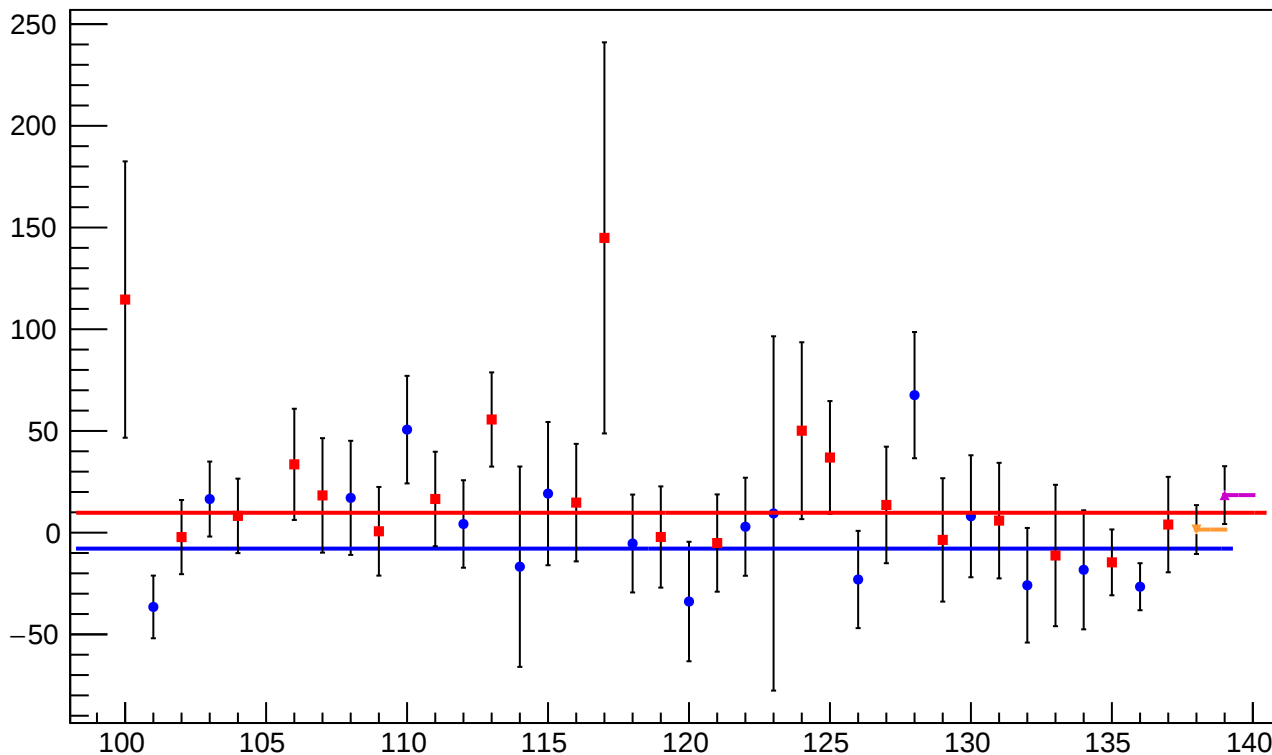


diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.841 ± 5.608

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

Left Out: 1.524 ± 12.020

$\chi^2/\text{NDF}: 0.0/0$

Right Out: 9.781 ± 5.667

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

Left In: 18.460 ± 14.223

$\chi^2/\text{NDF}: 0.0/0$

-6.167 ± 5.082

$\chi^2/\text{NDF}: 23.1/17$

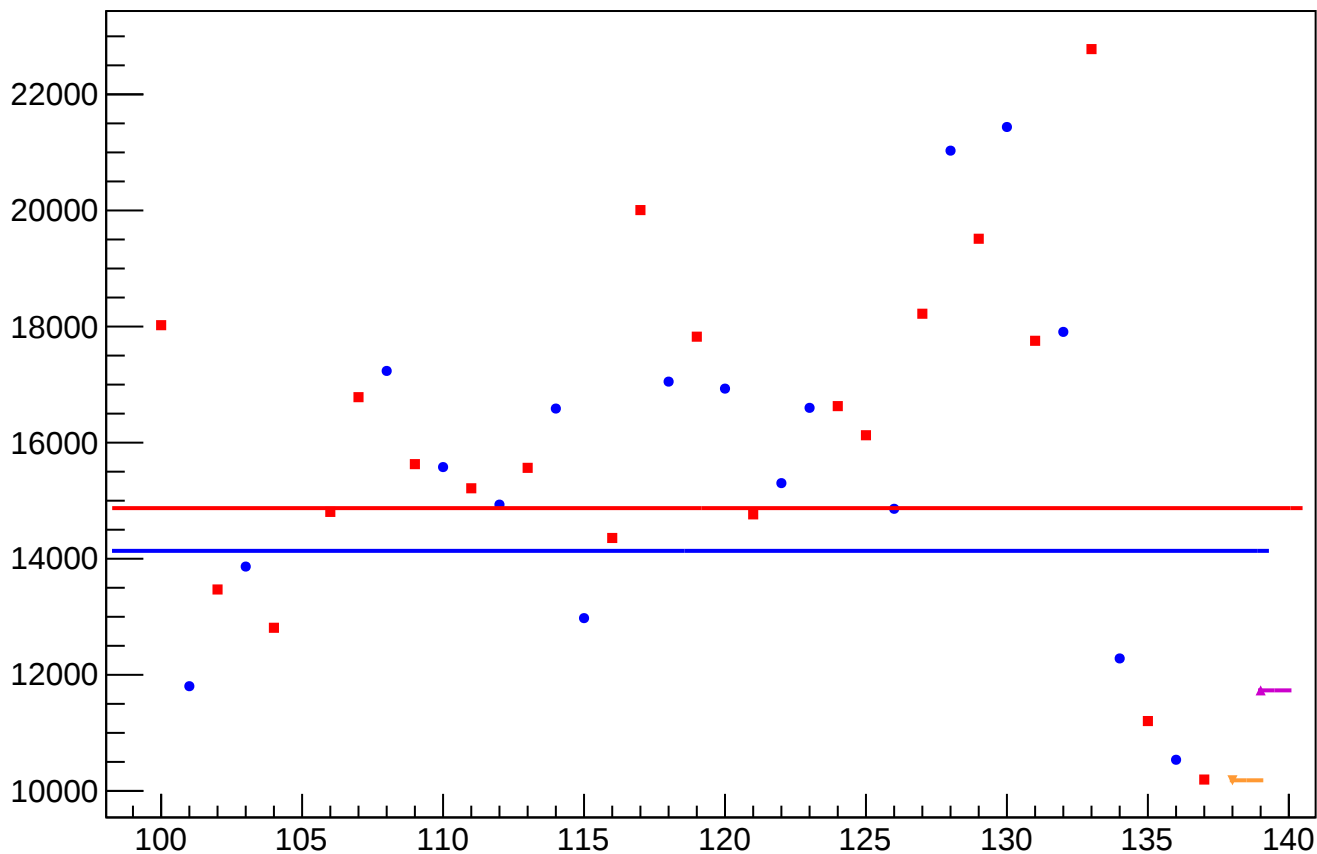
2.100 ± 3.657

$\chi^2/\text{NDF}: 44.2/38$

10.970 ± 5.265

$\chi^2/\text{NDF}: 15.5/20$

diff_bpm4aX_rms vs Slug, Sign Corrected



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

Left Out: 10182.951+/-8.499 χ^2/NDF : 0.0/0

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

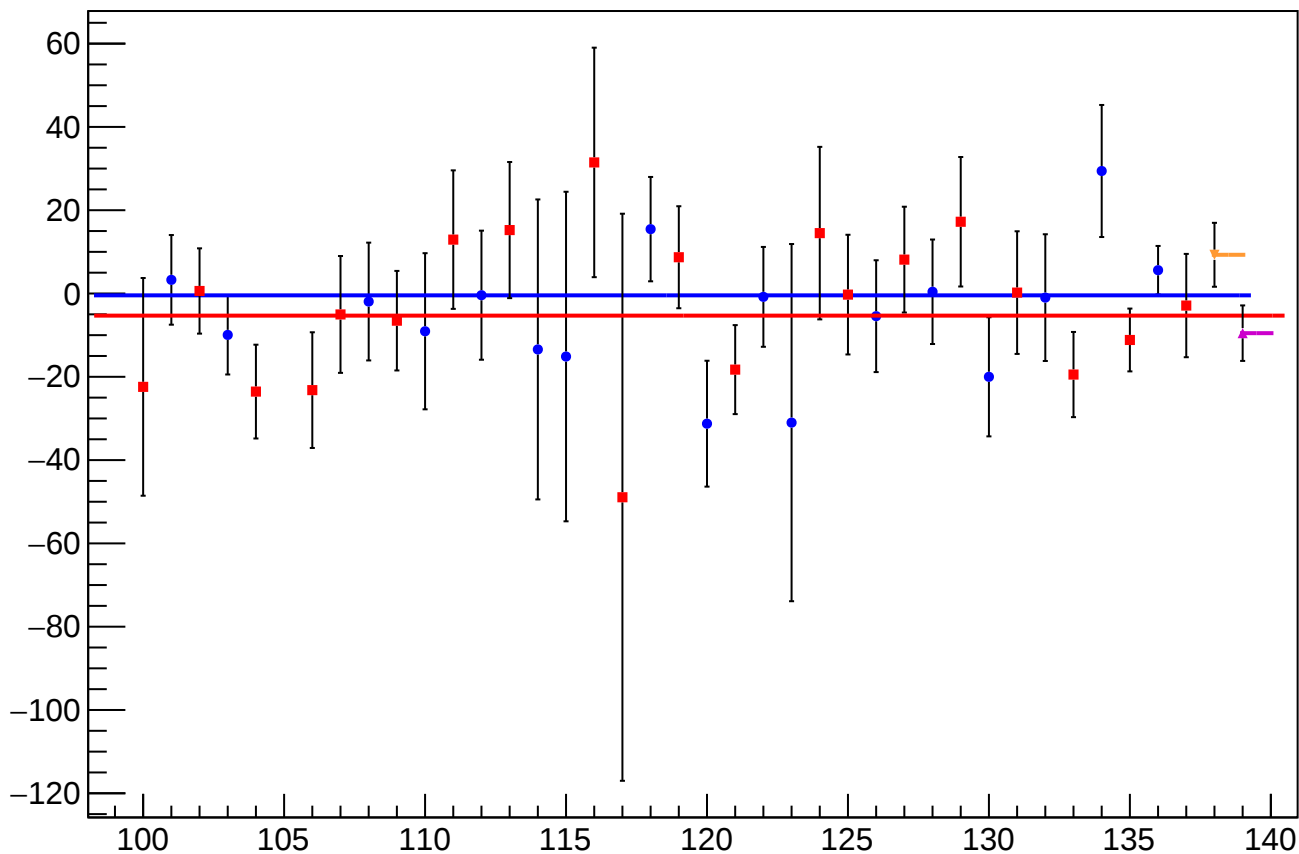
Left In: 11732.338+/-10.057 χ^2/NDF : 0.0/0

13429.115+/-3.594 χ^2/NDF : 774803.2/17

13917.583+/-2.586 χ^2/NDF : 1374948.0/3

14441.748+/-3.723 χ^2/NDF : 561845.3/20

diff_bpm4aY_mean vs Slug, Sign Corrected



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

Left Out: 9.297+/-7.674 χ^2/NDF : 0.0/0

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

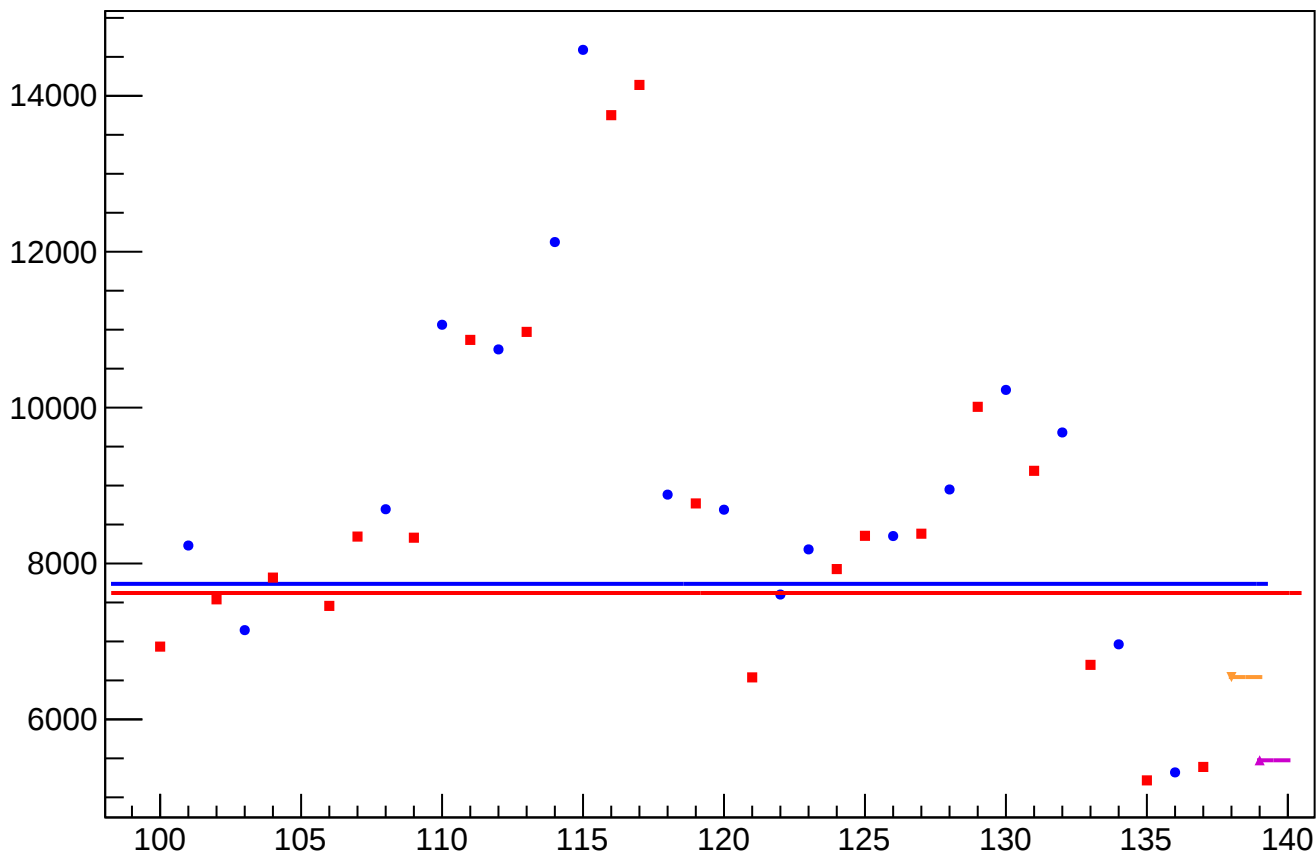
Left In: -9.521+/-6.662 χ^2/NDF : 0.0/0

0.903+/-2.851 χ^2/NDF : 15.9/17

-2.753+/-1.954 χ^2/NDF : 39.1/38

-5.994+/-2.684 χ^2/NDF : 20.1/20

diff_bpm4aY_rms vs Slug, Sign Corrected



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

Left Out: 6543.070 $\pm$ 5.427 χ^2 /NDF: 0.0/0

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

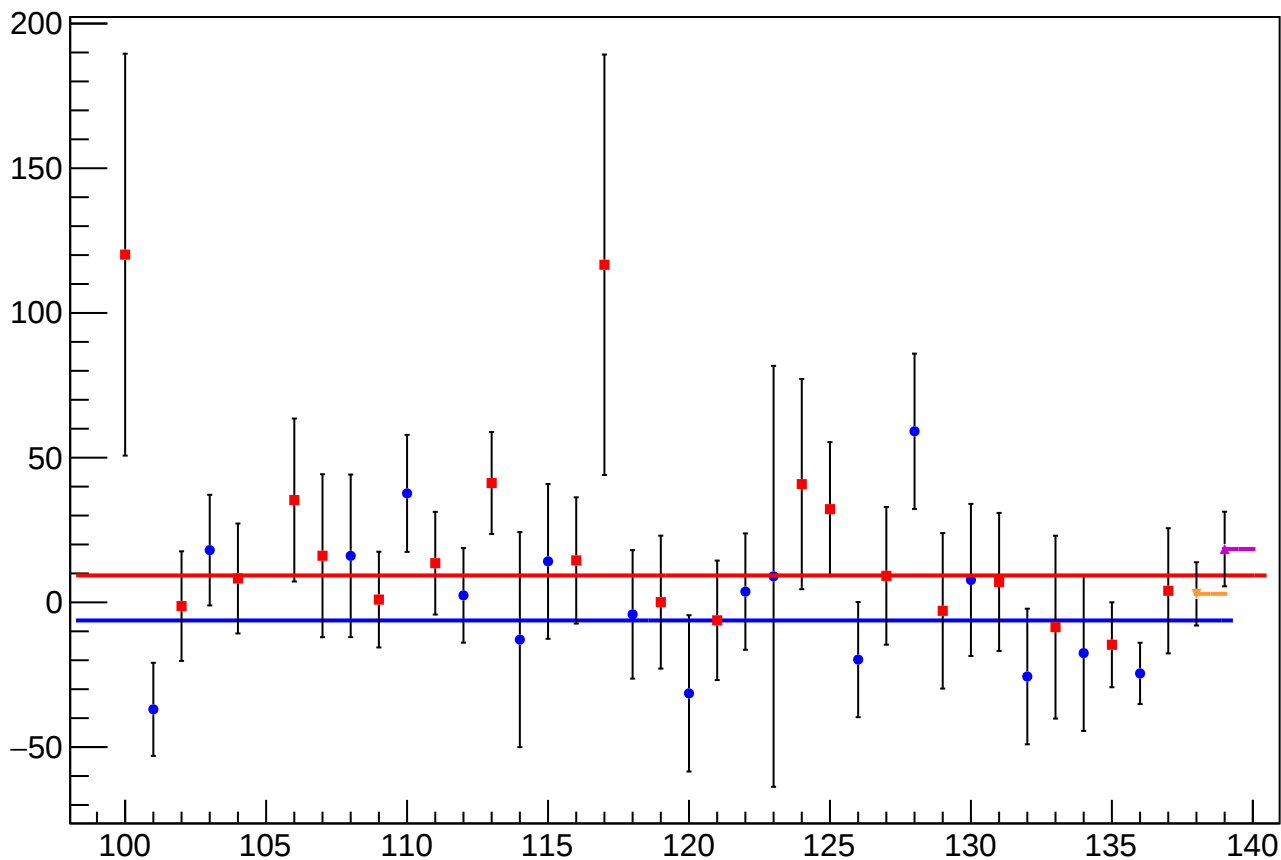
Left In: 5475.283 $\pm$ 4.710 χ^2 /NDF: 0.0/0

7573.821 $\pm$ 2.016 χ^2 /NDF: 782694.7/17

7414.412 $\pm$ 1.382 χ^2 /NDF: 1665951.1/38

7273.111 $\pm$ 1.898 χ^2 /NDF: 871463.3/20

diff_bpm4eX_mean vs Slug, Sign Corrected



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

Left Out: 2.936 ± 10.924 χ^2/NDF : 0.0/0

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

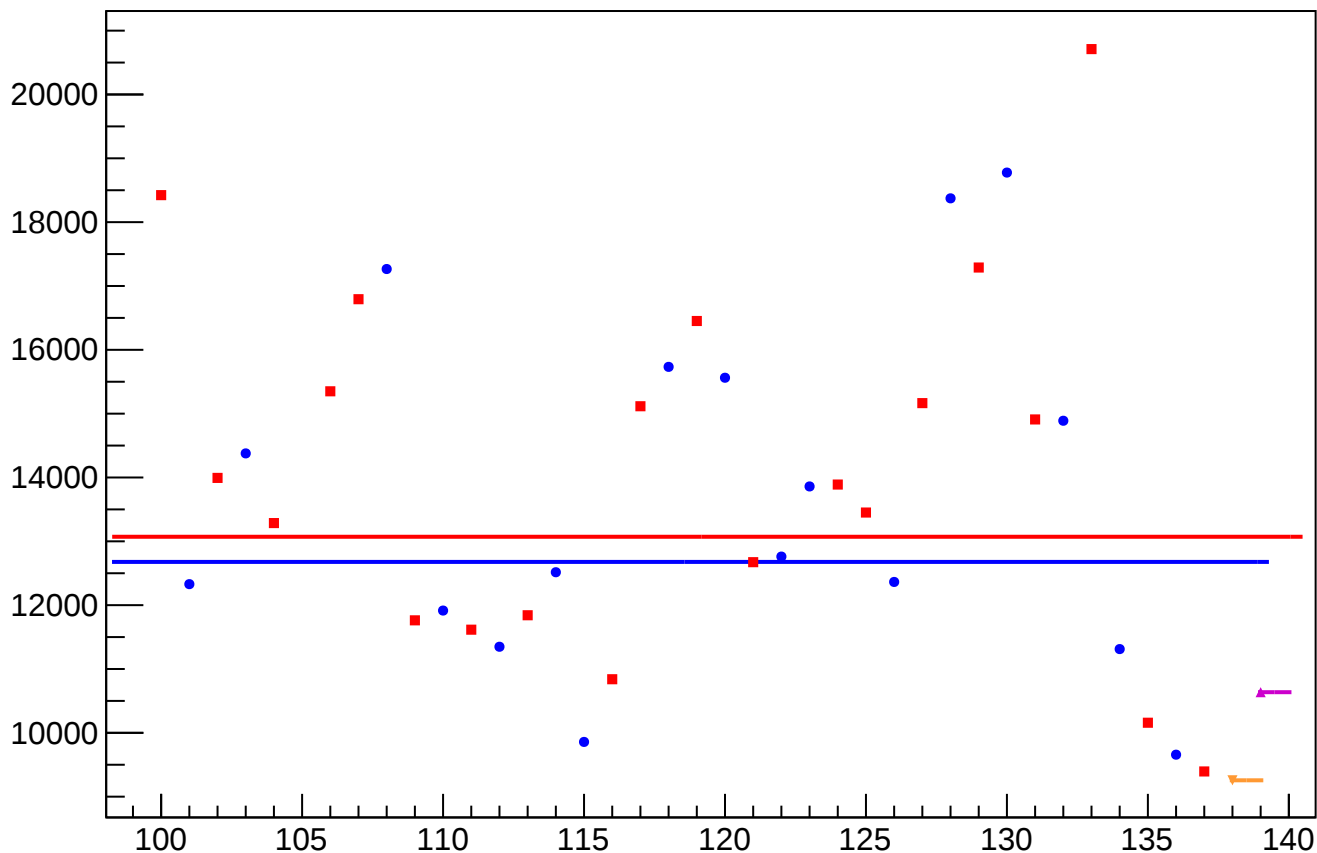
Left In: 18.436 ± 12.894 χ^2/NDF : 0.0/0

-4.645 ± 4.559 χ^2/NDF : 23.8/17

2.775 ± 3.256 χ^2/NDF : 45.0/38

10.498 ± 4.652 χ^2/NDF : 15.8/20

diff_bpm4eX_rms vs Slug, Sign Corrected



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

Left Out: 9256.228+/-7.724 χ^2/NDF : 0.0/0

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

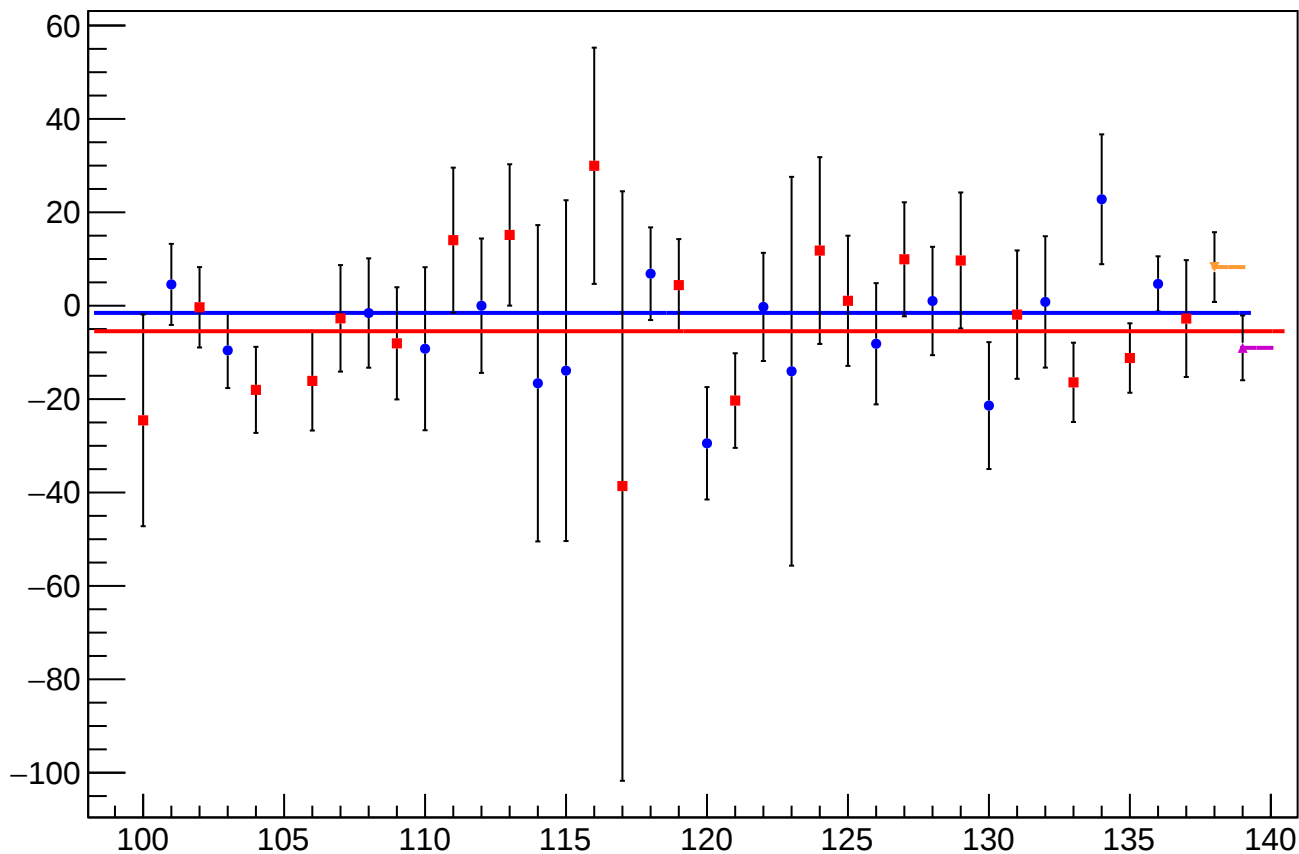
Left In: 10636.645+/-9.118 χ^2/NDF : 0.0/0

12081.473+/-3.224 χ^2/NDF : 715617.9/17

12411.319+/-2.302 χ^2/NDF : 1298036.1/3

12754.646+/-3.289 χ^2/NDF : 561055.7/20

diff_bpm4eY_mean vs Slug, Sign Corrected



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

Left Out: 8.274+/-7.472 χ^2/NDF : 0.0/0

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

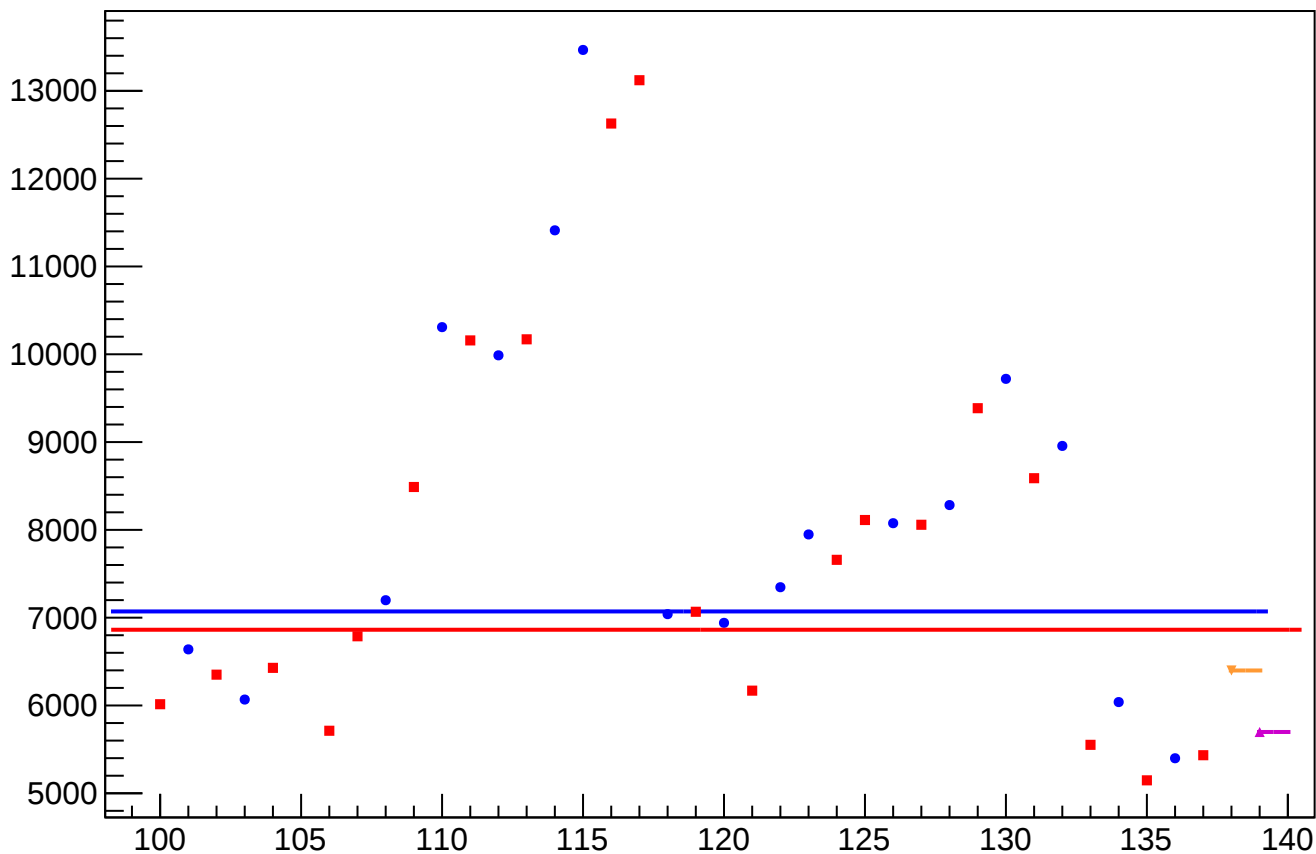
Left In: -9.018+/-6.940 χ^2/NDF : 0.0/0

-0.337+/-2.614 χ^2/NDF : 16.4/17

-3.287+/-1.794 χ^2/NDF : 37.8/38

-5.911+/-2.465 χ^2/NDF : 19.1/20

diff_bpm4eY_rms vs Slug, Sign Corrected



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

Left Out: 6398.606+/-5.283 χ^2/NDF : 0.0/0

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

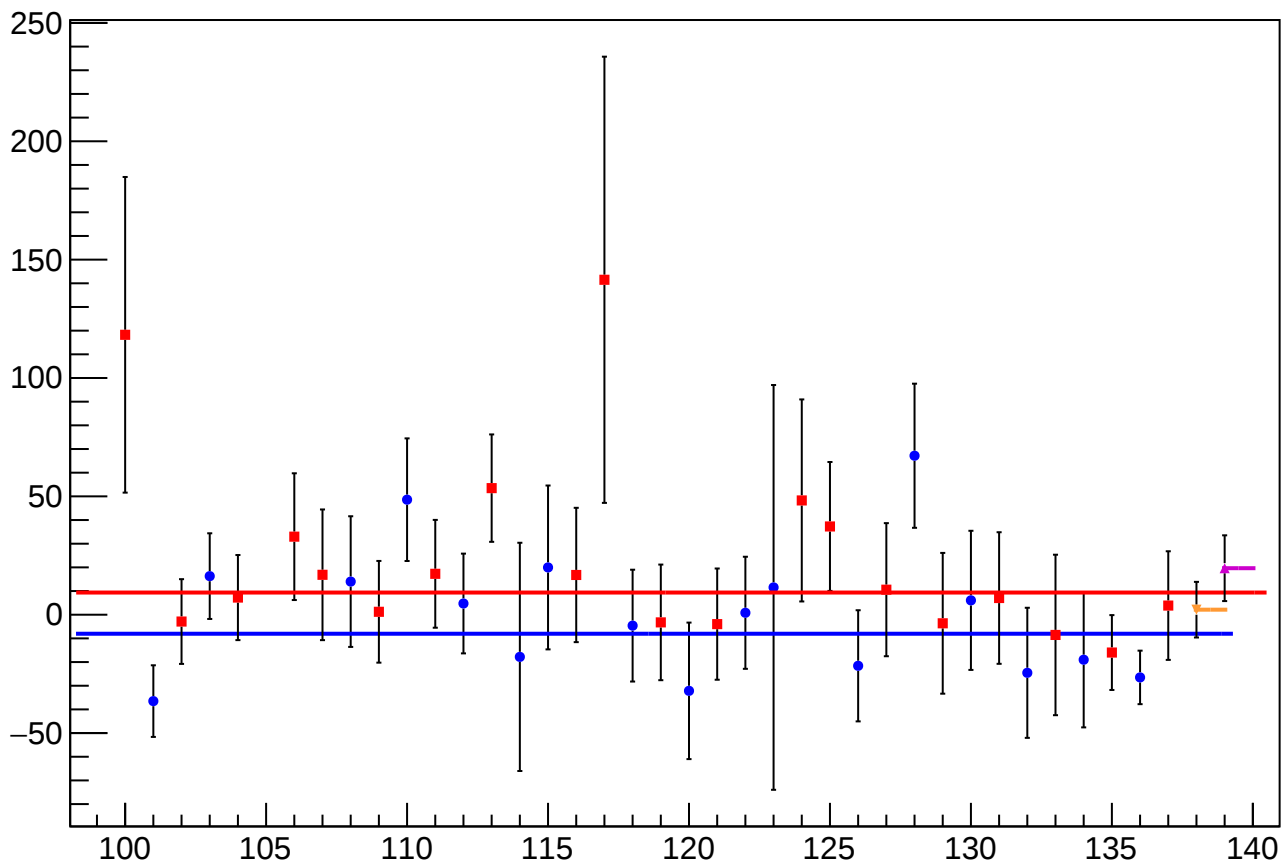
Left In: 5698.124+/-4.907 χ^2/NDF : 0.0/0

6988.735+/-1.848 χ^2/NDF : 614964.9/17

6844.187+/-1.268 χ^2/NDF : 1379816.2/38

6715.617+/-1.743 χ^2/NDF : 753296.3/20

diff_bpm4acX_mean vs Slug, Sign Corrected



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

Left Out: 2.128 $\pm$ 11.749 χ^2 /NDF: 0.0/0

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

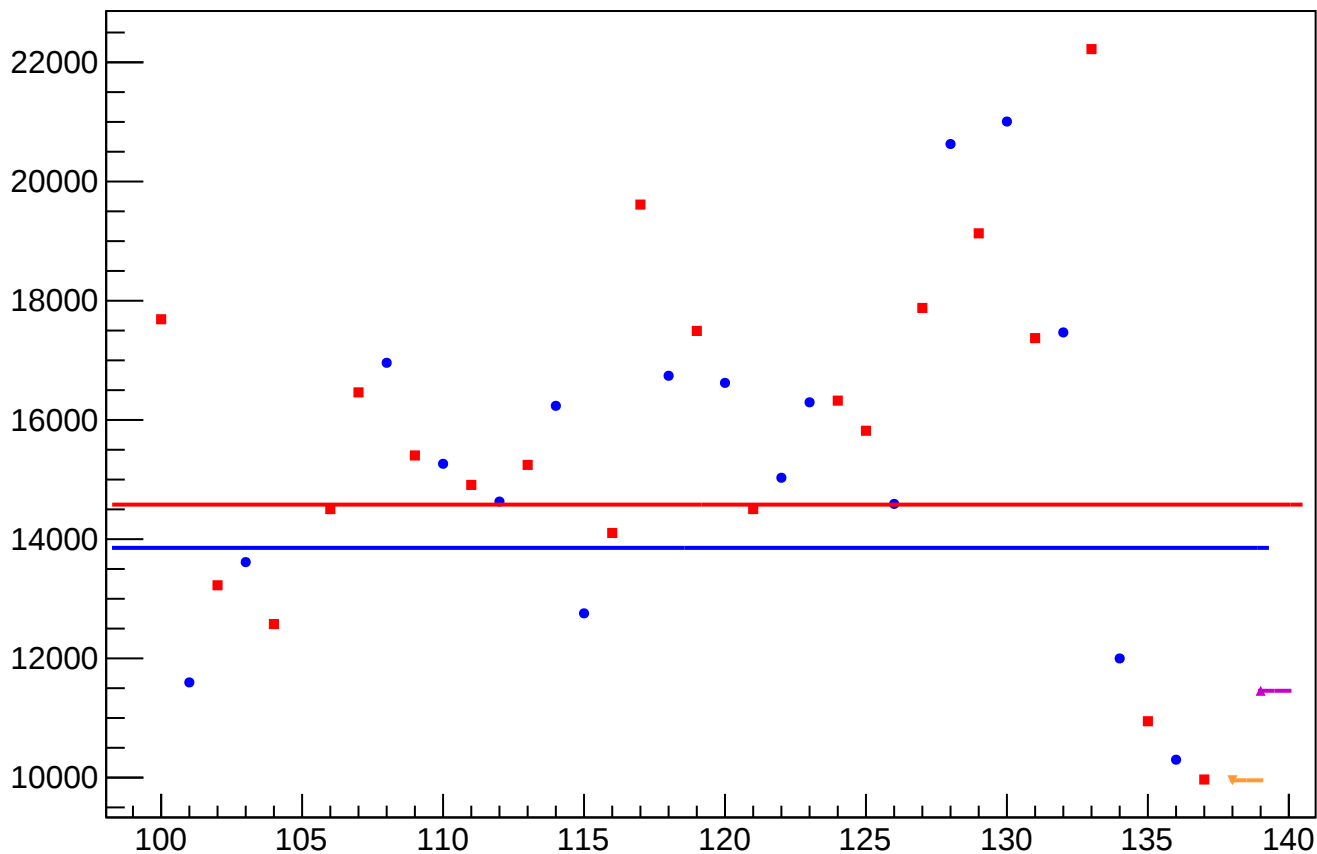
Left In: 19.651 $\pm$ 13.889 χ^2 /NDF: 0.0/0

-6.211 $\pm$ 4.979 χ^2 /NDF: 23.2/17

1.987 $\pm$ 3.583 χ^2 /NDF: 44.9/38

10.787 $\pm$ 5.159 χ^2 /NDF: 16.1/20

diff_bpm4acX_rms vs Slug, Sign Corrected



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

Left Out: 9954.626+/-8.308 χ^2/NDF : 0.0/0

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

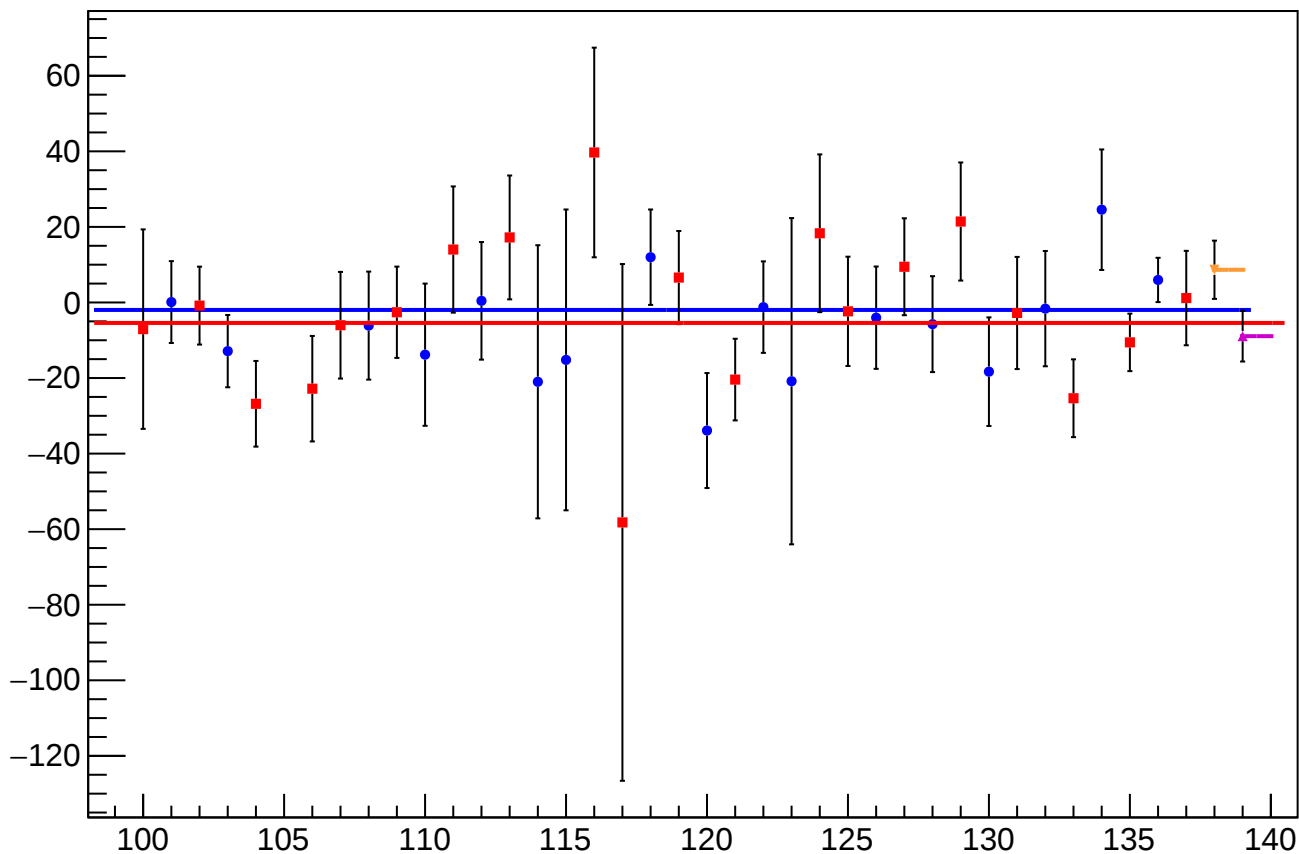
Left In: 11456.733+/-9.821 χ^2/NDF : 0.0/0

13153.800+/-3.521 χ^2/NDF : 781710.2/17

13633.747+/-2.533 χ^2/NDF : 1387420.0/3

14148.950+/-3.648 χ^2/NDF : 567181.7/20

diff_bpm4acY_mean vs Slug, Sign Corrected



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

Left Out: 8.655+/-7.707 χ^2/NDF : 0.0/0

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

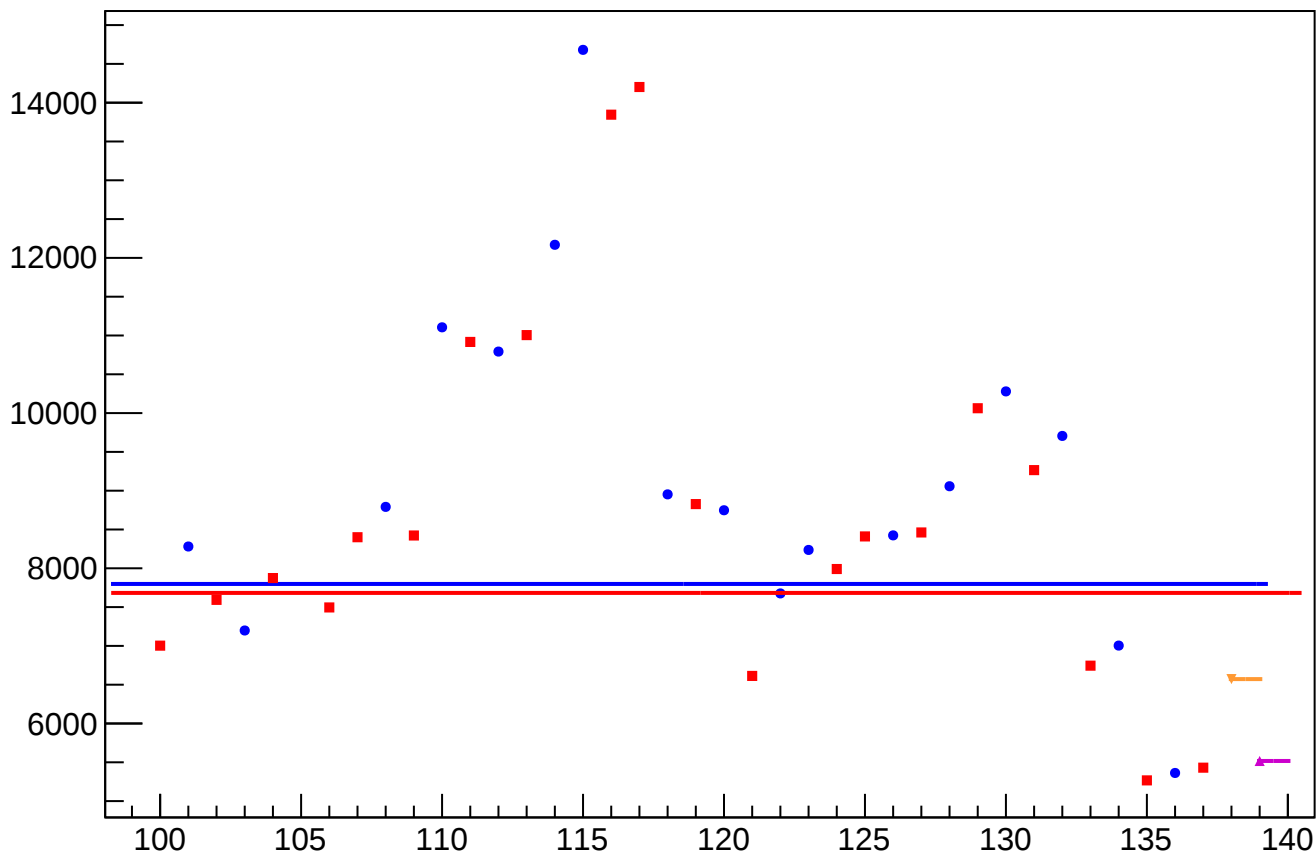
Left In: -8.919+/-6.711 χ^2/NDF : 0.0/0

-0.502+/-2.871 χ^2/NDF : 15.7/17

-3.407+/-1.969 χ^2/NDF : 42.7/38

-5.986+/-2.705 χ^2/NDF : 25.1/20

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7798.267+/-2.188 χ^2/NDF : 736283.6/16

Left Out: 6572.197+/-5.450 χ^2/NDF : 0.0/0

Right Out: 7682.786+/-2.090 χ^2/NDF : 690901.2/19

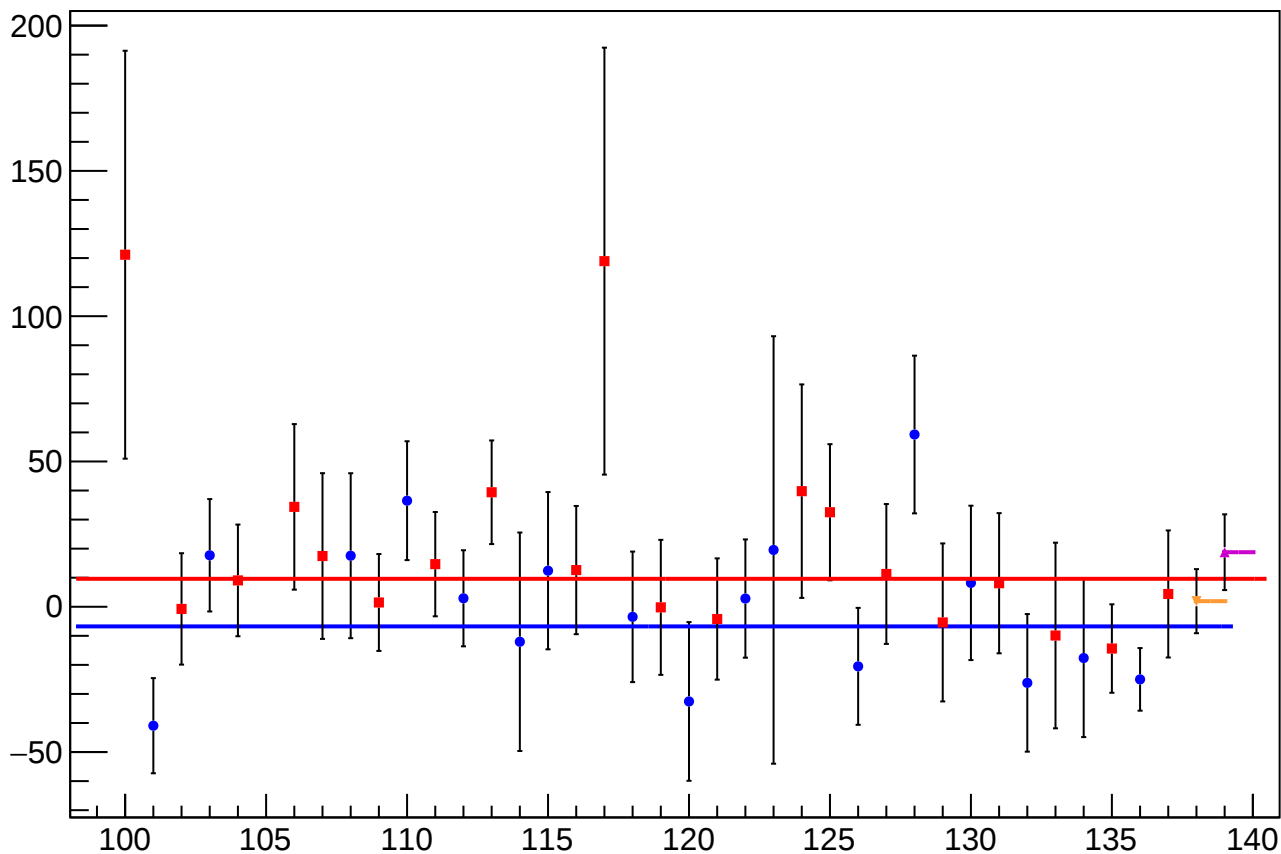
Left In: 5517.098+/-4.745 χ^2/NDF : 0.0/0

7628.112+/-2.030 χ^2/NDF : 779871.0/17

7470.670+/-1.392 χ^2/NDF : 1656566.6/38

7330.933+/-1.913 χ^2/NDF : 865344.8/20

diff_bpm4ecX_mean vs Slug, Sign Corrected



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

Left Out: 1.927 ± 11.028 χ^2/NDF : 0.0/0

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

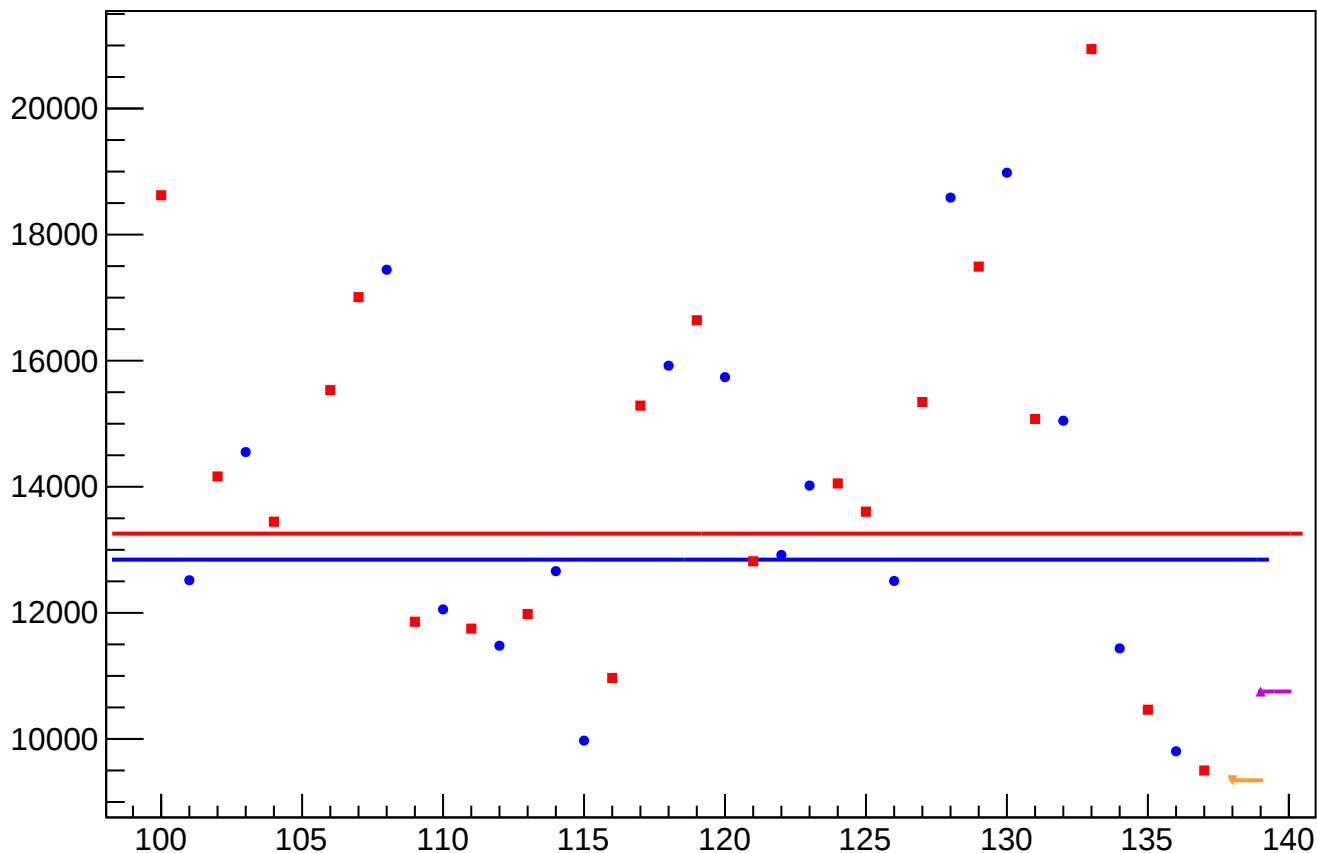
Left In: 18.775 ± 13.035 χ^2/NDF : 0.0/0

-5.237 ± 4.617 χ^2/NDF : 24.2/17

2.623 ± 3.299 χ^2/NDF : 45.0/38

10.820 ± 4.716 χ^2/NDF : 14.9/20

diff_bpm4ecX_rms vs Slug, Sign Corrected



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

Left Out: 9344.068+/-7.798 χ^2/NDF : 0.0/0

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

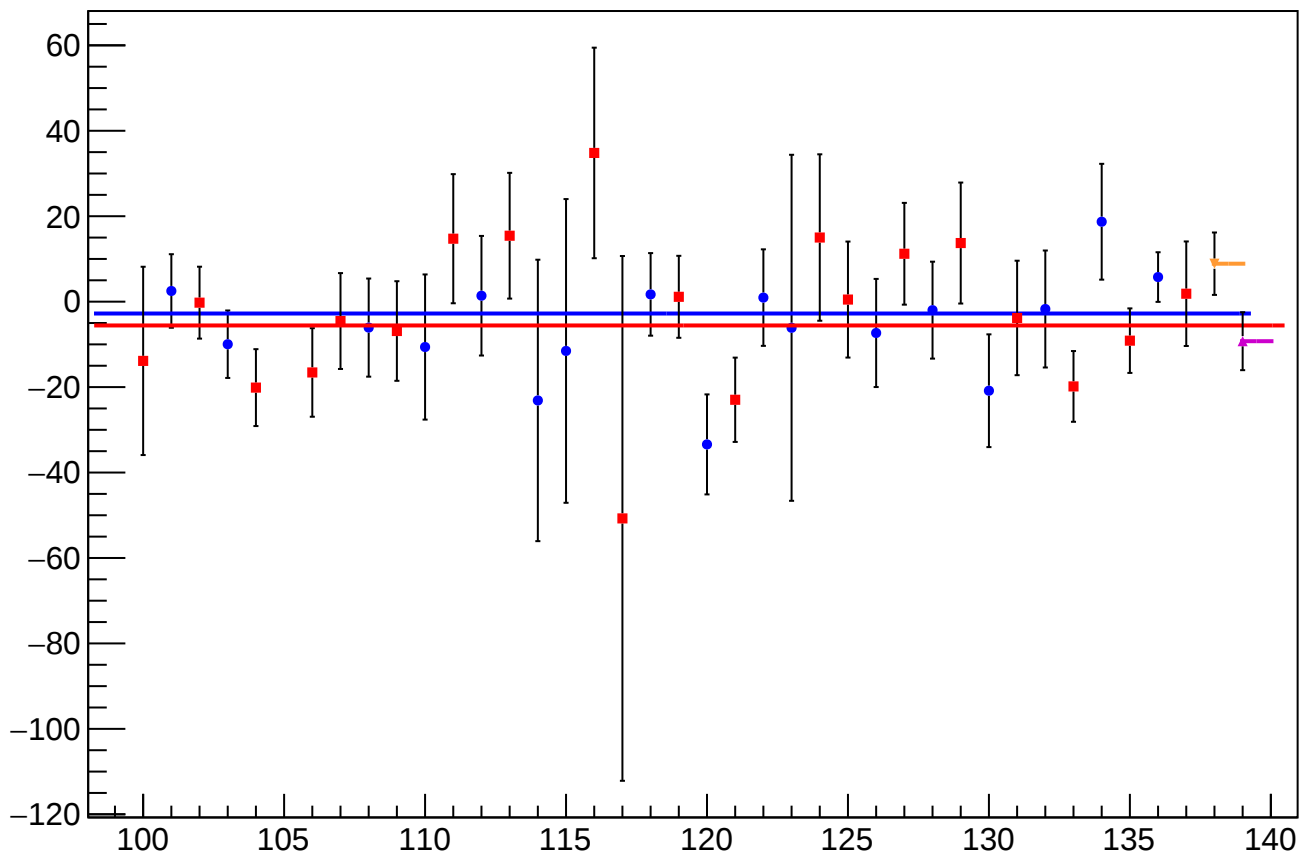
Left In: 10752.301+/-9.217 χ^2/NDF : 0.0/0

12230.629+/-3.265 χ^2/NDF : 713439.9/17

12572.504+/-2.333 χ^2/NDF : 1287035.3/3

12929.089+/-3.335 χ^2/NDF : 551196.4/20

diff_bpm4ecY_mean vs Slug, Sign Corrected



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

Left Out: 8.886+/-7.303 χ^2/NDF : 0.0/0

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

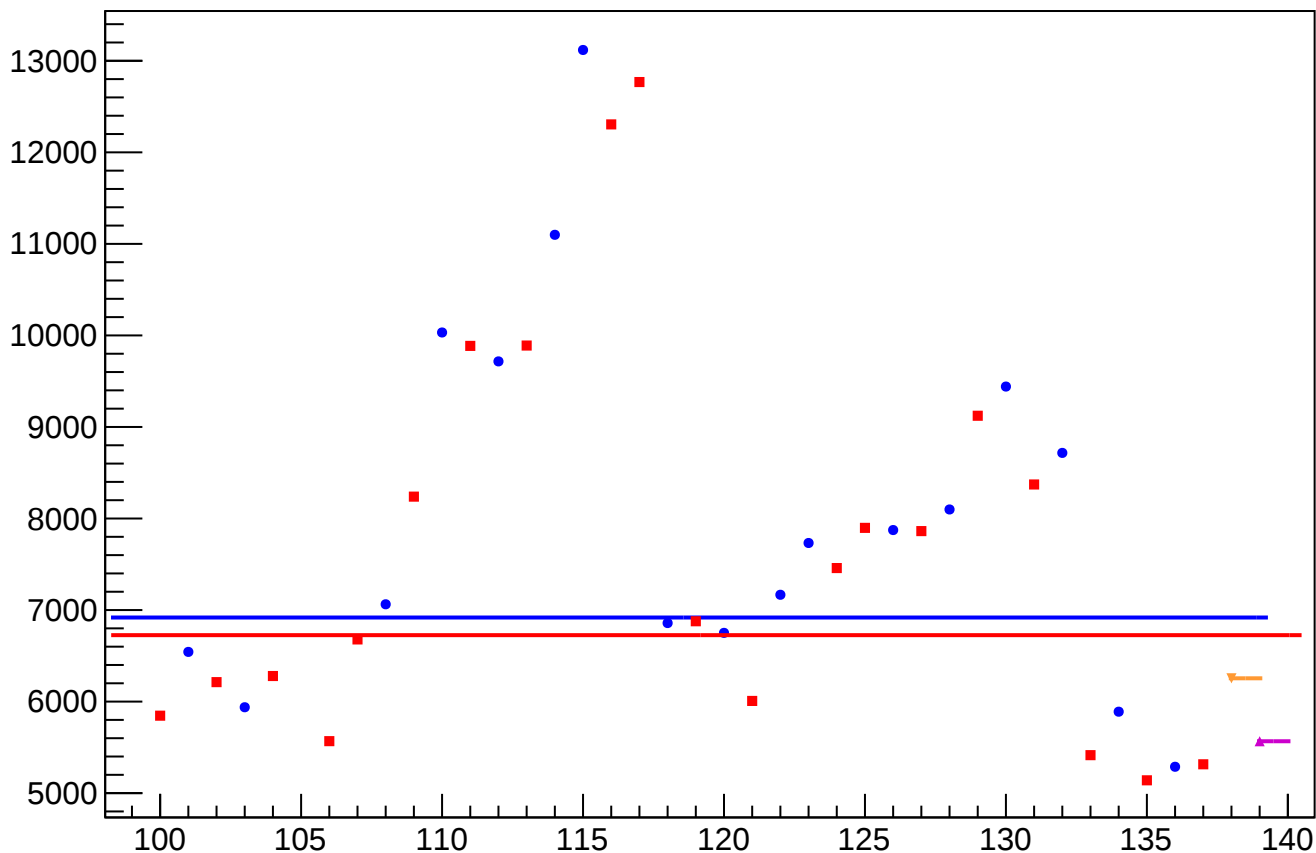
Left In: -9.255+/-6.781 χ^2/NDF : 0.0/0

-1.343+/-2.559 χ^2/NDF : 18.1/17

-3.826+/-1.756 χ^2/NDF : 43.9/38

-6.039+/-2.416 χ^2/NDF : 24.0/20

diff_bpm4ecY_rms vs Slug, Sign Corrected



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

Left Out: 6254.397+/-5.164 χ^2/NDF : 0.0/0

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

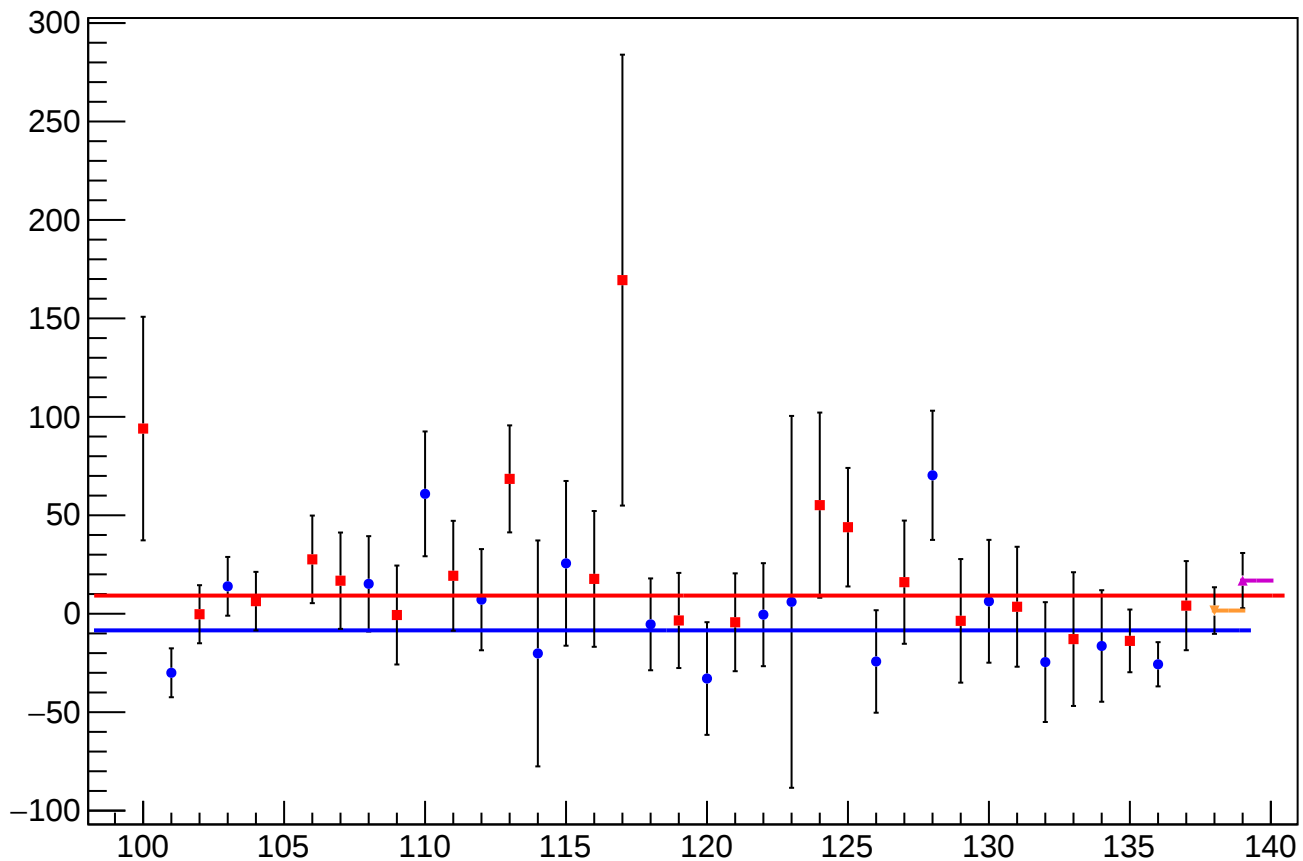
Left In: 5566.800+/-4.795 χ^2/NDF : 0.0/0

6836.976+/-1.809 χ^2/NDF : 601545.8/17

6700.402+/-1.242 χ^2/NDF : 1338734.9/38

6578.669+/-1.708 χ^2/NDF : 726410.9/20

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.448 ± 5.393 χ^2/NDF : 22.0/16

Left Out: 1.620 ± 11.831 χ^2/NDF : 0.0/0

Right Out: 9.224 ± 5.502 χ^2/NDF : 16.2/19

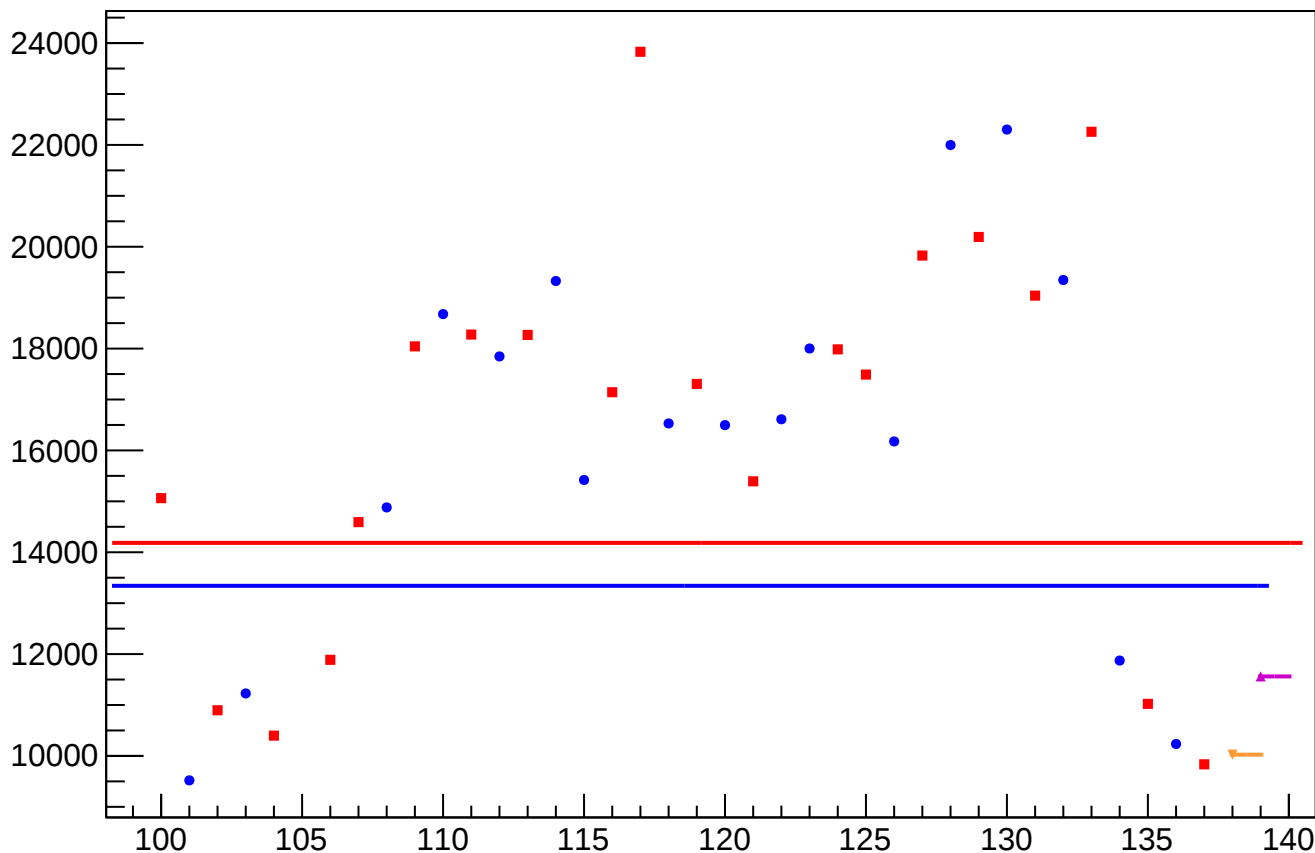
Left In: 16.842 ± 14.016 χ^2/NDF : 0.0/0

-6.716 ± 4.907 χ^2/NDF : 22.6/17

1.400 ± 3.543 χ^2/NDF : 44.8/38

10.241 ± 5.122 χ^2/NDF : 16.4/20

diff_bpm1X_rms vs Slug, Sign Corrected



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

Left Out: 10024.739+/-8.366 χ^2/NDF : 0.0/0

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

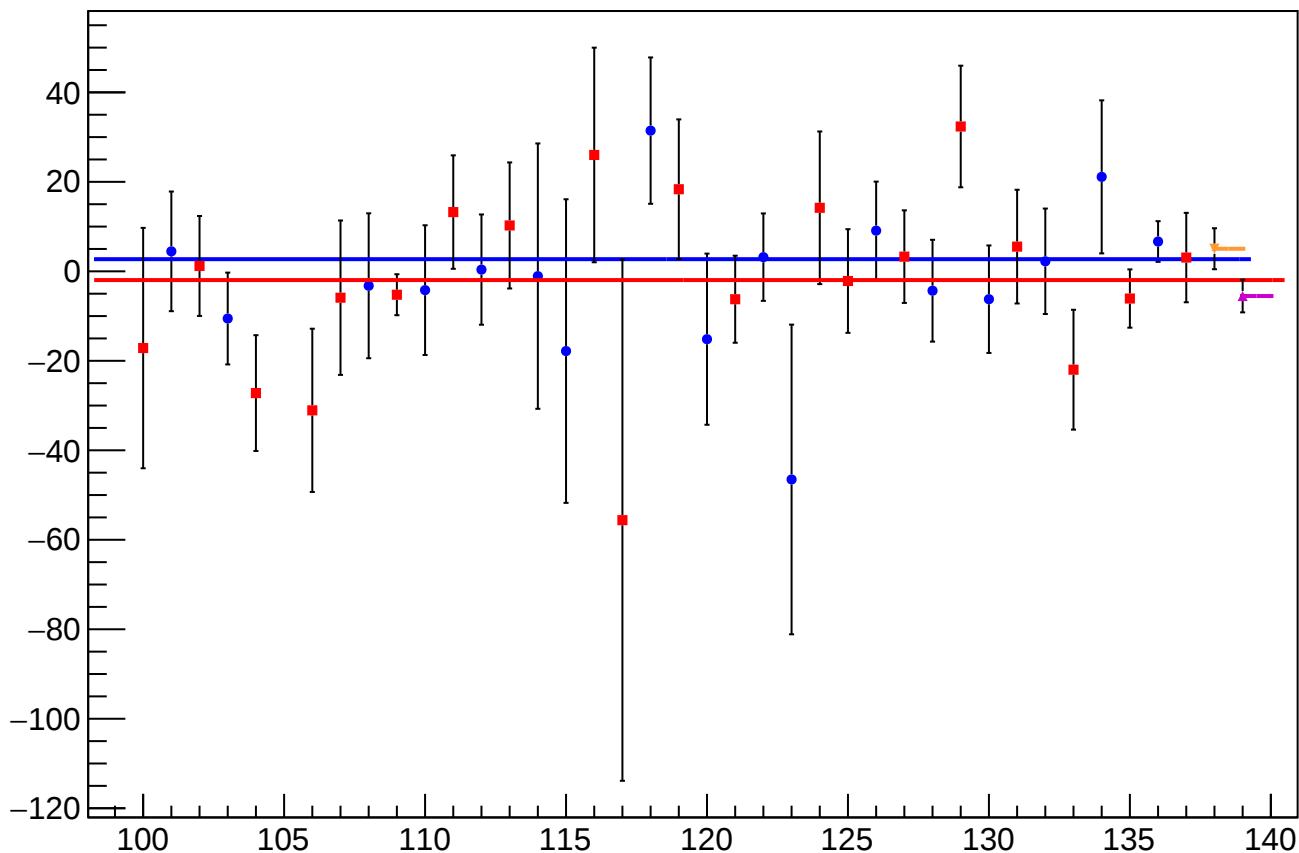
Left In: 11561.507+/-9.911 χ^2/NDF : 0.0/0

12770.463+/-3.470 χ^2/NDF : 1174666.9/17

13279.493+/-2.505 χ^2/NDF : 2226316.3/3

13833.963+/-3.621 χ^2/NDF : 1006687.2/20

diff_bpm1Y_mean vs Slug, Sign Corrected



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

Left Out: 5.050 $\pm$ 4.580 χ^2 /NDF: 0.0/0

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

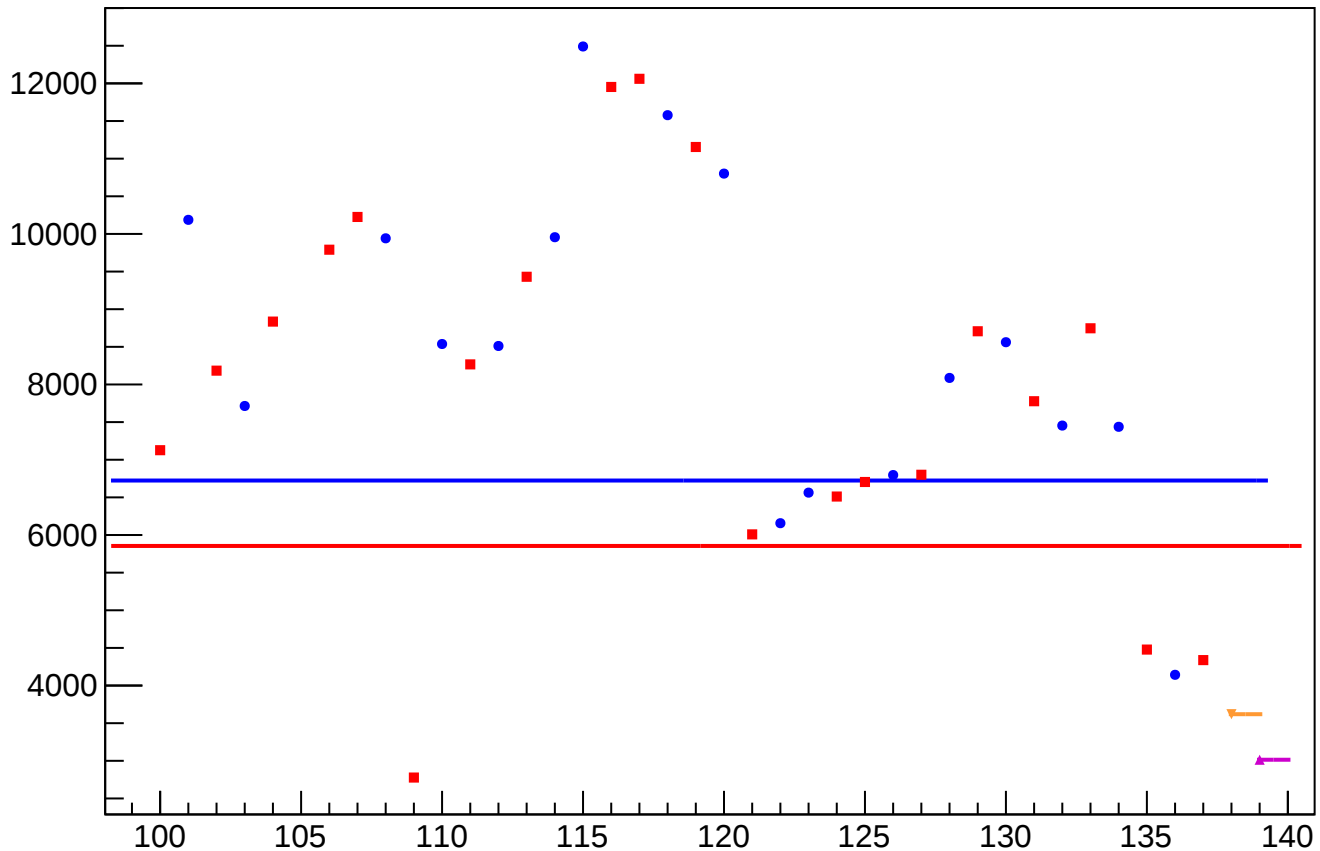
Left In: -5.518 $\pm$ 3.655 χ^2 /NDF: 0.0/0

3.336 $\pm$ 2.359 χ^2 /NDF: 11.8/17

-0.337 $\pm$ 1.538 χ^2 /NDF: 41.1/38

-3.051 $\pm$ 2.028 χ^2 /NDF: 25.0/20

diff_bpm1Y_rms vs Slug, Sign Corrected



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

Left Out: 3619.430+/-3.238 χ^2/NDF : 0.0/0

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

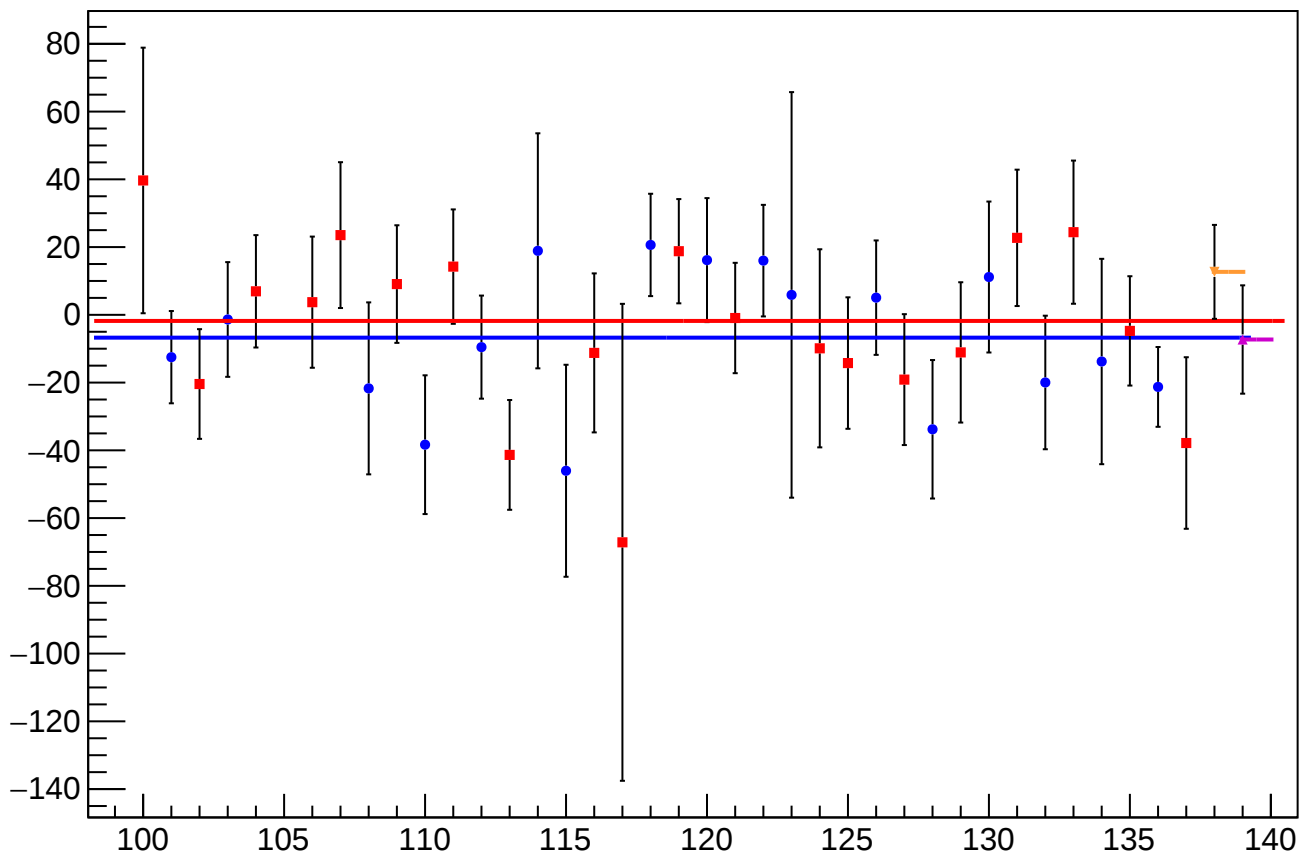
Left In: 3014.368+/-2.585 χ^2/NDF : 0.0/0

5900.231+/-1.668 χ^2/NDF : 2067269.5/17

5371.455+/-1.087 χ^2/NDF : 5378044.9/38

4980.799+/-1.434 χ^2/NDF : 3136029.0/20

diff_bpm11X_mean vs Slug, Sign Corrected



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

Left Out: 12.685 $\pm$ 13.865 χ^2/NDF : 0.0/0

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

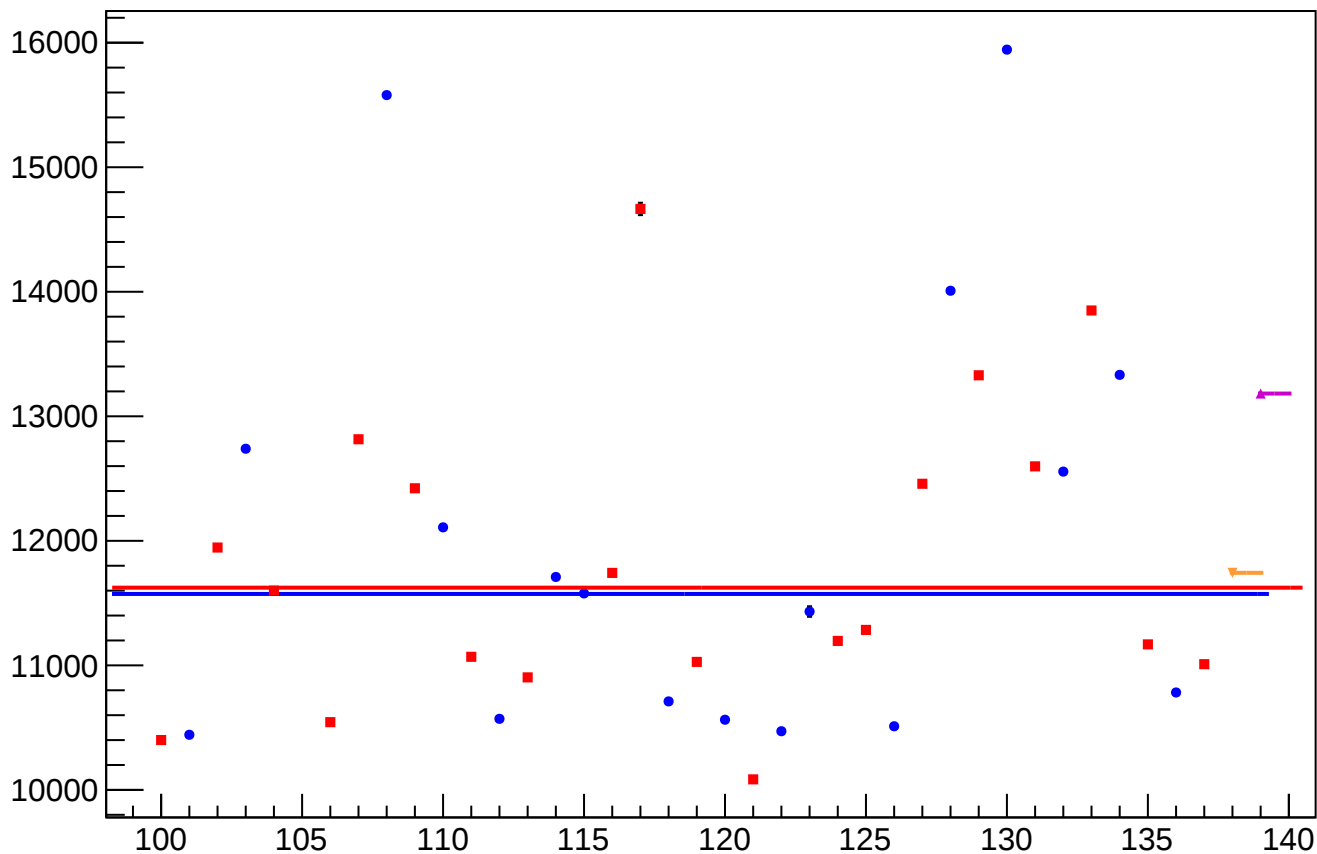
Left In: -7.284 $\pm$ 15.992 χ^2/NDF : 0.0/0

-4.876 $\pm$ 4.291 χ^2/NDF : 18.6/17

-3.503 $\pm$ 3.005 χ^2/NDF : 39.8/38

-2.182 $\pm$ 4.210 χ^2/NDF : 20.9/20

diff_bpm11X_rms vs Slug, Sign Corrected



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

Left Out: 11743.266+/-9.804 χ^2/NDF : 0.0/0

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

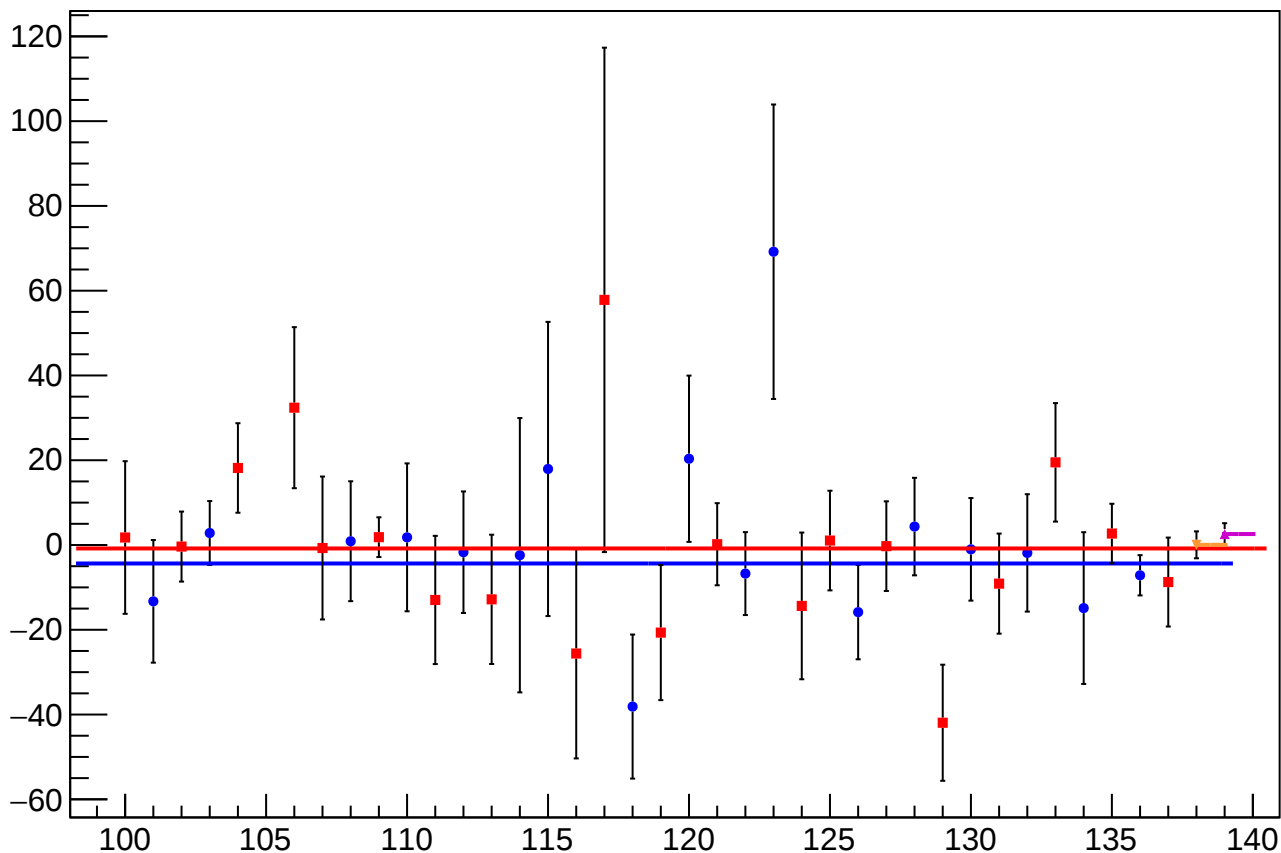
Left In: 13182.643+/-11.308 χ^2/NDF : 0.0/0

11589.754+/-3.034 χ^2/NDF : 239005.9/17

11662.228+/-2.125 χ^2/NDF : 355864.2/38

11731.981+/-2.977 χ^2/NDF : 115738.8/20

diff_bpm11Y_mean vs Slug, Sign Corrected



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

Left Out: 0.042 ± 3.177 χ^2/NDF : 0.0/0

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

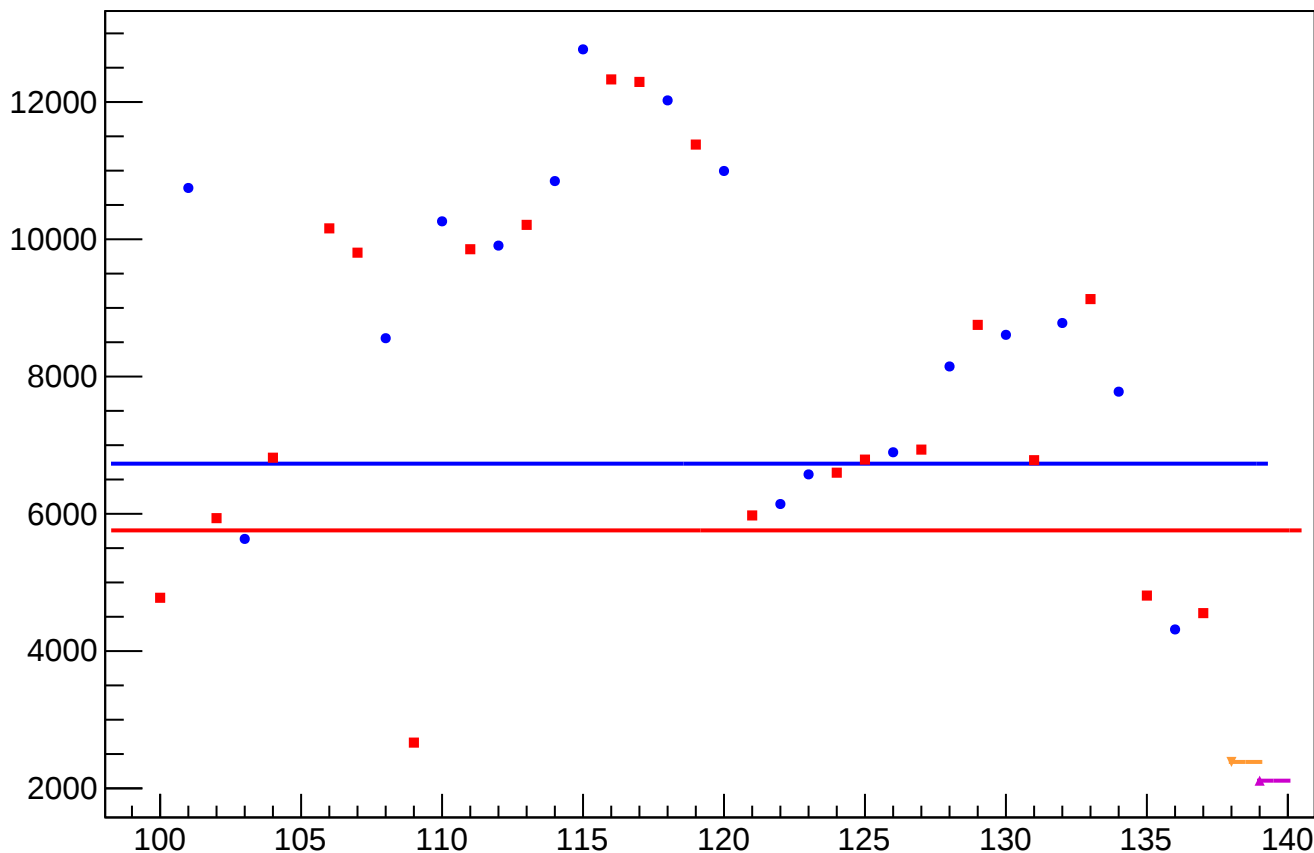
Left In: 2.586 ± 2.561 χ^2/NDF : 0.0/0

-2.455 ± 2.091 χ^2/NDF : 15.6/17

-0.556 ± 1.347 χ^2/NDF : 42.5/38

0.791 ± 1.761 χ^2/NDF : 25.4/20

diff_bpm11Y_rms vs Slug, Sign Corrected



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

Left Out: 2384.865+/-2.247 χ^2/NDF : 0.0/0

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

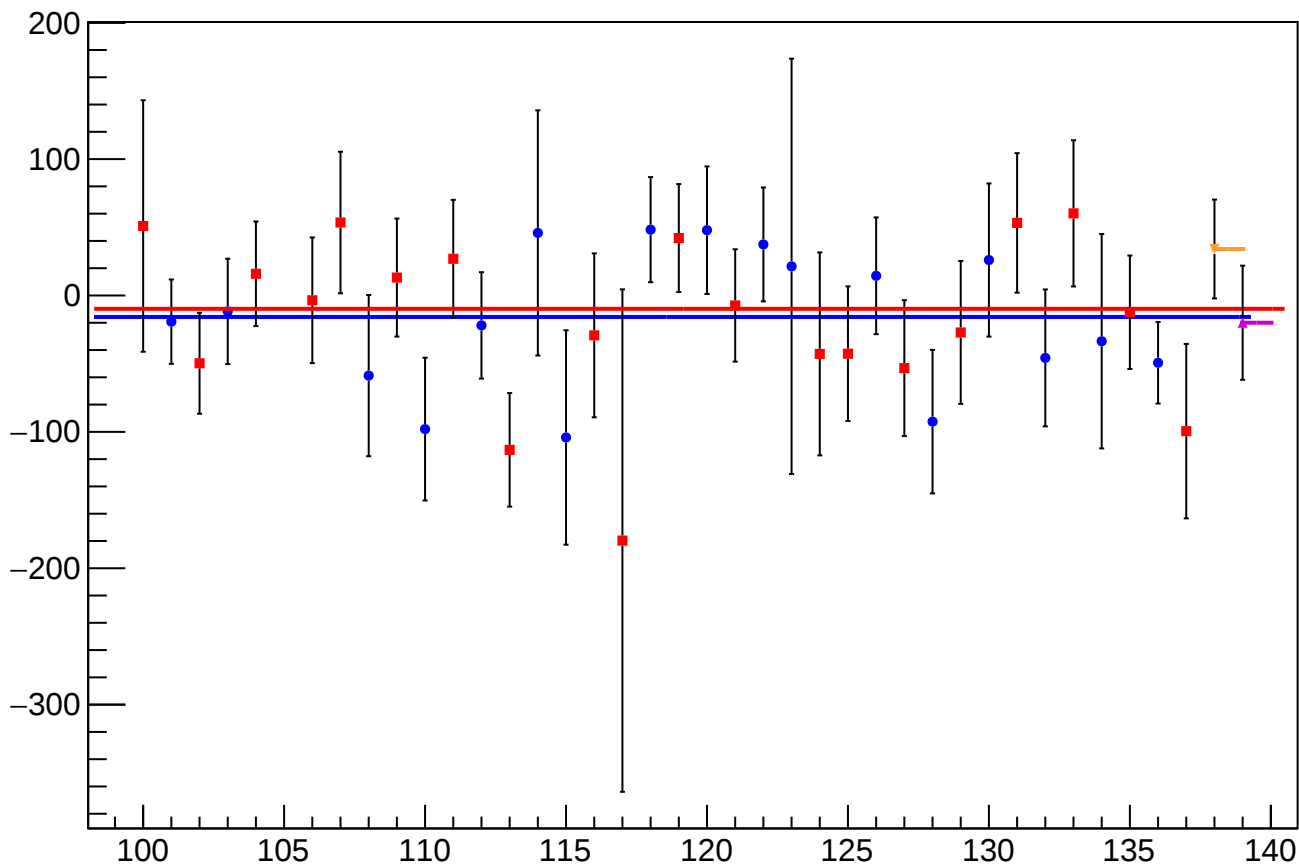
Left In: 2111.872+/-1.811 χ^2/NDF : 0.0/0

4849.303+/-1.478 χ^2/NDF : 3566867.0/17

4373.028+/-0.952 χ^2/NDF : 8069446.3/38

4035.299+/-1.245 χ^2/NDF : 4325181.0/20

diff_bpm12X_mean vs Slug, Sign Corrected



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

Left Out: 34.062 $\pm$ 36.240 χ^2/NDF : 0.0/0

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

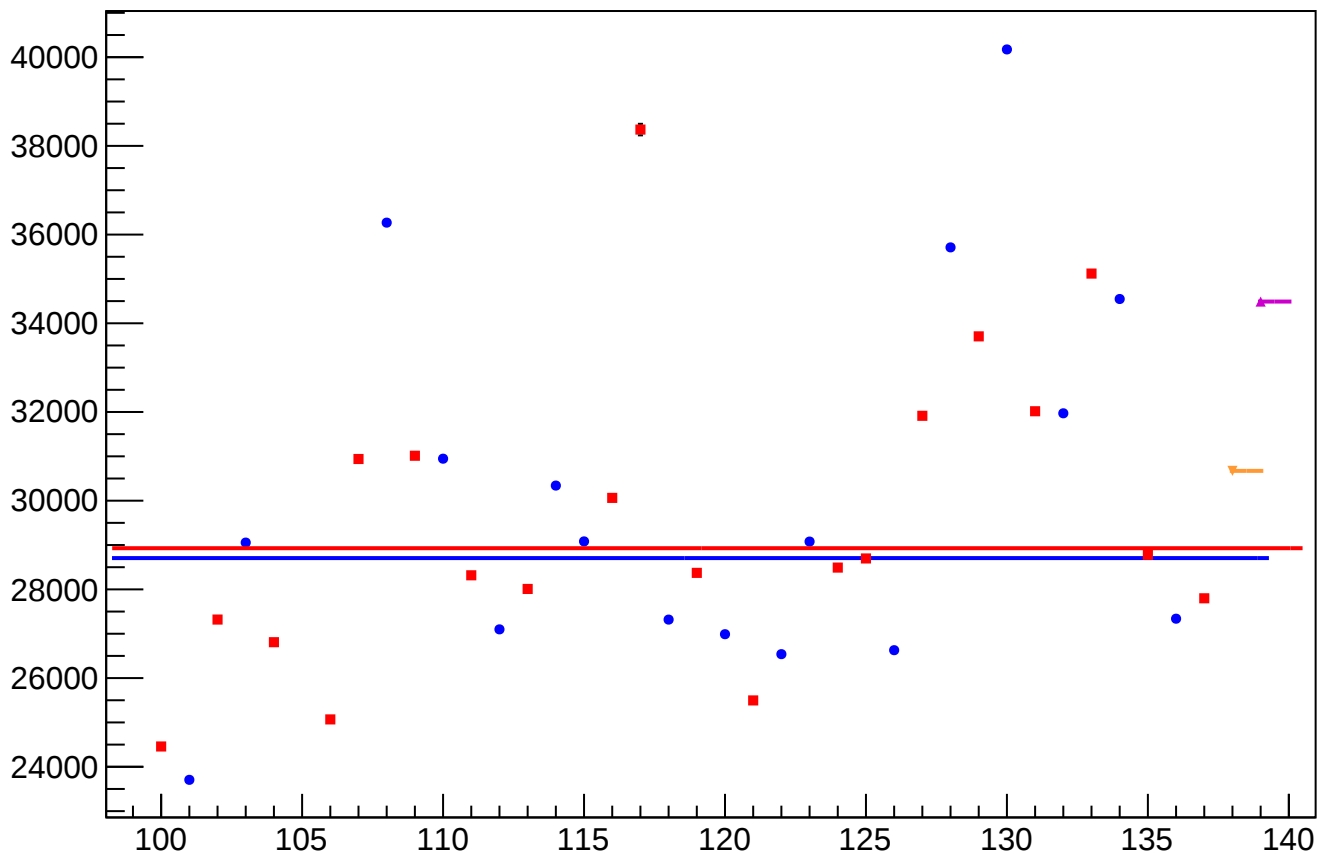
Left In: -19.966 $\pm$ 41.828 χ^2/NDF : 0.0/0

-11.402 $\pm$ 10.707 χ^2/NDF : 17.6/17

-10.902 $\pm$ 7.504 χ^2/NDF : 37.8/38

-10.418 $\pm$ 10.521 χ^2/NDF : 20.2/20

diff_bpm12X_rms vs Slug, Sign Corrected



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

Left Out: 30672.412+/-25.625 χ^2/NDF : 0.0/0

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

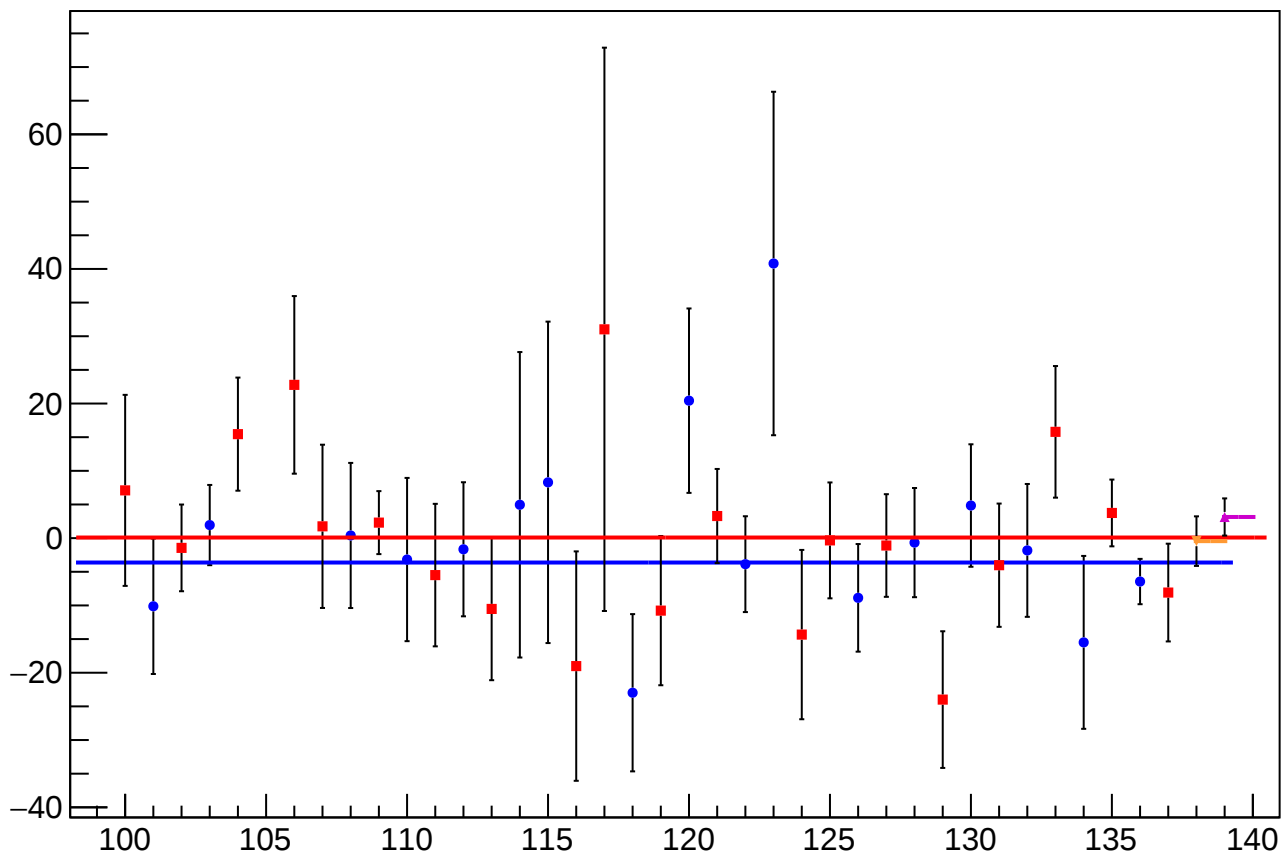
Left In: 34489.690+/-29.577 χ^2/NDF : 0.0/0

28877.259+/-7.571 χ^2/NDF : 256369.4/17

29082.344+/-5.306 χ^2/NDF : 407411.2/38

29280.349+/-7.439 χ^2/NDF : 149599.6/20

diff_bpm12Y_mean vs Slug, Sign Corrected



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

Left Out: -0.446 ± 3.685 χ^2/NDF : 0.0/0

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

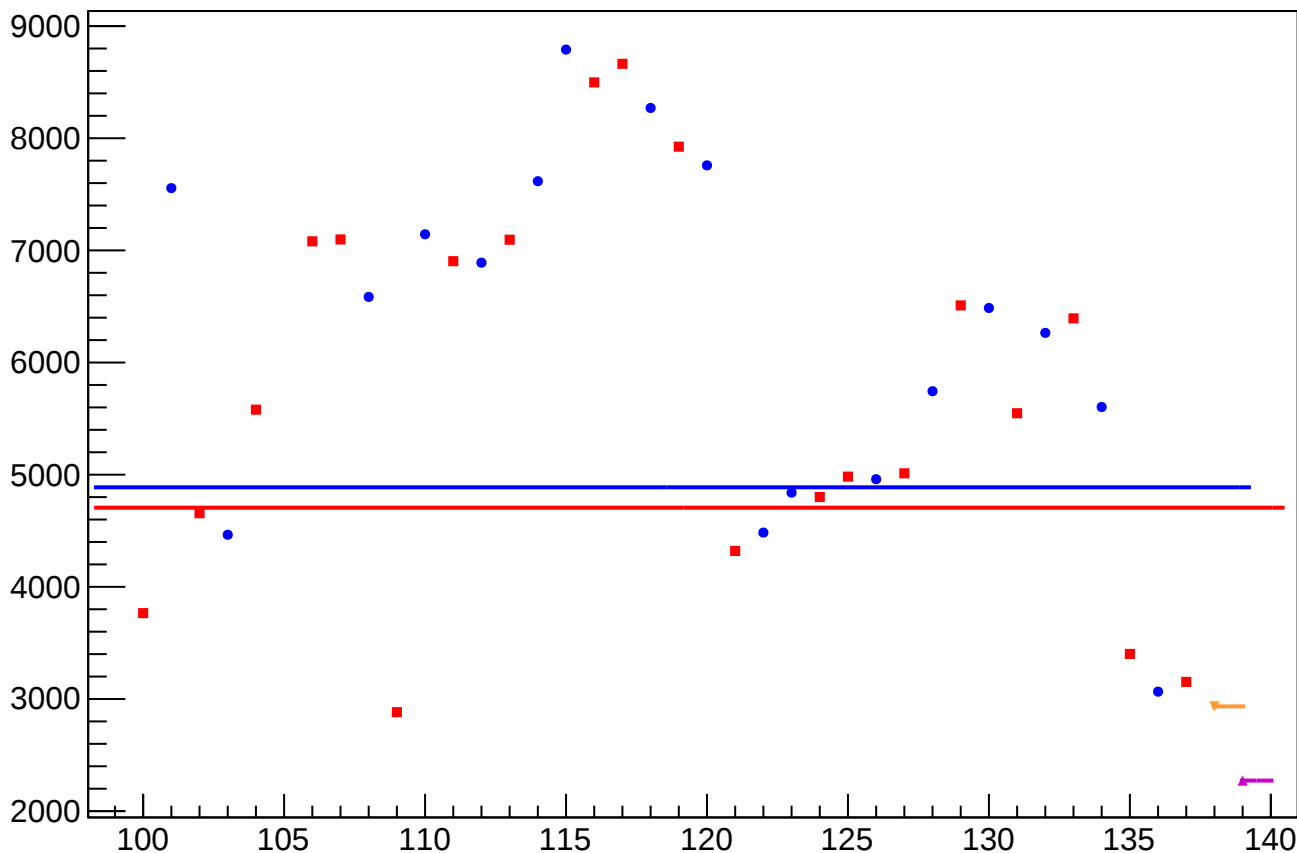
Left In: 3.144 ± 2.761 χ^2/NDF : 0.0/0

-2.898 ± 1.762 χ^2/NDF : 14.3/17

-0.676 ± 1.167 χ^2/NDF : 40.6/38

1.063 ± 1.559 χ^2/NDF : 23.5/20

diff_bpm12Y_rms vs Slug, Sign Corrected



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

Left Out: 2933.990+/-2.605 χ^2/NDF : 0.0/0

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

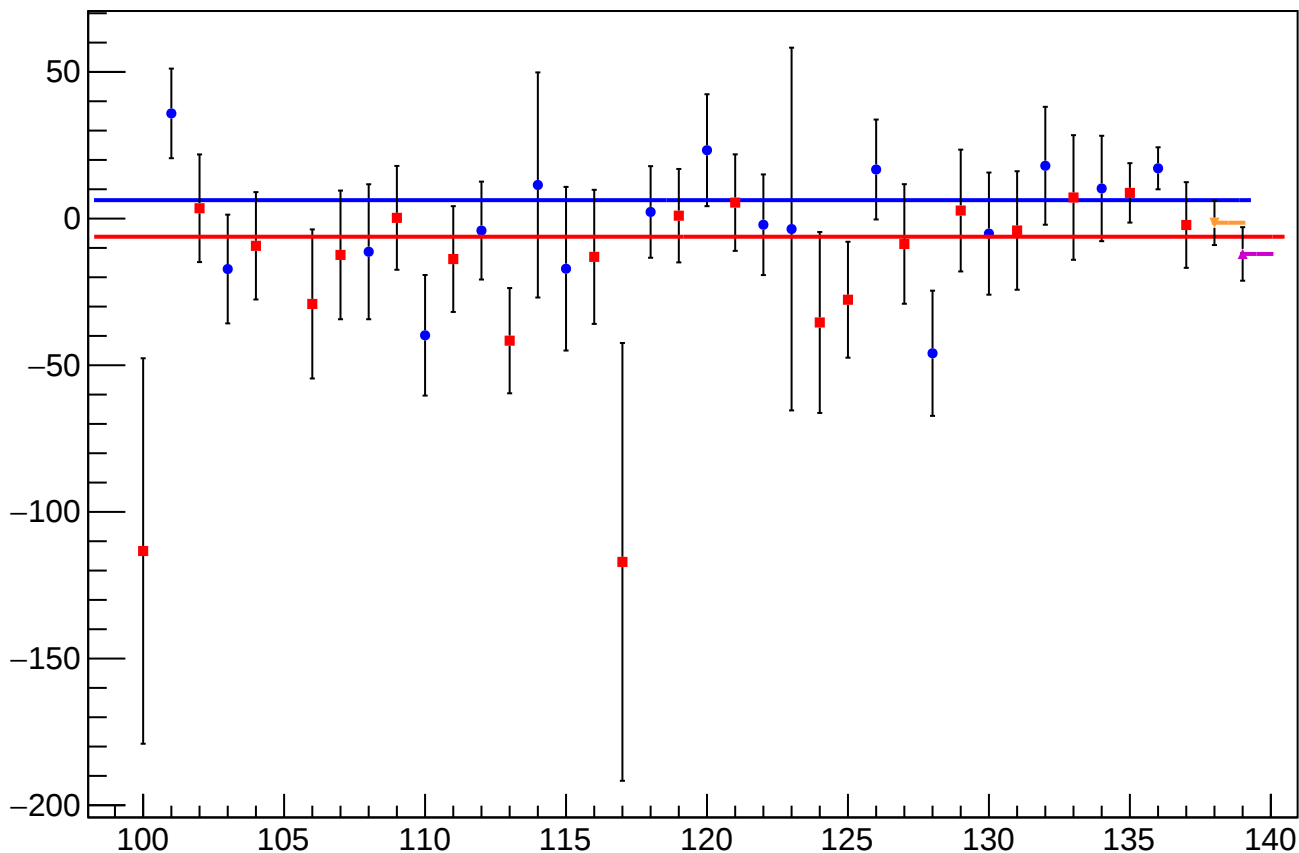
Left In: 2272.443+/-1.953 χ^2/NDF : 0.0/0

4440.854+/-1.246 χ^2/NDF : 1842970.7/17

4154.624+/-0.825 χ^2/NDF : 4326426.0/38

3930.628+/-1.102 χ^2/NDF : 2389355.4/20

diff_bpm16X_mean vs Slug, Sign Corrected



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

Left Out: -1.409 ± 7.615 $\chi^2/\text{NDF}: 0.0/0$

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

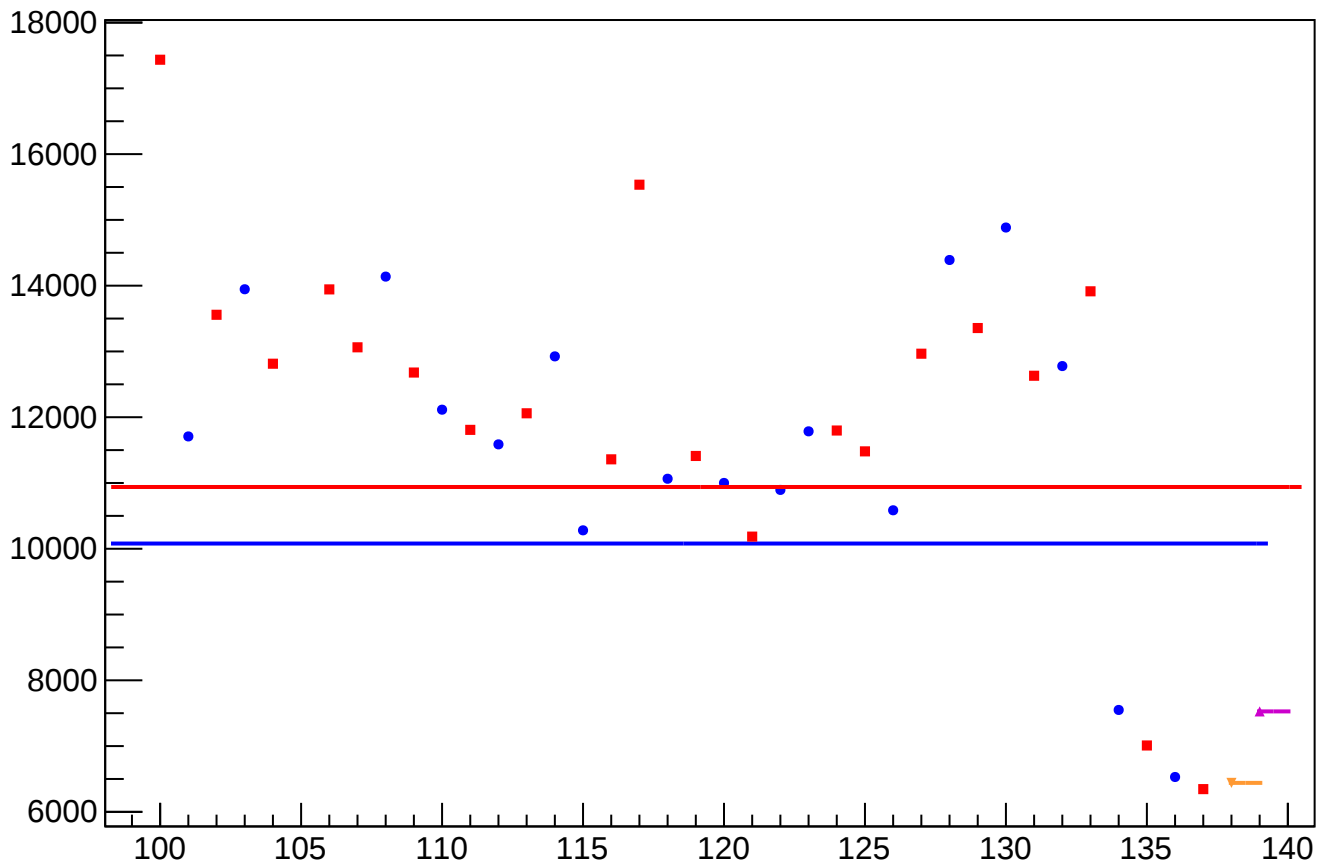
Left In: -12.053 ± 9.125 $\chi^2/\text{NDF}: 0.0/0$

4.578 ± 3.585 $\chi^2/\text{NDF}: 23.3/17$

-0.937 ± 2.616 $\chi^2/\text{NDF}: 44.8/38$

-7.213 ± 3.825 $\chi^2/\text{NDF}: 16.4/20$

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10079.454+/-2.874 χ^2/NDF : 994683.1/16

Left Out: 6440.485+/-5.384 χ^2/NDF : 0.0/0

Right Out: 10939.227+/-2.979 χ^2/NDF : 776055.3/19

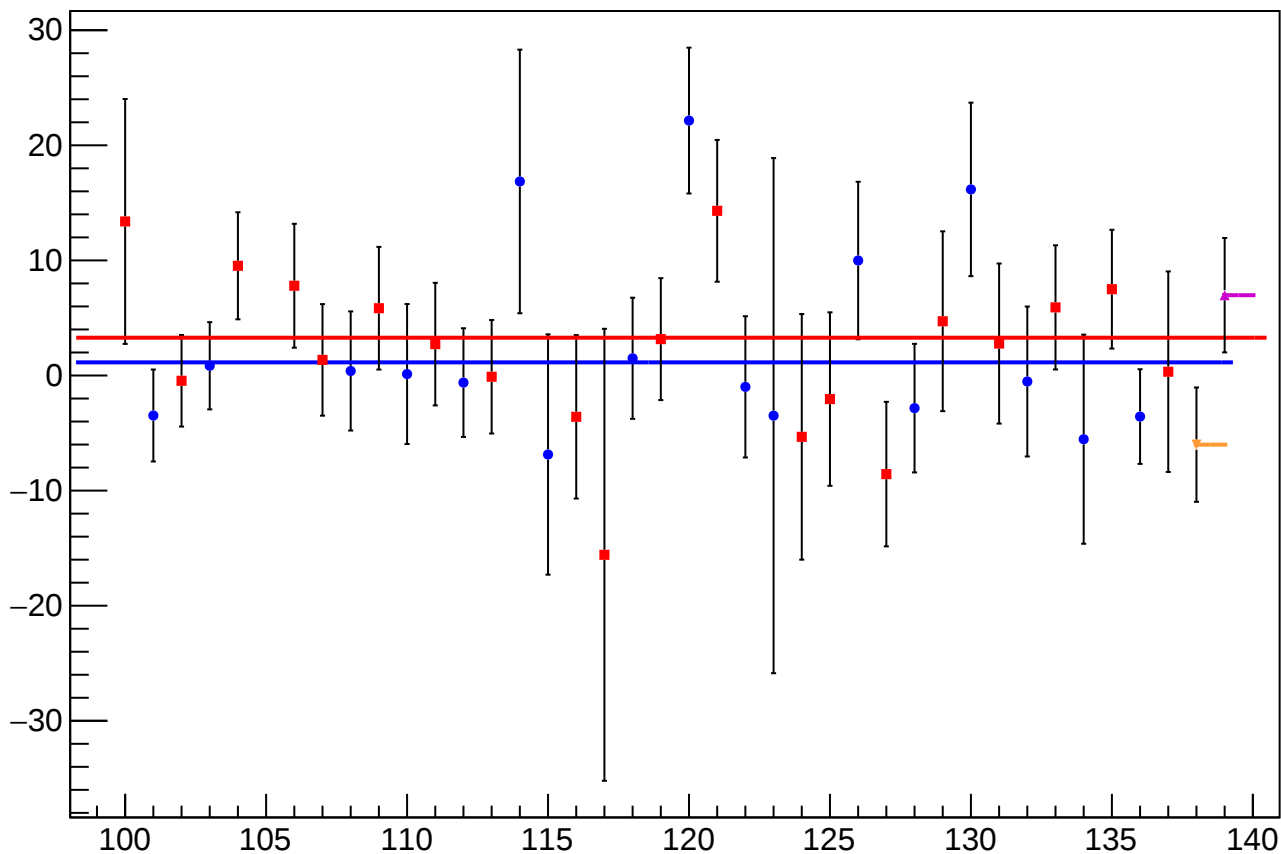
Left In: 7527.275+/-6.453 χ^2/NDF : 0.0/0

9272.682+/-2.535 χ^2/NDF : 1350170.5/17

9771.890+/-1.850 χ^2/NDF : 2439596.3/38

10339.910+/-2.704 χ^2/NDF : 1006538.3/20

diff_bpm16Y_mean vs Slug, Sign Corrected



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

Left Out: -6.007 $\pm$ 4.967 χ^2 /NDF: 0.0/0

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

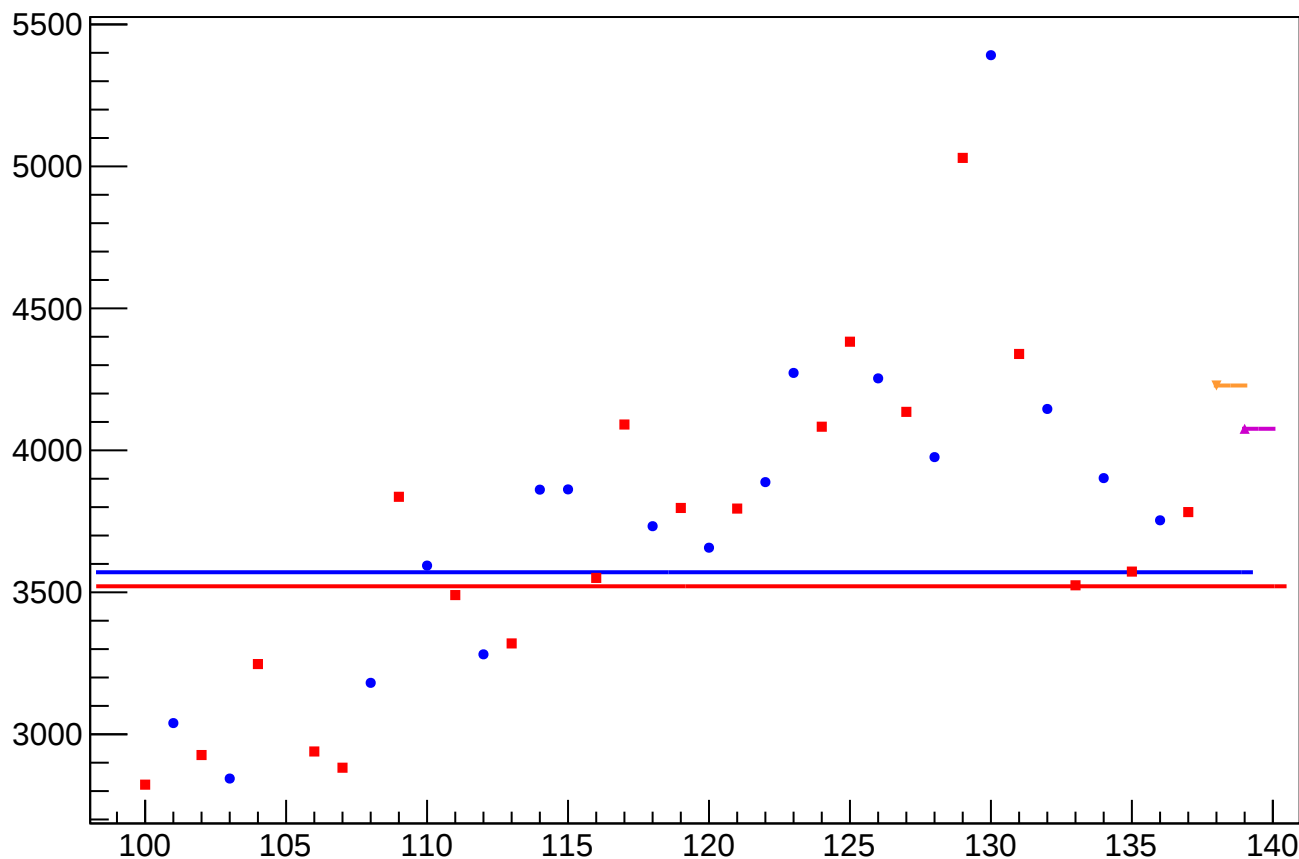
Left In: 6.978 $\pm$ 4.970 χ^2 /NDF: 0.0/0

0.620 $\pm$ 1.343 χ^2 /NDF: 25.2/17

2.140 $\pm$ 0.928 χ^2 /NDF: 44.1/38

3.531 $\pm$ 1.285 χ^2 /NDF: 16.5/20

diff_bpm16Y_rms vs Slug, Sign Corrected



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

Left Out: 4228.357+/-3.512 χ^2/NDF : 0.0/0

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

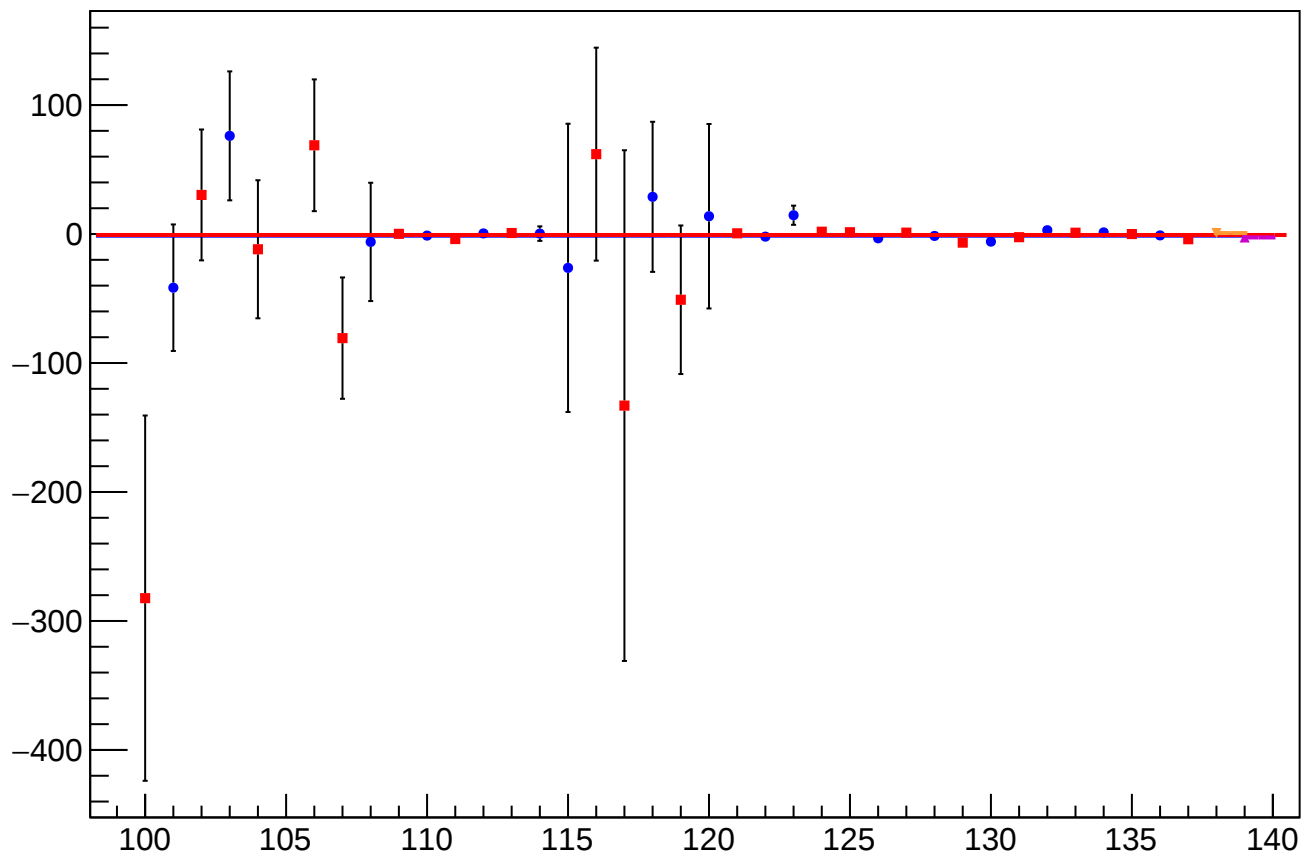
Left In: 4075.945+/-3.514 χ^2/NDF : 0.0/0

3618.798+/-0.950 χ^2/NDF : 342062.9/17

3587.219+/-0.657 χ^2/NDF : 662349.0/38

3558.323+/-0.909 χ^2/NDF : 318169.1/20

diff_bpm1p02bX_mean vs Slug, Sign Corrected



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

Left Out: 0.760 ± 1.395 χ^2/NDF : 0.0/0

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

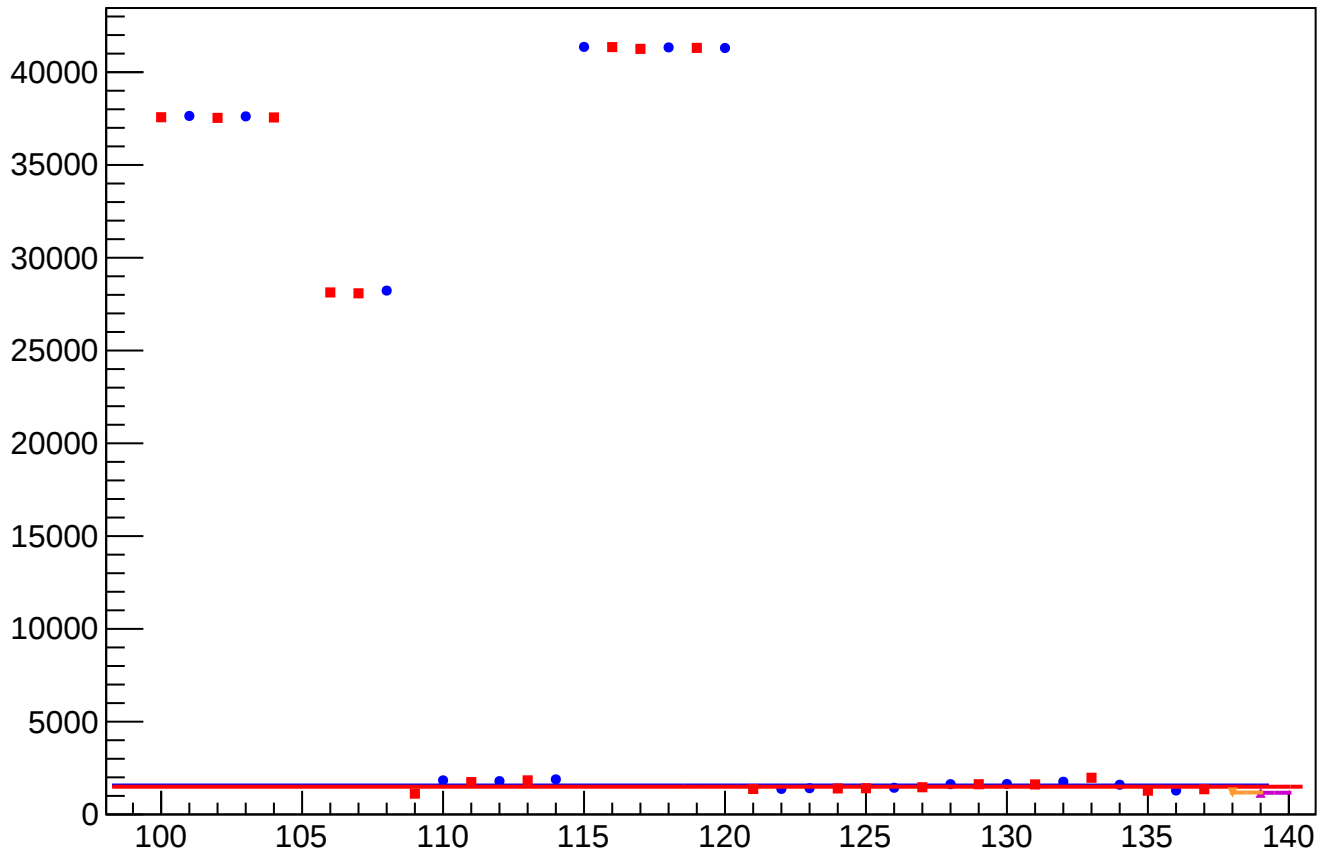
Left In: -2.660 ± 1.422 χ^2/NDF : 0.0/0

-0.810 ± 0.659 χ^2/NDF : 17.9/17

-0.970 ± 0.457 χ^2/NDF : 42.0/38

-1.119 ± 0.635 χ^2/NDF : 24.0/20

diff_bpm1p02bX_rms vs Slug, Sign Corrected



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

Left Out: 1181.860+/-0.987 χ^2/NDF : 0.0/0

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

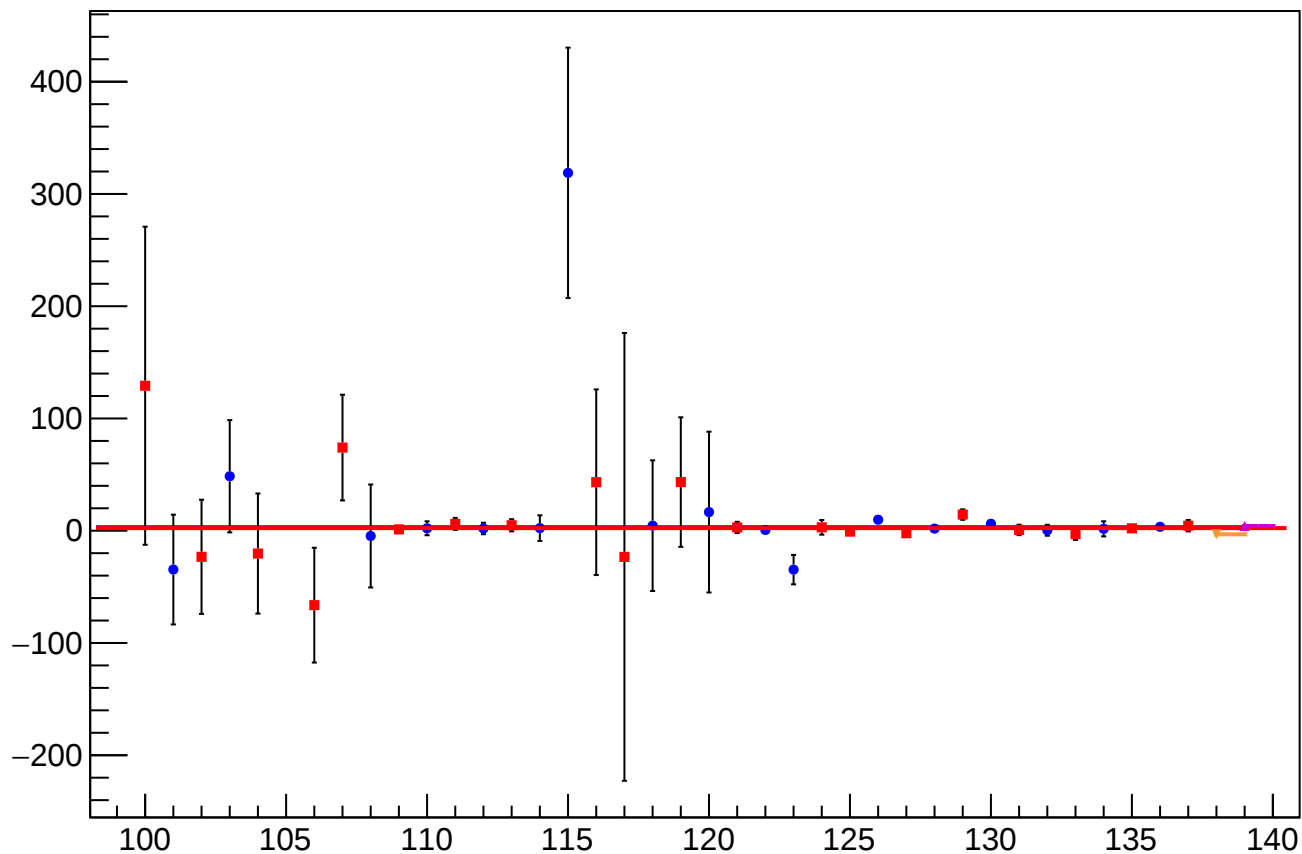
Left In: 1167.941+/-1.006 χ^2/NDF : 0.0/0

1474.825+/-0.466 χ^2/NDF : 4867169.9/17

1451.492+/-0.323 χ^2/NDF : 9930322.2/38

1429.807+/-0.449 χ^2/NDF : 5058316.9/20

diff_bpm1p02bY_mean vs Slug, Sign Corrected



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

Left Out: -3.212+/-2.262 χ^2/NDF : 0.0/0

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

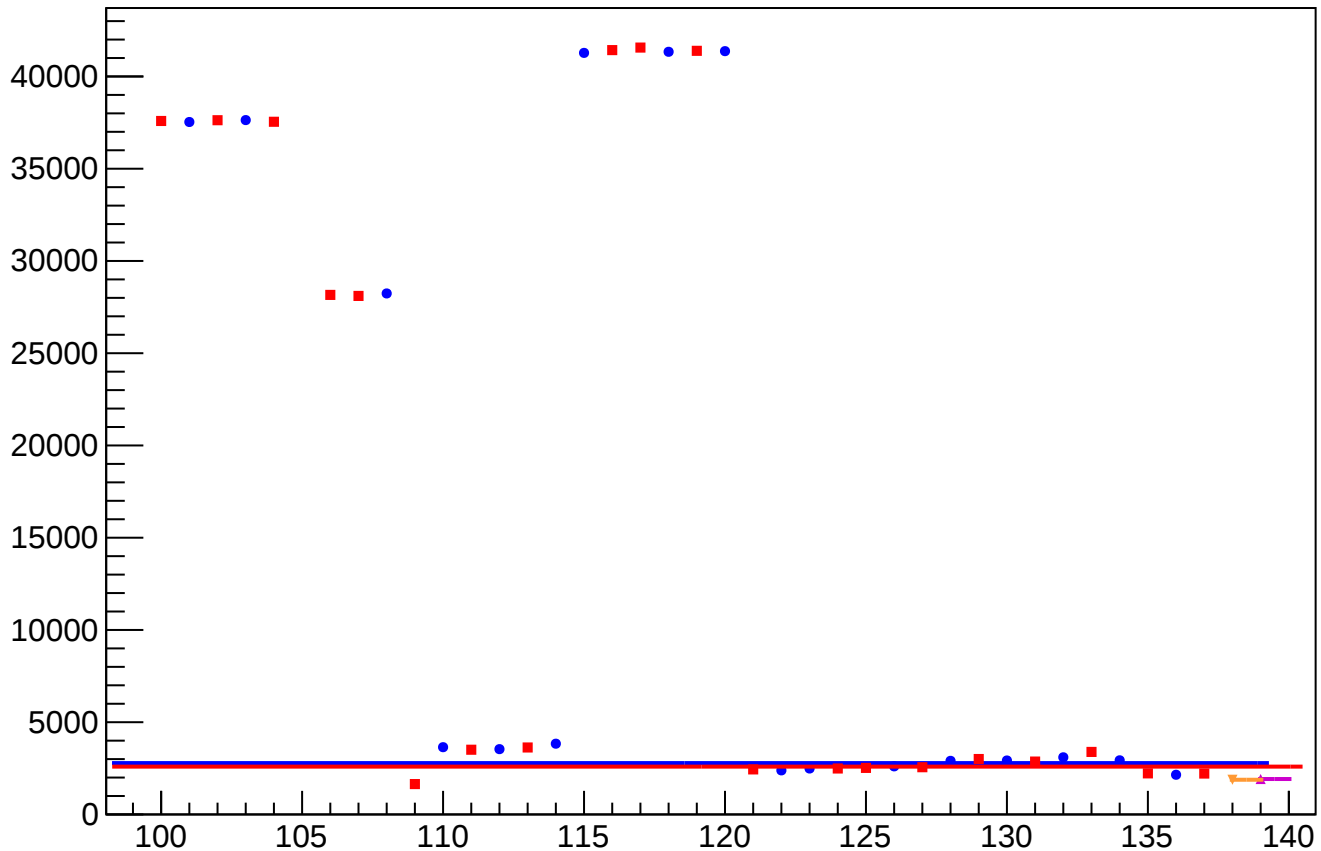
Left In: 4.206+/-2.366 χ^2/NDF : 0.0/0

1.472+/-1.142 χ^2/NDF : 27.6/17

2.118+/-0.790 χ^2/NDF : 45.7/38

2.712+/-1.094 χ^2/NDF : 17.4/20

diff_bpm1p02bY_rms vs Slug, Sign Corrected



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

Left Out: 1881.124+/-1.599 χ^2/NDF : 0.0/0

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

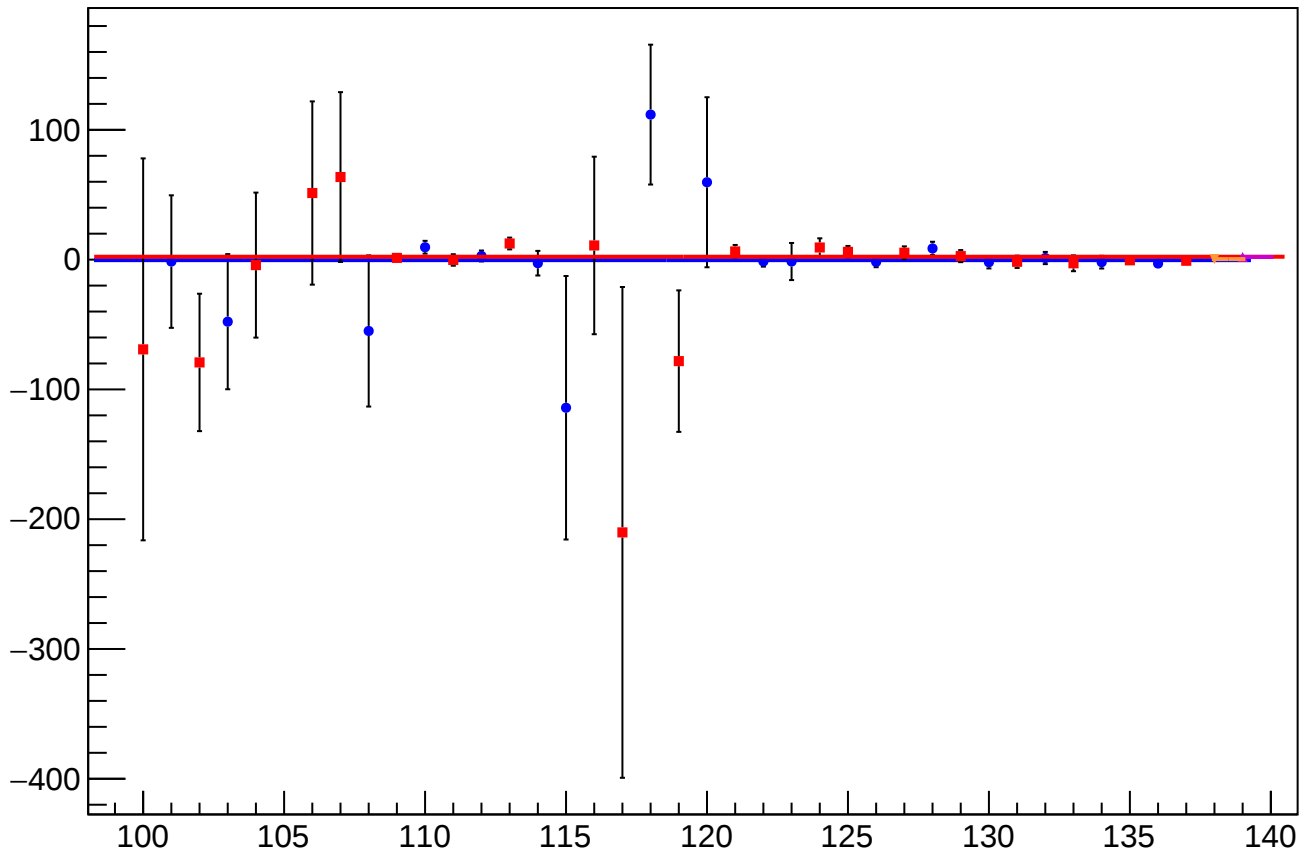
Left In: 1920.907+/-1.673 χ^2/NDF : 0.0/0

2553.751+/-0.808 χ^2/NDF : 4814870.3/17

2499.075+/-0.559 χ^2/NDF : 9873496.1/38

2448.869+/-0.774 χ^2/NDF : 5049833.3/20

diff_bpm1p03aX_mean vs Slug, Sign Corrected



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

Left Out: 0.405 $\pm$ 2.105 χ^2/NDF : 0.0/0

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

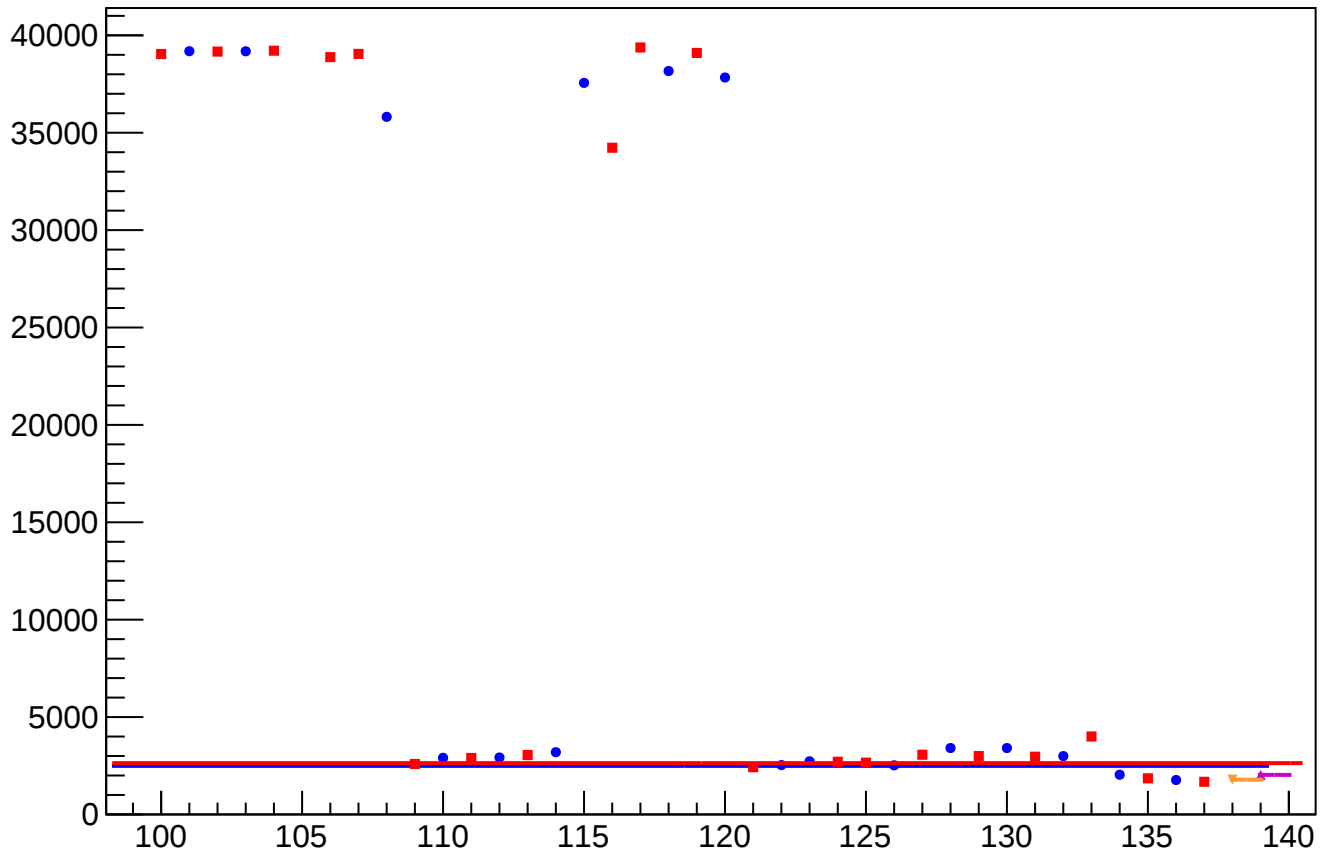
Left In: 2.039 $\pm$ 2.462 χ^2/NDF : 0.0/0

-0.201 $\pm$ 1.054 χ^2/NDF : 18.4/17

0.934 $\pm$ 0.765 χ^2/NDF : 39.5/38

2.195 $\pm$ 1.112 χ^2/NDF : 18.7/20

diff_bpm1p03aX_rms vs Slug, Sign Corrected



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

Left Out: 1785.003+/-1.488 χ^2/NDF : 0.0/0

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

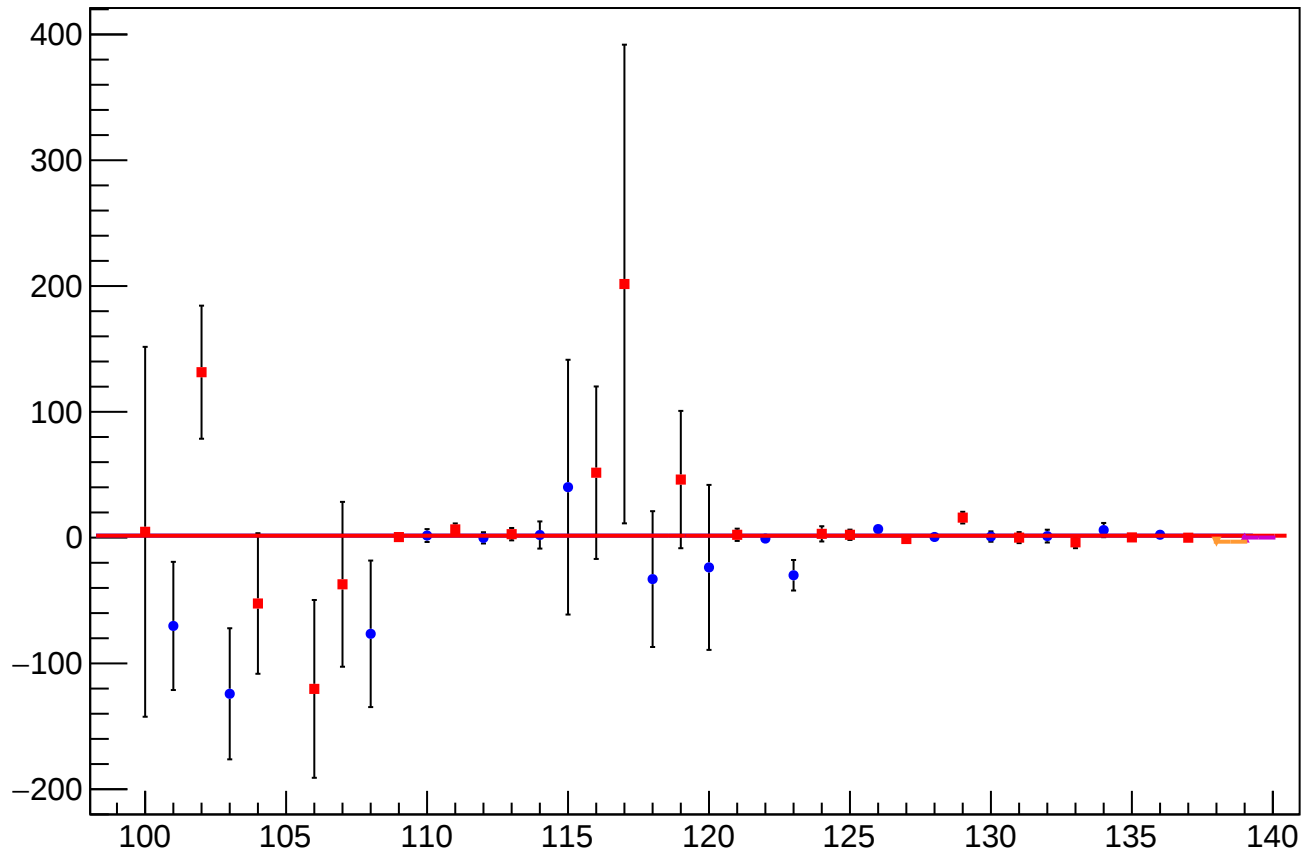
Left In: 2030.648+/-1.741 χ^2/NDF : 0.0/0

2317.357+/-0.745 χ^2/NDF : 5053139.4/17

2409.333+/-0.541 χ^2/NDF : 10117261.5/3

2511.623+/-0.786 χ^2/NDF : 5031959.6/20

diff_bpm1p03aY_mean vs Slug, Sign Corrected



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

Left Out: -3.230 $\pm$ 1.694 χ^2 /NDF: 0.0/0

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

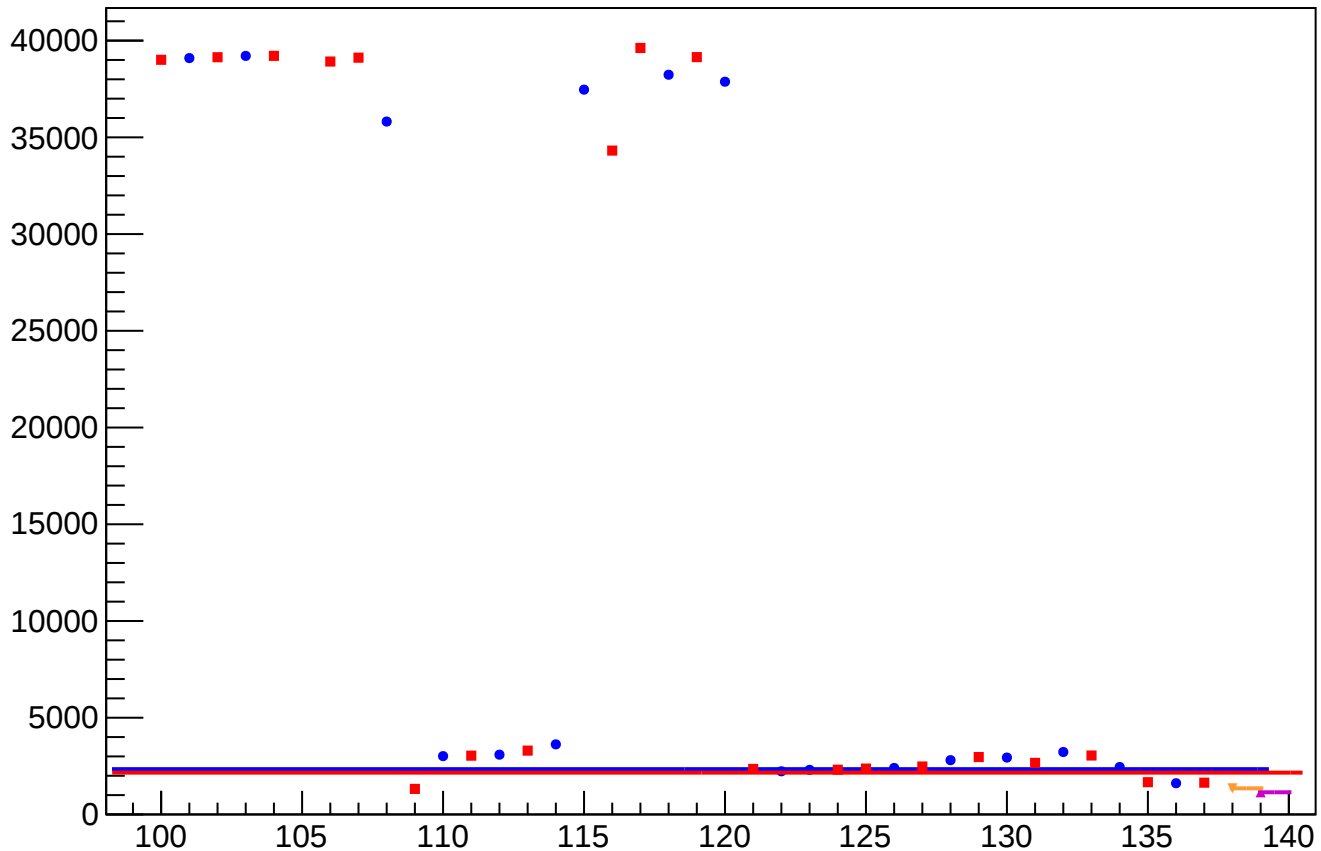
Left In: 0.056 $\pm$ 1.388 χ^2 /NDF: 0.0/0

0.073 $\pm$ 0.947 χ^2 /NDF: 25.9/17

0.582 $\pm$ 0.630 χ^2 /NDF: 53.2/38

0.986 $\pm$ 0.844 χ^2 /NDF: 26.8/20

diff_bpm1p03aY_rms vs Slug, Sign Corrected



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

Left Out: 1350.322+/-1.198 χ^2/NDF : 0.0/0

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

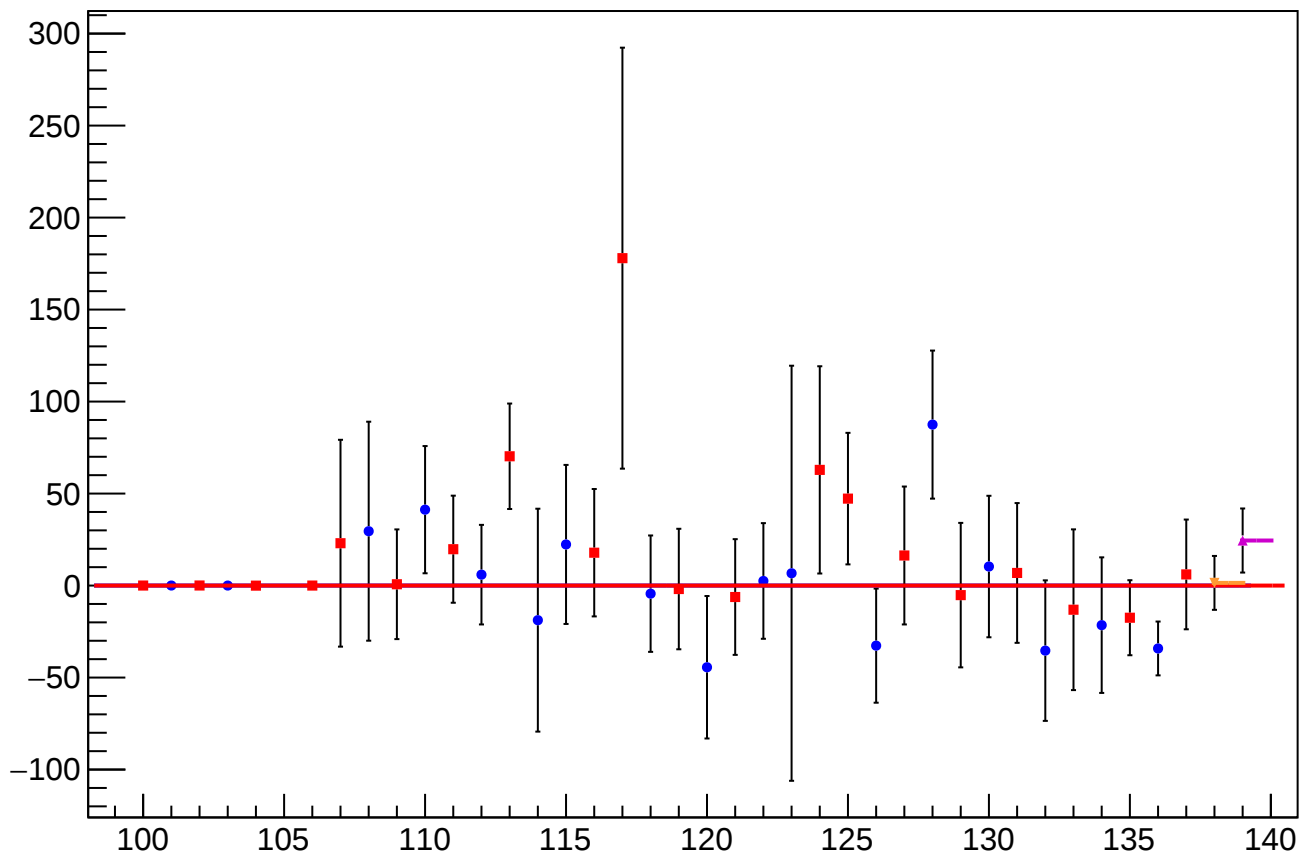
Left In: 1145.495+/-0.982 χ^2/NDF : 0.0/0

2031.182+/-0.670 χ^2/NDF : 5477026.8/17

1894.948+/-0.446 χ^2/NDF : 11604430.6/3

1786.948+/-0.597 χ^2/NDF : 6053273.8/20

diff_cav4bX_mean vs Slug, Sign Corrected



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

Left Out: 1.457+/-14.647 χ^2/NDF : 0.0/0

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

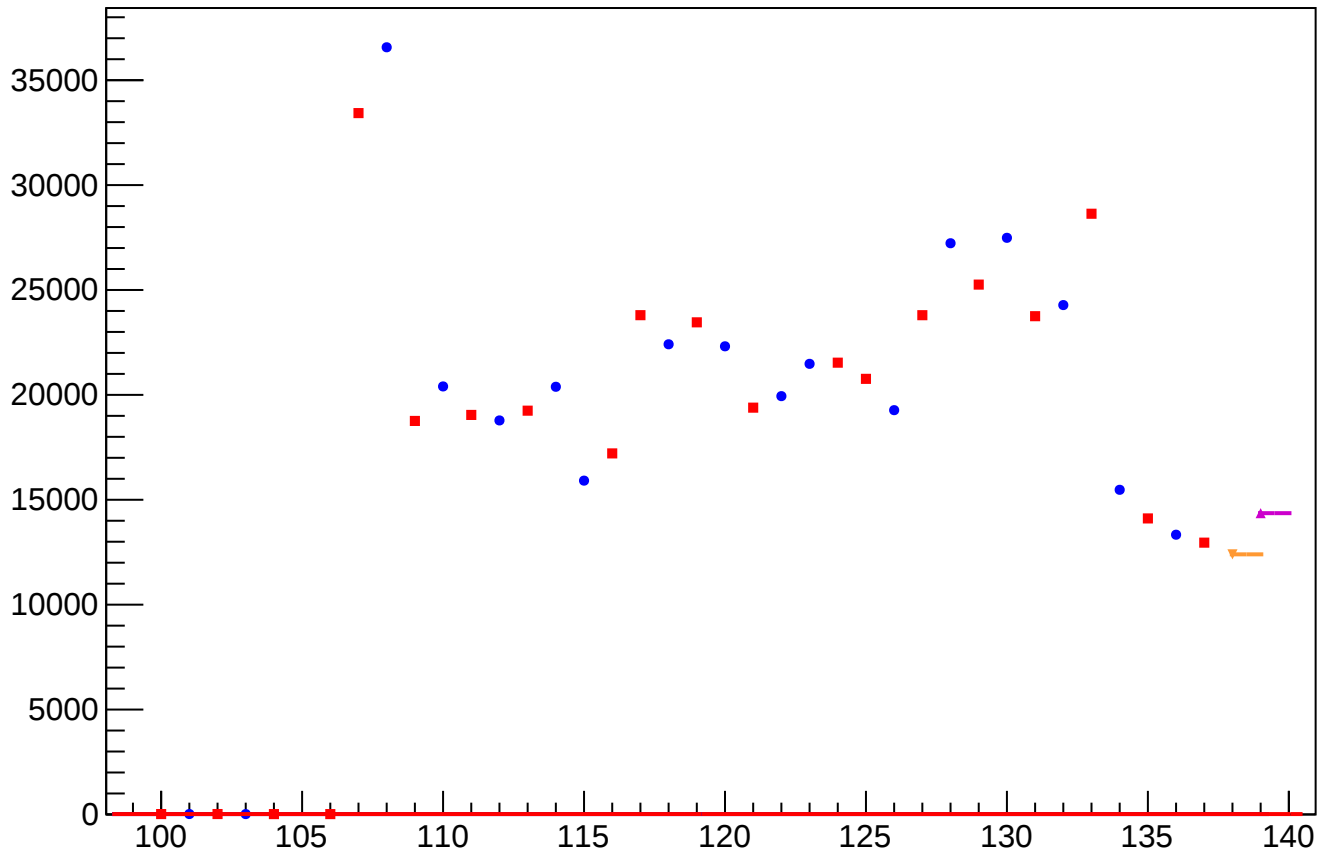
Left In: 24.483+/-17.411 χ^2/NDF : 0.0/0

0.013+/-0.017 χ^2/NDF : 16.2/17

0.004+/-0.012 χ^2/NDF : 36.9/38

-0.003+/-0.016 χ^2/NDF : 20.3/20

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.642 ± 0.012 χ^2/NDF : 10984160.5/16

Left Out: 12398.615 ± 10.357 χ^2/NDF : 0.0/0

Right Out: 18.312 ± 0.011 χ^2/NDF : 11197081.8/19

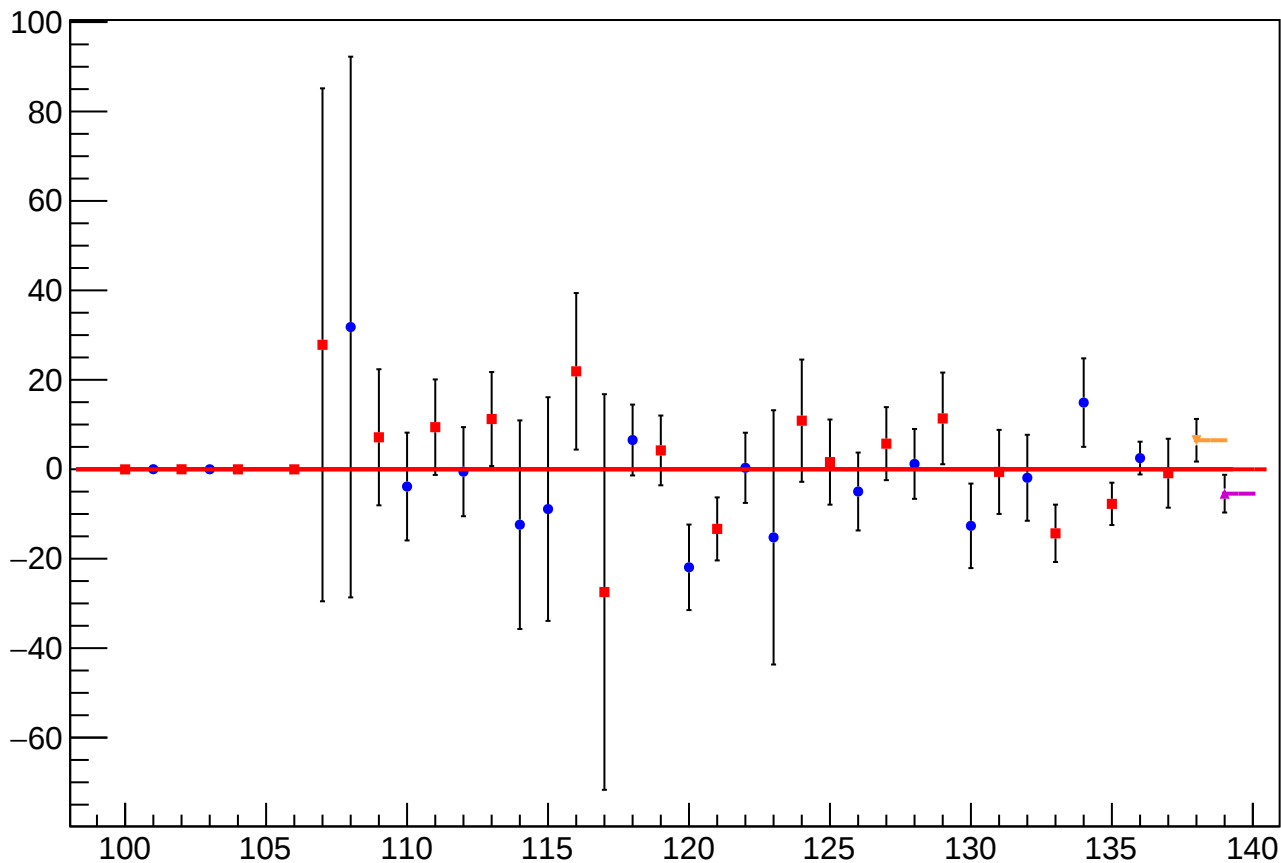
Left In: 14361.708 ± 12.312 χ^2/NDF : 0.0/0

18.659 ± 0.012 χ^2/NDF : 12413011.7/17

18.479 ± 0.008 χ^2/NDF : 24967789.0/38

18.324 ± 0.011 χ^2/NDF : 12554375.9/20

diff_cav4bY_mean vs Slug, Sign Corrected



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

Left Out: 6.486 $\pm$ 4.767 χ^2 /NDF: 0.0/0

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

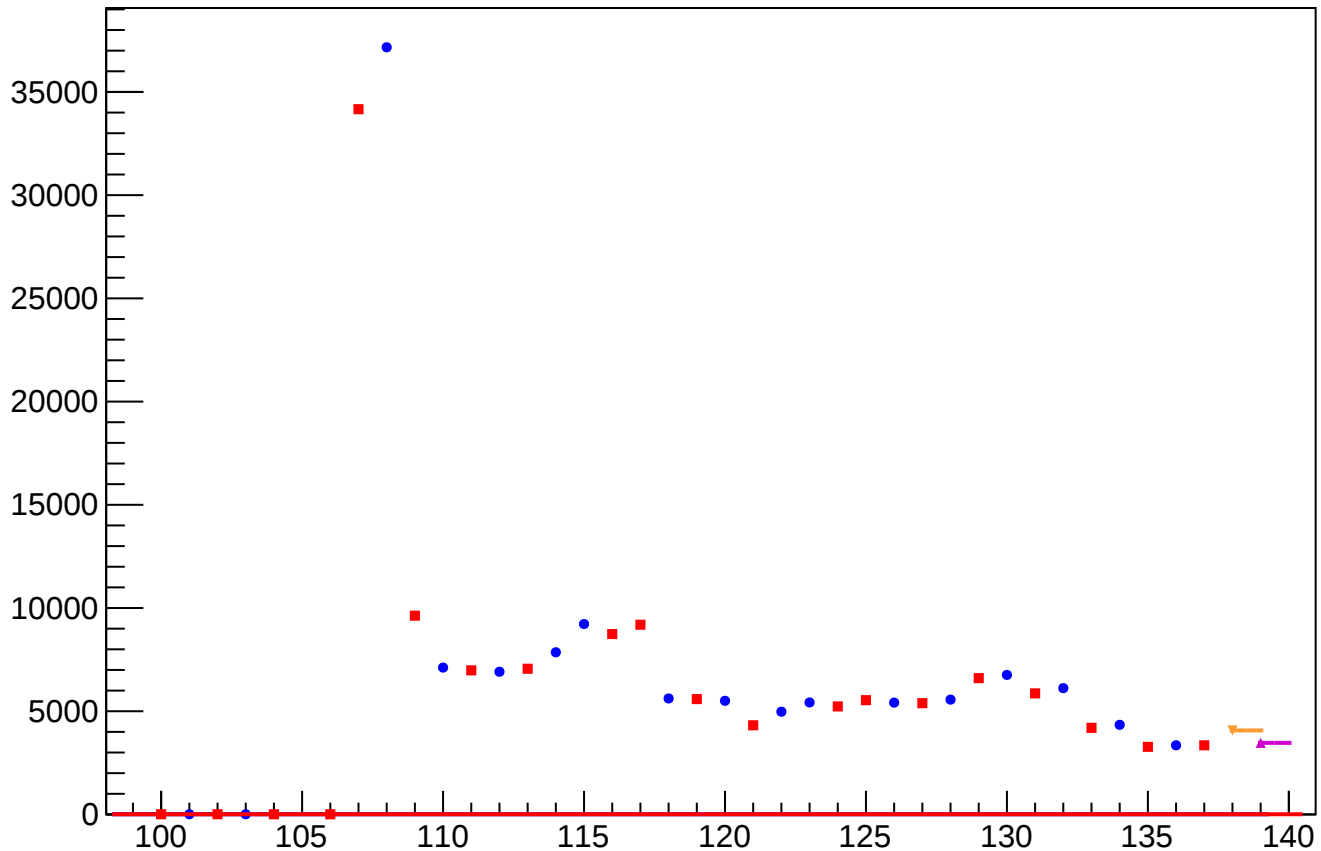
Left In: -5.455 $\pm$ 4.217 χ^2 /NDF: 0.0/0

0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/17

-0.007 $\pm$ 0.006 χ^2 /NDF: 36.9/38

-0.014 $\pm$ 0.009 χ^2 /NDF: 20.6/20

diff_cav4bY_rms vs Slug, Sign Corrected



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

Left Out: 4070.118+/-3.371 χ^2/NDF : 0.0/0

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

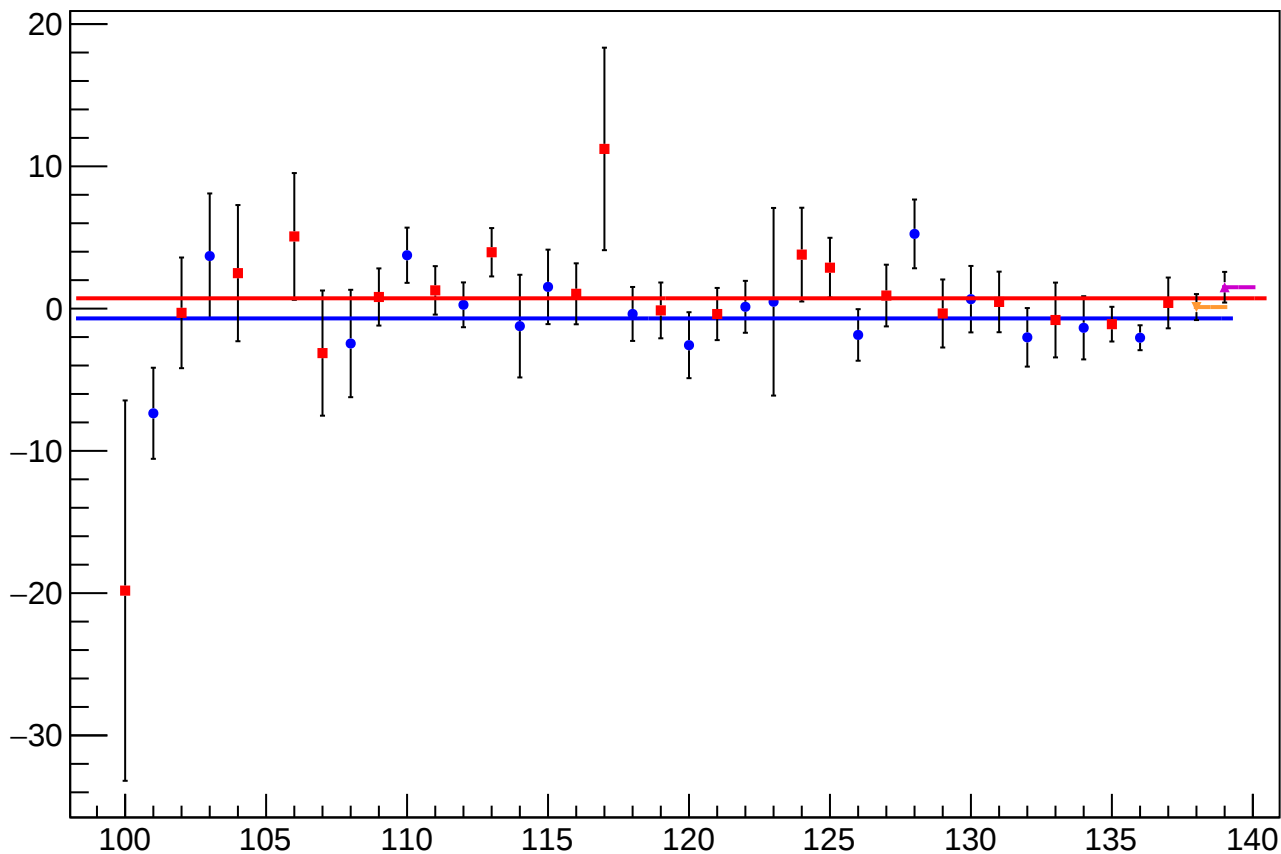
Left In: 3467.912+/-2.982 χ^2/NDF : 0.0/0

9.954+/-0.007 χ^2/NDF : 12565532.8/17

9.909+/-0.004 χ^2/NDF : 25156747.5/38

9.869+/-0.006 χ^2/NDF : 12591124.4/20

diff_cav4cX_mean vs Slug, Sign Corrected



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

Left Out: 0.108 ± 0.913 χ^2/NDF : 0.0/0

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

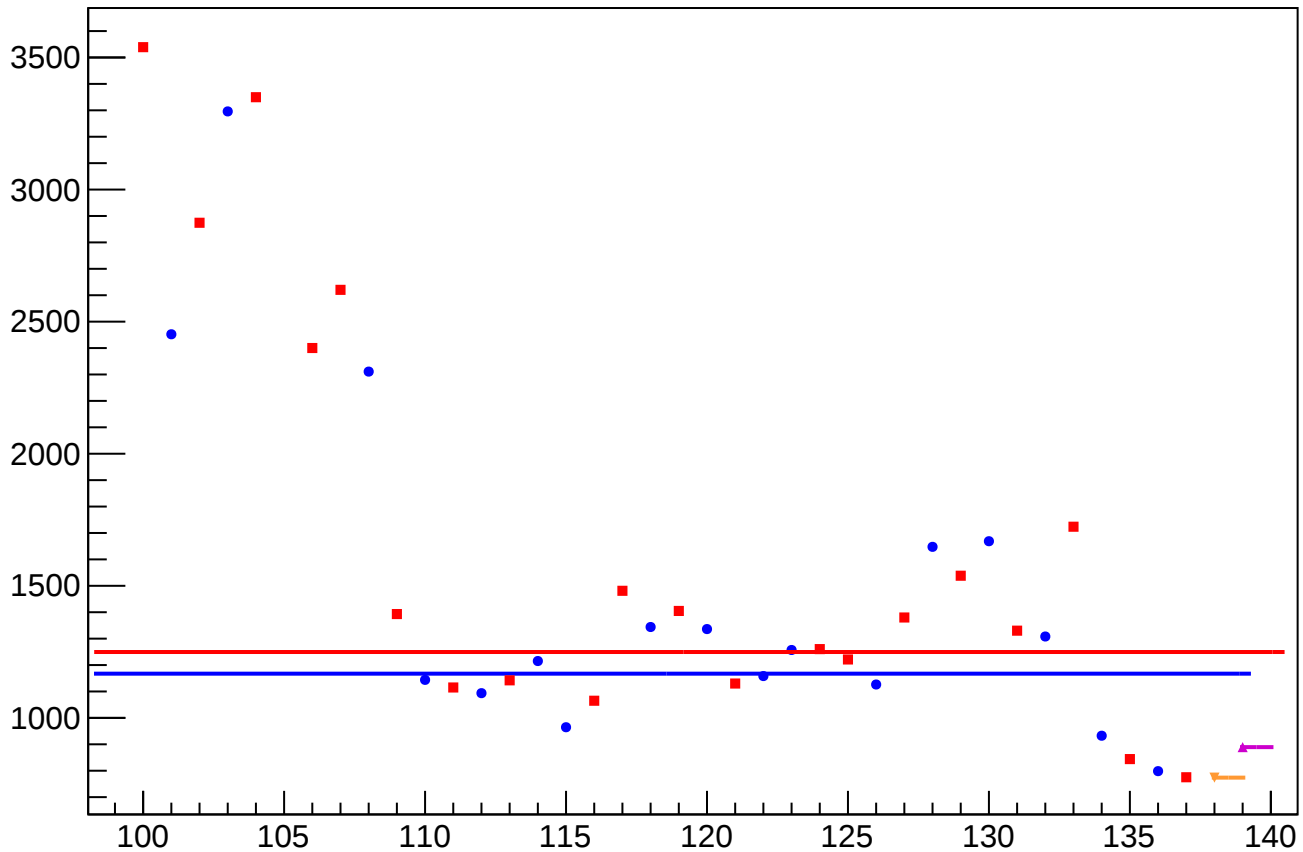
Left In: 1.503 ± 1.078 χ^2/NDF : 0.0/0

-0.515 ± 0.426 χ^2/NDF : 23.1/17

0.132 ± 0.311 χ^2/NDF : 43.9/38

0.862 ± 0.453 χ^2/NDF : 15.9/20

diff_cav4cX_rms vs Slug, Sign Corrected



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

Left Out: 773.848 $\pm$ 0.646 χ^2 /NDF: 0.0/0

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

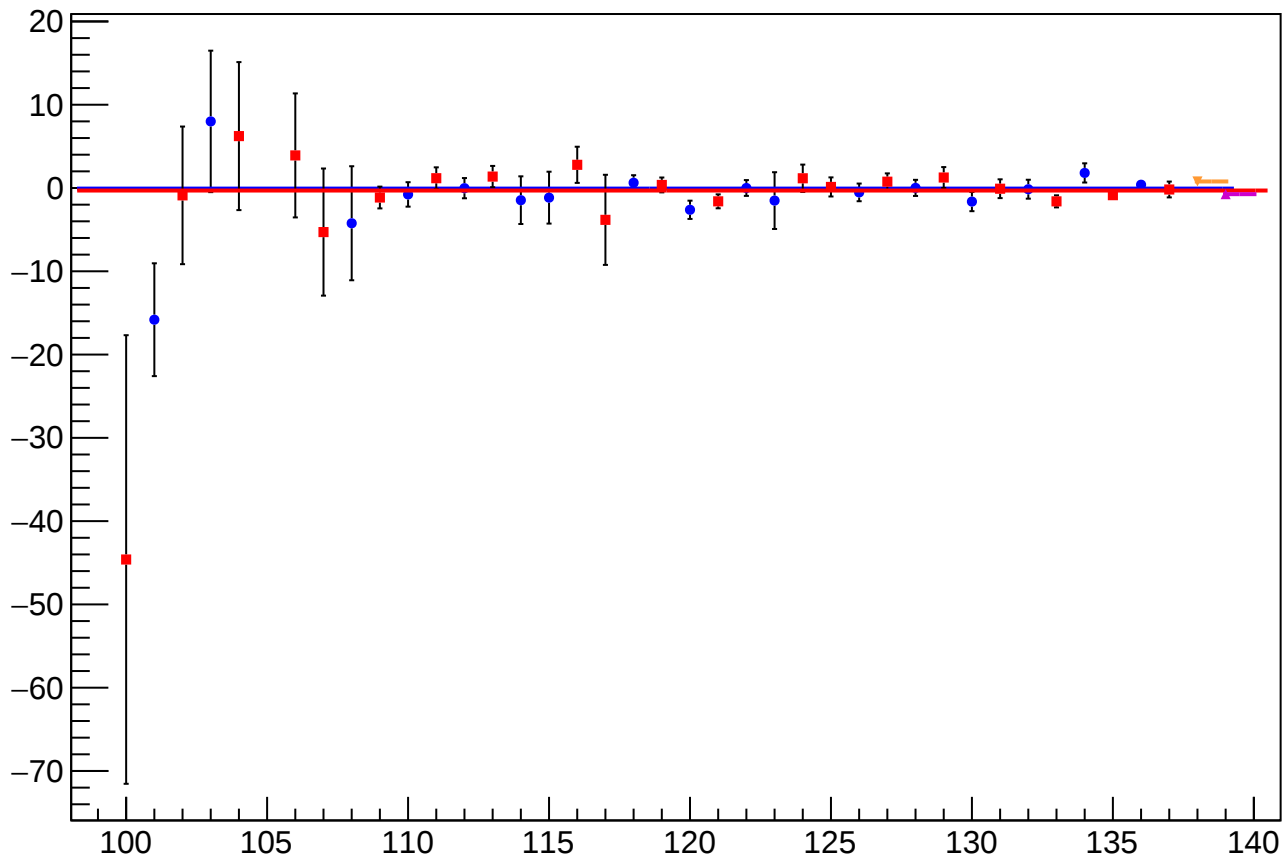
Left In: 889.319 $\pm$ 0.762 χ^2 /NDF: 0.0/0

1081.572 $\pm$ 0.302 χ^2 /NDF: 1868768.3/17

1130.509 $\pm$ 0.220 χ^2 /NDF: 3764664.1/38

1185.771 $\pm$ 0.320 χ^2 /NDF: 1839819.2/20

diff_cav4cY_mean vs Slug, Sign Corrected



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

Left Out: 0.785 ± 0.585 χ^2/NDF : 0.0/0

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

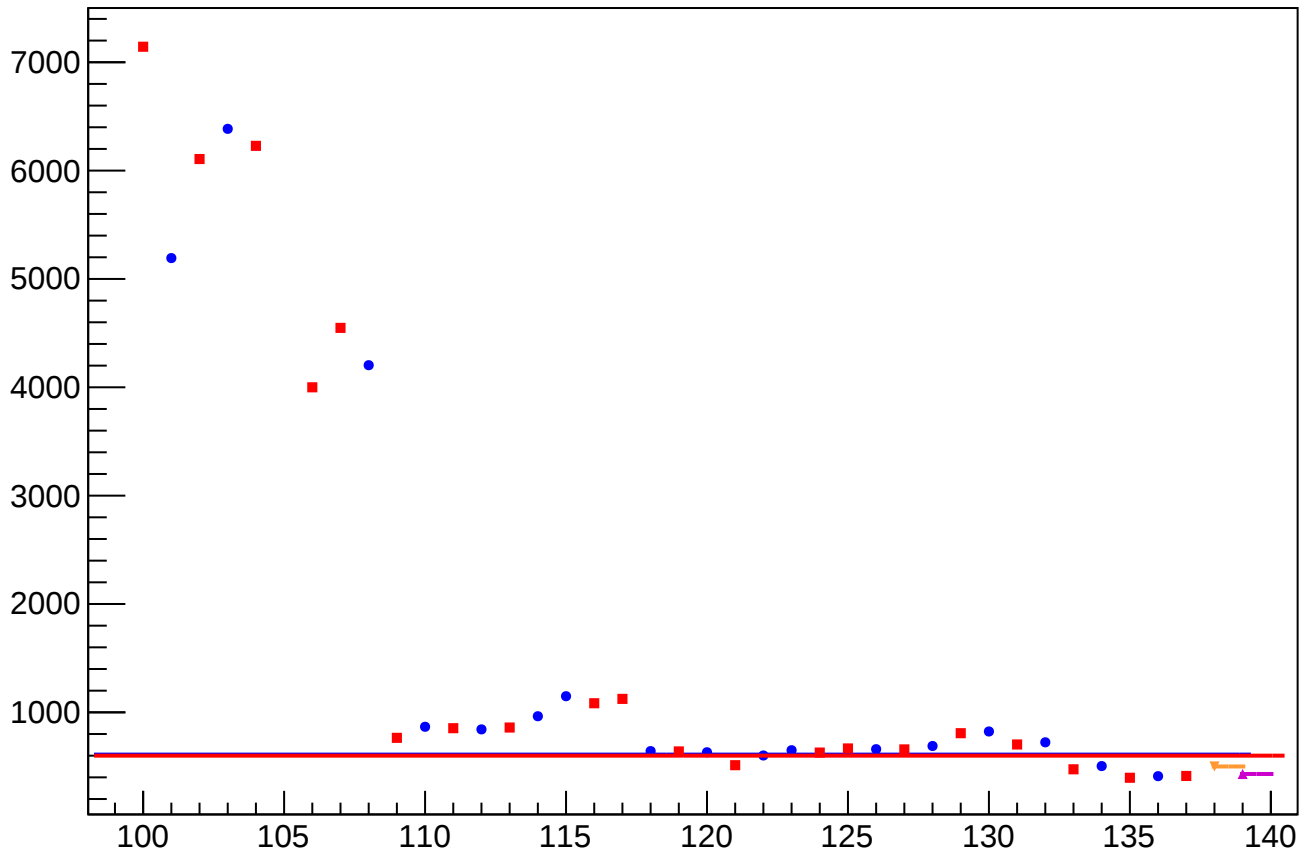
Left In: -0.739 ± 0.525 χ^2/NDF : 0.0/0

0.077 ± 0.244 χ^2/NDF : 21.0/17

-0.165 ± 0.169 χ^2/NDF : 44.1/38

-0.391 ± 0.236 χ^2/NDF : 21.2/20

diff_cav4cY_rms vs Slug, Sign Corrected



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

Left Out: 500.395 $\pm$ 0.414 χ^2 /NDF: 0.0/0

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

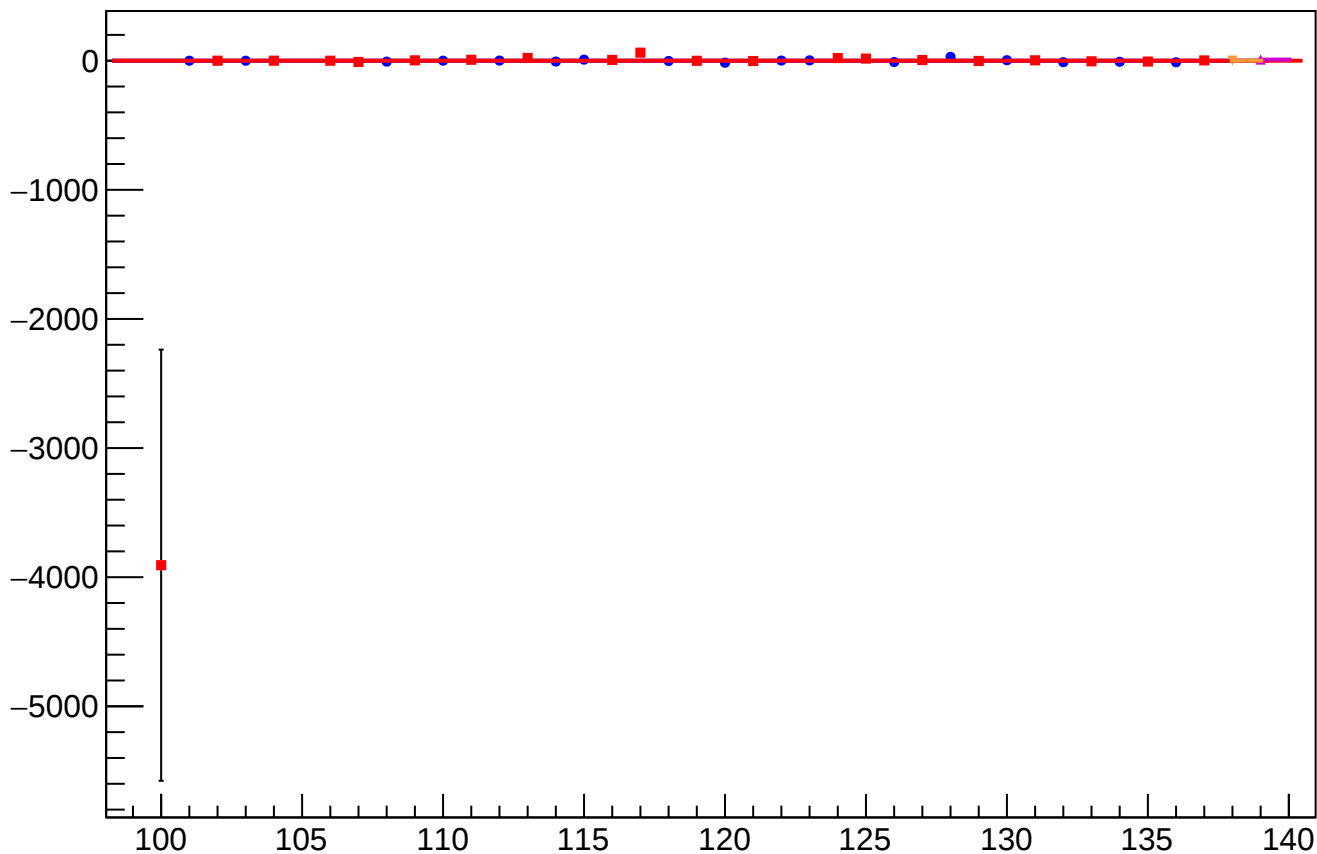
Left In: 431.084 $\pm$ 0.371 χ^2 /NDF: 0.0/0

590.732 $\pm$ 0.173 χ^2 /NDF: 3193744.4/17

578.005 $\pm$ 0.120 χ^2 /NDF: 6941541.2/38

566.155 $\pm$ 0.167 χ^2 /NDF: 3737295.7/20

diff_cav4dX_mean vs Slug, Sign Corrected



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

Left Out: 0.679 $\pm$ 5.250 χ^2 /NDF:0.0/0

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

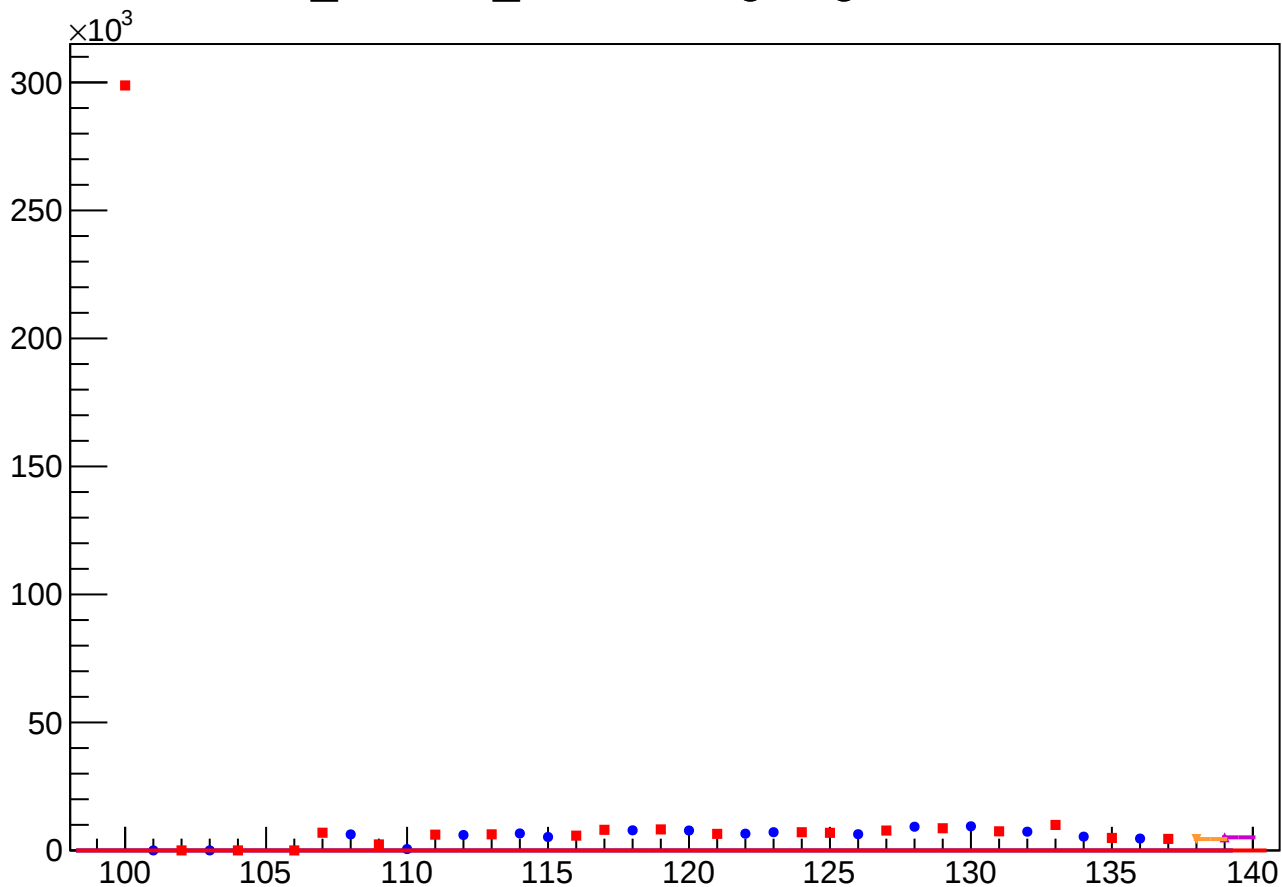
Left In: 8.662 $\pm$ 6.207 χ^2 /NDF:0.0/0

-0.022 $\pm$ 0.021 χ^2 /NDF: 15.6/17

0.004 $\pm$ 0.014 χ^2 /NDF: 40.9/38

0.027 $\pm$ 0.020 χ^2 /NDF: 22.4/20

diff_cav4dX_rms vs Slug, Sign Corrected



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

Left Out: 4448.545+/-3.713 χ^2/NDF : 0.0/0

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

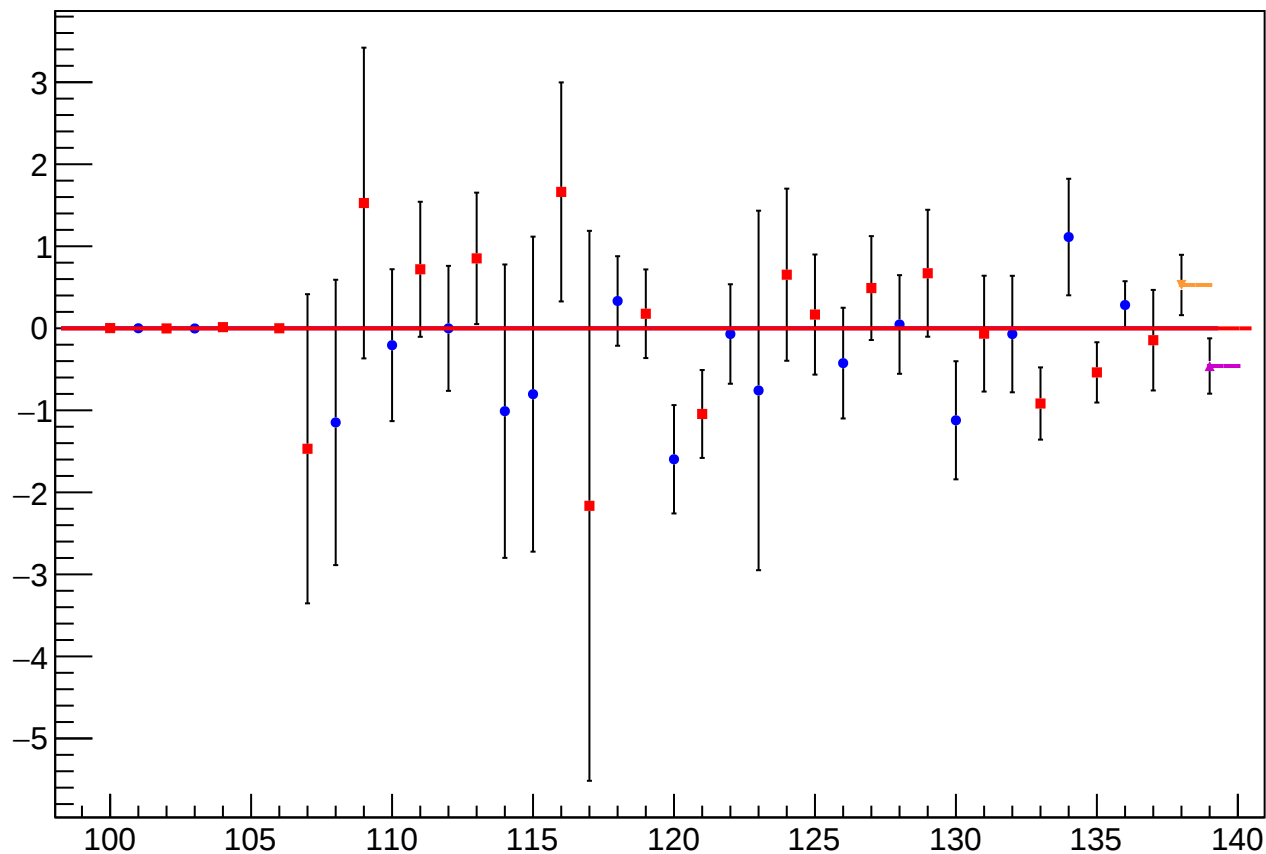
Left In: 5120.235+/-4.389 χ^2/NDF : 0.0/0

17.410+/-0.015 χ^2/NDF : 11925997.5/17

17.364+/-0.010 χ^2/NDF : 24184587.5/38

17.323+/-0.014 χ^2/NDF : 12258571.4/20

diff_cav4dY_mean vs Slug, Sign Corrected



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

Left Out: 0.528 $\pm$ 0.368 χ^2 /NDF: 0.0/0

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

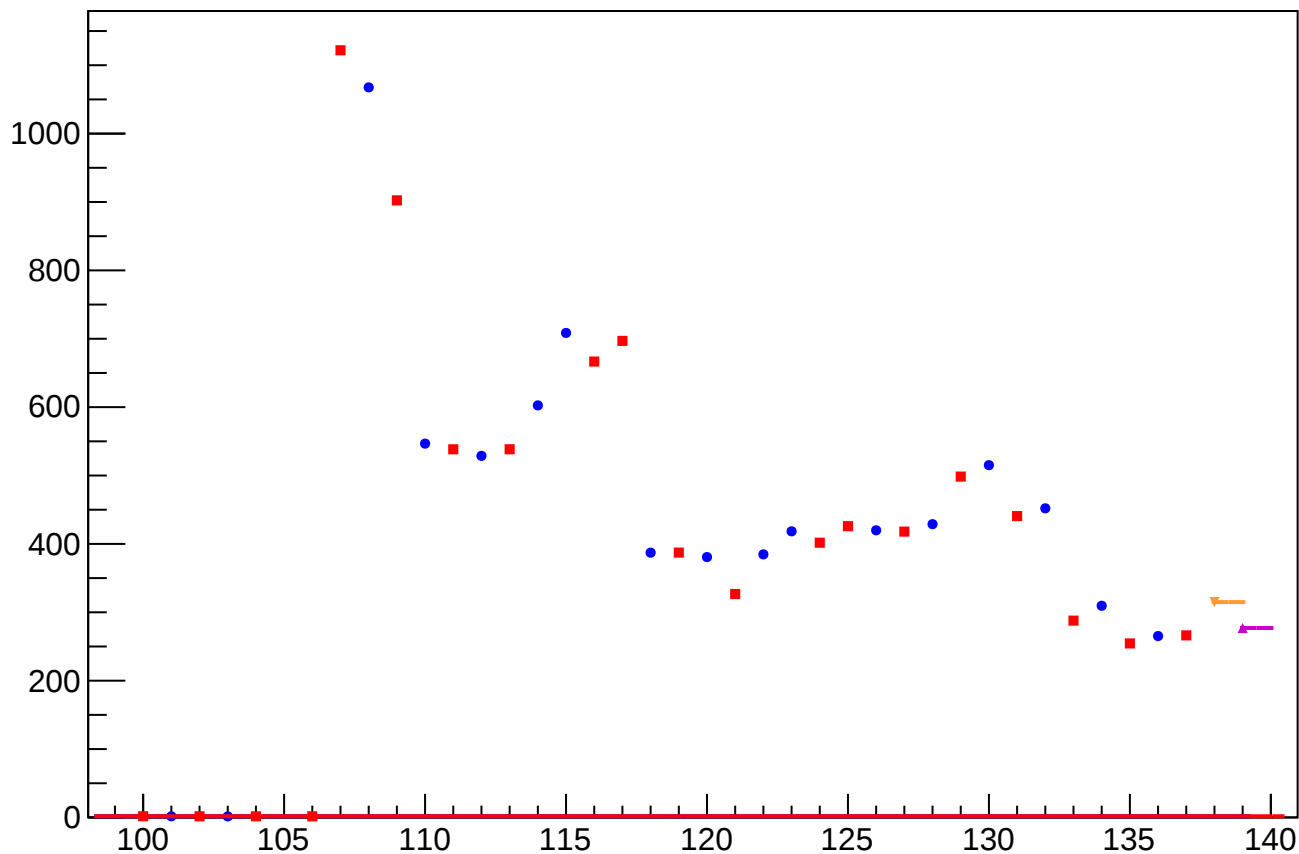
Left In: -0.460 $\pm$ 0.337 χ^2 /NDF: 0.0/0

0.000 $\pm$ 0.002 χ^2 /NDF: 15.8/17

-0.000 $\pm$ 0.001 χ^2 /NDF: 36.2/38

-0.001 $\pm$ 0.002 χ^2 /NDF: 20.2/20

diff_cav4dY_rms vs Slug, Sign Corrected



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

Left Out: 314.952 $\pm$ 0.260 χ^2 /NDF: 0.0/0

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

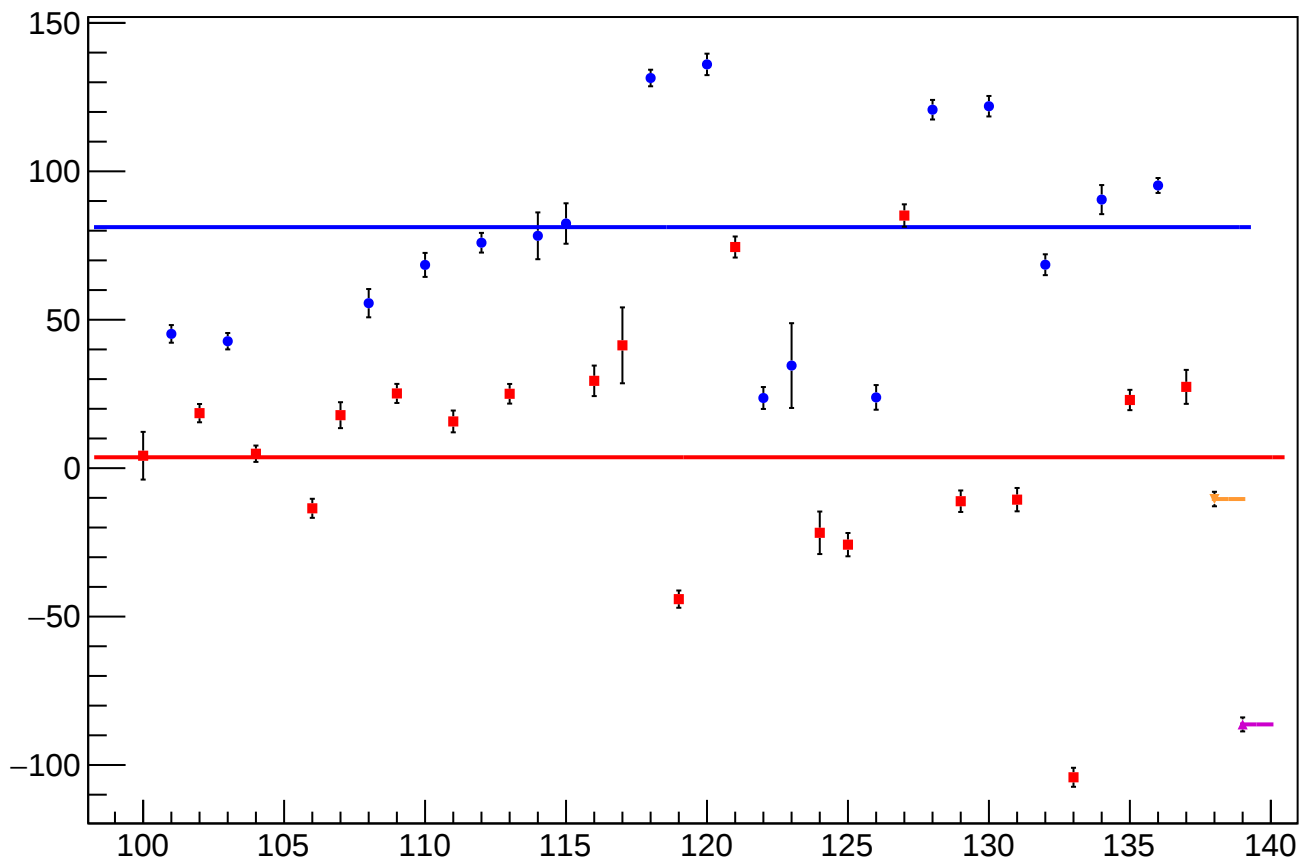
Left In: 277.049 $\pm$ 0.239 χ^2 /NDF: 0.0/0

1.709 $\pm$ 0.001 χ^2 /NDF: 12503692.8/17

1.724 $\pm$ 0.001 χ^2 /NDF: 24666308.5/38

1.738 $\pm$ 0.001 χ^2 /NDF: 12162401.1/20

diff_bpm0i01X_mean vs Slug, Sign Corrected



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

Left Out: -10.401 $\pm$ 2.441 χ^2 /NDF: 0.0/0

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

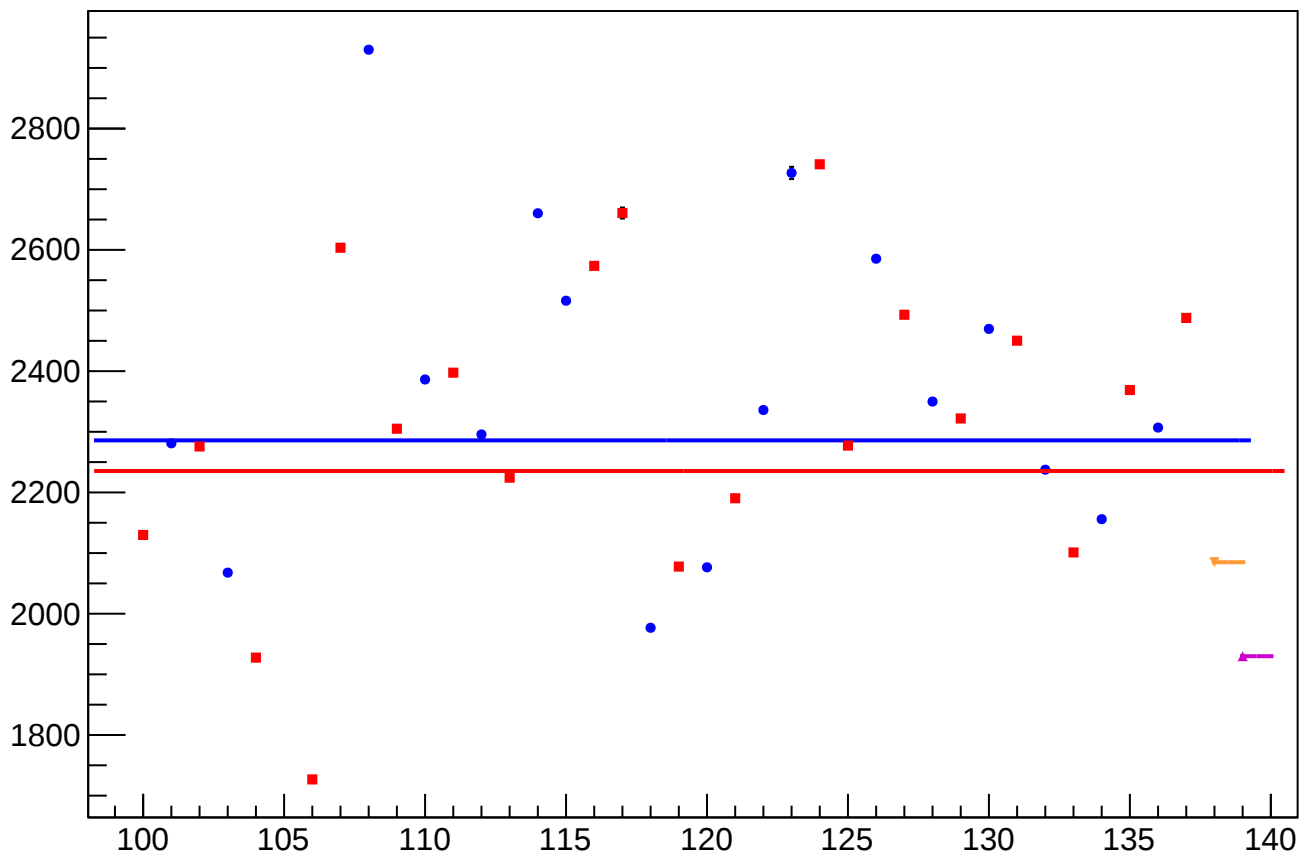
Left In: -86.325 $\pm$ 2.360 χ^2 /NDF: 0.0/0

70.546 $\pm$ 0.833 χ^2 /NDF: 2954.1/17

30.115 $\pm$ 0.574 χ^2 /NDF: 11344.1/38

-6.464 $\pm$ 0.792 χ^2 /NDF: 3898.5/20

diff_bpm0i01X_rms vs Slug, Sign Corrected



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

Left Out: 2084.908 $\pm$ 1.726 χ^2 /NDF: 0.0/0

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

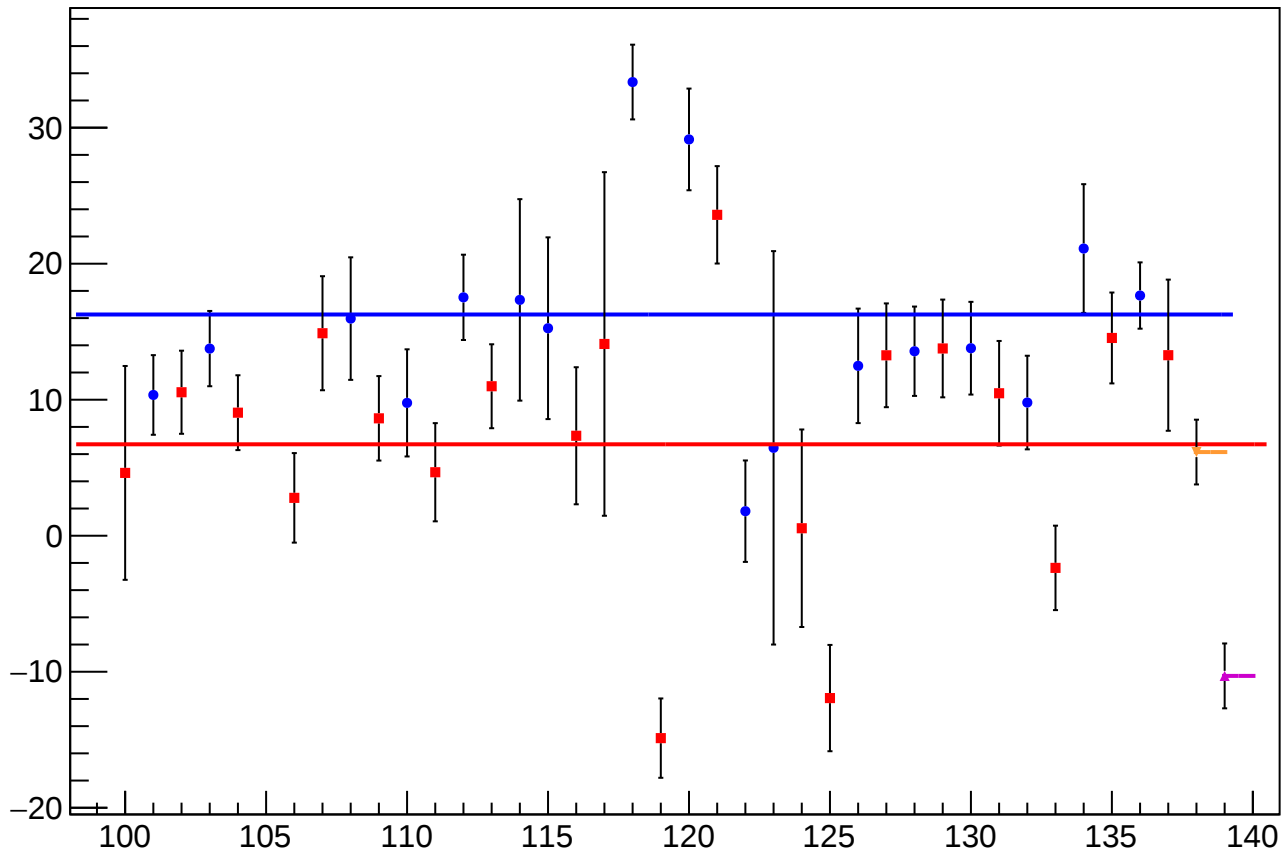
Left In: 1929.930 $\pm$ 1.669 χ^2 /NDF: 0.0/0

2262.481 $\pm$ 0.589 χ^2 /NDF: 121312.0/17

2230.198 $\pm$ 0.406 χ^2 /NDF: 305850.1/38

2200.990 $\pm$ 0.560 χ^2 /NDF: 178810.8/20

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.265+/-0.872 χ^2/NDF : 80.8/16

Left Out: 6.151+/-2.381 χ^2/NDF : 0.0/0

Right Out: 6.722+/-0.829 χ^2/NDF : 134.3/19

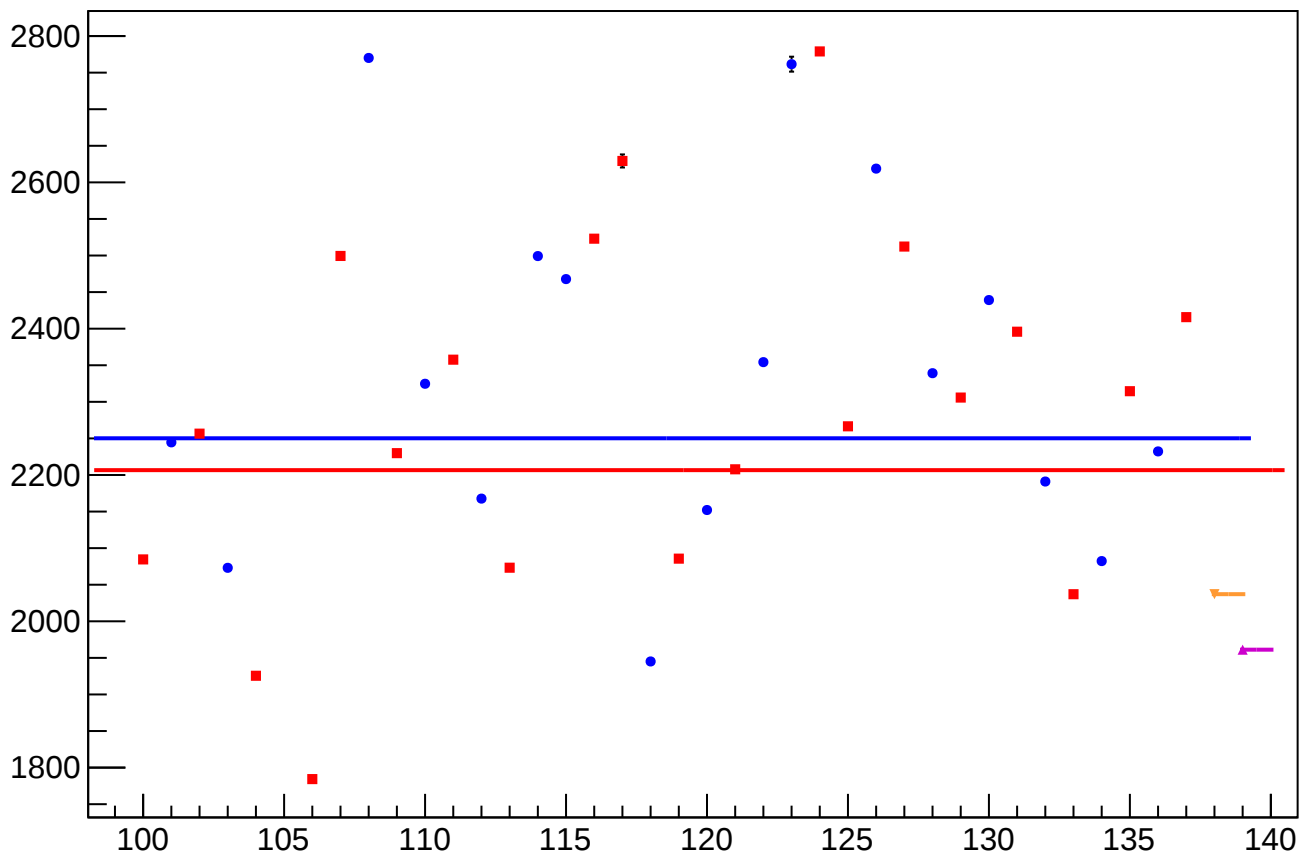
Left In: -10.306+/-2.385 χ^2/NDF : 0.0/0

15.070+/-0.818 χ^2/NDF : 96.7/17

9.754+/-0.566 χ^2/NDF : 357.3/38

4.887+/-0.783 χ^2/NDF : 179.8/20

diff_bpm0i01Y_rms vs Slug, Sign Corrected



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

Left Out: 2037.084+/-1.684 χ^2/NDF : 0.0/0

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

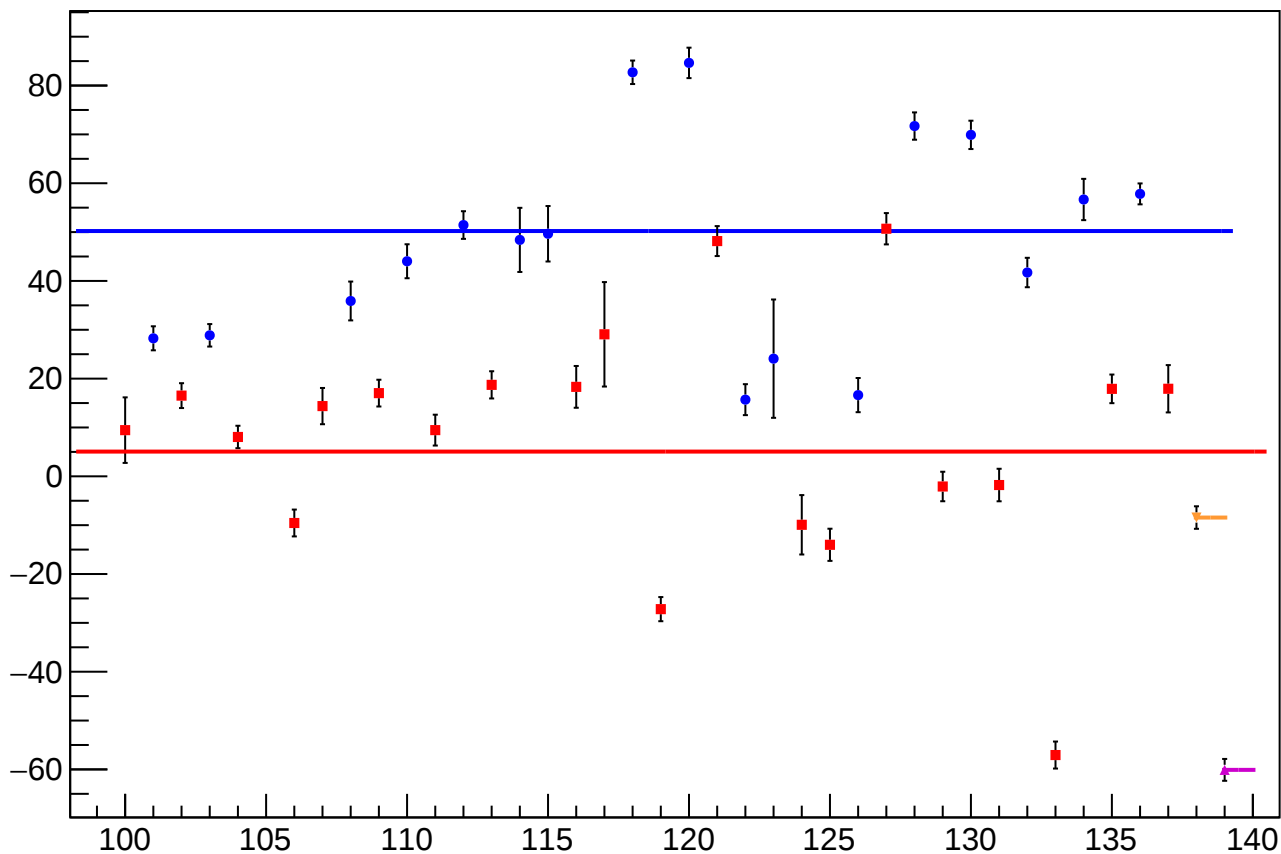
Left In: 1961.207+/-1.686 χ^2/NDF : 0.0/0

2225.002+/-0.579 χ^2/NDF : 111703.3/17

2201.594+/-0.400 χ^2/NDF : 262206.1/38

2180.166+/-0.554 χ^2/NDF : 147368.9/20

diff_bpm0i01aX_mean vs Slug, Sign Corrected



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

Left Out: -8.440+/-2.305 χ^2/NDF : 0.0/0

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

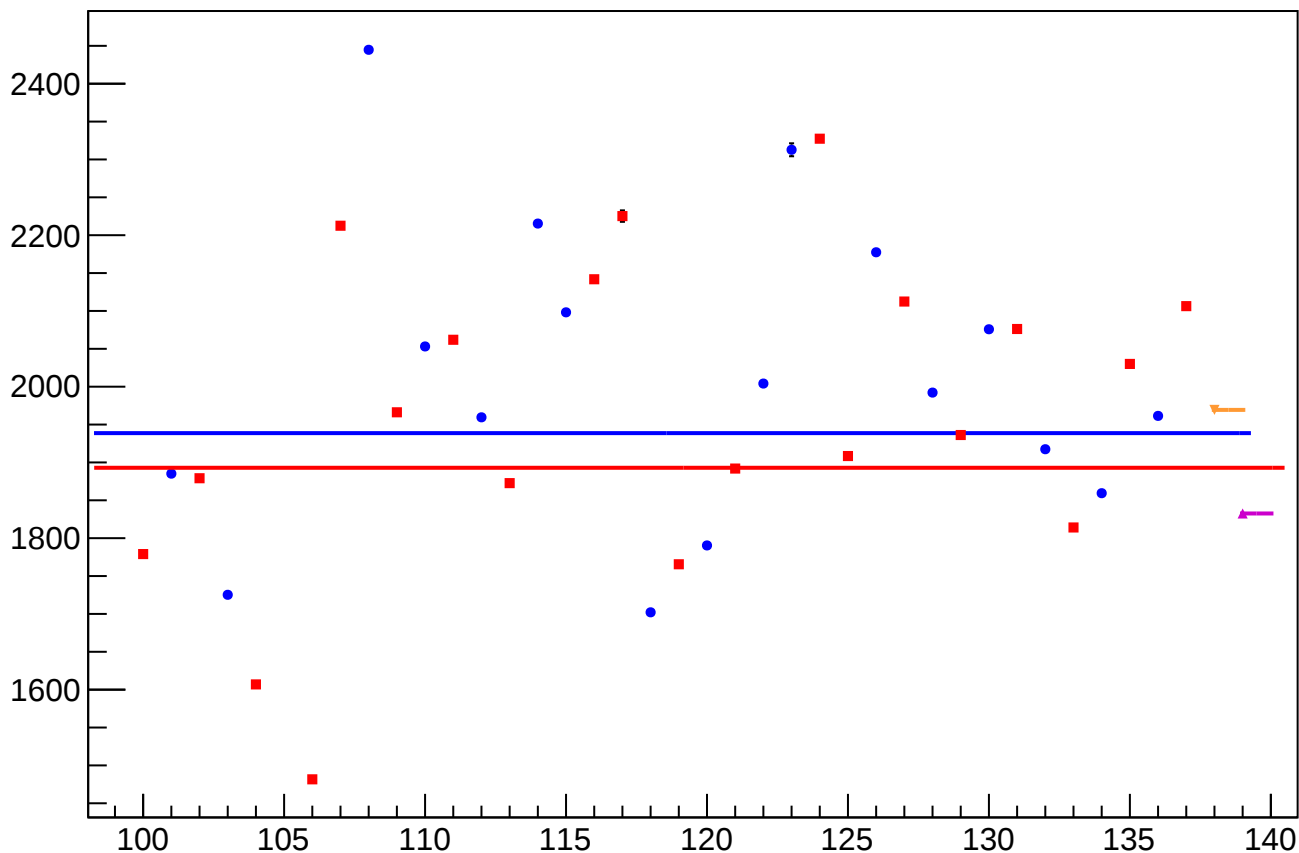
Left In: -60.094+/-2.238 χ^2/NDF : 0.0/0

44.589+/-0.714 χ^2/NDF : 1415.7/17

20.672+/-0.492 χ^2/NDF : 5589.5/38

-0.923+/-0.678 χ^2/NDF : 2037.7/20

diff_bpm0i01aX_rms vs Slug, Sign Corrected



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

Left Out: 1969.362+/-1.630 χ^2 /NDF: 0.0/0

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

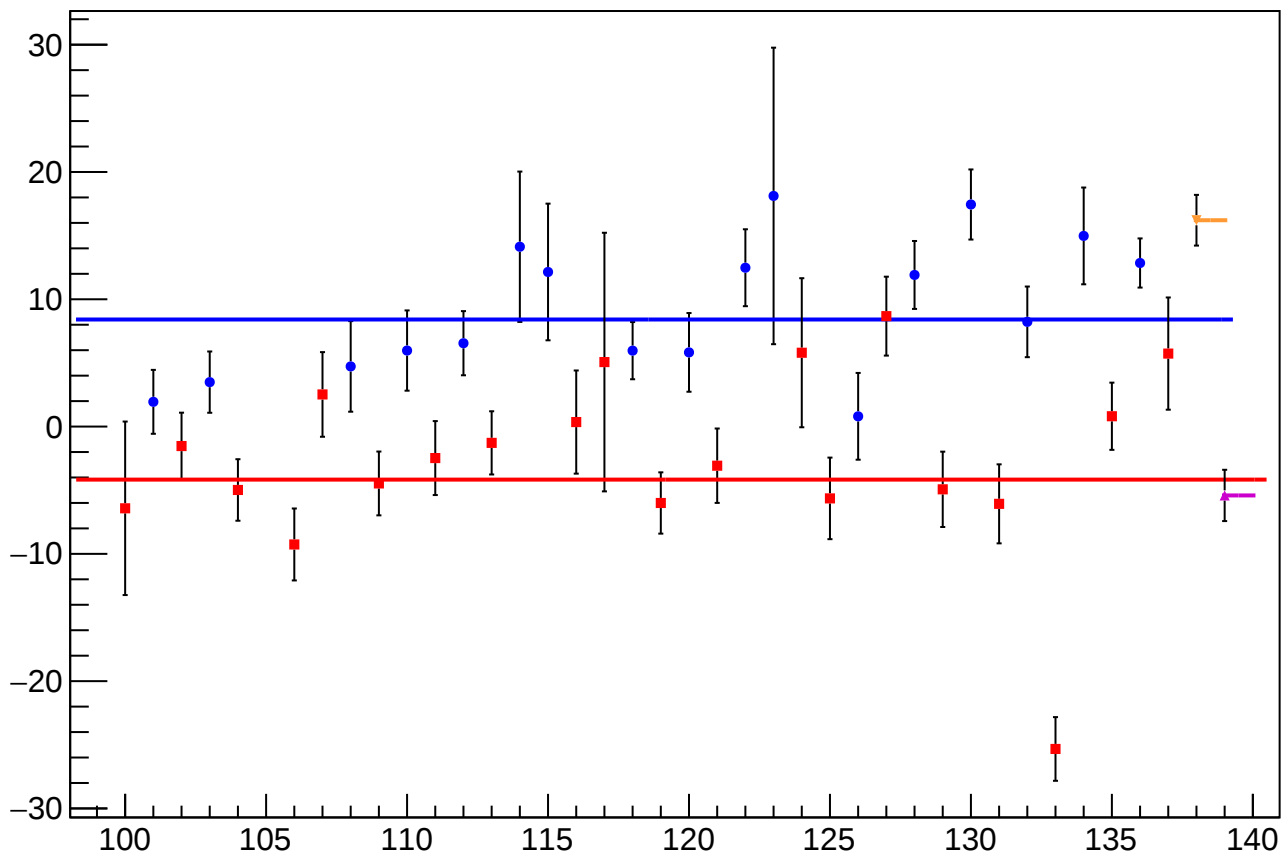
Left In: 1832.599+/-1.582 χ^2 /NDF: 0.0/0

1941.630+/-0.505 χ^2 /NDF: 100463.3/17

1913.131+/-0.348 χ^2 /NDF: 256413.1/38

1887.400+/-0.480 χ^2 /NDF: 149884.3/20

diff_bpm0i01aY_mean vs Slug, Sign Corrected



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

Left Out: 16.210 $\pm$ 1.992 χ^2 /NDF: 0.0/0

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

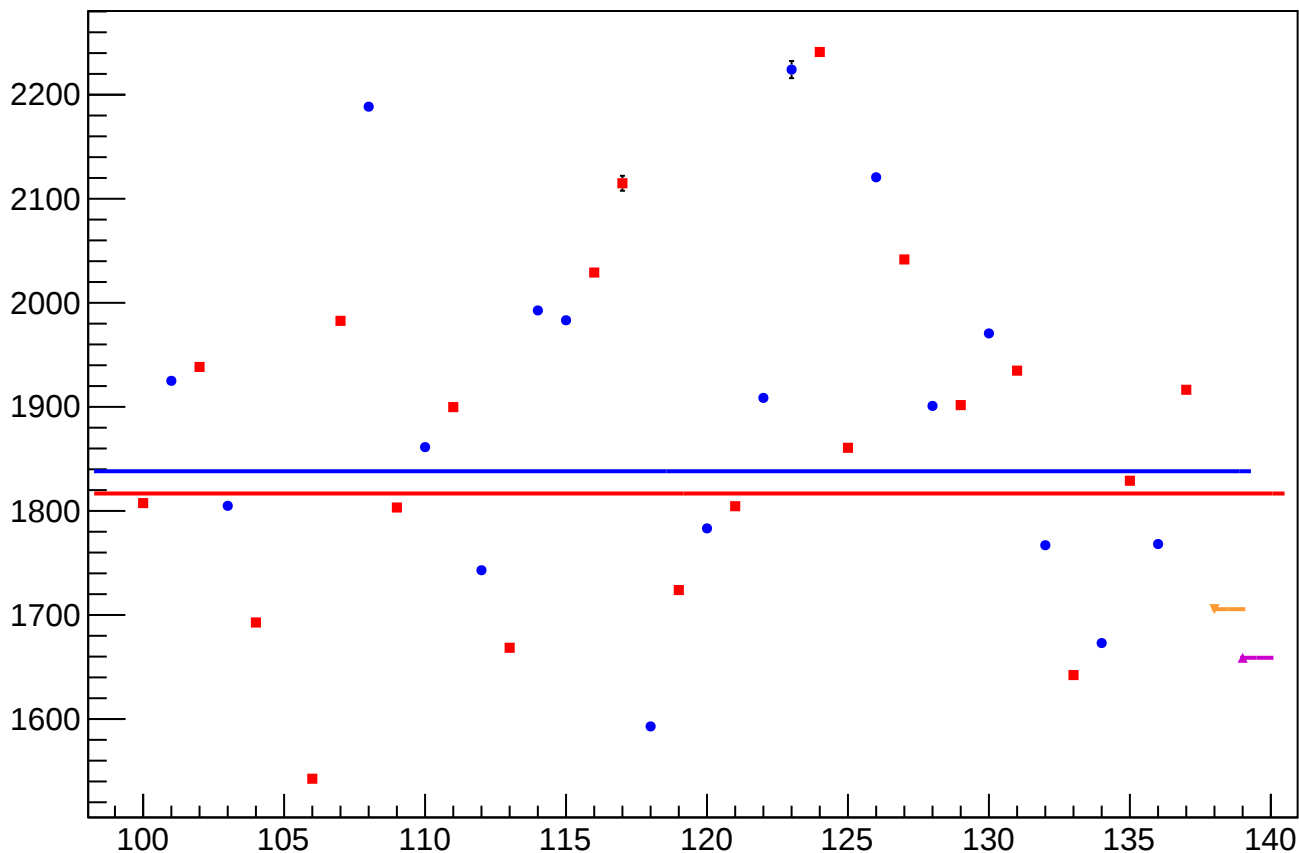
Left In: -5.410 $\pm$ 2.015 χ^2 /NDF: 0.0/0

9.293 $\pm$ 0.670 χ^2 /NDF: 58.2/17

2.243 $\pm$ 0.465 χ^2 /NDF: 385.9/38

-4.294 $\pm$ 0.645 χ^2 /NDF: 114.2/20

diff_bpm0i01aY_rms vs Slug, Sign Corrected



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

Left Out: 1705.599 $\pm$ 1.409 χ^2 /NDF: 0.0/0

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

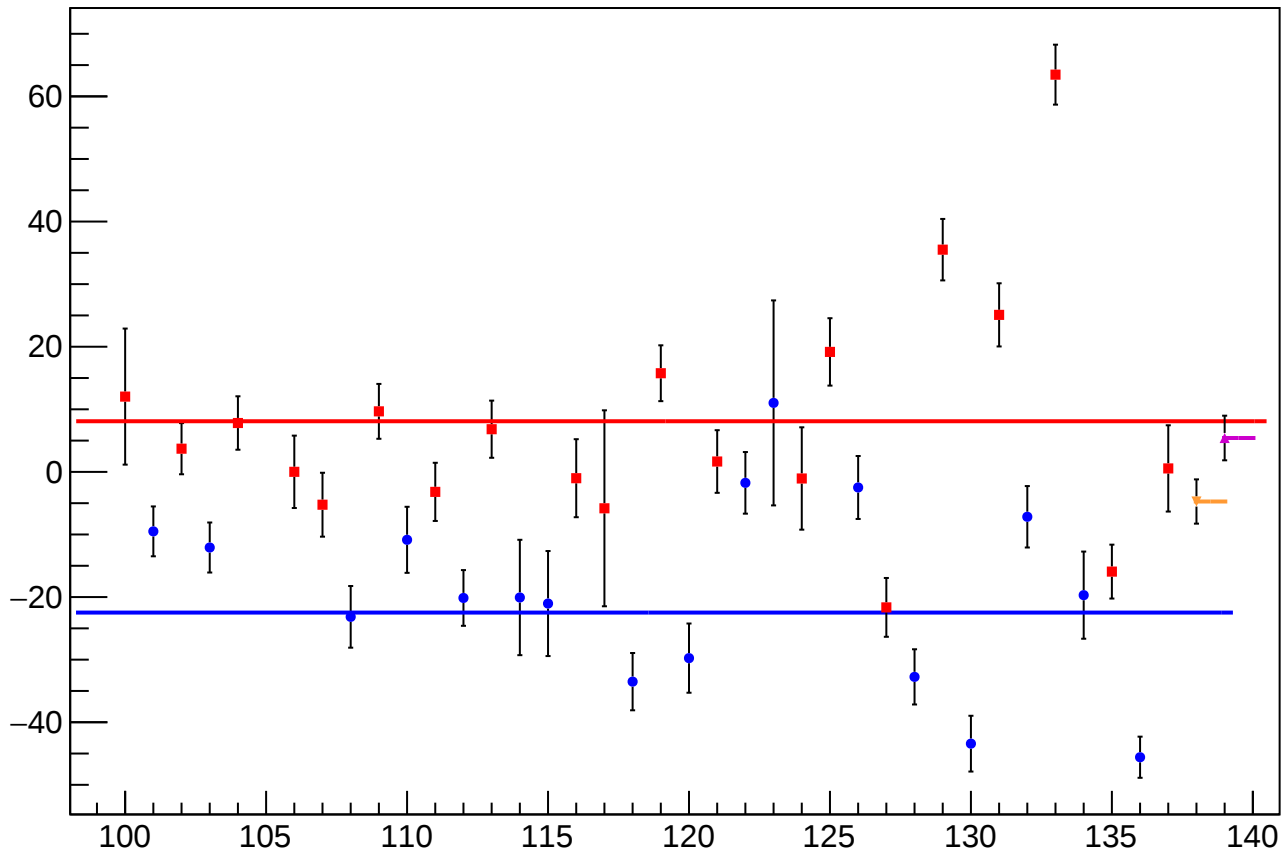
Left In: 1658.884 $\pm$ 1.424 χ^2 /NDF: 0.0/0

1823.157 $\pm$ 0.474 χ^2 /NDF: 90732.6/17

1811.434 $\pm$ 0.329 χ^2 /NDF: 192085.6/38

1800.564 $\pm$ 0.456 χ^2 /NDF: 100172.4/20

diff_bpm0l01X_mean vs Slug, Sign Corrected



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

Left Out: -4.731 ± 3.537 χ^2/NDF : 0.0/0

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

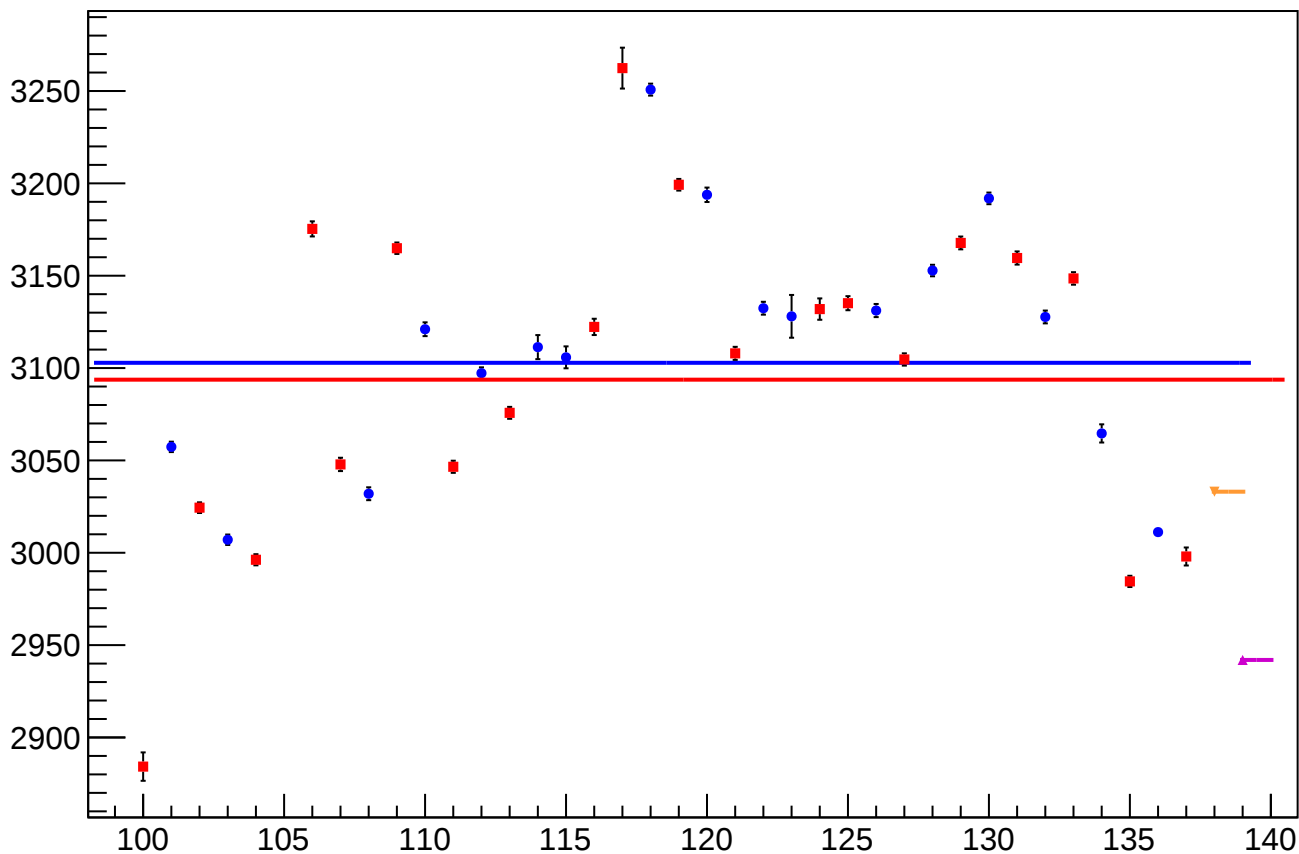
Left In: 5.416 ± 3.566 χ^2/NDF : 0.0/0

-20.660 ± 1.132 χ^2/NDF : 177.3/17

-5.969 ± 0.788 χ^2/NDF : 782.3/38

7.840 ± 1.097 χ^2/NDF : 278.2/20

diff_bpm0l01X_rms vs Slug, Sign Corrected



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

Left Out: 3033.062 $\pm$ 2.501 χ^2 /NDF: 0.0/0

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

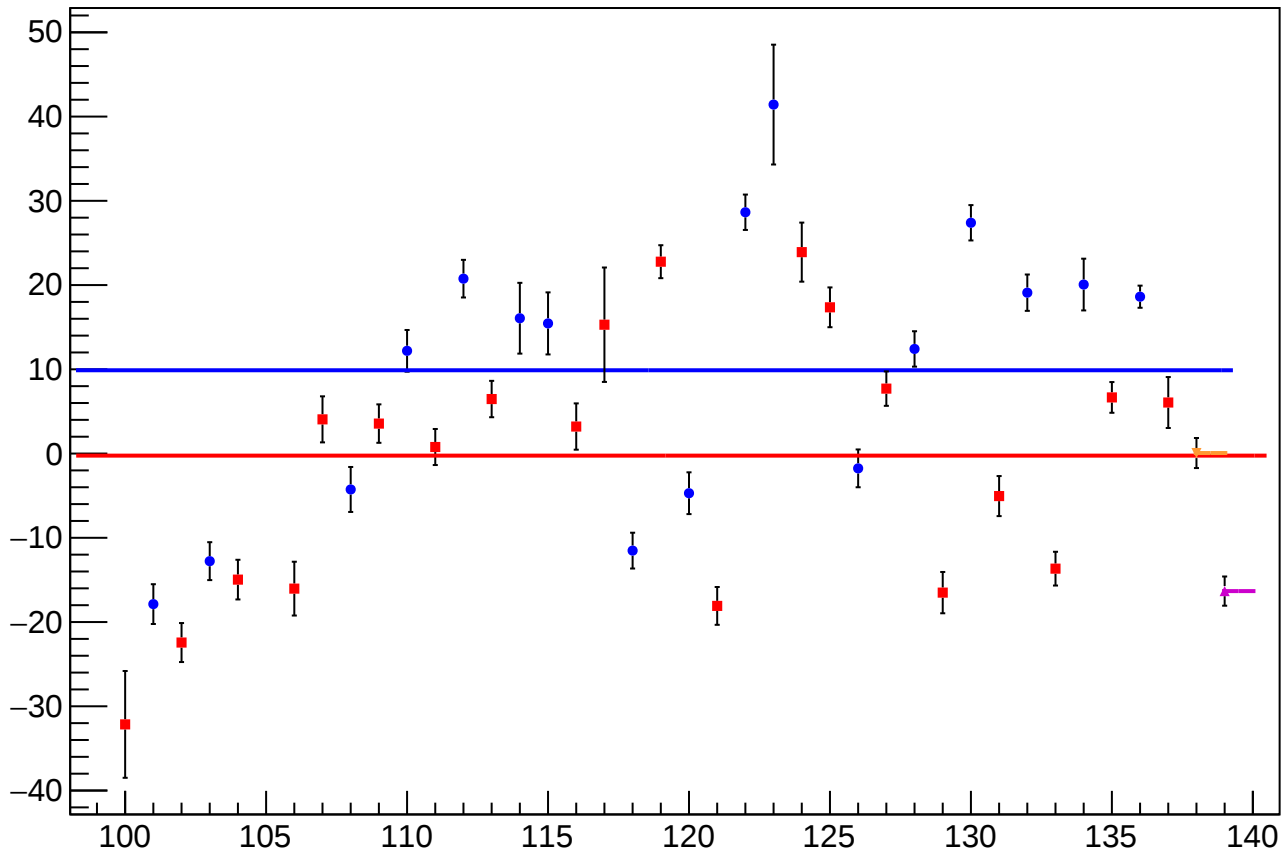
Left In: 2941.970 $\pm$ 2.522 χ^2 /NDF: 0.0/0

3095.699 $\pm$ 0.800 χ^2 /NDF: 8043.7/17

3087.269 $\pm$ 0.557 χ^2 /NDF: 19534.2/38

3079.345 $\pm$ 0.776 χ^2 /NDF: 11275.3/20

diff_bpm0l01Y_mean vs Slug, Sign Corrected



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

Left Out: 0.062 $\pm$ 1.783 χ^2 /NDF: 0.0/0

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

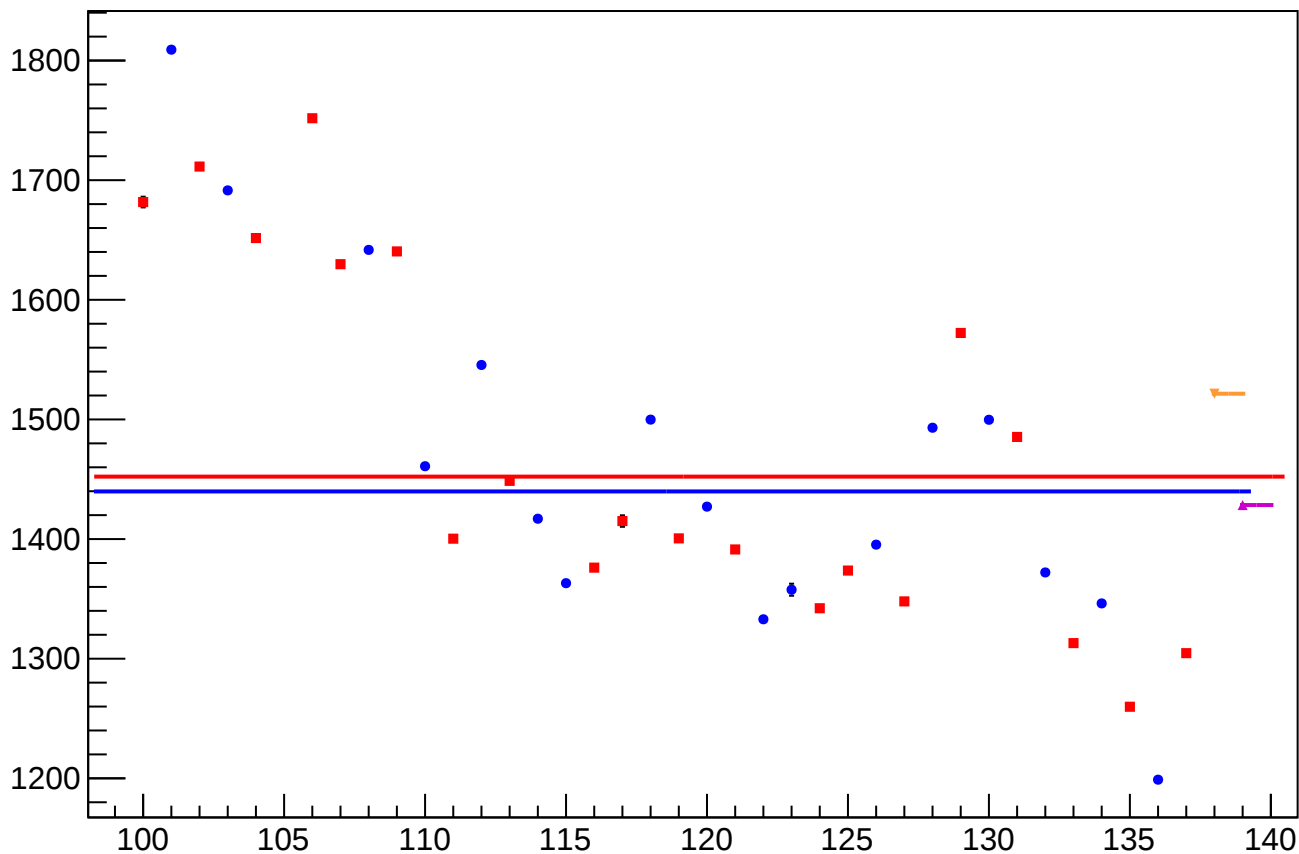
Left In: -16.327 $\pm$ 1.733 χ^2 /NDF: 0.0/0

9.007 $\pm$ 0.534 χ^2 /NDF: 731.3/17

3.516 $\pm$ 0.372 χ^2 /NDF: 1650.0/38

-1.694 $\pm$ 0.520 χ^2 /NDF: 712.5/20

diff_bpm0l01Y_rms vs Slug, Sign Corrected



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

Left Out: 1521.504+/-1.261 χ^2/NDF : 0.0/0

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

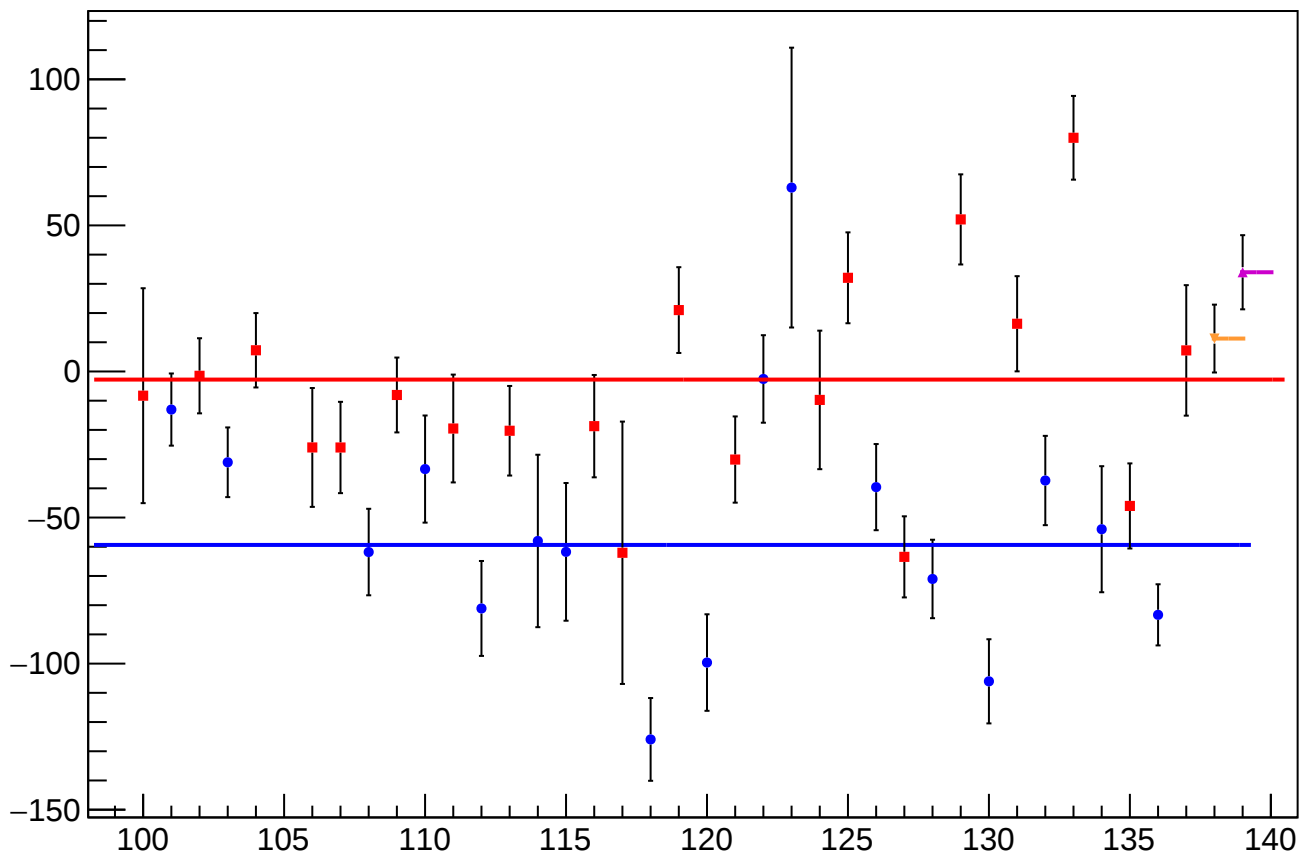
Left In: 1428.449+/-1.225 χ^2/NDF : 0.0/0

1447.143+/-0.377 χ^2/NDF : 176642.4/17

1448.646+/-0.263 χ^2/NDF : 315595.4/38

1450.071+/-0.368 χ^2/NDF : 138922.1/20

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -59.374 ± 3.729 $\chi^2/\text{NDF}: 92.9/16$

Left Out: 11.266 ± 11.614 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -2.776 ± 3.618 $\chi^2/\text{NDF}: 95.7/19$

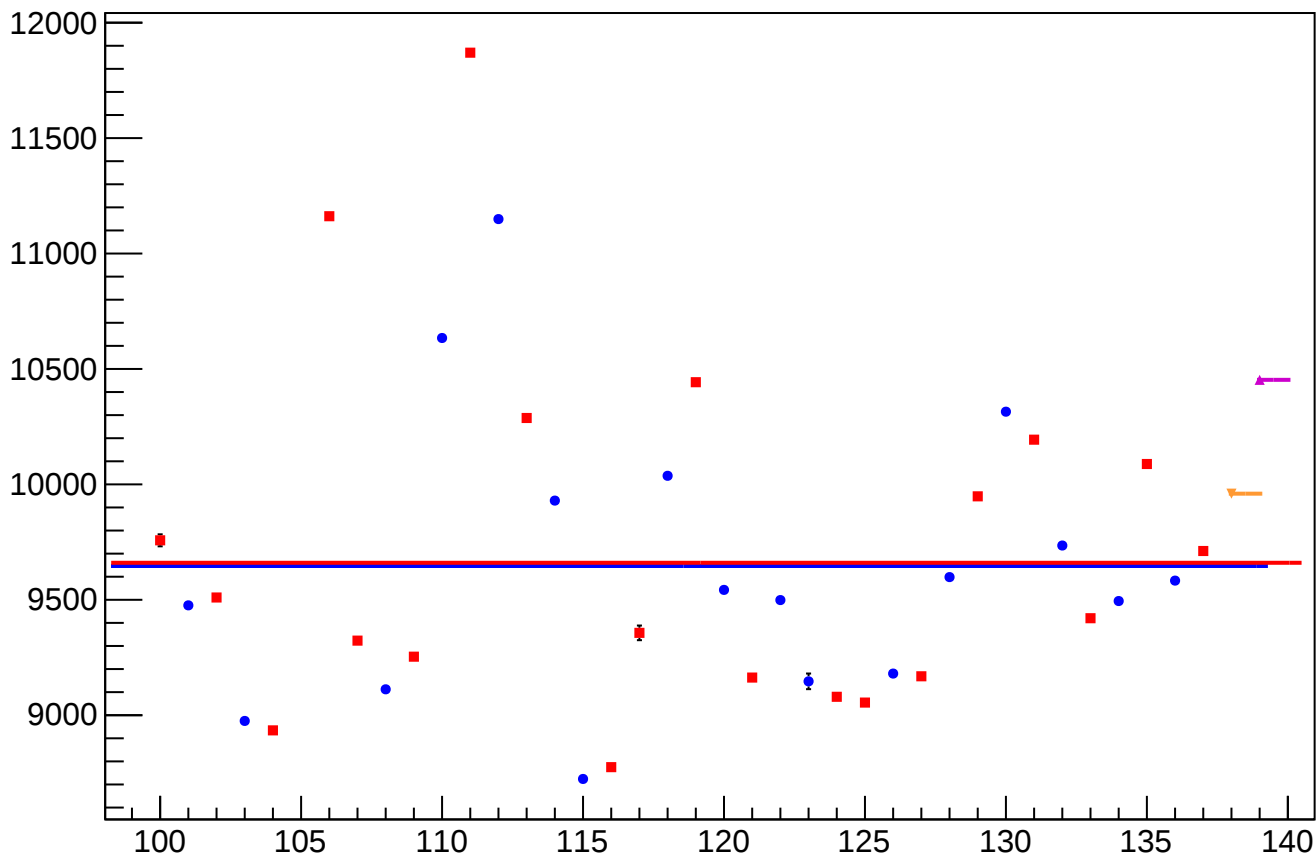
Left In: 33.964 ± 12.692 $\chi^2/\text{NDF}: 0.0/0$

-52.773 ± 3.550 $\chi^2/\text{NDF}: 126.4/17$

-25.861 ± 2.485 $\chi^2/\text{NDF}: 342.5/38$

-0.015 ± 3.479 $\chi^2/\text{NDF}: 103.4/20$

diff_bpm0l02X_rms vs Slug, Sign Corrected



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

Left Out: 9959.749 ± 8.212 χ^2/NDF : 0.0/0

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

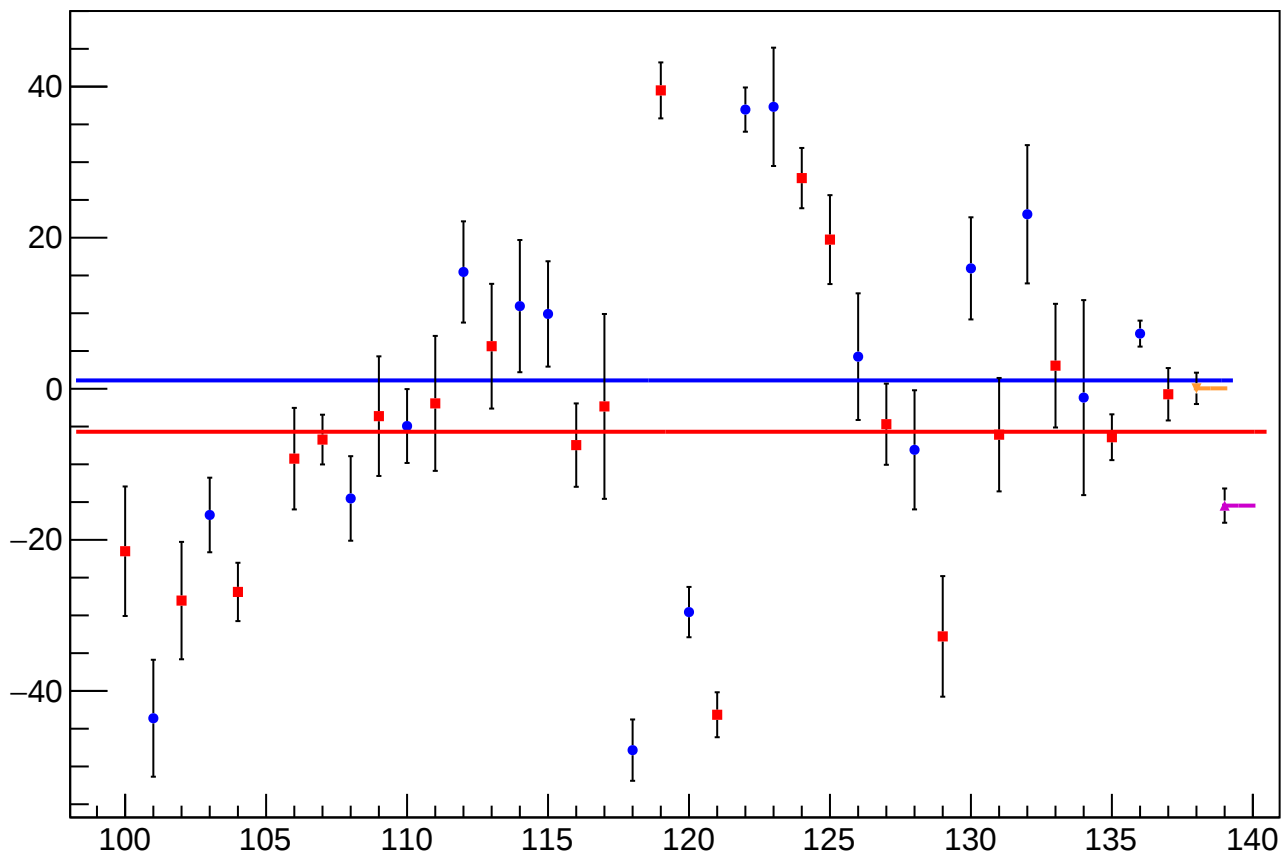
Left In: 10452.847 ± 8.975 χ^2/NDF : 0.0/0

9675.756 ± 2.510 χ^2/NDF : 45379.5/17

9698.290 ± 1.757 χ^2/NDF : 130424.5/38

9719.931 ± 2.460 χ^2/NDF : 84887.0/20

diff_bpm0l02Y_mean vs Slug, Sign Corrected



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

Left Out: 0.056 ± 2.077 $\chi^2/\text{NDF}: 0.0/0$

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

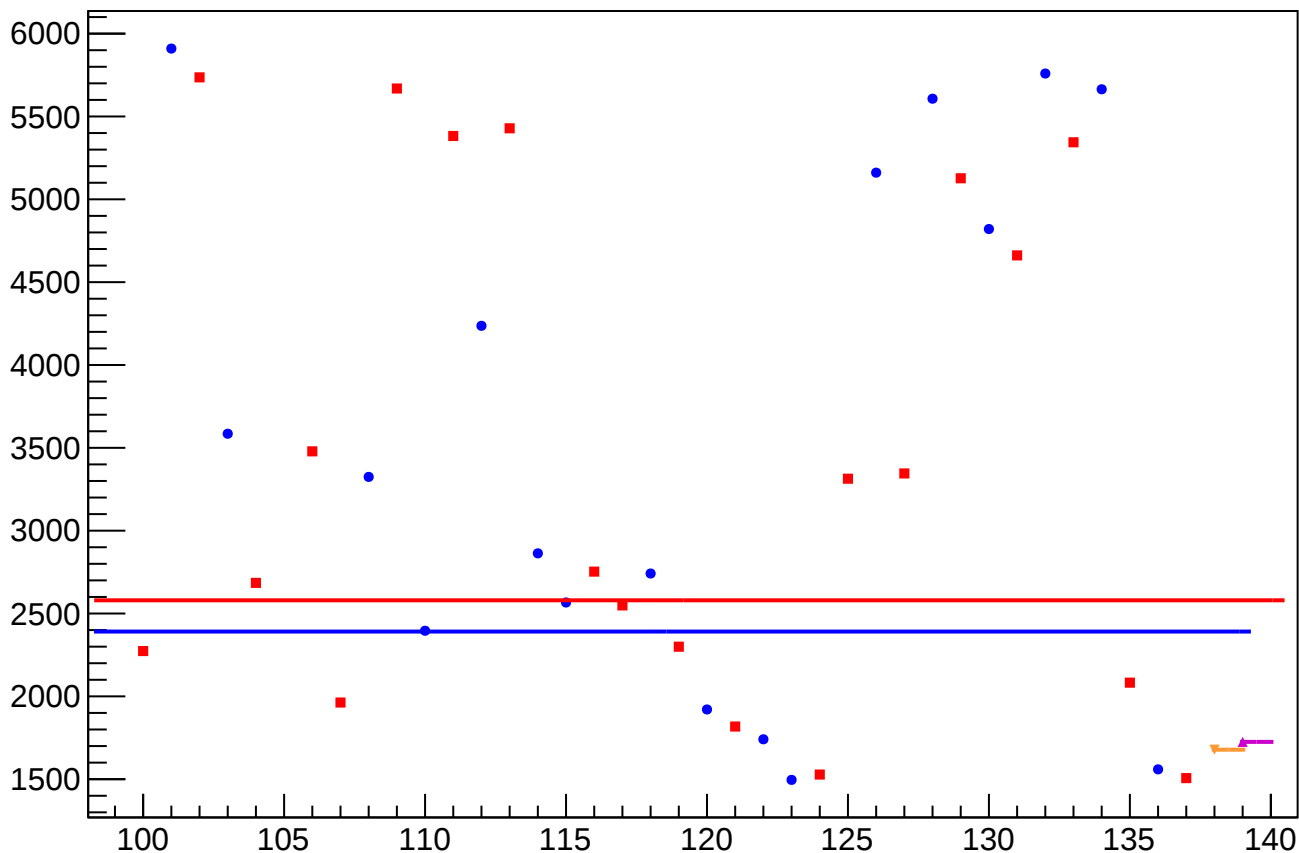
Left In: -15.467 ± 2.269 $\chi^2/\text{NDF}: 0.0/0$

0.887 ± 0.949 $\chi^2/\text{NDF}: 489.9/17$

-3.177 ± 0.682 $\chi^2/\text{NDF}: 999.0/38$

-7.514 ± 0.980 $\chi^2/\text{NDF}: 471.1/20$

diff_bpm0l02Y_rms vs Slug, Sign Corrected



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

Left Out: 1678.077 $\pm$ 1.468 χ^2 /NDF: 0.0/0

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

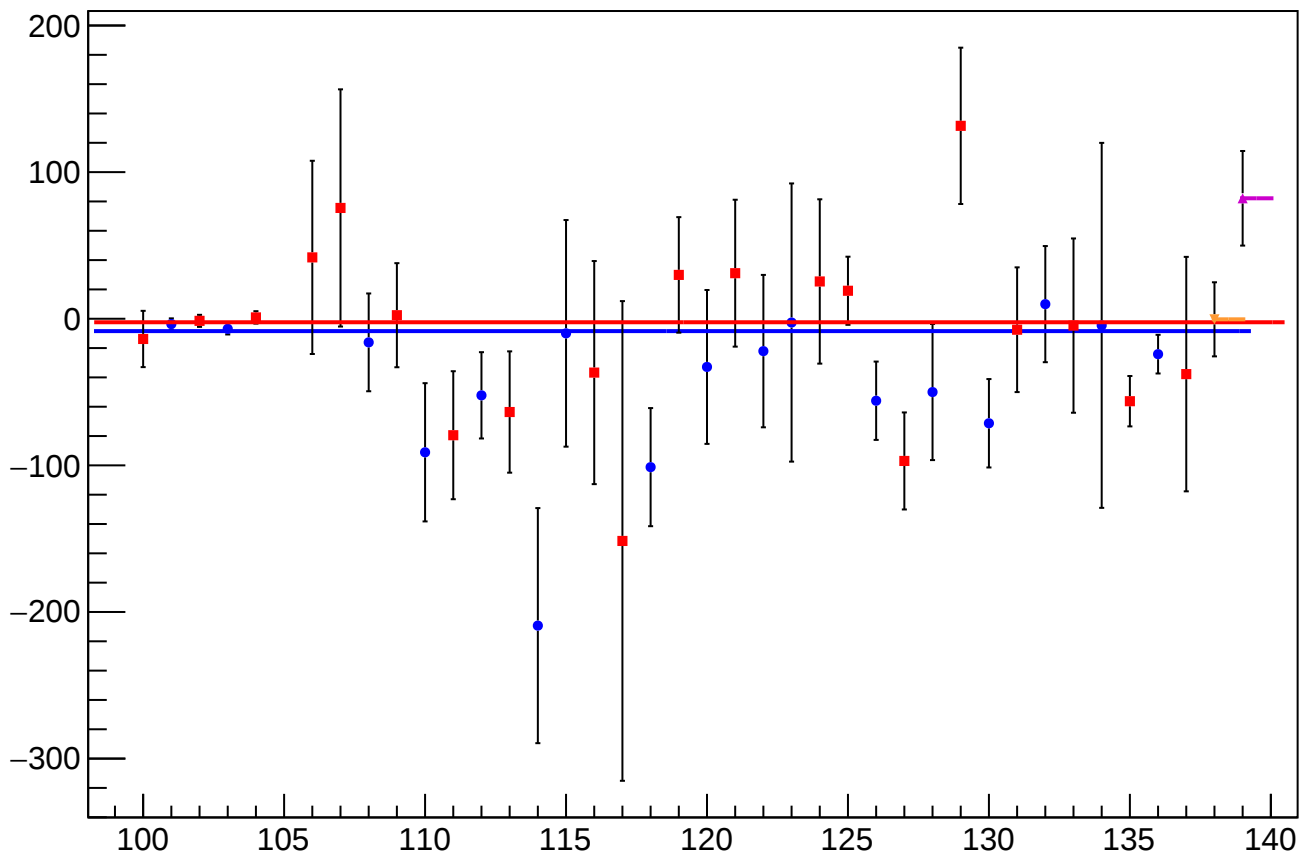
Left In: 1725.239 $\pm$ 1.604 χ^2 /NDF: 0.0/0

2242.355 $\pm$ 0.671 χ^2 /NDF: 2787144.0/17

2328.421 $\pm$ 0.482 χ^2 /NDF: 5417264.3/38

2420.289 $\pm$ 0.693 χ^2 /NDF: 2596089.2/20

diff_bpm0l03X_mean vs Slug, Sign Corrected



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

Left Out: -0.396 $\pm$ 25.267 χ^2/NDF : 0.0/0

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

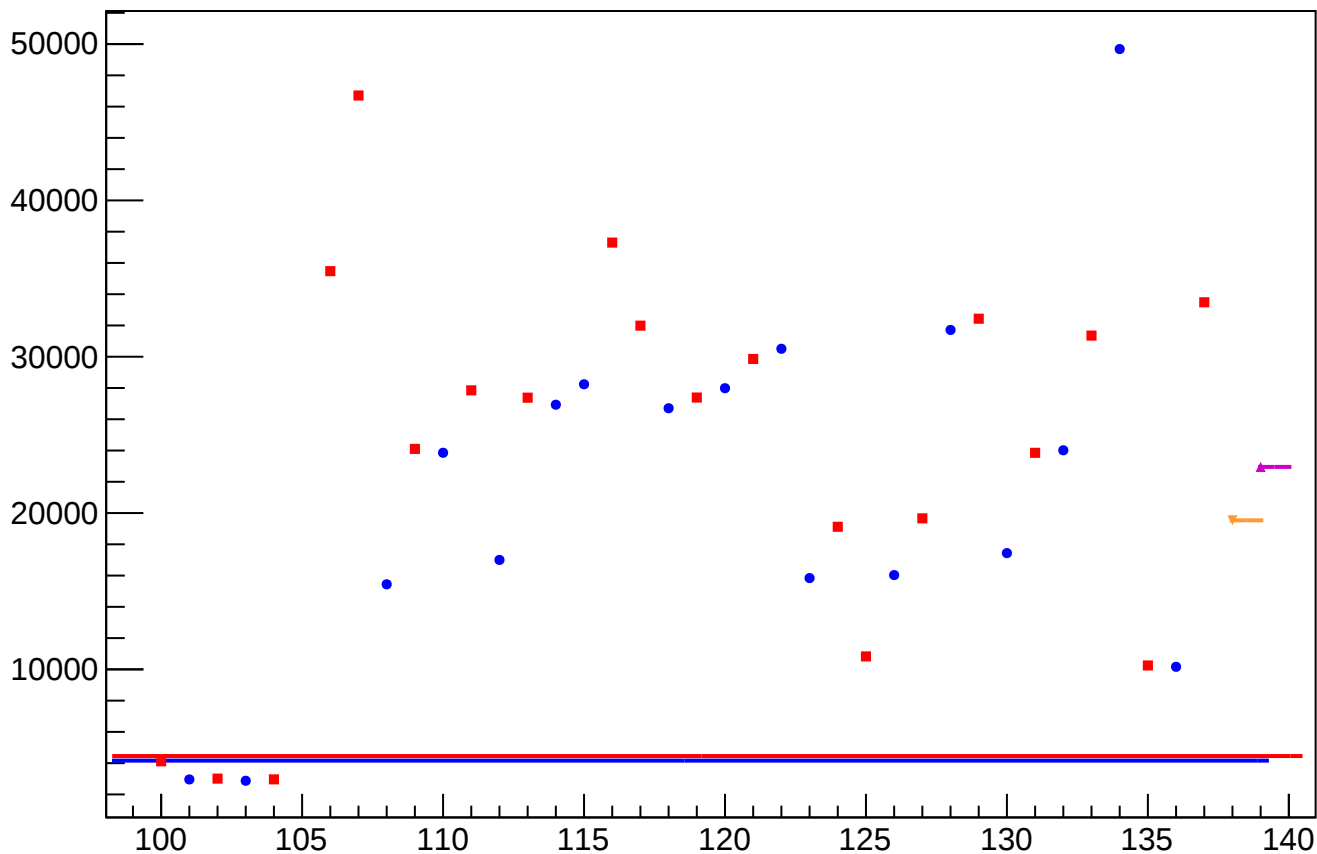
Left In: 82.154 $\pm$ 32.261 χ^2/NDF : 0.0/0

-8.347 $\pm$ 2.574 χ^2/NDF : 29.0/17

-5.304 $\pm$ 1.887 χ^2/NDF : 74.3/38

-1.766 $\pm$ 2.776 χ^2/NDF : 42.3/20

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4162.318 ± 1.830 $\chi^2/\text{NDF}: 5990070.5/16$

Left Out: 19533.762 ± 17.866 $\chi^2/\text{NDF}: 0.0/0$

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

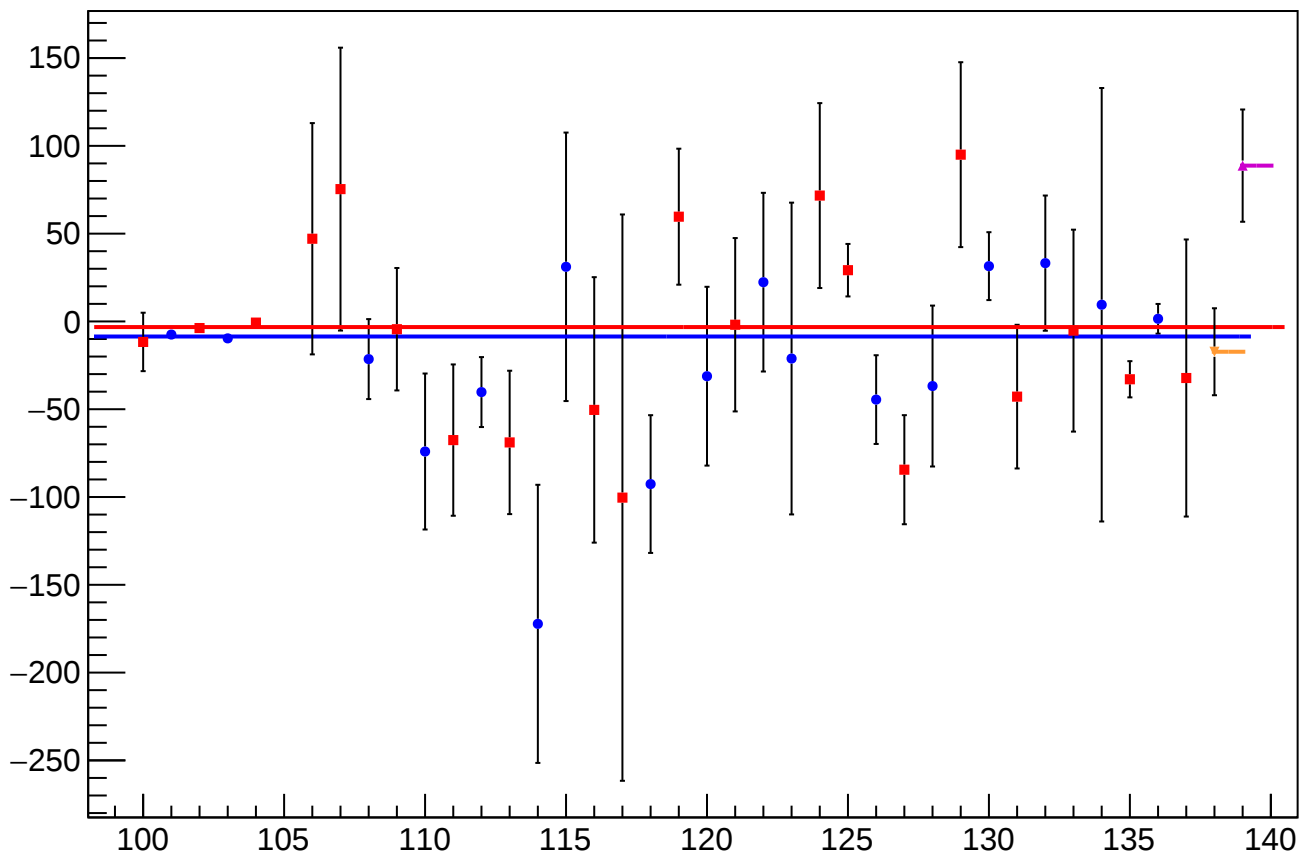
Left In: 22951.887 ± 22.812 $\chi^2/\text{NDF}: 0.0/0$

4321.843 ± 1.820 $\chi^2/\text{NDF}: 6722618.7/17$

4446.764 ± 1.335 $\chi^2/\text{NDF}: 14868982.2/3$

4592.075 ± 1.963 $\chi^2/\text{NDF}: 8136172.9/20$

diff_bpm0l03Y_mean vs Slug, Sign Corrected



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

Left Out: -17.266 ± 24.766 χ^2/NDF : 0.0/0

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

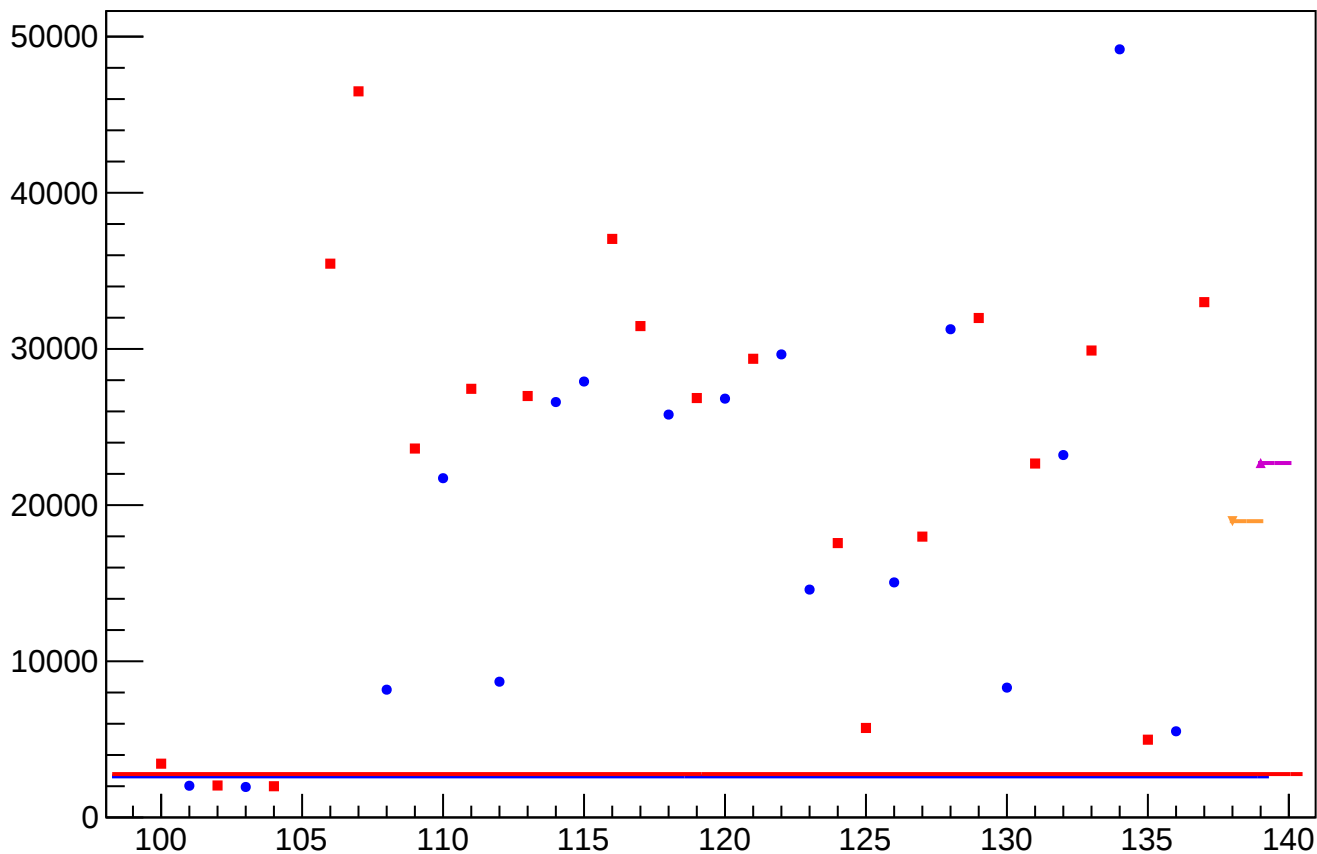
Left In: 88.737 ± 31.972 χ^2/NDF : 0.0/0

-8.631 ± 1.773 χ^2/NDF : 24.5/17

-5.980 ± 1.302 χ^2/NDF : 74.9/38

-2.877 ± 1.919 χ^2/NDF : 45.5/20

diff_bpm0l03Y_rms vs Slug, Sign Corrected



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

Left Out: 18971.805+/-17.512 χ^2/NDF : 0.0/0

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

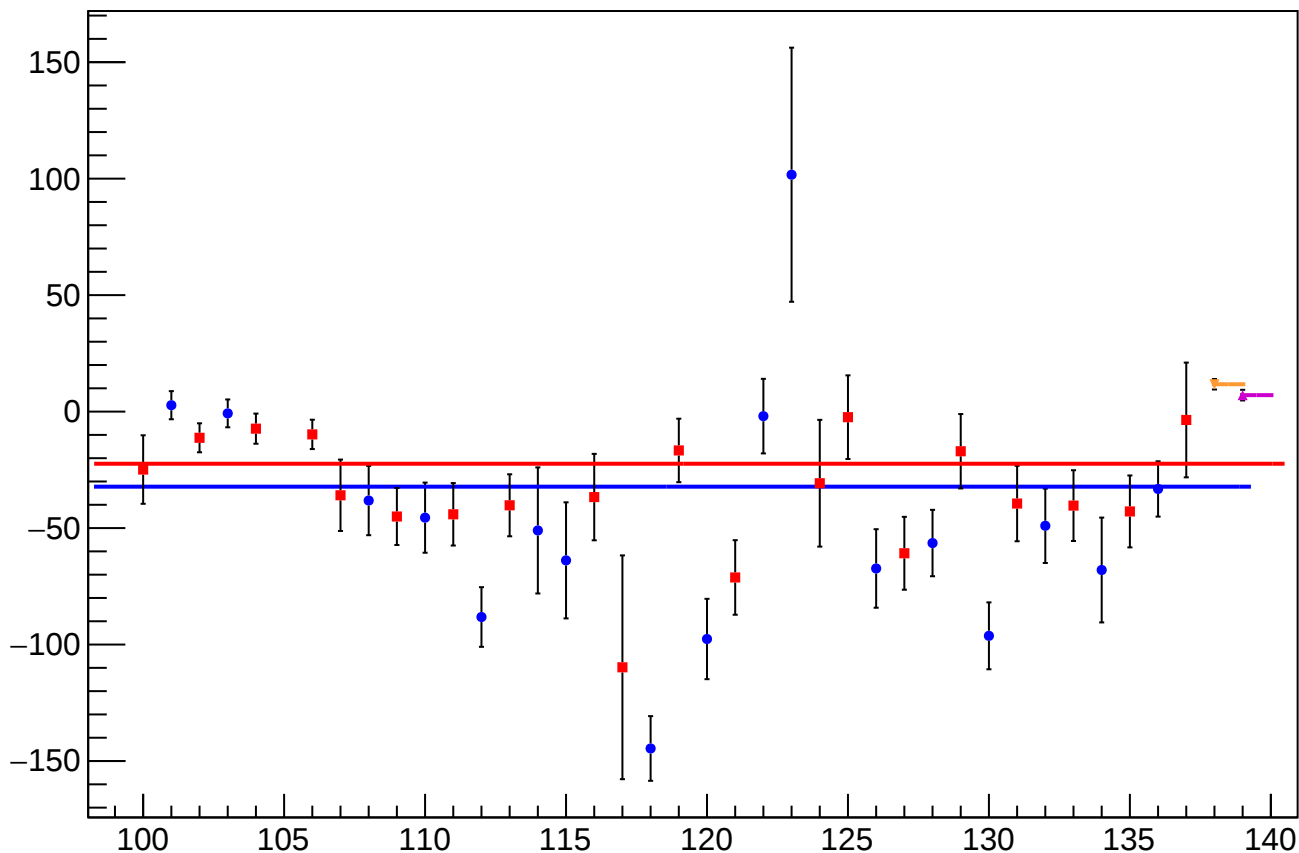
Left In: 22695.318+/-22.607 χ^2/NDF : 0.0/0

2714.313+/-1.254 χ^2/NDF : 6455232.8/17

2776.474+/-0.921 χ^2/NDF : 15133150.0/3

2849.250+/-1.357 χ^2/NDF : 8672581.8/20

diff_bpm0l04X_mean vs Slug, Sign Corrected



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

Left Out: 11.739 ± 2.249 χ^2/NDF : 0.0/0

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

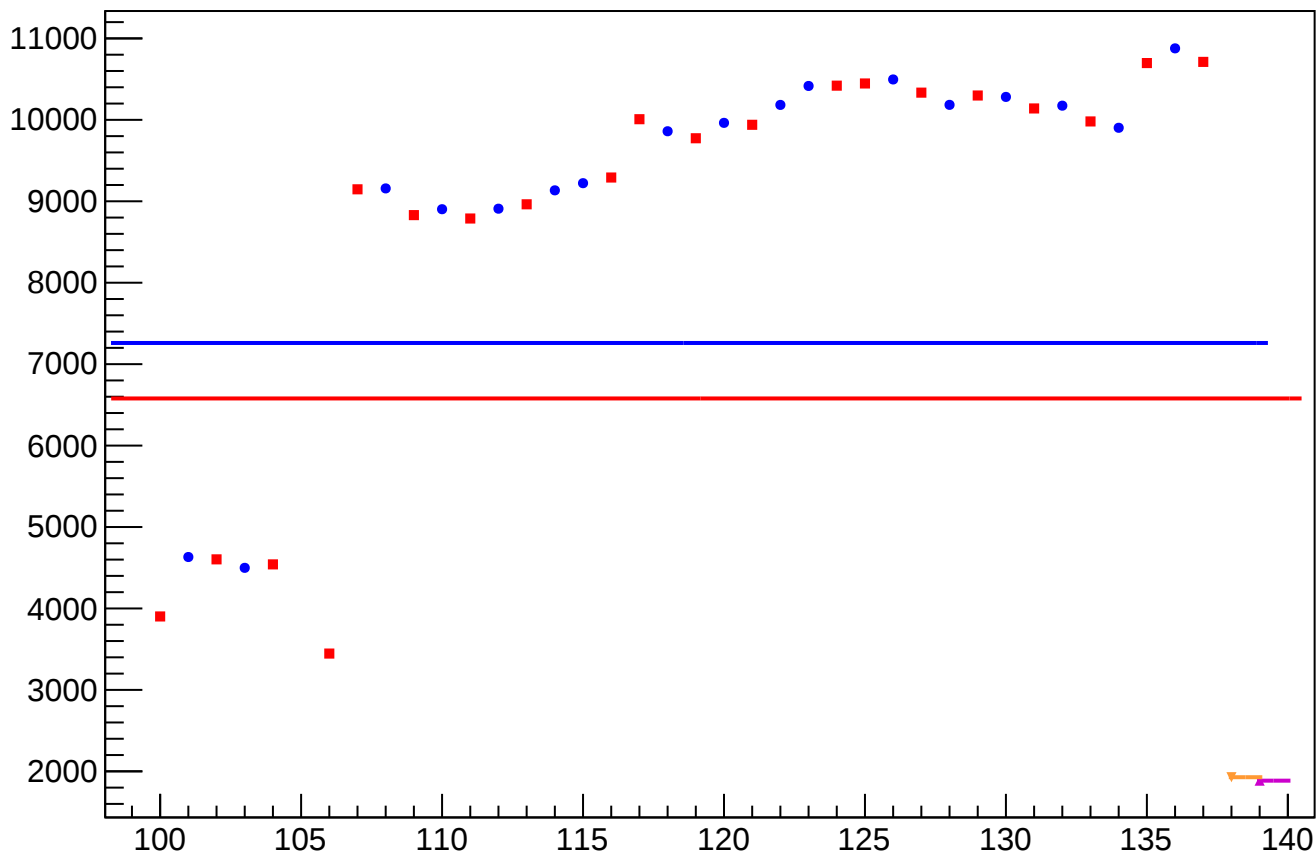
Left In: 7.069 ± 2.286 χ^2/NDF : 0.0/0

-4.205 ± 1.795 χ^2/NDF : 342.2/17

-4.828 ± 1.248 χ^2/NDF : 459.8/38

-5.411 ± 1.735 χ^2/NDF : 117.4/20

diff_bpm0l04X_rms vs Slug, Sign Corrected



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

Left Out: 1927.812+/-1.590 χ^2/NDF : 0.0/0

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

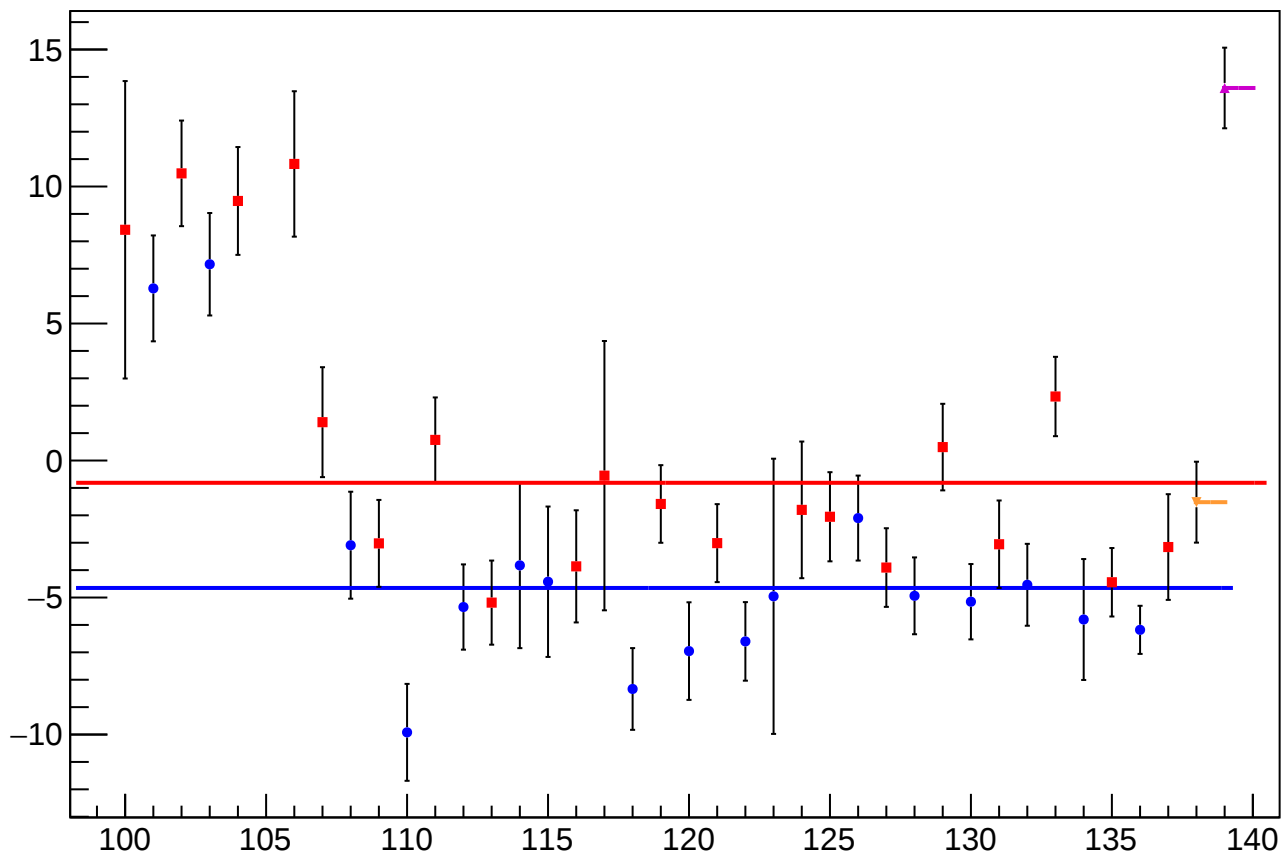
Left In: 1885.368+/-1.616 χ^2/NDF : 0.0/0

3861.704+/-1.270 χ^2/NDF : 5713680.9/17

3868.198+/-0.882 χ^2/NDF : 11494463.7/3

3874.261+/-1.227 χ^2/NDF : 5780732.3/20

diff_bpm0l04Y_mean vs Slug, Sign Corrected



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

Left Out: -1.520 ± 1.477 χ^2/NDF : 0.0/0

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

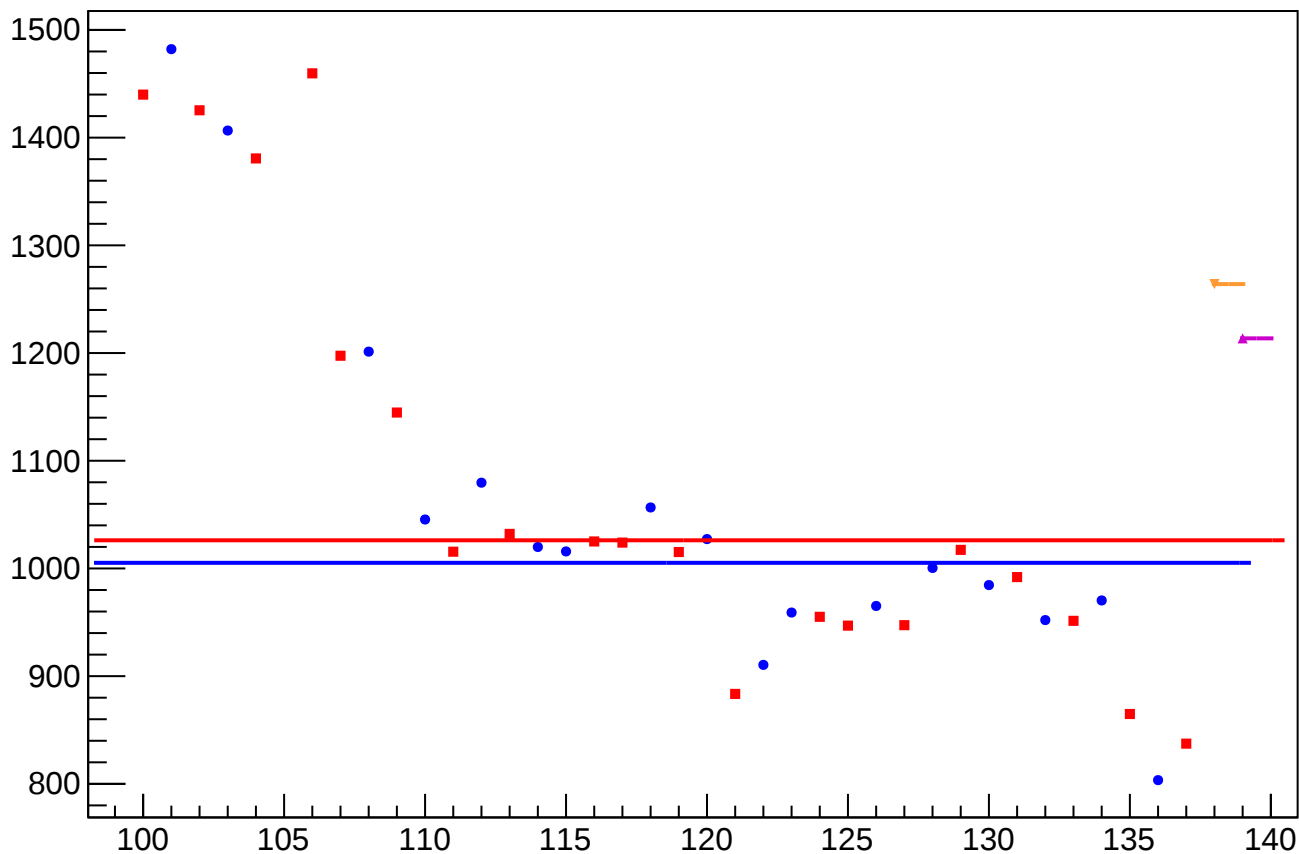
Left In: 13.596 ± 1.471 χ^2/NDF : 0.0/0

-4.444 ± 0.379 χ^2/NDF : 101.8/17

-2.132 ± 0.267 χ^2/NDF : 388.5/38

0.121 ± 0.375 χ^2/NDF : 213.4/20

diff_bpm0l04Y_rms vs Slug, Sign Corrected



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

Left Out: 1264.034 $\pm$ 1.044 χ^2 /NDF: 0.0/0

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

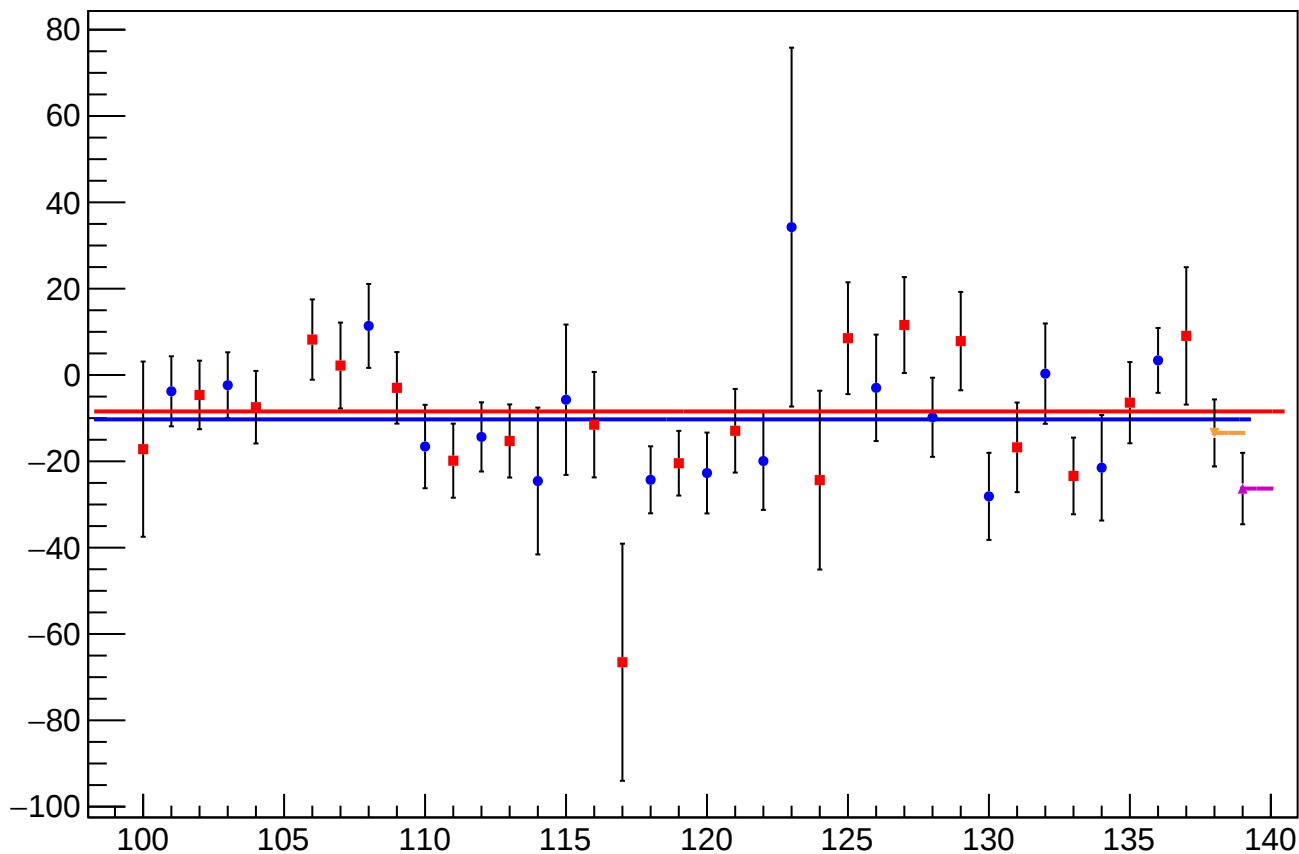
Left In: 1213.633 $\pm$ 1.040 χ^2 /NDF: 0.0/0

1022.315 $\pm$ 0.268 χ^2 /NDF: 419332.8/17

1030.410 $\pm$ 0.188 χ^2 /NDF: 784625.4/38

1038.296 $\pm$ 0.265 χ^2 /NDF: 363495.6/20

diff_bpm0l05X_mean vs Slug, Sign Corrected



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

Left Out: -13.418 $\pm$ 7.765 χ^2 /NDF: 0.0/0

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

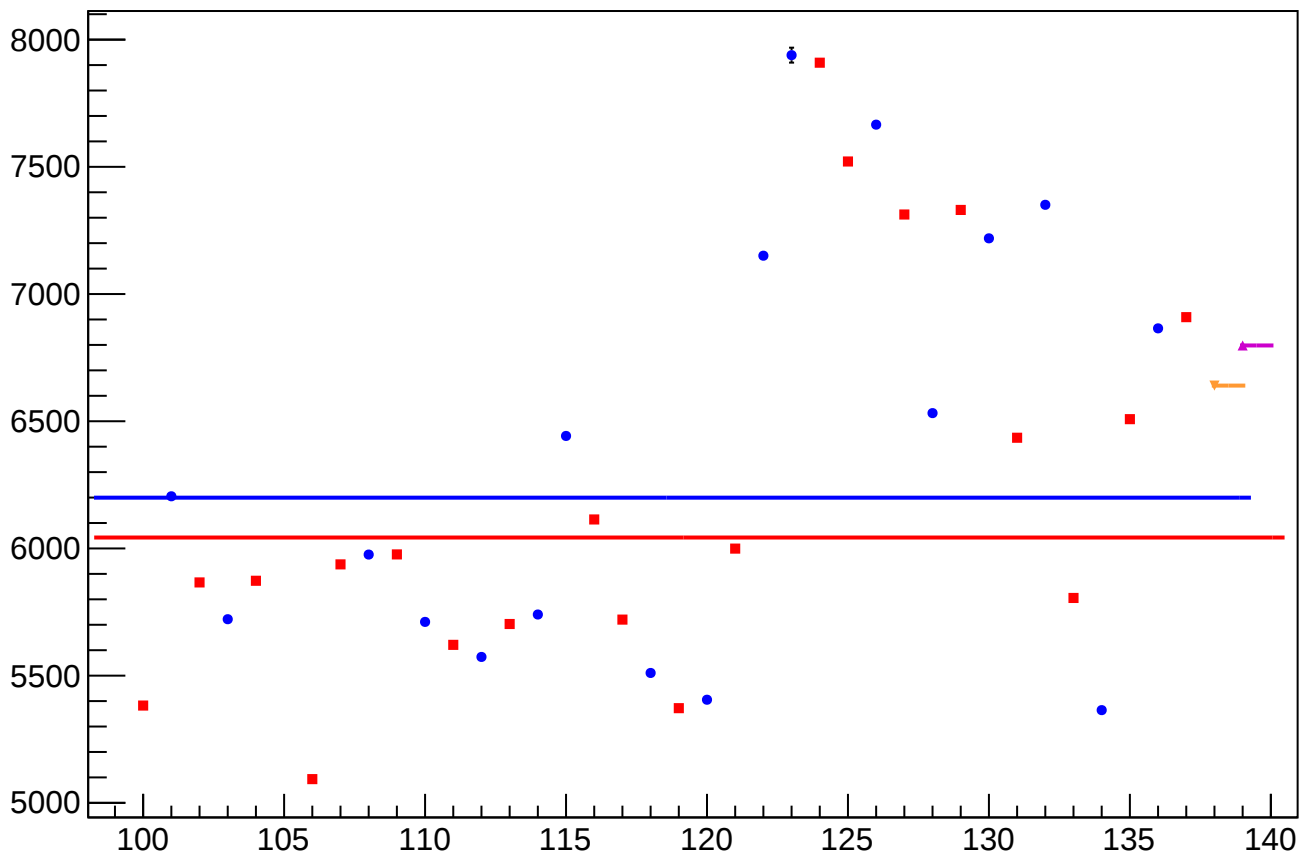
Left In: -26.307 $\pm$ 8.279 χ^2 /NDF: 0.0/0

-10.553 $\pm$ 2.300 χ^2 /NDF: 23.6/17

-10.101 $\pm$ 1.586 χ^2 /NDF: 55.3/38

-9.691 $\pm$ 2.190 χ^2 /NDF: 31.6/20

diff_bpm0l05X_rms vs Slug, Sign Corrected



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

Left Out: 6640.136 $\pm$ 5.491 χ^2 /NDF: 0.0/0

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

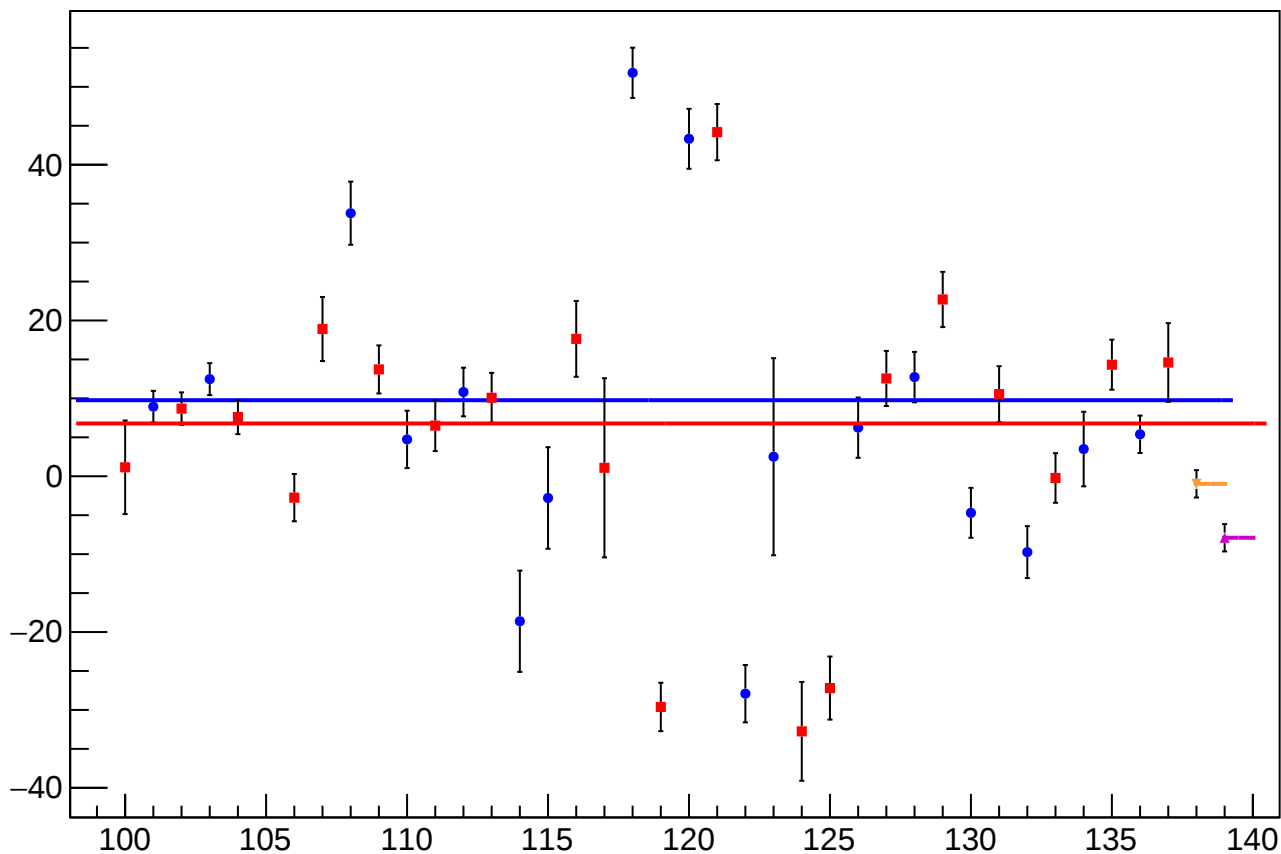
Left In: 6797.891 $\pm$ 5.854 χ^2 /NDF: 0.0/0

6238.260 $\pm$ 1.626 χ^2 /NDF: 177632.9/17

6163.523 $\pm$ 1.121 χ^2 /NDF: 355727.9/38

6095.766 $\pm$ 1.548 χ^2 /NDF: 174068.0/20

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.764 ± 0.797 $\chi^2/\text{NDF}: 473.8/16$

Left Out: -0.973 ± 1.757 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 6.776 ± 0.763 $\chi^2/\text{NDF}: 422.1/19$

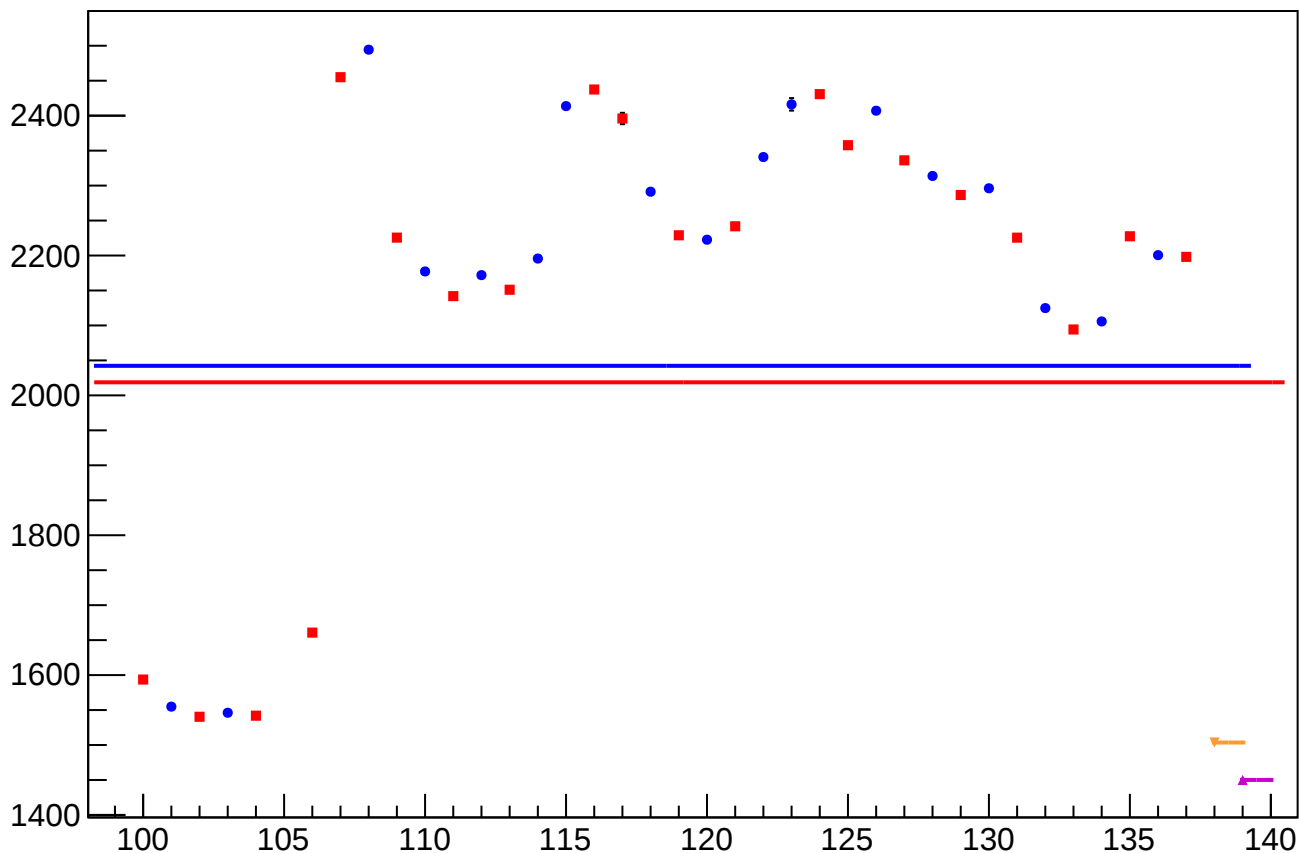
Left In: -7.894 ± 1.758 $\chi^2/\text{NDF}: 0.0/0$

7.932 ± 0.726 $\chi^2/\text{NDF}: 504.8/17$

6.128 ± 0.504 $\chi^2/\text{NDF}: 997.3/38$

4.450 ± 0.700 $\chi^2/\text{NDF}: 480.7/20$

diff_bpm0l05Y_rms vs Slug, Sign Corrected



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

Left Out: 1503.600 $\pm$ 1.242 χ^2 /NDF: 0.0/0

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

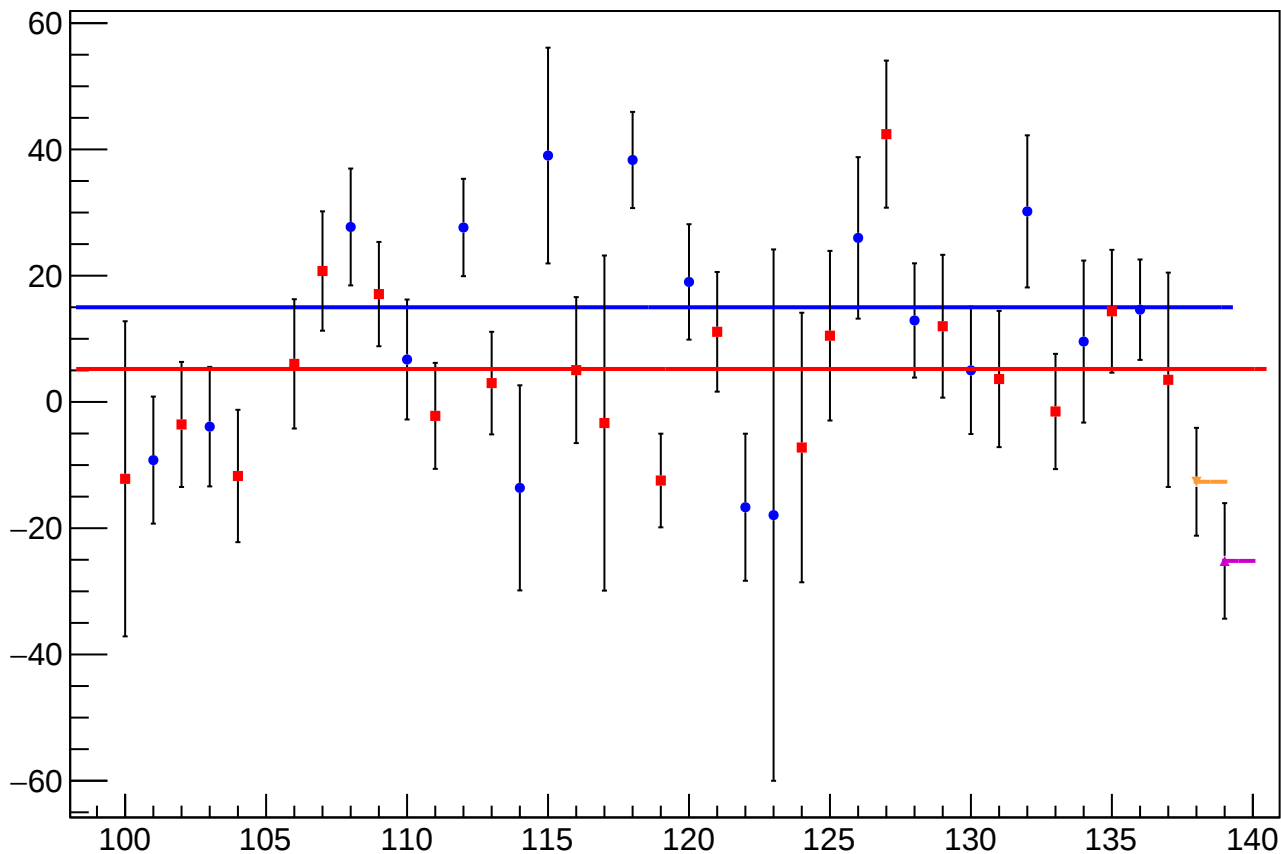
Left In: 1450.075 $\pm$ 1.243 χ^2 /NDF: 0.0/0

1950.359 $\pm$ 0.513 χ^2 /NDF: 512762.6/17

1939.058 $\pm$ 0.356 χ^2 /NDF: 1067562.6/38

1928.543 $\pm$ 0.495 χ^2 /NDF: 553863.6/20

diff_bpm0l06X_mean vs Slug, Sign Corrected



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

Left Out: -12.645 $\pm$ 8.543 χ^2 /NDF: 0.0/0

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

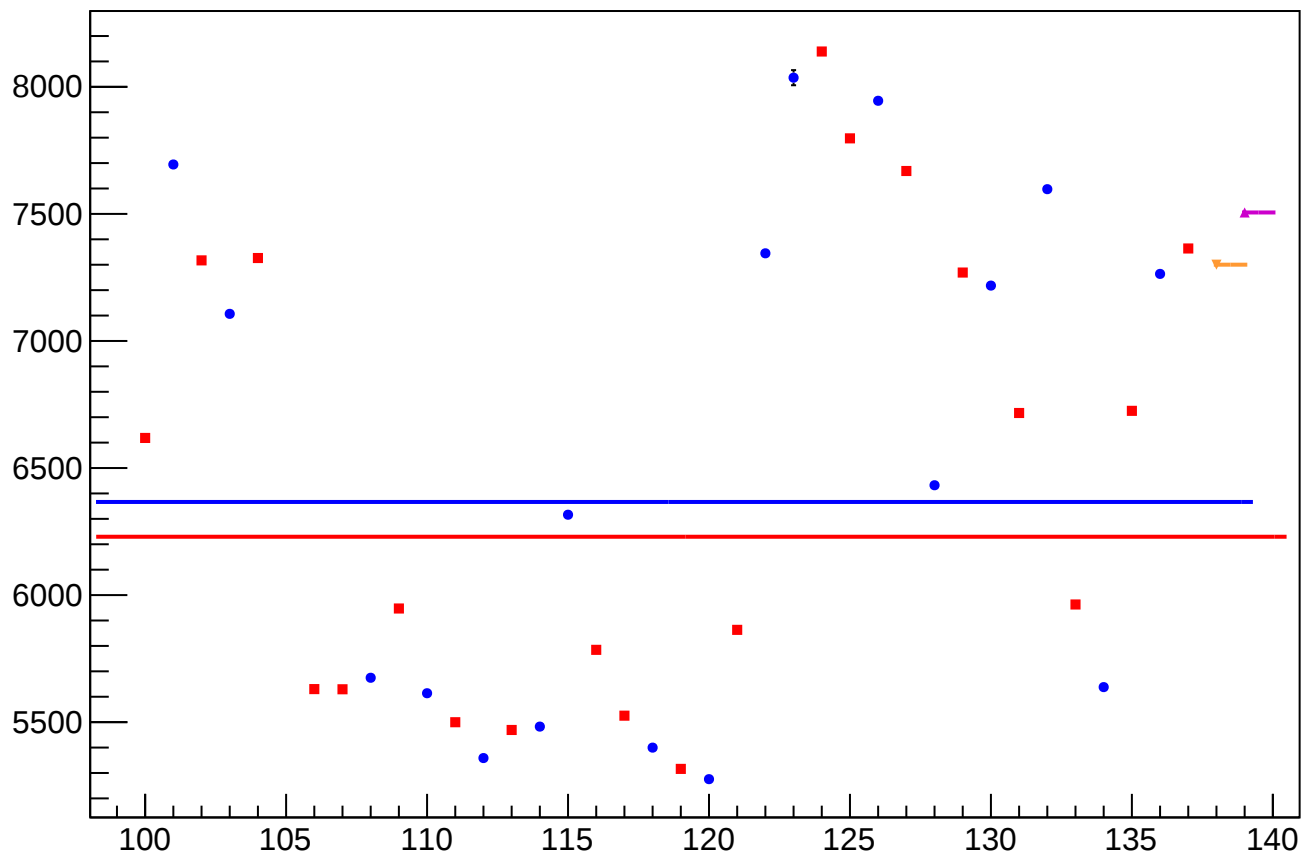
Left In: -25.180 $\pm$ 9.150 χ^2 /NDF: 0.0/0

12.840 $\pm$ 2.386 χ^2 /NDF: 51.0/17

7.864 $\pm$ 1.646 χ^2 /NDF: 97.8/38

3.345 $\pm$ 2.274 χ^2 /NDF: 38.5/20

diff_bpm0l06X_rms vs Slug, Sign Corrected



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

Left Out: 7300.205+/-6.041 χ^2/NDF : 0.0/0

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

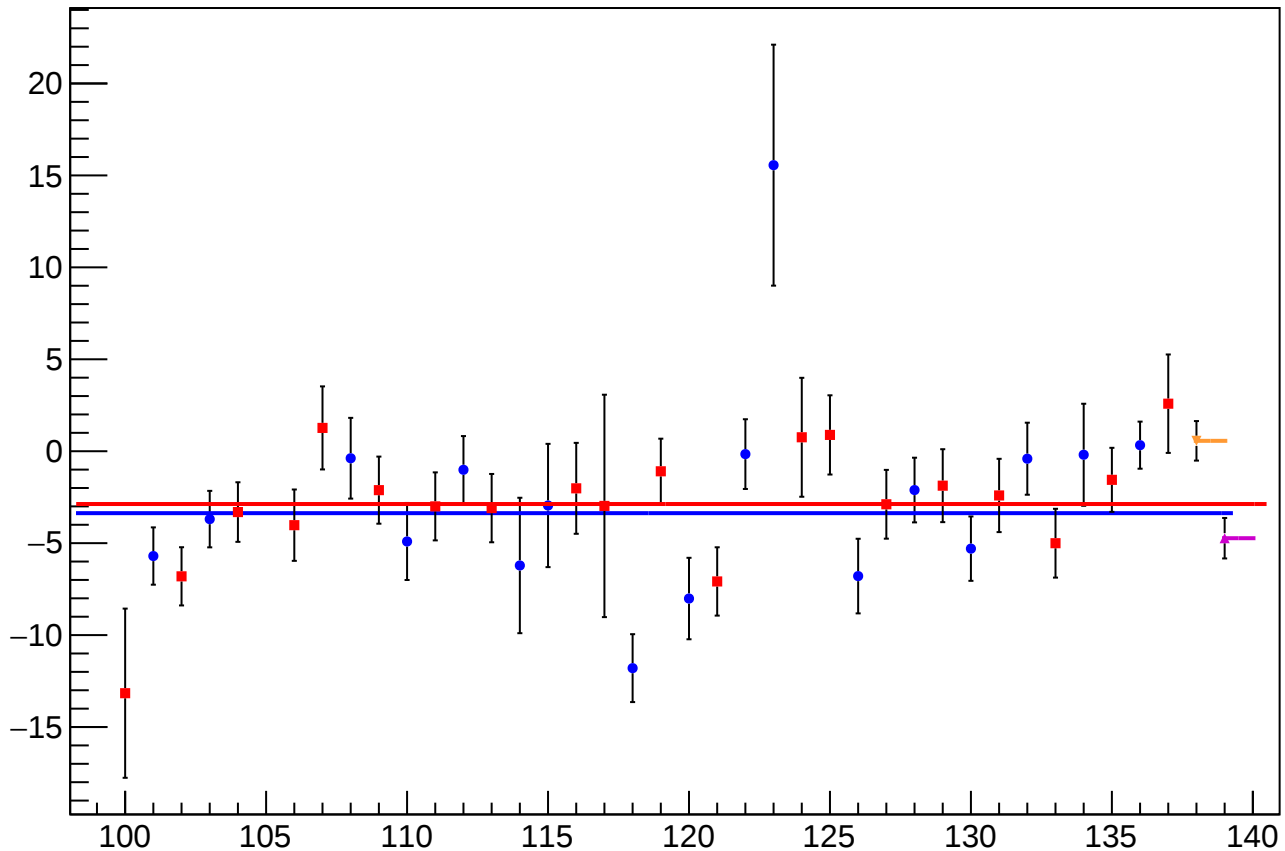
Left In: 7505.659+/-6.470 χ^2/NDF : 0.0/0

6439.350+/-1.687 χ^2/NDF : 308522.2/17

6370.767+/-1.164 χ^2/NDF : 592789.6/38

6308.467+/-1.608 χ^2/NDF : 281114.9/20

diff_bpm0l06Y_mean vs Slug, Sign Corrected



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

Left Out: 0.565 ± 1.075 χ^2/NDF : 0.0/0

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

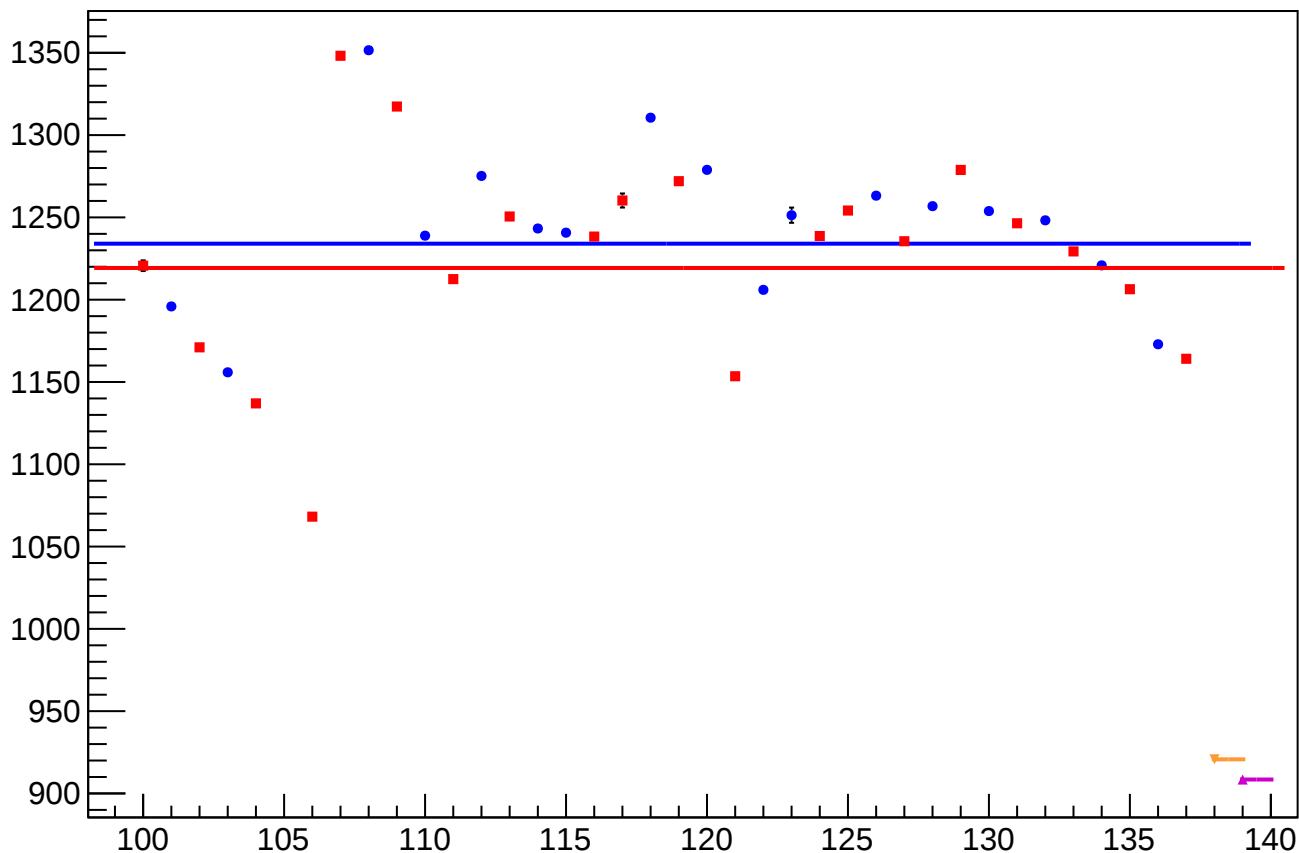
Left In: -4.731 ± 1.101 χ^2/NDF : 0.0/0

-2.725 ± 0.435 χ^2/NDF : 71.1/17

-2.941 ± 0.302 χ^2/NDF : 106.0/38

-3.143 ± 0.421 χ^2/NDF : 34.5/20

diff_bpm0l06Y_rms vs Slug, Sign Corrected



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

Left Out: 920.740 $\pm$ 0.760 χ^2 /NDF: 0.0/0

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

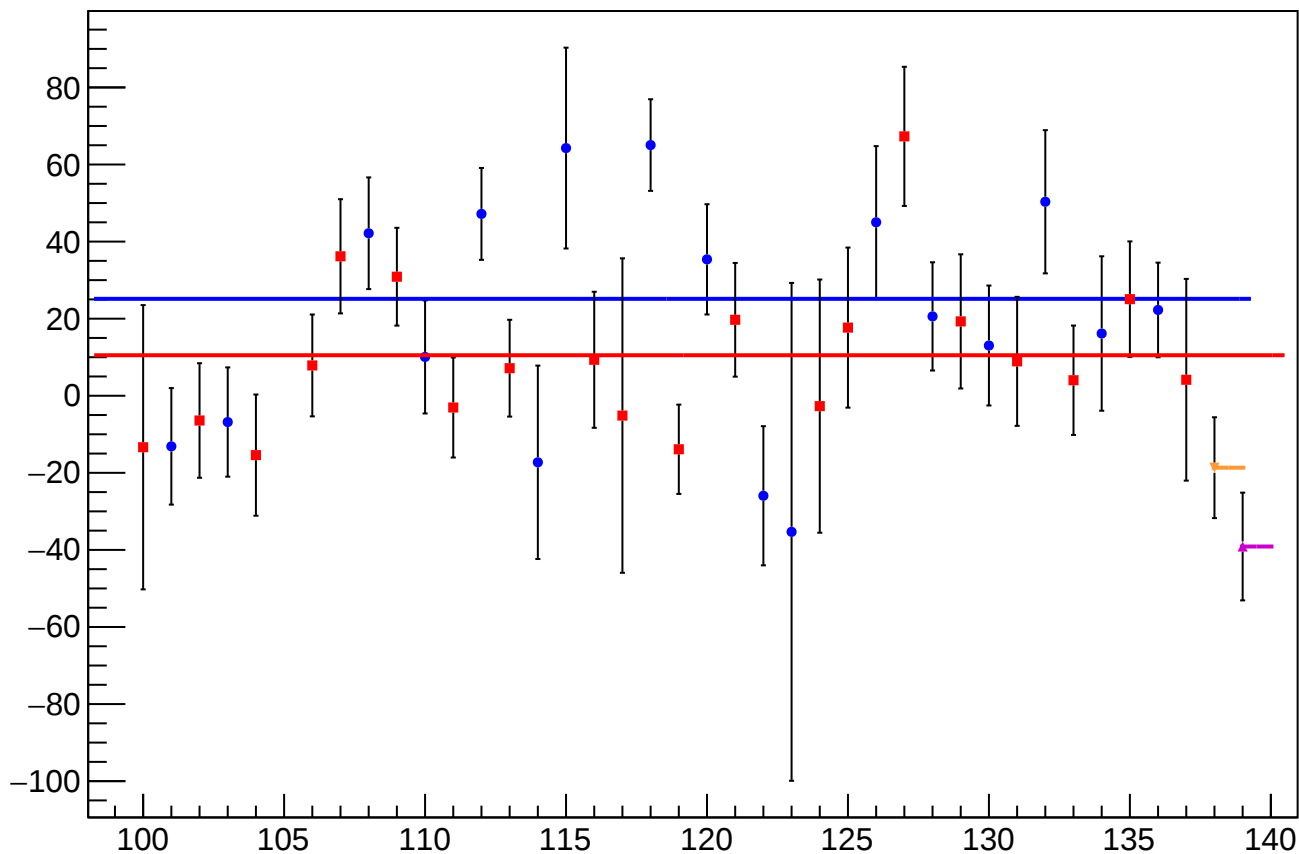
Left In: 908.465 $\pm$ 0.779 χ^2 /NDF: 0.0/0

1182.775 $\pm$ 0.308 χ^2 /NDF: 165597.6/17

1178.197 $\pm$ 0.214 χ^2 /NDF: 342620.5/38

1173.916 $\pm$ 0.297 χ^2 /NDF: 176594.1/20

diff_bpm0l07X_mean vs Slug, Sign Corrected



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

Left Out: -18.665 ± 13.082 χ^2/NDF : 0.0/0

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

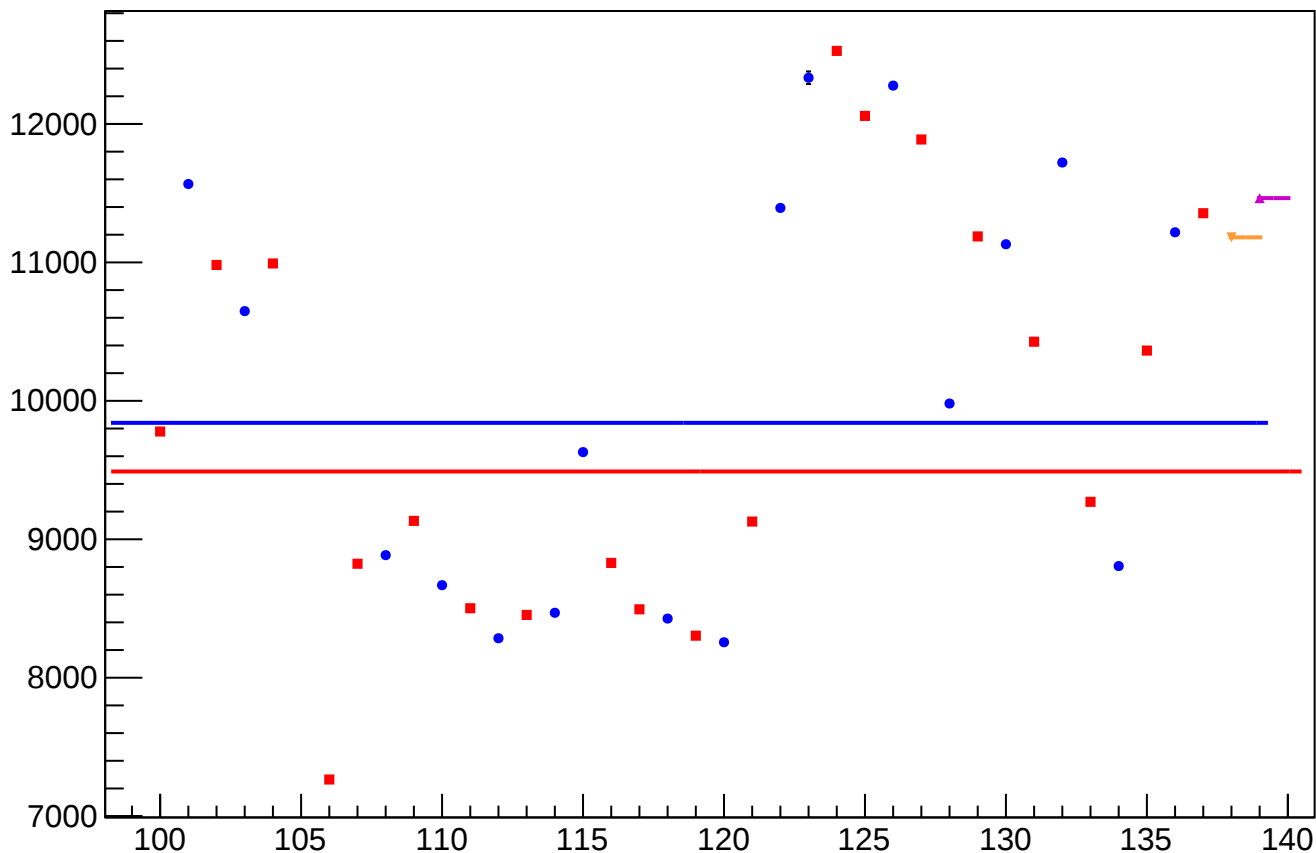
Left In: -39.120 ± 13.976 χ^2/NDF : 0.0/0

21.678 ± 3.682 χ^2/NDF : 57.3/17

14.142 ± 2.525 χ^2/NDF : 104.8/38

7.455 ± 3.469 χ^2/NDF : 39.7/20

diff_bpm0l07X_rms vs Slug, Sign Corrected



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

Left Out: 11180.826+/-9.250 χ^2/NDF : 0.0/0

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

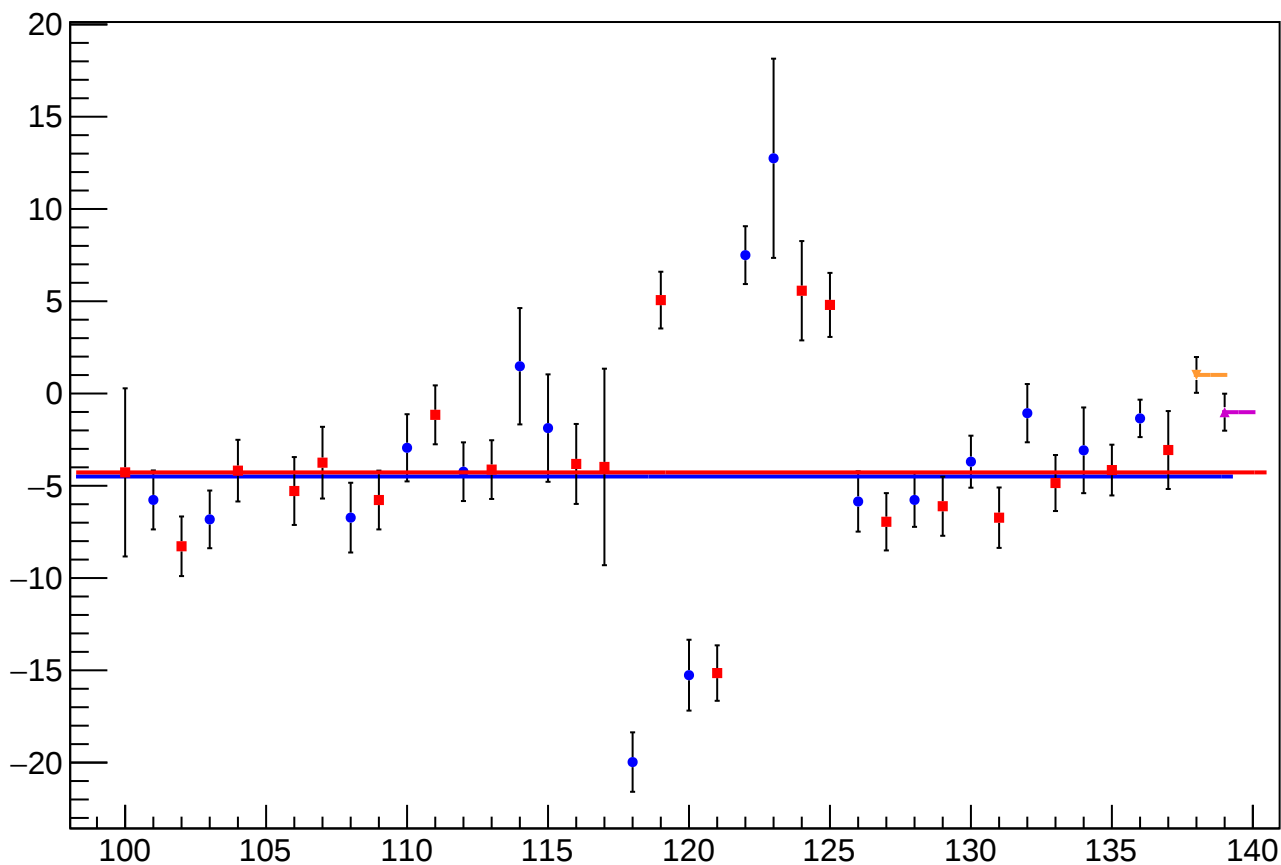
Left In: 11464.458+/-9.882 χ^2/NDF : 0.0/0

9947.308+/-2.604 χ^2/NDF : 279373.5/17

9769.333+/-1.785 χ^2/NDF : 603560.6/38

9611.396+/-2.453 χ^2/NDF : 315368.5/20

diff_bpm0l07Y_mean vs Slug, Sign Corrected



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

Left Out: 1.008 ± 0.970 χ^2/NDF : 0.0/0

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

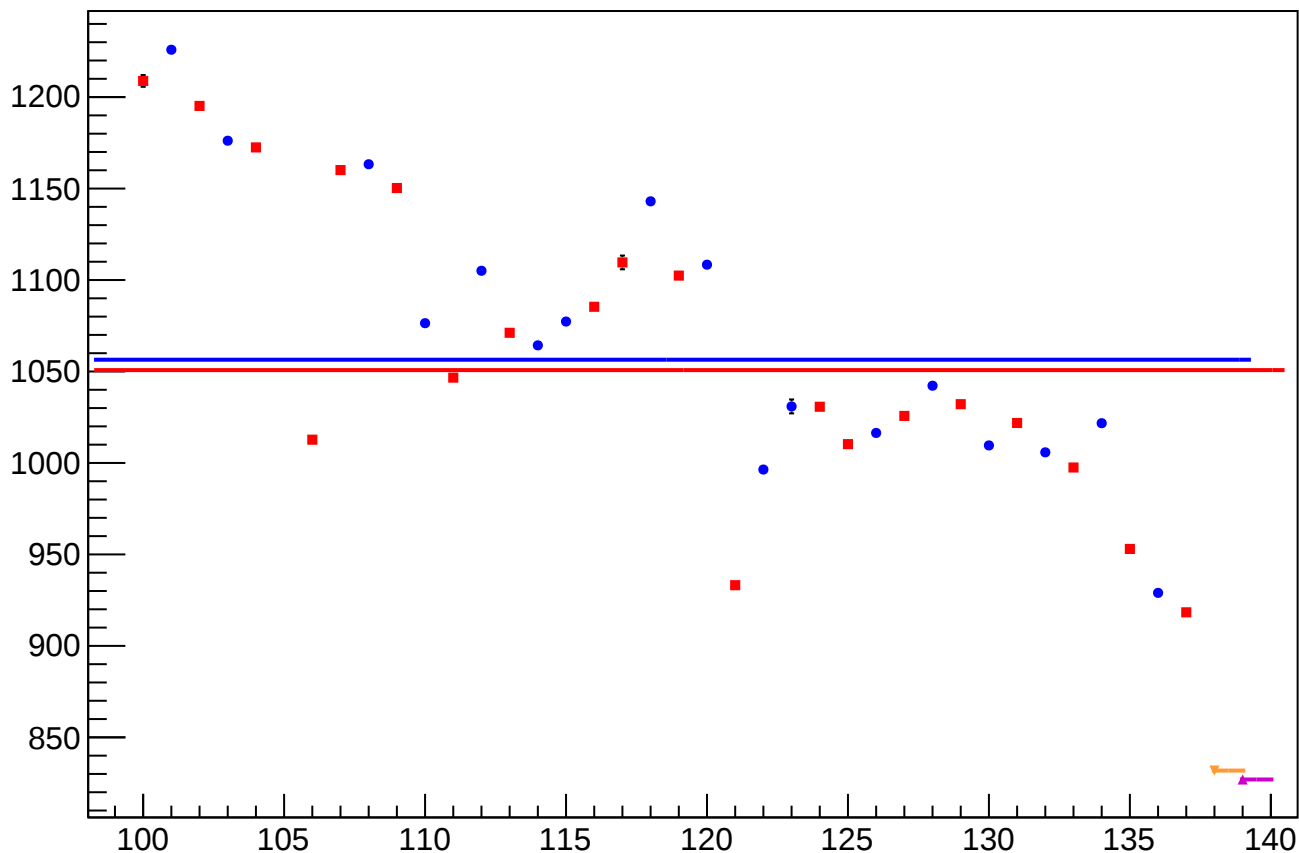
Left In: -1.012 ± 1.002 χ^2/NDF : 0.0/0

-3.669 ± 0.376 χ^2/NDF : 245.8/17

-3.757 ± 0.262 χ^2/NDF : 403.3/38

-3.841 ± 0.366 χ^2/NDF : 157.4/20

diff_bpm0l07Y_rms vs Slug, Sign Corrected



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

Left Out: 831.841 $\pm$ 0.686 χ^2/NDF : 0.0/0

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

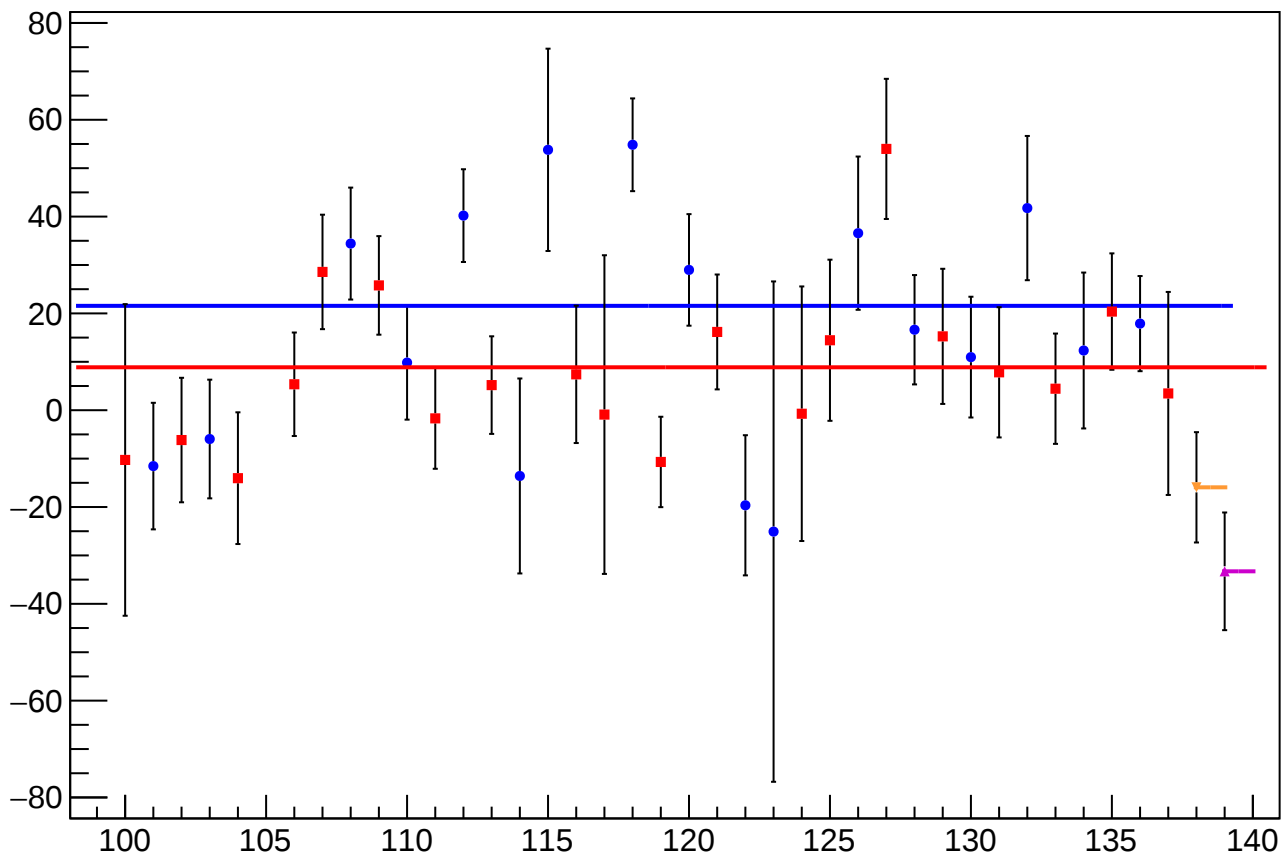
Left In: 826.959 $\pm$ 0.709 χ^2/NDF : 0.0/0

1022.657 $\pm$ 0.266 χ^2/NDF : 181848.3/17

1021.785 $\pm$ 0.185 χ^2/NDF : 350963.1/38

1020.961 $\pm$ 0.259 χ^2/NDF : 169093.9/20

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.561 ± 3.110 χ^2/NDF : 48.4/16

Left Out: -15.931 ± 11.396 χ^2/NDF : 0.0/0

Right Out: 8.867 ± 2.901 χ^2/NDF : 27.5/19

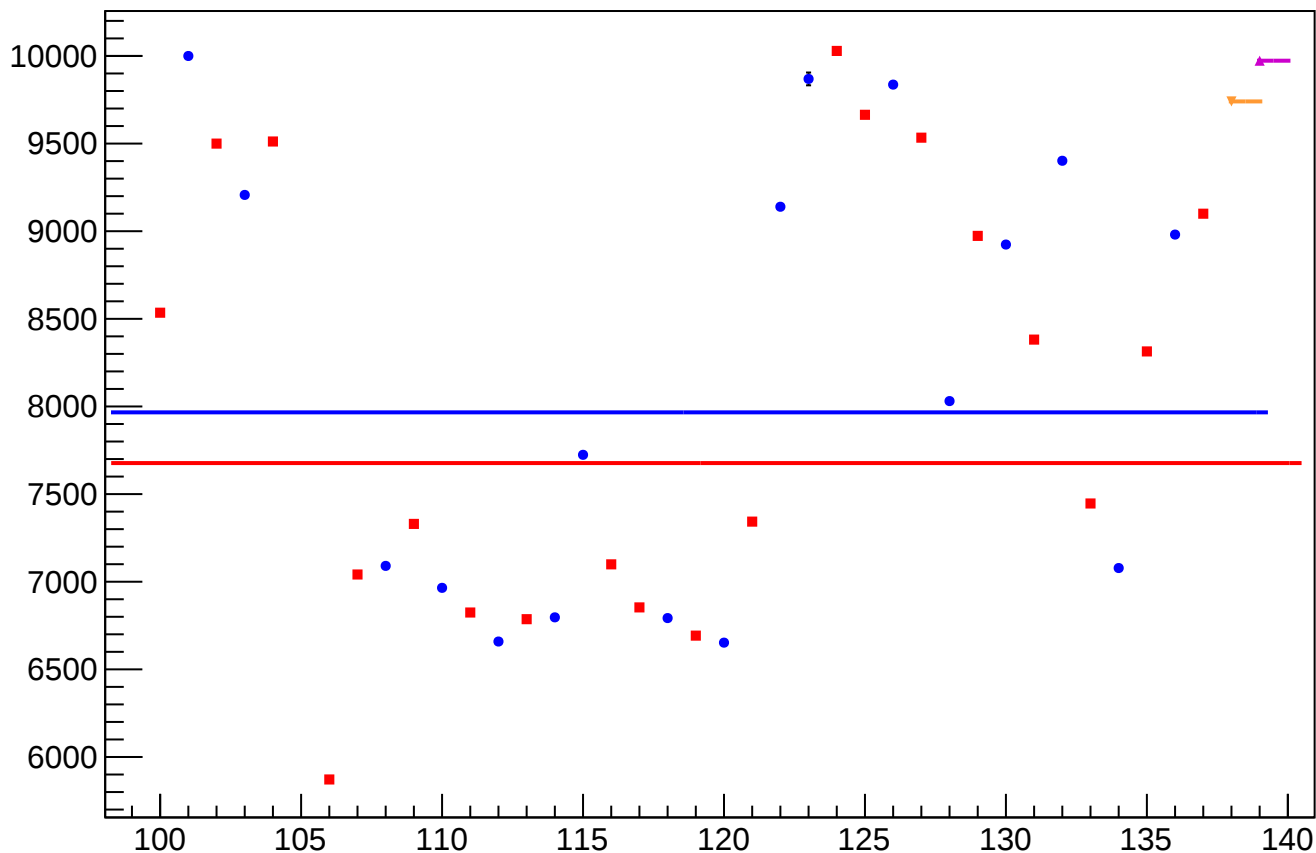
Left In: -33.285 ± 12.155 χ^2/NDF : 0.0/0

18.962 ± 3.001 χ^2/NDF : 58.5/17

12.398 ± 2.055 χ^2/NDF : 106.4/38

6.596 ± 2.821 χ^2/NDF : 38.9/20

diff_bpm0l08X_rms vs Slug, Sign Corrected



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

Left Out: 9740.509 $\pm$ 8.058 χ^2 /NDF: 0.0/0

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

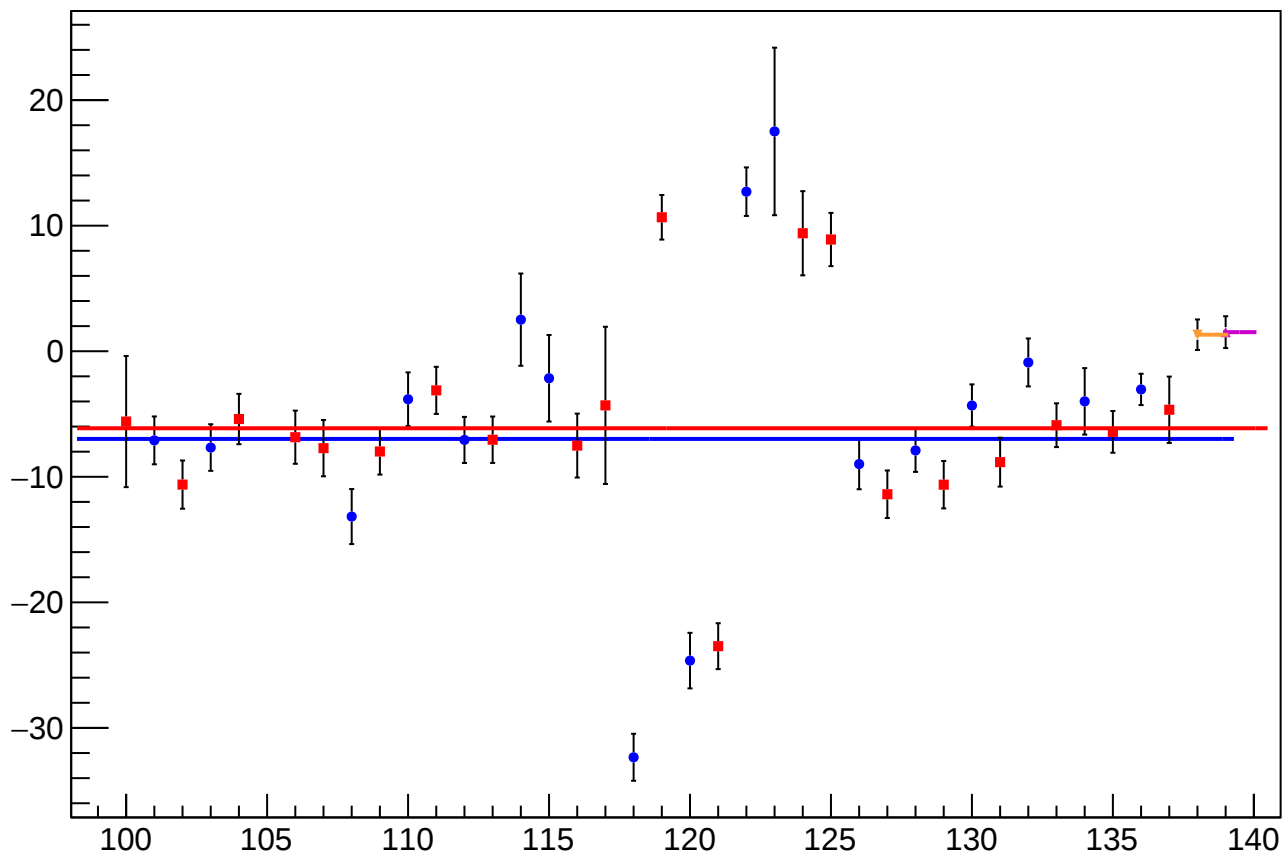
Left In: 9972.849 $\pm$ 8.595 χ^2 /NDF: 0.0/0

8089.399 $\pm$ 2.122 χ^2 /NDF: 341721.0/17

7936.184 $\pm$ 1.453 χ^2 /NDF: 735350.0/38

7800.731 $\pm$ 1.995 χ^2 /NDF: 383804.5/20

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -6.984 $\pm$ 0.486 χ^2/NDF : 408.5/16

Left Out: 1.316 $\pm$ 1.217 χ^2/NDF : 0.0/0

Right Out: -6.135 $\pm$ 0.465 χ^2/NDF : 277.6/19

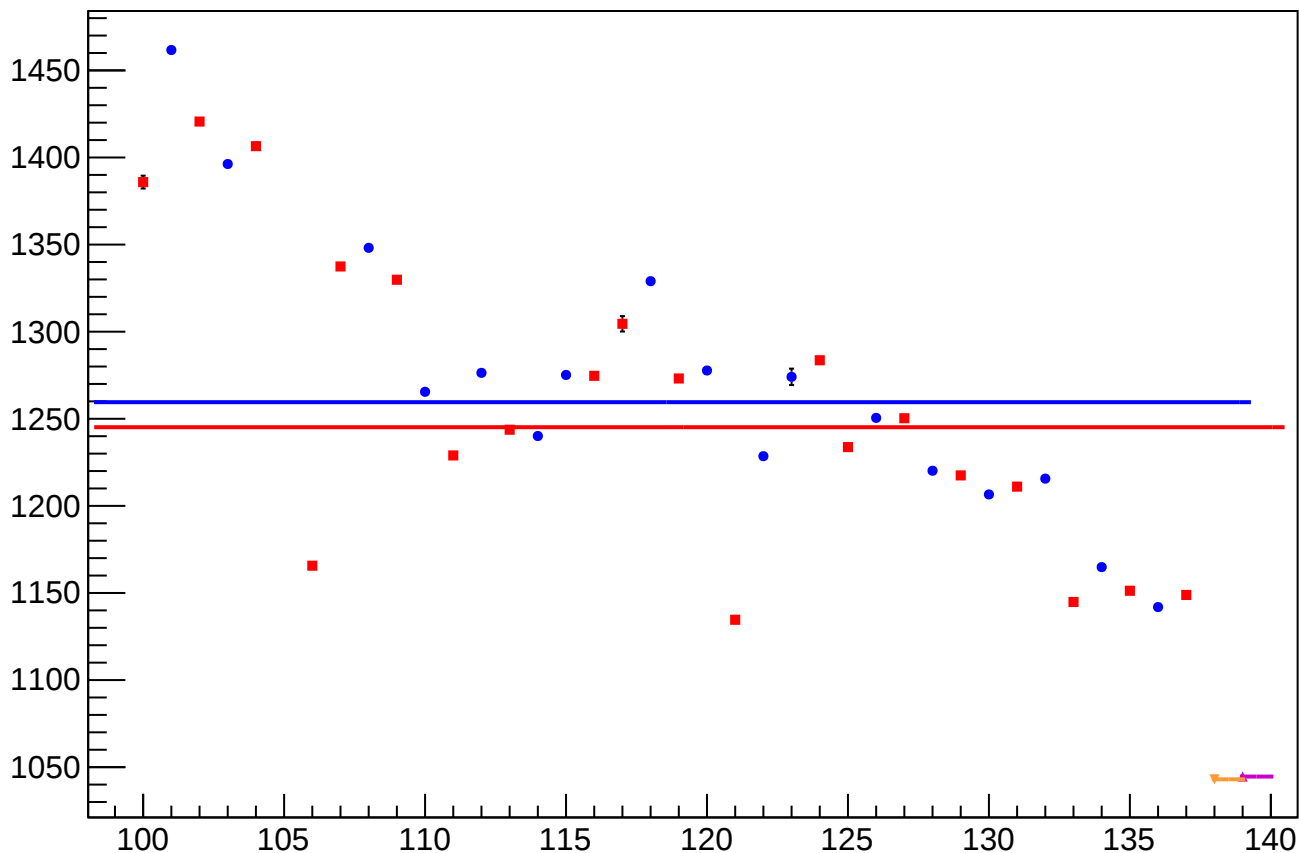
Left In: 1.519 $\pm$ 1.267 χ^2/NDF : 0.0/0

-5.841 $\pm$ 0.451 χ^2/NDF : 448.6/17

-5.523 $\pm$ 0.314 χ^2/NDF : 759.3/38

-5.225 $\pm$ 0.437 χ^2/NDF : 309.7/20

diff_bpm0l08Y_rms vs Slug, Sign Corrected



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

Left Out: 1043.035 $\pm$ 0.860 χ^2 /NDF: 0.0/0

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

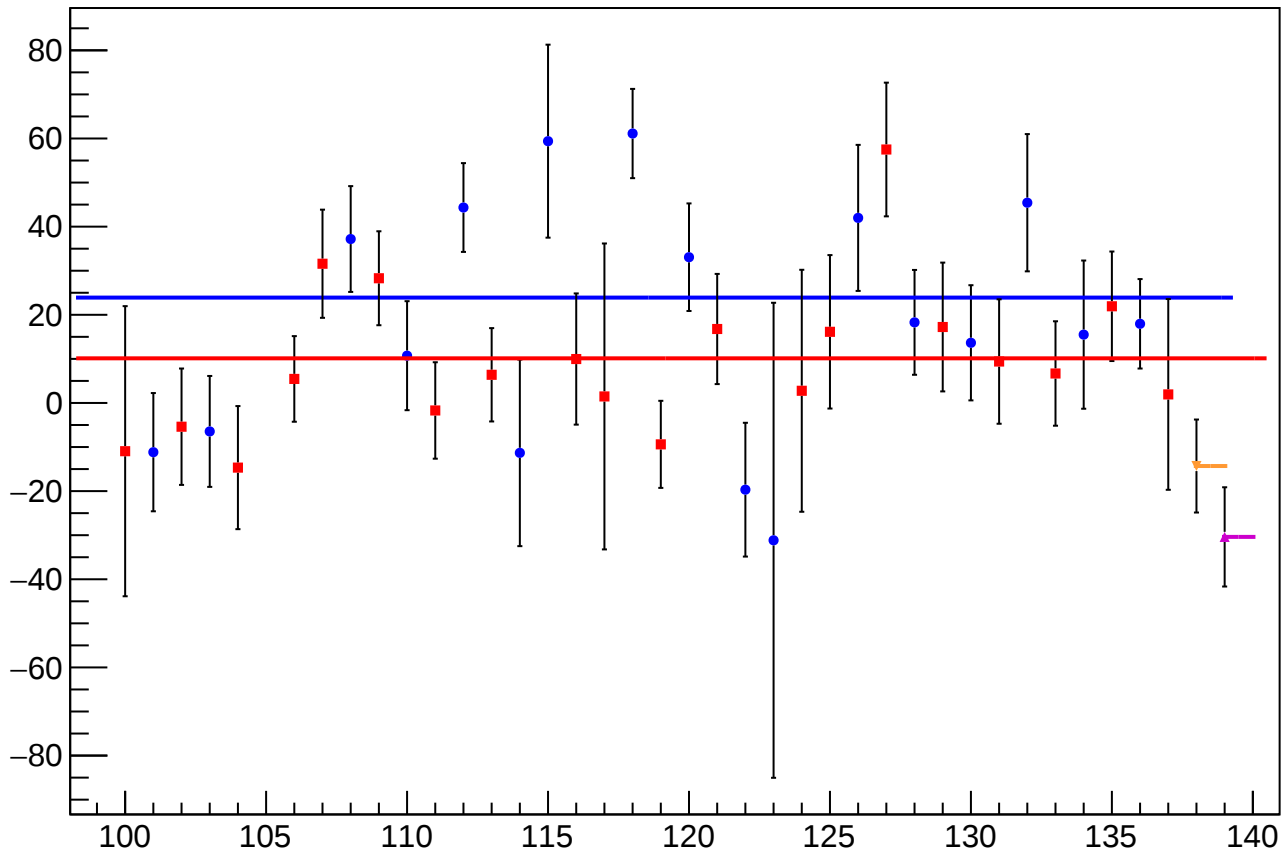
Left In: 1044.604 $\pm$ 0.896 χ^2 /NDF: 0.0/0

1229.731 $\pm$ 0.319 χ^2 /NDF: 119432.8/17

1225.390 $\pm$ 0.222 χ^2 /NDF: 230955.1/38

1221.327 $\pm$ 0.309 χ^2 /NDF: 111164.4/20

diff_bpm0l09X_mean vs Slug, Sign Corrected



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

Left Out: -14.308 $\pm$ 10.549 χ^2 /NDF: 0.0/0

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

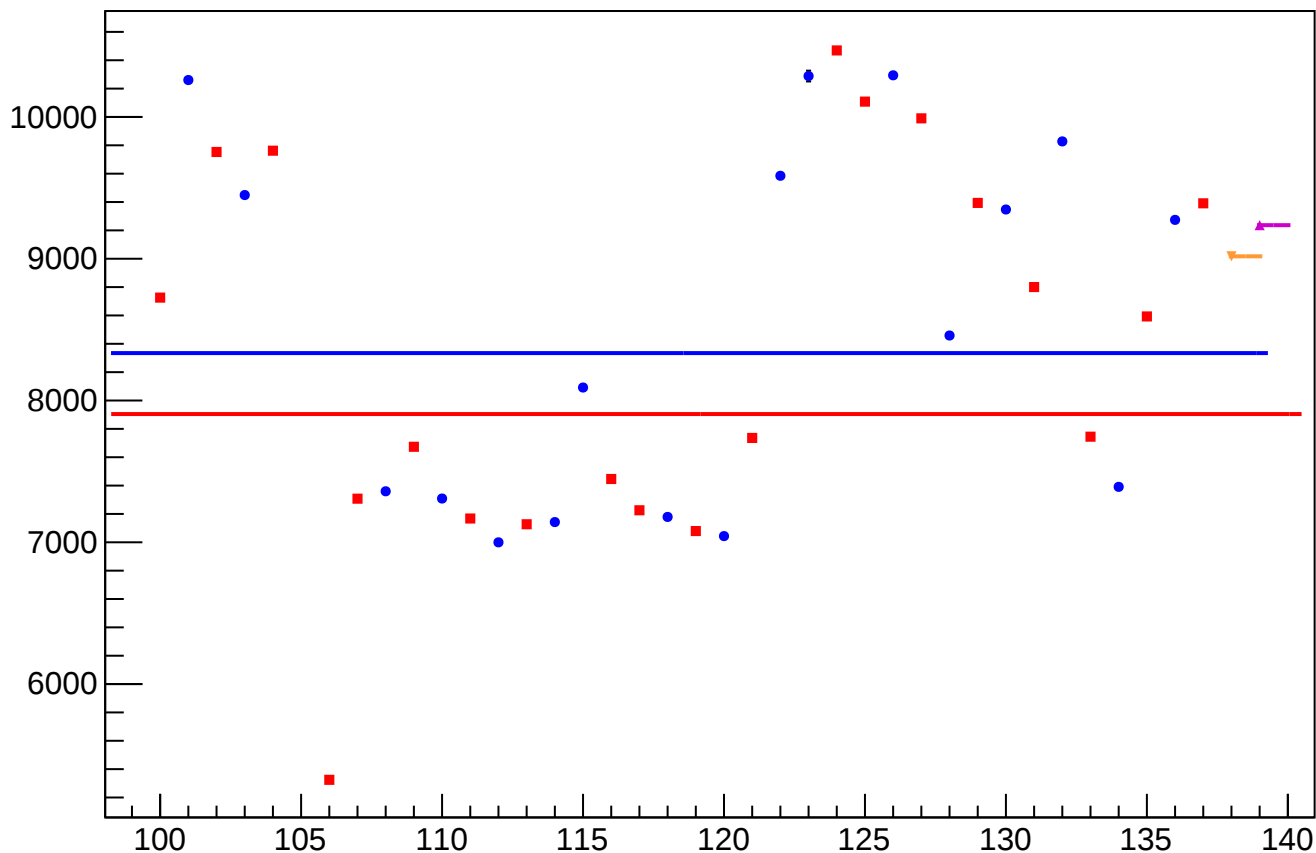
Left In: -30.386 $\pm$ 11.258 χ^2 /NDF: 0.0/0

20.591 $\pm$ 3.106 χ^2 /NDF: 64.4/17

13.554 $\pm$ 2.117 χ^2 /NDF: 114.1/38

7.448 $\pm$ 2.894 χ^2 /NDF: 40.1/20

diff_bpm0l09X_rms vs Slug, Sign Corrected



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

Left Out: 9017.074 $\pm$ 7.459 χ^2/NDF : 0.0/0

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

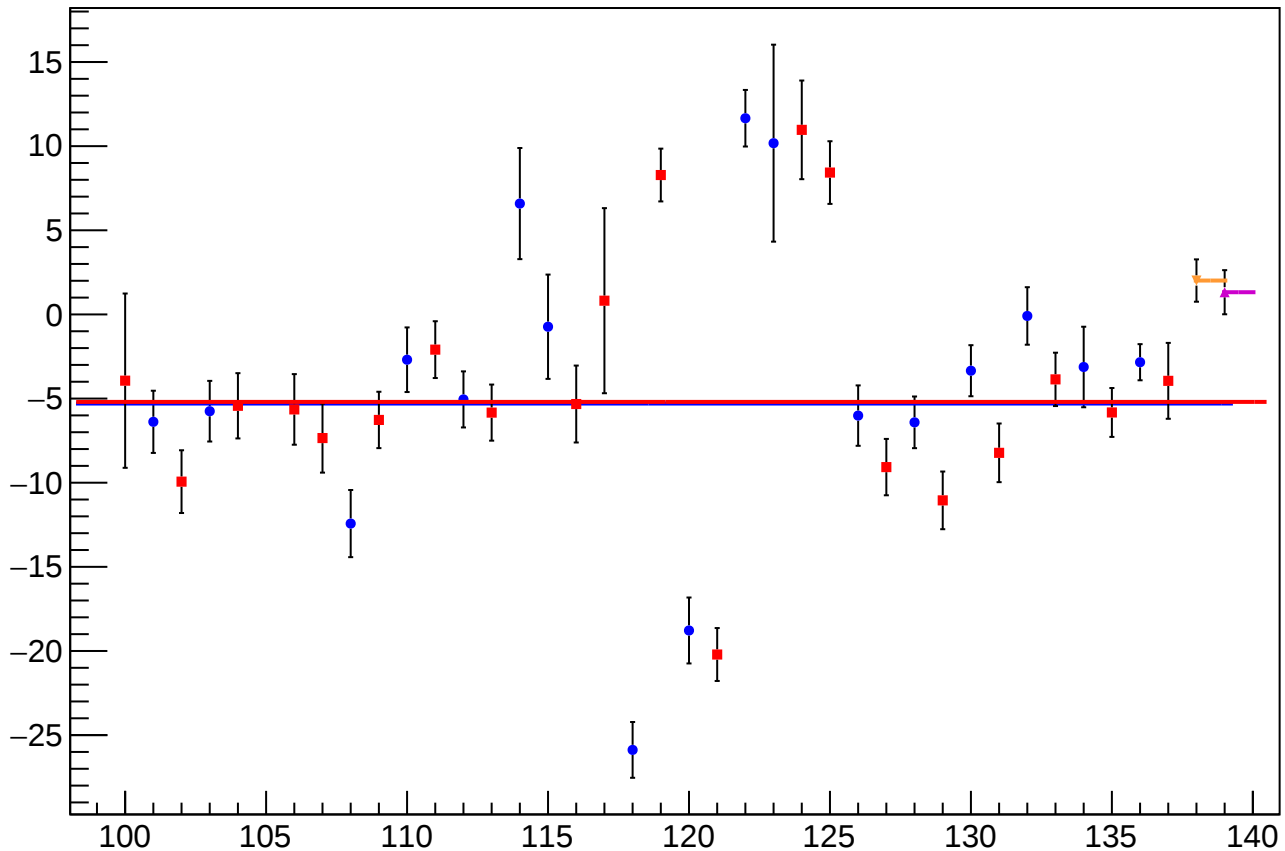
Left In: 9236.776 $\pm$ 7.961 χ^2/NDF : 0.0/0

8393.696 $\pm$ 2.197 χ^2/NDF : 279949.6/17

8178.920 $\pm$ 1.497 χ^2/NDF : 715552.0/38

7992.547 $\pm$ 2.046 χ^2/NDF : 417746.1/20

diff_bpm0l09Y_mean vs Slug, Sign Corrected



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

Left Out: 2.014 ± 1.258 χ^2/NDF : 0.0/0

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

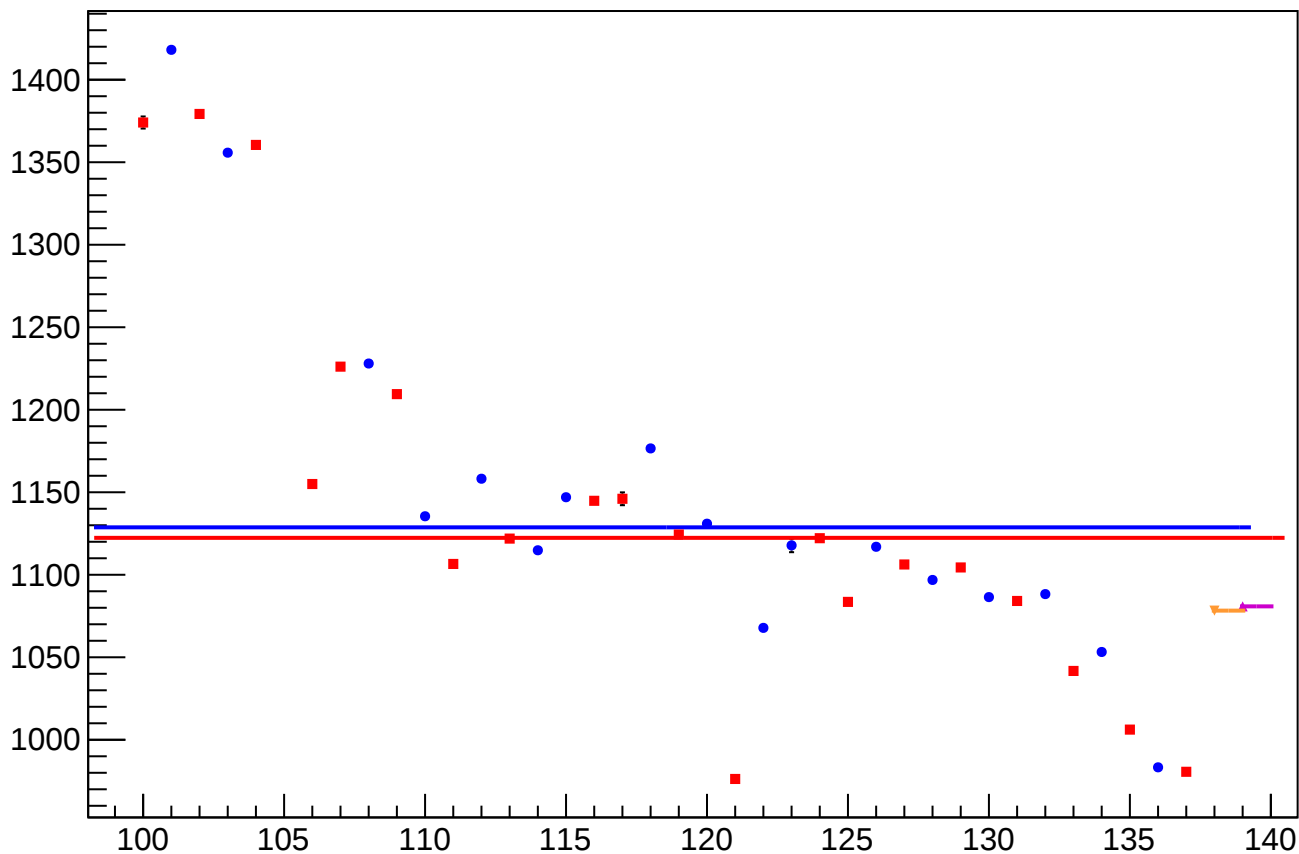
Left In: 1.320 ± 1.311 χ^2/NDF : 0.0/0

-4.509 ± 0.413 χ^2/NDF : 388.3/17

-4.551 ± 0.287 χ^2/NDF : 693.8/38

-4.590 ± 0.400 χ^2/NDF : 305.5/20

diff_bpm0l09Y_rms vs Slug, Sign Corrected



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

Left Out: 1078.273 $\pm$ 0.890 χ^2 /NDF: 0.0/0

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

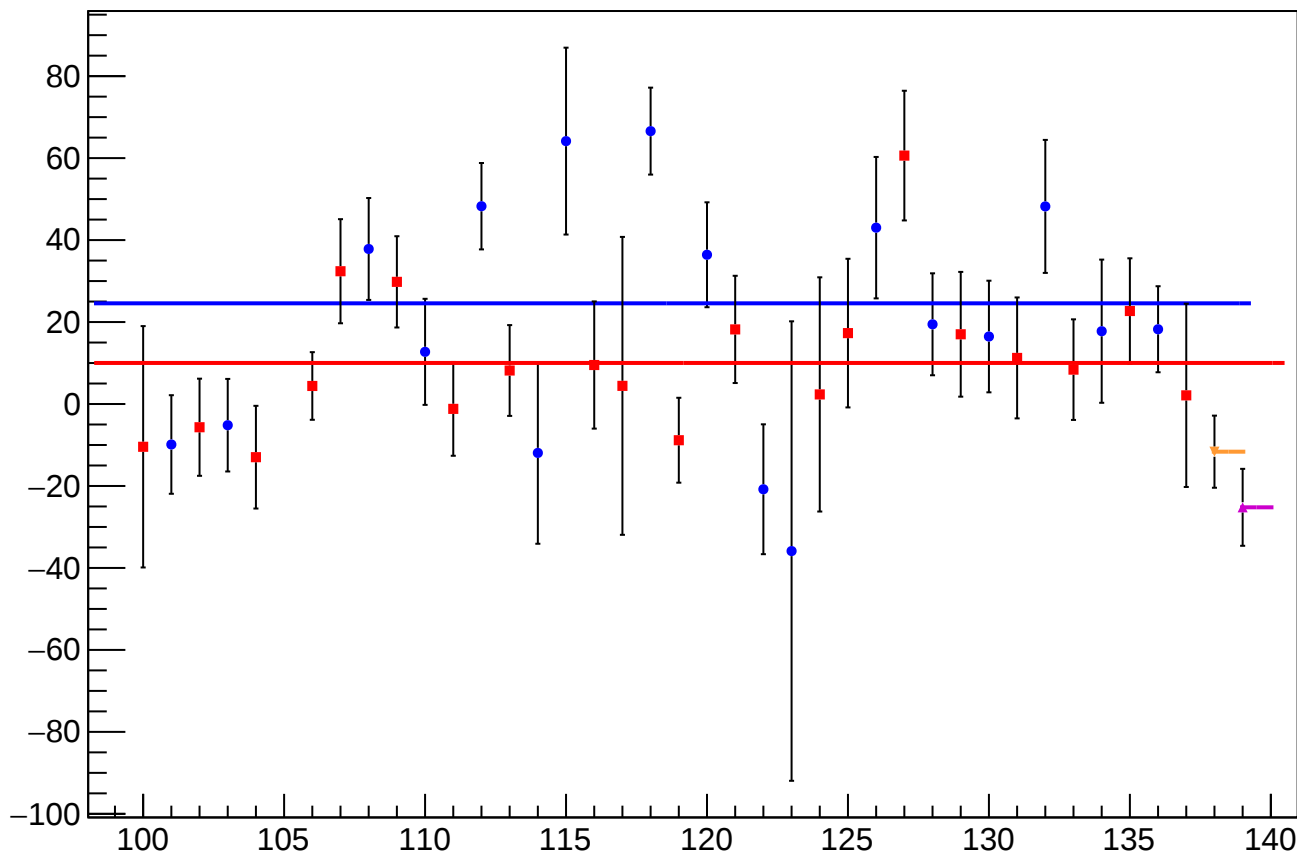
Left In: 1080.854 $\pm$ 0.927 χ^2 /NDF: 0.0/0

1123.310 $\pm$ 0.292 χ^2 /NDF: 135969.1/17

1120.834 $\pm$ 0.203 χ^2 /NDF: 267567.0/38

1118.505 $\pm$ 0.283 χ^2 /NDF: 131458.2/20

diff_bpm0l10X_mean vs Slug, Sign Corrected



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

Left Out: -11.632 $\pm$ 8.799 χ^2 /NDF: 0.0/0

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

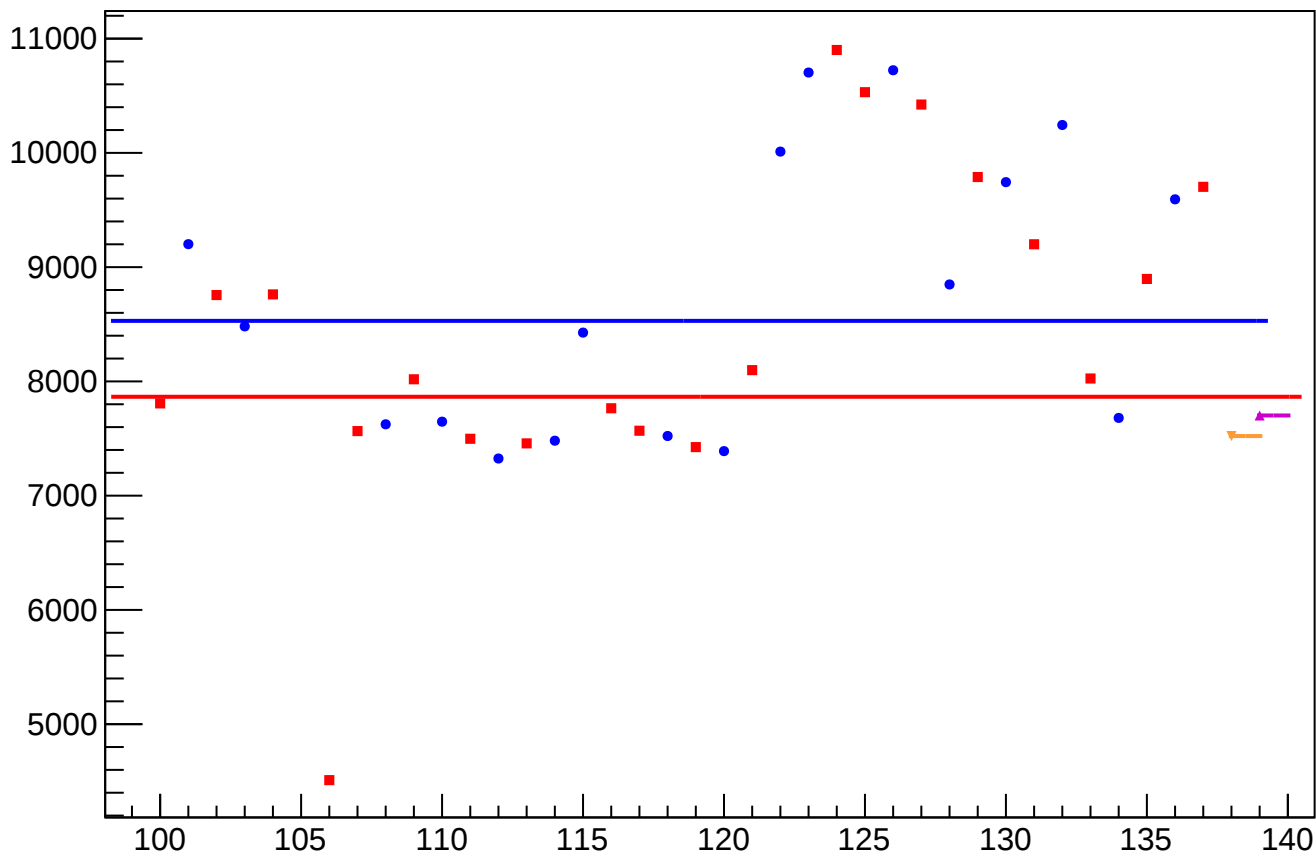
Left In: -25.207 $\pm$ 9.387 χ^2 /NDF: 0.0/0

20.061 $\pm$ 3.105 χ^2 /NDF: 72.9/17

12.854 $\pm$ 2.102 χ^2 /NDF: 124.5/38

6.759 $\pm$ 2.855 χ^2 /NDF: 41.6/20

diff_bpm0l10X_rms vs Slug, Sign Corrected



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

Left Out: 7521.735+/-6.222 χ^2/NDF : 0.0/0

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

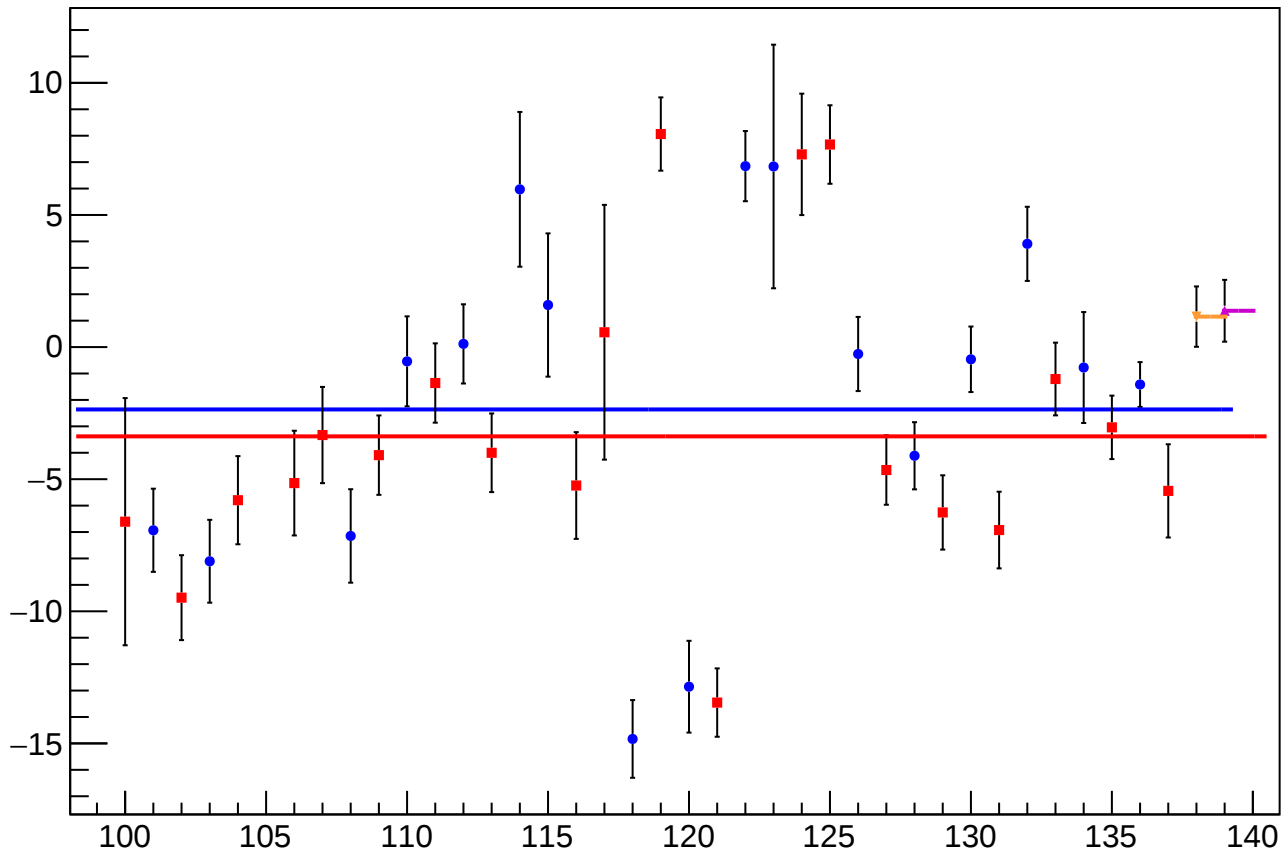
Left In: 7701.817+/-6.638 χ^2/NDF : 0.0/0

8404.295+/-2.195 χ^2/NDF : 231319.3/17

8104.198+/-1.486 χ^2/NDF : 822332.2/38

7850.400+/-2.019 χ^2/NDF : 556528.5/20

diff_bpm0l10Y_mean vs Slug, Sign Corrected



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

Left Out: 1.153 ± 1.142 χ^2/NDF : 0.0/0

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

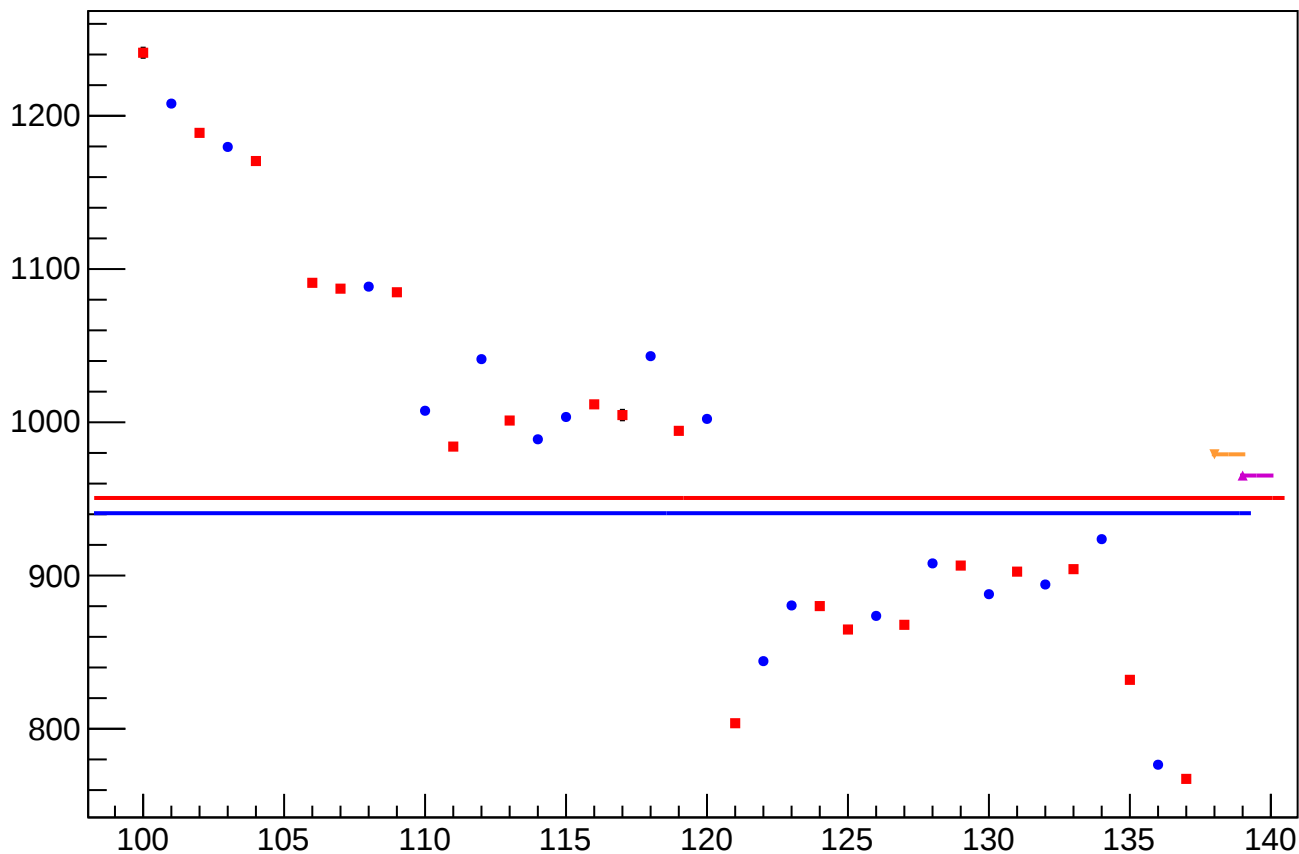
Left In: 1.374 ± 1.170 χ^2/NDF : 0.0/0

-2.034 ± 0.348 χ^2/NDF : 240.6/17

-2.513 ± 0.244 χ^2/NDF : 501.5/38

-2.974 ± 0.342 χ^2/NDF : 257.2/20

diff_bpm0l10Y_rms vs Slug, Sign Corrected



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

Left Out: 979.099 $\pm$ 0.808 χ^2 /NDF: 0.0/0

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

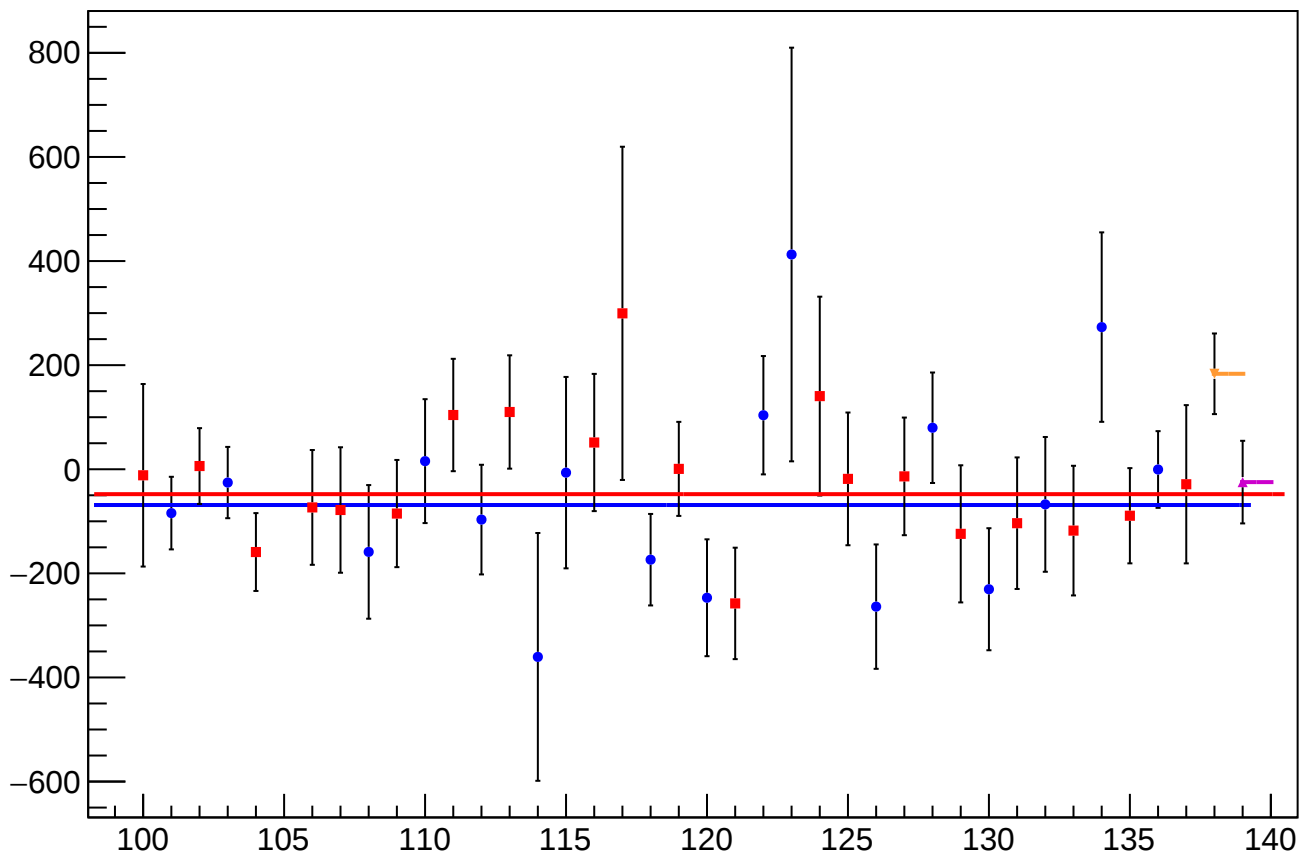
Left In: 965.260 $\pm$ 0.827 χ^2 /NDF: 0.0/0

944.253 $\pm$ 0.246 χ^2 /NDF: 243821.0/17

948.130 $\pm$ 0.172 χ^2 /NDF: 465525.9/38

951.864 $\pm$ 0.242 χ^2 /NDF: 221218.0/20

diff_bpm0r03X_mean vs Slug, Sign Corrected



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

Left Out: 183.414 $\pm$ 77.463 χ^2/NDF : 0.0/0

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

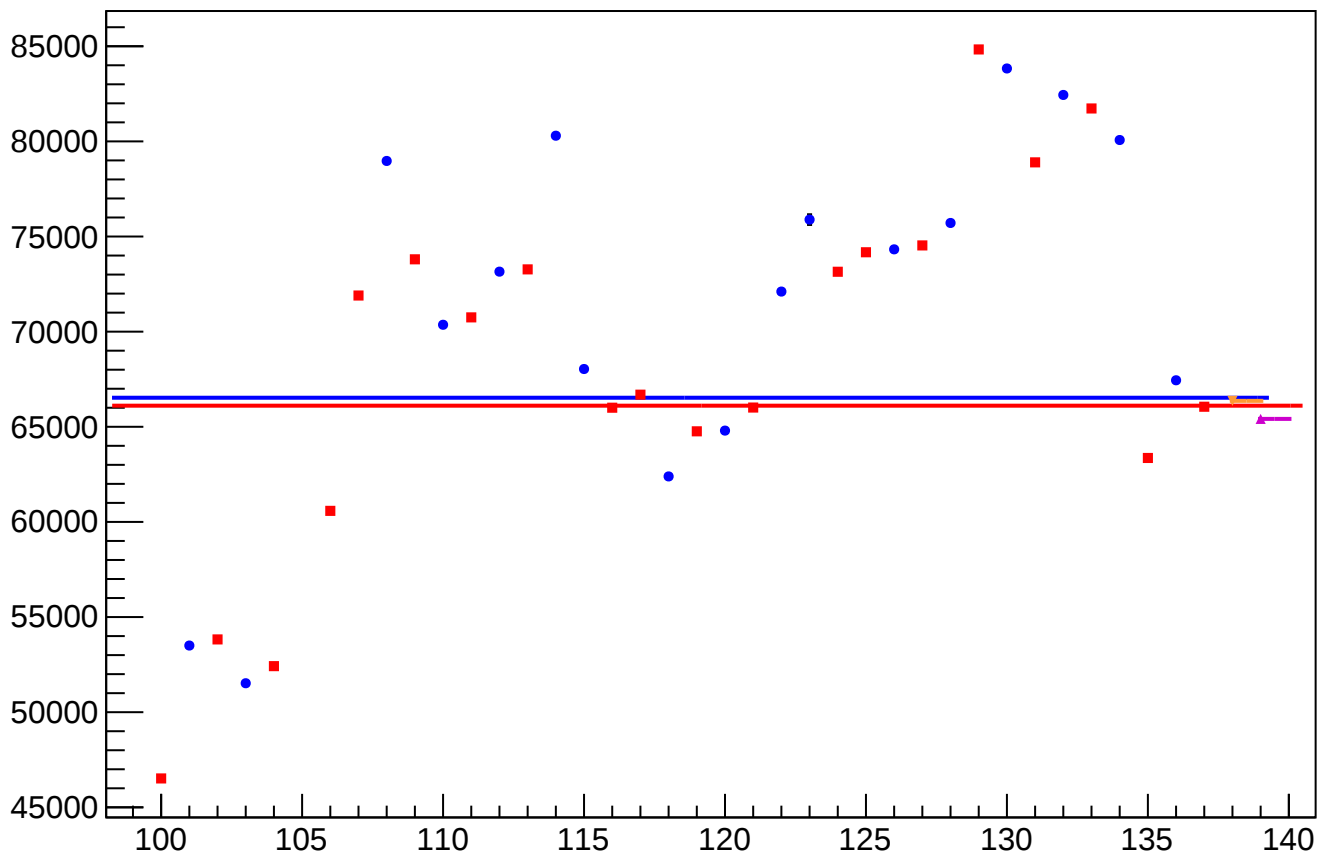
Left In: -24.700 $\pm$ 79.351 χ^2/NDF : 0.0/0

-43.258 $\pm$ 24.603 χ^2/NDF : 31.3/17

-44.548 $\pm$ 17.104 χ^2/NDF : 46.6/38

-45.755 $\pm$ 23.796 χ^2/NDF : 15.3/20

diff_bpm0r03X_rms vs Slug, Sign Corrected



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

Left Out: 66363.490+/-54.774 χ^2/NDF : 0.0/0

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

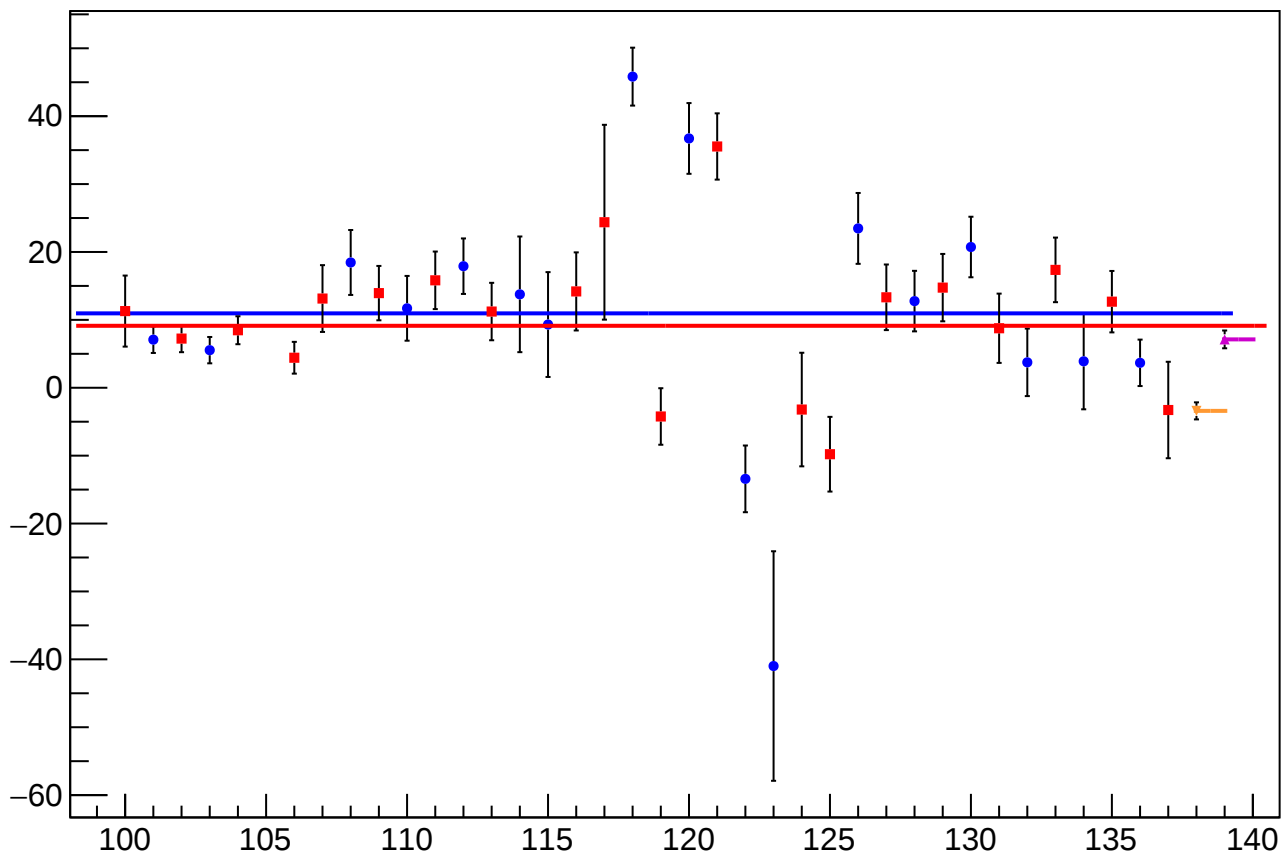
Left In: 65414.671+/-56.110 χ^2/NDF : 0.0/0

66510.732+/-17.397 χ^2/NDF : 320895.3/17

66271.090+/-12.094 χ^2/NDF : 619894.0/3

66046.911+/-16.826 χ^2/NDF : 298631.4/20

diff_bpm0r03Y_mean vs Slug, Sign Corrected



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

Left Out: -3.405 $\pm$ 1.256 χ^2 /NDF: 0.0/0

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

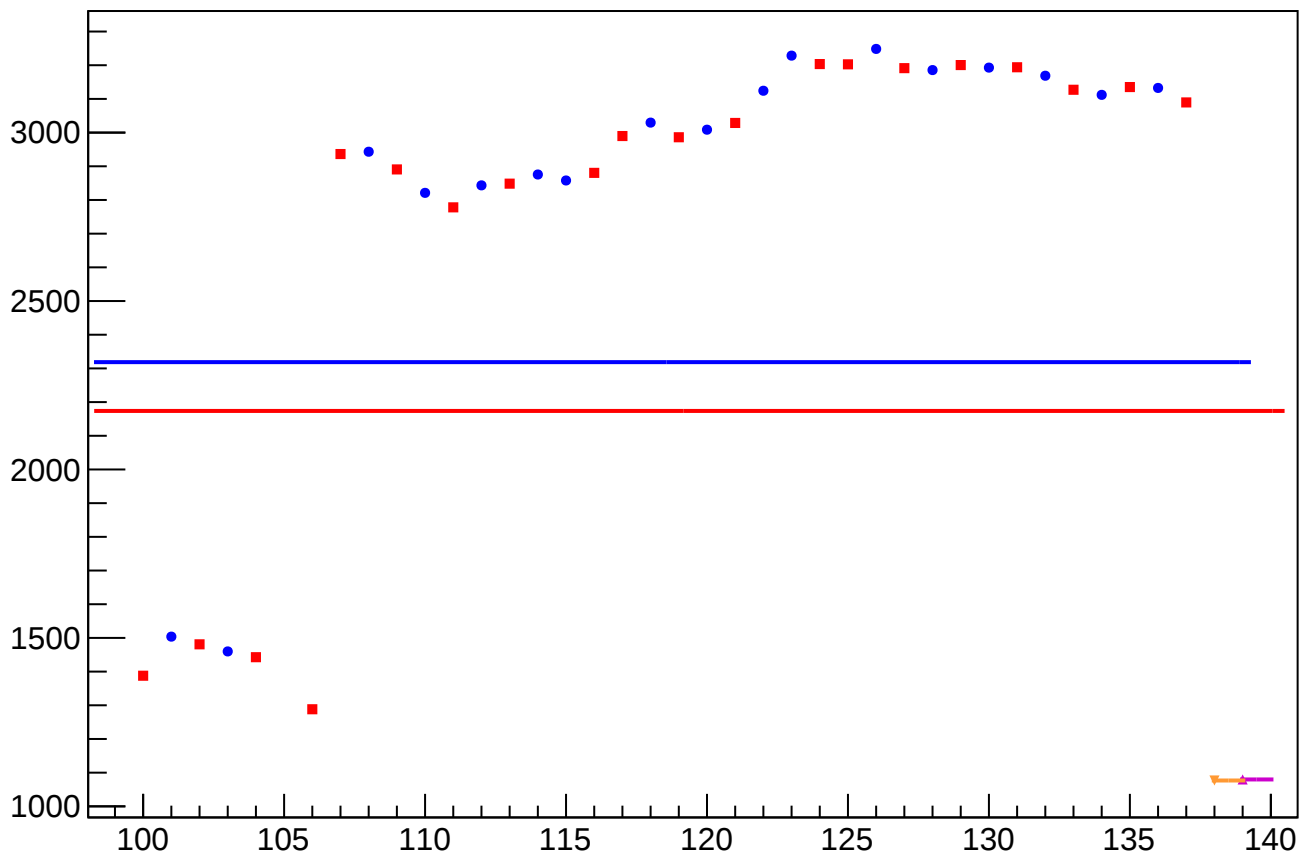
Left In: 7.124 $\pm$ 1.310 χ^2 /NDF: 0.0/0

5.779 $\pm$ 0.754 χ^2 /NDF: 244.5/17

7.210 $\pm$ 0.521 χ^2 /NDF: 327.3/38

8.519 $\pm$ 0.722 χ^2 /NDF: 75.9/20

diff_bpm0r03Y_rms vs Slug, Sign Corrected



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

Left Out: 1076.736+/-0.888 χ^2/NDF : 0.0/0

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

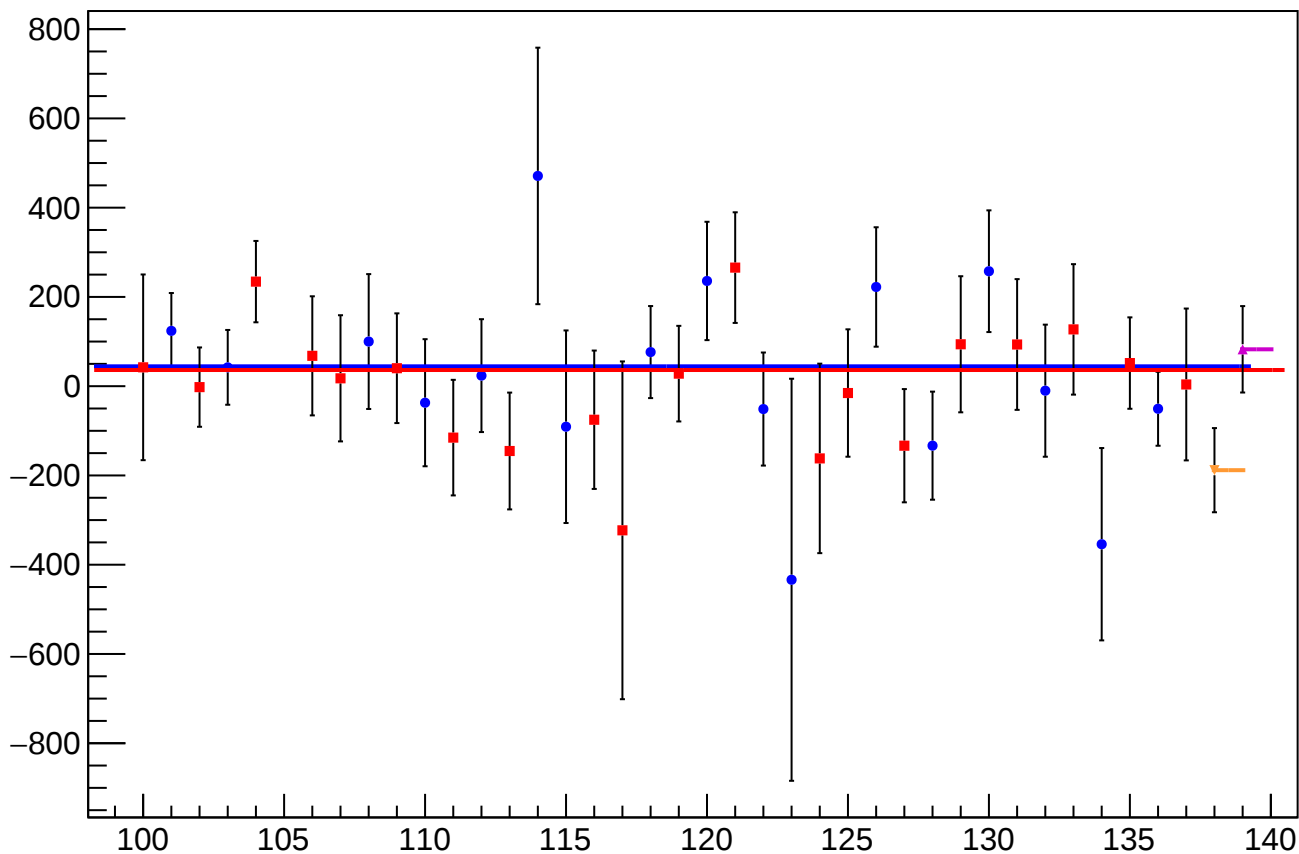
Left In: 1079.827+/-0.926 χ^2/NDF : 0.0/0

1870.885+/-0.533 χ^2/NDF : 2658400.6/17

1855.600+/-0.369 χ^2/NDF : 5391922.1/38

1841.608+/-0.510 χ^2/NDF : 2731948.1/20

diff_bpm0r05X_mean vs Slug, Sign Corrected



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

Left Out: -188.189 $\pm$ 94.303 χ^2 /NDF: 0.0/0

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

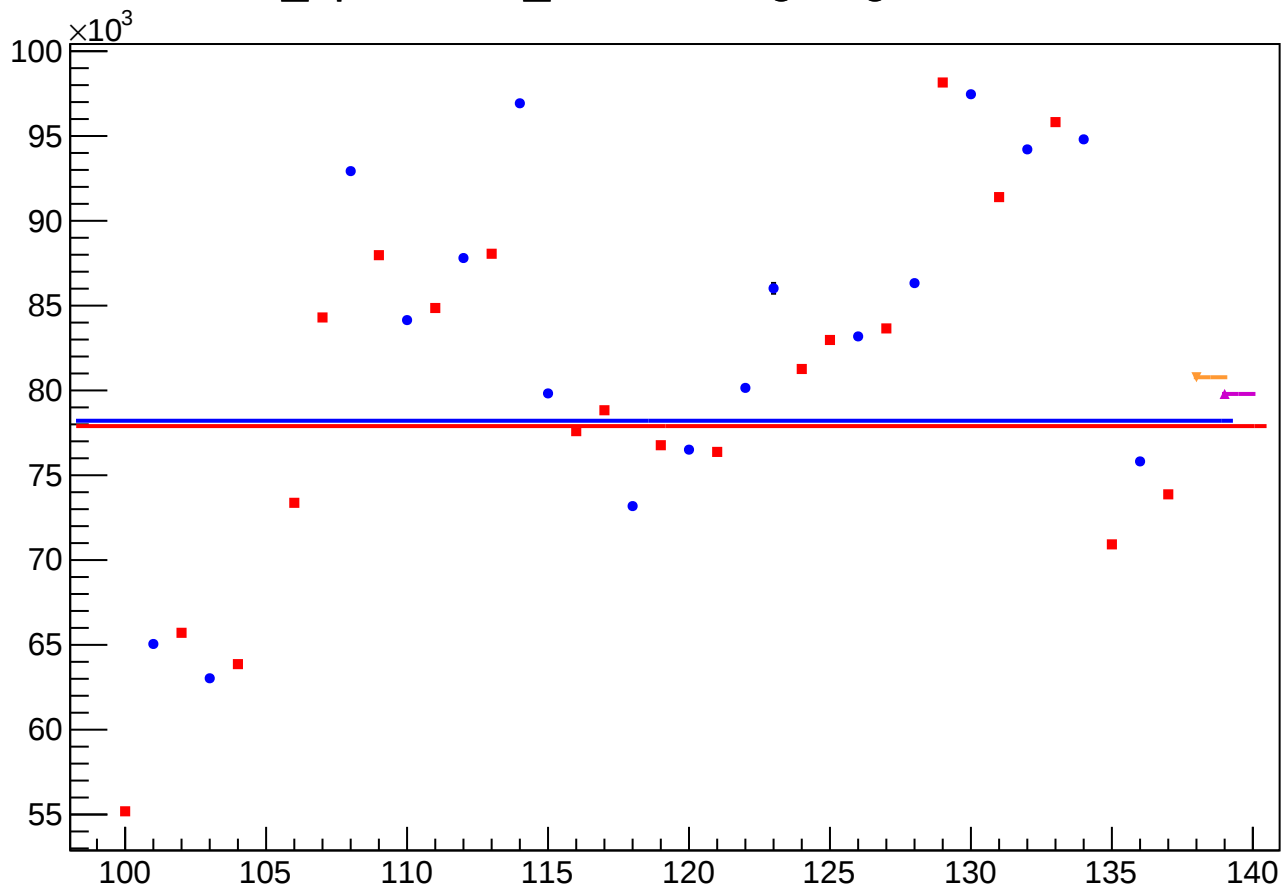
Left In: 82.633 $\pm$ 96.810 χ^2 /NDF: 0.0/0

22.539 $\pm$ 28.961 χ^2 /NDF: 24.6/17

31.618 $\pm$ 20.161 χ^2 /NDF: 41.7/38

40.155 $\pm$ 28.084 χ^2 /NDF: 16.9/20

diff_bpm0r05X_rms vs Slug, Sign Corrected



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

Left Out: 80777.522 ± 66.682 $\chi^2/\text{NDF}: 0.0/0$

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

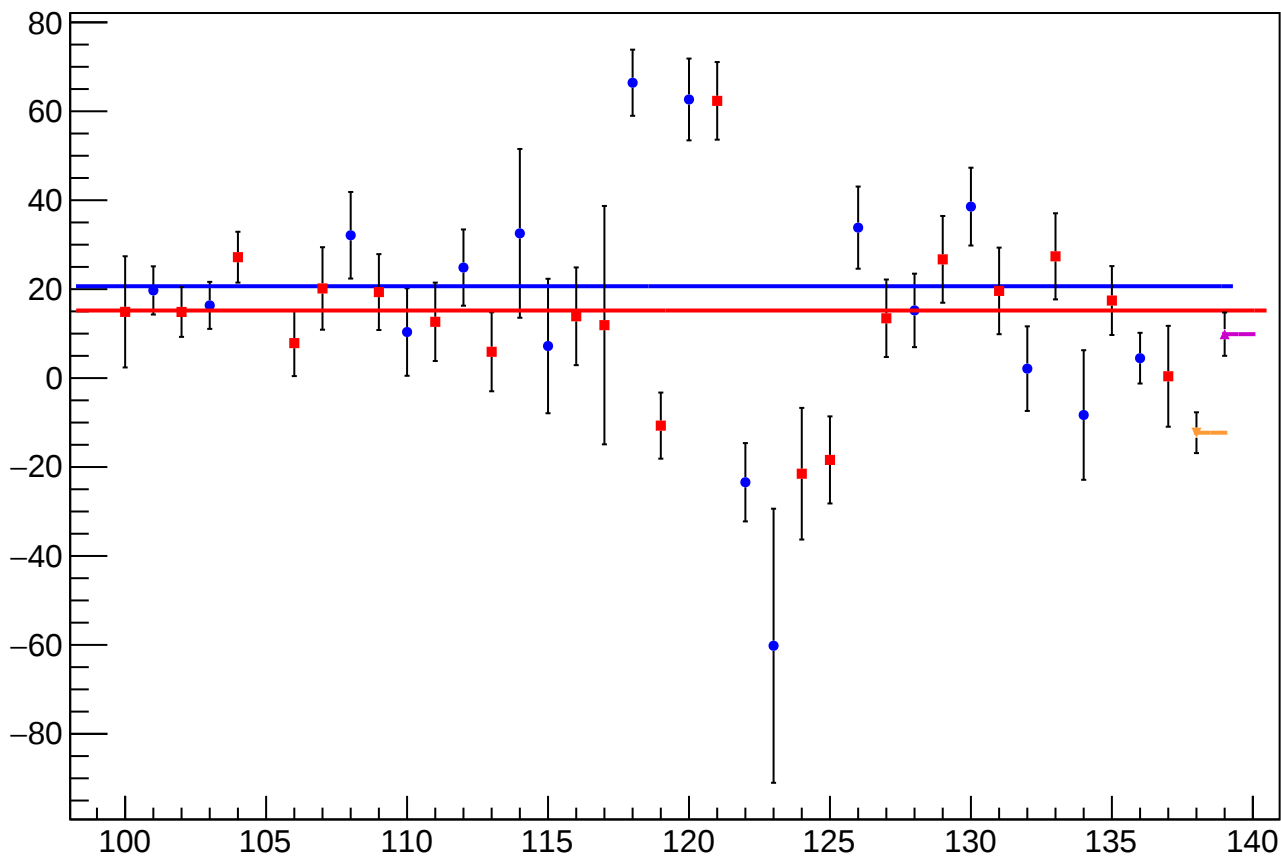
Left In: 79793.613 ± 68.455 $\chi^2/\text{NDF}: 0.0/0$

78454.896 ± 20.479 $\chi^2/\text{NDF}: 252396.2/17$

78249.914 ± 14.256 $\chi^2/\text{NDF}: 500275.7/3$

78057.156 ± 19.859 $\chi^2/\text{NDF}: 247685.1/20$

diff_bpm0r05Y_mean vs Slug, Sign Corrected



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

Left Out: -12.281 $\pm$ 4.588 χ^2 /NDF: 0.0/0

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

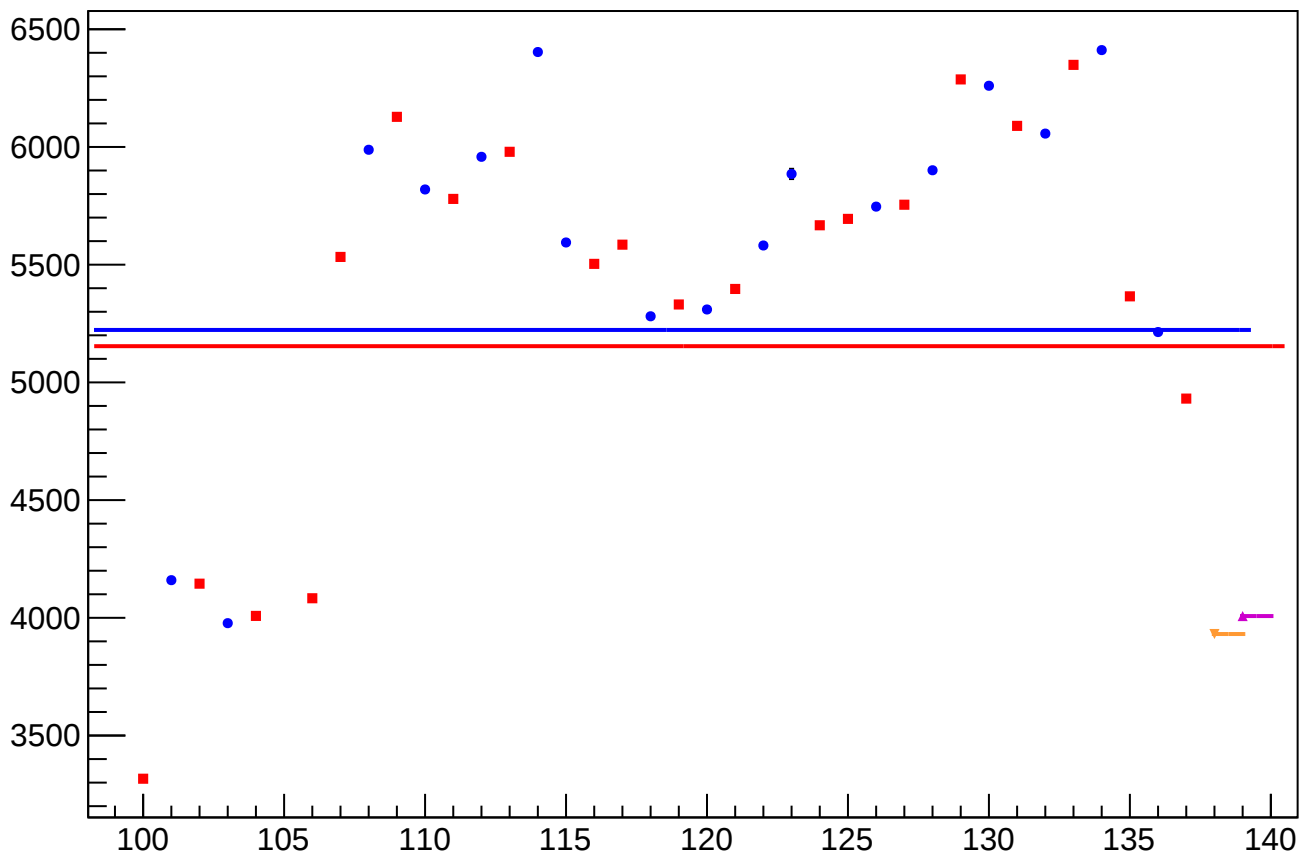
Left In: 9.880 $\pm$ 4.871 χ^2 /NDF: 0.0/0

15.239 $\pm$ 1.861 χ^2 /NDF: 160.8/17

14.841 $\pm$ 1.297 χ^2 /NDF: 233.2/38

14.464 $\pm$ 1.810 χ^2 /NDF: 72.4/20

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 5222.767+/-1.440 χ^2/NDF : 312497.9/16

Left Out: 3931.185+/-3.244 χ^2/NDF : 0.0/0

Right Out: 5153.826+/-1.379 χ^2/NDF : 388205.9/19

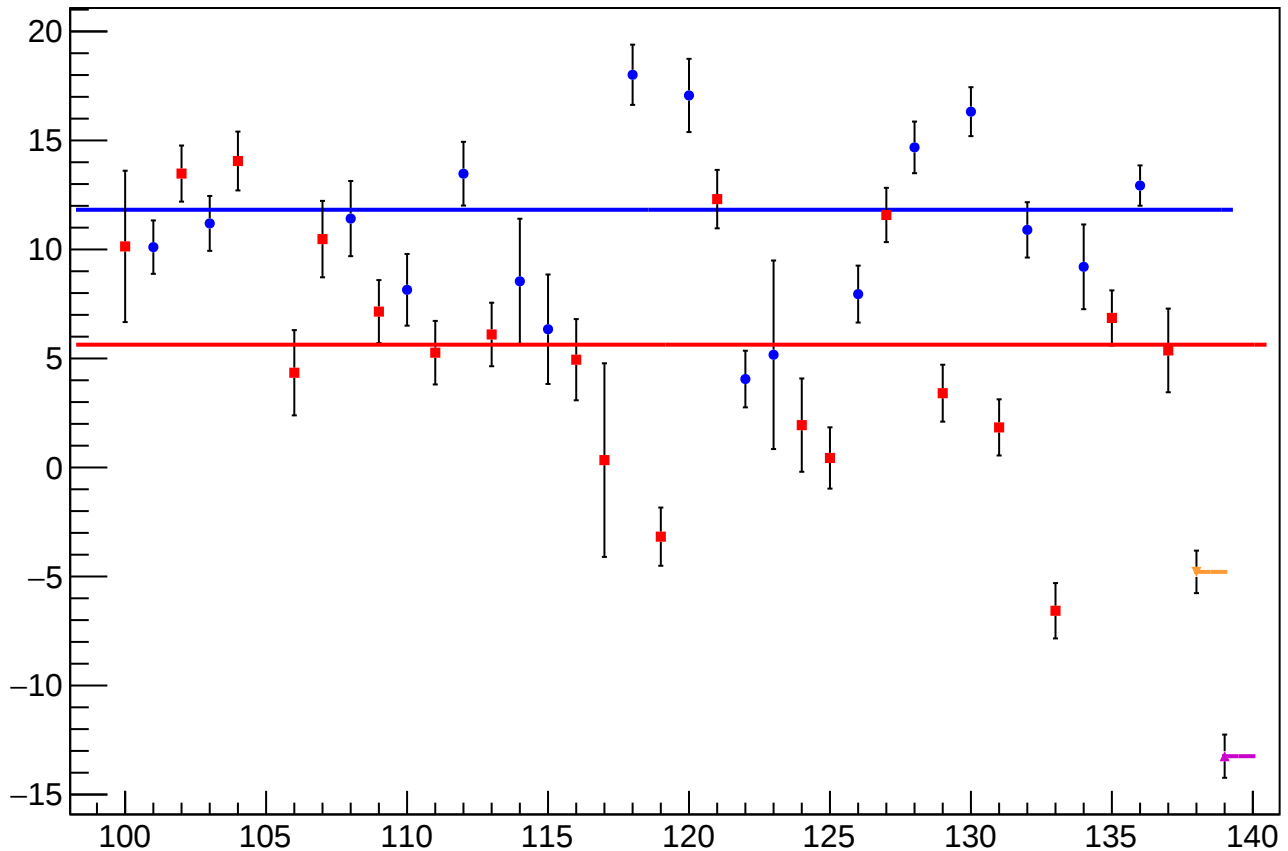
Left In: 4007.473+/-3.444 χ^2/NDF : 0.0/0

5010.308+/-1.316 χ^2/NDF : 444908.7/17

5002.713+/-0.917 χ^2/NDF : 928670.4/38

4995.528+/-1.280 χ^2/NDF : 483696.8/20

diff_bpm2i01X_mean vs Slug, Sign Corrected



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

Left Out: -4.788 $\pm$ 0.975 χ^2 /NDF: 0.0/0

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

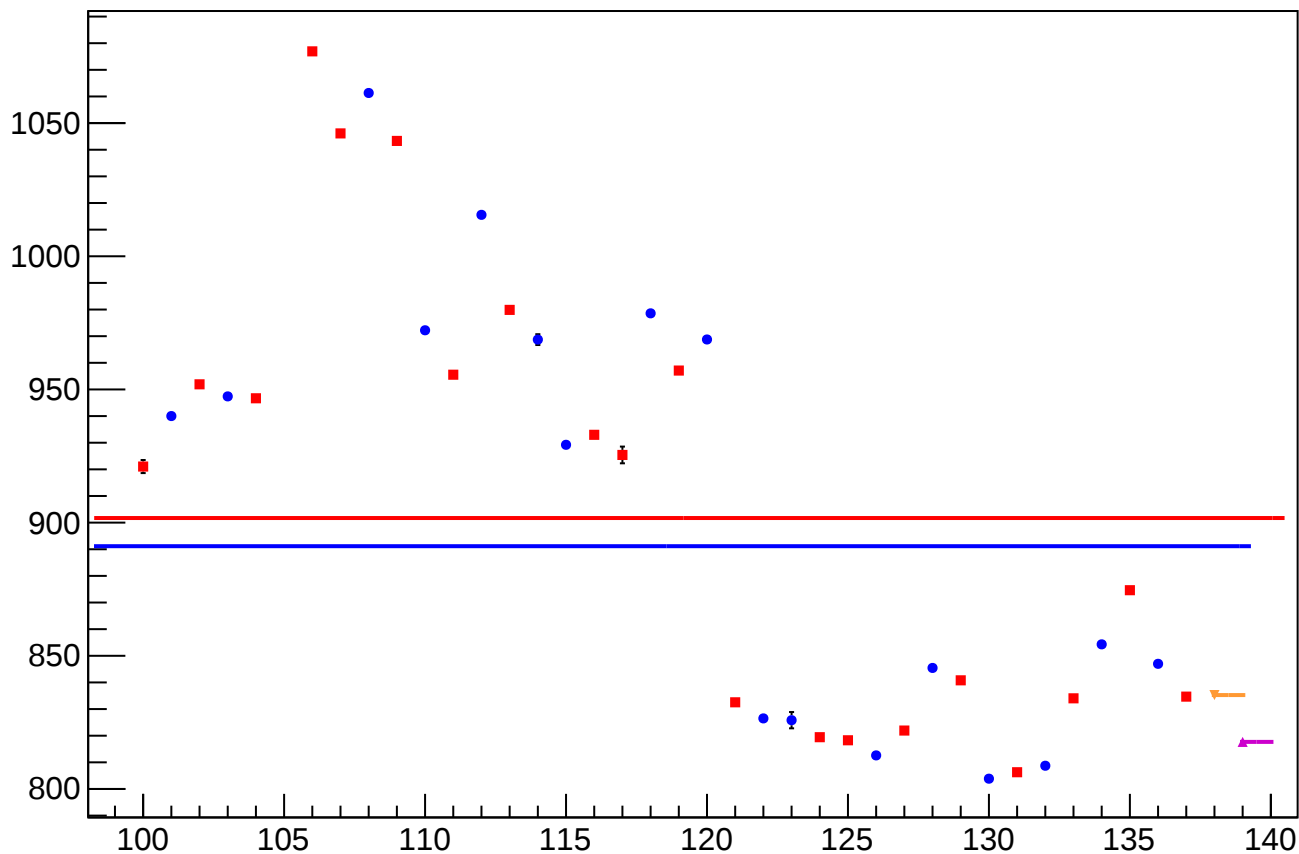
Left In: -13.242 $\pm$ 0.991 χ^2 /NDF: 0.0/0

9.977 $\pm$ 0.325 χ^2 /NDF: 375.1/17

6.771 $\pm$ 0.228 χ^2 /NDF: 1193.5/38

3.670 $\pm$ 0.319 χ^2 /NDF: 626.7/20

diff_bpm2i01X_rms vs Slug, Sign Corrected



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

Left Out: 835.257 $\pm$ 0.689 χ^2 /NDF: 0.0/0

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

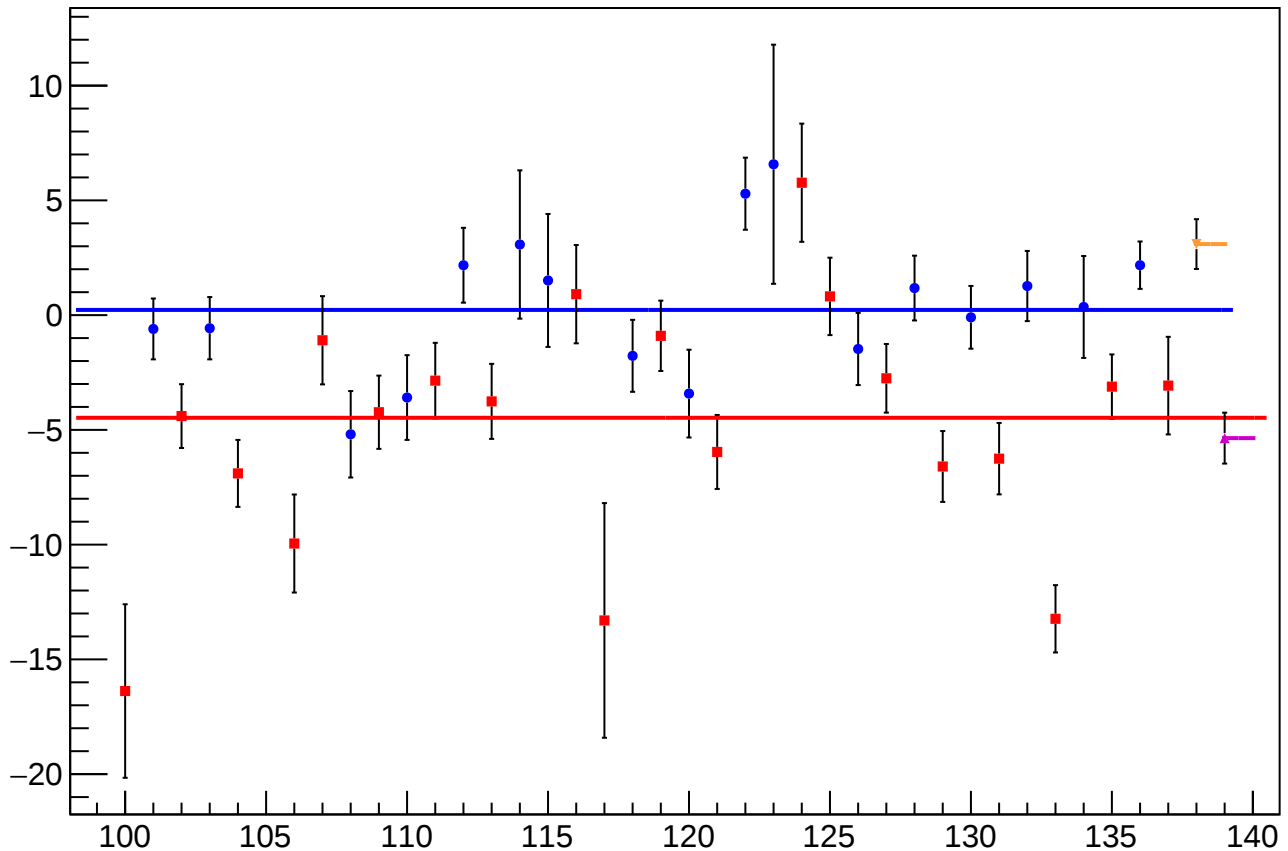
Left In: 817.675 $\pm$ 0.701 χ^2 /NDF: 0.0/0

884.943 $\pm$ 0.230 χ^2 /NDF: 107504.9/17

889.032 $\pm$ 0.161 χ^2 /NDF: 235672.7/38

892.988 $\pm$ 0.226 χ^2 /NDF: 127544.2/20

diff_bpm2i01Y_mean vs Slug, Sign Corrected



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

Left Out: 3.096 $\pm$ 1.085 χ^2/NDF : 0.0/0

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

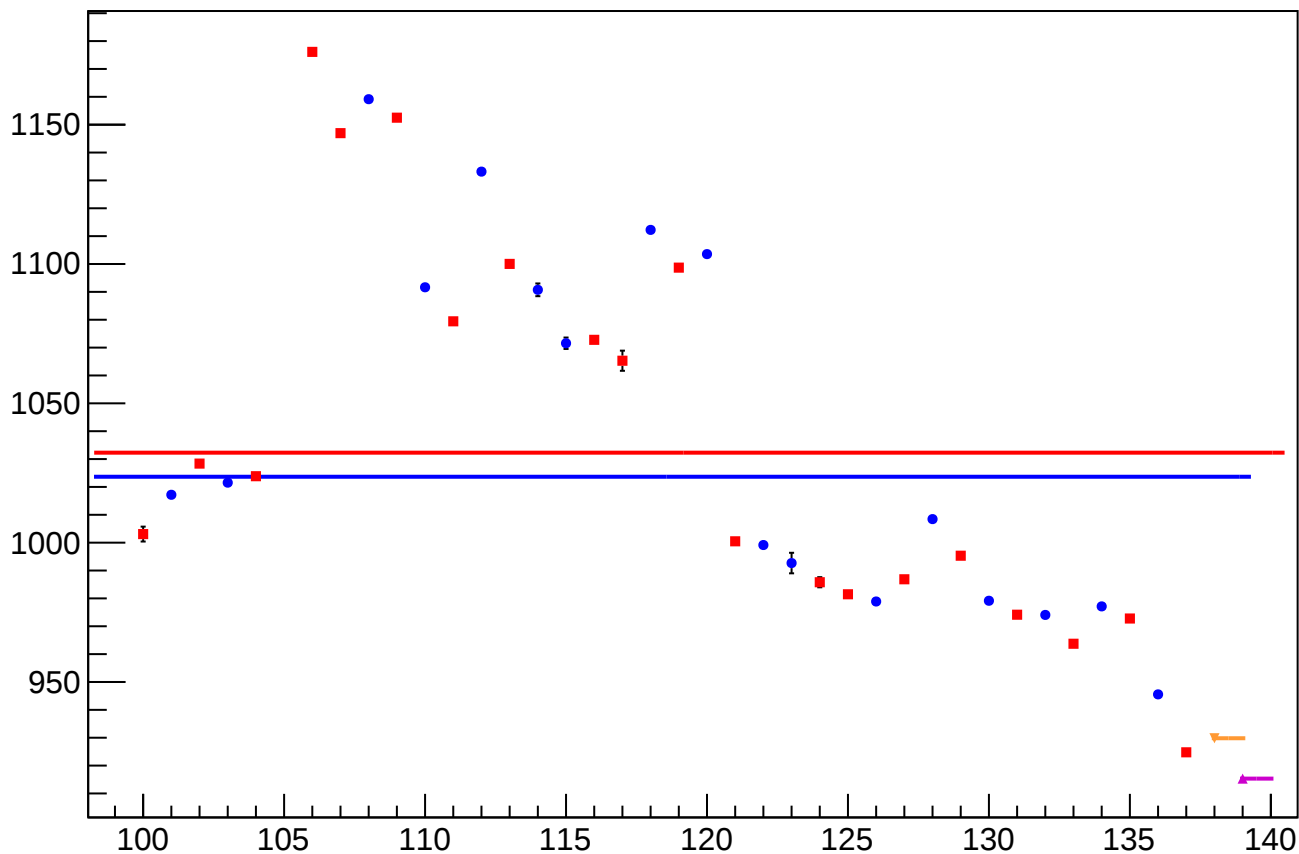
Left In: -5.359 $\pm$ 1.109 χ^2/NDF : 0.0/0

0.563 $\pm$ 0.371 χ^2/NDF : 44.7/17

-2.051 $\pm$ 0.260 χ^2/NDF : 249.0/38

-4.569 $\pm$ 0.364 χ^2/NDF : 106.9/20

diff_bpm2i01Y_rms vs Slug, Sign Corrected



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

Left Out: 929.811 $\pm$ 0.767 χ^2 /NDF: 0.0/0

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

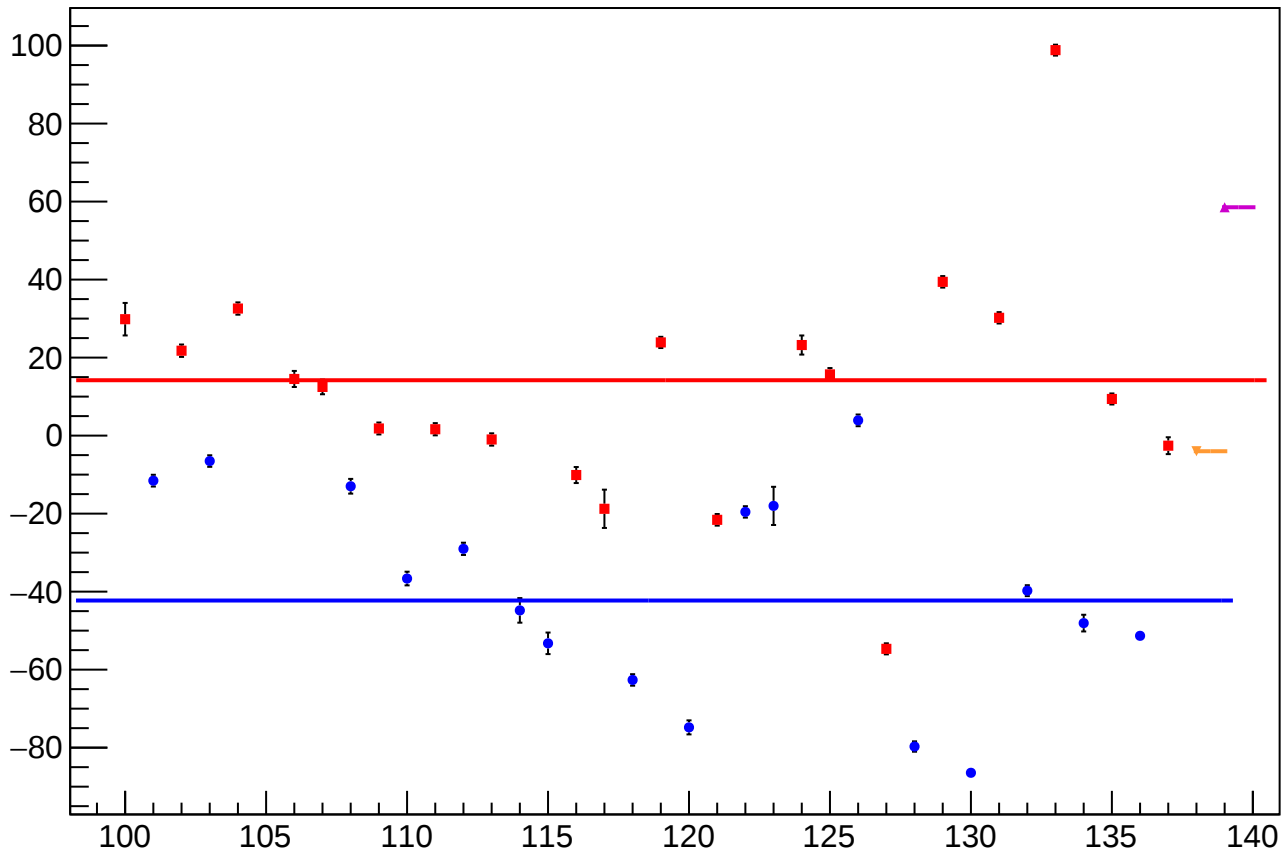
Left In: 915.325 $\pm$ 0.784 χ^2 /NDF: 0.0/0

1012.671 $\pm$ 0.262 χ^2 /NDF: 65586.7/17

1016.244 $\pm$ 0.184 χ^2 /NDF: 145267.1/38

1019.684 $\pm$ 0.258 χ^2 /NDF: 79316.8/20

diff_bpm2i02X_mean vs Slug, Sign Corrected



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

Left Out: -4.003 ± 1.083 χ^2/NDF : 0.0/0

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

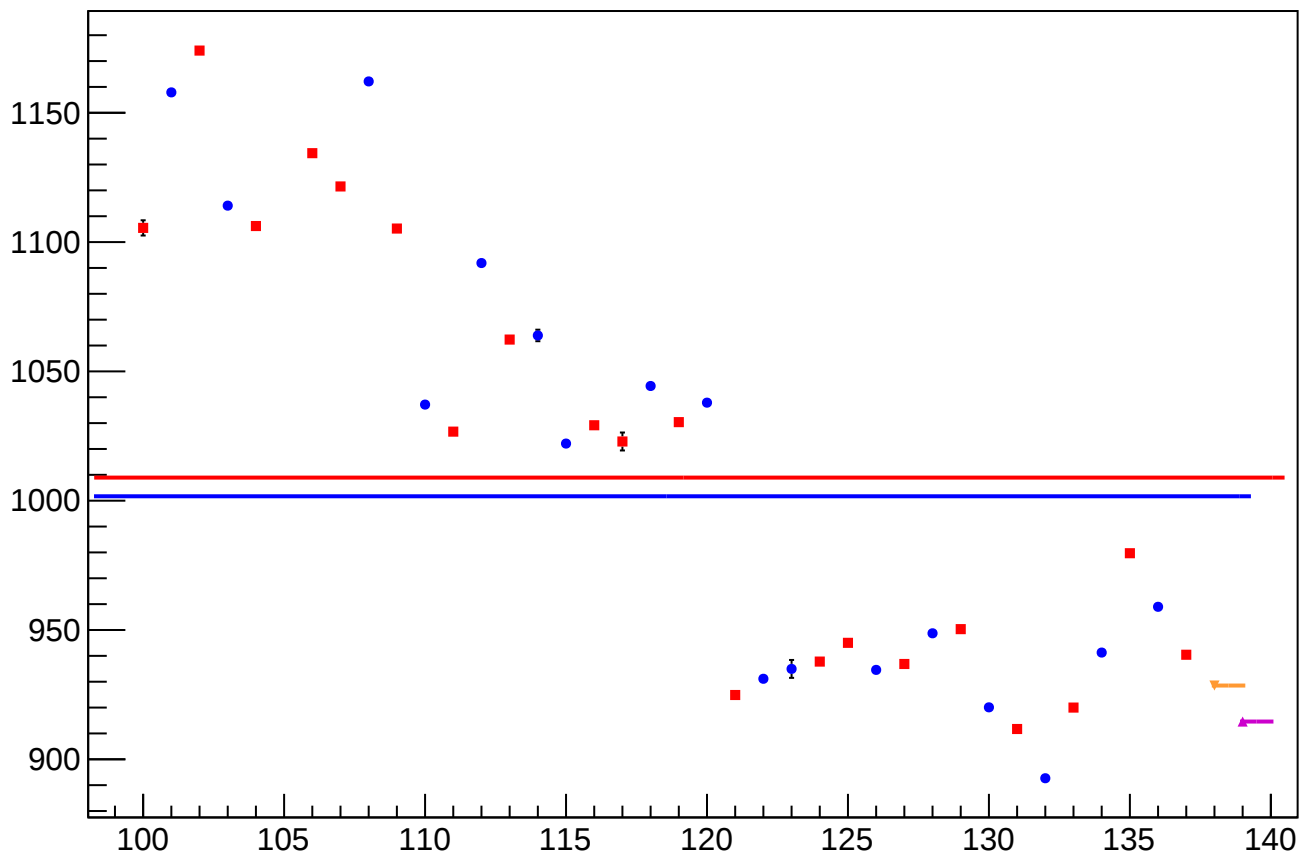
Left In: 58.544 ± 1.108 χ^2/NDF : 0.0/0

-37.943 ± 0.365 χ^2/NDF : 6234.1/17

-8.993 ± 0.255 χ^2/NDF : 27746.4/38

18.804 ± 0.357 χ^2/NDF : 9149.9/20

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 1001.706+/-0.274 χ^2/NDF : 95480.0/16

Left Out: 928.522+/-0.766 χ^2/NDF : 0.0/0

Right Out: 1008.931+/-0.267 χ^2/NDF : 95366.1/19

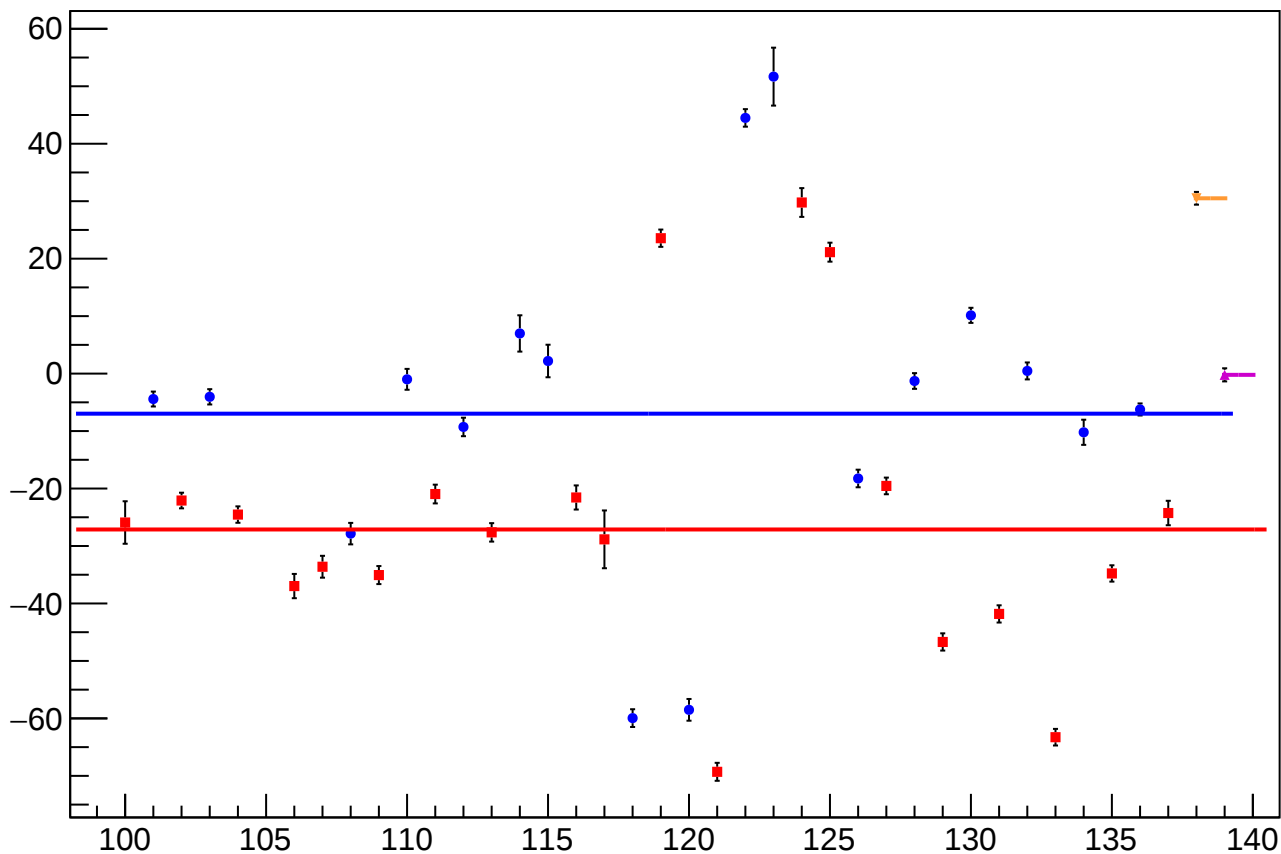
Left In: 914.597+/-0.784 χ^2/NDF : 0.0/0

993.416+/-0.258 χ^2/NDF : 103576.1/17

996.332+/-0.180 χ^2/NDF : 212177.6/38

999.131+/-0.253 χ^2/NDF : 108350.7/20

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.974 $\pm$ 0.388 χ^2/NDF : 3636.9/16

Left Out: 30.505 $\pm$ 1.111 χ^2/NDF : 0.0/0

Right Out: -27.125 $\pm$ 0.379 χ^2/NDF : 4283.6/19

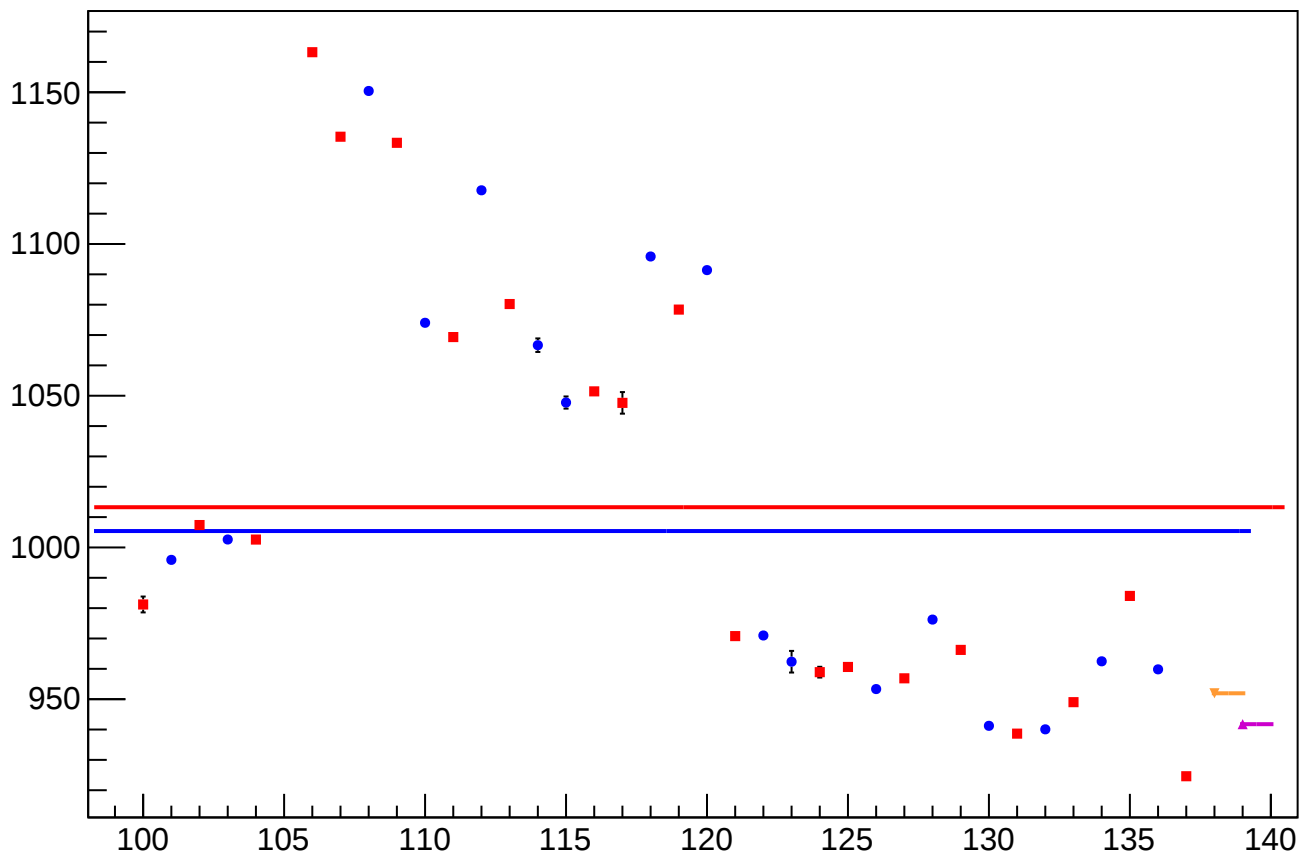
Left In: -0.217 $\pm$ 1.141 χ^2/NDF : 0.0/0

-2.898 $\pm$ 0.366 χ^2/NDF : 4652.0/17

-13.886 $\pm$ 0.256 χ^2/NDF : 11202.6/38

-24.459 $\pm$ 0.359 χ^2/NDF : 4784.5/20

diff_bpm2i02Y_rms vs Slug, Sign Corrected



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

Left Out: 951.943 $\pm$ 0.785 χ^2 /NDF: 0.0/0

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

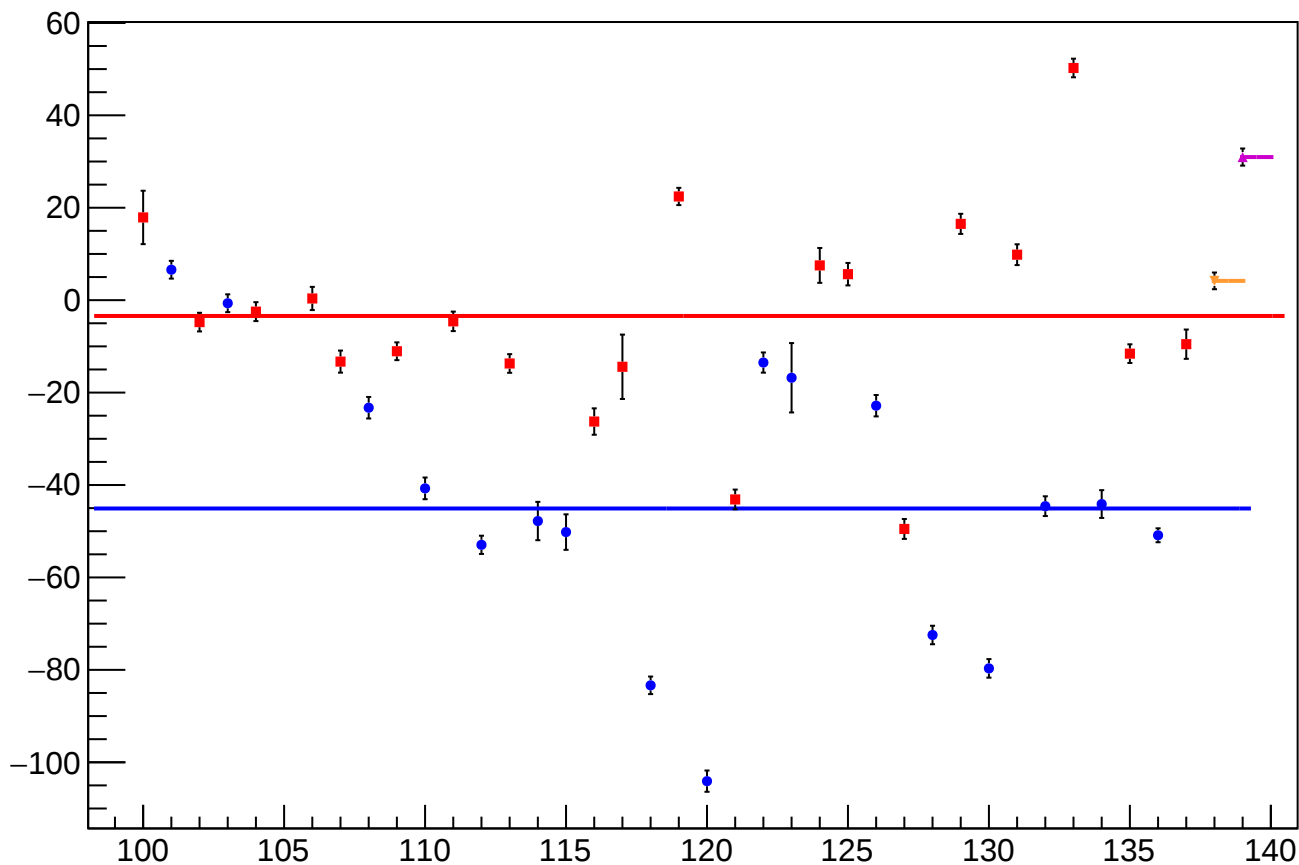
Left In: 941.764 $\pm$ 0.807 χ^2 /NDF: 0.0/0

999.594 $\pm$ 0.259 χ^2 /NDF: 58717.4/17

1002.947 $\pm$ 0.181 χ^2 /NDF: 129478.0/38

1006.174 $\pm$ 0.254 χ^2 /NDF: 70431.7/20

diff_bpm0i02X_mean vs Slug, Sign Corrected



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

Left Out: 4.173 +/- 1.808 χ^2/NDF : 0.0/0

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

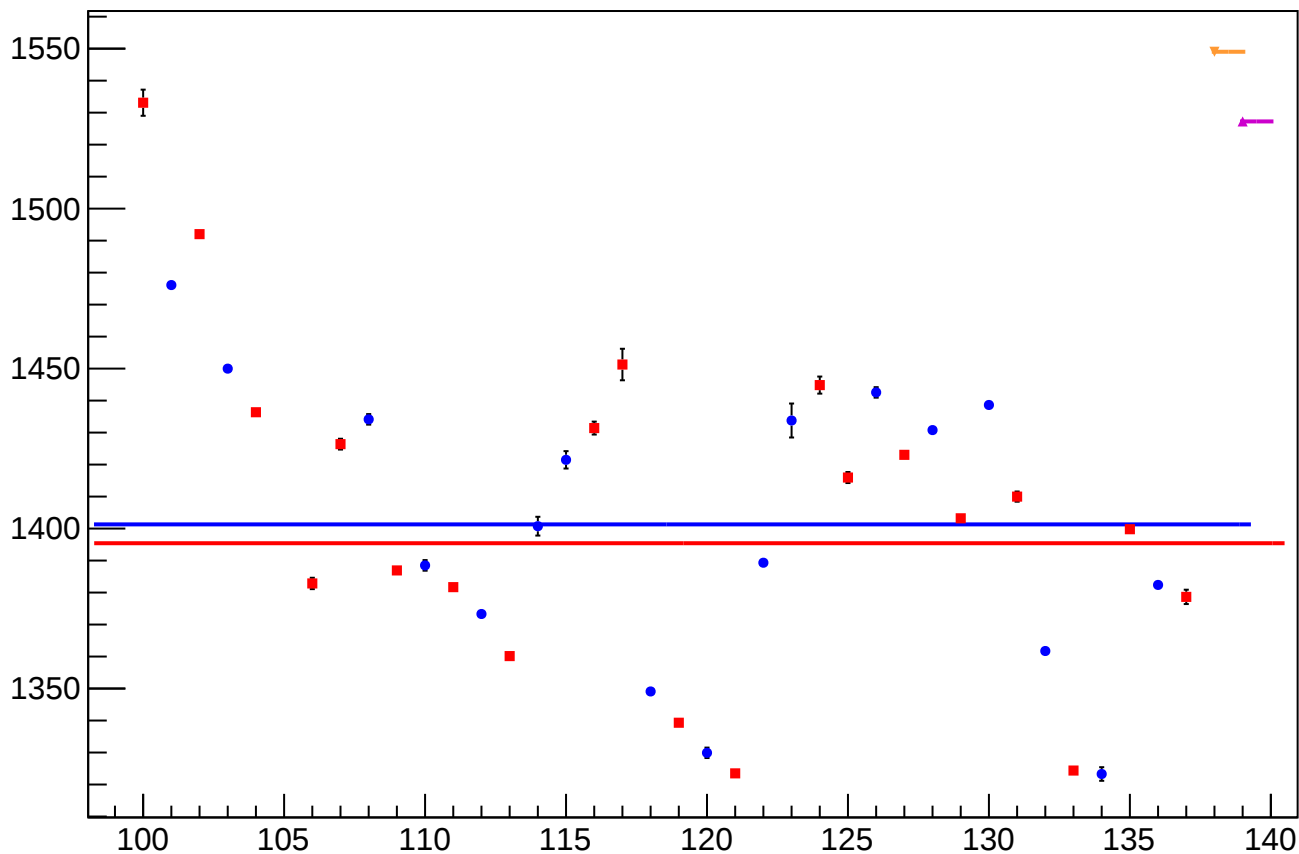
Left In: 30.966 +/- 1.852 χ^2/NDF : 0.0/0

-41.050 +/- 0.517 χ^2/NDF : 3919.7/17

-20.338 +/- 0.360 χ^2/NDF : 9356.8/38

-0.903 +/- 0.501 χ^2/NDF : 2327.8/20

diff_bpm0i02X_rms vs Slug, Sign Corrected



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

Left Out: 1549.028 $\pm$ 1.278 χ^2 /NDF: 0.0/0

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

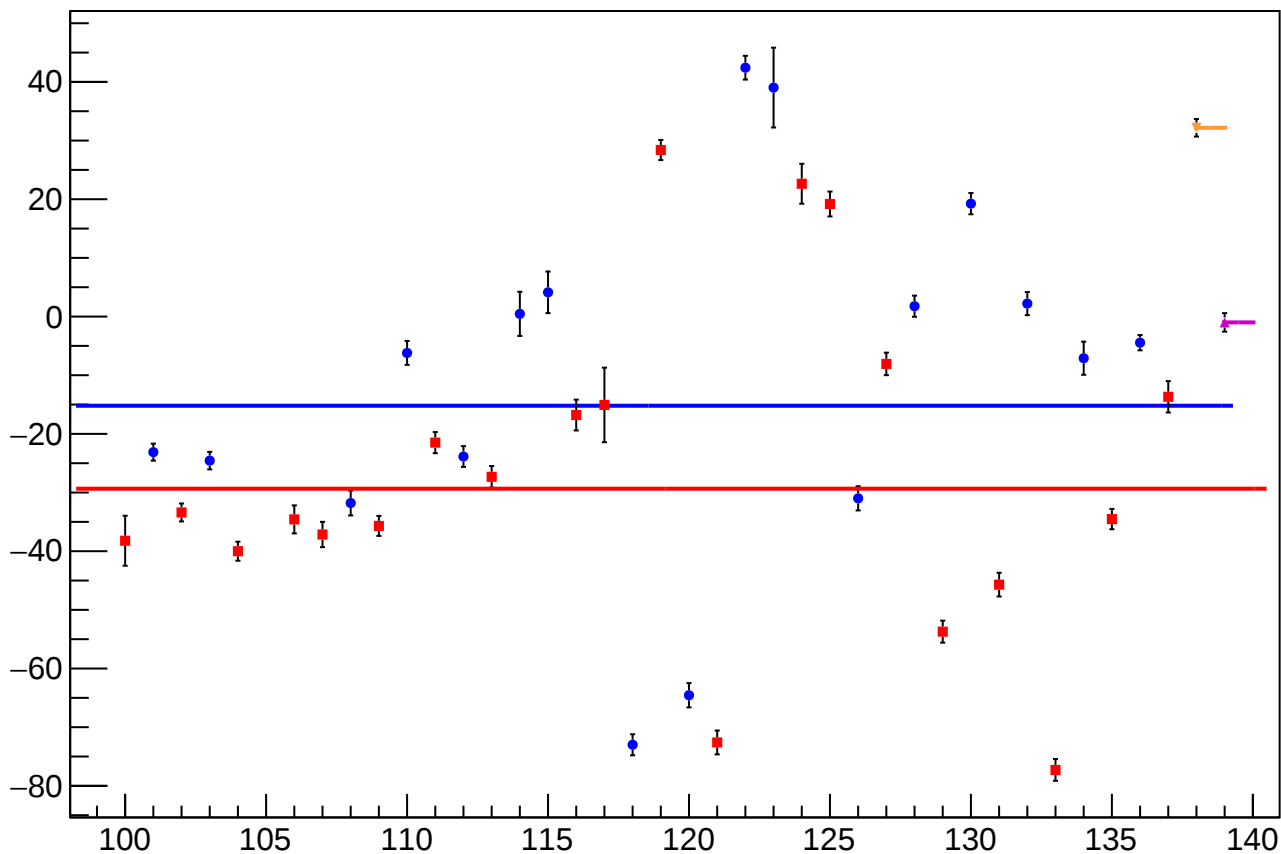
Left In: 1527.252 $\pm$ 1.309 χ^2 /NDF: 0.0/0

1413.397 $\pm$ 0.366 χ^2 /NDF: 25114.9/17

1409.099 $\pm$ 0.254 χ^2 /NDF: 50426.8/38

1405.067 $\pm$ 0.354 χ^2 /NDF: 25044.2/20

diff_bpm0i02Y_mean vs Slug, Sign Corrected



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

Left Out: 32.178 ± 1.499 χ^2/NDF : 0.0/0

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

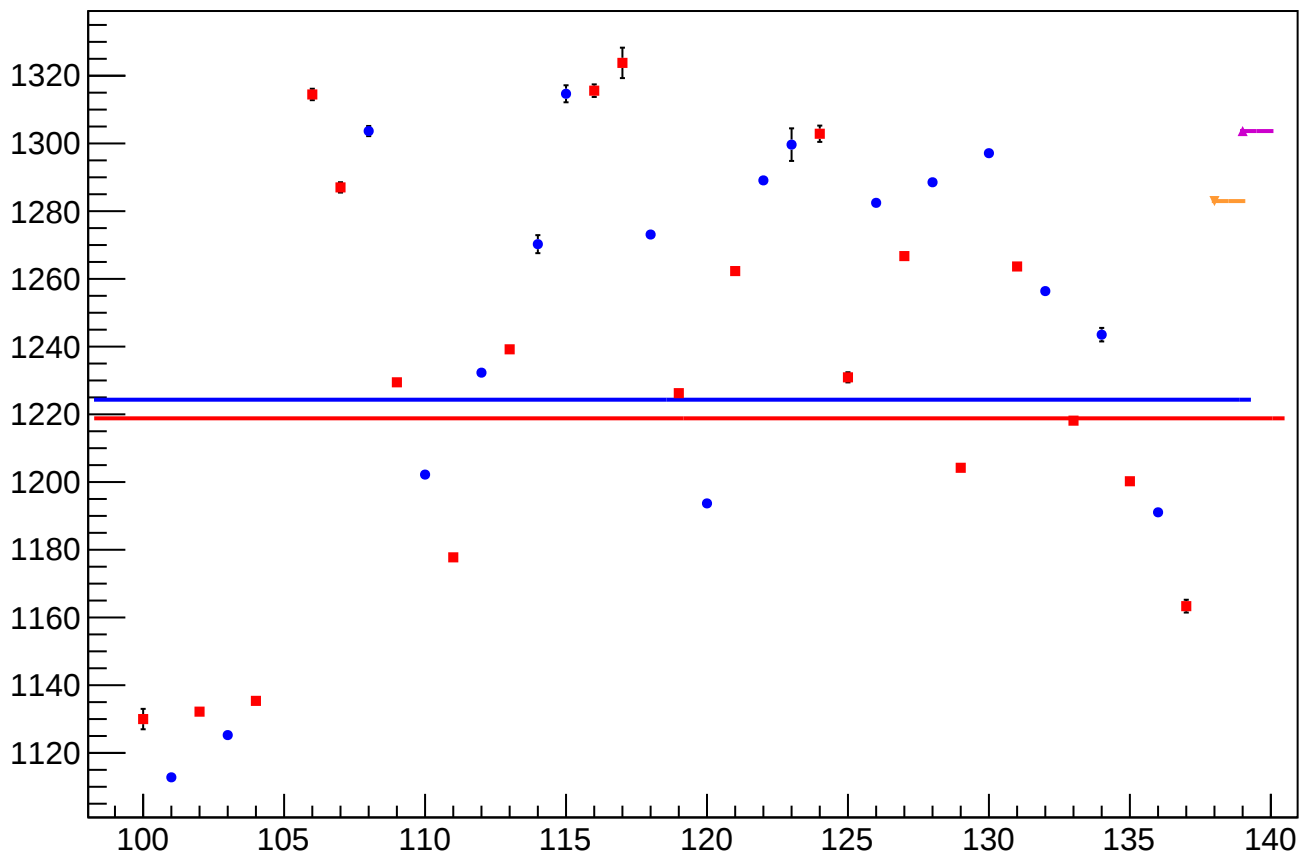
Left In: -0.995 ± 1.580 χ^2/NDF : 0.0/0

-10.924 ± 0.450 χ^2/NDF : 4271.9/17

-19.287 ± 0.314 χ^2/NDF : 8789.3/38

-27.173 ± 0.437 χ^2/NDF : 3847.2/20

diff_bpm0i02Y_rms vs Slug, Sign Corrected



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

Left Out: 1282.980+/-1.060 χ^2/NDF : 0.0/0

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

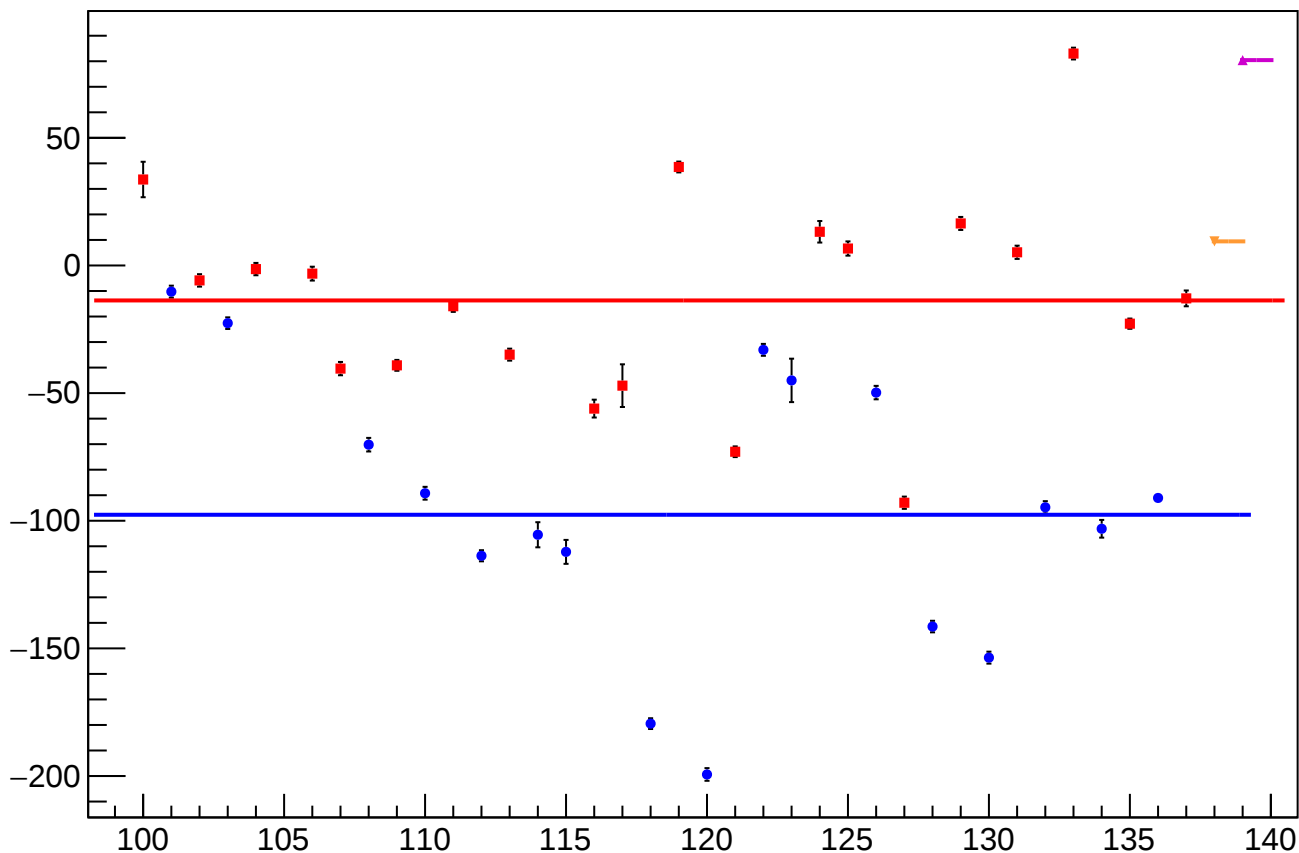
Left In: 1303.662+/-1.117 χ^2/NDF : 0.0/0

1229.616+/-0.318 χ^2/NDF : 41566.0/17

1227.402+/-0.222 χ^2/NDF : 75106.4/38

1225.314+/-0.309 χ^2/NDF : 33446.4/20

diff_bpm0i02aX_mean vs Slug, Sign Corrected



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

Left Out: 9.441 ± 1.881 χ^2/NDF : 0.0/0

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

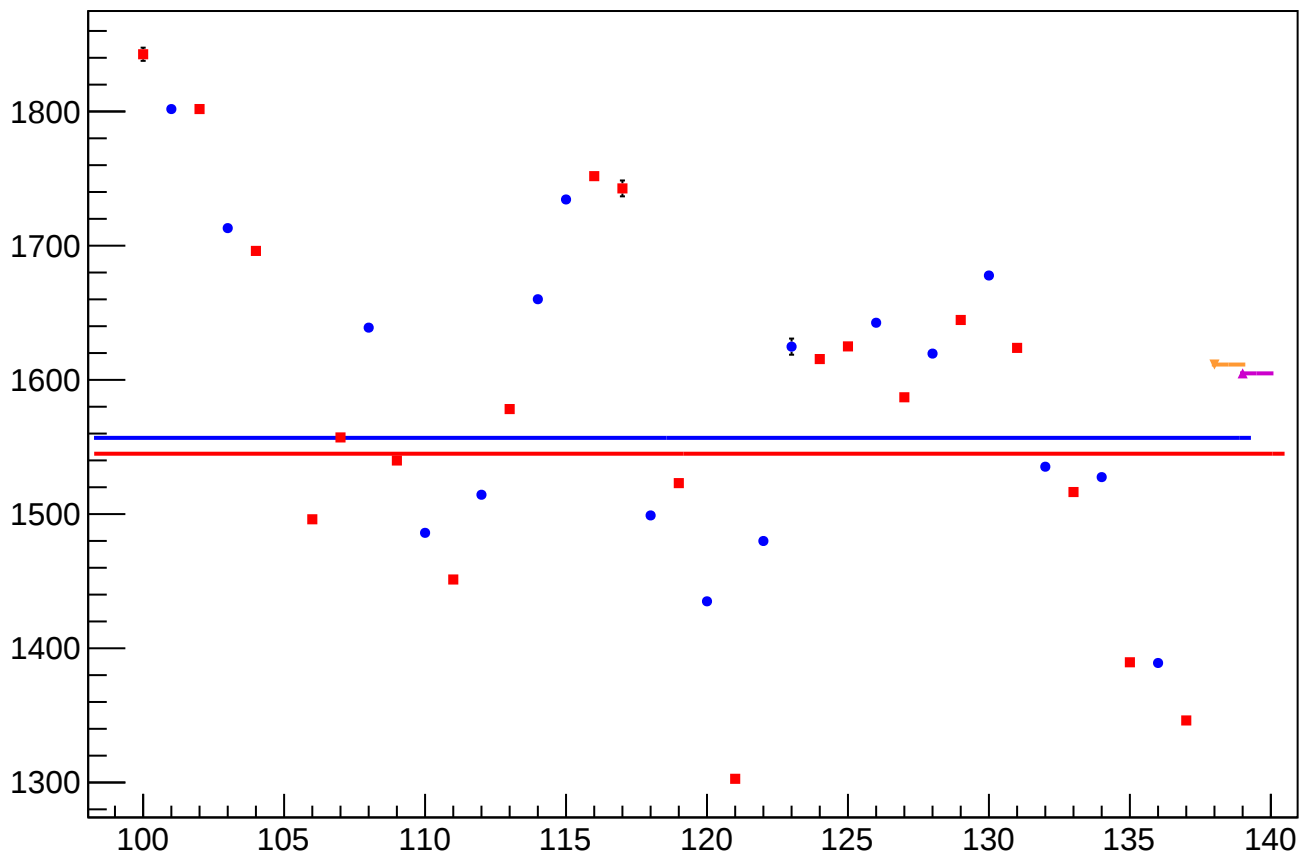
Left In: 80.447 ± 1.945 χ^2/NDF : 0.0/0

-87.727 ± 0.573 χ^2/NDF : 10877.8/17

-45.537 ± 0.398 χ^2/NDF : 28677.3/38

-6.060 ± 0.554 χ^2/NDF : 7296.8/20

diff_bpm0i02aX_rms vs Slug, Sign Corrected



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

Left Out: 1611.430 $\pm$ 1.330 χ^2 /NDF: 0.0/0

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

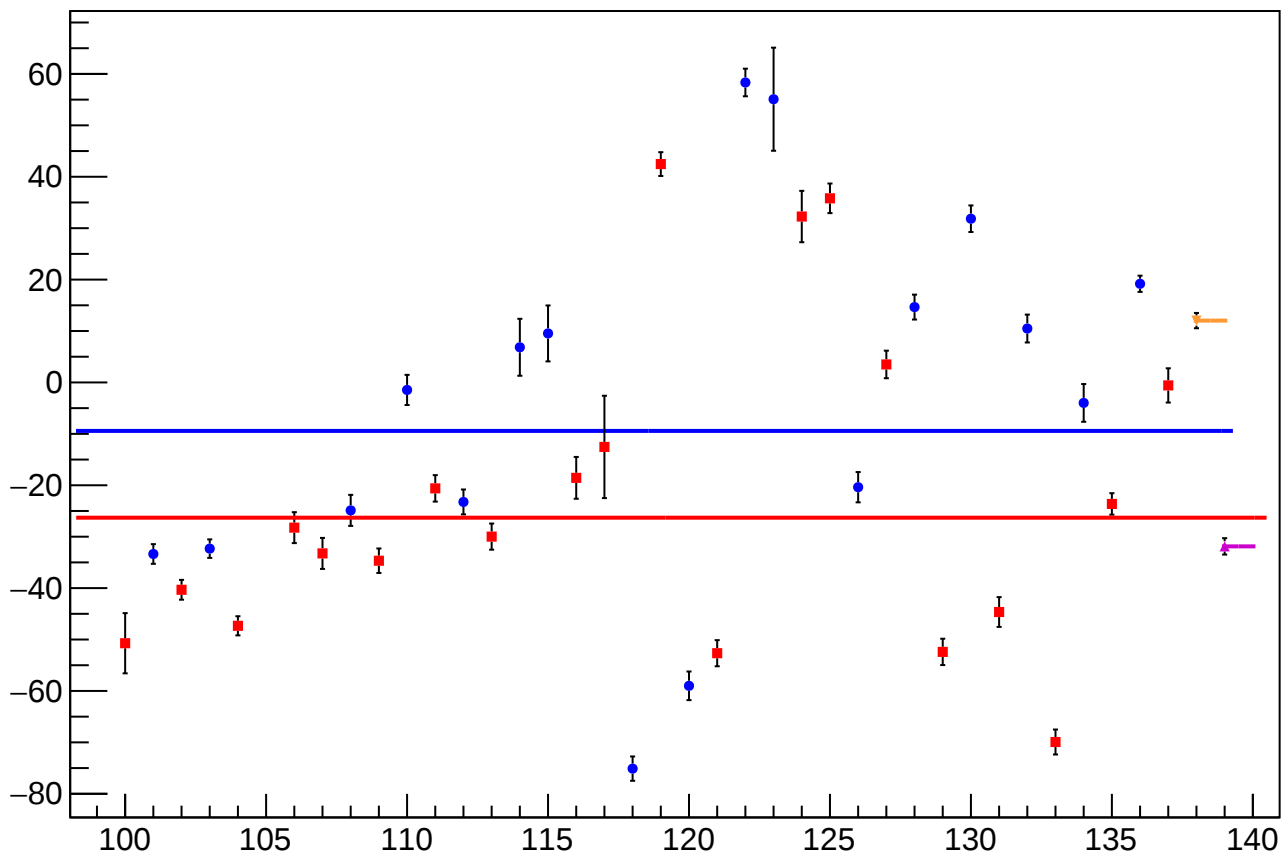
Left In: 1604.855 $\pm$ 1.375 χ^2 /NDF: 0.0/0

1561.864 $\pm$ 0.405 χ^2 /NDF: 83079.8/17

1555.653 $\pm$ 0.282 χ^2 /NDF: 186901.0/38

1549.840 $\pm$ 0.392 χ^2 /NDF: 103365.8/20

diff_bpm0i02aY_mean vs Slug, Sign Corrected



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

Left Out: 12.027+/-1.488 χ^2/NDF : 0.0/0

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

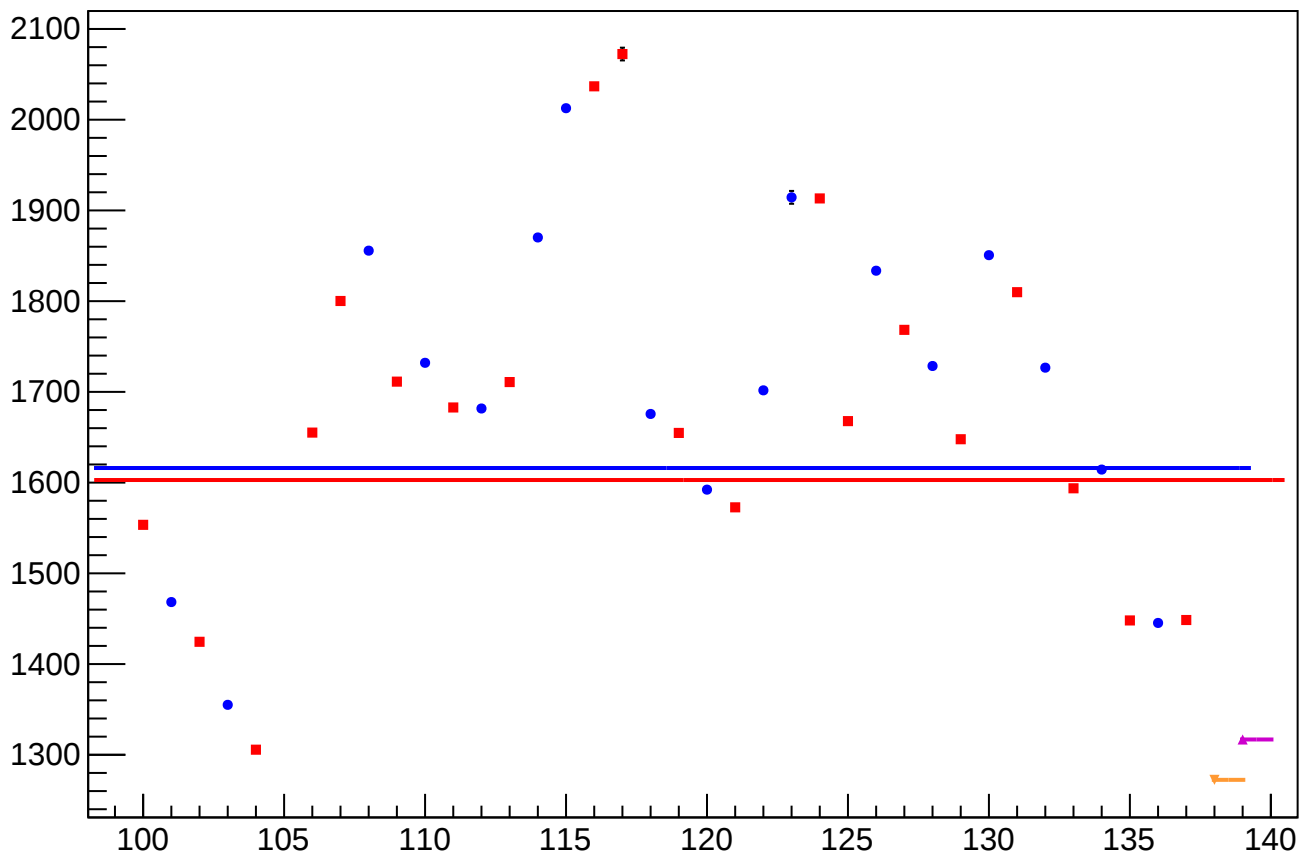
Left In: -31.883+/-1.596 χ^2/NDF : 0.0/0

-6.197+/-0.577 χ^2/NDF : 3100.7/17

-16.859+/-0.403 χ^2/NDF : 6250.6/38

-26.998+/-0.563 χ^2/NDF : 2484.7/20

diff_bpm0i02aY_rms vs Slug, Sign Corrected



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

Left Out: 1272.384 $\pm$ 1.052 χ^2 /NDF: 0.0/0

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

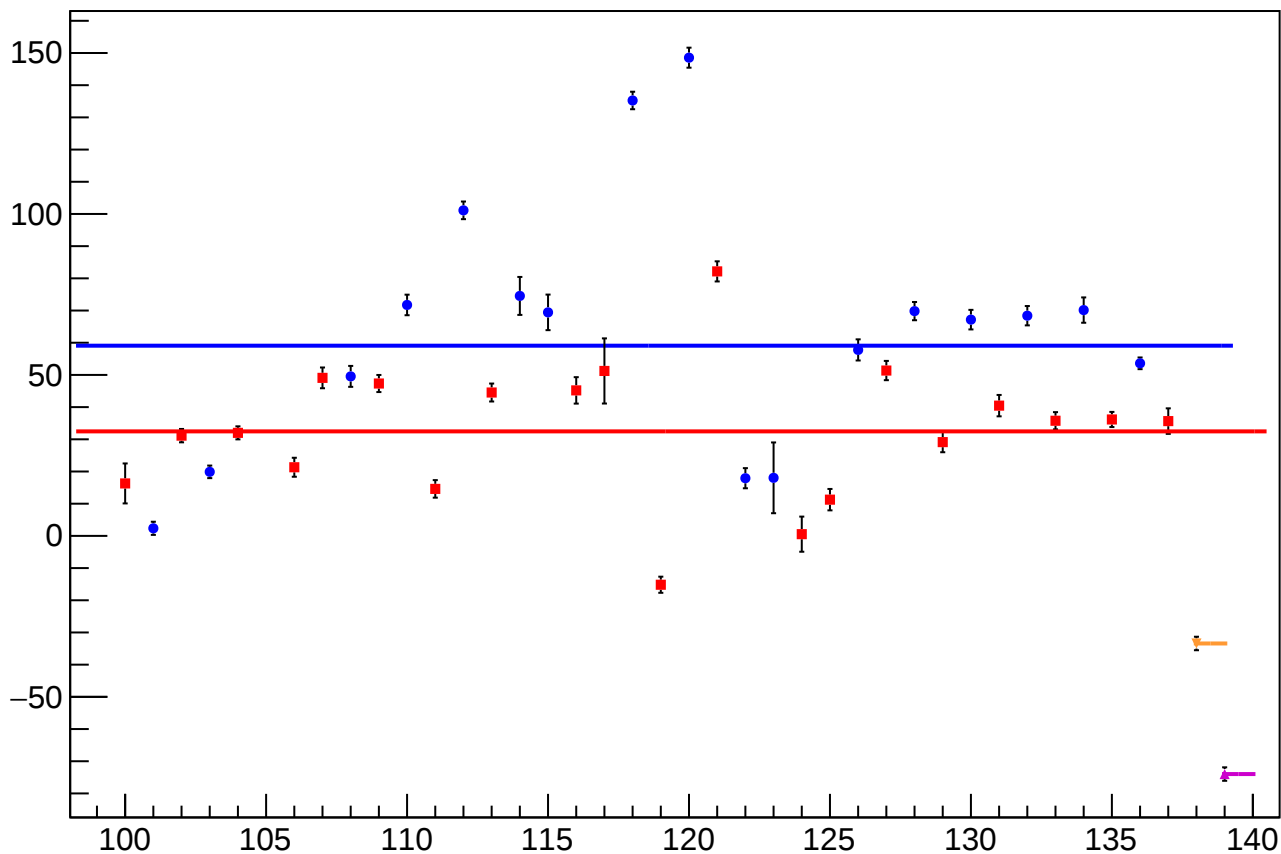
Left In: 1316.871 $\pm$ 1.129 χ^2 /NDF: 0.0/0

1564.349 $\pm$ 0.408 χ^2 /NDF: 240233.6/17

1565.849 $\pm$ 0.285 χ^2 /NDF: 454595.7/38

1567.275 $\pm$ 0.398 χ^2 /NDF: 214335.8/20

diff_bpm0i05X_mean vs Slug, Sign Corrected



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

Left Out: -33.421+/-2.098 χ^2/NDF : 0.0/0

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

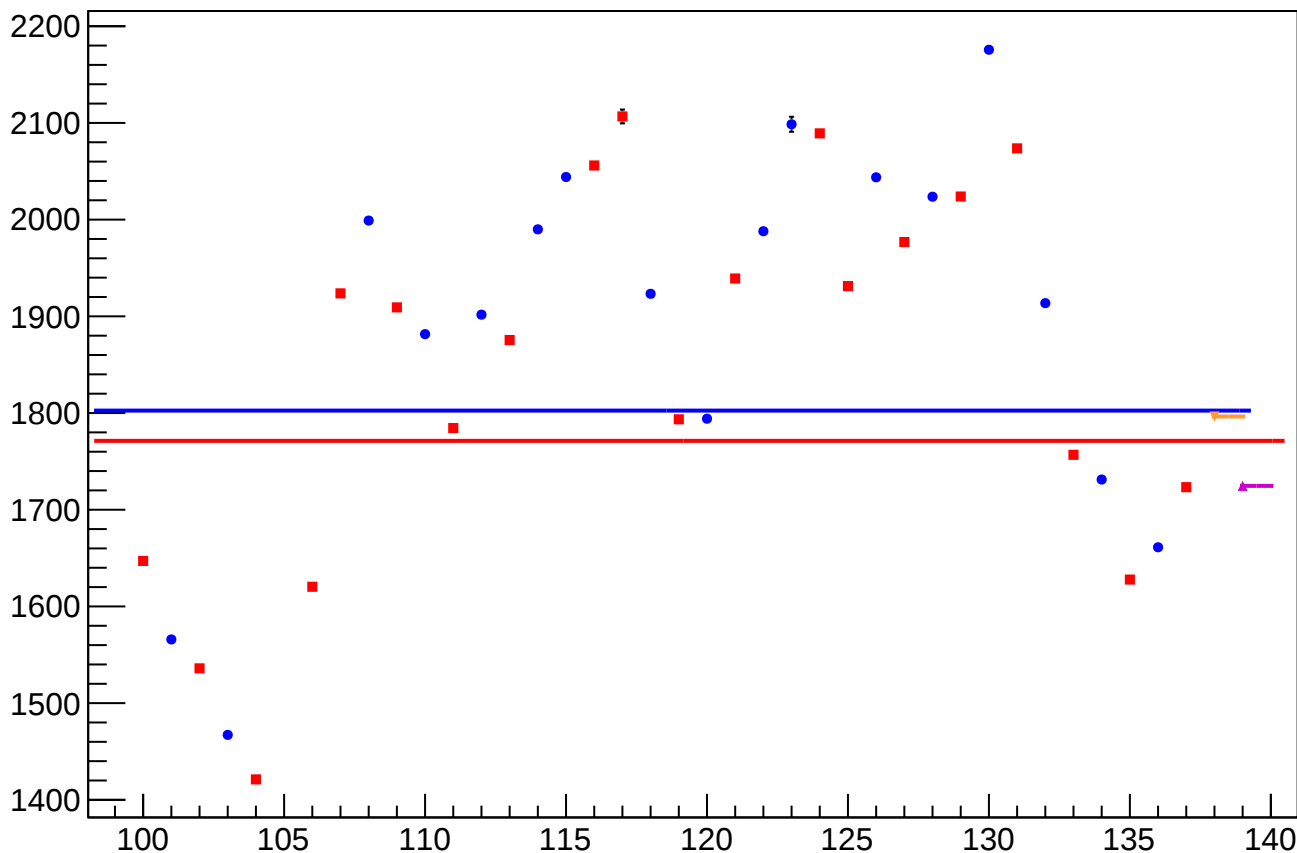
Left In: -73.983+/-2.093 χ^2/NDF : 0.0/0

49.826+/-0.664 χ^2/NDF : 5043.7/17

35.644+/-0.458 χ^2/NDF : 9161.1/38

22.704+/-0.634 χ^2/NDF : 3243.9/20

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1802.524+/-0.495 χ^2/NDF : 184069.0/16

Left Out: 1796.406+/-1.483 χ^2/NDF : 0.0/0

Right Out: 1771.228+/-0.470 χ^2/NDF : 180101.6/19

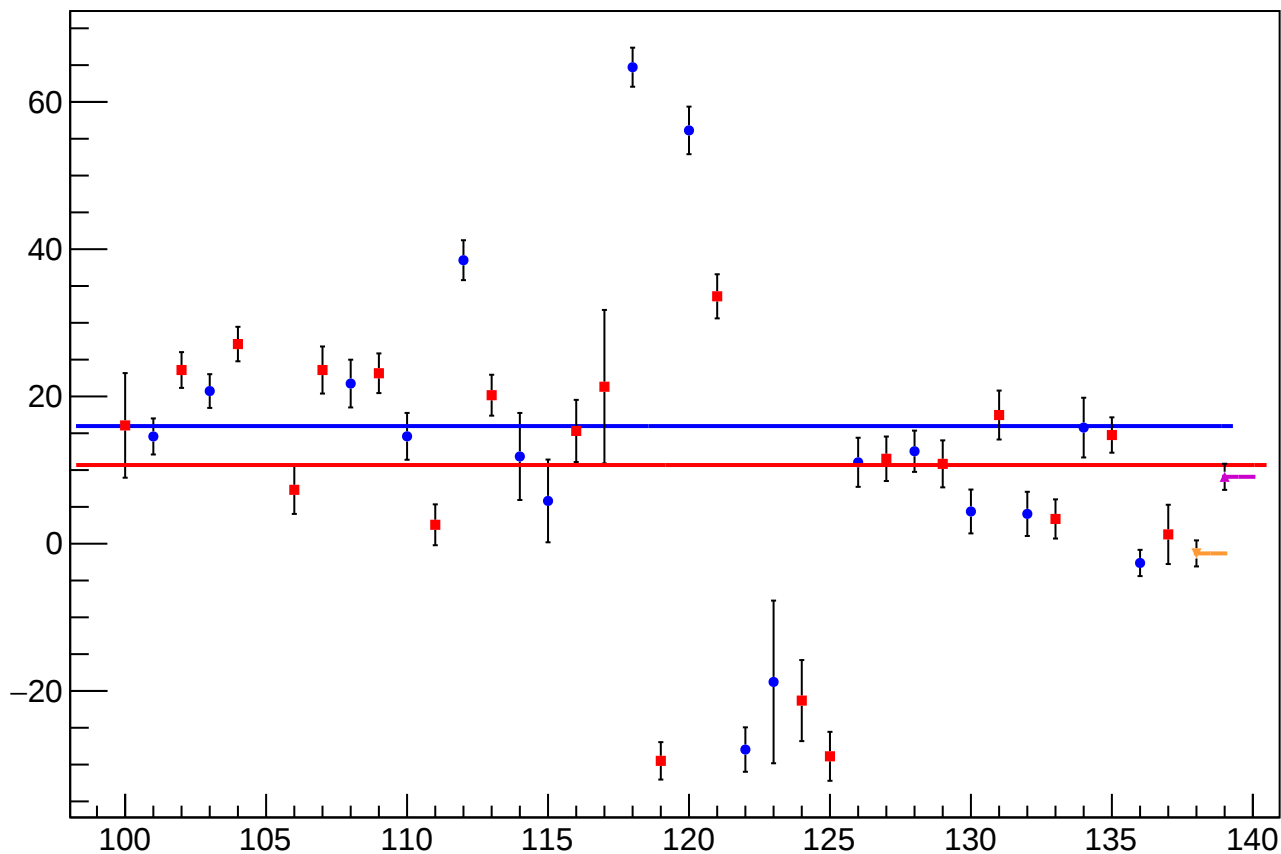
Left In: 1724.676+/-1.480 χ^2/NDF : 0.0/0

1801.912+/-0.469 χ^2/NDF : 184084.4/17

1783.635+/-0.324 χ^2/NDF : 367986.1/38

1766.960+/-0.448 χ^2/NDF : 181000.1/20

diff_bpm0i05Y_mean vs Slug, Sign Corrected



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

Left Out: -1.319 $\pm$ 1.769 χ^2 /NDF: 0.0/0

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

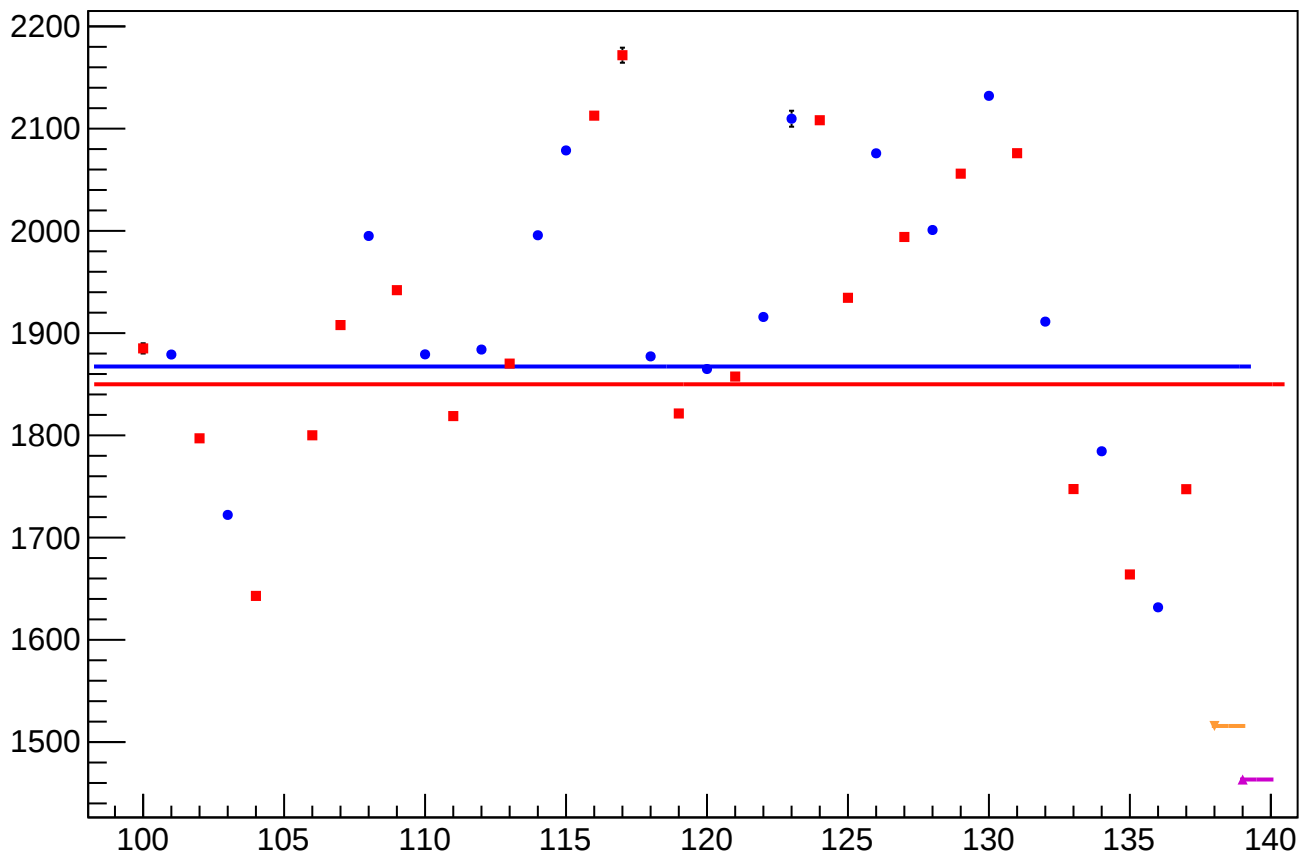
Left In: 9.085 $\pm$ 1.774 χ^2 /NDF: 0.0/0

13.510 $\pm$ 0.668 χ^2 /NDF: 1020.3/17

11.937 $\pm$ 0.464 χ^2 /NDF: 1674.8/38

10.473 $\pm$ 0.645 χ^2 /NDF: 643.9/20

diff_bpm0i05Y_rms vs Slug, Sign Corrected



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

Left Out: 1515.745 $\pm$ 1.251 χ^2 /NDF: 0.0/0

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

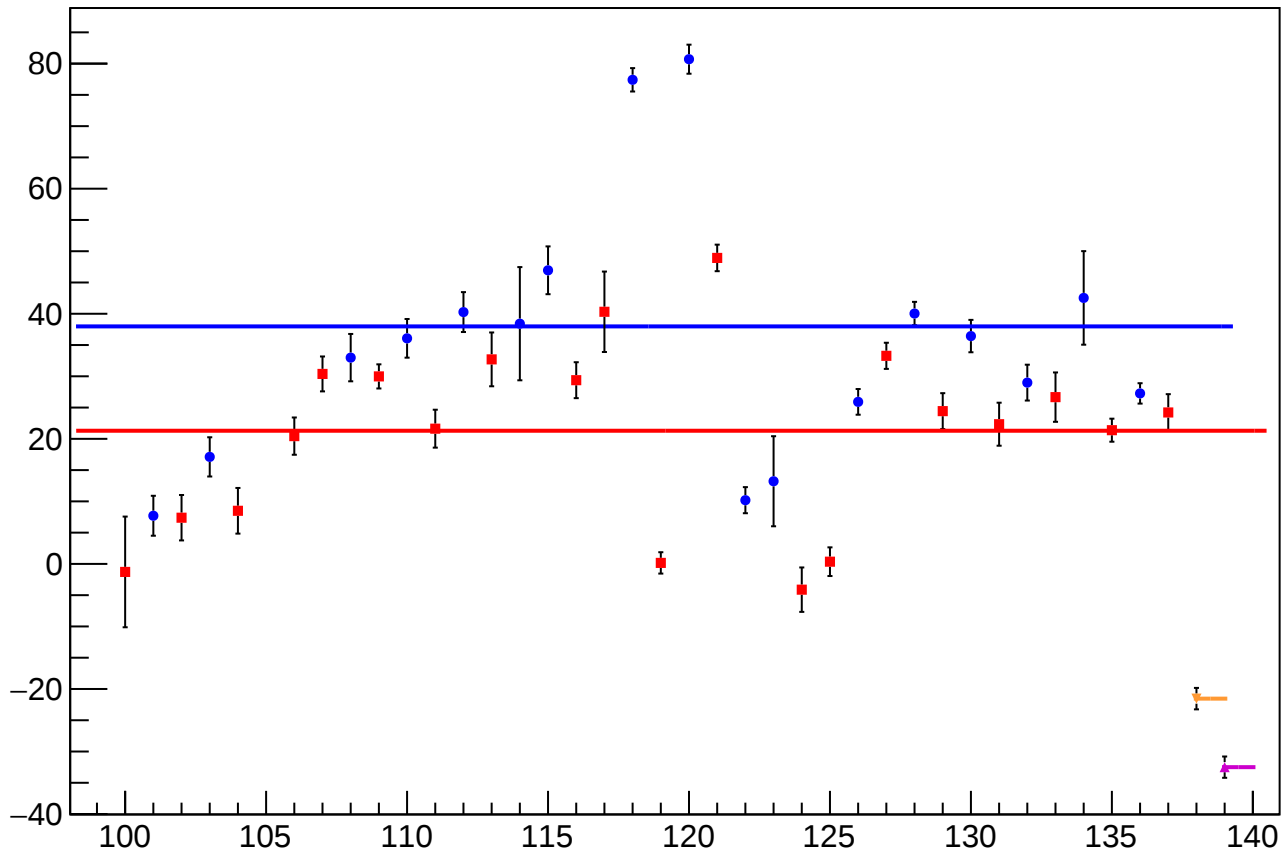
Left In: 1463.383 $\pm$ 1.254 χ^2 /NDF: 0.0/0

1817.202 $\pm$ 0.472 χ^2 /NDF: 148635.4/17

1807.729 $\pm$ 0.328 χ^2 /NDF: 306301.5/38

1798.914 $\pm$ 0.456 χ^2 /NDF: 156890.1/20

diff_bpm0i07X_mean vs Slug, Sign Corrected



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

Left Out: -21.543+/-1.716 χ^2/NDF : 0.0/0

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

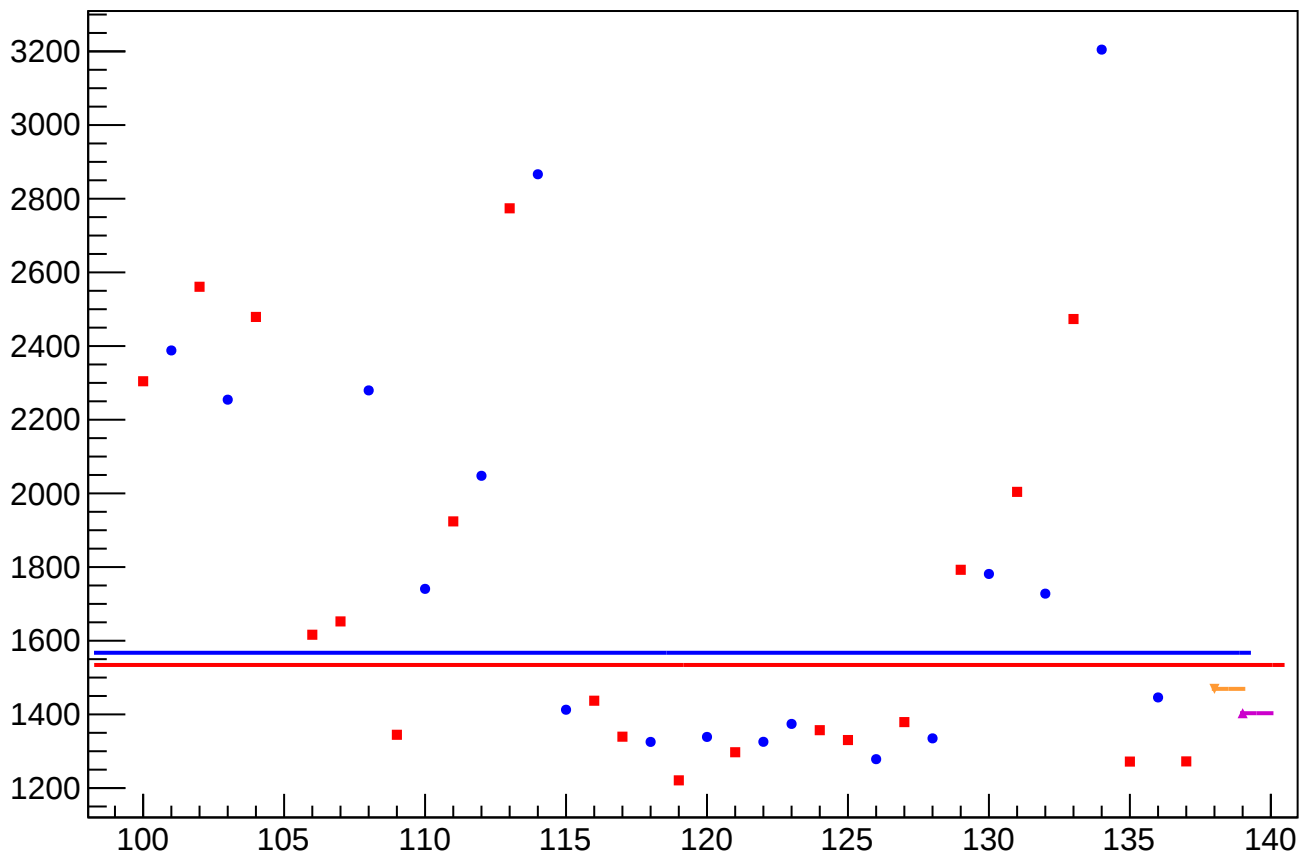
Left In: -32.500+/-1.702 χ^2/NDF : 0.0/0

30.759+/-0.597 χ^2/NDF : 2262.0/17

22.648+/-0.413 χ^2/NDF : 4083.5/38

15.250+/-0.571 χ^2/NDF : 1469.0/20

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1567.328+/-0.451 χ^2/NDF : 673450.6/16

Left Out: 1469.333+/-1.213 χ^2/NDF : 0.0/0

Right Out: 1534.225+/-0.428 χ^2/NDF : 883947.6/19

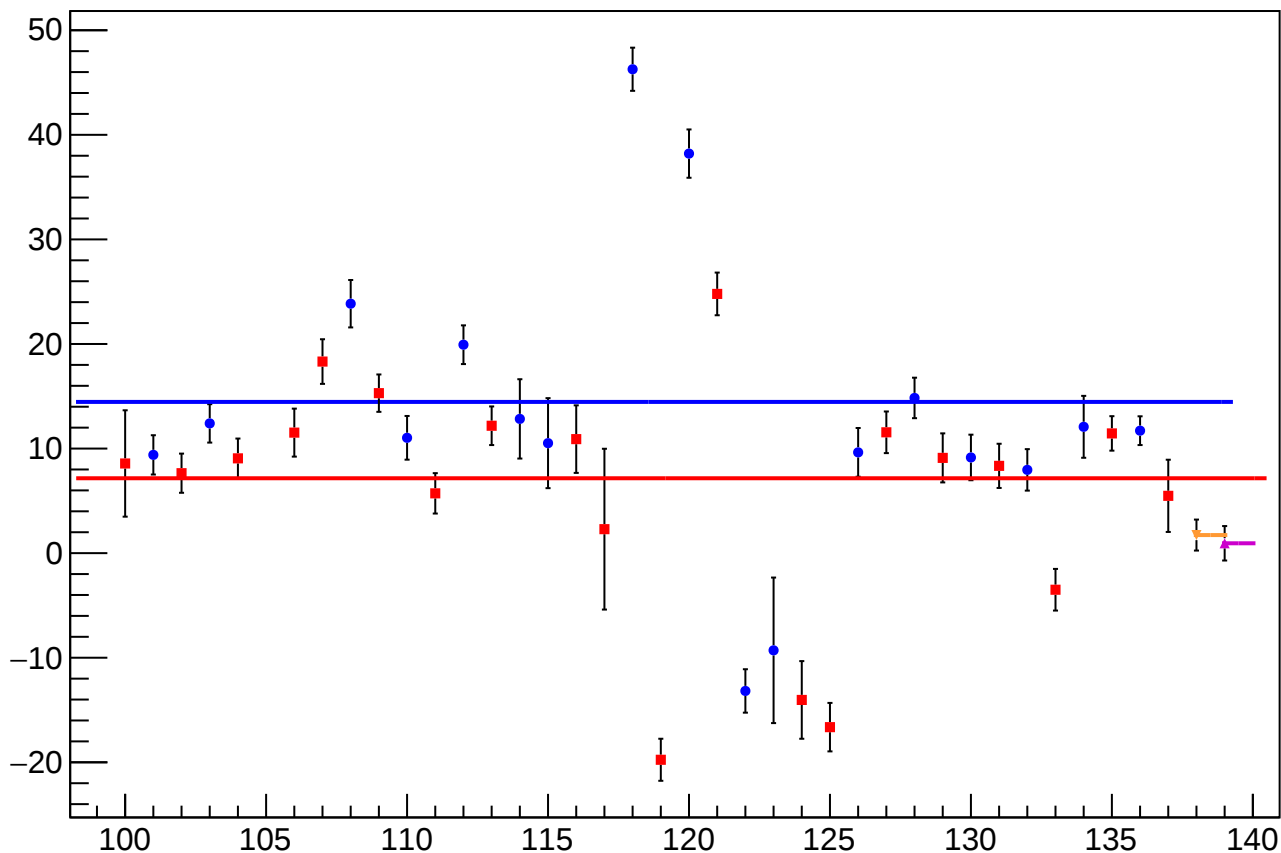
Left In: 1403.254+/-1.204 χ^2/NDF : 0.0/0

1555.443+/-0.422 χ^2/NDF : 679184.9/17

1536.650+/-0.292 χ^2/NDF : 1577425.8/38

1519.508+/-0.403 χ^2/NDF : 894457.1/20

diff_bpm0i07Y_mean vs Slug, Sign Corrected



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

Left Out: 1.729 $\pm$ 1.482 χ^2 /NDF: 0.0/0

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

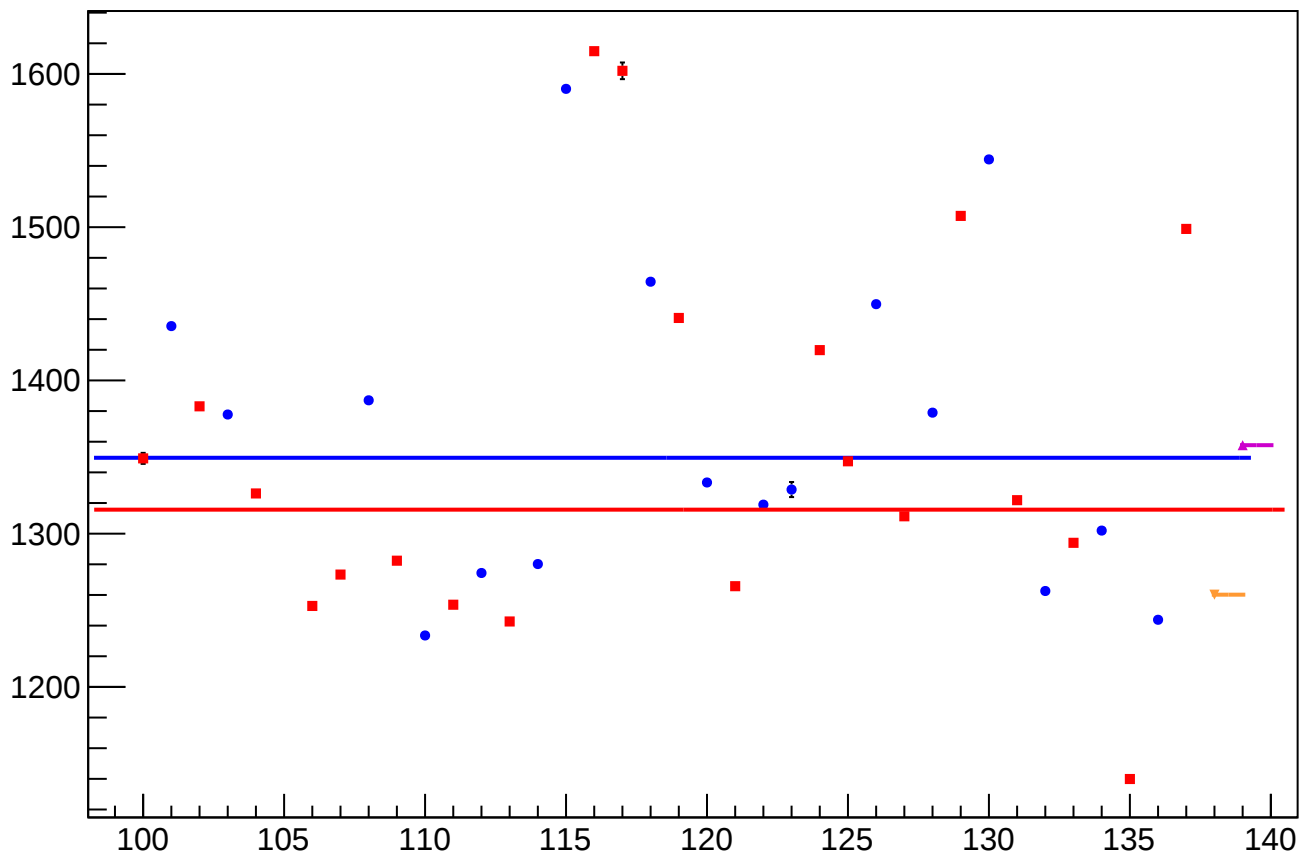
Left In: 0.942 $\pm$ 1.647 χ^2 /NDF: 0.0/0

13.049 $\pm$ 0.493 χ^2 /NDF: 661.6/17

9.712 $\pm$ 0.341 χ^2 /NDF: 1258.5/38

6.649 $\pm$ 0.473 χ^2 /NDF: 509.1/20

diff_bpm0i07Y_rms vs Slug, Sign Corrected



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

Left Out: 1260.188 $\pm$ 1.048 χ^2/NDF : 0.0/0

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

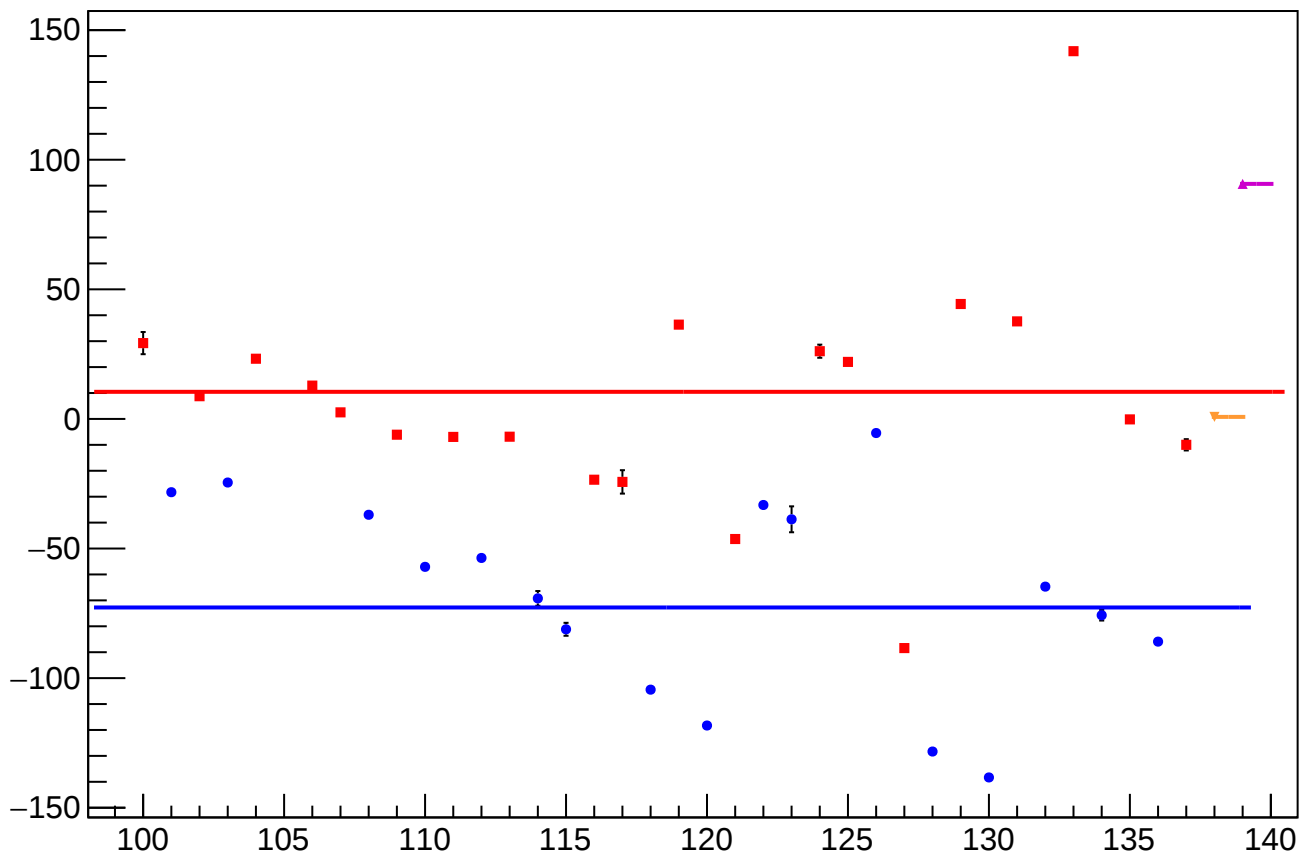
Left In: 1357.746 $\pm$ 1.165 χ^2/NDF : 0.0/0

1339.619 $\pm$ 0.349 χ^2/NDF : 71131.1/17

1328.936 $\pm$ 0.241 χ^2/NDF : 157866.1/38

1319.133 $\pm$ 0.334 χ^2/NDF : 84936.8/20

diff_bpm1i02X_mean vs Slug, Sign Corrected



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

Left Out: 0.785 ± 1.044 $\chi^2/\text{NDF}: 0.0/0$

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

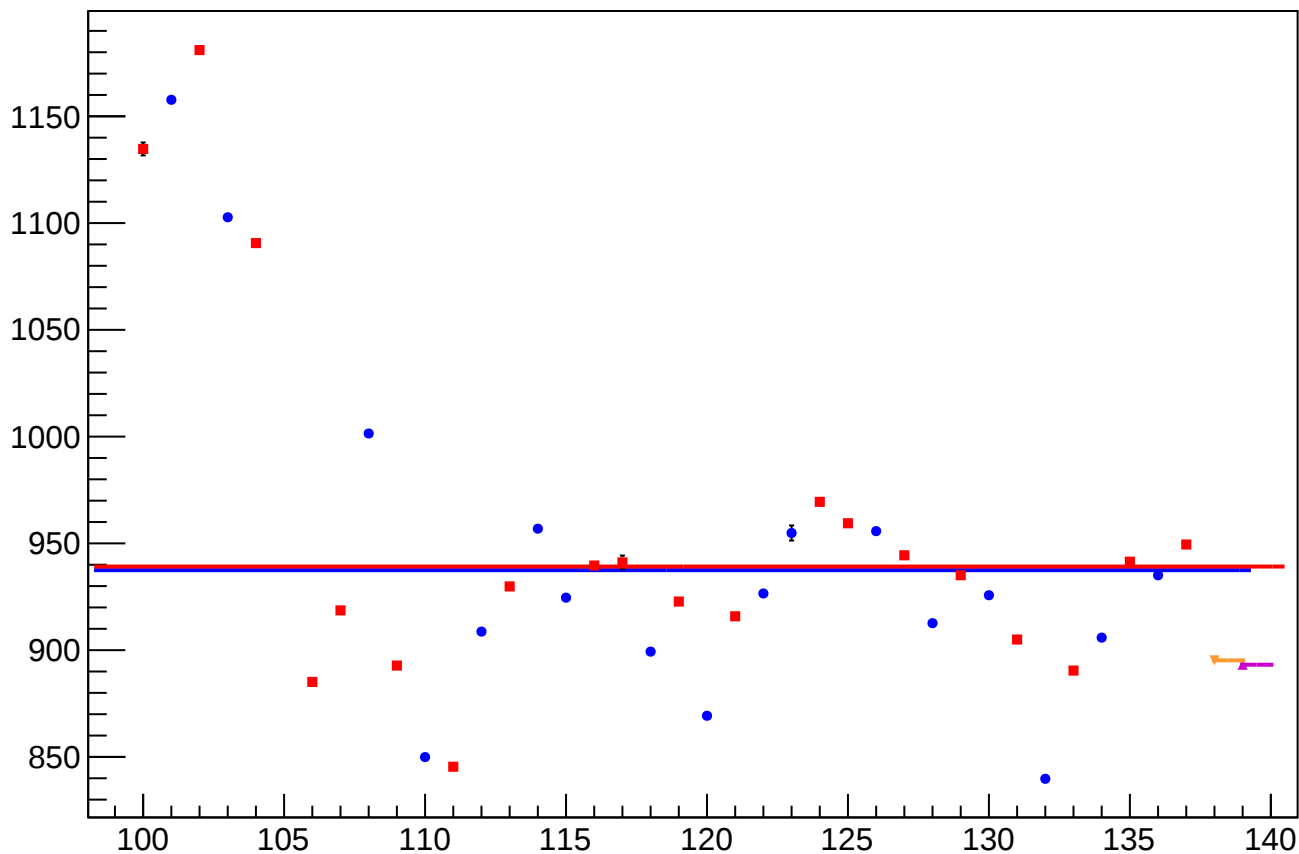
Left In: 90.679 ± 1.082 $\chi^2/\text{NDF}: 0.0/0$

-64.840 ± 0.342 $\chi^2/\text{NDF}: 16114.8/17$

-22.361 ± 0.239 $\chi^2/\text{NDF}: 69378.6/38$

18.102 ± 0.334 $\chi^2/\text{NDF}: 23199.5/20$

diff_bpm1i02X_rms vs Slug, Sign Corrected



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

Left Out: 895.223 $\pm$ 0.738 χ^2 /NDF: 0.0/0

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

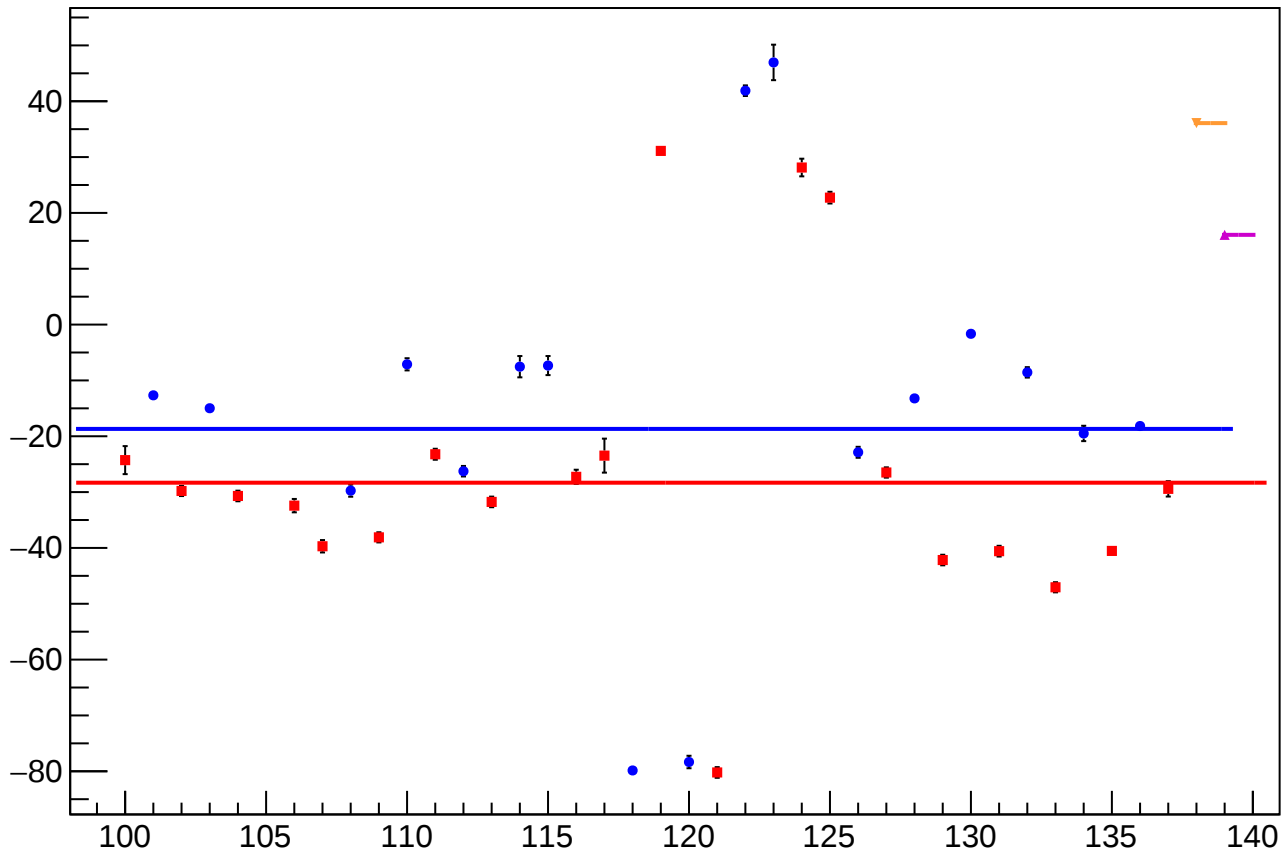
Left In: 893.182 $\pm$ 0.765 χ^2 /NDF: 0.0/0

932.915 $\pm$ 0.242 χ^2 /NDF: 101226.8/17

933.866 $\pm$ 0.169 χ^2 /NDF: 194773.9/38

934.772 $\pm$ 0.236 χ^2 /NDF: 93517.0/20

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -18.683 ± 0.243 $\chi^2/\text{NDF}: 13006.2/16$

Left Out: 36.083 ± 0.738 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -28.318 ± 0.235 $\chi^2/\text{NDF}: 12510.6/19$

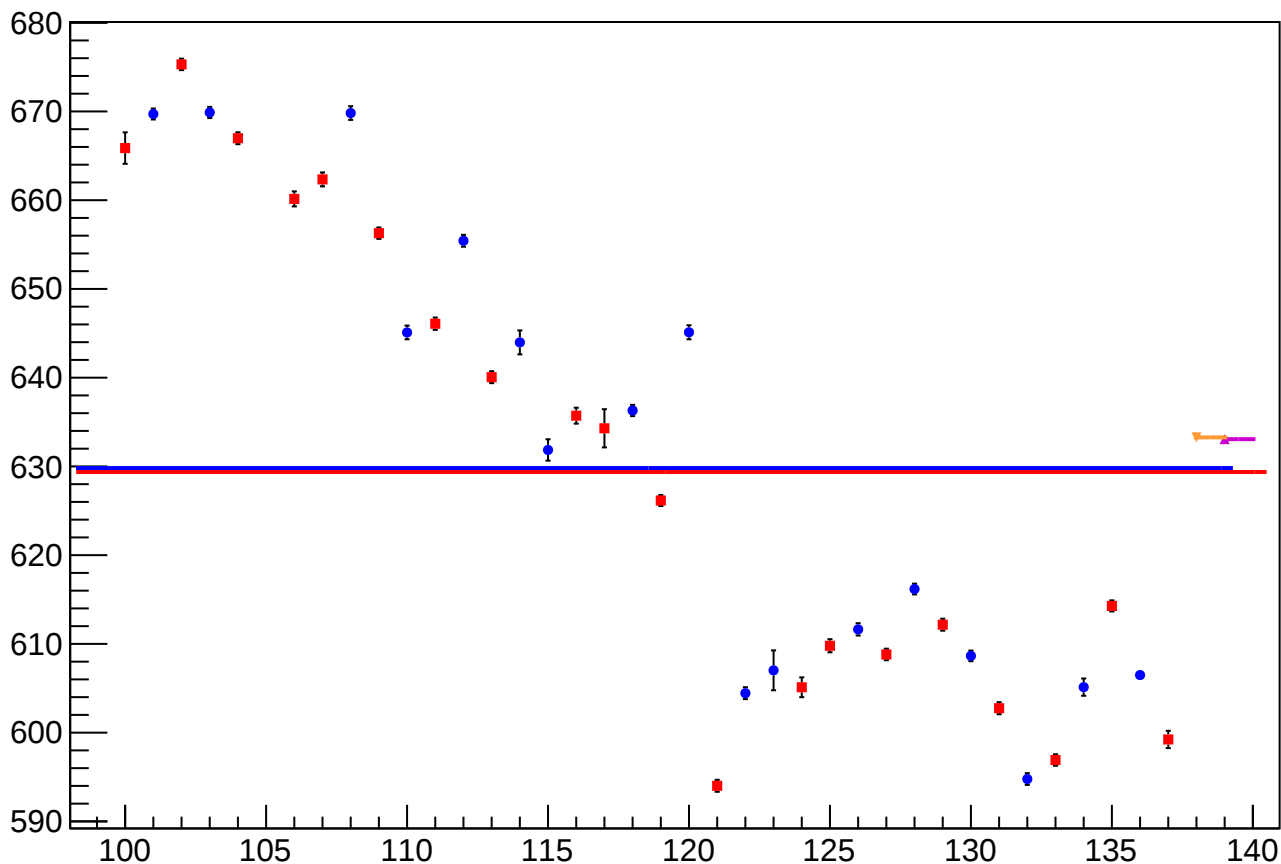
Left In: 16.072 ± 0.767 $\chi^2/\text{NDF}: 0.0/0$

-13.345 ± 0.231 $\chi^2/\text{NDF}: 17970.5/17$

-19.080 ± 0.161 $\chi^2/\text{NDF}: 34747.9/38$

-24.517 ± 0.224 $\chi^2/\text{NDF}: 15572.0/20$

diff_bpm1i02Y_rms vs Slug, Sign Corrected



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

Left Out: 633.271 $\pm$ 0.522 χ^2 /NDF: 0.0/0

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

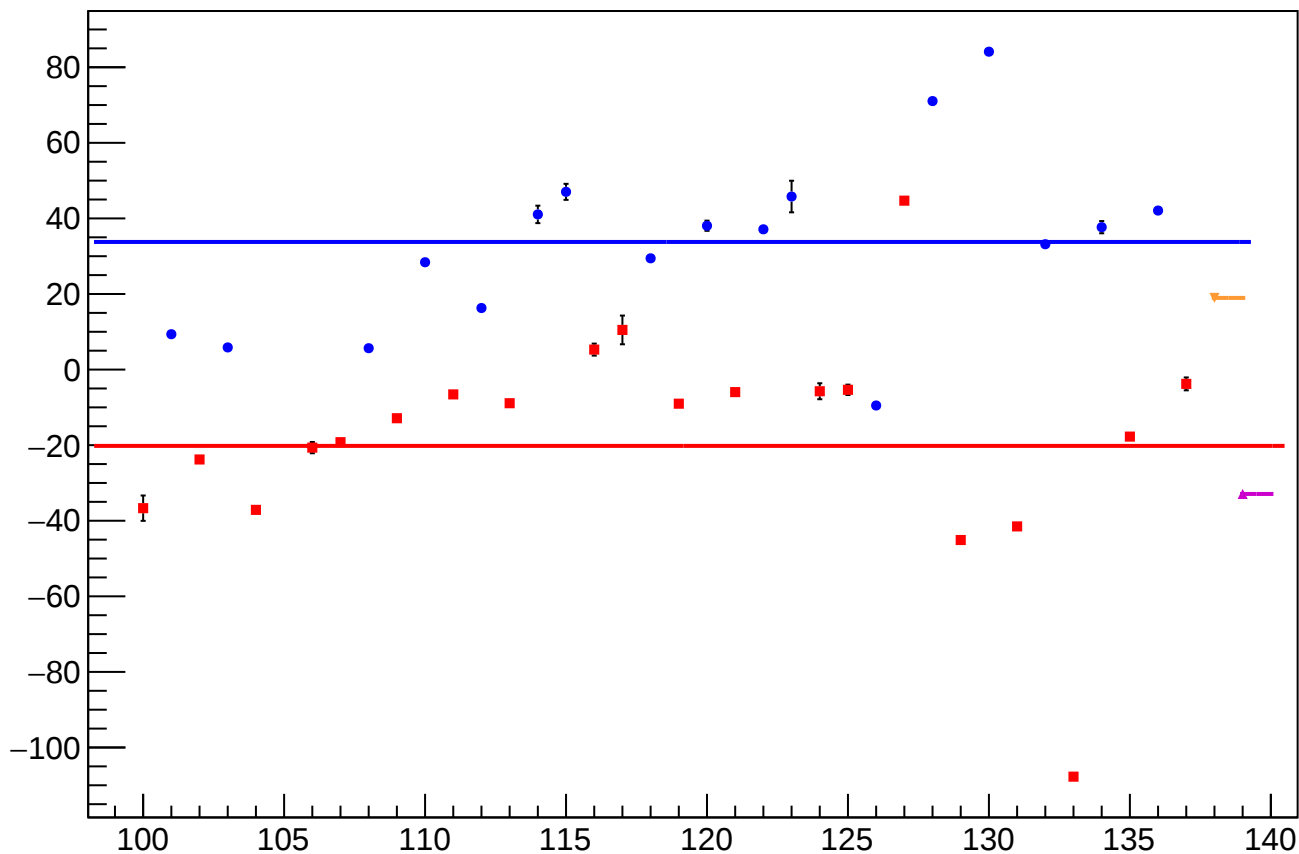
Left In: 633.075 $\pm$ 0.542 χ^2 /NDF: 0.0/0

630.151 $\pm$ 0.163 χ^2 /NDF: 23337.9/17

629.913 $\pm$ 0.114 χ^2 /NDF: 48928.5/38

629.687 $\pm$ 0.159 χ^2 /NDF: 25586.4/20

diff_bpm1i04X_mean vs Slug, Sign Corrected



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

Left Out: 18.965+/-1.126 χ^2/NDF : 0.0/0

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

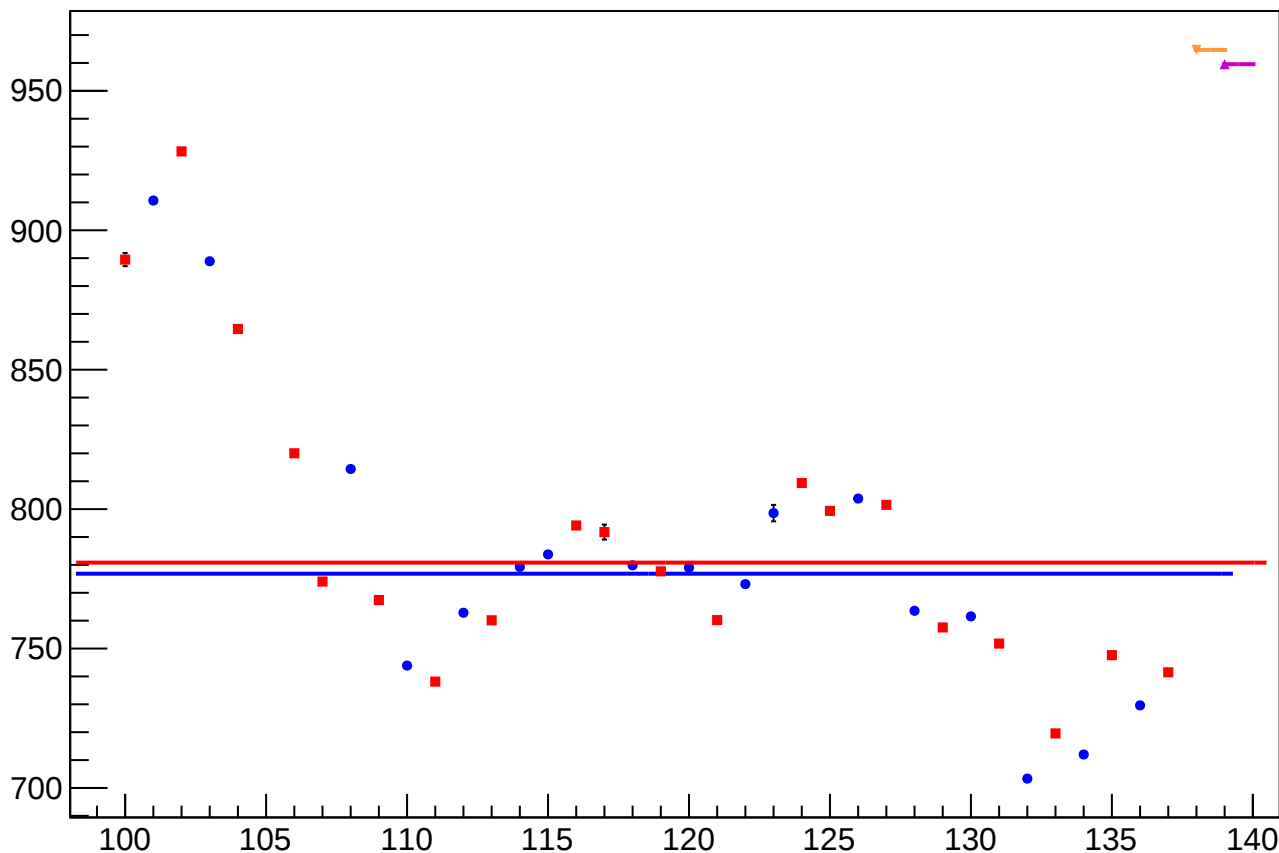
Left In: -32.912+/-1.163 χ^2/NDF : 0.0/0

32.792+/-0.290 χ^2/NDF : 6649.5/17

5.277+/-0.202 χ^2/NDF : 35721.8/38

-20.945+/-0.283 χ^2/NDF : 11465.8/20

diff_bpm1i04X_rms vs Slug, Sign Corrected



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

Left Out: 964.688 $\pm$ 0.796 χ^2 /NDF: 0.0/0

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

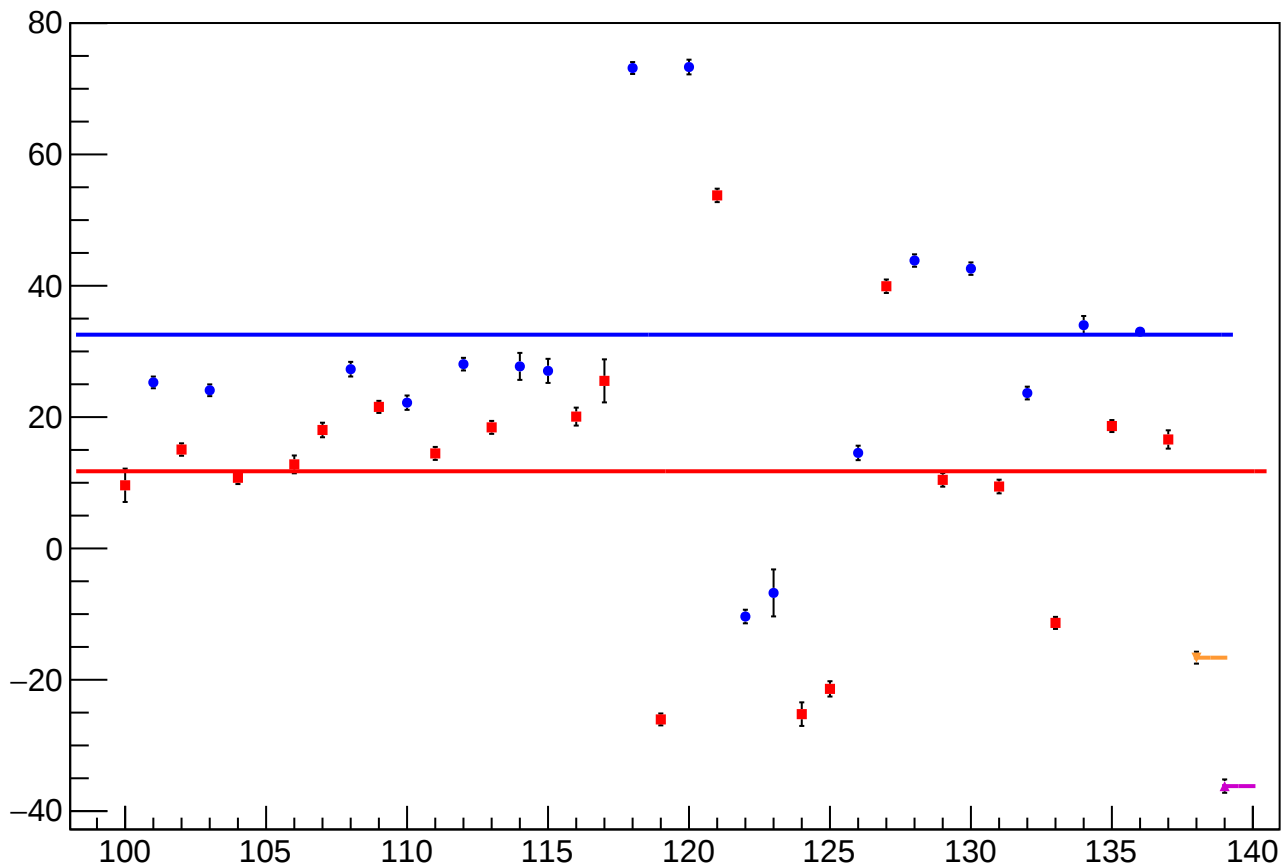
Left In: 959.558 $\pm$ 0.822 χ^2 /NDF: 0.0/0

789.288 $\pm$ 0.205 χ^2 /NDF: 119495.4/17

790.366 $\pm$ 0.143 χ^2 /NDF: 221428.8/38

791.393 $\pm$ 0.200 χ^2 /NDF: 101879.3/20

diff_bpm1i04Y_mean vs Slug, Sign Corrected



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

Left Out: -16.633 $\pm$ 0.909 χ^2 /NDF: 0.0/0

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

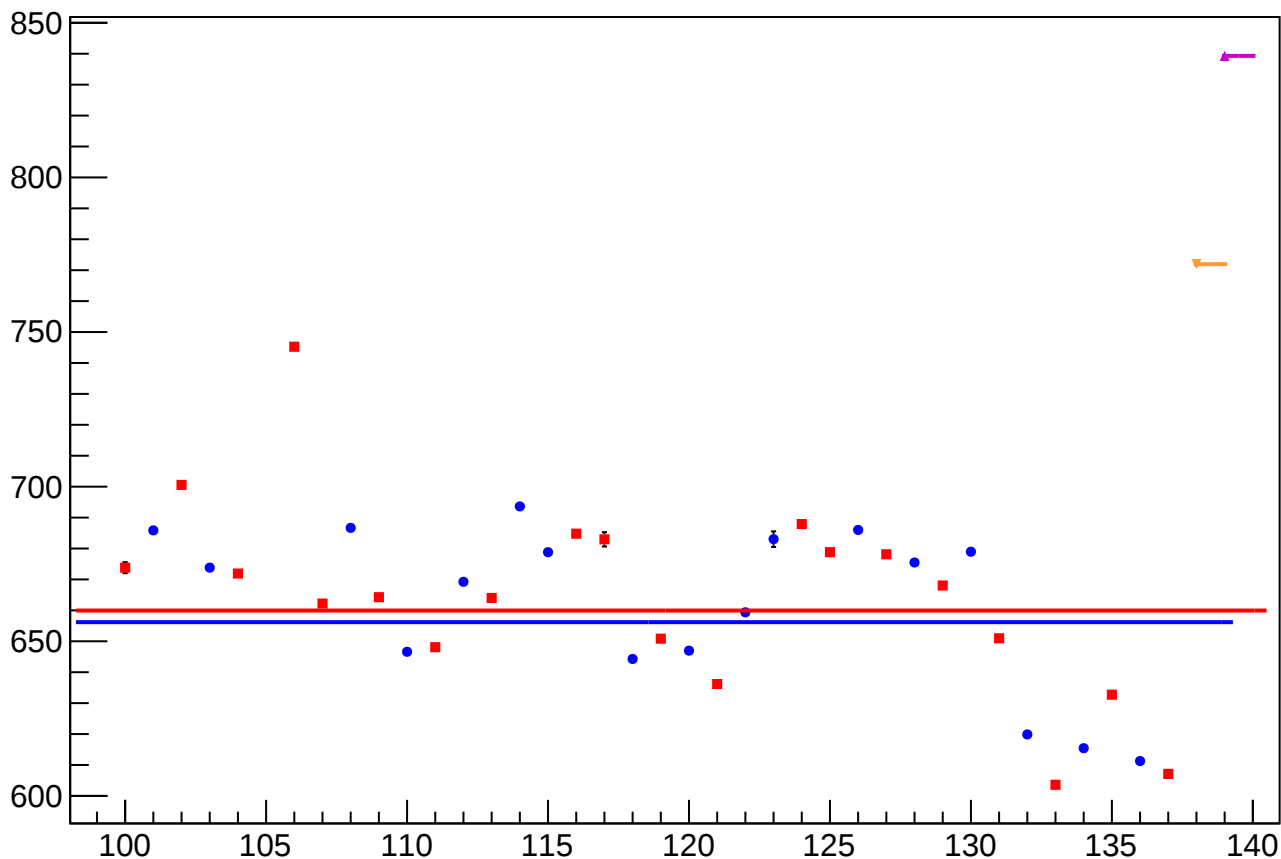
Left In: -36.192 $\pm$ 1.018 χ^2 /NDF: 0.0/0

29.021 $\pm$ 0.244 χ^2 /NDF: 8789.4/17

18.888 $\pm$ 0.171 χ^2 /NDF: 20659.2/38

9.103 $\pm$ 0.239 χ^2 /NDF: 8469.1/20

diff_bpm1i04Y_rms vs Slug, Sign Corrected



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

Left Out: 771.960 $\pm$ 0.643 χ^2 /NDF: 0.0/0

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

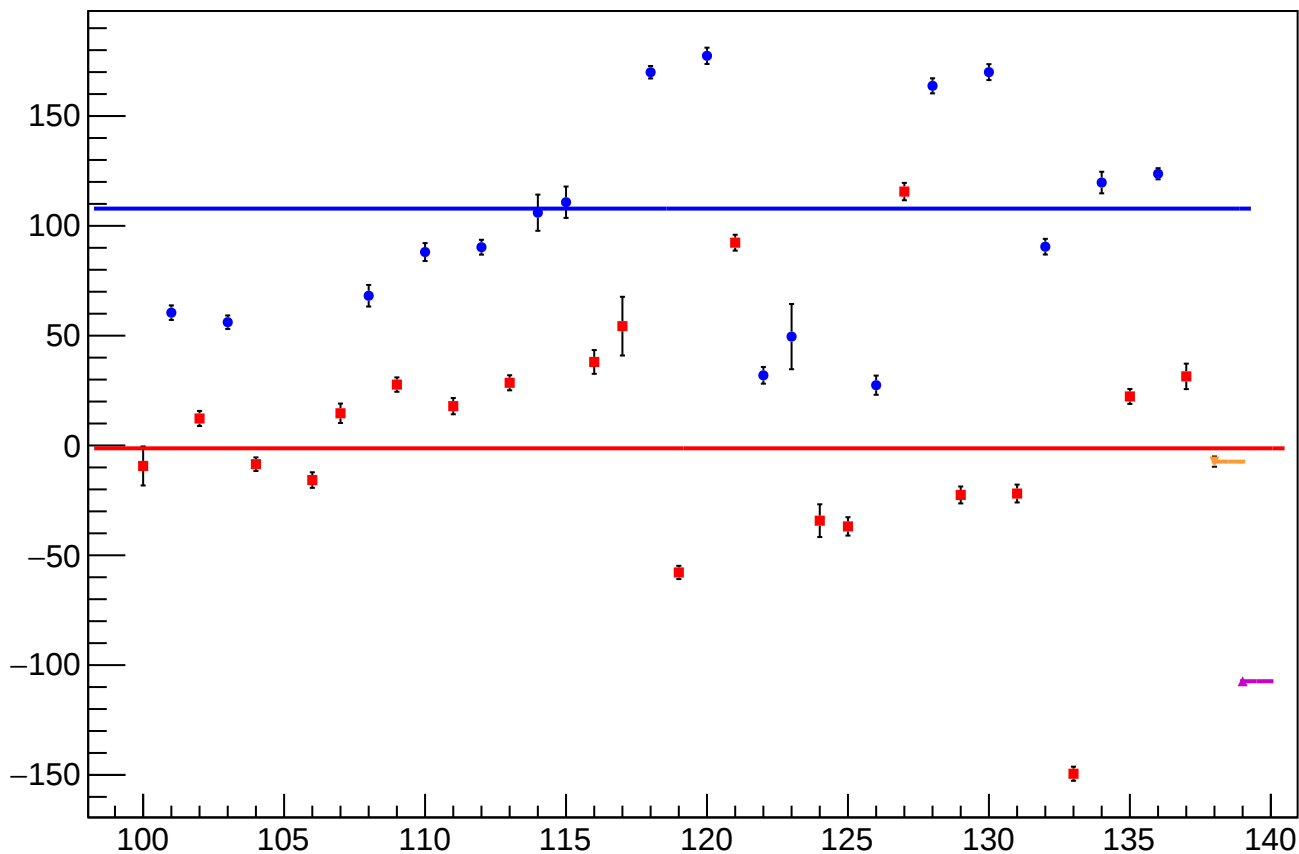
Left In: 839.299 $\pm$ 0.720 χ^2 /NDF: 0.0/0

664.493 $\pm$ 0.172 χ^2 /NDF: 53673.5/17

667.220 $\pm$ 0.121 χ^2 /NDF: 141190.8/38

669.853 $\pm$ 0.169 χ^2 /NDF: 87024.8/20

diff_bpm1i06X_mean vs Slug, Sign Corrected



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

Left Out: -7.344 $\pm$ 2.332 χ^2 /NDF: 0.0/0

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

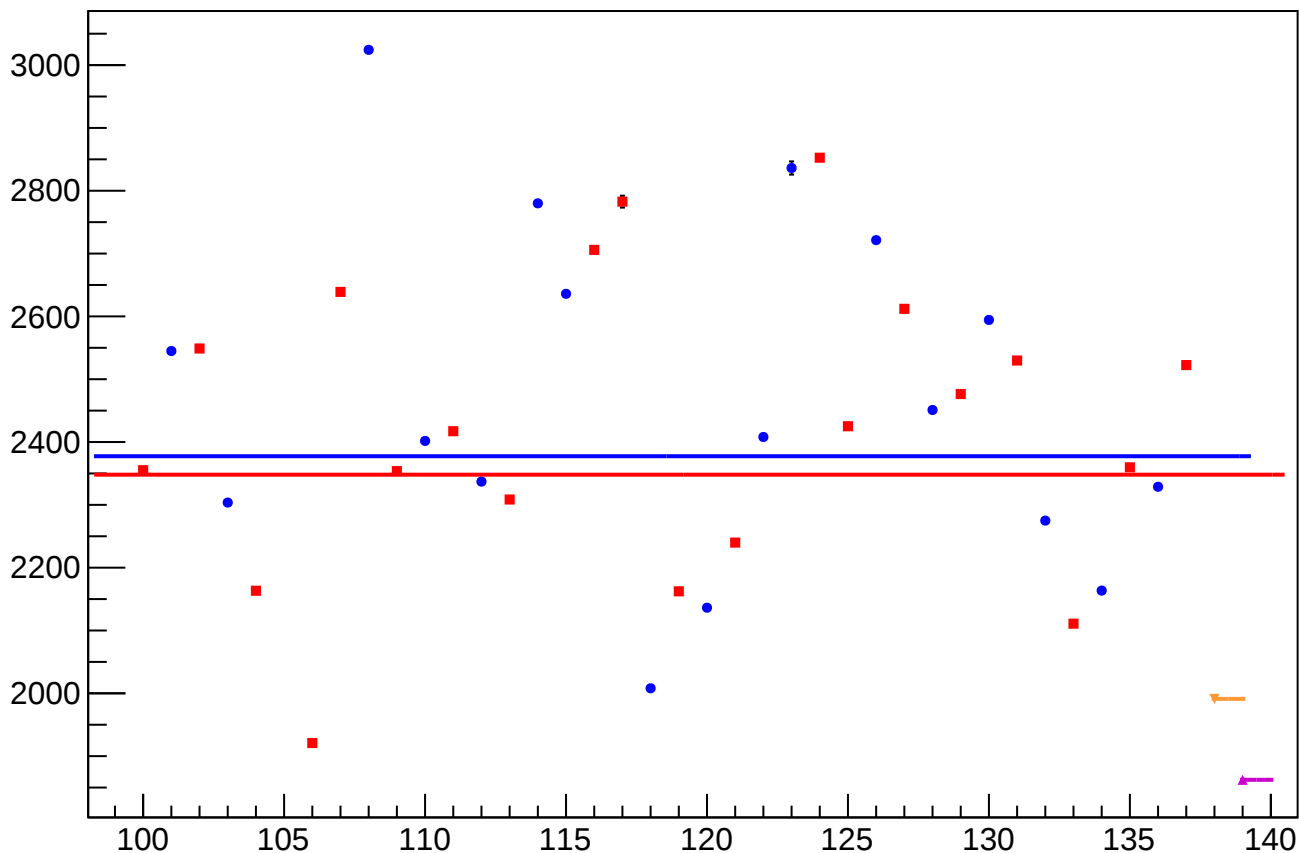
Left In: -107.337 $\pm$ 2.277 χ^2 /NDF: 0.0/0

92.293 $\pm$ 0.857 χ^2 /NDF: 4919.4/17

36.348 $\pm$ 0.593 χ^2 /NDF: 19526.6/38

-15.112 $\pm$ 0.822 χ^2 /NDF: 6426.6/20

diff_bpm1i06X_rms vs Slug, Sign Corrected



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

Left Out: 1991.142 +/- 1.649 χ^2/NDF : 0.0/0

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

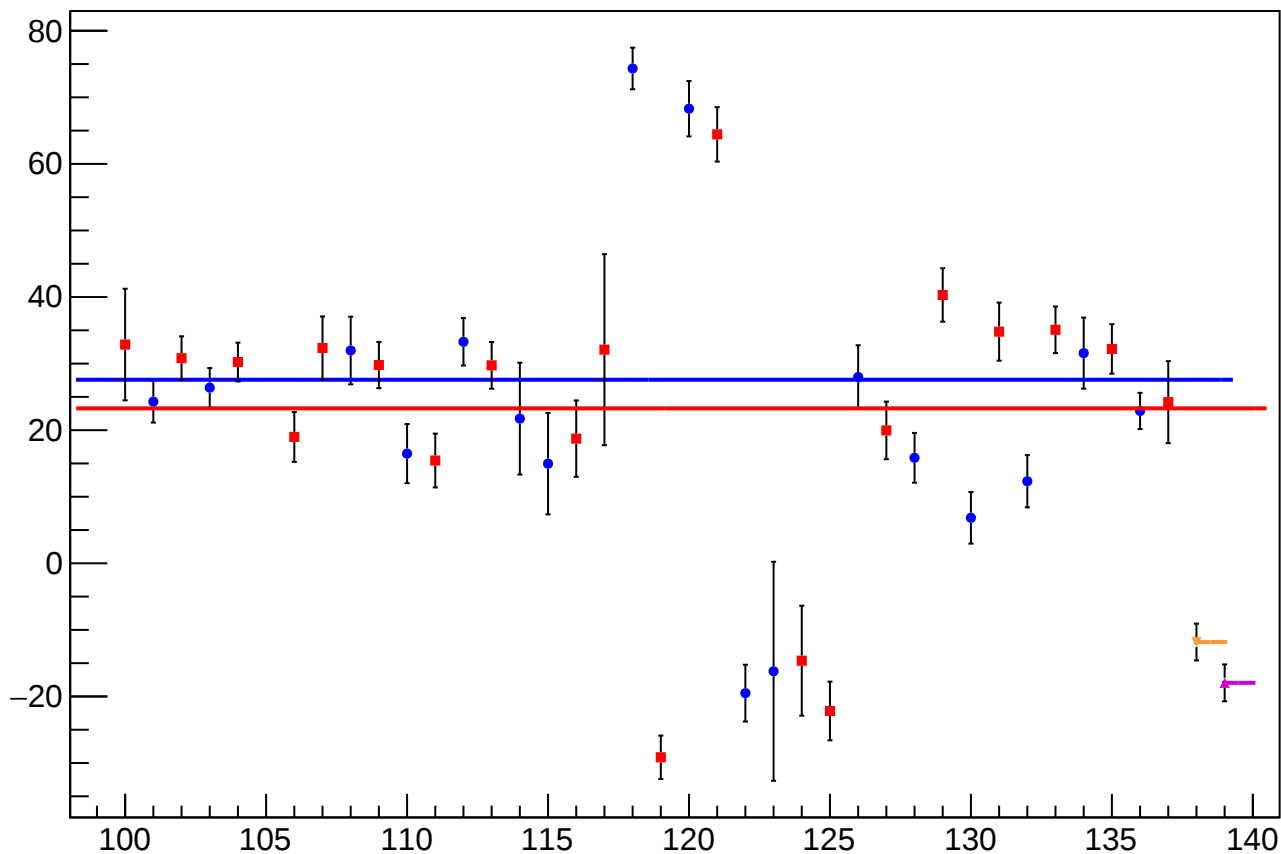
Left In: 1862.360 +/- 1.610 χ^2/NDF : 0.0/0

2325.252 +/- 0.606 χ^2/NDF : 167109.9/17

2304.156 +/- 0.419 χ^2/NDF : 358919.8/38

2284.751 +/- 0.581 χ^2/NDF : 189483.6/20

diff_bpm1i06Y_mean vs Slug, Sign Corrected



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

Left Out: -11.826 ± 2.765 χ^2/NDF : 0.0/0

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

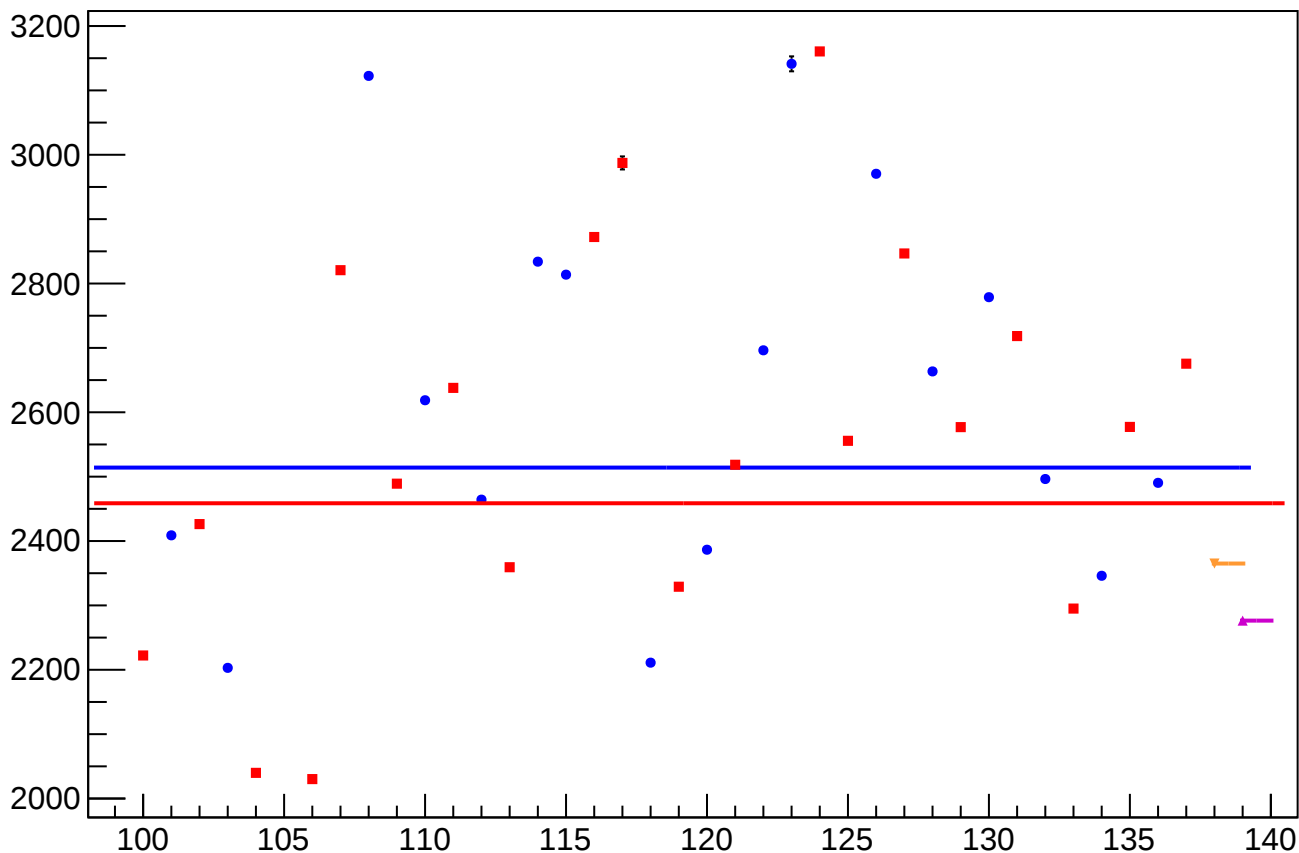
Left In: -17.956 ± 2.769 χ^2/NDF : 0.0/0

23.222 ± 0.919 χ^2/NDF : 700.2/17

21.086 ± 0.635 χ^2/NDF : 1468.1/38

19.141 ± 0.877 χ^2/NDF : 757.7/20

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2514.088+/-0.689 χ^2/NDF : 120961.3/16

Left Out: 2365.028+/-1.955 χ^2/NDF : 0.0/0

Right Out: 2458.665+/-0.654 χ^2/NDF : 152458.1/19

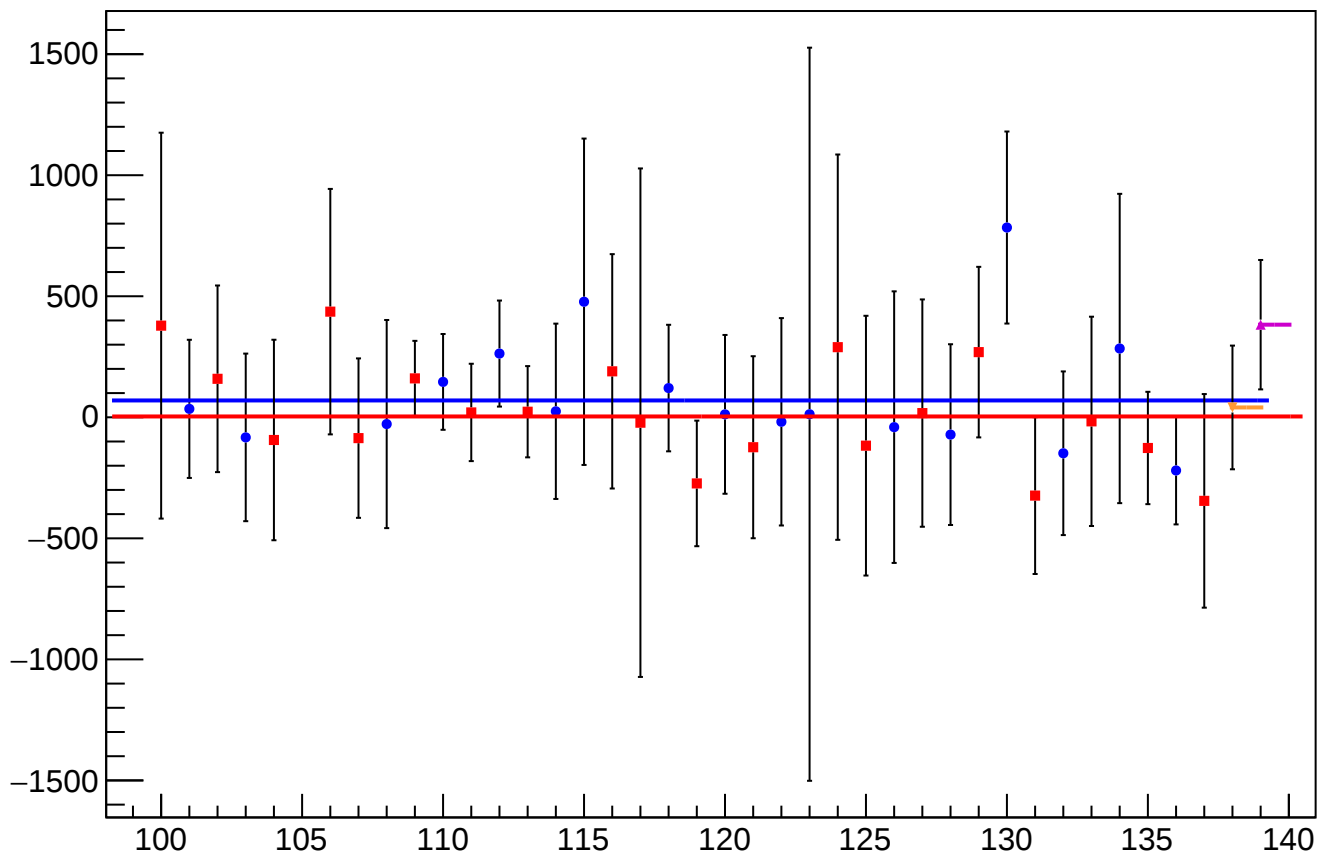
Left In: 2276.365+/-1.958 χ^2/NDF : 0.0/0

2497.612+/-0.650 χ^2/NDF : 126130.6/17

2467.656+/-0.449 χ^2/NDF : 290443.0/38

2440.367+/-0.620 χ^2/NDF : 160254.3/20

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: 40.703 $\pm$ 255.487 χ^2 /NDF: 0.0/0

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

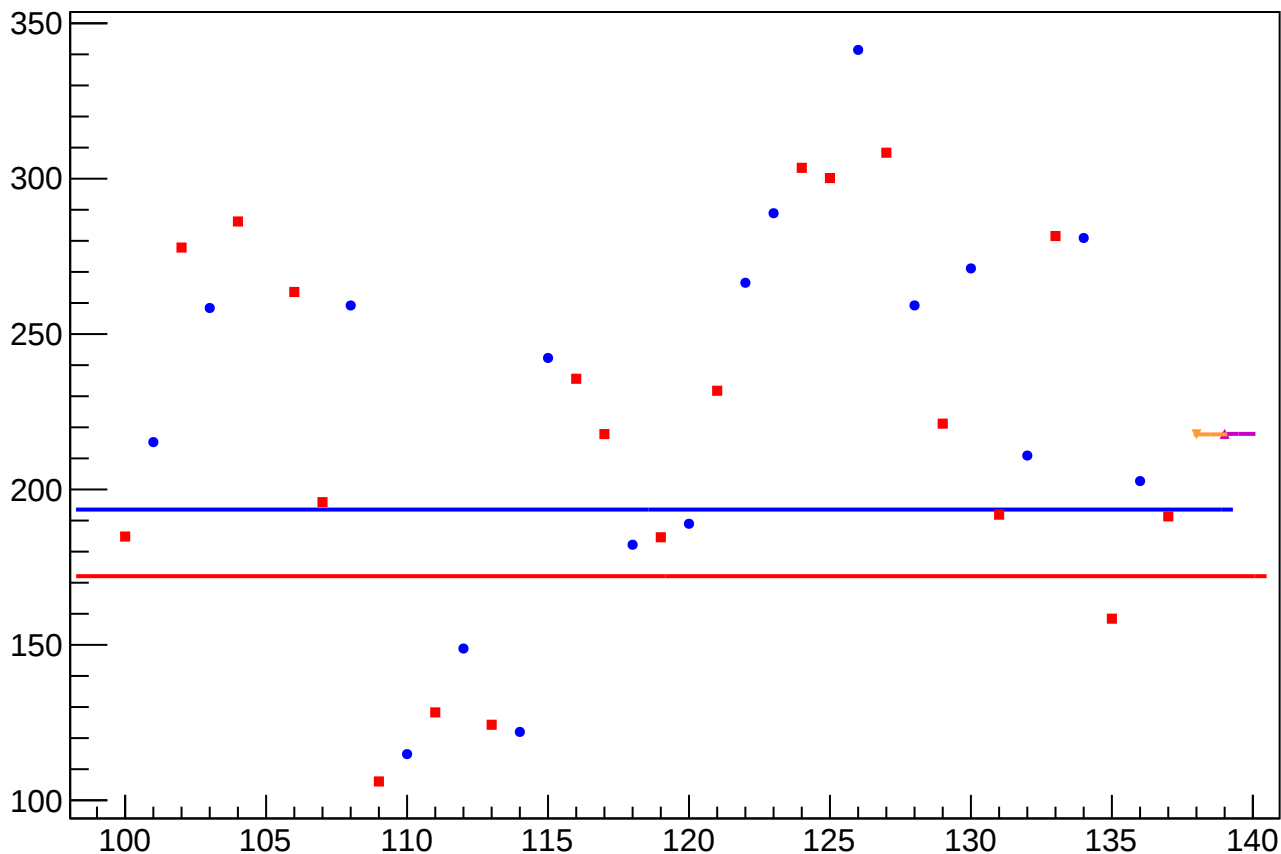
Left In: 382.565 $\pm$ 267.287 χ^2 /NDF: 0.0/0

67.065 $\pm$ 75.495 χ^2 /NDF: 7.3/17

45.187 $\pm$ 50.343 χ^2 /NDF: 15.8/38

27.667 $\pm$ 67.558 χ^2 /NDF: 8.3/20

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.533+/-0.056 χ^2/NDF : 1010428.2/16

Left Out: 217.729+/-0.181 χ^2/NDF : 0.0/0

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

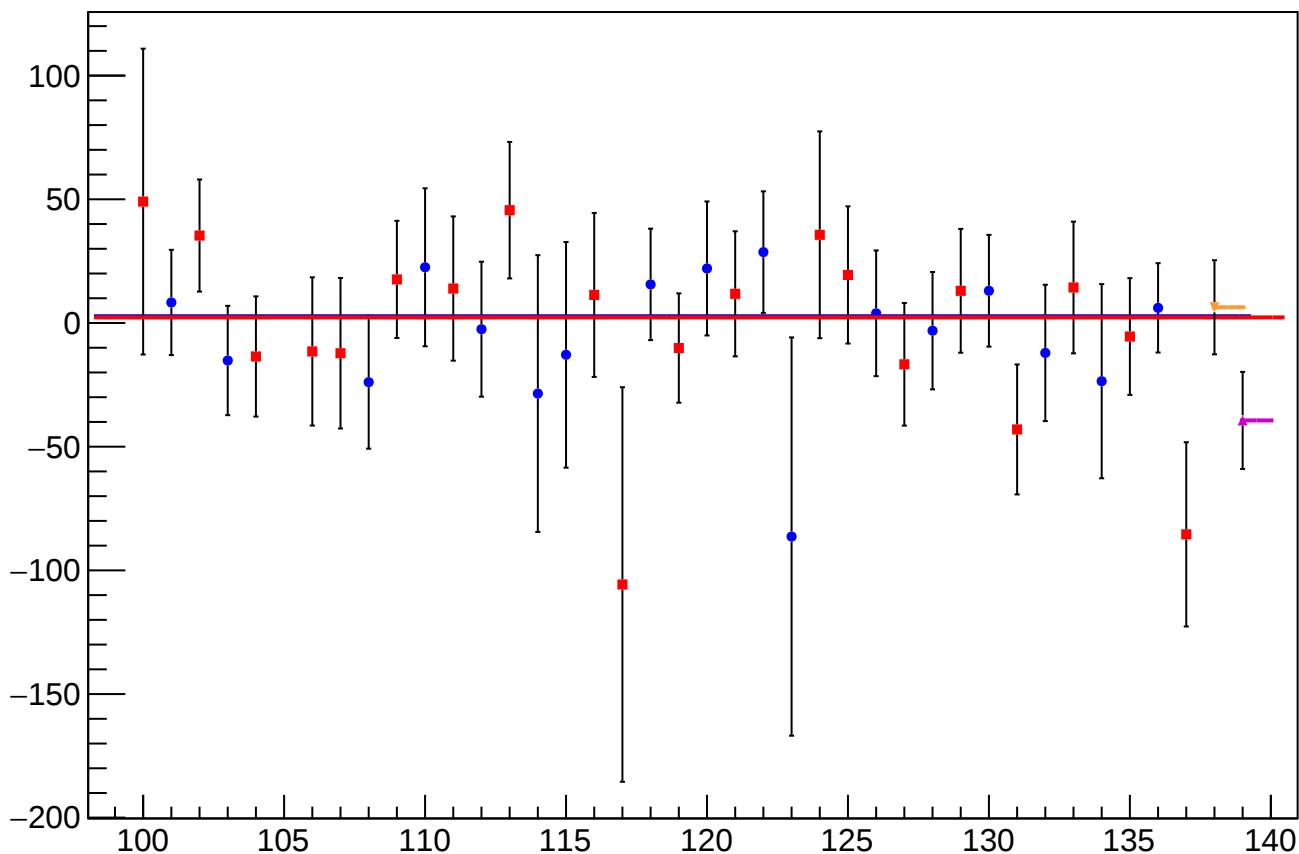
Left In: 217.884+/-0.189 χ^2/NDF : 0.0/0

195.646+/-0.053 χ^2/NDF : 1026800.6/17

184.197+/-0.036 χ^2/NDF : 2745250.4/38

175.028+/-0.048 χ^2/NDF : 1635615.9/20

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.733 $\pm$ 6.424 χ^2 /NDF: 6.8/16

Left Out: 6.348 $\pm$ 19.018 χ^2 /NDF: 0.0/0

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

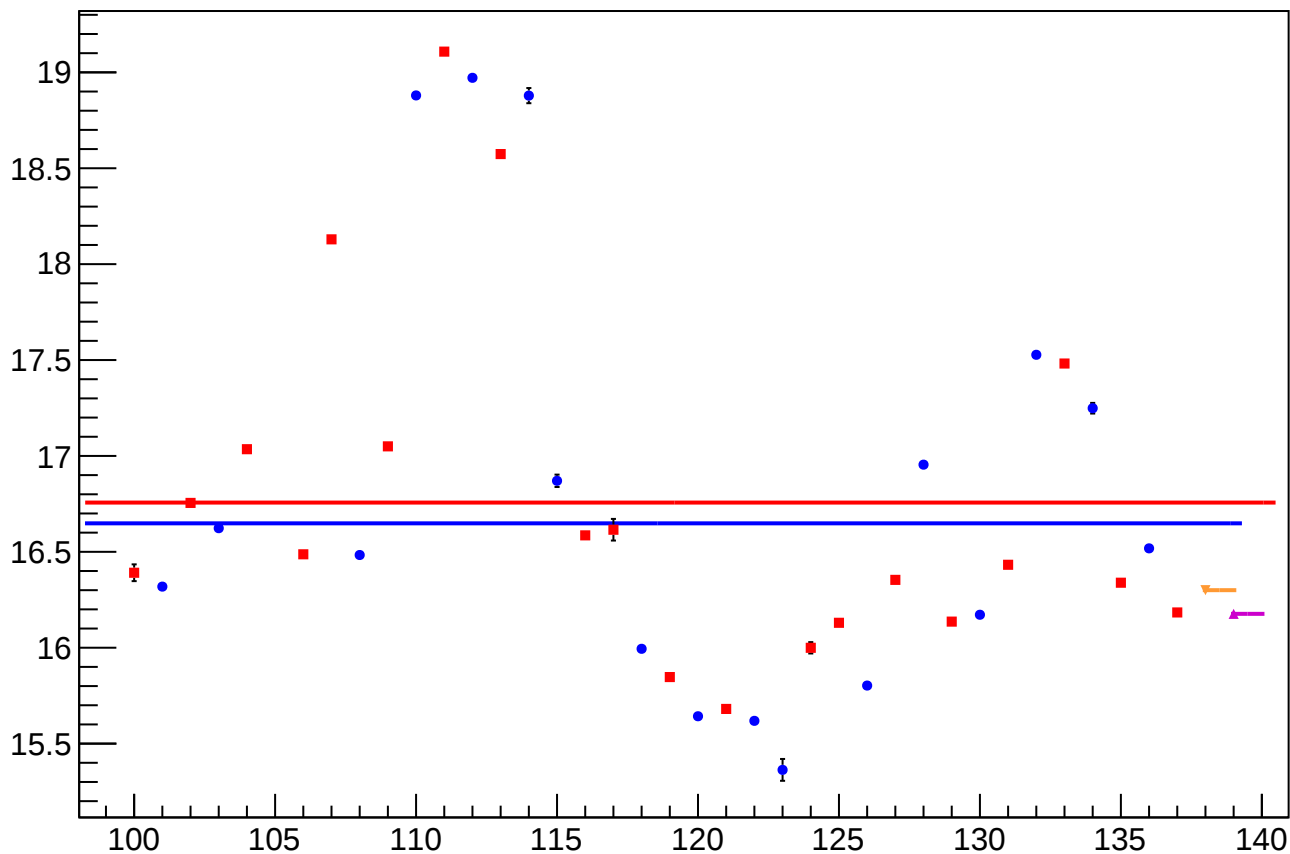
Left In: -39.381 $\pm$ 19.619 χ^2 /NDF: 0.0/0

3.104 $\pm$ 6.086 χ^2 /NDF: 6.8/17

0.710 $\pm$ 4.259 χ^2 /NDF: 30.8/38

-1.588 $\pm$ 5.963 χ^2 /NDF: 23.7/20

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: 16.300 $\pm$ 0.013 χ^2 /NDF: 0.0/0

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

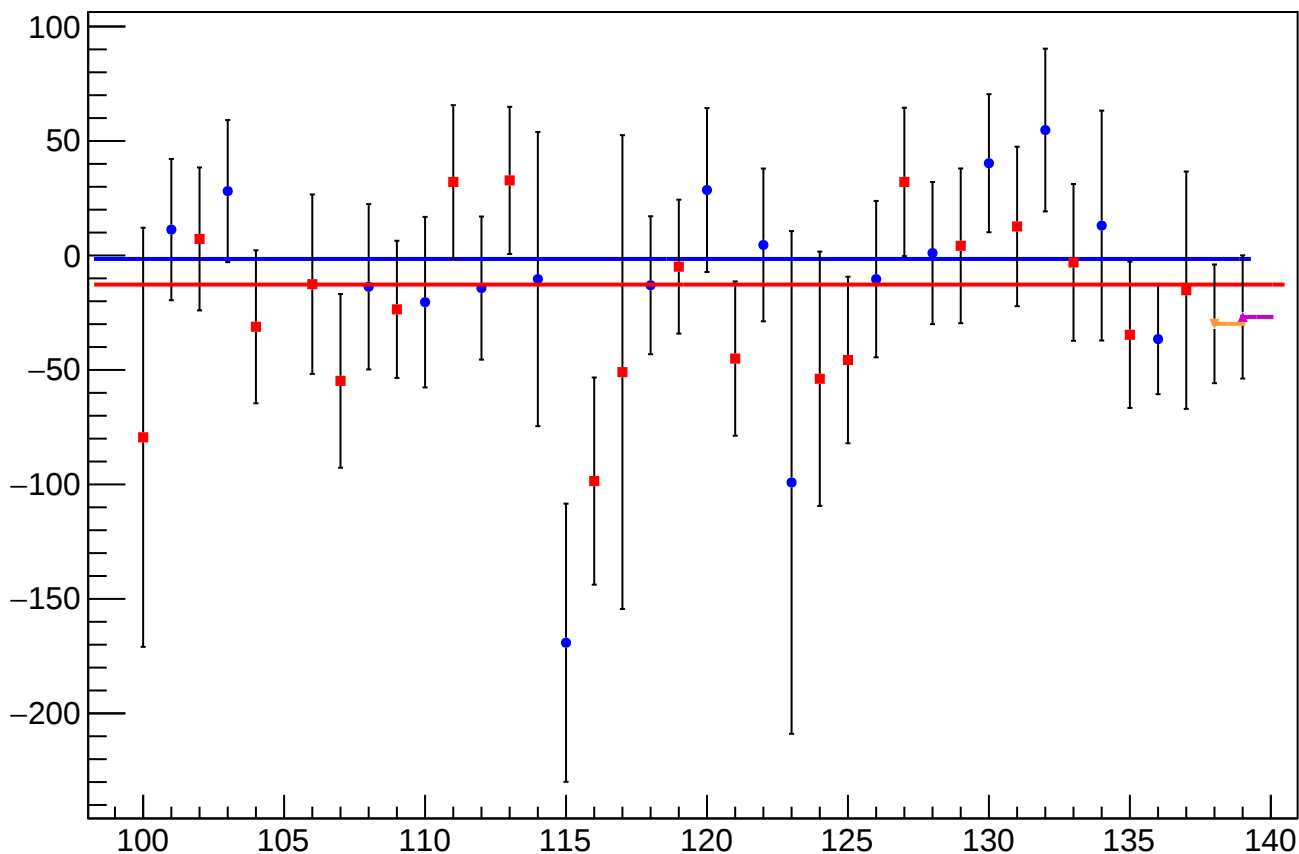
Left In: 16.177 $\pm$ 0.014 χ^2 /NDF: 0.0/0

16.613 $\pm$ 0.004 χ^2 /NDF: 43169.7/17

16.659 $\pm$ 0.003 χ^2 /NDF: 84939.5/38

16.703 $\pm$ 0.004 χ^2 /NDF: 41544.8/20

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: -29.860 ± 25.917 χ^2/NDF : 0.0/0

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

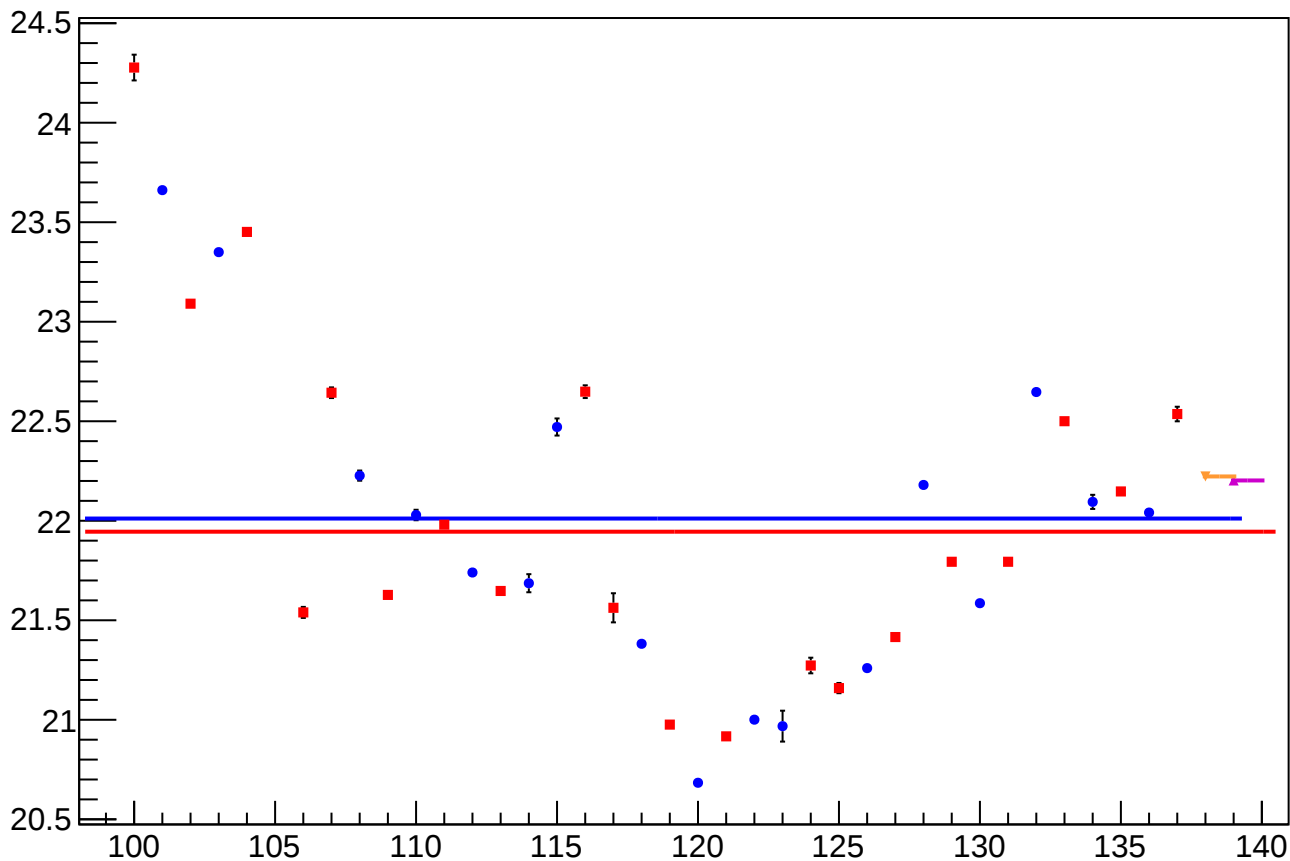
Left In: -26.855 ± 26.912 χ^2/NDF : 0.0/0

-4.266 ± 8.064 χ^2/NDF : 18.7/17

-9.231 ± 5.618 χ^2/NDF : 35.4/38

-13.913 ± 7.830 χ^2/NDF : 16.0/20

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 22.223 $\pm$ 0.018 χ^2 /NDF: 0.0/0

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

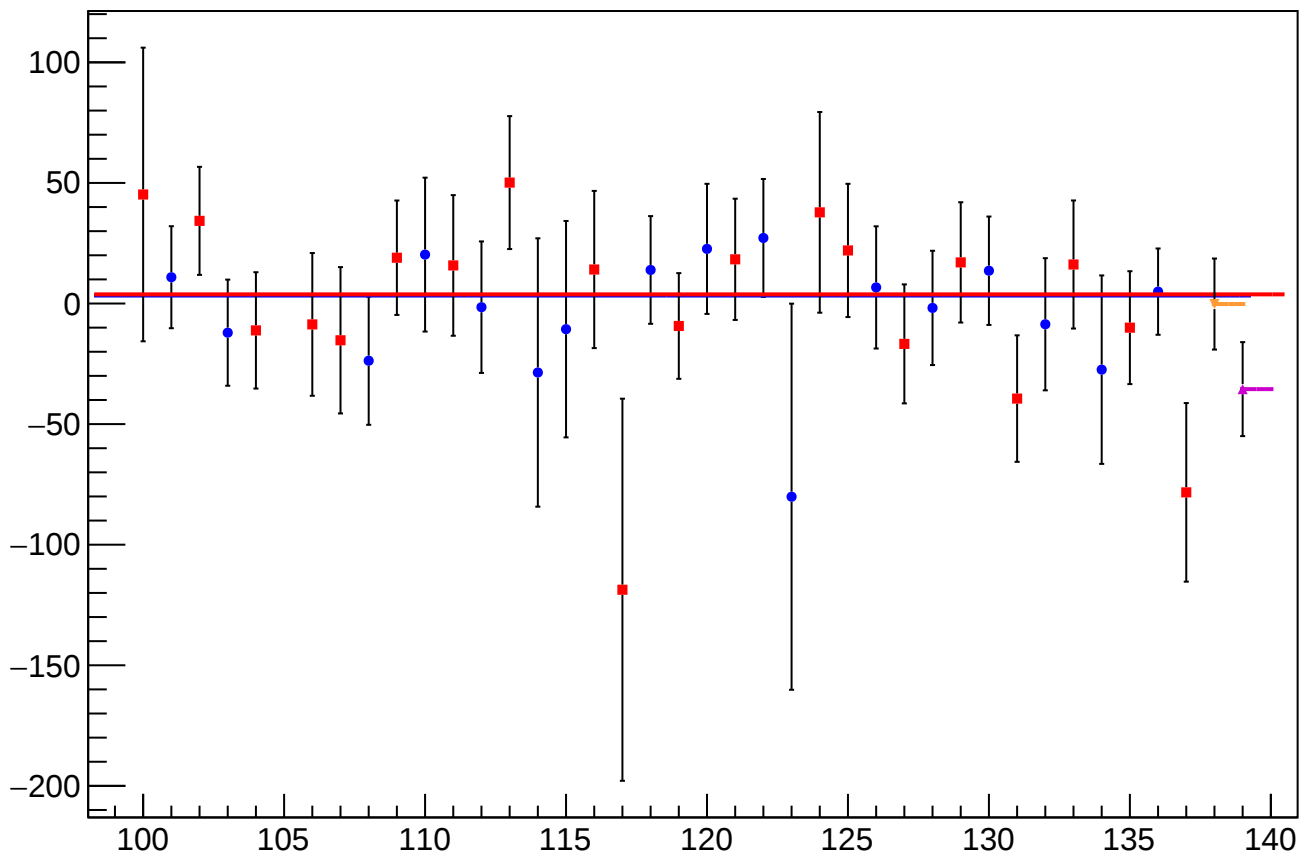
Left In: 22.203 $\pm$ 0.019 χ^2 /NDF: 0.0/0

22.032 $\pm$ 0.006 χ^2 /NDF: 17667.2/17

21.998 $\pm$ 0.004 χ^2 /NDF: 34521.4/38

21.967 $\pm$ 0.006 χ^2 /NDF: 16787.8/20

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.317 $\pm$ 6.388 χ^2 /NDF: 6.3/16

Left Out: -0.219 $\pm$ 18.874 χ^2 /NDF: 0.0/0

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

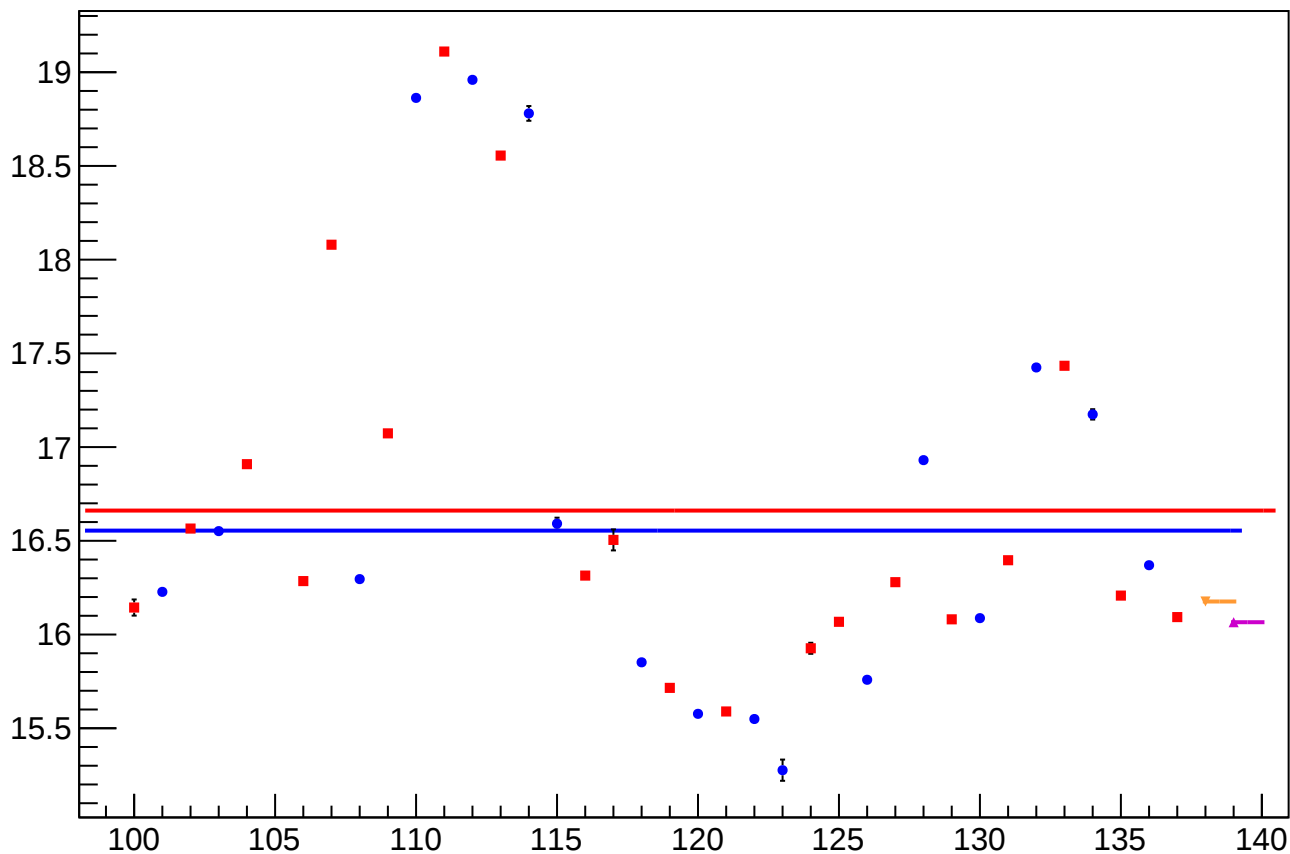
Left In: -35.496 $\pm$ 19.484 χ^2 /NDF: 0.0/0

2.953 $\pm$ 6.051 χ^2 /NDF: 6.3/17

1.529 $\pm$ 4.235 χ^2 /NDF: 30.2/38

0.161 $\pm$ 5.929 χ^2 /NDF: 23.8/20

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: 16.176 $\pm$ 0.013 χ^2 /NDF:0.0/0

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

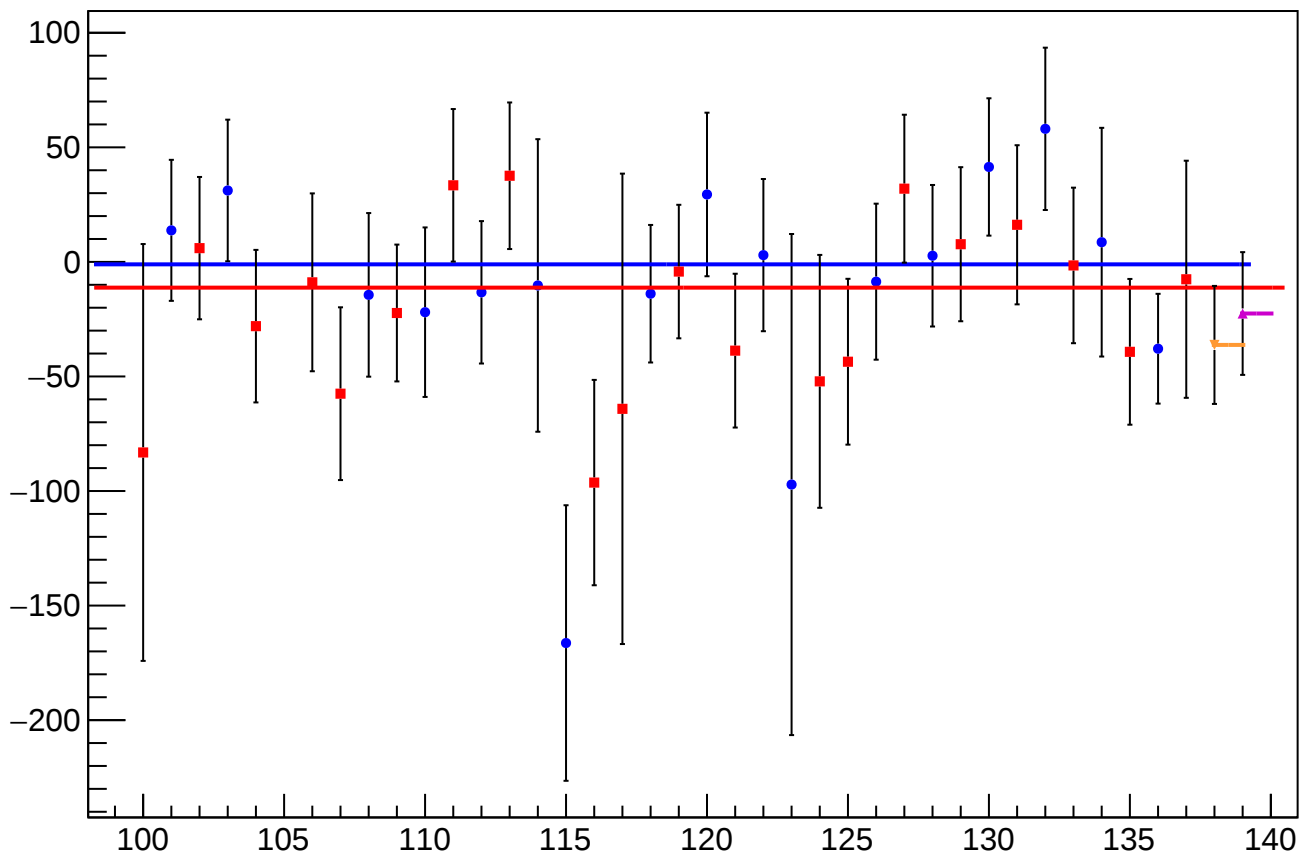
Left In: 16.066 $\pm$ 0.014 χ^2 /NDF:0.0/0

16.515 $\pm$ 0.004 χ^2 /NDF: 45195.6/17

16.562 $\pm$ 0.003 χ^2 /NDF: 90192.3/38

16.606 $\pm$ 0.004 χ^2 /NDF: 44767.5/20

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.068 ± 8.444 χ^2/NDF : 18.5/16

Left Out: -36.236 ± 25.756 χ^2/NDF : 0.0/0

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

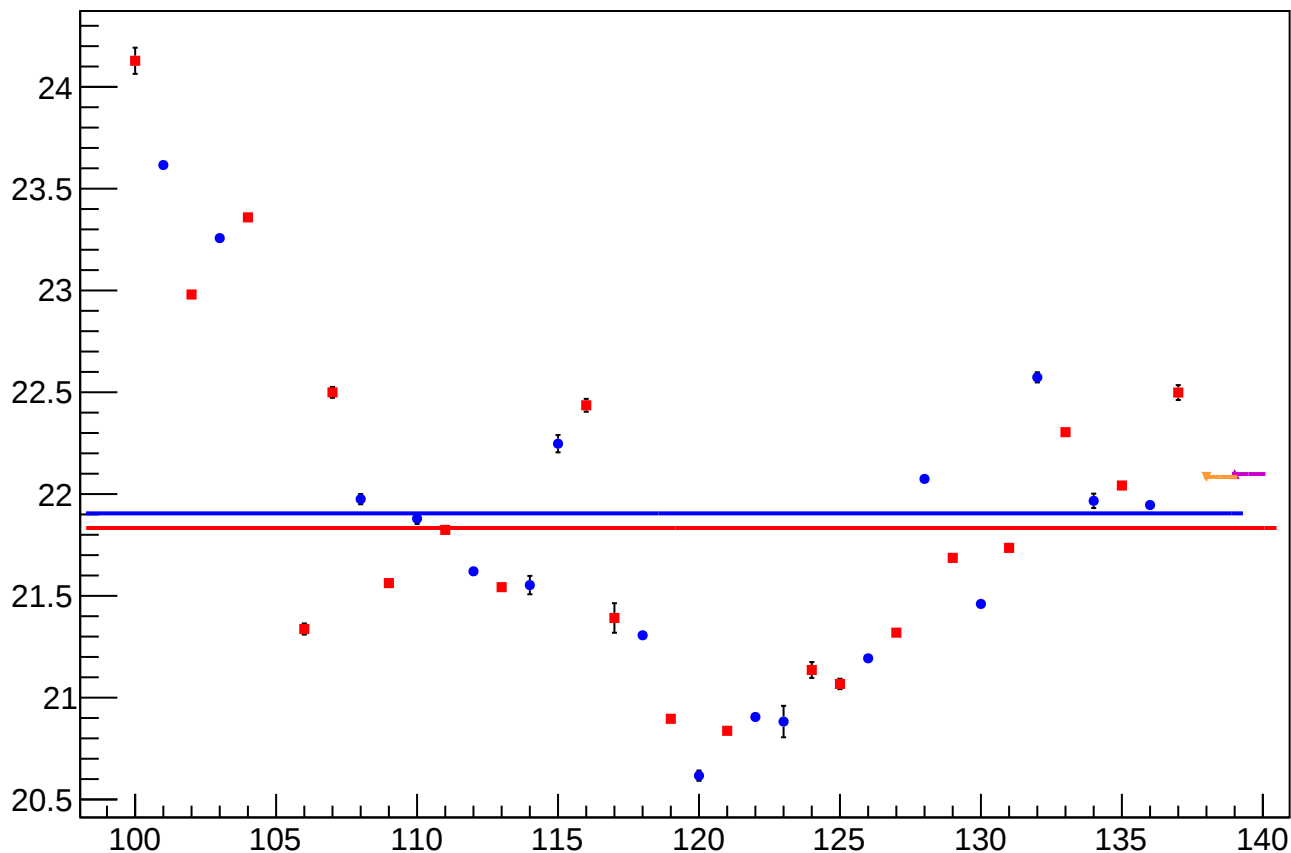
Left In: -22.528 ± 26.786 χ^2/NDF : 0.0/0

-4.482 ± 8.024 χ^2/NDF : 20.2/17

-8.450 ± 5.590 χ^2/NDF : 37.3/38

-12.190 ± 7.791 χ^2/NDF : 16.7/20

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: 22.084 $\pm$ 0.018 χ^2 /NDF: 0.0/0

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

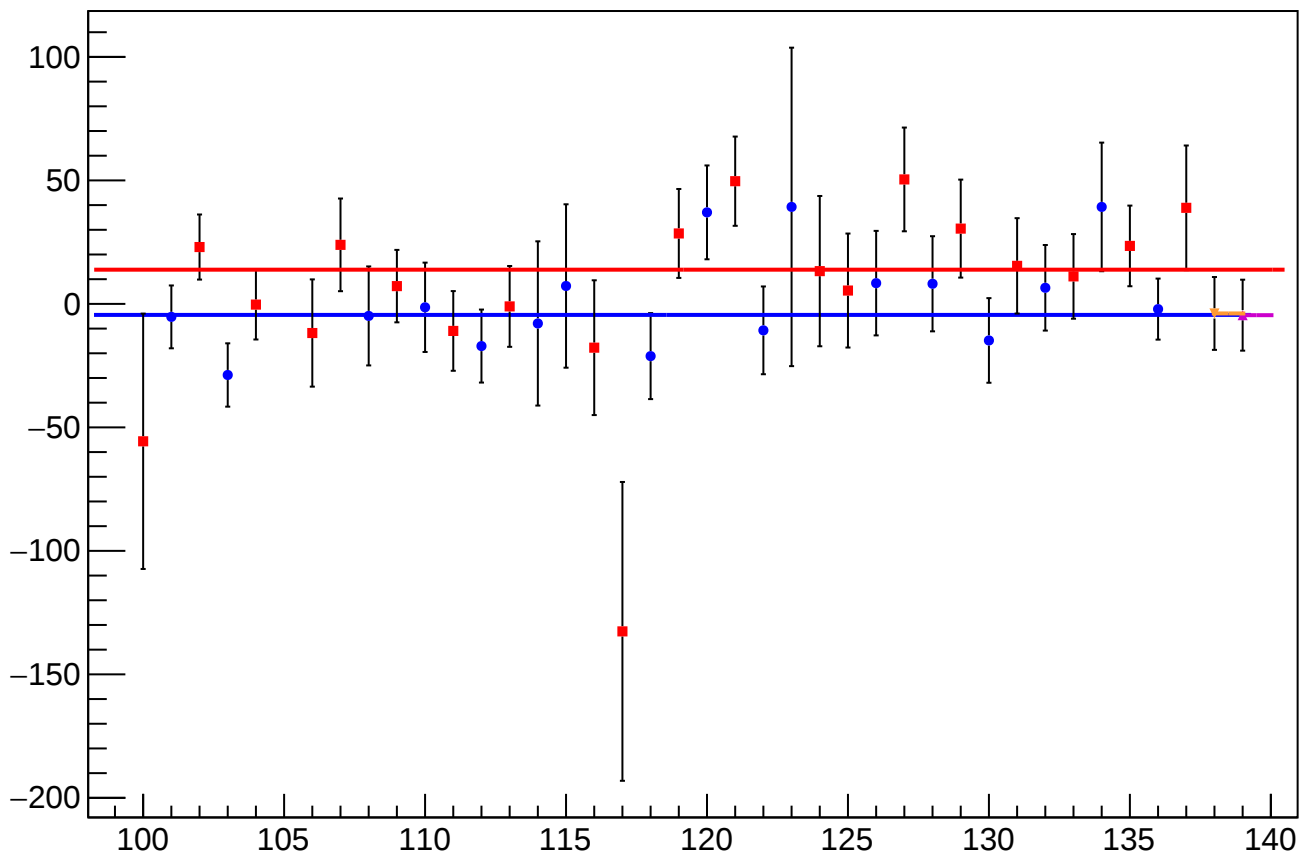
Left In: 22.098 $\pm$ 0.019 χ^2 /NDF: 0.0/0

21.923 $\pm$ 0.006 χ^2 /NDF: 17881.4/17

21.888 $\pm$ 0.004 χ^2 /NDF: 34420.3/38

21.856 $\pm$ 0.006 χ^2 /NDF: 16467.6/20

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.461 ± 4.329 χ^2/NDF : 15.2/16

Left Out: -3.868 ± 14.749 χ^2/NDF : 0.0/0

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

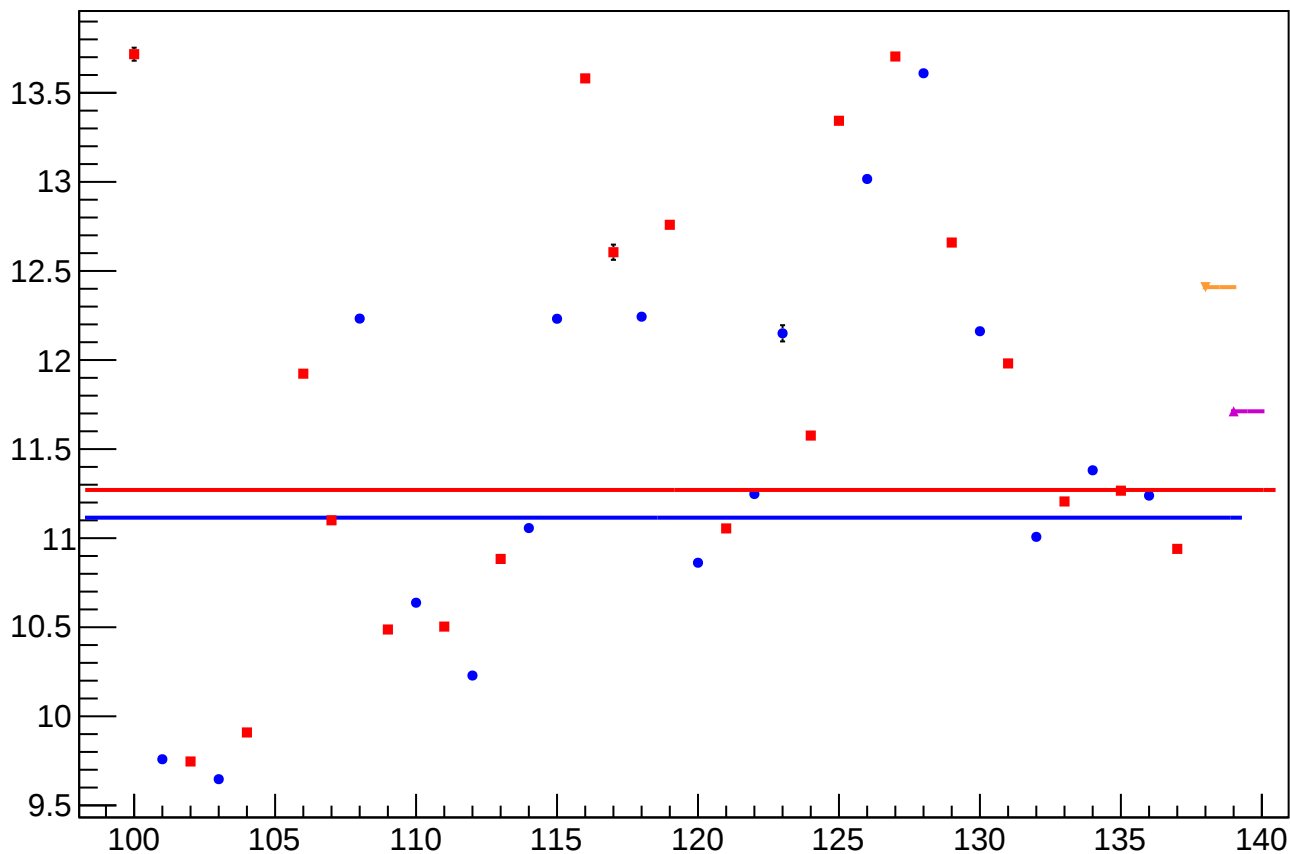
Left In: -4.569 ± 14.368 χ^2/NDF : 0.0/0

-4.414 ± 4.153 χ^2/NDF : 15.2/17

4.130 ± 2.910 χ^2/NDF : 50.4/38

12.367 ± 4.078 χ^2/NDF : 26.9/20

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.115 $\pm$ 0.003 χ^2 /NDF: 133059.3/16

Left Out: 12.409 $\pm$ 0.010 χ^2 /NDF: 0.0/0

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

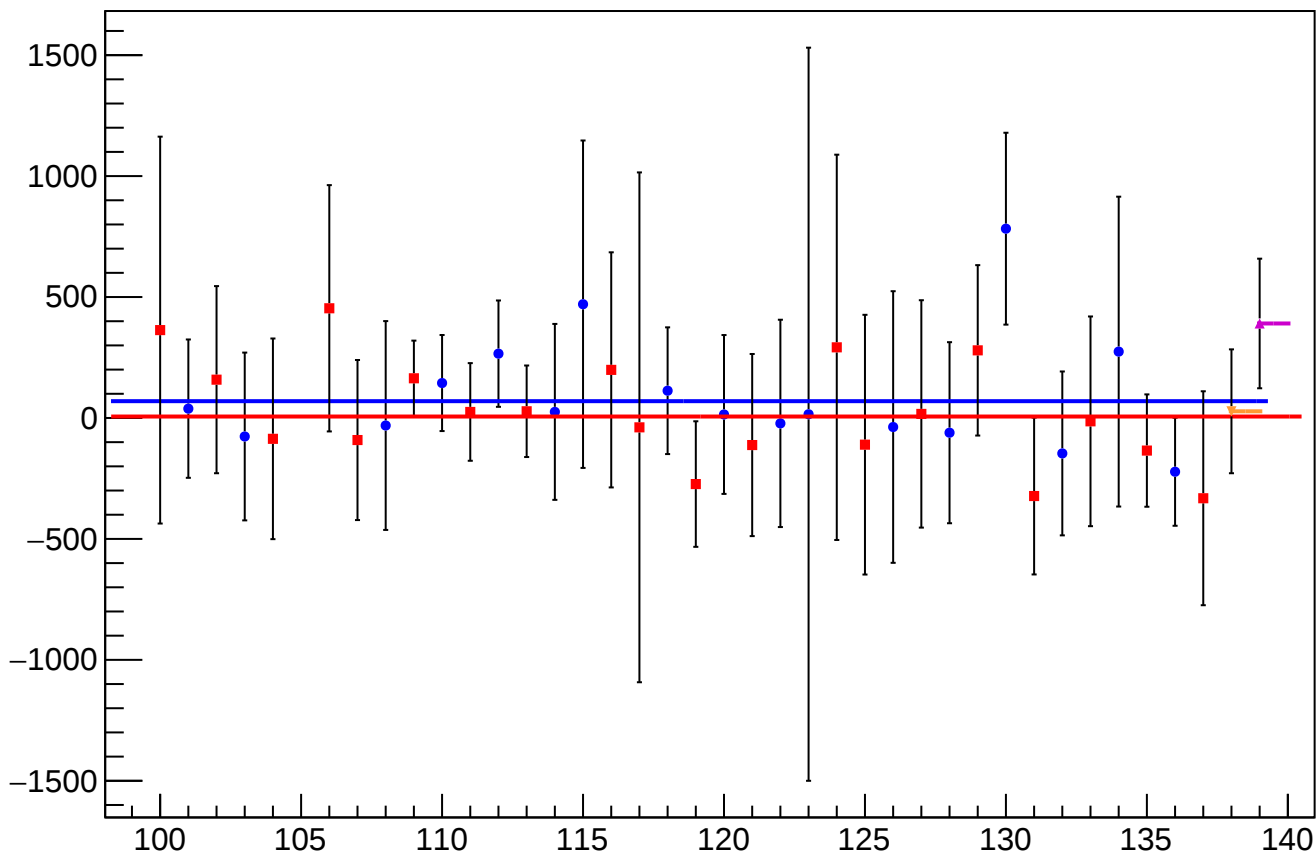
Left In: 11.712 $\pm$ 0.010 χ^2 /NDF: 0.0/0

11.218 $\pm$ 0.003 χ^2 /NDF: 147235.2/17

11.263 $\pm$ 0.002 χ^2 /NDF: 297895.9/38

11.306 $\pm$ 0.003 χ^2 /NDF: 150198.5/20

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.470 $\pm$ 79.231 χ^2 /NDF: 7.3/16

Left Out: 27.590 $\pm$ 256.065 χ^2 /NDF: 0.0/0

Right Out: 5.996 $\pm$ 70.027 χ^2 /NDF: 6.5/19

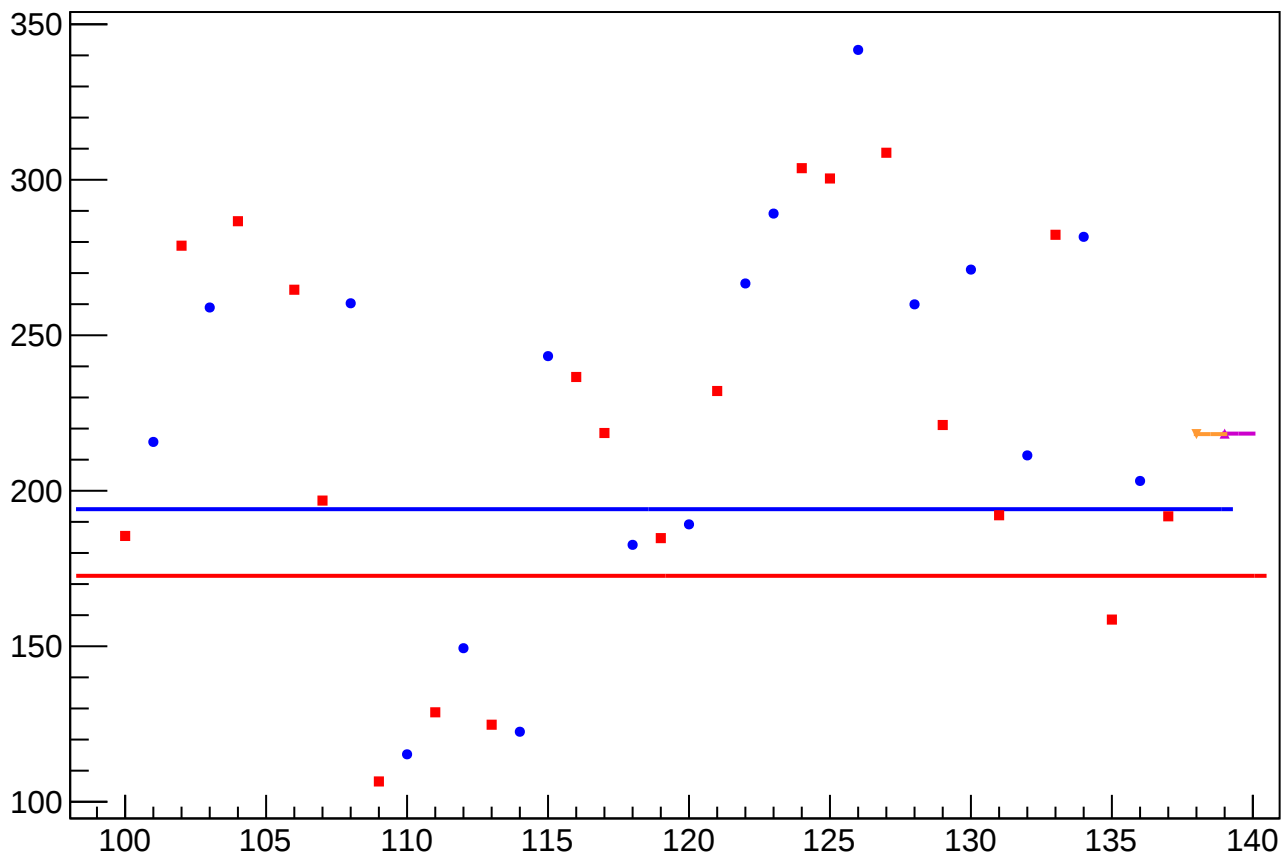
Left In: 390.668 $\pm$ 267.897 χ^2 /NDF: 0.0/0

65.811 $\pm$ 75.691 χ^2 /NDF: 7.3/17

46.262 $\pm$ 50.482 χ^2 /NDF: 15.8/38

30.599 $\pm$ 67.751 χ^2 /NDF: 8.4/20

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: 218.220 $\pm$ 0.181 χ^2 /NDF: 0.0/0

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

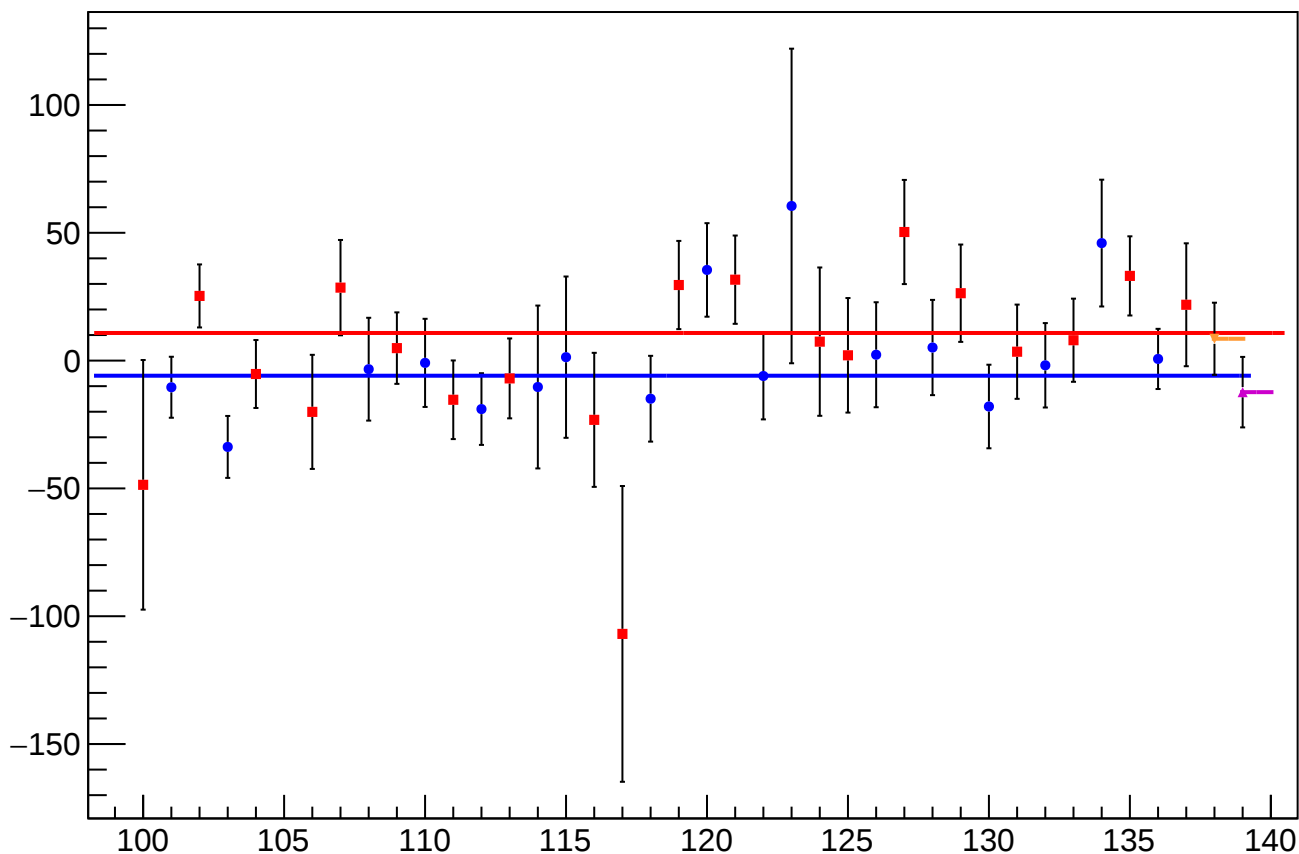
Left In: 218.381 $\pm$ 0.189 χ^2 /NDF: 0.0/0

196.191 $\pm$ 0.054 χ^2 /NDF: 1021615.4/17

184.748 $\pm$ 0.036 χ^2 /NDF: 2731764.0/38

175.580 $\pm$ 0.048 χ^2 /NDF: 1627816.5/20

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.912 ± 4.133 χ^2/NDF : 18.8/16

Left Out: 8.540 ± 14.113 χ^2/NDF : 0.0/0

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

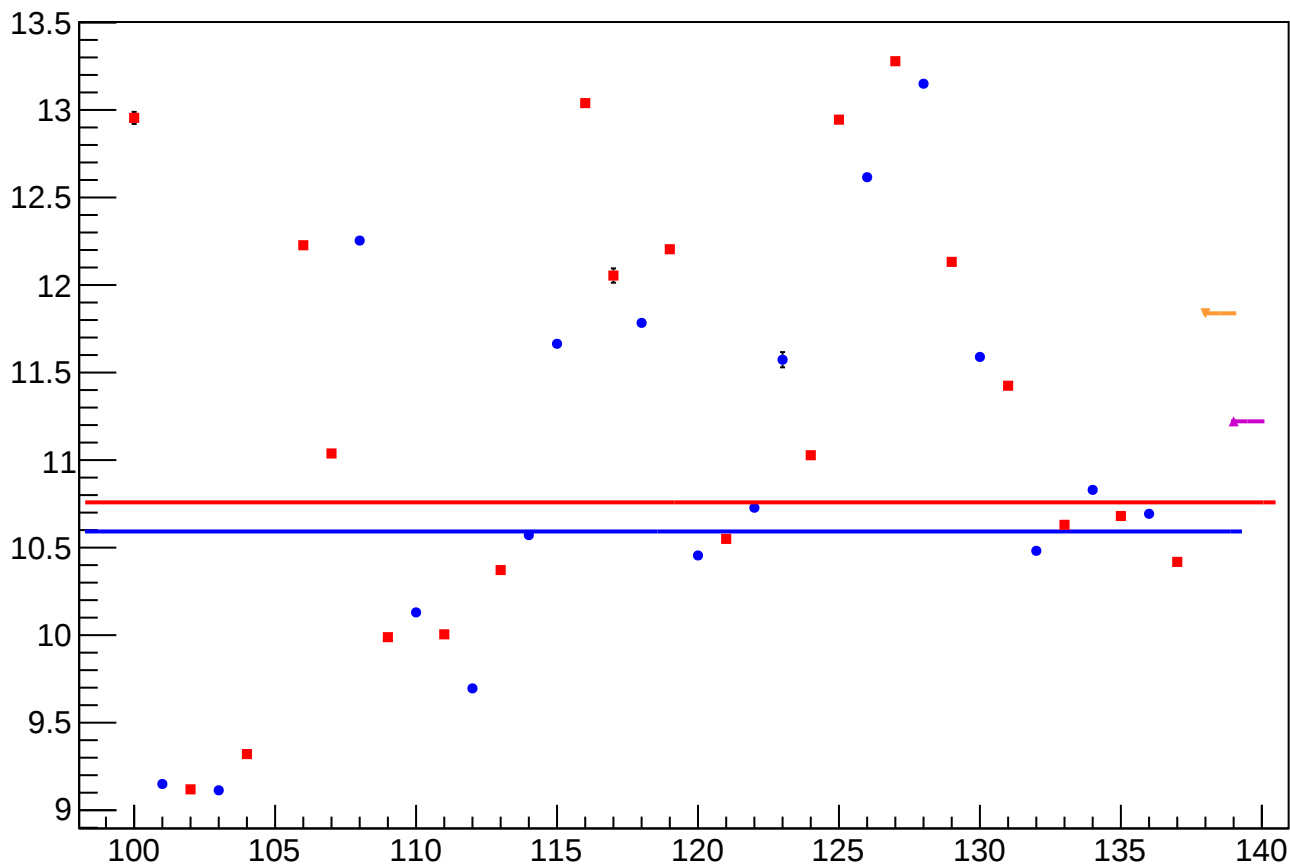
Left In: -12.342 ± 13.790 χ^2/NDF : 0.0/0

-4.771 ± 3.967 χ^2/NDF : 19.8/17

2.204 ± 2.782 χ^2/NDF : 55.5/38

8.953 ± 3.902 χ^2/NDF : 29.6/20

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.592+/-0.003 χ^2/NDF : 160397.9/16

Left Out: 11.838+/-0.010 χ^2/NDF : 0.0/0

Right Out: 10.758+/-0.003 χ^2/NDF : 177903.3/19

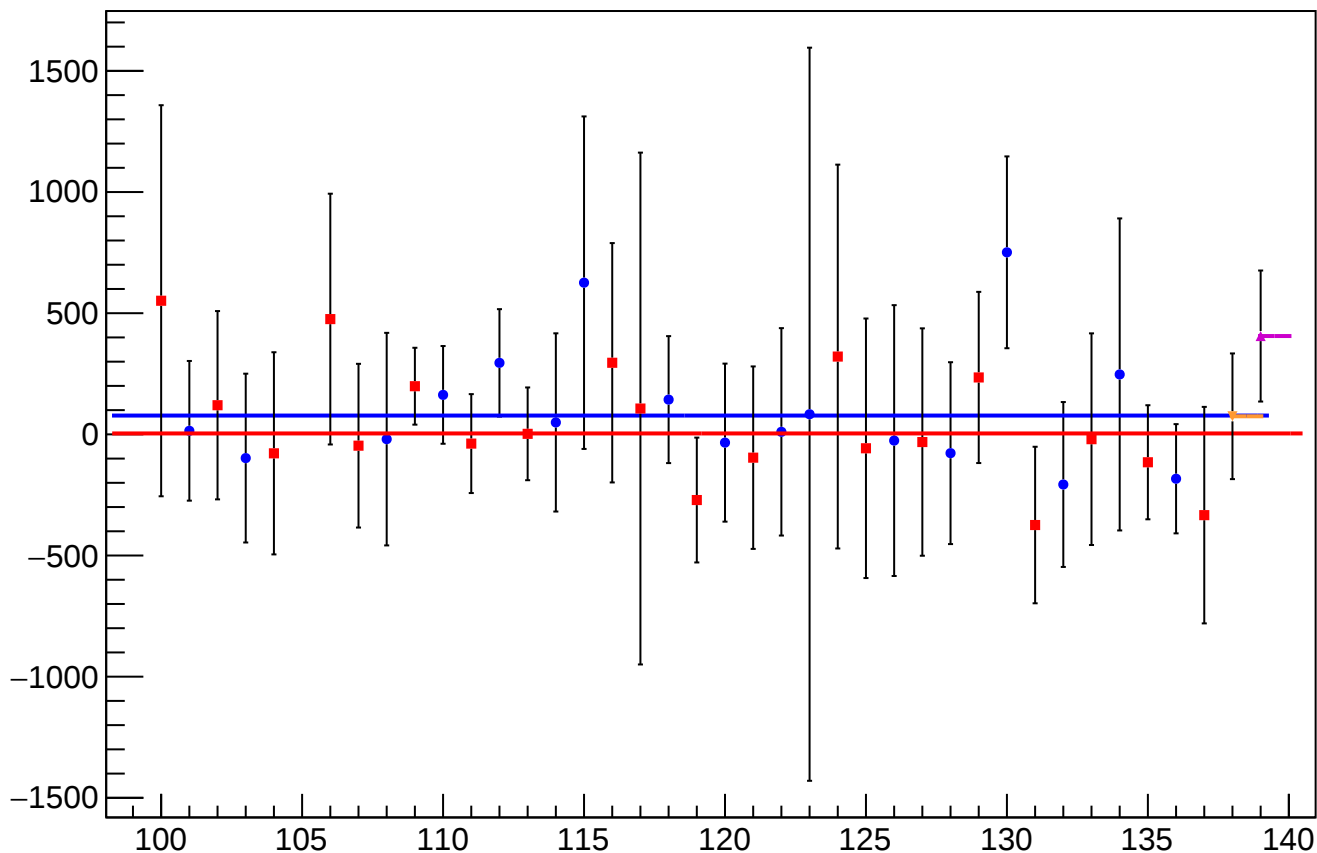
Left In: 11.221+/-0.010 χ^2/NDF : 0.0/0

10.691+/-0.003 χ^2/NDF : 174758.2/17

10.744+/-0.002 χ^2/NDF : 355445.3/38

10.796+/-0.003 χ^2/NDF : 179977.1/20

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: 74.574 $\pm$ 259.348 χ^2 /NDF: 0.0/0

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

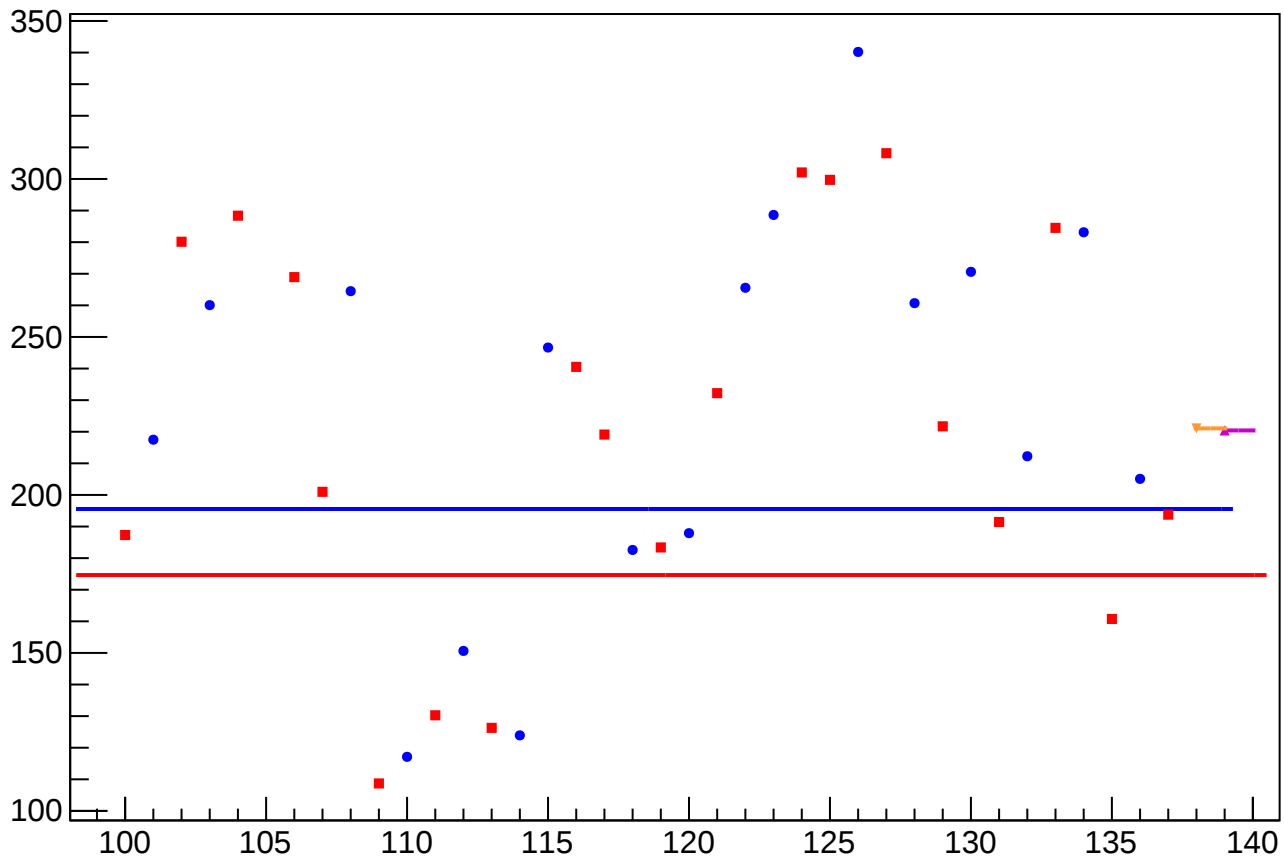
Left In: 405.762 $\pm$ 270.354 χ^2 /NDF: 0.0/0

77.329 $\pm$ 76.228 χ^2 /NDF: 7.6/17

50.830 $\pm$ 50.908 χ^2 /NDF: 17.2/38

29.497 $\pm$ 68.396 χ^2 /NDF: 9.4/20

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: 221.062 $\pm$ 0.183 χ^2 /NDF: 0.0/0

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

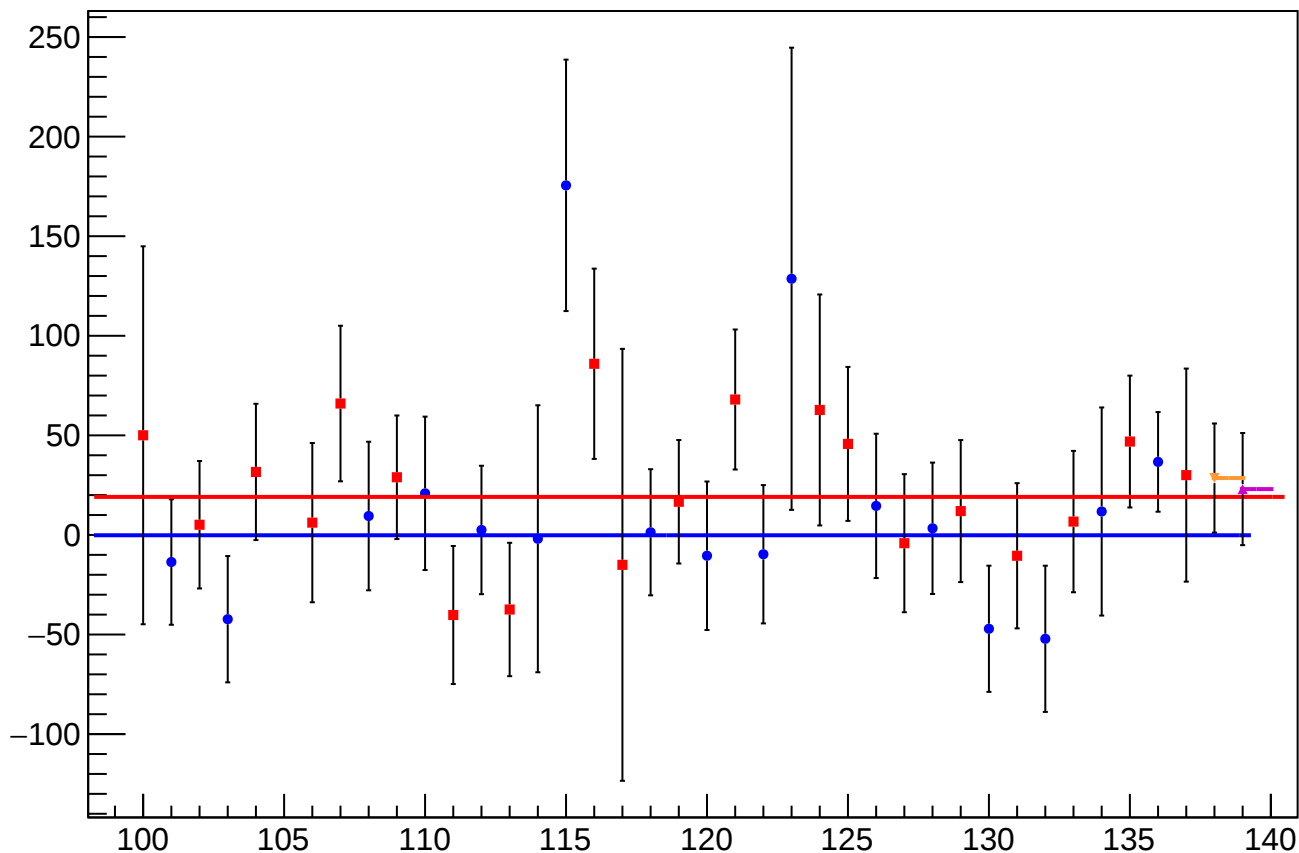
Left In: 220.412 $\pm$ 0.191 χ^2 /NDF: 0.0/0

197.755 $\pm$ 0.054 χ^2 /NDF: 997617.4/17

186.577 $\pm$ 0.036 χ^2 /NDF: 2661069.5/38

177.578 $\pm$ 0.048 χ^2 /NDF: 1585826.4/20

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: 28.570 ± 27.391 $\chi^2/\text{NDF}: 0.0/0$

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

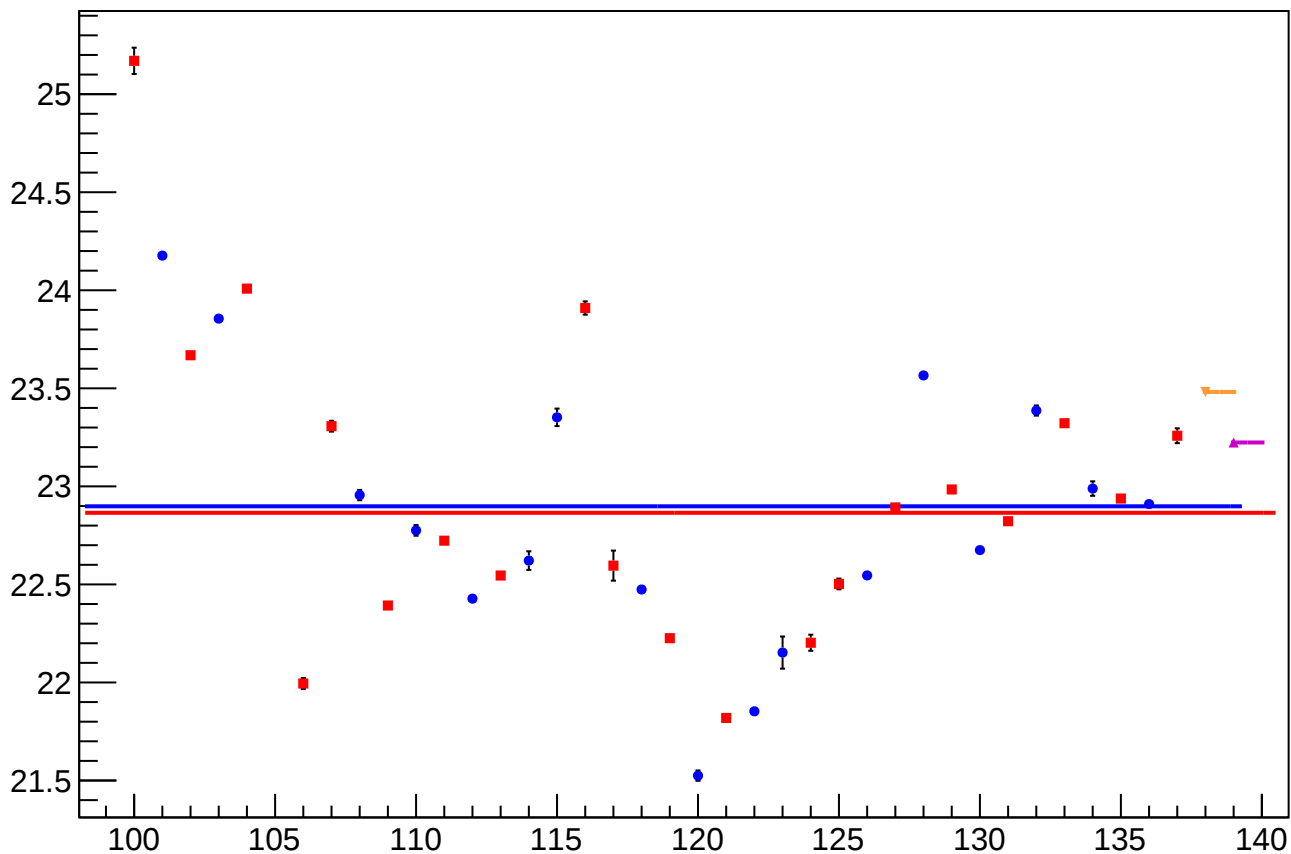
Left In: 23.024 ± 28.149 $\chi^2/\text{NDF}: 0.0/0$

2.544 ± 8.401 $\chi^2/\text{NDF}: 19.1/17$

11.233 ± 5.854 $\chi^2/\text{NDF}: 36.1/38$

19.433 ± 8.161 $\chi^2/\text{NDF}: 14.9/20$

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: 23.481 $\pm$ 0.019 χ^2 /NDF: 0.0/0

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

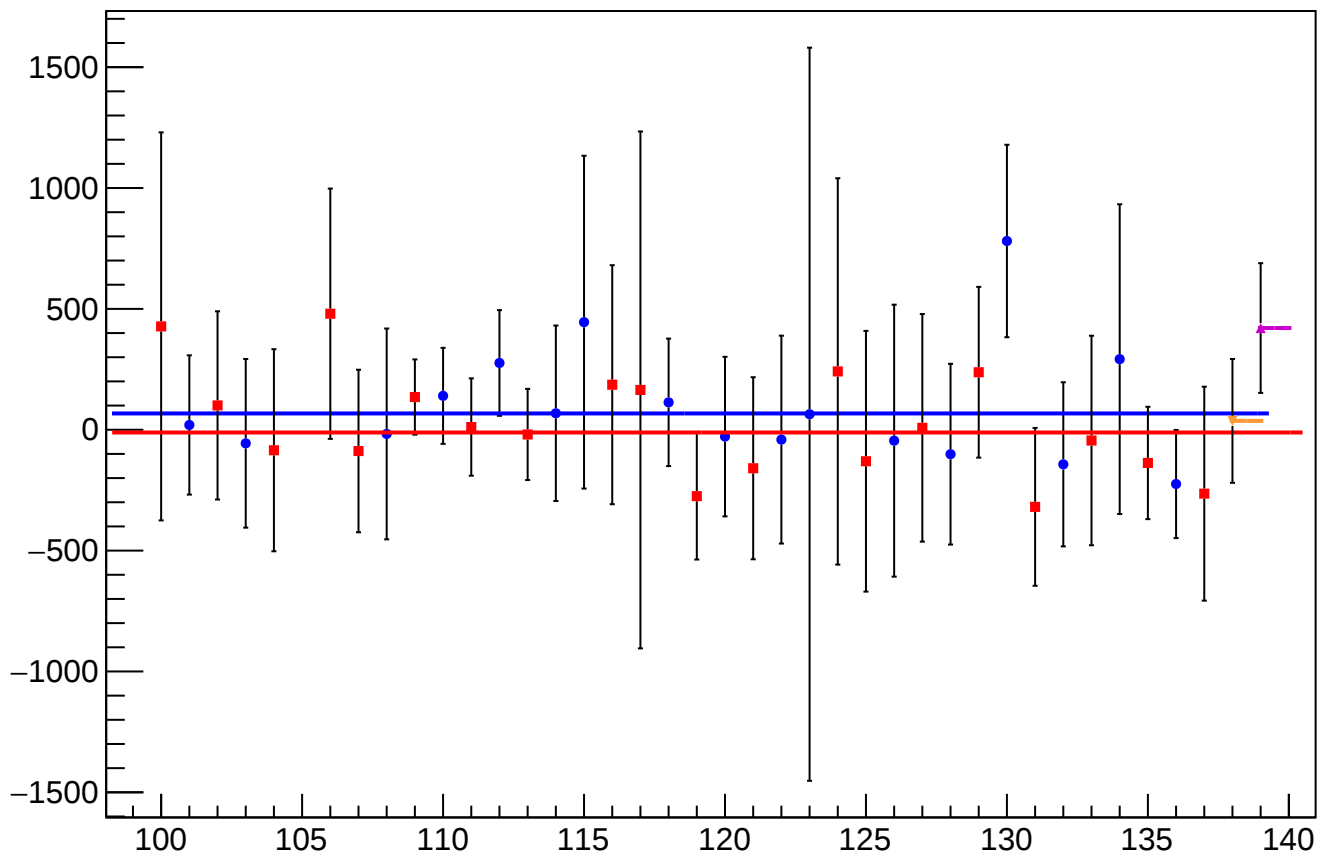
Left In: 23.224 $\pm$ 0.020 χ^2 /NDF: 0.0/0

22.953 $\pm$ 0.006 χ^2 /NDF: 12964.4/17

22.923 $\pm$ 0.004 χ^2 /NDF: 24371.0/38

22.895 $\pm$ 0.006 χ^2 /NDF: 11358.0/20

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.449+/-79.404 χ^2/NDF : 7.4/16

Left Out: 36.600+/-256.208 χ^2/NDF : 0.0/0

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

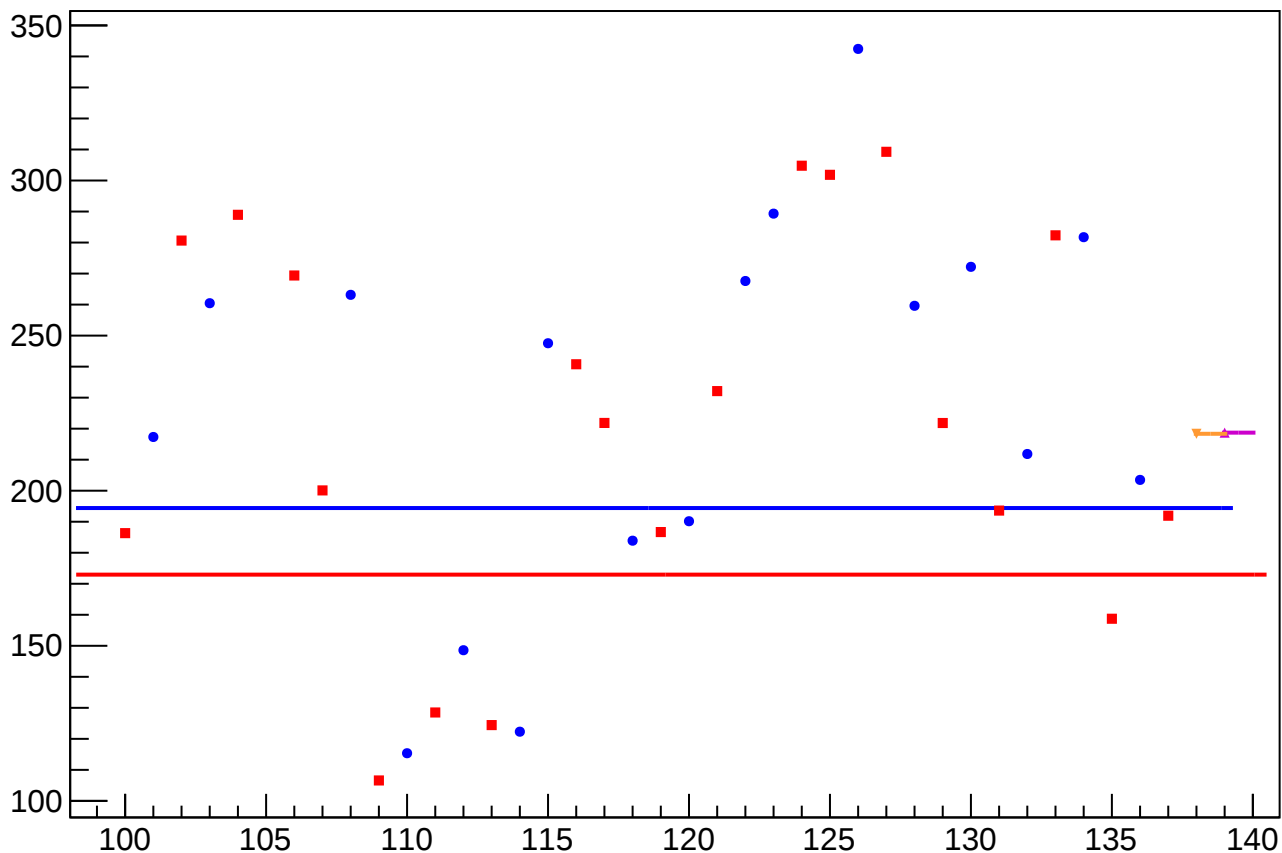
Left In: 420.757+/-268.307 χ^2/NDF : 0.0/0

64.745+/-75.845 χ^2/NDF : 7.4/17

37.877+/-50.596 χ^2/NDF : 15.8/38

16.332+/-67.917 χ^2/NDF : 8.2/20

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.411+/-0.056 χ^2/NDF : 1019913.2/16

Left Out: 218.347+/-0.181 χ^2/NDF : 0.0/0

Right Out: 172.942+/-0.050 χ^2/NDF : 1600959.1/19

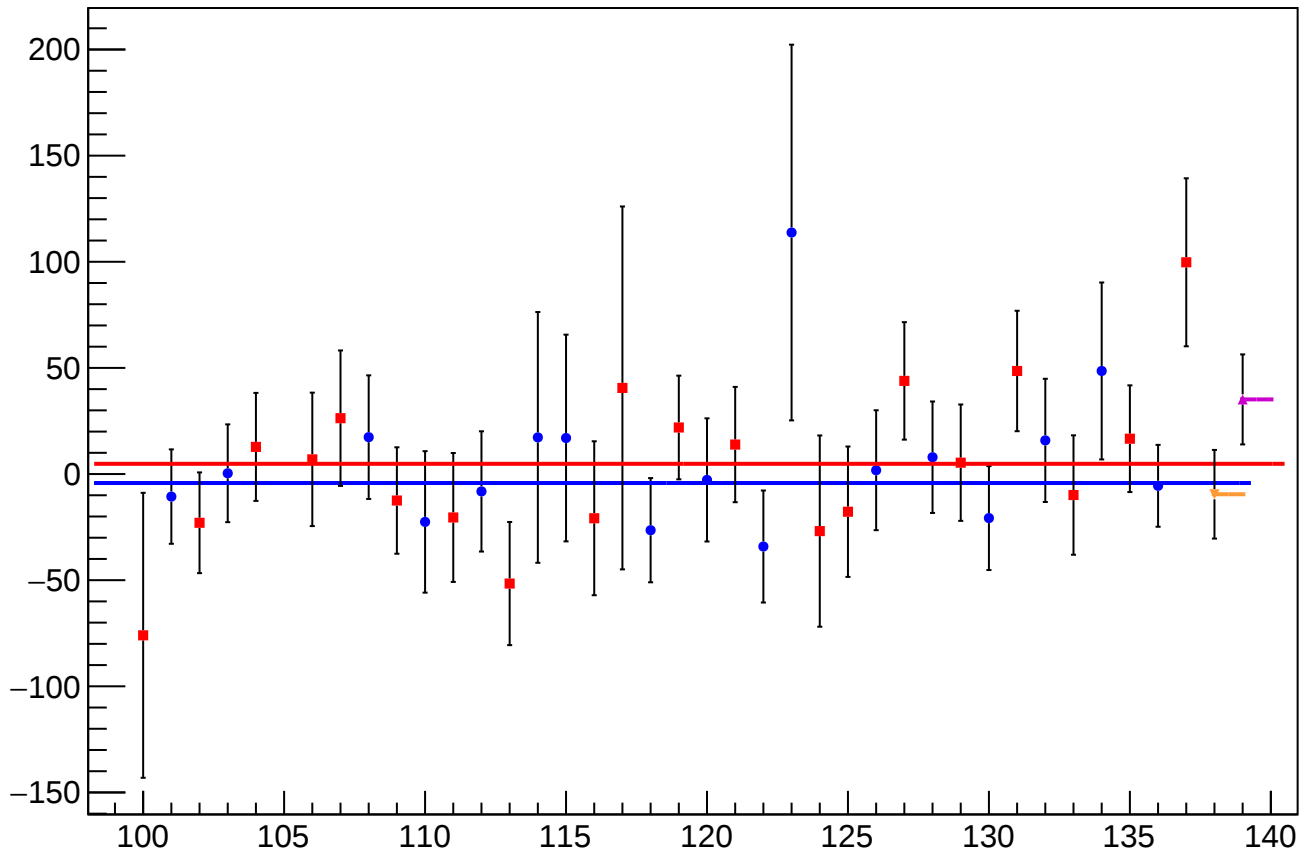
Left In: 218.716+/-0.190 χ^2/NDF : 0.0/0

196.508+/-0.054 χ^2/NDF : 1035840.4/17

185.057+/-0.036 χ^2/NDF : 2773427.7/38

175.875+/-0.048 χ^2/NDF : 1655441.4/20

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.223 $\pm$ 6.871 χ^2/NDF : 8.0/16

Left Out: -9.522 $\pm$ 20.883 χ^2/NDF : 0.0/0

Right Out: 4.820 $\pm$ 6.704 χ^2/NDF : 21.3/19

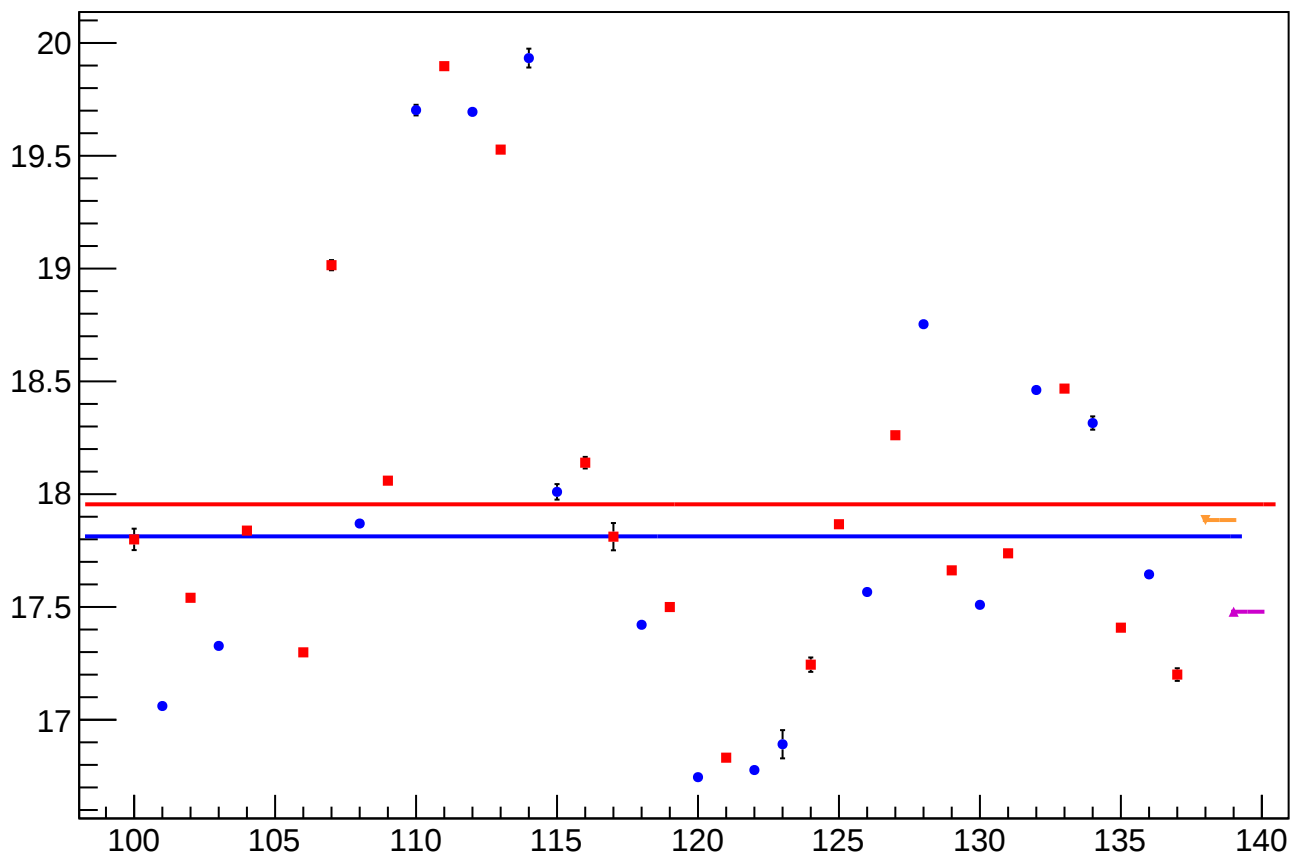
Left In: 35.158 $\pm$ 21.209 χ^2/NDF : 0.0/0

-4.741 $\pm$ 6.527 χ^2/NDF : 8.1/17

1.546 $\pm$ 4.567 χ^2/NDF : 33.0/38

7.576 $\pm$ 6.393 χ^2/NDF : 23.1/20

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.813 $\pm$ 0.005 χ^2 /NDF: 32034.8/16

Left Out: 17.885 $\pm$ 0.015 χ^2 /NDF: 0.0/0

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

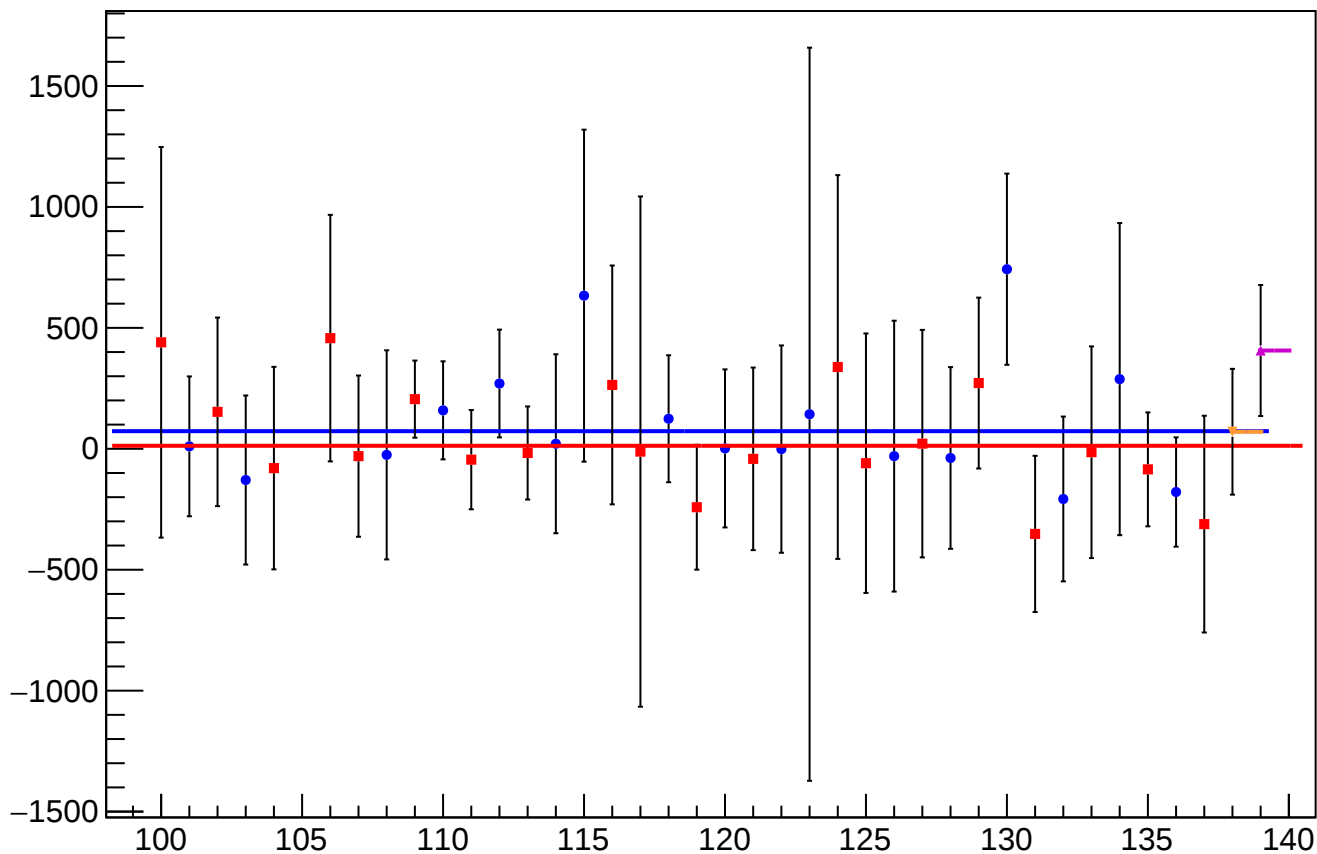
Left In: 17.479 $\pm$ 0.015 χ^2 /NDF: 0.0/0

17.820 $\pm$ 0.005 χ^2 /NDF: 32056.4/17

17.867 $\pm$ 0.003 χ^2 /NDF: 58625.5/38

17.912 $\pm$ 0.005 χ^2 /NDF: 26367.3/20

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: 70.524 $\pm$ 260.039 χ^2 /NDF: 0.0/0

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

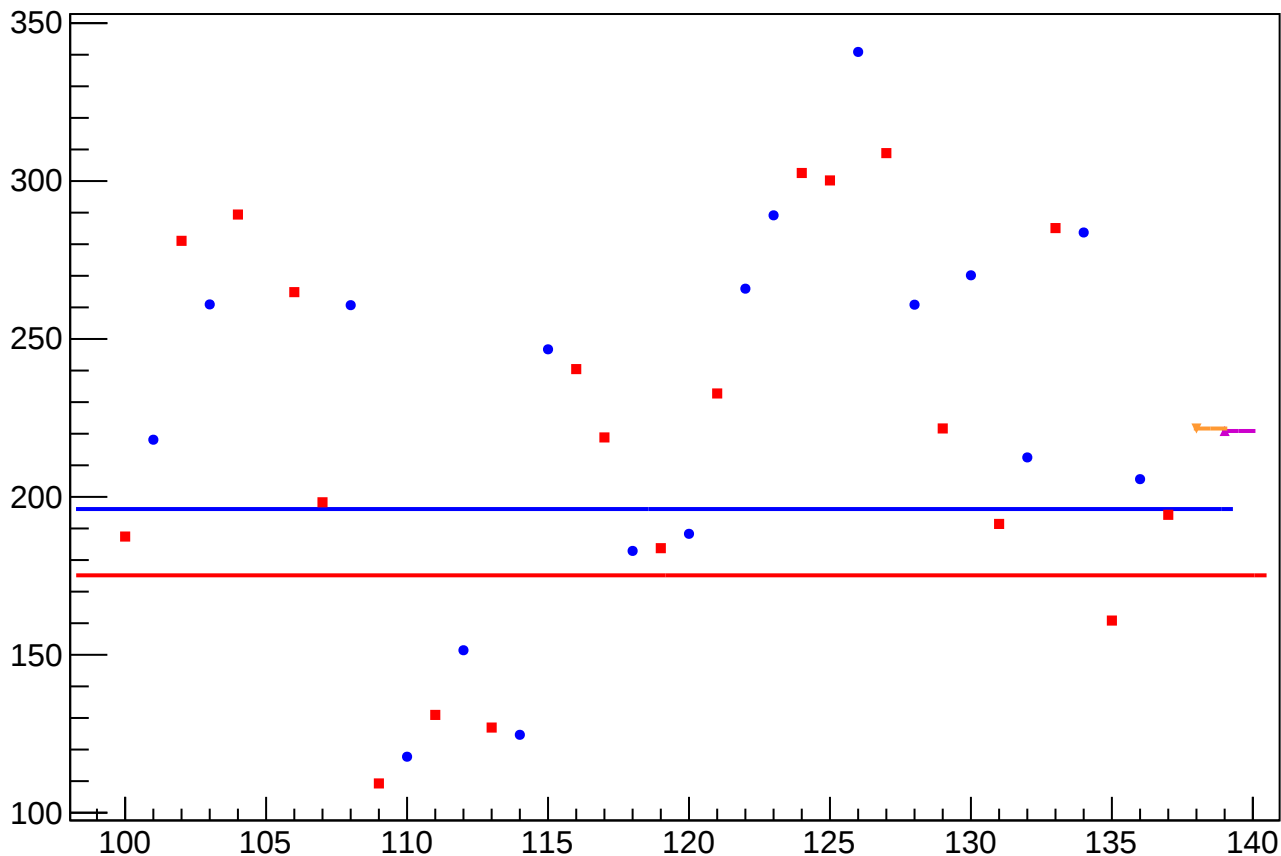
Left In: 406.310 $\pm$ 270.913 χ^2 /NDF: 0.0/0

72.684 $\pm$ 76.418 χ^2 /NDF: 7.2/17

53.282 $\pm$ 51.027 χ^2 /NDF: 16.1/38

37.671 $\pm$ 68.547 χ^2 /NDF: 8.7/20

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: 221.647 $\pm$ 0.184 χ^2 /NDF: 0.0/0

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

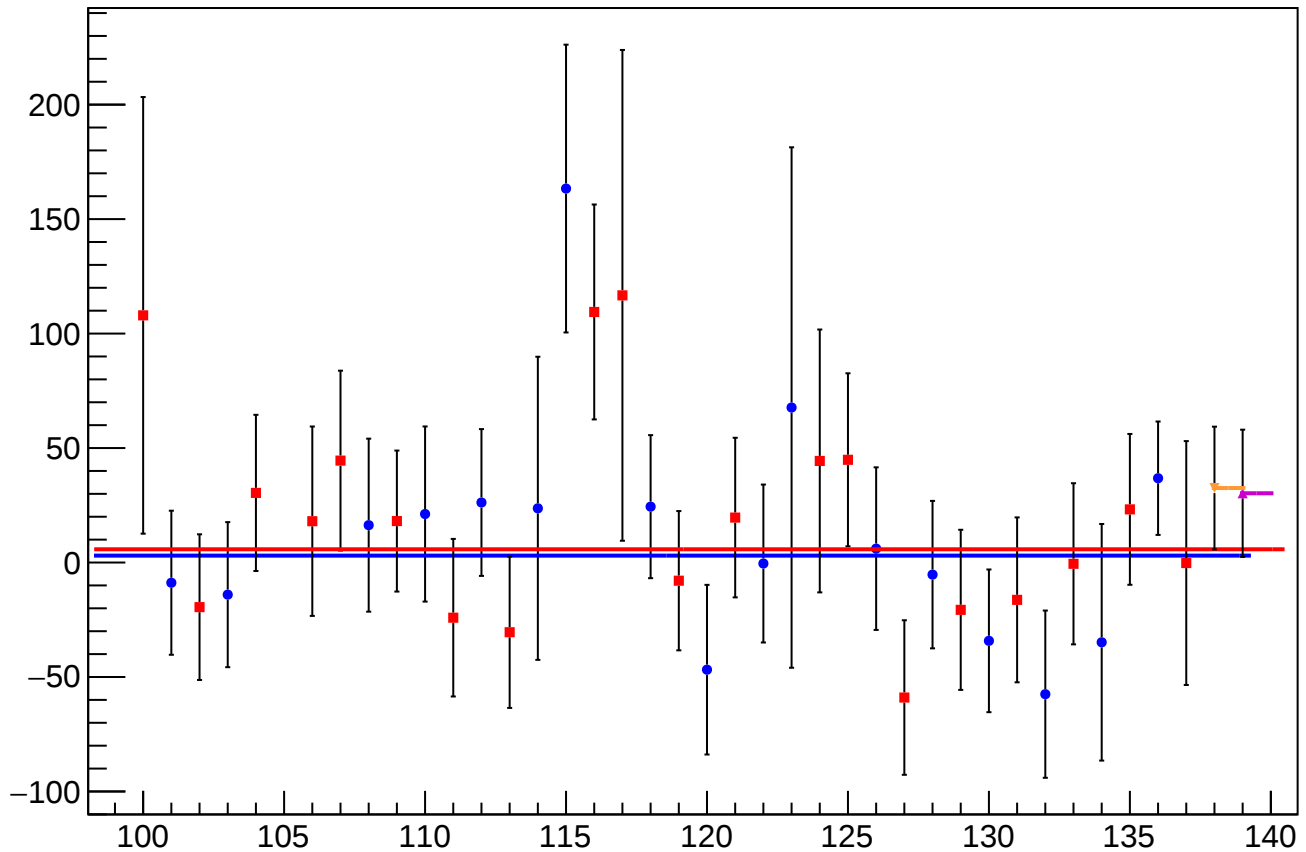
Left In: 220.868 $\pm$ 0.192 χ^2 /NDF: 0.0/0

198.353 $\pm$ 0.054 χ^2 /NDF: 982564.6/17

187.124 $\pm$ 0.036 χ^2 /NDF: 2628173.9/38

178.089 $\pm$ 0.048 χ^2 /NDF: 1567678.2/20

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: 32.537 ± 26.809 χ^2/NDF : 0.0/0

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

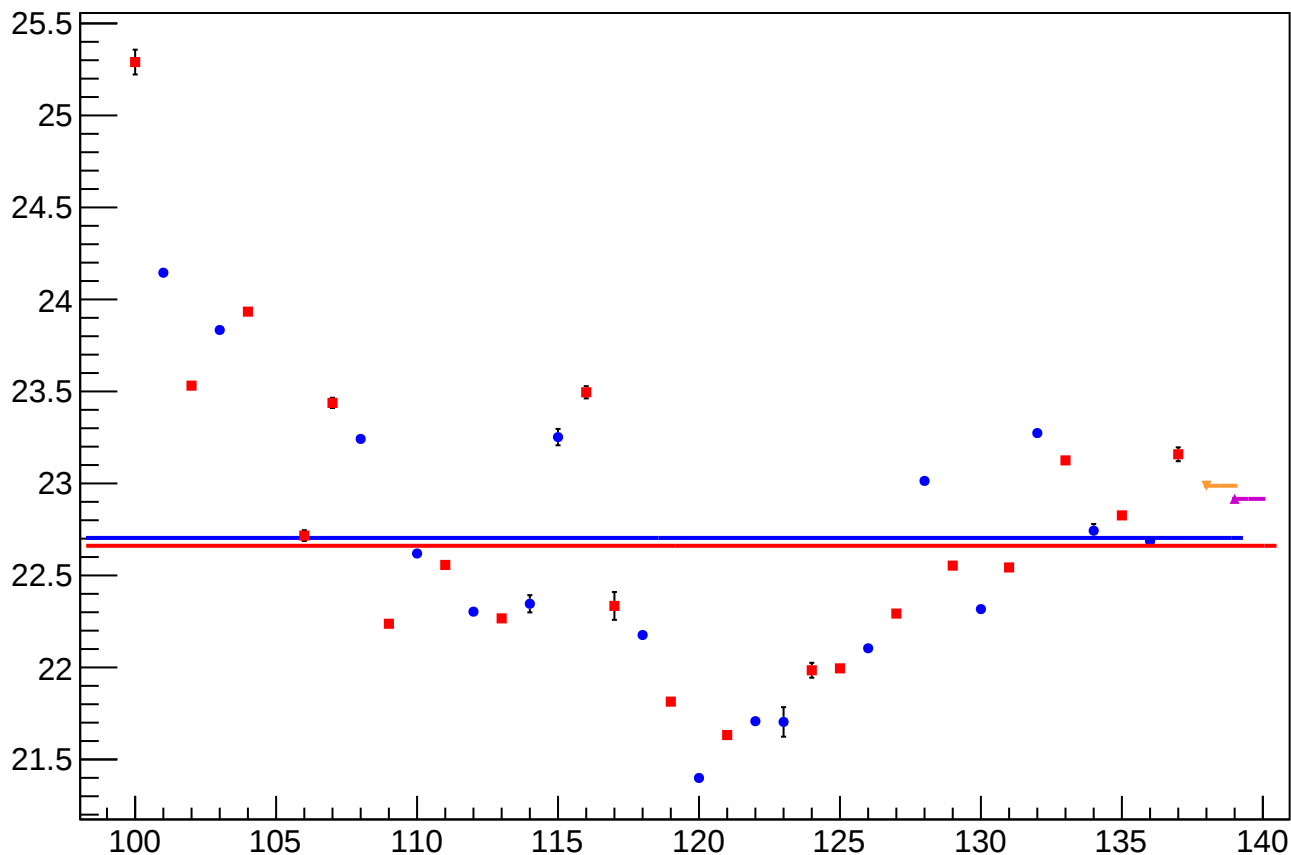
Left In: 30.252 ± 27.775 χ^2/NDF : 0.0/0

5.864 ± 8.319 χ^2/NDF : 18.3/17

6.890 ± 5.798 χ^2/NDF : 37.3/38

7.859 ± 8.085 χ^2/NDF : 19.0/20

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.704 $\pm$ 0.006 χ^2 /NDF: 14105.8/16

Left Out: 22.987 $\pm$ 0.019 χ^2 /NDF: 0.0/0

Right Out: 22.661 $\pm$ 0.006 χ^2 /NDF: 12962.1/19

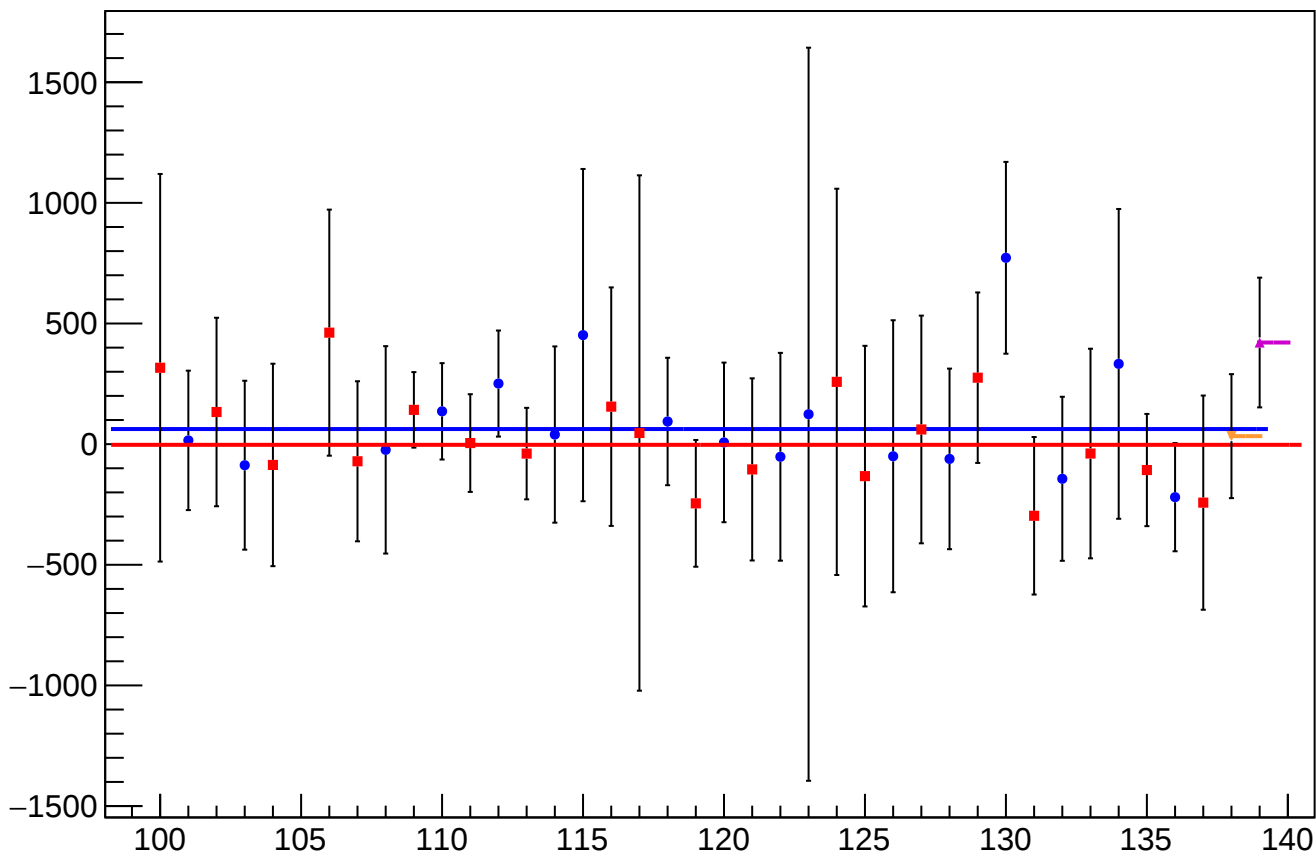
Left In: 22.916 $\pm$ 0.020 χ^2 /NDF: 0.0/0

22.731 $\pm$ 0.006 χ^2 /NDF: 14307.9/17

22.706 $\pm$ 0.004 χ^2 /NDF: 27459.2/38

22.683 $\pm$ 0.006 χ^2 /NDF: 13116.4/20

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: 33.155+/-256.900 χ^2/NDF : 0.0/0

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

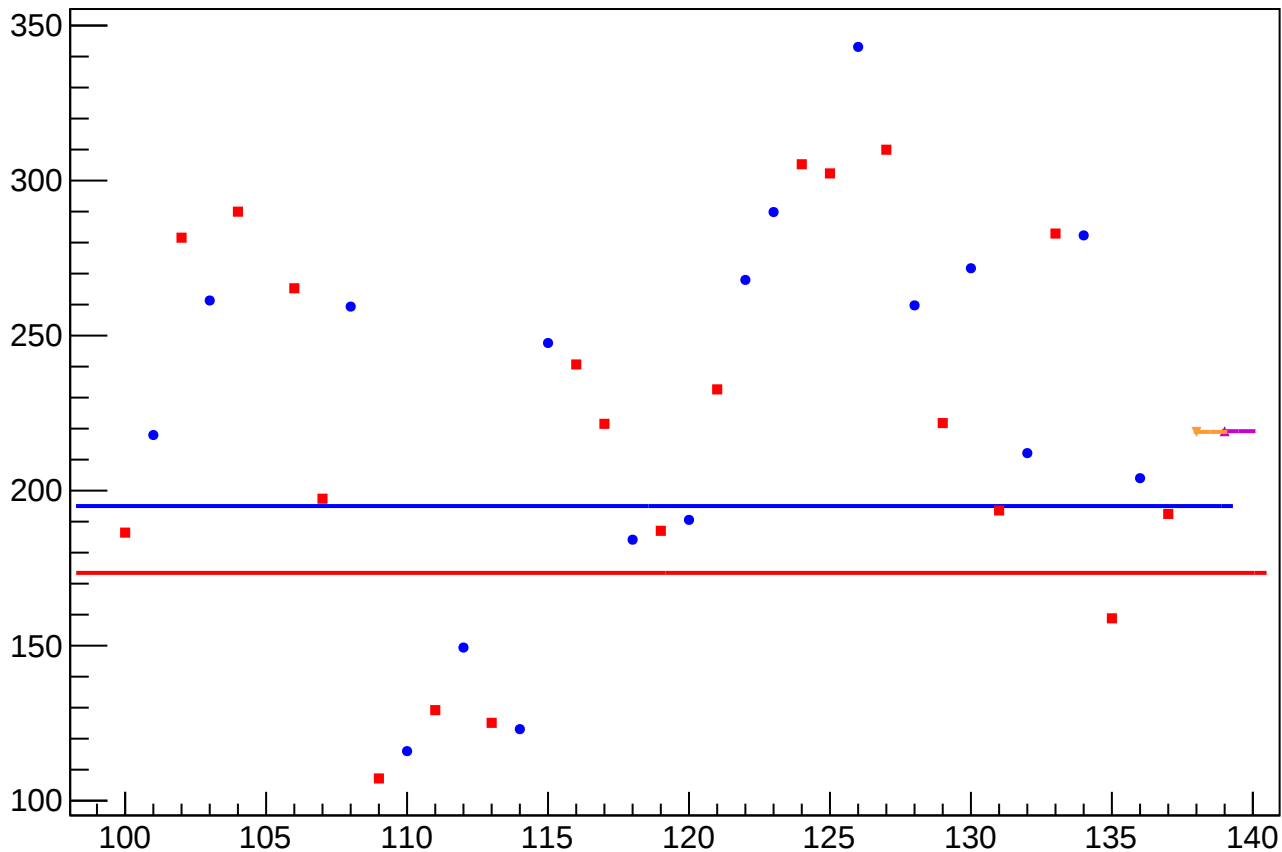
Left In: 421.217+/-268.870 χ^2/NDF : 0.0/0

59.996+/-76.038 χ^2/NDF : 7.0/17

40.212+/-50.717 χ^2/NDF : 14.7/38

24.356+/-68.072 χ^2/NDF : 7.6/20

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: 218.934 $\pm$ 0.182 χ^2 /NDF: 0.0/0

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

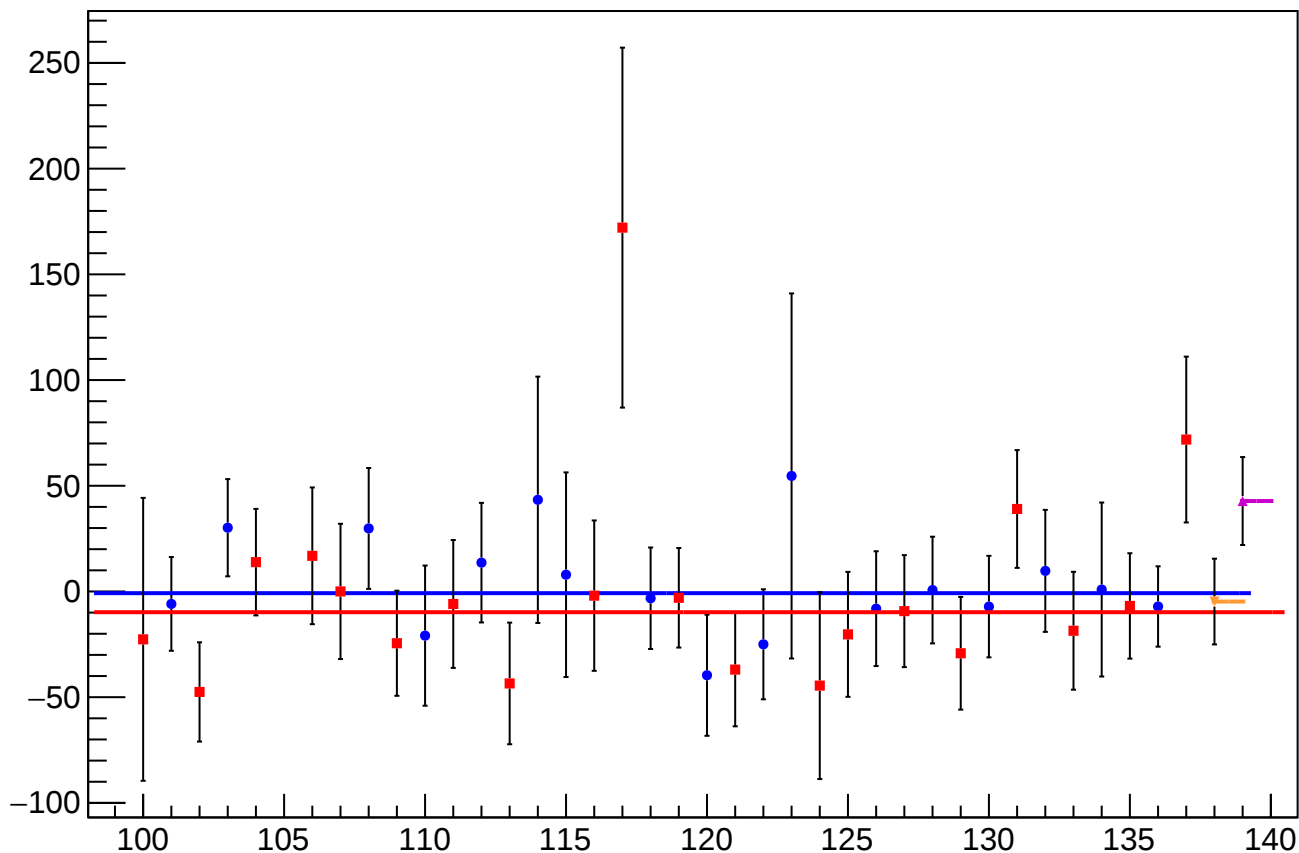
Left In: 219.176 $\pm$ 0.190 χ^2 /NDF: 0.0/0

197.117 $\pm$ 0.054 χ^2 /NDF: 1020094.8/17

185.617 $\pm$ 0.036 χ^2 /NDF: 2738860.3/38

176.401 $\pm$ 0.048 χ^2 /NDF: 1636360.6/20

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.801 ± 6.770 $\chi^2/\text{NDF}: 7.8/16$

Left Out: -4.770 ± 20.273 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -9.809 ± 6.606 $\chi^2/\text{NDF}: 20.5/19$

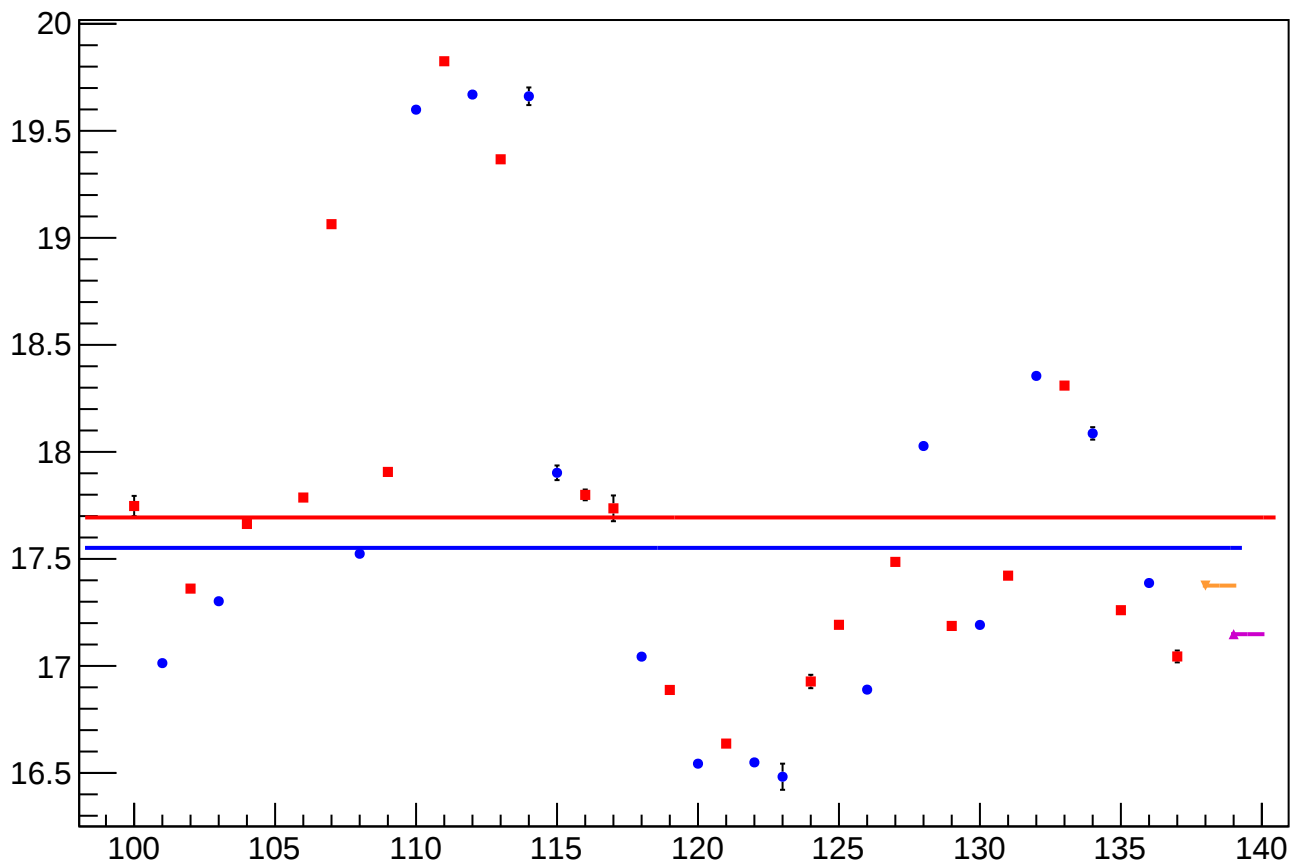
Left In: 42.780 ± 20.796 $\chi^2/\text{NDF}: 0.0/0$

-1.199 ± 6.421 $\chi^2/\text{NDF}: 7.8/17$

-3.131 ± 4.496 $\chi^2/\text{NDF}: 34.3/38$

-4.989 ± 6.296 $\chi^2/\text{NDF}: 26.3/20$

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: 17.375 $\pm$ 0.014 χ^2 /NDF: 0.0/0

Right Out: 17.694 $\pm$ 0.005 χ^2 /NDF: 30742.5/19

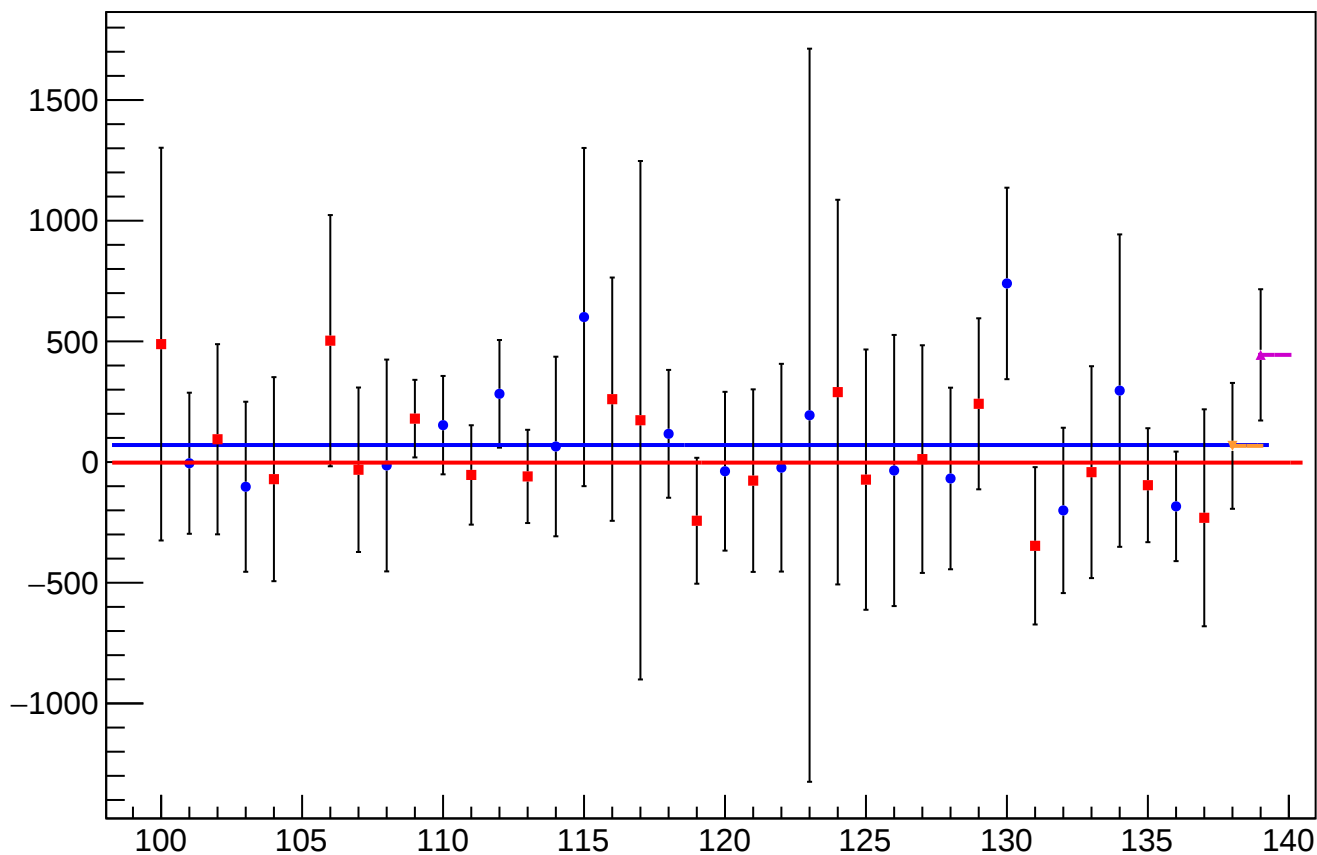
Left In: 17.148 $\pm$ 0.015 χ^2 /NDF: 0.0/0

17.534 $\pm$ 0.005 χ^2 /NDF: 34163.0/17

17.590 $\pm$ 0.003 χ^2 /NDF: 66452.7/38

17.644 $\pm$ 0.004 χ^2 /NDF: 31991.5/20

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: 67.117+/-260.804 χ^2/NDF : 0.0/0

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

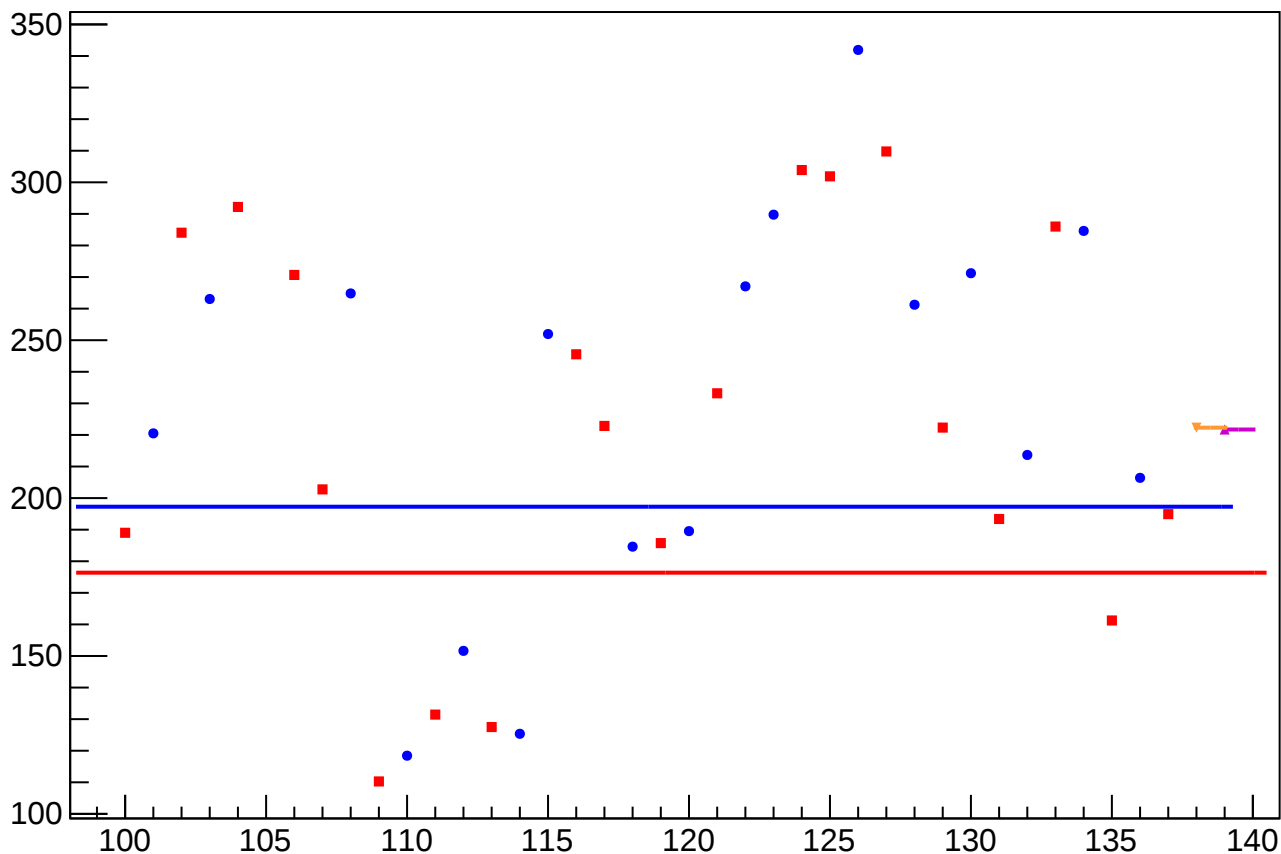
Left In: 444.157+/-271.953 χ^2/NDF : 0.0/0

70.329+/-76.840 χ^2/NDF : 7.2/17

46.051+/-51.345 χ^2/NDF : 16.1/38

26.466+/-69.014 χ^2/NDF : 8.7/20

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: 222.306 $\pm$ 0.184 χ^2 /NDF: 0.0/0

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

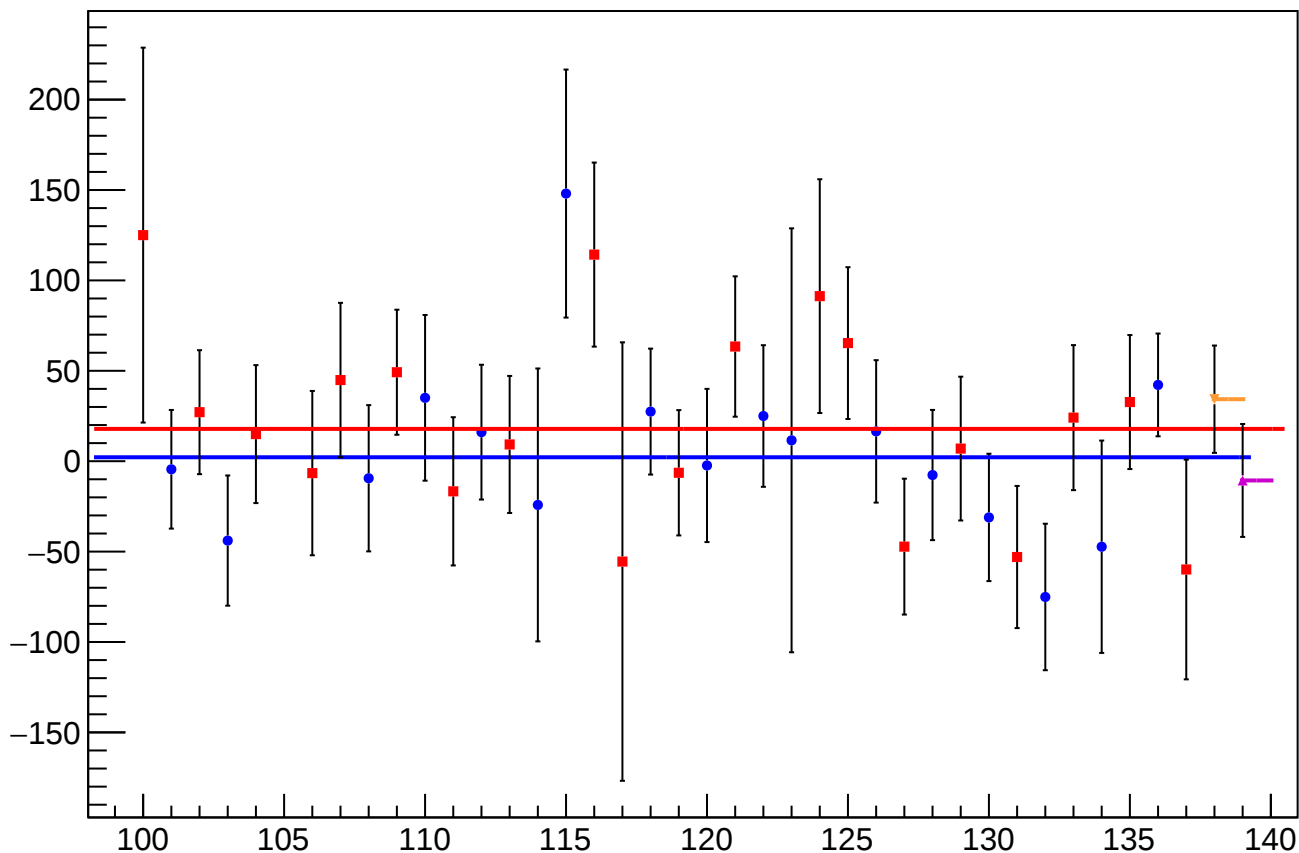
Left In: 221.716 $\pm$ 0.192 χ^2 /NDF: 0.0/0

199.444 $\pm$ 0.054 χ^2 /NDF: 986378.5/17

188.298 $\pm$ 0.036 χ^2 /NDF: 2637872.5/38

179.306 $\pm$ 0.049 χ^2 /NDF: 1575455.5/20

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.178 ± 9.825 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 34.293 ± 29.678 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 17.869 ± 9.468 $\chi^2/\text{NDF}: 20.0/19$

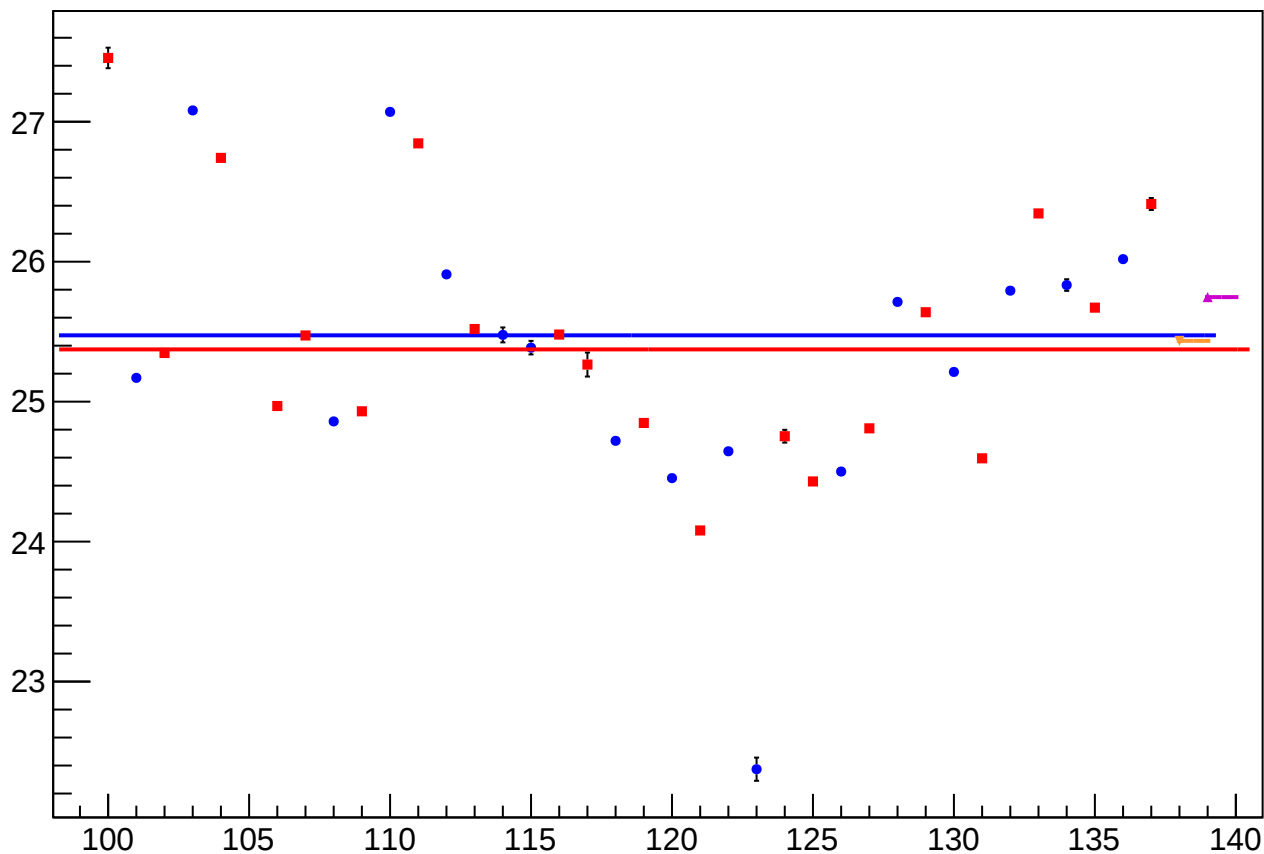
Left In: -10.651 ± 31.228 $\chi^2/\text{NDF}: 0.0/0$

5.350 ± 9.327 $\chi^2/\text{NDF}: 16.4/17$

10.556 ± 6.499 $\chi^2/\text{NDF}: 37.8/38$

15.468 ± 9.061 $\chi^2/\text{NDF}: 20.7/20$

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: 25.434 $\pm$ 0.021 χ^2 /NDF: 0.0/0

Right Out: 25.373 $\pm$ 0.007 χ^2 /NDF: 13582.8/19

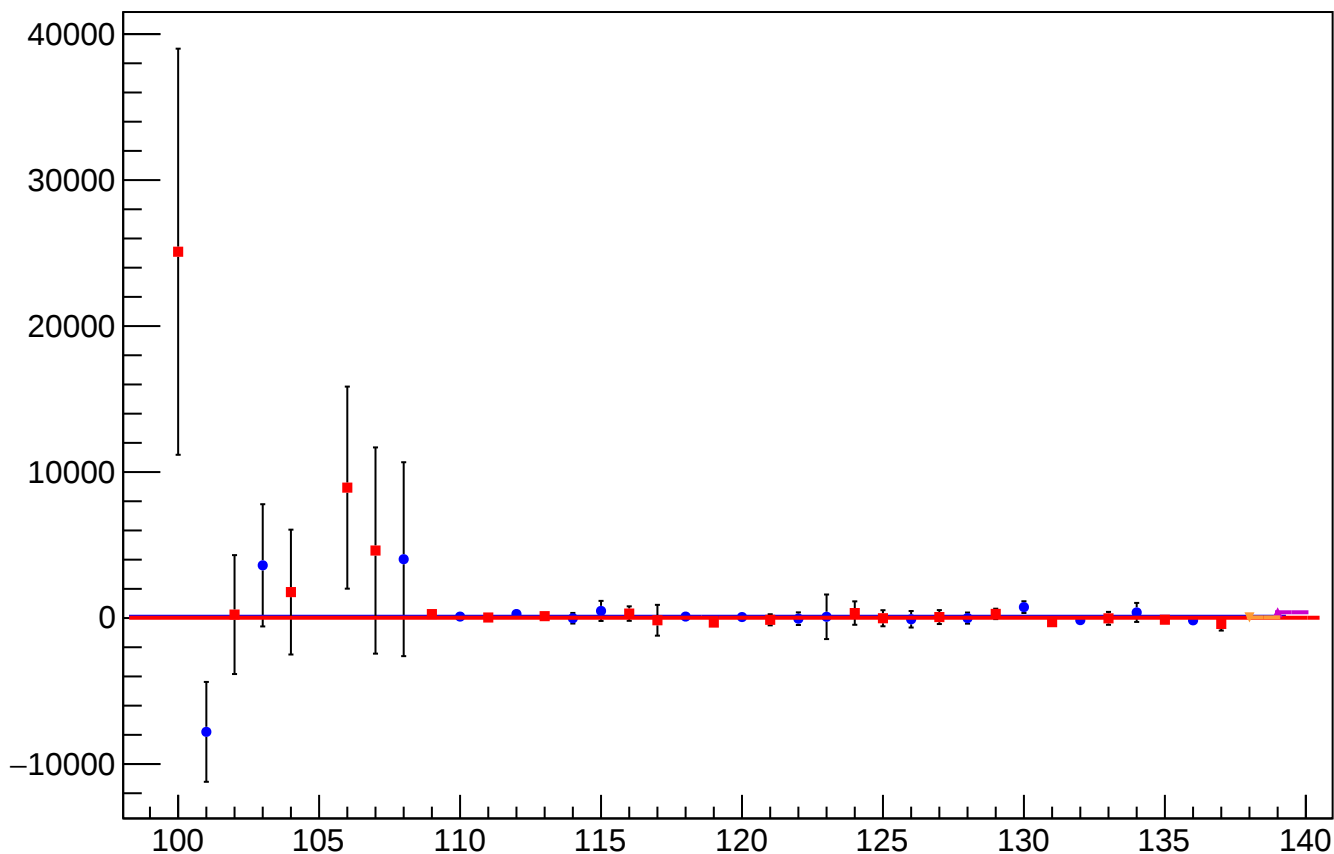
Left In: 25.747 $\pm$ 0.022 χ^2 /NDF: 0.0/0

25.470 $\pm$ 0.007 χ^2 /NDF: 14064.4/17

25.436 $\pm$ 0.005 χ^2 /NDF: 27959.7/38

25.405 $\pm$ 0.006 χ^2 /NDF: 13845.0/20

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: 46.356+/-256.563 χ^2/NDF : 0.0/0

Right Out: 21.600+/-80.665 χ^2/NDF : 11.9/19

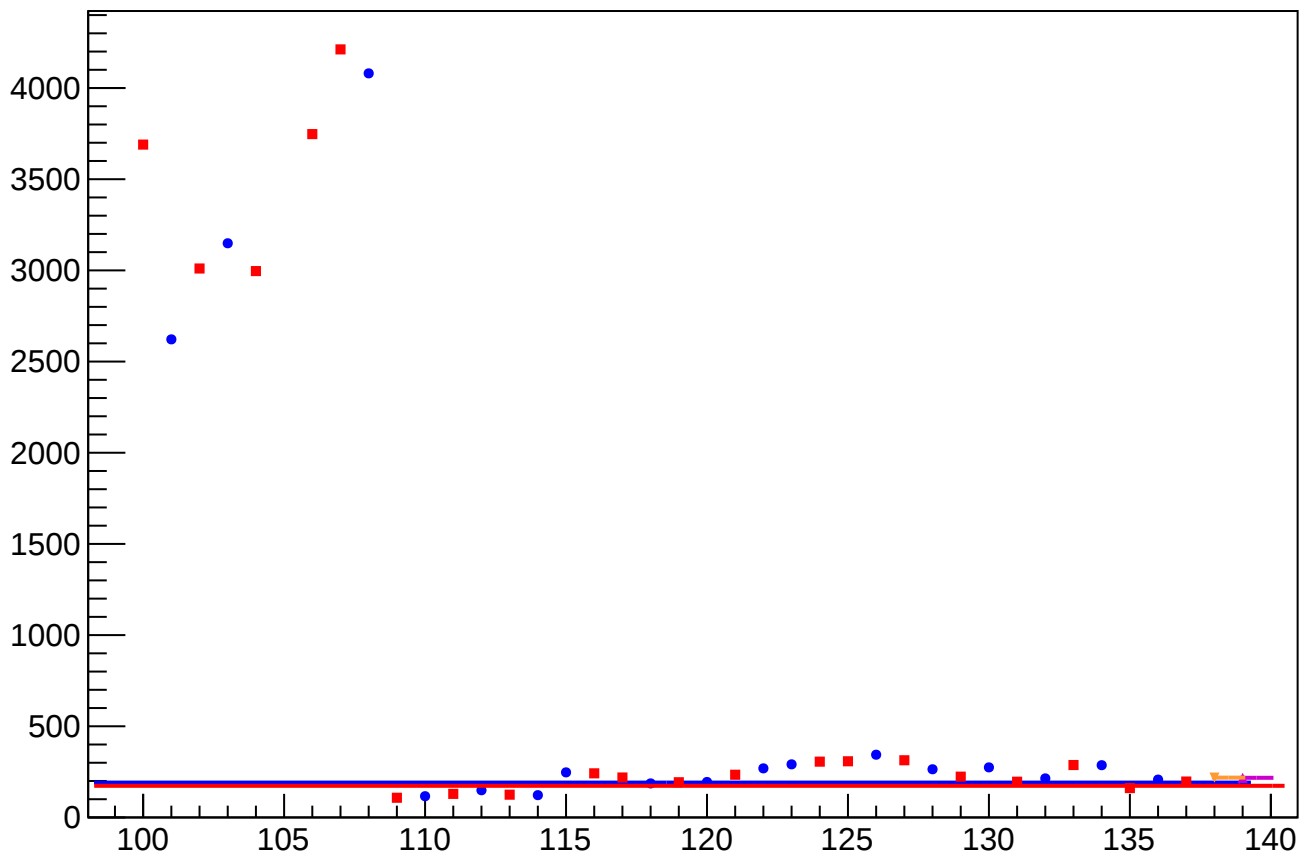
Left In: 395.002+/-266.904 χ^2/NDF : 0.0/0

85.099+/-82.927 χ^2/NDF : 12.3/17

67.827+/-56.511 χ^2/NDF : 26.1/38

52.852+/-77.216 χ^2/NDF : 13.7/20

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: 218.471+/-0.181 χ^2/NDF : 0.0/0

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

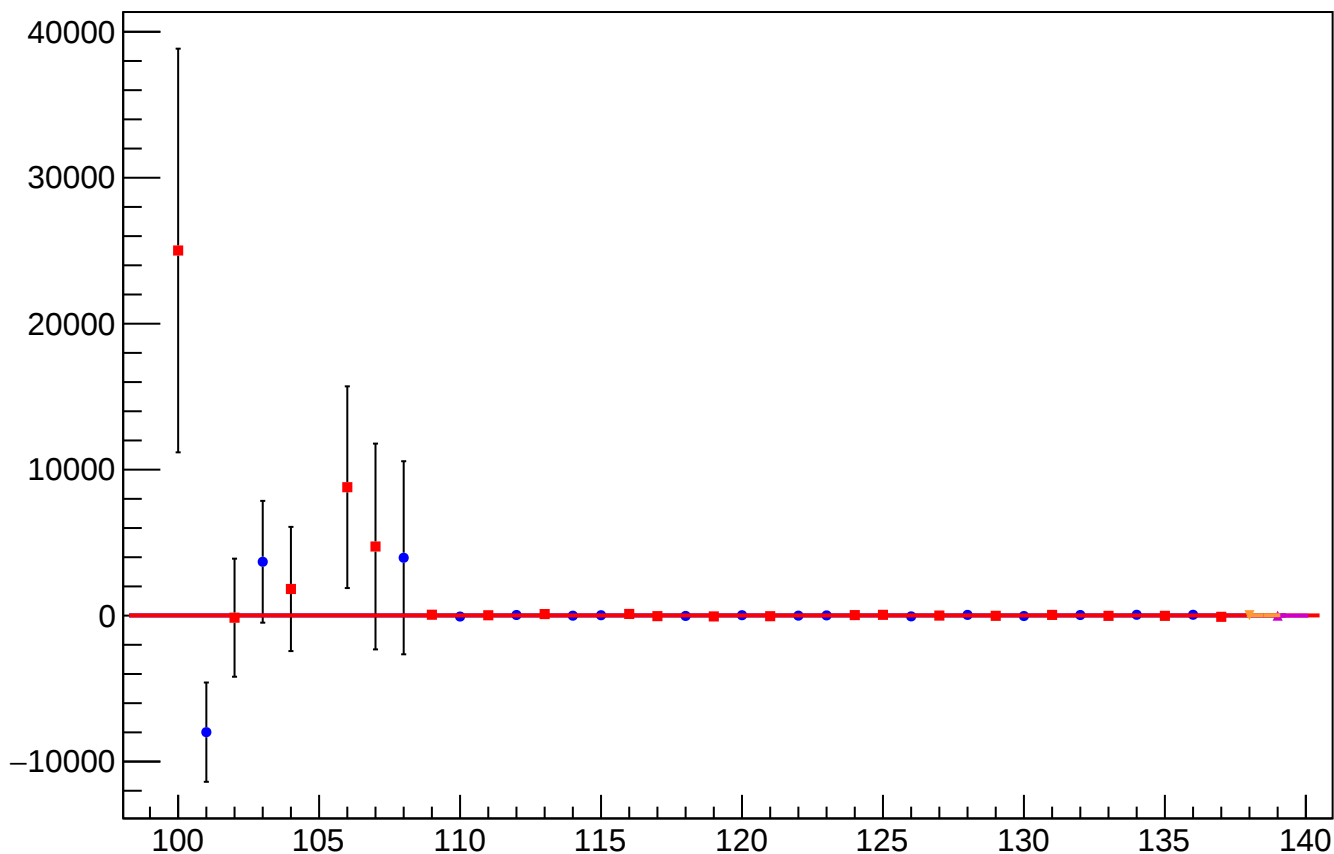
Left In: 217.467+/-0.189 χ^2/NDF : 0.0/0

194.040+/-0.059 χ^2/NDF : 3591998.3/17

185.027+/-0.040 χ^2/NDF : 7896684.8/38

177.213+/-0.055 χ^2/NDF : 4260580.0/20

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: 27.258+/-33.777 χ^2/NDF : 0.0/0

Right Out: 12.573+/-12.182 χ^2/NDF : 24.5/19

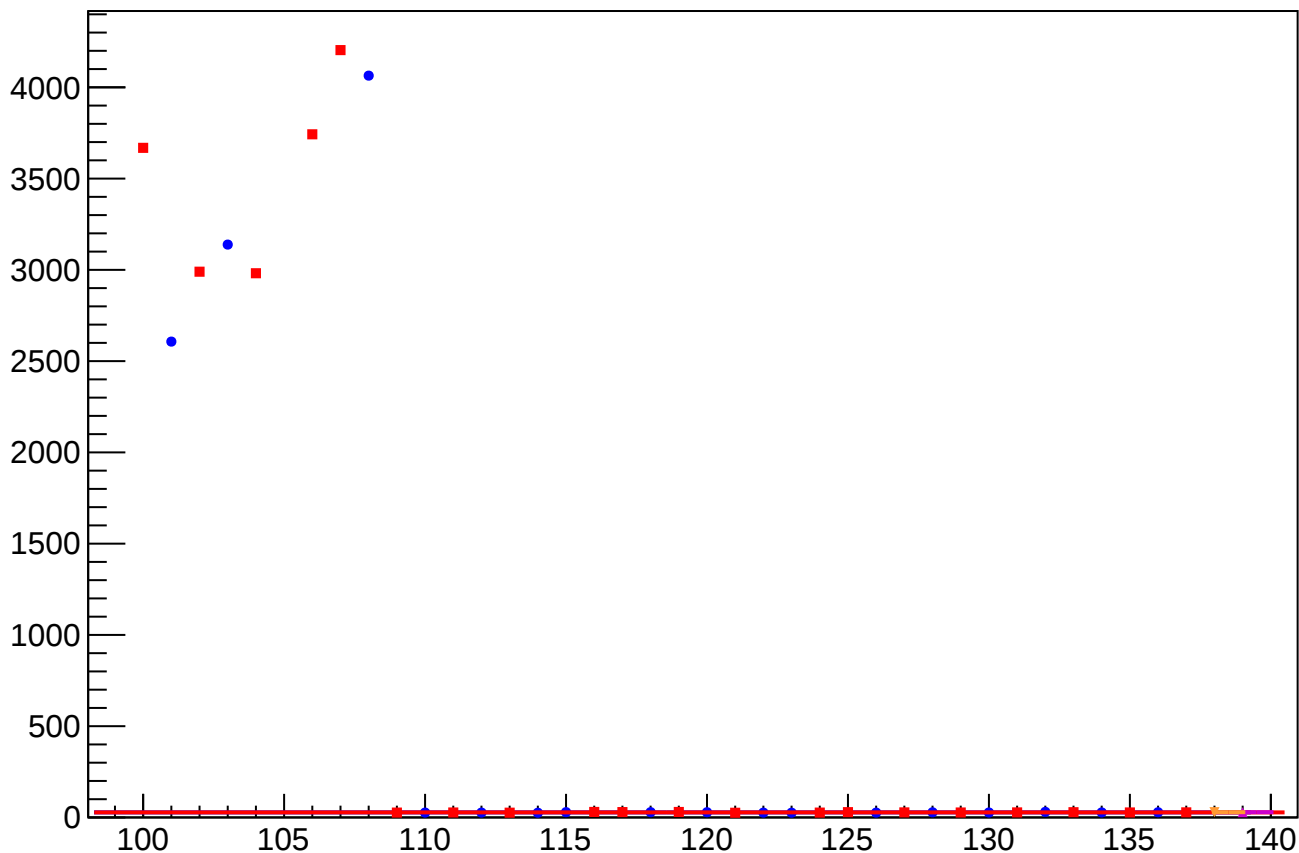
Left In: -3.680+/-35.081 χ^2/NDF : 0.0/0

12.341+/-11.466 χ^2/NDF : 18.5/17

11.586+/-8.122 χ^2/NDF : 43.2/38

10.825+/-11.508 χ^2/NDF : 24.7/20

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: 28.925 $\pm$ 0.024 χ^2 /NDF: 0.0/0

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

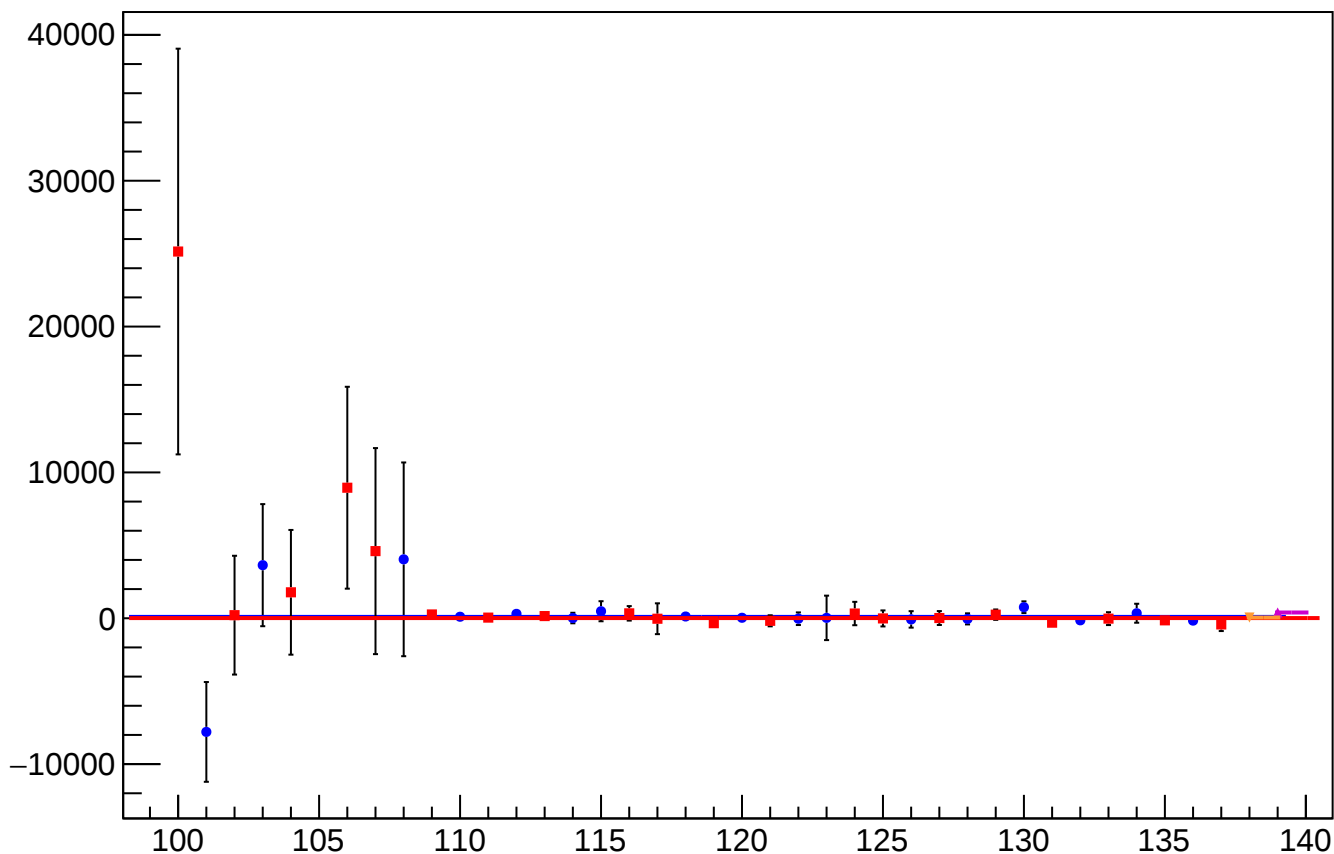
Left In: 28.858 $\pm$ 0.025 χ^2 /NDF: 0.0/0

27.962 $\pm$ 0.008 χ^2 /NDF: 3028723.9/17

27.896 $\pm$ 0.006 χ^2 /NDF: 6507859.5/38

27.830 $\pm$ 0.008 χ^2 /NDF: 3479004.5/20

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: 50.837+/-255.877 χ^2/NDF : 0.0/0

Right Out: 12.509+/-80.407 χ^2/NDF : 12.7/19

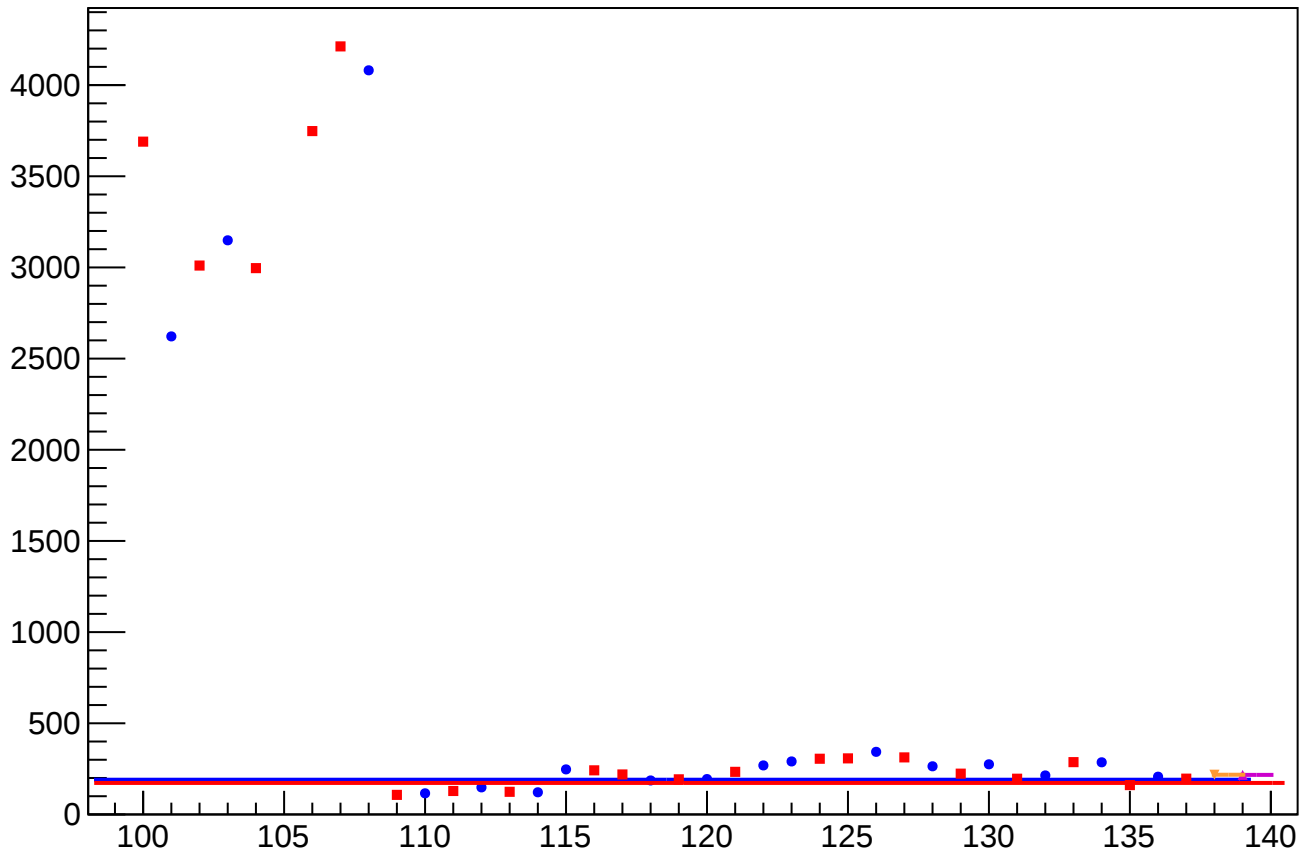
Left In: 394.930+/-266.349 χ^2/NDF : 0.0/0

88.455+/-82.673 χ^2/NDF : 12.6/17

64.884+/-56.337 χ^2/NDF : 27.3/38

44.450+/-76.975 χ^2/NDF : 14.5/20

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: 217.891+/-0.181 χ^2/NDF : 0.0/0

Right Out: 172.872+/-0.057 χ^2/NDF : 4222275.2/19

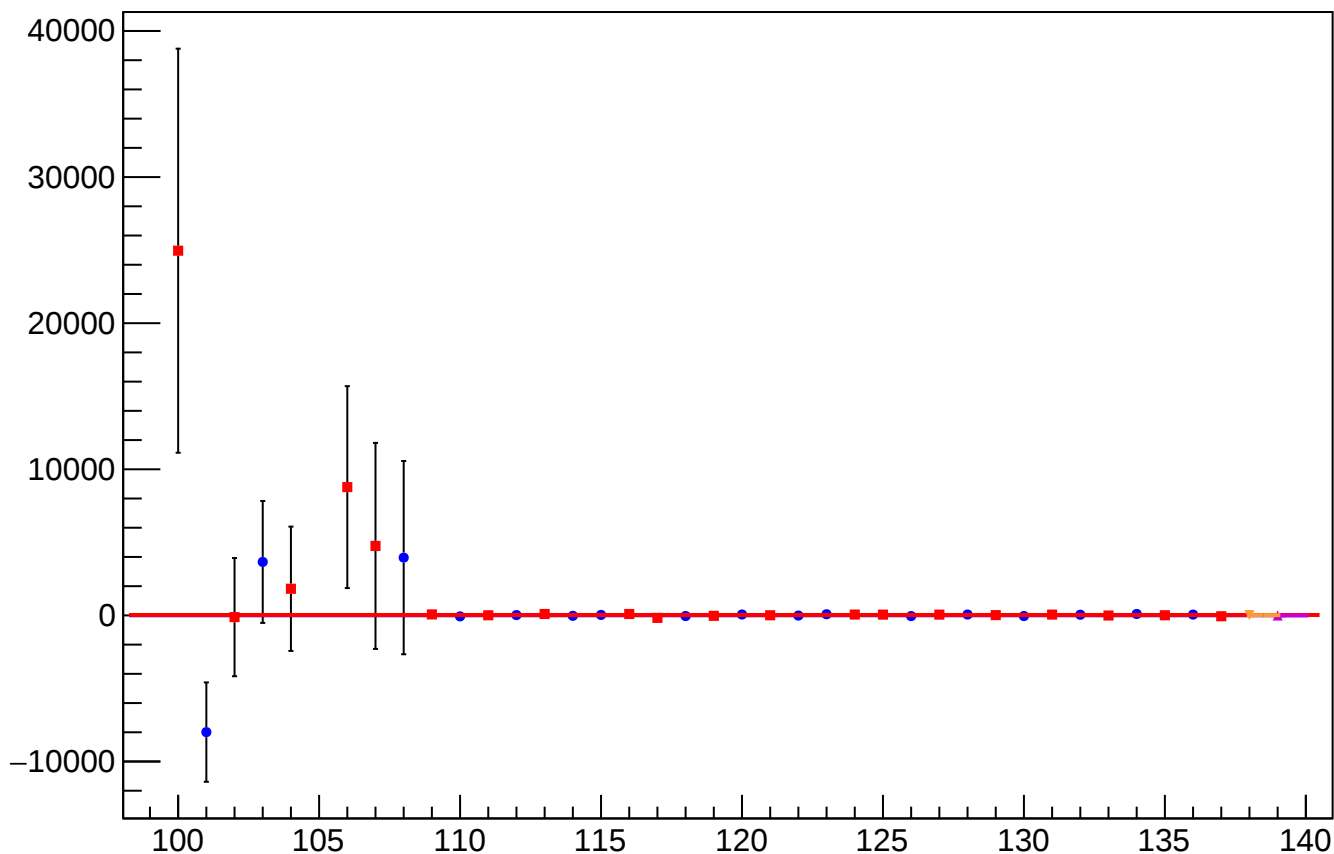
Left In: 217.014+/-0.188 χ^2/NDF : 0.0/0

193.346+/-0.058 χ^2/NDF : 3604120.6/17

184.354+/-0.040 χ^2/NDF : 7920912.1/38

176.559+/-0.054 χ^2/NDF : 4272619.8/20

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.600 $\pm$ 12.273 χ^2 /NDF: 23.2/16

Left Out: 19.828 $\pm$ 34.159 χ^2 /NDF: 0.0/0

Right Out: 28.128 $\pm$ 12.282 χ^2 /NDF: 18.5/19

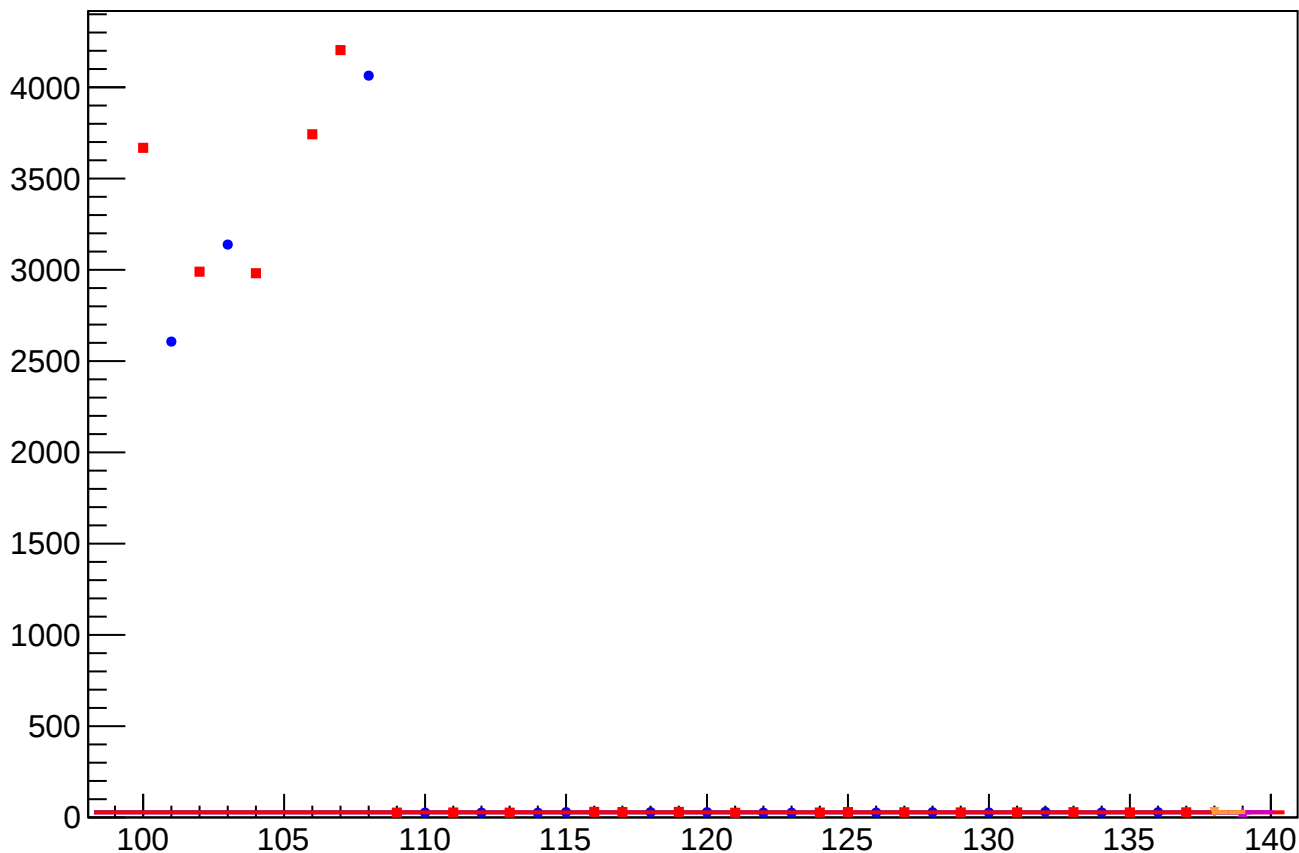
Left In: -7.893 $\pm$ 35.270 χ^2 /NDF: 0.0/0

10.770 $\pm$ 11.550 χ^2 /NDF: 23.3/17

17.473 $\pm$ 8.184 χ^2 /NDF: 43.4/38

24.233 $\pm$ 11.599 χ^2 /NDF: 19.4/20

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: 29.249+/-0.024 χ^2/NDF : 0.0/0

Right Out: 27.929+/-0.009 χ^2/NDF : 3479867.7/19

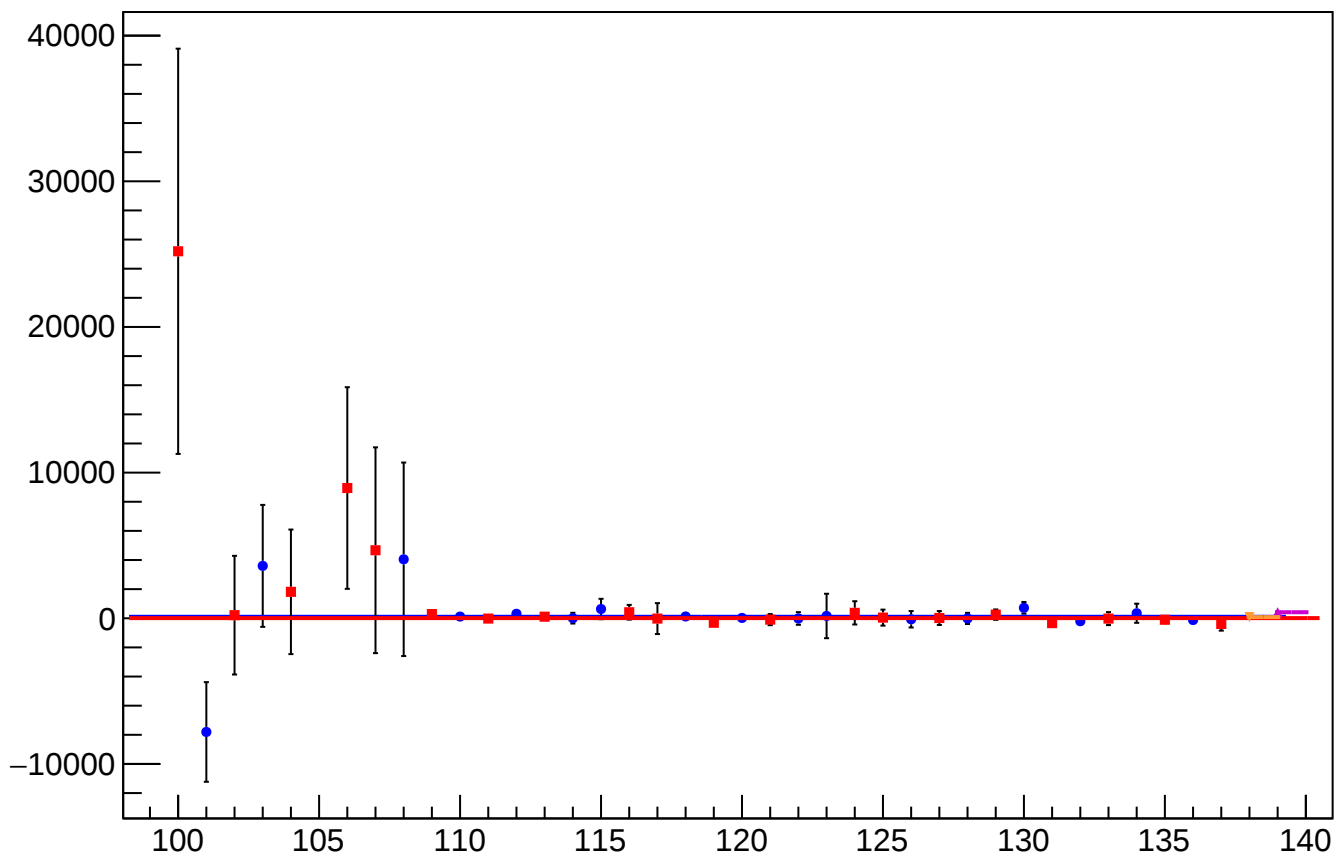
Left In: 29.014+/-0.025 χ^2/NDF : 0.0/0

28.163+/-0.008 χ^2/NDF : 3029283.5/17

28.105+/-0.006 χ^2/NDF : 6510941.1/38

28.046+/-0.008 χ^2/NDF : 3481556.2/20

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: 80.021 $\pm$ 260.293 χ^2 /NDF: 0.0/0

Right Out: 11.037 $\pm$ 81.486 χ^2 /NDF: 12.3/19

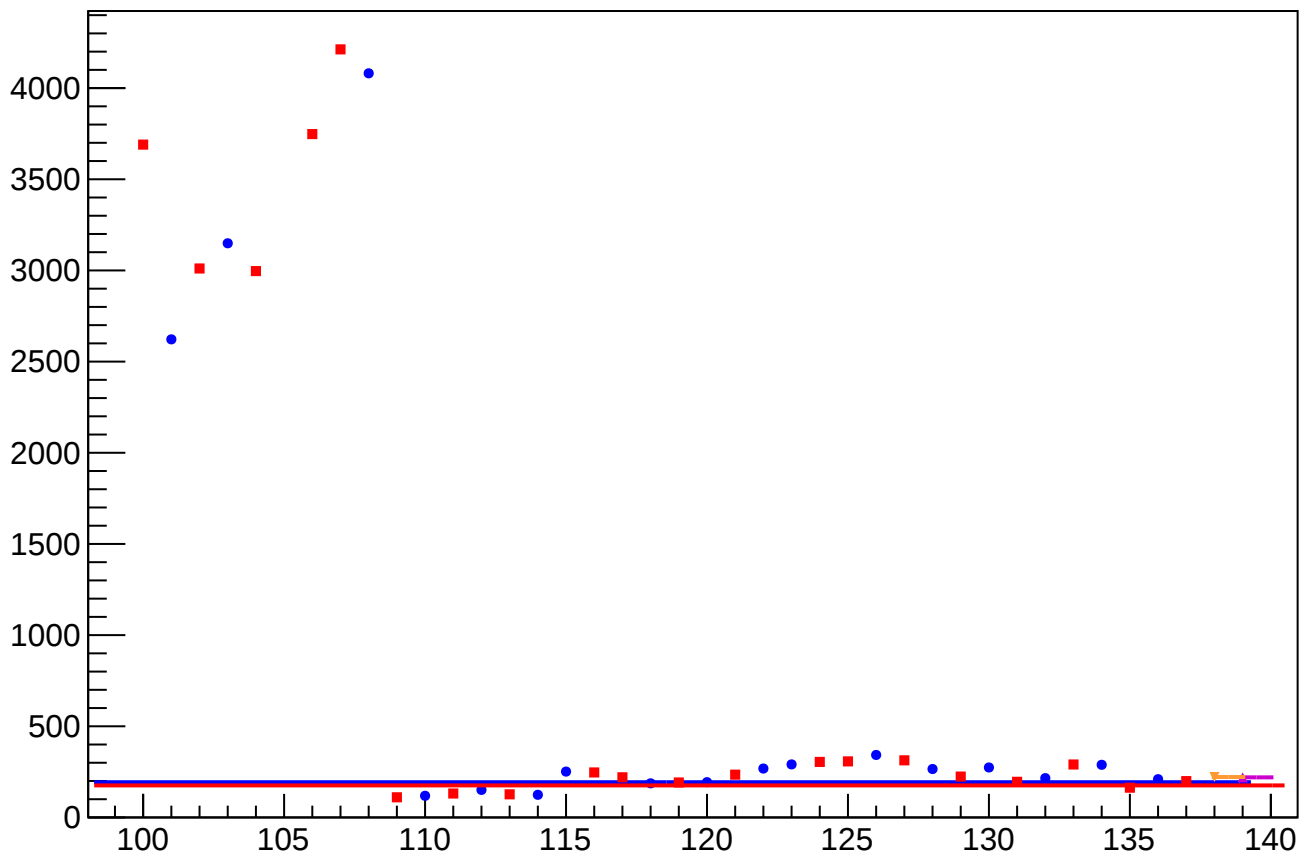
Left In: 415.534 $\pm$ 269.895 χ^2 /NDF: 0.0/0

99.523 $\pm$ 83.696 χ^2 /NDF: 12.4/17

70.254 $\pm$ 57.065 χ^2 /NDF: 26.9/38

44.828 $\pm$ 78.008 χ^2 /NDF: 14.3/20

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.190+/-0.063 χ^2/NDF : 3536123.5/16

Left Out: 221.686+/-0.184 χ^2/NDF : 0.0/0

Right Out: 175.749+/-0.058 χ^2/NDF : 4168935.2/19

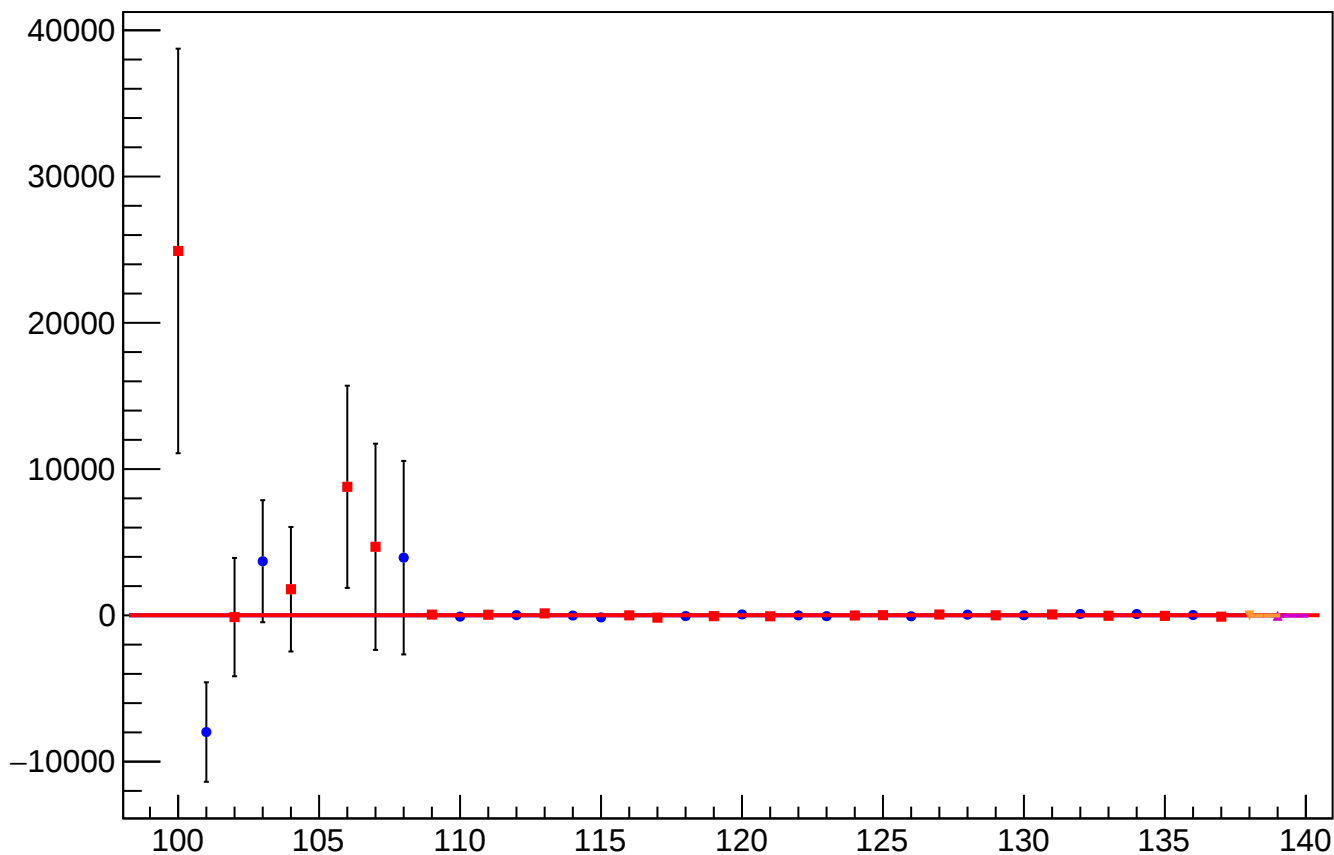
Left In: 219.928+/-0.191 χ^2/NDF : 0.0/0

196.136+/-0.059 χ^2/NDF : 3557614.9/17

187.202+/-0.040 χ^2/NDF : 7818252.0/38

179.440+/-0.055 χ^2/NDF : 4218046.8/20

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.651 $\pm$ 14.935 χ^2 /NDF: 20.4/16

Left Out: -8.004 $\pm$ 41.008 χ^2 /NDF: 0.0/0

Right Out: 11.101 $\pm$ 14.886 χ^2 /NDF: 22.7/19

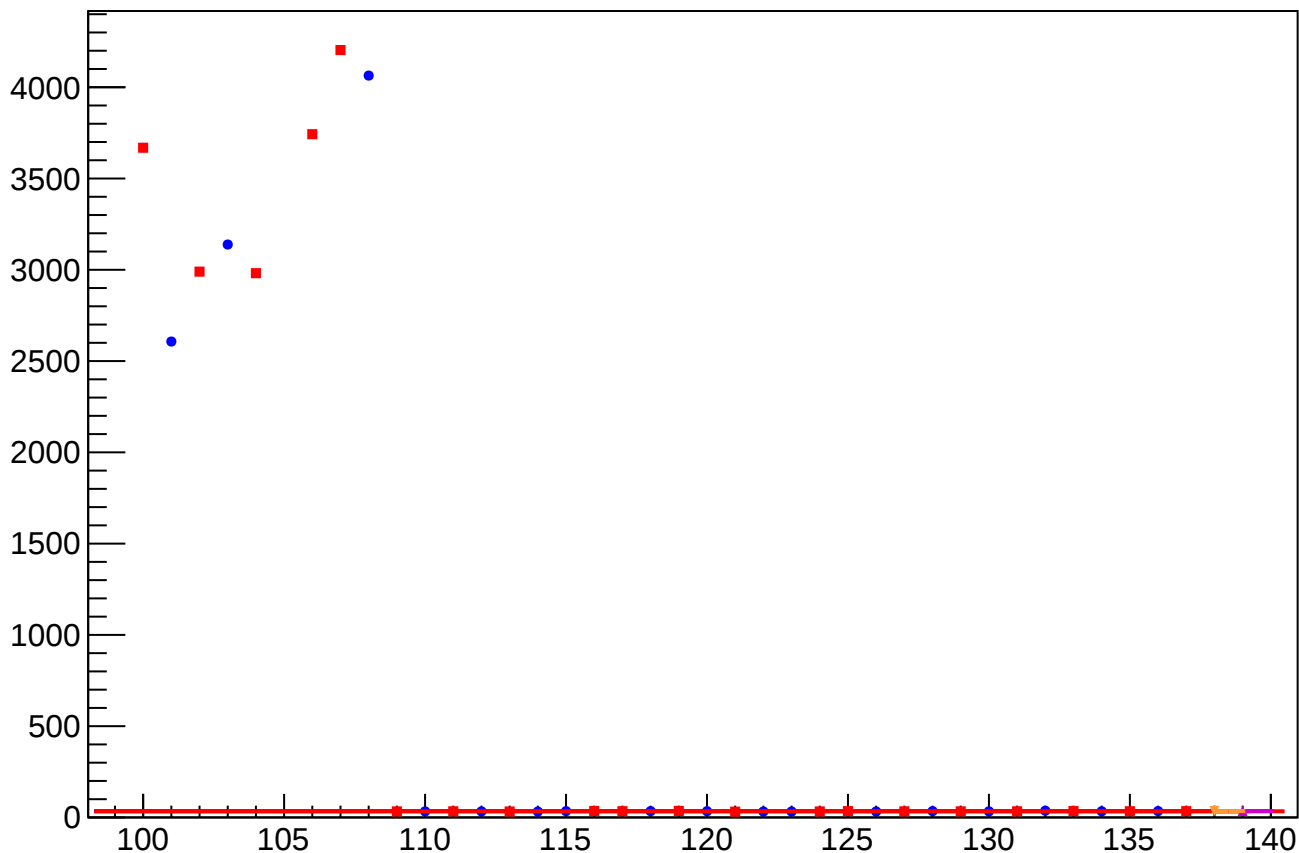
Left In: -25.045 $\pm$ 42.812 χ^2 /NDF: 0.0/0

3.169 $\pm$ 14.033 χ^2 /NDF: 20.5/17

5.182 $\pm$ 9.932 χ^2 /NDF: 43.9/38

7.203 $\pm$ 14.060 χ^2 /NDF: 23.4/20

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.137 $\pm$ 0.011 χ^2 /NDF: 3006248.0/16

Left Out: 35.137 $\pm$ 0.029 χ^2 /NDF: 0.0/0

Right Out: 33.915 $\pm$ 0.011 χ^2 /NDF: 3451897.1/19

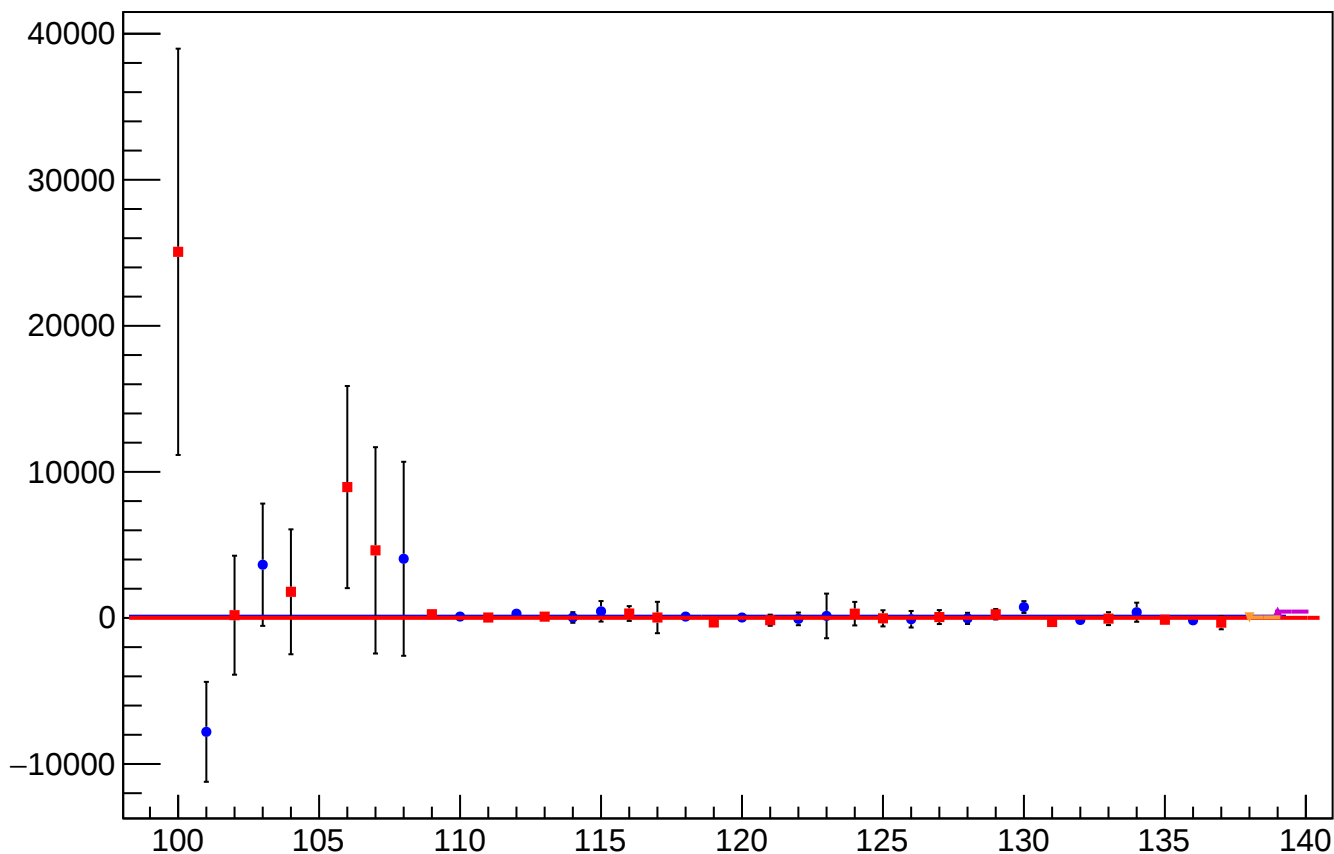
Left In: 35.257 $\pm$ 0.030 χ^2 /NDF: 0.0/0

34.254 $\pm$ 0.010 χ^2 /NDF: 3007296.8/17

34.157 $\pm$ 0.007 χ^2 /NDF: 6461136.5/38

34.060 $\pm$ 0.010 χ^2 /NDF: 3453648.3/20

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: 42.430+/-257.176 χ^2/NDF : 0.0/0

Right Out: 7.420+/-80.977 χ^2/NDF : 11.1/19

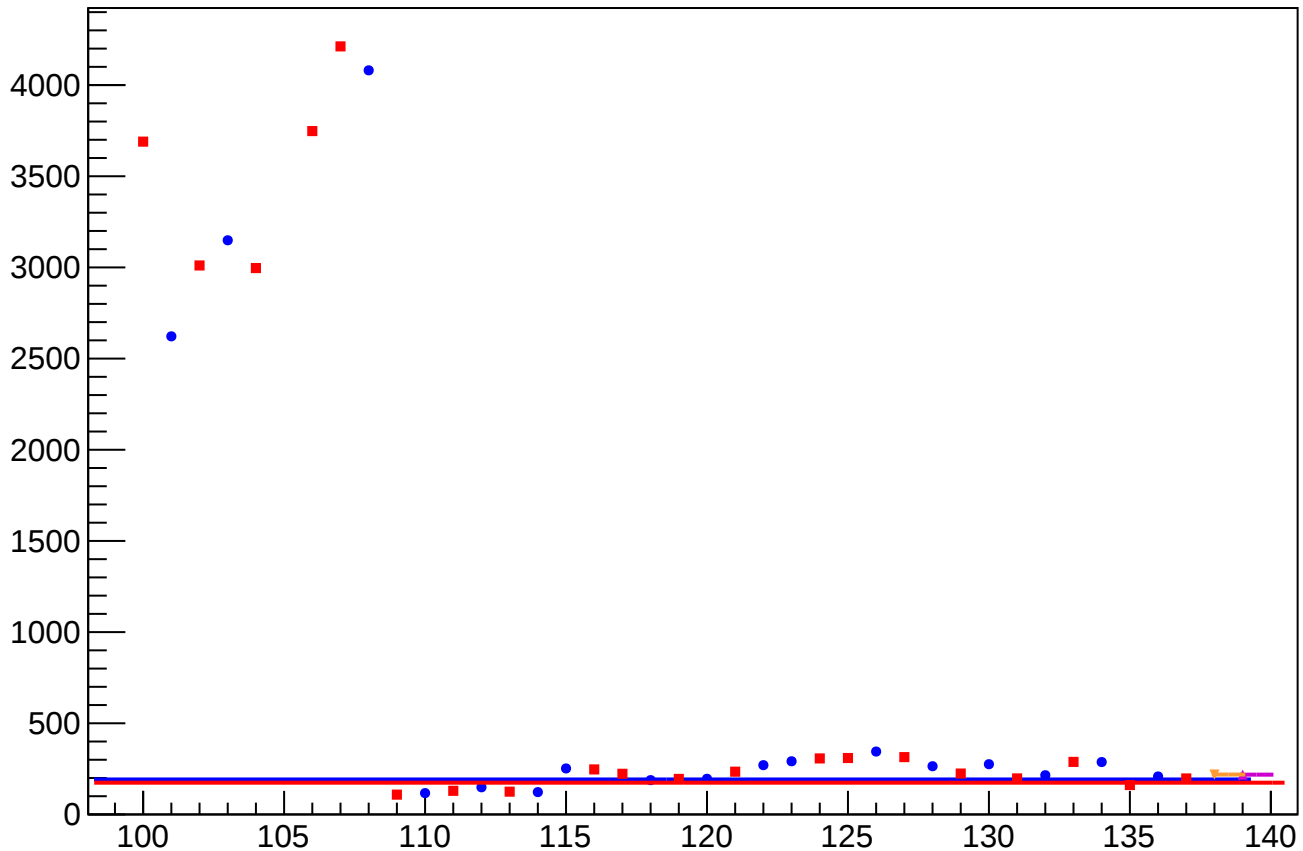
Left In: 433.601+/-267.861 χ^2/NDF : 0.0/0

81.474+/-83.216 χ^2/NDF : 12.4/17

60.931+/-56.719 χ^2/NDF : 25.9/38

43.108+/-77.513 χ^2/NDF : 13.4/20

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.880 $\pm$ 0.062 χ^2 /NDF: 3573060.2/16

Left Out: 218.997 $\pm$ 0.182 χ^2 /NDF: 0.0/0

Right Out: 174.207 $\pm$ 0.057 χ^2 /NDF: 4215538.3/19

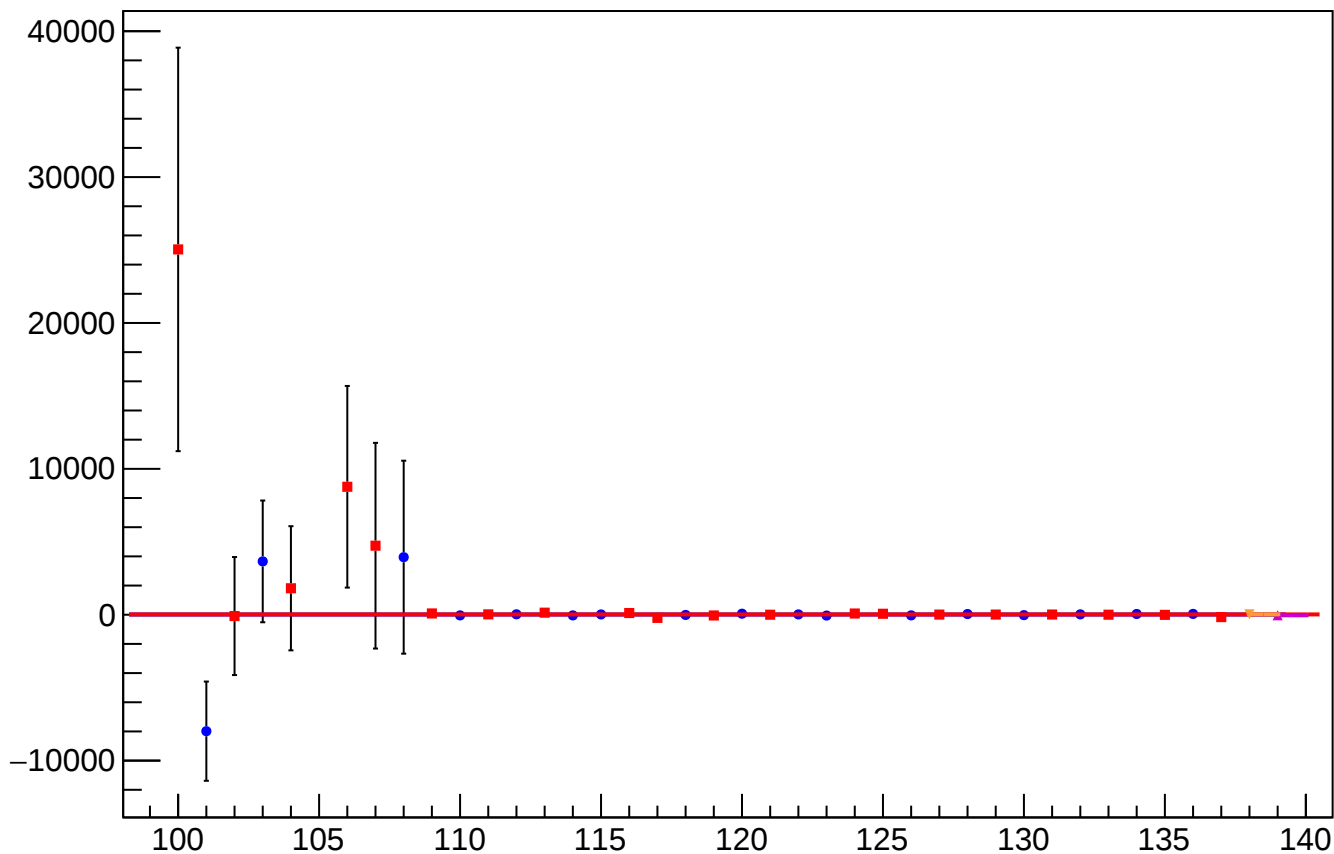
Left In: 218.244 $\pm$ 0.189 χ^2 /NDF: 0.0/0

194.719 $\pm$ 0.059 χ^2 /NDF: 3592966.9/17

185.711 $\pm$ 0.040 χ^2 /NDF: 7901812.8/38

177.894 $\pm$ 0.055 χ^2 /NDF: 4265069.7/20

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: 27.306+/-37.177 χ^2/NDF : 0.0/0

Right Out: 21.490+/-13.601 χ^2/NDF : 29.9/19

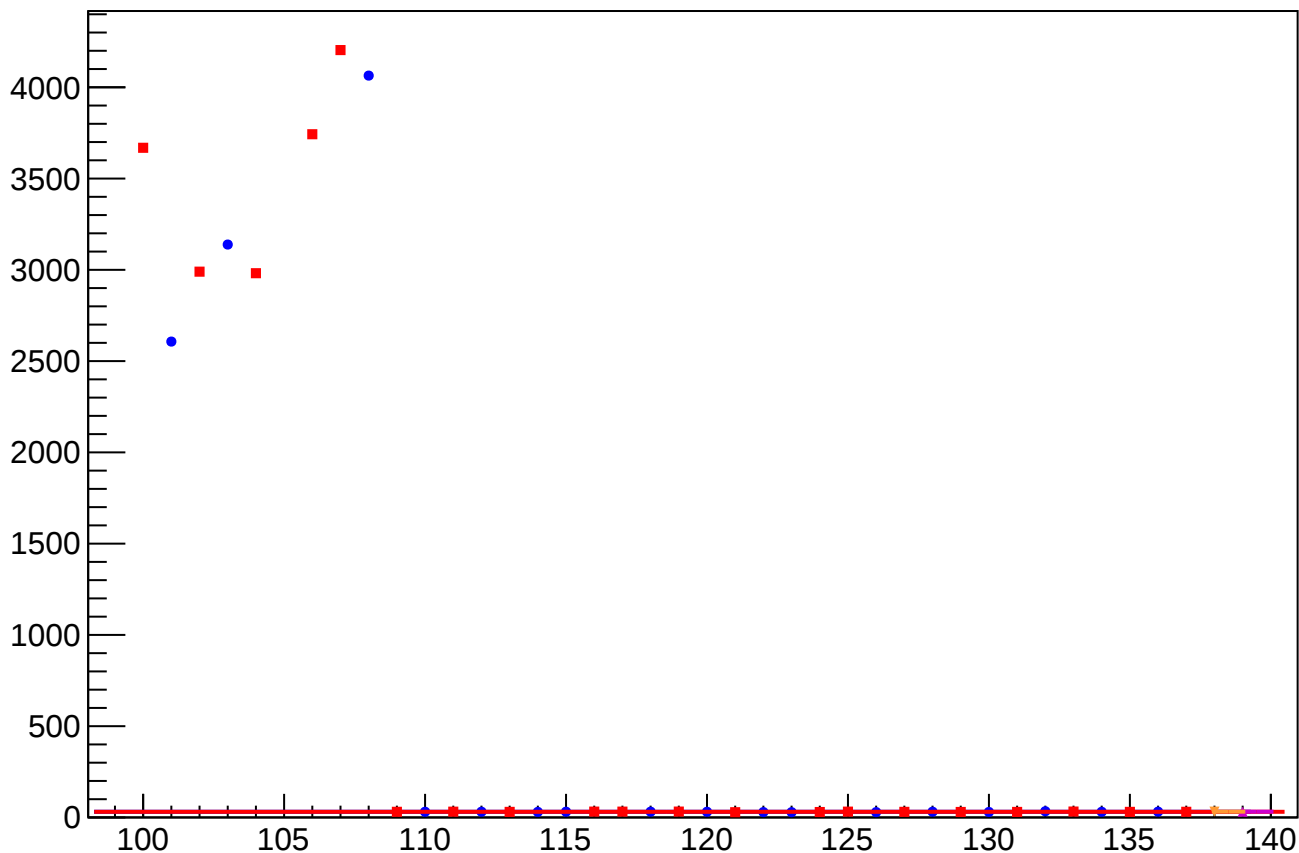
Left In: -37.300+/-38.562 χ^2/NDF : 0.0/0

15.680+/-12.787 χ^2/NDF : 15.3/17

15.334+/-9.056 χ^2/NDF : 47.3/38

14.986+/-12.827 χ^2/NDF : 32.0/20

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 31.127 $\pm$ 0.010 χ^2 /NDF: 3014425.9/16

Left Out: 31.847 $\pm$ 0.026 χ^2 /NDF: 0.0/0

Right Out: 30.970 $\pm$ 0.010 χ^2 /NDF: 3459018.8/19

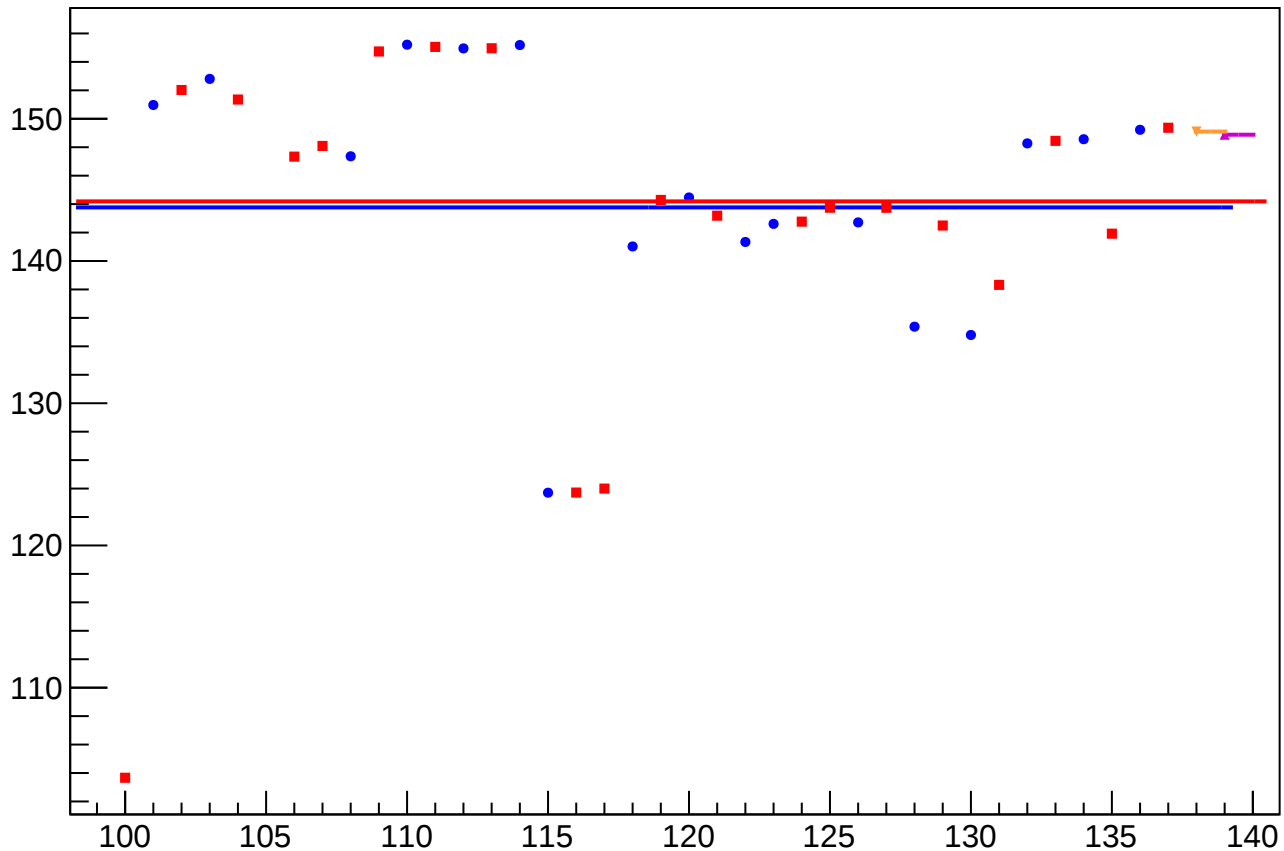
Left In: 31.742 $\pm$ 0.027 χ^2 /NDF: 0.0/0

31.212 $\pm$ 0.009 χ^2 /NDF: 3015088.2/17

31.134 $\pm$ 0.006 χ^2 /NDF: 6474967.5/38

31.056 $\pm$ 0.009 χ^2 /NDF: 3459730.7/20

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.768 $\pm$ 0.000 χ^2 /NDF: 3532173868.5/16

Left Out: 149.101 $\pm$ 0.000 χ^2 /NDF: 0.0/0

144.493 $\pm$ 0.000 χ^2 /NDF: 3747226265.0/17

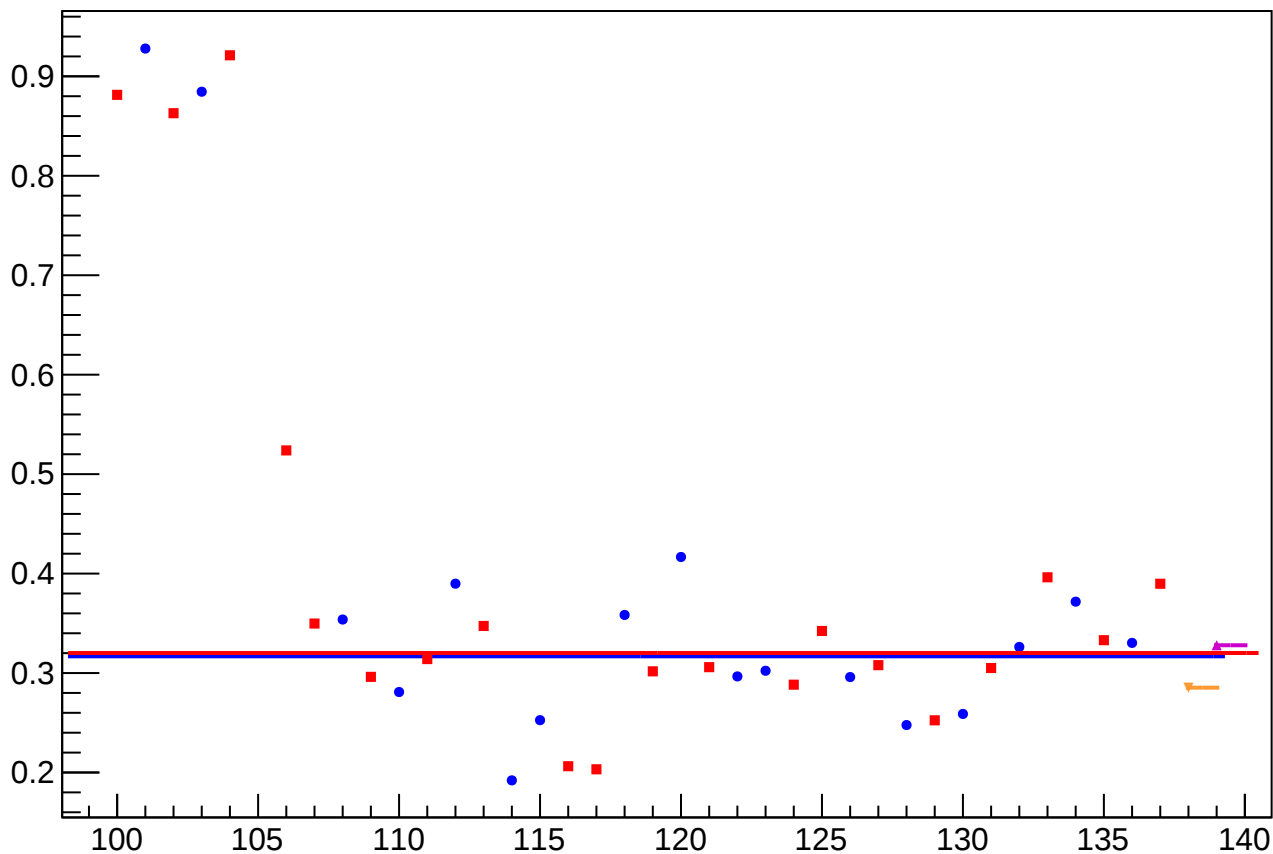
Right Out: 144.192 $\pm$ 0.000 χ^2 /NDF: 4524049993.1/19

144.567 $\pm$ 0.000 χ^2 /NDF: 8393208769.9/18

Left In: 148.880 $\pm$ 0.000 χ^2 /NDF: 0.0/0

144.642 $\pm$ 0.000 χ^2 /NDF: 4645267898.7/20

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.317+/-0.000 χ^2/NDF : 1278613.2/16

Left Out: 0.285+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.320+/-0.000 χ^2/NDF : 1240600.2/19

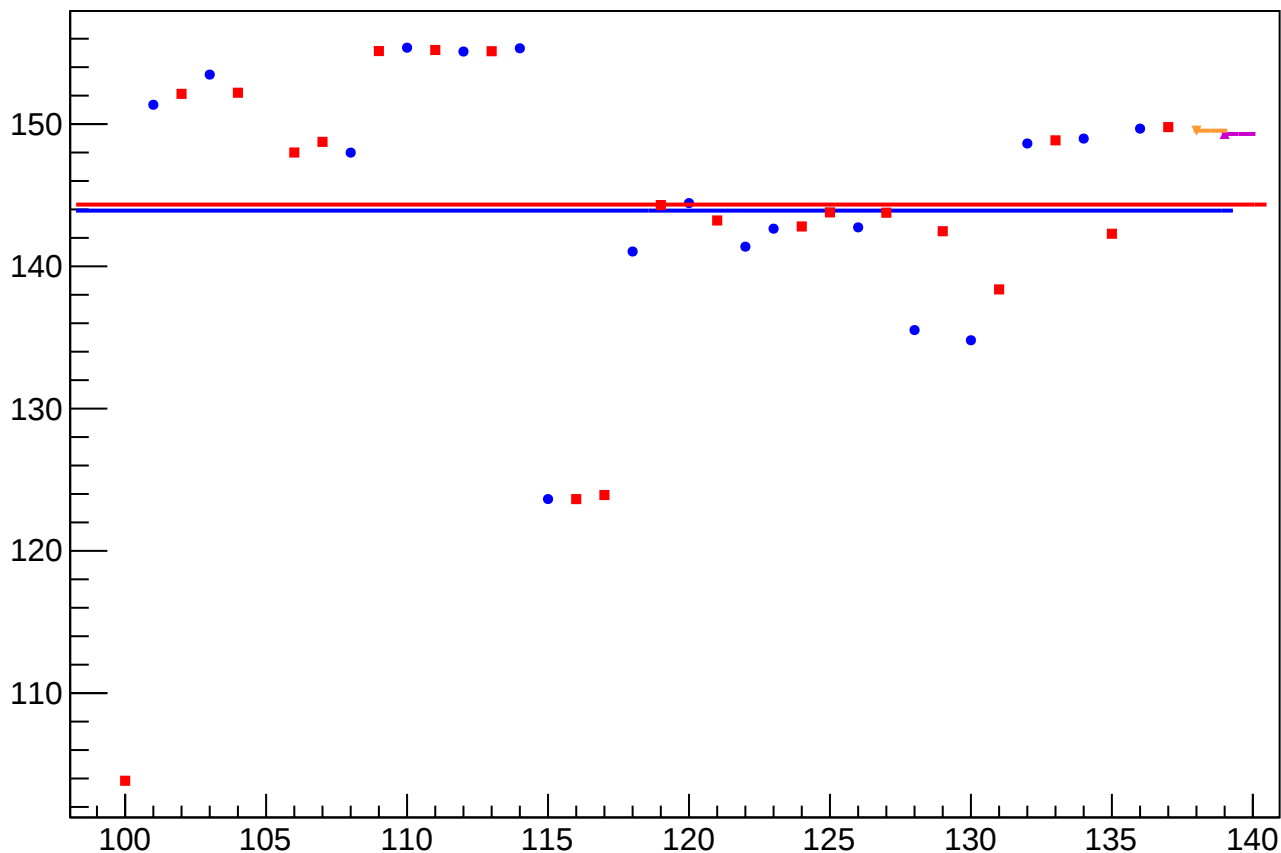
Left In: 0.328+/-0.000 χ^2/NDF : 0.0/0

0.313+/-0.000 χ^2/NDF : 1293647.8/17

0.317+/-0.000 χ^2/NDF : 2539401.9/38

0.321+/-0.000 χ^2/NDF : 1241266.3/20

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.917 $\pm$ 0.000 χ^2 /NDF: 3584662767.5/16

Left Out: 149.535 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 144.342 $\pm$ 0.000 χ^2 /NDF: 4551365931.0/19

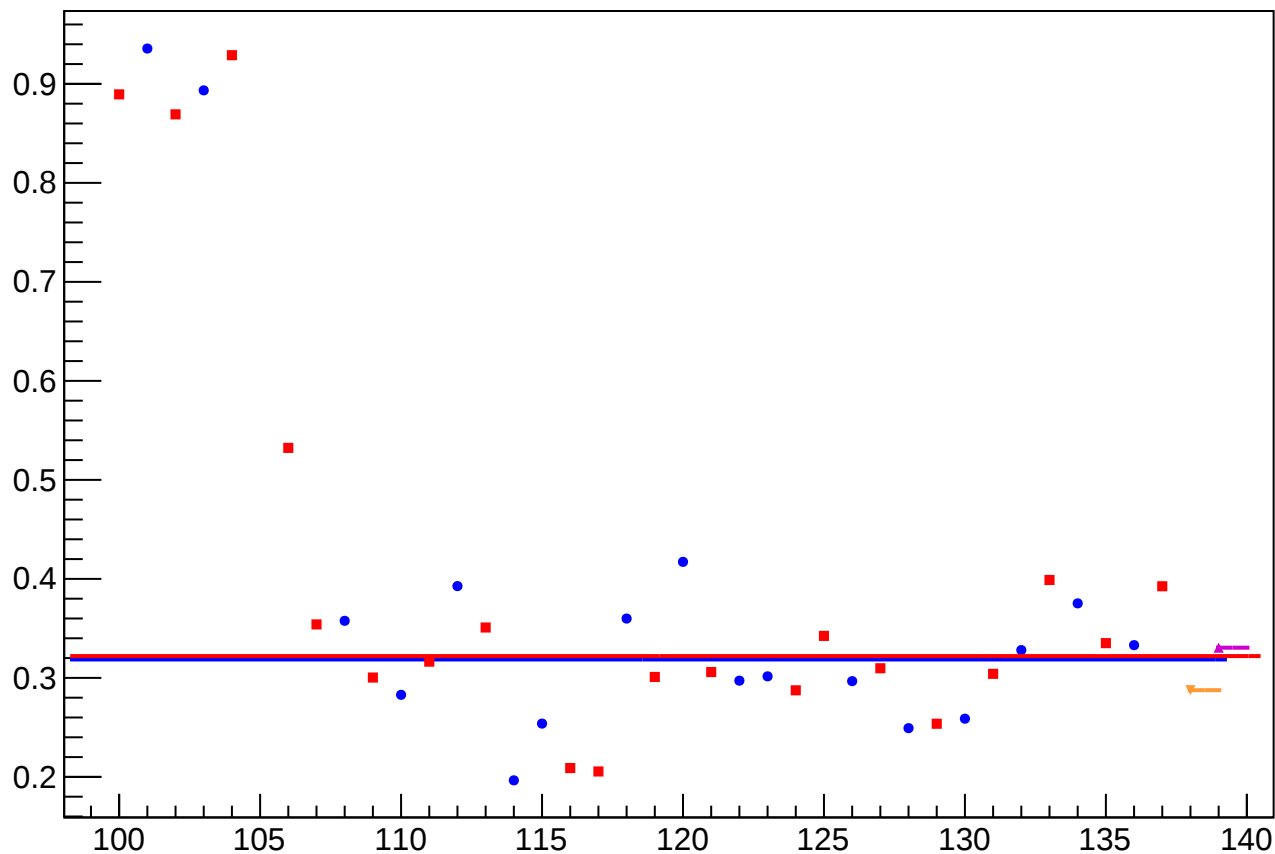
Left In: 149.305 $\pm$ 0.000 χ^2 /NDF: 0.0/0

144.677 $\pm$ 0.000 χ^2 /NDF: 3819788815.0/17

144.747 $\pm$ 0.000 χ^2 /NDF: 8505485225.5/17

144.817 $\pm$ 0.000 χ^2 /NDF: 4685074303.8/20

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.319+/-0.000 χ^2/NDF : 1280748.9/16

Left Out: 0.288+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.322+/-0.000 χ^2/NDF : 1243109.0/19

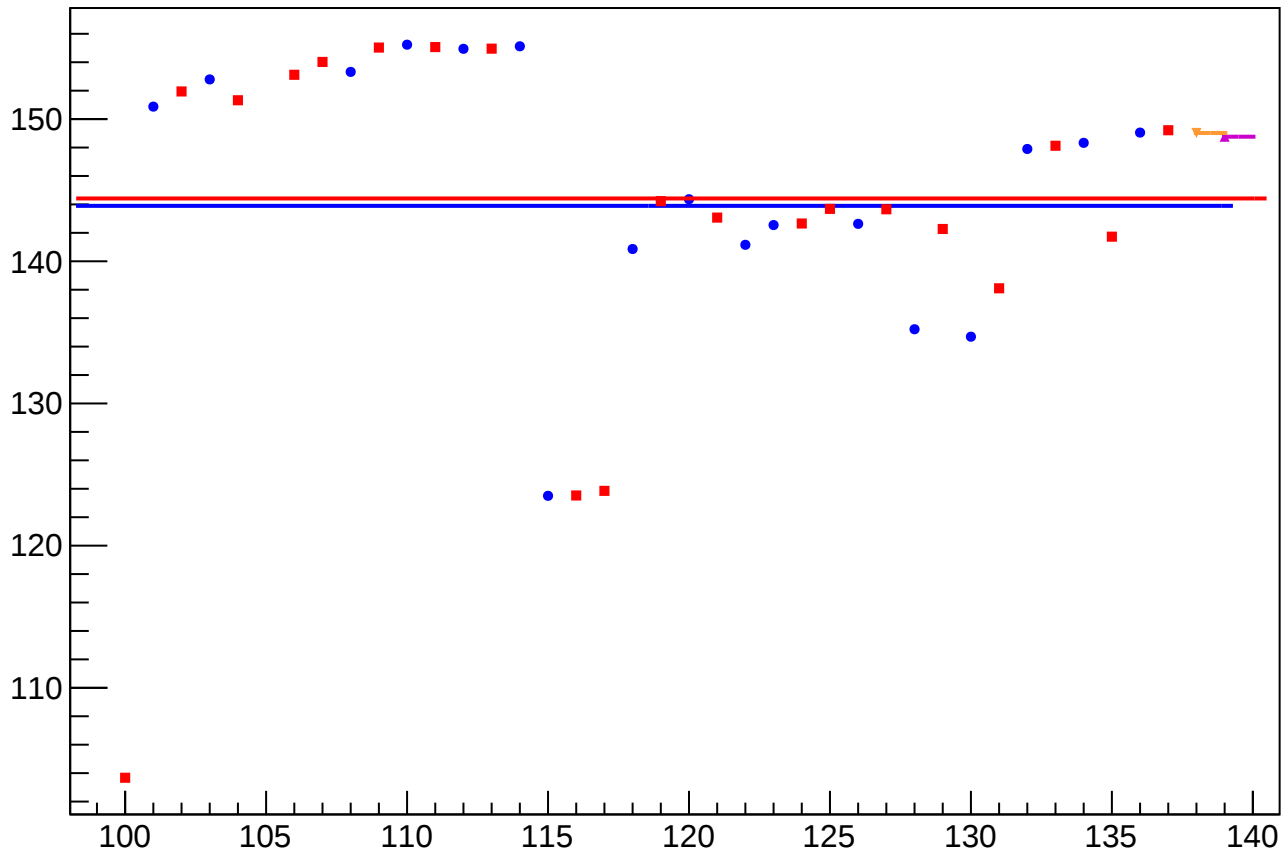
Left In: 0.331+/-0.000 χ^2/NDF : 0.0/0

0.314+/-0.000 χ^2/NDF : 1295084.4/17

0.319+/-0.000 χ^2/NDF : 2543467.4/38

0.323+/-0.000 χ^2/NDF : 1243890.6/20

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.899 $\pm$ 0.000 χ^2 /NDF: 3749888331.0/16

Left Out: 149.026 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 144.419 $\pm$ 0.000 χ^2 /NDF: 4820290476.6/19

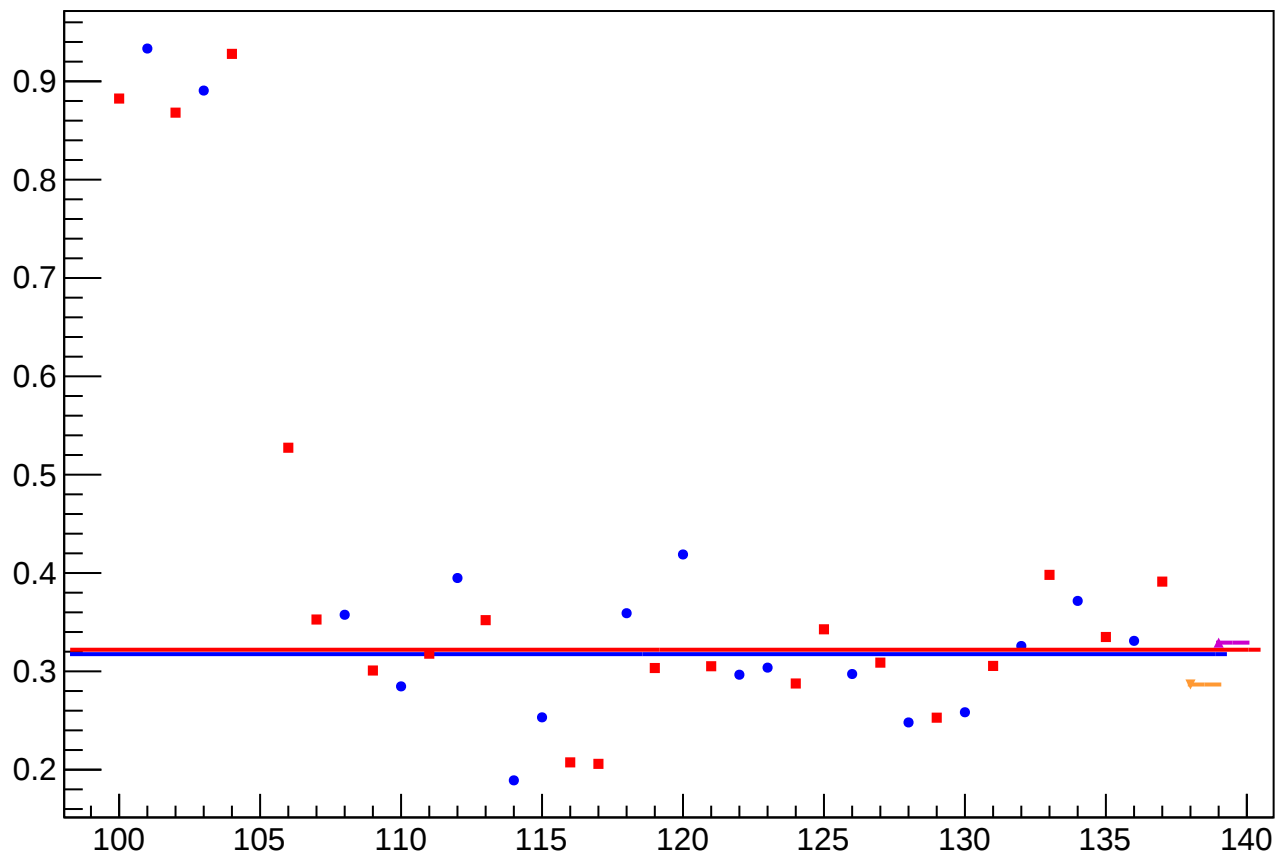
Left In: 148.762 $\pm$ 0.000 χ^2 /NDF: 0.0/0

144.593 $\pm$ 0.000 χ^2 /NDF: 3946935208.7/17

144.714 $\pm$ 0.000 χ^2 /NDF: 8872355686.3/18

144.838 $\pm$ 0.000 χ^2 /NDF: 4923529195.2/20

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1293179.2/16

Left Out: 0.287 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1243703.4/19

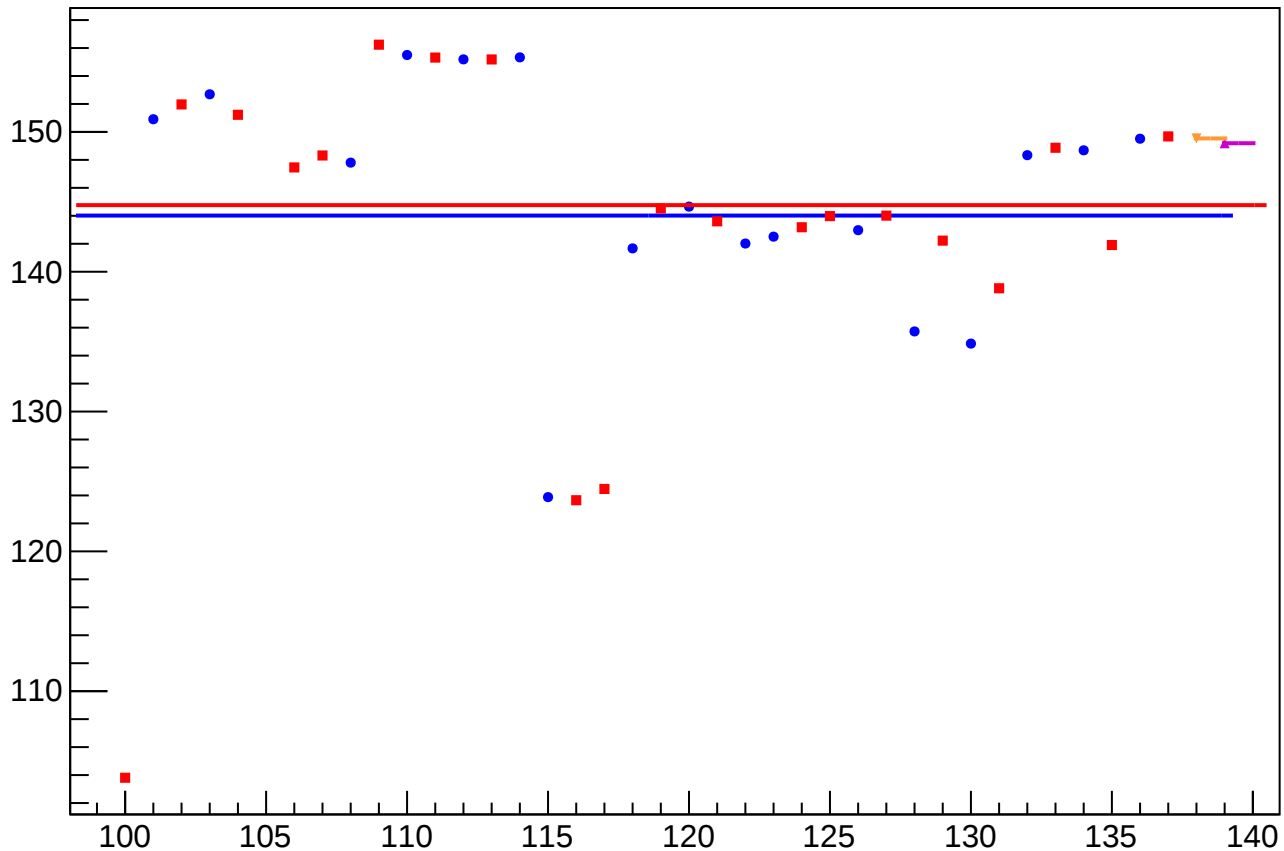
Left In: 0.329 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.313 $\pm$ 0.000 χ^2 /NDF: 1307465.2/17

0.318 $\pm$ 0.000 χ^2 /NDF: 2557313.2/38

0.323 $\pm$ 0.000 χ^2 /NDF: 1244272.7/20

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.018 $\pm$ 0.000 χ^2 /NDF: 3238525527.6/16

Left Out: 149.536 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 144.764 $\pm$ 0.000 χ^2 /NDF: 4098462011.9/19

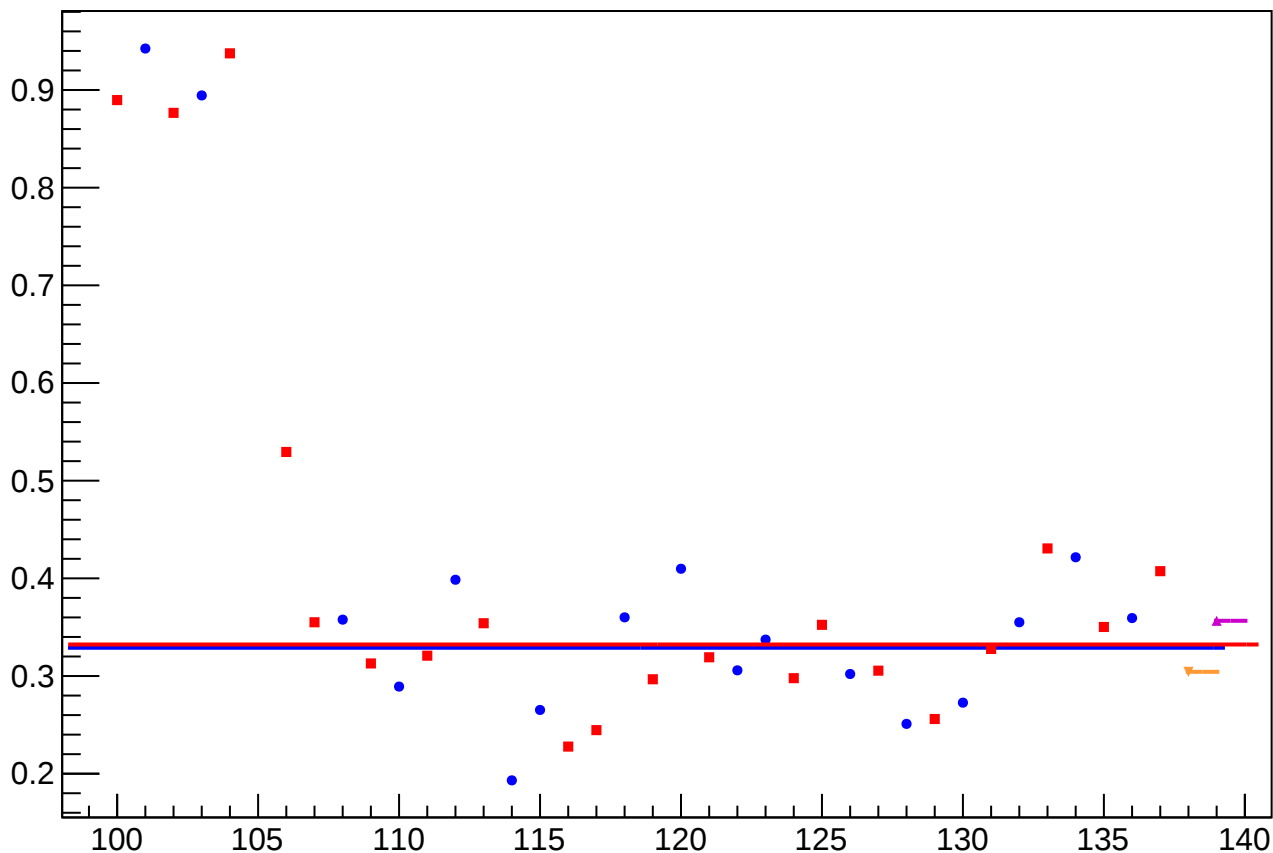
Left In: 149.192 $\pm$ 0.000 χ^2 /NDF: 0.0/0

144.727 $\pm$ 0.000 χ^2 /NDF: 3439694788.5/17

144.938 $\pm$ 0.000 χ^2 /NDF: 7634745179.3/18

145.150 $\pm$ 0.000 χ^2 /NDF: 4189789004.0/20

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.329+/-0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.304+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.332+/-0.000 χ^2/NDF : 1191637.2/19

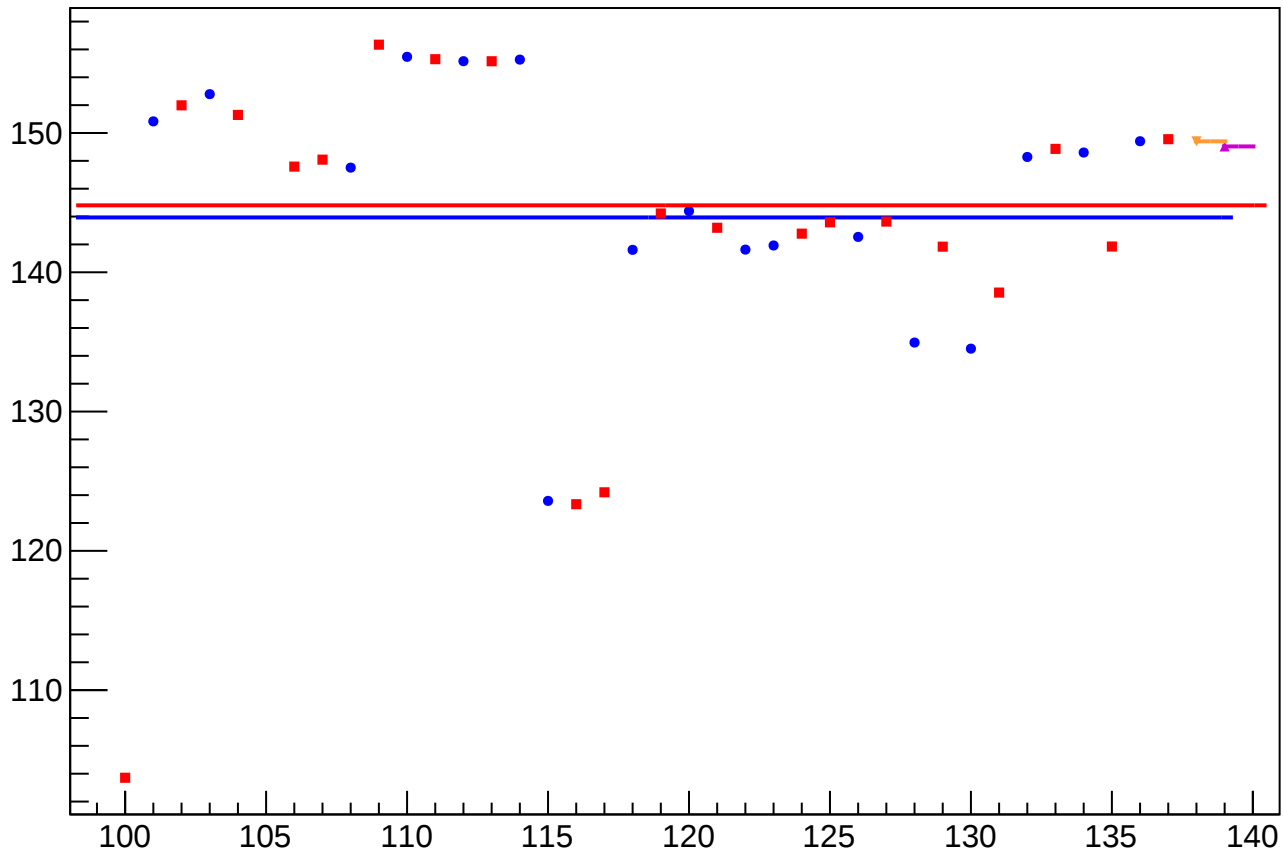
Left In: 0.357+/-0.000 χ^2/NDF : 0.0/0

0.326+/-0.000 χ^2/NDF : 1284148.4/17

0.330+/-0.000 χ^2/NDF : 2485623.9/38

0.334+/-0.000 χ^2/NDF : 1197117.5/20

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.937 $\pm$ 0.000 χ^2 /NDF: 3379203532.9/16

Left Out: 149.401 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 144.806 $\pm$ 0.000 χ^2 /NDF: 4139087143.3/19

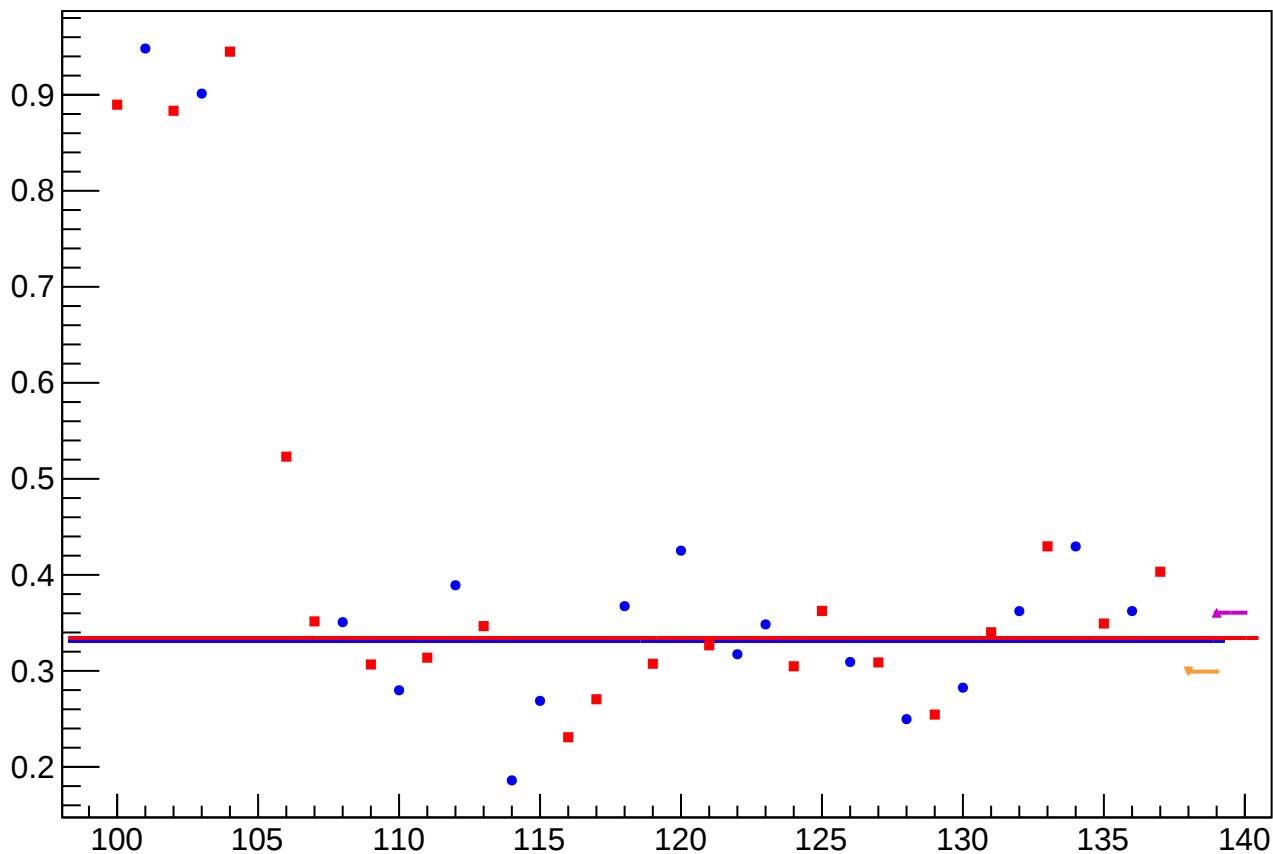
Left In: 149.035 $\pm$ 0.000 χ^2 /NDF: 0.0/0

144.667 $\pm$ 0.000 χ^2 /NDF: 3580780492.9/17

144.917 $\pm$ 0.000 χ^2 /NDF: 7808221972.7/17

145.170 $\pm$ 0.000 χ^2 /NDF: 4220127210.0/20

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.331+/-0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.299+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.334+/-0.000 χ^2/NDF : 1176170.4/19

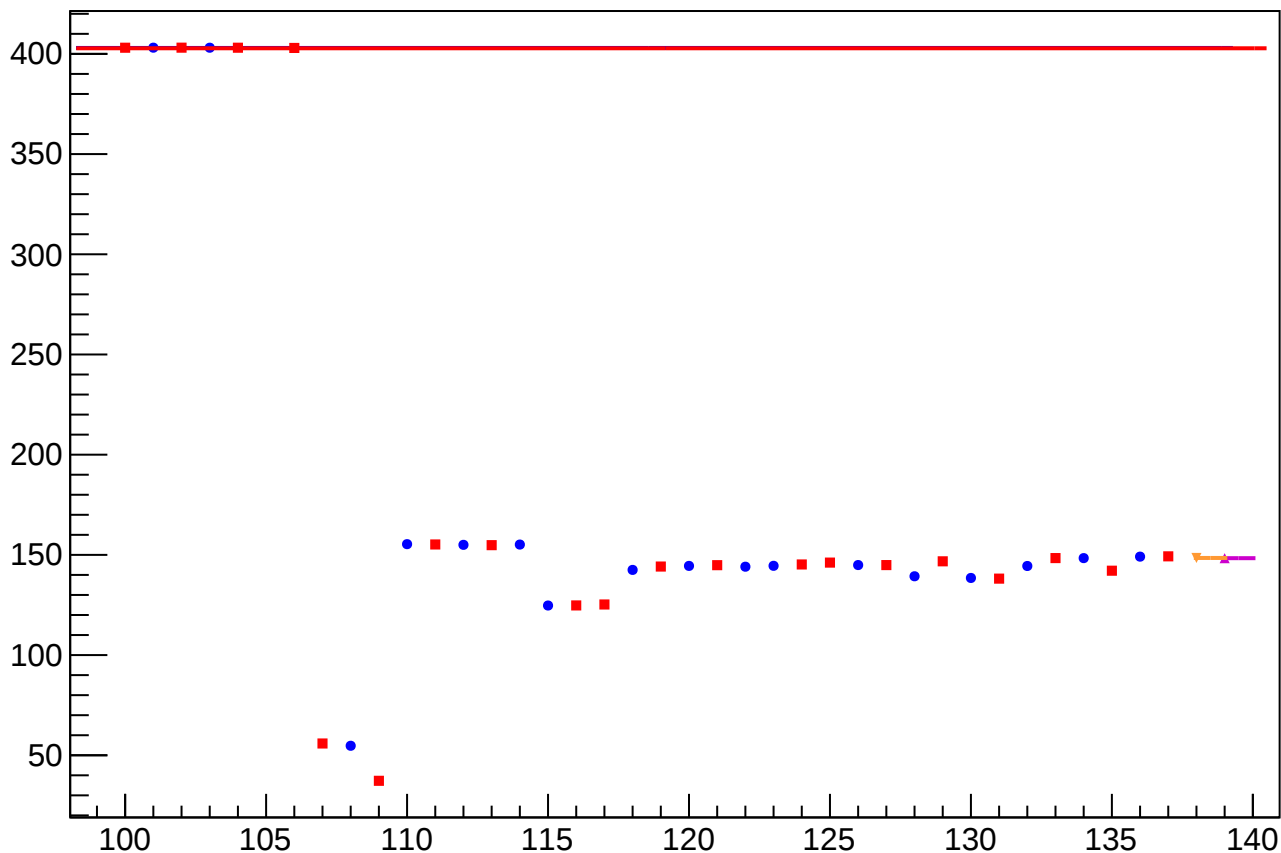
Left In: 0.361+/-0.000 χ^2/NDF : 0.0/0

0.327+/-0.000 χ^2/NDF : 1309493.7/17

0.332+/-0.000 χ^2/NDF : 2497304.9/38

0.337+/-0.000 χ^2/NDF : 1182468.0/20

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.957+/-0.000 χ^2/NDF : 1096710296821.6/16

Left Out: 148.463+/-0.001 χ^2/NDF : 0.0/0

Right Out: 402.797+/-0.000 χ^2/NDF : 3122752044607.2/19

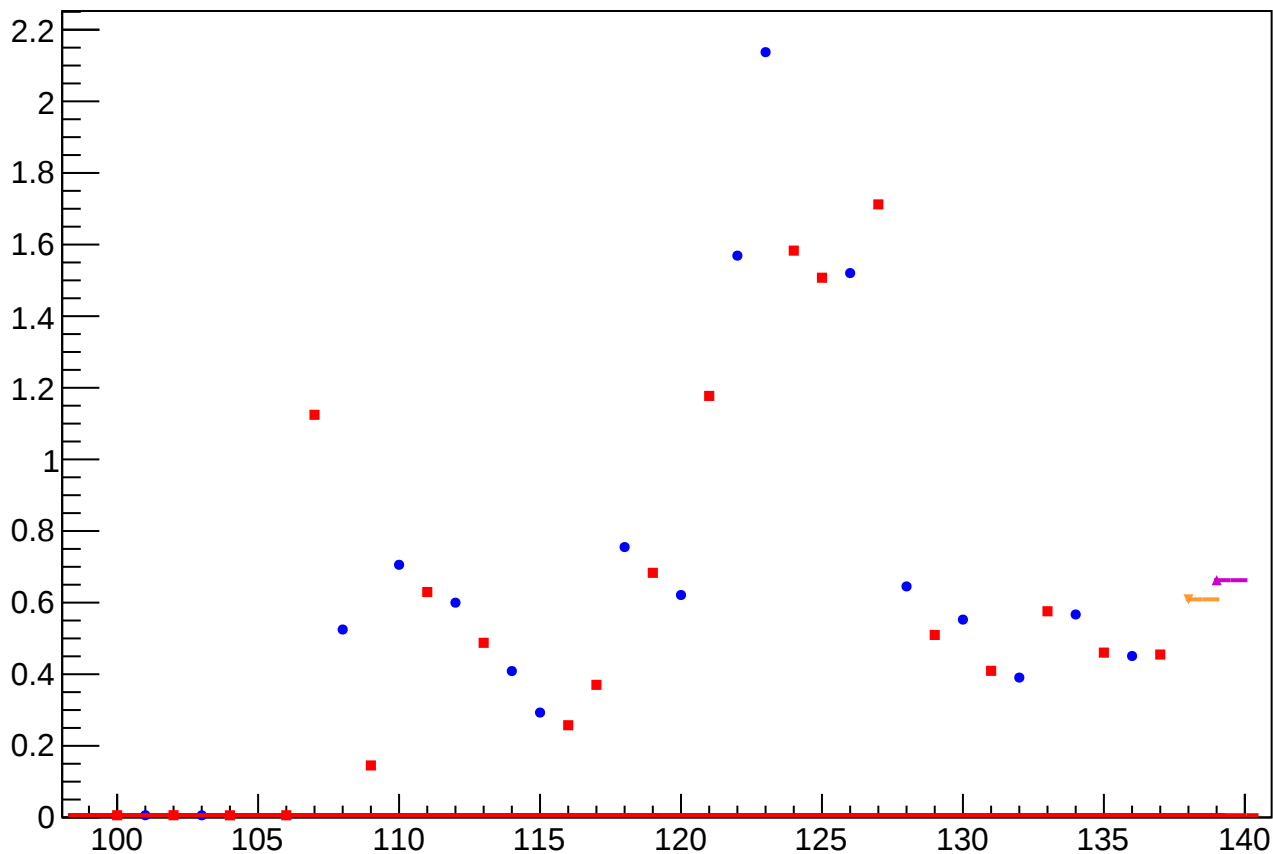
Left In: 148.354+/-0.001 χ^2/NDF : 0.0/0

402.944+/-0.000 χ^2/NDF : 1203309675408.9/17

402.860+/-0.000 χ^2/NDF : 441335738362

402.787+/-0.000 χ^2/NDF : 3209640693334.2/20

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.609+/-0.001 χ^2/NDF : 0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF : 9277290.2/19

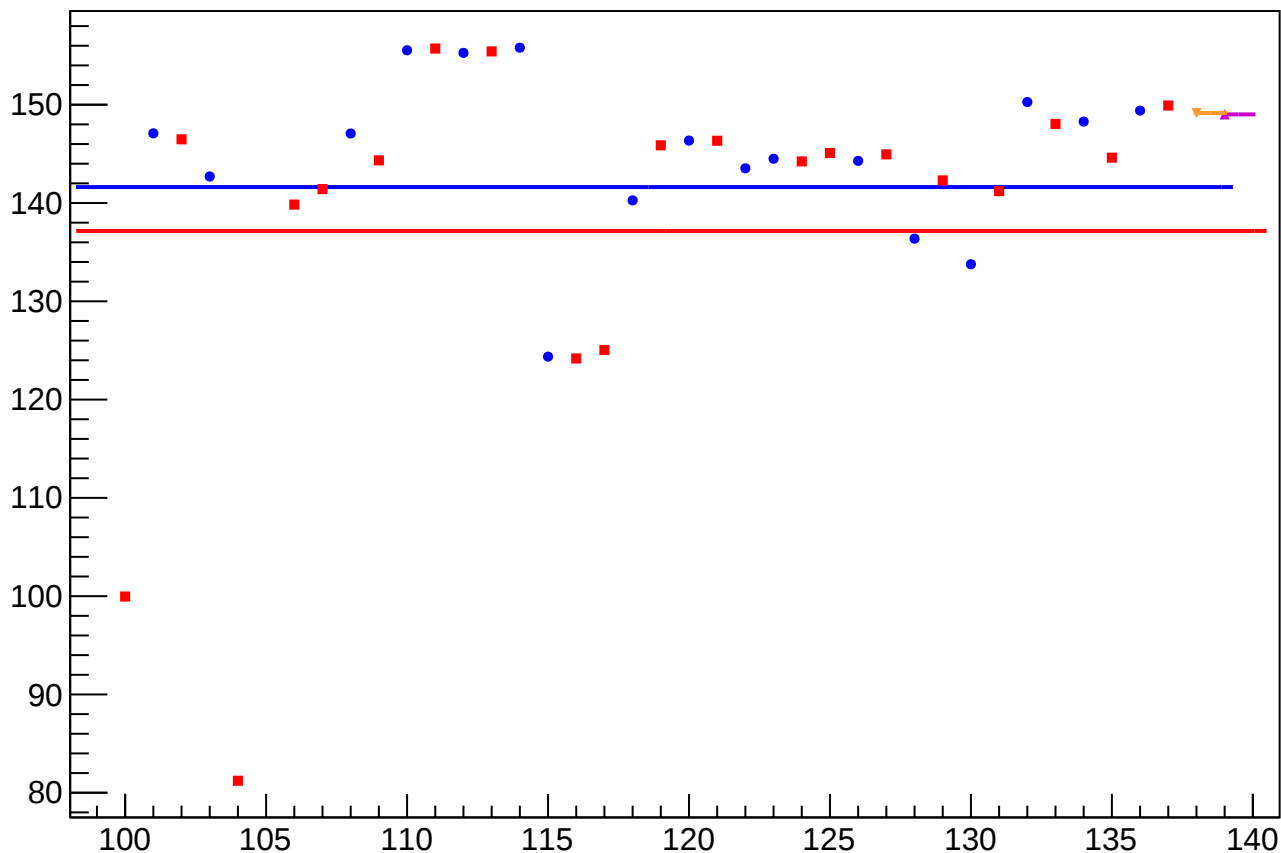
Left In: 0.663+/-0.001 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 10356894.8/17

0.006+/-0.000 χ^2/NDF : 20790189.2/38

0.006+/-0.000 χ^2/NDF : 10433286.3/20

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.622 ± 0.000 χ^2/NDF : 982037737.7/16

Left Out: 149.155 ± 0.001 χ^2/NDF : 0.0/0

Right Out: 137.160 ± 0.000 χ^2/NDF : 1365742338.8/19

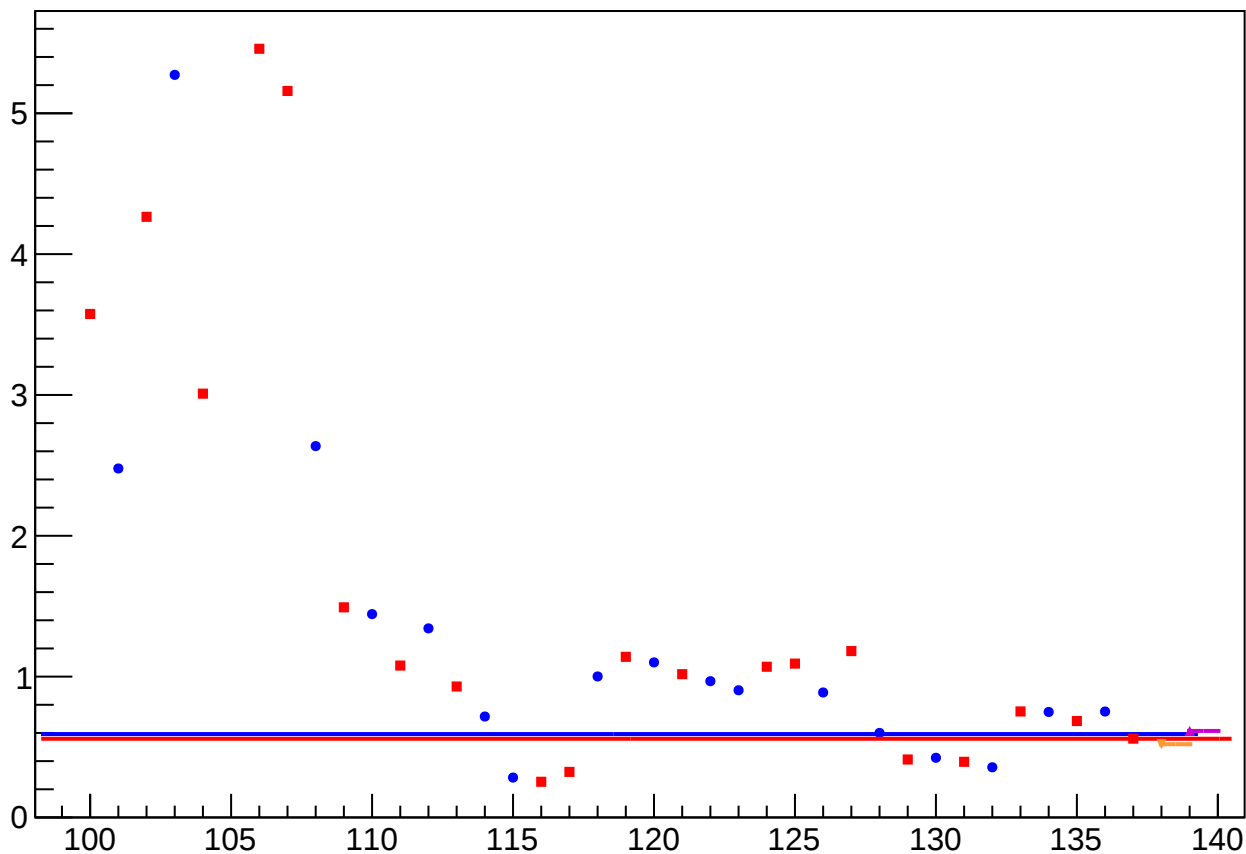
Left In: 149.015 ± 0.001 χ^2/NDF : 0.0/0

142.551 ± 0.000 χ^2/NDF : 1052854071.4/17

140.334 ± 0.000 χ^2/NDF : 2665265927.8/17

138.202 ± 0.000 χ^2/NDF : 1501101633.4/20

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3521577.2/16

Left Out: 0.520 $\pm$ 0.001 χ^2 /NDF: 0.0/0

Right Out: 0.559 $\pm$ 0.000 χ^2 /NDF: 4719868.1/19

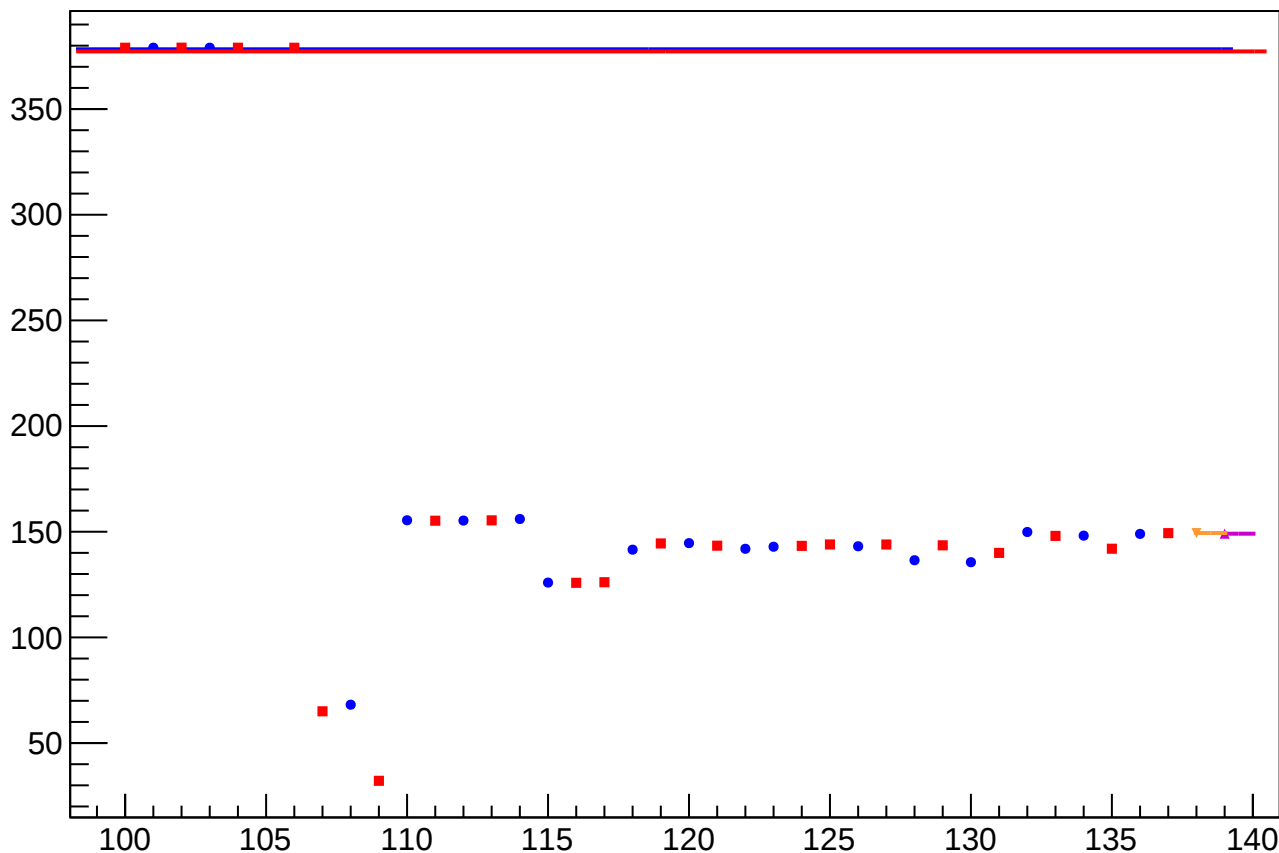
Left In: 0.614 $\pm$ 0.001 χ^2 /NDF: 0.0/0

0.583 $\pm$ 0.000 χ^2 /NDF: 3534645.7/17

0.573 $\pm$ 0.000 χ^2 /NDF: 8264977.0/38

0.564 $\pm$ 0.000 χ^2 /NDF: 4725809.8/20

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16

Left Out: 149.394+/-0.000 χ^2/NDF : 0.0/0

Right Out: 377.282+/-0.000 χ^2/NDF : 8306405788315.4/19

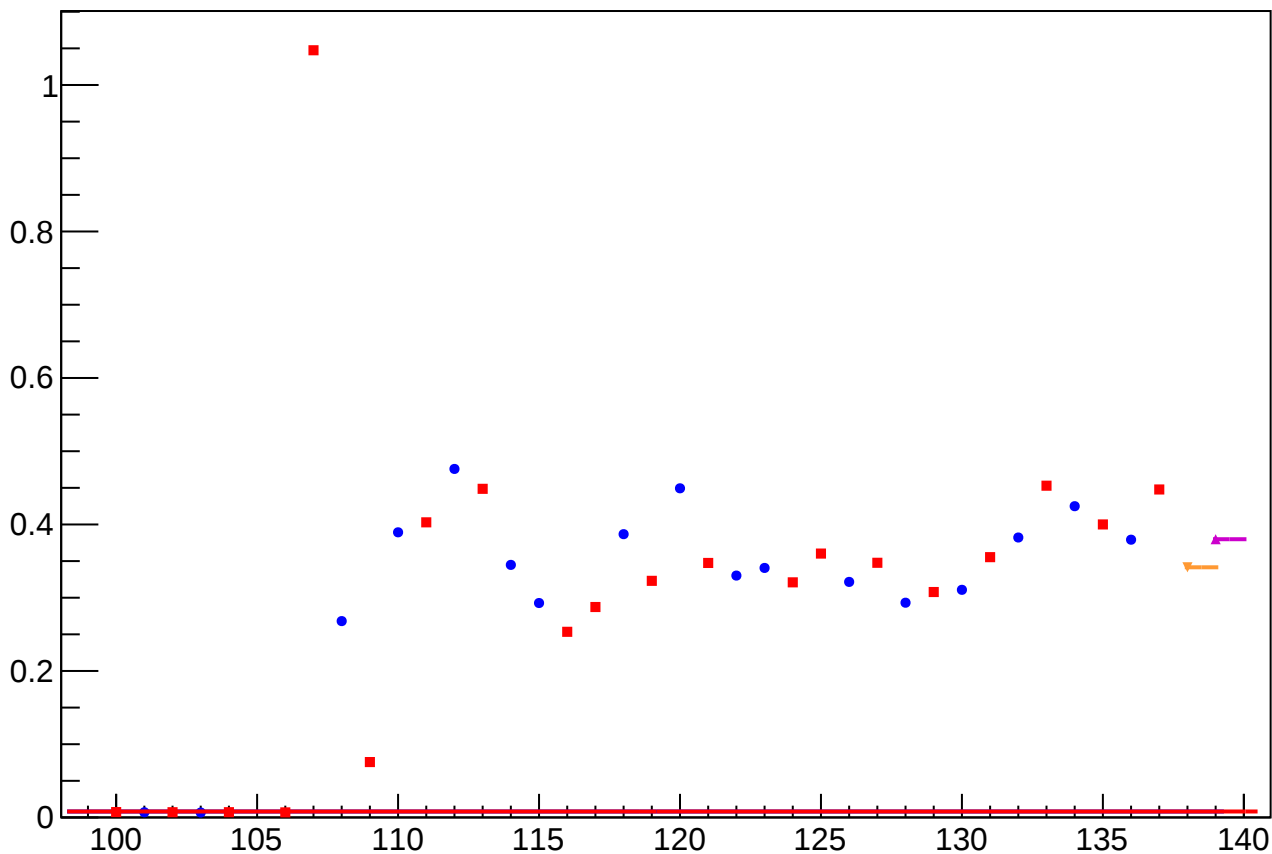
Left In: 149.076+/-0.000 χ^2/NDF : 0.0/0

378.175+/-0.000 χ^2/NDF : 2835550336759.5/17

377.663+/-0.000 χ^2/NDF : 113852824057

377.214+/-0.000 χ^2/NDF : 8543169526570.7/20

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.342+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.008+/-0.000 χ^2/NDF : 9601959.4/19

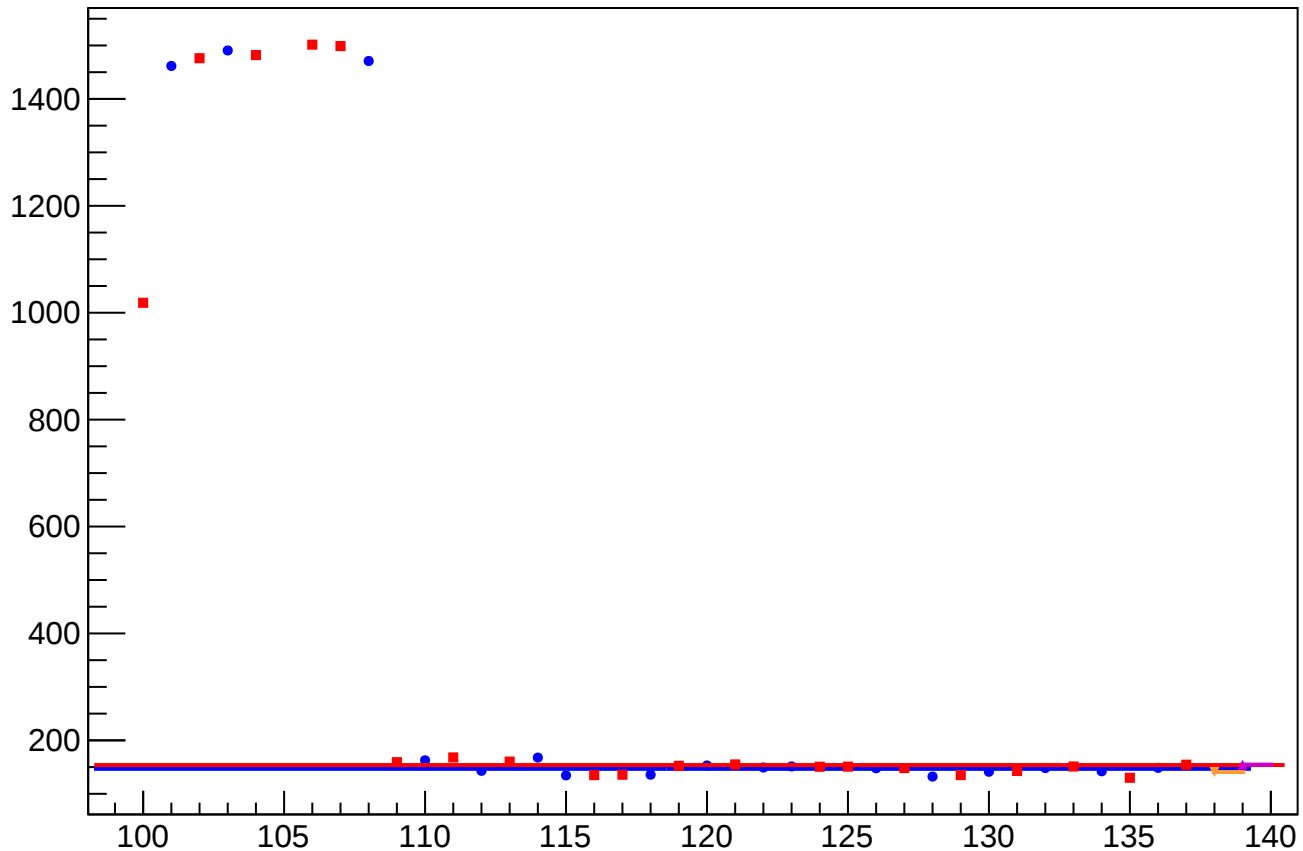
Left In: 0.380+/-0.000 χ^2/NDF : 0.0/0

0.008+/-0.000 χ^2/NDF : 11257676.6/17

0.008+/-0.000 χ^2/NDF : 22115979.7/38

0.008+/-0.000 χ^2/NDF : 10858299.6/20

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 140.764+/-0.001 χ^2/NDF : 0.0/0

Right Out: 153.818+/-0.000 χ^2/NDF : 33744777744.4/19

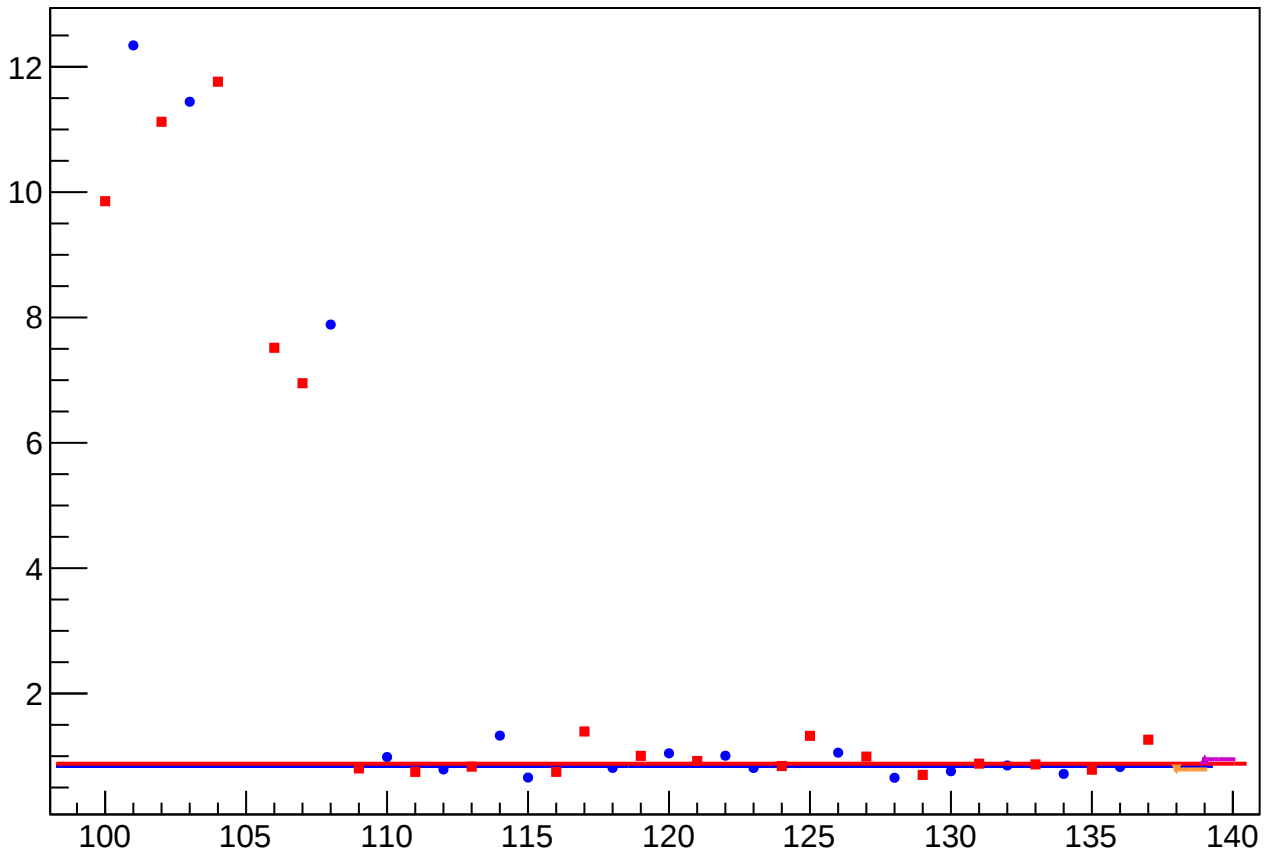
Left In: 154.591+/-0.001 χ^2/NDF : 0.0/0

145.988+/-0.000 χ^2/NDF : 24374328960.4/17

149.846+/-0.000 χ^2/NDF : 58305567470.4

153.887+/-0.000 χ^2/NDF : 33745061598.8/20

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.844+/-0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.789+/-0.001 χ^2/NDF : 0.0/0

Right Out: 0.880+/-0.000 χ^2/NDF : 2823230.1/19

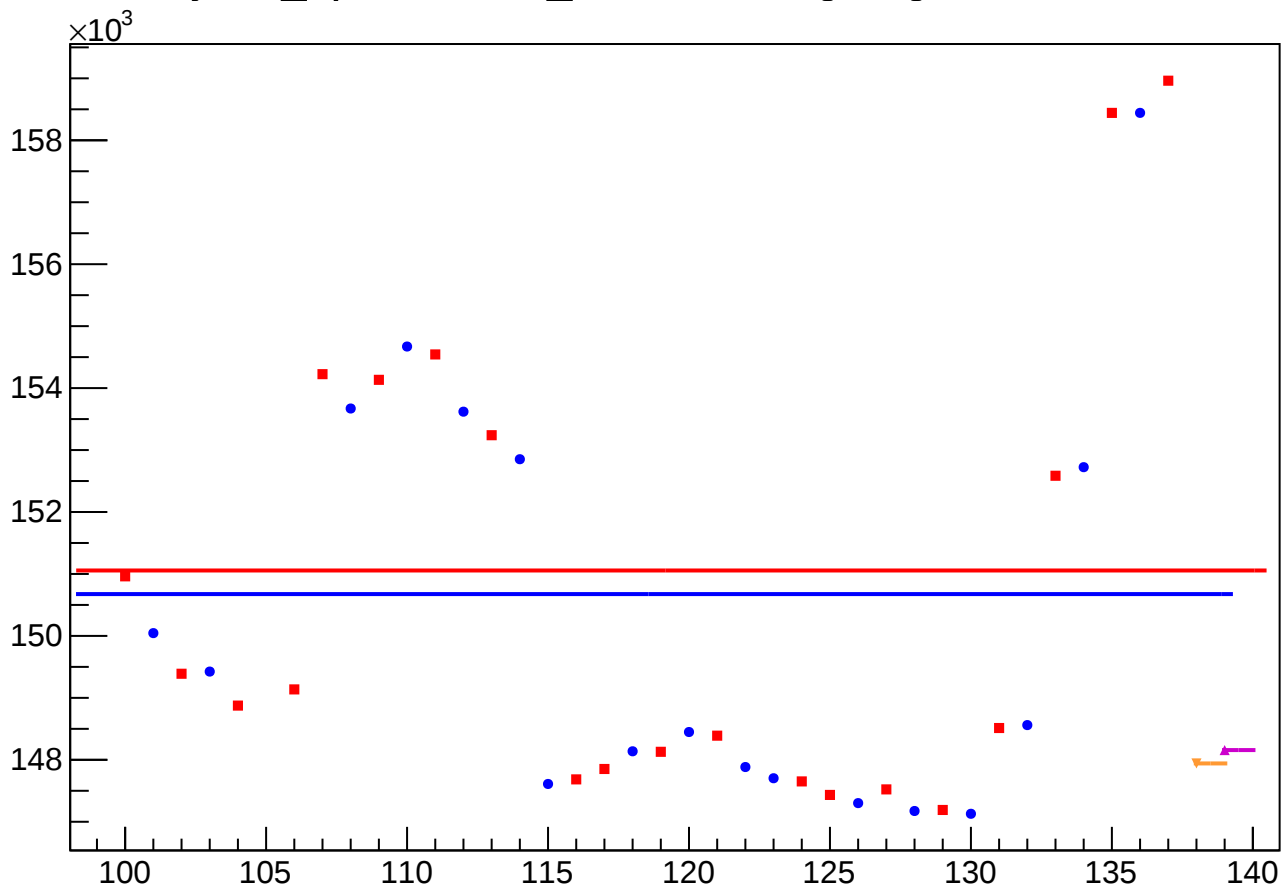
Left In: 0.950+/-0.001 χ^2/NDF : 0.0/0

0.837+/-0.000 χ^2/NDF : 2674471.7/17

0.861+/-0.000 χ^2/NDF : 5517122.8/38

0.887+/-0.000 χ^2/NDF : 2827904.3/20

yield_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 150675.025 $\pm$ 0.063 χ^2 /NDF: 3309974859.4/16

Left Out: 147941.449 $\pm$ 0.211 χ^2 /NDF:0.0/0

Right Out: 151056.044 $\pm$ 0.059 χ^2 /NDF: 3325519080.9/19

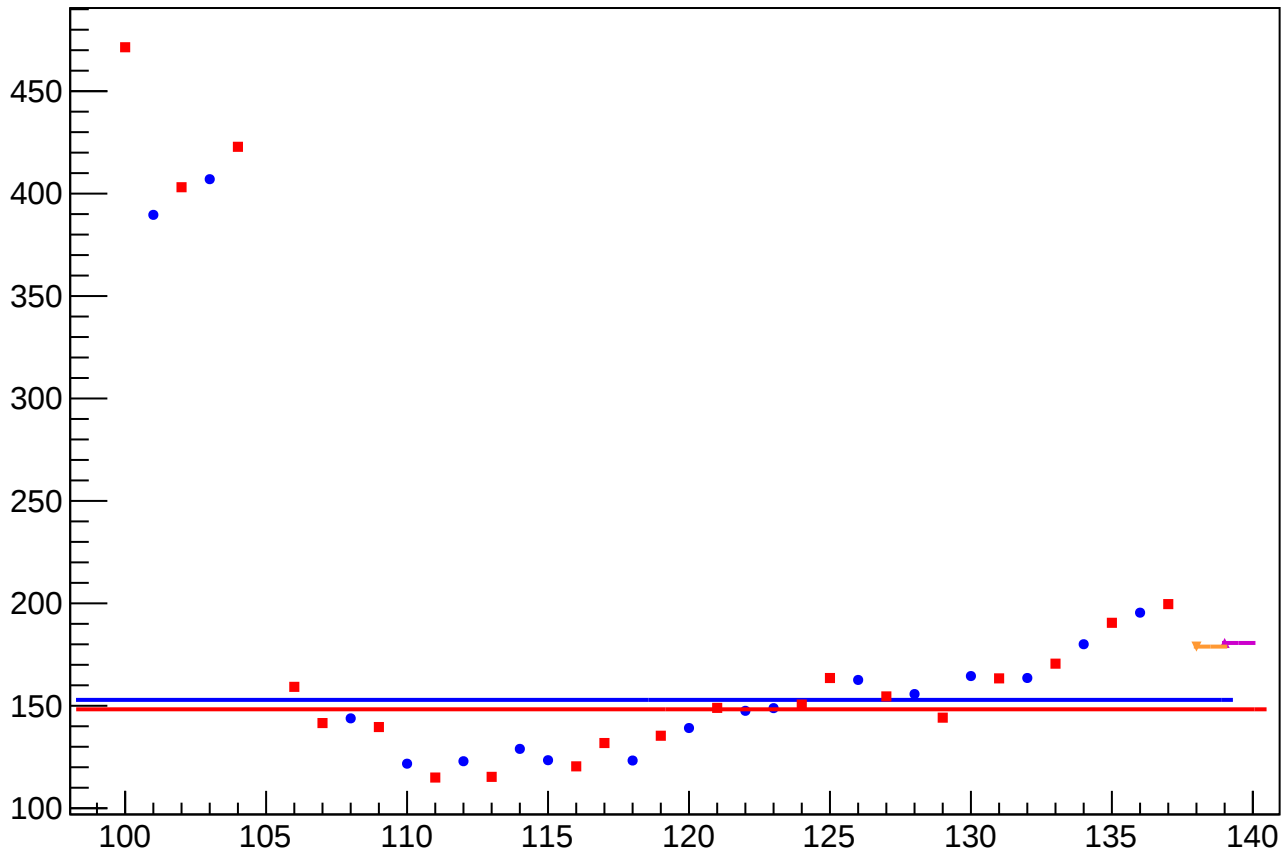
Left In: 148157.190 $\pm$ 0.220 χ^2 /NDF:0.0/0

150452.040 $\pm$ 0.060 χ^2 /NDF: 3463739937.3/17

150665.424 $\pm$ 0.042 χ^2 /NDF: 697525775

150858.376 $\pm$ 0.057 χ^2 /NDF: 3487702687.2/20

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 152.883 $\pm$ 0.045 χ^2 /NDF: 1154088.7/16

Left Out: 178.888 $\pm$ 0.149 χ^2 /NDF: 0.0/0

Right Out: 148.278 $\pm$ 0.042 χ^2 /NDF: 1192879.8/19

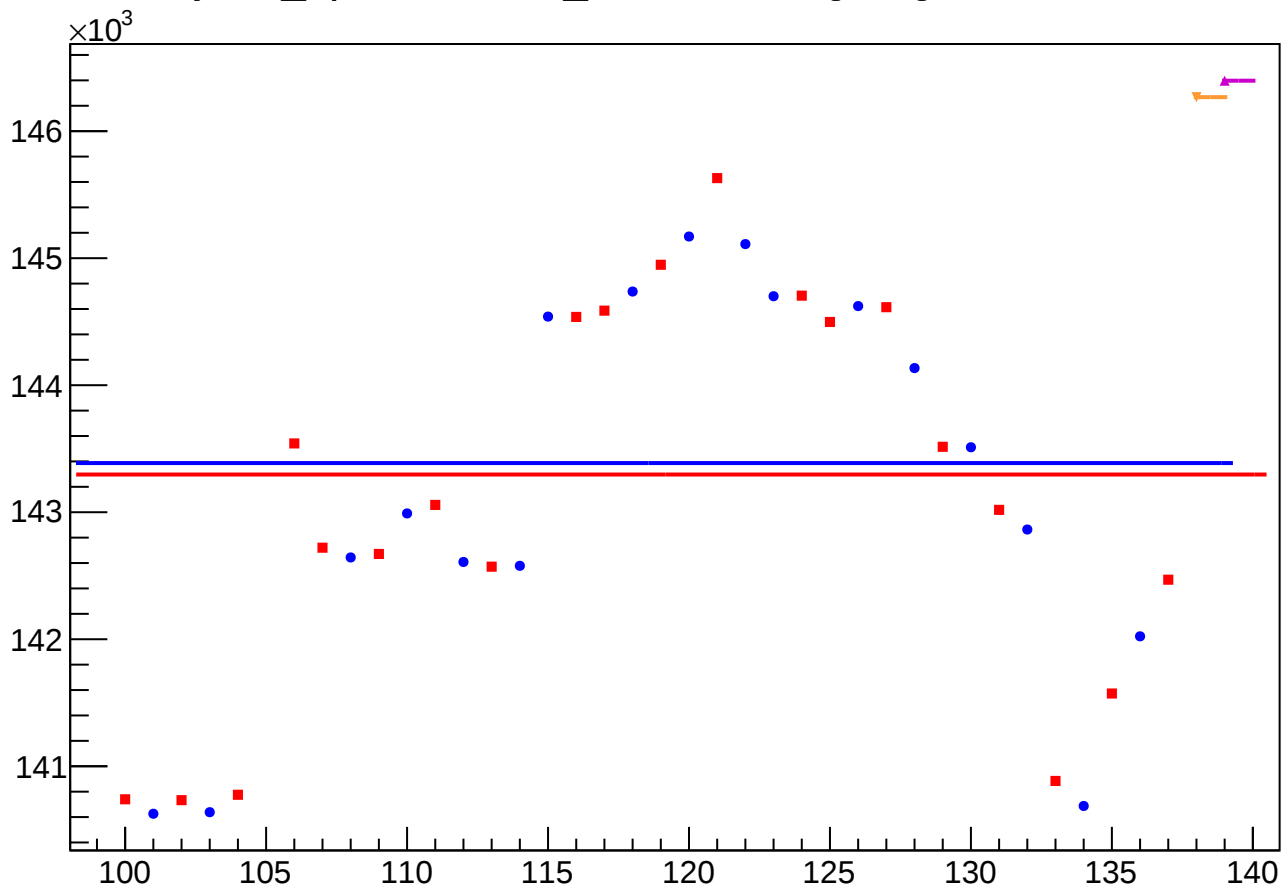
Left In: 180.667 $\pm$ 0.155 χ^2 /NDF: 0.0/0

155.004 $\pm$ 0.043 χ^2 /NDF: 1181921.1/17

152.632 $\pm$ 0.029 χ^2 /NDF: 2421180.5/38

150.487 $\pm$ 0.041 χ^2 /NDF: 1233371.8/20

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 143387.099 $\pm$ 0.053 χ^2 /NDF: 521299875.7/16

Left Out: 146267.803 $\pm$ 0.211 χ^2 /NDF: 0.0/0

Right Out: 143296.790 $\pm$ 0.049 χ^2 /NDF: 615134284.0/19

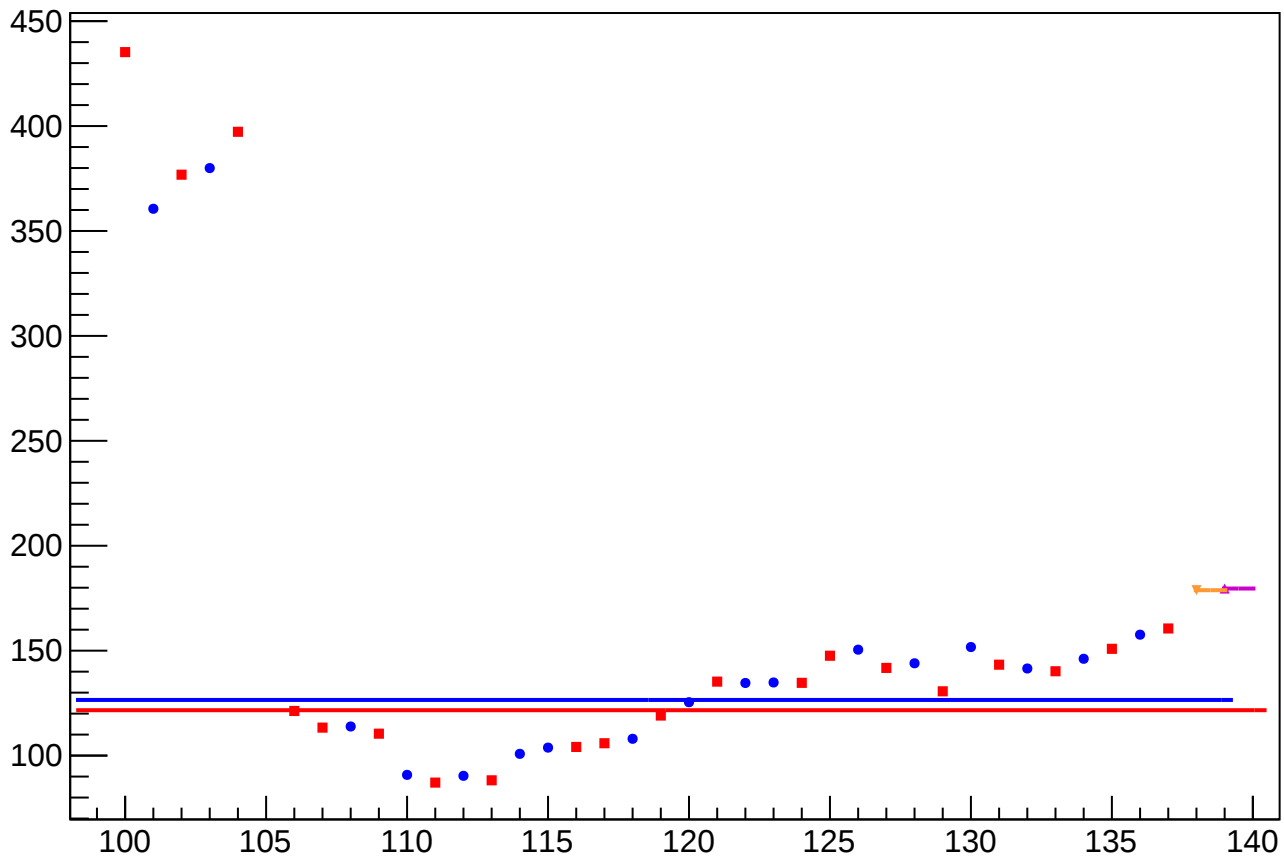
Left In: 146397.360 $\pm$ 0.218 χ^2 /NDF: 0.0/0

143556.314 $\pm$ 0.051 χ^2 /NDF: 696656215.5/17

143496.604 $\pm$ 0.035 χ^2 /NDF: 150632947

143444.695 $\pm$ 0.048 χ^2 /NDF: 807126086.9/20

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 126.514 $\pm$ 0.037 χ^2 /NDF: 1441685.0/16

Left Out: 178.815 $\pm$ 0.149 χ^2 /NDF: 0.0/0

Right Out: 121.625 $\pm$ 0.035 χ^2 /NDF: 1465763.8/19

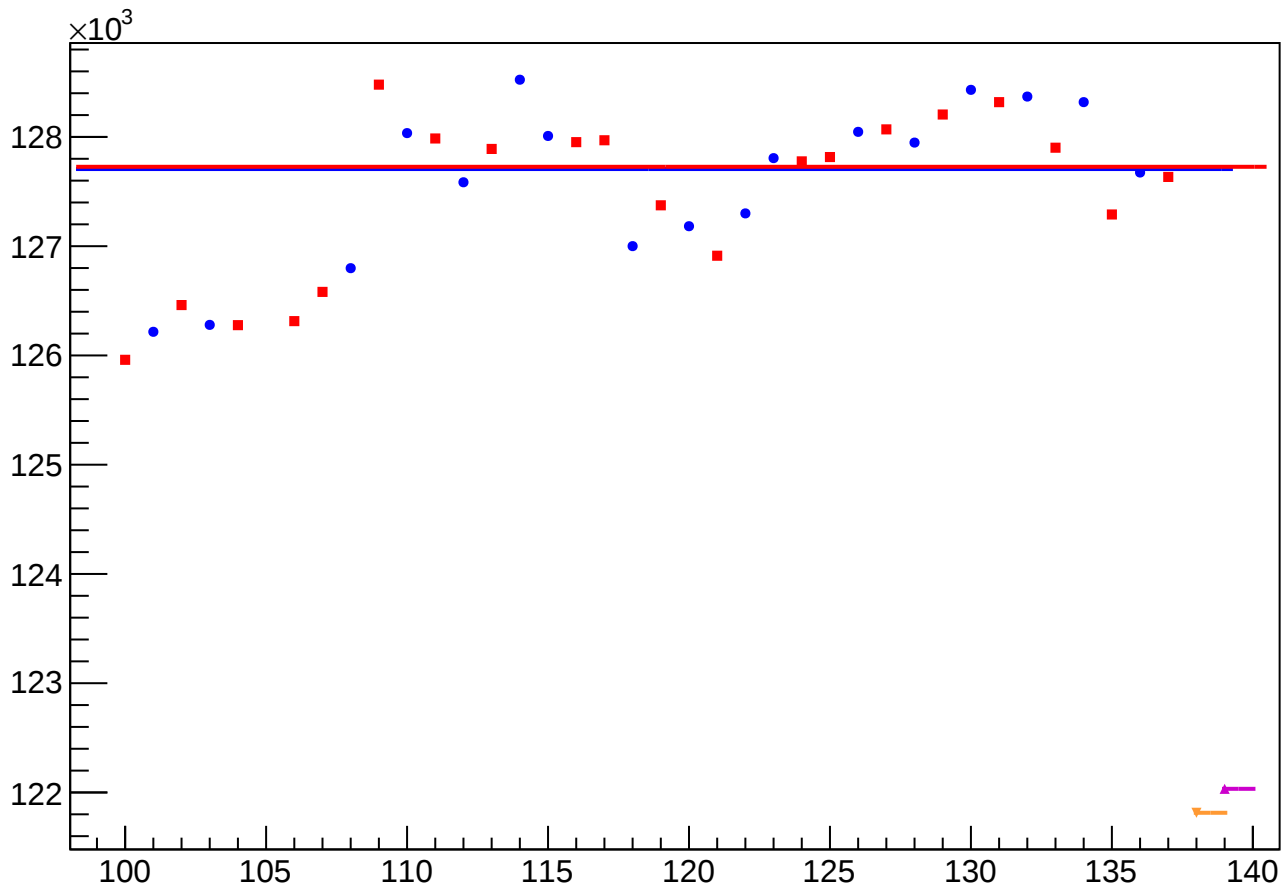
Left In: 179.612 $\pm$ 0.154 χ^2 /NDF: 0.0/0

129.586 $\pm$ 0.036 χ^2 /NDF: 1557290.1/17

126.807 $\pm$ 0.025 χ^2 /NDF: 3168390.2/38

124.391 $\pm$ 0.034 χ^2 /NDF: 1600065.9/20

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127706.194 $\pm$ 0.058 χ^2 /NDF: 97860521.1/16

Left Out: 121814.068 $\pm$ 0.180 χ^2 /NDF: 0.0/0

Right Out: 127726.708 $\pm$ 0.054 χ^2 /NDF: 112816704.3/19

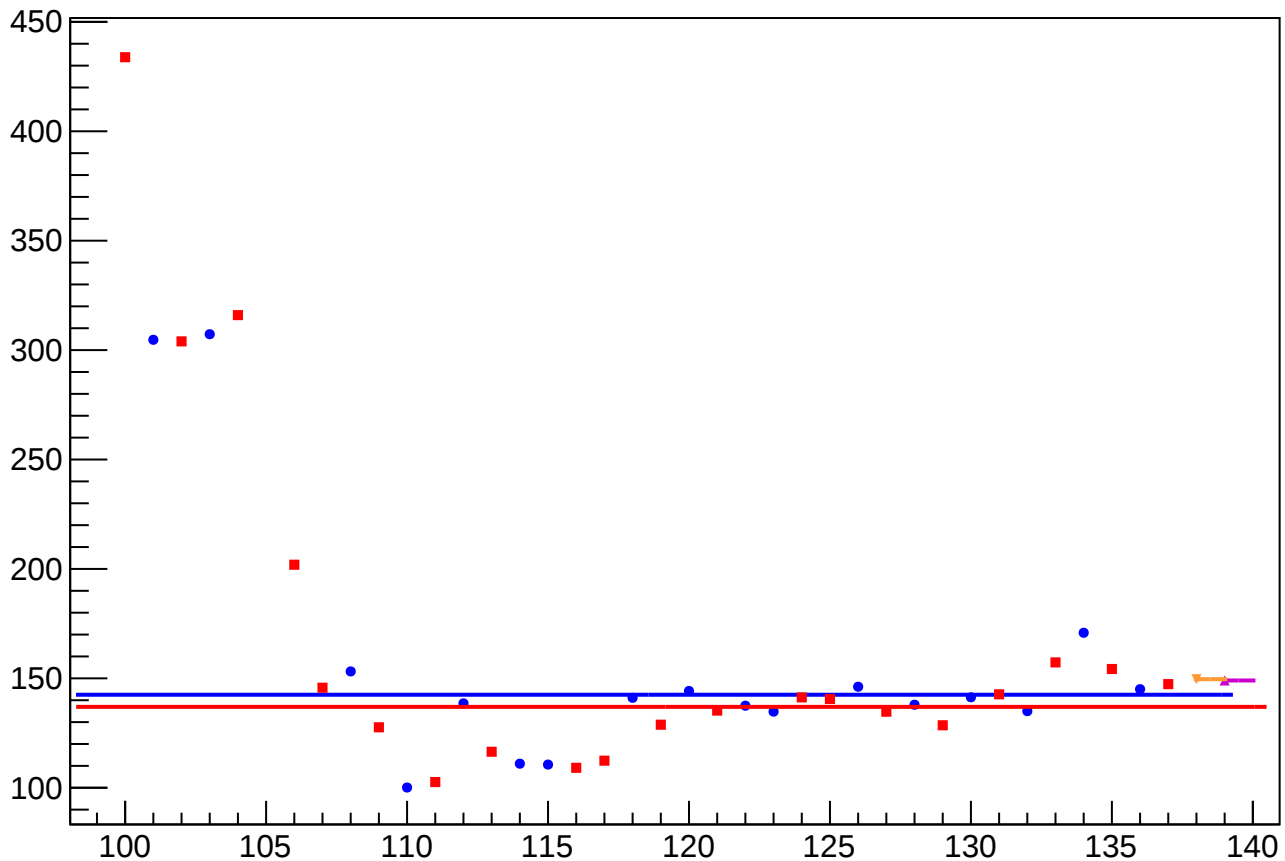
Left In: 122033.336 $\pm$ 0.182 χ^2 /NDF: 0.0/0

127149.012 $\pm$ 0.055 χ^2 /NDF: 1071785915.3/17

127208.785 $\pm$ 0.038 χ^2 /NDF: 208620855

127261.722 $\pm$ 0.052 χ^2 /NDF: 1012215343.9/20

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.502 $\pm$ 0.041 χ^2 /NDF: 836263.7/16

Left Out: 149.603 $\pm$ 0.127 χ^2 /NDF: 0.0/0

Right Out: 136.963 $\pm$ 0.038 χ^2 /NDF: 961465.0/19

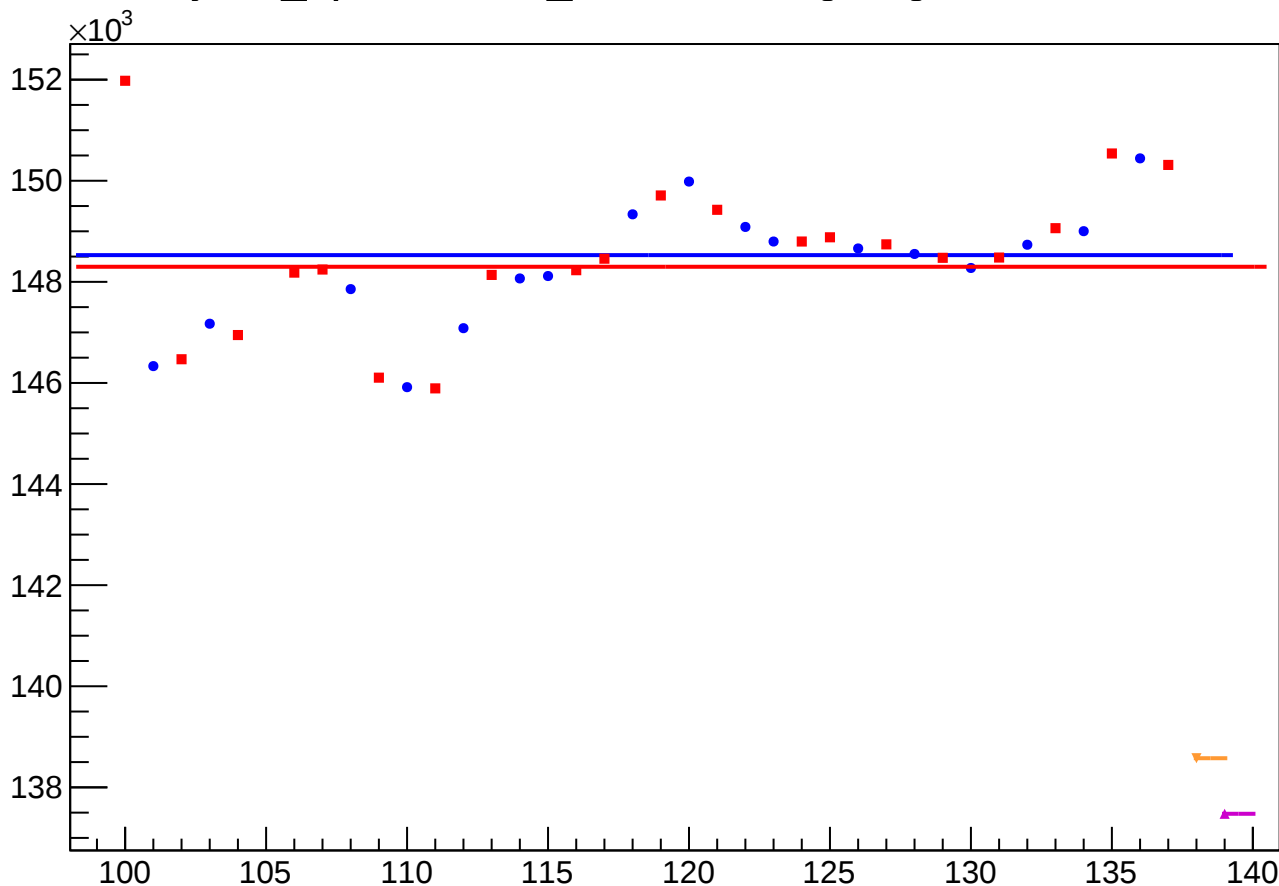
Left In: 149.022 $\pm$ 0.129 χ^2 /NDF: 0.0/0

143.173 $\pm$ 0.039 χ^2 /NDF: 839093.4/17

140.402 $\pm$ 0.027 χ^2 /NDF: 1818116.1/38

137.948 $\pm$ 0.037 χ^2 /NDF: 969535.1/20

yield_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 148528.851 $\pm$ 0.082 χ^2 /NDF: 209986594.2/16

Left Out: 138576.516 $\pm$ 0.277 χ^2 /NDF: 0.0/0

Right Out: 148298.586 $\pm$ 0.076 χ^2 /NDF: 293284830.9/19

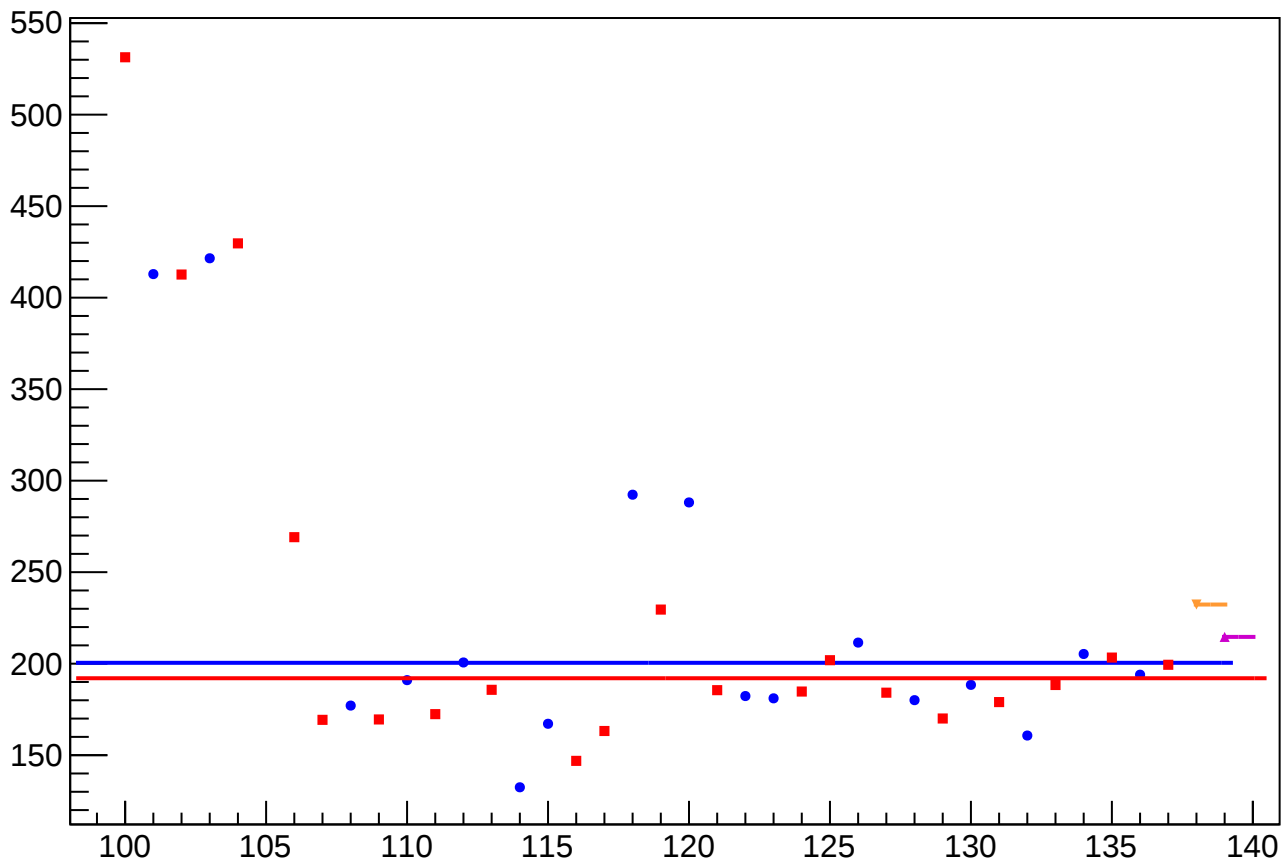
Left In: 137477.302 $\pm$ 0.261 χ^2 /NDF: 0.0/0

147724.620 $\pm$ 0.079 χ^2 /NDF: 1398295084.7/17

147579.443 $\pm$ 0.054 χ^2 /NDF: 327691920

147454.362 $\pm$ 0.073 χ^2 /NDF: 1872286989.4/20

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 200.472 $\pm$ 0.058 χ^2 /NDF: 936547.2/16

Left Out: 232.316 $\pm$ 0.196 χ^2 /NDF: 0.0/0

Right Out: 192.040 $\pm$ 0.054 χ^2 /NDF: 847133.0/19

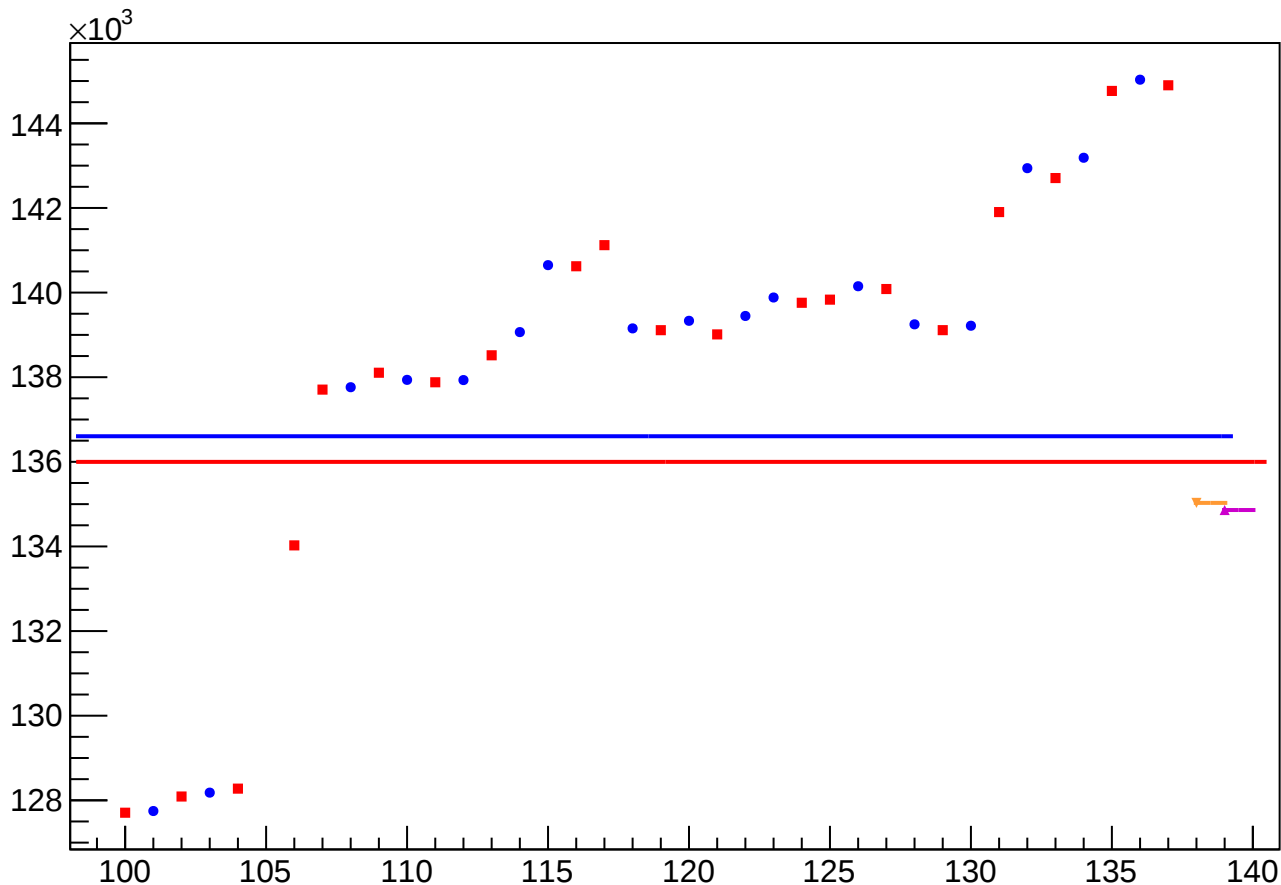
Left In: 214.631 $\pm$ 0.185 χ^2 /NDF: 0.0/0

203.045 $\pm$ 0.056 χ^2 /NDF: 960878.7/17

198.080 $\pm$ 0.038 χ^2 /NDF: 1836598.6/38

193.803 $\pm$ 0.052 χ^2 /NDF: 860896.0/20

yield_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16

Left Out: 135029.475 $\pm$ 0.587 χ^2 /NDF: 0.0/0

Right Out: 135998.851 $\pm$ 0.182 χ^2 /NDF: 1084895879.4/19

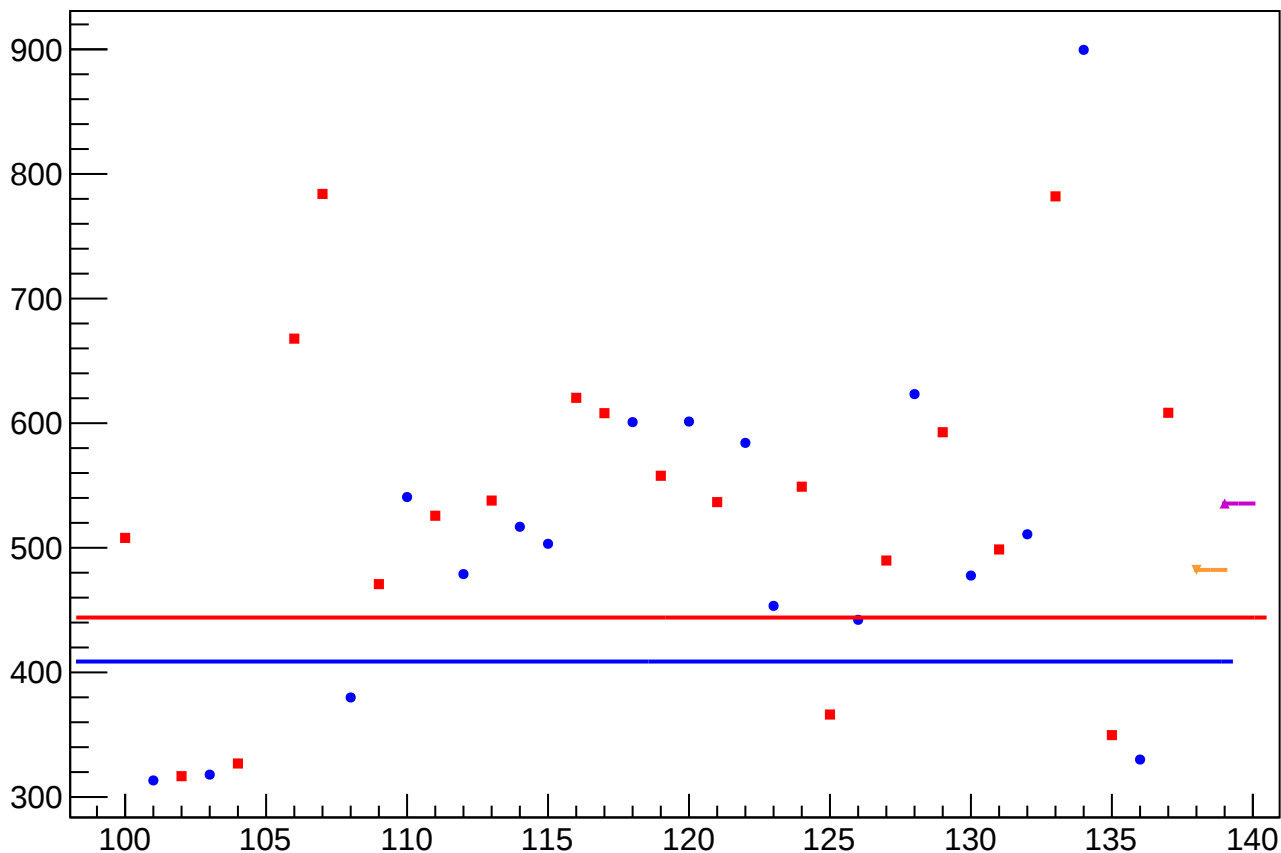
Left In: 134860.963 $\pm$ 0.744 χ^2 /NDF: 0.0/0

136480.863 $\pm$ 0.165 χ^2 /NDF: 1500987694.3/17

136227.675 $\pm$ 0.121 χ^2 /NDF: 259320173

135934.288 $\pm$ 0.177 χ^2 /NDF: 1087104106.8/20

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 408.729+/-0.121 χ^2/NDF : 823262.8/16

Left Out: 482.234+/-0.415 χ^2/NDF : 0.0/0

Right Out: 444.034+/-0.129 χ^2/NDF : 922545.8/19

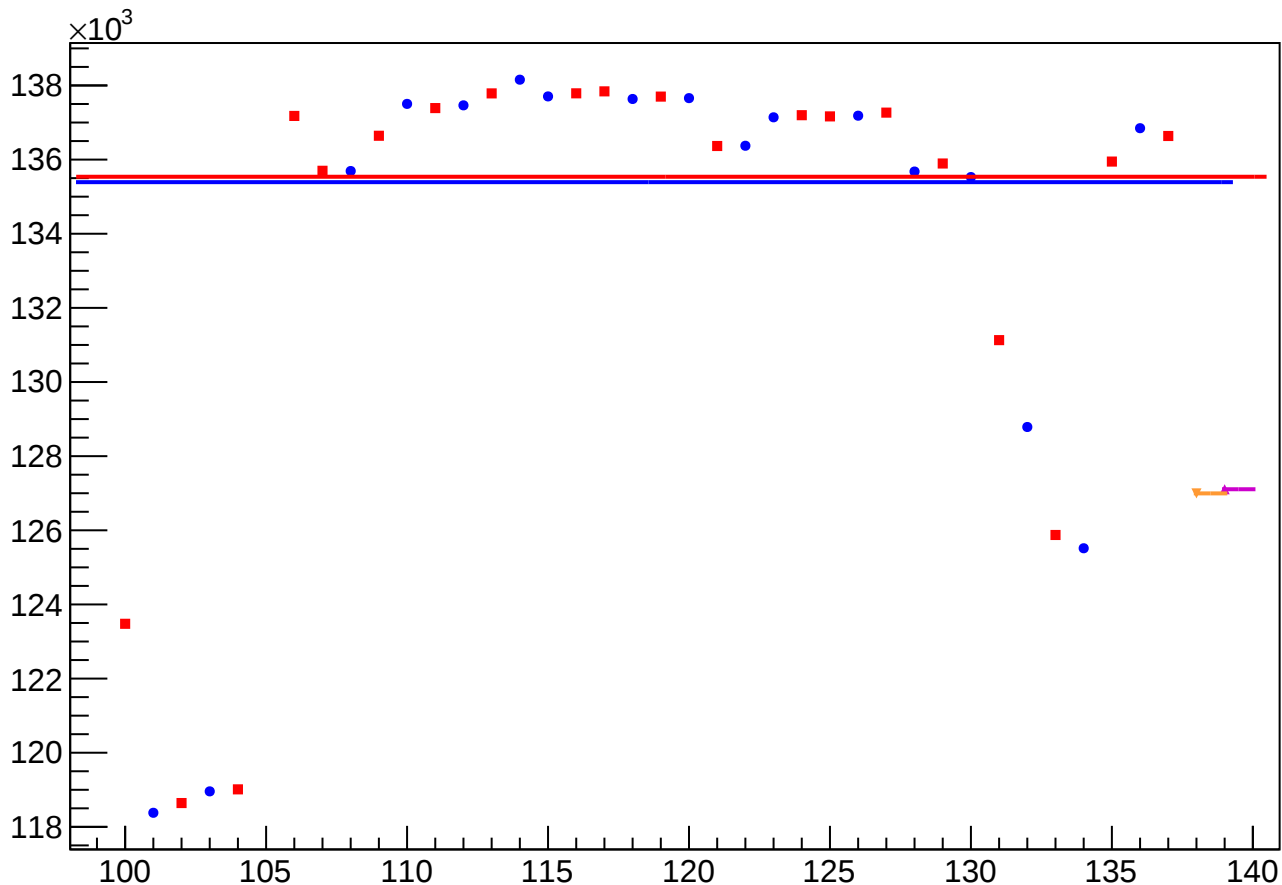
Left In: 535.520+/-0.526 χ^2/NDF : 0.0/0

414.505+/-0.116 χ^2/NDF : 852151.4/17

430.588+/-0.085 χ^2/NDF : 1844483.3/38

449.225+/-0.125 χ^2/NDF : 951094.2/20

yield_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16

Left Out: 126995.584 $\pm$ 0.192 χ^2 /NDF: 0.0/0

Right Out: 135537.290 $\pm$ 0.064 χ^2 /NDF: 4748951957.4/19

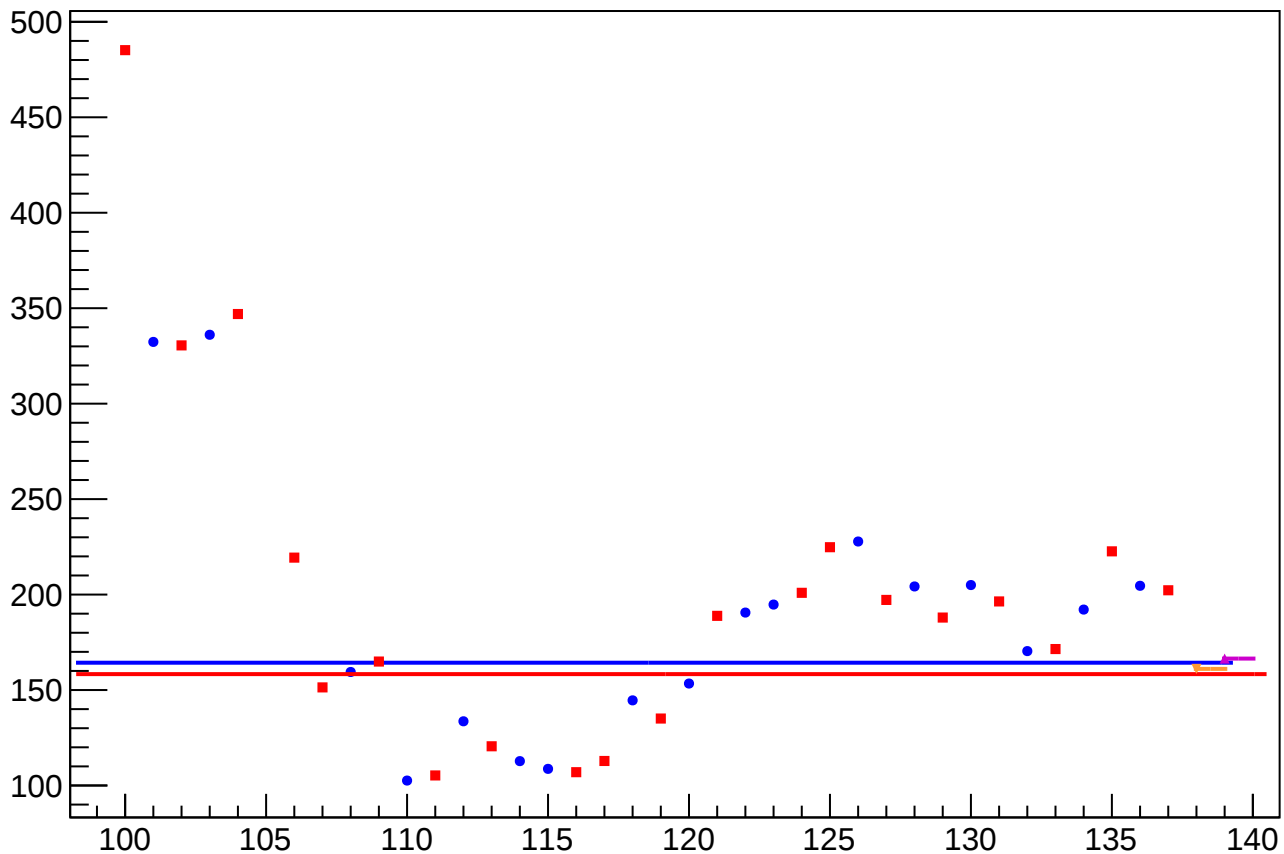
Left In: 127107.521 $\pm$ 0.203 χ^2 /NDF: 0.0/0

134445.765 $\pm$ 0.064 χ^2 /NDF: 6283889195.0/17

134619.050 $\pm$ 0.044 χ^2 /NDF: 126185210

134774.893 $\pm$ 0.061 χ^2 /NDF: 6320839334.5/20

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 164.311+/-0.048 χ^2/NDF : 1230487.8/16

Left Out: 161.081+/-0.135 χ^2/NDF : 0.0/0

Right Out: 158.336+/-0.045 χ^2/NDF : 1398323.7/19

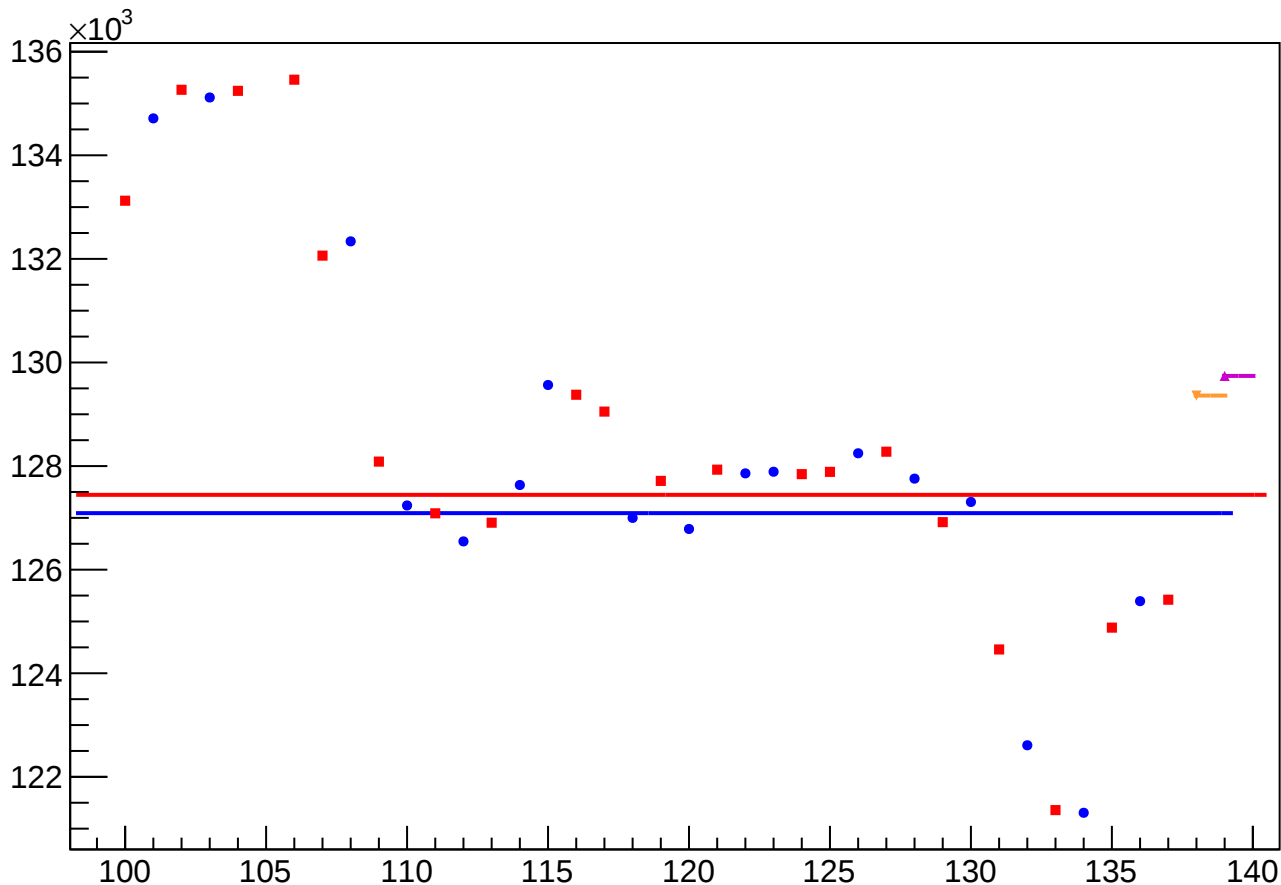
Left In: 166.474+/-0.143 χ^2/NDF : 0.0/0

163.947+/-0.045 χ^2/NDF : 1230992.2/17

161.381+/-0.031 χ^2/NDF : 2638297.2/38

159.072+/-0.043 χ^2/NDF : 1401253.1/20

yield_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 127091.500 $\pm$ 0.066 χ^2 /NDF: 1717208780.6/16

Left Out: 129361.516 $\pm$ 0.189 χ^2 /NDF: 0.0/0

Right Out: 127444.472 $\pm$ 0.061 χ^2 /NDF: 2082646787.7/19

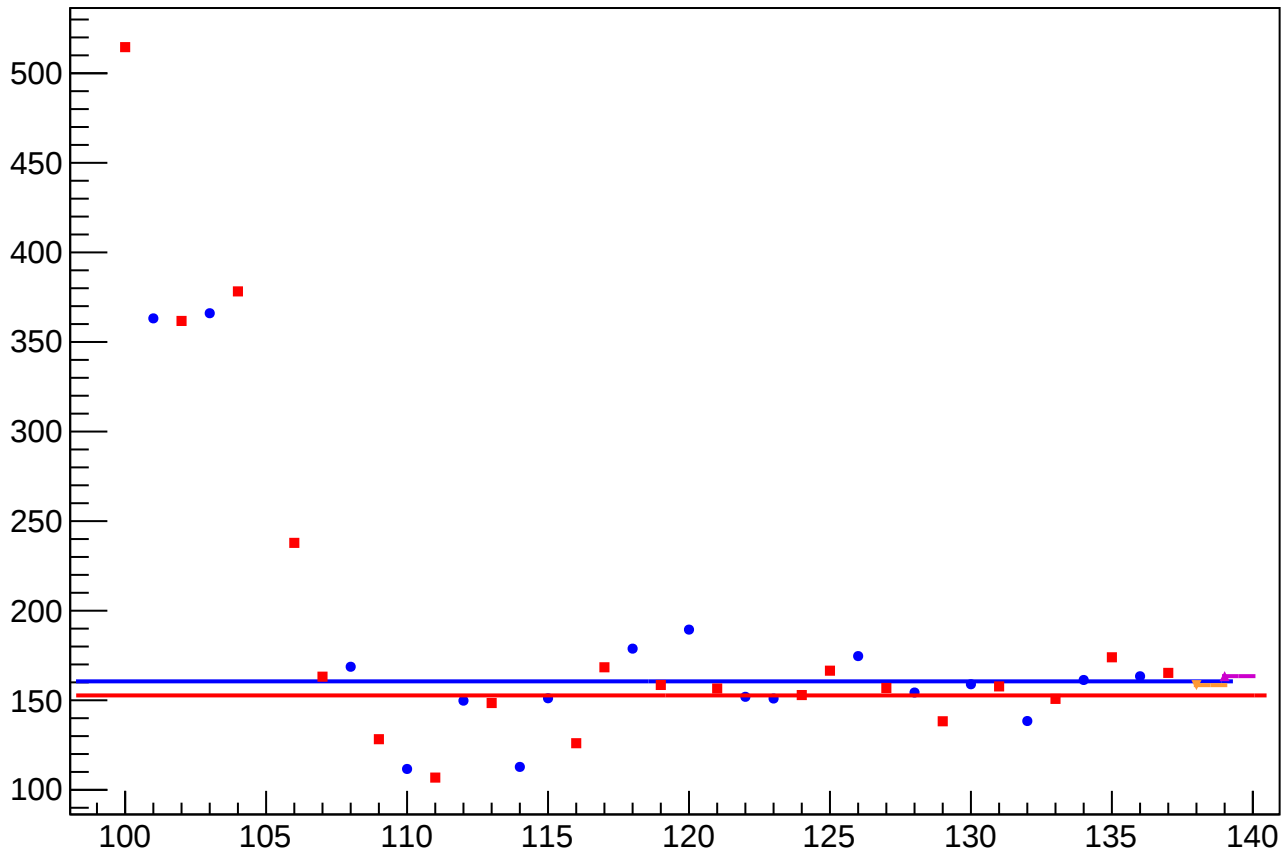
Left In: 129740.614 $\pm$ 0.199 χ^2 /NDF: 0.0/0

127340.554 $\pm$ 0.063 χ^2 /NDF: 1845811349.7/17

127501.805 $\pm$ 0.043 χ^2 /NDF: 406227815

127643.591 $\pm$ 0.059 χ^2 /NDF: 2203981584.6/20

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 160.564+/-0.047 χ^2/NDF : 942747.0/16

Left Out: 158.444+/-0.134 χ^2/NDF : 0.0/0

Right Out: 152.711+/-0.043 χ^2/NDF : 1087186.3/19

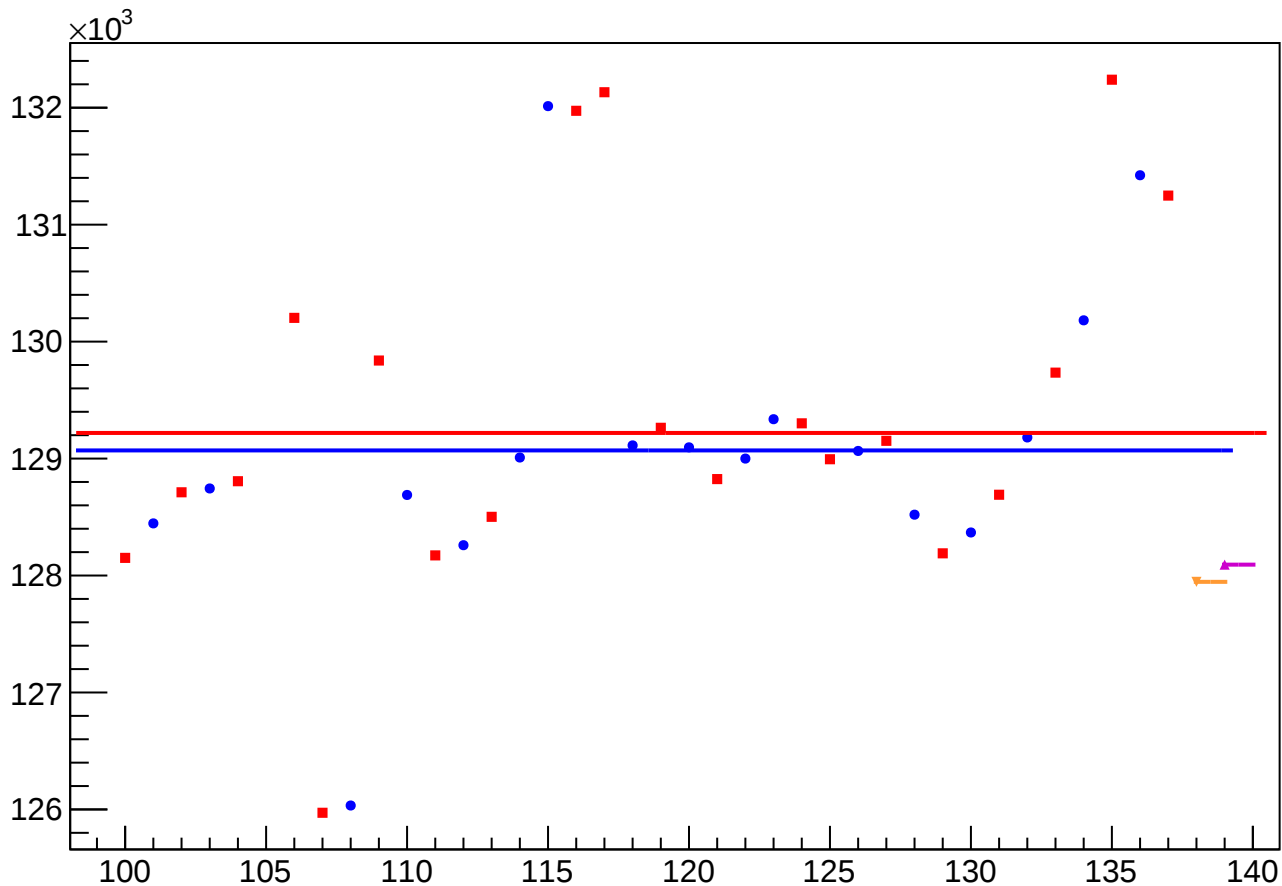
Left In: 163.474+/-0.141 χ^2/NDF : 0.0/0

160.331+/-0.044 χ^2/NDF : 942971.3/17

156.773+/-0.030 χ^2/NDF : 2047650.9/38

153.644+/-0.041 χ^2/NDF : 1092518.4/20

yield_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: 129069.668 $\pm$ 0.060 χ^2 /NDF: 476692316.5/16

Left Out: 127945.942 $\pm$ 0.180 χ^2 /NDF: 0.0/0

Right Out: 129219.072 $\pm$ 0.056 χ^2 /NDF: 660468184.1/19

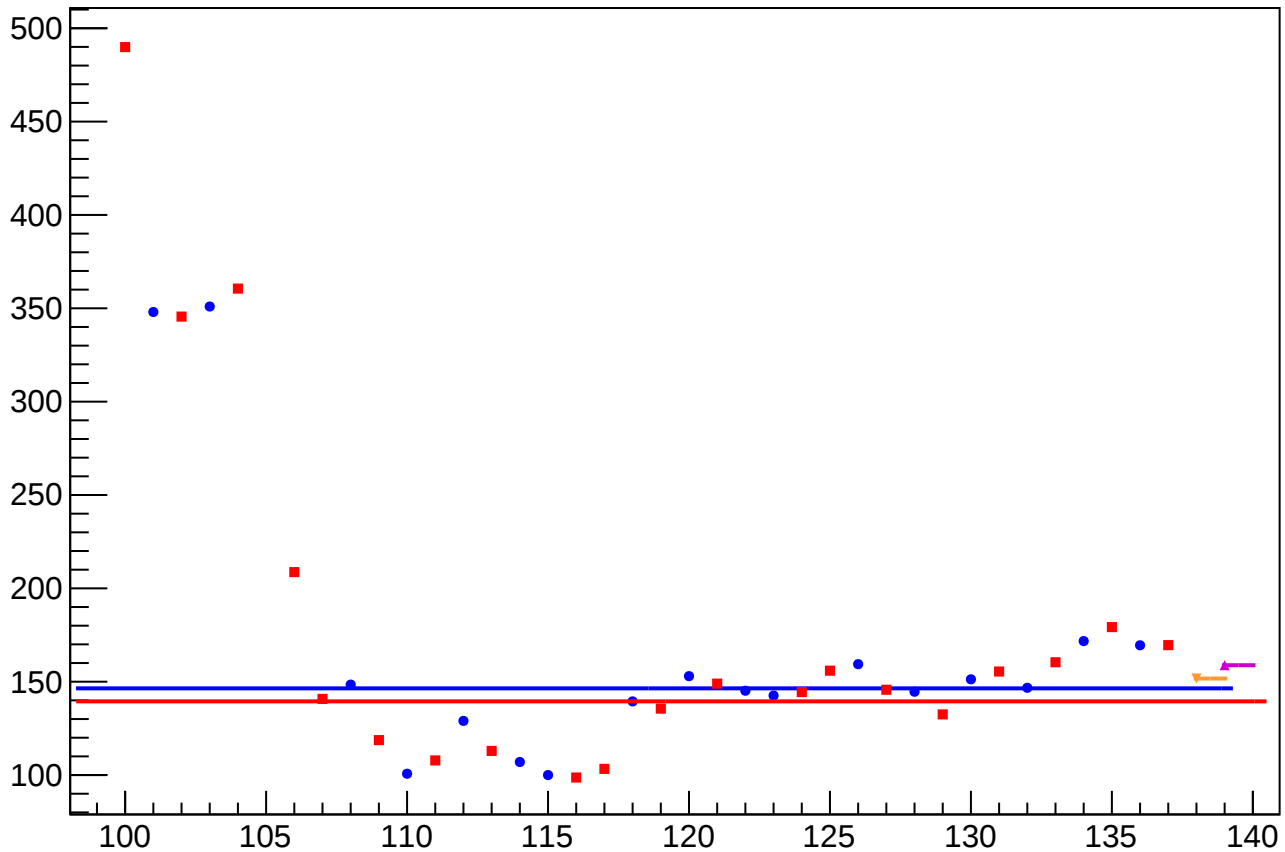
Left In: 128093.056 $\pm$ 0.193 χ^2 /NDF: 0.0/0

128956.613 $\pm$ 0.057 χ^2 /NDF: 511782732.9/17

129050.230 $\pm$ 0.039 χ^2 /NDF: 120862169

129132.694 $\pm$ 0.054 χ^2 /NDF: 691776585.5/20

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 146.437+/-0.043 χ^2/NDF : 1064791.0/16

Left Out: 151.700+/-0.127 χ^2/NDF : 0.0/0

Right Out: 139.468+/-0.039 χ^2/NDF : 1214310.8/19

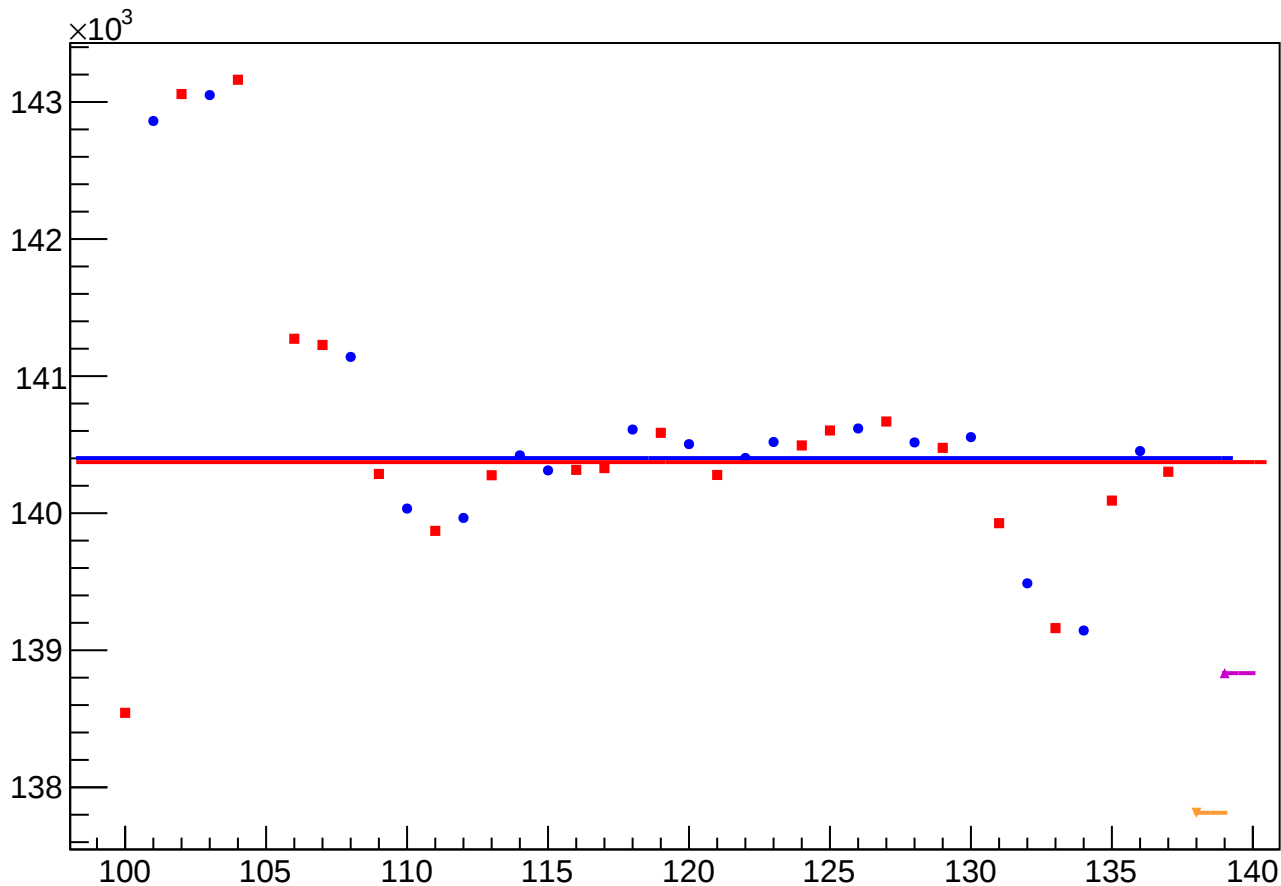
Left In: 158.829+/-0.137 χ^2/NDF : 0.0/0

146.967+/-0.040 χ^2/NDF : 1066330.5/17

143.769+/-0.028 χ^2/NDF : 2310965.3/38

140.953+/-0.038 χ^2/NDF : 1232823.6/20

yield_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 140402.010 $\pm$ 0.064 χ^2 /NDF: 88071774.7/16

Left Out: 137814.314 $\pm$ 0.210 χ^2 /NDF: 0.0/0

Right Out: 140372.636 $\pm$ 0.059 χ^2 /NDF: 99861038.9/19

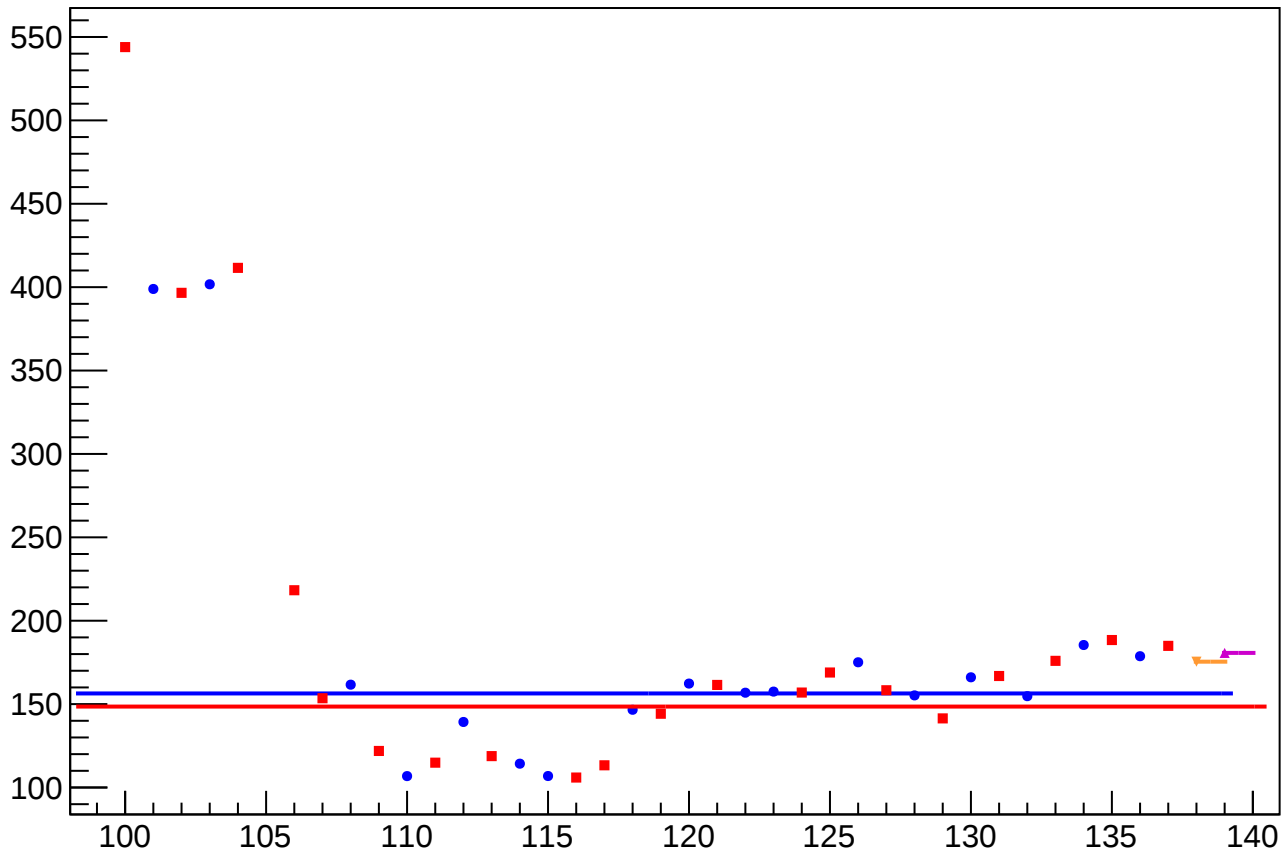
Left In: 138832.941 $\pm$ 0.220 χ^2 /NDF: 0.0/0

140179.113 $\pm$ 0.062 χ^2 /NDF: 227371526.7/17

140226.618 $\pm$ 0.042 χ^2 /NDF: 373852512

140268.034 $\pm$ 0.057 χ^2 /NDF: 145364628.6/20

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 156.394 $\pm$ 0.046 χ^2 /NDF: 1154804.2/16

Left Out: 175.439 $\pm$ 0.148 χ^2 /NDF: 0.0/0

Right Out: 148.524 $\pm$ 0.042 χ^2 /NDF: 1316113.9/19

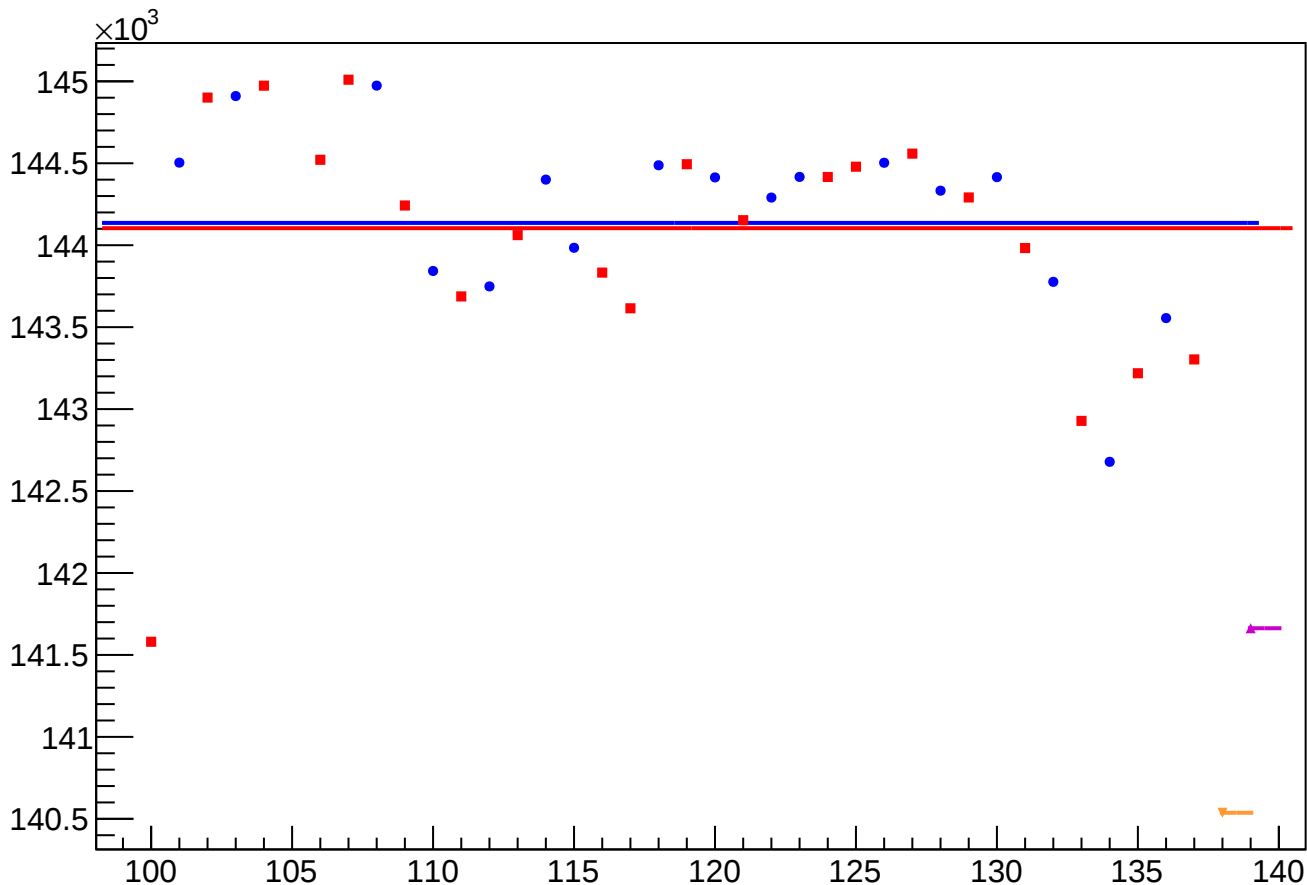
Left In: 180.700 $\pm$ 0.156 χ^2 /NDF: 0.0/0

158.034 $\pm$ 0.043 χ^2 /NDF: 1169895.6/17

154.121 $\pm$ 0.030 χ^2 /NDF: 2540901.0/38

150.710 $\pm$ 0.041 χ^2 /NDF: 1355858.3/20

yield_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: 144136.118 $\pm$ 0.067 χ^2 /NDF: 47069480.3/16

Left Out: 140536.995 $\pm$ 0.210 χ^2 /NDF: 0.0/0

143805.918 $\pm$ 0.064 χ^2 /NDF: 313644791.9/17

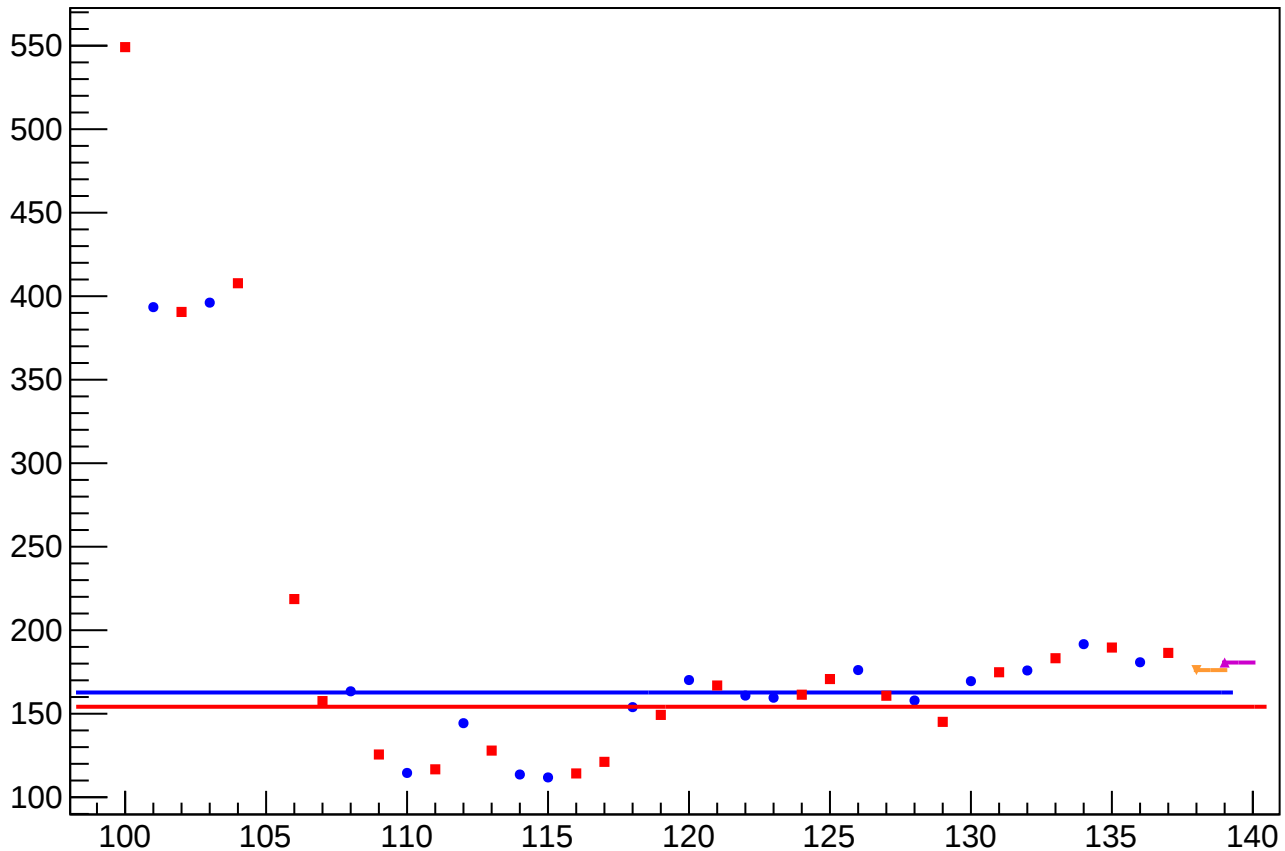
Right Out: 144103.887 $\pm$ 0.062 χ^2 /NDF: 65973087.5/19

143870.676 $\pm$ 0.043 χ^2 /NDF: 495755024

143926.818 $\pm$ 0.059 χ^2 /NDF: 180176648.6/20

Left In: 141662.800 $\pm$ 0.220 χ^2 /NDF: 0.0/0

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 162.714 $\pm$ 0.047 χ^2 /NDF: 1066482.0/16

Left Out: 176.116 $\pm$ 0.149 χ^2 /NDF: 0.0/0

Right Out: 154.174 $\pm$ 0.044 χ^2 /NDF: 1224004.2/19

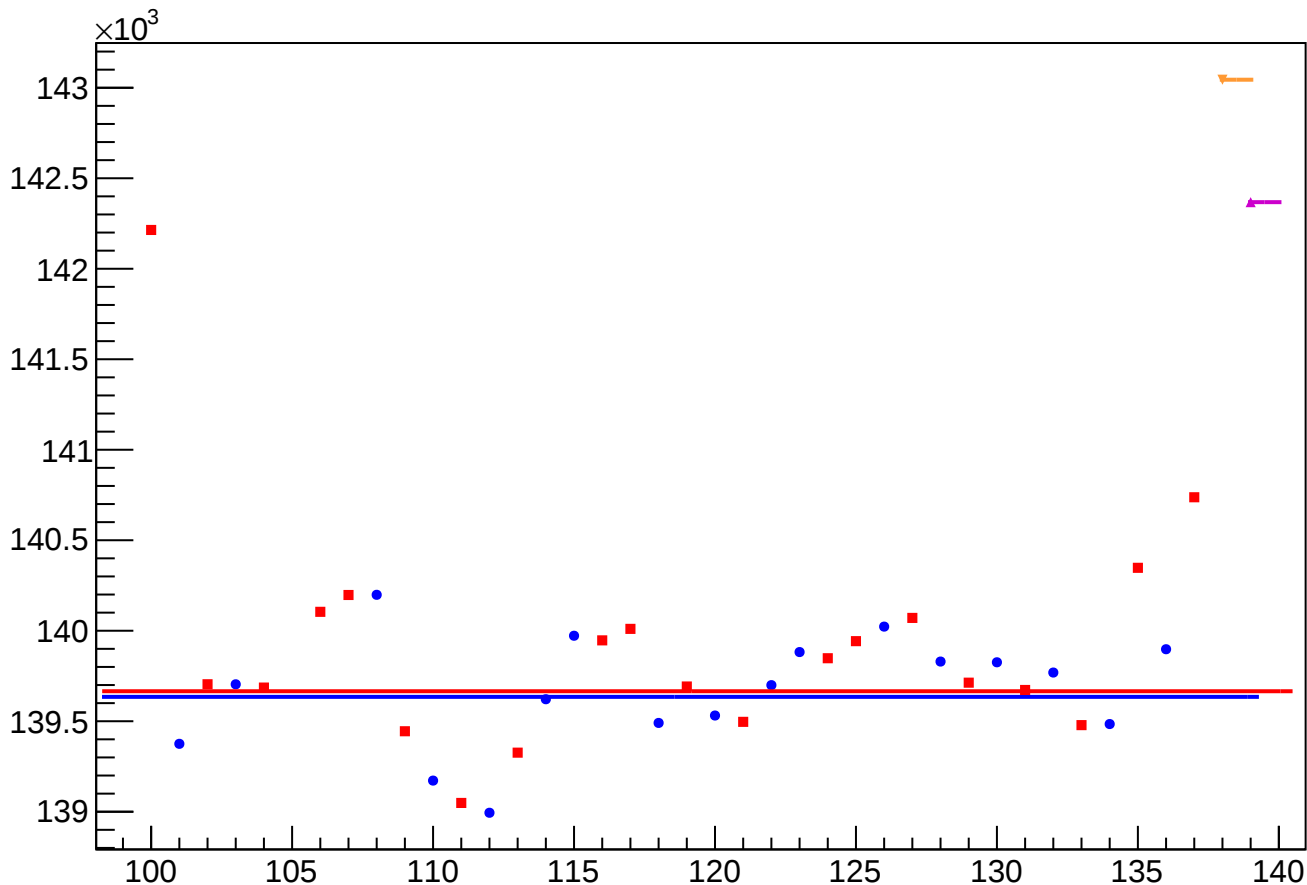
Left In: 180.651 $\pm$ 0.156 χ^2 /NDF: 0.0/0

163.944 $\pm$ 0.045 χ^2 /NDF: 1073874.5/17

159.739 $\pm$ 0.031 χ^2 /NDF: 2341050.9/38

156.094 $\pm$ 0.042 χ^2 /NDF: 1250875.2/20

yield_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: 139634.700 $\pm$ 0.068 χ^2 /NDF: 24844912.0/16

Left Out: 143044.506 $\pm$ 0.216 χ^2 /NDF: 0.0/0

139939.077 $\pm$ 0.065 χ^2 /NDF: 250781581.5/17

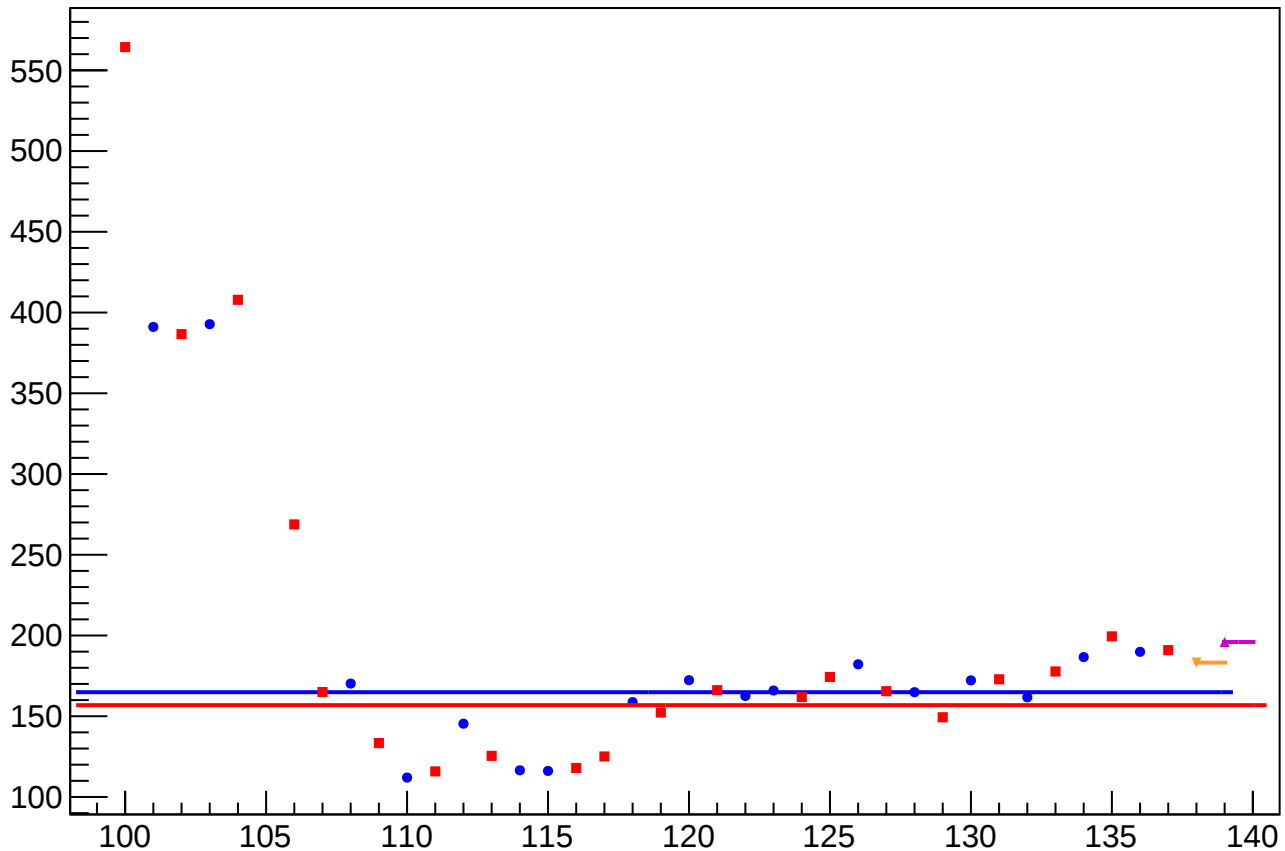
Right Out: 139665.743 $\pm$ 0.063 χ^2 /NDF: 38703726.2/19

139886.365 $\pm$ 0.044 χ^2 /NDF: 410558345

139840.035 $\pm$ 0.061 χ^2 /NDF: 158528843.7/20

Left In: 142367.981 $\pm$ 0.239 χ^2 /NDF: 0.0/0

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 164.884+/-0.048 χ^2/NDF : 1066270.8/16

Left Out: 183.215+/-0.153 χ^2/NDF : 0.0/0

Right Out: 156.859+/-0.044 χ^2/NDF : 1250656.2/19

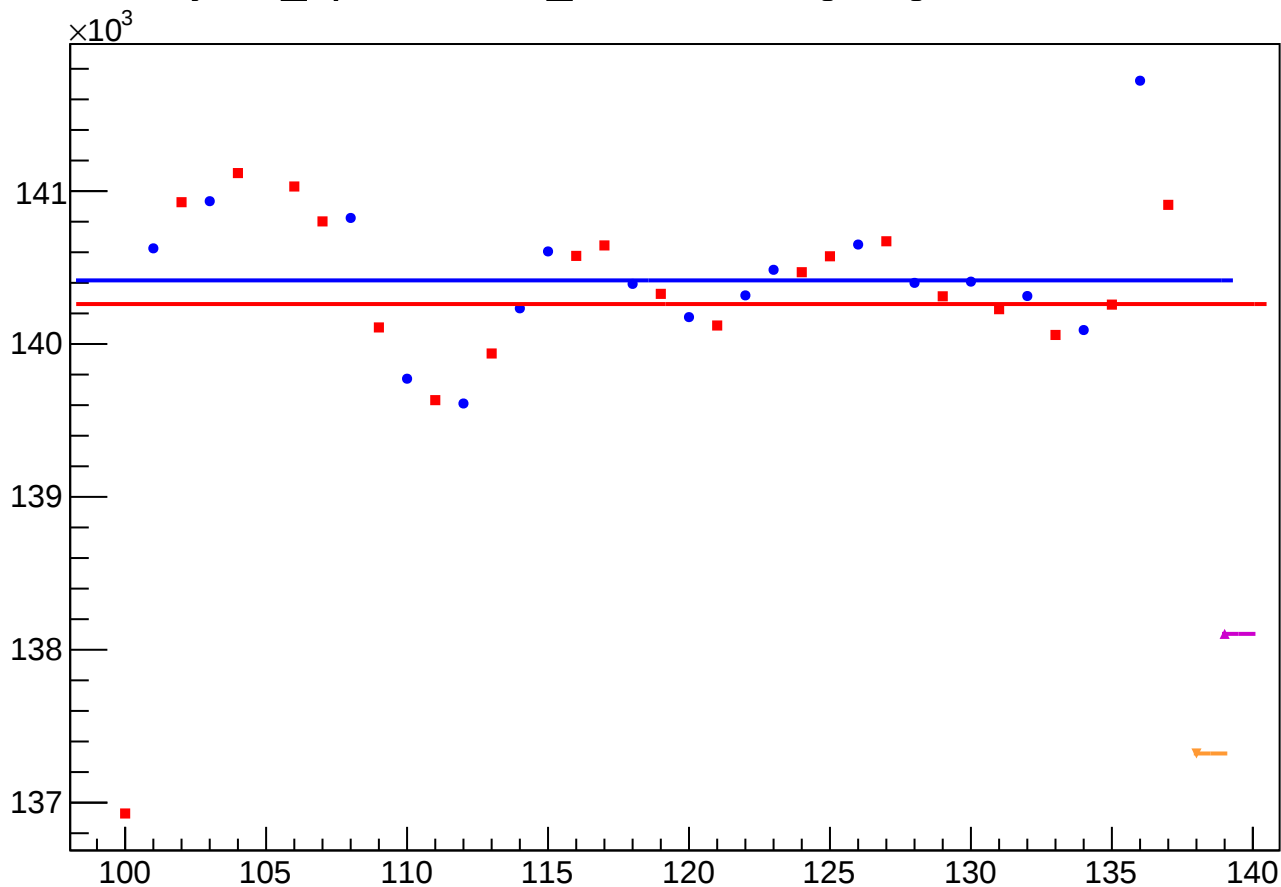
Left In: 195.964+/-0.169 χ^2/NDF : 0.0/0

166.521+/-0.046 χ^2/NDF : 1079329.5/17

162.721+/-0.031 χ^2/NDF : 2393139.3/38

159.382+/-0.043 χ^2/NDF : 1300842.4/20

yield_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 140416.064 $\pm$ 0.068 χ^2 /NDF: 69975821.3/16

Left Out: 137321.602 $\pm$ 0.200 χ^2 /NDF: 0.0/0

140093.209 $\pm$ 0.065 χ^2 /NDF: 283554259.0/17

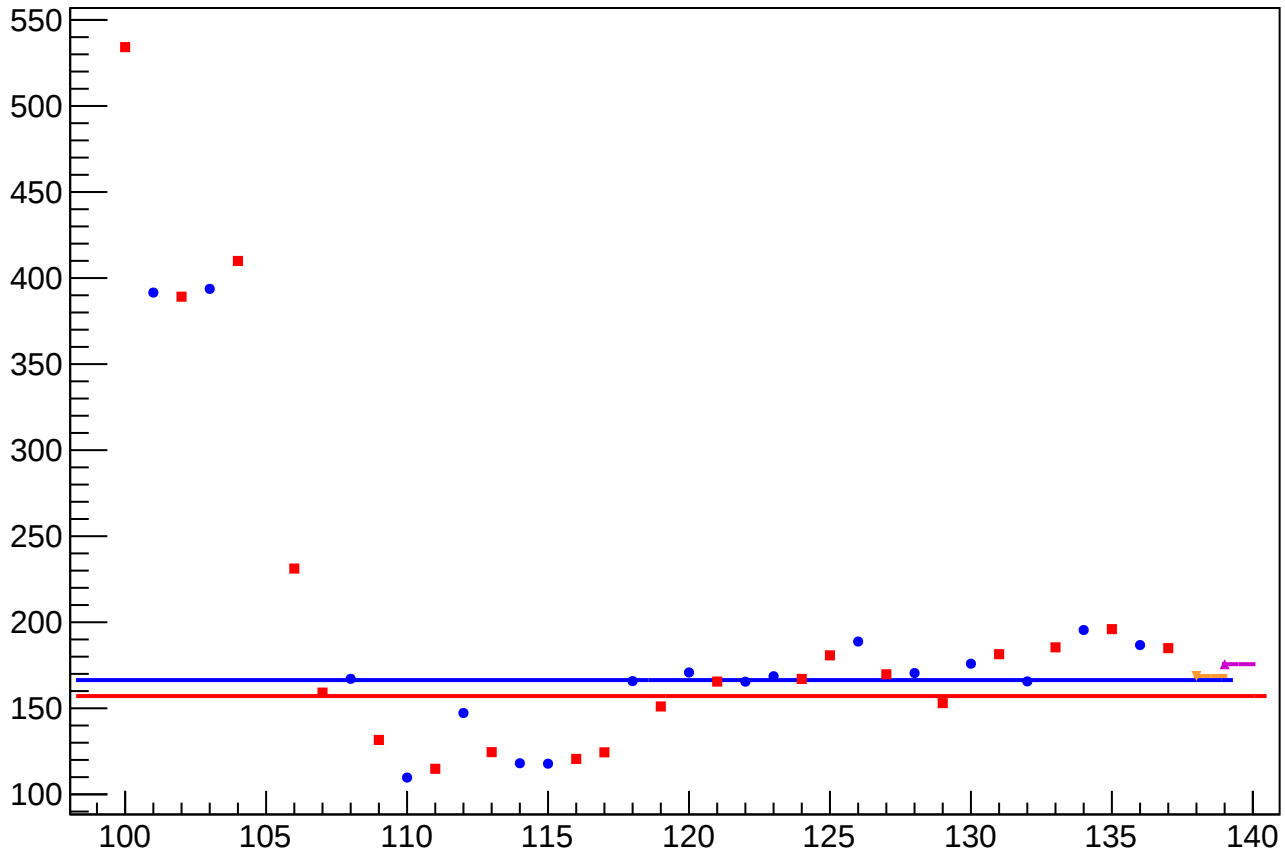
Right Out: 140261.267 $\pm$ 0.063 χ^2 /NDF: 38479140.4/19

140091.490 $\pm$ 0.044 χ^2 /NDF: 415736374

140090.001 $\pm$ 0.060 χ^2 /NDF: 132180800.1/20

Left In: 138103.927 $\pm$ 0.214 χ^2 /NDF: 0.0/0

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 166.388 $\pm$ 0.048 χ^2 /NDF: 1080964.8/16

Left Out: 168.755 $\pm$ 0.142 χ^2 /NDF: 0.0/0

Right Out: 157.110 $\pm$ 0.044 χ^2 /NDF: 1235934.7/19

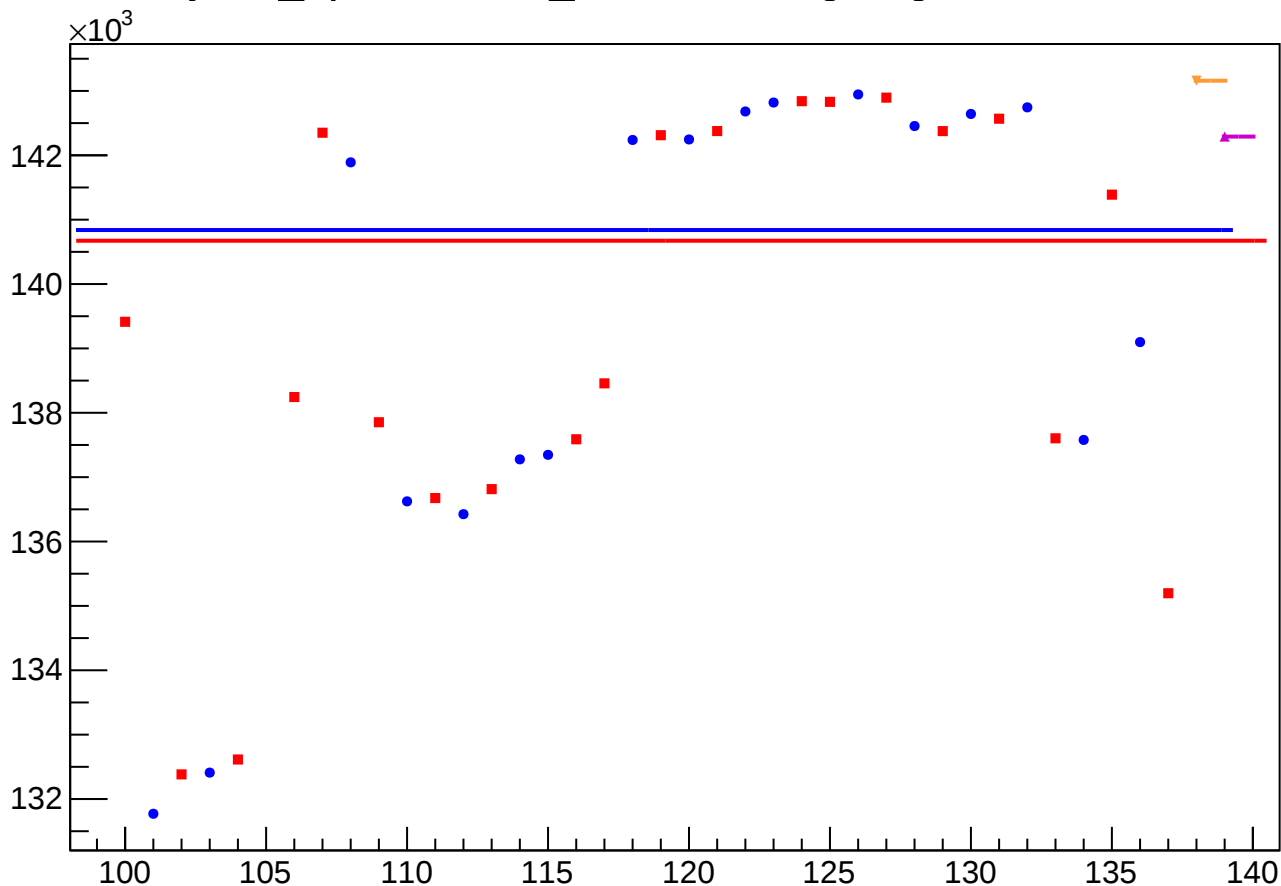
Left In: 175.627 $\pm$ 0.151 χ^2 /NDF: 0.0/0

166.635 $\pm$ 0.046 χ^2 /NDF: 1081214.9/17

162.319 $\pm$ 0.031 χ^2 /NDF: 2347546.4/38

158.580 $\pm$ 0.043 χ^2 /NDF: 1249740.0/20

yield_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 140839.133 $\pm$ 0.100 χ^2 /NDF: 822682996.3/16

Left Out: 143159.045 $\pm$ 0.242 χ^2 /NDF: 0.0/0

Right Out: 140672.898 $\pm$ 0.099 χ^2 /NDF: 841965357.5/19

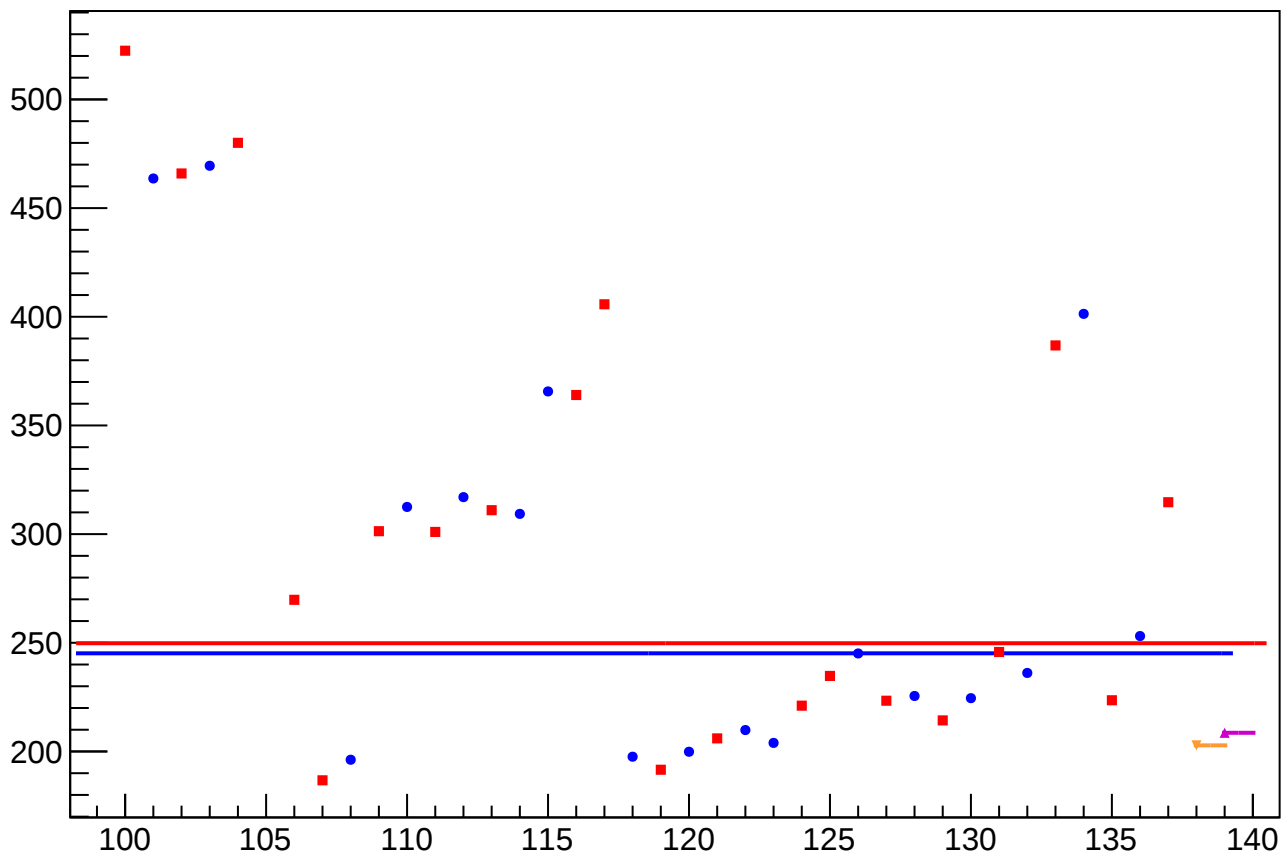
Left In: 142290.917 $\pm$ 0.257 χ^2 /NDF: 0.0/0

141176.765 $\pm$ 0.092 χ^2 /NDF: 900992140.7/17

141028.993 $\pm$ 0.065 χ^2 /NDF: 178250998

140881.449 $\pm$ 0.092 χ^2 /NDF: 876411814.0/20

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 245.159+/-0.071 χ^2/NDF : 869491.6/16

Left Out: 202.811+/-0.171 χ^2/NDF : 0.0/0

Right Out: 249.792+/-0.070 χ^2/NDF : 1022316.0/19

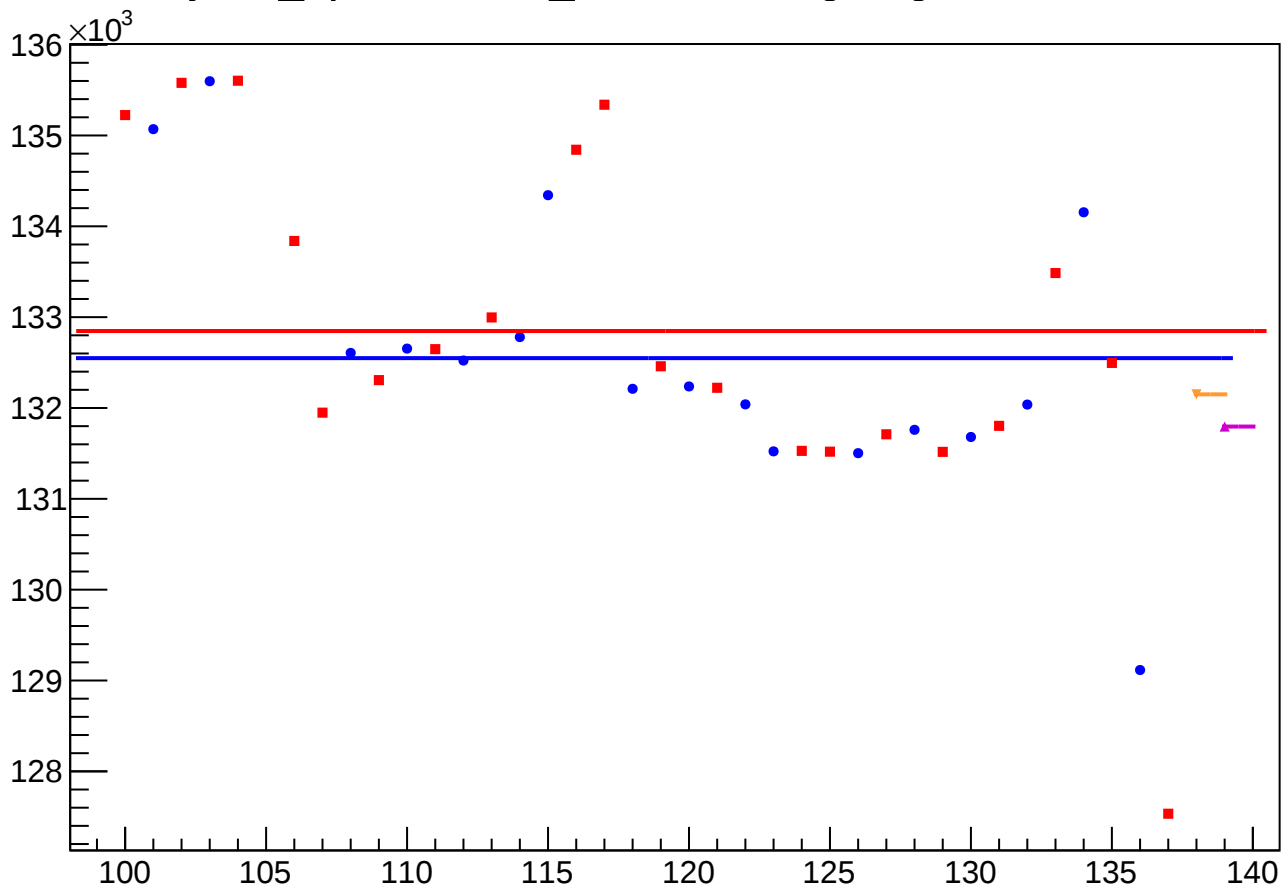
Left In: 208.591+/-0.182 χ^2/NDF : 0.0/0

238.996+/-0.065 χ^2/NDF : 921677.9/17

241.741+/-0.046 χ^2/NDF : 1992188.4/38

244.482+/-0.065 χ^2/NDF : 1066986.6/20

yield_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: 132548.888 $\pm$ 0.119 χ^2 /NDF: 161115079.9/16

Left Out: 132150.252 $\pm$ 0.215 χ^2 /NDF: 0.0/0

Right Out: 132847.502 $\pm$ 0.107 χ^2 /NDF: 151618589.4/19

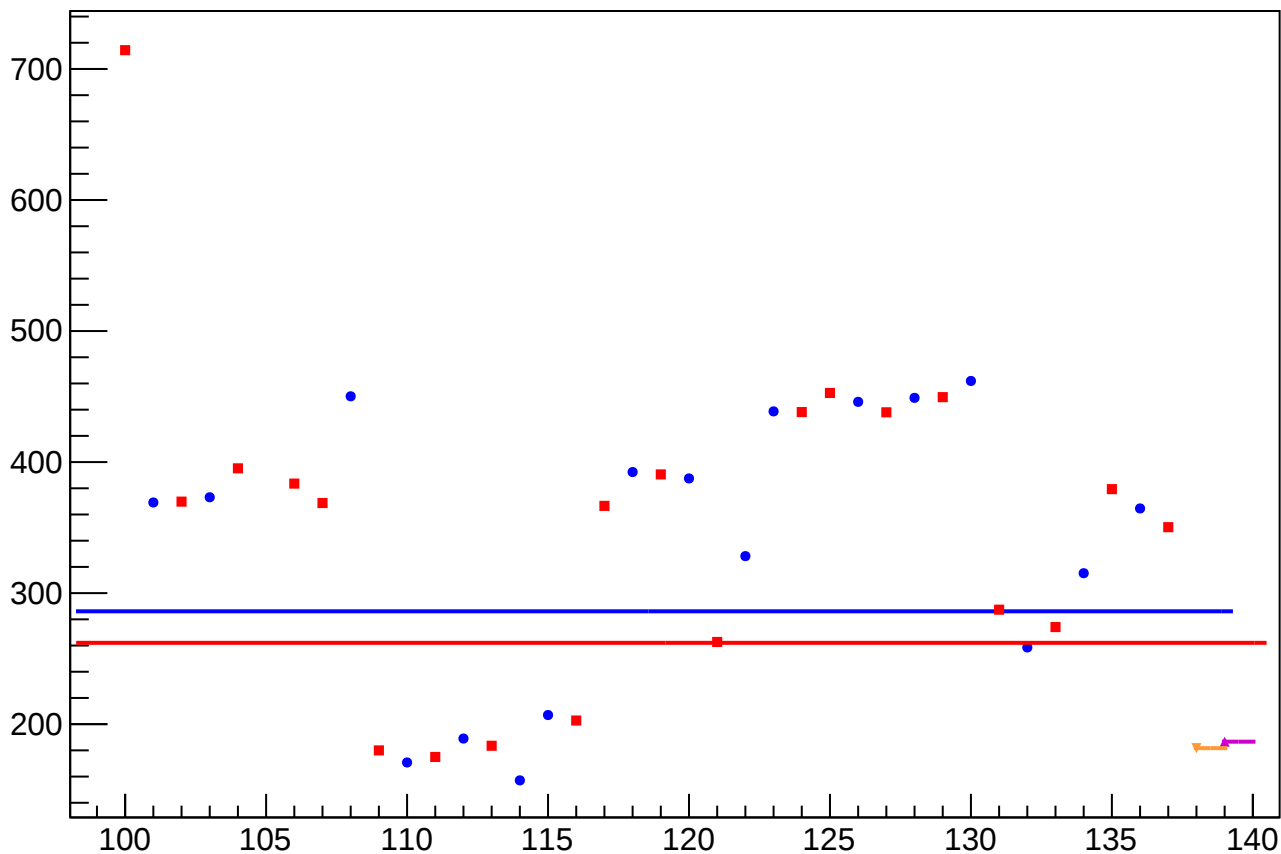
Left In: 131795.625 $\pm$ 0.227 χ^2 /NDF: 0.0/0

132454.797 $\pm$ 0.104 χ^2 /NDF: 163747294.9/17

132563.320 $\pm$ 0.071 χ^2 /NDF: 334951316.

132656.567 $\pm$ 0.097 χ^2 /NDF: 169192600.4/20

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 286.122 ± 0.084 χ^2/NDF : 1525266.4/16

Left Out: 181.688 ± 0.152 χ^2/NDF : 0.0/0

Right Out: 262.073 ± 0.076 χ^2/NDF : 1630239.5/19

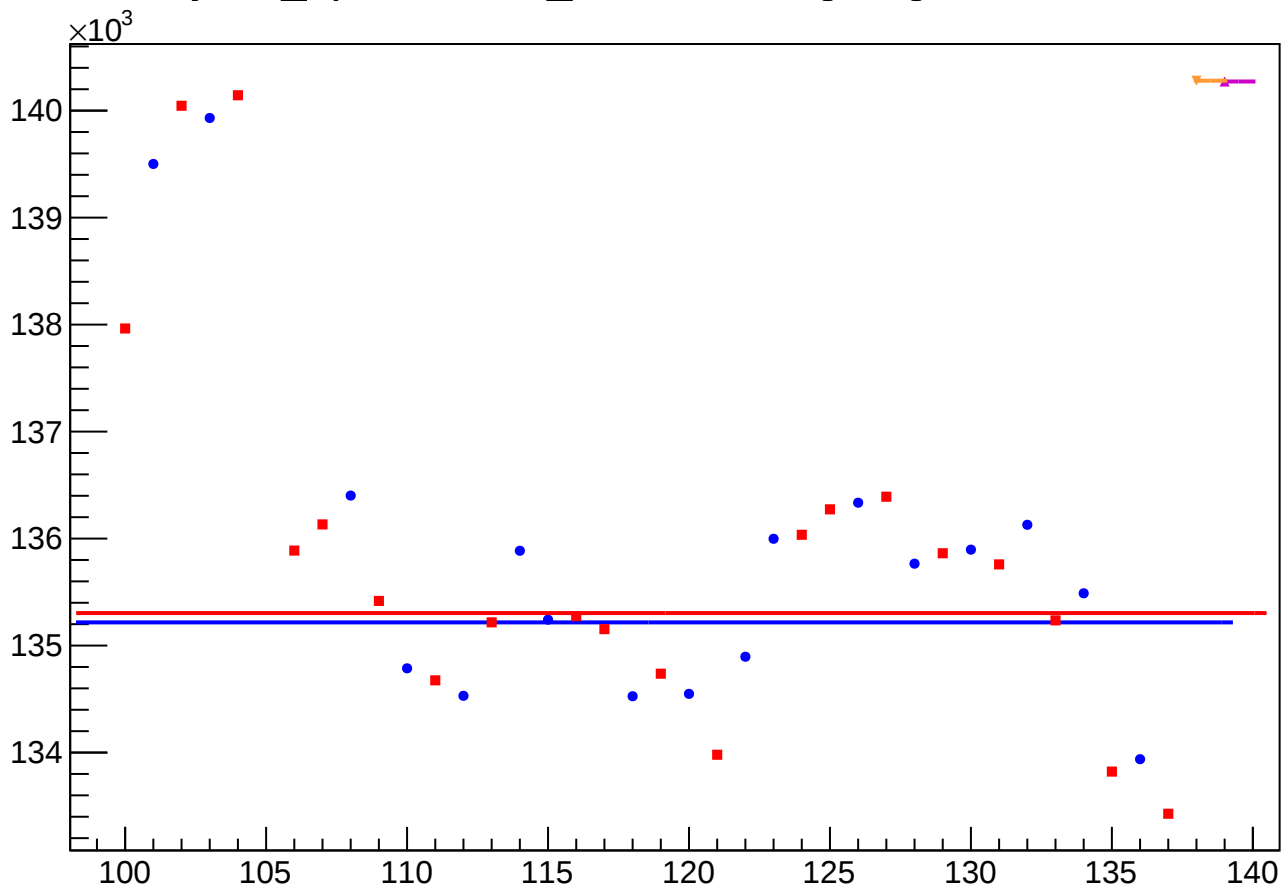
Left In: 186.630 ± 0.161 χ^2/NDF : 0.0/0

261.473 ± 0.074 χ^2/NDF : 1886577.6/17

254.430 ± 0.050 χ^2/NDF : 3714563.9/38

248.378 ± 0.068 χ^2/NDF : 1811043.8/20

yield_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 135216.588 $\pm$ 0.054 χ^2 /NDF: 371347707.3/16

Left Out: 140279.814 $\pm$ 0.204 χ^2 /NDF: 0.0/0

Right Out: 135303.736 $\pm$ 0.051 χ^2 /NDF: 357717935.5/19

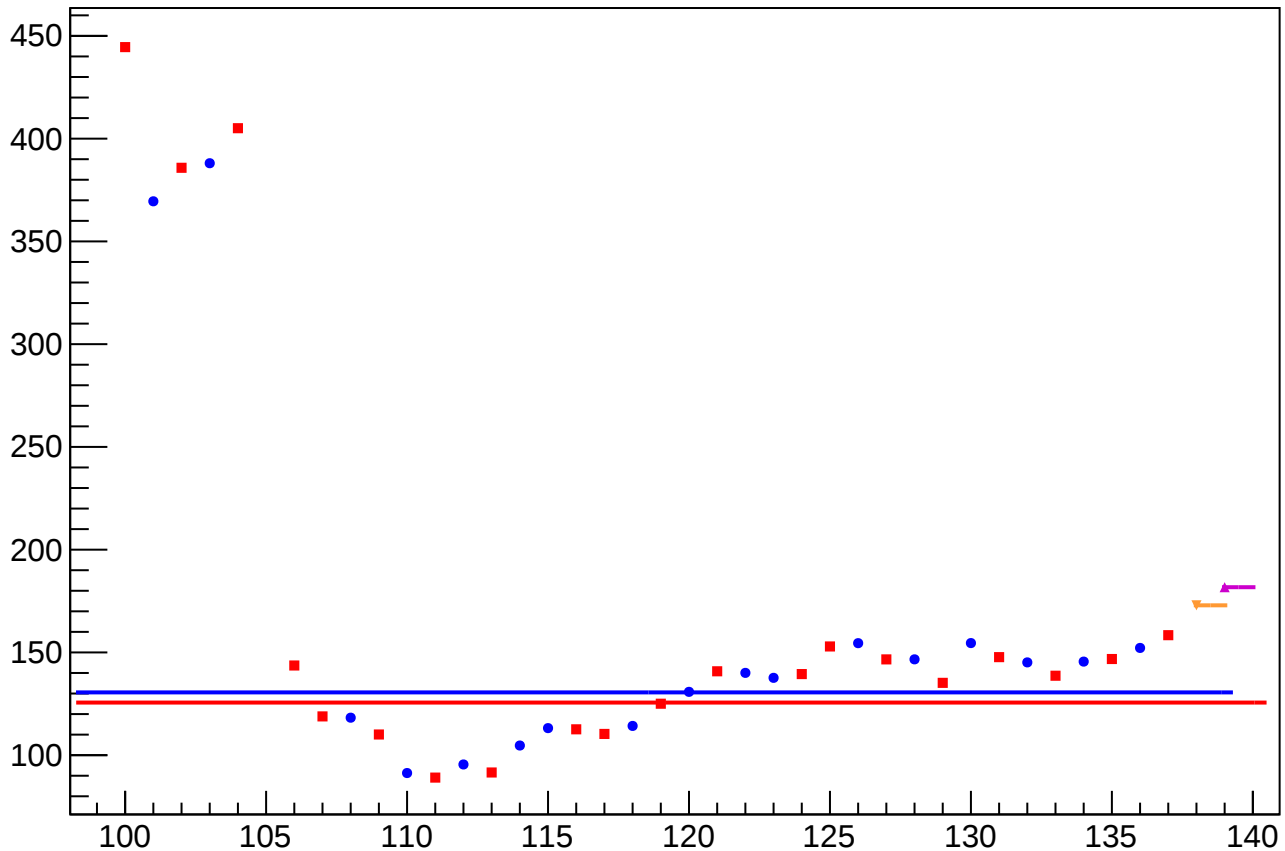
Left In: 140272.373 $\pm$ 0.221 χ^2 /NDF: 0.0/0

135550.726 $\pm$ 0.053 χ^2 /NDF: 943955676.2/17

135552.554 $\pm$ 0.036 χ^2 /NDF: 178189138

135554.185 $\pm$ 0.050 χ^2 /NDF: 837933412.1/20

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 130.552 $\pm$ 0.038 χ^2 /NDF: 1373104.9/16

Left Out: 172.920 $\pm$ 0.145 χ^2 /NDF: 0.0/0

Right Out: 125.603 $\pm$ 0.036 χ^2 /NDF: 1441677.4/19

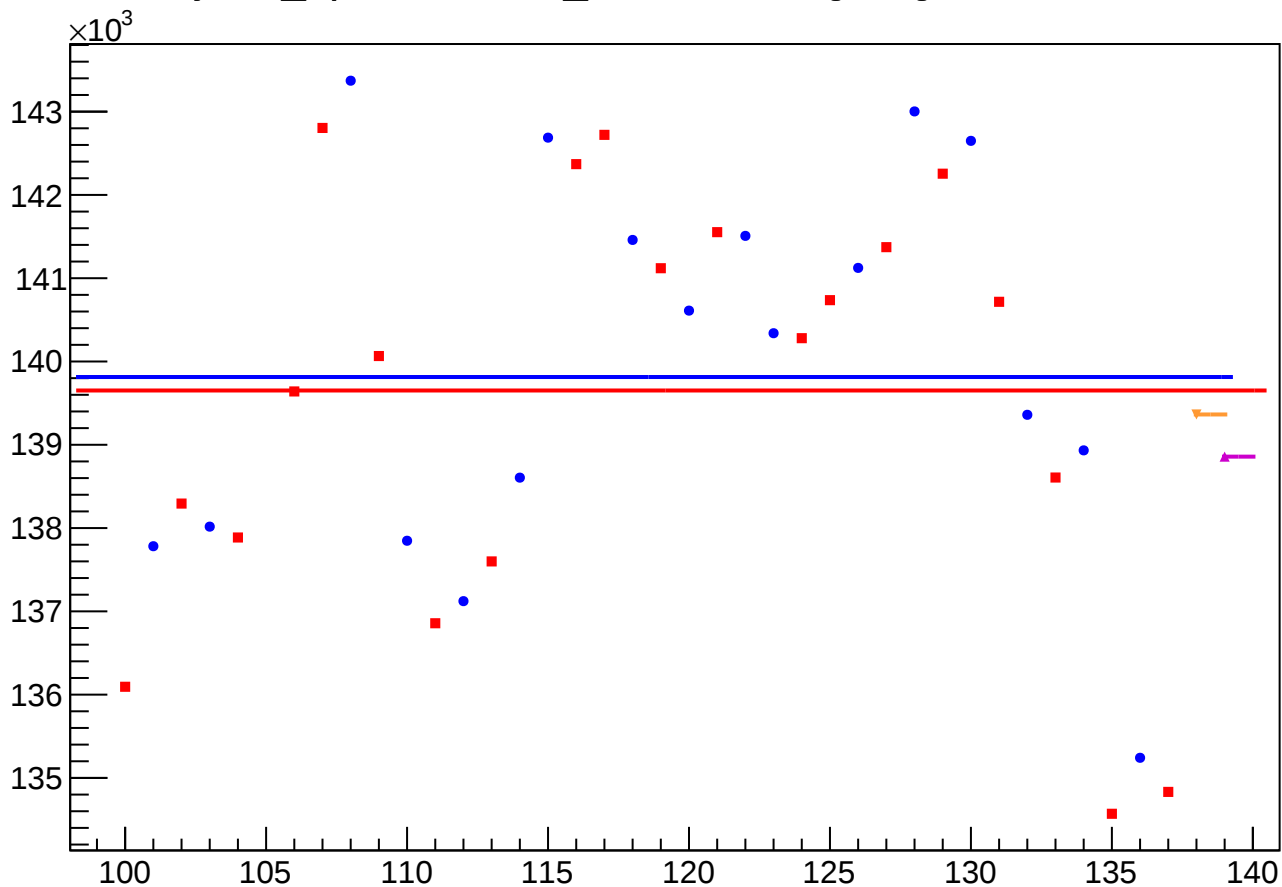
Left In: 181.739 $\pm$ 0.156 χ^2 /NDF: 0.0/0

133.348 $\pm$ 0.037 χ^2 /NDF: 1453295.3/17

130.750 $\pm$ 0.026 χ^2 /NDF: 3026820.8/38

128.433 $\pm$ 0.035 χ^2 /NDF: 1564271.8/20

yield_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 139813.664 $\pm$ 0.062 χ^2 /NDF: 1689865533.6/16

Left Out: 139363.948 $\pm$ 0.199 χ^2 /NDF: 0.0/0

139774.107 $\pm$ 0.059 χ^2 /NDF: 1694504922.0/17

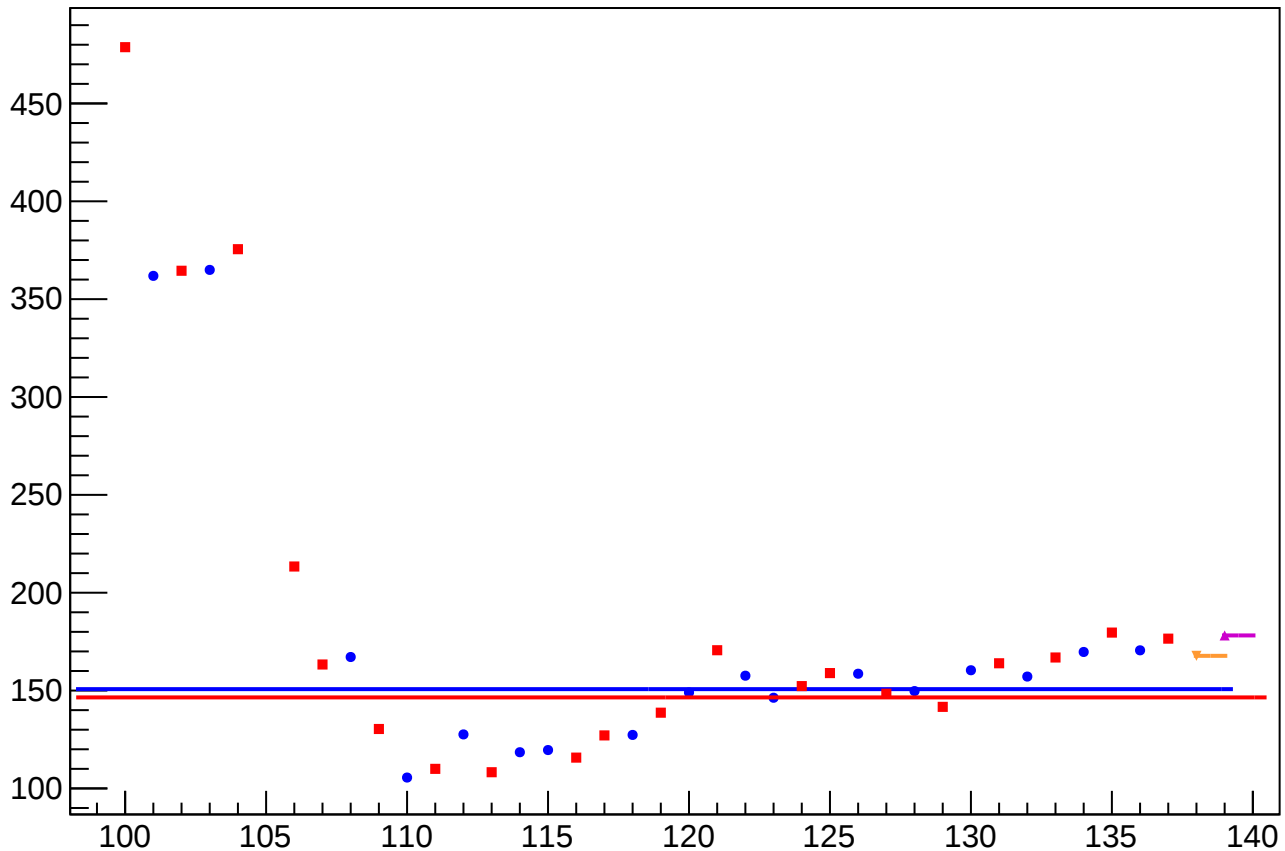
Right Out: 139651.821 $\pm$ 0.059 χ^2 /NDF: 1531019137.4/19

139682.096 $\pm$ 0.041 χ^2 /NDF: 3242670309

139597.500 $\pm$ 0.057 χ^2 /NDF: 1543518752.8/20

Left In: 138857.644 $\pm$ 0.217 χ^2 /NDF: 0.0/0

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 150.733±/0.044 χ^2/NDF : 1050071.6/16

Left Out: 167.747±/0.141 χ^2/NDF : 0.0/0

Right Out: 146.506±/0.042 χ^2/NDF : 1205131.2/19

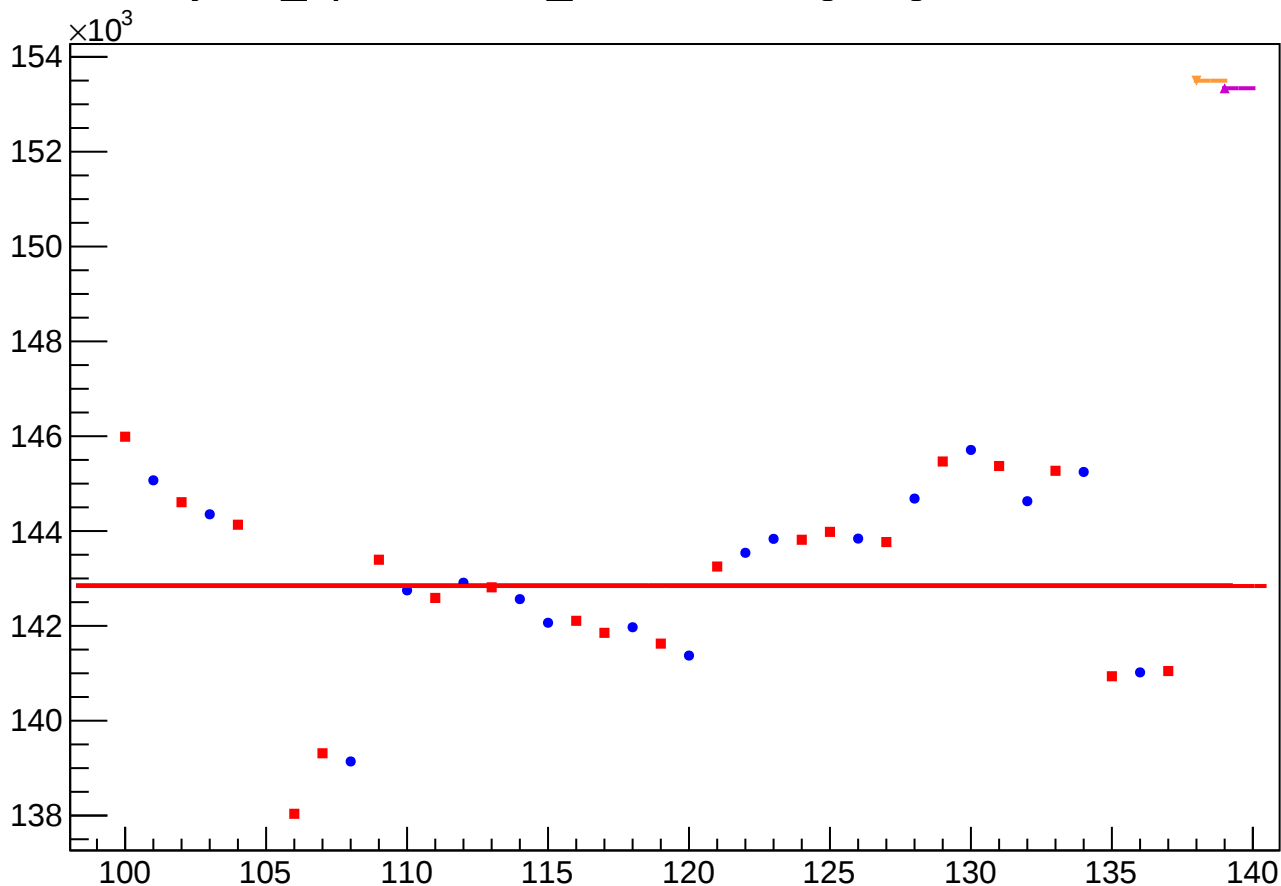
Left In: 178.175±/0.153 χ^2/NDF : 0.0/0

152.230±/0.042 χ^2/NDF : 1063352.5/17

150.376±/0.029 χ^2/NDF : 2312006.7/38

148.672±/0.040 χ^2/NDF : 1244883.1/20

yield_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 142854.268 $\pm$ 0.065 χ^2 /NDF: 740367386.5/16

Left Out: 153498.037 $\pm$ 0.212 χ^2 /NDF: 0.0/0

Right Out: 142840.509 $\pm$ 0.060 χ^2 /NDF: 852484333.4/19

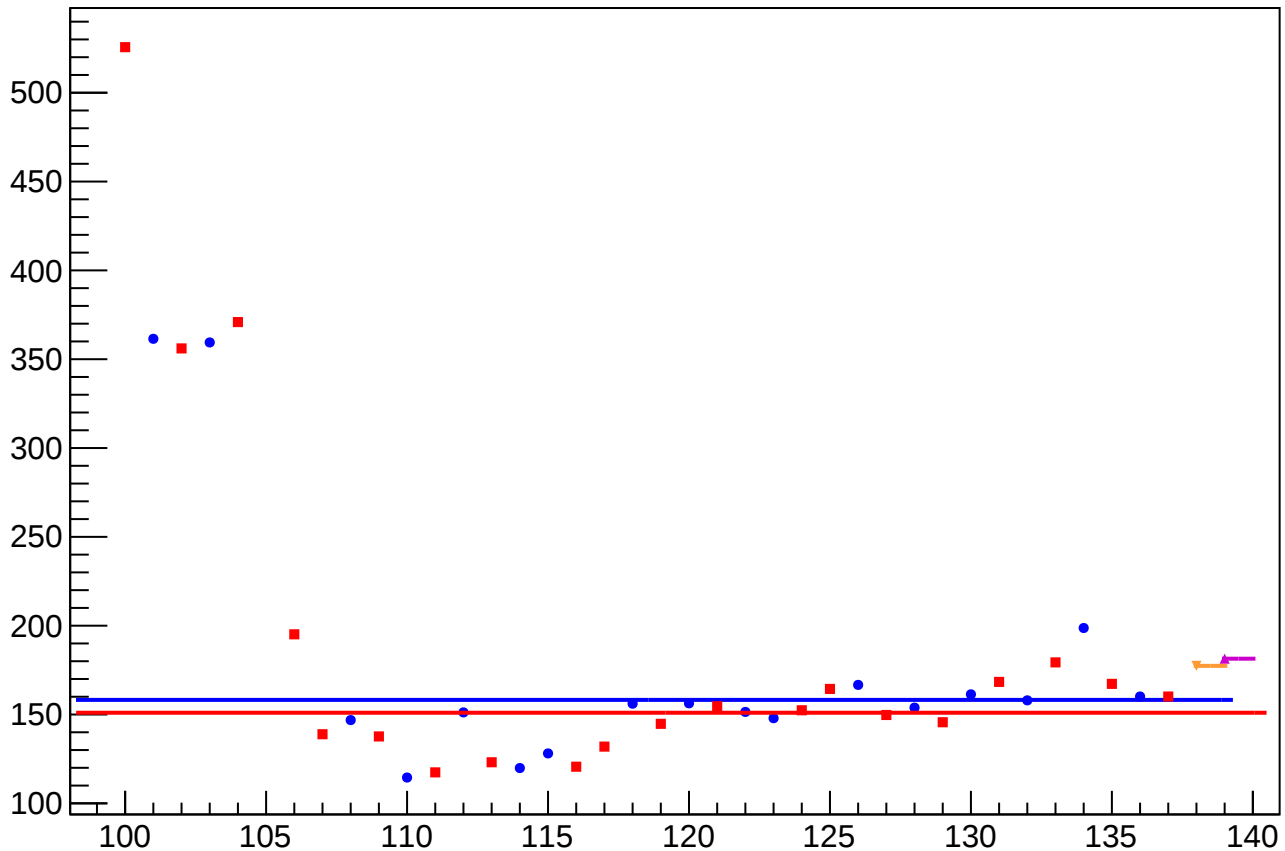
Left In: 153338.571 $\pm$ 0.221 χ^2 /NDF: 0.0/0

143762.697 $\pm$ 0.062 χ^2 /NDF: 3052865759.5/17

143656.555 $\pm$ 0.042 χ^2 /NDF: 600922941

143563.124 $\pm$ 0.058 χ^2 /NDF: 2950824718.9/20

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 158.233+/-0.046 χ^2/NDF : 883513.4/16

Left Out: 177.390+/-0.150 χ^2/NDF : 0.0/0

Right Out: 151.003+/-0.043 χ^2/NDF : 1005104.9/19

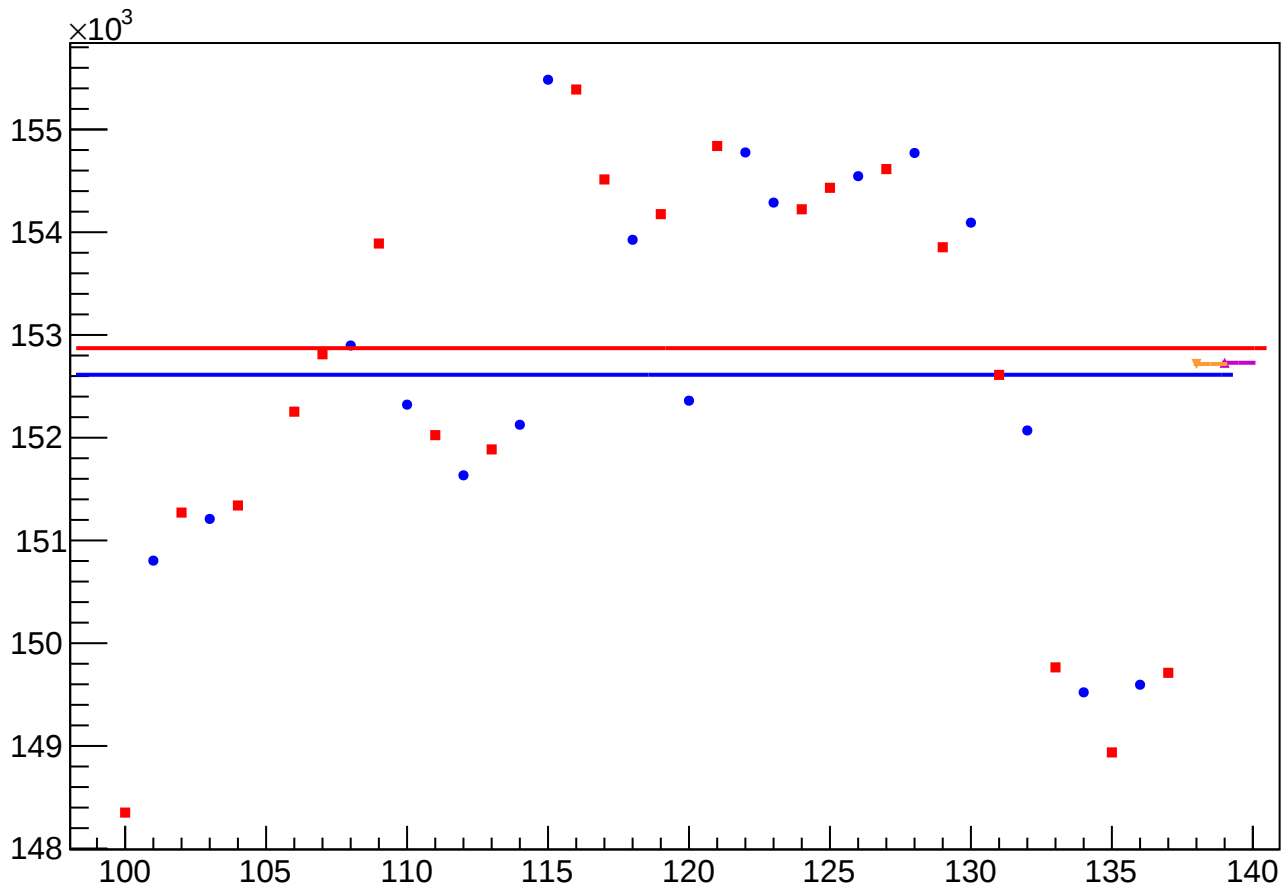
Left In: 181.422+/-0.156 χ^2/NDF : 0.0/0

159.868+/-0.044 χ^2/NDF : 898495.6/17

156.267+/-0.030 χ^2/NDF : 1951585.7/38

153.097+/-0.041 χ^2/NDF : 1040339.8/20

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152612.586 $\pm$ 0.072 χ^2 /NDF: 621416187.4/16

Left Out: 152717.567 $\pm$ 0.200 χ^2 /NDF: 0.0/0

Right Out: 152871.618 $\pm$ 0.066 χ^2 /NDF: 720639345.6/19

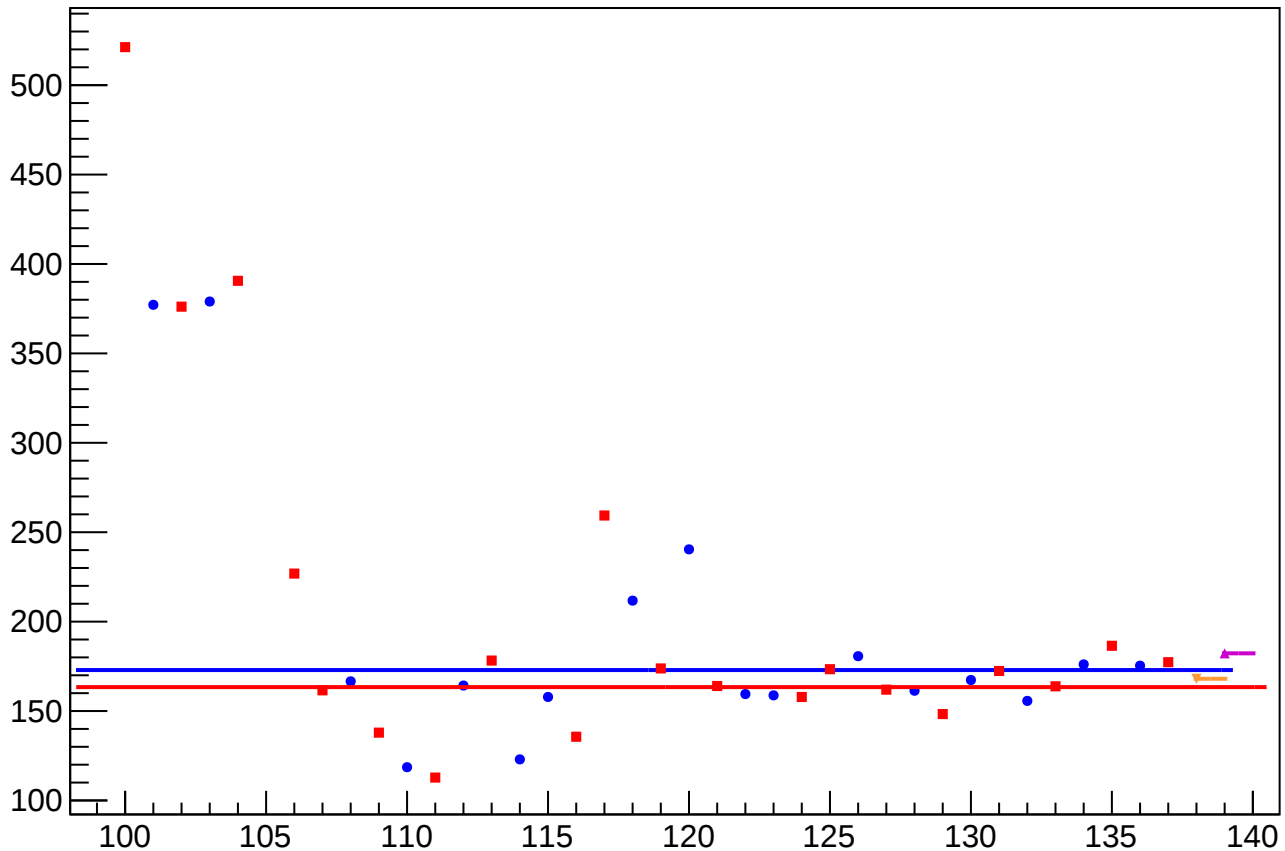
Left In: 152729.416 $\pm$ 0.222 χ^2 /NDF: 0.0/0

152624.730 $\pm$ 0.068 χ^2 /NDF: 621661008.2/17

152750.407 $\pm$ 0.046 χ^2 /NDF: 134909819

152860.025 $\pm$ 0.063 χ^2 /NDF: 721016267.6/20

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.921+/-0.051 χ^2/NDF : 941954.0/16

Left Out: 168.046+/-0.141 χ^2/NDF : 0.0/0

Right Out: 163.382+/-0.047 χ^2/NDF : 1044431.2/19

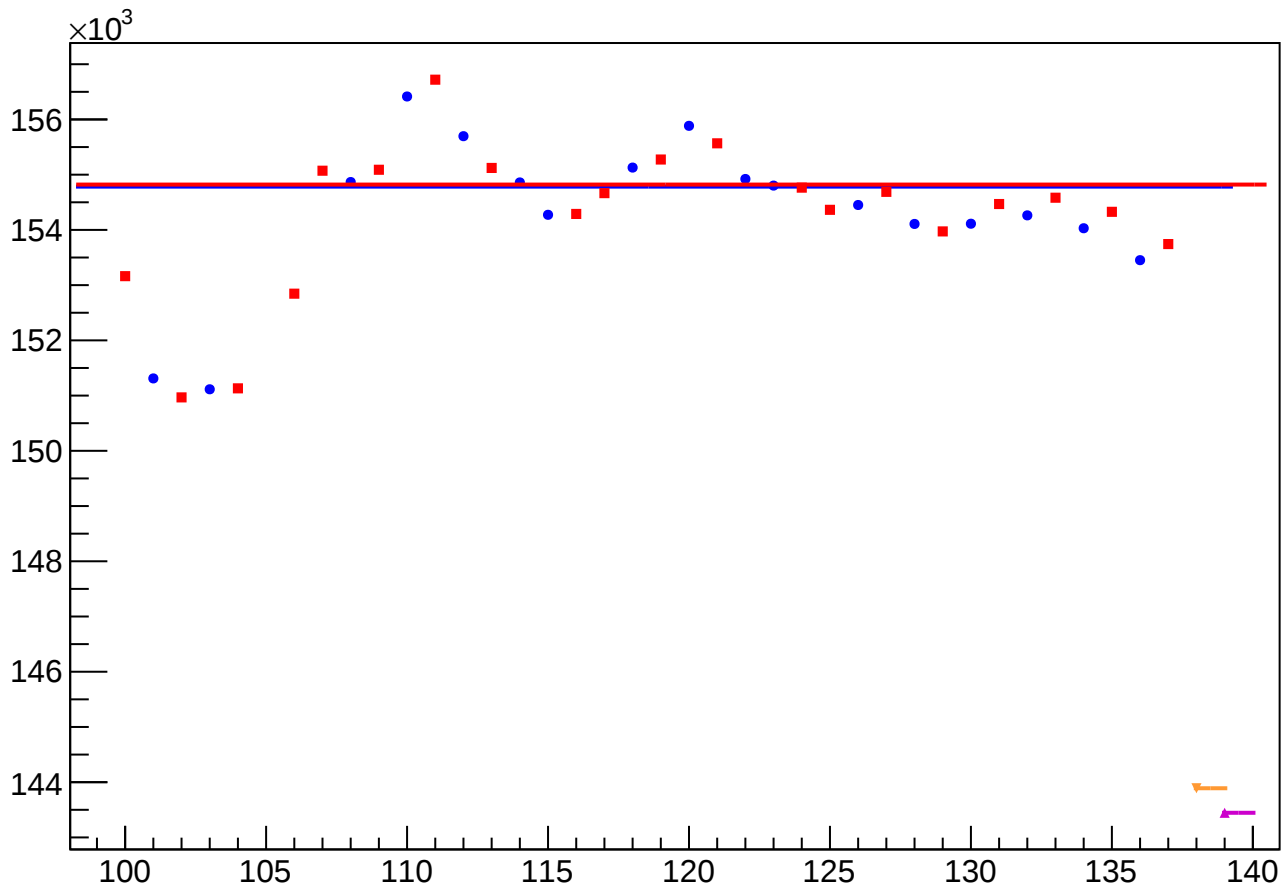
Left In: 182.267+/-0.157 χ^2/NDF : 0.0/0

172.357+/-0.048 χ^2/NDF : 943009.9/17

168.385+/-0.033 χ^2/NDF : 2013562.0/38

164.921+/-0.045 χ^2/NDF : 1057727.3/20

yield_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 154783.944 ± 0.065 $\chi^2/\text{NDF}: 265581398.0/16$

Left Out: 143890.306 ± 0.209 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 154820.824 ± 0.061 $\chi^2/\text{NDF}: 293904936.4/19$

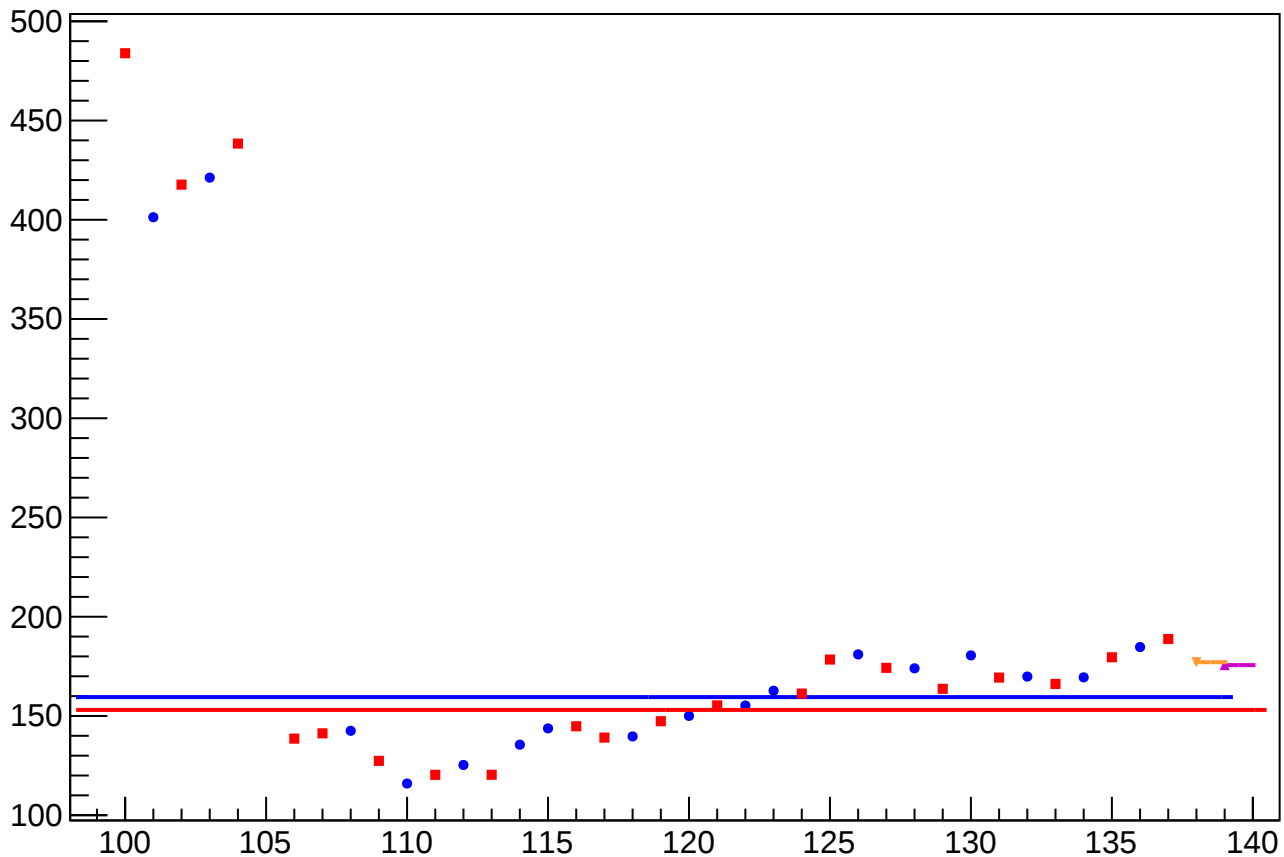
Left In: 143446.077 ± 0.214 $\chi^2/\text{NDF}: 0.0/0$

153812.613 ± 0.062 $\chi^2/\text{NDF}: 2741921805.1/17$

153898.133 ± 0.043 $\chi^2/\text{NDF}: 566255070$

153972.902 ± 0.058 $\chi^2/\text{NDF}: 2917106792.6/20$

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 177.092 $\pm$ 0.148 χ^2 /NDF: 0.0/0

Right Out: 153.038 $\pm$ 0.043 χ^2 /NDF: 1174616.4/19

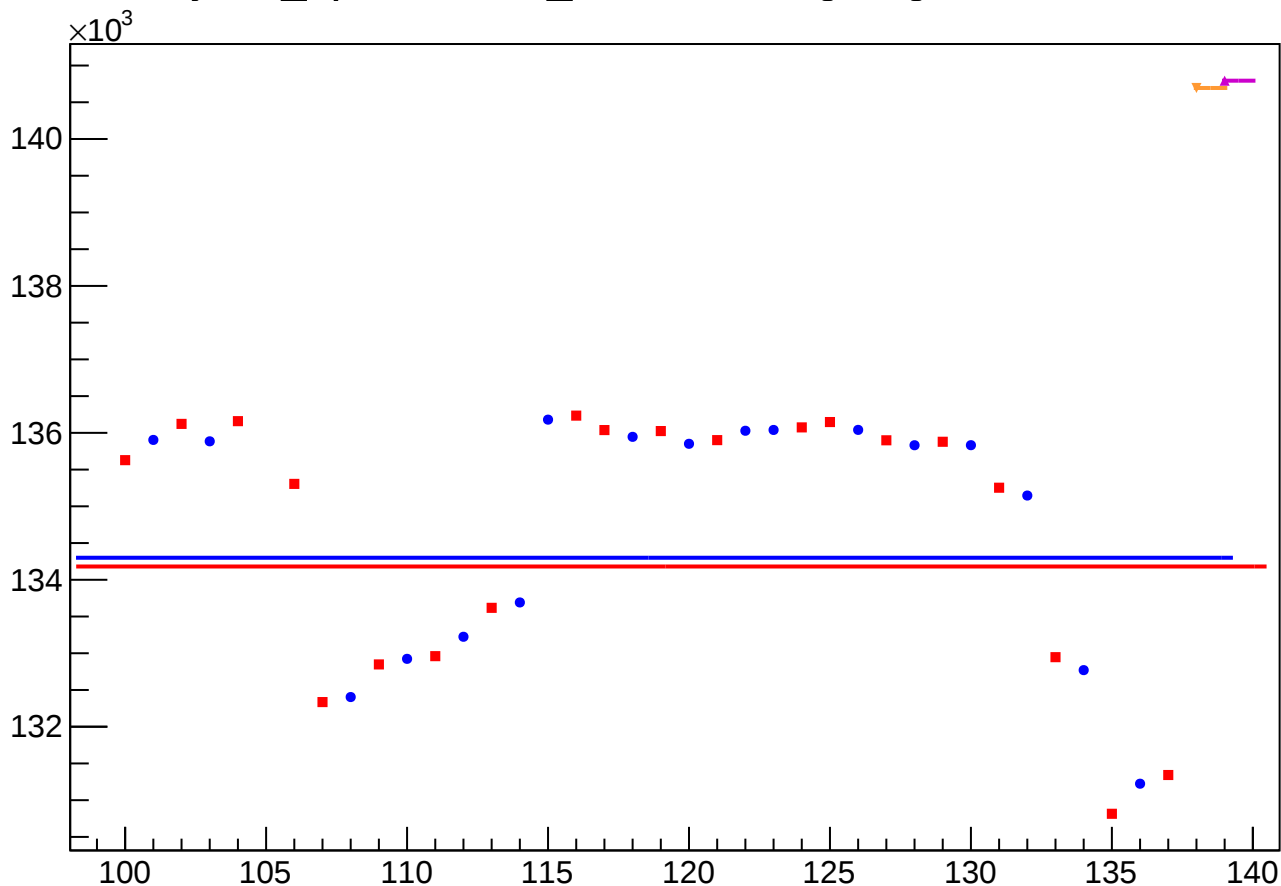
Left In: 175.628 $\pm$ 0.151 χ^2 /NDF: 0.0/0

161.072 $\pm$ 0.044 χ^2 /NDF: 1144755.4/17

157.684 $\pm$ 0.030 χ^2 /NDF: 2351120.7/38

154.722 $\pm$ 0.041 χ^2 /NDF: 1195308.8/20

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134300.025 $\pm$ 0.050 χ^2 /NDF: 1149581803.2/16

Left Out: 140694.342 $\pm$ 0.203 χ^2 /NDF: 0.0/0

Right Out: 134180.888 $\pm$ 0.047 χ^2 /NDF: 1224202240.2/19

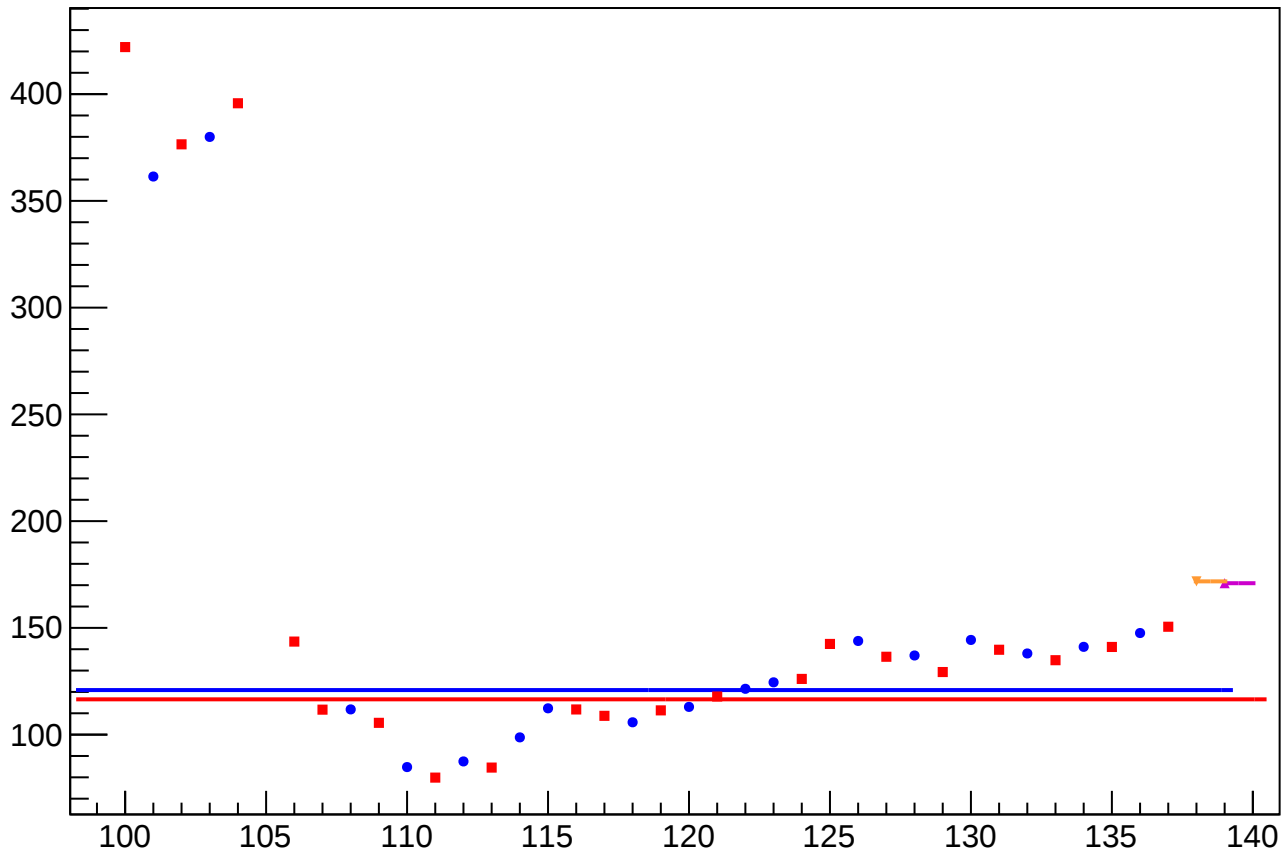
Left In: 140793.686 $\pm$ 0.208 χ^2 /NDF: 0.0/0

134671.460 $\pm$ 0.049 χ^2 /NDF: 2086740127.1/17

134583.249 $\pm$ 0.034 χ^2 /NDF: 427904176

134504.960 $\pm$ 0.046 χ^2 /NDF: 2186149000.5/20

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 120.872 $\pm$ 0.036 χ^2 /NDF: 1463728.4/16

Left Out: 171.790 $\pm$ 0.143 χ^2 /NDF: 0.0/0

Right Out: 116.531 $\pm$ 0.033 χ^2 /NDF: 1541779.4/19

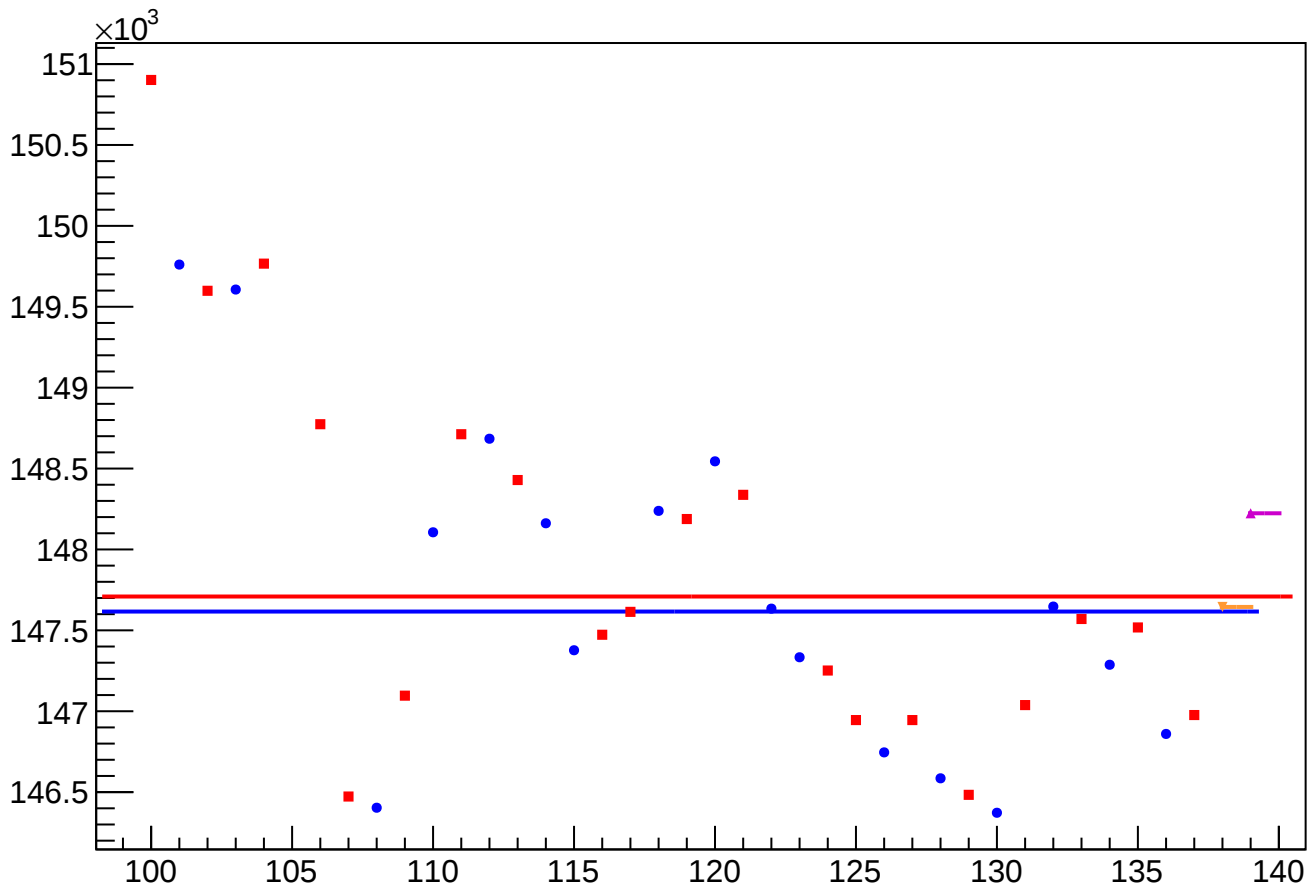
Left In: 170.924 $\pm$ 0.147 χ^2 /NDF: 0.0/0

123.830 $\pm$ 0.035 χ^2 /NDF: 1582573.8/17

121.375 $\pm$ 0.024 χ^2 /NDF: 3264049.4/38

119.197 $\pm$ 0.033 χ^2 /NDF: 1671946.1/20

yield_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 147616.150 $\pm$ 0.062 χ^2 /NDF: 199263428.7/16

Left Out: 147644.658 $\pm$ 0.235 χ^2 /NDF: 0.0/0

147618.026 $\pm$ 0.060 χ^2 /NDF: 199277127.6/17

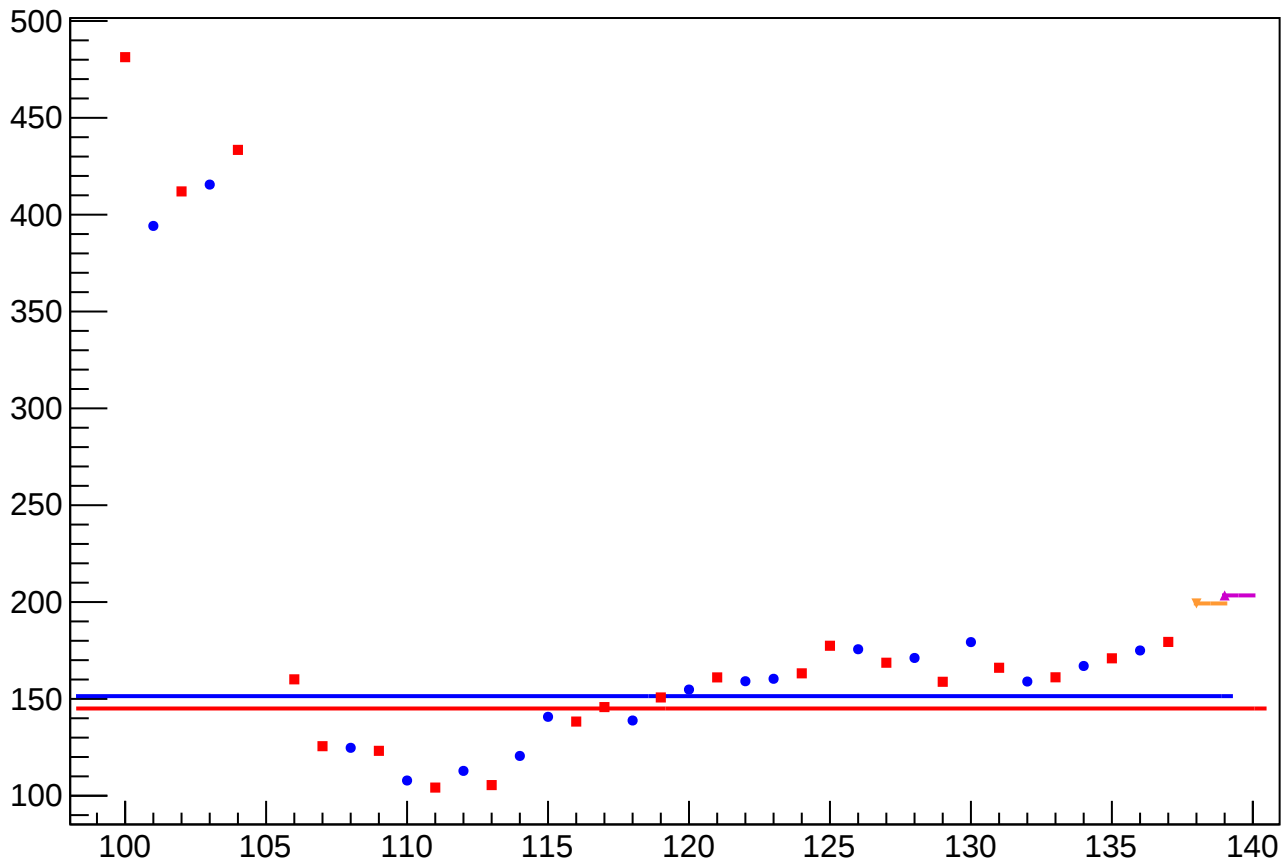
Right Out: 147709.096 $\pm$ 0.058 χ^2 /NDF: 203924272.1/19

147680.849 $\pm$ 0.041 χ^2 /NDF: 409331086

147736.015 $\pm$ 0.057 χ^2 /NDF: 208021644.1/20

Left In: 148223.517 $\pm$ 0.247 χ^2 /NDF: 0.0/0

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 151.424 $\pm$ 0.044 χ^2 /NDF: 1257843.0/16

Left Out: 199.275 $\pm$ 0.166 χ^2 /NDF: 0.0/0

Right Out: 145.044 $\pm$ 0.041 χ^2 /NDF: 1375974.1/19

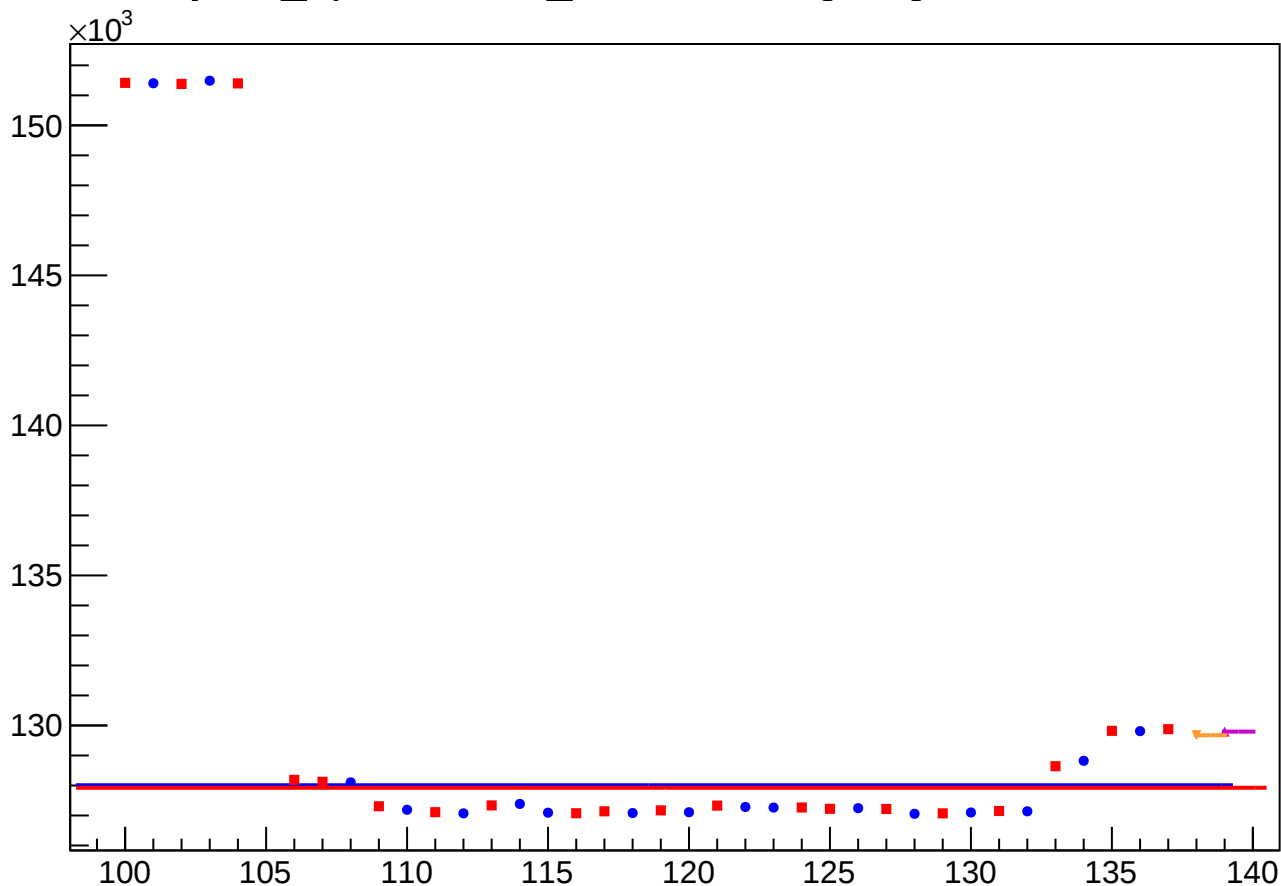
Left In: 203.428 $\pm$ 0.175 χ^2 /NDF: 0.0/0

154.573 $\pm$ 0.043 χ^2 /NDF: 1335033.1/17

151.126 $\pm$ 0.029 χ^2 /NDF: 2828800.9/38

148.099 $\pm$ 0.040 χ^2 /NDF: 1481531.8/20

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16

Left Out: 129674.703 $\pm$ 0.209 χ^2 /NDF: 0.0/0

Right Out: 127923.940 $\pm$ 0.050 χ^2 /NDF: 3770107280.1/19

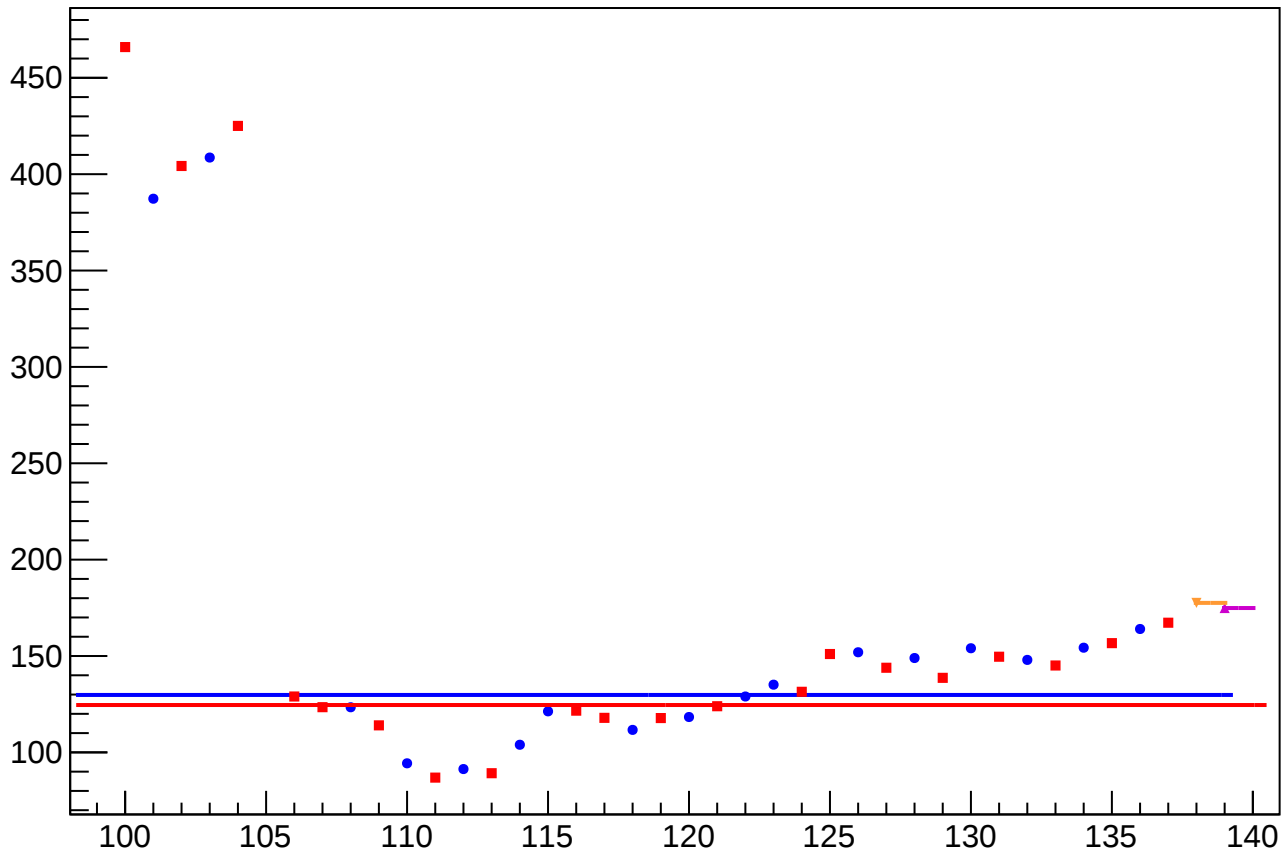
Left In: 129795.310 $\pm$ 0.213 χ^2 /NDF: 0.0/0

128111.757 $\pm$ 0.052 χ^2 /NDF: 4379204081.4/17

128064.040 $\pm$ 0.036 χ^2 /NDF: 822416161

128022.584 $\pm$ 0.049 χ^2 /NDF: 3843407977.6/20

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.796 $\pm$ 0.038 χ^2 /NDF: 1485294.2/16

Left Out: 177.564 $\pm$ 0.148 χ^2 /NDF: 0.0/0

Right Out: 124.572 $\pm$ 0.035 χ^2 /NDF: 1532105.0/19

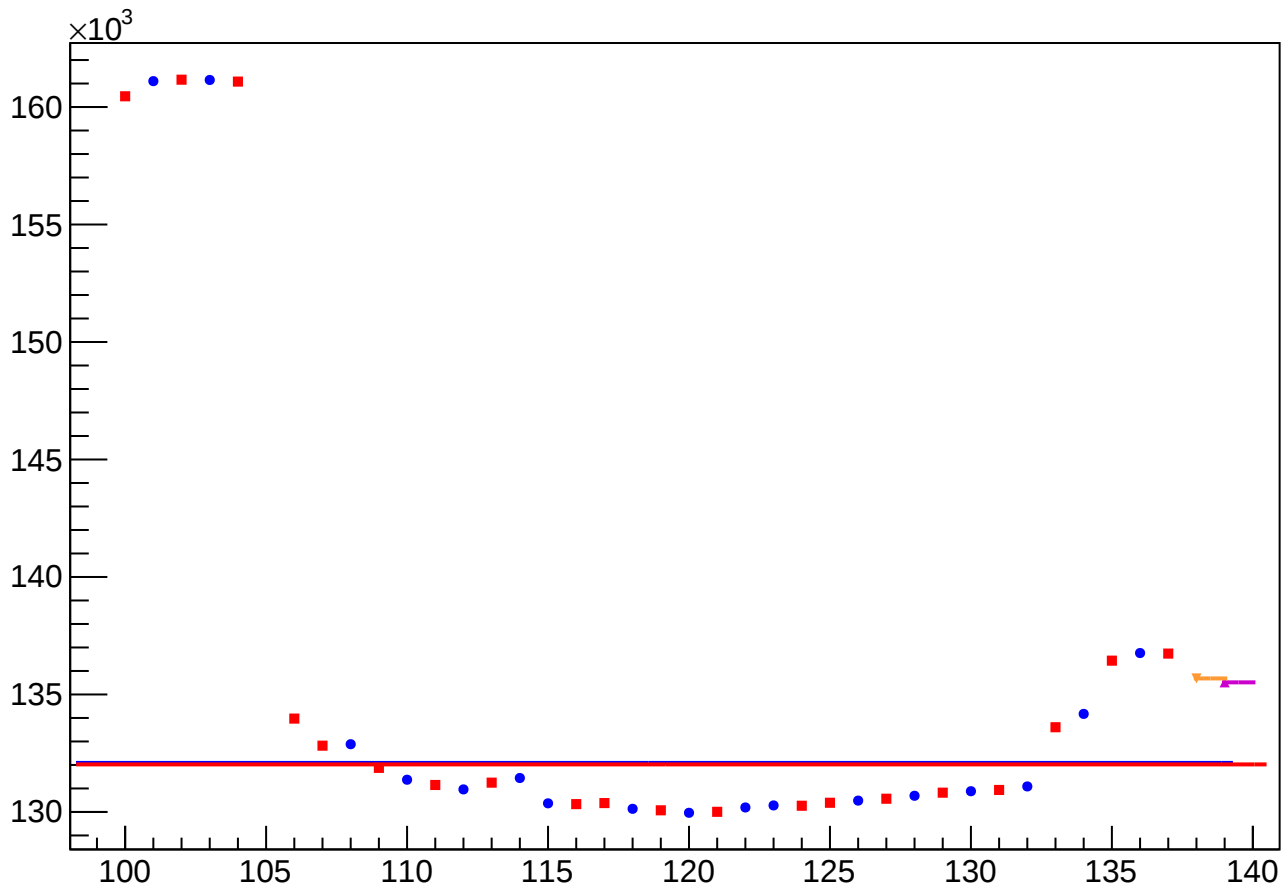
Left In: 174.898 $\pm$ 0.150 χ^2 /NDF: 0.0/0

132.787 $\pm$ 0.037 χ^2 /NDF: 1582832.0/17

129.811 $\pm$ 0.025 χ^2 /NDF: 3233018.8/38

127.225 $\pm$ 0.035 χ^2 /NDF: 1638130.0/20

yield_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16

Left Out: 135682.634 $\pm$ 0.217 χ^2 /NDF: 0.0/0

Right Out: 132023.609 $\pm$ 0.052 χ^2 /NDF: 5890492527.2/19

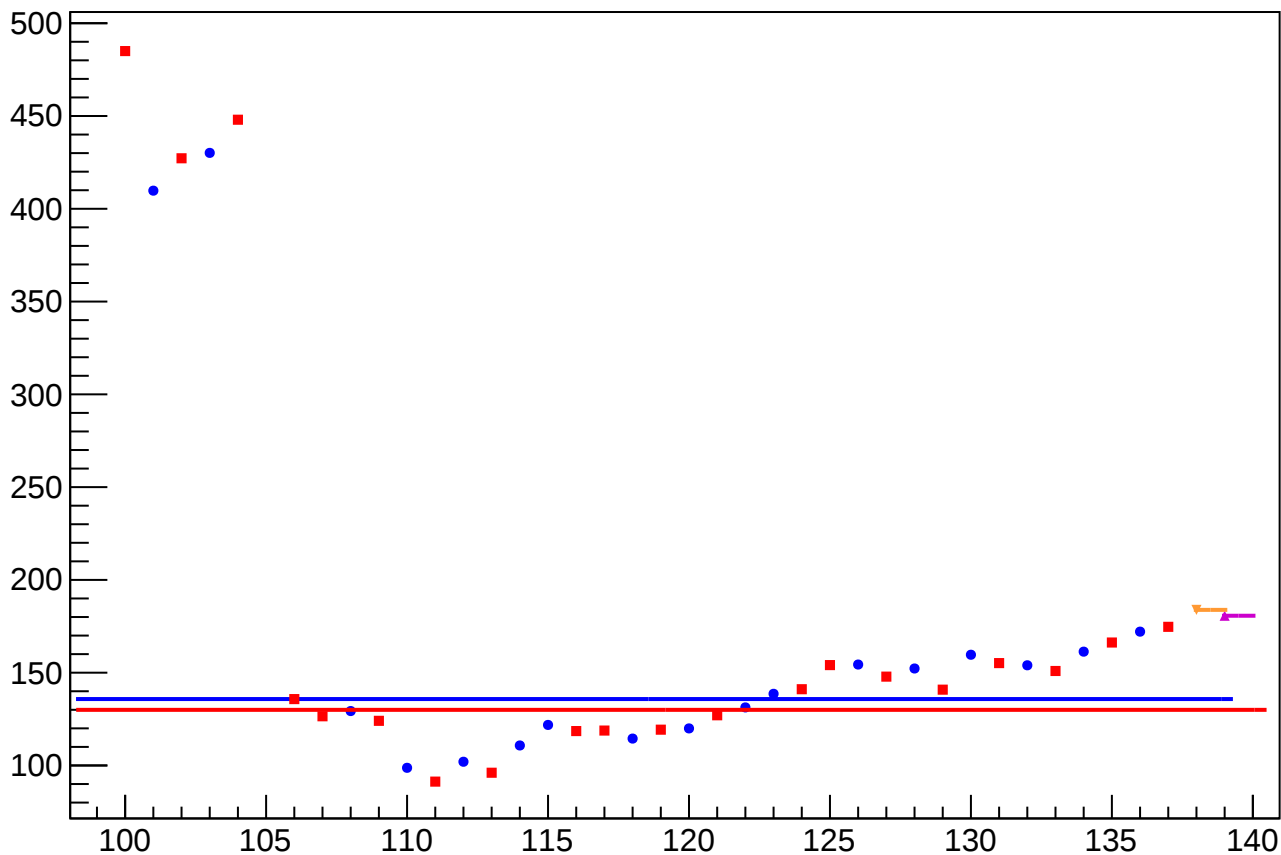
Left In: 135515.664 $\pm$ 0.220 χ^2 /NDF: 0.0/0

132315.593 $\pm$ 0.055 χ^2 /NDF: 6990726729.3/17

132259.391 $\pm$ 0.037 χ^2 /NDF: 131220190

132210.744 $\pm$ 0.051 χ^2 /NDF: 6129322723.9/20

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 135.796 $\pm$ 0.040 χ^2 /NDF: 1441904.9/16

Left Out: 183.852 $\pm$ 0.153 χ^2 /NDF: 0.0/0

Right Out: 129.975 $\pm$ 0.037 χ^2 /NDF: 1504768.0/19

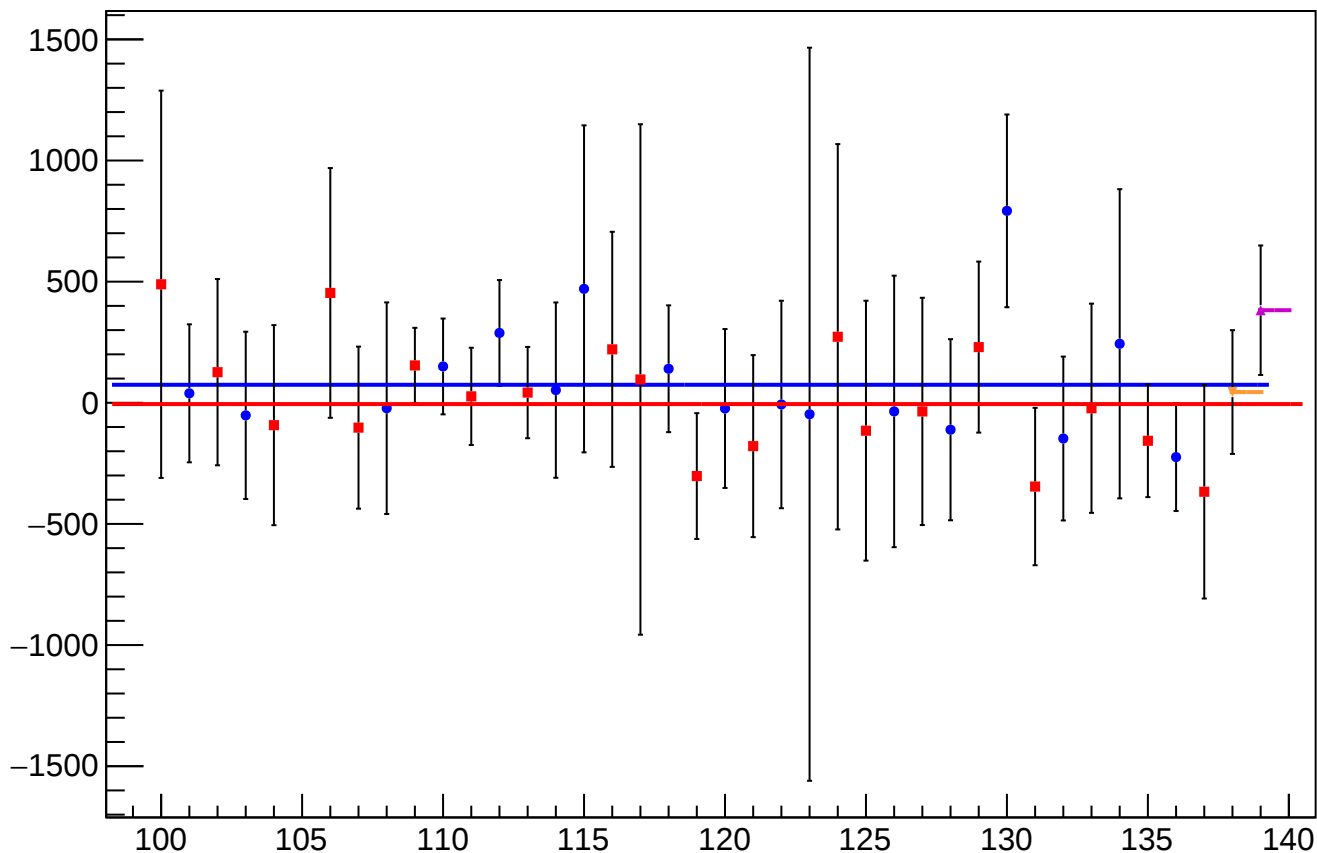
Left In: 180.689 $\pm$ 0.155 χ^2 /NDF: 0.0/0

138.854 $\pm$ 0.039 χ^2 /NDF: 1533884.9/17

135.551 $\pm$ 0.026 χ^2 /NDF: 3152999.4/38

132.693 $\pm$ 0.036 χ^2 /NDF: 1605511.9/20

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 74.294+/-79.018 χ^2/NDF : 7.7/16

Left Out: 44.315+/-255.375 χ^2/NDF : 0.0/0

Right Out: -5.290+/-69.914 χ^2/NDF : 7.1/19

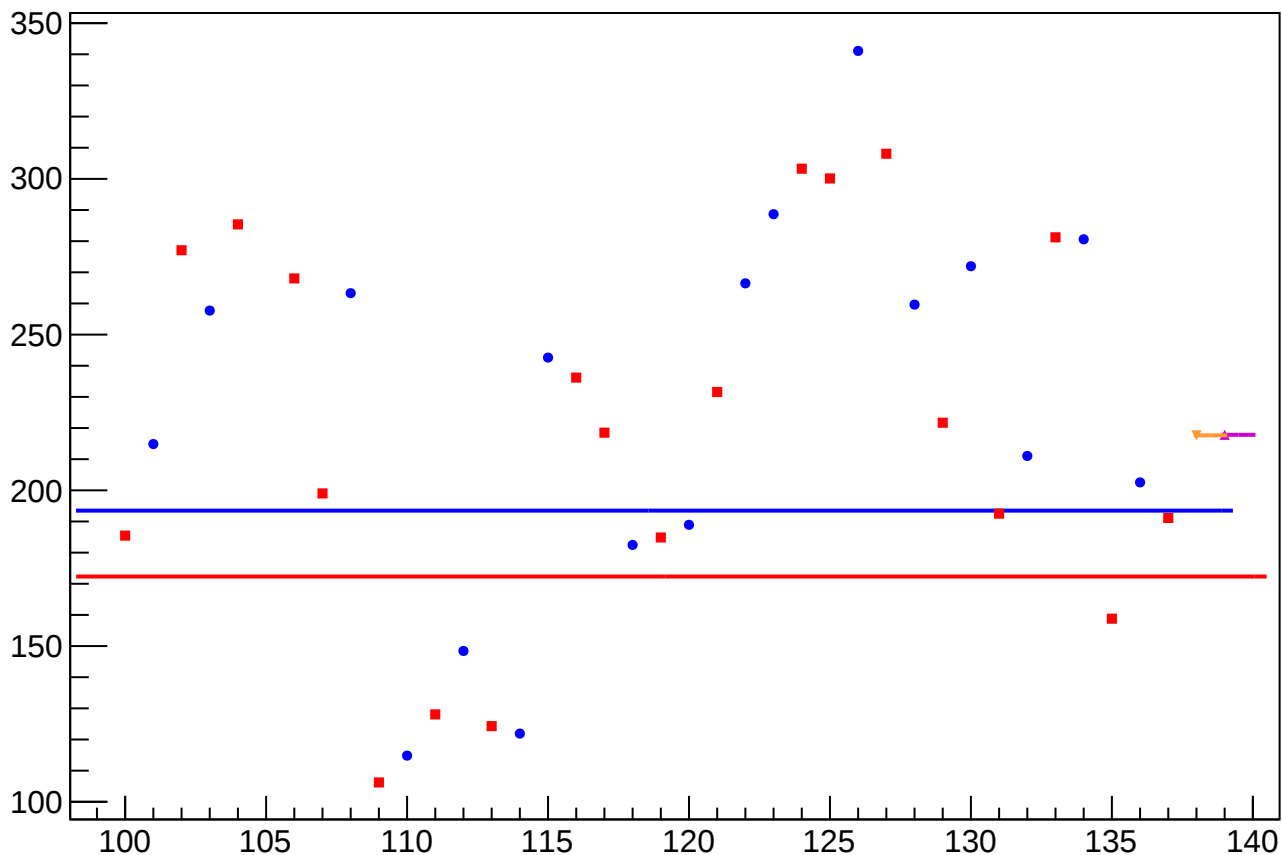
Left In: 382.144+/-267.207 χ^2/NDF : 0.0/0

71.675+/-75.487 χ^2/NDF : 7.7/17

42.753+/-50.374 χ^2/NDF : 17.1/38

19.534+/-67.637 χ^2/NDF : 9.1/20

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.488 $\pm$ 0.056 χ^2 /NDF: 1017195.7/16

Left Out: 217.650 $\pm$ 0.181 χ^2 /NDF: 0.0/0

Right Out: 172.327 $\pm$ 0.049 χ^2 /NDF: 1583701.4/19

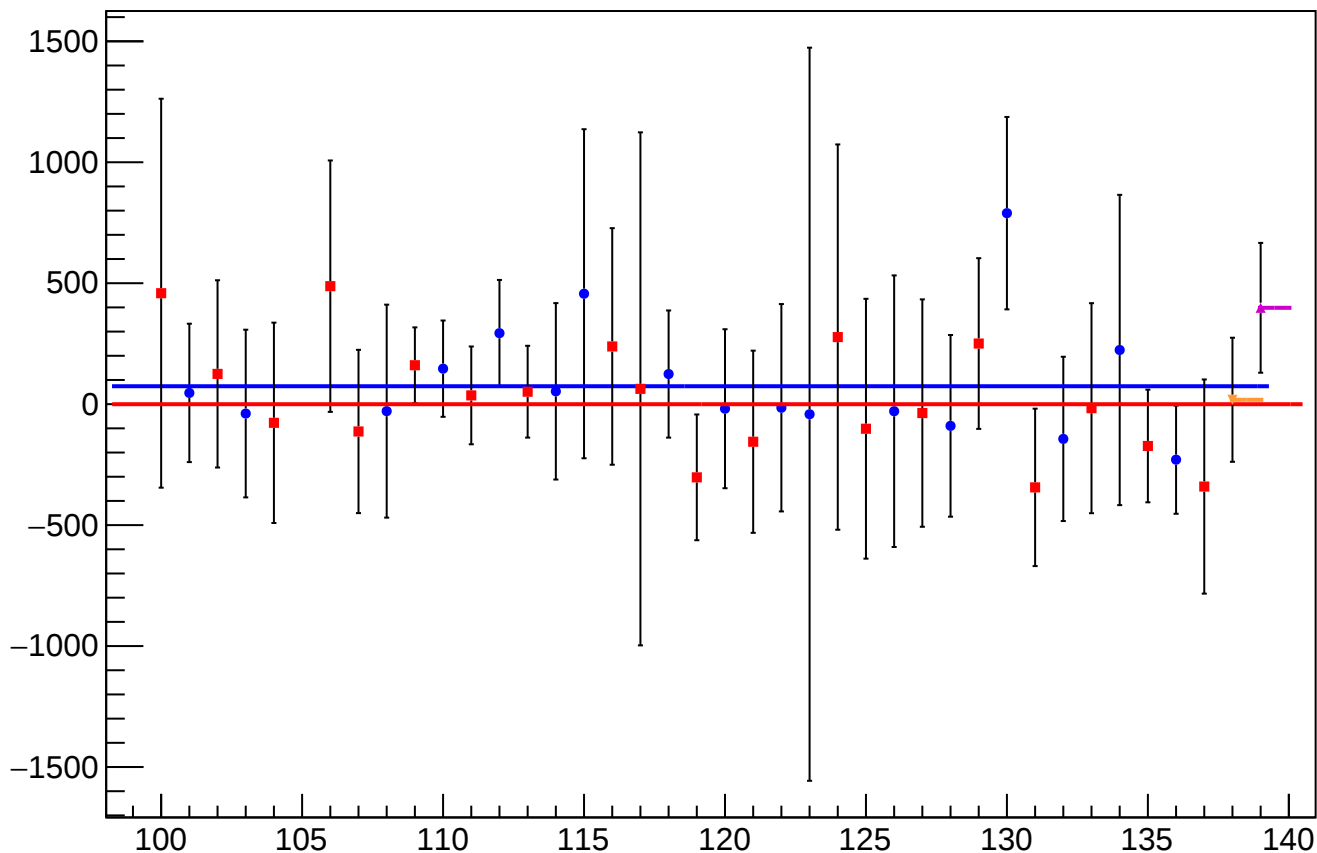
Left In: 217.825 $\pm$ 0.189 χ^2 /NDF: 0.0/0

195.599 $\pm$ 0.053 χ^2 /NDF: 1033535.2/17

184.307 $\pm$ 0.036 χ^2 /NDF: 2752187.7/38

175.242 $\pm$ 0.048 χ^2 /NDF: 1637973.3/20

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 74.098+/-79.404 χ^2/NDF : 7.6/16

Left Out: 18.151+/-256.464 χ^2/NDF : 0.0/0

Right Out: -0.223+/-70.282 χ^2/NDF : 7.3/19

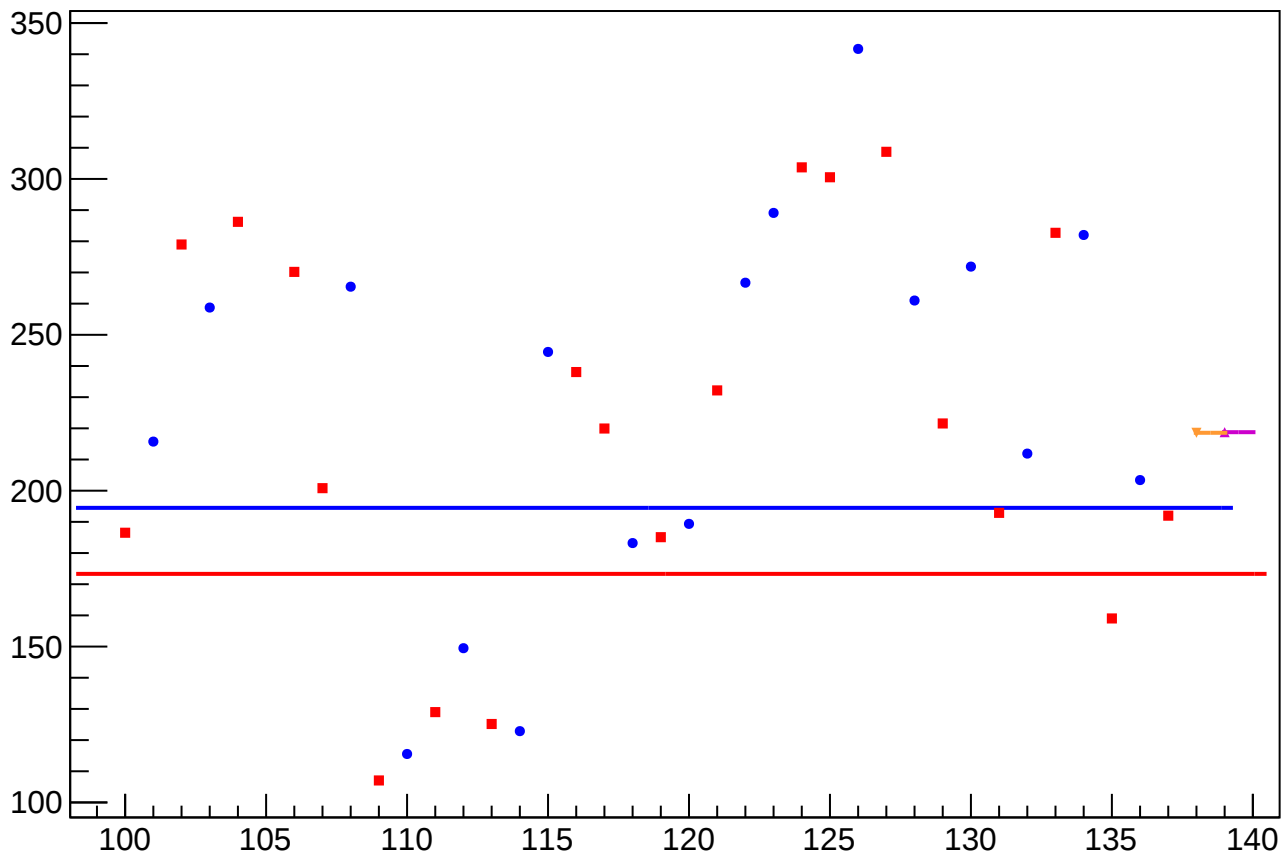
Left In: 398.347+/-268.367 χ^2/NDF : 0.0/0

69.204+/-75.851 χ^2/NDF : 7.6/17

44.892+/-50.628 χ^2/NDF : 17.2/38

25.359+/-67.989 χ^2/NDF : 9.4/20

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.496 $\pm$ 0.056 χ^2 /NDF: 1008514.7/16

Left Out: 218.573 $\pm$ 0.181 χ^2 /NDF: 0.0/0

Right Out: 173.317 $\pm$ 0.050 χ^2 /NDF: 1571258.4/19

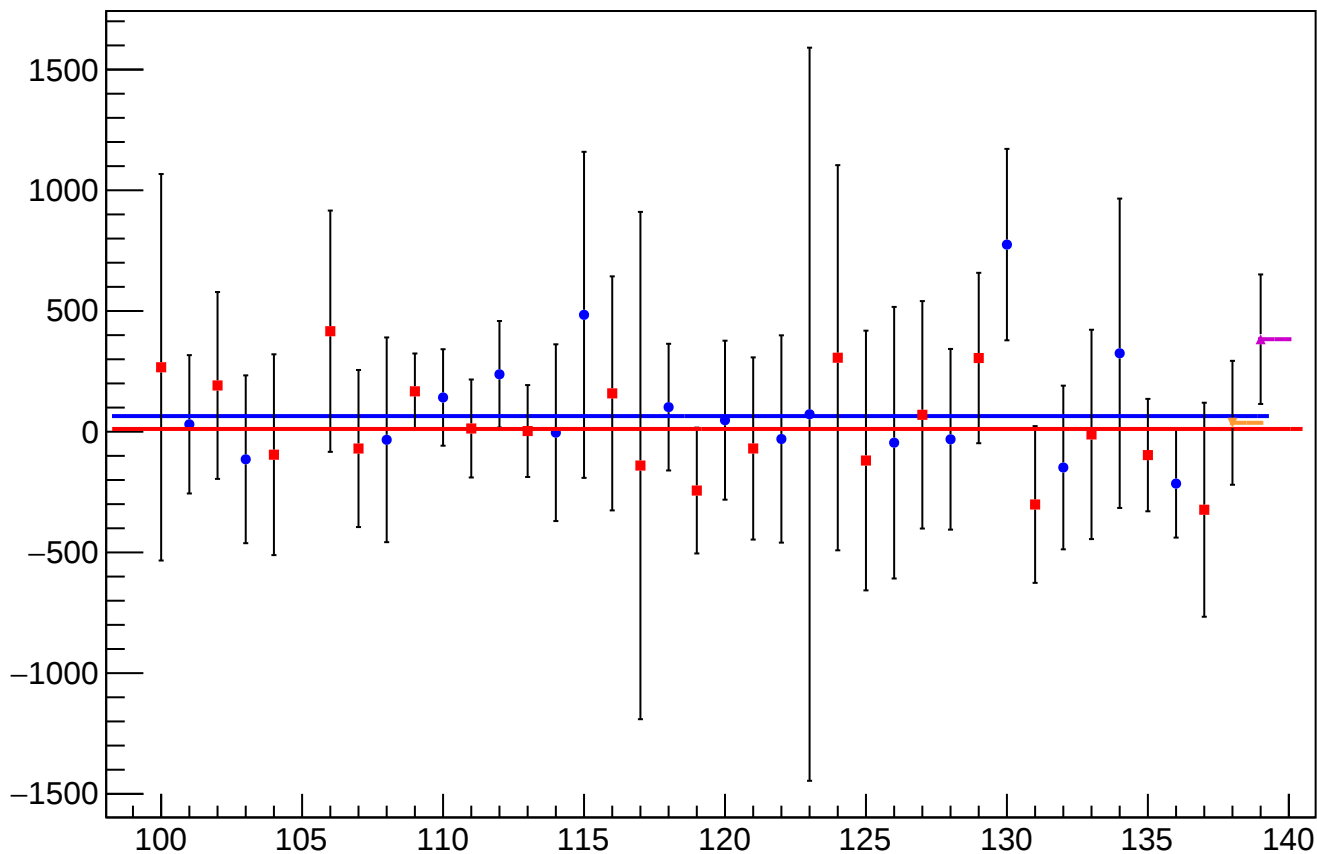
Left In: 218.769 $\pm$ 0.190 χ^2 /NDF: 0.0/0

196.602 $\pm$ 0.054 χ^2 /NDF: 1024599.9/17

185.308 $\pm$ 0.036 χ^2 /NDF: 2729511.3/38

176.234 $\pm$ 0.048 χ^2 /NDF: 1624944.4/20

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 64.733+/-79.399 χ^2/NDF : 7.0/16

Left Out: 36.928+/-256.646 χ^2/NDF : 0.0/0

Right Out: 11.414+/-70.204 χ^2/NDF : 5.8/19

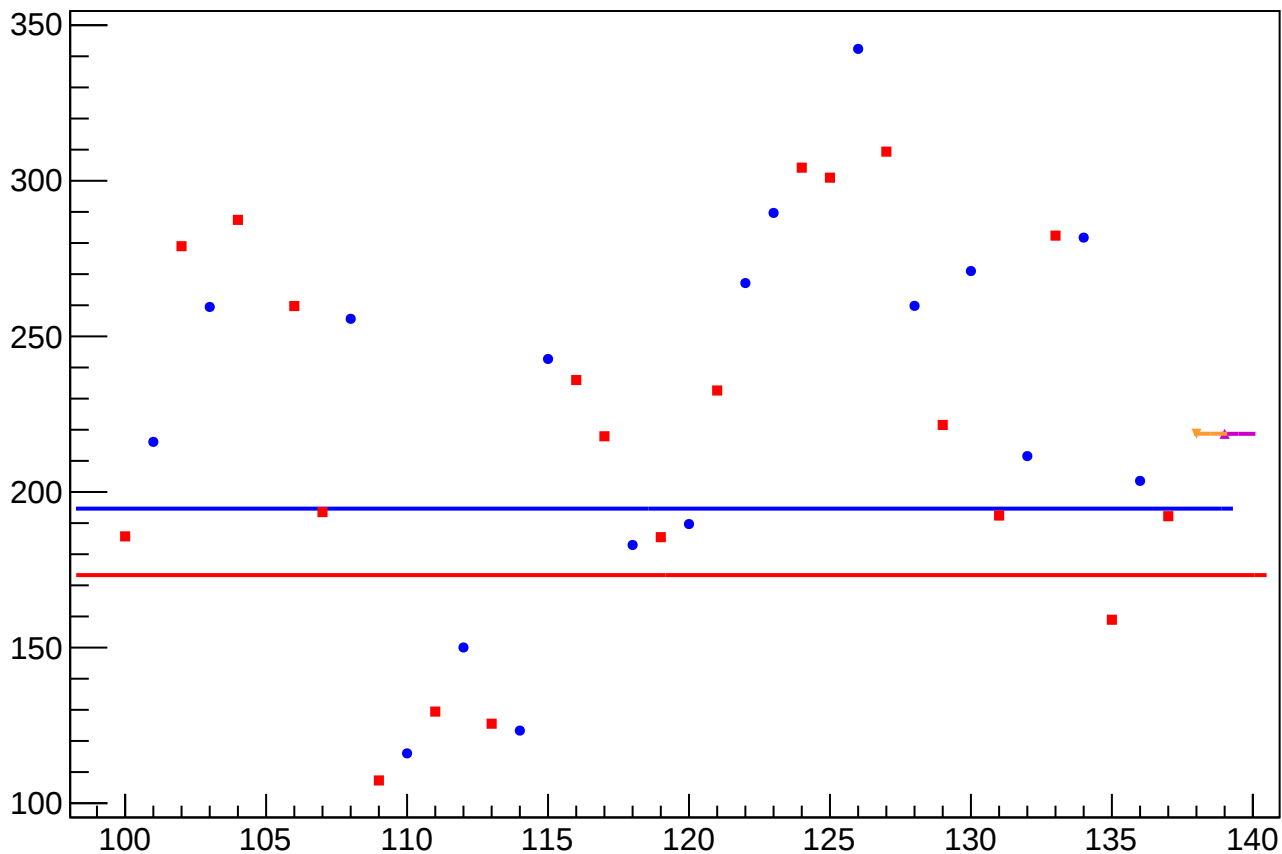
Left In: 383.158+/-268.264 χ^2/NDF : 0.0/0

62.304+/-75.852 χ^2/NDF : 7.0/17

47.283+/-50.598 χ^2/NDF : 14.7/38

35.241+/-67.916 χ^2/NDF : 7.6/20

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.652 $\pm$ 0.056 χ^2 /NDF: 986798.9/16

Left Out: 218.724 $\pm$ 0.181 χ^2 /NDF: 0.0/0

Right Out: 173.289 $\pm$ 0.050 χ^2 /NDF: 1548162.6/19

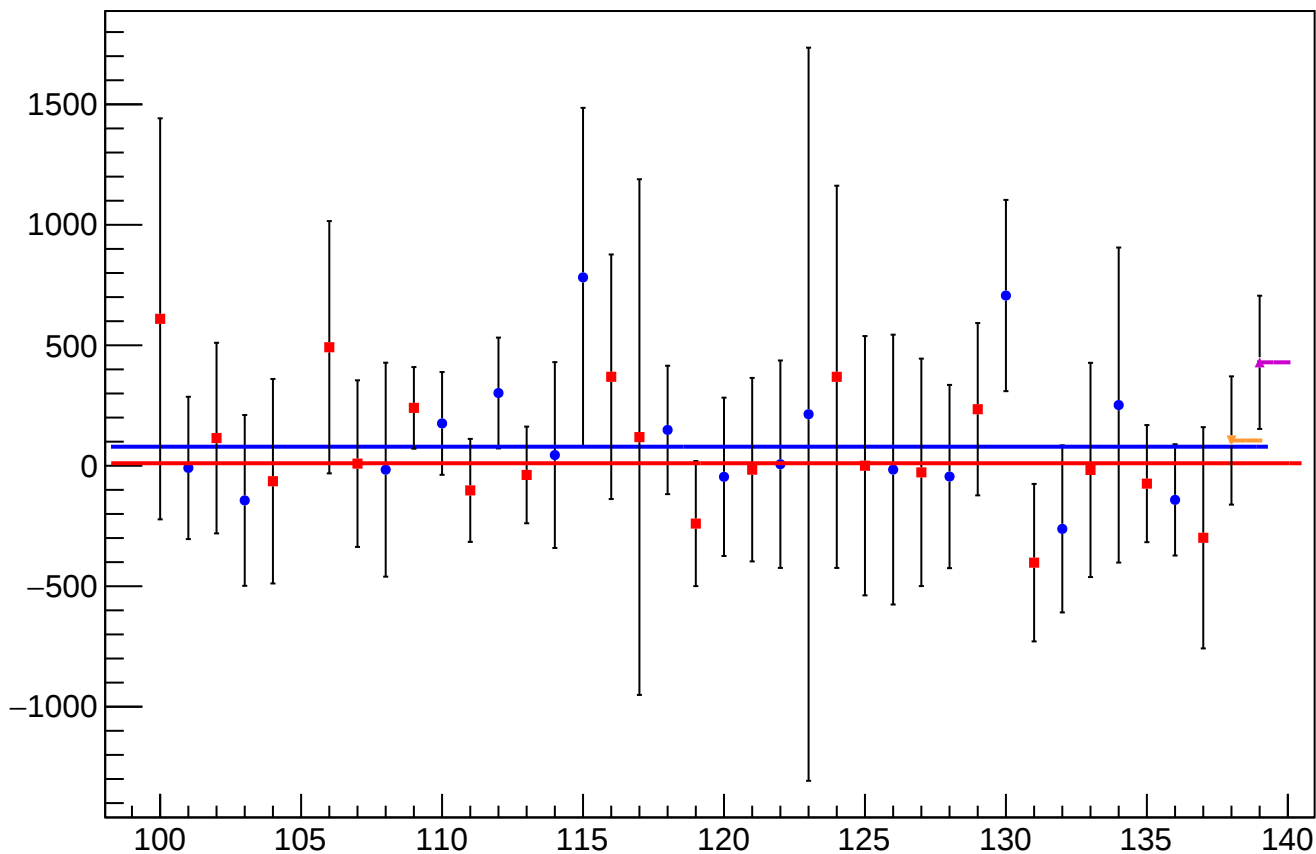
Left In: 218.687 $\pm$ 0.190 χ^2 /NDF: 0.0/0

196.755 $\pm$ 0.054 χ^2 /NDF: 1002856.9/17

185.345 $\pm$ 0.036 χ^2 /NDF: 2686148.9/38

176.199 $\pm$ 0.048 χ^2 /NDF: 1601768.5/20

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 79.128 $\pm$ 81.874 χ^2 /NDF: 7.5/16

Left Out: 104.914 $\pm$ 266.200 χ^2 /NDF: 0.0/0

Right Out: 10.491 $\pm$ 73.139 χ^2 /NDF: 7.9/19

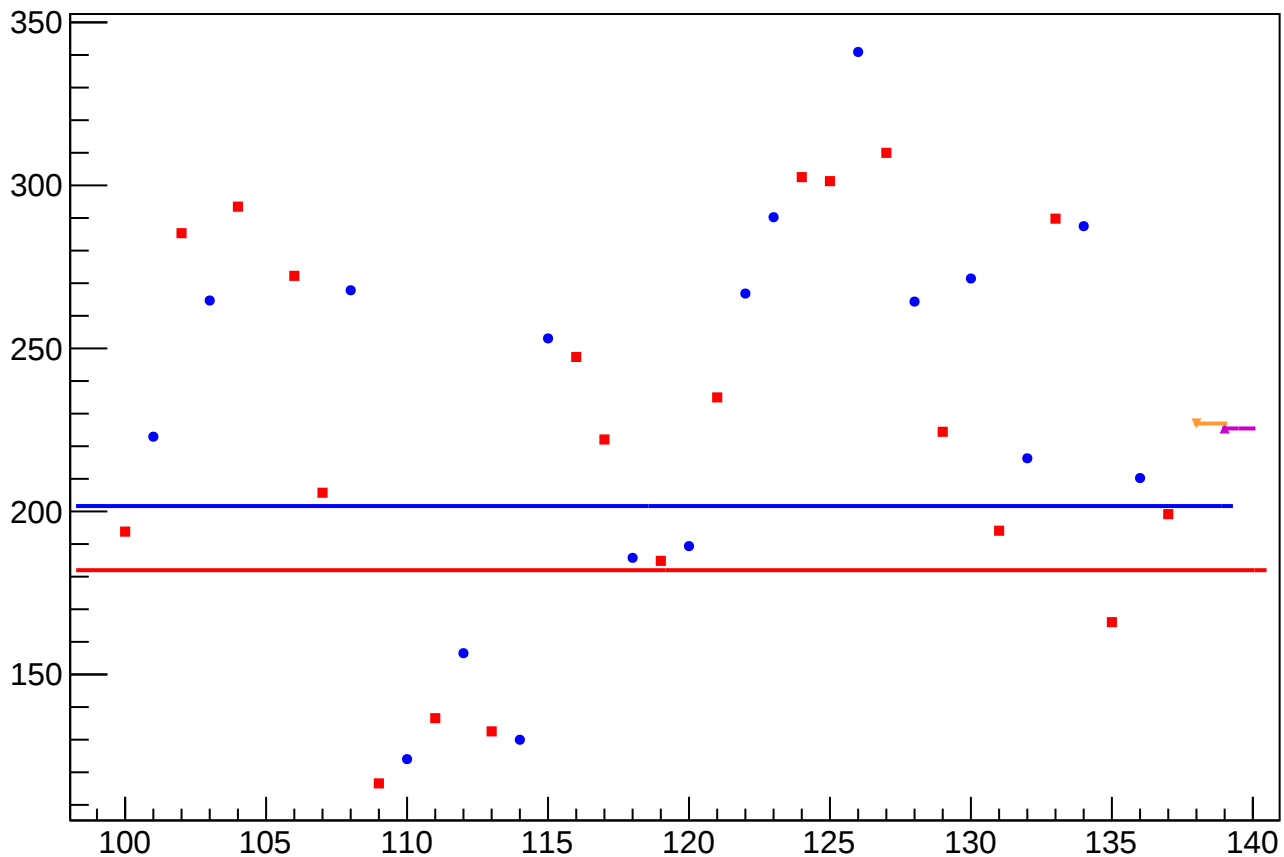
Left In: 429.289 $\pm$ 276.465 χ^2 /NDF: 0.0/0

81.357 $\pm$ 78.257 χ^2 /NDF: 7.5/17

57.423 $\pm$ 52.464 χ^2 /NDF: 17.7/38

37.884 $\pm$ 70.706 χ^2 /NDF: 10.0/20

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 201.654 $\pm$ 0.058 χ^2 /NDF: 883179.7/16

Left Out: 226.974 $\pm$ 0.188 χ^2 /NDF: 0.0/0

Right Out: 181.986 $\pm$ 0.052 χ^2 /NDF: 1380269.0/19

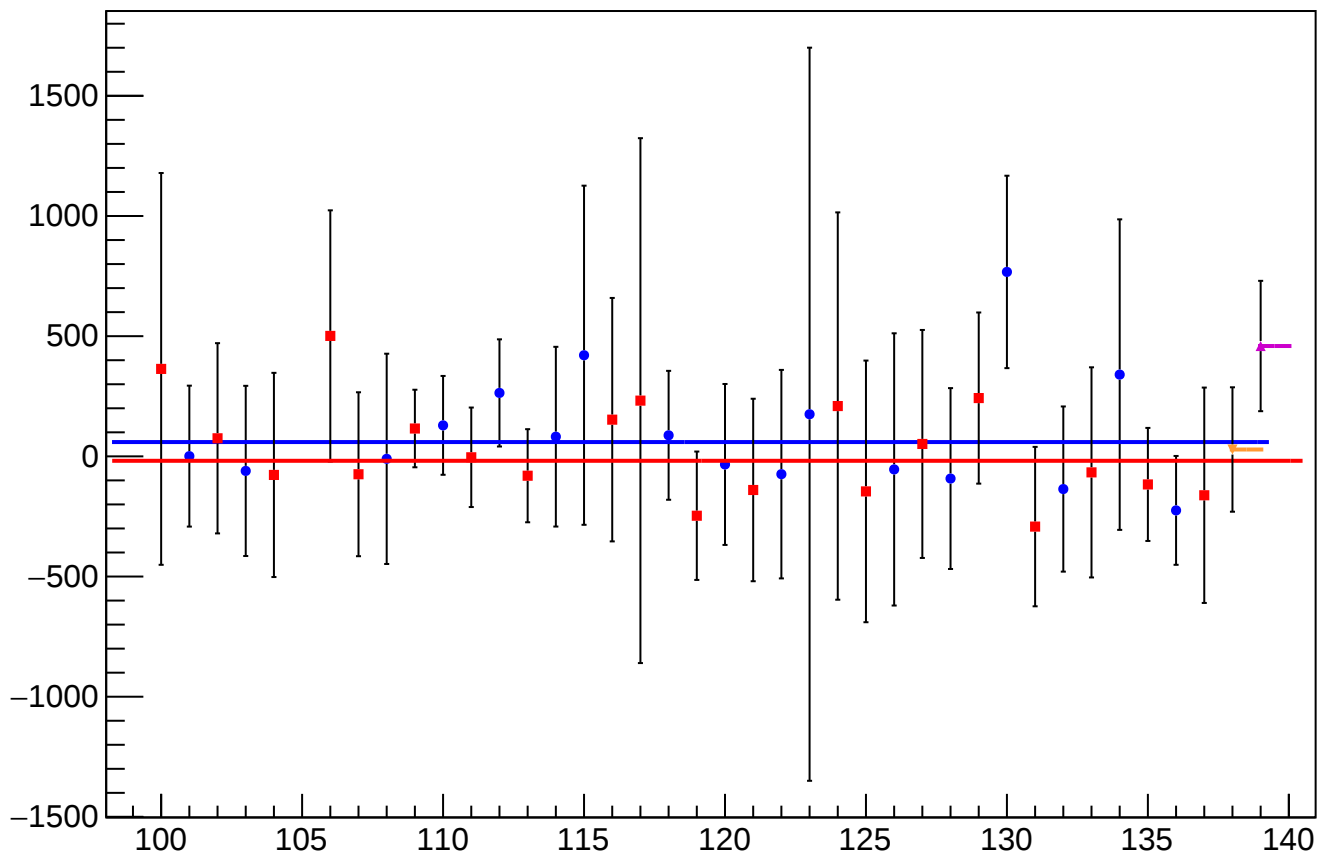
Left In: 225.451 $\pm$ 0.195 χ^2 /NDF: 0.0/0

203.842 $\pm$ 0.055 χ^2 /NDF: 899710.4/17

193.374 $\pm$ 0.037 χ^2 /NDF: 2391184.4/38

184.829 $\pm$ 0.050 χ^2 /NDF: 1426471.4/20

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.496 $\pm$ 80.808 χ^2 /NDF: 7.0/16

Left Out: 28.507 $\pm$ 258.830 χ^2 /NDF: 0.0/0

Right Out: -18.457 $\pm$ 71.711 χ^2 /NDF: 4.8/19

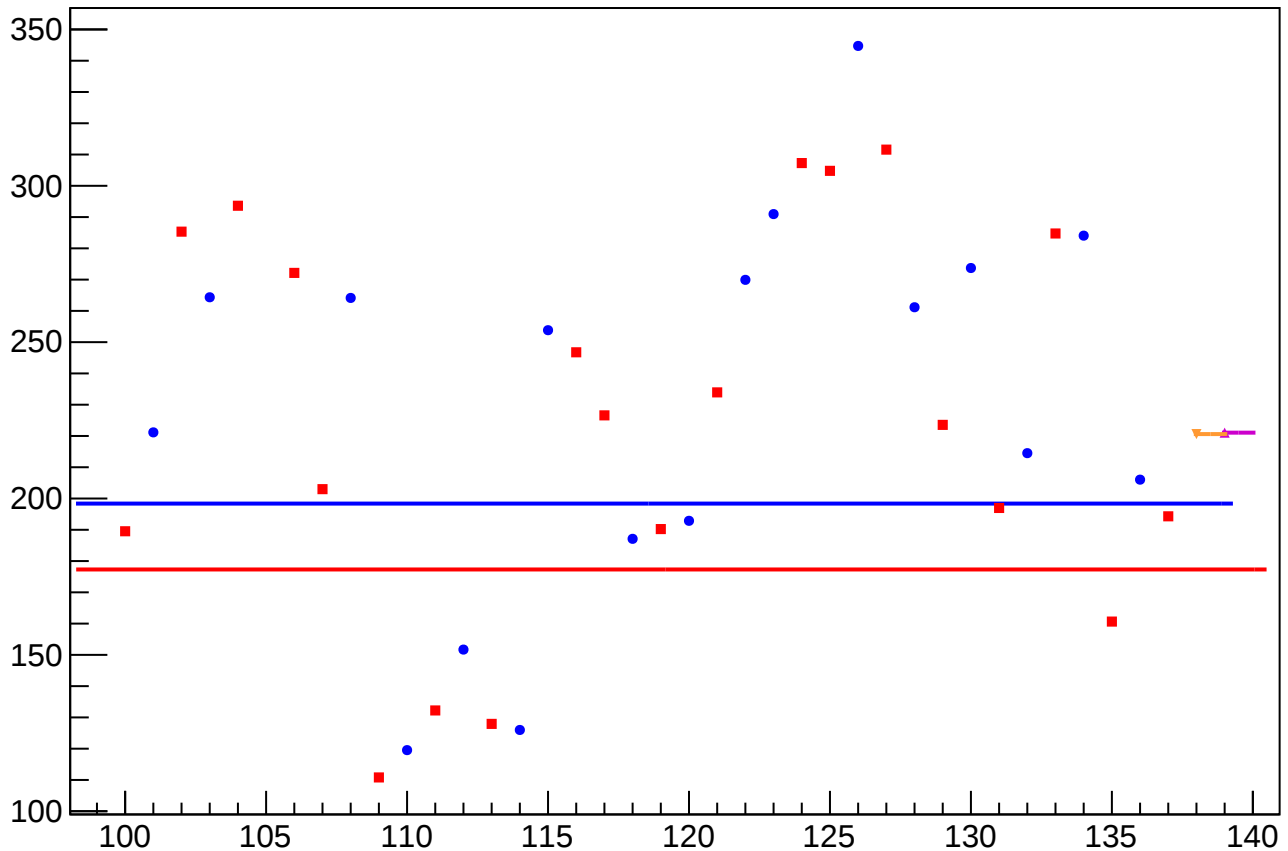
Left In: 459.077 $\pm$ 271.160 χ^2 /NDF: 0.0/0

56.743 $\pm$ 77.136 χ^2 /NDF: 7.0/17

32.412 $\pm$ 51.562 χ^2 /NDF: 14.9/38

12.758 $\pm$ 69.328 χ^2 /NDF: 7.7/20

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.378 $\pm$ 0.057 χ^2 /NDF: 963672.6/16

Left Out: 220.604 $\pm$ 0.183 χ^2 /NDF: 0.0/0

Right Out: 177.309 $\pm$ 0.051 χ^2 /NDF: 1528855.2/19

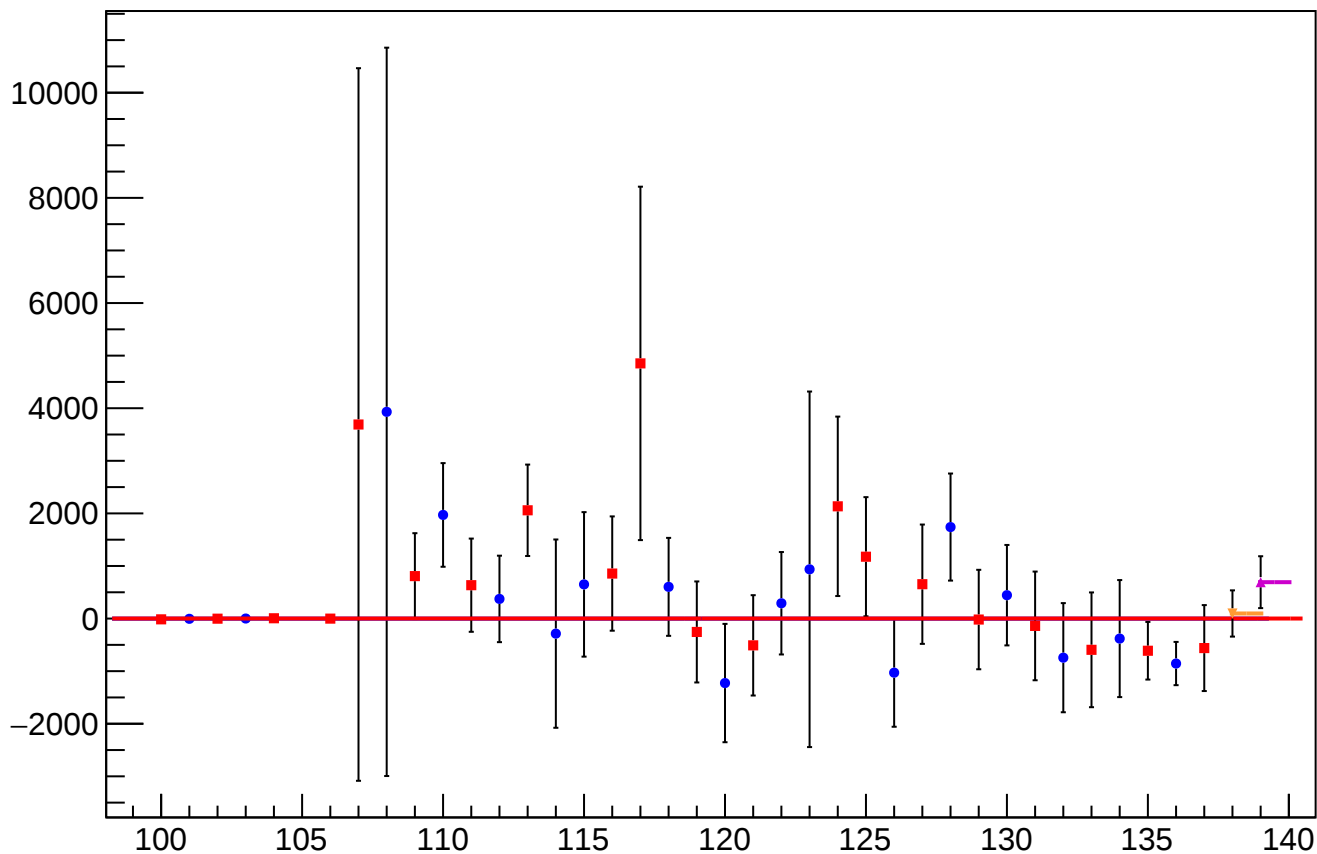
Left In: 221.060 $\pm$ 0.192 χ^2 /NDF: 0.0/0

200.352 $\pm$ 0.055 χ^2 /NDF: 977110.3/17

189.188 $\pm$ 0.036 χ^2 /NDF: 2630369.3/38

180.169 $\pm$ 0.049 χ^2 /NDF: 1577517.2/20

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: 96.714 ± 439.639 χ^2/NDF : 0.0/0

Right Out: 0.728 ± 2.111 χ^2/NDF : 21.4/19

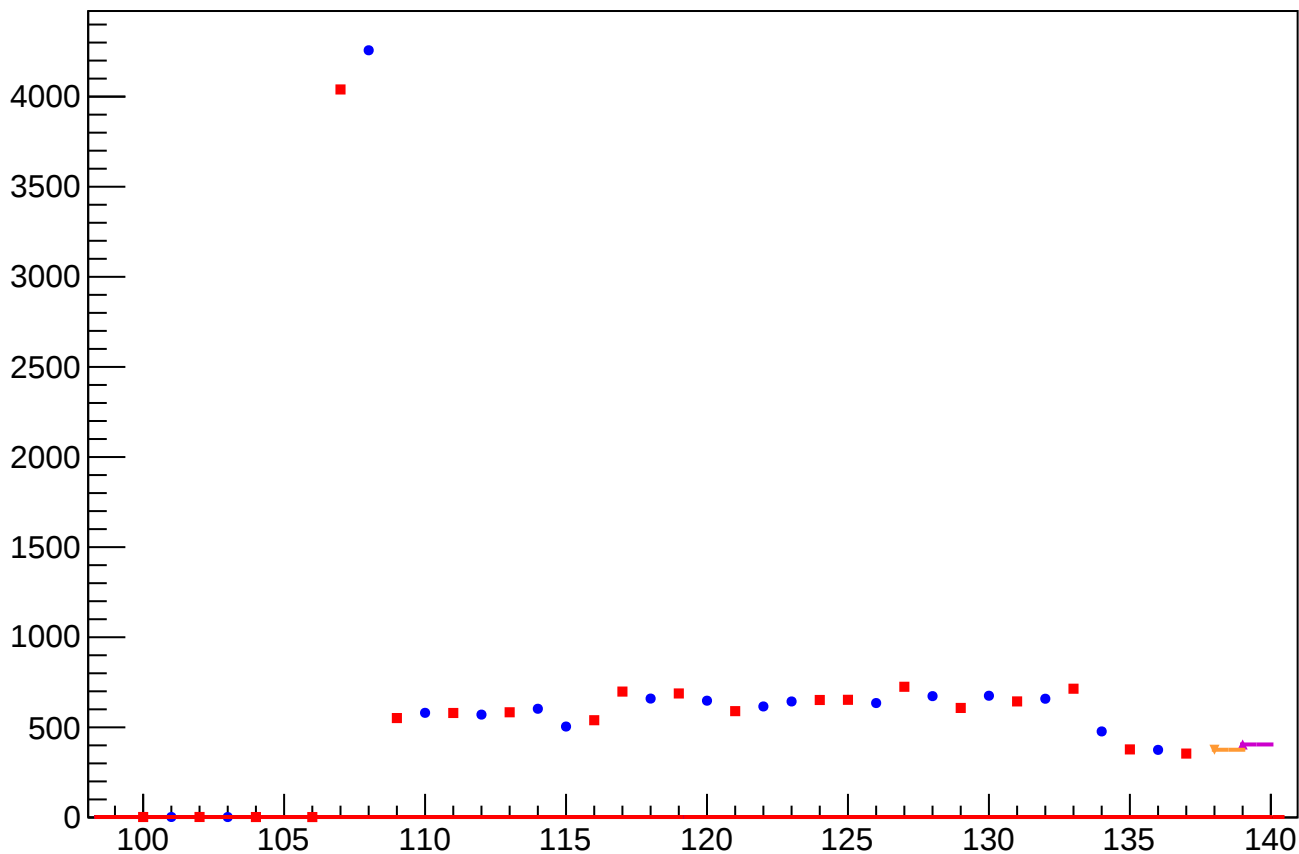
Left In: 692.043 ± 493.146 χ^2/NDF : 0.0/0

-1.527 ± 2.251 χ^2/NDF : 17.0/17

-0.320 ± 1.540 χ^2/NDF : 40.9/38

0.741 ± 2.111 χ^2/NDF : 23.4/20

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 375.729+/-0.311 χ^2/NDF : 0.0/0

Right Out: 2.437+/-0.001 χ^2/NDF : 11233207.9/19

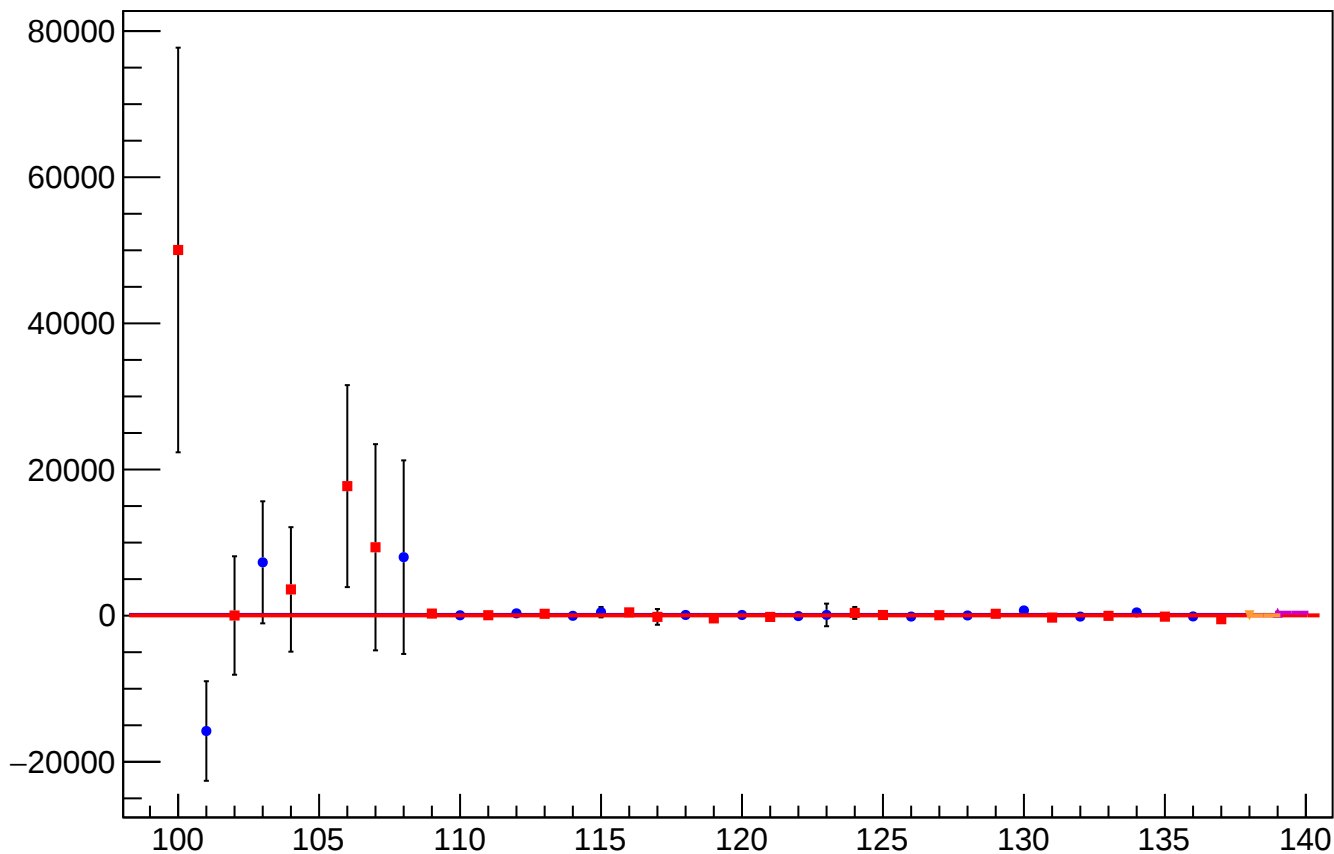
Left In: 405.036+/-0.349 χ^2/NDF : 0.0/0

2.466+/-0.002 χ^2/NDF : 12289511.0/17

2.455+/-0.001 χ^2/NDF : 24855776.6/38

2.444+/-0.001 χ^2/NDF : 12566163.5/20

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: 48.838+/-260.113 χ^2/NDF : 0.0/0

Right Out: 41.024+/-84.237 χ^2/NDF : 13.9/19

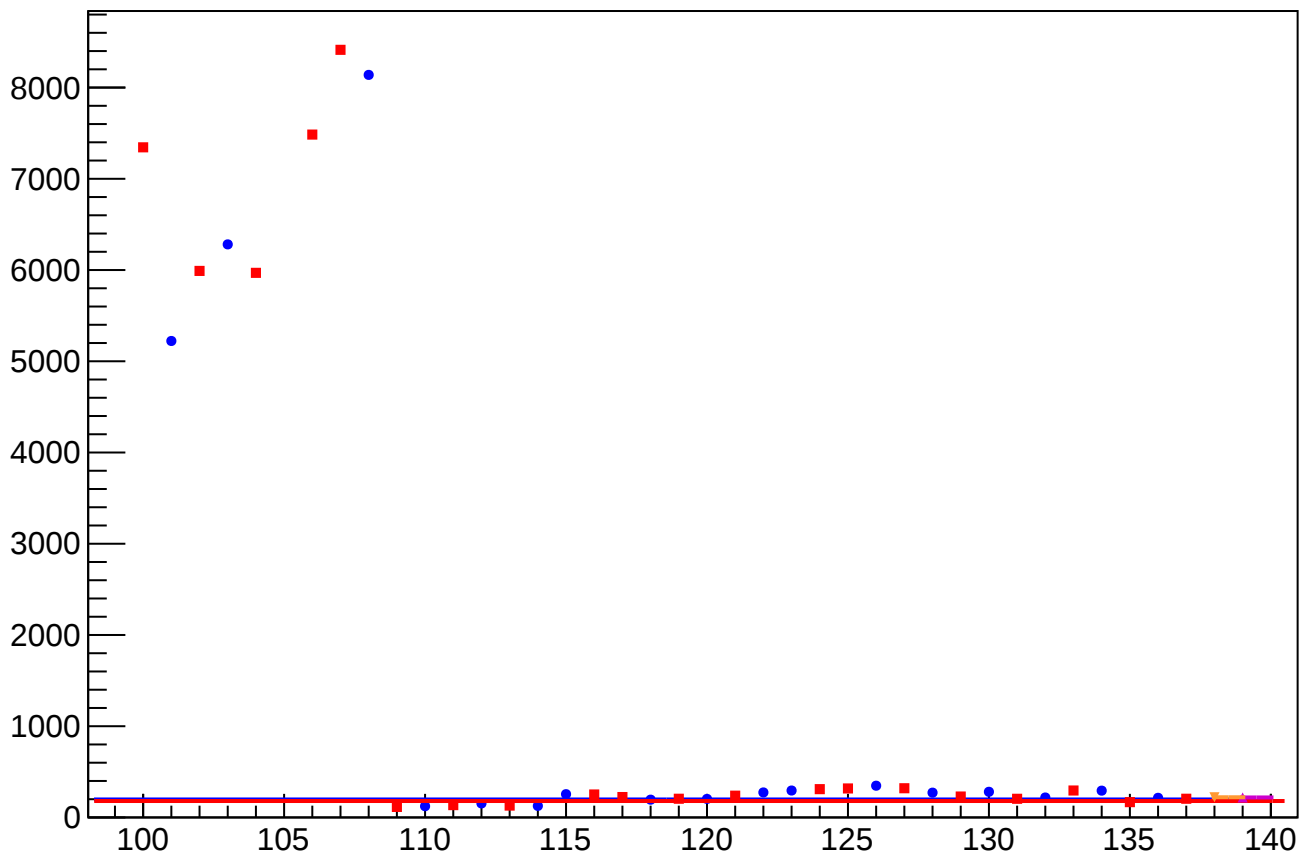
Left In: 404.749+/-269.296 χ^2/NDF : 0.0/0

93.227+/-85.777 χ^2/NDF : 11.9/17

82.694+/-58.659 χ^2/NDF : 27.5/38

73.441+/-80.396 χ^2/NDF : 15.6/20

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.086+/-0.064 χ^2/NDF : 3693614.0/16

Left Out: 221.182+/-0.184 χ^2/NDF : 0.0/0

Right Out: 180.217+/-0.060 χ^2/NDF : 4324457.3/19

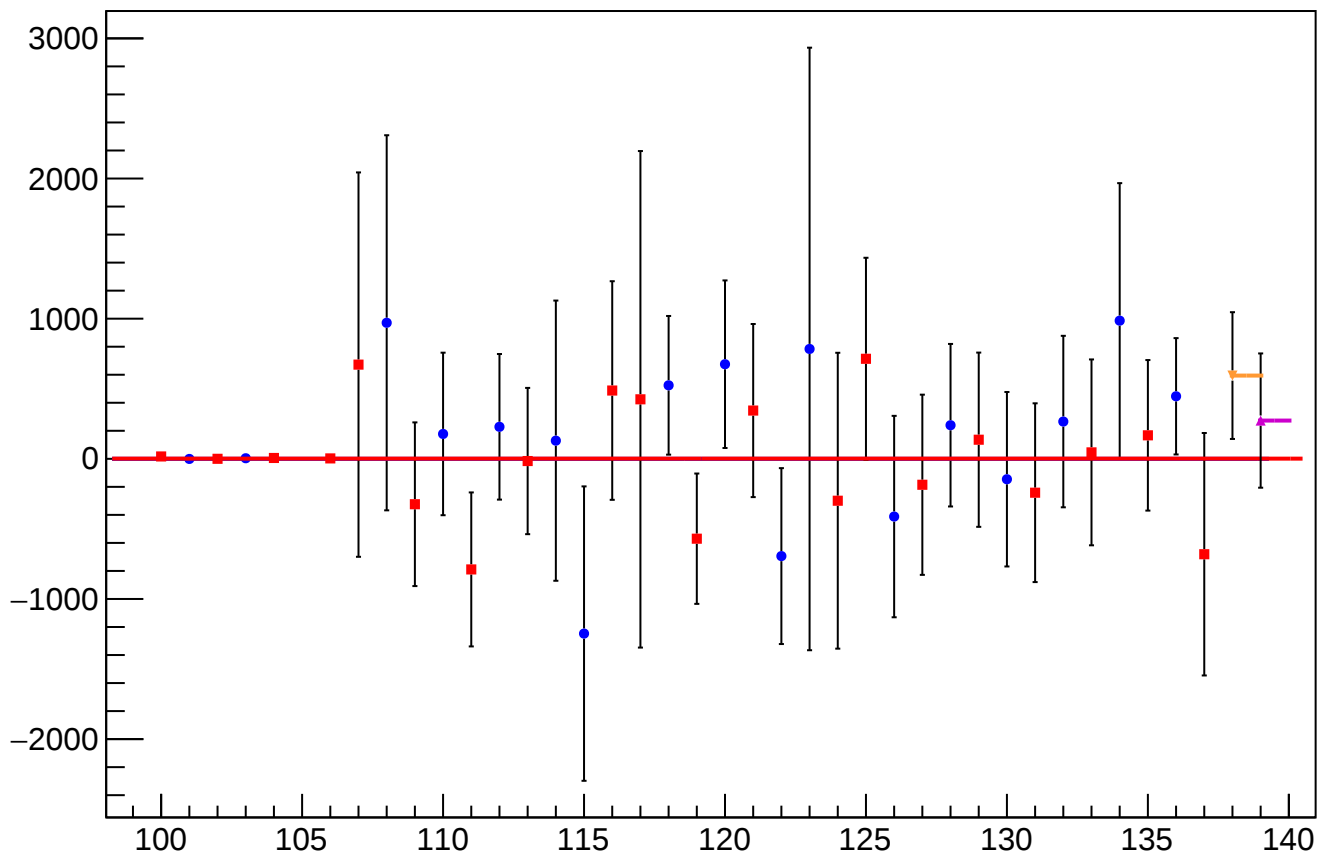
Left In: 219.155+/-0.190 χ^2/NDF : 0.0/0

199.706+/-0.061 χ^2/NDF : 3708911.7/17

191.178+/-0.041 χ^2/NDF : 8108585.9/38

183.687+/-0.057 χ^2/NDF : 4362543.4/20

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: 593.976 ± 452.268 χ^2/NDF : 0.0/0

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.7/19

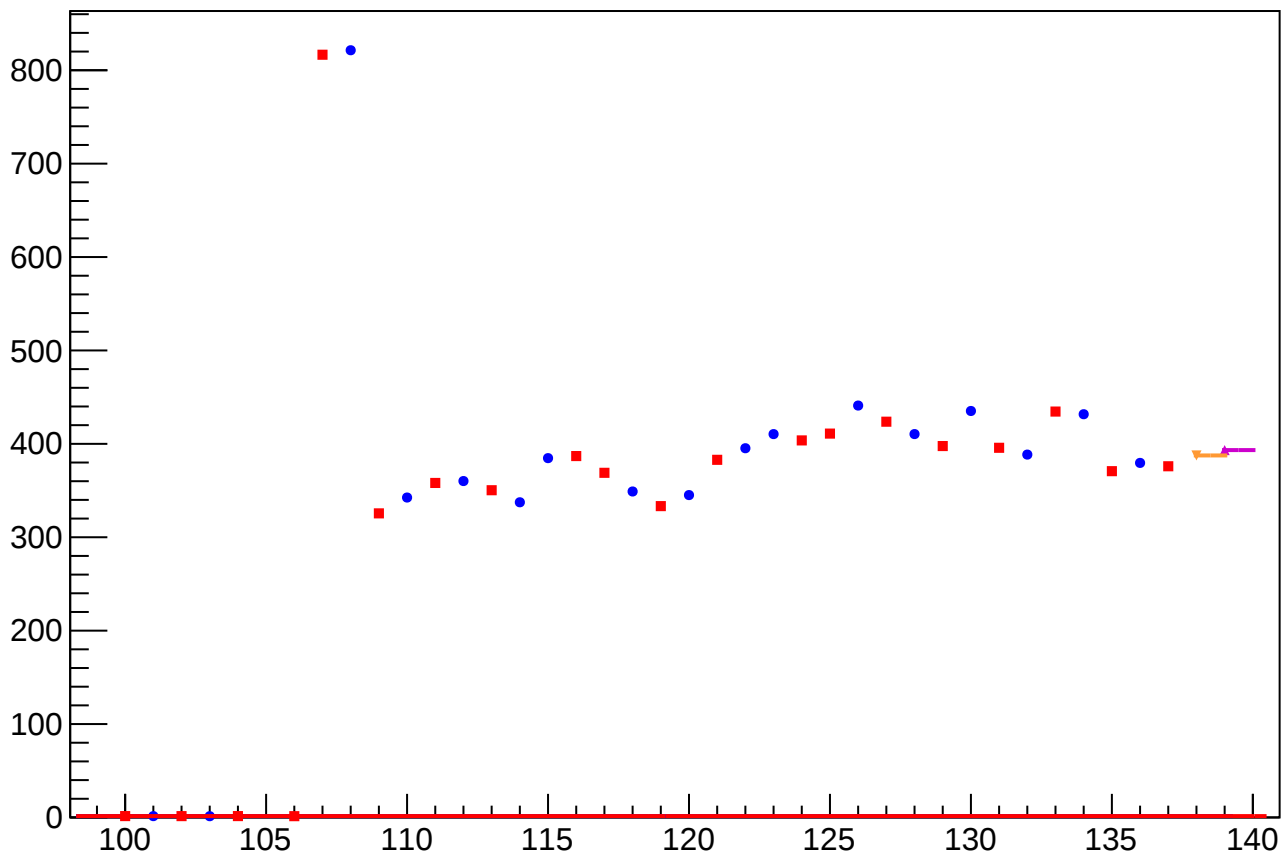
Left In: 272.932 ± 479.000 χ^2/NDF : 0.0/0

-0.129 ± 1.737 χ^2/NDF : 11.5/17

0.648 ± 1.186 χ^2/NDF : 21.8/38

1.327 ± 1.623 χ^2/NDF : 10.0/20

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 387.583+/-0.320 χ^2/NDF : 0.0/0

Right Out: 1.451+/-0.001 χ^2/NDF : 10966832.6/19

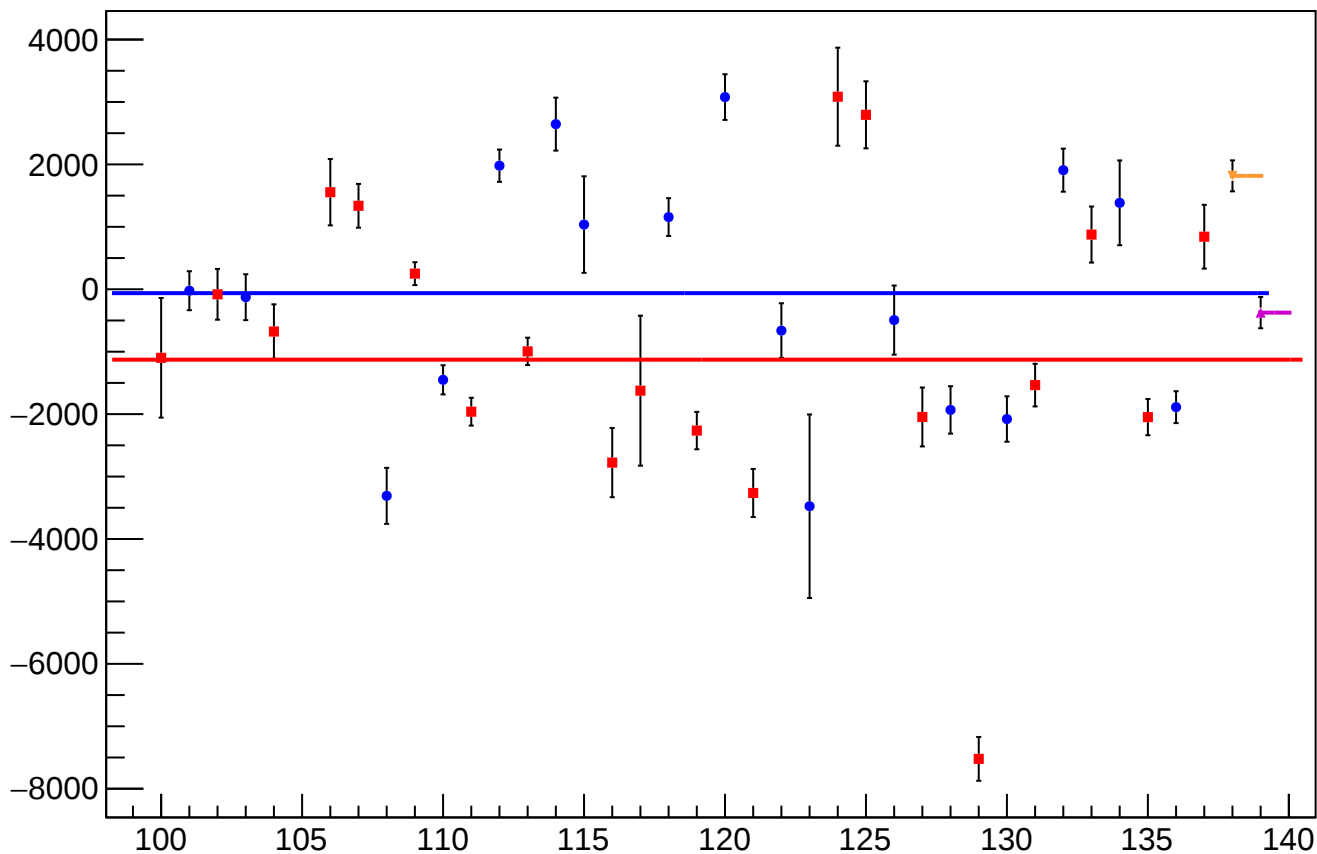
Left In: 393.316+/-0.339 χ^2/NDF : 0.0/0

1.459+/-0.001 χ^2/NDF : 12415793.9/17

1.457+/-0.001 χ^2/NDF : 24721157.5/38

1.456+/-0.001 χ^2/NDF : 12305361.1/20

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -62.164 ± 87.424 χ^2/NDF : 433.9/16

Left Out: 1816.614 ± 248.032 χ^2/NDF : 0.0/0

Right Out: -1127.552 ± 78.203 χ^2/NDF : 671.4/19

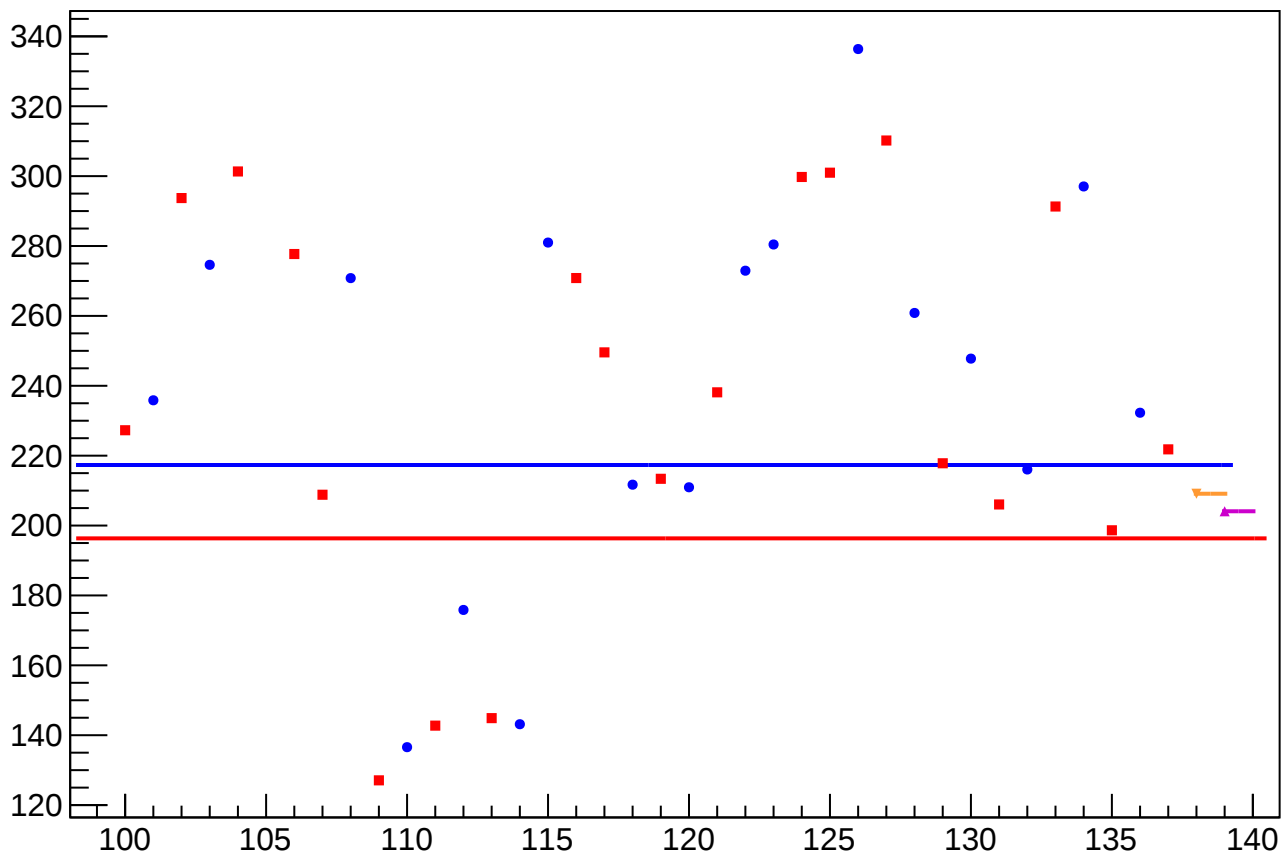
Left In: -374.164 ± 250.662 χ^2/NDF : 0.0/0

145.453 ± 82.452 χ^2/NDF : 485.0/17

-517.354 ± 55.341 χ^2/NDF : 1282.2/38

-1060.725 ± 74.654 χ^2/NDF : 679.6/20

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.330+/-0.062 χ^2/NDF : 652722.5/16

Left Out: 209.106+/-0.175 χ^2/NDF : 0.0/0

Right Out: 196.332+/-0.055 χ^2/NDF : 1194678.0/19

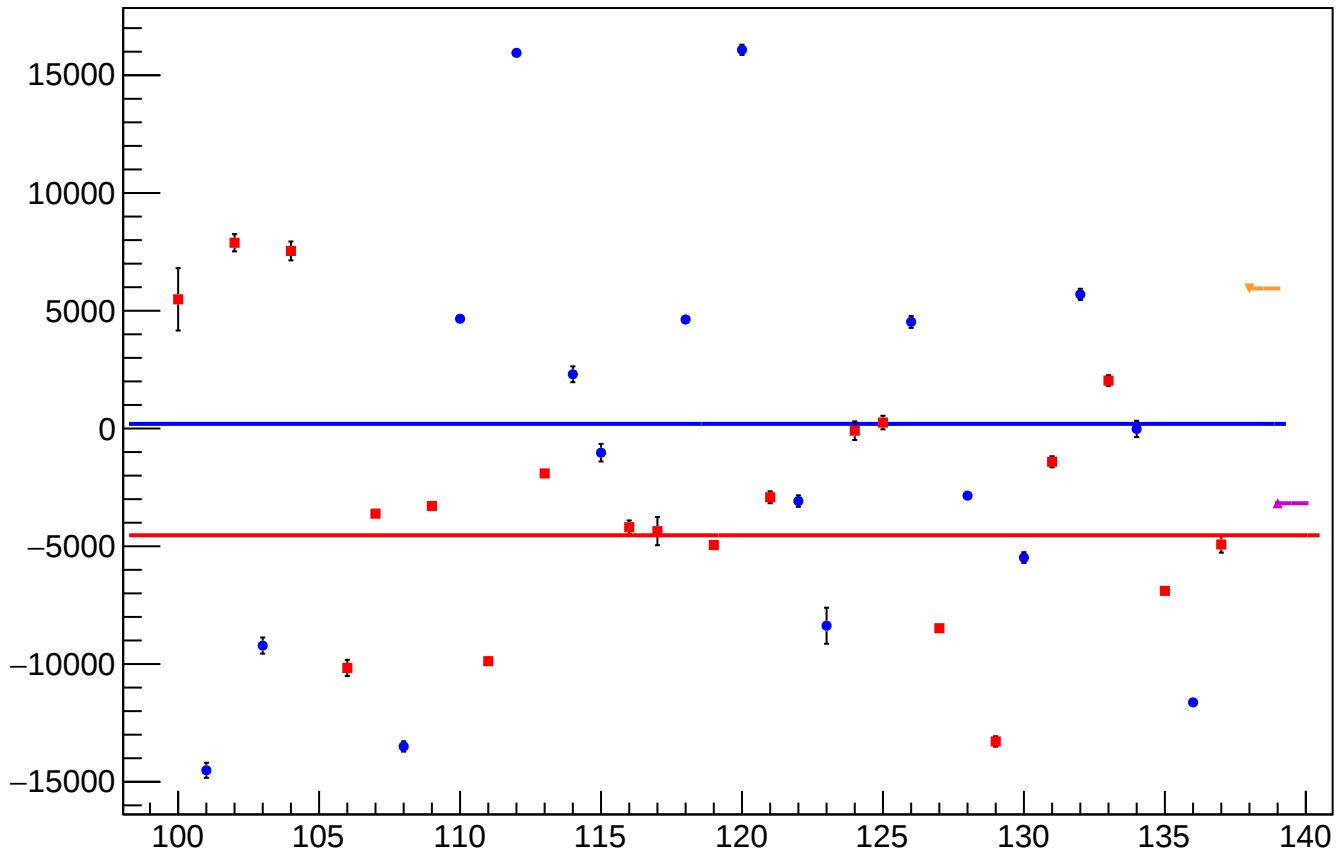
Left In: 204.087+/-0.177 χ^2/NDF : 0.0/0

216.421+/-0.058 χ^2/NDF : 654678.3/17

205.760+/-0.039 χ^2/NDF : 1911952.1/38

197.020+/-0.053 χ^2/NDF : 1196422.6/20

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: 5946.609+/-189.647 χ^2/NDF : 0.0/0

Right Out: -4532.856+/-52.261 χ^2/NDF : 7477.3/19

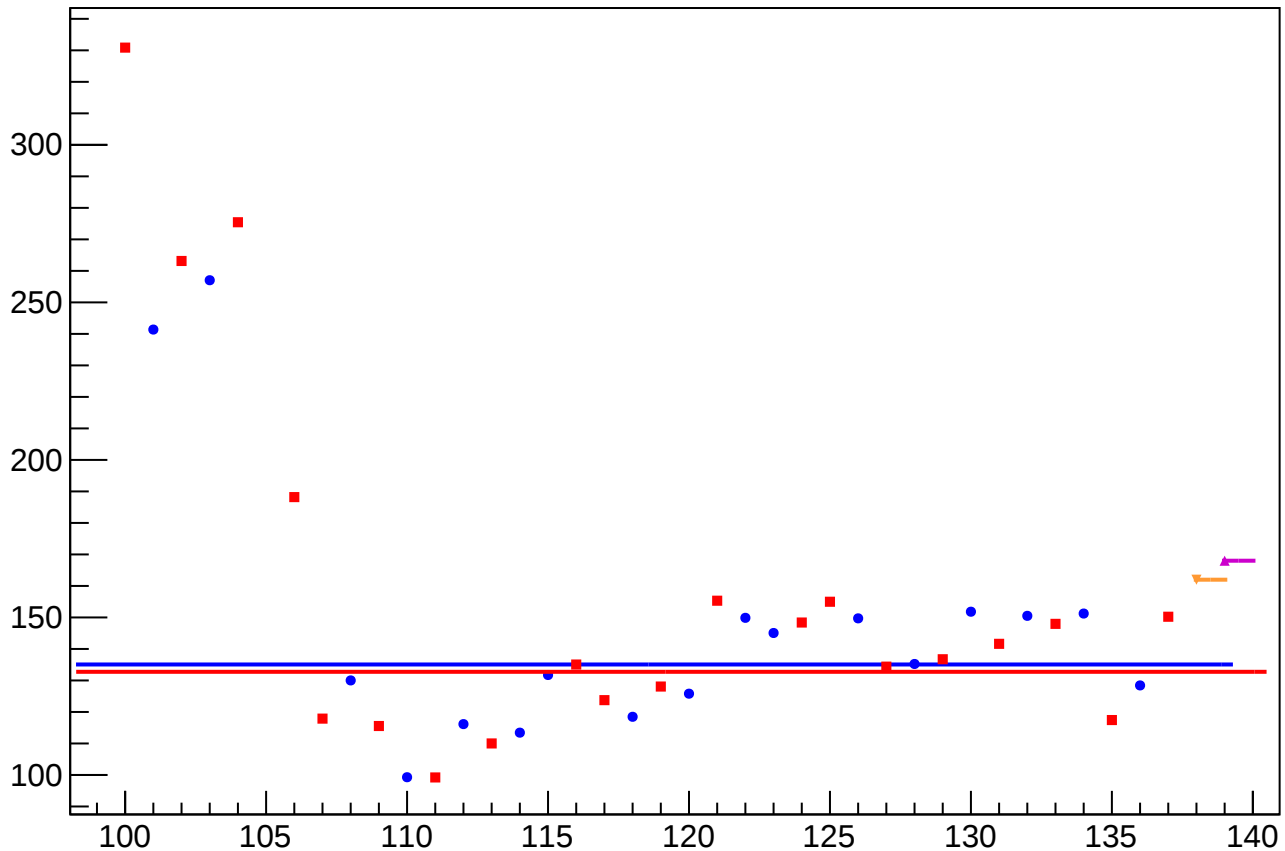
Left In: -3173.321+/-206.324 χ^2/NDF : 0.0/0

640.064+/-52.645 χ^2/NDF : 31506.6/17

-2003.135+/-36.504 χ^2/NDF : 43880.0/38

-4450.888+/-50.661 χ^2/NDF : 7518.1/20

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 161.982 $\pm$ 0.134 χ^2 /NDF: 0.0/0

Right Out: 132.747 $\pm$ 0.037 χ^2 /NDF: 831647.2/19

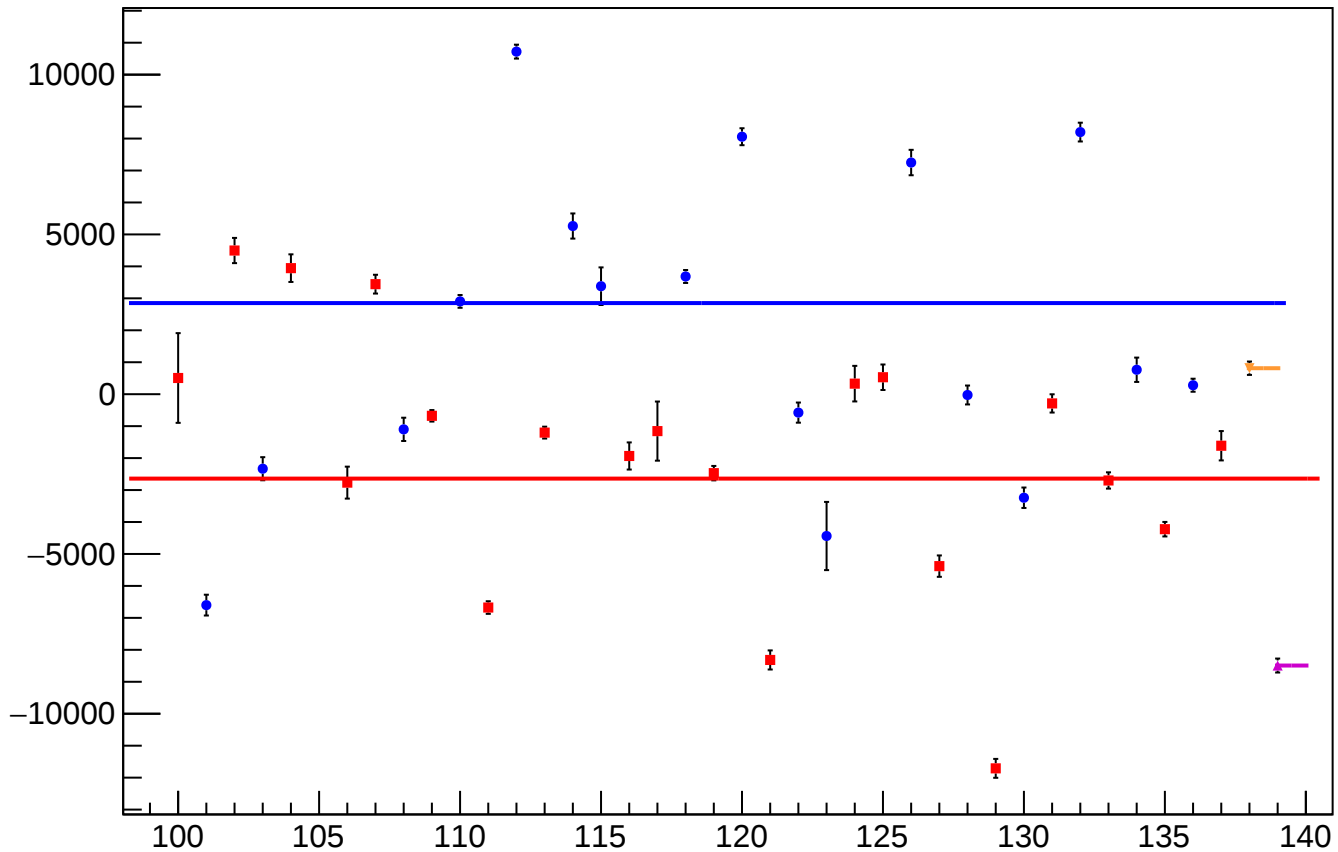
Left In: 168.006 $\pm$ 0.146 χ^2 /NDF: 0.0/0

137.145 $\pm$ 0.037 χ^2 /NDF: 695869.9/17

135.966 $\pm$ 0.026 χ^2 /NDF: 1584339.1/38

134.873 $\pm$ 0.036 χ^2 /NDF: 886534.1/20

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: 812.814+/-209.515 χ^2/NDF : 0.0/0

Right Out: -2641.642+/-65.566 χ^2/NDF : 3178.3/19

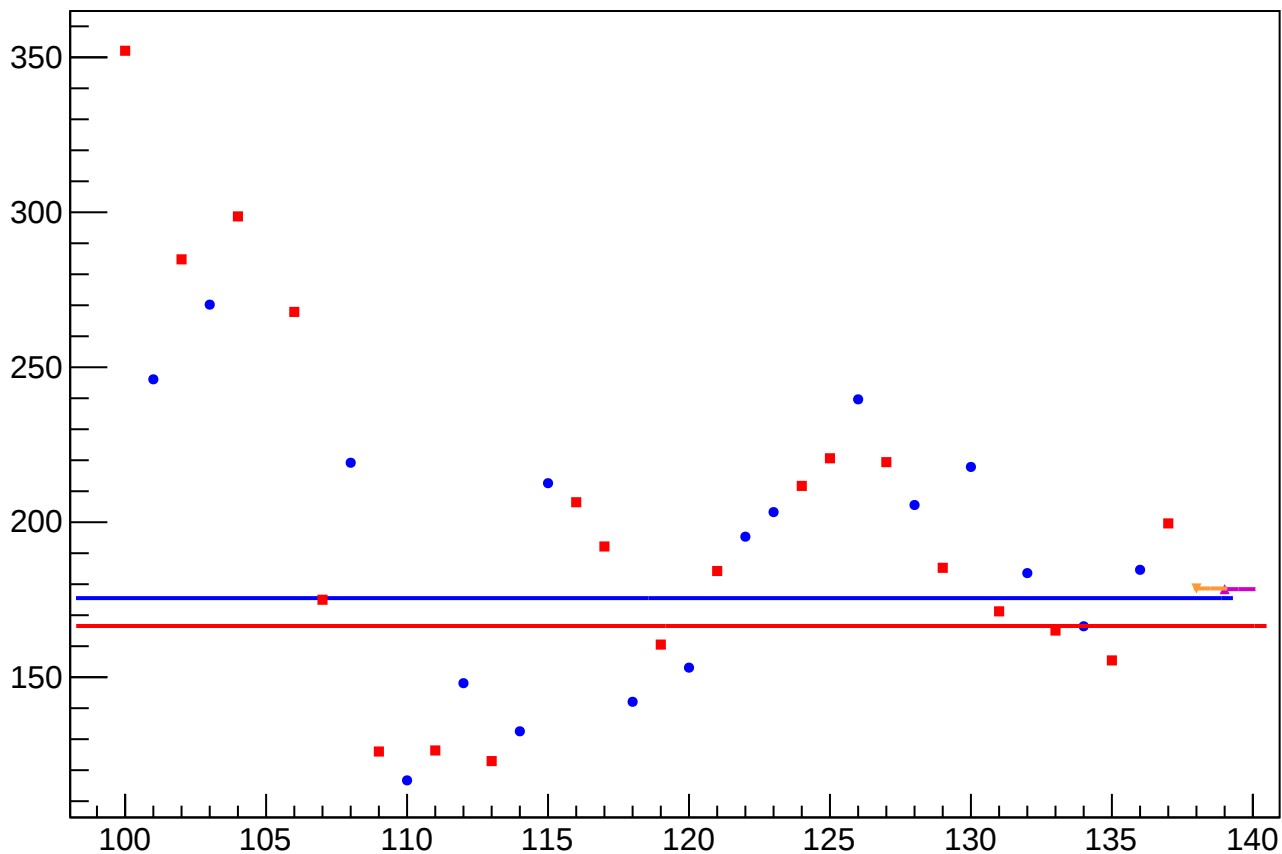
Left In: -8491.955+/-218.578 χ^2/NDF : 0.0/0

2642.749+/-67.034 χ^2/NDF : 4263.1/17

-428.759+/-45.831 χ^2/NDF : 12040.8/38

-3124.591+/-62.801 χ^2/NDF : 3835.5/20

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 175.514+/-0.050 χ^2/NDF : 689642.3/16

Left Out: 178.631+/-0.148 χ^2/NDF : 0.0/0

Right Out: 166.522+/-0.046 χ^2/NDF : 931079.9/19

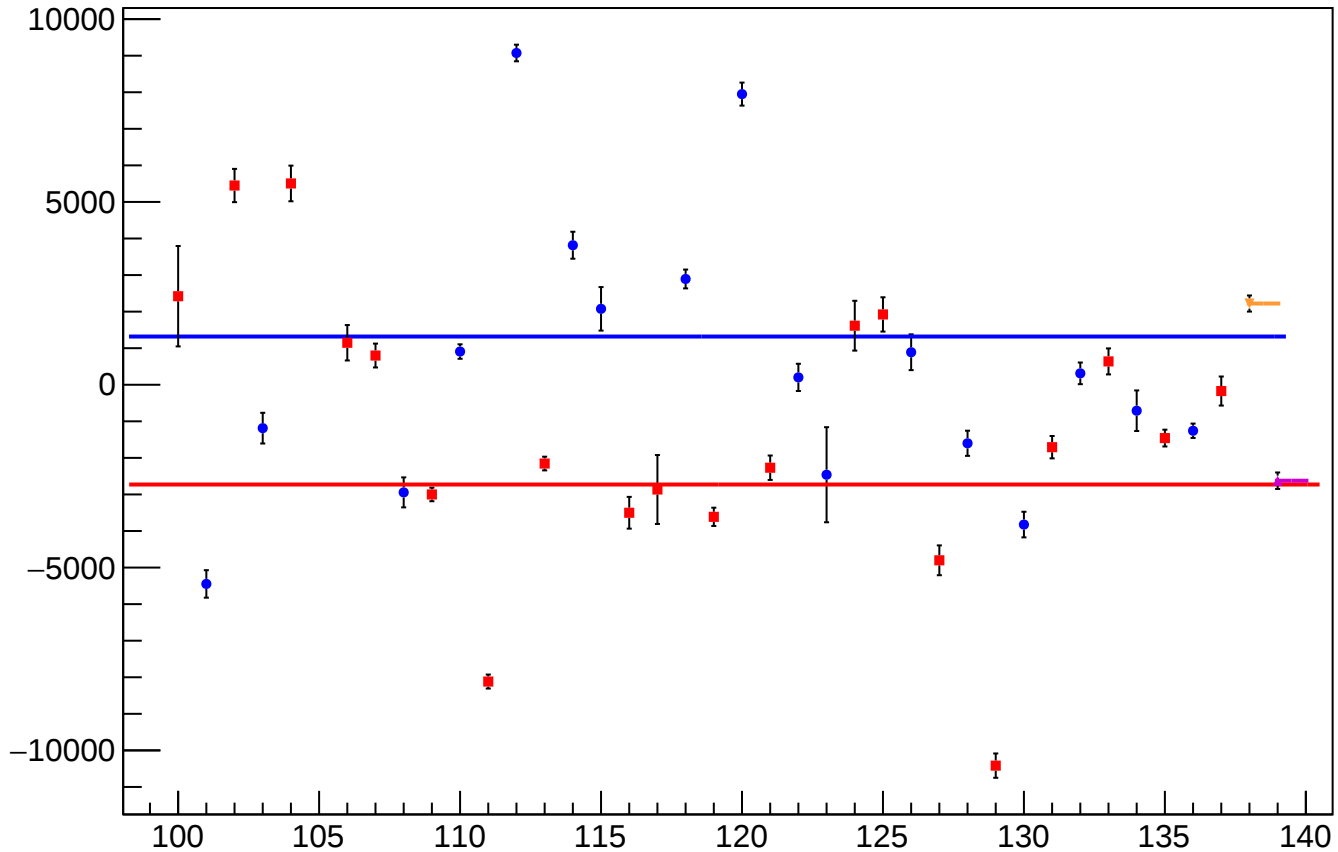
Left In: 178.411+/-0.155 χ^2/NDF : 0.0/0

175.833+/-0.047 χ^2/NDF : 690039.5/17

171.397+/-0.032 χ^2/NDF : 1642993.3/38

167.504+/-0.044 χ^2/NDF : 936507.9/20

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 2221.622+/-220.278 χ^2/NDF : 0.0/0

Right Out: -2728.550+/-69.837 χ^2/NDF : 2495.9/19

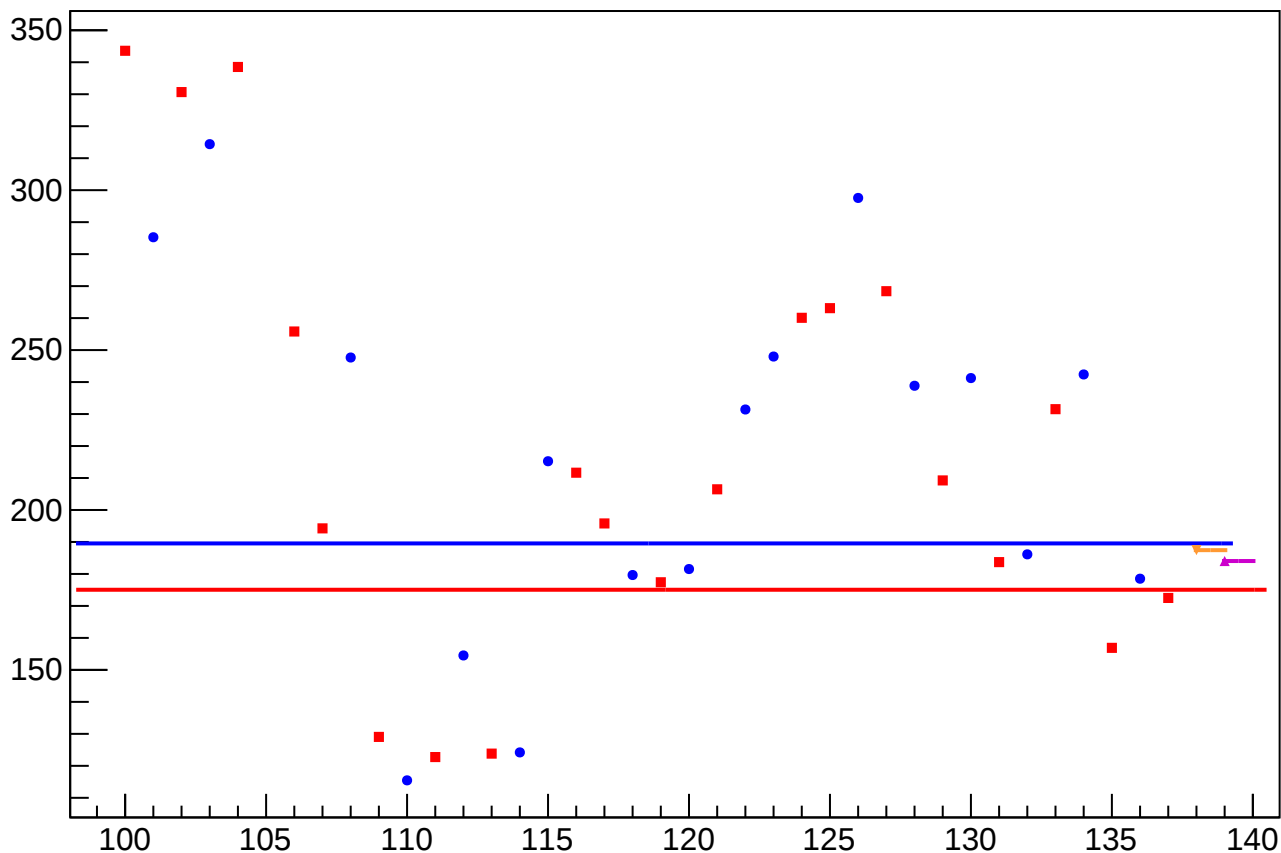
Left In: -2624.561+/-225.333 χ^2/NDF : 0.0/0

1417.623+/-72.810 χ^2/NDF : 2682.0/17

-831.535+/-49.185 χ^2/NDF : 6933.3/38

-2719.436+/-66.706 χ^2/NDF : 2496.1/20

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 187.441 $\pm$ 0.156 χ^2 /NDF: 0.0/0

Right Out: 175.058 $\pm$ 0.049 χ^2 /NDF: 1298079.7/19

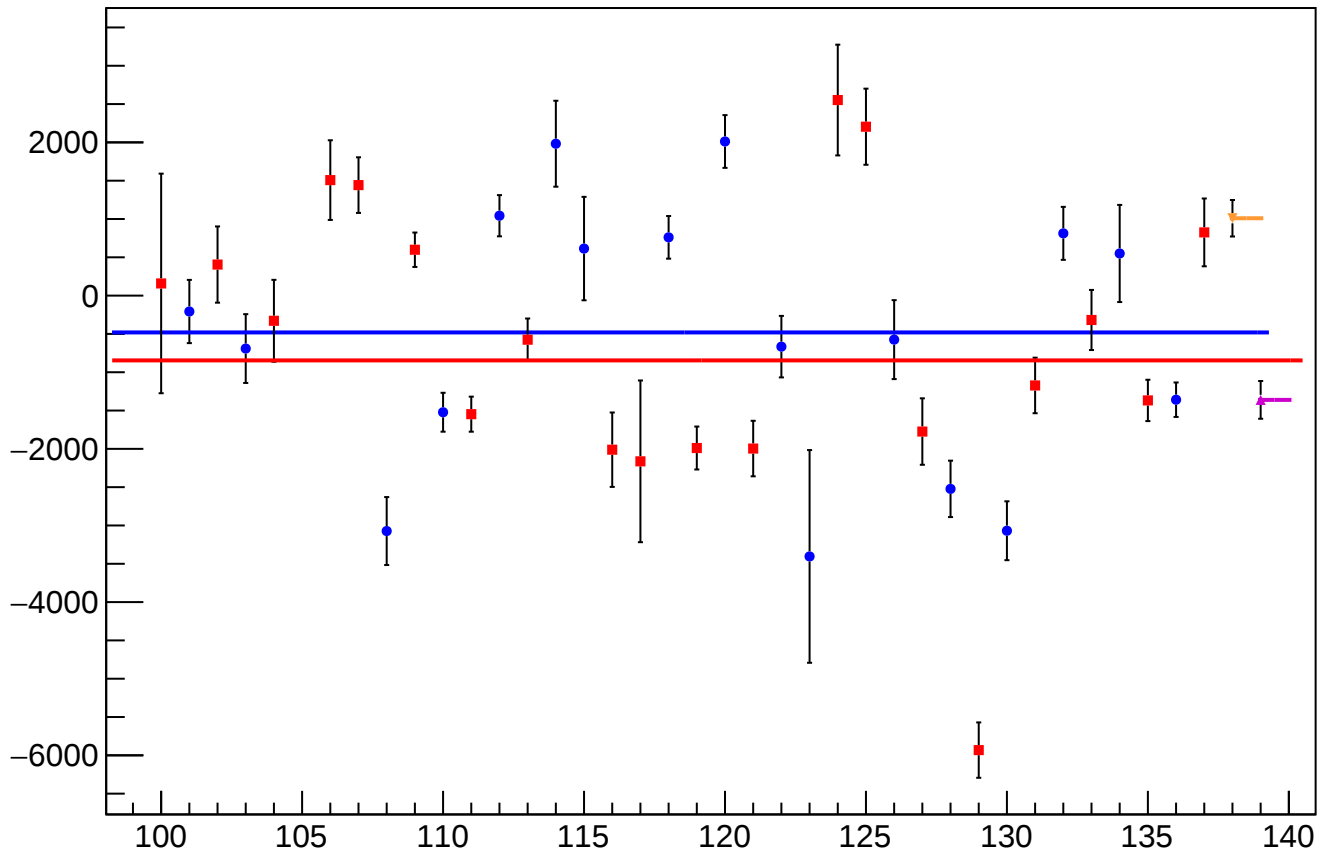
Left In: 184.041 $\pm$ 0.159 χ^2 /NDF: 0.0/0

189.315 $\pm$ 0.051 χ^2 /NDF: 980907.1/17

181.992 $\pm$ 0.035 χ^2 /NDF: 2319097.7/38

175.845 $\pm$ 0.047 χ^2 /NDF: 1300979.8/20

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -480.578 $\pm$ 88.640 χ^2/NDF : 290.7/16

Left Out: 1009.713 $\pm$ 238.051 χ^2/NDF : 0.0/0

Right Out: -845.444 $\pm$ 81.995 χ^2/NDF : 436.9/19

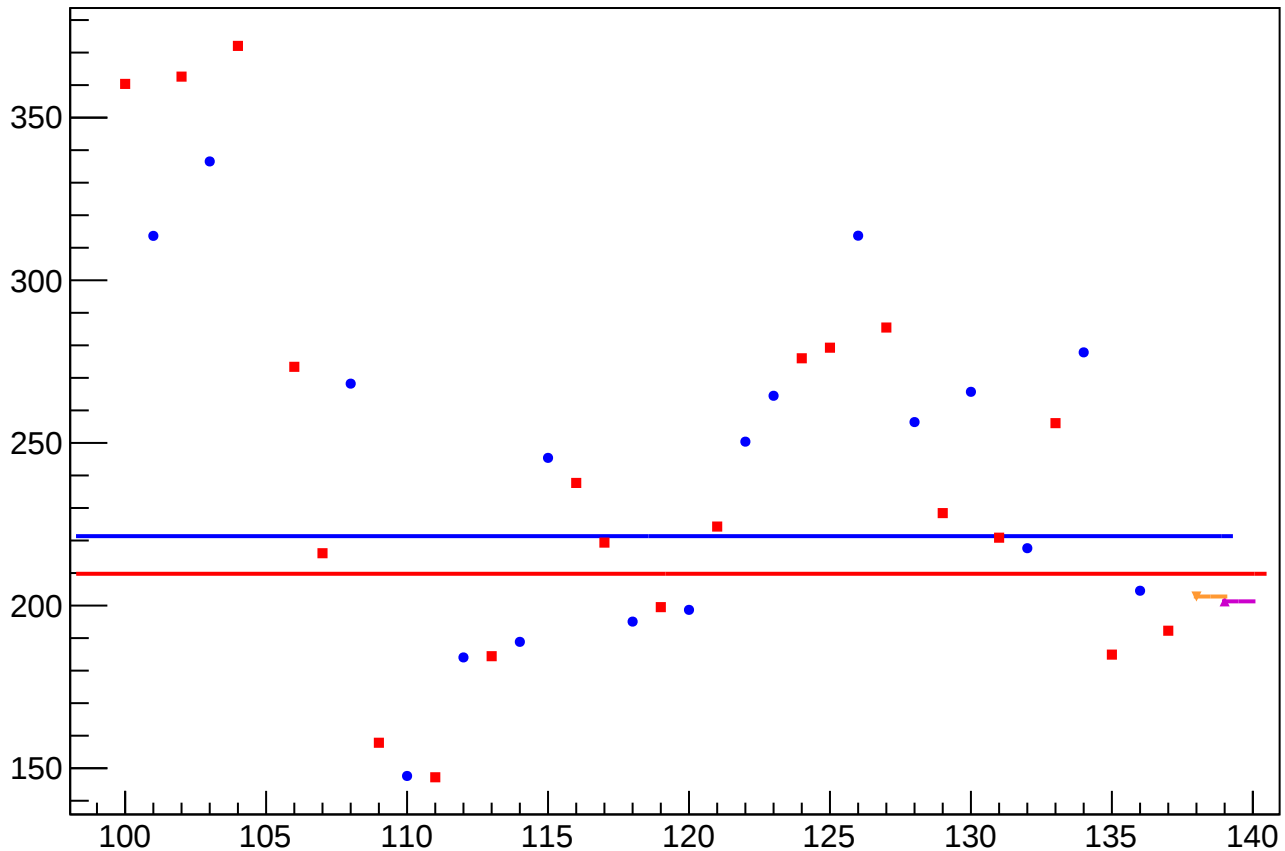
Left In: -1360.927 $\pm$ 246.243 χ^2/NDF : 0.0/0

-299.109 $\pm$ 83.068 χ^2/NDF : 325.1/17

-617.577 $\pm$ 56.782 χ^2/NDF : 793.5/38

-896.895 $\pm$ 77.795 χ^2/NDF : 440.8/20

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 202.787 $\pm$ 0.168 χ^2 /NDF: 0.0/0

Right Out: 209.775 $\pm$ 0.058 χ^2 /NDF: 884083.7/19

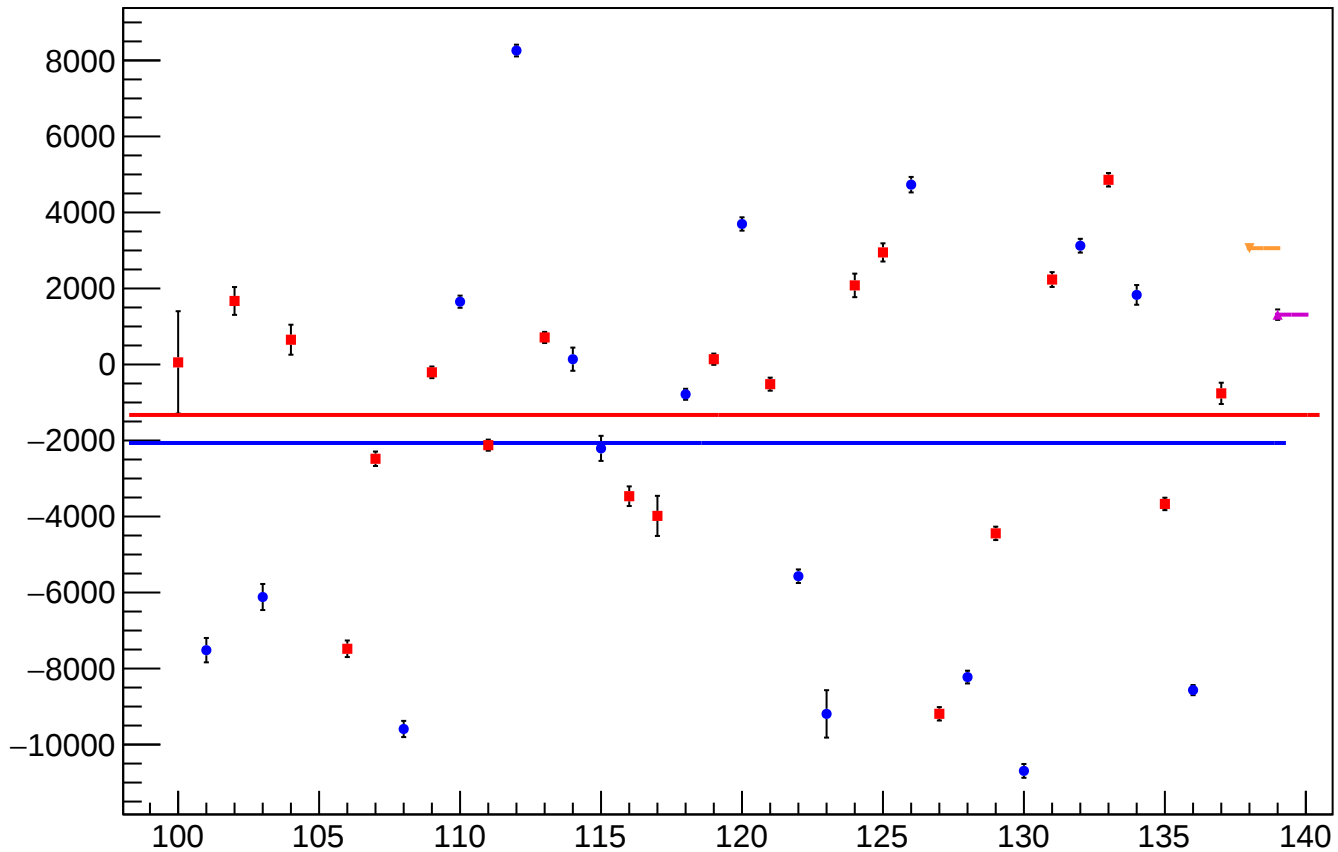
Left In: 201.295 $\pm$ 0.174 χ^2 /NDF: 0.0/0

219.083 $\pm$ 0.059 χ^2 /NDF: 656359.0/17

213.673 $\pm$ 0.040 χ^2 /NDF: 1558499.2/38

208.928 $\pm$ 0.055 χ^2 /NDF: 886218.7/20

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: 3059.920 ± 129.379 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -1327.819 ± 44.838 $\chi^2/\text{NDF}: 5919.9/19$

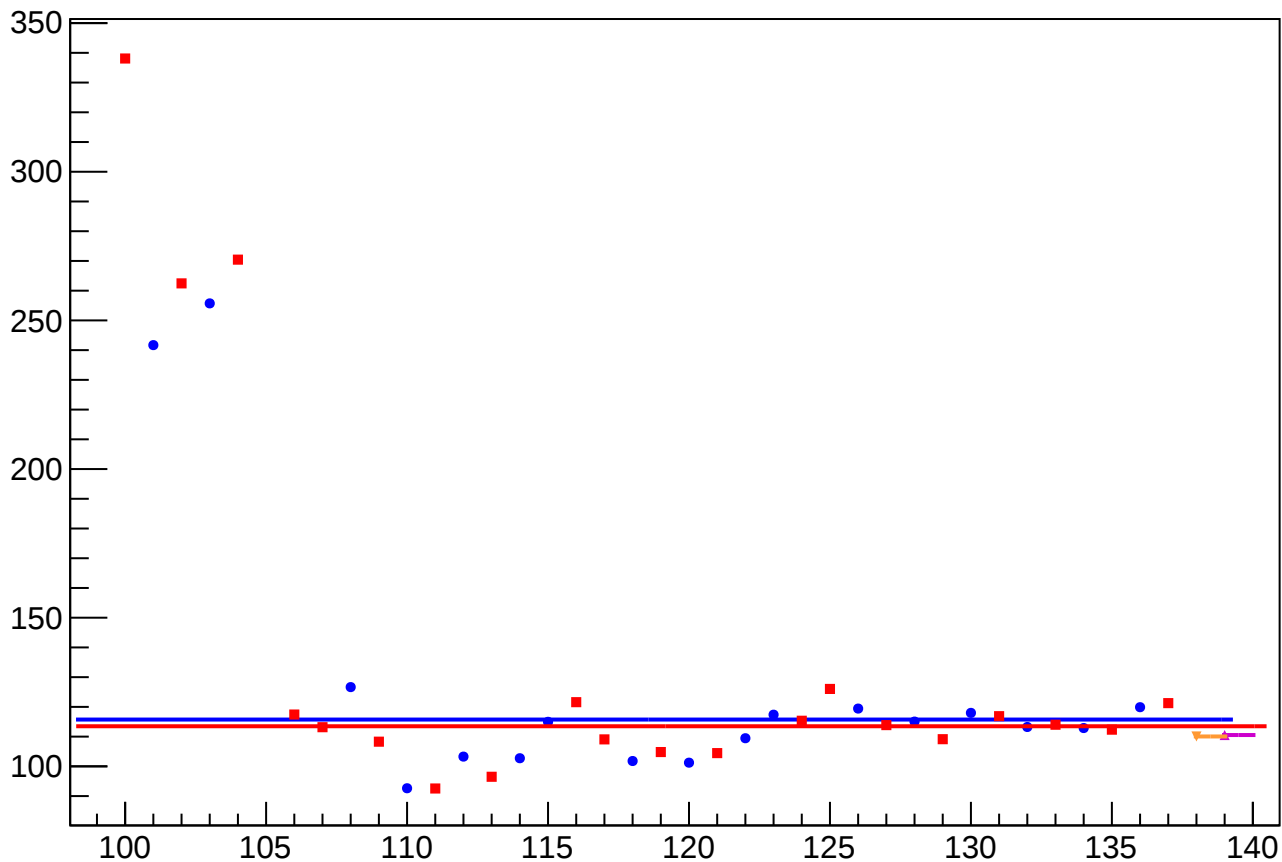
Left In: 1310.835 ± 136.967 $\chi^2/\text{NDF}: 0.0/0$

-1460.420 ± 44.443 $\chi^2/\text{NDF}: 17917.3/17$

-1258.265 ± 30.758 $\chi^2/\text{NDF}: 24212.1/38$

-1072.410 ± 42.613 $\chi^2/\text{NDF}: 6255.1/20$

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 $\pm$ 0.033 χ^2 /NDF: 744017.7/16

Left Out: 110.051 $\pm$ 0.091 χ^2 /NDF: 0.0/0

Right Out: 113.487 $\pm$ 0.032 χ^2 /NDF: 796781.7/19

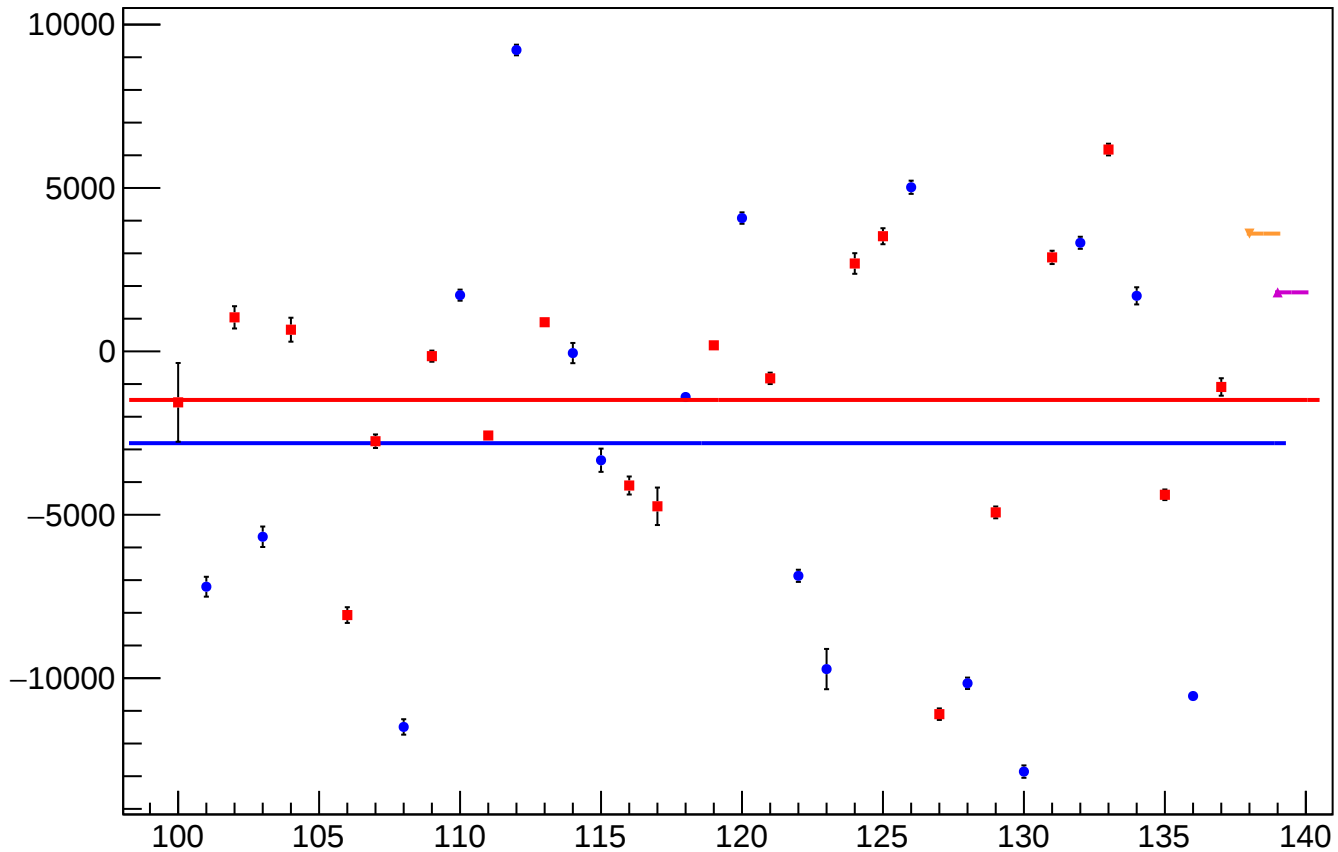
Left In: 110.534 $\pm$ 0.097 χ^2 /NDF: 0.0/0

115.069 $\pm$ 0.031 χ^2 /NDF: 747429.5/17

114.096 $\pm$ 0.022 χ^2 /NDF: 1546891.5/38

113.201 $\pm$ 0.030 χ^2 /NDF: 797621.2/20

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2809.101 ± 48.284 $\chi^2/\text{NDF}: 21263.1/16$

Left Out: 3603.660 ± 140.015 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -1486.369 ± 46.243 $\chi^2/\text{NDF}: 8037.1/19$

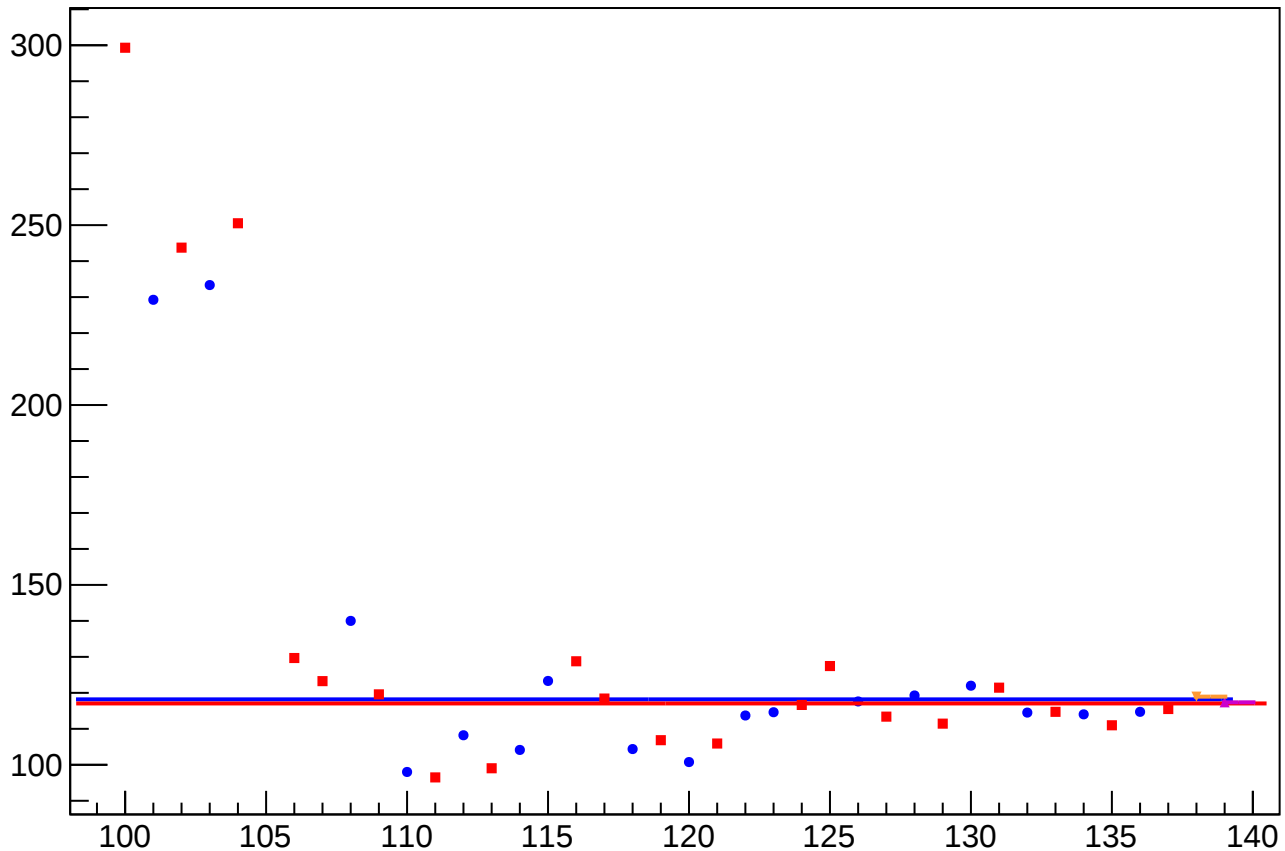
Left In: 1805.914 ± 145.819 $\chi^2/\text{NDF}: 0.0/0$

-2127.531 ± 45.646 $\chi^2/\text{NDF}: 23137.9/17$

-1640.084 ± 31.709 $\chi^2/\text{NDF}: 31858.5/38$

-1185.521 ± 44.080 $\chi^2/\text{NDF}: 8500.3/20$

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.188 $\pm$ 0.034 χ^2 /NDF: 636252.0/16

Left Out: 118.947 $\pm$ 0.099 χ^2 /NDF: 0.0/0

Right Out: 117.054 $\pm$ 0.033 χ^2 /NDF: 690646.8/19

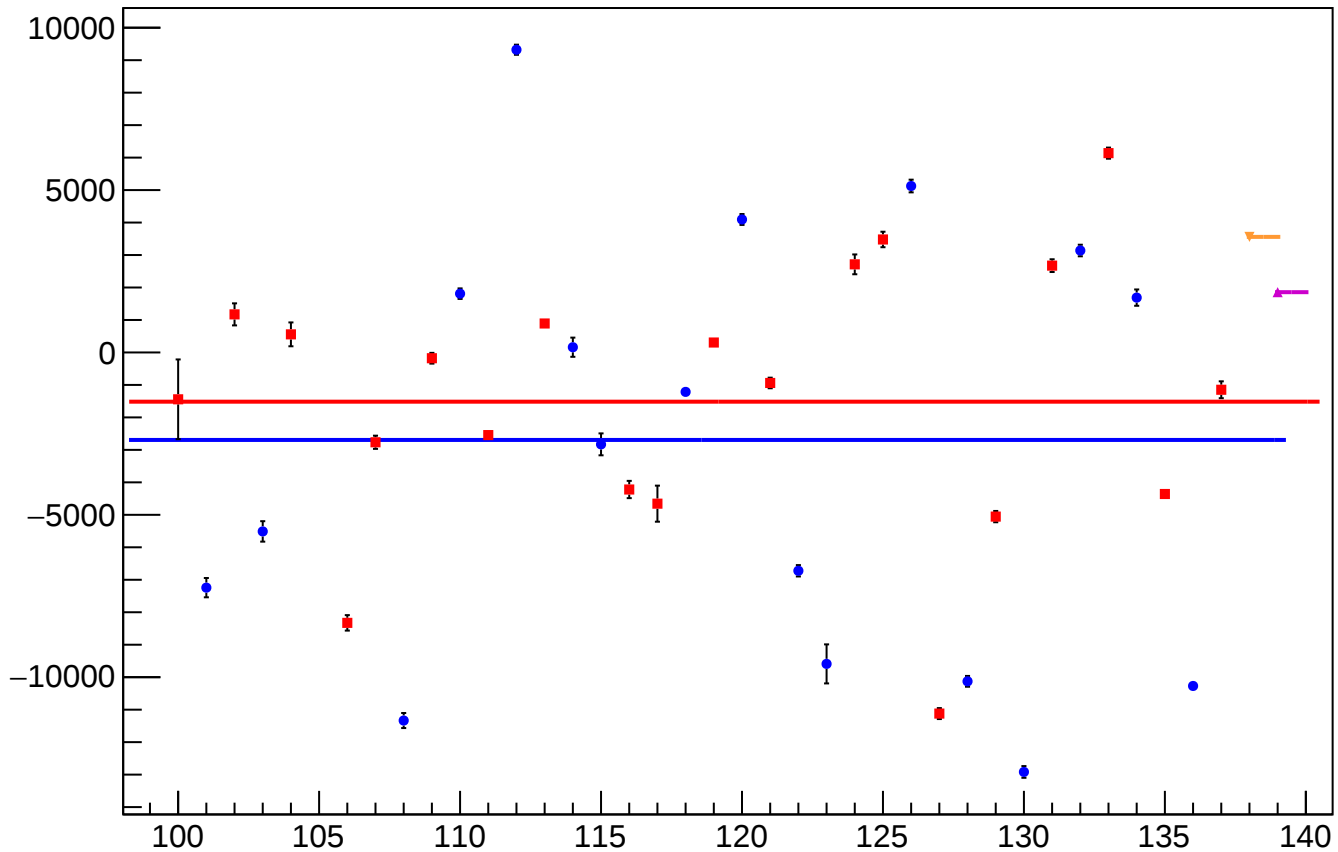
Left In: 117.367 $\pm$ 0.103 χ^2 /NDF: 0.0/0

118.269 $\pm$ 0.032 χ^2 /NDF: 636304.5/17

117.655 $\pm$ 0.022 χ^2 /NDF: 1327658.1/38

117.083 $\pm$ 0.031 χ^2 /NDF: 690655.2/20

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2694.260 $\pm$ 46.347 χ^2 /NDF: 22860.3/16

Left Out: 3558.767 $\pm$ 134.864 χ^2 /NDF: 0.0/0

Right Out: -1515.863 $\pm$ 44.303 χ^2 /NDF: 8749.3/19

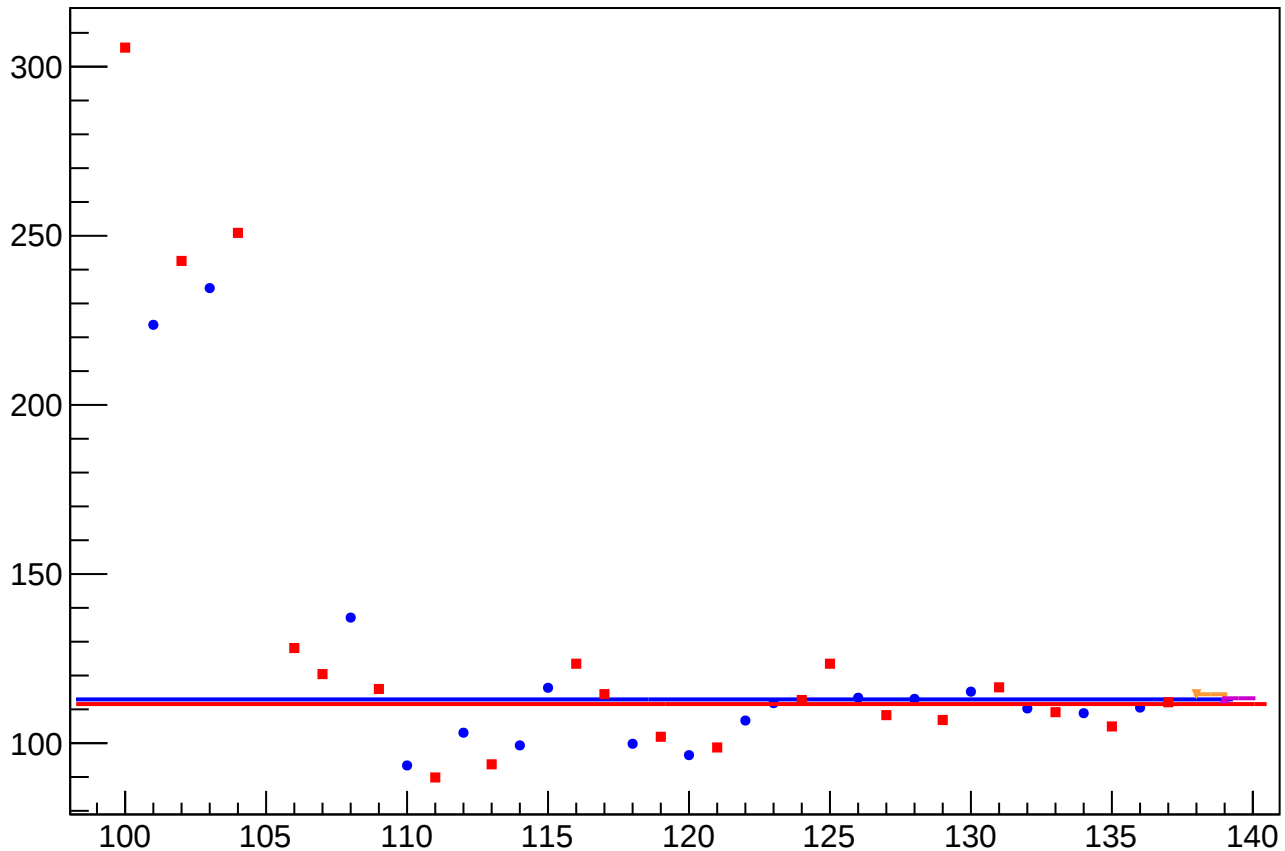
Left In: 1856.111 $\pm$ 140.888 χ^2 /NDF: 0.0/0

-2033.777 $\pm$ 43.831 χ^2 /NDF: 24783.0/17

-1608.151 $\pm$ 30.424 χ^2 /NDF: 34235.6/38

-1212.439 $\pm$ 42.263 χ^2 /NDF: 9270.6/20

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 114.464 $\pm$ 0.095 χ^2 /NDF: 0.0/0

Right Out: 111.562 $\pm$ 0.031 χ^2 /NDF: 765559.1/19

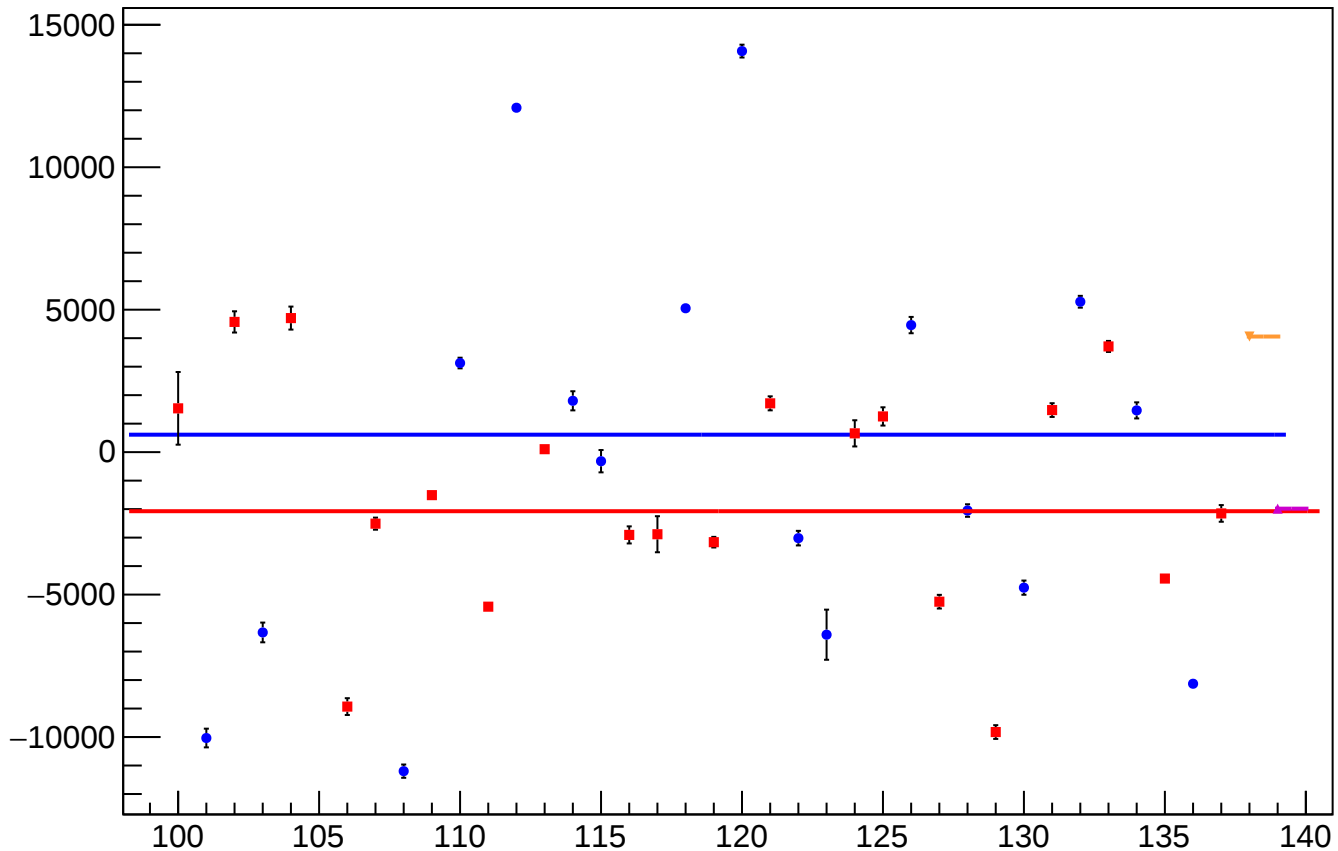
Left In: 113.273 $\pm$ 0.100 χ^2 /NDF: 0.0/0

113.101 $\pm$ 0.031 χ^2 /NDF: 680511.3/17

112.384 $\pm$ 0.022 χ^2 /NDF: 1447373.6/38

111.716 $\pm$ 0.030 χ^2 /NDF: 765827.4/20

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: 4057.872 ± 158.923 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -2073.278 ± 53.736 $\chi^2/\text{NDF}: 4644.3/19$

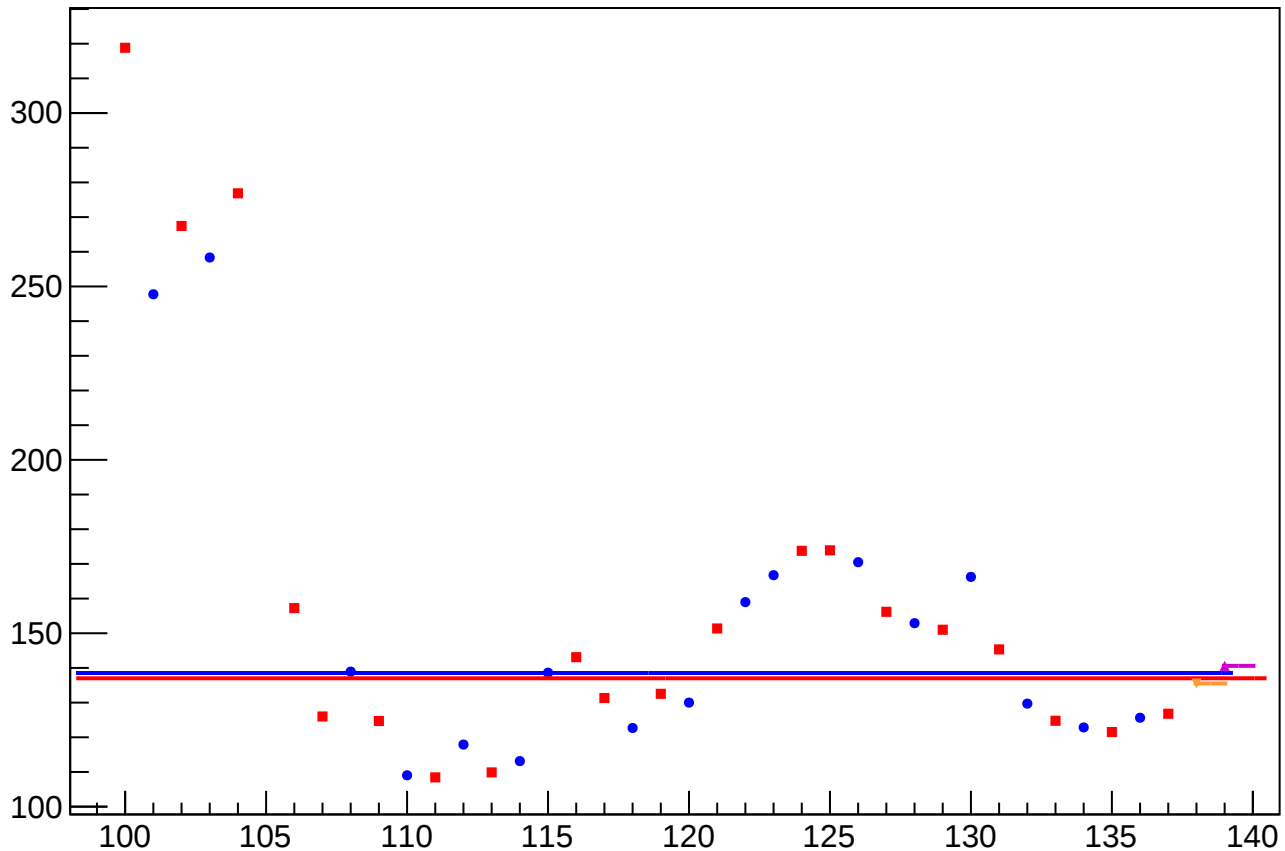
Left In: -1983.872 ± 173.299 $\chi^2/\text{NDF}: 0.0/0$

993.902 ± 52.869 $\chi^2/\text{NDF}: 18661.3/17$

-581.074 ± 36.826 $\chi^2/\text{NDF}: 25029.8/38$

-2065.436 ± 51.325 $\chi^2/\text{NDF}: 4644.6/20$

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 135.514 $\pm$ 0.112 χ^2 /NDF: 0.0/0

Right Out: 137.019 $\pm$ 0.038 χ^2 /NDF: 755655.0/19

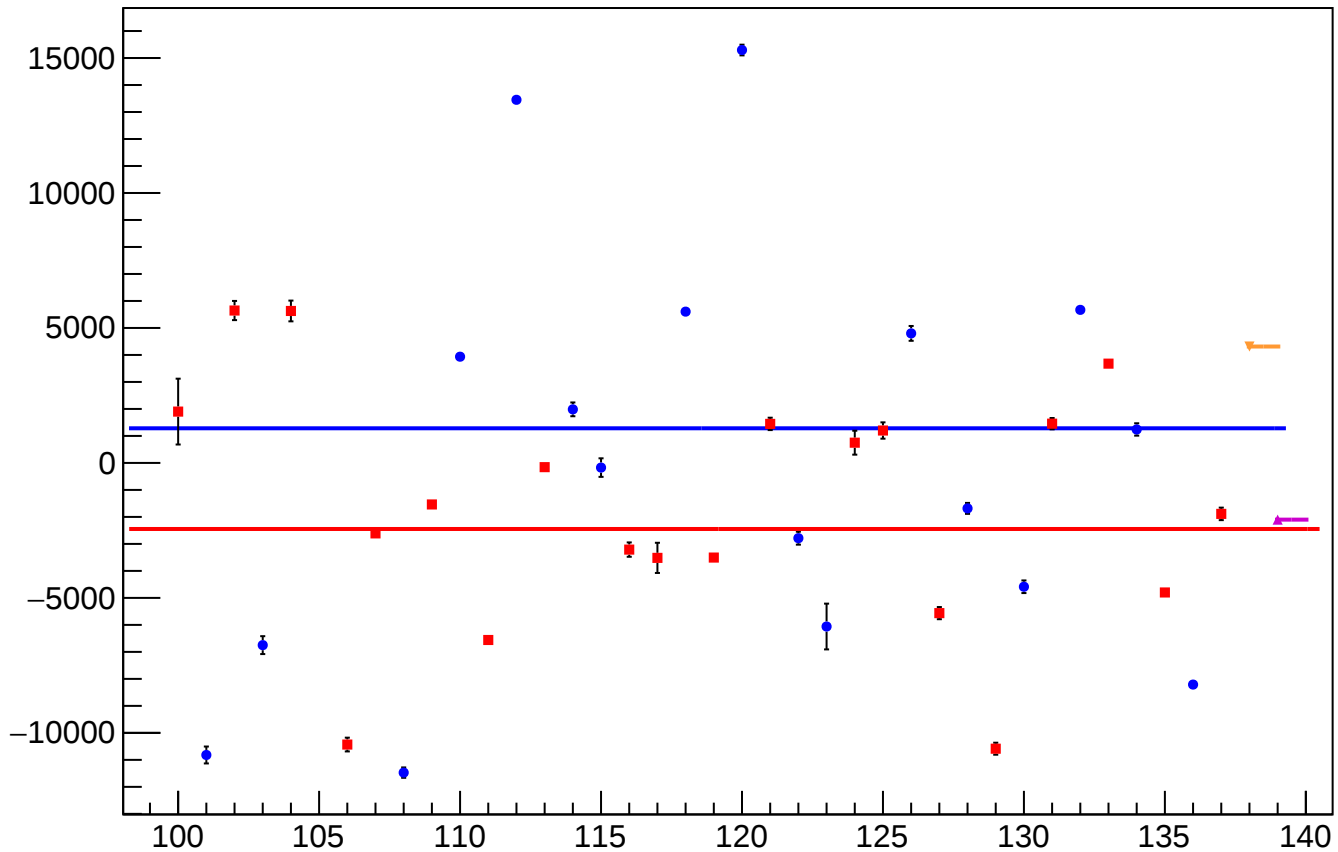
Left In: 140.603 $\pm$ 0.123 χ^2 /NDF: 0.0/0

138.207 $\pm$ 0.037 χ^2 /NDF: 669587.4/17

137.757 $\pm$ 0.026 χ^2 /NDF: 1426303.2/38

137.334 $\pm$ 0.036 χ^2 /NDF: 756435.1/20

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: 4312.002+/-136.445 χ^2/NDF : 0.0/0

Right Out: -2446.970+/-44.148 χ^2/NDF : 7681.2/19

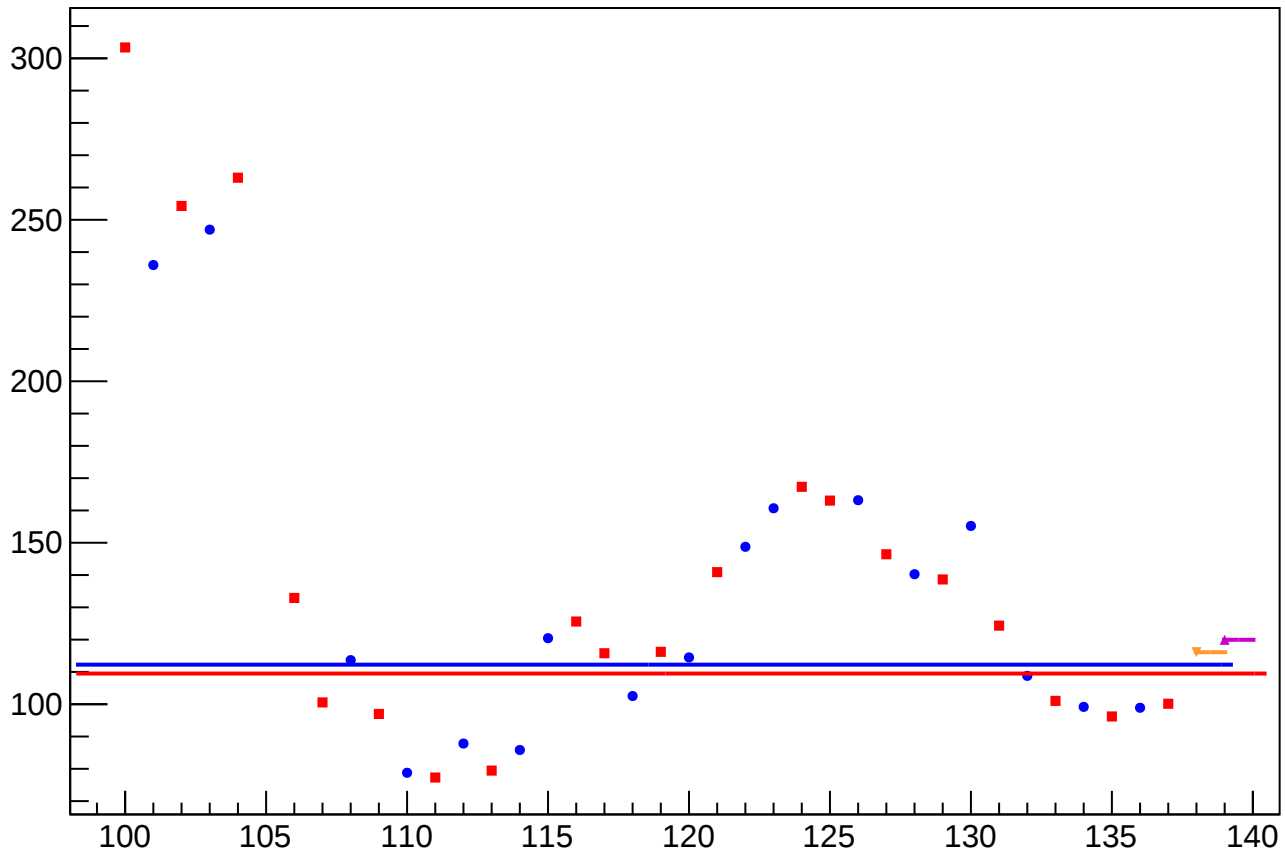
Left In: -2100.778+/-148.363 χ^2/NDF : 0.0/0

1599.047+/-44.075 χ^2/NDF : 30982.2/17

-491.766+/-30.524 χ^2/NDF : 42992.7/38

-2418.810+/-42.314 χ^2/NDF : 7686.2/20

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 112.251 $\pm$ 0.033 χ^2 /NDF: 1125537.4/16

Left Out: 116.103 $\pm$ 0.096 χ^2 /NDF: 0.0/0

Right Out: 109.500 $\pm$ 0.031 χ^2 /NDF: 1269887.8/19

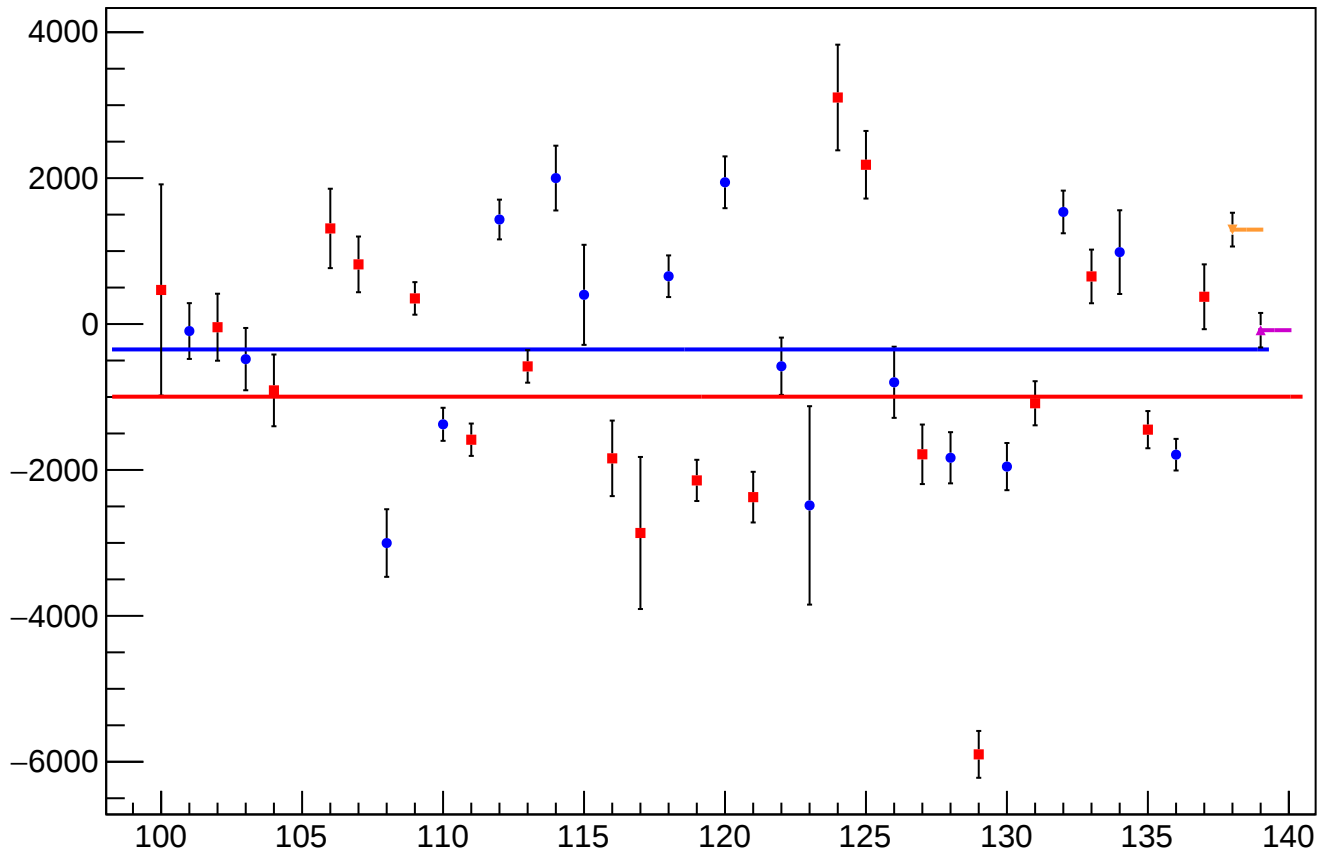
Left In: 119.955 $\pm$ 0.105 χ^2 /NDF: 0.0/0

112.653 $\pm$ 0.031 χ^2 /NDF: 1126965.2/17

111.454 $\pm$ 0.022 χ^2 /NDF: 2408818.0/38

110.350 $\pm$ 0.030 χ^2 /NDF: 1279012.5/20

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -348.055+/-83.826 χ^2/NDF : 317.3/16

Left Out: 1294.149+/-231.329 χ^2/NDF : 0.0/0

Right Out: -995.622+/-77.468 χ^2/NDF : 479.8/19

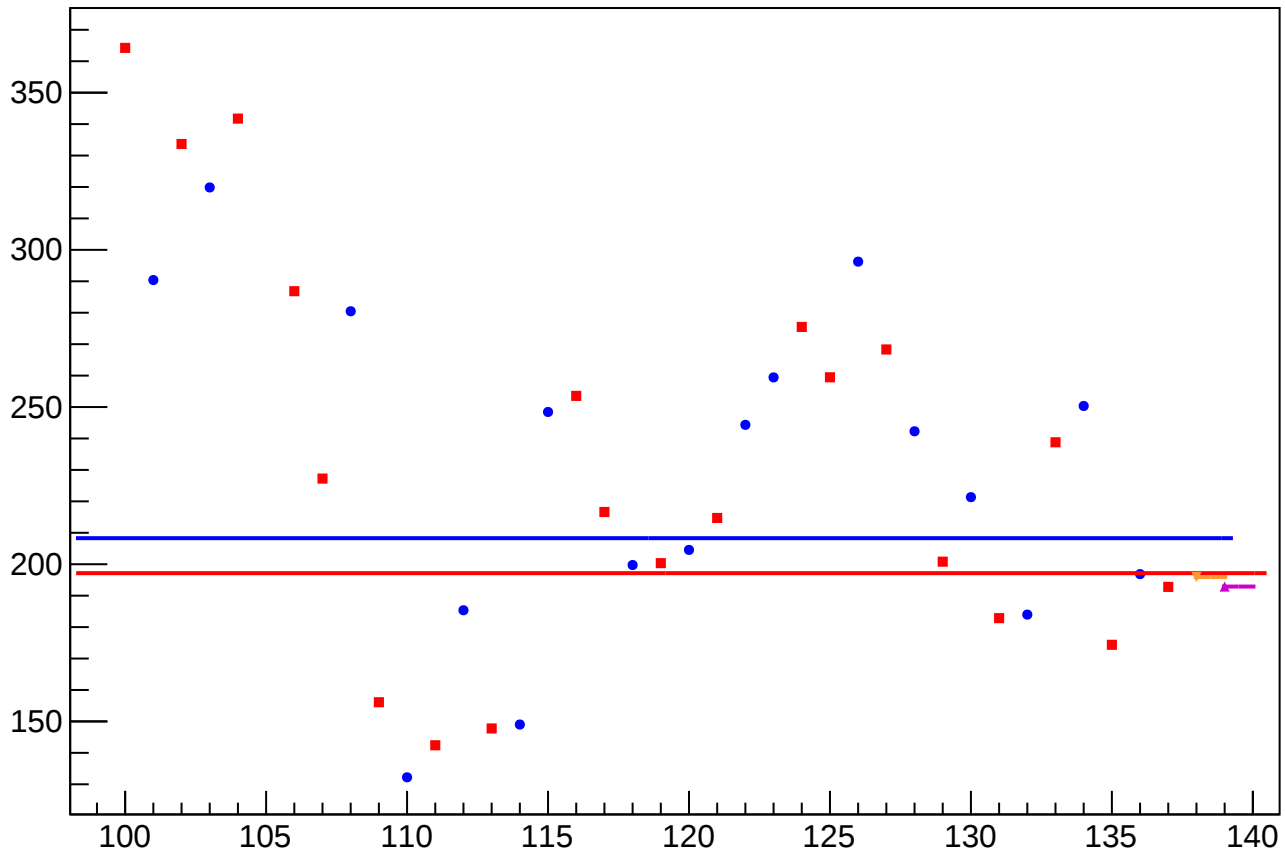
Left In: -84.164+/-236.400 χ^2/NDF : 0.0/0

-157.446+/-78.812 χ^2/NDF : 361.8/17

-557.866+/-53.798 χ^2/NDF : 903.4/38

-907.235+/-73.616 χ^2/NDF : 493.2/20

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.288 $\pm$ 0.059 χ^2 /NDF: 698491.0/16

Left Out: 195.931 $\pm$ 0.164 χ^2 /NDF: 0.0/0

Right Out: 197.159 $\pm$ 0.055 χ^2 /NDF: 927487.8/19

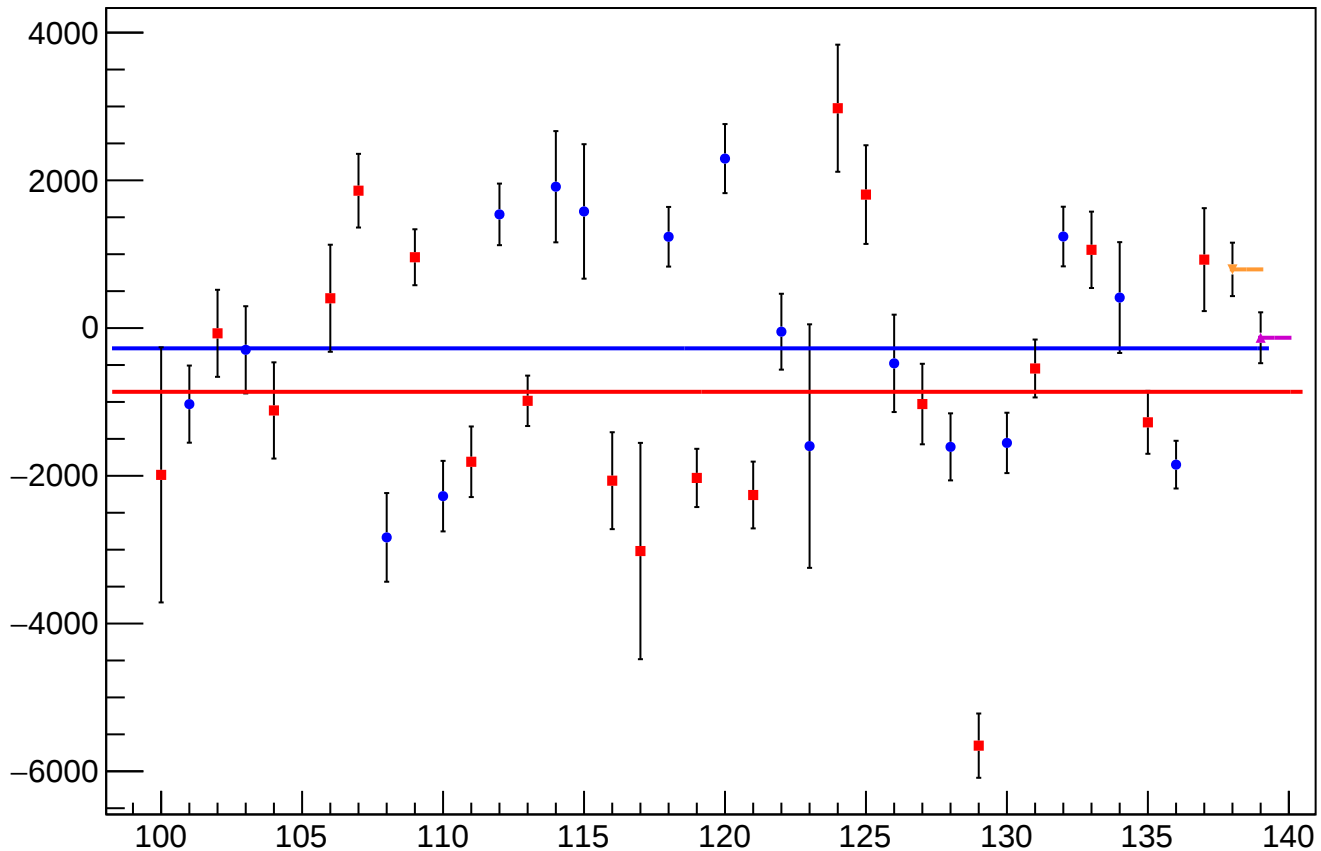
Left In: 192.895 $\pm$ 0.167 χ^2 /NDF: 0.0/0

206.853 $\pm$ 0.056 χ^2 /NDF: 703535.4/17

201.455 $\pm$ 0.038 χ^2 /NDF: 1649178.5/38

196.746 $\pm$ 0.052 χ^2 /NDF: 928075.3/20

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -274.260 ± 121.326 χ^2/NDF : 171.6/16

Left Out: 794.439 ± 361.733 χ^2/NDF : 0.0/0

Right Out: -862.791 ± 114.993 χ^2/NDF : 265.4/19

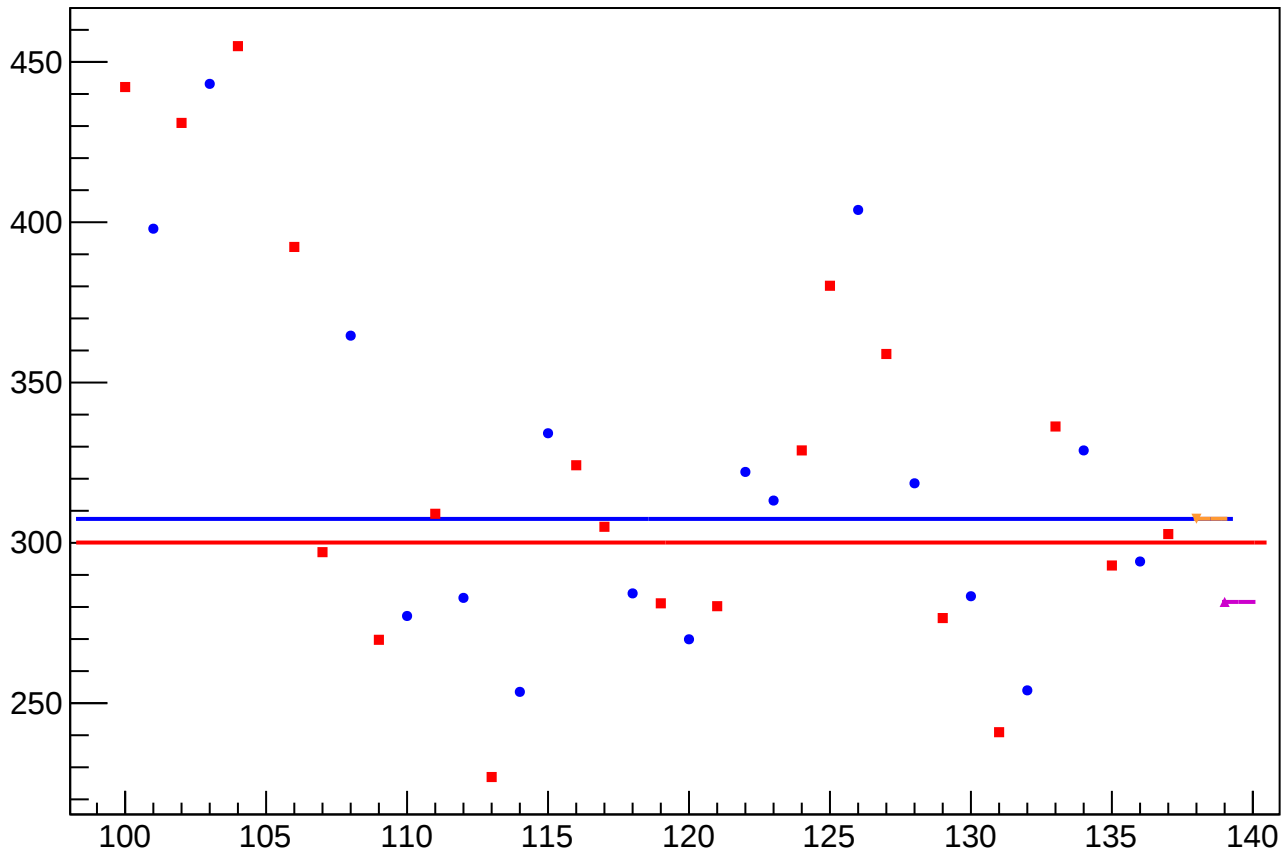
Left In: -130.994 ± 344.463 χ^2/NDF : 0.0/0

-166.194 ± 115.028 χ^2/NDF : 179.4/17

-494.347 ± 79.149 χ^2/NDF : 464.4/38

-789.414 ± 109.075 χ^2/NDF : 269.5/20

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 307.468 $\pm$ 0.086 χ^2/NDF : 323096.7/16

Left Out: 307.528 $\pm$ 0.256 χ^2/NDF : 0.0/0

Right Out: 300.100 $\pm$ 0.081 χ^2/NDF : 490421.6/19

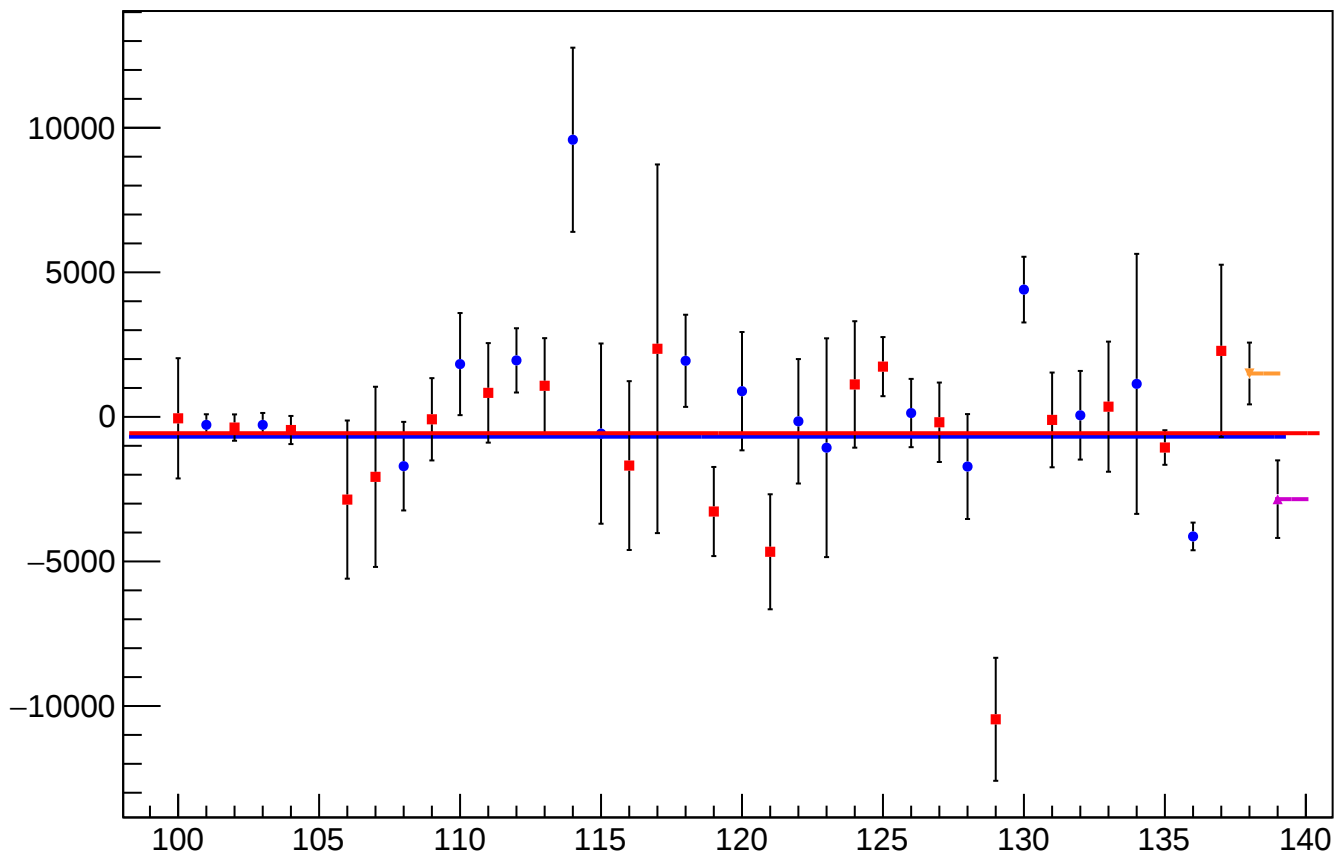
Left In: 281.576 $\pm$ 0.244 χ^2/NDF : 0.0/0

307.474 $\pm$ 0.081 χ^2/NDF : 323096.7/17

302.613 $\pm$ 0.056 χ^2/NDF : 825504.6/38

298.243 $\pm$ 0.077 χ^2/NDF : 495625.3/20

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -685.056+/-210.341 χ^2/NDF : 97.4/16

Left Out: 1501.288+/-1068.486 χ^2/NDF : 0.0/0

Right Out: -564.400+/-243.074 χ^2/NDF : 39.9/19

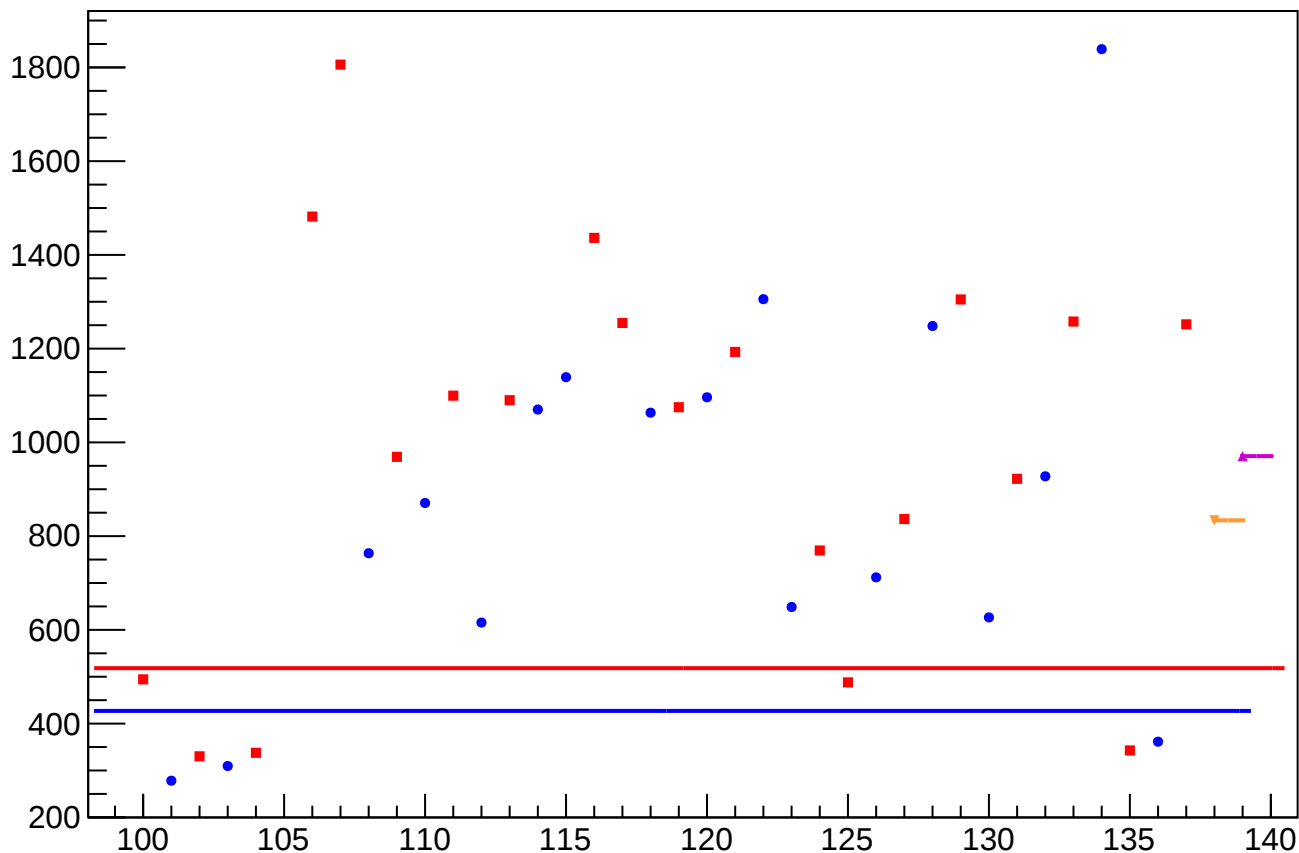
Left In: -2845.635+/-1341.987 χ^2/NDF : 0.0/0

-603.489+/-206.380 χ^2/NDF : 101.4/17

-617.733+/-156.253 χ^2/NDF : 144.1/38

-636.866+/-239.182 χ^2/NDF : 42.7/20

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 833.735+/-0.756 χ^2/NDF : 0.0/0

Right Out: 518.306+/-0.172 χ^2/NDF : 3631833.9/19

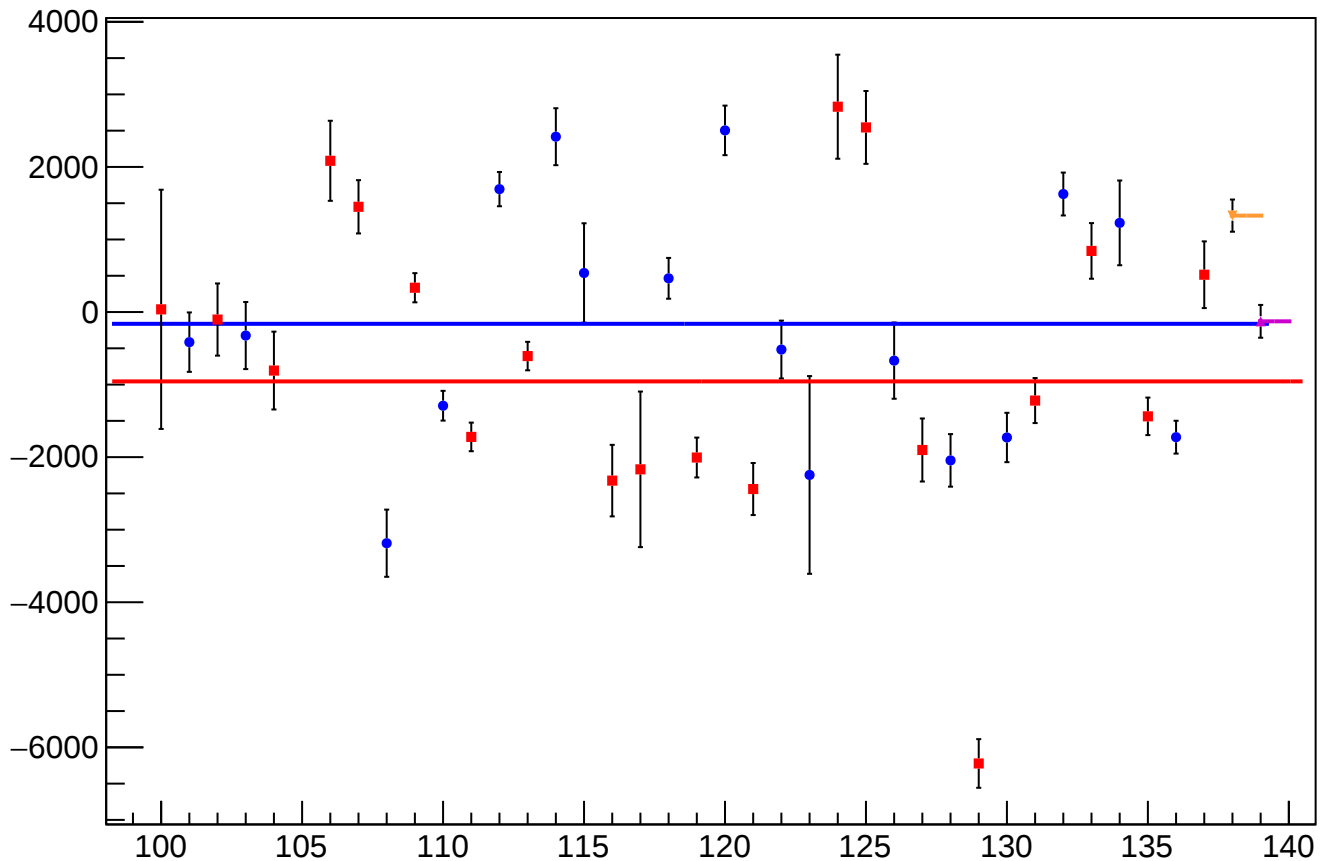
Left In: 970.691+/-0.949 χ^2/NDF : 0.0/0

442.251+/-0.146 χ^2/NDF : 3144568.6/17

480.842+/-0.110 χ^2/NDF : 7160320.8/38

532.677+/-0.169 χ^2/NDF : 3851887.8/20

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -162.333+/-82.350 χ^2/NDF : 387.6/16

Left Out: 1328.941+/-221.860 χ^2/NDF : 0.0/0

Right Out: -956.044+/-74.949 χ^2/NDF : 541.1/19

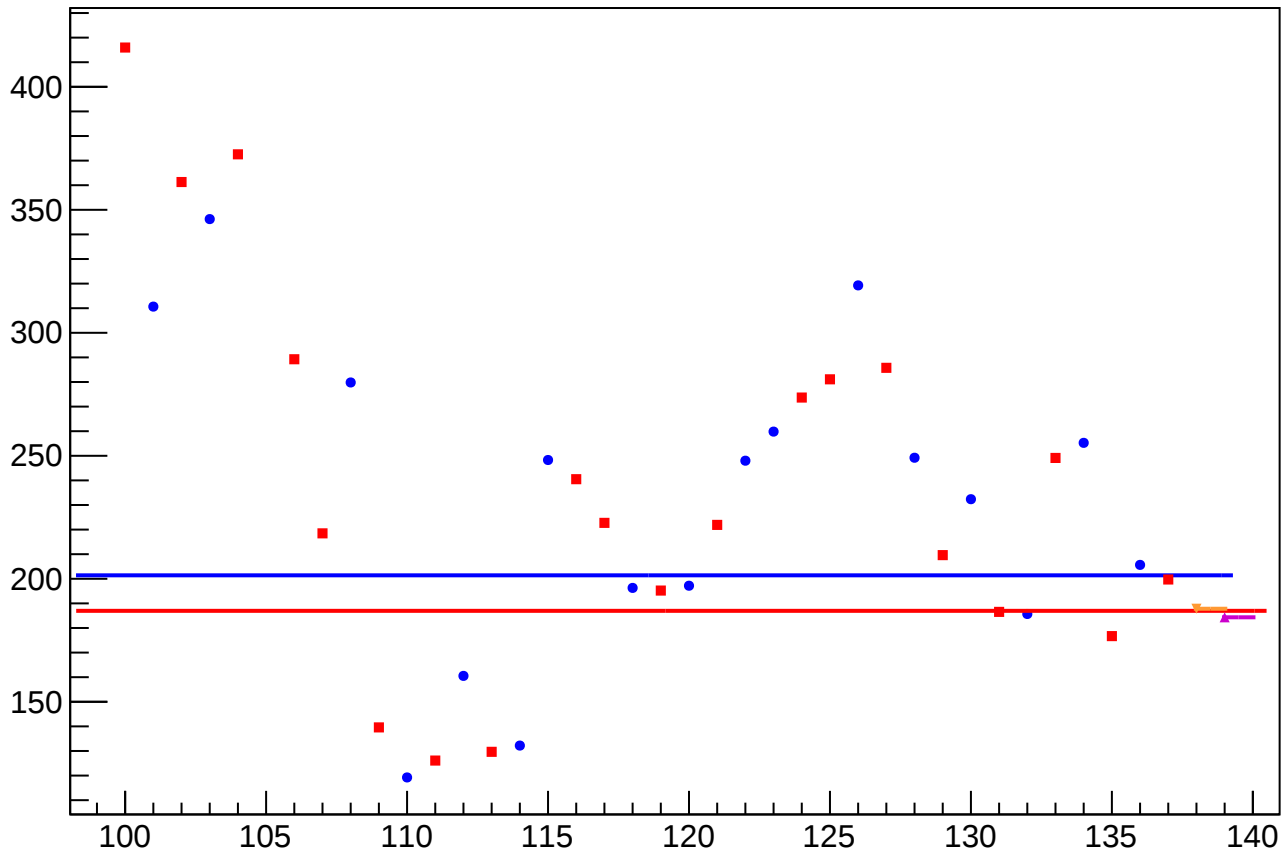
Left In: -127.989+/-226.182 χ^2/NDF : 0.0/0

18.248+/-77.203 χ^2/NDF : 427.3/17

-464.316+/-52.318 χ^2/NDF : 1052.7/38

-874.116+/-71.145 χ^2/NDF : 553.1/20

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 187.825 $\pm$ 0.157 χ^2 /NDF: 0.0/0

Right Out: 186.973 $\pm$ 0.053 χ^2 /NDF: 1395397.8/19

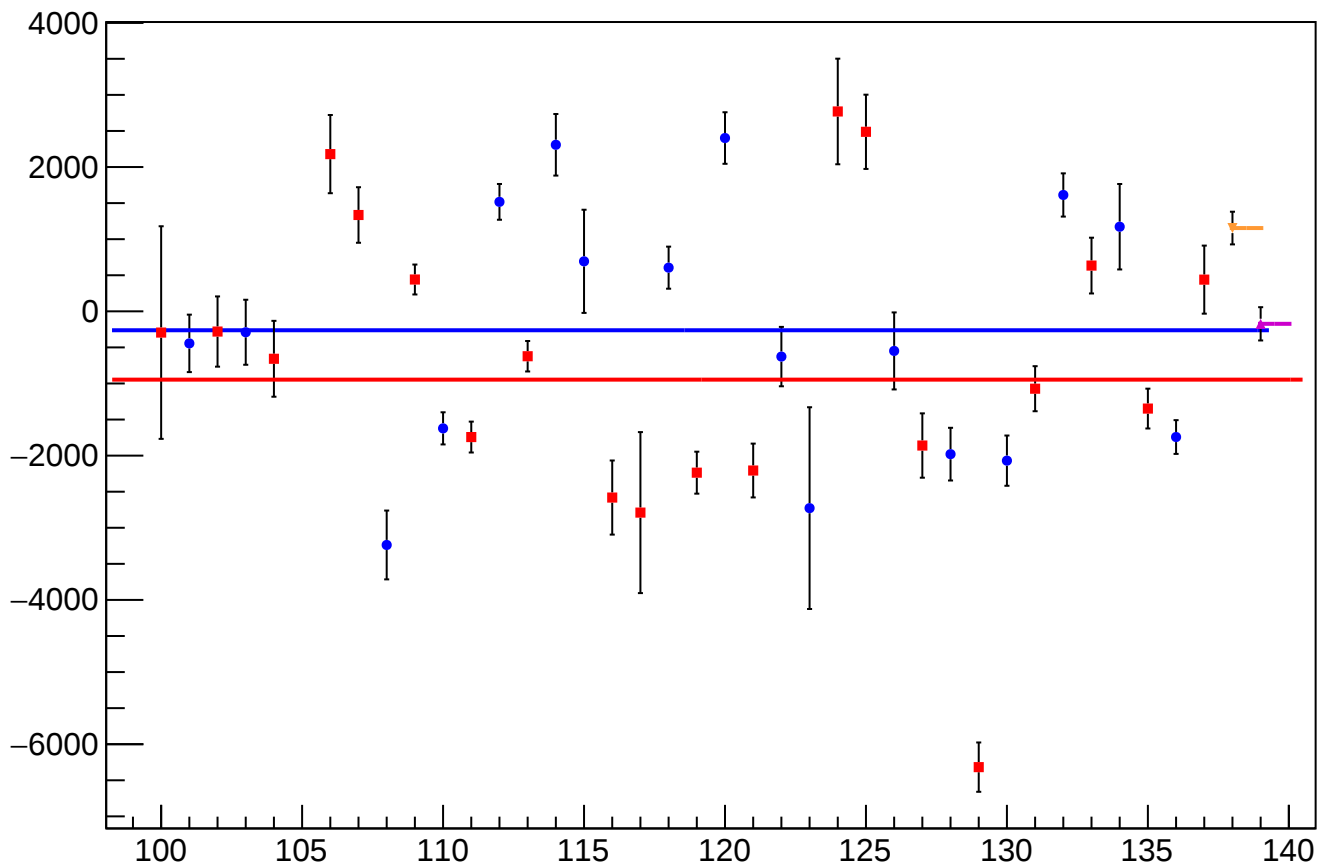
Left In: 184.345 $\pm$ 0.160 χ^2 /NDF: 0.0/0

199.764 $\pm$ 0.055 χ^2 /NDF: 1062612.2/17

192.707 $\pm$ 0.037 χ^2 /NDF: 2489161.8/38

186.713 $\pm$ 0.050 χ^2 /NDF: 1395641.1/20

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -262.324+/-85.433 χ^2/NDF : 368.7/16

Left Out: 1154.157+/-226.503 χ^2/NDF : 0.0/0

Right Out: -946.785+/-78.241 χ^2/NDF : 524.6/19

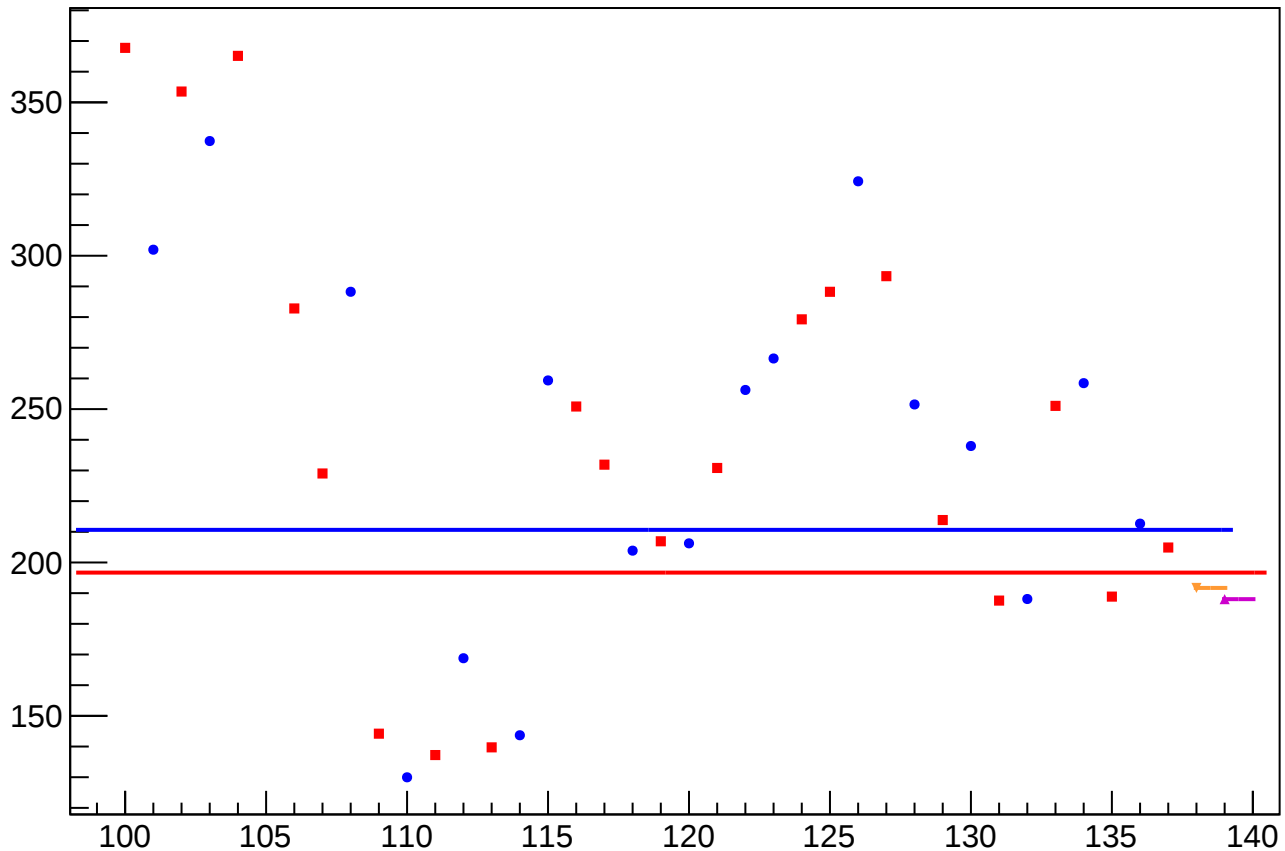
Left In: -173.197+/-230.604 χ^2/NDF : 0.0/0

-85.903+/-79.936 χ^2/NDF : 402.9/17

-506.003+/-54.340 χ^2/NDF : 989.0/38

-866.926+/-74.092 χ^2/NDF : 534.7/20

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 210.636+/-0.060 χ^2/NDF : 875776.4/16

Left Out: 191.706+/-0.160 χ^2/NDF : 0.0/0

Right Out: 196.702+/-0.055 χ^2/NDF : 1207089.6/19

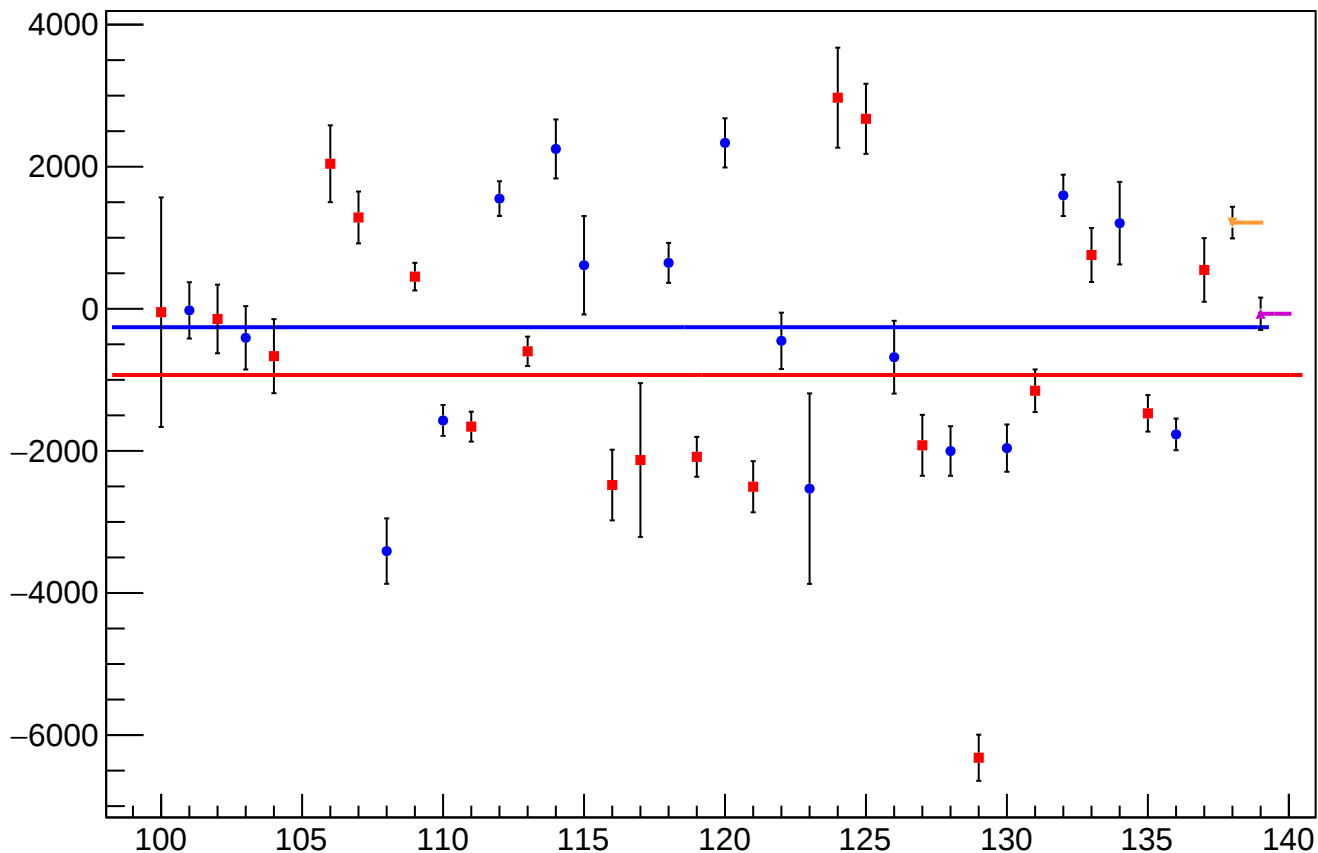
Left In: 188.046+/-0.163 χ^2/NDF : 0.0/0

208.278+/-0.057 χ^2/NDF : 888005.8/17

201.571+/-0.038 χ^2/NDF : 2123800.4/38

195.809+/-0.052 χ^2/NDF : 1209616.4/20

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -259.139+/-82.802 χ^2/NDF : 391.2/16

Left Out: 1213.258+/-222.431 χ^2/NDF : 0.0/0

Right Out: -931.363+/-75.320 χ^2/NDF : 583.1/19

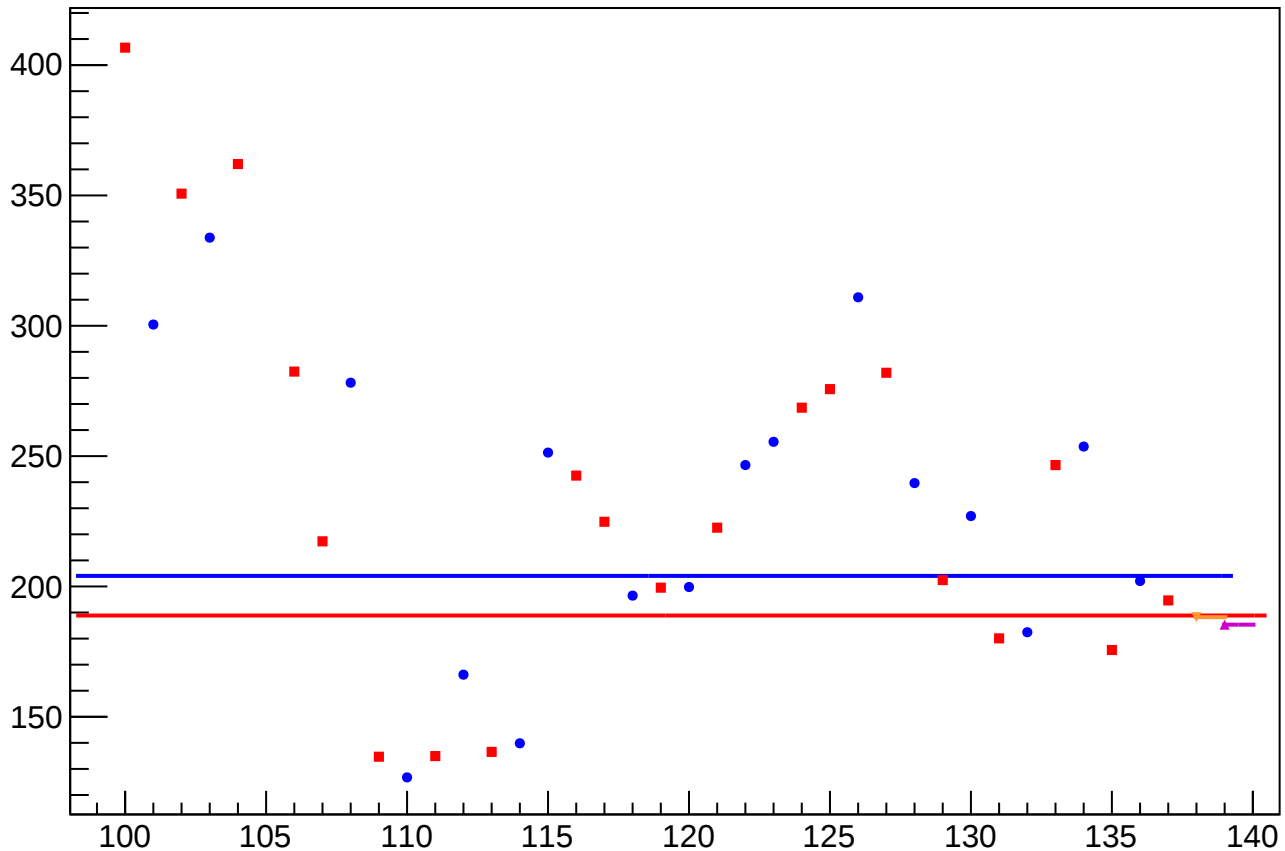
Left In: -69.628+/-227.381 χ^2/NDF : 0.0/0

-79.934+/-77.600 χ^2/NDF : 429.7/17

-494.340+/-52.582 χ^2/NDF : 1078.5/38

-846.157+/-71.500 χ^2/NDF : 596.0/20

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 204.051+/-0.059 χ^2/NDF : 868423.0/16

Left Out: 188.207+/-0.157 χ^2/NDF : 0.0/0

Right Out: 188.856+/-0.053 χ^2/NDF : 1253327.1/19

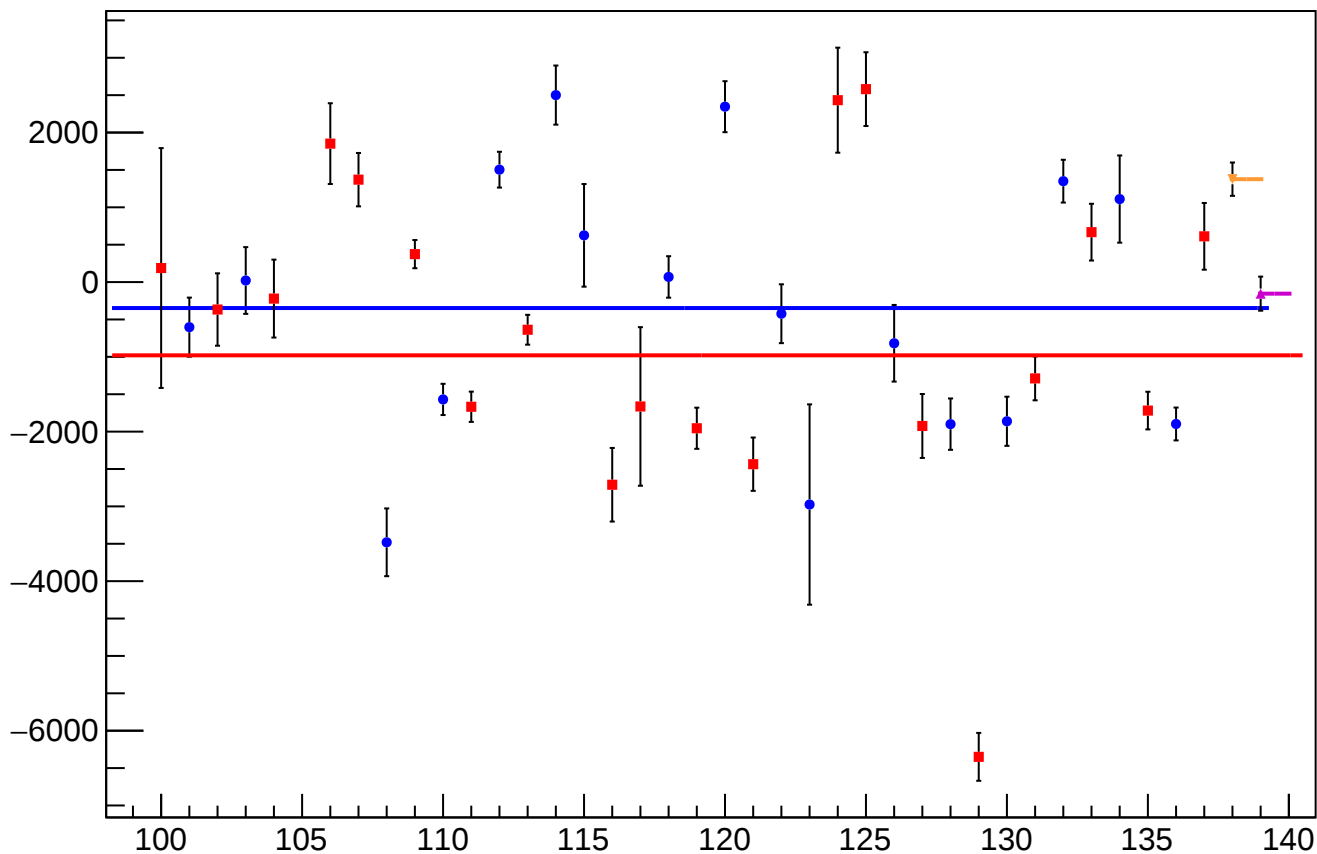
Left In: 185.346+/-0.161 χ^2/NDF : 0.0/0

202.123+/-0.055 χ^2/NDF : 877336.0/17

194.760+/-0.037 χ^2/NDF : 2164386.5/38

188.509+/-0.051 χ^2/NDF : 1253756.4/20

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.240 $\pm$ 81.318 χ^2/NDF : 399.1/16

Left Out: 1376.211 $\pm$ 222.862 χ^2/NDF : 0.0/0

Right Out: -979.606 $\pm$ 73.710 χ^2/NDF : 586.1/19

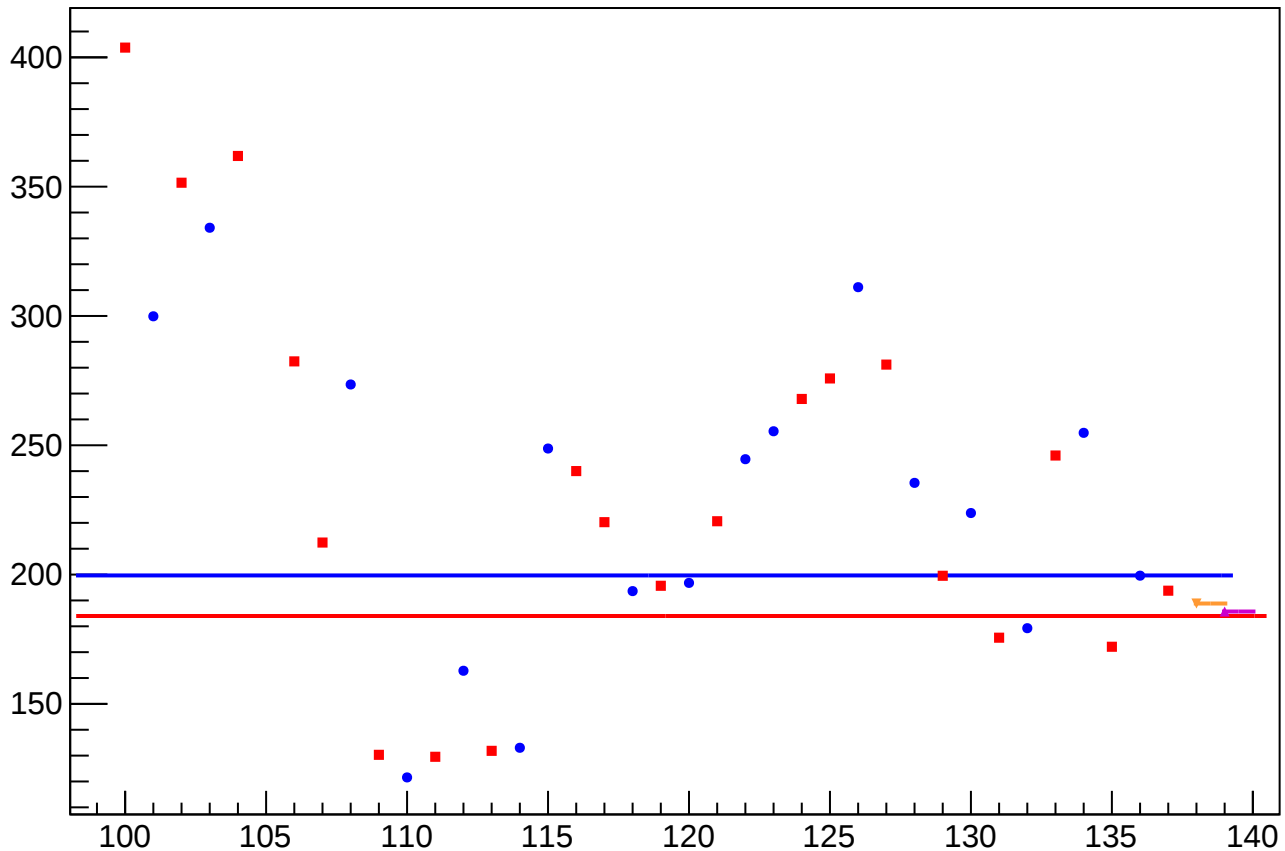
Left In: -154.785 $\pm$ 227.789 χ^2/NDF : 0.0/0

-144.745 $\pm$ 76.391 χ^2/NDF : 451.8/17

-555.362 $\pm$ 51.661 χ^2/NDF : 1103.1/38

-901.425 $\pm$ 70.130 χ^2/NDF : 598.0/20

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 199.669 $\pm$ 0.058 χ^2 /NDF: 943155.1/16

Left Out: 188.811 $\pm$ 0.158 χ^2 /NDF: 0.0/0

Right Out: 183.984 $\pm$ 0.052 χ^2 /NDF: 1351978.1/19

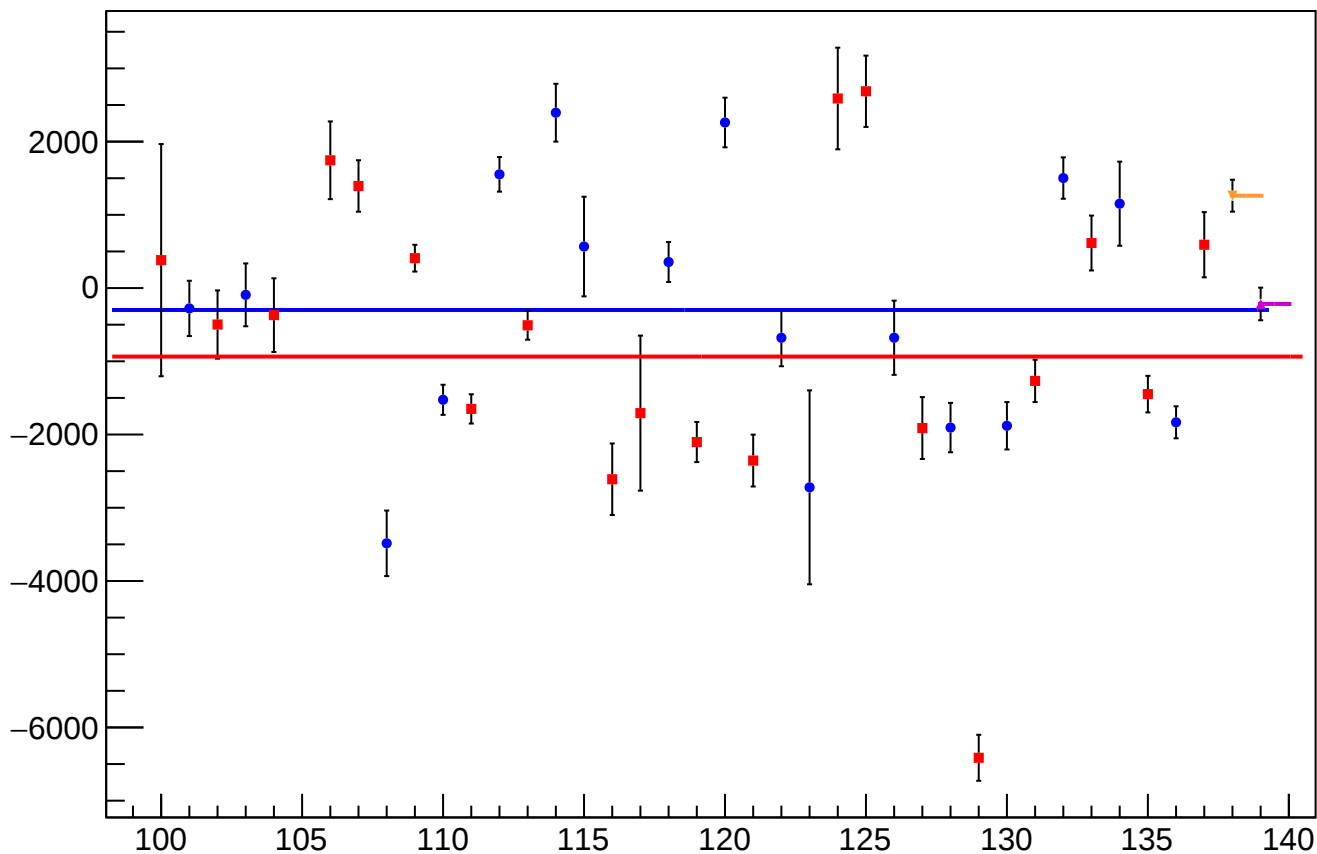
Left In: 185.714 $\pm$ 0.161 χ^2 /NDF: 0.0/0

198.393 $\pm$ 0.054 χ^2 /NDF: 947344.9/17

190.663 $\pm$ 0.037 χ^2 /NDF: 2337166.2/38

184.148 $\pm$ 0.050 χ^2 /NDF: 1352082.5/20

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -298.963 $\pm$ 80.162 χ^2/NDF : 406.6/16

Left Out: 1261.330 $\pm$ 218.116 χ^2/NDF : 0.0/0

Right Out: -935.490 $\pm$ 72.580 χ^2/NDF : 615.3/19

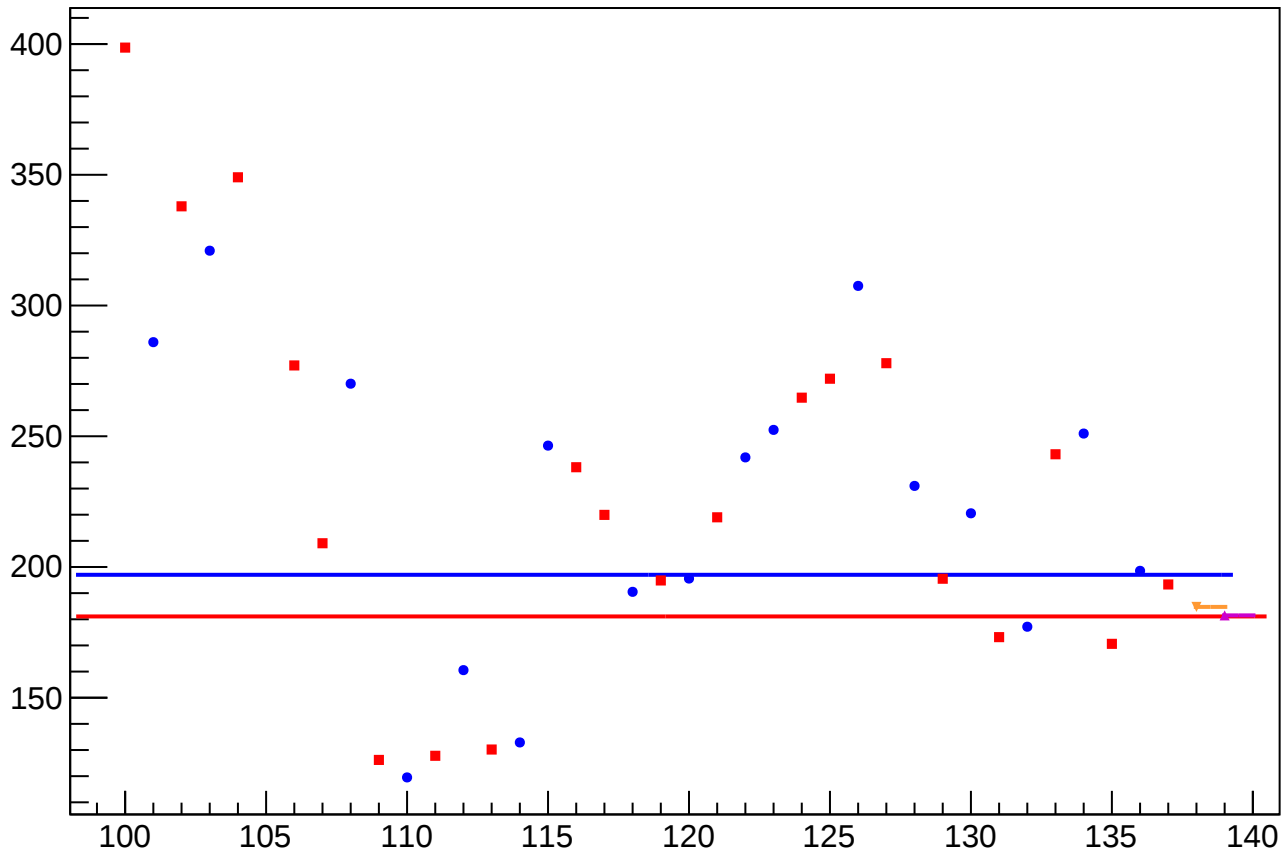
Left In: -216.864 $\pm$ 222.717 χ^2/NDF : 0.0/0

-113.292 $\pm$ 75.241 χ^2/NDF : 451.7/17

-522.383 $\pm$ 50.857 χ^2/NDF : 1130.8/38

-866.499 $\pm$ 69.008 χ^2/NDF : 624.7/20

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 197.013 $\pm$ 0.057 χ^2 /NDF: 911923.5/16

Left Out: 184.736 $\pm$ 0.154 χ^2 /NDF: 0.0/0

Right Out: 181.089 $\pm$ 0.051 χ^2 /NDF: 1348390.5/19

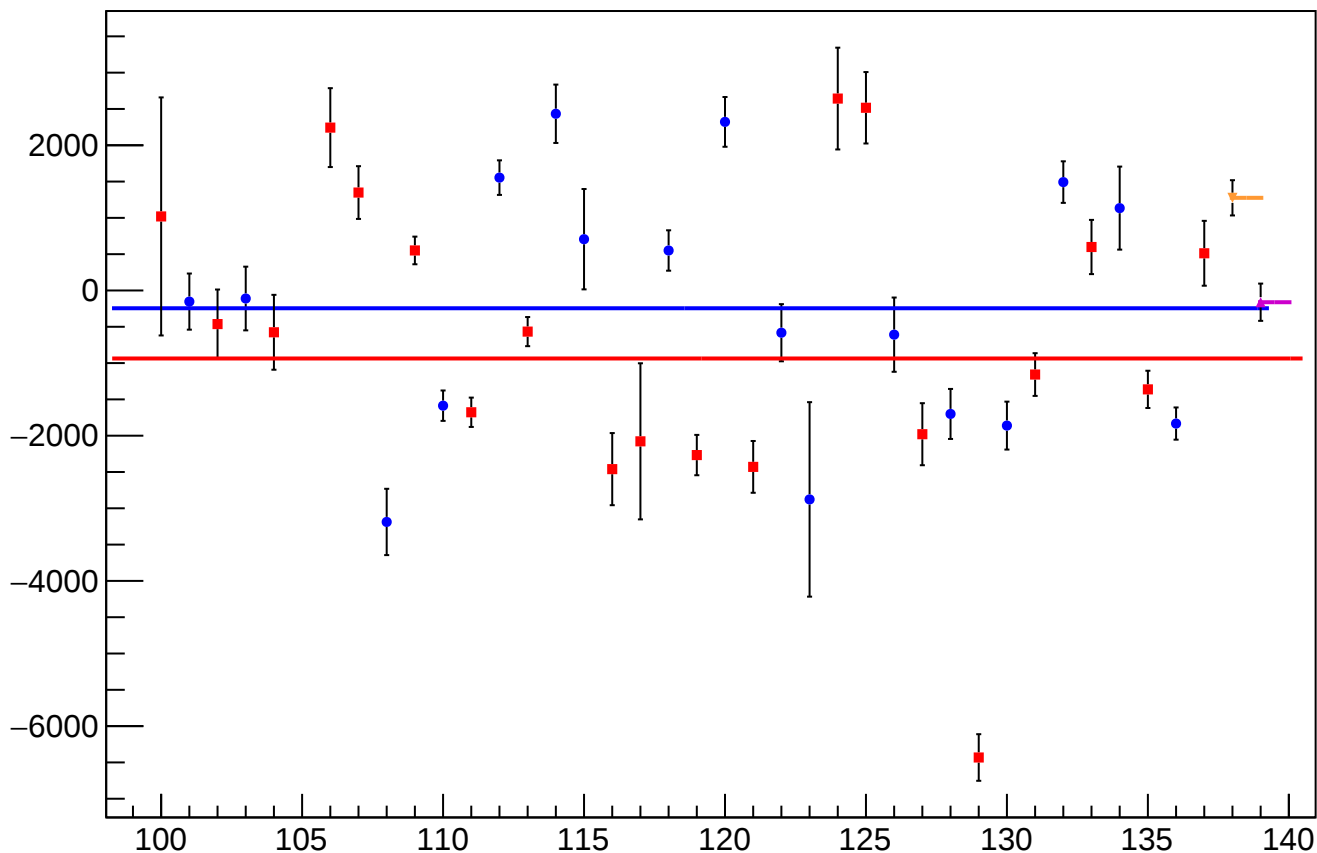
Left In: 181.493 $\pm$ 0.157 χ^2 /NDF: 0.0/0

195.552 $\pm$ 0.053 χ^2 /NDF: 917506.1/17

187.718 $\pm$ 0.036 χ^2 /NDF: 2305824.2/38

181.128 $\pm$ 0.049 χ^2 /NDF: 1348396.5/20

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -244.925+/-81.395 χ^2/NDF : 391.4/16

Left Out: 1276.011+/-242.773 χ^2/NDF : 0.0/0

Right Out: -936.709+/-74.030 χ^2/NDF : 610.9/19

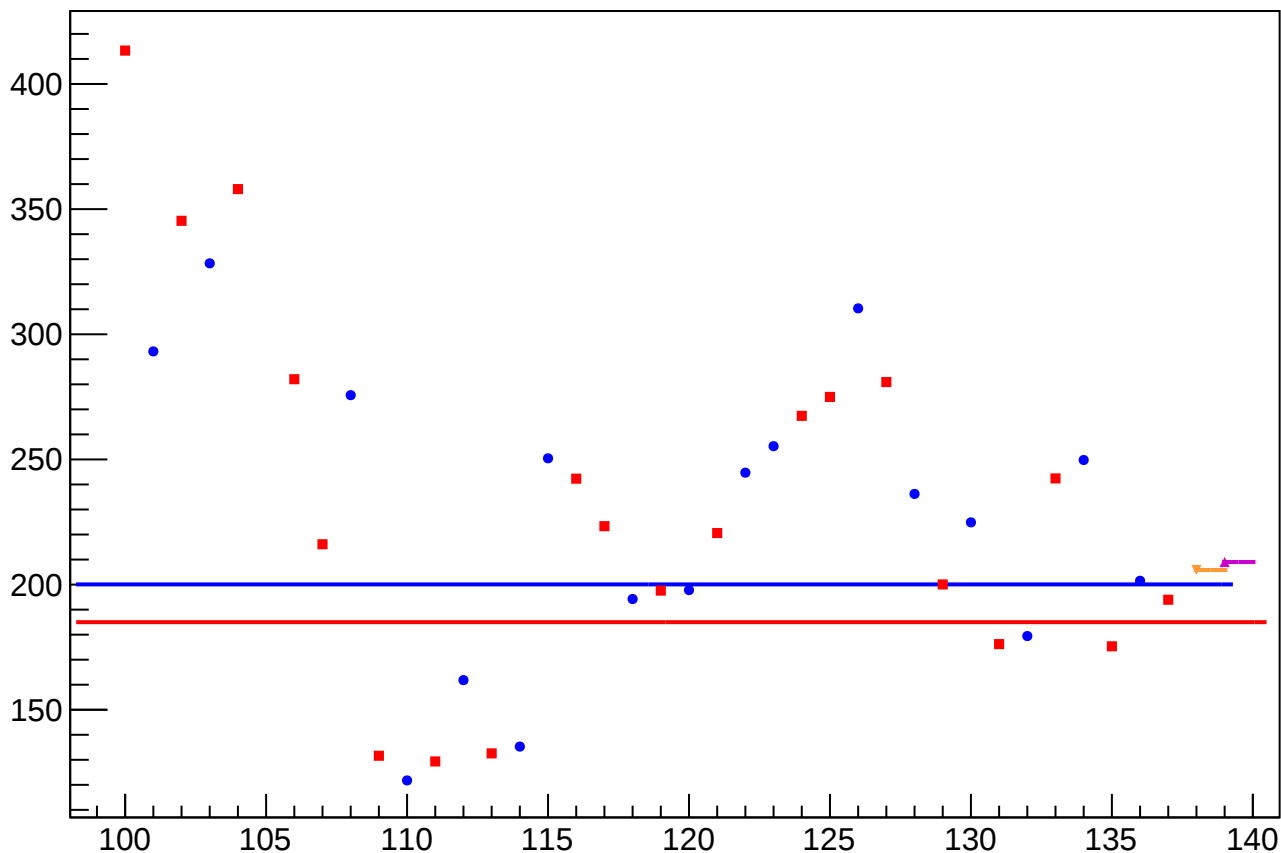
Left In: -161.769+/-256.589 χ^2/NDF : 0.0/0

-91.236+/-77.173 χ^2/NDF : 426.7/17

-516.179+/-52.302 χ^2/NDF : 1102.0/38

-877.160+/-71.128 χ^2/NDF : 619.3/20

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 200.078 $\pm$ 0.058 χ^2 /NDF: 918309.2/16

Left Out: 205.827 $\pm$ 0.172 χ^2 /NDF:0.0/0

Right Out: 184.990 $\pm$ 0.052 χ^2 /NDF: 1320825.4/19

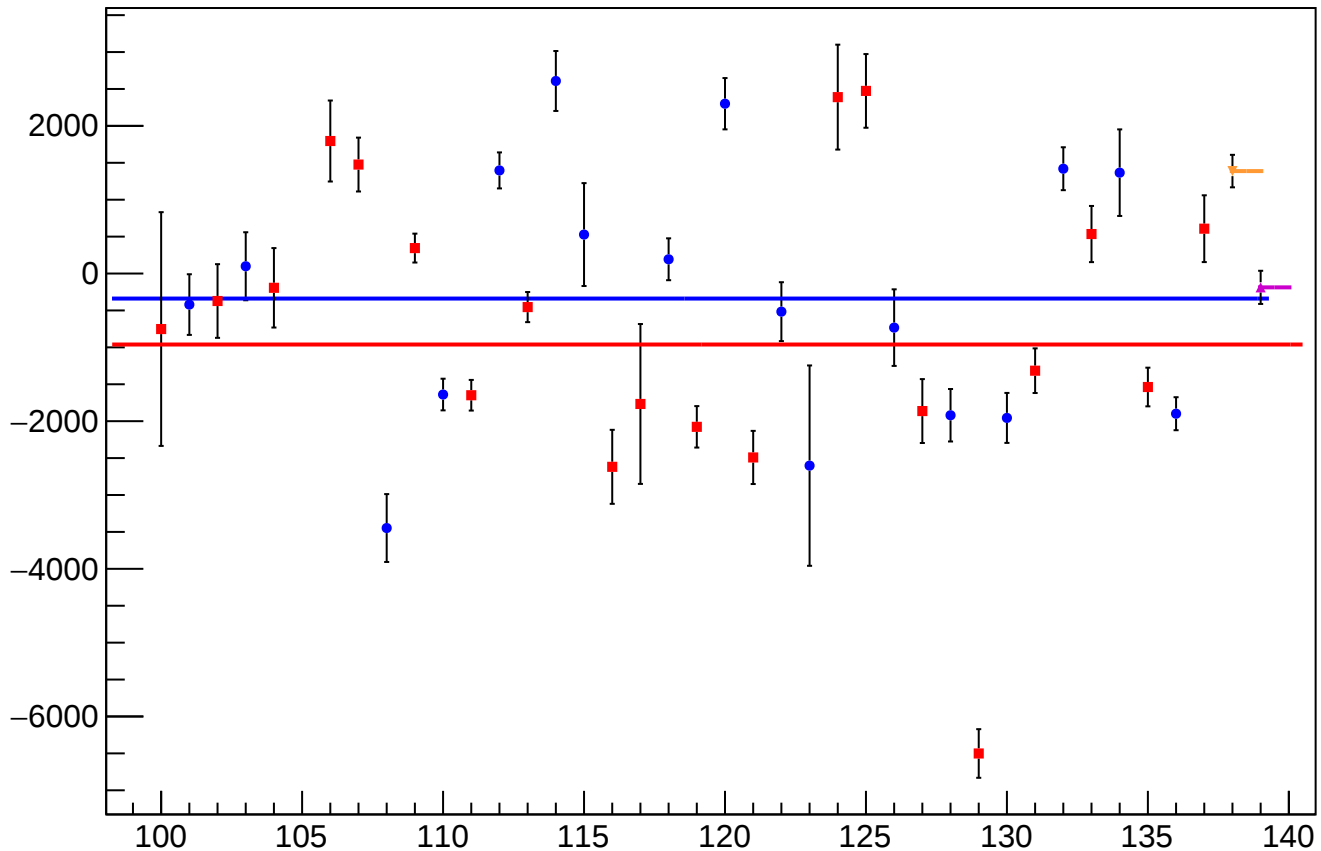
Left In: 209.028 $\pm$ 0.181 χ^2 /NDF:0.0/0

200.659 $\pm$ 0.055 χ^2 /NDF: 919317.4/17

193.186 $\pm$ 0.037 χ^2 /NDF: 2291035.2/38

186.837 $\pm$ 0.050 χ^2 /NDF: 1337029.1/20

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -338.966+/-83.123 χ^2/NDF : 389.5/16

Left Out: 1387.667+/-220.158 χ^2/NDF : 0.0/0

Right Out: -961.556+/-75.564 χ^2/NDF : 570.9/19

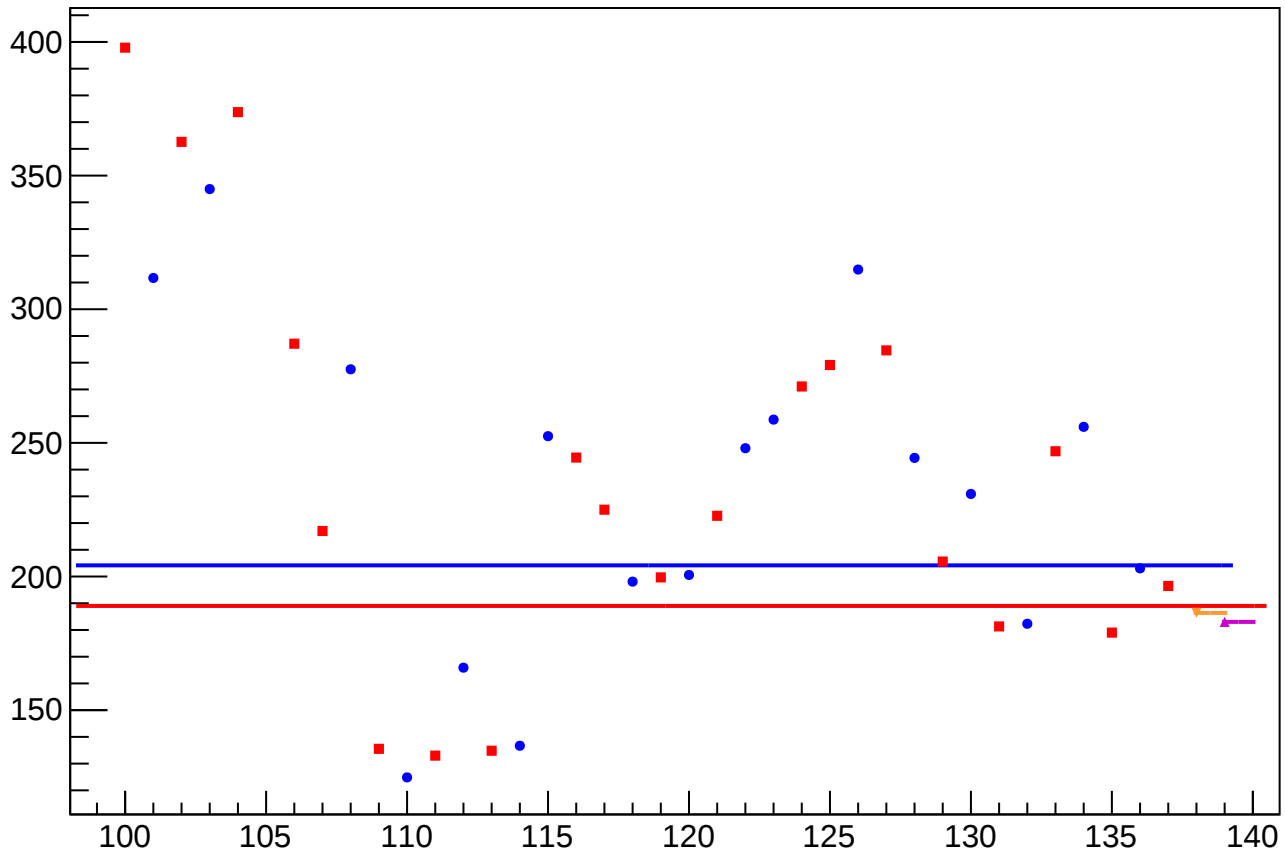
Left In: -187.378+/-224.587 χ^2/NDF : 0.0/0

-123.543+/-77.765 χ^2/NDF : 443.3/17

-534.370+/-52.681 χ^2/NDF : 1076.4/38

-882.828+/-71.619 χ^2/NDF : 581.5/20

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 204.175+/-0.059 χ^2/NDF : 947438.5/16

Left Out: 186.389+/-0.156 χ^2/NDF : 0.0/0

Right Out: 188.997+/-0.053 χ^2/NDF : 1317112.1/19

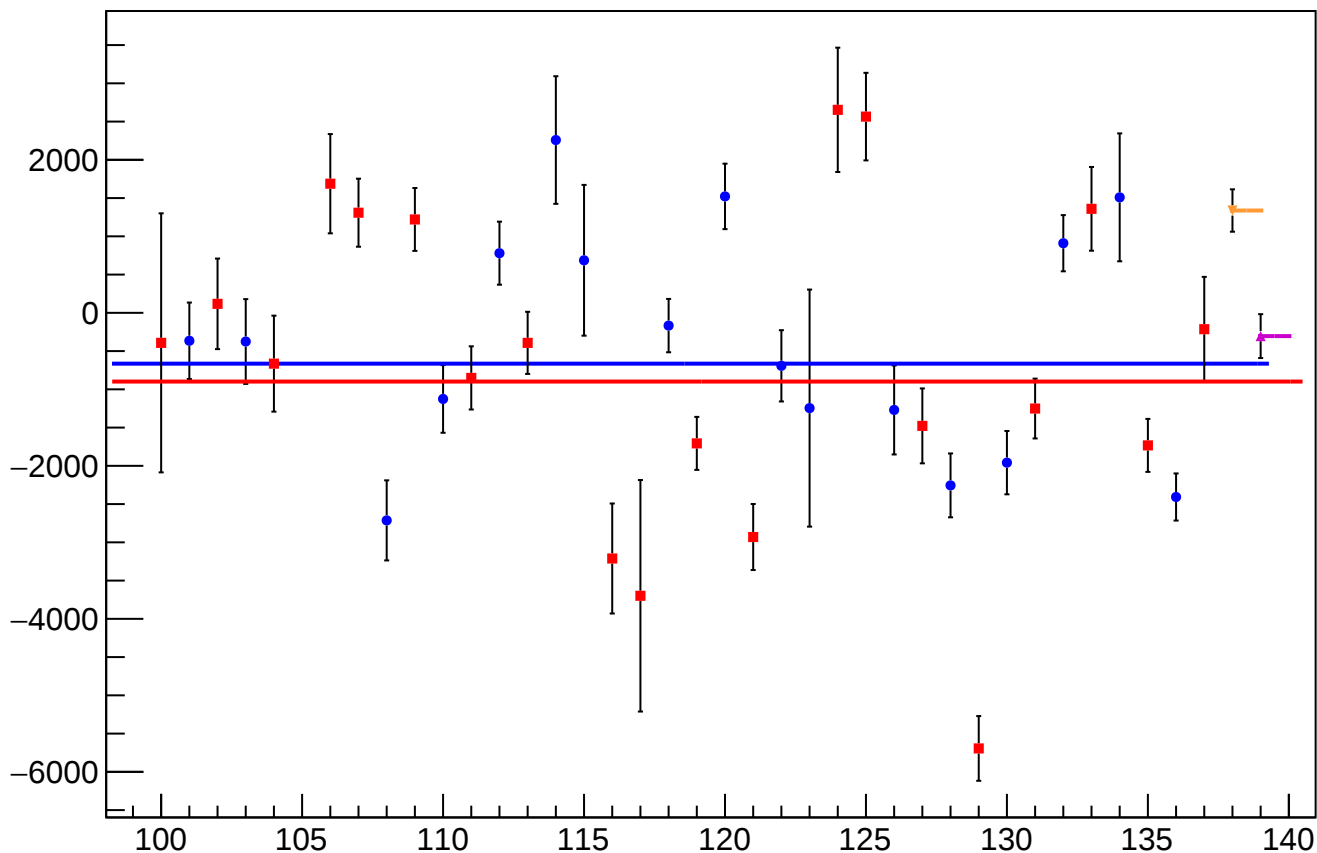
Left In: 183.021+/-0.159 χ^2/NDF : 0.0/0

201.956+/-0.055 χ^2/NDF : 958863.2/17

194.615+/-0.037 χ^2/NDF : 2310182.8/38

188.389+/-0.051 χ^2/NDF : 1318384.2/20

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -664.383+/-113.949 χ^2/NDF : 154.3/16

Left Out: 1337.462+/-276.991 χ^2/NDF : 0.0/0

Right Out: -898.290+/-110.578 χ^2/NDF : 323.5/19

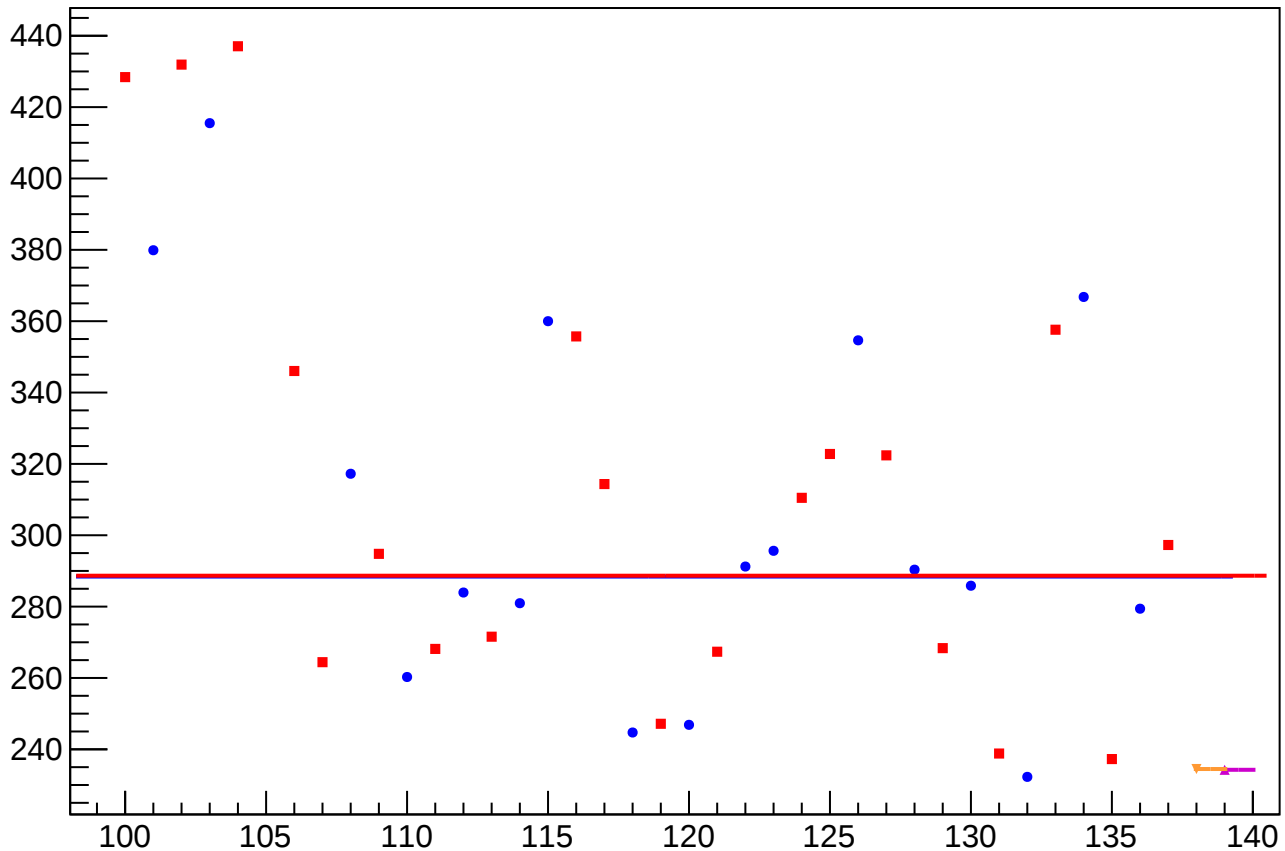
Left In: -304.261+/-286.762 χ^2/NDF : 0.0/0

-374.638+/-105.380 χ^2/NDF : 199.0/17

-602.743+/-73.722 χ^2/NDF : 535.4/38

-821.395+/-103.173 χ^2/NDF : 327.2/20

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 288.428 ± 0.081 χ^2/NDF : 339820.0/16

Left Out: 234.479 ± 0.196 χ^2/NDF : 0.0/0

Right Out: 288.660 ± 0.078 χ^2/NDF : 455989.7/19

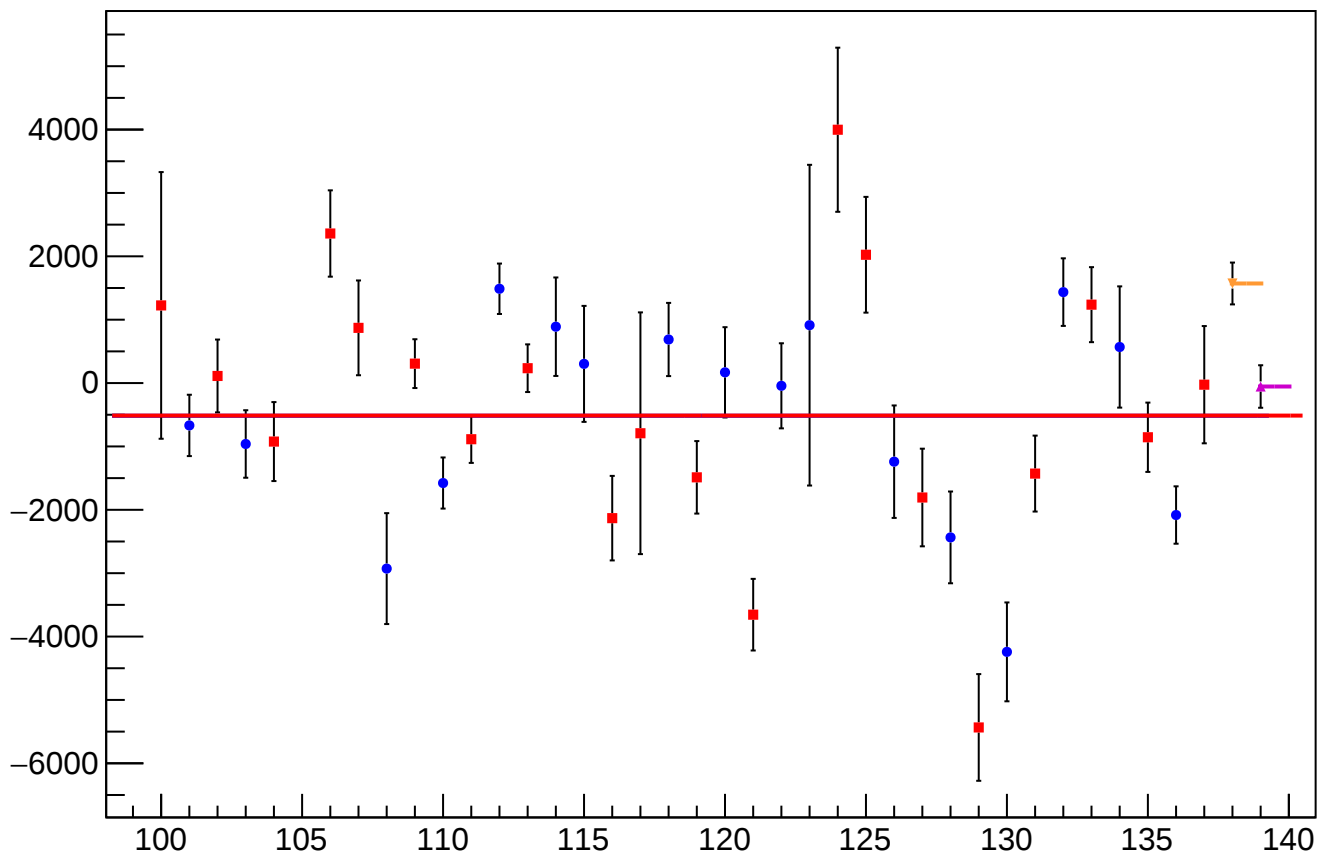
Left In: 234.261 ± 0.203 χ^2/NDF : 0.0/0

280.620 ± 0.075 χ^2/NDF : 404708.5/17

281.129 ± 0.052 χ^2/NDF : 923446.2/38

281.618 ± 0.073 χ^2/NDF : 518646.0/20

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -515.894+/-147.326 χ^2/NDF : 108.0/16

Left Out: 1571.325+/-330.173 χ^2/NDF : 0.0/0

Right Out: -513.264+/-135.456 χ^2/NDF : 141.3/19

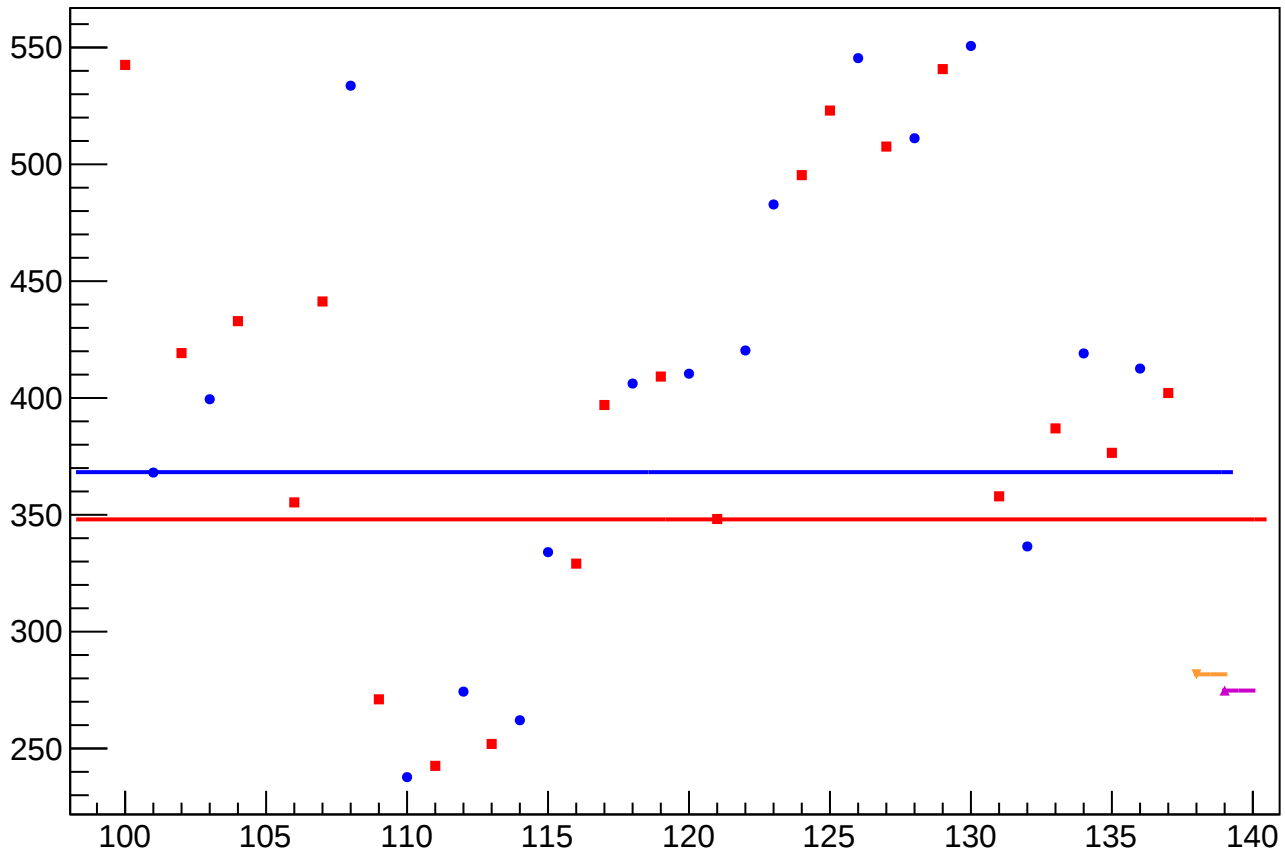
Left In: -54.348+/-335.417 χ^2/NDF : 0.0/0

-169.325+/-134.540 χ^2/NDF : 141.3/17

-318.717+/-91.811 χ^2/NDF : 286.5/38

-448.915+/-125.600 χ^2/NDF : 142.9/20

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 368.264 $\pm$ 0.104 χ^2 /NDF: 770116.6/16

Left Out: 281.739 $\pm$ 0.233 χ^2 /NDF: 0.0/0

Right Out: 348.050 $\pm$ 0.096 χ^2 /NDF: 823186.4/19

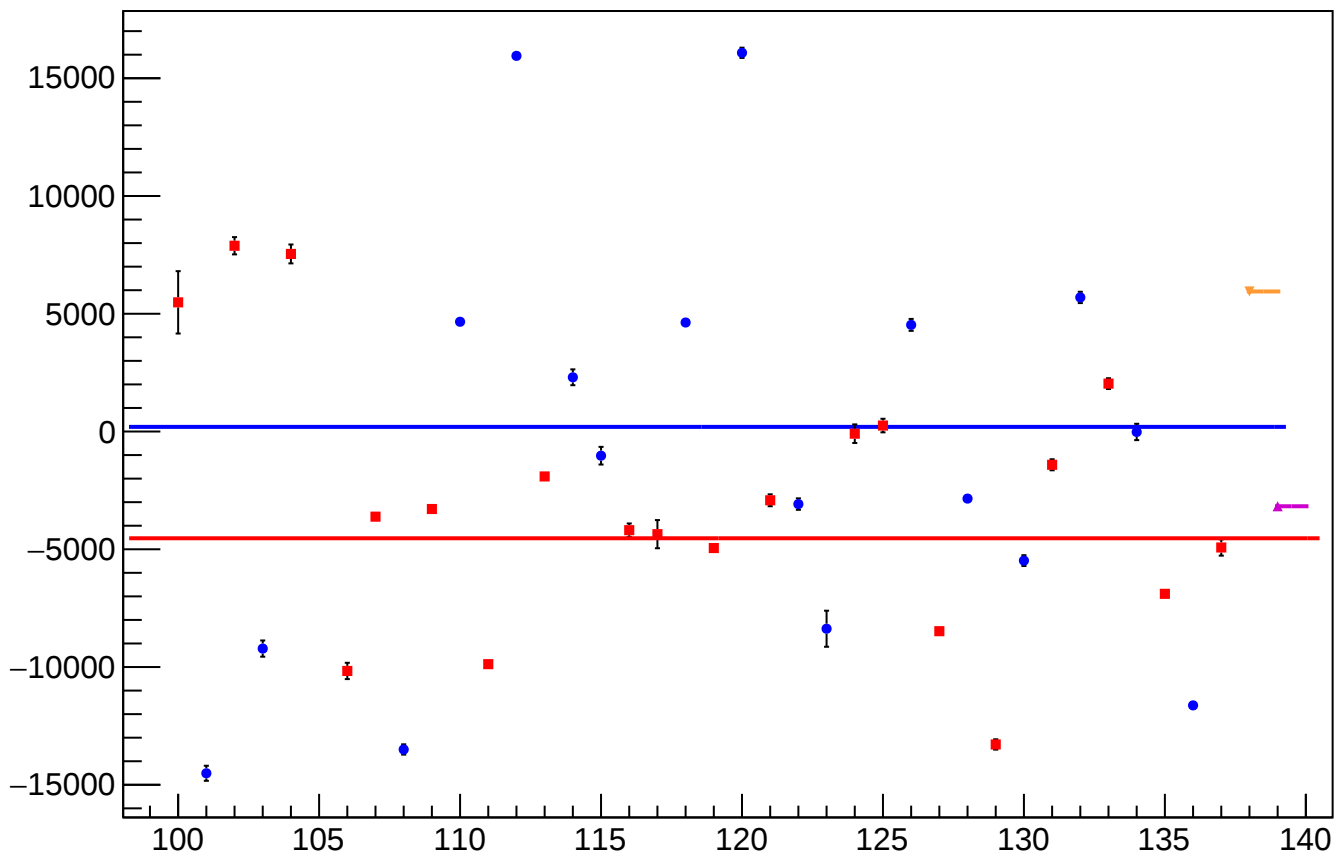
Left In: 274.787 $\pm$ 0.237 χ^2 /NDF: 0.0/0

353.897 $\pm$ 0.095 χ^2 /NDF: 884660.6/17

345.284 $\pm$ 0.065 χ^2 /NDF: 1805227.8/38

337.777 $\pm$ 0.089 χ^2 /NDF: 905225.9/20

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: 5946.609+/-189.647 χ^2/NDF : 0.0/0

Right Out: -4532.856+/-52.261 χ^2/NDF : 7477.3/19

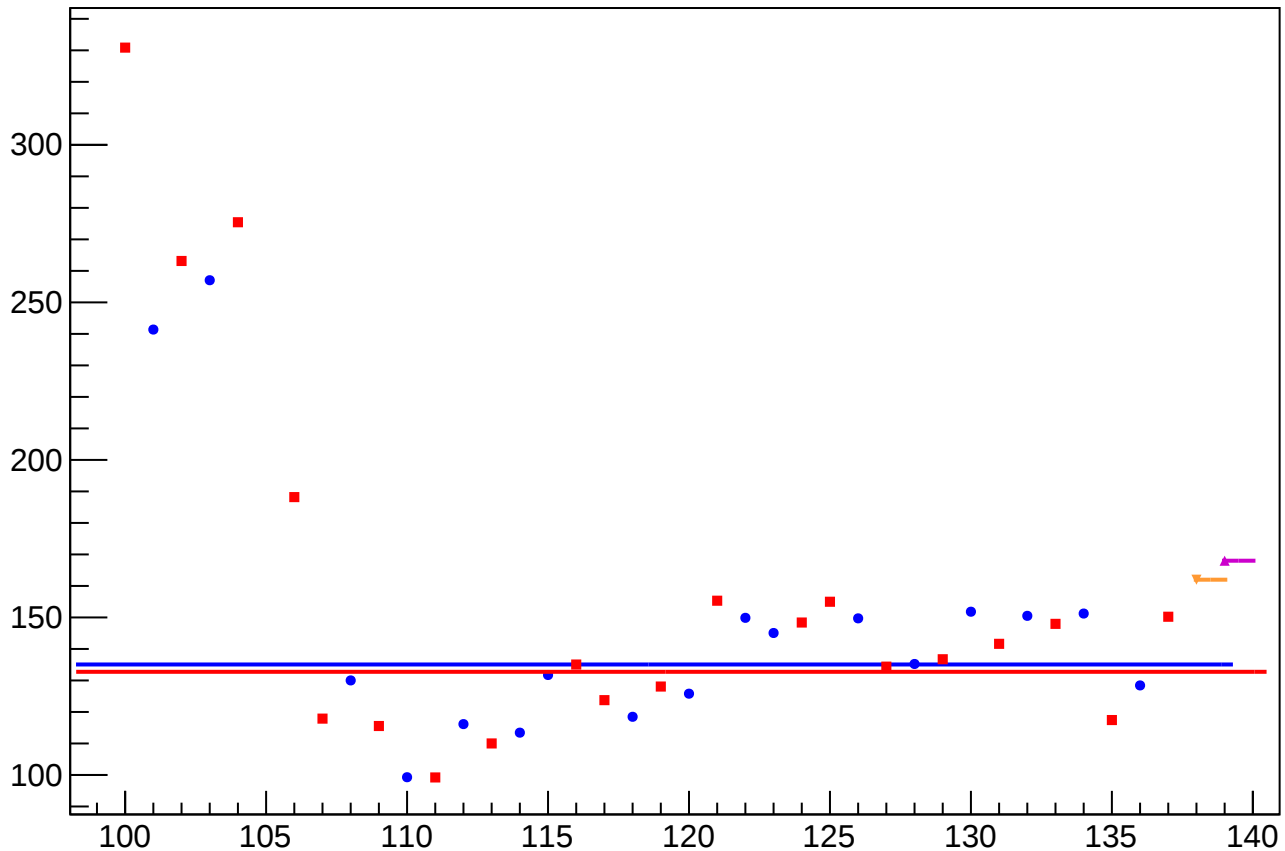
Left In: -3173.321+/-206.324 χ^2/NDF : 0.0/0

640.064+/-52.645 χ^2/NDF : 31506.6/17

-2003.135+/-36.504 χ^2/NDF : 43880.0/38

-4450.888+/-50.661 χ^2/NDF : 7518.1/20

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 161.982 $\pm$ 0.134 χ^2 /NDF: 0.0/0

Right Out: 132.747 $\pm$ 0.037 χ^2 /NDF: 831647.2/19

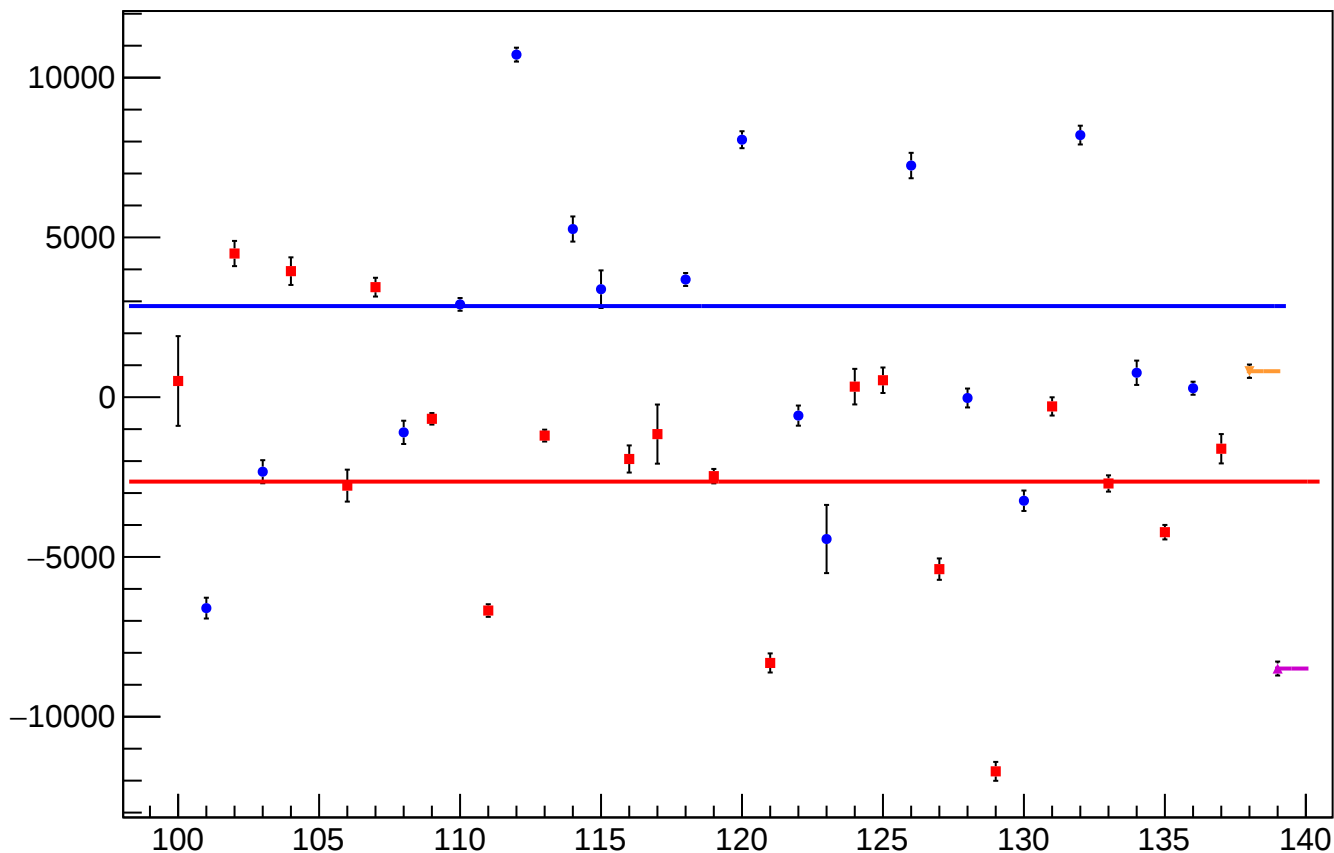
Left In: 168.006 $\pm$ 0.146 χ^2 /NDF: 0.0/0

137.145 $\pm$ 0.037 χ^2 /NDF: 695869.9/17

135.966 $\pm$ 0.026 χ^2 /NDF: 1584339.1/38

134.873 $\pm$ 0.036 χ^2 /NDF: 886534.1/20

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: 812.814+/-209.515 χ^2/NDF : 0.0/0

Right Out: -2641.642+/-65.566 χ^2/NDF : 3178.3/19

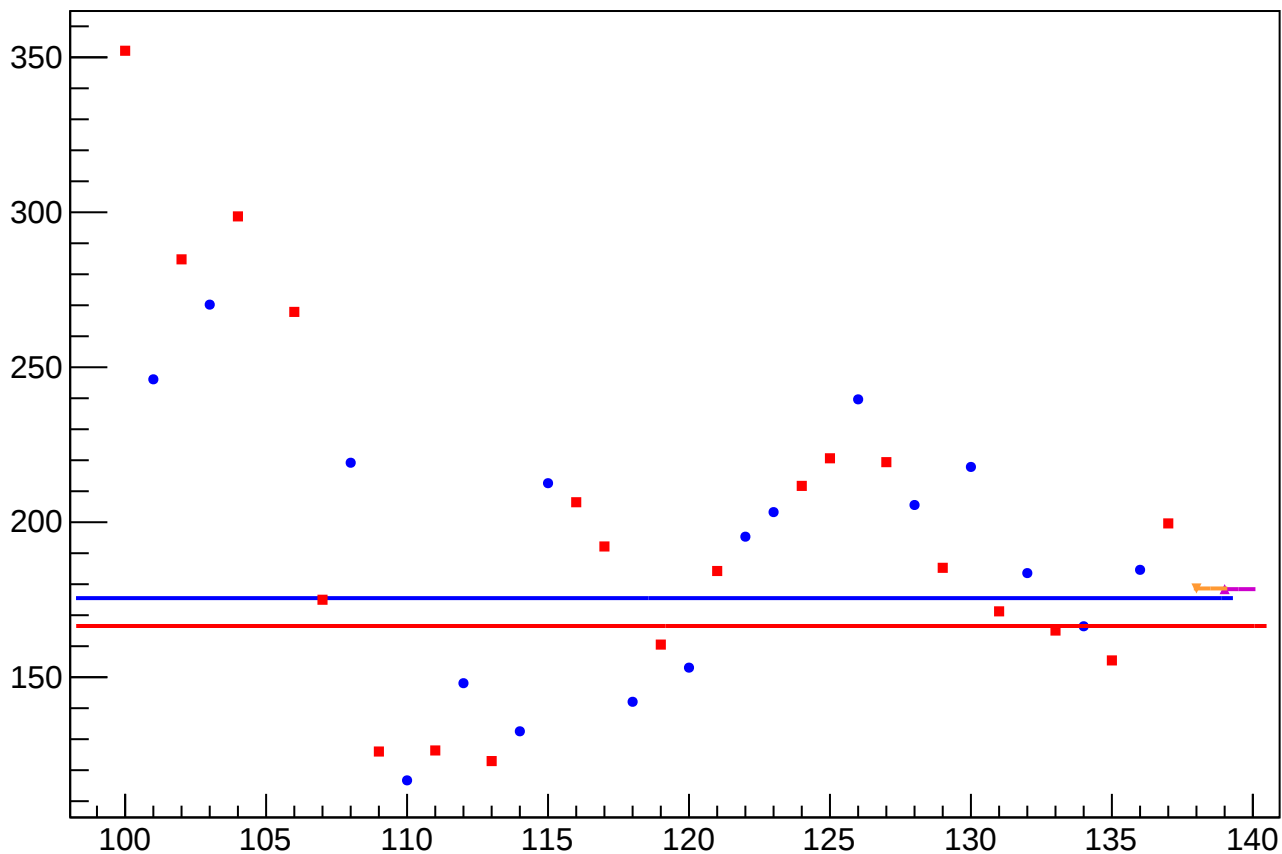
Left In: -8491.955+/-218.578 χ^2/NDF : 0.0/0

2642.749+/-67.034 χ^2/NDF : 4263.1/17

-428.759+/-45.831 χ^2/NDF : 12040.8/38

-3124.591+/-62.801 χ^2/NDF : 3835.5/20

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 175.514+/-0.050 χ^2/NDF : 689642.3/16

Left Out: 178.631+/-0.148 χ^2/NDF : 0.0/0

Right Out: 166.522+/-0.046 χ^2/NDF : 931079.9/19

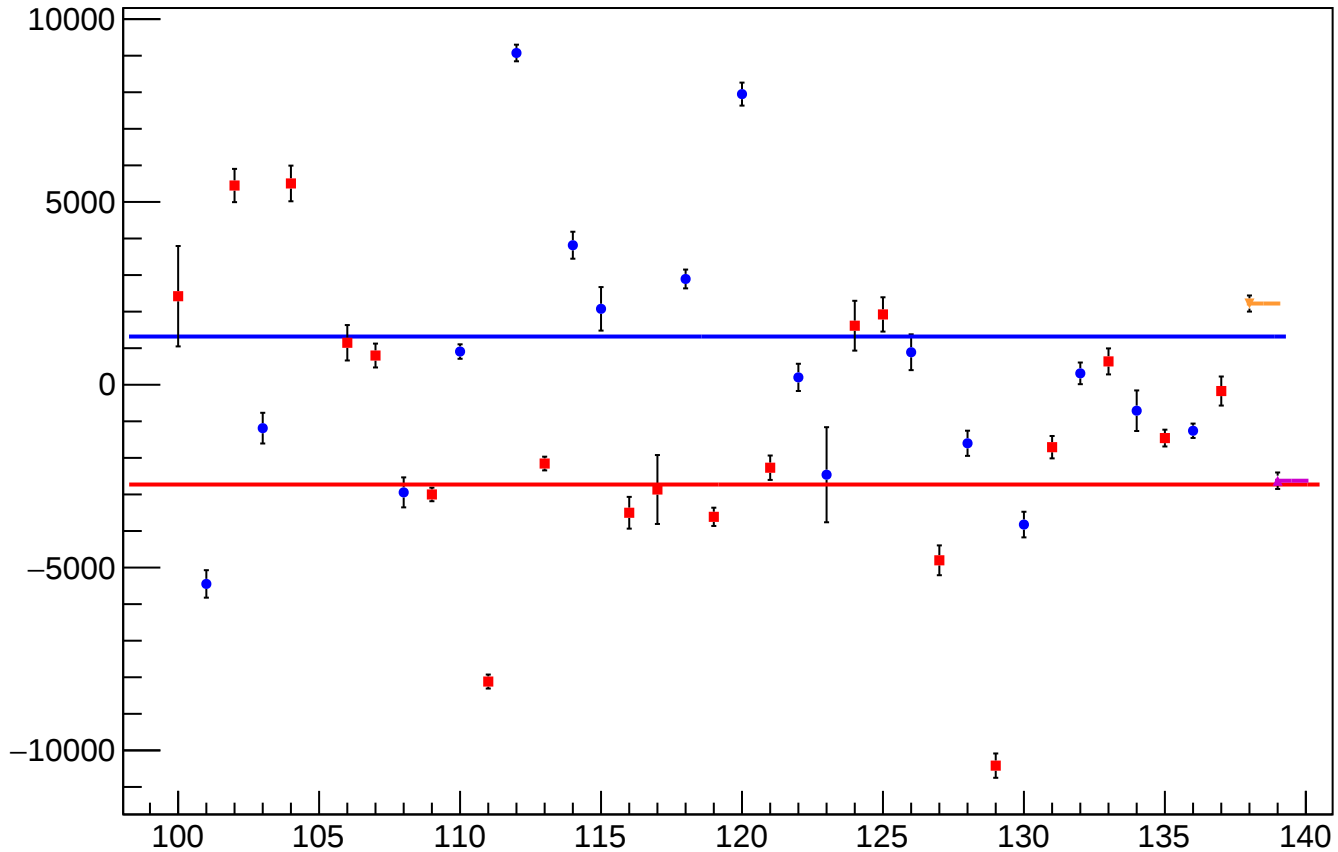
Left In: 178.411+/-0.155 χ^2/NDF : 0.0/0

175.833+/-0.047 χ^2/NDF : 690039.5/17

171.397+/-0.032 χ^2/NDF : 1642993.3/38

167.504+/-0.044 χ^2/NDF : 936507.9/20

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 2221.622+/-220.278 χ^2/NDF : 0.0/0

Right Out: -2728.550+/-69.837 χ^2/NDF : 2495.9/19

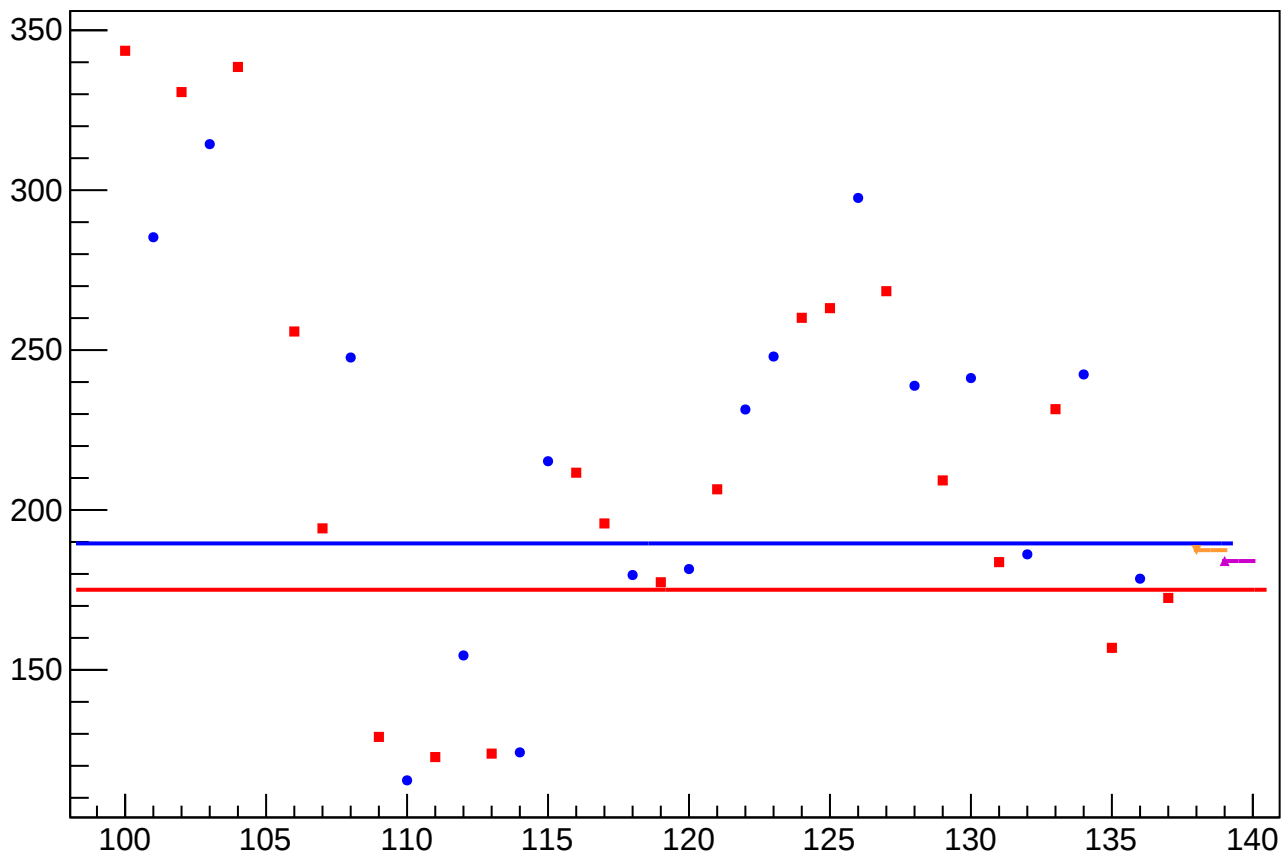
Left In: -2624.561+/-225.333 χ^2/NDF : 0.0/0

1417.623+/-72.810 χ^2/NDF : 2682.0/17

-831.535+/-49.185 χ^2/NDF : 6933.3/38

-2719.436+/-66.706 χ^2/NDF : 2496.1/20

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 189.544+/-0.055 χ^2/NDF : 980744.6/16

Left Out: 187.441+/-0.156 χ^2/NDF : 0.0/0

Right Out: 175.058+/-0.049 χ^2/NDF : 1298079.7/19

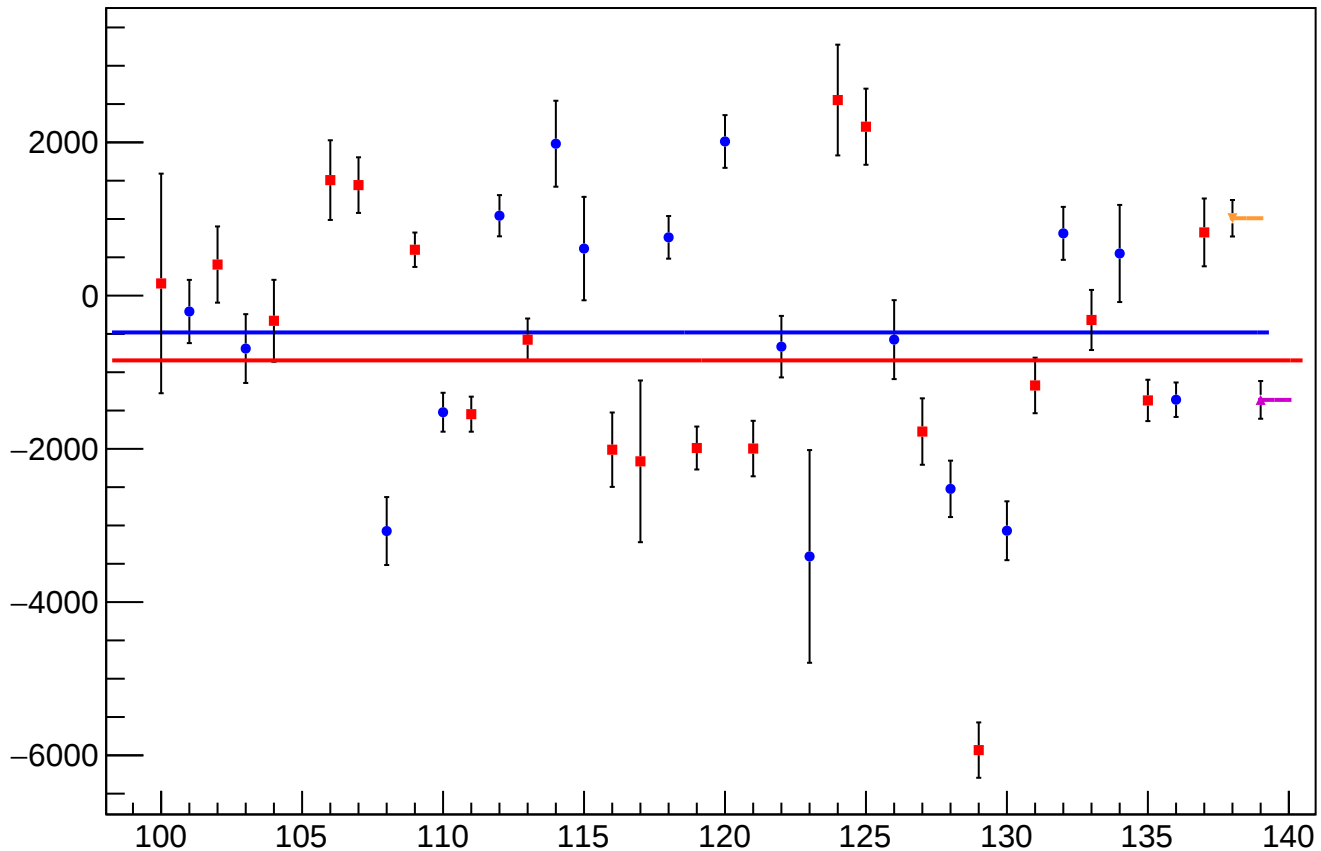
Left In: 184.041+/-0.159 χ^2/NDF : 0.0/0

189.315+/-0.051 χ^2/NDF : 980907.1/17

181.992+/-0.035 χ^2/NDF : 2319097.7/38

175.845+/-0.047 χ^2/NDF : 1300979.8/20

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -480.578+/-88.640 χ^2/NDF : 290.7/16

Left Out: 1009.713+/-238.051 χ^2/NDF : 0.0/0

Right Out: -845.444+/-81.995 χ^2/NDF : 436.9/19

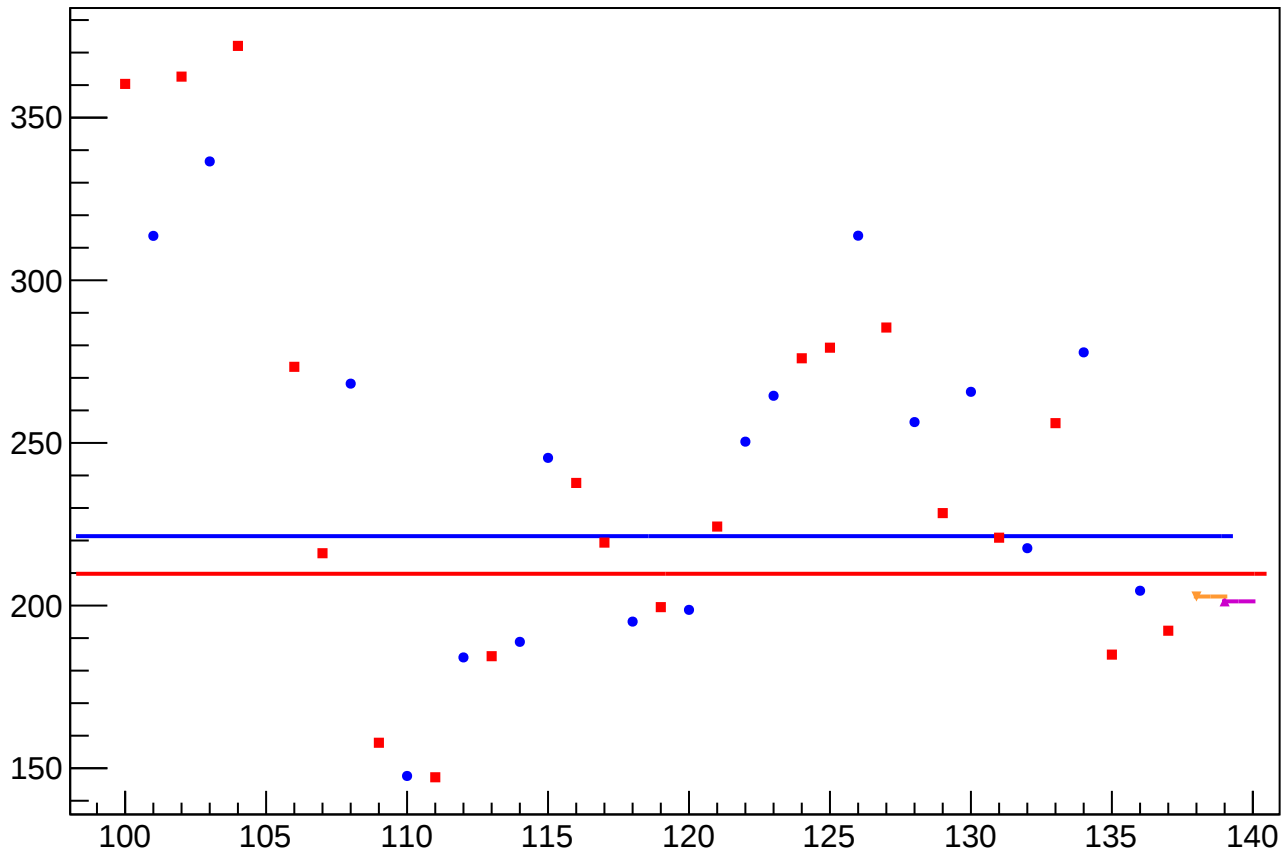
Left In: -1360.927+/-246.243 χ^2/NDF : 0.0/0

-299.109+/-83.068 χ^2/NDF : 325.1/17

-617.577+/-56.782 χ^2/NDF : 793.5/38

-896.895+/-77.795 χ^2/NDF : 440.8/20

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 202.787 $\pm$ 0.168 χ^2 /NDF: 0.0/0

Right Out: 209.775 $\pm$ 0.058 χ^2 /NDF: 884083.7/19

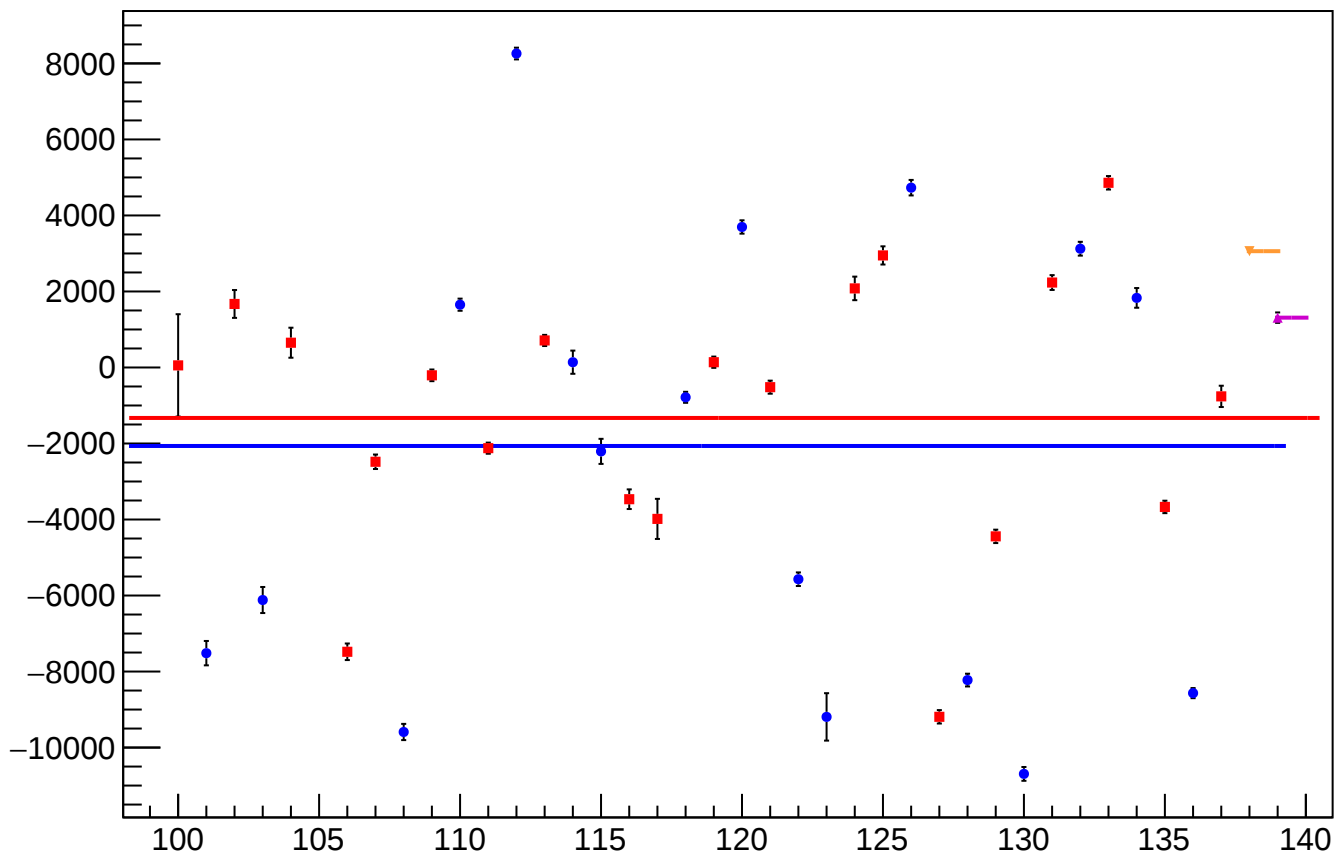
Left In: 201.295 $\pm$ 0.174 χ^2 /NDF: 0.0/0

219.083 $\pm$ 0.059 χ^2 /NDF: 656359.0/17

213.673 $\pm$ 0.040 χ^2 /NDF: 1558499.2/38

208.928 $\pm$ 0.055 χ^2 /NDF: 886218.7/20

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: 3059.920 ± 129.379 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -1327.819 ± 44.838 $\chi^2/\text{NDF}: 5919.9/19$

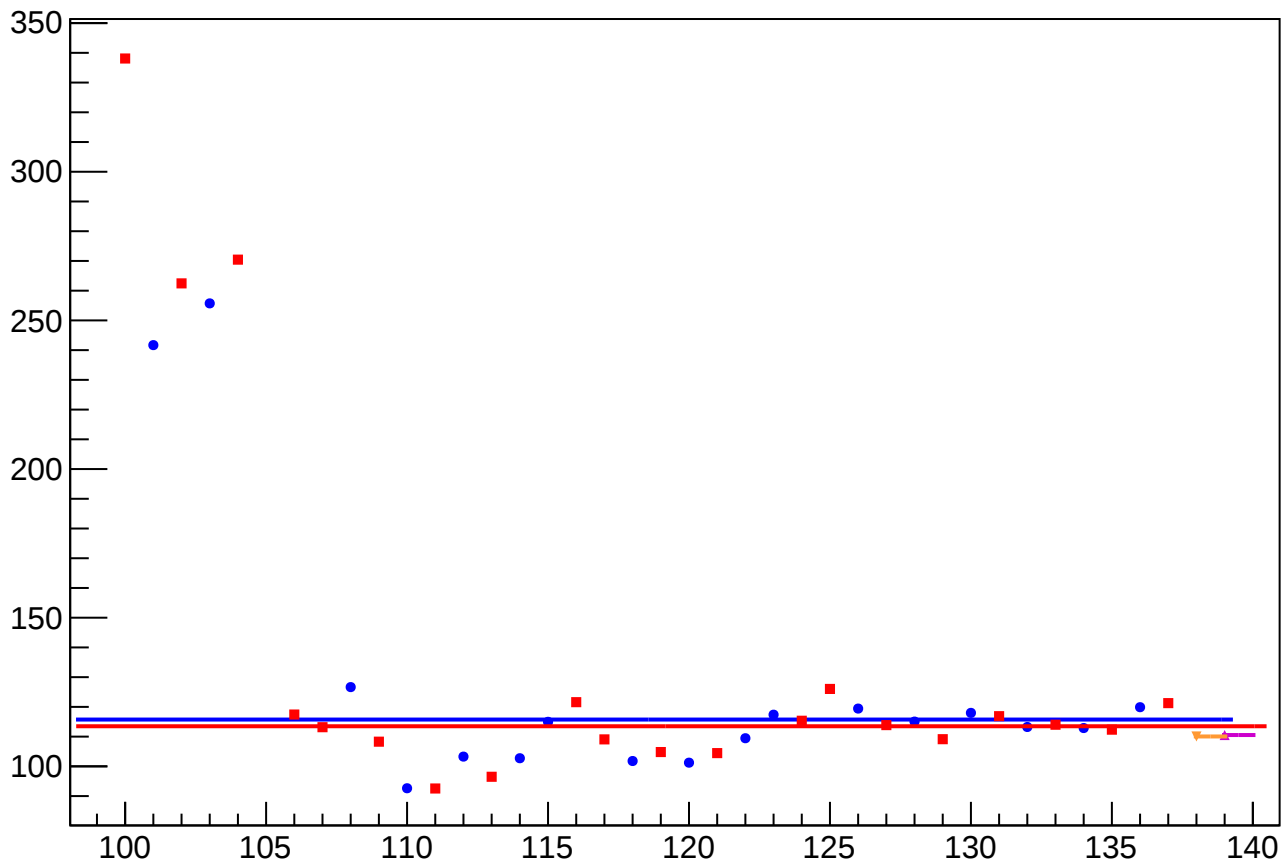
Left In: 1310.835 ± 136.967 $\chi^2/\text{NDF}: 0.0/0$

-1460.420 ± 44.443 $\chi^2/\text{NDF}: 17917.3/17$

-1258.265 ± 30.758 $\chi^2/\text{NDF}: 24212.1/38$

-1072.410 ± 42.613 $\chi^2/\text{NDF}: 6255.1/20$

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 $\pm$ 0.033 χ^2 /NDF: 744017.7/16

Left Out: 110.051 $\pm$ 0.091 χ^2 /NDF: 0.0/0

Right Out: 113.487 $\pm$ 0.032 χ^2 /NDF: 796781.7/19

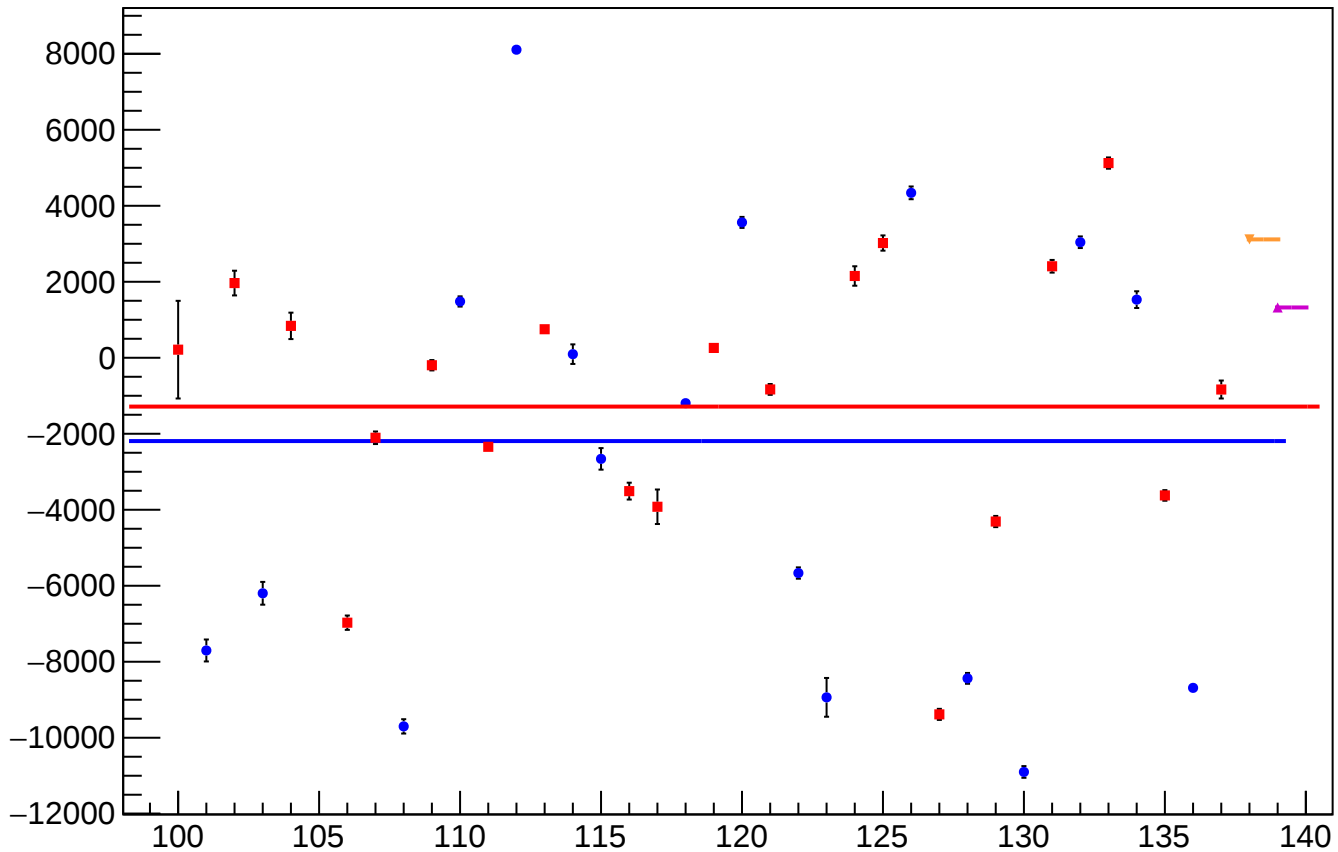
Left In: 110.534 $\pm$ 0.097 χ^2 /NDF: 0.0/0

115.069 $\pm$ 0.031 χ^2 /NDF: 747429.5/17

114.096 $\pm$ 0.022 χ^2 /NDF: 1546891.5/38

113.201 $\pm$ 0.030 χ^2 /NDF: 797621.2/20

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2192.327 ± 39.944 $\chi^2/\text{NDF}: 22813.5/16$

Left Out: 3115.317 ± 118.207 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -1284.692 ± 37.915 $\chi^2/\text{NDF}: 8584.4/19$

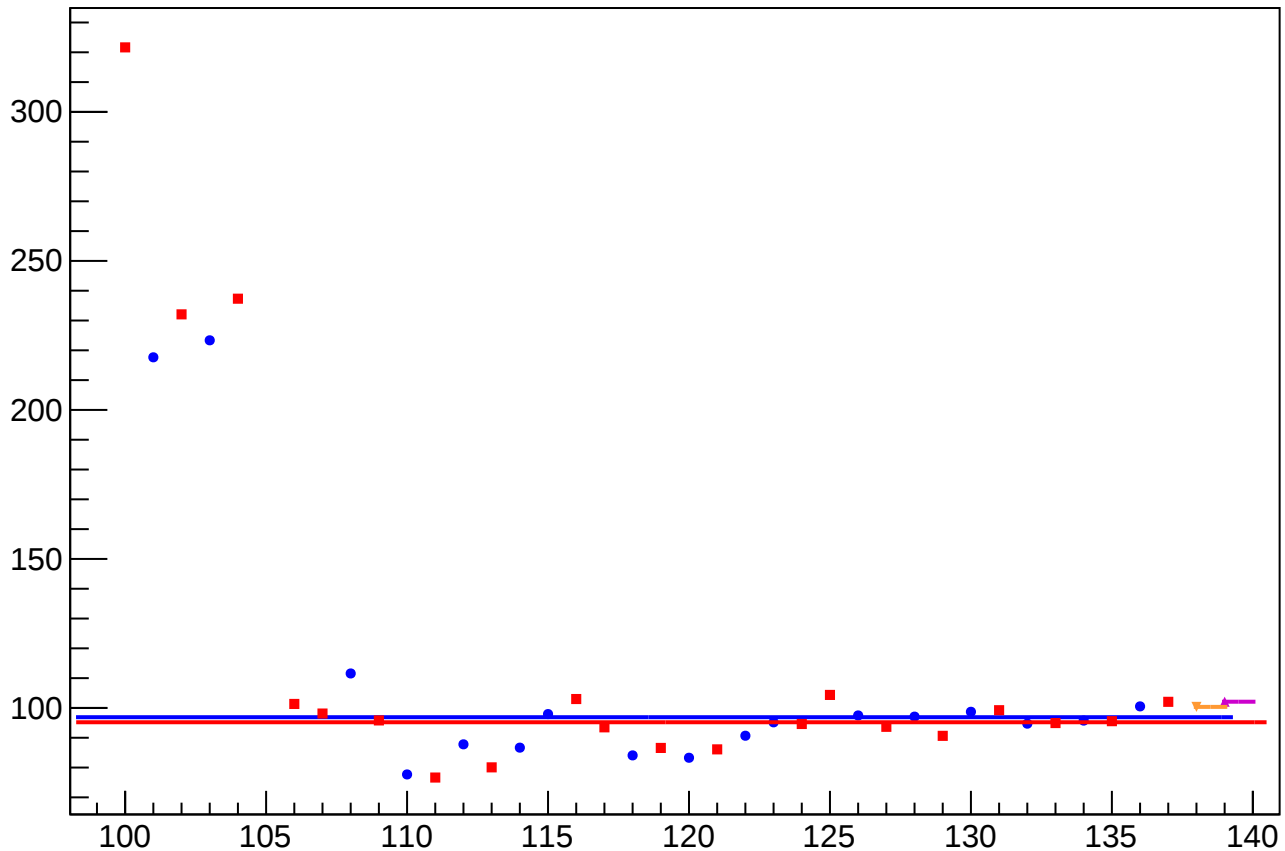
Left In: 1323.948 ± 126.669 $\chi^2/\text{NDF}: 0.0/0$

-1648.375 ± 37.842 $\chi^2/\text{NDF}: 24623.0/17$

-1347.445 ± 26.205 $\chi^2/\text{NDF}: 33718.2/38$

-1070.187 ± 36.323 $\chi^2/\text{NDF}: 8973.7/20$

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 96.894+/-0.028 χ^2/NDF : 817229.9/16

Left Out: 100.356+/-0.084 χ^2/NDF : 0.0/0

Right Out: 95.201+/-0.027 χ^2/NDF : 859838.2/19

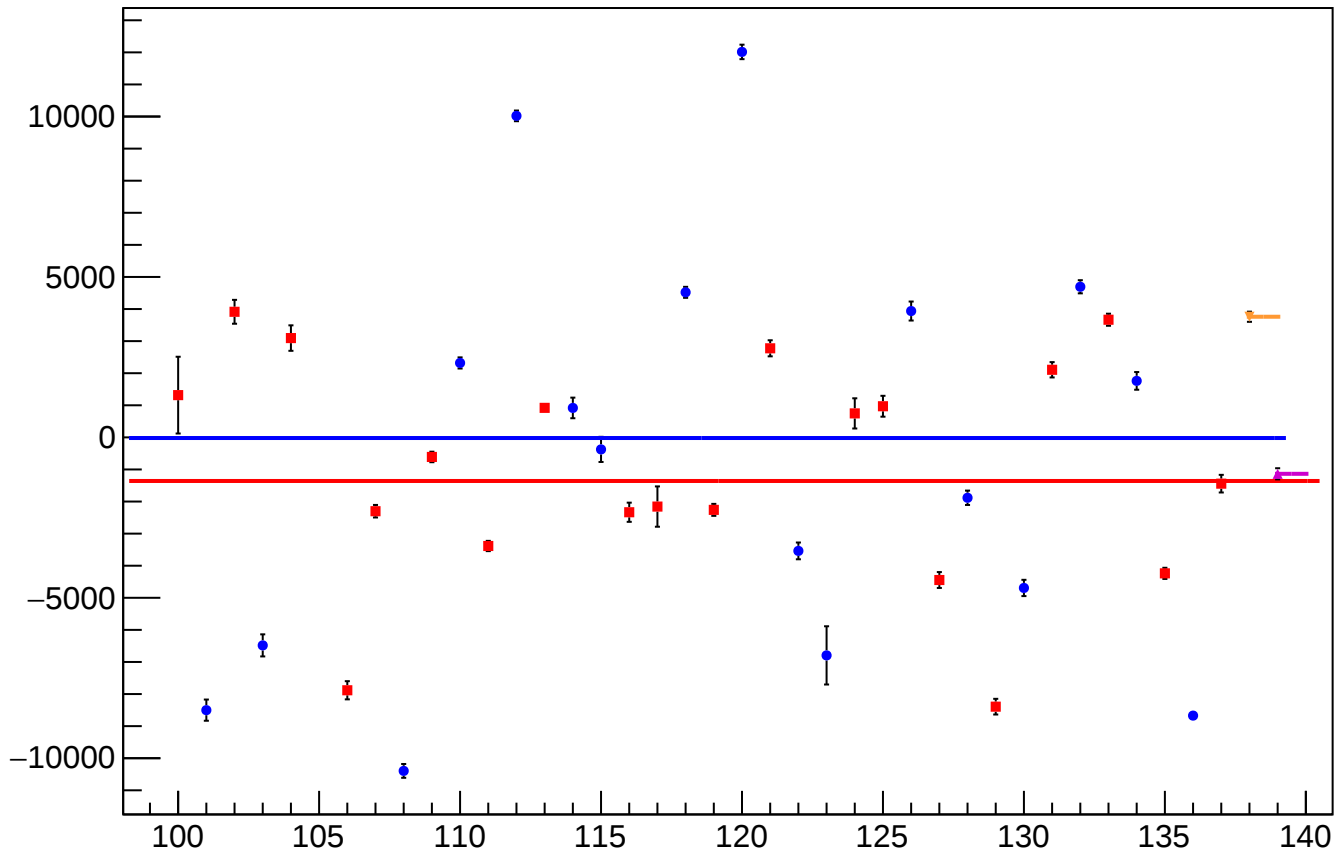
Left In: 102.091+/-0.090 χ^2/NDF : 0.0/0

97.249+/-0.027 χ^2/NDF : 818769.9/17

96.478+/-0.019 χ^2/NDF : 1685631.2/38

95.768+/-0.026 χ^2/NDF : 865267.4/20

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -19.990 ± 54.643 $\chi^2/\text{NDF}: 16361.0/16$

Left Out: 3760.000 ± 158.274 $\chi^2/\text{NDF}: 0.0/0$

Right Out: -1359.001 ± 52.186 $\chi^2/\text{NDF}: 3838.8/19$

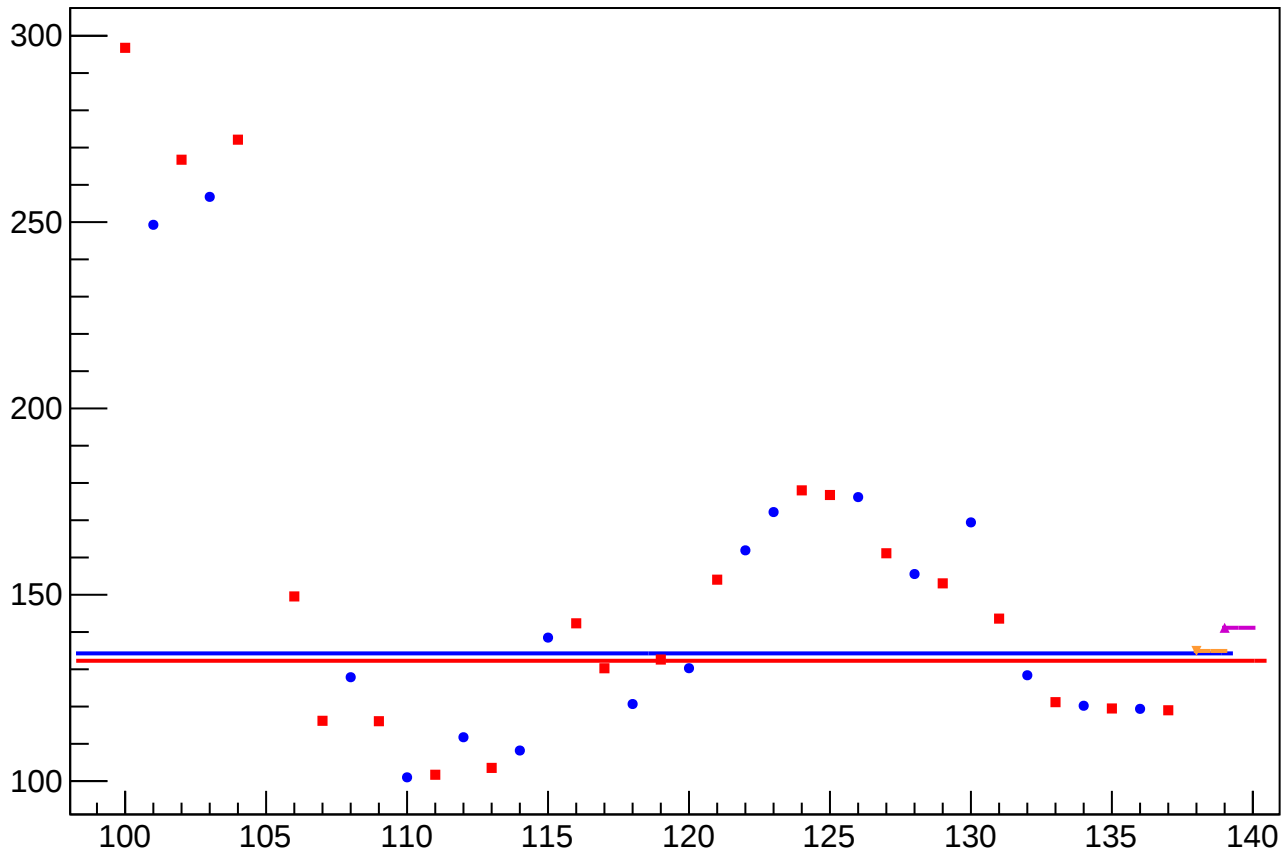
Left In: -1135.729 ± 173.929 $\chi^2/\text{NDF}: 0.0/0$

382.580 ± 51.652 $\chi^2/\text{NDF}: 16870.7/17$

-507.252 ± 35.919 $\chi^2/\text{NDF}: 21285.7/38$

-1340.561 ± 49.984 $\chi^2/\text{NDF}: 3840.3/20$

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 134.268+/-0.039 χ^2/NDF : 788647.0/16

Left Out: 134.922+/-0.112 χ^2/NDF : 0.0/0

Right Out: 132.288+/-0.037 χ^2/NDF : 869913.4/19

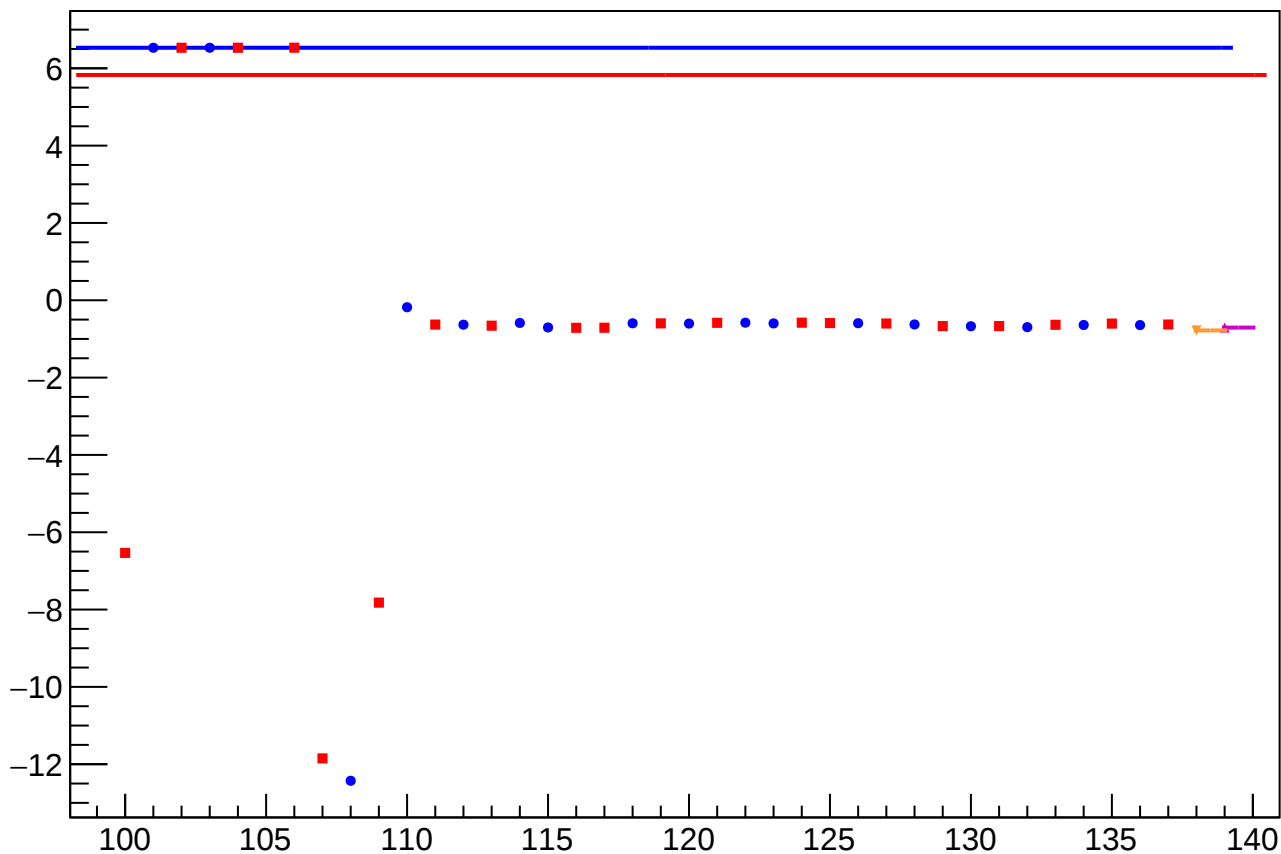
Left In: 141.142+/-0.123 χ^2/NDF : 0.0/0

134.337+/-0.037 χ^2/NDF : 788677.6/17

133.657+/-0.025 χ^2/NDF : 1664018.1/38

133.019+/-0.035 χ^2/NDF : 874668.2/20

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF : 127906780672.7/16

Left Out: -0.780+/-0.000 χ^2/NDF : 0.0/0

Right Out: 5.827+/-0.000 χ^2/NDF : 755949520765363.8/19

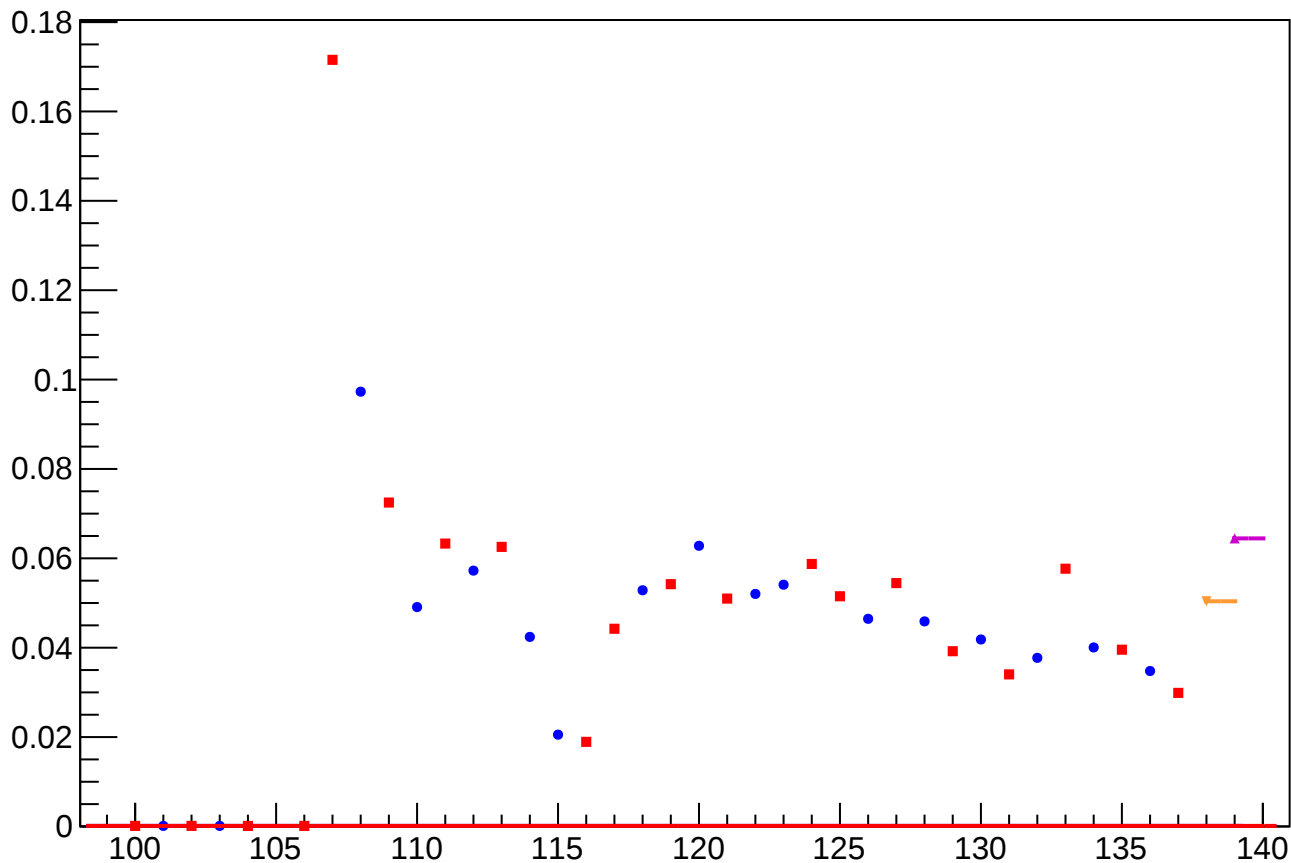
Left In: -0.707+/-0.000 χ^2/NDF : 0.0/0

6.532+/-0.000 χ^2/NDF : 140751980976.5/17

6.155+/-0.000 χ^2/NDF : 77609975950441

5.827+/-0.000 χ^2/NDF : 755956248019763.8/20

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.050+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 9453181.1/19

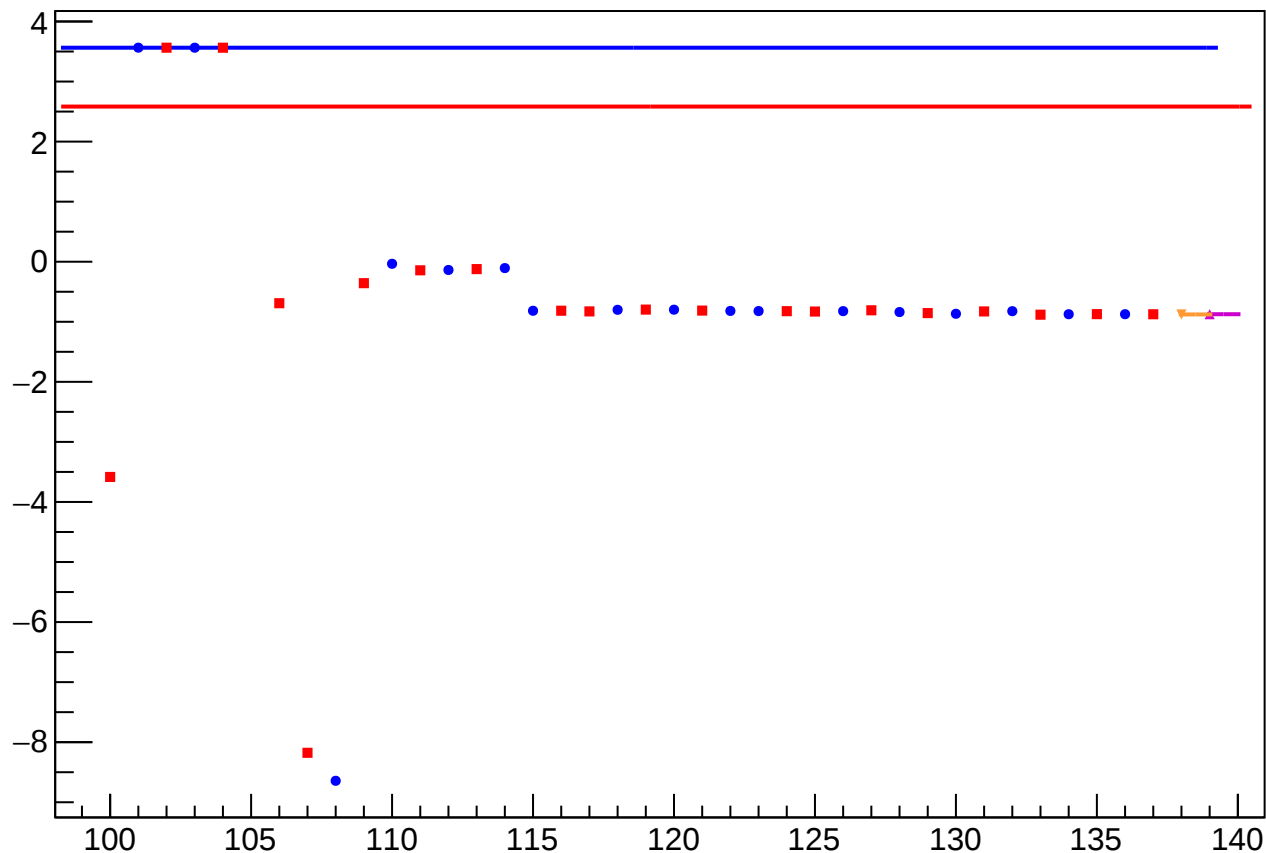
Left In: 0.064+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 10242529.0/17

0.000+/-0.000 χ^2/NDF : 21000466.8/38

0.000+/-0.000 χ^2/NDF : 10757679.6/20

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563 ± 0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.878 ± 0.000 χ^2/NDF : 0.0/0

Right Out: 2.583 ± 0.000 χ^2/NDF : 1253506756008351.0/19

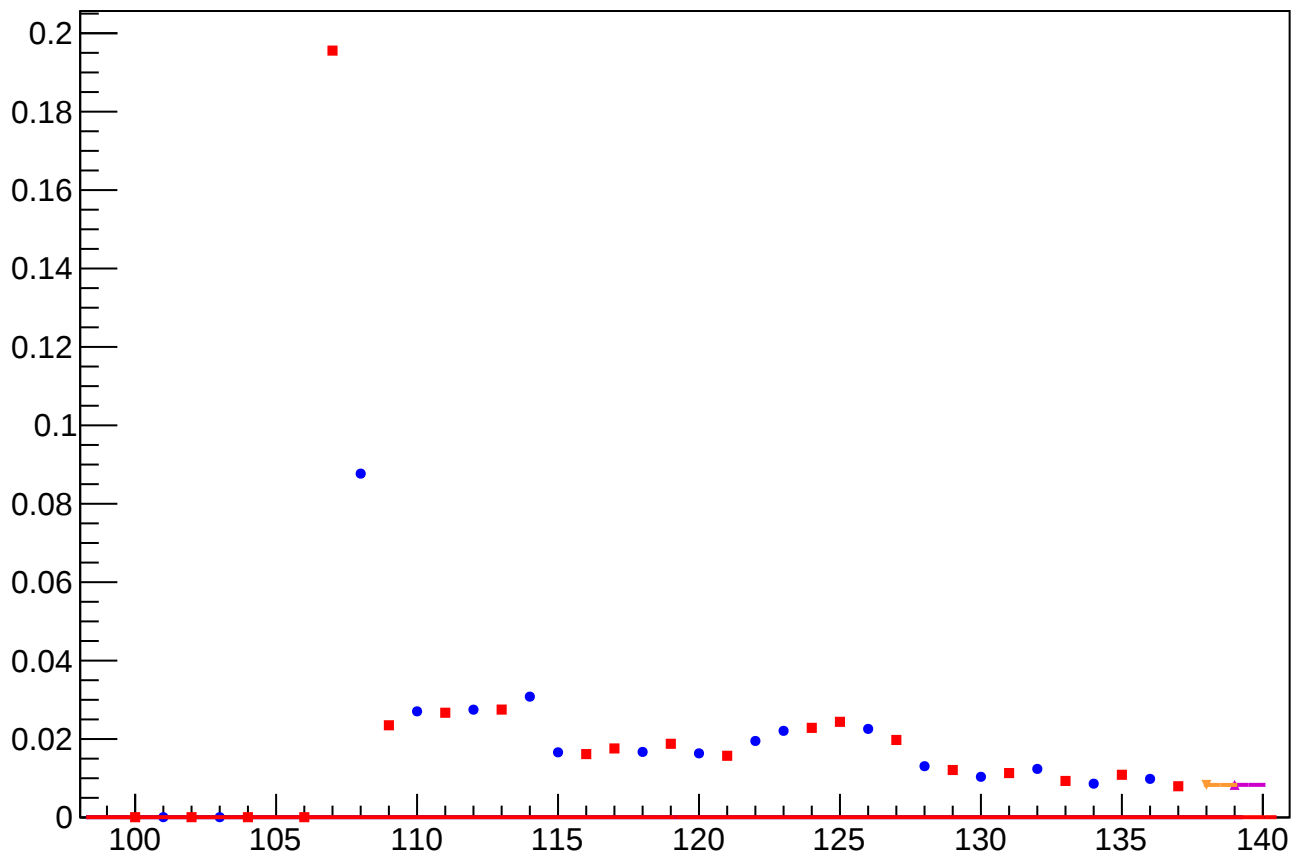
Left In: -0.874 ± 0.000 χ^2/NDF : 0.0/0

3.563 ± 0.000 χ^2/NDF : 688630414042.1/17

3.040 ± 0.000 χ^2/NDF : 13825704015639

2.583 ± 0.000 χ^2/NDF : 1253622485097778.0/2

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9848258.0/16

Left Out: 0.008+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 9955781.5/19

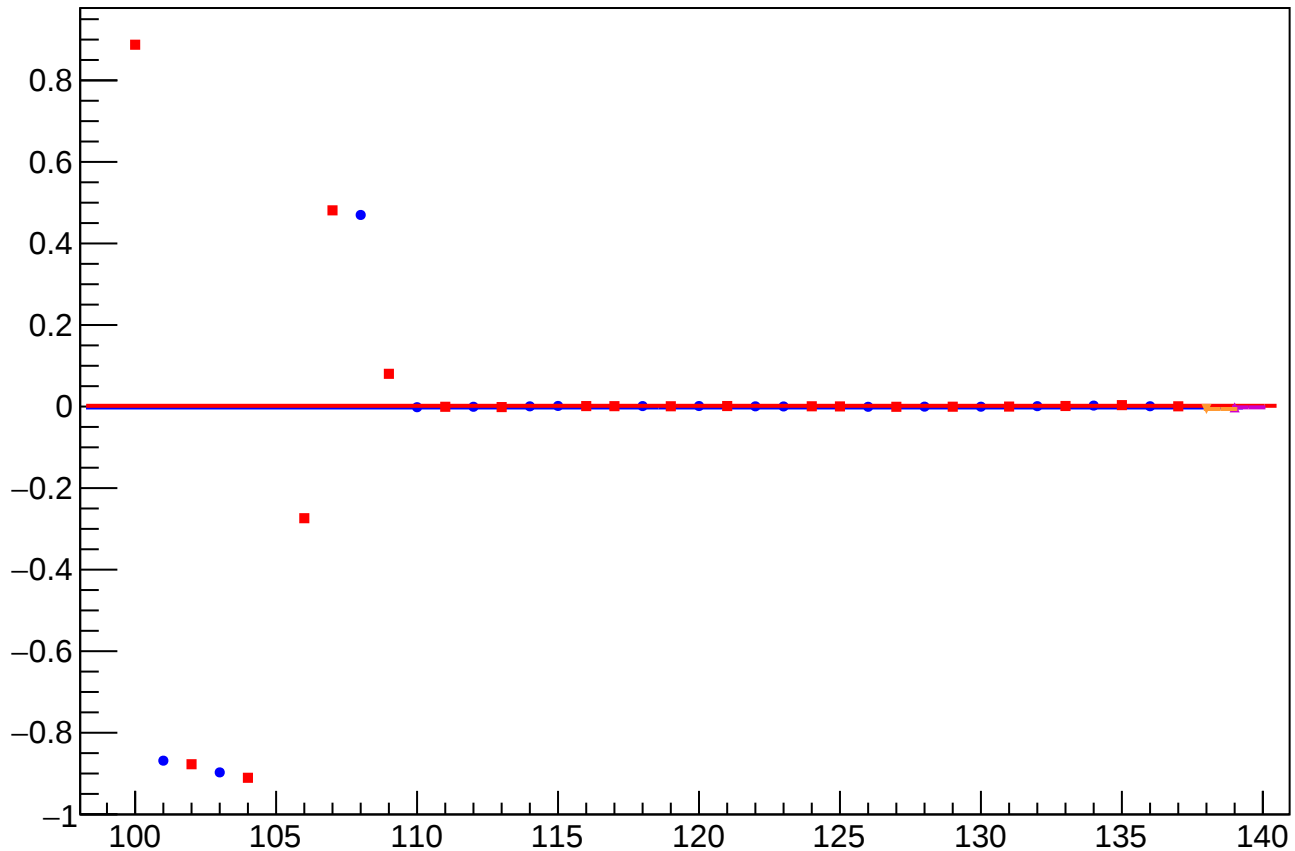
Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 11232252.5/17

0.000+/-0.000 χ^2/NDF : 22504800.5/38

0.000+/-0.000 χ^2/NDF : 11272238.4/20

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF : 9795424036.3/16

Left Out: -0.006+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF : 3041335141.0/19

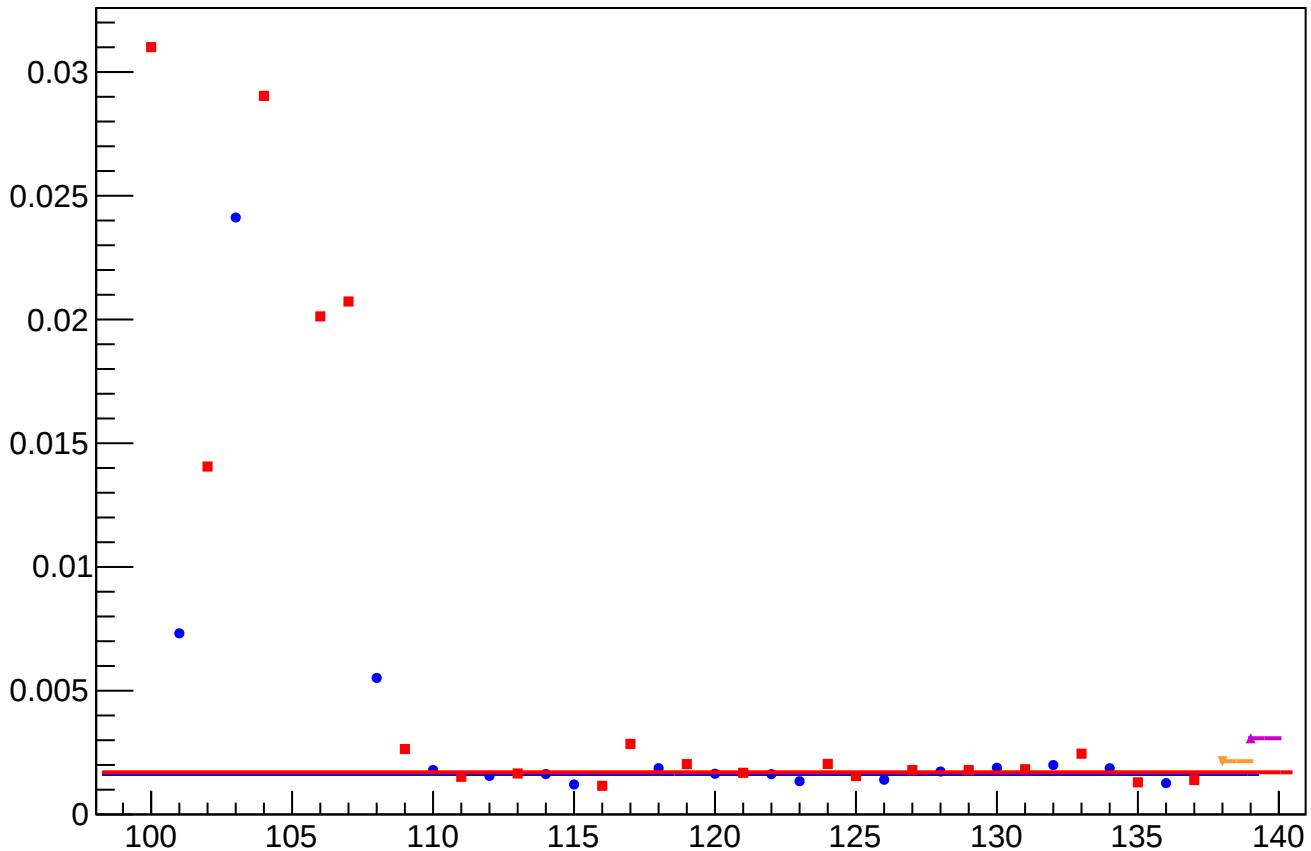
Left In: -0.002+/-0.000 χ^2/NDF : 0.0/0

-0.003+/-0.000 χ^2/NDF : 9797059146.5/17

-0.001+/-0.000 χ^2/NDF : 12854692029.9/3

0.002+/-0.000 χ^2/NDF : 3042332379.6/20

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1919127.9/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3038397.4/19

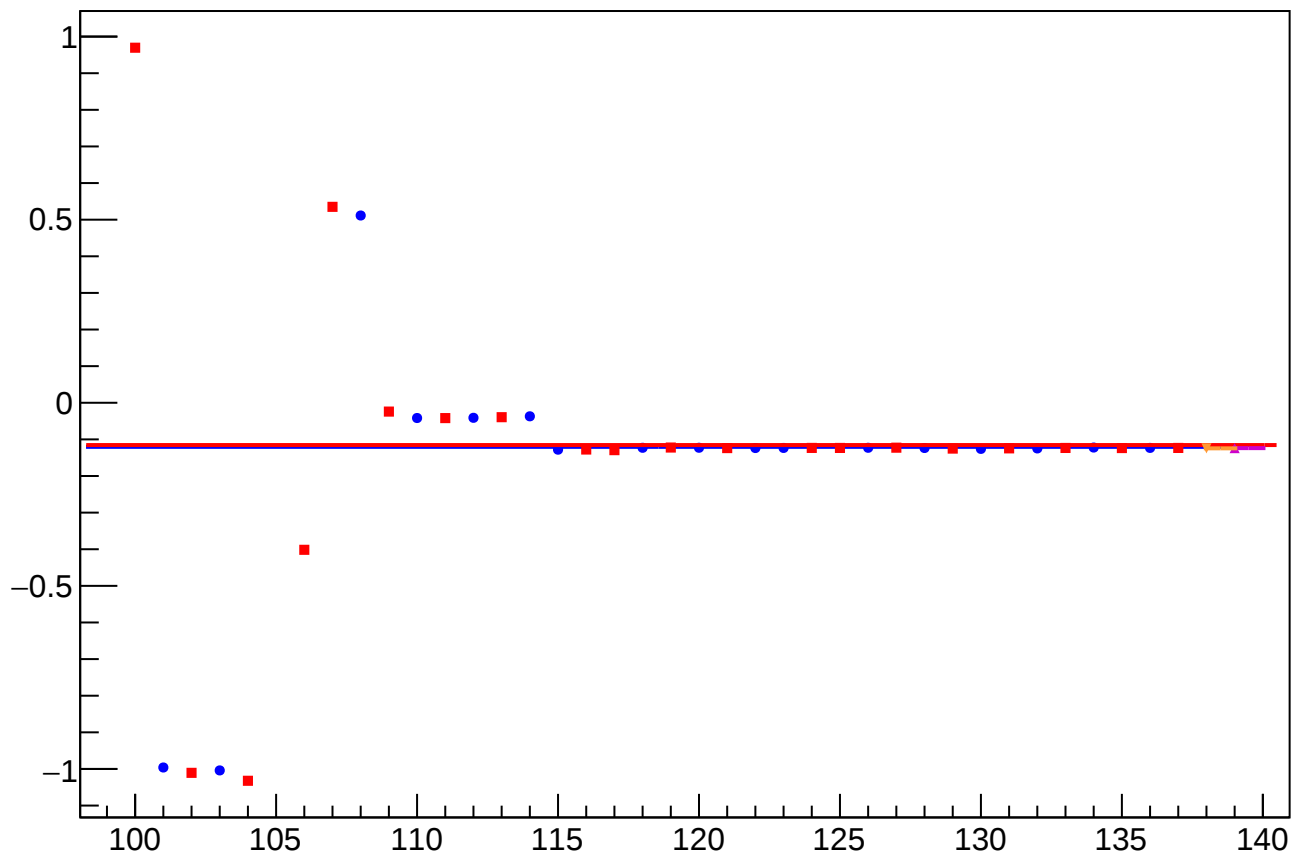
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.002 $\pm$ 0.000 χ^2 /NDF: 1982623.9/17

0.002 $\pm$ 0.000 χ^2 /NDF: 5293267.0/38

0.002 $\pm$ 0.000 χ^2 /NDF: 3296320.3/20

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.124+/-0.000 χ^2/NDF : 0.0/0

Right Out: -0.115+/-0.000 χ^2/NDF : 2458720596.9/19

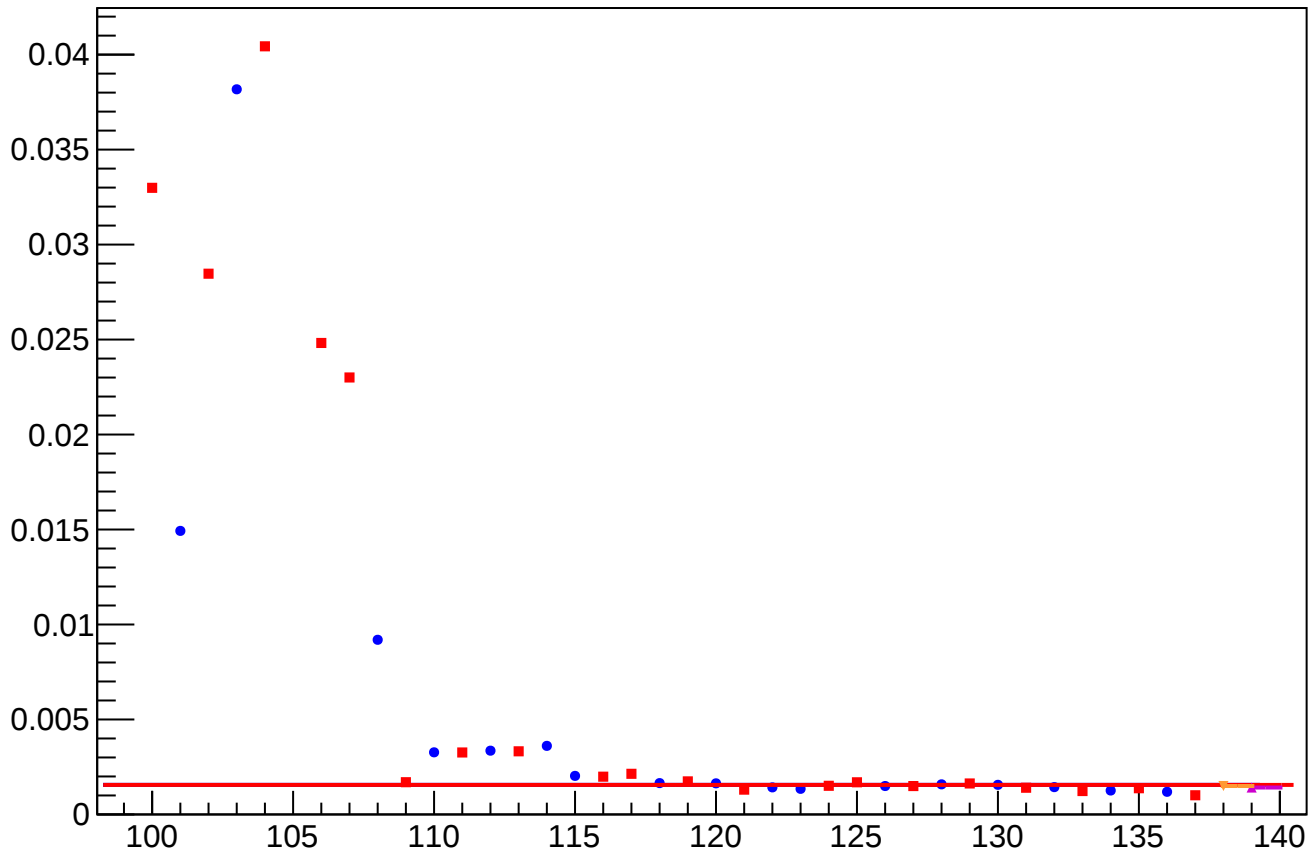
Left In: -0.124+/-0.000 χ^2/NDF : 0.0/0

-0.121+/-0.000 χ^2/NDF : 3936564139.4/17

-0.119+/-0.000 χ^2/NDF : 6433381800.9/38

-0.117+/-0.000 χ^2/NDF : 2476790247.7/20

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:0.0/0

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3544377.2/19

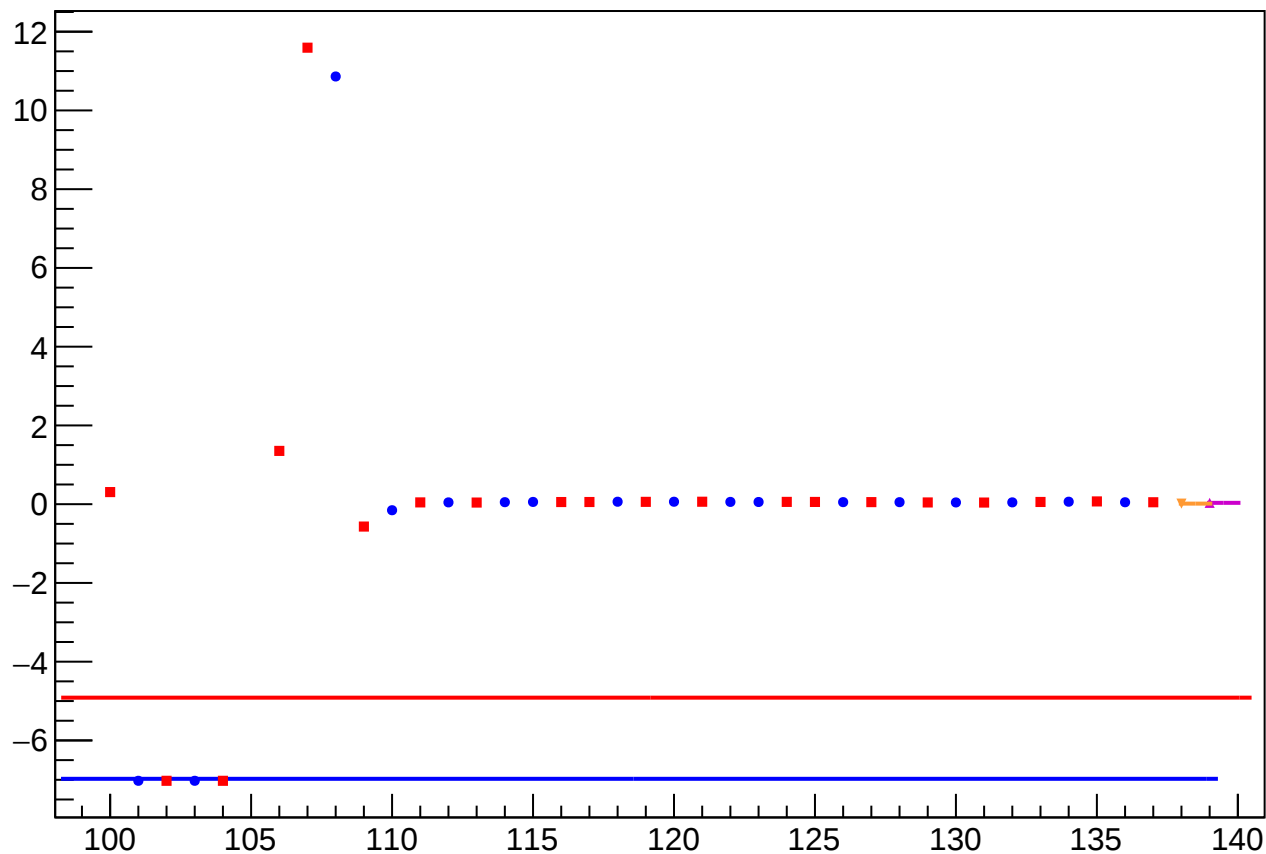
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.002 $\pm$ 0.000 χ^2 /NDF: 2905429.1/17

0.002 $\pm$ 0.000 χ^2 /NDF: 6459915.0/38

0.002 $\pm$ 0.000 χ^2 /NDF: 3554103.2/20

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.014+/-0.000 χ^2/NDF : 0.0/0

Right Out: -4.914+/-0.000 χ^2/NDF : 365366243956054.8/19

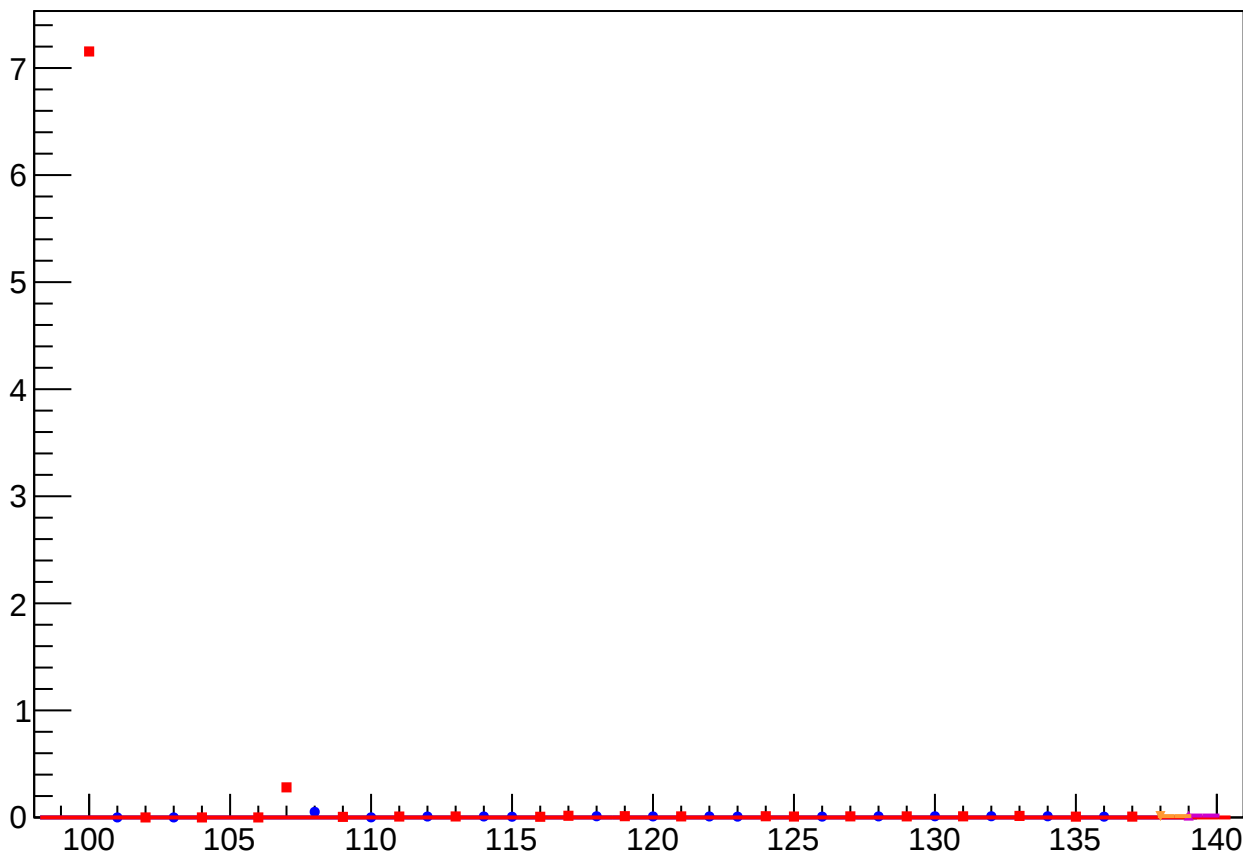
Left In: 0.034+/-0.000 χ^2/NDF : 0.0/0

-6.974+/-0.000 χ^2/NDF : 8972695267862.3/17

-5.899+/-0.000 χ^2/NDF : 4305532666777.0

-4.913+/-0.000 χ^2/NDF : 365418358254569.8/2

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8362763.6/16

Left Out: 0.013+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 8880914.4/19

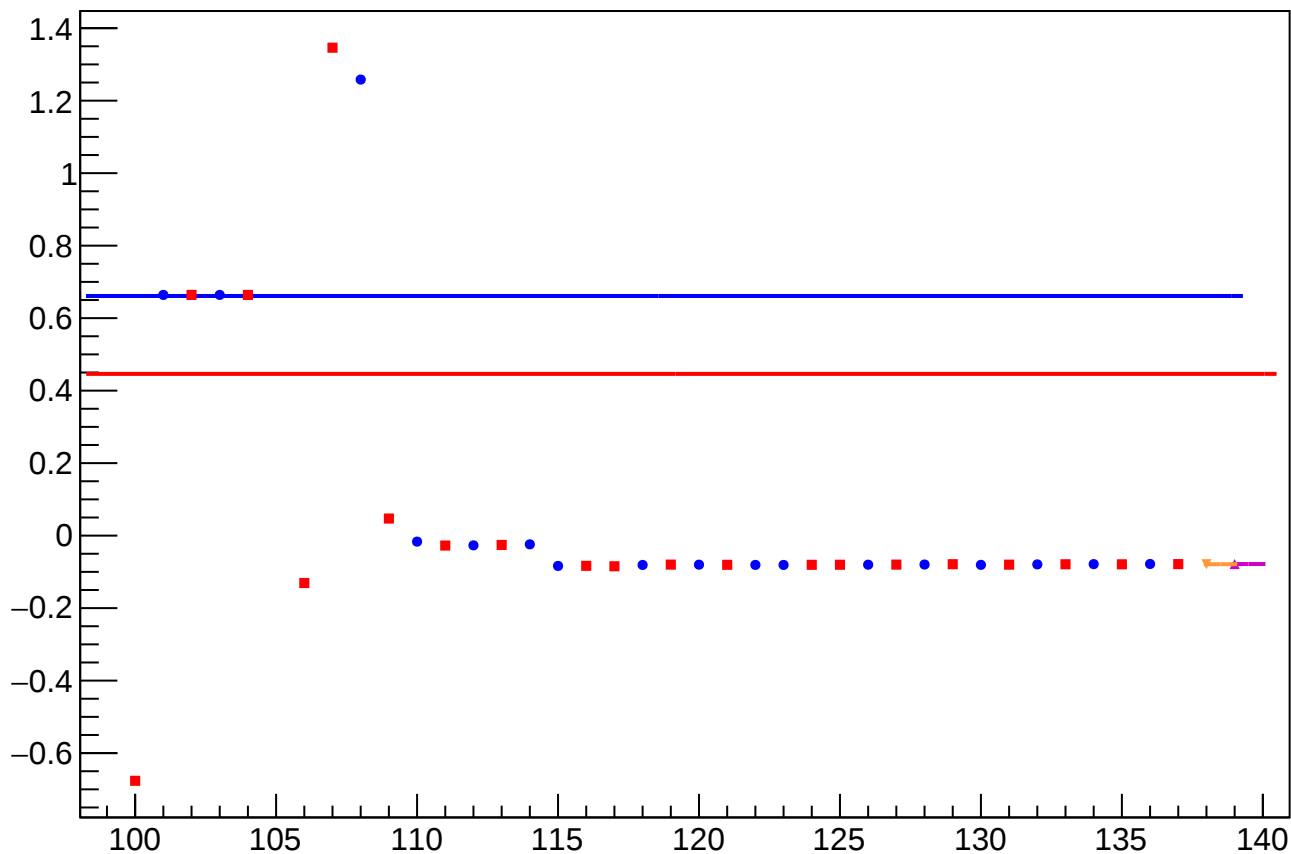
Left In: 0.018+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 9534155.4/17

0.000+/-0.000 χ^2/NDF : 19736472.4/38

0.000+/-0.000 χ^2/NDF : 10201905.7/20

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000 χ^2/NDF : 5678332616622.1/16

Left Out: -0.079+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.446+/-0.000 χ^2/NDF : 405434749783850.4/19

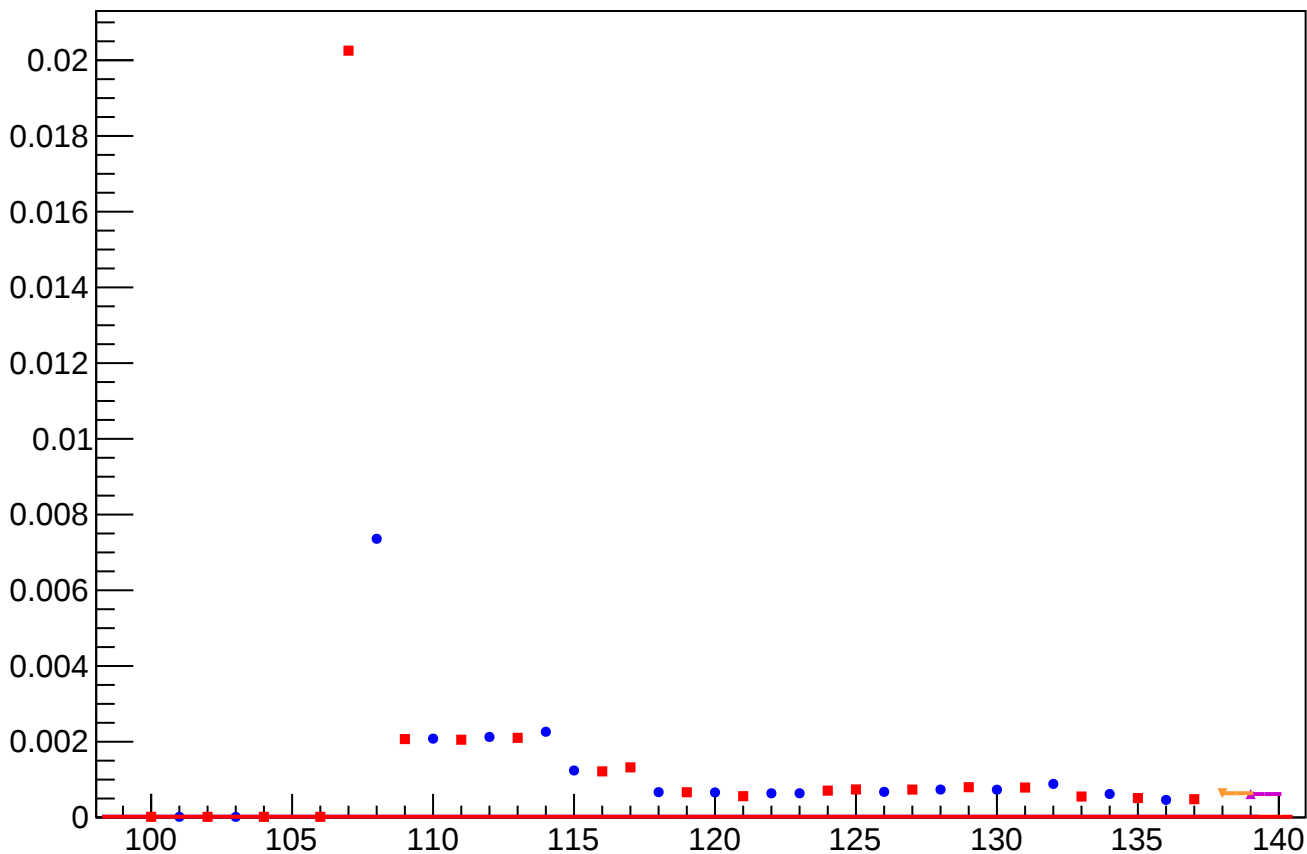
Left In: -0.078+/-0.000 χ^2/NDF : 0.0/0

0.661+/-0.000 χ^2/NDF : 6615099928056.7/17

0.548+/-0.000 χ^2/NDF : 47537393302325

0.446+/-0.000 χ^2/NDF : 405907937890393.5/20

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 : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 9575039.3/19

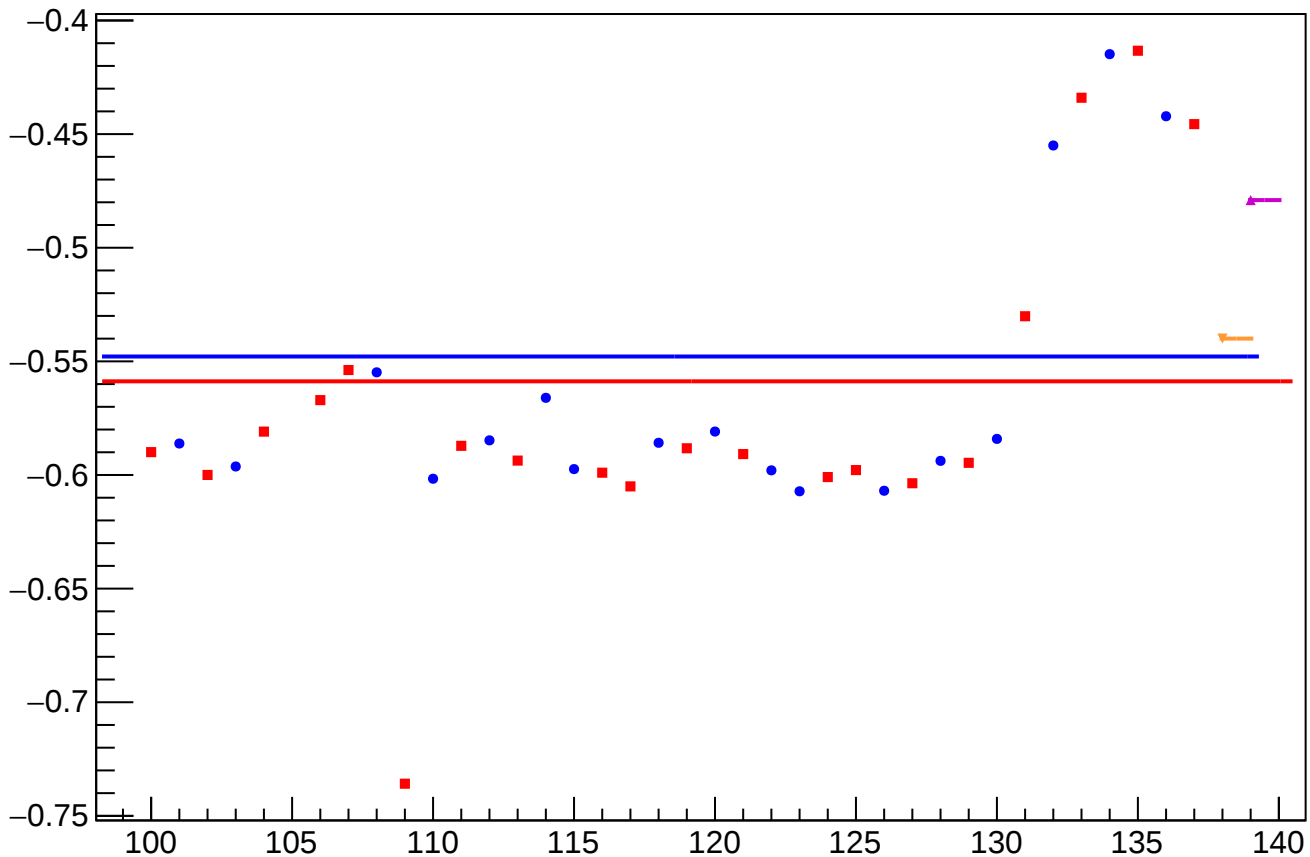
Left In: 0.001+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 11318728.3/17

0.000+/-0.000 χ^2/NDF : 22129894.3/38

0.000+/-0.000 χ^2/NDF : 10811128.9/20

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548+/-0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.540+/-0.000 χ^2/NDF : 0.0/0

Right Out: -0.559+/-0.000 χ^2/NDF : 65741796.4/19

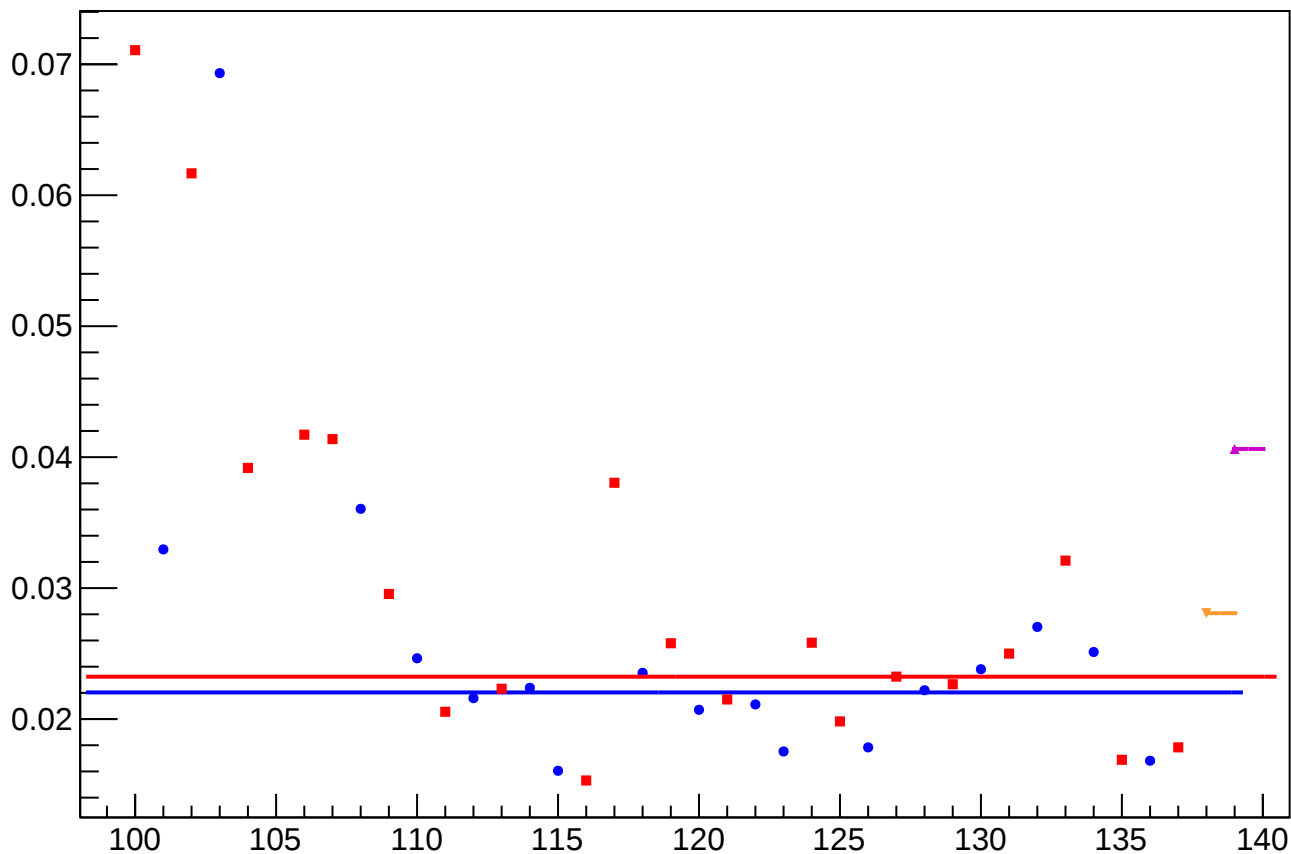
Left In: -0.479+/-0.000 χ^2/NDF : 0.0/0

-0.547+/-0.000 χ^2/NDF : 48623336.5/17

-0.551+/-0.000 χ^2/NDF : 117239544.7/38

-0.556+/-0.000 χ^2/NDF : 68245141.1/20

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022 +/- 0.000 χ^2/NDF : 958966.6/16

Left Out: 0.028 +/- 0.000 χ^2/NDF : 0.0/0

Right Out: 0.023 +/- 0.000 χ^2/NDF : 1169205.3/19

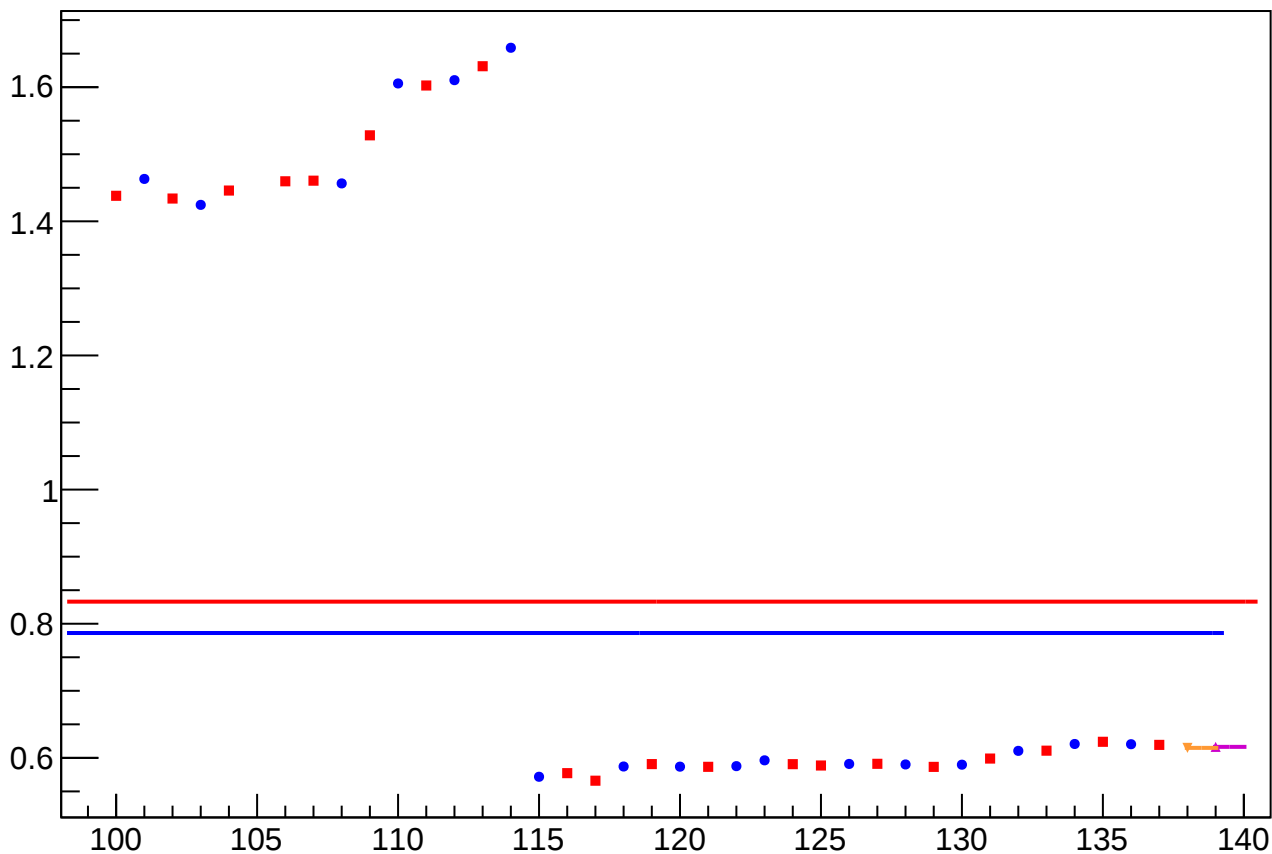
Left In: 0.041 +/- 0.000 χ^2/NDF : 0.0/0

0.022 +/- 0.000 χ^2/NDF : 1010161.2/17

0.023 +/- 0.000 χ^2/NDF : 2441279.0/38

0.024 +/- 0.000 χ^2/NDF : 1407241.7/20

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.786 $\pm$ 0.000 χ^2 /NDF: 3590113316.1/16

Left Out: 0.615 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.833 $\pm$ 0.000 χ^2 /NDF: 4160348649.7/19

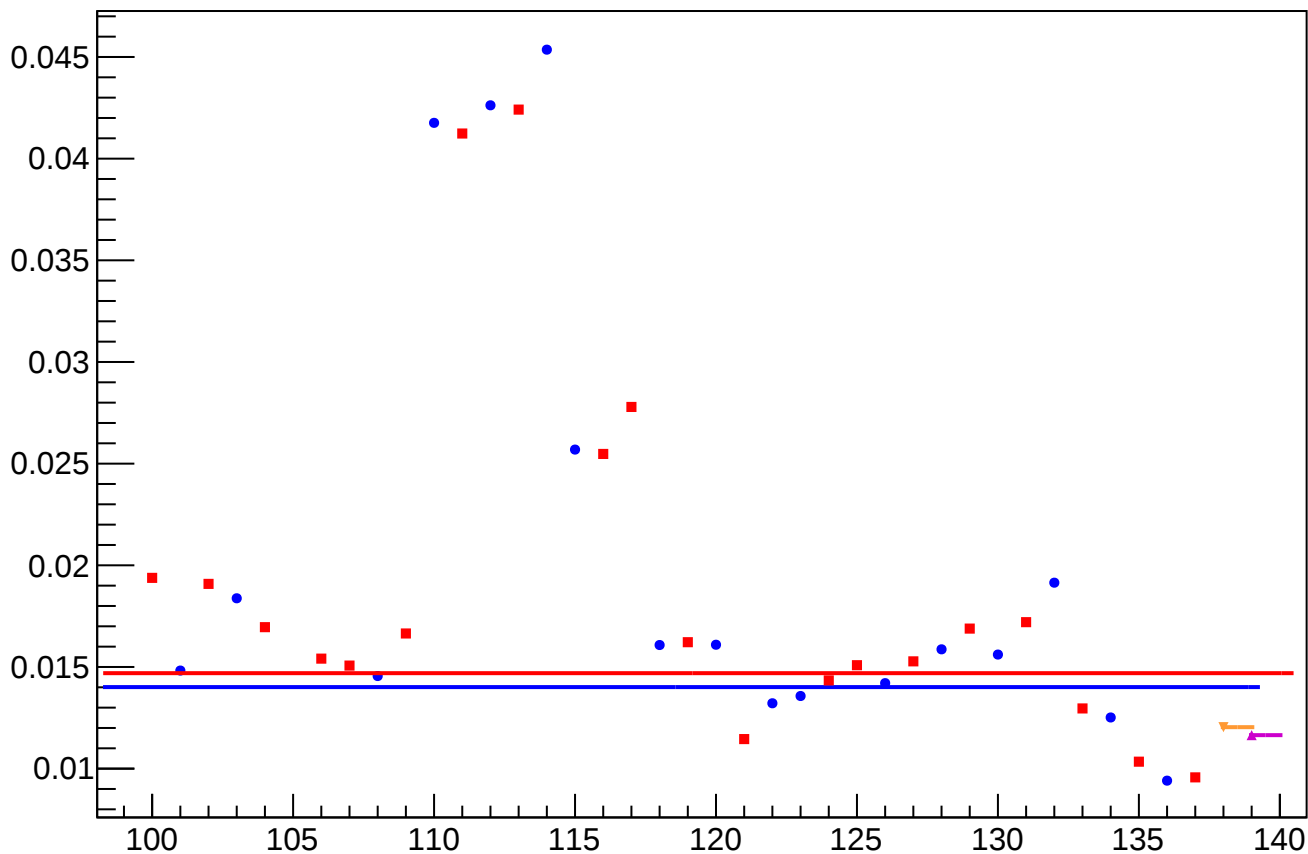
Left In: 0.616 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.762 $\pm$ 0.000 χ^2 /NDF: 3711476789.1/17

0.781 $\pm$ 0.000 χ^2 /NDF: 8093673033.6/38

0.800 $\pm$ 0.000 χ^2 /NDF: 4357141163.2/20

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1404865.3/16

Left Out: 0.012+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.015+/-0.000 χ^2/NDF : 1280473.4/19

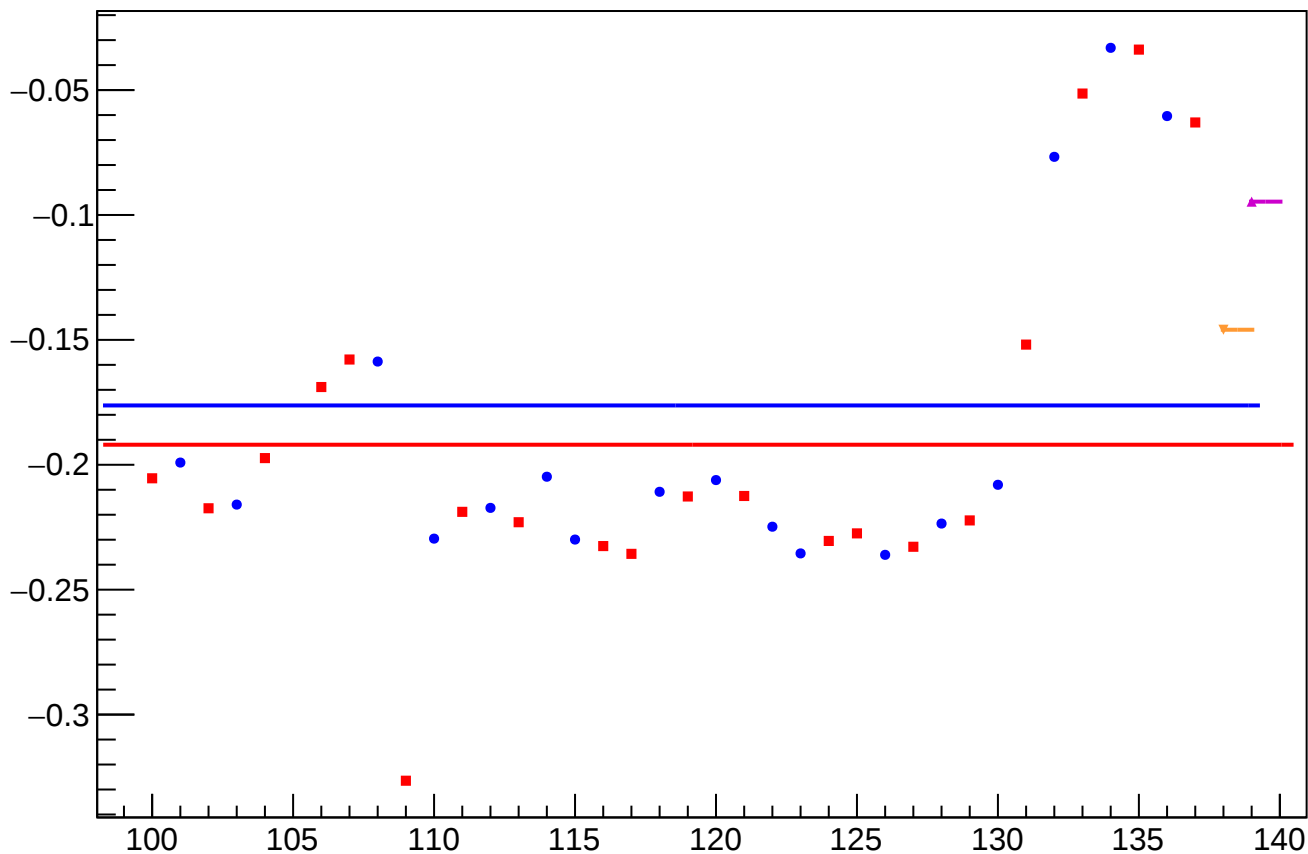
Left In: 0.012+/-0.000 χ^2/NDF : 0.0/0

0.014+/-0.000 χ^2/NDF : 1437011.6/17

0.014+/-0.000 χ^2/NDF : 2804150.1/38

0.014+/-0.000 χ^2/NDF : 1358484.7/20

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.146+/-0.000 χ^2/NDF : 0.0/0

Right Out: -0.192+/-0.000 χ^2/NDF : 83899255.4/19

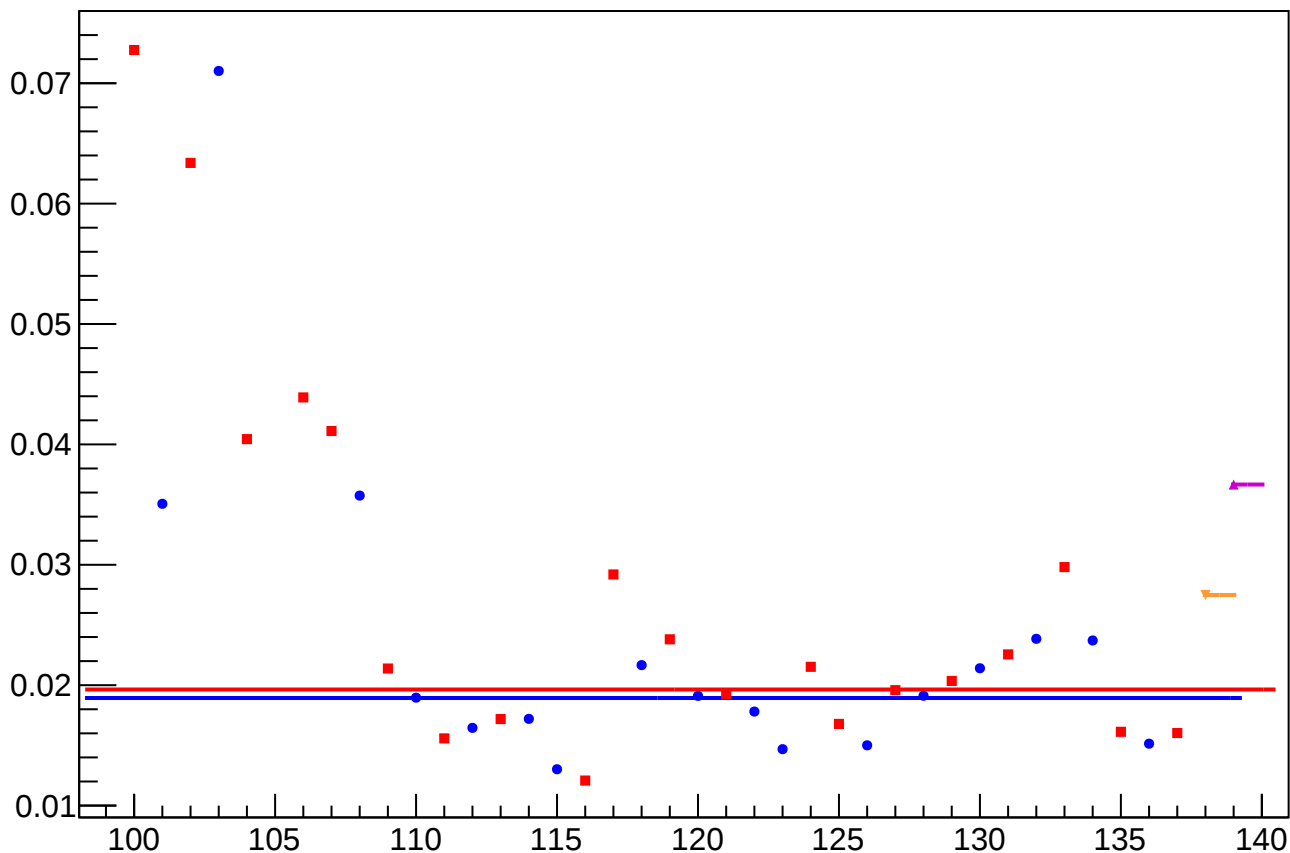
Left In: -0.095+/-0.000 χ^2/NDF : 0.0/0

-0.175+/-0.000 χ^2/NDF : 70844818.8/17

-0.181+/-0.000 χ^2/NDF : 160725306.3/38

-0.188+/-0.000 χ^2/NDF : 88484300.5/20

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.027+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.020+/-0.000 χ^2/NDF : 1466285.9/19

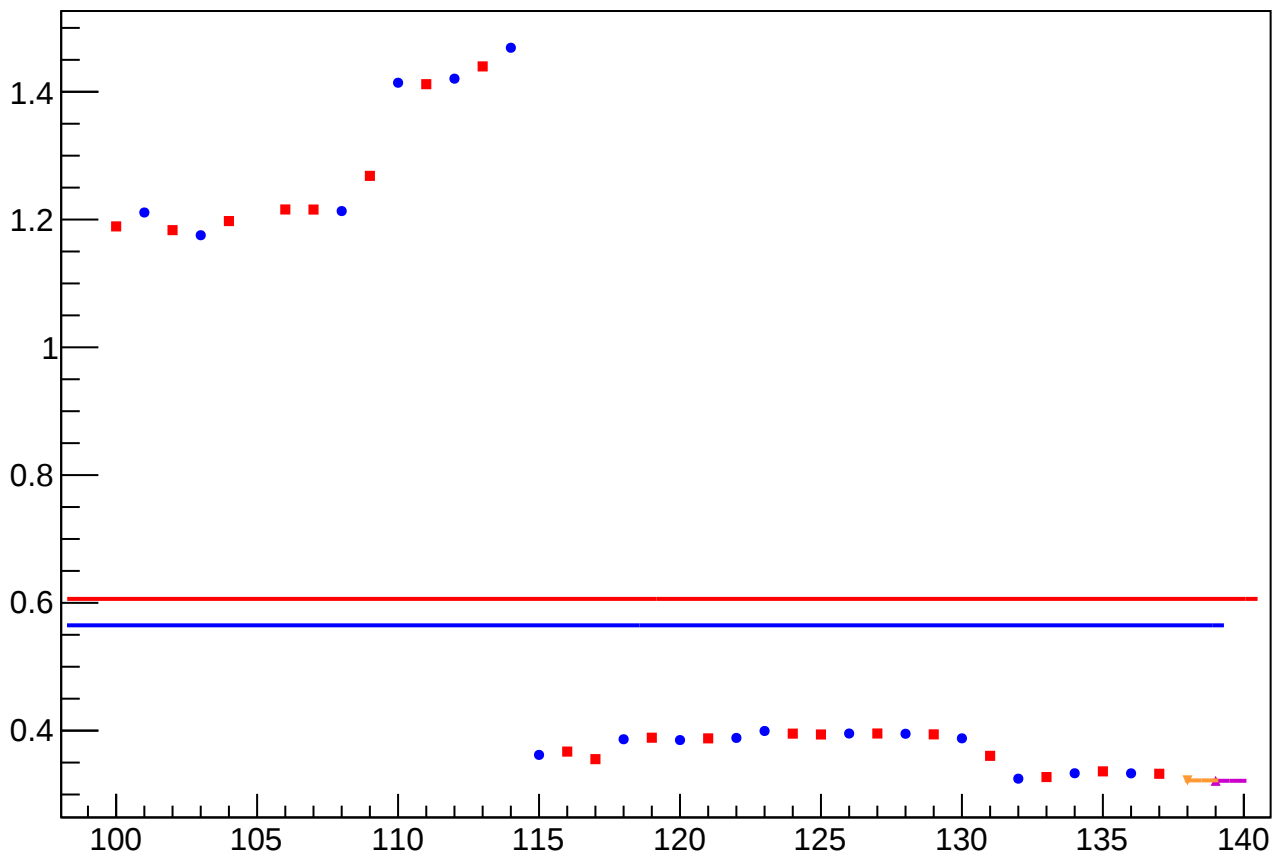
Left In: 0.037+/-0.000 χ^2/NDF : 0.0/0

0.019+/-0.000 χ^2/NDF : 1318683.3/17

0.020+/-0.000 χ^2/NDF : 3075869.6/38

0.020+/-0.000 χ^2/NDF : 1746932.8/20

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.565 $\pm$ 0.000 χ^2 /NDF: 5030969499.3/16

Left Out: 0.322 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.606 $\pm$ 0.000 χ^2 /NDF: 5517630064.2/19

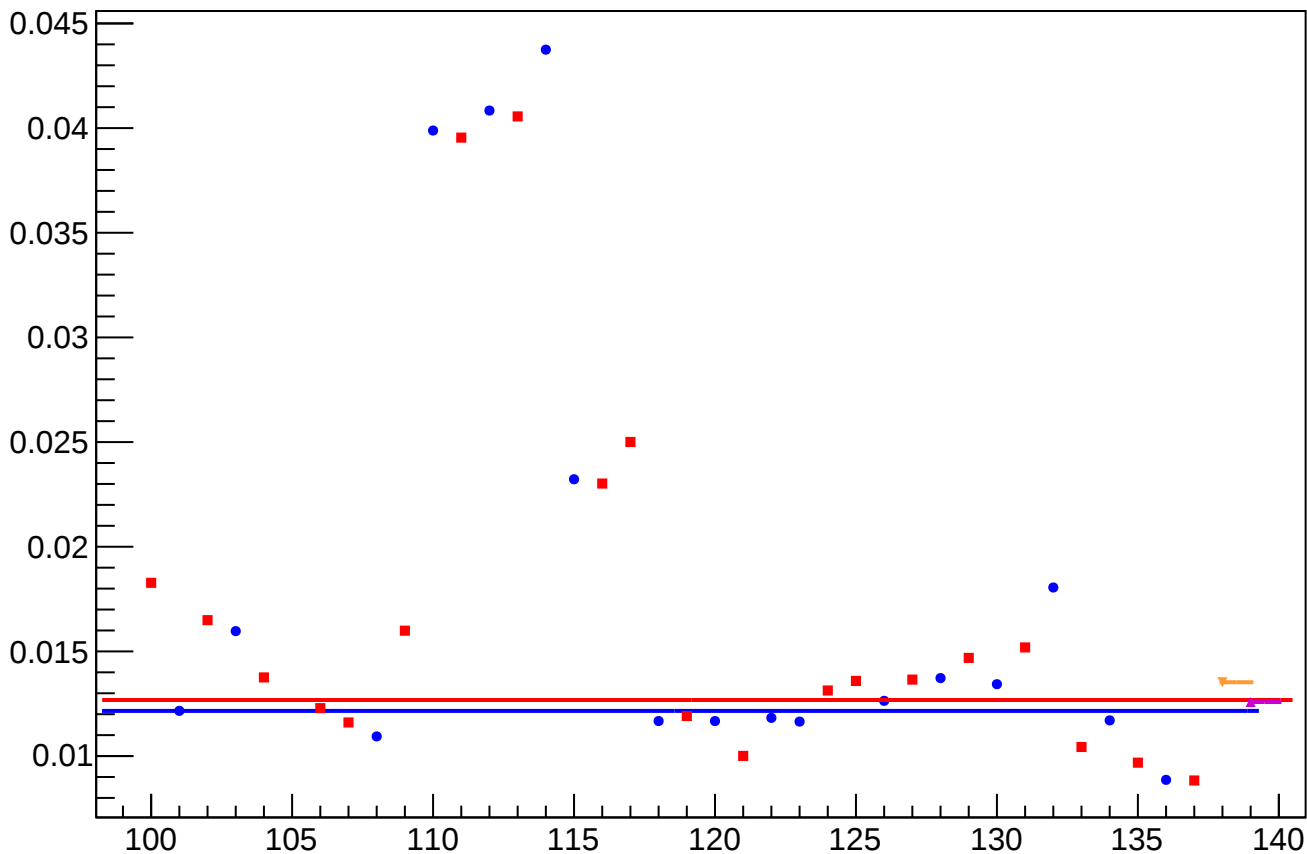
Left In: 0.321 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.543 $\pm$ 0.000 χ^2 /NDF: 5237342380.2/17

0.560 $\pm$ 0.000 χ^2 /NDF: 11084189402.1/3

0.577 $\pm$ 0.000 χ^2 /NDF: 5822035159.2/20

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1309888.8/16

Left Out: 0.014+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.013+/-0.000 χ^2/NDF : 1289415.7/19

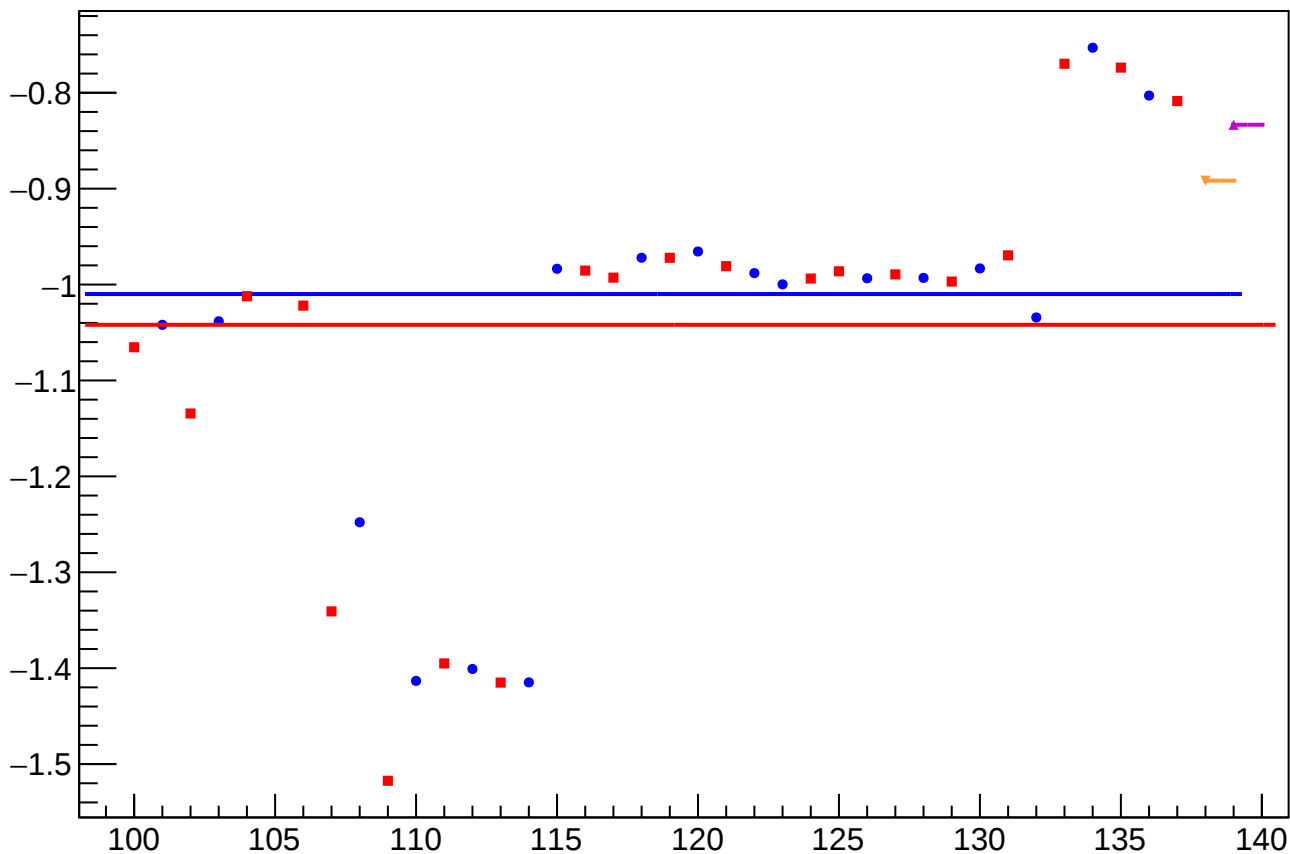
Left In: 0.013+/-0.000 χ^2/NDF : 0.0/0

0.012+/-0.000 χ^2/NDF : 1323032.6/17

0.012+/-0.000 χ^2/NDF : 2618727.9/38

0.013+/-0.000 χ^2/NDF : 1289484.4/20

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.010+/-0.000 χ^2 /NDF: 387650332.0/16

Left Out: -0.892+/-0.000 χ^2 /NDF: 0.0/0

Right Out: -1.042+/-0.000 χ^2 /NDF: 530175104.2/19

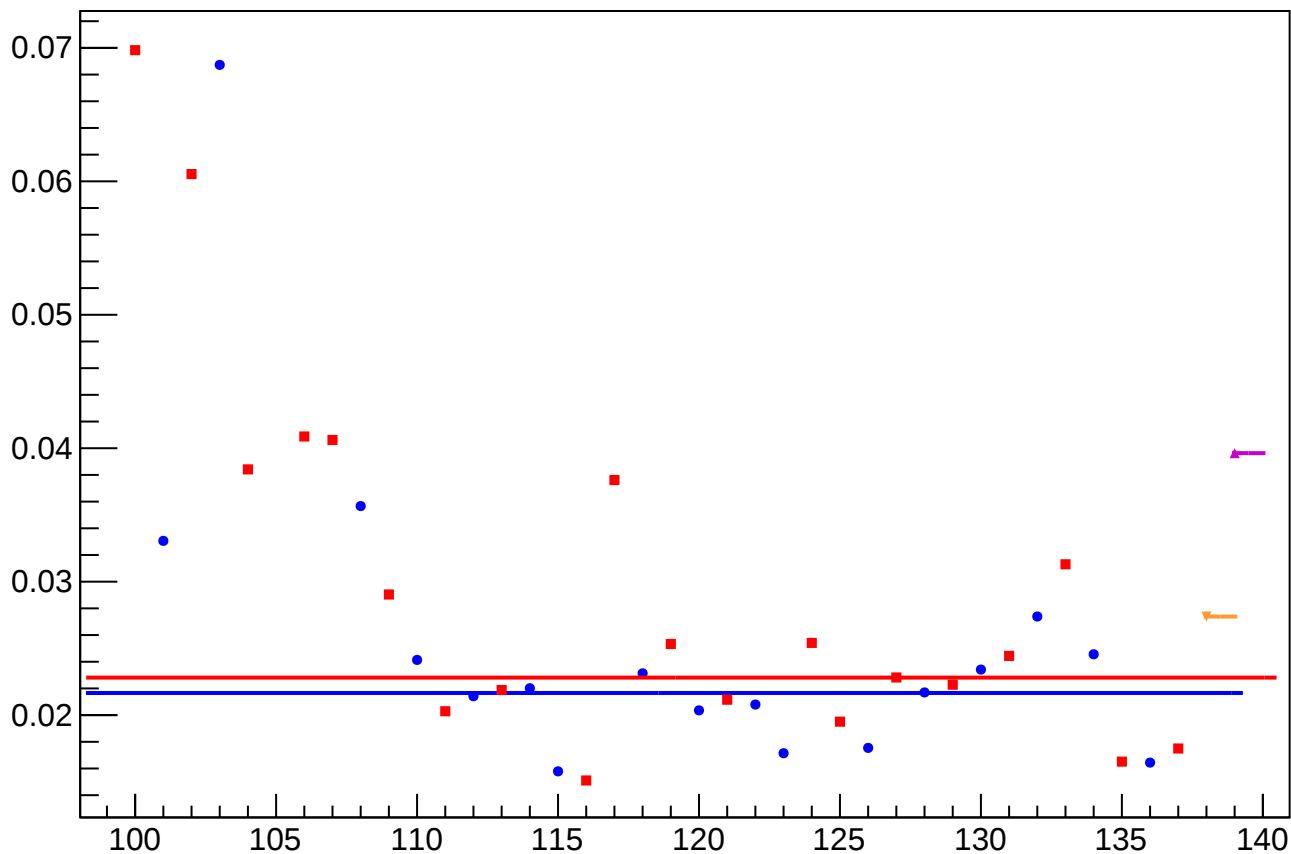
Left In: -0.833+/-0.000 χ^2 /NDF: 0.0/0

-1.002+/-0.000 χ^2 /NDF: 397903534.1/17

-1.017+/-0.000 χ^2 /NDF: 951652791.0/38

-1.034+/-0.000 χ^2 /NDF: 548150886.0/20

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 983499.8/16

Left Out: 0.027+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.023+/-0.000 χ^2/NDF : 1165116.5/19

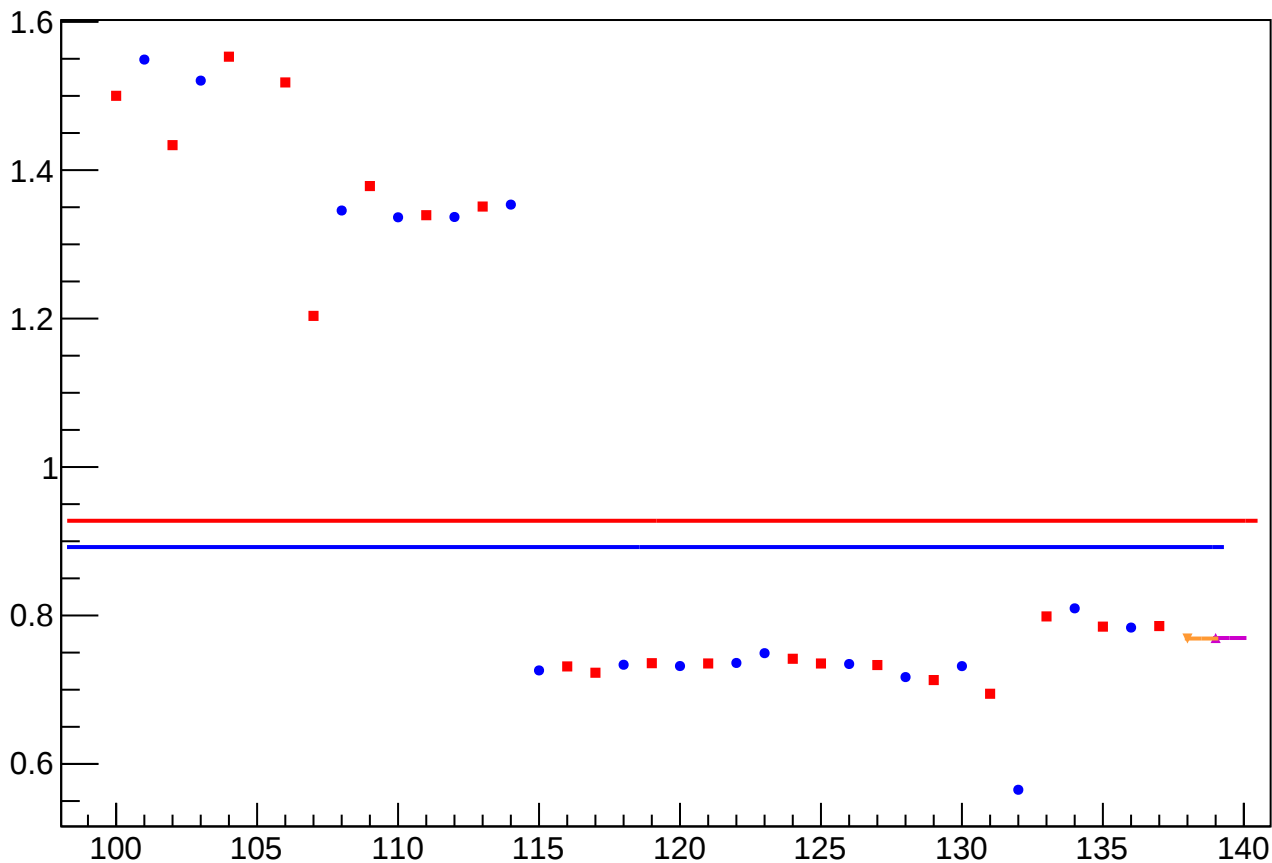
Left In: 0.040+/-0.000 χ^2/NDF : 0.0/0

0.022+/-0.000 χ^2/NDF : 1031646.2/17

0.023+/-0.000 χ^2/NDF : 2453828.1/38

0.023+/-0.000 χ^2/NDF : 1398968.5/20

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.892+/-0.000 χ^2/NDF : 2413732173.6/16

Left Out: 0.769+/-0.000 χ^2/NDF :0.0/0

Right Out: 0.928+/-0.000 χ^2/NDF : 2439574936.7/19

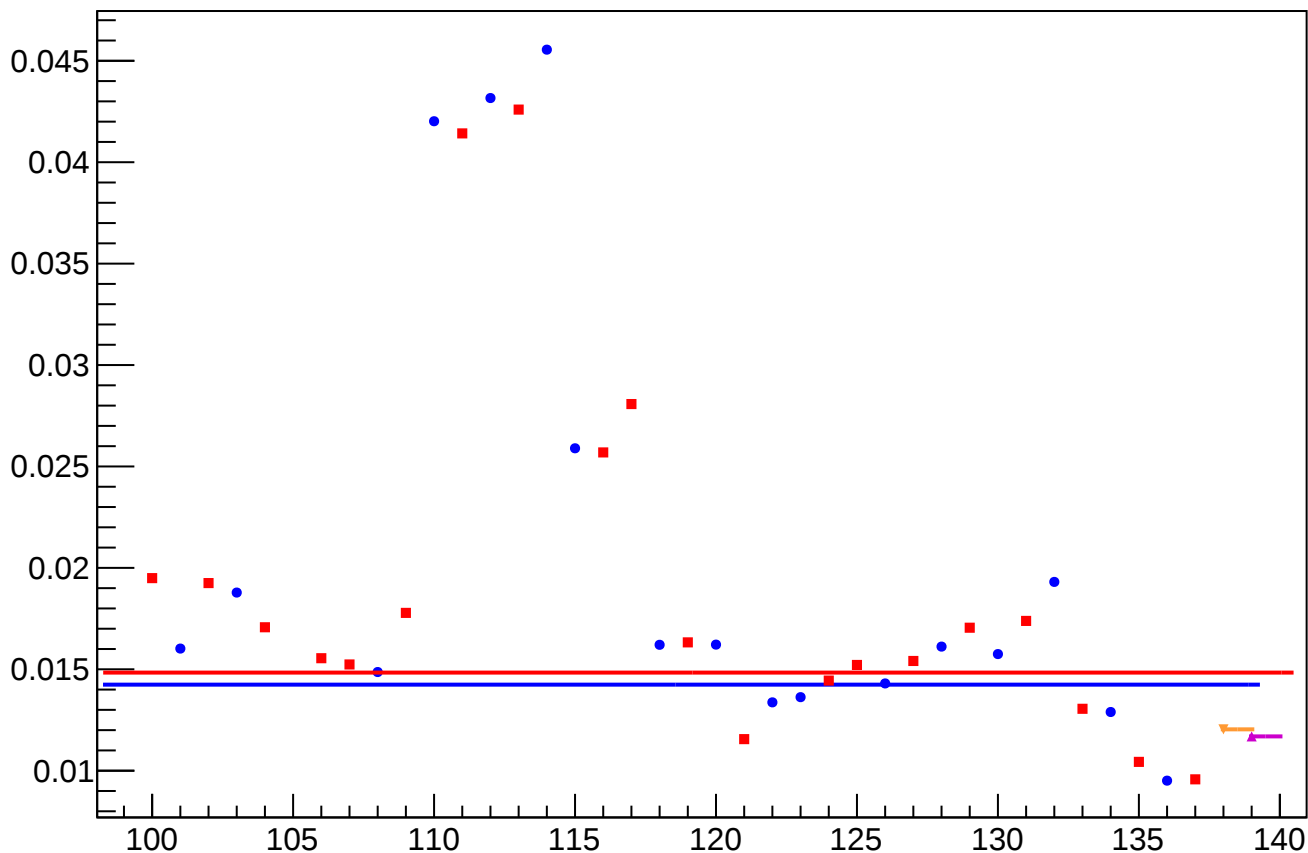
Left In: 0.770+/-0.000 χ^2/NDF :0.0/0

0.874+/-0.000 χ^2/NDF : 2476204235.1/17

0.889+/-0.000 χ^2/NDF : 5033683297.3/38

0.904+/-0.000 χ^2/NDF : 2543235503.4/20

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1415681.3/16

Left Out: 0.012+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.015+/-0.000 χ^2/NDF : 1291174.0/19

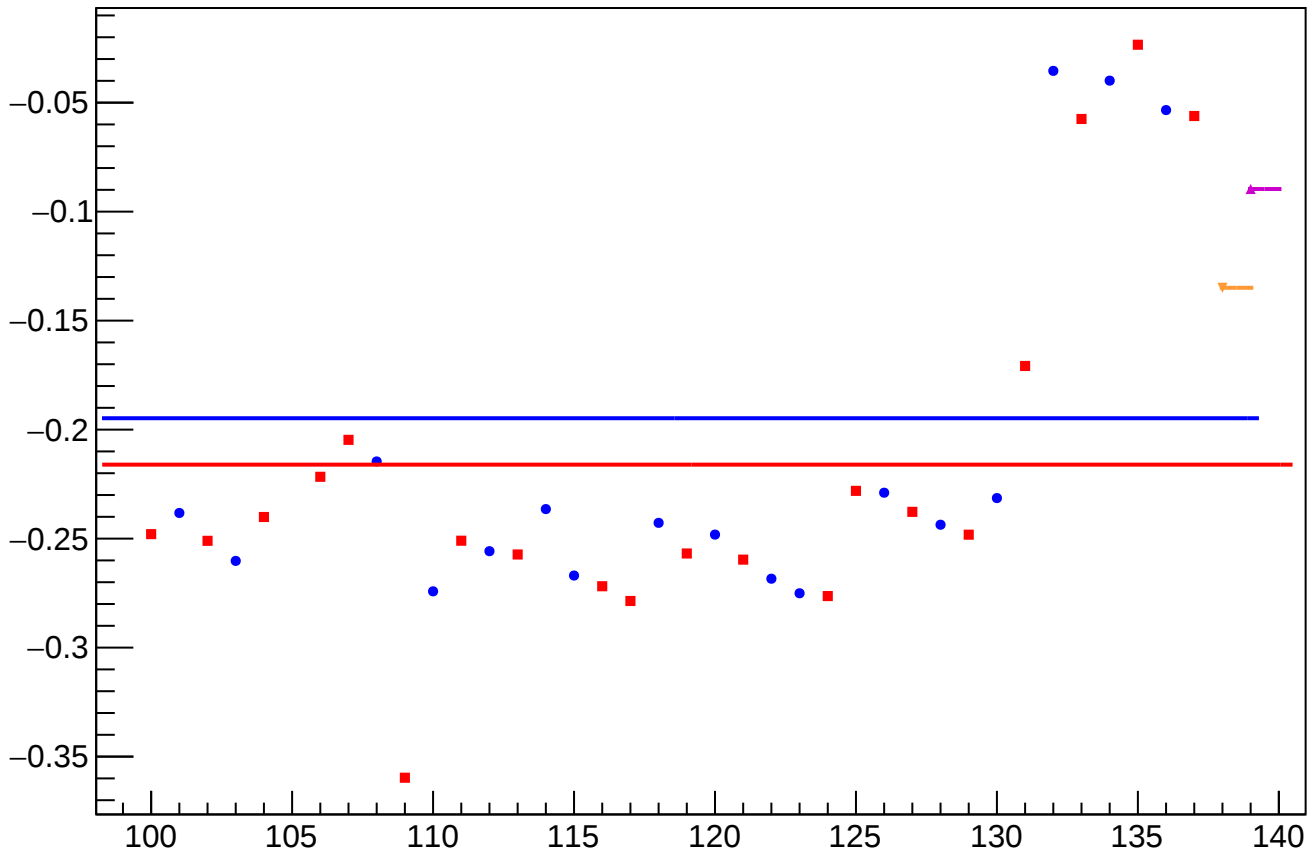
Left In: 0.012+/-0.000 χ^2/NDF : 0.0/0

0.014+/-0.000 χ^2/NDF : 1455646.5/17

0.014+/-0.000 χ^2/NDF : 2835416.0/38

0.014+/-0.000 χ^2/NDF : 1373427.9/20

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.135+/-0.000 χ^2/NDF : 0.0/0

Right Out: -0.216+/-0.000 χ^2/NDF : 112167032.2/19

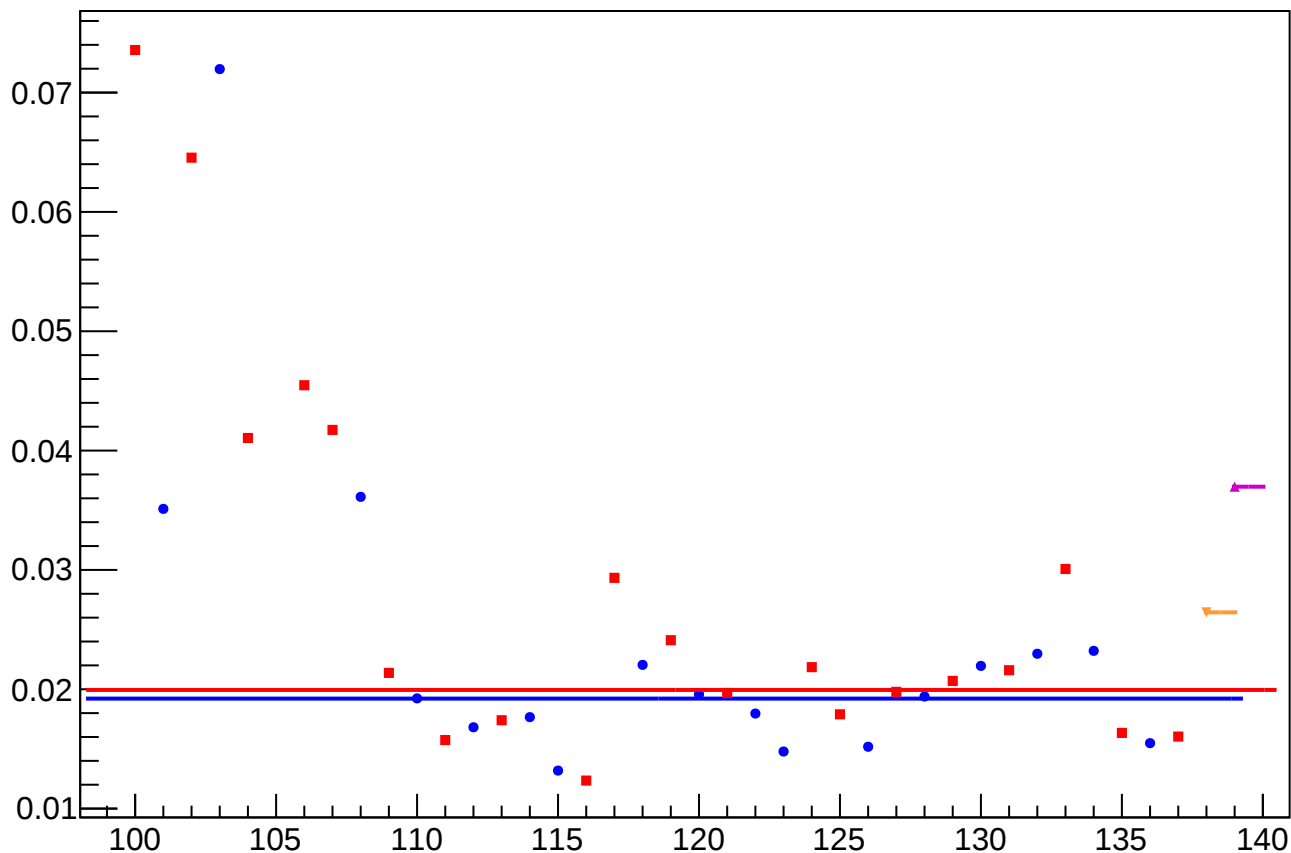
Left In: -0.090+/-0.000 χ^2/NDF : 0.0/0

-0.191+/-0.000 χ^2/NDF : 111559655.5/17

-0.201+/-0.000 χ^2/NDF : 234209375.0/38

-0.211+/-0.000 χ^2/NDF : 119764157.9/20

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1177085.4/16

Left Out: 0.026+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.020+/-0.000 χ^2/NDF : 1455211.7/19

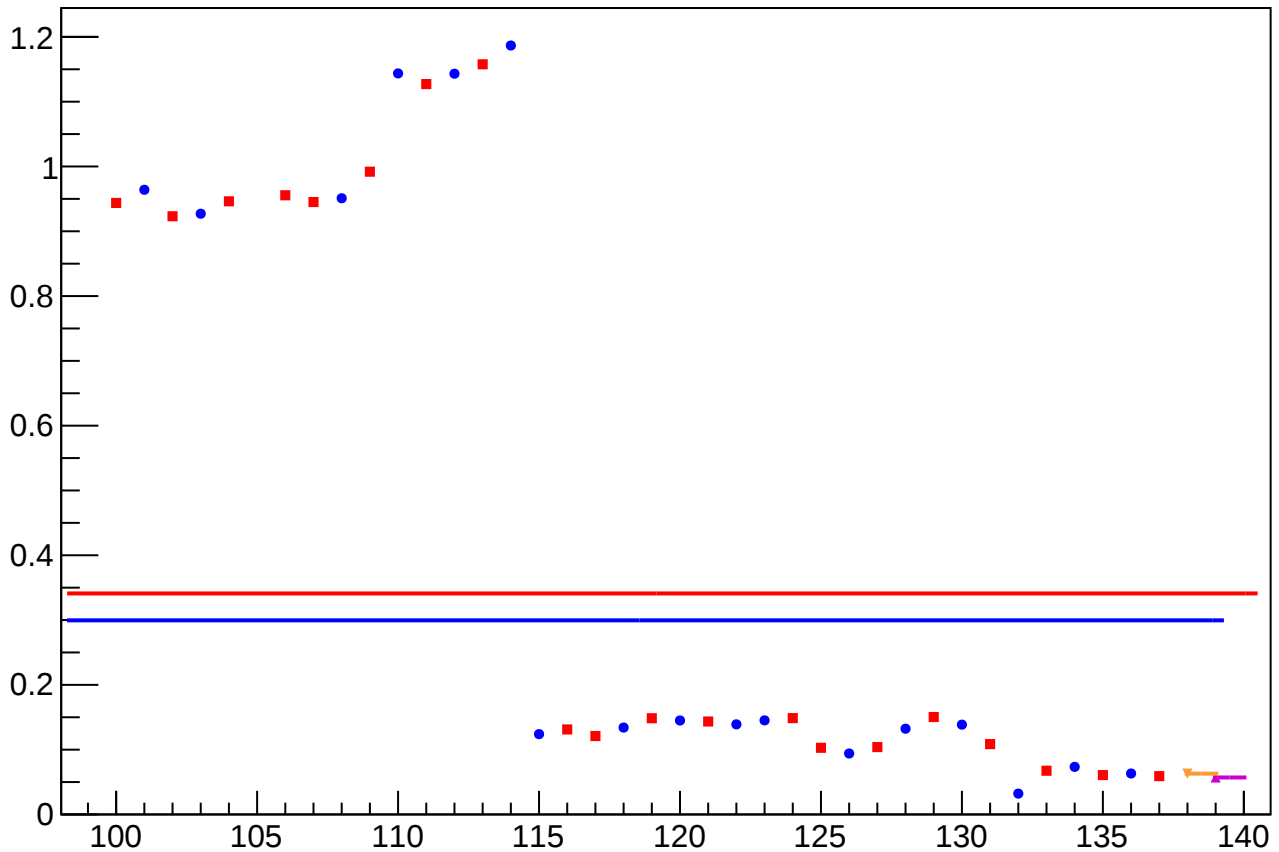
Left In: 0.037+/-0.000 χ^2/NDF : 0.0/0

0.020+/-0.000 χ^2/NDF : 1261793.1/17

0.020+/-0.000 χ^2/NDF : 3004314.2/38

0.021+/-0.000 χ^2/NDF : 1730874.2/20

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.300+/-0.000 χ^2/NDF : 5165052137.6/16

Left Out: 0.063+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.341+/-0.000 χ^2/NDF : 5453748737.7/19

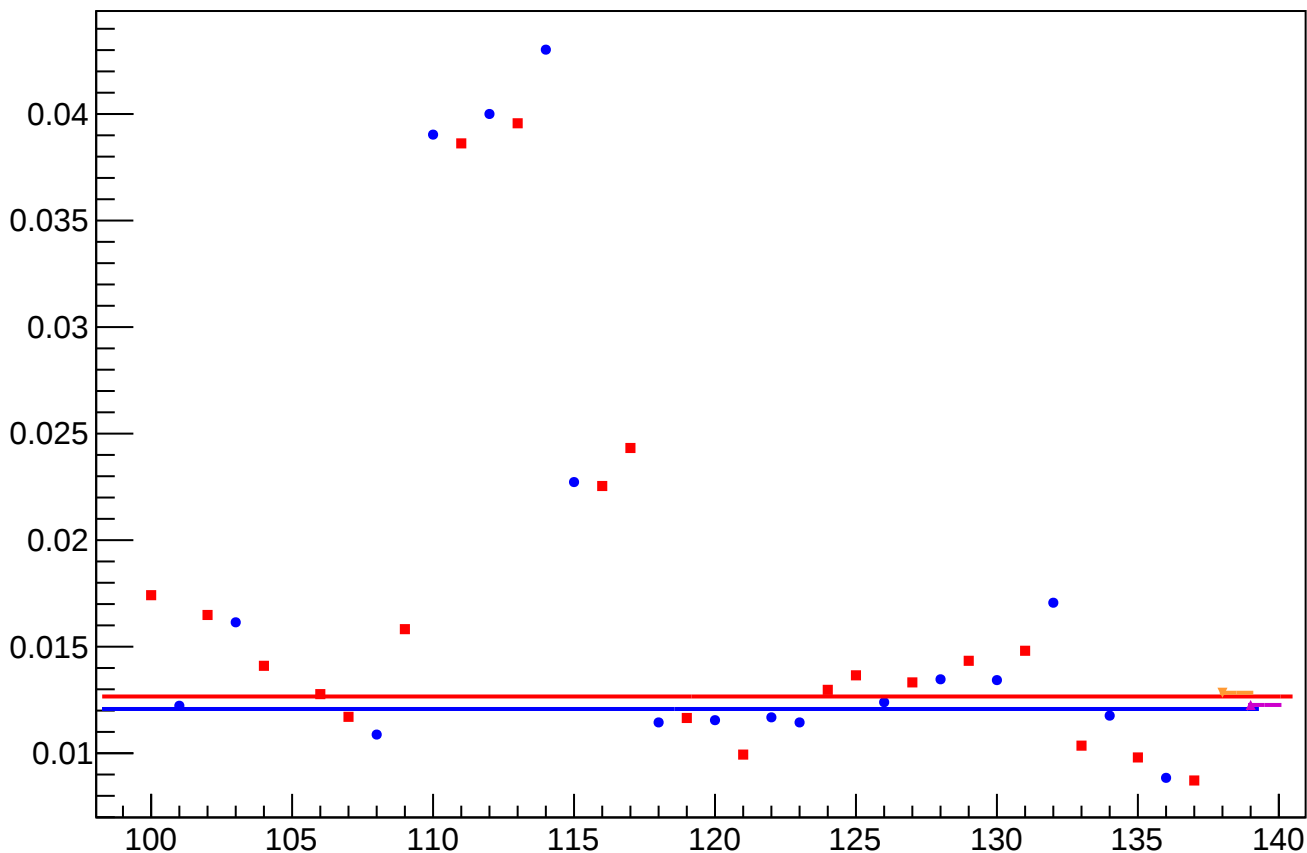
Left In: 0.057+/-0.000 χ^2/NDF : 0.0/0

0.276+/-0.000 χ^2/NDF : 5380790167.9/17

0.293+/-0.000 χ^2/NDF : 11176780874.5/3

0.311+/-0.000 χ^2/NDF : 5770409941.9/20

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1282097.7/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1255391.1/19

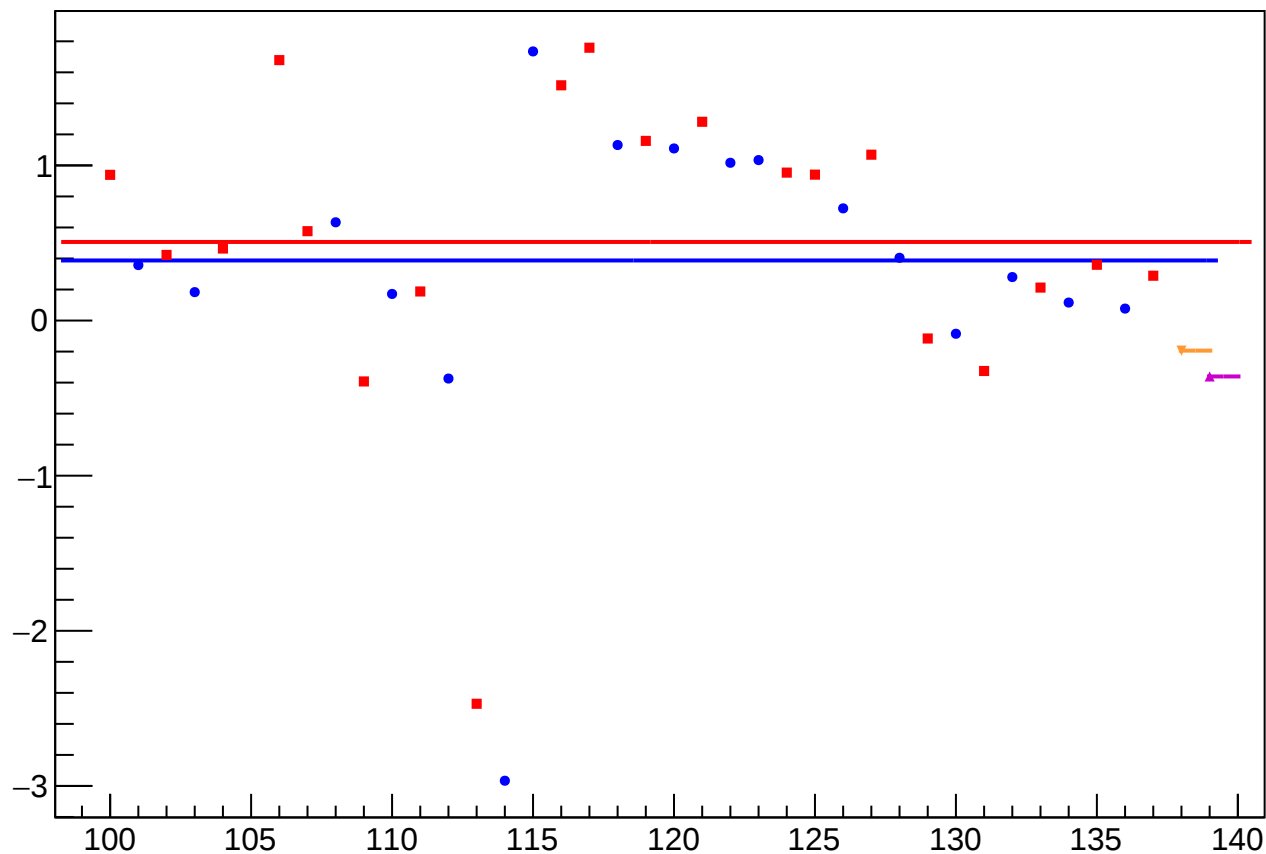
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.012 $\pm$ 0.000 χ^2 /NDF: 1286578.9/17

0.012 $\pm$ 0.000 χ^2 /NDF: 2552488.1/38

0.013 $\pm$ 0.000 χ^2 /NDF: 1256629.9/20

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.387 $\pm$ 0.000 χ^2 /NDF: 247912593.5/16

Left Out: -0.194 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.507 $\pm$ 0.000 χ^2 /NDF: 995347030.4/19

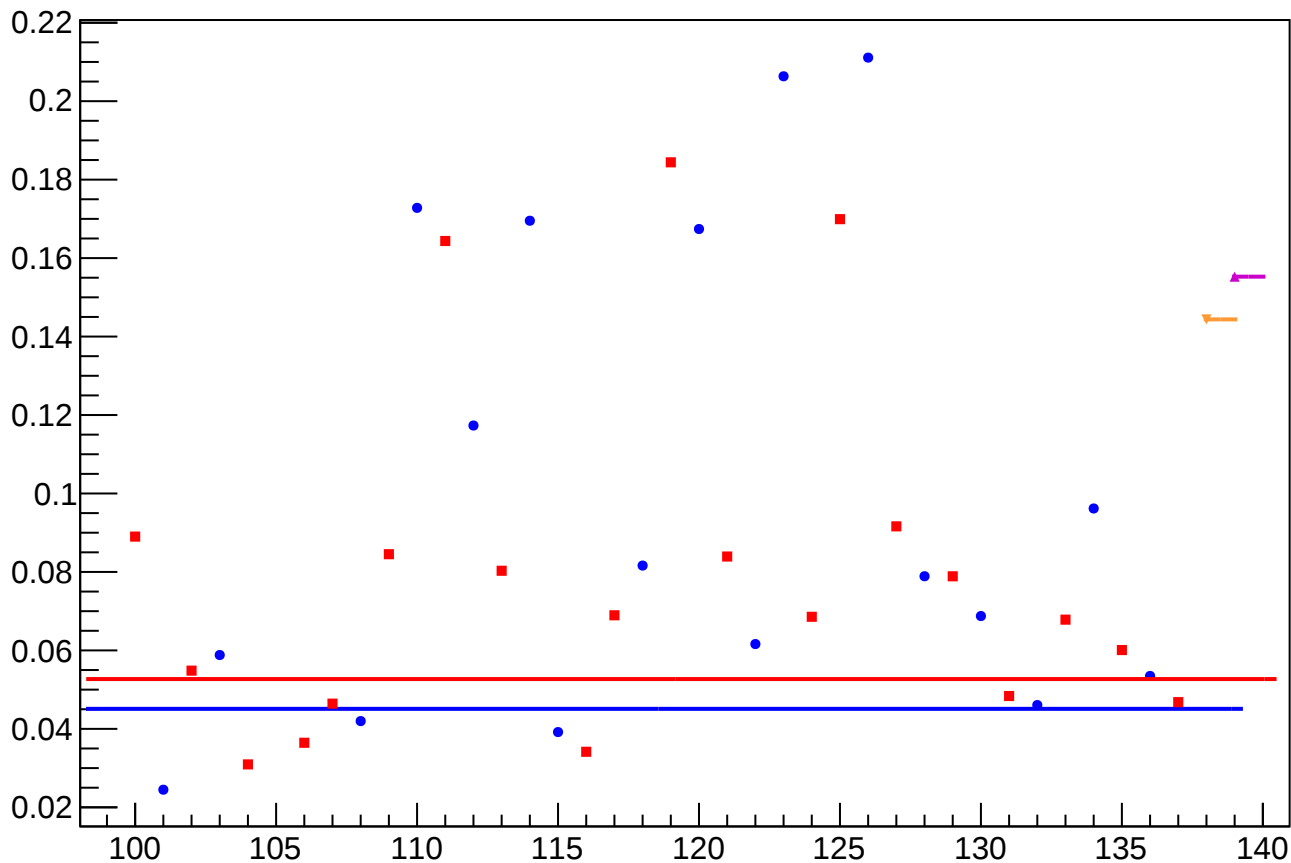
Left In: -0.360 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.377 $\pm$ 0.000 χ^2 /NDF: 258154438.2/17

0.431 $\pm$ 0.000 χ^2 /NDF: 1282571527.7/38

0.493 $\pm$ 0.000 χ^2 /NDF: 1013469116.4/20

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF : 2846218.9/16

Left Out: 0.144+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.053+/-0.000 χ^2/NDF : 2194555.4/19

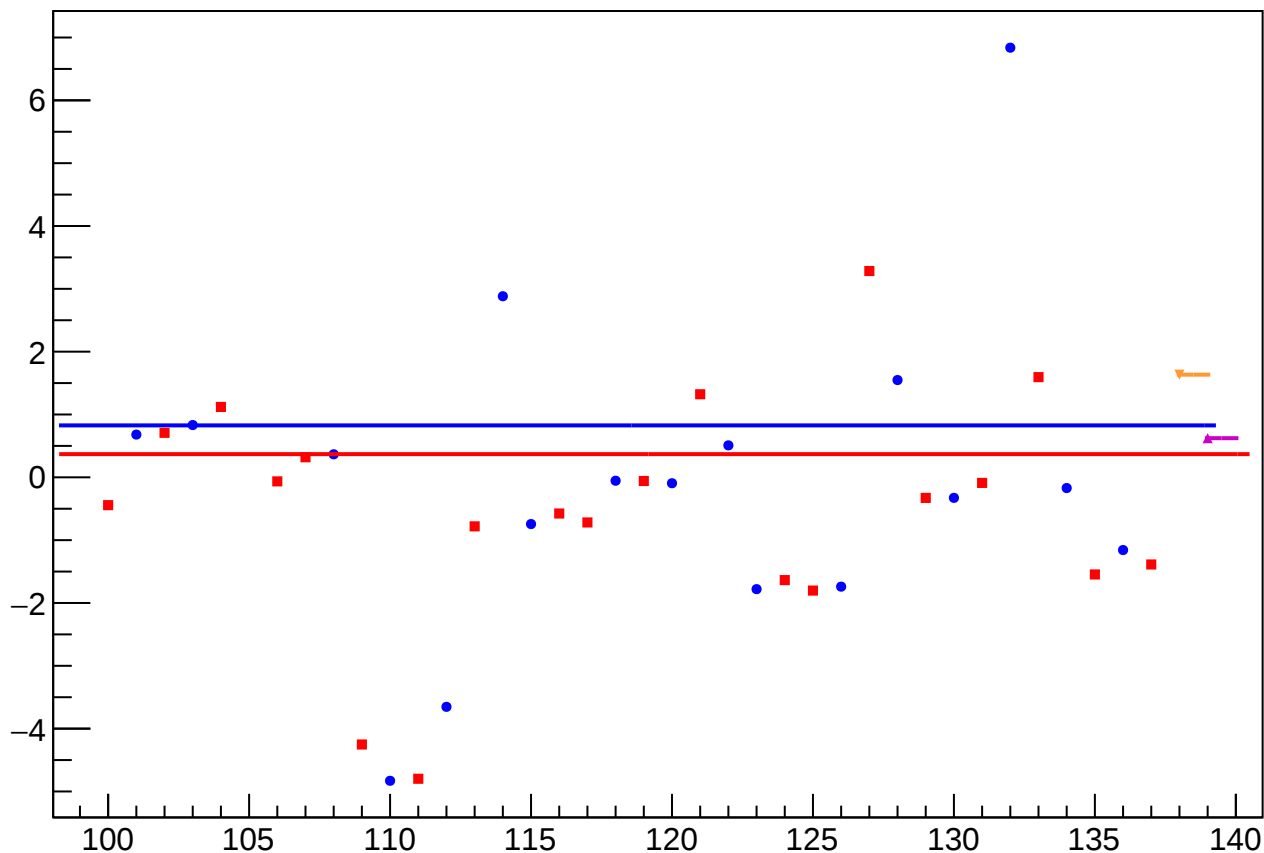
Left In: 0.155+/-0.000 χ^2/NDF : 0.0/0

0.047+/-0.000 χ^2/NDF : 3443869.0/17

0.050+/-0.000 χ^2/NDF : 6238563.6/38

0.054+/-0.000 χ^2/NDF : 2701817.6/20

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.827 $\pm$ 0.000 χ^2/NDF : 10936458870.4/16

Left Out: 1.634 $\pm$ 0.000 χ^2/NDF : 0.0/0

Right Out: 0.369 $\pm$ 0.000 χ^2/NDF : 4985860510.0/19

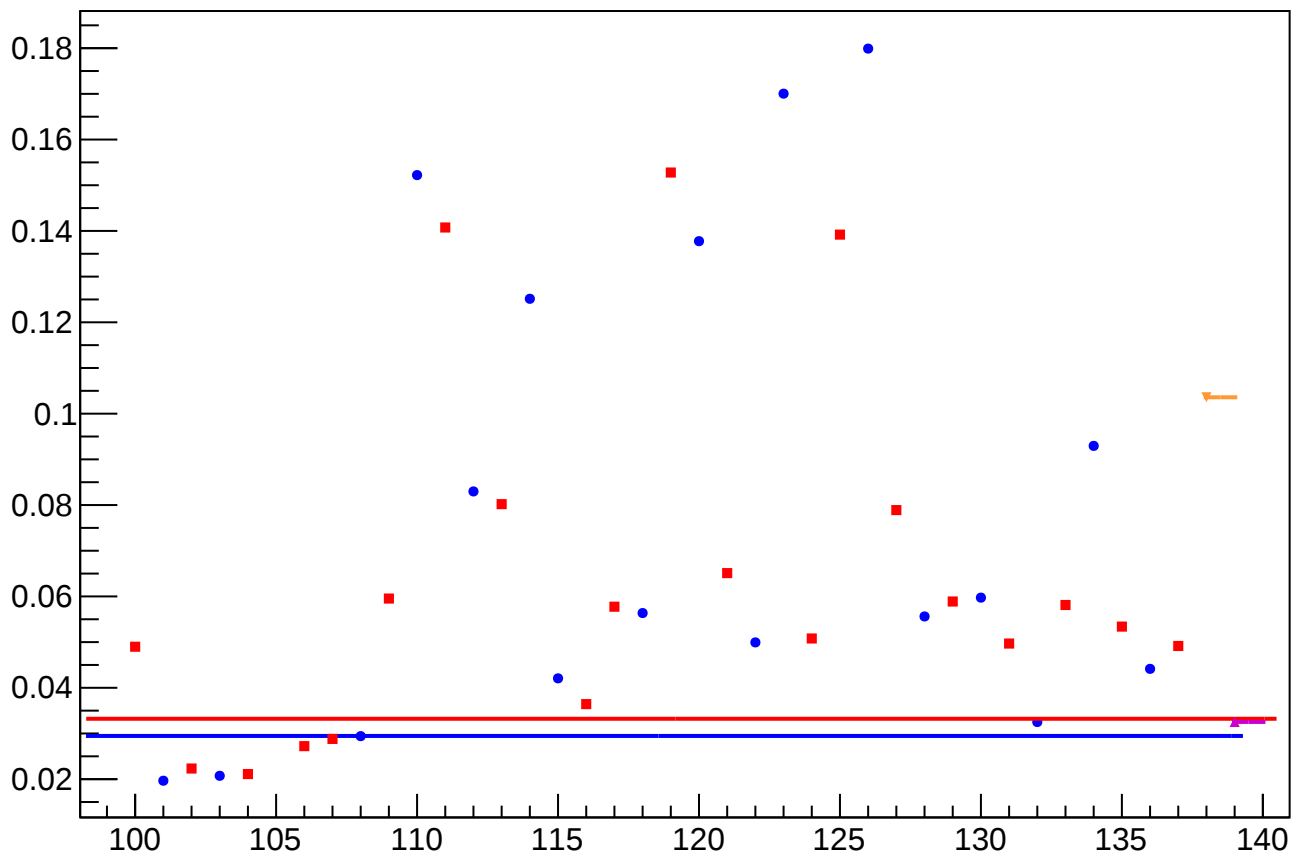
Left In: 0.623 $\pm$ 0.000 χ^2/NDF : 0.0/0

0.838 $\pm$ 0.000 χ^2/NDF : 10973167759.1/17

0.619 $\pm$ 0.000 χ^2/NDF : 16370205323.8/3

0.381 $\pm$ 0.000 χ^2/NDF : 4996961263.1/20

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029 $\pm$ 0.000 χ^2 /NDF: 3053519.6/16

Left Out: 0.104 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 3110014.7/19

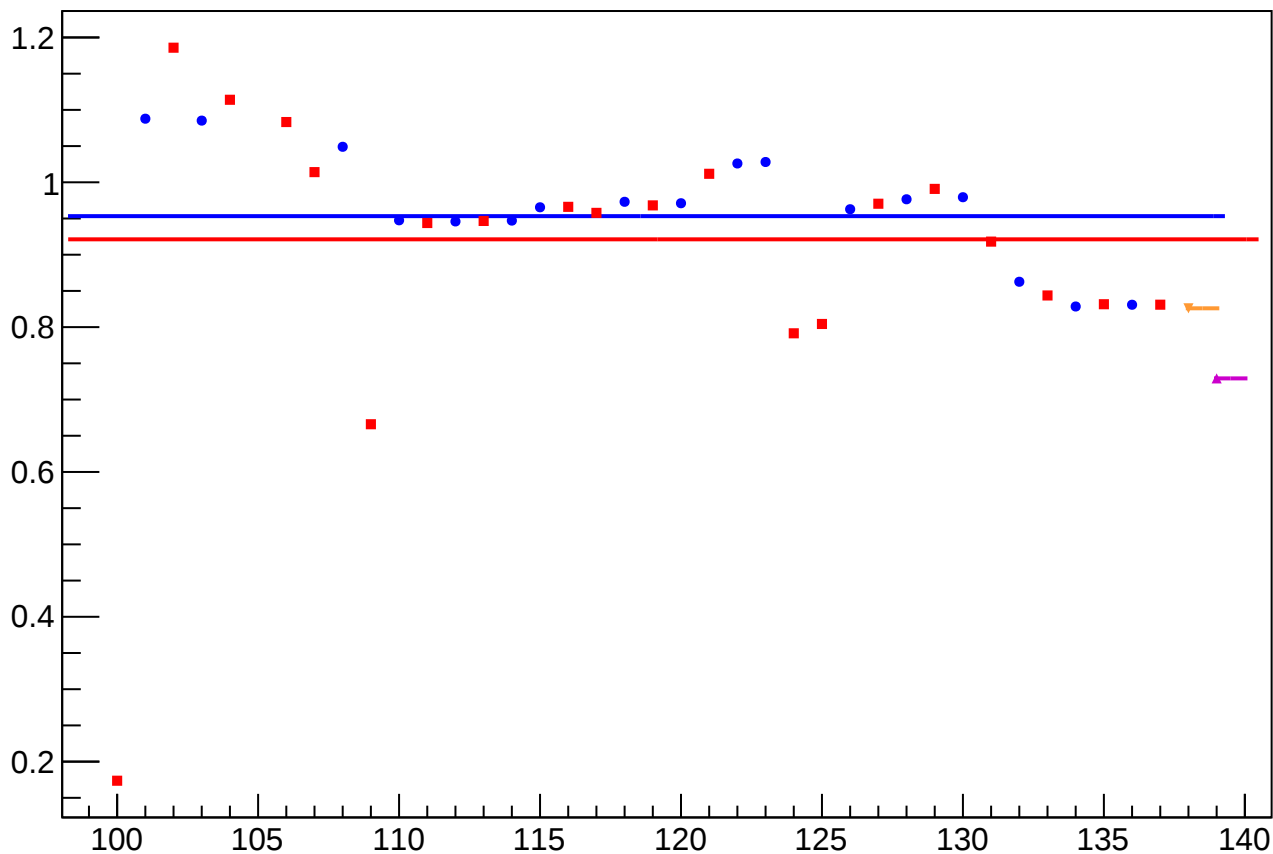
Left In: 0.033 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.031 $\pm$ 0.000 χ^2 /NDF: 3672481.3/17

0.032 $\pm$ 0.000 χ^2 /NDF: 6809988.4/38

0.033 $\pm$ 0.000 χ^2 /NDF: 3110180.4/20

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953+/-0.000 χ^2/NDF : 175396553.4/16

Left Out: 0.826+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.921+/-0.000 χ^2/NDF : 374376205.4/19

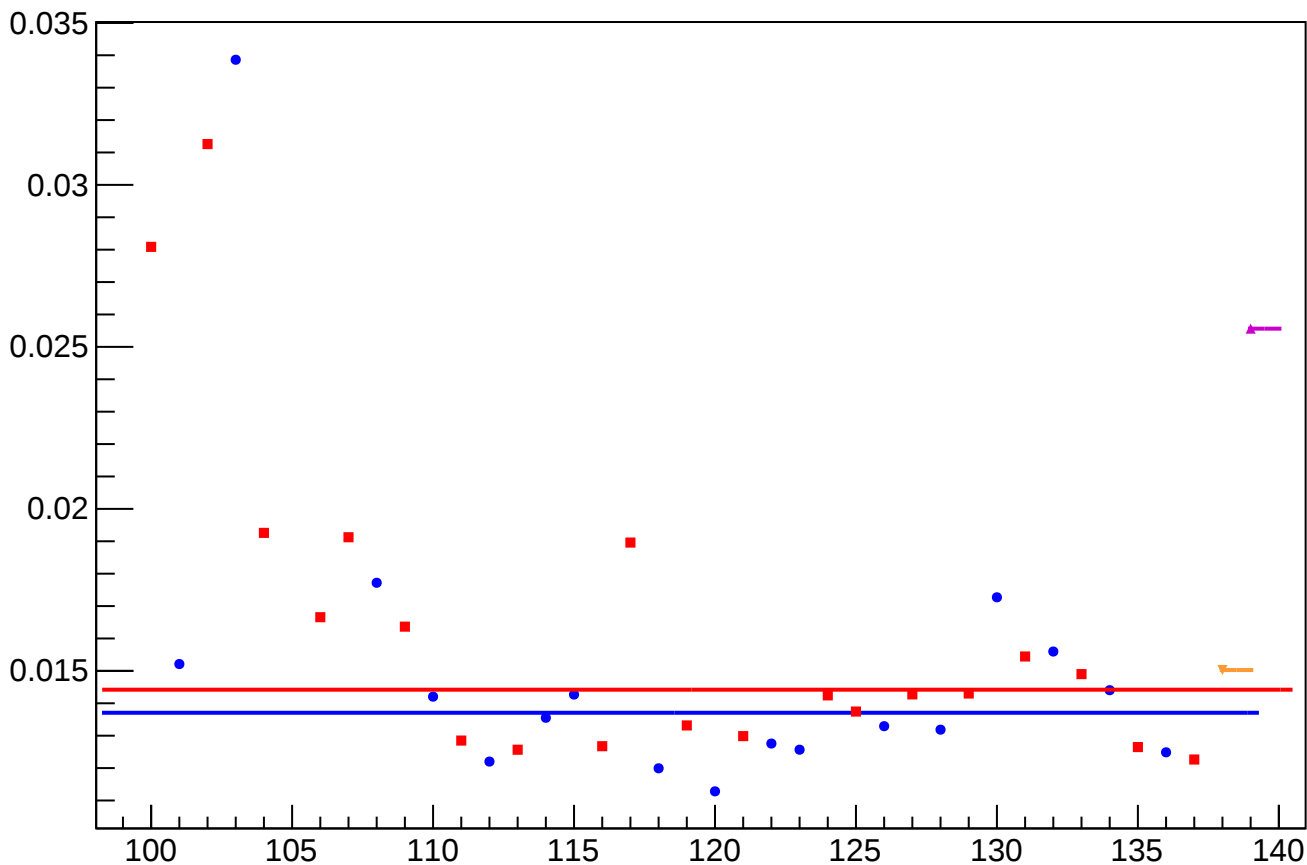
Left In: 0.729+/-0.000 χ^2/NDF : 0.0/0

0.943+/-0.000 χ^2/NDF : 214277825.7/17

0.930+/-0.000 χ^2/NDF : 637491055.0/38

0.915+/-0.000 χ^2/NDF : 410245170.4/20

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 546317.6/16

Left Out: 0.015+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.014+/-0.000 χ^2/NDF : 506553.4/19

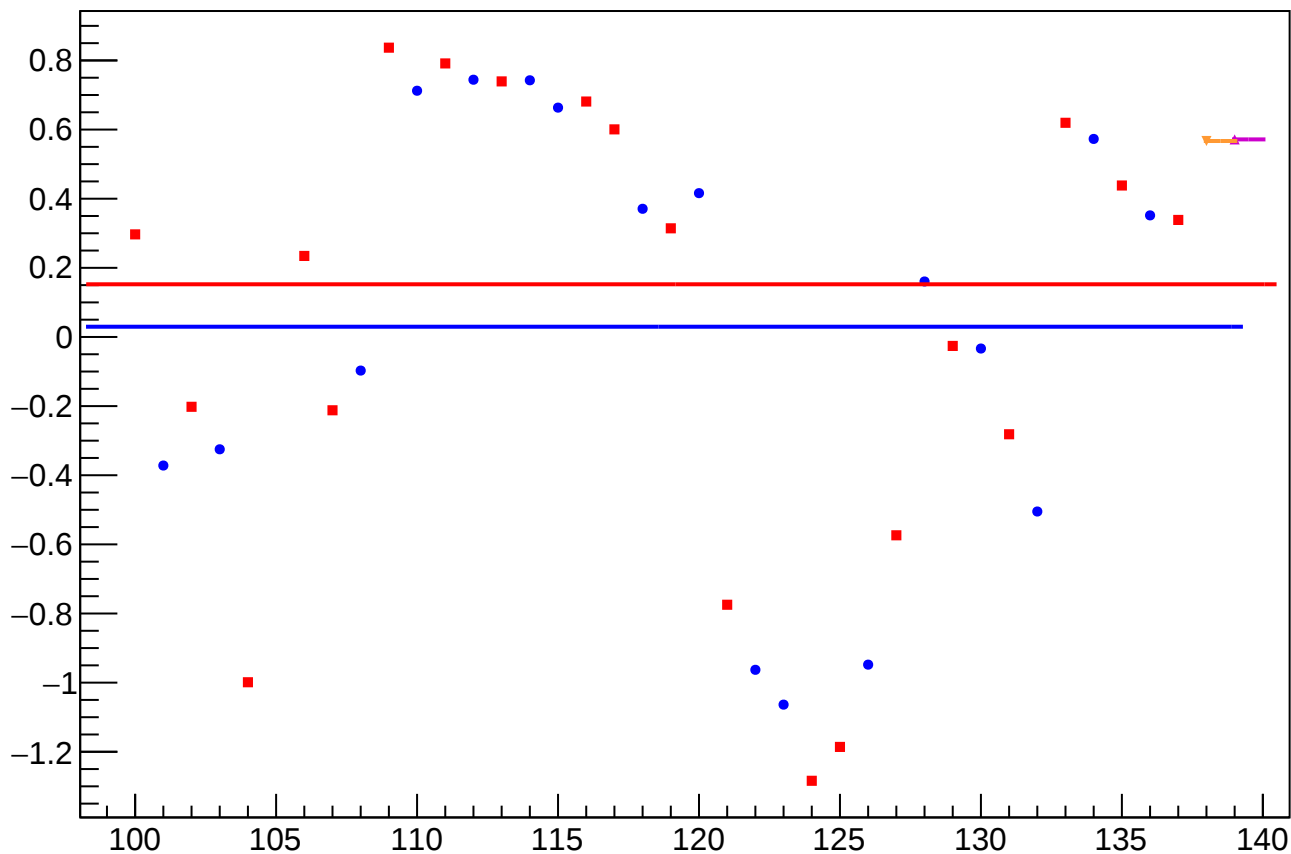
Left In: 0.026+/-0.000 χ^2/NDF : 0.0/0

0.014+/-0.000 χ^2/NDF : 554668.7/17

0.014+/-0.000 χ^2/NDF : 1333308.3/38

0.015+/-0.000 χ^2/NDF : 748108.2/20

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 6294824795.0/16

Left Out: 0.567 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12673501089.9/19

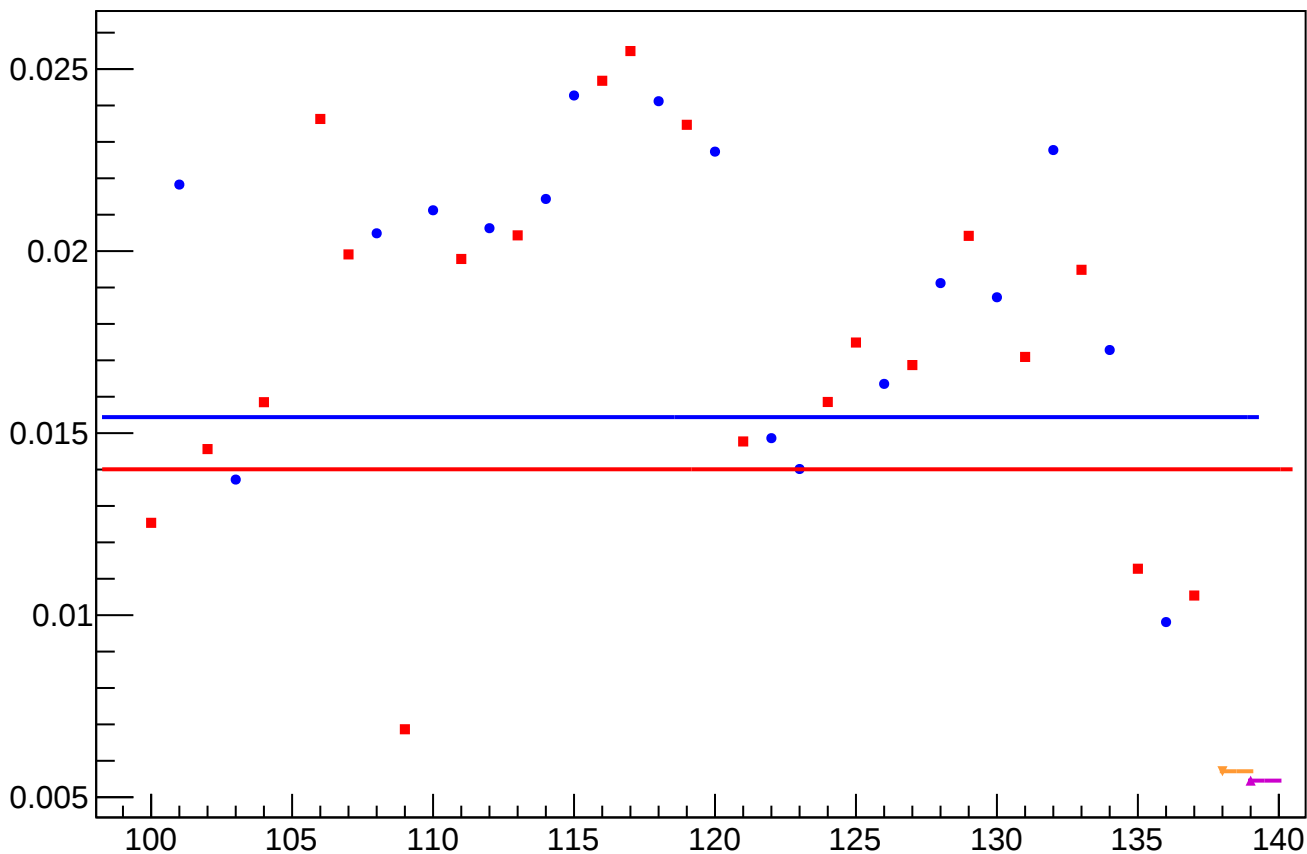
Left In: 0.572 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.260 $\pm$ 0.000 χ^2 /NDF: 9229508357.4/17

0.299 $\pm$ 0.000 χ^2 /NDF: 24160616203.6/3

0.331 $\pm$ 0.000 χ^2 /NDF: 14817495304.9/20

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.006+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.014+/-0.000 χ^2/NDF : 1576149.9/19

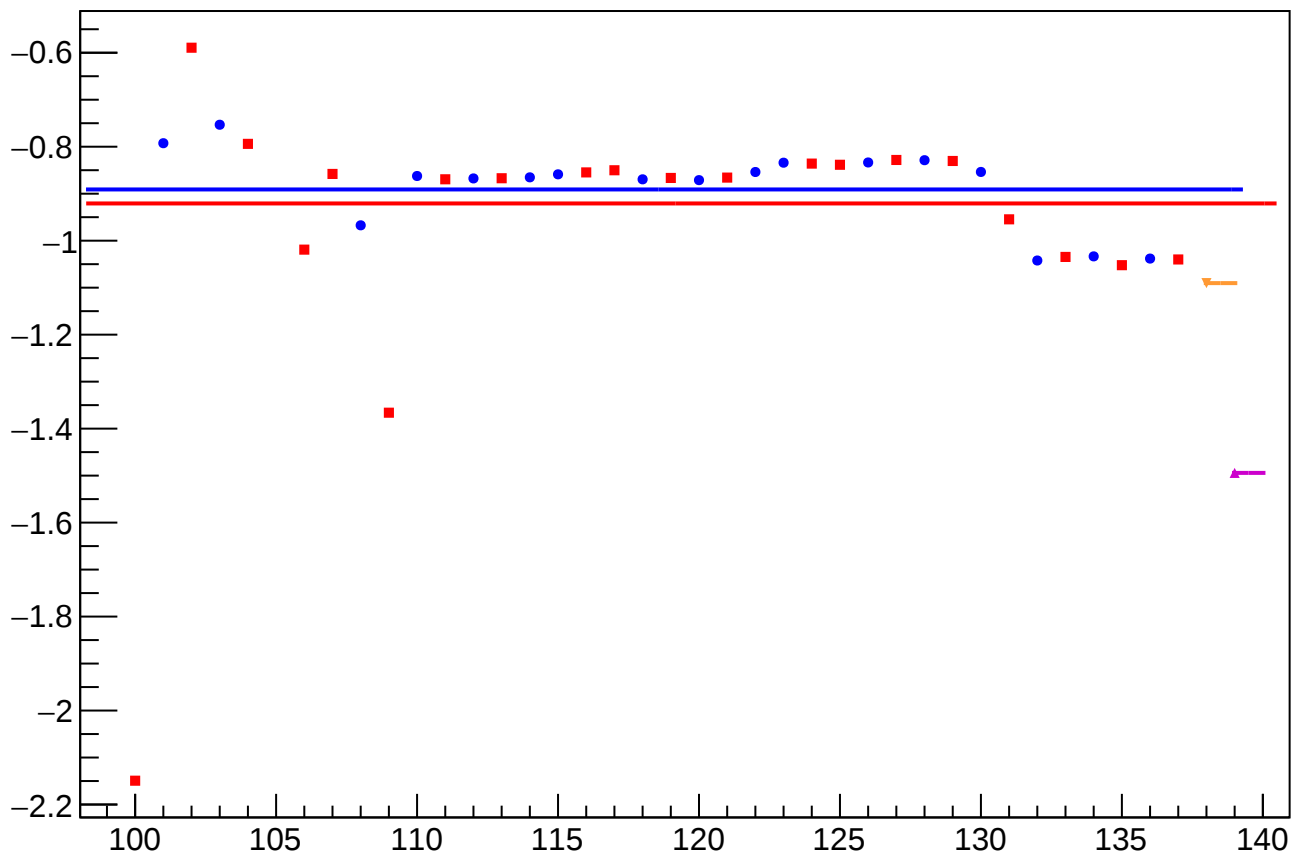
Left In: 0.005+/-0.000 χ^2/NDF : 0.0/0

0.011+/-0.000 χ^2/NDF : 3085764.3/17

0.011+/-0.000 χ^2/NDF : 6483641.6/38

0.010+/-0.000 χ^2/NDF : 3361021.2/20

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.891+/-0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.090+/-0.000 χ^2/NDF : 0.0/0

Right Out: -0.921+/-0.000 χ^2/NDF : 131271770.4/19

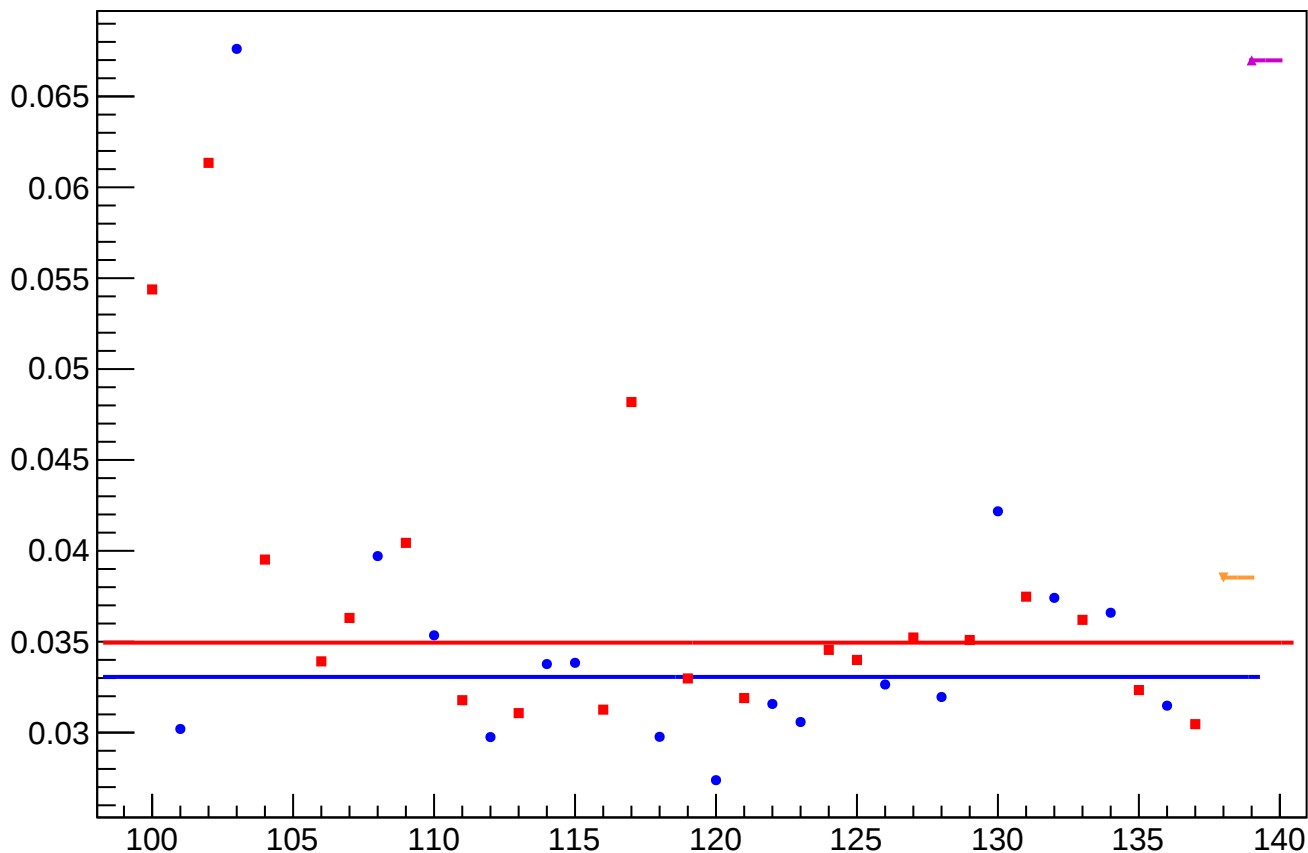
Left In: -1.494+/-0.000 χ^2/NDF : 0.0/0

-0.905+/-0.000 χ^2/NDF : 54409097.0/17

-0.920+/-0.000 χ^2/NDF : 235292264.7/38

-0.937+/-0.000 χ^2/NDF : 178070249.5/20

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 409286.7/16

Left Out: 0.039+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.035+/-0.000 χ^2/NDF : 280500.4/19

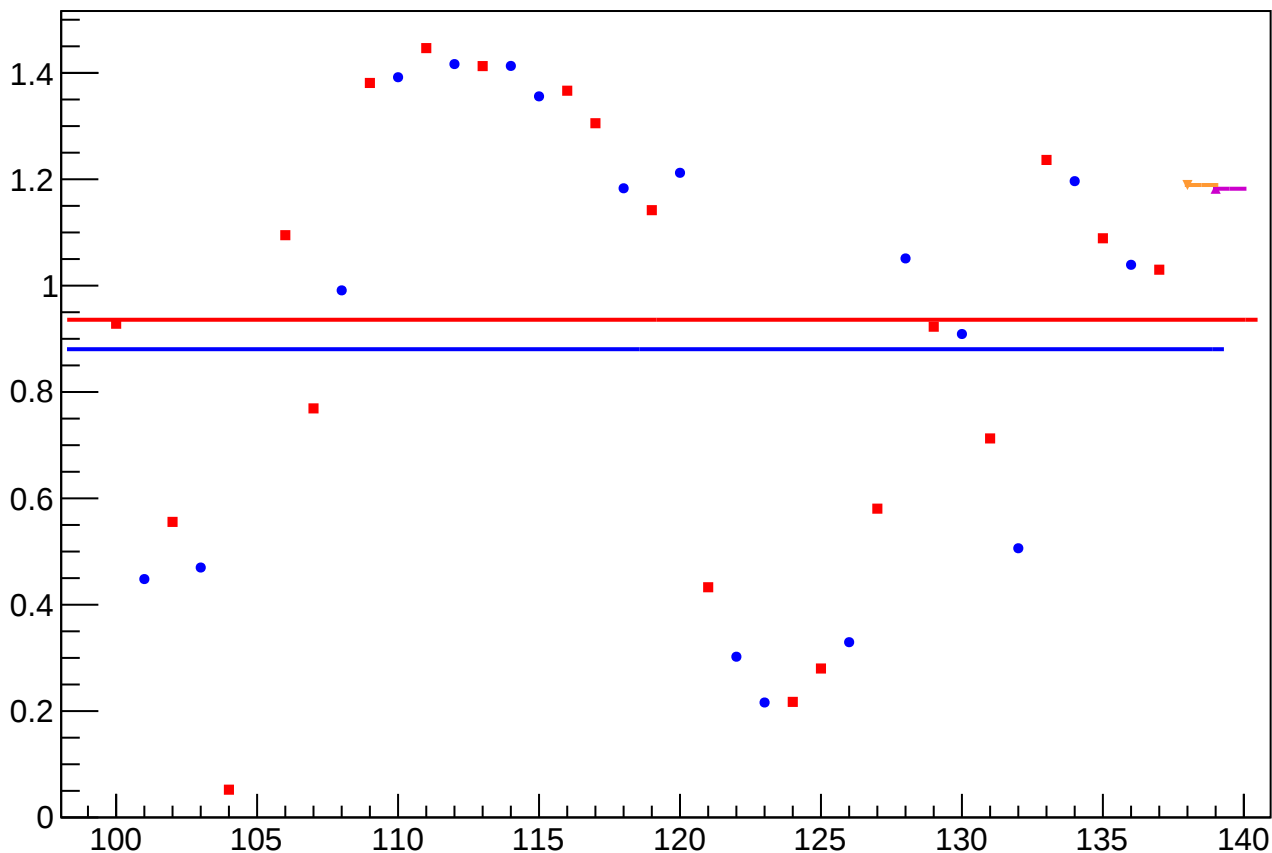
Left In: 0.067+/-0.000 χ^2/NDF : 0.0/0

0.033+/-0.000 χ^2/NDF : 431603.2/17

0.035+/-0.000 χ^2/NDF : 1035921.5/38

0.036+/-0.000 χ^2/NDF : 572613.2/20

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.880 $\pm$ 0.000 χ^2 /NDF: 6400108121.4/16

Left Out: 1.189 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.936 $\pm$ 0.000 χ^2 /NDF: 9851303698.9/19

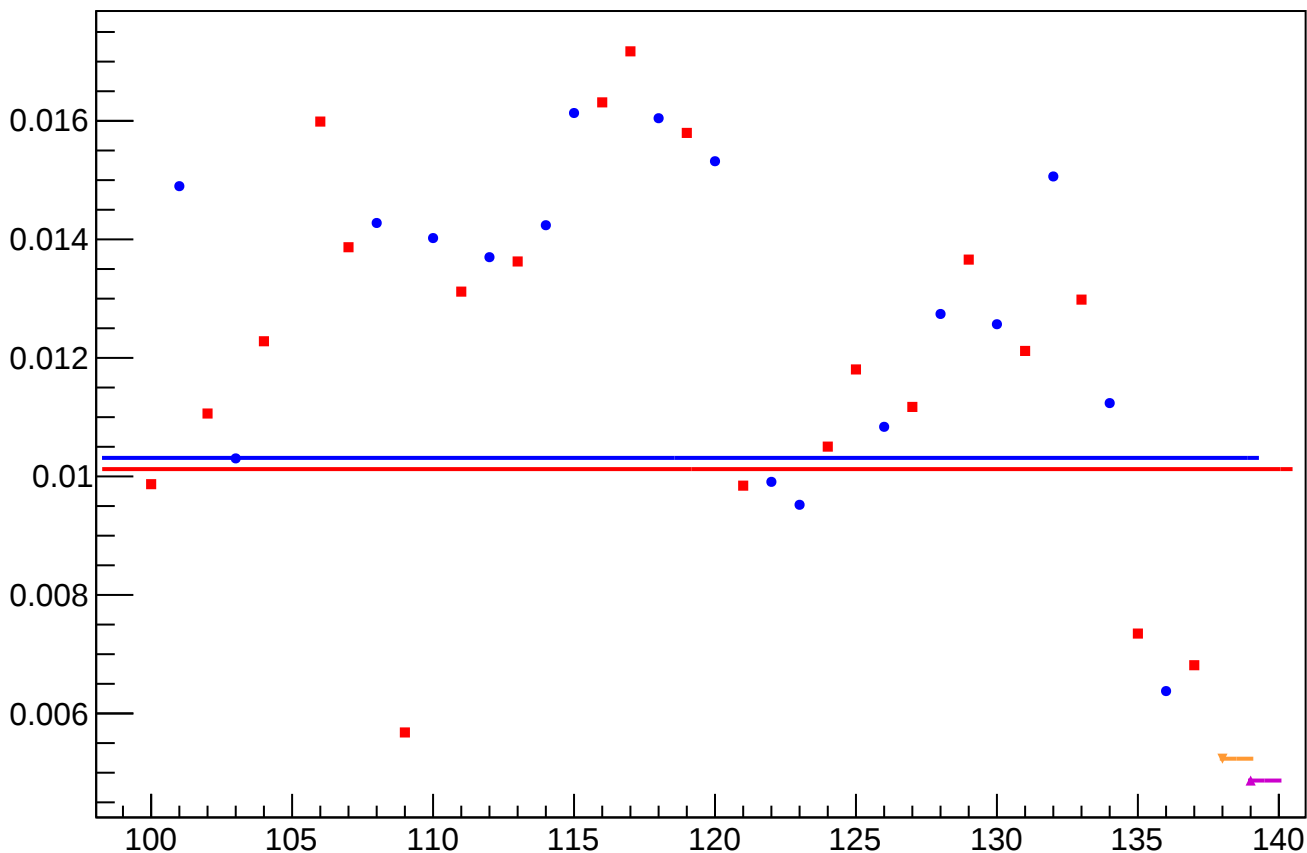
Left In: 1.182 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.976 $\pm$ 0.000 χ^2 /NDF: 7947736937.1/17

0.996 $\pm$ 0.000 χ^2 /NDF: 18966378030.6/3

1.014 $\pm$ 0.000 χ^2 /NDF: 10958441708.7/20

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF : 1231066.2/16

Left Out: 0.005+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.010+/-0.000 χ^2/NDF : 1191429.9/19

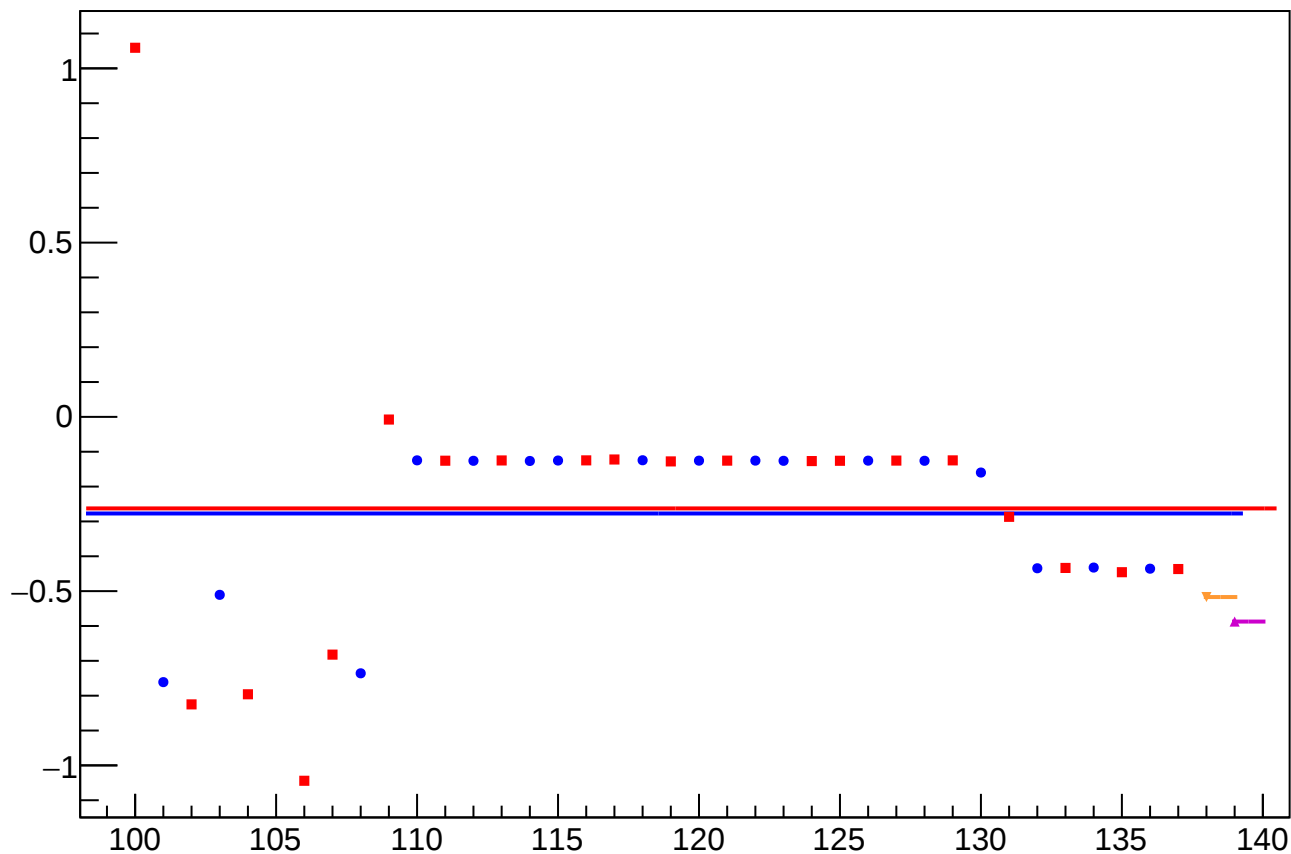
Left In: 0.005+/-0.000 χ^2/NDF : 0.0/0

0.009+/-0.000 χ^2/NDF : 2067764.2/17

0.009+/-0.000 χ^2/NDF : 4274172.7/38

0.008+/-0.000 χ^2/NDF : 2199183.4/20

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.277 ± 0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.517 ± 0.000 χ^2/NDF : 0.0/0

Right Out: -0.263 ± 0.000 χ^2/NDF : 1009303829.9/19

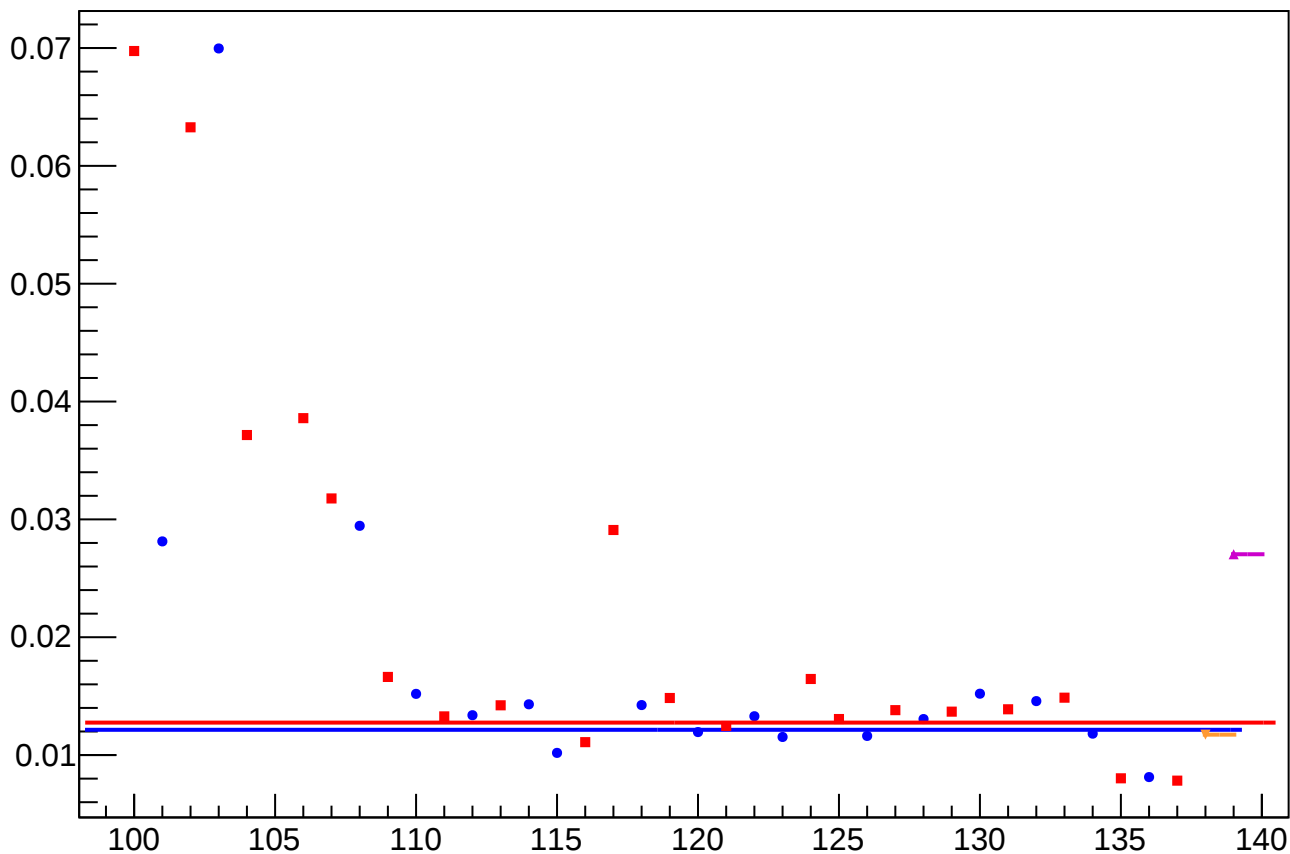
Left In: -0.587 ± 0.000 χ^2/NDF : 0.0/0

-0.302 ± 0.000 χ^2/NDF : 1127510804.8/17

-0.288 ± 0.000 χ^2/NDF : 2244050271.4/30

-0.272 ± 0.000 χ^2/NDF : 1102317523.7/20

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1727494.7/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1993726.2/19

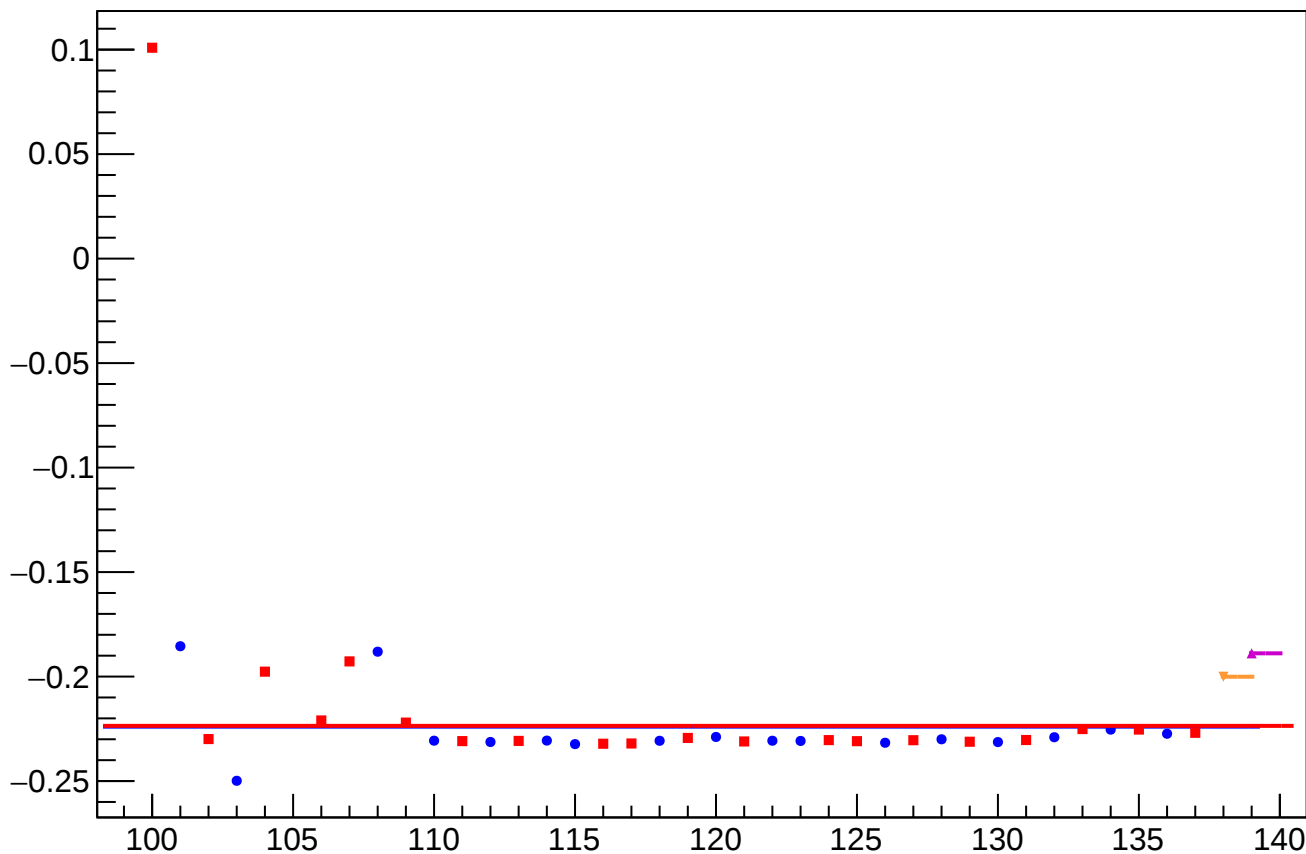
Left In: 0.027 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.012 $\pm$ 0.000 χ^2 /NDF: 1728593.8/17

0.013 $\pm$ 0.000 χ^2 /NDF: 4120662.3/38

0.013 $\pm$ 0.000 χ^2 /NDF: 2353942.3/20

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224+/-0.000 χ^2/NDF : 74704721.6/16

Left Out: -0.200+/-0.000 χ^2/NDF : 0.0/0

Right Out: -0.224+/-0.000 χ^2/NDF : 168231258.4/19

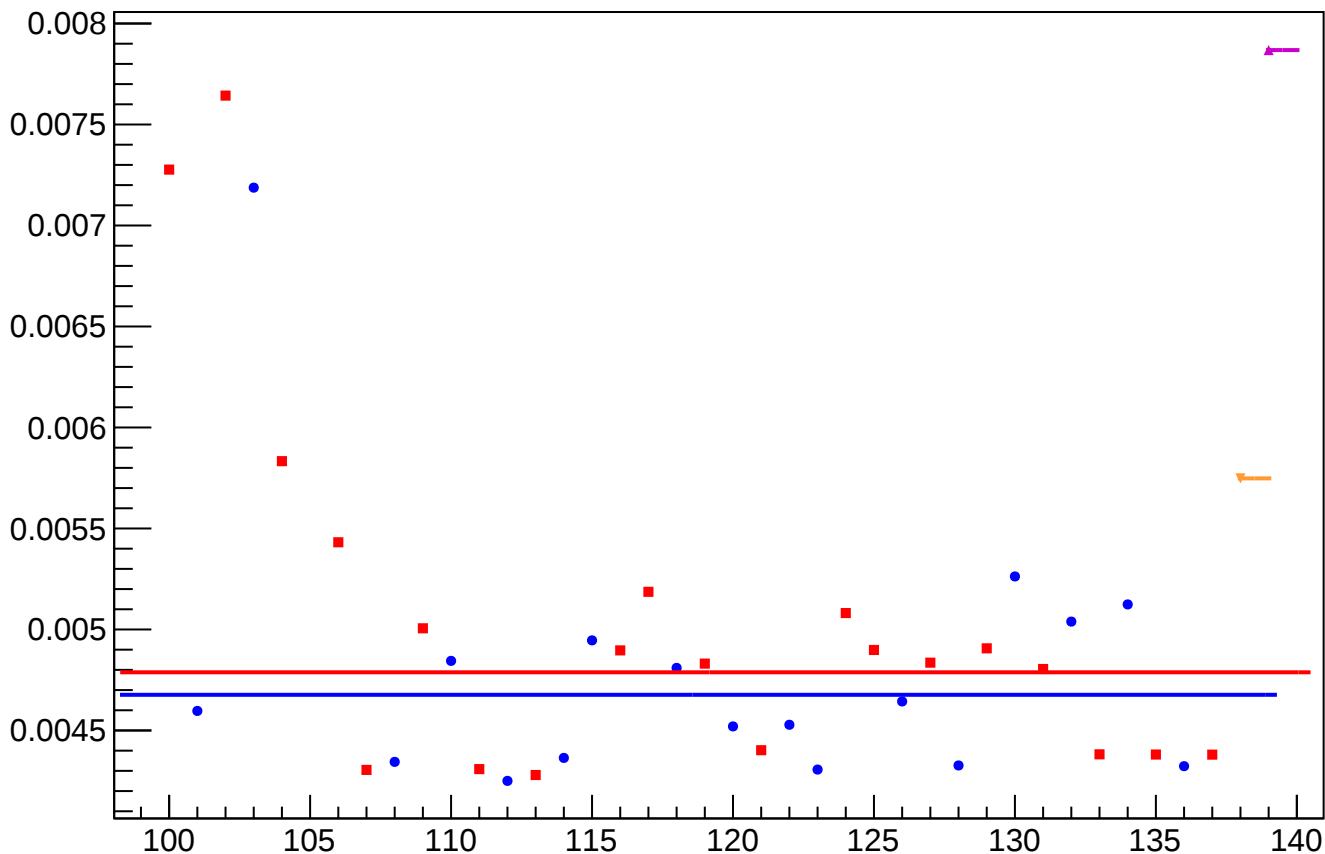
Left In: -0.189+/-0.000 χ^2/NDF : 0.0/0

-0.222+/-0.000 χ^2/NDF : 85459124.6/17

-0.222+/-0.000 χ^2/NDF : 265748136.9/38

-0.222+/-0.000 χ^2/NDF : 180288804.4/20

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 181335.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.005+/-0.000 χ^2/NDF : 248668.3/19

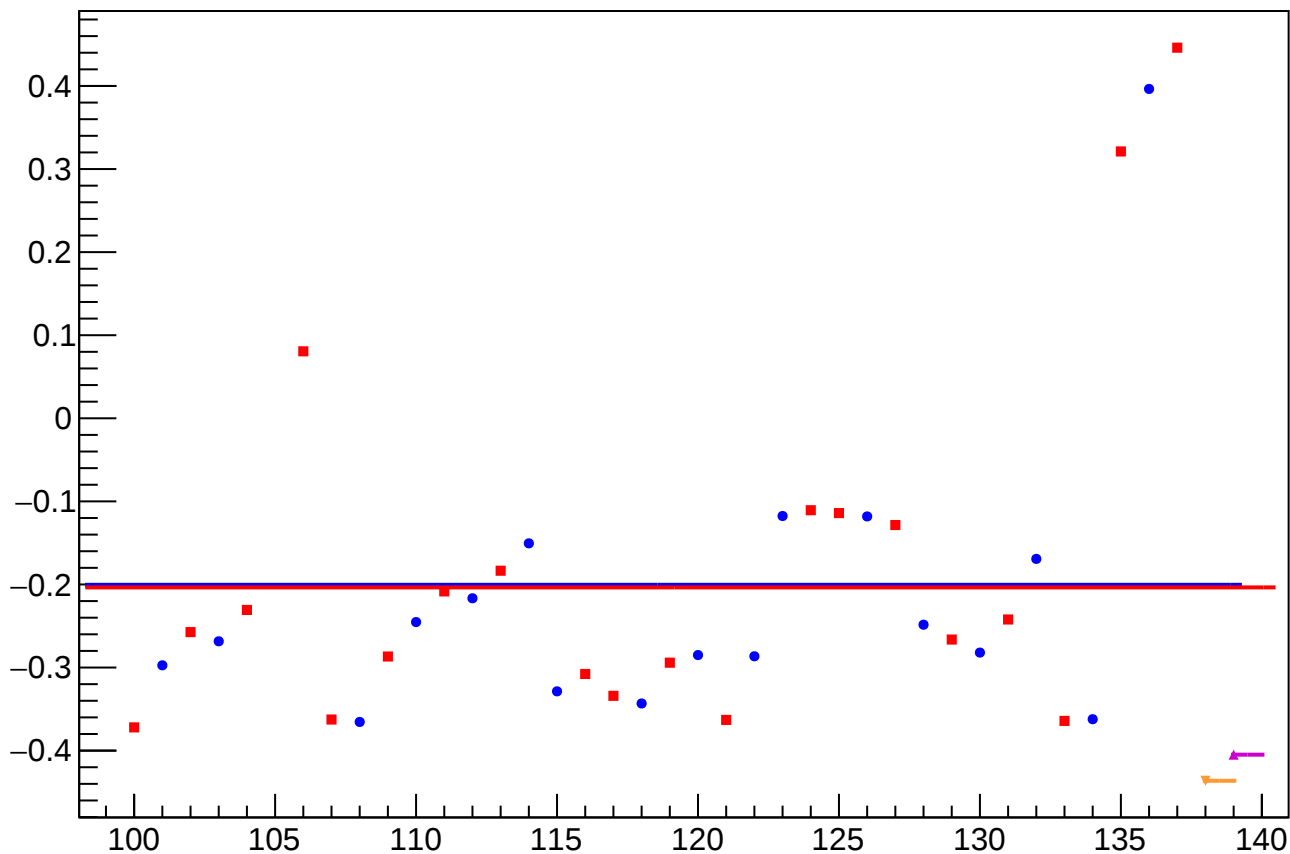
Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

0.005+/-0.000 χ^2/NDF : 224674.5/17

0.005+/-0.000 χ^2/NDF : 669679.5/38

0.005+/-0.000 χ^2/NDF : 438573.5/20

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.200+/-0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.436+/-0.000 χ^2/NDF : 0.0/0

Right Out: -0.204+/-0.000 χ^2/NDF : 5045878528.0/19

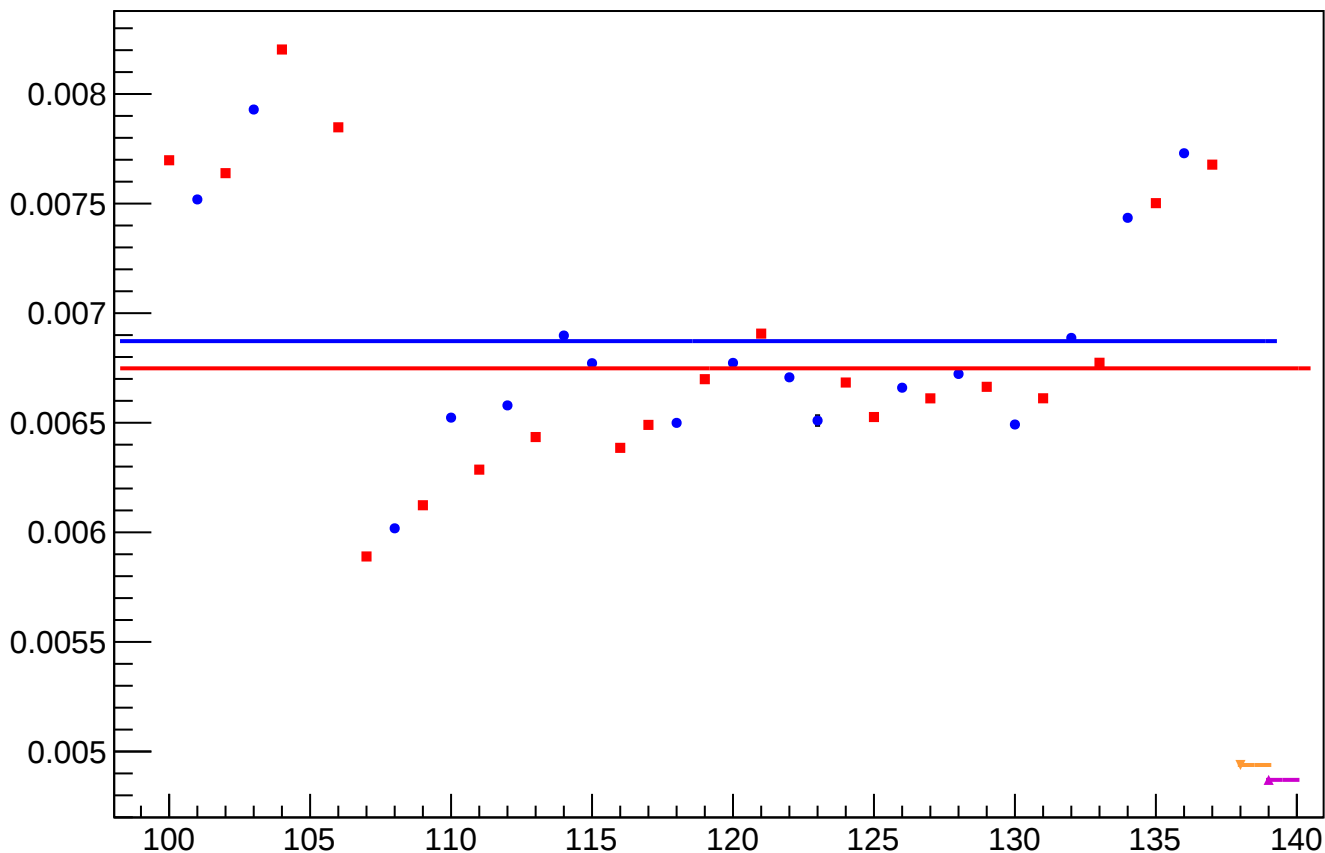
Left In: -0.405+/-0.000 χ^2/NDF : 0.0/0

-0.241+/-0.000 χ^2/NDF : 7310179716.3/17

-0.238+/-0.000 χ^2/NDF : 13316781031.5/3

-0.235+/-0.000 χ^2/NDF : 6003066742.7/20

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: 0.0/0

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 105262.1/19

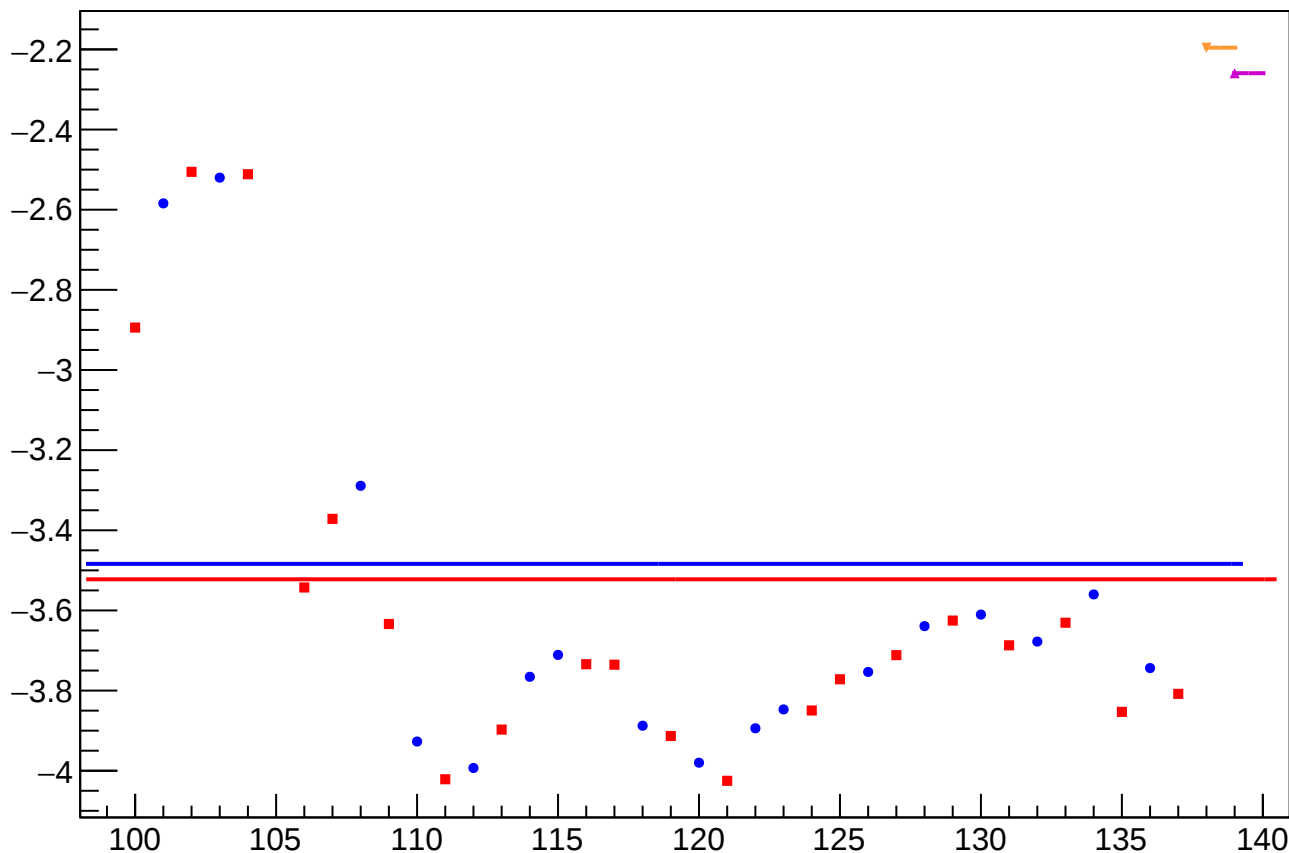
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.007 $\pm$ 0.000 χ^2 /NDF: 258313.6/17

0.006 $\pm$ 0.000 χ^2 /NDF: 531262.7/38

0.006 $\pm$ 0.000 χ^2 /NDF: 271790.3/20

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.196+/-0.000 χ^2/NDF : 0.0/0

Right Out: -3.522+/-0.000 χ^2/NDF : 26497611752.4/19

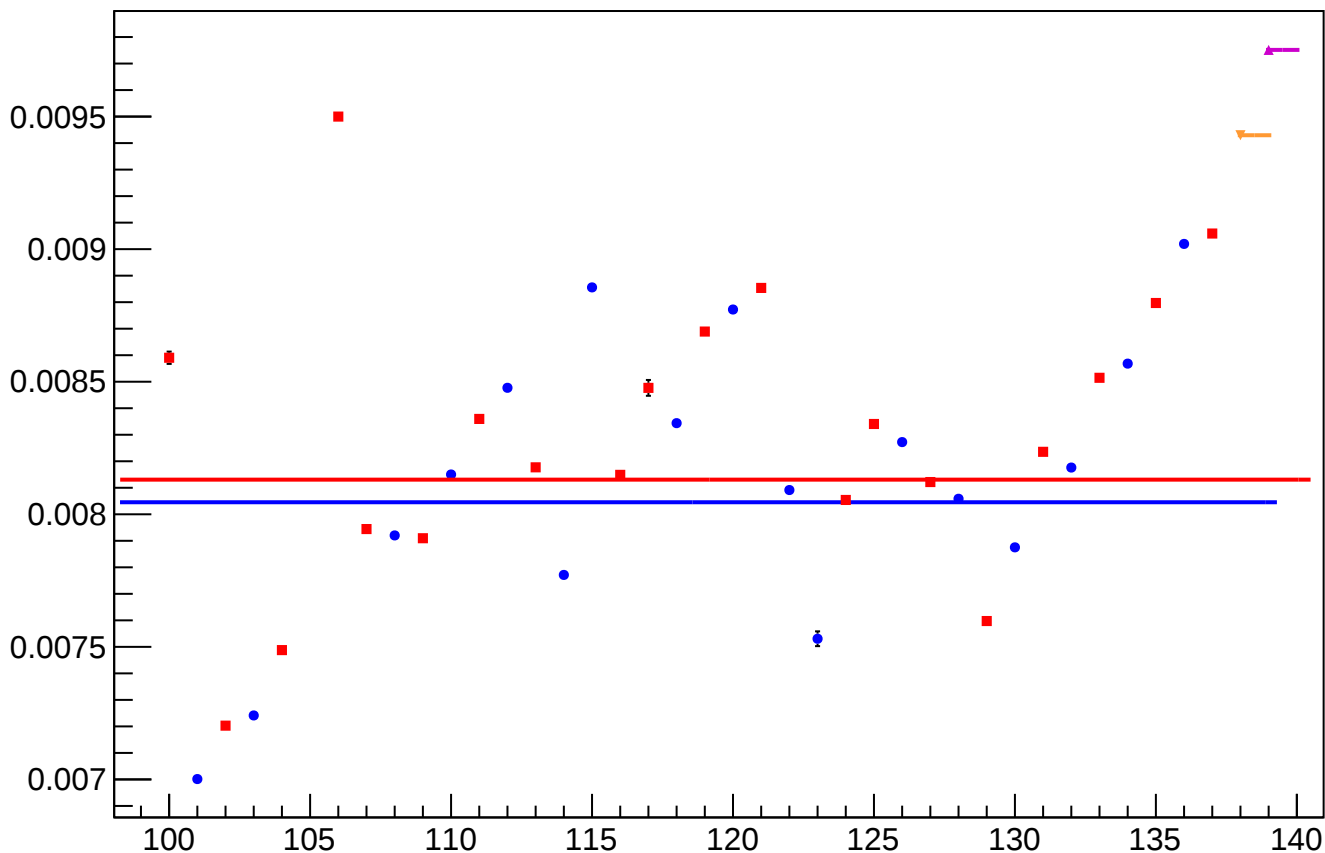
Left In: -2.259+/-0.000 χ^2/NDF : 0.0/0

-3.387+/-0.000 χ^2/NDF : 39710224321.3/17

-3.414+/-0.000 χ^2/NDF : 76941260853.4/3

-3.441+/-0.000 χ^2/NDF : 37071027914.6/20

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 71989.8/16

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.008+/-0.000 χ^2/NDF : 57613.2/19

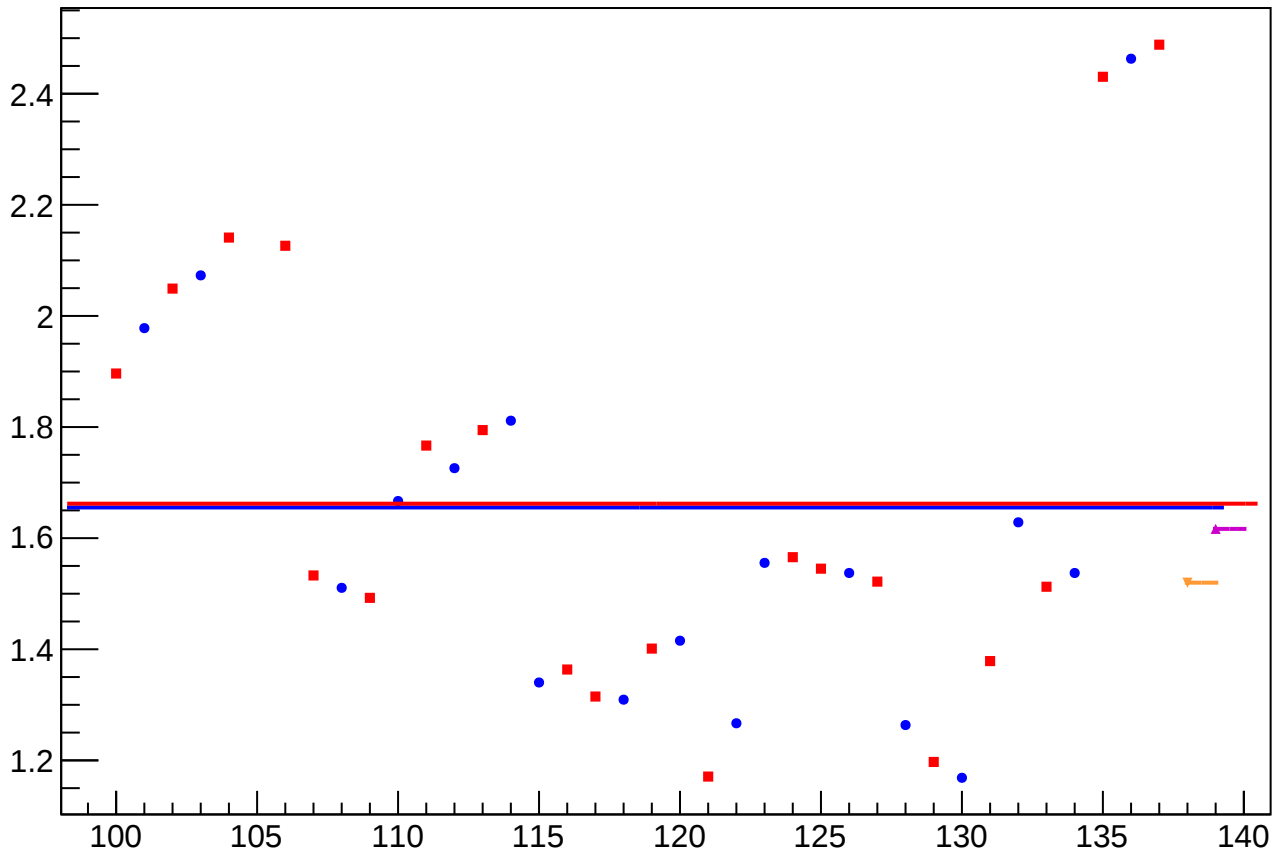
Left In: 0.010+/-0.000 χ^2/NDF : 0.0/0

0.008+/-0.000 χ^2/NDF : 100943.2/17

0.008+/-0.000 χ^2/NDF : 194188.2/38

0.008+/-0.000 χ^2/NDF : 92445.1/20

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.655+/-0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.520+/-0.000 χ^2/NDF : 0.0/0

Right Out: 1.662+/-0.000 χ^2/NDF : 5975345573.0/19

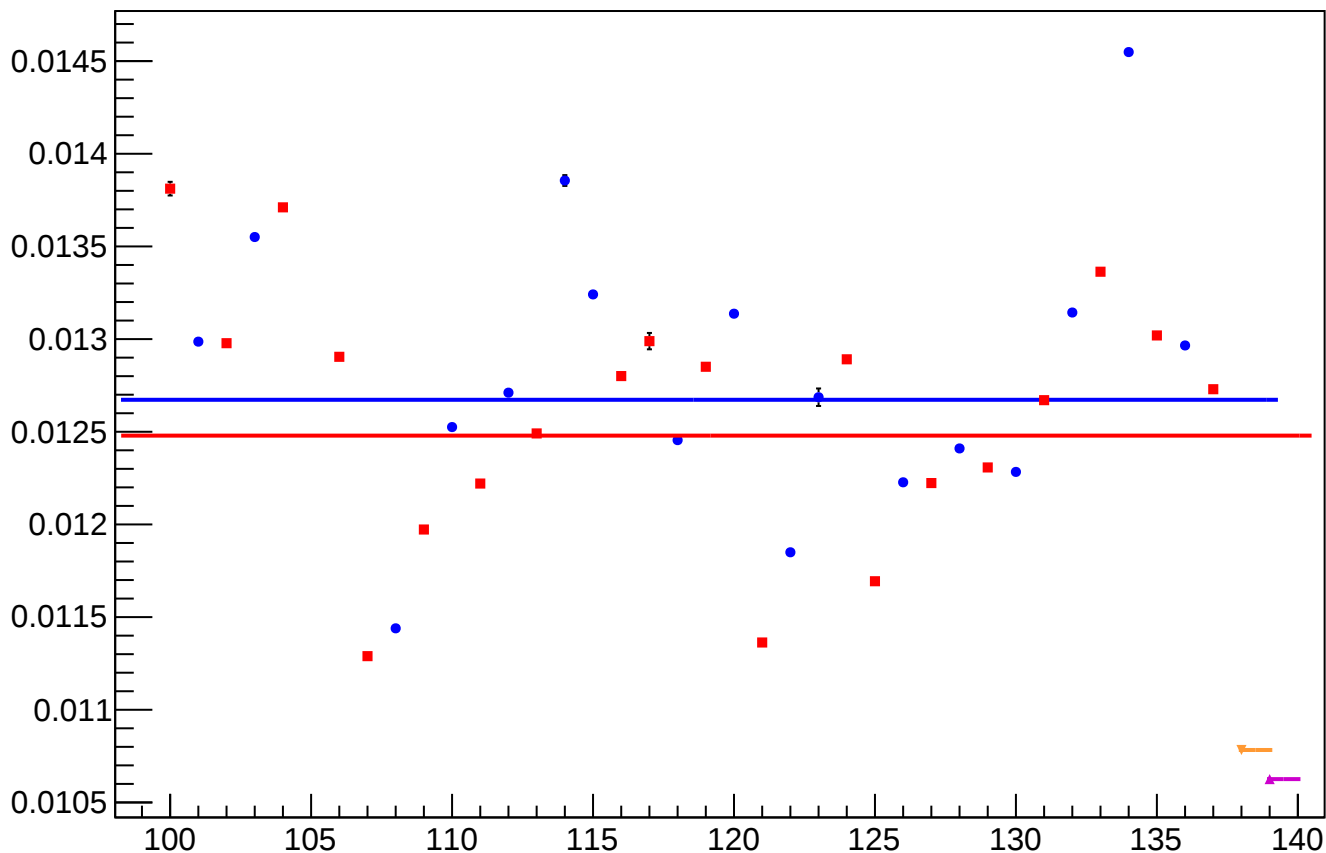
Left In: 1.617+/-0.000 χ^2/NDF : 0.0/0

1.638+/-0.000 χ^2/NDF : 6574457343.9/17

1.647+/-0.000 χ^2/NDF : 12569581439.4/3

1.657+/-0.000 χ^2/NDF : 5986179504.5/20

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF : 31801.3/16

Left Out: 0.011+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.012+/-0.000 χ^2/NDF : 39268.9/19

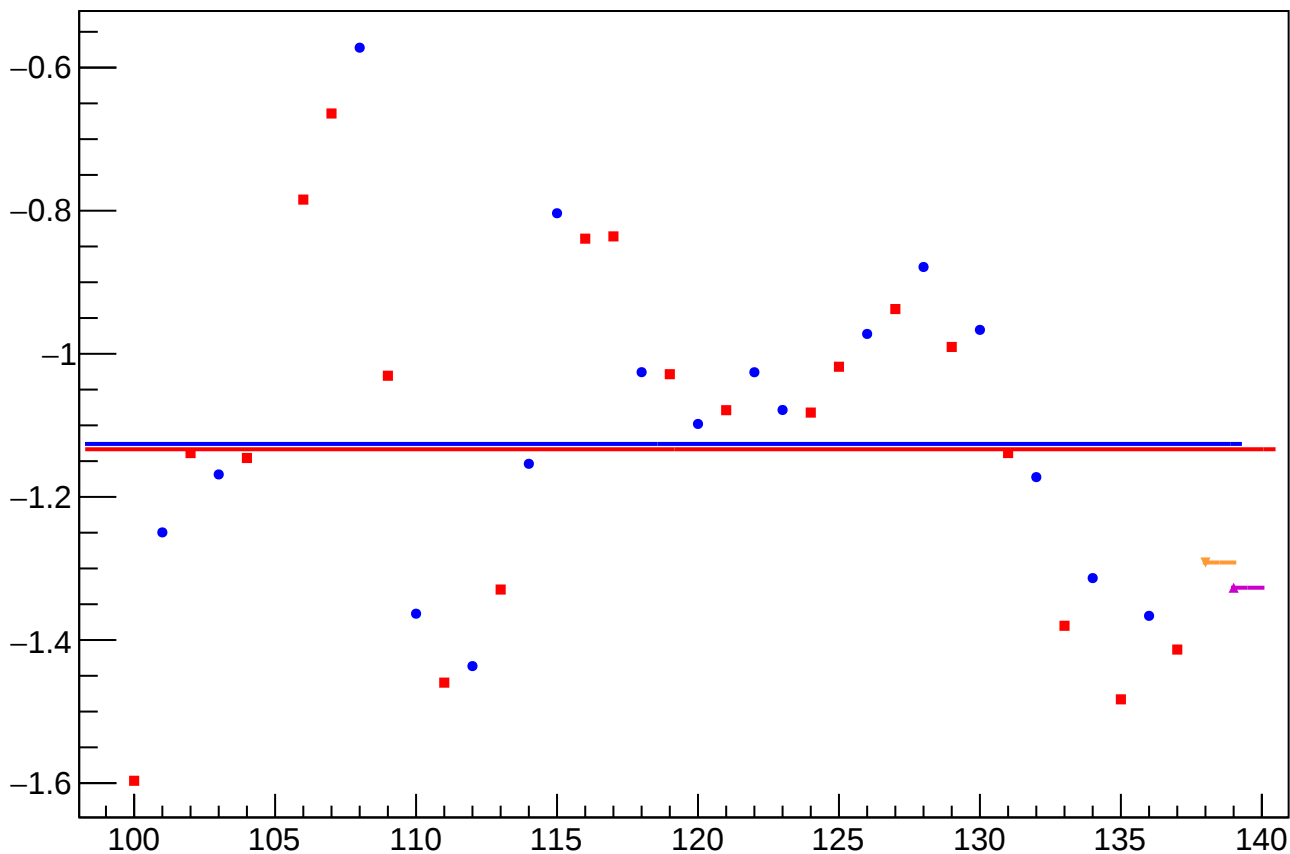
Left In: 0.011+/-0.000 χ^2/NDF : 0.0/0

0.012+/-0.000 χ^2/NDF : 69982.6/17

0.012+/-0.000 χ^2/NDF : 146709.3/38

0.012+/-0.000 χ^2/NDF : 75400.9/20

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.292+/-0.000 χ^2/NDF : 0.0/0

Right Out: -1.133+/-0.000 χ^2/NDF : 3706528266.7/19

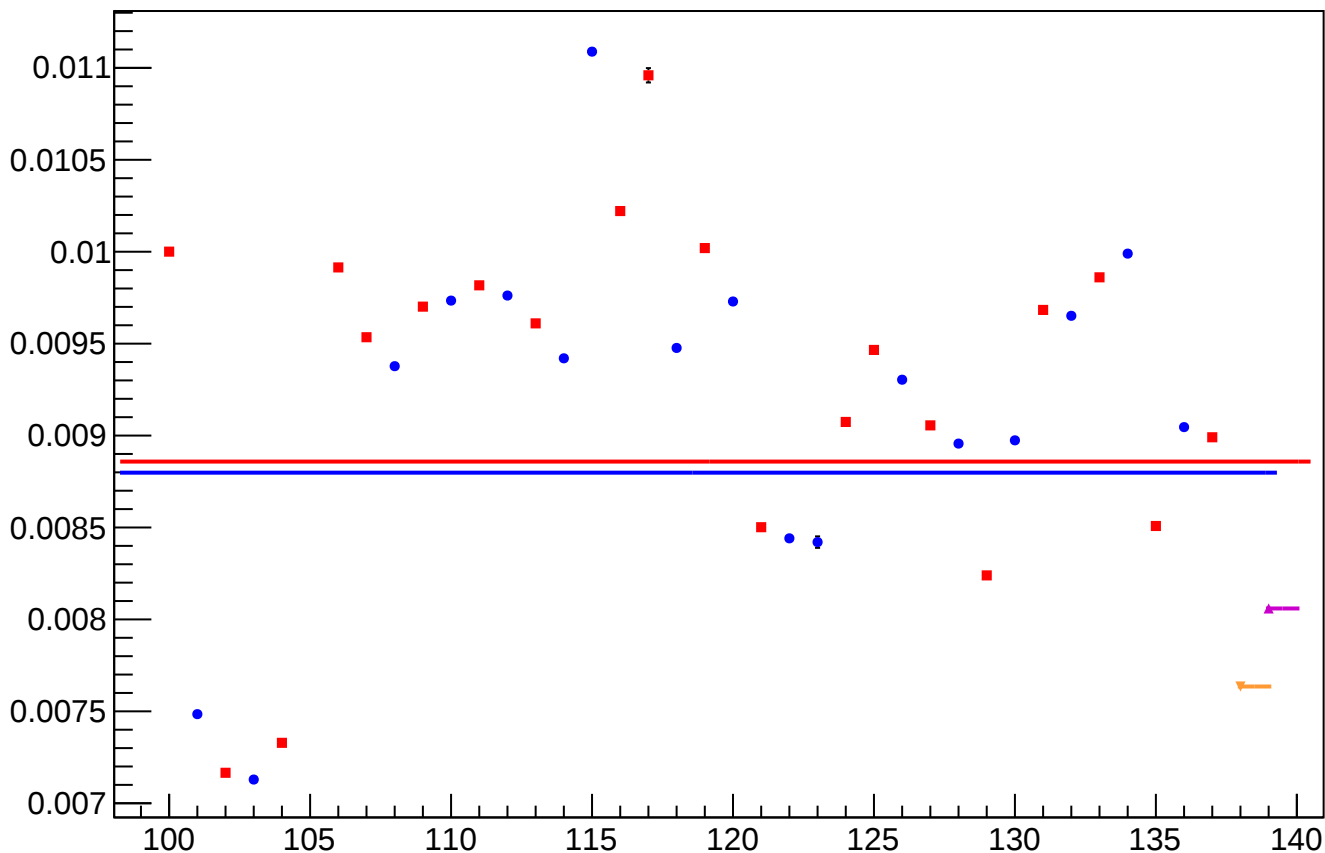
Left In: -1.327+/-0.000 χ^2/NDF : 0.0/0

-1.147+/-0.000 χ^2/NDF : 3865153166.2/17

-1.151+/-0.000 χ^2/NDF : 7916918532.4/30

-1.154+/-0.000 χ^2/NDF : 4049399721.8/20

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 151586.8/16

Left Out: 0.008+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.009+/-0.000 χ^2/NDF : 176858.0/19

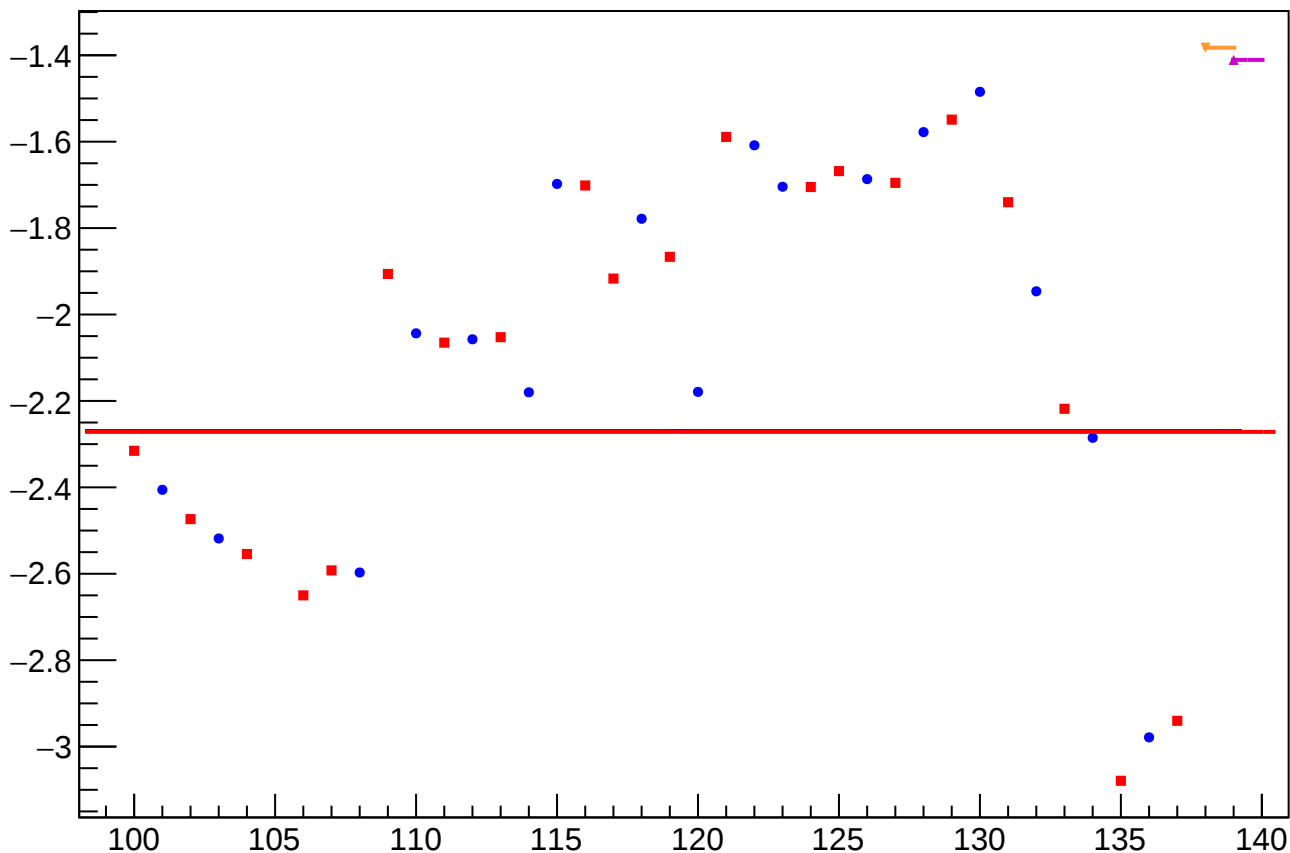
Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

0.009+/-0.000 χ^2/NDF : 180201.5/17

0.009+/-0.000 χ^2/NDF : 370192.0/38

0.009+/-0.000 χ^2/NDF : 188547.7/20

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.270+/-0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.382+/-0.000 χ^2/NDF : 0.0/0

Right Out: -2.272+/-0.000 χ^2/NDF : 19012236430.2/19

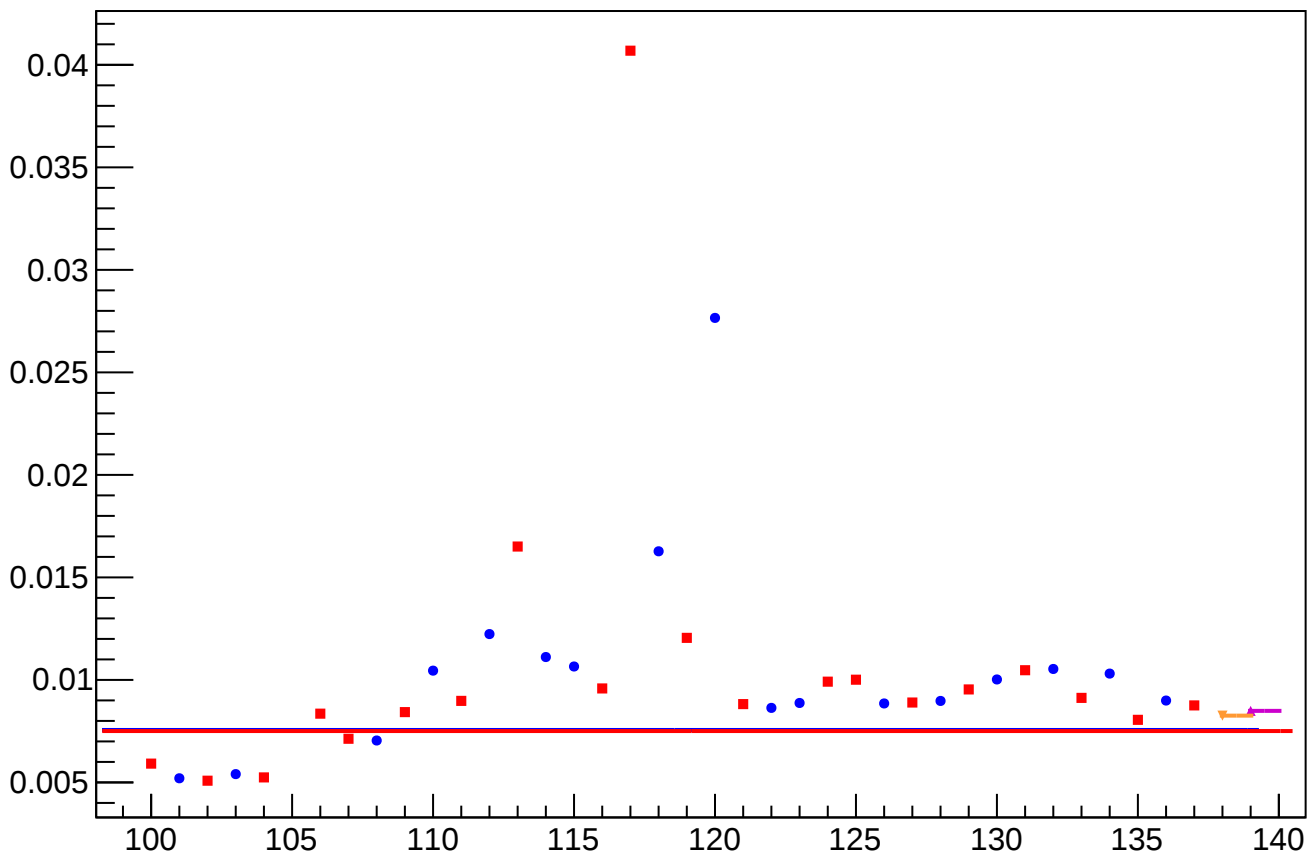
Left In: -1.411+/-0.000 χ^2/NDF : 0.0/0

-2.185+/-0.000 χ^2/NDF : 24011863051.1/17

-2.194+/-0.000 χ^2/NDF : 49024153040.1/17

-2.202+/-0.000 χ^2/NDF : 24998310245.6/20

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1221004.0/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 984811.6/19

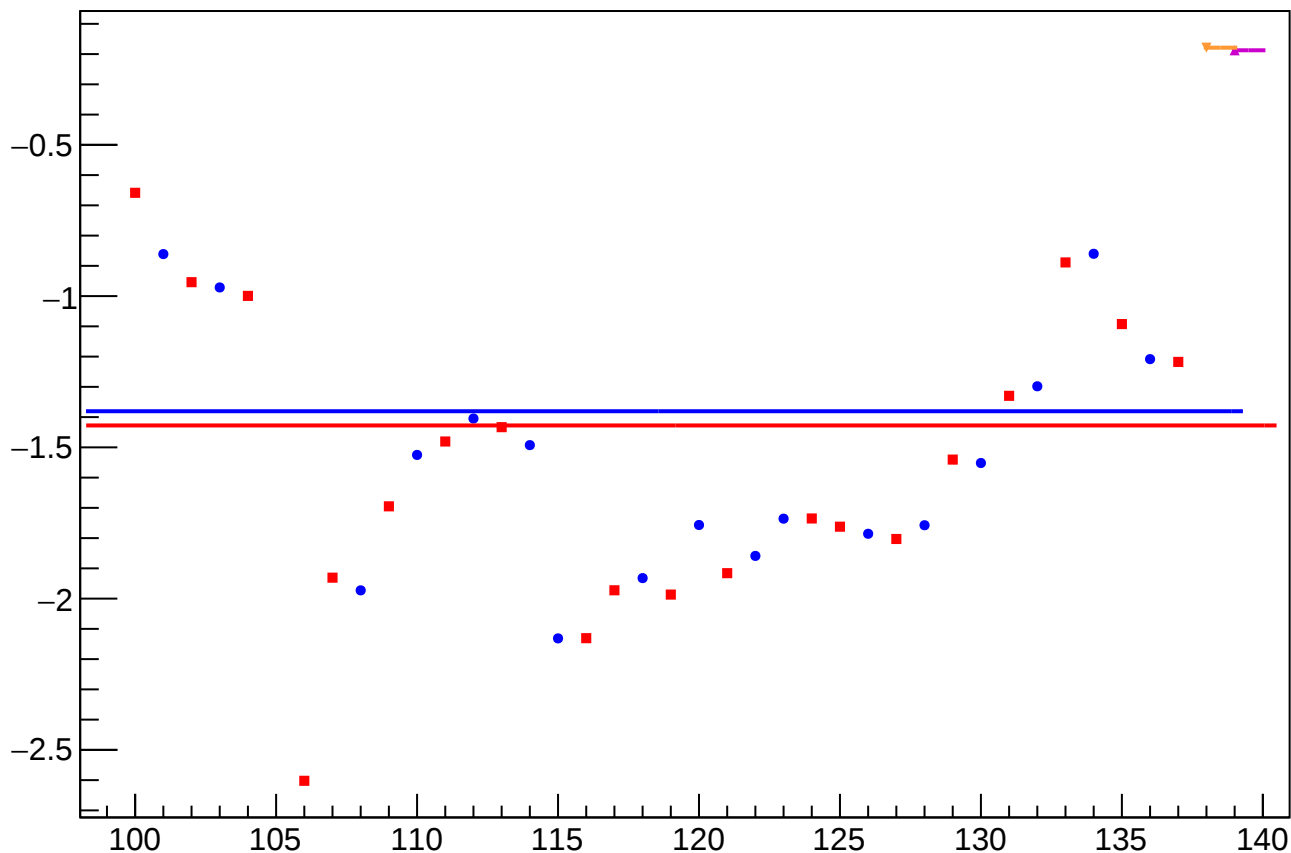
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.008 $\pm$ 0.000 χ^2 /NDF: 1229214.2/17

0.008 $\pm$ 0.000 χ^2 /NDF: 2229823.1/38

0.008 $\pm$ 0.000 χ^2 /NDF: 1000454.1/20

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.381+/-0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.179+/-0.000 χ^2/NDF : 0.0/0

Right Out: -1.428+/-0.000 χ^2/NDF : 29626603581.6/19

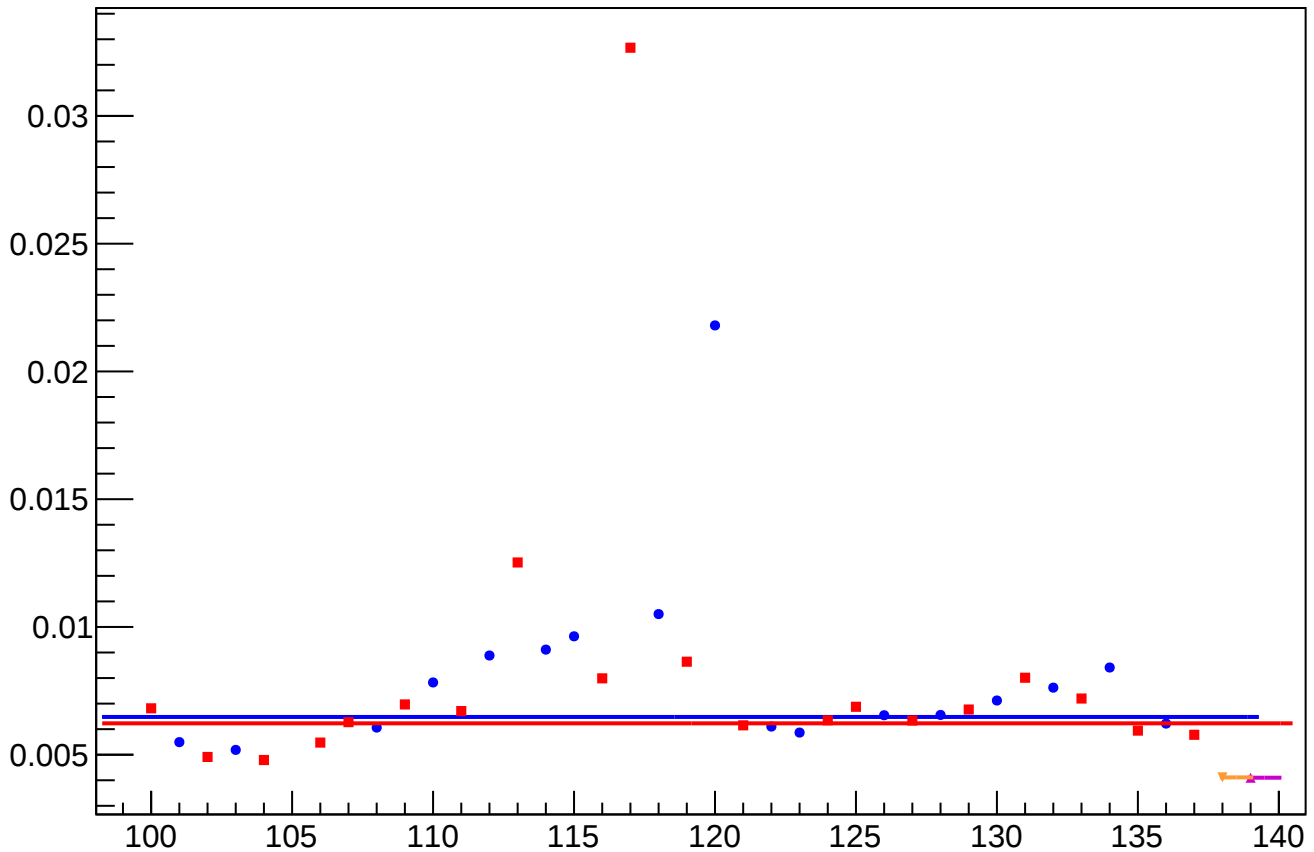
Left In: -0.187+/-0.000 χ^2/NDF : 0.0/0

-1.088+/-0.000 χ^2/NDF : 65645437678.6/17

-1.135+/-0.000 χ^2/NDF : 143267966878.1

-1.177+/-0.000 χ^2/NDF : 76914053472.9/20

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 : 0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF : 472534.6/19

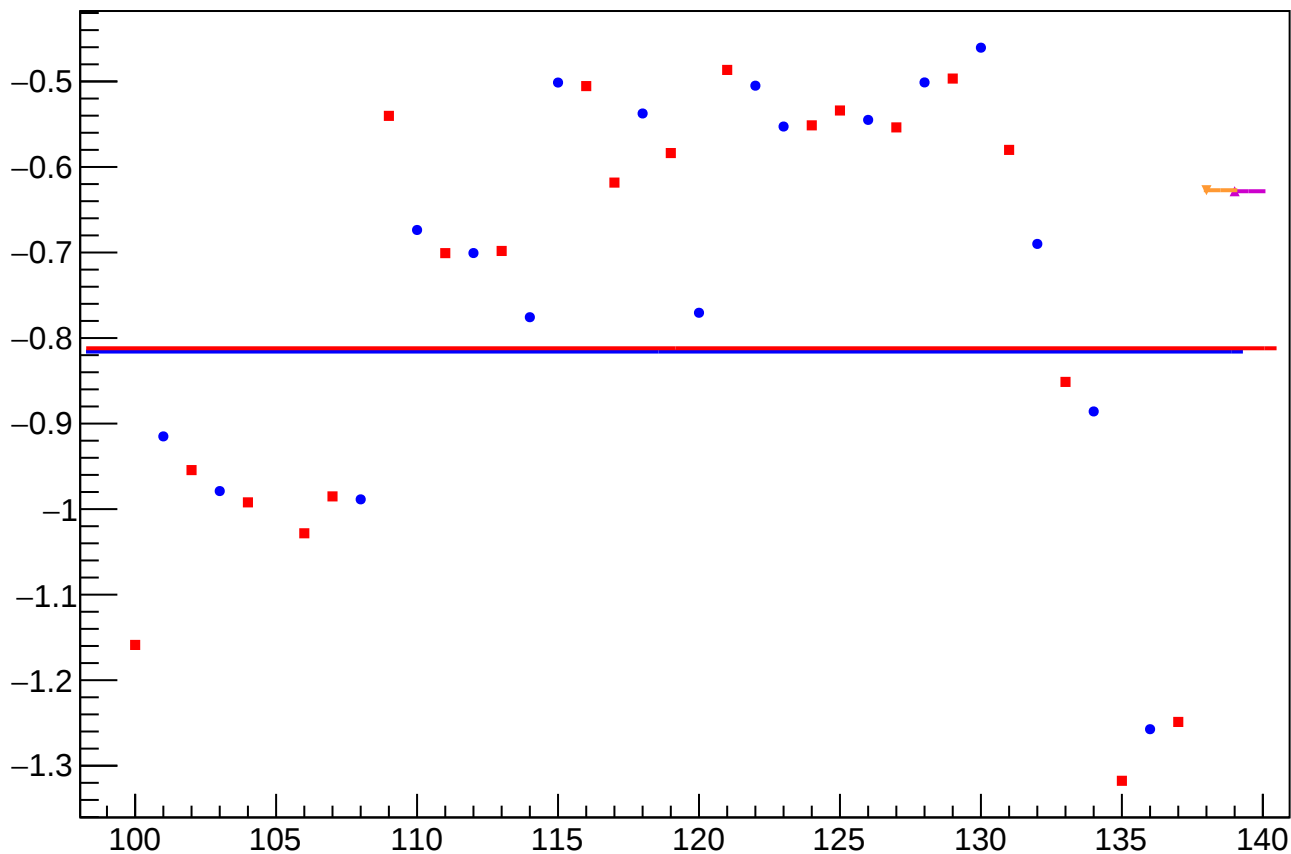
Left In: 0.004+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 926158.7/17

0.006+/-0.000 χ^2/NDF : 1679160.1/38

0.006+/-0.000 χ^2/NDF : 751030.2/20

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.816 ± 0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.627 ± 0.000 χ^2/NDF : 0.0/0

Right Out: -0.812 ± 0.000 χ^2/NDF : 16818378599.3/19

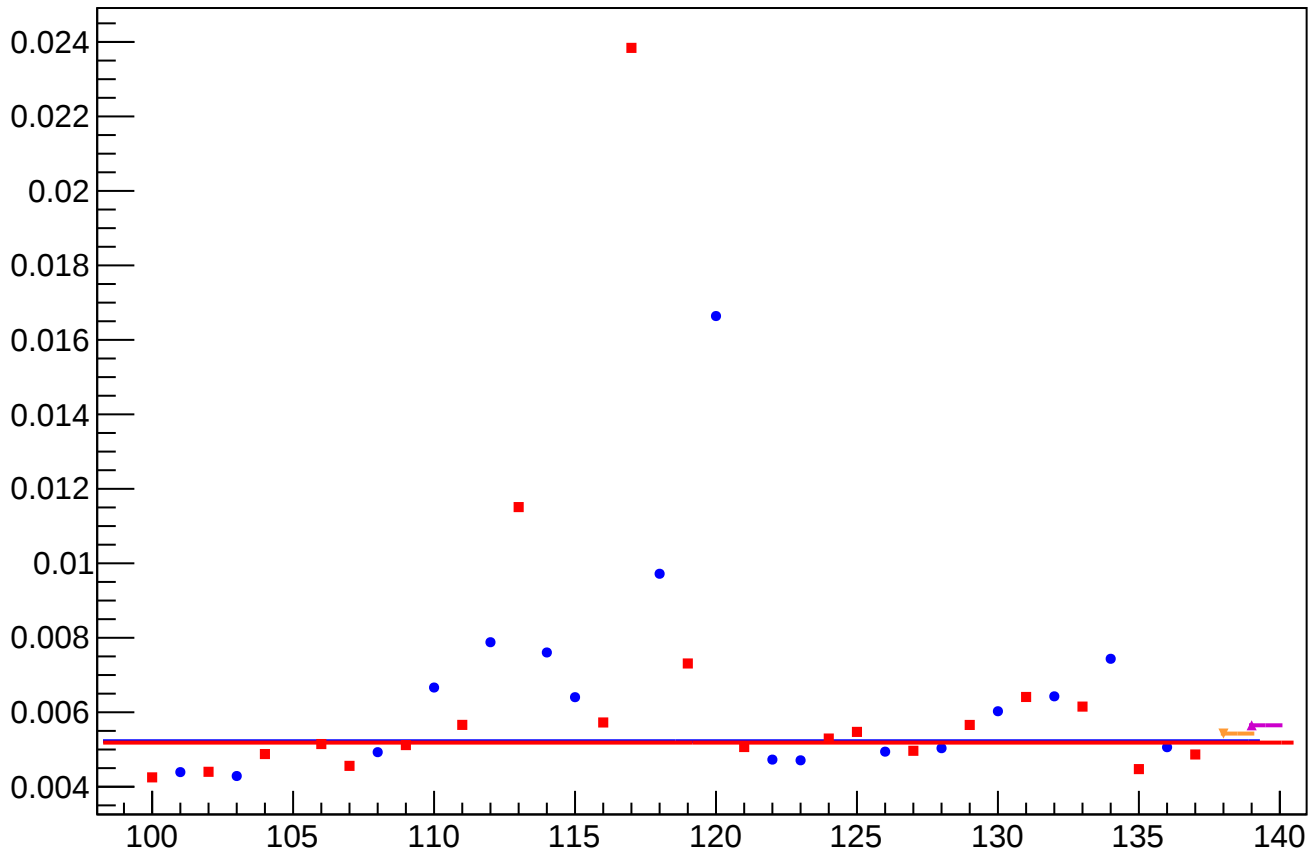
Left In: -0.628 ± 0.000 χ^2/NDF : 0.0/0

-0.797 ± 0.000 χ^2/NDF : 14857787471.1/17

-0.797 ± 0.000 χ^2/NDF : 32283227154.1/17

-0.797 ± 0.000 χ^2/NDF : 17425433542.0/20

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 : 0.0/0

Right Out: 0.005+/-0.000 χ^2/NDF : 410640.5/19

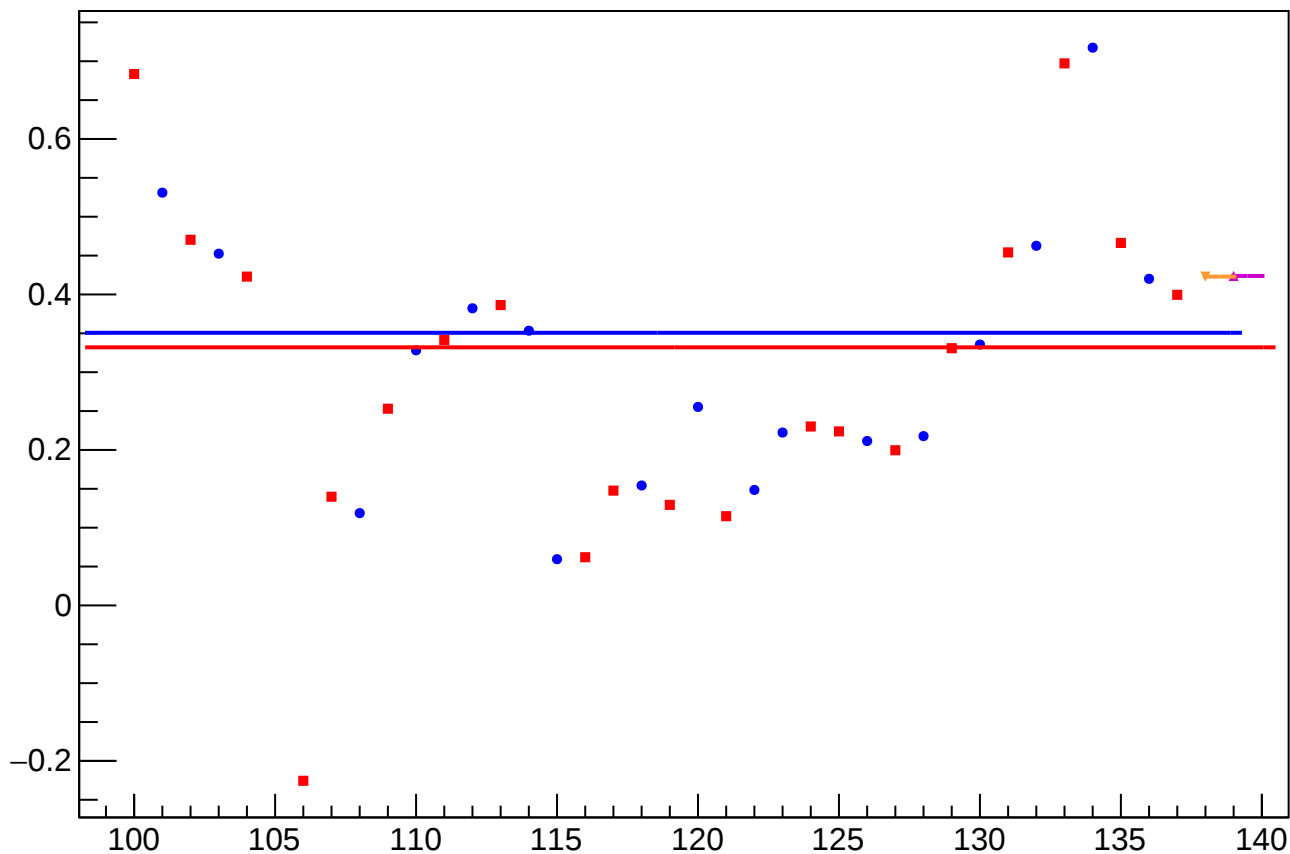
Left In: 0.006+/-0.000 χ^2/NDF : 0.0/0

0.005+/-0.000 χ^2/NDF : 666027.0/17

0.005+/-0.000 χ^2/NDF : 1084534.6/38

0.005+/-0.000 χ^2/NDF : 418428.0/20

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.351 $\pm$ 0.000 χ^2 /NDF: 7410859446.3/16

Left Out: 0.423 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.332 $\pm$ 0.000 χ^2 /NDF: 11800695210.2/19

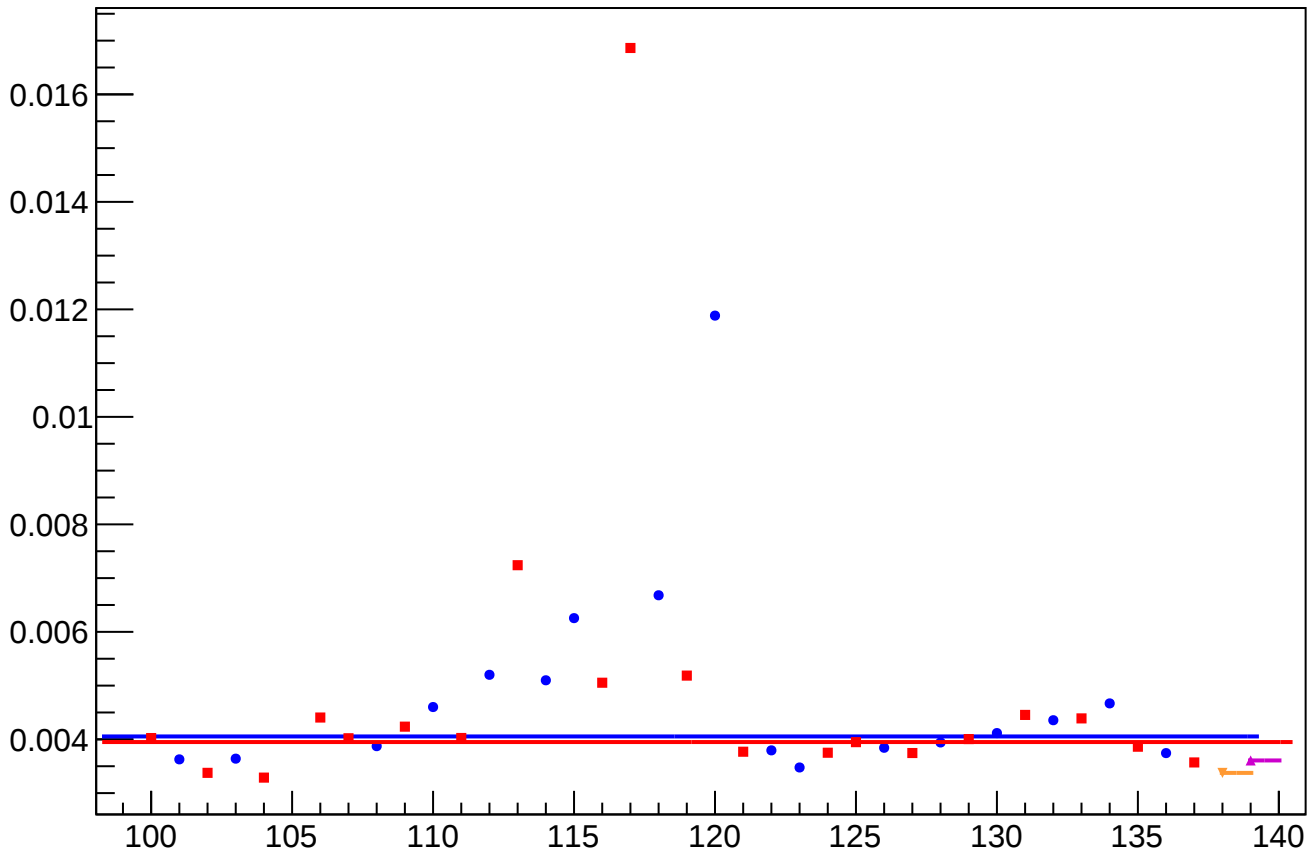
Left In: 0.424 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.360 $\pm$ 0.000 χ^2 /NDF: 7639482249.7/17

0.350 $\pm$ 0.000 χ^2 /NDF: 19830264177.6/3

0.341 $\pm$ 0.000 χ^2 /NDF: 12115163778.8/20

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 455318.3/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 304954.7/19

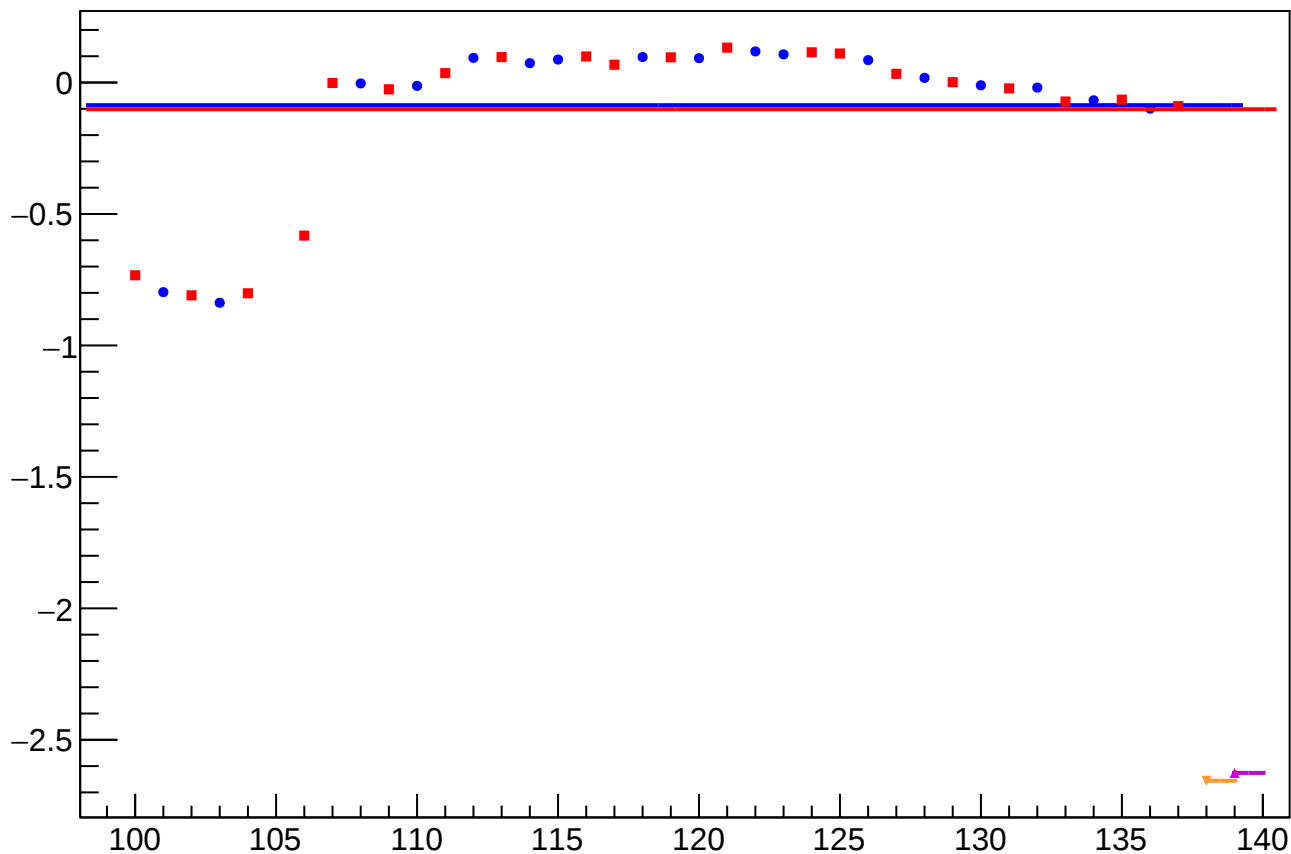
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.004 $\pm$ 0.000 χ^2 /NDF: 495607.9/17

0.004 $\pm$ 0.000 χ^2 /NDF: 810388.6/38

0.004 $\pm$ 0.000 χ^2 /NDF: 313698.0/20

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.656+/-0.000 χ^2/NDF : 0.0/0

Right Out: -0.102+/-0.000 χ^2/NDF : 5566142794.2/19

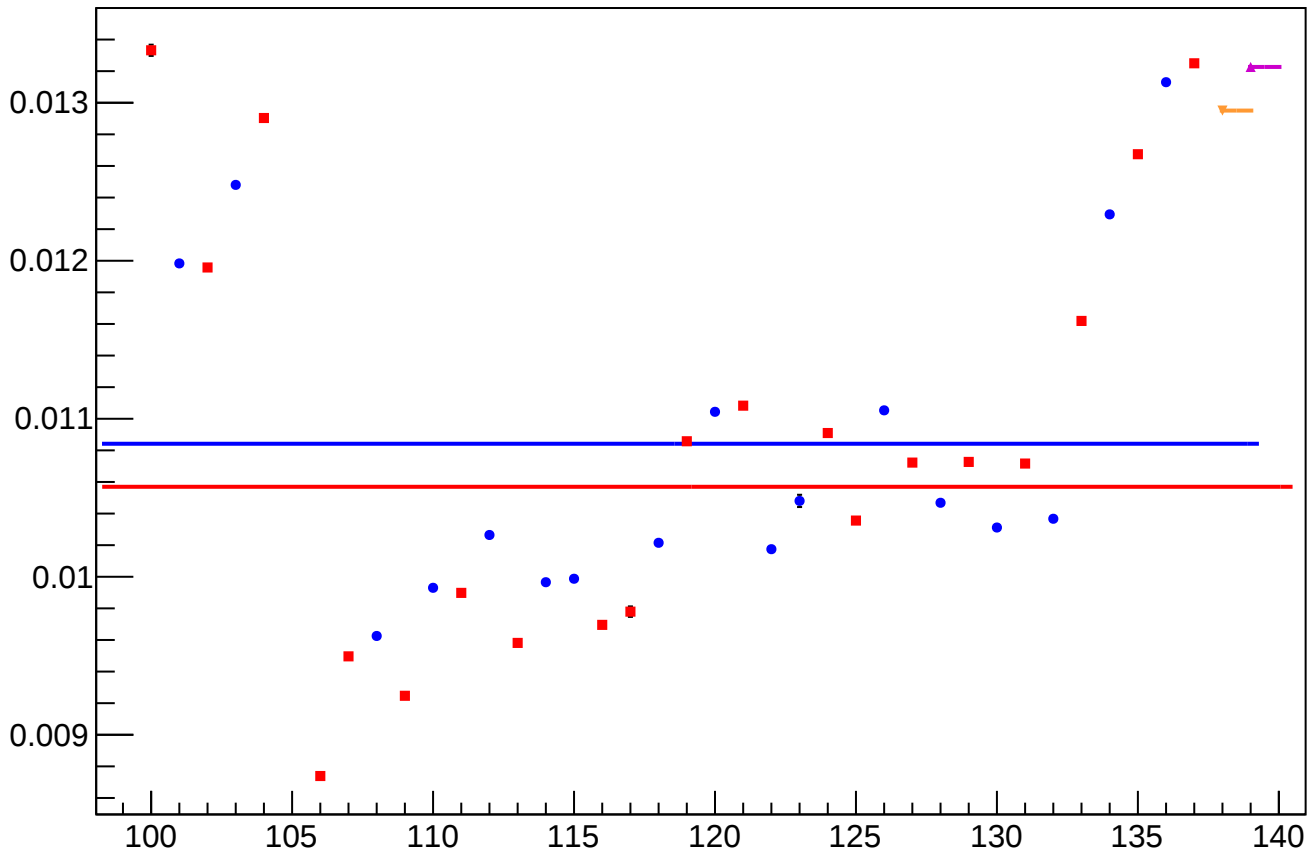
Left In: -2.626+/-0.000 χ^2/NDF : 0.0/0

-0.269+/-0.000 χ^2/NDF : 31481285843.9/17

-0.258+/-0.000 χ^2/NDF : 60330478272.4/3

-0.248+/-0.000 χ^2/NDF : 28835205126.8/20

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.013+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.011+/-0.000 χ^2/NDF : 179537.7/19

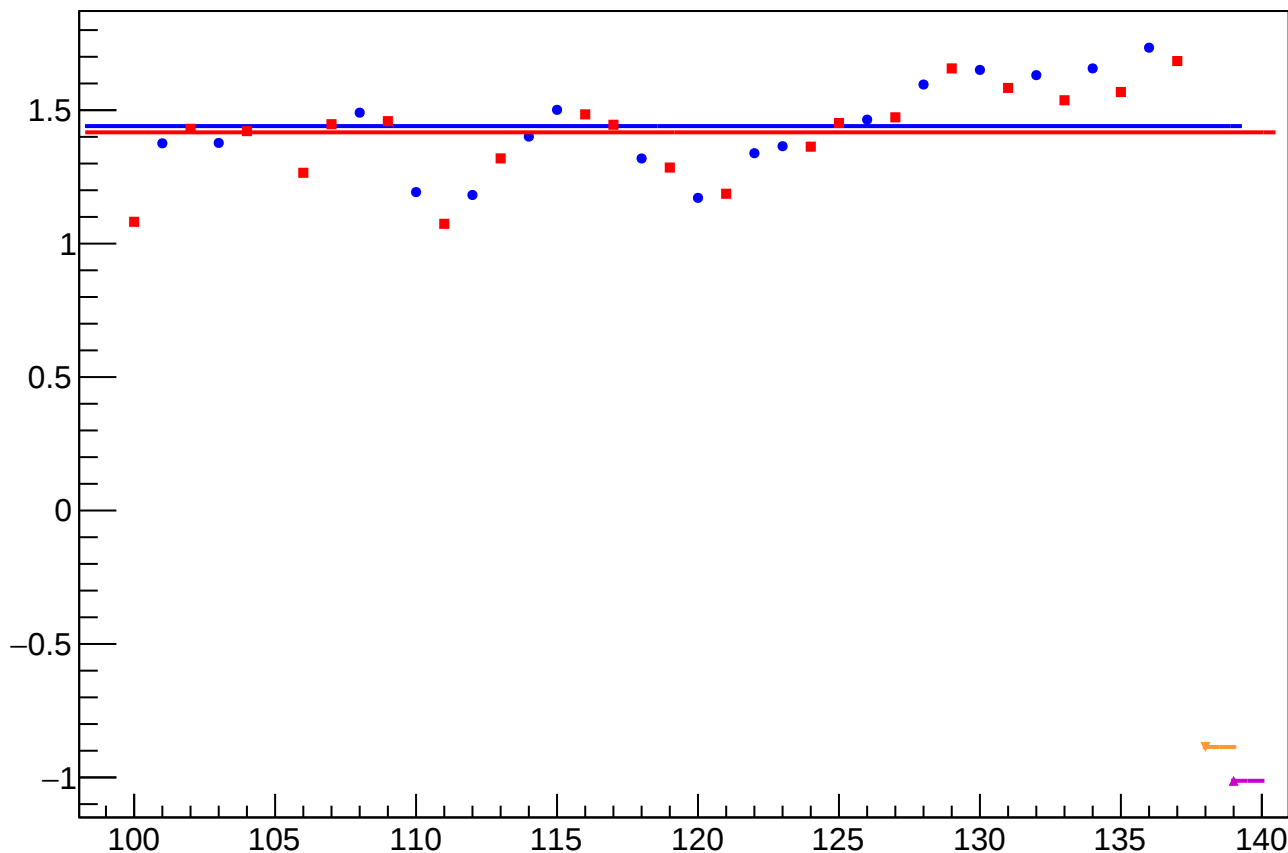
Left In: 0.013+/-0.000 χ^2/NDF : 0.0/0

0.011+/-0.000 χ^2/NDF : 159934.1/17

0.011+/-0.000 χ^2/NDF : 395641.1/38

0.011+/-0.000 χ^2/NDF : 231110.2/20

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.886 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674679406.4/19

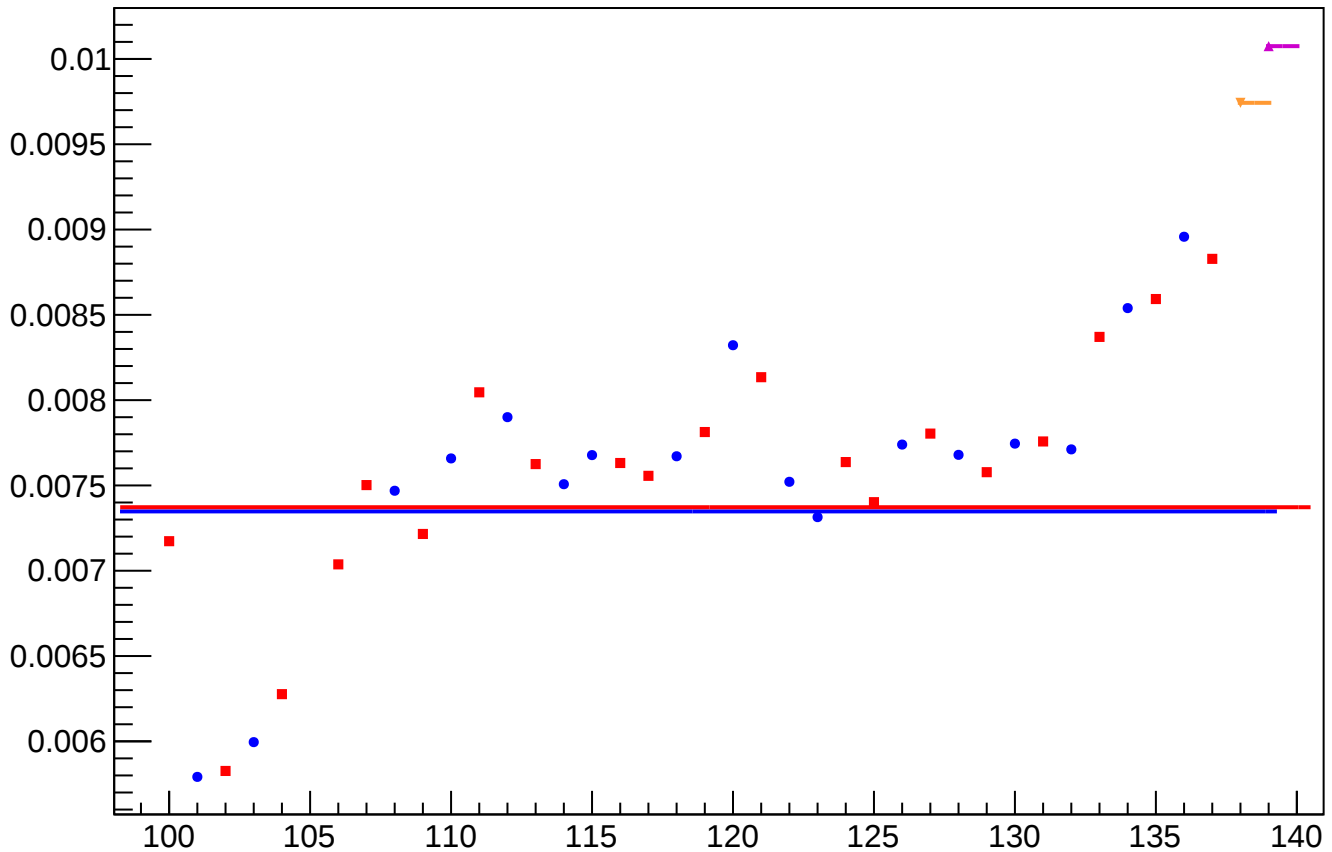
Left In: -1.013 $\pm$ 0.000 χ^2 /NDF: 0.0/0

1.302 $\pm$ 0.000 χ^2 /NDF: 42677512072.5/17

1.300 $\pm$ 0.000 χ^2 /NDF: 82916039119.4/3

1.298 $\pm$ 0.000 χ^2 /NDF: 40237338426.7/20

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 228163.6/16

Left Out: 0.010+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.007+/-0.000 χ^2/NDF : 172741.0/19

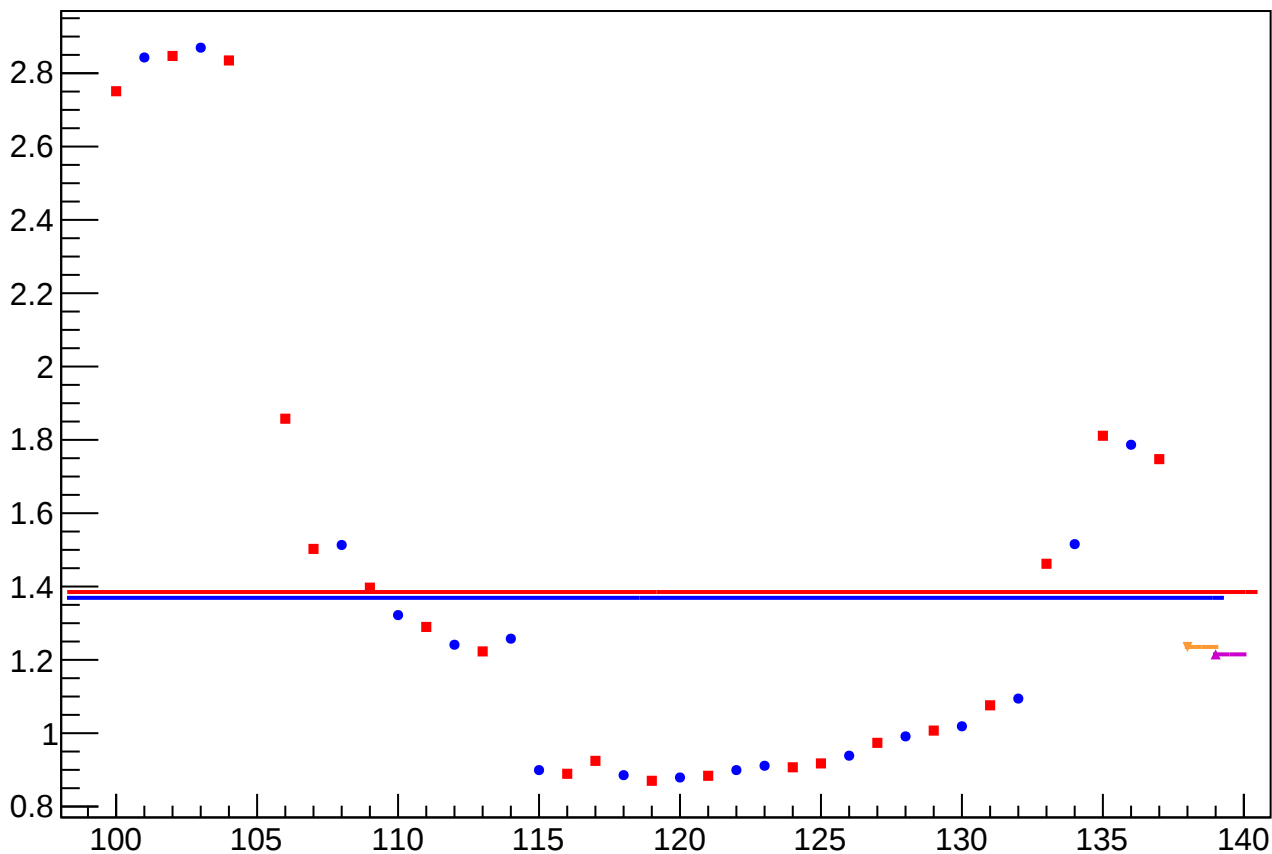
Left In: 0.010+/-0.000 χ^2/NDF : 0.0/0

0.007+/-0.000 χ^2/NDF : 311328.8/17

0.007+/-0.000 χ^2/NDF : 577077.1/38

0.008+/-0.000 χ^2/NDF : 265719.8/20

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.369+/-0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.235+/-0.000 χ^2/NDF : 0.0/0

Right Out: 1.385+/-0.000 χ^2/NDF : 50114562617.6/19

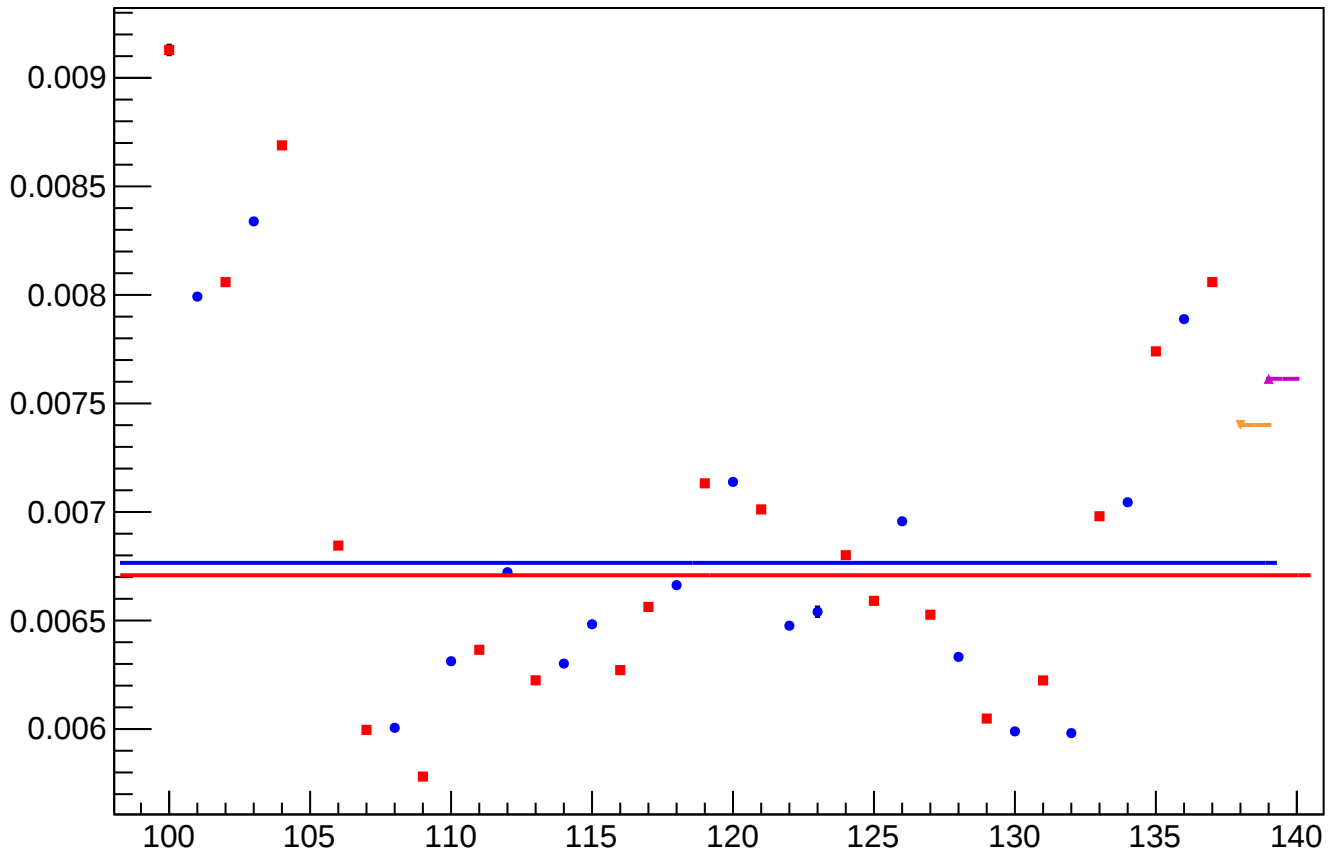
Left In: 1.215+/-0.000 χ^2/NDF : 0.0/0

1.358+/-0.000 χ^2/NDF : 54422429891.6/17

1.366+/-0.000 χ^2/NDF : 104870161992.4/17

1.373+/-0.000 χ^2/NDF : 50428708197.2/20

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 159554.9/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 187869.7/19

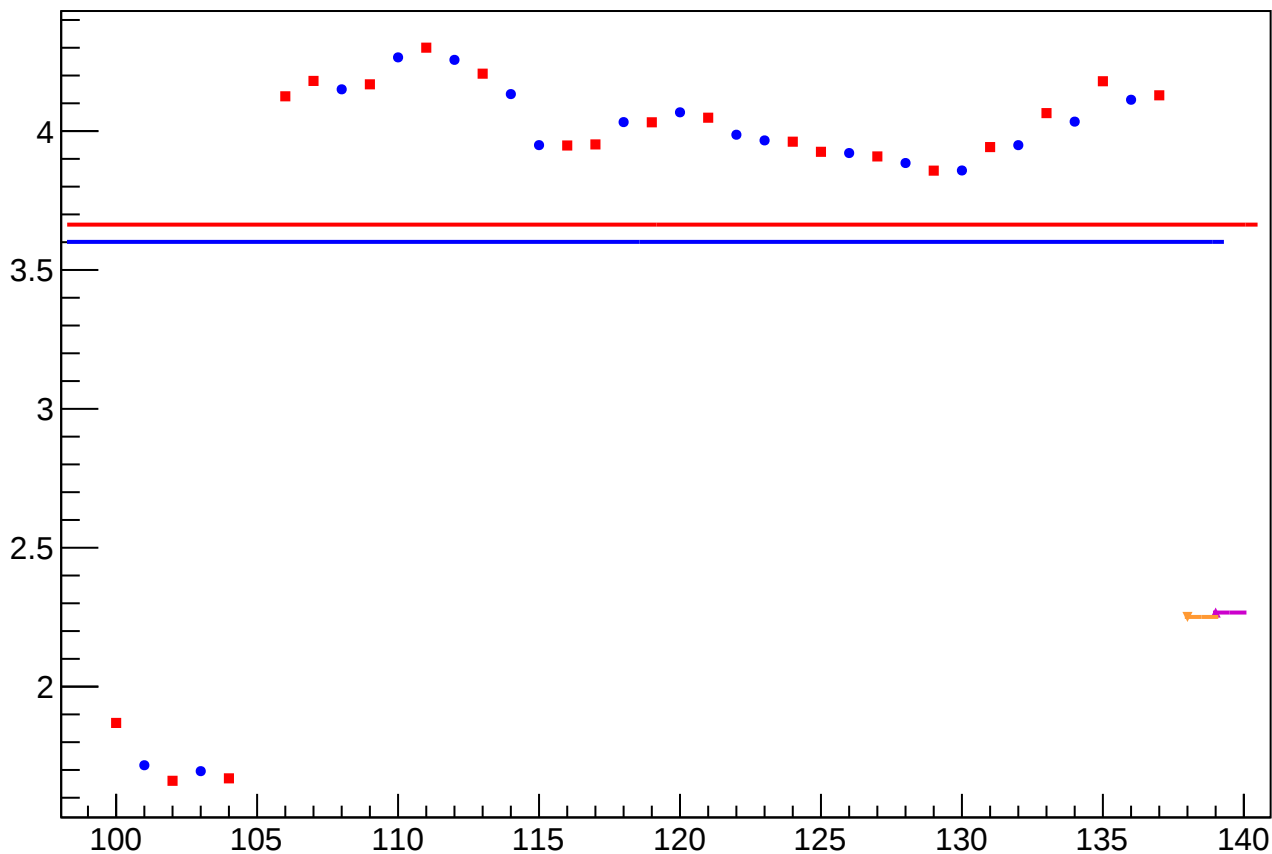
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.007 $\pm$ 0.000 χ^2 /NDF: 169307.1/17

0.007 $\pm$ 0.000 χ^2 /NDF: 375326.5/38

0.007 $\pm$ 0.000 χ^2 /NDF: 205650.7/20

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.601+/-0.000 χ^2/NDF : 185806937655.3/16

Left Out: 2.251+/-0.000 χ^2/NDF : 0.0/0

Right Out: 3.663+/-0.000 χ^2/NDF : 192640409625.9/19

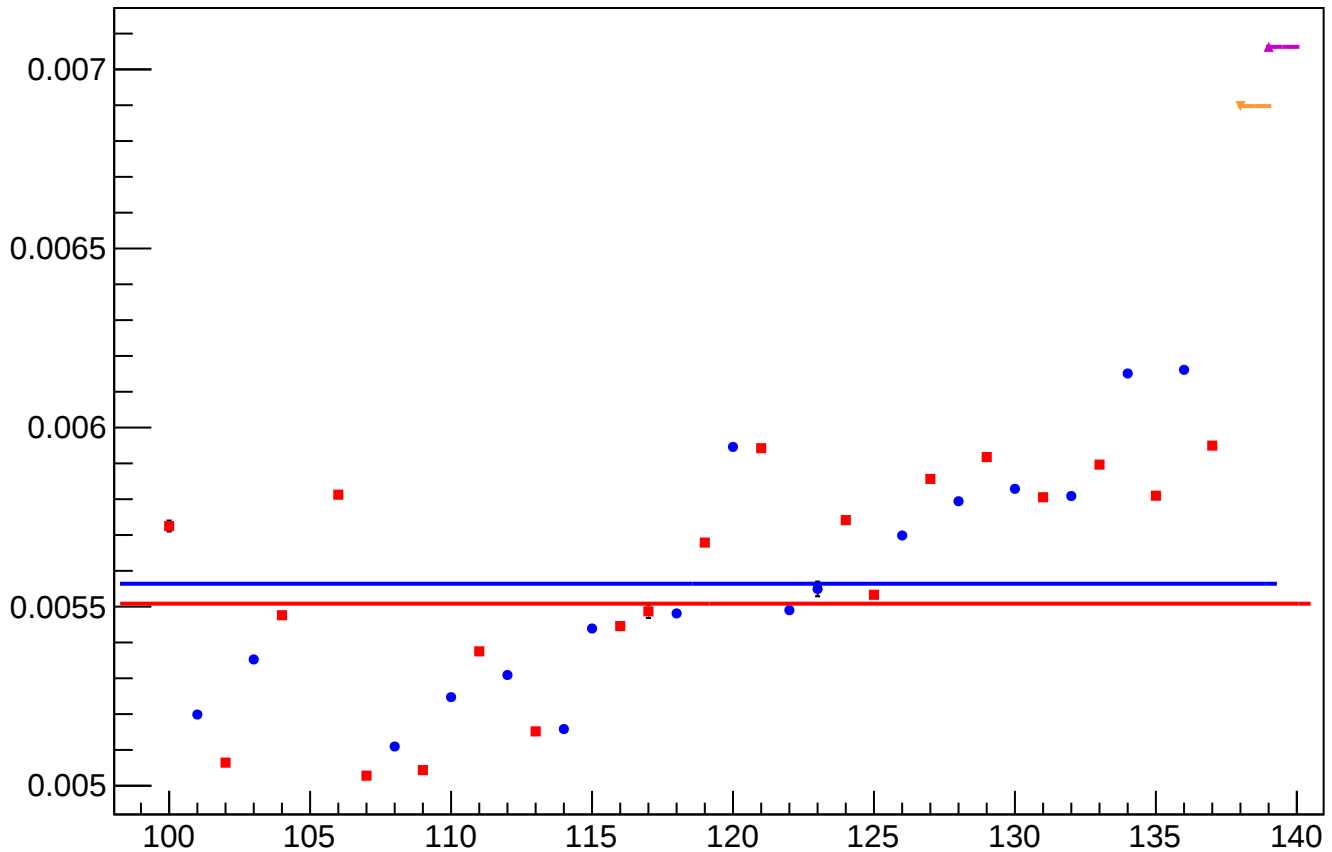
Left In: 2.267+/-0.000 χ^2/NDF : 0.0/0

3.512+/-0.000 χ^2/NDF : 211704923976.4/17

3.550+/-0.000 χ^2/NDF : 429981200793.4/17

3.586+/-0.000 χ^2/NDF : 217637428924.9/20

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 : 0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF : 52636.1/19

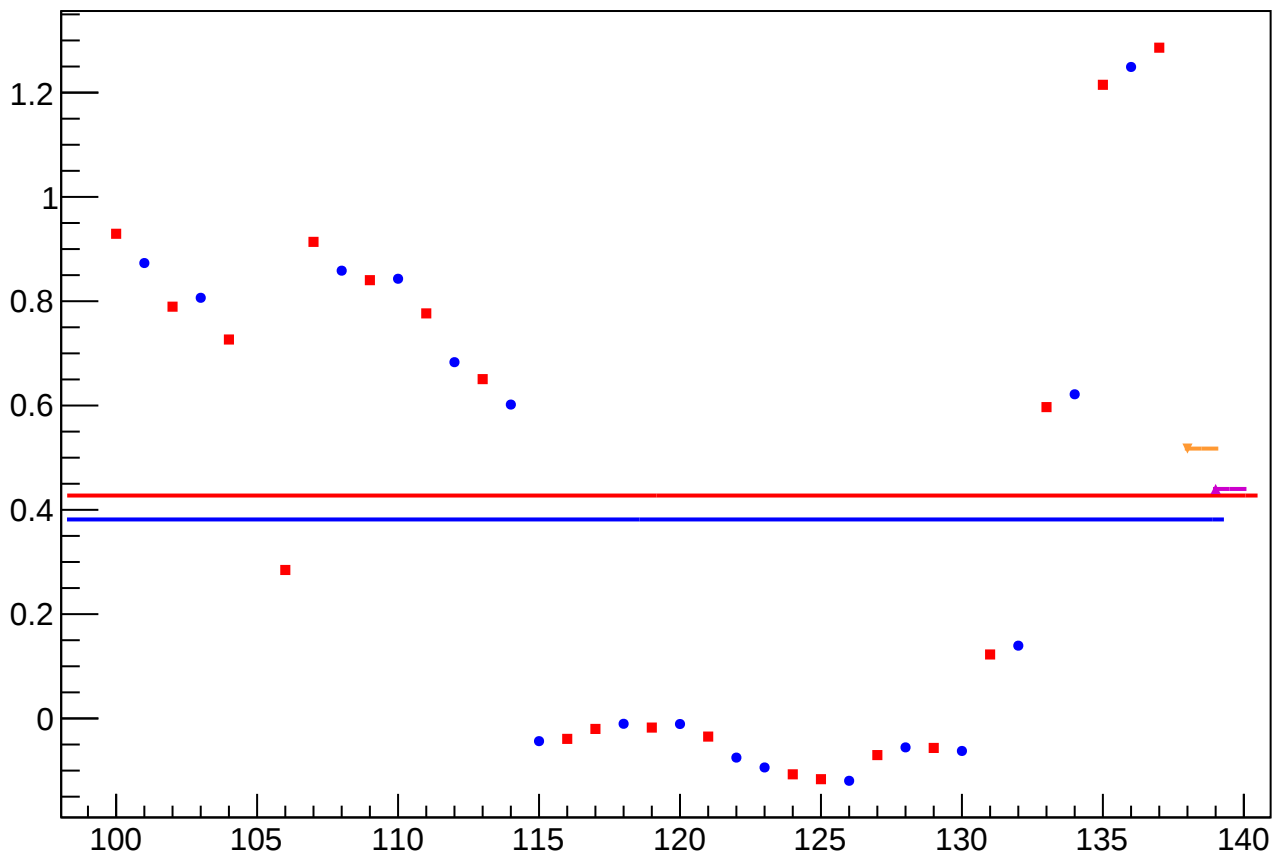
Left In: 0.007+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 98116.7/17

0.006+/-0.000 χ^2/NDF : 213478.8/38

0.006+/-0.000 χ^2/NDF : 114589.0/20

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.382 $\pm$ 0.000 χ^2 /NDF: 7124759123.1/16

Left Out: 0.517 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.427 $\pm$ 0.000 χ^2 /NDF: 6716521382.4/19

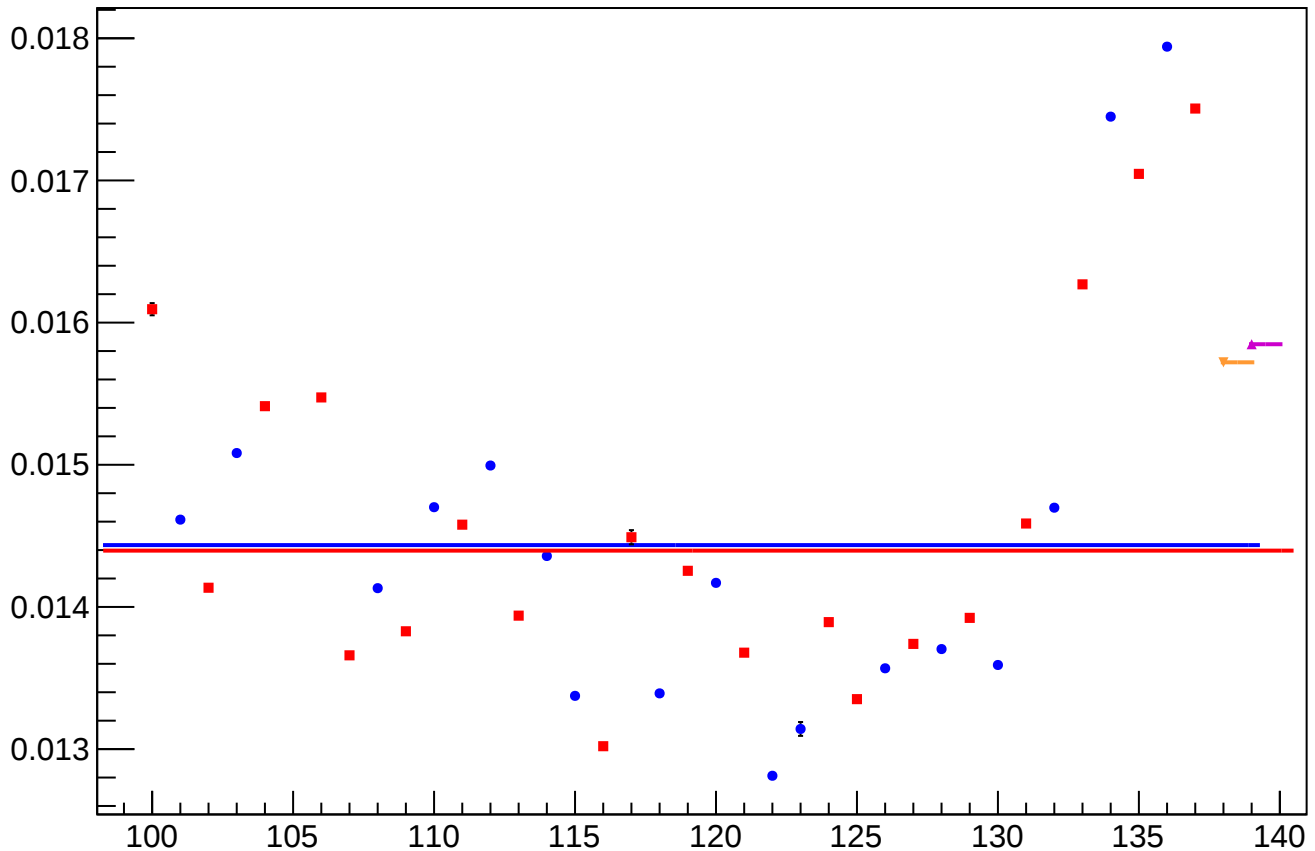
Left In: 0.440 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.393 $\pm$ 0.000 χ^2 /NDF: 7174063593.8/17

0.411 $\pm$ 0.000 χ^2 /NDF: 13913229145.2/3

0.428 $\pm$ 0.000 χ^2 /NDF: 6716918793.1/20

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 110224.4/16

Left Out: 0.016+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.014+/-0.000 χ^2/NDF : 74535.1/19

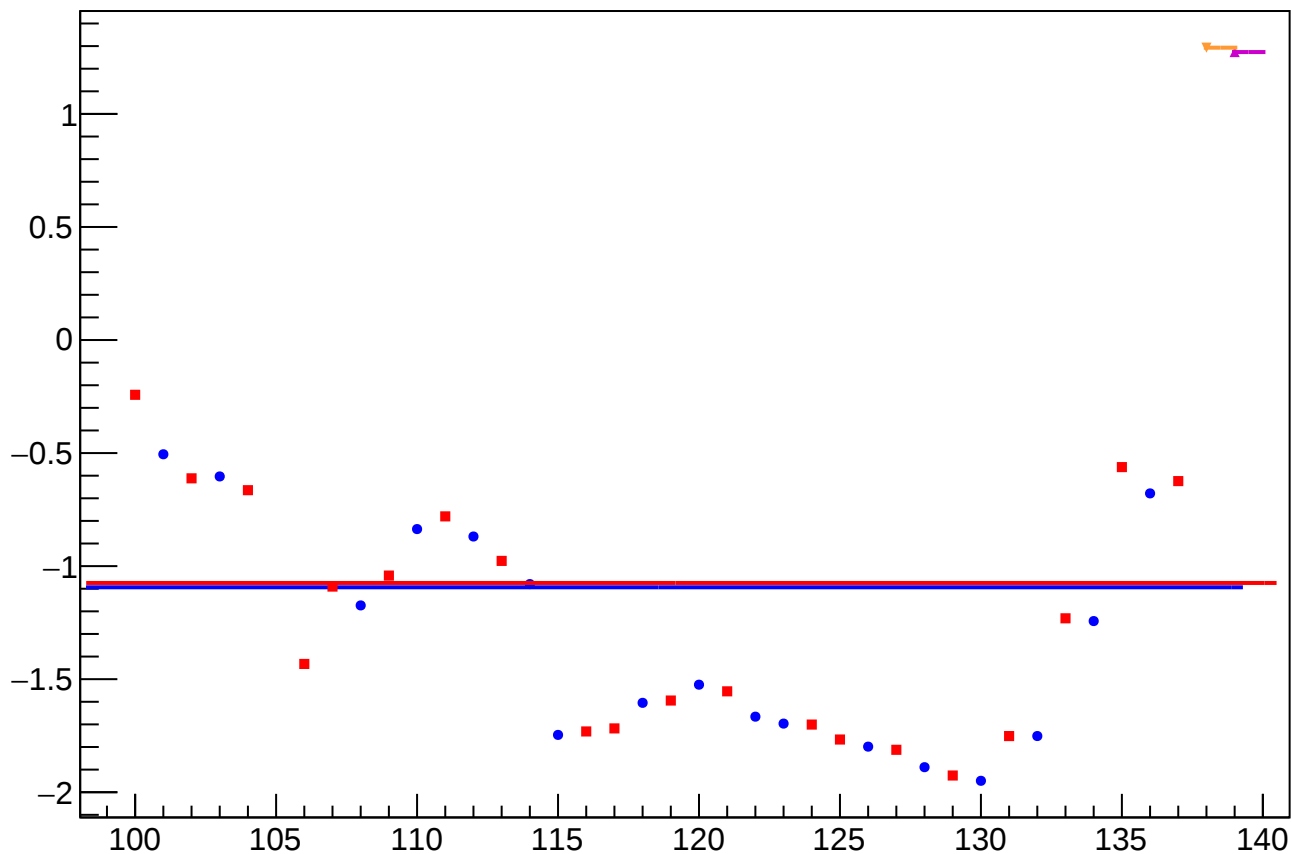
Left In: 0.016+/-0.000 χ^2/NDF : 0.0/0

0.015+/-0.000 χ^2/NDF : 119050.5/17

0.015+/-0.000 χ^2/NDF : 204158.2/38

0.015+/-0.000 χ^2/NDF : 85052.7/20

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.094 ± 0.000 χ^2/NDF : 55960104370.4/16

Left Out: 1.293 ± 0.000 χ^2/NDF : 0.0/0

-0.610 ± 0.000 χ^2/NDF : 265546362609.0/17

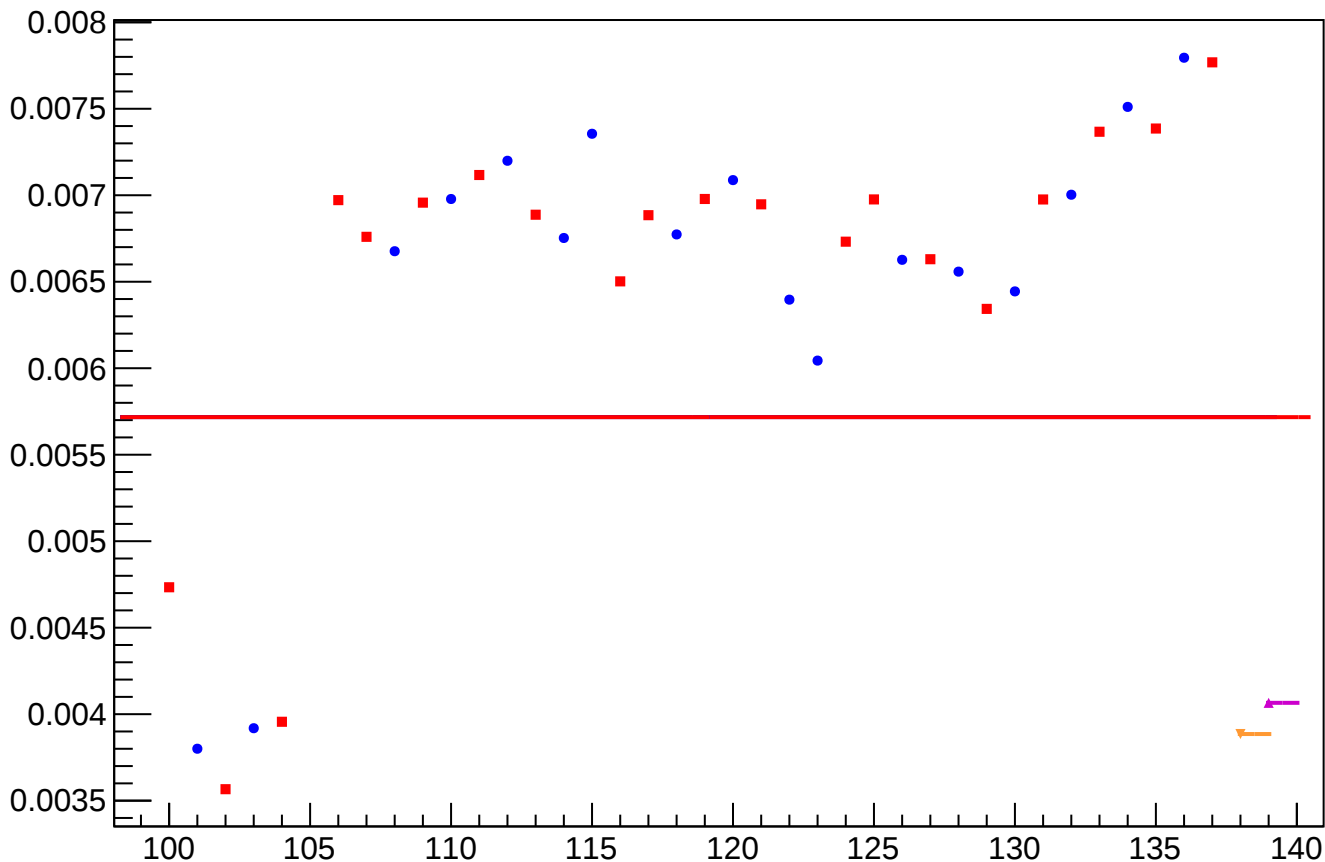
Right Out: -1.074 ± 0.000 χ^2/NDF : 47208439320.8/19

-0.641 ± 0.000 χ^2/NDF : 492529474281.0

-0.672 ± 0.000 χ^2/NDF : 226553089633.3/20

Left In: 1.274 ± 0.000 χ^2/NDF : 0.0/0

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 : 0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF : 925957.4/19

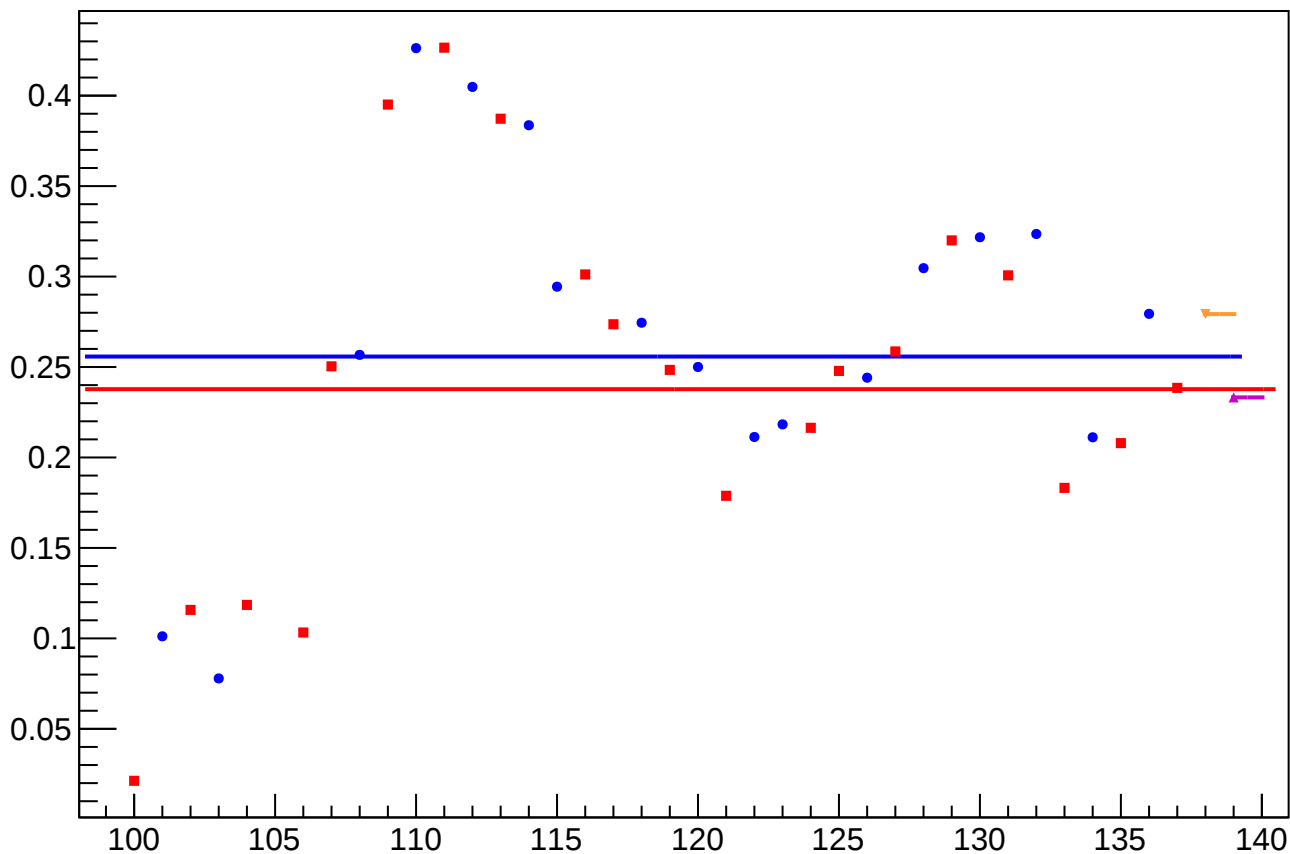
Left In: 0.004+/-0.000 χ^2/NDF : 0.0/0

0.005+/-0.000 χ^2/NDF : 1084829.6/17

0.005+/-0.000 χ^2/NDF : 2189977.9/38

0.005+/-0.000 χ^2/NDF : 1103402.7/20

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.256+/-0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.279+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.238+/-0.000 χ^2/NDF : 26077768189.7/19

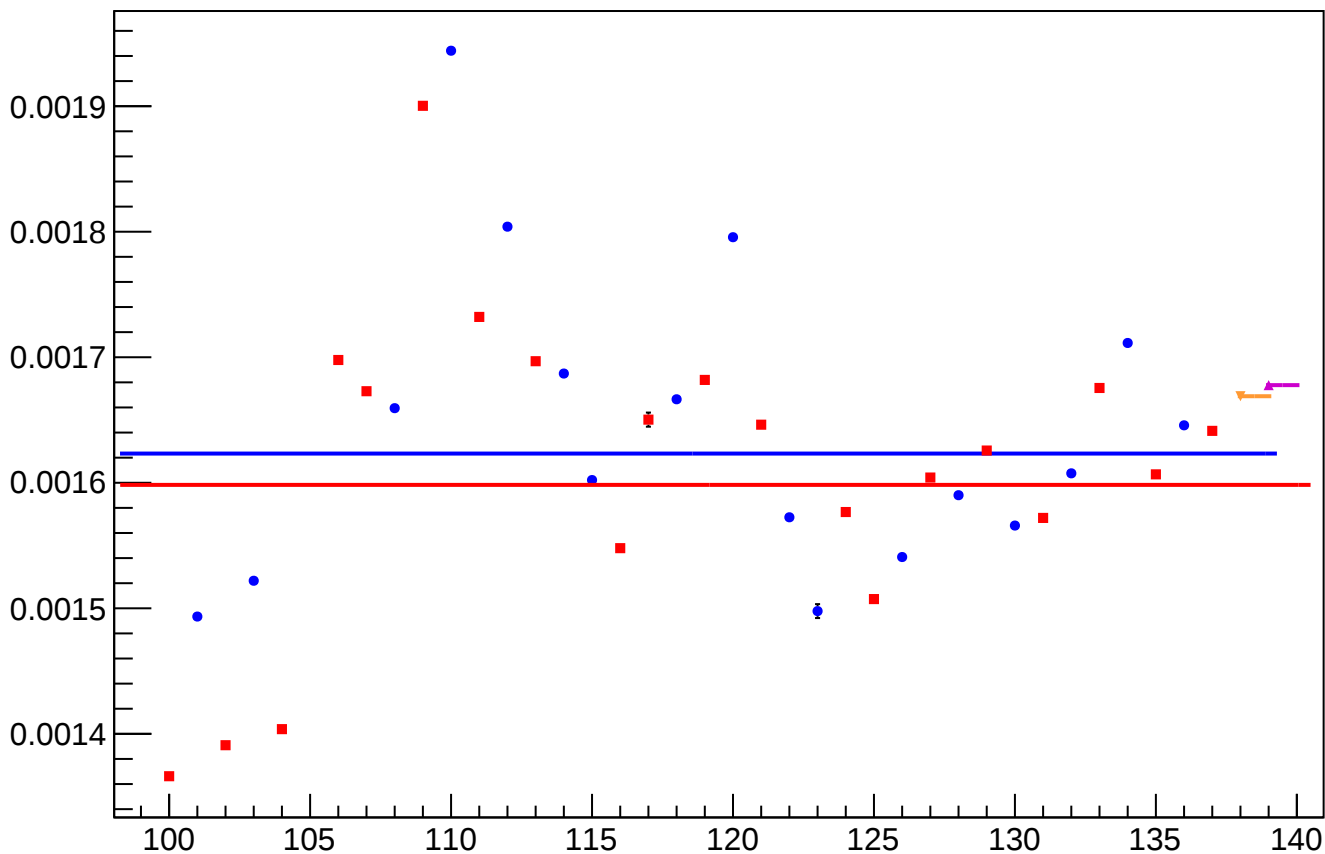
Left In: 0.233+/-0.000 χ^2/NDF : 0.0/0

0.258+/-0.000 χ^2/NDF : 21495742868.4/17

0.247+/-0.000 χ^2/NDF : 48184144682.5/3

0.237+/-0.000 χ^2/NDF : 26082340634.2/20

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 : 0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF : 90764.4/19

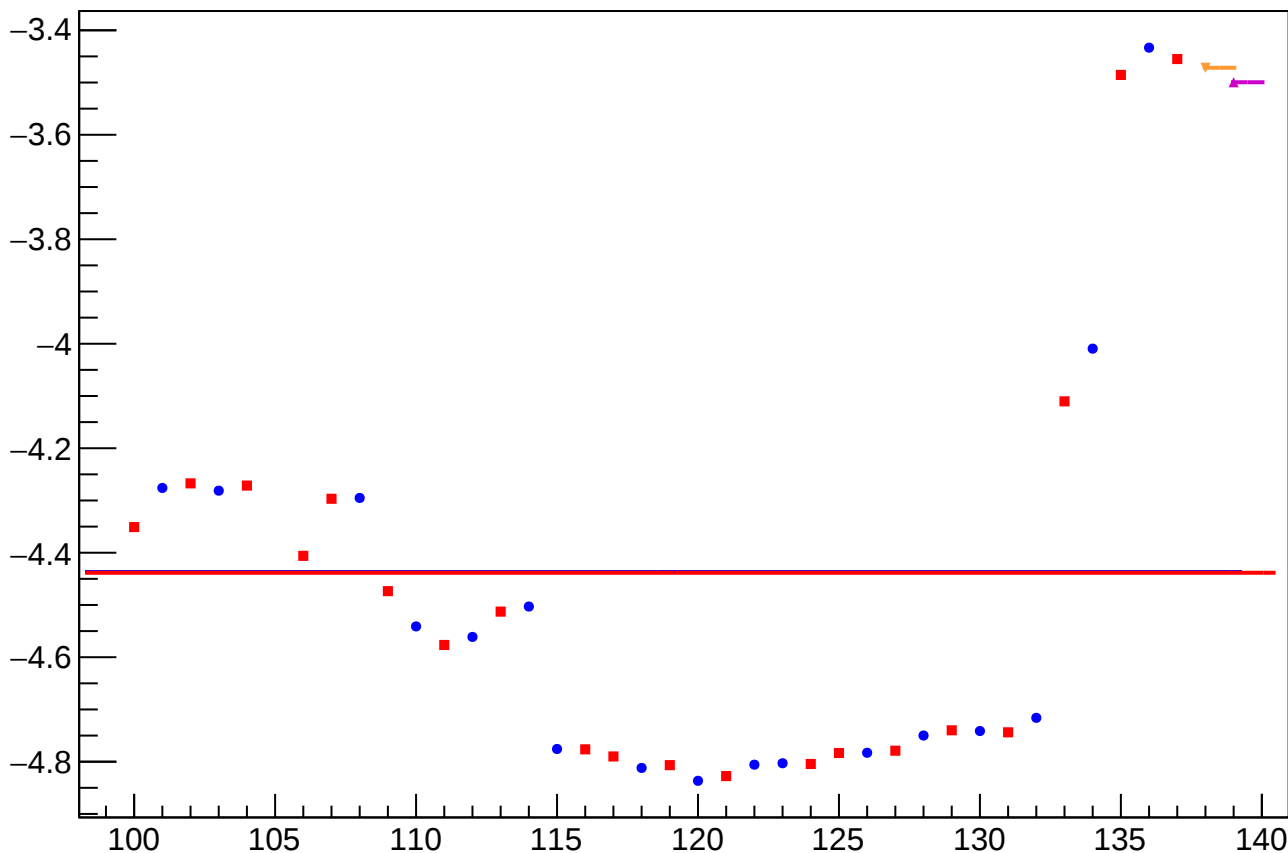
Left In: 0.002+/-0.000 χ^2/NDF : 0.0/0

0.002+/-0.000 χ^2/NDF : 53455.7/17

0.002+/-0.000 χ^2/NDF : 148506.4/38

0.002+/-0.000 χ^2/NDF : 93555.1/20

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.437+/-0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.472+/-0.000 χ^2/NDF : 0.0/0

-4.336+/-0.000 χ^2/NDF : 587679974781.2/17

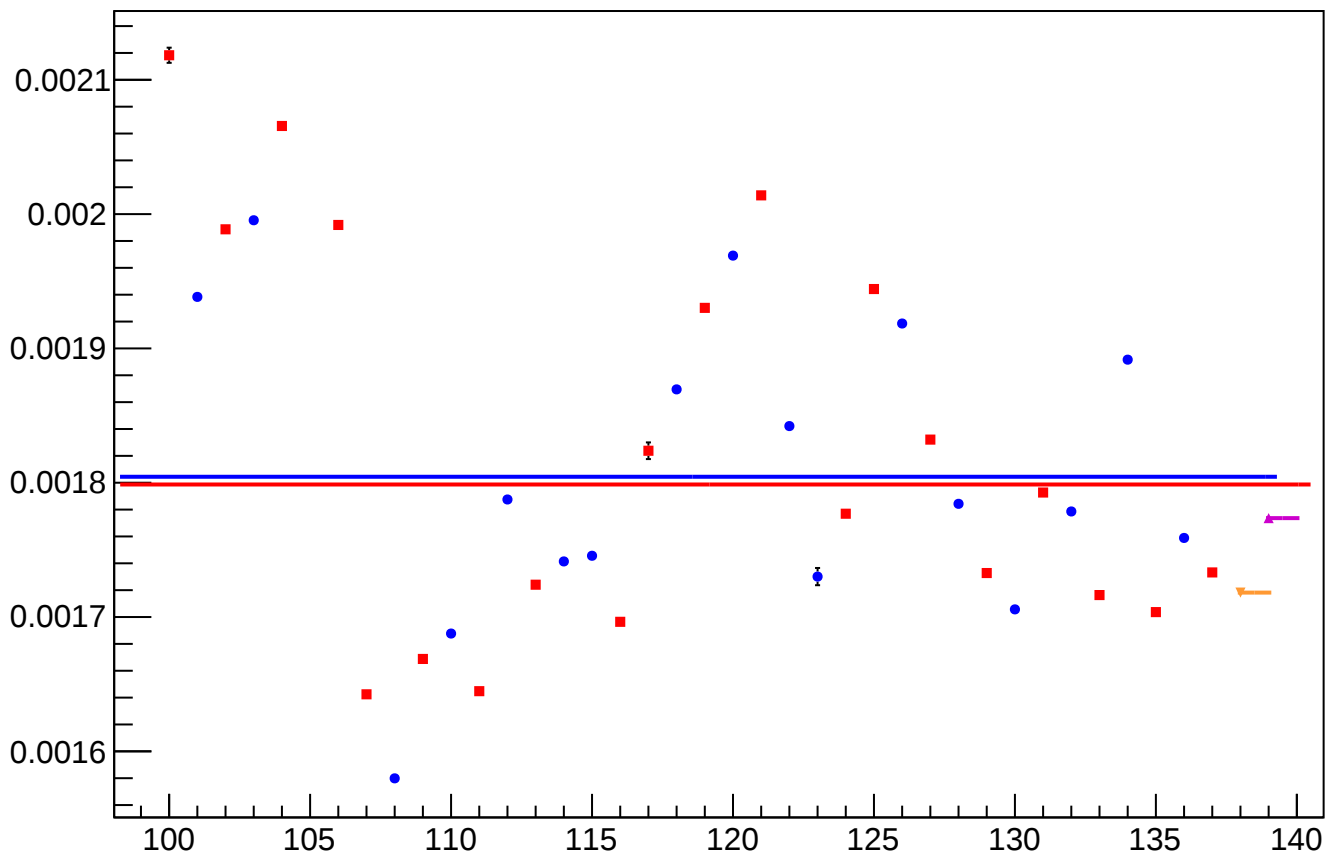
Right Out: -4.438+/-0.000 χ^2/NDF : 326800745779.7/19

-4.345+/-0.000 χ^2/NDF : 1084616329001.2/18

-4.354+/-0.000 χ^2/NDF : 496574969917.8/20

Left In: -3.499+/-0.000 χ^2/NDF : 0.0/0

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 : 0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF : 81037.5/19

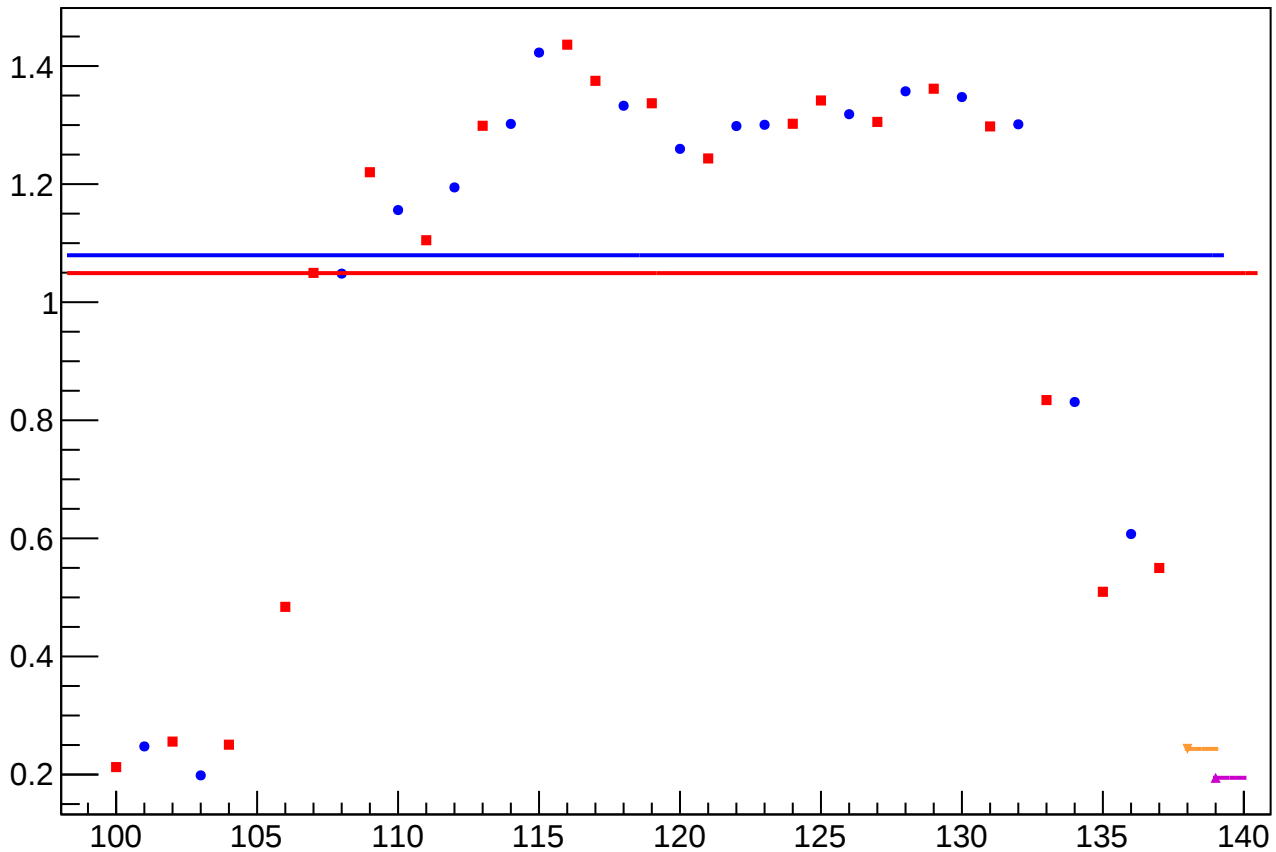
Left In: 0.002+/-0.000 χ^2/NDF : 0.0/0

0.002+/-0.000 χ^2/NDF : 52214.5/17

0.002+/-0.000 χ^2/NDF : 133495.9/38

0.002+/-0.000 χ^2/NDF : 81279.0/20

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 1.080 $\pm$ 0.000 χ^2 /NDF: 17533321220.5/16

Left Out: 0.243 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 1.049 $\pm$ 0.000 χ^2 /NDF: 19787986428.4/19

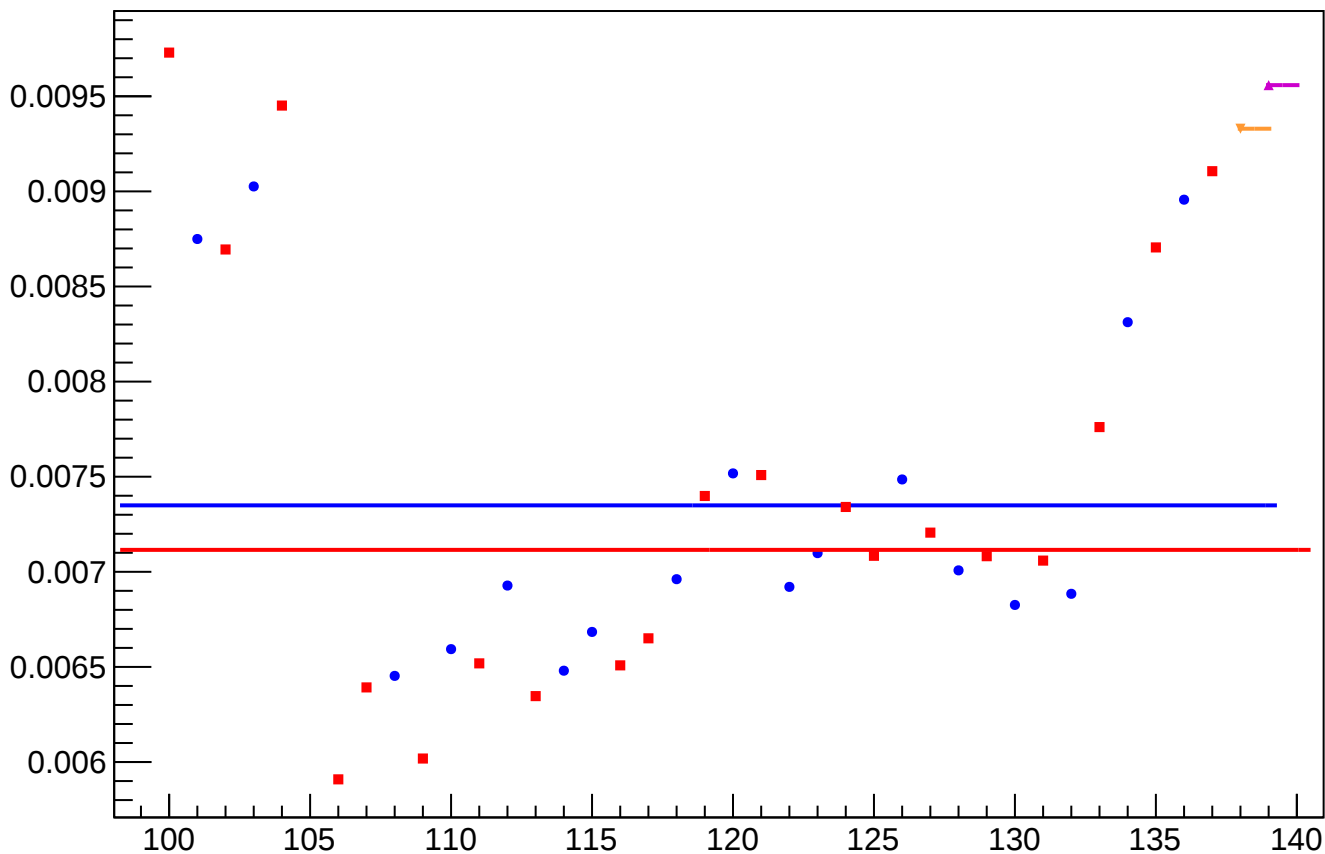
Left In: 0.194 $\pm$ 0.000 χ^2 /NDF: 0.0/0

1.026 $\pm$ 0.000 χ^2 /NDF: 22974324193.1/17

1.015 $\pm$ 0.000 χ^2 /NDF: 47938408346.5/3

1.006 $\pm$ 0.000 χ^2 /NDF: 24935162420.7/20

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 180818.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.007+/-0.000 χ^2/NDF : 259539.3/19

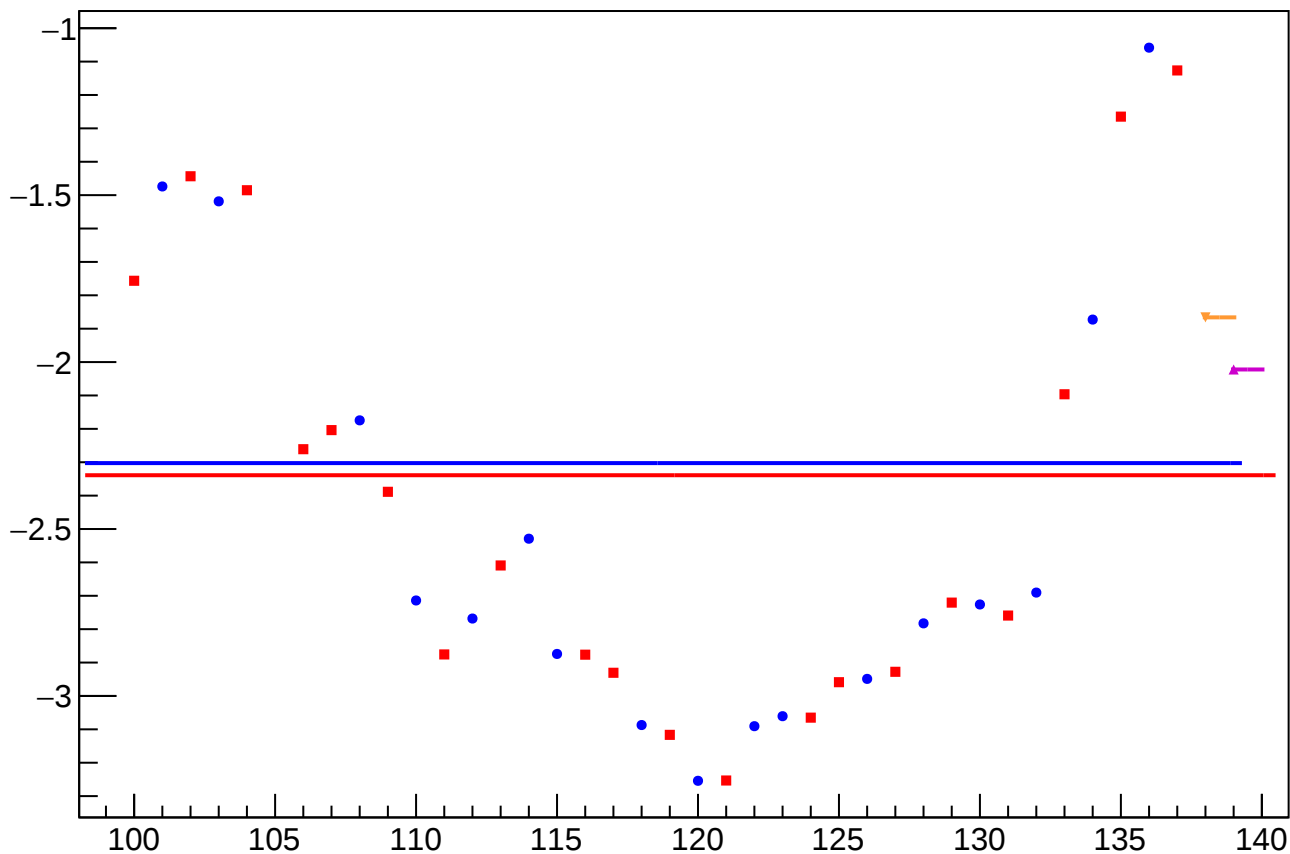
Left In: 0.010+/-0.000 χ^2/NDF : 0.0/0

0.007+/-0.000 χ^2/NDF : 241861.8/17

0.007+/-0.000 χ^2/NDF : 593182.7/38

0.007+/-0.000 χ^2/NDF : 343649.7/20

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.303 ± 0.000 χ^2/NDF : 73755914805.8/16

Left Out: -1.866 ± 0.000 χ^2/NDF : 0.0/0

Right Out: -2.339 ± 0.000 χ^2/NDF : 64804828308.5/19

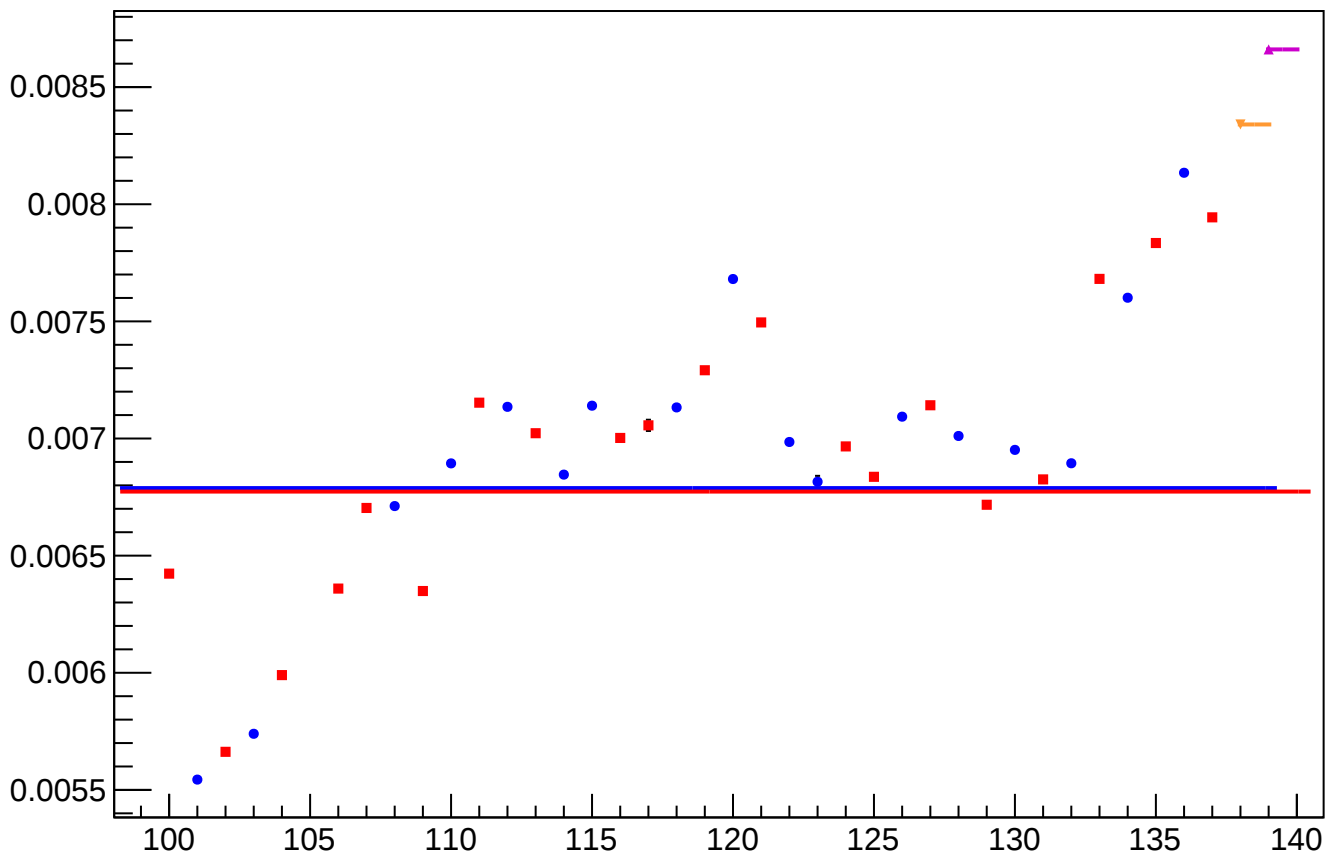
Left In: -2.022 ± 0.000 χ^2/NDF : 0.0/0

-2.273 ± 0.000 χ^2/NDF : 75623269967.3/17

-2.298 ± 0.000 χ^2/NDF : 141474179595.2

-2.321 ± 0.000 χ^2/NDF : 65663728780.6/20

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 165199.2/16

Left Out: 0.008+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.007+/-0.000 χ^2/NDF : 123383.6/19

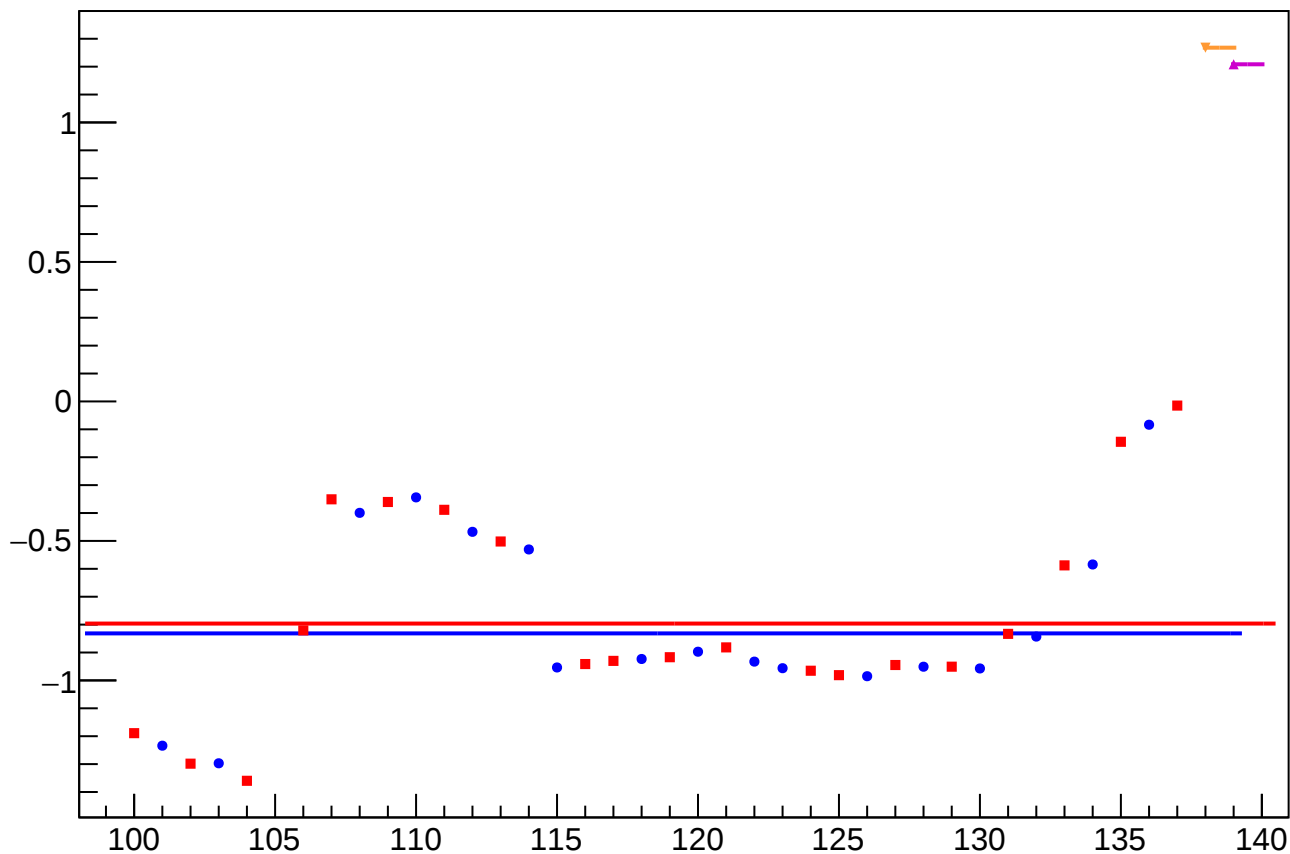
Left In: 0.009+/-0.000 χ^2/NDF : 0.0/0

0.007+/-0.000 χ^2/NDF : 212428.9/17

0.007+/-0.000 χ^2/NDF : 396842.9/38

0.007+/-0.000 χ^2/NDF : 184372.9/20

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF : 6692170860.9/16

Left Out: 1.268+/-0.000 χ^2/NDF : 0.0/0

Right Out: -0.796+/-0.000 χ^2/NDF : 7827622544.3/19

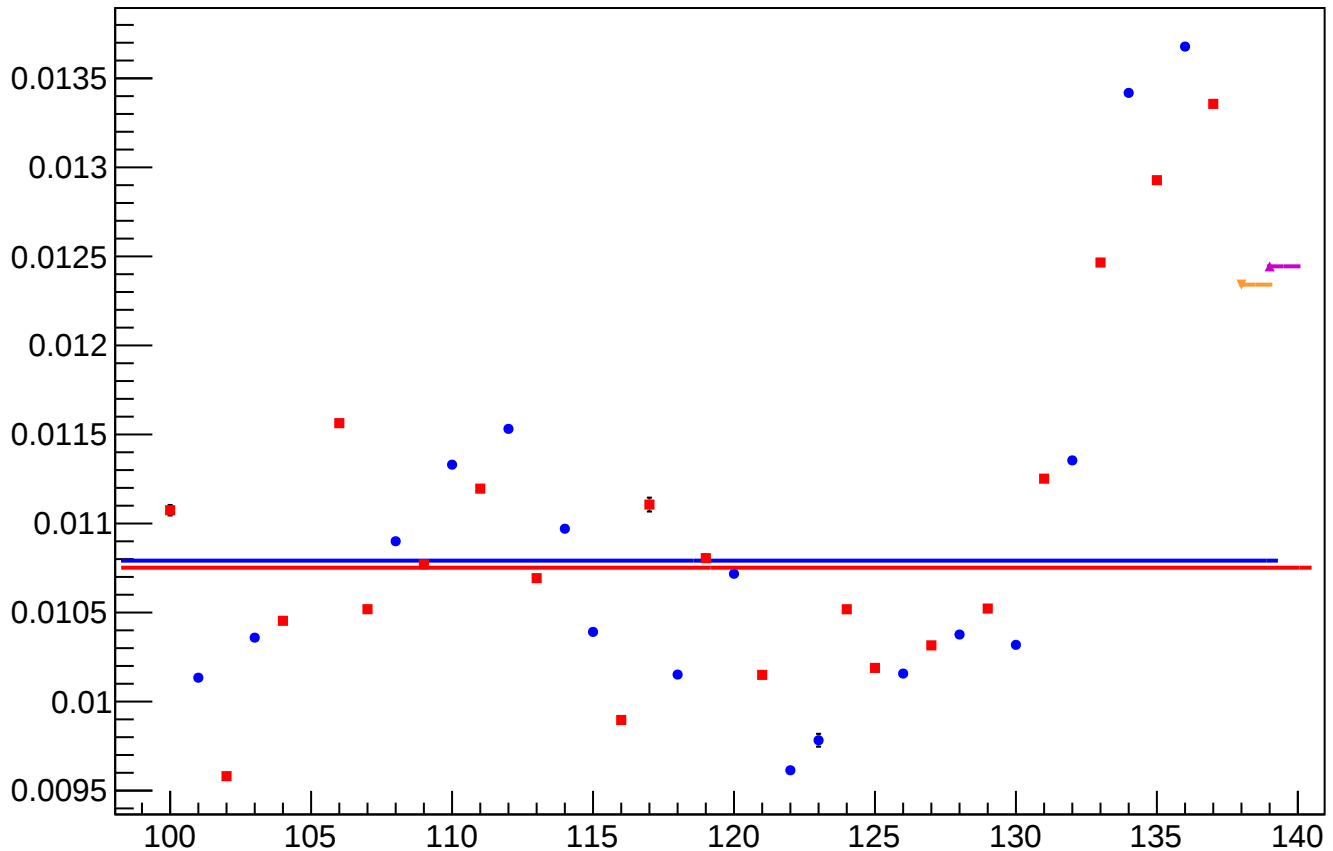
Left In: 1.208+/-0.000 χ^2/NDF : 0.0/0

-0.668+/-0.000 χ^2/NDF : 26002236367.1/17

-0.664+/-0.000 χ^2/NDF : 50199527430.9/20

-0.660+/-0.000 χ^2/NDF : 24195125617.5/20

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 125802.4/16

Left Out: 0.012+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.011+/-0.000 χ^2/NDF : 90303.3/19

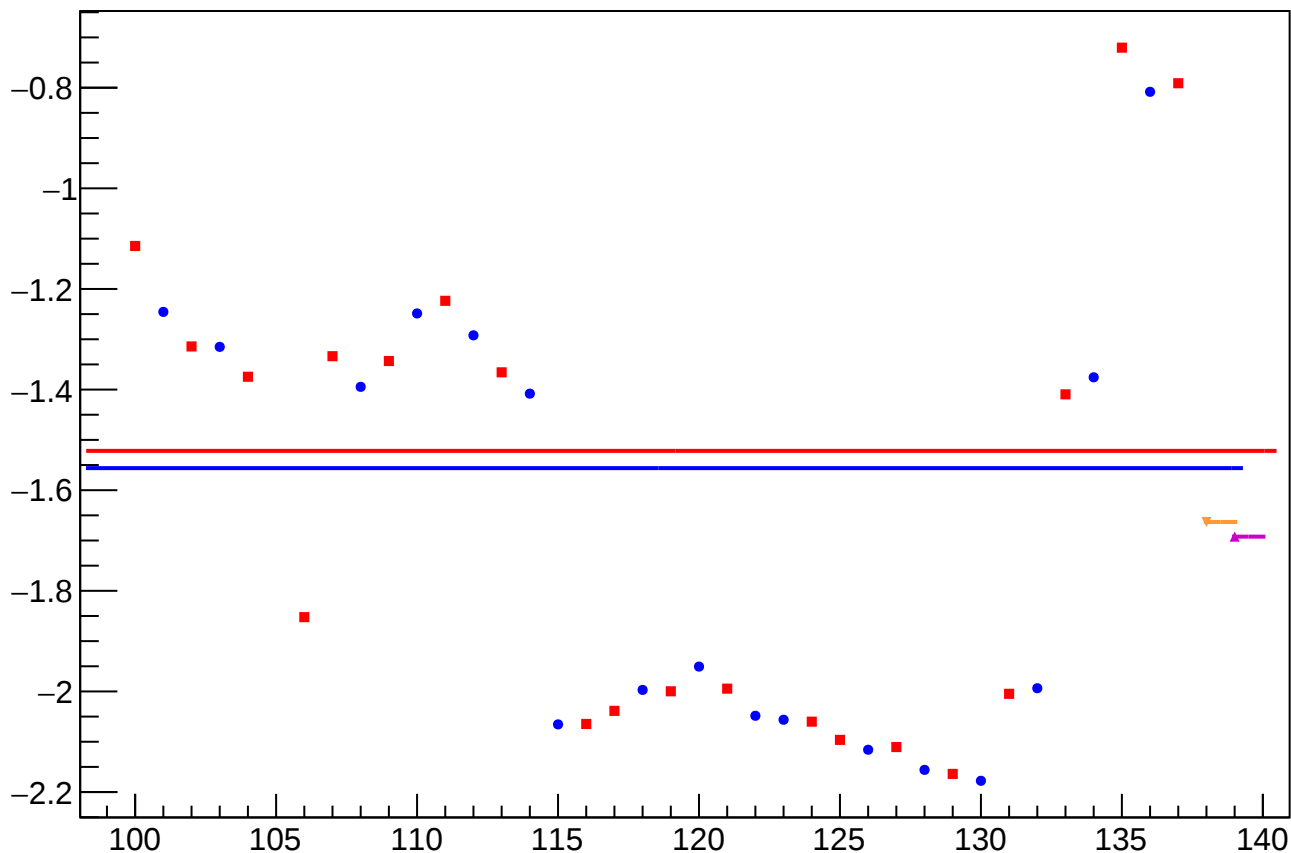
Left In: 0.012+/-0.000 χ^2/NDF : 0.0/0

0.011+/-0.000 χ^2/NDF : 146853.6/17

0.011+/-0.000 χ^2/NDF : 260610.2/38

0.011+/-0.000 χ^2/NDF : 113629.6/20

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: -1.663+/-0.000 χ^2/NDF : 0.0/0

-1.568+/-0.000 χ^2/NDF : 156033621082.7/17

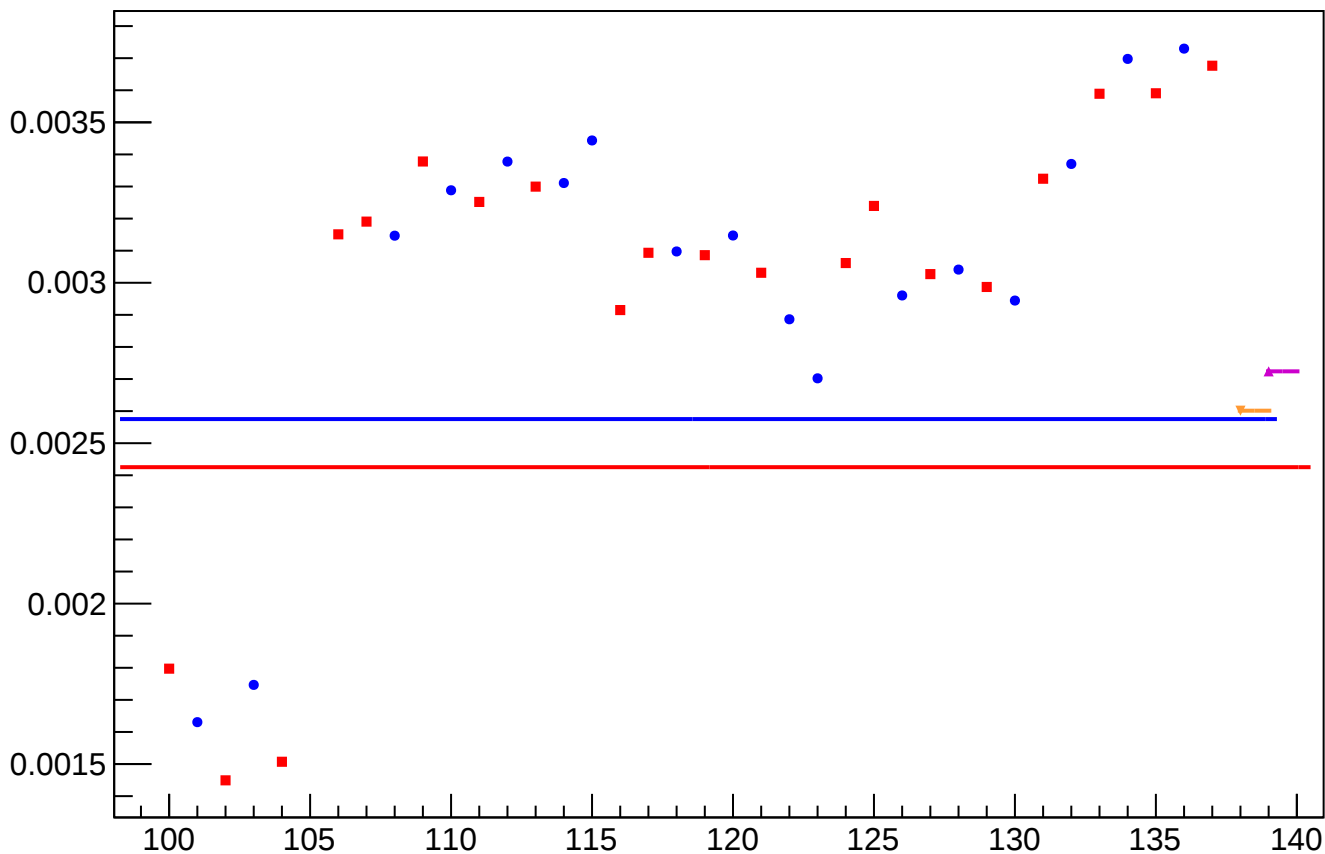
Right Out: -1.522+/-0.000 χ^2/NDF : 139385229659.4/19

-1.551+/-0.000 χ^2/NDF : 298268516671.9

-1.536+/-0.000 χ^2/NDF : 141728576016.1/20

Left In: -1.692+/-0.000 χ^2/NDF : 0.0/0

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 1013833.9/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 1493210.7/19

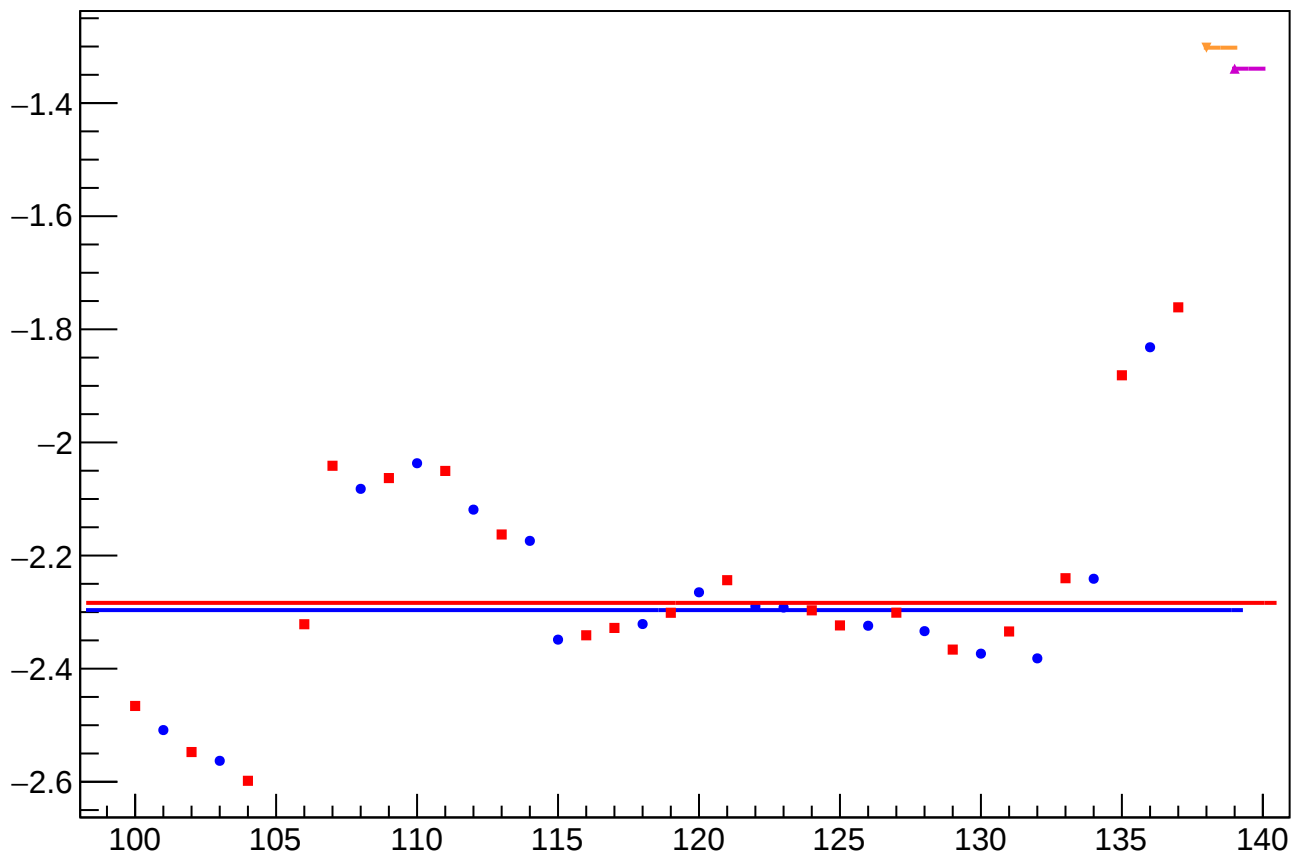
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.003 $\pm$ 0.000 χ^2 /NDF: 1013960.6/17

0.003 $\pm$ 0.000 χ^2 /NDF: 2537988.9/38

0.002 $\pm$ 0.000 χ^2 /NDF: 1507593.7/20

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -1.302+/-0.000 χ^2/NDF : 0.0/0

Right Out: -2.284+/-0.000 χ^2/NDF : 6550363990.6/19

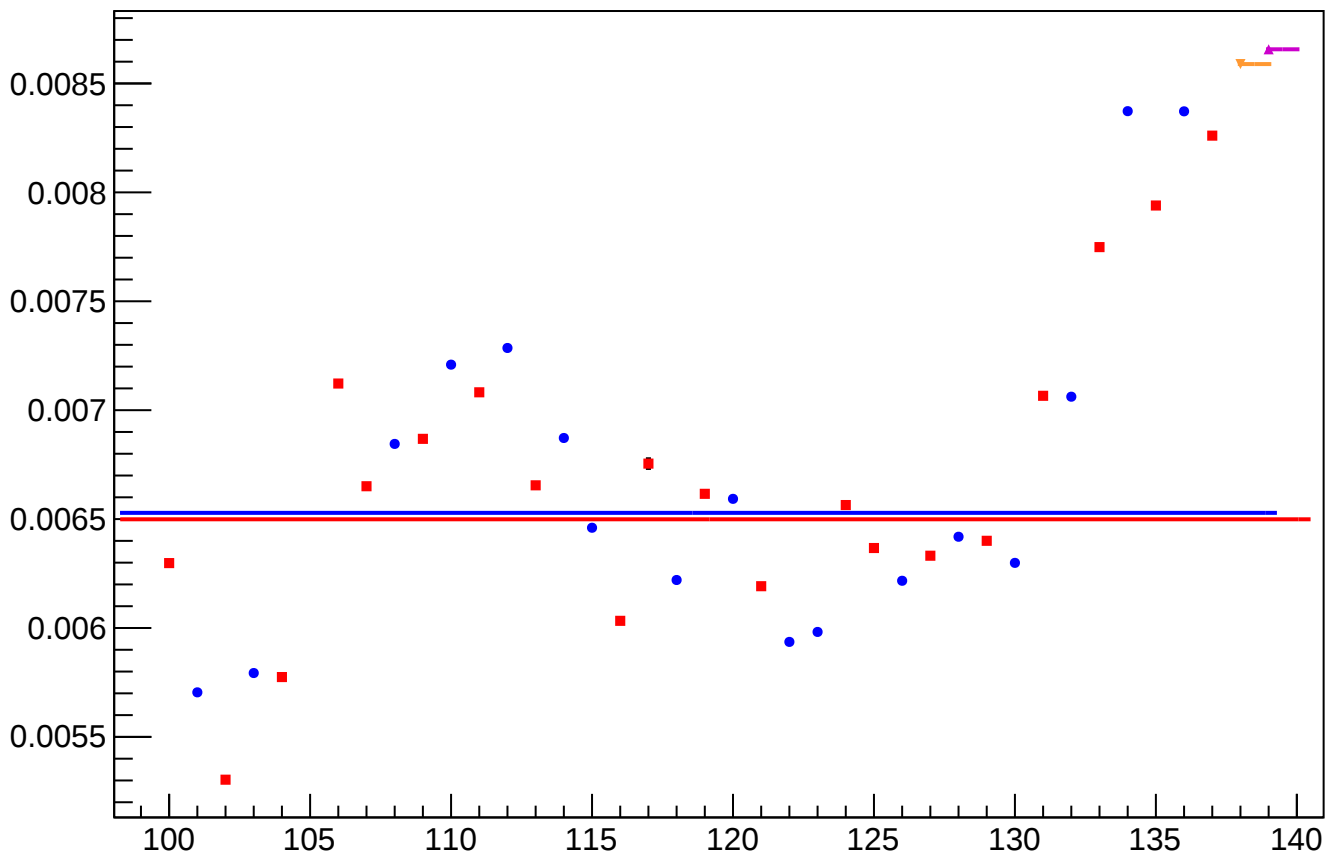
Left In: -1.339+/-0.000 χ^2/NDF : 0.0/0

-2.236+/-0.000 χ^2/NDF : 14874270546.0/17

-2.235+/-0.000 χ^2/NDF : 29028347842.4/3

-2.234+/-0.000 χ^2/NDF : 14153610886.3/20

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 : 0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF : 164253.8/19

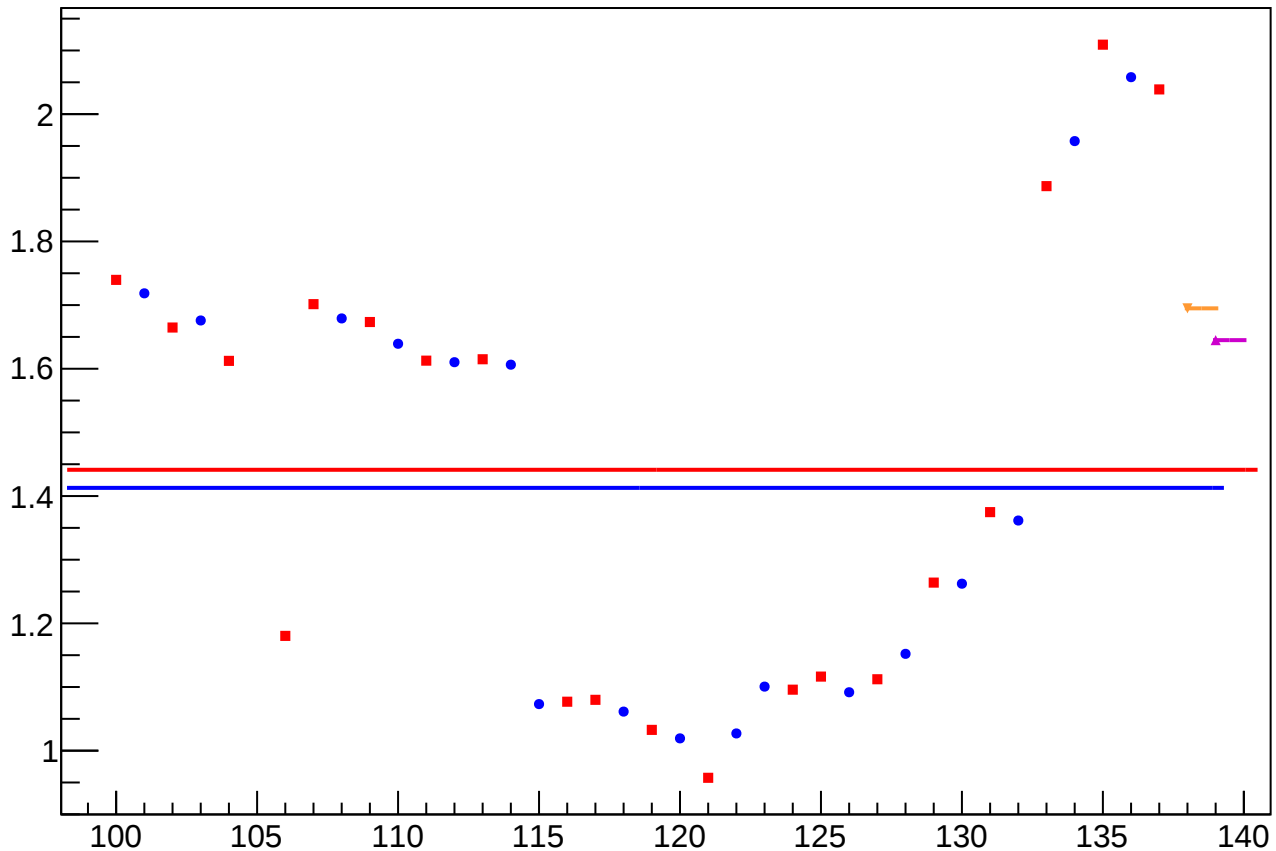
Left In: 0.009+/-0.000 χ^2/NDF : 0.0/0

0.007+/-0.000 χ^2/NDF : 254523.4/17

0.007+/-0.000 χ^2/NDF : 498421.0/38

0.007+/-0.000 χ^2/NDF : 243624.5/20

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 1.695+/-0.000 χ^2/NDF : 0.0/0

1.420+/-0.000 χ^2/NDF : 175520593165.6/17

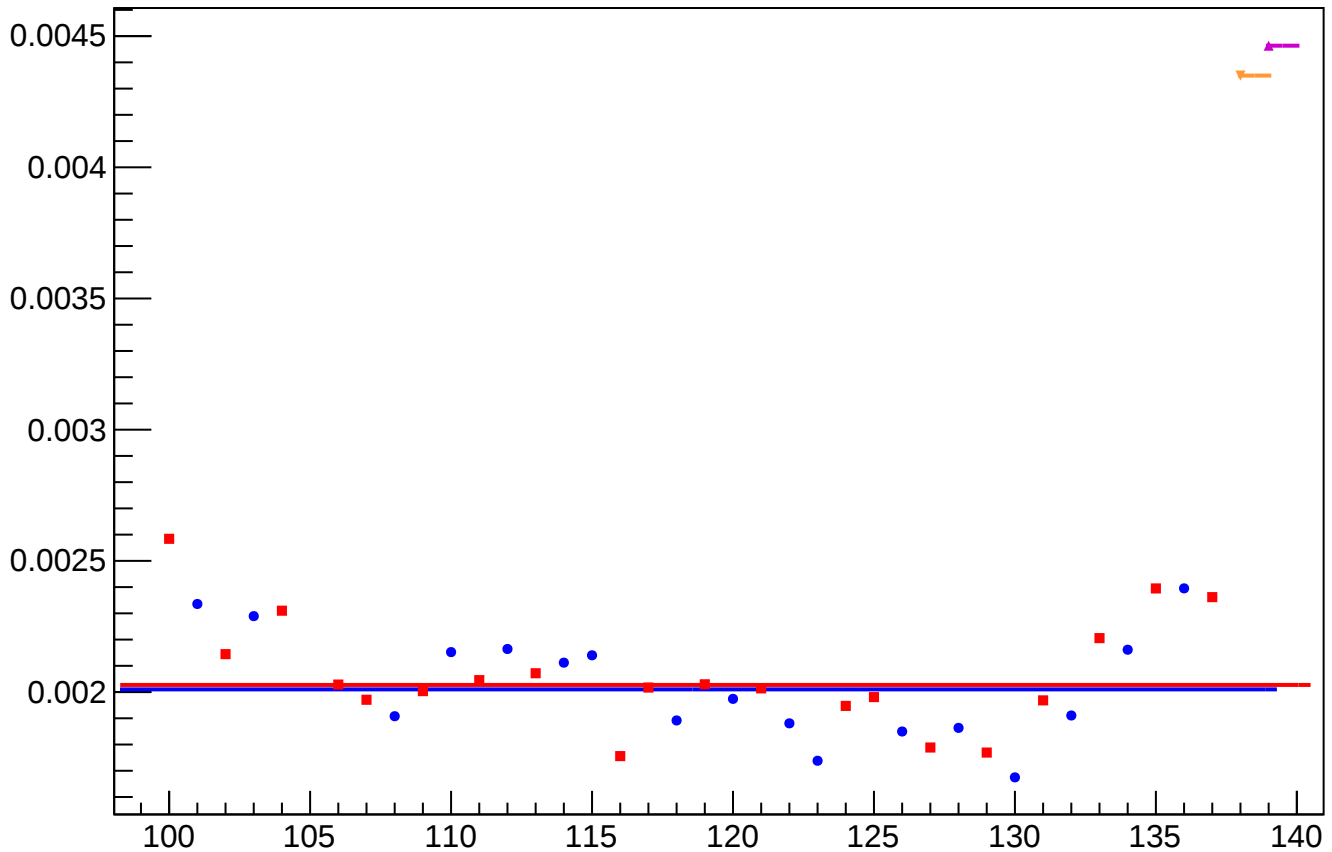
1.433+/-0.000 χ^2/NDF : 351758762661.6/18

Right Out: 1.441+/-0.000 χ^2/NDF : 174346888744.4/19

1.445+/-0.000 χ^2/NDF : 175710300733.1/20

Left In: 1.645+/-0.000 χ^2/NDF : 0.0/0

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 152530.4/16

Left Out: 0.004+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF : 103927.8/19

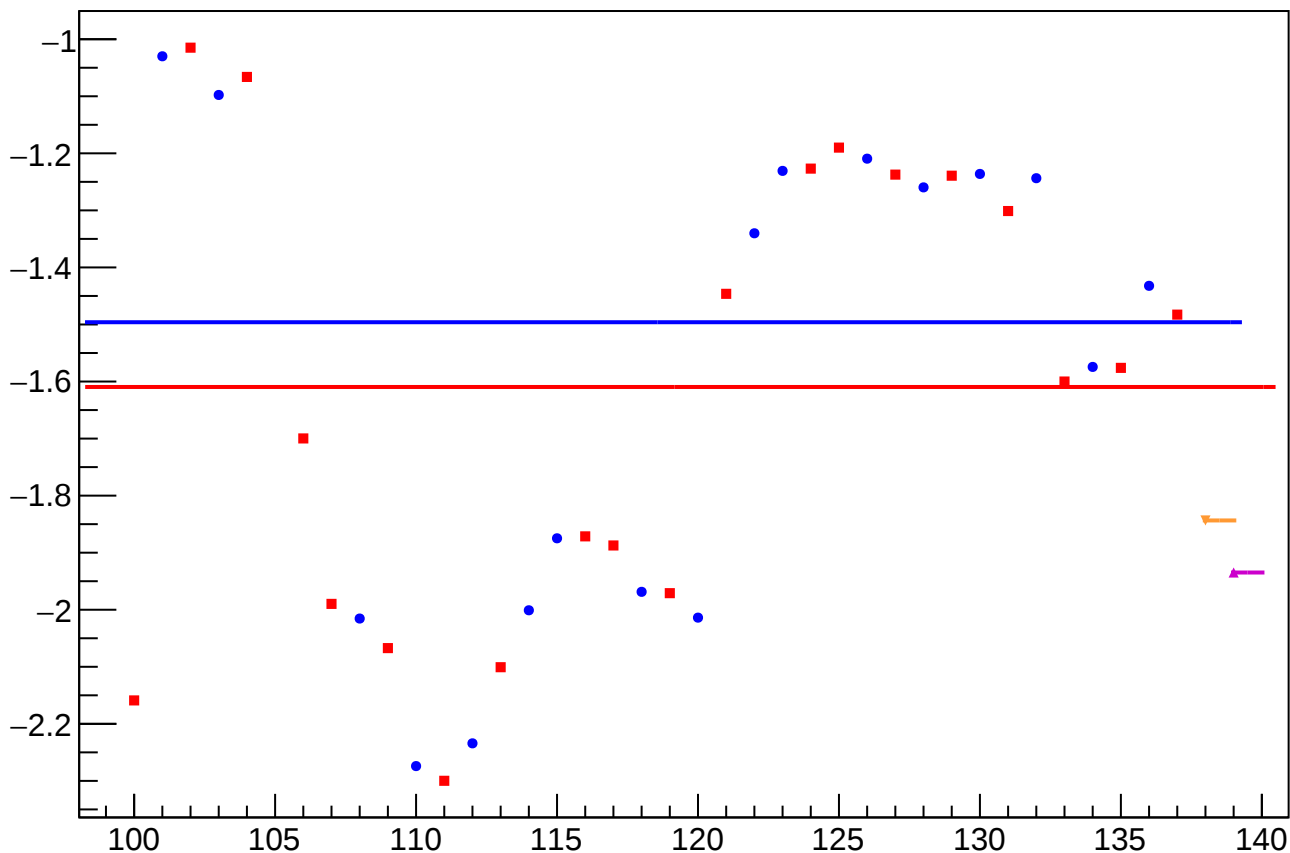
Left In: 0.004+/-0.000 χ^2/NDF : 0.0/0

0.002+/-0.000 χ^2/NDF : 559920.3/17

0.002+/-0.000 χ^2/NDF : 1054214.6/38

0.002+/-0.000 χ^2/NDF : 494122.7/20

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.843+/-0.000 χ^2/NDF : 0.0/0

-1.546+/-0.000 χ^2/NDF : 24913479506.2/17

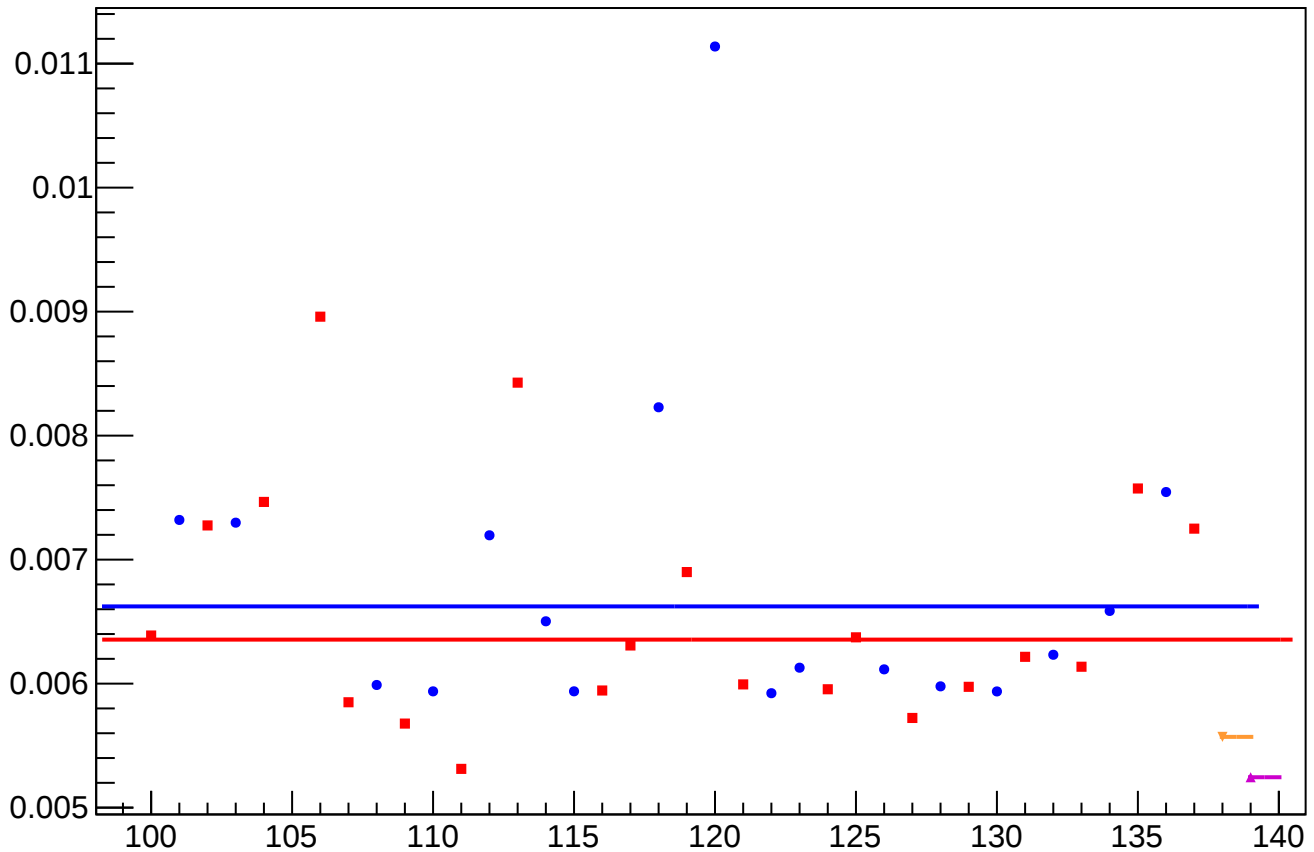
-1.602+/-0.000 χ^2/NDF : 56031233645.4/3

Right Out: -1.610+/-0.000 χ^2/NDF : 27919840690.9/19

-1.651+/-0.000 χ^2/NDF : 30145666175.6/20

Left In: -1.935+/-0.000 χ^2/NDF : 0.0/0

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 232630.4/16

Left Out: 0.006+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF : 227865.9/19

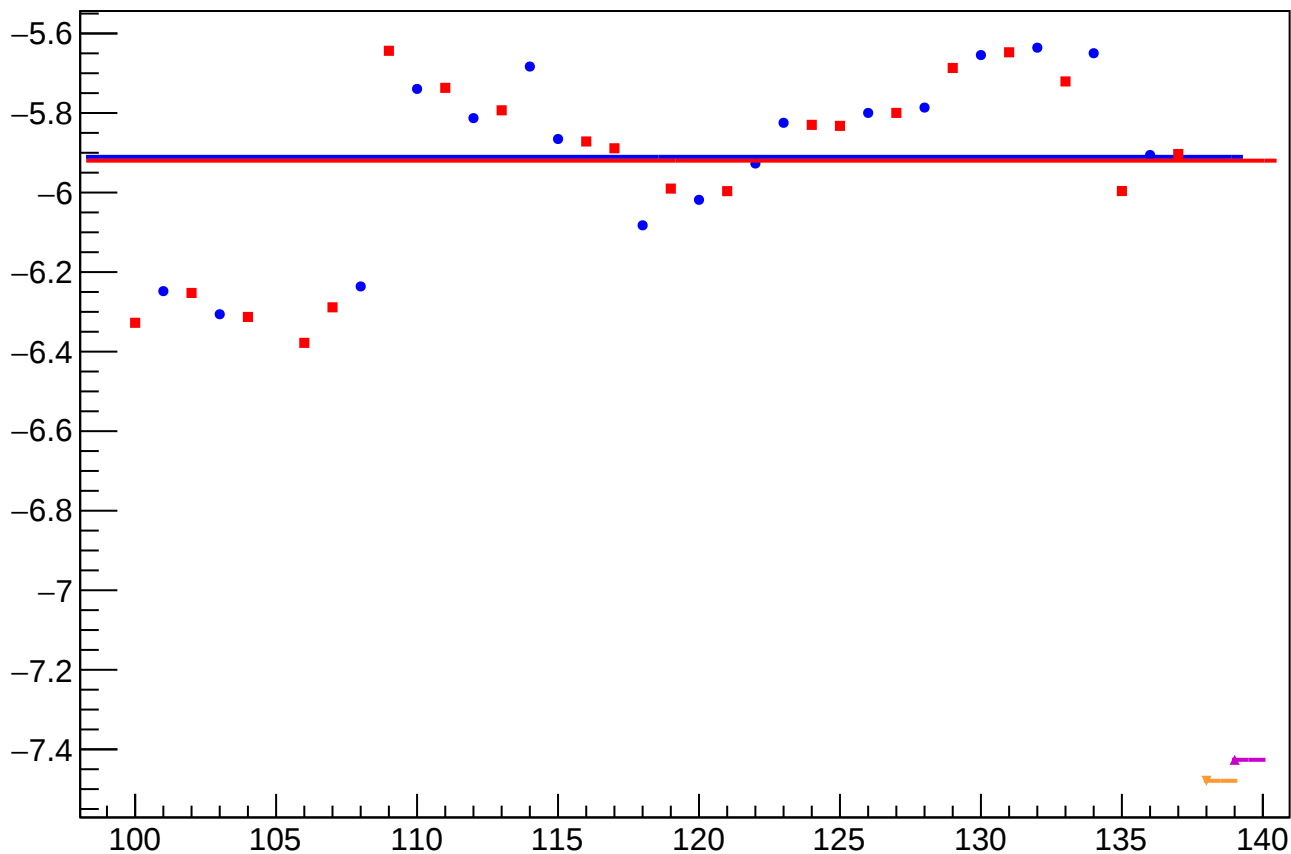
Left In: 0.005+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 276435.1/17

0.006+/-0.000 χ^2/NDF : 567927.6/38

0.006+/-0.000 χ^2/NDF : 279710.8/20

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.910+/-0.000 χ^2 /NDF: 11154434512.7/16

Left Out: -7.479+/-0.000 χ^2 /NDF:0.0/0

Right Out: -5.920+/-0.000 χ^2 /NDF: 12786449843.6/19

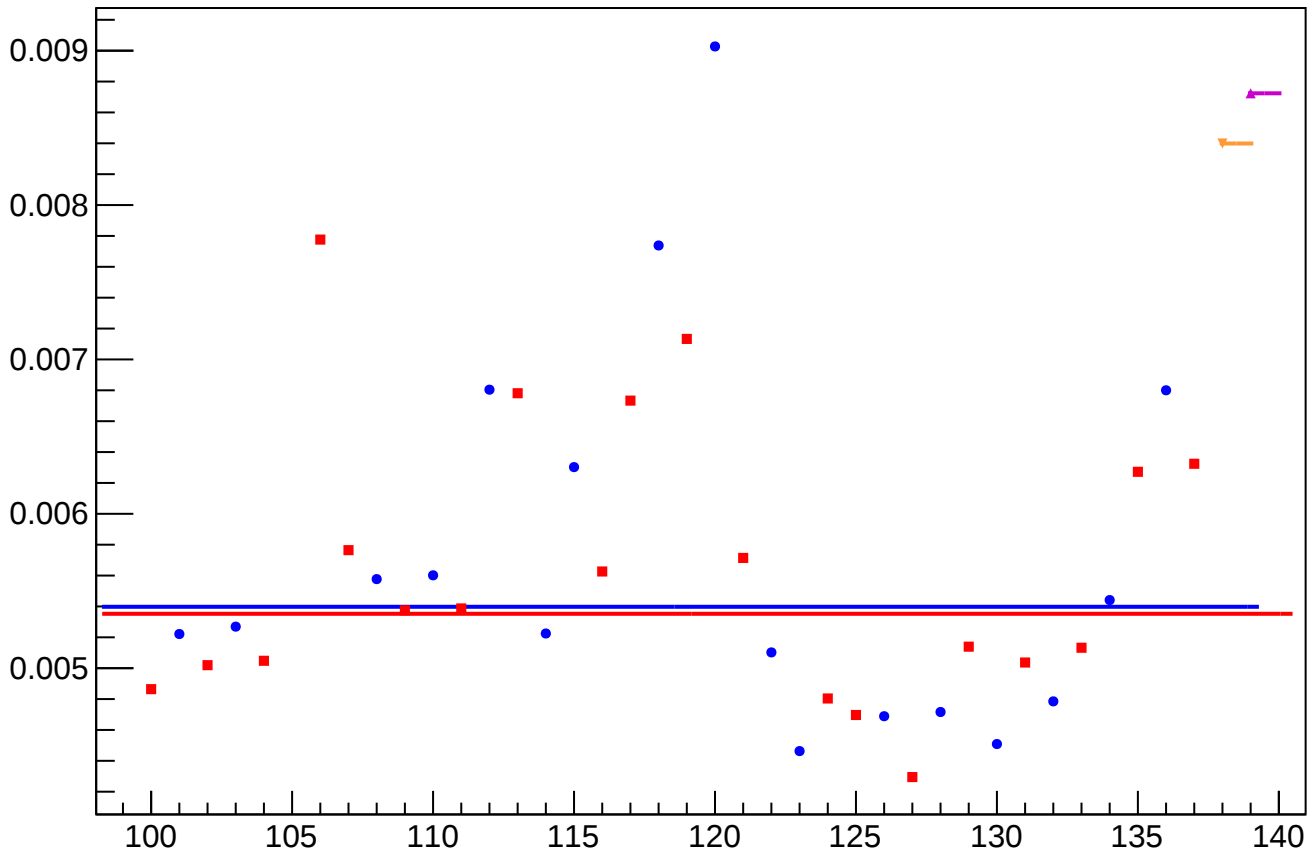
Left In: -7.426+/-0.000 χ^2 /NDF:0.0/0

-5.971+/-0.000 χ^2 /NDF: 30525384696.0/17

-5.969+/-0.000 χ^2 /NDF: 59373225748.1/17

-5.967+/-0.000 χ^2 /NDF: 28846385016.8/20

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 :0.0/0

Right Out: 0.005+/-0.000 χ^2/NDF : 252664.1/19

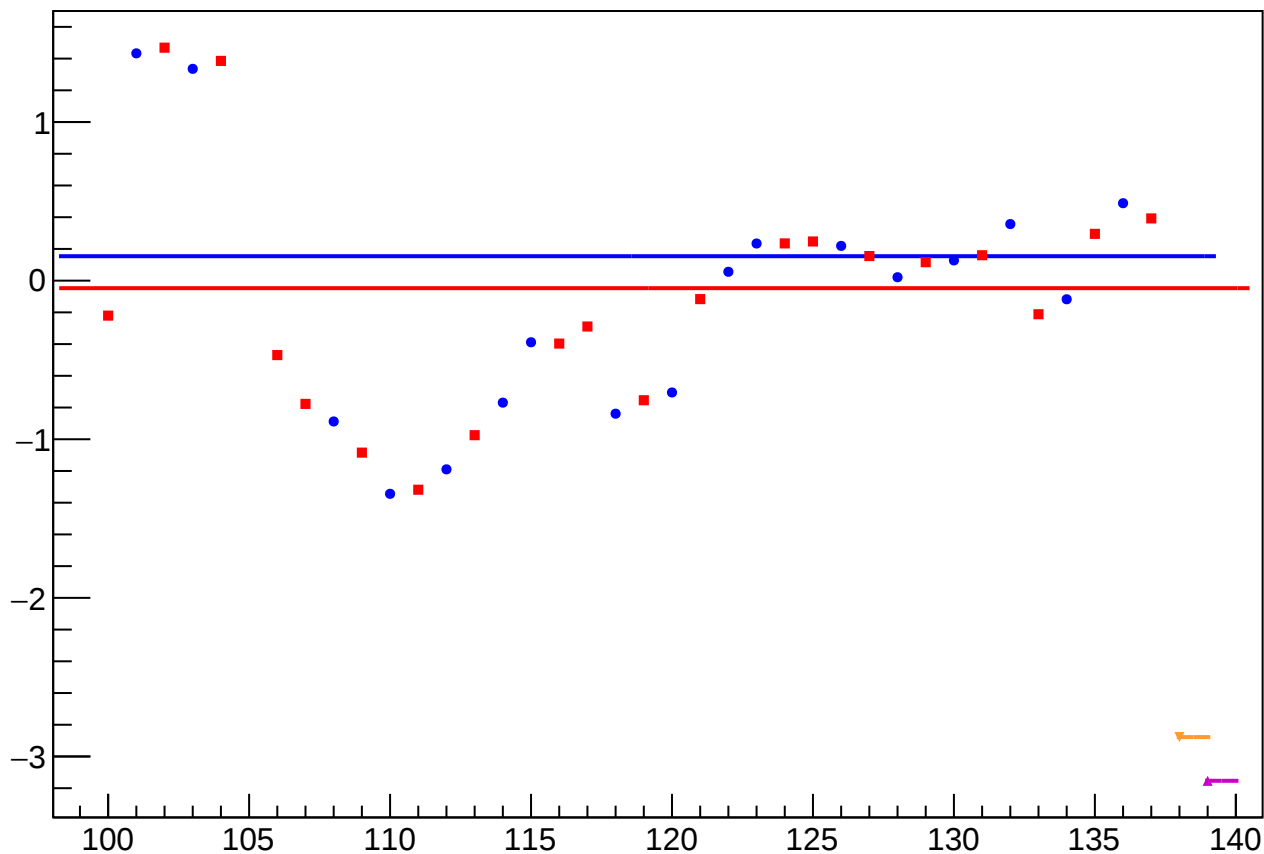
Left In: 0.009+/-0.000 χ^2/NDF :0.0/0

0.006+/-0.000 χ^2/NDF : 513093.6/17

0.005+/-0.000 χ^2/NDF : 927300.0/38

0.005+/-0.000 χ^2/NDF : 413535.4/20

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.154+/-0.000 χ^2/NDF : 16988256953.8/16

Left Out: -2.878+/-0.000 χ^2/NDF : 0.0/0

Right Out: -0.047+/-0.000 χ^2/NDF : 21216074494.2/19

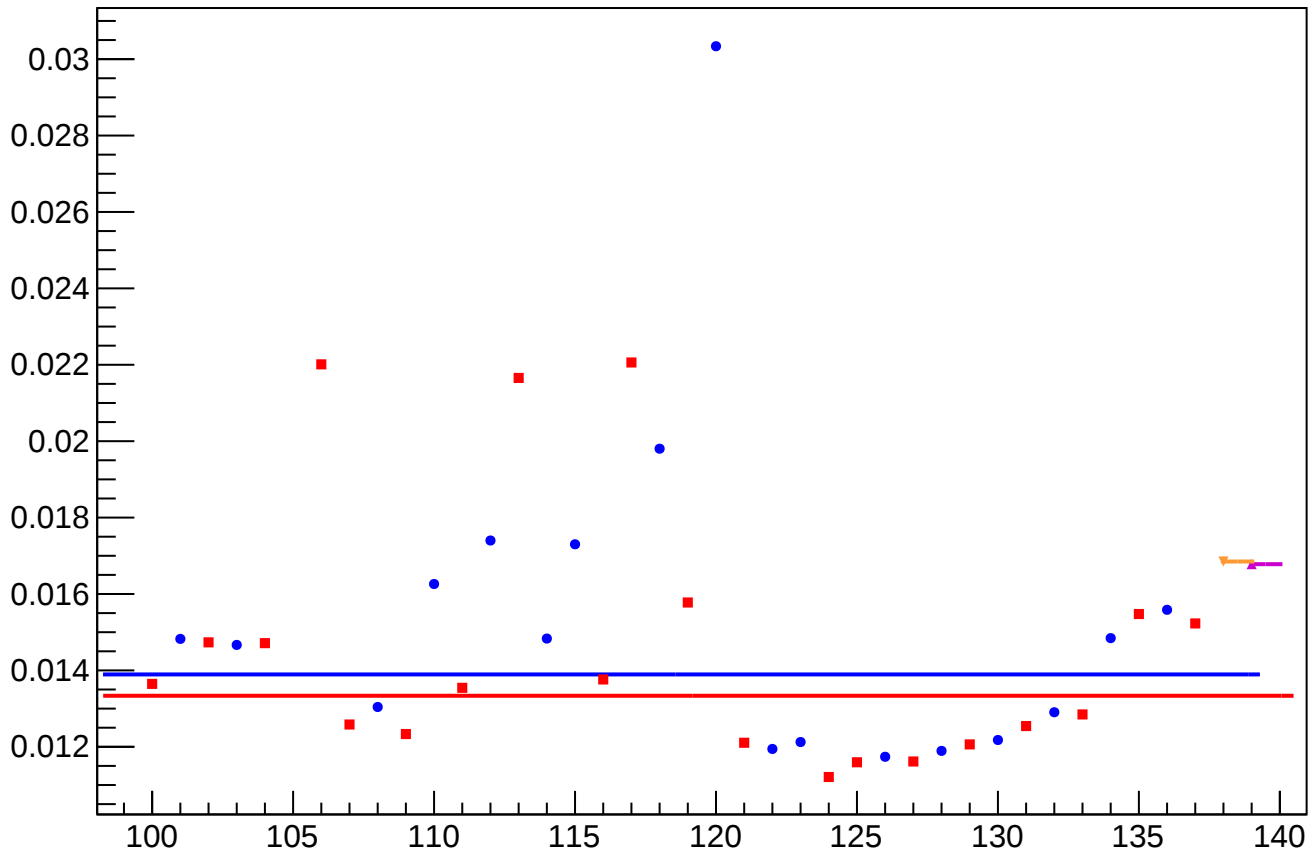
Left In: -3.153+/-0.000 χ^2/NDF : 0.0/0

-0.066+/-0.000 χ^2/NDF : 37429382153.7/17

-0.157+/-0.000 χ^2/NDF : 80361394467.1/17

-0.234+/-0.000 χ^2/NDF : 42423501599.9/20

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 400569.4/16

Left Out: 0.017+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.013+/-0.000 χ^2/NDF : 303459.9/19

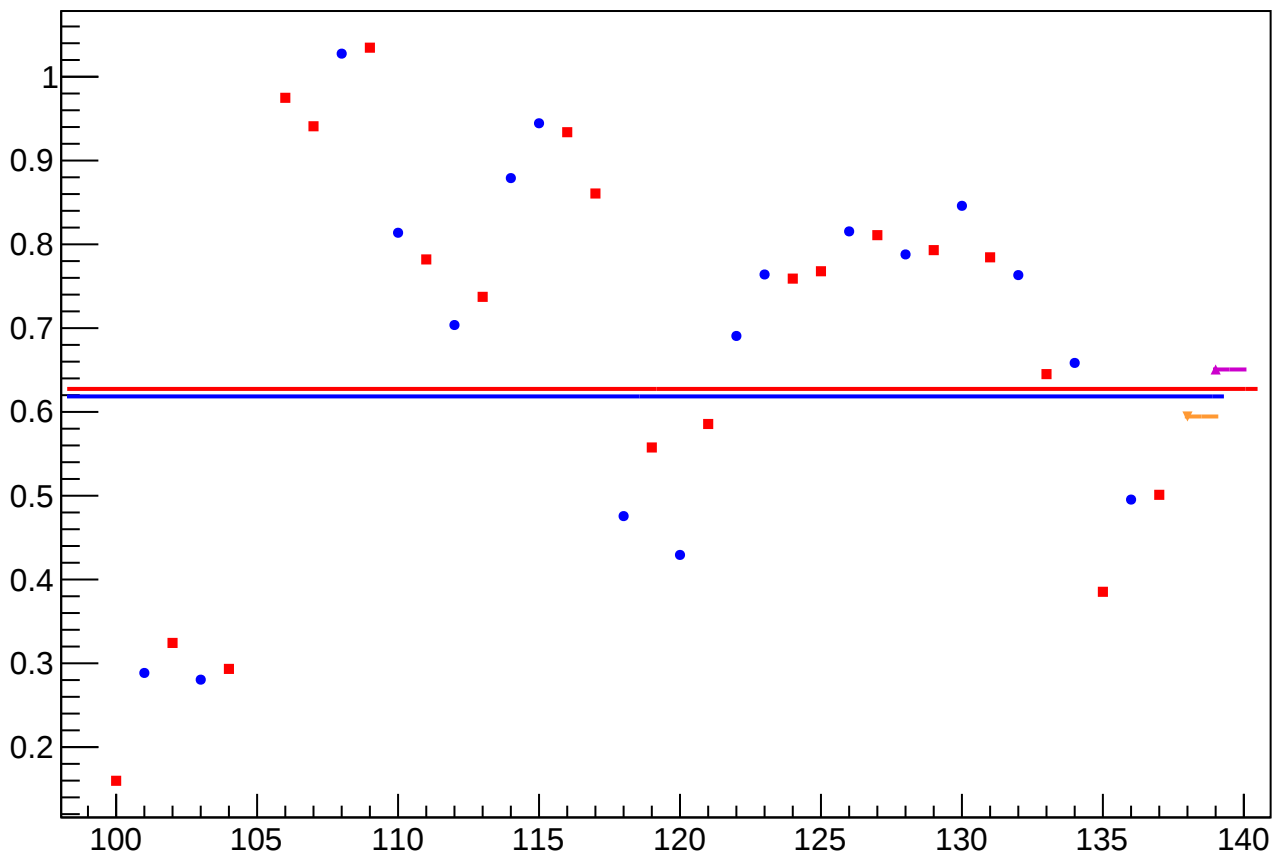
Left In: 0.017+/-0.000 χ^2/NDF : 0.0/0

0.014+/-0.000 χ^2/NDF : 439423.0/17

0.014+/-0.000 χ^2/NDF : 806465.6/38

0.014+/-0.000 χ^2/NDF : 355628.7/20

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.619+/-0.000 χ^2/NDF : 5416939288.1/16

Left Out: 0.595+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.627+/-0.000 χ^2/NDF : 6345684740.0/19

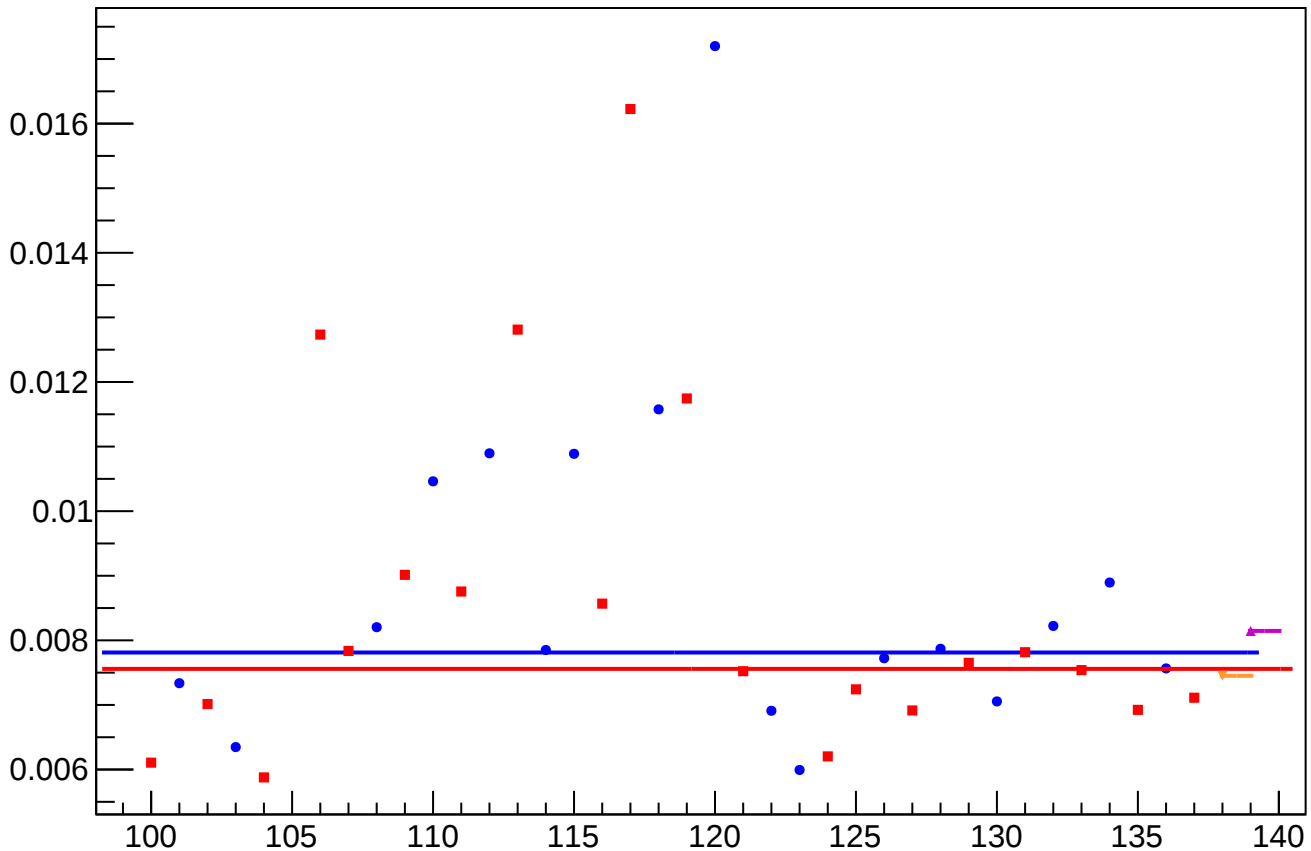
Left In: 0.651+/-0.000 χ^2/NDF : 0.0/0

0.616+/-0.000 χ^2/NDF : 5422799172.6/17

0.623+/-0.000 χ^2/NDF : 11783176216.3/3

0.629+/-0.000 χ^2/NDF : 6350357094.8/20

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 : 0.0/0

Right Out: 0.008+/-0.000 χ^2/NDF : 463232.7/19

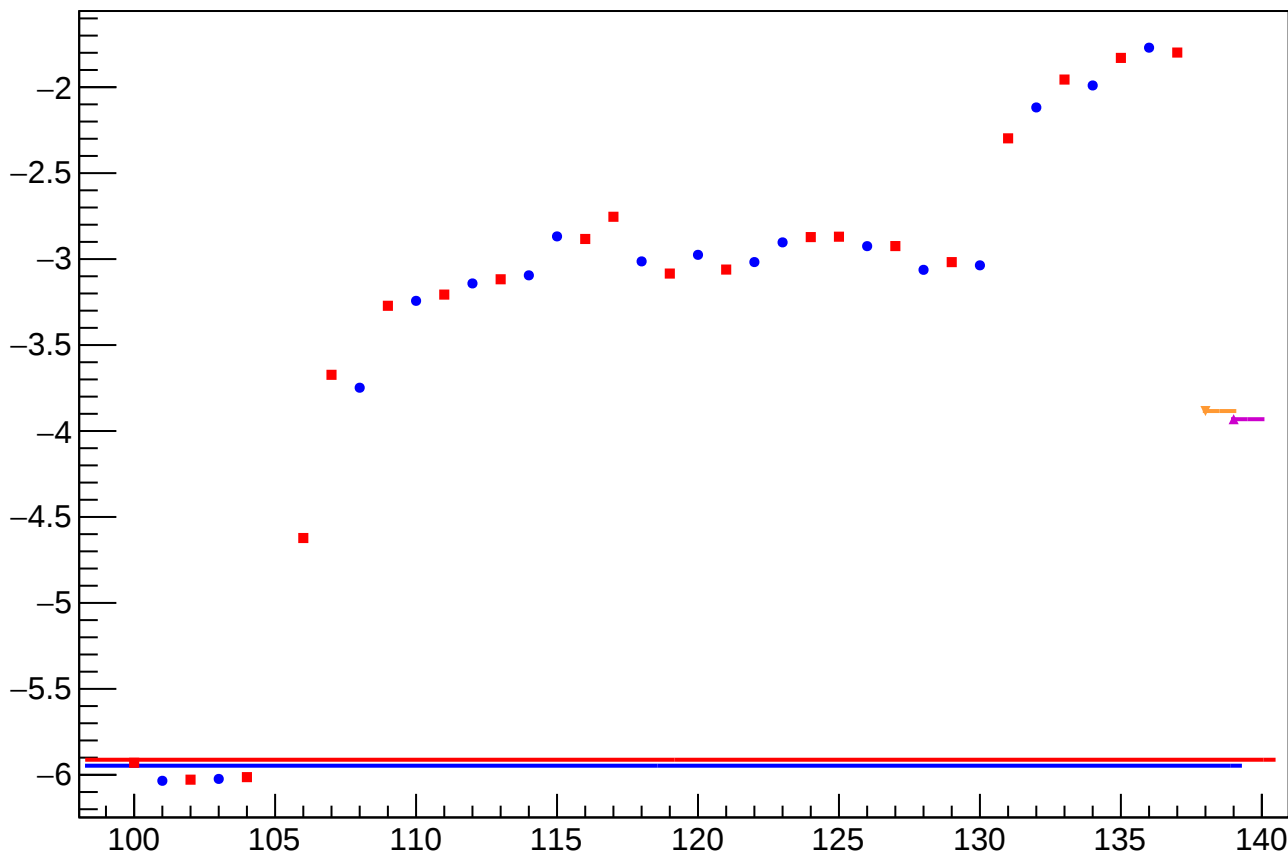
Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

0.008+/-0.000 χ^2/NDF : 469484.5/17

0.008+/-0.000 χ^2/NDF : 941875.2/38

0.008+/-0.000 χ^2/NDF : 469220.1/20

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -3.884+/-0.000 χ^2/NDF : 0.0/0

-5.942+/-0.000 χ^2/NDF : 13628053610.7/17

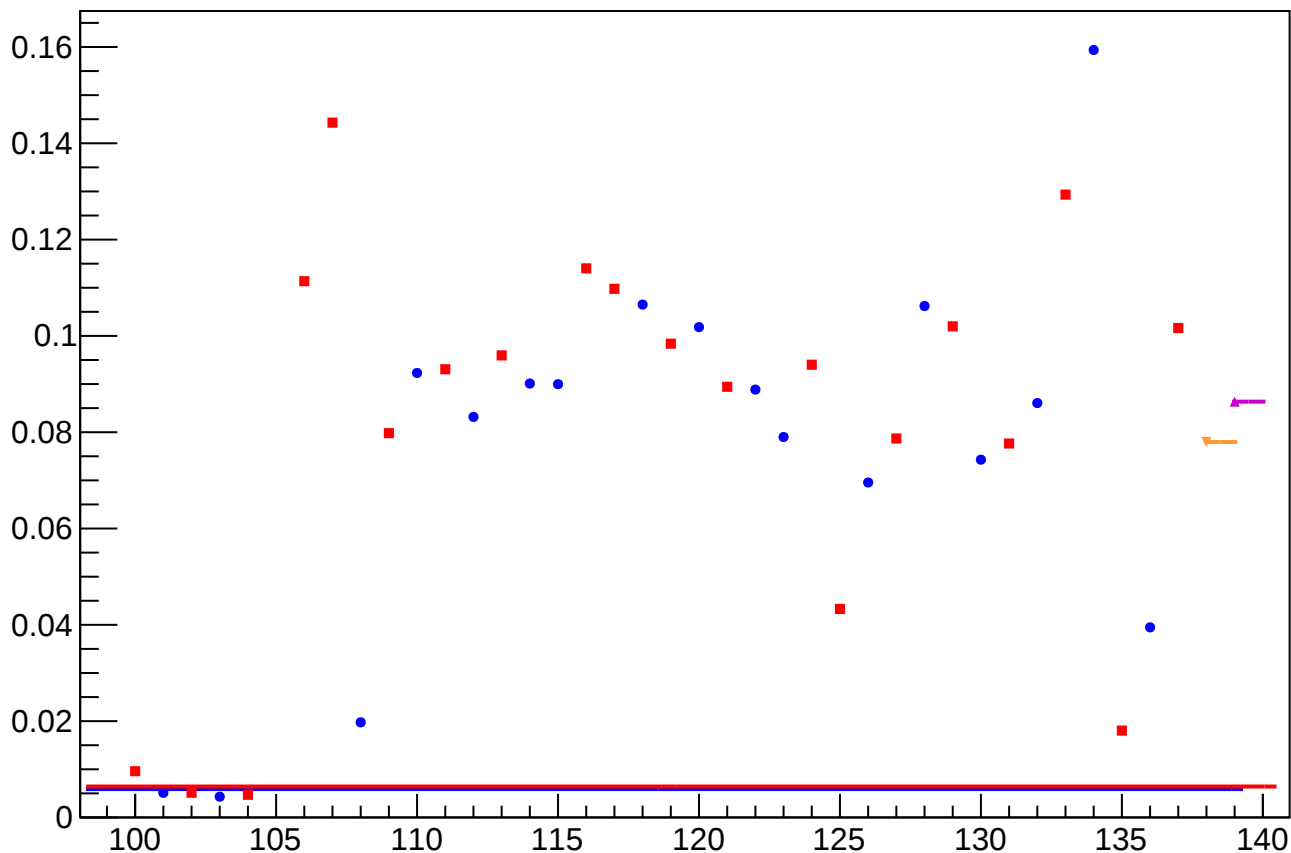
-5.927+/-0.000 χ^2/NDF : 28552446338.4/17

Right Out: -5.912+/-0.000 χ^2/NDF : 14648055548.9/19

-5.909+/-0.000 χ^2/NDF : 14900887264.1/20

Left In: -3.931+/-0.000 χ^2/NDF : 0.0/0

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 7934545.2/16

Left Out: 0.078+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF : 8558731.2/19

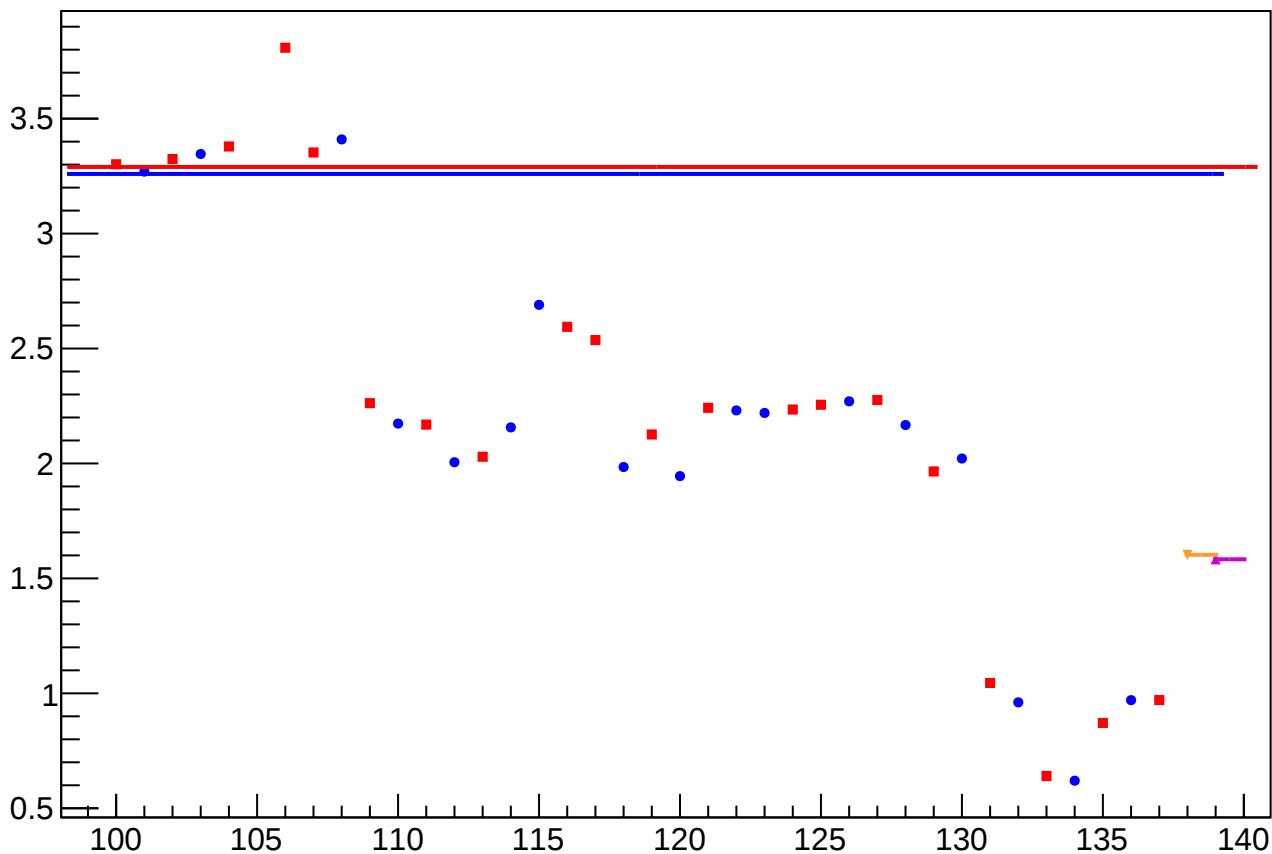
Left In: 0.086+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 9062489.0/17

0.006+/-0.000 χ^2/NDF : 18455048.1/38

0.007+/-0.000 χ^2/NDF : 9381853.6/20

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.259+/-0.000 χ^2/NDF : 2921931976.8/16

Left Out: 1.603+/-0.000 χ^2/NDF : 0.0/0

Right Out: 3.290+/-0.000 χ^2/NDF : 3263300926.6/19

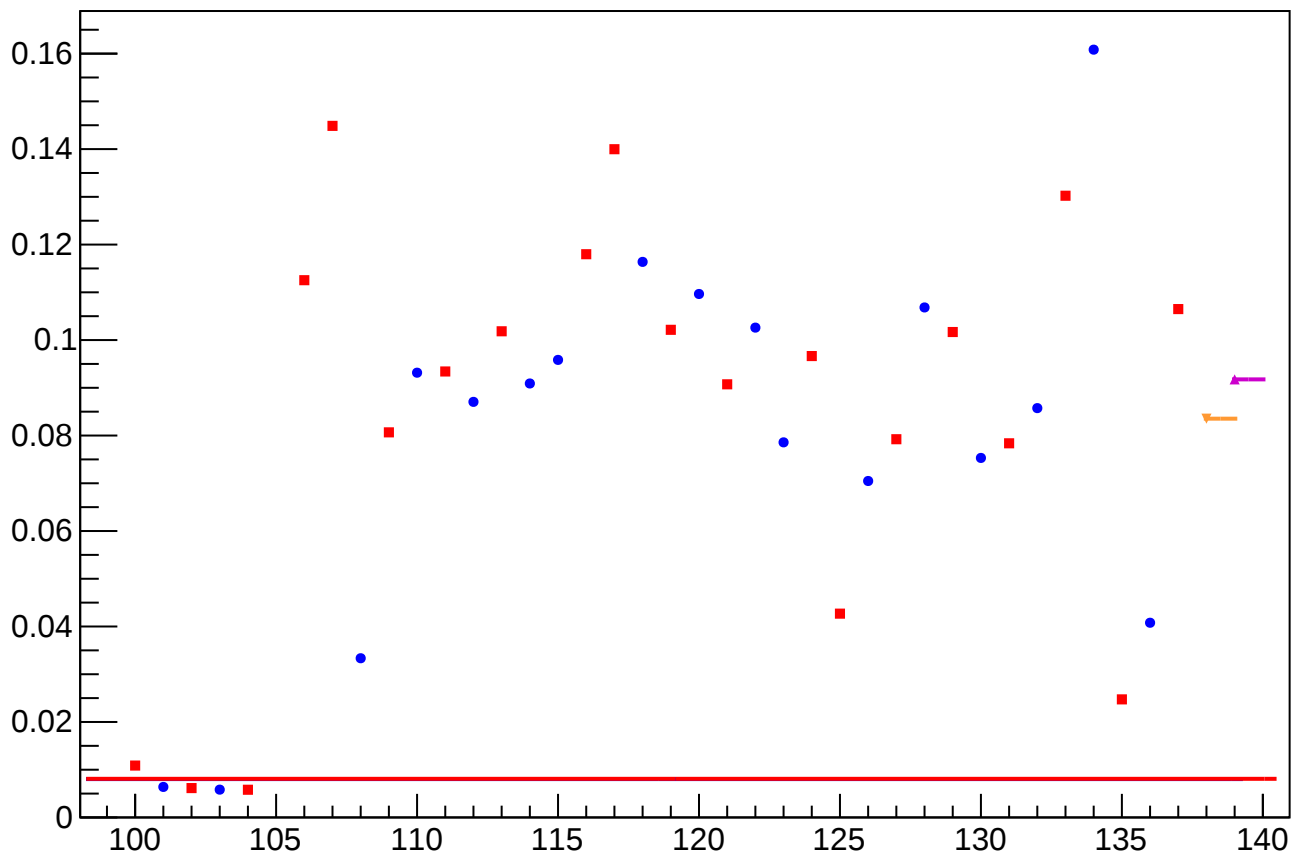
Left In: 1.583+/-0.000 χ^2/NDF : 0.0/0

3.254+/-0.000 χ^2/NDF : 3182731558.2/17

3.269+/-0.000 χ^2/NDF : 6630196084.7/38

3.286+/-0.000 χ^2/NDF : 3433156479.3/20

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 7742048.1/16

Left Out: 0.084+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.008+/-0.000 χ^2/NDF : 8375005.0/19

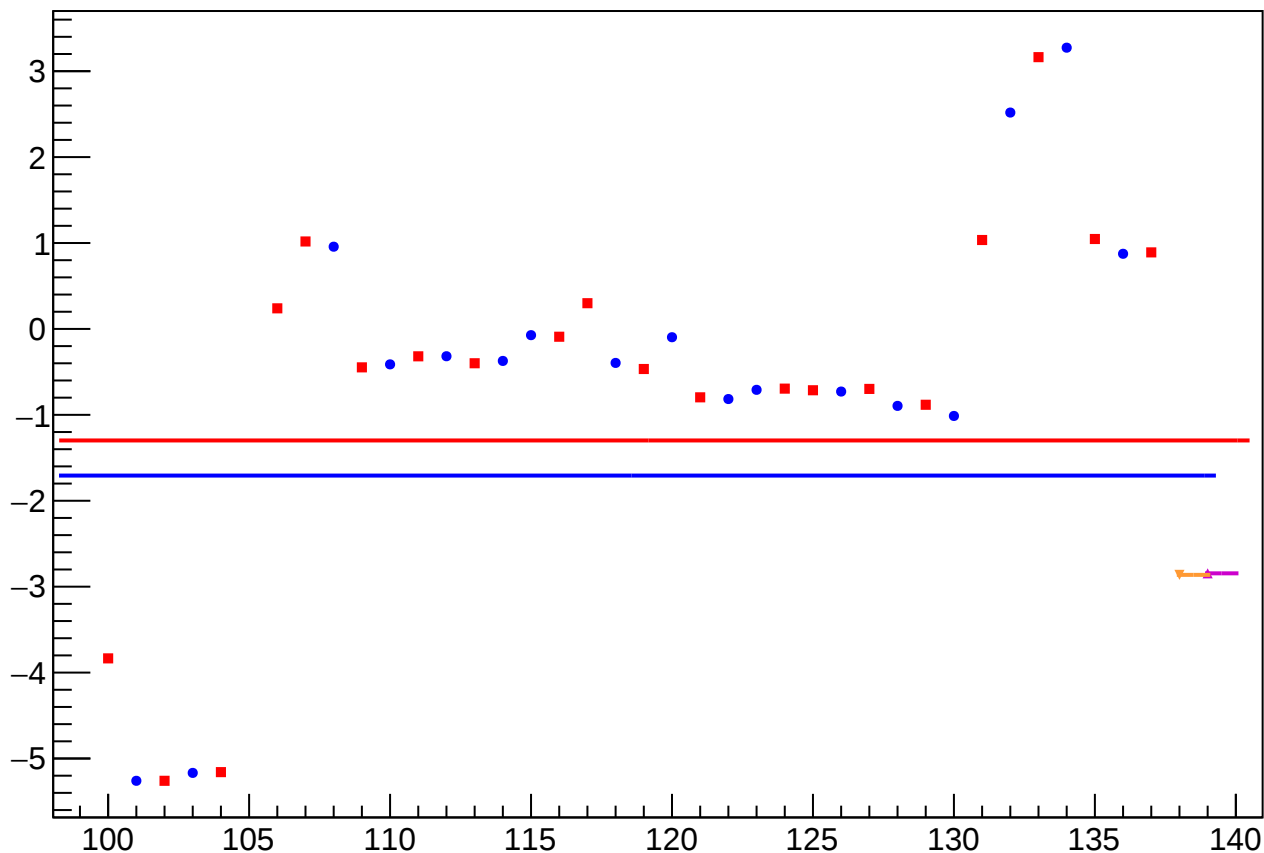
Left In: 0.092+/-0.000 χ^2/NDF : 0.0/0

0.008+/-0.000 χ^2/NDF : 8824950.8/17

0.008+/-0.000 χ^2/NDF : 18016285.3/38

0.008+/-0.000 χ^2/NDF : 9191330.9/20

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.863+/-0.000 χ^2/NDF : 0.0/0

Right Out: -1.298+/-0.000 χ^2/NDF : 178085926993.4/19

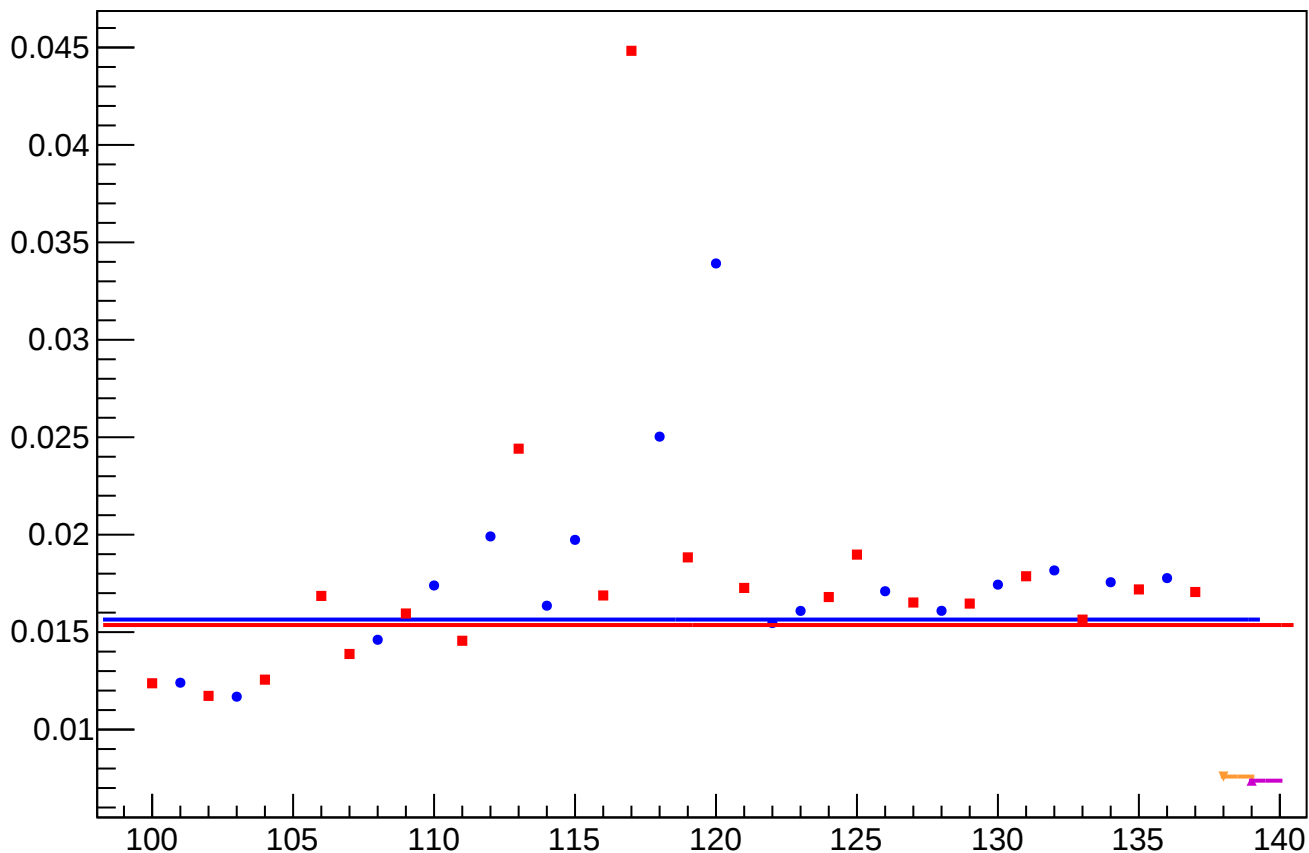
Left In: -2.845+/-0.000 χ^2/NDF : 0.0/0

-2.105+/-0.000 χ^2/NDF : 176673422619.1/17

-1.939+/-0.000 χ^2/NDF : 376609952633.6

-1.789+/-0.000 χ^2/NDF : 198103276715.6/20

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 : 0.0/0

Right Out: 0.015+/-0.000 χ^2/NDF : 387283.2/19

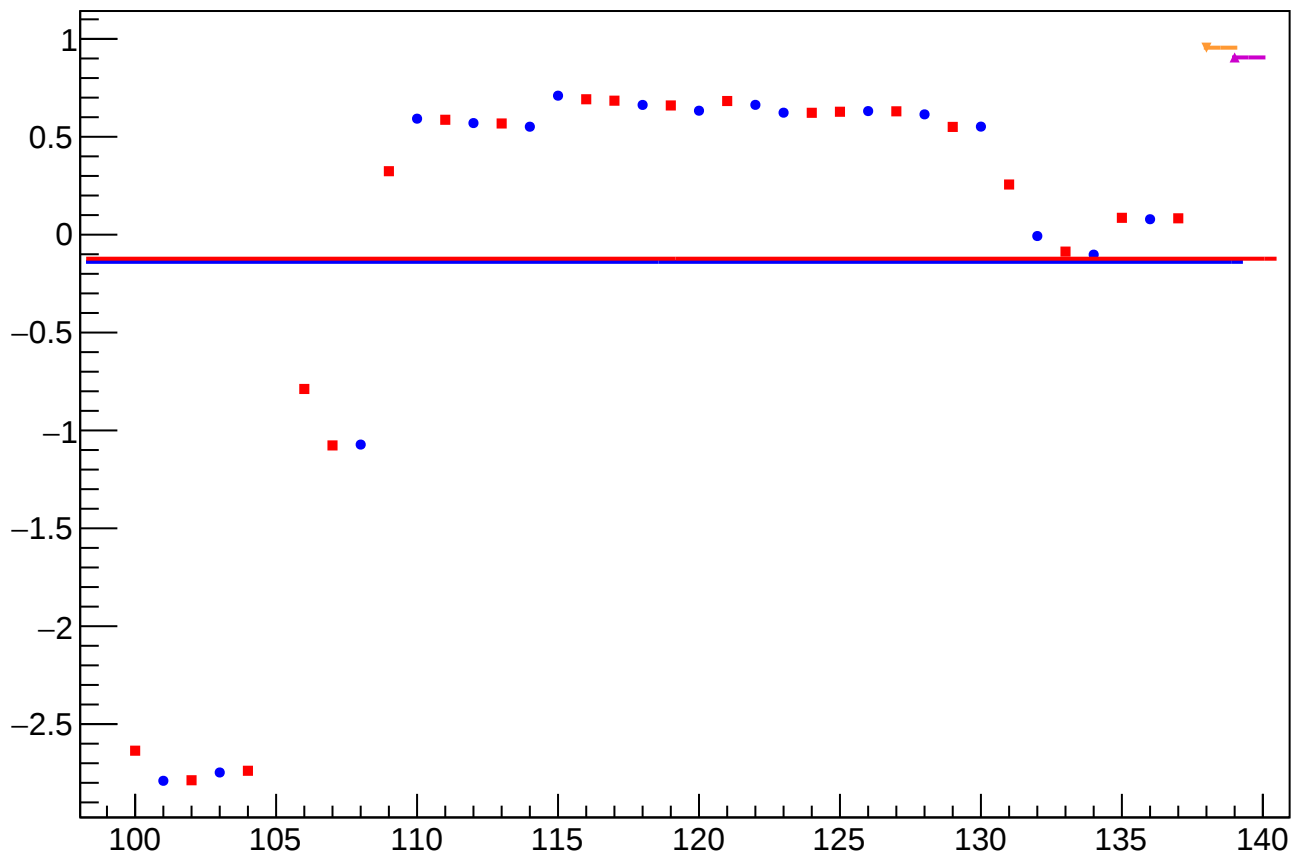
Left In: 0.007+/-0.000 χ^2/NDF : 0.0/0

0.013+/-0.000 χ^2/NDF : 1603357.9/17

0.013+/-0.000 χ^2/NDF : 3058171.4/38

0.013+/-0.000 χ^2/NDF : 1454756.7/20

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -0.139+/-0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.955+/-0.000 χ^2/NDF : 0.0/0

Right Out: -0.123+/-0.000 χ^2/NDF : 762580598699.5/19

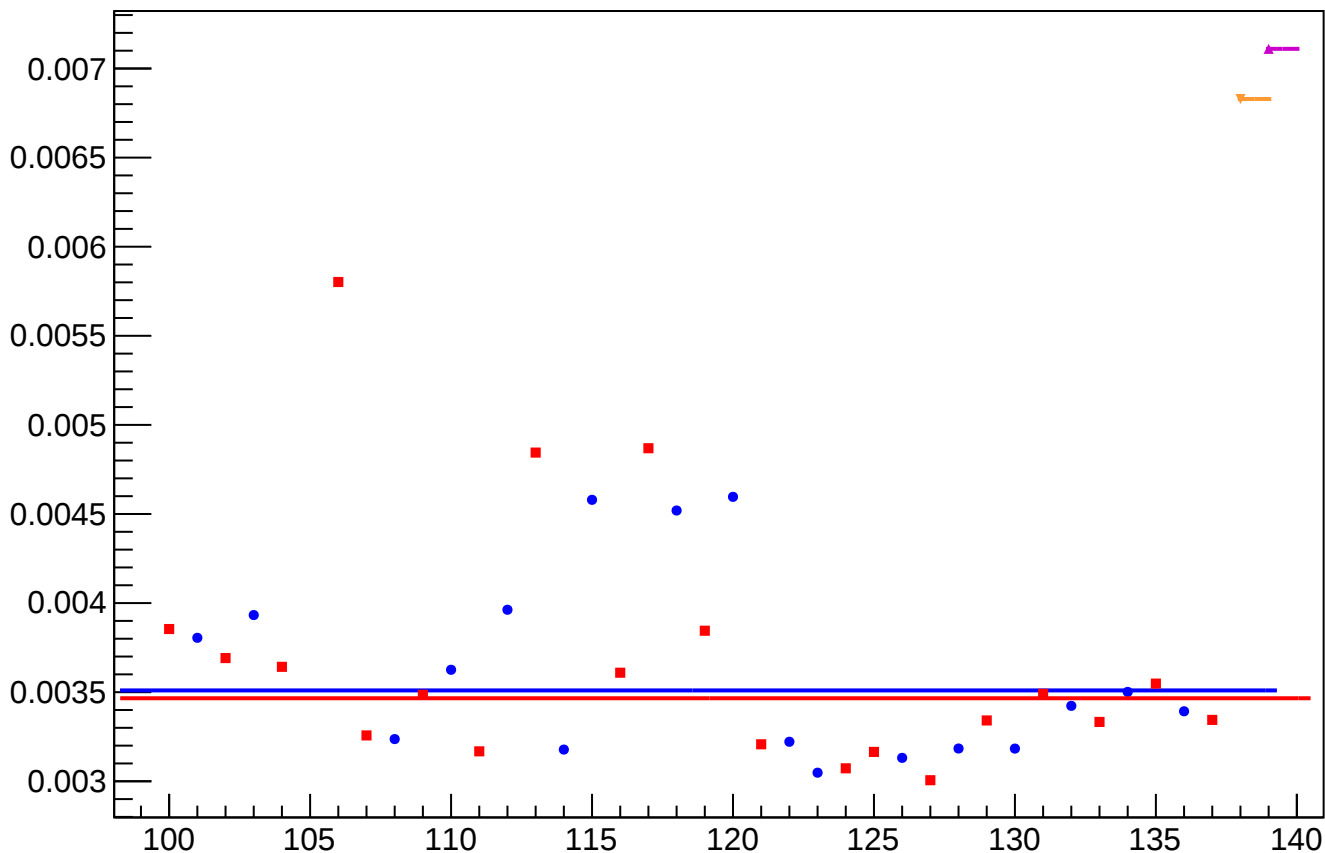
Left In: 0.905+/-0.000 χ^2/NDF : 0.0/0

-0.111+/-0.000 χ^2/NDF : 730375172032.4/17

-0.106+/-0.000 χ^2/NDF : 1505201452694.

-0.102+/-0.000 χ^2/NDF : 774799933465.7/20

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: 0.0/0

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 222524.1/19

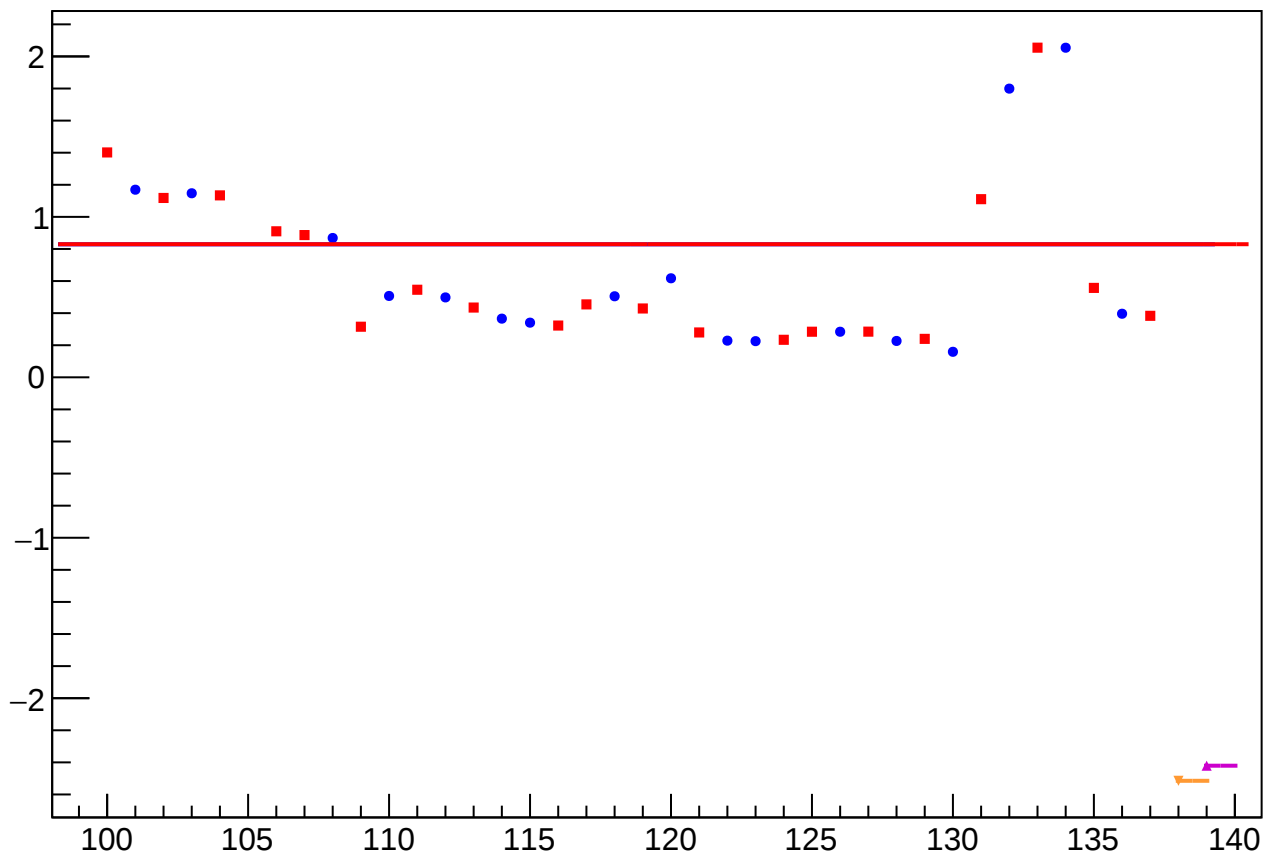
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.004 $\pm$ 0.000 χ^2 /NDF: 453459.8/17

0.004 $\pm$ 0.000 χ^2 /NDF: 984609.8/38

0.004 $\pm$ 0.000 χ^2 /NDF: 529667.7/20

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.829+/-0.000 χ^2/NDF : 31718573821.2/16

Left Out: -2.515+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.830+/-0.000 χ^2/NDF : 33349713412.0/19

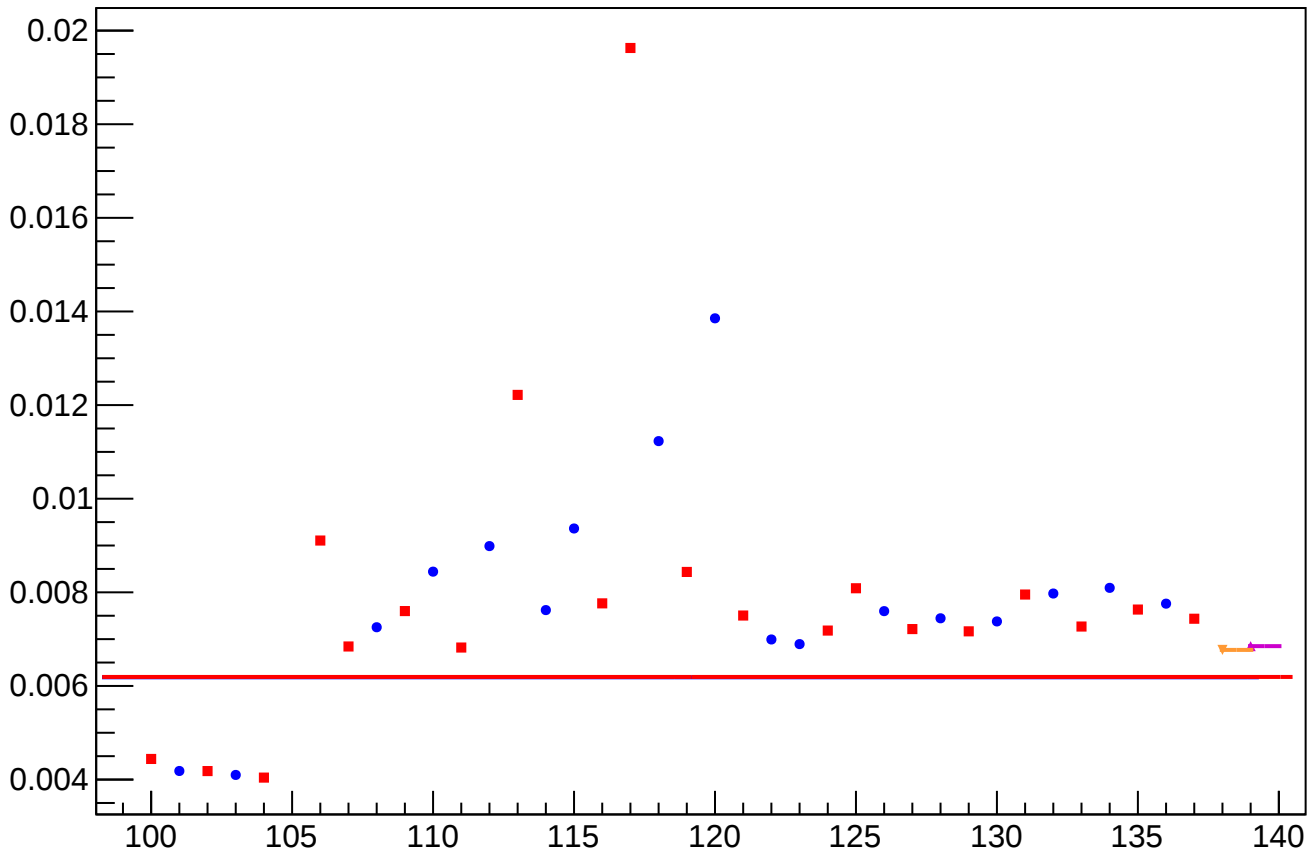
Left In: -2.421+/-0.000 χ^2/NDF : 0.0/0

0.530+/-0.000 χ^2/NDF : 170614668440.5/17

0.553+/-0.000 χ^2/NDF : 330038008541.3/17

0.575+/-0.000 χ^2/NDF : 159264635806.6/20

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 1228962.4/16

Left Out: 0.007+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF : 1062886.2/19

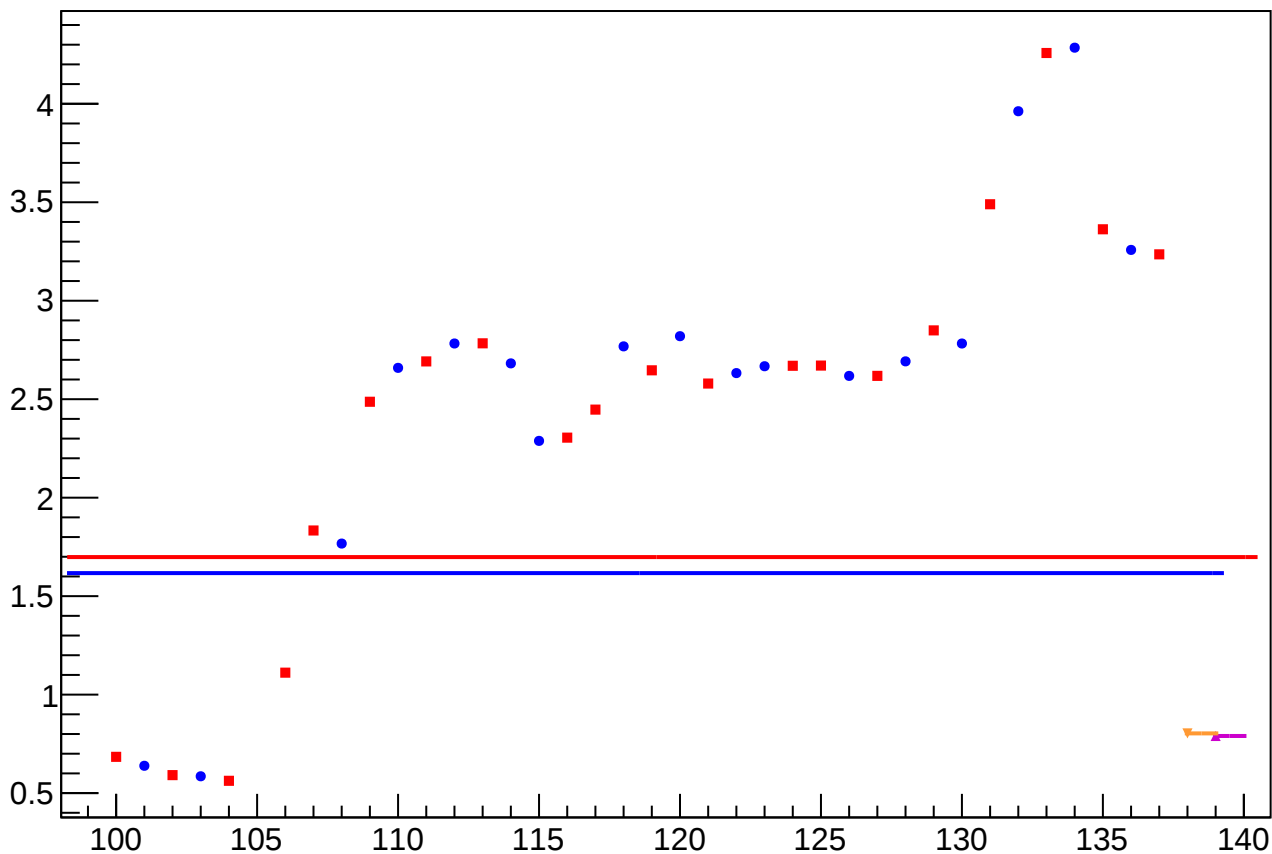
Left In: 0.007+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 1237470.8/17

0.006+/-0.000 χ^2/NDF : 2310688.9/38

0.006+/-0.000 χ^2/NDF : 1073210.4/20

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 0.803+/-0.000 χ^2/NDF : 0.0/0

1.529+/-0.000 χ^2/NDF : 213137519041.4/17

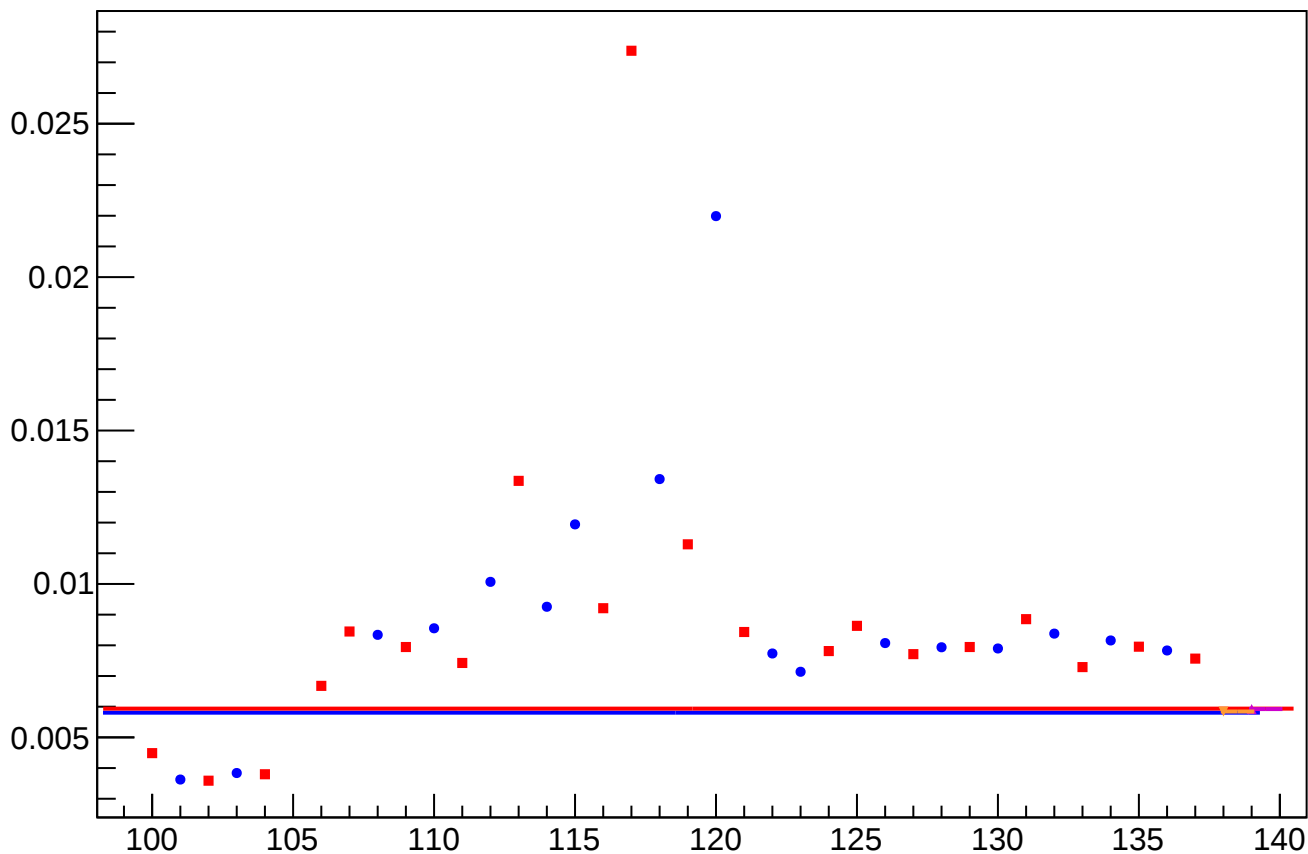
Right Out: 1.698+/-0.000 χ^2/NDF : 227436227264.4/19

1.571+/-0.000 χ^2/NDF : 453227442960.5/17

1.611+/-0.000 χ^2/NDF : 239538276118.2/20

Left In: 0.790+/-0.000 χ^2/NDF : 0.0/0

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 : 0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF : 1731283.0/19

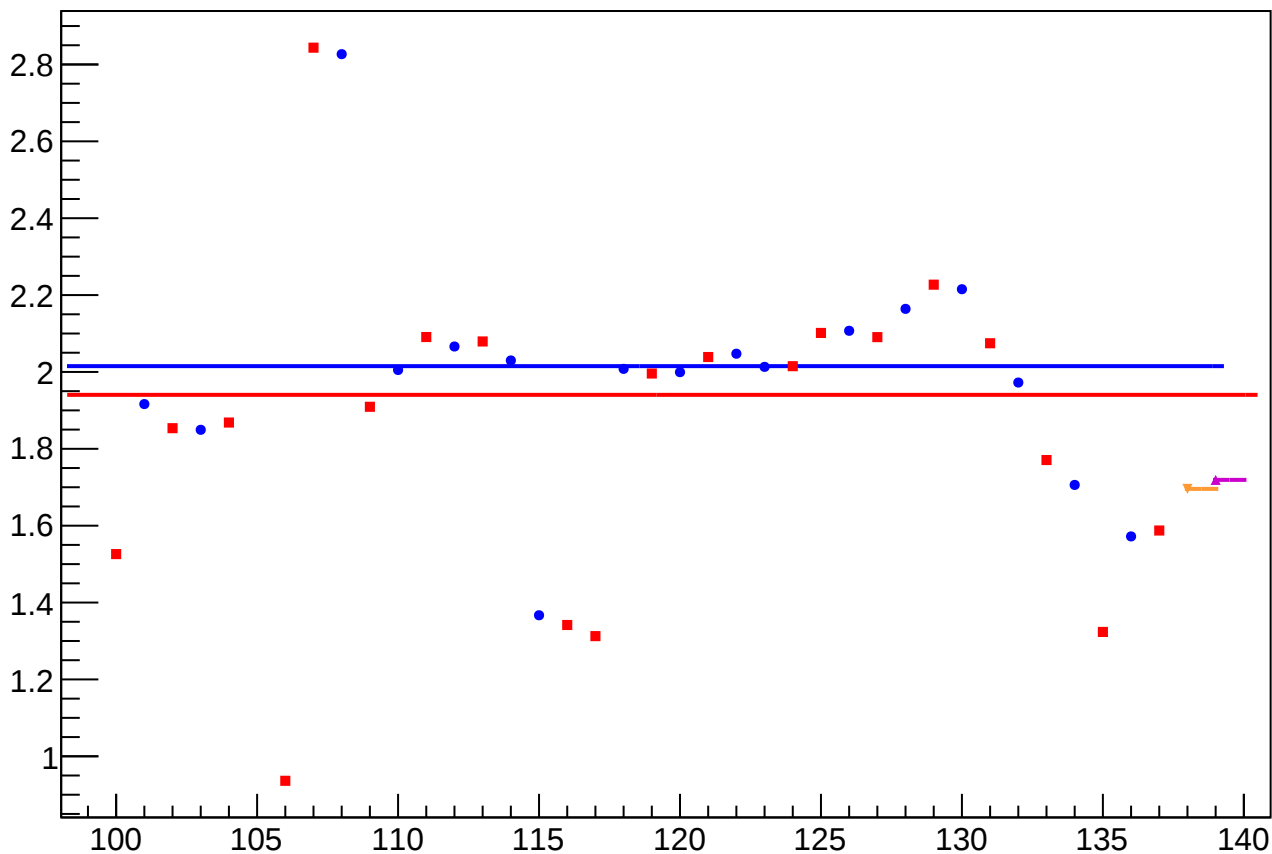
Left In: 0.006+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 1918033.0/17

0.006+/-0.000 χ^2/NDF : 3651949.4/38

0.006+/-0.000 χ^2/NDF : 1731289.1/20

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.015 $\pm$ 0.000 χ^2 /NDF: 12228403202.6/16

Left Out: 1.696 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 1.940 $\pm$ 0.000 χ^2 /NDF: 21732099424.5/19

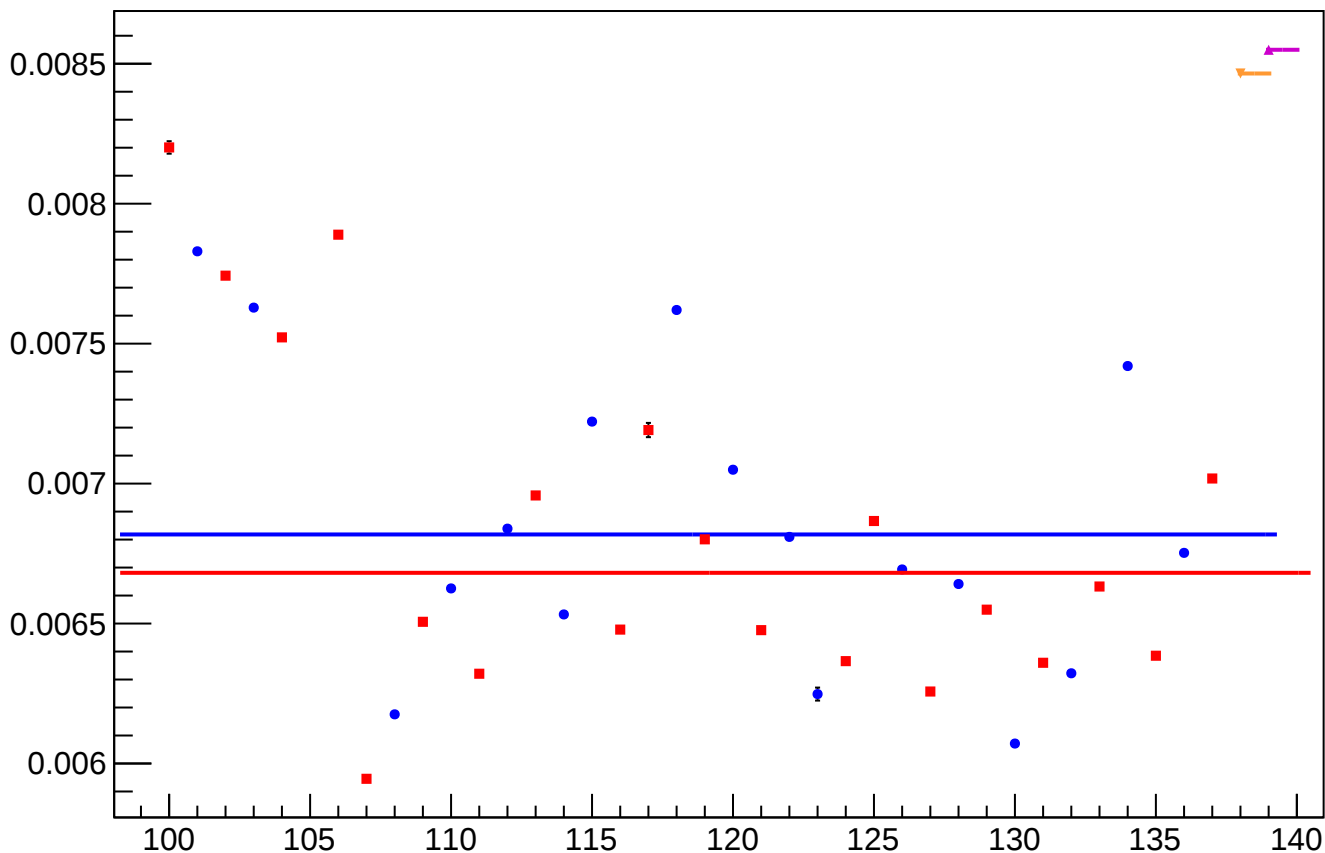
Left In: 1.719 $\pm$ 0.000 χ^2 /NDF: 0.0/0

1.995 $\pm$ 0.000 χ^2 /NDF: 13117527333.7/17

1.960 $\pm$ 0.000 χ^2 /NDF: 35597502779.4/3

1.928 $\pm$ 0.000 χ^2 /NDF: 22141197484.9/20

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: 0.0/0

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 76121.2/19

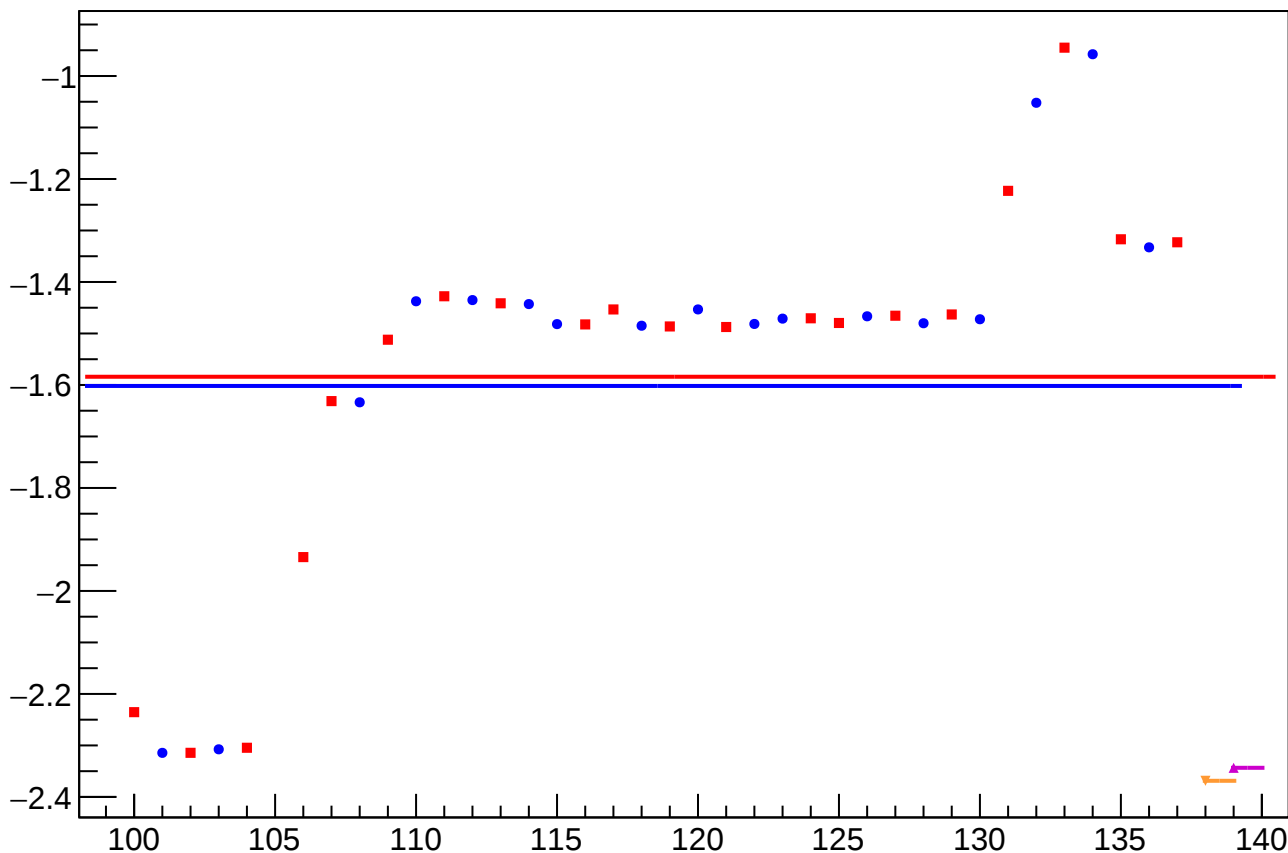
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.007 $\pm$ 0.000 χ^2 /NDF: 123095.3/17

0.007 $\pm$ 0.000 χ^2 /NDF: 260587.0/38

0.007 $\pm$ 0.000 χ^2 /NDF: 134489.1/20

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -2.369+/-0.000 χ^2/NDF : 0.0/0

-1.662+/-0.000 χ^2/NDF : 181542054047.2/17

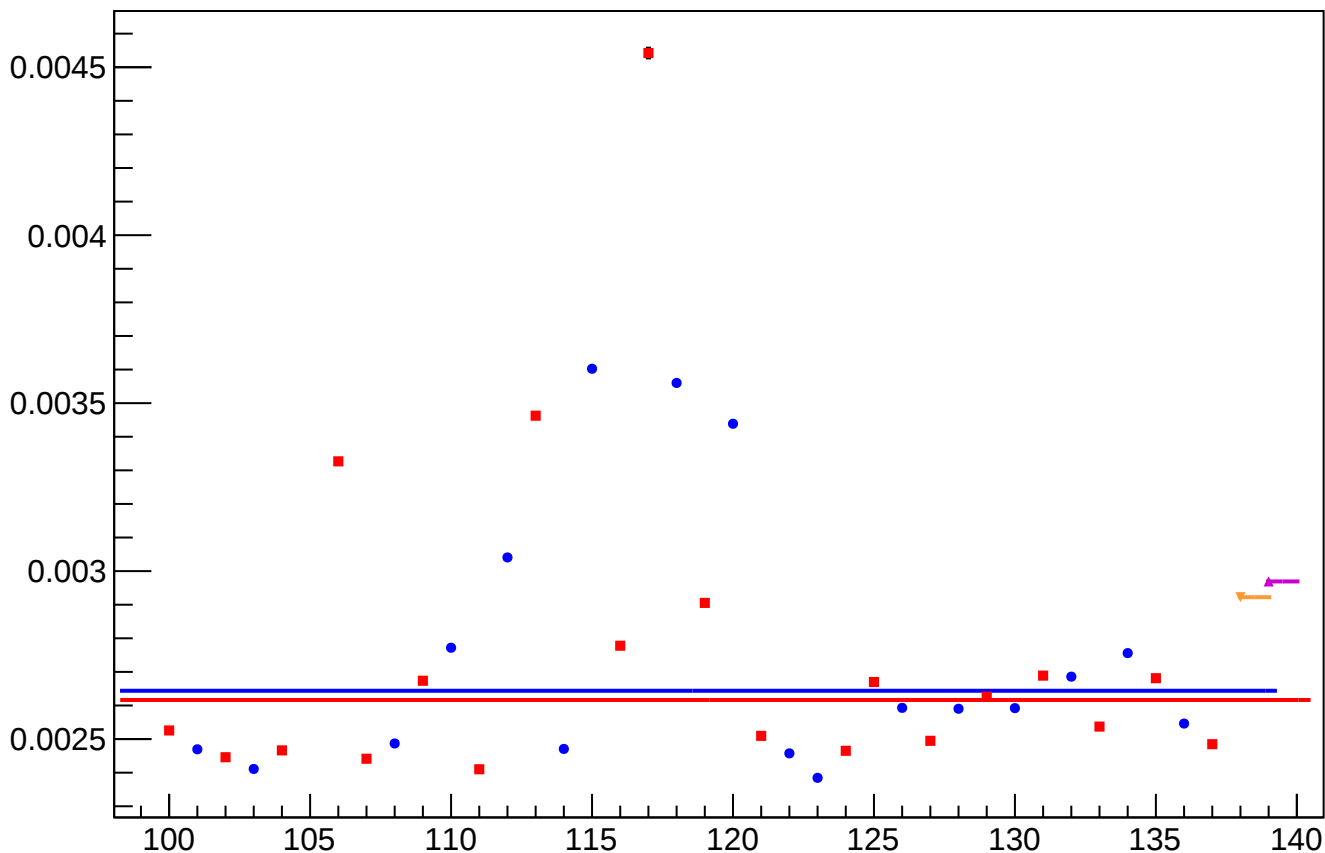
Right Out: -1.584+/-0.000 χ^2/NDF : 143612120137.8/19

-1.648+/-0.000 χ^2/NDF : 364140628544.5

-1.636+/-0.000 χ^2/NDF : 182257989511.9/20

Left In: -2.343+/-0.000 χ^2/NDF : 0.0/0

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 : 0.0/0

Right Out: 0.003+/-0.000 χ^2/NDF : 119852.1/19

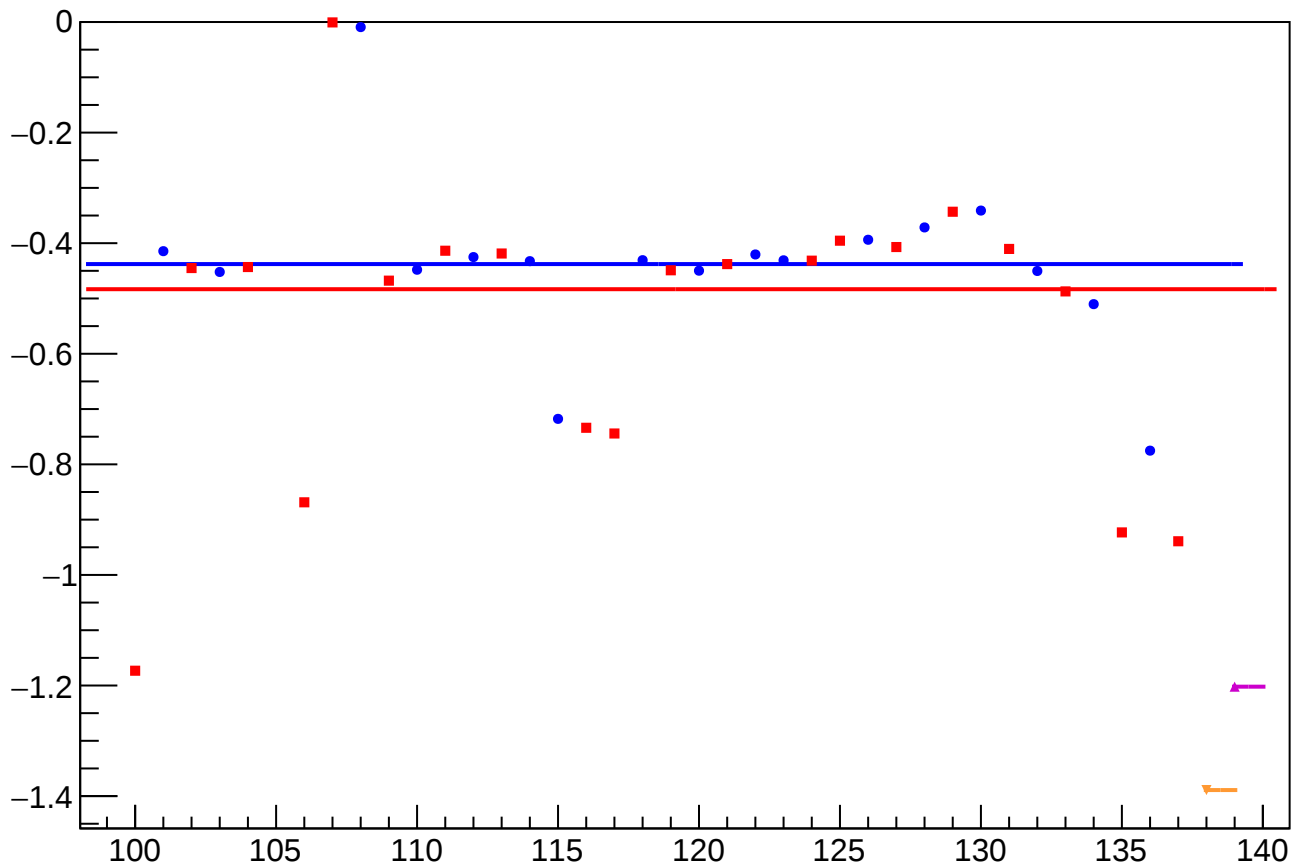
Left In: 0.003+/-0.000 χ^2/NDF : 0.0/0

0.003+/-0.000 χ^2/NDF : 162293.5/17

0.003+/-0.000 χ^2/NDF : 299468.6/38

0.003+/-0.000 χ^2/NDF : 136537.3/20

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.438+/-0.000 χ^2/NDF : 1462454117.6/16

Left Out: -1.389+/-0.000 χ^2/NDF : 0.0/0

Right Out: -0.483+/-0.000 χ^2/NDF : 2714164016.2/19

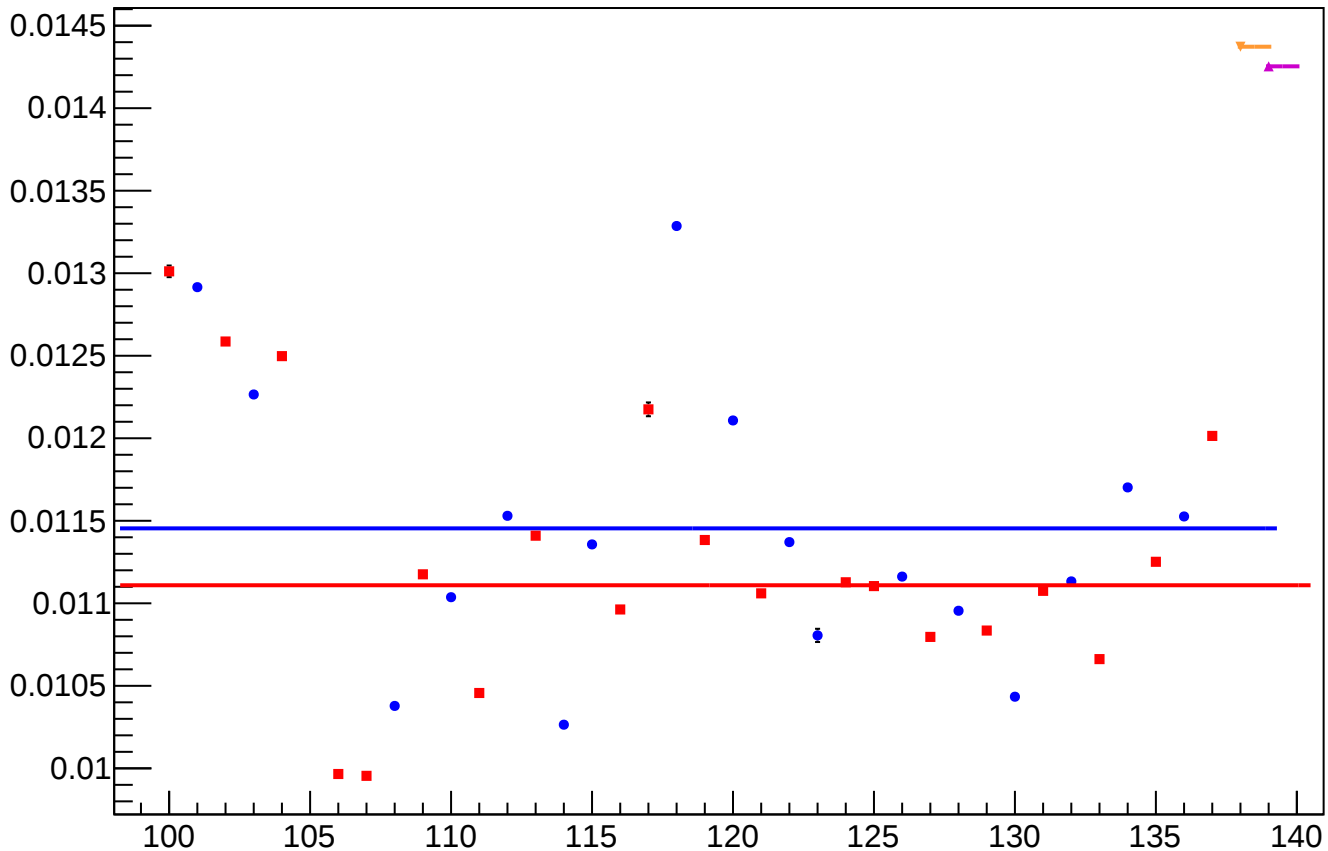
Left In: -1.202+/-0.000 χ^2/NDF : 0.0/0

-0.497+/-0.000 χ^2/NDF : 4233631070.8/17

-0.510+/-0.000 χ^2/NDF : 8536374716.1/30

-0.522+/-0.000 χ^2/NDF : 4285214348.6/20

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 : 0.0/0

Right Out: 0.011 +/- 0.000 χ^2/NDF : 56696.9/19

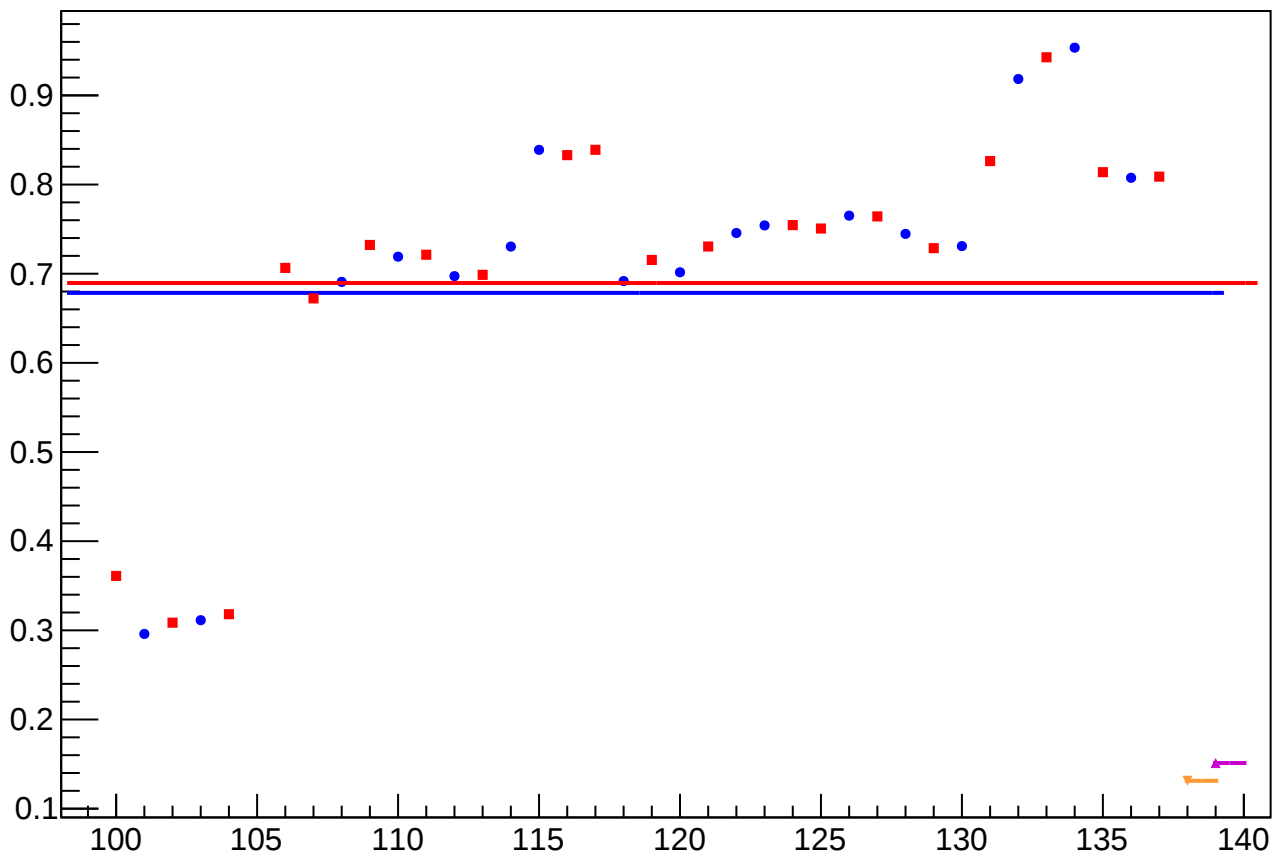
Left In: 0.014 +/- 0.000 χ^2/NDF : 0.0/0

0.012 +/- 0.000 χ^2/NDF : 116851.4/17

0.011 +/- 0.000 χ^2/NDF : 240788.2/38

0.011 +/- 0.000 χ^2/NDF : 116811.2/20

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38506442638.3/16

Left Out: 0.131 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.690 $\pm$ 0.000 χ^2 /NDF: 35439496983.3/19

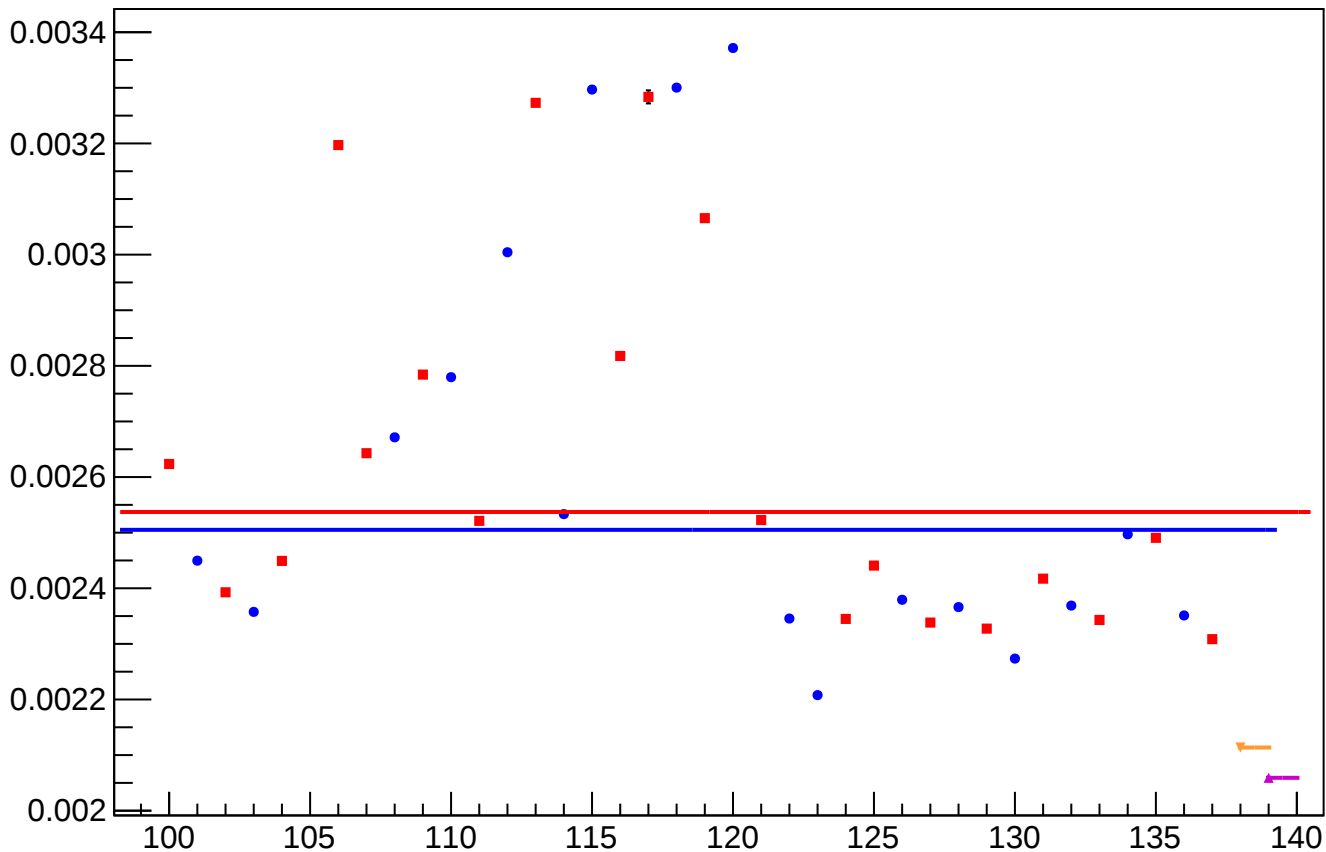
Left In: 0.151 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.603 $\pm$ 0.000 χ^2 /NDF: 80542863879.6/17

0.611 $\pm$ 0.000 χ^2 /NDF: 156355793370.0/18

0.618 $\pm$ 0.000 χ^2 /NDF: 75671923562.7/20

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 175524.0/16

Left Out: 0.002+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.003+/-0.000 χ^2/NDF : 135649.7/19

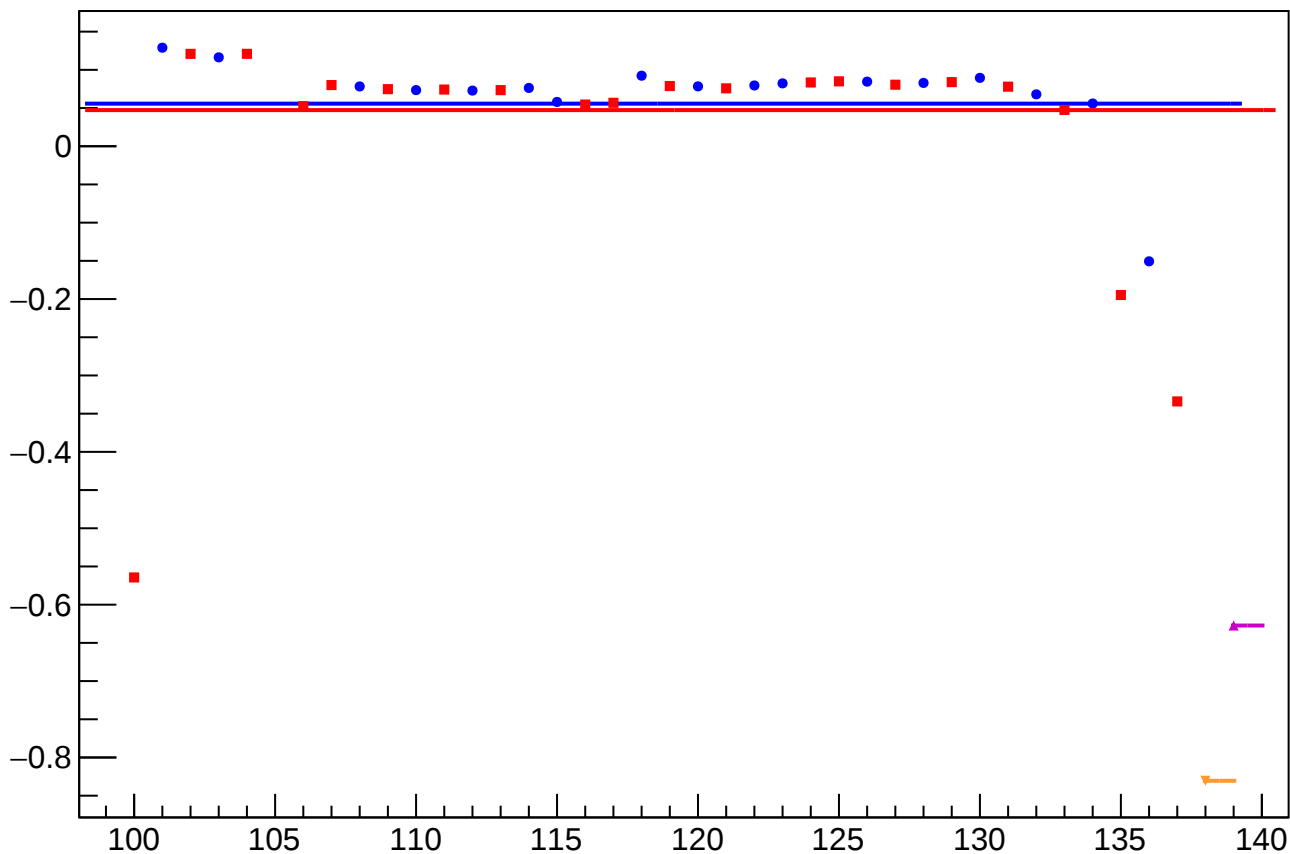
Left In: 0.002+/-0.000 χ^2/NDF : 0.0/0

0.002+/-0.000 χ^2/NDF : 218549.0/17

0.002+/-0.000 χ^2/NDF : 418263.9/38

0.002+/-0.000 χ^2/NDF : 199093.2/20

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.831+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.047+/-0.000 χ^2/NDF : 819626031.7/19

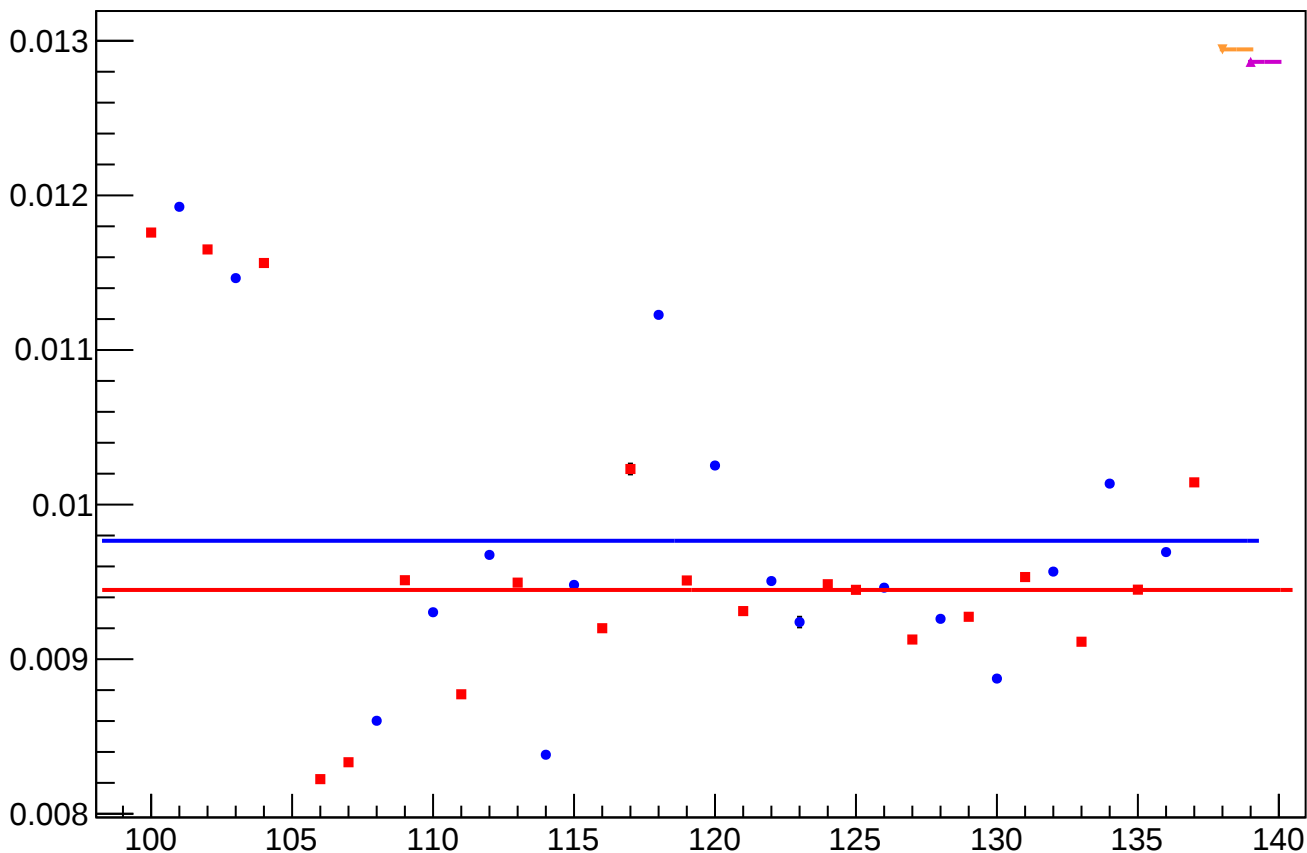
Left In: -0.627+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 3421098683.6/17

0.010+/-0.000 χ^2/NDF : 5959898037.0/38

0.015+/-0.000 χ^2/NDF : 2535719144.9/20

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF : 116638.3/16

Left Out: 0.013+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.009+/-0.000 χ^2/NDF : 111197.0/19

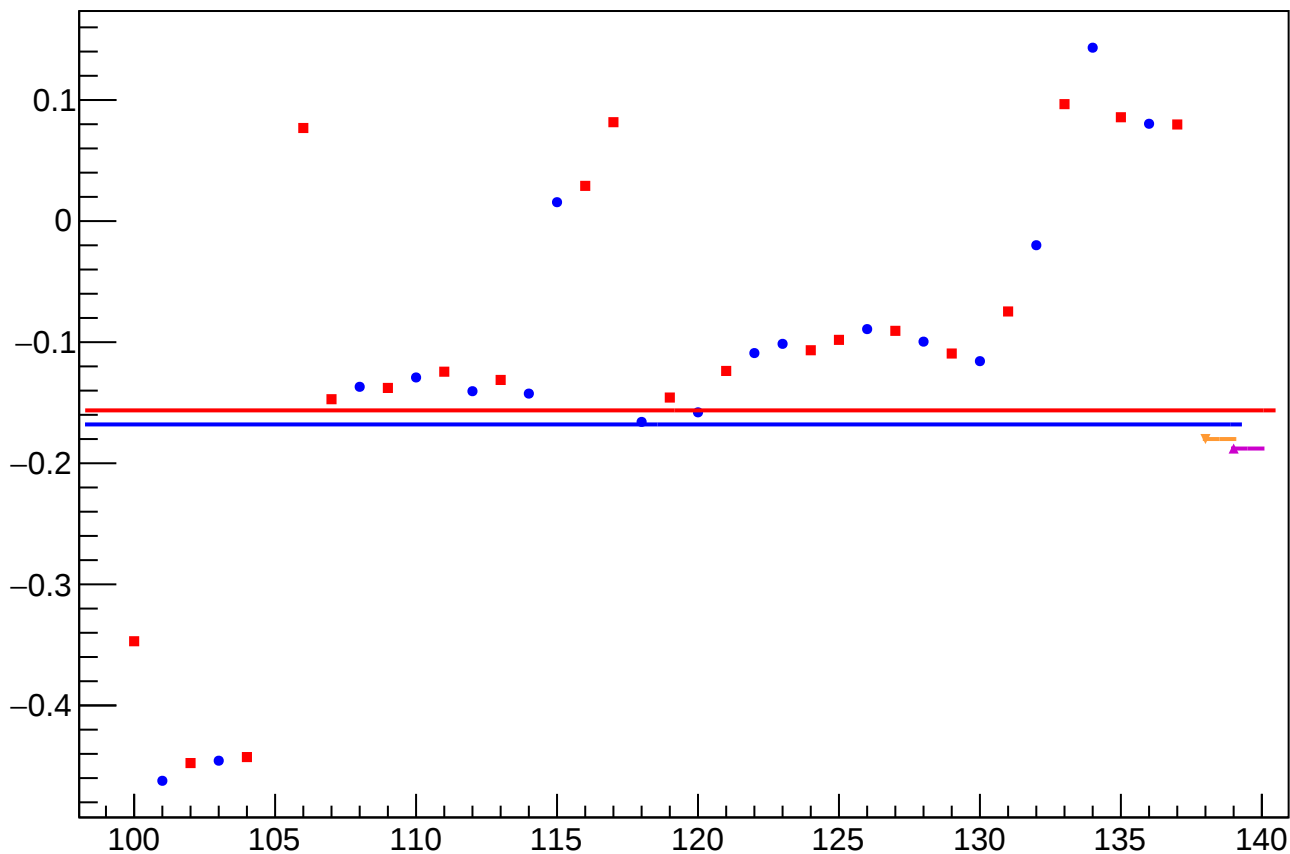
Left In: 0.013+/-0.000 χ^2/NDF : 0.0/0

0.010+/-0.000 χ^2/NDF : 193767.8/17

0.010+/-0.000 χ^2/NDF : 401390.6/38

0.010+/-0.000 χ^2/NDF : 199200.0/20

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.180+/-0.000 χ^2/NDF : 0.0/0

Right Out: -0.156+/-0.000 χ^2/NDF : 11061140252.3/19

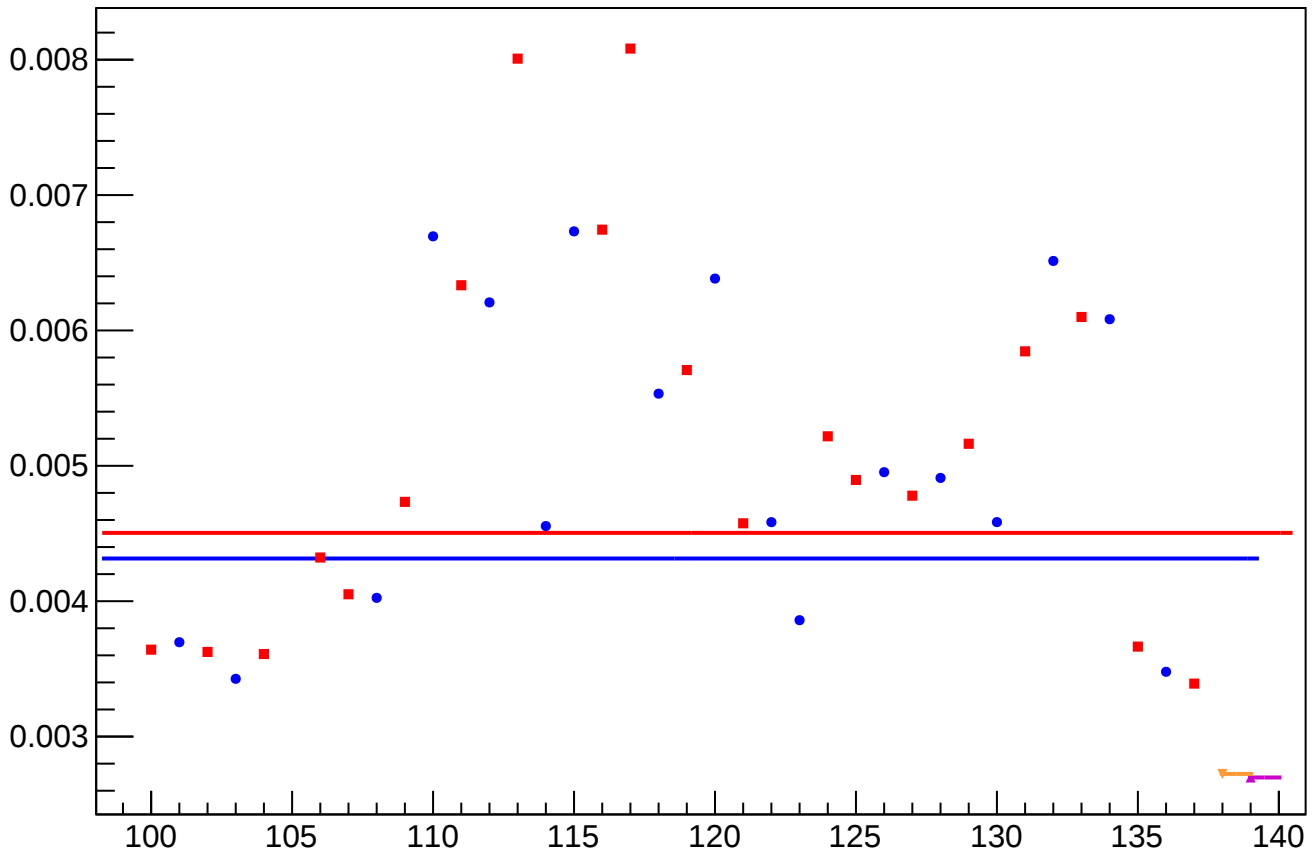
Left In: -0.188+/-0.000 χ^2/NDF : 0.0/0

-0.171+/-0.000 χ^2/NDF : 12342253361.4/17

-0.167+/-0.000 χ^2/NDF : 23483513593.0/3

-0.164+/-0.000 χ^2/NDF : 11130843275.7/20

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 : 0.0/0

Right Out: 0.005+/-0.000 χ^2/NDF : 665152.6/19

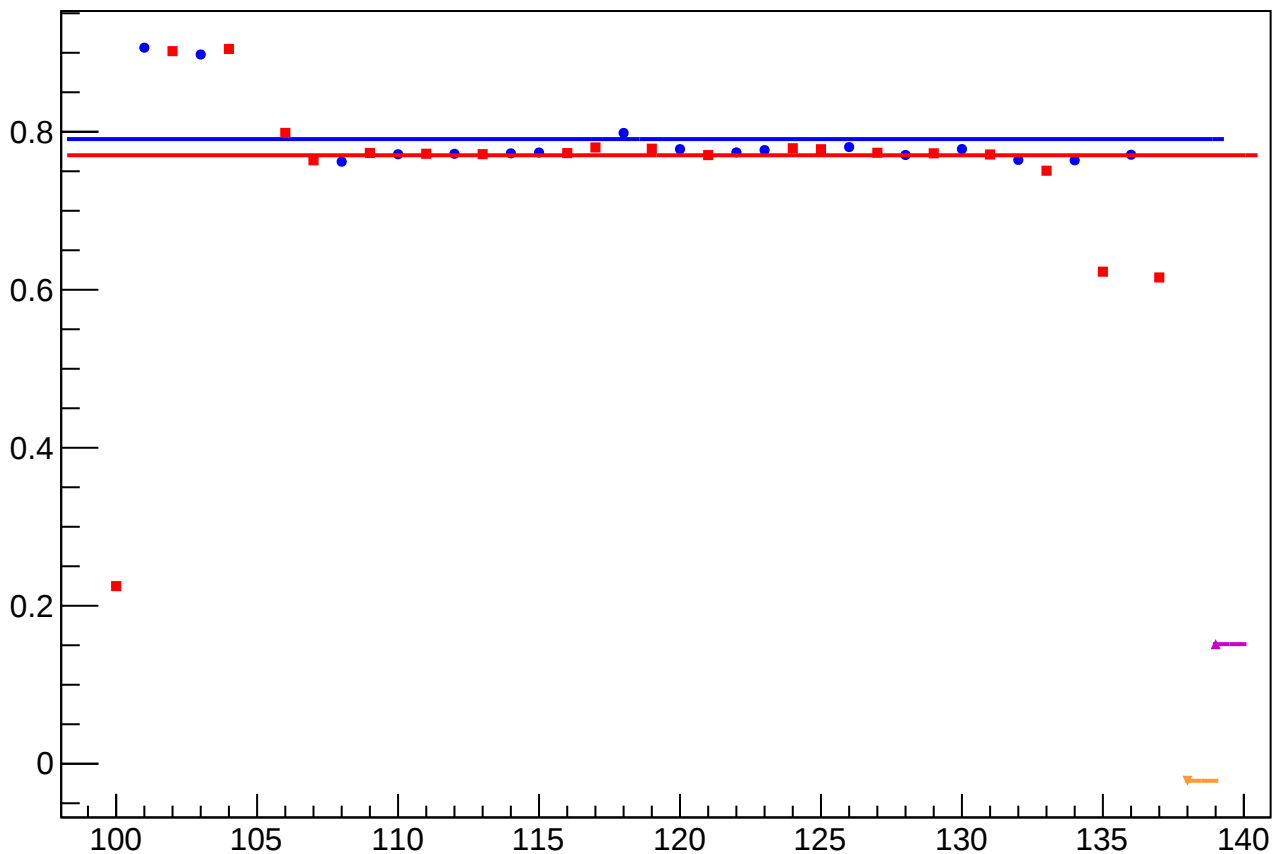
Left In: 0.003+/-0.000 χ^2/NDF : 0.0/0

0.004+/-0.000 χ^2/NDF : 983409.1/17

0.004+/-0.000 χ^2/NDF : 2115413.5/38

0.004+/-0.000 χ^2/NDF : 1123688.0/20

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.791 ± 0.000 χ^2/NDF : 106705767.1/16

Left Out: -0.022 ± 0.000 χ^2/NDF : 0.0/0

Right Out: 0.770 ± 0.000 χ^2/NDF : 375473971.0/19

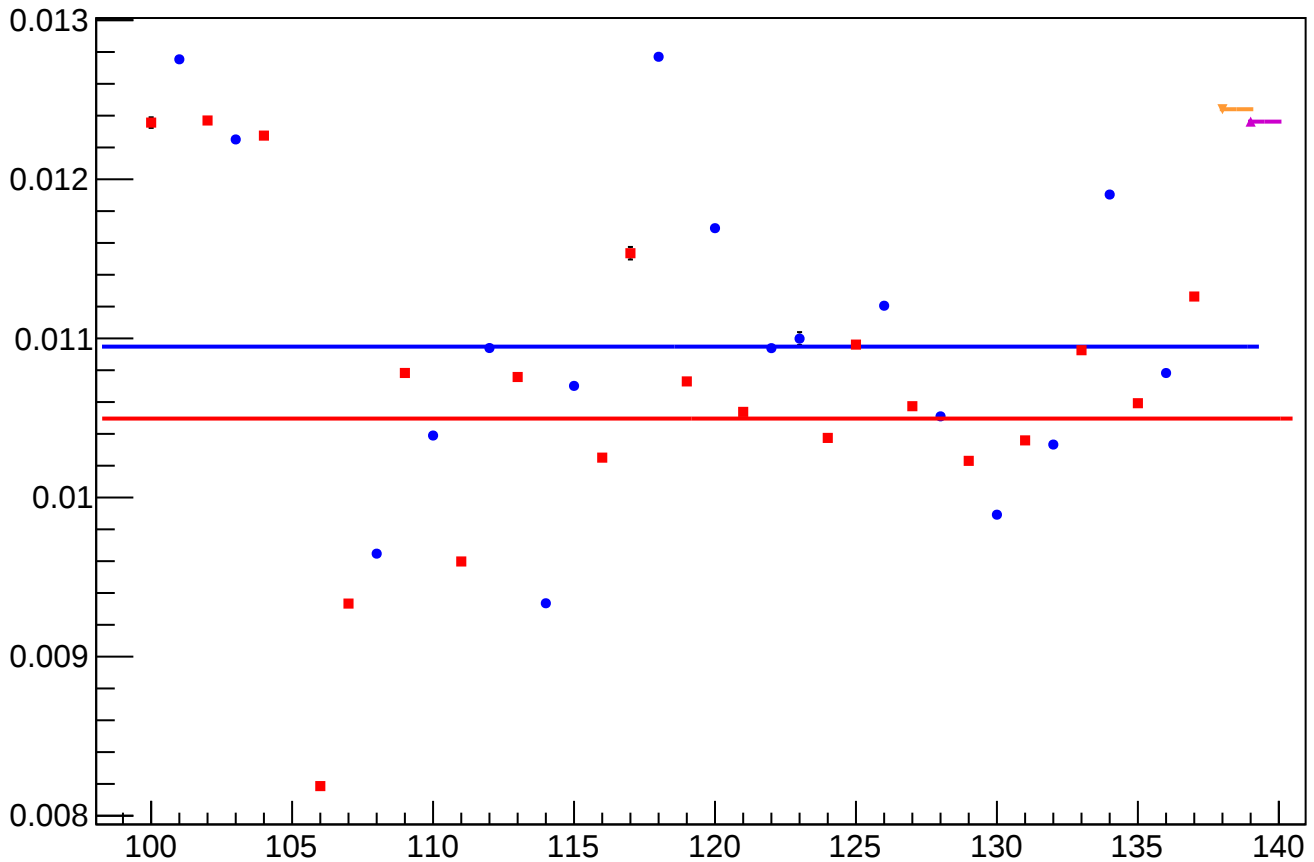
Left In: 0.151 ± 0.000 χ^2/NDF : 0.0/0

0.729 ± 0.000 χ^2/NDF : 2797066751.2/17

0.730 ± 0.000 χ^2/NDF : 4718885350.1/38

0.731 ± 0.000 χ^2/NDF : 1921748126.9/20

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 98551.4/16

Left Out: 0.012+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.010+/-0.000 χ^2/NDF : 120120.6/19

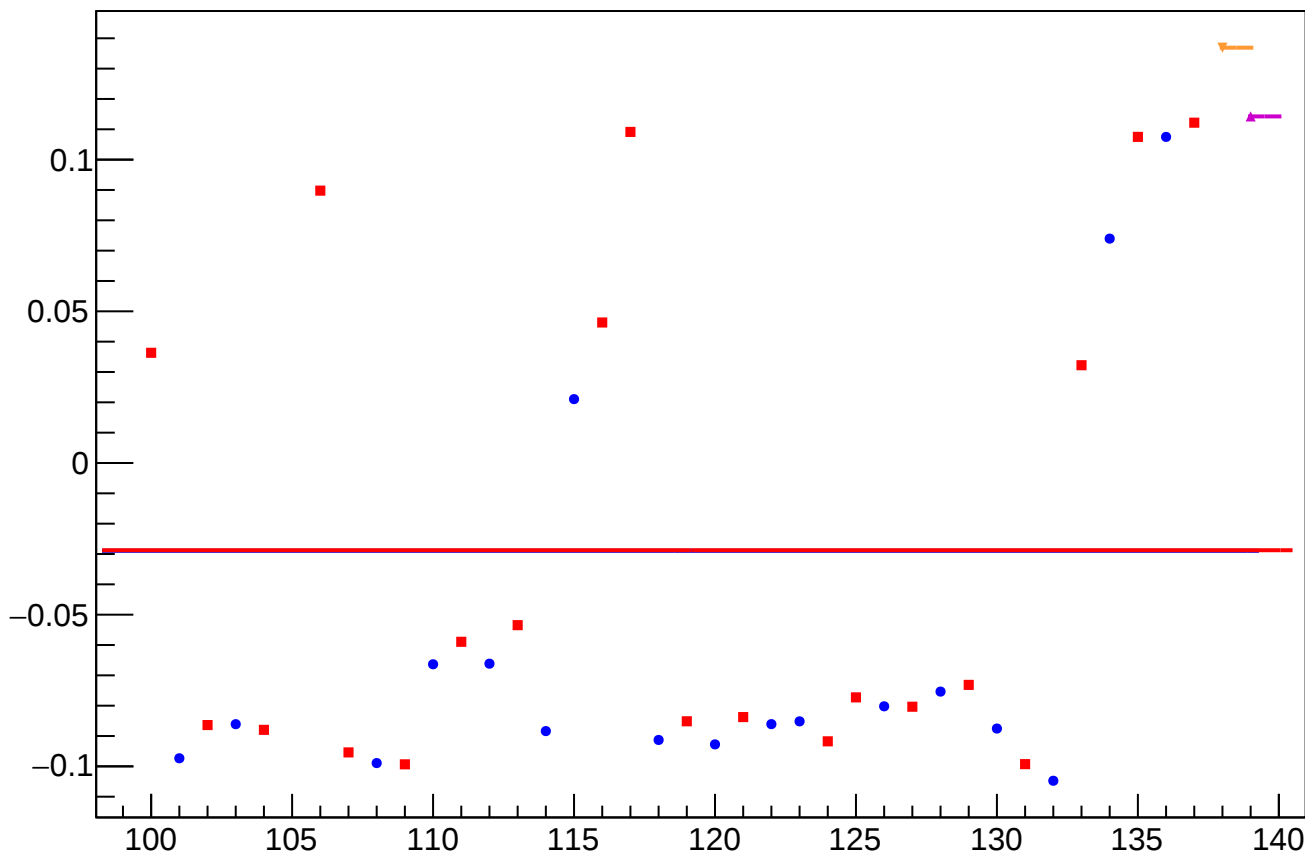
Left In: 0.012+/-0.000 χ^2/NDF : 0.0/0

0.011+/-0.000 χ^2/NDF : 116704.8/17

0.011+/-0.000 χ^2/NDF : 277350.1/38

0.011+/-0.000 χ^2/NDF : 148244.7/20

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: 0.137+/-0.000 χ^2/NDF :0.0/0

0.006+/-0.000 χ^2/NDF : 4211469502.7/17

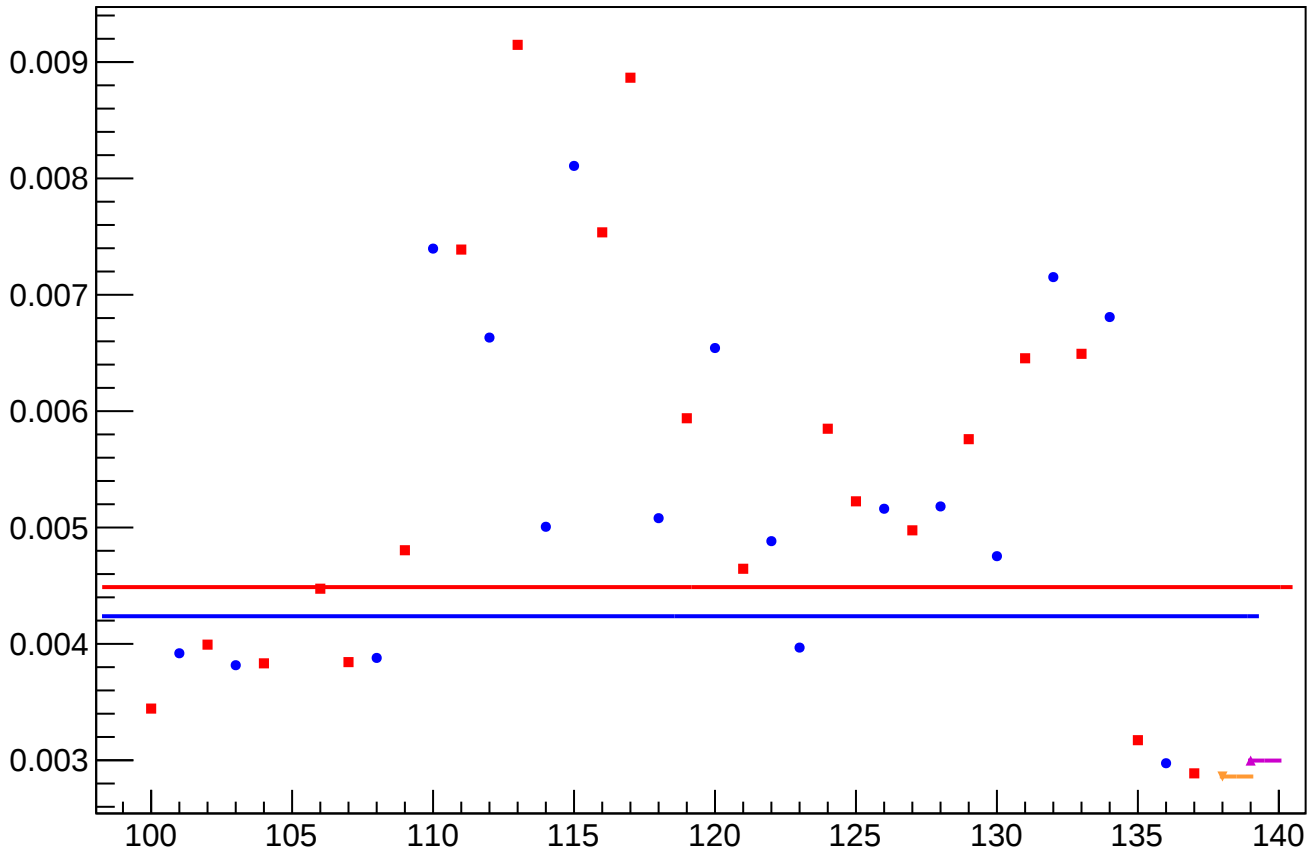
0.003+/-0.000 χ^2/NDF : 7515806404.3/38

Right Out: -0.029+/-0.000 χ^2/NDF : 2122918772.1/19

-0.001+/-0.000 χ^2/NDF : 3296121970.6/20

Left In: 0.114+/-0.000 χ^2/NDF :0.0/0

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 881584.1/16

Left Out: 0.003+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.004+/-0.000 χ^2/NDF : 1003473.4/19

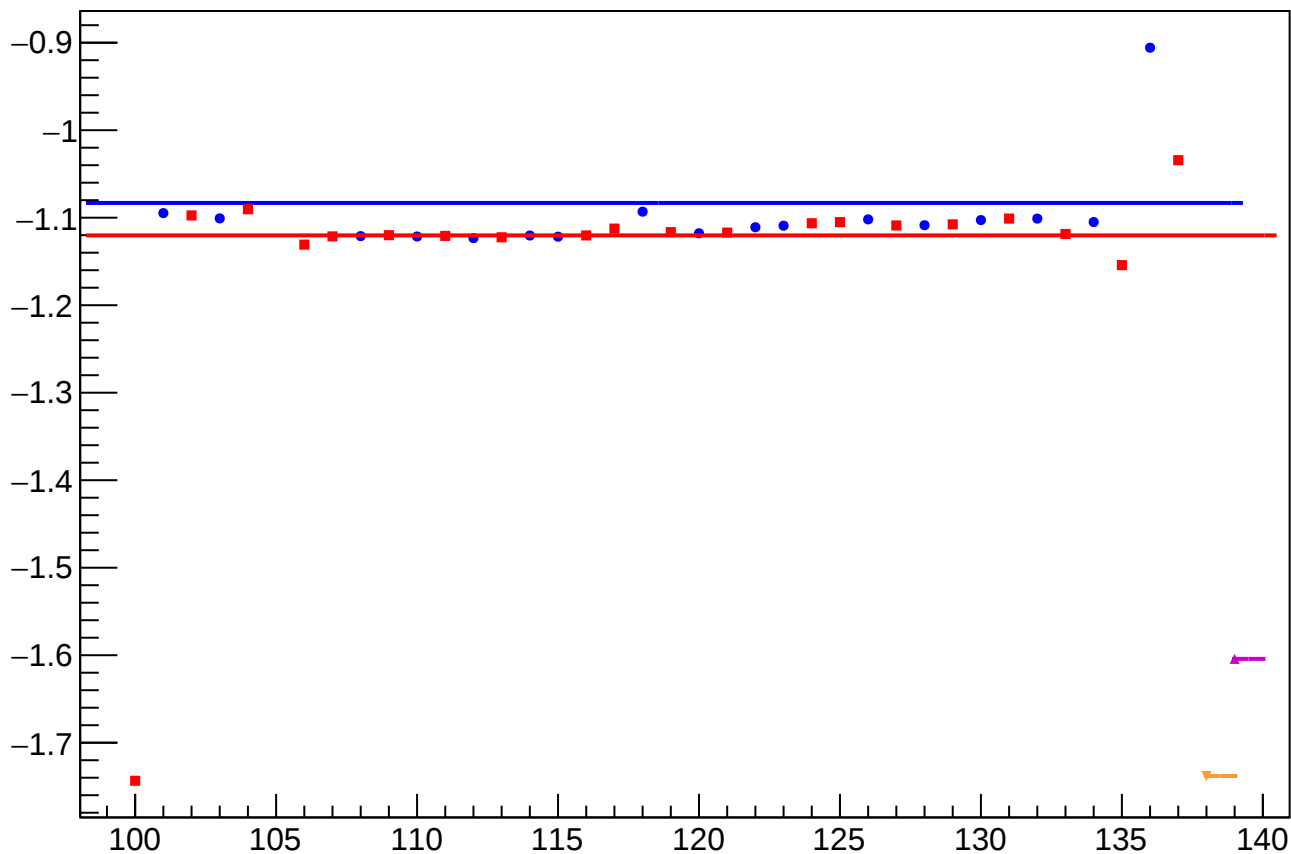
Left In: 0.003+/-0.000 χ^2/NDF : 0.0/0

0.004+/-0.000 χ^2/NDF : 1125153.9/17

0.004+/-0.000 χ^2/NDF : 2406458.5/38

0.004+/-0.000 χ^2/NDF : 1258438.0/20

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -1.083+/-0.000 χ^2/NDF : 202920901.6/16

Left Out: -1.738+/-0.000 χ^2/NDF : 0.0/0

Right Out: -1.120+/-0.000 χ^2/NDF : 220586820.0/19

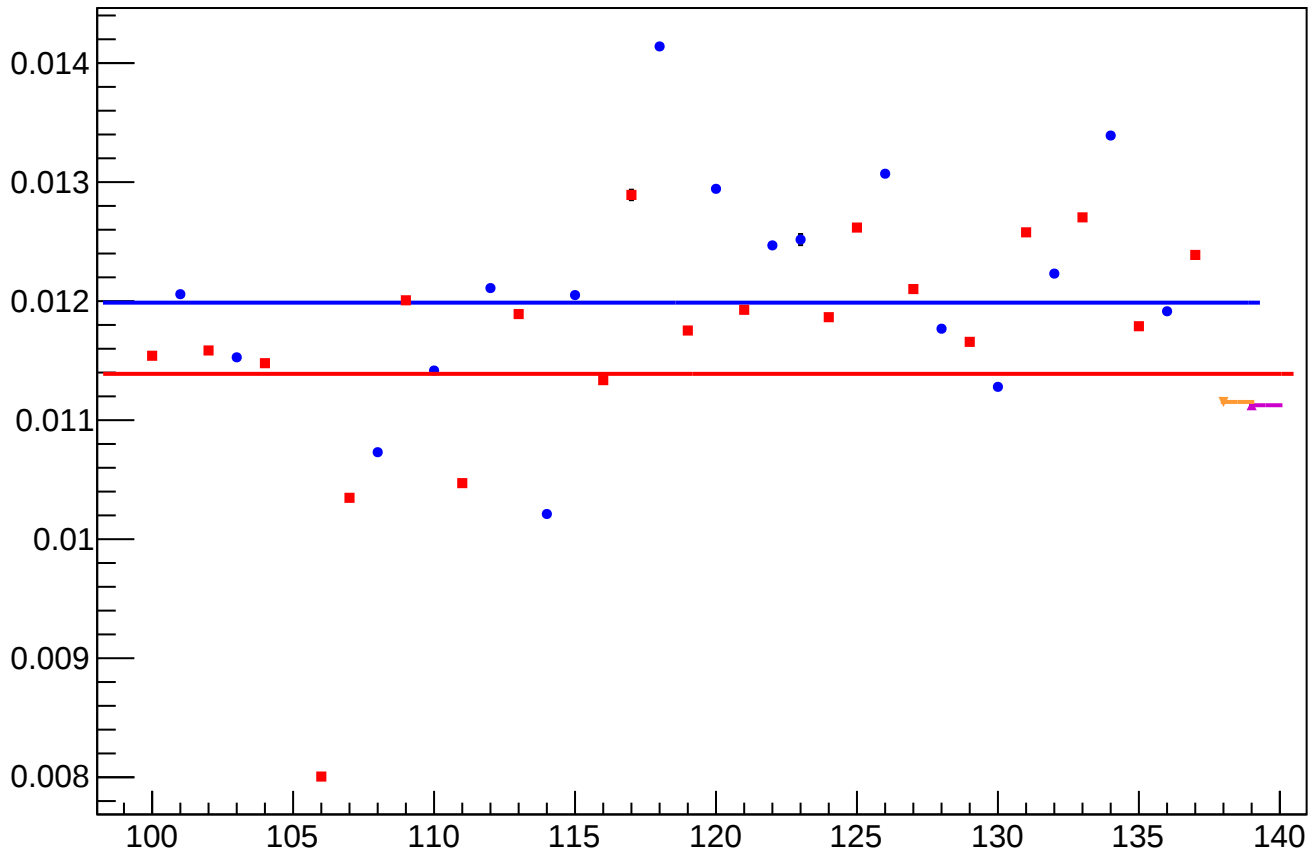
Left In: -1.604+/-0.000 χ^2/NDF : 0.0/0

-1.155+/-0.000 χ^2/NDF : 2308201132.9/17

-1.160+/-0.000 χ^2/NDF : 3668899048.2/30

-1.164+/-0.000 χ^2/NDF : 1358231140.1/20

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:0.0/0

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 155700.3/19

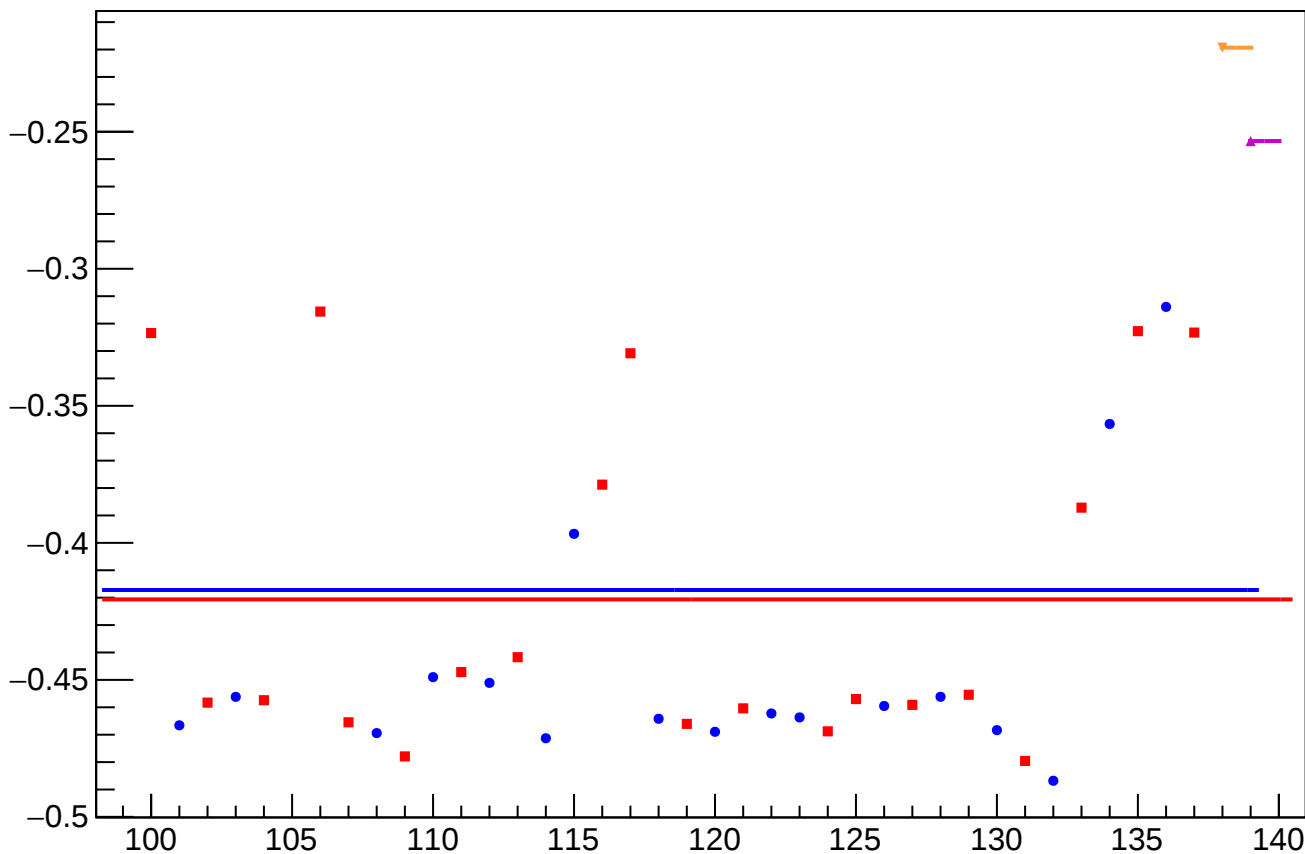
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.012 $\pm$ 0.000 χ^2 /NDF: 67236.9/17

0.012 $\pm$ 0.000 χ^2 /NDF: 238855.1/38

0.011 $\pm$ 0.000 χ^2 /NDF: 156375.2/20

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.219+/-0.000 χ^2/NDF : 0.0/0

Right Out: -0.421+/-0.000 χ^2/NDF : 1652792044.5/19

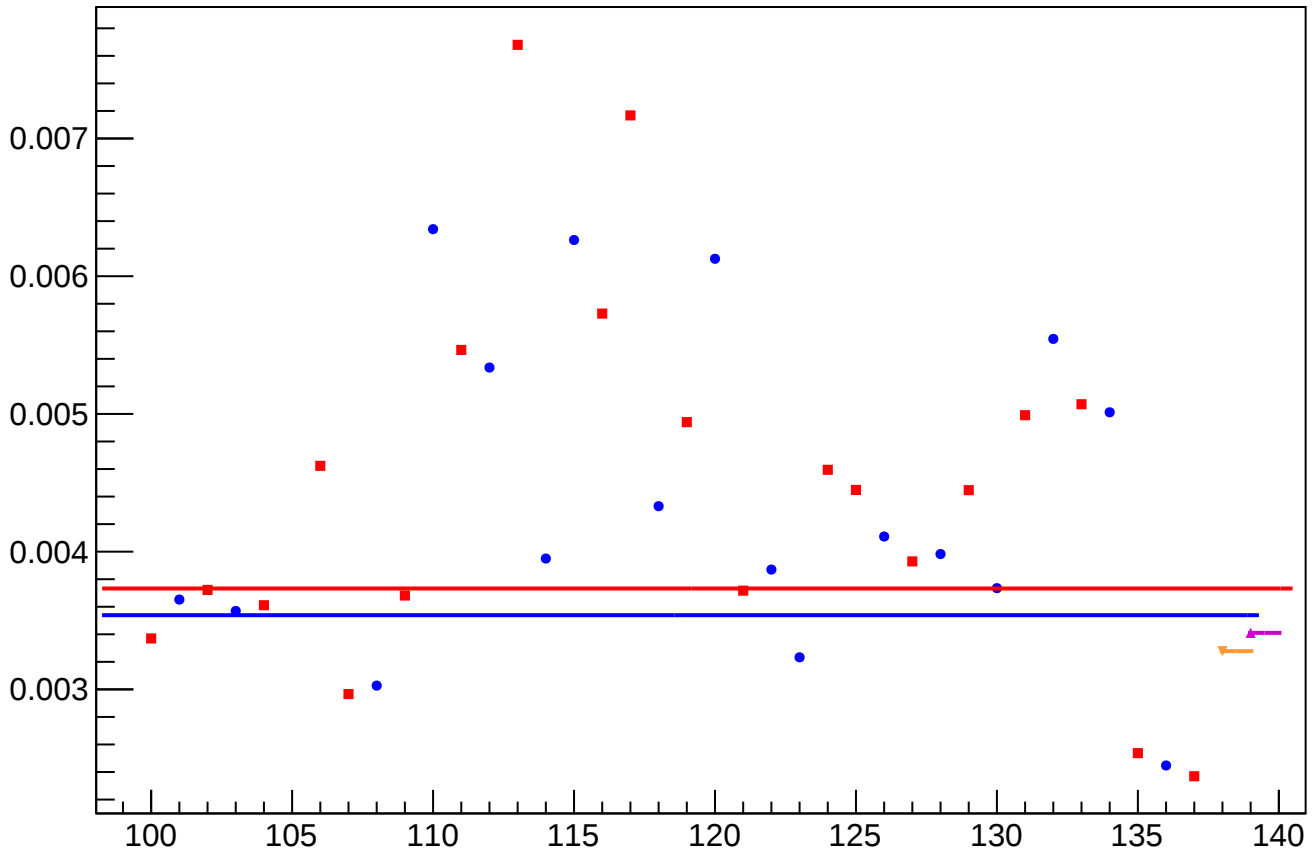
Left In: -0.253+/-0.000 χ^2/NDF : 0.0/0

-0.393+/-0.000 χ^2/NDF : 4124321646.9/17

-0.397+/-0.000 χ^2/NDF : 7142174726.2/30

-0.402+/-0.000 χ^2/NDF : 2999700831.5/20

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 836154.0/16

Left Out: 0.003+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.004+/-0.000 χ^2/NDF : 916963.6/19

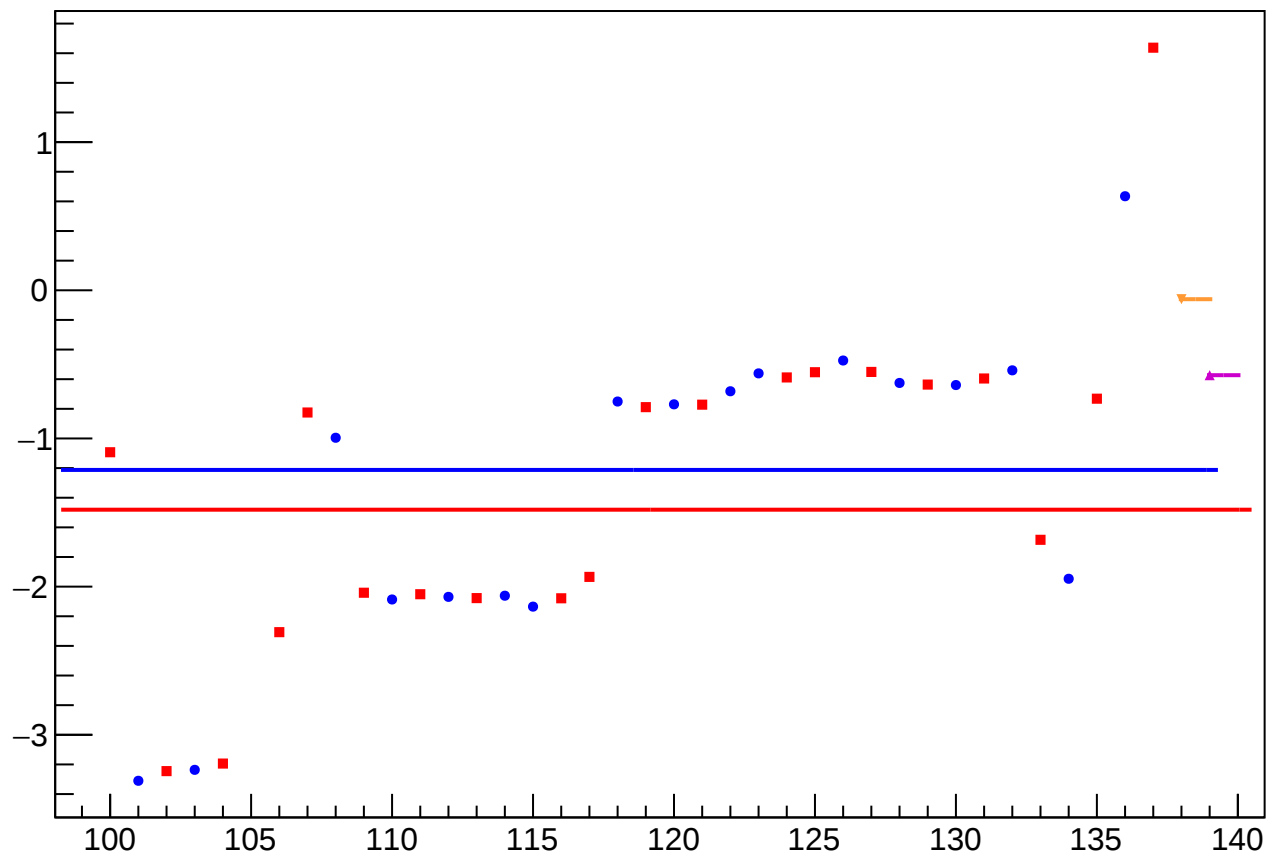
Left In: 0.003+/-0.000 χ^2/NDF : 0.0/0

0.004+/-0.000 χ^2/NDF : 843409.3/17

0.004+/-0.000 χ^2/NDF : 1787762.7/38

0.004+/-0.000 χ^2/NDF : 926960.7/20

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.212+/-0.000 χ^2/NDF : 1992853443.9/16

Left Out: -0.060+/-0.000 χ^2/NDF : 0.0/0

Right Out: -1.481+/-0.000 χ^2/NDF : 1579722113.8/19

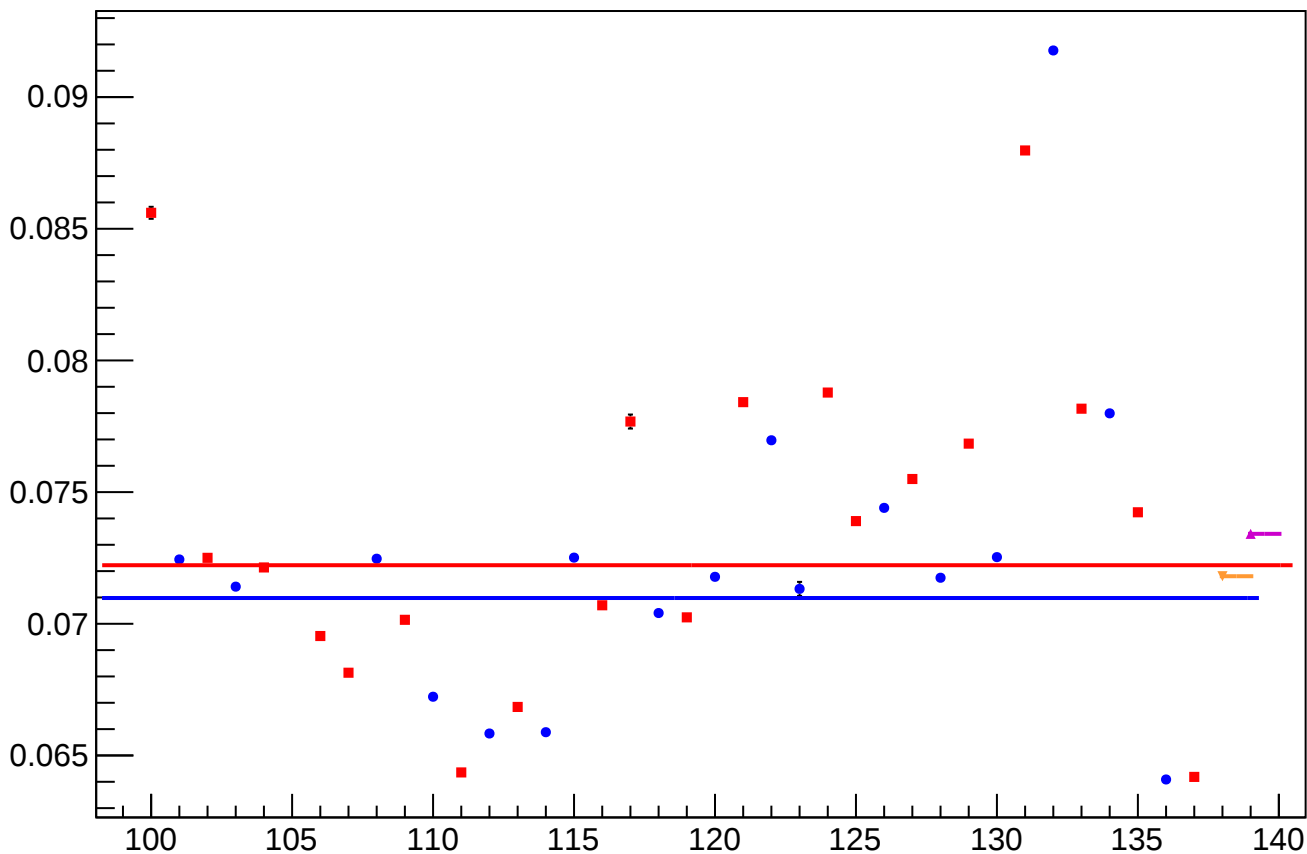
Left In: -0.573+/-0.000 χ^2/NDF : 0.0/0

-1.099+/-0.000 χ^2/NDF : 2162849130.9/17

-1.252+/-0.000 χ^2/NDF : 3904549790.2/30

-1.403+/-0.000 χ^2/NDF : 1674526813.9/20

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.071+/-0.000 χ^2/NDF : 77589.5/16

Left Out: 0.072+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.072+/-0.000 χ^2/NDF : 73650.9/19

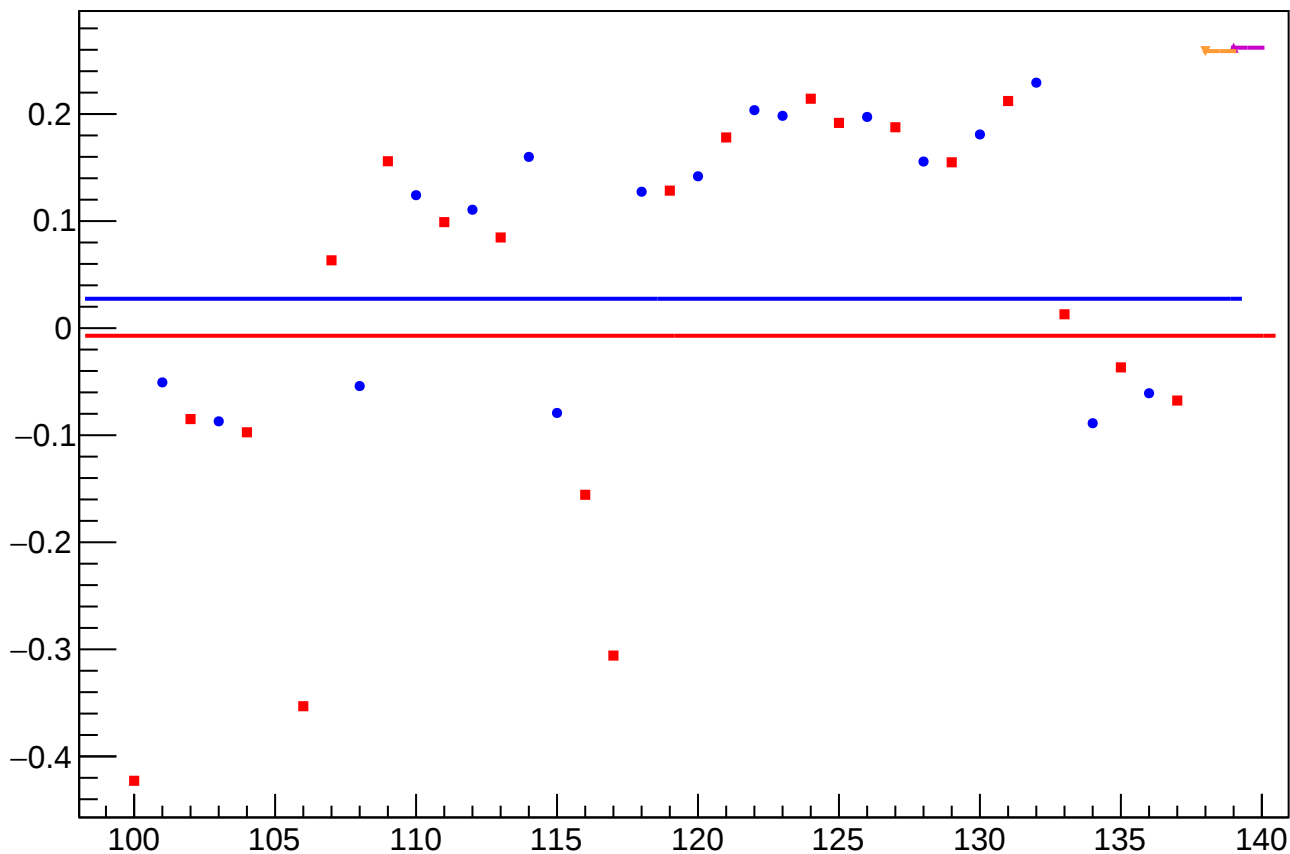
Left In: 0.073+/-0.000 χ^2/NDF : 0.0/0

0.071+/-0.000 χ^2/NDF : 77764.7/17

0.072+/-0.000 χ^2/NDF : 154078.5/38

0.072+/-0.000 χ^2/NDF : 73977.5/20

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 562337631.4/16

Left Out: 0.259 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: -0.007 $\pm$ 0.000 χ^2 /NDF: 1207003891.2/19

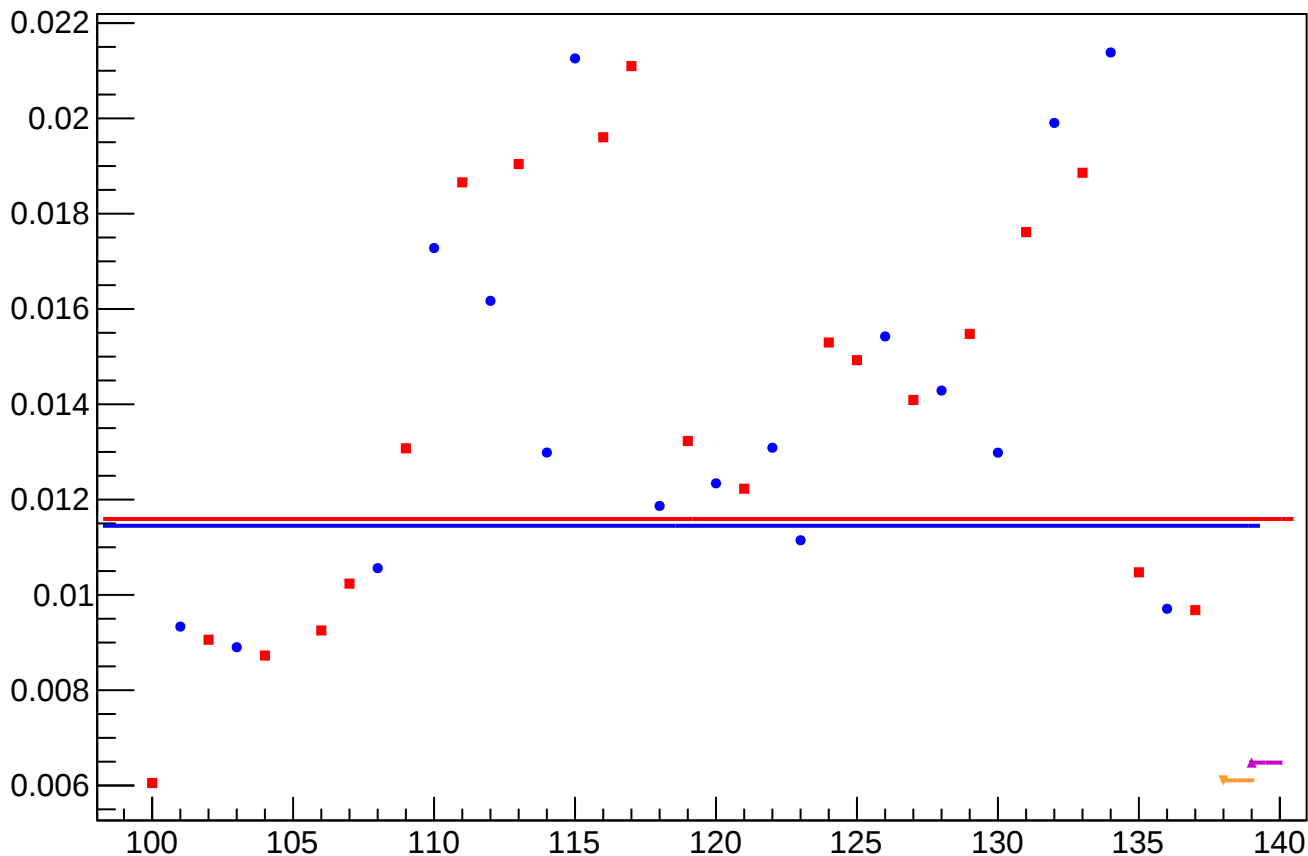
Left In: 0.262 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.095 $\pm$ 0.000 χ^2 /NDF: 1247145761.3/17

0.079 $\pm$ 0.000 χ^2 /NDF: 3309779030.1/38

0.062 $\pm$ 0.000 χ^2 /NDF: 2029067489.1/20

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 679628.0/16

Left Out: 0.006+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.012+/-0.000 χ^2/NDF : 1012799.2/19

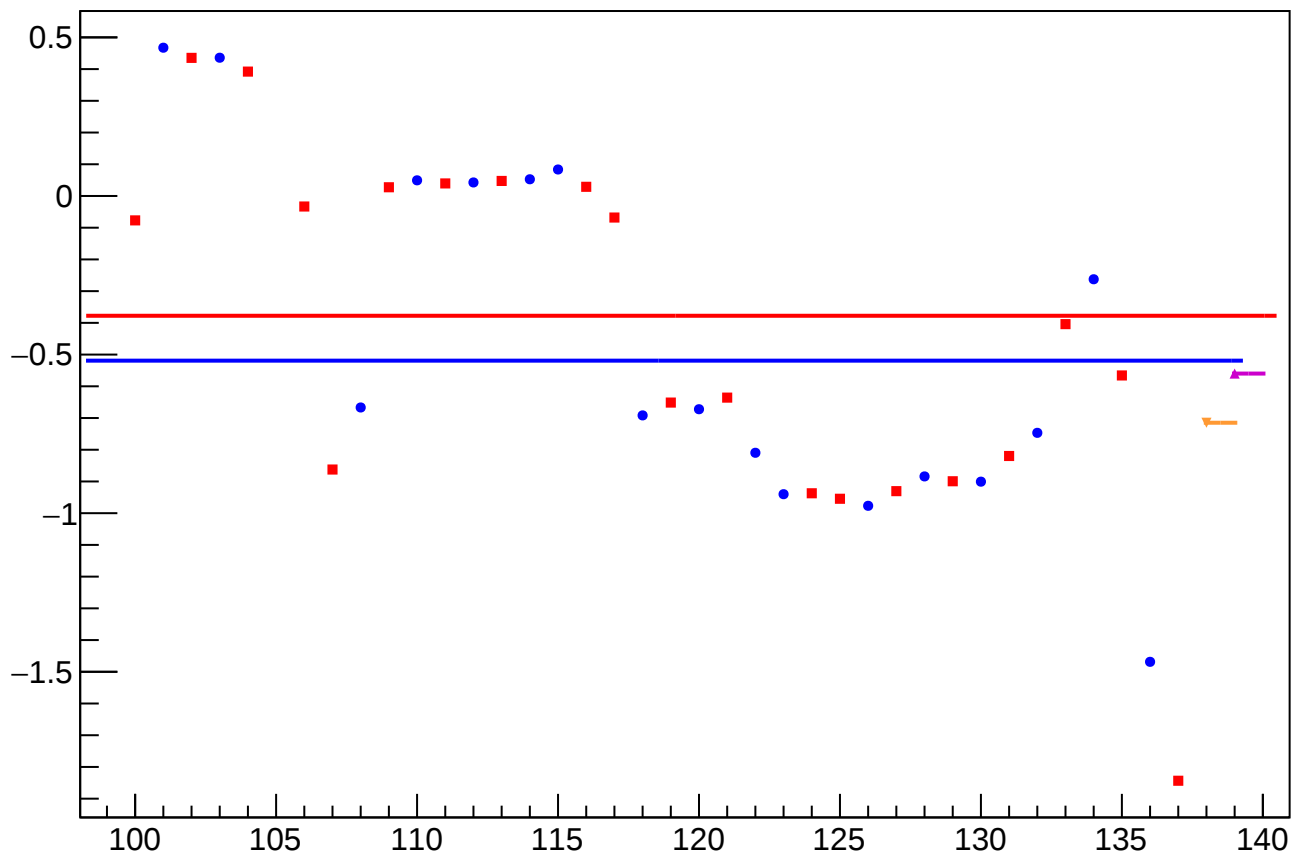
Left In: 0.006+/-0.000 χ^2/NDF : 0.0/0

0.010+/-0.000 χ^2/NDF : 1410652.5/17

0.010+/-0.000 χ^2/NDF : 3026561.6/38

0.010+/-0.000 χ^2/NDF : 1606434.0/20

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.519+/-0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.715+/-0.000 χ^2/NDF : 0.0/0

Right Out: -0.378+/-0.000 χ^2/NDF : 269130827.6/19

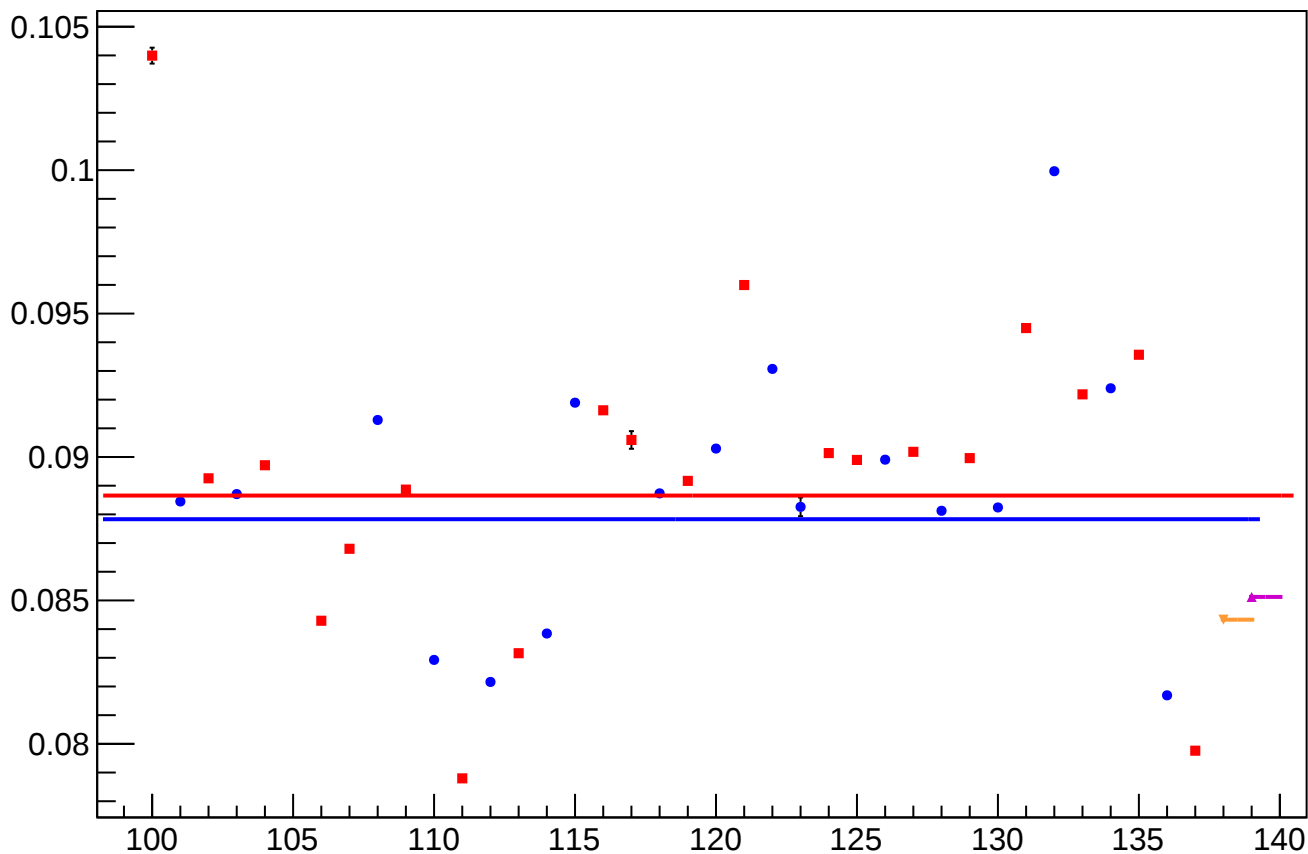
Left In: -0.560+/-0.000 χ^2/NDF : 0.0/0

-0.540+/-0.000 χ^2/NDF : 342917522.6/17

-0.466+/-0.000 χ^2/NDF : 625271205.5/38

-0.395+/-0.000 χ^2/NDF : 271955818.3/20

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.088 $\pm$ 0.000 χ^2/NDF : 34954.4/16

Left Out: 0.084 $\pm$ 0.000 χ^2/NDF : 0.0/0

Right Out: 0.089 $\pm$ 0.000 χ^2/NDF : 39762.8/19

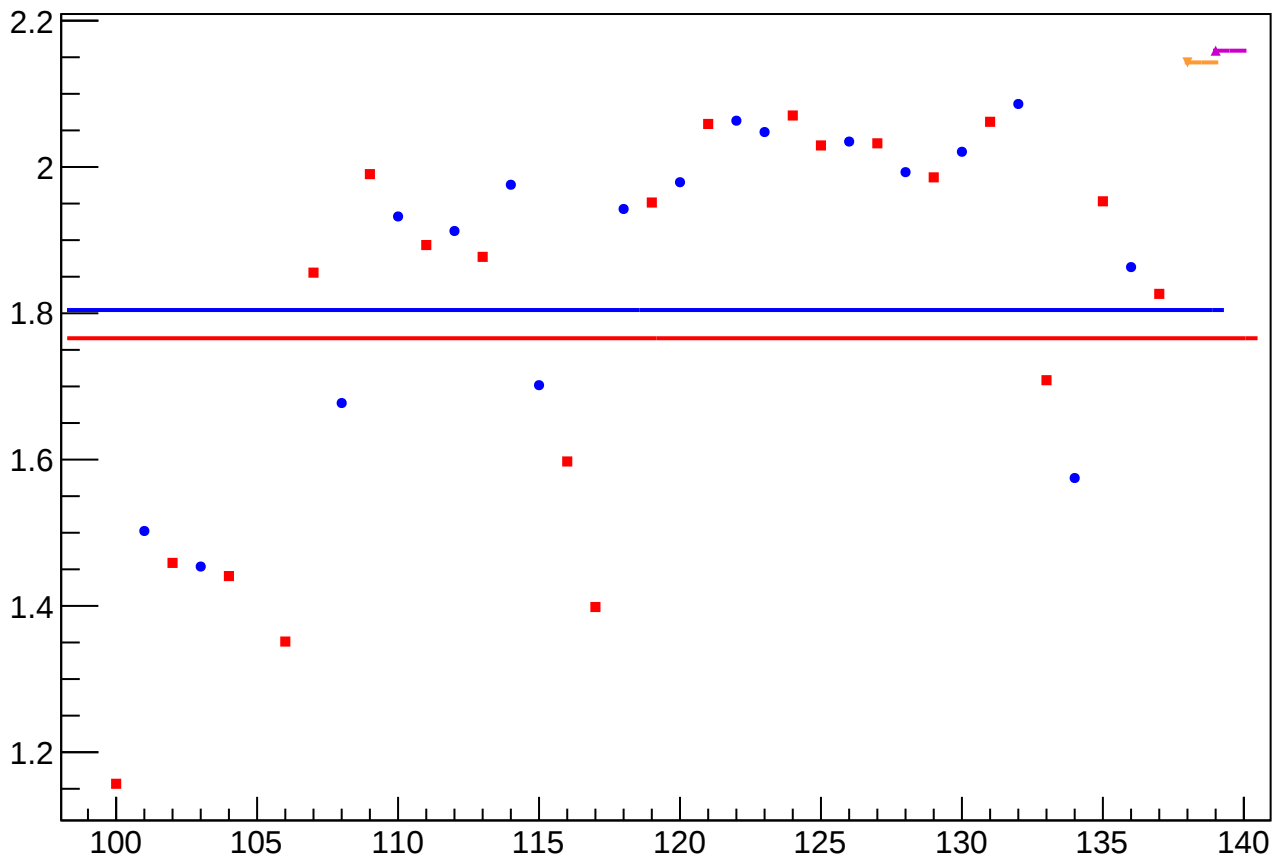
Left In: 0.085 $\pm$ 0.000 χ^2/NDF : 0.0/0

0.087 $\pm$ 0.000 χ^2/NDF : 37216.5/17

0.088 $\pm$ 0.000 χ^2/NDF : 79843.5/38

0.088 $\pm$ 0.000 χ^2/NDF : 41887.0/20

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156747883.2/16

Left Out: 2.143 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 1.766 $\pm$ 0.000 χ^2 /NDF: 1717275187.7/19

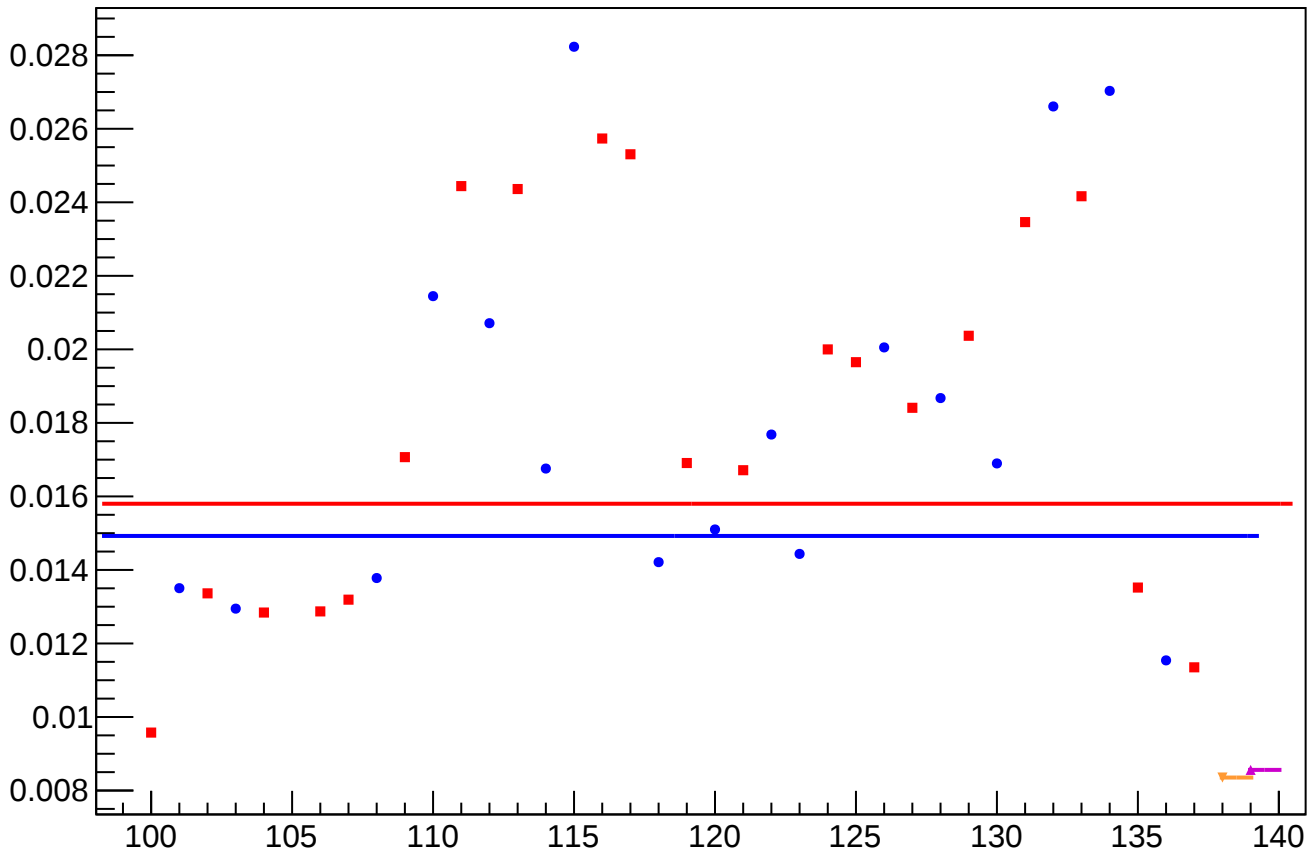
Left In: 2.159 $\pm$ 0.000 χ^2 /NDF: 0.0/0

1.900 $\pm$ 0.000 χ^2 /NDF: 1991878749.0/17

1.886 $\pm$ 0.000 χ^2 /NDF: 4728418166.0/38

1.871 $\pm$ 0.000 χ^2 /NDF: 2722122887.8/20

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 643651.9/16

Left Out: 0.008+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.016+/-0.000 χ^2/NDF : 796839.8/19

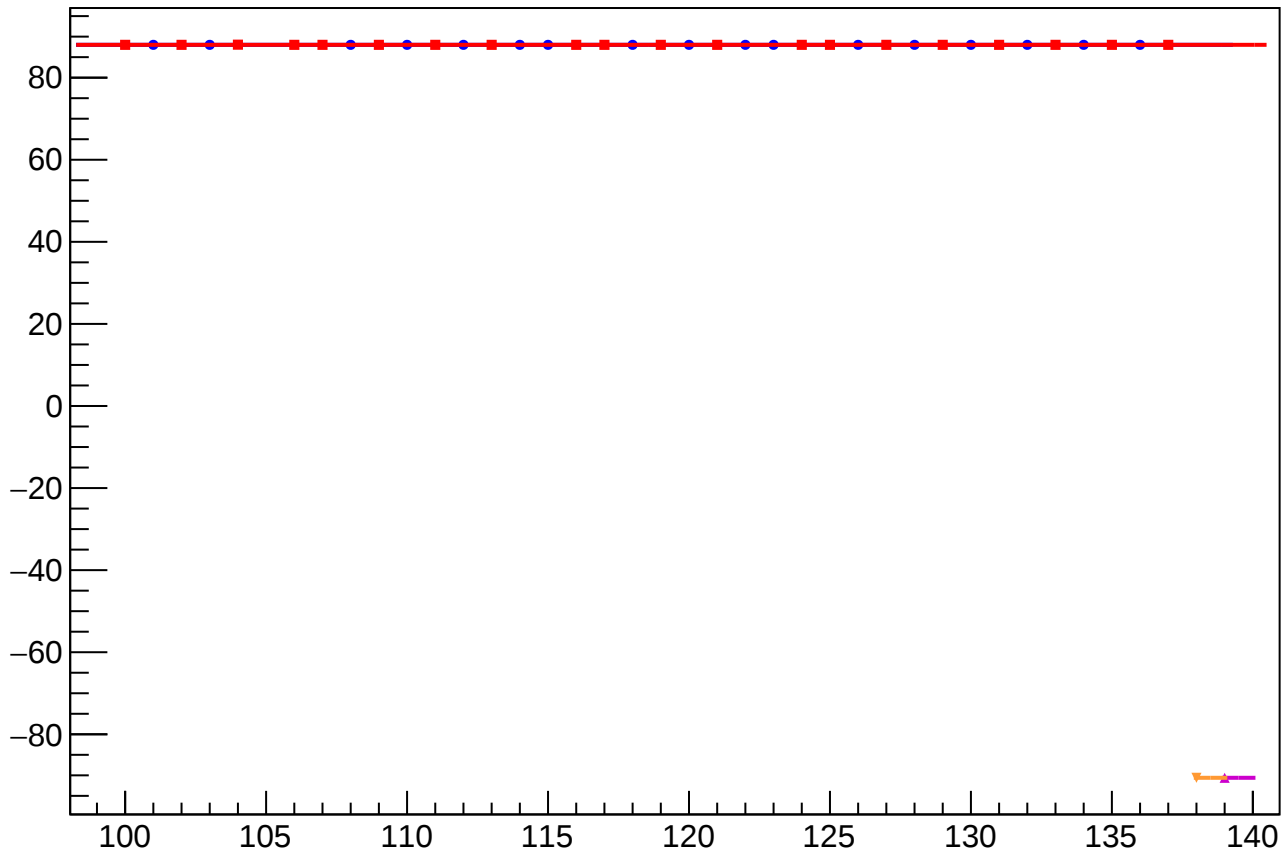
Left In: 0.009+/-0.000 χ^2/NDF : 0.0/0

0.013+/-0.000 χ^2/NDF : 1273208.1/17

0.013+/-0.000 χ^2/NDF : 2773343.1/38

0.014+/-0.000 χ^2/NDF : 1478419.5/20

epics_VWienAngles_mean vs Slug, Sign Corrected



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 1852068.7/16

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 0.0/0

69.956 $\pm$ 0.000 χ^2 /NDF: 223665851129533540

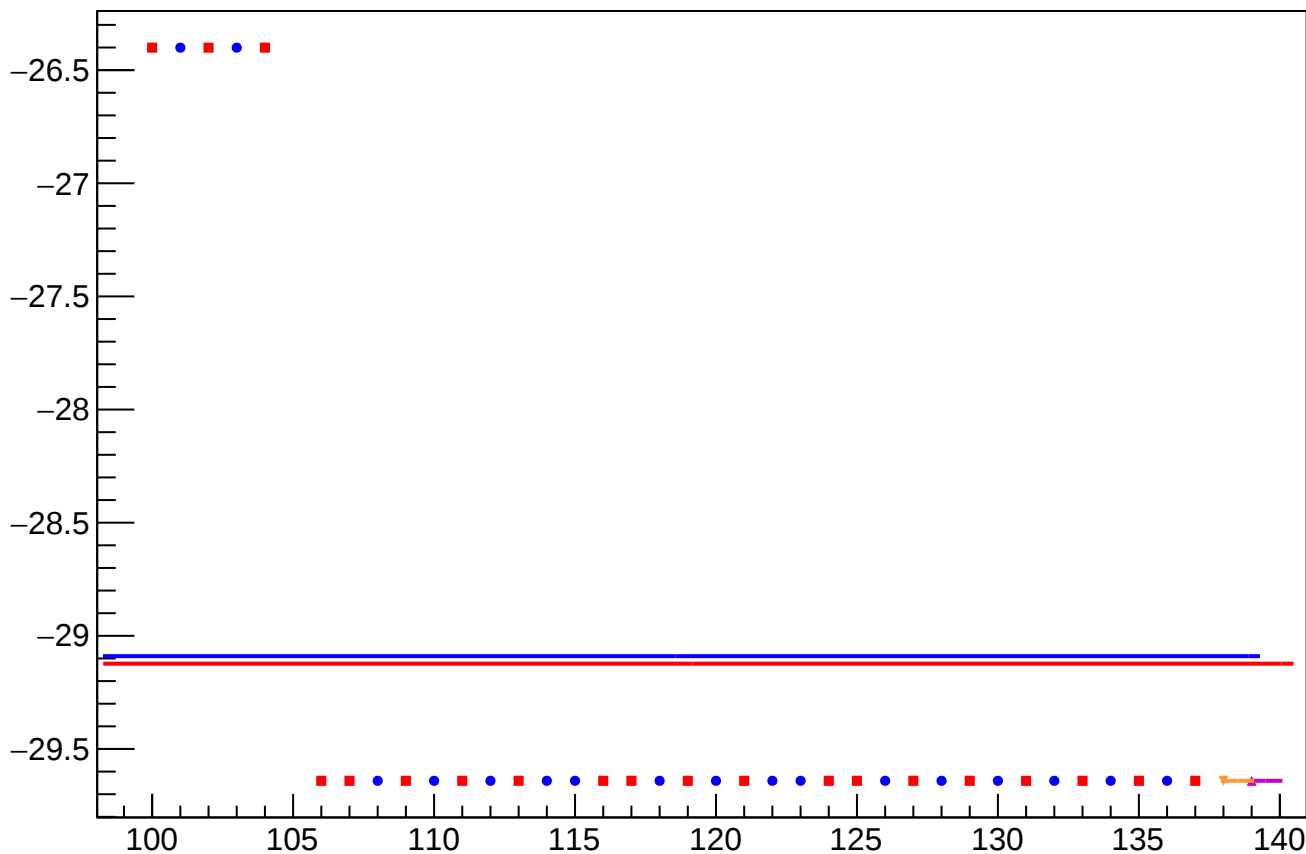
Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77578366411928007427611426816.0/19

71.248 $\pm$ 0.000 χ^2 /NDF: 4249195031837

72.502 $\pm$ 0.000 χ^2 /NDF: 200999662070403552

Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 13934.4/0

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 : 0.0/0

Right Out: -29.123+/-0.000 χ^2/NDF : 1023154512396702254583444720844800.0/19

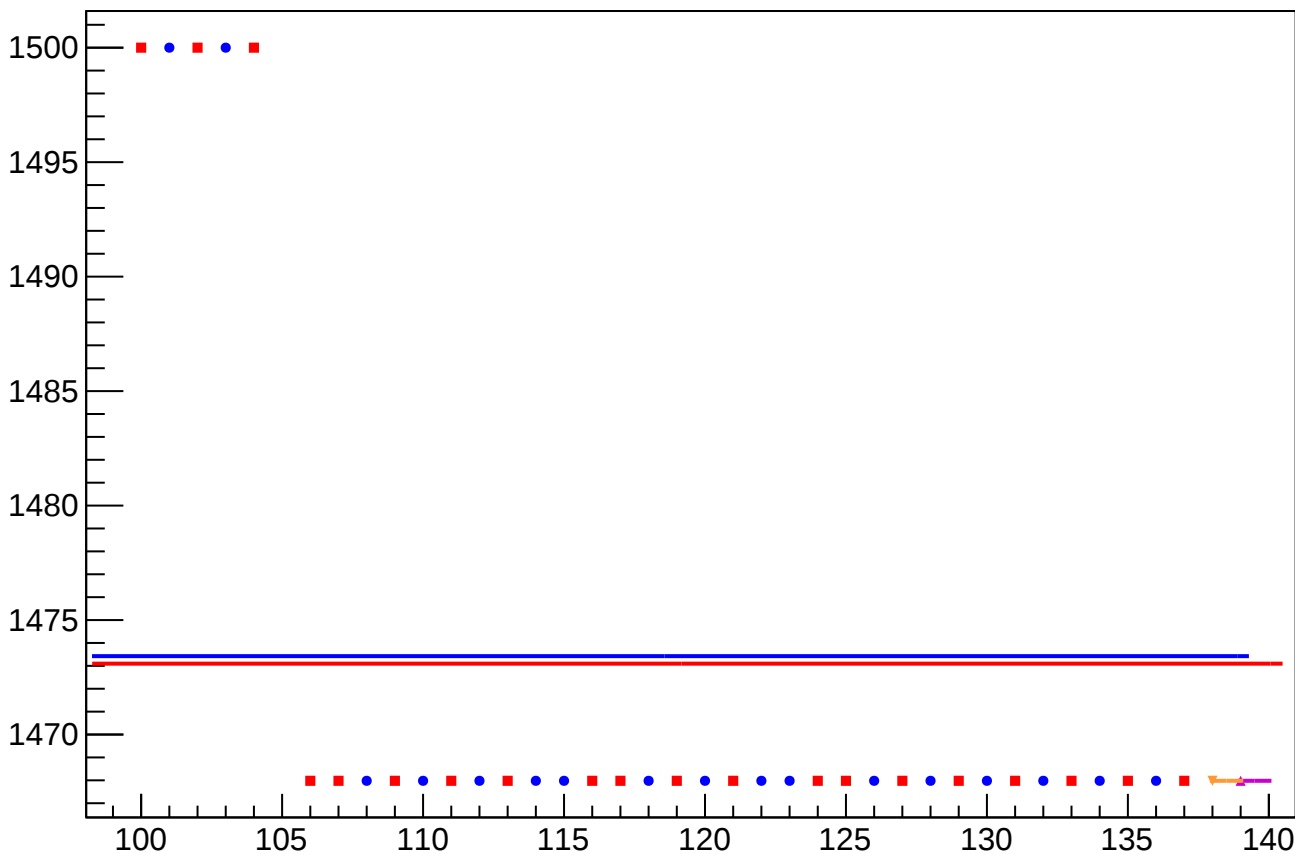
Left In: -29.641+/-0.000 χ^2/NDF : 0.0/0

-29.145+/-0.000 χ^2/NDF : 10493792580310956

-29.157+/-0.000 χ^2/NDF : 208961862616

-29.168+/-0.000 χ^2/NDF : 10400414671698162

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 : 0.0/0

Right Out: 1473.096+/-0.000 χ^2/NDF : 99938310777099611815298348687032320.0/19

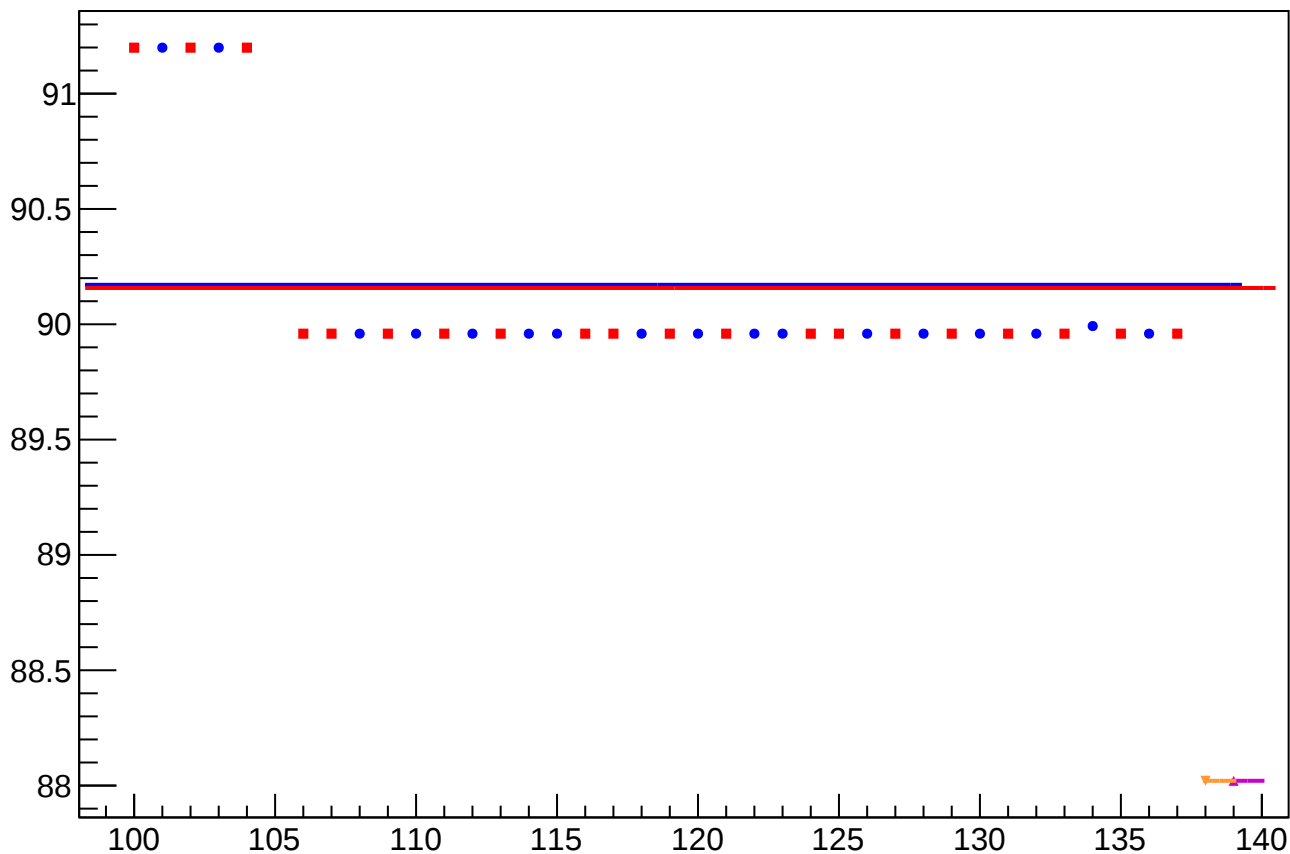
Left In: 1467.979+/-0.000 χ^2/NDF : 0.0/0

1472.874+/-0.000 χ^2/NDF : 1024998562206329

1472.761+/-0.000 χ^2/NDF : 20410695856

1472.652+/-0.000 χ^2/NDF : 1015877720400345

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 : 0.0/0

Right Out: 90.157+/-0.000 χ^2/NDF : 149863052341628336344772108091392.0/19

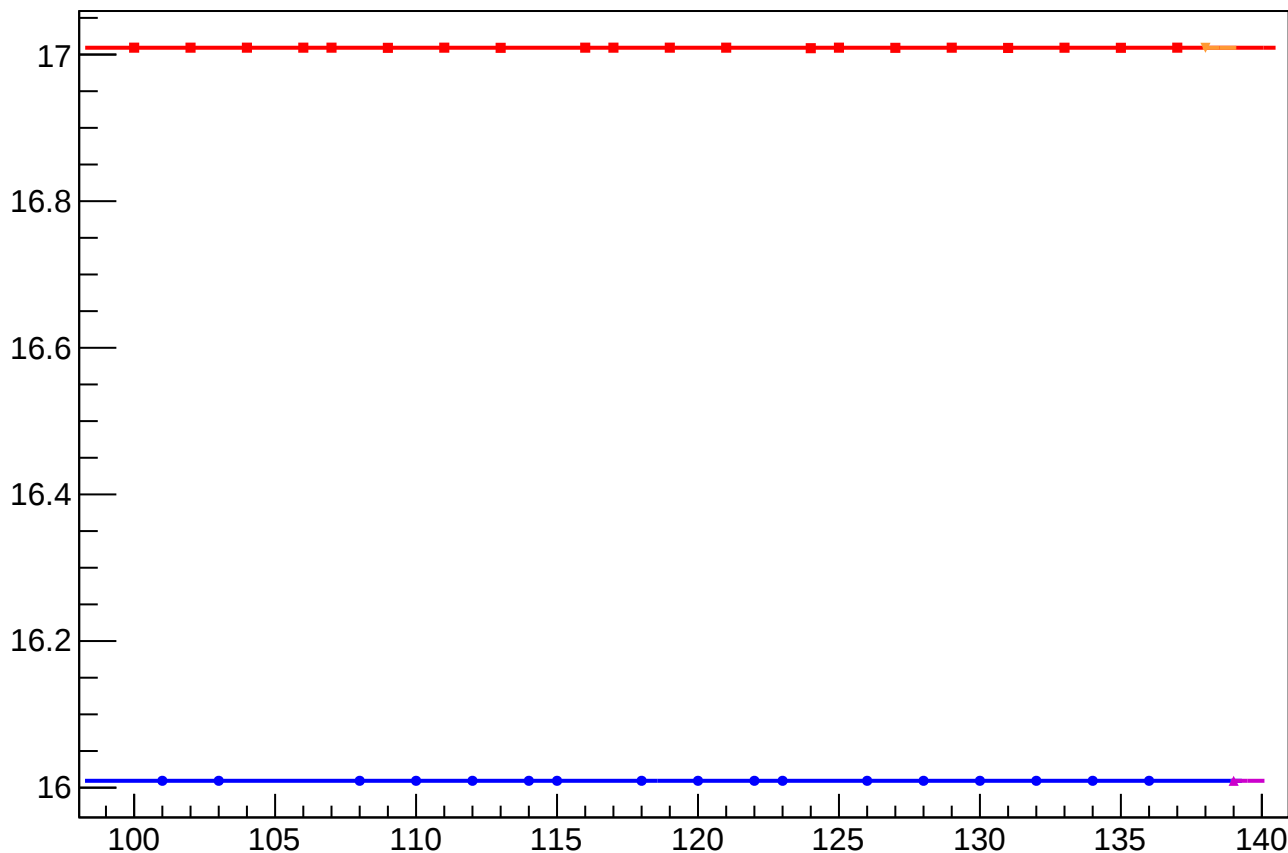
Left In: 88.021+/-0.000 χ^2/NDF : 0.0/0

89.954+/-0.000 χ^2/NDF : 474572294499332256

89.963+/-0.000 χ^2/NDF : 9122466893106

89.972+/-0.000 χ^2/NDF : 437545923679705947

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: 0.0/0

Right Out: 17.009+/-0.000 χ^2 /NDF: 12548783366686740957888512.0/19

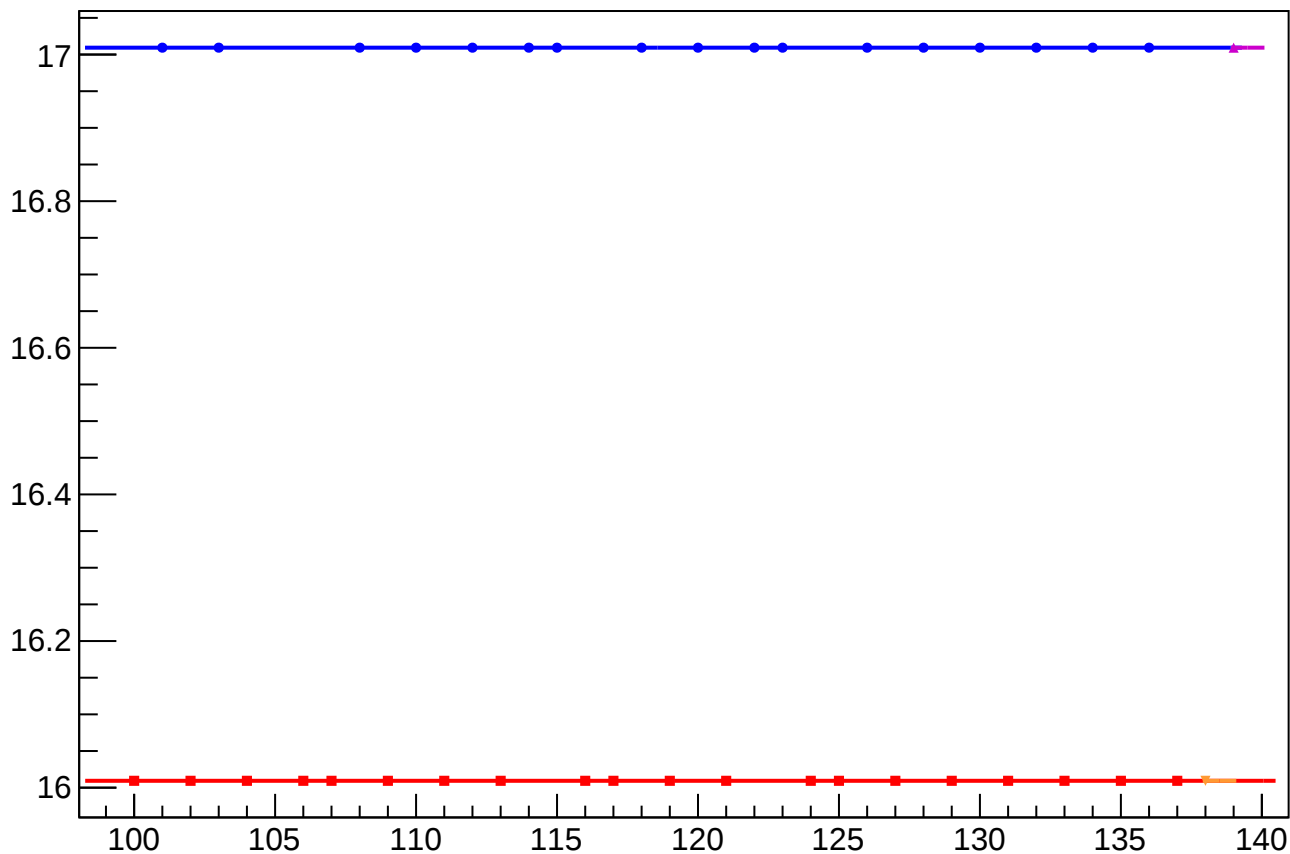
Left In: 16.009+/-0.000 χ^2 /NDF: 0.0/0

16.103+/-0.000 χ^2 /NDF: 616430842755288983

16.508+/-0.000 χ^2 /NDF: 3641736053683

16.914+/-0.000 χ^2 /NDF: 624399116129970304

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: 0.0/0

Right Out: 16.009+/-0.000 χ^2 /NDF: 42750.0/19

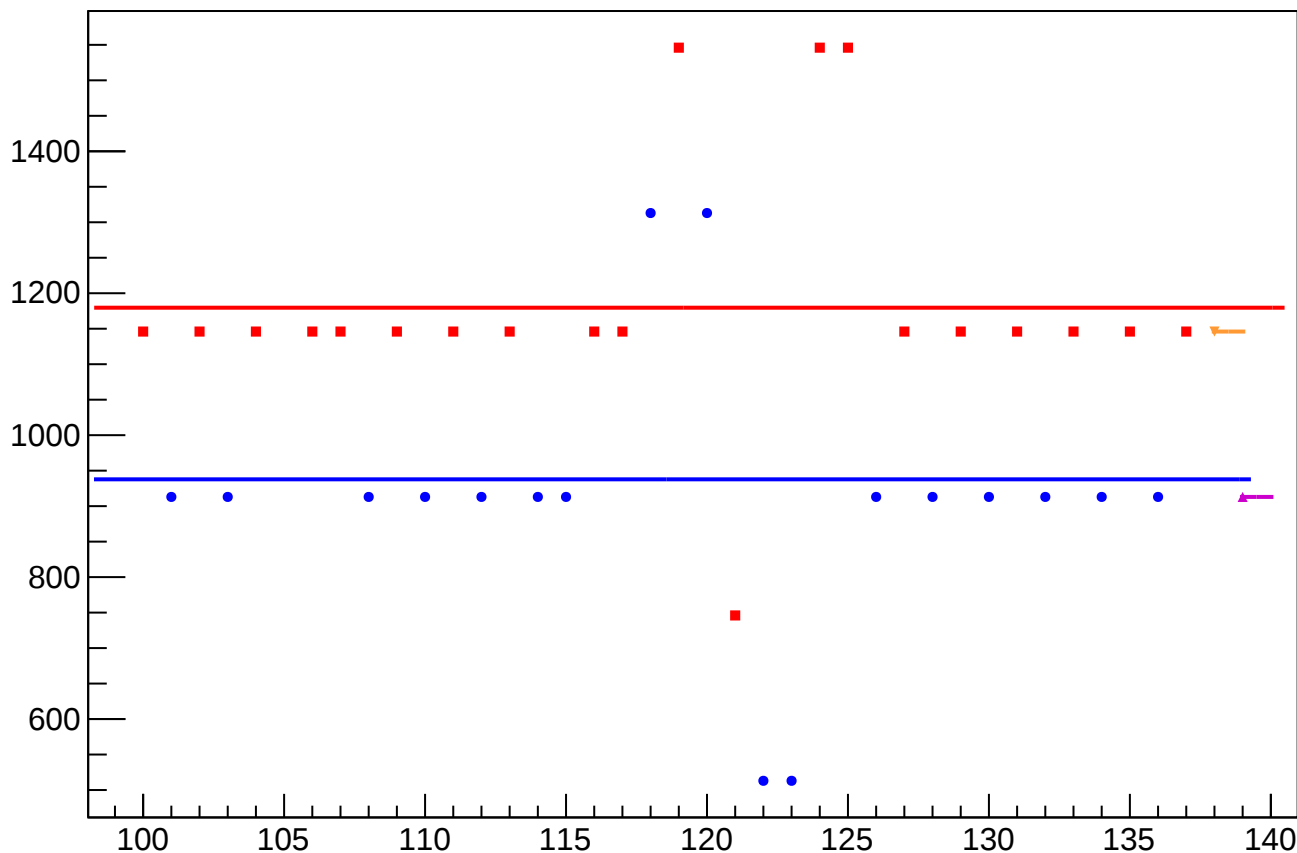
Left In: 17.009+/-0.000 χ^2 /NDF: 0.0/0

16.904+/-0.000 χ^2 /NDF: 697783783783776940

16.488+/-0.000 χ^2 /NDF: 38128730366490

16.097+/-0.000 χ^2 /NDF: 629581218274068490

epics_RTPAPOSUCNTs_mean vs Slug, Sign Corrected



Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.013+/-0.000 χ^2/NDF : 0.0/0

Right Out: 1179.619+/-0.000 χ^2/NDF : 21420659731738679306829480097874968576.0/19

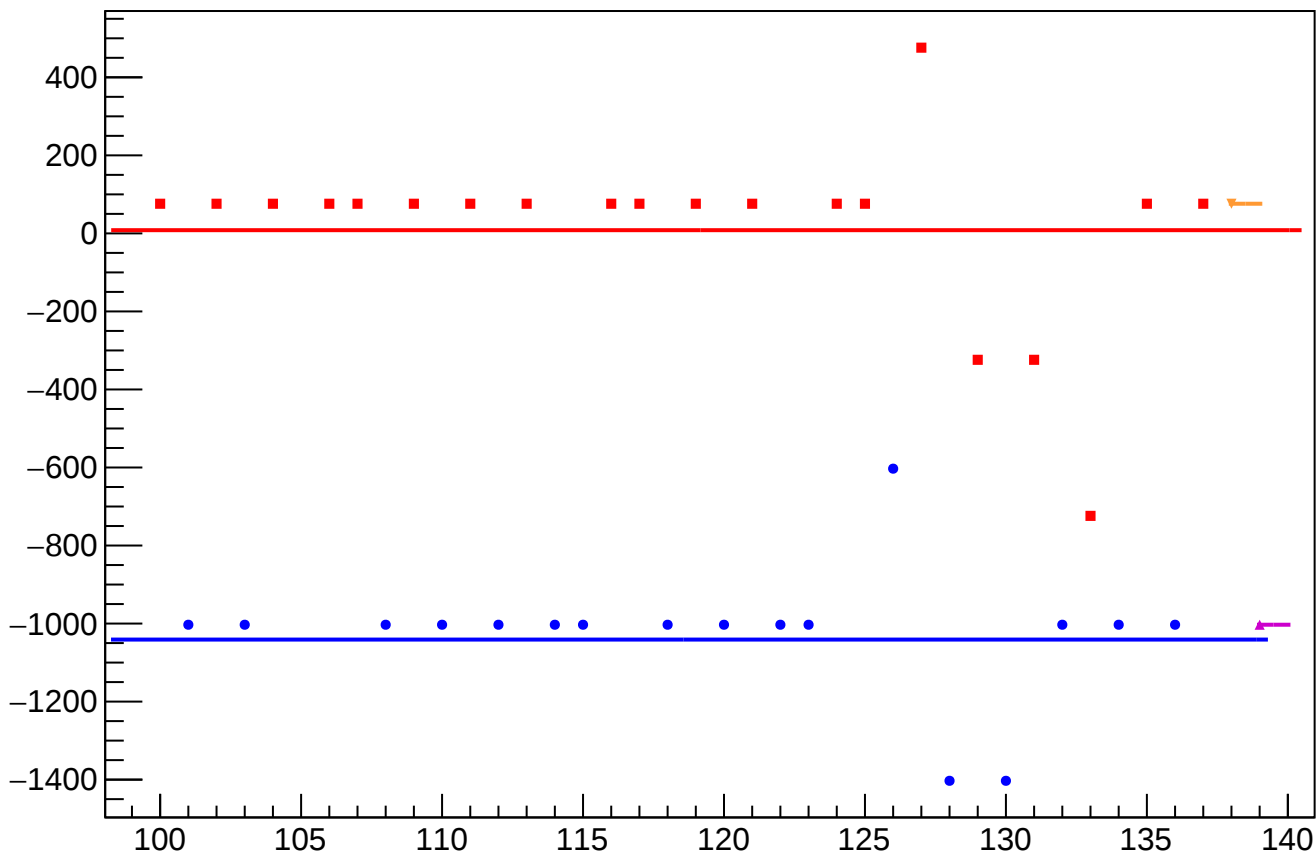
Left In: 912.991+/-0.000 χ^2/NDF : 0.0/0

958.818+/-0.000 χ^2/NDF : 23895515149428522

1059.099+/-0.000 χ^2/NDF : 65097703896

1156.477+/-0.000 χ^2/NDF : 2590016348062933

epics_RTPAPOSVCNTs_mean vs Slug, Sign Corrected



Right In: -1041.030+/-0.000 χ^2/NDF : 22675401109943882512554797113855180800.0/16

Left Out: 76.009+/-0.000 χ^2/NDF : 0.0/0

Right Out: 8.240+/-0.000 χ^2/NDF : 43865391744972338137265798243810279424.0/19

Left In: -1002.991+/-0.000 χ^2/NDF : 0.0/0

-928.168+/-0.000 χ^2/NDF : 1101684148043128

-497.619+/-0.000 χ^2/NDF : 50054296294

-79.527+/-0.000 χ^2/NDF : 10830009768797100