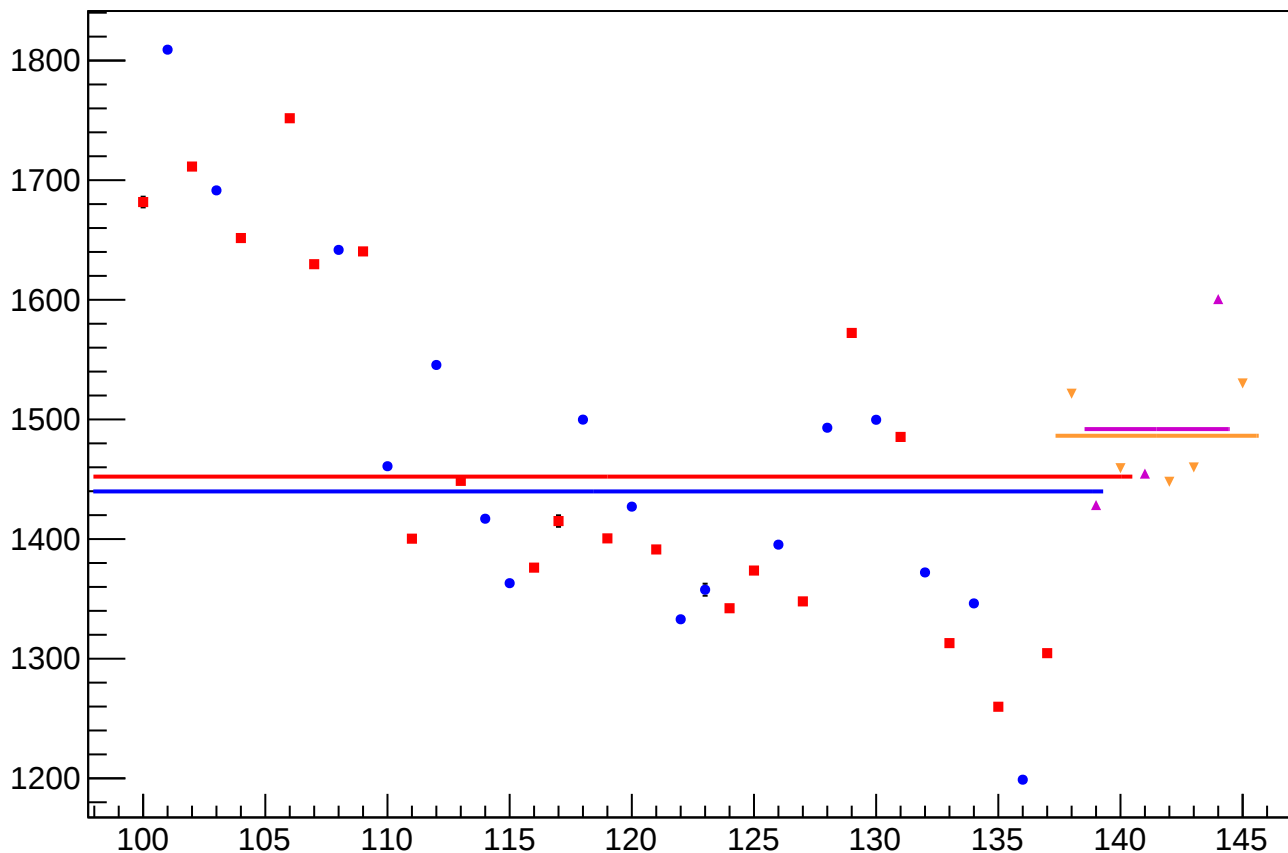
Left In: -18.795 $\pm$ 0.970 χ^2/NDF : 17.5/2

7.465 $\pm$ 0.462 χ^2/NDF : 771.3/21

1.561 $\pm$ 0.331 χ^2/NDF : 2037.7/44

-4.696 $\pm$ 0.475 χ^2/NDF : 929.4/22

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

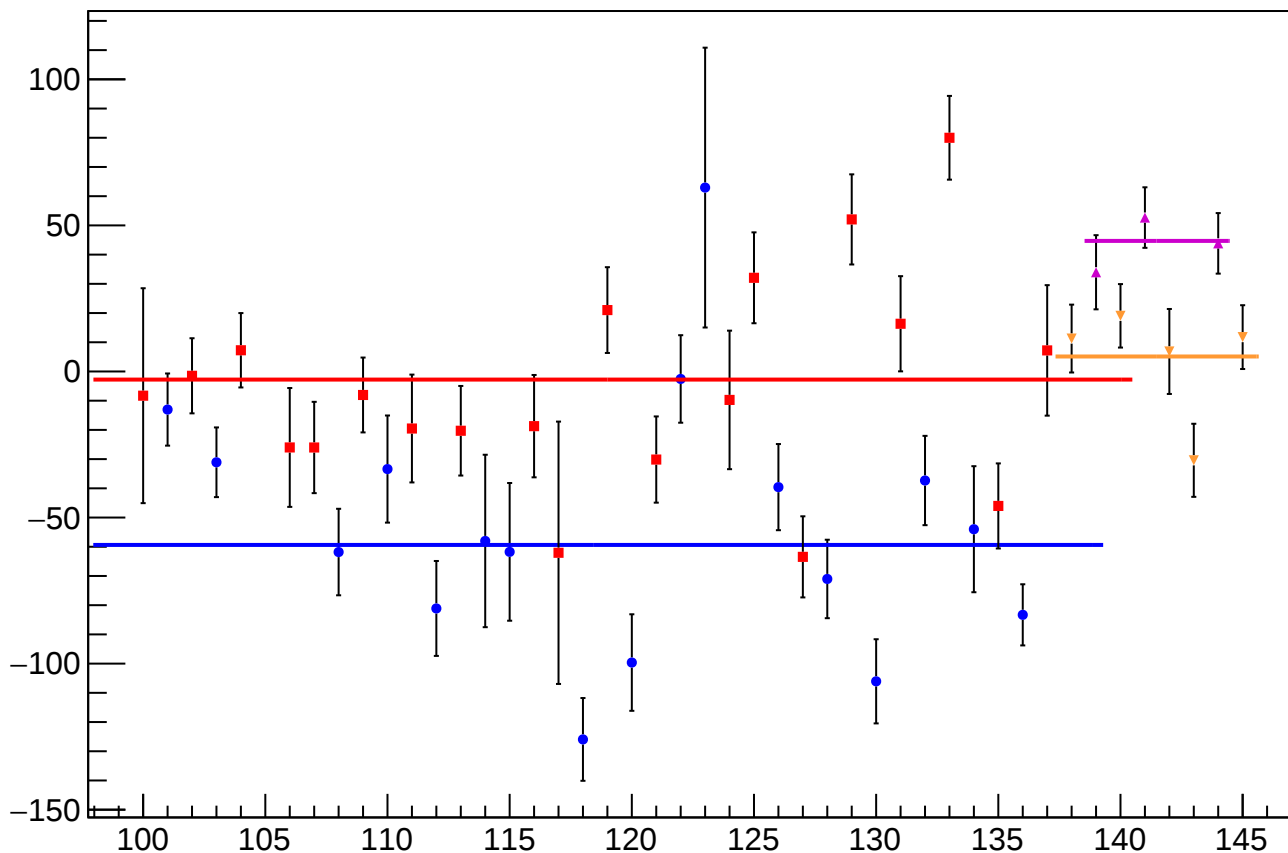
Left In: 1491.936 $\pm$ 0.686 χ^2/NDF : 11603.5/2

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

1458.110 $\pm$ 0.234 χ^2/NDF : 333776.2/44

1461.742 $\pm$ 0.336 χ^2/NDF : 152731.7/22

diff_bpm0l02X_mean vs Slug, Sign Corrected



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

Left Out: 5.130 $\pm$ 5.315 χ^2/NDF : 10.4/4

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

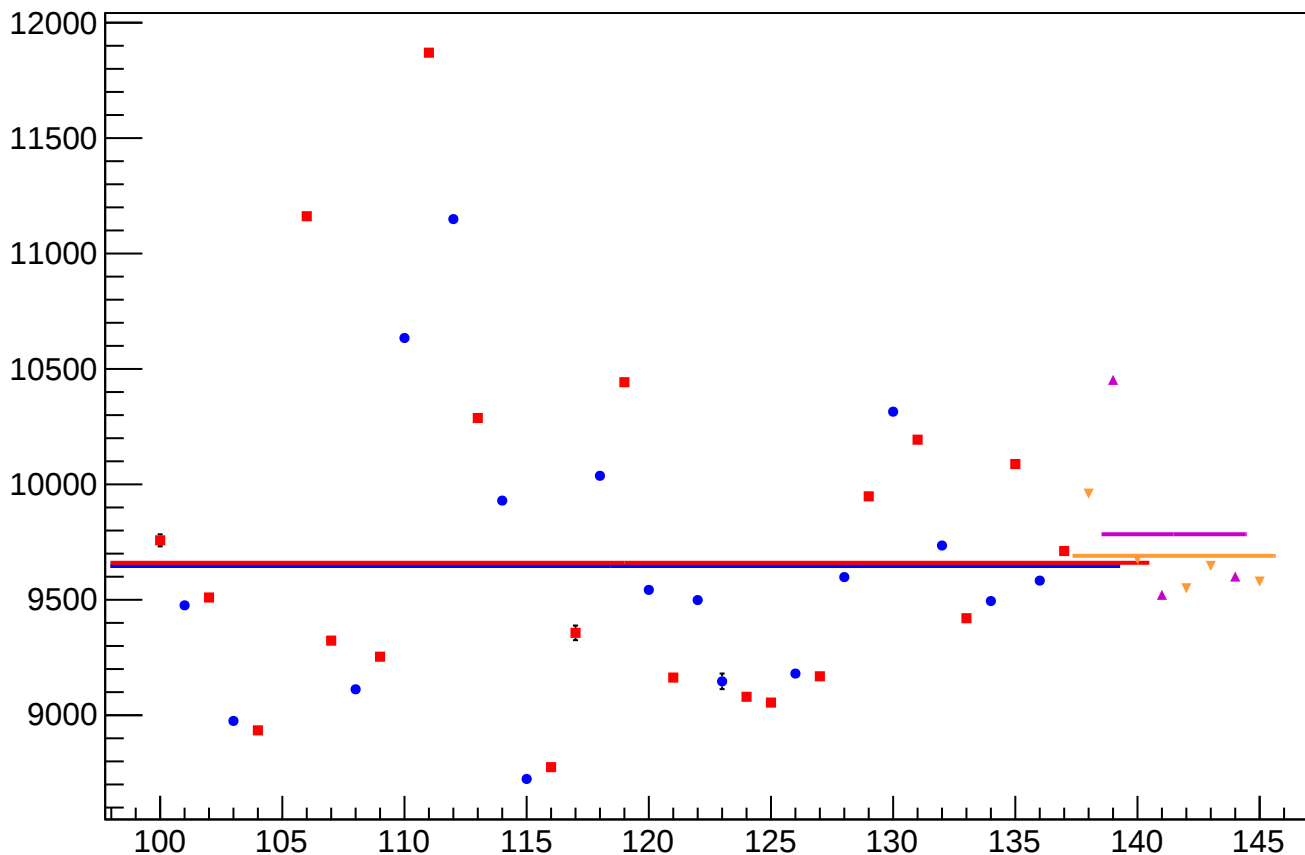
Left In: 44.694 $\pm$ 6.345 χ^2/NDF : 1.3/2

-38.100 $\pm$ 3.053 χ^2/NDF : 202.0/21

-15.299 $\pm$ 2.190 χ^2/NDF : 456.2/44

8.871 $\pm$ 3.143 χ^2/NDF : 139.2/22

diff_bpm0l02X_rms vs Slug, Sign Corrected



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

Left Out: 9690.553 $\pm$ 3.759 χ^2 /NDF:1498.1/4

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

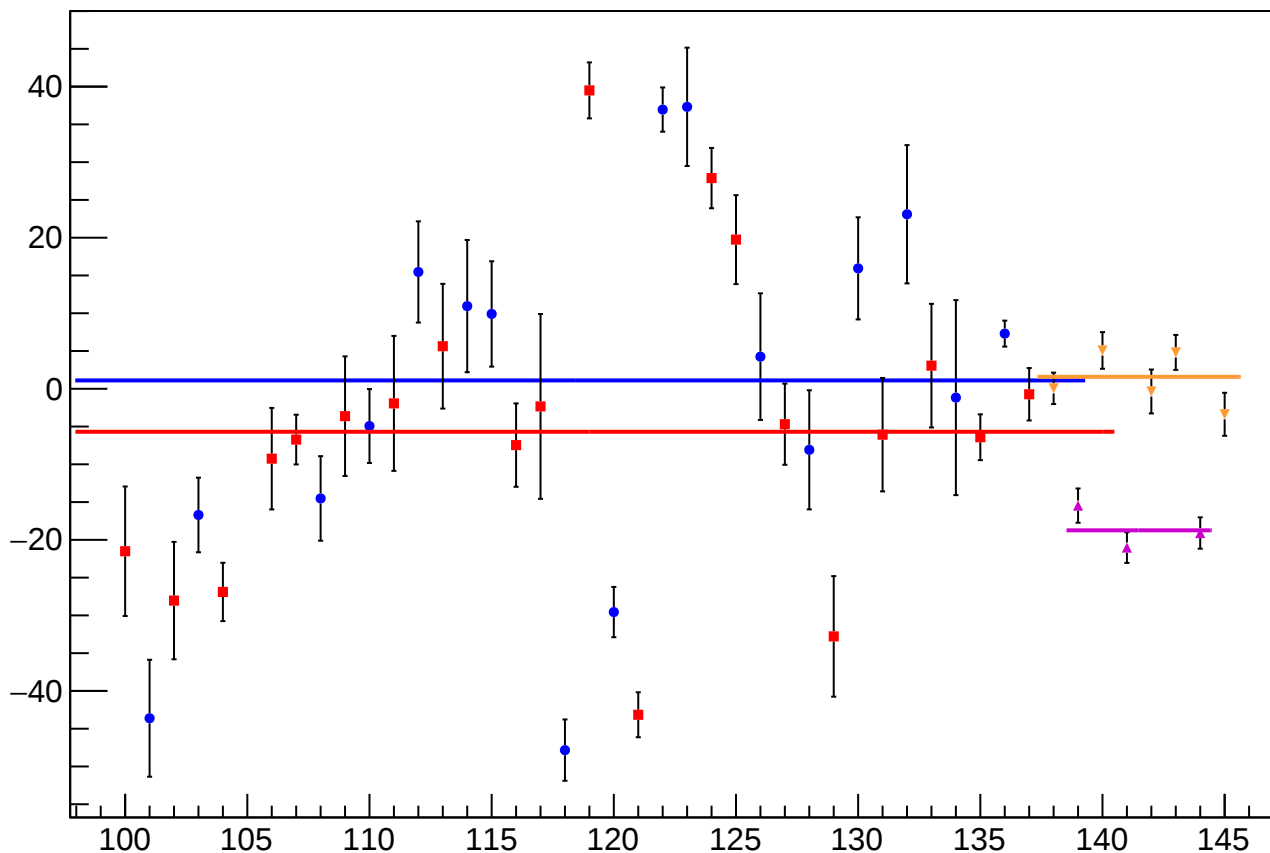
Left In: 9784.065 $\pm$ 4.487 χ^2 /NDF:7461.7/2

9661.015 $\pm$ 2.159 χ^2 /NDF: 45650.5/21

9675.437 $\pm$ 1.548 χ^2 /NDF: 131453.7/44

9690.724 $\pm$ 2.222 χ^2 /NDF: 85711.2/22

diff_bpm0l02Y_mean vs Slug, Sign Corrected



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

Left Out: 1.584 $\pm$ 1.097 χ^2/NDF : 8.0/4

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

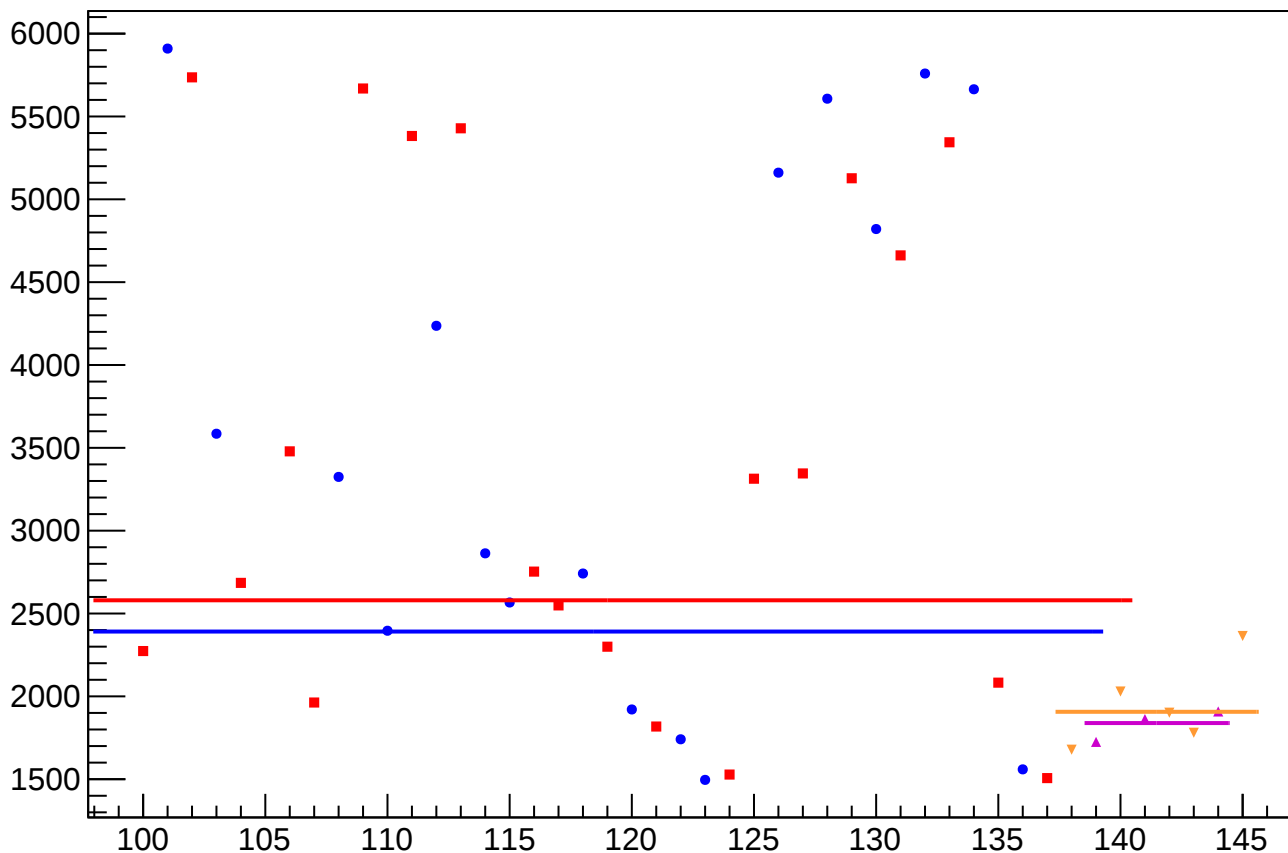
Left In: -18.739 $\pm$ 1.223 χ^2/NDF : 3.4/2

1.338 $\pm$ 0.765 χ^2/NDF : 497.8/21

-4.670 $\pm$ 0.557 χ^2/NDF : 1152.2/44

-11.448 $\pm$ 0.812 χ^2/NDF : 523.0/22

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

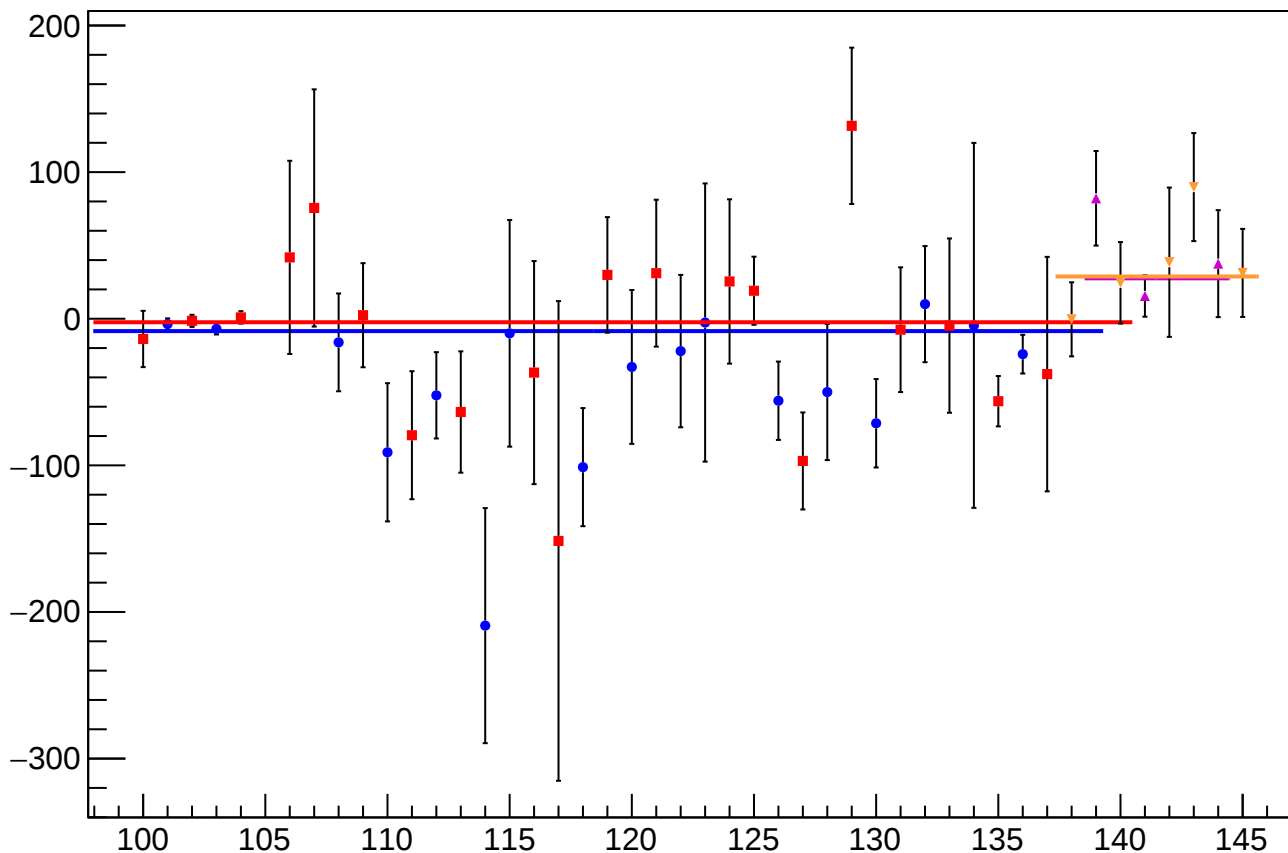
Left In: 1838.837 $\pm$ 0.865 χ^2/NDF : 7567.3/2

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

2201.440 $\pm$ 0.394 χ^2/NDF : 5686107.9/44

2252.817 $\pm$ 0.574 χ^2/NDF : 2783093.8/22

diff_bpm0l03X_mean vs Slug, Sign Corrected



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

Left Out: 28.823 ± 14.013 χ^2/NDF : 4.1/4

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

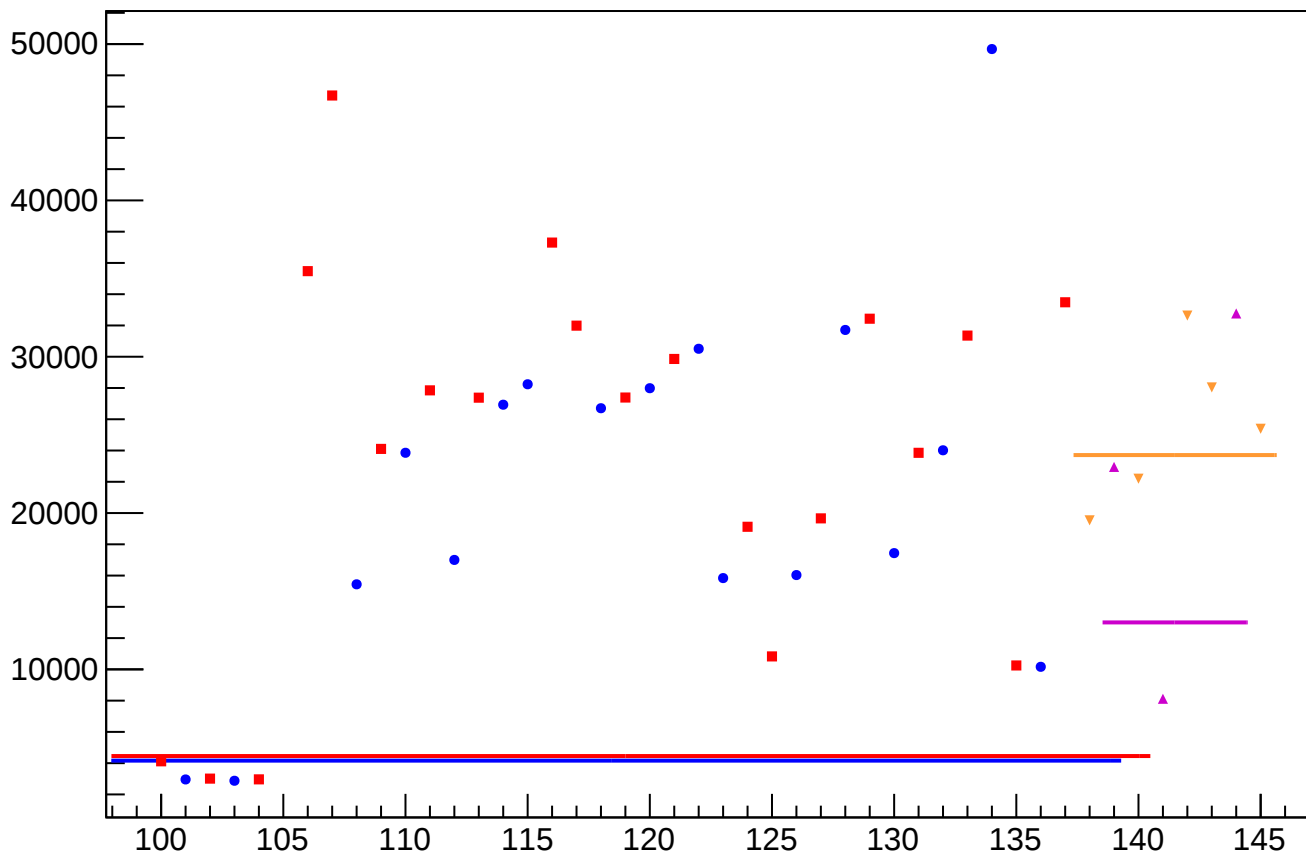
Left In: 27.561 ± 12.209 χ^2/NDF : 3.7/2

-7.202 ± 2.544 χ^2/NDF : 39.9/21

-4.261 ± 1.857 χ^2/NDF : 87.6/44

-0.909 ± 2.717 χ^2/NDF : 44.9/22

diff_bpm0l03X_rms vs Slug, Sign Corrected



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

Left Out: 23709.035+/-9.909 χ^2/NDF : 155840.4/4

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

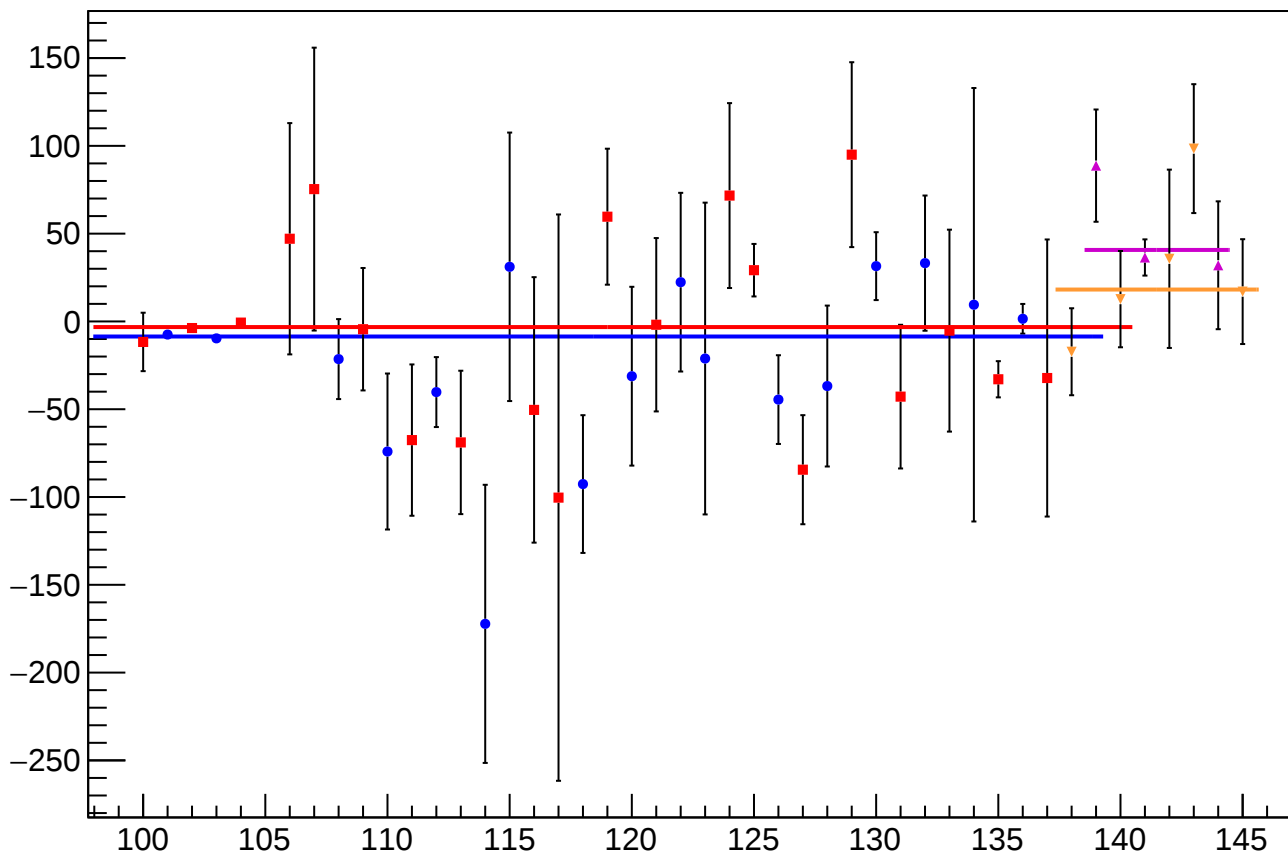
Left In: 13003.614+/-8.633 χ^2/NDF : 1015276.7/2

4806.732+/-1.799 χ^2/NDF : 9908905.5/21

4840.184+/-1.313 χ^2/NDF : 19340430.7/4

4878.315+/-1.921 χ^2/NDF : 9430785.5/22

diff_bpm0l03Y_mean vs Slug, Sign Corrected



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

Left Out: 18.163 $\pm$ 13.851 χ^2/NDF : 7.0/4

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

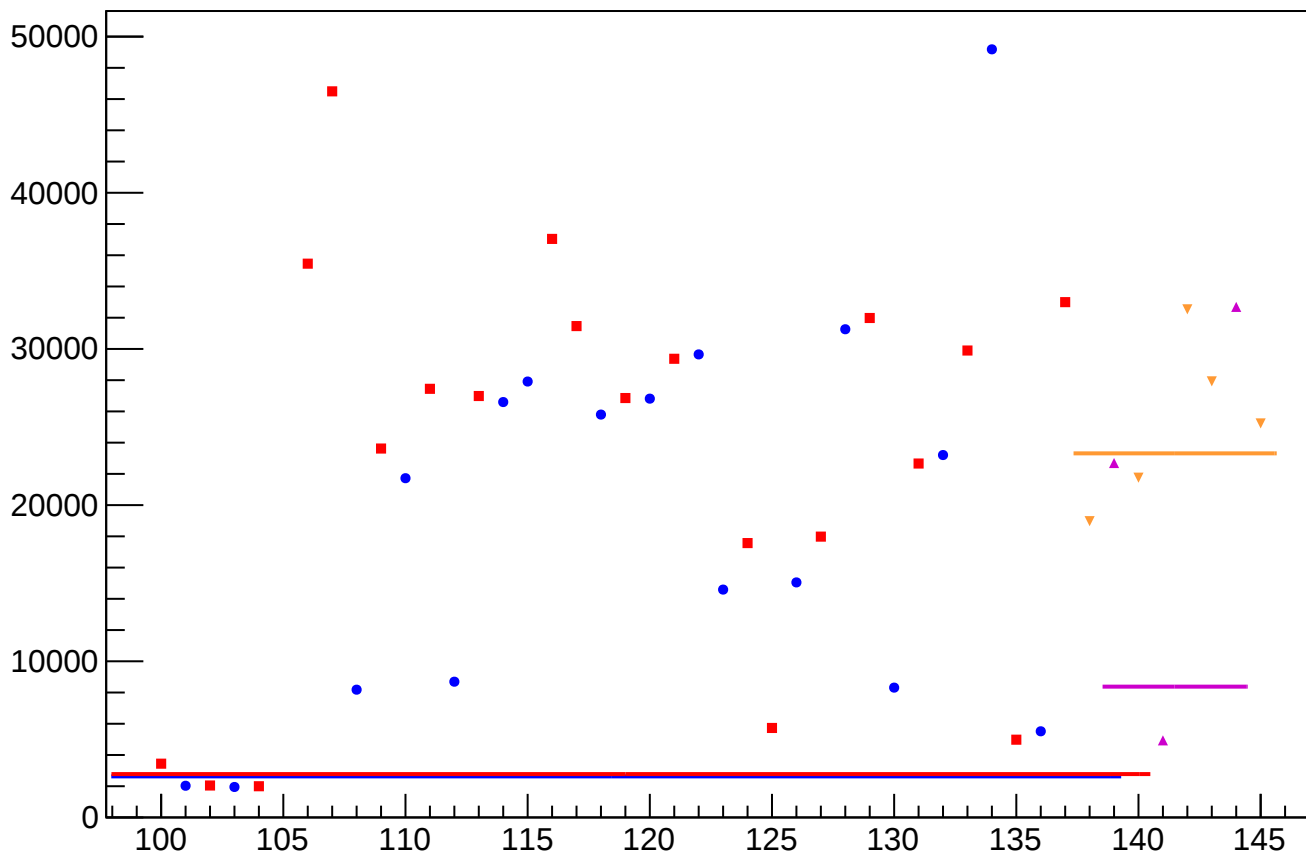
Left In: 40.719 $\pm$ 9.475 χ^2/NDF : 2.5/2

-8.153 $\pm$ 1.763 χ^2/NDF : 35.1/21

-5.033 $\pm$ 1.287 χ^2/NDF : 102.1/44

-1.472 $\pm$ 1.884 χ^2/NDF : 60.4/22

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

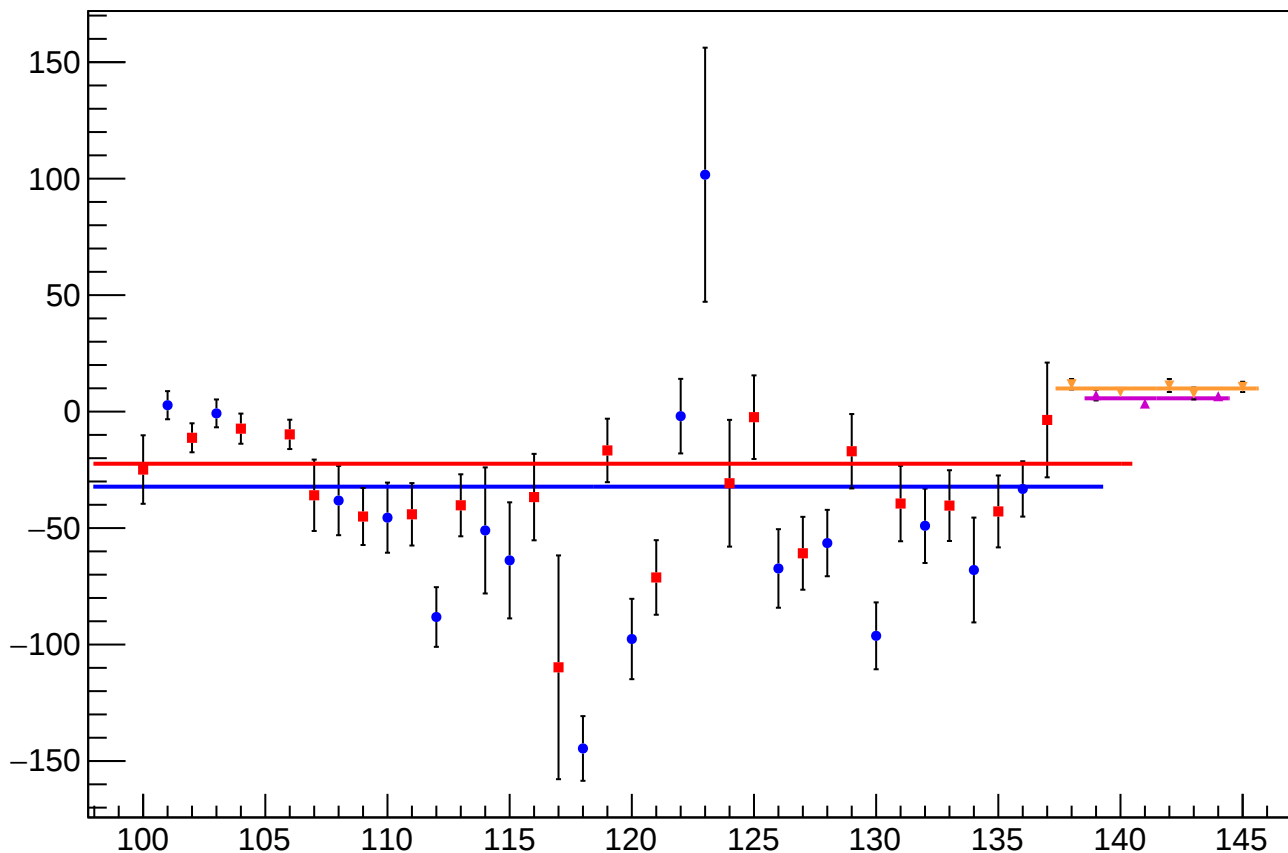
Left In: 8376.401 $\pm$ 6.700 χ^2 /NDF:1515728.5/2

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

2981.194 $\pm$ 0.910 χ^2 /NDF: 20236409.8/4

2998.798 $\pm$ 1.332 χ^2 /NDF: 10085574.0/22

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

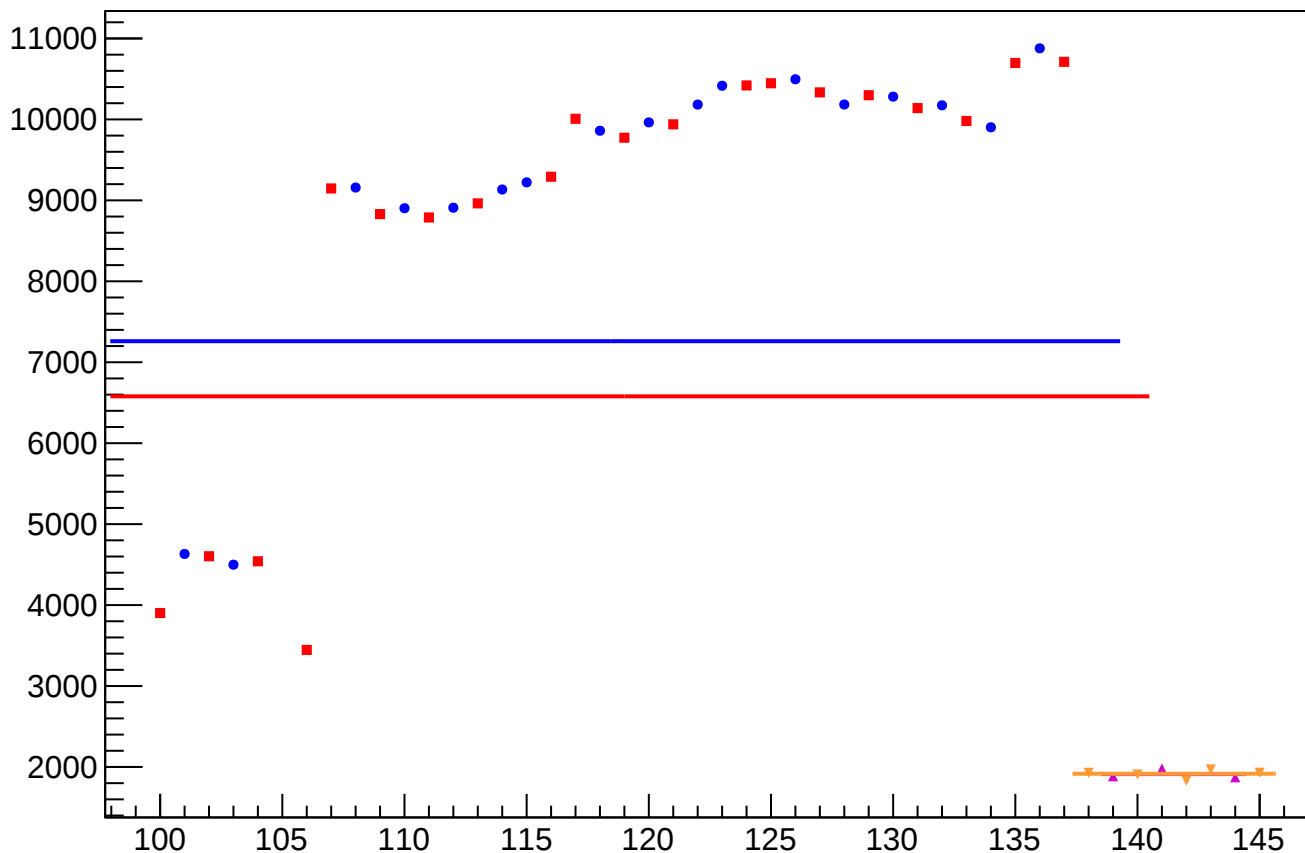
Left In: 5.706 ± 1.240 χ^2/NDF : 1.6/2

5.269 ± 0.991 χ^2/NDF : 383.6/21

3.274 ± 0.744 χ^2/NDF : 532.8/44

0.710 ± 1.124 χ^2/NDF : 139.9/22

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

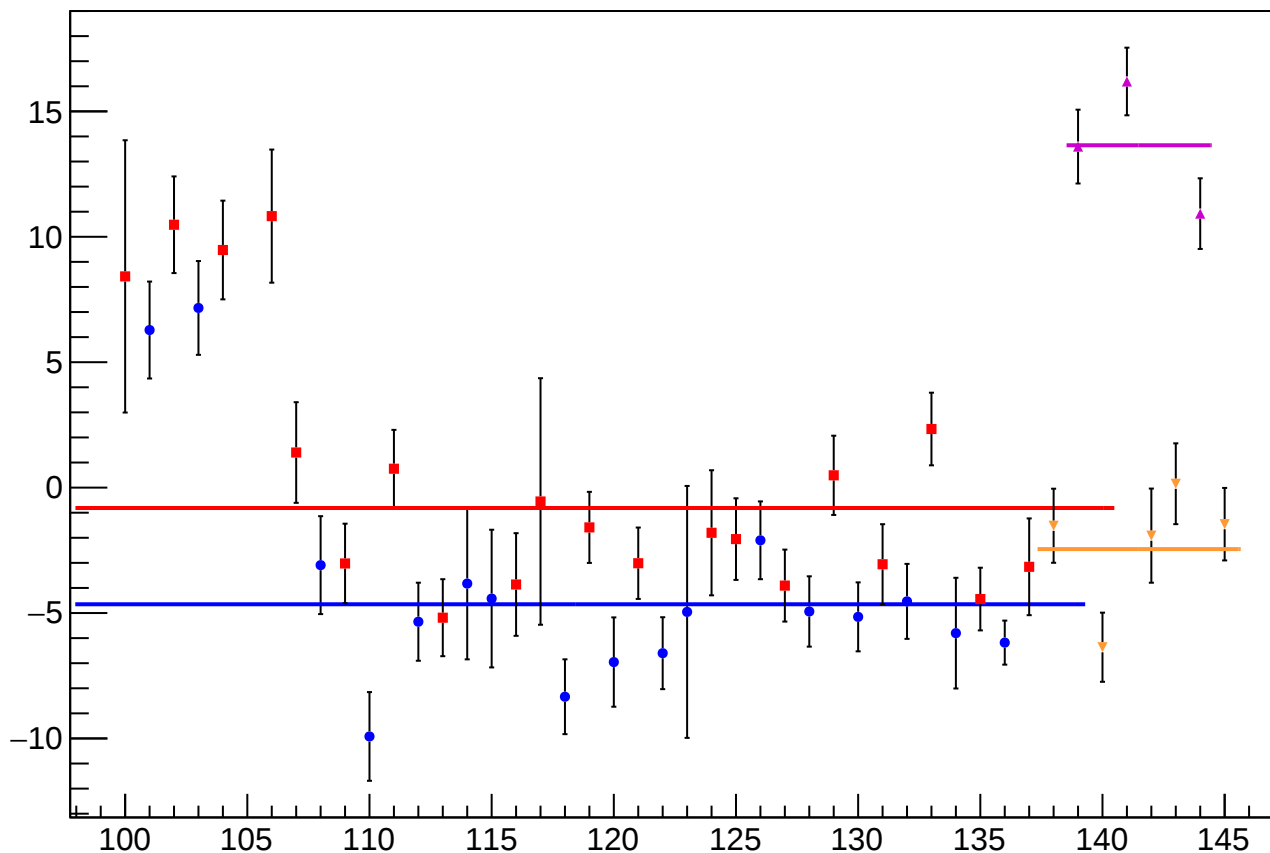
Left In: 1912.083+/-0.877 χ^2/NDF : 3058.1/2

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

2610.048+/-0.526 χ^2/NDF : 14653999.1/4

2742.145+/-0.795 χ^2/NDF : 7251000.6/22

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

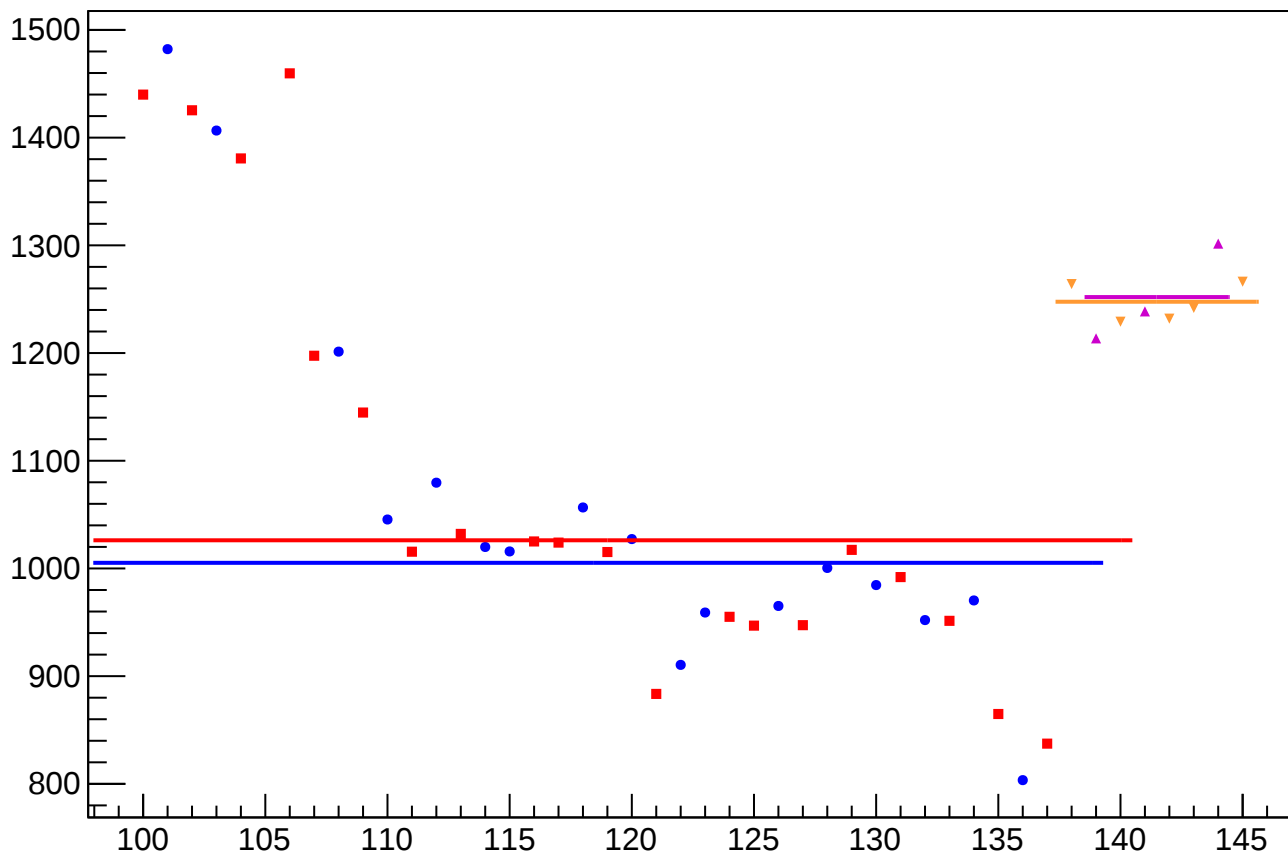
Left In: 13.649 $\pm$ 0.812 χ^2/NDF : 7.3/2

-4.106 $\pm$ 0.341 χ^2/NDF : 117.0/21

-1.197 $\pm$ 0.244 χ^2/NDF : 656.1/44

1.867 $\pm$ 0.350 χ^2/NDF : 389.4/22

diff_bpm0l04Y_rms vs Slug, Sign Corrected



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

Left Out: 1247.632 $\pm$ 0.484 χ^2/NDF : 1105.2/4

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

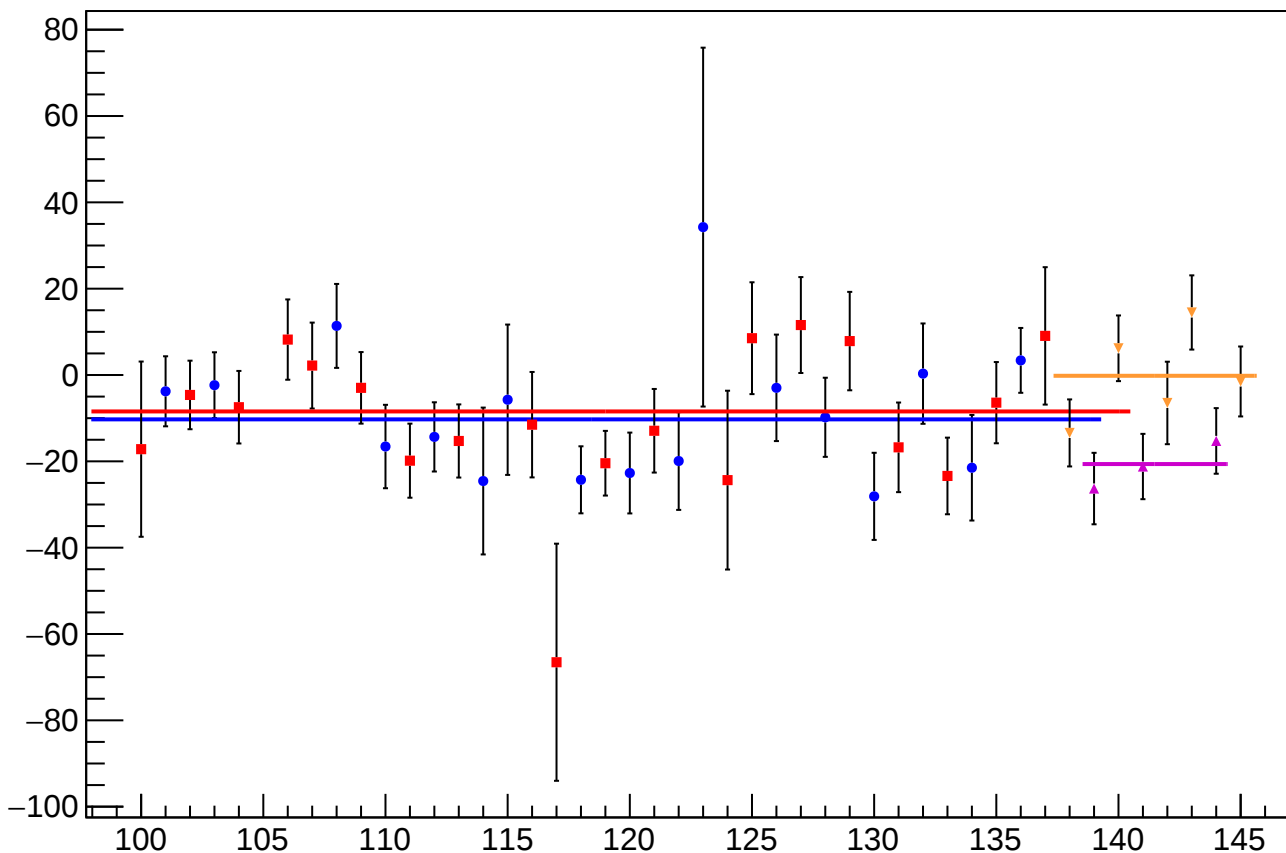
Left In: 1251.970 $\pm$ 0.574 χ^2/NDF : 4036.4/2

1065.206 $\pm$ 0.241 χ^2/NDF : 551690.2/21

1066.564 $\pm$ 0.173 χ^2/NDF : 1014921.5/44

1067.994 $\pm$ 0.247 χ^2/NDF : 463166.1/22

diff_bpm0l05X_mean vs Slug, Sign Corrected



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

Left Out: -0.181 $\pm$ 3.686 χ^2/NDF : 7.0/4

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

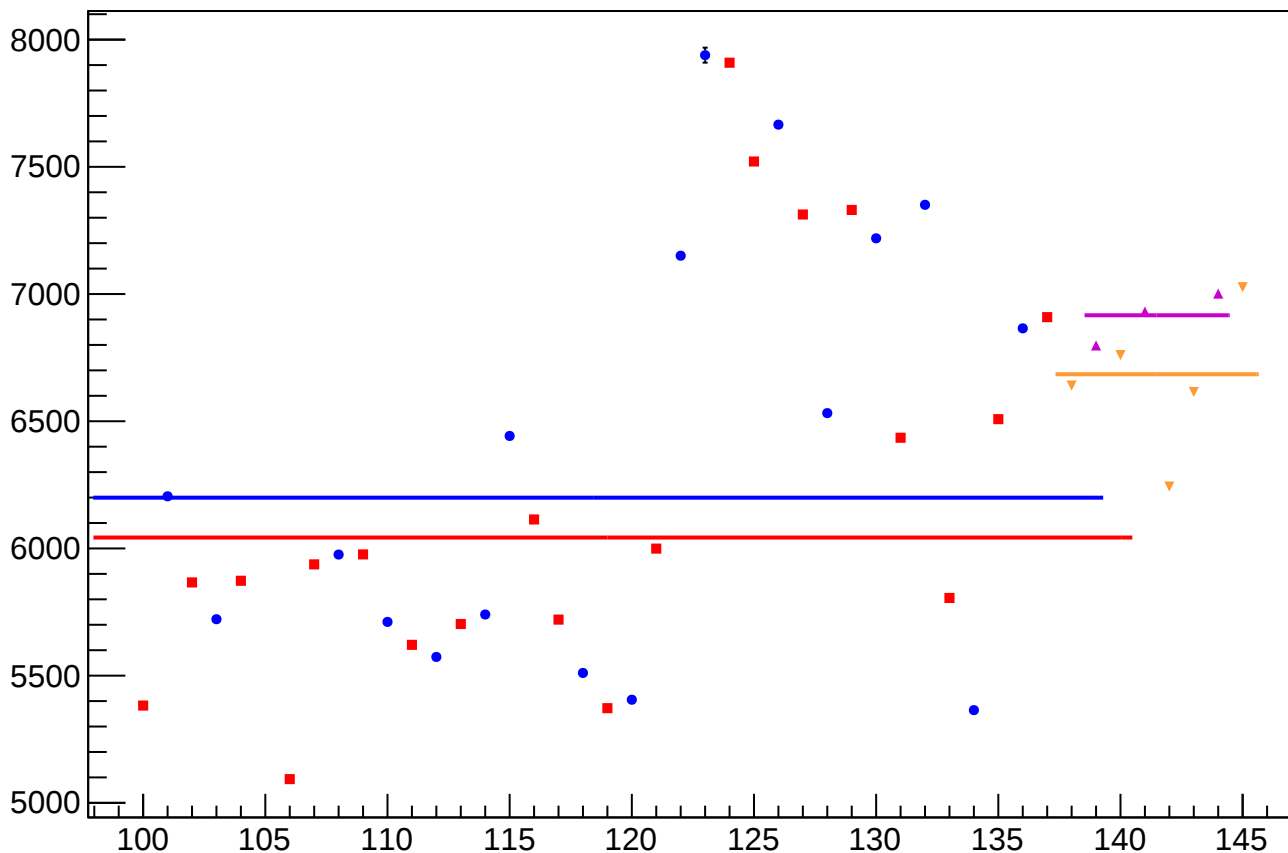
Left In: -20.630 $\pm$ 4.500 χ^2/NDF : 1.0/2

-7.258 $\pm$ 2.016 χ^2/NDF : 35.7/21

-9.076 $\pm$ 1.429 χ^2/NDF : 71.4/44

-10.914 $\pm$ 2.027 χ^2/NDF : 34.1/22

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

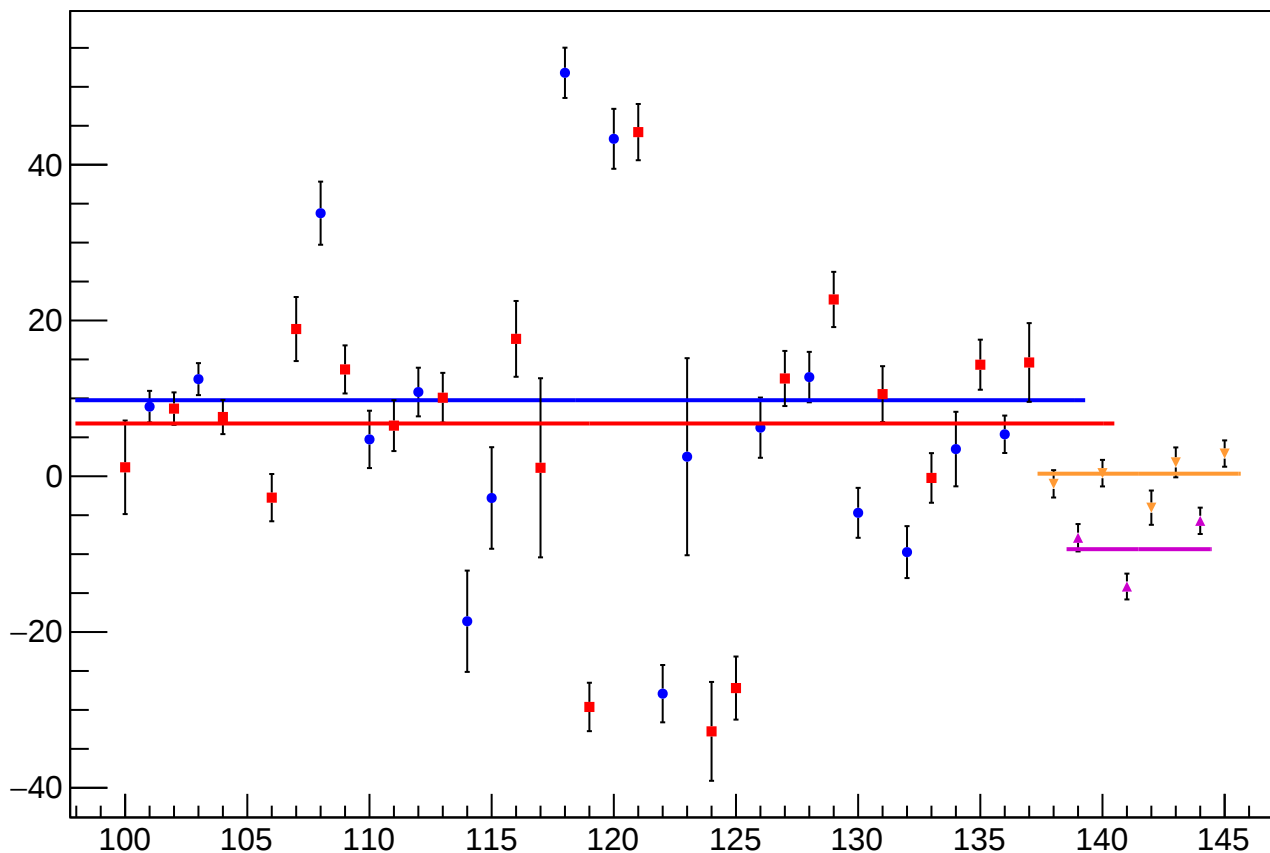
Left In: 6916.542 $\pm$ 3.182 χ^2/NDF : 670.0/2

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

6282.789 $\pm$ 1.011 χ^2/NDF : 427393.7/44

6220.219 $\pm$ 1.433 χ^2/NDF : 219343.7/22

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

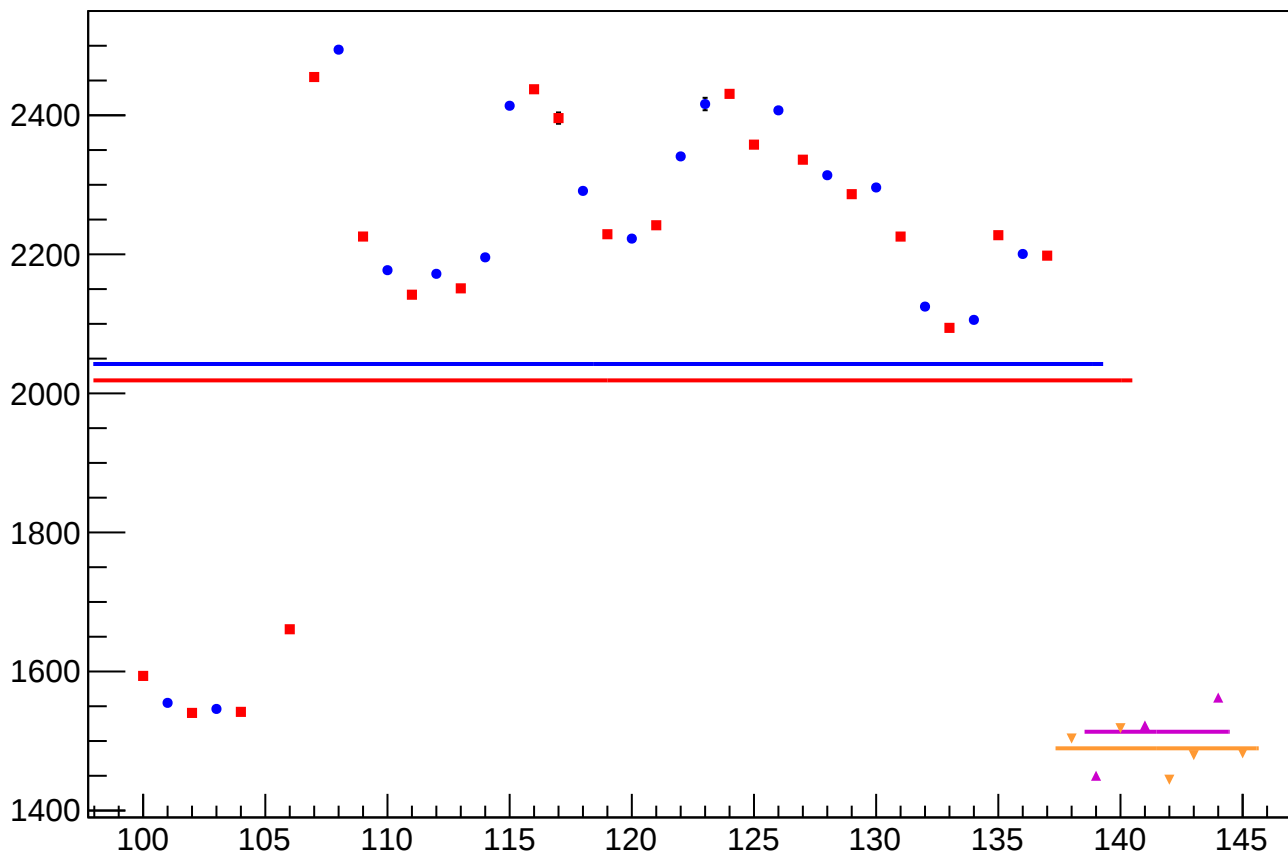
Left In: -9.362 ± 0.982 χ^2/NDF : 13.7/2

5.168 ± 0.571 χ^2/NDF : 549.5/21

3.057 ± 0.414 χ^2/NDF : 1182.5/44

0.702 ± 0.603 χ^2/NDF : 604.1/22

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

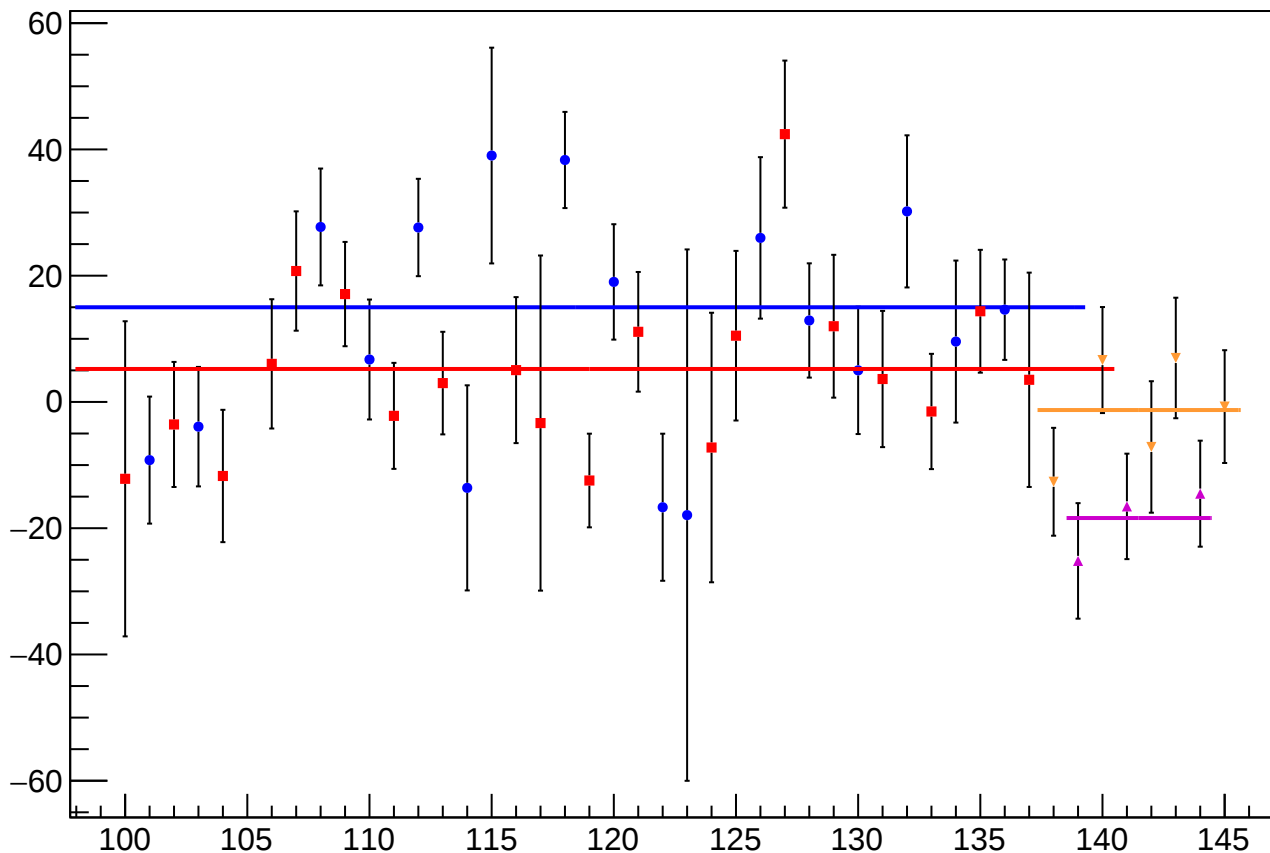
Left In: 1513.326 $\pm$ 0.695 χ^2 /NDF:4336.4/2

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

1799.223 $\pm$ 0.293 χ^2 /NDF: 1548561.3/44

1828.481 $\pm$ 0.426 χ^2 /NDF: 712304.3/22

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

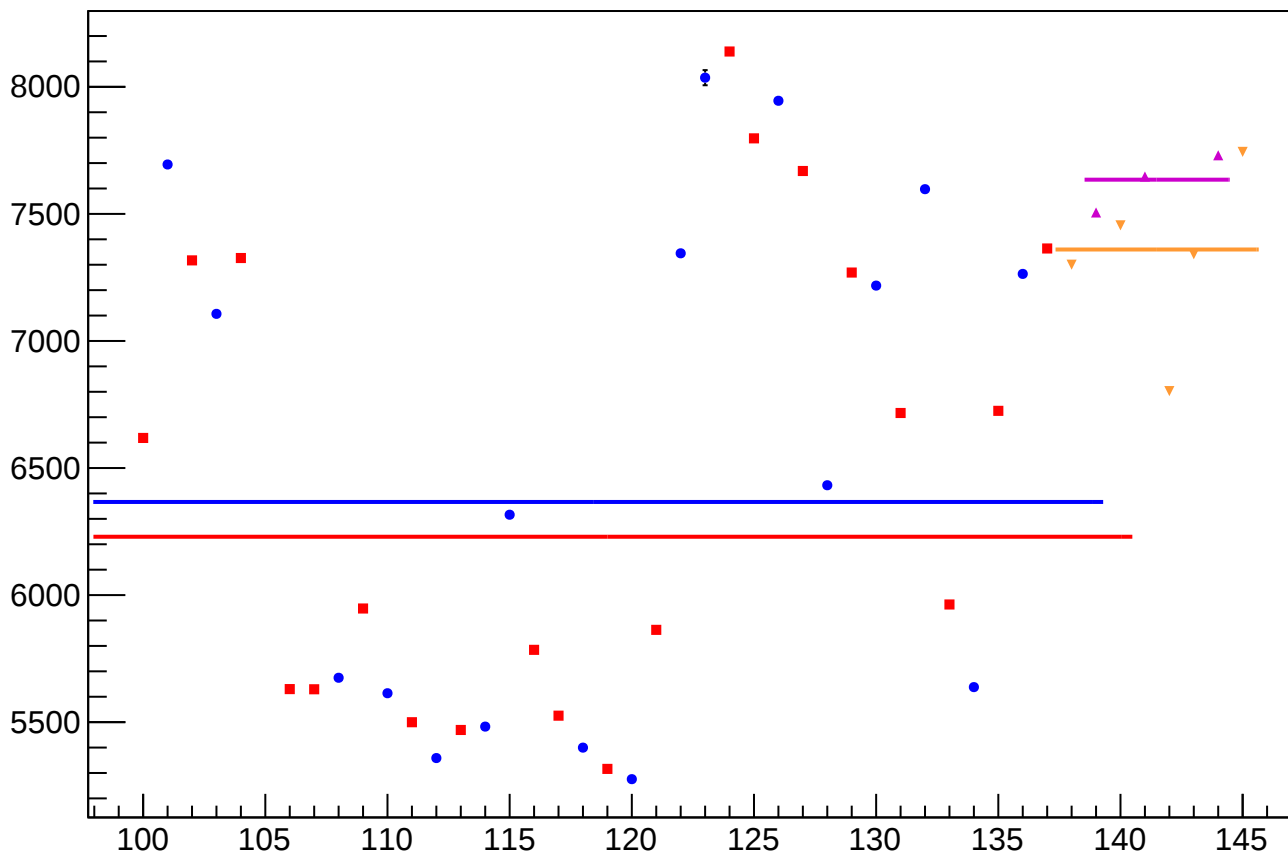
Left In: -18.387 $\pm$ 4.971 χ^2/NDF : 0.8/2

10.562 $\pm$ 2.120 χ^2/NDF : 56.7/21

5.747 $\pm$ 1.500 χ^2/NDF : 114.5/44

0.916 $\pm$ 2.123 χ^2/NDF : 47.4/22

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

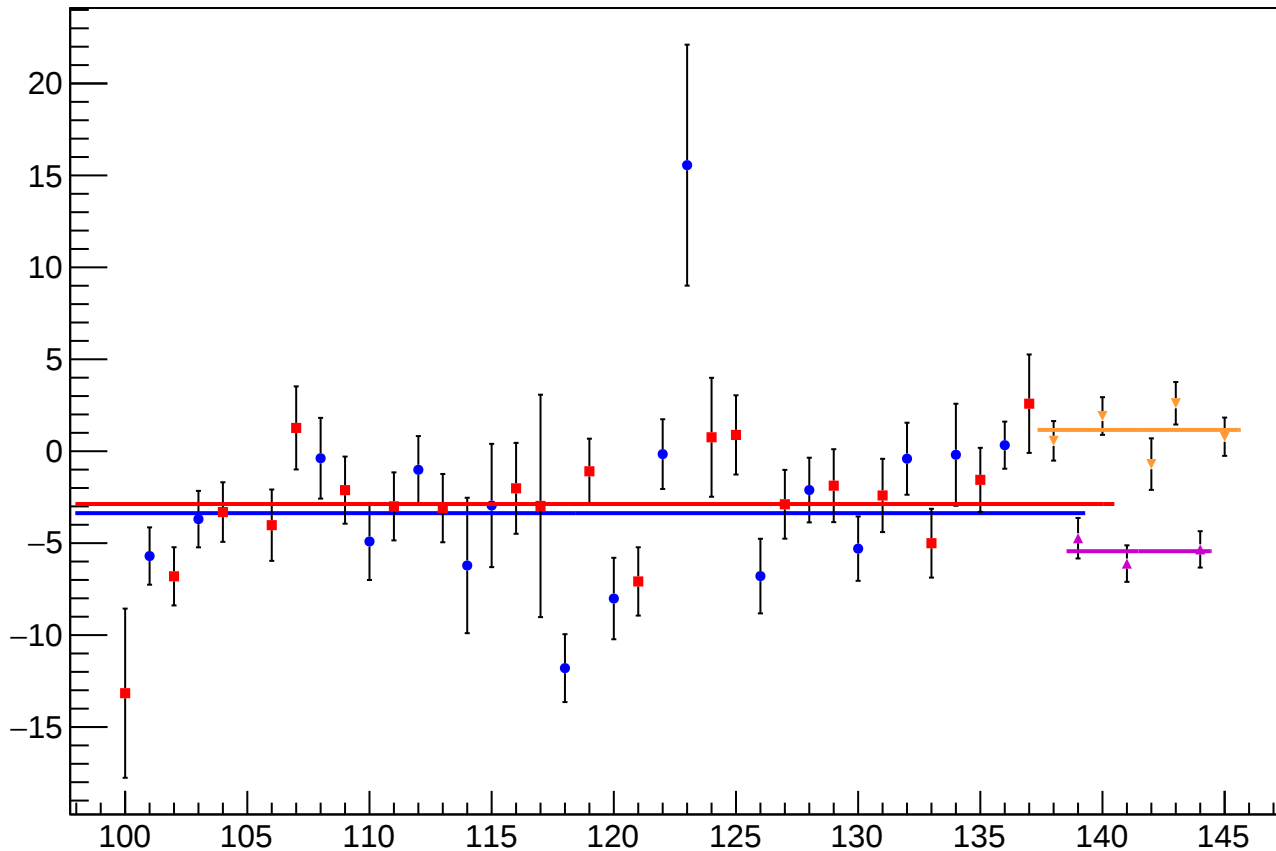
Left In: 7634.698 $\pm$ 3.515 χ^2/NDF : 663.7/2

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

6561.641 $\pm$ 1.061 χ^2/NDF : 764329.3/44

6485.933 $\pm$ 1.501 χ^2/NDF : 375915.7/22

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

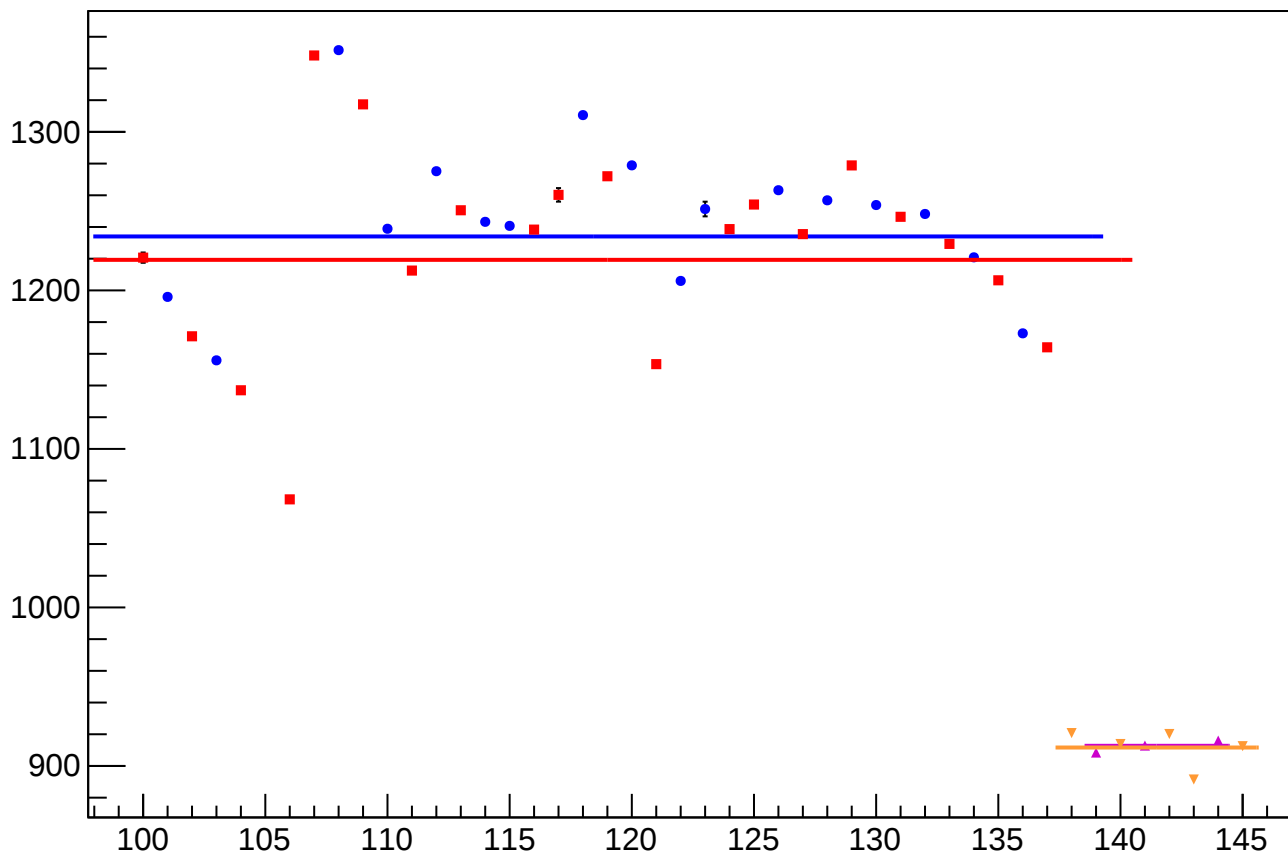
Left In: -5.437 $\pm$ 0.591 χ^2/NDF : 0.9/2

-1.218 $\pm$ 0.345 χ^2/NDF : 107.2/21

-2.463 $\pm$ 0.249 χ^2/NDF : 179.3/44

-3.826 $\pm$ 0.361 χ^2/NDF : 44.8/22

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

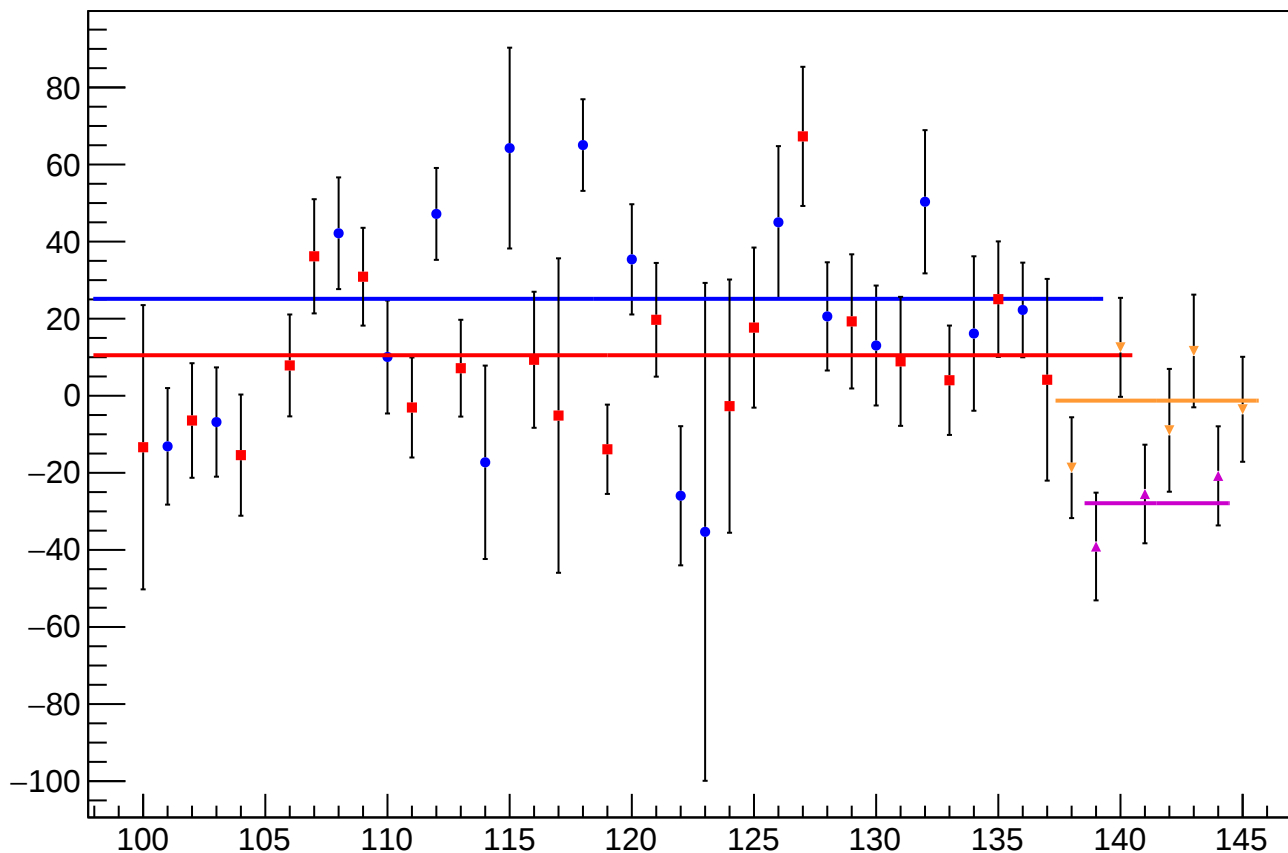
Left In: 912.712 $\pm$ 0.418 χ^2 /NDF:51.8/2

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

1092.520 $\pm$ 0.176 χ^2 /NDF: 843871.6/44

1105.201 $\pm$ 0.255 χ^2 /NDF: 378194.2/22

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 25.149+/-3.837 χ^2/NDF : 46.9/16

Left Out: -1.266+/-6.212 χ^2/NDF : 4.0/4

Right Out: 10.513+/-3.581 χ^2/NDF : 27.8/19

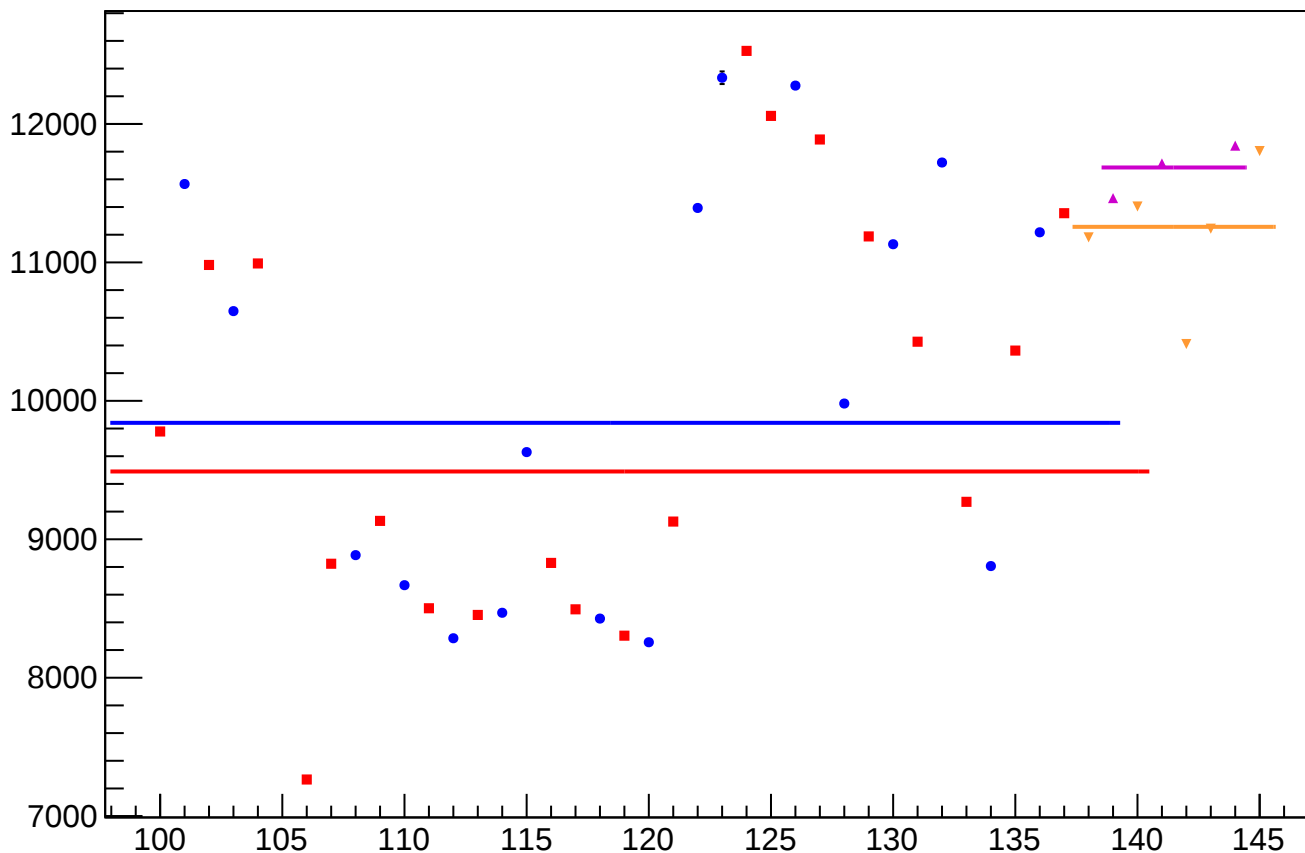
Left In: -27.885+/-7.609 χ^2/NDF : 1.0/2

17.853+/-3.265 χ^2/NDF : 64.0/21

10.647+/-2.300 χ^2/NDF : 123.3/44

3.550+/-3.240 χ^2/NDF : 49.7/22

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

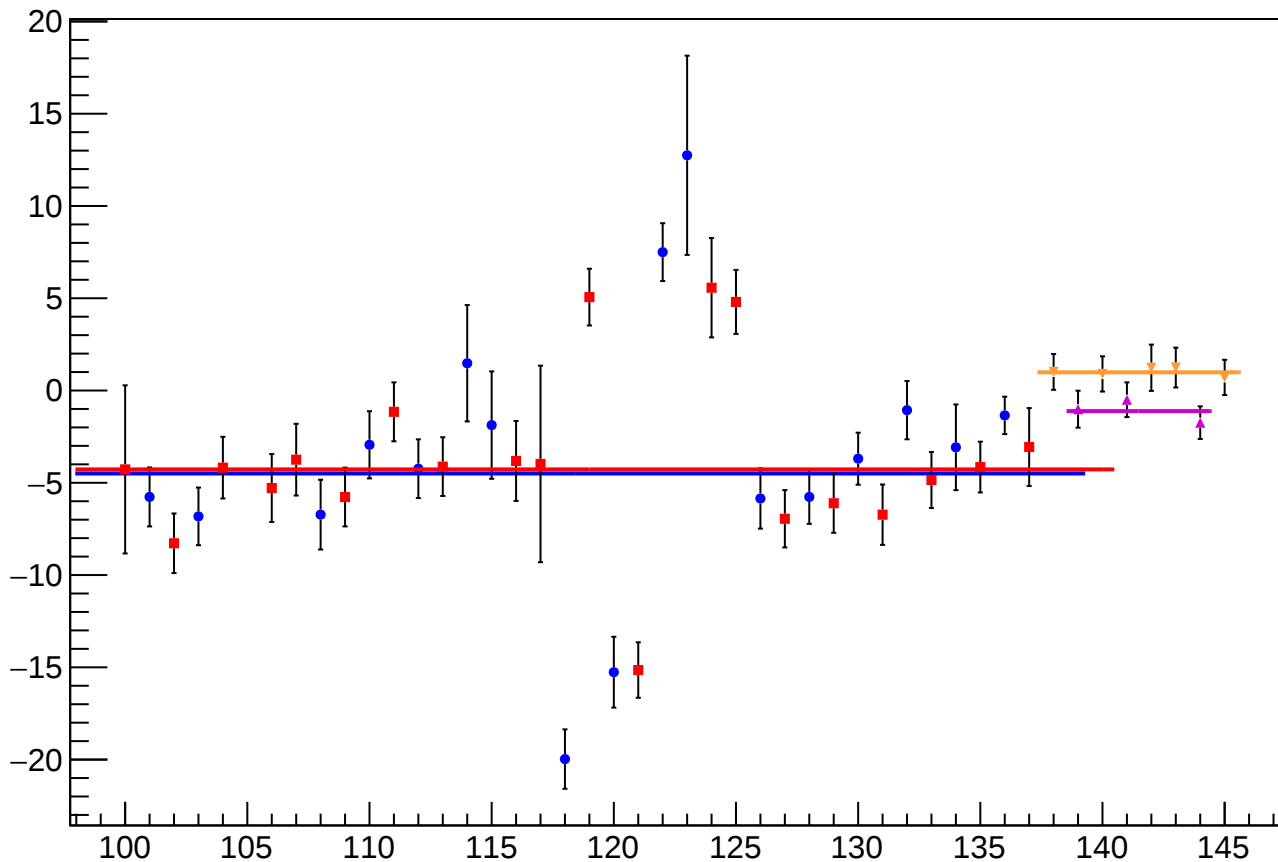
Left In: 11685.682+/-5.380 χ^2/NDF : 812.4/2

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

10058.750+/-1.626 χ^2/NDF : 770758.9/44

9887.927+/-2.291 χ^2/NDF : 415096.5/22

diff_bpm0l07Y_mean vs Slug, Sign Corrected



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

Left Out: 0.987 ± 0.459 χ^2/NDF : 0.2/4

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

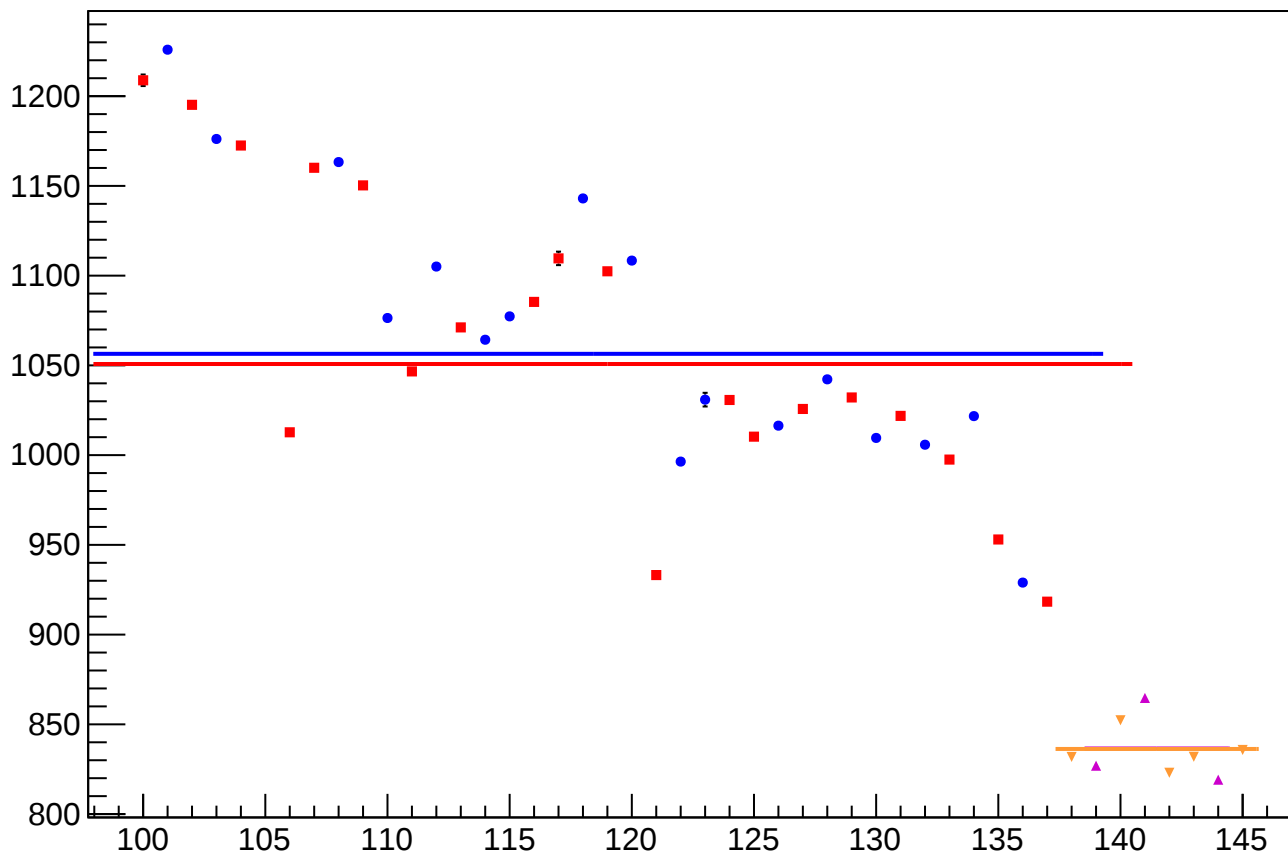
Left In: -1.116 ± 0.542 χ^2/NDF : 0.9/2

-2.073 ± 0.305 χ^2/NDF : 298.4/21

-2.606 ± 0.220 χ^2/NDF : 476.2/44

-3.187 ± 0.318 χ^2/NDF : 171.5/22

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1056.436+/-0.289 χ^2/NDF : 90773.0/16

Left Out: 836.289+/-0.324 χ^2/NDF : 859.2/4

Right Out: 1050.765+/-0.278 χ^2/NDF : 82642.2/19

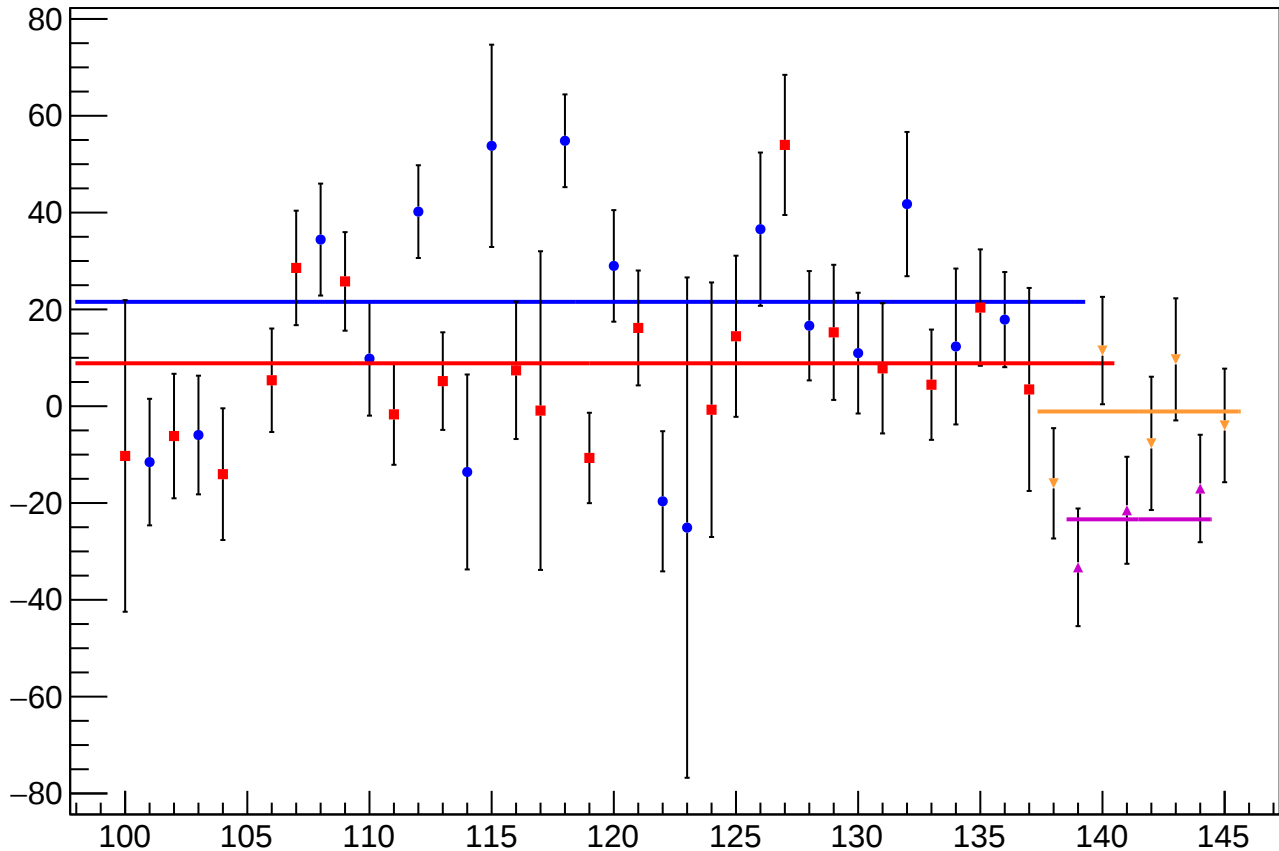
Left In: 836.561+/-0.383 χ^2/NDF : 2748.2/2

959.124+/-0.216 χ^2/NDF : 348810.0/21

967.682+/-0.156 χ^2/NDF : 642284.5/44

976.997+/-0.225 χ^2/NDF : 290183.6/22

diff_bpm0l08X_mean vs Slug, Sign Corrected



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

Left Out: -1.091 $\pm$ 5.372 χ^2/NDF : 4.0/4

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

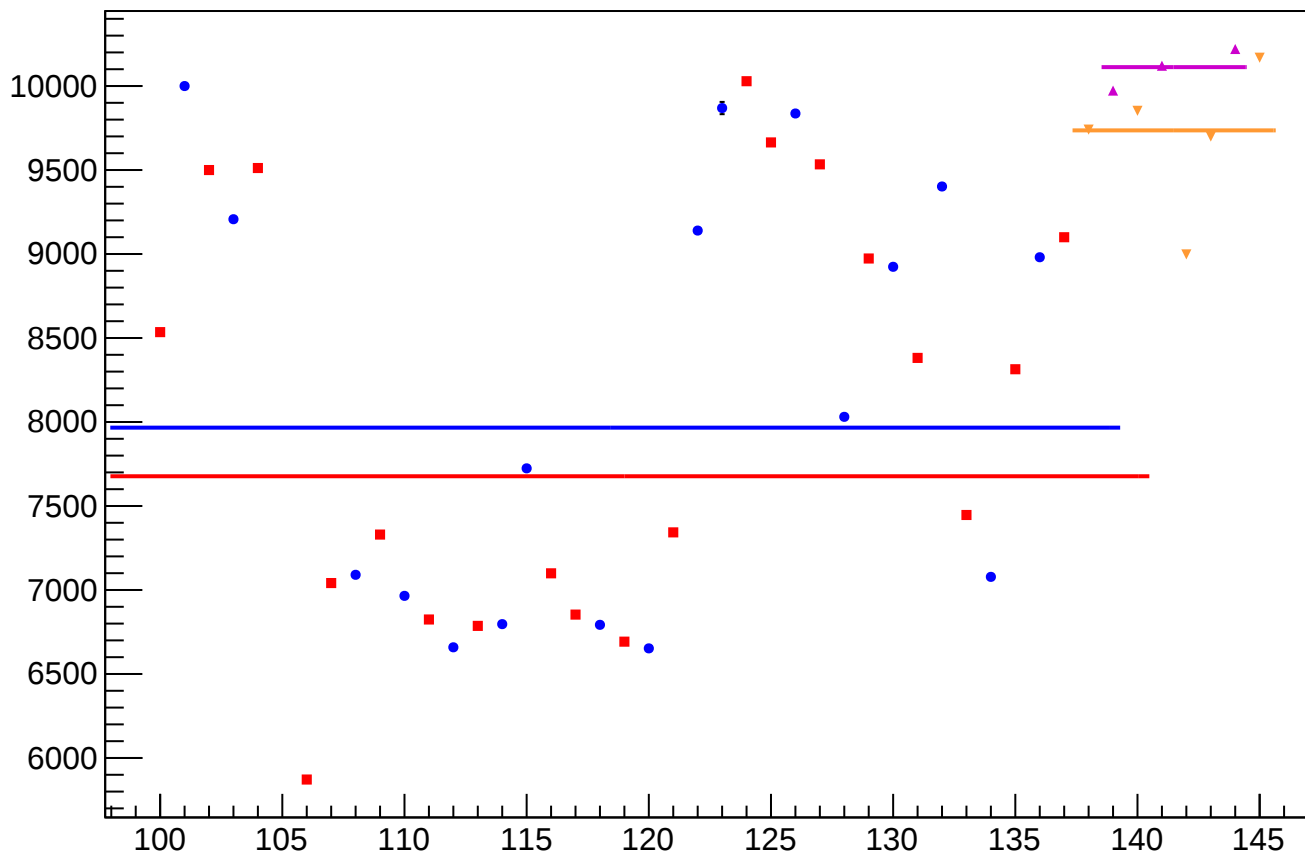
Left In: -23.372 $\pm$ 6.583 χ^2/NDF : 1.0/2

15.875 $\pm$ 2.692 χ^2/NDF : 65.7/21

9.664 $\pm$ 1.890 χ^2/NDF : 124.8/44

3.626 $\pm$ 2.654 χ^2/NDF : 48.6/22

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

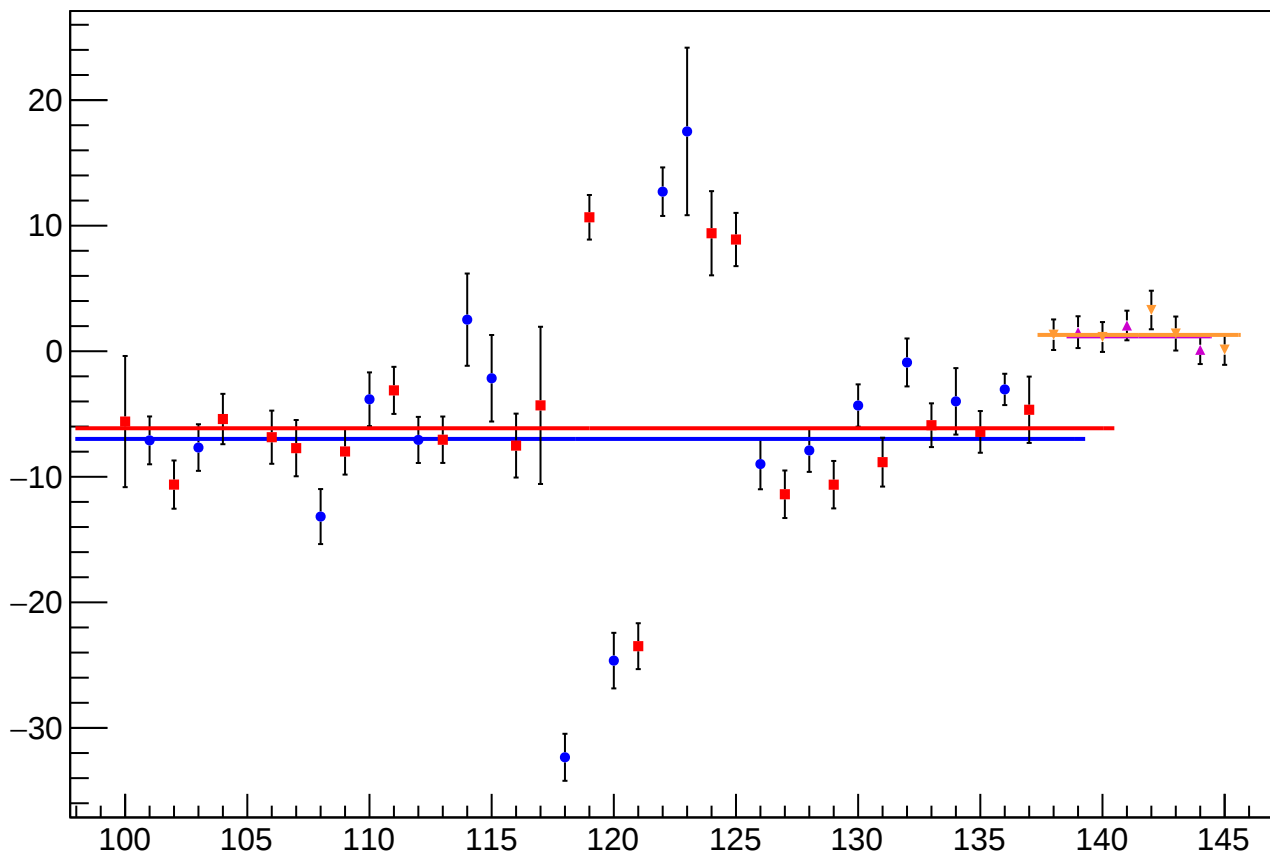
Left In: 10112.455 $\pm$ 4.655 χ^2/NDF : 454.3/2

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

8239.423 $\pm$ 1.336 χ^2/NDF : 1029743.9/44

8072.946 $\pm$ 1.877 χ^2/NDF : 545965.0/22

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

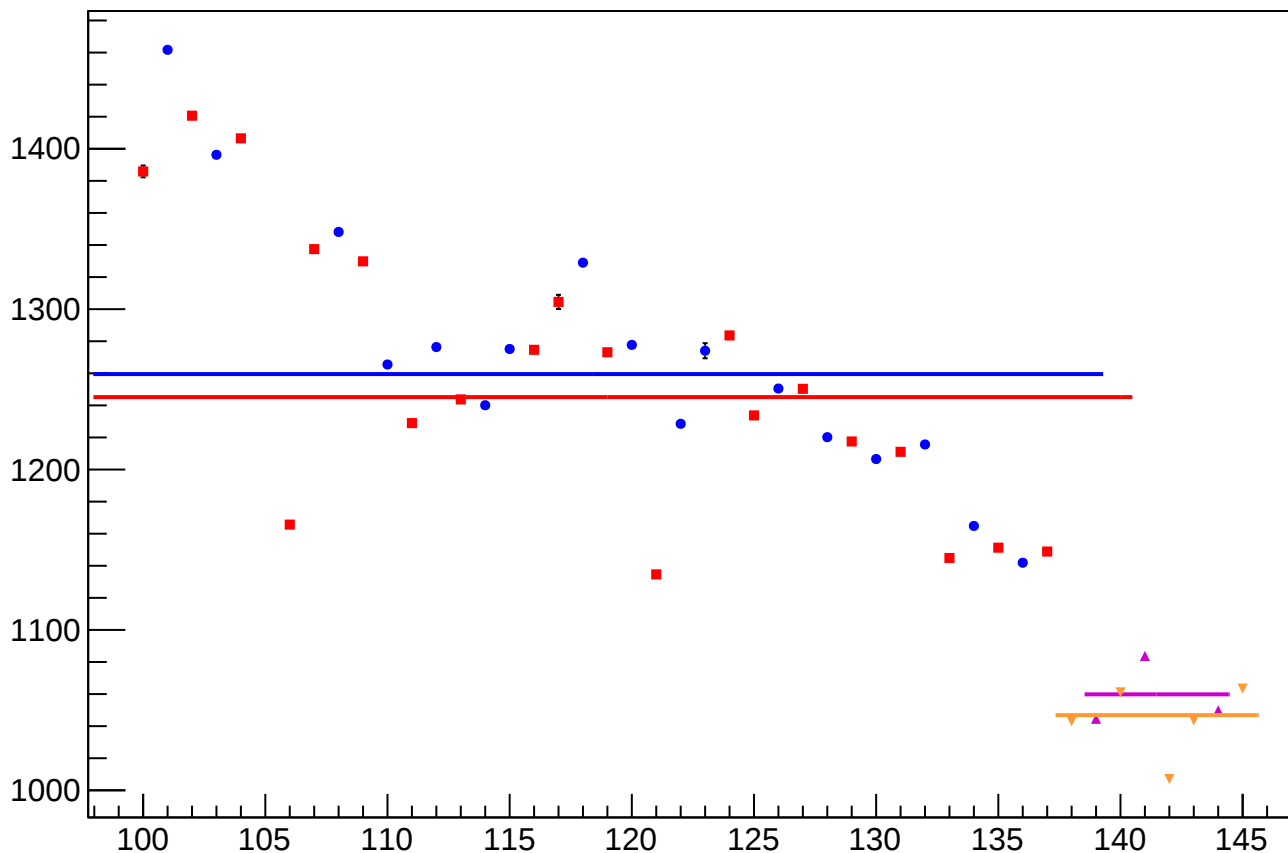
Left In: 1.183 ± 0.687 χ^2/NDF : 1.5/2

-3.526 ± 0.371 χ^2/NDF : 532.3/21

-3.674 ± 0.267 χ^2/NDF : 889.5/44

-3.833 ± 0.385 χ^2/NDF : 356.9/22

diff_bpm0l08Y_rms vs Slug, Sign Corrected



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

Left Out: 1046.866 $\pm$ 0.406 χ^2 /NDF: 2037.3/4

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

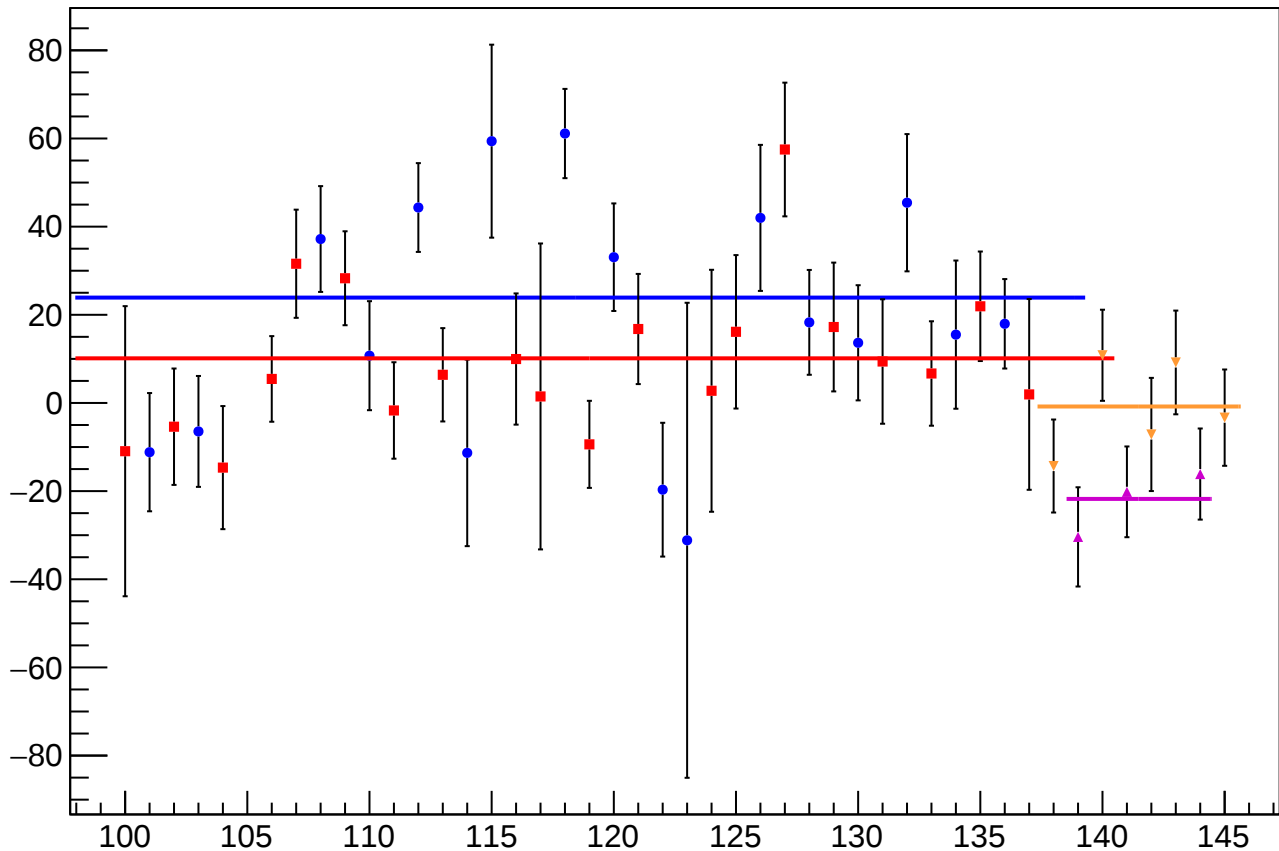
Left In: 1059.831 $\pm$ 0.486 χ^2 /NDF: 1267.2/2

1170.750 $\pm$ 0.262 χ^2 /NDF: 226635.6/21

1178.509 $\pm$ 0.189 χ^2 /NDF: 396498.6/44

1186.876 $\pm$ 0.272 χ^2 /NDF: 168045.4/22

diff_bpm0l09X_mean vs Slug, Sign Corrected



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

Left Out: -0.804 $\pm$ 4.999 χ^2 /NDF: 3.9/4

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

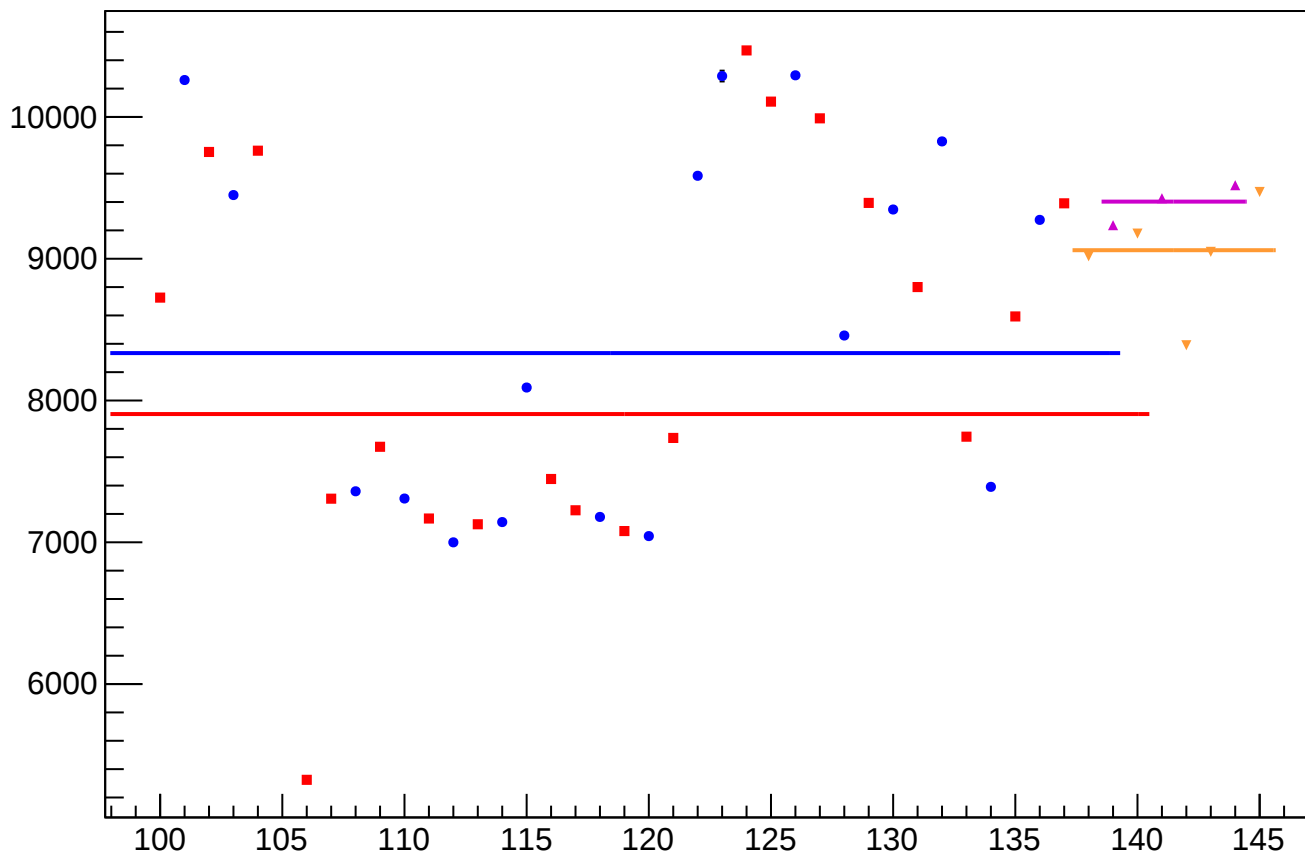
Left In: -21.770 $\pm$ 6.121 χ^2 /NDF: 0.9/2

16.562 $\pm$ 2.725 χ^2 /NDF: 73.5/21

10.182 $\pm$ 1.914 χ^2 /NDF: 135.2/44

3.966 $\pm$ 2.690 χ^2 /NDF: 50.8/22

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8334.507+/-2.299 χ^2/NDF : 272302.6/16

Left Out: 9060.180+/-3.535 χ^2/NDF : 8573.1/4

Right Out: 7904.529+/-2.117 χ^2/NDF : 391589.9/19

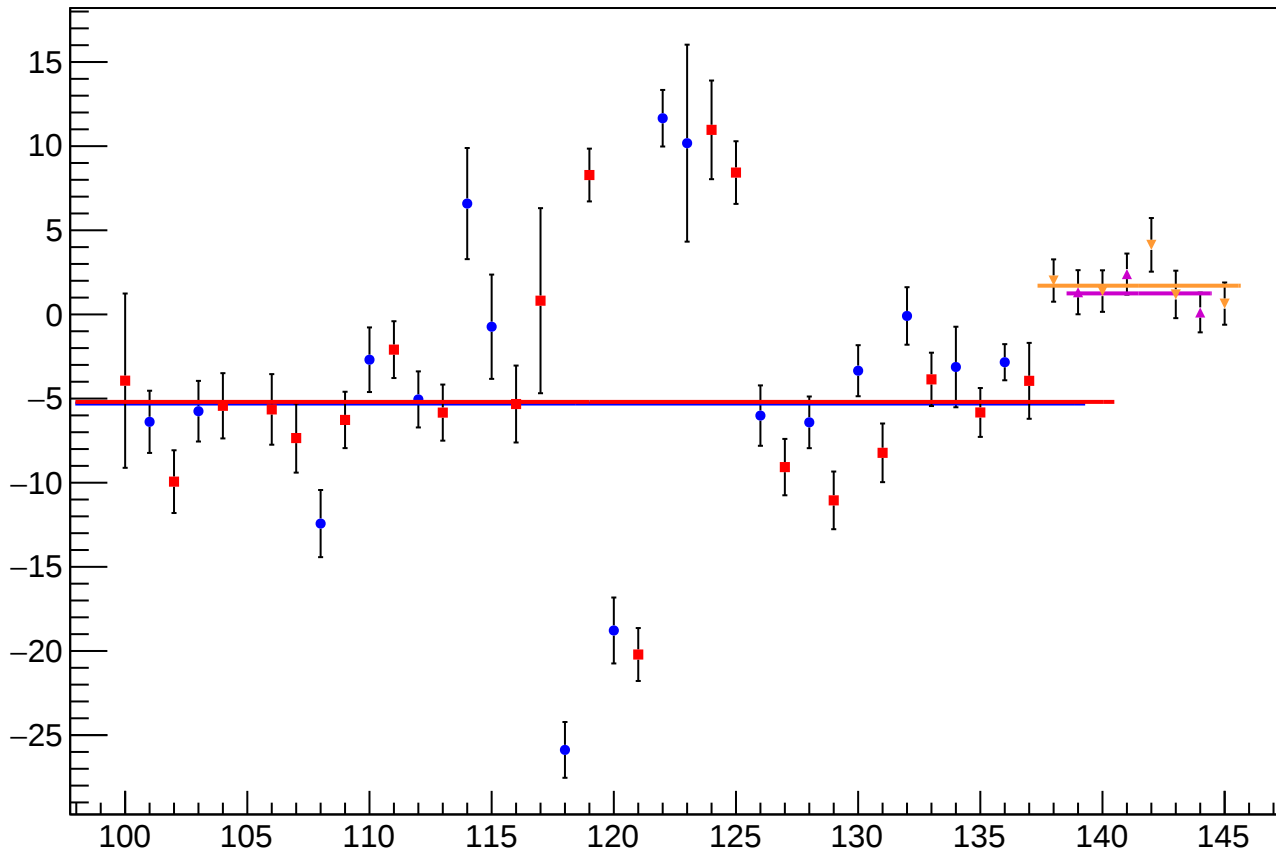
Left In: 9402.856+/-4.328 χ^2/NDF : 697.1/2

8550.168+/-1.927 χ^2/NDF : 310498.2/21

8369.683+/-1.354 χ^2/NDF : 816798.4/44

8193.842+/-1.902 χ^2/NDF : 488979.6/22

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

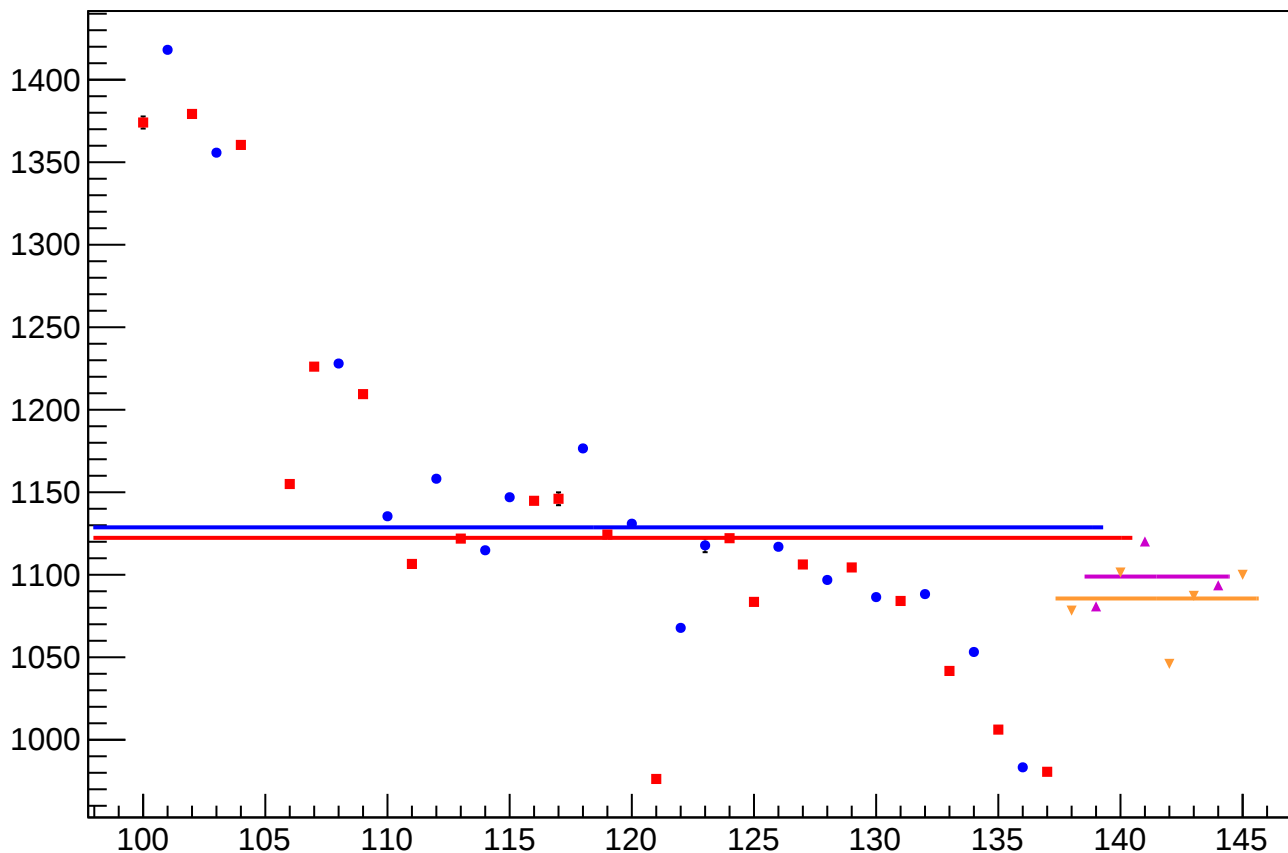
Left In: 1.250 ± 0.712 χ^2/NDF : 1.8/2

-2.845 ± 0.352 χ^2/NDF : 451.3/21

-3.179 ± 0.252 χ^2/NDF : 798.9/44

-3.532 ± 0.362 χ^2/NDF : 345.7/22

diff_bpm0l09Y_rms vs Slug, Sign Corrected



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

Left Out: 1085.624 $\pm$ 0.421 χ^2 /NDF:1893.0/4

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

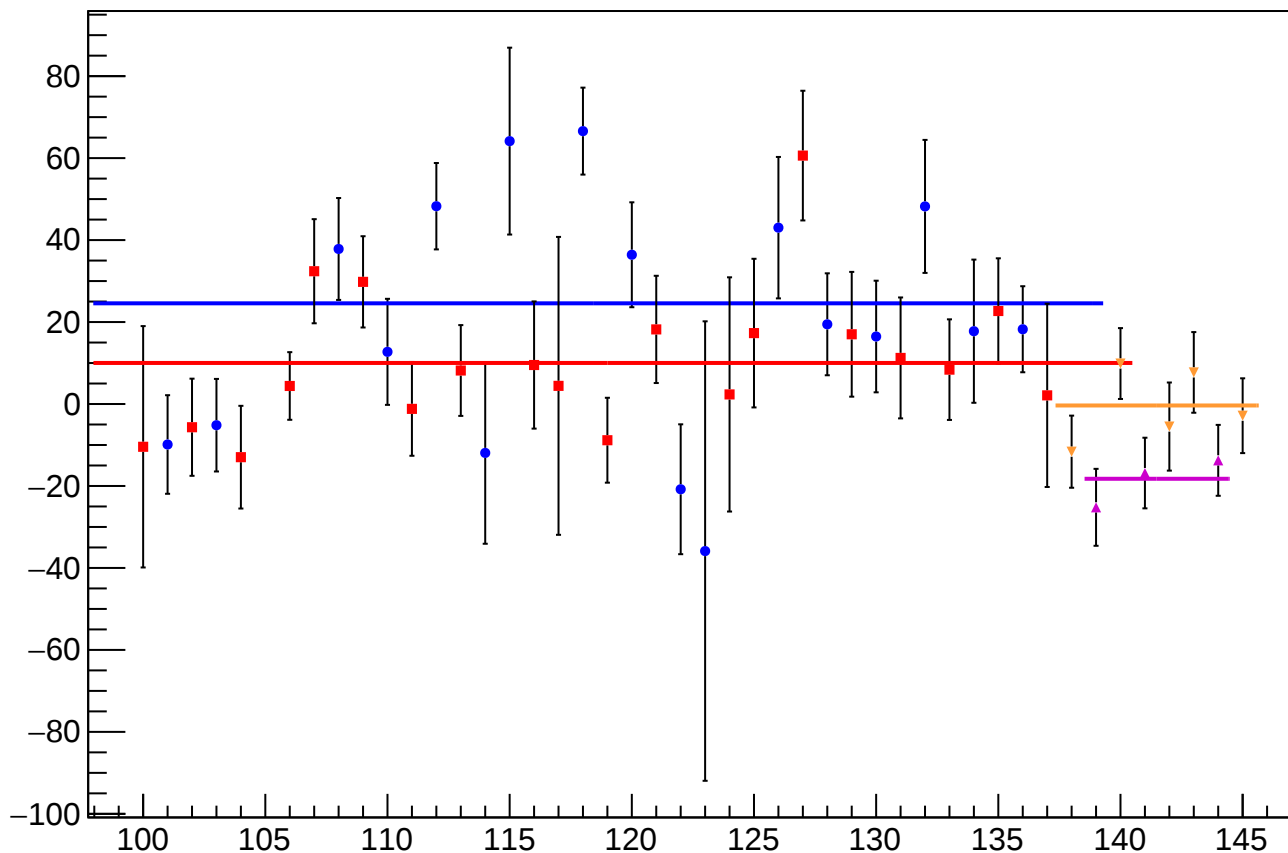
Left In: 1098.916 $\pm$ 0.504 χ^2 /NDF:1028.7/2

1113.656 $\pm$ 0.249 χ^2 /NDF: 141806.1/21

1114.949 $\pm$ 0.179 χ^2 /NDF: 274138.3/44

1116.315 $\pm$ 0.256 χ^2 /NDF: 132276.8/22

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

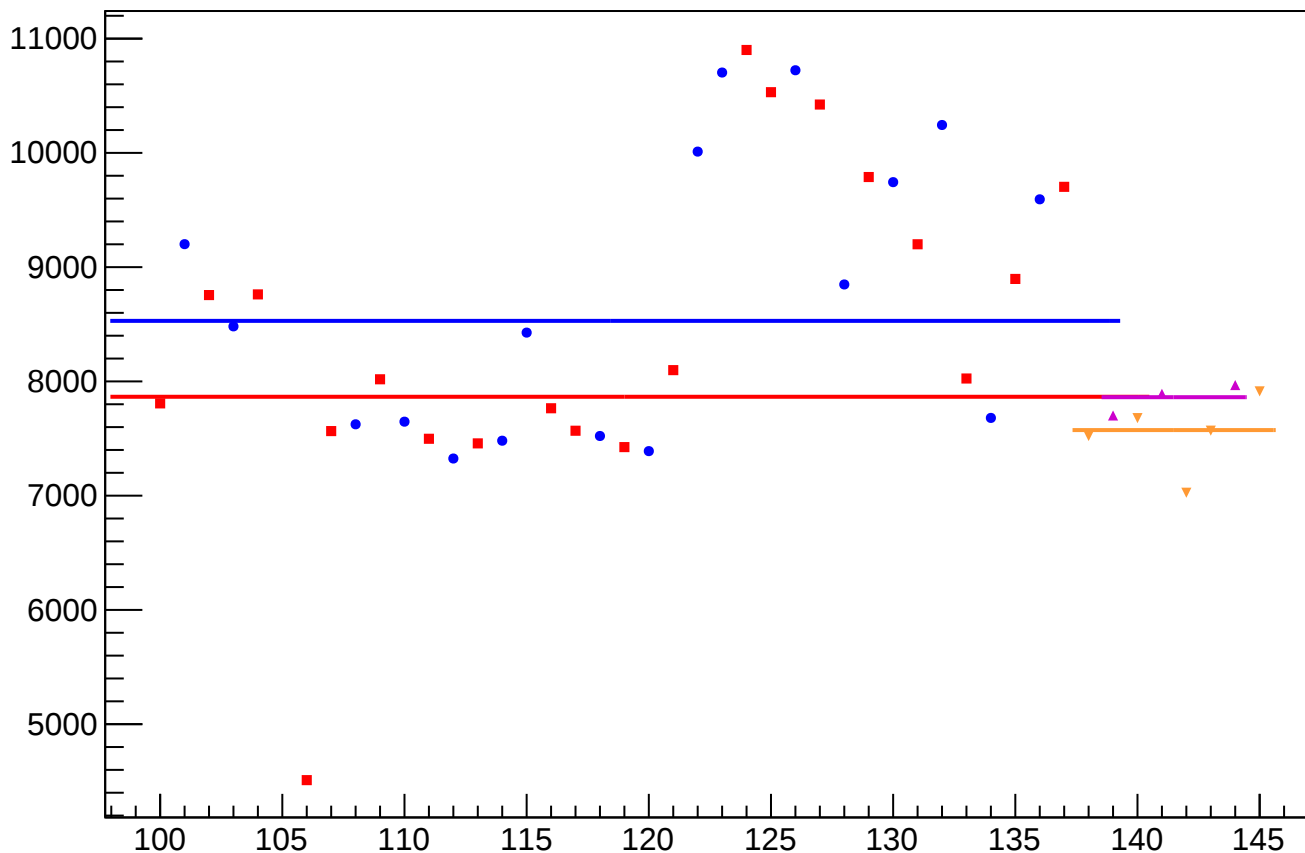
Left In: -18.244 $\pm$ 5.118 χ^2/NDF : 0.8/2

14.928 $\pm$ 2.599 χ^2/NDF : 83.9/21

8.836 $\pm$ 1.833 χ^2/NDF : 147.3/44

2.800 $\pm$ 2.586 χ^2/NDF : 52.4/22

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8529.821 +/- 2.346 χ^2/NDF : 208336.1/16

Left Out: 7573.992 +/- 2.954 χ^2/NDF : 8323.9/4

Right Out: 7865.549 +/- 2.119 χ^2/NDF : 555976.4/19

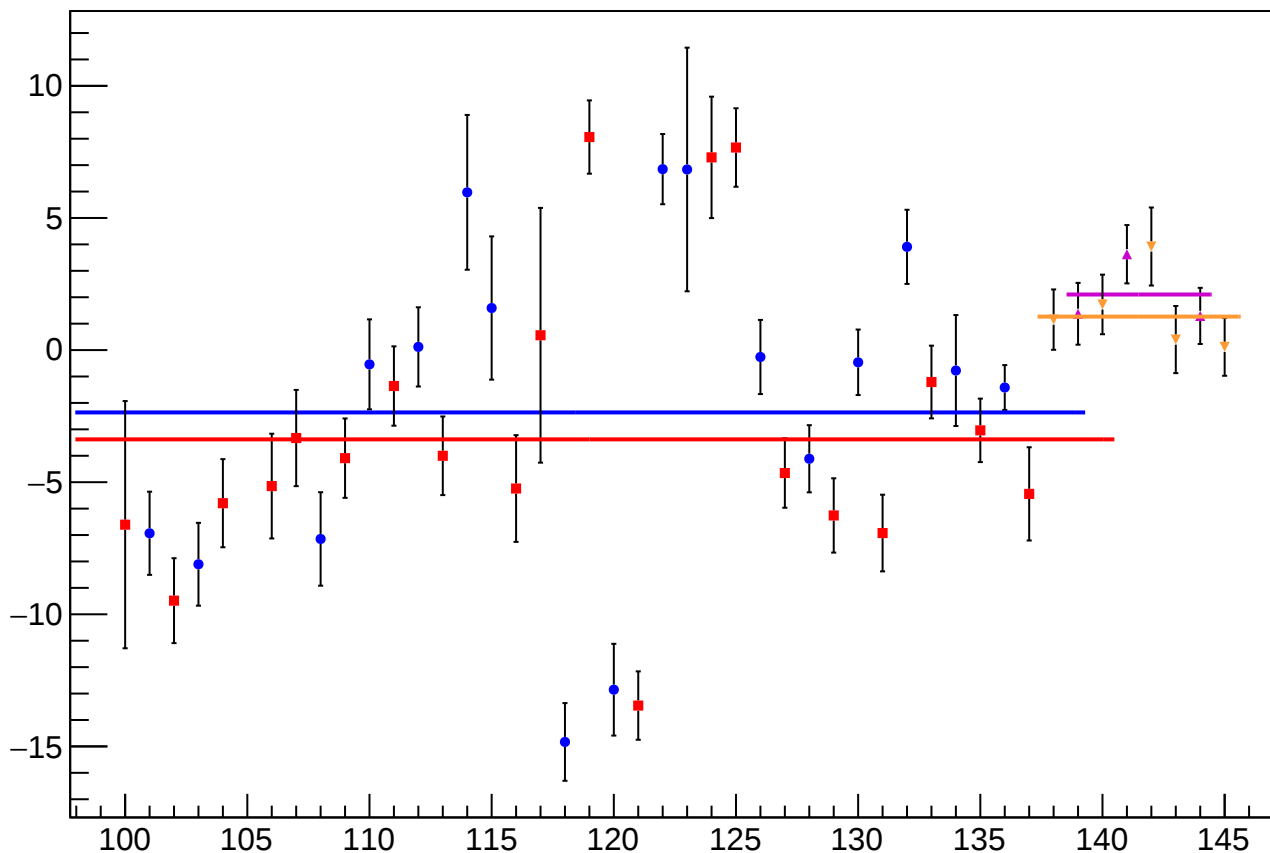
Left In: 7861.880 +/- 3.619 χ^2/NDF : 906.1/2

8160.119 +/- 1.837 χ^2/NDF : 280841.9/21

8011.675 +/- 1.296 χ^2/NDF : 850717.8/44

7864.612 +/- 1.829 χ^2/NDF : 556883.2/22

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

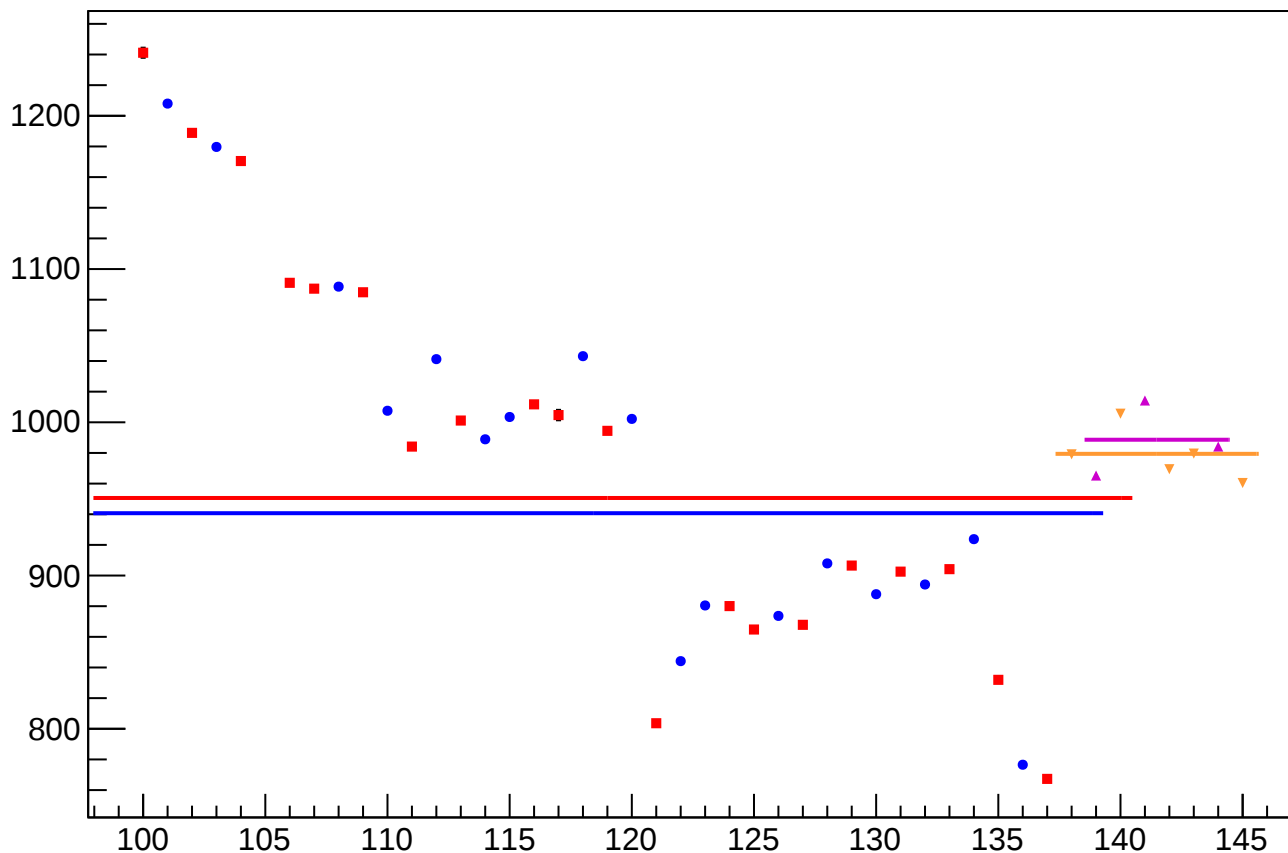
Left In: 2.104 ± 0.641 χ^2/NDF : 2.9/2

-1.212 ± 0.302 χ^2/NDF : 268.1/21

-1.632 ± 0.217 χ^2/NDF : 573.0/44

-2.079 ± 0.312 χ^2/NDF : 300.9/22

diff_bpm0l10Y_rms vs Slug, Sign Corrected



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

Left Out: 979.418 $\pm$ 0.380 χ^2/NDF : 1777.3/4

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

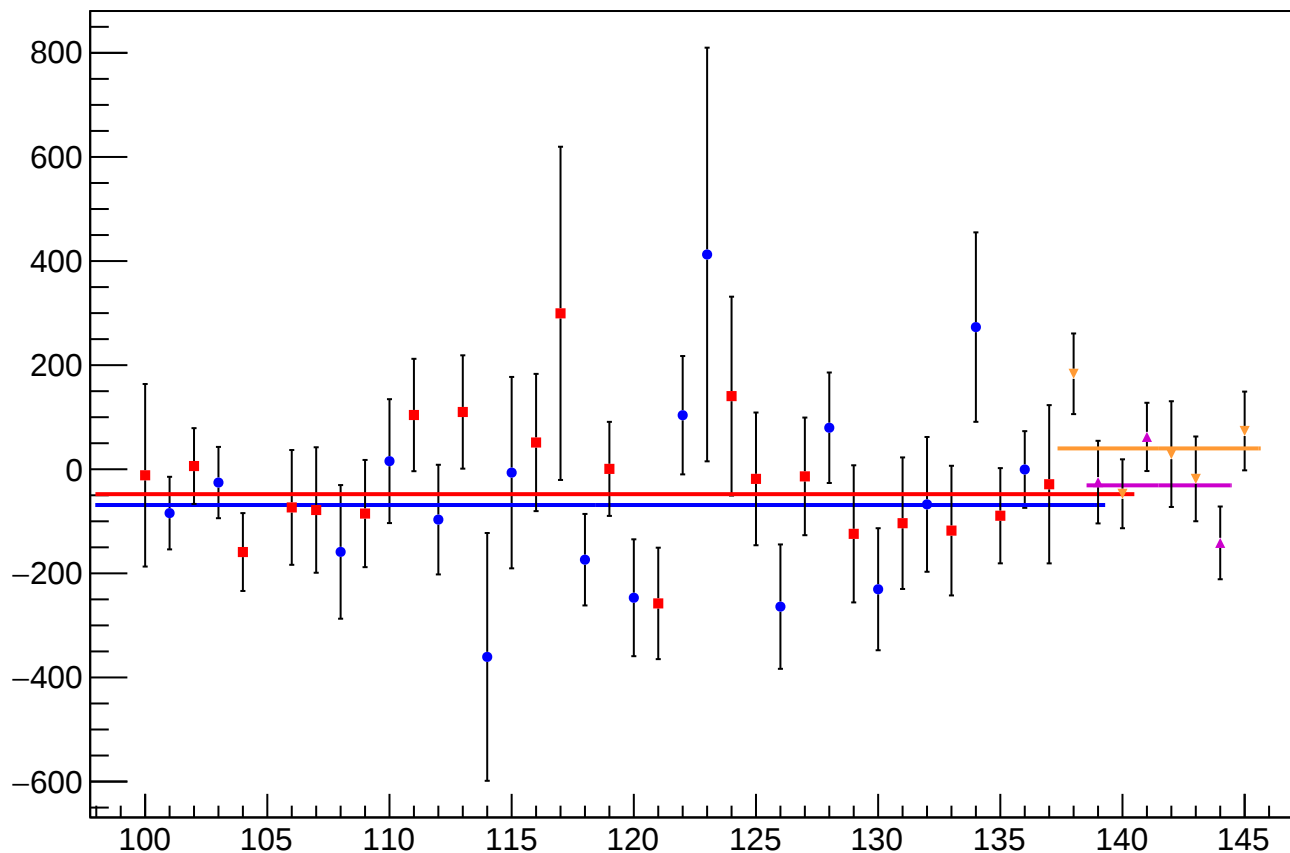
Left In: 988.623 $\pm$ 0.453 χ^2/NDF : 1909.7/2

952.945 $\pm$ 0.214 χ^2/NDF : 250654.5/21

956.181 $\pm$ 0.153 χ^2/NDF : 479340.4/44

959.630 $\pm$ 0.221 χ^2/NDF : 228212.1/22

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

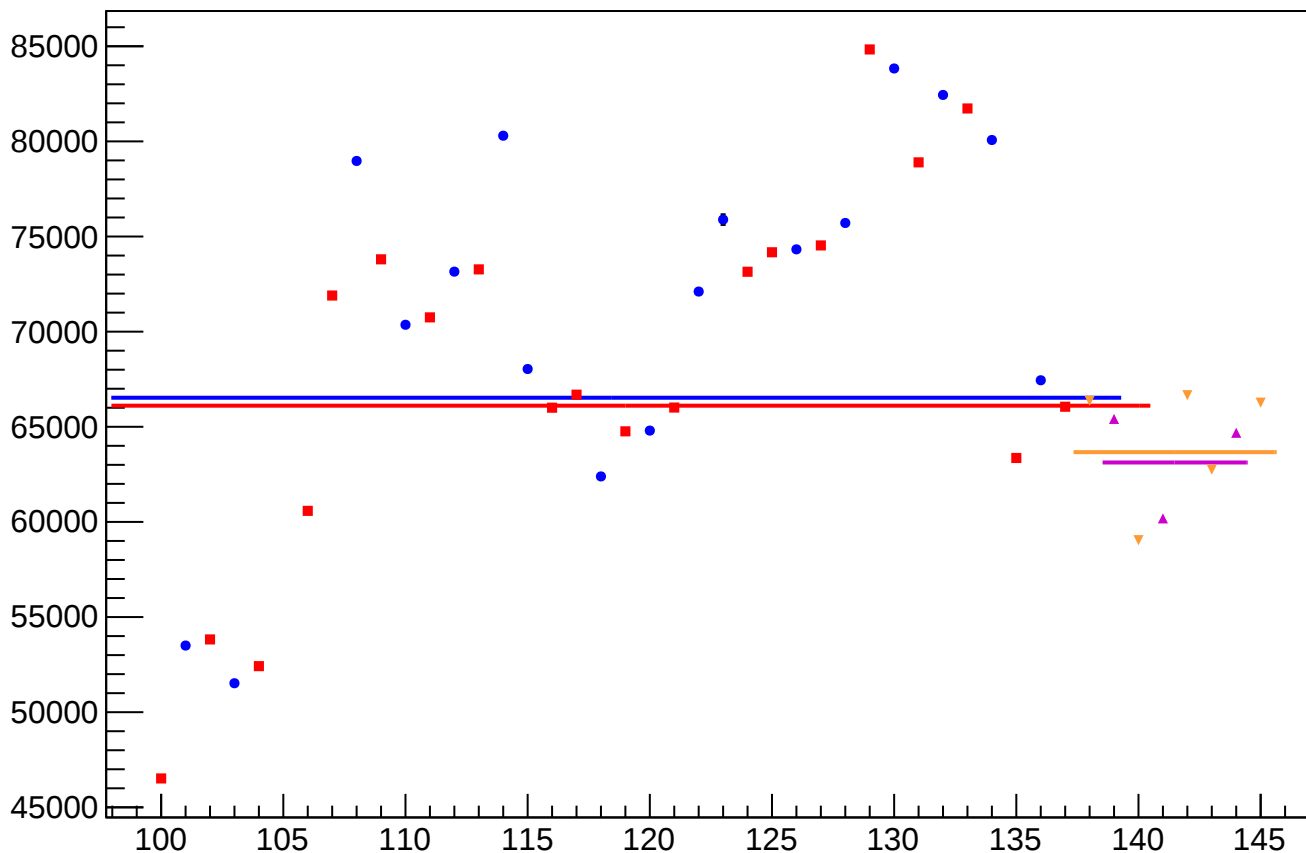
Left In: -30.919 $\pm$ 40.953 χ^2/NDF : 4.5/2

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

-36.536 $\pm$ 14.897 χ^2/NDF : 53.9/44

-43.258 $\pm$ 21.303 χ^2/NDF : 19.8/22

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

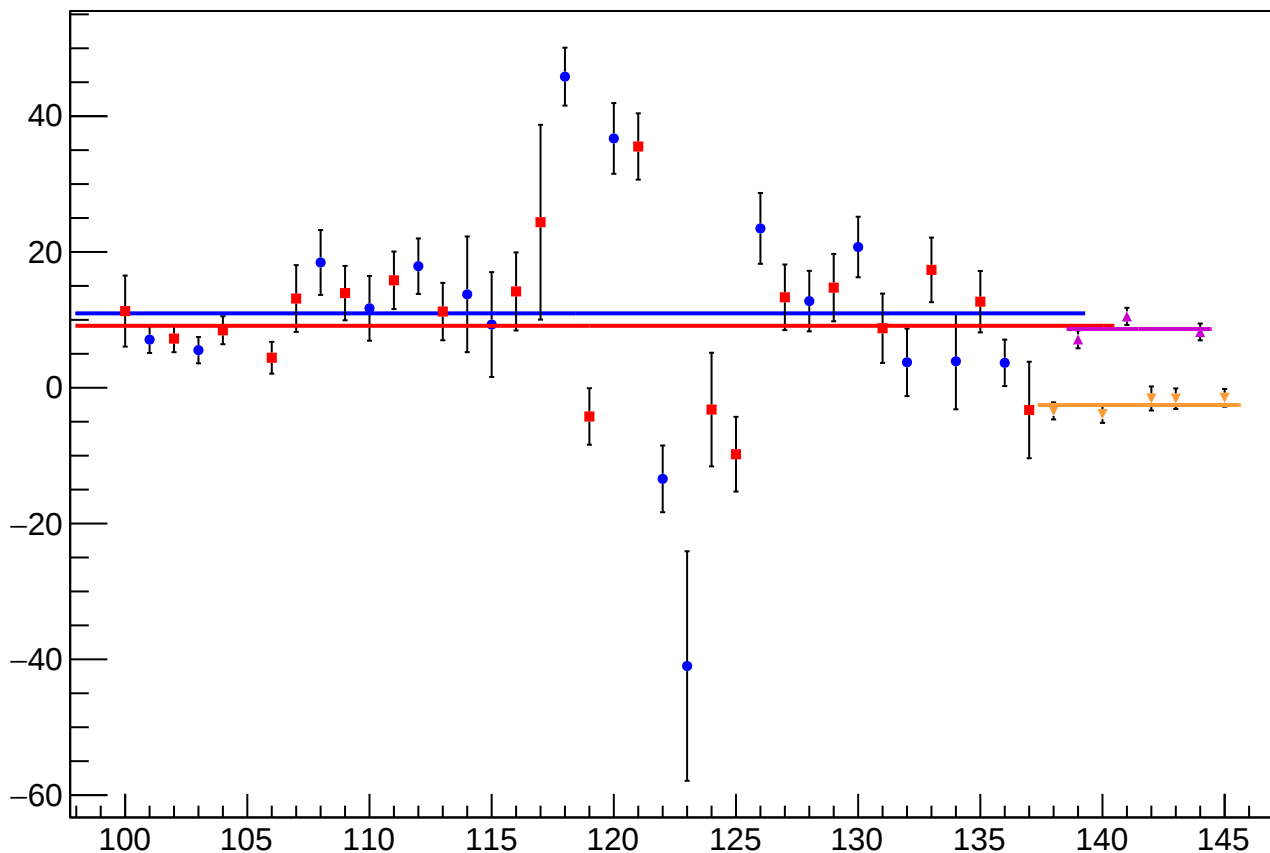
Left In: 63124.299+/-28.958 χ^2/NDF : 6681.9/2

65512.078+/-14.735 χ^2/NDF : 346059.5/21

65409.184+/-10.534 χ^2/NDF : 659083.6/4

65301.652+/-15.064 χ^2/NDF : 312924.5/22

diff_bpm0r03Y_mean vs Slug, Sign Corrected



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

Left Out: -2.537 $\pm$ 0.623 χ^2/NDF : 2.9/4

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

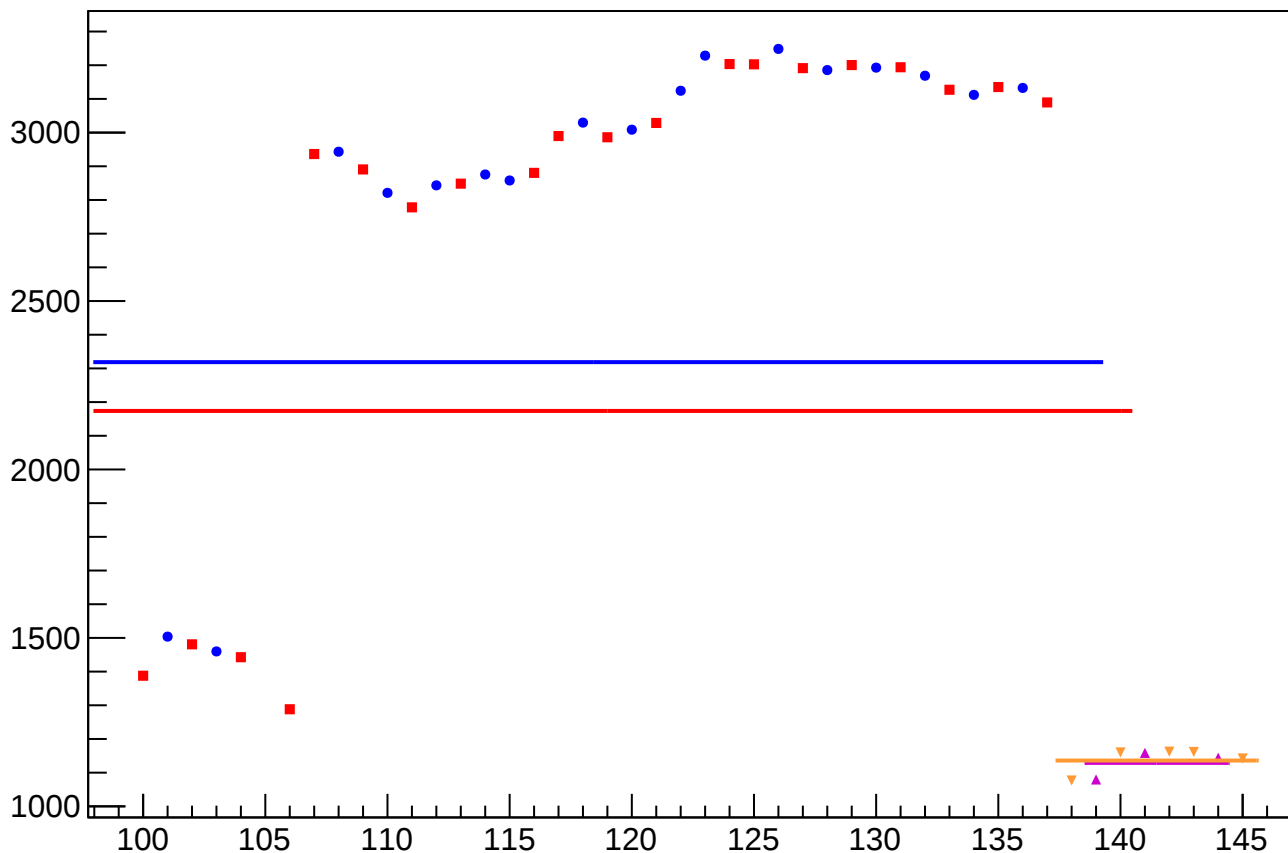
Left In: 8.650 $\pm$ 0.732 χ^2/NDF : 3.7/2

1.566 $\pm$ 0.520 χ^2/NDF : 306.3/21

4.948 $\pm$ 0.381 χ^2/NDF : 475.4/44

8.849 $\pm$ 0.559 χ^2/NDF : 78.1/22

diff_bpm0r03Y_rms vs Slug, Sign Corrected



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

Left Out: 1135.998 $\pm$ 0.441 χ^2 /NDF:6199.2/4

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

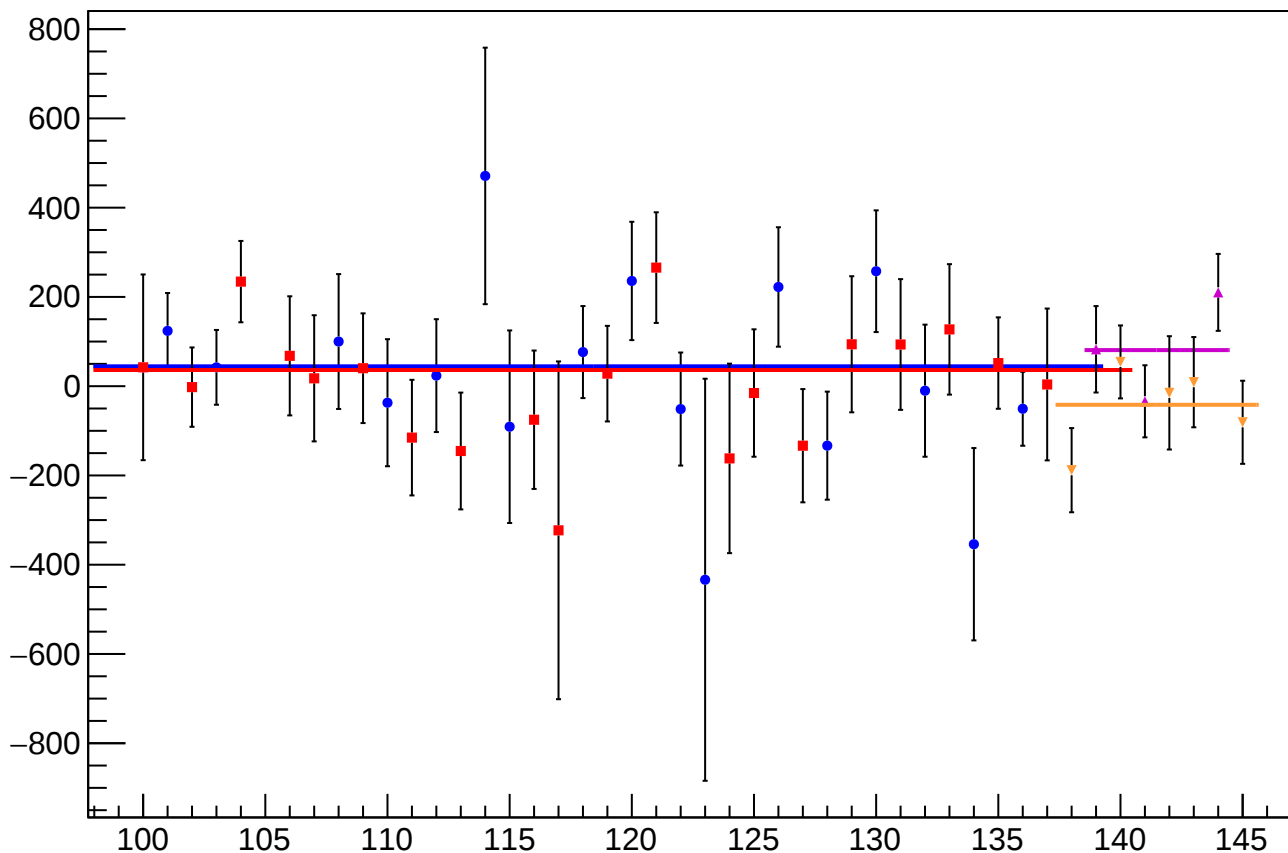
Left In: 1129.024 $\pm$ 0.518 χ^2 /NDF:4237.6/2

1495.573 $\pm$ 0.368 χ^2 /NDF: 3602825.4/21

1527.829 $\pm$ 0.269 χ^2 /NDF: 7084608.3/44

1565.048 $\pm$ 0.395 χ^2 /NDF: 3465212.7/22

diff_bpm0r05X_mean vs Slug, Sign Corrected



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

Left Out: -41.691+/-43.137 χ^2/NDF : 4.3/4

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

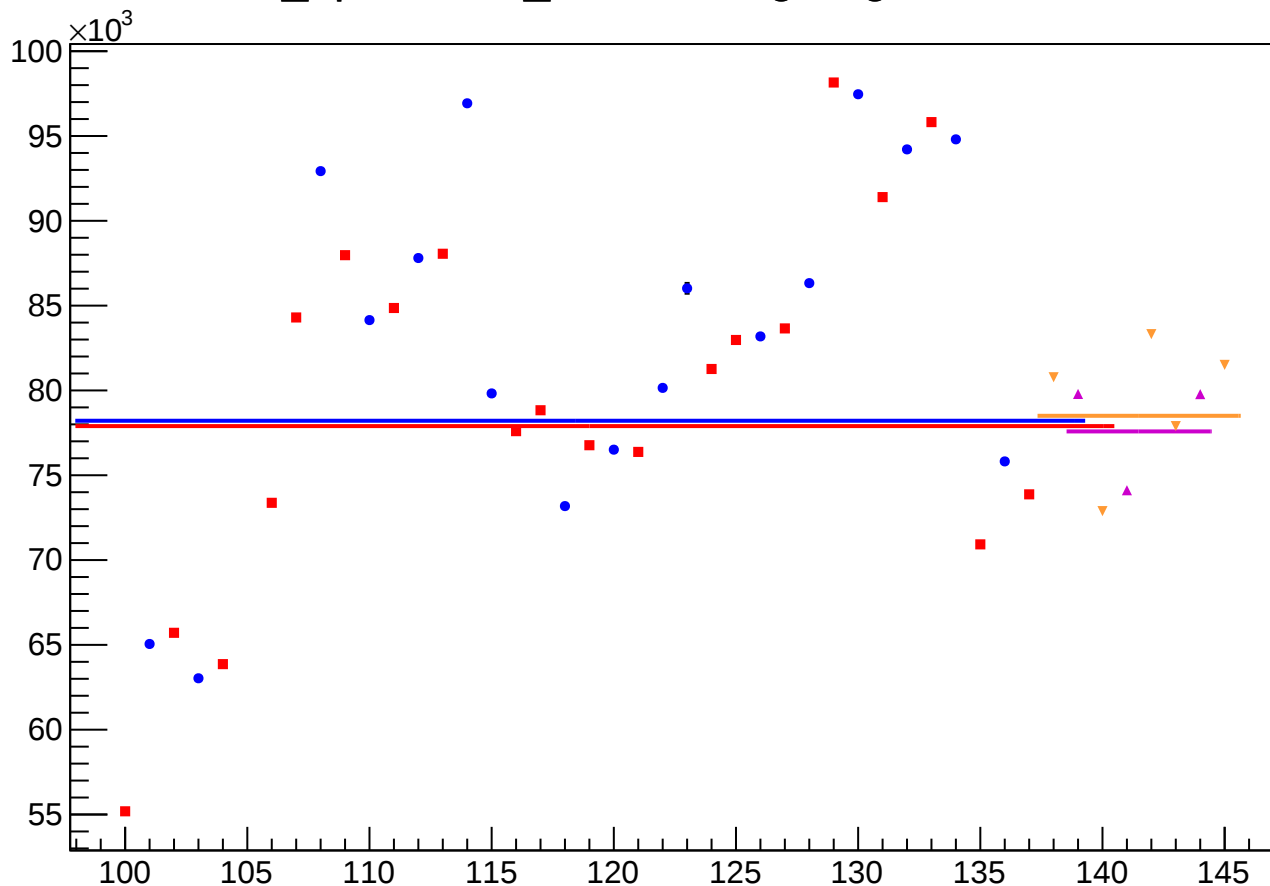
Left In: 80.858+/-50.342 χ^2/NDF : 4.3/2

15.848+/-24.867 χ^2/NDF : 26.0/21

31.399+/-17.753 χ^2/NDF : 48.3/44

47.565+/-25.353 χ^2/NDF : 21.5/22

diff_bpm0r05X_rms vs Slug, Sign Corrected



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

Left Out: 78504.879 $\pm$ 30.503 χ^2/NDF : 15642.0/4

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

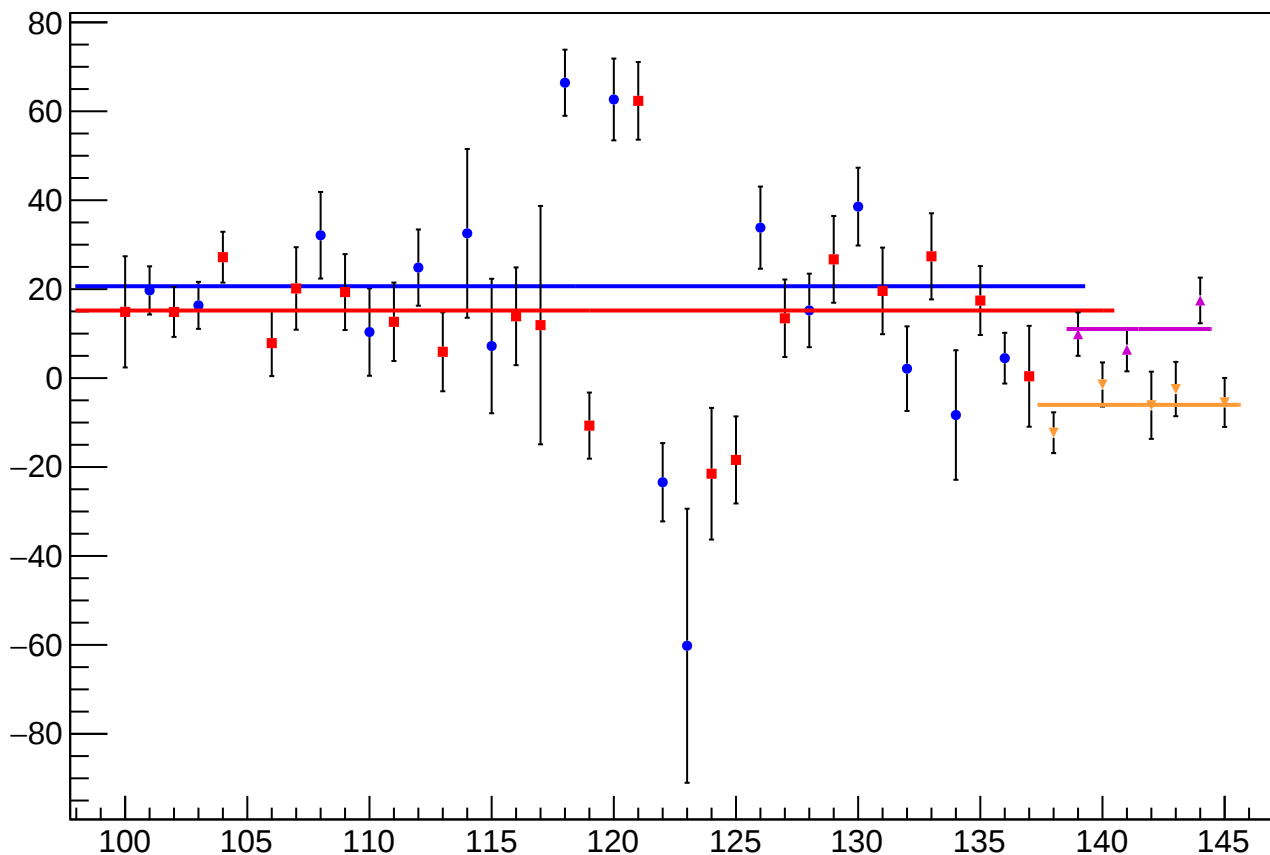
Left In: 77583.872 $\pm$ 35.597 χ^2/NDF : 6031.2/2

78310.008 $\pm$ 17.583 χ^2/NDF : 266759.8/21

78068.780 $\pm$ 12.553 χ^2/NDF : 520215.2/4

77818.024 $\pm$ 17.927 χ^2/NDF : 253071.6/22

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

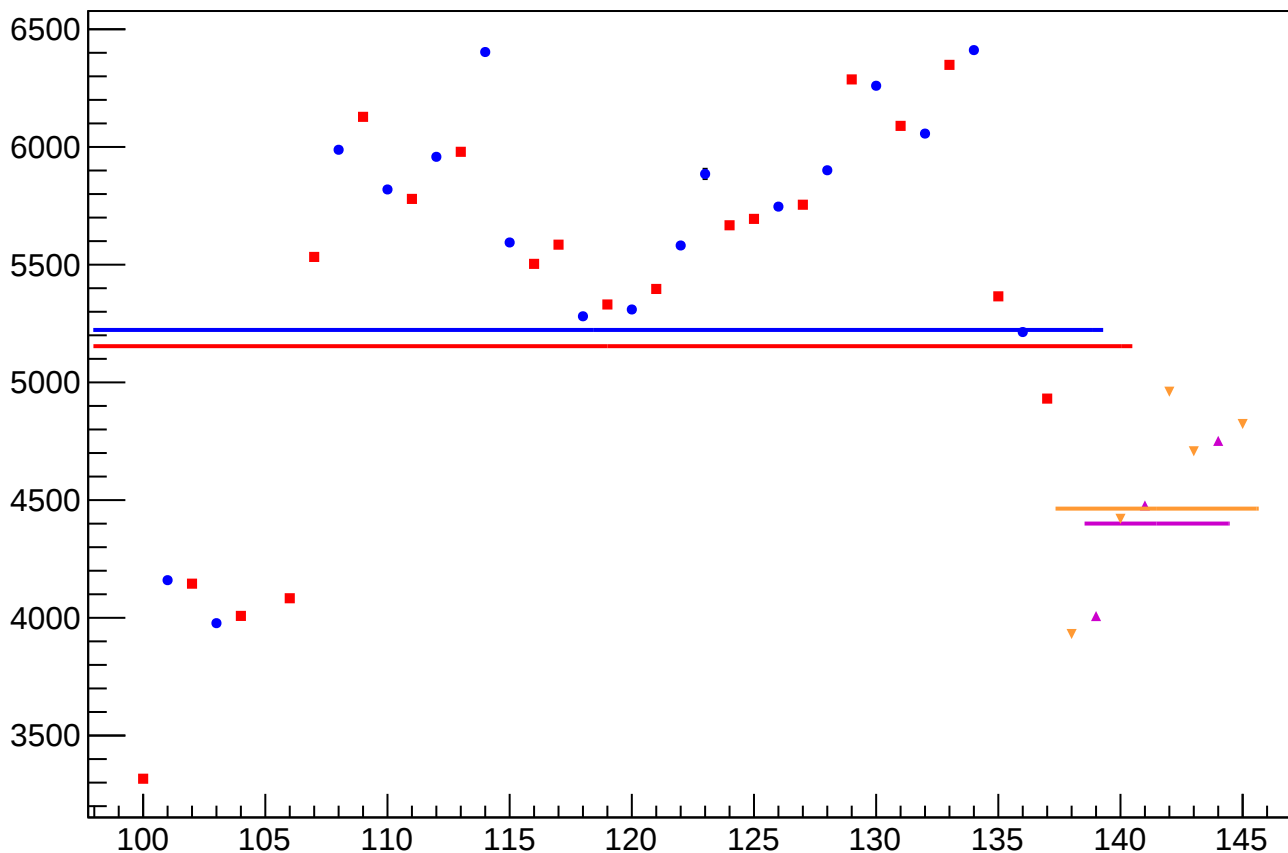
Left In: 11.037 $\pm$ 2.862 χ^2/NDF : 2.5/2

9.807 $\pm$ 1.568 χ^2/NDF : 190.6/21

11.788 $\pm$ 1.124 χ^2/NDF : 269.2/44

13.879 $\pm$ 1.611 χ^2/NDF : 75.3/22

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

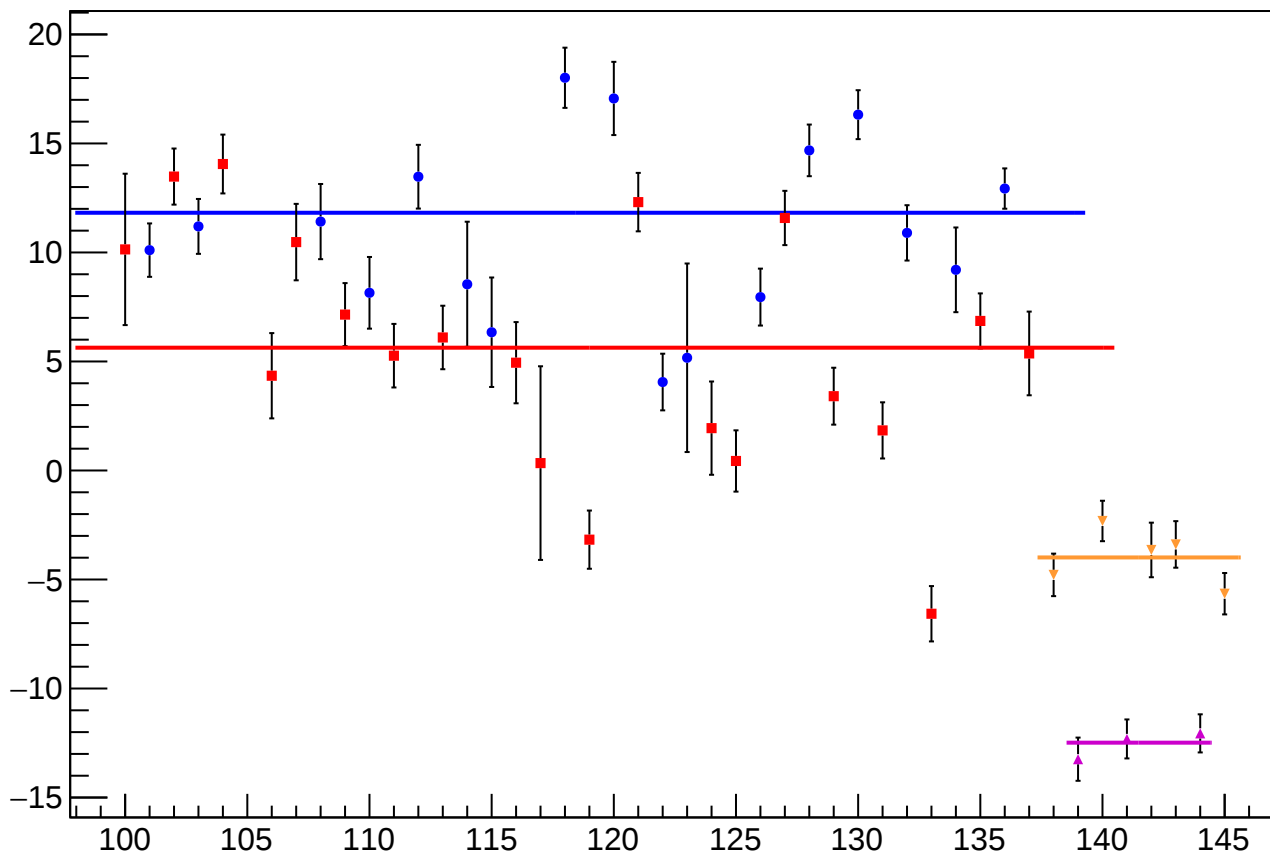
Left In: 4400.382 $\pm$ 2.023 χ^2 /NDF: 22874.9/2

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

4914.514 $\pm$ 0.795 χ^2 /NDF: 978753.3/44

4914.988 $\pm$ 1.139 χ^2 /NDF: 505774.6/22

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

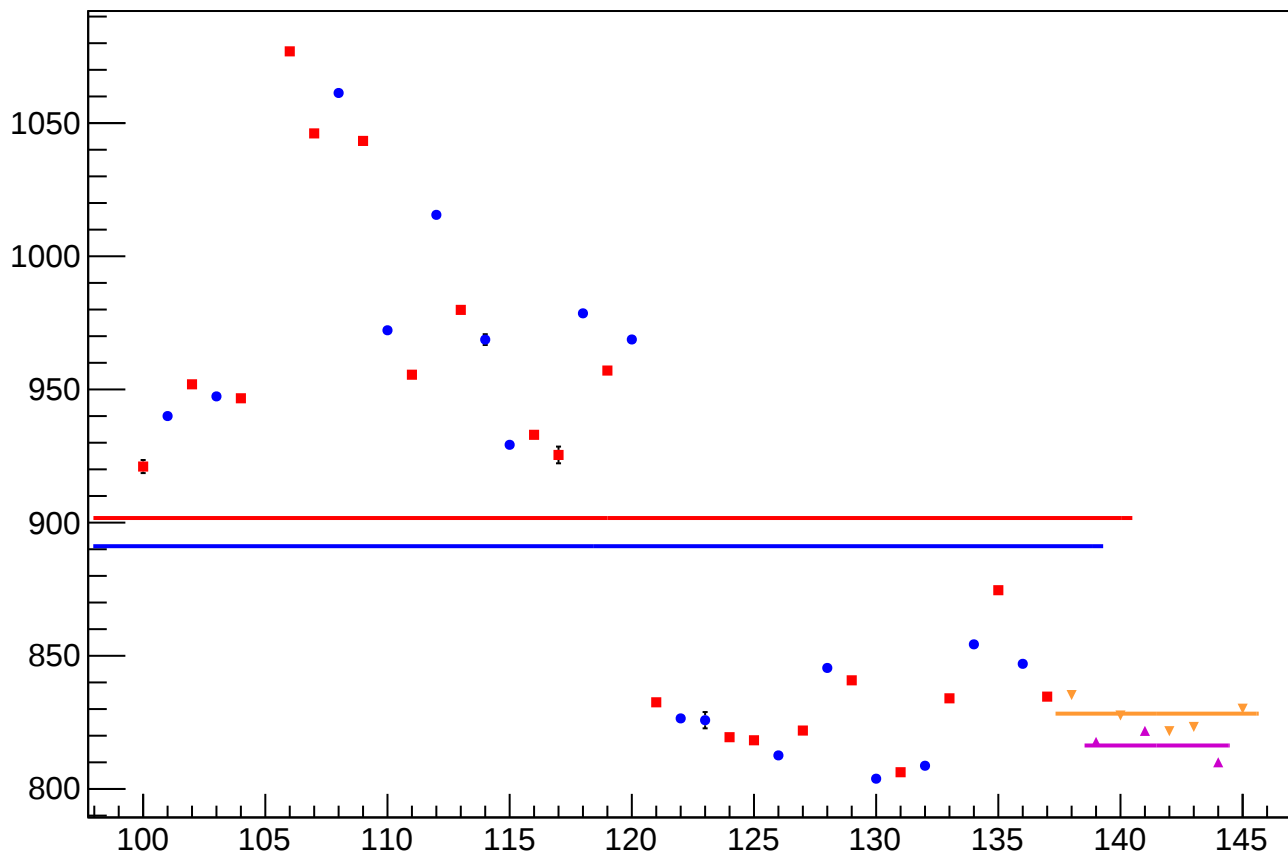
Left In: -12.484 $\pm$ 0.529 χ^2/NDF : 0.9/2

6.053 $\pm$ 0.275 χ^2/NDF : 892.8/21

3.321 $\pm$ 0.198 χ^2/NDF : 2234.8/44

0.387 $\pm$ 0.284 χ^2/NDF : 1136.6/22

diff_bpm2i01X_rms vs Slug, Sign Corrected



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

Left Out: 828.281 ± 0.321 χ^2/NDF : 210.4/4

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

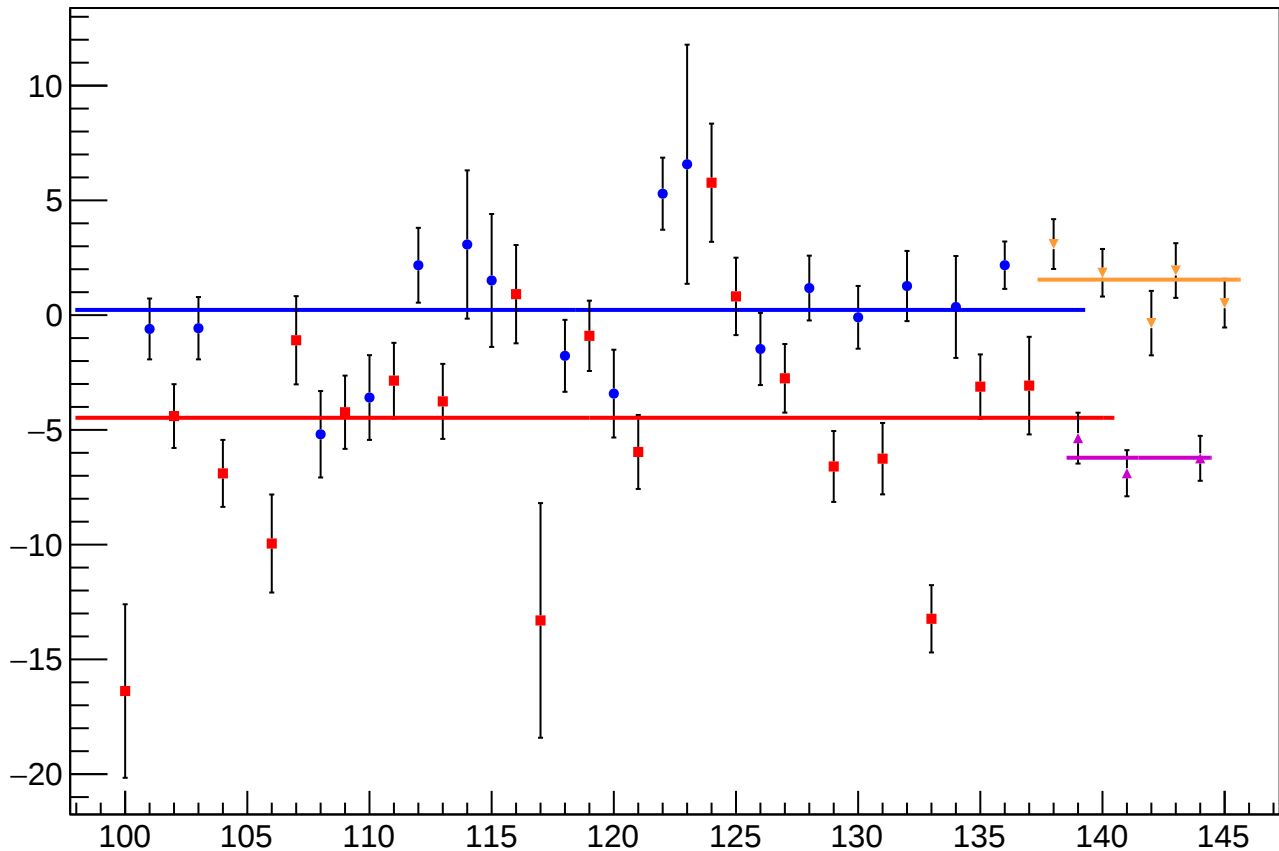
Left In: 816.324 ± 0.374 χ^2/NDF : 183.0/2

868.212 ± 0.194 χ^2/NDF : 126170.2/21

872.451 ± 0.140 χ^2/NDF : 279067.0/44

877.001 ± 0.201 χ^2/NDF : 151908.5/22

diff_bpm2i01Y_mean vs Slug, Sign Corrected



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

Left Out: 1.547 $\pm$ 0.508 χ^2/NDF : 5.0/4

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

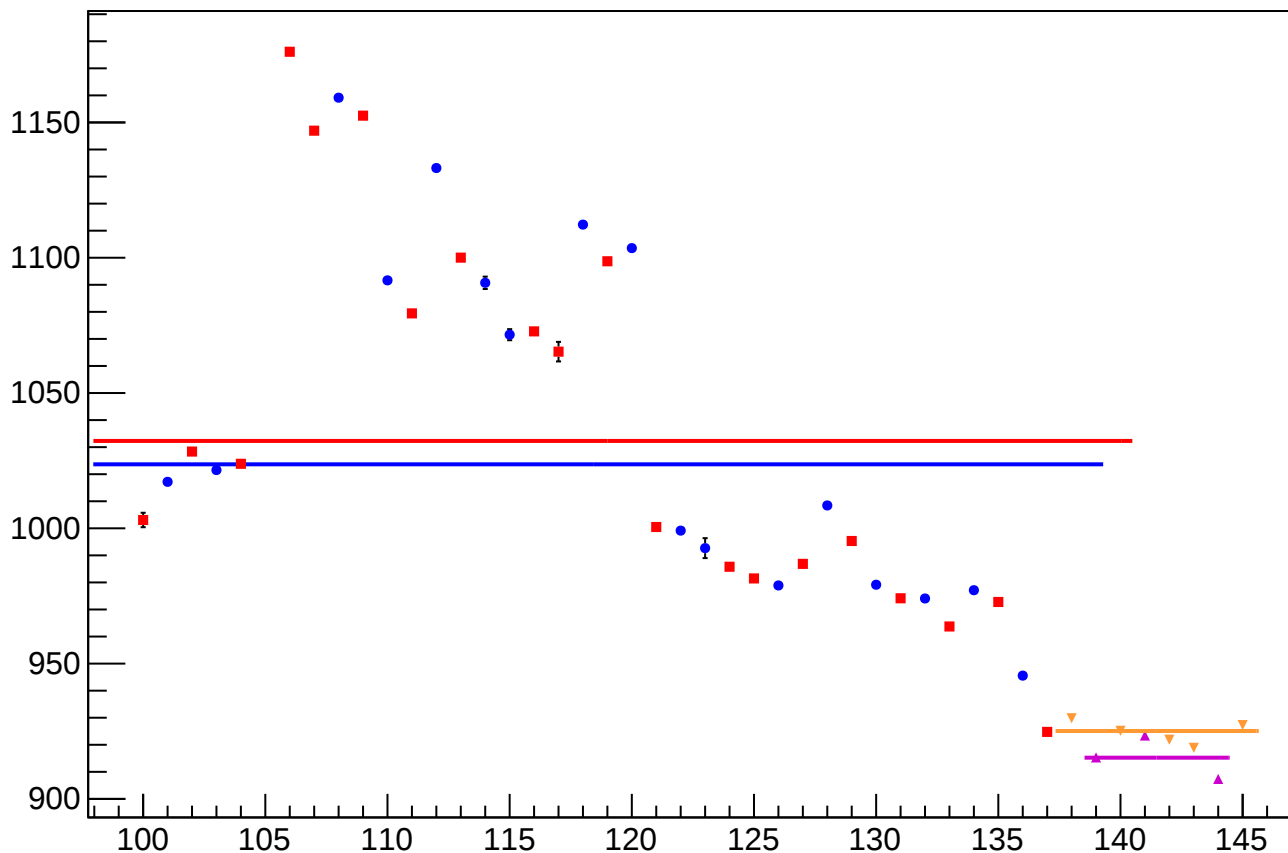
Left In: -6.214 $\pm$ 0.593 χ^2/NDF : 1.0/2

0.725 $\pm$ 0.312 χ^2/NDF : 47.7/21

-2.029 $\pm$ 0.224 χ^2/NDF : 323.2/44

-4.991 $\pm$ 0.323 χ^2/NDF : 113.4/22

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

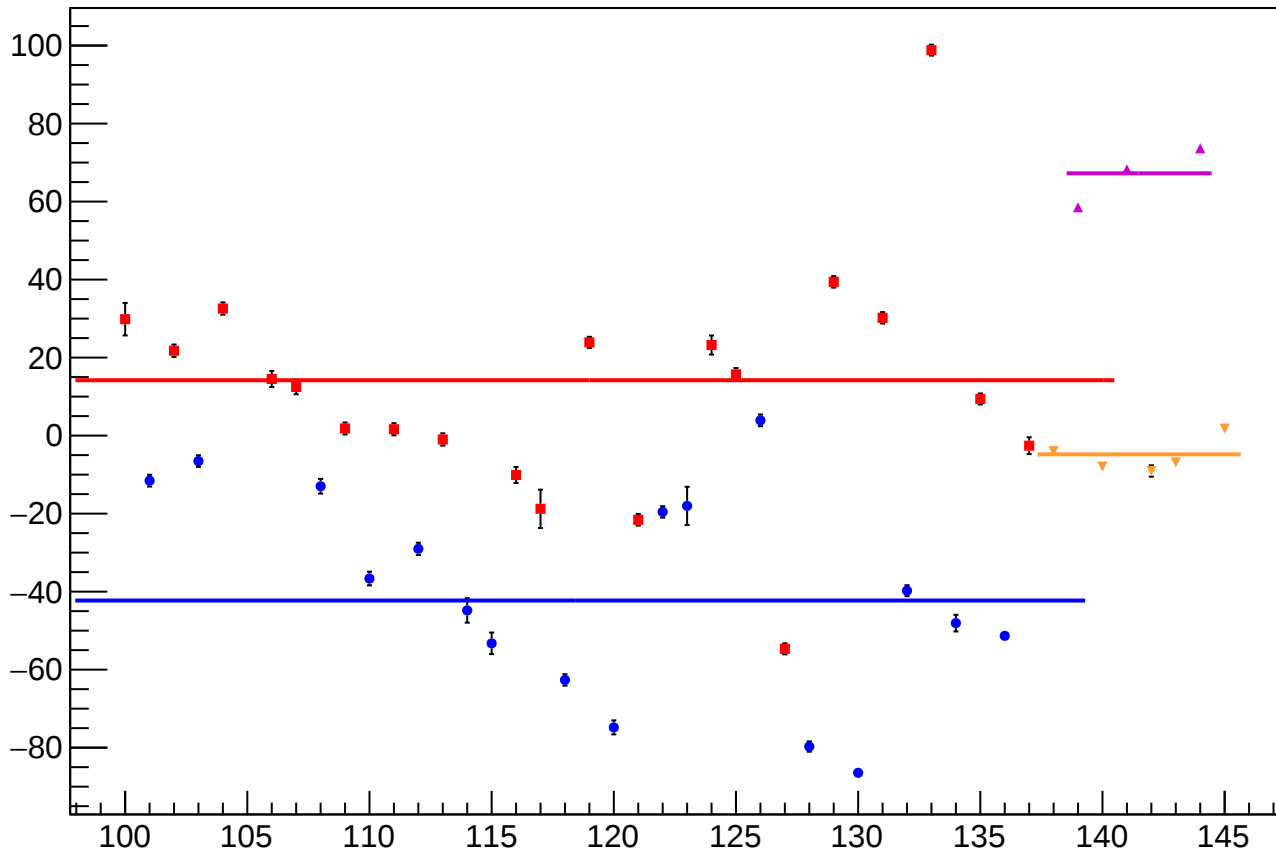
Left In: 915.231+/-0.419 χ^2/NDF :261.2/2

986.478+/-0.220 χ^2/NDF : 99458.1/21

991.784+/-0.159 χ^2/NDF : 215198.4/44

997.490+/-0.229 χ^2/NDF : 114537.7/22

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

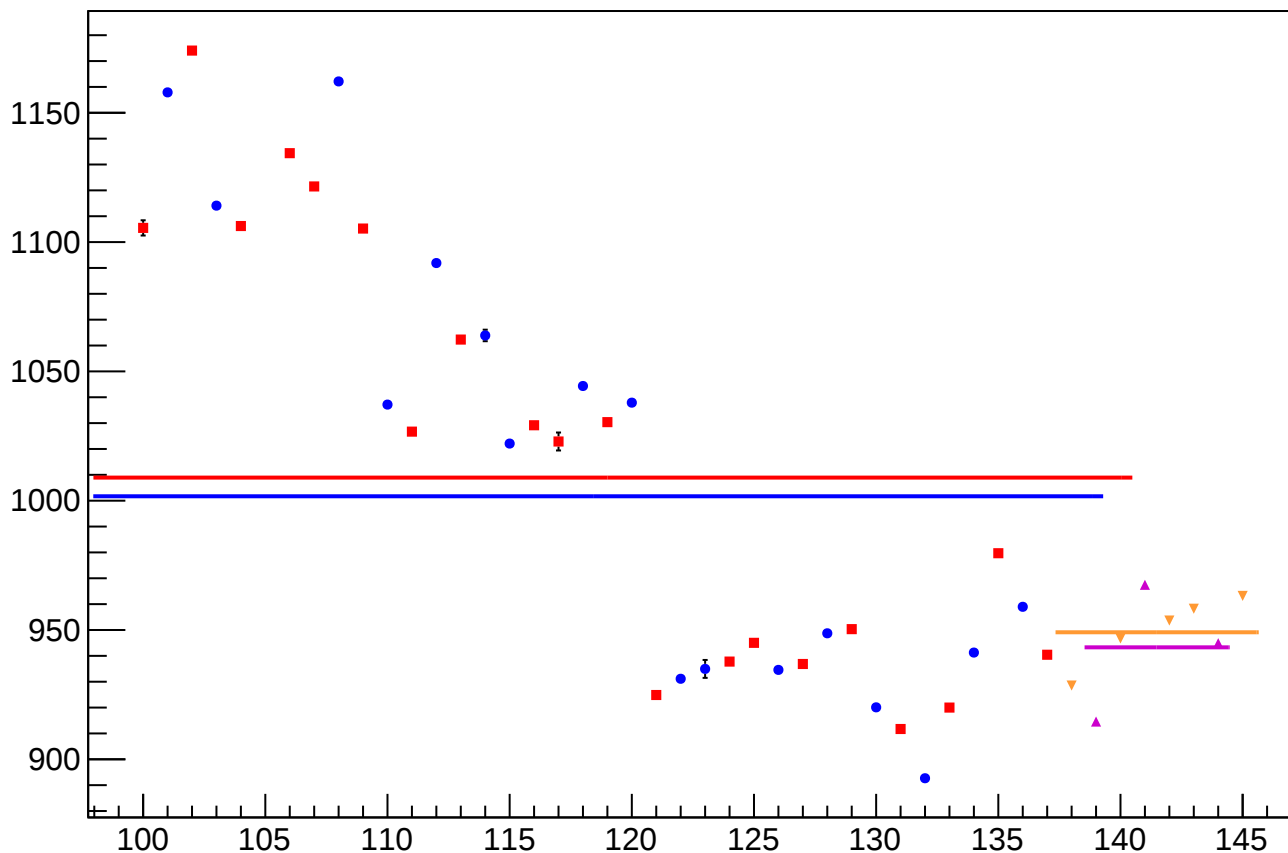
Left In: 67.250 ± 0.611 χ^2/NDF : 102.1/2

-28.933 ± 0.311 χ^2/NDF : 8521.1/21

-0.998 ± 0.223 χ^2/NDF : 38520.0/44

28.842 ± 0.321 χ^2/NDF : 13273.9/22

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

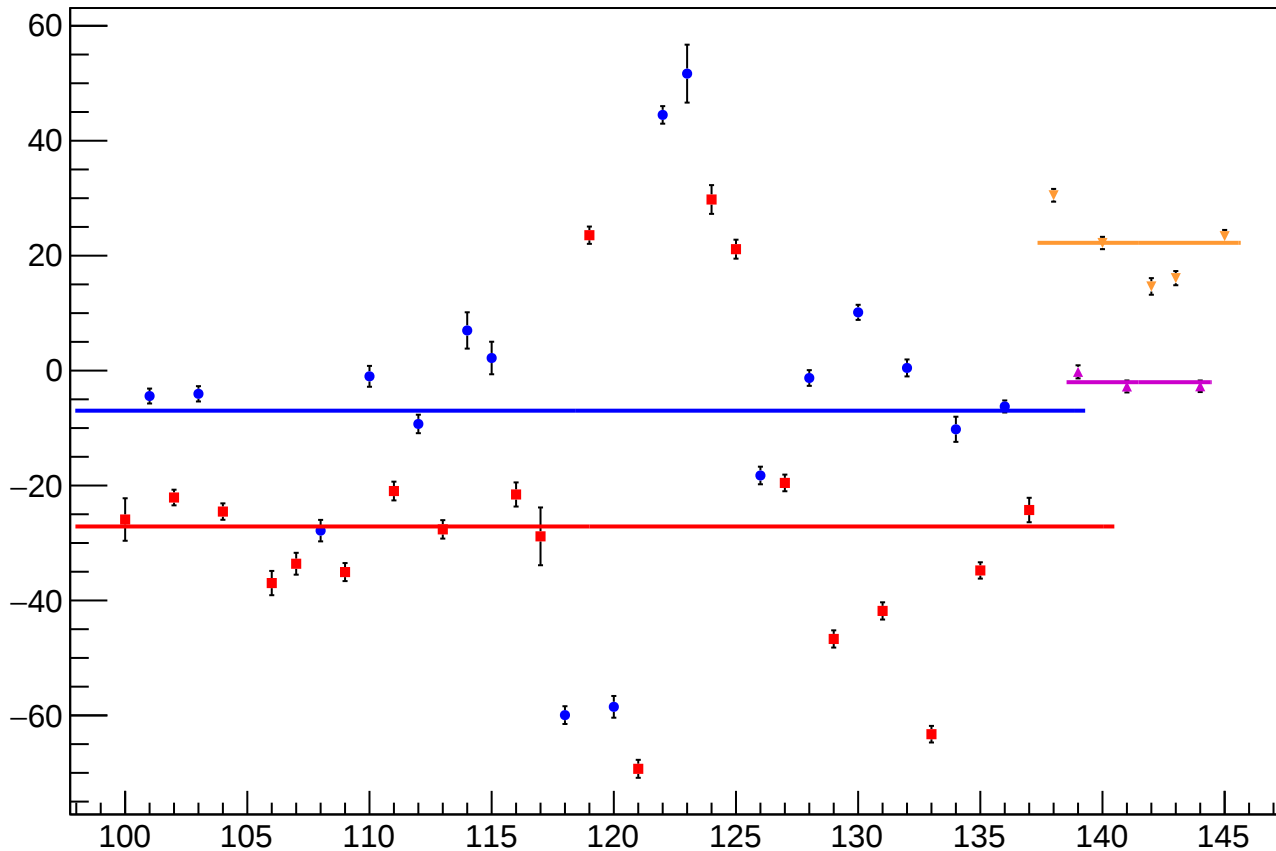
Left In: 943.293 $\pm$ 0.432 χ^2/NDF : 2401.4/2

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

986.766 $\pm$ 0.158 χ^2/NDF : 224898.2/44

990.812 $\pm$ 0.227 χ^2/NDF : 114472.7/22

diff_bpm2i02Y_mean vs Slug, Sign Corrected



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

Left Out: 22.236 ± 0.522 χ^2/NDF : 108.9/4

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

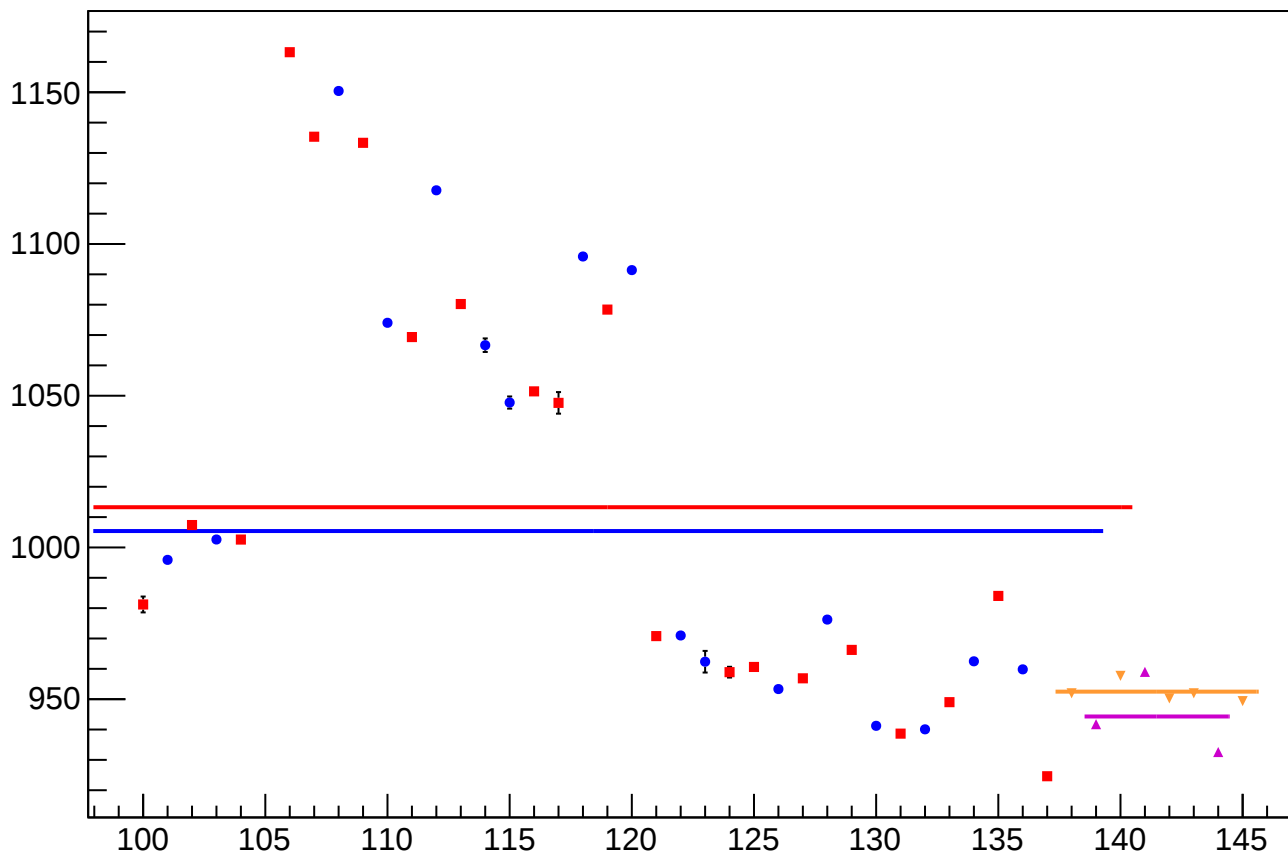
Left In: -2.018 ± 0.612 χ^2/NDF : 3.5/2

3.407 ± 0.311 χ^2/NDF : 5760.5/21

-7.996 ± 0.224 χ^2/NDF : 14037.4/44

-20.172 ± 0.322 χ^2/NDF : 5505.6/22

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

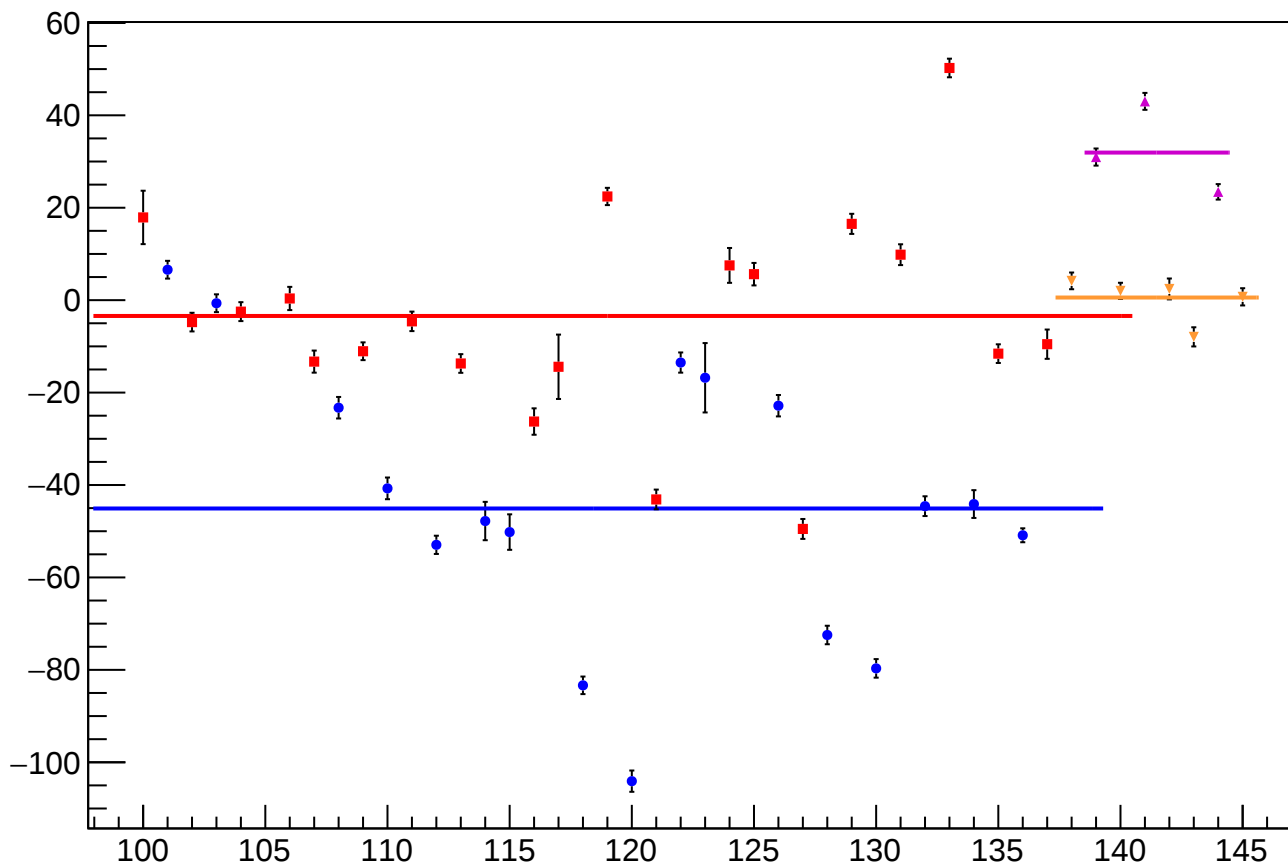
Left In: 944.298 $\pm$ 0.432 χ^2 /NDF: 677.8/2

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

990.258 $\pm$ 0.158 χ^2 /NDF: 150874.5/44

994.162 $\pm$ 0.228 χ^2 /NDF: 82422.1/22

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -45.081 ± 0.540 $\chi^2/\text{NDF}: 3238.1/16$

Left Out: 0.570 ± 0.861 $\chi^2/\text{NDF}: 22.2/4$

Right Out: -3.419 ± 0.520 $\chi^2/\text{NDF}: 2008.2/19$

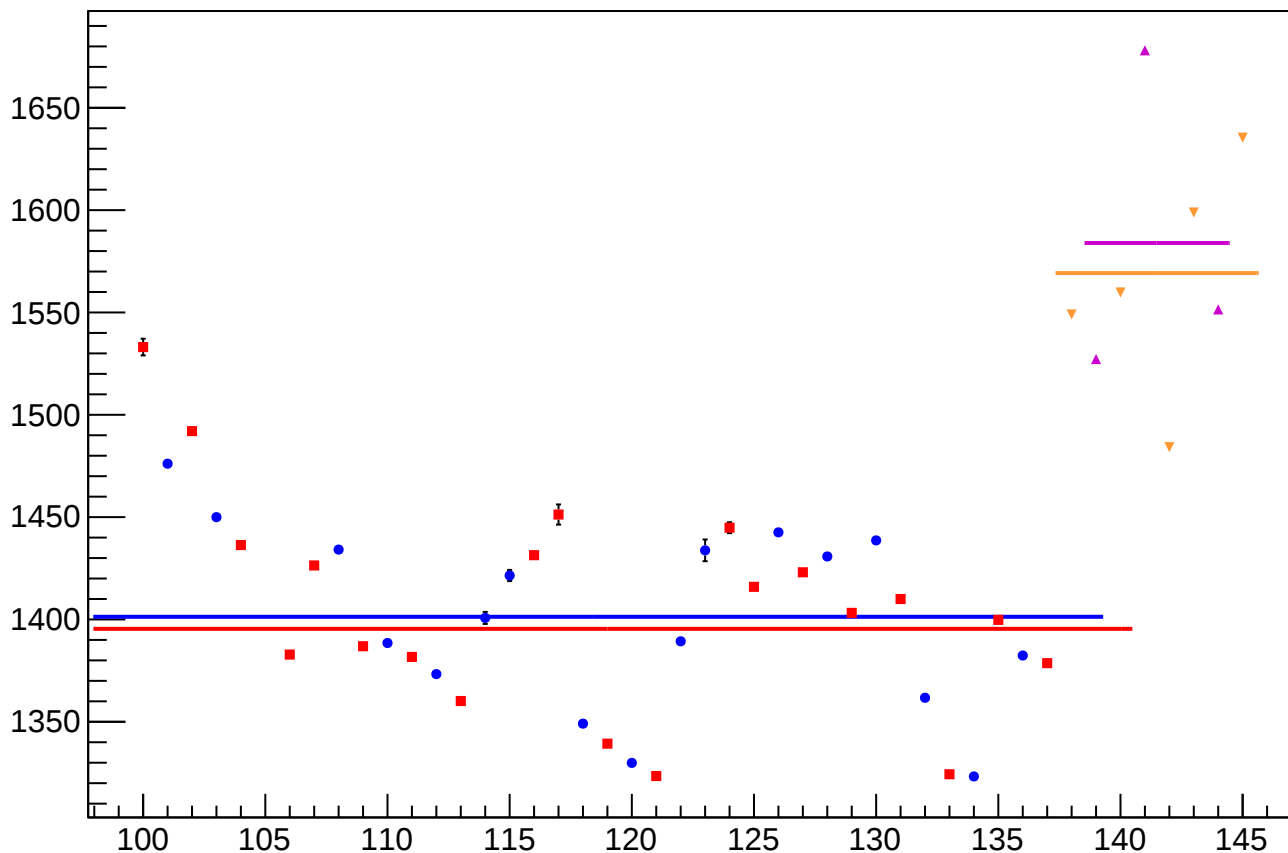
Left In: 31.935 ± 1.028 $\chi^2/\text{NDF}: 62.6/2$

-32.207 ± 0.457 $\chi^2/\text{NDF}: 5277.9/21$

-14.482 ± 0.326 $\chi^2/\text{NDF}: 11340.7/44$

3.788 ± 0.464 $\chi^2/\text{NDF}: 3011.9/22$

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

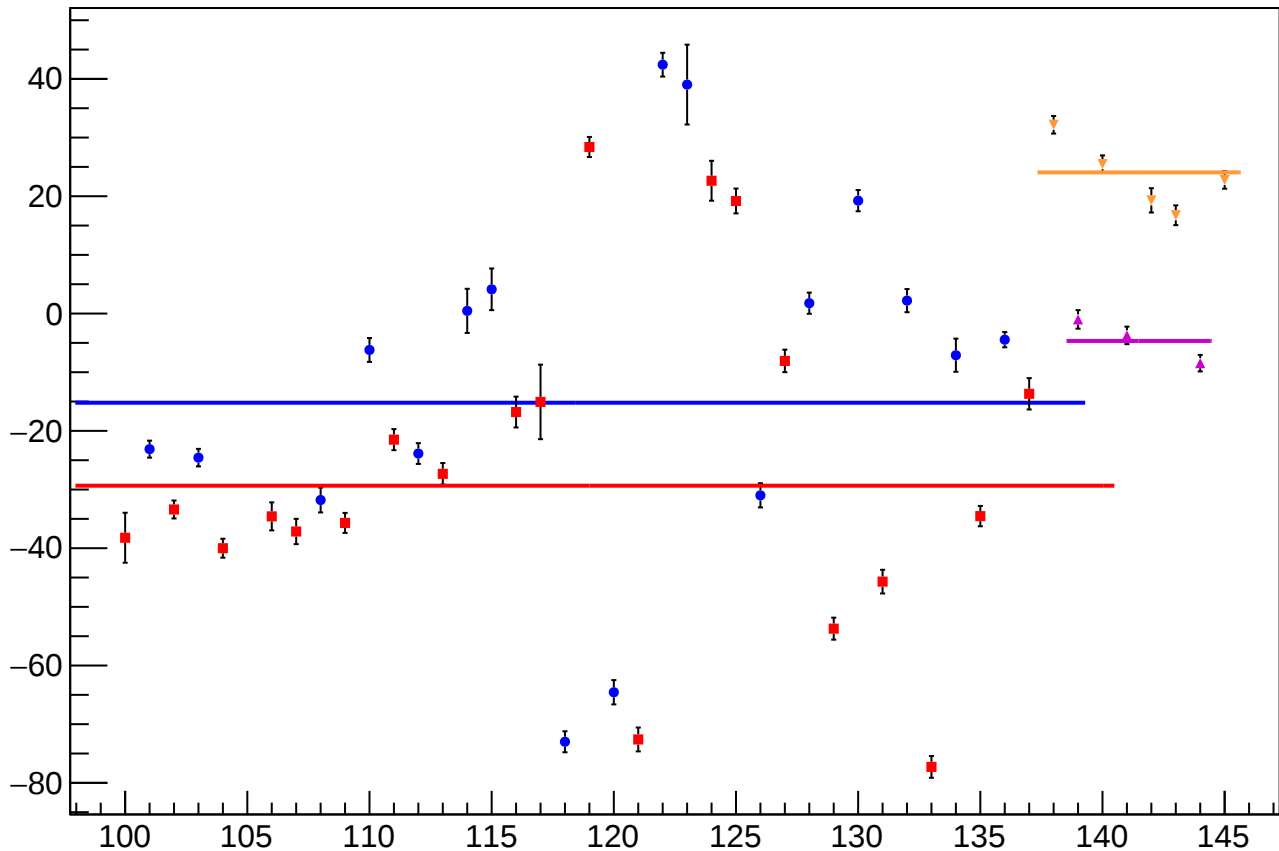
Left In: 1583.948 $\pm$ 0.727 χ^2/NDF : 7911.4/2

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

1441.373 $\pm$ 0.230 χ^2/NDF : 151648.6/44

1433.854 $\pm$ 0.328 χ^2/NDF : 77083.4/22

diff_bpm0i02Y_mean vs Slug, Sign Corrected



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

Left Out: 24.060 ± 0.719 χ^2/NDF : 55.0/4

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

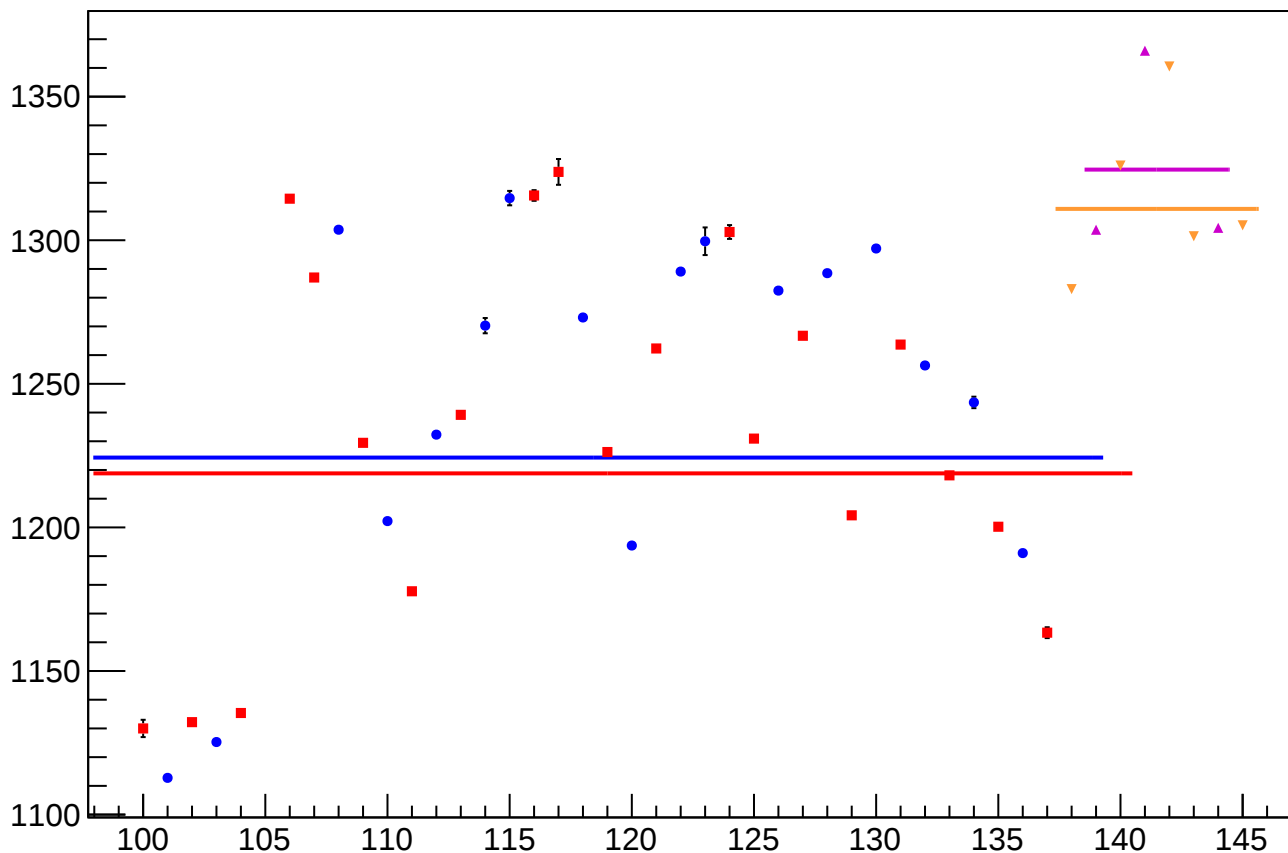
Left In: -4.675 ± 0.860 χ^2/NDF : 13.0/2

-3.377 ± 0.395 χ^2/NDF : 5500.4/21

-13.469 ± 0.282 χ^2/NDF : 11039.0/44

-23.949 ± 0.402 χ^2/NDF : 4205.7/22

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1224.320+/-0.334 χ^2/NDF : 38778.2/16

Left Out: 1310.919+/-0.509 χ^2/NDF : 2139.3/4

Right Out: 1218.817+/-0.322 χ^2/NDF : 28121.5/19

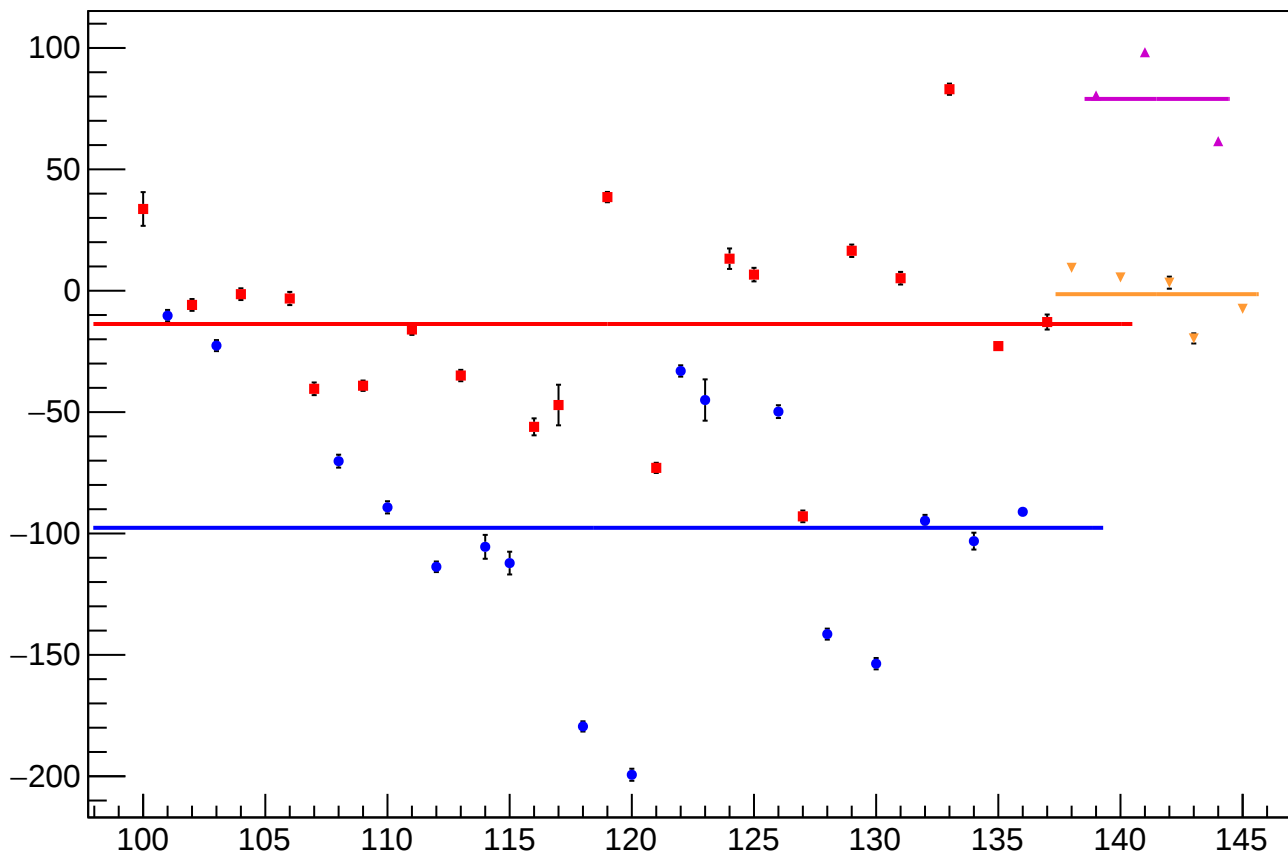
Left In: 1324.597+/-0.608 χ^2/NDF : 2302.1/2

1250.401+/-0.279 χ^2/NDF : 61183.7/21

1246.255+/-0.199 χ^2/NDF : 115693.5/44

1241.949+/-0.284 χ^2/NDF : 54059.8/22

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.657+/-0.601 $\chi^2/\text{NDF}: 7936.6/16$

Left Out: -1.420+/-0.890 $\chi^2/\text{NDF}: 138.1/4$

Right Out: -13.698+/-0.578 $\chi^2/\text{NDF}: 5144.2/19$

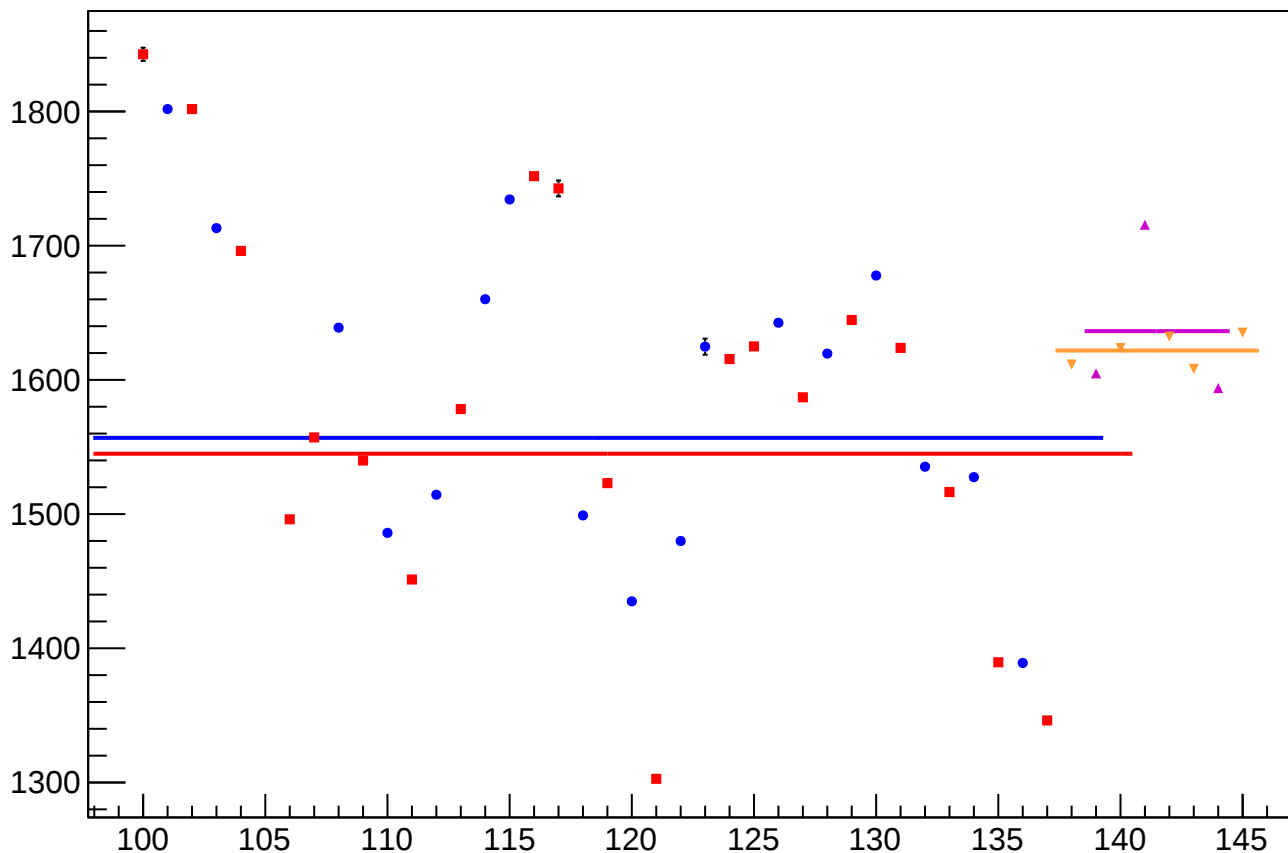
Left In: 79.016+/-1.062 $\chi^2/\text{NDF}: 208.0/2$

-67.472+/-0.498 $\chi^2/\text{NDF}: 16108.7/21$

-30.707+/-0.356 $\chi^2/\text{NDF}: 38442.0/44$

7.480+/-0.508 $\chi^2/\text{NDF}: 11229.8/22$

diff_bpm0i02aX_rms vs Slug, Sign Corrected



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

Left Out: 1621.848 $\pm$ 0.629 χ^2 /NDF: 286.3/4

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

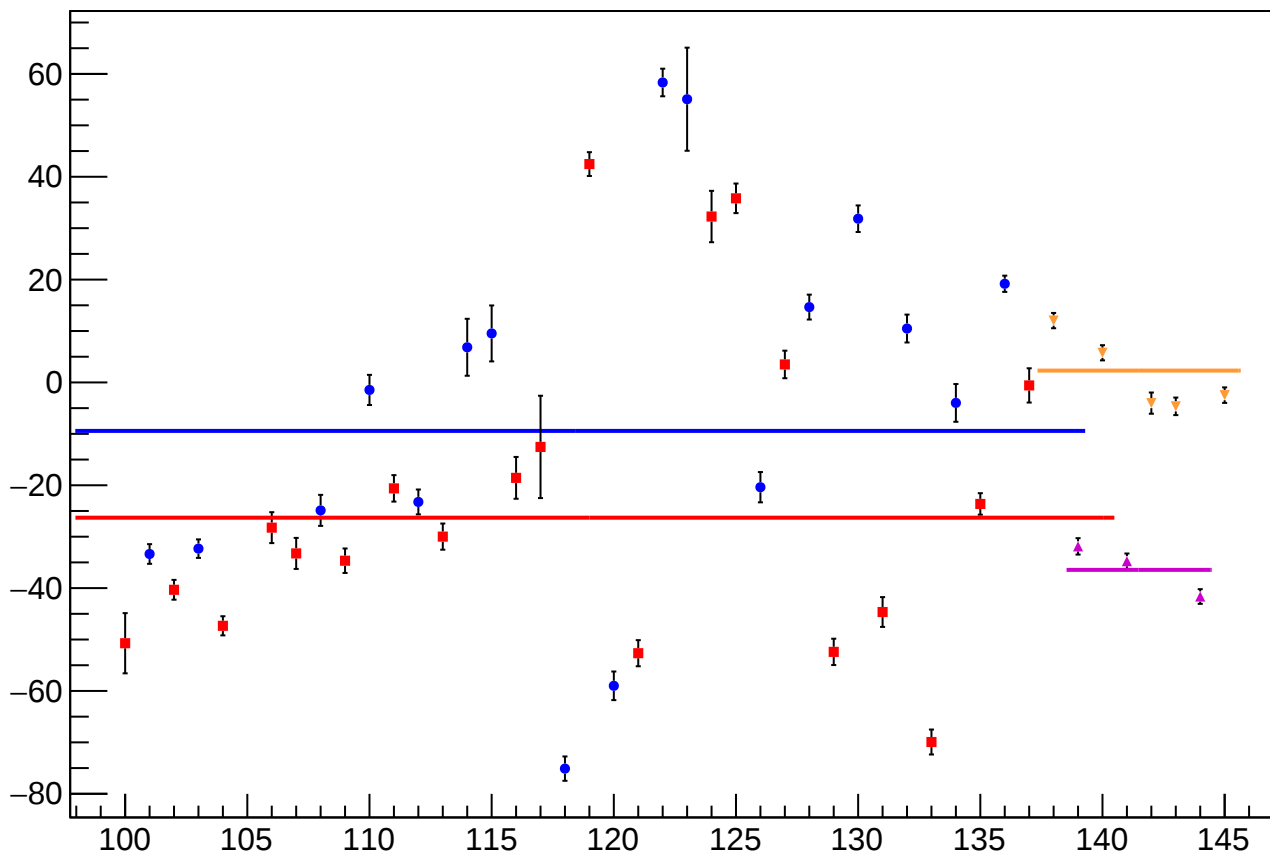
Left In: 1636.326 $\pm$ 0.751 χ^2 /NDF: 5318.3/2

1577.202 $\pm$ 0.352 χ^2 /NDF: 89176.4/21

1571.632 $\pm$ 0.251 χ^2 /NDF: 208039.0/44

1565.847 $\pm$ 0.359 χ^2 /NDF: 118352.9/22

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 $\chi^2/\text{NDF}: 2474.0/19$

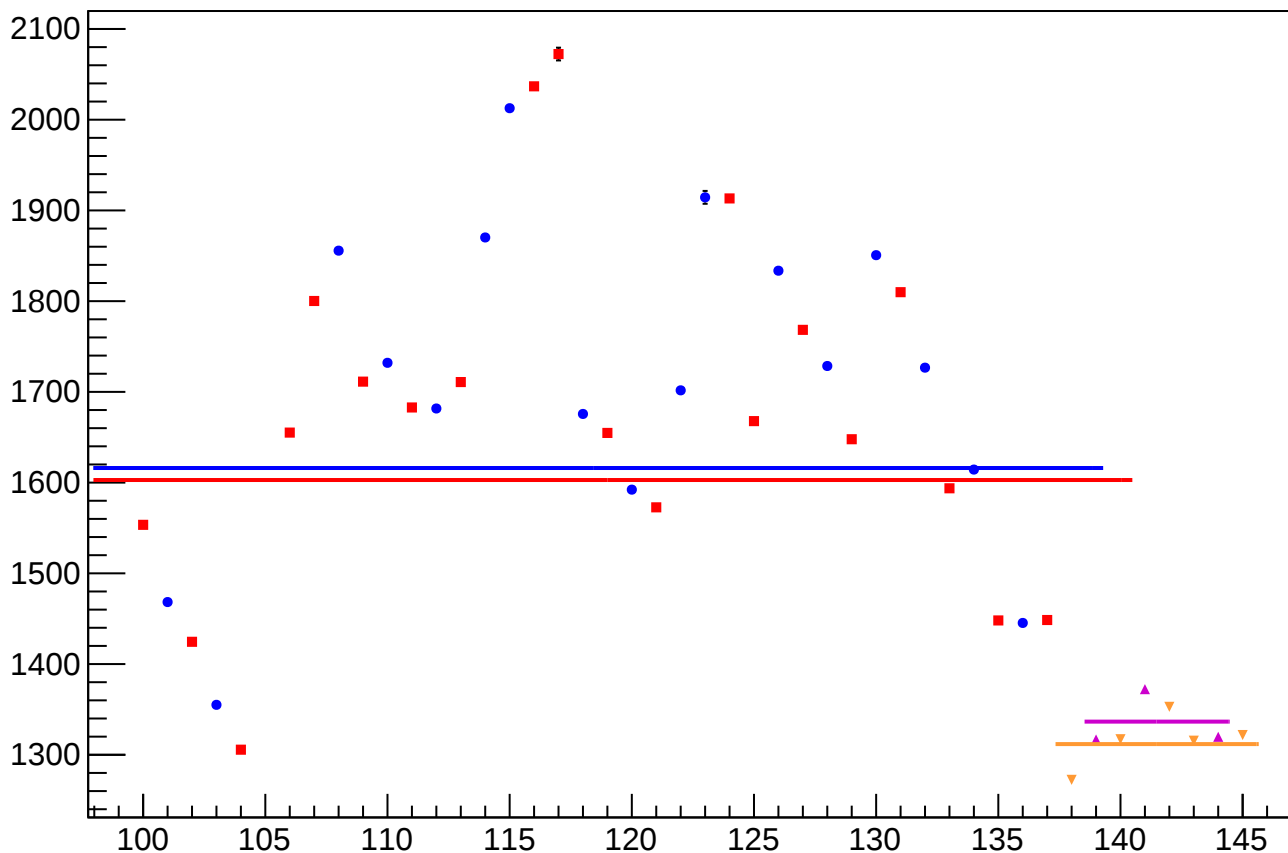
Left In: -36.453 ± 0.868 $\chi^2/\text{NDF}: 22.6/2$

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

-16.417 ± 0.342 $\chi^2/\text{NDF}: 7109.0/44$

-29.600 ± 0.494 $\chi^2/\text{NDF}: 2589.0/22$

diff_bpm0i02aY_rms vs Slug, Sign Corrected



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

Left Out: 1311.793 $\pm$ 0.509 χ^2/NDF : 2319.7/4

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

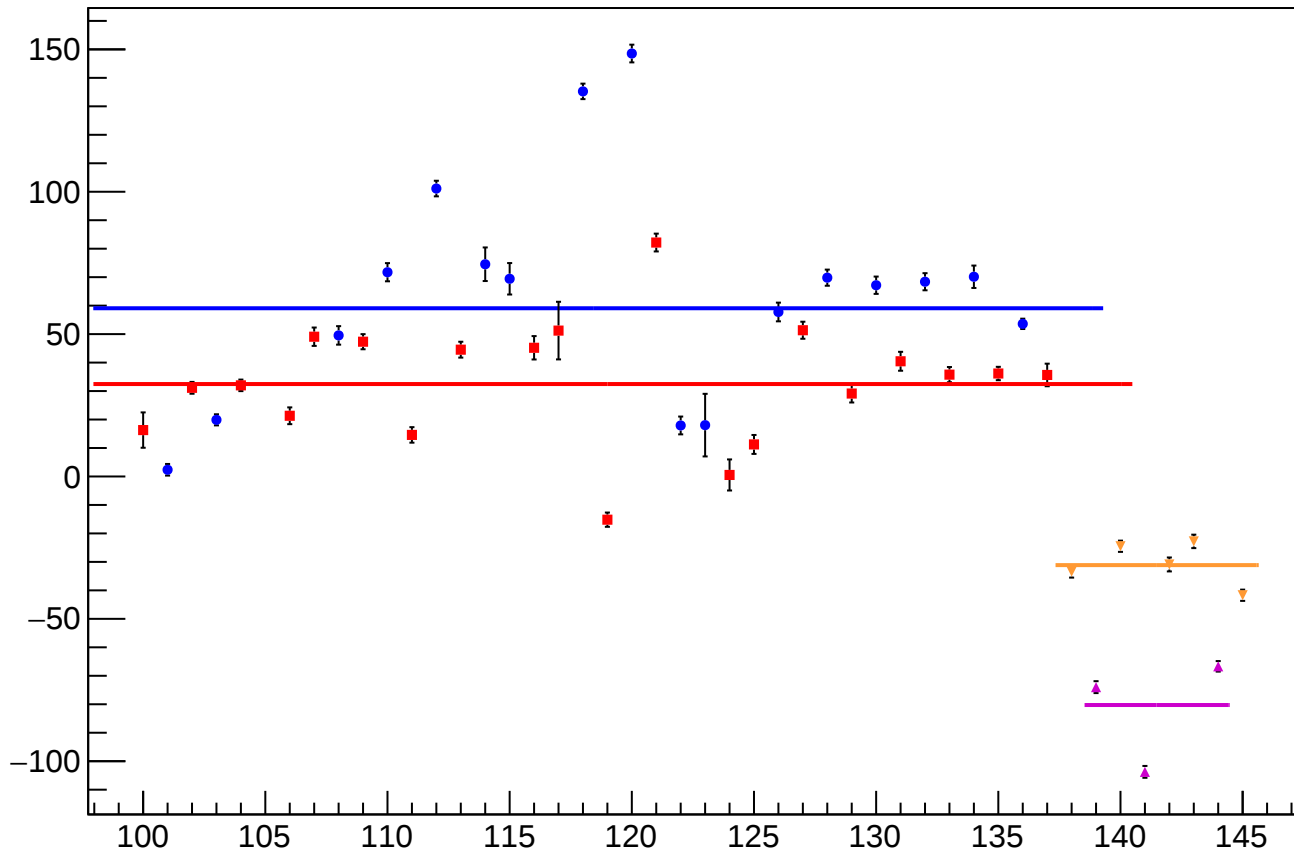
Left In: 1336.557 $\pm$ 0.613 χ^2/NDF : 1719.2/2

1484.980 $\pm$ 0.334 χ^2/NDF : 355245.5/21

1499.966 $\pm$ 0.242 χ^2/NDF : 646535.2/44

1516.367 $\pm$ 0.350 χ^2/NDF : 287077.9/22

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 59.081 $\pm$ 0.699 χ^2/NDF : 3293.6/16

Left Out: -31.130 $\pm$ 0.960 χ^2/NDF : 53.6/4

Right Out: 32.463 $\pm$ 0.665 χ^2/NDF : 894.9/19

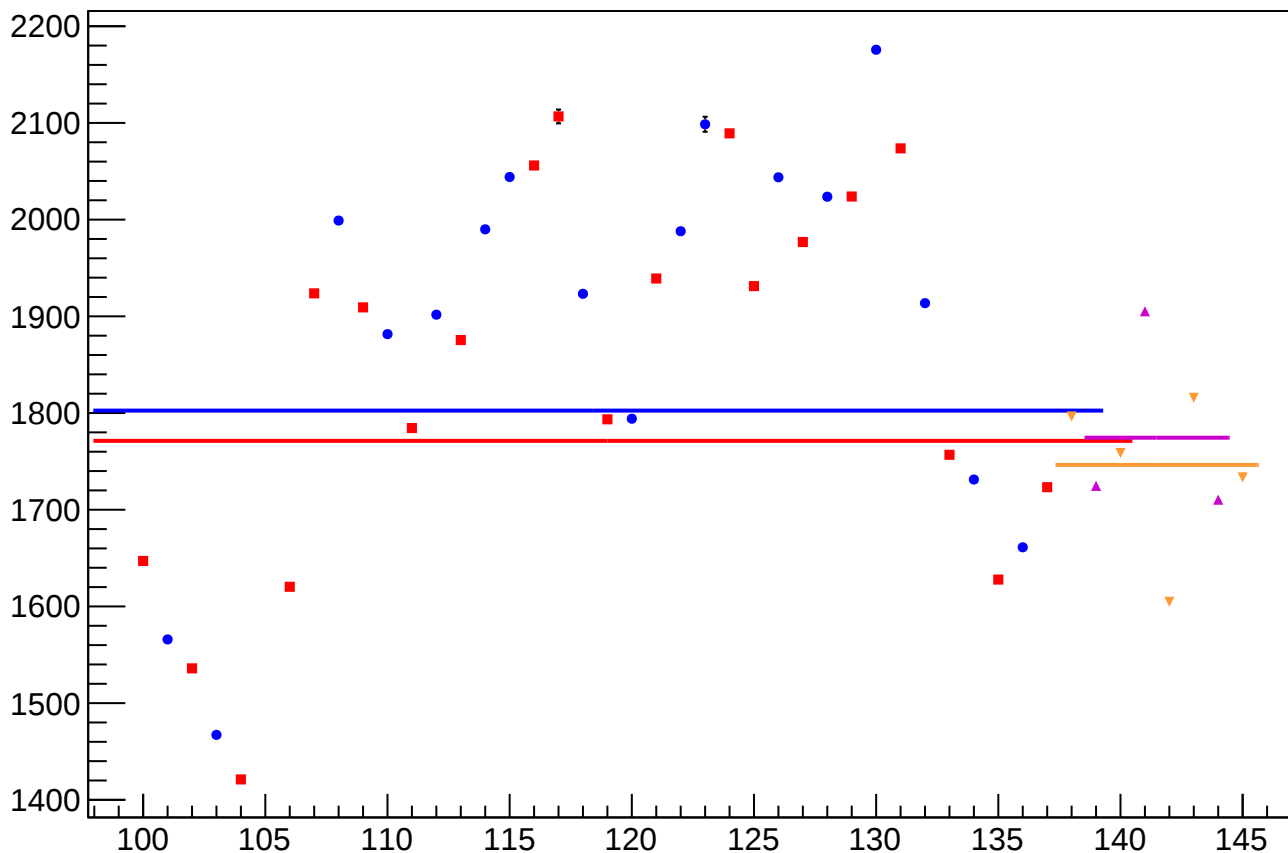
Left In: -80.267 $\pm$ 1.154 χ^2/NDF : 190.1/2

27.785 $\pm$ 0.565 χ^2/NDF : 9117.8/21

16.290 $\pm$ 0.403 χ^2/NDF : 18212.8/44

4.346 $\pm$ 0.576 χ^2/NDF : 8251.7/22

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

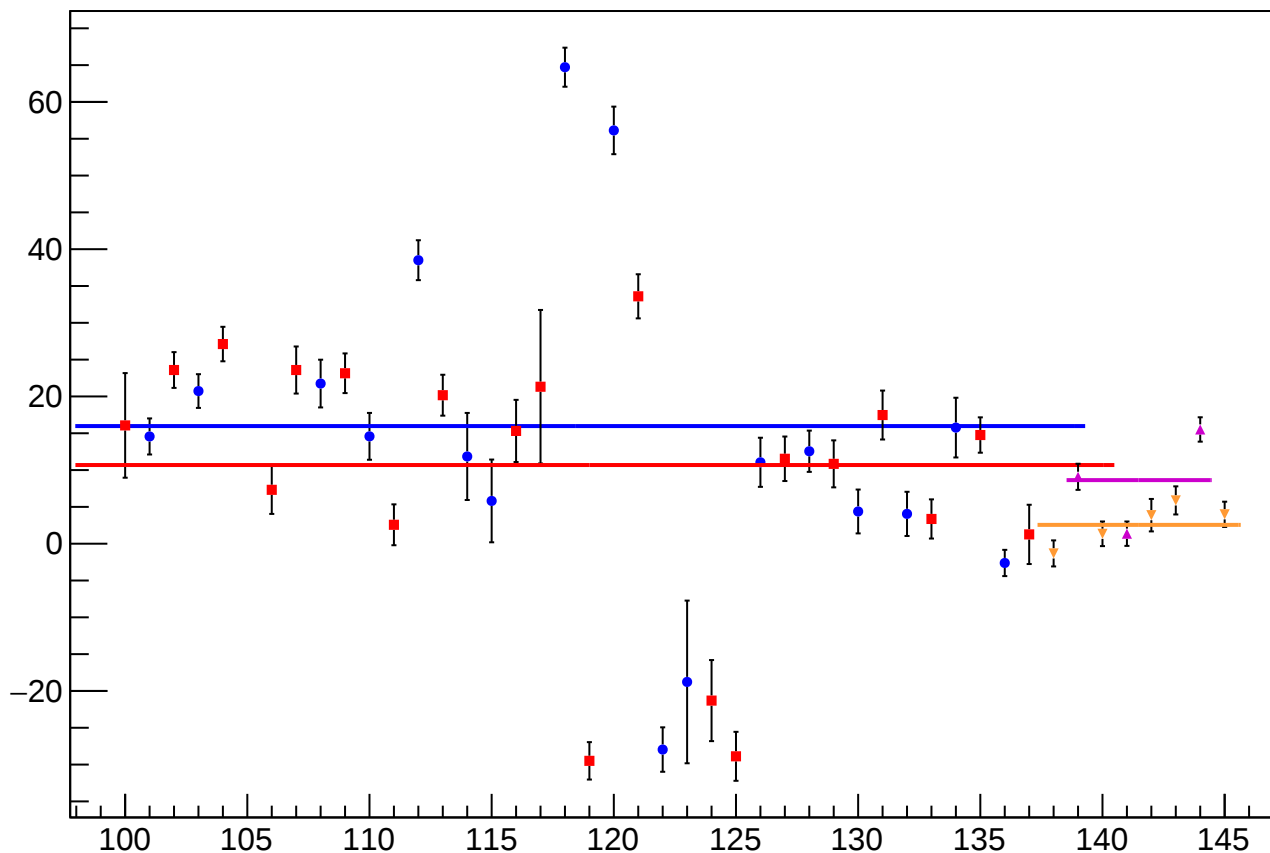
Left In: 1774.490 $\pm$ 0.816 χ^2/NDF : 11415.4/2

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

1777.646 $\pm$ 0.285 χ^2/NDF : 390157.7/44

1772.042 $\pm$ 0.407 χ^2/NDF : 191529.0/22

diff_bpm0i05Y_mean vs Slug, Sign Corrected



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

Left Out: 2.556 $\pm$ 0.817 χ^2/NDF : 9.4/4

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

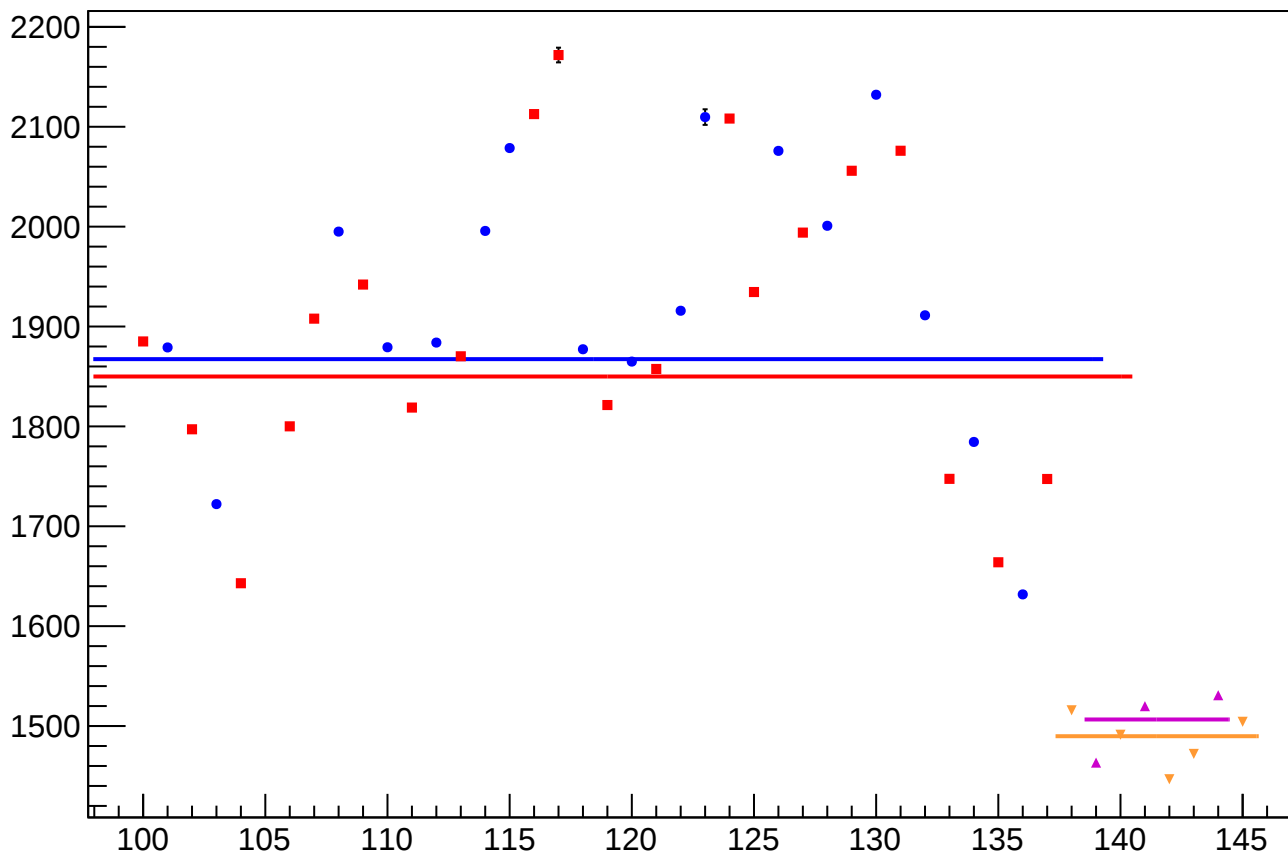
Left In: 8.636 $\pm$ 0.977 χ^2/NDF : 36.6/2

10.097 $\pm$ 0.541 χ^2/NDF : 1099.3/21

10.051 $\pm$ 0.391 χ^2/NDF : 1782.0/44

10.000 $\pm$ 0.565 χ^2/NDF : 682.7/22

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

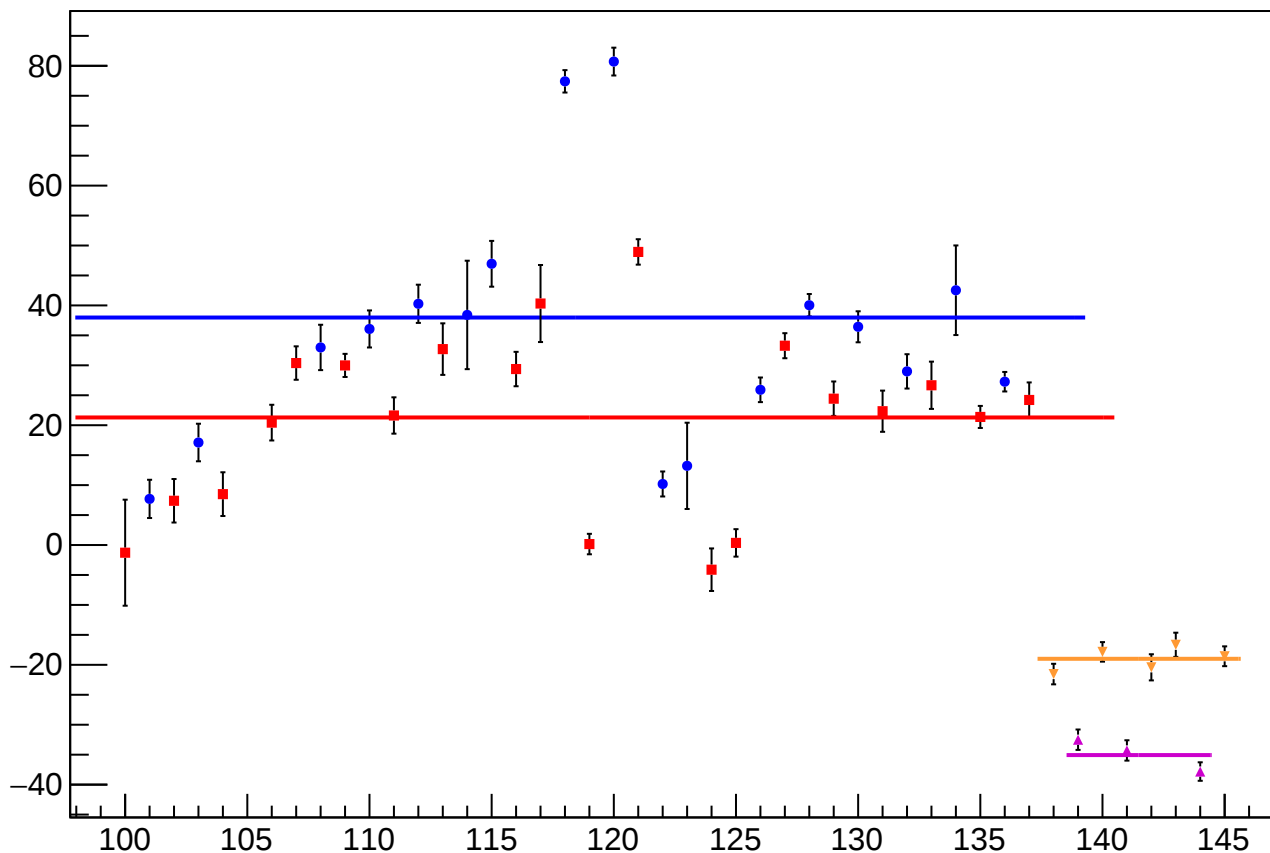
Left In: 1506.558 $\pm$ 0.691 χ^2/NDF : 1744.9/2

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

1717.902 $\pm$ 0.276 χ^2/NDF : 566630.6/44

1735.290 $\pm$ 0.399 χ^2/NDF : 240725.2/22

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

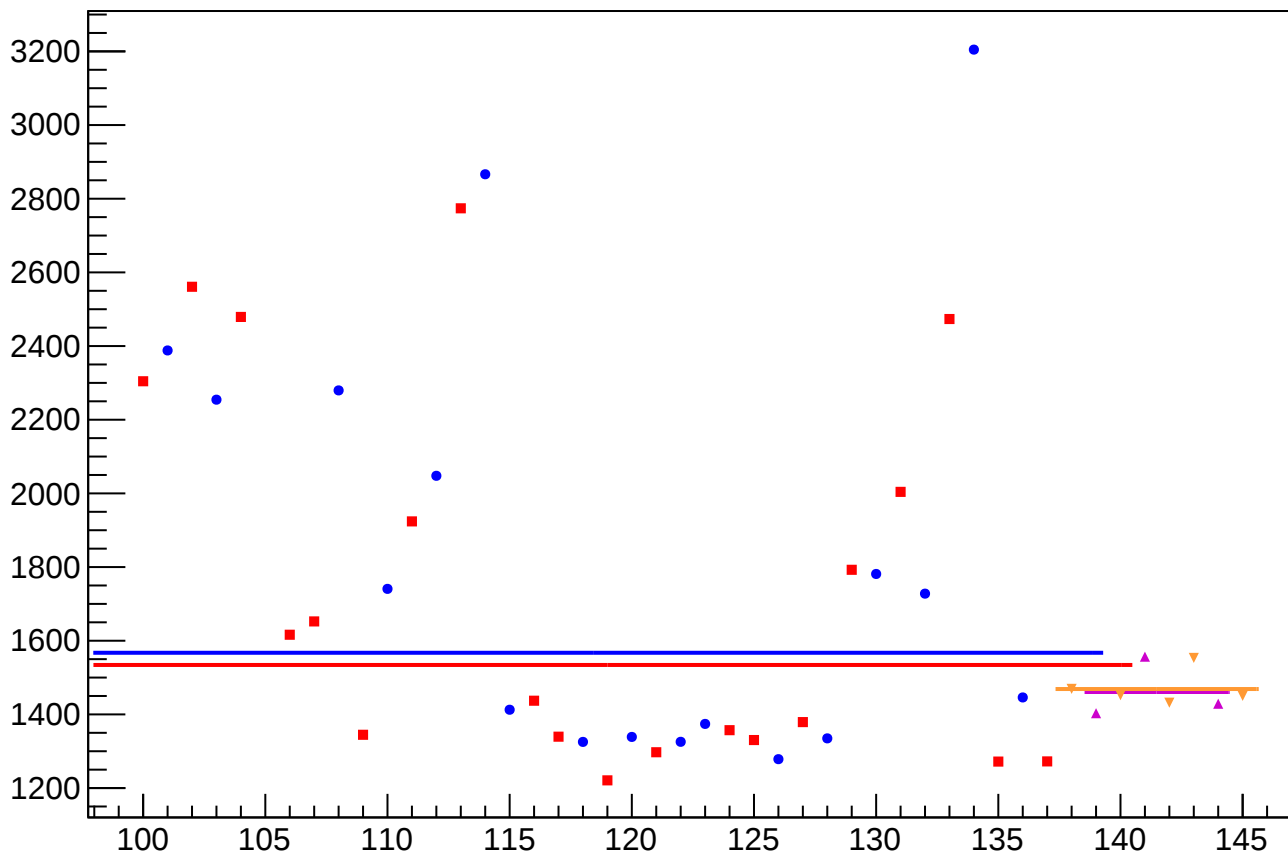
Left In: -35.067 +/- 0.949 χ^2/NDF : 5.7/2

16.077 +/- 0.500 χ^2/NDF : 4280.4/21

10.641 +/- 0.357 χ^2/NDF : 7617.2/44

4.976 +/- 0.510 χ^2/NDF : 3095.5/22

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

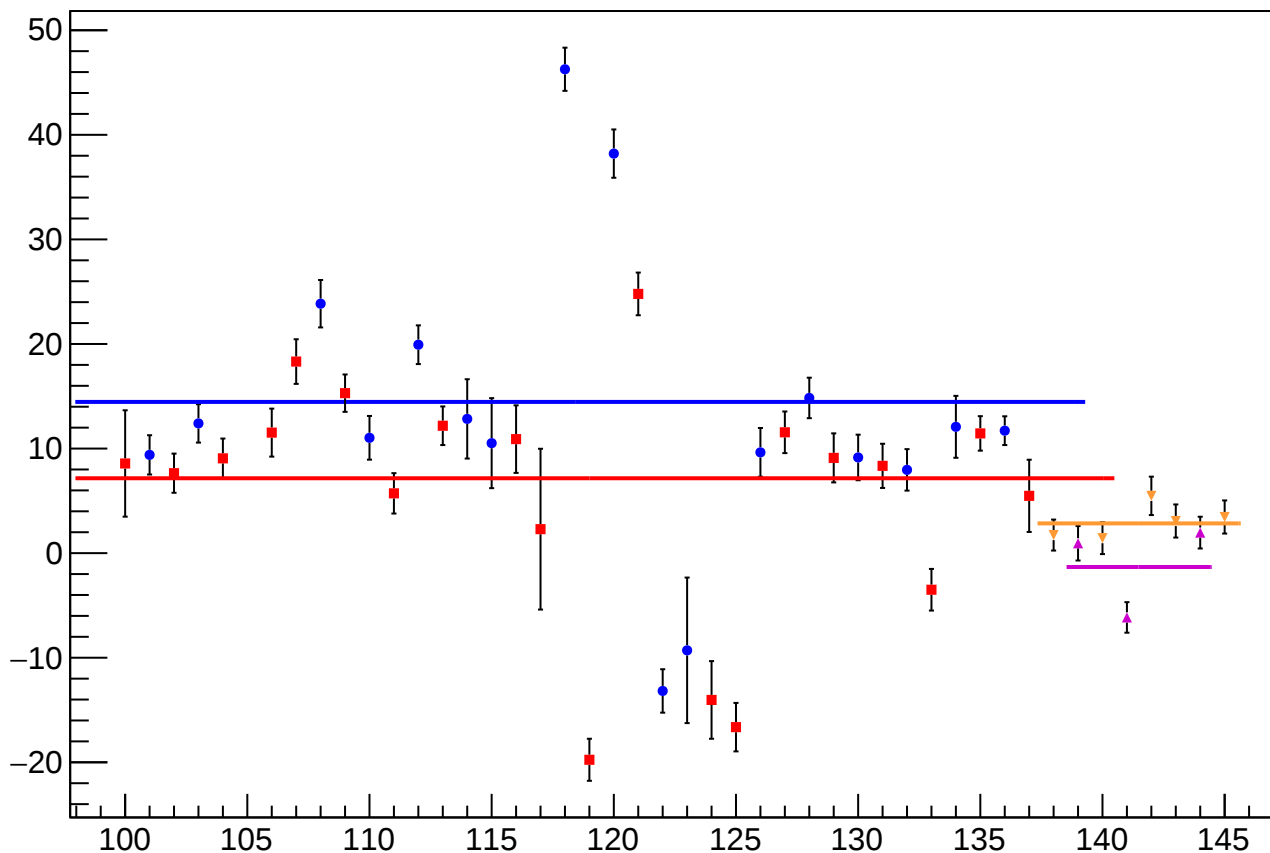
Left In: 1460.825 $\pm$ 0.671 χ^2/NDF : 9509.6/2

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

1521.404 $\pm$ 0.253 χ^2/NDF : 1599360.7/44

1512.974 $\pm$ 0.361 χ^2/NDF : 901962.4/22

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

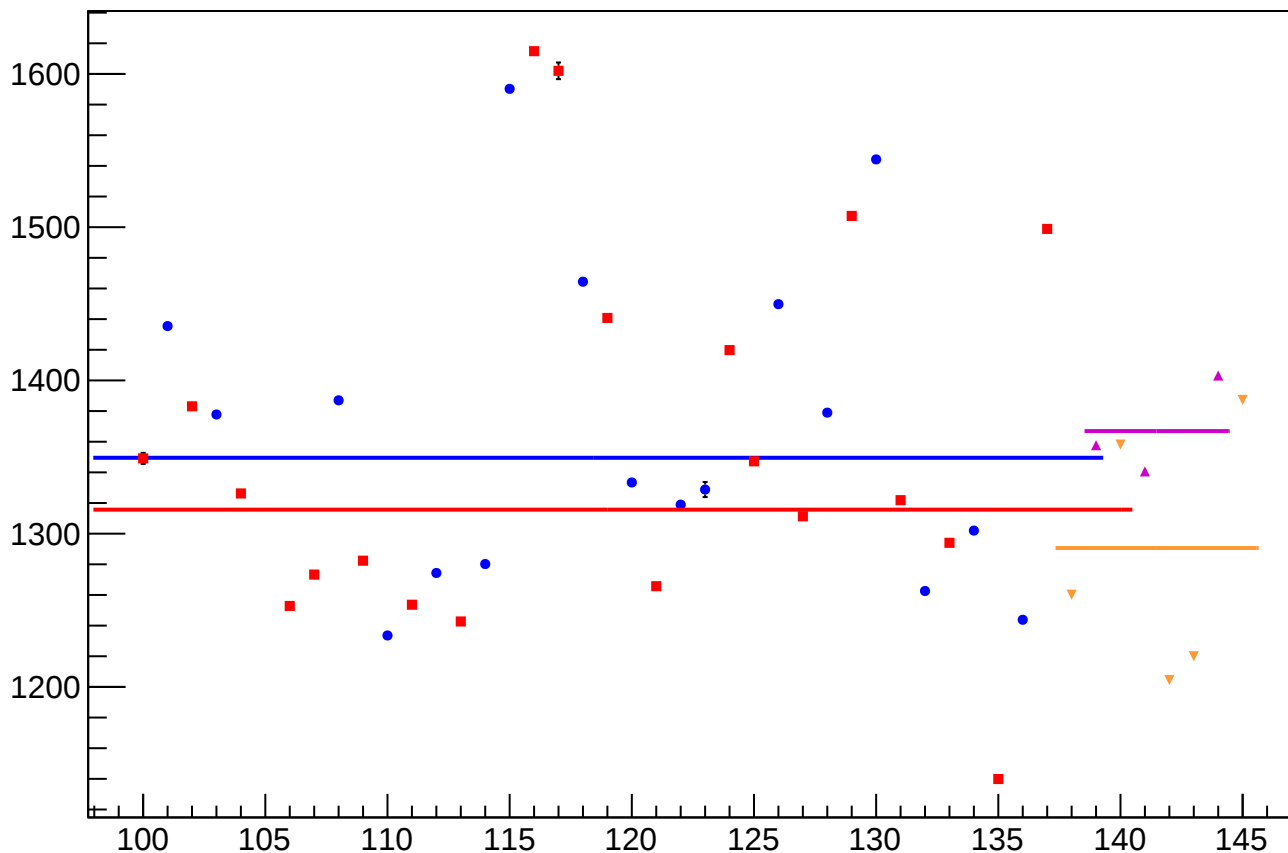
Left In: -1.324 $\pm$ 0.887 χ^2 /NDF: 17.5/2

10.377 $\pm$ 0.421 χ^2 /NDF: 772.9/21

7.826 $\pm$ 0.301 χ^2 /NDF: 1431.4/44

5.155 $\pm$ 0.431 χ^2 /NDF: 583.5/22

diff_bpm0i07Y_rms vs Slug, Sign Corrected



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

Left Out: 1290.640 $\pm$ 0.502 χ^2/NDF : 20603.6/4

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

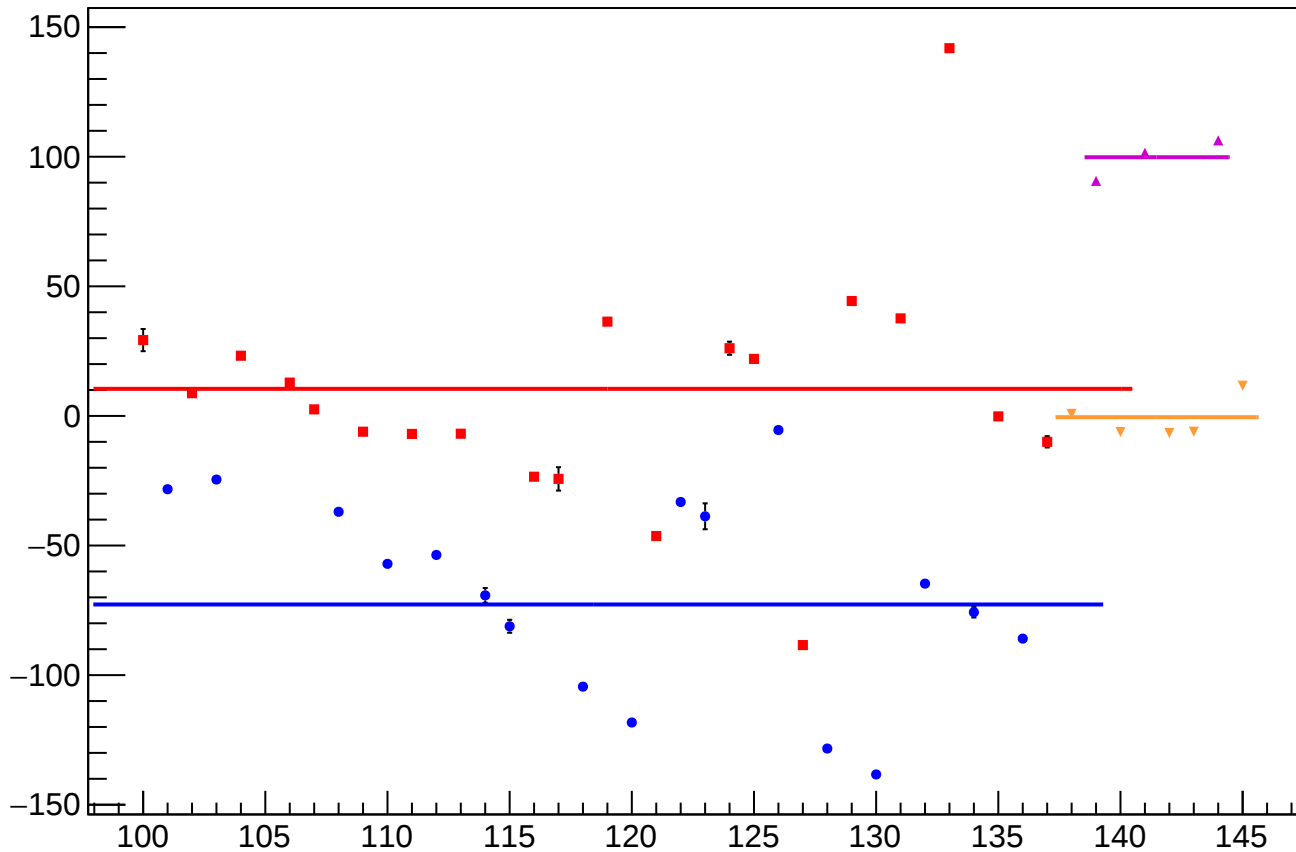
Left In: 1366.942 $\pm$ 0.627 χ^2/NDF : 1852.1/2

1328.822 $\pm$ 0.298 χ^2/NDF : 94176.1/21

1328.318 $\pm$ 0.213 χ^2/NDF : 184879.8/44

1327.790 $\pm$ 0.305 χ^2/NDF : 90697.8/22

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

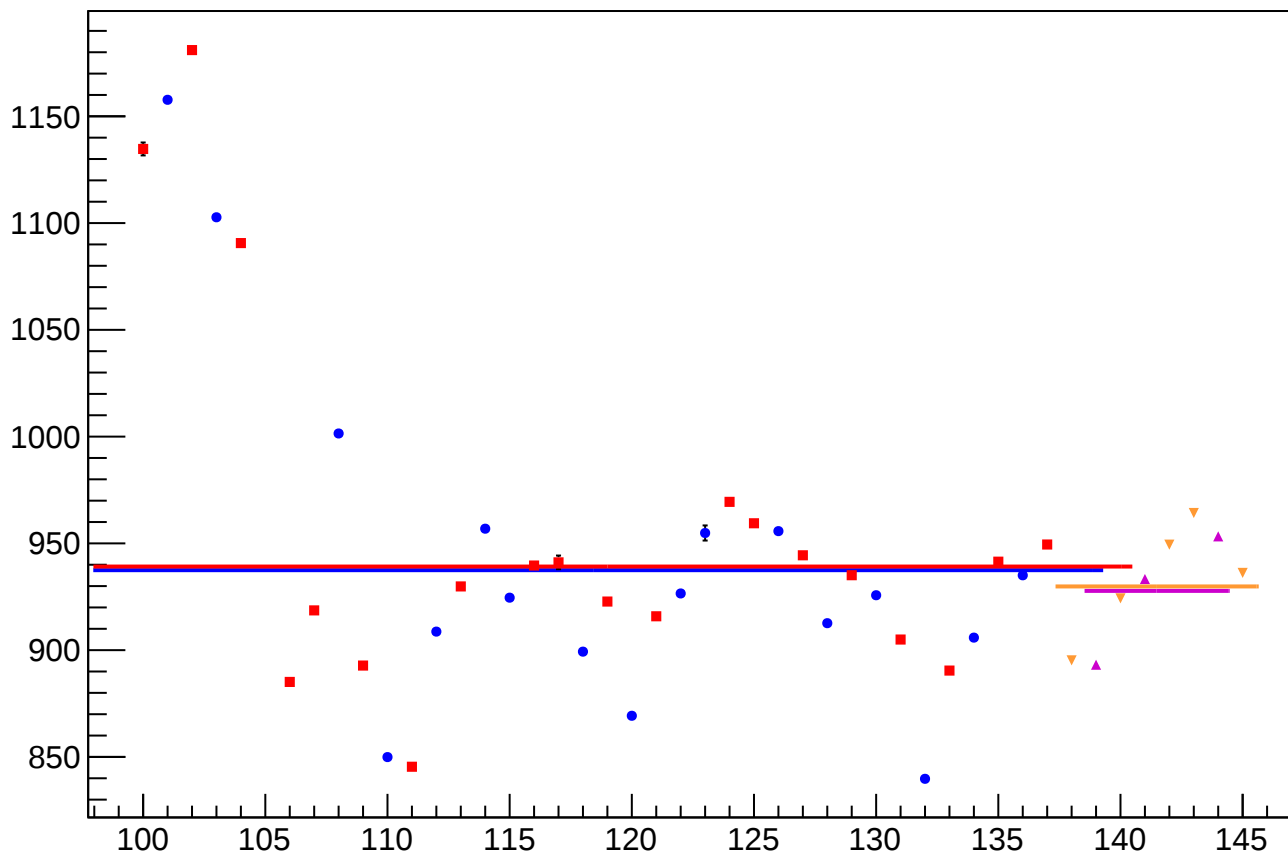
Left In: 99.808 ± 0.601 χ^2/NDF : 113.8/2

-48.504 ± 0.295 χ^2/NDF : 25226.9/21

-8.728 ± 0.212 χ^2/NDF : 97285.9/44

33.201 ± 0.303 χ^2/NDF : 34813.3/22

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.454 $\pm$ 0.256 χ^2 /NDF: 98307.6/16

Left Out: 929.836 $\pm$ 0.361 χ^2 /NDF: 4205.5/4

Right Out: 939.152 $\pm$ 0.248 χ^2 /NDF: 90253.6/19

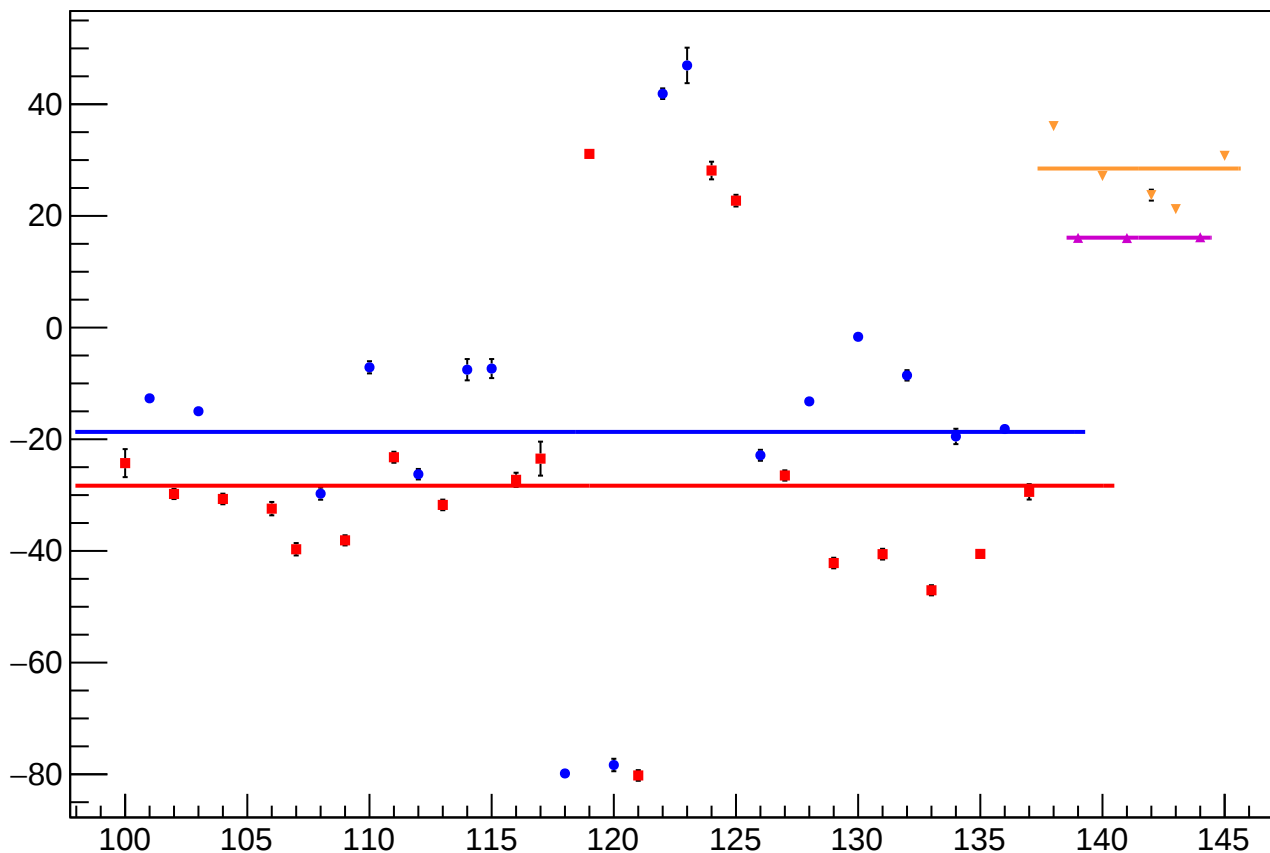
Left In: 927.756 $\pm$ 0.425 χ^2 /NDF: 3331.7/2

934.898 $\pm$ 0.209 χ^2 /NDF: 102809.7/21

935.557 $\pm$ 0.150 χ^2 /NDF: 196951.2/44

936.251 $\pm$ 0.214 χ^2 /NDF: 94121.1/22

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

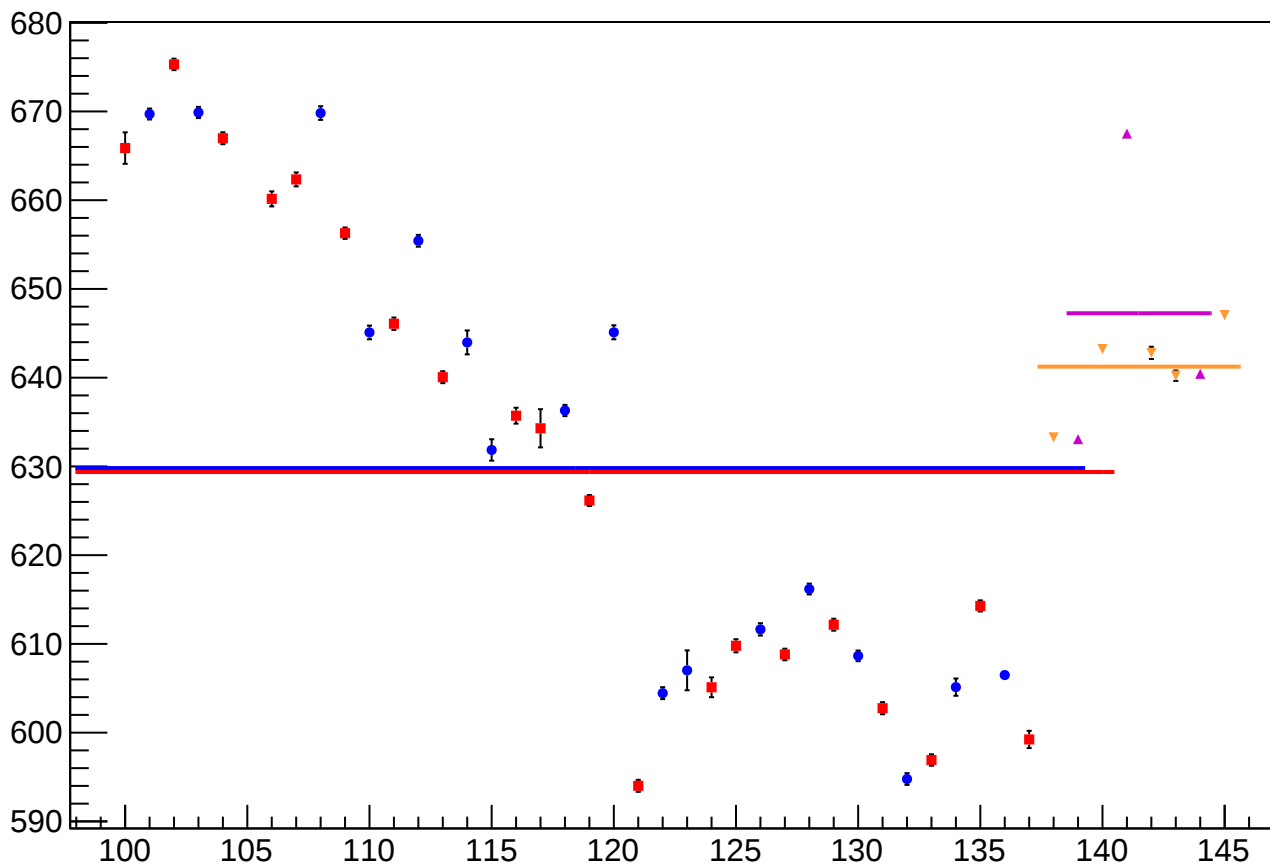
Left In: 16.102 ± 0.419 χ^2/NDF : 0.0/2

-3.462 ± 0.200 χ^2/NDF : 25418.4/21

-10.409 ± 0.143 χ^2/NDF : 48956.1/44

-17.717 ± 0.205 χ^2/NDF : 21054.6/22

diff_bpm1i02Y_rms vs Slug, Sign Corrected



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

Left Out: 641.244 ± 0.249 $\chi^2/\text{NDF}: 380.3/4$

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

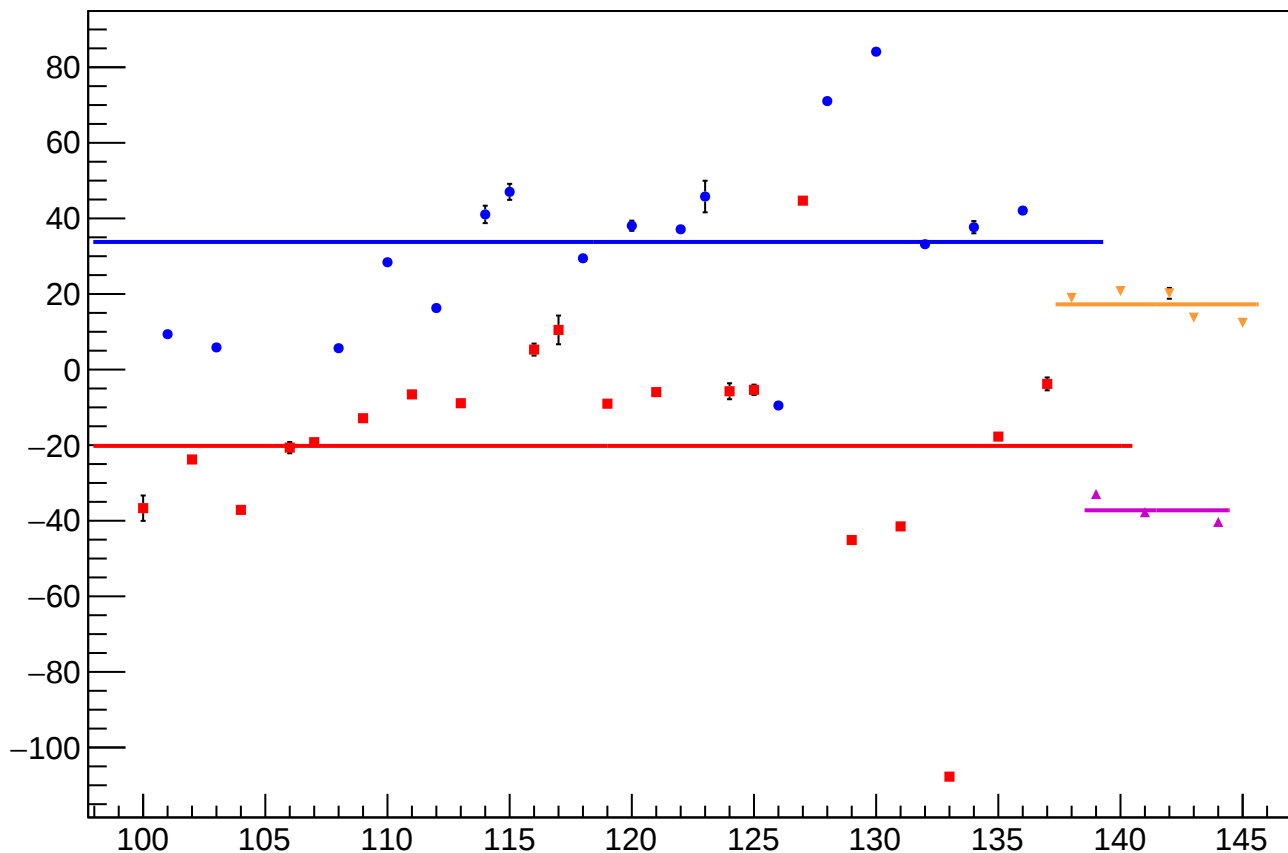
Left In: 647.258 ± 0.297 $\chi^2/\text{NDF}: 2432.6/2$

633.503 ± 0.141 $\chi^2/\text{NDF}: 25110.3/21$

633.569 ± 0.101 $\chi^2/\text{NDF}: 55858.4/44$

633.638 ± 0.145 $\chi^2/\text{NDF}: 30747.6/22$

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

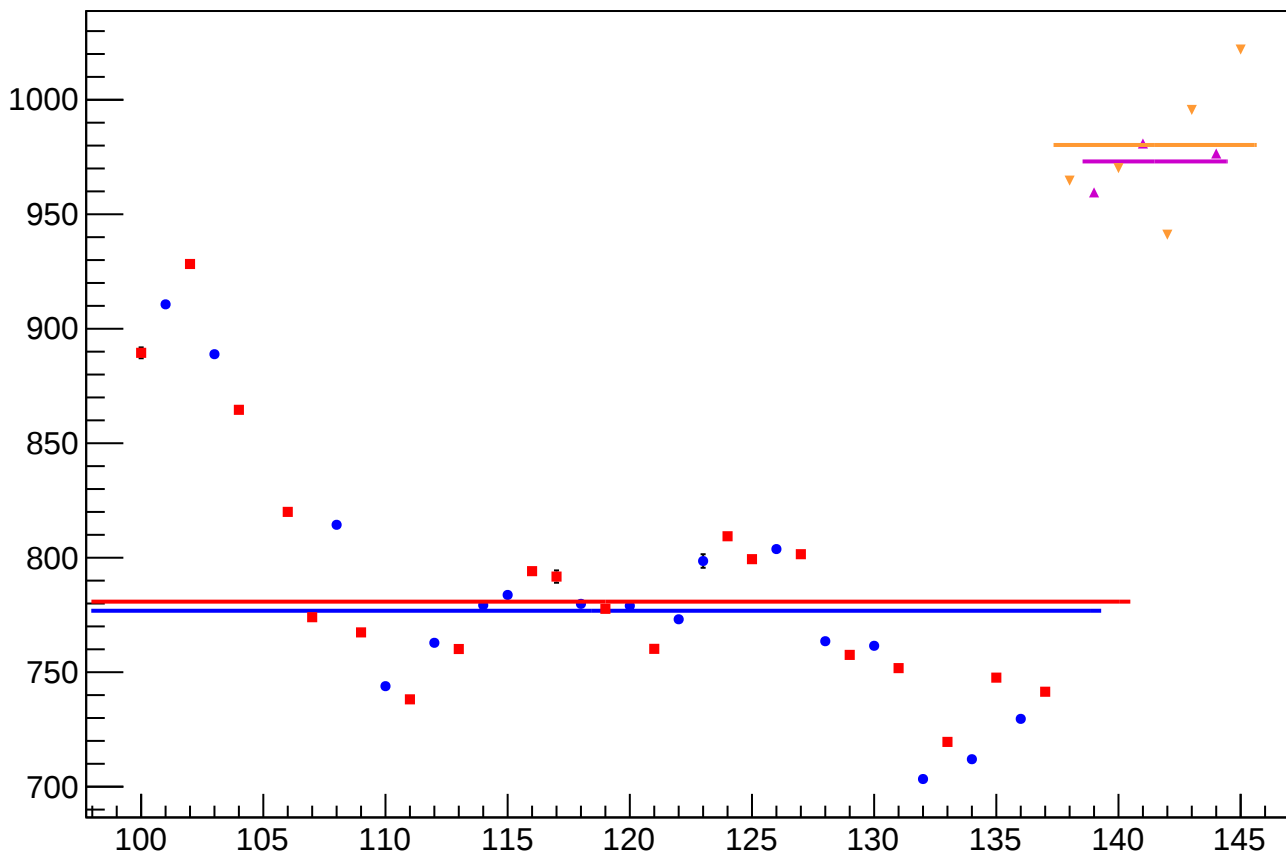
Left In: -37.237+/-0.631 χ^2/NDF : 22.5/2

29.856+/-0.262 χ^2/NDF : 7248.8/21

3.610+/-0.186 χ^2/NDF : 39523.5/44

-23.197+/-0.265 χ^2/NDF : 11977.8/22

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 776.838 ± 0.212 χ^2/NDF : 67487.1/16

Left Out: 980.266 ± 0.380 χ^2/NDF : 4888.5/4

Right Out: 780.820 ± 0.206 χ^2/NDF : 57445.6/19

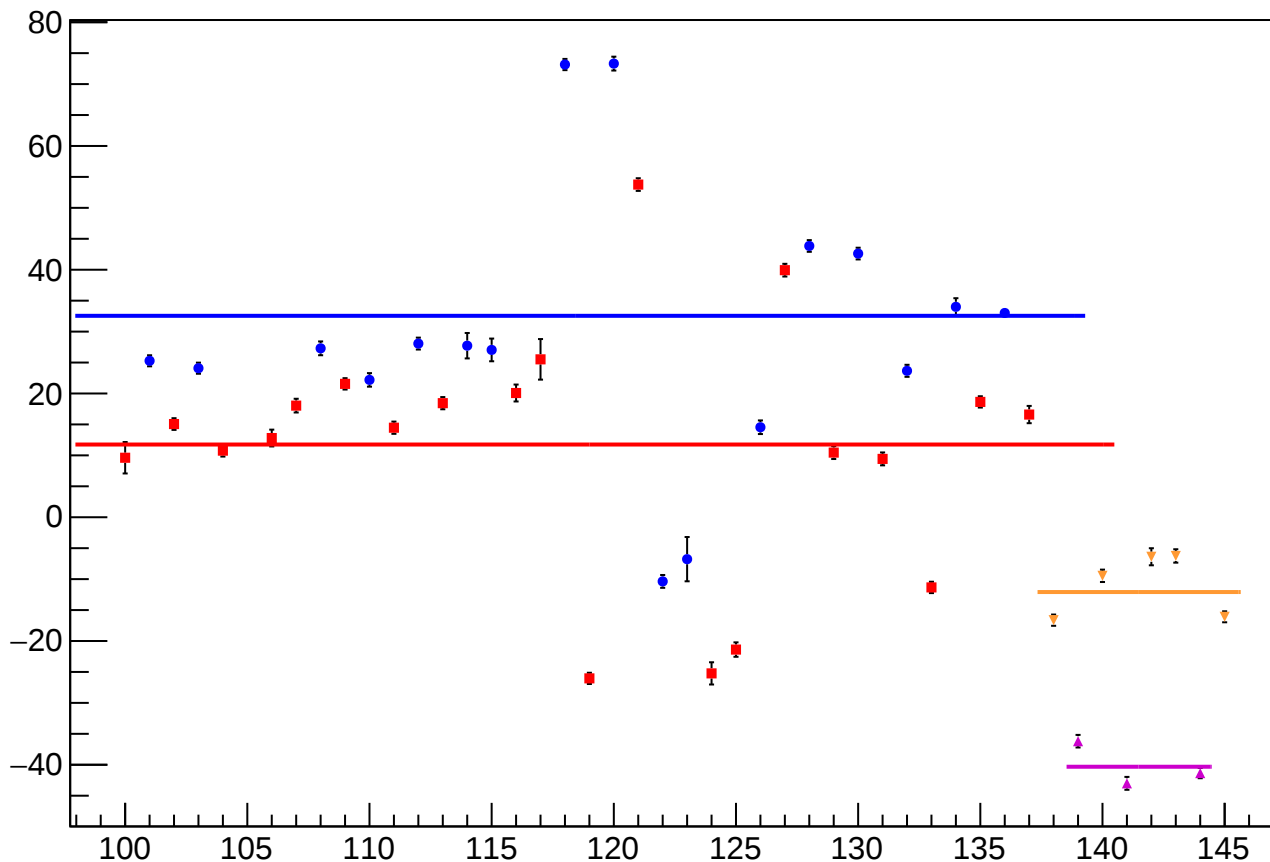
Left In: 973.073 ± 0.446 χ^2/NDF : 399.3/2

825.094 ± 0.185 χ^2/NDF : 290674.5/21

819.955 ± 0.132 χ^2/NDF : 503251.1/44

814.707 ± 0.187 χ^2/NDF : 211020.7/22

diff_bpm1i04Y_mean vs Slug, Sign Corrected



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

Left Out: -12.087 $\pm$ 0.454 χ^2 /NDF: 98.2/4

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

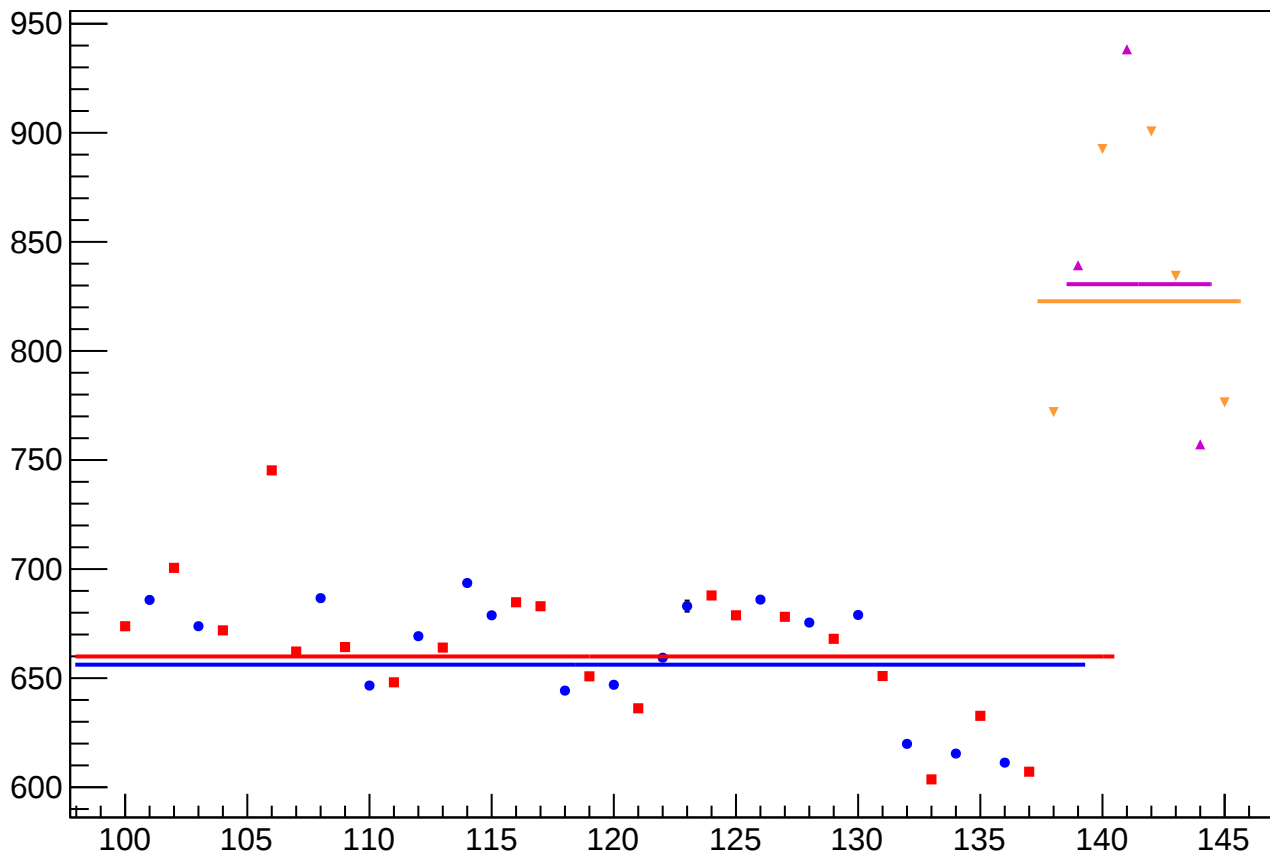
Left In: -40.320 $\pm$ 0.546 χ^2 /NDF: 24.6/2

21.981 $\pm$ 0.221 χ^2 /NDF: 13551.6/21

12.626 $\pm$ 0.157 χ^2 /NDF: 31144.1/44

2.961 $\pm$ 0.225 χ^2 /NDF: 13946.3/22

diff_bpm1i04Y_rms vs Slug, Sign Corrected



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

Left Out: 822.795 $\pm$ 0.321 χ^2/NDF : 28012.5/4

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

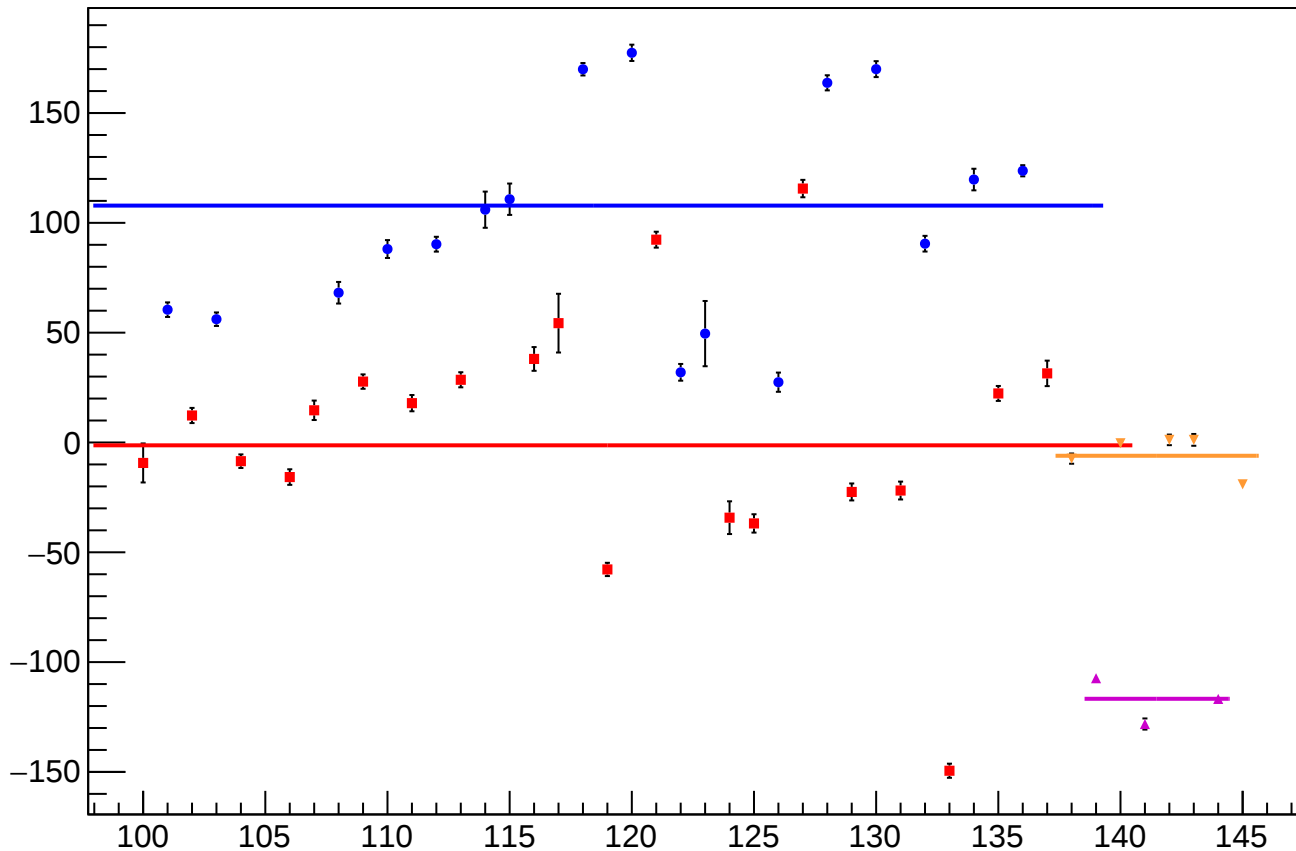
Left In: 830.607 $\pm$ 0.386 χ^2/NDF : 37272.4/2

695.639 $\pm$ 0.156 χ^2/NDF : 257220.8/21

692.254 $\pm$ 0.111 χ^2/NDF : 485997.2/44

688.756 $\pm$ 0.159 χ^2/NDF : 227821.5/22

diff_bpm1i06X_mean vs Slug, Sign Corrected



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

Left Out: -6.050+/-1.030 χ^2 /NDF: 64.4/4

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

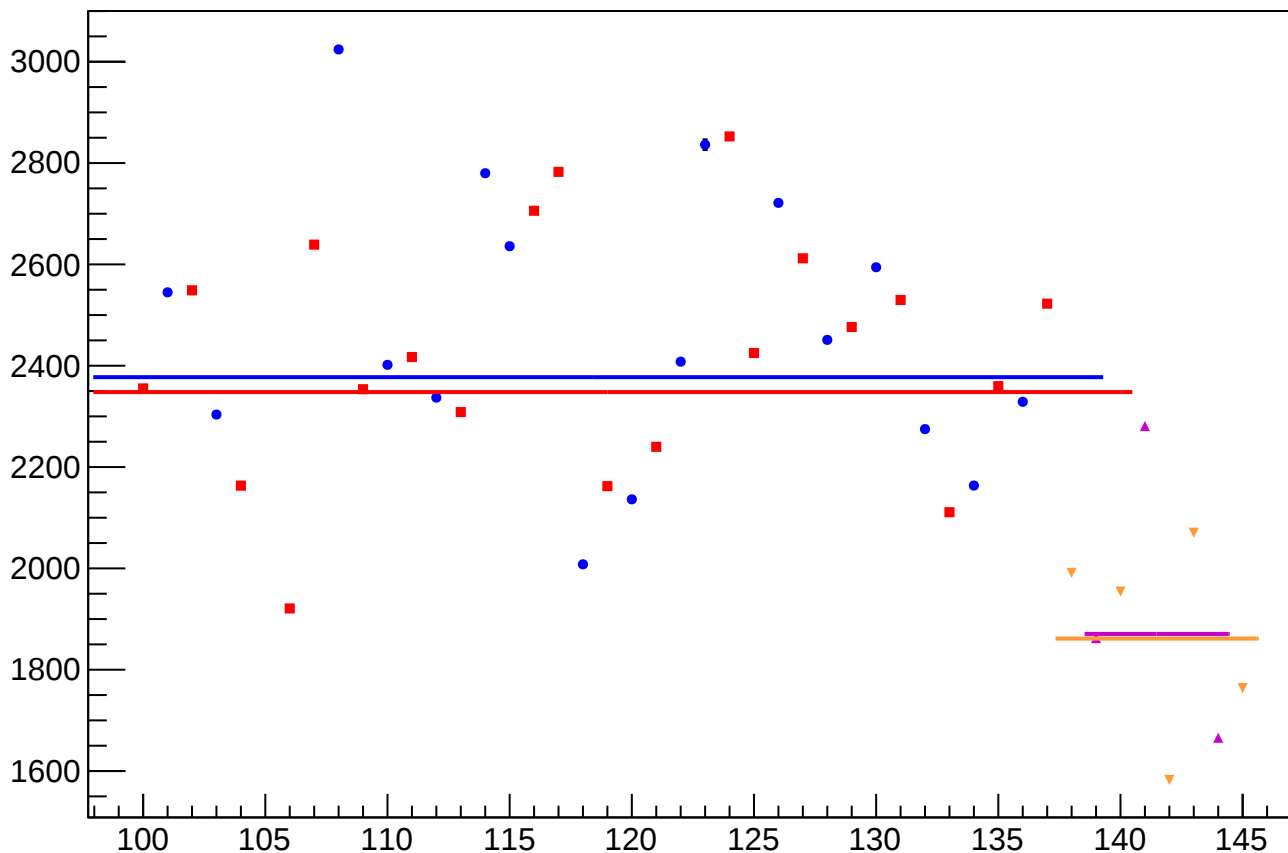
Left In: -116.705+/-1.238 χ^2 /NDF: 37.5/2

57.204+/-0.687 χ^2 /NDF: 9666.5/21

10.698+/-0.496 χ^2 /NDF: 29612.2/44

-40.131+/-0.718 χ^2 /NDF: 10347.4/22

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

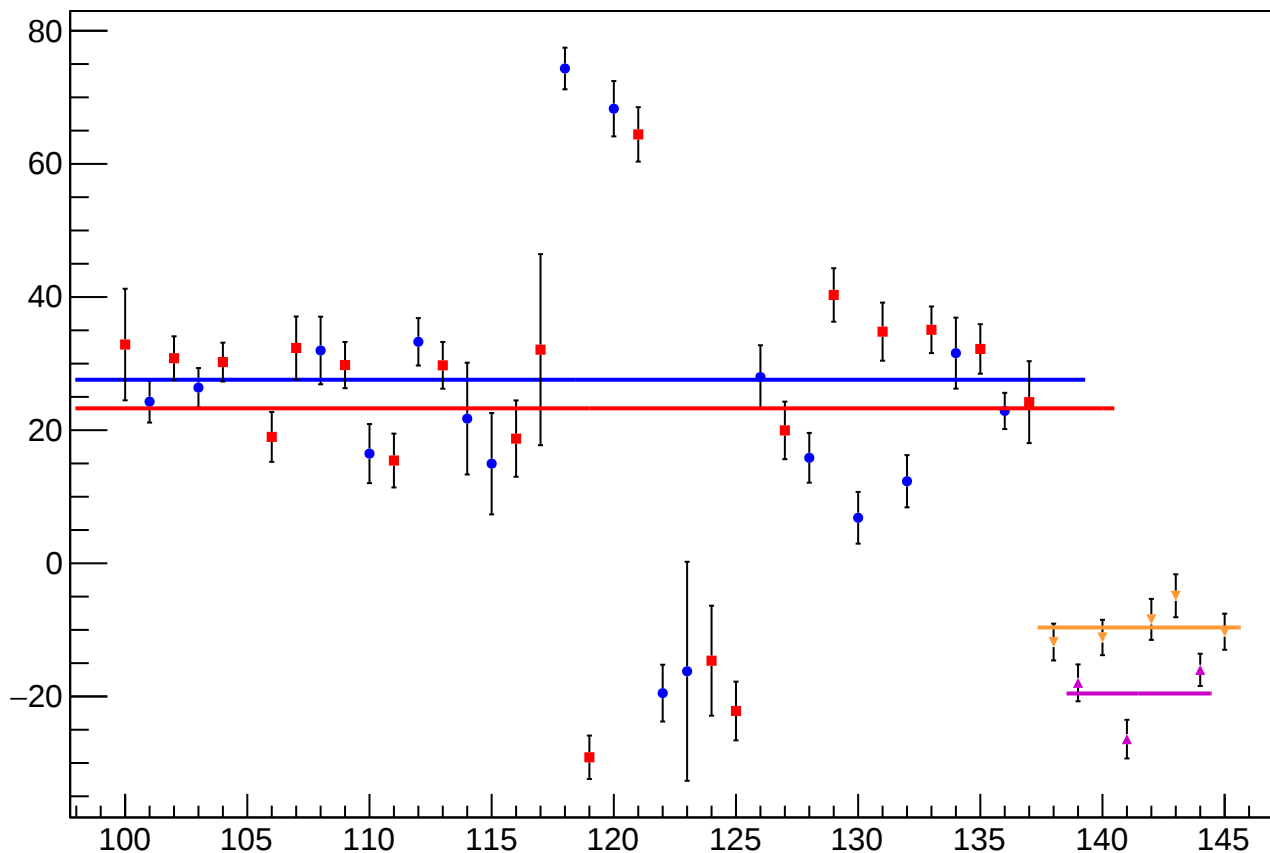
Left In: 1870.639 $\pm$ 0.875 χ^2 /NDF: 78027.7/2

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

2166.819 $\pm$ 0.351 χ^2 /NDF: 840580.5/44

2187.387 $\pm$ 0.508 χ^2 /NDF: 385824.2/22

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.577+/-0.975 χ^2/NDF : 519.6/16

Left Out: -9.640+/-1.280 χ^2/NDF : 3.3/4

Right Out: 23.280+/-0.925 χ^2/NDF : 558.2/19

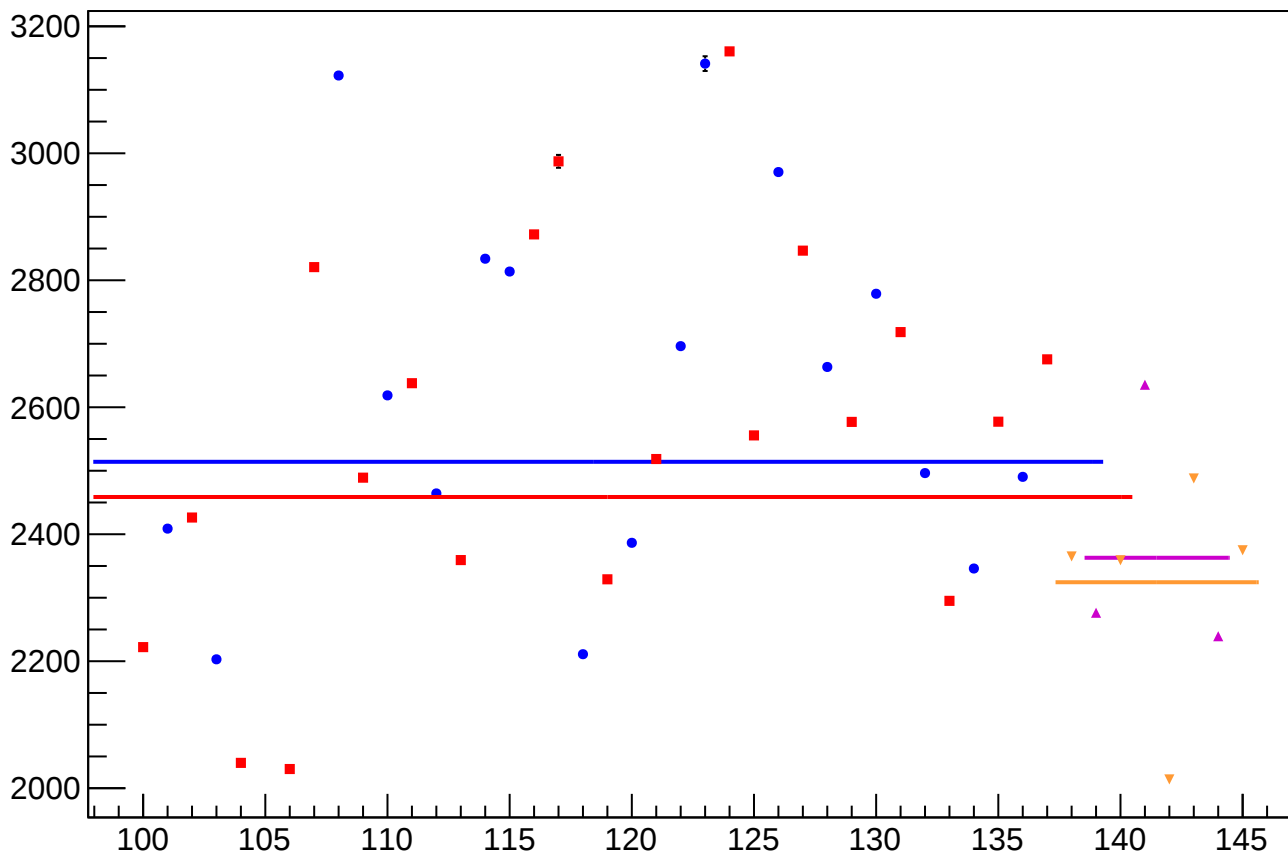
Left In: -19.556+/-1.544 χ^2/NDF : 8.1/2

13.918+/-0.776 χ^2/NDF : 1057.9/21

12.964+/-0.555 χ^2/NDF : 2193.6/44

11.966+/-0.794 χ^2/NDF : 1132.7/22

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2514.088 $\pm$ 0.689 χ^2/NDF : 120961.3/16

Left Out: 2324.407 $\pm$ 0.905 χ^2/NDF : 26942.8/4

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

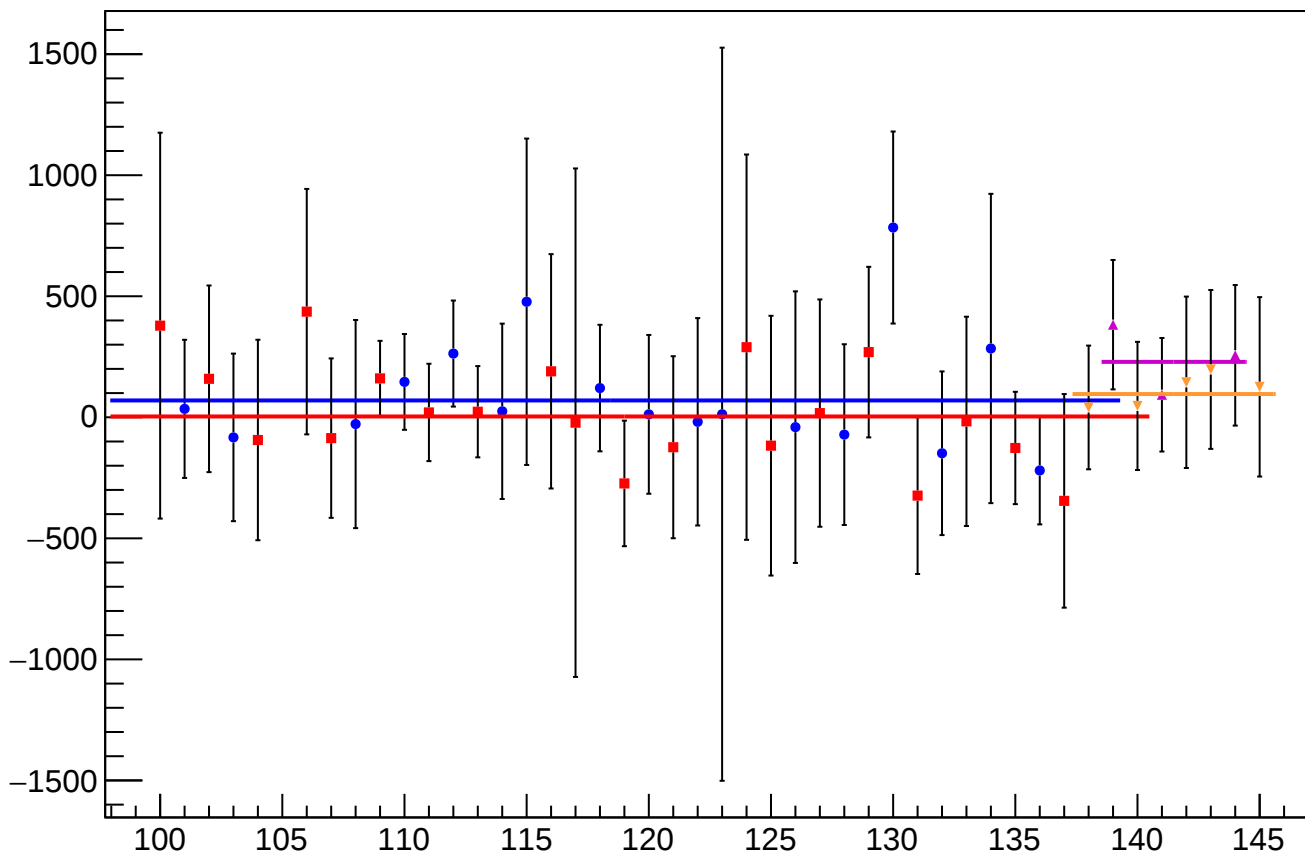
Left In: 2362.938 $\pm$ 1.092 χ^2/NDF : 24788.7/2

2444.475 $\pm$ 0.548 χ^2/NDF : 175697.8/21

2439.055 $\pm$ 0.392 χ^2/NDF : 358801.4/44

2433.381 $\pm$ 0.561 χ^2/NDF : 182903.7/22

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.587 $\pm$ 79.023 χ^2 /NDF: 7.3/16

Left Out: 96.016 $\pm$ 135.911 χ^2 /NDF: 0.2/4

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

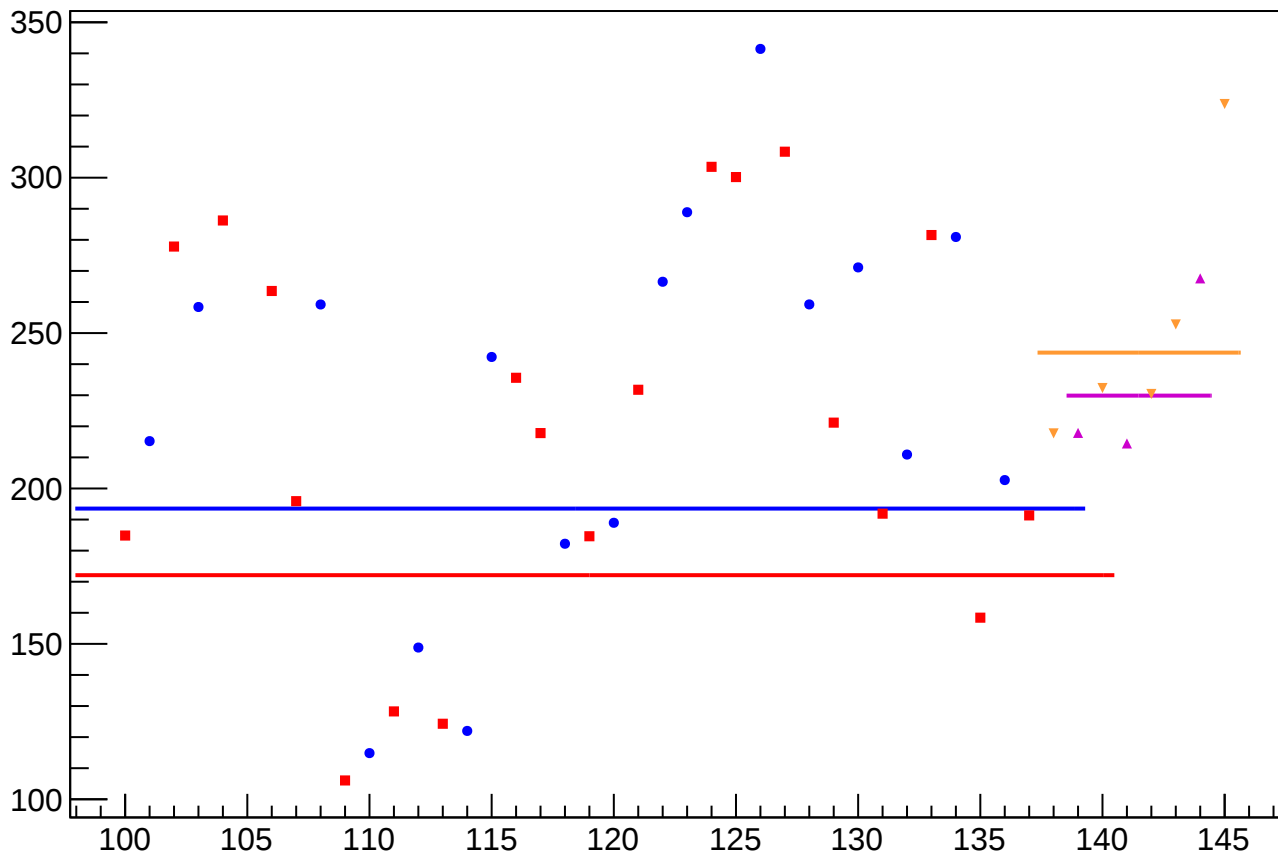
Left In: 228.981 $\pm$ 150.672 χ^2 /NDF: 0.7/2

76.264 $\pm$ 68.315 χ^2 /NDF: 7.6/21

58.552 $\pm$ 46.452 χ^2 /NDF: 16.6/44

43.320 $\pm$ 63.353 χ^2 /NDF: 8.9/22

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.533 $\pm$ 0.056 χ^2 /NDF: 1010428.2/16

Left Out: 243.717 $\pm$ 0.096 χ^2 /NDF:121949.8/4

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

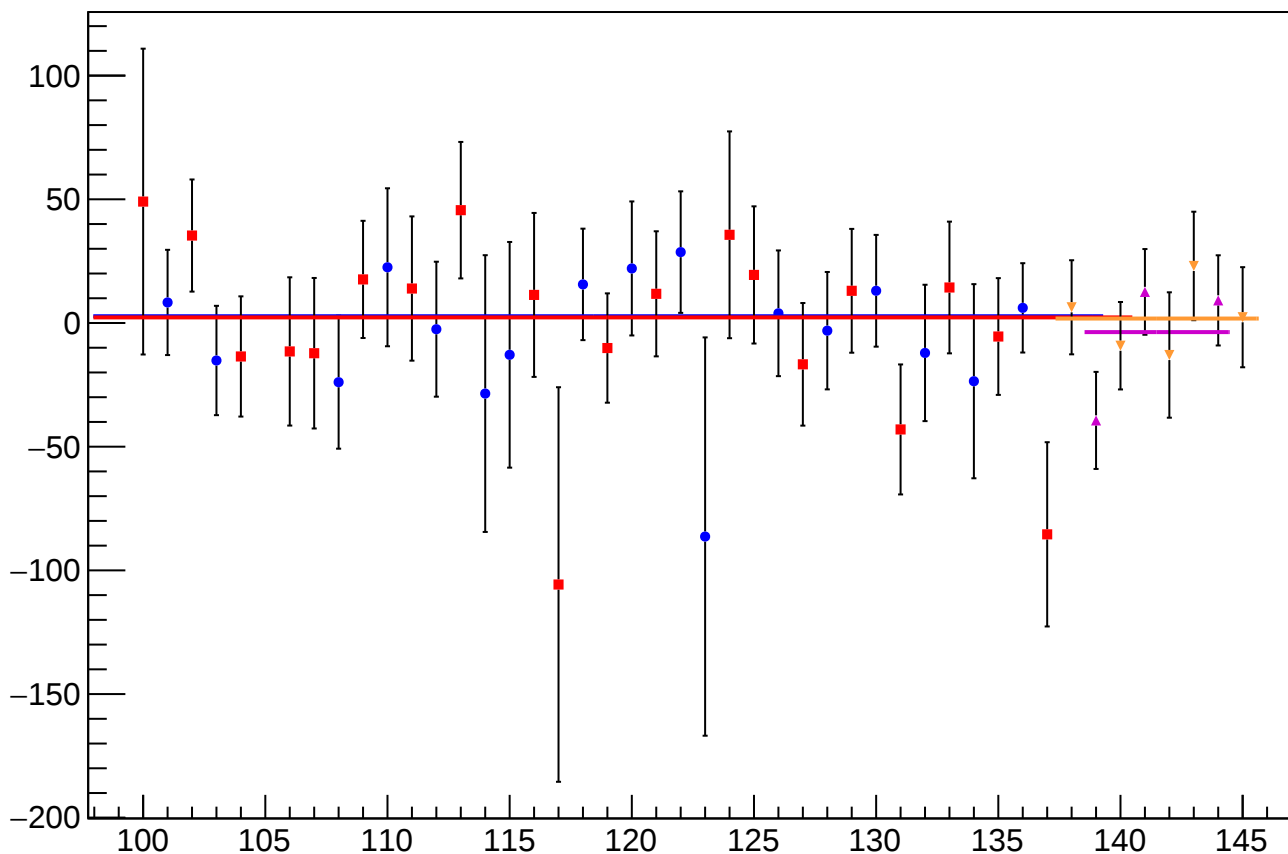
Left In: 229.878 $\pm$ 0.107 χ^2 /NDF:46424.5/2

206.212 $\pm$ 0.048 χ^2 /NDF: 1336159.8/21

193.366 $\pm$ 0.033 χ^2 /NDF: 3336892.0/44

182.318 $\pm$ 0.045 χ^2 /NDF: 1869186.6/22

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.733 ± 6.424 χ^2/NDF : 6.8/16

Left Out: 1.797 ± 9.112 χ^2/NDF : 1.7/4

Right Out: 2.259 ± 6.259 χ^2/NDF : 19.6/19

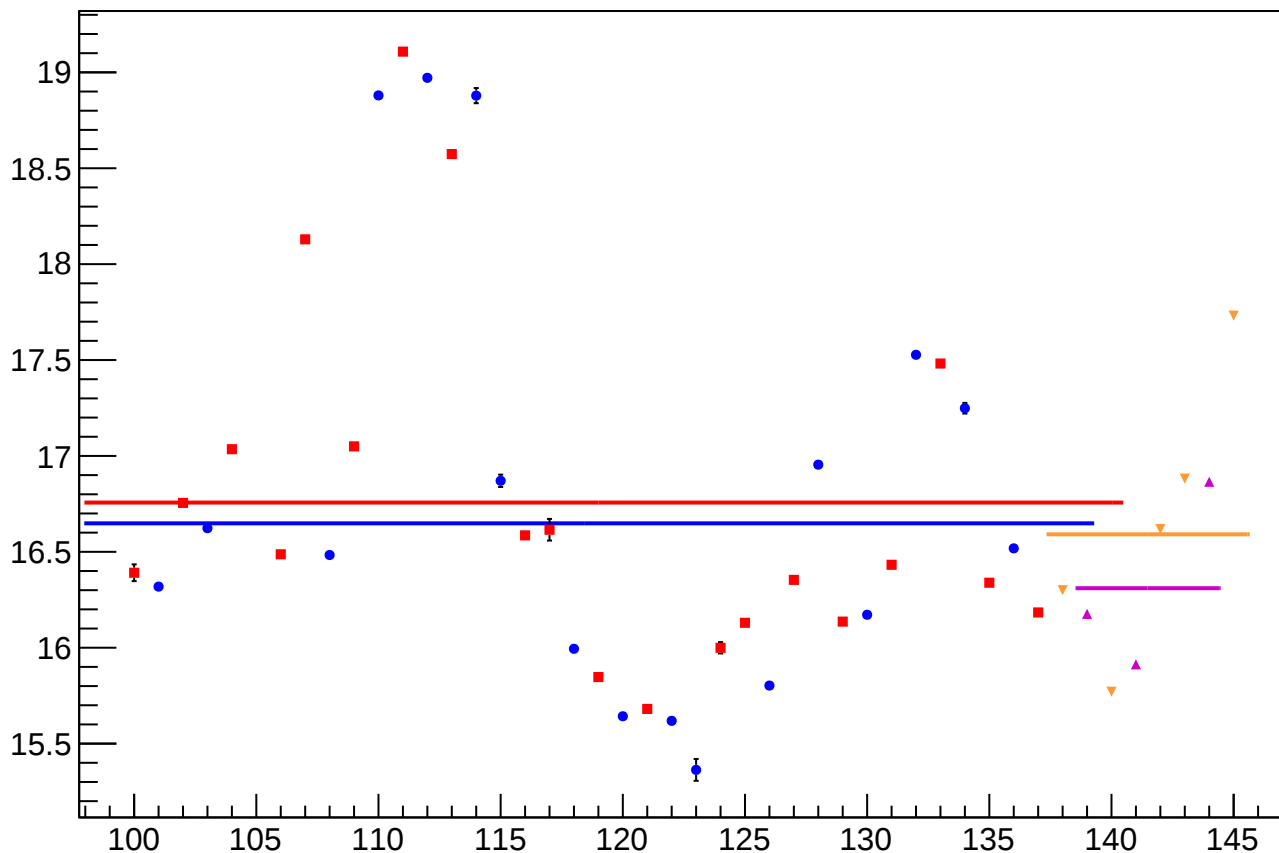
Left In: -3.685 ± 10.577 χ^2/NDF : 4.7/2

2.423 ± 5.251 χ^2/NDF : 8.5/21

1.592 ± 3.760 χ^2/NDF : 33.1/44

0.717 ± 5.387 χ^2/NDF : 24.5/22

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

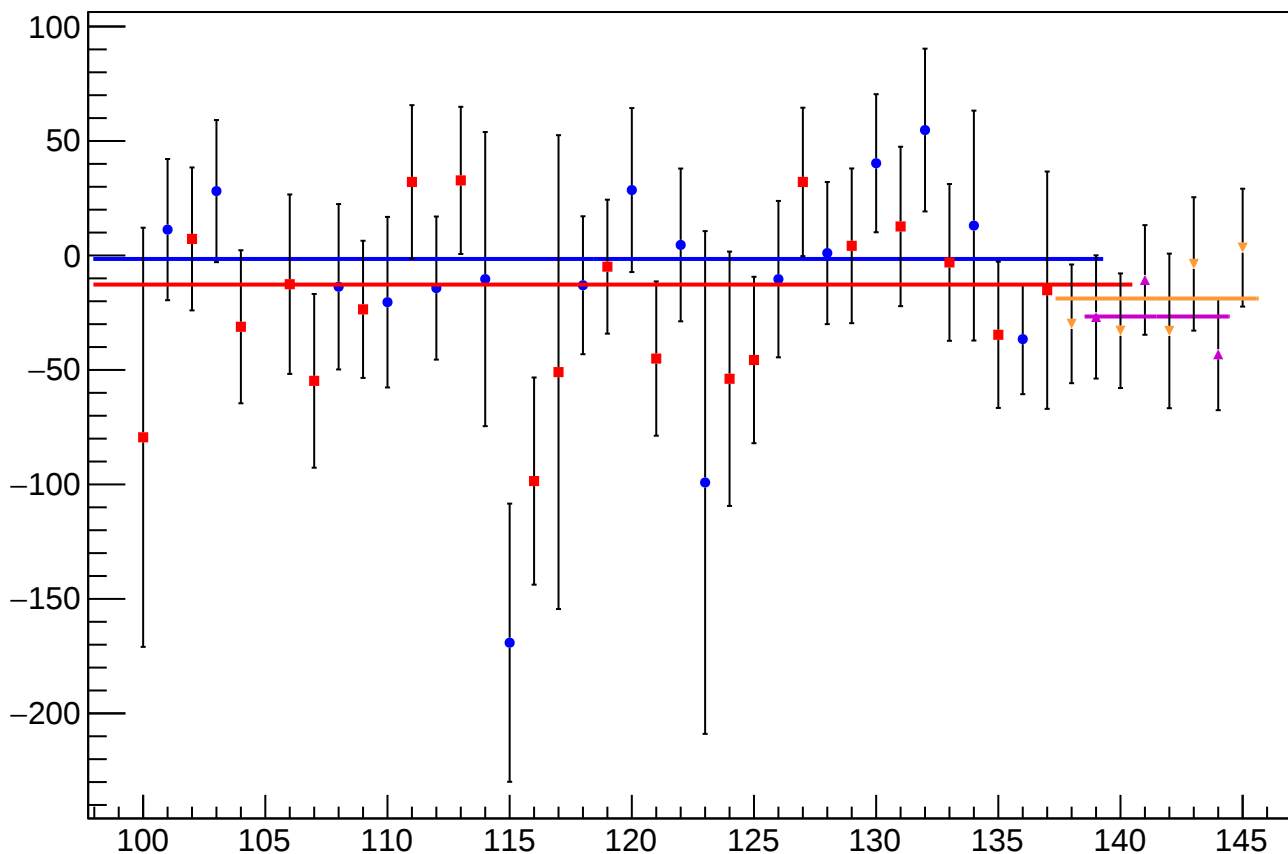
Left In: 16.310 $\pm$ 0.007 χ^2/NDF : 2997.5/2

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

16.635 $\pm$ 0.003 χ^2/NDF : 99703.9/44

16.641 $\pm$ 0.004 χ^2/NDF : 45593.9/22

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

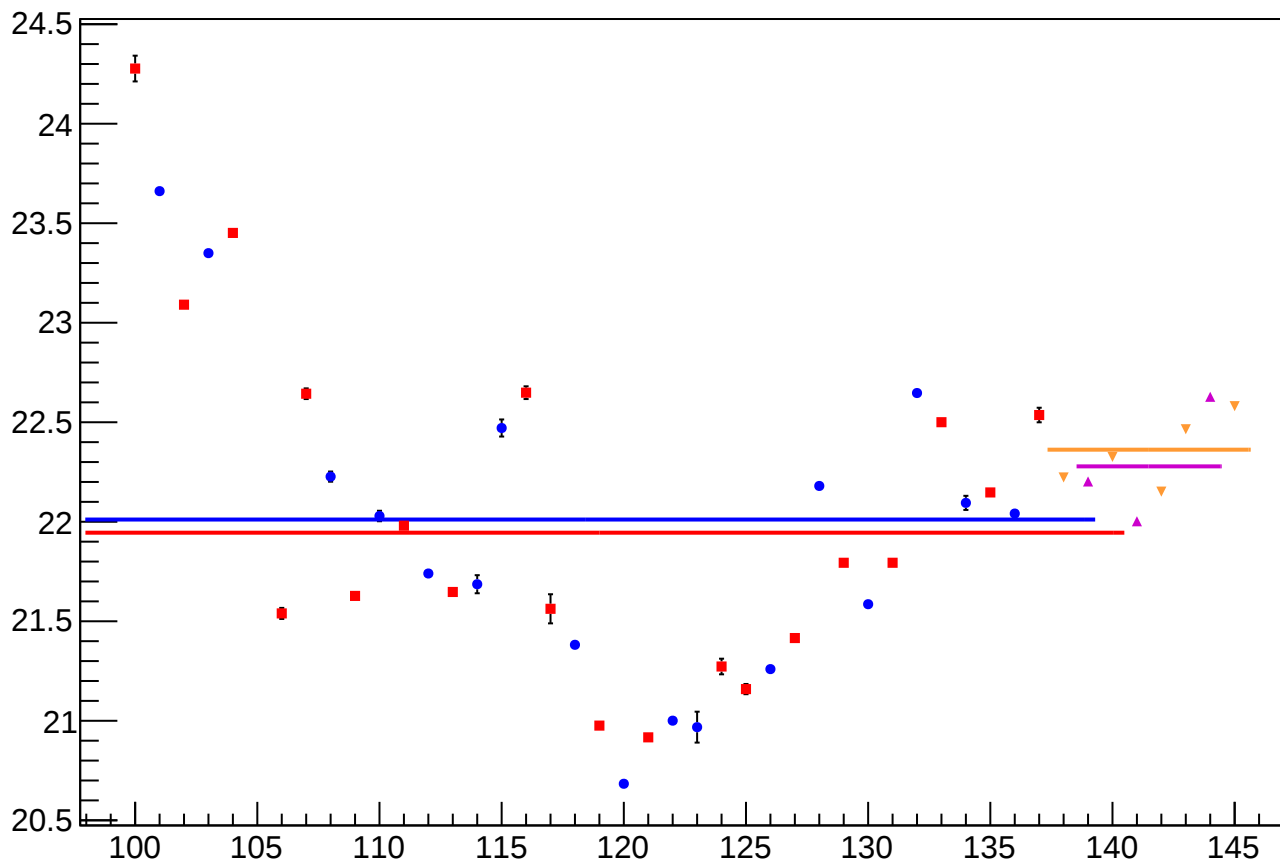
Left In: -26.666 ± 14.434 χ^2/NDF : 0.9/2

-7.119 ± 6.978 χ^2/NDF : 20.7/21

-11.524 ± 4.983 χ^2/NDF : 38.8/44

-16.110 ± 7.120 χ^2/NDF : 17.3/22

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.011+/-0.006 χ^2/NDF : 17546.9/16

Left Out: 22.362+/-0.009 χ^2/NDF : 309.2/4

Right Out: 21.945+/-0.006 χ^2/NDF : 16620.2/19

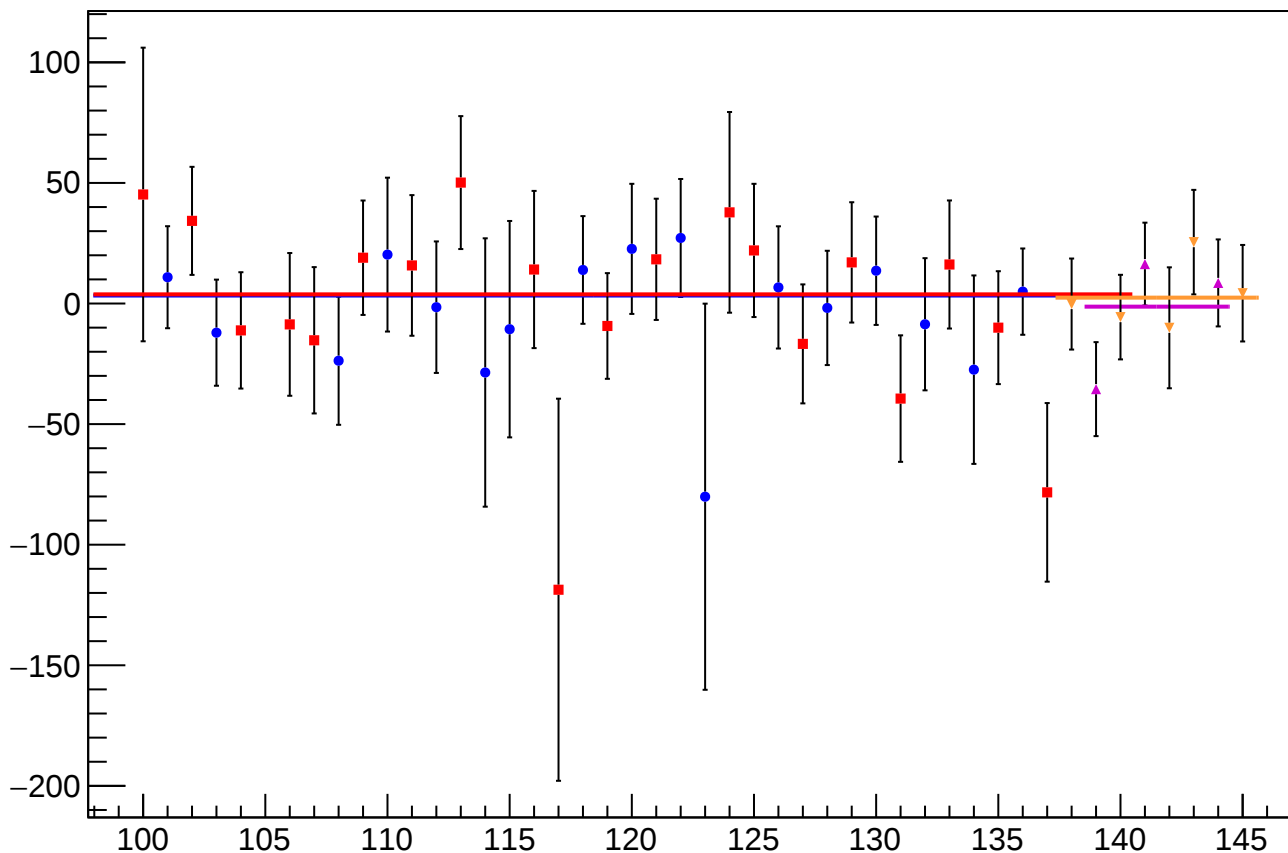
Left In: 22.278+/-0.010 χ^2/NDF : 690.9/2

22.125+/-0.005 χ^2/NDF : 18964.0/21

22.076+/-0.004 χ^2/NDF : 37277.9/44

22.026+/-0.005 χ^2/NDF : 18117.9/22

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

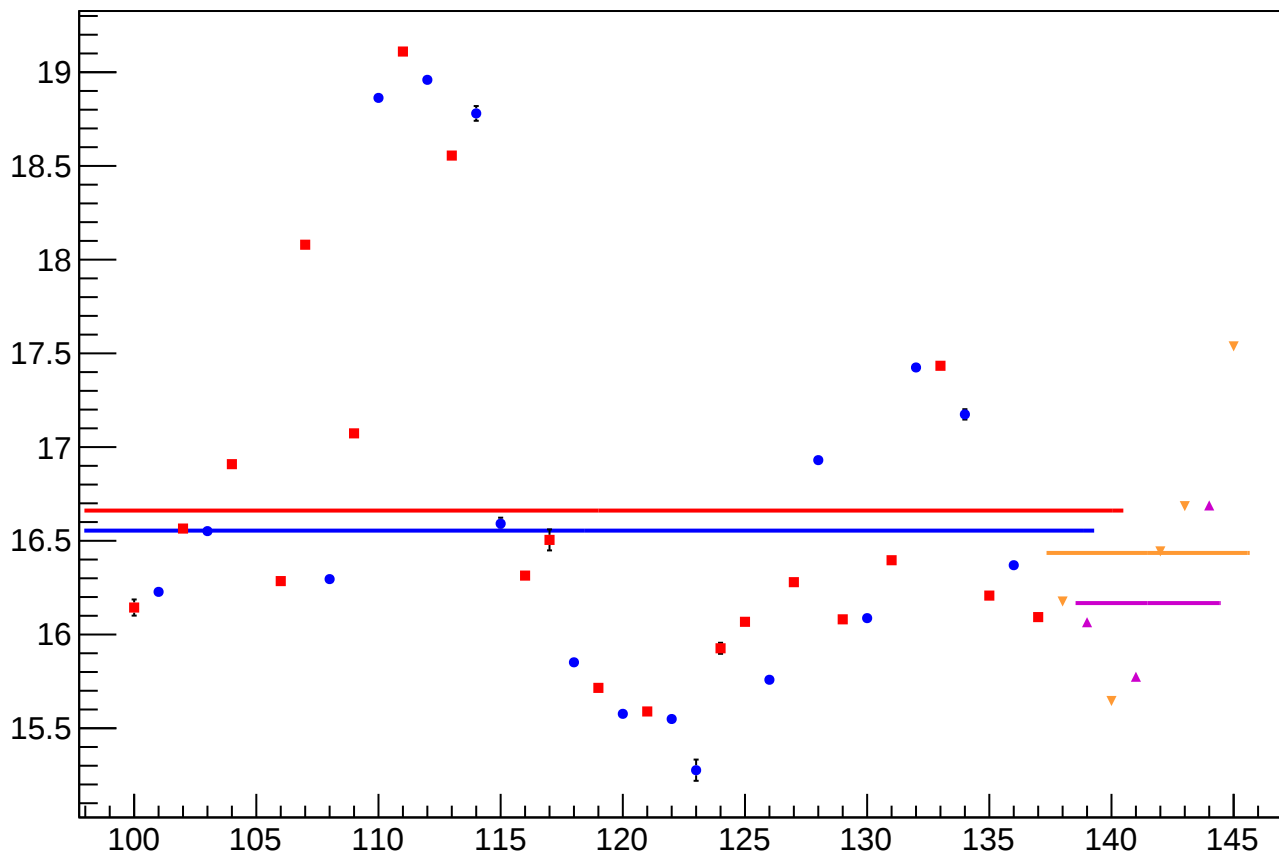
Left In: -1.298 $\pm$ 10.484 χ^2/NDF : 4.4/2

3.023 $\pm$ 5.214 χ^2/NDF : 7.9/21

2.755 $\pm$ 3.735 χ^2/NDF : 32.6/44

2.471 $\pm$ 5.352 χ^2/NDF : 24.7/22

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 16.435 $\pm$ 0.006 χ^2 /NDF:10766.4/4

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

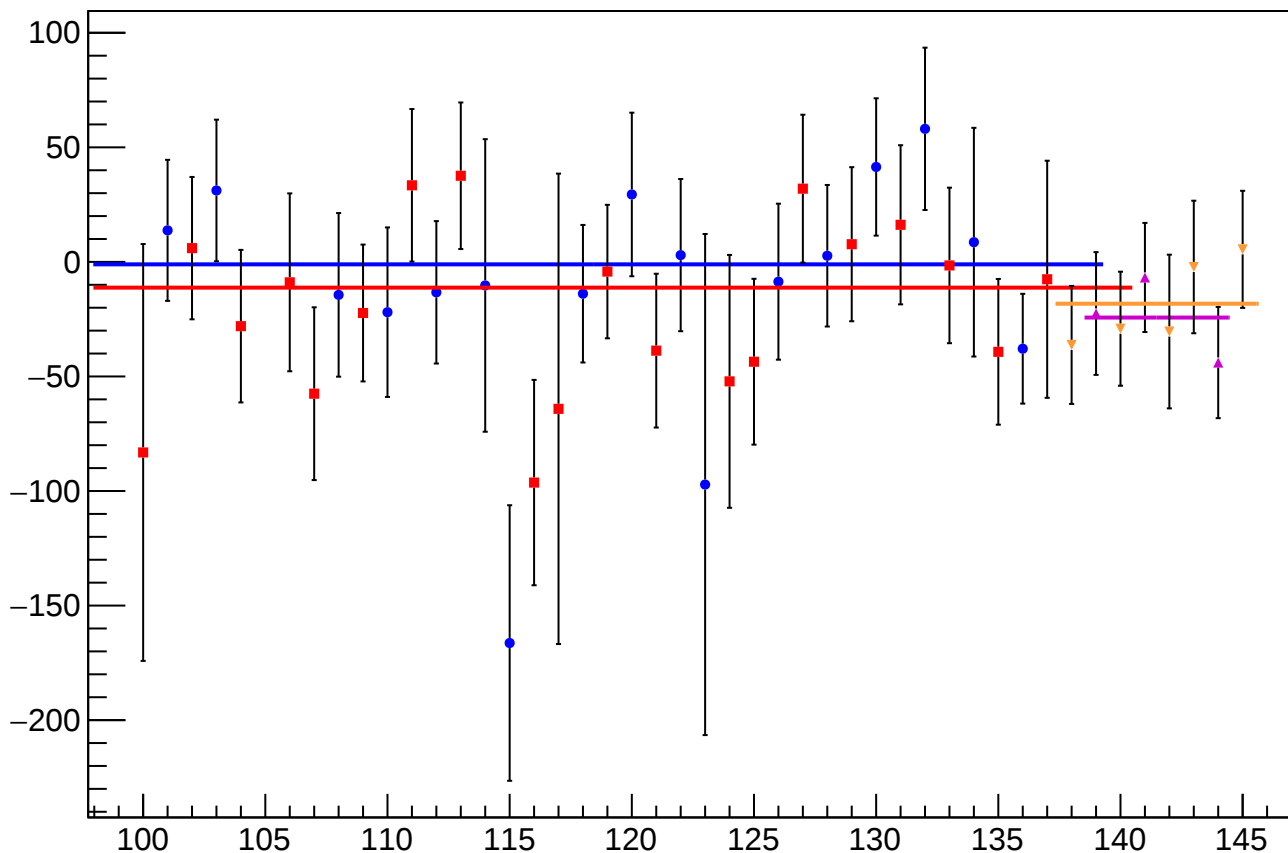
Left In: 16.168 $\pm$ 0.007 χ^2 /NDF:2770.0/2

16.515 $\pm$ 0.004 χ^2 /NDF: 55473.4/21

16.523 $\pm$ 0.003 χ^2 /NDF: 104603.9/44

16.533 $\pm$ 0.004 χ^2 /NDF: 49118.8/22

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 $\chi^2/\text{NDF}: 16.5/19$

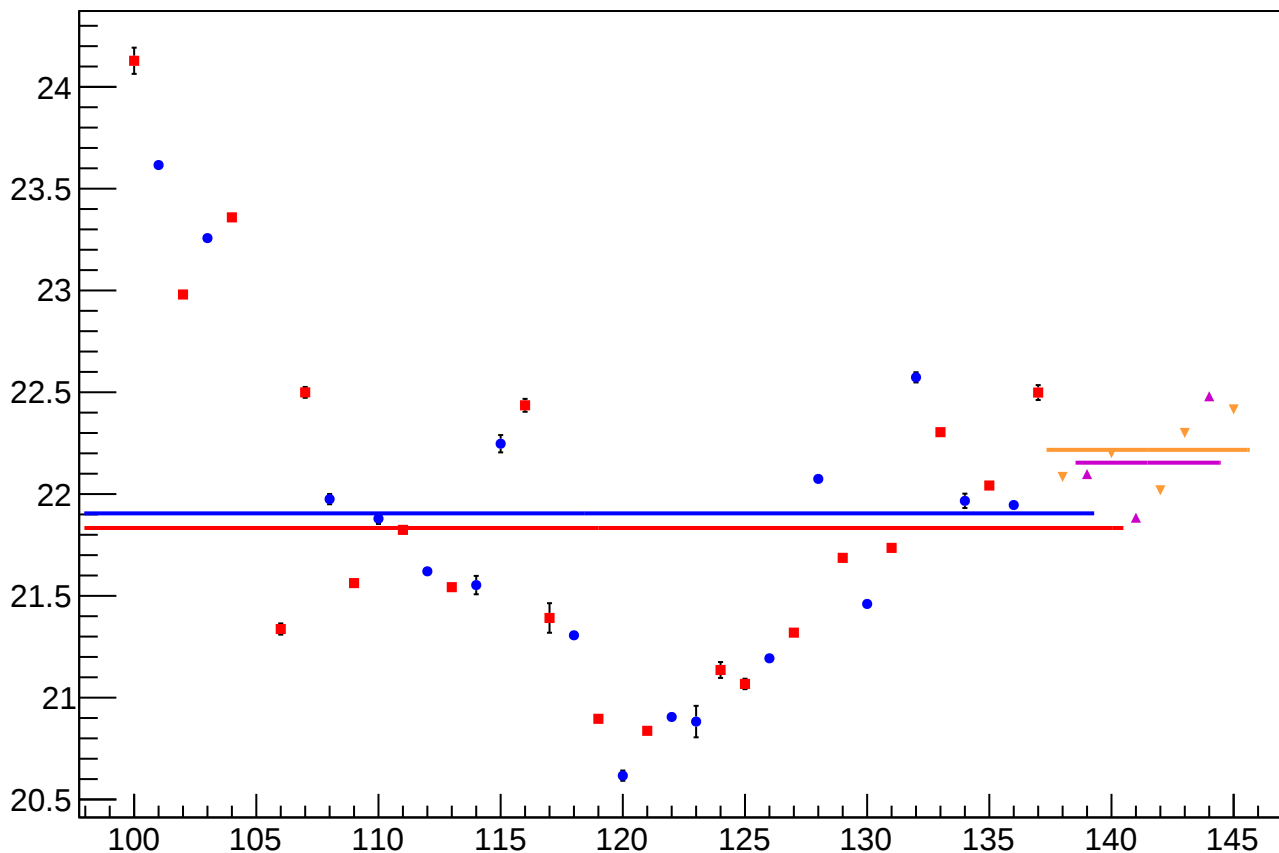
Left In: -24.296 ± 14.353 $\chi^2/\text{NDF}: 1.2/2$

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

-10.451 ± 4.957 $\chi^2/\text{NDF}: 40.7/44$

-14.415 ± 7.082 $\chi^2/\text{NDF}: 18.3/22$

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.905 $\pm$ 0.006 χ^2 /NDF: 17794.2/16

Left Out: 22.217 $\pm$ 0.009 χ^2 /NDF:261.8/4

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

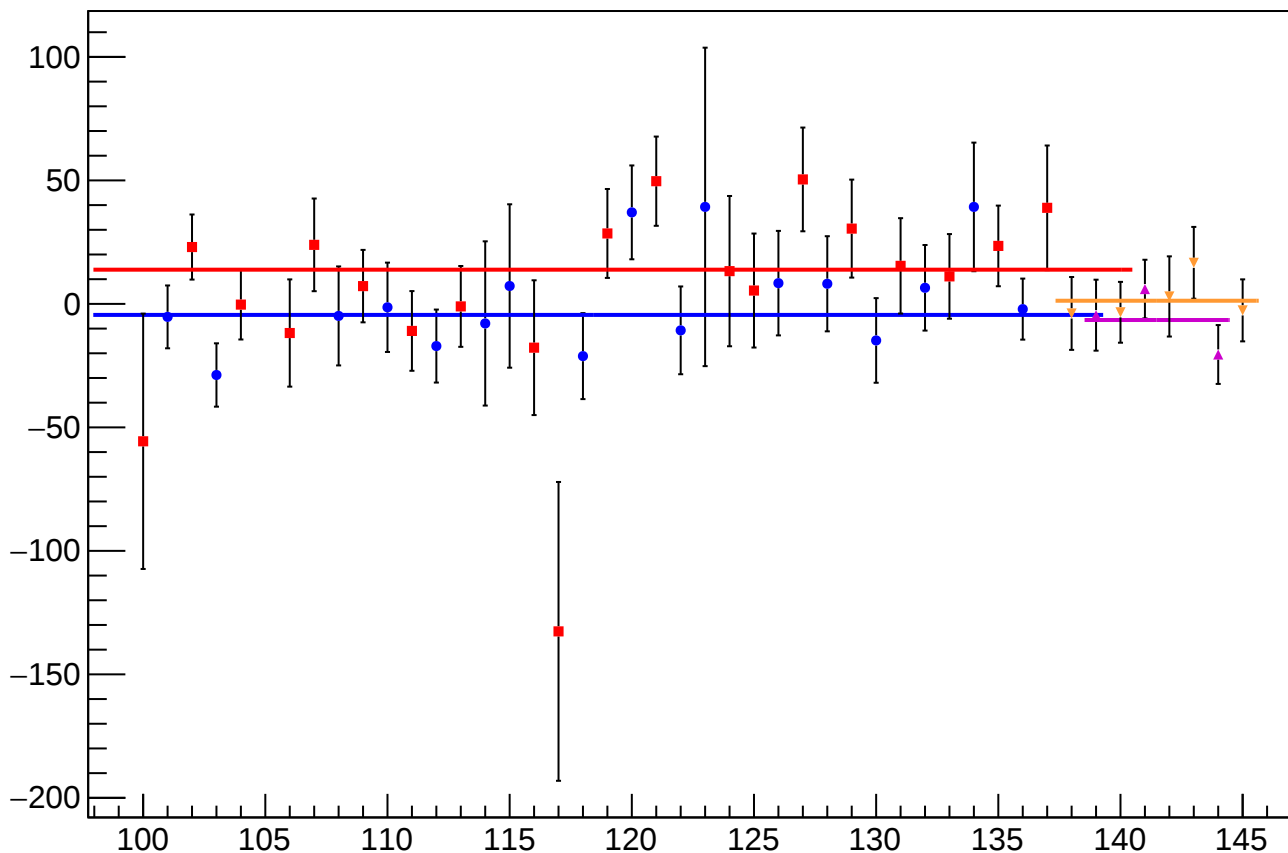
Left In: 22.154 $\pm$ 0.010 χ^2 /NDF:627.3/2

22.006 $\pm$ 0.005 χ^2 /NDF: 18942.0/21

21.960 $\pm$ 0.004 χ^2 /NDF: 36796.5/44

21.911 $\pm$ 0.005 χ^2 /NDF: 17671.2/22

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.461 $\pm$ 4.329 χ^2/NDF : 15.2/16

Left Out: 1.280 $\pm$ 6.194 χ^2/NDF : 1.5/4

Right Out: 13.851 $\pm$ 4.253 χ^2/NDF : 25.4/19

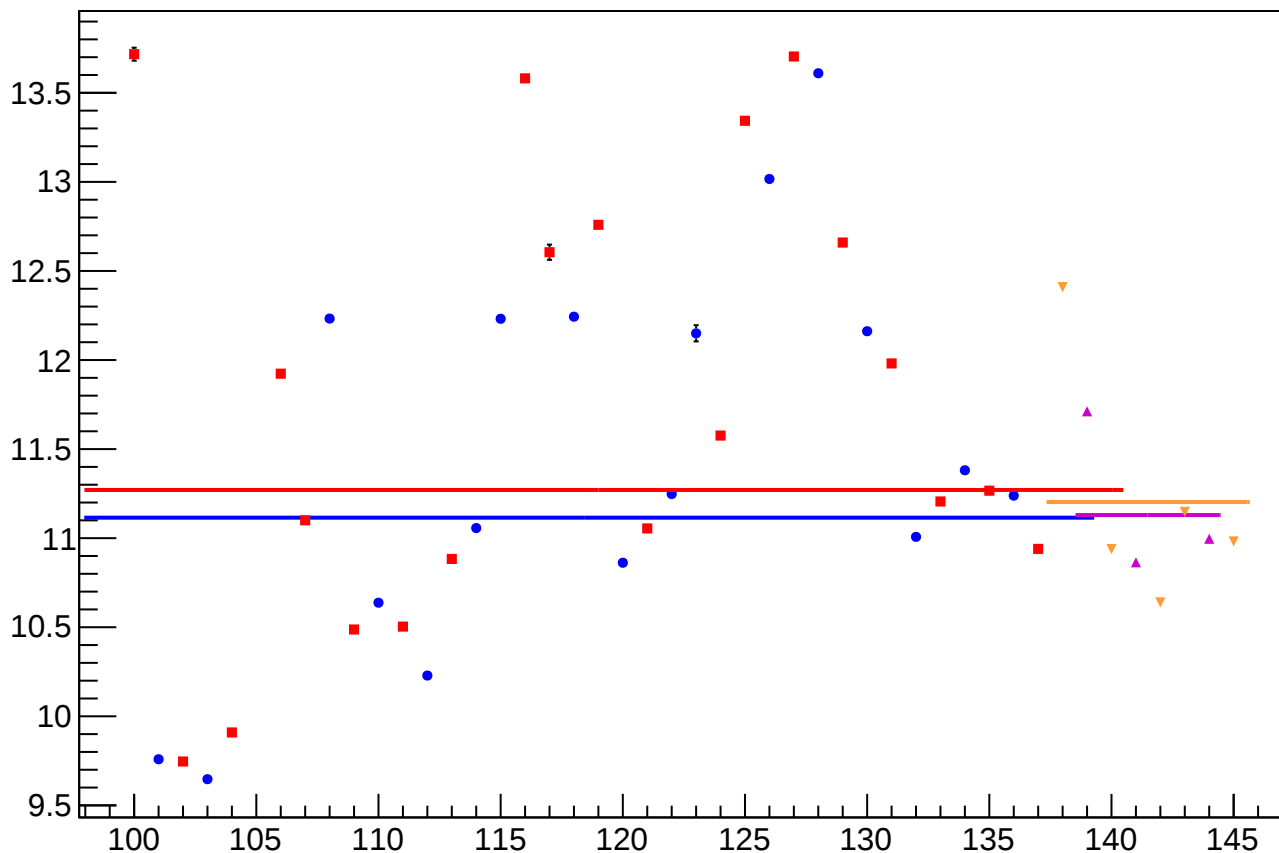
Left In: -6.525 $\pm$ 7.258 χ^2/NDF : 2.5/2

-2.577 $\pm$ 3.548 χ^2/NDF : 17.3/21

2.844 $\pm$ 2.551 χ^2/NDF : 55.9/44

8.642 $\pm$ 3.670 χ^2/NDF : 33.8/22

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.115+/-0.003 χ^2/NDF : 133059.3/16

Left Out: 11.203+/-0.004 χ^2/NDF : 17359.7/4

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

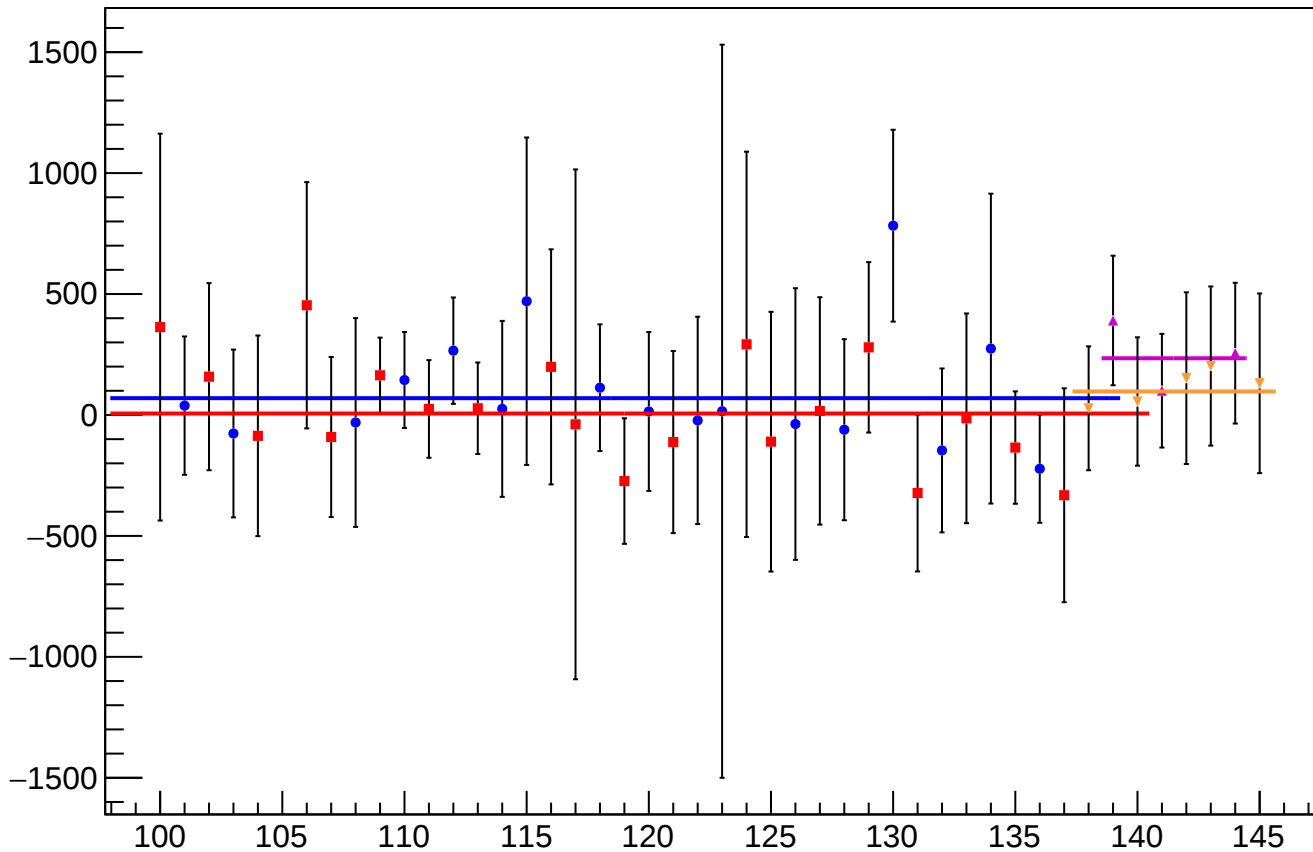
Left In: 11.130+/-0.005 χ^2/NDF : 4534.4/2

11.144+/-0.003 χ^2/NDF : 150689.1/21

11.188+/-0.002 χ^2/NDF : 304877.1/44

11.235+/-0.003 χ^2/NDF : 153556.0/22

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

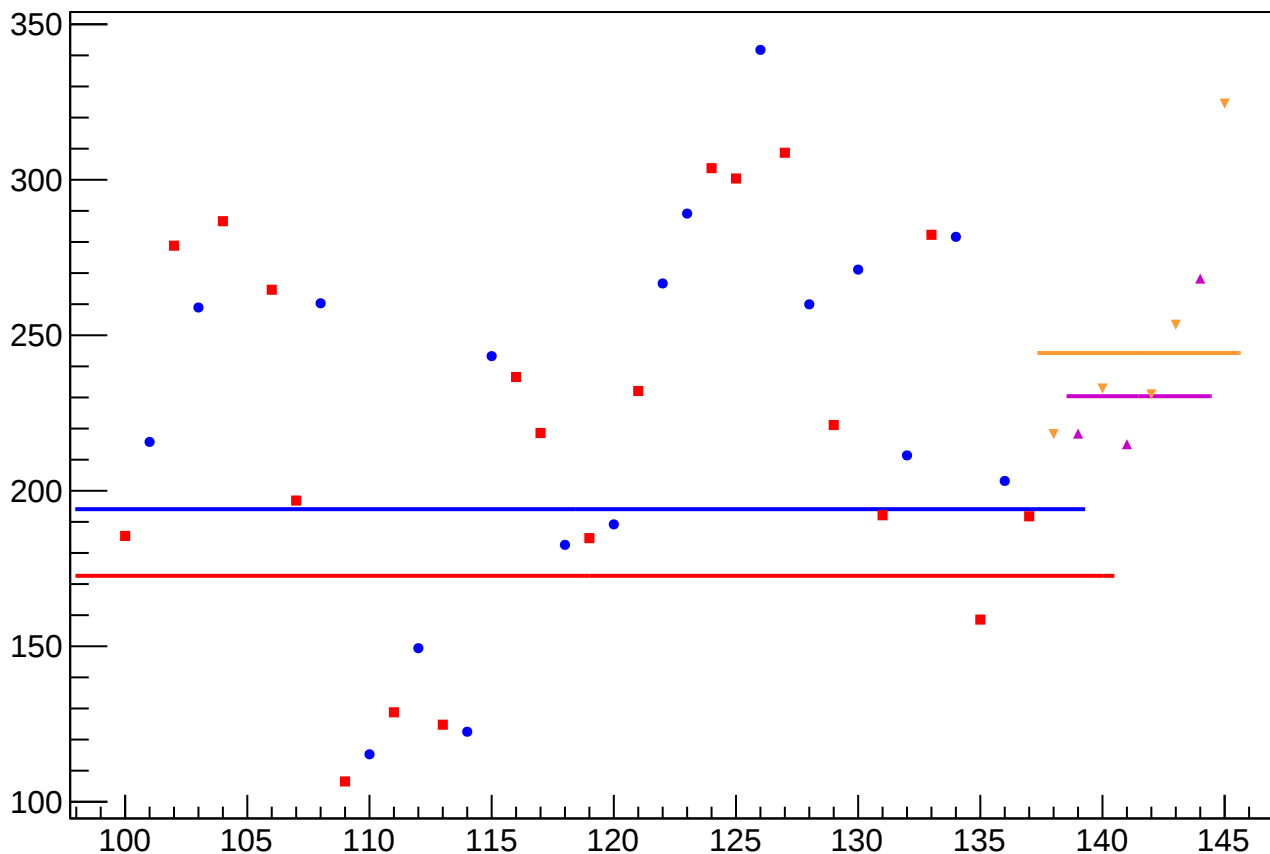
Left In: 234.445 ± 151.019 χ^2/NDF : 0.7/2

76.493 ± 68.491 χ^2/NDF : 7.5/21

60.330 ± 46.577 χ^2/NDF : 16.7/44

46.423 ± 63.530 χ^2/NDF : 9.0/22

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

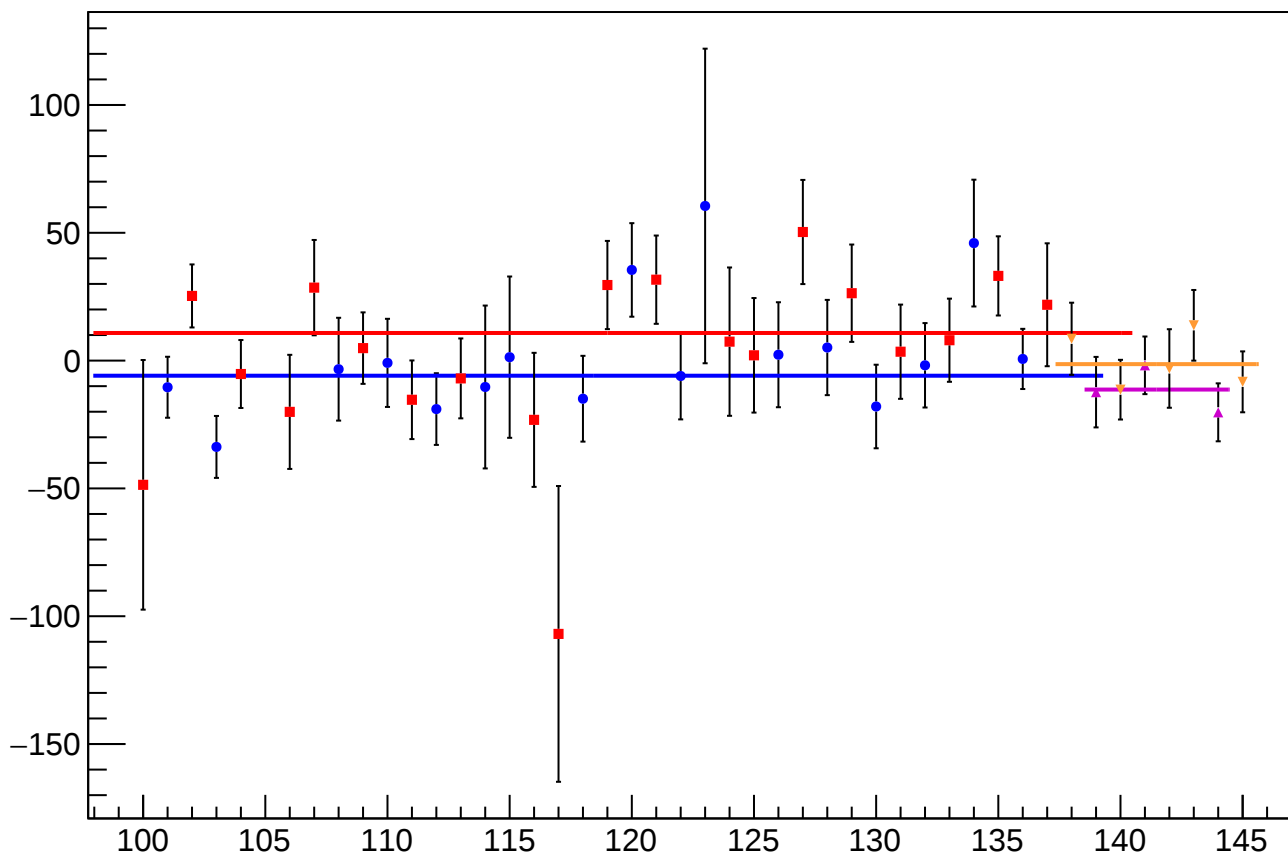
Left In: 230.406 $\pm$ 0.107 χ^2/NDF : 46460.7/2

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

193.928 $\pm$ 0.033 χ^2/NDF : 3321778.3/44

182.875 $\pm$ 0.045 χ^2/NDF : 1860447.8/22

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.912 $\pm$ 4.133 χ^2/NDF : 18.8/16

Left Out: -1.381 $\pm$ 5.885 χ^2/NDF : 2.8/4

Right Out: 10.806 $\pm$ 4.068 χ^2/NDF : 27.0/19

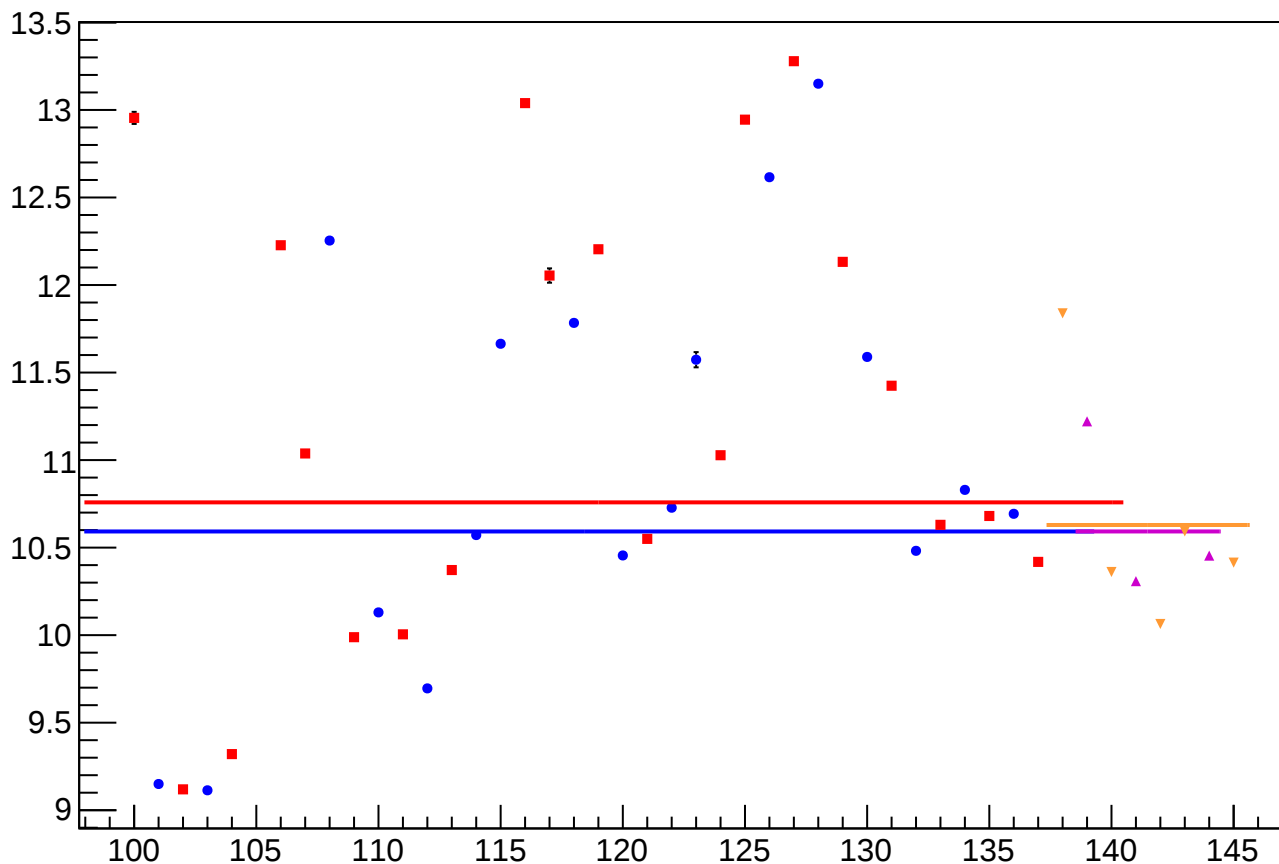
Left In: -11.329 $\pm$ 6.915 χ^2/NDF : 1.3/2

-4.416 $\pm$ 3.382 χ^2/NDF : 22.0/21

0.178 $\pm$ 2.434 χ^2/NDF : 61.8/44

5.115 $\pm$ 3.507 χ^2/NDF : 36.0/22

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

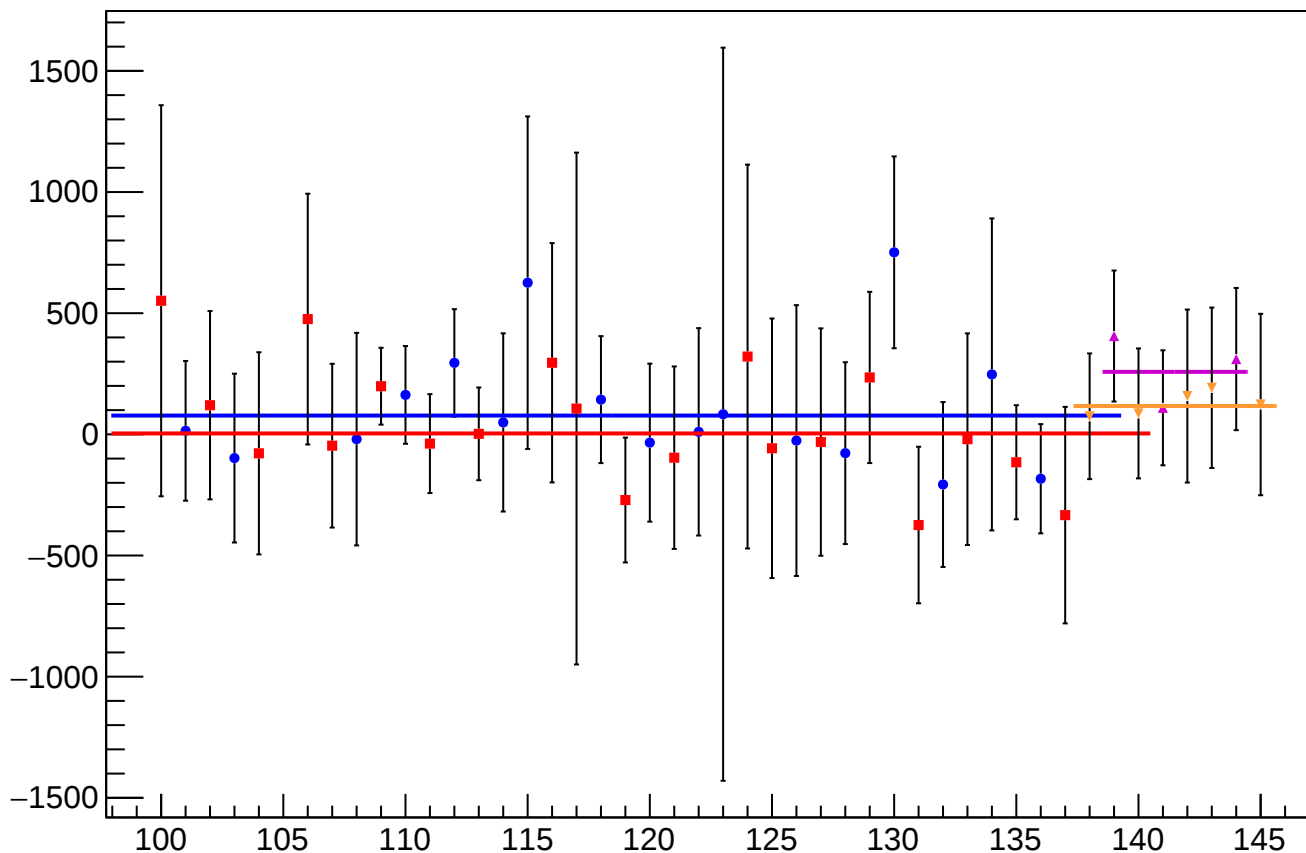
Left In: 10.592 $\pm$ 0.005 χ^2 /NDF:5727.6/2

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

10.658 $\pm$ 0.002 χ^2 /NDF: 365093.4/44

10.716 $\pm$ 0.002 χ^2 /NDF: 184488.4/22

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

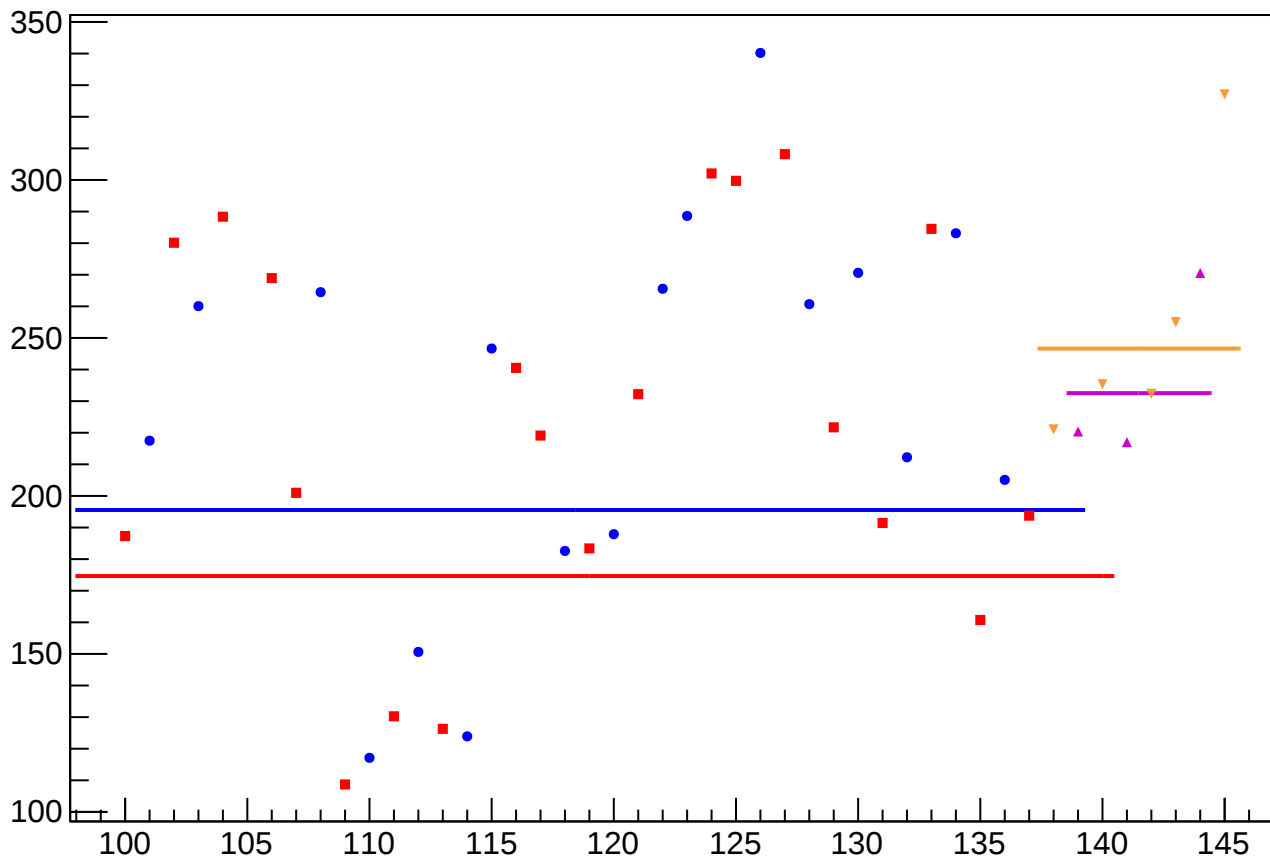
Left In: 257.952 $\pm$ 152.394 χ^2 /NDF: 0.7/2

87.492 $\pm$ 68.988 χ^2 /NDF: 7.7/21

66.727 $\pm$ 46.971 χ^2 /NDF: 18.3/44

48.782 $\pm$ 64.131 χ^2 /NDF: 10.4/22

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

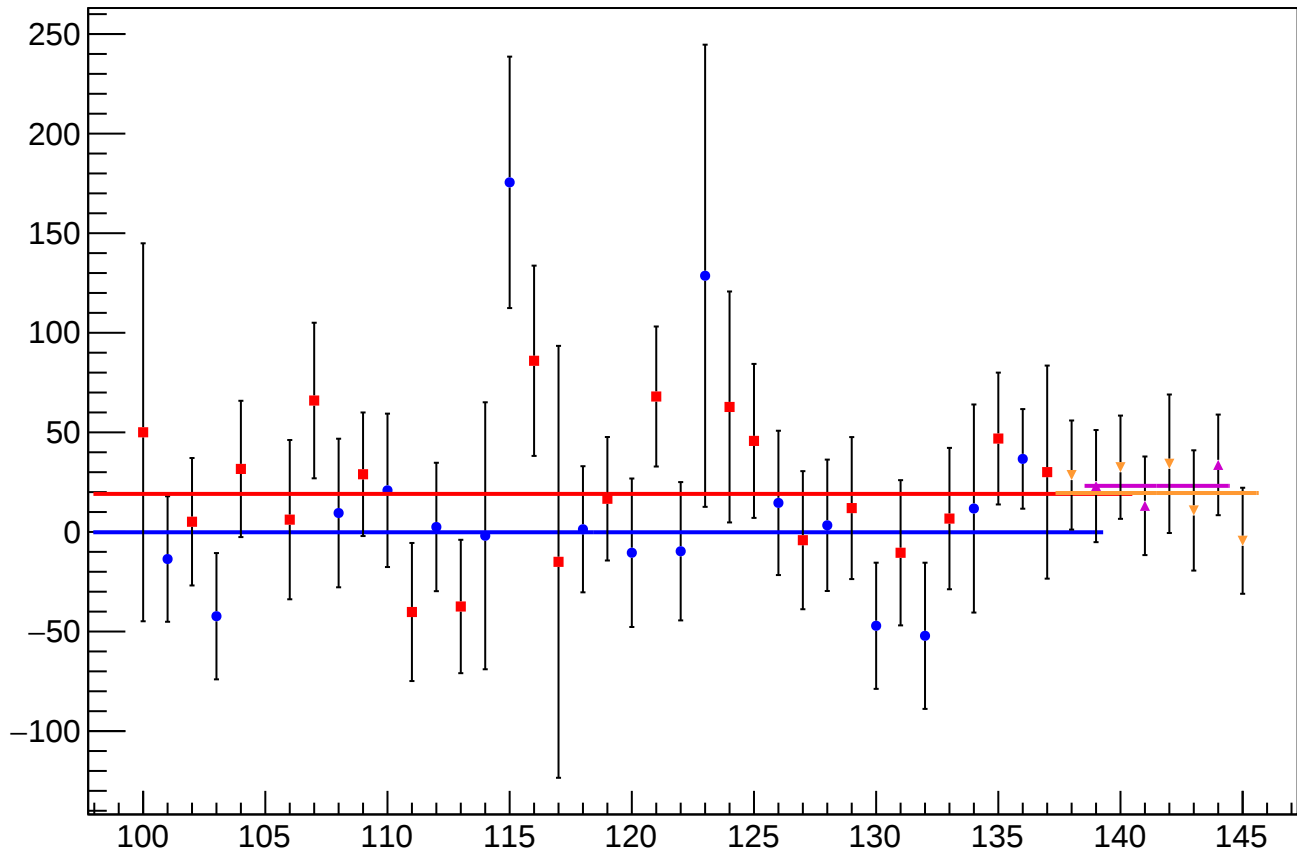
Left In: 232.539 $\pm$ 0.108 χ^2 /NDF: 46155.9/2

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

195.800 $\pm$ 0.033 χ^2 /NDF: 3246887.2/44

184.901 $\pm$ 0.045 χ^2 /NDF: 1815836.8/22

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 $\chi^2/\text{NDF}: 14.9/19$

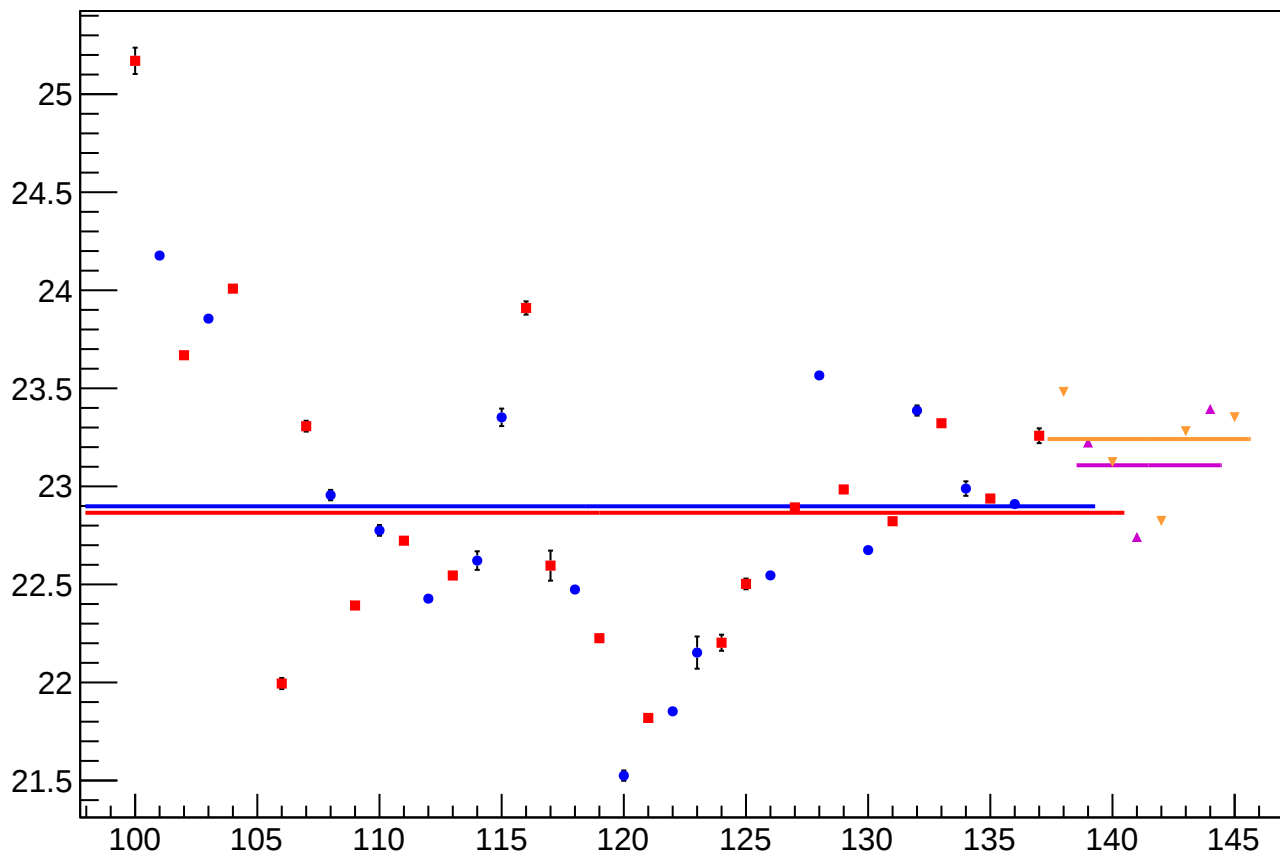
Left In: 23.144 ± 14.971 $\chi^2/\text{NDF}: 0.3/2$

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

13.017 ± 5.184 $\chi^2/\text{NDF}: 38.2/44$

20.094 ± 7.410 $\chi^2/\text{NDF}: 15.3/22$

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

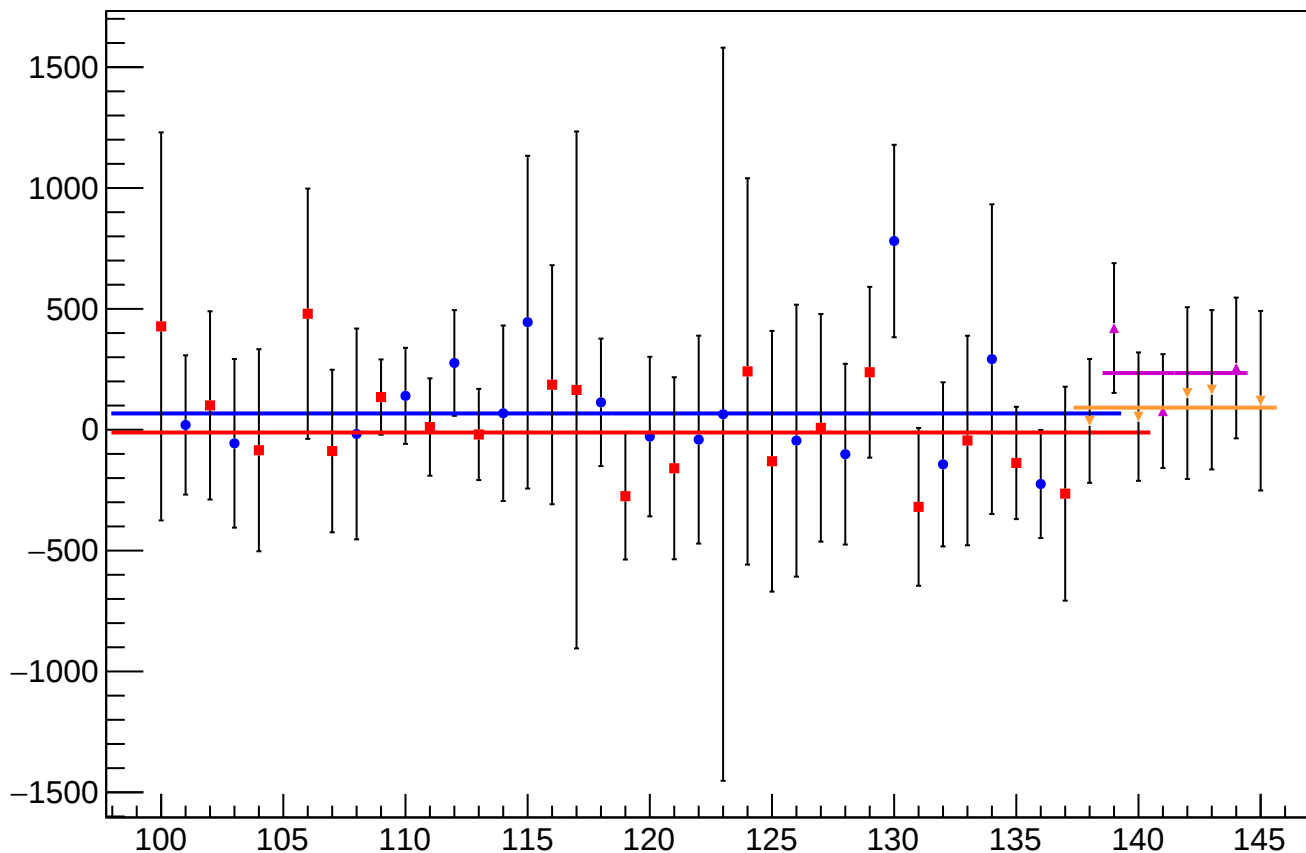
Left In: 23.108 $\pm$ 0.011 χ^2 /NDF: 728.9/2

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

22.968 $\pm$ 0.004 χ^2 /NDF: 25962.5/44

22.925 $\pm$ 0.005 χ^2 /NDF: 12185.3/22

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.449 $\pm$ 79.404 χ^2 /NDF: 7.4/16

Left Out: 91.484 $\pm$ 136.348 χ^2 /NDF: 0.2/4

Right Out: -11.355 $\pm$ 70.203 χ^2 /NDF: 5.8/19

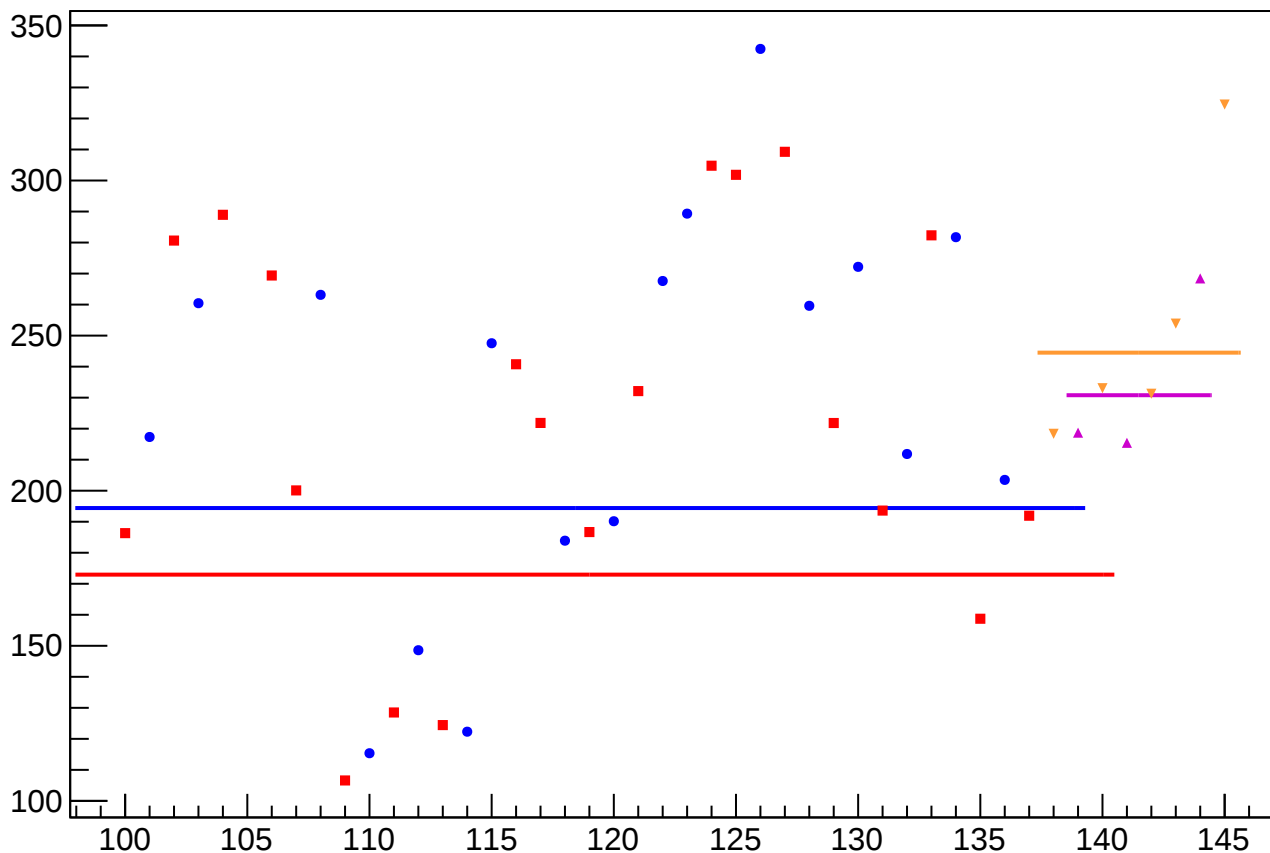
Left In: 234.510 $\pm$ 151.255 χ^2 /NDF: 0.9/2

73.536 $\pm$ 68.617 χ^2 /NDF: 7.6/21

51.339 $\pm$ 46.676 χ^2 /NDF: 16.6/44

32.222 $\pm$ 63.679 χ^2 /NDF: 8.9/22

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

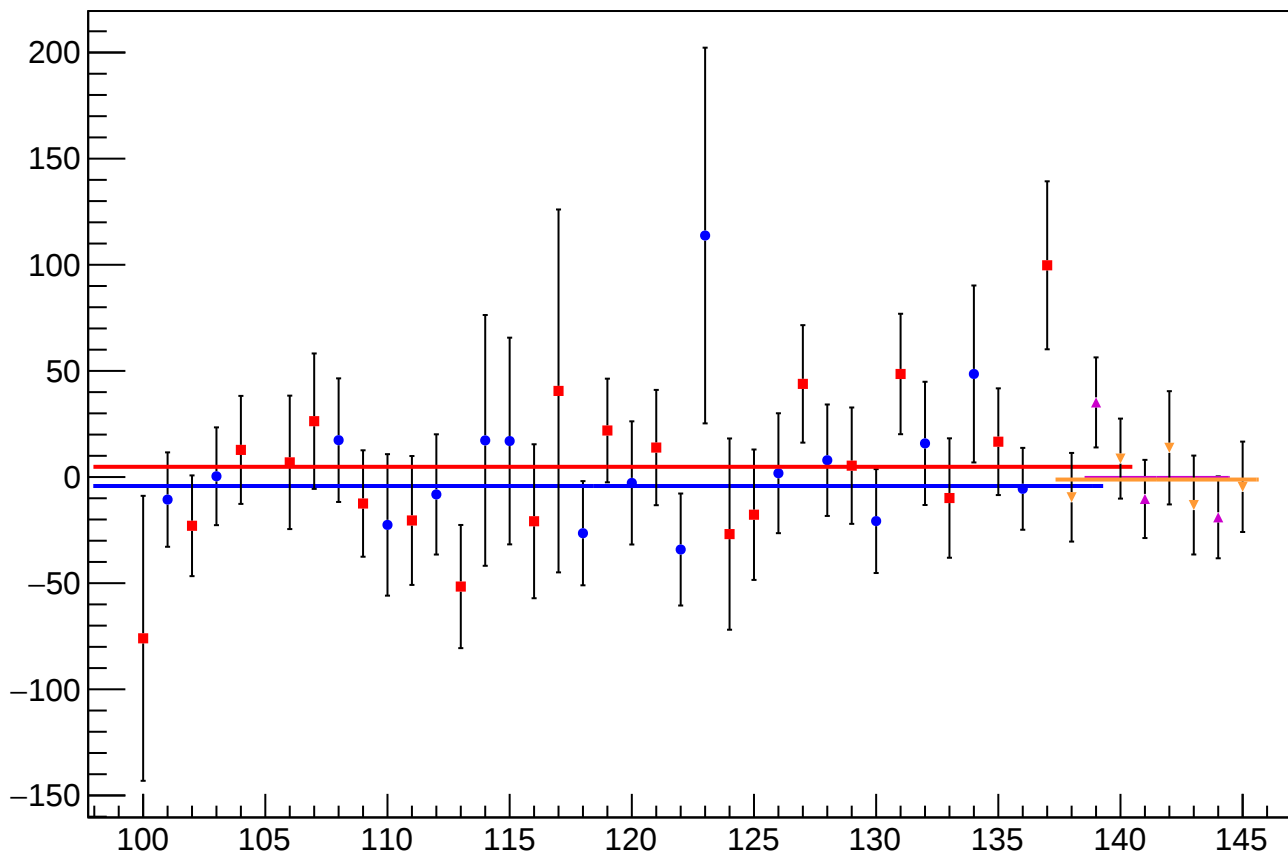
Left In: 230.784 $\pm$ 0.107 χ^2 /NDF:45983.2/2

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

194.255 $\pm$ 0.033 χ^2 /NDF: 3361247.3/44

183.194 $\pm$ 0.045 χ^2 /NDF: 1887587.7/22

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

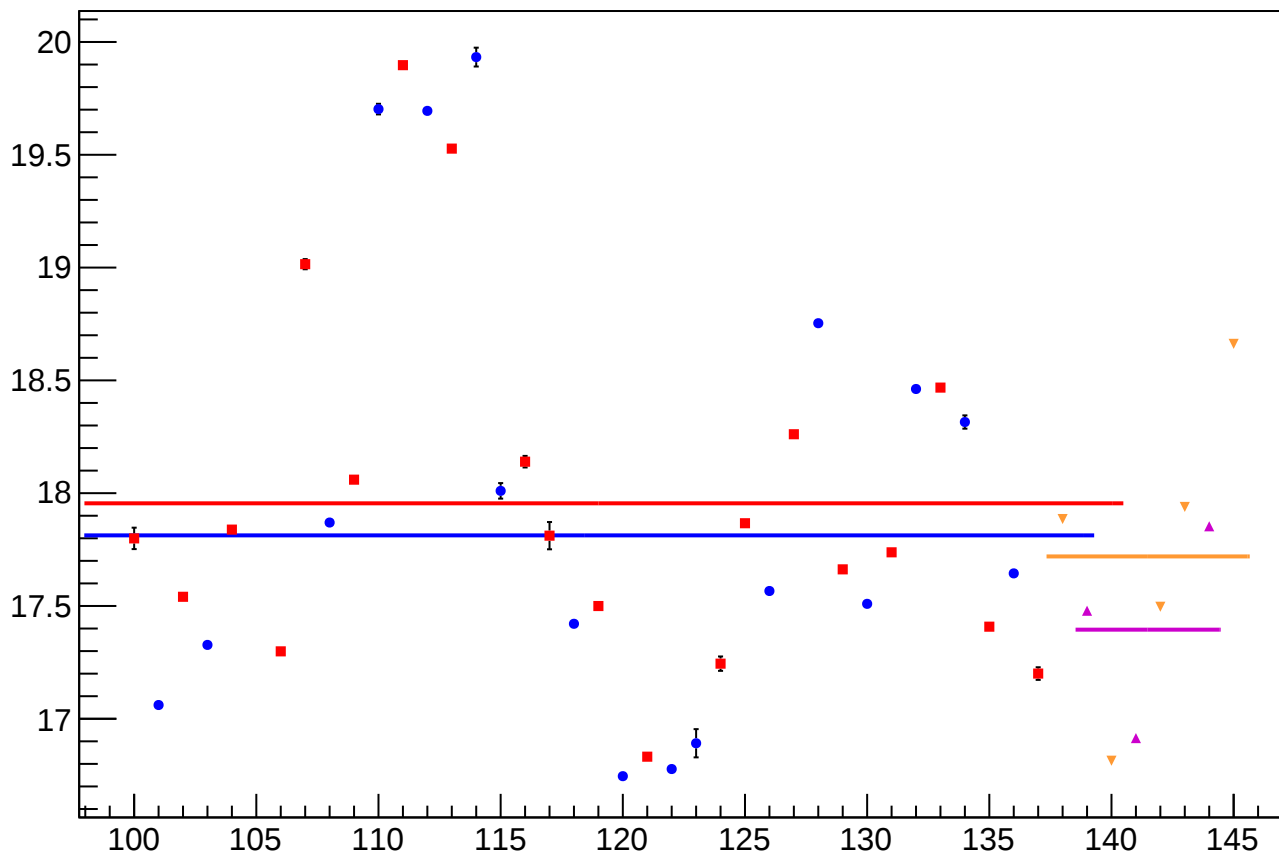
Left In: -0.417 ± 11.280 χ^2/NDF : 4.0/2

-3.210 ± 5.613 χ^2/NDF : 9.1/21

0.033 ± 4.021 χ^2/NDF : 35.2/44

3.453 ± 5.763 χ^2/NDF : 25.4/22

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.813 ± 0.005 $\chi^2/\text{NDF}: 32034.8/16$

Left Out: 17.720 ± 0.007 $\chi^2/\text{NDF}: 8977.0/4$

Right Out: 17.955 ± 0.005 $\chi^2/\text{NDF}: 25451.0/19$

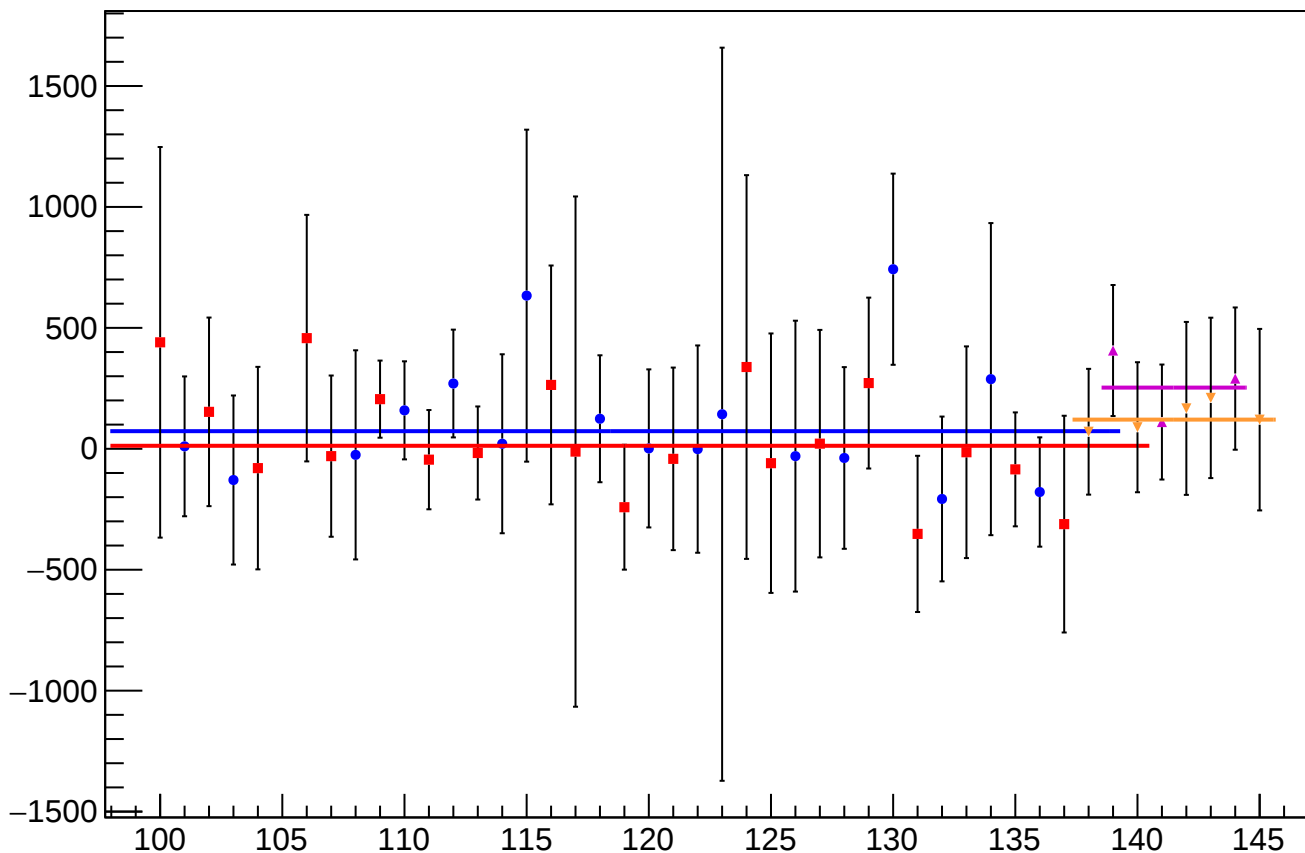
Left In: 17.395 ± 0.008 $\chi^2/\text{NDF}: 2522.2/2$

17.782 ± 0.004 $\chi^2/\text{NDF}: 41134.6/21$

17.795 ± 0.003 $\chi^2/\text{NDF}: 72773.5/44$

17.809 ± 0.004 $\chi^2/\text{NDF}: 31616.4/22$

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

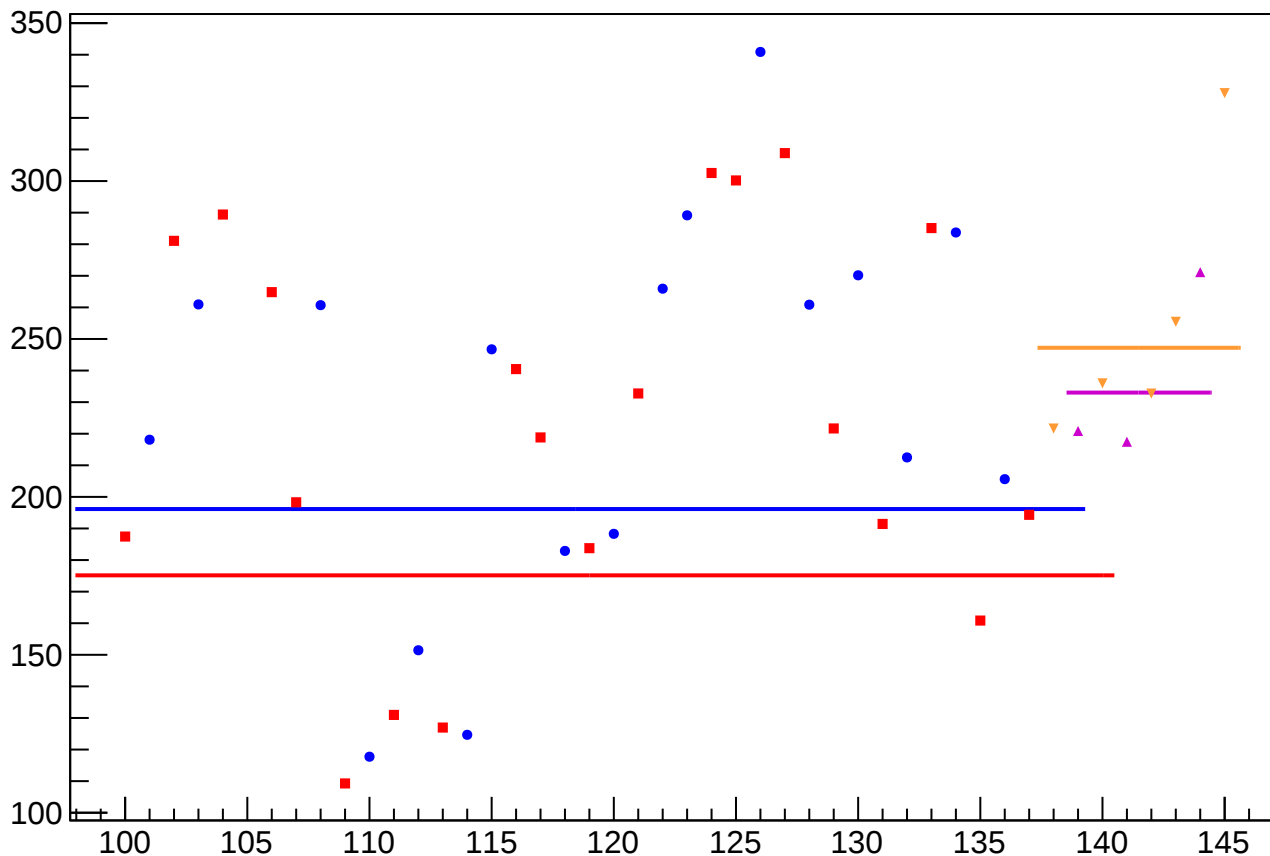
Left In: 253.023 $\pm$ 152.713 χ^2 /NDF: 0.7/2

84.920 $\pm$ 69.155 χ^2 /NDF: 7.4/21

68.903 $\pm$ 47.079 χ^2 /NDF: 17.0/44

55.068 $\pm$ 64.272 χ^2 /NDF: 9.5/22

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

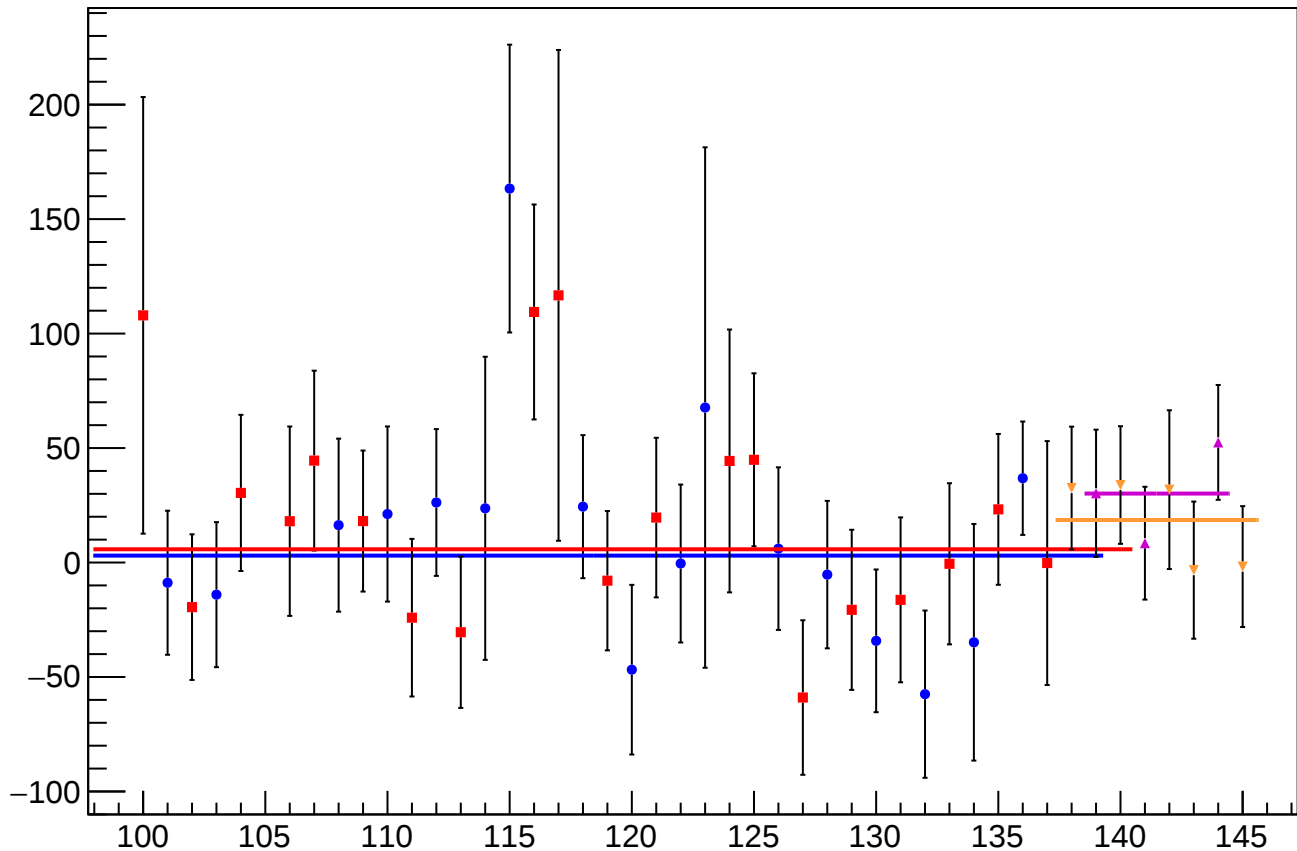
Left In: 233.024 $\pm$ 0.108 χ^2 /NDF:46233.1/2

209.007 $\pm$ 0.049 χ^2 /NDF: 1290096.8/21

196.347 $\pm$ 0.033 χ^2 /NDF: 3211908.8/44

185.412 $\pm$ 0.045 χ^2 /NDF: 1796890.3/22

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.022 ± 8.751 χ^2/NDF : 17.2/16

Left Out: 18.574 ± 12.612 χ^2/NDF : 1.9/4

Right Out: 5.786 ± 8.451 χ^2/NDF : 18.3/19

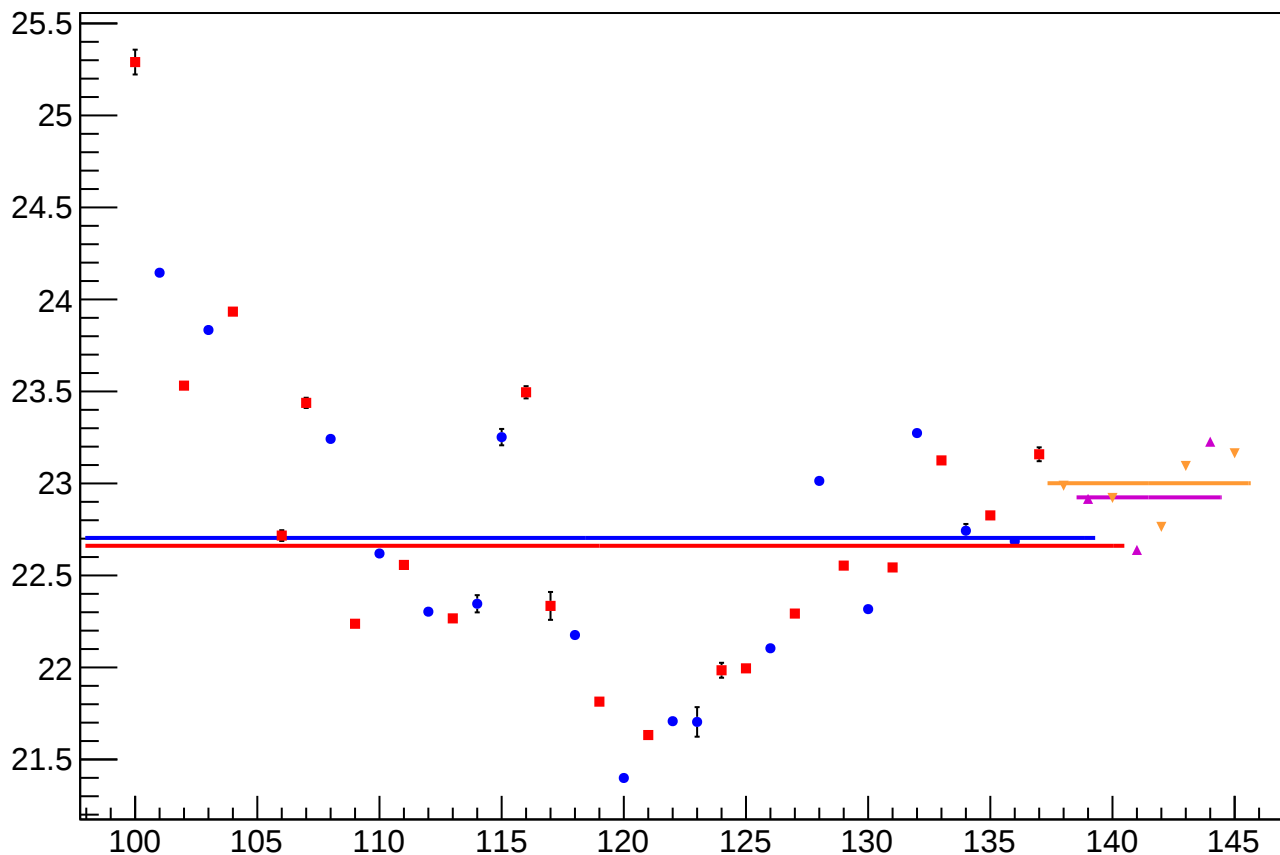
Left In: 30.121 ± 14.851 χ^2/NDF : 1.6/2

8.076 ± 7.190 χ^2/NDF : 20.1/21

9.868 ± 5.138 χ^2/NDF : 42.1/44

11.738 ± 7.345 χ^2/NDF : 21.9/22

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 23.001 ± 0.009 χ^2/NDF : 209.0/4

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

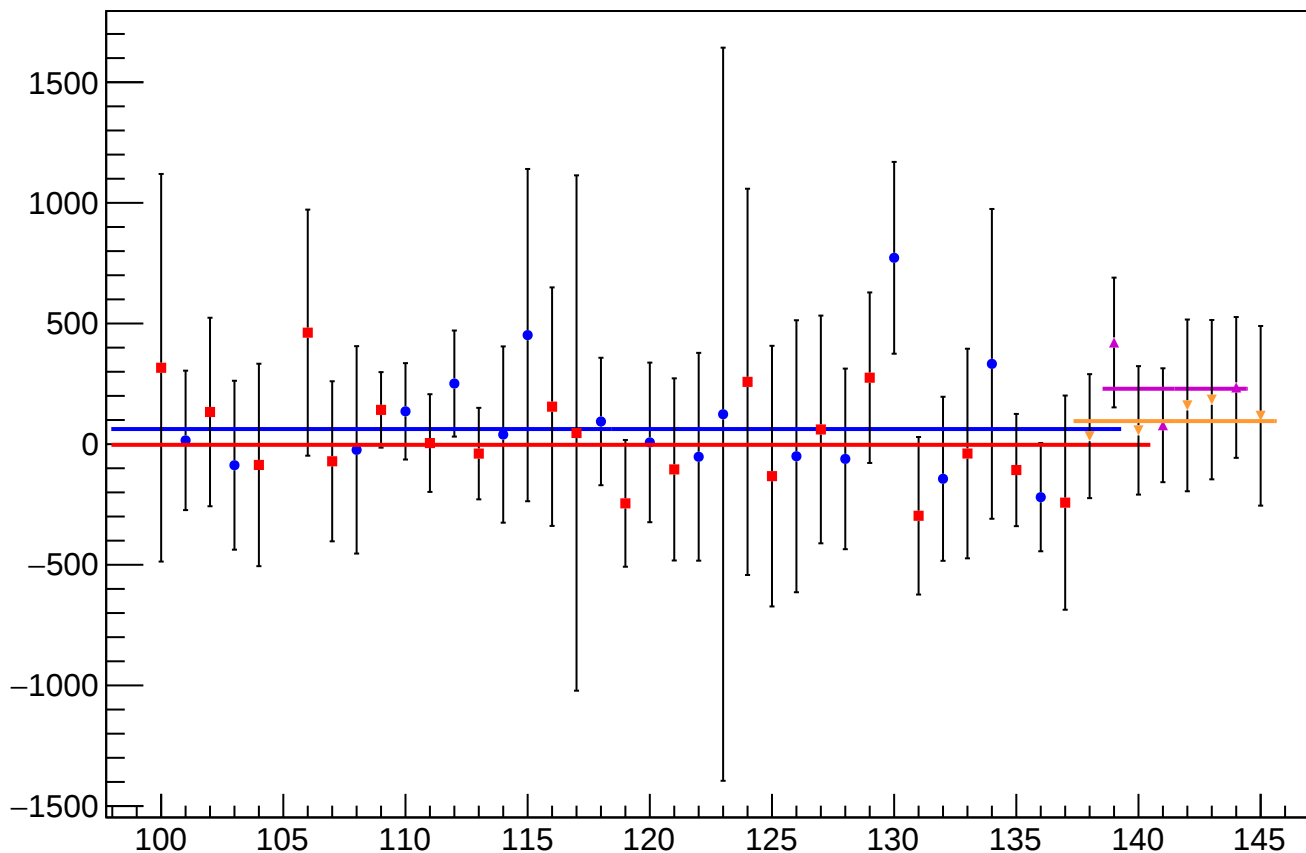
Left In: 22.924 ± 0.011 χ^2/NDF : 560.1/2

22.801 ± 0.005 χ^2/NDF : 15064.7/21

22.764 ± 0.004 χ^2/NDF : 29167.8/44

22.726 ± 0.005 χ^2/NDF : 13996.6/22

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 62.573+/-79.605 χ^2/NDF : 7.0/16

Left Out: 95.507+/-136.660 χ^2/NDF : 0.2/4

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

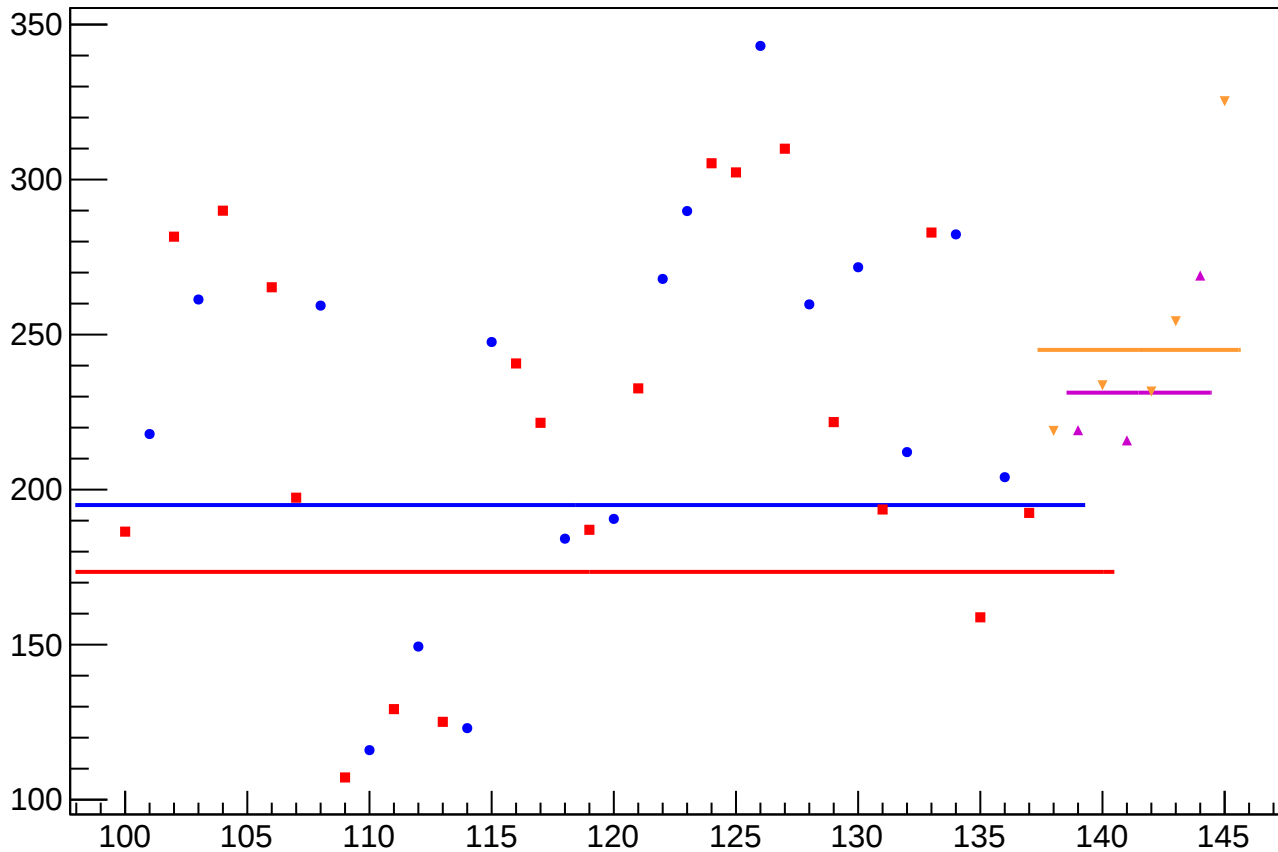
Left In: 229.589+/-151.575 χ^2/NDF : 0.9/2

70.917+/-68.786 χ^2/NDF : 7.3/21

53.433+/-46.786 χ^2/NDF : 15.5/44

38.381+/-63.823 χ^2/NDF : 8.1/22

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 245.069 $\pm$ 0.097 χ^2 /NDF:121573.9/4

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

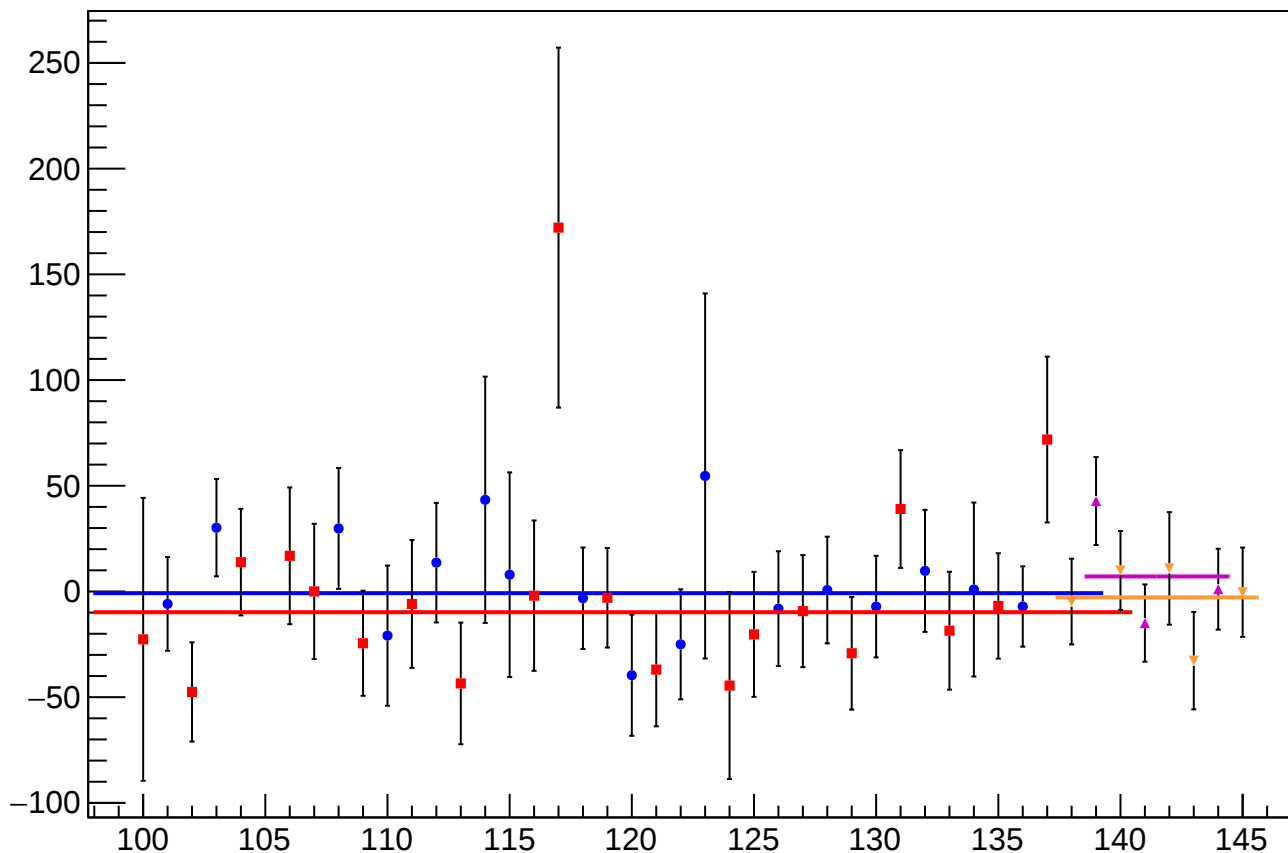
Left In: 231.272 $\pm$ 0.107 χ^2 /NDF:46057.6/2

207.701 $\pm$ 0.049 χ^2 /NDF: 1326134.9/21

194.814 $\pm$ 0.033 χ^2 /NDF: 3324379.9/44

183.719 $\pm$ 0.045 χ^2 /NDF: 1867602.0/22

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

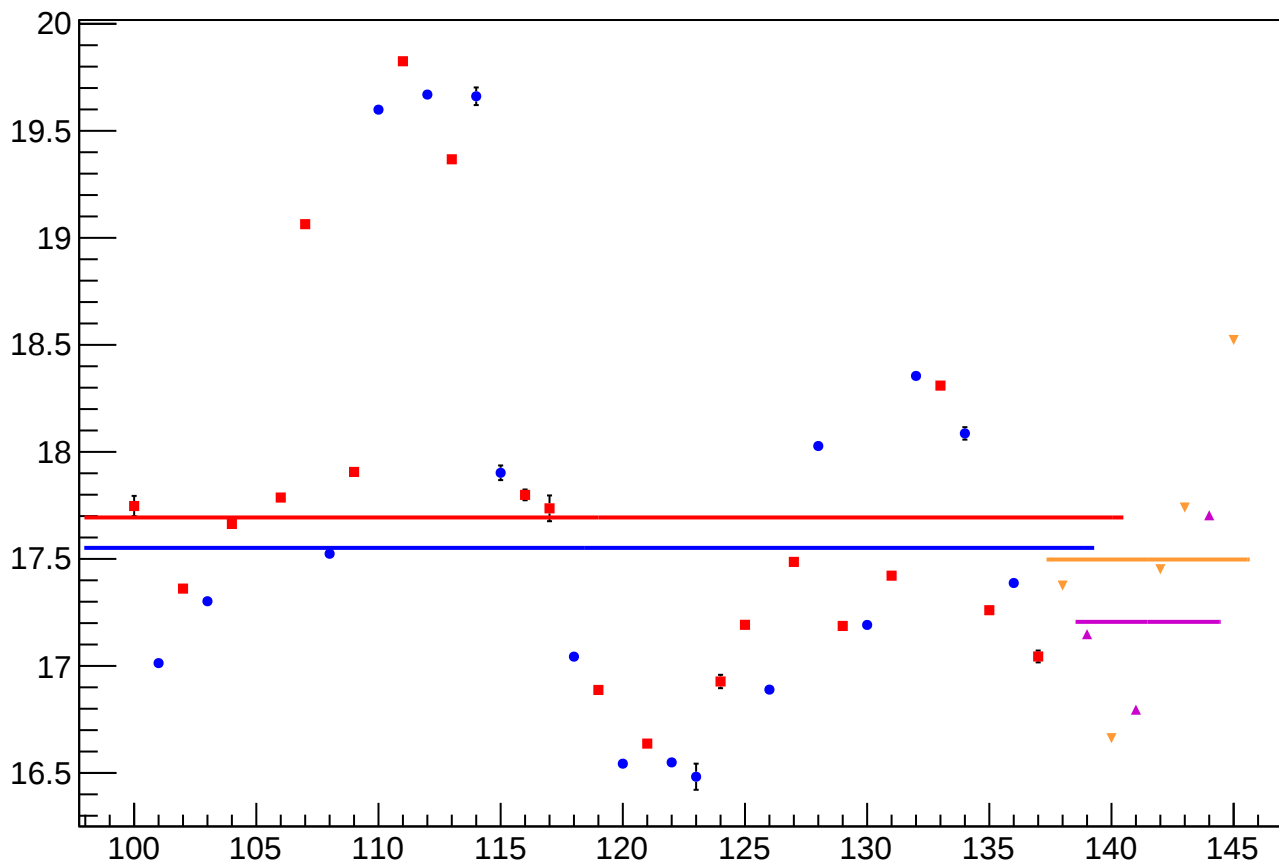
Left In: 7.107 ± 11.155 χ^2/NDF : 4.5/2

-1.460 ± 5.534 χ^2/NDF : 10.2/21

-3.385 ± 3.965 χ^2/NDF : 37.2/44

-5.417 ± 5.684 χ^2/NDF : 26.7/22

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

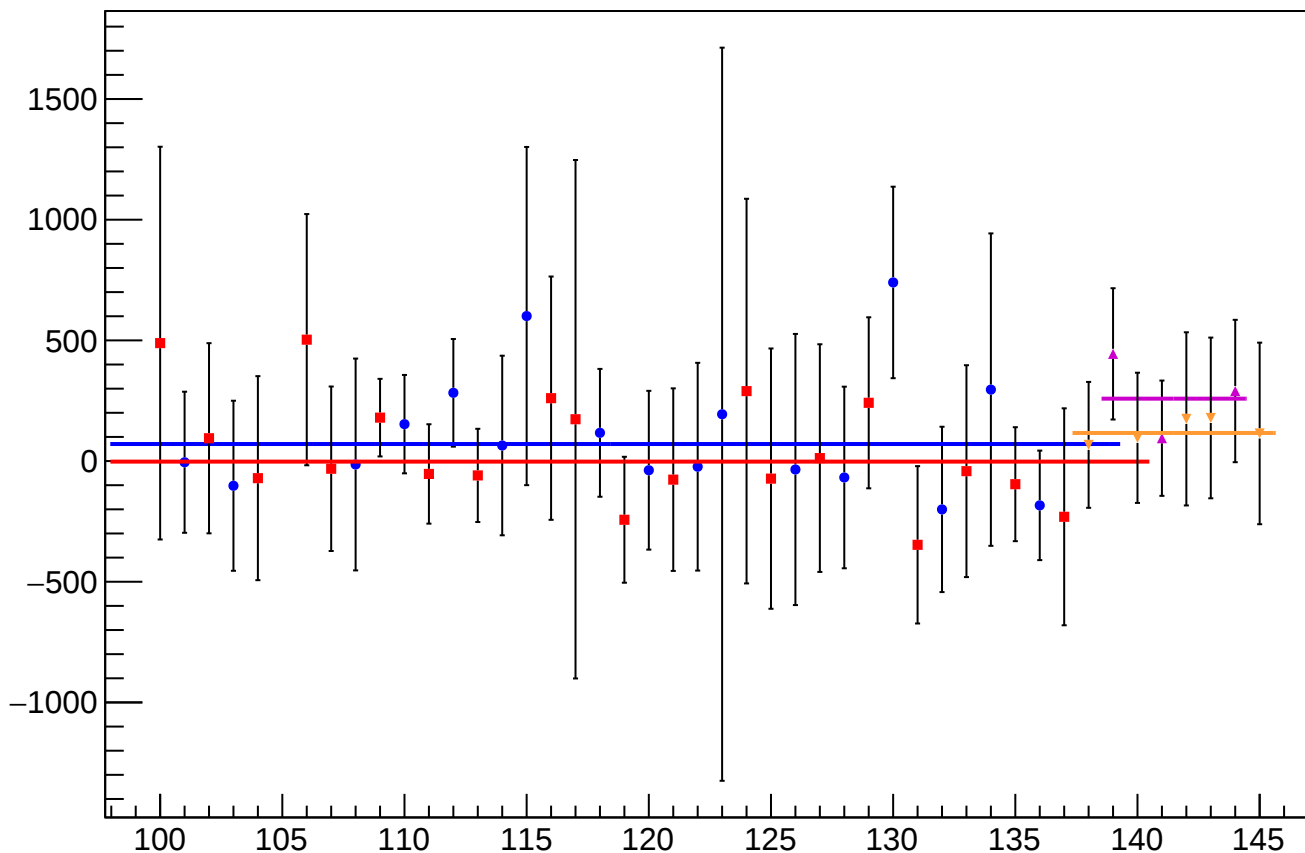
Left In: 17.206 $\pm$ 0.008 χ^2 /NDF: 2377.4/2

17.533 $\pm$ 0.004 χ^2 /NDF: 43078.1/21

17.550 $\pm$ 0.003 χ^2 /NDF: 79063.9/44

17.567 $\pm$ 0.004 χ^2 /NDF: 35950.1/22

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 70.634+/-80.409 χ^2/NDF : 7.2/16

Left Out: 116.428+/-138.266 χ^2/NDF : 0.1/4

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

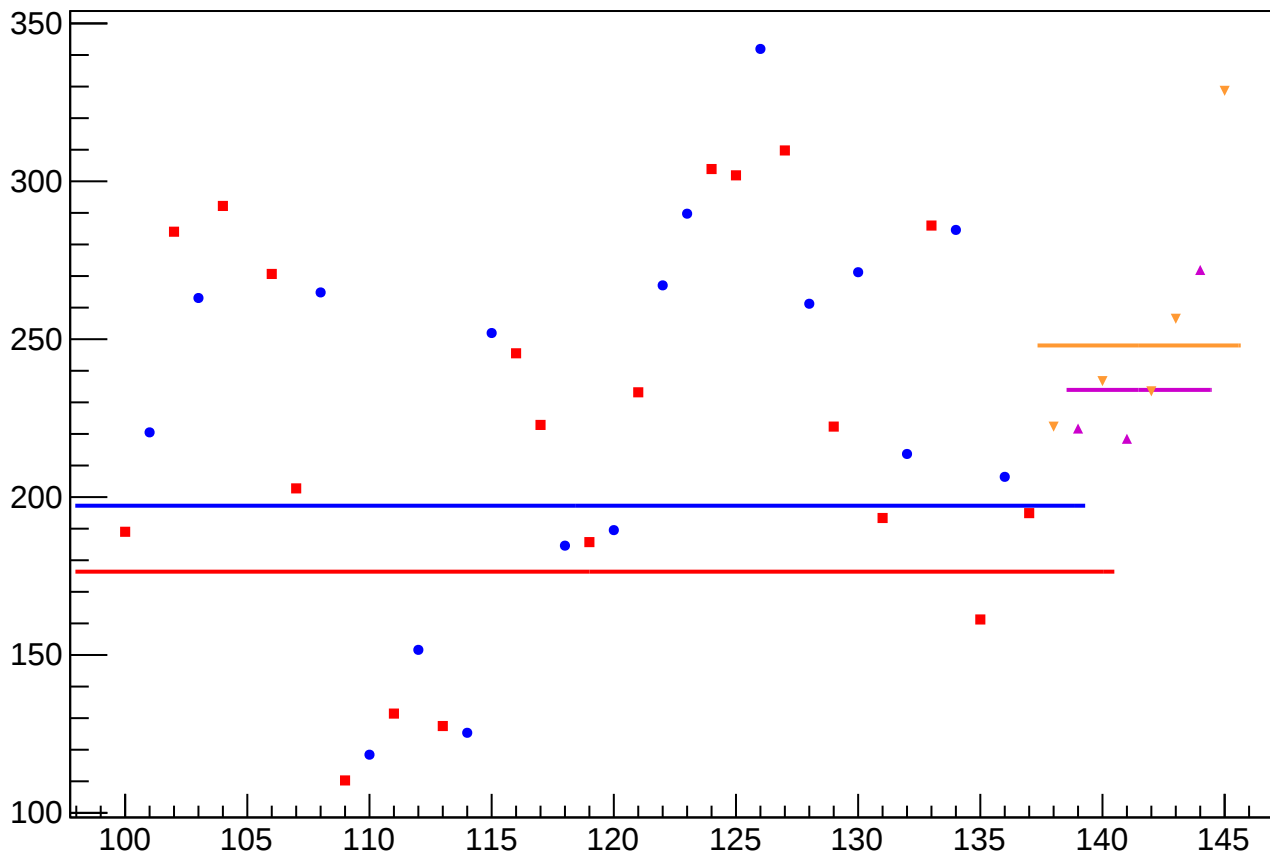
Left In: 258.583+/-153.304 χ^2/NDF : 0.9/2

82.208+/-69.509 χ^2/NDF : 7.4/21

61.819+/-47.354 χ^2/NDF : 17.1/44

44.161+/-64.687 χ^2/NDF : 9.5/22

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

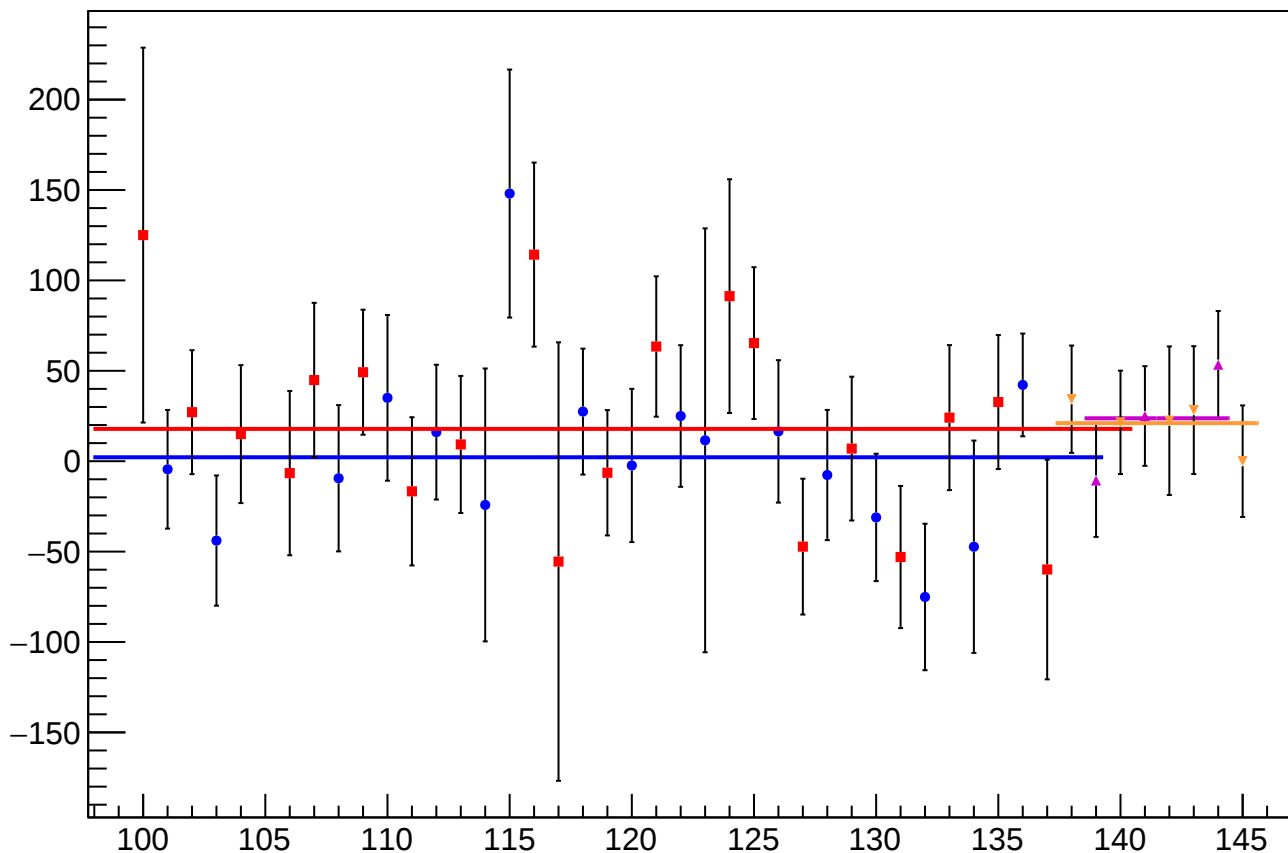
Left In: 233.947 $\pm$ 0.108 χ^2 /NDF:45612.5/2

210.096 $\pm$ 0.049 χ^2 /NDF: 1290291.7/21

197.524 $\pm$ 0.033 χ^2 /NDF: 3213230.3/44

186.635 $\pm$ 0.046 χ^2 /NDF: 1800834.0/22

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.178+/-9.825 χ^2/NDF : 15.4/16

Left Out: 21.053+/-14.432 χ^2/NDF : 0.7/4

Right Out: 17.869+/-9.468 χ^2/NDF : 20.0/19

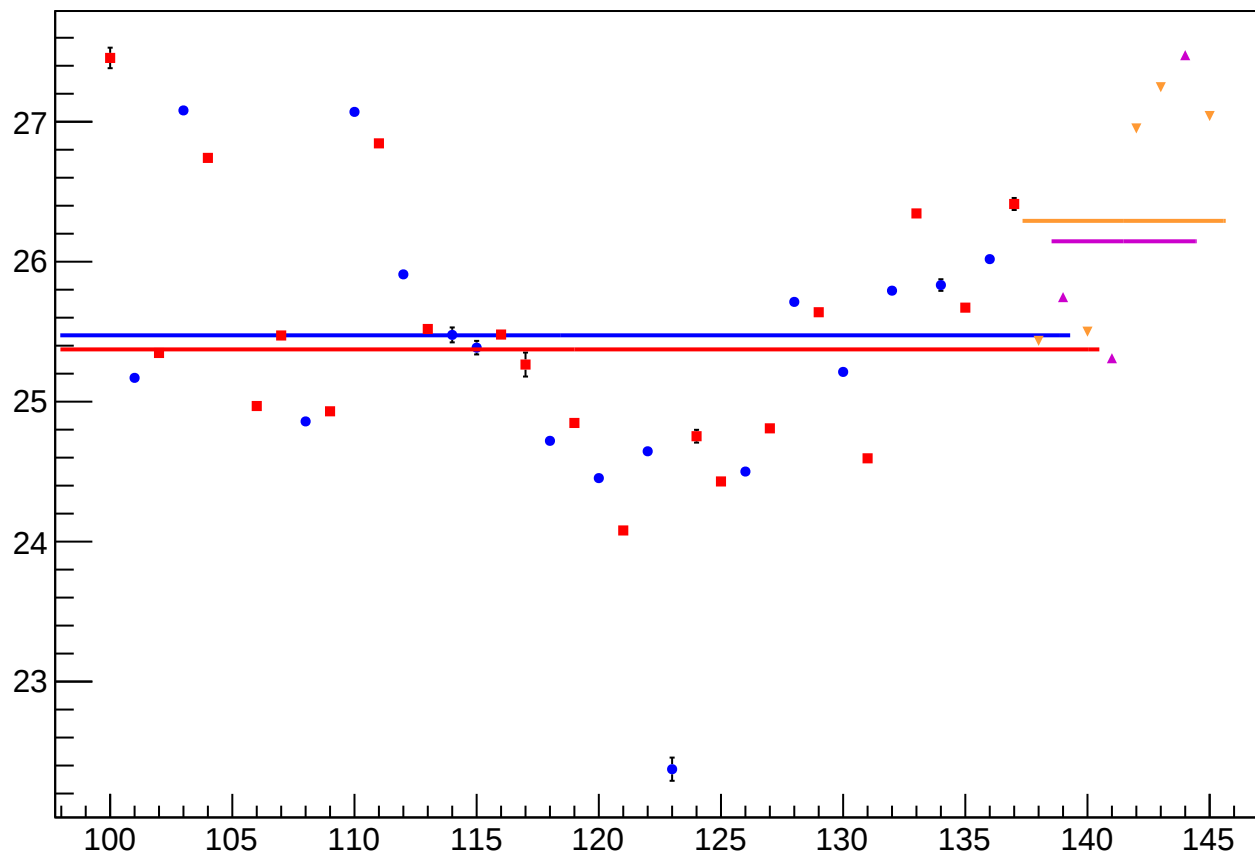
Left In: 23.743+/-16.963 χ^2/NDF : 2.2/2

8.155+/-8.122 χ^2/NDF : 17.2/21

13.611+/-5.794 χ^2/NDF : 40.4/44

19.265+/-8.267 χ^2/NDF : 22.3/22

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

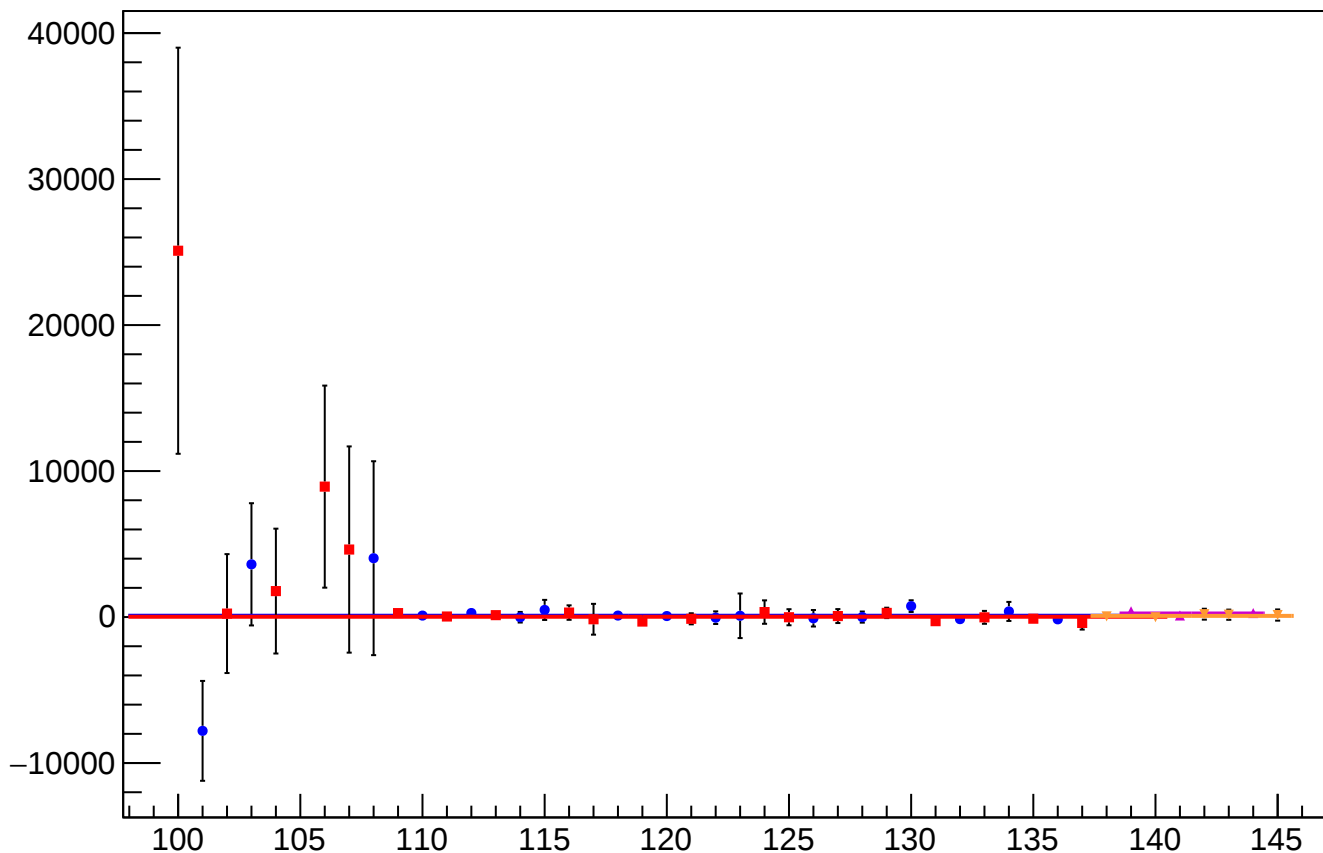
Left In: 26.146 $\pm$ 0.012 χ^2 /NDF: 6173.5/2

25.733 $\pm$ 0.006 χ^2 /NDF: 24806.6/21

25.646 $\pm$ 0.004 χ^2 /NDF: 48186.5/44

25.557 $\pm$ 0.006 χ^2 /NDF: 22917.8/22

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

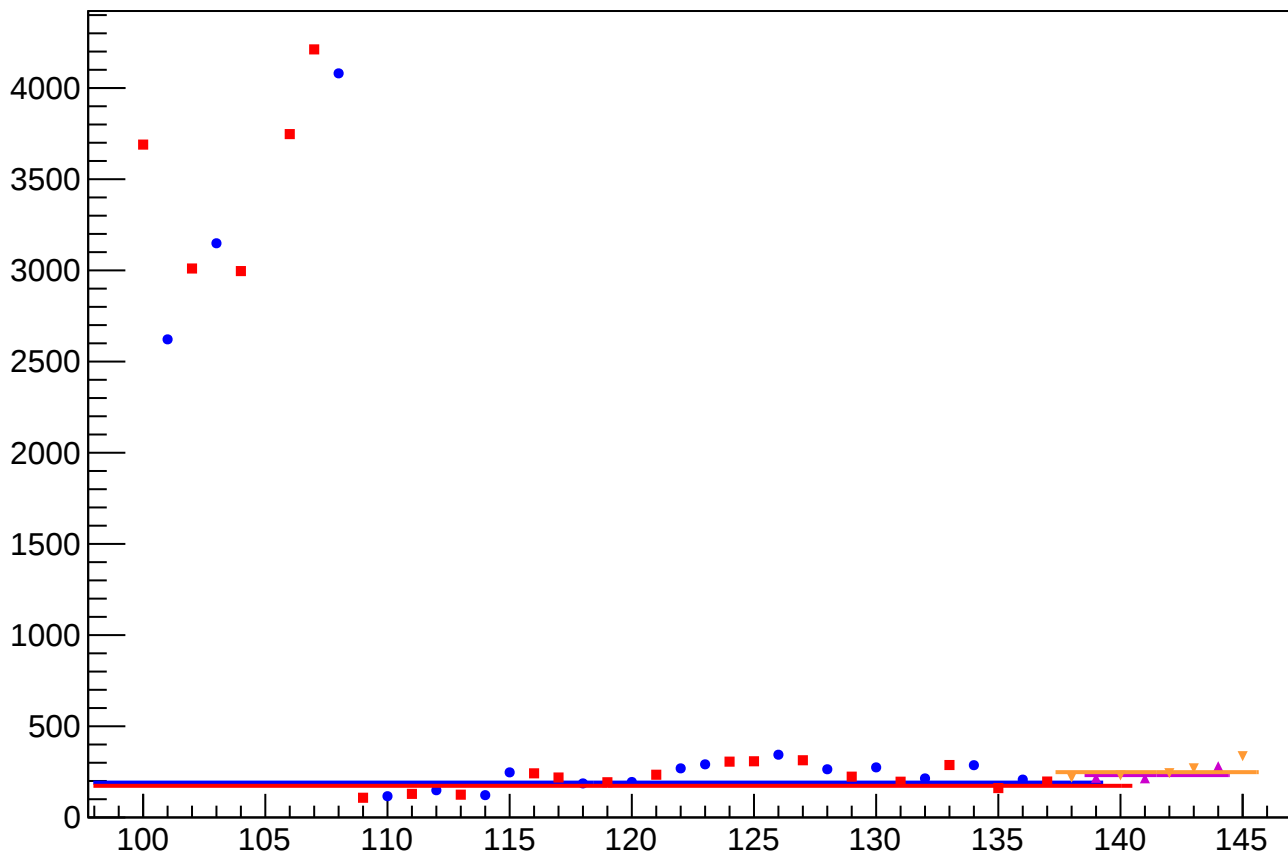
Left In: 243.175+/-152.633 χ^2/NDF : 0.7/2

87.048+/-74.105 χ^2/NDF : 12.6/21

78.185+/-51.386 χ^2/NDF : 26.9/44

69.975+/-71.318 χ^2/NDF : 14.2/22

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.190+/-0.062 χ^2/NDF : 3571747.5/16

Left Out: 248.443+/-0.098 χ^2/NDF :148433.6/4

Right Out: 173.536+/-0.057 χ^2/NDF : 4210933.2/19

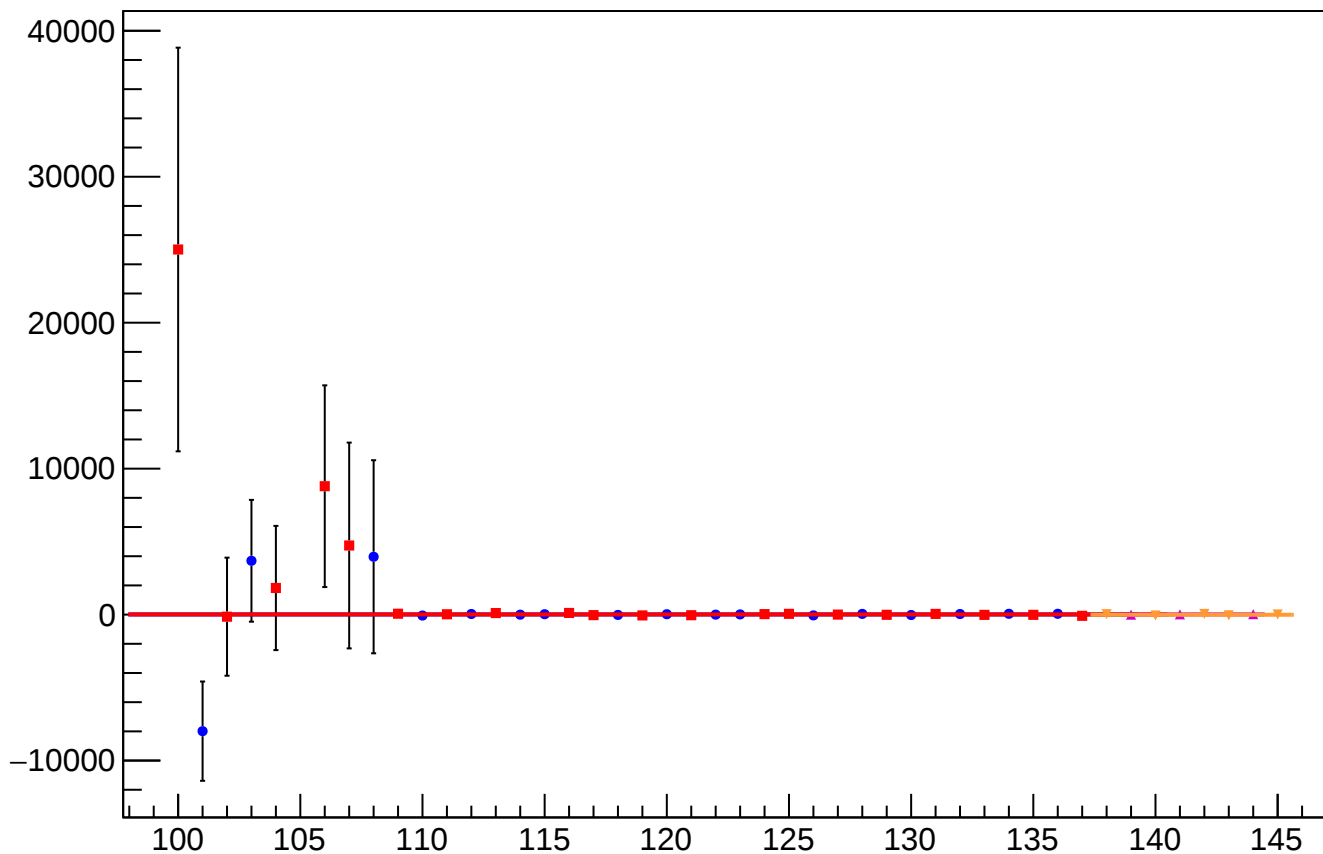
Left In: 232.252+/-0.108 χ^2/NDF :68132.5/2

207.500+/-0.052 χ^2/NDF : 3963386.9/21

196.523+/-0.036 χ^2/NDF : 8558331.7/44

186.355+/-0.050 χ^2/NDF : 4510409.6/22

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

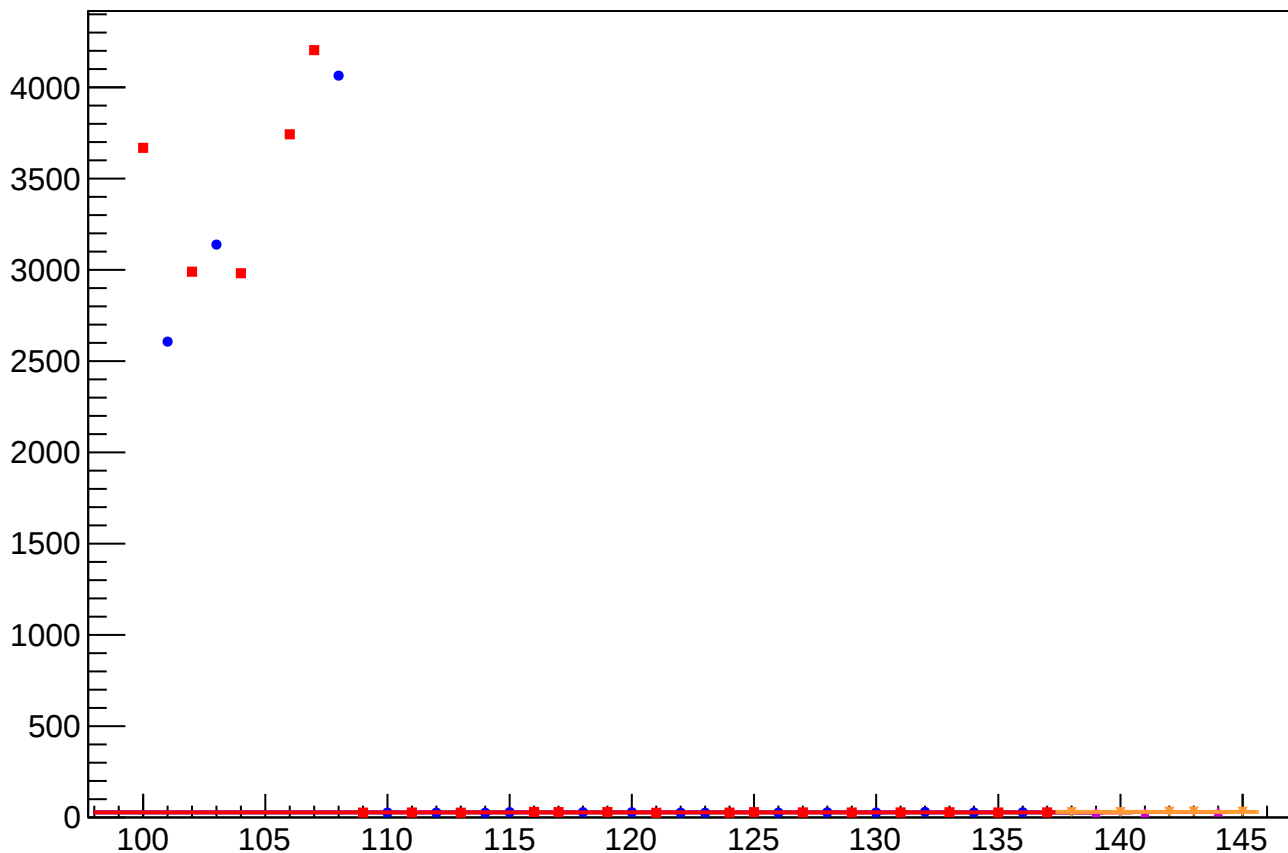
Left In: 15.438+/-19.285 χ^2/NDF : 0.5/2

3.419+/-9.857 χ^2/NDF : 25.7/21

8.186+/-7.121 χ^2/NDF : 51.2/44

13.391+/-10.299 χ^2/NDF : 25.0/22

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 30.423 $\pm$ 0.012 χ^2 /NDF: 14085.6/4

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

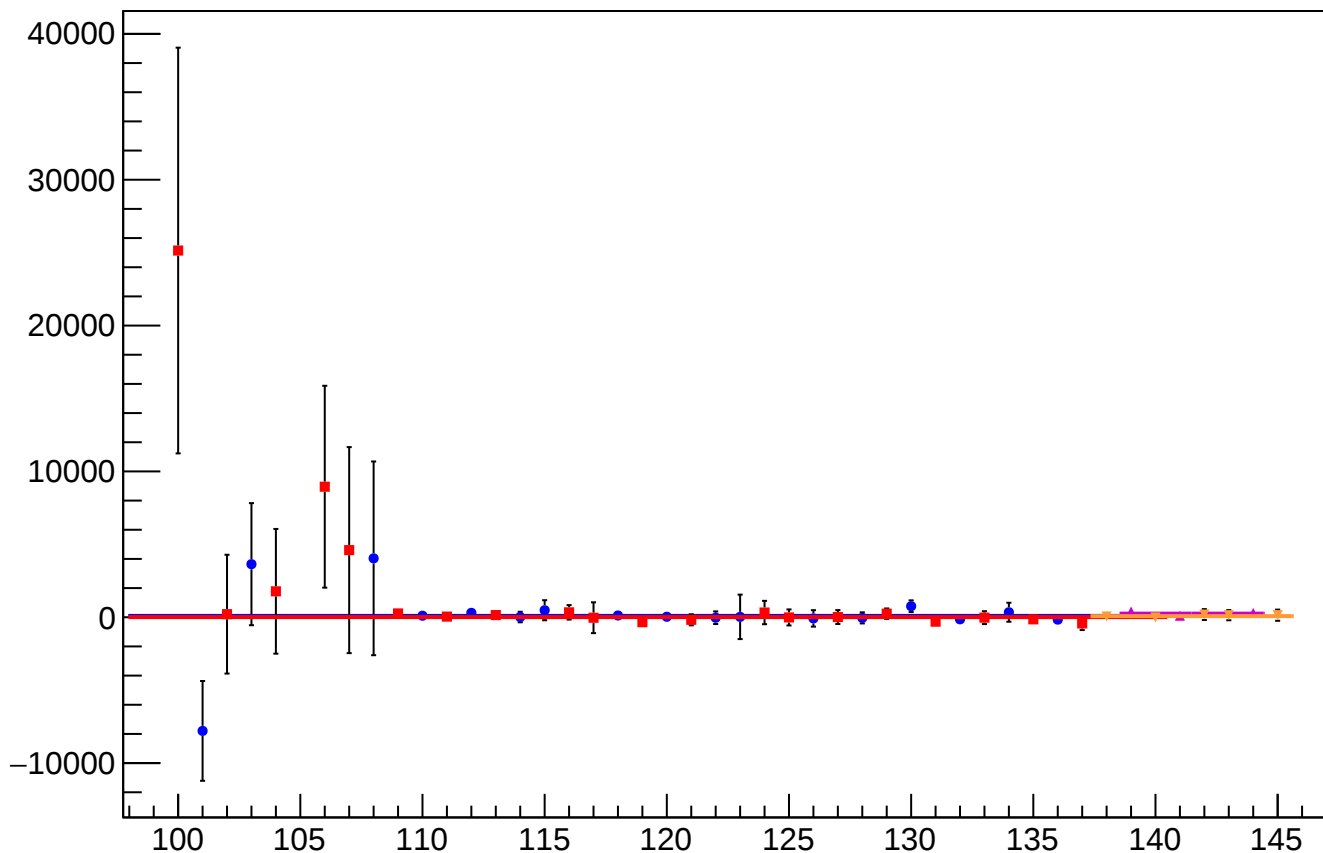
Left In: 29.665 $\pm$ 0.014 χ^2 /NDF: 16961.3/2

28.732 $\pm$ 0.007 χ^2 /NDF: 3072129.8/21

28.509 $\pm$ 0.005 χ^2 /NDF: 6583057.2/44

28.265 $\pm$ 0.007 χ^2 /NDF: 3508784.8/22

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

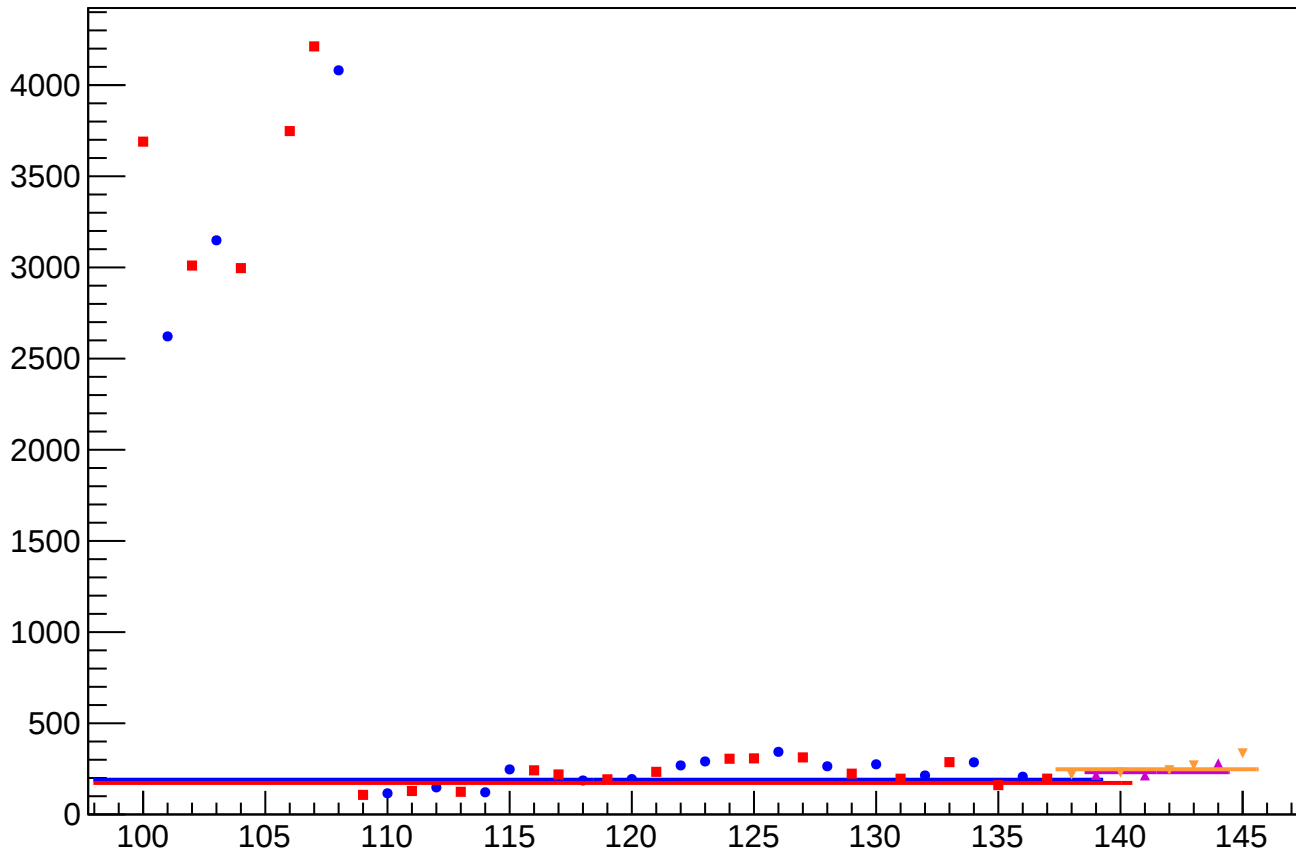
Left In: 248.000+/-152.316 χ^2/NDF : 0.7/2

88.393+/-73.892 χ^2/NDF : 12.9/21

75.641+/-51.237 χ^2/NDF : 28.2/44

63.832+/-71.107 χ^2/NDF : 15.2/22

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 : 422275.2/19

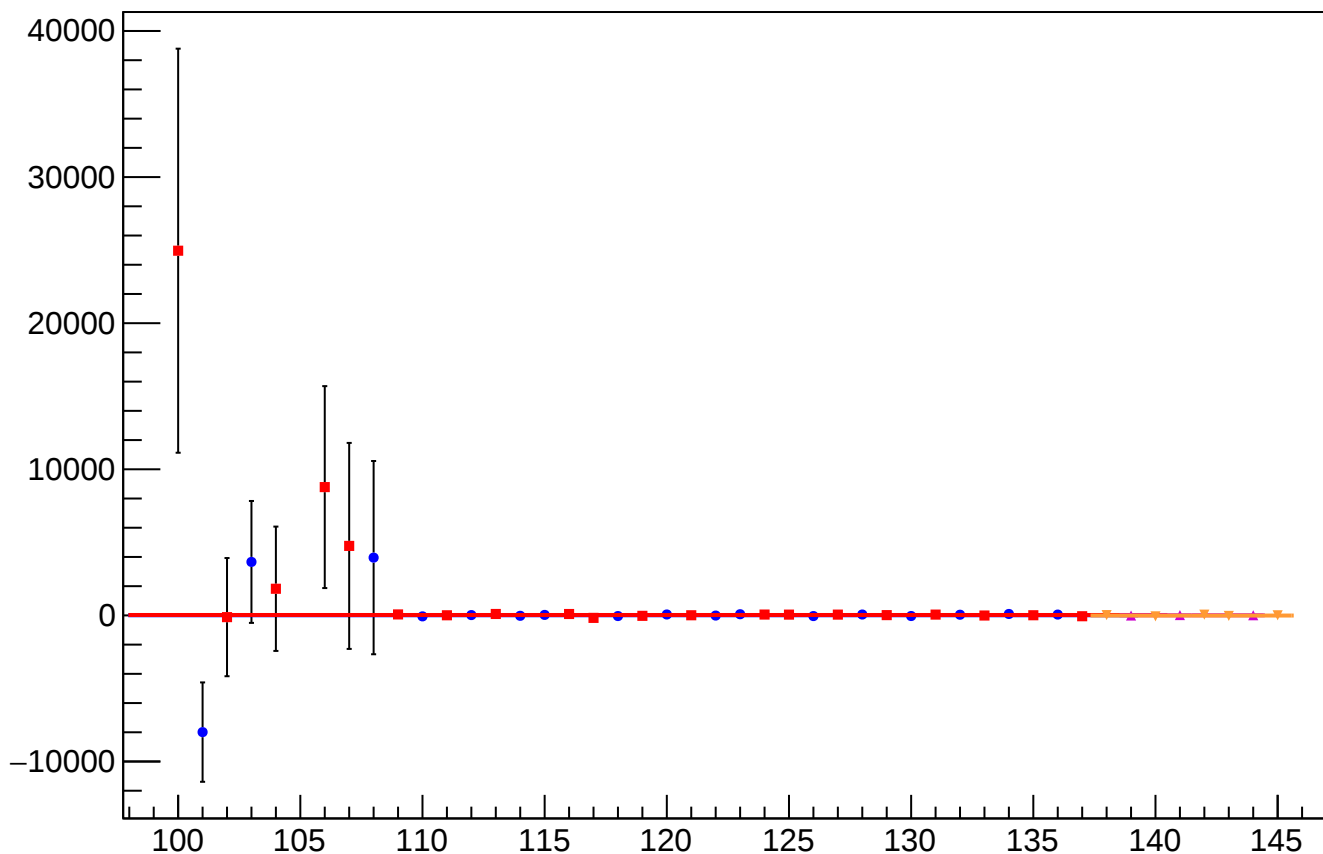
Left In: 231.768+/-0.108 χ^2/NDF : 68085.3/2

206.814+/-0.052 χ^2/NDF : 3977947.1/21

195.856+/-0.036 χ^2/NDF : 8586886.8/44

185.708+/-0.050 χ^2/NDF : 4524218.6/22

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.600+/-12.273 χ^2/NDF : 23.2/16

Left Out: -10.040+/-16.854 χ^2/NDF : 5.7/4

Right Out: 28.128+/-12.282 χ^2/NDF : 18.5/19

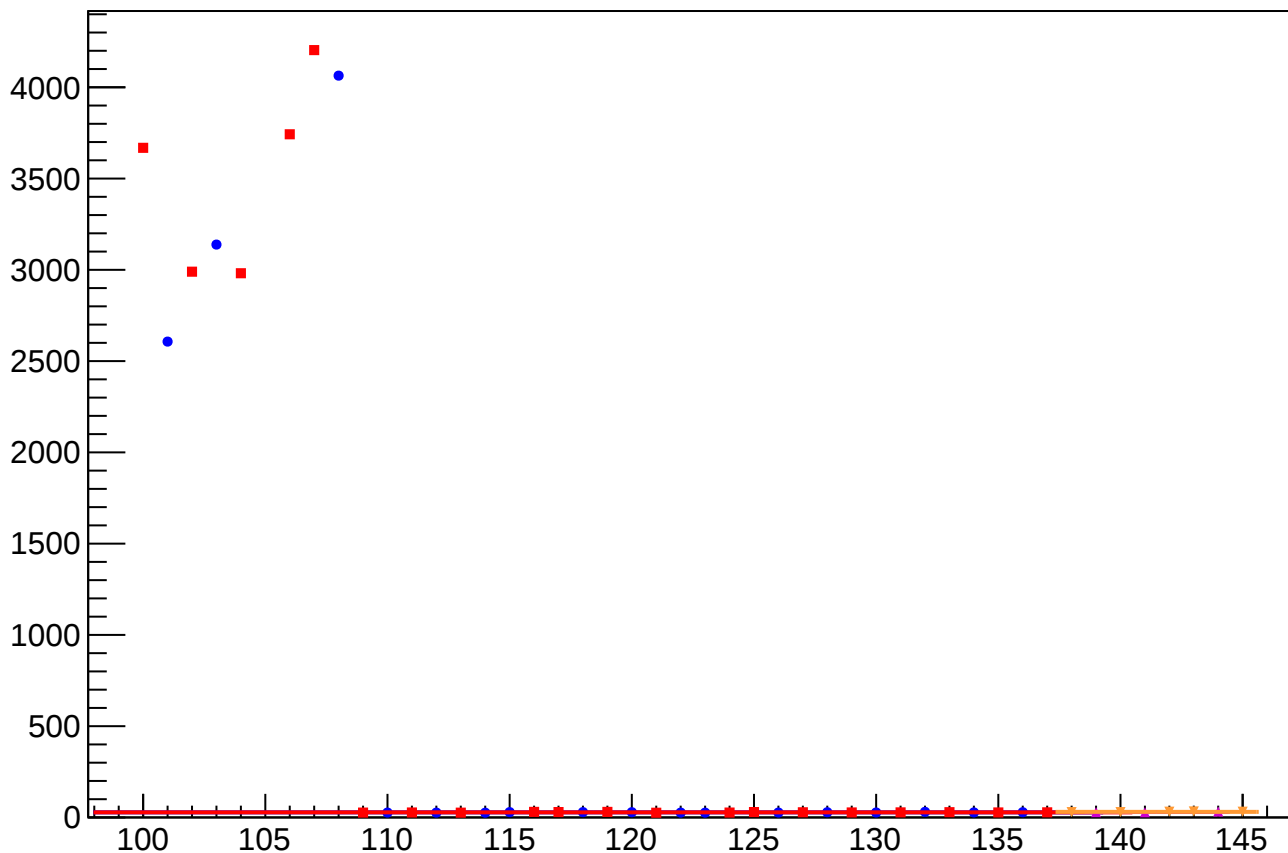
Left In: 9.747+/-19.371 χ^2/NDF : 0.4/2

2.795+/-9.921 χ^2/NDF : 29.8/21

12.380+/-7.170 χ^2/NDF : 51.3/44

22.858+/-10.373 χ^2/NDF : 19.5/22

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

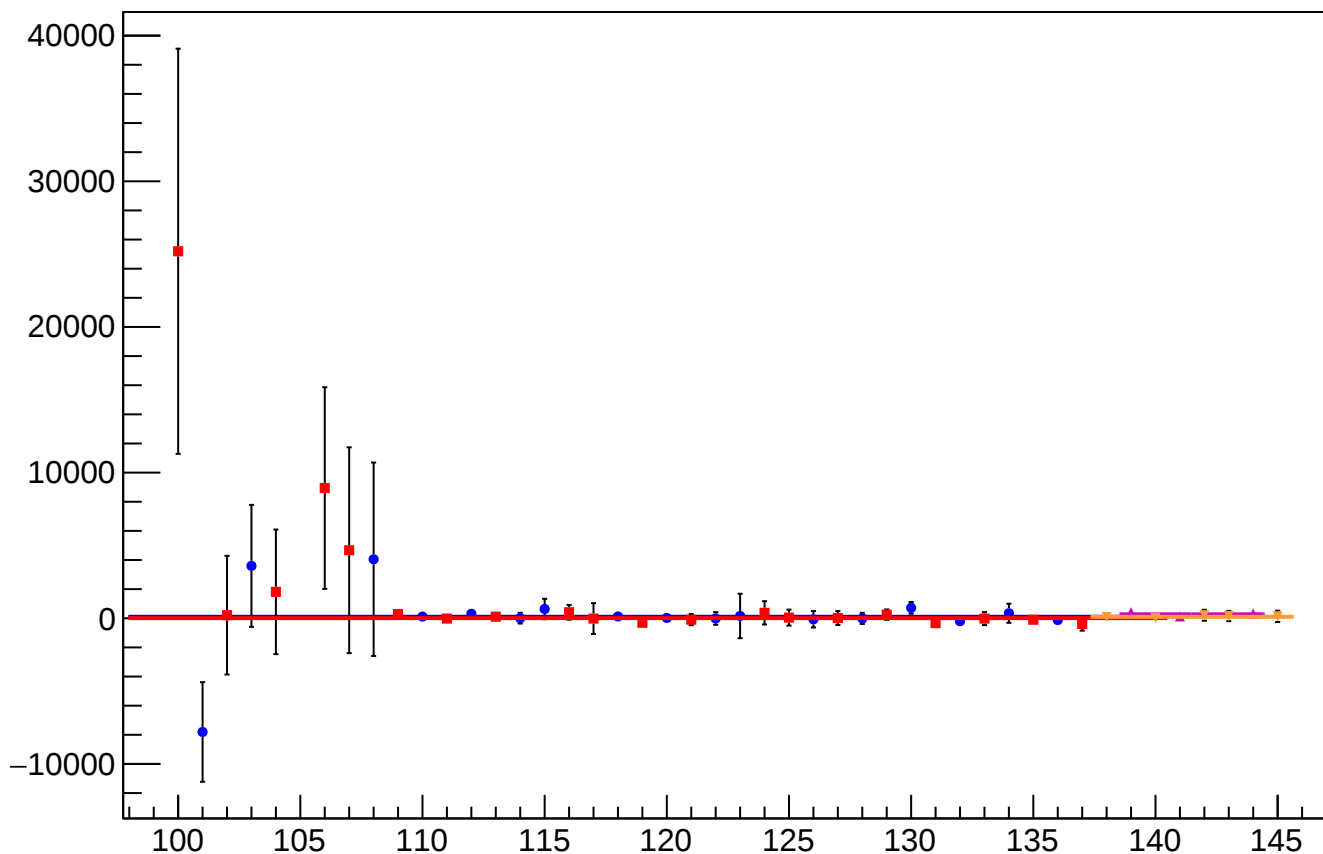
Left In: 29.792+/-0.014 χ^2/NDF : 18098.2/2

28.916+/-0.007 χ^2/NDF : 3071984.9/21

28.700+/-0.005 χ^2/NDF : 6585128.0/44

28.463+/-0.007 χ^2/NDF : 3511152.4/22

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

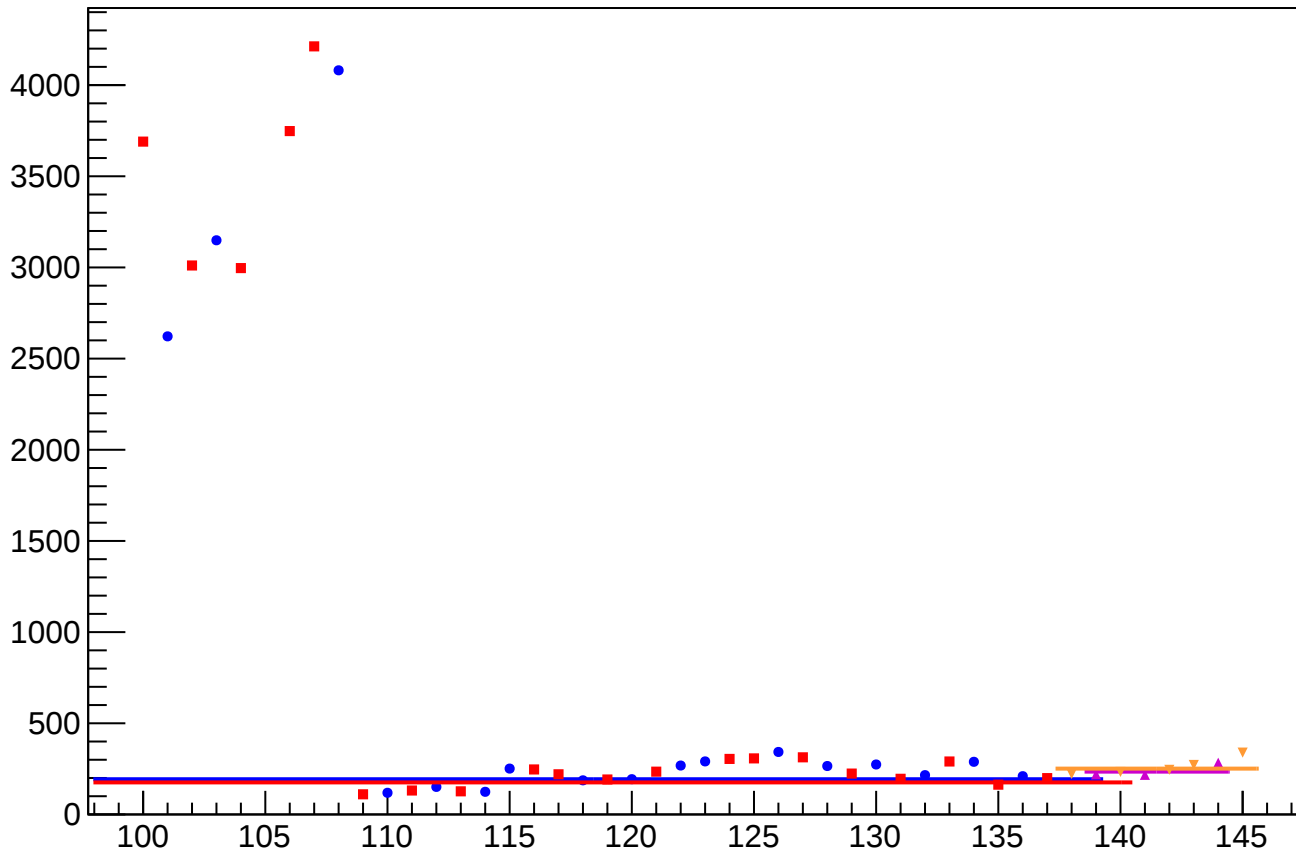
Left In: 270.516 $\pm$ 154.333 χ^2 /NDF: 0.7/2

101.696 $\pm$ 74.807 χ^2 /NDF: 12.6/21

84.012 $\pm$ 51.898 χ^2 /NDF: 27.9/44

67.604 $\pm$ 72.059 χ^2 /NDF: 15.2/22

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.190 $\pm$ 0.063 χ^2 /NDF: 3536123.5/16

Left Out: 251.388 $\pm$ 0.099 χ^2 /NDF:145329.2/4

Right Out: 175.749 $\pm$ 0.058 χ^2 /NDF: 4168935.2/19

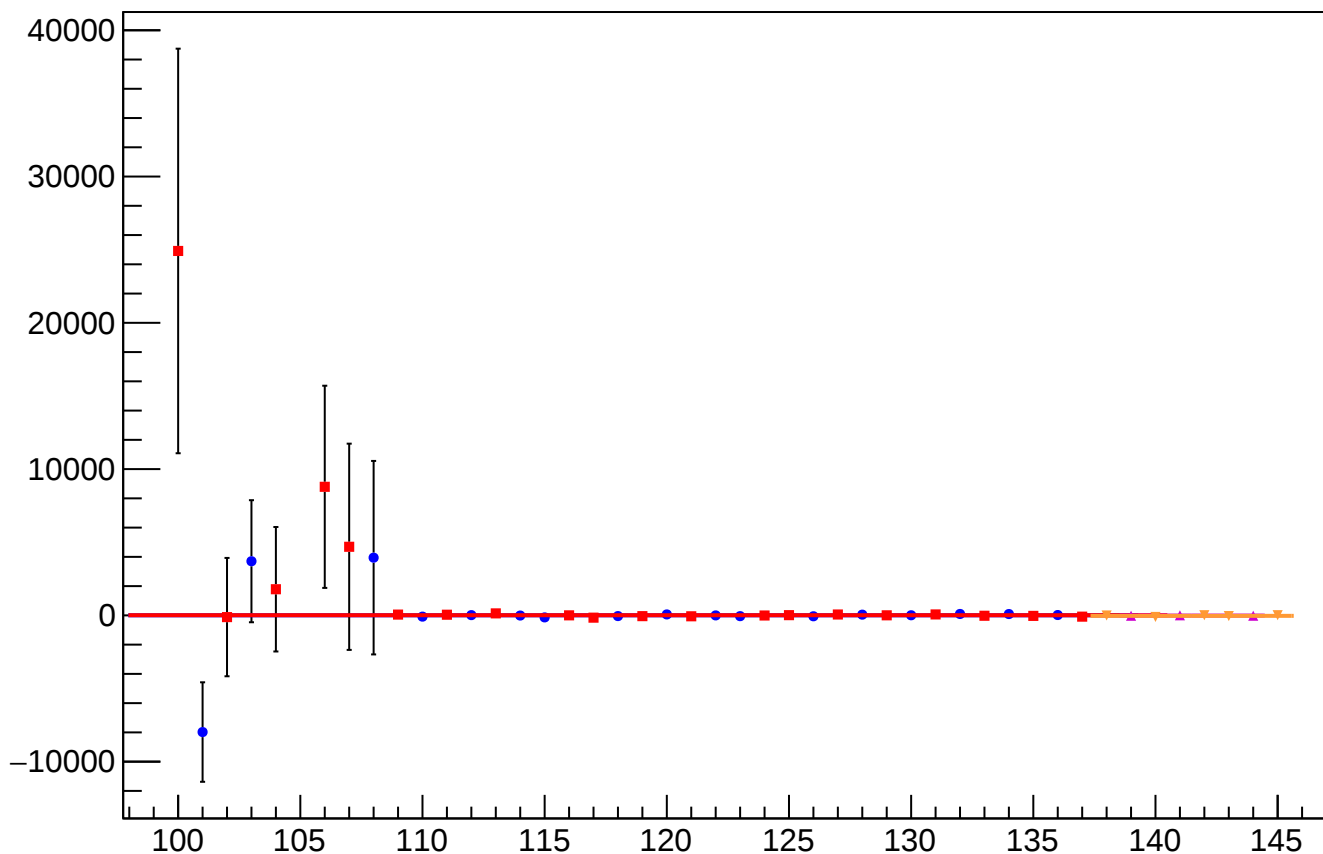
Left In: 234.879 $\pm$ 0.109 χ^2 /NDF:67532.4/2

209.703 $\pm$ 0.053 χ^2 /NDF: 3927454.8/21

198.777 $\pm$ 0.037 χ^2 /NDF: 8475743.3/44

188.640 $\pm$ 0.051 χ^2 /NDF: 4466045.6/22

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

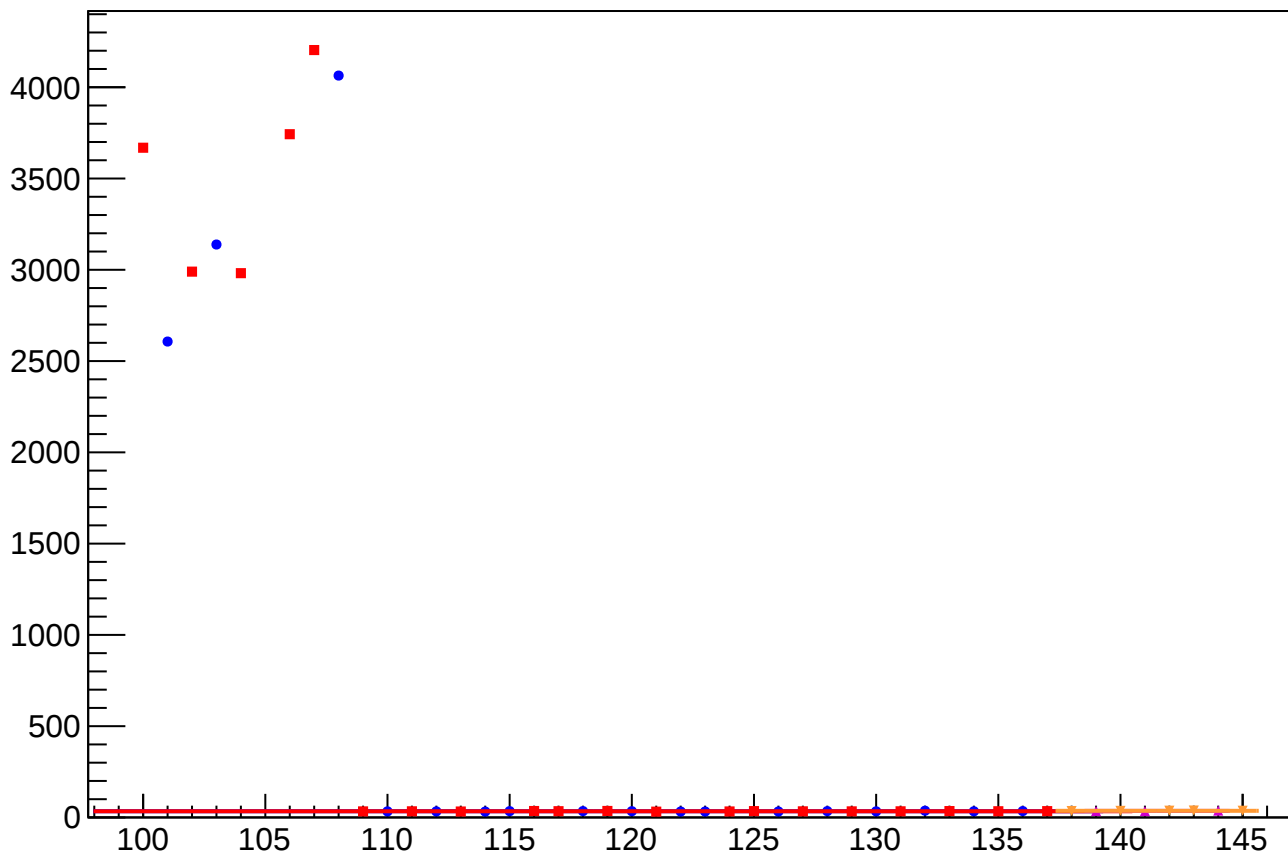
Left In: -13.011+/-23.232 χ^2/NDF : 0.4/2

-8.545+/-11.965 χ^2/NDF : 28.2/21

-2.524+/-8.655 χ^2/NDF : 52.6/44

4.083+/-12.533 χ^2/NDF : 23.9/22

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

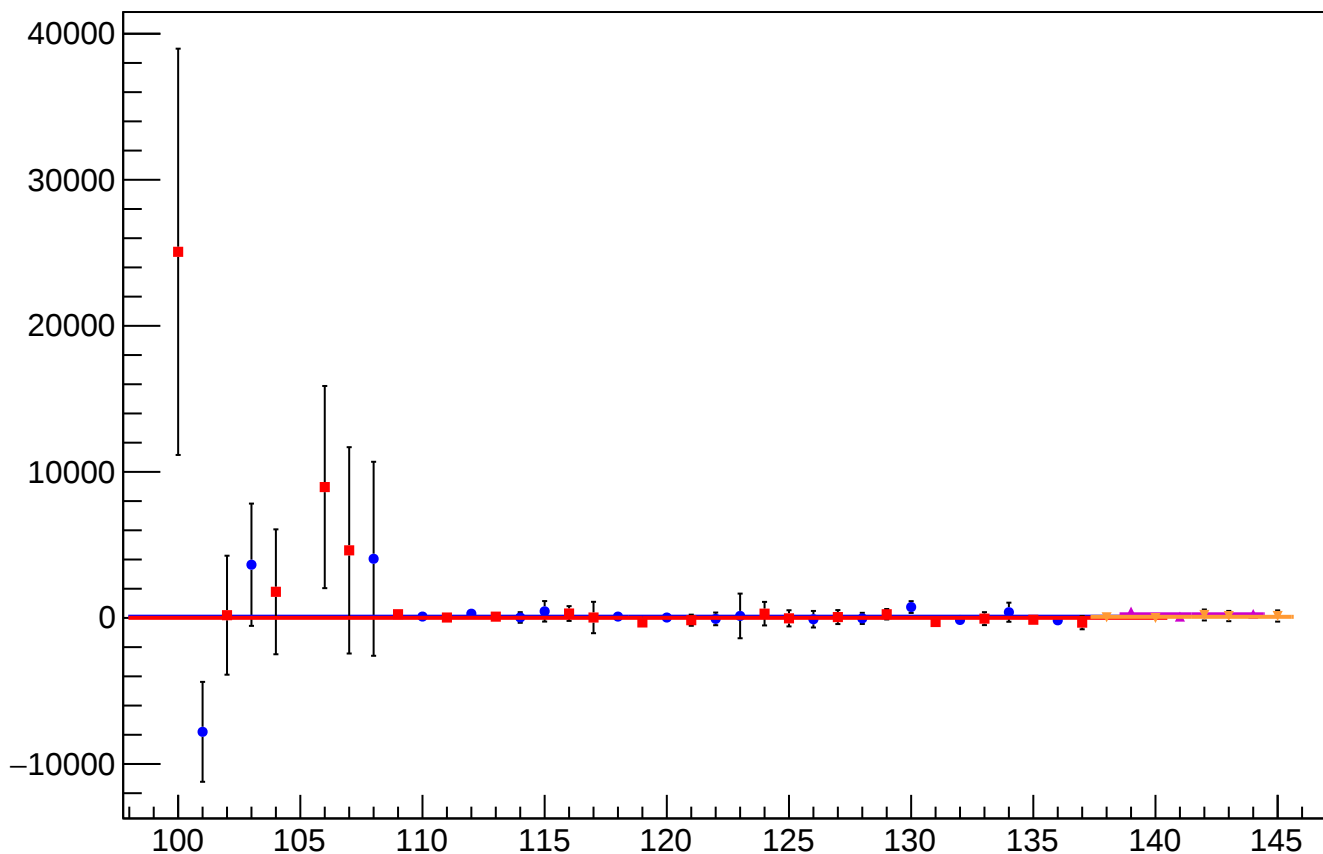
Left In: 35.805 $\pm$ 0.016 χ^2 /NDF:5806.5/2

34.941 $\pm$ 0.008 χ^2 /NDF: 3026776.2/21

34.714 $\pm$ 0.006 χ^2 /NDF: 6495369.0/44

34.465 $\pm$ 0.009 χ^2 /NDF: 3467083.1/22

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

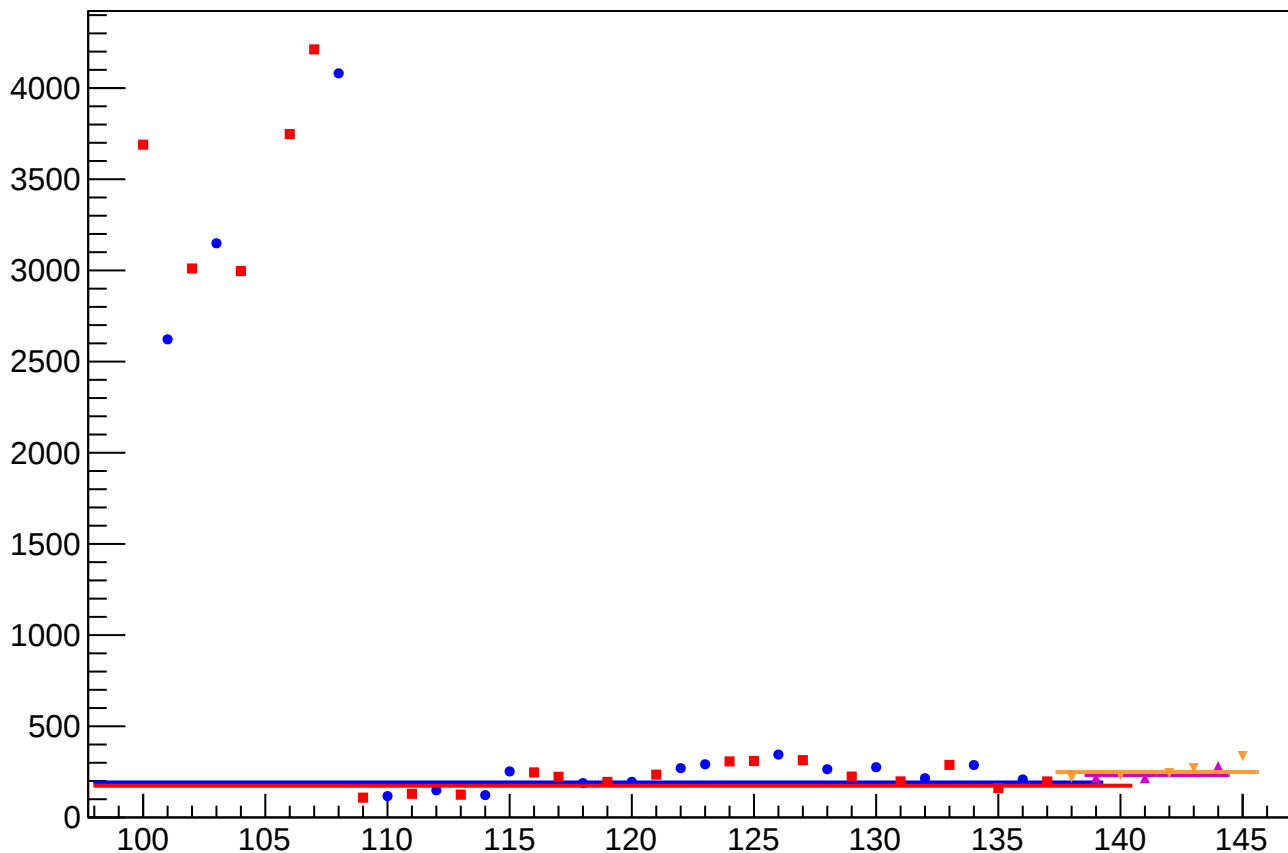
Left In: 249.310+/-153.195 χ^2/NDF : 0.9/2

83.372+/-74.358 χ^2/NDF : 12.7/21

71.371+/-51.573 χ^2/NDF : 26.7/44

60.246+/-71.591 χ^2/NDF : 13.9/22

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

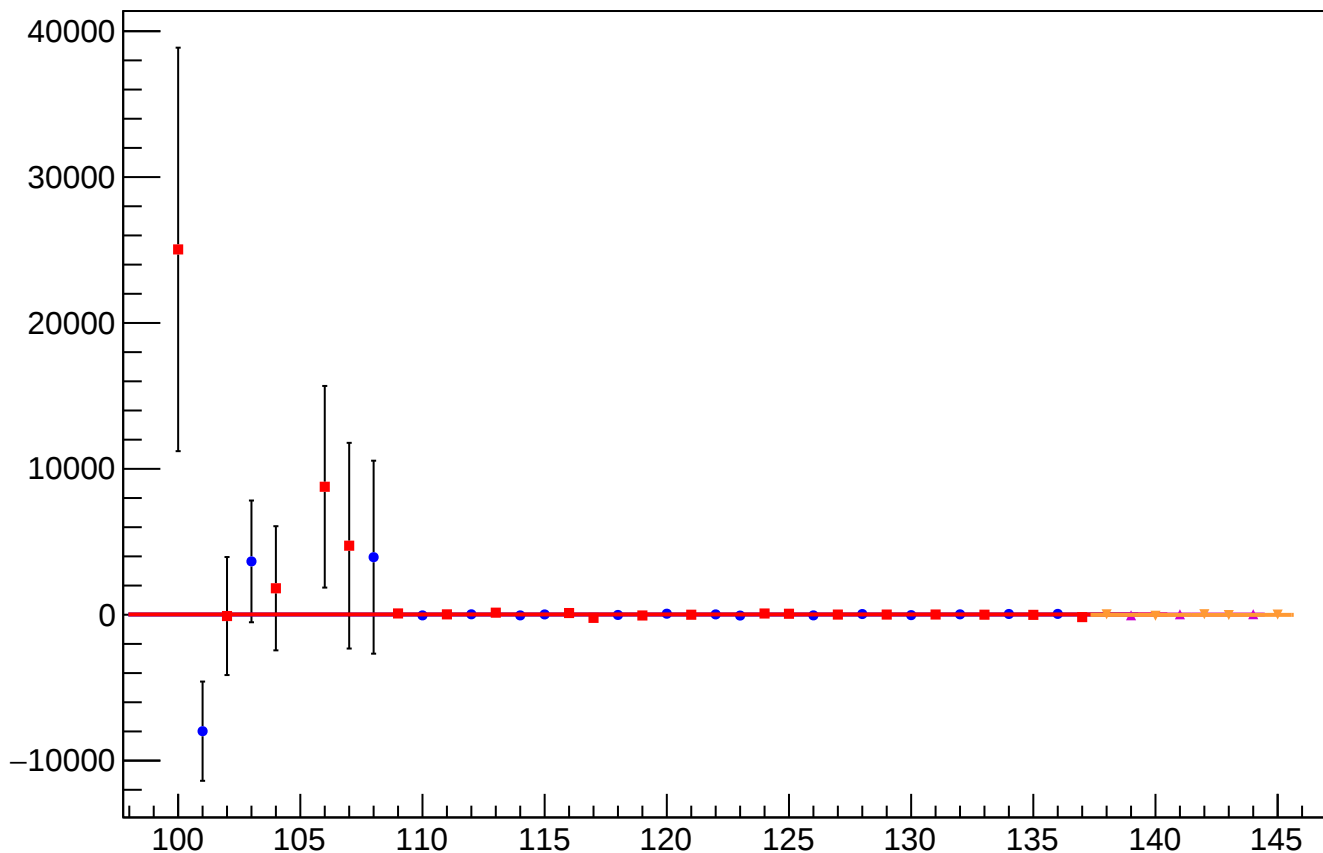
Left In: 233.125+/-0.108 χ^2/NDF :67581.2/2

208.219+/-0.053 χ^2/NDF : 3963519.4/21

197.245+/-0.036 χ^2/NDF : 8561794.3/44

187.074+/-0.051 χ^2/NDF : 4514346.6/22

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

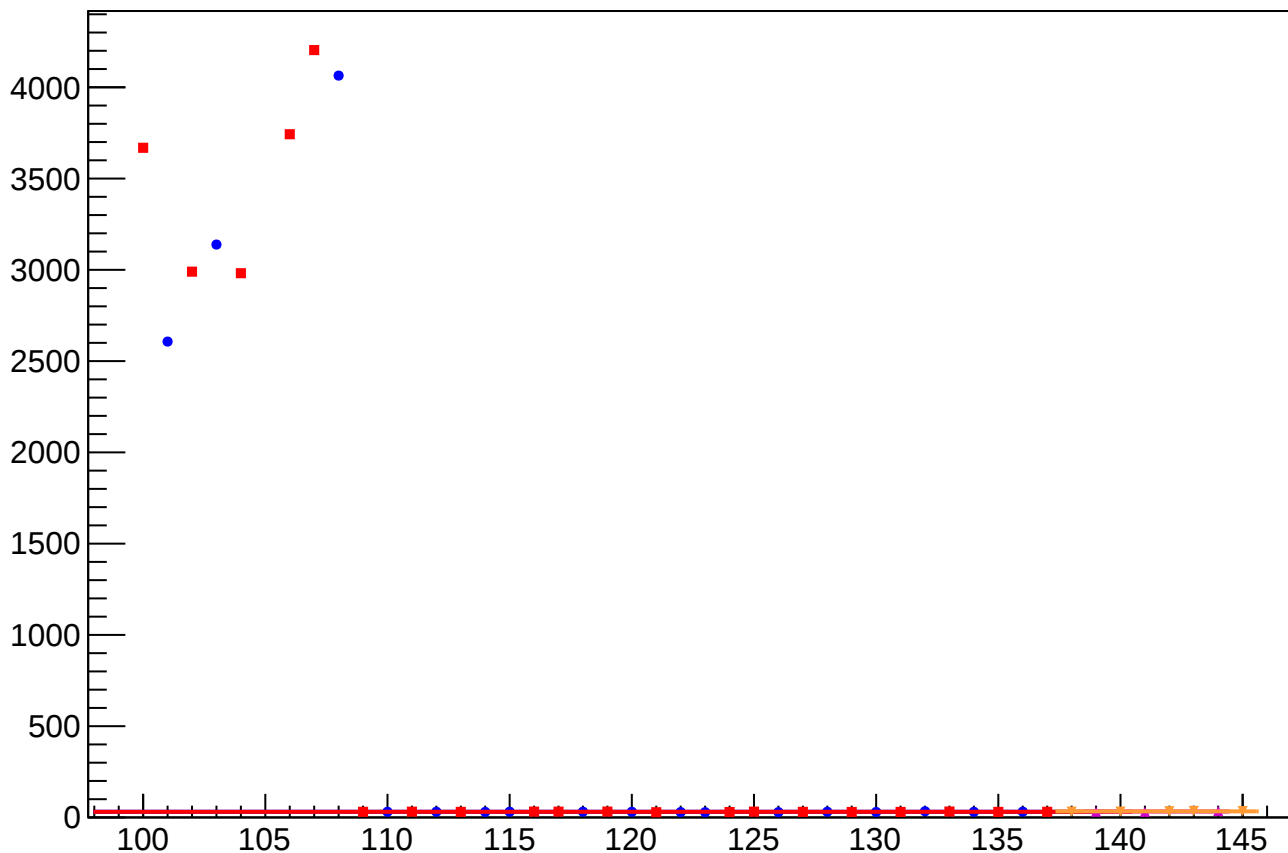
Left In: 12.899+/-21.178 χ^2/NDF : 2.4/2

5.872+/-10.950 χ^2/NDF : 21.2/21

12.137+/-7.912 χ^2/NDF : 54.4/44

18.982+/-11.444 χ^2/NDF : 32.4/22

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 31.127+/-0.010 χ^2/NDF : 3014425.9/16

Left Out: 33.464+/-0.013 χ^2/NDF :14524.1/4

Right Out: 30.970+/-0.010 χ^2/NDF : 3459018.8/19

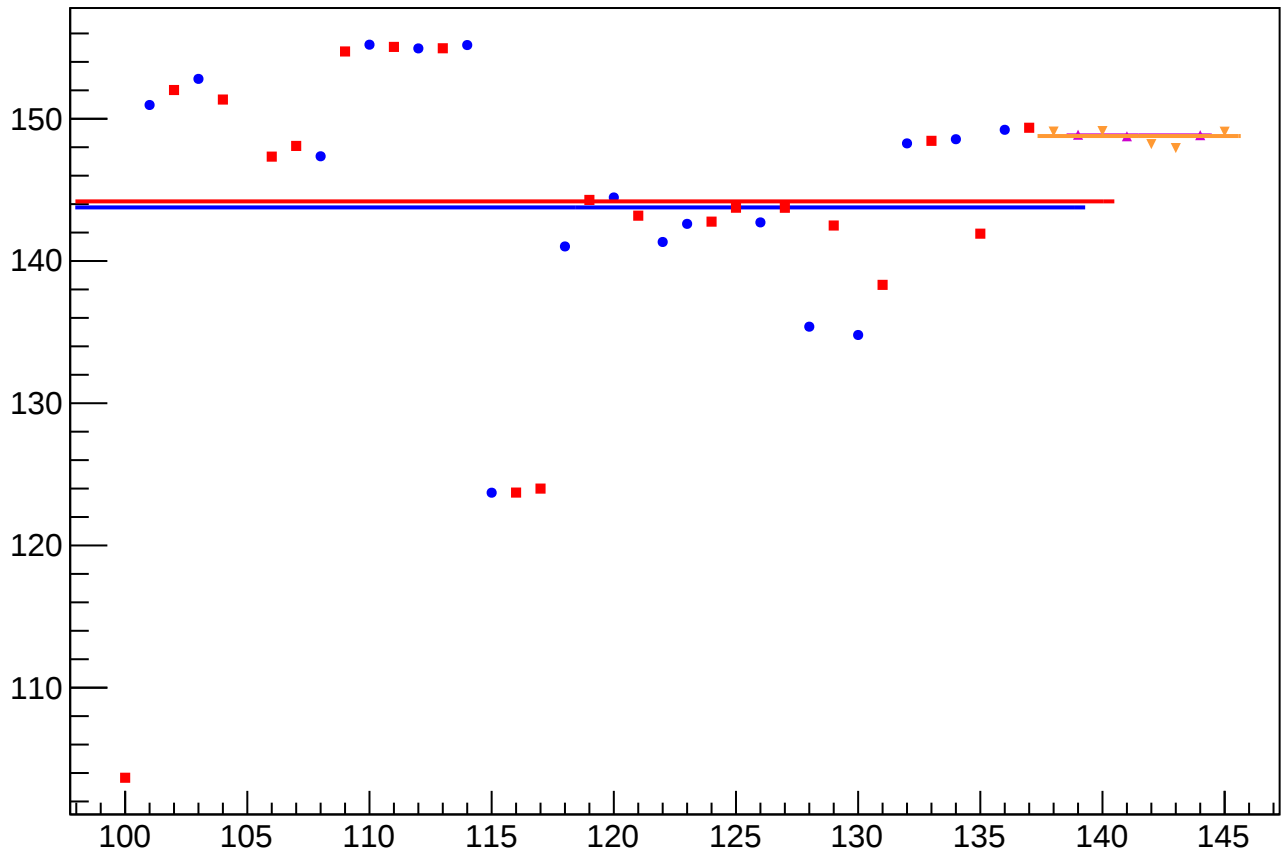
Left In: 32.603+/-0.015 χ^2/NDF :14559.6/2

31.953+/-0.008 χ^2/NDF : 3049771.2/21

31.711+/-0.006 χ^2/NDF : 6533797.1/44

31.447+/-0.008 χ^2/NDF : 3481986.9/22

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.768 +/- 0.000 χ^2/NDF : 3532173868.5/16

Left Out: 148.787 +/- 0.000 χ^2/NDF : 7580921.4/4

Right Out: 144.192 +/- 0.000 χ^2/NDF : 4524049993.1/19

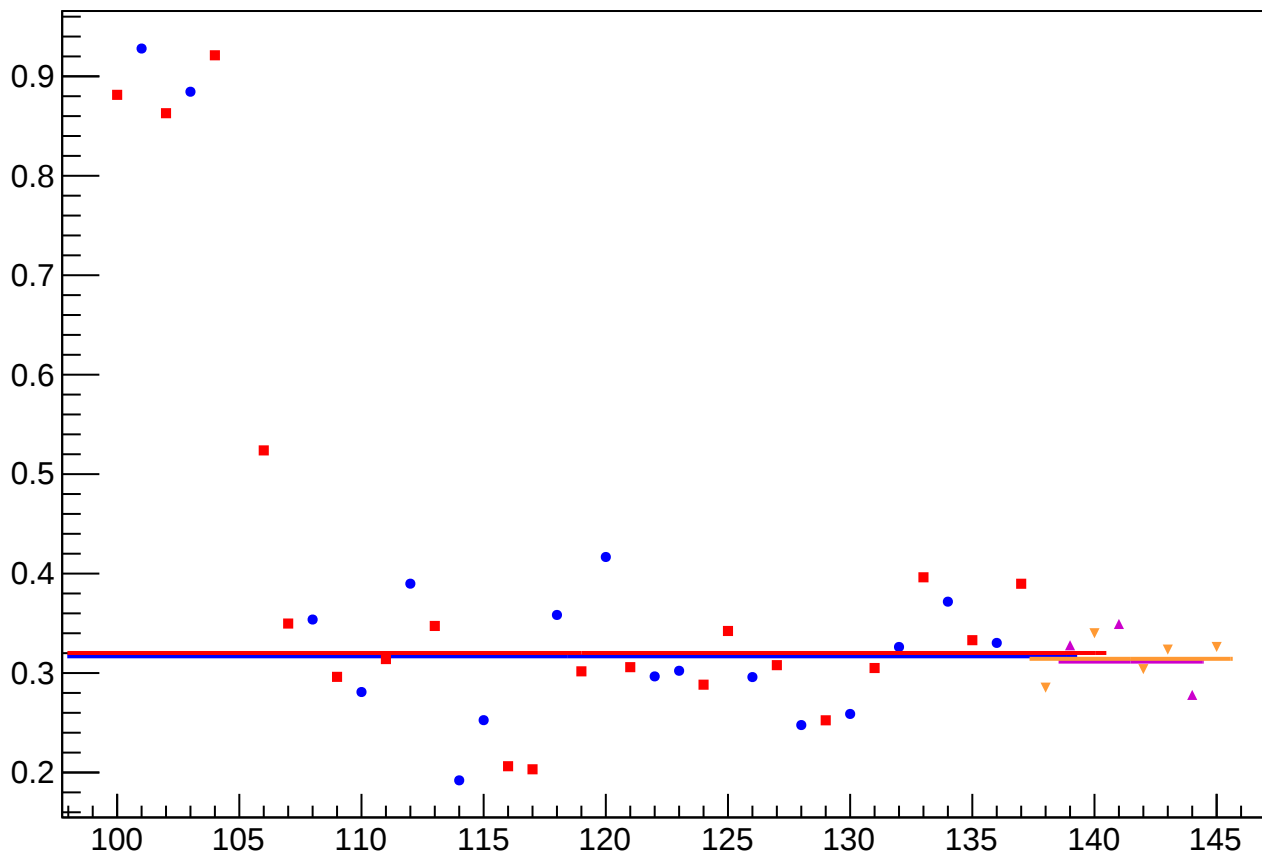
Left In: 148.834 +/- 0.000 χ^2/NDF : 41661.3/2

145.599 +/- 0.000 χ^2/NDF : 4051186409.5/21

145.571 +/- 0.000 χ^2/NDF : 8934570628.8/22

145.540 +/- 0.000 χ^2/NDF : 4883234514.2/22

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

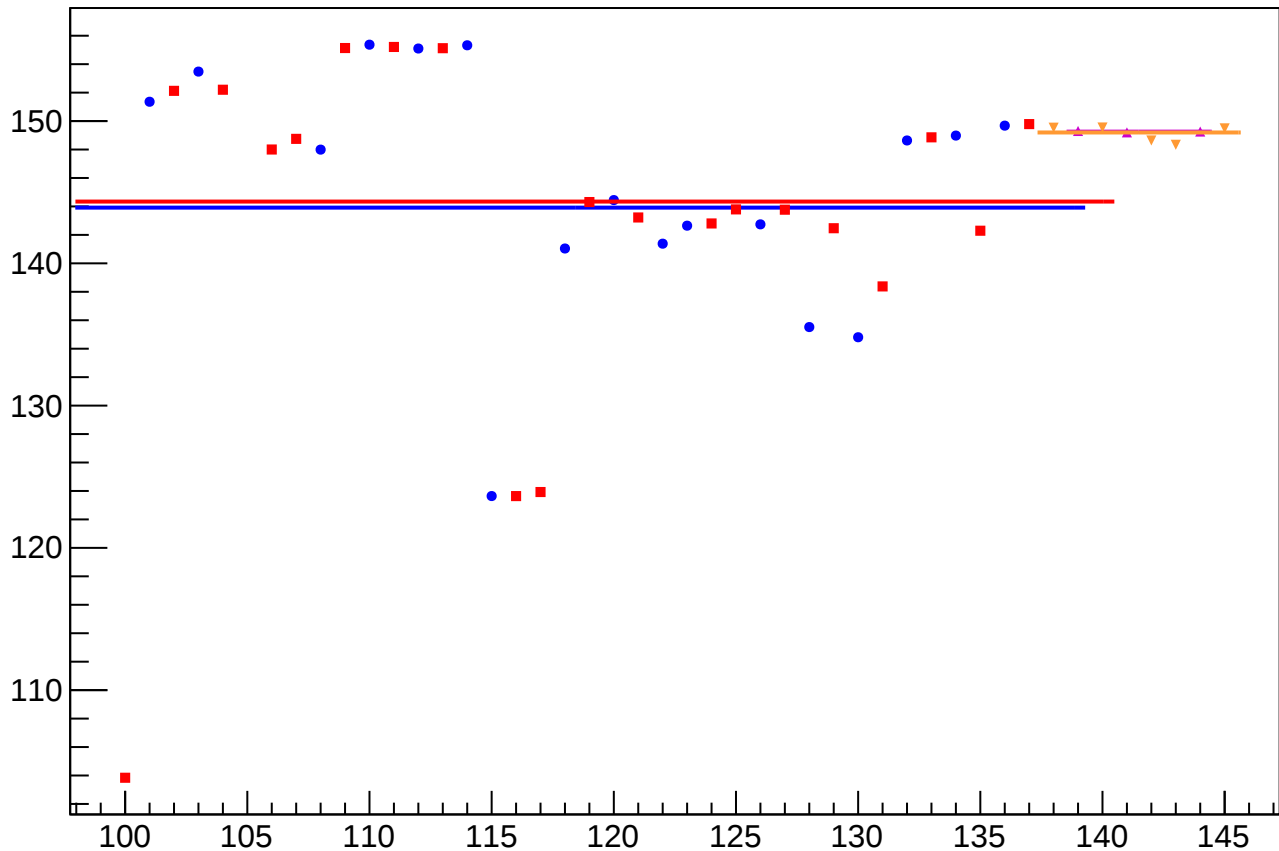
Left In: 0.311 $\pm$ 0.000 χ^2/NDF : 46458.6/2

0.316 $\pm$ 0.000 χ^2/NDF : 1306275.2/21

0.317 $\pm$ 0.000 χ^2/NDF : 2596102.5/44

0.318 $\pm$ 0.000 χ^2/NDF : 1289570.8/22

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

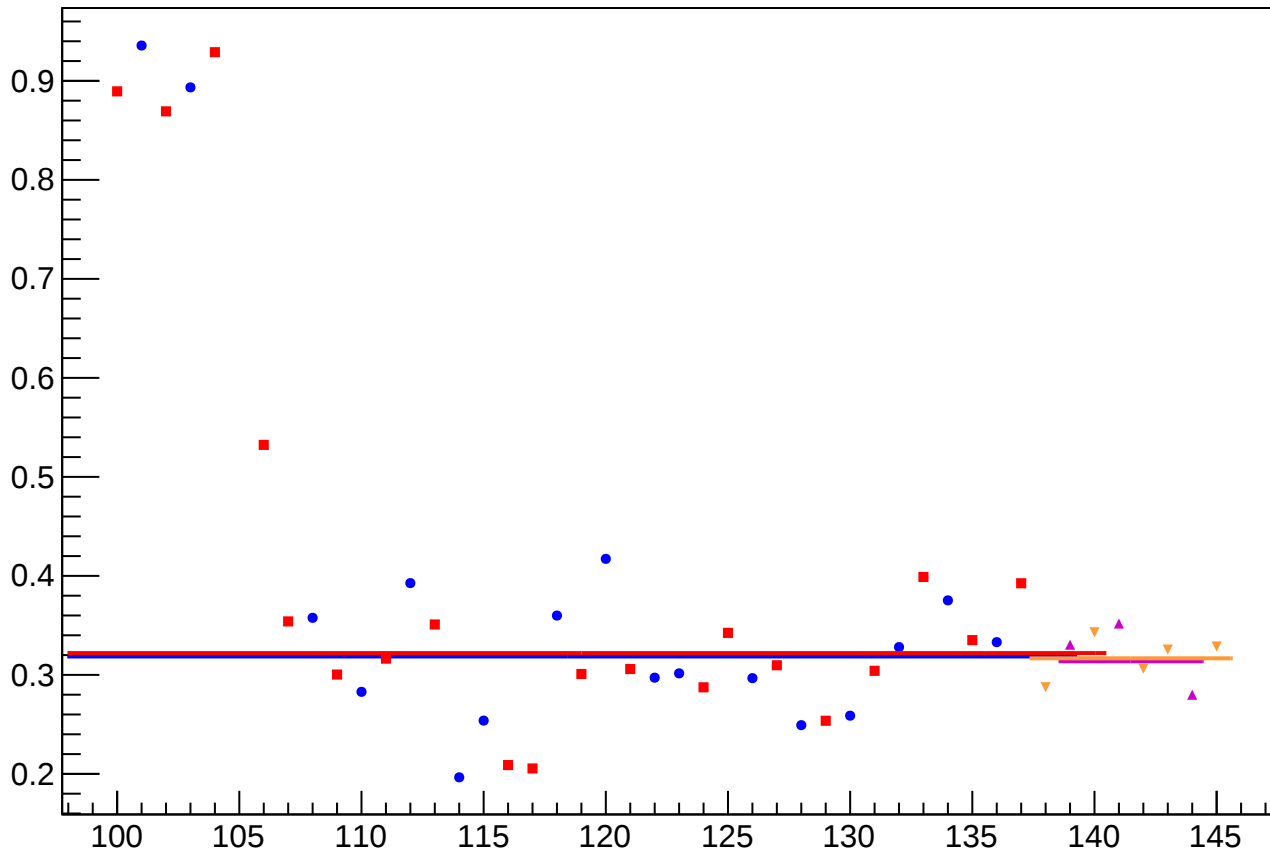
Left In: 149.258 $\pm$ 0.000 χ^2 /NDF: 31097.4/2

145.839 $\pm$ 0.000 χ^2 /NDF: 4151117217.4/21

145.804 $\pm$ 0.000 χ^2 /NDF: 9099899035.9/21

145.767 $\pm$ 0.000 χ^2 /NDF: 4948564701.0/22

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

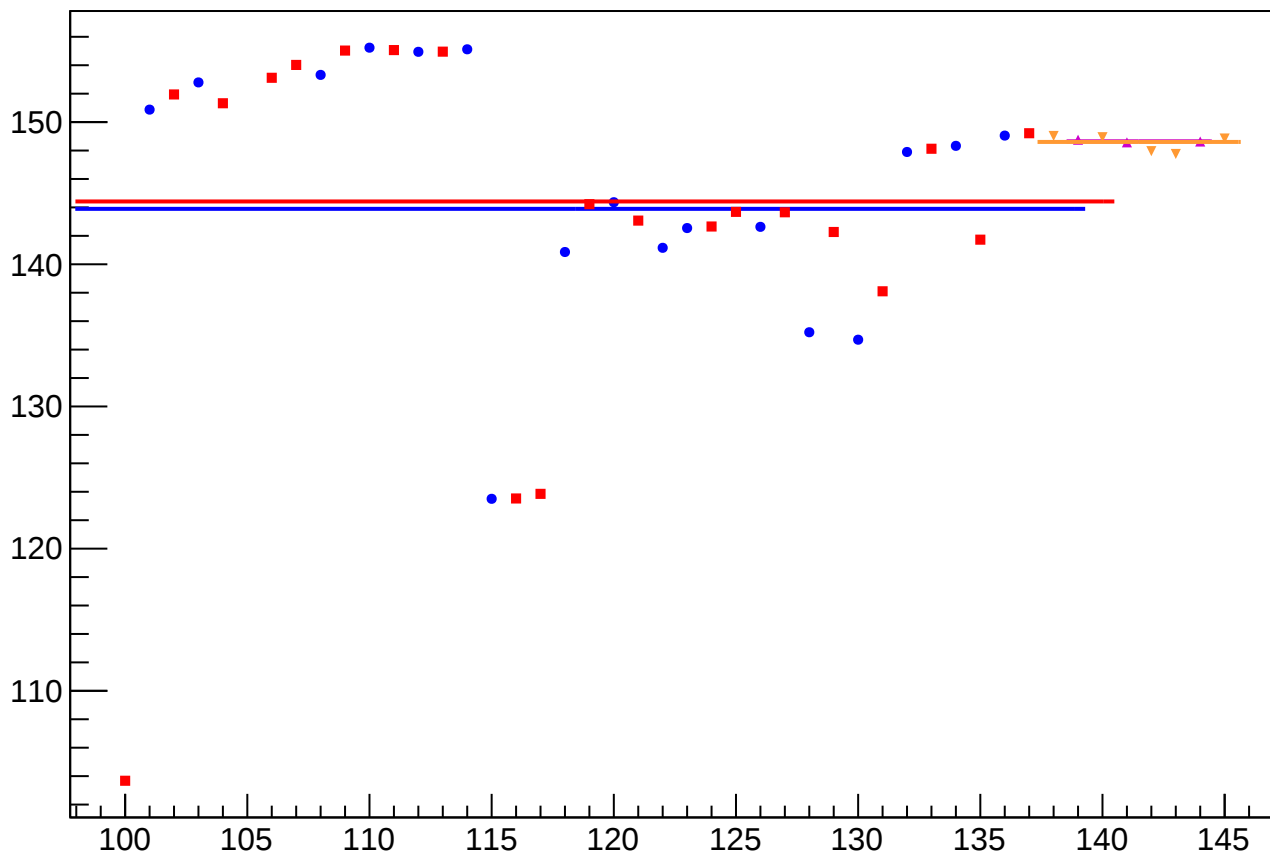
Left In: 0.314+/-0.000 χ^2/NDF : 46617.6/2

0.318+/-0.000 χ^2/NDF : 1308334.2/21

0.319+/-0.000 χ^2/NDF : 2600552.4/44

0.320+/-0.000 χ^2/NDF : 1291977.8/22

yield_bcm_an_us_mean vs Slug, Sign Corrected



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

Left Out: 148.606 +/- 0.000 χ^2/NDF : 8347529.7/4

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

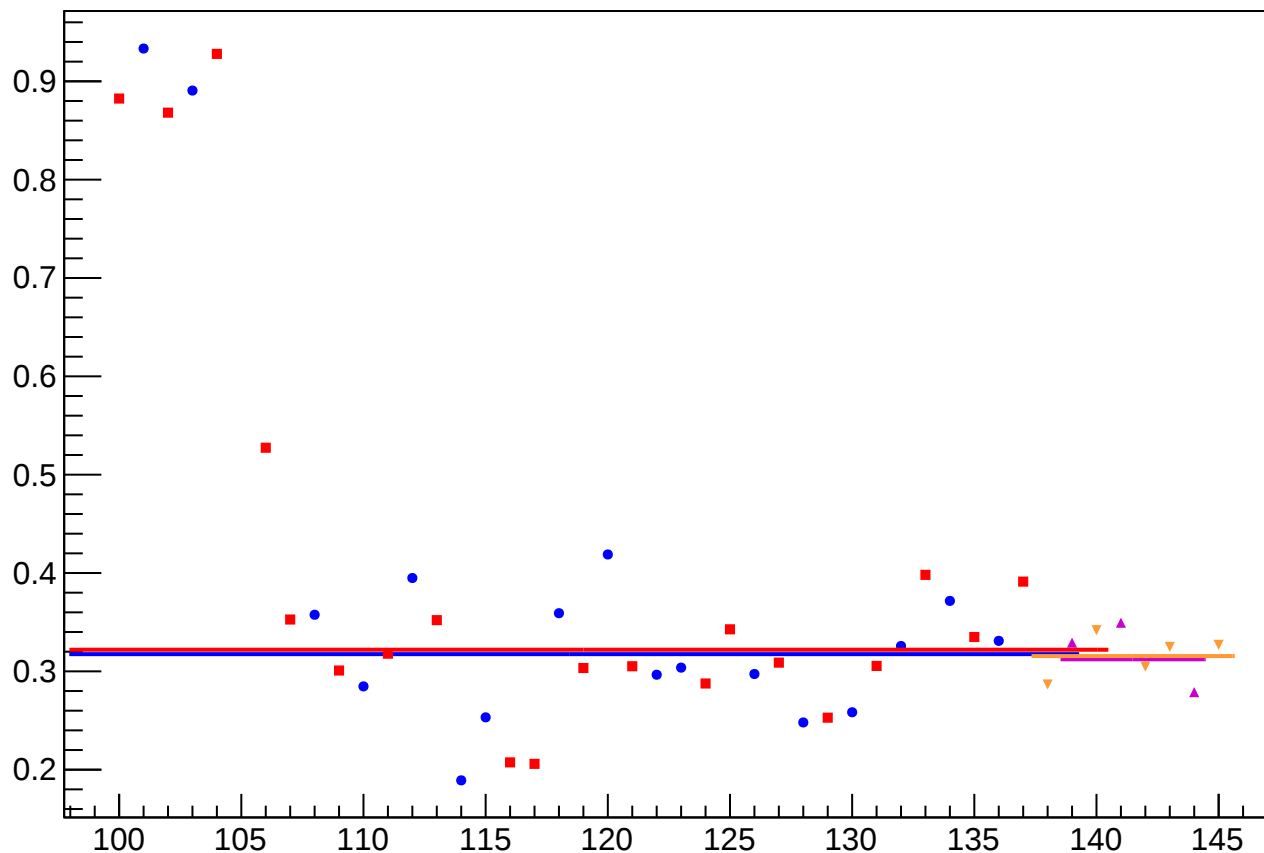
Left In: 148.651 +/- 0.000 χ^2/NDF : 114091.4/2

145.614 +/- 0.000 χ^2/NDF : 4204851635.6/21

145.633 +/- 0.000 χ^2/NDF : 9321913365.0/21

145.653 +/- 0.000 χ^2/NDF : 5116996074.2/22

yield_bcm_an_us_rms vs Slug, Sign Corrected



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

Left Out: 0.316 $\pm$ 0.000 χ^2 /NDF: 27396.5/4

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

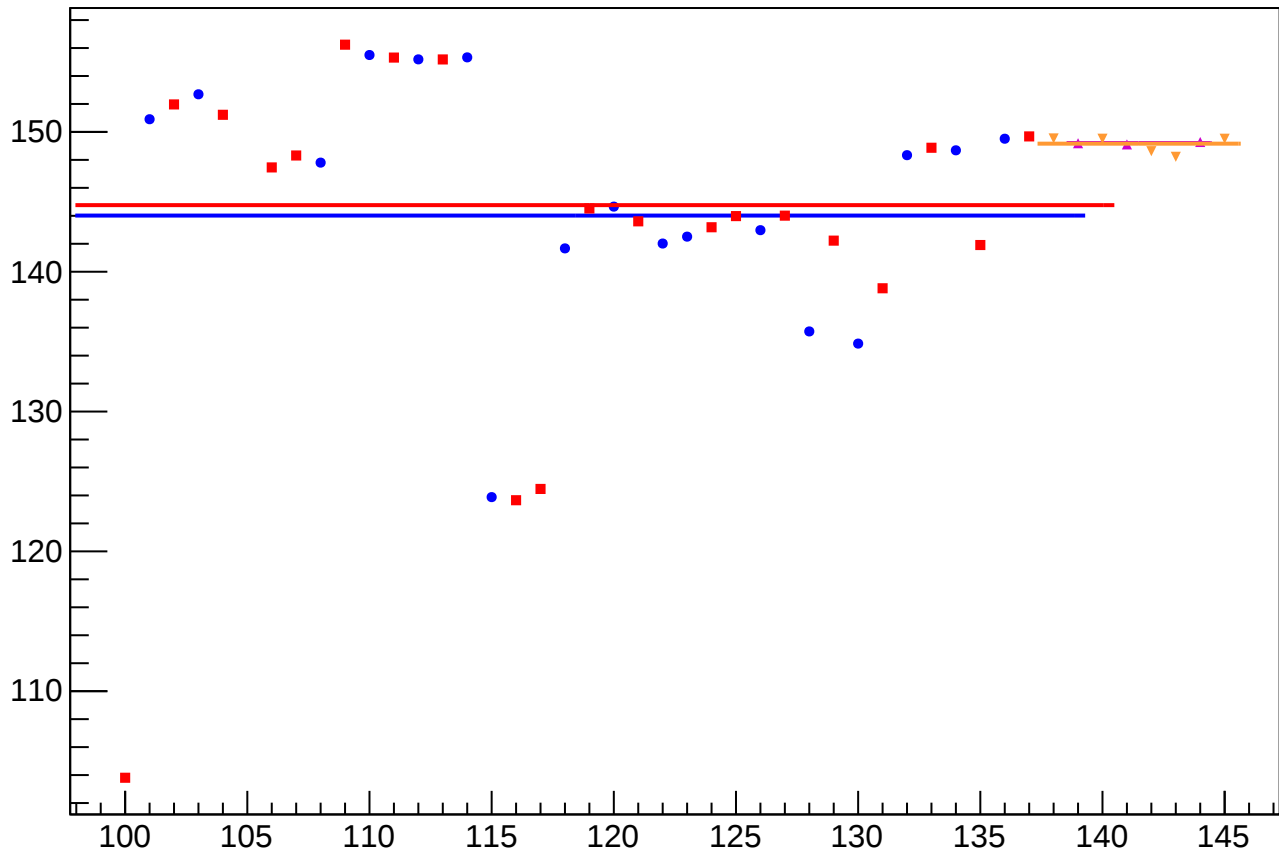
Left In: 0.312 $\pm$ 0.000 χ^2 /NDF: 45735.9/2

0.317 $\pm$ 0.000 χ^2 /NDF: 1320728.0/21

0.318 $\pm$ 0.000 χ^2 /NDF: 2613771.6/44

0.319 $\pm$ 0.000 χ^2 /NDF: 1292575.3/22

yield_bcm_dg_us_mean vs Slug, Sign Corrected



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

Left Out: 149.160 $\pm$ 0.000 χ^2 /NDF: 7976719.7/4

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

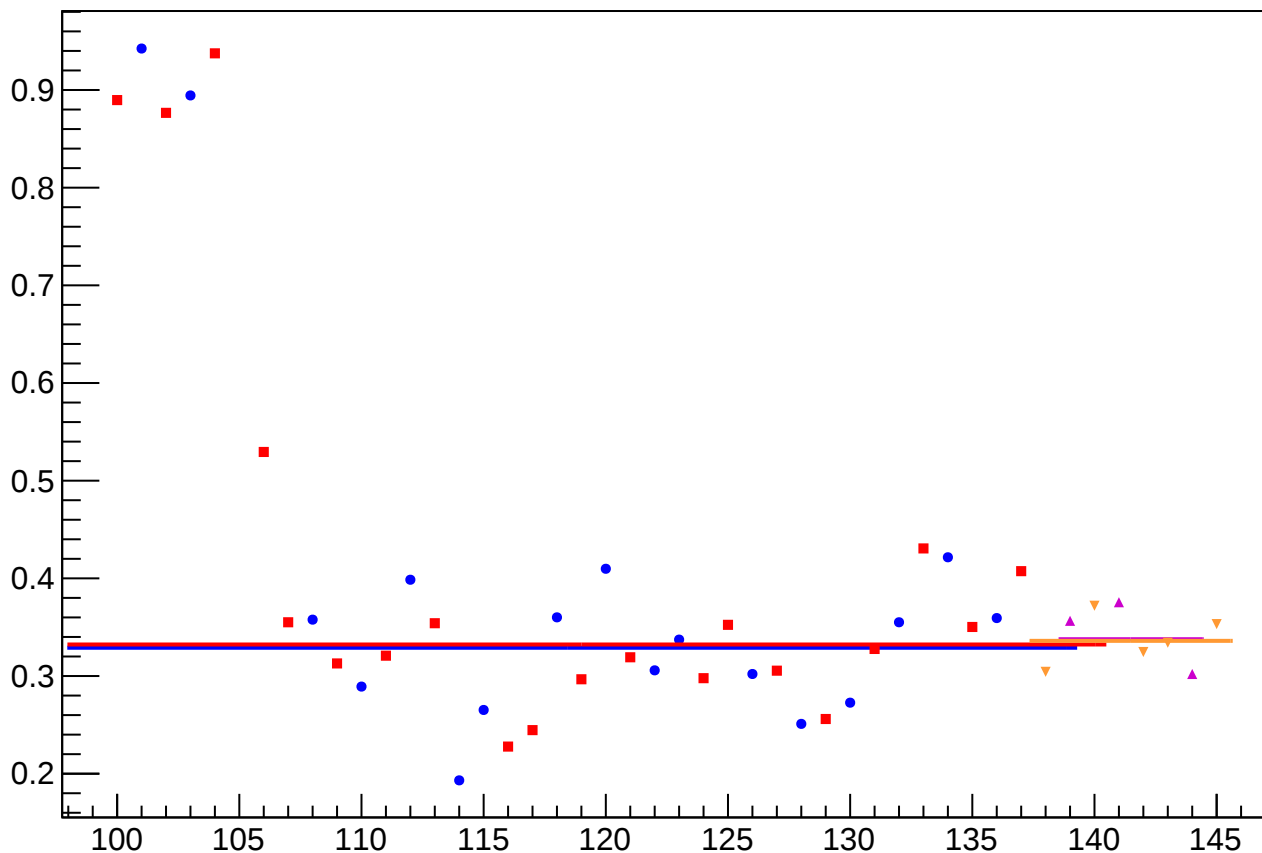
Left In: 149.207 $\pm$ 0.000 χ^2 /NDF: 105773.2/2

145.815 $\pm$ 0.000 χ^2 /NDF: 3721470954.5/21

145.888 $\pm$ 0.000 χ^2 /NDF: 8105854722.6/

145.967 $\pm$ 0.000 χ^2 /NDF: 4383510851.3/22

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

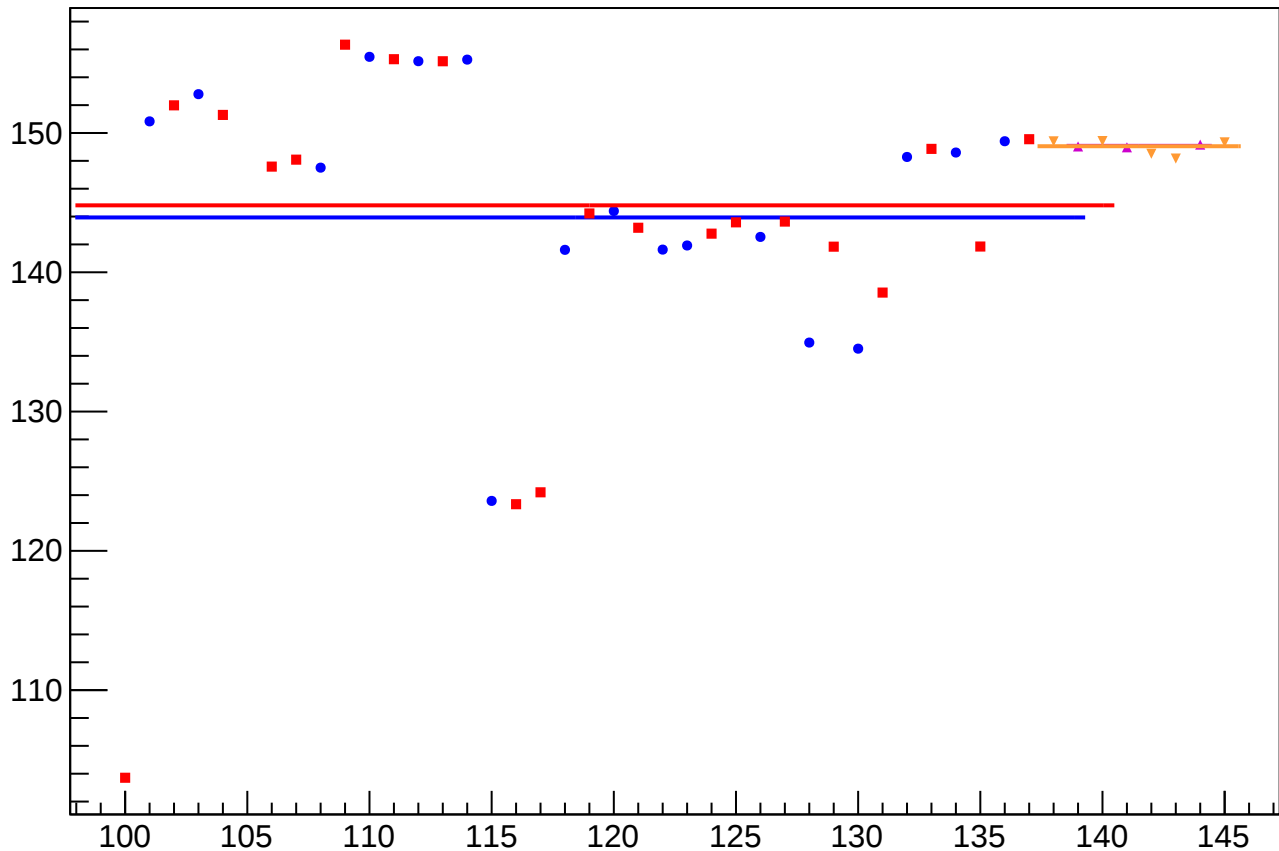
Left In: 0.338 $\pm$ 0.000 χ^2 /NDF:42771.3/2

0.331 $\pm$ 0.000 χ^2 /NDF: 1311791.2/21

0.333 $\pm$ 0.000 χ^2 /NDF: 2547453.5/44

0.334 $\pm$ 0.000 χ^2 /NDF: 1235252.0/22

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

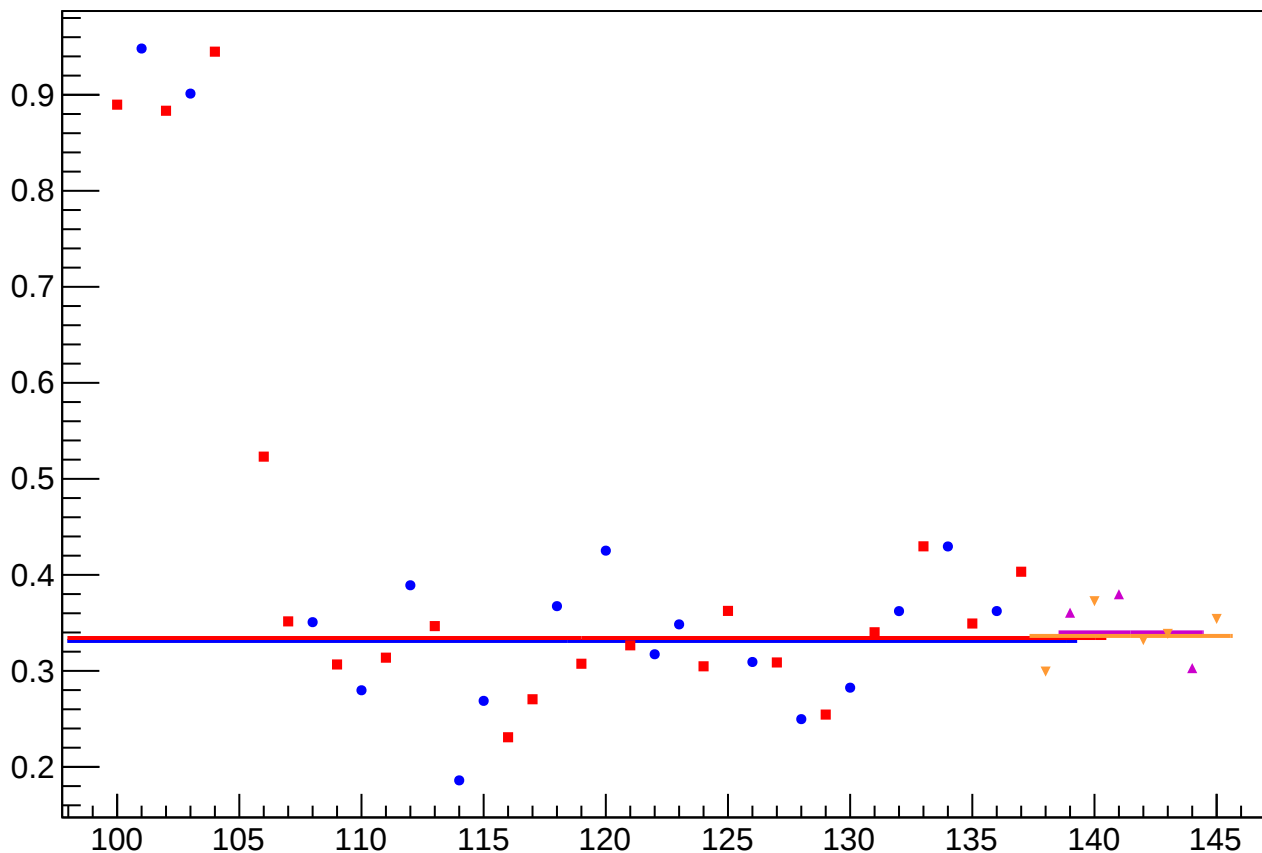
Left In: 149.077 $\pm$ 0.000 χ^2 /NDF: 141303.1/2

145.735 $\pm$ 0.000 χ^2 /NDF: 3850543747.3/21

145.841 $\pm$ 0.000 χ^2 /NDF: 8250001435.3/21

145.955 $\pm$ 0.000 χ^2 /NDF: 4397637102.0/22

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

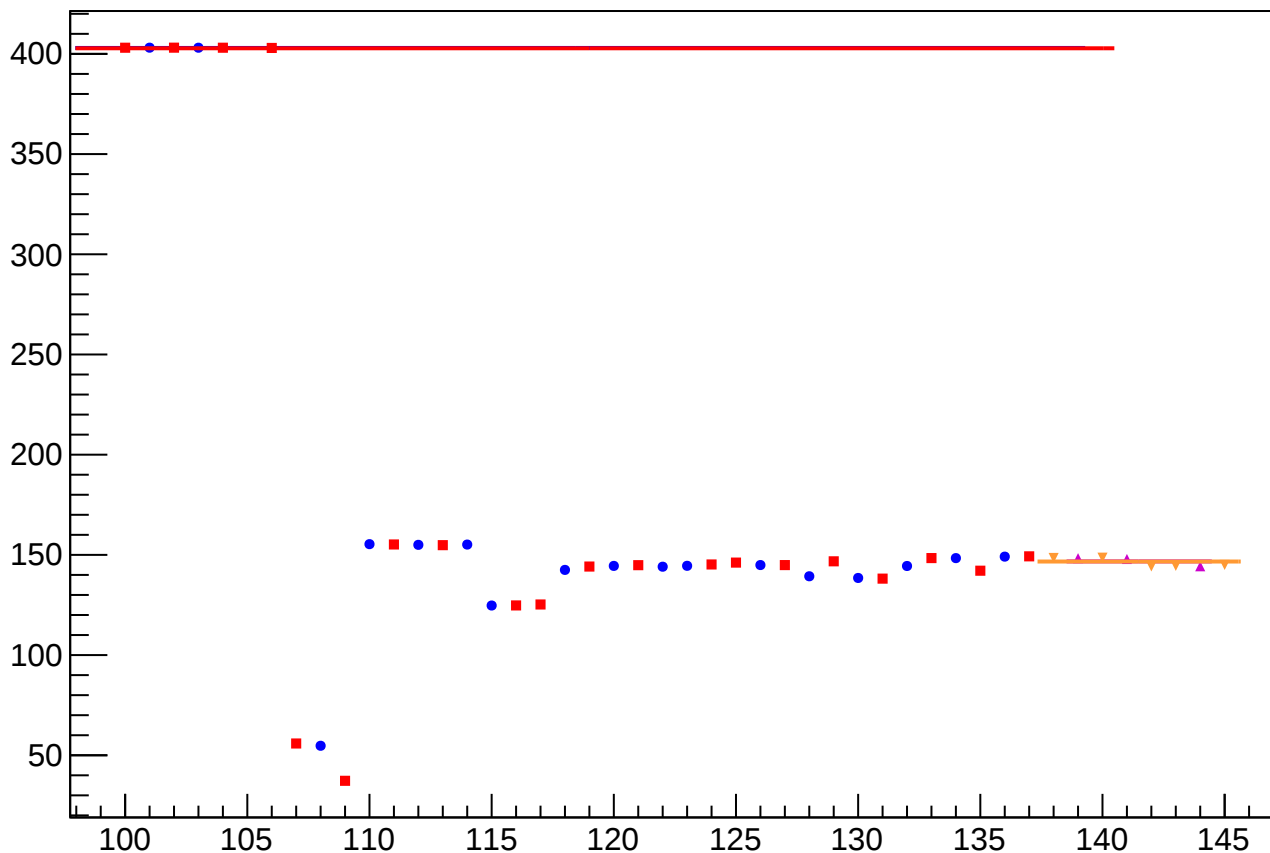
Left In: 0.340+/-0.000 χ^2/NDF : 46298.9/2

0.333+/-0.000 χ^2/NDF : 1336157.4/21

0.334+/-0.000 χ^2/NDF : 2560189.0/44

0.336+/-0.000 χ^2/NDF : 1223442.9/22

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

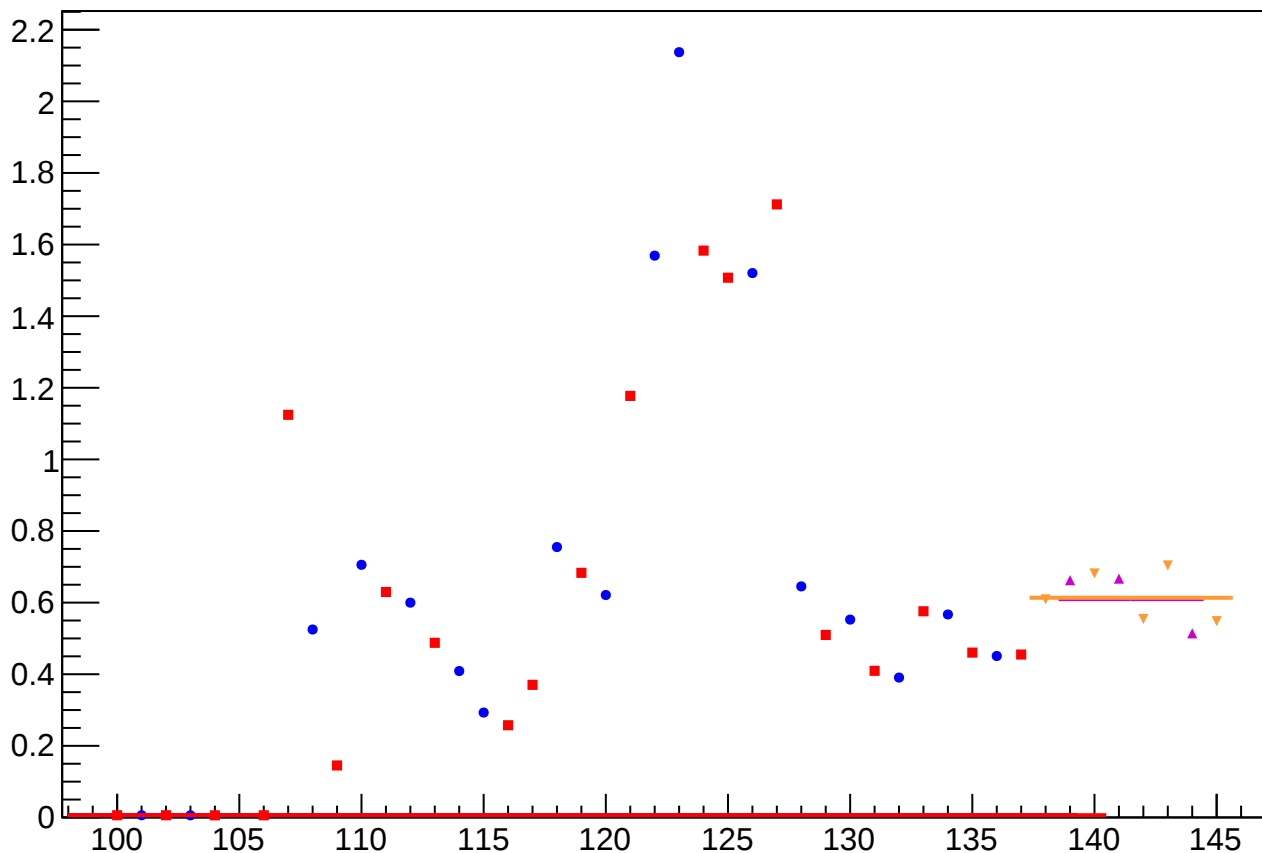
Left In: 146.743+/-0.000 χ^2/NDF : 15088824.8/2

402.909+/-0.000 χ^2/NDF : 1483160780652.4/21

402.832+/-0.000 χ^2/NDF : 489497717464

402.765+/-0.000 χ^2/NDF : 3411472422935.1/22

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

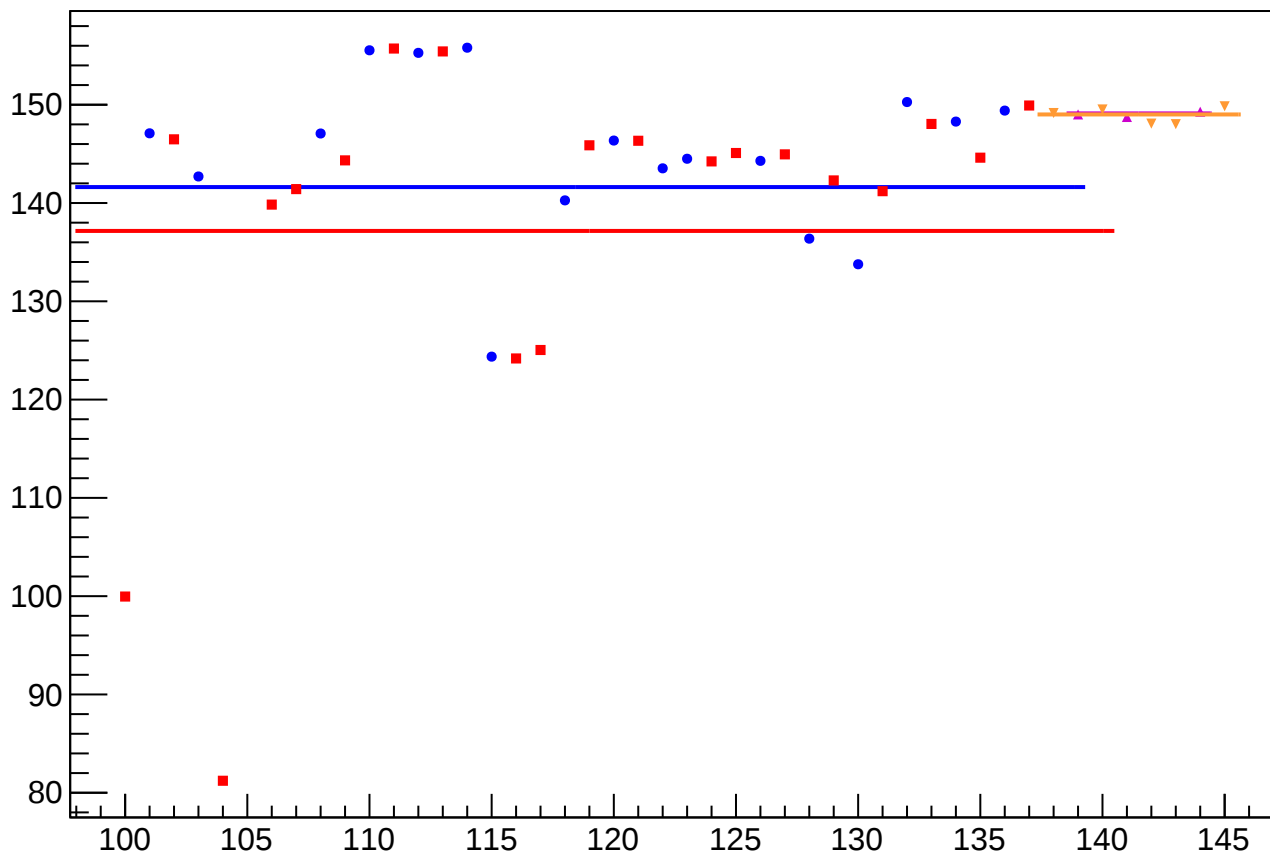
Left In: 0.610+/-0.000 χ^2/NDF : 46437.3/2

0.006+/-0.000 χ^2/NDF : 13540023.6/21

0.006+/-0.000 χ^2/NDF : 26070141.2/44

0.006+/-0.000 χ^2/NDF : 12530041.0/22

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

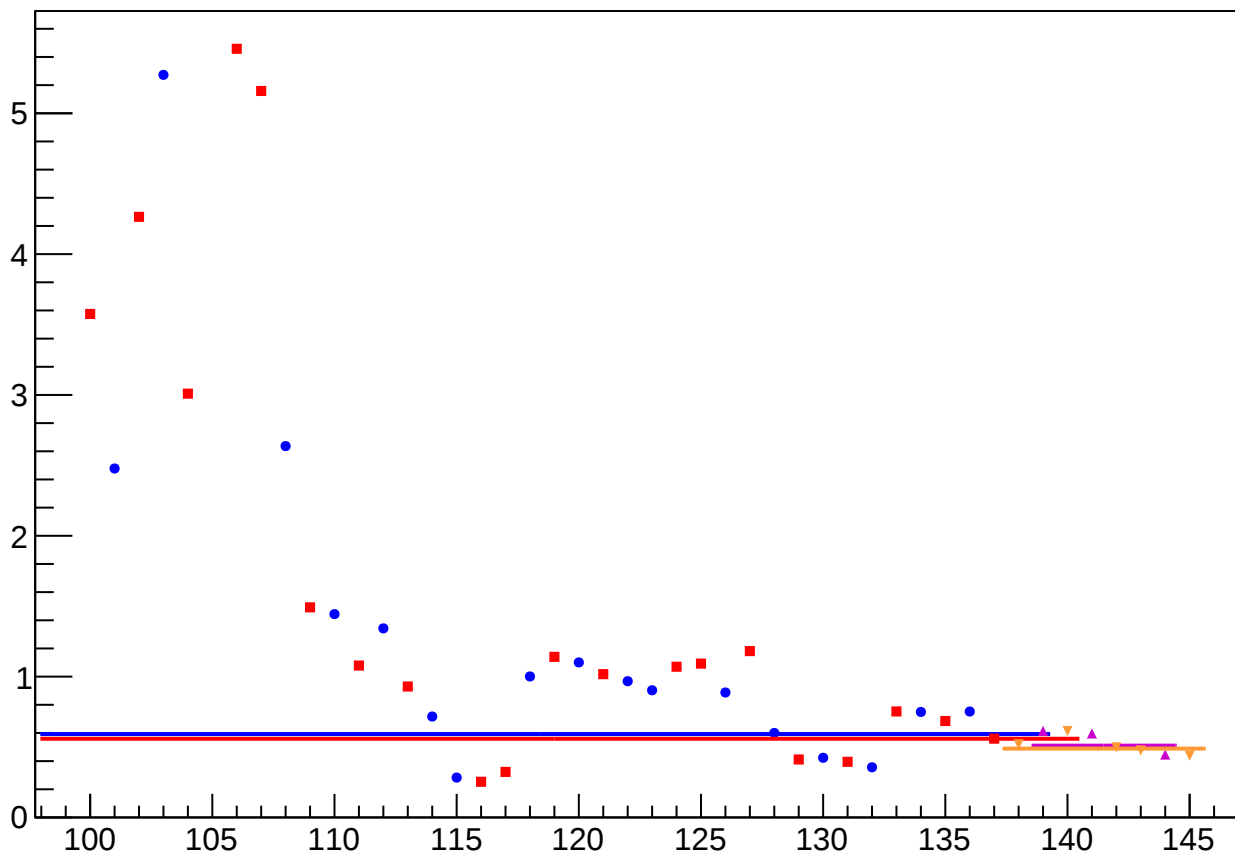
Left In: 149.120 $\pm$ 0.000 χ^2 /NDF: 303128.9/2

145.319 $\pm$ 0.000 χ^2 /NDF: 1264928795.5/21

143.547 $\pm$ 0.000 χ^2 /NDF: 3331202896.6/22

141.444 $\pm$ 0.000 χ^2 /NDF: 1927223017.2/22

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.592+/-0.000 χ^2/NDF : 3521577.2/16

Left Out: 0.489+/-0.000 χ^2/NDF : 59481.9/4

Right Out: 0.559+/-0.000 χ^2/NDF : 4719868.1/19

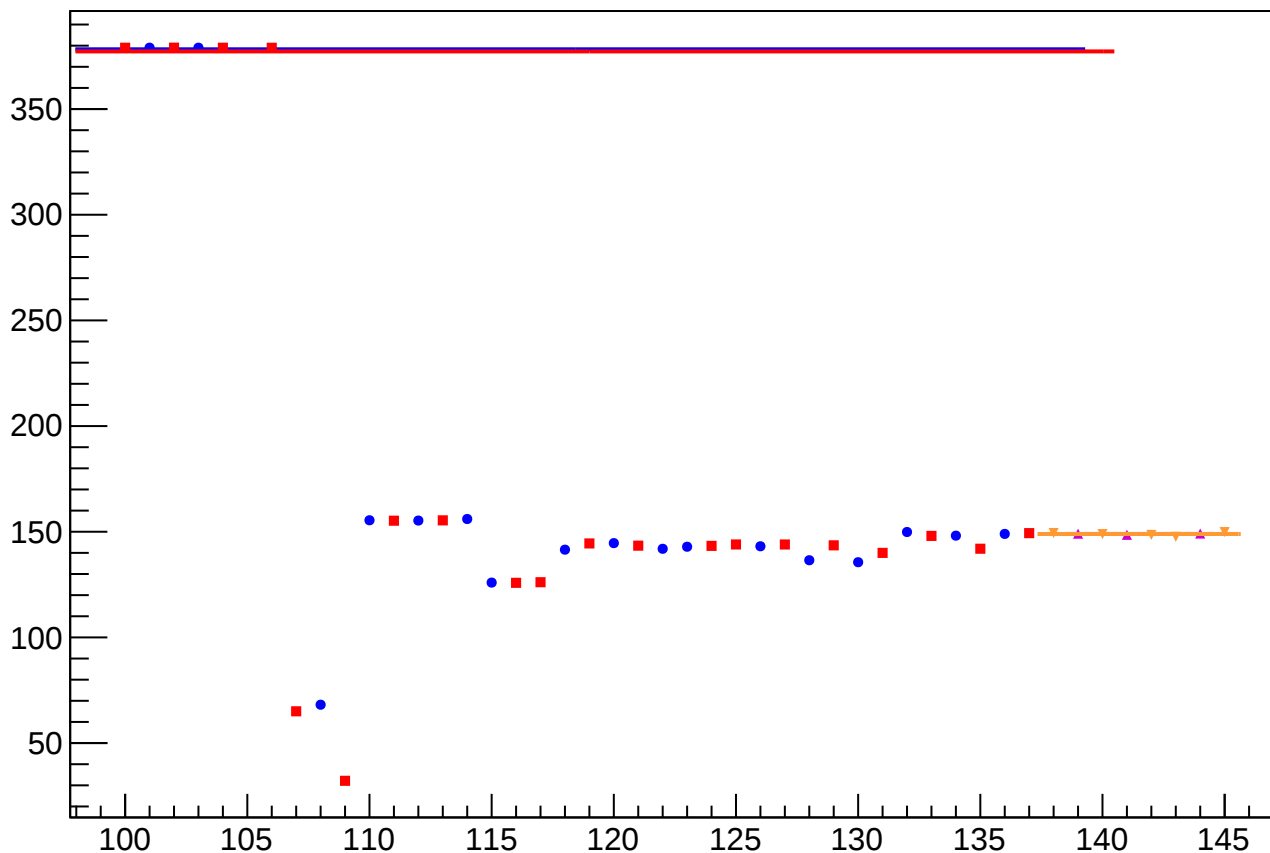
Left In: 0.510+/-0.000 χ^2/NDF : 73207.2/2

0.541+/-0.000 χ^2/NDF : 3689241.4/21

0.541+/-0.000 χ^2/NDF : 8501162.0/44

0.541+/-0.000 χ^2/NDF : 4811910.1/22

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

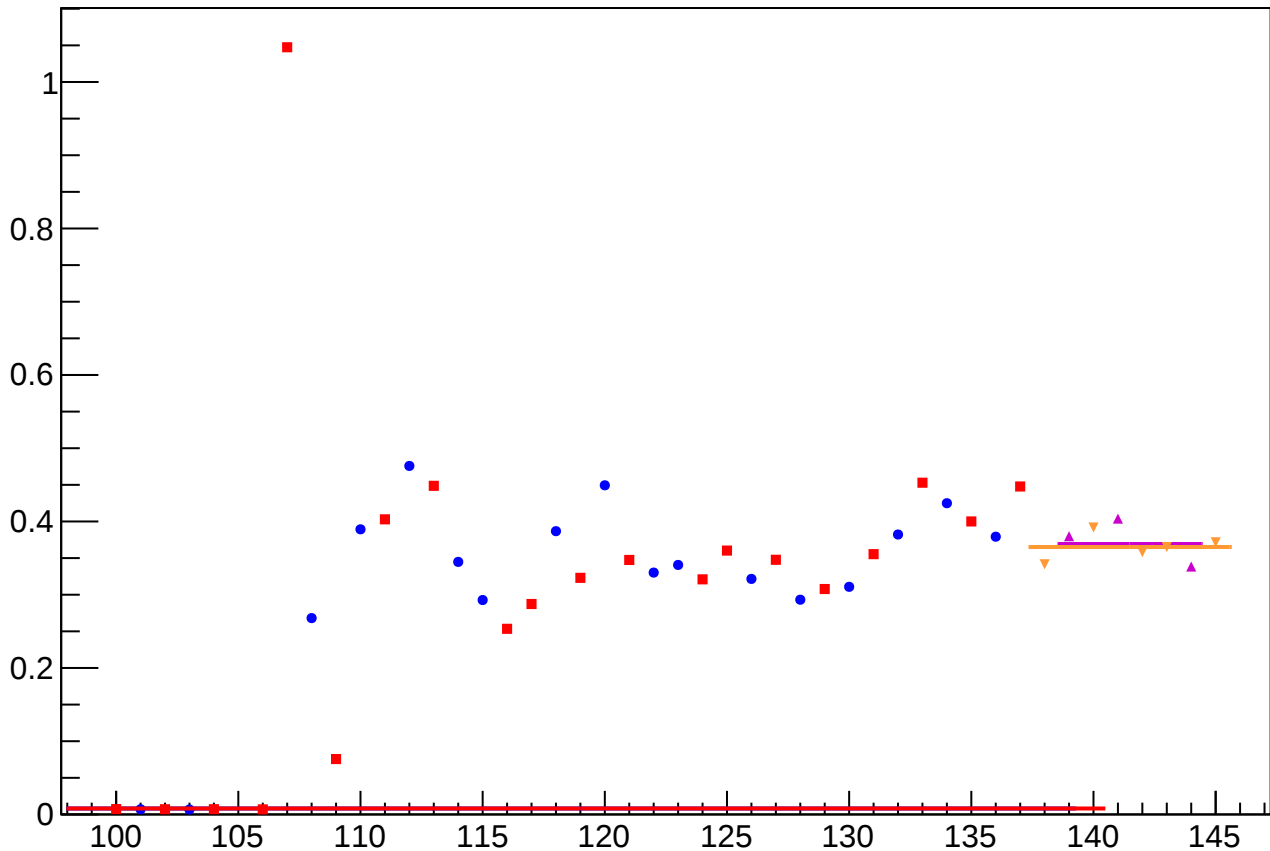
Left In: 148.946+/-0.000 χ^2/NDF : 1170016.5/2

377.870+/-0.000 χ^2/NDF : 3769129786939.0/21

377.422+/-0.000 χ^2/NDF : 129591597248

377.029+/-0.000 χ^2/NDF : 9185002199325.6/22

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

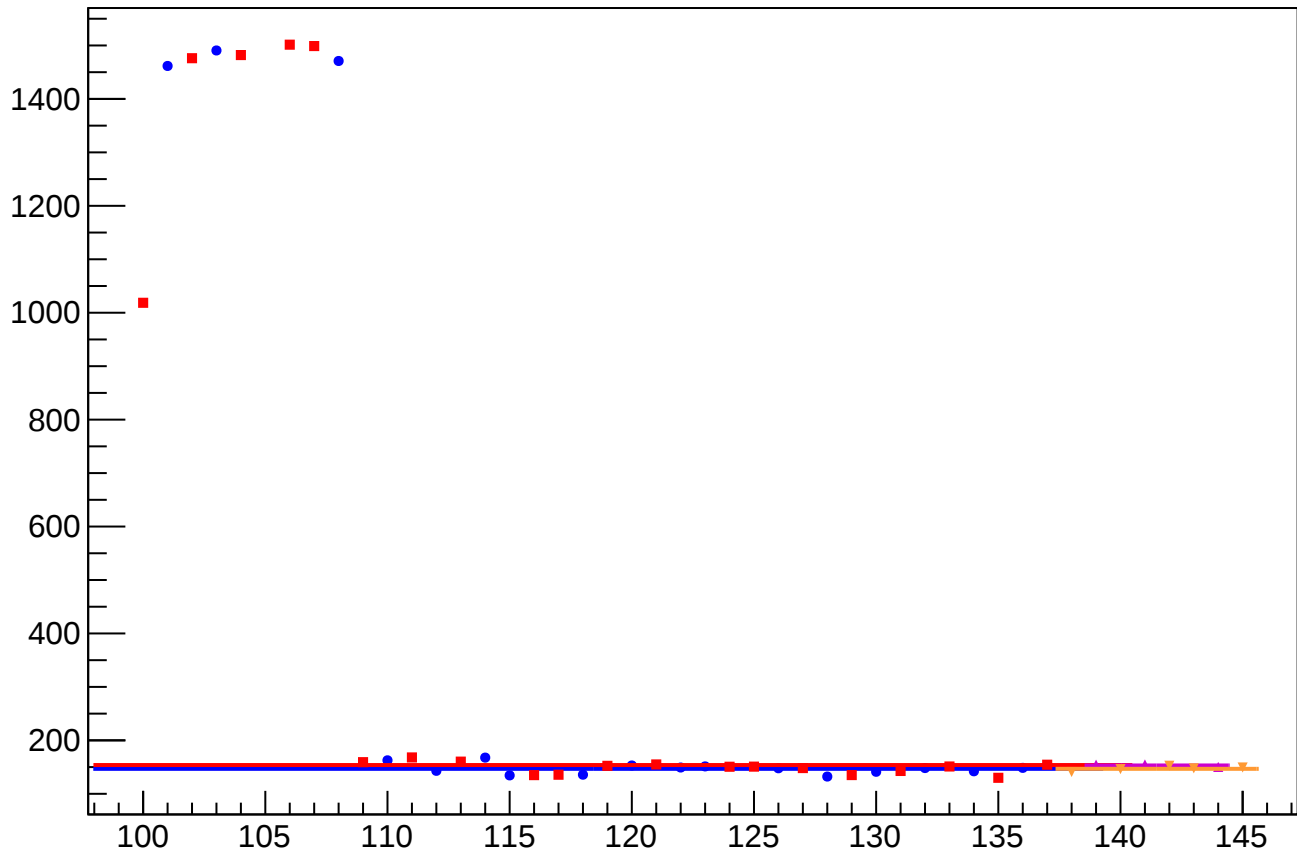
Left In: 0.369 $\pm$ 0.000 χ^2/NDF : 26936.7/2

0.009 $\pm$ 0.000 χ^2/NDF : 15992033.3/21

0.009 $\pm$ 0.000 χ^2/NDF : 30015738.4/44

0.009 $\pm$ 0.000 χ^2/NDF : 14023063.9/22

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

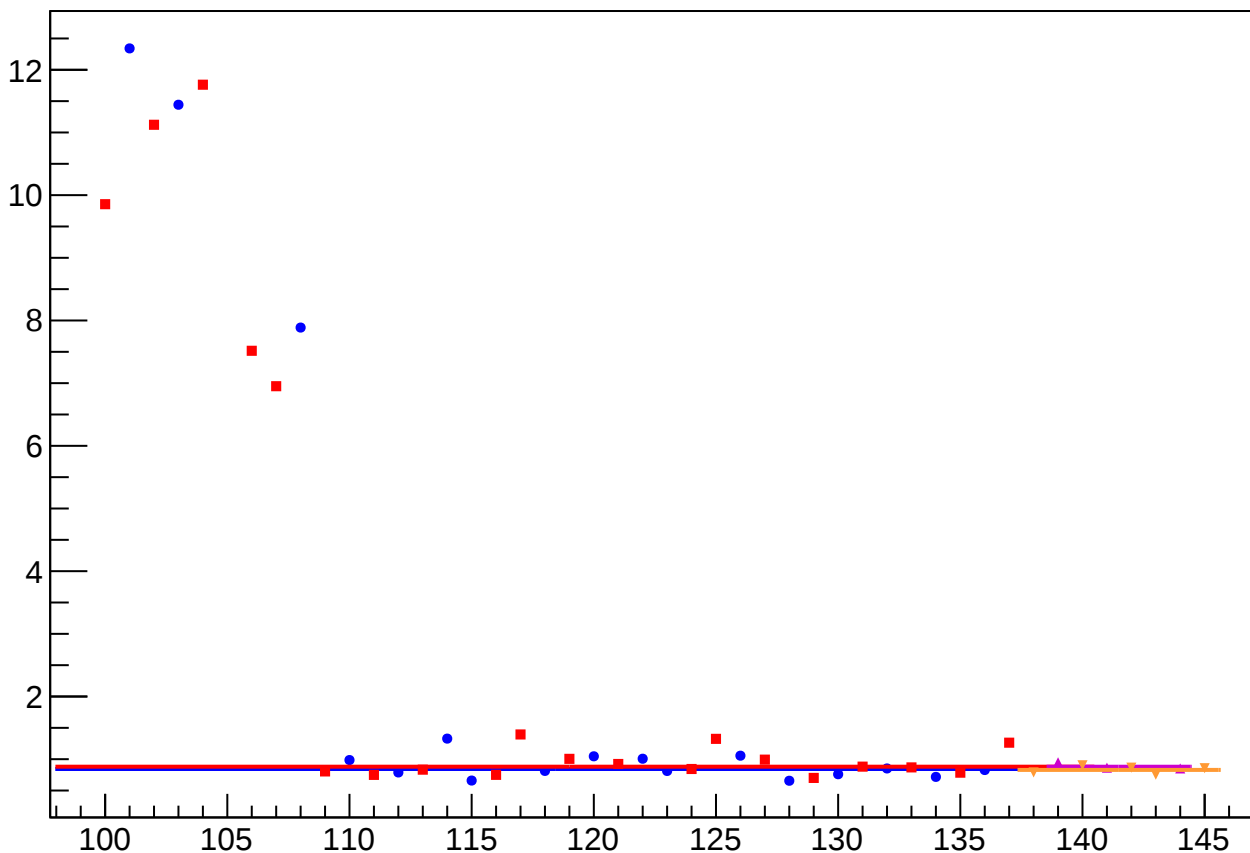
Left In: 153.018+/-0.001 χ^2/NDF : 11212734.3/2

146.728+/-0.000 χ^2/NDF : 24396576473.9/21

149.921+/-0.000 χ^2/NDF : 58343126644.9

153.580+/-0.000 χ^2/NDF : 33757000837.3/22

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.844 $\pm$ 0.000 χ^2 /NDF: 2670470.7/16

Left Out: 0.829 $\pm$ 0.000 χ^2 /NDF:20459.3/4

Right Out: 0.880 $\pm$ 0.000 χ^2 /NDF: 2823230.1/19

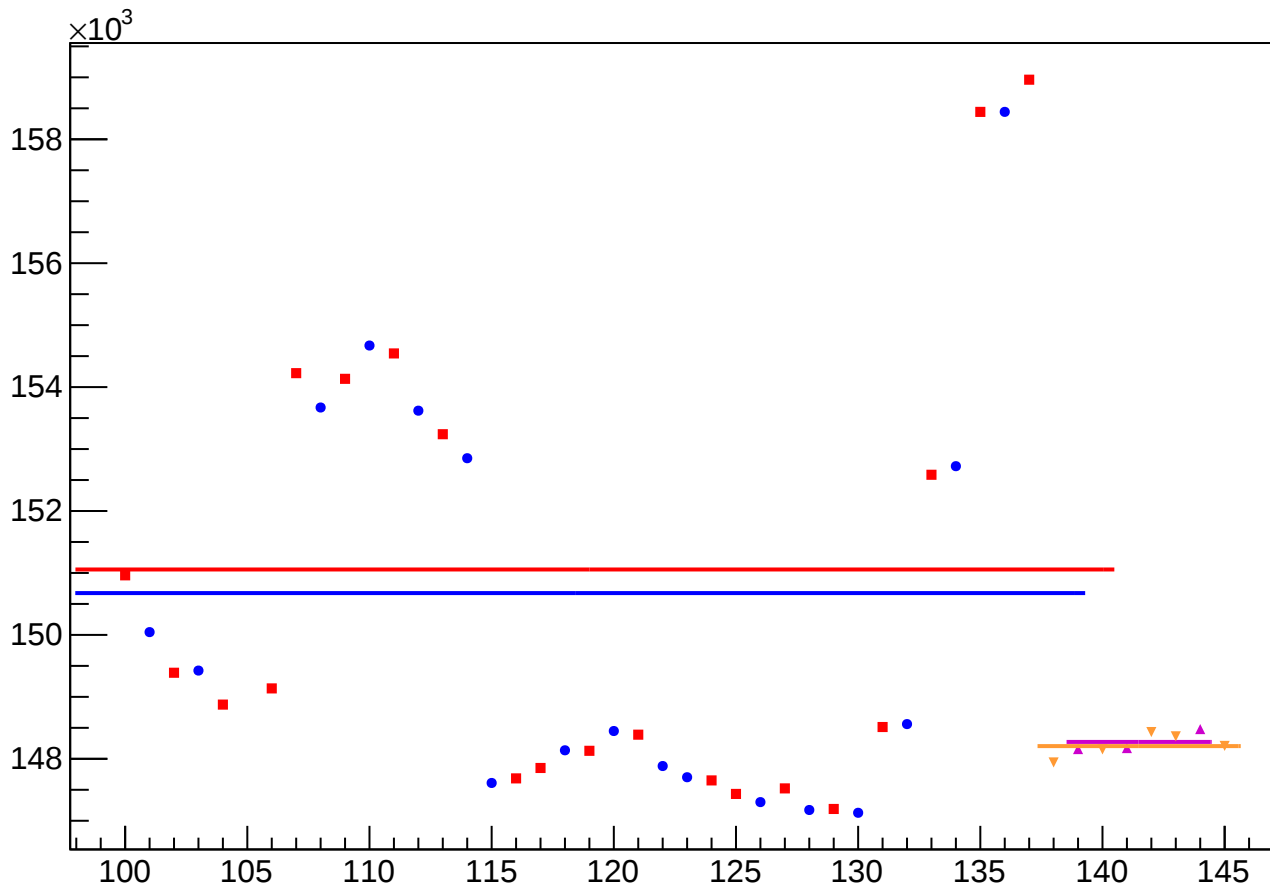
Left In: 0.880 $\pm$ 0.000 χ^2 /NDF:6935.9/2

0.838 $\pm$ 0.000 χ^2 /NDF: 2691818.9/21

0.858 $\pm$ 0.000 χ^2 /NDF: 5536289.7/44

0.880 $\pm$ 0.000 χ^2 /NDF: 2830167.3/22

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

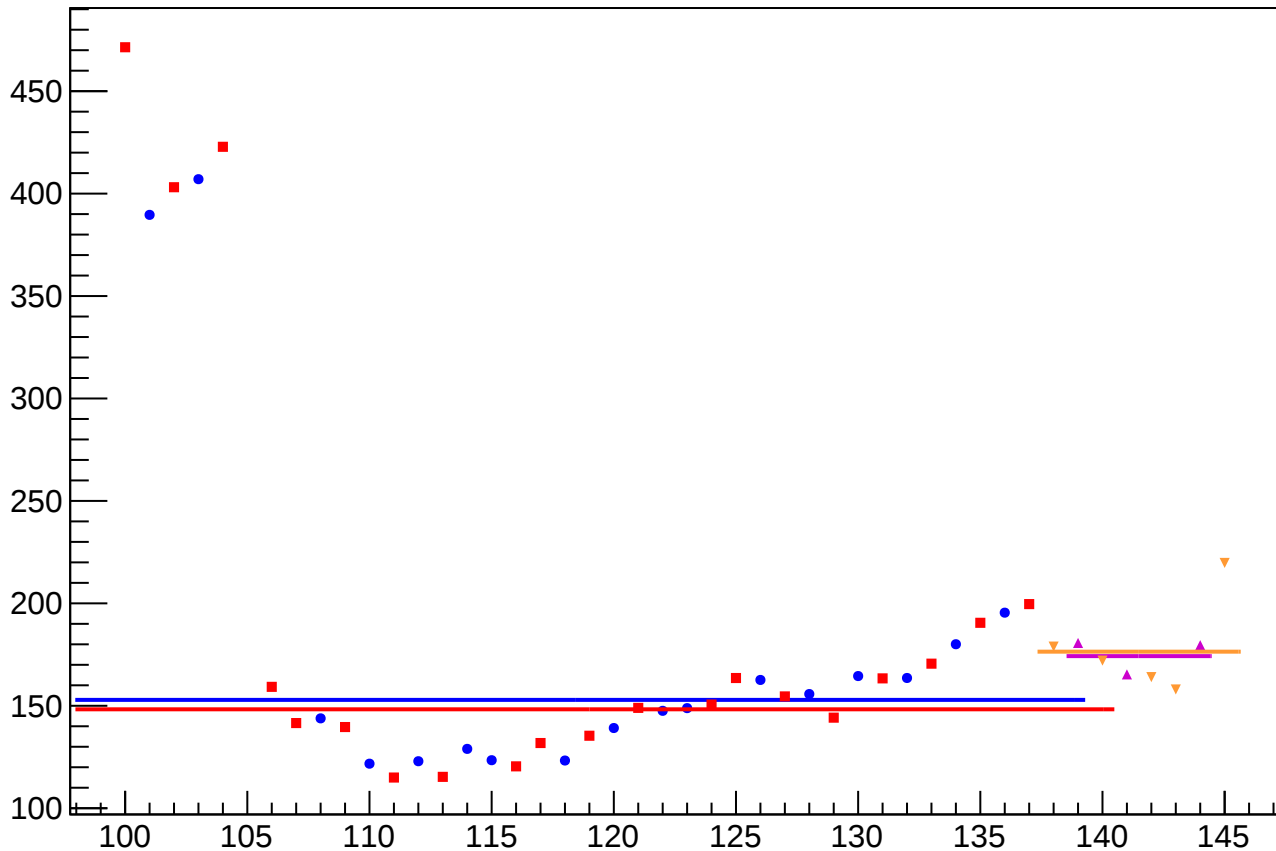
Left In: 148272.664 $\pm$ 0.114 χ^2 /NDF: 1705512.1/2

149958.218 $\pm$ 0.053 χ^2 /NDF: 3759609969.7/21

150209.436 $\pm$ 0.037 χ^2 /NDF: 760330127

150456.993 $\pm$ 0.053 χ^2 /NDF: 3799158419.1/22

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 152.883+/-0.045 χ^2/NDF : 1154088.7/16

Left Out: 176.418+/-0.070 χ^2/NDF : 81335.7/4

Right Out: 148.278+/-0.042 χ^2/NDF : 1192879.8/19

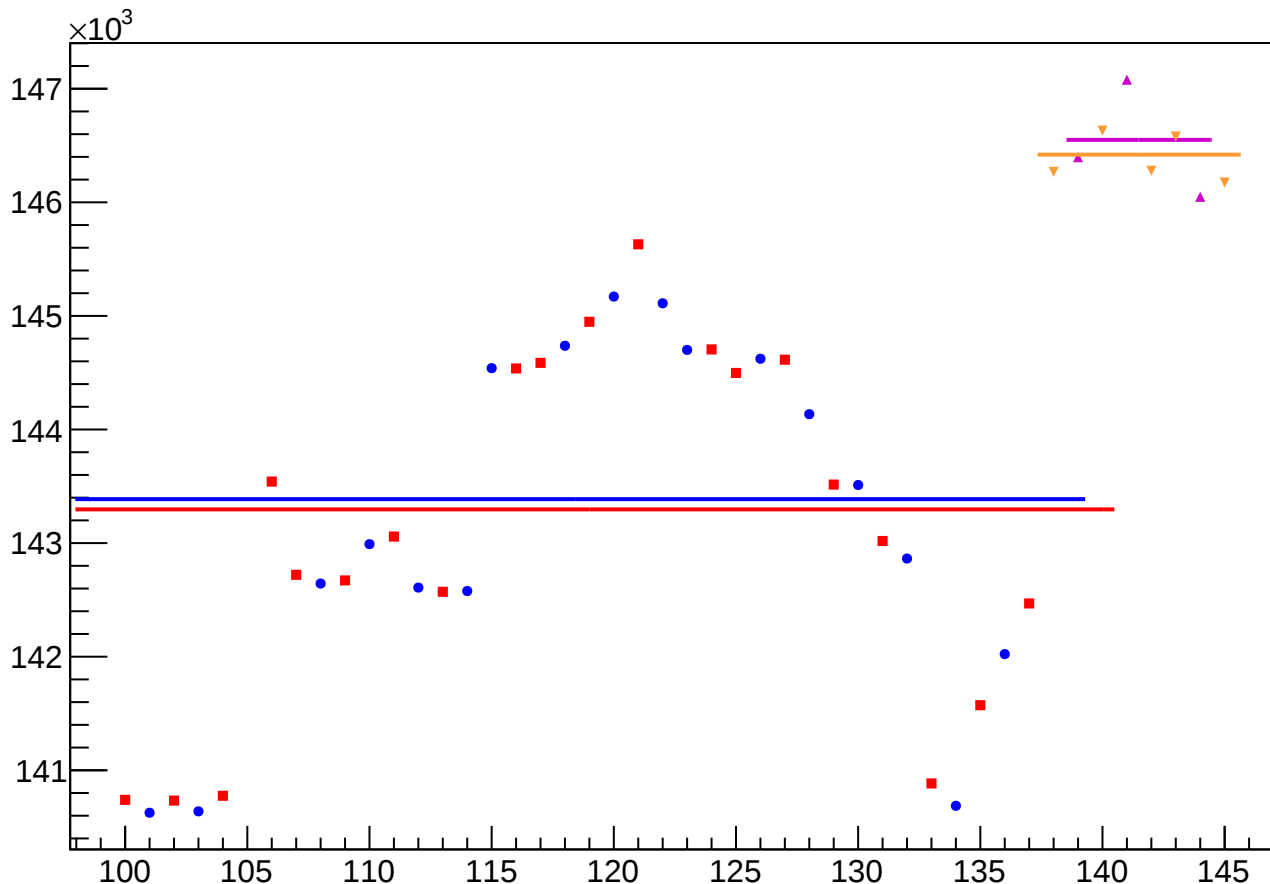
Left In: 174.243+/-0.080 χ^2/NDF : 8078.9/2

159.713+/-0.038 χ^2/NDF : 1316525.6/21

156.768+/-0.026 χ^2/NDF : 2611861.8/44

153.867+/-0.037 χ^2/NDF : 1283097.7/22

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

144066.884 $\pm$ 0.046 χ^2 /NDF: 1266427407.1/21

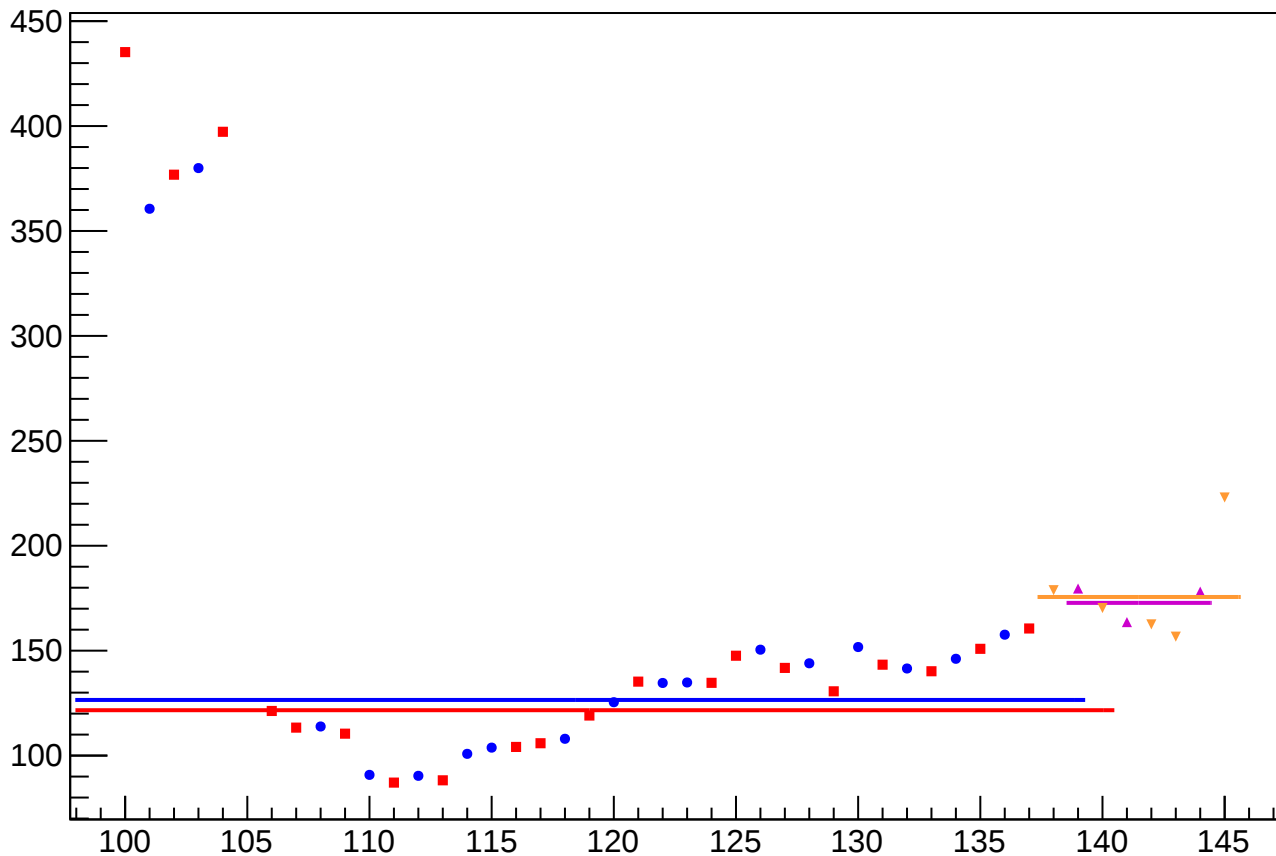
Right Out: 143296.790 $\pm$ 0.049 χ^2 /NDF: 615134284.0/19

143935.515 $\pm$ 0.032 χ^2 /NDF: 261622734

Left In: 146550.052 $\pm$ 0.113 χ^2 /NDF: 15983539.7/2

143813.109 $\pm$ 0.045 χ^2 /NDF: 1334341708.9/22

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

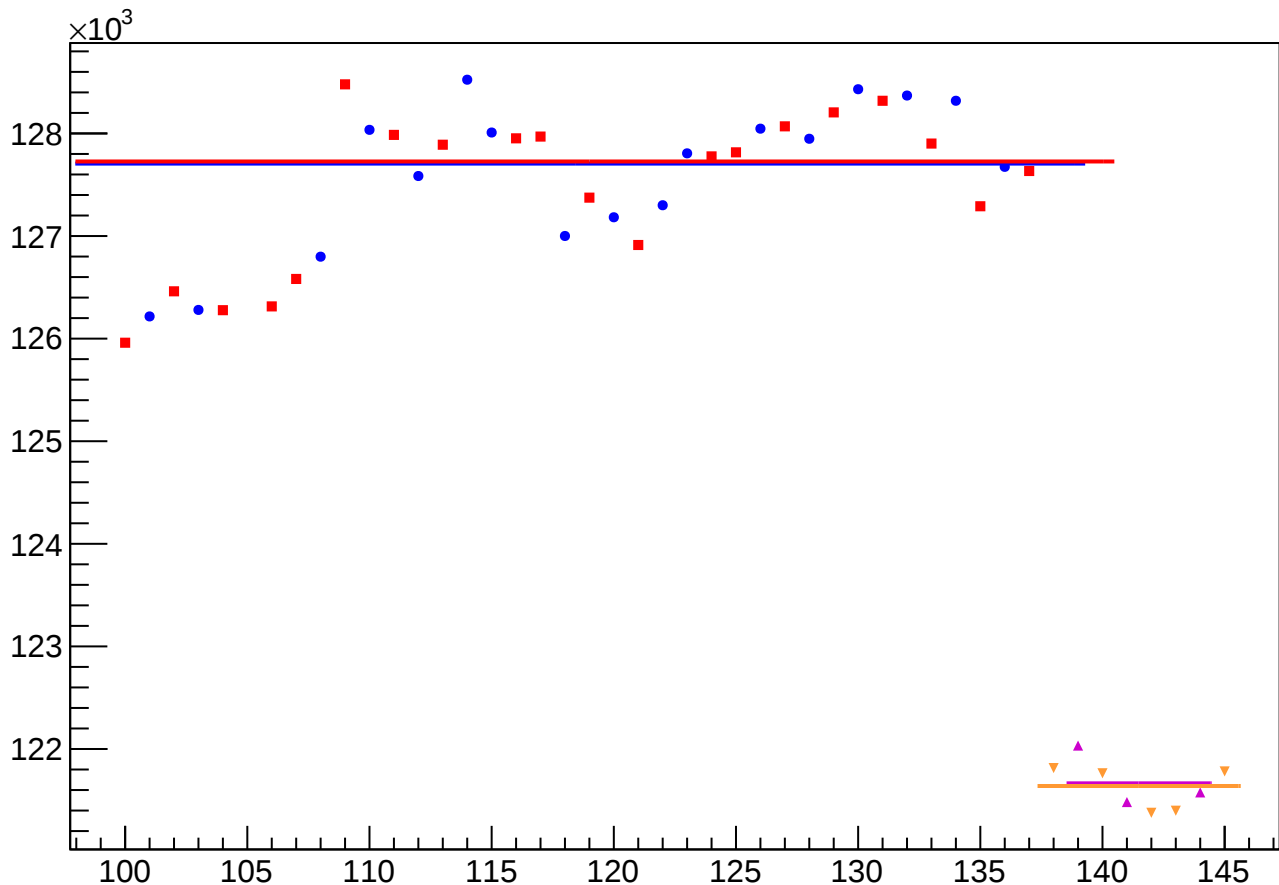
Left In: 172.772 $\pm$ 0.080 χ^2 /NDF:8757.3/2

137.513 $\pm$ 0.033 χ^2 /NDF: 1923216.2/21

133.491 $\pm$ 0.023 χ^2 /NDF: 3774351.2/44

129.743 $\pm$ 0.032 χ^2 /NDF: 1822147.1/22

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

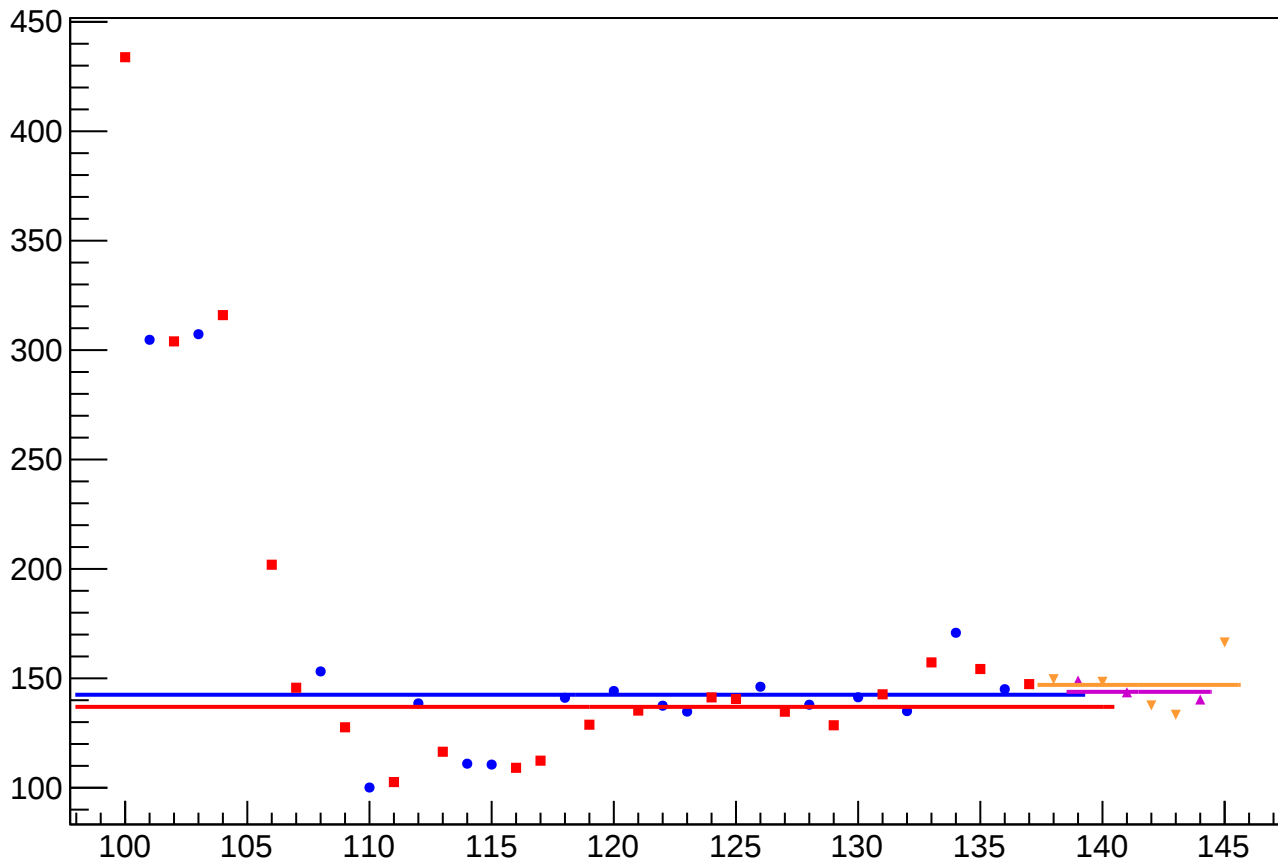
Left In: 121665.196 $\pm$ 0.094 χ^2 /NDF: 5770897.4/2

125704.052 $\pm$ 0.048 χ^2 /NDF: 3706696240.7/21

125961.292 $\pm$ 0.033 χ^2 /NDF: 700080444

126212.822 $\pm$ 0.047 χ^2 /NDF: 3236158802.2/22

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.502 $\pm$ 0.041 χ^2 /NDF: 836263.7/16

Left Out: 147.003 $\pm$ 0.058 χ^2 /NDF: 36498.0/4

Right Out: 136.963 $\pm$ 0.038 χ^2 /NDF: 961465.0/19

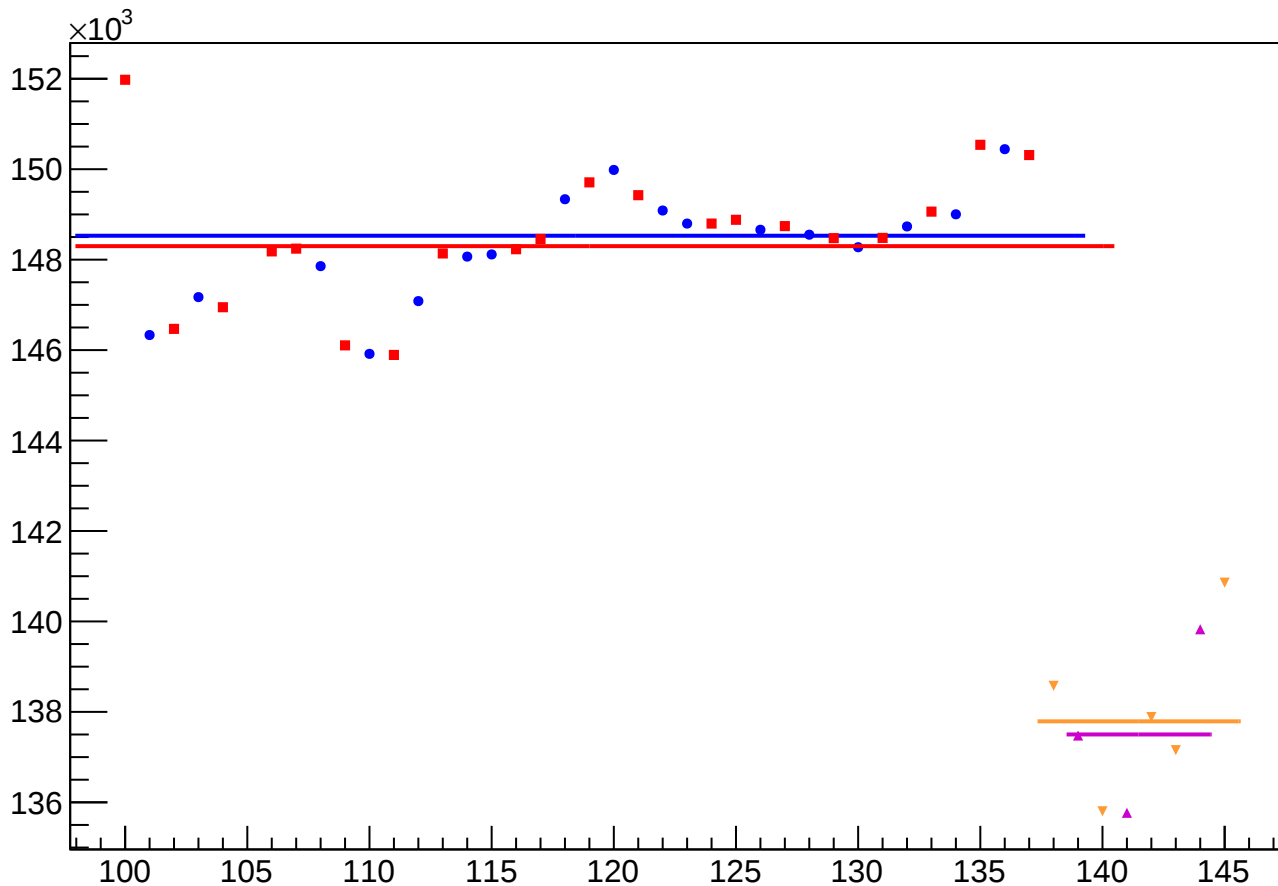
Left In: 143.833 $\pm$ 0.066 χ^2 /NDF: 2671.0/2

143.987 $\pm$ 0.034 χ^2 /NDF: 876729.5/21

141.303 $\pm$ 0.024 χ^2 /NDF: 1861490.2/44

138.679 $\pm$ 0.033 χ^2 /NDF: 972143.8/22

yield_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 148528.851 ± 0.082 $\chi^2/\text{NDF}: 209986594.2/16$

Left Out: 137790.925 ± 0.126 $\chi^2/\text{NDF}: 178224756.9/4$

Right Out: 148298.586 ± 0.076 $\chi^2/\text{NDF}: 293284830.9/19$

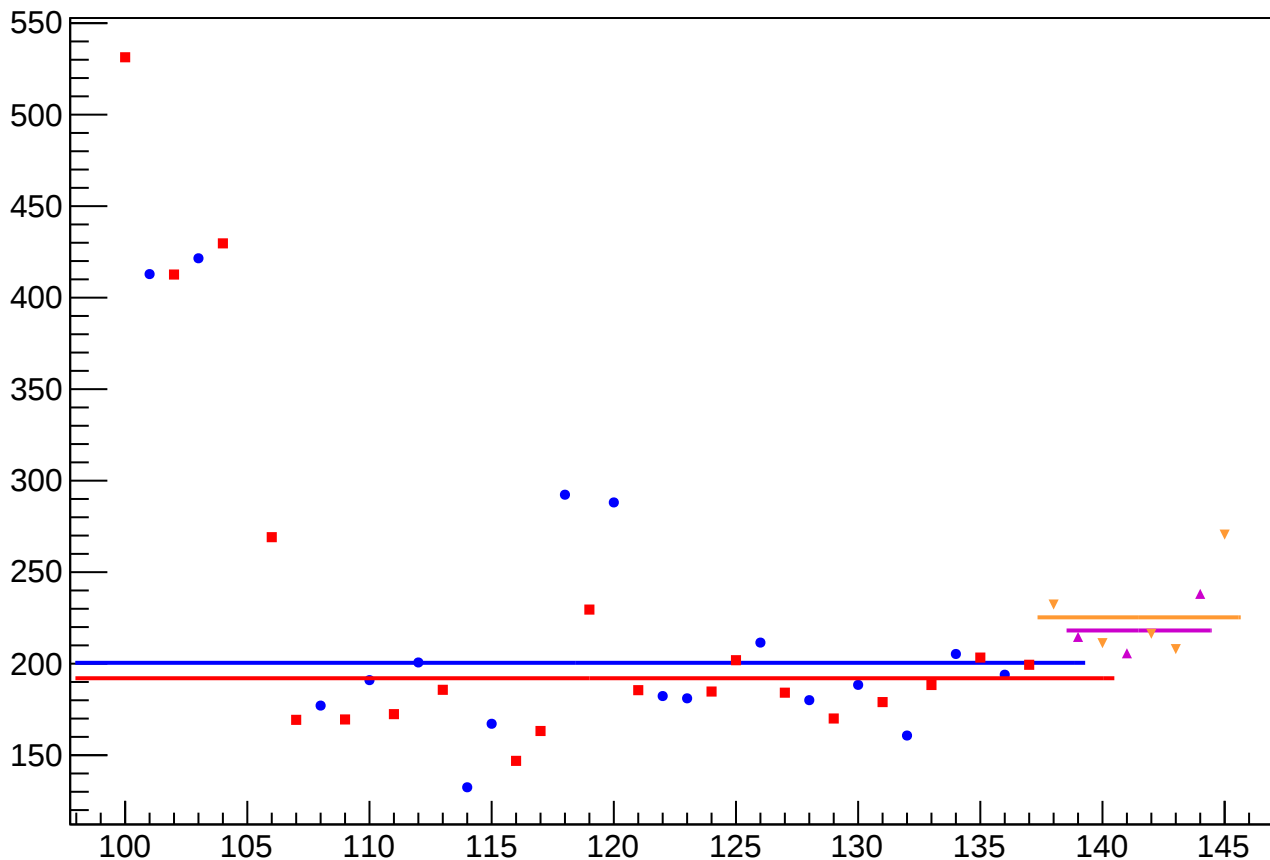
Left In: 137500.965 ± 0.142 $\chi^2/\text{NDF}: 140048386.3/2$

145331.123 ± 0.069 $\chi^2/\text{NDF}: 5486039913.2/21$

145623.127 ± 0.048 $\chi^2/\text{NDF}: 104290841$

145901.007 ± 0.067 $\chi^2/\text{NDF}: 4907860969.7/22$

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 200.472 $\pm$ 0.058 χ^2 /NDF: 936547.2/16

Left Out: 225.318 $\pm$ 0.089 χ^2 /NDF: 59778.6/4

Right Out: 192.040 $\pm$ 0.054 χ^2 /NDF: 847133.0/19

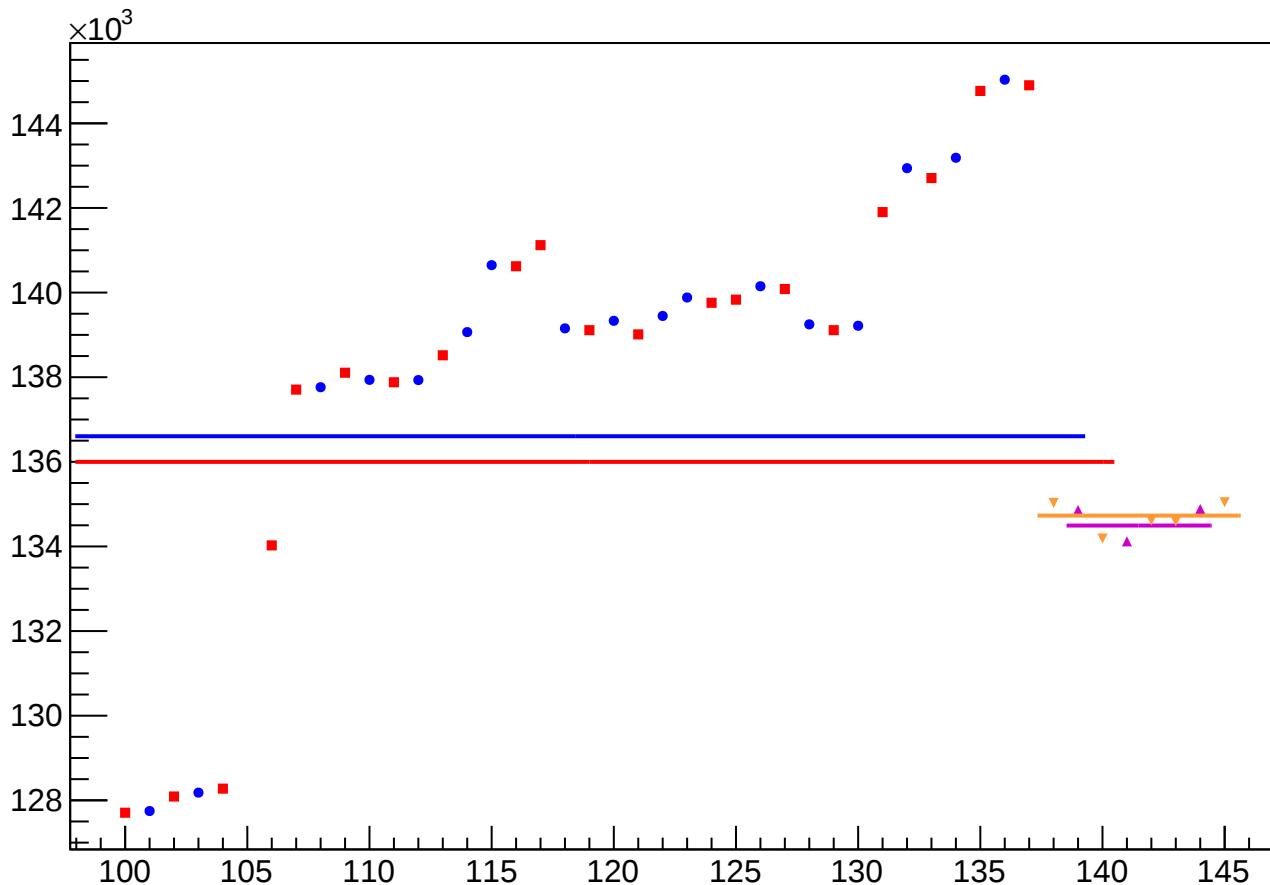
Left In: 218.140 $\pm$ 0.101 χ^2 /NDF: 18449.8/2

207.871 $\pm$ 0.049 χ^2 /NDF: 1050909.7/21

202.729 $\pm$ 0.034 χ^2 /NDF: 1990601.0/44

197.836 $\pm$ 0.047 χ^2 /NDF: 917871.4/22

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

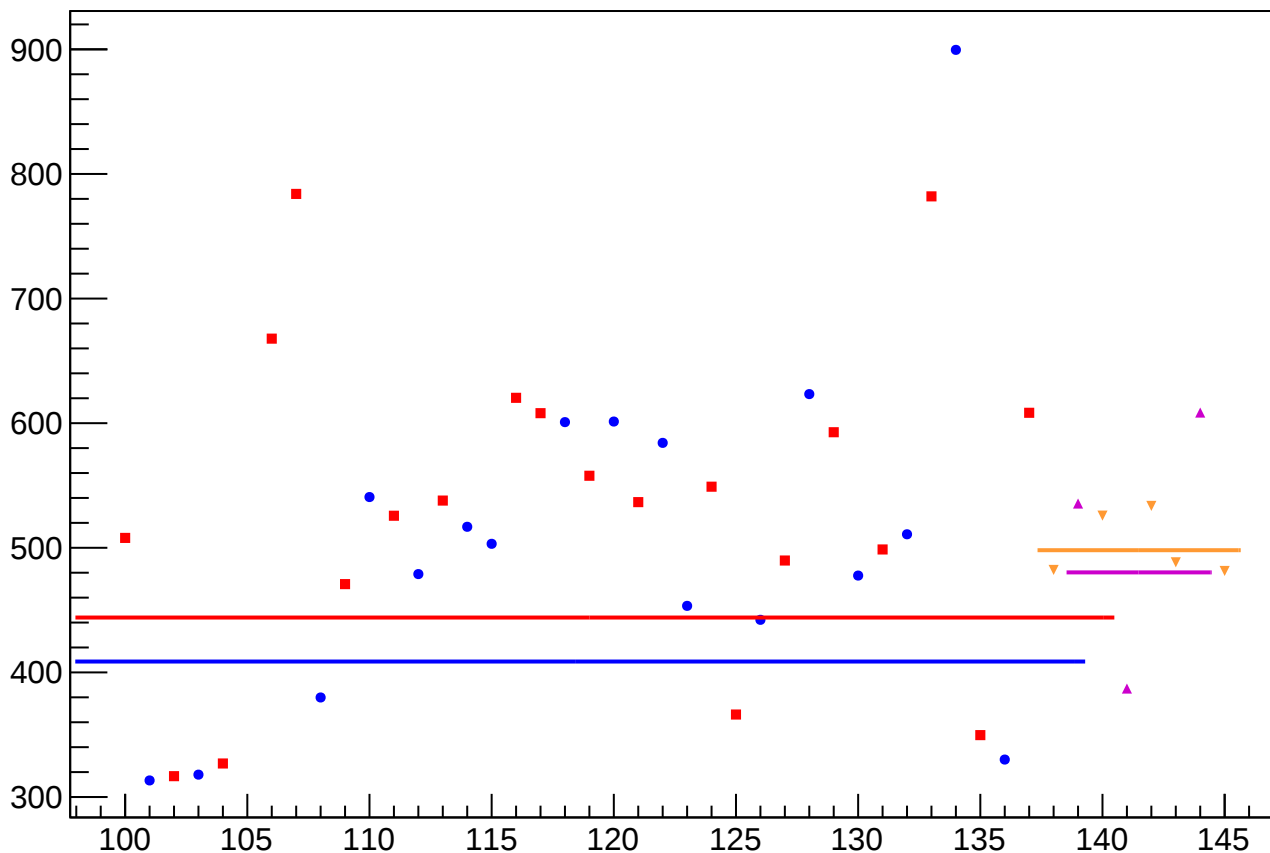
Left In: 134494.106 $\pm$ 0.354 χ^2/NDF : 1135306.5/2

136102.902 $\pm$ 0.147 χ^2/NDF : 1527756480.8/21

135914.072 $\pm$ 0.109 χ^2/NDF : 263173284

135683.435 $\pm$ 0.162 χ^2/NDF : 1100297240.3/22

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 408.729 $\pm$ 0.121 χ^2 /NDF: 823262.8/16

Left Out: 498.064 $\pm$ 0.201 χ^2 /NDF:11210.9/4

Right Out: 444.034 $\pm$ 0.129 χ^2 /NDF: 922545.8/19

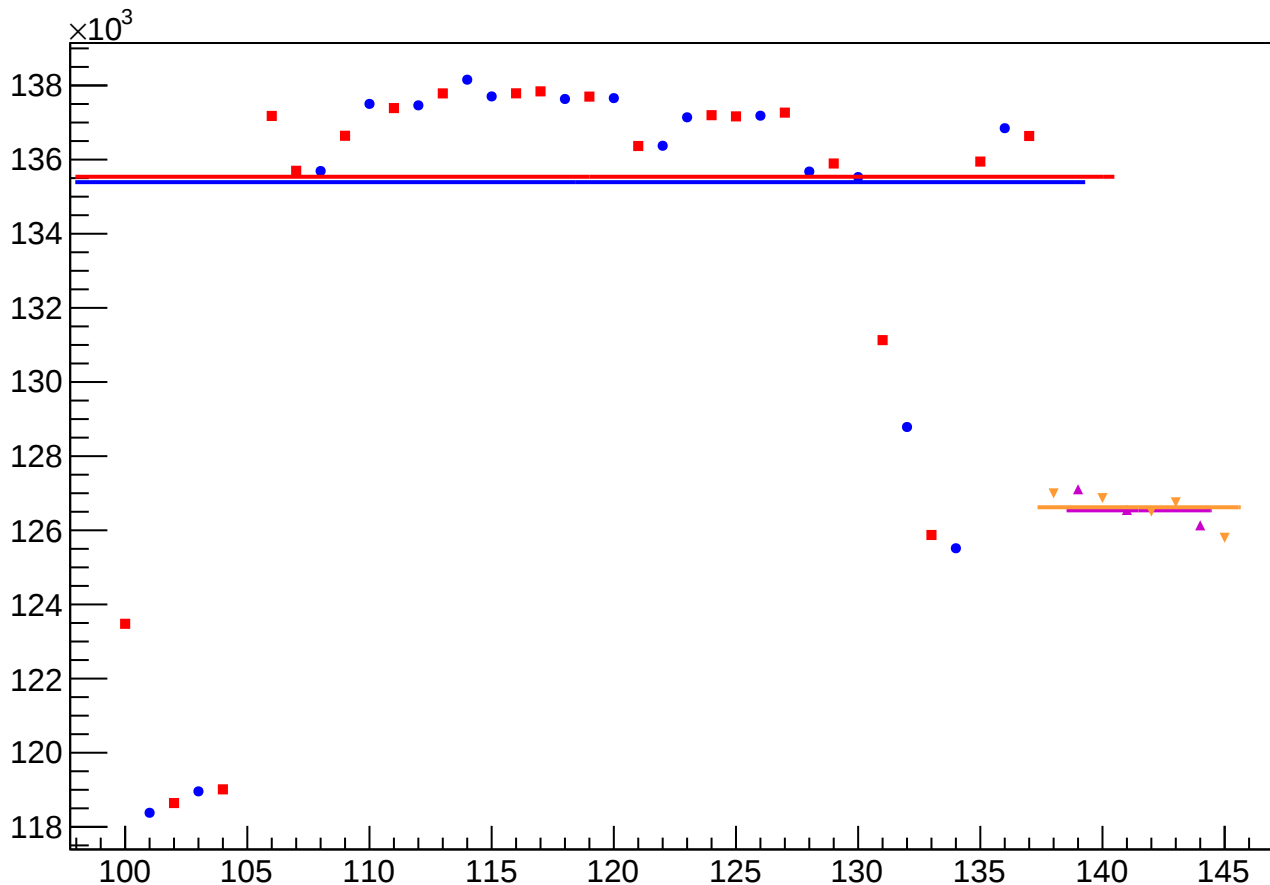
Left In: 480.260 $\pm$ 0.250 χ^2 /NDF:151407.7/2

432.626 $\pm$ 0.104 χ^2 /NDF: 979743.6/21

441.180 $\pm$ 0.077 χ^2 /NDF: 2085331.8/44

451.627 $\pm$ 0.115 χ^2 /NDF: 1090490.1/22

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

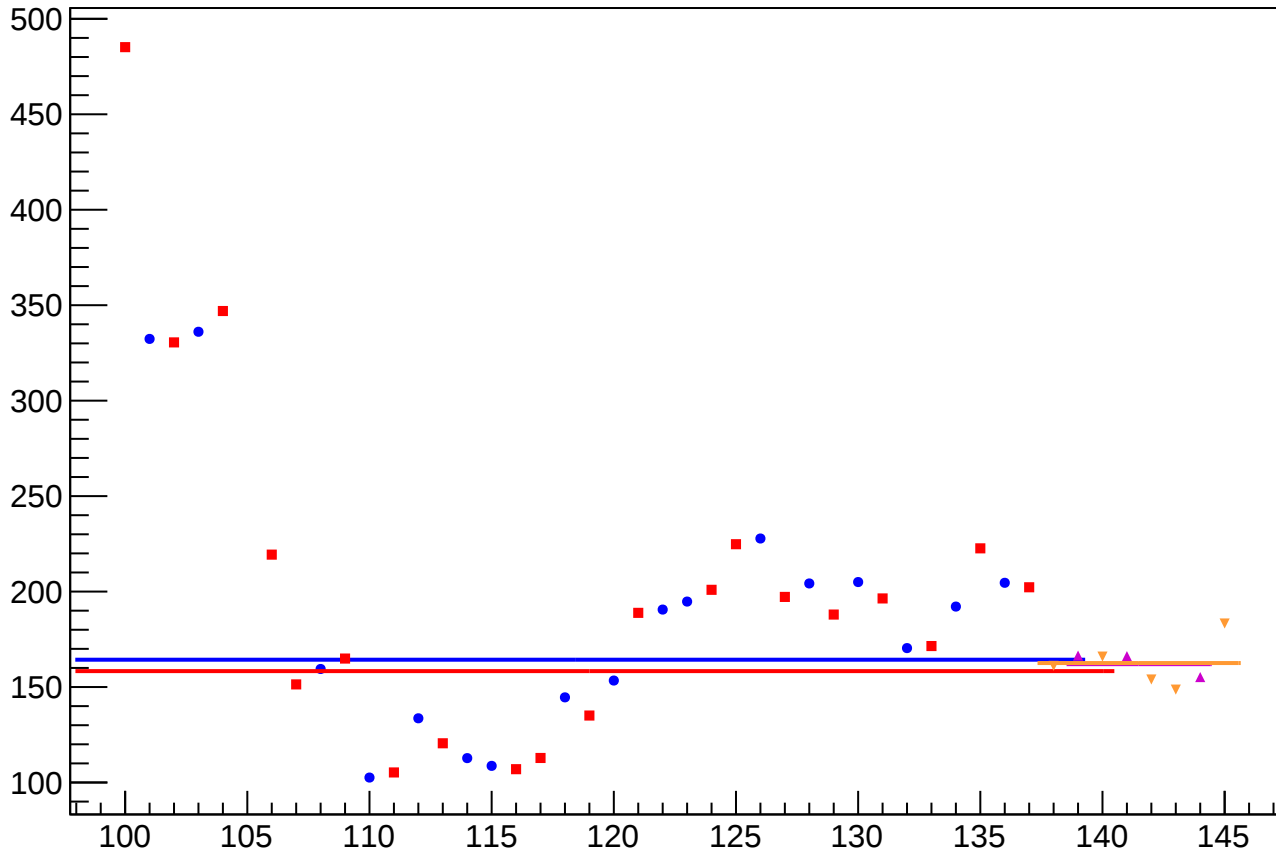
Left In: 126538.399 $\pm$ 0.106 χ^2/NDF : 13617246.2/2

132225.740 $\pm$ 0.055 χ^2/NDF : 10559335314.4/2

132673.291 $\pm$ 0.039 χ^2/NDF : 207707015

133122.916 $\pm$ 0.055 χ^2/NDF : 10076526769.8/2

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

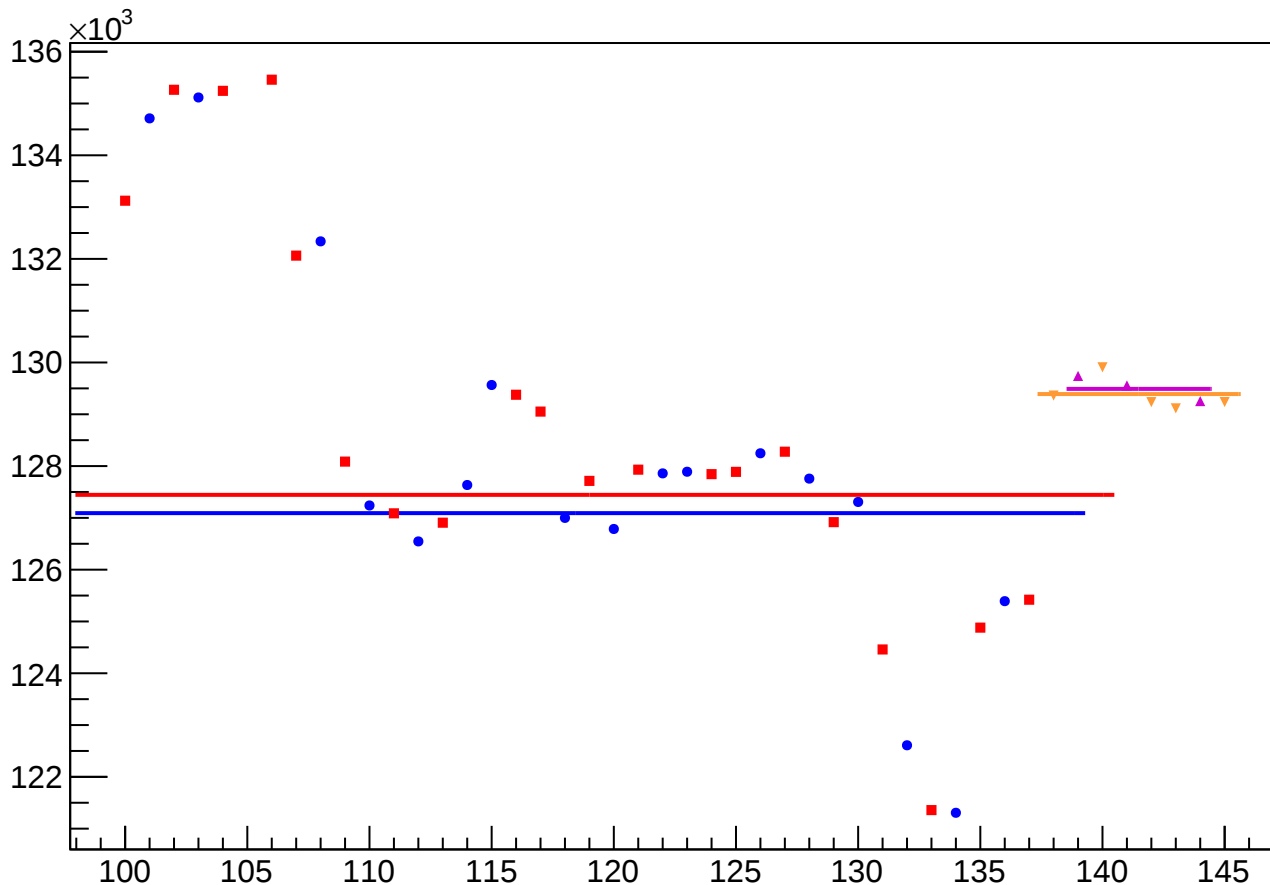
Left In: 161.981 +/- 0.075 χ^2/NDF : 5262.7/2

163.680 +/- 0.039 χ^2/NDF : 1263758.7/21

161.502 +/- 0.027 χ^2/NDF : 2675475.2/44

159.314 +/- 0.039 χ^2/NDF : 1405329.8/22

yield_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 127091.500 $\pm$ 0.066 χ^2 /NDF: 1717208780.6/16

Left Out: 129390.421 $\pm$ 0.089 χ^2 /NDF: 10718029.8/4

127907.203 $\pm$ 0.053 χ^2 /NDF: 2154489918.7/21

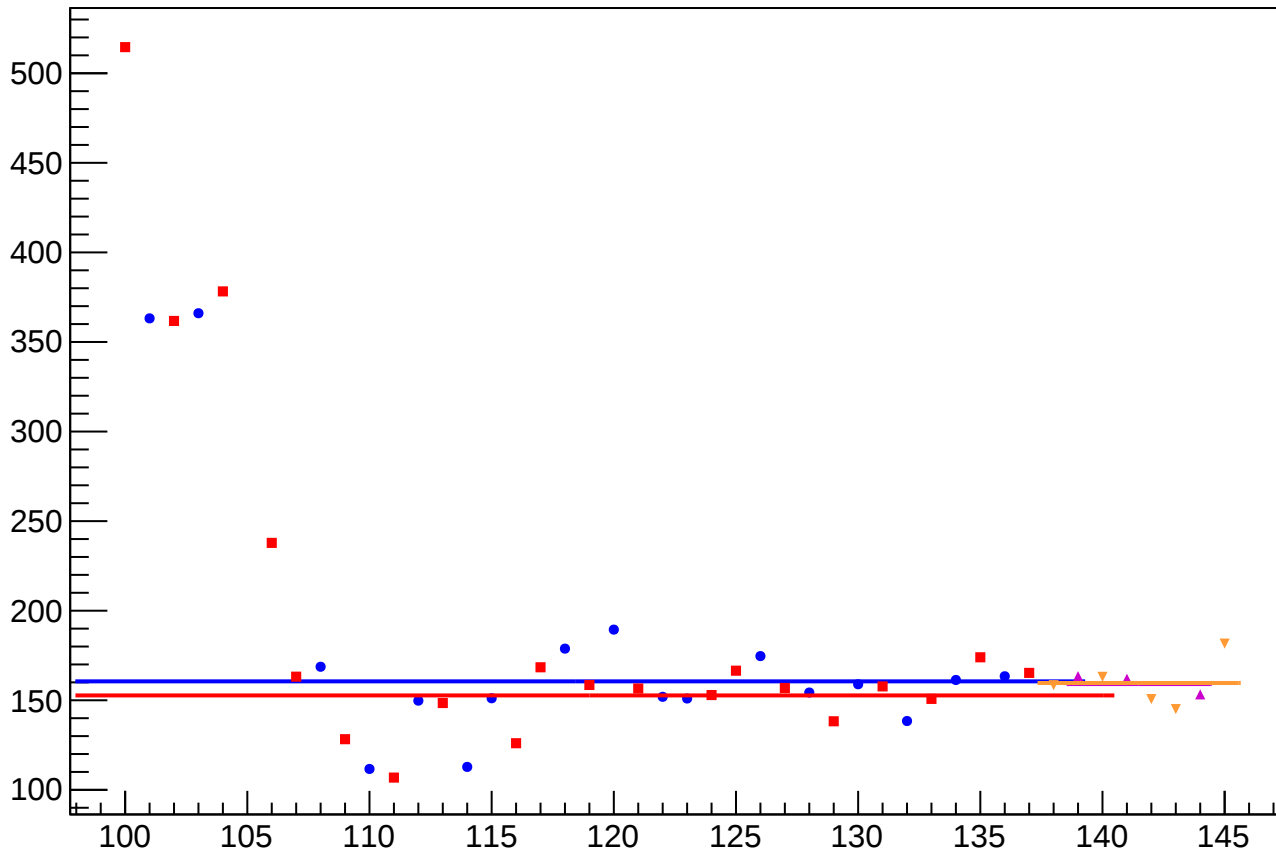
Right Out: 127444.472 $\pm$ 0.061 χ^2 /NDF: 2082646787.7/19

127941.395 $\pm$ 0.038 χ^2 /NDF: 452971430

127975.039 $\pm$ 0.053 χ^2 /NDF: 2374406622.2/22

Left In: 129490.179 $\pm$ 0.104 χ^2 /NDF: 3716895.9/2

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

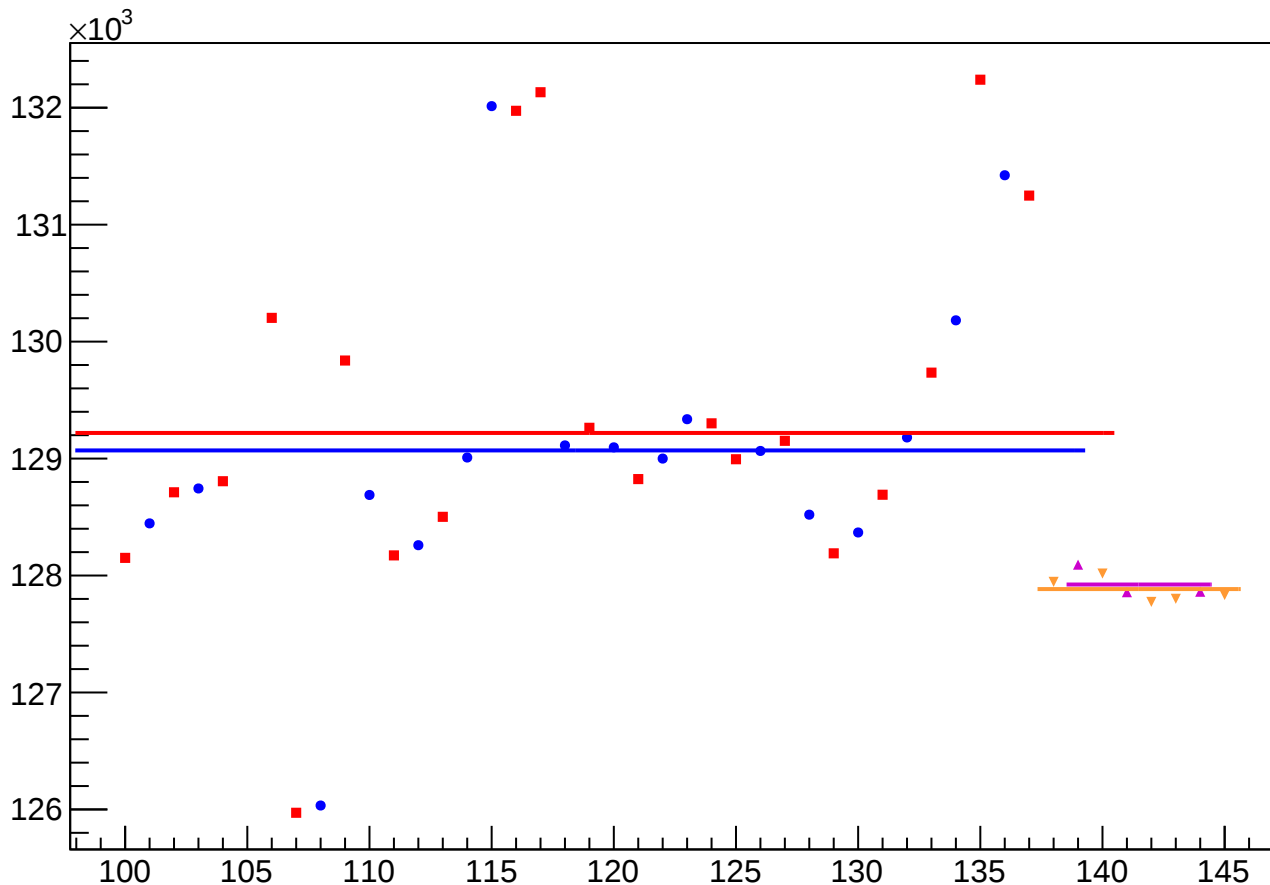
Left In: 159.055 $\pm$ 0.073 χ^2 /NDF: 3926.7/2

160.240 $\pm$ 0.038 χ^2 /NDF: 980271.5/21

157.274 $\pm$ 0.027 χ^2 /NDF: 2089230.0/44

154.356 $\pm$ 0.037 χ^2 /NDF: 1096654.5/22

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

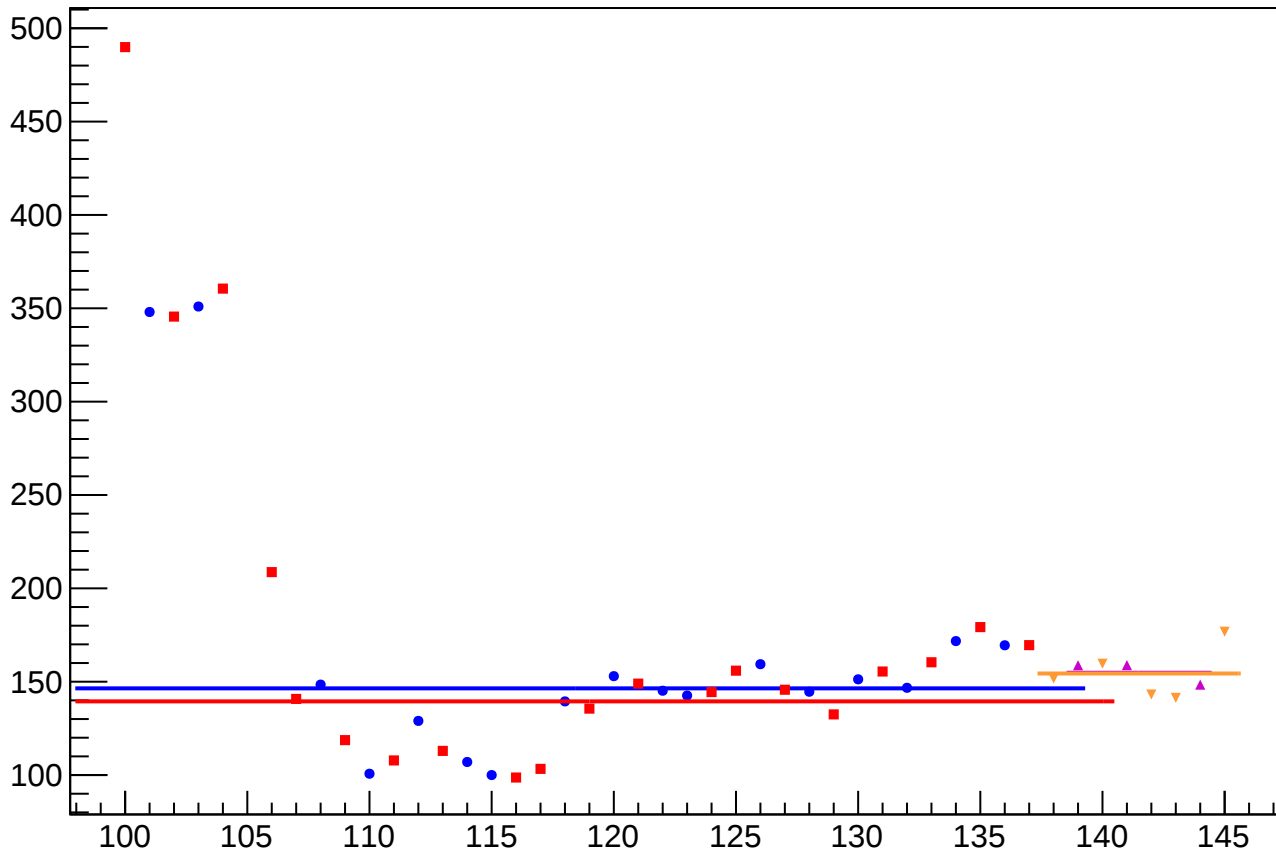
Left In: 127923.113 $\pm$ 0.101 χ^2 /NDF: 1061372.4/2

128681.903 $\pm$ 0.049 χ^2 /NDF: 604817365.6/21

128800.270 $\pm$ 0.035 χ^2 /NDF: 140418903

128915.898 $\pm$ 0.049 χ^2 /NDF: 788002728.9/22

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

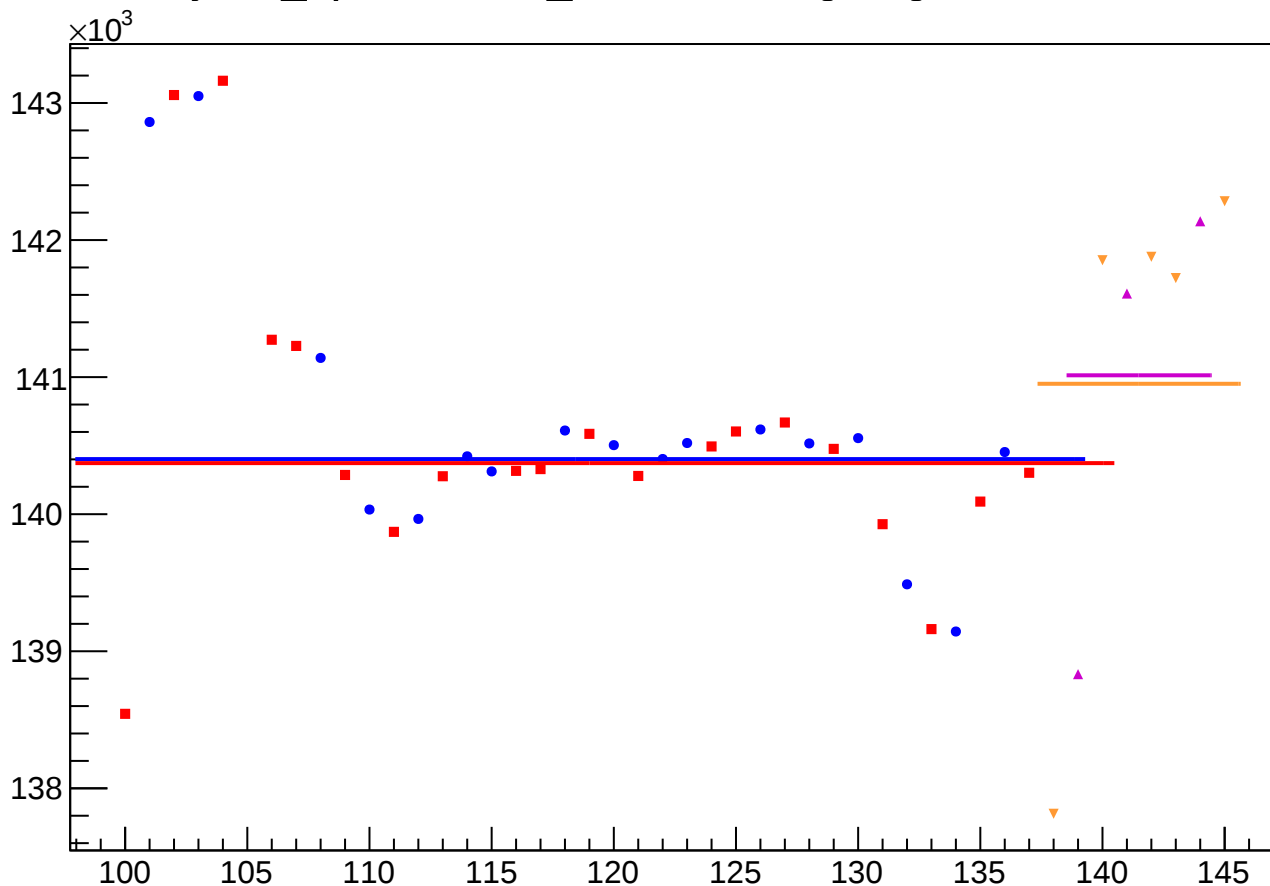
Left In: 154.796 +/- 0.071 χ^2/NDF : 5104.2/2

149.040 +/- 0.035 χ^2/NDF : 1117417.4/21

146.012 +/- 0.025 χ^2/NDF : 2387102.8/44

143.054 +/- 0.034 χ^2/NDF : 1254802.5/22

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

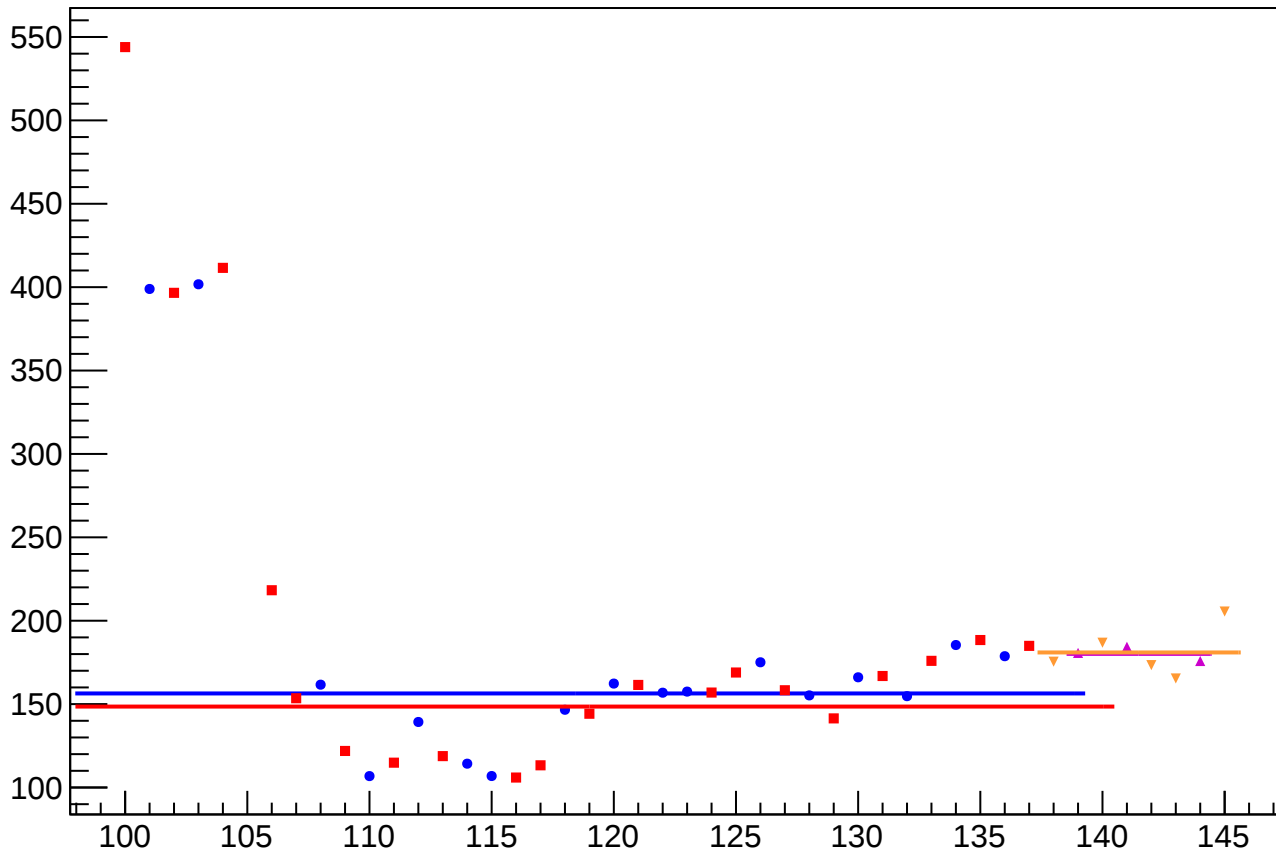
Left In: 141013.289 $\pm$ 0.118 χ^2 /NDF: 140747921.2/2

140558.575 $\pm$ 0.054 χ^2 /NDF: 405505293.5/21

140529.915 $\pm$ 0.038 χ^2 /NDF: 670180950

140502.603 $\pm$ 0.053 χ^2 /NDF: 264133823.5/22

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

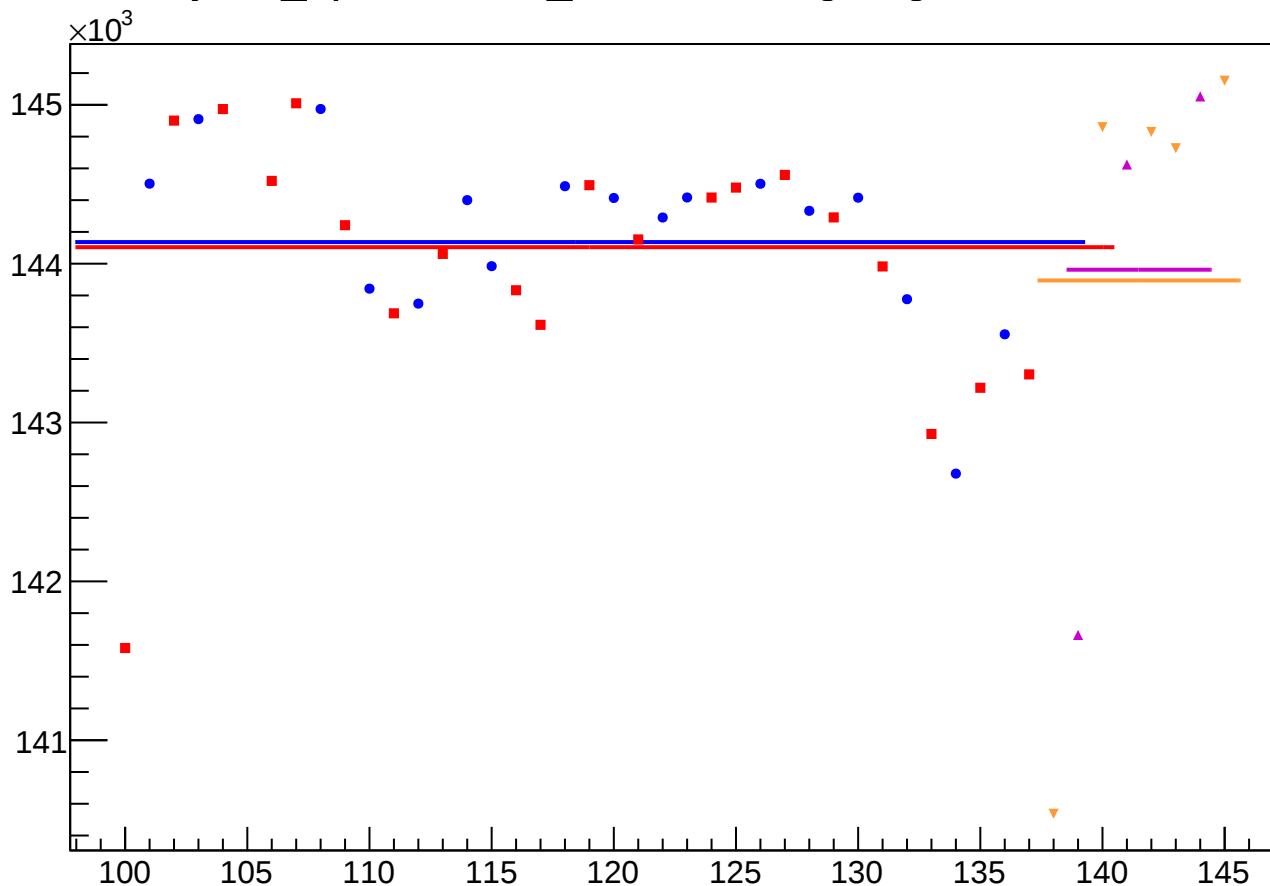
Left In: 180.108+/-0.083 χ^2/NDF : 1882.1/2

163.398+/-0.038 χ^2/NDF : 1273676.3/21

159.063+/-0.027 χ^2/NDF : 2730820.8/44

154.931+/-0.038 χ^2/NDF : 1432347.9/22

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

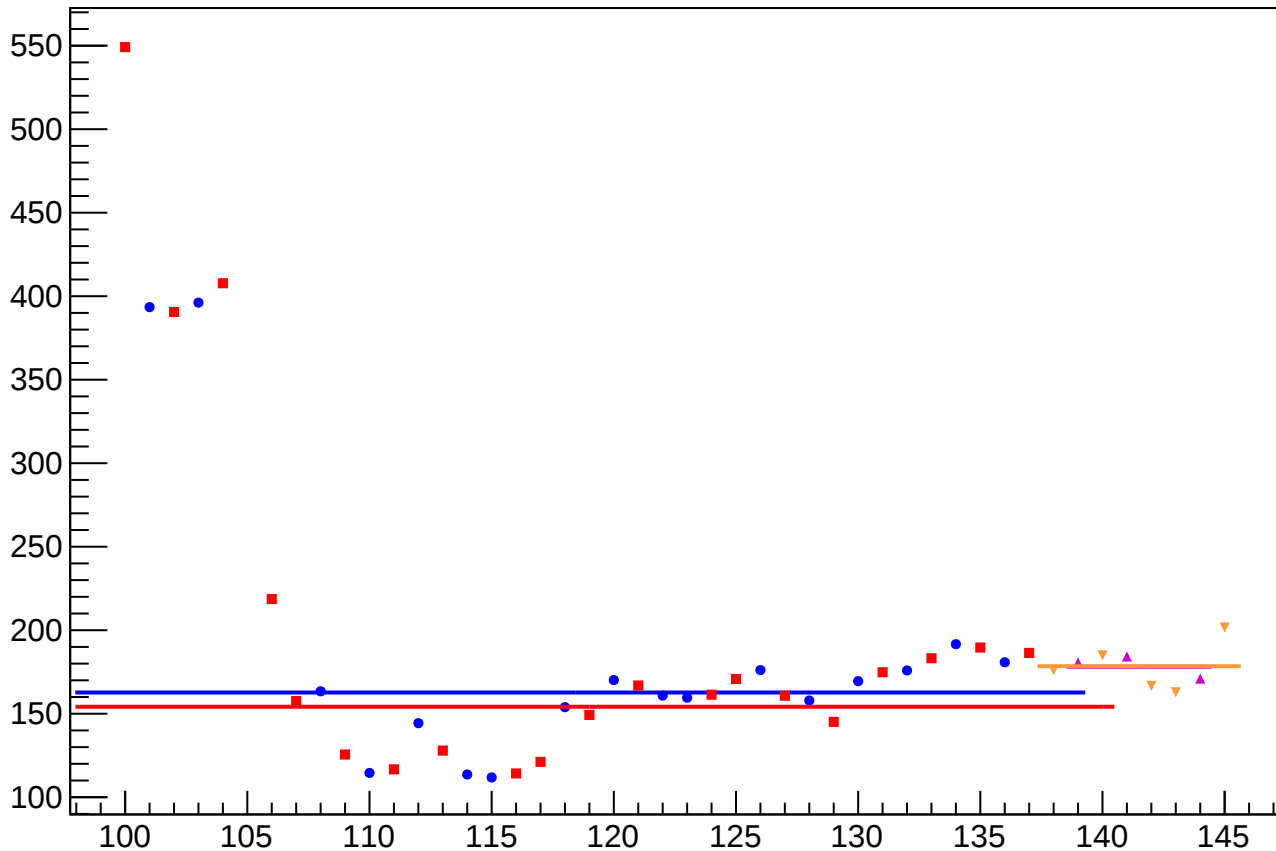
Left In: 143962.134 $\pm$ 0.116 χ^2 /NDF: 154191304.3/2

144061.885 $\pm$ 0.056 χ^2 /NDF: 383802815.5/21

144067.538 $\pm$ 0.039 χ^2 /NDF: 605146064

144072.952 $\pm$ 0.054 χ^2 /NDF: 221323001.2/22

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 162.714 $\pm$ 0.047 χ^2/NDF : 1066482.0/16

Left Out: 178.434 $\pm$ 0.071 χ^2/NDF : 36347.3/4

Right Out: 154.174 $\pm$ 0.044 χ^2/NDF : 1224004.2/19

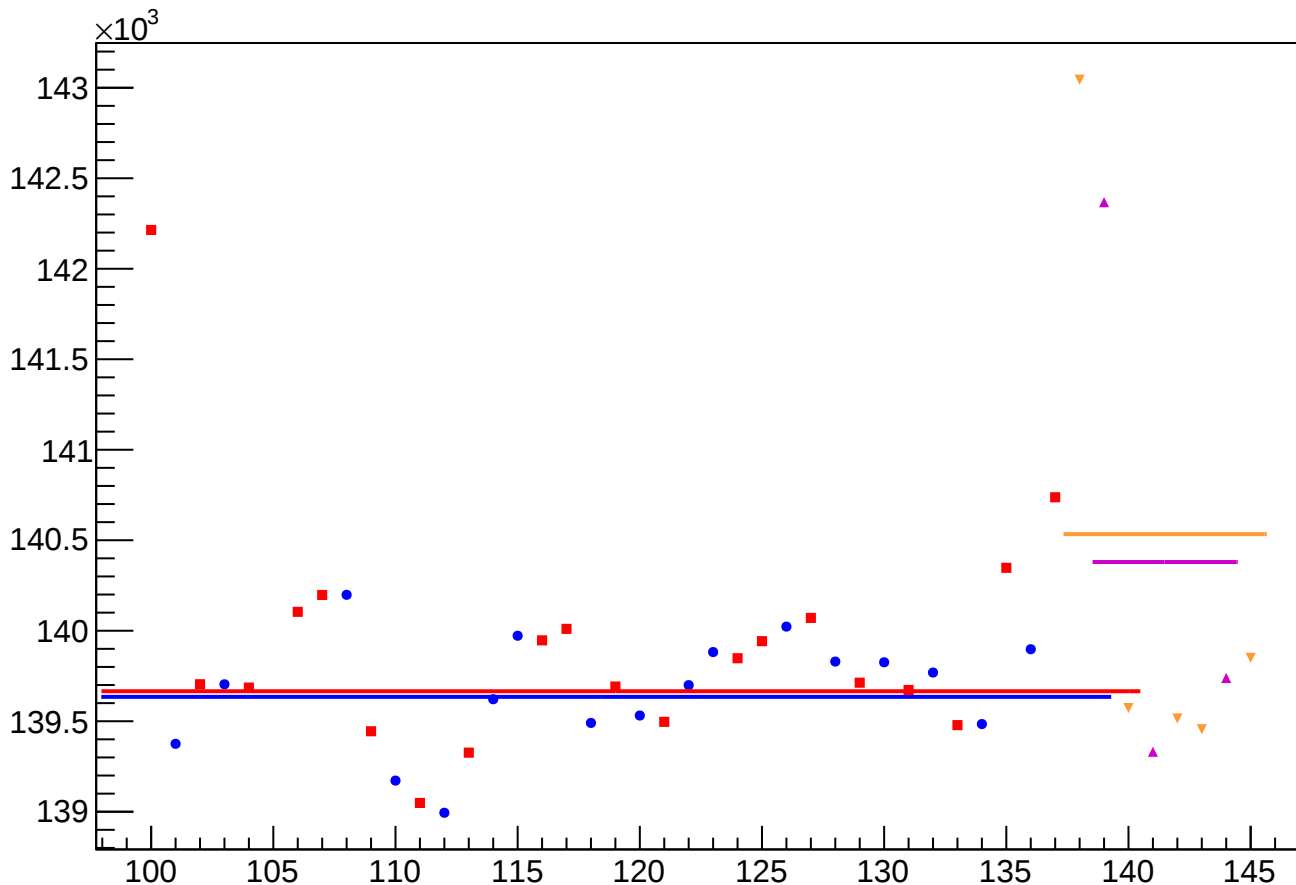
Left In: 178.090 $\pm$ 0.082 χ^2/NDF : 4985.9/2

167.541 $\pm$ 0.039 χ^2/NDF : 1136871.2/21

163.379 $\pm$ 0.027 χ^2/NDF : 2453778.6/44

159.393 $\pm$ 0.038 χ^2/NDF : 1294952.7/22

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

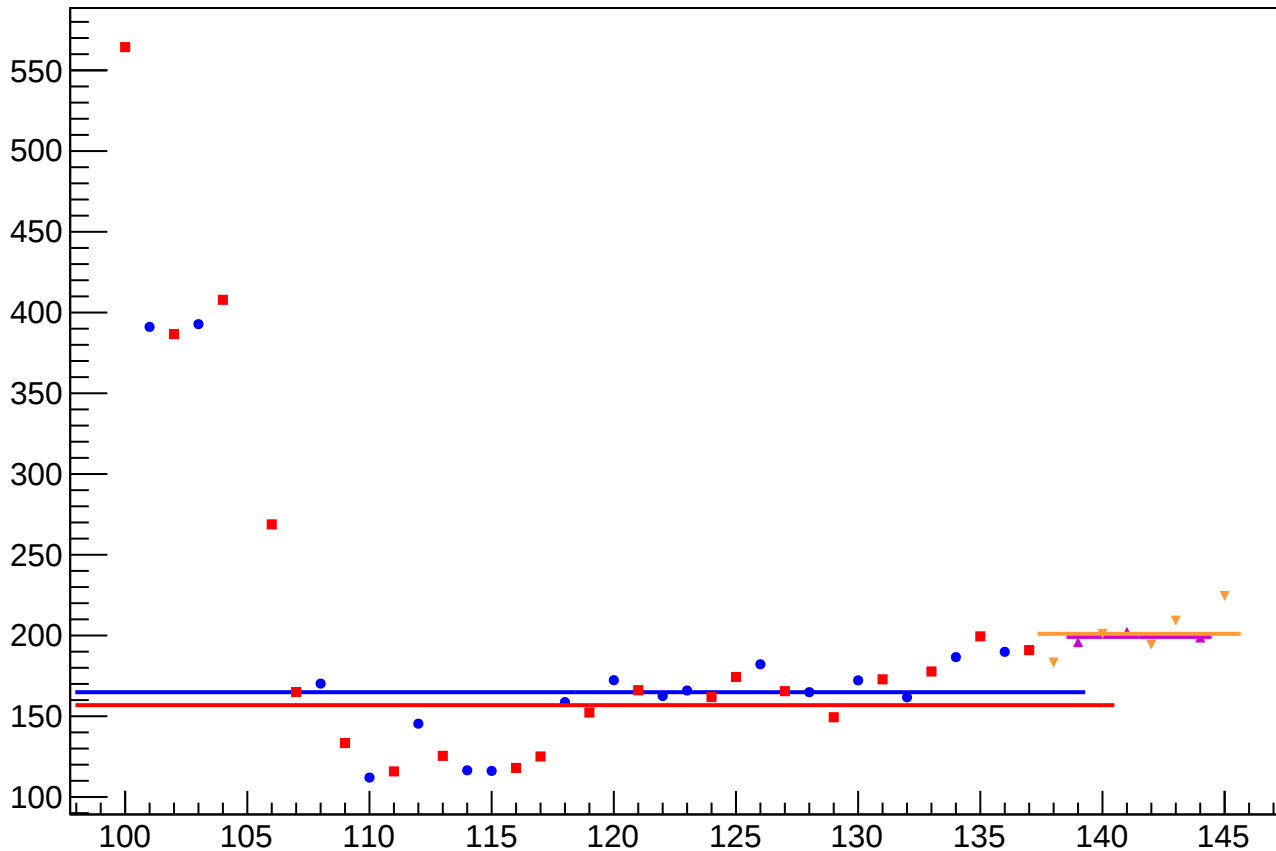
Right Out: 139665.743 $\pm$ 0.063 χ^2 /NDF: 38703726.2/19

139836.317 $\pm$ 0.040 χ^2 /NDF: 421547052

Left In: 140379.645 $\pm$ 0.130 χ^2 /NDF: 100327716.3/2

139800.361 $\pm$ 0.056 χ^2 /NDF: 163481963.4/22

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

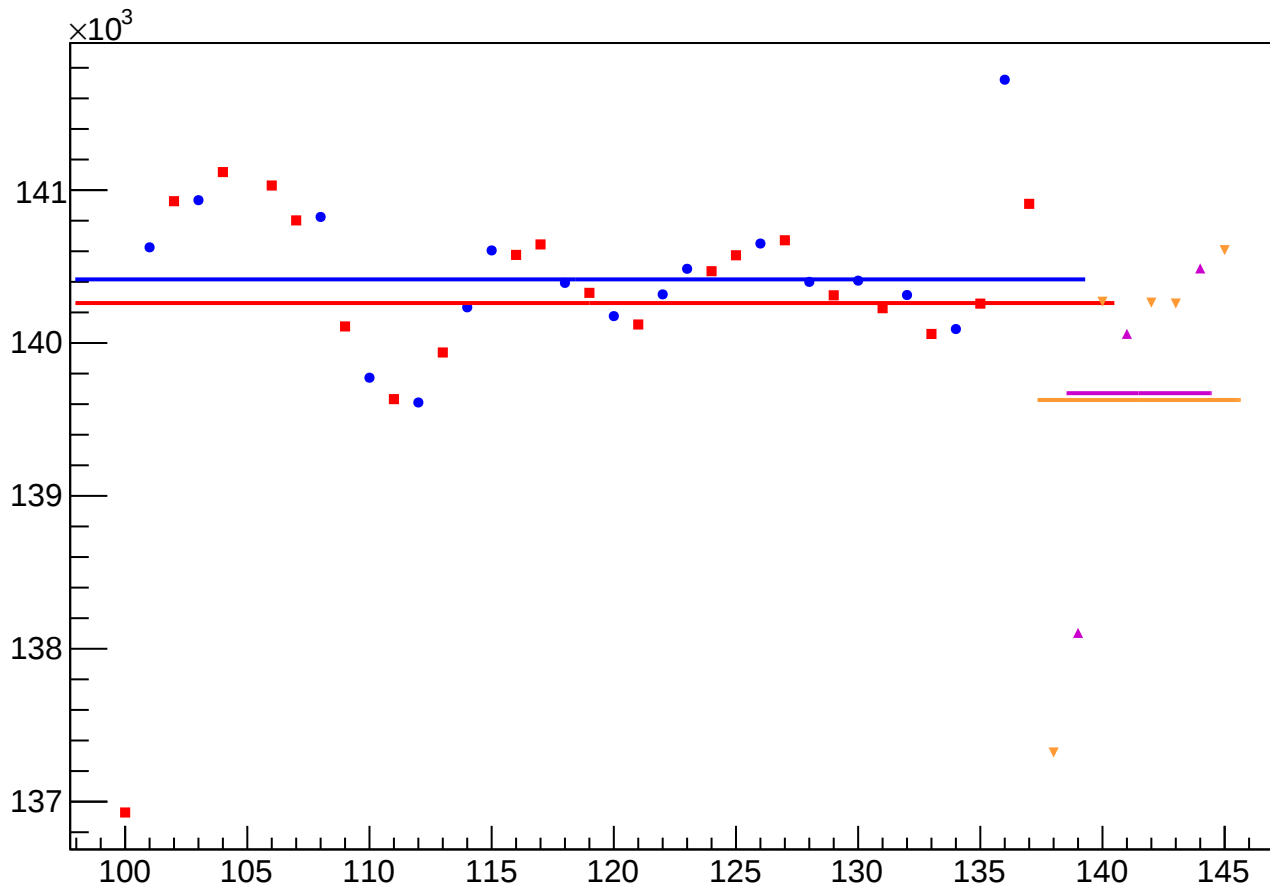
Left In: 199.139+/-0.092 χ^2/NDF : 758.1/2

174.524+/-0.041 χ^2/NDF : 1250662.3/21

169.545+/-0.029 χ^2/NDF : 2702236.4/44

164.832+/-0.040 χ^2/NDF : 1422929.4/22

yield_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 140416.064 $\pm$ 0.068 χ^2 /NDF: 69975821.3/16

Left Out: 139627.335 $\pm$ 0.098 χ^2 /NDF: 175311831.0/4

Right Out: 140261.267 $\pm$ 0.063 χ^2 /NDF: 38479140.4/19

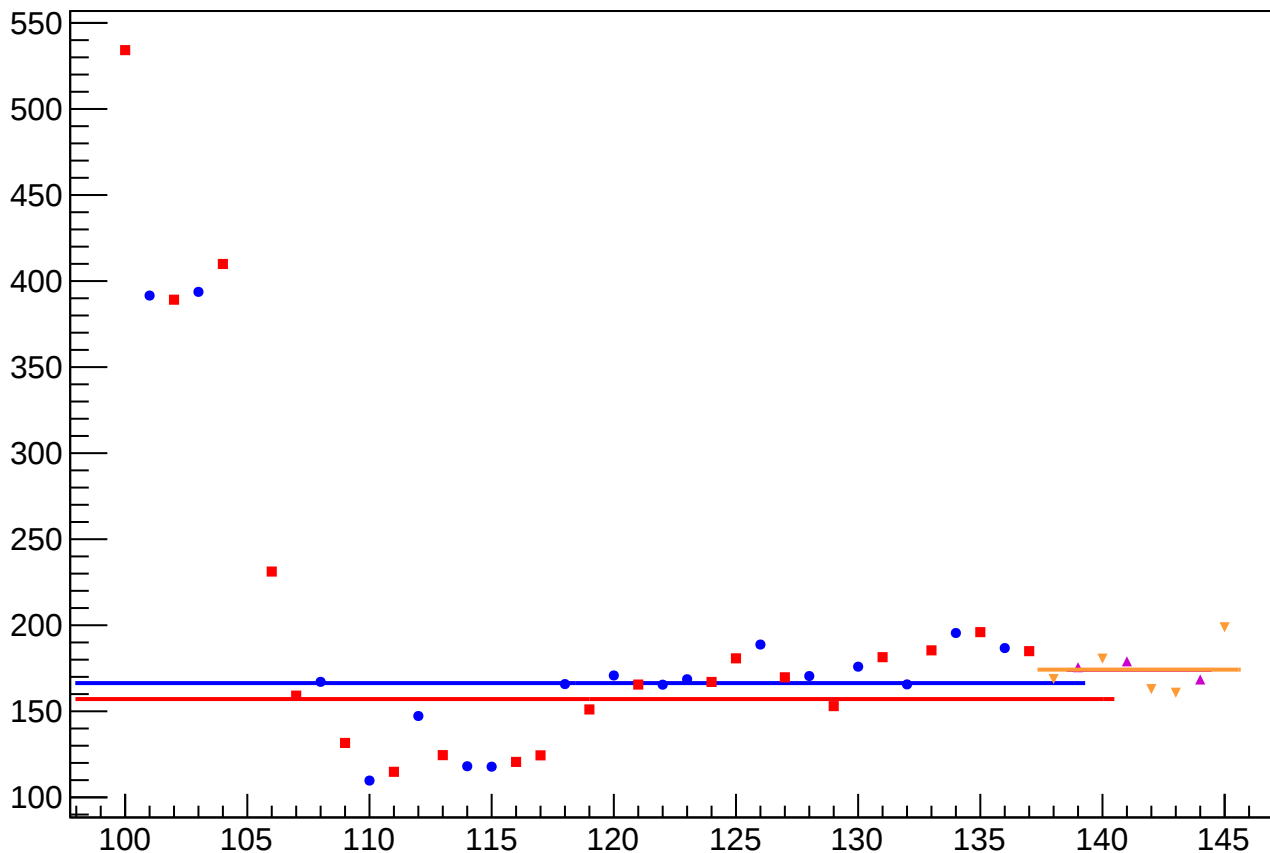
Left In: 139671.823 $\pm$ 0.114 χ^2 /NDF: 77446778.5/2

140156.459 $\pm$ 0.056 χ^2 /NDF: 289060417.1/21

140139.598 $\pm$ 0.039 χ^2 /NDF: 425778246

140123.367 $\pm$ 0.055 χ^2 /NDF: 136540016.6/22

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

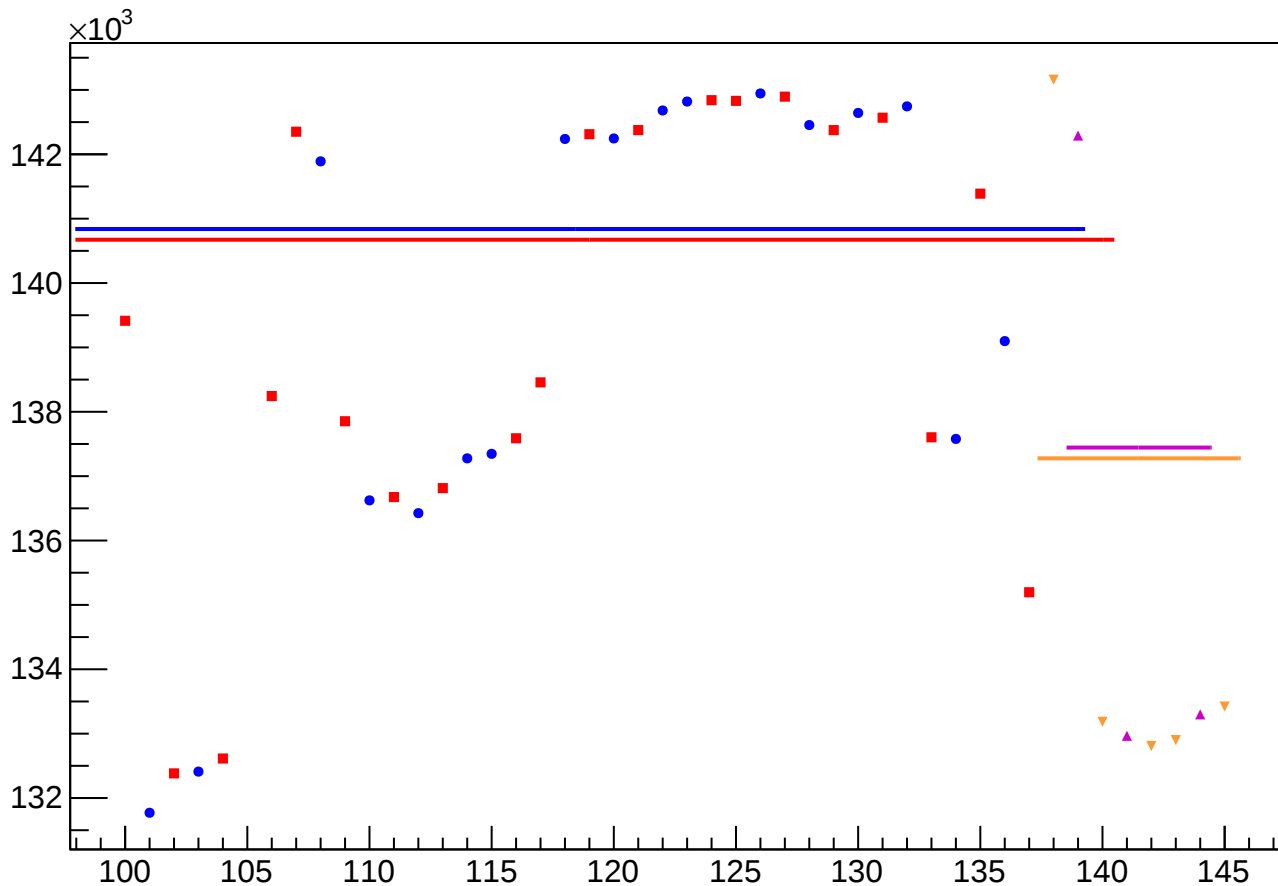
Left In: 174.025 +/- 0.080 χ^2/NDF : 3233.1/2

168.962 +/- 0.040 χ^2/NDF : 1127878.3/21

164.940 +/- 0.028 χ^2/NDF : 2421234.8/44

161.068 +/- 0.039 χ^2/NDF : 1273117.5/22

yield_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 140839.133 $\pm$ 0.100 χ^2/NDF : 822682996.3/16

Left Out: 137277.120 $\pm$ 0.156 χ^2/NDF : 1008758084.6/4

Right Out: 140672.898 $\pm$ 0.099 χ^2/NDF : 841965357.5/19

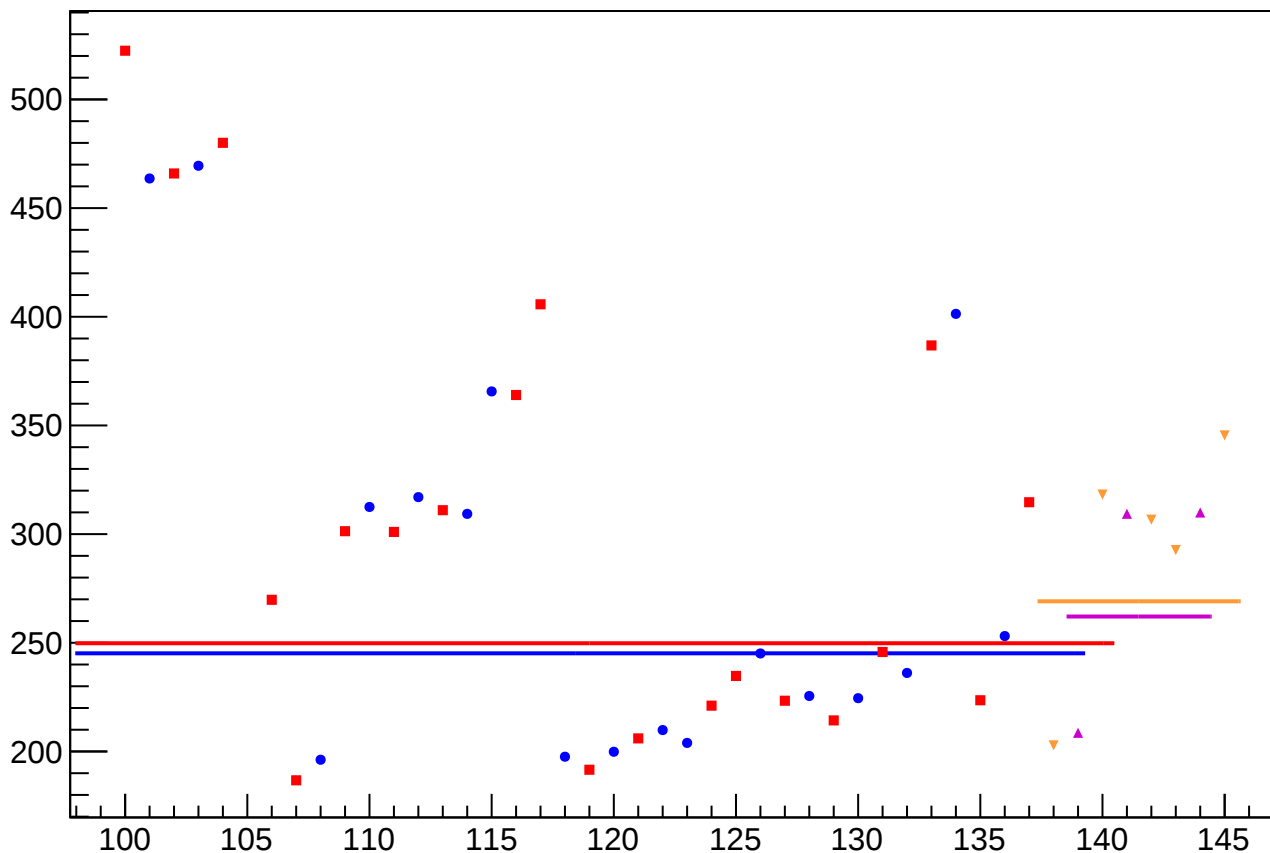
Left In: 137444.250 $\pm$ 0.177 χ^2/NDF : 670740312.3/2

139803.014 $\pm$ 0.084 χ^2/NDF : 2200421558.2/21

139850.622 $\pm$ 0.060 χ^2/NDF : 396830515

139900.647 $\pm$ 0.086 χ^2/NDF : 1767228274.2/22

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

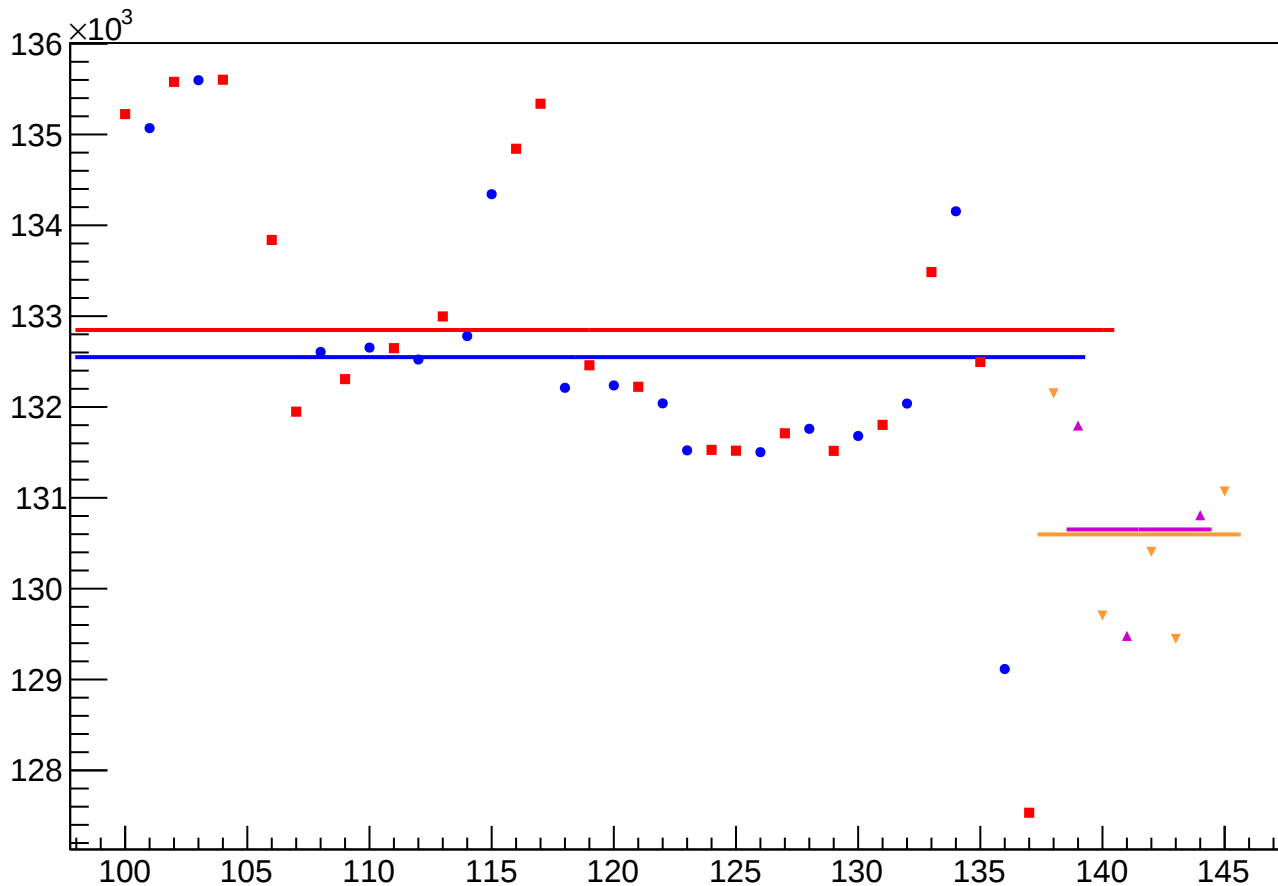
Left In: 262.089 +/- 0.125 χ^2/NDF : 163331.3/2

252.120 +/- 0.060 χ^2/NDF : 1176984.5/21

252.419 +/- 0.043 χ^2/NDF : 2370067.5/44

252.733 +/- 0.061 χ^2/NDF : 1193031.2/22

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

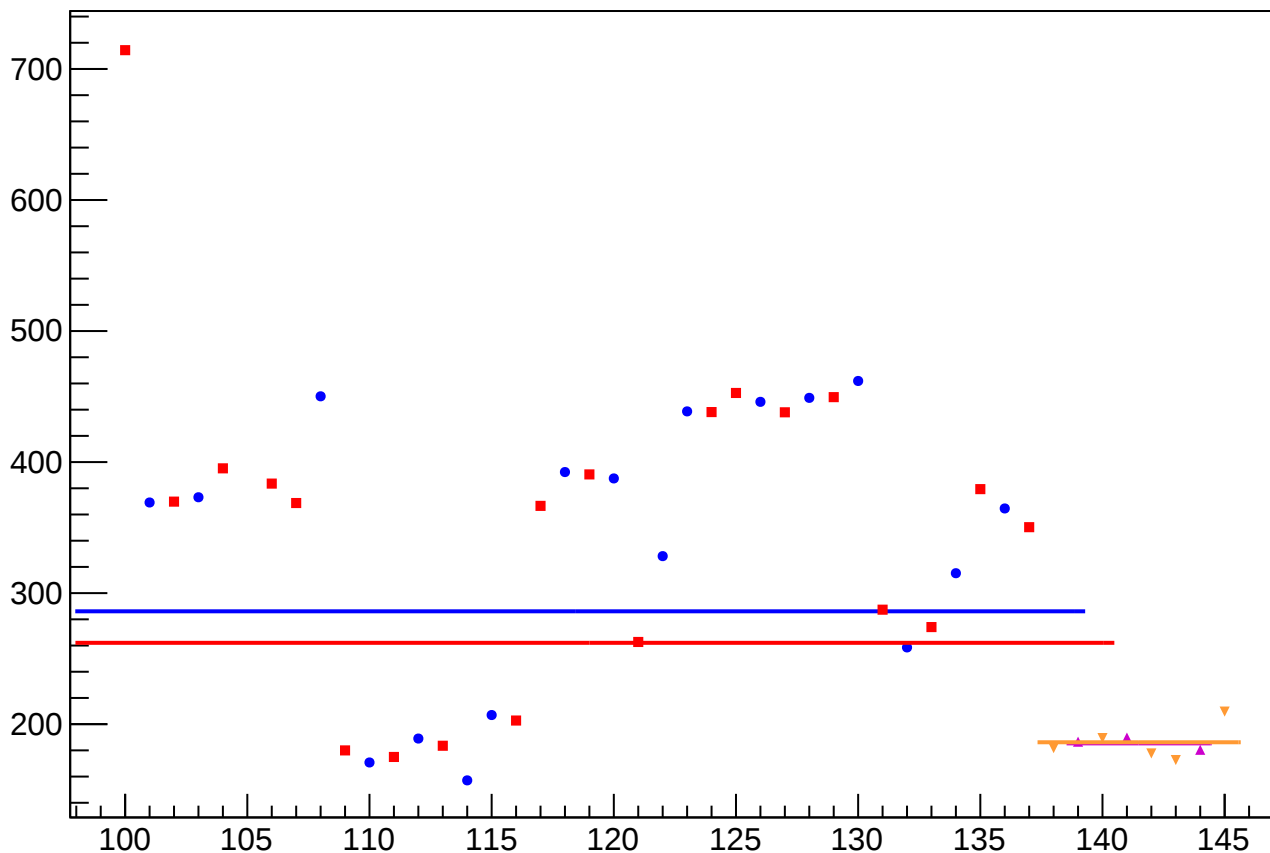
Left In: 130651.970 $\pm$ 0.122 χ^2 /NDF: 56690549.8/2

131451.958 $\pm$ 0.079 χ^2 /NDF: 408444077.0/21

131668.676 $\pm$ 0.056 χ^2 /NDF: 815445991

131892.969 $\pm$ 0.080 χ^2 /NDF: 391689088.7/22

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

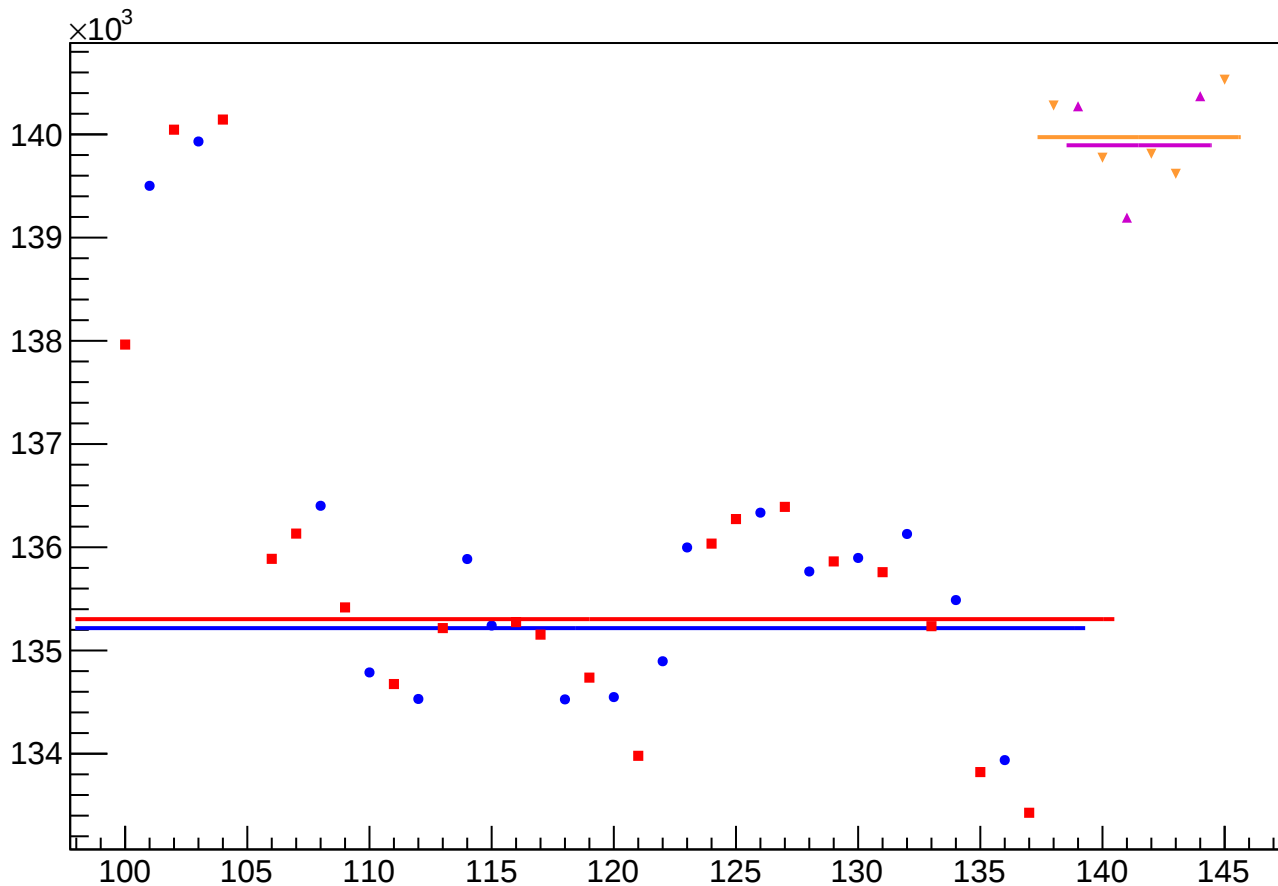
Left In: 185.328 $\pm$ 0.086 χ^2/NDF : 2162.2/2

229.958 $\pm$ 0.056 χ^2/NDF : 2341667.8/21

229.343 $\pm$ 0.040 χ^2/NDF : 4422440.0/44

228.707 $\pm$ 0.057 χ^2/NDF : 2080525.9/22

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

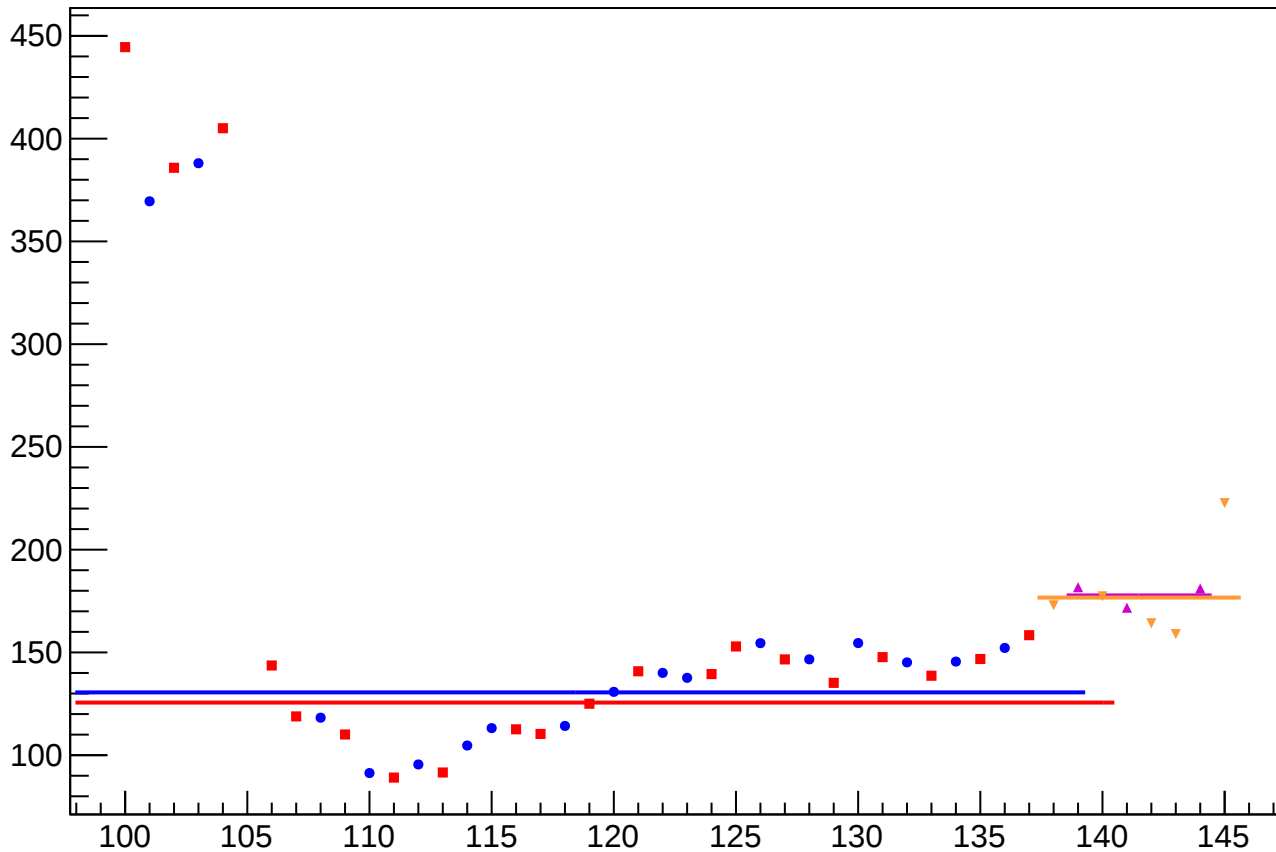
Left In: 139894.455 $\pm$ 0.116 χ^2 /NDF: 22657503.6/2

136315.127 $\pm$ 0.048 χ^2 /NDF: 2151051267.1/21

136177.540 $\pm$ 0.033 χ^2 /NDF: 386270741

136046.003 $\pm$ 0.047 χ^2 /NDF: 1695360297.2/22

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 130.552 +/- 0.038 χ^2/NDF : 1373104.9/16

Left Out: 176.690 +/- 0.070 χ^2/NDF : 82633.9/4

Right Out: 125.603 +/- 0.036 χ^2/NDF : 1441677.4/19

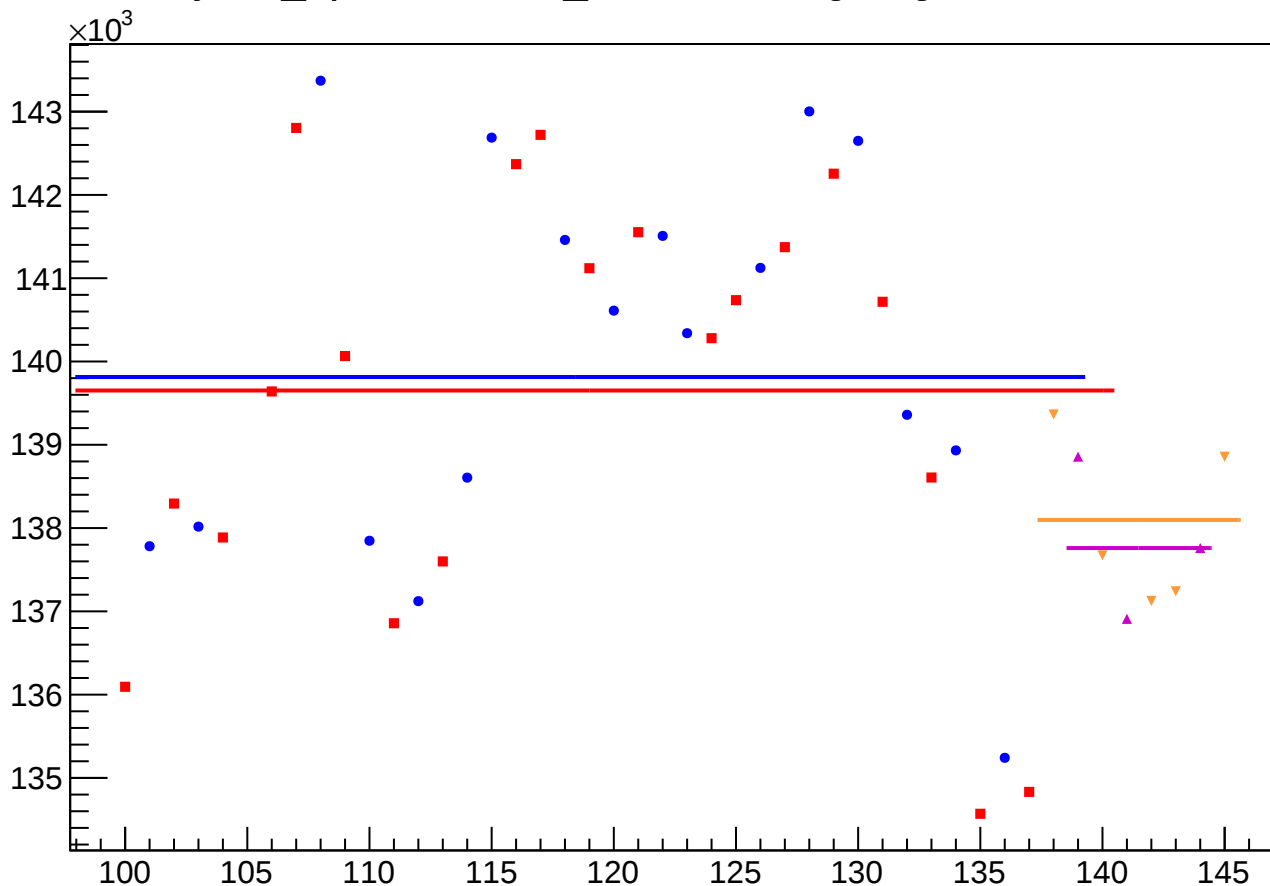
Left In: 177.732 +/- 0.082 χ^2/NDF : 3272.5/2

141.207 +/- 0.034 χ^2/NDF : 1788526.9/21

137.539 +/- 0.024 χ^2/NDF : 3595747.9/44

134.032 +/- 0.033 χ^2/NDF : 1784054.9/22

yield_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 139813.664 $\pm$ 0.062 χ^2 /NDF: 1689865533.6/16

Left Out: 138097.537 $\pm$ 0.098 χ^2 /NDF: 85662345.8/4

139322.423 $\pm$ 0.052 χ^2 /NDF: 1995389267.3/21

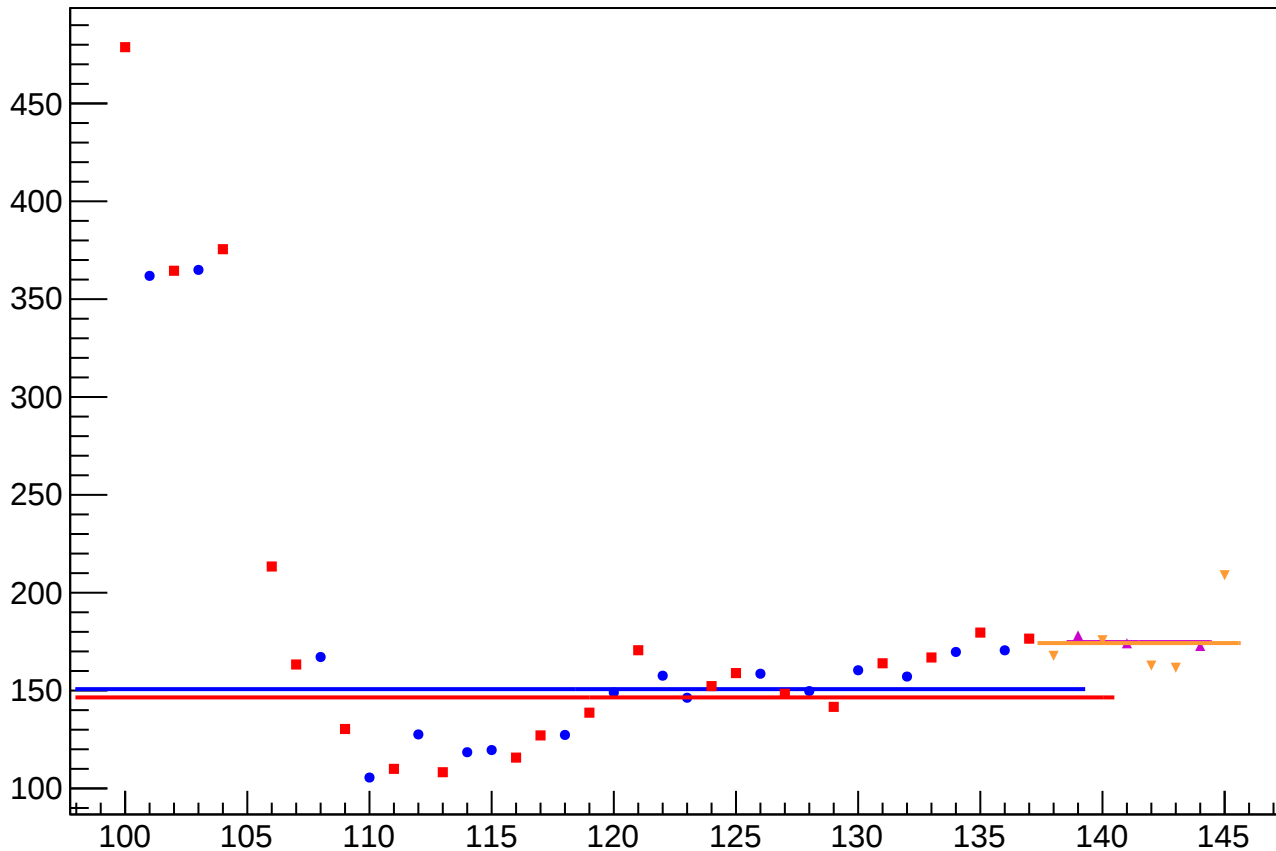
Right Out: 139651.821 $\pm$ 0.059 χ^2 /NDF: 1531019137.4/19

139288.667 $\pm$ 0.037 χ^2 /NDF: 379021735

Left In: 137760.057 $\pm$ 0.114 χ^2 /NDF: 45483937.6/2

139255.027 $\pm$ 0.052 χ^2 /NDF: 1793996832.8/22

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 150.733+/-0.044 χ^2/NDF : 1050071.6/16

Left Out: 174.266+/-0.069 χ^2/NDF : 54192.7/4

Right Out: 146.506+/-0.042 χ^2/NDF : 1205131.2/19

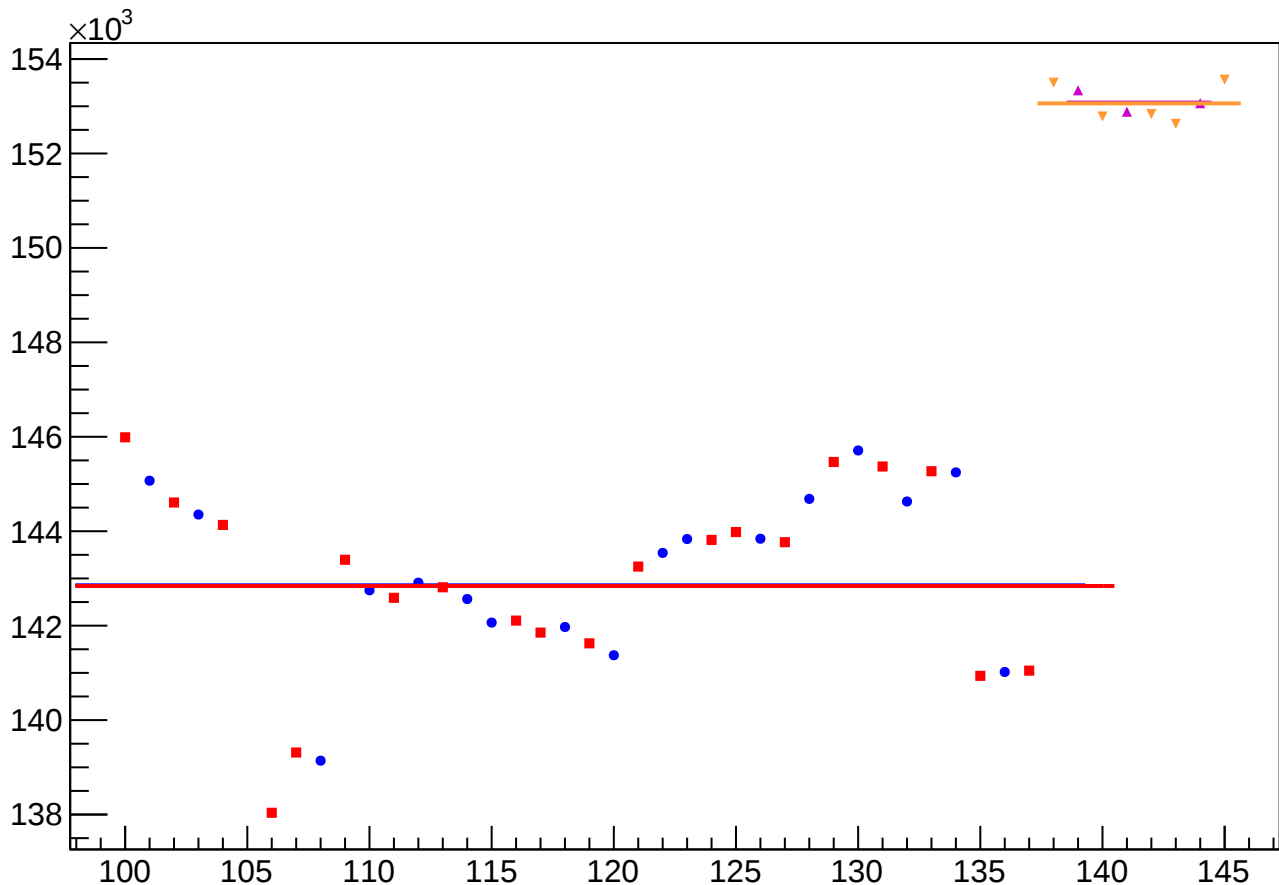
Left In: 174.777+/-0.081 χ^2/NDF : 729.9/2

157.469+/-0.037 χ^2/NDF : 1186951.3/21

154.948+/-0.026 χ^2/NDF : 2499232.2/44

152.436+/-0.037 χ^2/NDF : 1303006.3/22

yield_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 142854.268 ± 0.065 $\chi^2/\text{NDF}: 740367386.5/16$

Left Out: 153060.810 ± 0.099 $\chi^2/\text{NDF}: 15835568.3/4$

Right Out: 142840.509 ± 0.060 $\chi^2/\text{NDF}: 852484333.4/19$

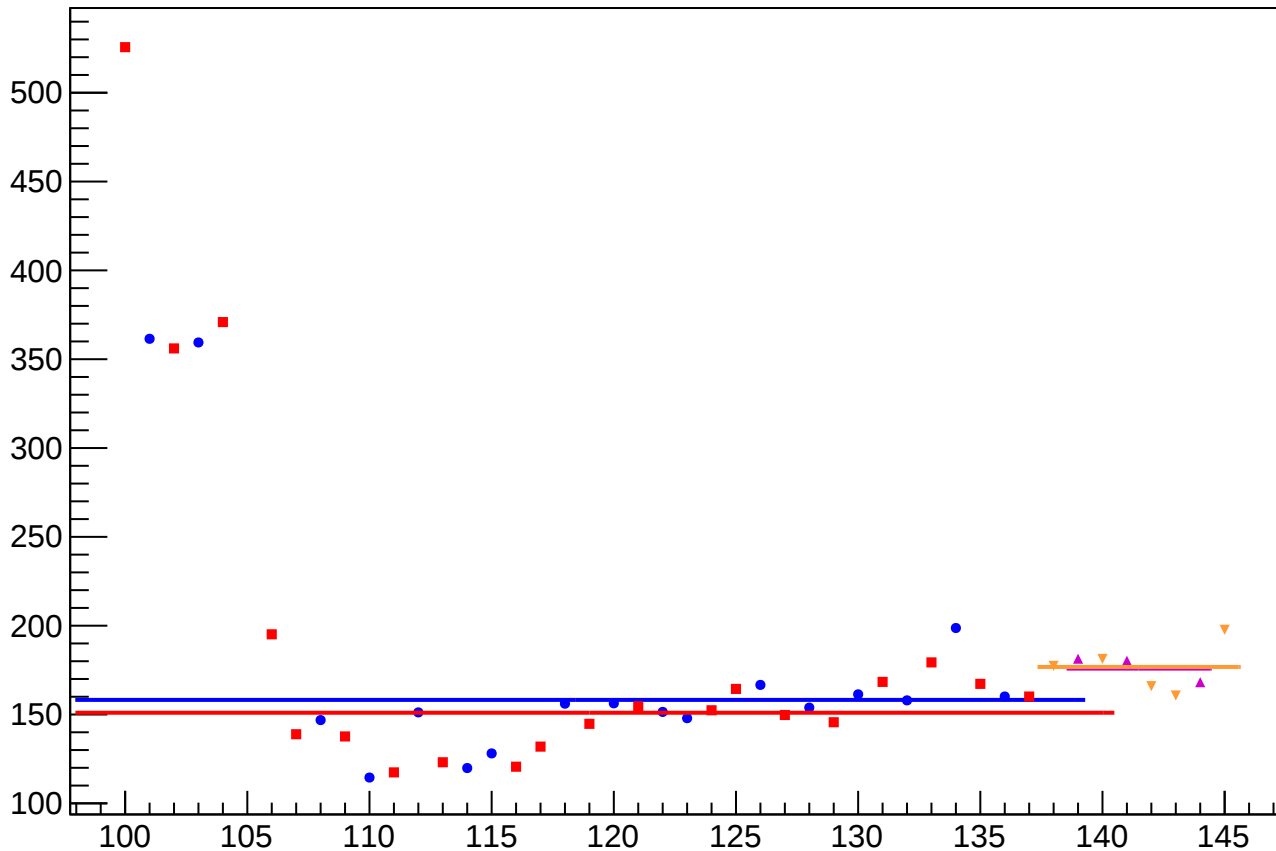
Left In: 153077.870 ± 0.115 $\chi^2/\text{NDF}: 2353734.4/2$

145903.265 ± 0.054 $\chi^2/\text{NDF}: 8198908507.1/21$

145466.975 ± 0.038 $\chi^2/\text{NDF}: 154235890$

145044.876 ± 0.053 $\chi^2/\text{NDF}: 7096957586.5/22$

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 158.233+/-0.046 χ^2/NDF : 883513.4/16

Left Out: 176.776+/-0.070 χ^2/NDF : 32820.4/4

Right Out: 151.003+/-0.043 χ^2/NDF : 1005104.9/19

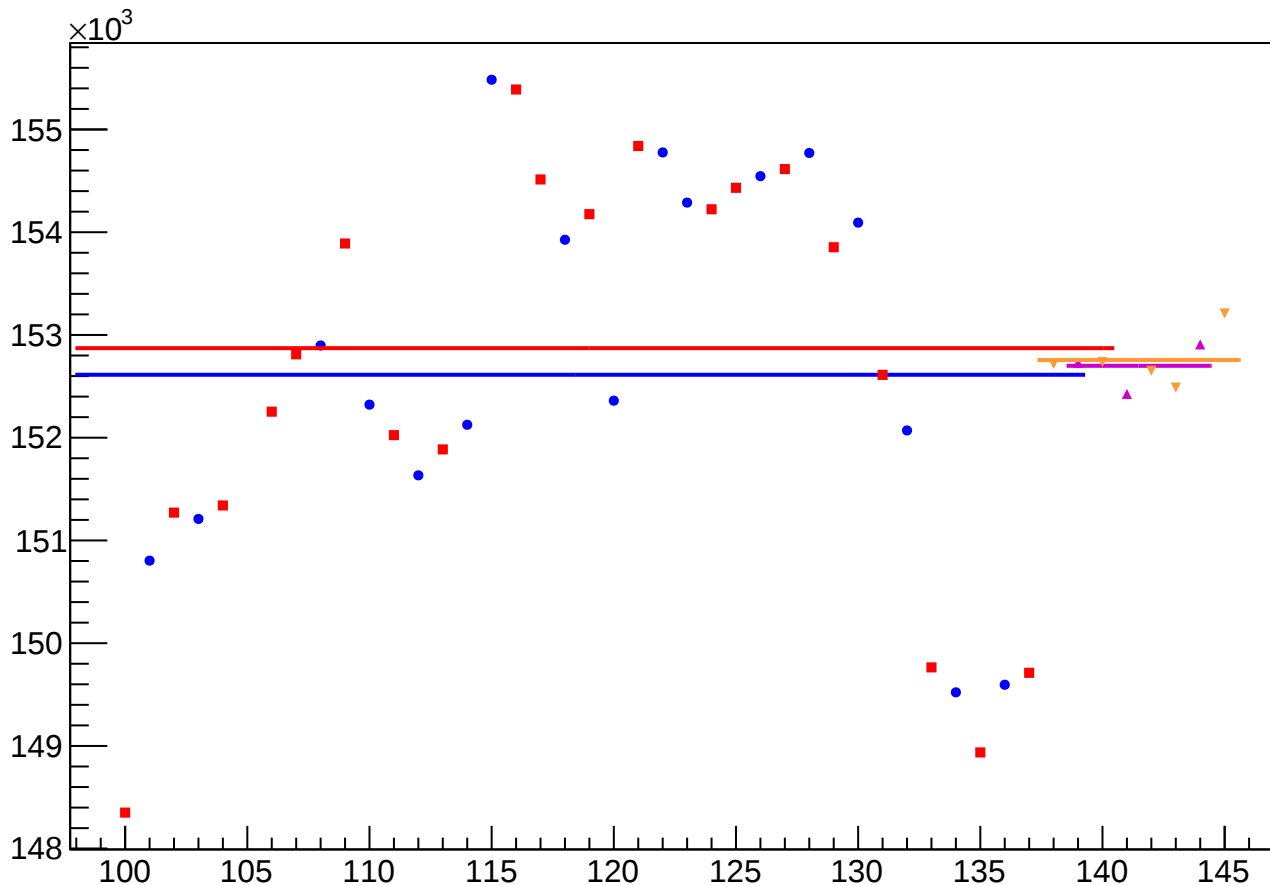
Left In: 175.838+/-0.081 χ^2/NDF : 5754.4/2

163.772+/-0.038 χ^2/NDF : 965467.9/21

160.000+/-0.027 χ^2/NDF : 2068891.8/44

156.351+/-0.038 χ^2/NDF : 1084329.9/22

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152612.586 $\pm$ 0.072 χ^2 /NDF: 621416187.4/16

Left Out: 152756.151 $\pm$ 0.098 χ^2 /NDF: 5790196.6/4

152662.958 $\pm$ 0.058 χ^2 /NDF: 628595000.5/21

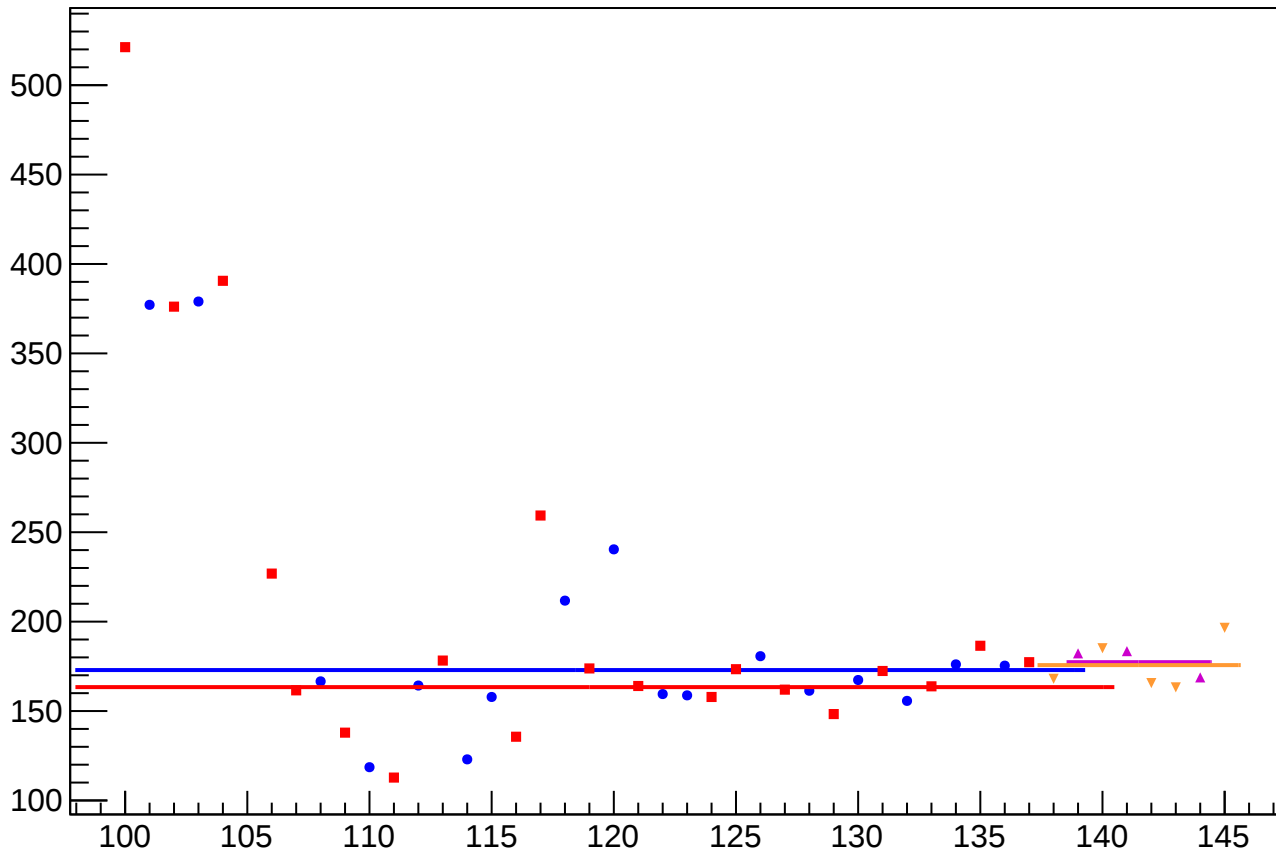
Right Out: 152871.618 $\pm$ 0.066 χ^2 /NDF: 720639345.6/19

152747.187 $\pm$ 0.041 χ^2 /NDF: 135820508

Left In: 152699.923 $\pm$ 0.116 χ^2 /NDF: 3164856.2/2

152829.291 $\pm$ 0.057 χ^2 /NDF: 725465866.2/22

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.921 ± 0.051 $\chi^2/\text{NDF}: 941954.0/16$

Left Out: 175.687 ± 0.069 $\chi^2/\text{NDF}: 33678.9/4$

Right Out: 163.382 ± 0.047 $\chi^2/\text{NDF}: 1044431.2/19$

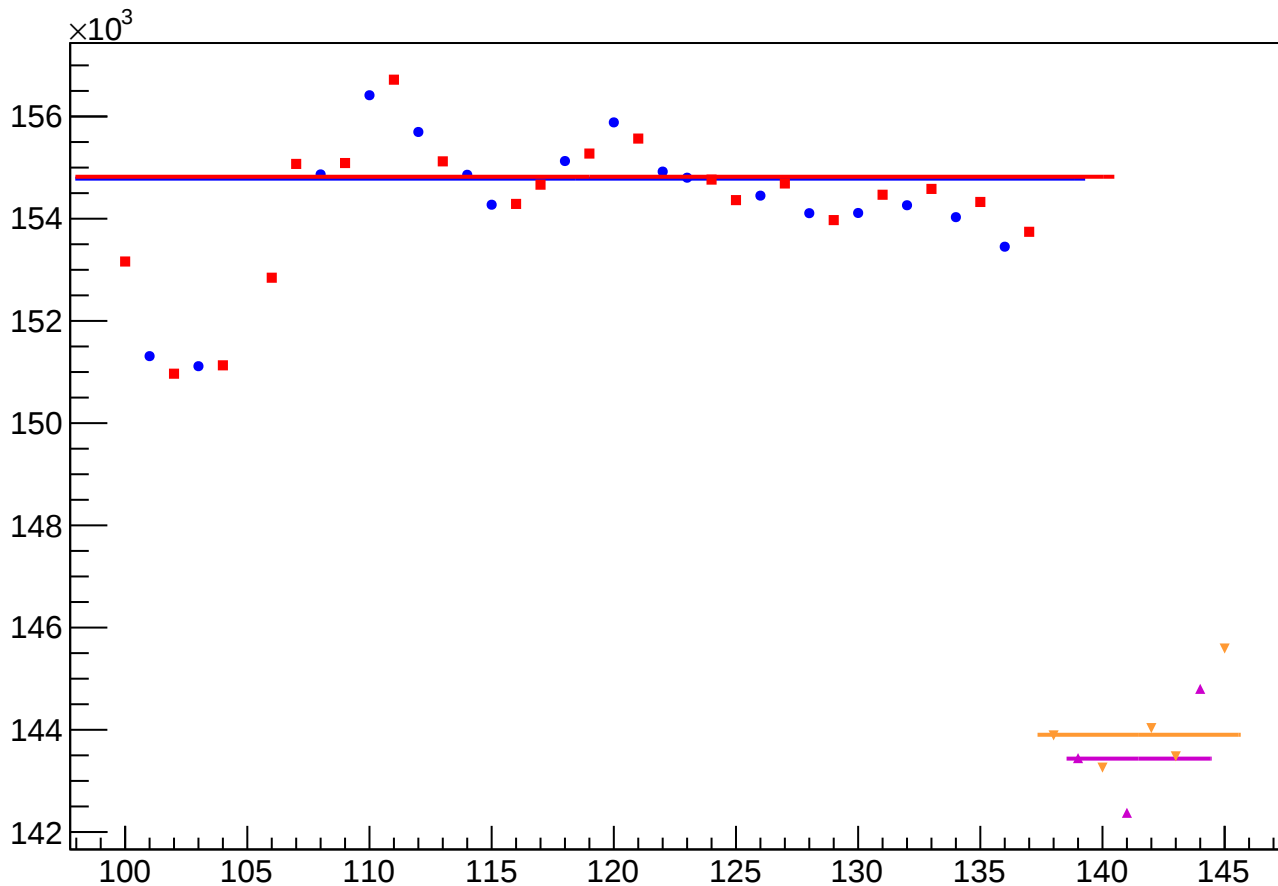
Left In: 177.335 ± 0.082 $\chi^2/\text{NDF}: 7185.5/2$

173.891 ± 0.041 $\chi^2/\text{NDF}: 976663.7/21$

170.311 ± 0.029 $\chi^2/\text{NDF}: 2065203.7/44$

166.821 ± 0.041 $\chi^2/\text{NDF}: 1073565.8/22$

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

Right Out: 154820.824 $\pm$ 0.061 χ^2/NDF : 293904936.4/19

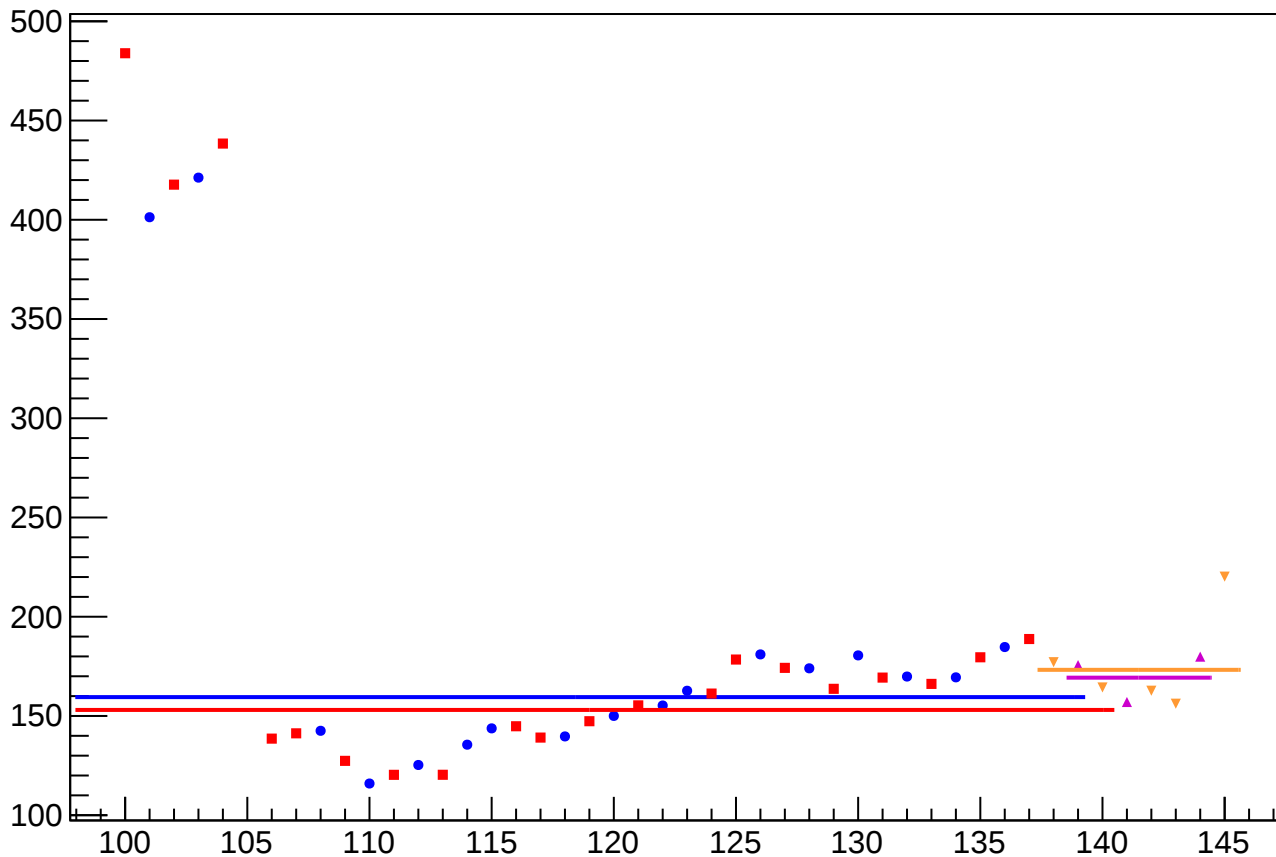
Left In: 143436.032 $\pm$ 0.110 χ^2/NDF : 87038640.8/2

151369.603 $\pm$ 0.054 χ^2/NDF : 9021379998.7/21

151782.900 $\pm$ 0.038 χ^2/NDF : 176907349

152180.982 $\pm$ 0.053 χ^2/NDF : 8554988727.0/22

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 173.244 $\pm$ 0.068 χ^2 /NDF: 92277.3/4

Right Out: 153.038 $\pm$ 0.043 χ^2 /NDF: 1174616.4/19

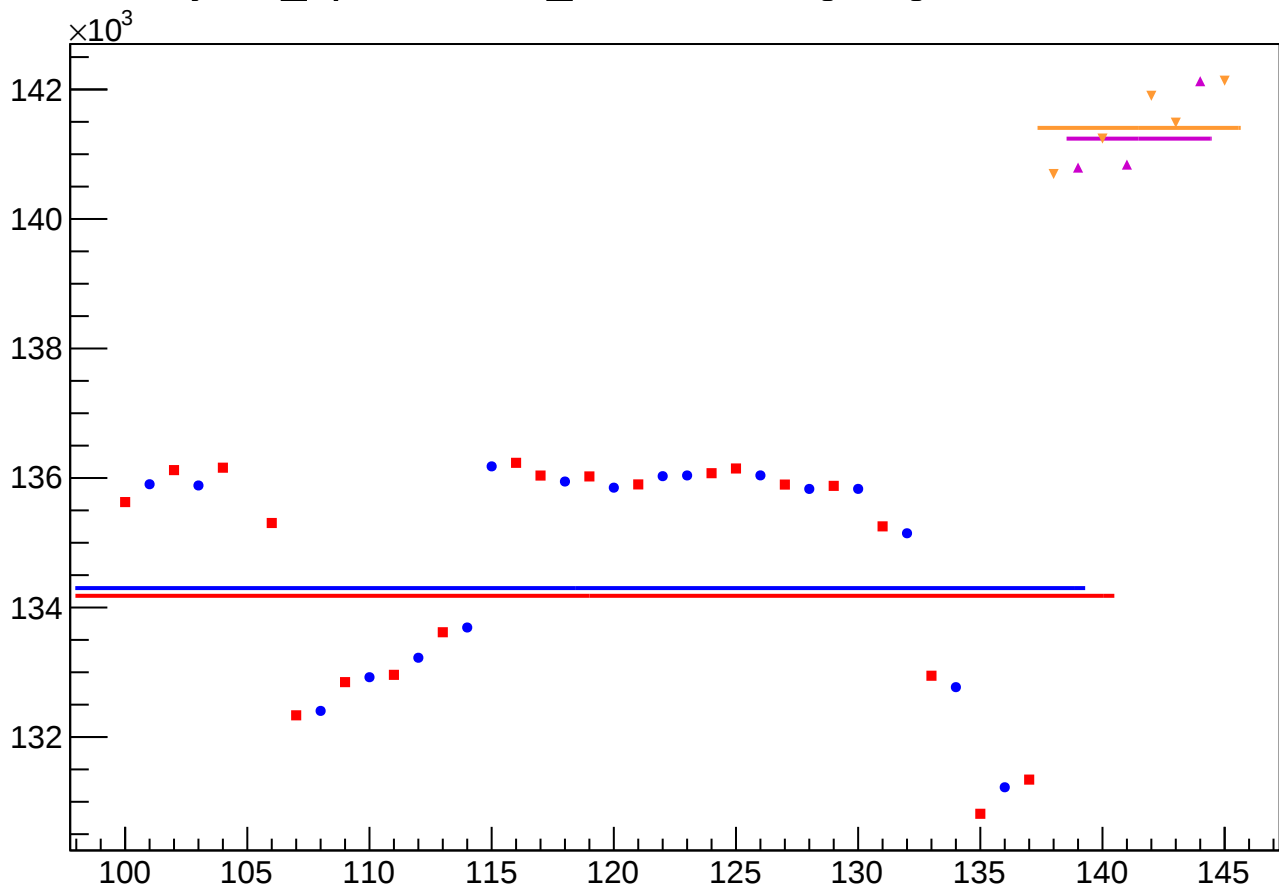
Left In: 169.297 $\pm$ 0.078 χ^2 /NDF: 17842.6/2

163.815 $\pm$ 0.038 χ^2 /NDF: 1251849.7/21

160.246 $\pm$ 0.027 χ^2 /NDF: 2494712.2/44

156.808 $\pm$ 0.038 χ^2 /NDF: 1225801.7/22

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134300.025 $\pm$ 0.050 χ^2 /NDF: 1149581803.2/16

Left Out: 141406.720 $\pm$ 0.094 χ^2 /NDF: 26209345.1/4

Right Out: 134180.888 $\pm$ 0.047 χ^2 /NDF: 1224202240.2/19

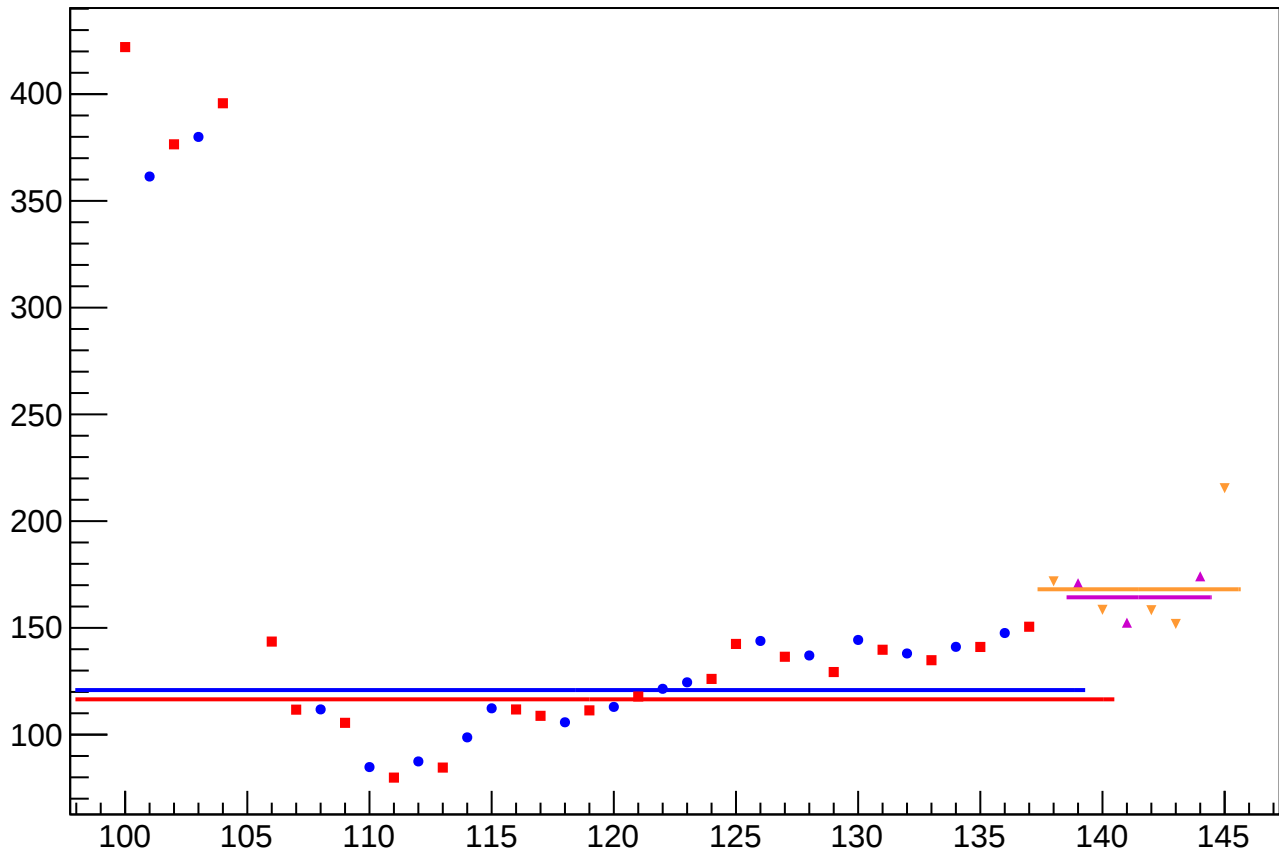
Left In: 141240.729 $\pm$ 0.107 χ^2 /NDF: 32377604.8/2

135887.147 $\pm$ 0.044 χ^2 /NDF: 5626342621.3/21

135599.972 $\pm$ 0.031 χ^2 /NDF: 105988921.1/10

135327.744 $\pm$ 0.043 χ^2 /NDF: 4890934442.7/22

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 120.872+/-0.036 χ^2/NDF : 1463728.4/16

Left Out: 168.079+/-0.066 χ^2/NDF : 96802.1/4

Right Out: 116.531+/-0.033 χ^2/NDF : 1541779.4/19

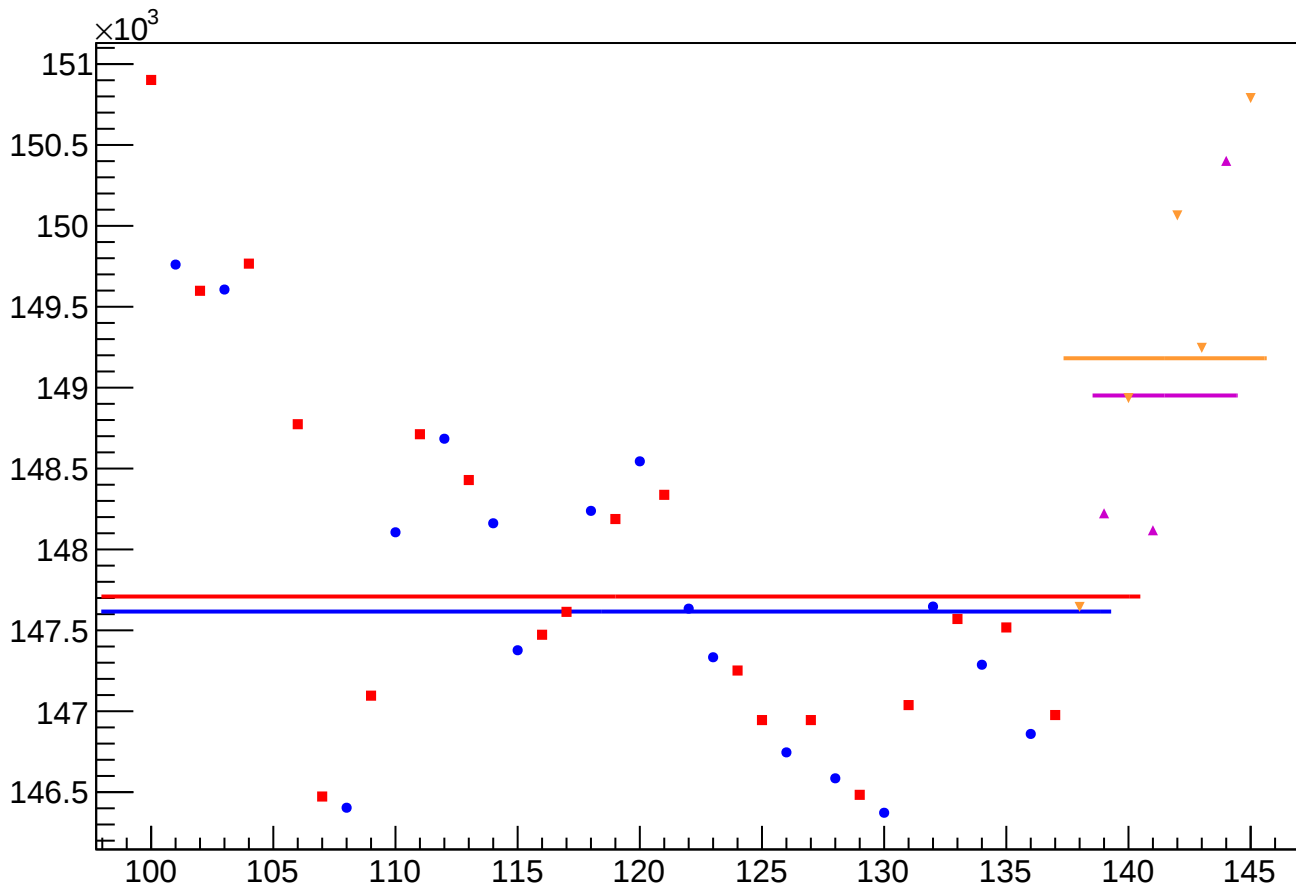
Left In: 164.318+/-0.076 χ^2/NDF : 17590.4/2

131.415+/-0.031 χ^2/NDF : 1953279.5/21

127.759+/-0.022 χ^2/NDF : 3872131.3/44

124.294+/-0.031 χ^2/NDF : 1892401.0/22

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

147990.279 $\pm$ 0.055 χ^2 /NDF: 436325744.1/21

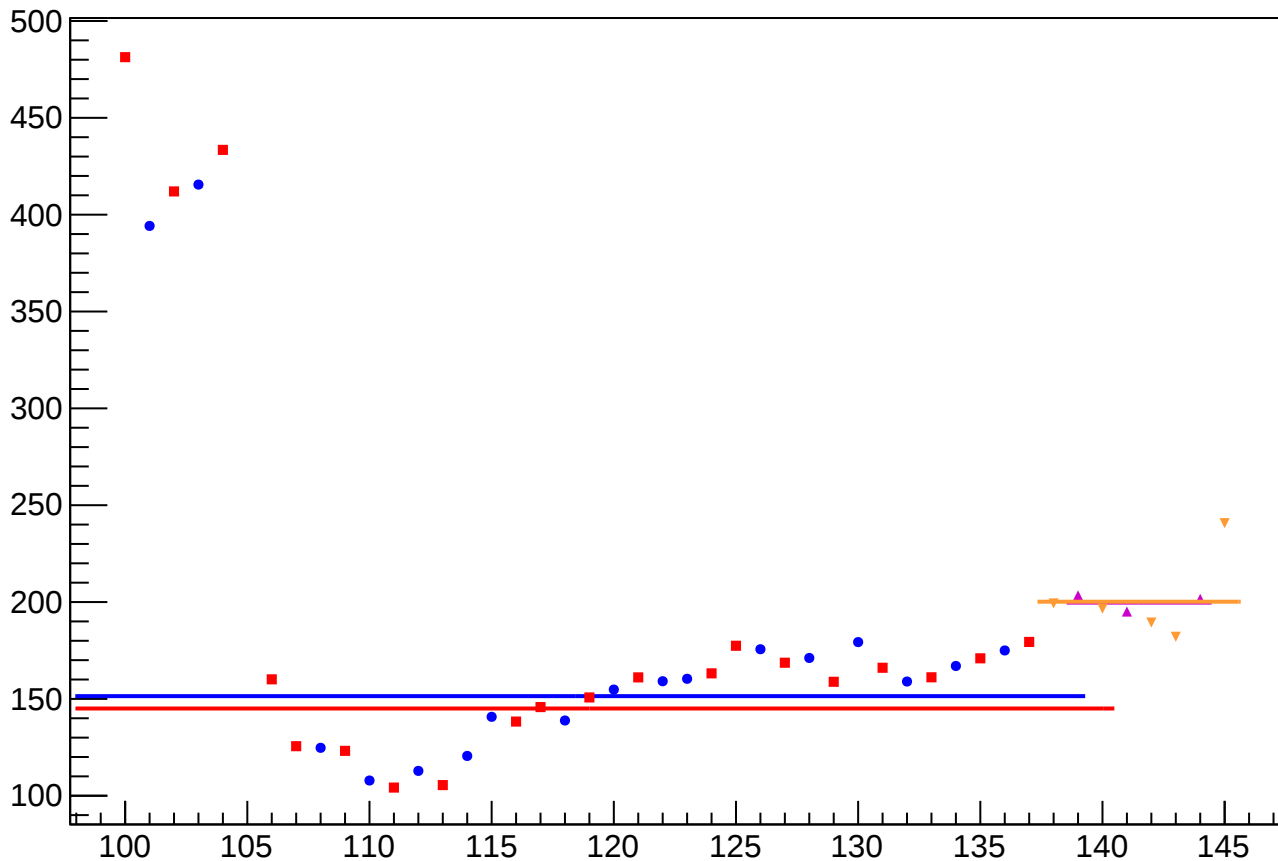
Right Out: 147709.096 $\pm$ 0.058 χ^2 /NDF: 203924272.1/19

147952.228 $\pm$ 0.038 χ^2 /NDF: 785068270

Left In: 148951.586 $\pm$ 0.130 χ^2 /NDF: 67743591.5/2

147916.159 $\pm$ 0.053 χ^2 /NDF: 347793287.5/22

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 151.424 $\pm$ 0.044 χ^2 /NDF: 1257843.0/16

Left Out: 200.180 $\pm$ 0.079 χ^2 /NDF: 58092.0/4

Right Out: 145.044 $\pm$ 0.041 χ^2 /NDF: 1375974.1/19

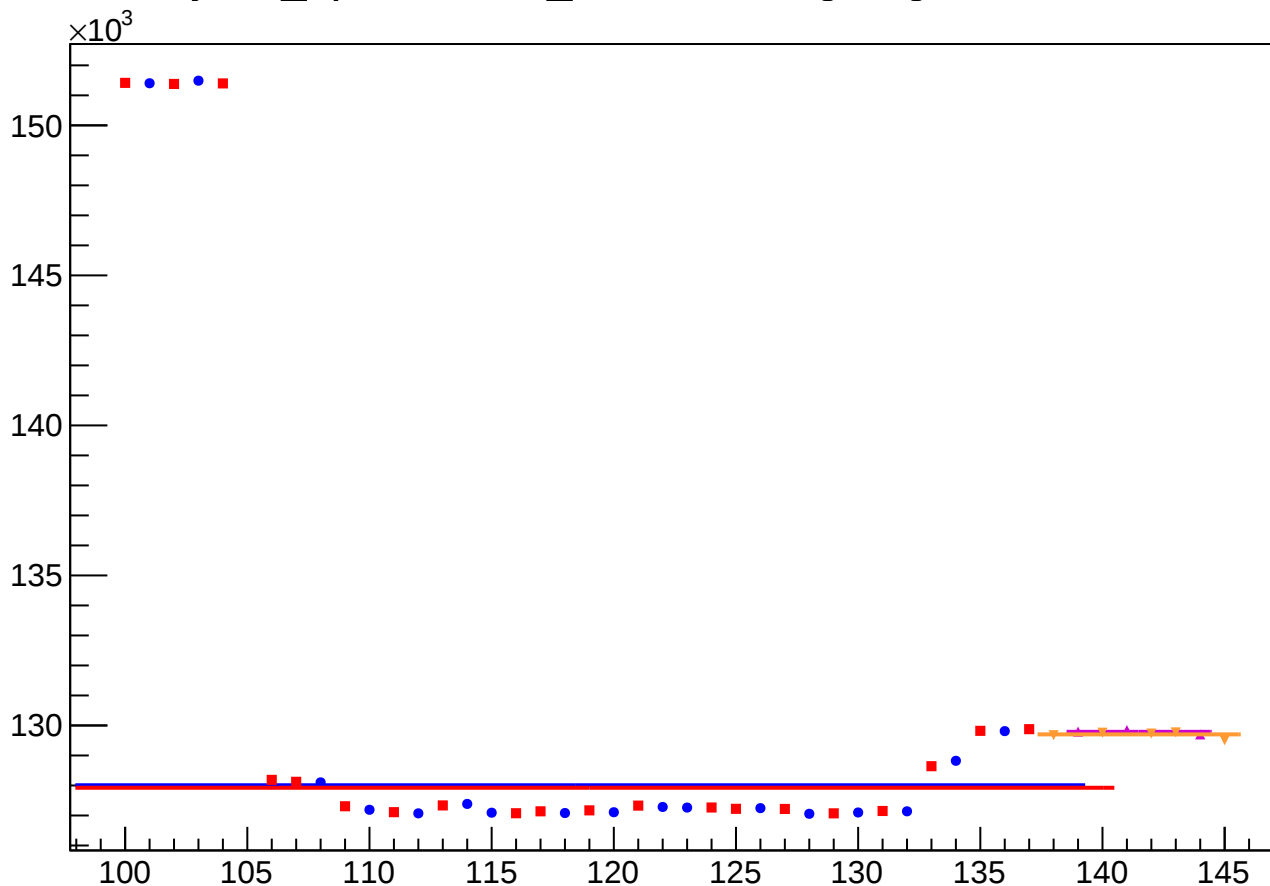
Left In: 199.705 $\pm$ 0.092 χ^2 /NDF: 1543.0/2

163.076 $\pm$ 0.039 χ^2 /NDF: 1606955.6/21

158.495 $\pm$ 0.027 χ^2 /NDF: 3306651.0/44

154.154 $\pm$ 0.038 χ^2 /NDF: 1672185.4/22

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

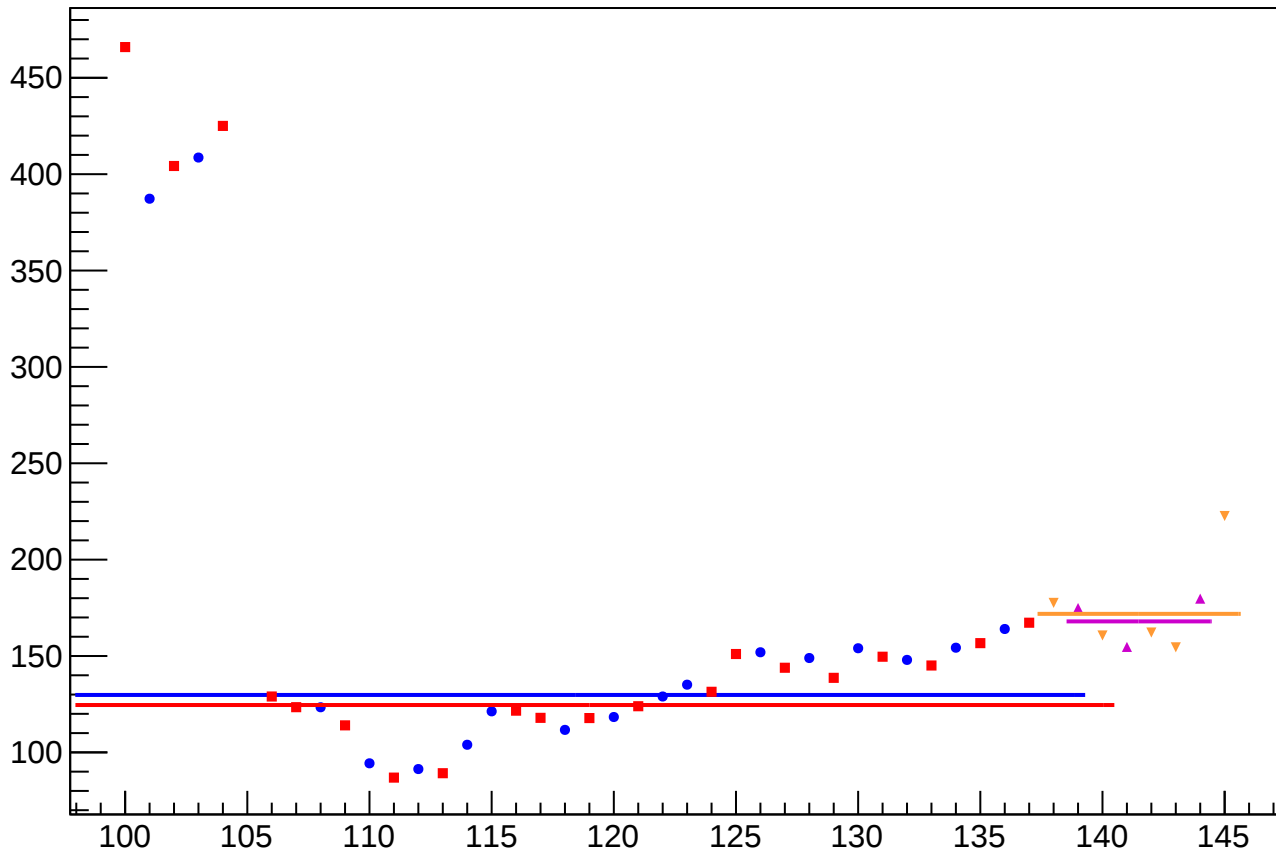
Left In: 129787.822 $\pm$ 0.110 χ^2 /NDF: 312237.8/2

128416.086 $\pm$ 0.047 χ^2 /NDF: 4557188720.3/21

128328.895 $\pm$ 0.033 χ^2 /NDF: 857352197

128247.262 $\pm$ 0.046 χ^2 /NDF: 4009712328.1/22

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.796 $\pm$ 0.038 χ^2/NDF : 1485294.2/16

Left Out: 171.871 $\pm$ 0.068 χ^2/NDF : 106349.3/4

Right Out: 124.572 $\pm$ 0.035 χ^2/NDF : 1532105.0/19

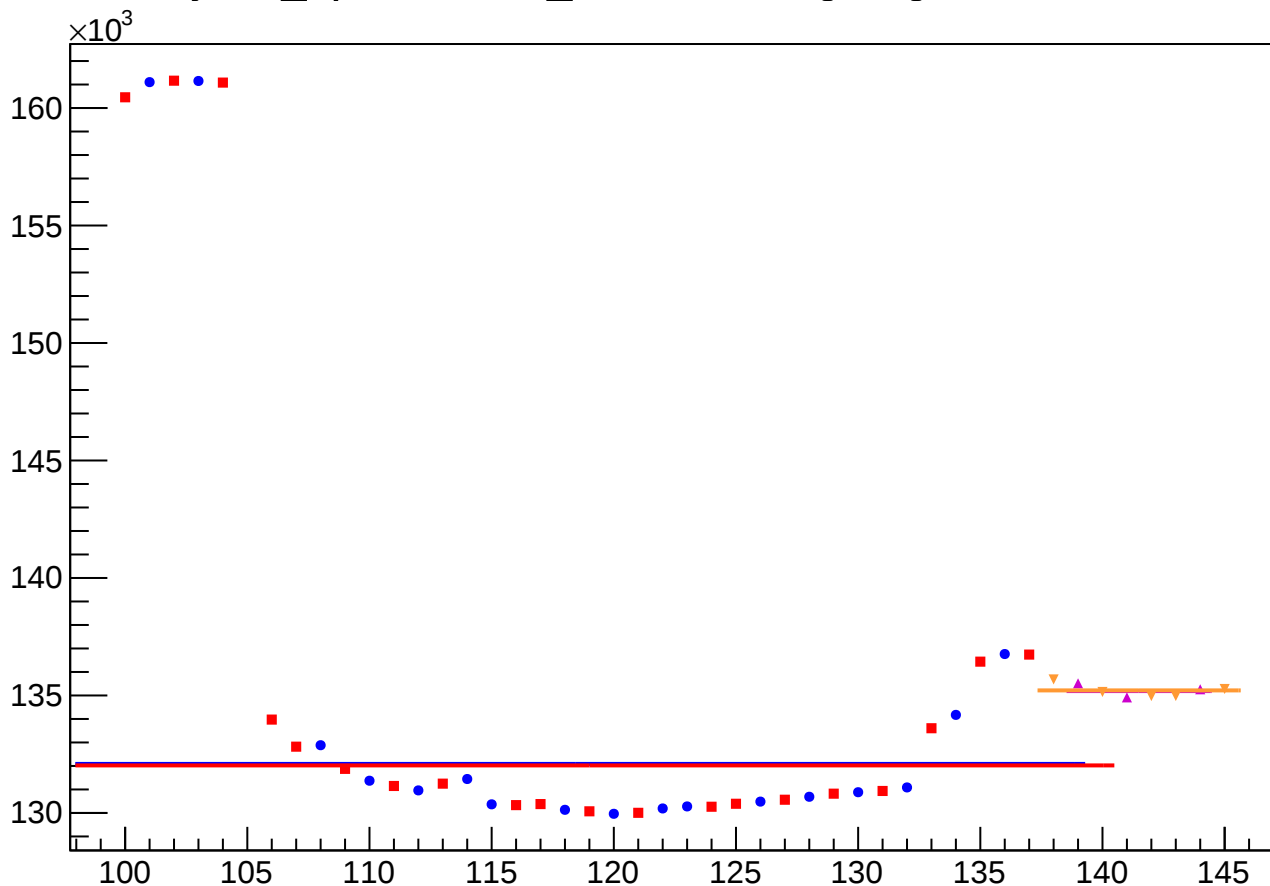
Left In: 167.956 $\pm$ 0.077 χ^2/NDF : 21708.8/2

139.938 $\pm$ 0.033 χ^2/NDF : 1882997.6/21

135.889 $\pm$ 0.023 χ^2/NDF : 3724664.6/44

132.098 $\pm$ 0.032 χ^2/NDF : 1813105.3/22

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

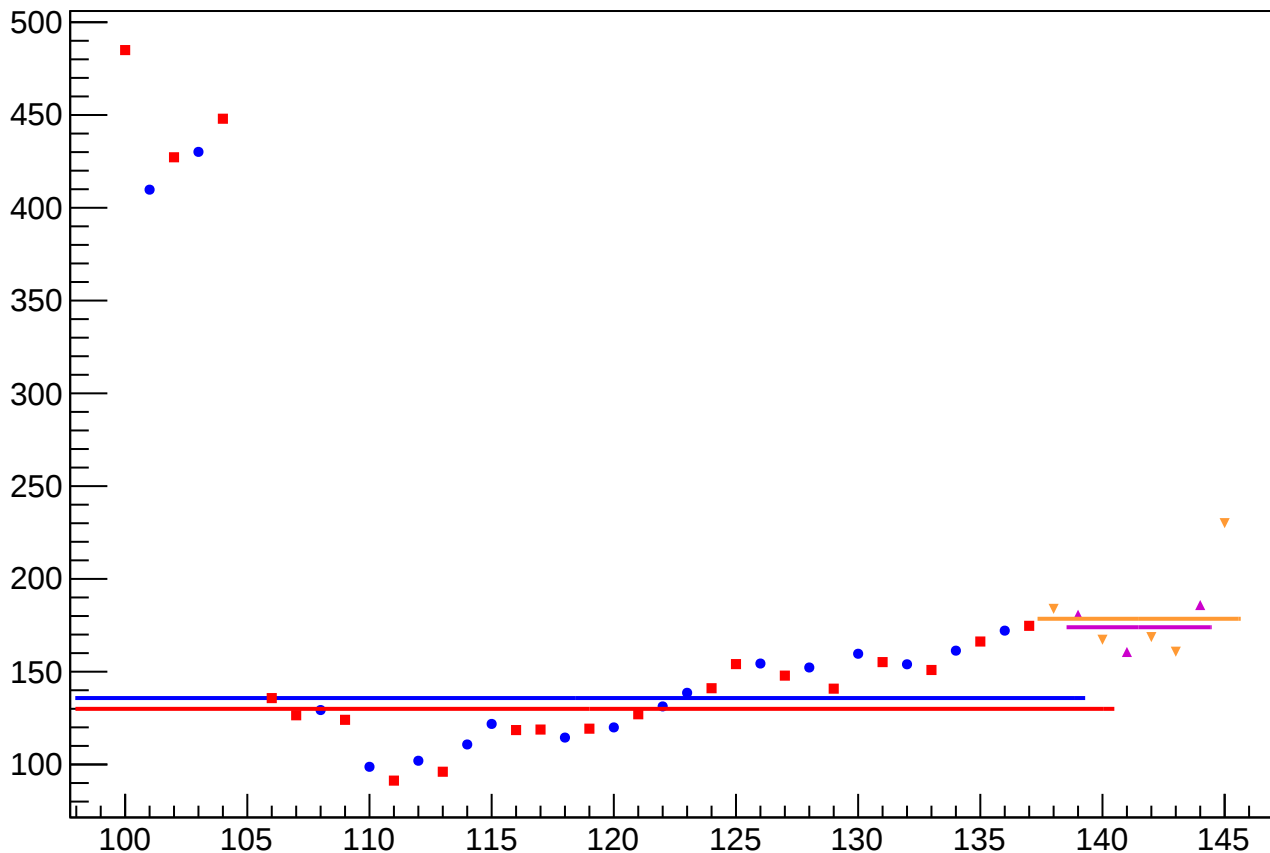
Left In: 135186.858 $\pm$ 0.113 χ^2 /NDF: 4706175.1/2

132847.971 $\pm$ 0.049 χ^2 /NDF: 7485556883.1/21

132708.465 $\pm$ 0.034 χ^2 /NDF: 140375462

132578.269 $\pm$ 0.048 χ^2 /NDF: 6536427505.1/22

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 135.796 $\pm$ 0.040 χ^2/NDF : 1441904.9/16

Left Out: 178.517 $\pm$ 0.070 χ^2/NDF :102200.5/4

Right Out: 129.975 $\pm$ 0.037 χ^2/NDF : 1504768.0/19

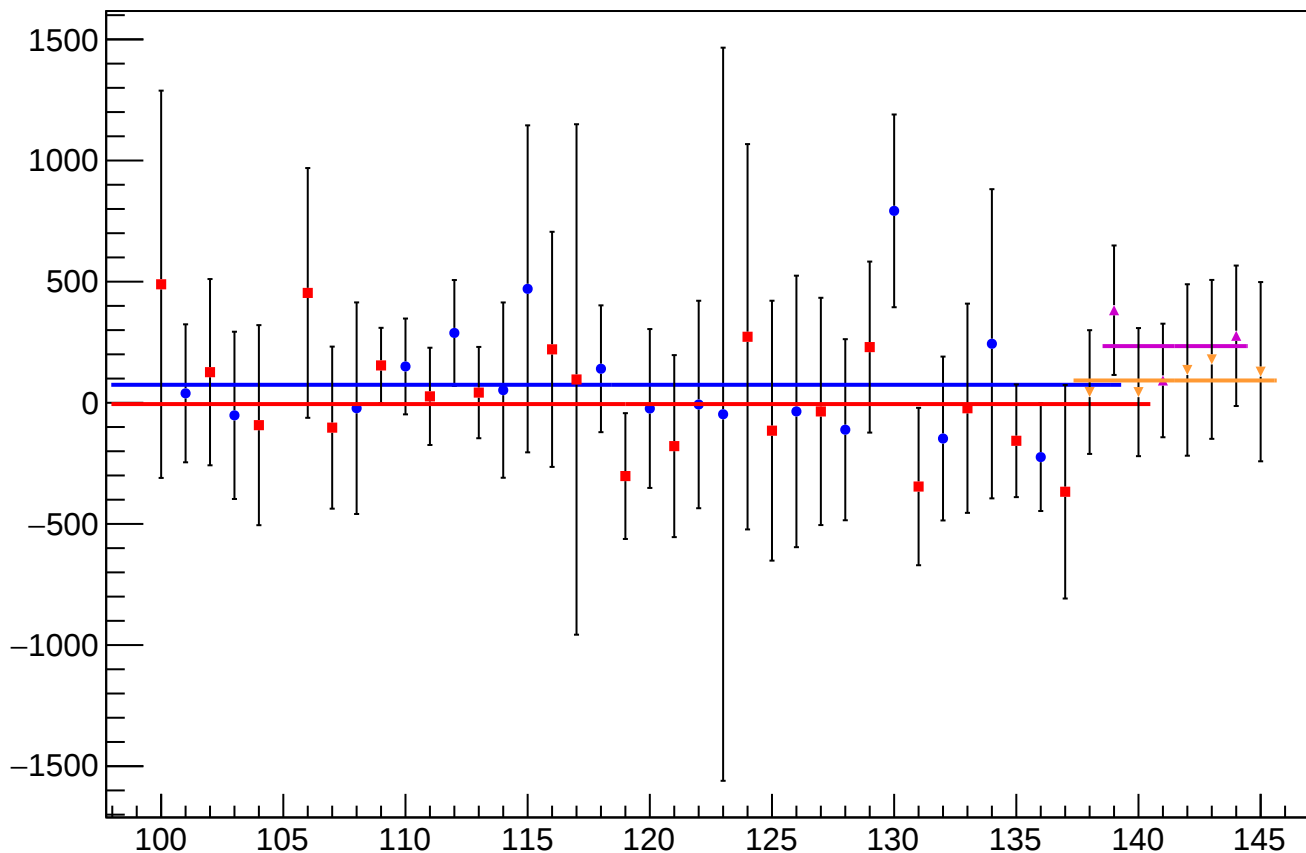
Left In: 173.953 $\pm$ 0.080 χ^2/NDF :20437.4/2

146.190 $\pm$ 0.035 χ^2/NDF : 1822041.8/21

141.791 $\pm$ 0.024 χ^2/NDF : 3626063.9/44

137.686 $\pm$ 0.034 χ^2/NDF : 1773082.7/22

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 74.294 $\pm$ 79.018 χ^2/NDF : 7.7/16

Left Out: 92.117 $\pm$ 135.793 χ^2/NDF : 0.2/4

Right Out: -5.290 $\pm$ 69.914 χ^2/NDF : 7.1/19

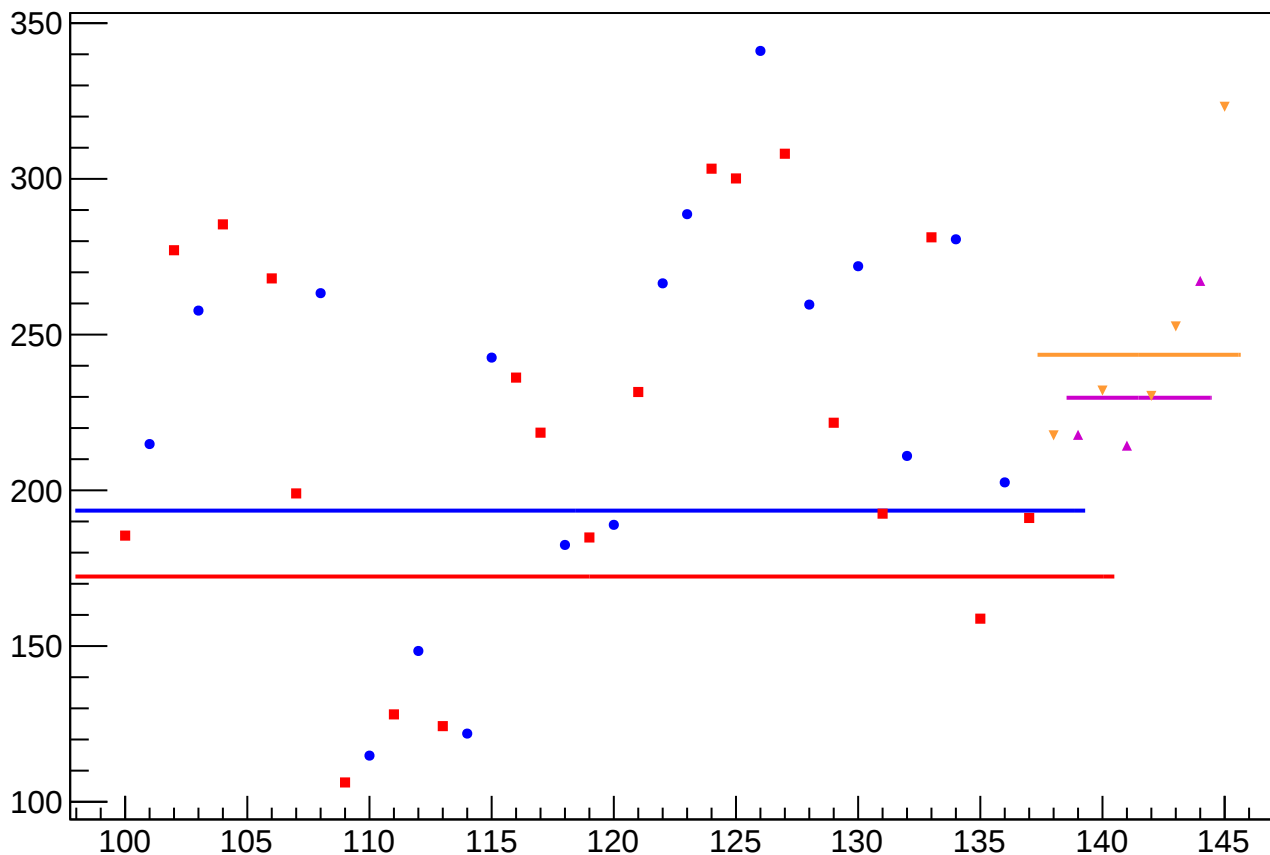
Left In: 233.973 $\pm$ 150.564 χ^2/NDF : 0.7/2

78.803 $\pm$ 68.297 χ^2/NDF : 7.9/21

56.433 $\pm$ 46.470 χ^2/NDF : 18.0/44

37.149 $\pm$ 63.411 χ^2/NDF : 9.9/22

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.488 $\pm$ 0.056 χ^2/NDF : 1017195.7/16

Left Out: 243.523 $\pm$ 0.096 χ^2/NDF :121315.9/4

Right Out: 172.327 $\pm$ 0.049 χ^2/NDF : 1583701.4/19

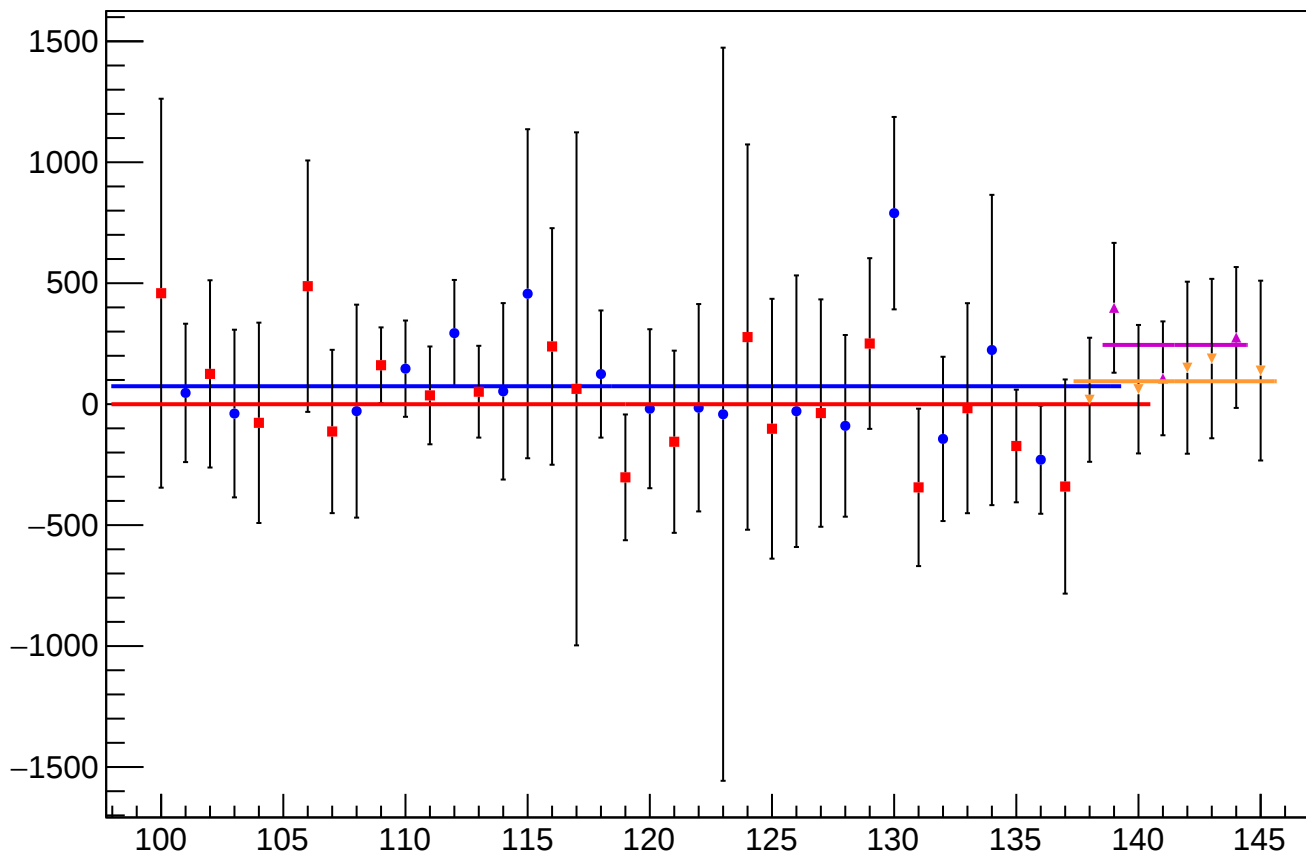
Left In: 229.724 $\pm$ 0.106 χ^2/NDF :46081.9/2

206.145 $\pm$ 0.048 χ^2/NDF : 1341358.0/21

193.451 $\pm$ 0.033 χ^2/NDF : 3338895.5/44

182.508 $\pm$ 0.045 χ^2/NDF : 1868884.5/22

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

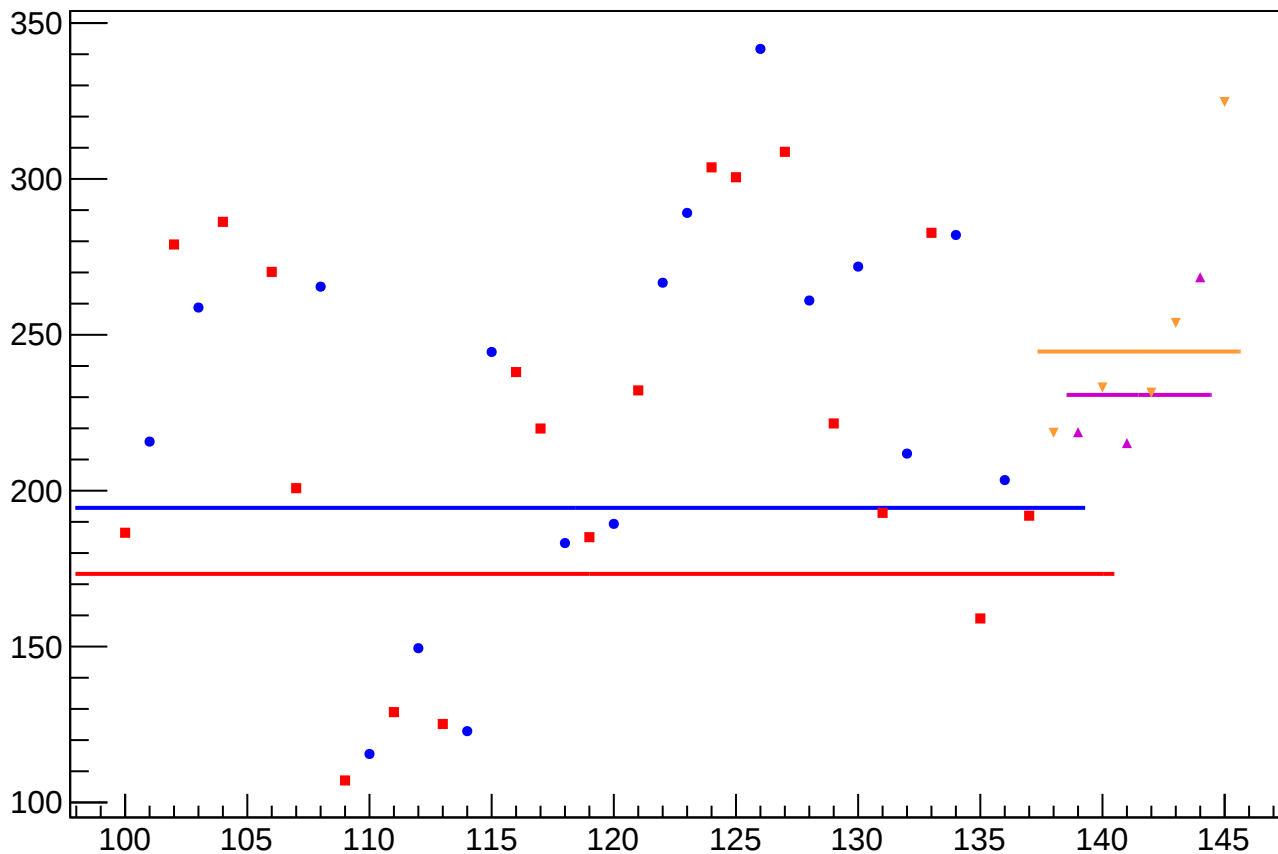
Left In: 244.903+/-151.225 χ^2/NDF : 0.7/2

79.296+/-68.625 χ^2/NDF : 7.8/21

59.979+/-46.700 χ^2/NDF : 18.1/44

43.318+/-63.735 χ^2/NDF : 10.2/22

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

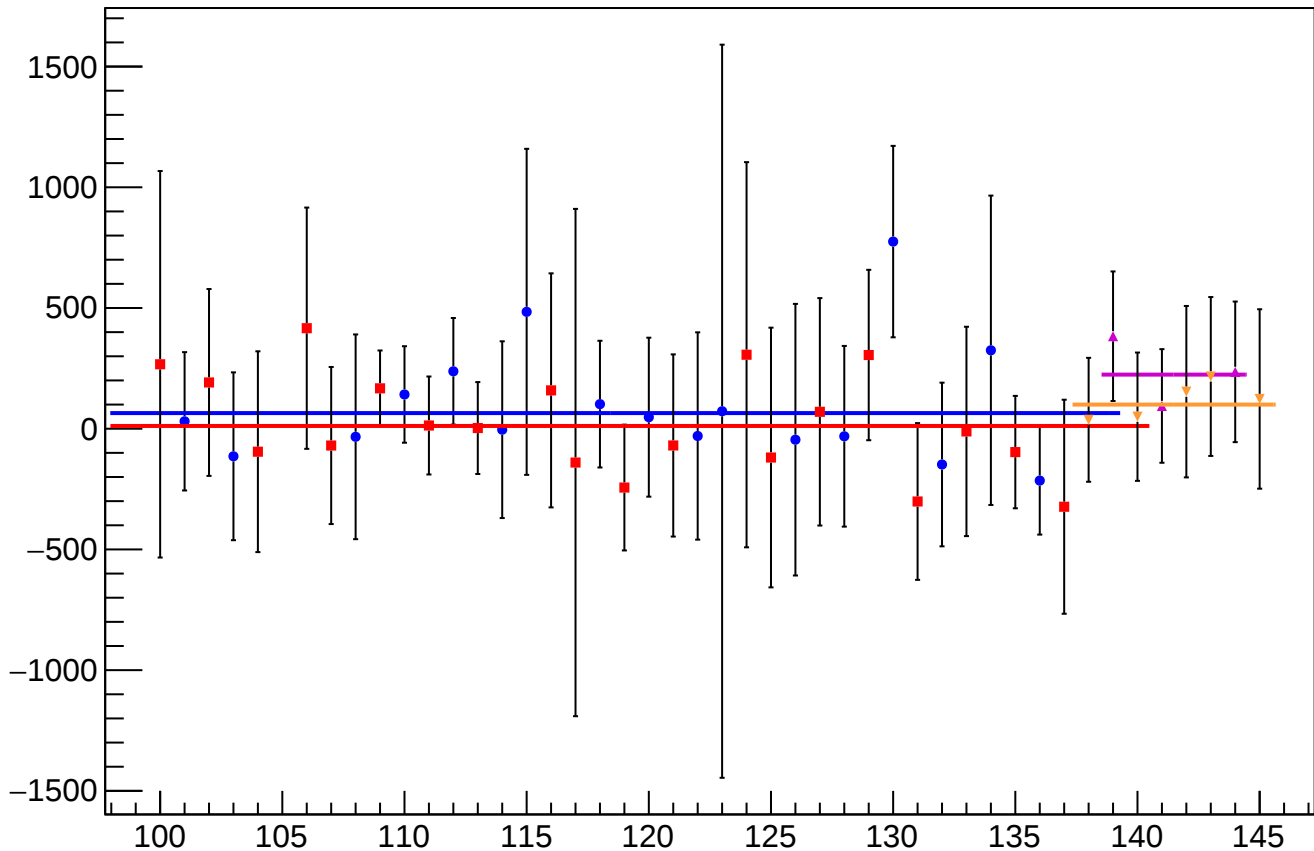
Left In: 230.728 $\pm$ 0.107 χ^2 /NDF:46192.4/2

207.184 $\pm$ 0.049 χ^2 /NDF: 1331786.2/21

194.476 $\pm$ 0.033 χ^2 /NDF: 3314030.7/44

183.515 $\pm$ 0.045 χ^2 /NDF: 1854503.9/22

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 64.733+/-79.399 χ^2/NDF : 7.0/16

Left Out: 99.943+/-136.391 χ^2/NDF : 0.2/4

Right Out: 11.414+/-70.204 χ^2/NDF : 5.8/19

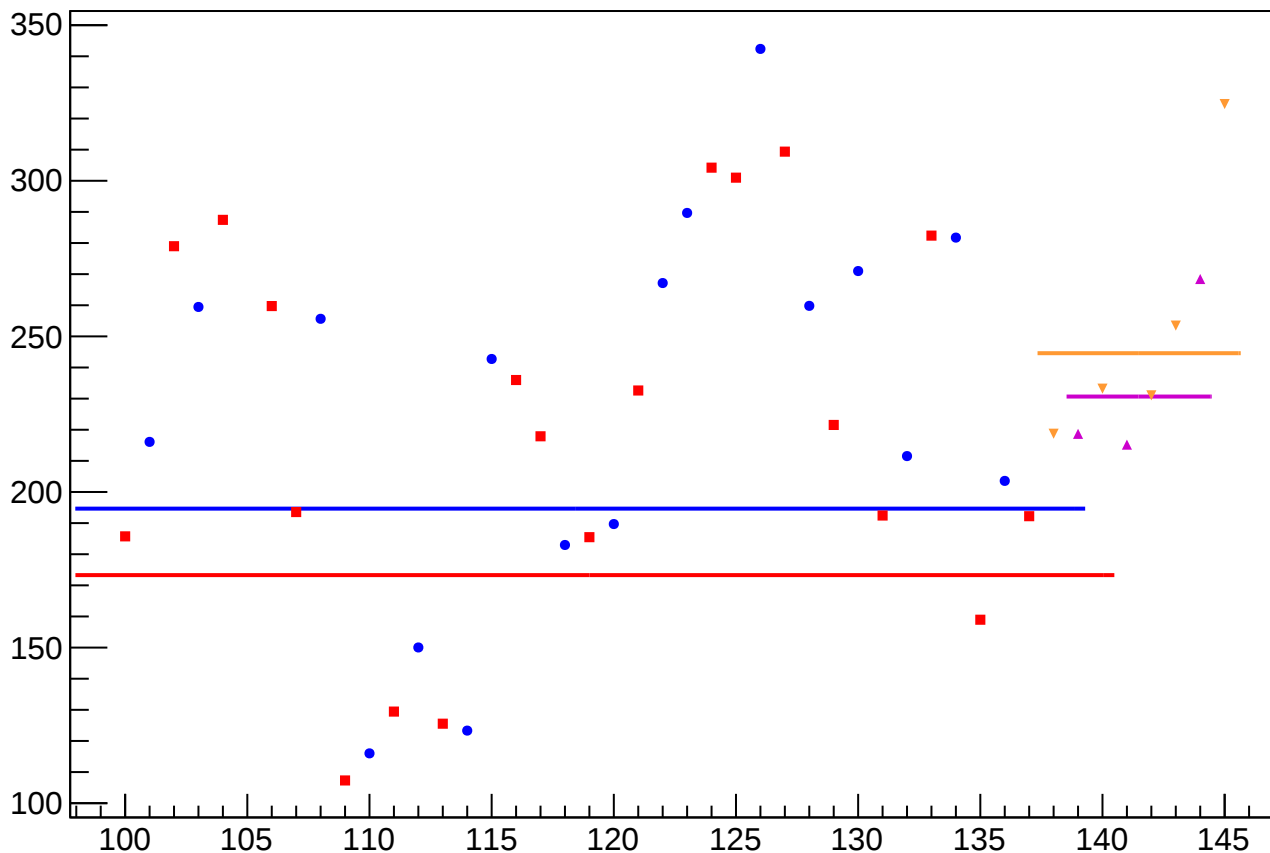
Left In: 224.117+/-151.184 χ^2/NDF : 0.7/2

73.645+/-68.619 χ^2/NDF : 7.3/21

60.480+/-46.674 χ^2/NDF : 15.5/44

49.144+/-63.673 χ^2/NDF : 8.1/22

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

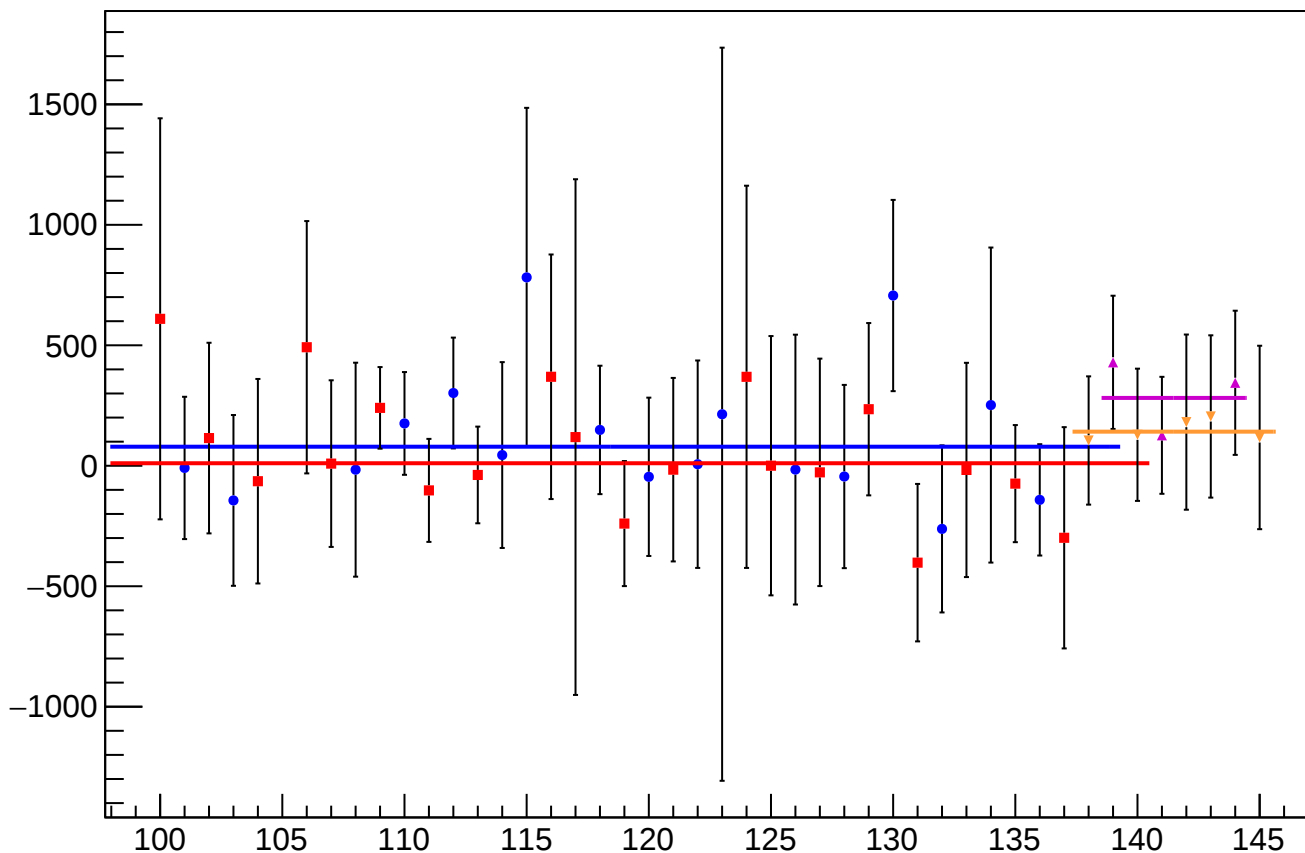
Left In: 230.668 +/- 0.107 χ^2/NDF : 46267.1/2

207.294 +/- 0.049 χ^2/NDF : 1308307.1/21

194.491 +/- 0.033 χ^2/NDF : 3269301.9/44

183.467 +/- 0.045 χ^2/NDF : 1831419.5/22

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 79.128+/-81.874 χ^2/NDF : 7.5/16

Left Out: 141.568+/-140.479 χ^2/NDF : 0.1/4

Right Out: 10.491+/-73.139 χ^2/NDF : 7.9/19

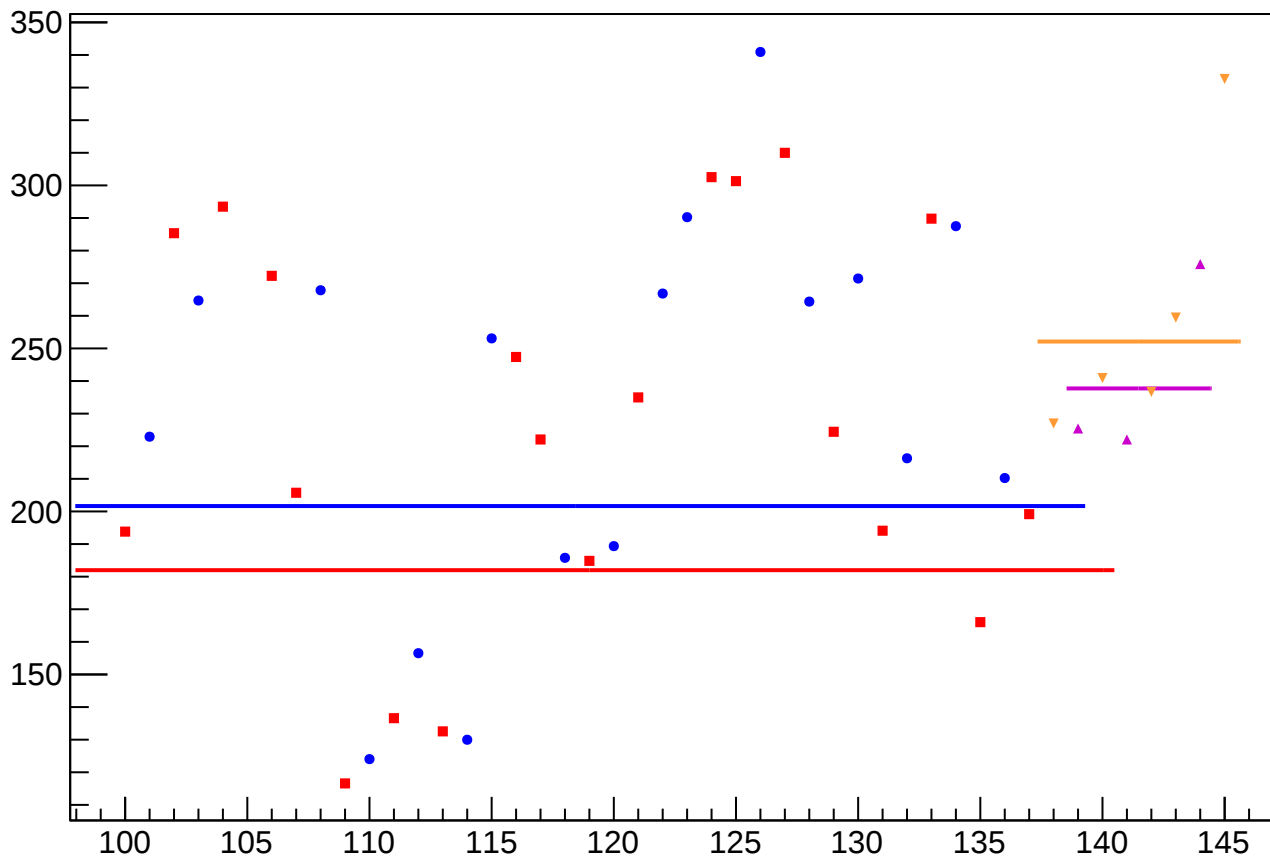
Left In: 281.575+/-155.737 χ^2/NDF : 0.7/2

94.960+/-70.737 χ^2/NDF : 7.7/21

76.044+/-48.336 χ^2/NDF : 19.0/44

59.475+/-66.202 χ^2/NDF : 11.1/22

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

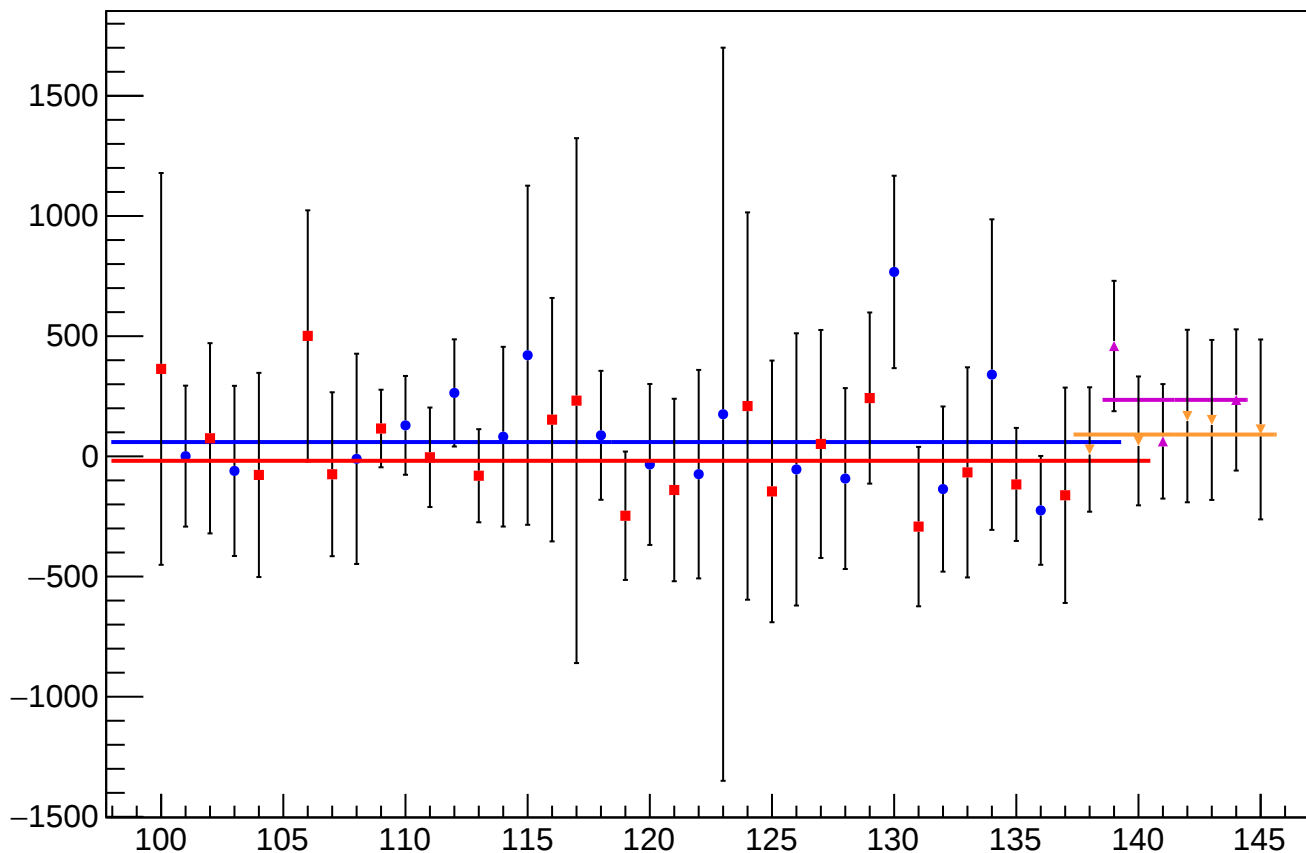
Left In: 237.728 $\pm$ 0.110 χ^2/NDF : 44784.1/2

214.449 $\pm$ 0.050 χ^2/NDF : 1191032.7/21

202.513 $\pm$ 0.034 χ^2/NDF : 2932833.6/44

192.058 $\pm$ 0.047 χ^2/NDF : 1634976.1/22

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

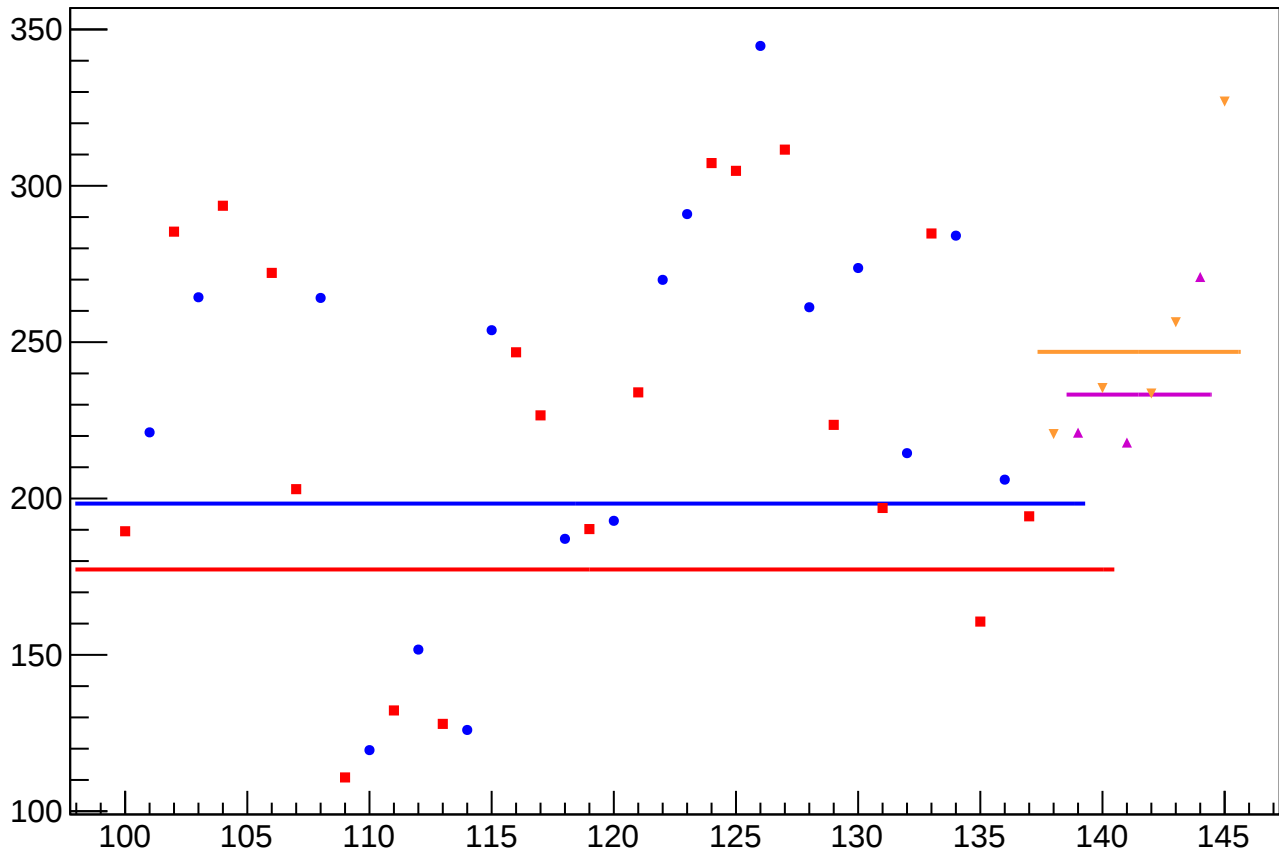
Left In: 235.056 $\pm$ 152.831 χ^2/NDF : 1.2/2

67.515 $\pm$ 69.688 χ^2/NDF : 7.2/21

45.977 $\pm$ 47.502 χ^2/NDF : 15.6/44

27.287 $\pm$ 64.920 χ^2/NDF : 8.2/22

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

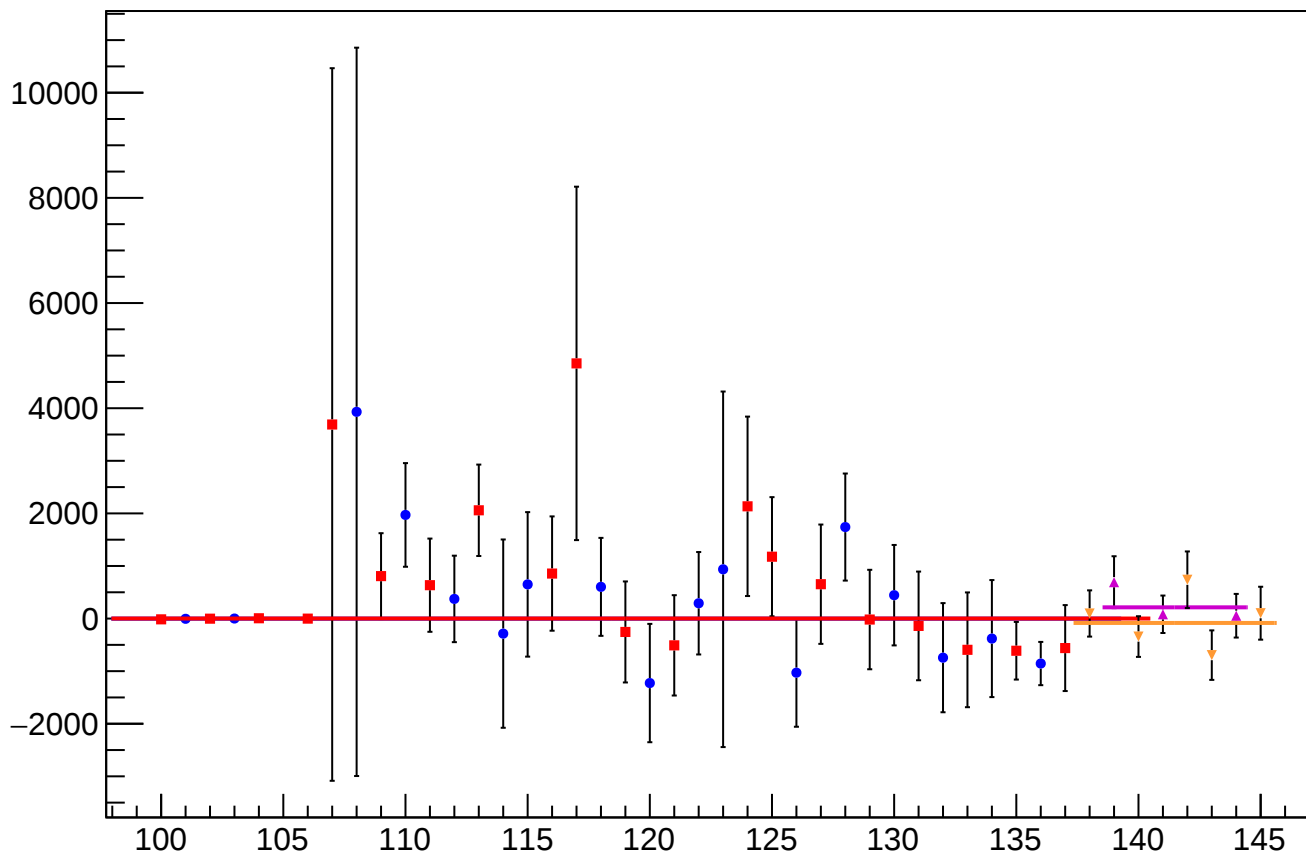
Left In: 233.234 $\pm$ 0.108 χ^2/NDF :45114.4/2

210.814 $\pm$ 0.049 χ^2/NDF : 1268719.5/21

198.279 $\pm$ 0.034 χ^2/NDF : 3183030.4/44

187.400 $\pm$ 0.046 χ^2/NDF : 1793445.7/22

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

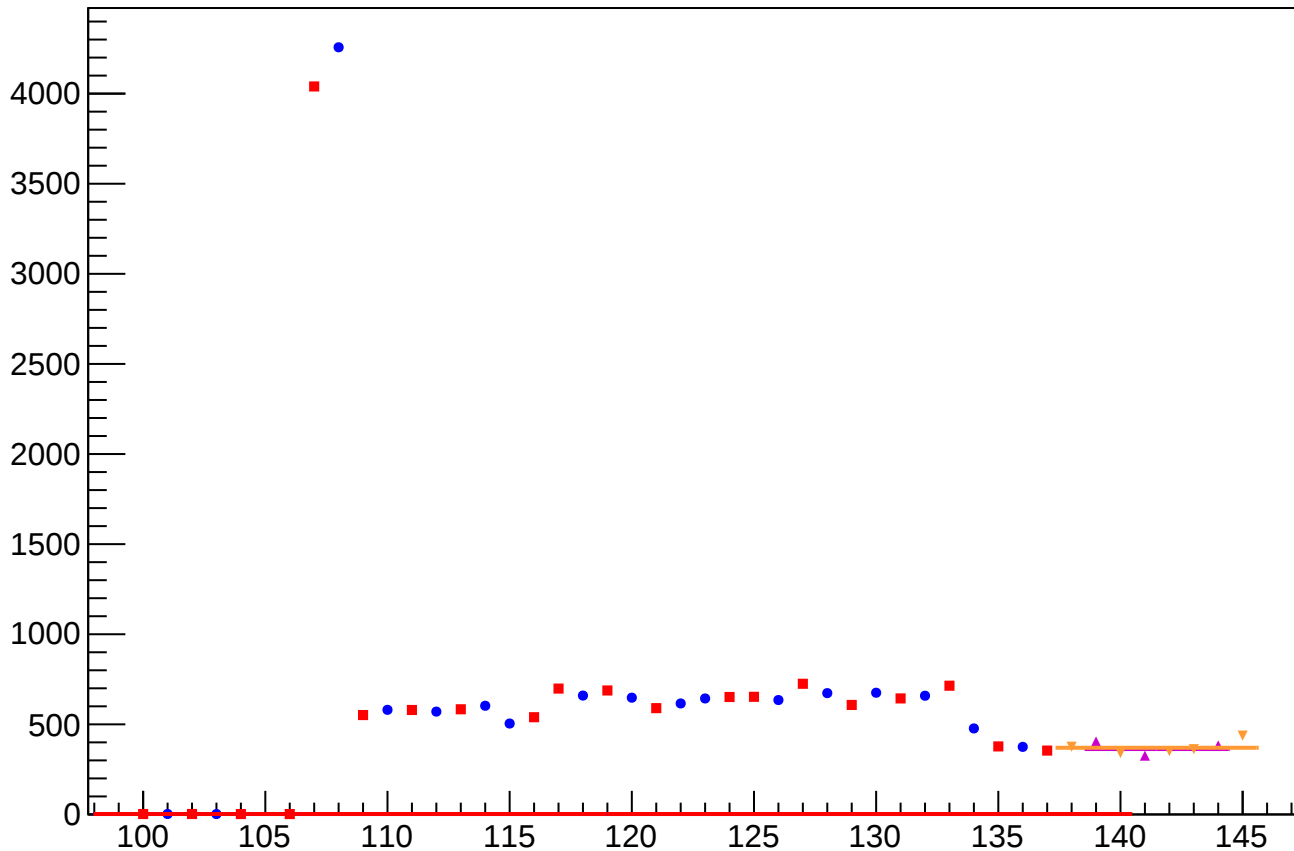
Left In: 213.576 ± 236.978 χ^2/NDF : 1.2/2

-1.539 ± 2.251 χ^2/NDF : 21.9/21

-0.324 ± 1.540 χ^2/NDF : 45.9/44

0.745 ± 2.111 χ^2/NDF : 23.4/22

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

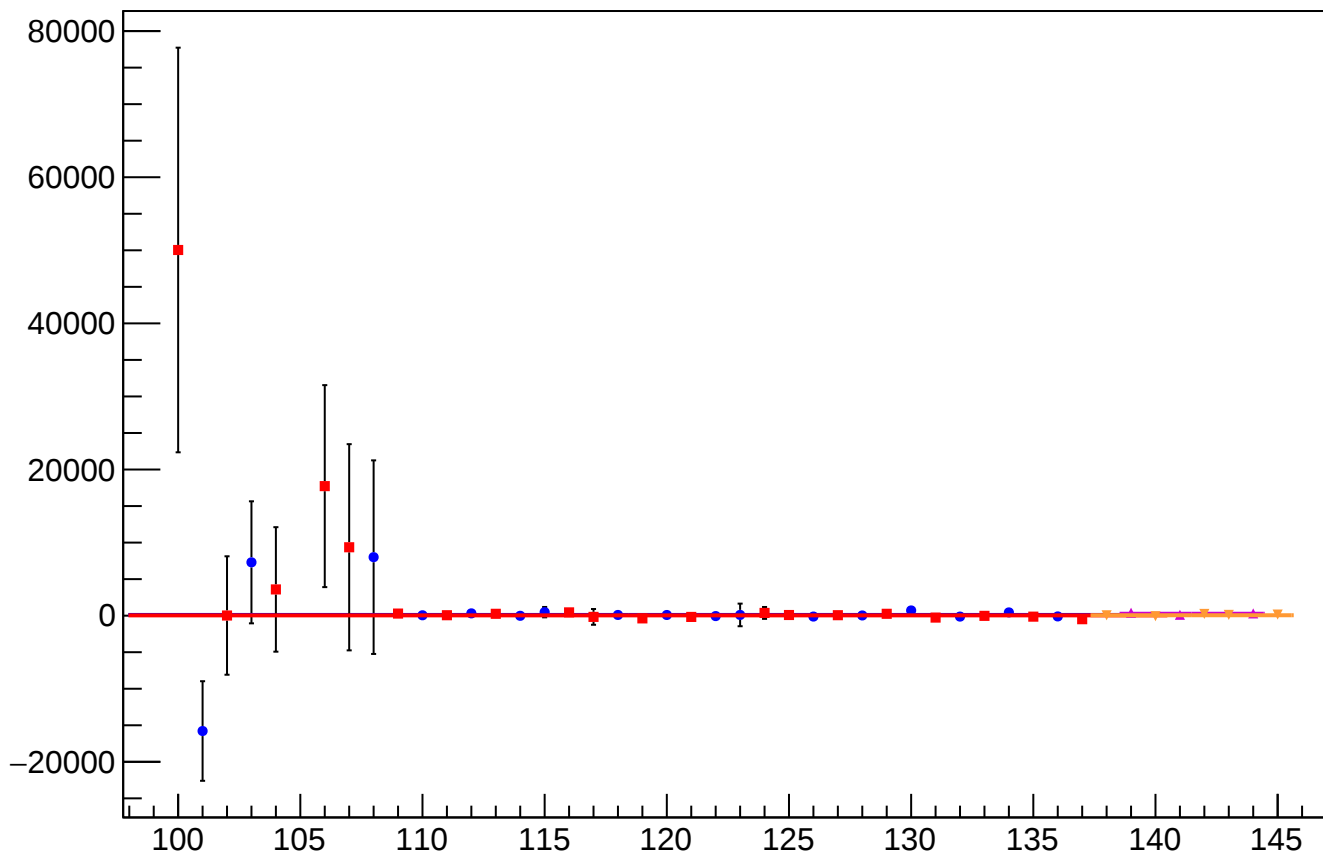
Left In: 363.005+/-0.168 χ^2/NDF : 40448.4/2

2.501+/-0.002 χ^2/NDF : 17326873.9/21

2.482+/-0.001 χ^2/NDF : 33230525.9/44

2.466+/-0.001 χ^2/NDF : 15903389.6/22

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

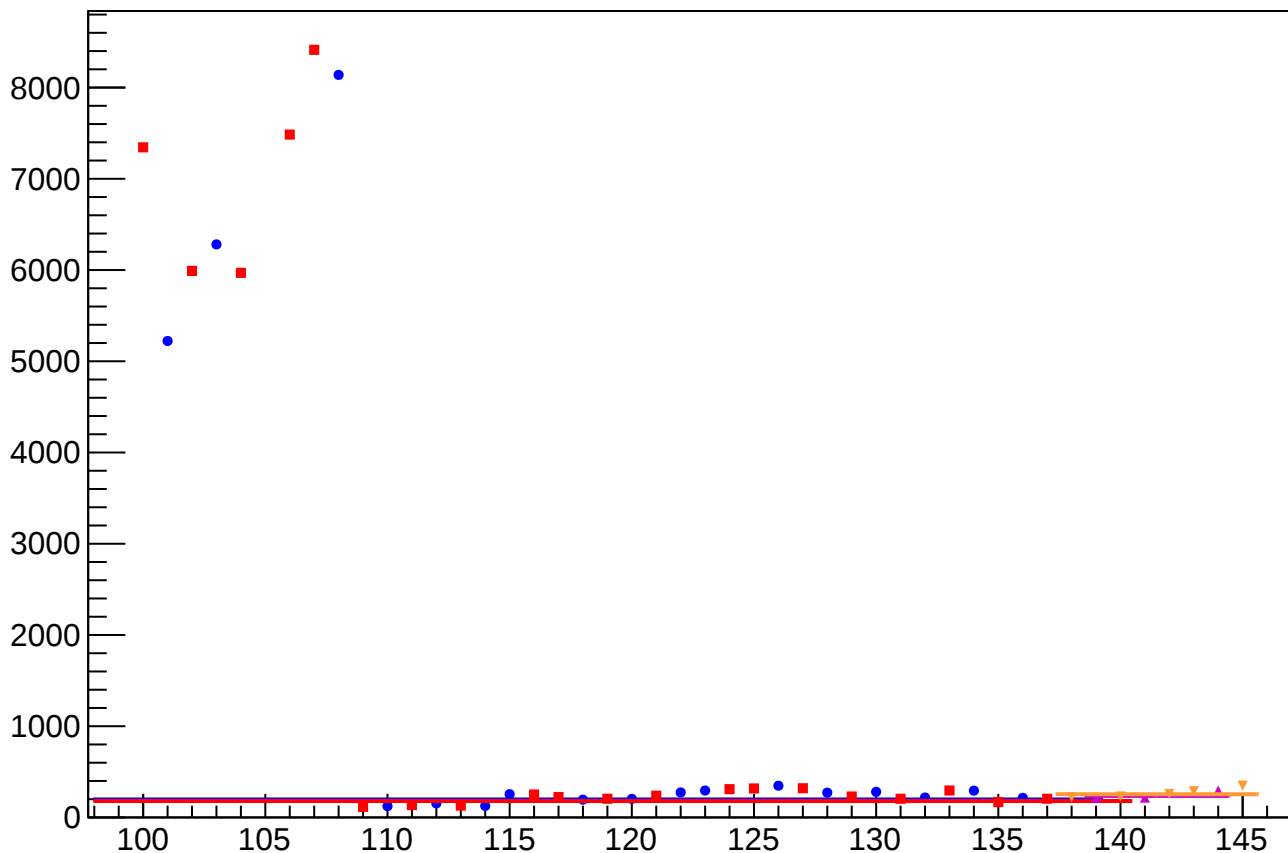
Left In: 261.303+/-155.888 χ^2/NDF : 0.6/2

86.872+/-76.625 χ^2/NDF : 12.5/21

88.906+/-53.271 χ^2/NDF : 28.6/44

90.808+/-74.109 χ^2/NDF : 16.1/22

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

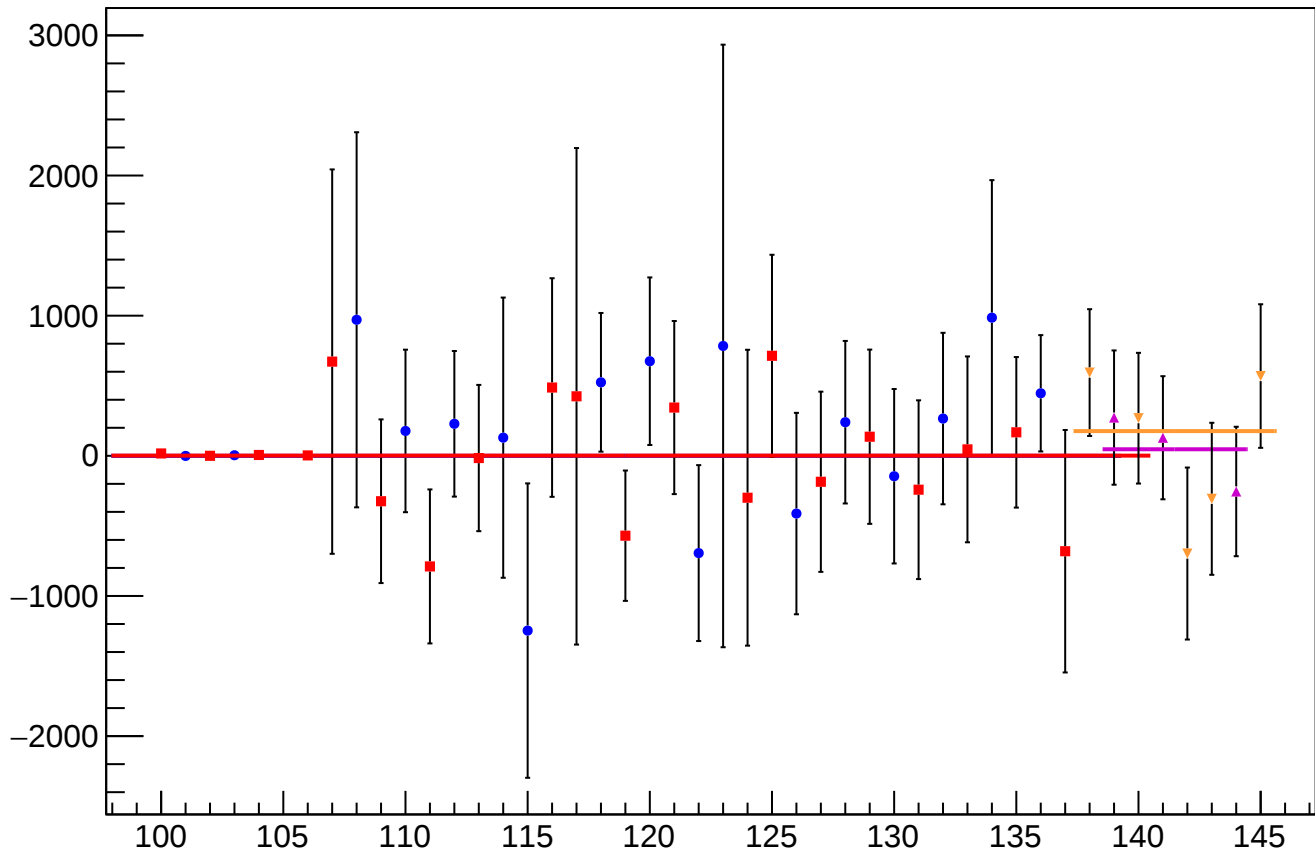
Left In: 236.453+/-0.110 χ^2/NDF :89265.9/2

213.640+/-0.054 χ^2/NDF : 4101518.8/21

202.938+/-0.038 χ^2/NDF : 8792202.4/44

192.927+/-0.052 χ^2/NDF : 4615175.0/22

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

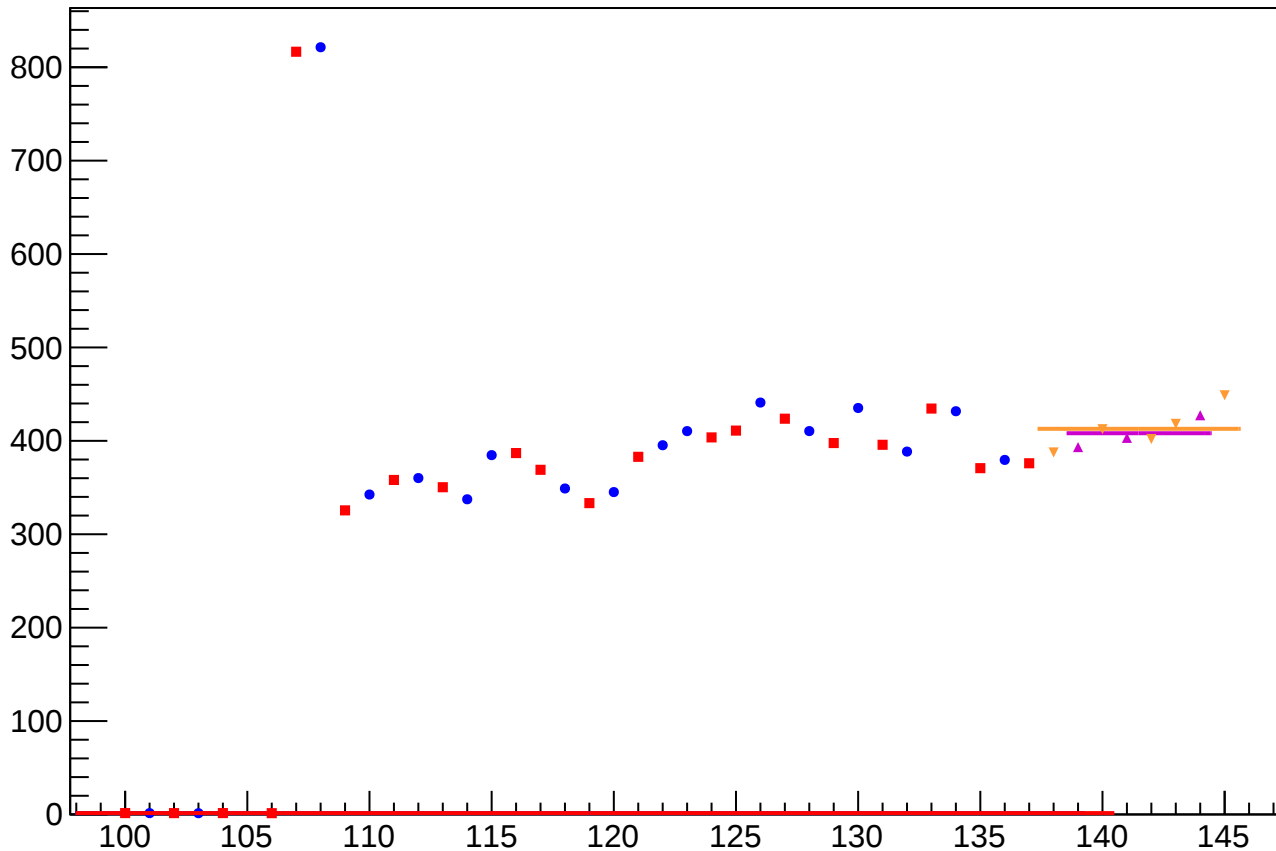
Left In: 46.756 ± 265.086 χ^2/NDF : 0.7/2

-0.128 ± 1.737 χ^2/NDF : 14.6/21

0.648 ± 1.186 χ^2/NDF : 25.4/44

1.325 ± 1.623 χ^2/NDF : 10.4/22

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

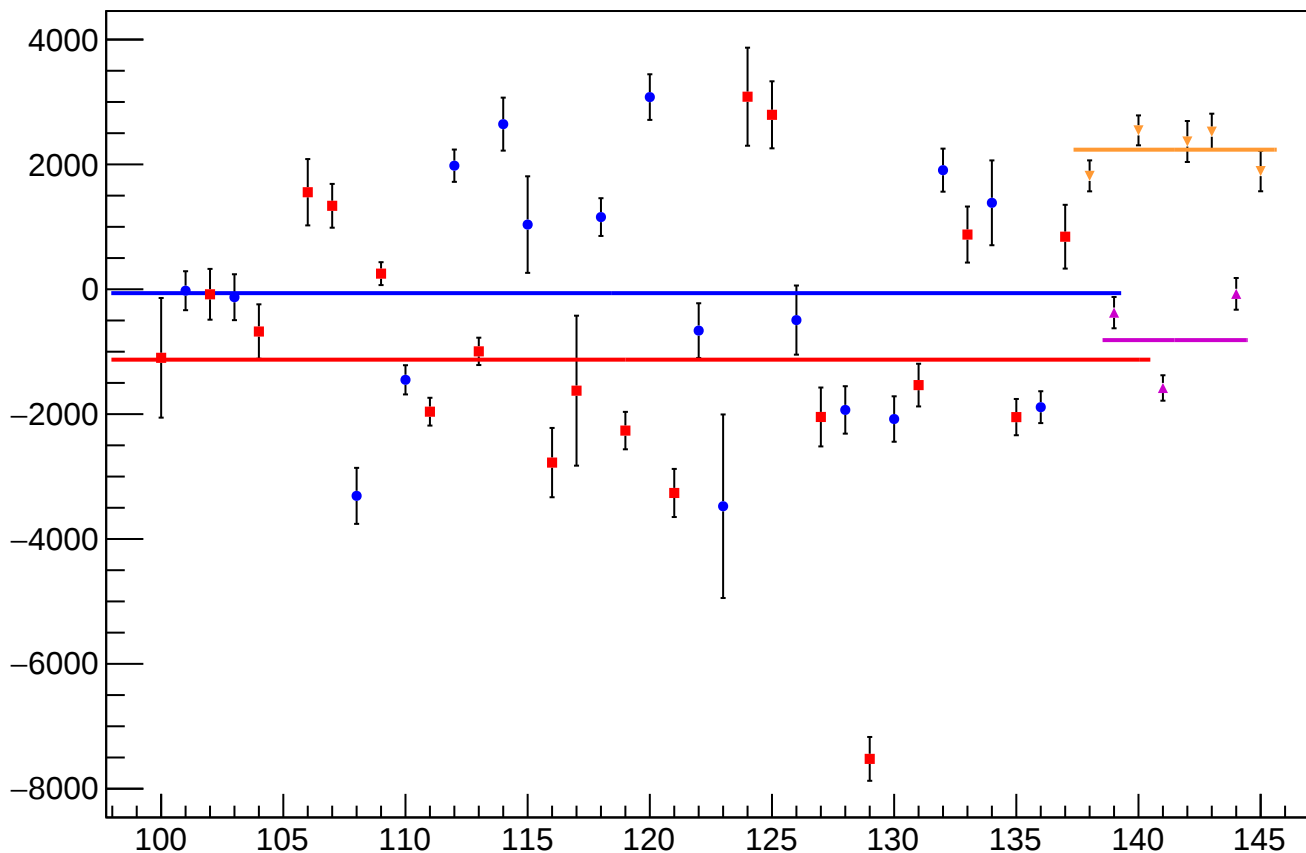
Left In: 408.155+/-0.187 χ^2/NDF : 5649.4/2

1.477+/-0.001 χ^2/NDF : 17526893.8/21

1.471+/-0.001 χ^2/NDF : 33206971.6/44

1.467+/-0.001 χ^2/NDF : 15680040.7/22

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -62.164 $\pm$ 87.424 χ^2/NDF : 433.9/16

Left Out: 2235.932 $\pm$ 124.442 χ^2/NDF : 6.8/4

Right Out: -1127.552 $\pm$ 78.203 χ^2/NDF : 671.4/19

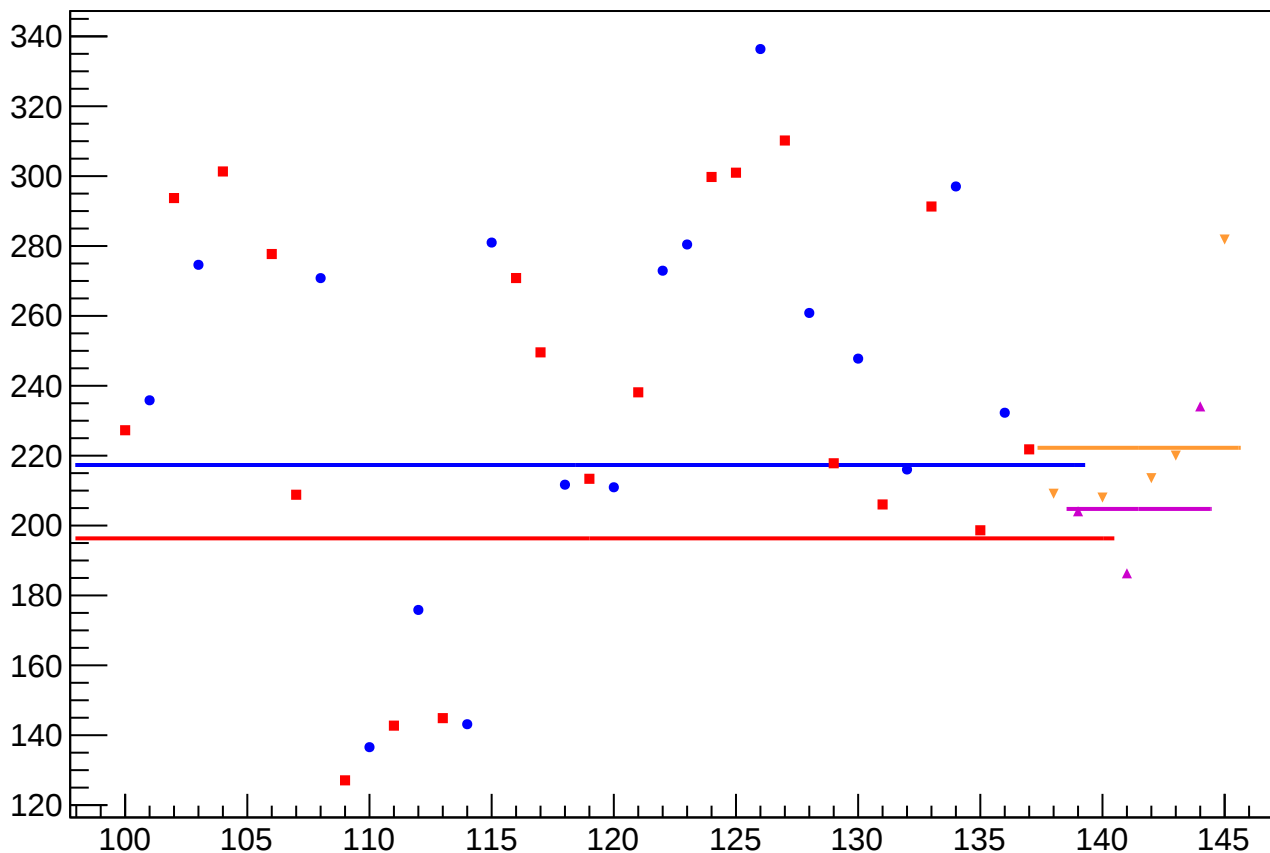
Left In: -814.305 $\pm$ 134.212 χ^2/NDF : 25.8/2

697.240 $\pm$ 71.535 χ^2/NDF : 669.1/21

-225.179 $\pm$ 49.121 χ^2/NDF : 1684.9/44

-1048.155 $\pm$ 67.569 χ^2/NDF : 701.2/22

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

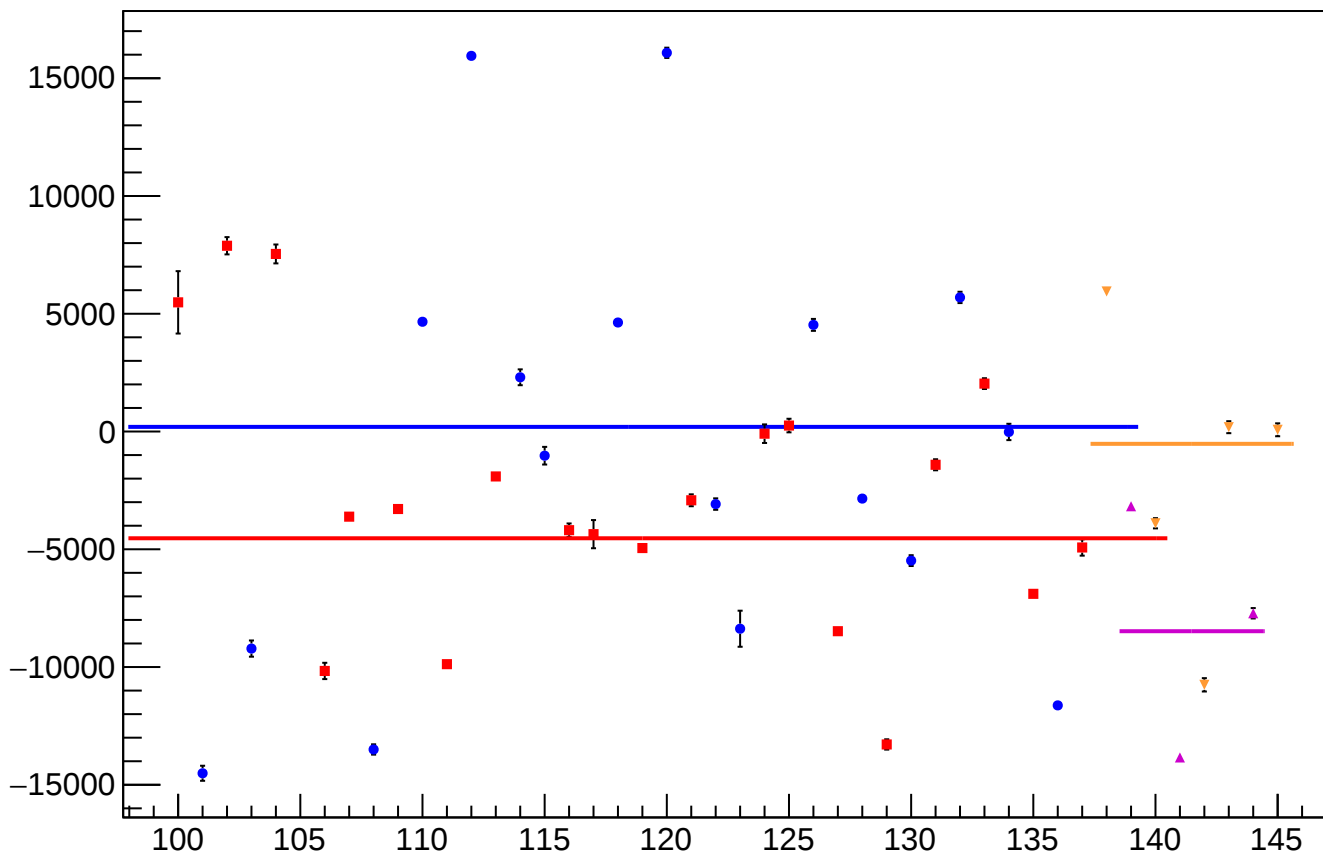
Left In: 204.756 $\pm$ 0.095 χ^2/NDF : 43055.7/2

218.956 $\pm$ 0.051 χ^2/NDF : 736882.8/21

208.128 $\pm$ 0.035 χ^2/NDF : 2067211.1/44

198.467 $\pm$ 0.048 χ^2/NDF : 1243615.4/22

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 197.008 ± 54.799 $\chi^2/\text{NDF}: 30658.3/16$

Left Out: -523.086 ± 105.330 $\chi^2/\text{NDF}: 2720.8/4$

Right Out: -4532.856 ± 52.261 $\chi^2/\text{NDF}: 7477.3/19$

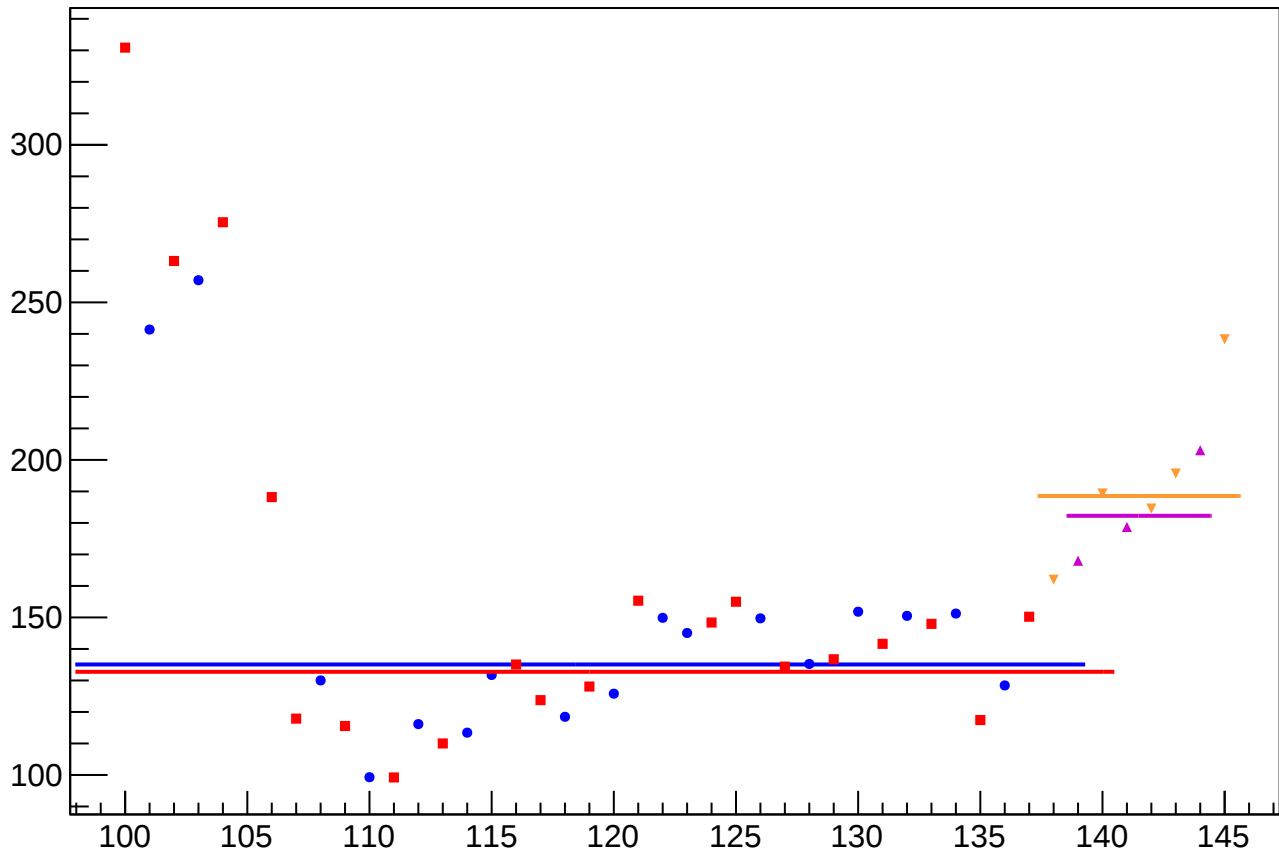
Left In: -8479.074 ± 119.328 $\chi^2/\text{NDF}: 1425.3/2$

43.620 ± 48.613 $\chi^2/\text{NDF}: 33415.9/21$

-2602.241 ± 34.109 $\chi^2/\text{NDF}: 49071.0/44$

-5167.961 ± 47.871 $\chi^2/\text{NDF}: 9820.3/22$

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

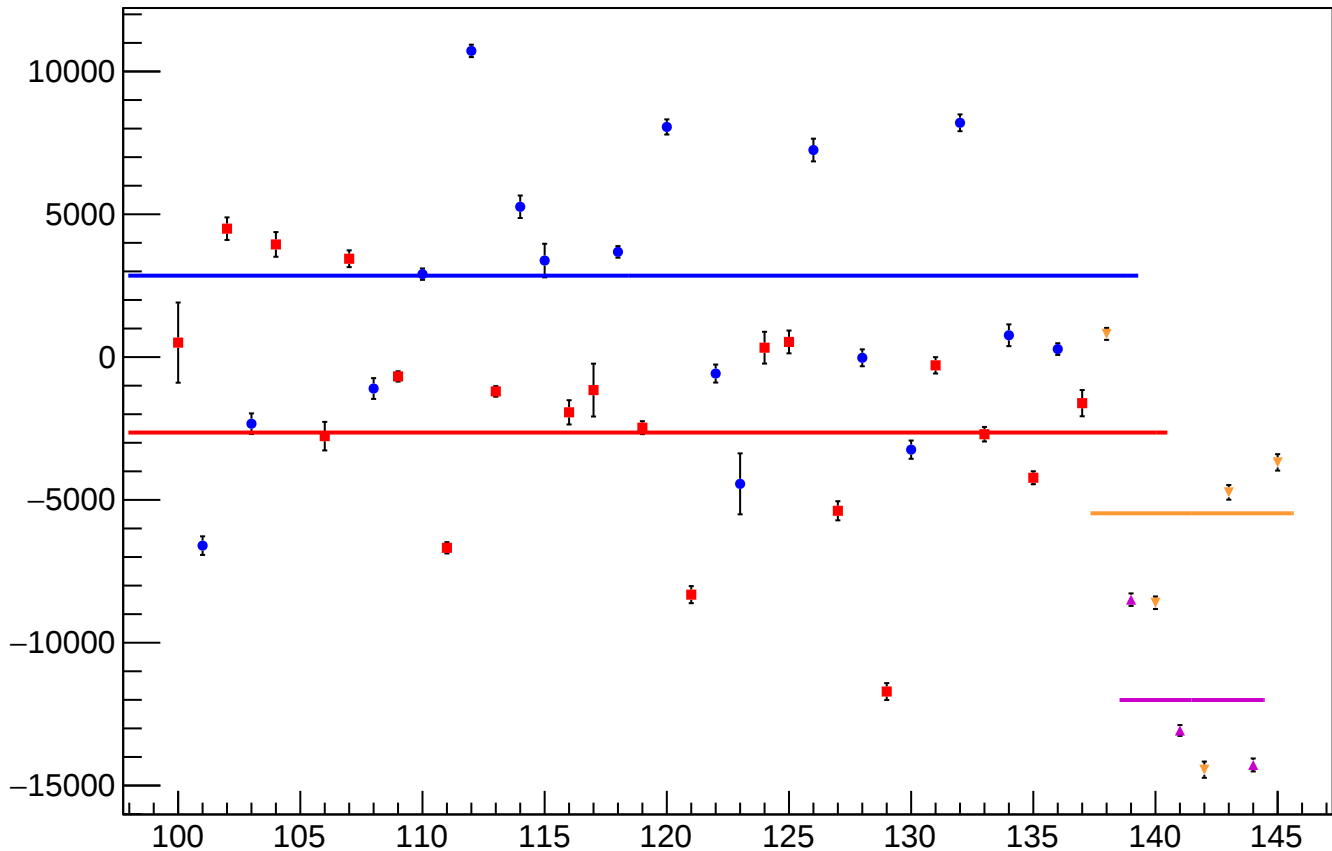
Left In: 182.265 $\pm$ 0.084 χ^2/NDF : 28018.7/2

146.463 $\pm$ 0.034 χ^2/NDF : 1171411.1/21

143.546 $\pm$ 0.024 χ^2/NDF : 2334243.8/44

140.717 $\pm$ 0.034 χ^2/NDF : 1148645.3/22

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

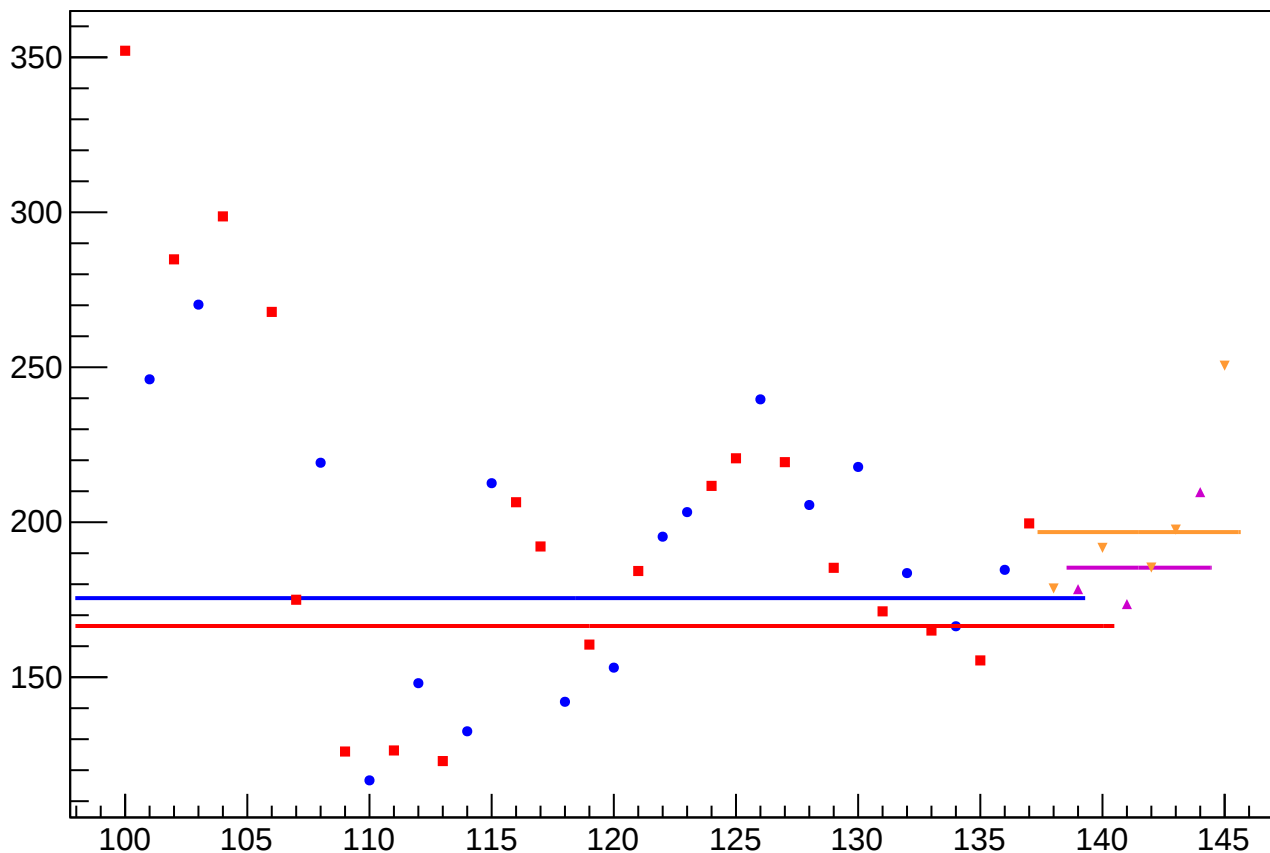
Left In: -12006.300 $\pm$ 121.239 χ^2 /NDF:390.0/2

407.823 $\pm$ 59.463 χ^2 /NDF: 10384.3/21

-2255.431 $\pm$ 41.399 χ^2 /NDF: 22461.7/44

-4760.688 $\pm$ 57.672 χ^2 /NDF: 8184.4/22

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

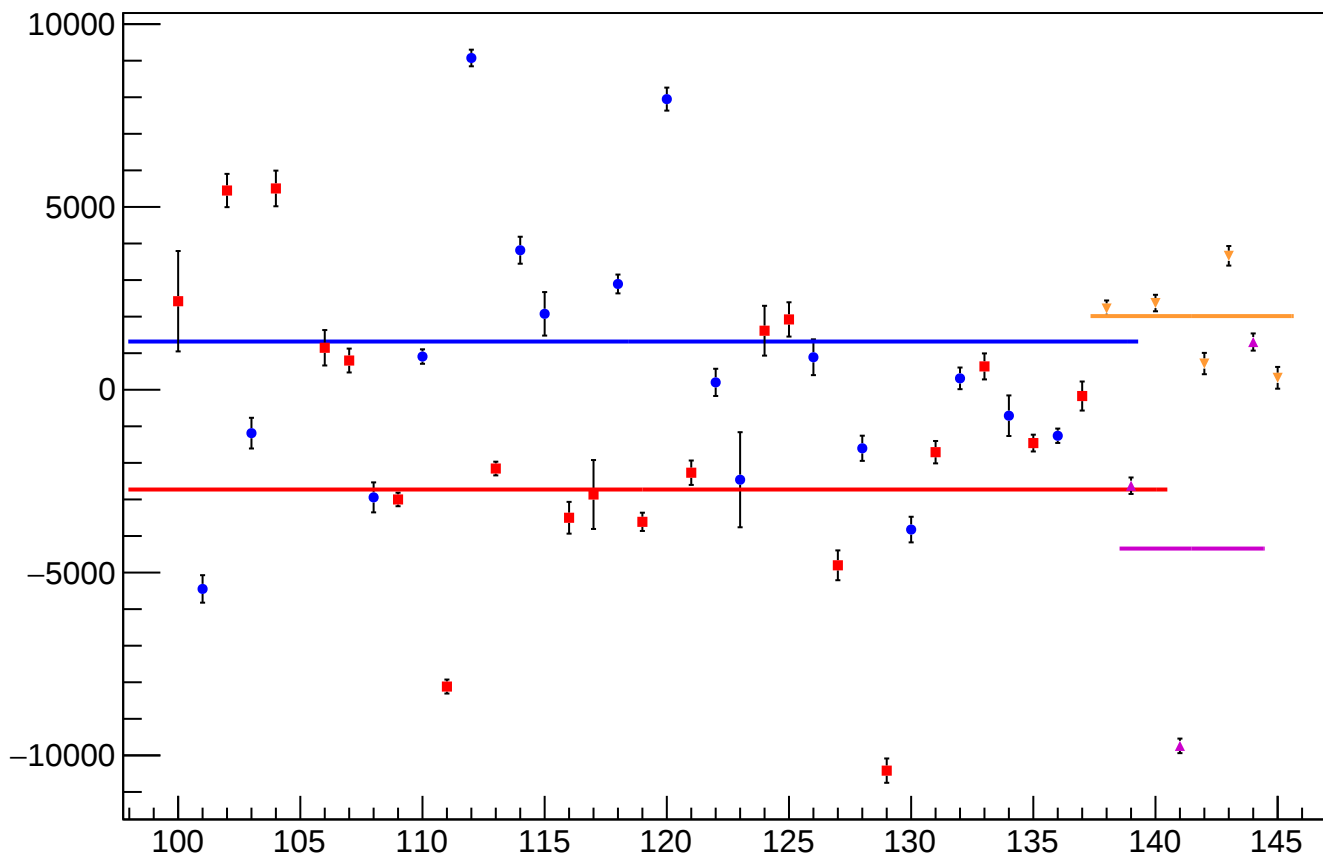
Left In: 185.335 +/- 0.086 χ^2/NDF : 32624.5/2

181.772 +/- 0.042 χ^2/NDF : 832013.6/21

176.108 +/- 0.029 χ^2/NDF : 1868196.1/44

170.779 +/- 0.041 χ^2/NDF : 1000961.8/22

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

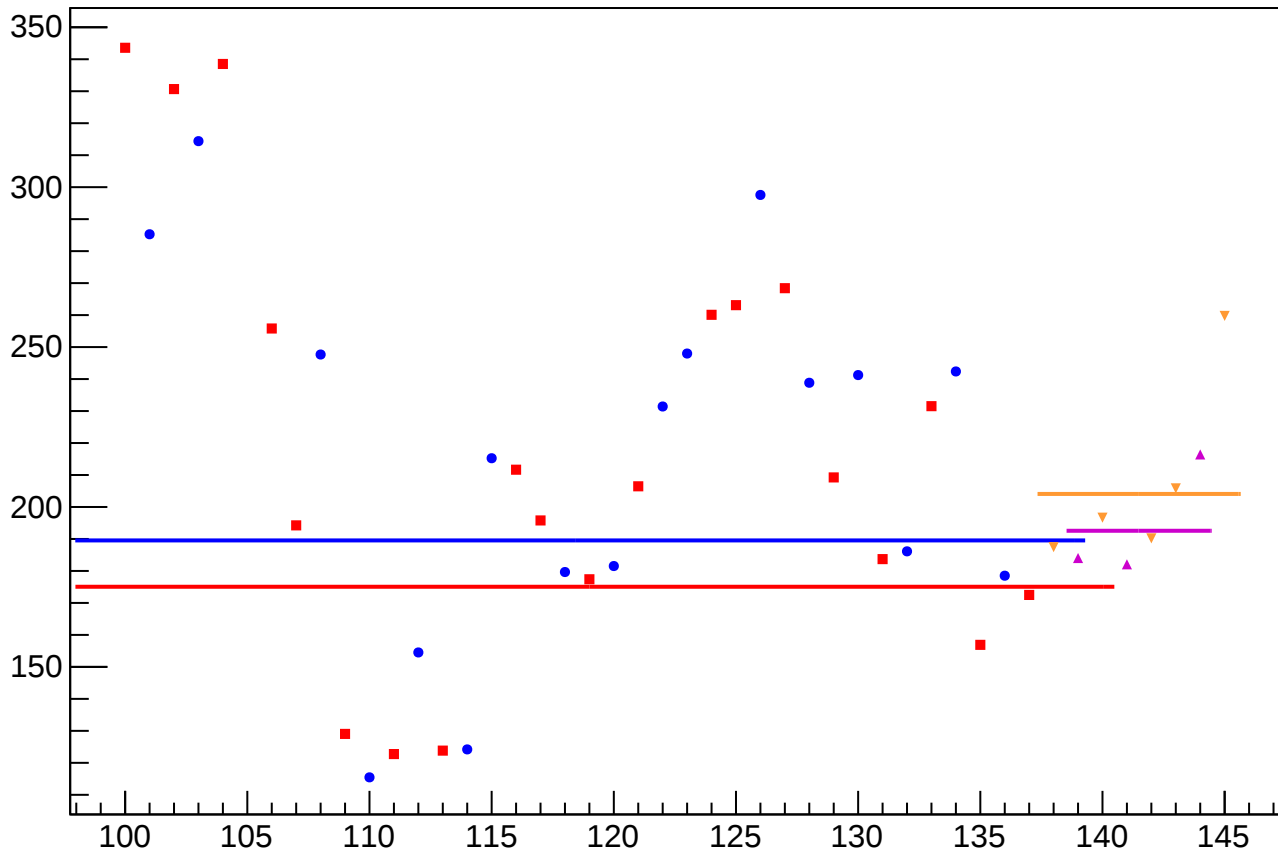
Left In: -4343.484+/-125.923 χ^2/NDF : 1371.6/2

1538.037+/-63.854 χ^2/NDF : 2785.8/21

-888.580+/-44.136 χ^2/NDF : 9544.4/44

-3108.426+/-61.073 χ^2/NDF : 3993.3/22

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

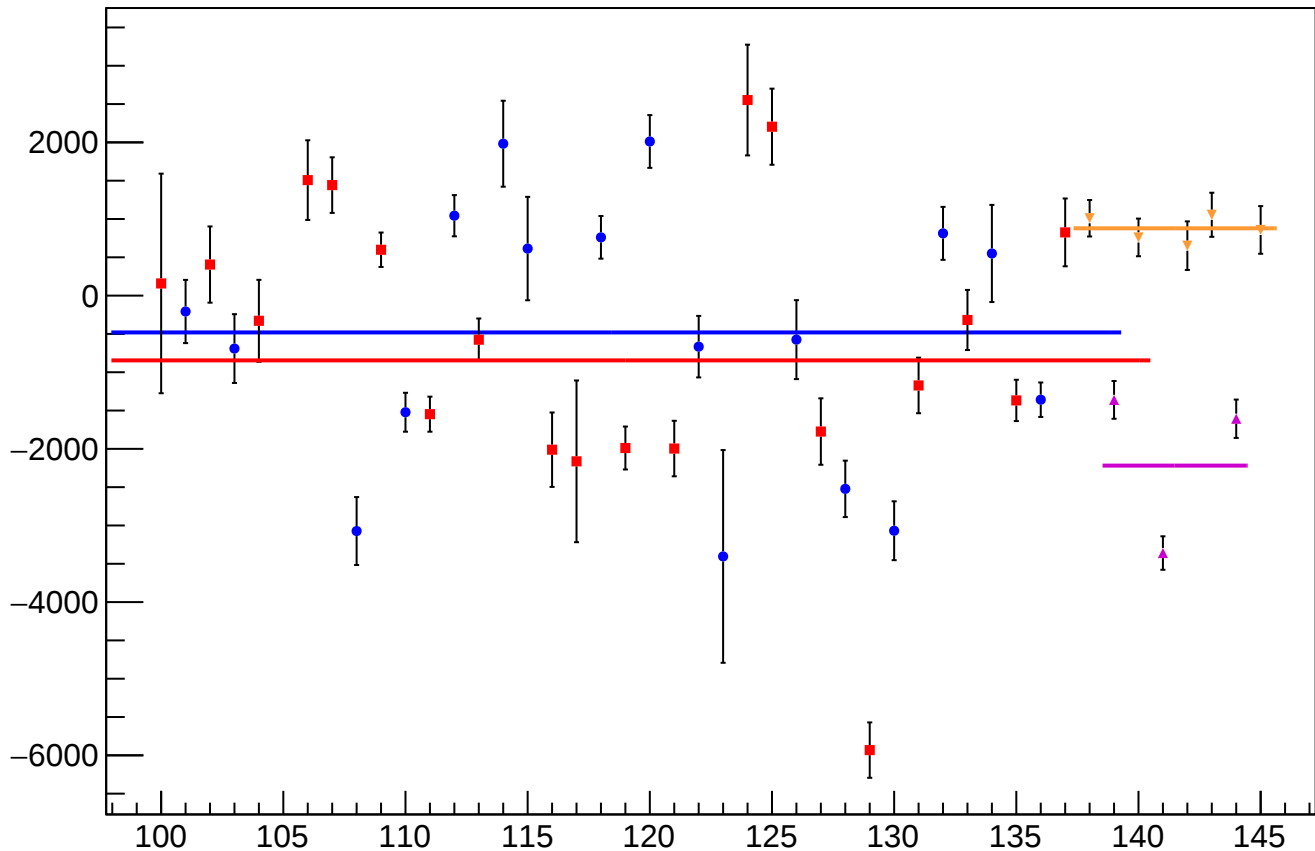
Left In: 192.562 $\pm$ 0.089 χ^2/NDF : 29059.4/2

194.122 $\pm$ 0.045 χ^2/NDF : 1091162.9/21

186.316 $\pm$ 0.031 χ^2/NDF : 2505080.6/44

179.176 $\pm$ 0.043 χ^2/NDF : 1356693.8/22

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

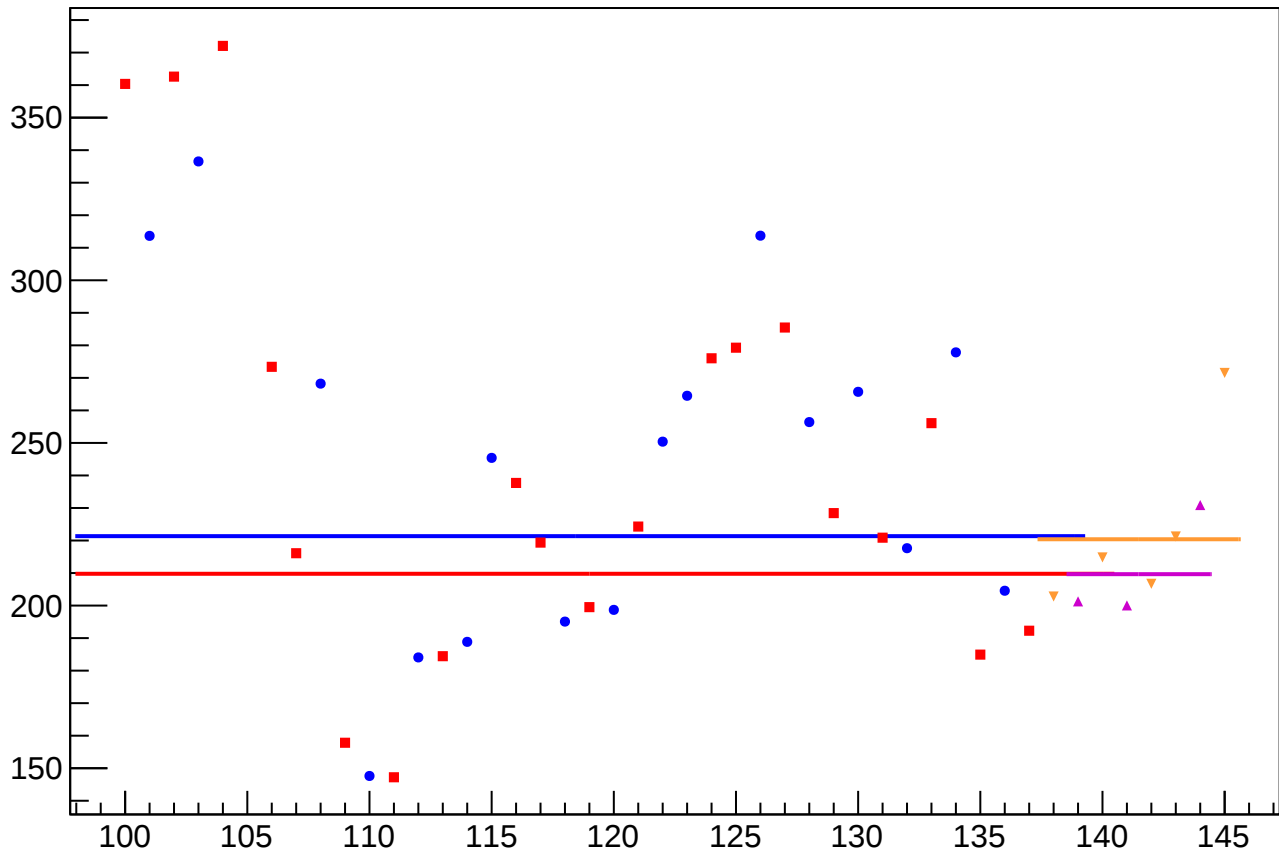
Left In: -2218.625 ± 136.845 χ^2/NDF : 45.4/2

-13.746 ± 71.821 χ^2/NDF : 372.9/21

-623.458 ± 50.252 χ^2/NDF : 1070.4/44

-1208.199 ± 70.335 χ^2/NDF : 556.3/22

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

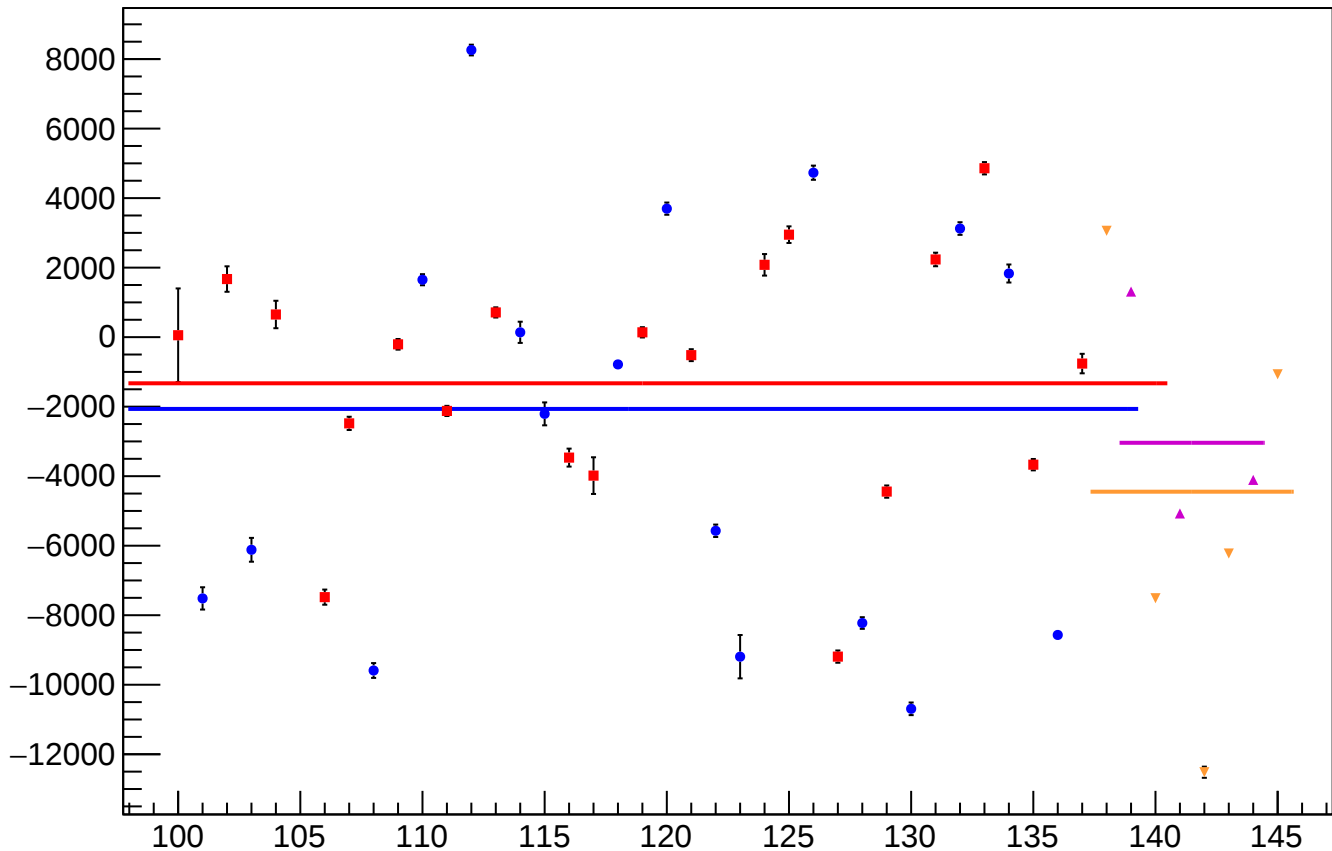
Left In: 209.656 $\pm$ 0.097 χ^2/NDF : 20582.7/2

221.014 $\pm$ 0.051 χ^2/NDF : 715569.2/21

215.261 $\pm$ 0.036 χ^2/NDF : 1645376.2/44

209.743 $\pm$ 0.050 χ^2/NDF : 904667.5/22

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

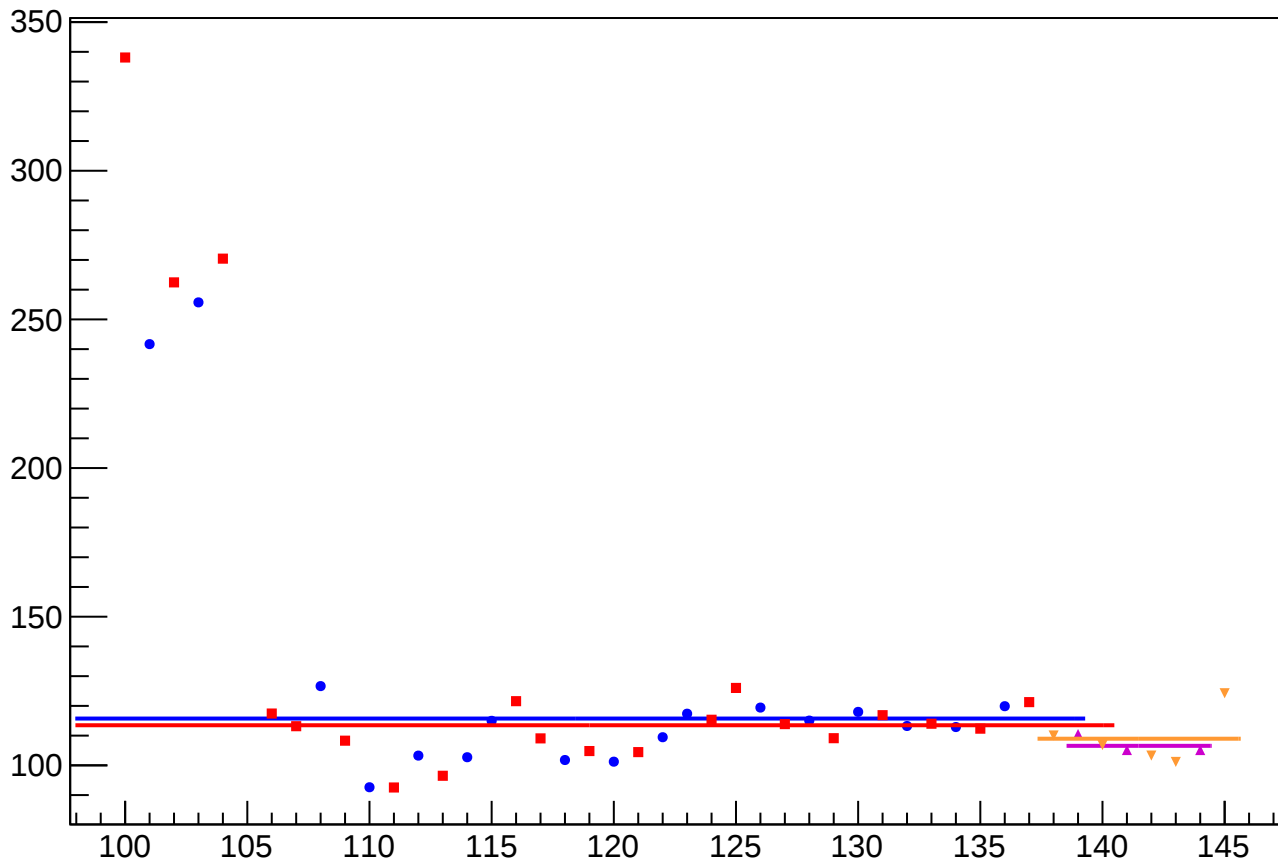
Left In: -3039.308+/-70.162 χ^2/NDF : 1402.6/2

-2958.494+/-37.406 χ^2/NDF : 24708.3/21

-2396.972+/-26.582 χ^2/NDF : 32908.5/44

-1824.111+/-37.782 χ^2/NDF : 7744.9/22

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 +/- 0.033 χ^2/NDF : 744017.7/16

Left Out: 108.958 +/- 0.043 χ^2/NDF : 32745.3/4

Right Out: 113.487 +/- 0.032 χ^2/NDF : 796781.7/19

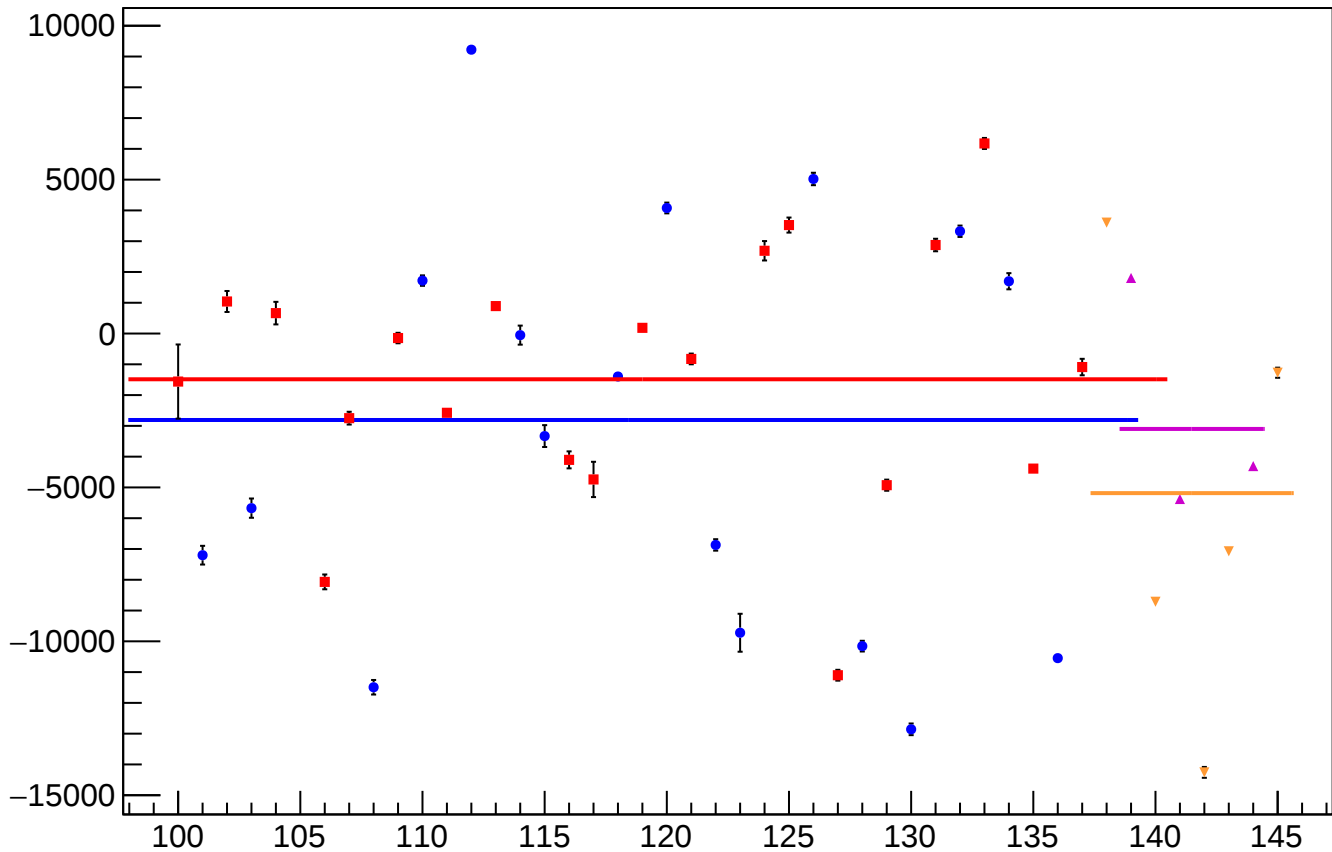
Left In: 106.564 +/- 0.050 χ^2/NDF : 2278.6/2

113.196 +/- 0.026 χ^2/NDF : 792176.0/21

112.346 +/- 0.019 χ^2/NDF : 1607147.2/44

111.479 +/- 0.027 χ^2/NDF : 812886.3/22

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

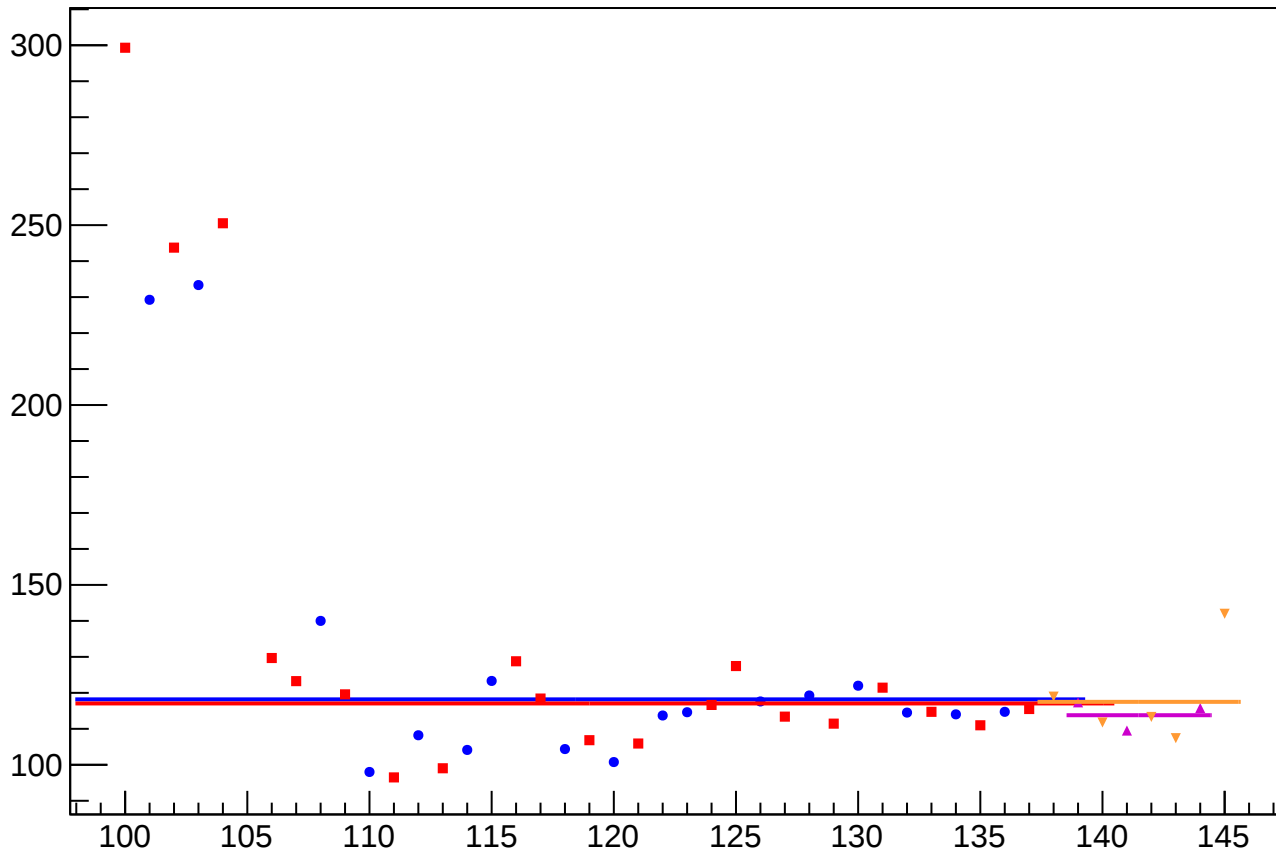
Left In: -3099.730+/-75.049 χ^2/NDF : 1576.8/2

-3636.066+/-38.987 χ^2/NDF : 30163.0/21

-2791.541+/-27.702 χ^2/NDF : 41059.7/44

-1930.348+/-39.370 χ^2/NDF : 9948.9/22

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.188 $\pm$ 0.034 χ^2 /NDF: 636252.0/16

Left Out: 117.498 $\pm$ 0.047 χ^2 /NDF: 59778.0/4

Right Out: 117.054 $\pm$ 0.033 χ^2 /NDF: 690646.8/19

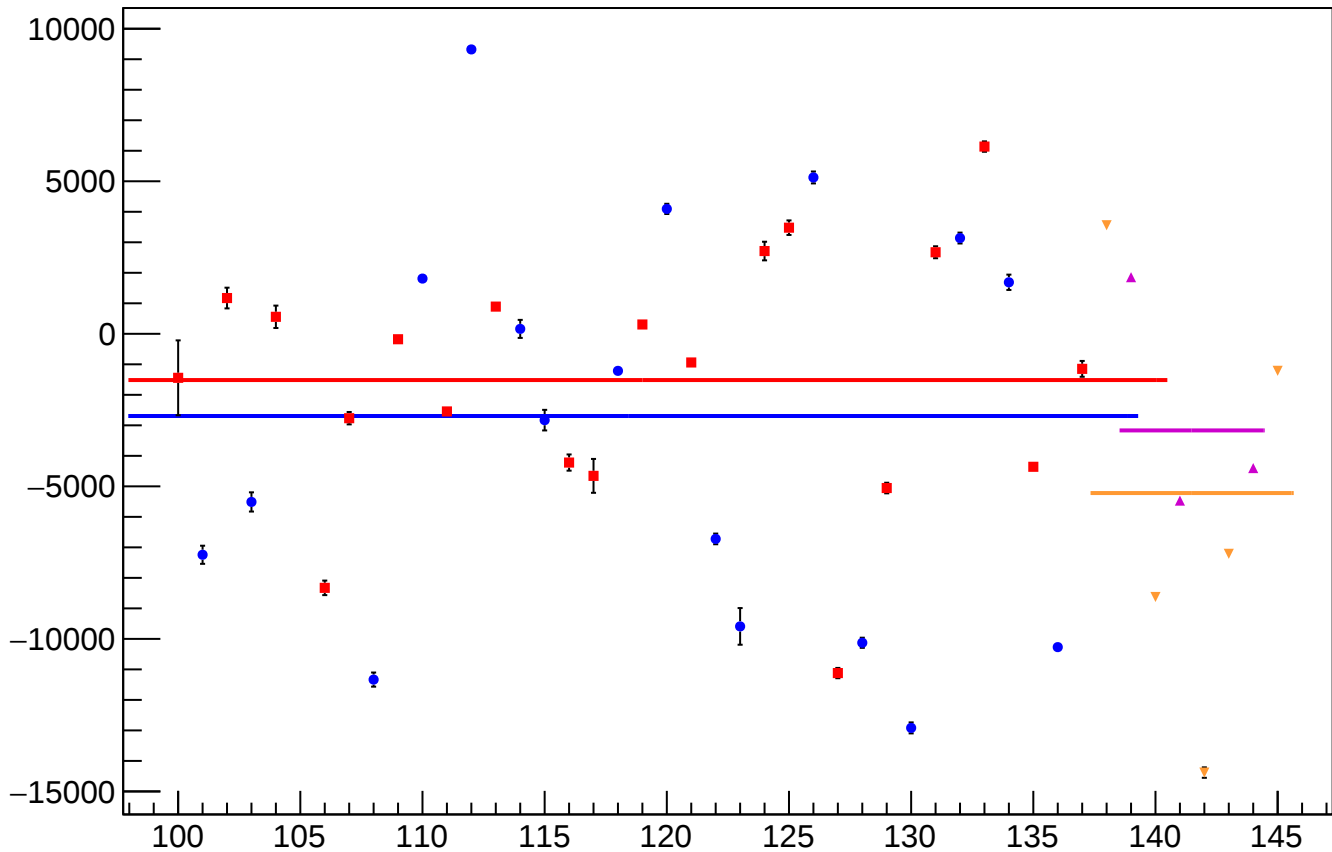
Left In: 113.784 $\pm$ 0.053 χ^2 /NDF: 4185.5/2

117.948 $\pm$ 0.028 χ^2 /NDF: 696172.0/21

117.060 $\pm$ 0.020 χ^2 /NDF: 1395853.9/44

116.154 $\pm$ 0.028 χ^2 /NDF: 697585.7/22

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

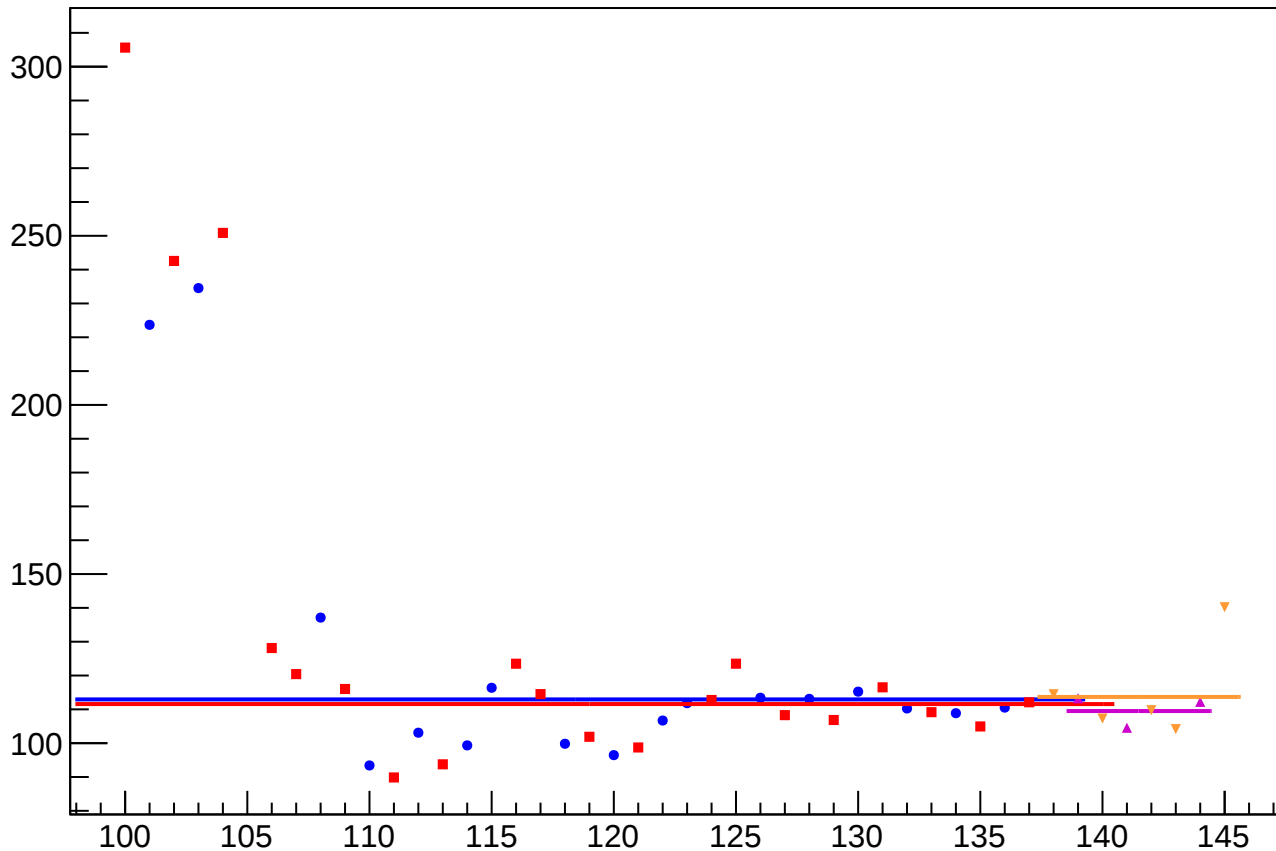
Left In: -3166.669+/-72.386 χ^2 /NDF:1766.6/2

-3561.252+/-37.558 χ^2 /NDF: 32531.1/21

-2768.347+/-26.638 χ^2 /NDF: 44322.2/44

-1965.726+/-37.787 χ^2 /NDF: 10894.3/22

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 112.940 +/- 0.033 χ^2/NDF : 680283.1/16

Left Out: 113.672 +/- 0.045 χ^2/NDF : 69072.4/4

Right Out: 111.562 +/- 0.031 χ^2/NDF : 765559.1/19

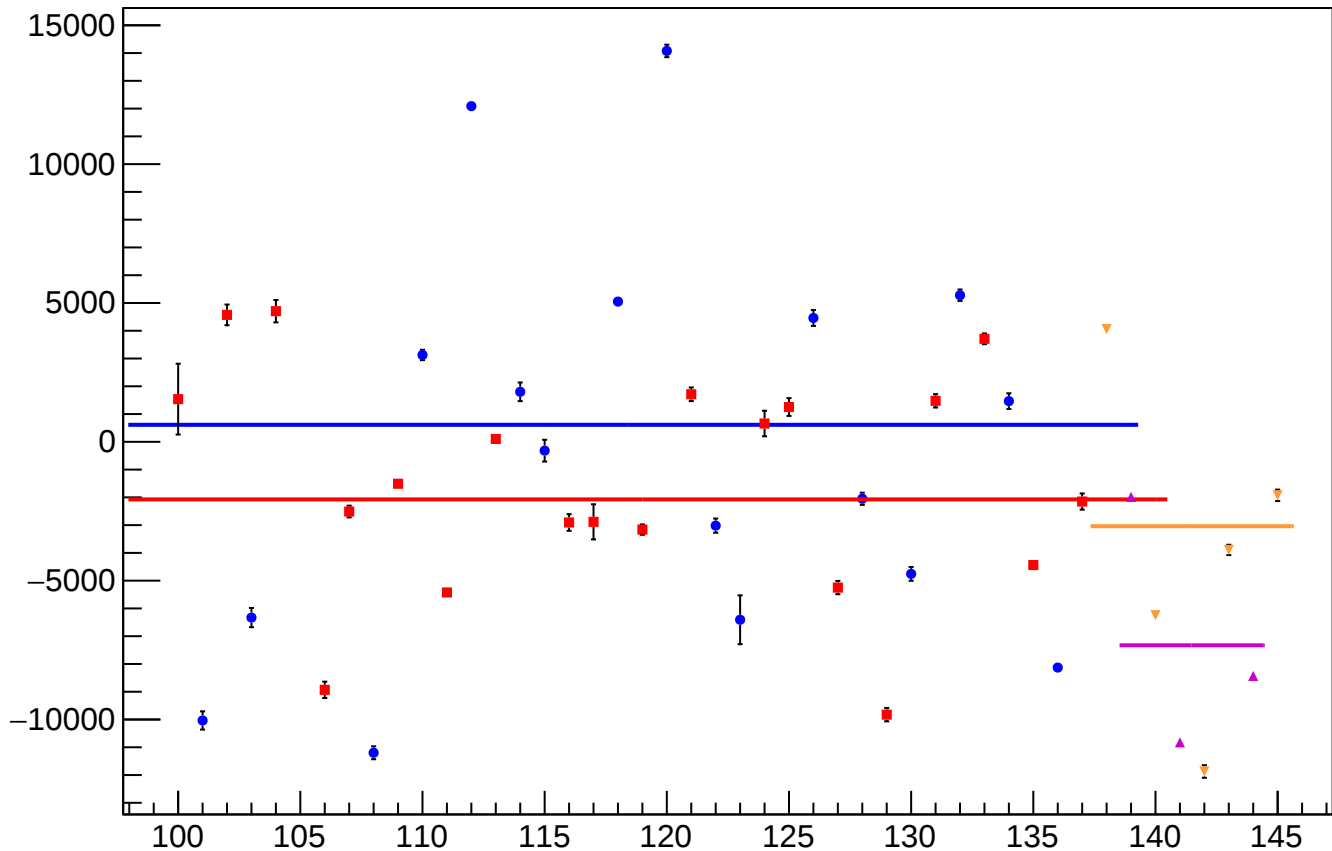
Left In: 109.501 +/- 0.051 χ^2/NDF : 6047.6/2

113.191 +/- 0.027 χ^2/NDF : 749526.3/21

112.103 +/- 0.019 χ^2/NDF : 1525694.3/44

111.001 +/- 0.027 χ^2/NDF : 772786.4/22

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -3038.023 ± 82.720 $\chi^2/\text{NDF}: 3912.4/4$

Right Out: -2073.278 ± 53.736 $\chi^2/\text{NDF}: 4644.3/19$

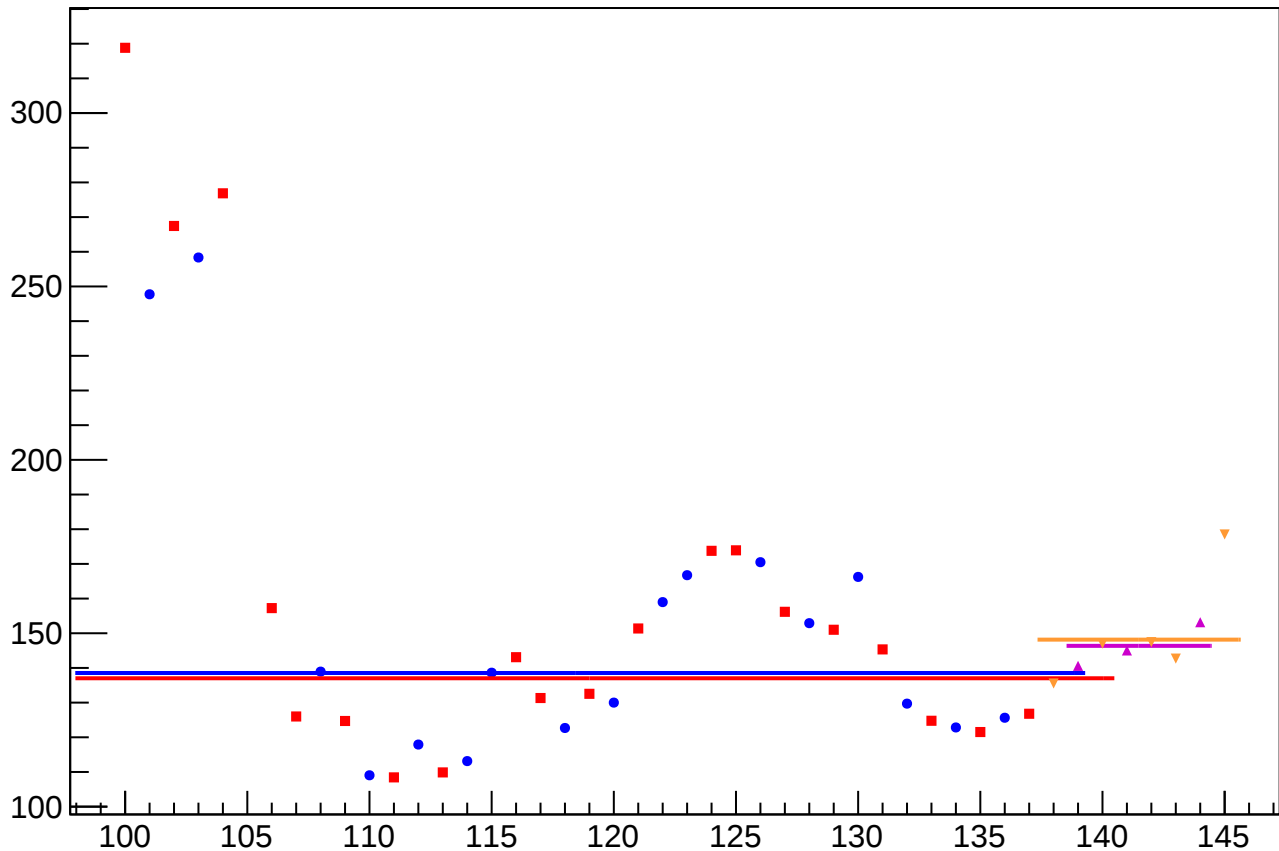
Left In: -7327.792 ± 95.870 $\chi^2/\text{NDF}: 1478.1/2$

-536.403 ± 46.408 $\chi^2/\text{NDF}: 23490.4/21$

-1918.949 ± 32.979 $\chi^2/\text{NDF}: 33691.7/44$

-3329.449 ± 46.875 $\chi^2/\text{NDF}: 8408.3/22$

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

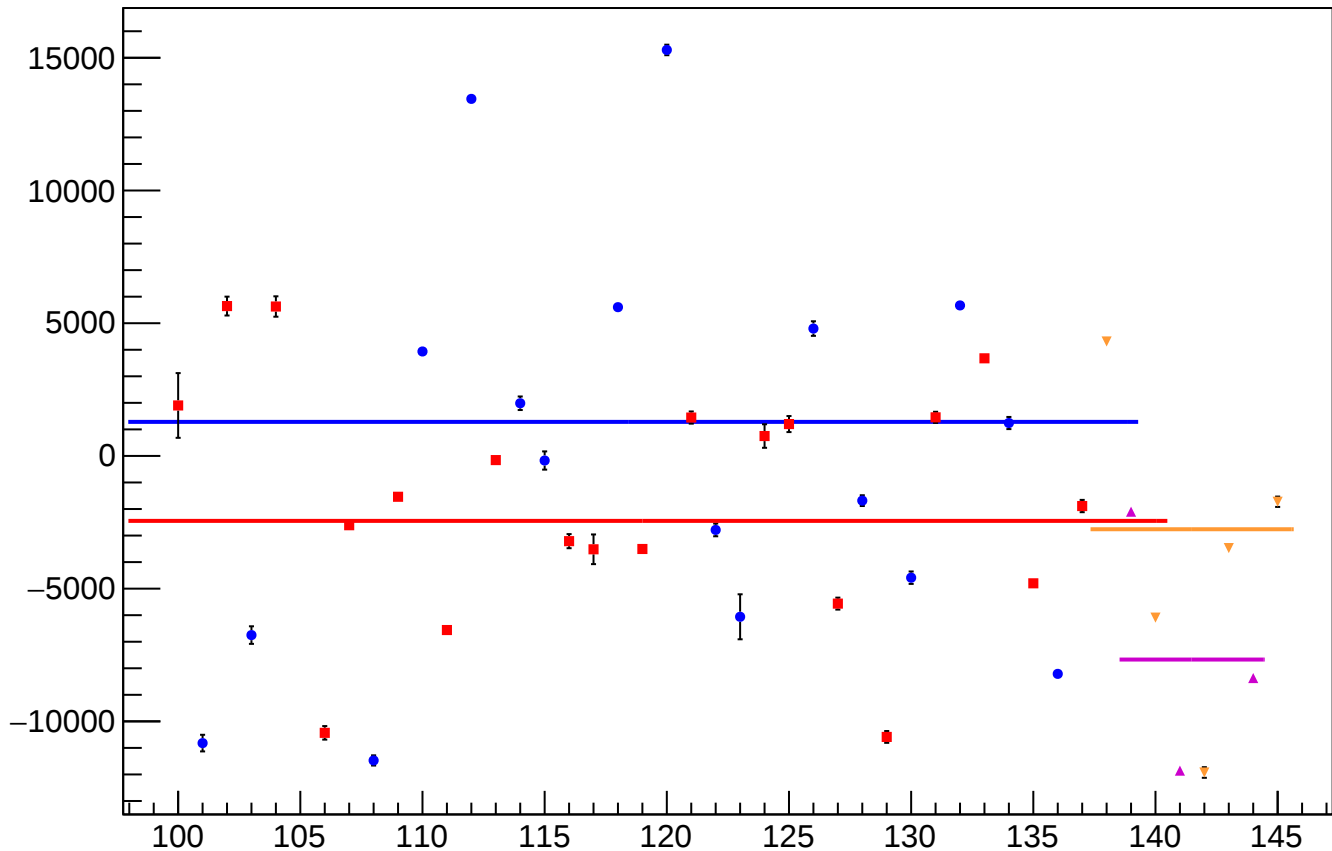
Left In: 146.370 $\pm$ 0.068 χ^2 /NDF: 5687.5/2

141.569 $\pm$ 0.033 χ^2 /NDF: 745281.2/21

140.424 $\pm$ 0.023 χ^2 /NDF: 1523564.8/44

139.255 $\pm$ 0.033 χ^2 /NDF: 775821.1/22

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

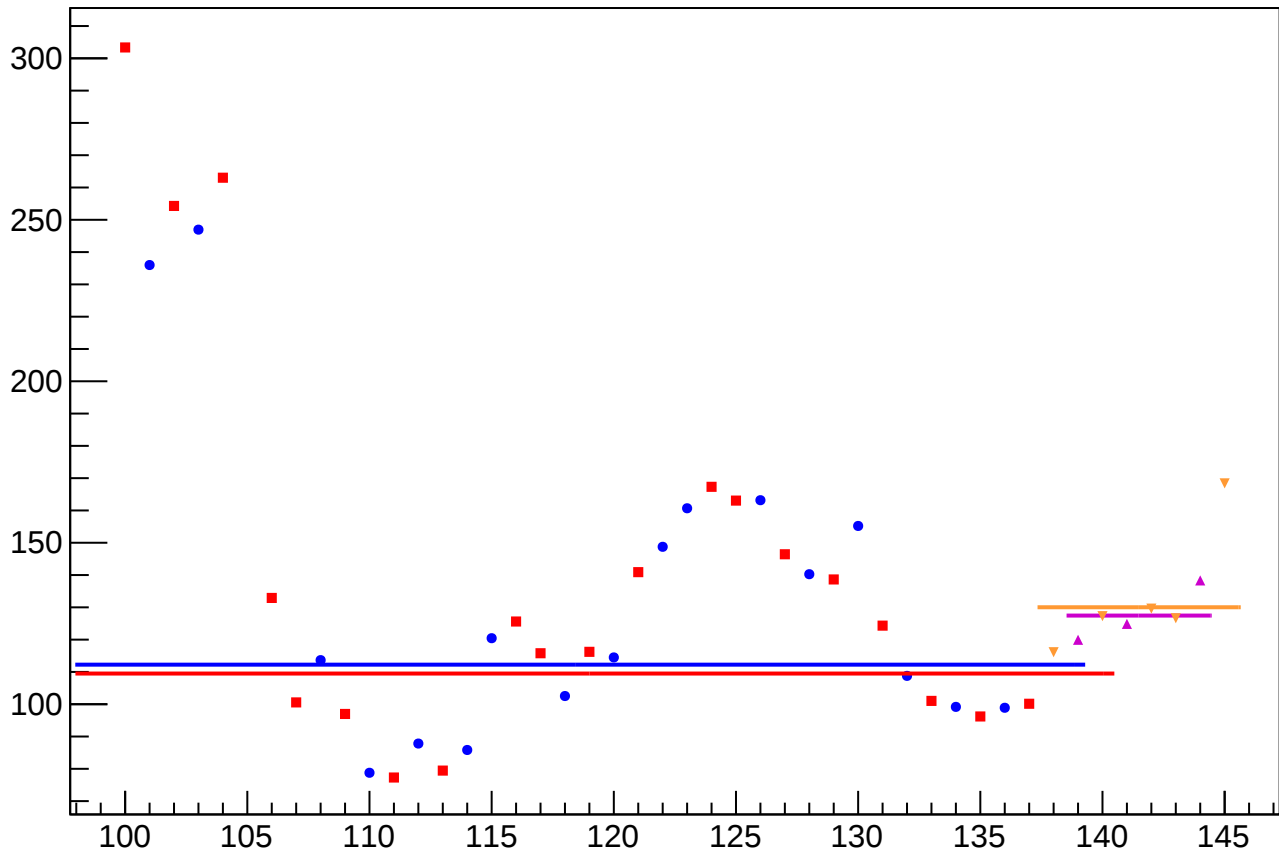
Left In: -7671.277+/-83.788 χ^2/NDF : 2362.3/2

113.632+/-39.268 χ^2/NDF : 38058.8/21

-1744.186+/-27.692 χ^2/NDF : 55598.1/44

-3582.180+/-39.058 χ^2/NDF : 13086.4/22

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 130.024+/-0.052 χ^2/NDF : 99826.7/4

Right Out: 109.500+/-0.031 χ^2/NDF : 1269887.8/19

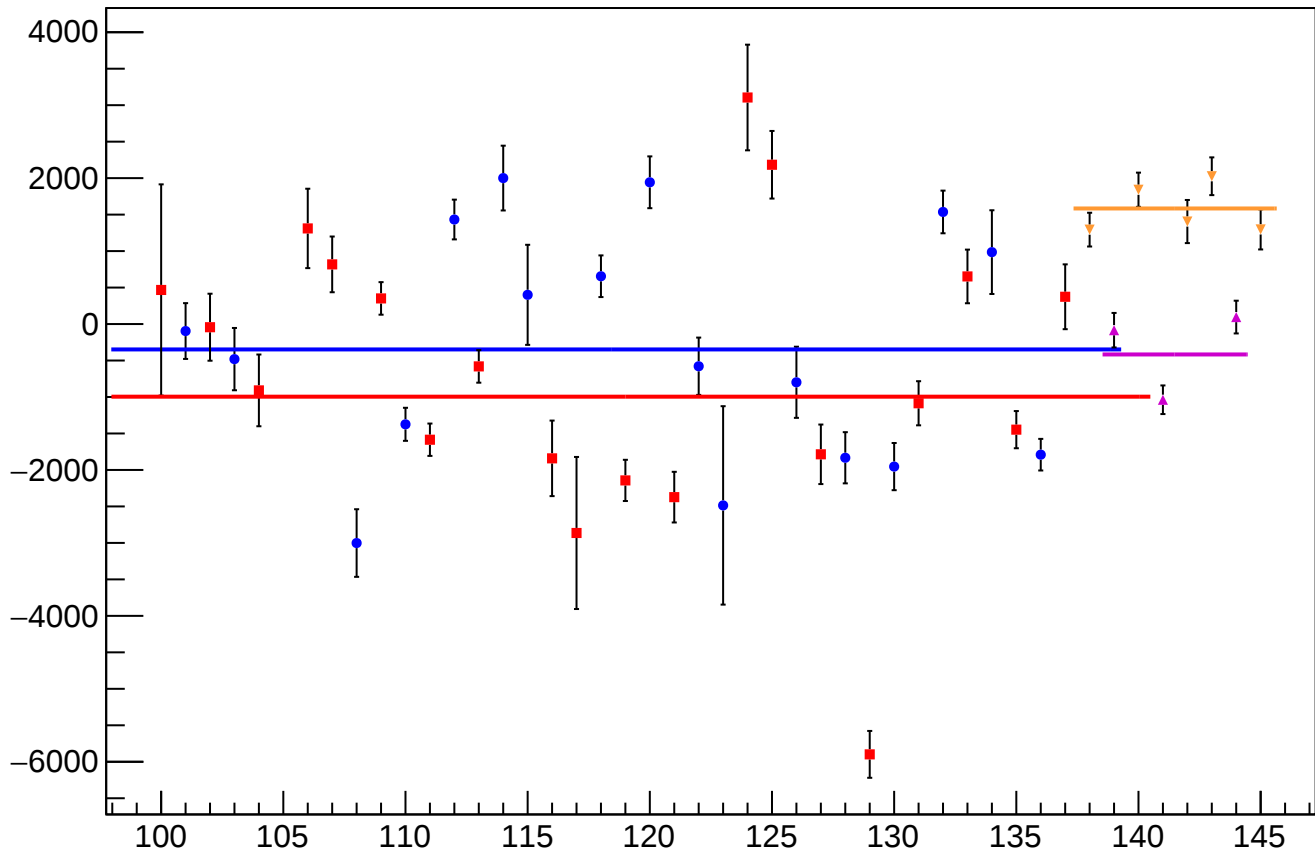
Left In: 127.451+/-0.059 χ^2/NDF : 16199.0/2

117.389+/-0.028 χ^2/NDF : 1309571.2/21

115.384+/-0.020 χ^2/NDF : 2677883.0/44

113.400+/-0.028 χ^2/NDF : 1357940.2/22

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -348.055 $\pm$ 83.826 χ^2/NDF : 317.3/16

Left Out: 1584.158 $\pm$ 114.338 χ^2/NDF : 7.1/4

Right Out: -995.622 $\pm$ 77.468 χ^2/NDF : 479.8/19

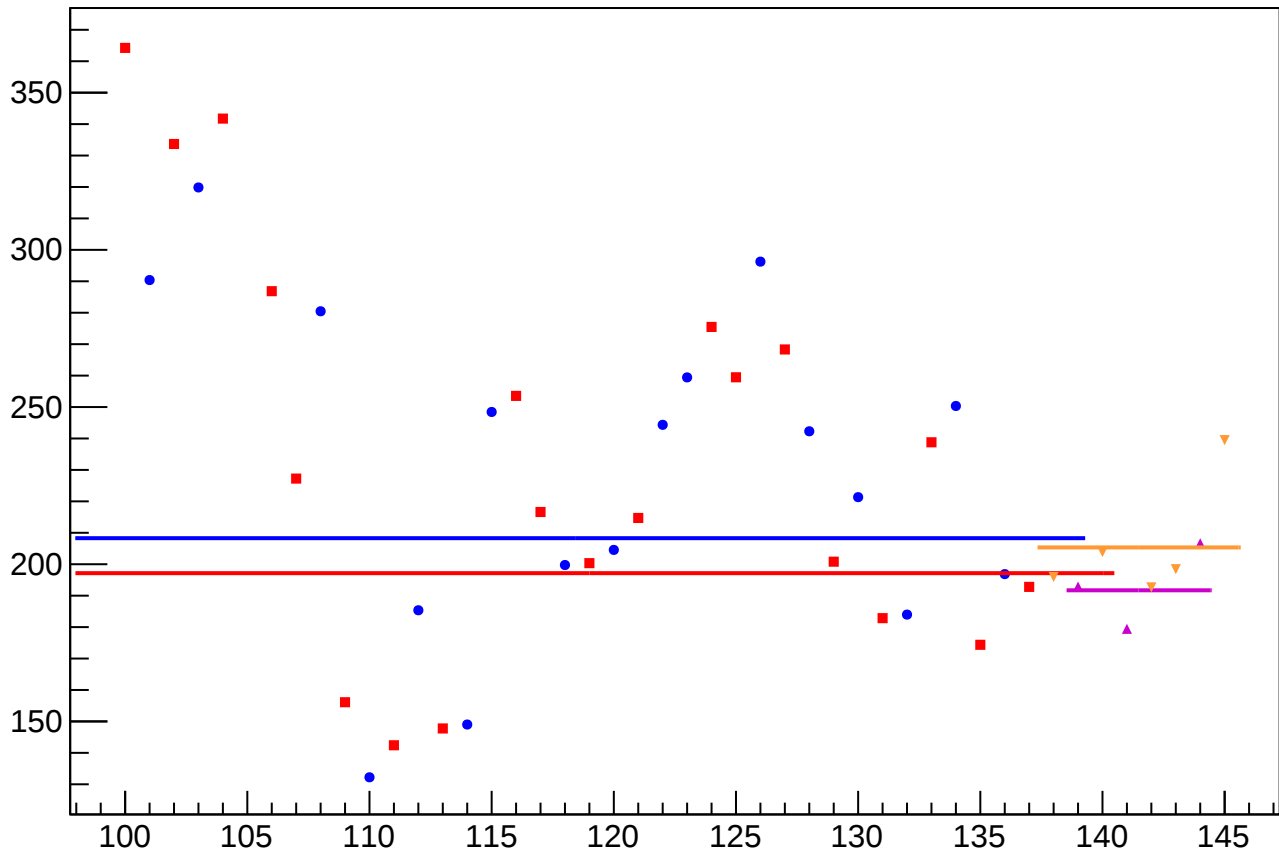
Left In: -416.838 $\pm$ 125.264 χ^2/NDF : 17.2/2

327.438 $\pm$ 67.604 χ^2/NDF : 510.2/21

-268.991 $\pm$ 47.184 χ^2/NDF : 1174.4/44

-835.498 $\pm$ 65.886 χ^2/NDF : 512.4/22

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.288 ± 0.059 $\chi^2/\text{NDF}: 698491.0/16$

Left Out: 205.345 ± 0.081 $\chi^2/\text{NDF}: 39359.5/4$

Right Out: 197.159 ± 0.055 $\chi^2/\text{NDF}: 927487.8/19$

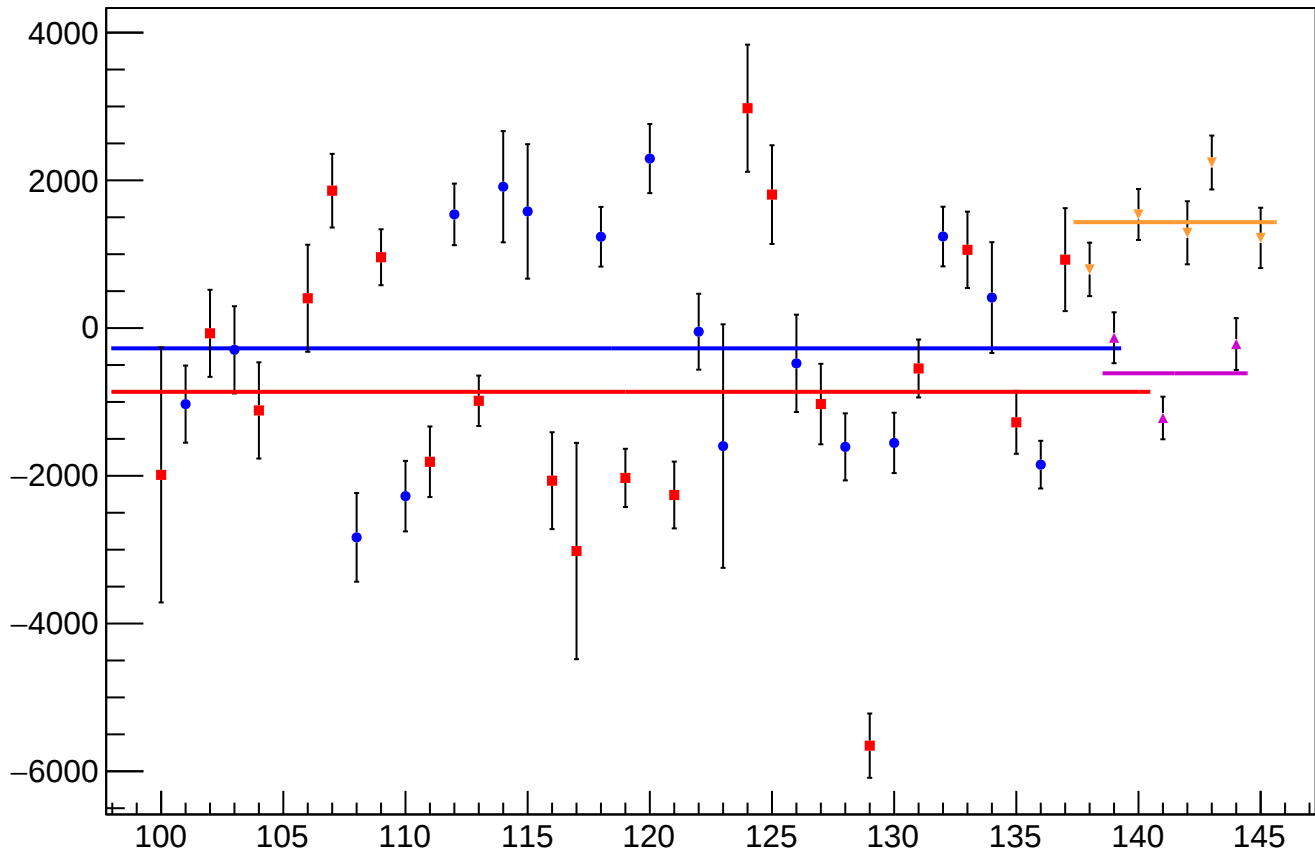
Left In: 191.705 ± 0.089 $\chi^2/\text{NDF}: 16732.9/2$

207.259 ± 0.048 $\chi^2/\text{NDF}: 738712.1/21$

201.305 ± 0.033 $\chi^2/\text{NDF}: 1715919.4/44$

195.650 ± 0.047 $\chi^2/\text{NDF}: 946963.3/22$

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

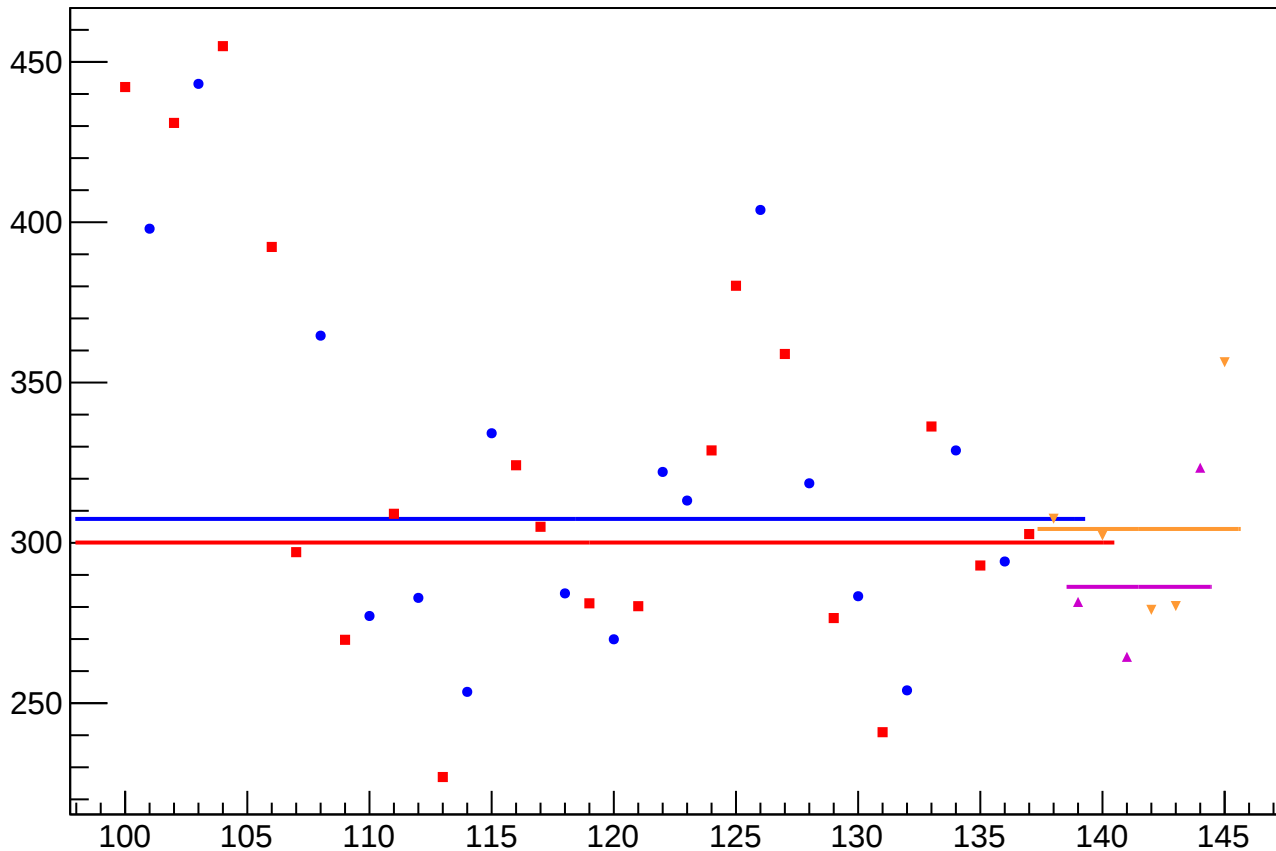
Left In: -612.138+/-187.057 χ^2/NDF : 7.6/2

306.798+/-98.548 χ^2/NDF : 247.5/21

-246.905+/-69.476 χ^2/NDF : 584.6/44

-794.045+/-97.962 χ^2/NDF : 274.4/22

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 307.468 $\pm$ 0.086 χ^2/NDF : 323096.7/16

Left Out: 304.334 $\pm$ 0.119 χ^2/NDF : 48324.1/4

Right Out: 300.100 $\pm$ 0.081 χ^2/NDF : 490421.6/19

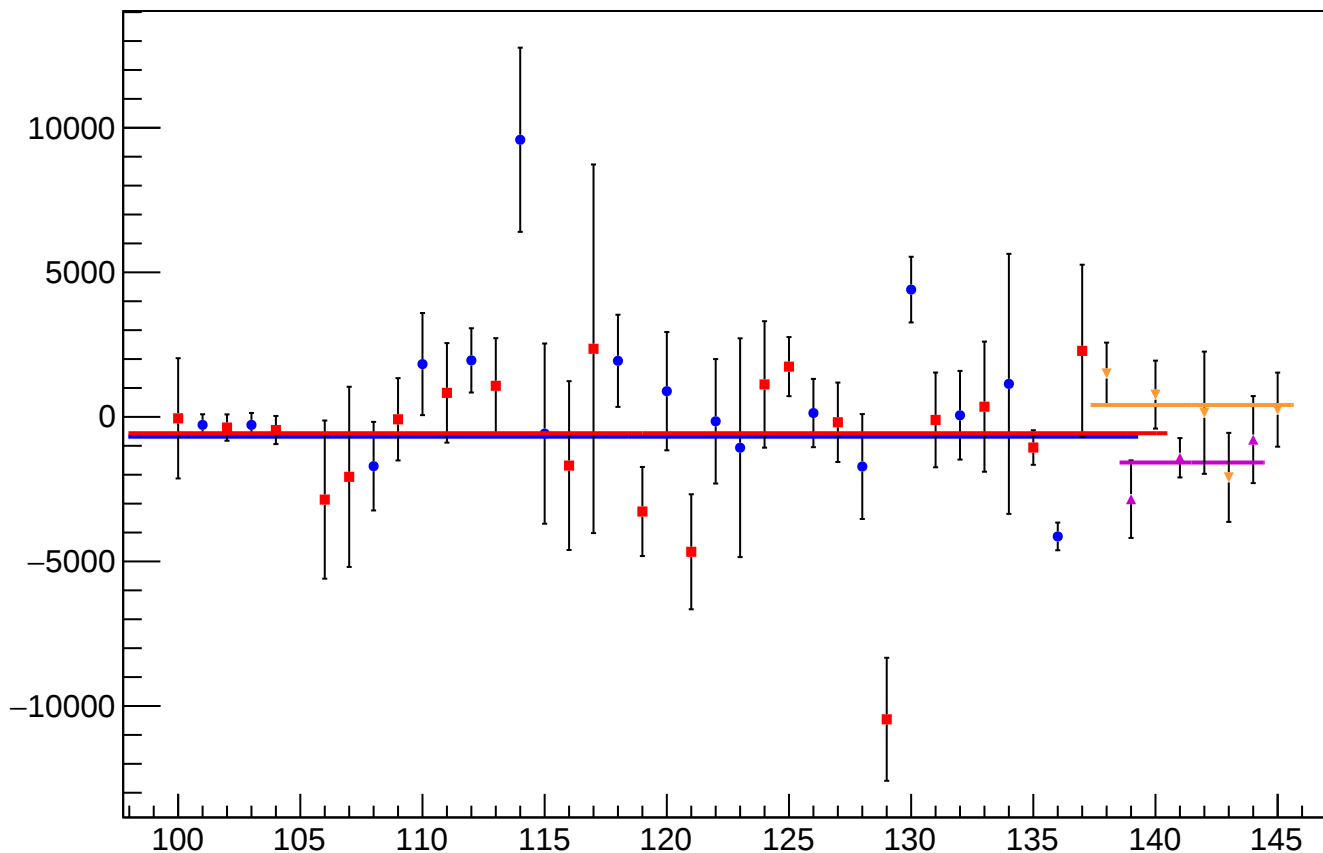
Left In: 286.283 $\pm$ 0.132 χ^2/NDF : 34280.3/2

306.402 $\pm$ 0.070 χ^2/NDF : 371874.7/21

301.326 $\pm$ 0.049 χ^2/NDF : 915044.0/44

296.310 $\pm$ 0.069 χ^2/NDF : 532621.1/22

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

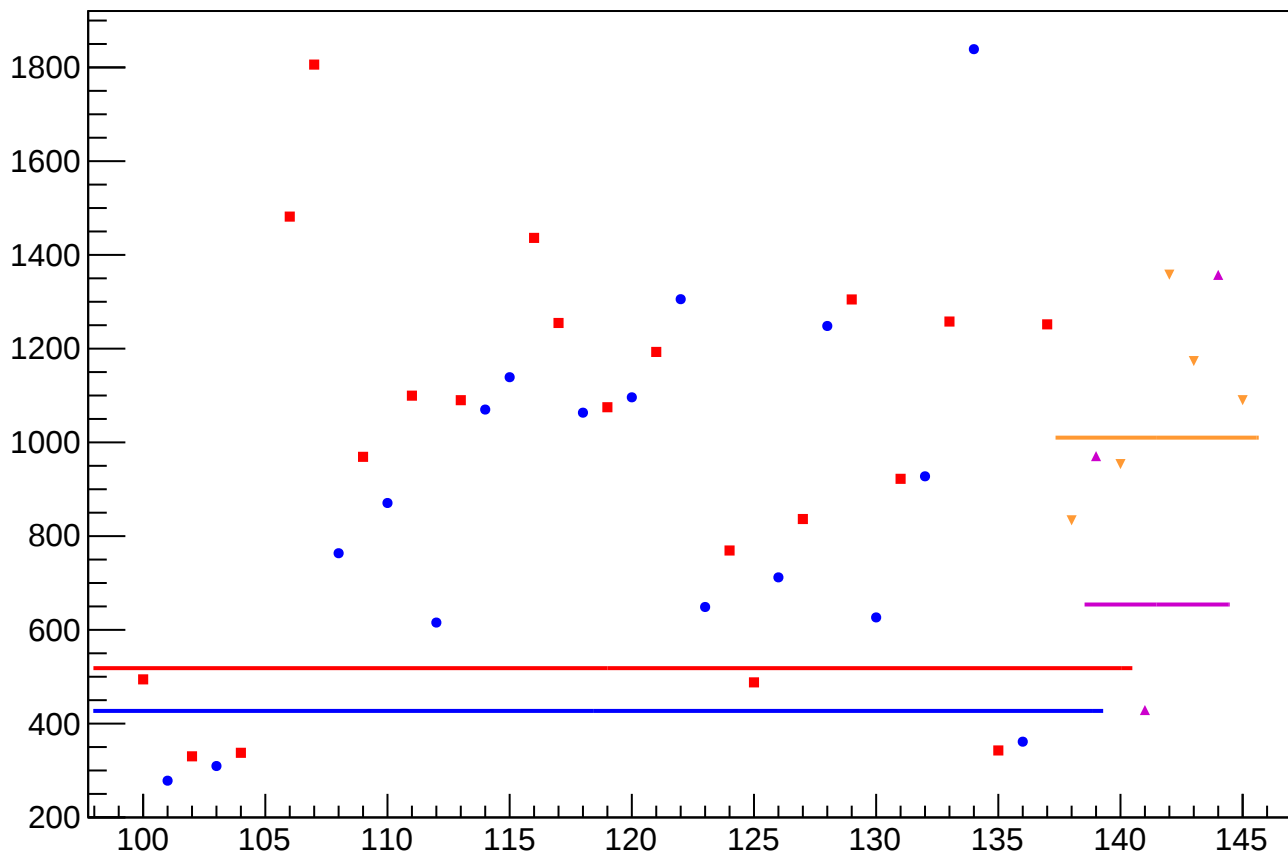
Left In: -1578.154+/-562.945 χ^2/NDF : 1.2/2

-562.064+/-198.198 χ^2/NDF : 104.2/21

-633.343+/-148.190 χ^2/NDF : 148.4/44

-723.706+/-223.160 χ^2/NDF : 43.9/22

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 1010.124+/-0.419 χ^2/NDF :143508.9/4

Right Out: 518.306+/-0.172 χ^2/NDF : 3631833.9/19

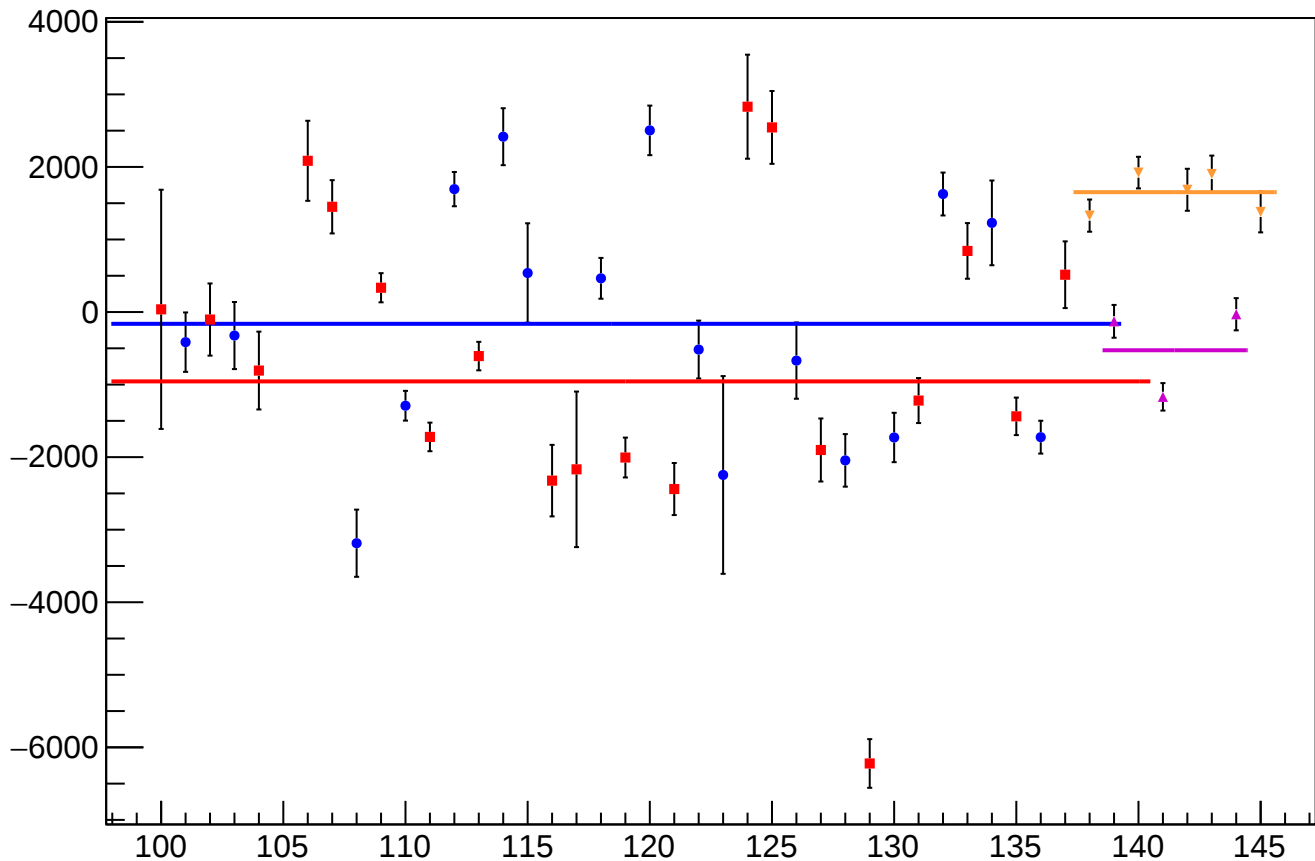
Left In: 654.098+/-0.398 χ^2/NDF :766661.7/2

492.452+/-0.140 χ^2/NDF : 4732167.9/21

513.263+/-0.105 χ^2/NDF : 9278749.8/44

539.645+/-0.158 χ^2/NDF : 4496578.6/22

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -162.333 $\pm$ 82.350 χ^2/NDF : 387.6/16

Left Out: 1652.243 $\pm$ 110.754 χ^2/NDF : 5.6/4

Right Out: -956.044 $\pm$ 74.949 χ^2/NDF : 541.1/19

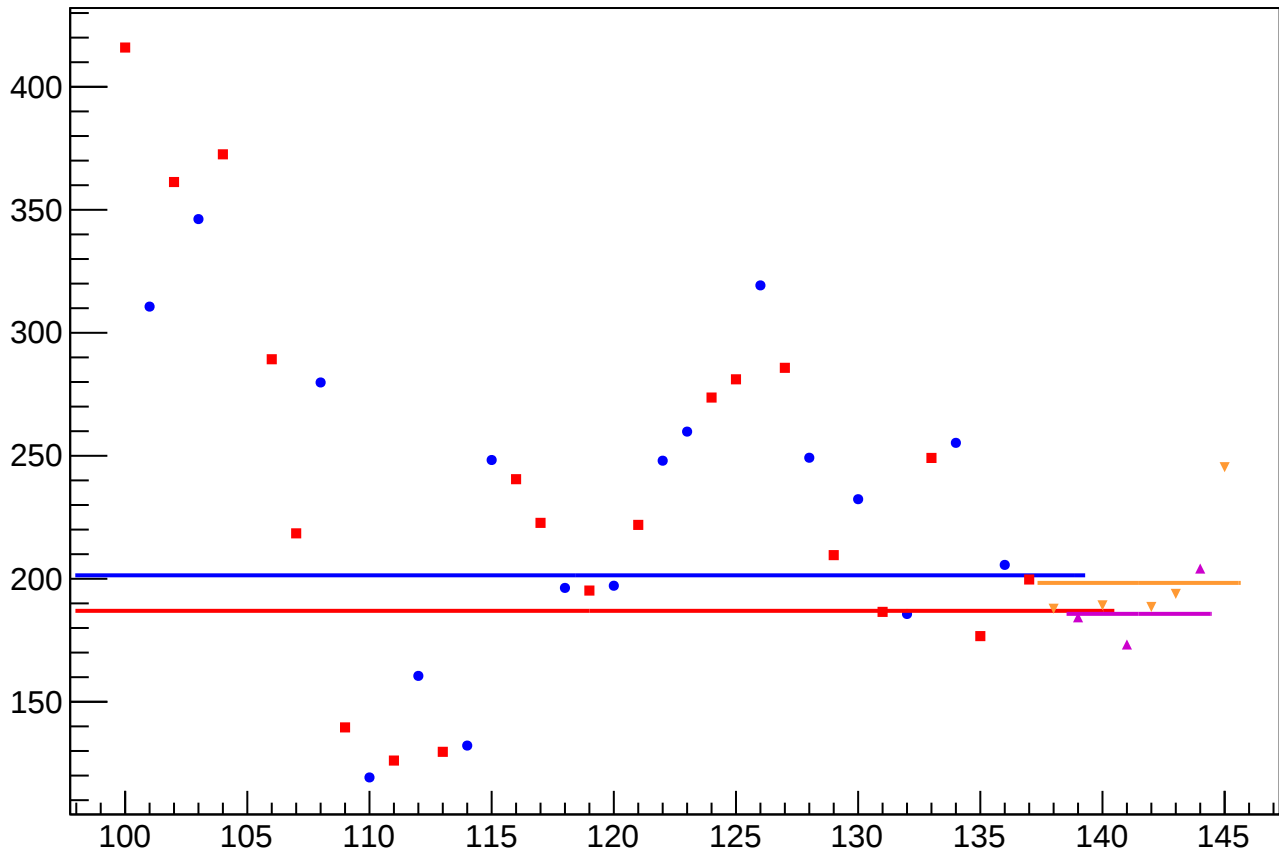
Left In: -526.769 $\pm$ 121.523 χ^2/NDF : 19.6/2

483.698 $\pm$ 66.084 χ^2/NDF : 566.0/21

-200.341 $\pm$ 45.897 χ^2/NDF : 1342.7/44

-837.753 $\pm$ 63.792 χ^2/NDF : 569.7/22

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

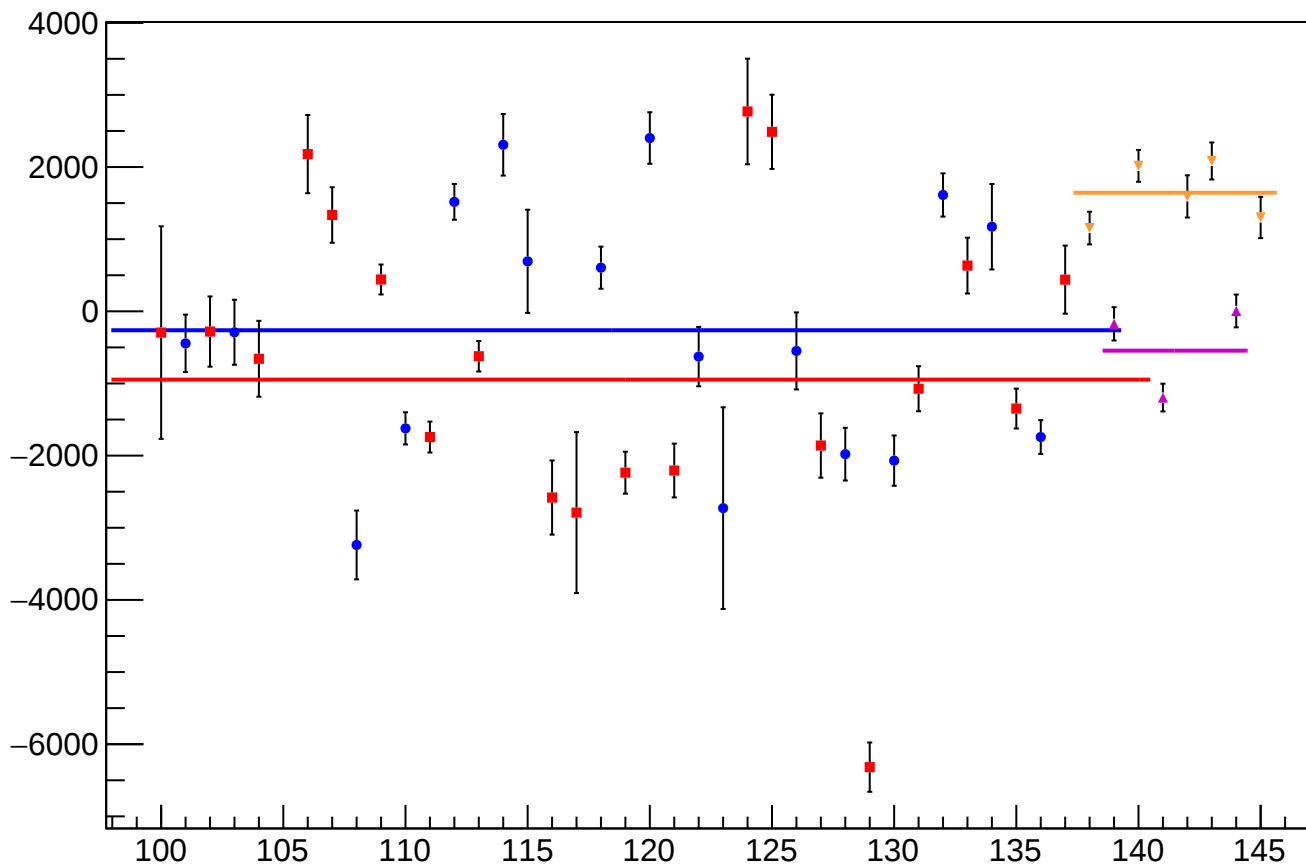
Left In: 185.748 $\pm$ 0.086 χ^2/NDF : 22504.9/2

200.312 $\pm$ 0.047 χ^2/NDF : 1123614.8/21

193.233 $\pm$ 0.032 χ^2/NDF : 2586009.6/44

186.635 $\pm$ 0.045 χ^2/NDF : 1418050.0/22

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -262.324 $\pm$ 85.433 χ^2/NDF : 368.7/16

Left Out: 1643.863 $\pm$ 112.491 χ^2/NDF :11.9/4

Right Out: -946.785 $\pm$ 78.241 χ^2/NDF : 524.6/19

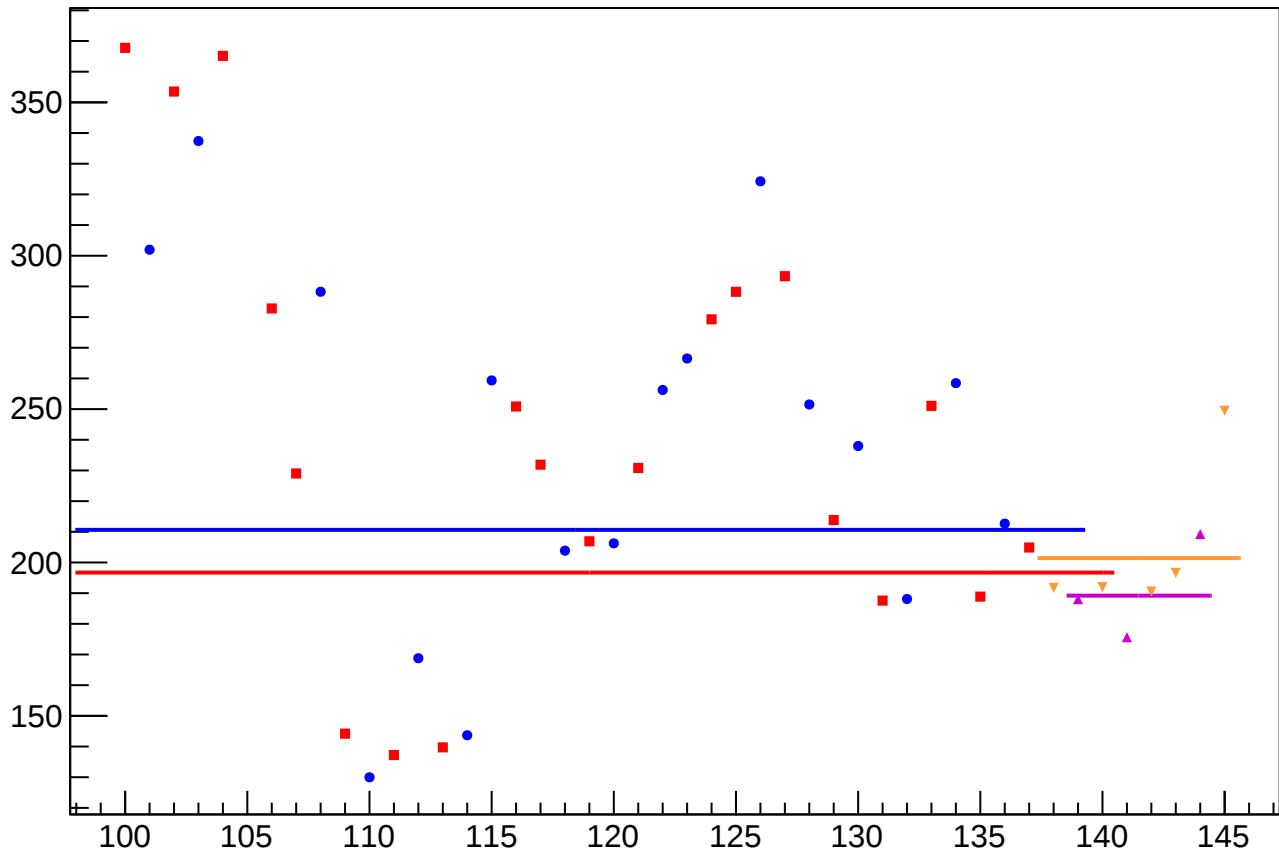
Left In: -544.961 $\pm$ 123.778 χ^2/NDF :19.9/2

434.958 $\pm$ 68.036 χ^2/NDF : 562.7/21

-216.497 $\pm$ 47.423 χ^2/NDF : 1293.2/44

-832.068 $\pm$ 66.136 χ^2/NDF : 552.1/22

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

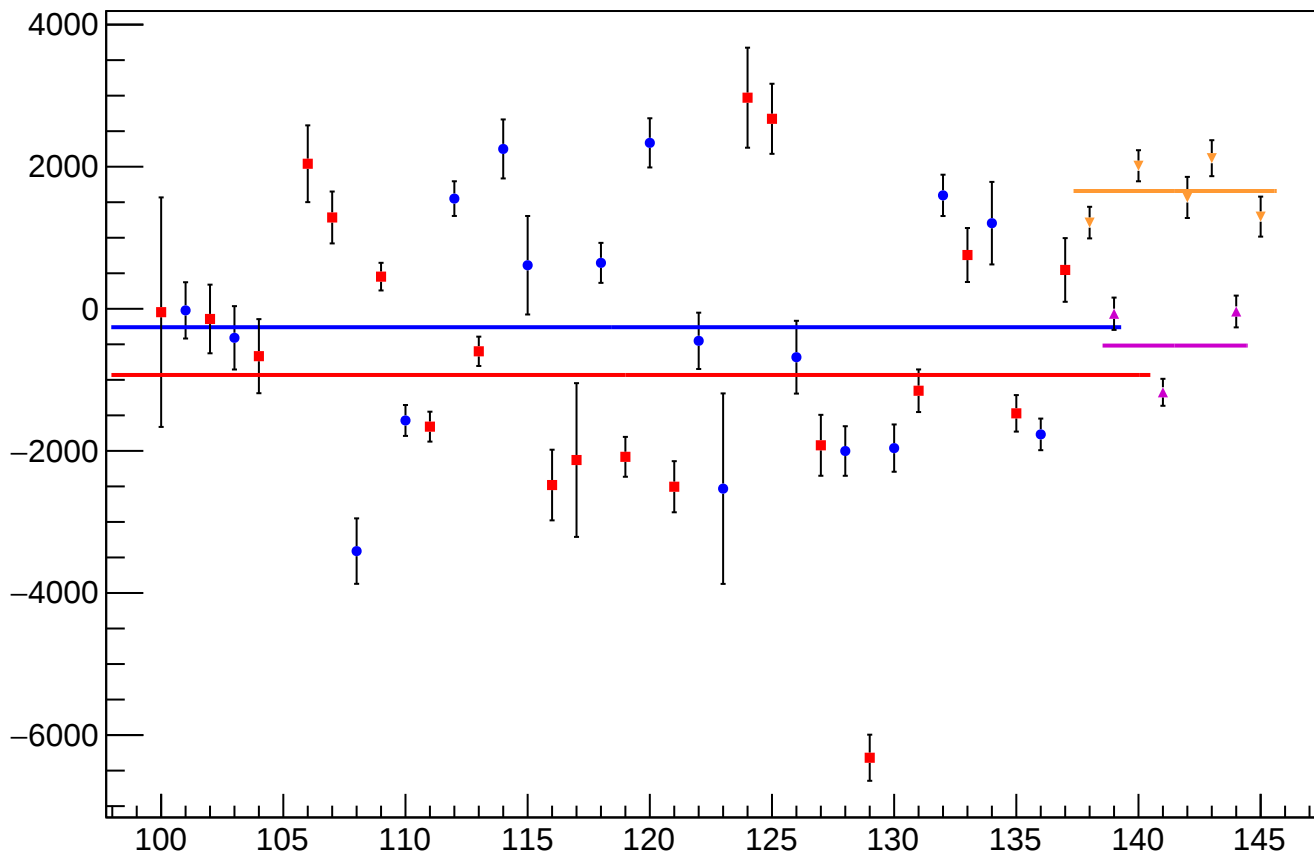
Left In: 189.190 $\pm$ 0.088 χ^2/NDF : 25632.4/2

207.273 $\pm$ 0.048 χ^2/NDF : 951333.4/21

200.735 $\pm$ 0.034 χ^2/NDF : 2225237.9/44

194.557 $\pm$ 0.047 χ^2/NDF : 1237985.8/22

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -259.139 ± 82.802 $\chi^2/\text{NDF}: 391.2/16$

Left Out: 1658.034 ± 110.942 $\chi^2/\text{NDF}: 11.7/4$

Right Out: -931.363 ± 75.320 $\chi^2/\text{NDF}: 583.1/19$

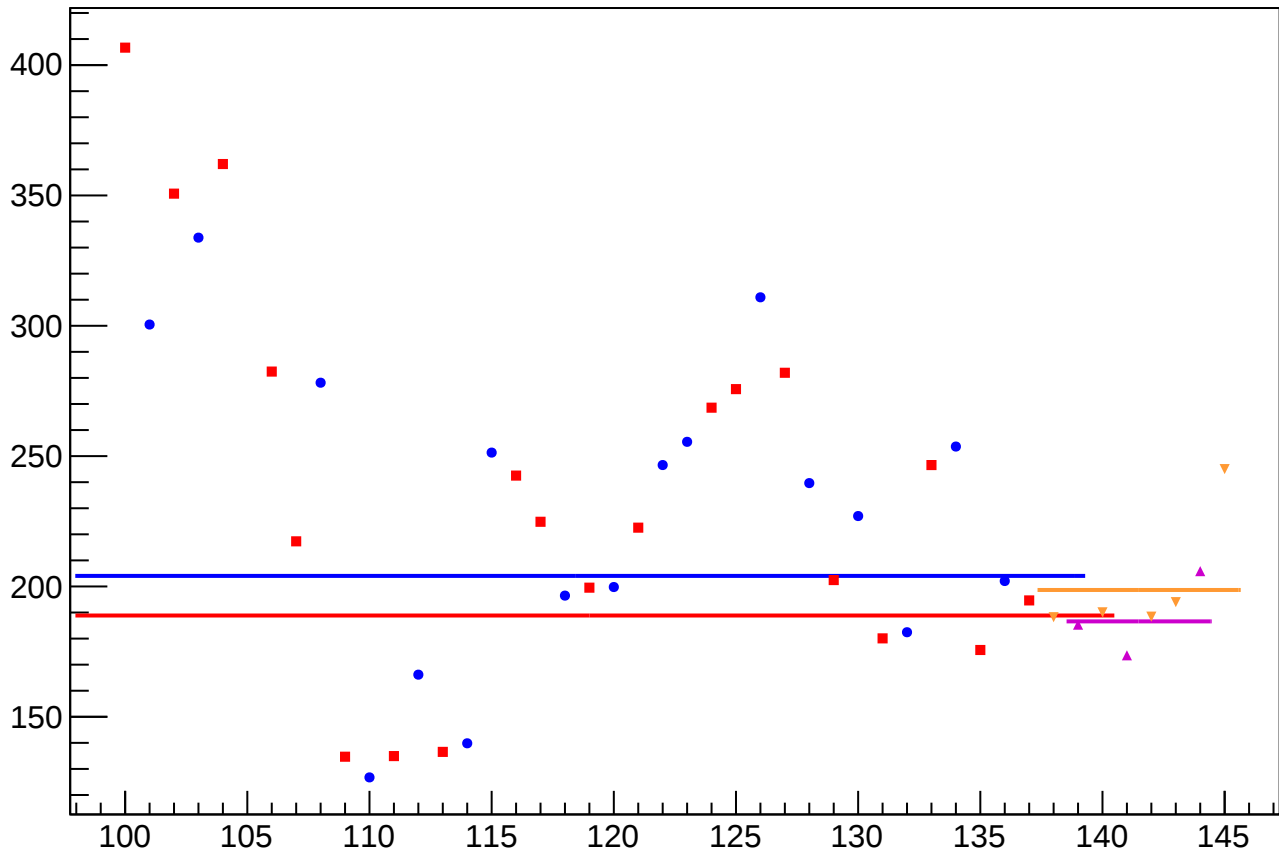
Left In: -517.605 ± 122.087 $\chi^2/\text{NDF}: 20.5/2$

426.742 ± 66.358 $\chi^2/\text{NDF}: 594.7/21$

-216.773 ± 46.104 $\chi^2/\text{NDF}: 1388.4/44$

-817.297 ± 64.103 $\chi^2/\text{NDF}: 611.9/22$

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

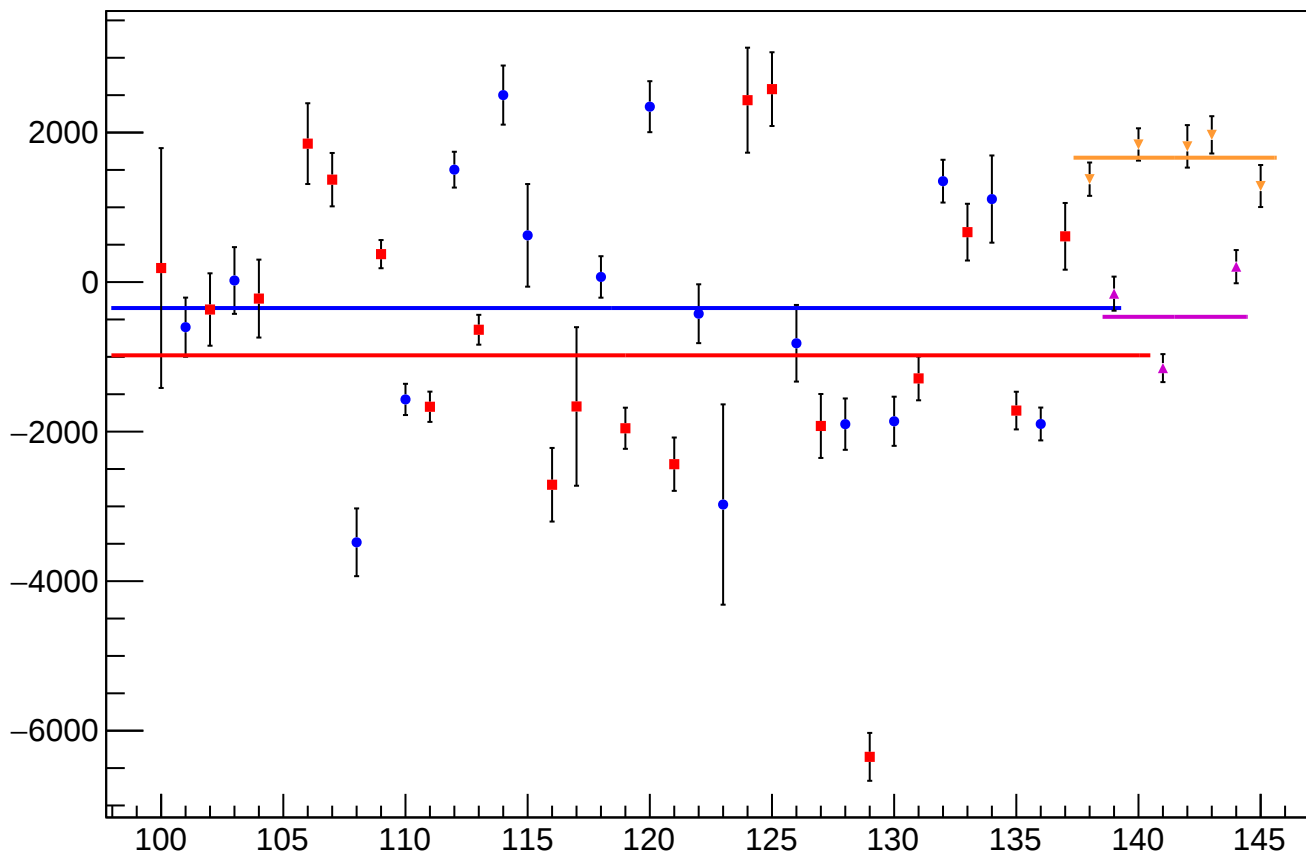
Left In: 186.599+/-0.086 χ^2/NDF : 24316.1/2

202.119+/-0.047 χ^2/NDF : 936384.7/21

194.936+/-0.033 χ^2/NDF : 2259823.0/44

188.234+/-0.045 χ^2/NDF : 1278137.9/22

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.240 $\pm$ 81.318 χ^2/NDF : 399.1/16

Left Out: 1663.587 $\pm$ 109.993 χ^2/NDF : 5.9/4

Right Out: -979.606 $\pm$ 73.710 χ^2/NDF : 586.1/19

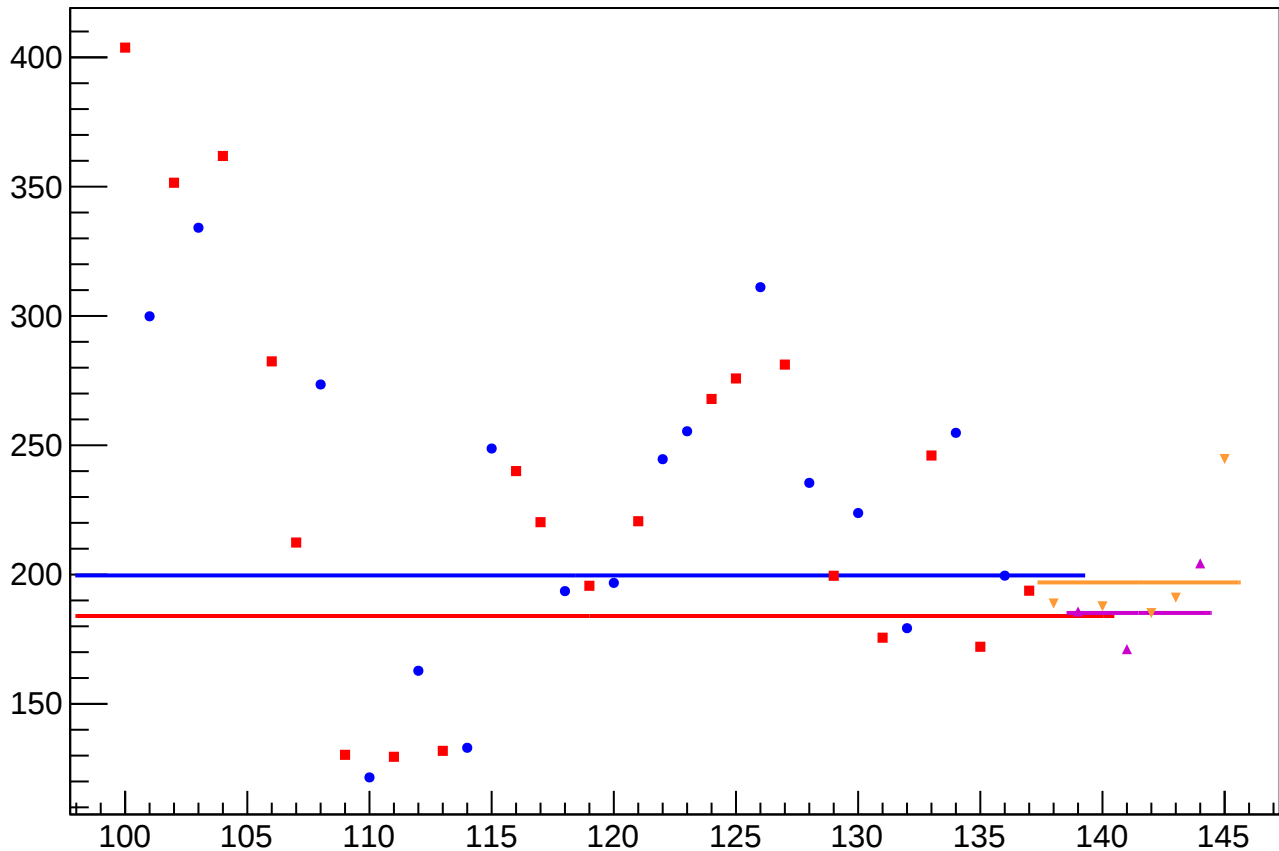
Left In: -464.629 $\pm$ 121.185 χ^2/NDF : 24.4/2

363.399 $\pm$ 65.388 χ^2/NDF : 621.1/21

-261.188 $\pm$ 45.360 χ^2/NDF : 1420.7/44

-840.536 $\pm$ 62.976 χ^2/NDF : 623.7/22

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 199.669 $\pm$ 0.058 χ^2/NDF : 943155.1/16

Left Out: 196.967 $\pm$ 0.078 χ^2/NDF : 68567.0/4

Right Out: 183.984 $\pm$ 0.052 χ^2/NDF : 1351978.1/19

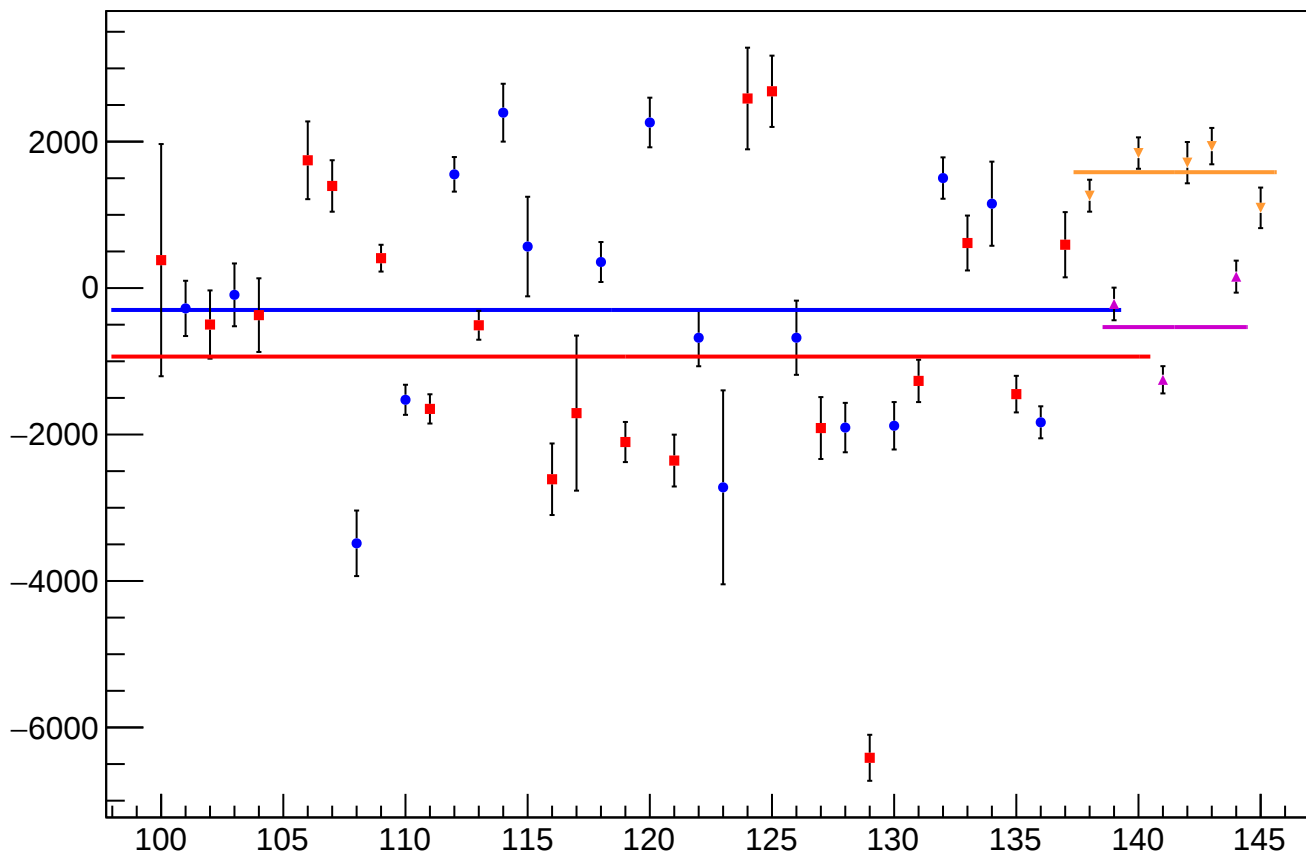
Left In: 185.170 $\pm$ 0.086 χ^2/NDF : 26107.0/2

198.714 $\pm$ 0.046 χ^2/NDF : 1012502.6/21

191.239 $\pm$ 0.032 χ^2/NDF : 2441115.3/44

184.304 $\pm$ 0.045 χ^2/NDF : 1378224.7/22

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -298.963+/-80.162 χ^2/NDF : 406.6/16

Left Out: 1582.371+/-108.717 χ^2/NDF : 9.0/4

Right Out: -935.490+/-72.580 χ^2/NDF : 615.3/19

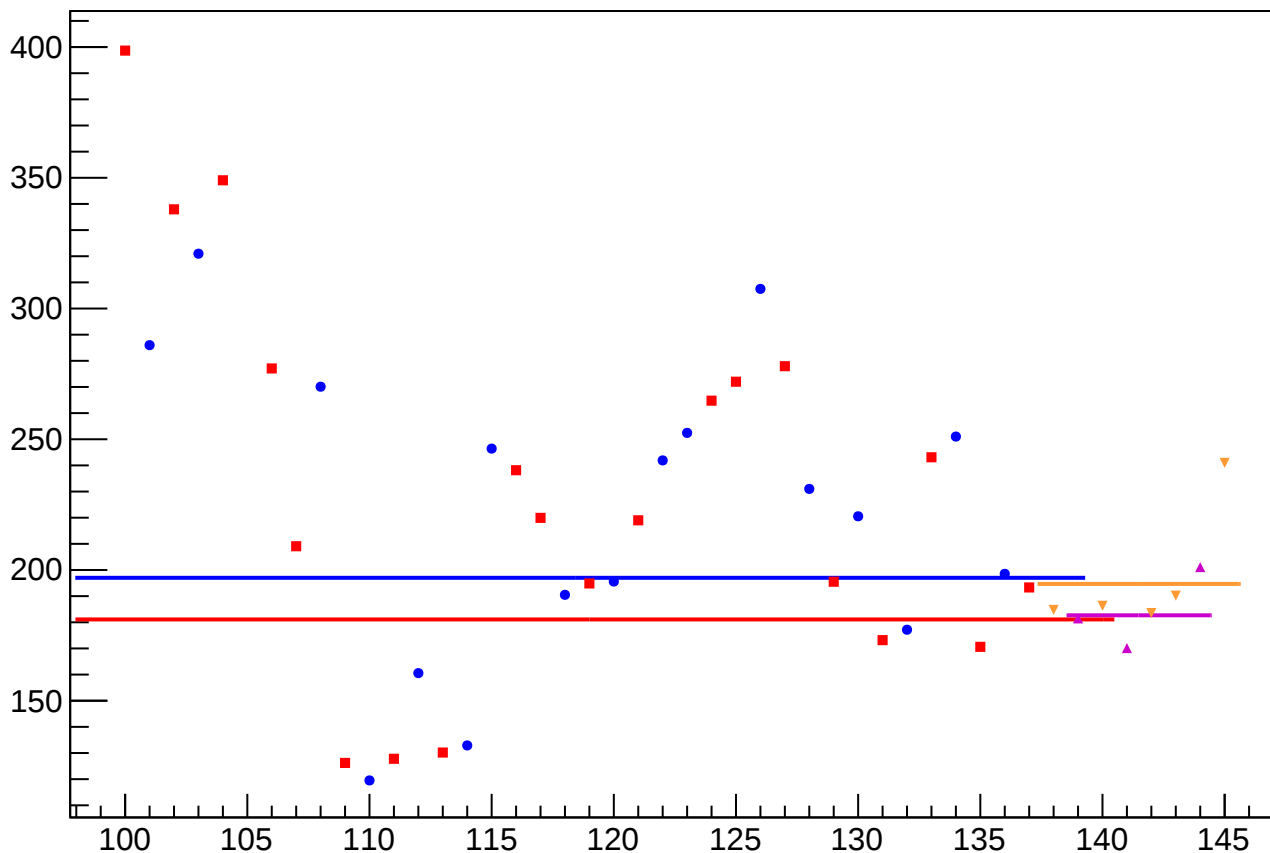
Left In: -532.689+/-119.555 χ^2/NDF : 26.9/2

363.635+/-64.519 χ^2/NDF : 609.6/21

-254.989+/-44.720 χ^2/NDF : 1437.1/44

-827.016+/-62.042 χ^2/NDF : 650.5/22

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

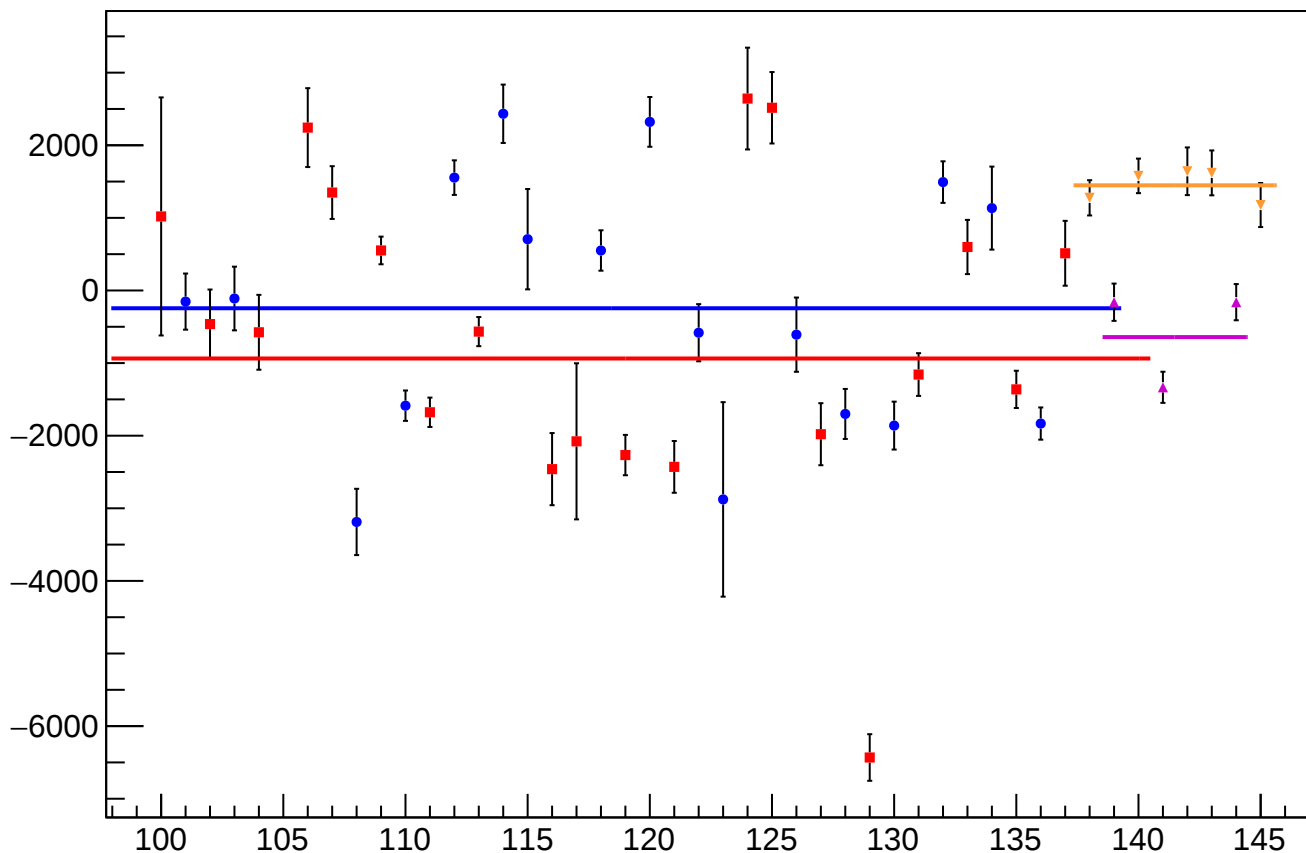
Left In: 182.674 $\pm$ 0.085 χ^2/NDF : 23362.9/2

196.190 $\pm$ 0.046 χ^2/NDF : 979402.7/21

188.566 $\pm$ 0.032 χ^2/NDF : 2405160.8/44

181.516 $\pm$ 0.044 χ^2/NDF : 1372010.3/22

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

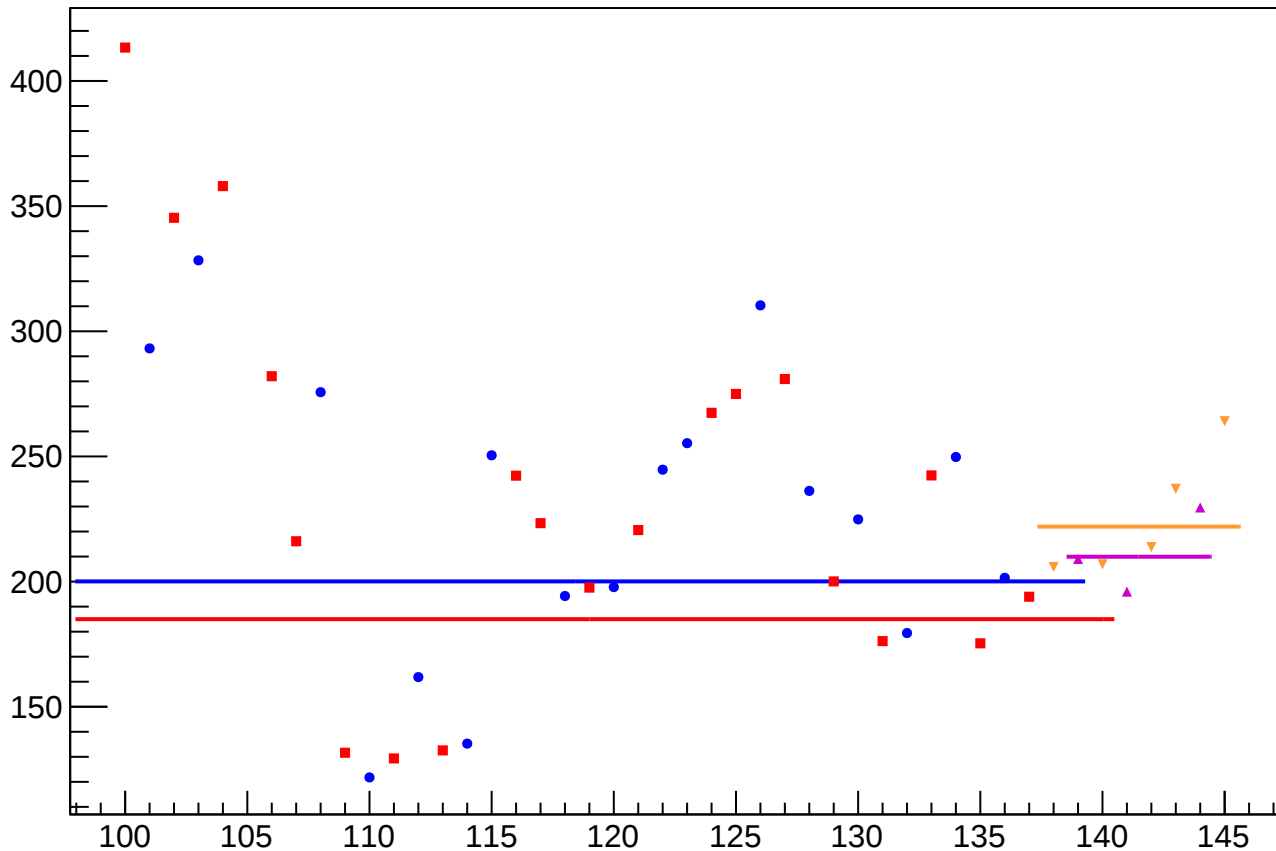
Left In: -642.126 $\pm$ 137.317 χ^2/NDF : 17.6/2

266.112 $\pm$ 68.013 χ^2/NDF : 524.3/21

-326.436 $\pm$ 47.052 χ^2/NDF : 1301.9/44

-870.371 $\pm$ 65.163 χ^2/NDF : 632.0/22

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

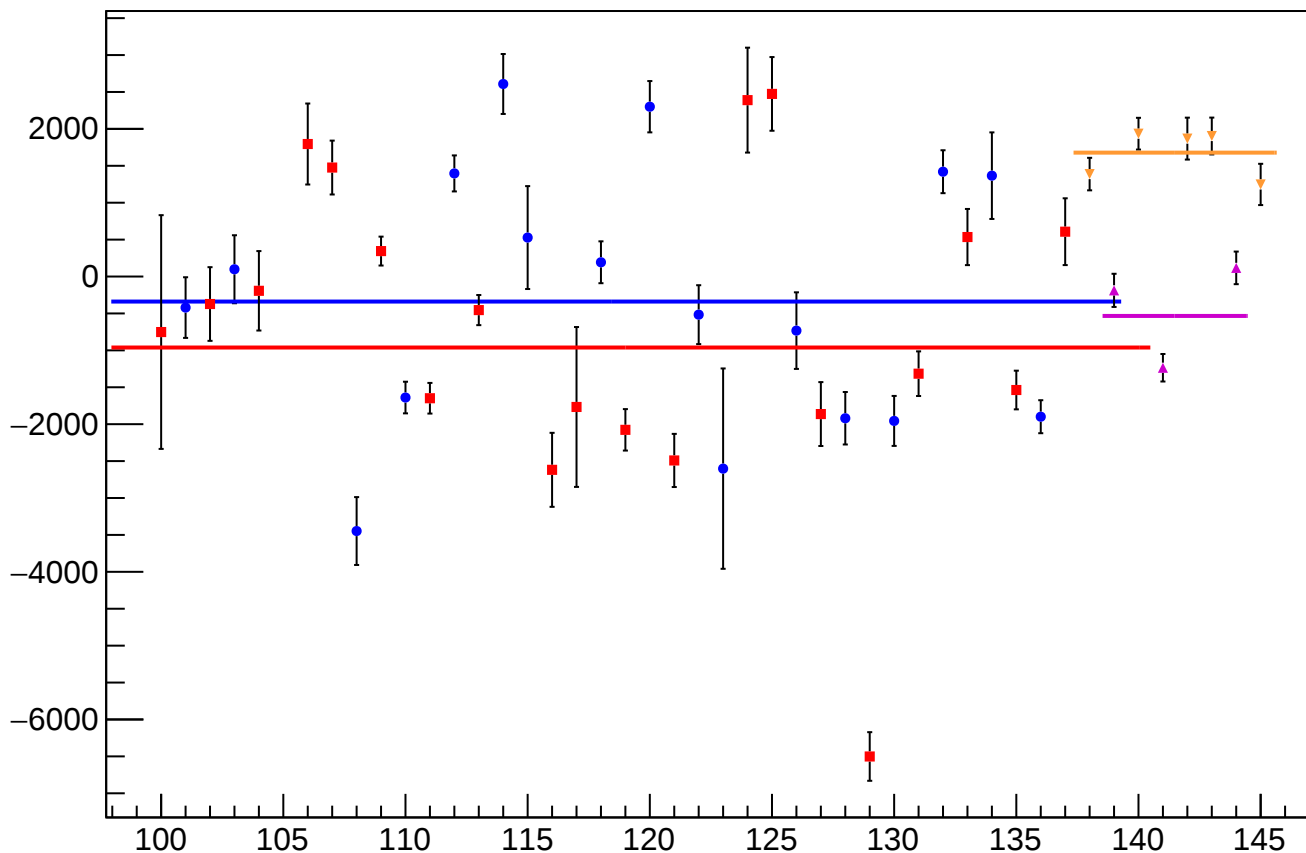
Left In: 209.933 $\pm$ 0.097 χ^2/NDF : 20941.8/2

206.685 $\pm$ 0.048 χ^2/NDF : 1023351.5/21

198.302 $\pm$ 0.033 χ^2/NDF : 2474521.2/44

190.607 $\pm$ 0.046 χ^2/NDF : 1392897.5/22

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

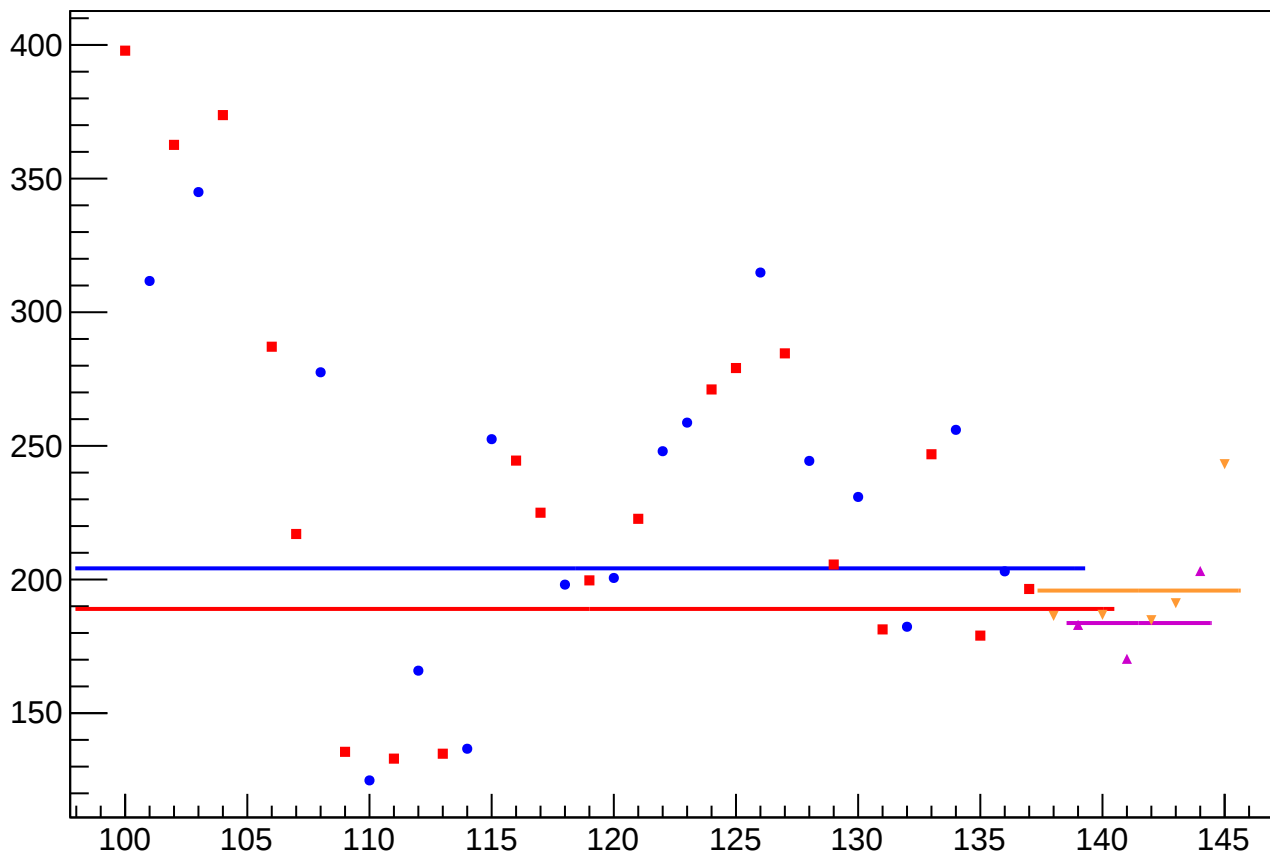
Left In: -533.797 ± 120.261 χ^2/NDF : 25.3/2

399.125 ± 66.192 χ^2/NDF : 611.8/21

-241.712 ± 46.004 χ^2/NDF : 1398.3/44

-840.477 ± 63.982 χ^2/NDF : 605.2/22

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

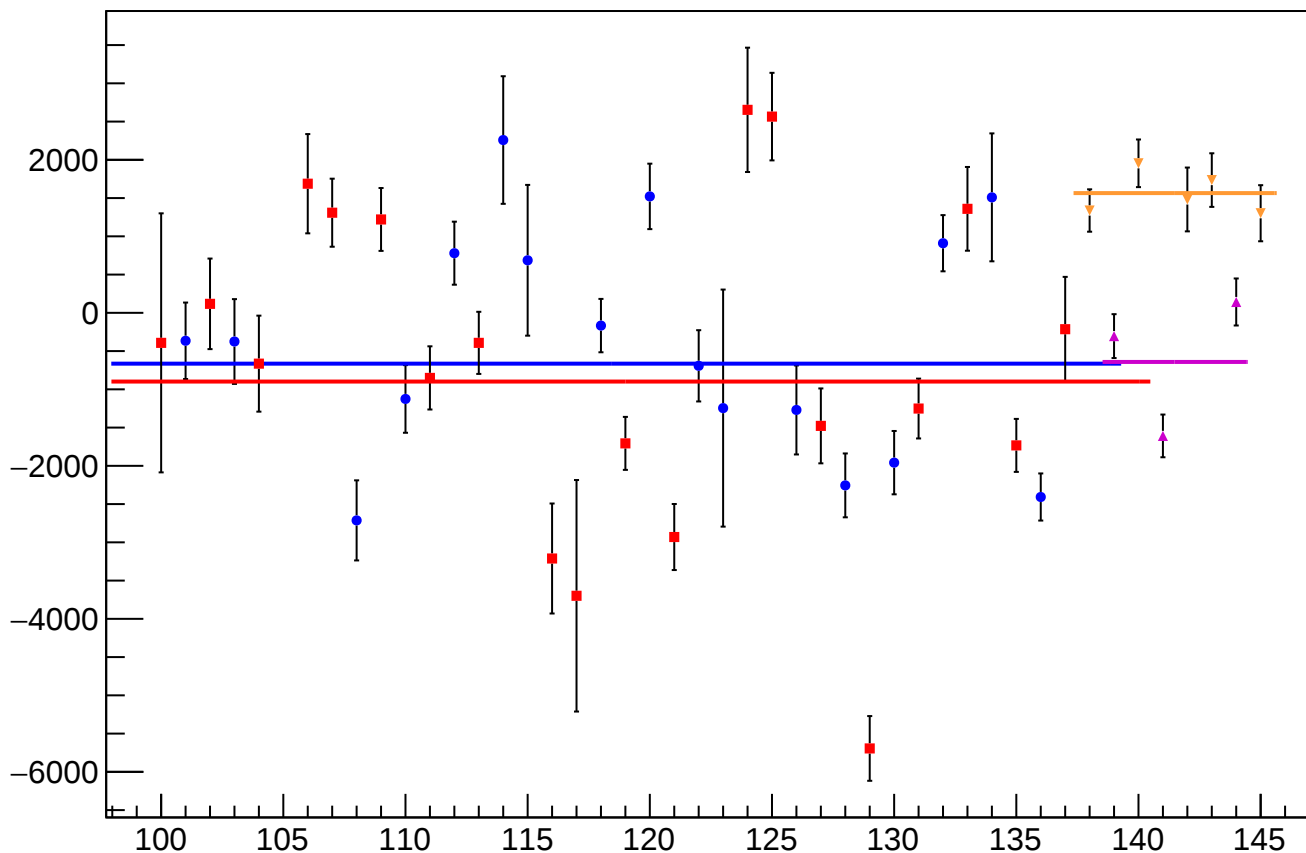
Left In: 183.717 +/- 0.085 χ^2/NDF : 25888.8/2

201.134 +/- 0.047 χ^2/NDF : 1023049.3/21

194.087 +/- 0.033 χ^2/NDF : 2412665.3/44

187.503 +/- 0.045 χ^2/NDF : 1345764.5/22

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -664.383 ± 113.949 $\chi^2/\text{NDF}: 154.3/16$

Left Out: 1565.110 ± 149.591 $\chi^2/\text{NDF}: 3.0/4$

Right Out: -898.290 ± 110.578 $\chi^2/\text{NDF}: 323.5/19$

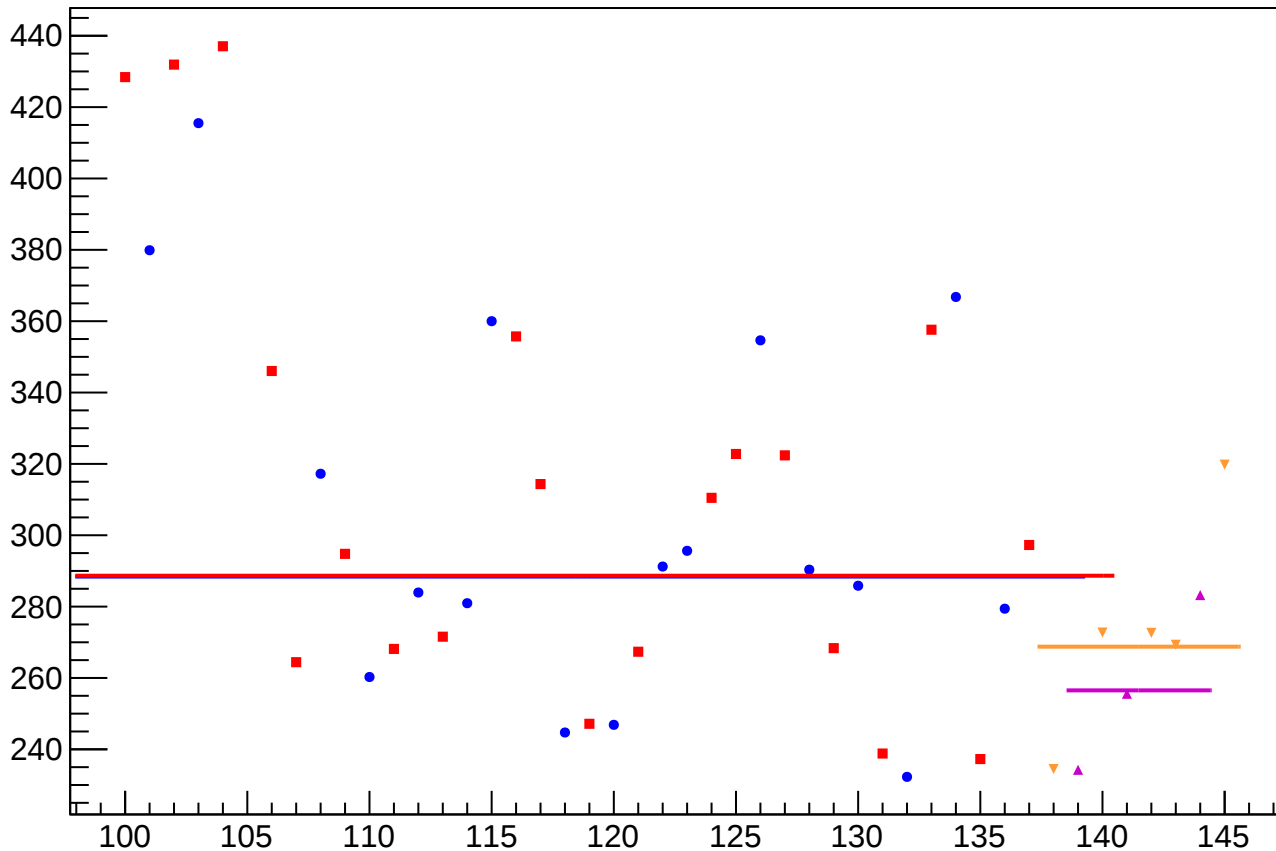
Left In: -641.927 ± 167.640 $\chi^2/\text{NDF}: 19.9/2$

154.253 ± 90.646 $\chi^2/\text{NDF}: 297.9/21$

-324.312 ± 64.675 $\chi^2/\text{NDF}: 699.7/44$

-820.565 ± 92.306 $\chi^2/\text{NDF}: 345.0/22$

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 288.428 $\pm$ 0.081 χ^2 /NDF: 339820.0/16

Left Out: 268.774 $\pm$ 0.106 χ^2 /NDF: 69889.7/4

Right Out: 288.660 $\pm$ 0.078 χ^2 /NDF: 455989.7/19

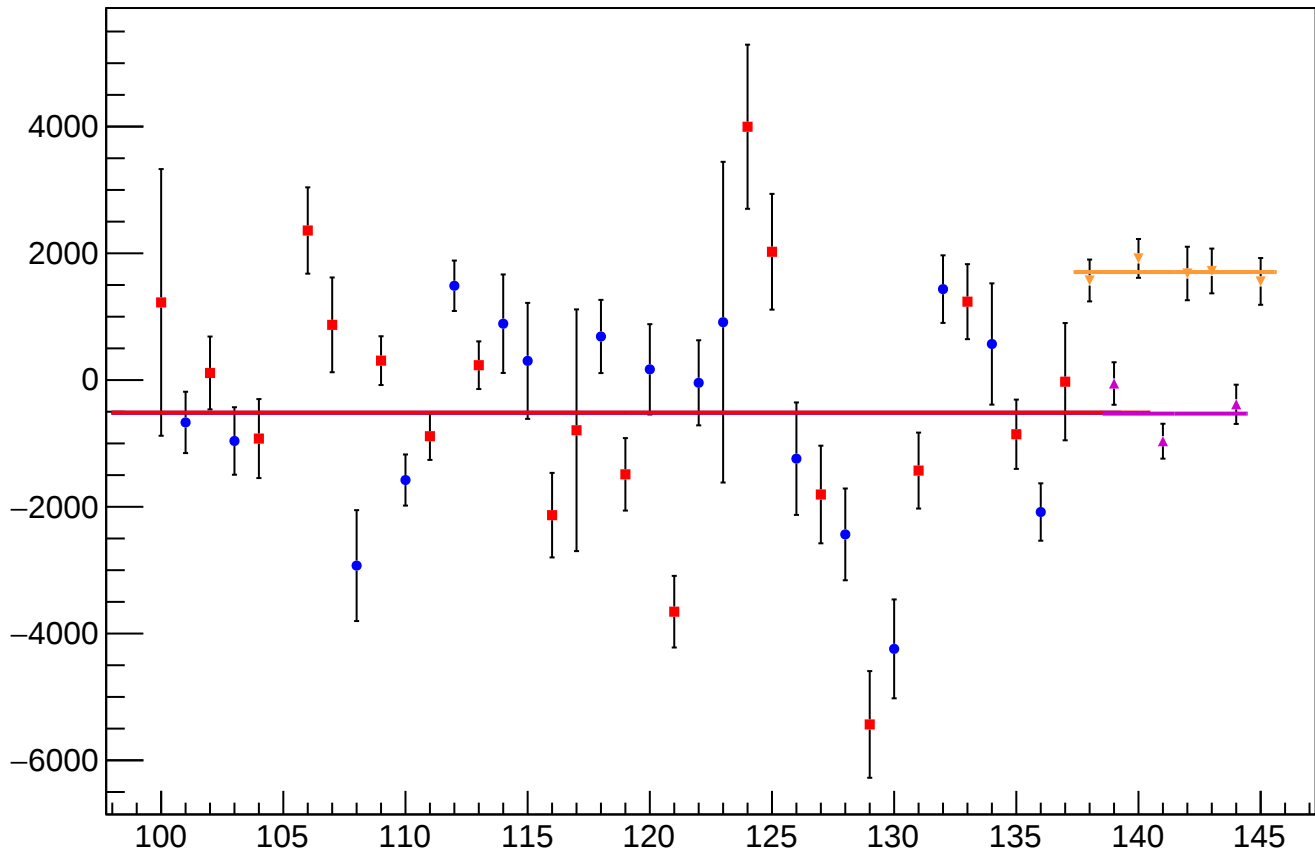
Left In: 256.522 $\pm$ 0.119 χ^2 /NDF: 27189.1/2

281.211 $\pm$ 0.064 χ^2 /NDF: 431558.1/21

280.085 $\pm$ 0.046 χ^2 /NDF: 966584.6/44

278.916 $\pm$ 0.065 χ^2 /NDF: 534397.0/22

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -515.894 ± 147.326 $\chi^2/\text{NDF}: 108.0/16$

Left Out: 1704.384 ± 156.560 $\chi^2/\text{NDF}: 0.8/4$

Right Out: -513.264 ± 135.456 $\chi^2/\text{NDF}: 141.3/19$

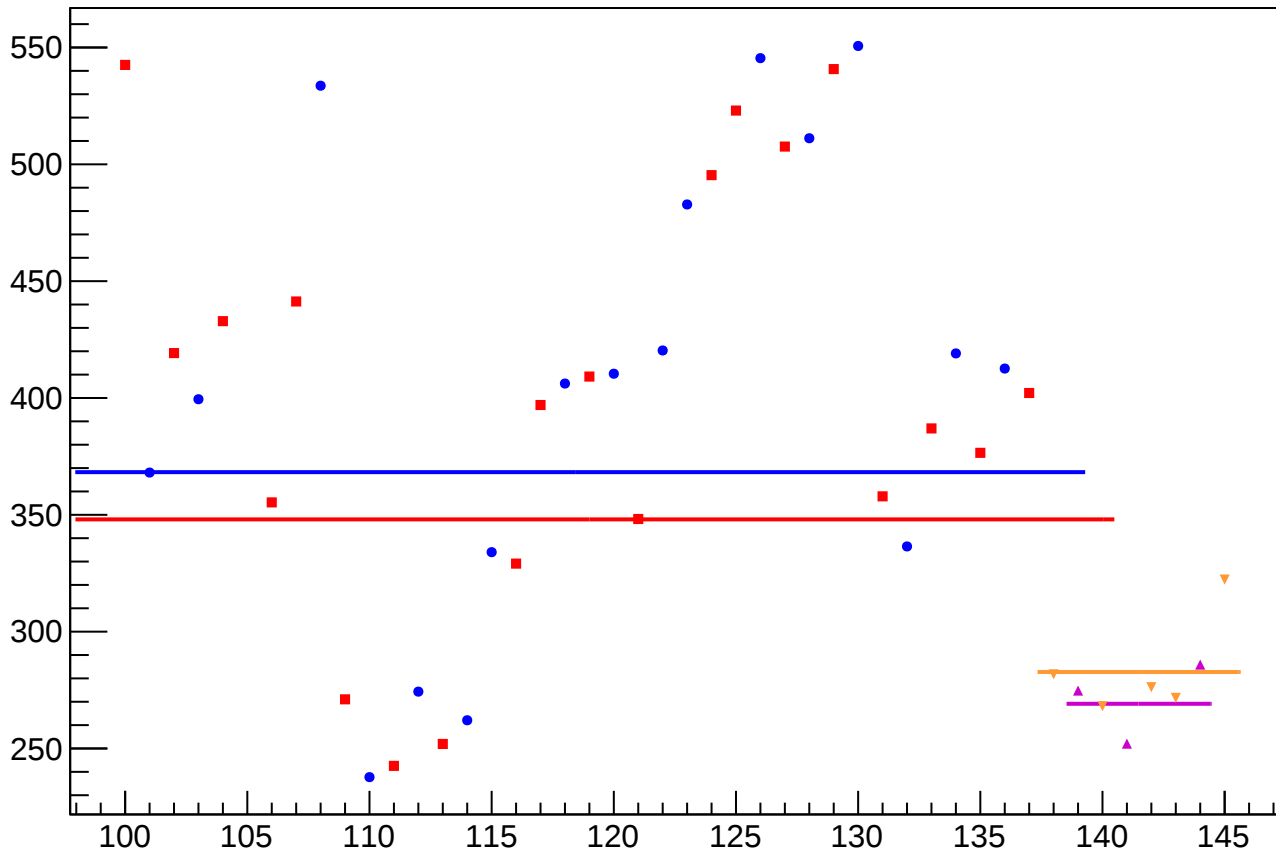
Left In: -529.311 ± 175.363 $\chi^2/\text{NDF}: 4.7/2$

526.840 ± 107.291 $\chi^2/\text{NDF}: 215.5/21$

3.340 ± 75.834 $\chi^2/\text{NDF}: 409.1/44$

-519.261 ± 107.199 $\chi^2/\text{NDF}: 146.0/22$

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

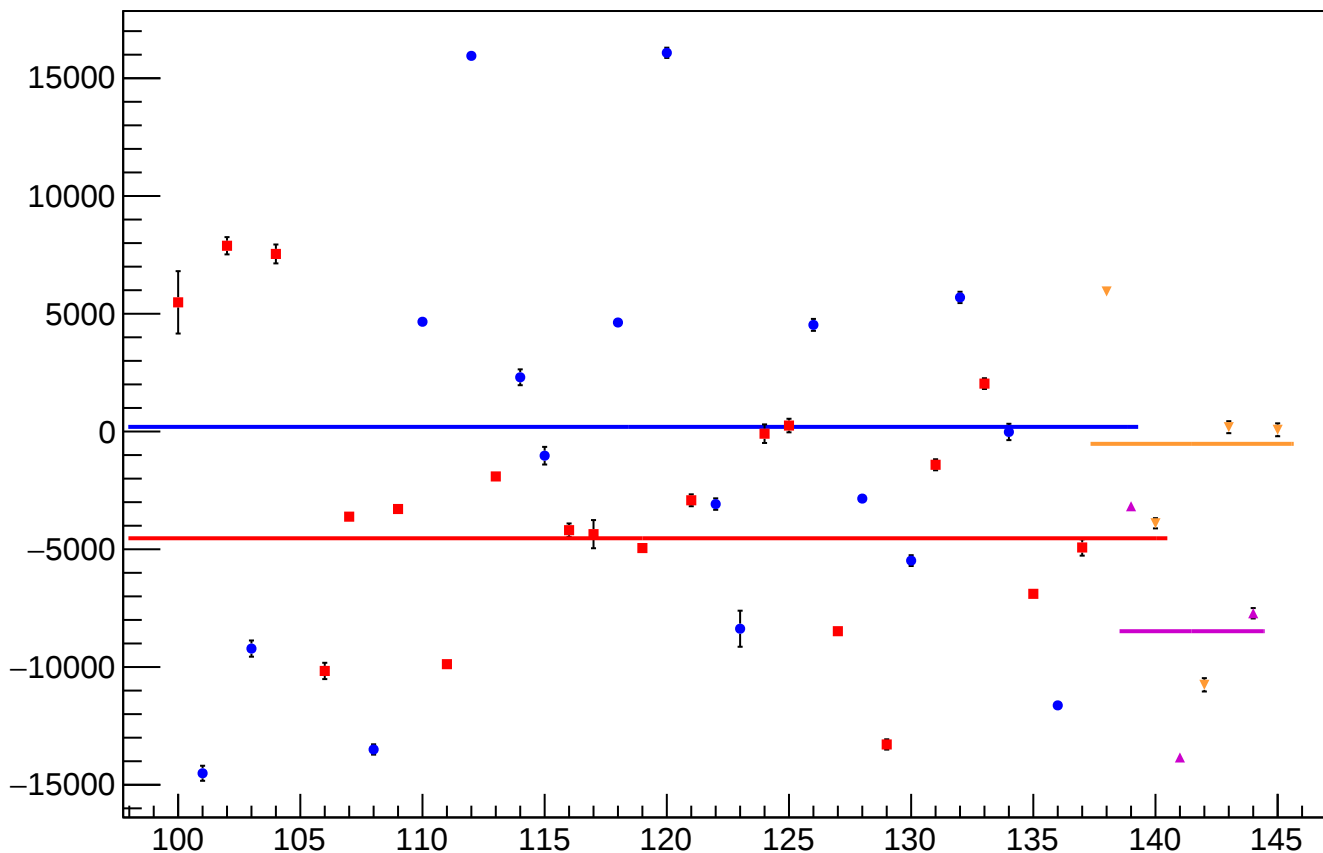
Left In: 269.130 $\pm$ 0.124 χ^2/NDF : 14115.3/2

328.095 $\pm$ 0.076 χ^2/NDF : 1116713.6/21

323.323 $\pm$ 0.054 χ^2/NDF : 2215624.7/44

318.559 $\pm$ 0.076 χ^2/NDF : 1091004.7/22

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 197.008 ± 54.799 $\chi^2/\text{NDF}: 30658.3/16$

Left Out: -523.086 ± 105.330 $\chi^2/\text{NDF}: 2720.8/4$

Right Out: -4532.856 ± 52.261 $\chi^2/\text{NDF}: 7477.3/19$

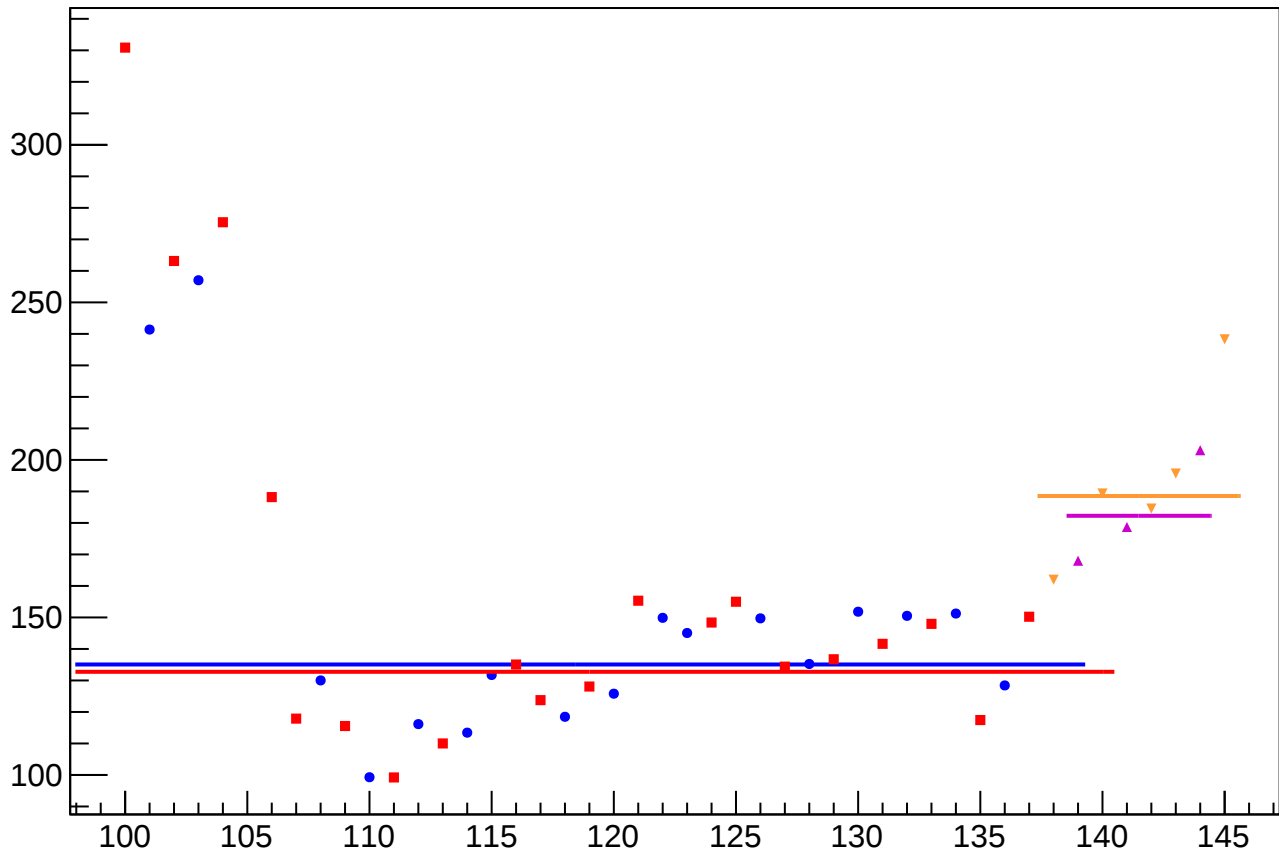
Left In: -8479.074 ± 119.328 $\chi^2/\text{NDF}: 1425.3/2$

43.620 ± 48.613 $\chi^2/\text{NDF}: 33415.9/21$

-2602.241 ± 34.109 $\chi^2/\text{NDF}: 49071.0/44$

-5167.961 ± 47.871 $\chi^2/\text{NDF}: 9820.3/22$

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

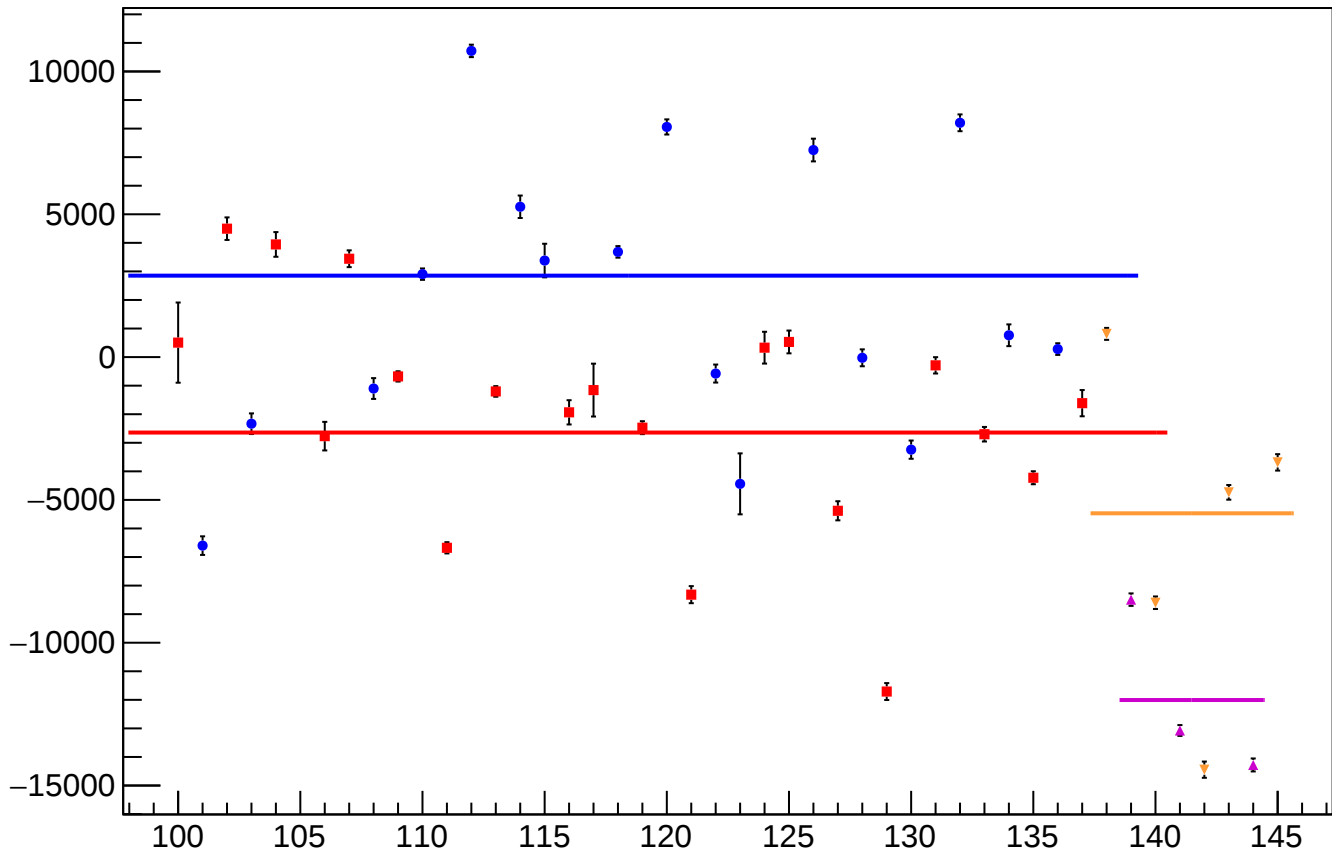
Left In: 182.265 $\pm$ 0.084 χ^2/NDF : 28018.7/2

146.463 $\pm$ 0.034 χ^2/NDF : 1171411.1/21

143.546 $\pm$ 0.024 χ^2/NDF : 2334243.8/44

140.717 $\pm$ 0.034 χ^2/NDF : 1148645.3/22

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

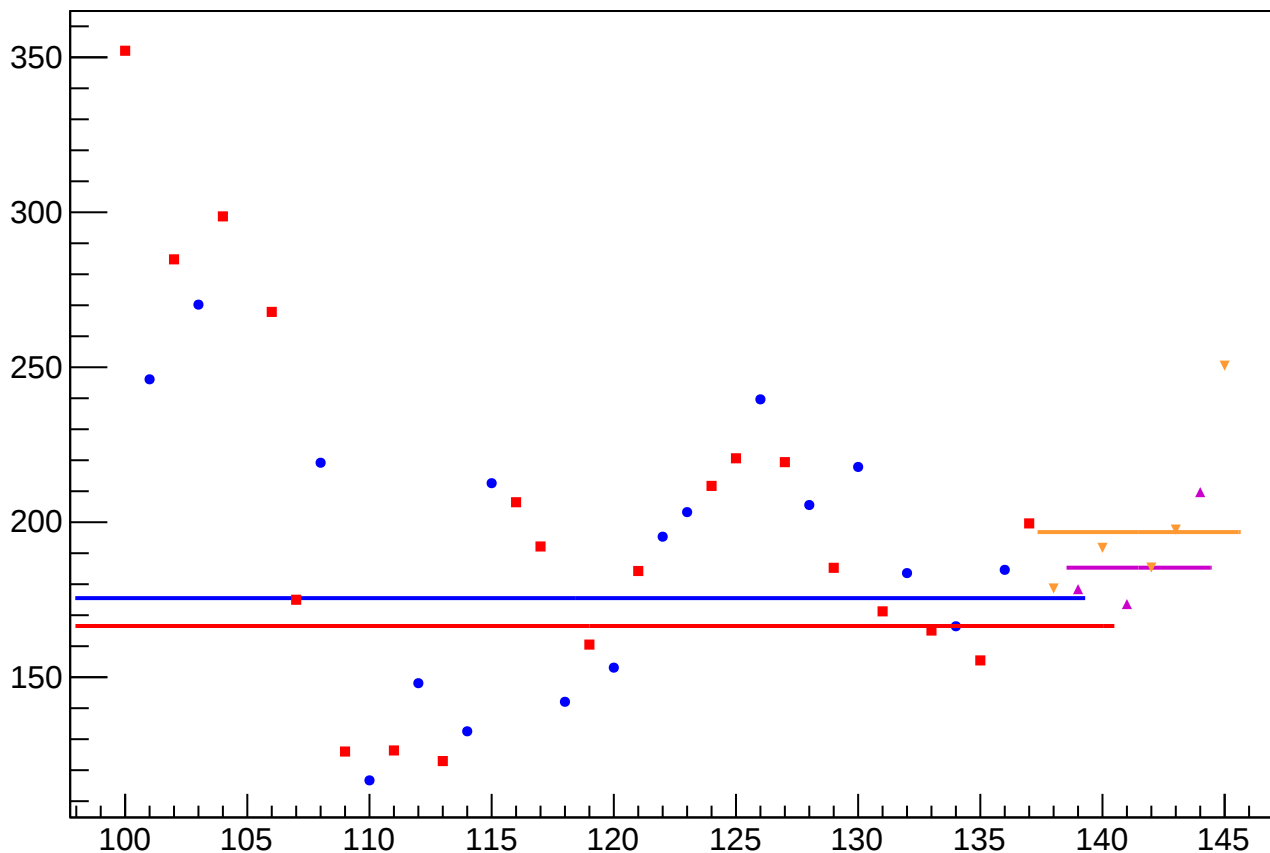
Left In: -12006.300 $\pm$ 121.239 χ^2 /NDF:390.0/2

407.823 $\pm$ 59.463 χ^2 /NDF: 10384.3/21

-2255.431 $\pm$ 41.399 χ^2 /NDF: 22461.7/44

-4760.688 $\pm$ 57.672 χ^2 /NDF: 8184.4/22

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

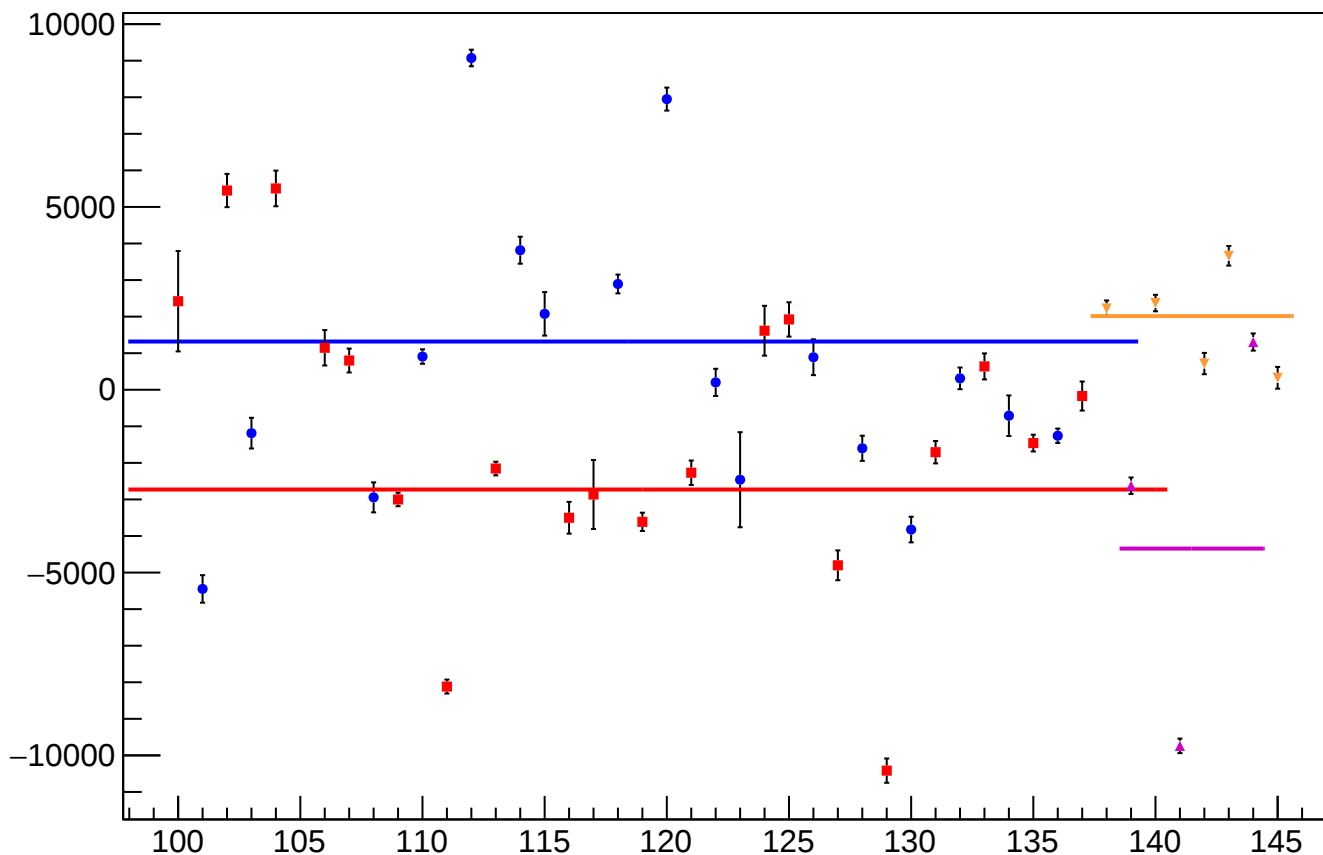
Left In: 185.335 +/- 0.086 χ^2/NDF : 32624.5/2

181.772 +/- 0.042 χ^2/NDF : 832013.6/21

176.108 +/- 0.029 χ^2/NDF : 1868196.1/44

170.779 +/- 0.041 χ^2/NDF : 1000961.8/22

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

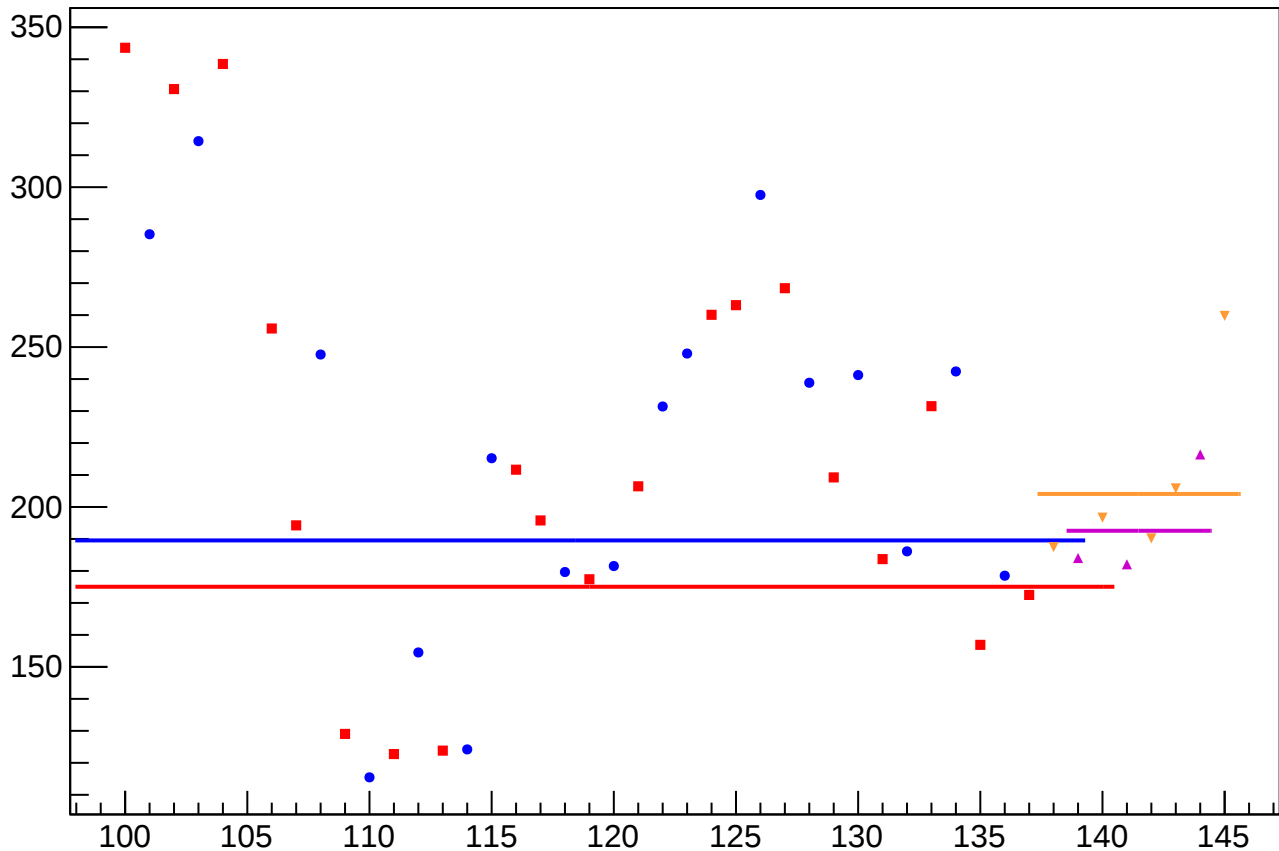
Left In: -4343.484 ± 125.923 χ^2/NDF : 1371.6/2

1538.037 ± 63.854 χ^2/NDF : 2785.8/21

-888.580 ± 44.136 χ^2/NDF : 9544.4/44

-3108.426 ± 61.073 χ^2/NDF : 3993.3/22

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

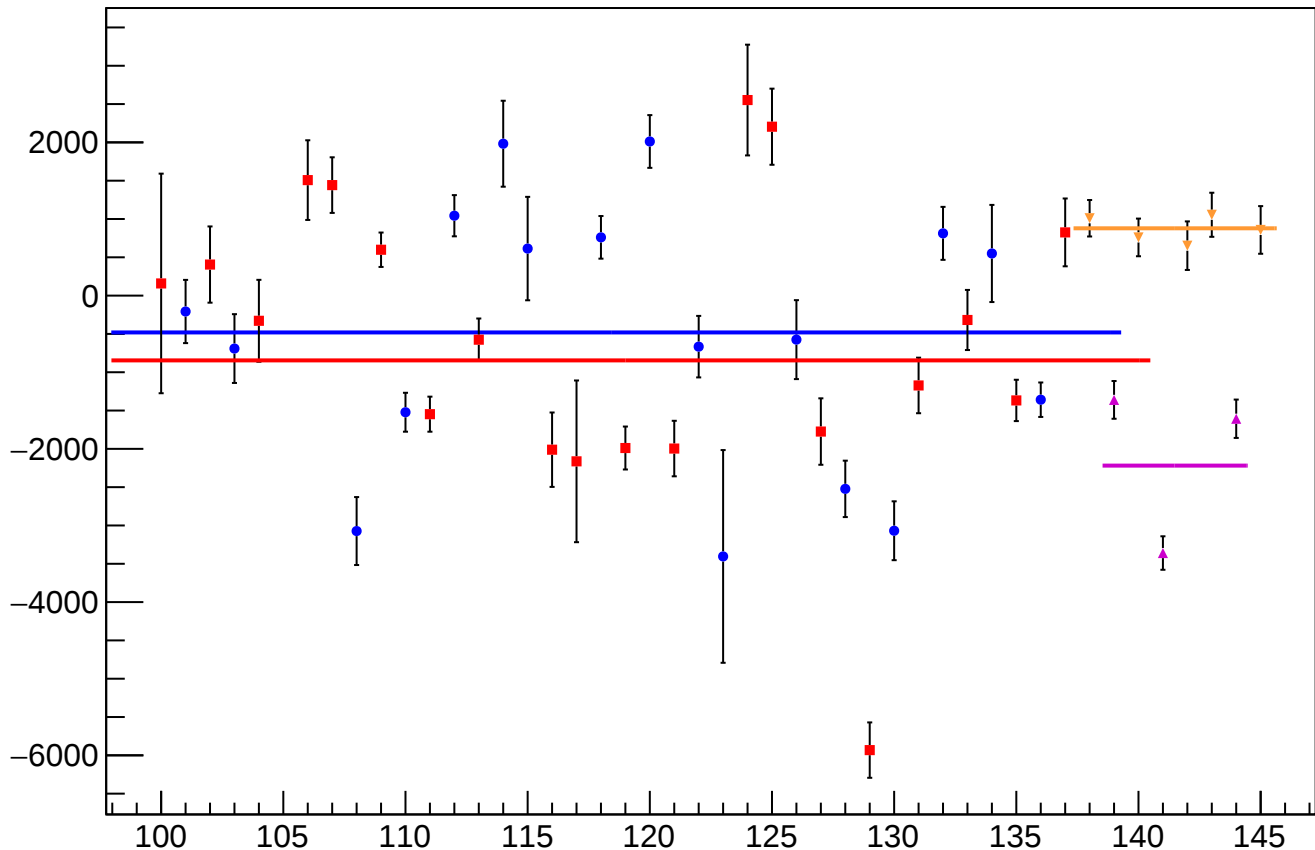
Left In: 192.562 $\pm$ 0.089 χ^2/NDF : 29059.4/2

194.122 $\pm$ 0.045 χ^2/NDF : 1091162.9/21

186.316 $\pm$ 0.031 χ^2/NDF : 2505080.6/44

179.176 $\pm$ 0.043 χ^2/NDF : 1356693.8/22

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

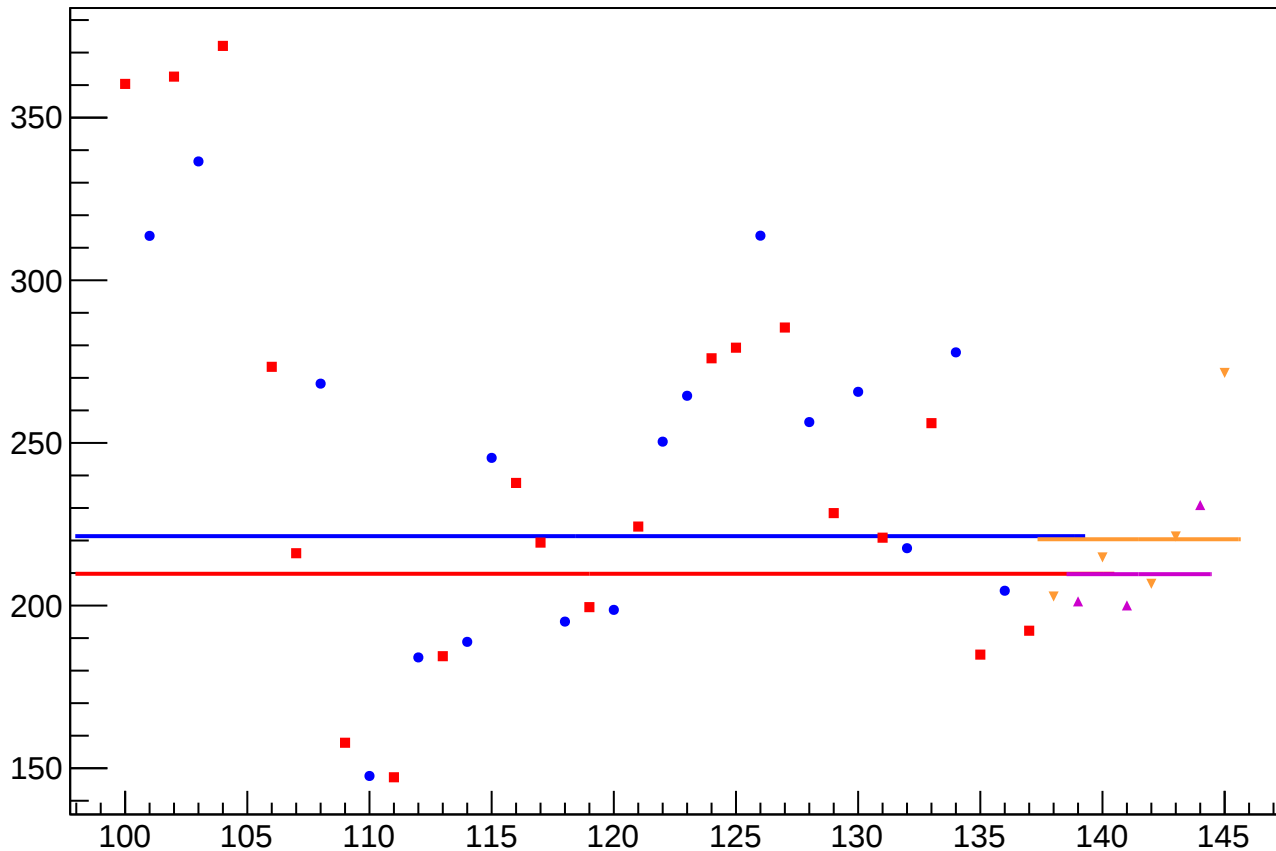
Left In: -2218.625+/-136.845 χ^2/NDF : 45.4/2

-13.746+/-71.821 χ^2/NDF : 372.9/21

-623.458+/-50.252 χ^2/NDF : 1070.4/44

-1208.199+/-70.335 χ^2/NDF : 556.3/22

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

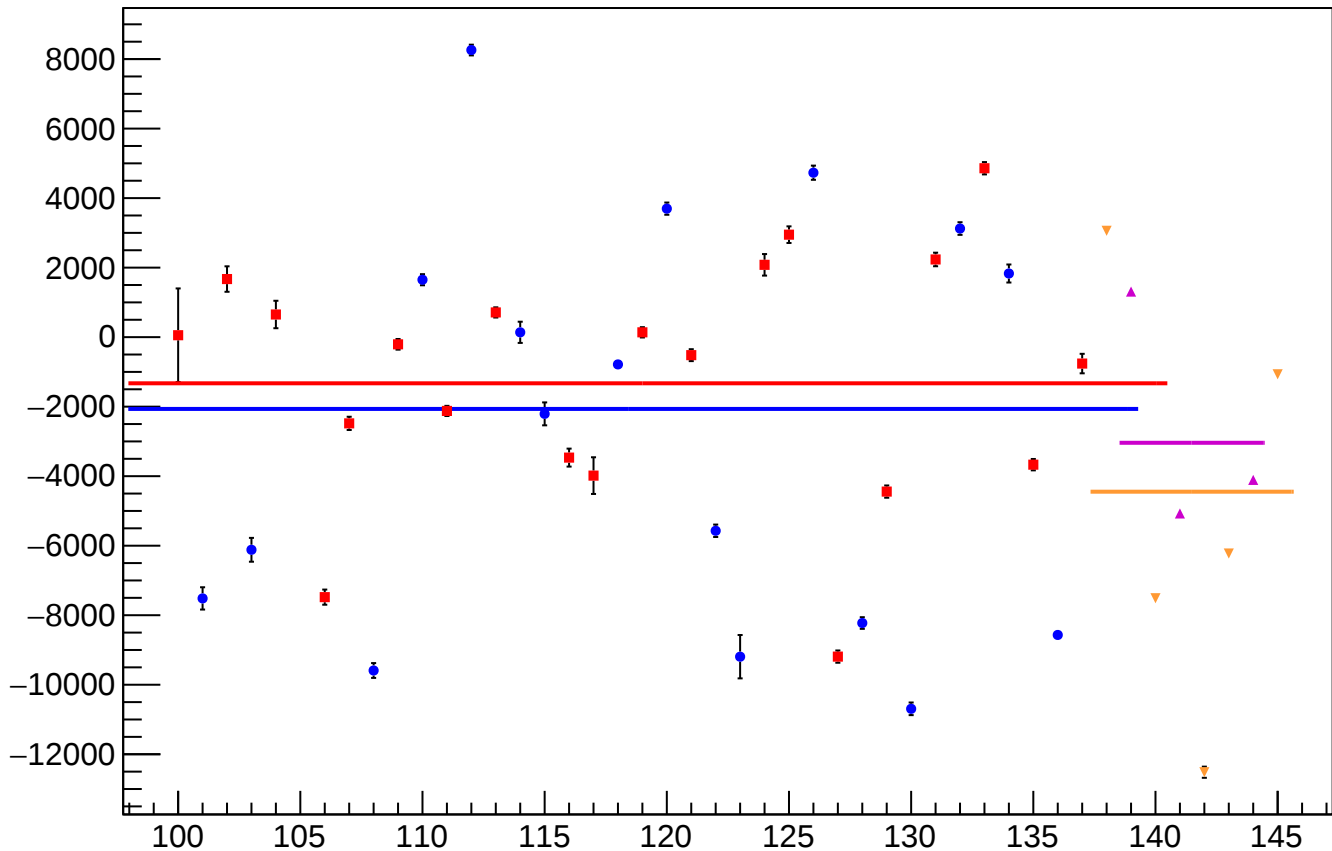
Left In: 209.656 $\pm$ 0.097 χ^2/NDF : 20582.7/2

221.014 $\pm$ 0.051 χ^2/NDF : 715569.2/21

215.261 $\pm$ 0.036 χ^2/NDF : 1645376.2/44

209.743 $\pm$ 0.050 χ^2/NDF : 904667.5/22

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

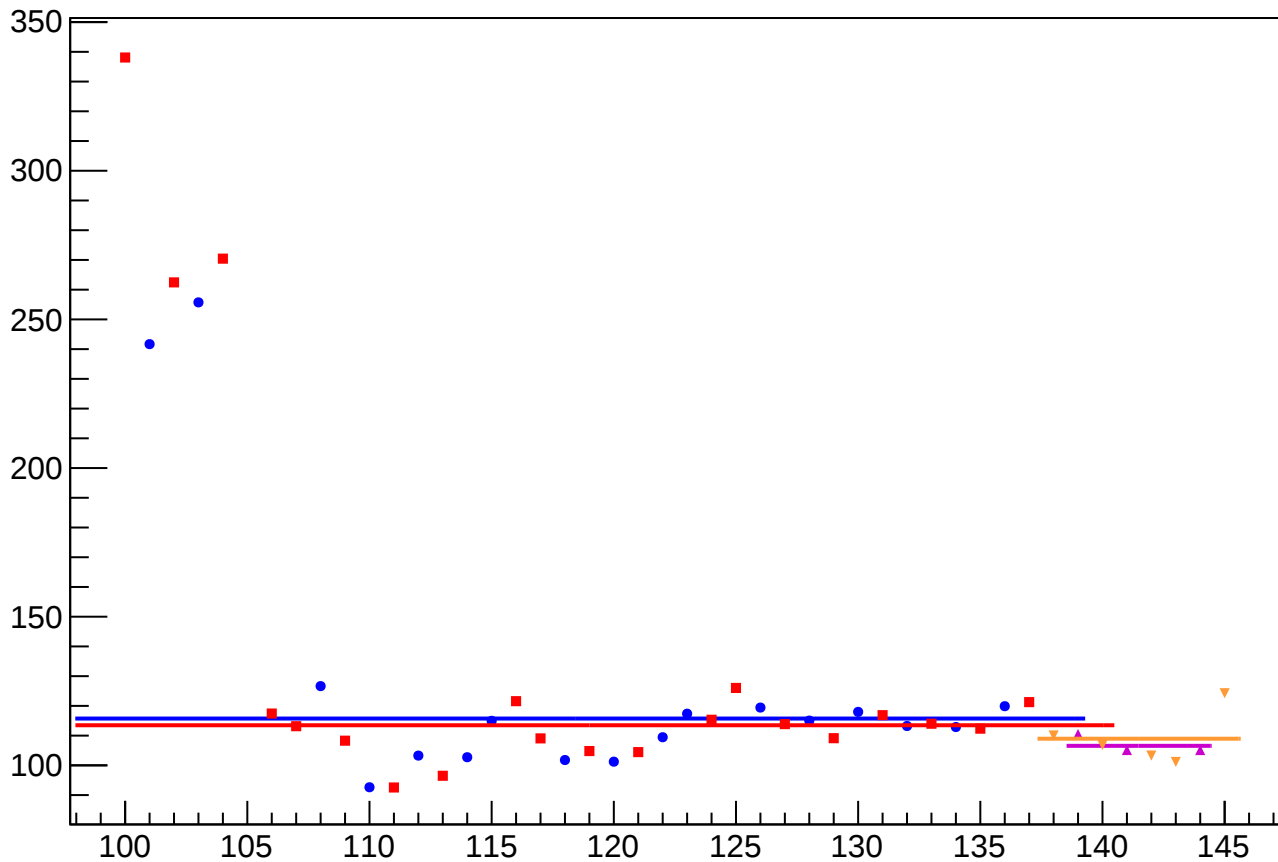
Left In: -3039.308+/-70.162 χ^2/NDF : 1402.6/2

-2958.494+/-37.406 χ^2/NDF : 24708.3/21

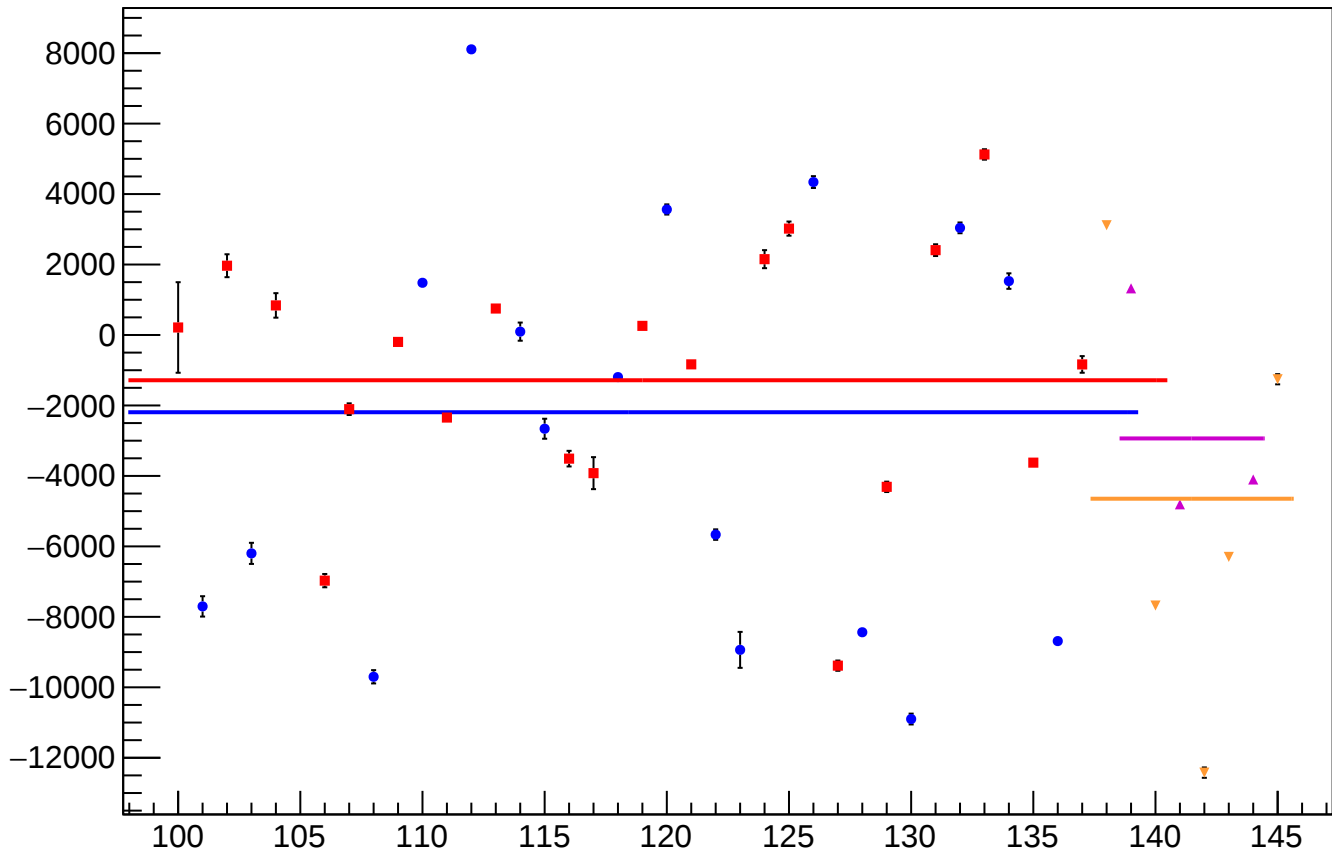
-2396.972+/-26.582 χ^2/NDF : 32908.5/44

-1824.111+/-37.782 χ^2/NDF : 7744.9/22

asym_bpm1i02WS_rms vs Slug, Sign Corrected



asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2192.327 ± 39.944 $\chi^2/\text{NDF}: 22813.5/16$

Left Out: -4647.081 ± 56.279 $\chi^2/\text{NDF}: 8575.0/4$

Right Out: -1284.692 ± 37.915 $\chi^2/\text{NDF}: 8584.4/19$

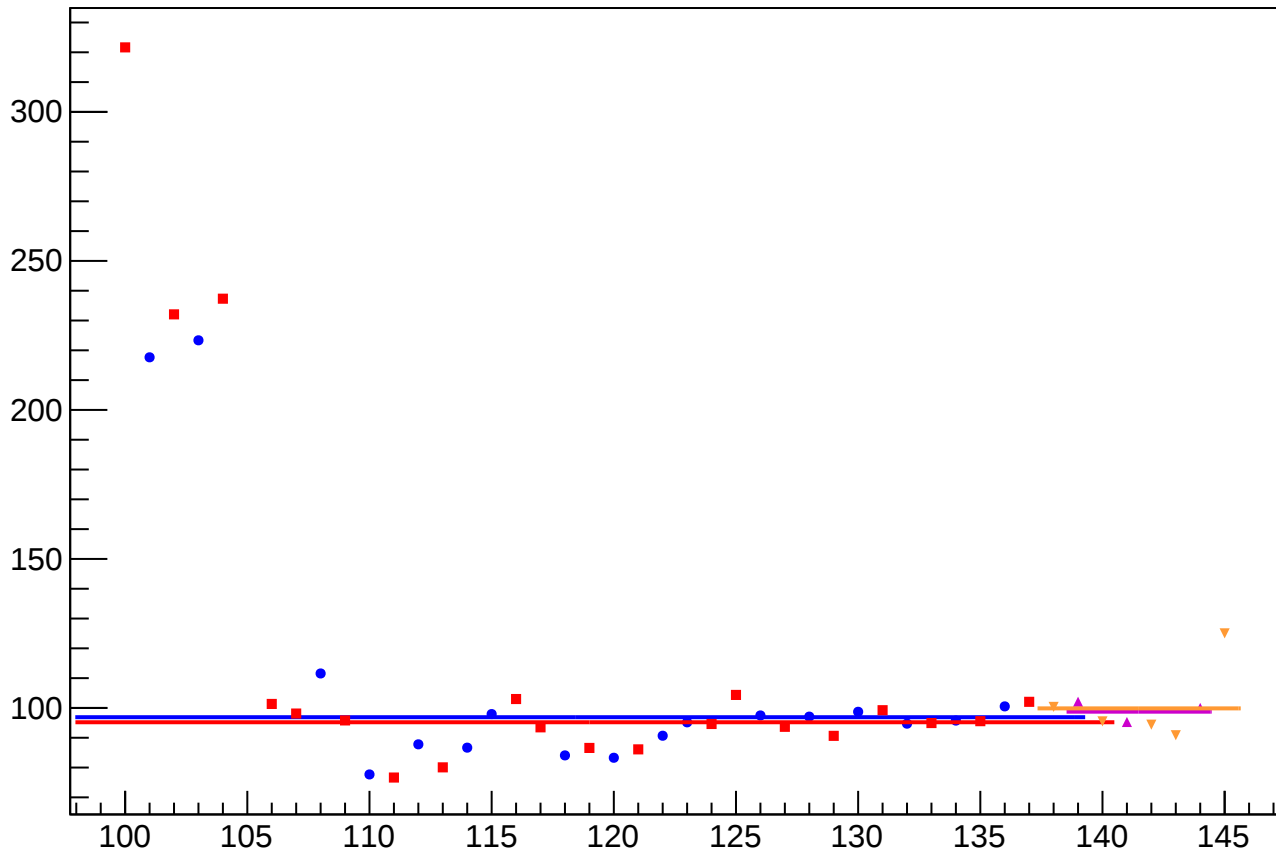
Left In: -2936.084 ± 65.155 $\chi^2/\text{NDF}: 1559.4/2$

-3014.649 ± 32.573 $\chi^2/\text{NDF}: 32653.7/21$

-2362.504 ± 23.102 $\chi^2/\text{NDF}: 44084.0/44$

-1702.446 ± 32.770 $\chi^2/\text{NDF}: 10623.7/22$

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

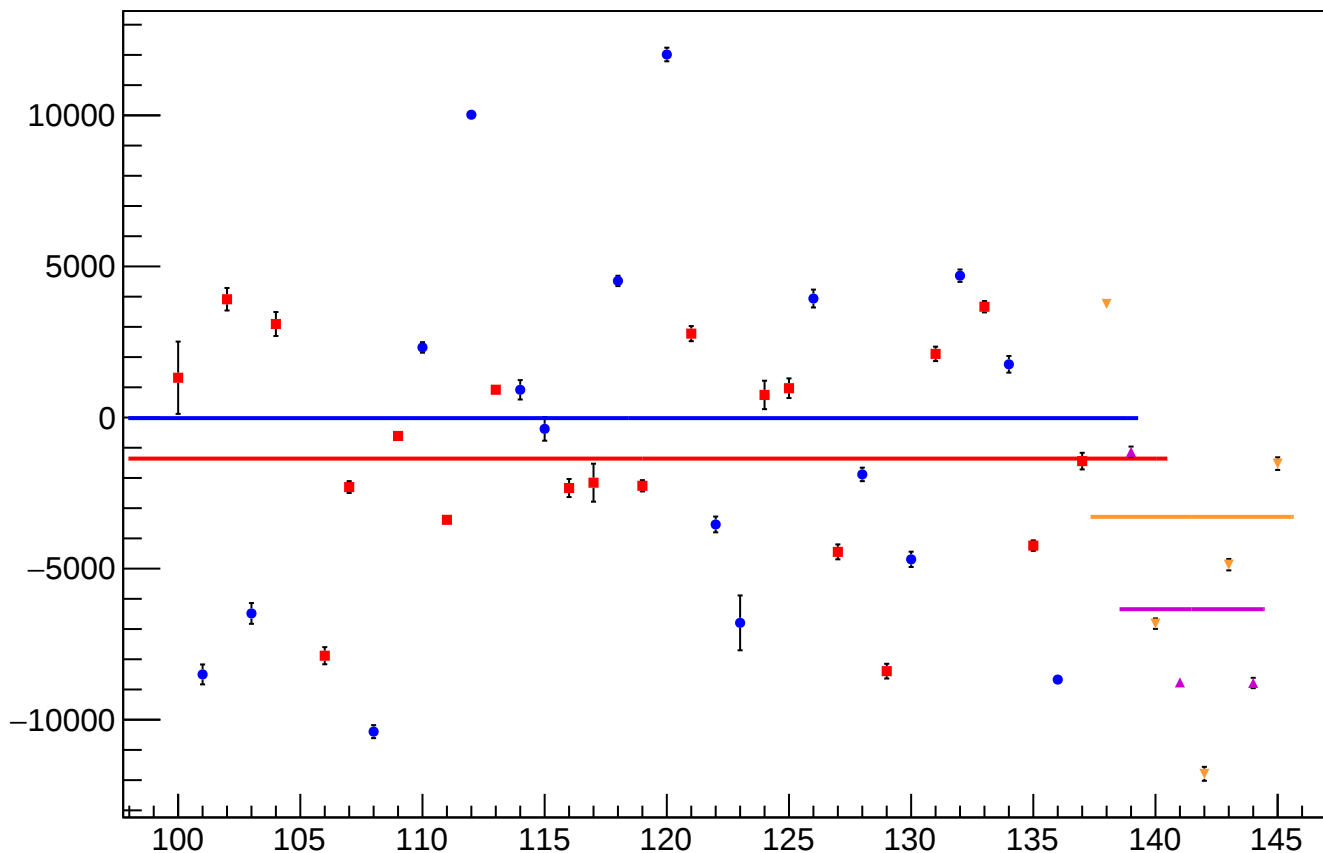
Left In: 98.752 $\pm$ 0.046 χ^2 /NDF: 3816.5/2

97.886 $\pm$ 0.023 χ^2 /NDF: 898597.7/21

96.998 $\pm$ 0.016 χ^2 /NDF: 1769678.1/44

96.100 $\pm$ 0.023 χ^2 /NDF: 868090.6/22

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -19.990 ± 54.643 $\chi^2/\text{NDF}: 16361.0/16$

Left Out: -3287.005 ± 83.720 $\chi^2/\text{NDF}: 3895.2/4$

Right Out: -1359.001 ± 52.186 $\chi^2/\text{NDF}: 3838.8/19$

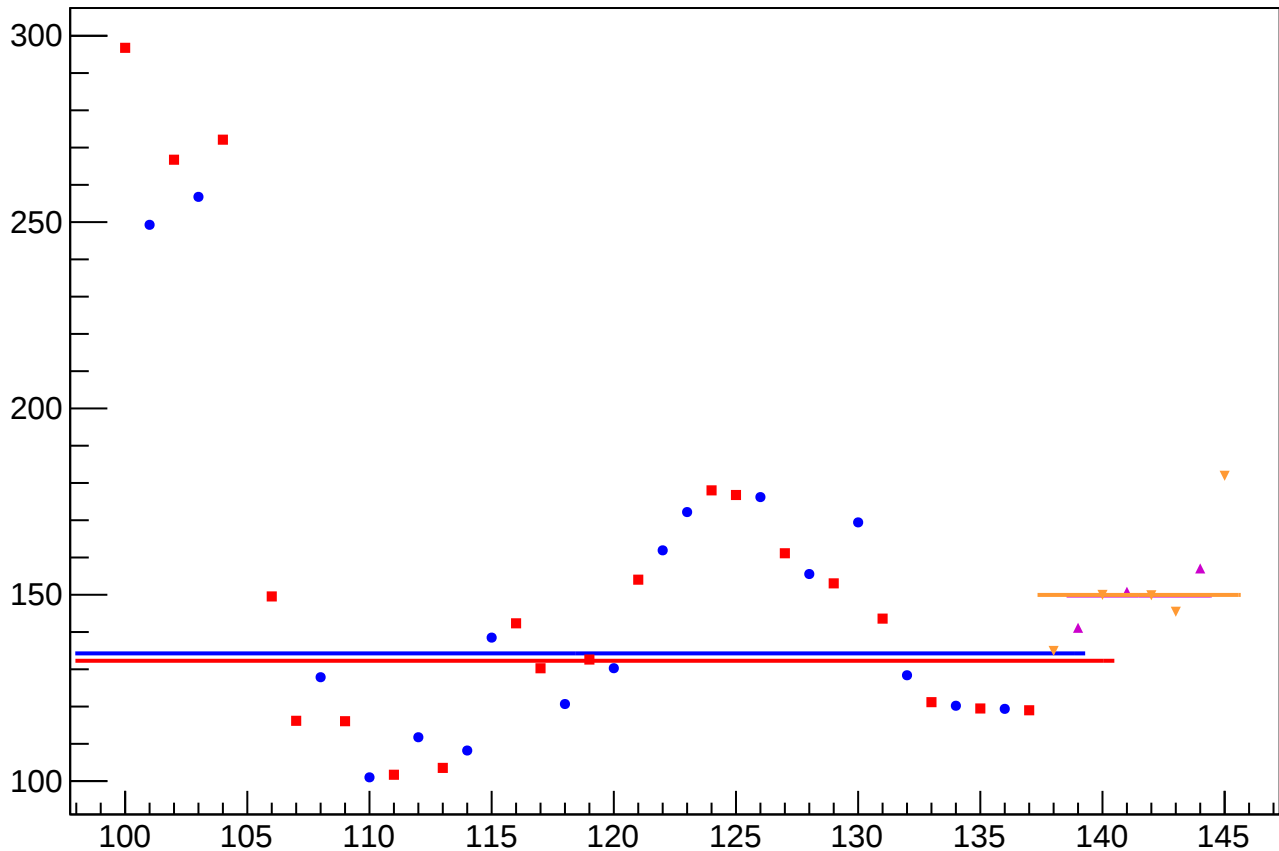
Left In: -6343.116 ± 98.131 $\chi^2/\text{NDF}: 1315.0/2$

-995.977 ± 45.759 $\chi^2/\text{NDF}: 21324.1/21$

-1721.852 ± 32.468 $\chi^2/\text{NDF}: 28995.7/44$

-2457.804 ± 46.076 $\chi^2/\text{NDF}: 7164.7/22$

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

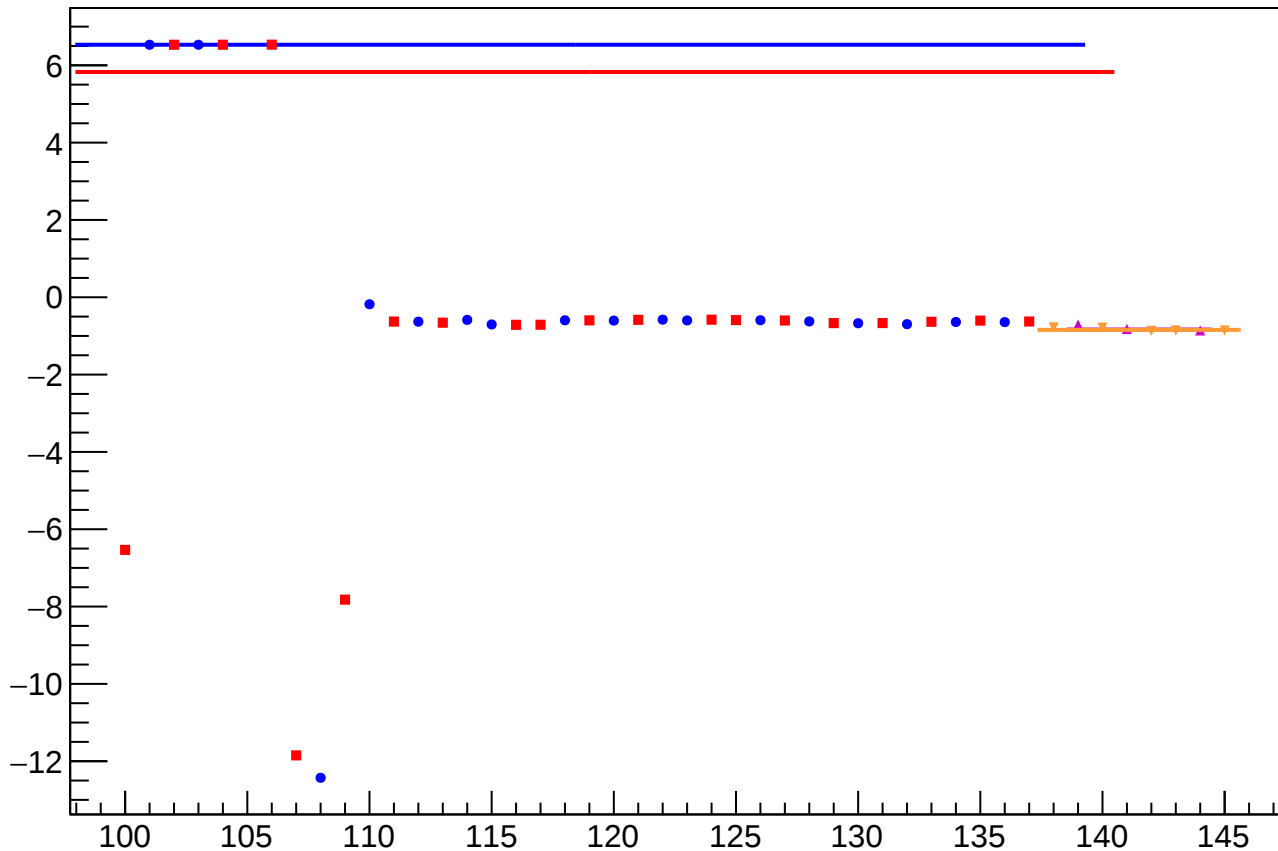
Left In: 149.793 $\pm$ 0.069 χ^2 /NDF: 8642.8/2

138.955 $\pm$ 0.032 χ^2 /NDF: 903634.8/21

137.561 $\pm$ 0.023 χ^2 /NDF: 1835538.2/44

136.147 $\pm$ 0.033 χ^2 /NDF: 928164.4/22

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532 $\pm$ 0.000 χ^2/NDF : 127906780672.7/16

Left Out: -0.843 $\pm$ 0.000 χ^2/NDF : 3112970.0/4

Right Out: 5.827 $\pm$ 0.000 χ^2/NDF : 755949520765363.8/19

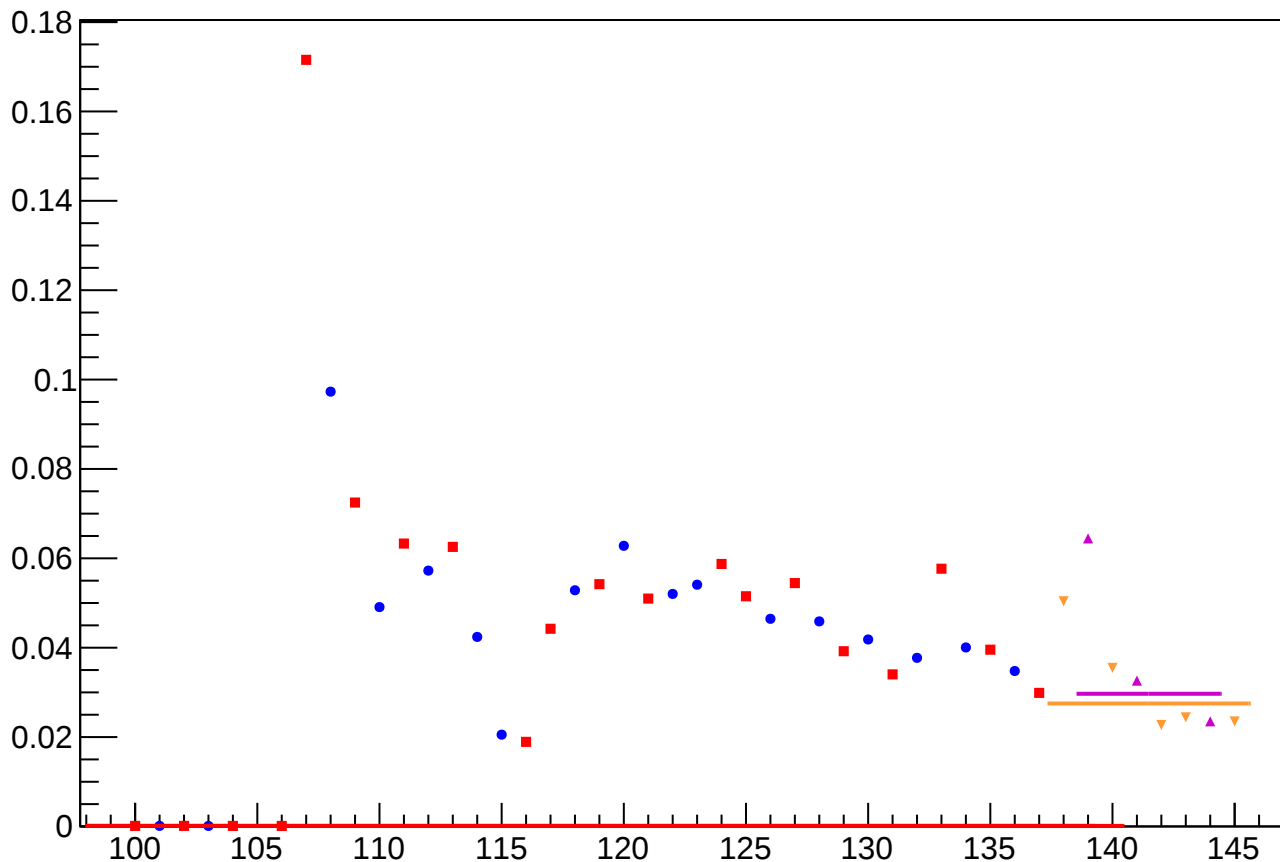
Left In: -0.834 $\pm$ 0.000 χ^2/NDF : 3350375.9/2

6.531 $\pm$ 0.000 χ^2/NDF : 286882242550.4/21

6.155 $\pm$ 0.000 χ^2/NDF : 77631317530977

5.827 $\pm$ 0.000 χ^2/NDF : 756030603513199.8/22

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

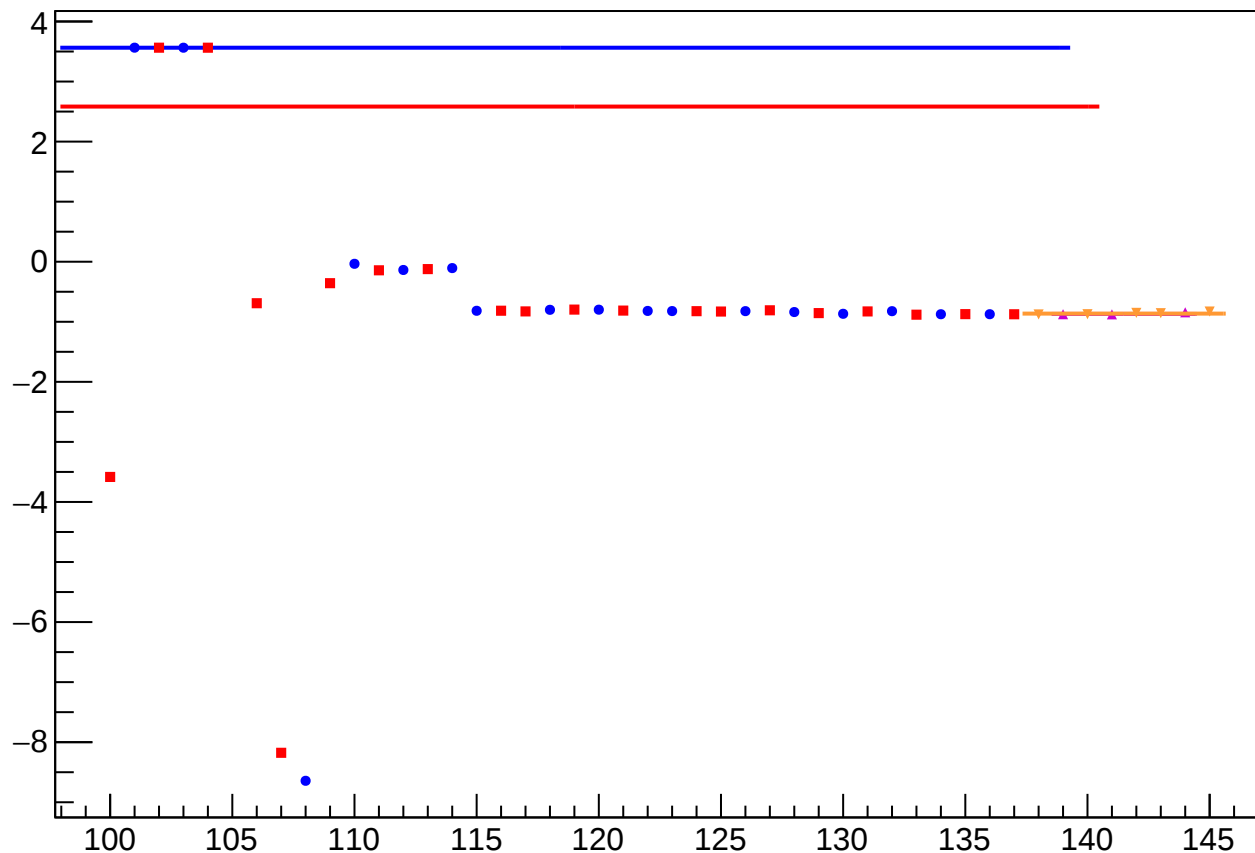
Left In: 0.030+/-0.000 χ^2/NDF : 476856.1/2

0.000+/-0.000 χ^2/NDF : 13791220.1/21

0.000+/-0.000 χ^2/NDF : 26916337.5/44

0.000+/-0.000 χ^2/NDF : 13124732.0/22

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

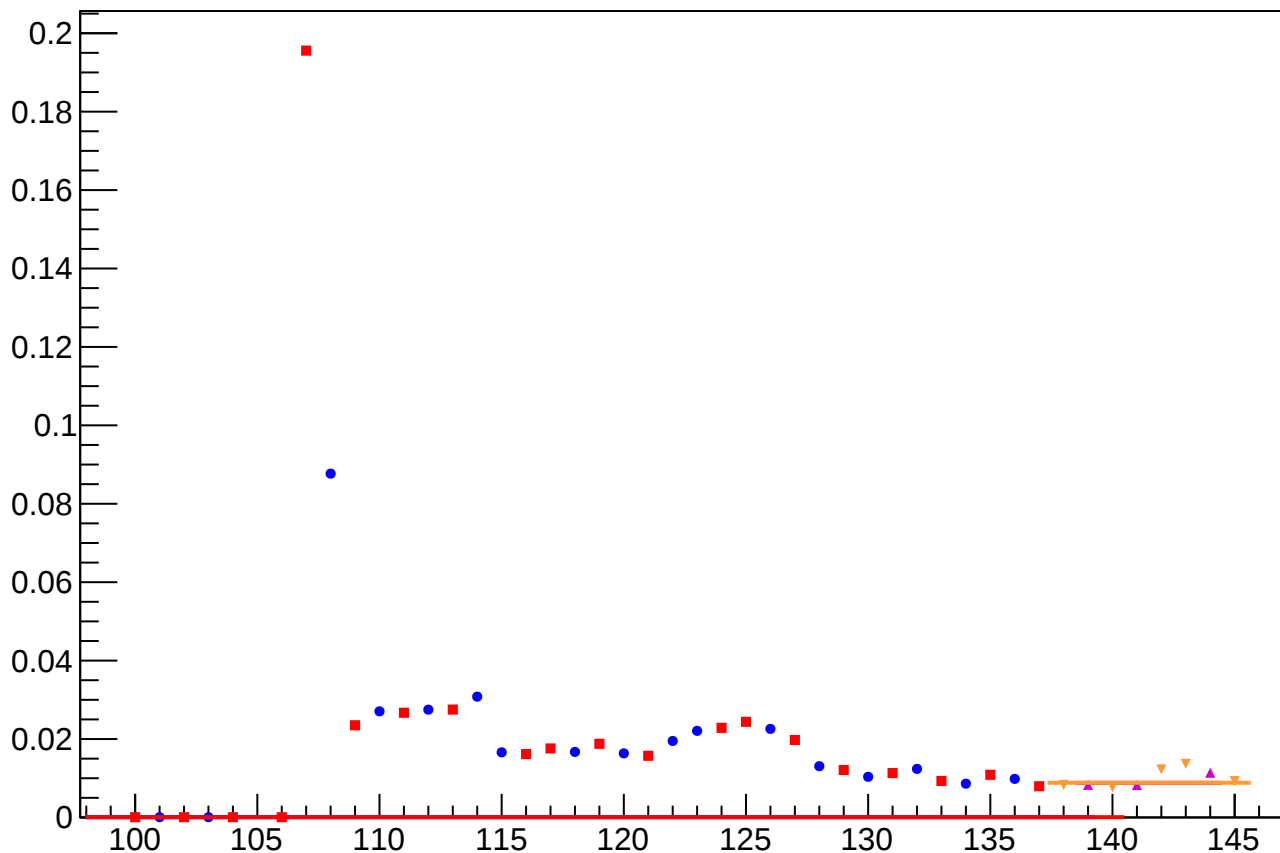
Left In: -0.870+/-0.000 χ^2/NDF : 4001922.0/2

3.563+/-0.000 χ^2/NDF : 1149899121613.5/21

3.040+/-0.000 χ^2/NDF : 13831749721775

2.583+/-0.000 χ^2/NDF : 1253814285822305.2/2

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

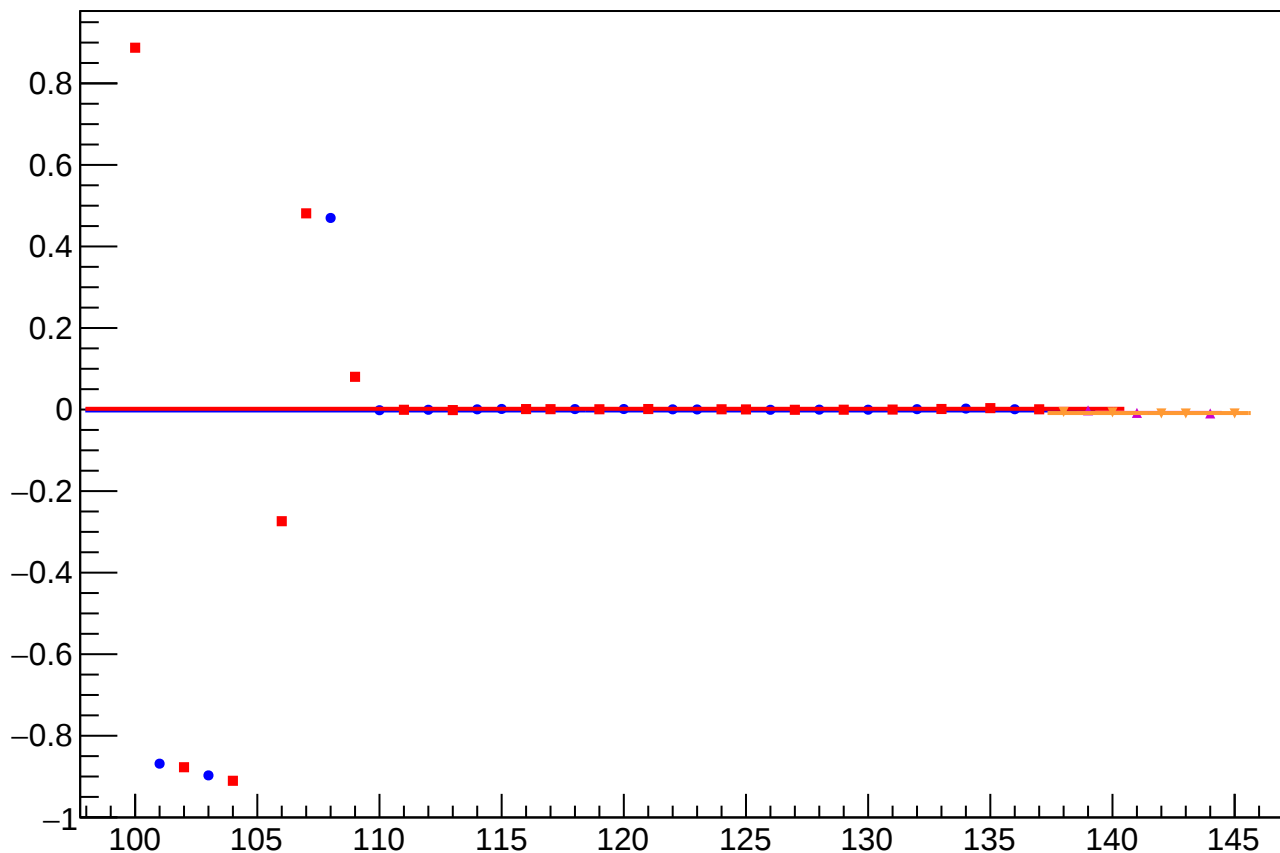
Left In: 0.009 +/- 0.000 χ^2/NDF : 70566.4/2

0.000 +/- 0.000 χ^2/NDF : 15257049.5/21

0.000 +/- 0.000 χ^2/NDF : 29244101.6/44

0.000 +/- 0.000 χ^2/NDF : 13986515.7/22

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

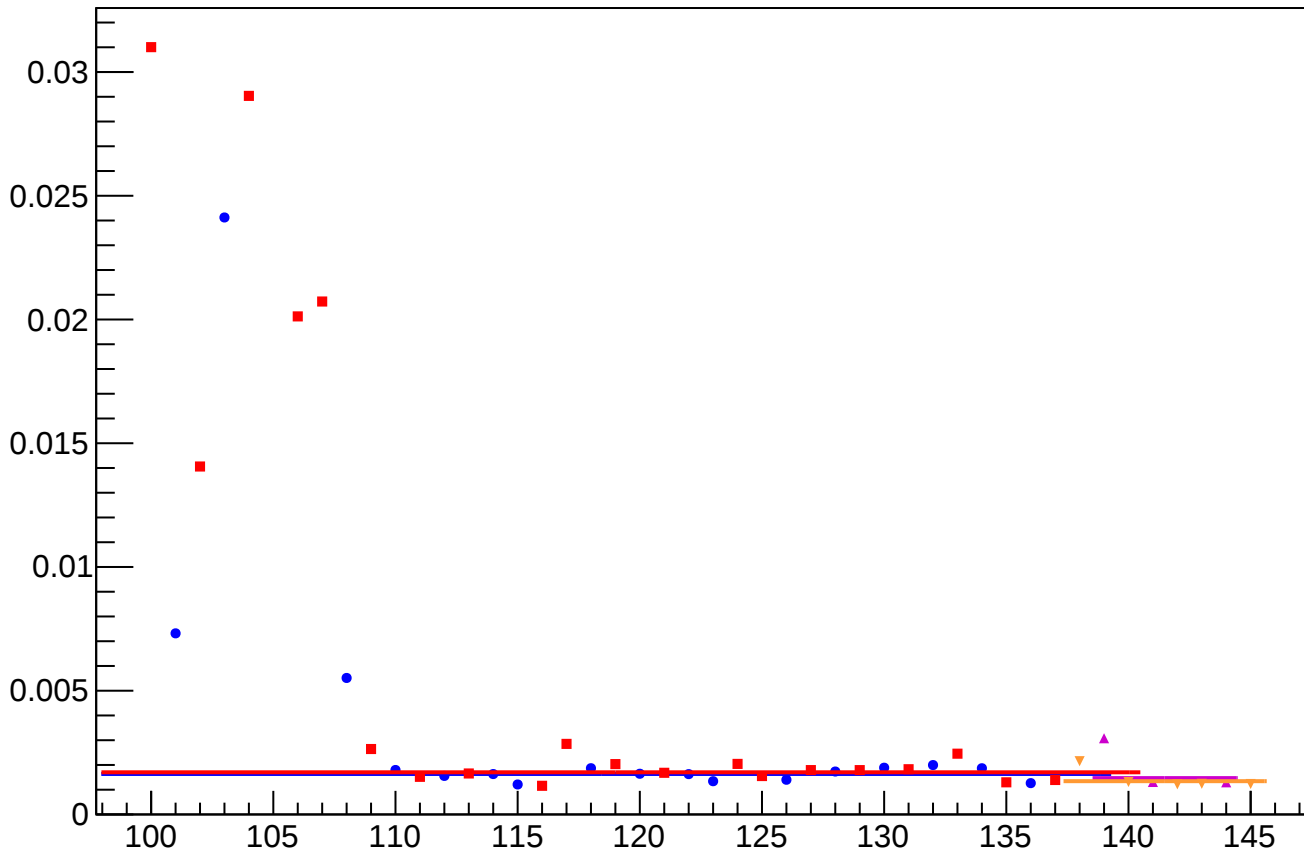
Left In: -0.008+/-0.000 χ^2/NDF : 3363279.1/2

-0.005+/-0.000 χ^2/NDF : 9826357604.4/21

-0.003+/-0.000 χ^2/NDF : 12938753477.2/4

-0.002+/-0.000 χ^2/NDF : 3097045260.1/22

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

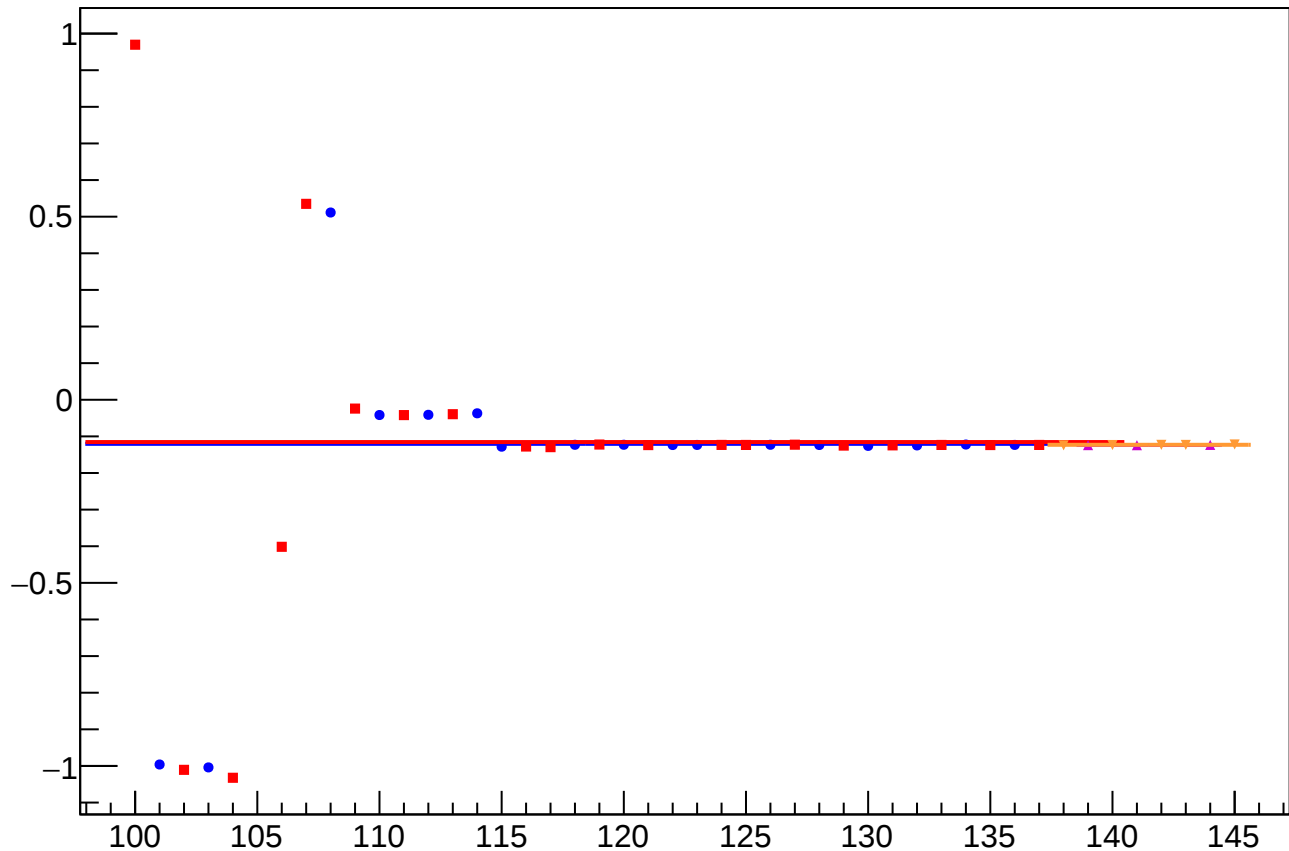
Left In: 0.001 +/- 0.000 χ^2/NDF : 407287.4/2

0.002 +/- 0.000 χ^2/NDF : 2230747.3/21

0.002 +/- 0.000 χ^2/NDF : 5766322.2/44

0.002 +/- 0.000 χ^2/NDF : 3502799.9/22

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

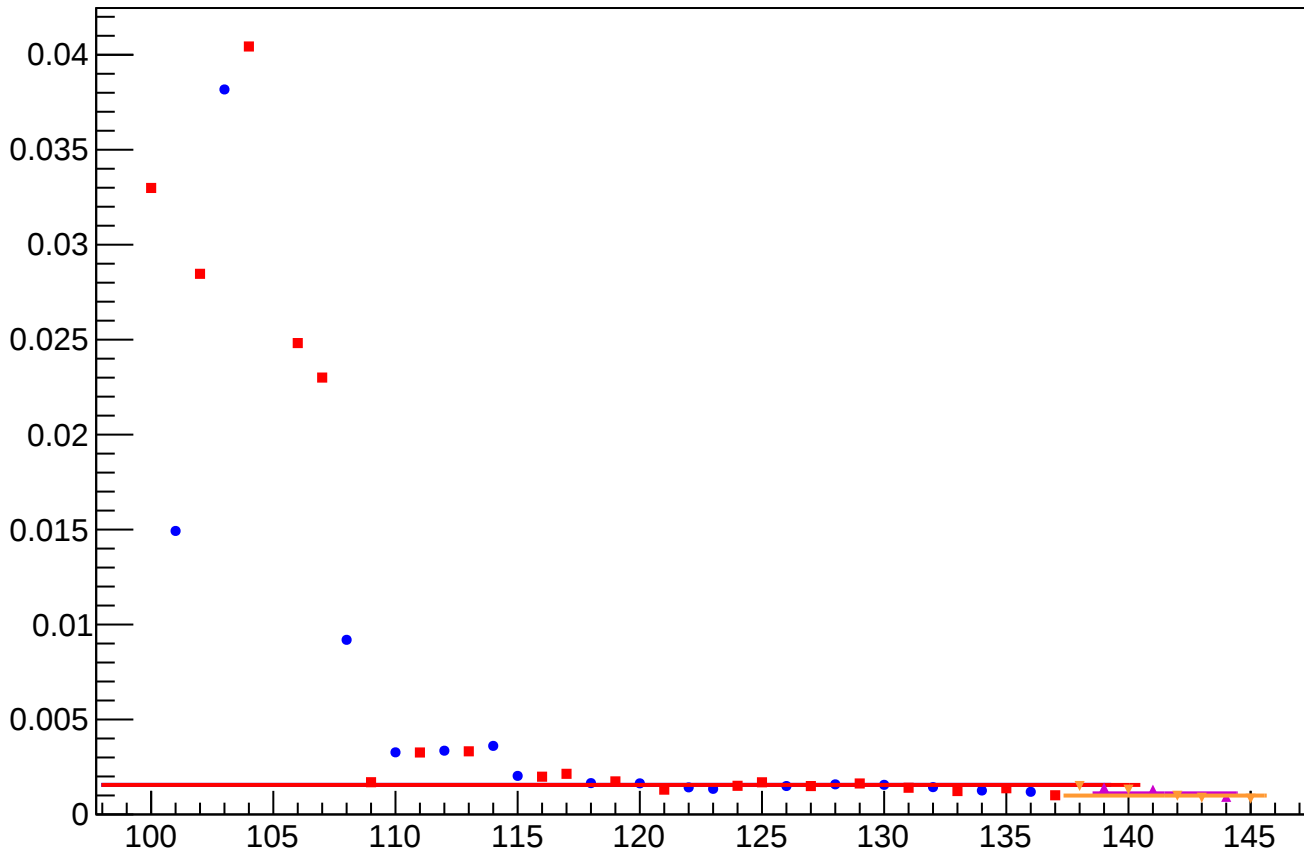
Left In: -0.124+/-0.000 χ^2/NDF : 239091.2/2

-0.122+/-0.000 χ^2/NDF : 3941943165.2/21

-0.121+/-0.000 χ^2/NDF : 6473381564.0/4

-0.119+/-0.000 χ^2/NDF : 2516732571.6/22

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

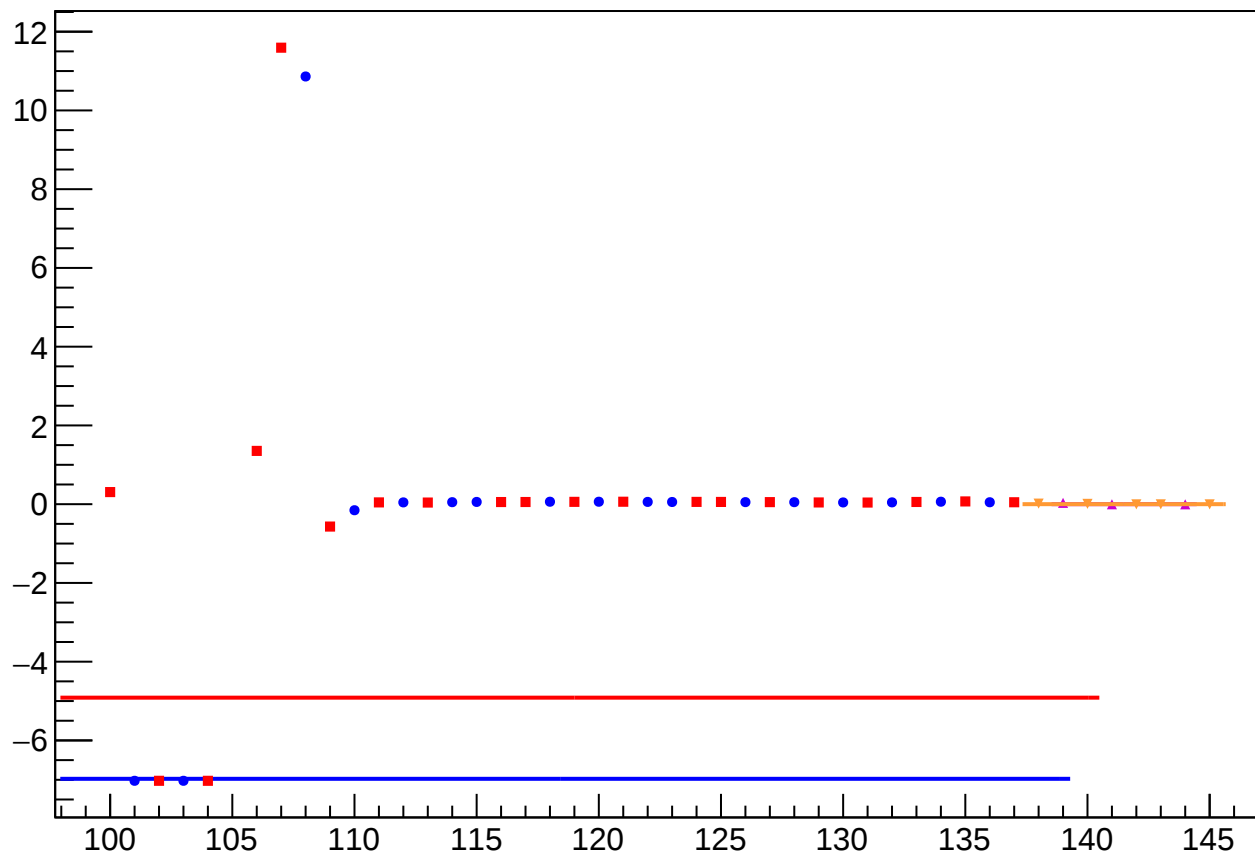
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 151916.0/2

0.001 $\pm$ 0.000 χ^2 /NDF: 3929189.6/21

0.001 $\pm$ 0.000 χ^2 /NDF: 8045797.7/44

0.001 $\pm$ 0.000 χ^2 /NDF: 4047830.5/22

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

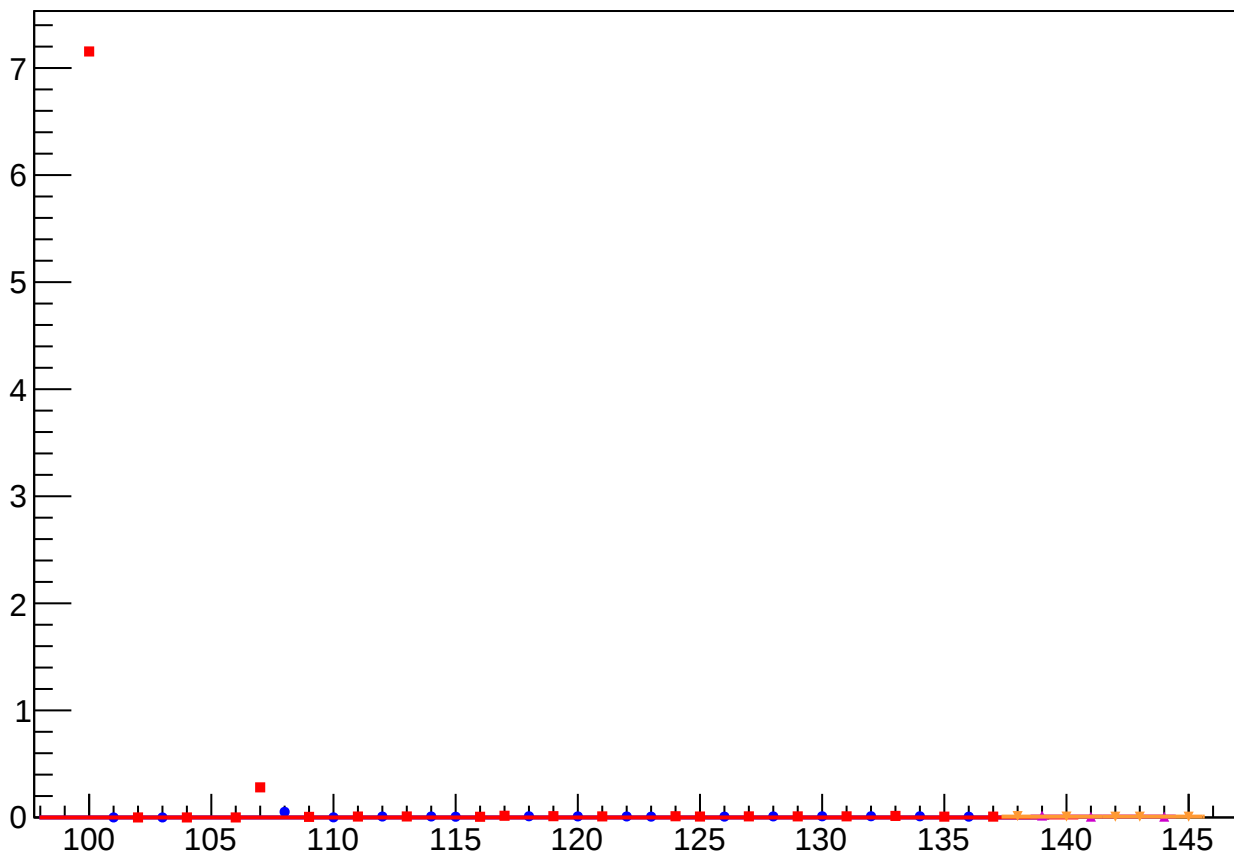
Left In: 0.000+/-0.000 χ^2/NDF : 2636832.8/2

-6.965+/-0.000 χ^2/NDF : 10539055921772.8/21

-5.893+/-0.000 χ^2/NDF : 43240072360950

-4.910+/-0.000 χ^2/NDF : 365922371703678.2/2

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

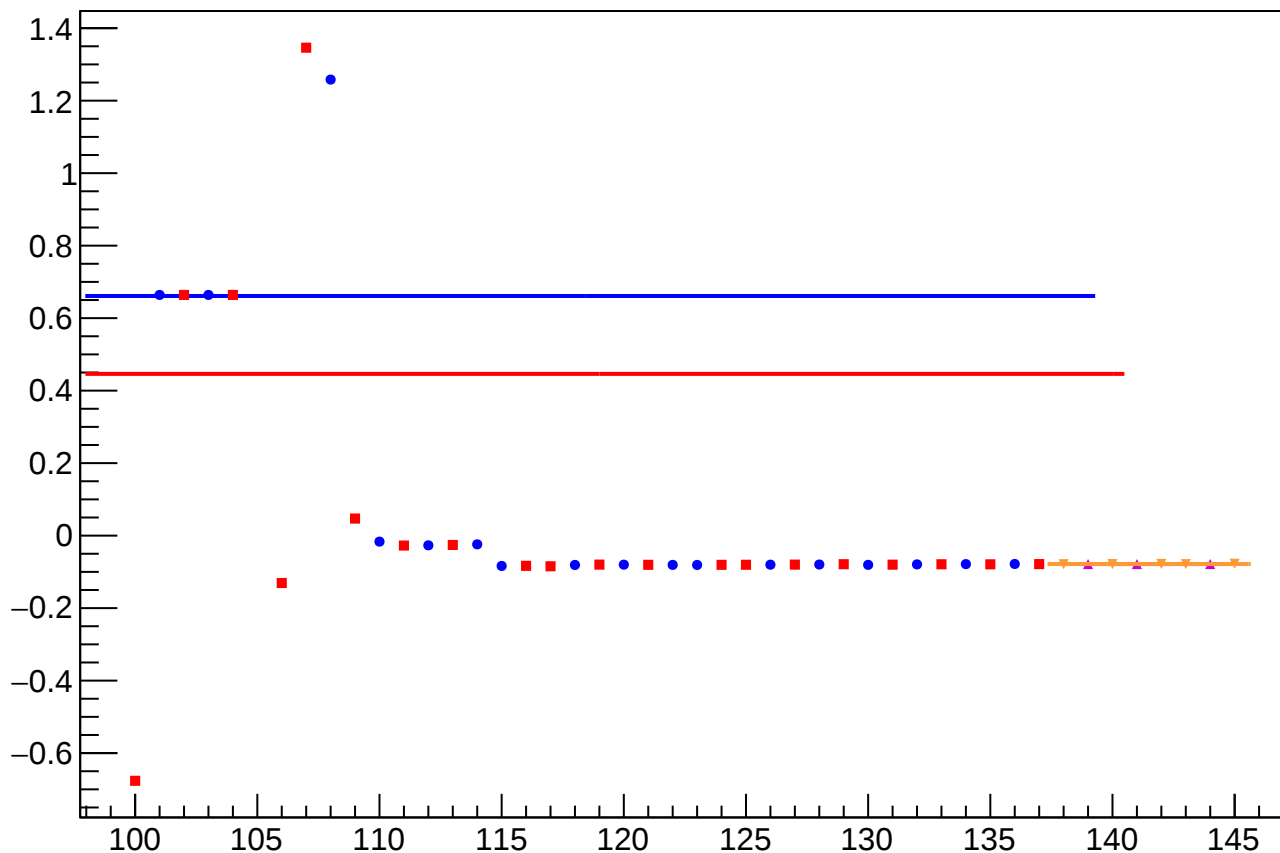
Left In: 0.009+/-0.000 χ^2/NDF :401683.5/2

0.000+/-0.000 χ^2/NDF : 12907082.2/21

0.000+/-0.000 χ^2/NDF : 25410806.7/44

0.000+/-0.000 χ^2/NDF : 12502229.5/22

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

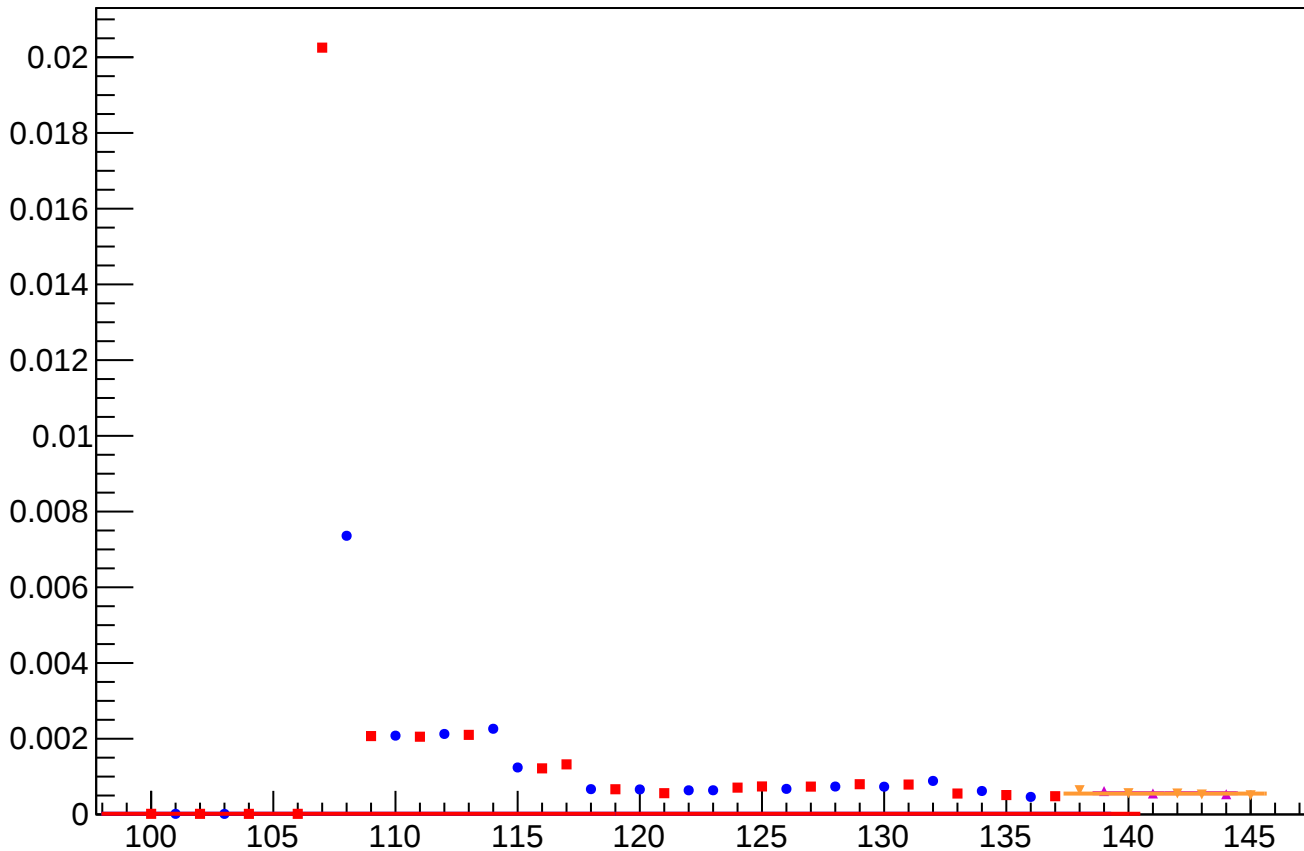
Left In: -0.078+/-0.000 χ^2/NDF : 7541.4/2

0.658+/-0.000 χ^2/NDF : 11259835651894.0/21

0.547+/-0.000 χ^2/NDF : 48086233681328

0.445+/-0.000 χ^2/NDF : 407409644723760.6/22

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

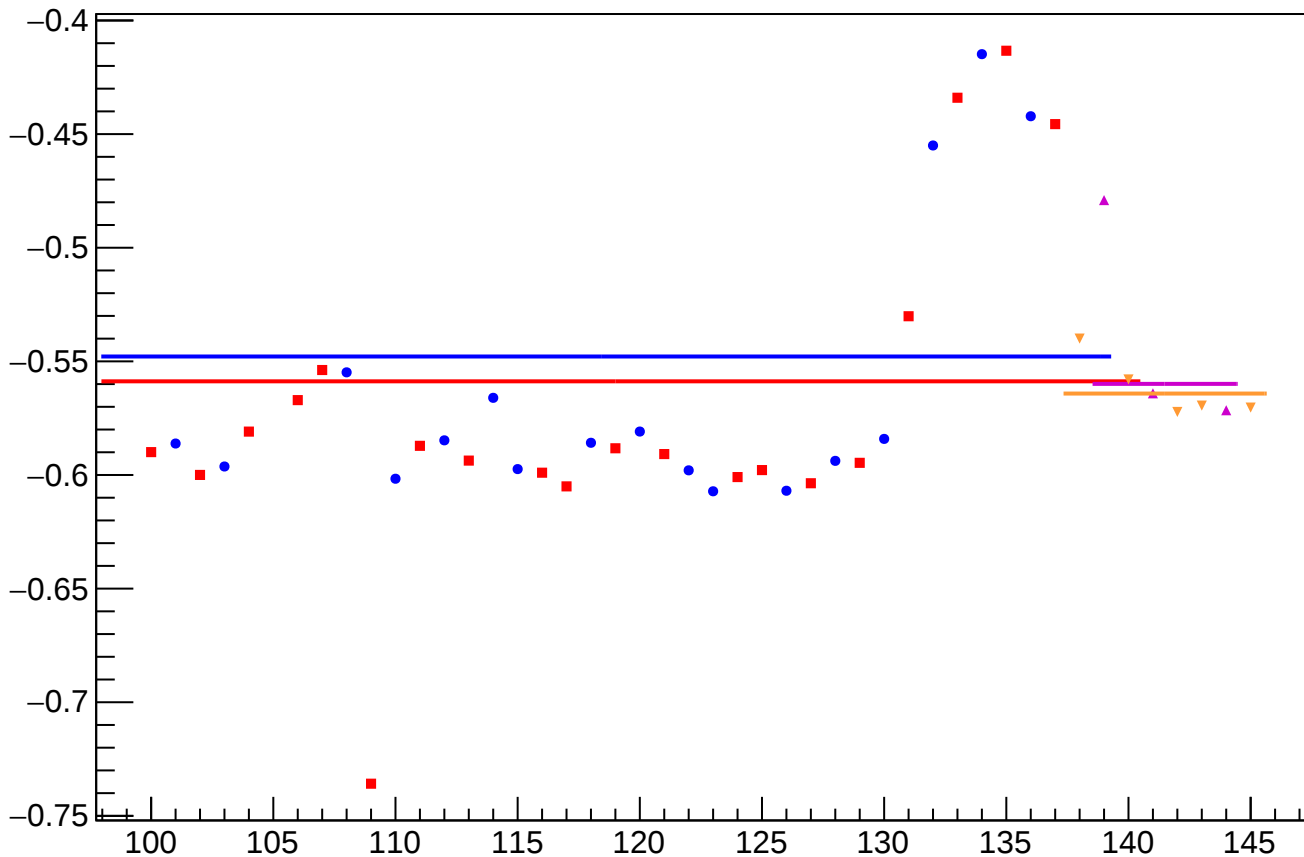
Left In: 0.001+/-0.000 χ^2/NDF : 15180.5/2

0.000+/-0.000 χ^2/NDF : 15835360.4/21

0.000+/-0.000 χ^2/NDF : 29669478.7/44

0.000+/-0.000 χ^2/NDF : 13832413.7/22

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

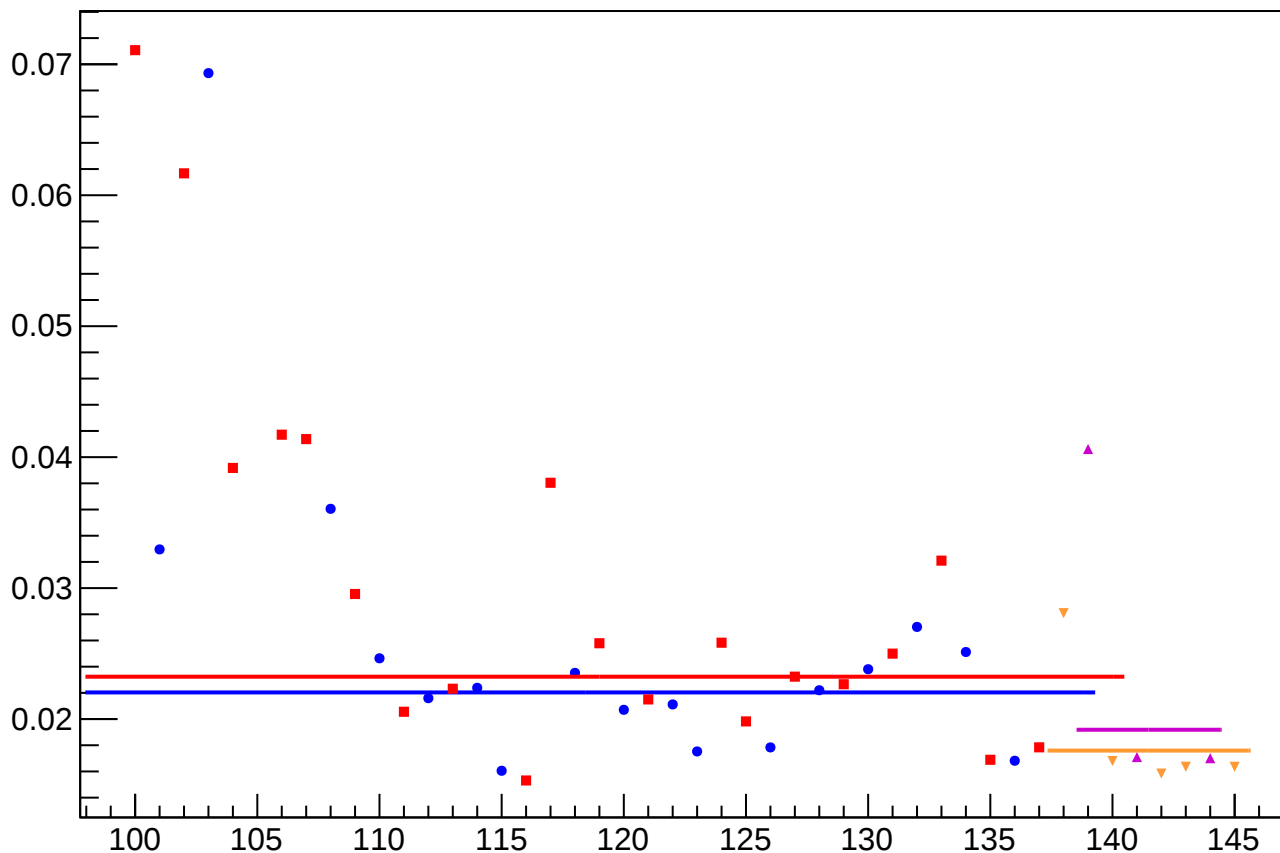
Left In: -0.560+/-0.000 χ^2/NDF : 3003727.6/2

-0.555+/-0.000 χ^2/NDF : 50427371.8/21

-0.557+/-0.000 χ^2/NDF : 119346372.5/44

-0.559+/-0.000 χ^2/NDF : 68749454.7/22

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022 $\pm$ 0.000 χ^2/NDF : 958966.6/16

Left Out: 0.018 $\pm$ 0.000 χ^2/NDF : 184996.4/4

Right Out: 0.023 $\pm$ 0.000 χ^2/NDF : 1169205.3/19

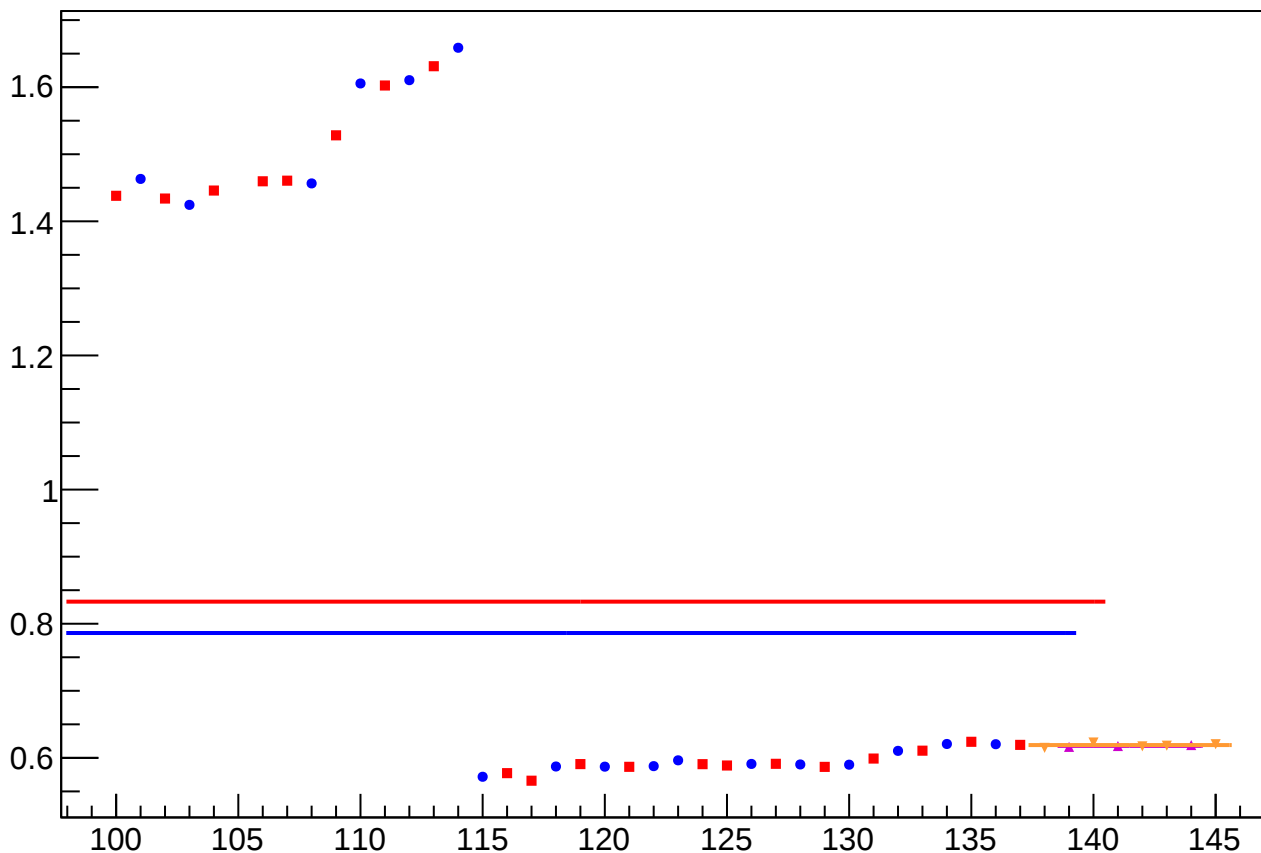
Left In: 0.019 $\pm$ 0.000 χ^2/NDF : 414179.4/2

0.020 $\pm$ 0.000 χ^2/NDF : 1313555.3/21

0.021 $\pm$ 0.000 χ^2/NDF : 3047957.3/44

0.022 $\pm$ 0.000 χ^2/NDF : 1685602.7/22

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

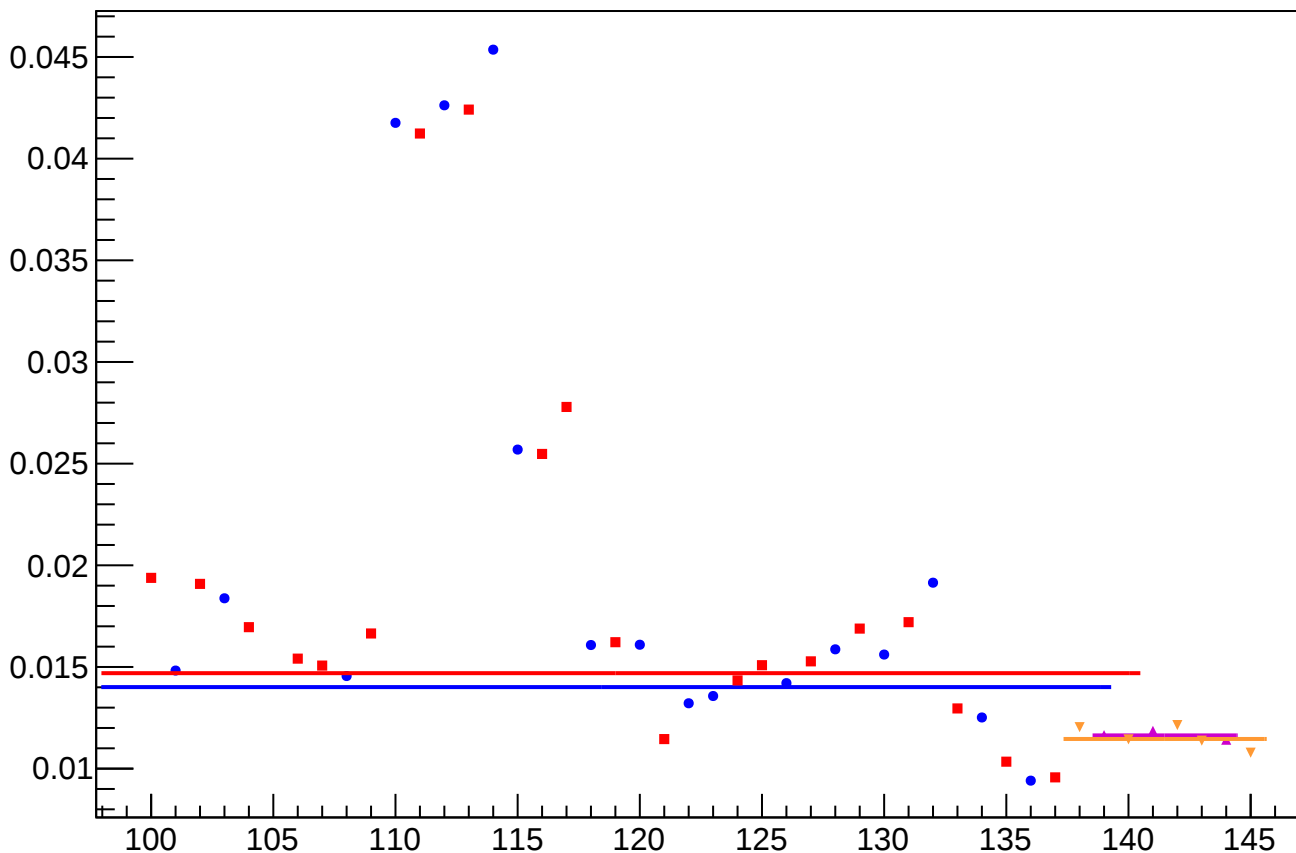
Left In: 0.618 $\pm$ 0.000 χ^2 /NDF:20437.3/2

0.710 $\pm$ 0.000 χ^2 /NDF: 3958153346.8/21

0.729 $\pm$ 0.000 χ^2 /NDF: 8650278825.7/44

0.752 $\pm$ 0.000 χ^2 /NDF: 4650193579.2/22

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

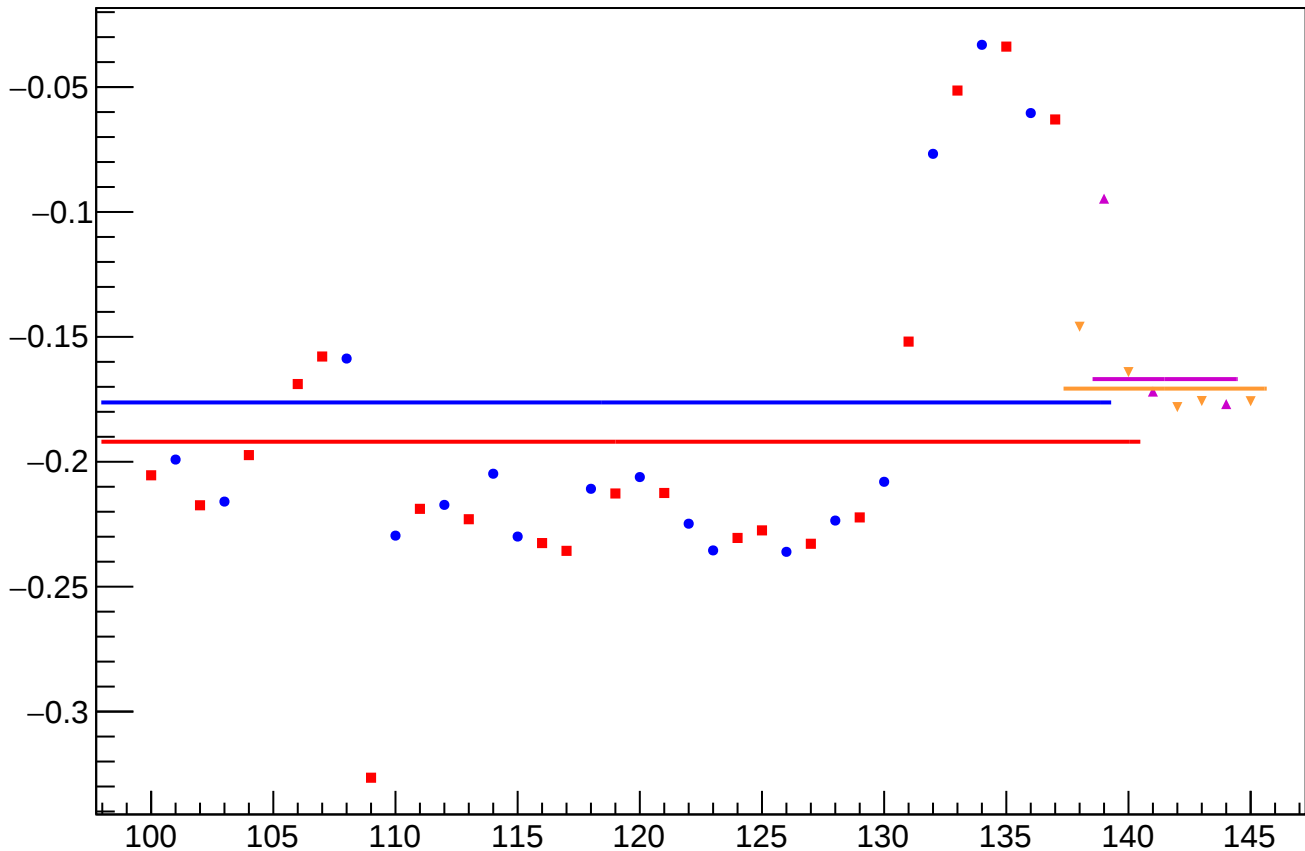
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:1153.3/2

0.013 $\pm$ 0.000 χ^2 /NDF: 1588157.5/21

0.013 $\pm$ 0.000 χ^2 /NDF: 3091296.0/44

0.014 $\pm$ 0.000 χ^2 /NDF: 1480002.0/22

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

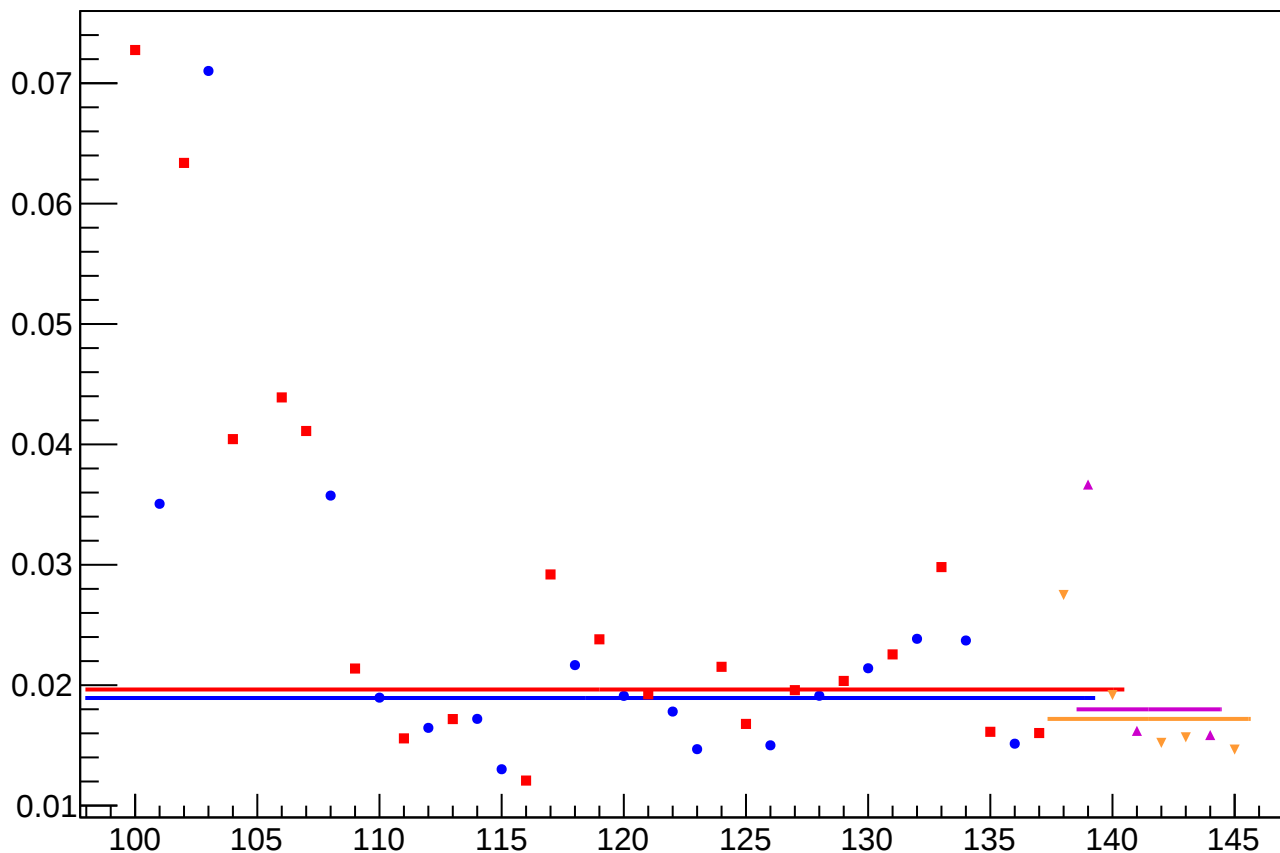
Left In: -0.167+/-0.000 χ^2/NDF : 2926740.9/2

-0.174+/-0.000 χ^2/NDF : 71036505.0/21

-0.179+/-0.000 χ^2/NDF : 161404116.3/44

-0.185+/-0.000 χ^2/NDF : 89207533.7/22

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019 $\pm$ 0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.017 $\pm$ 0.000 χ^2/NDF : 235605.2/4

Right Out: 0.020 $\pm$ 0.000 χ^2/NDF : 1466285.9/19

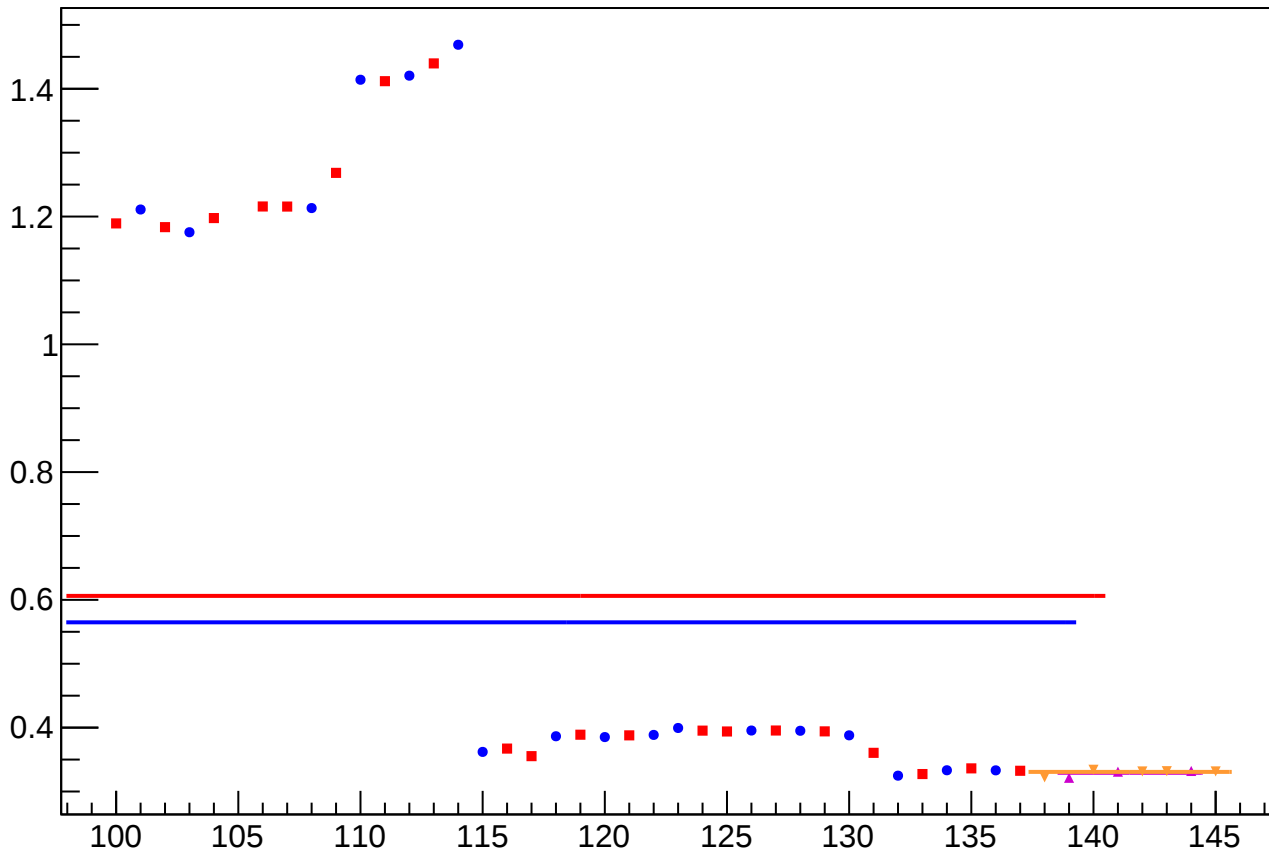
Left In: 0.018 $\pm$ 0.000 χ^2/NDF : 387386.9/2

0.018 $\pm$ 0.000 χ^2/NDF : 1471841.2/21

0.019 $\pm$ 0.000 χ^2/NDF : 3361501.3/44

0.019 $\pm$ 0.000 χ^2/NDF : 1874265.9/22

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

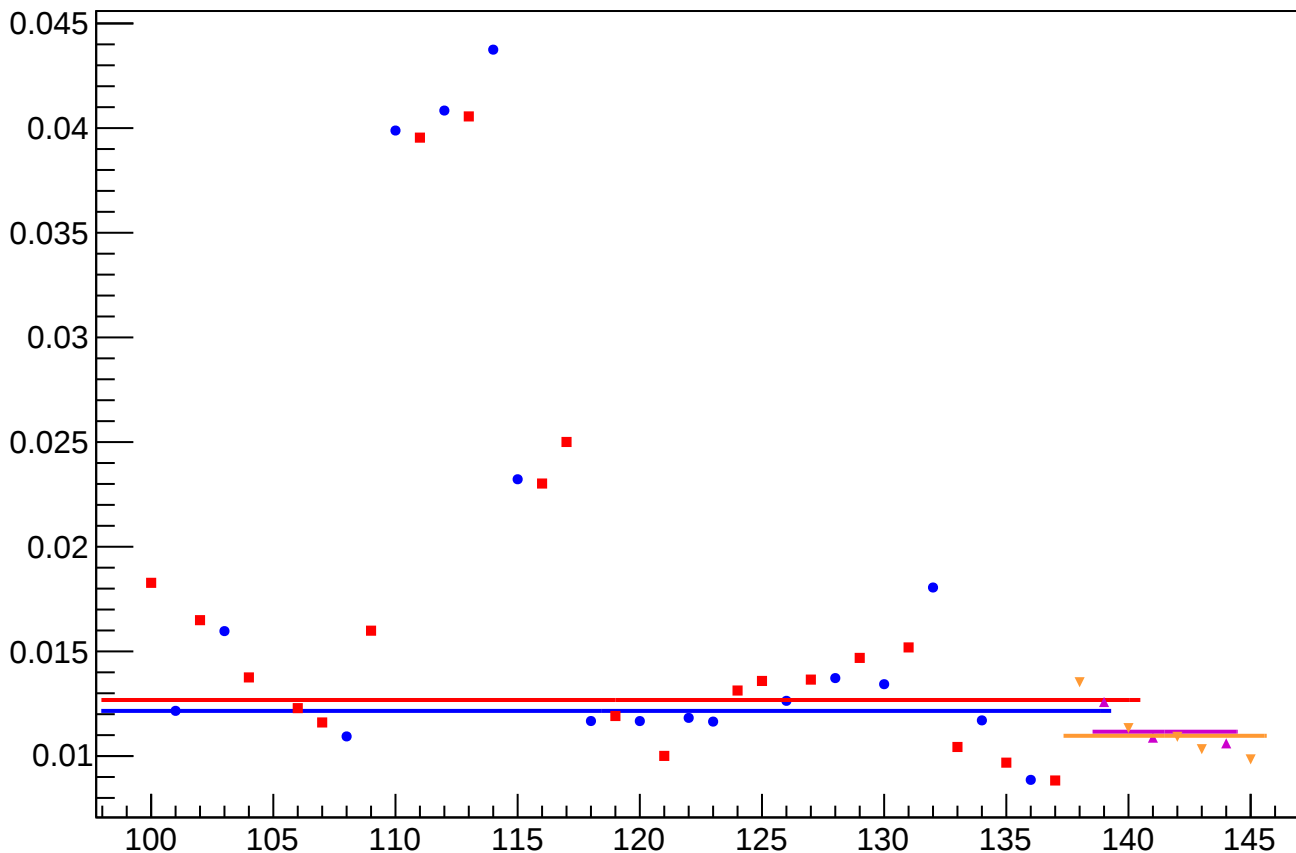
Left In: 0.329+/-0.000 χ^2/NDF : 335633.9/2

0.471+/-0.000 χ^2/NDF : 5877826096.3/21

0.491+/-0.000 χ^2/NDF : 12386276933.8/4

0.515+/-0.000 χ^2/NDF : 6450324553.4/22

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

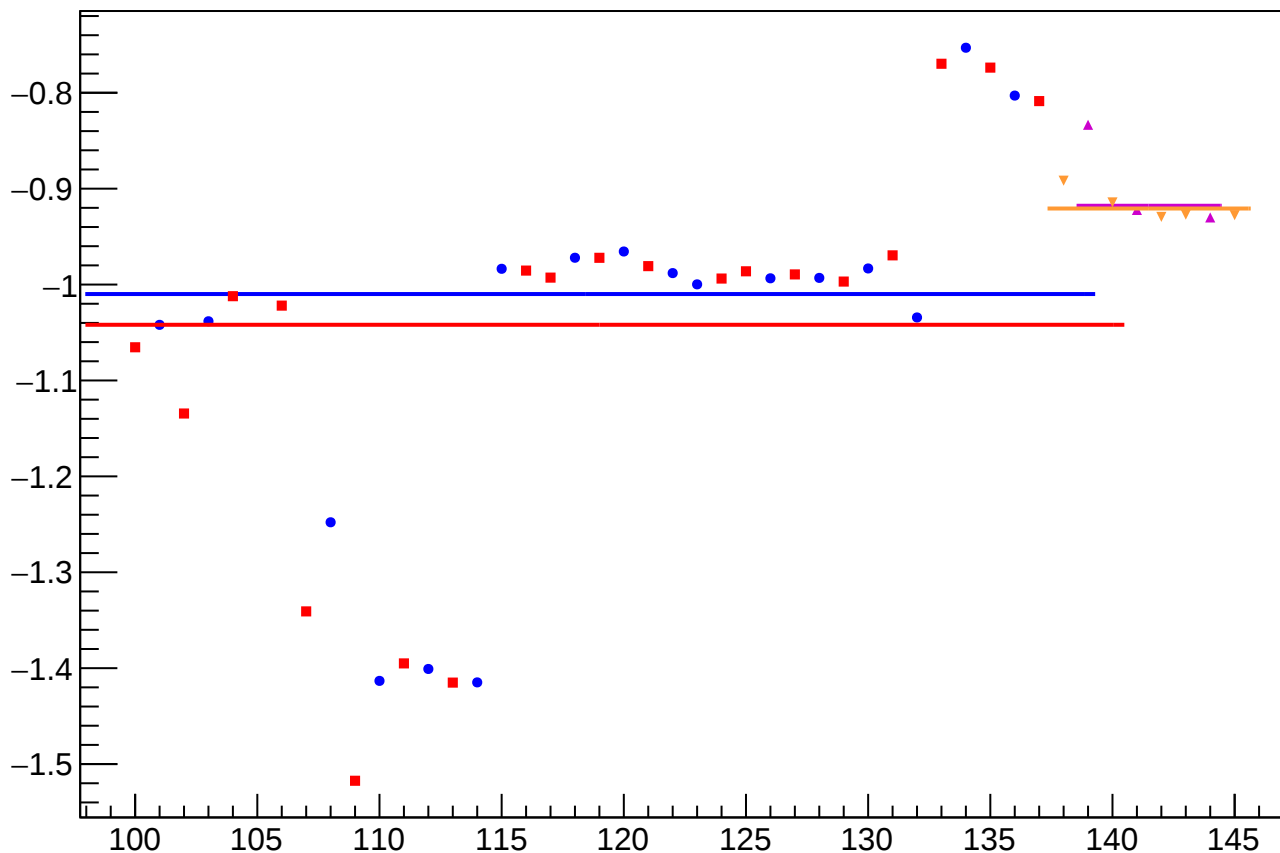
Left In: 0.011+/-0.000 χ^2/NDF : 22417.4/2

0.012+/-0.000 χ^2/NDF : 1428931.4/21

0.012+/-0.000 χ^2/NDF : 2811428.4/44

0.012+/-0.000 χ^2/NDF : 1367680.5/22

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.010+/-0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.921+/-0.000 χ^2/NDF : 999677.6/4

Right Out: -1.042+/-0.000 χ^2/NDF : 530175104.2/19

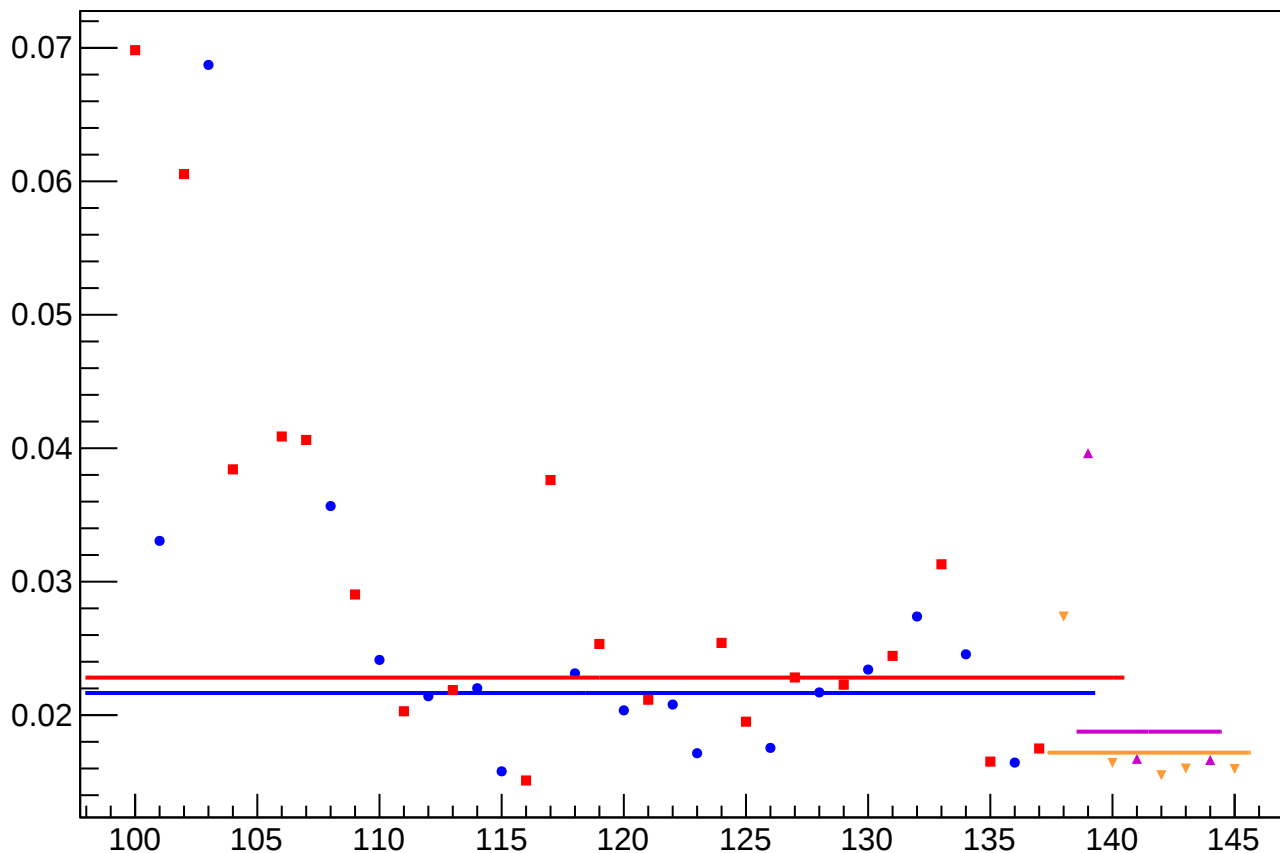
Left In: -0.918+/-0.000 χ^2/NDF : 3442983.1/2

-0.973+/-0.000 χ^2/NDF : 424306809.6/21

-0.986+/-0.000 χ^2/NDF : 1015280688.6/4

-1.003+/-0.000 χ^2/NDF : 583670744.0/22

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

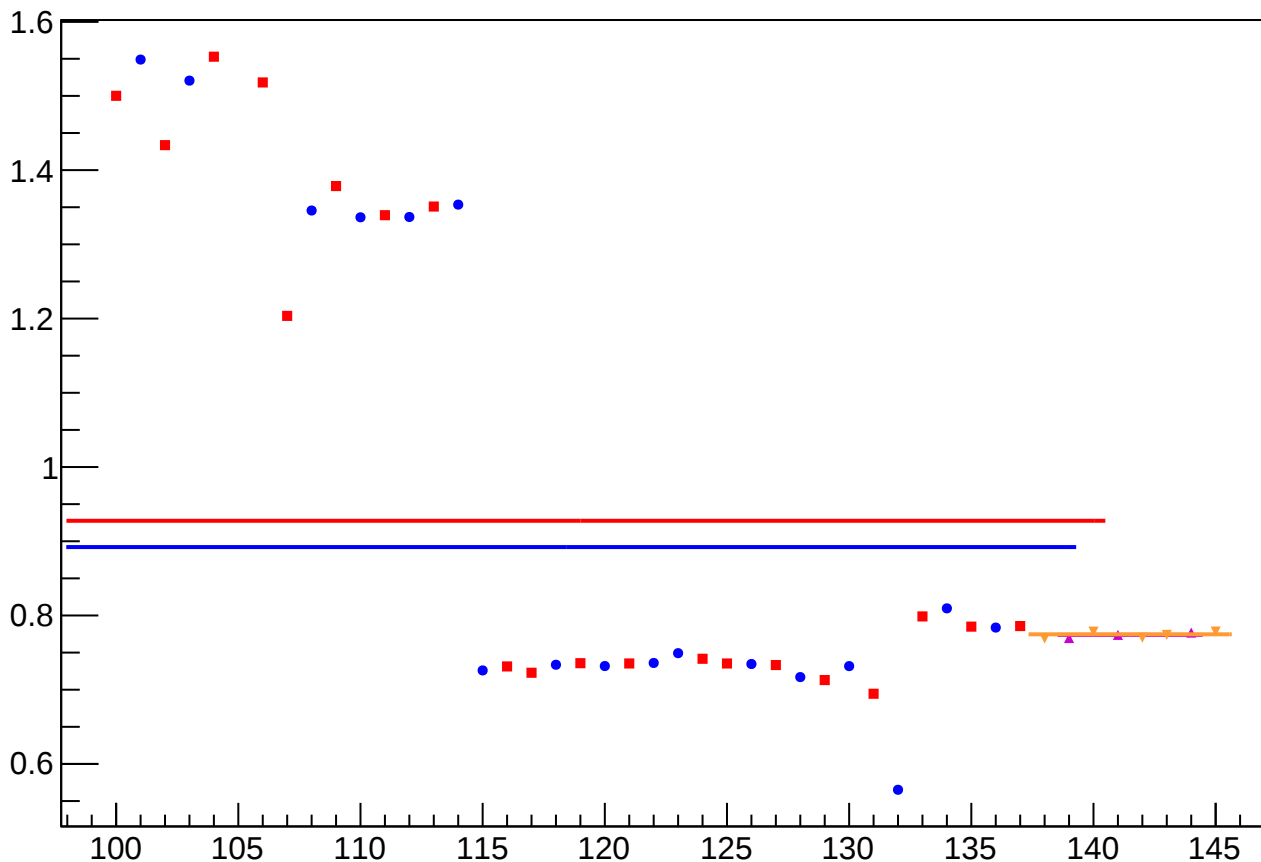
Left In: 0.019+/-0.000 χ^2/NDF :412527.3/2

0.020+/-0.000 χ^2/NDF : 1346267.4/21

0.021+/-0.000 χ^2/NDF : 3079542.6/44

0.022+/-0.000 χ^2/NDF : 1684293.3/22

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

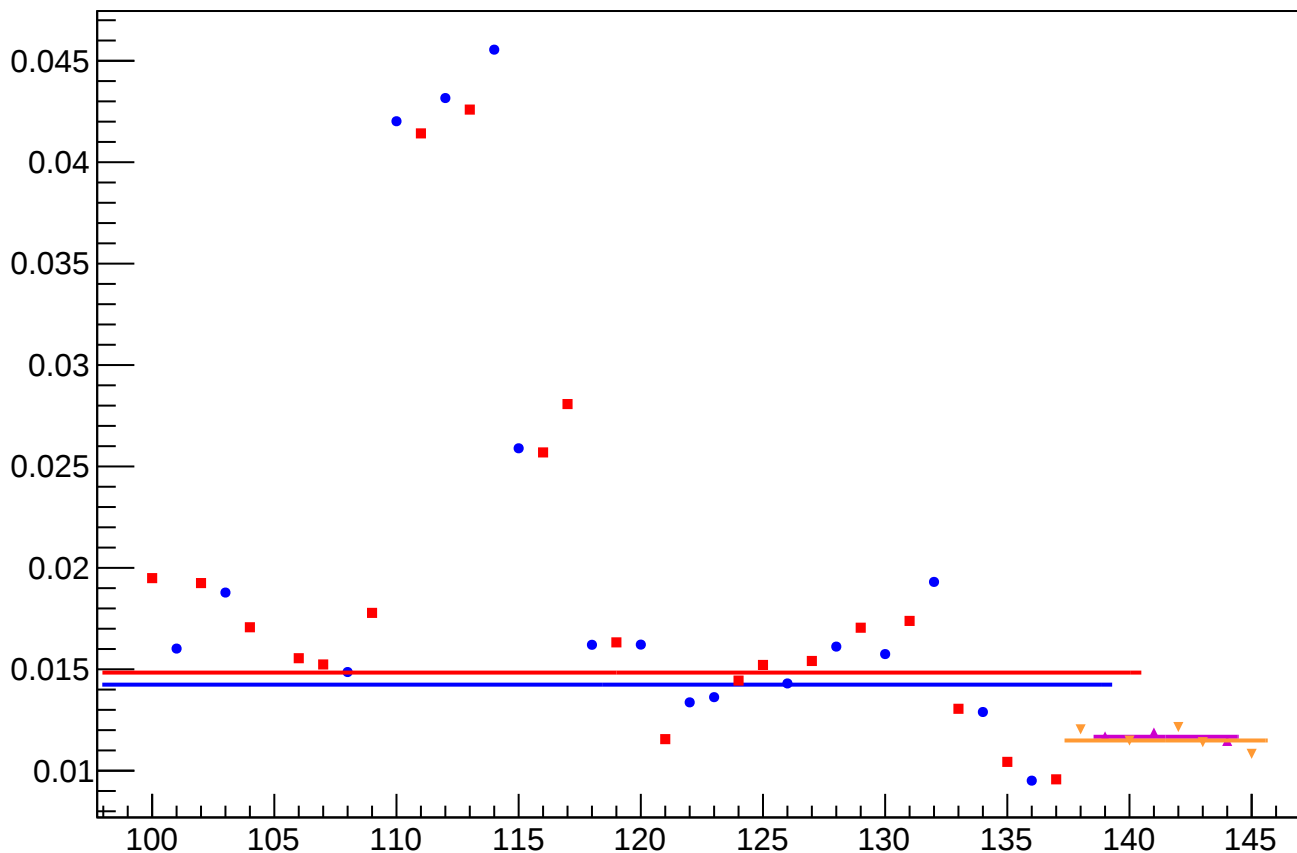
Left In: 0.774 $\pm$ 0.000 χ^2/NDF : 147642.0/2

0.838 $\pm$ 0.000 χ^2/NDF : 2592498790.6/21

0.852 $\pm$ 0.000 χ^2/NDF : 5302622621.0/44

0.869 $\pm$ 0.000 χ^2/NDF : 2686962431.5/22

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1415681.3/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 10921.3/4

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1291174.0/19

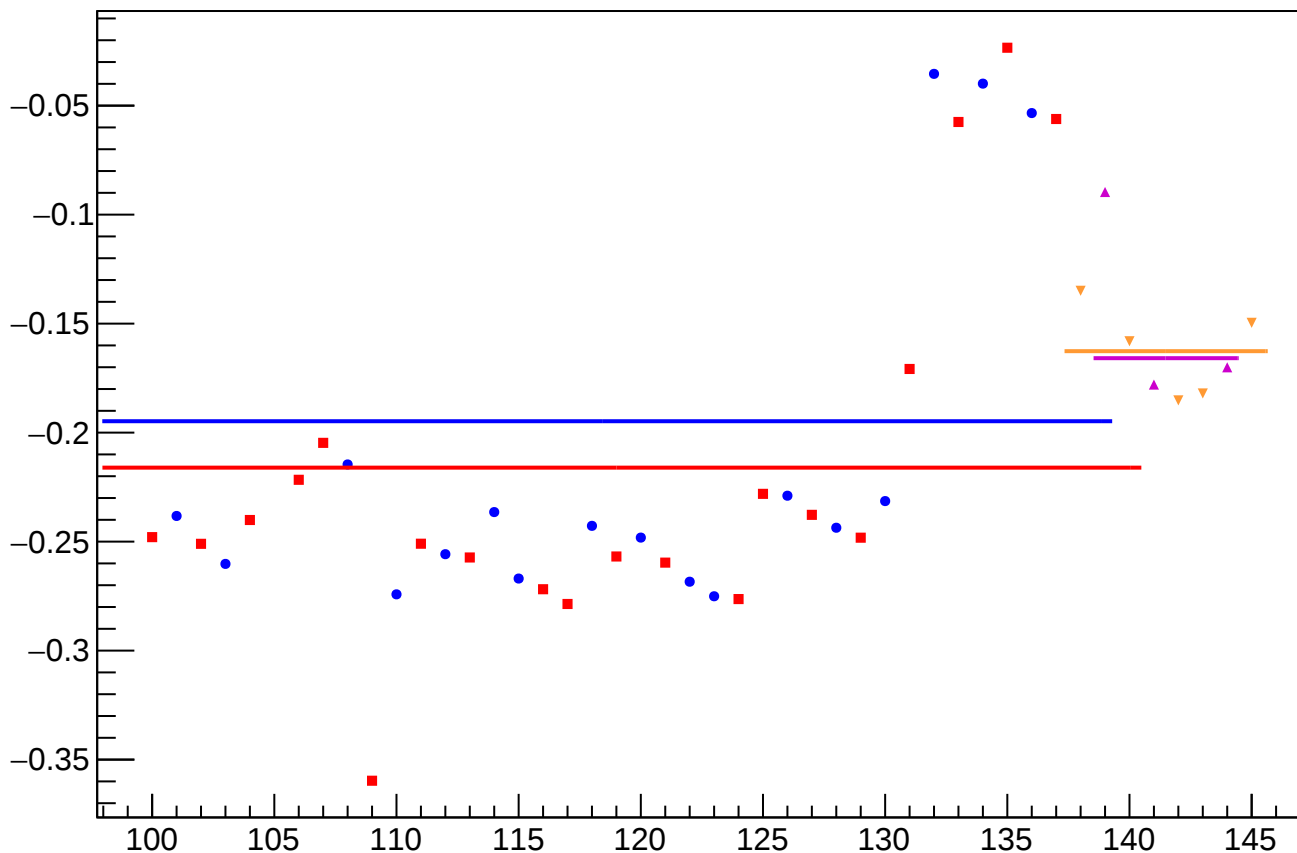
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 1033.3/2

0.013 $\pm$ 0.000 χ^2/NDF : 1622285.0/21

0.013 $\pm$ 0.000 χ^2/NDF : 3144743.0/44

0.014 $\pm$ 0.000 χ^2/NDF : 1501560.4/22

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

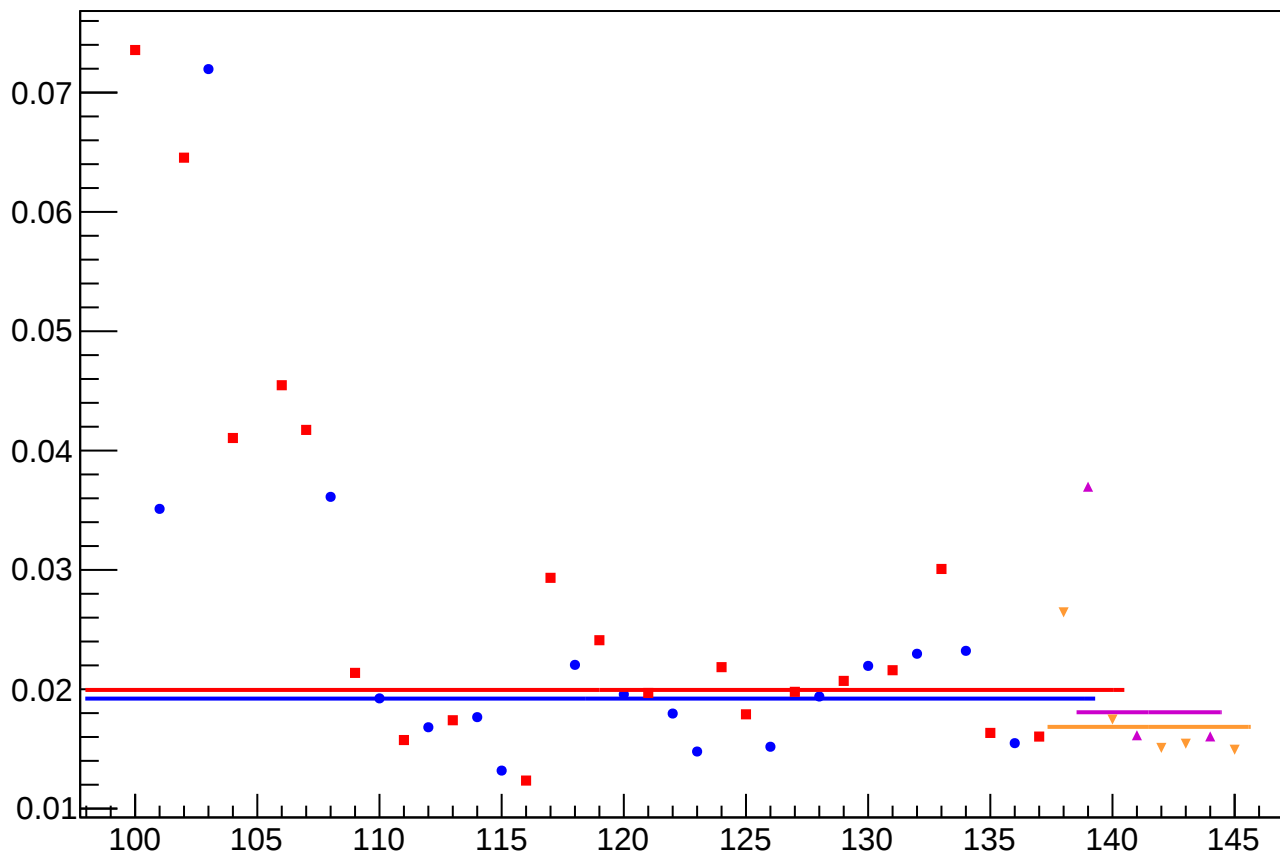
Left In: -0.166+/-0.000 χ^2/NDF : 3238645.9/2

-0.183+/-0.000 χ^2/NDF : 116317442.9/21

-0.191+/-0.000 χ^2/NDF : 244719866.1/44

-0.202+/-0.000 χ^2/NDF : 124805345.4/22

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019 $\pm$ 0.000 χ^2/NDF : 1177085.4/16

Left Out: 0.017 $\pm$ 0.000 χ^2/NDF : 192855.9/4

Right Out: 0.020 $\pm$ 0.000 χ^2/NDF : 1455211.7/19

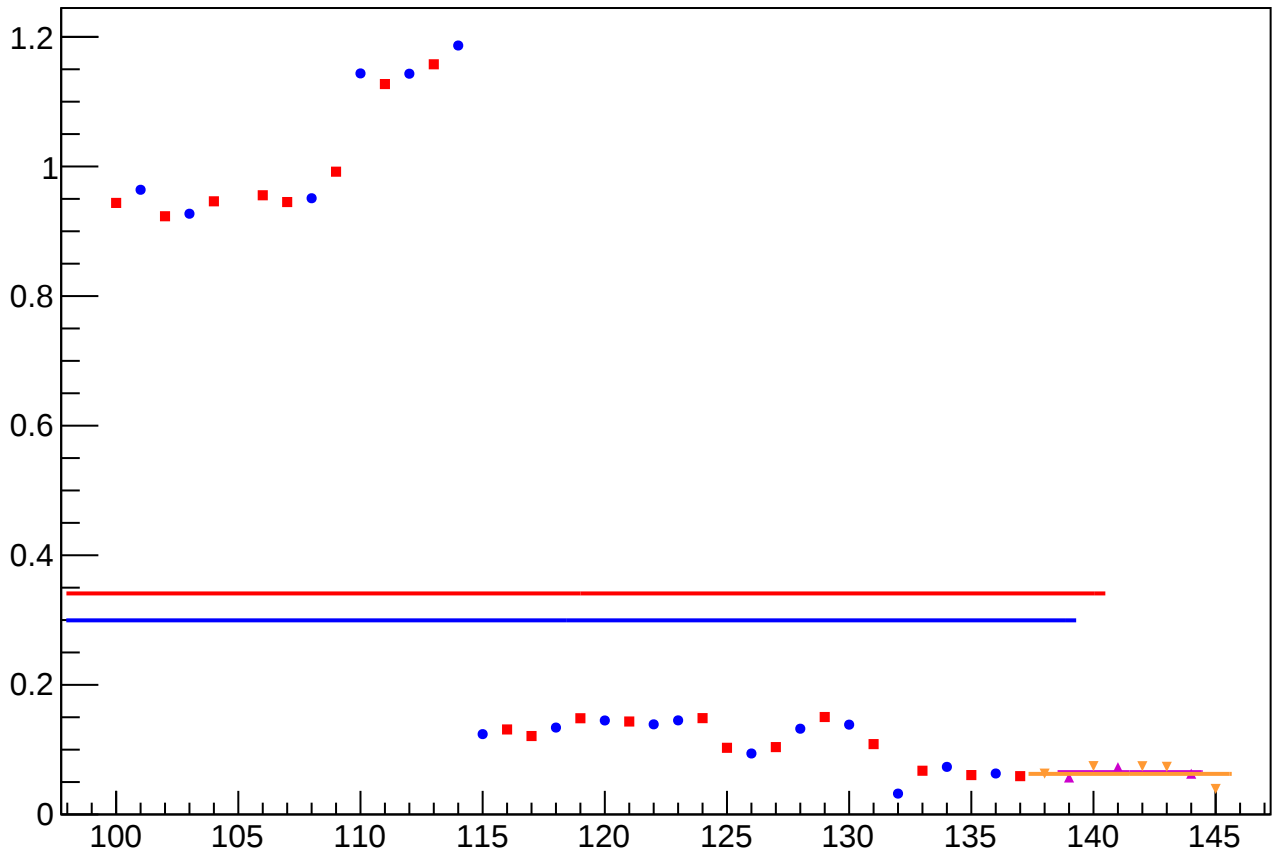
Left In: 0.018 $\pm$ 0.000 χ^2/NDF : 389173.4/2

0.018 $\pm$ 0.000 χ^2/NDF : 1426870.5/21

0.019 $\pm$ 0.000 χ^2/NDF : 3320514.7/44

0.019 $\pm$ 0.000 χ^2/NDF : 1870487.5/22

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

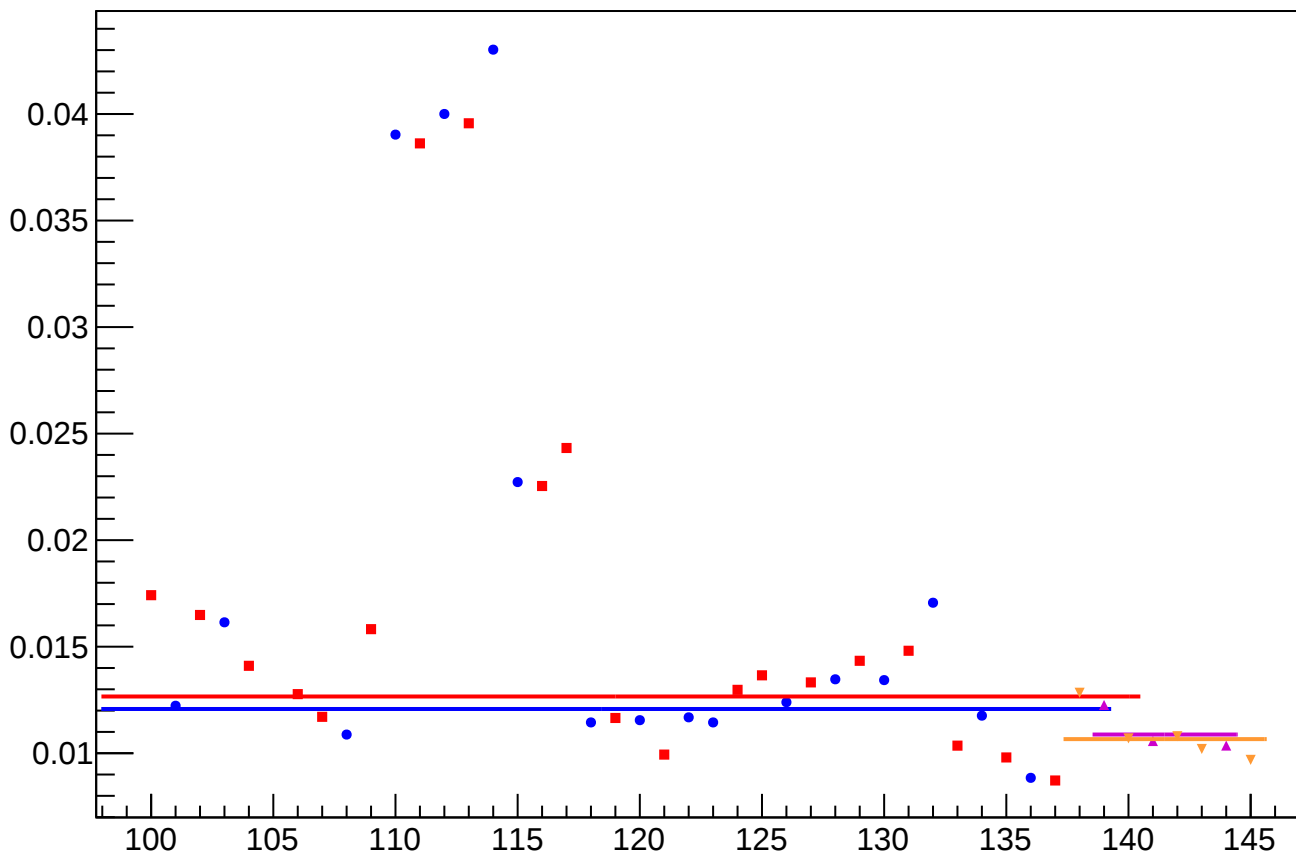
Left In: 0.065 $\pm$ 0.000 χ^2 /NDF:759467.5/2

0.202 $\pm$ 0.000 χ^2 /NDF: 6072914342.9/21

0.222 $\pm$ 0.000 χ^2 /NDF: 12547847356.6/4

0.247 $\pm$ 0.000 χ^2 /NDF: 6412445913.0/22

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

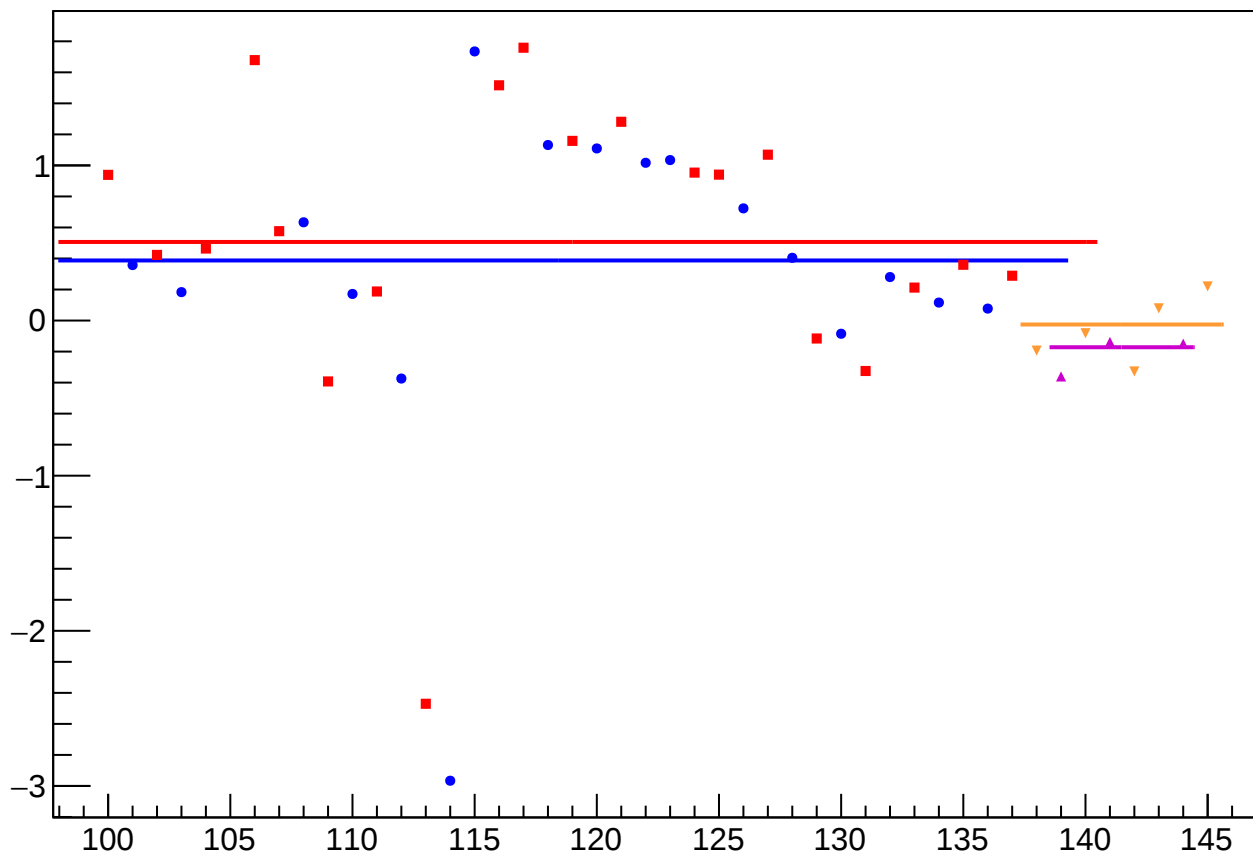
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 22299.3/2

0.011 $\pm$ 0.000 χ^2/NDF : 1403915.8/21

0.012 $\pm$ 0.000 χ^2/NDF : 2781038.9/44

0.012 $\pm$ 0.000 χ^2/NDF : 1357953.8/22

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

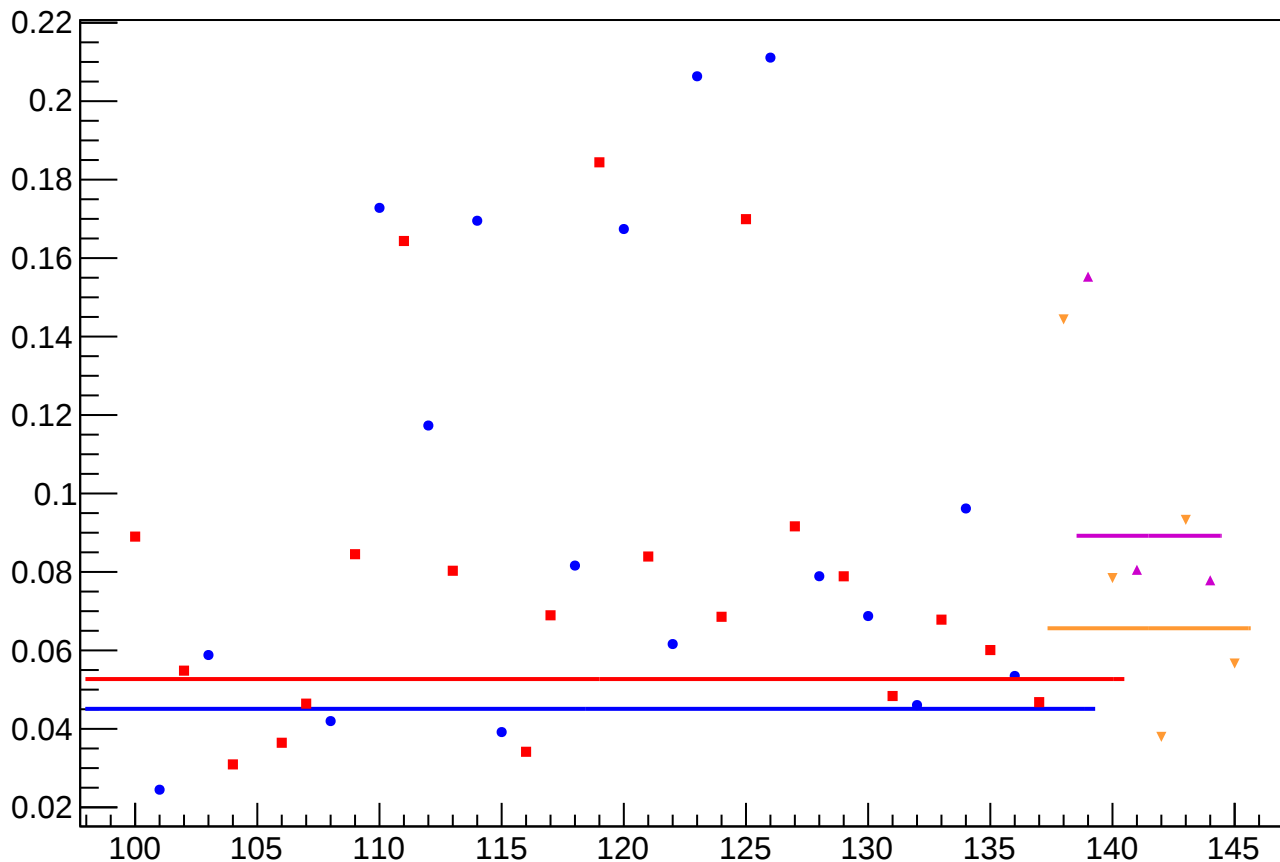
Left In: -0.172 $\pm$ 0.000 χ^2 /NDF:1006243.9/2

0.304 $\pm$ 0.000 χ^2 /NDF: 330676115.1/21

0.359 $\pm$ 0.000 χ^2 /NDF: 1418875915.1/44

0.432 $\pm$ 0.000 χ^2 /NDF: 1072585221.8/22

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

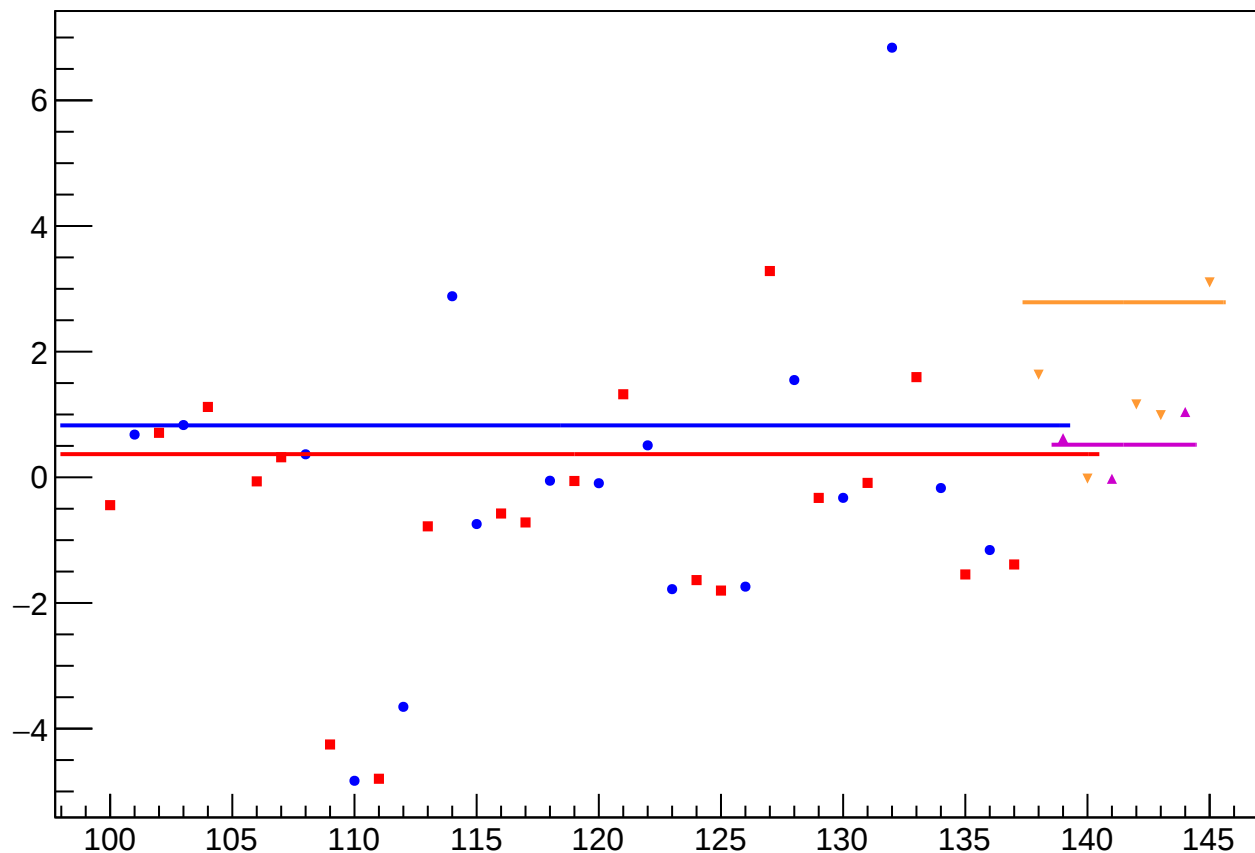
Left In: 0.089+/-0.000 χ^2/NDF : 246766.7/2

0.049+/-0.000 χ^2/NDF : 3832233.4/21

0.053+/-0.000 χ^2/NDF : 6821385.1/44

0.057+/-0.000 χ^2/NDF : 2882902.0/22

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

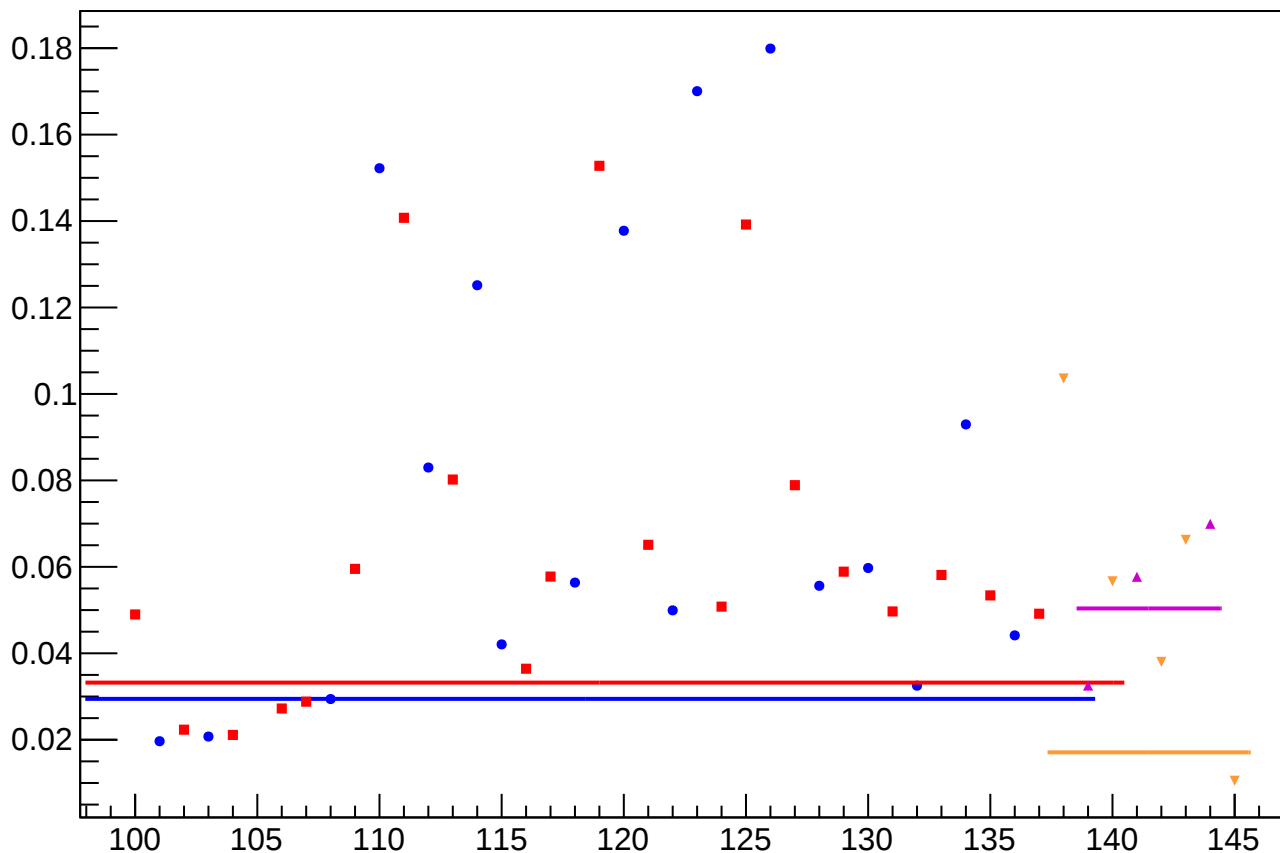
Left In: 0.519 $\pm$ 0.000 χ^2/NDF : 74027216.3/2

1.701 $\pm$ 0.000 χ^2/NDF : 19858956976.0/21

1.231 $\pm$ 0.000 χ^2/NDF : 29317514994.9/4

0.385 $\pm$ 0.000 χ^2/NDF : 5068608654.2/22

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

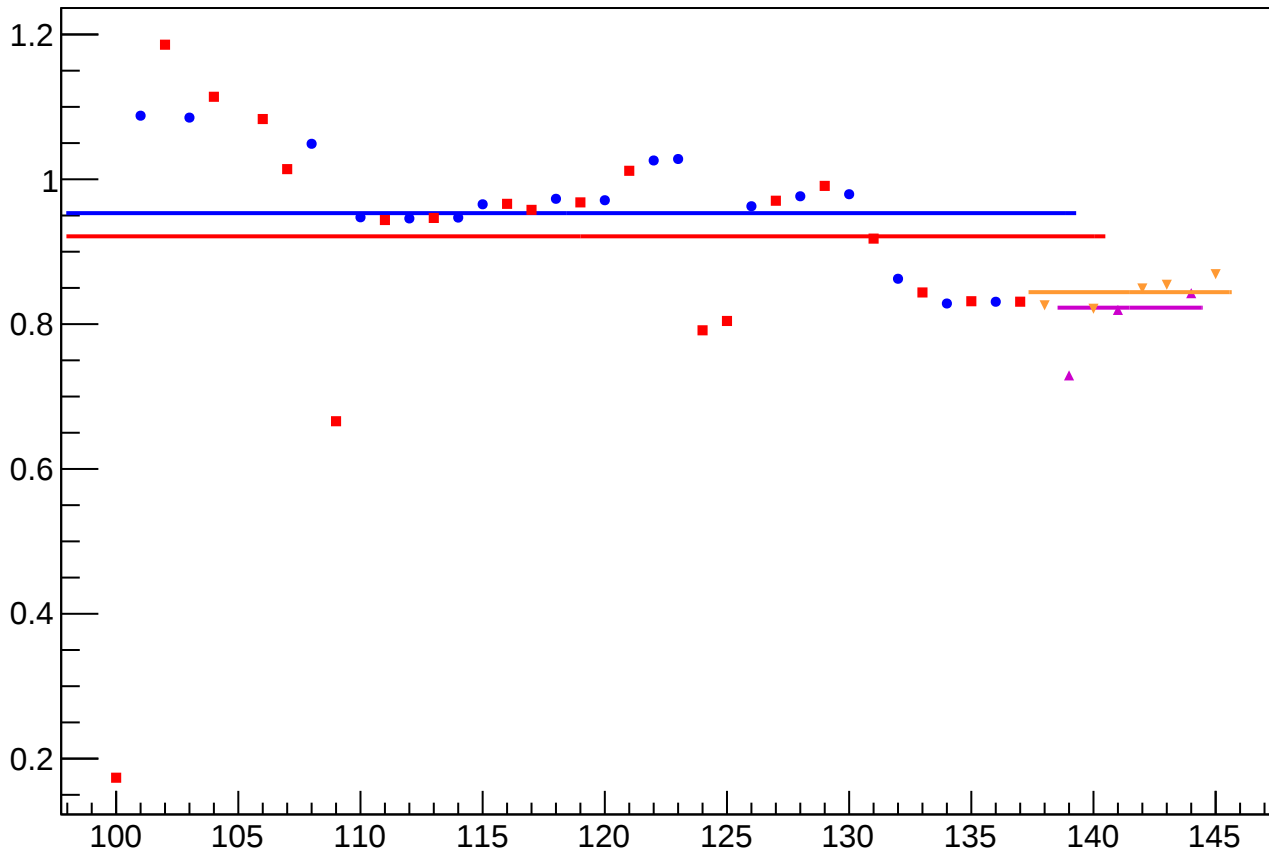
Left In: 0.050 $\pm$ 0.000 χ^2/NDF : 216265.0/2

0.024 $\pm$ 0.000 χ^2/NDF : 5686449.7/21

0.028 $\pm$ 0.000 χ^2/NDF : 9874078.8/44

0.035 $\pm$ 0.000 χ^2/NDF : 3553875.5/22

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175396553.4/16

Left Out: 0.844 $\pm$ 0.000 χ^2 /NDF:6196497.2/4

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374376205.4/19

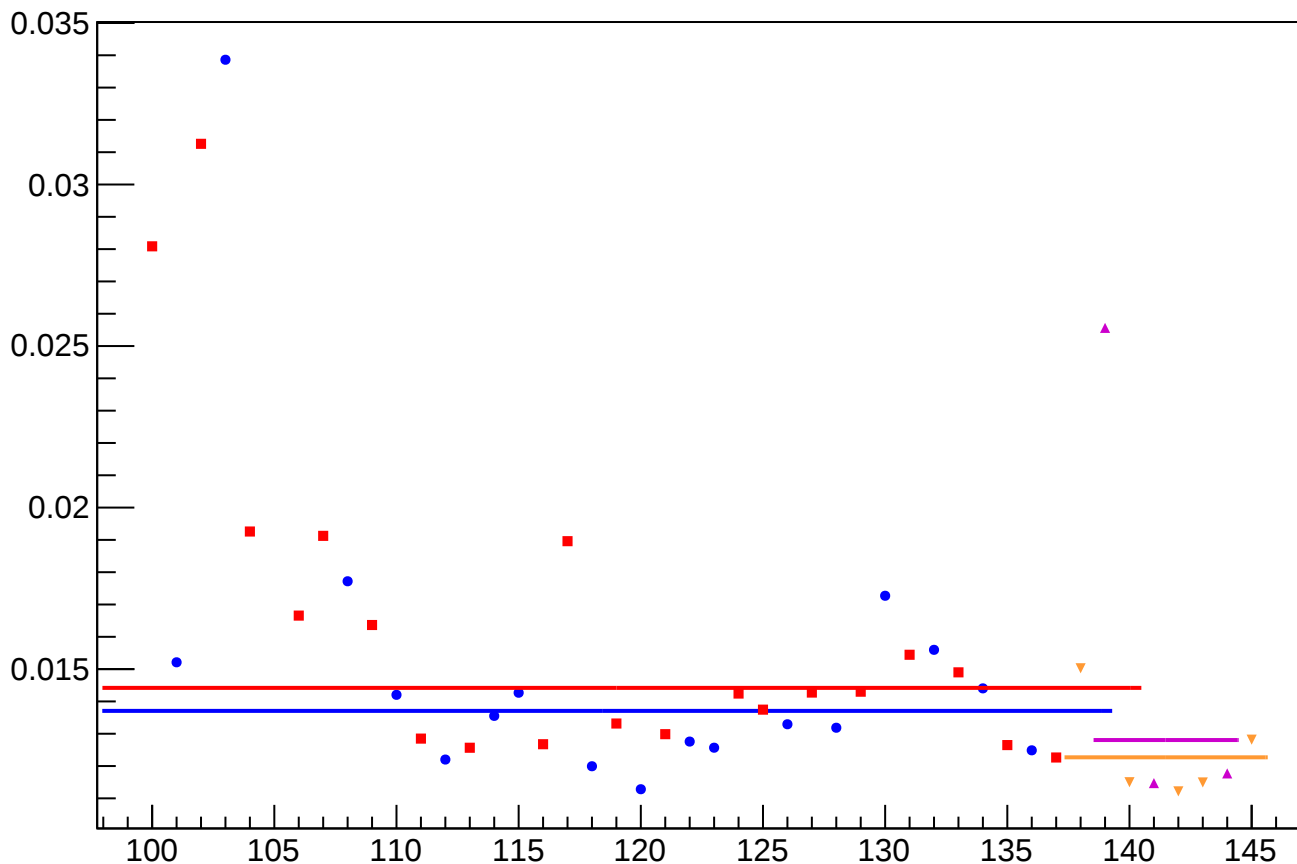
Left In: 0.823 $\pm$ 0.000 χ^2 /NDF:11057795.1/2

0.914 $\pm$ 0.000 χ^2 /NDF: 315772941.4/21

0.904 $\pm$ 0.000 χ^2 /NDF: 792864678.8/44

0.893 $\pm$ 0.000 χ^2 /NDF: 467602771.3/22

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 546317.6/16

Left Out: 0.012+/-0.000 χ^2/NDF : 58066.4/4

Right Out: 0.014+/-0.000 χ^2/NDF : 506553.4/19

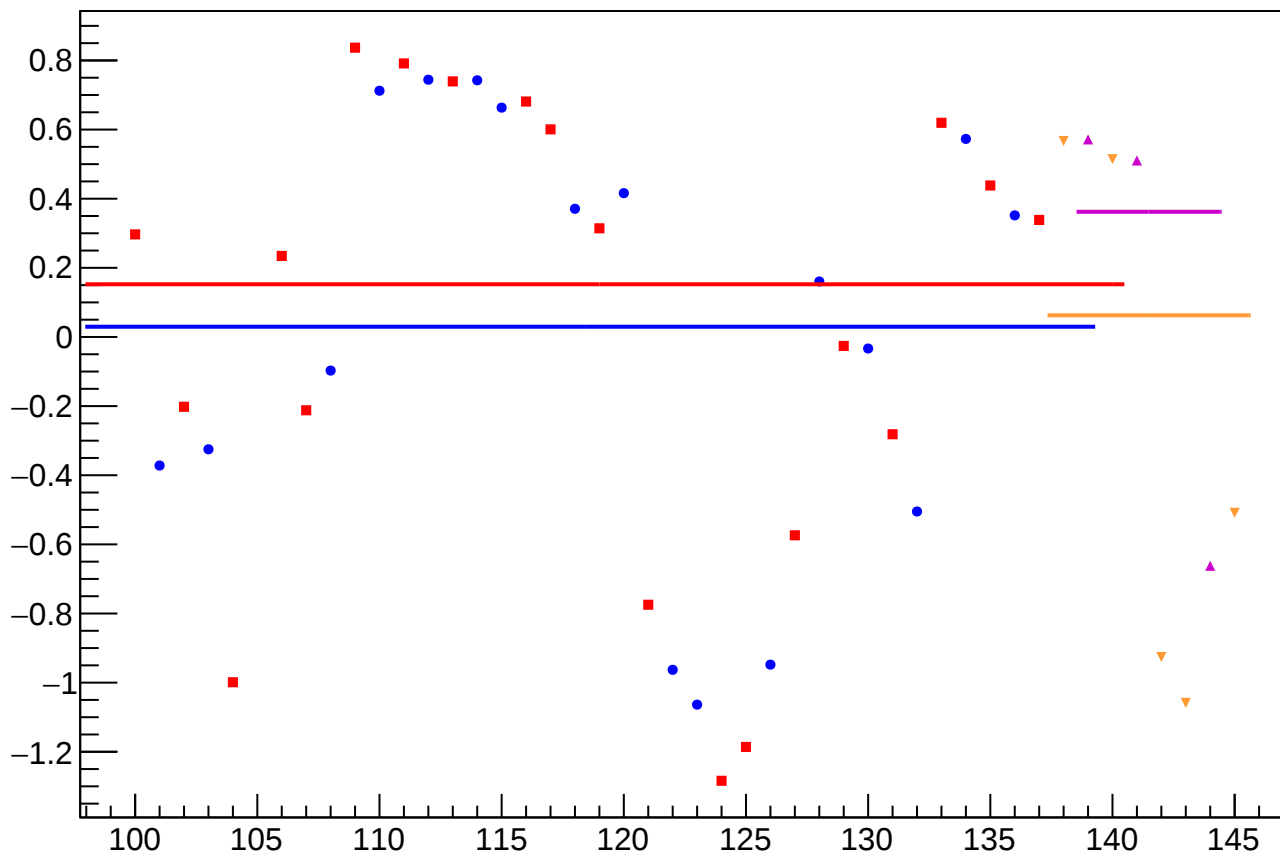
Left In: 0.013+/-0.000 χ^2/NDF : 358222.3/2

0.013+/-0.000 χ^2/NDF : 650962.2/21

0.014+/-0.000 χ^2/NDF : 1586499.8/44

0.014+/-0.000 χ^2/NDF : 908911.7/22

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

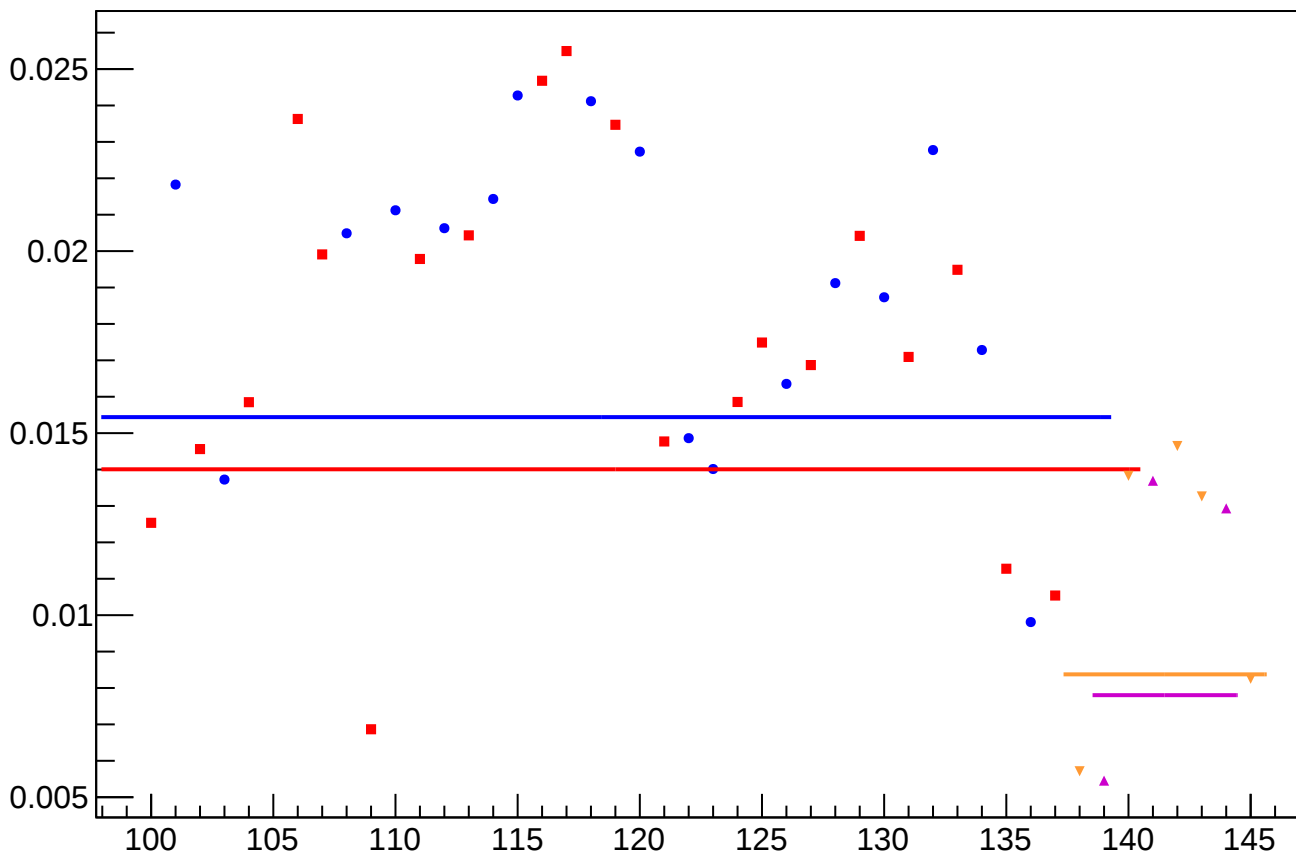
Left In: 0.362 $\pm$ 0.000 χ^2 /NDF: 6208805811.4/2

0.050 $\pm$ 0.000 χ^2 /NDF: 20477676708.5/21

0.154 $\pm$ 0.000 χ^2 /NDF: 41326094252.2/4

0.260 $\pm$ 0.000 χ^2 /NDF: 19530950658.1/22

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015 $\pm$ 0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 783285.8/4

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 1576149.9/19

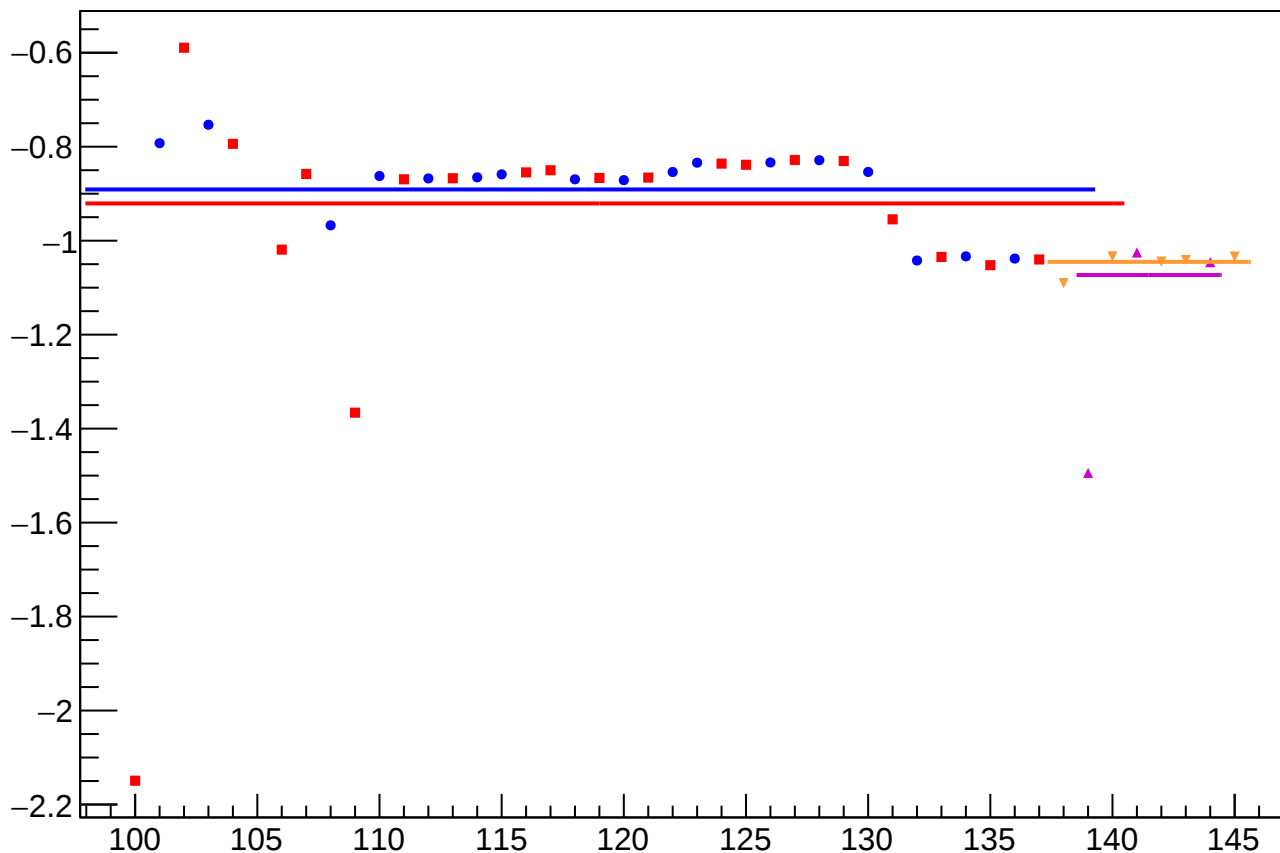
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 782680.8/2

0.011 $\pm$ 0.000 χ^2/NDF : 3372758.5/21

0.011 $\pm$ 0.000 χ^2/NDF : 6874609.4/44

0.011 $\pm$ 0.000 χ^2/NDF : 3494024.2/22

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

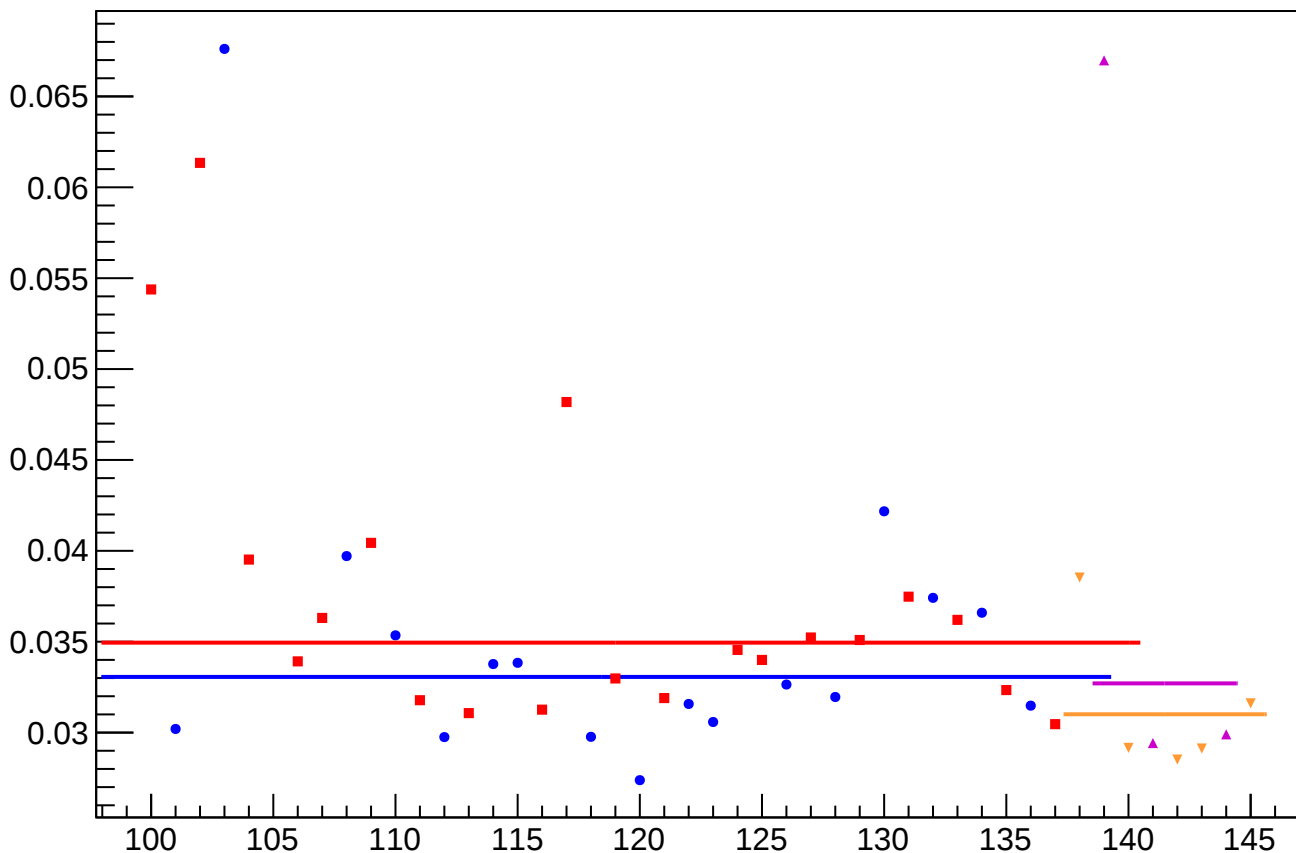
Left In: -1.073+/-0.000 χ^2/NDF : 28449292.6/2

-0.943+/-0.000 χ^2/NDF : 83715107.0/21

-0.951+/-0.000 χ^2/NDF : 275391438.8/44

-0.961+/-0.000 χ^2/NDF : 190526068.5/22

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033 $\pm$ 0.000 χ^2/NDF : 409286.7/16

Left Out: 0.031 $\pm$ 0.000 χ^2/NDF : 59901.8/4

Right Out: 0.035 $\pm$ 0.000 χ^2/NDF : 280500.4/19

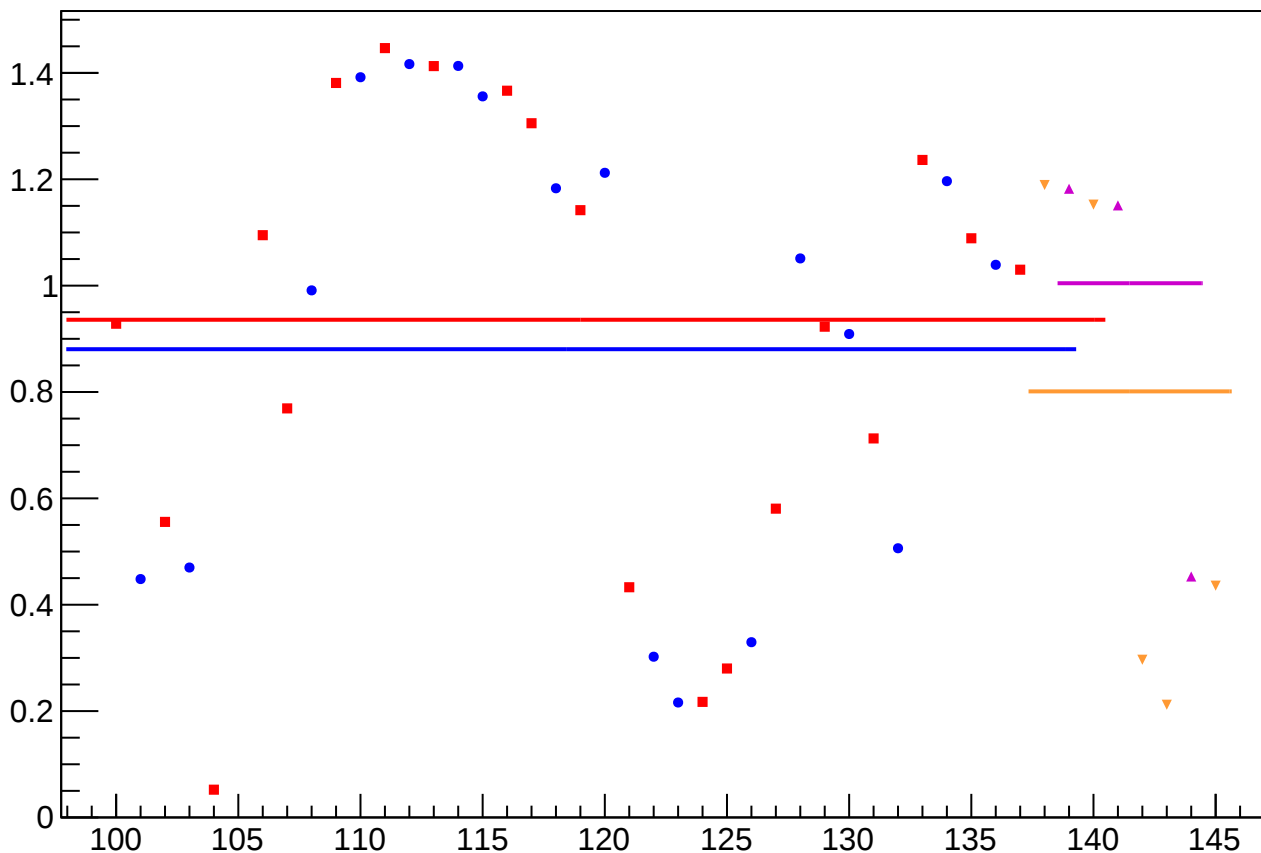
Left In: 0.033 $\pm$ 0.000 χ^2/NDF : 374733.4/2

0.032 $\pm$ 0.000 χ^2/NDF : 484533.3/21

0.033 $\pm$ 0.000 χ^2/NDF : 1182700.8/44

0.034 $\pm$ 0.000 χ^2/NDF : 668585.8/22

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.880 $\pm$ 0.000 χ^2 /NDF: 6400108121.4/16

Left Out: 0.801 $\pm$ 0.000 χ^2 /NDF:10221458357.8/4

Right Out: 0.936 $\pm$ 0.000 χ^2 /NDF: 9851303698.9/19

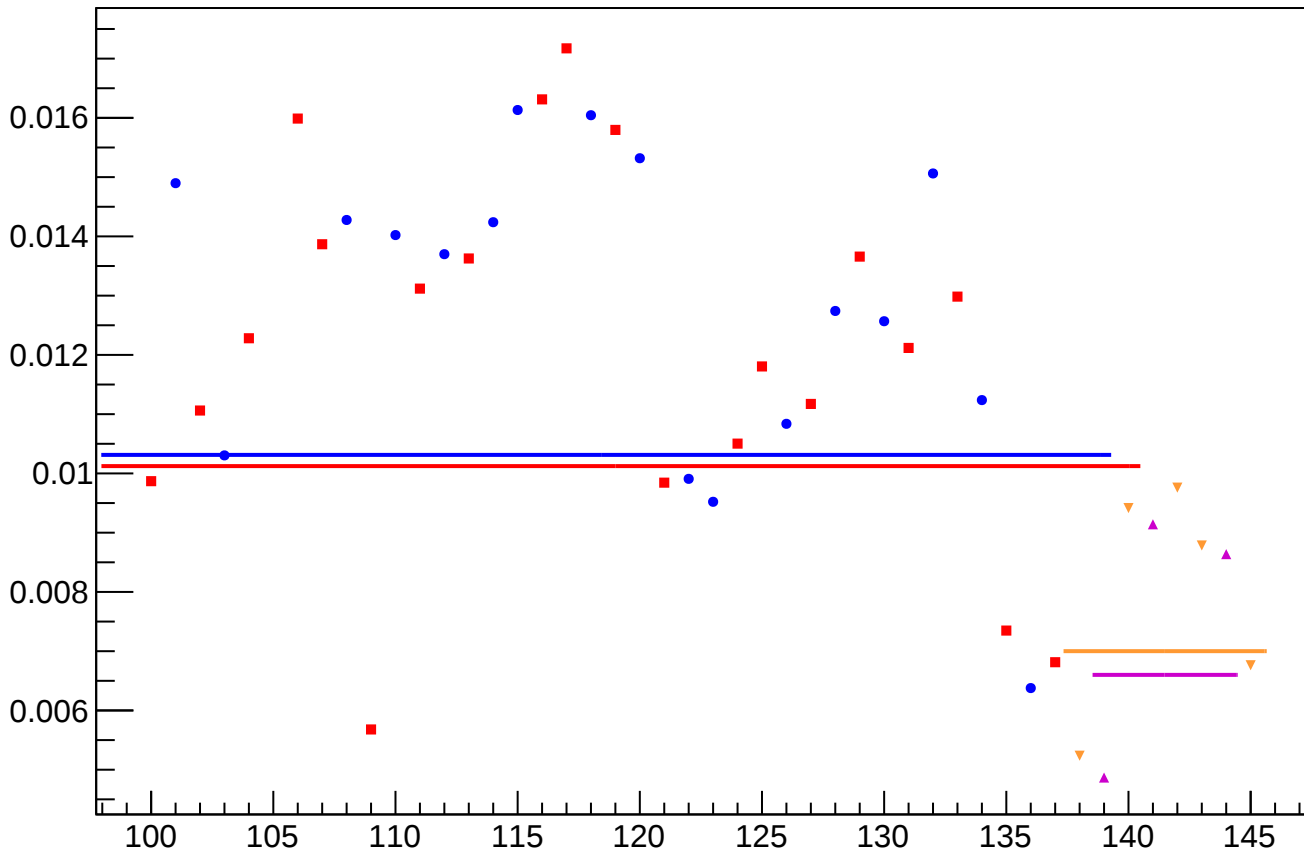
Left In: 1.005 $\pm$ 0.000 χ^2 /NDF:4422436833.4/2

0.839 $\pm$ 0.000 χ^2 /NDF: 16796414135.4/21

0.901 $\pm$ 0.000 χ^2 /NDF: 32078770817.8/4

0.967 $\pm$ 0.000 χ^2 /NDF: 14395776930.7/22

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

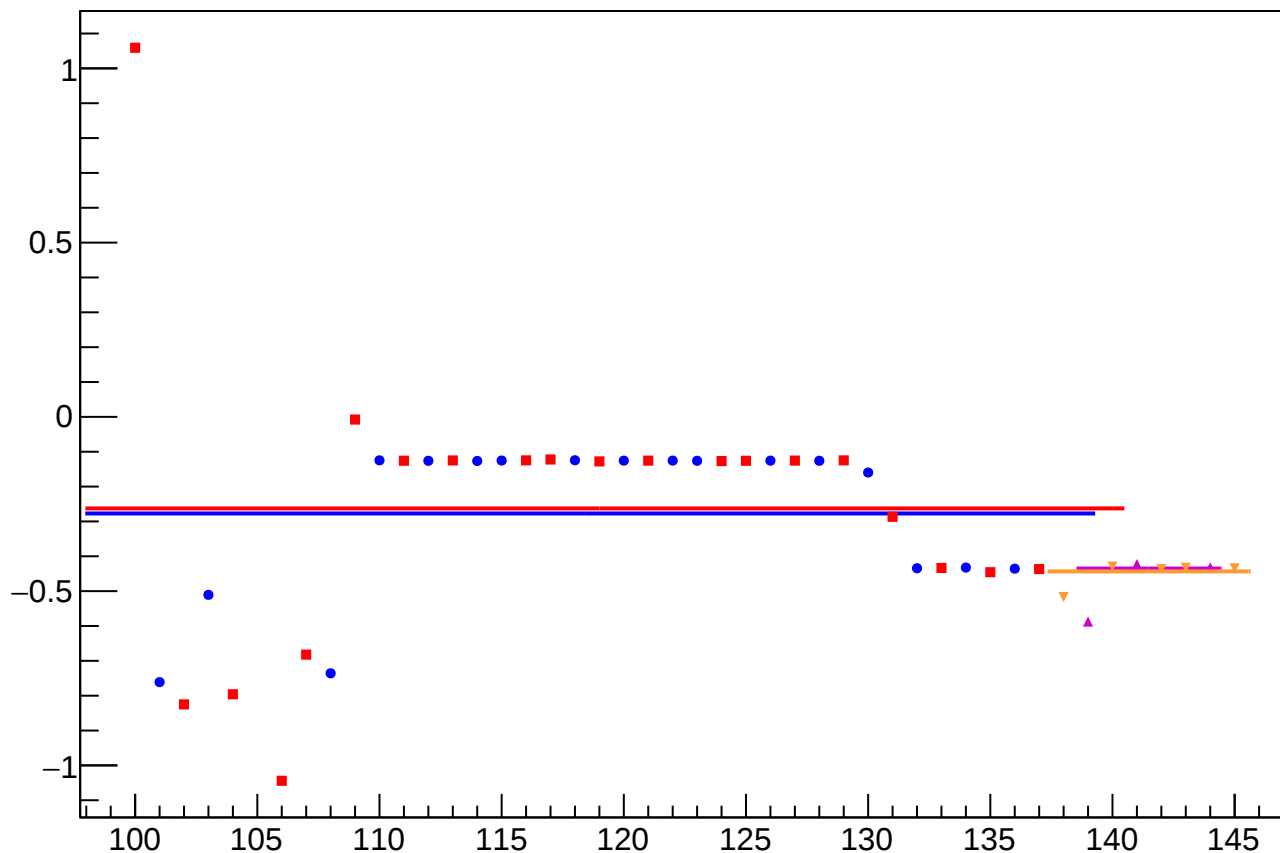
Left In: 0.007 $\pm$ 0.000 χ^2/NDF : 373602.4/2

0.009 $\pm$ 0.000 χ^2/NDF : 2198025.6/21

0.009 $\pm$ 0.000 χ^2/NDF : 4405686.7/44

0.009 $\pm$ 0.000 χ^2/NDF : 2207520.5/22

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

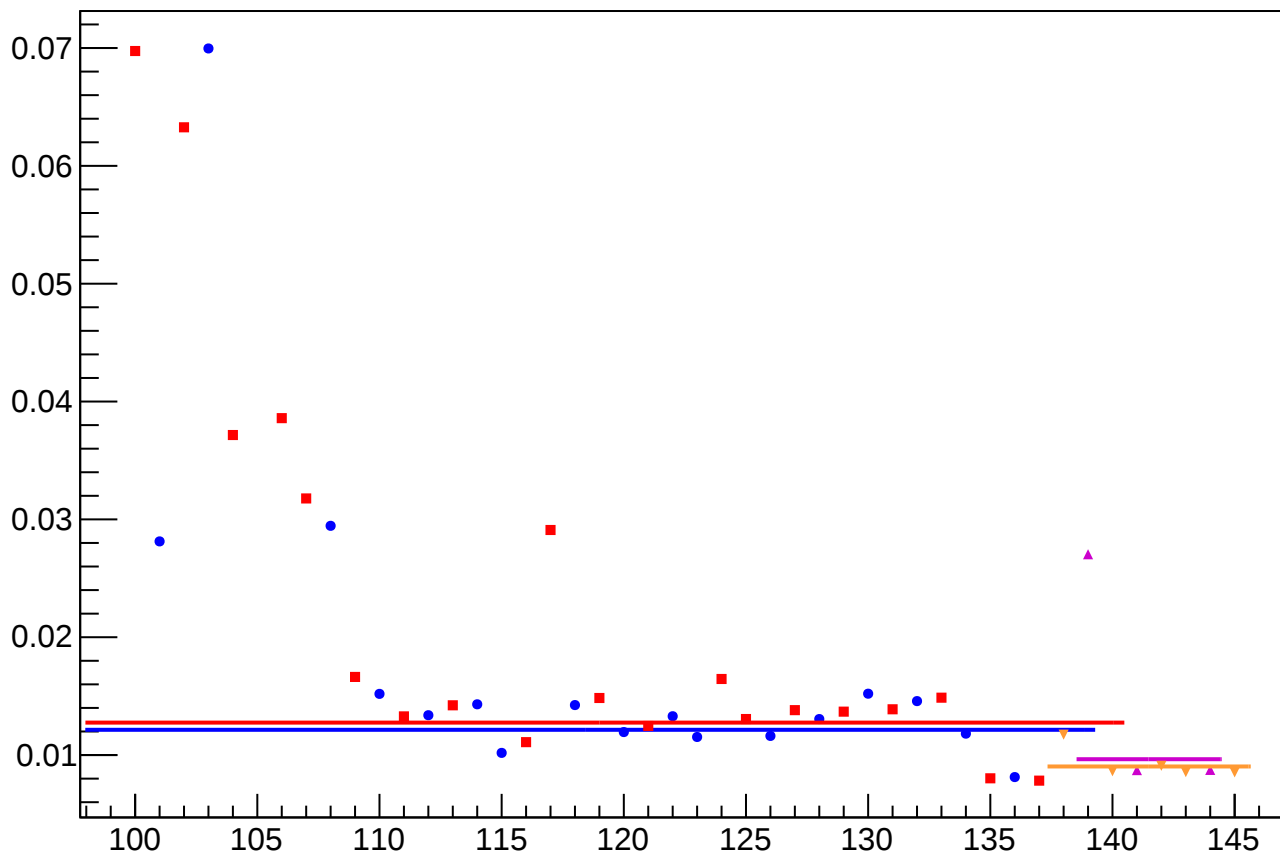
Left In: -0.435+/-0.000 χ^2/NDF : 22523659.9/2

-0.357+/-0.000 χ^2/NDF : 1386131457.4/21

-0.344+/-0.000 χ^2/NDF : 2777212097.1/4

-0.328+/-0.000 χ^2/NDF : 1368428017.4/22

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

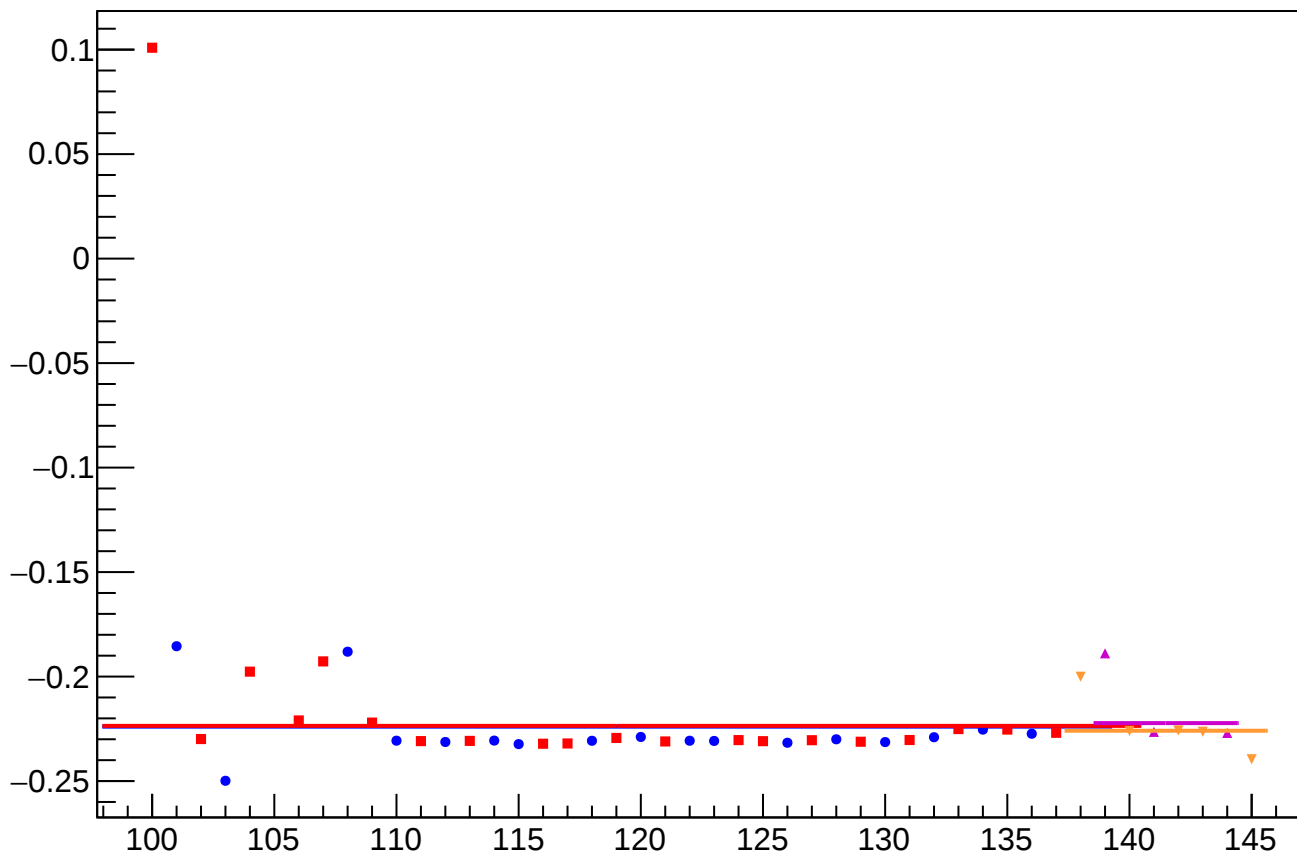
Left In: 0.010 ± 0.000 χ^2/NDF : 579052.9/2

0.011 ± 0.000 χ^2/NDF : 2086132.4/21

0.011 ± 0.000 χ^2/NDF : 4923615.5/44

0.012 ± 0.000 χ^2/NDF : 2790948.9/22

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

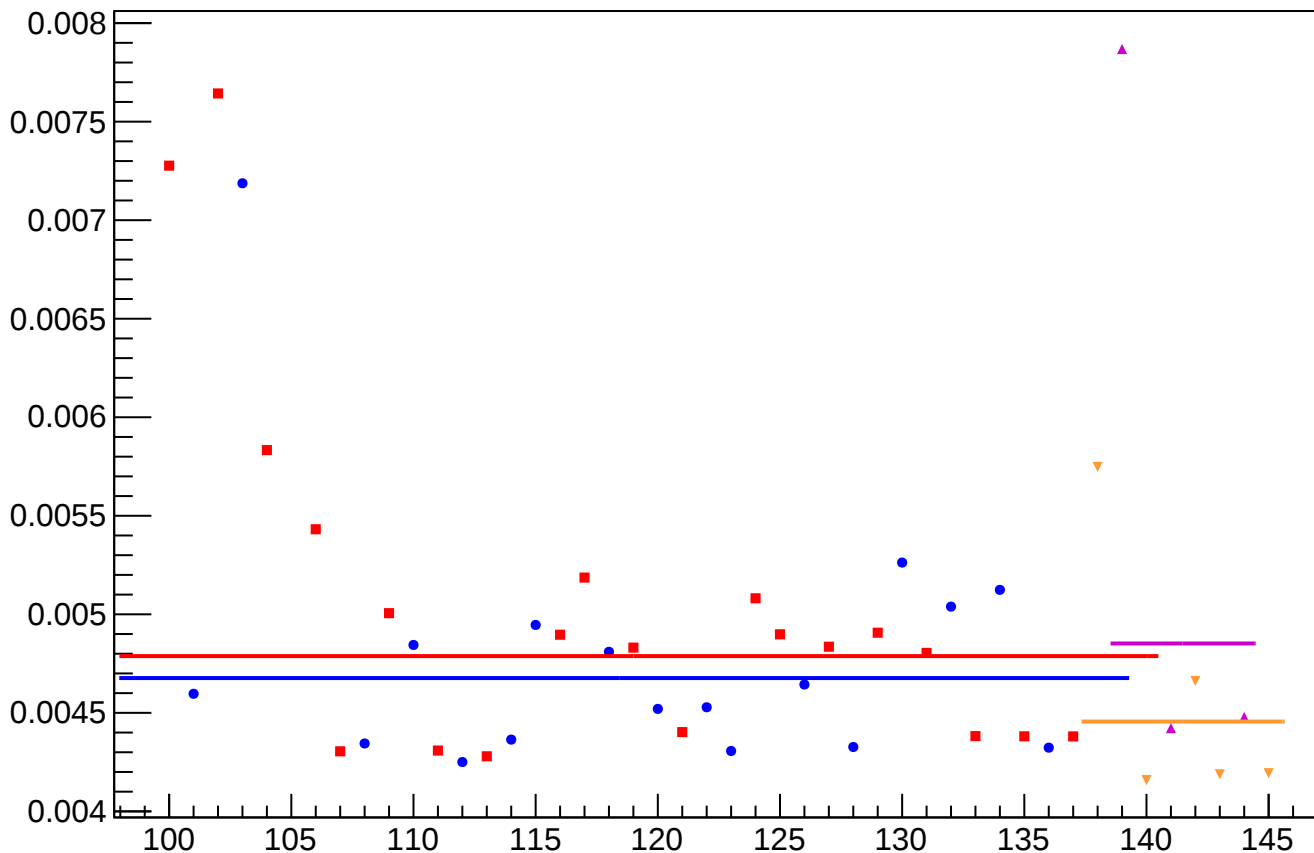
Left In: -0.222+/-0.000 χ^2/NDF : 13113008.1/2

-0.225+/-0.000 χ^2/NDF : 95547749.3/21

-0.224+/-0.000 χ^2/NDF : 277372362.2/44

-0.223+/-0.000 χ^2/NDF : 181461691.4/22

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

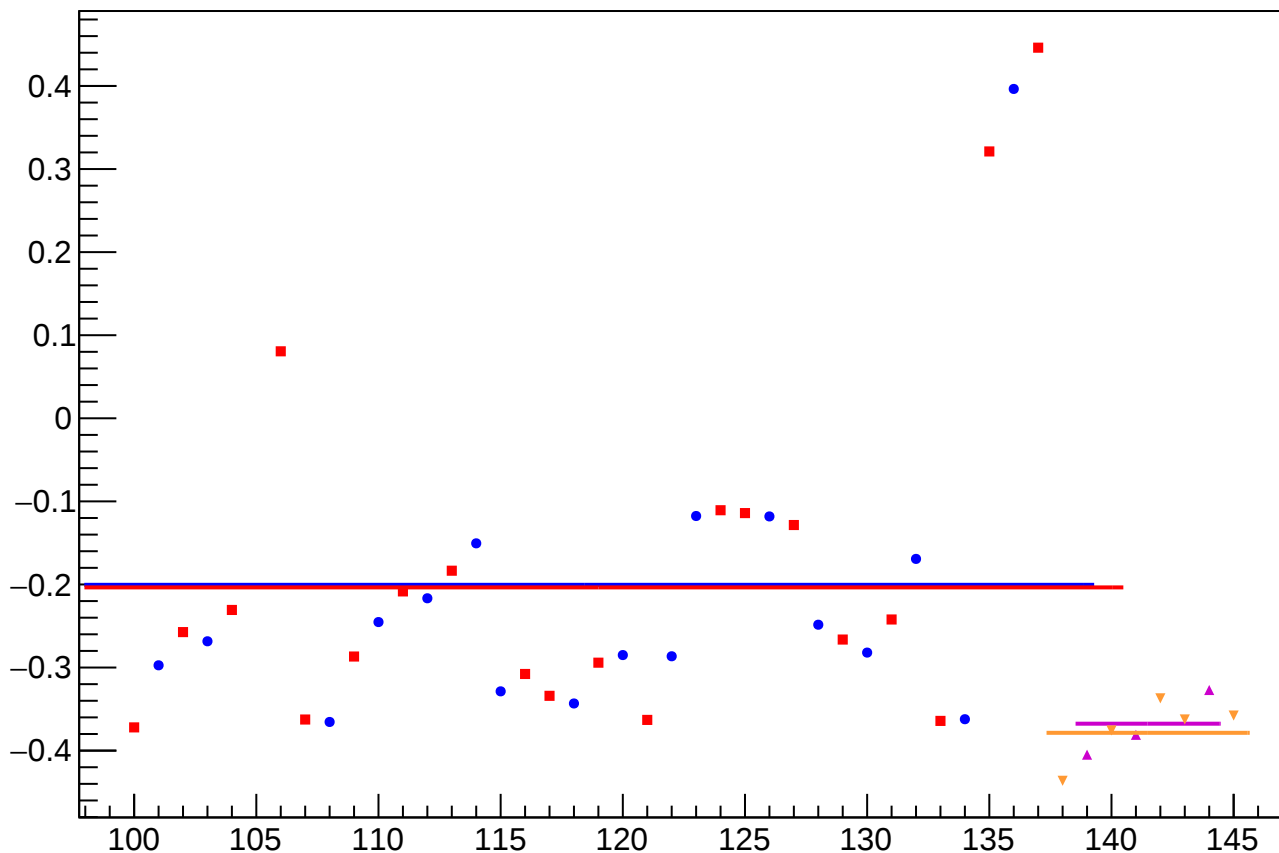
Left In: 0.005+/-0.000 χ^2/NDF : 214057.8/2

0.005+/-0.000 χ^2/NDF : 276473.2/21

0.005+/-0.000 χ^2/NDF : 756028.9/44

0.005+/-0.000 χ^2/NDF : 463278.0/22

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

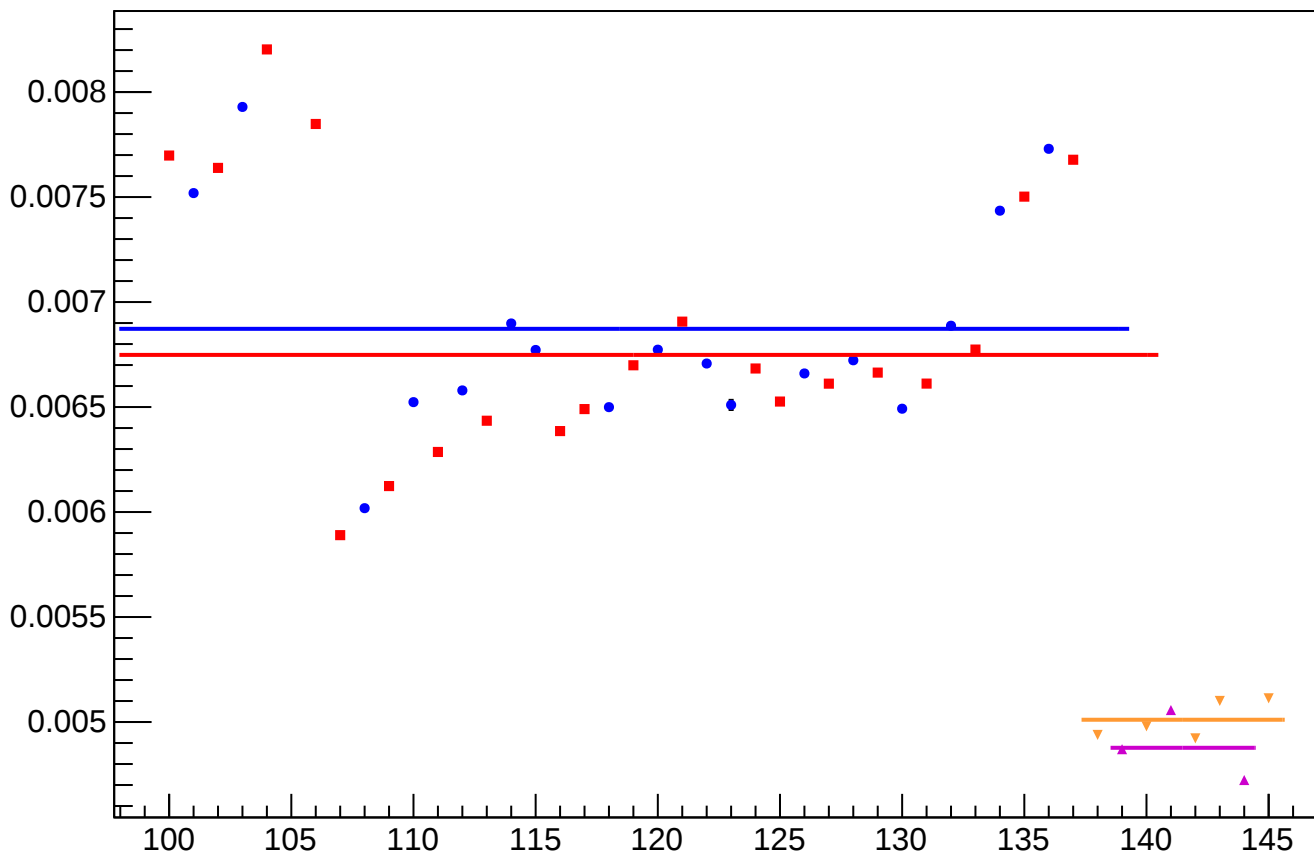
Left In: -0.368+/-0.000 χ^2/NDF : 104209046.9/2

-0.285+/-0.000 χ^2/NDF : 8202435023.9/21

-0.276+/-0.000 χ^2/NDF : 14976923594.8/4

-0.267+/-0.000 χ^2/NDF : 6735023602.4/22

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 78611.6/16

Left Out: 0.005 $\pm$ 0.000 χ^2/NDF : 1517.1/4

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 105262.1/19

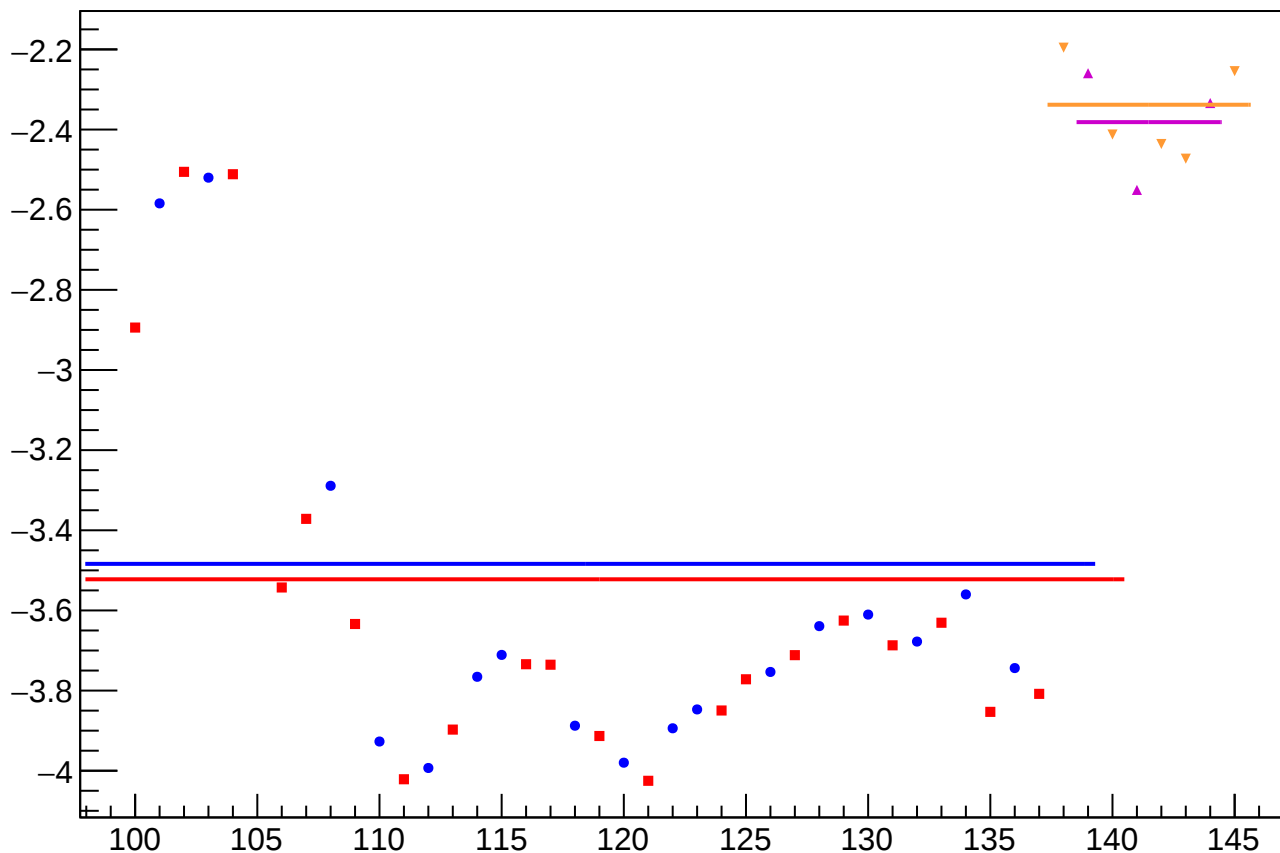
Left In: 0.005 $\pm$ 0.000 χ^2/NDF : 3777.6/2

0.006 $\pm$ 0.000 χ^2/NDF : 535765.2/21

0.006 $\pm$ 0.000 χ^2/NDF : 1057434.1/44

0.006 $\pm$ 0.000 χ^2/NDF : 521419.9/22

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.484 $\pm$ 0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.338 $\pm$ 0.000 χ^2/NDF : 376003139.4/4

Right Out: -3.522 $\pm$ 0.000 χ^2/NDF : 26497611752.4/19

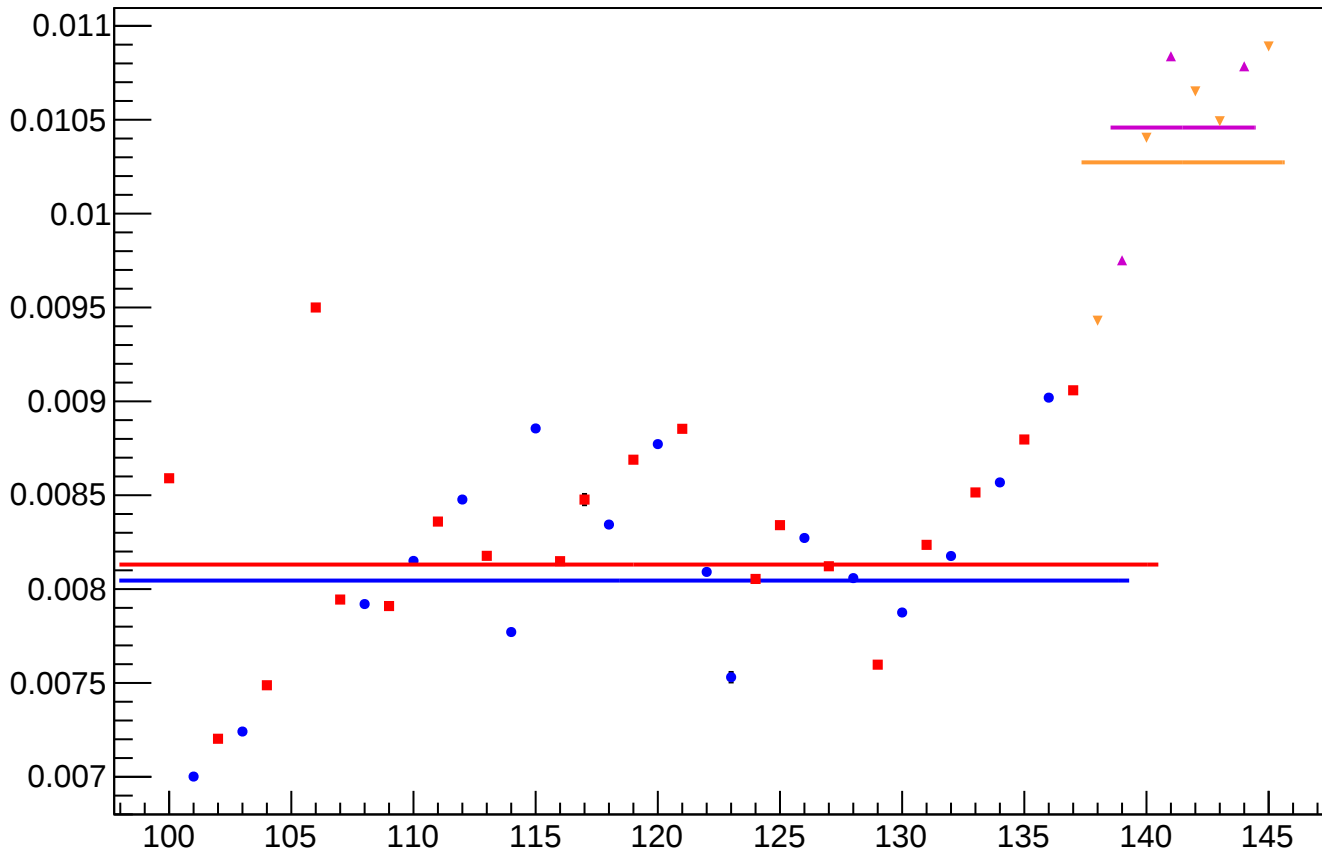
Left In: -2.381 $\pm$ 0.000 χ^2/NDF : 324914874.5/2

-3.221 $\pm$ 0.000 χ^2/NDF : 57841802404.4/21

-3.273 $\pm$ 0.000 χ^2/NDF : 108330241284.0

-3.327 $\pm$ 0.000 χ^2/NDF : 49768497886.8/22

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

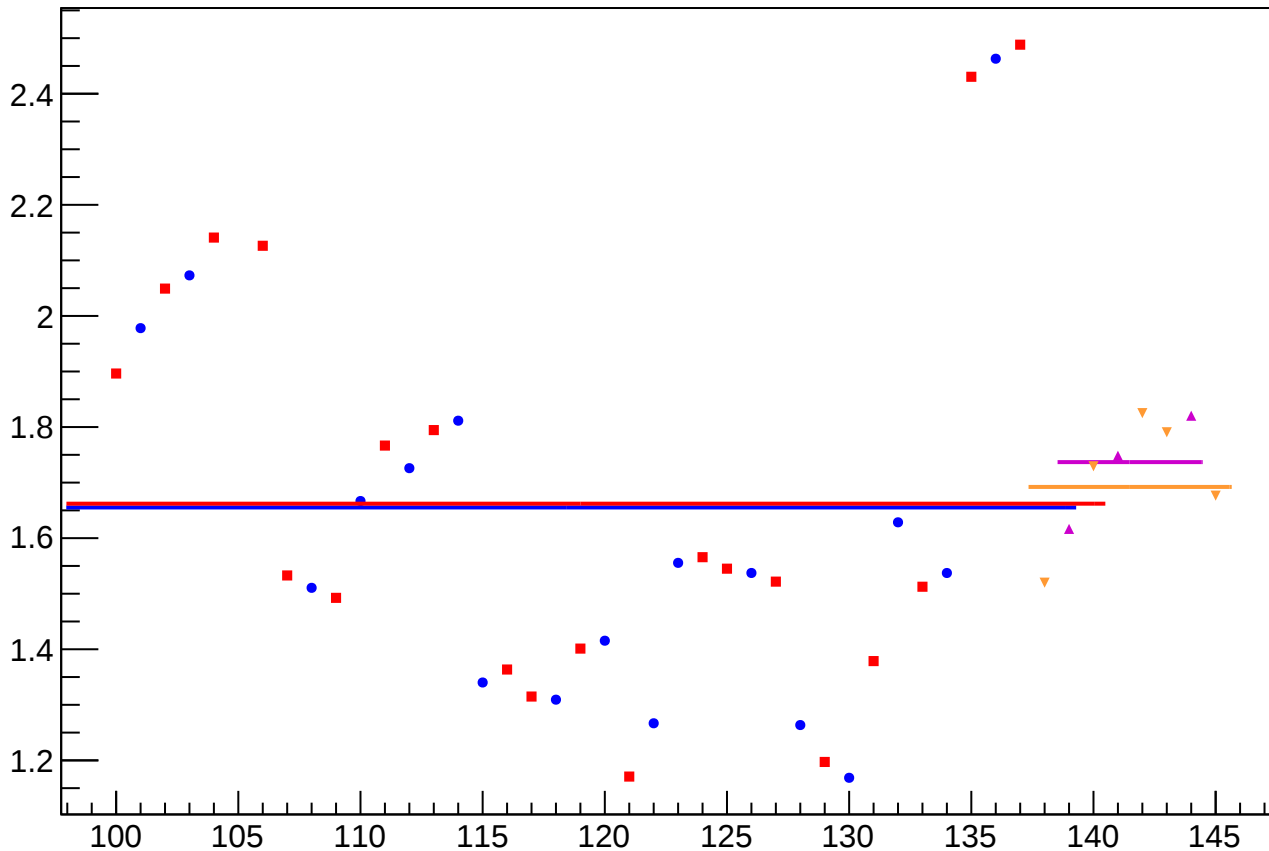
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 10639.5/2

0.009 $\pm$ 0.000 χ^2/NDF : 318606.8/21

0.009 $\pm$ 0.000 χ^2/NDF : 578021.9/44

0.009 $\pm$ 0.000 χ^2/NDF : 259316.4/22

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.655 $\pm$ 0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.692 $\pm$ 0.000 χ^2/NDF : 299202447.9/4

Right Out: 1.662 $\pm$ 0.000 χ^2/NDF : 5975345573.0/19

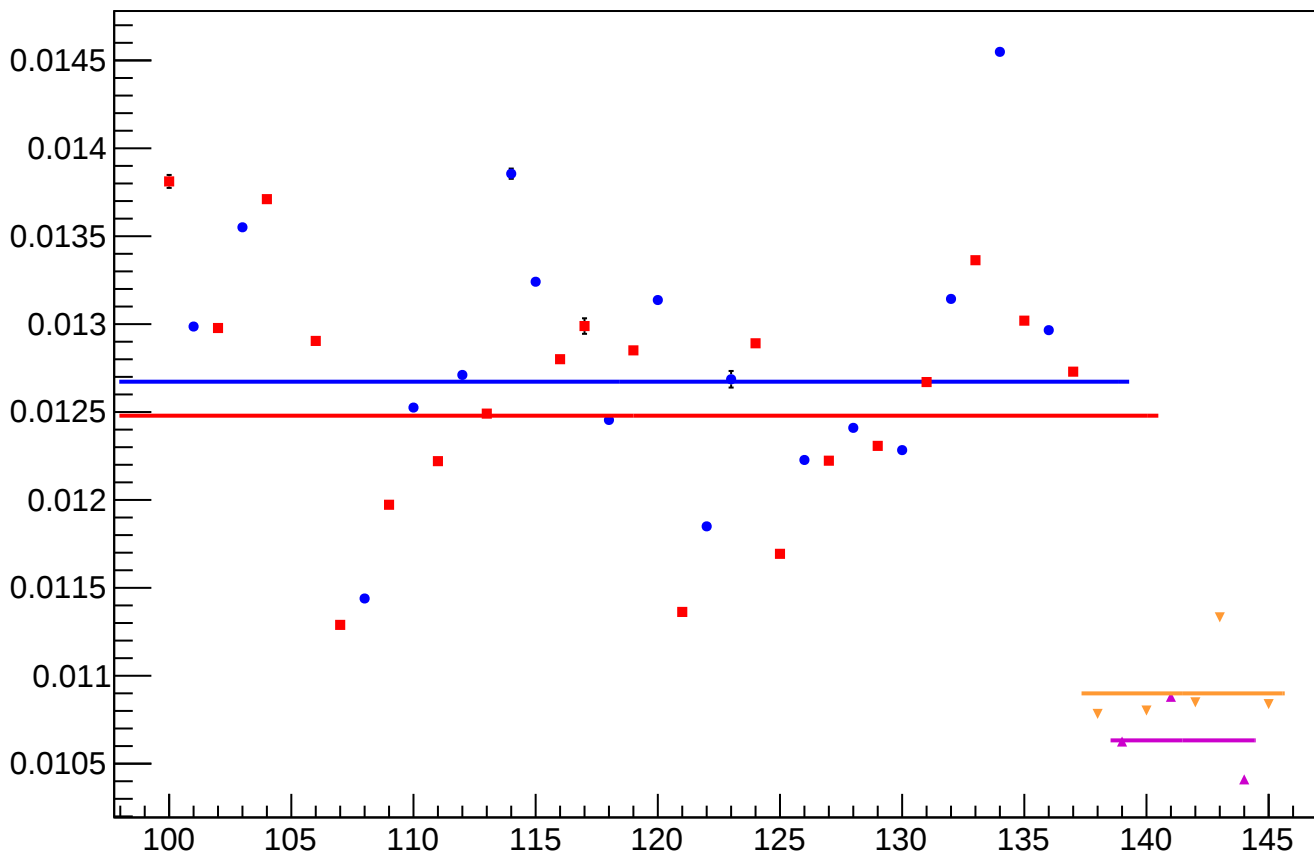
Left In: 1.737 $\pm$ 0.000 χ^2/NDF : 140316036.2/2

1.670 $\pm$ 0.000 χ^2/NDF : 6797864268.7/21

1.678 $\pm$ 0.000 χ^2/NDF : 13000568932.6/4

1.686 $\pm$ 0.000 χ^2/NDF : 6194436648.1/22

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

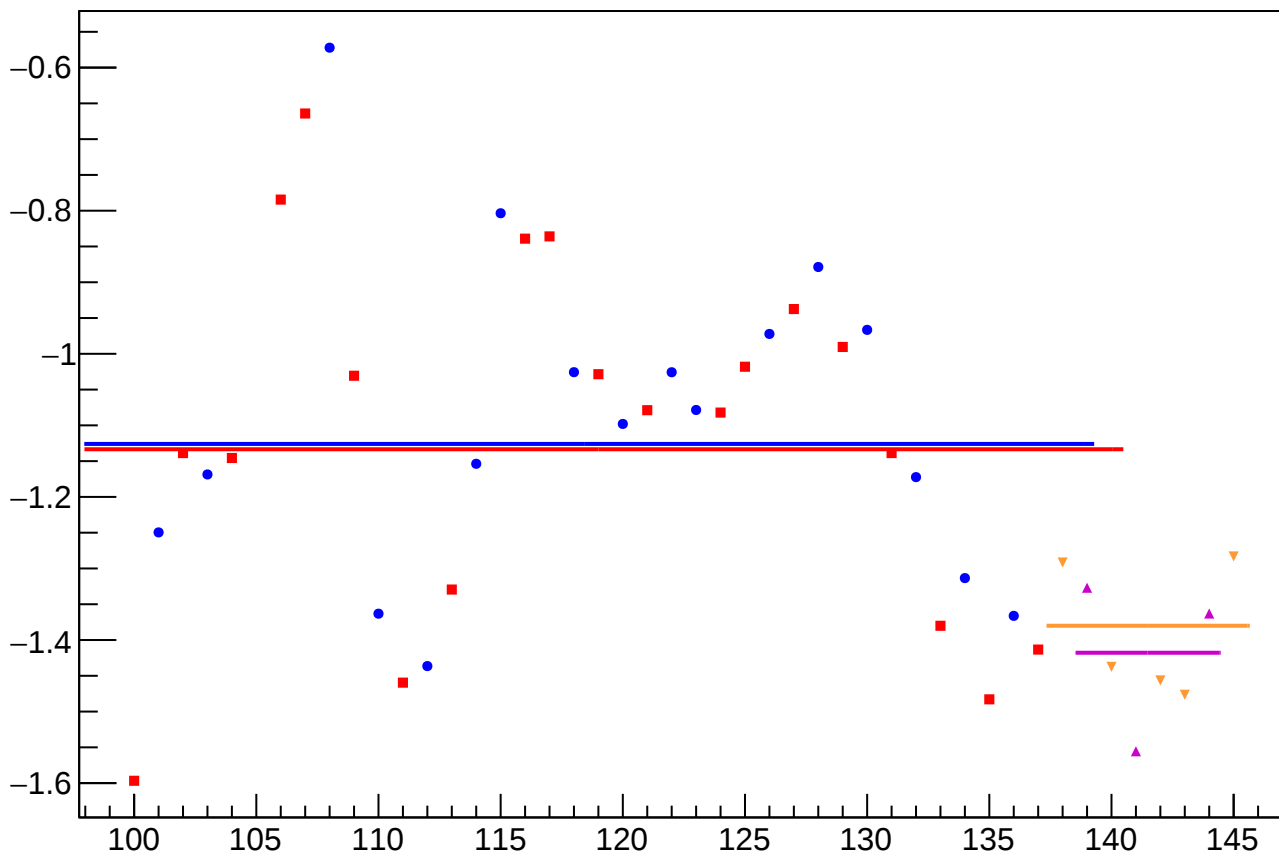
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:1609.6/2

0.012 $\pm$ 0.000 χ^2 /NDF: 135912.1/21

0.012 $\pm$ 0.000 χ^2 /NDF: 273118.7/44

0.012 $\pm$ 0.000 χ^2 /NDF: 136858.5/22

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

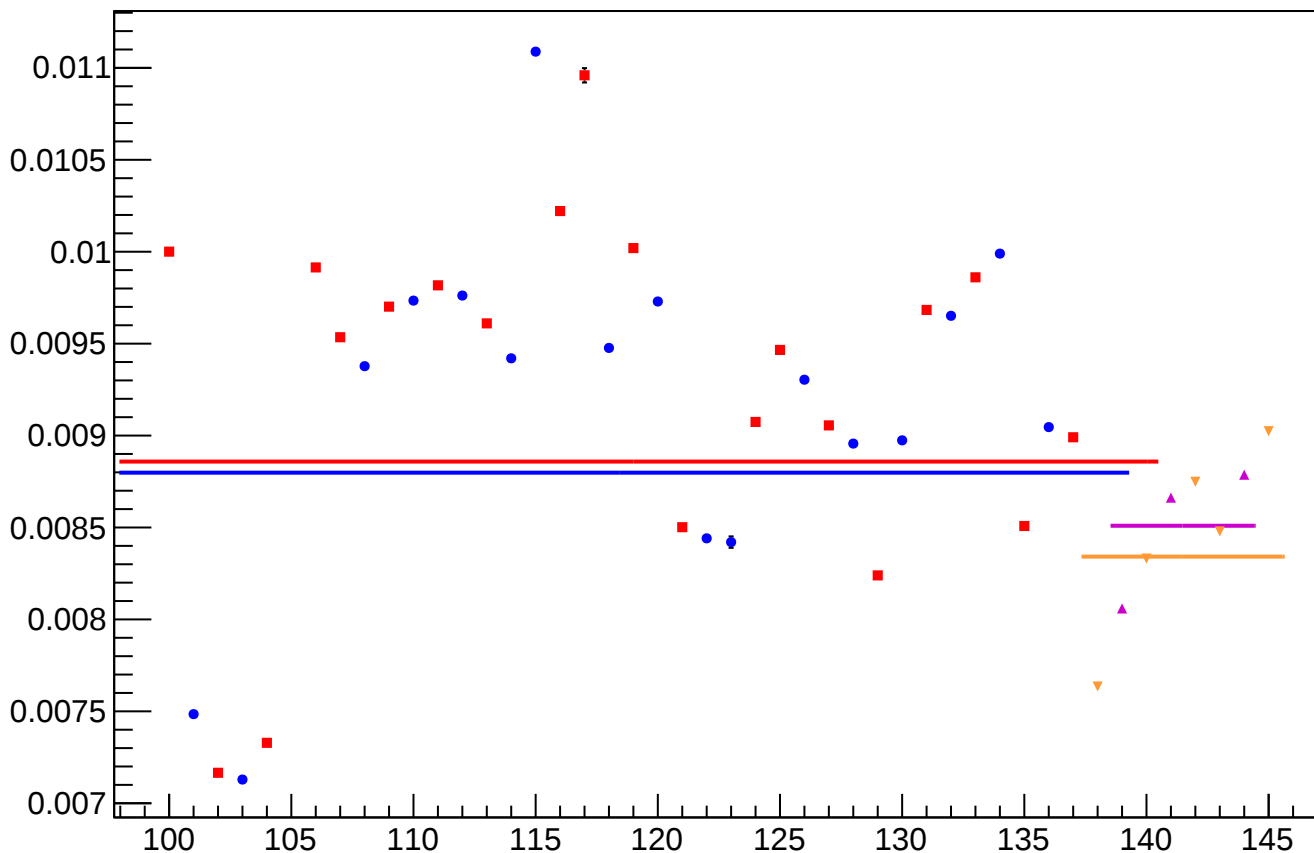
Left In: -1.418+/-0.000 χ^2/NDF : 324912454.7/2

-1.215+/-0.000 χ^2/NDF : 5760631076.3/21

-1.213+/-0.000 χ^2/NDF : 11665410836.0/4

-1.211+/-0.000 χ^2/NDF : 5903589657.3/22

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2/NDF : 151586.8/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 21565.9/4

Right Out: 0.009 $\pm$ 0.000 χ^2/NDF : 176858.0/19

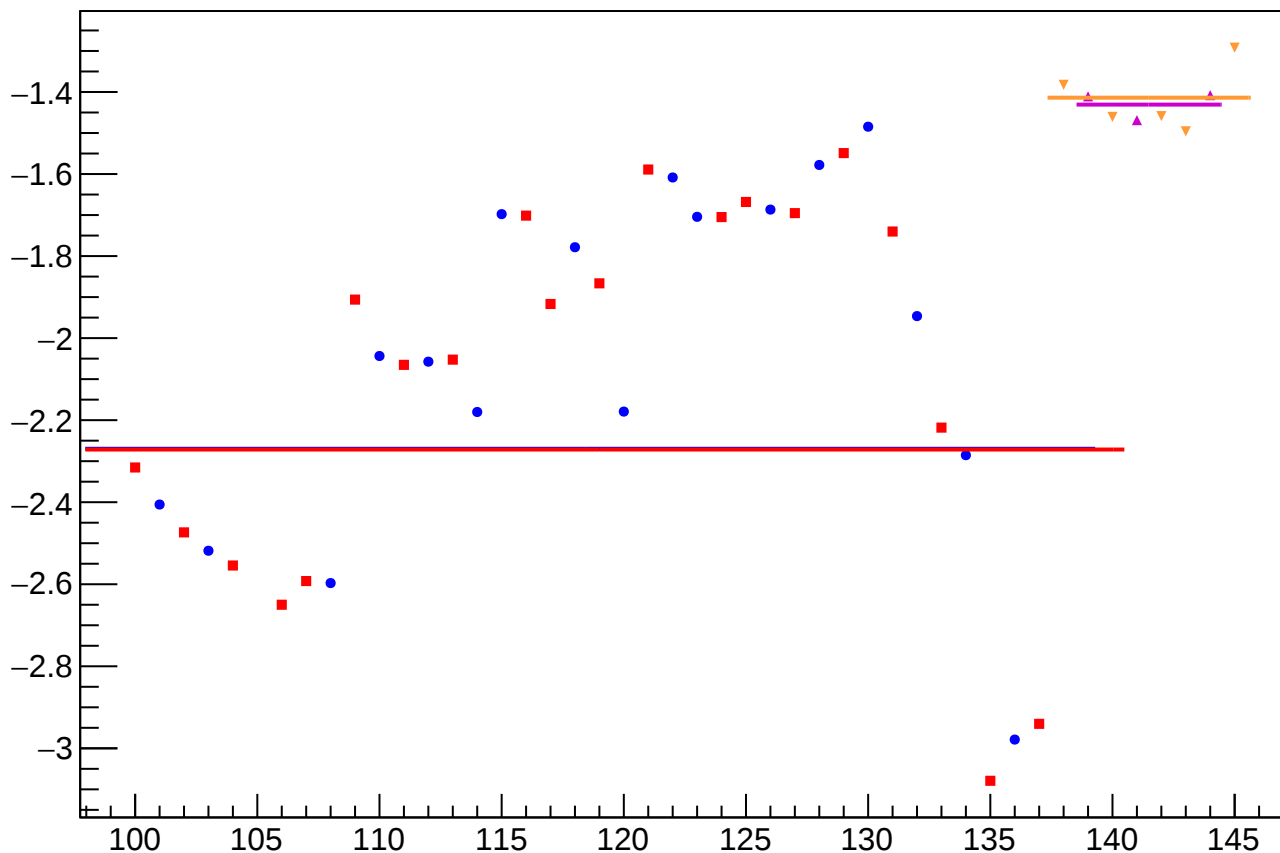
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 6301.6/2

0.009 $\pm$ 0.000 χ^2/NDF : 185253.0/21

0.009 $\pm$ 0.000 χ^2/NDF : 375980.7/44

0.009 $\pm$ 0.000 χ^2/NDF : 188799.1/22

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

-1.958+/-0.000 χ^2/NDF : 41170077503.9/21

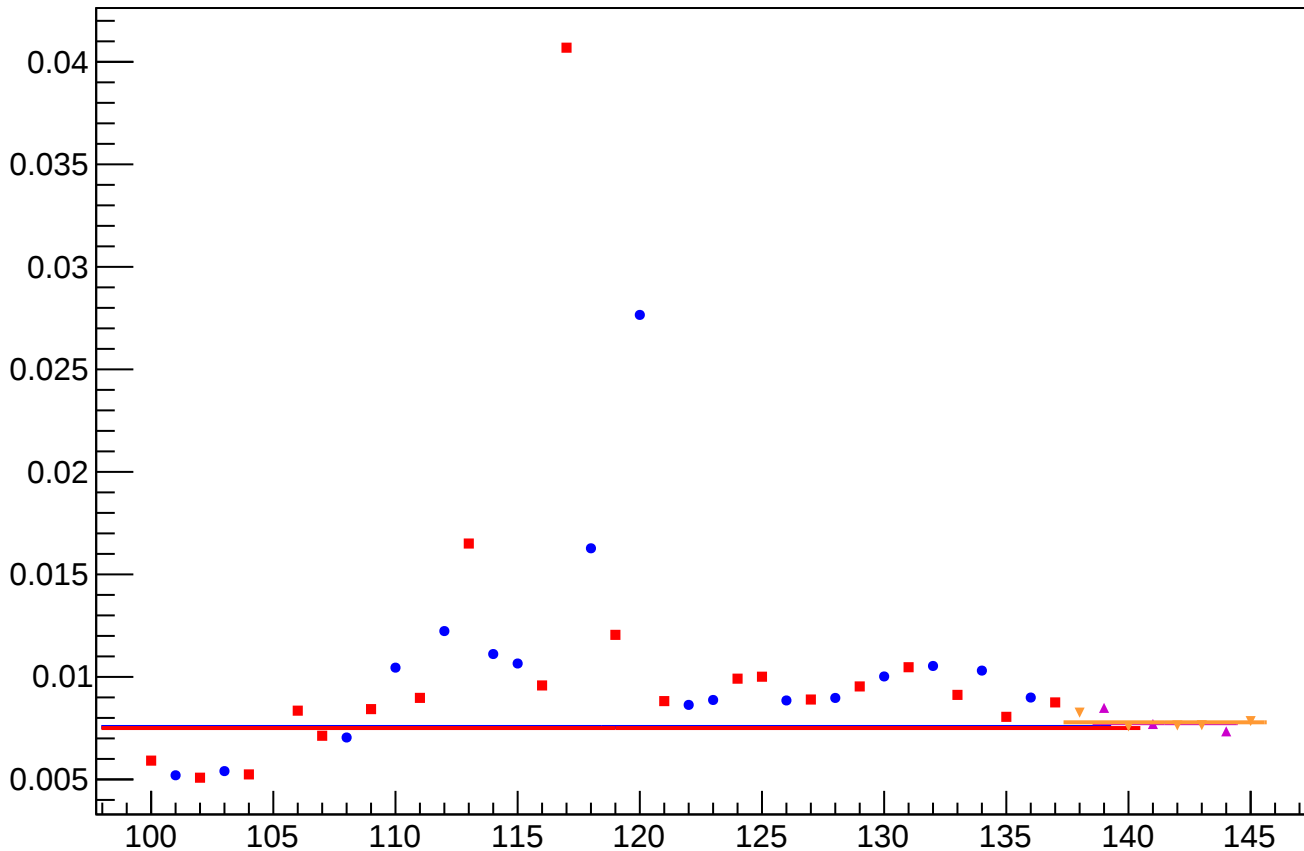
Right Out: -2.272+/-0.000 χ^2/NDF : 19012236430.2/19

-1.999+/-0.000 χ^2/NDF : 80028273113.1/4

-2.041+/-0.000 χ^2/NDF : 38392901281.4/22

Left In: -1.431+/-0.000 χ^2/NDF : 31396791.1/2

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

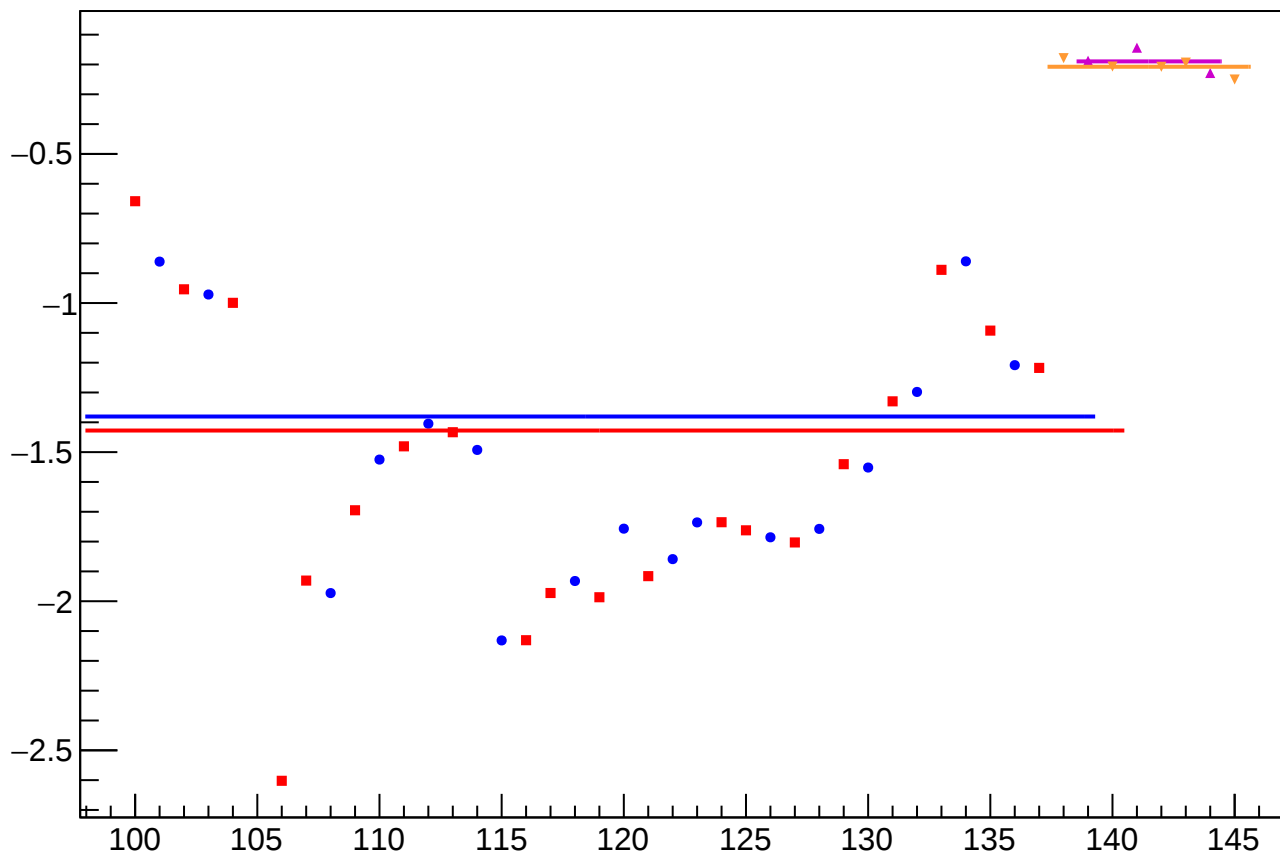
Left In: 0.008+/-0.000 χ^2/NDF : 14632.2/2

0.008+/-0.000 χ^2/NDF : 1230301.7/21

0.008+/-0.000 χ^2/NDF : 2233497.1/44

0.008+/-0.000 χ^2/NDF : 1002528.4/22

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.381+/-0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.208+/-0.000 χ^2/NDF : 116031748.3/4

Right Out: -1.428+/-0.000 χ^2/NDF : 29626603581.6/19

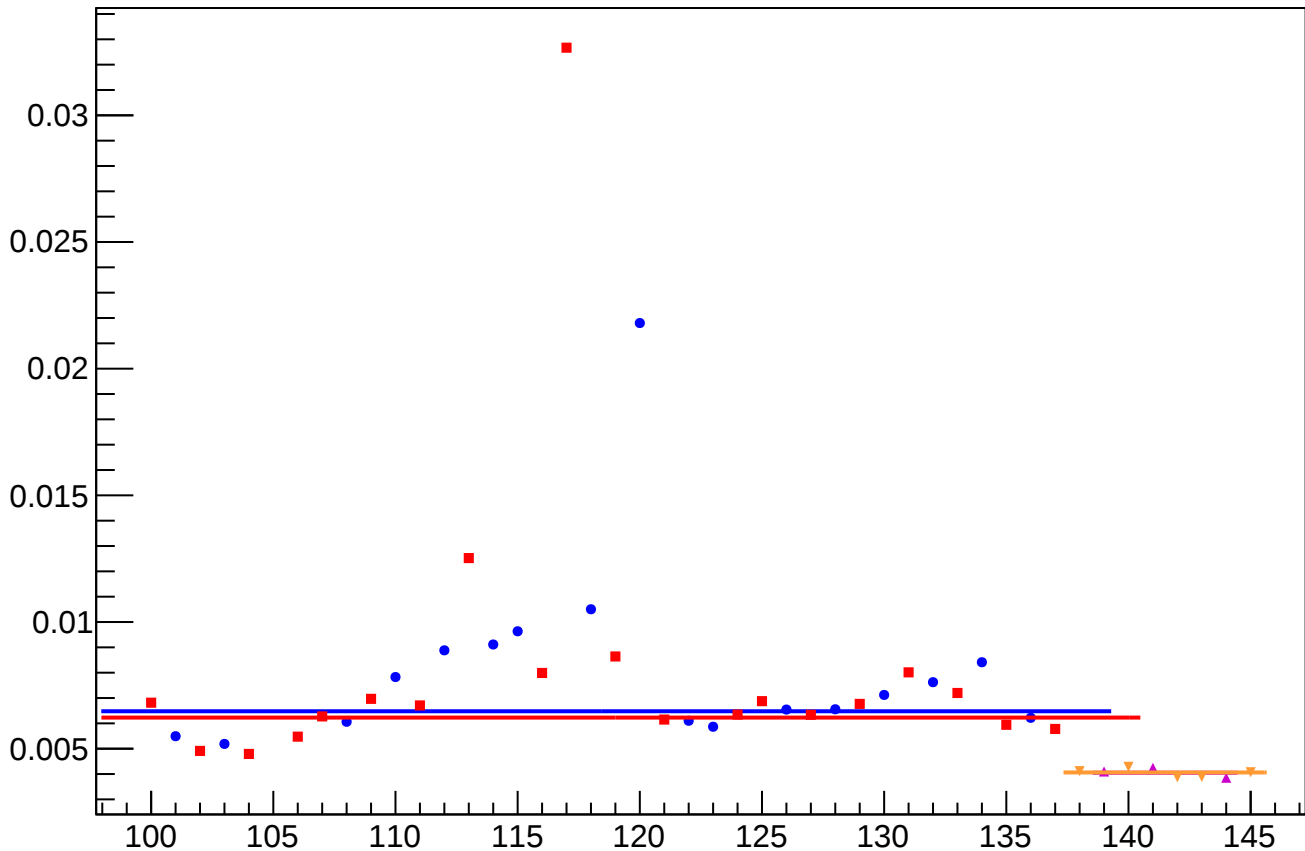
Left In: -0.190+/-0.000 χ^2/NDF : 175004322.3/2

-0.690+/-0.000 χ^2/NDF : 125274405864.1/21

-0.762+/-0.000 χ^2/NDF : 268774475268.3

-0.841+/-0.000 χ^2/NDF : 140041952972.3/22

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

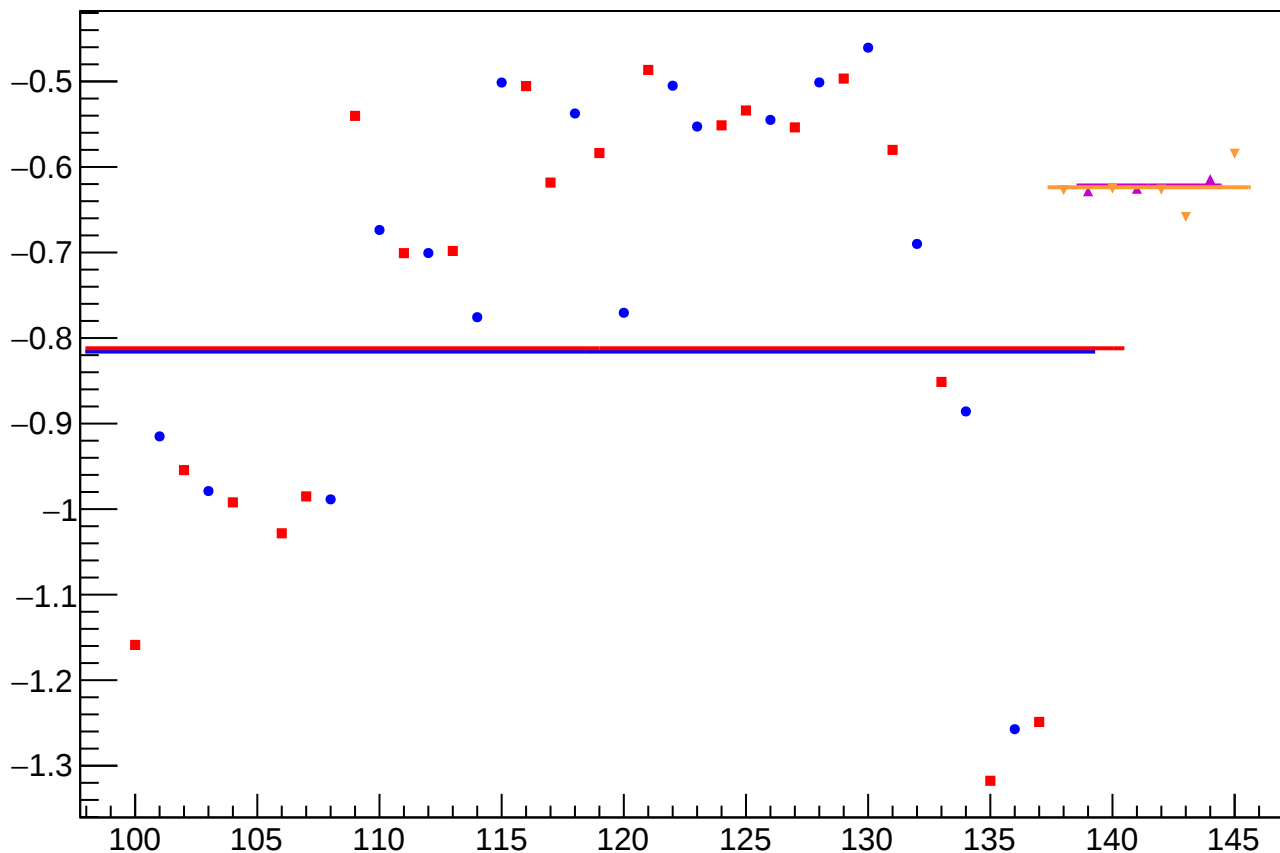
Left In: 0.004+/-0.000 χ^2/NDF : 7747.8/2

0.005+/-0.000 χ^2/NDF : 1472926.5/21

0.005+/-0.000 χ^2/NDF : 2641926.8/44

0.005+/-0.000 χ^2/NDF : 1162992.1/22

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

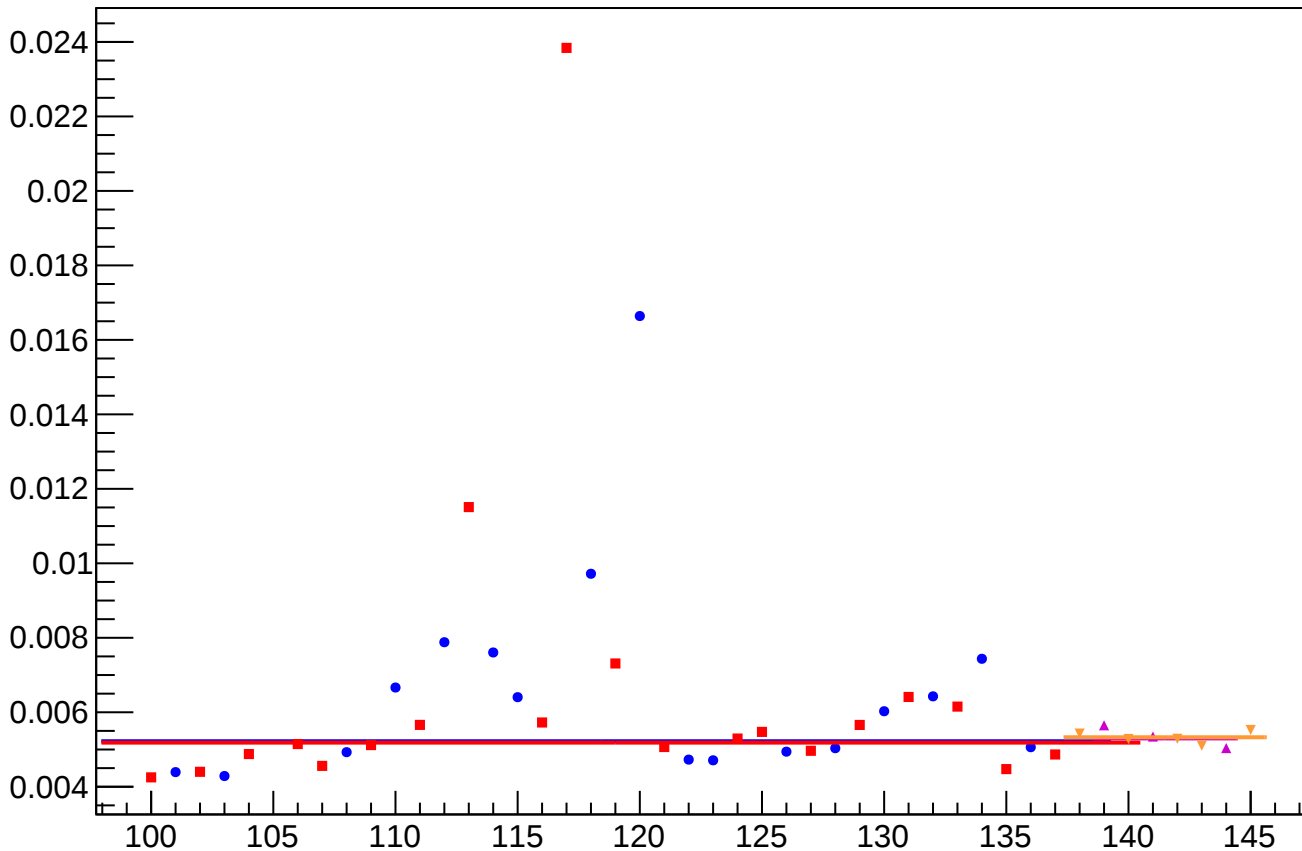
Left In: -0.622+/-0.000 χ^2/NDF : 3110185.0/2

-0.748+/-0.000 χ^2/NDF : 16785321652.1/21

-0.755+/-0.000 χ^2/NDF : 35767298021.3/4

-0.761+/-0.000 χ^2/NDF : 18955237521.5/22

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

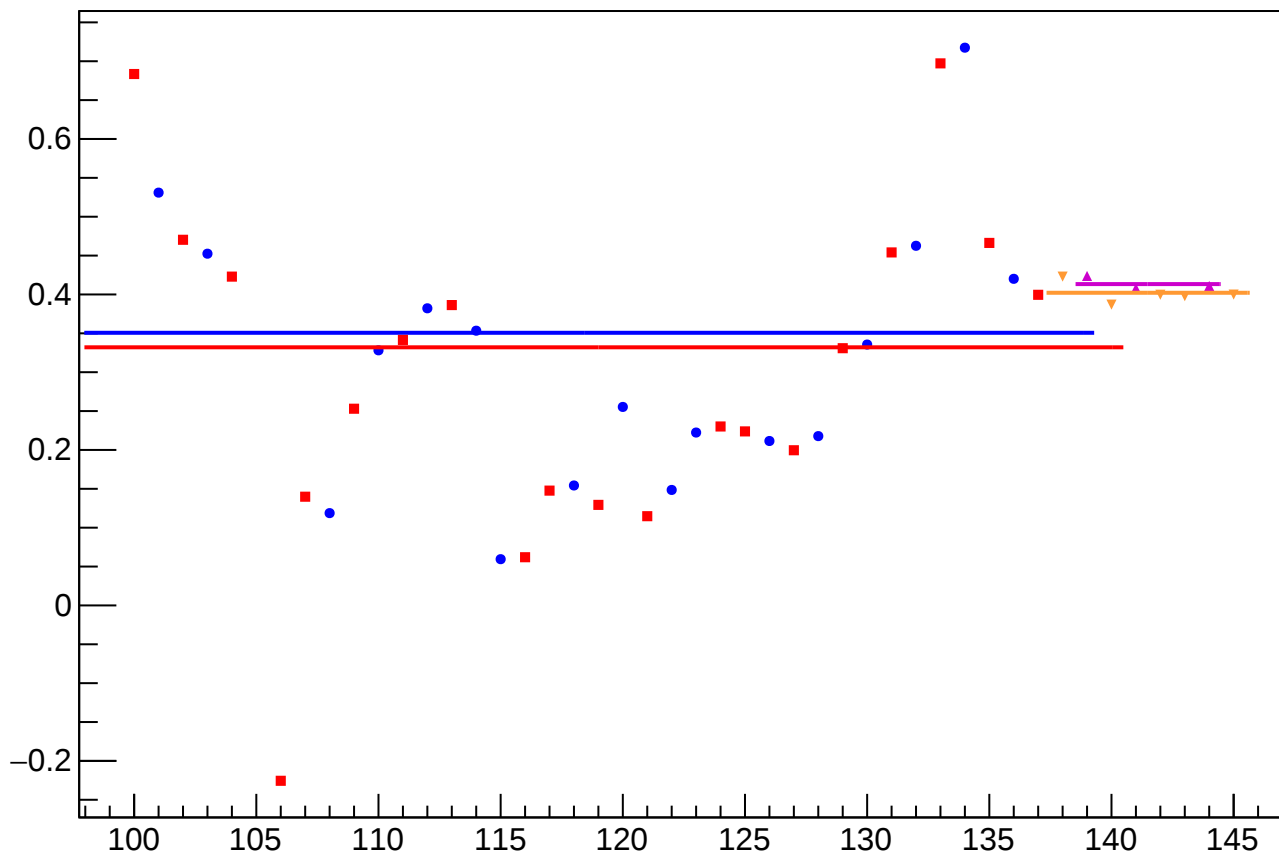
Left In: 0.005+/-0.000 χ^2/NDF : 9335.6/2

0.005+/-0.000 χ^2/NDF : 670509.0/21

0.005+/-0.000 χ^2/NDF : 1092568.8/44

0.005+/-0.000 χ^2/NDF : 421476.3/22

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

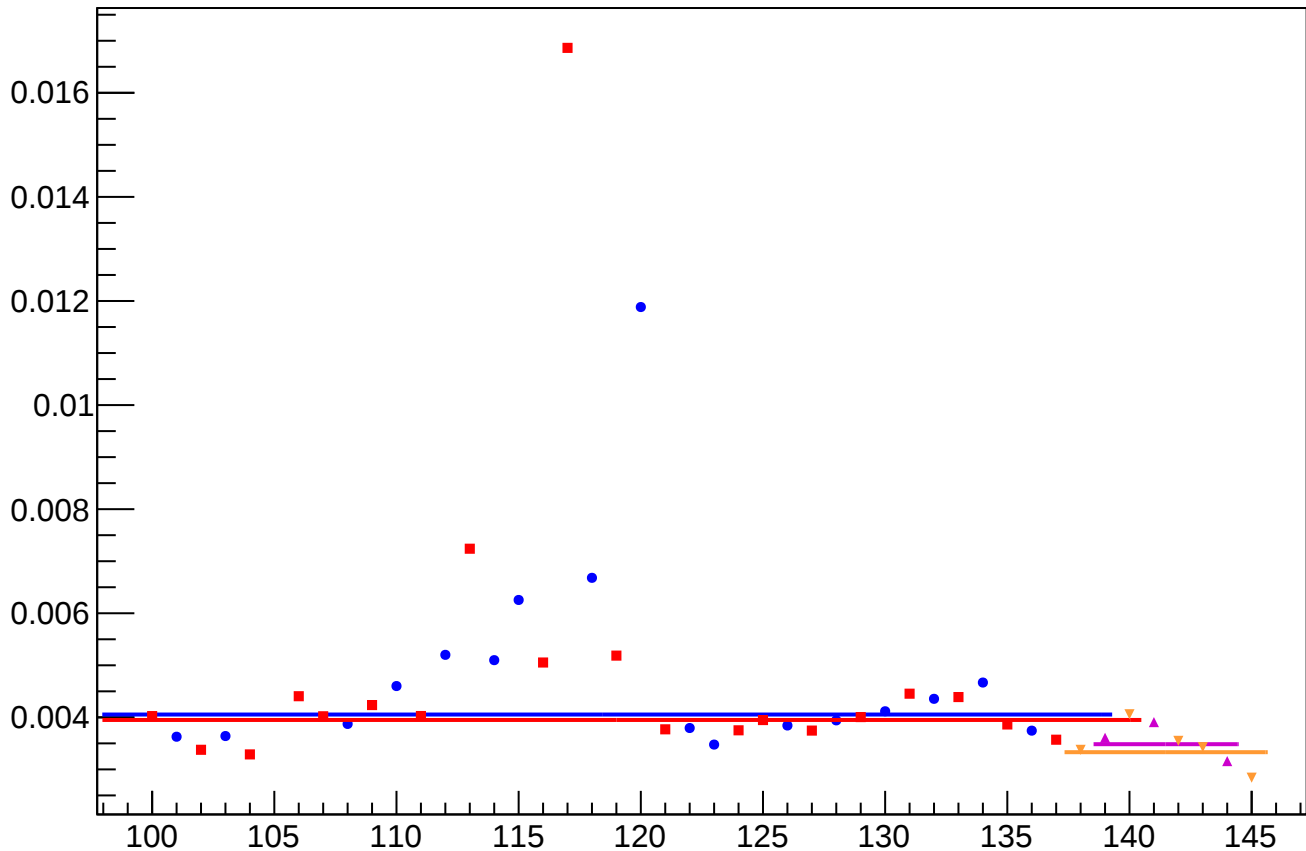
Left In: 0.413 $\pm$ 0.000 χ^2/NDF : 6334951.8/2

0.372 $\pm$ 0.000 χ^2/NDF : 7820955708.2/21

0.364 $\pm$ 0.000 χ^2/NDF : 20463108612.1/4

0.356 $\pm$ 0.000 χ^2/NDF : 12568456011.3/22

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

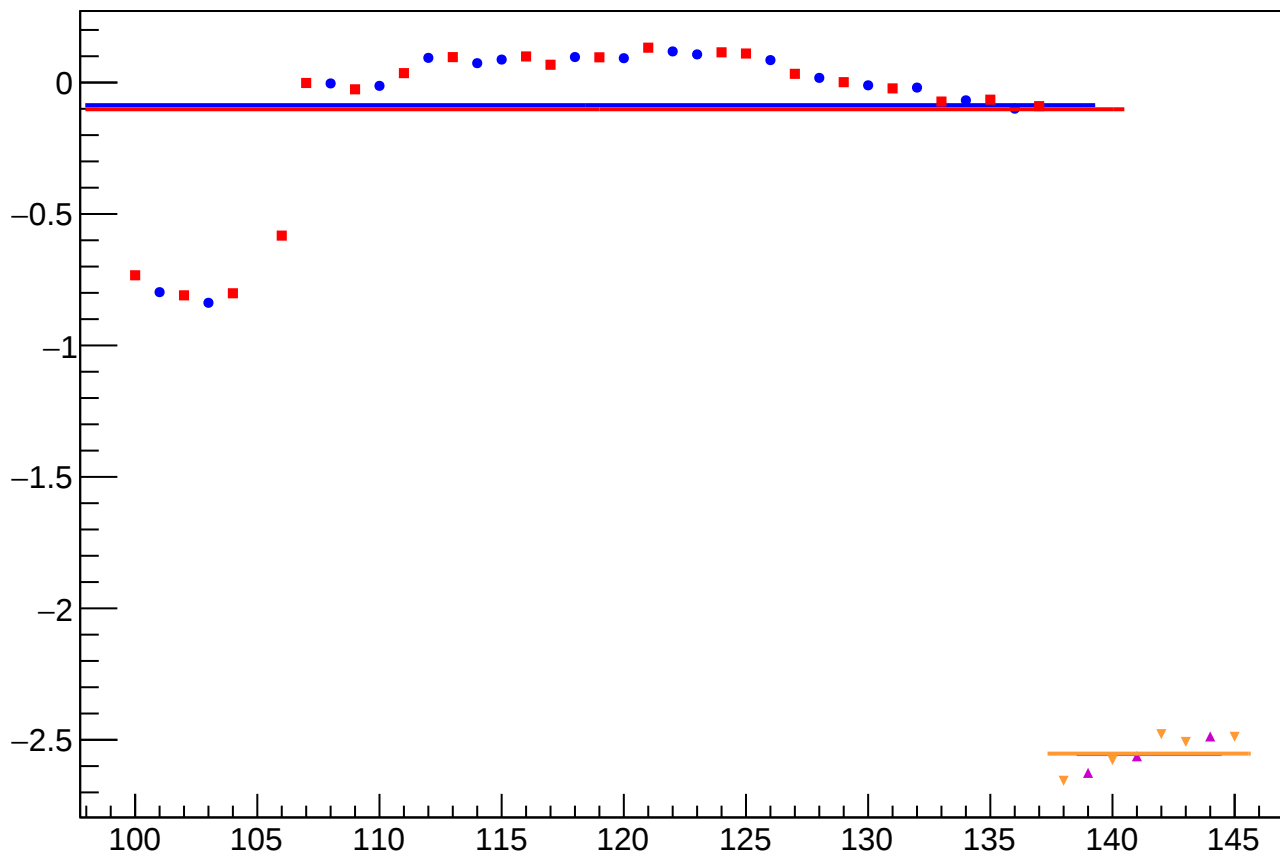
Left In: 0.003+/-0.000 χ^2/NDF :33758.7/2

0.004+/-0.000 χ^2/NDF : 689786.7/21

0.004+/-0.000 χ^2/NDF : 1080272.7/44

0.004+/-0.000 χ^2/NDF : 388619.8/22

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.086 $\pm$ 0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.552 $\pm$ 0.000 χ^2/NDF : 82762737.4/4

Right Out: -0.102 $\pm$ 0.000 χ^2/NDF : 5566142794.2/19

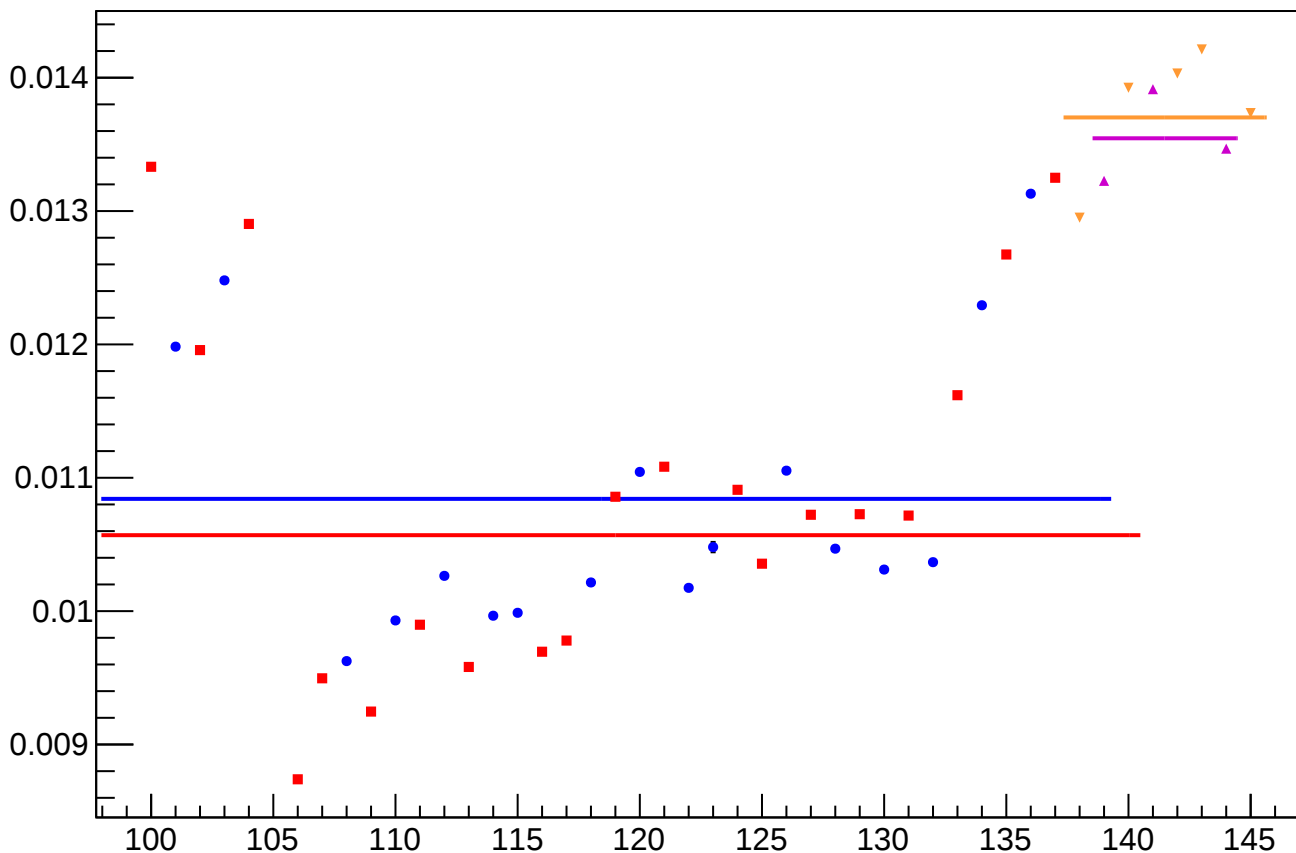
Left In: -2.554 $\pm$ 0.000 χ^2/NDF : 41248354.0/2

-0.670 $\pm$ 0.000 χ^2/NDF : 86462181702.1/21

-0.593 $\pm$ 0.000 χ^2/NDF : 157444465216.0

-0.518 $\pm$ 0.000 χ^2/NDF : 70112164357.0/22

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

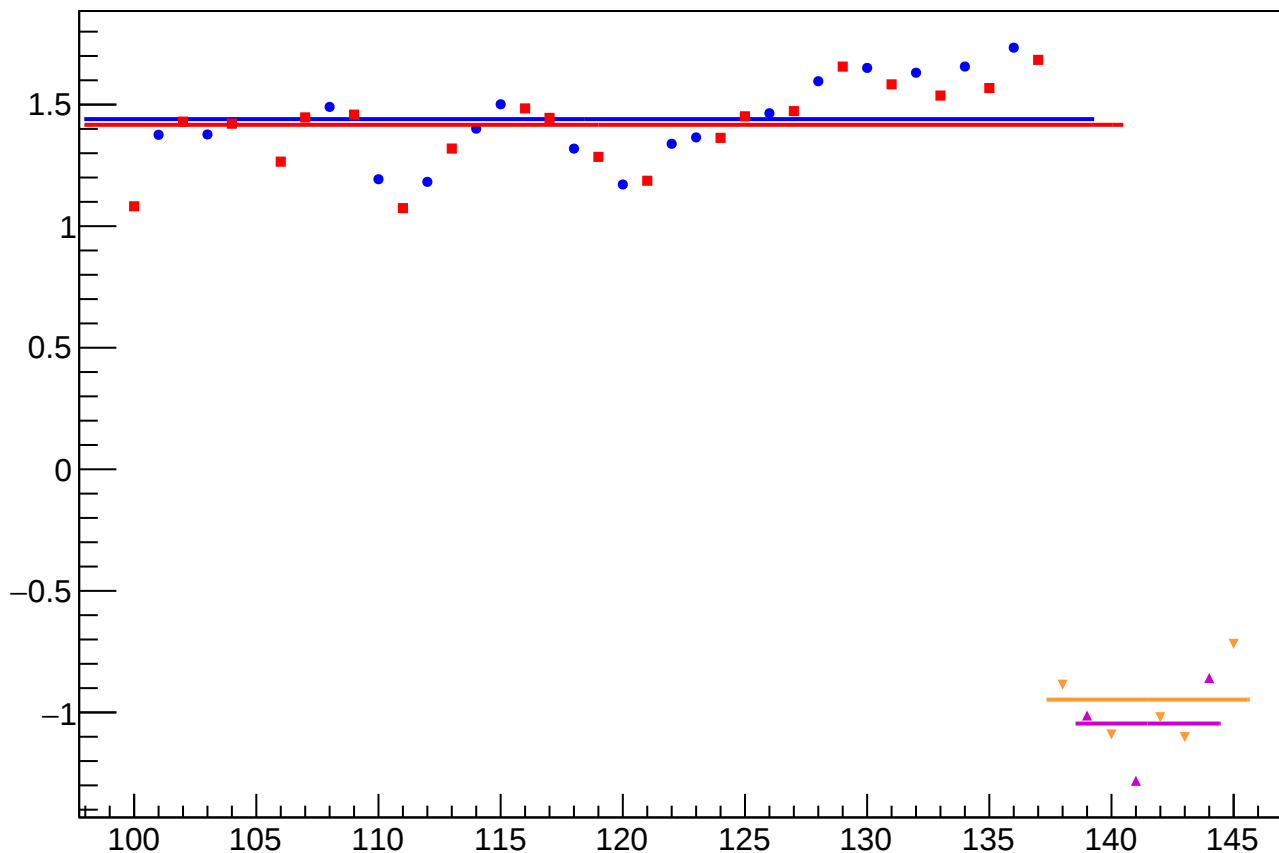
Left In: 0.014+/-0.000 χ^2/NDF : 2025.5/2

0.012+/-0.000 χ^2/NDF : 350448.3/21

0.011+/-0.000 χ^2/NDF : 736840.2/44

0.011+/-0.000 χ^2/NDF : 371555.9/22

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.440 $\pm$ 0.000 χ^2/NDF : 3449252780.8/16

Left Out: -0.947 $\pm$ 0.000 χ^2/NDF : 685395977.1/4

Right Out: 1.417 $\pm$ 0.000 χ^2/NDF : 2674679406.4/19

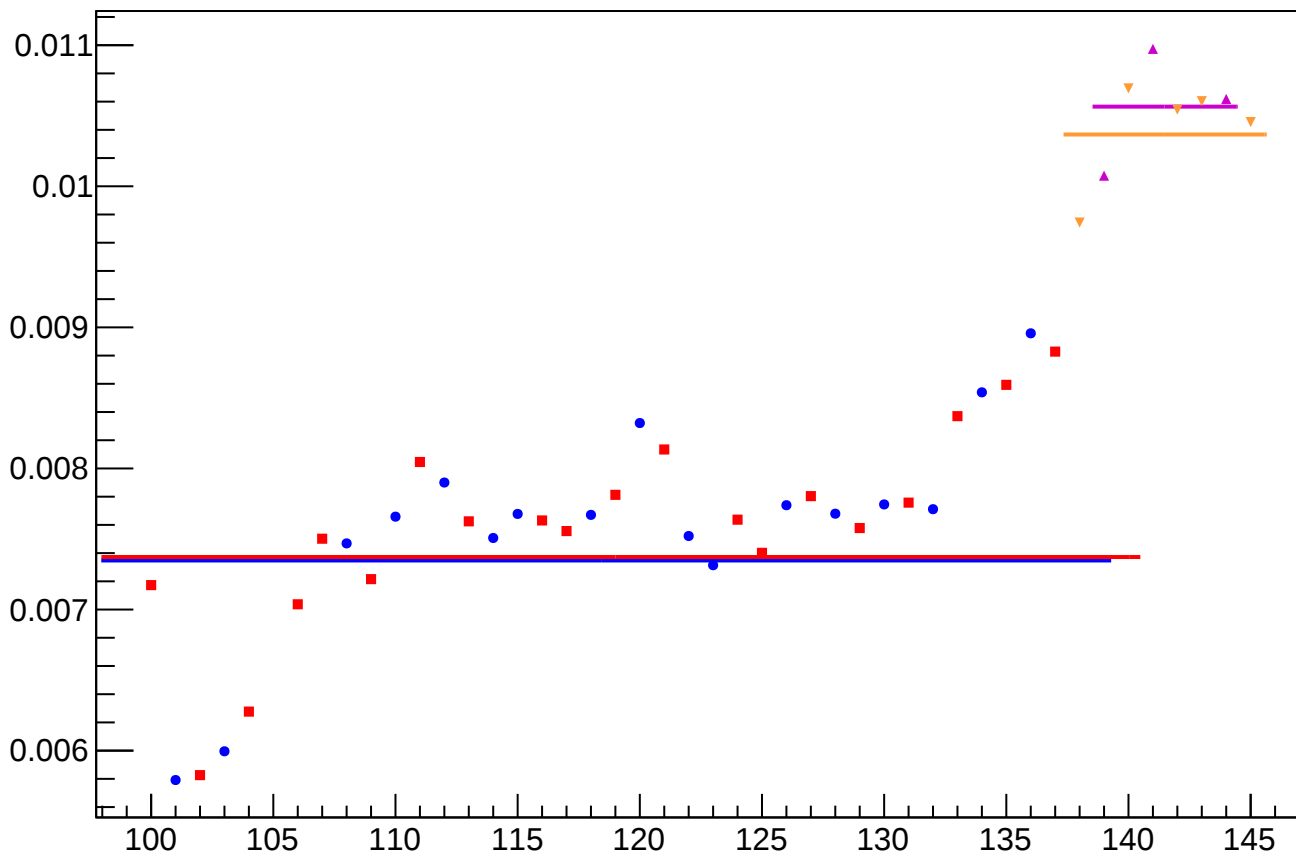
Left In: -1.046 $\pm$ 0.000 χ^2/NDF : 661331926.7/2

0.959 $\pm$ 0.000 χ^2/NDF : 144291536170.9/21

1.015 $\pm$ 0.000 χ^2/NDF : 259404480249.9/21

1.070 $\pm$ 0.000 χ^2/NDF : 114174885199.1/22

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

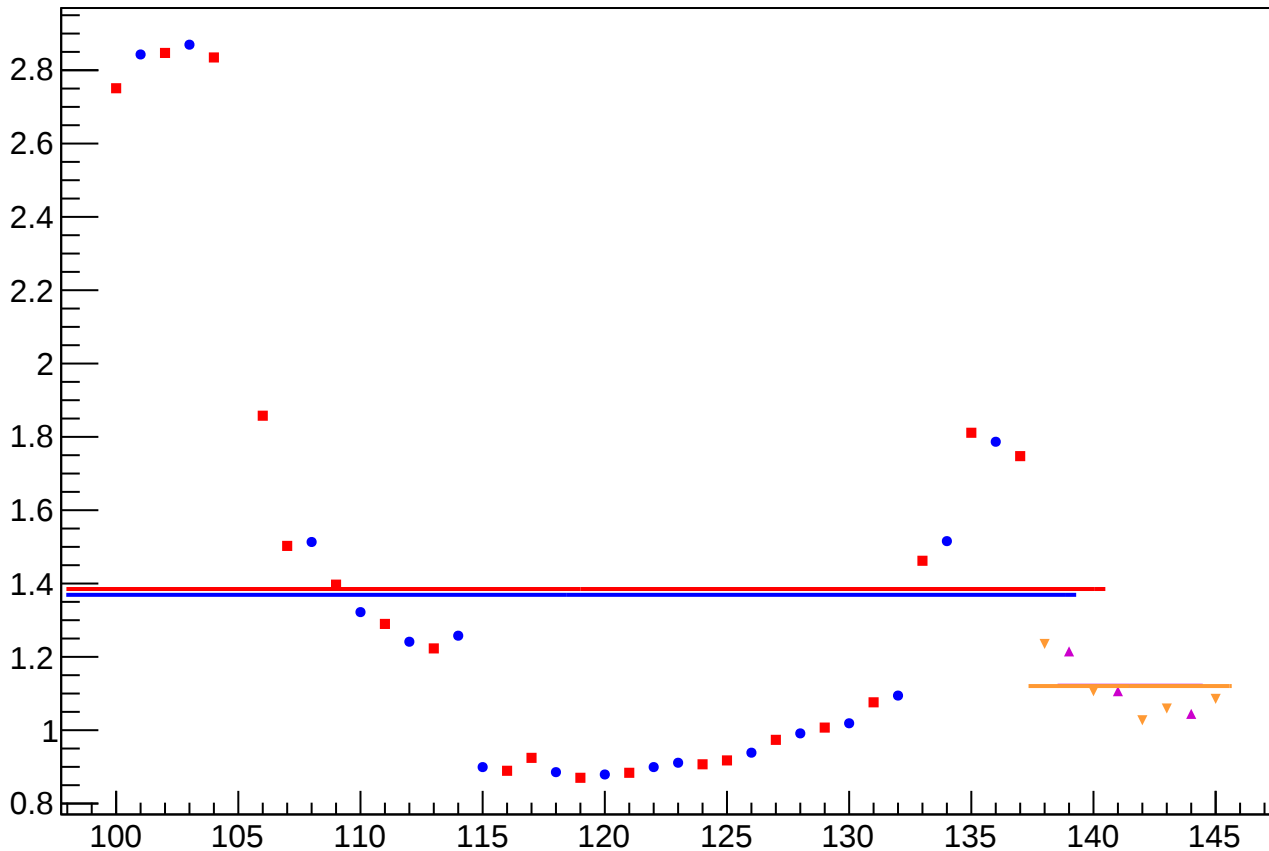
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 5593.0/2

0.008 $\pm$ 0.000 χ^2/NDF : 684791.9/21

0.008 $\pm$ 0.000 χ^2/NDF : 1238383.3/44

0.008 $\pm$ 0.000 χ^2/NDF : 550840.2/22

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.369 $\pm$ 0.000 χ^2 /NDF: 54205395389.8/16

Left Out: 1.120 $\pm$ 0.000 χ^2 /NDF: 267262795.6/4

Right Out: 1.385 $\pm$ 0.000 χ^2 /NDF: 50114562617.6/19

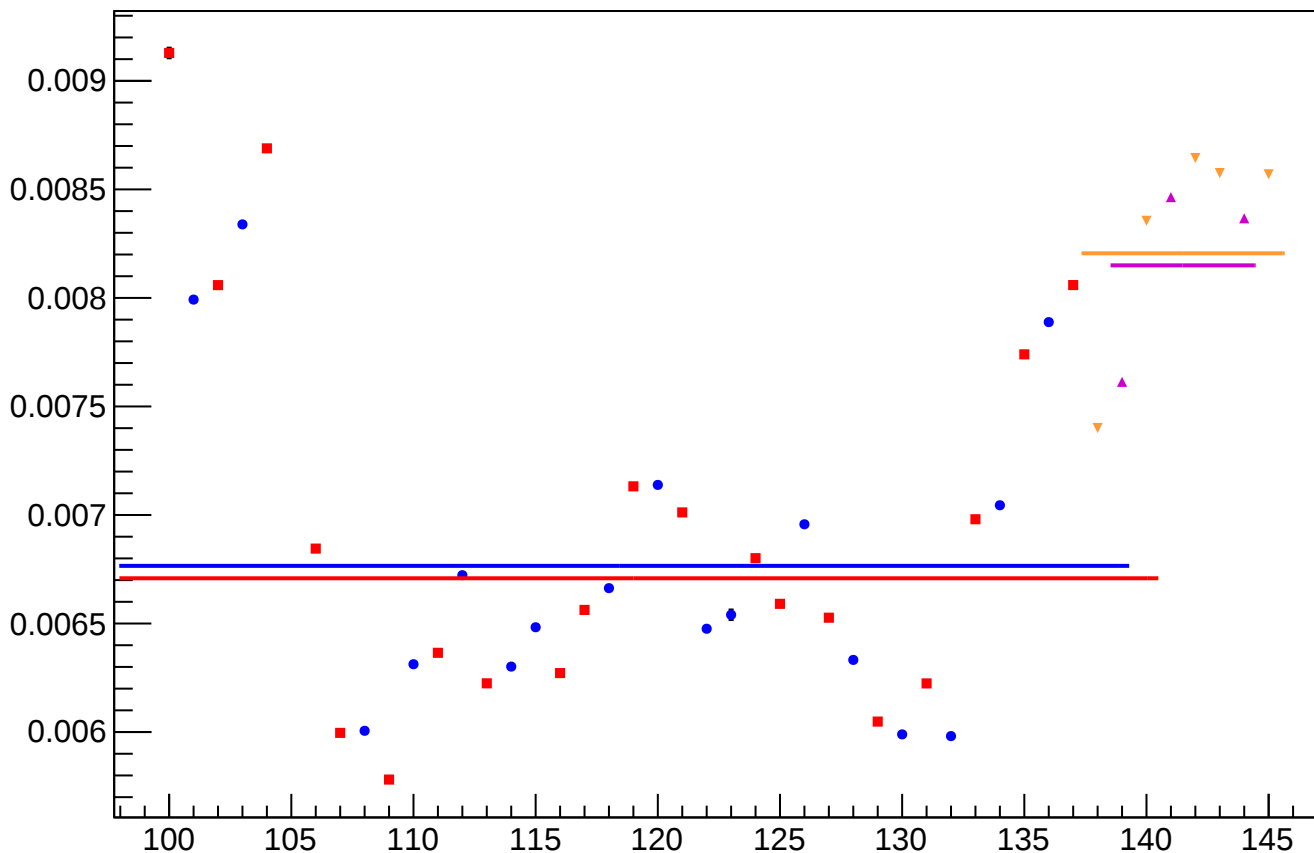
Left In: 1.121 $\pm$ 0.000 χ^2 /NDF: 175396480.0/2

1.307 $\pm$ 0.000 χ^2 /NDF: 56693854064.6/21

1.322 $\pm$ 0.000 χ^2 /NDF: 109069507921.1/

1.337 $\pm$ 0.000 χ^2 /NDF: 52294201589.9/22

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 159554.9/16

Left Out: 0.008+/-0.000 χ^2/NDF :24502.3/4

Right Out: 0.007+/-0.000 χ^2/NDF : 187869.7/19

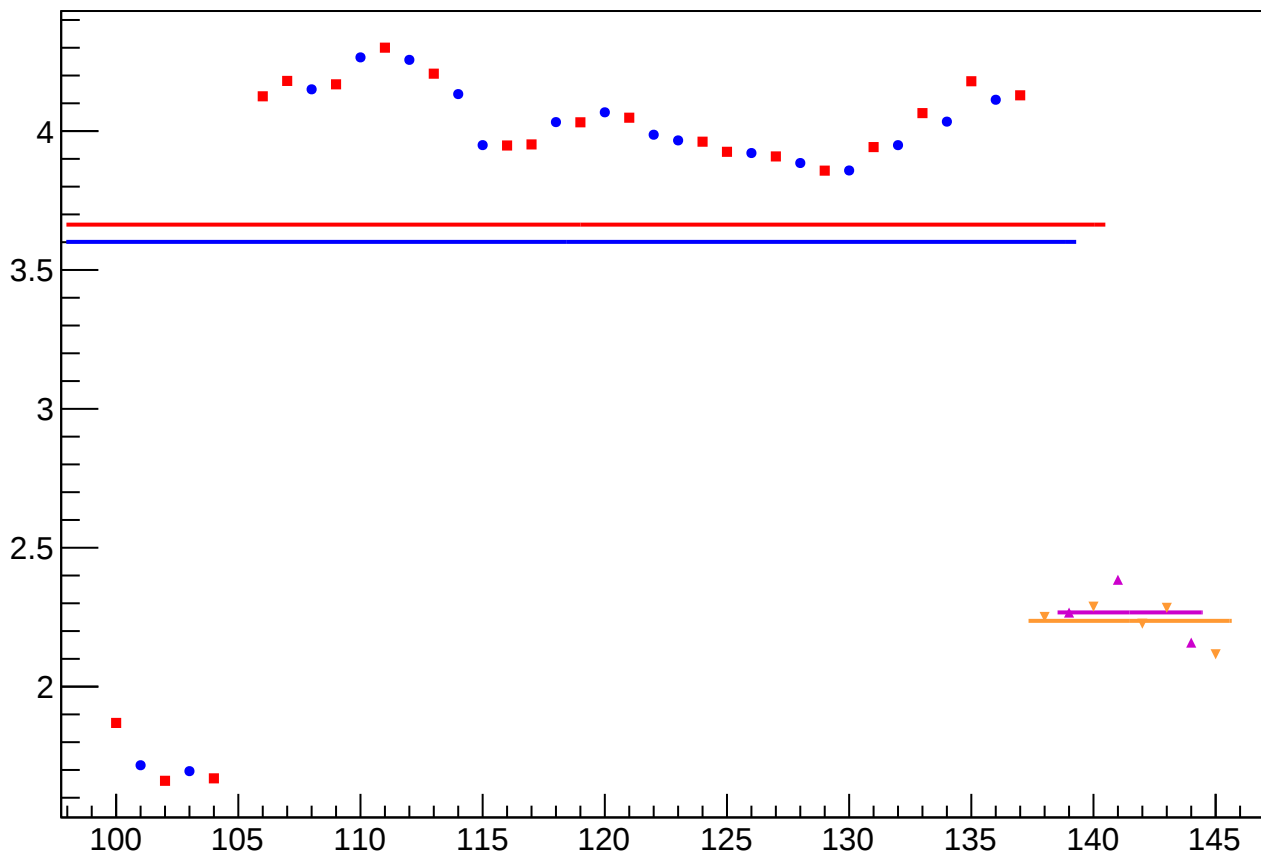
Left In: 0.008+/-0.000 χ^2/NDF :10143.8/2

0.007+/-0.000 χ^2/NDF : 332873.5/21

0.007+/-0.000 χ^2/NDF : 654907.8/44

0.007+/-0.000 χ^2/NDF : 317738.2/22

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.601+/-0.000 χ^2/NDF : 185806937655.3/16

Left Out: 2.237+/-0.000 χ^2/NDF : 232885159.8/4

3.304+/-0.000 χ^2/NDF : 273653757149.6/21

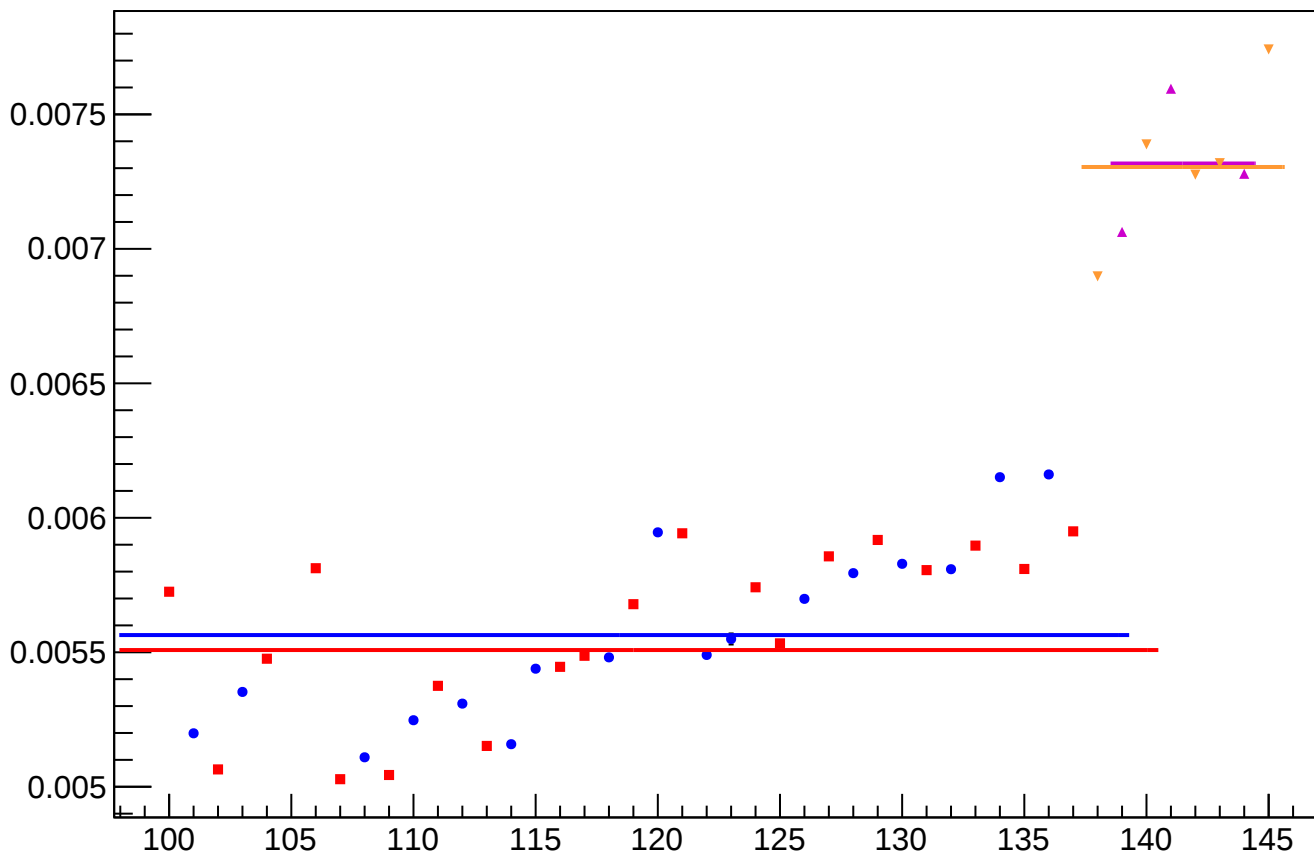
Right Out: 3.663+/-0.000 χ^2/NDF : 192640409625.9/19

3.372+/-0.000 χ^2/NDF : 541060687816.8/21

3.440+/-0.000 χ^2/NDF : 264841049773.5/22

Left In: 2.267+/-0.000 χ^2/NDF : 386976149.0/2

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

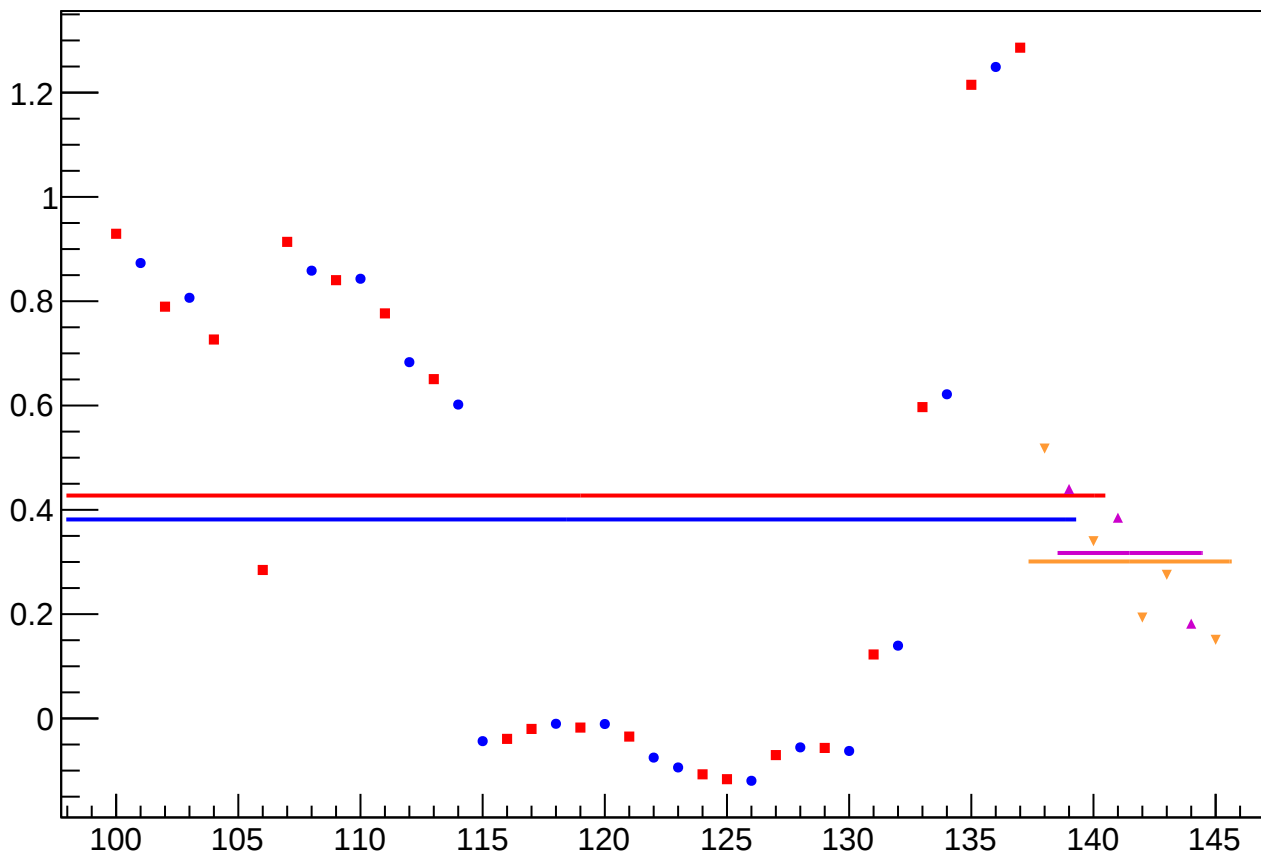
Left In: 0.007+/-0.000 χ^2/NDF :4055.0/2

0.006+/-0.000 χ^2/NDF : 342372.0/21

0.006+/-0.000 χ^2/NDF : 646096.7/44

0.006+/-0.000 χ^2/NDF : 297846.0/22

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

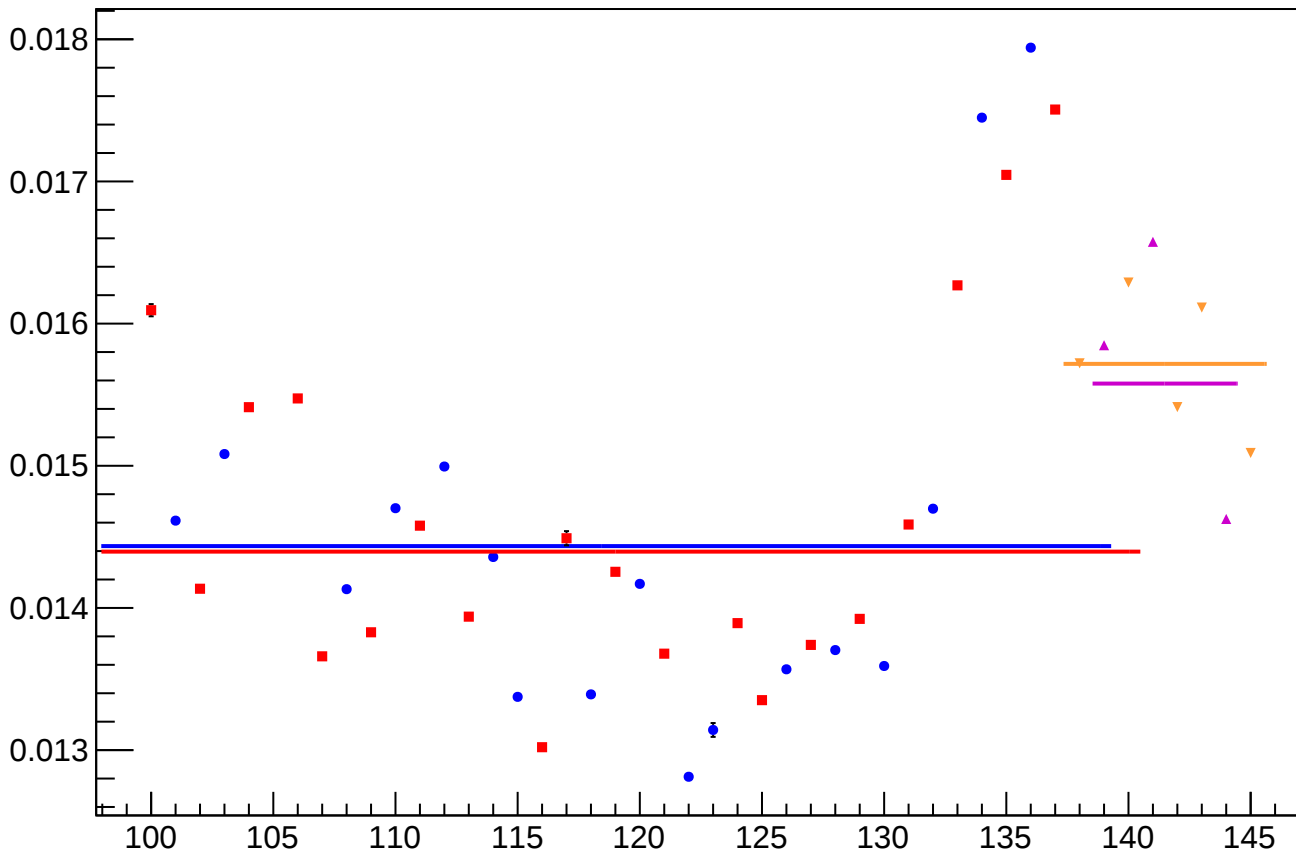
Left In: 0.317+/-0.000 χ^2/NDF : 127489515.8/2

0.358+/-0.000 χ^2/NDF : 7423167079.8/21

0.380+/-0.000 χ^2/NDF : 14403296024.0/4

0.403+/-0.000 χ^2/NDF : 6935526096.6/22

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 110224.4/16

Left Out: 0.016 $\pm$ 0.000 χ^2/NDF : 5580.0/4

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 74535.1/19

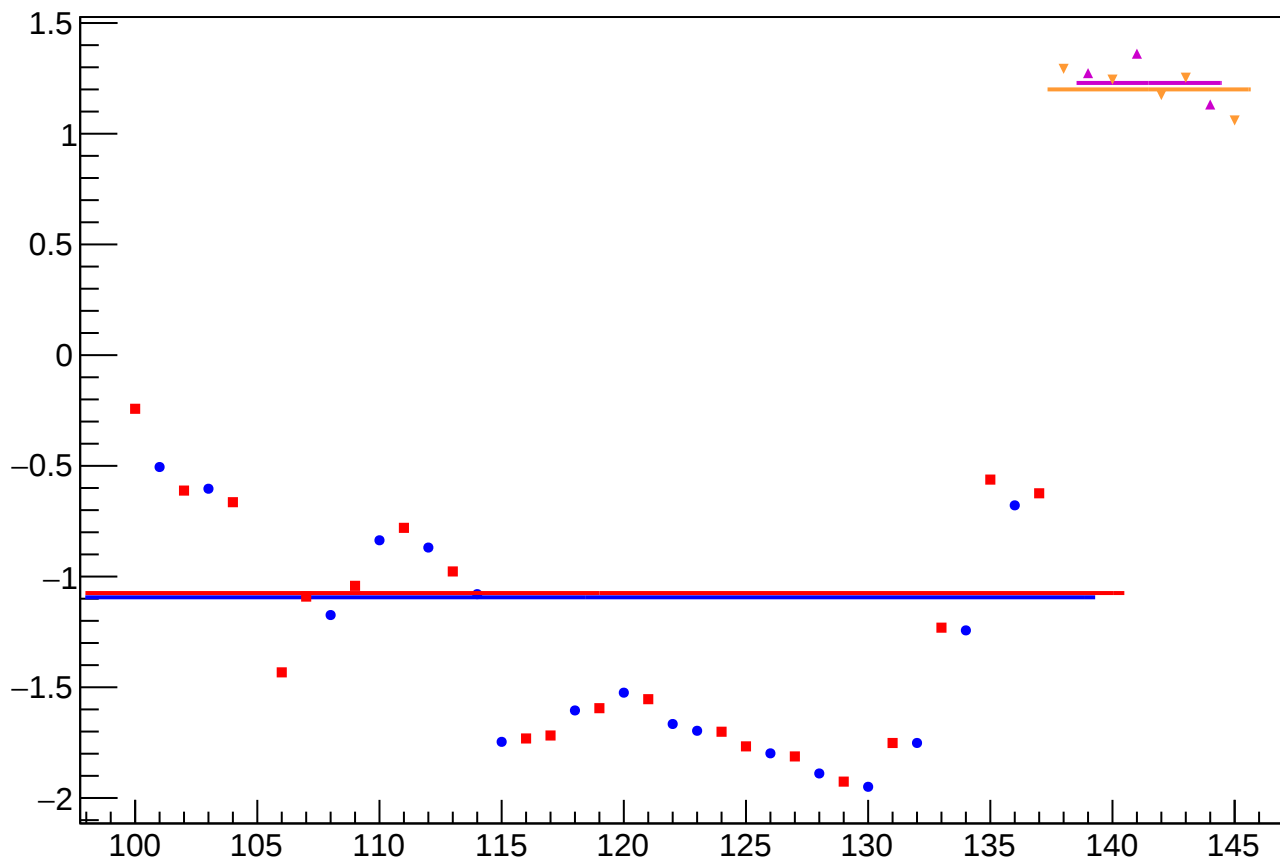
Left In: 0.016 $\pm$ 0.000 χ^2/NDF : 13672.2/2

0.015 $\pm$ 0.000 χ^2/NDF : 146531.9/21

0.015 $\pm$ 0.000 χ^2/NDF : 256835.2/44

0.015 $\pm$ 0.000 χ^2/NDF : 109291.2/22

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.094+/-0.000 χ^2/NDF : 55960104370.4/16

Left Out: 1.200+/-0.000 χ^2/NDF : 1681624044.8/4

Right Out: -1.074+/-0.000 χ^2/NDF : 47208439320.8/19

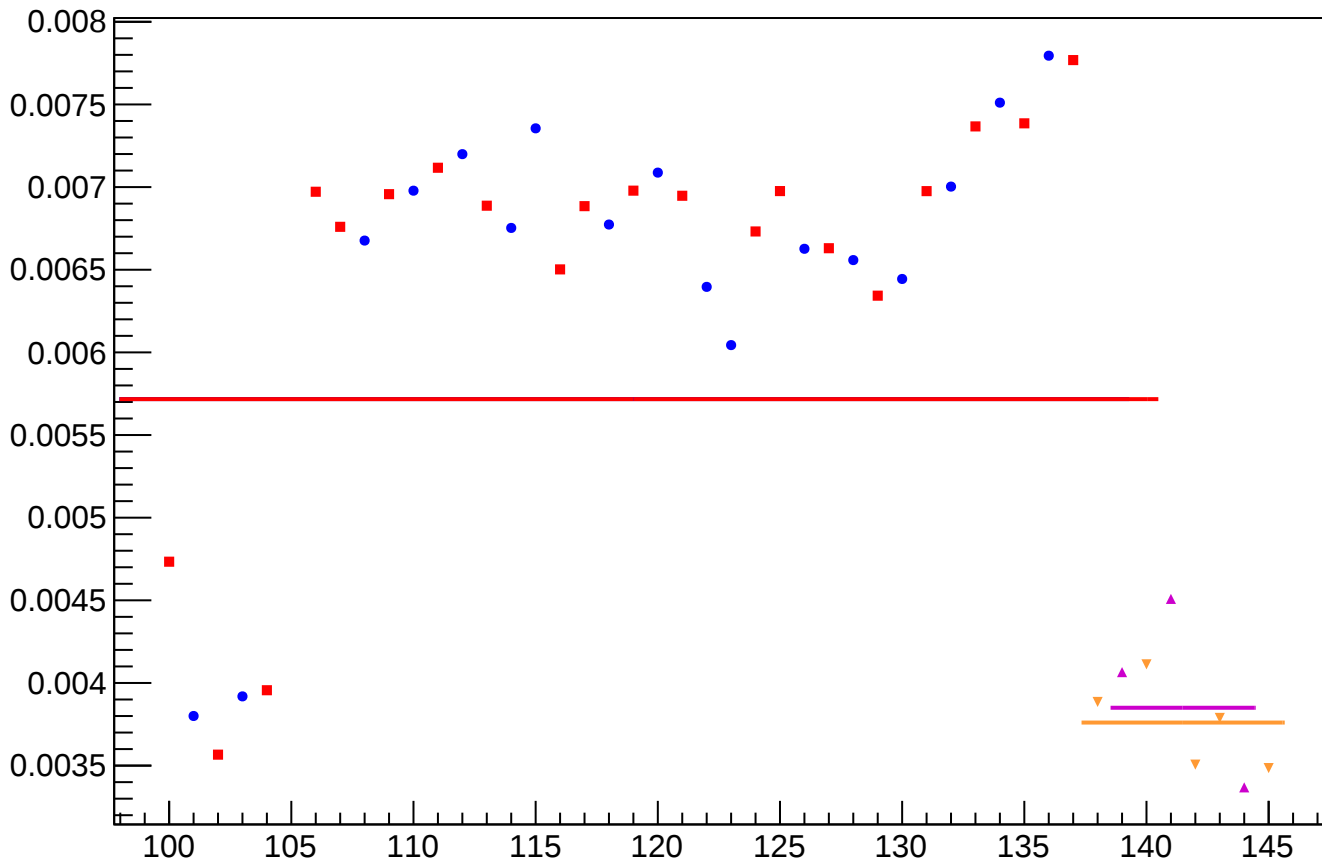
Left In: 1.229+/-0.000 χ^2/NDF : 1431814862.9/2

0.153+/-0.000 χ^2/NDF : 577094710119.5/21

0.055+/-0.000 χ^2/NDF : 1077384555063.1

-0.059+/-0.000 χ^2/NDF : 492033210777.4/22

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 837775.0/16

Left Out: 0.004+/-0.000 χ^2/NDF :25007.5/4

Right Out: 0.006+/-0.000 χ^2/NDF : 925957.4/19

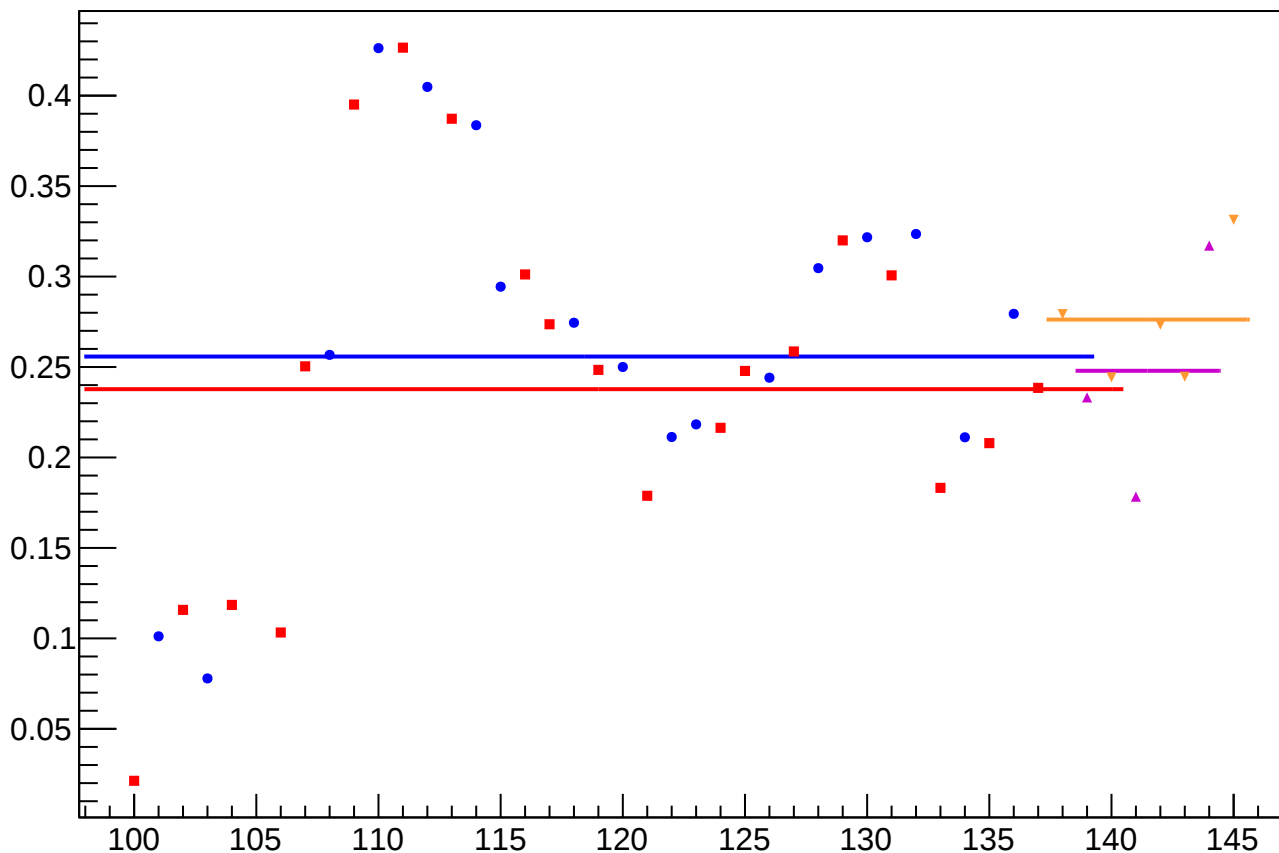
Left In: 0.004+/-0.000 χ^2/NDF :70488.5/2

0.005+/-0.000 χ^2/NDF : 1619019.3/21

0.005+/-0.000 χ^2/NDF : 3219141.5/44

0.005+/-0.000 χ^2/NDF : 1578930.8/22

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.256 $\pm$ 0.000 χ^2 /NDF: 21365489849.4/16

Left Out: 0.276 $\pm$ 0.000 χ^2 /NDF:1425319144.8/4

Right Out: 0.238 $\pm$ 0.000 χ^2 /NDF: 26077768189.7/19

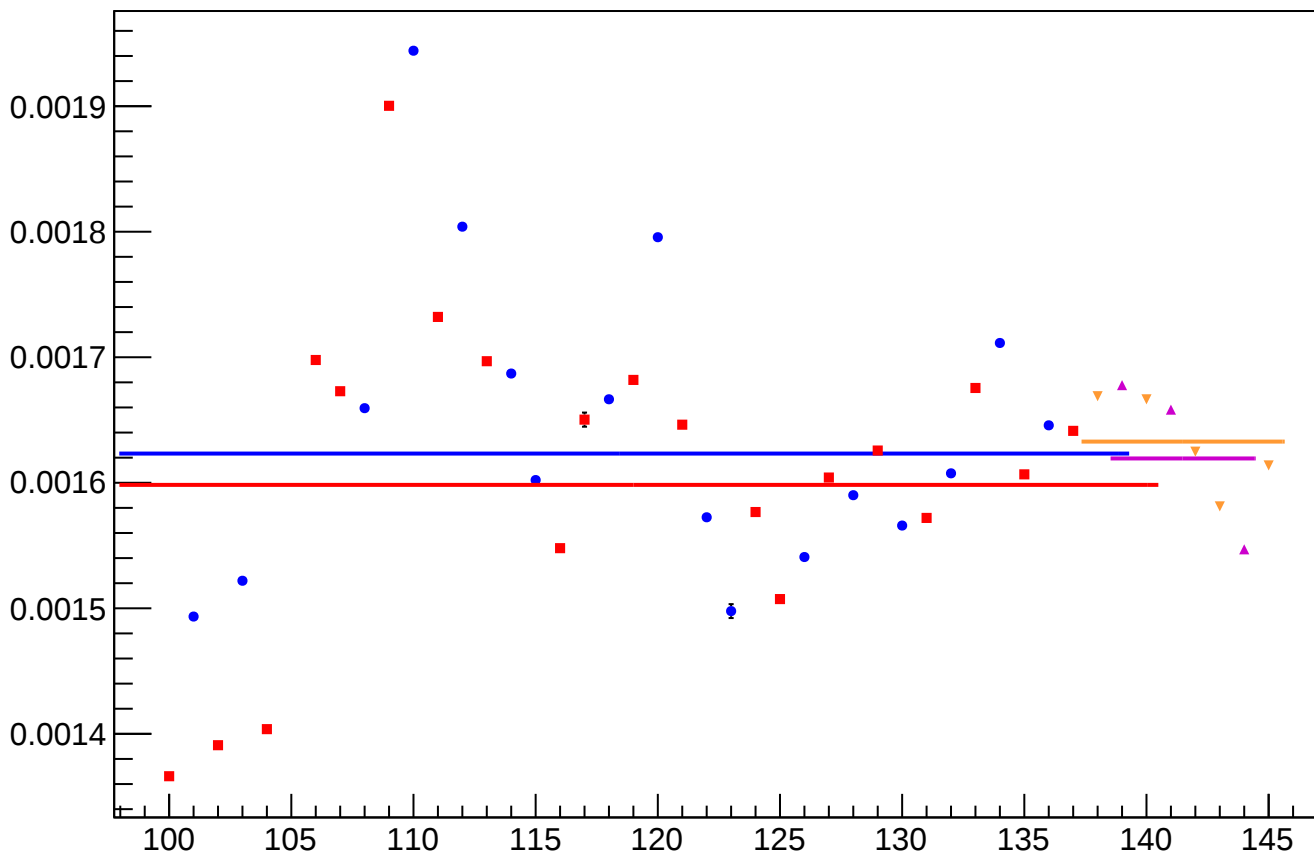
Left In: 0.248 $\pm$ 0.000 χ^2 /NDF:3240989124.4/2

0.263 $\pm$ 0.000 χ^2 /NDF: 23134578752.0/21

0.252 $\pm$ 0.000 χ^2 /NDF: 53441478812.8/4

0.240 $\pm$ 0.000 χ^2 /NDF: 29388912719.0/22

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

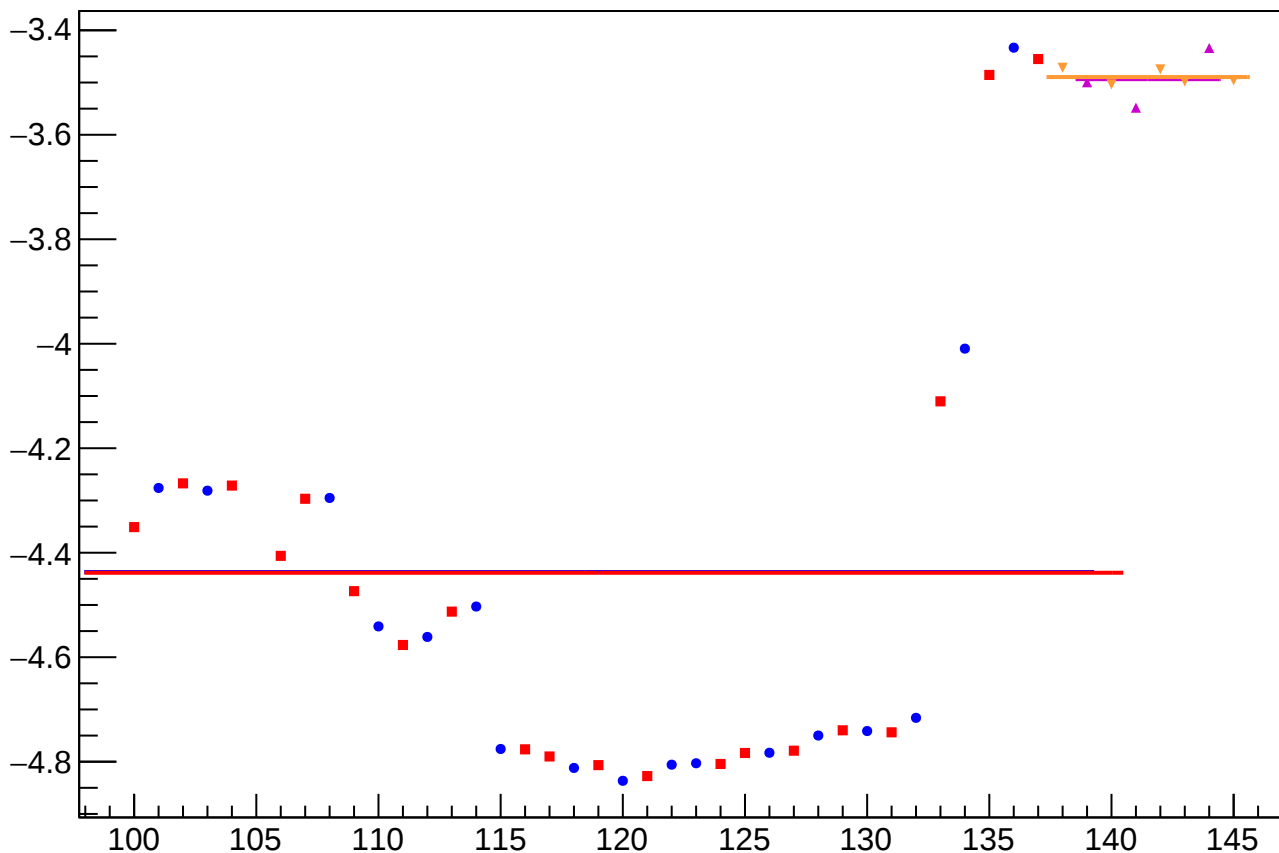
Left In: 0.002+/-0.000 χ^2/NDF : 6311.9/2

0.002+/-0.000 χ^2/NDF : 55438.9/21

0.002+/-0.000 χ^2/NDF : 155044.5/44

0.002+/-0.000 χ^2/NDF : 97678.4/22

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

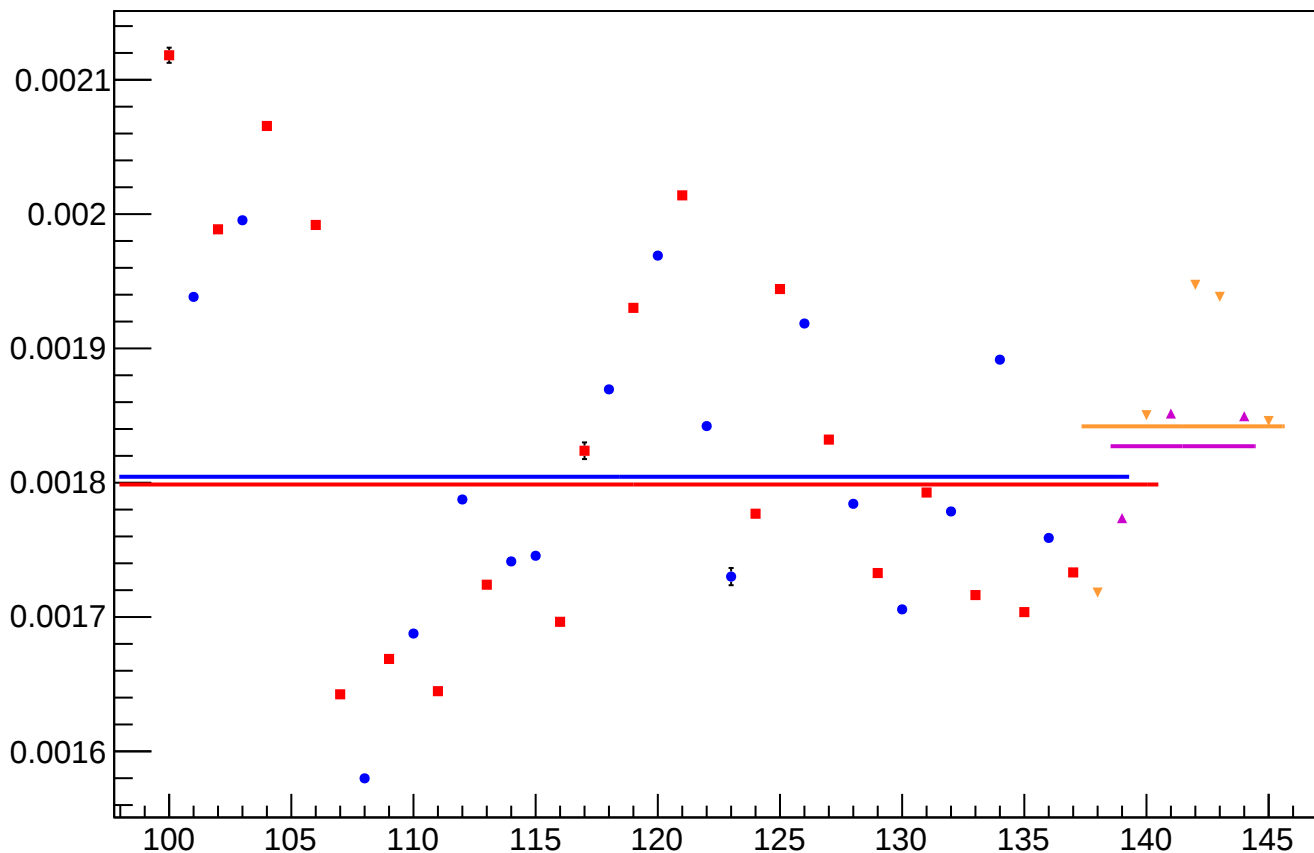
Right Out: -4.438+/-0.000 χ^2/NDF : 326800745779.7/19

-4.170+/-0.000 χ^2/NDF : 1769385002682.

-4.206+/-0.000 χ^2/NDF : 797519361586.6/22

Left In: -3.494+/-0.000 χ^2/NDF : 1594659968.7/2

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

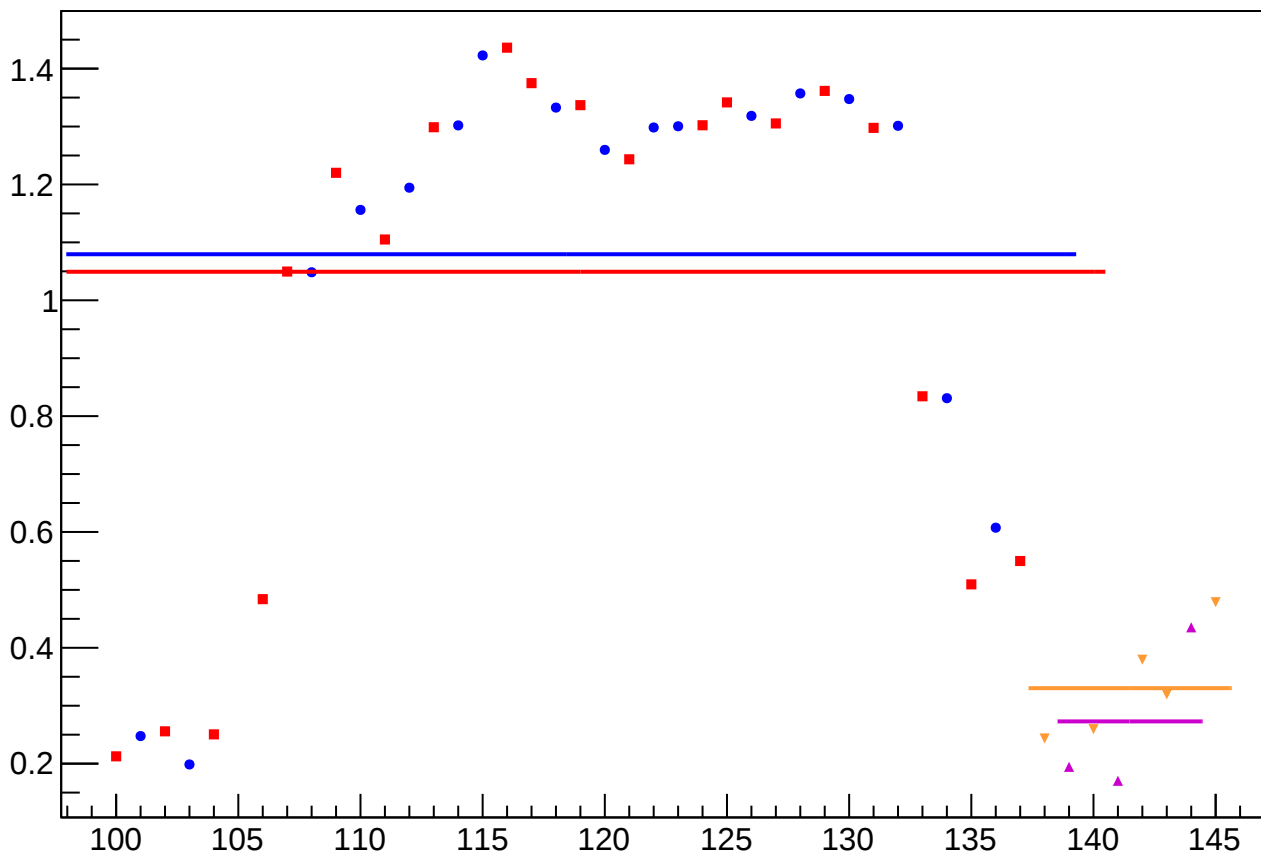
Left In: 0.002+/-0.000 χ^2/NDF :1743.5/2

0.002+/-0.000 χ^2/NDF : 63356.3/21

0.002+/-0.000 χ^2/NDF : 147321.5/44

0.002+/-0.000 χ^2/NDF : 83634.3/22

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 1.080 $\pm$ 0.000 χ^2/NDF : 17533321220.5/16

Left Out: 0.330 $\pm$ 0.000 χ^2/NDF : 278856258.3/4

Right Out: 1.049 $\pm$ 0.000 χ^2/NDF : 19787986428.4/19

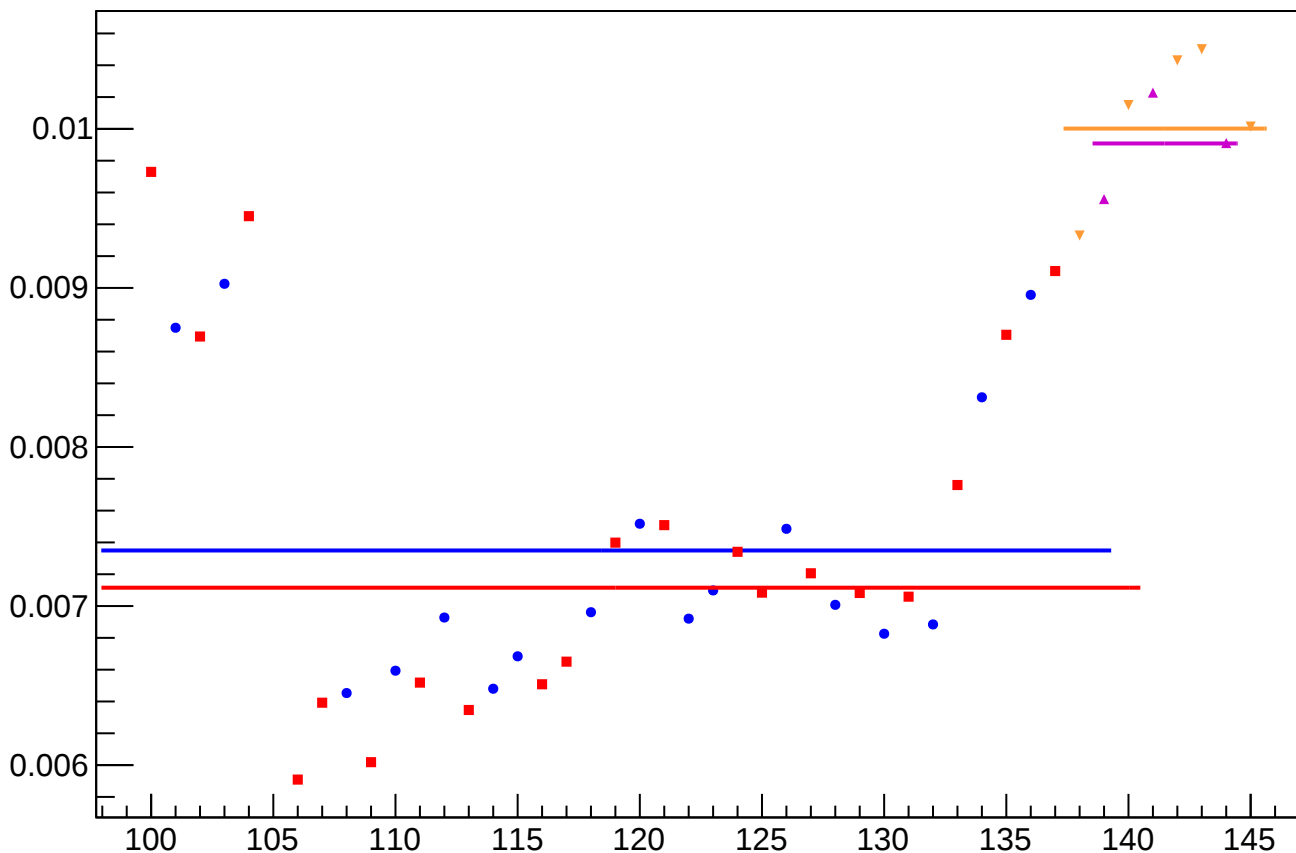
Left In: 0.273 $\pm$ 0.000 χ^2/NDF : 358769826.3/2

0.921 $\pm$ 0.000 χ^2/NDF : 32356007629.8/21

0.928 $\pm$ 0.000 χ^2/NDF : 64904432527.0/4

0.934 $\pm$ 0.000 χ^2/NDF : 32534228686.5/22

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

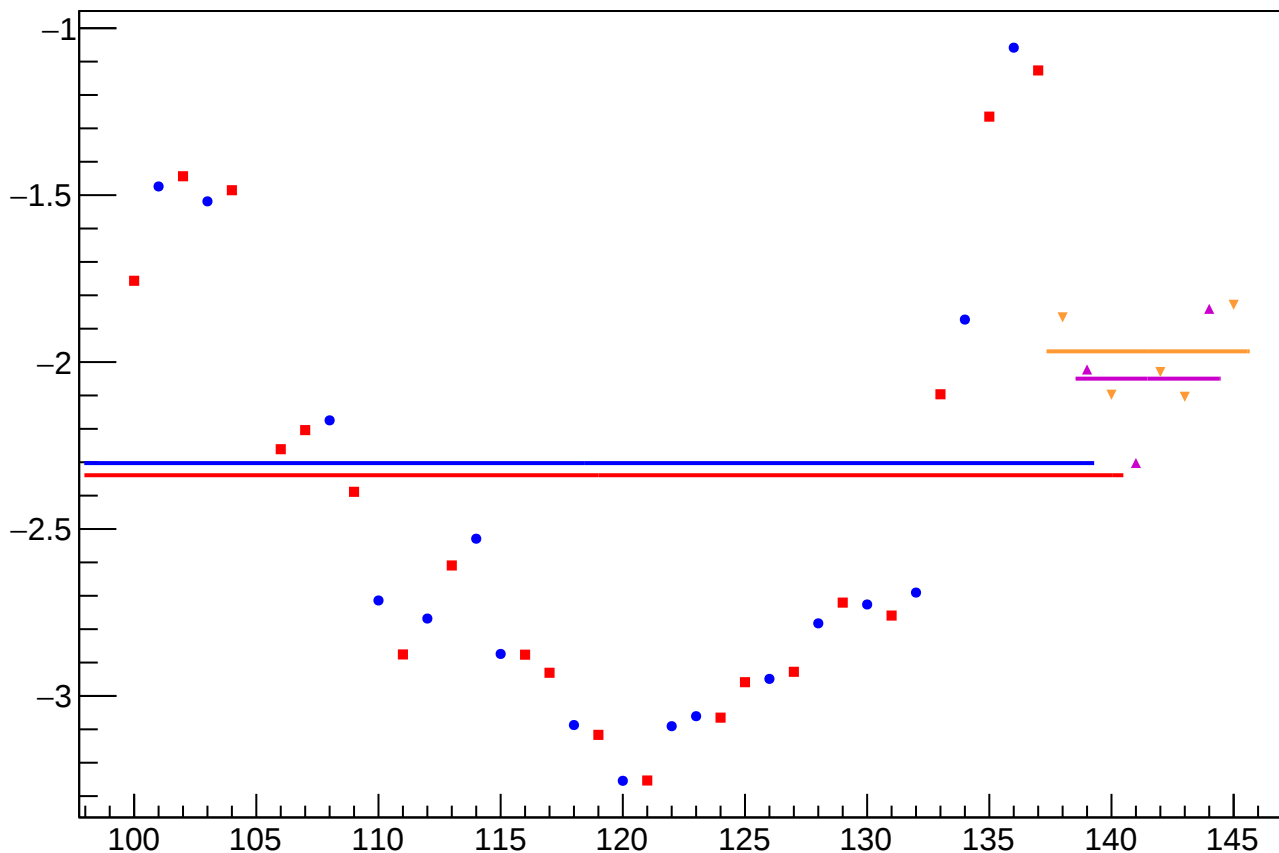
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 3459.3/2

0.008 $\pm$ 0.000 χ^2/NDF : 557433.9/21

0.008 $\pm$ 0.000 χ^2/NDF : 1164243.3/44

0.008 $\pm$ 0.000 χ^2/NDF : 583638.9/22

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

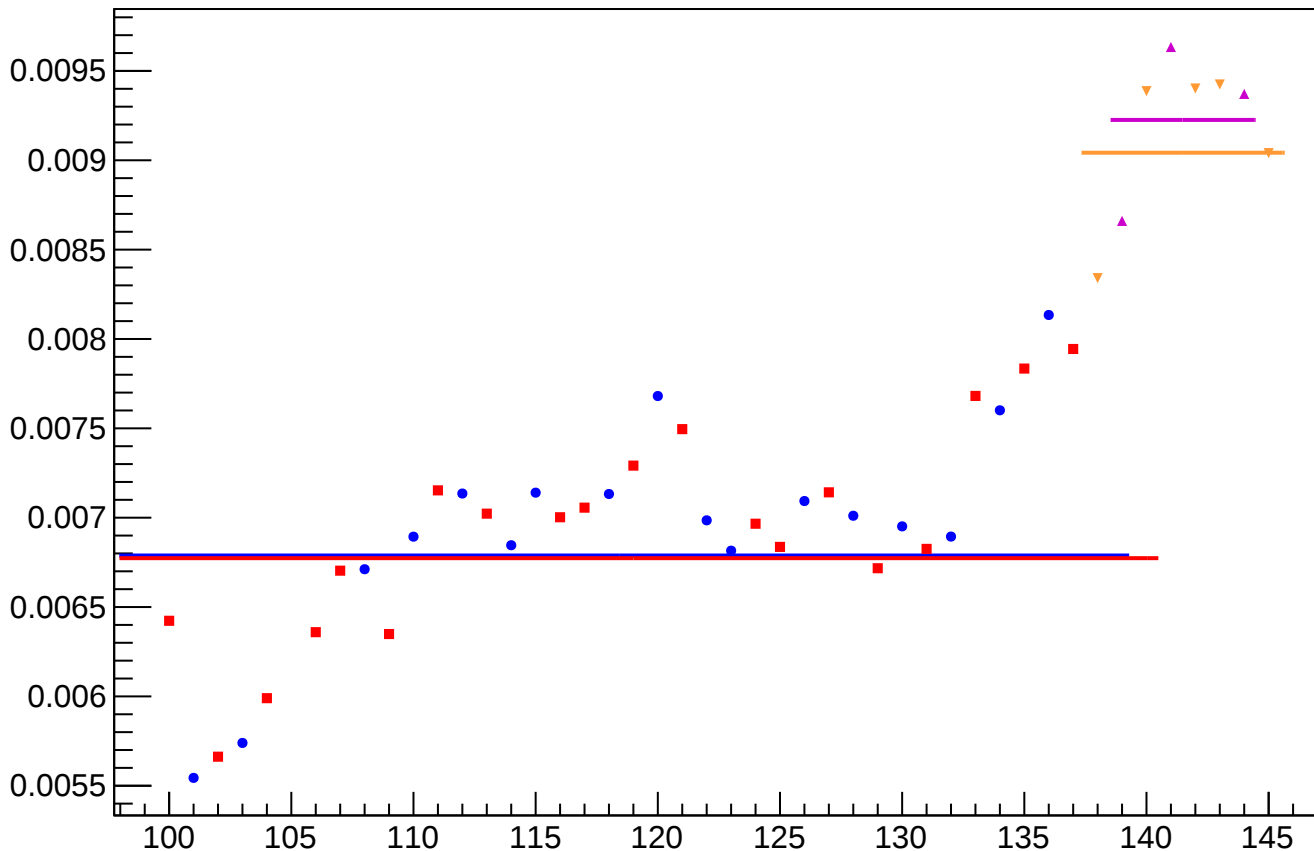
Left In: -2.050 $\pm$ 0.000 χ^2/NDF : 1011992825.3/2

-2.229 $\pm$ 0.000 χ^2/NDF : 77881115116.4/21

-2.262 $\pm$ 0.000 χ^2/NDF : 146069576815.0

-2.295 $\pm$ 0.000 χ^2/NDF : 67793735525.4/22

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 165199.2/16

Left Out: 0.009+/-0.000 χ^2/NDF :15700.7/4

Right Out: 0.007+/-0.000 χ^2/NDF : 123383.6/19

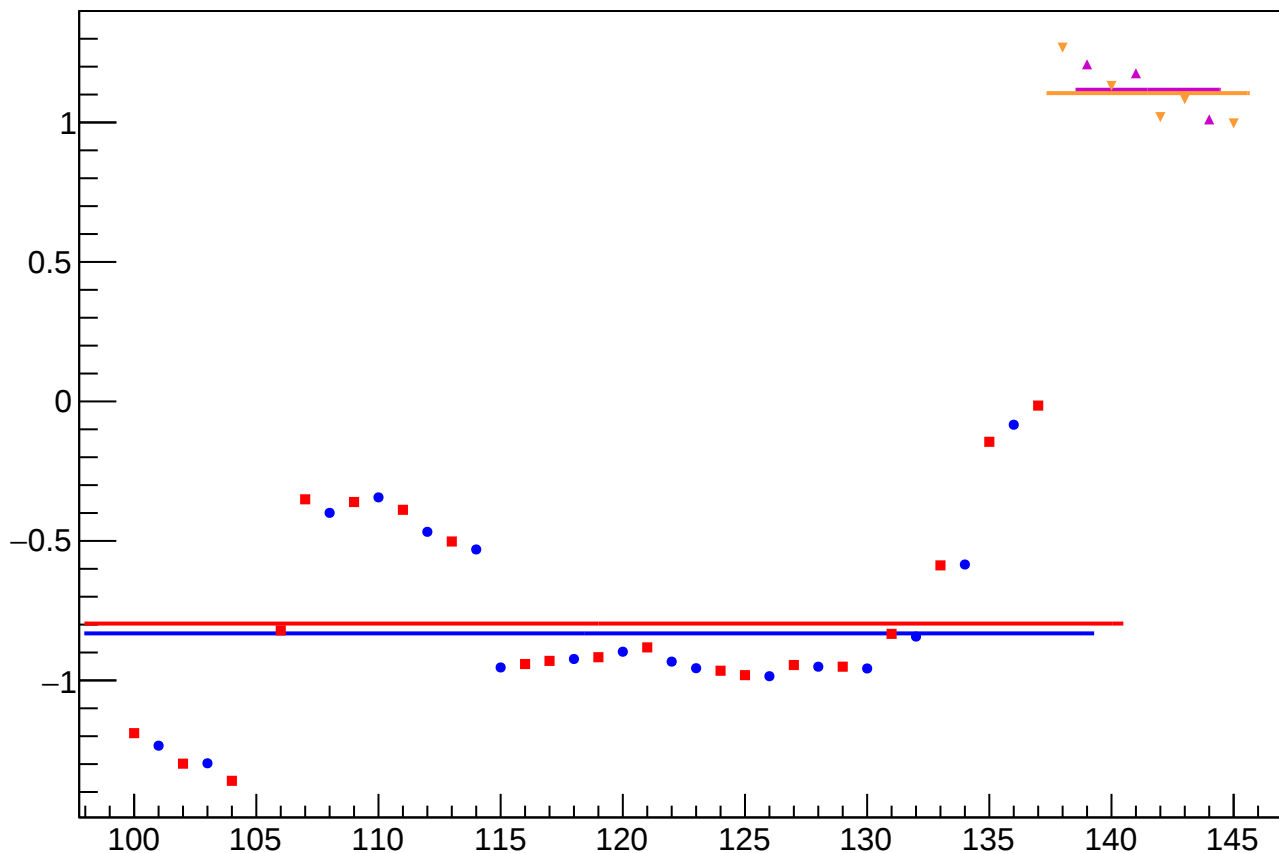
Left In: 0.009+/-0.000 χ^2/NDF :9216.5/2

0.007+/-0.000 χ^2/NDF : 501911.5/21

0.007+/-0.000 χ^2/NDF : 922037.2/44

0.007+/-0.000 χ^2/NDF : 416792.4/22

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831 $\pm$ 0.000 χ^2/NDF : 6692170860.9/16

Left Out: 1.105 $\pm$ 0.000 χ^2/NDF : 214240652.7/4

Right Out: -0.796 $\pm$ 0.000 χ^2/NDF : 7827622544.3/19

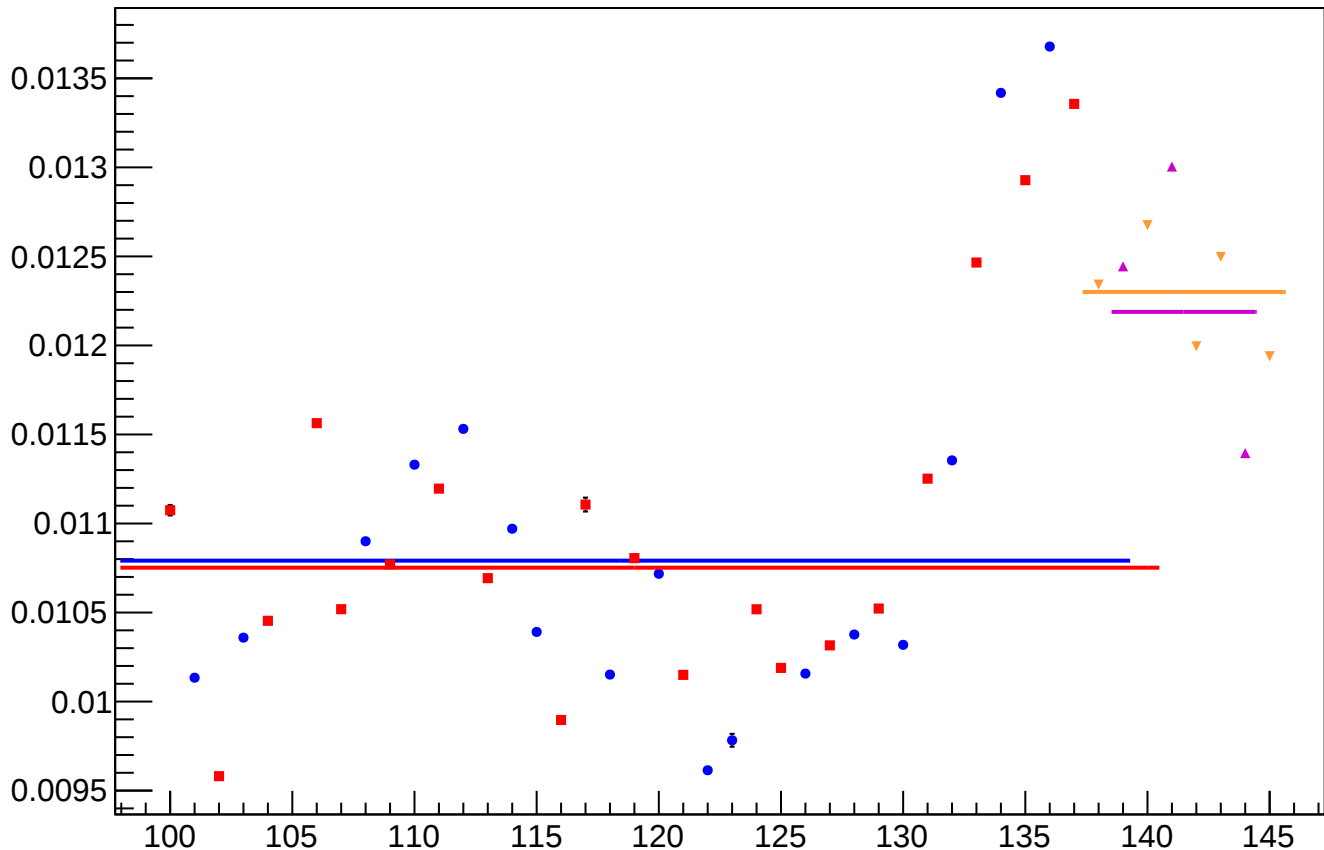
Left In: 1.117 $\pm$ 0.000 χ^2/NDF : 127176228.5/2

-0.296 $\pm$ 0.000 χ^2/NDF : 65458364976.8/21

-0.345 $\pm$ 0.000 χ^2/NDF : 119731112922.6

-0.396 $\pm$ 0.000 χ^2/NDF : 53883942662.0/22

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011 $\pm$ 0.000 χ^2/NDF : 125802.4/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 3596.1/4

Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 90303.3/19

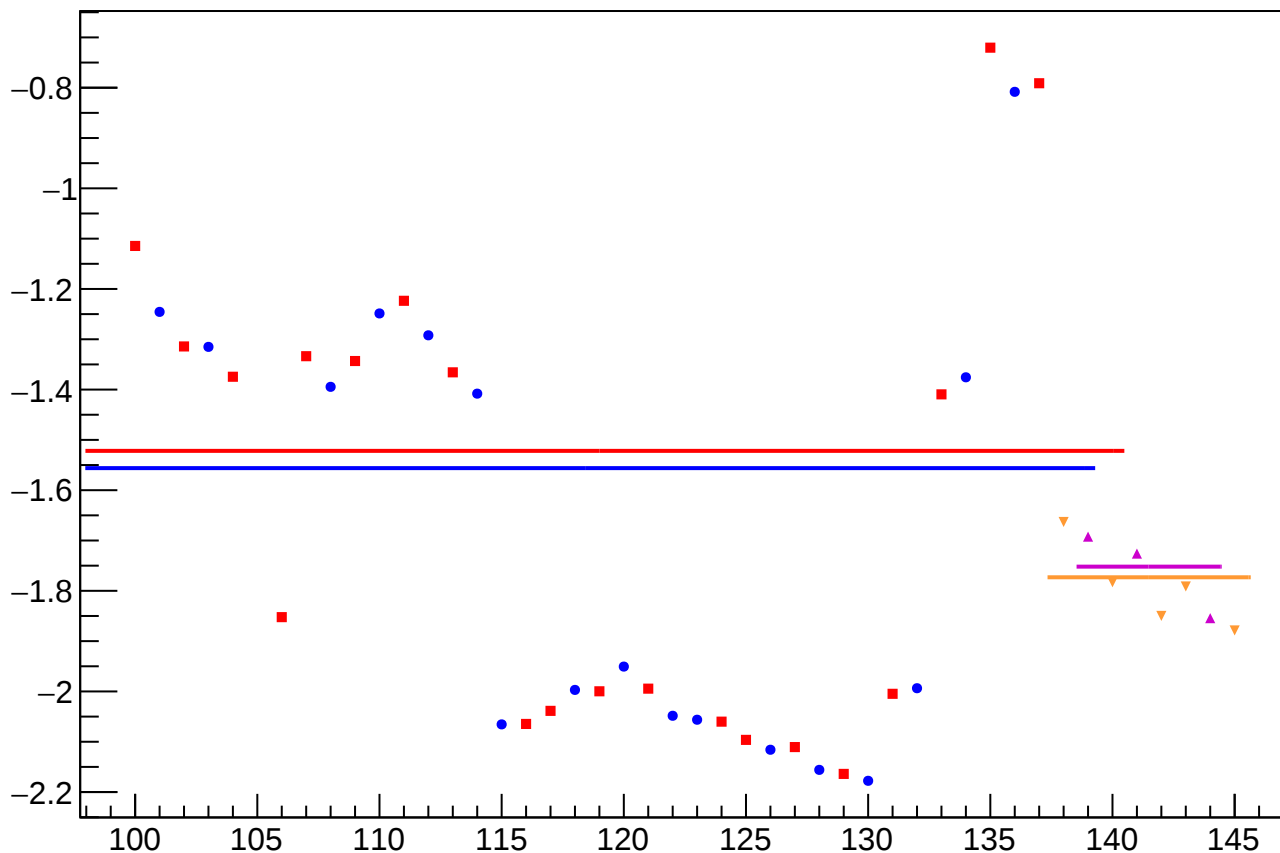
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 15397.7/2

0.011 $\pm$ 0.000 χ^2/NDF : 200509.3/21

0.011 $\pm$ 0.000 χ^2/NDF : 359884.0/44

0.011 $\pm$ 0.000 χ^2/NDF : 157486.1/22

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

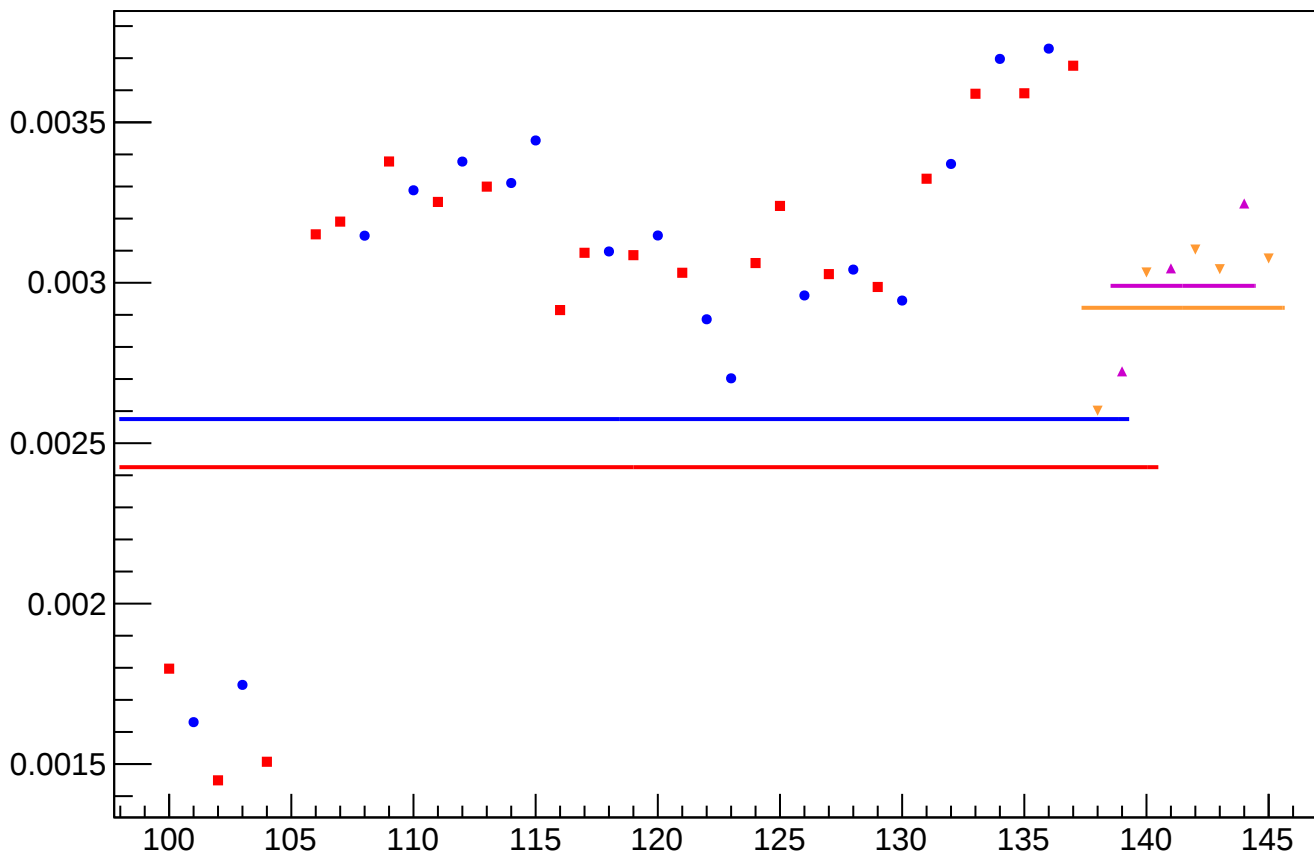
Right Out: -1.522+/-0.000 χ^2/NDF : 139385229659.4/19

-1.594+/-0.000 χ^2/NDF : 321380370794.9

-1.569+/-0.000 χ^2/NDF : 150949923321.7/22

Left In: -1.752+/-0.000 χ^2/NDF : 1136485072.9/2

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

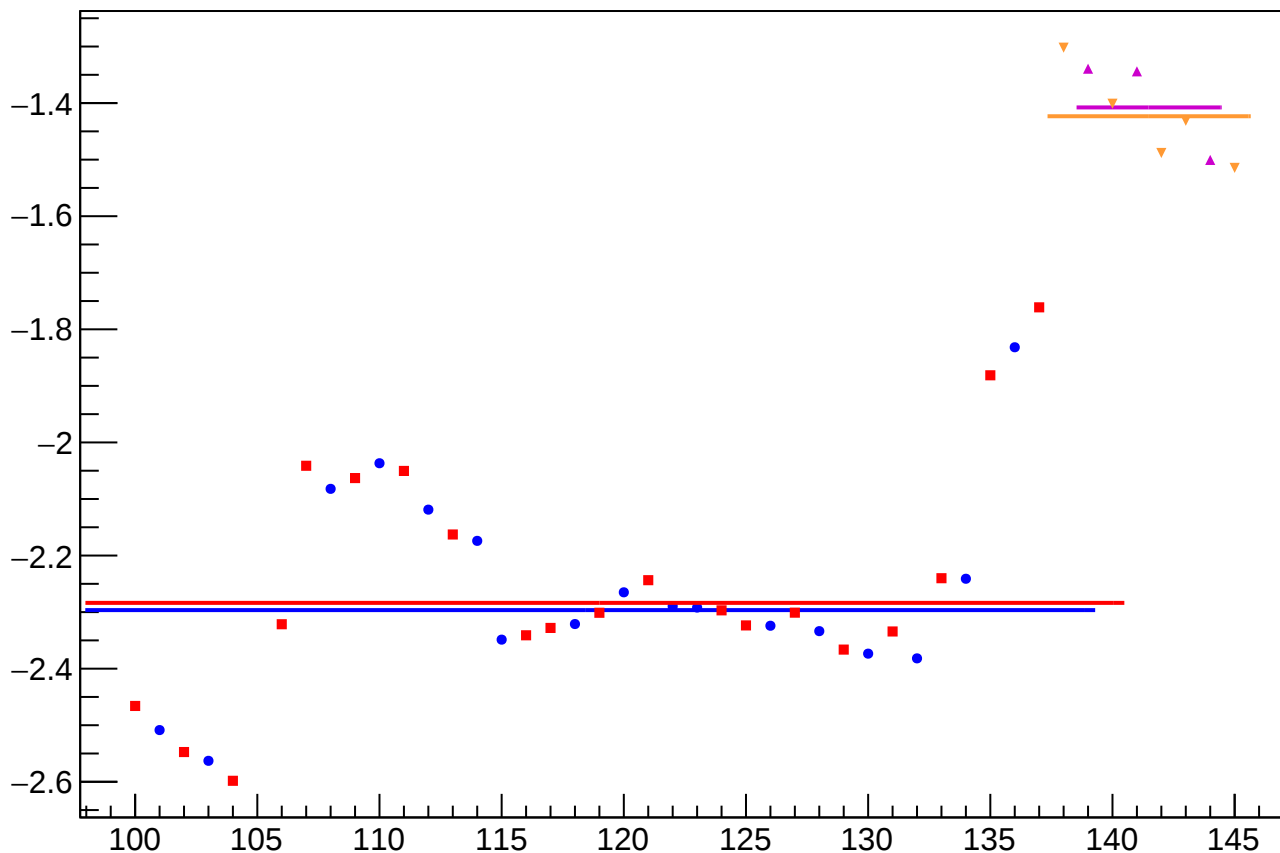
Left In: 0.003+/-0.000 χ^2/NDF :22626.2/2

0.003+/-0.000 χ^2/NDF : 1104345.8/21

0.003+/-0.000 χ^2/NDF : 2768398.7/44

0.003+/-0.000 χ^2/NDF : 1641634.3/22

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

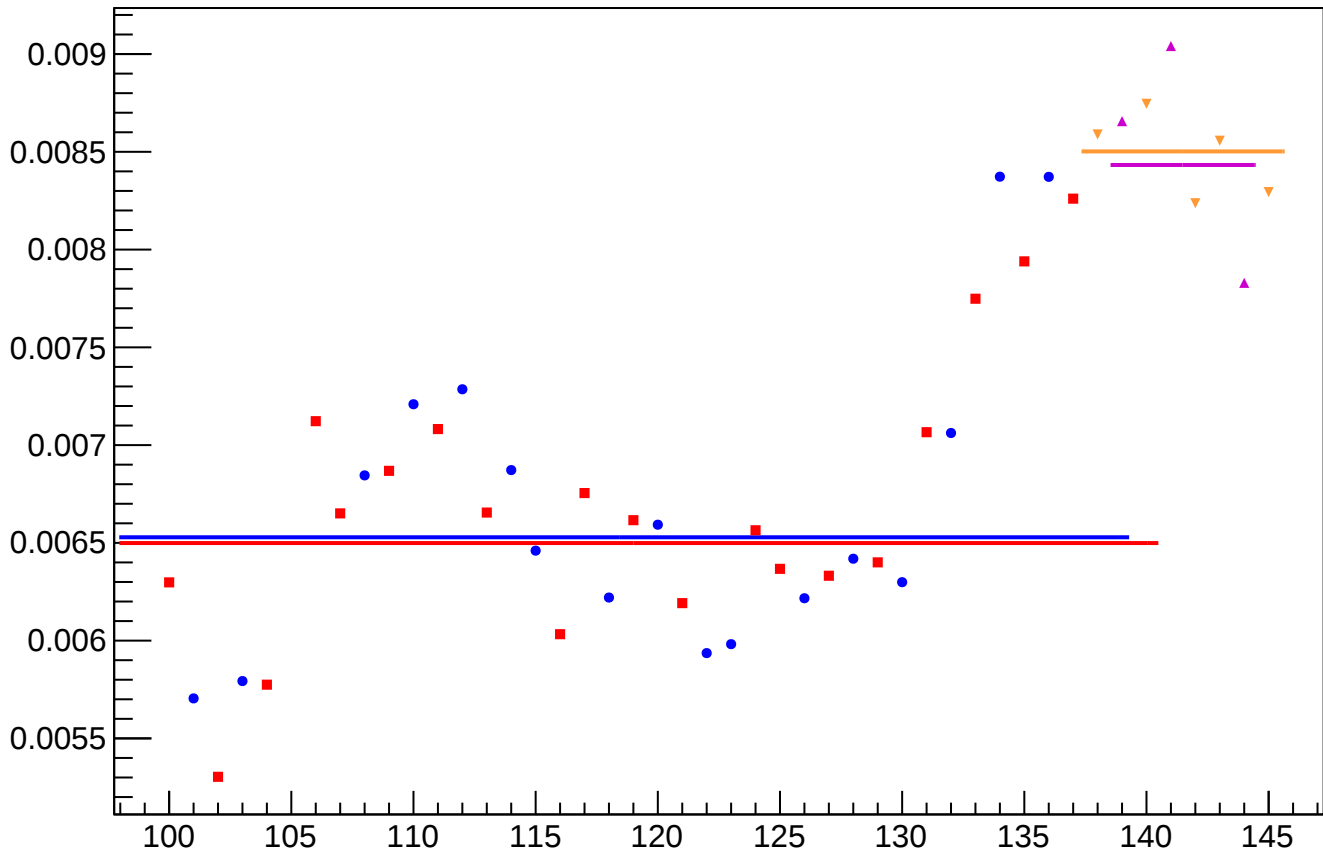
Left In: -1.408 $\pm$ 0.000 χ^2 /NDF: 201833739.3/2

-2.098 $\pm$ 0.000 χ^2 /NDF: 32376210600.8/21

-2.116 $\pm$ 0.000 χ^2 /NDF: 60257622409.6/4

-2.135 $\pm$ 0.000 χ^2 /NDF: 27743080262.2/22

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 176467.7/16

Left Out: 0.009+/-0.000 χ^2/NDF :3188.1/4

Right Out: 0.006+/-0.000 χ^2/NDF : 164253.8/19

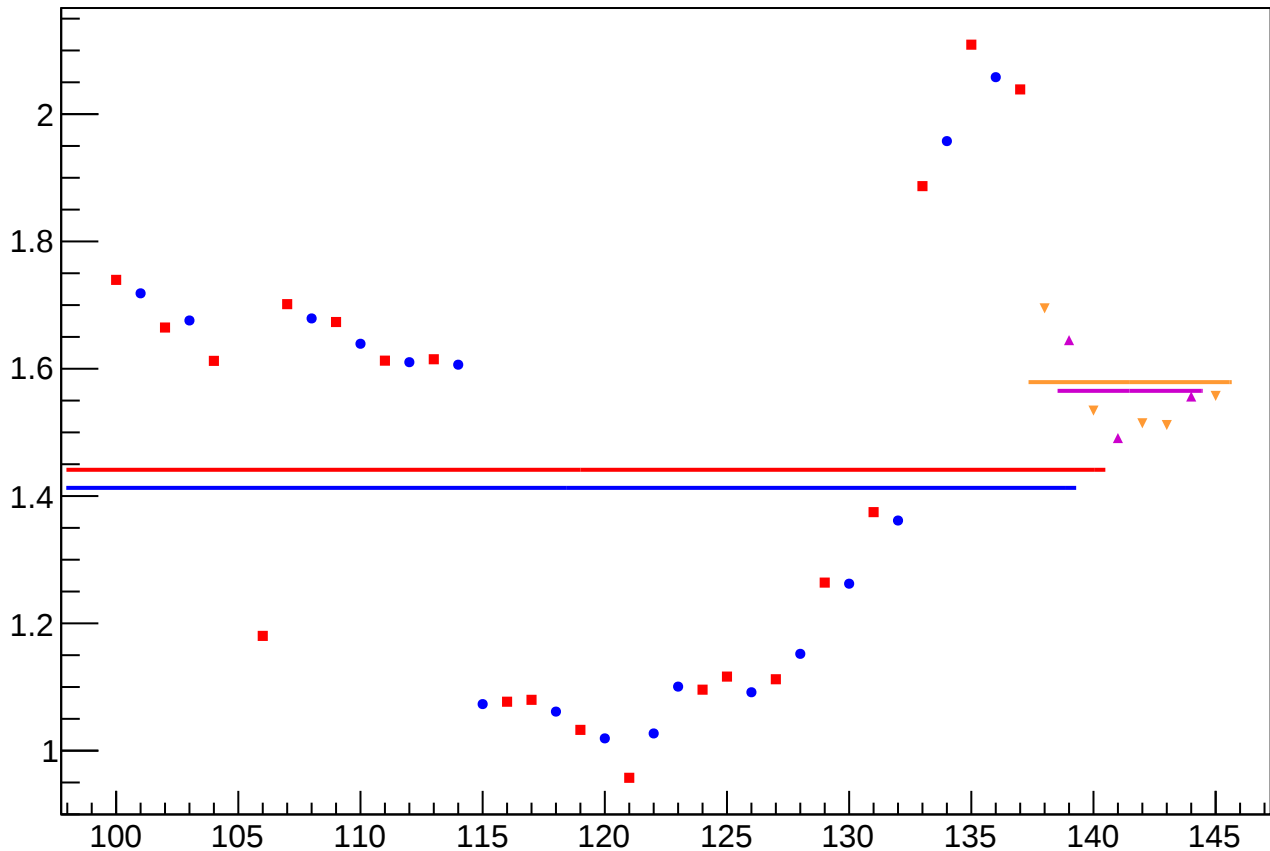
Left In: 0.008+/-0.000 χ^2/NDF :18433.9/2

0.007+/-0.000 χ^2/NDF : 448645.0/21

0.007+/-0.000 χ^2/NDF : 840375.1/44

0.007+/-0.000 χ^2/NDF : 387253.9/22

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

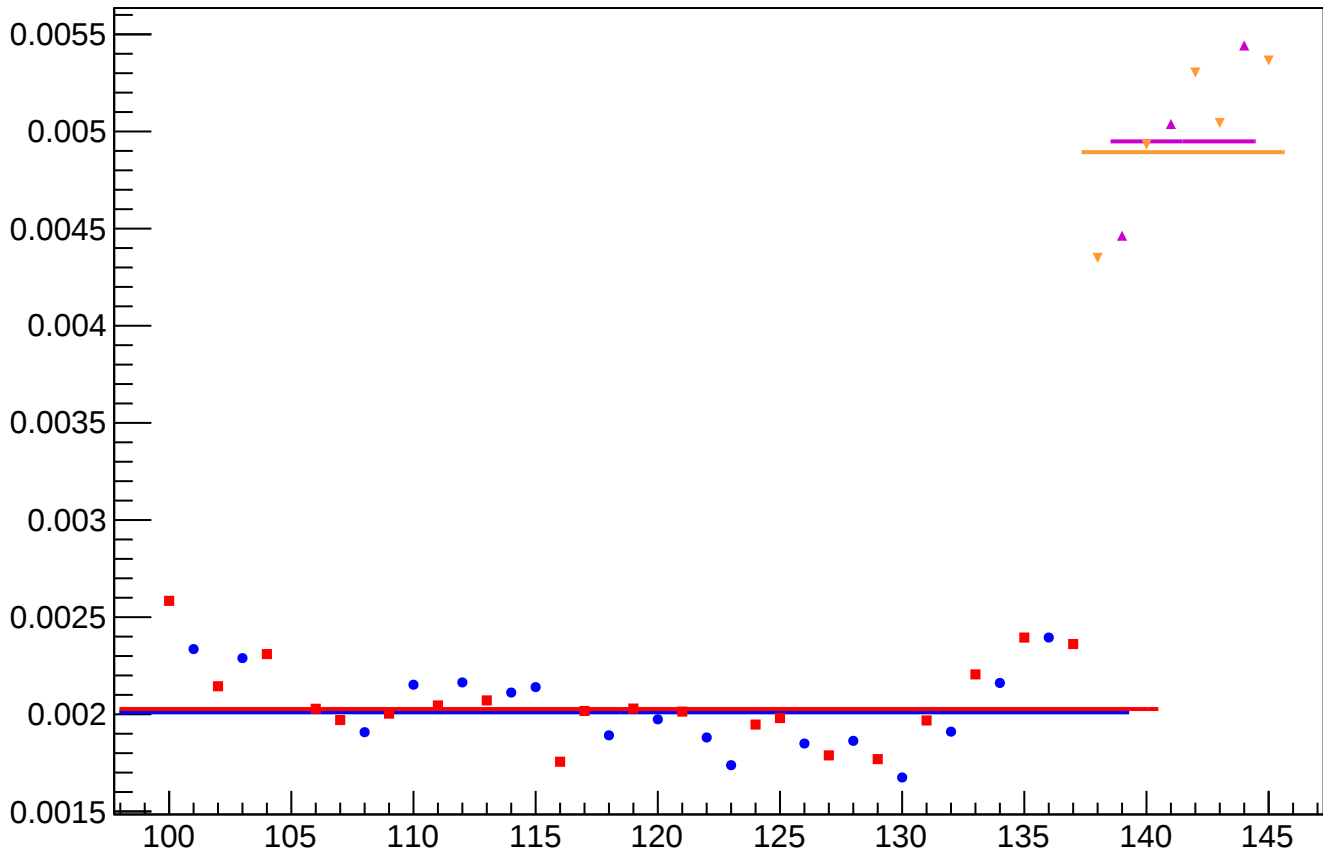
Left In: 1.565+/-0.000 χ^2/NDF : 395496068.9/2

1.426+/-0.000 χ^2/NDF : 176613458083.5/21

1.437+/-0.000 χ^2/NDF : 353127189834.4/1

1.448+/-0.000 χ^2/NDF : 176099124559.8/22

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 152530.4/16

Left Out: 0.005+/-0.000 χ^2/NDF : 38086.1/4

Right Out: 0.002+/-0.000 χ^2/NDF : 103927.8/19

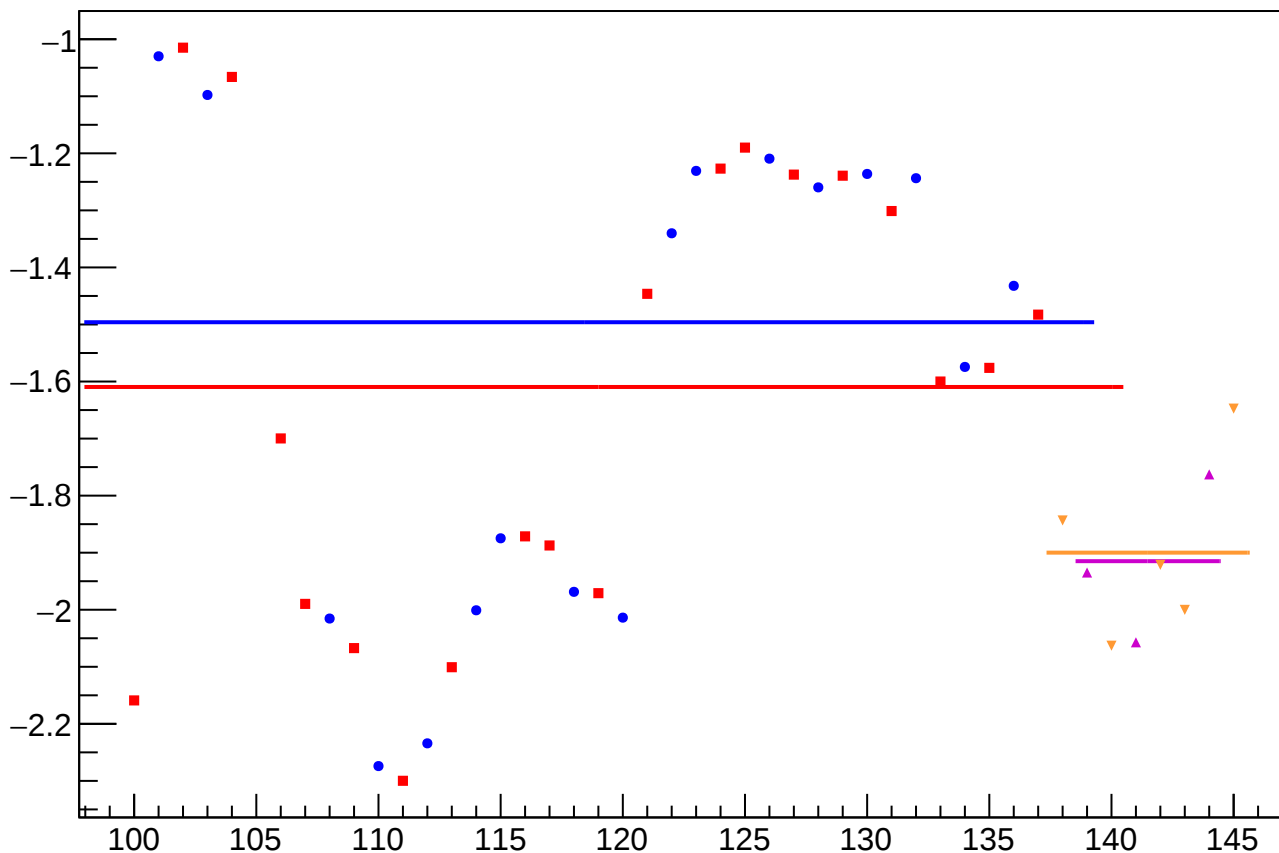
Left In: 0.005+/-0.000 χ^2/NDF : 29515.1/2

0.002+/-0.000 χ^2/NDF : 2178734.0/21

0.002+/-0.000 χ^2/NDF : 3821896.3/44

0.002+/-0.000 χ^2/NDF : 1639577.0/22

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

-1.669+/-0.000 χ^2/NDF : 34545779284.3/21

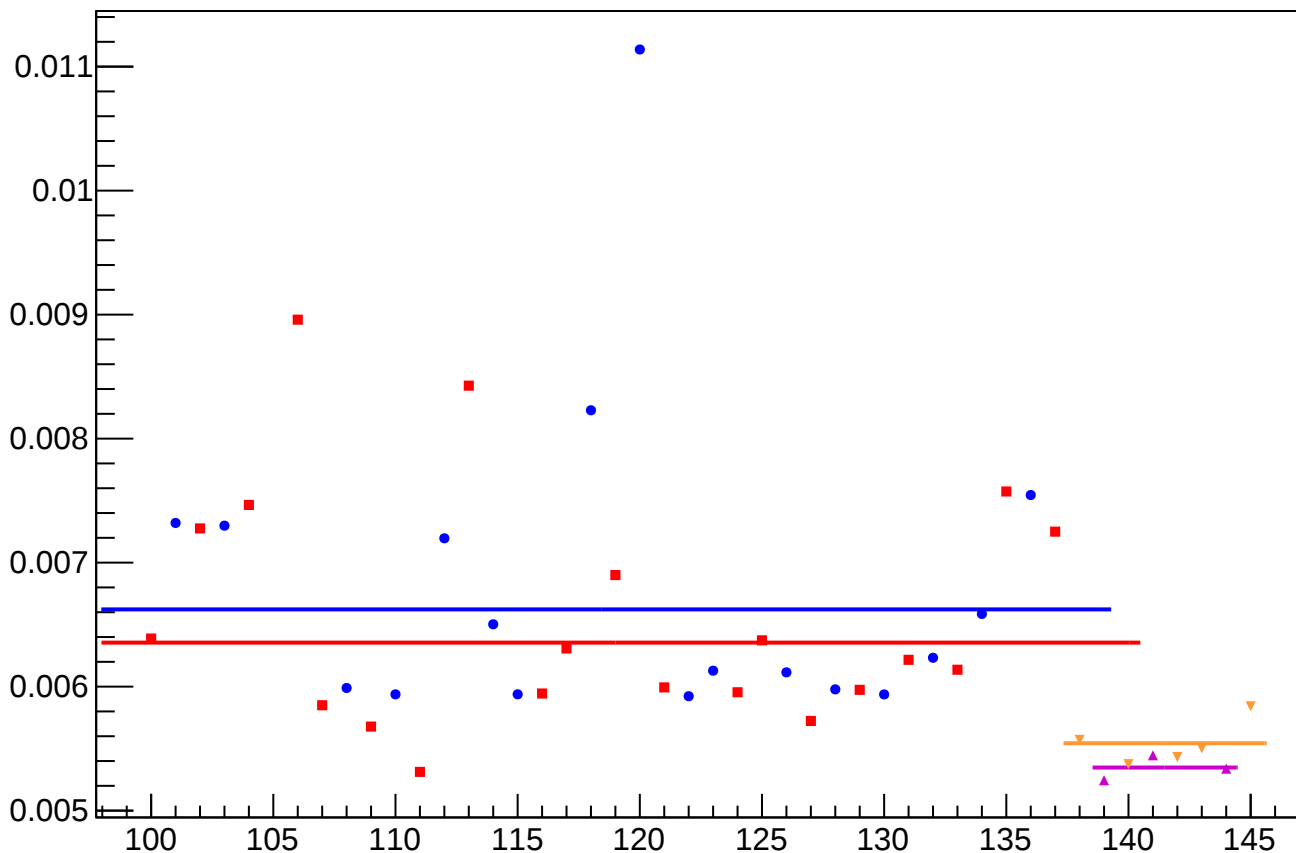
Right Out: -1.610+/-0.000 χ^2/NDF : 27919840690.9/19

-1.690+/-0.000 χ^2/NDF : 68974490311.3/4

-1.710+/-0.000 χ^2/NDF : 34219772953.9/22

Left In: -1.915+/-0.000 χ^2/NDF : 1243594529.9/2

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 232630.4/16

Left Out: 0.006 $\pm$ 0.000 χ^2/NDF : 5687.5/4

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 227865.9/19

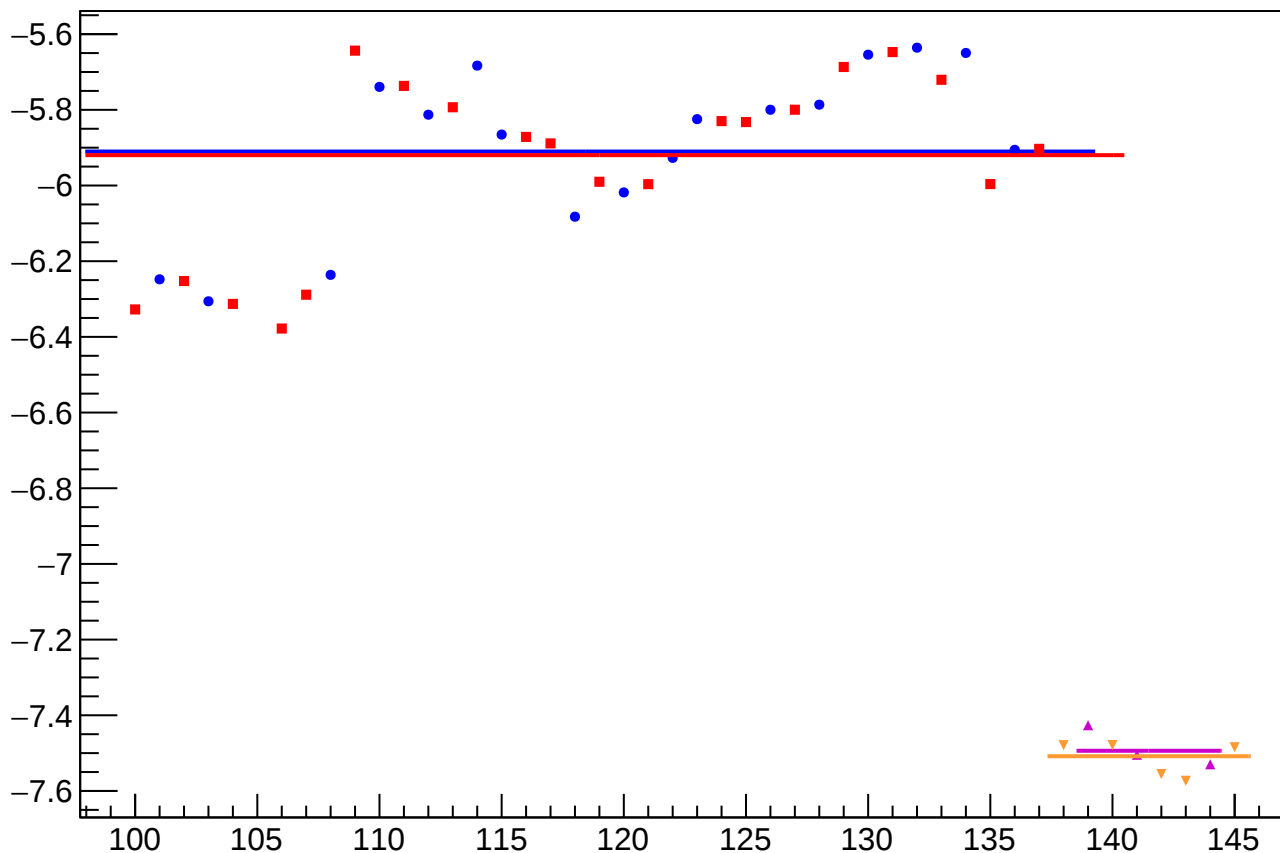
Left In: 0.005 $\pm$ 0.000 χ^2/NDF : 1051.9/2

0.006 $\pm$ 0.000 χ^2/NDF : 376817.2/21

0.006 $\pm$ 0.000 χ^2/NDF : 720492.1/44

0.006 $\pm$ 0.000 χ^2/NDF : 339005.4/22

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.910 $\pm$ 0.000 χ^2/NDF : 11154434512.7/16

Left Out: -7.508 $\pm$ 0.000 χ^2/NDF : 62543986.0/4

Right Out: -5.920 $\pm$ 0.000 χ^2/NDF : 12786449843.6/19

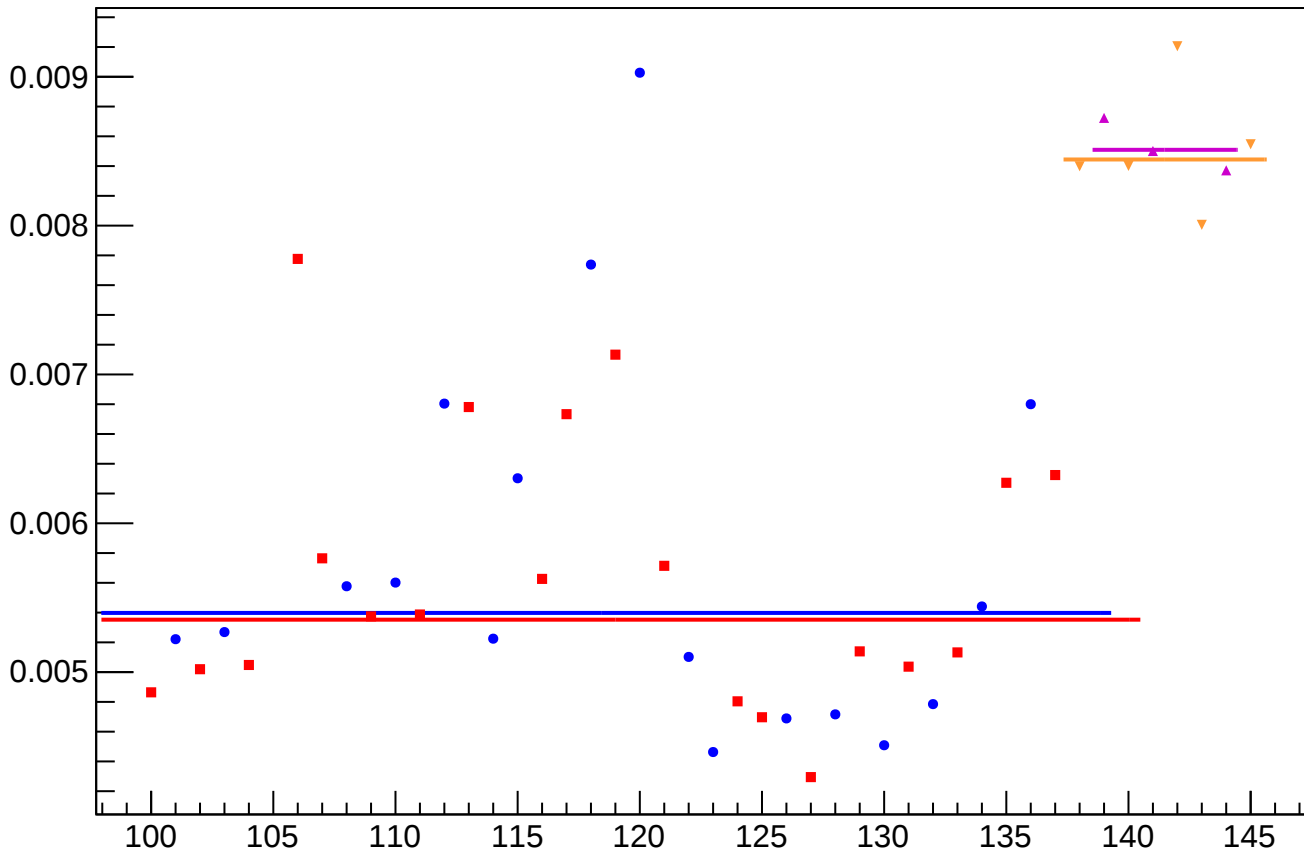
Left In: -7.494 $\pm$ 0.000 χ^2/NDF : 48184111.1/2

-6.164 $\pm$ 0.000 χ^2/NDF : 93349195033.4/21

-6.130 $\pm$ 0.000 χ^2/NDF : 169070098556.8

-6.097 $\pm$ 0.000 χ^2/NDF : 75172610354.3/22

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

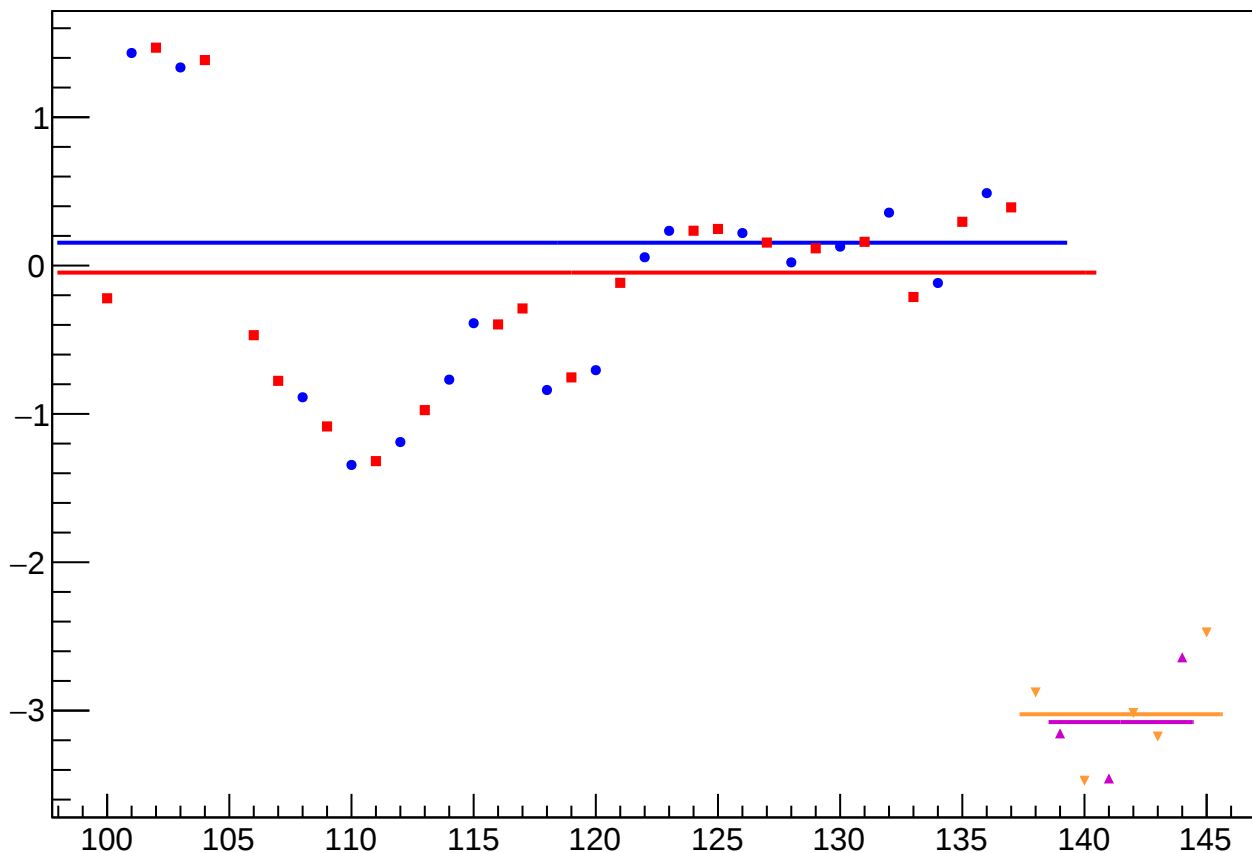
Left In: 0.009+/-0.000 χ^2/NDF :1084.2/2

0.006+/-0.000 χ^2/NDF : 976711.0/21

0.006+/-0.000 χ^2/NDF : 1739381.8/44

0.006+/-0.000 χ^2/NDF : 755274.7/22

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

-0.714+/-0.000 χ^2/NDF : 103001204570.5/21

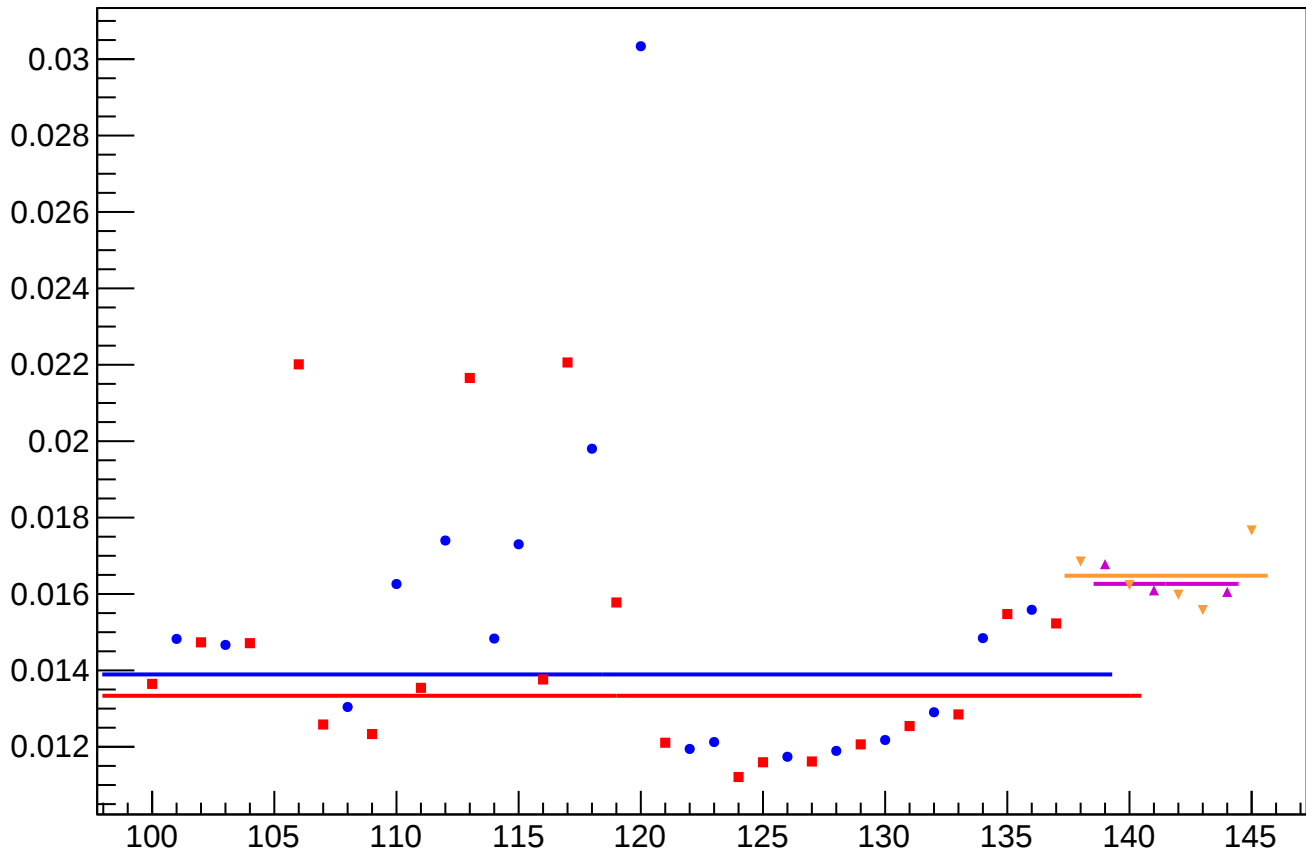
Right Out: -0.047+/-0.000 χ^2/NDF : 21216074494.2/19

-0.670+/-0.000 χ^2/NDF : 189849522245.1

-0.630+/-0.000 χ^2/NDF : 86693203627.6/22

Left In: -3.077+/-0.000 χ^2/NDF : 1075758373.3/2

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

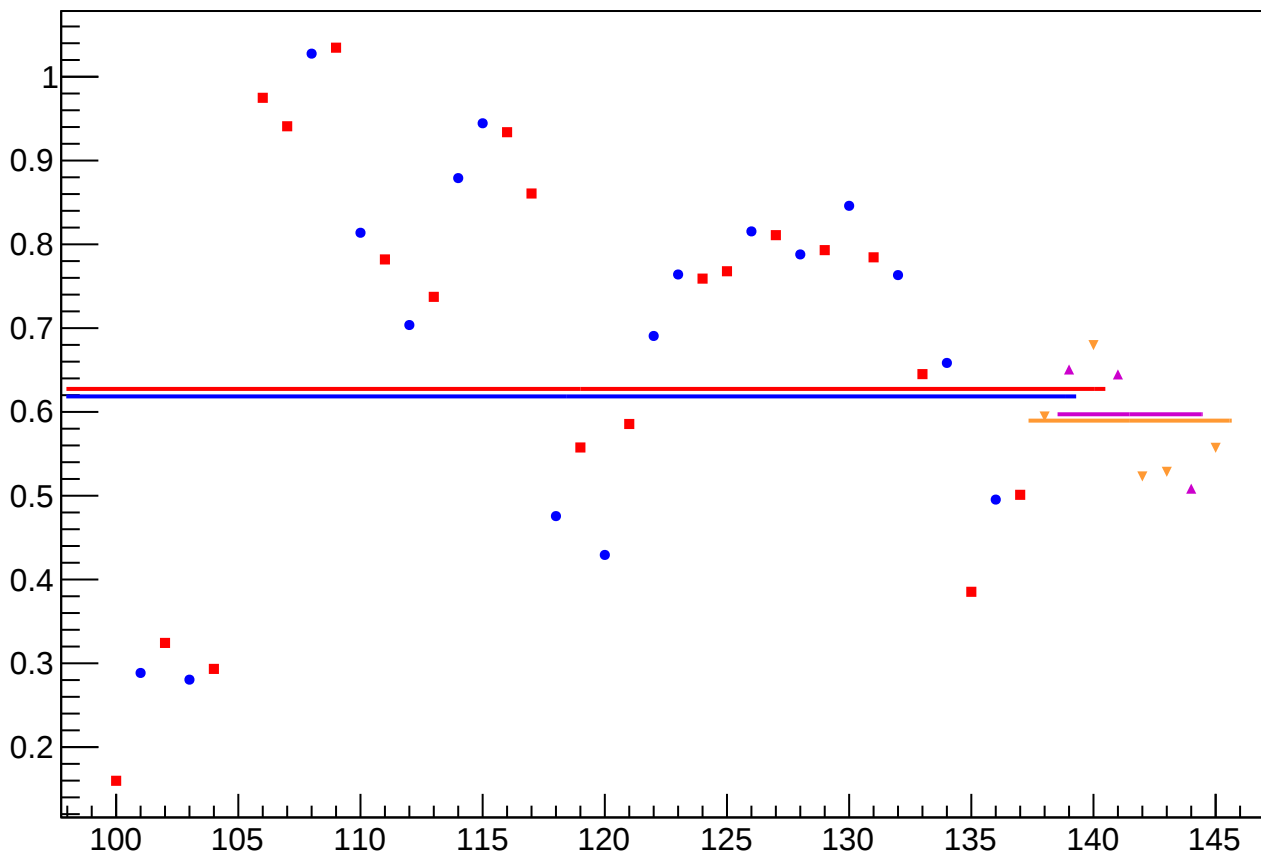
Left In: 0.016 $\pm$ 0.000 χ^2/NDF :1706.5/2

0.015 $\pm$ 0.000 χ^2/NDF : 524496.9/21

0.014 $\pm$ 0.000 χ^2/NDF : 971489.2/44

0.014 $\pm$ 0.000 χ^2/NDF : 425540.9/22

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.619+/-0.000 χ^2/NDF : 5416939288.1/16

Left Out: 0.590+/-0.000 χ^2/NDF : 209225129.1/4

Right Out: 0.627+/-0.000 χ^2/NDF : 6345684740.0/19

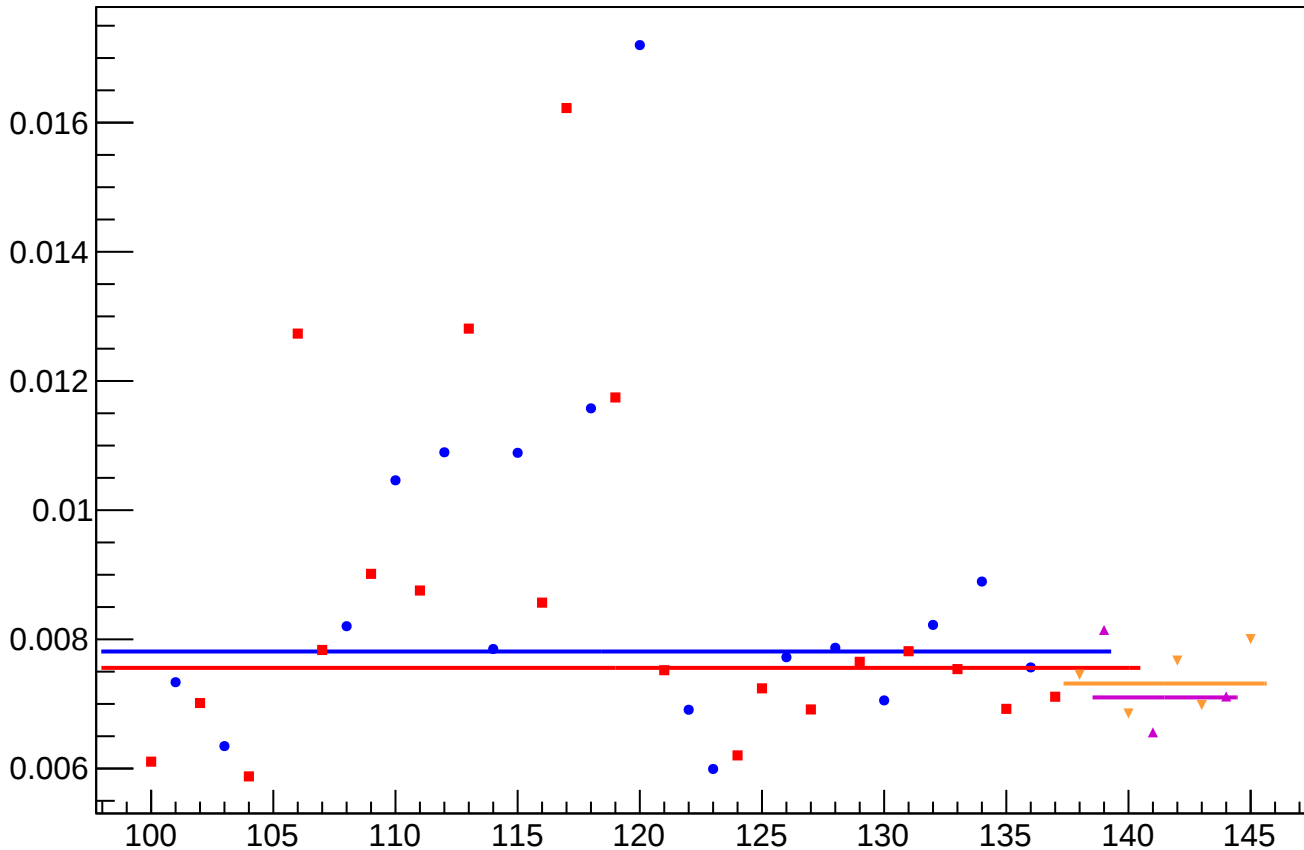
Left In: 0.597+/-0.000 χ^2/NDF : 192647715.4/2

0.608+/-0.000 χ^2/NDF : 5655306504.1/21

0.613+/-0.000 χ^2/NDF : 12231139967.0/4

0.619+/-0.000 χ^2/NDF : 6566914379.7/22

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

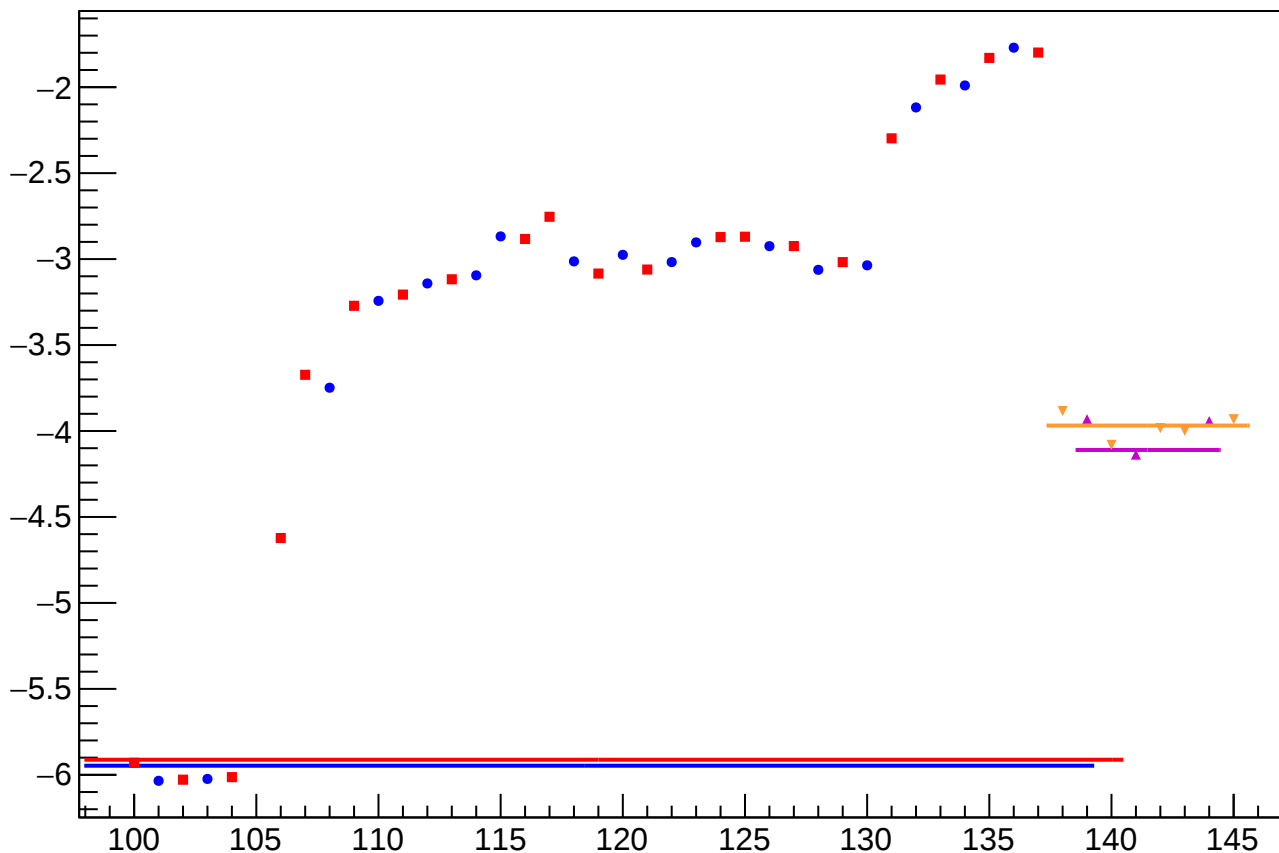
Left In: 0.007+/-0.000 χ^2/NDF : 31496.0/2

0.008+/-0.000 χ^2/NDF : 504919.8/21

0.008+/-0.000 χ^2/NDF : 1018943.8/44

0.007+/-0.000 χ^2/NDF : 507783.7/22

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

-5.928+/-0.000 χ^2/NDF : 14938461242.4/21

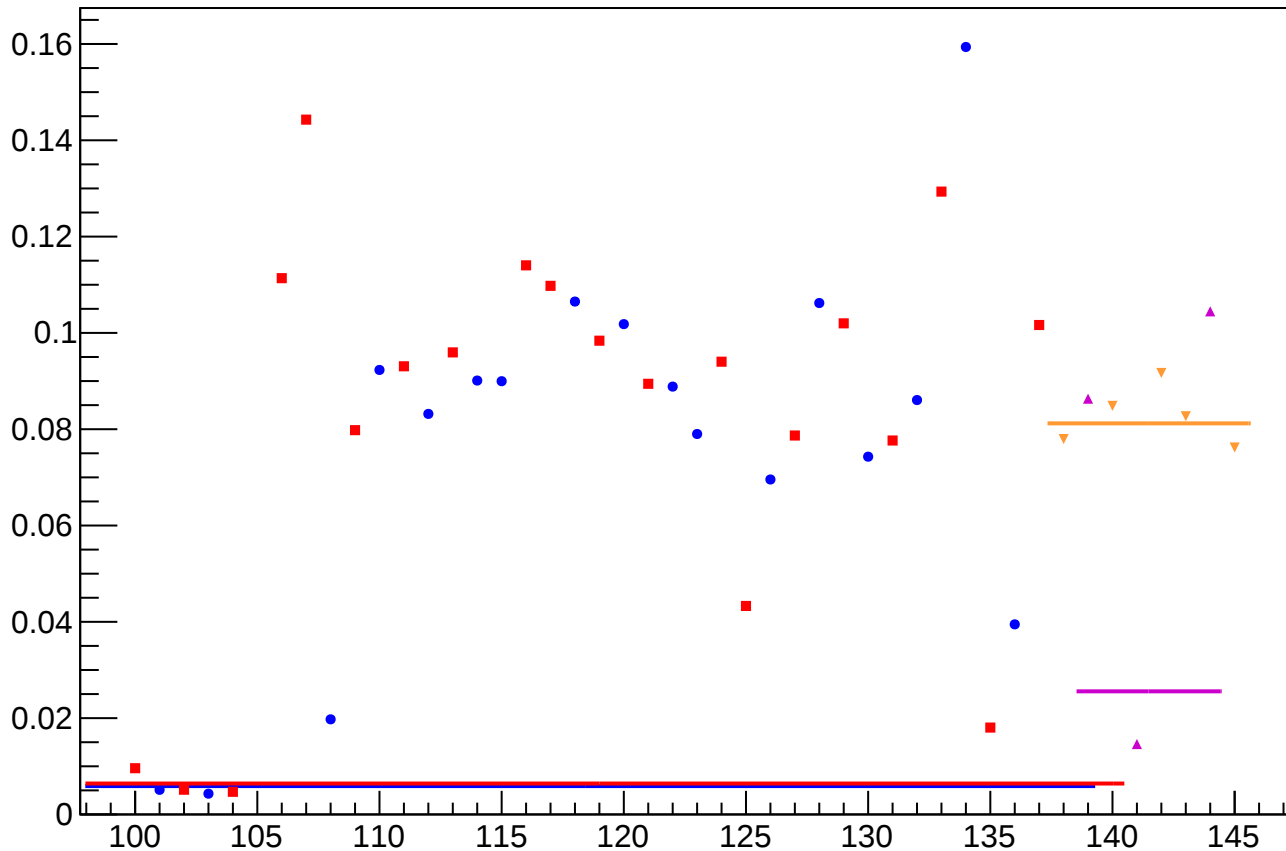
-5.900+/-0.000 χ^2/NDF : 32865999471.0/4

Right Out: -5.912+/-0.000 χ^2/NDF : 14648055548.9/19

-5.866+/-0.000 χ^2/NDF : 17844167880.9/22

Left In: -4.110+/-0.000 χ^2/NDF : 4719312.3/2

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 7934545.2/16

Left Out: 0.081+/-0.000 χ^2/NDF : 21994.9/4

Right Out: 0.006+/-0.000 χ^2/NDF : 8558731.2/19

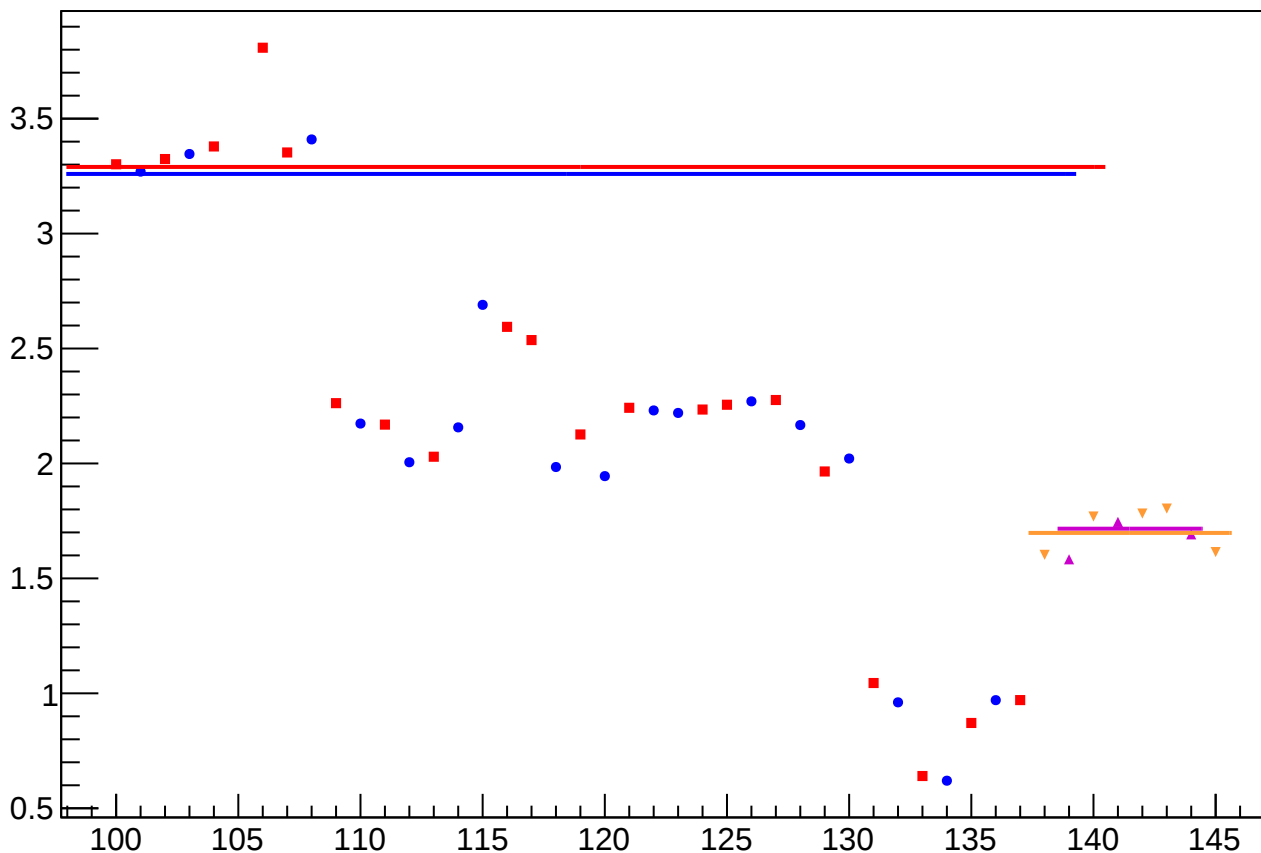
Left In: 0.026+/-0.000 χ^2/NDF : 1575070.7/2

0.007+/-0.000 χ^2/NDF : 13087727.7/21

0.007+/-0.000 χ^2/NDF : 23946022.8/44

0.007+/-0.000 χ^2/NDF : 10854231.2/22

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

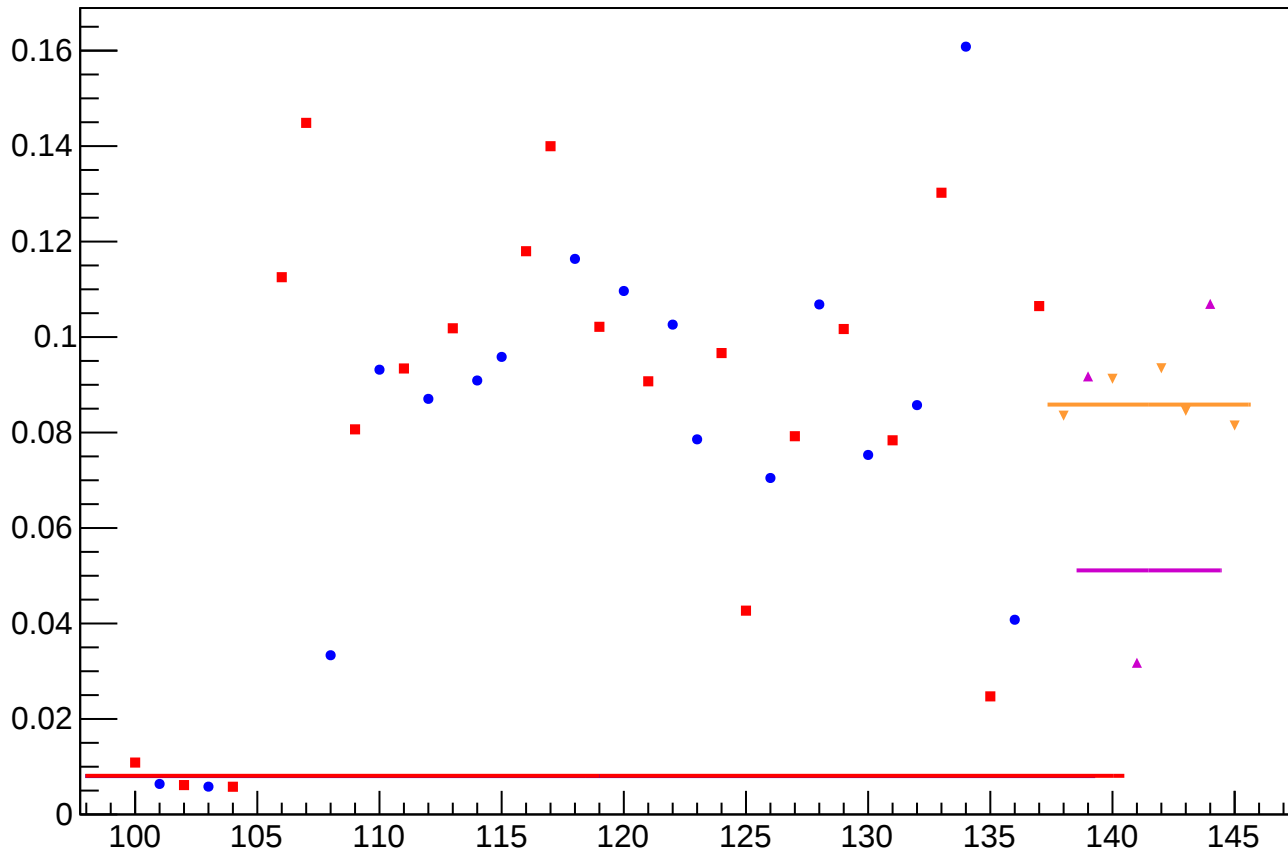
Left In: 1.716+/-0.000 χ^2/NDF : 1356837.3/2

3.237+/-0.000 χ^2/NDF : 3912541897.7/21

3.250+/-0.000 χ^2/NDF : 8271566437.1/44

3.264+/-0.000 χ^2/NDF : 4349261389.1/22

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

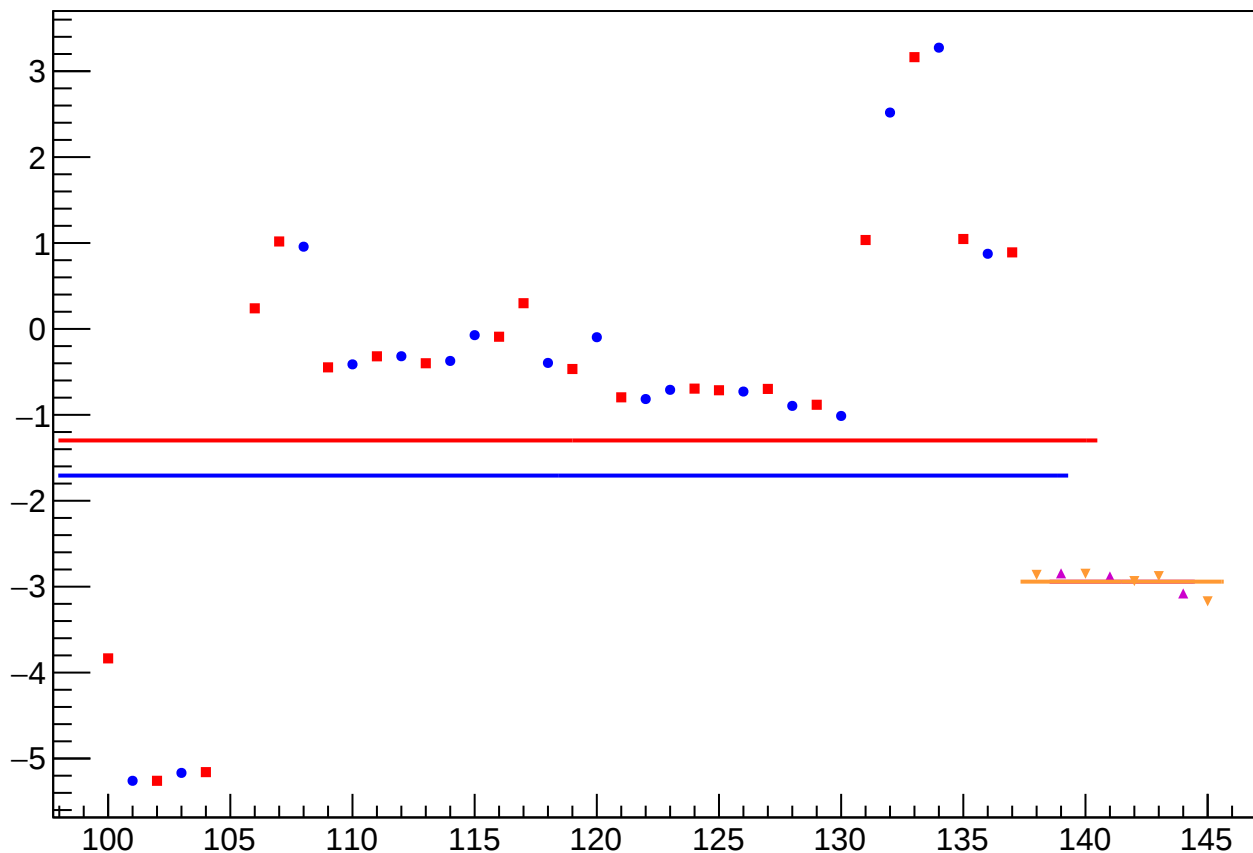
Left In: 0.051+/-0.000 χ^2/NDF :855496.0/2

0.009+/-0.000 χ^2/NDF : 12661220.5/21

0.009+/-0.000 χ^2/NDF : 23516625.4/44

0.009+/-0.000 χ^2/NDF : 10852359.5/22

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

-2.587+/-0.000 χ^2/NDF : 191918008974.1/21

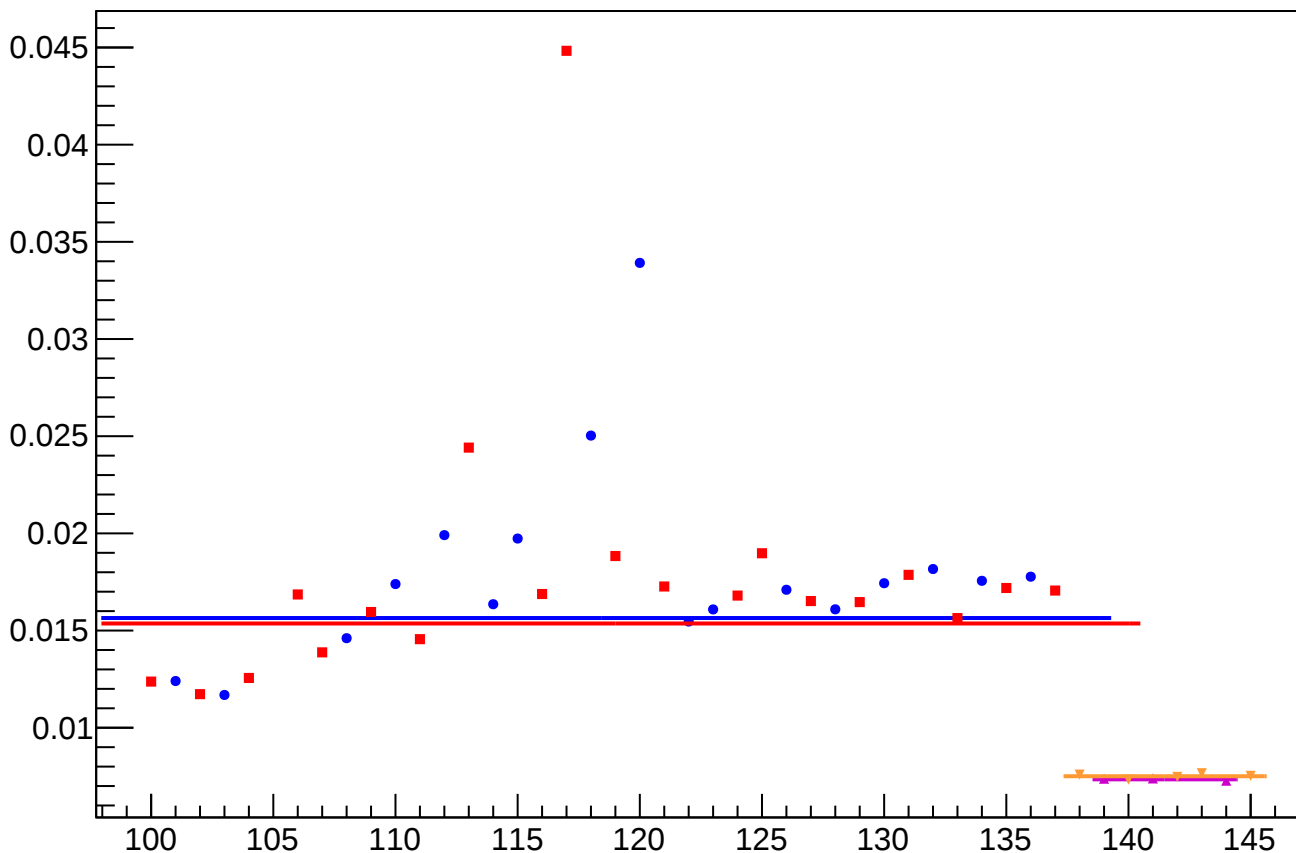
Right Out: -1.298+/-0.000 χ^2/NDF : 178085926993.4/19

-2.462+/-0.000 χ^2/NDF : 417325741564.8

-2.318+/-0.000 χ^2/NDF : 222728079240.4/22

Left In: -2.942+/-0.000 χ^2/NDF : 464852104.7/2

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

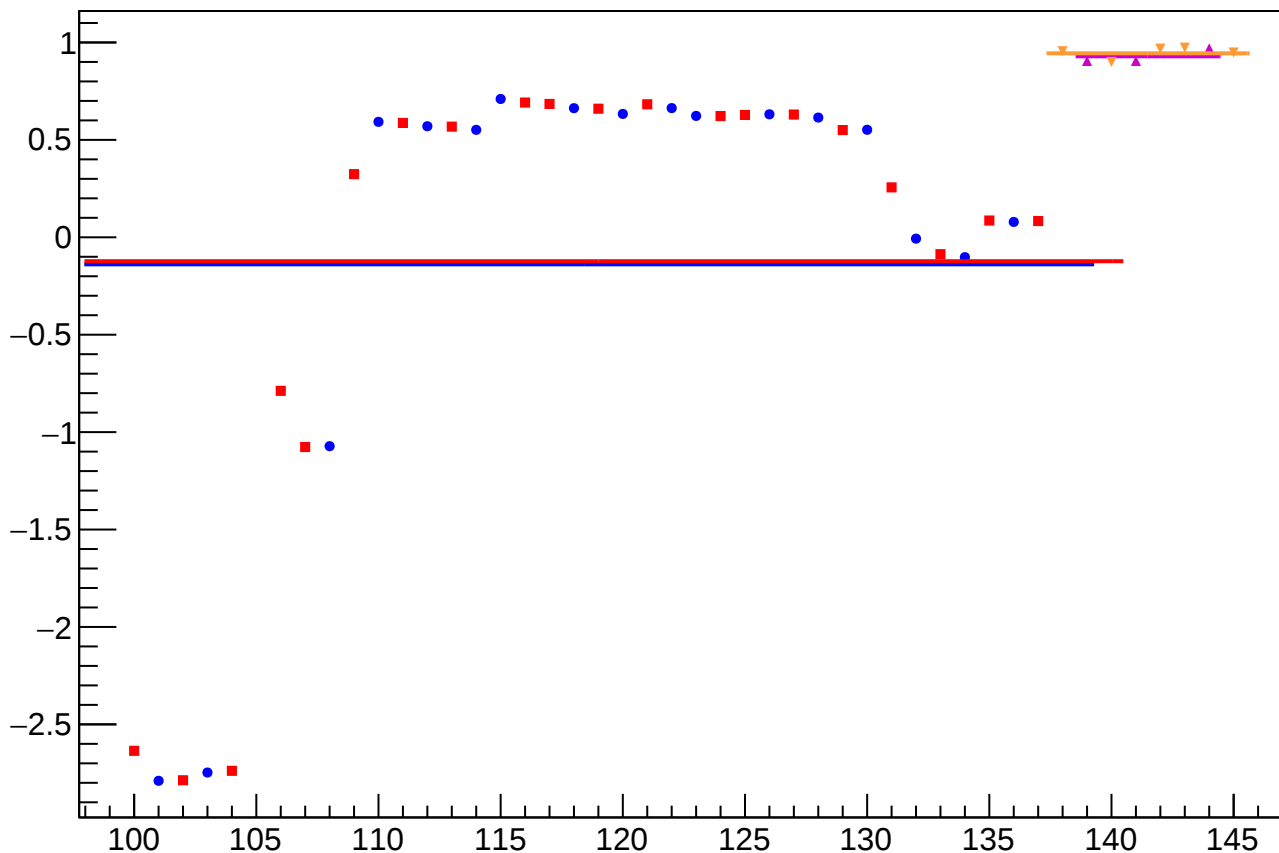
Left In: 0.007+/-0.000 χ^2/NDF : 239.6/2

0.010+/-0.000 χ^2/NDF : 2742707.9/21

0.010+/-0.000 χ^2/NDF : 5254136.0/44

0.010+/-0.000 χ^2/NDF : 2489309.6/22

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

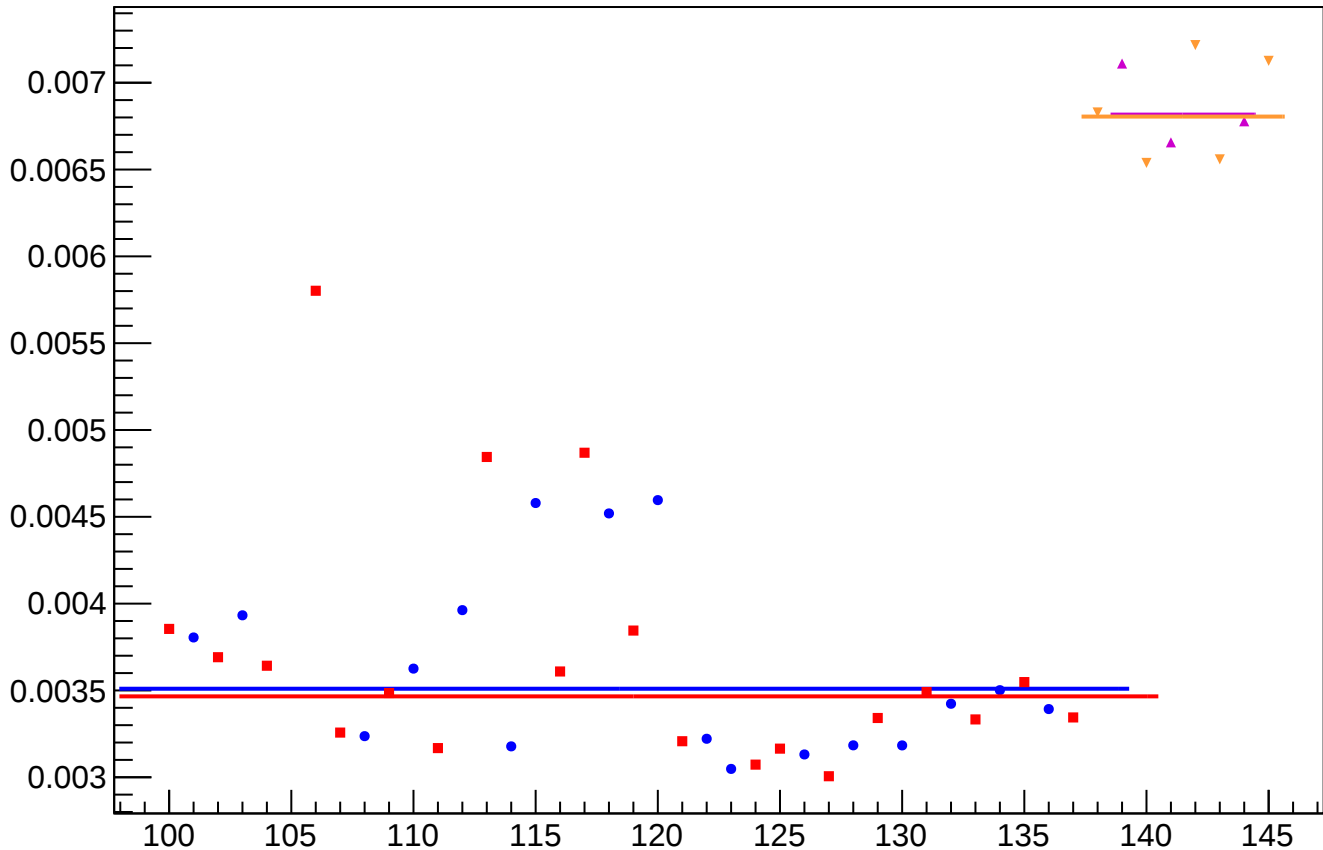
Right Out: -0.123+/-0.000 χ^2/NDF : 762580598699.5/19

-0.033+/-0.000 χ^2/NDF : 1589992225024.0/22

-0.043+/-0.000 χ^2/NDF : 810039742129.0/22

Left In: 0.929+/-0.000 χ^2/NDF : 44448150.1/2

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

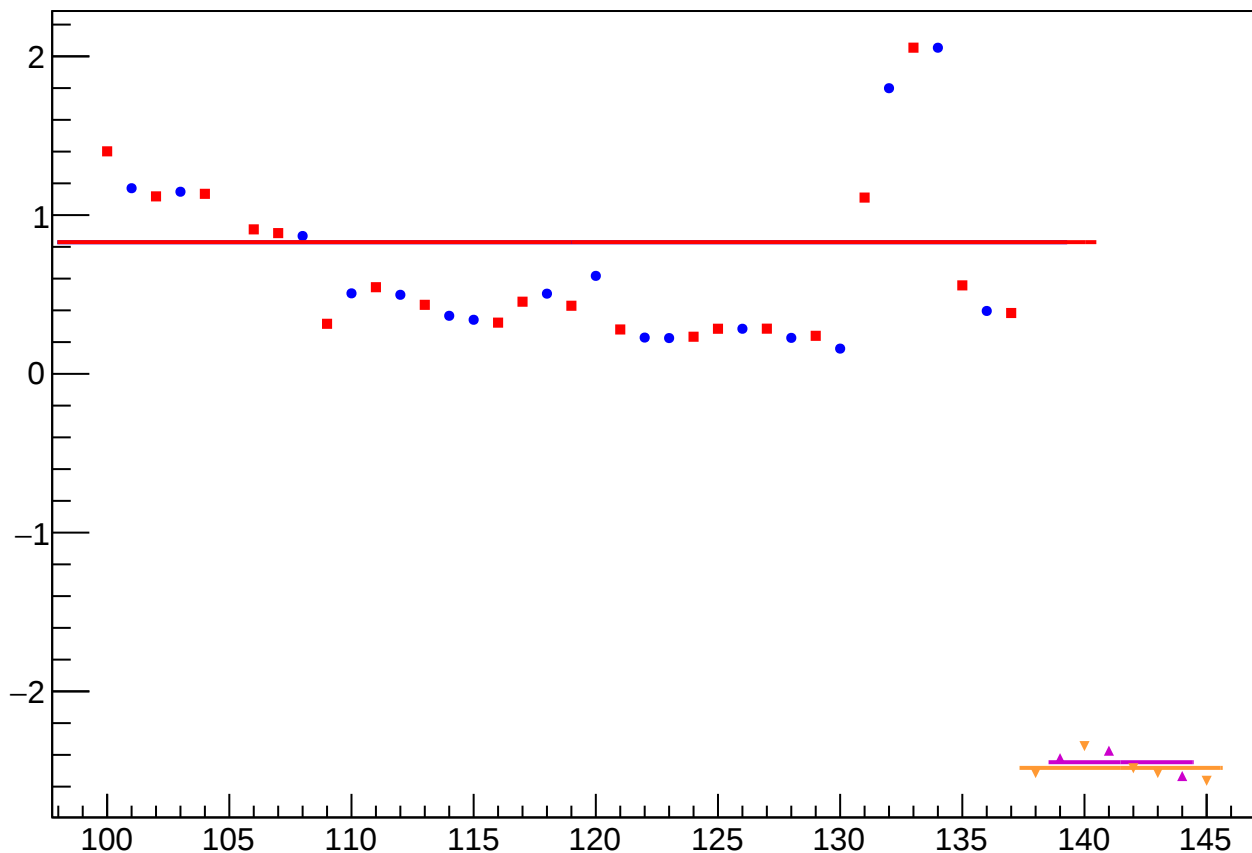
Left In: 0.007 $\pm$ 0.000 χ^2/NDF : 2992.6/2

0.004 $\pm$ 0.000 χ^2/NDF : 1378722.6/21

0.004 $\pm$ 0.000 χ^2/NDF : 2578966.3/44

0.004 $\pm$ 0.000 χ^2/NDF : 1188101.7/22

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.829 $\pm$ 0.000 χ^2 /NDF: 31718573821.2/16

Left Out: -2.482 $\pm$ 0.000 χ^2 /NDF: 460947310.7/4

Right Out: 0.830 $\pm$ 0.000 χ^2 /NDF: 33349713412.0/19

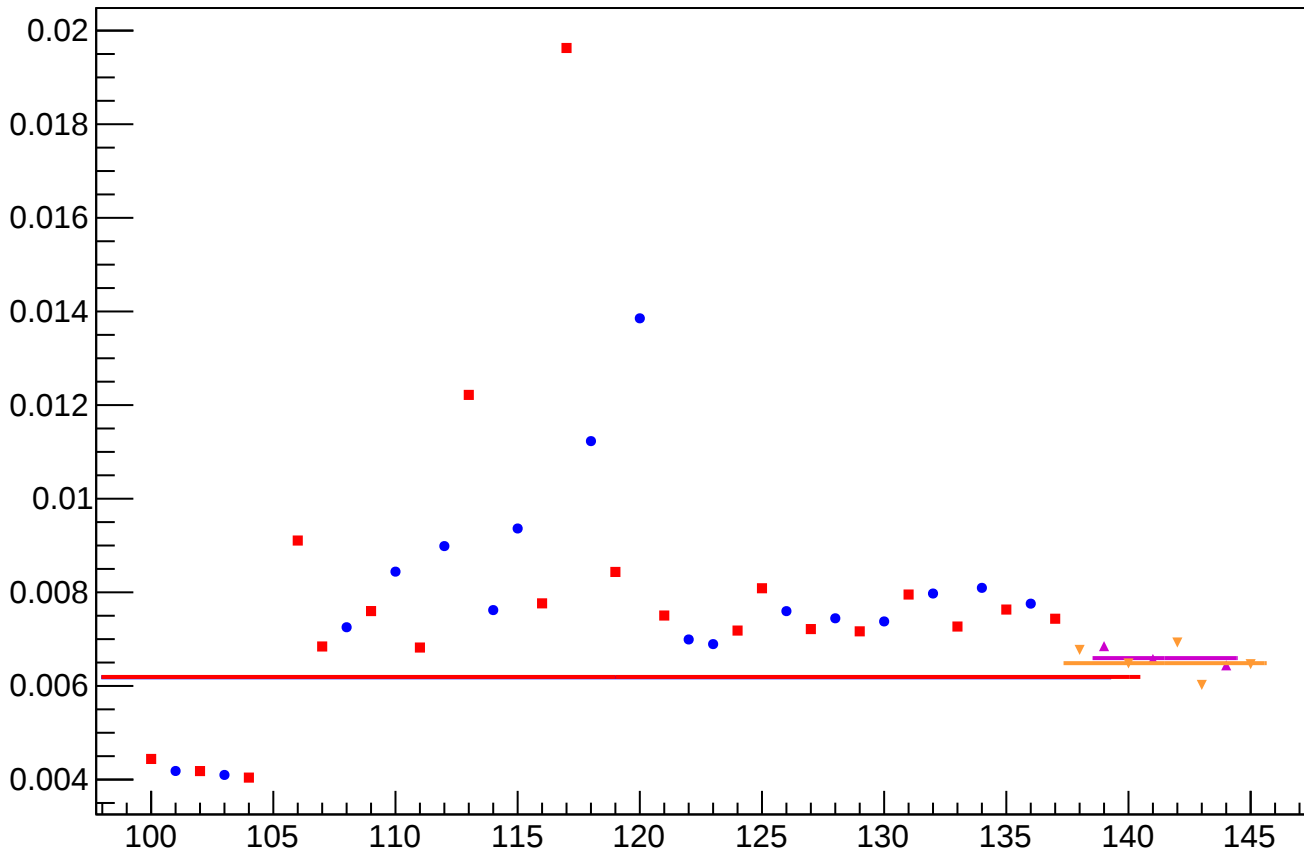
Left In: -2.446 $\pm$ 0.000 χ^2 /NDF: 251327313.5/2

-0.287 $\pm$ 0.000 χ^2 /NDF: 545490903793.7/21

-0.140 $\pm$ 0.000 χ^2 /NDF: 995691041460.1

0.011 $\pm$ 0.000 χ^2 /NDF: 441060147697.7/22

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

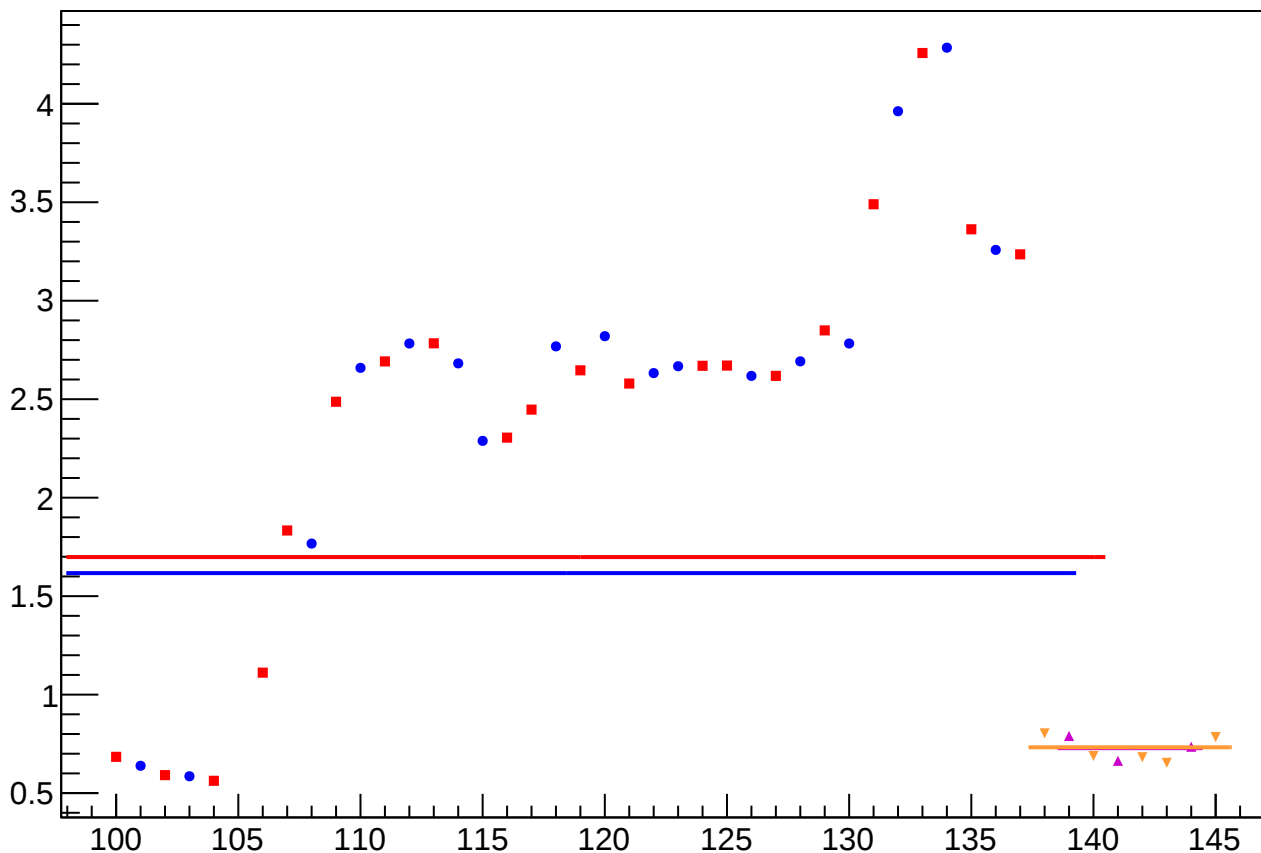
Left In: 0.007+/-0.000 χ^2/NDF : 2616.7/2

0.006+/-0.000 χ^2/NDF : 1249373.2/21

0.006+/-0.000 χ^2/NDF : 2327187.8/44

0.006+/-0.000 χ^2/NDF : 1077805.9/22

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

1.305 $\pm$ 0.000 χ^2/NDF : 242718925383.5/21

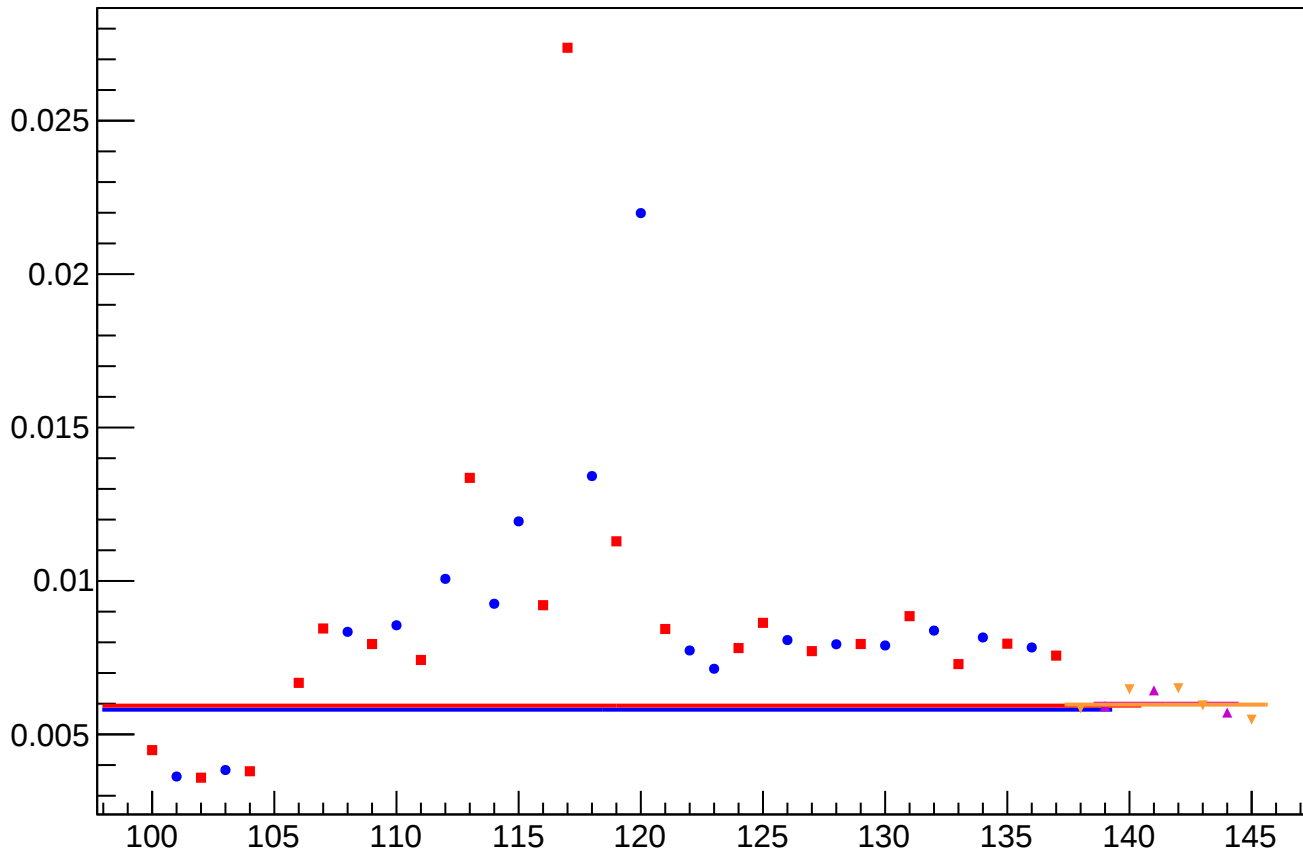
Right Out: 1.698 $\pm$ 0.000 χ^2/NDF : 227436227264.4/19

1.366 $\pm$ 0.000 χ^2/NDF : 511547363036.8/21

1.431 $\pm$ 0.000 χ^2/NDF : 267112880444.1/22

Left In: 0.728 $\pm$ 0.000 χ^2/NDF : 139275586.4/2

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

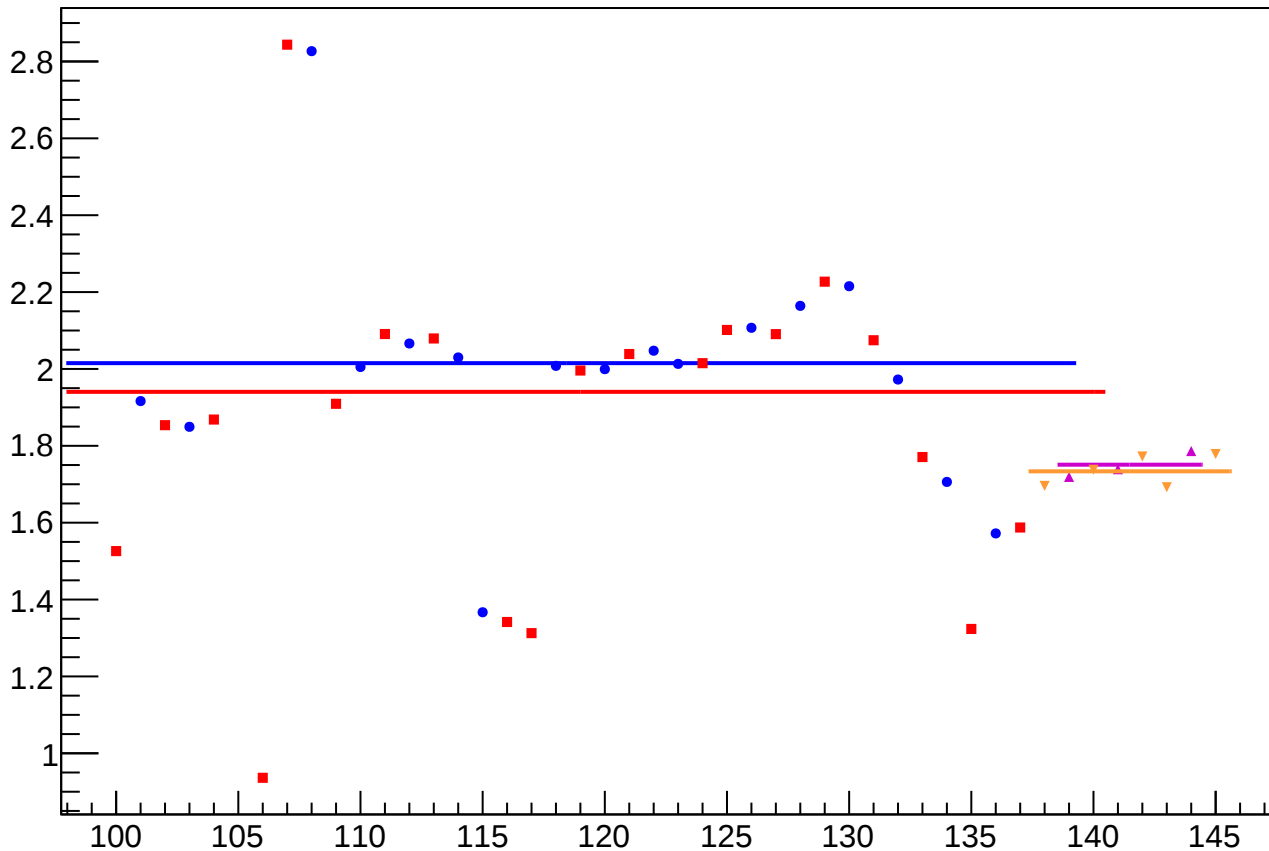
Left In: 0.006+/-0.000 χ^2/NDF : 11037.9/2

0.006+/-0.000 χ^2/NDF : 1944615.2/21

0.006+/-0.000 χ^2/NDF : 3689031.3/44

0.006+/-0.000 χ^2/NDF : 1742644.2/22

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

Right Out: 1.940 +/- 0.000 χ^2/NDF : 21732099424.5/19

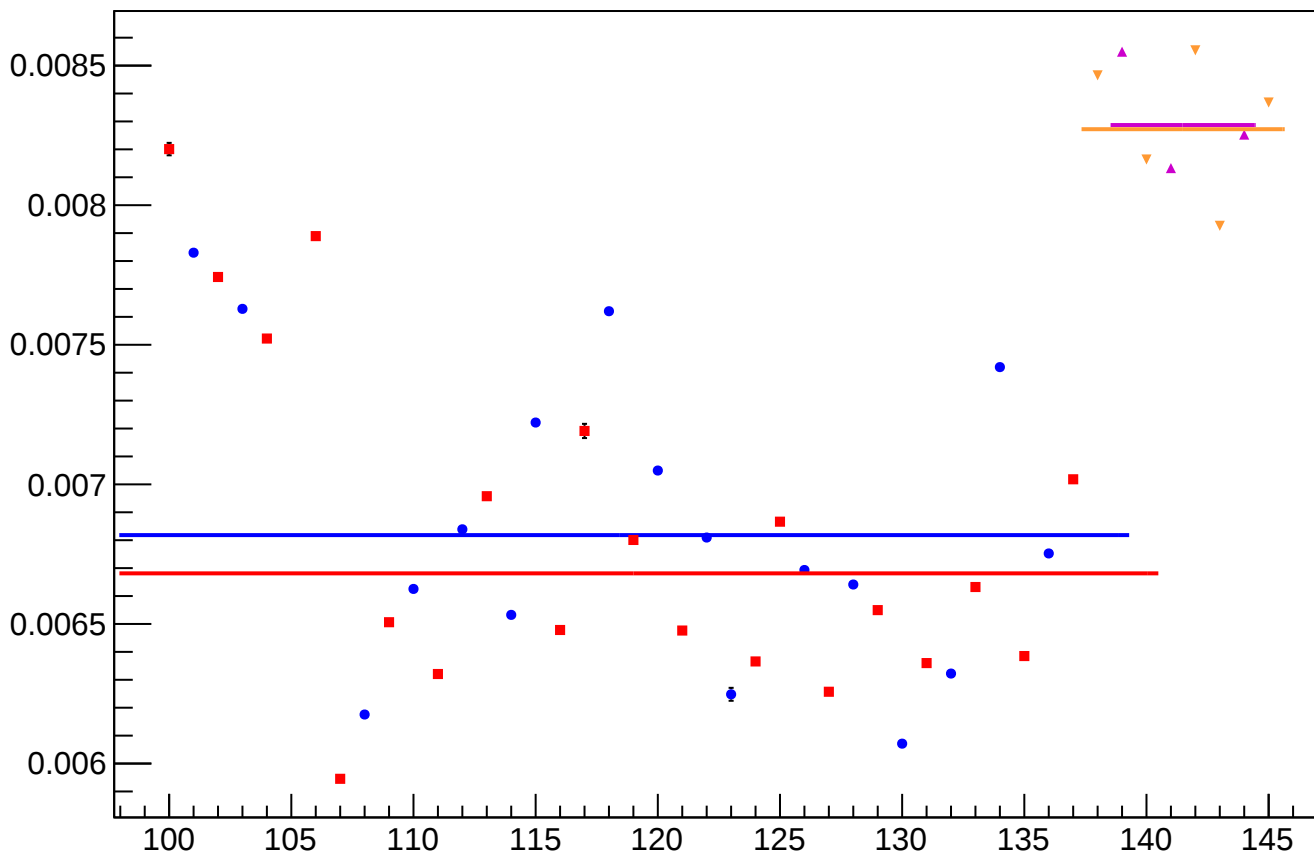
Left In: 1.751 +/- 0.000 χ^2/NDF : 25726453.0/2

1.945 +/- 0.000 χ^2/NDF : 14991652829.6/21

1.926 +/- 0.000 χ^2/NDF : 37865488539.6/4

1.907 +/- 0.000 χ^2/NDF : 22738780263.3/22

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 75813.9/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 4191.9/4

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 76121.2/19

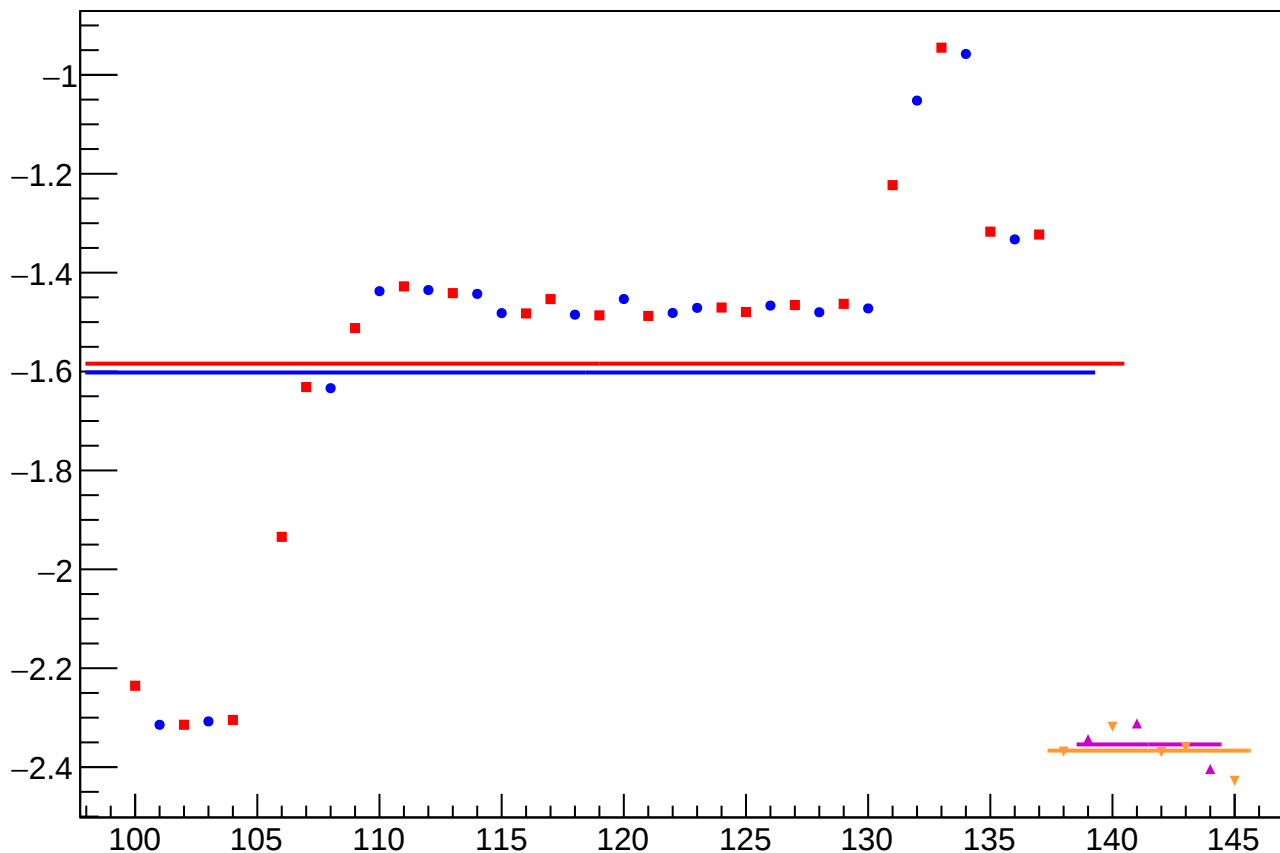
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 1838.4/2

0.007 $\pm$ 0.000 χ^2/NDF : 224340.6/21

0.007 $\pm$ 0.000 χ^2/NDF : 451511.4/44

0.007 $\pm$ 0.000 χ^2/NDF : 218807.4/22

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

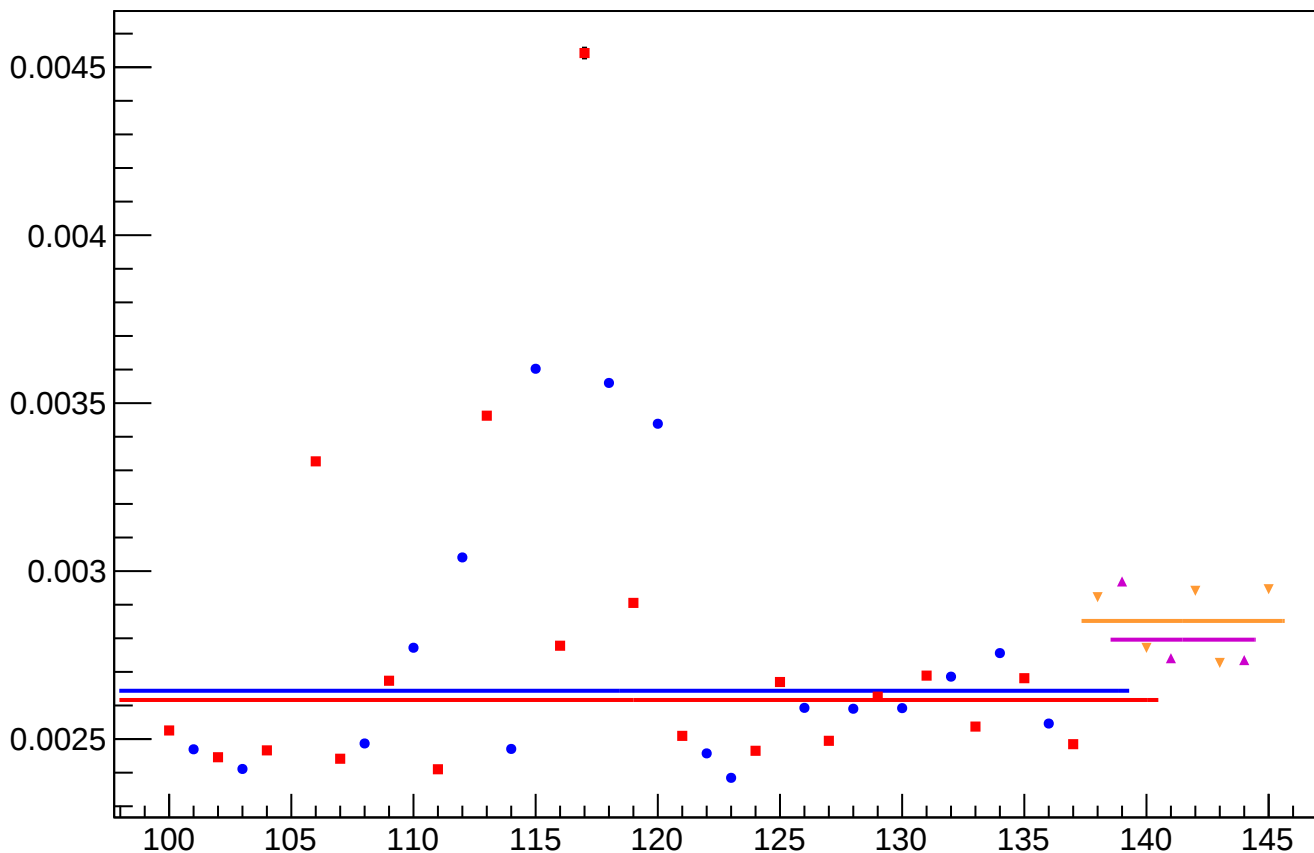
Left In: -2.354+/-0.000 χ^2/NDF : 467847772.8/2

-1.826+/-0.000 χ^2/NDF : 294527623045.8/21

-1.792+/-0.000 χ^2/NDF : 573128412945.9

-1.758+/-0.000 χ^2/NDF : 275731522515.8/22

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

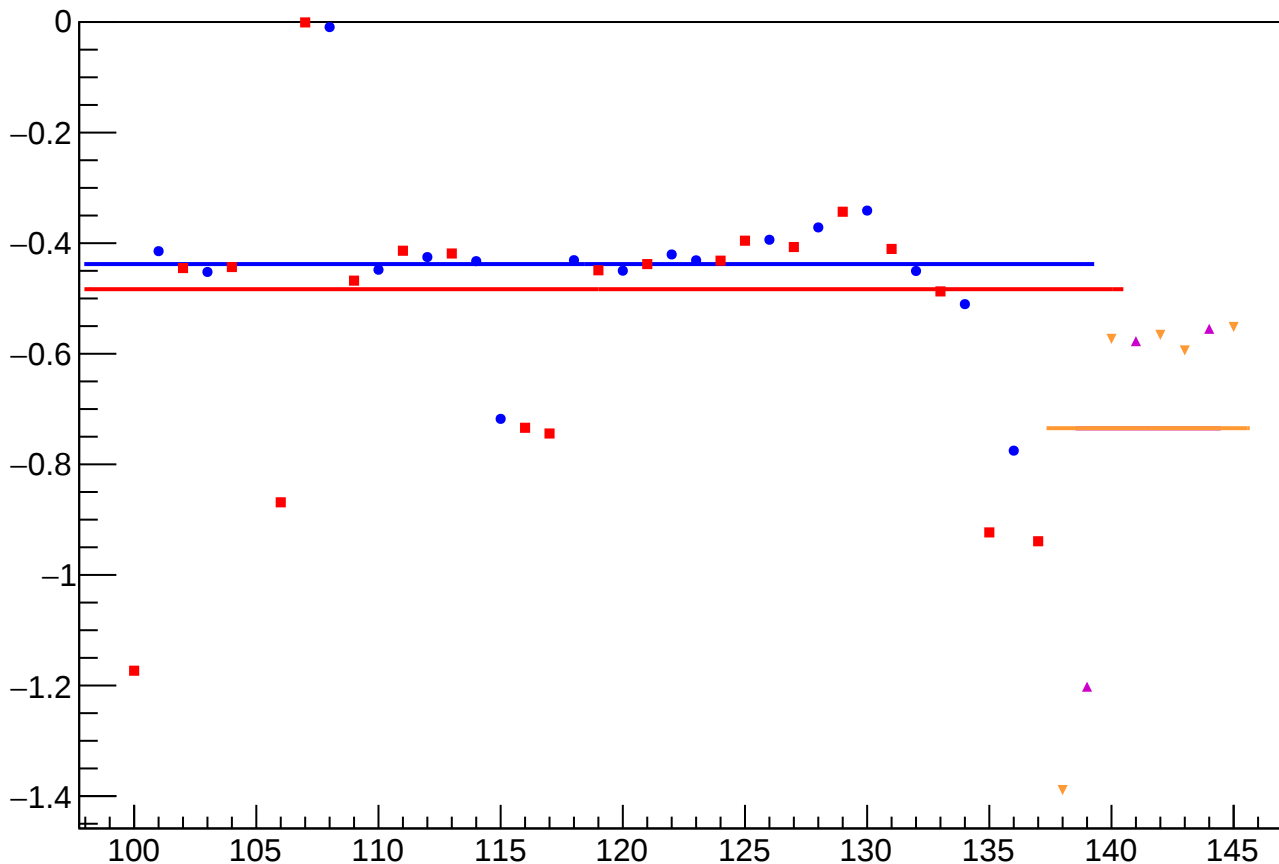
Left In: 0.003+/-0.000 χ^2/NDF : 5769.6/2

0.003+/-0.000 χ^2/NDF : 180594.5/21

0.003+/-0.000 χ^2/NDF : 323402.0/44

0.003+/-0.000 χ^2/NDF : 139931.3/22

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

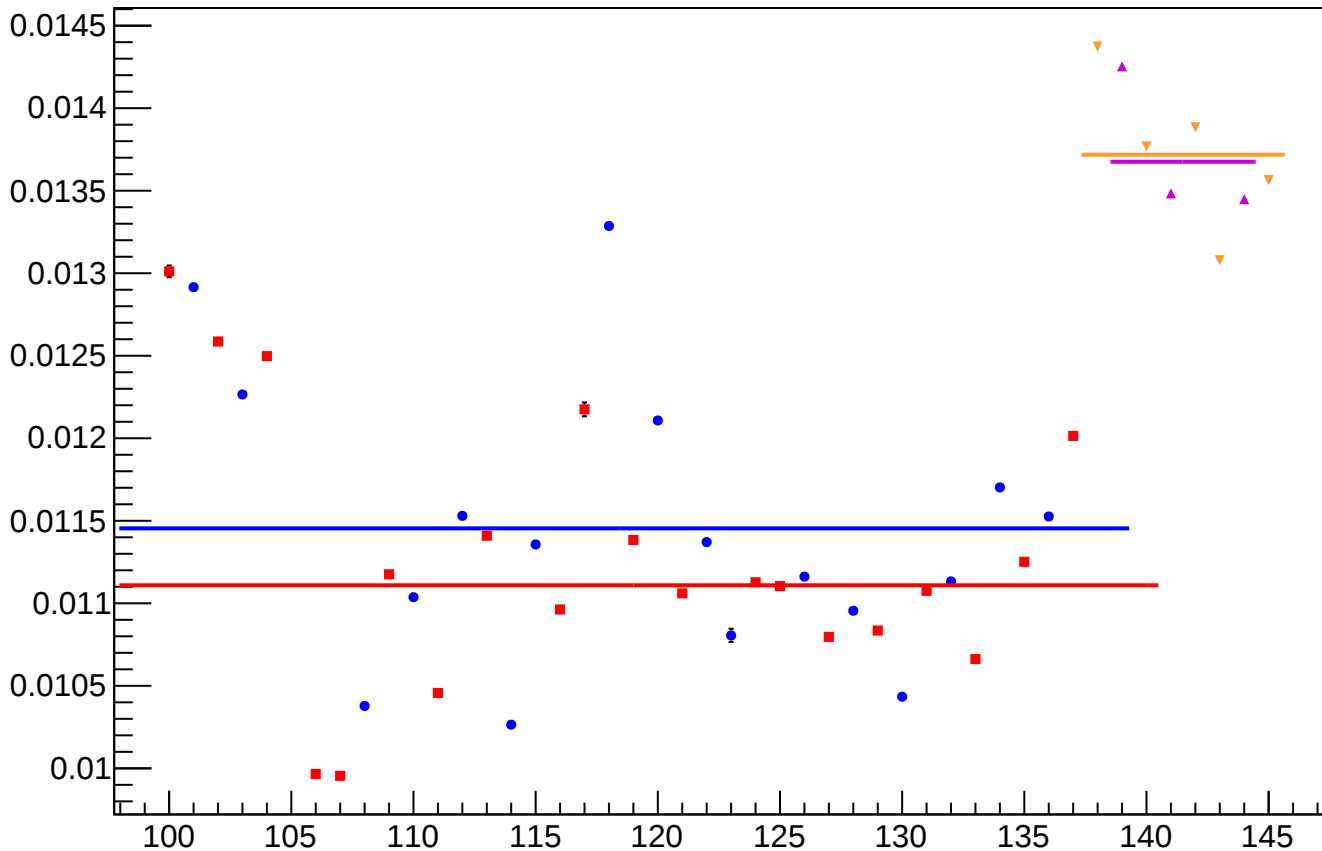
Left In: -0.735+/-0.000 χ^2/NDF : 955848829.7/2

-0.512+/-0.000 χ^2/NDF : 4293847063.8/21

-0.520+/-0.000 χ^2/NDF : 8603769226.4/4

-0.528+/-0.000 χ^2/NDF : 4301275913.9/22

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

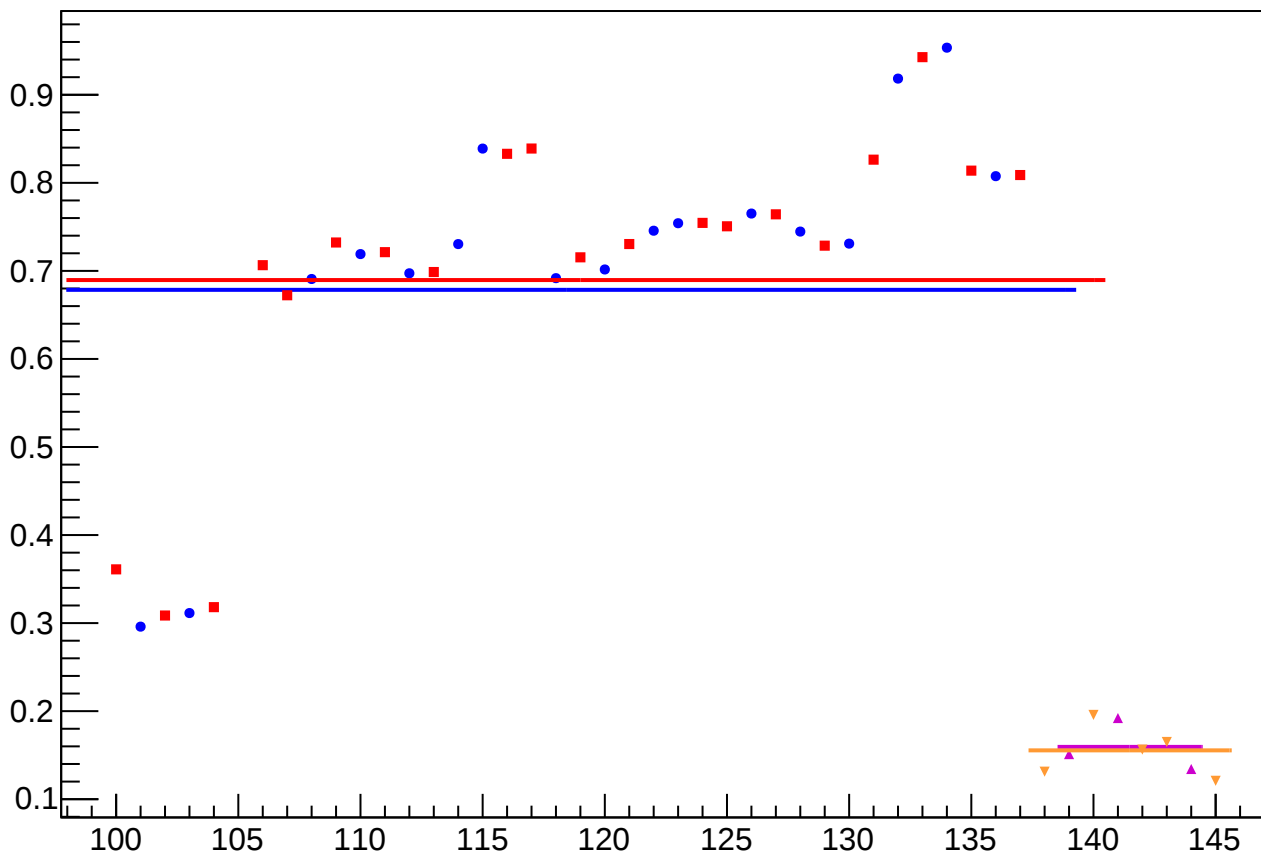
Left In: 0.014+/-0.000 χ^2/NDF : 2930.9/2

0.012+/-0.000 χ^2/NDF : 196019.2/21

0.012+/-0.000 χ^2/NDF : 400685.9/44

0.012+/-0.000 χ^2/NDF : 190770.4/22

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

0.458 $\pm$ 0.000 χ^2 /NDF: 156167900167.4/21

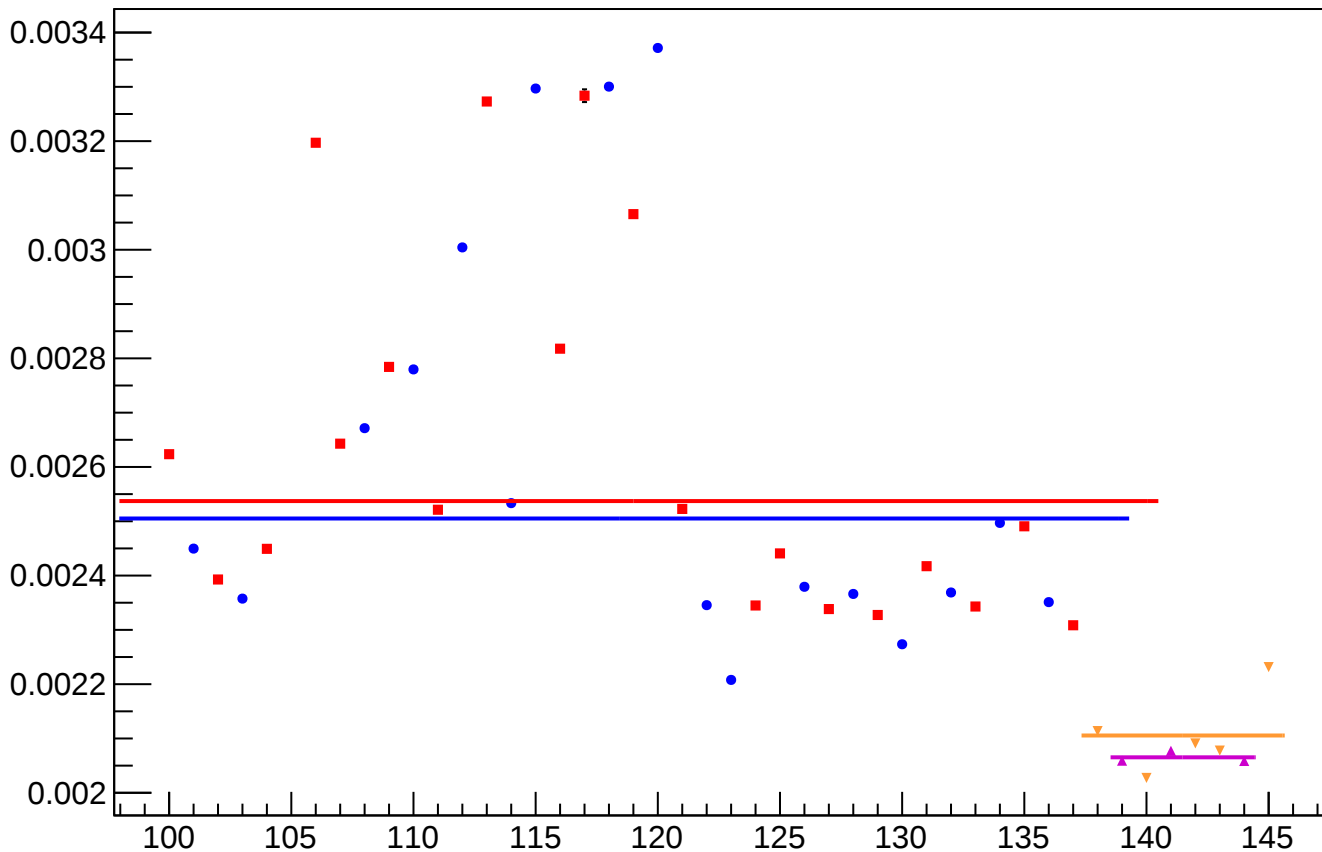
Right Out: 0.690 $\pm$ 0.000 χ^2 /NDF: 35439496983.3/19

0.481 $\pm$ 0.000 χ^2 /NDF: 295749775017.0/21

0.506 $\pm$ 0.000 χ^2 /NDF: 137652538576.1/22

Left In: 0.159 $\pm$ 0.000 χ^2 /NDF: 345097983.1/2

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

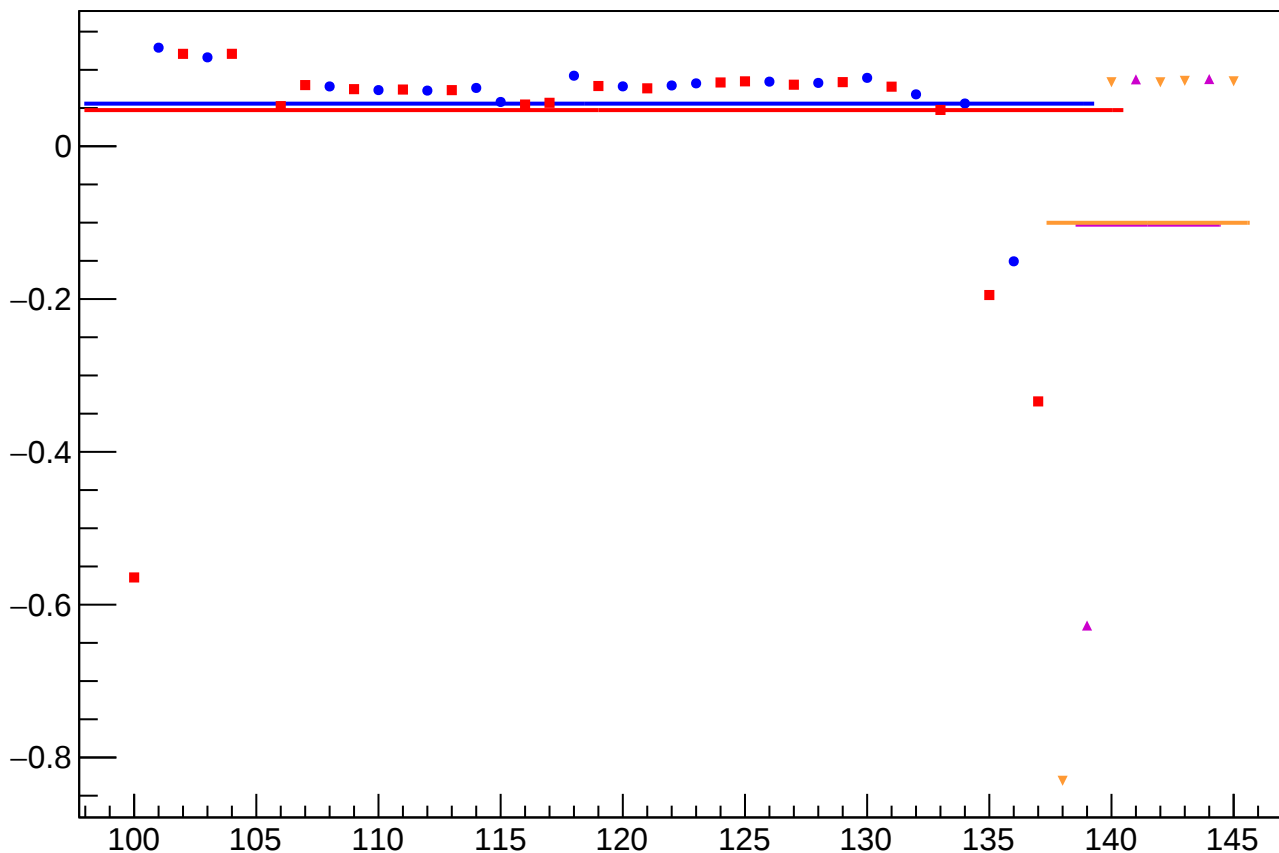
Left In: 0.002 $\pm$ 0.000 χ^2/NDF : 86.1/2

0.002 $\pm$ 0.000 χ^2/NDF : 319567.4/21

0.002 $\pm$ 0.000 χ^2/NDF : 619007.8/44

0.002 $\pm$ 0.000 χ^2/NDF : 297129.3/22

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.056 +/- 0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.100 +/- 0.000 χ^2/NDF : 2703930694.2/4

Right Out: 0.047 +/- 0.000 χ^2/NDF : 819626031.7/19

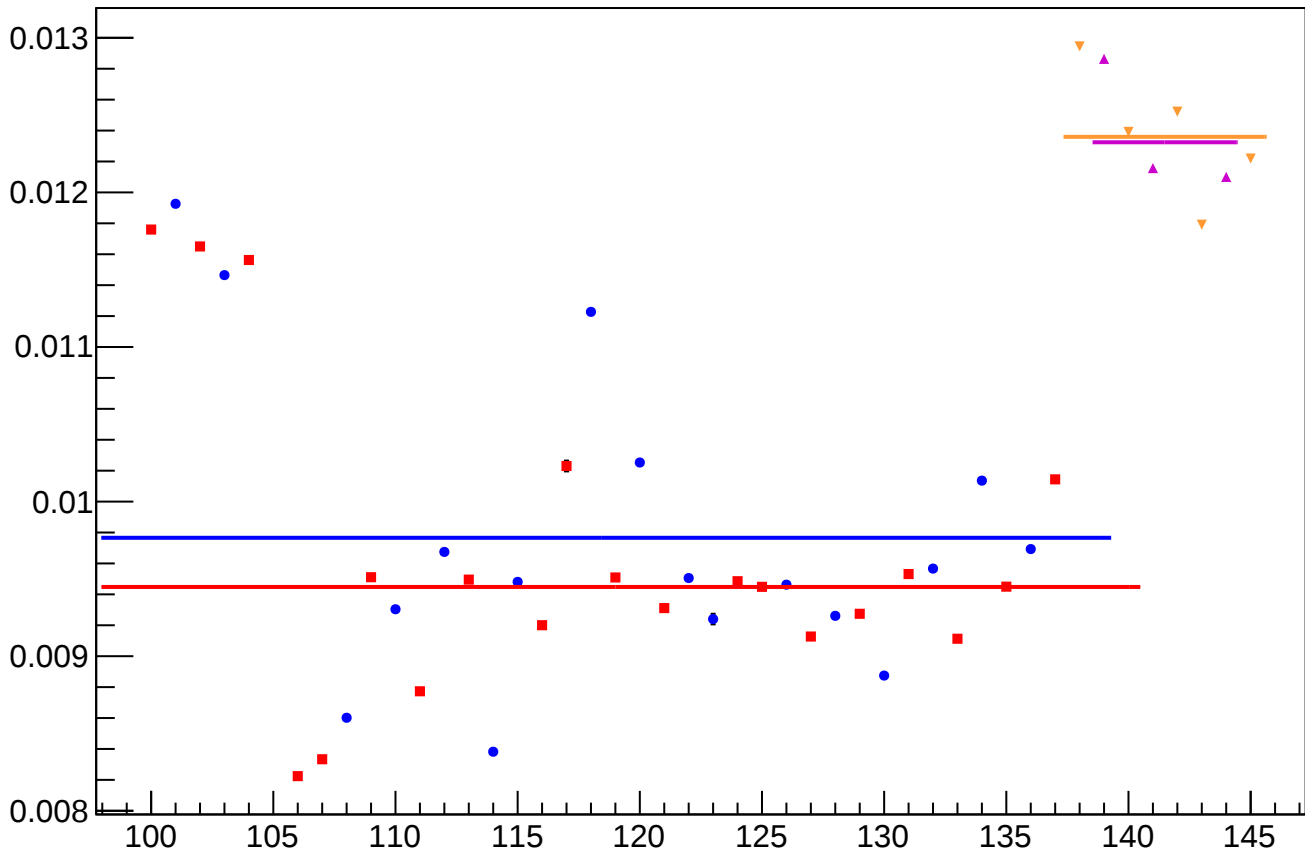
Left In: -0.103 +/- 0.000 χ^2/NDF : 1486701366.3/2

0.020 +/- 0.000 χ^2/NDF : 3502591903.8/21

0.022 +/- 0.000 χ^2/NDF : 6090316302.2/44

0.023 +/- 0.000 χ^2/NDF : 2587270854.8/22

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 116638.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:5675.1/4

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 111197.0/19

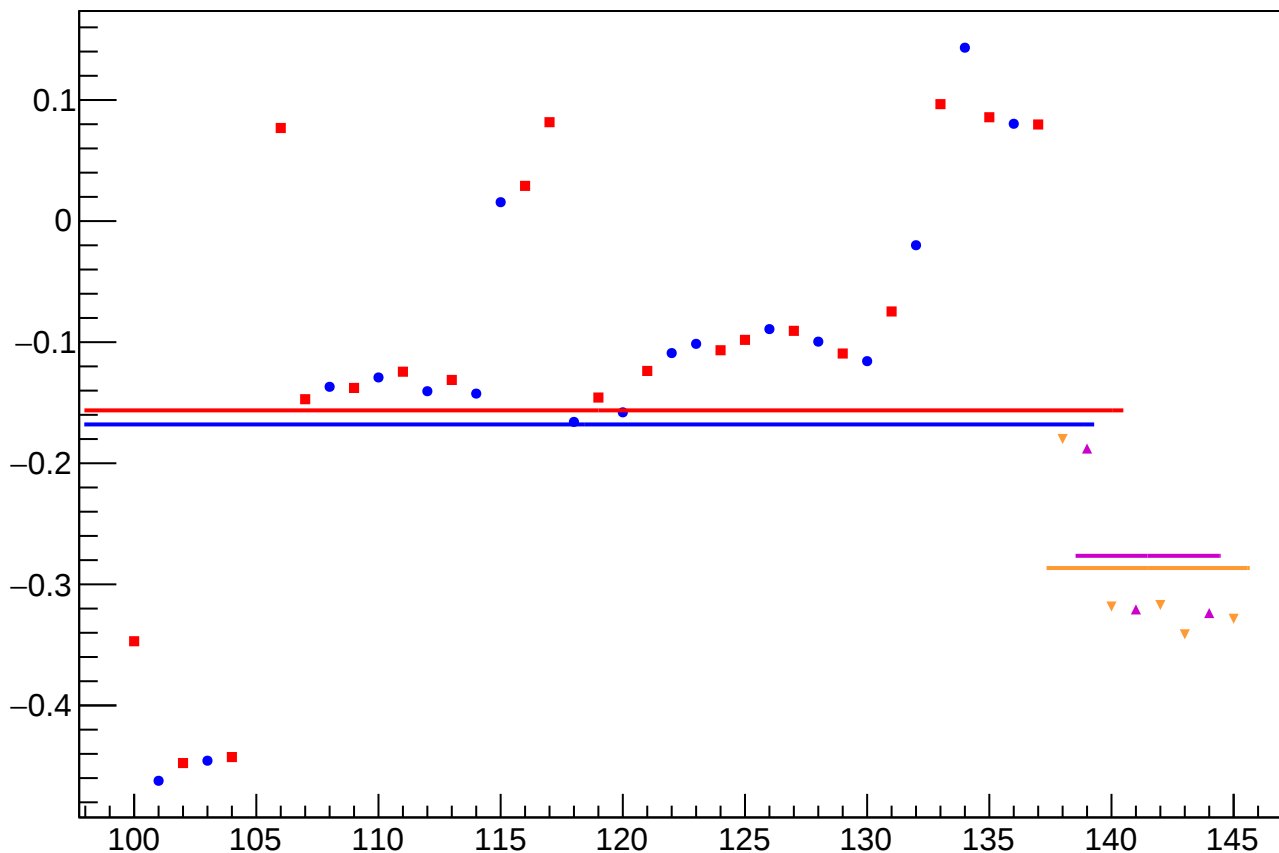
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3163.5/2

0.010 $\pm$ 0.000 χ^2 /NDF: 330173.5/21

0.010 $\pm$ 0.000 χ^2 /NDF: 669462.9/44

0.010 $\pm$ 0.000 χ^2 /NDF: 321054.1/22

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.287+/-0.000 χ^2/NDF : 1473637065.7/4

Right Out: -0.156+/-0.000 χ^2/NDF : 11061140252.3/19

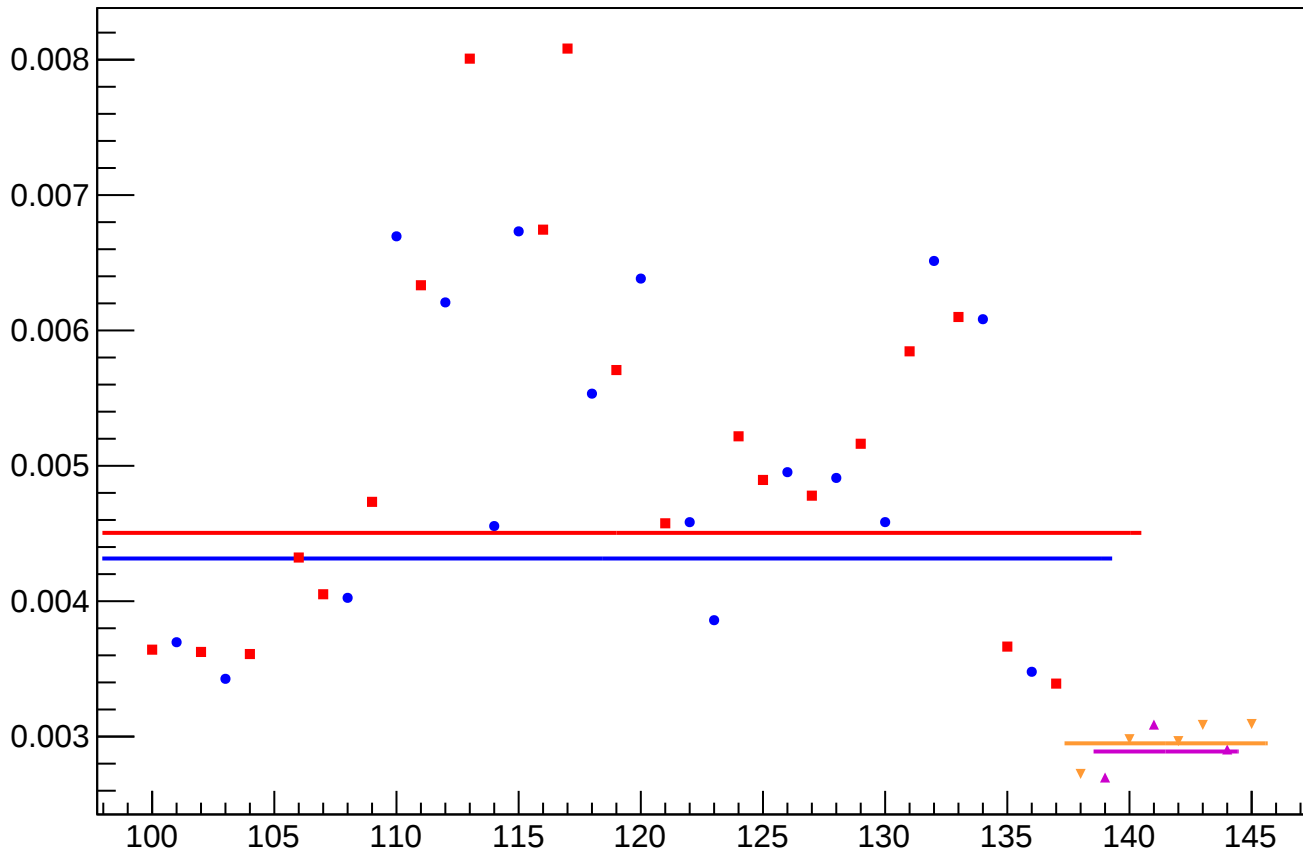
Left In: -0.276+/-0.000 χ^2/NDF : 1084178167.7/2

-0.230+/-0.000 χ^2/NDF : 16105801166.1/21

-0.222+/-0.000 χ^2/NDF : 30412846266.0/4

-0.212+/-0.000 χ^2/NDF : 14206784007.3/22

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 619744.7/16

Left Out: 0.003+/-0.000 χ^2/NDF :14738.7/4

Right Out: 0.005+/-0.000 χ^2/NDF : 665152.6/19

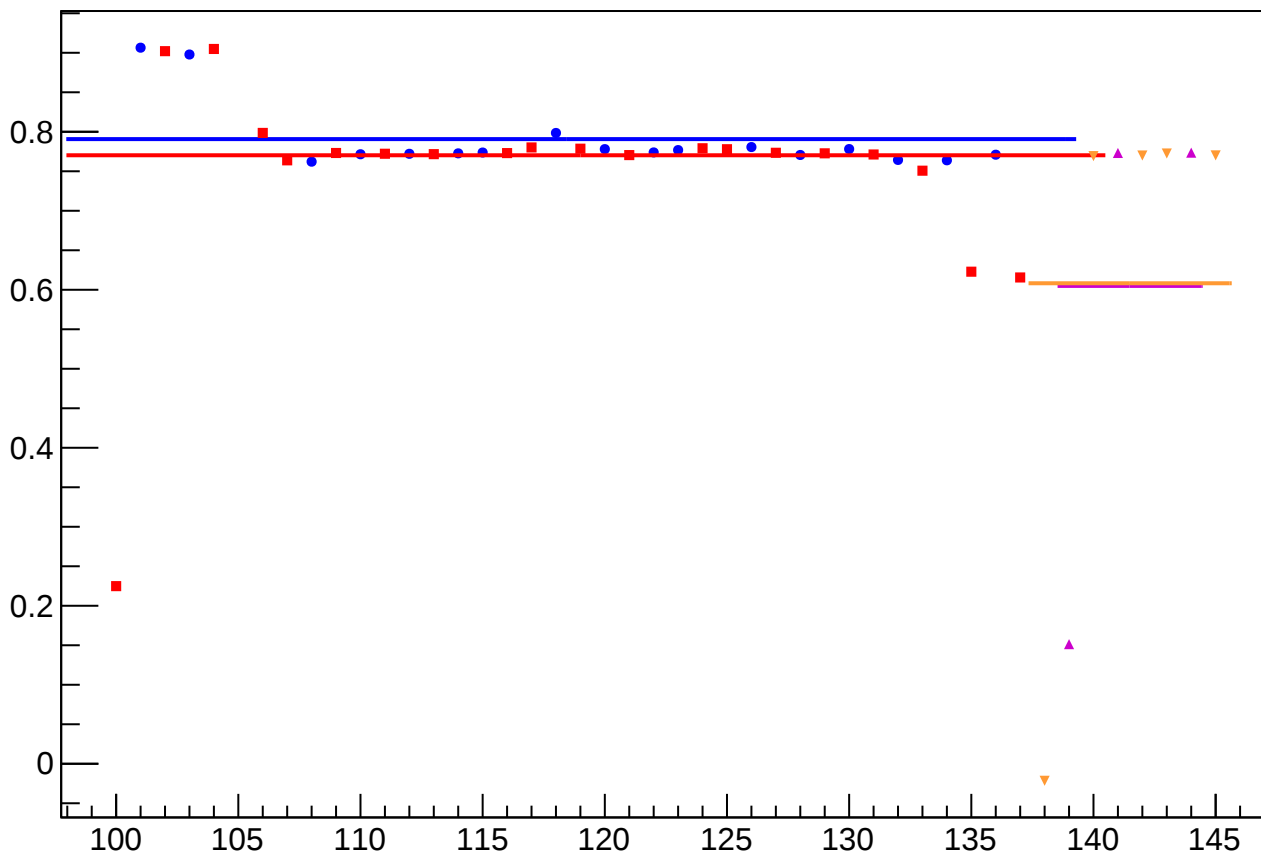
Left In: 0.003+/-0.000 χ^2/NDF :13109.1/2

0.004+/-0.000 χ^2/NDF : 1244352.0/21

0.004+/-0.000 χ^2/NDF : 2683047.0/44

0.004+/-0.000 χ^2/NDF : 1423727.4/22

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.791+/-0.000 χ^2/NDF : 106705767.1/16

Left Out: 0.608+/-0.000 χ^2/NDF : 2200739548.1/4

Right Out: 0.770+/-0.000 χ^2/NDF : 375473971.0/19

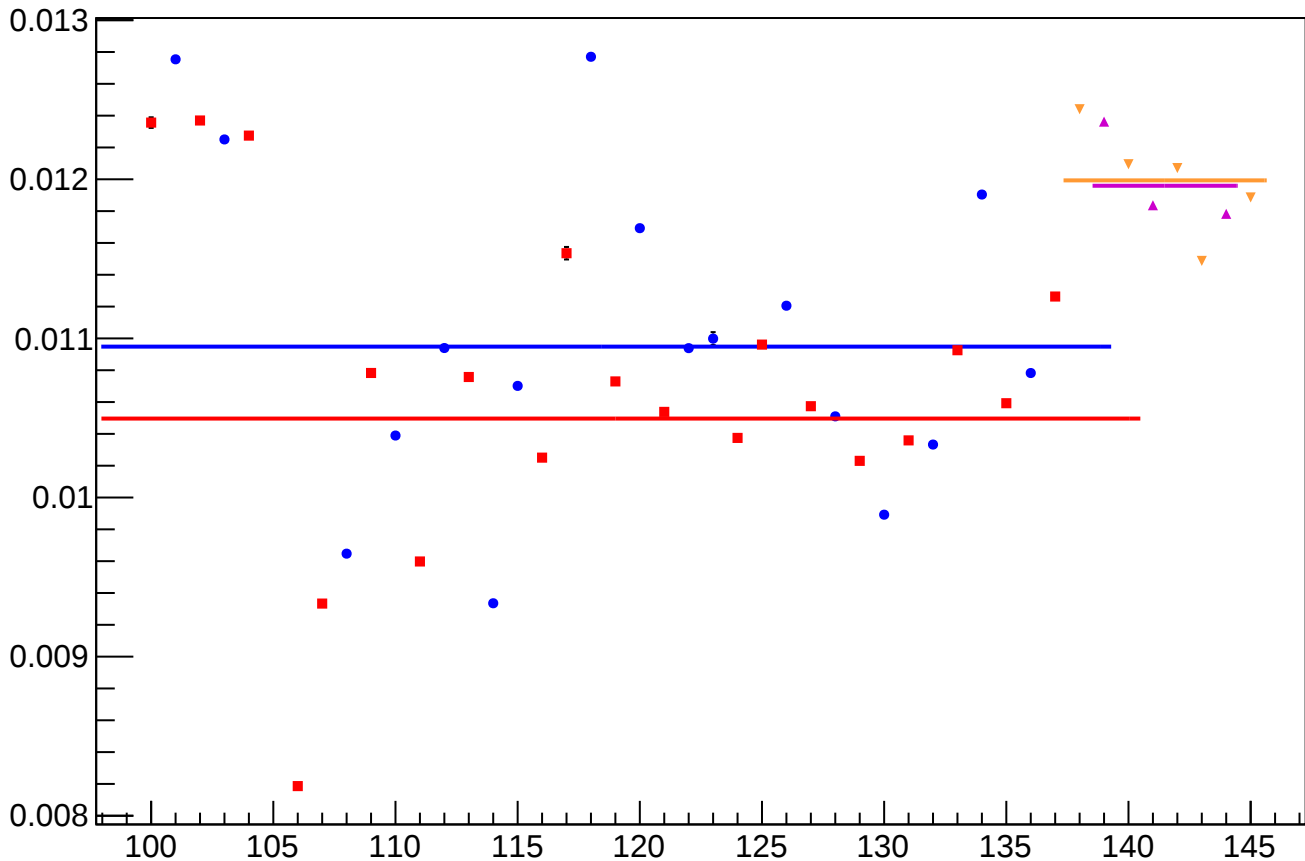
Left In: 0.605+/-0.000 χ^2/NDF : 1216737358.8/2

0.739+/-0.000 χ^2/NDF : 2819668002.0/21

0.738+/-0.000 χ^2/NDF : 4759628062.2/44

0.737+/-0.000 χ^2/NDF : 1939860956.6/22

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

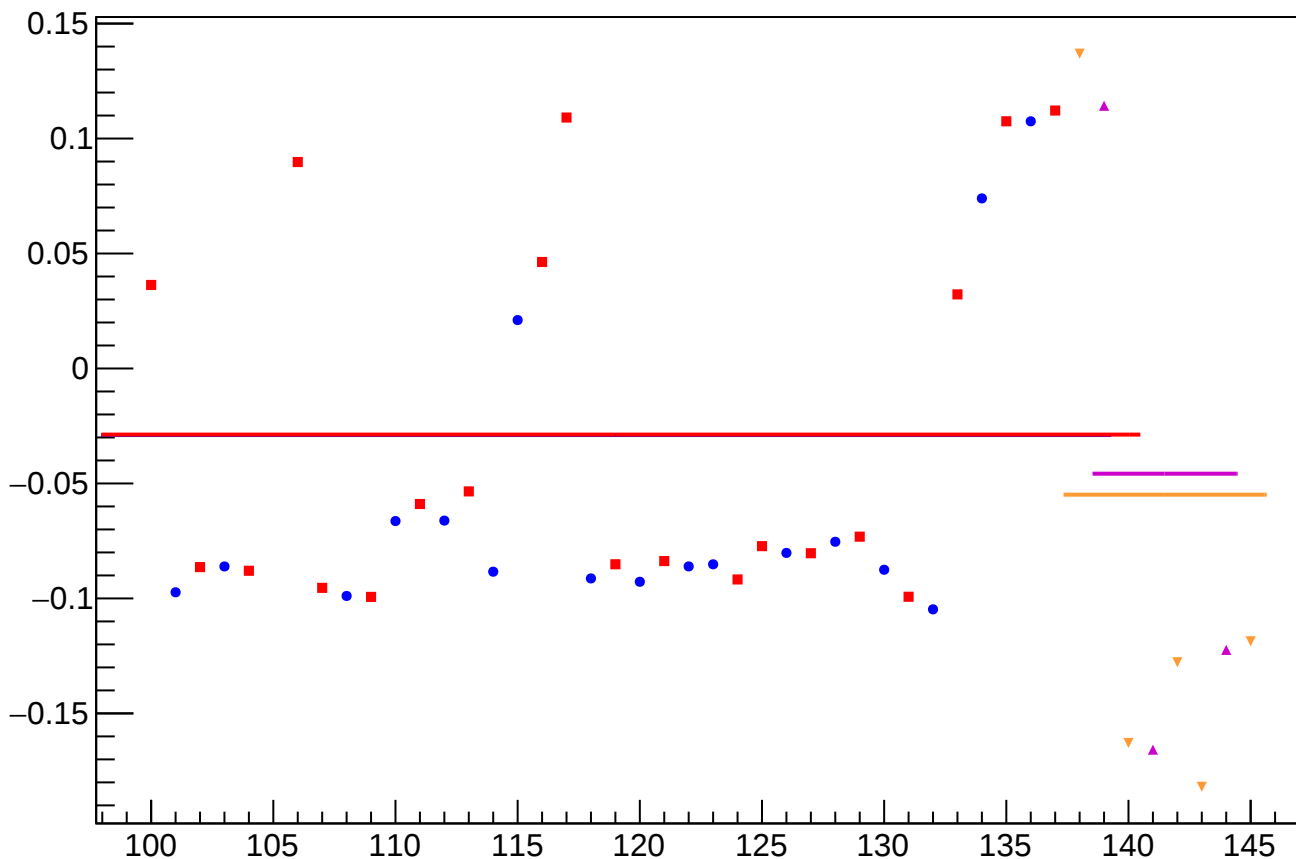
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:1939.3/2

0.011 $\pm$ 0.000 χ^2 /NDF: 136324.7/21

0.011 $\pm$ 0.000 χ^2 /NDF: 328836.4/44

0.011 $\pm$ 0.000 χ^2 /NDF: 176490.5/22

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

-0.041+/-0.000 χ^2/NDF : 7082320118.6/21

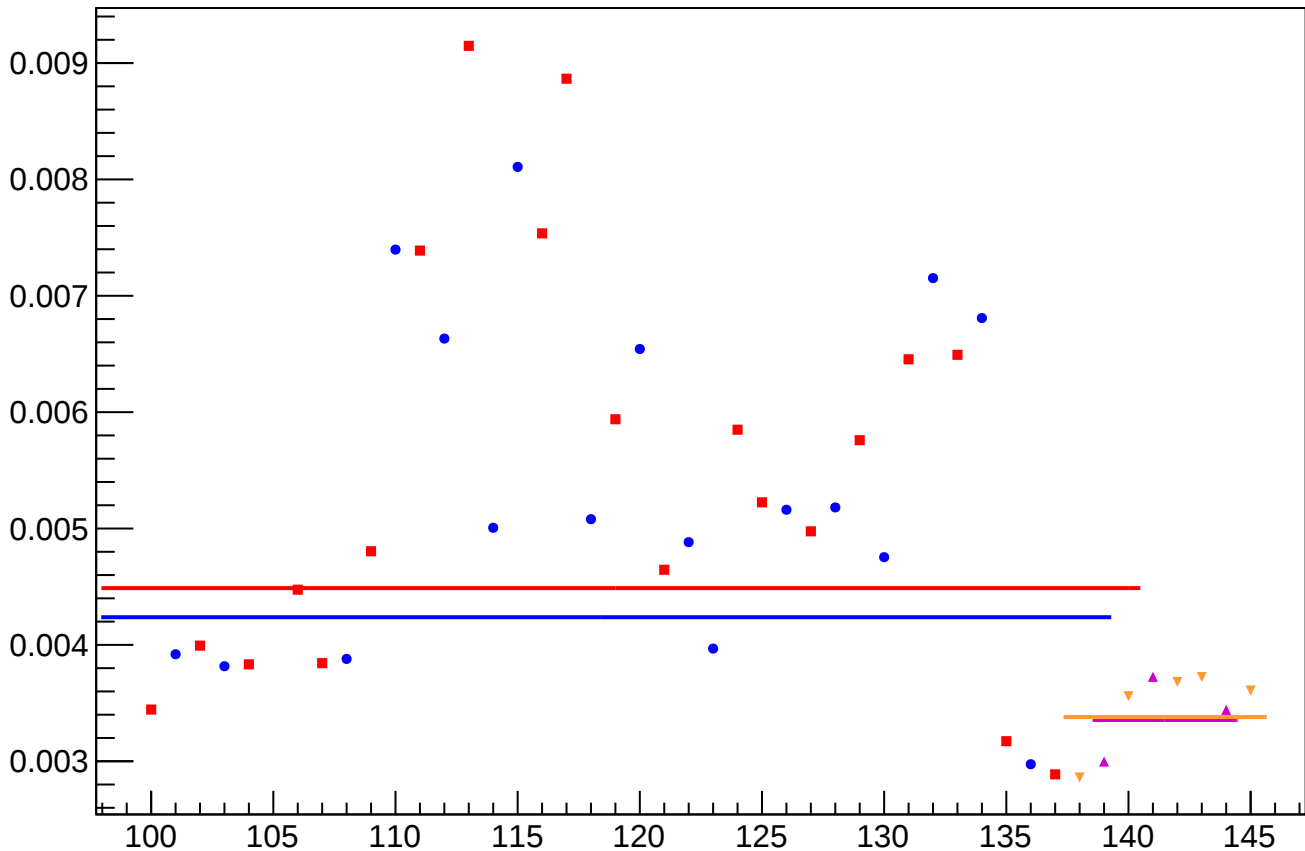
-0.038+/-0.000 χ^2/NDF : 12227643374.0/4

Right Out: -0.029+/-0.000 χ^2/NDF : 2122918772.1/19

-0.035+/-0.000 χ^2/NDF : 5138450898.4/22

Left In: -0.046+/-0.000 χ^2/NDF : 2982265407.5/2

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 881584.1/16

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF : 66453.4/4

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 1003473.4/19

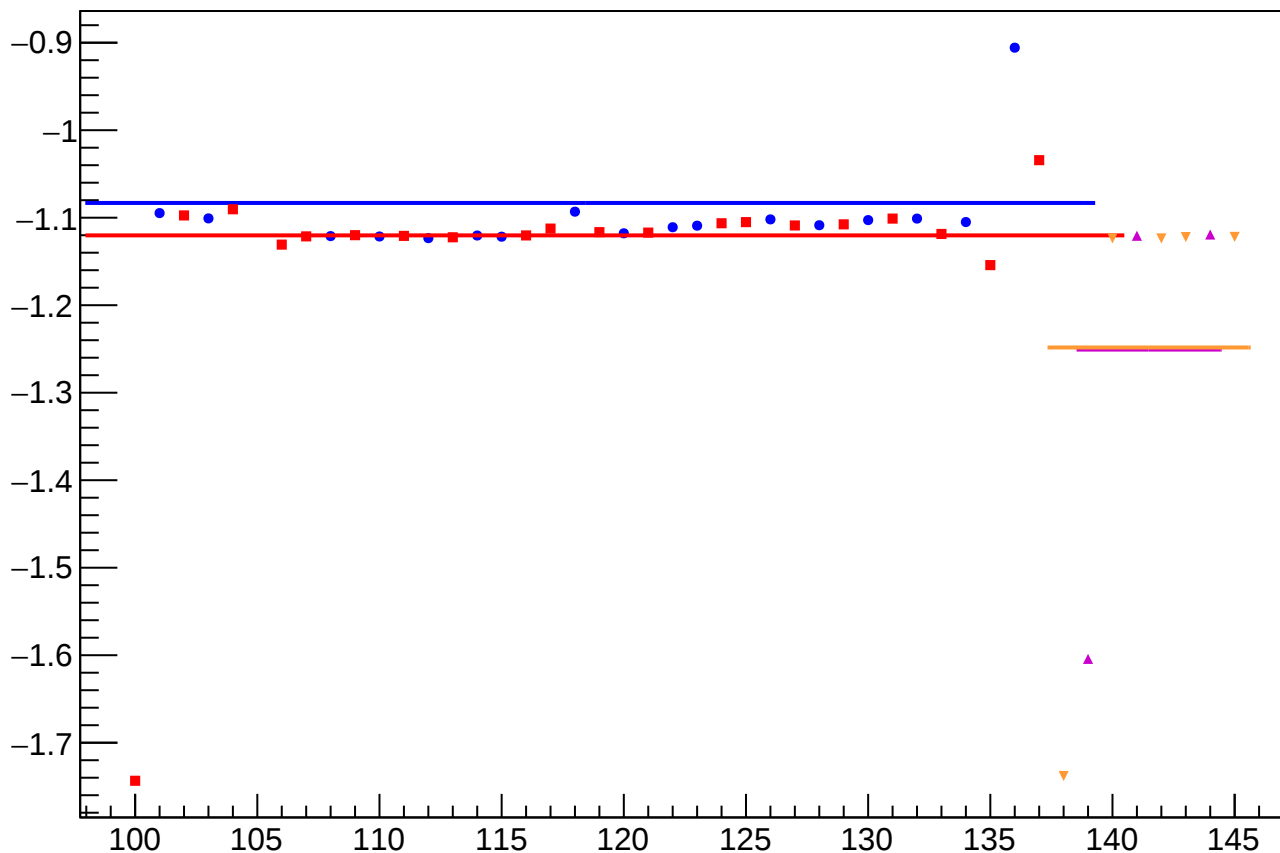
Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 33944.9/2

0.004 $\pm$ 0.000 χ^2/NDF : 1150088.3/21

0.004 $\pm$ 0.000 χ^2/NDF : 2501802.0/44

0.004 $\pm$ 0.000 χ^2/NDF : 1333233.8/22

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

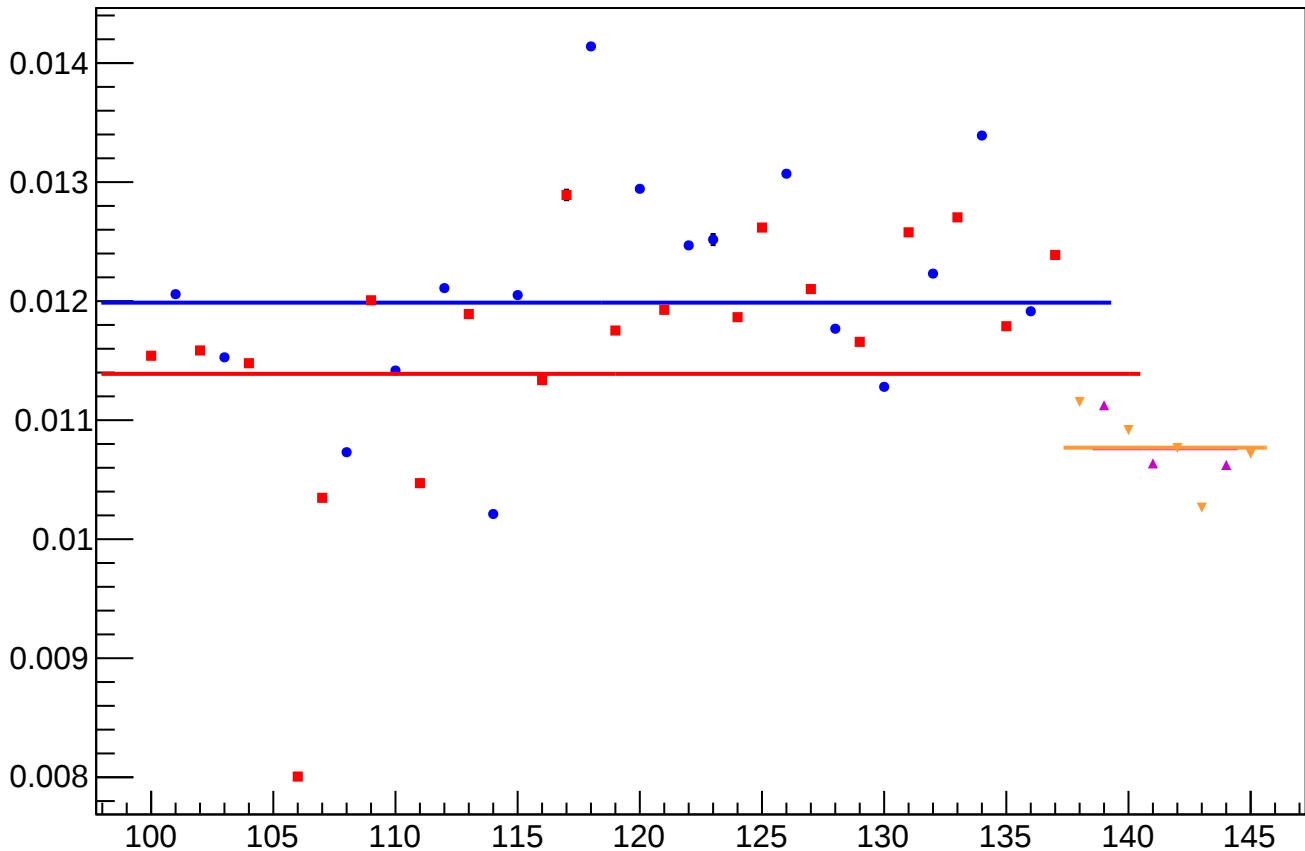
Left In: -1.251+/-0.000 χ^2/NDF : 914989343.8/2

-1.145+/-0.000 χ^2/NDF : 2323790515.0/21

-1.150+/-0.000 χ^2/NDF : 3708885285.5/4

-1.156+/-0.000 χ^2/NDF : 1381216089.8/22

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

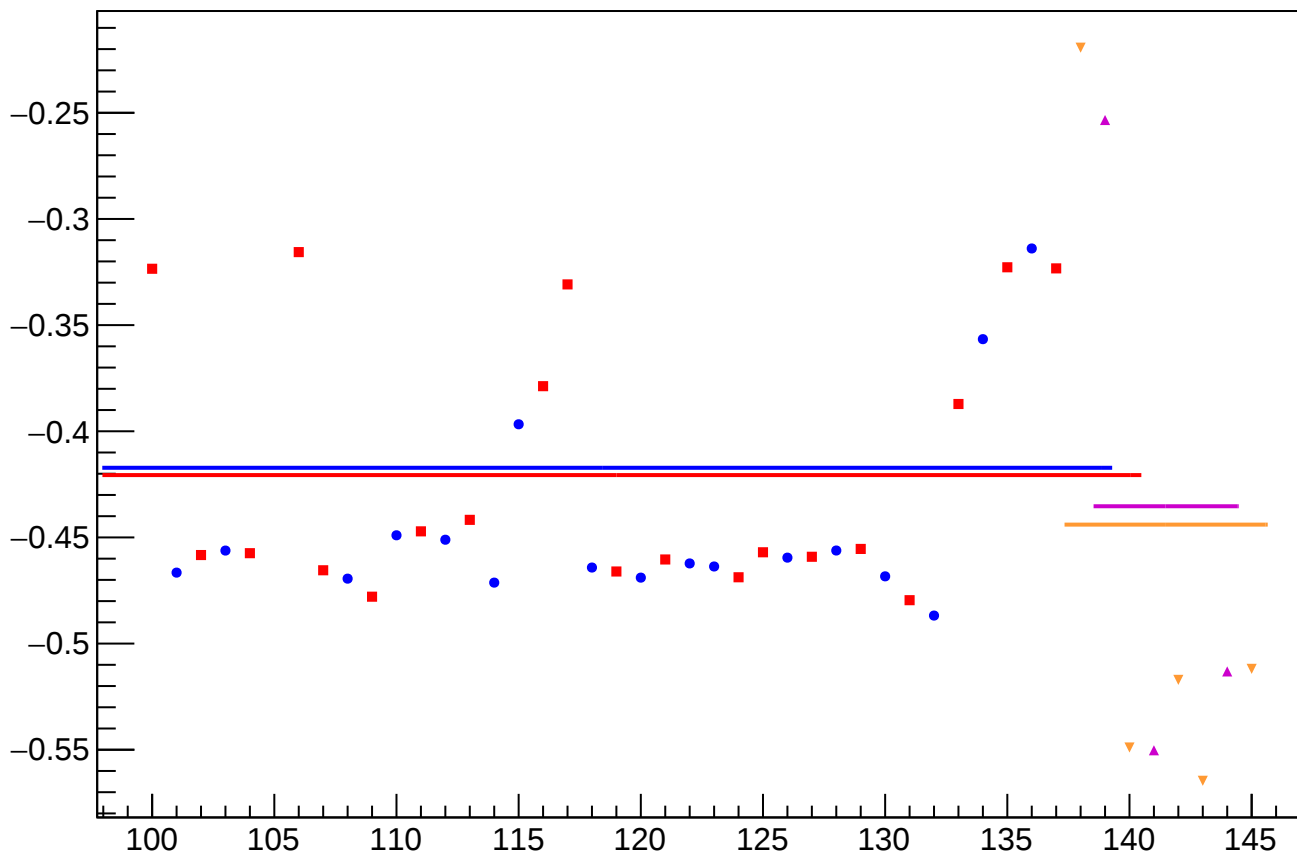
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 1915.2/2

0.012 $\pm$ 0.000 χ^2/NDF : 115076.8/21

0.011 $\pm$ 0.000 χ^2/NDF : 290894.5/44

0.011 $\pm$ 0.000 χ^2/NDF : 168881.4/22

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.444+/-0.000 χ^2/NDF : 4375193080.7/4

Right Out: -0.421+/-0.000 χ^2/NDF : 1652792044.5/19

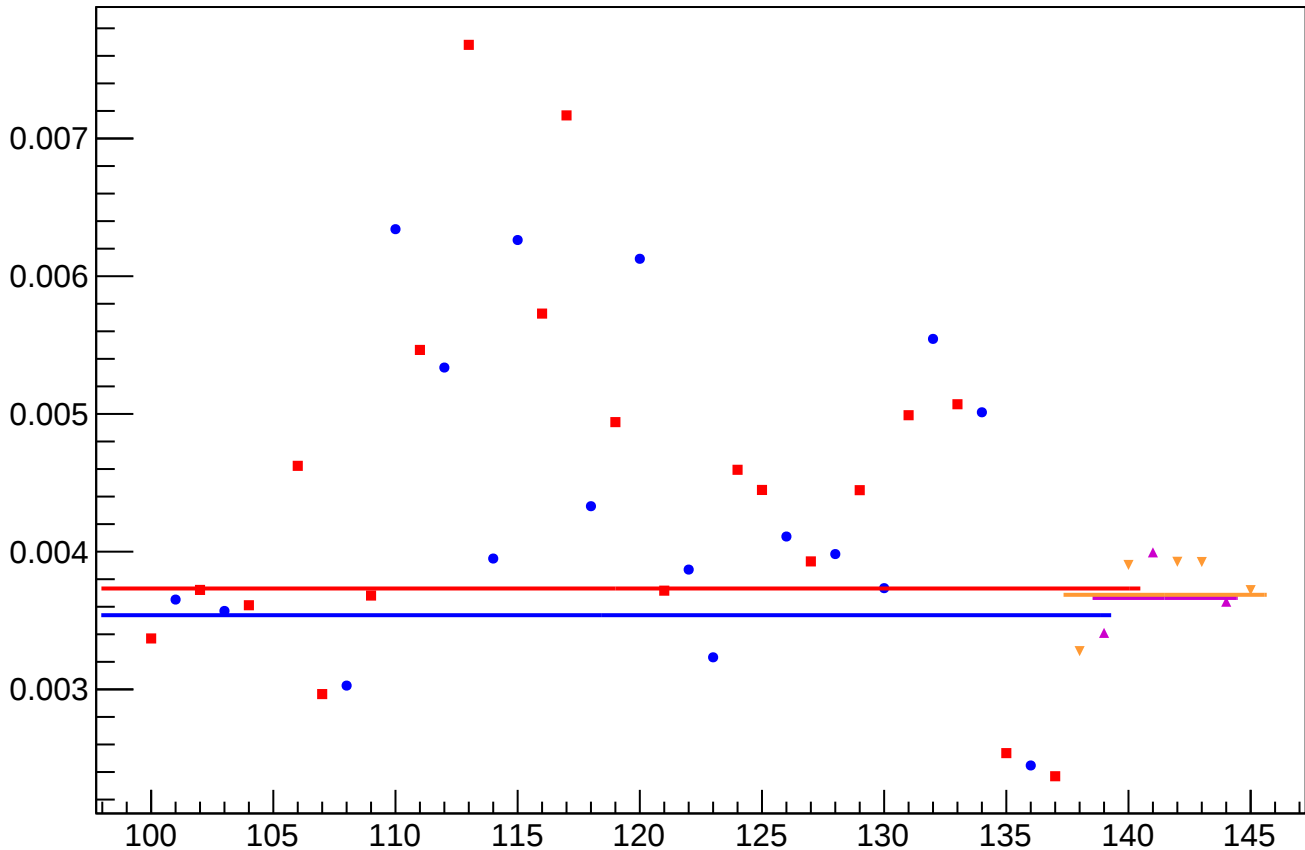
Left In: -0.435+/-0.000 χ^2/NDF : 2766014417.5/2

-0.426+/-0.000 χ^2/NDF : 6515886445.9/21

-0.425+/-0.000 χ^2/NDF : 10960134285.7/4

-0.425+/-0.000 χ^2/NDF : 4443745992.0/22

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

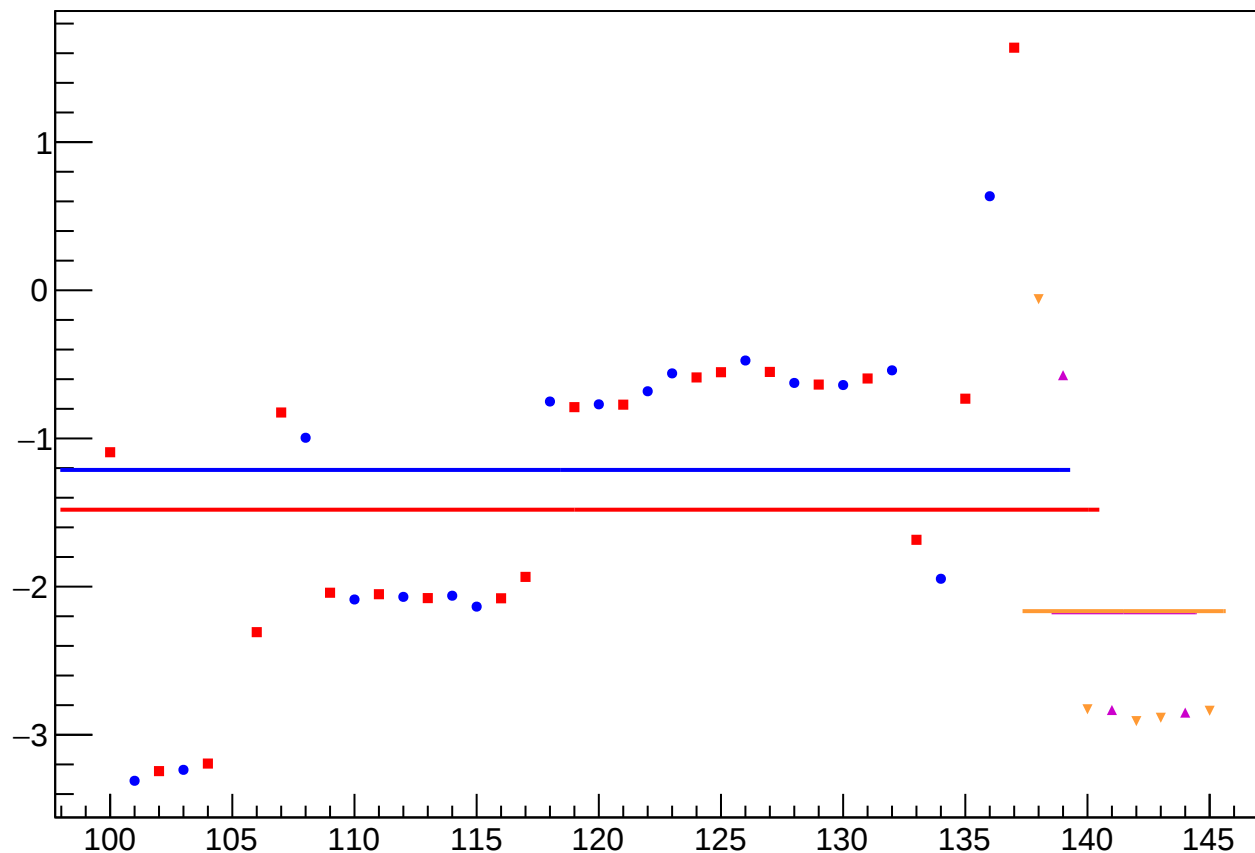
Left In: 0.004+/-0.000 χ^2/NDF : 17246.1/2

0.004+/-0.000 χ^2/NDF : 873458.1/21

0.004+/-0.000 χ^2/NDF : 1818591.4/44

0.004+/-0.000 χ^2/NDF : 935300.7/22

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

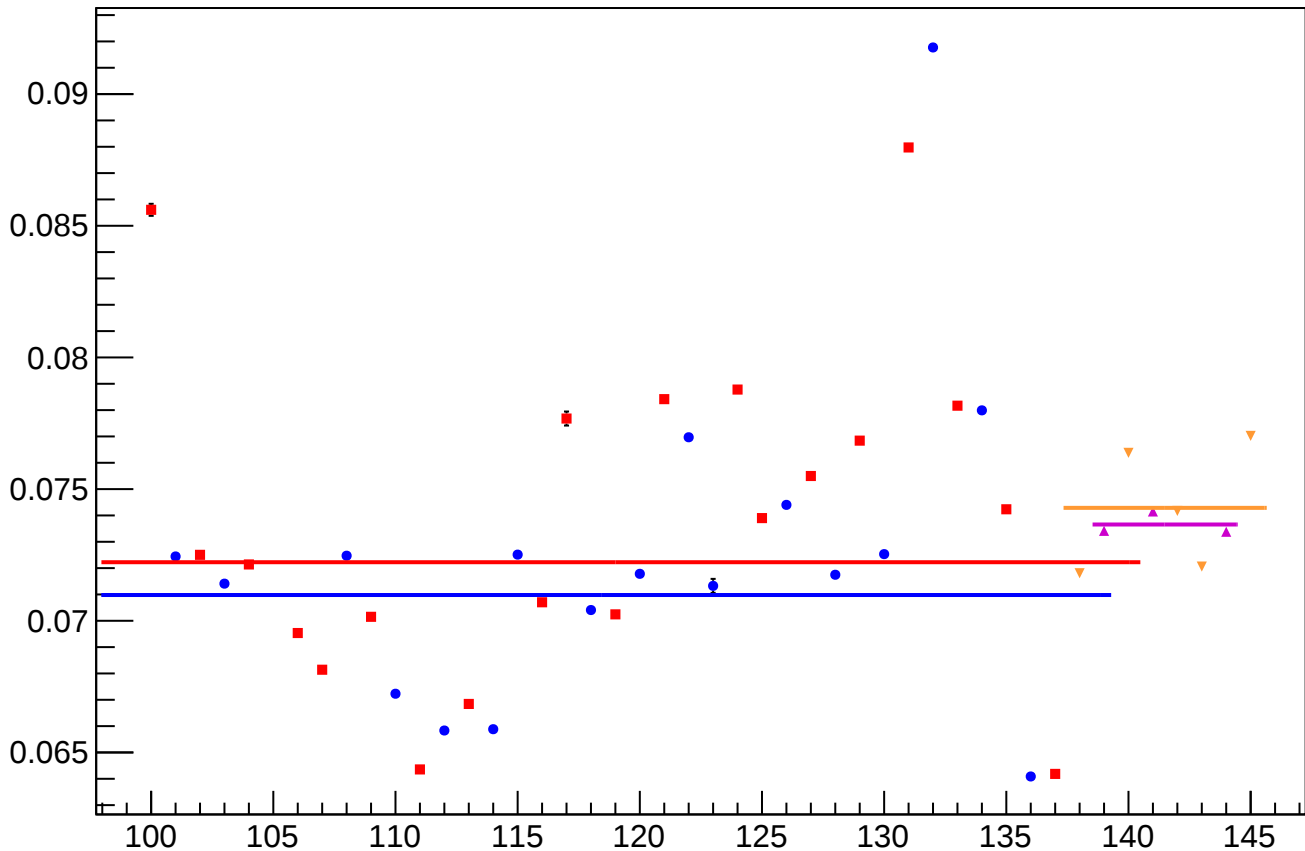
Left In: -2.173+/-0.000 χ^2/NDF : 456832960.1/2

-1.503+/-0.000 χ^2/NDF : 3191422346.7/21

-1.573+/-0.000 χ^2/NDF : 5402449508.7/4

-1.648+/-0.000 χ^2/NDF : 2191964146.5/22

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

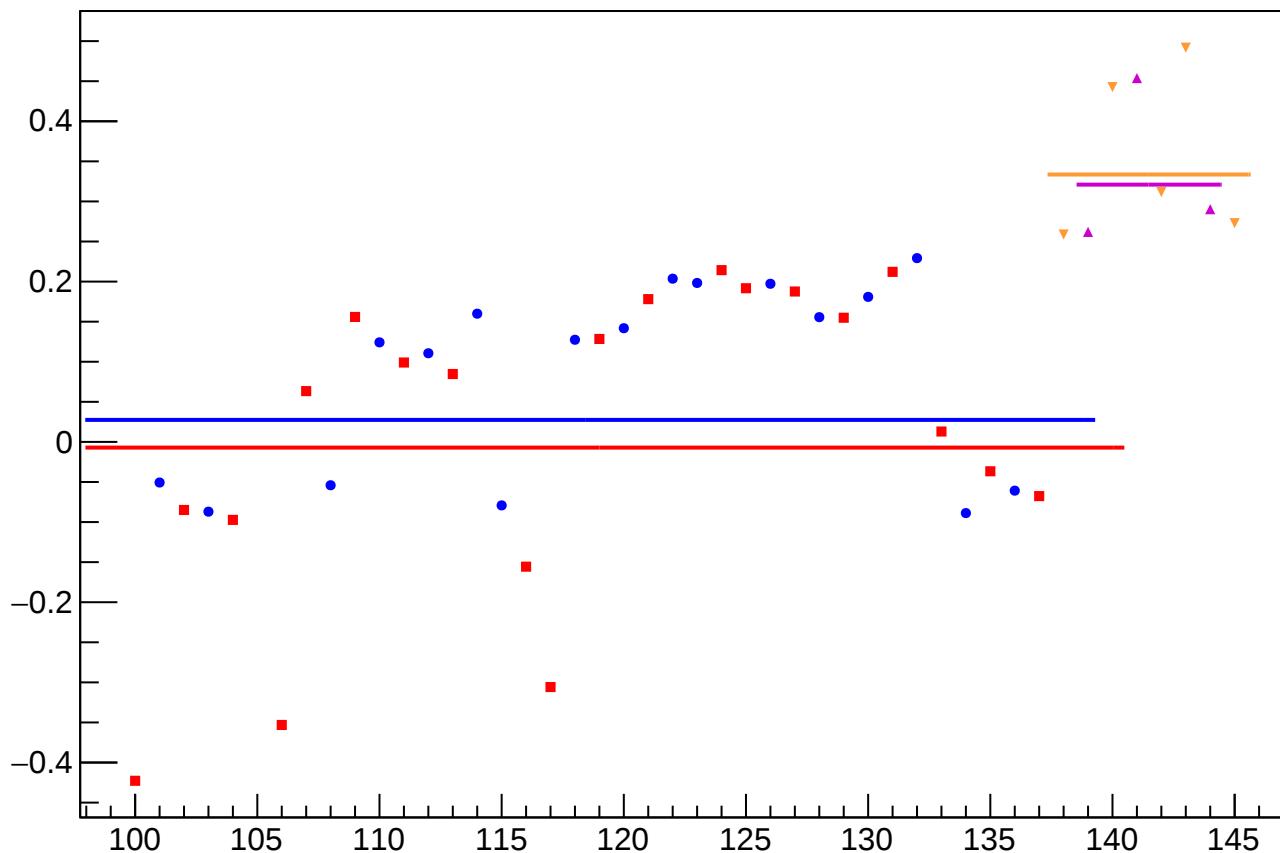
Left In: 0.074 $\pm$ 0.000 χ^2/NDF : 110.0/2

0.072 $\pm$ 0.000 χ^2/NDF : 92077.0/21

0.072 $\pm$ 0.000 χ^2/NDF : 167781.8/44

0.073 $\pm$ 0.000 χ^2/NDF : 75090.1/22

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 562337631.4/16

Left Out: 0.334 $\pm$ 0.000 χ^2 /NDF: 374699130.3/4

Right Out: -0.007 $\pm$ 0.000 χ^2 /NDF: 1207003891.2/19

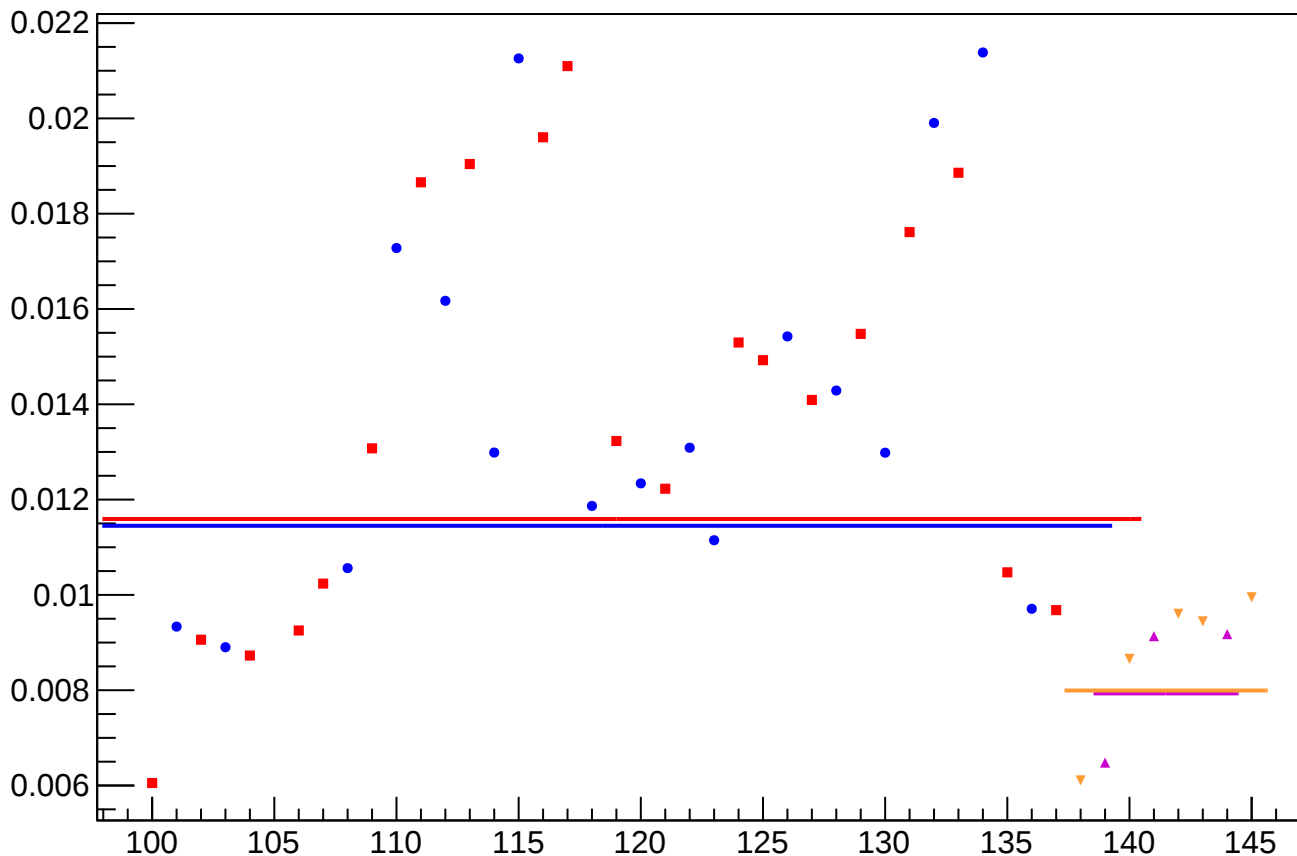
Left In: 0.321 $\pm$ 0.000 χ^2 /NDF: 219074770.1/2

0.180 $\pm$ 0.000 χ^2 /NDF: 2984939551.1/21

0.158 $\pm$ 0.000 χ^2 /NDF: 6549727950.7/44

0.134 $\pm$ 0.000 χ^2 /NDF: 3476485582.8/22

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 679628.0/16

Left Out: 0.008+/-0.000 χ^2/NDF : 234048.0/4

Right Out: 0.012+/-0.000 χ^2/NDF : 1012799.2/19

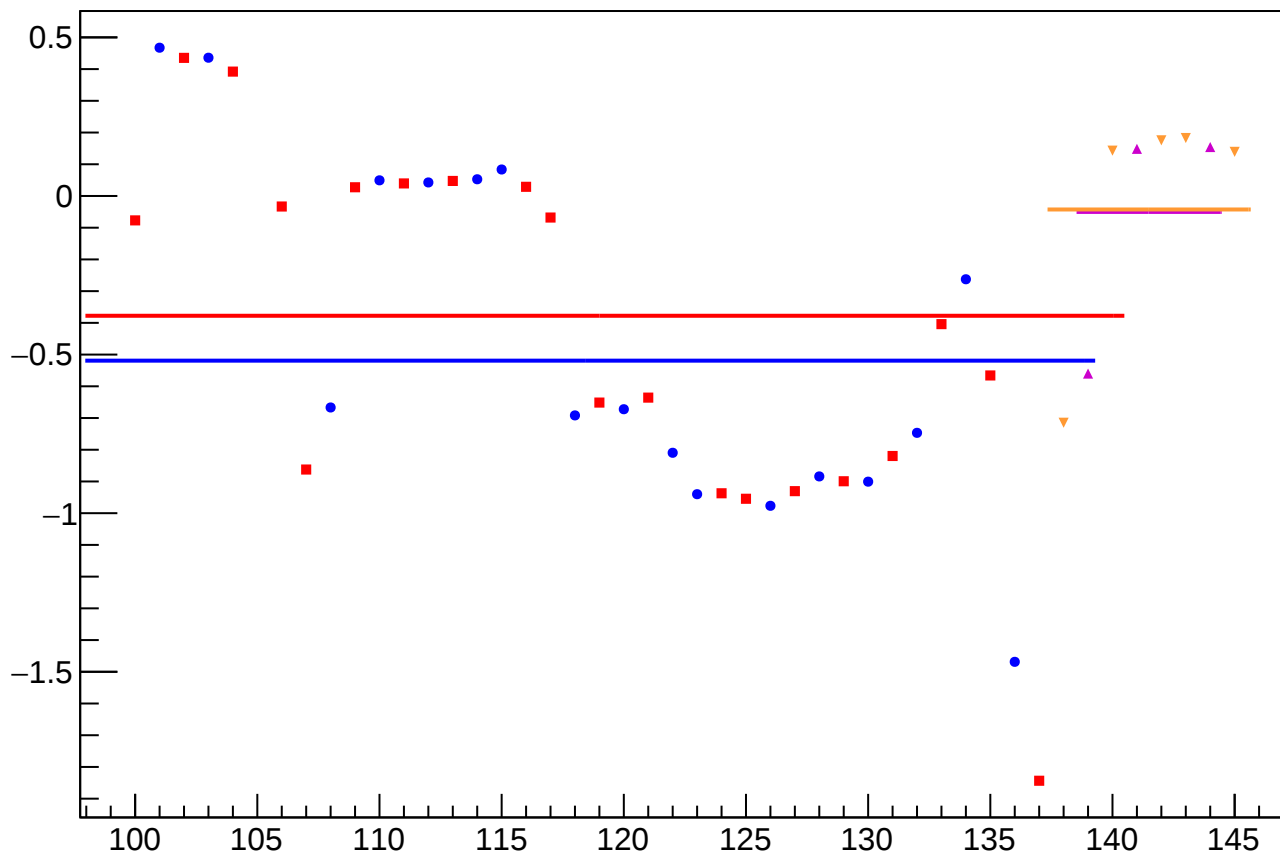
Left In: 0.008+/-0.000 χ^2/NDF : 118591.0/2

0.010+/-0.000 χ^2/NDF : 1435995.1/21

0.010+/-0.000 χ^2/NDF : 3085032.5/44

0.010+/-0.000 χ^2/NDF : 1641887.2/22

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.519 $\pm$ 0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.043 $\pm$ 0.000 χ^2/NDF : 60624335.3/4

Right Out: -0.378 $\pm$ 0.000 χ^2/NDF : 269130827.6/19

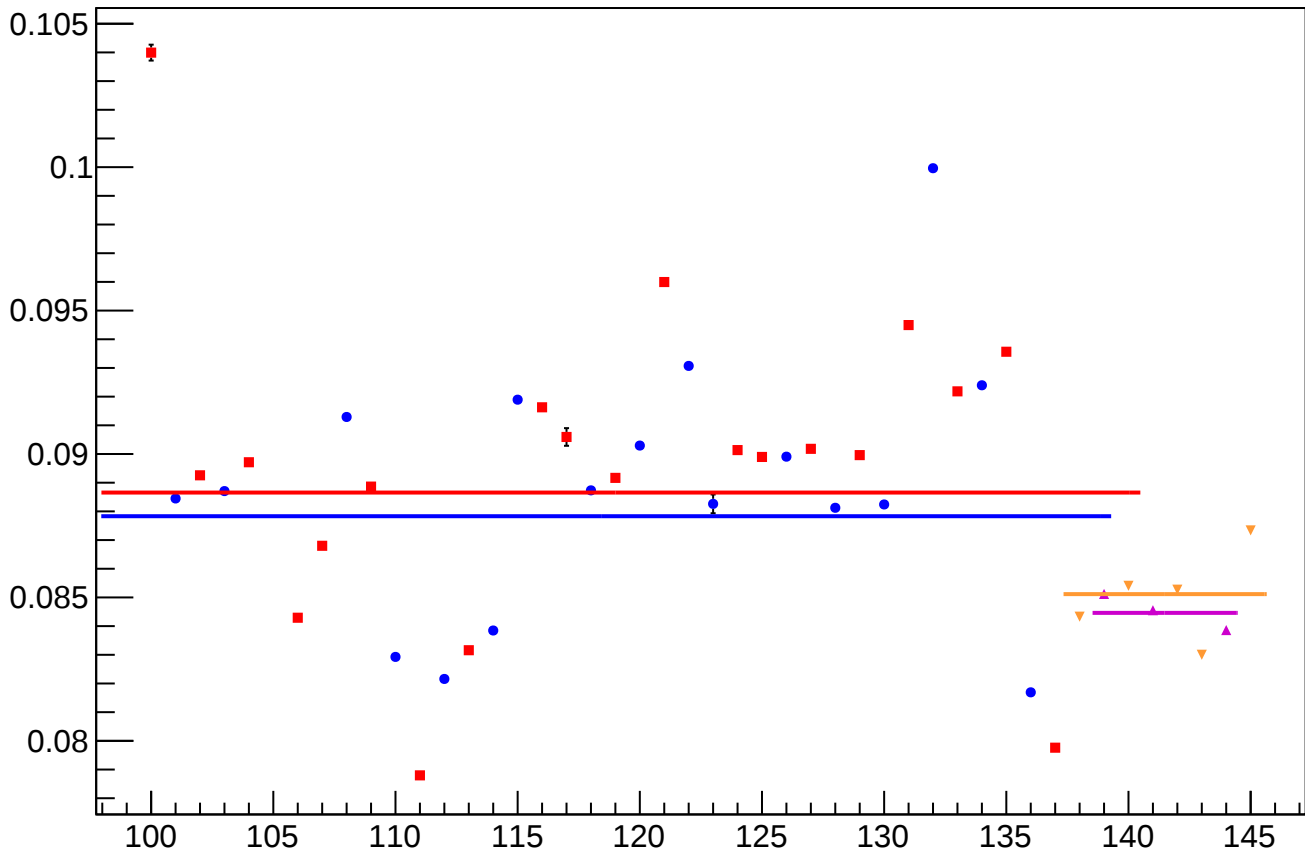
Left In: -0.050 $\pm$ 0.000 χ^2/NDF : 34029548.3/2

-0.356 $\pm$ 0.000 χ^2/NDF : 467374915.6/21

-0.324 $\pm$ 0.000 χ^2/NDF : 799301479.6/44

-0.290 $\pm$ 0.000 χ^2/NDF : 329158187.4/22

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.088+/-0.000 χ^2/NDF : 34954.4/16

Left Out: 0.085+/-0.000 χ^2/NDF :1874.4/4

Right Out: 0.089+/-0.000 χ^2/NDF : 39762.8/19

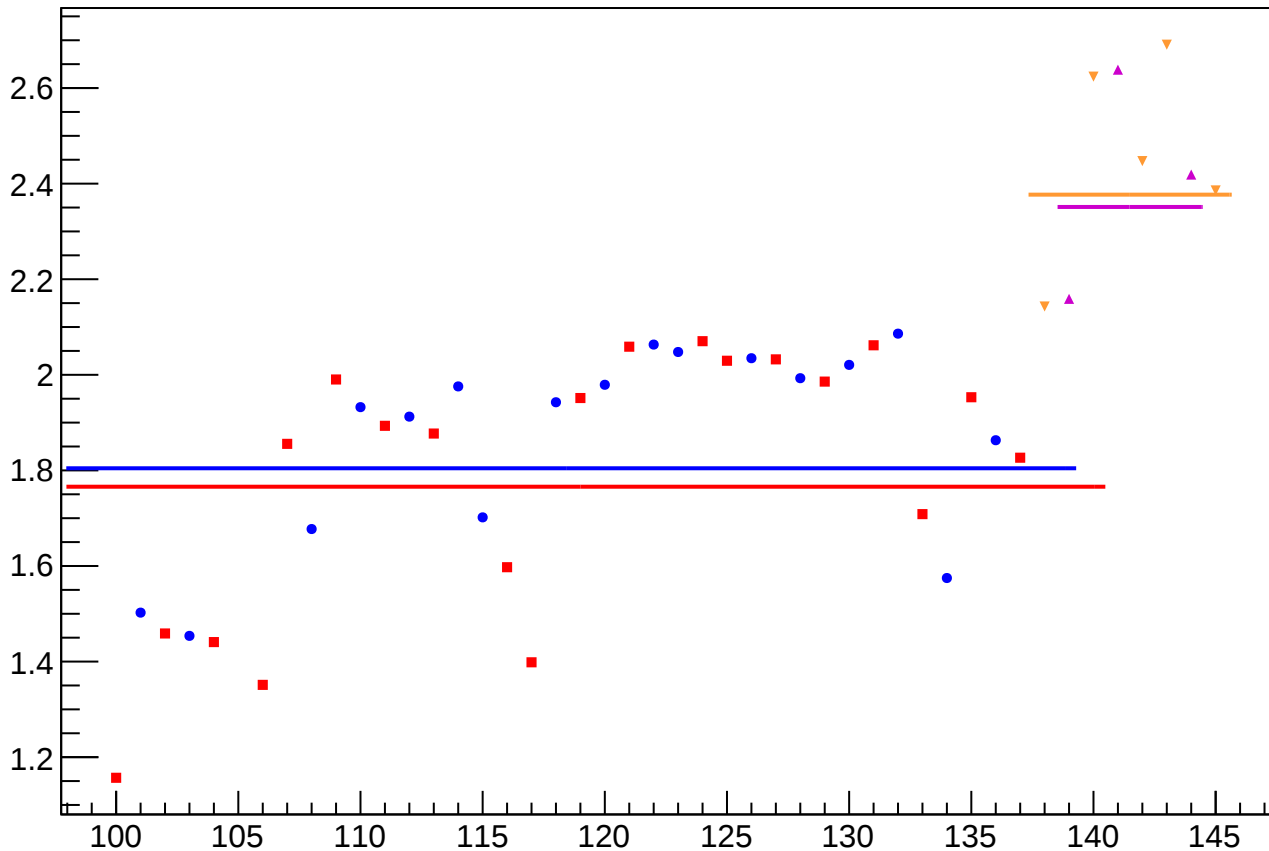
Left In: 0.084+/-0.000 χ^2/NDF :171.1/2

0.087+/-0.000 χ^2/NDF : 41204.9/21

0.087+/-0.000 χ^2/NDF : 90186.1/44

0.088+/-0.000 χ^2/NDF : 48467.7/22

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

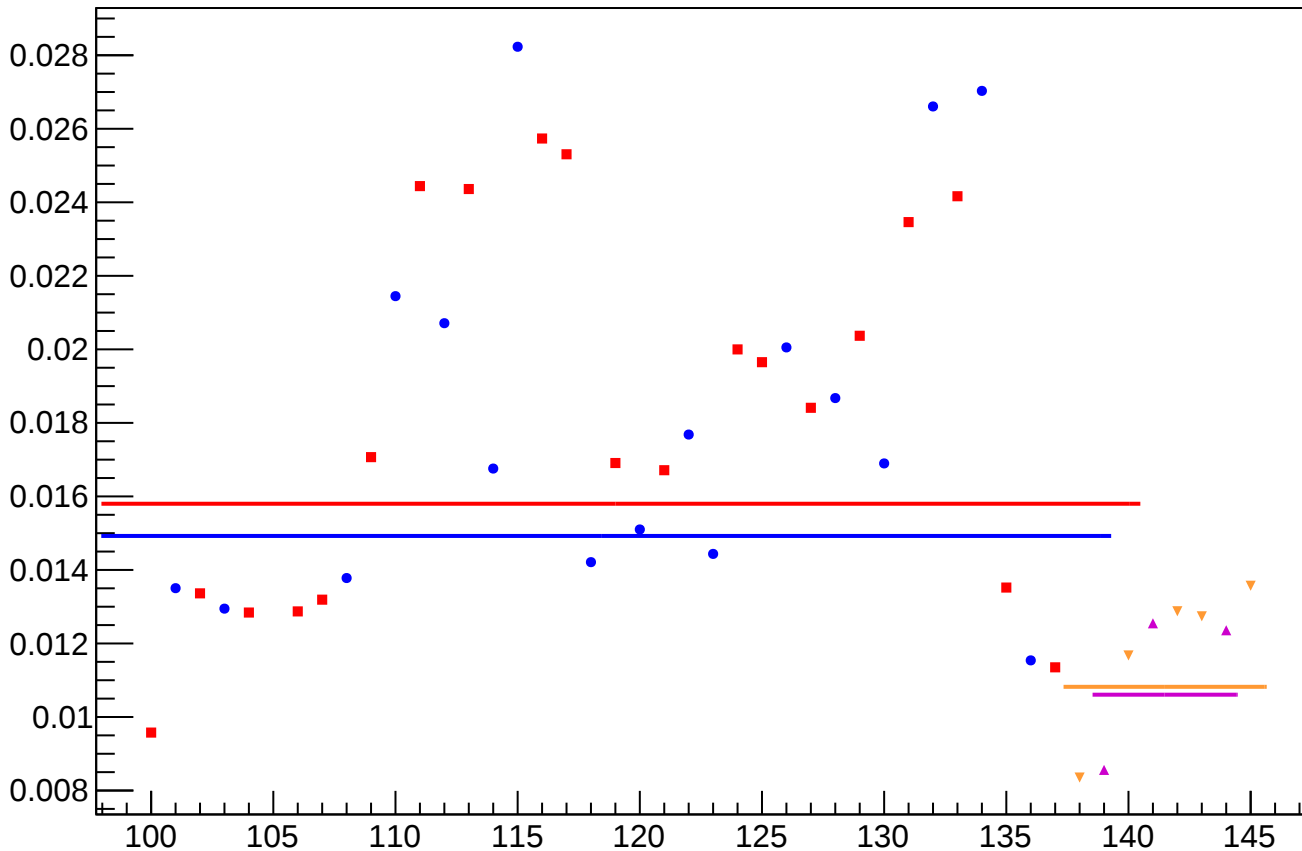
Left In: 2.351+/-0.000 χ^2/NDF : 742280695.7/2

2.081+/-0.000 χ^2/NDF : 6420149670.1/21

2.053+/-0.000 χ^2/NDF : 12588126411.7/4

2.021+/-0.000 χ^2/NDF : 6083183732.3/22

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.015 $\pm$ 0.000 χ^2/NDF : 643651.9/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 229113.6/4

Right Out: 0.016 $\pm$ 0.000 χ^2/NDF : 796839.8/19

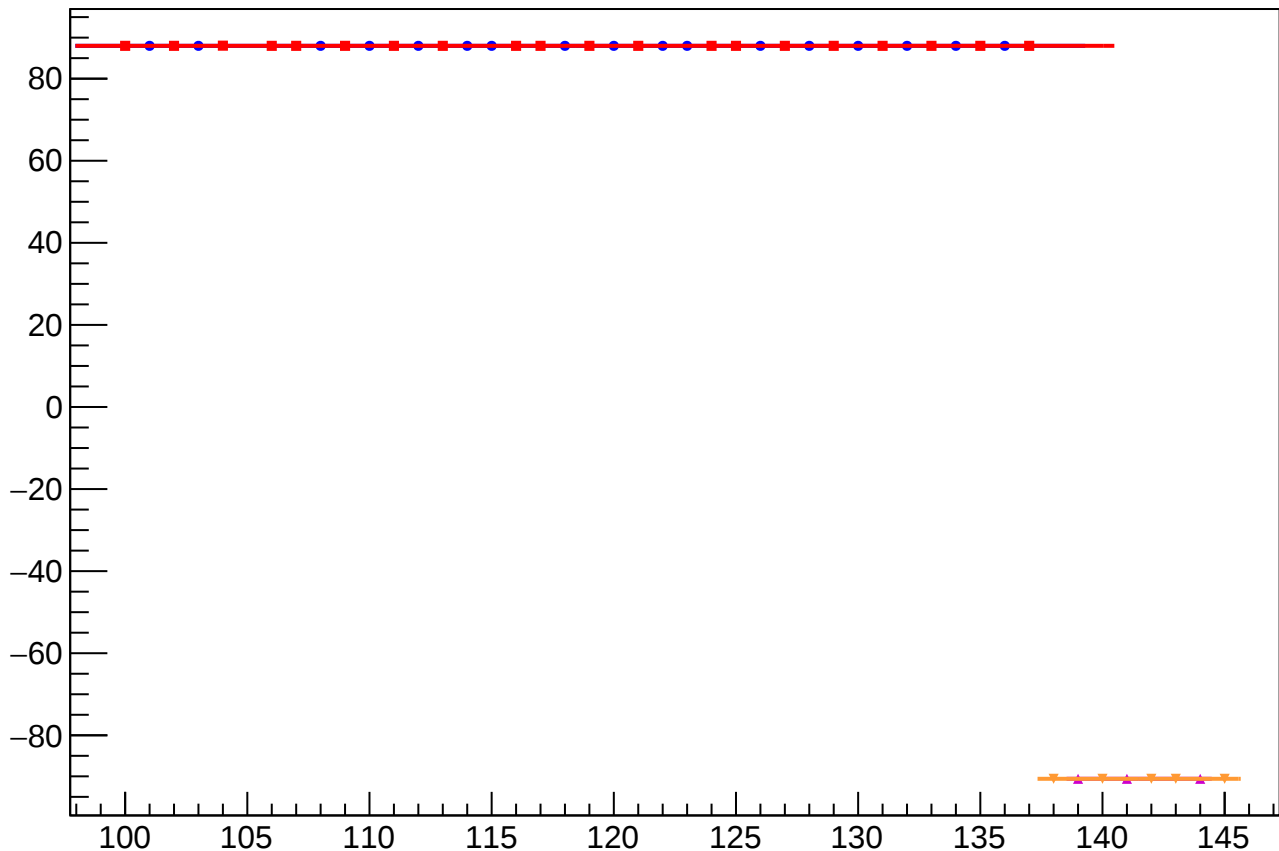
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 141427.2/2

0.013 $\pm$ 0.000 χ^2/NDF : 1293308.4/21

0.013 $\pm$ 0.000 χ^2/NDF : 2818816.6/44

0.014 $\pm$ 0.000 χ^2/NDF : 1508920.9/22

epics_VWienAngles_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF : 1852068.7/16

Left Out: -90.599+/-0.000 χ^2/NDF : 3045179.8/4

Right Out: 88.004+/-0.000 χ^2/NDF : 77578366411928007427611426816.0/19

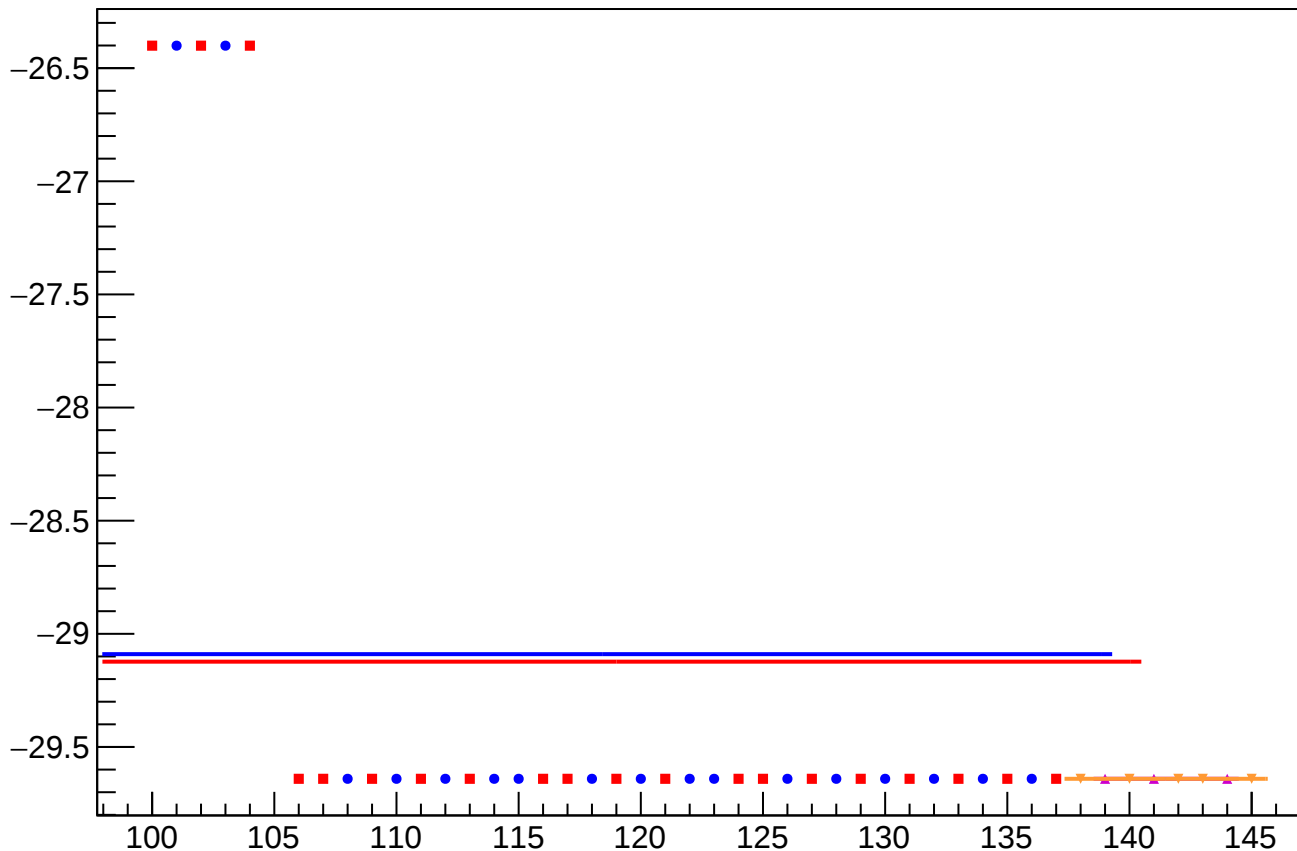
Left In: -90.599+/-0.000 χ^2/NDF : 785175.3/2

28.467+/-0.000 χ^2/NDF : 737906141333332832

35.577+/-0.000 χ^2/NDF : 1329579392893

43.215+/-0.000 χ^2/NDF : 580758868953050562

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

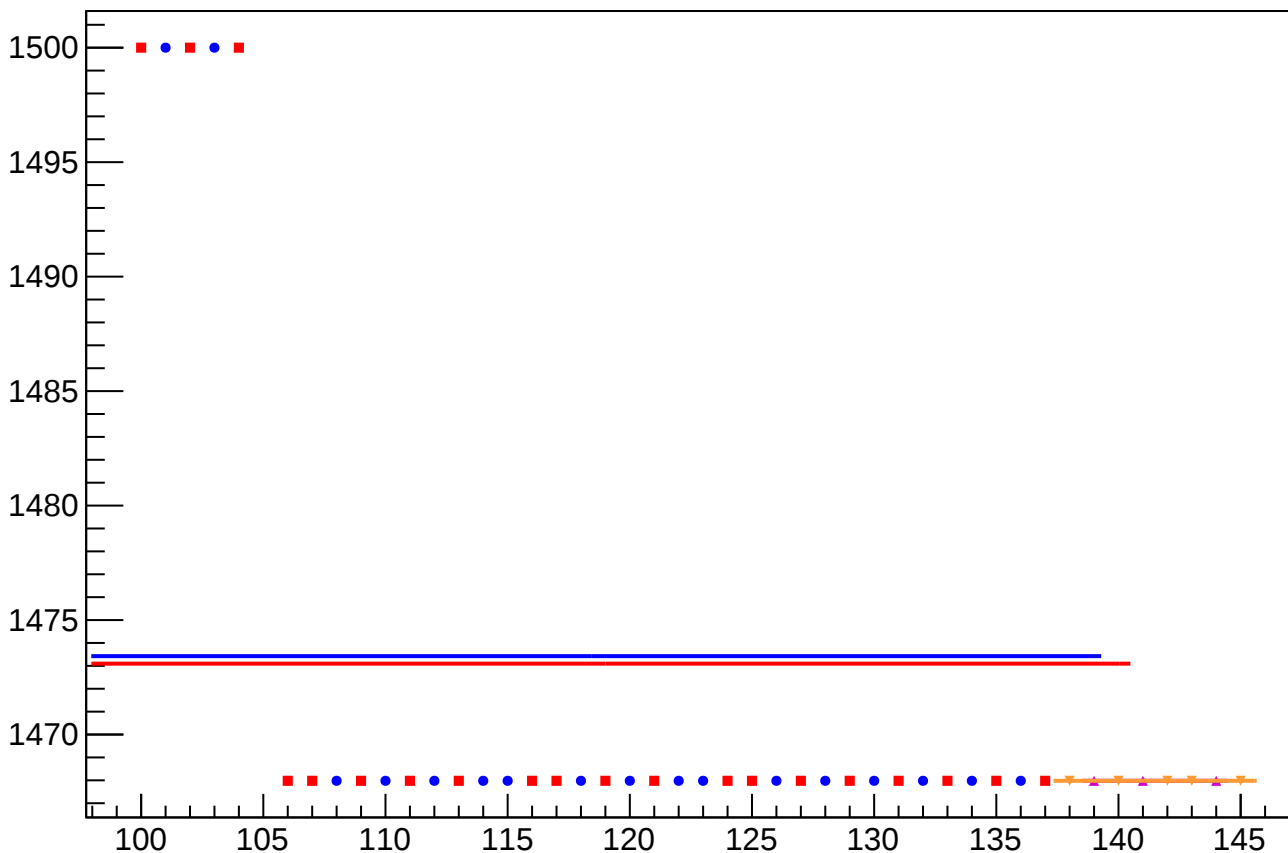
Left In: -29.641+/-0.000 χ^2/NDF : 17493.8/2

-29.273+/-0.000 χ^2/NDF : 10983050974063418

-29.264+/-0.000 χ^2/NDF : 217046497432

-29.253+/-0.000 χ^2/NDF : 10719468780185727

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

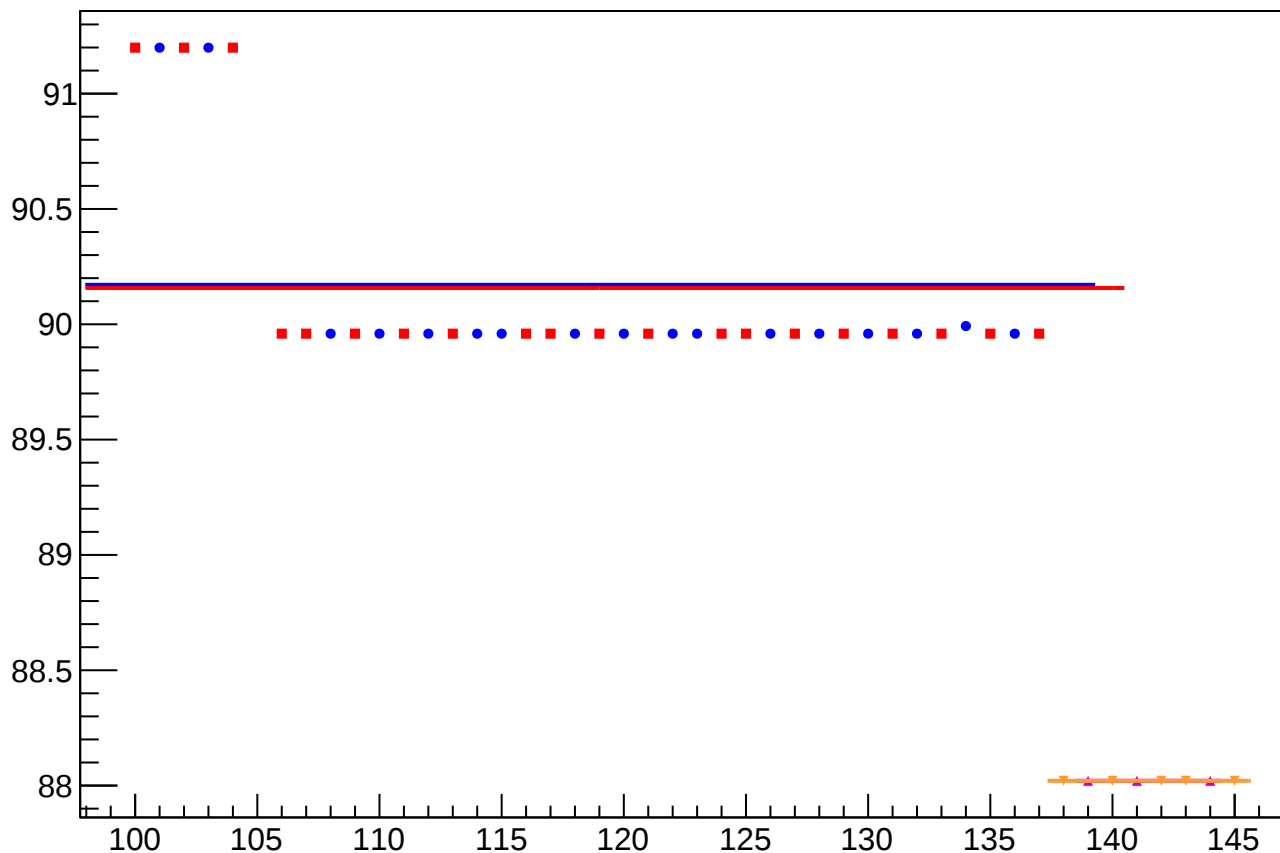
Left In: 1467.979+/-0.000 χ^2/NDF : 36447645.7/2

1471.609+/-0.000 χ^2/NDF : 1072787685757792

1471.707+/-0.000 χ^2/NDF : 21200375945

1471.813+/-0.000 χ^2/NDF : 1047041858624281

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

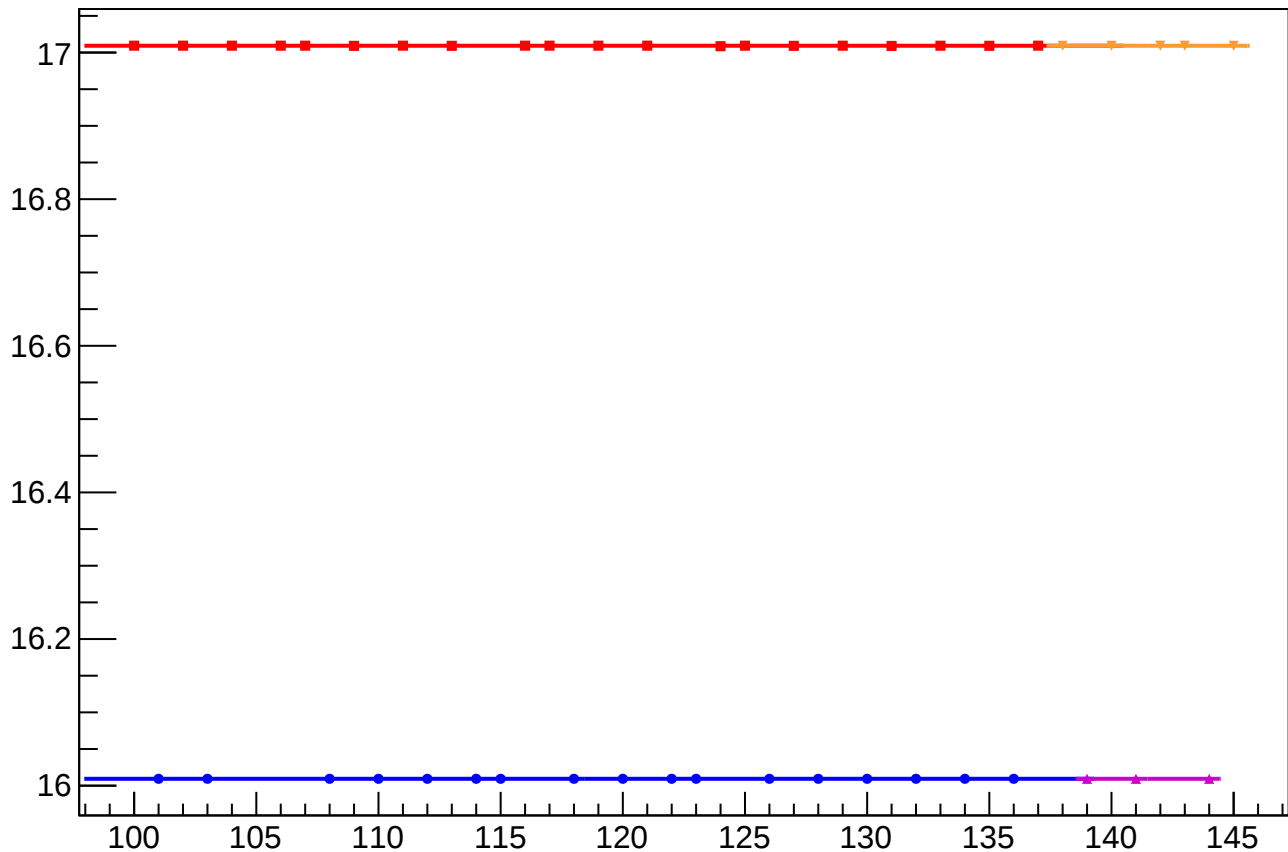
Left In: 88.021+/-0.000 χ^2/NDF : 790426.0/2

89.454+/-0.000 χ^2/NDF : 122008254794422996

89.535+/-0.000 χ^2/NDF : 2215203841534

89.622+/-0.000 χ^2/NDF : 981080286595543313

epics_IGL1I00DI24_24Ms_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF : 44327.7/16

Left Out: 17.009+/-0.000 χ^2/NDF : 972843141472531108593664.0/4

Right Out: 17.009+/-0.000 χ^2/NDF : 12548783366686740957888512.0/19

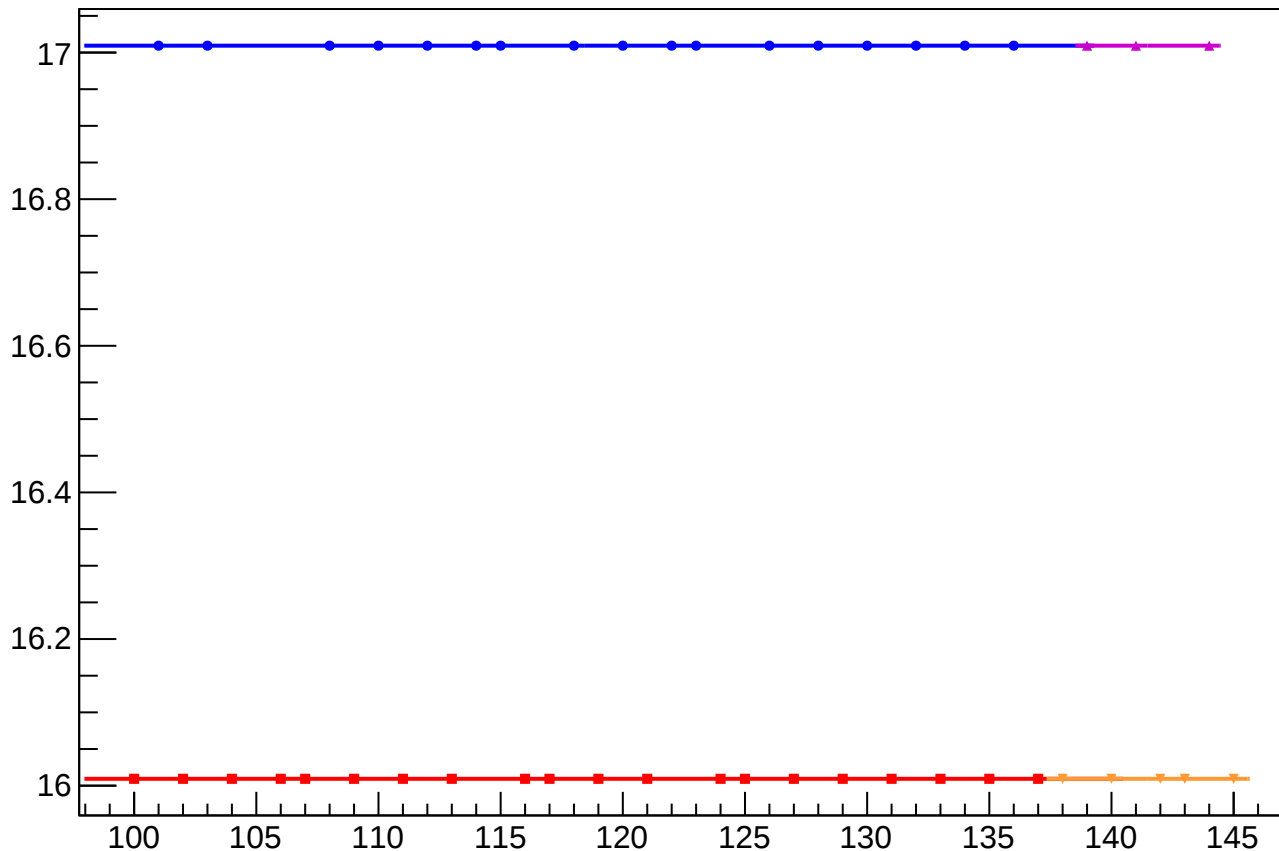
Left In: 16.009+/-0.000 χ^2/NDF : 14489.8/2

16.329+/-0.000 χ^2/NDF : 211537665452253893

16.530+/-0.000 χ^2/NDF : 4640849736935

16.751+/-0.000 χ^2/NDF : 169847597077444525

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

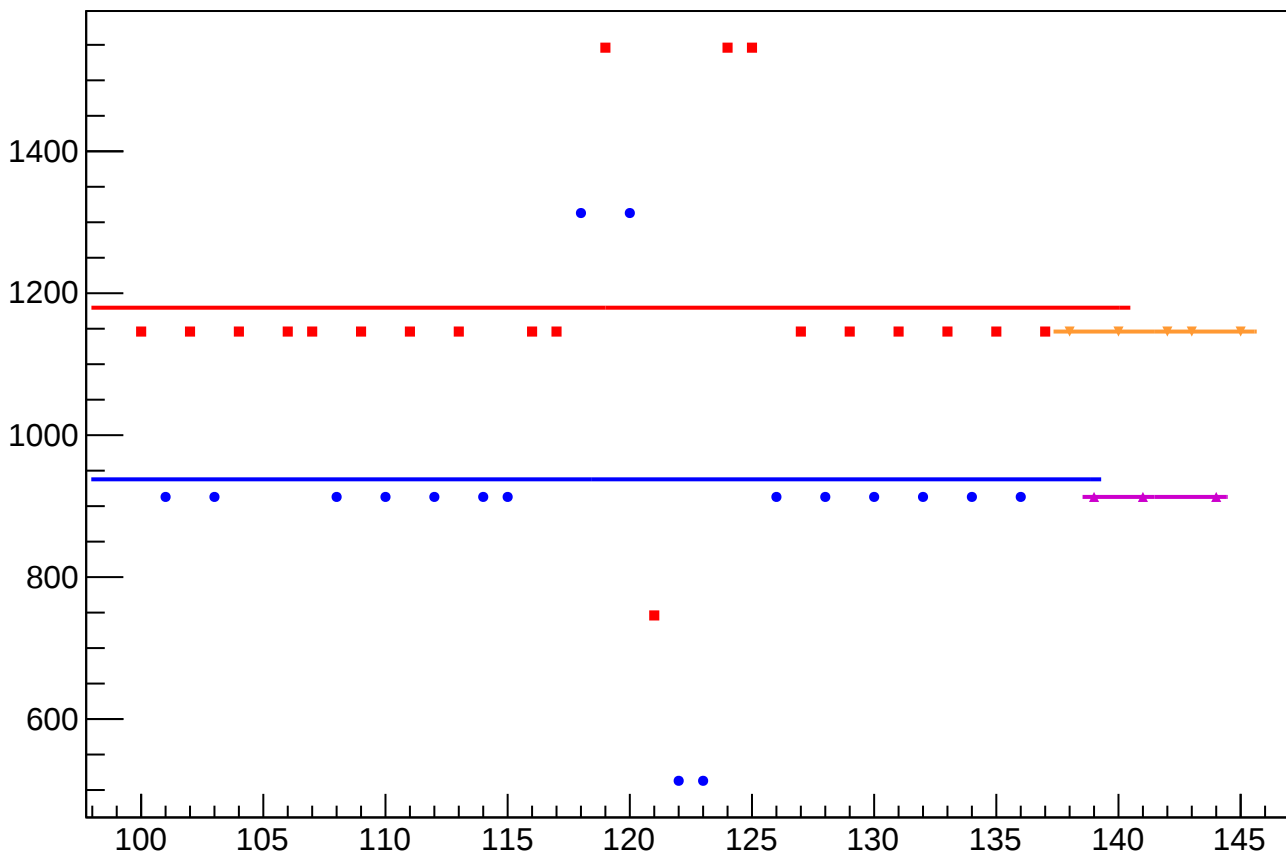
Left In: 17.009+/-0.000 χ^2/NDF : 9655.7/2

16.671+/-0.000 χ^2/NDF : 224193806193800837

16.470+/-0.000 χ^2/NDF : 4877687213448

16.262+/-0.000 χ^2/NDF : 181618503118487880

epics_RTPAPOSUCNTs_mean vs Slug, Sign Corrected



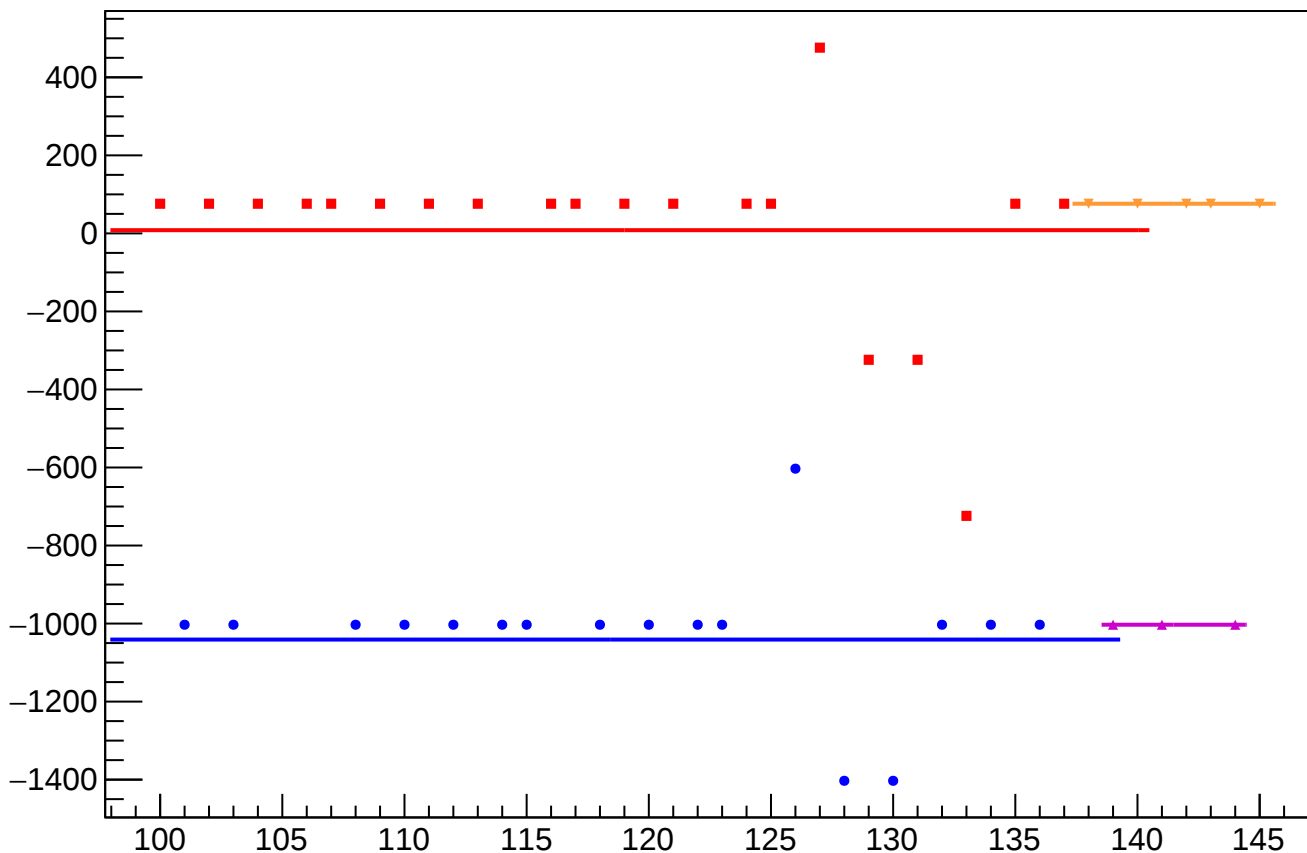
Right In: 937.779 $\pm$ 0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.011 $\pm$ 0.000 χ^2/NDF : 1470929714952090619519959040.0/4

Right Out: 1179.619 $\pm$ 0.000 χ^2/NDF : 21420659731738679306829480097874968576.0/19

Left In: 912.995 $\pm$ 0.000 χ^2/NDF : 7516412938646713667757801472.0/2

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 : 471718238644320208097902592.0/2