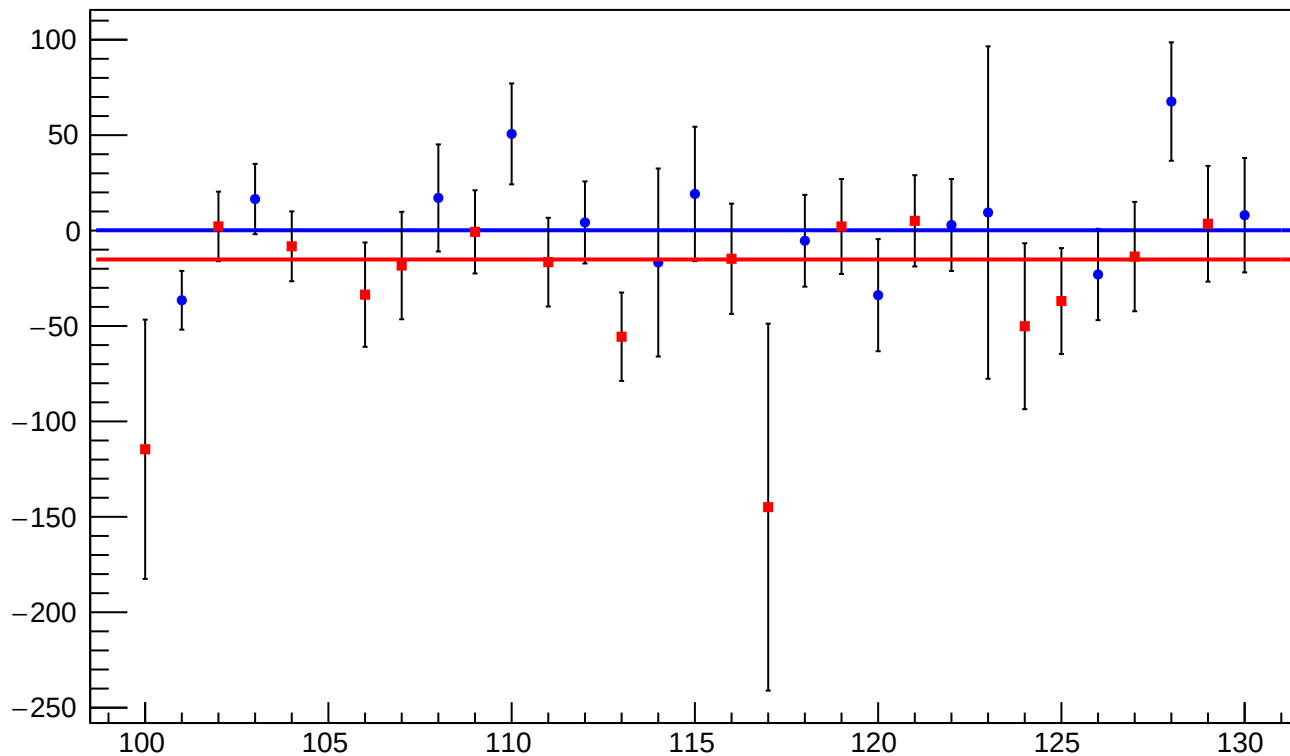


diff_bpm4aX_mean vs Slug



Right In: 0.159+/-6.760

χ^2/NDF : 18.1/13

Left Out: 0.000+/-0.000

χ^2/NDF : 0.0/0

Right Out: -15.148+/-6.533

χ^2/NDF : 11.8/15

Left In: 0.000+/-0.000

χ^2/NDF : 0.0/0

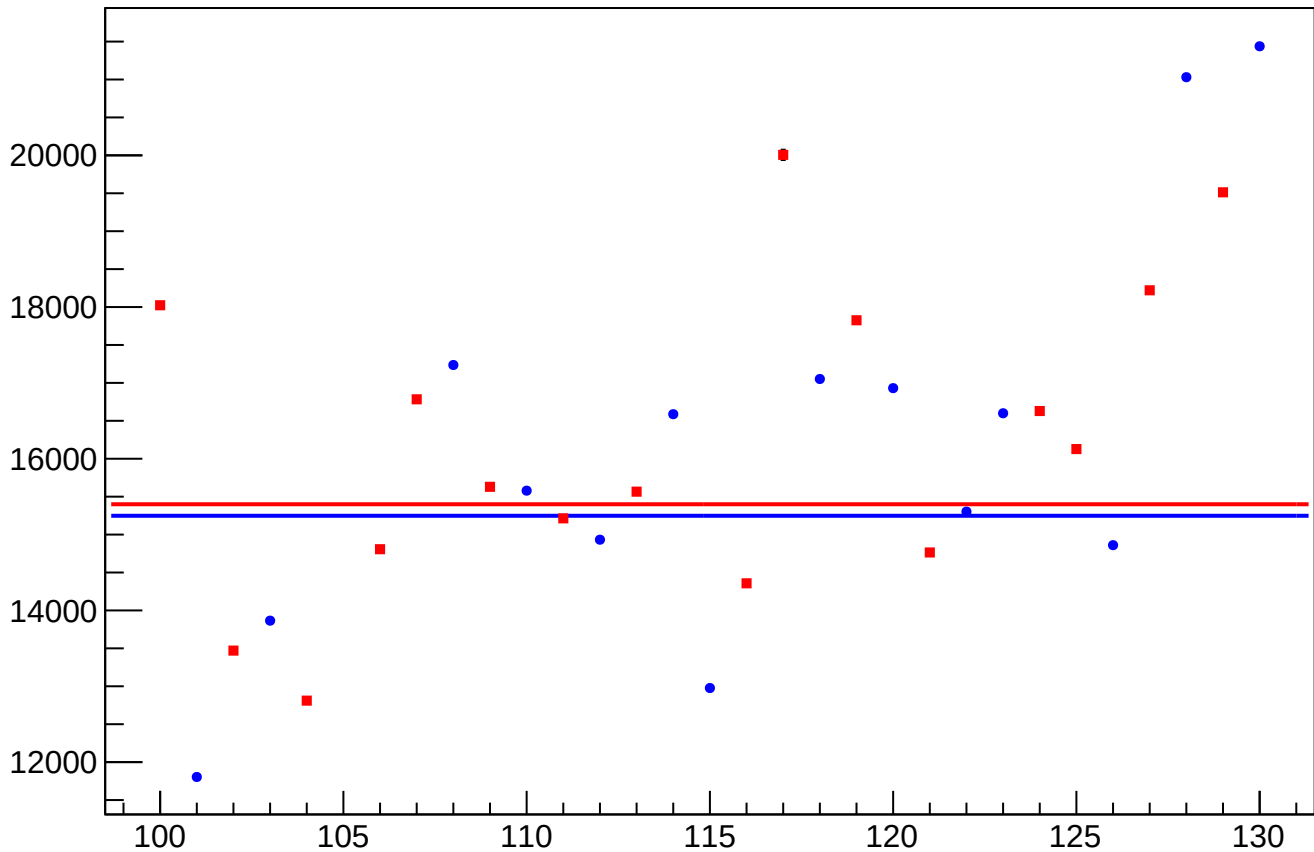
0.159+/-6.760

χ^2/NDF : 18.1/13

-15.148+/-6.533

χ^2/NDF : 11.8/15

diff_bpm4aX_rms vs Slug



Right In: 15248.000+/-4.780 χ^2/NDF : 305331.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

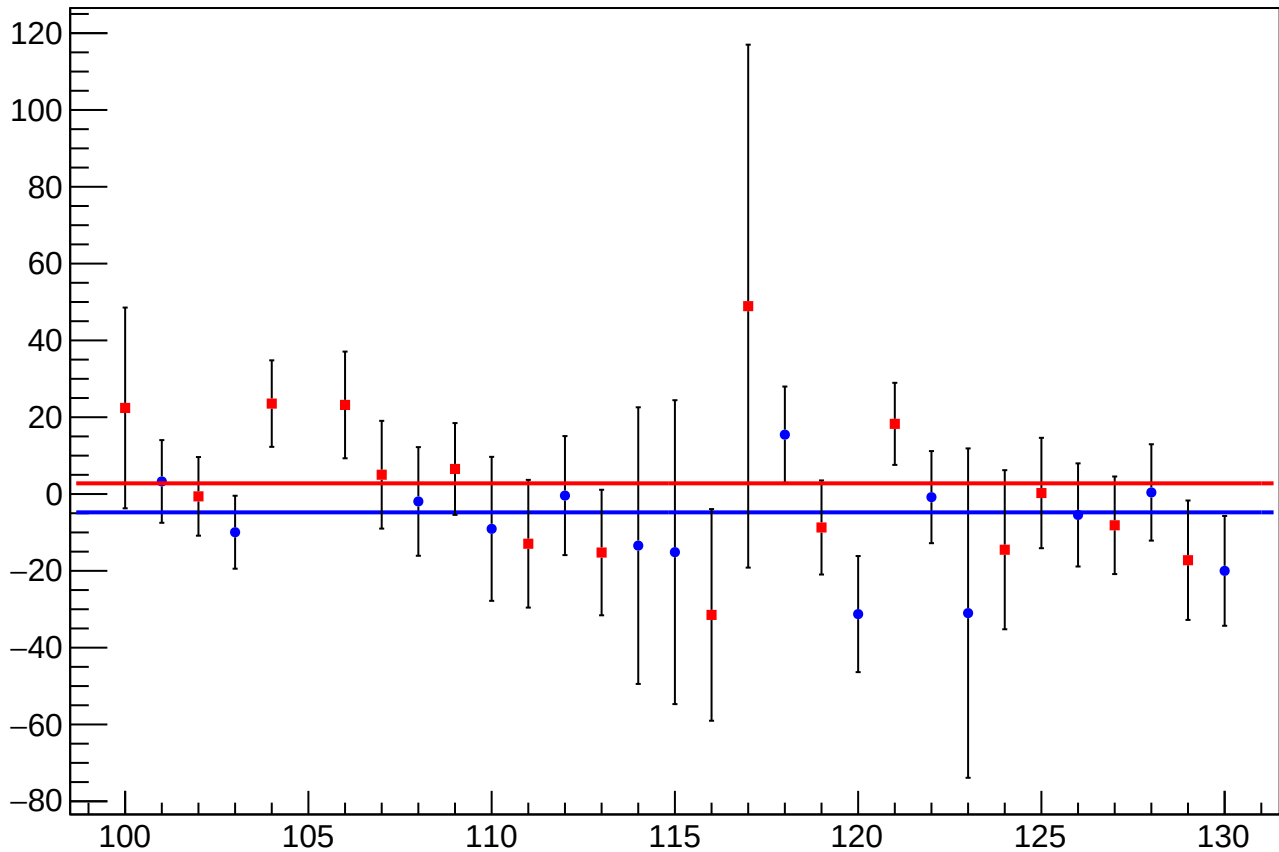
15248.000+/-4.780 χ^2/NDF : 305331.3/13

Right Out: 15399.940+/-4.619 χ^2/NDF : 158366.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

15399.940+/-4.619 χ^2/NDF : 158366.5/15

diff_bpm4aY_mean vs Slug



Right In: -4.771 ± 3.830 χ^2/NDF : 8.6/13

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

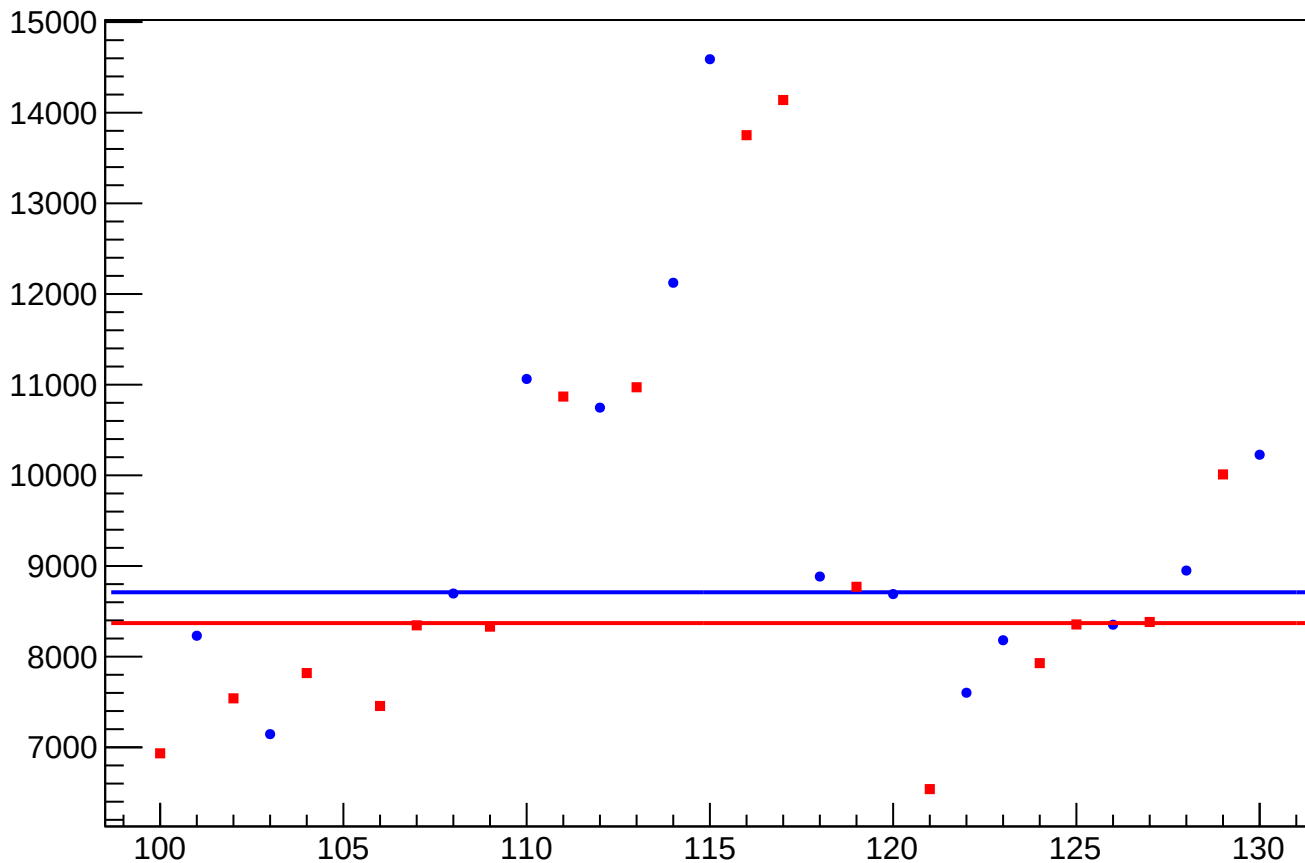
Right Out: 2.786 ± 3.581 χ^2/NDF : 16.6/15

Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

-4.771 ± 3.830 χ^2/NDF : 8.6/13

2.786 ± 3.581 χ^2/NDF : 16.6/15

diff_bpm4aY_rms vs Slug



Right In: 8710.116+/-2.708 χ^2/NDF : 228885.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

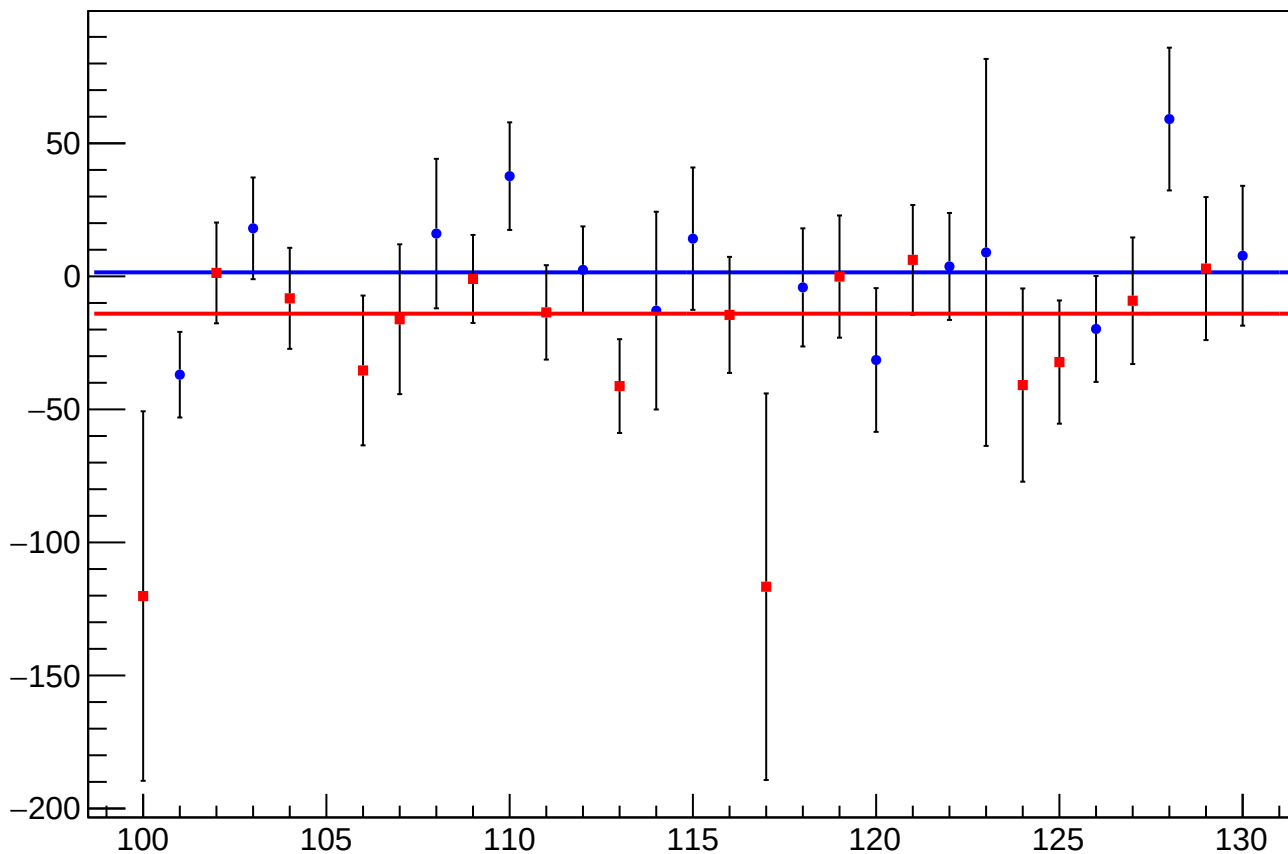
Right Out: 8370.132+/-2.532 χ^2/NDF : 303221.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

8710.116+/-2.708 χ^2/NDF : 228885.4/13

8370.132+/-2.532 χ^2/NDF : 303221.0/15

diff_bpm4eX_mean vs Slug



Right In: 1.503 ± 6.018 $\chi^2/\text{NDF}: 17.7/13$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

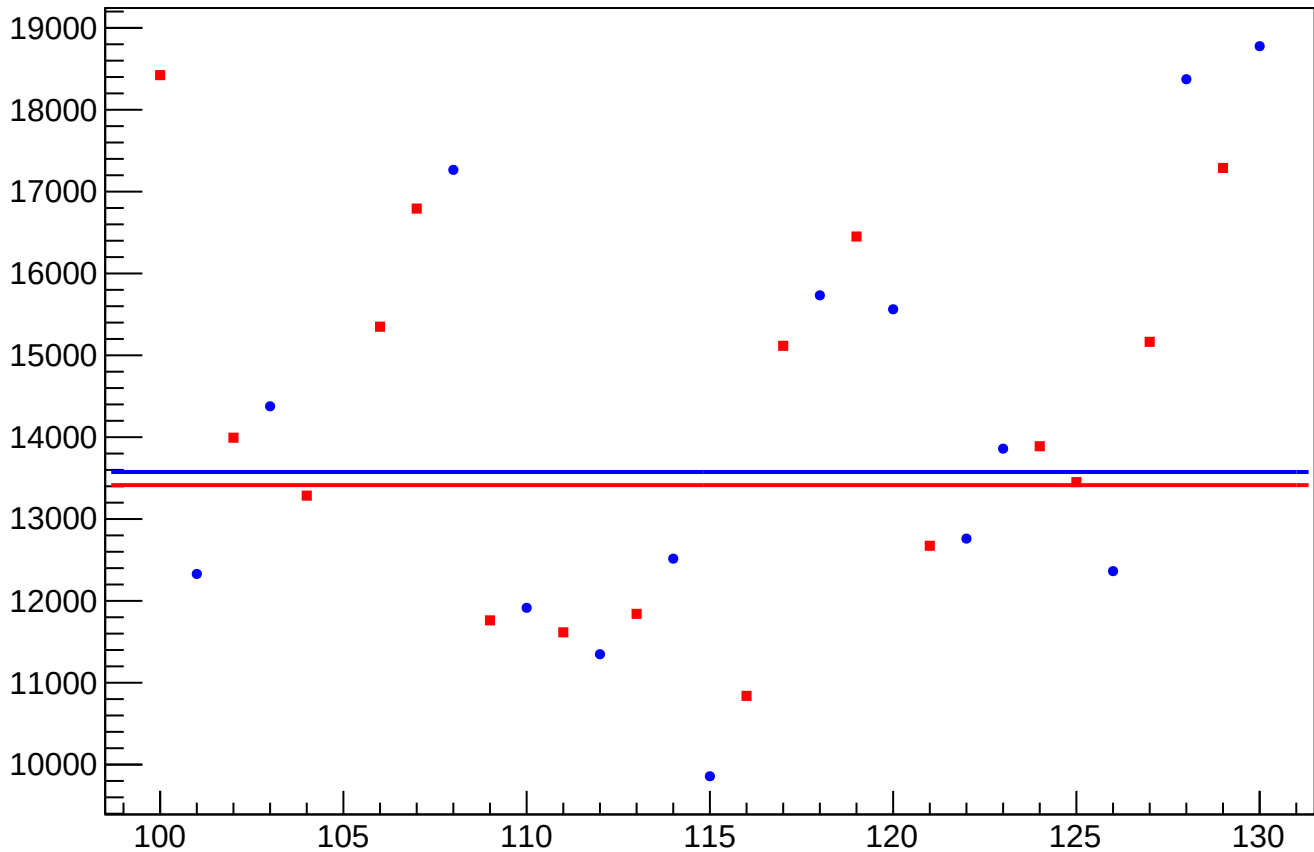
Right Out: -14.022 ± 5.711 $\chi^2/\text{NDF}: 11.6/15$

Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

1.503 ± 6.018 $\chi^2/\text{NDF}: 17.7/13$

-14.022 ± 5.711 $\chi^2/\text{NDF}: 11.6/15$

diff_bpm4eX_rms vs Slug



Right In: 13574.523+/-4.256 χ^2/NDF : 323681.6/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

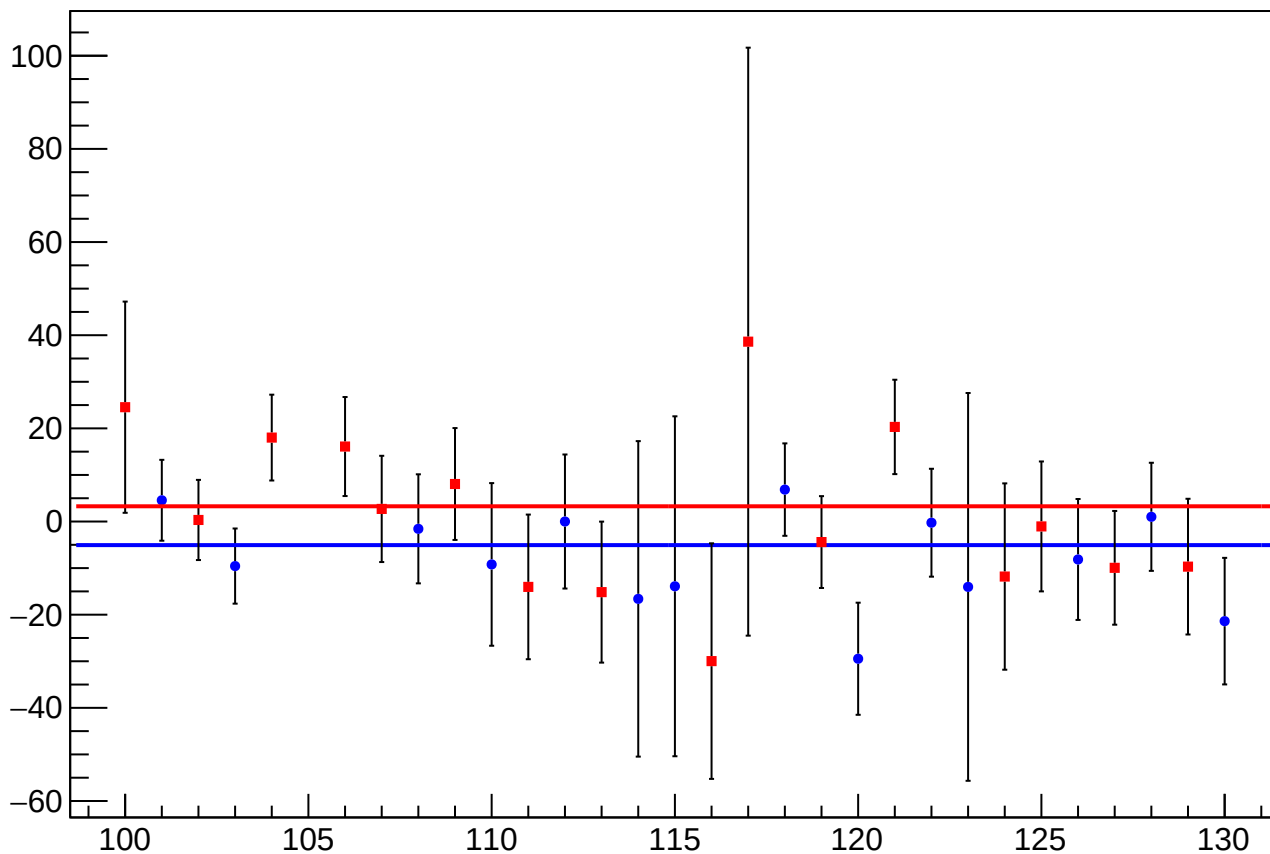
13574.523+/-4.256 χ^2/NDF : 323681.6/13

Right Out: 13414.210+/-4.038 χ^2/NDF : 226361.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

13414.210+/-4.038 χ^2/NDF : 226361.6/15

diff_bpm4eY_mean vs Slug



Right In: -5.064+/-3.342 χ^2 /NDF: 9.5/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

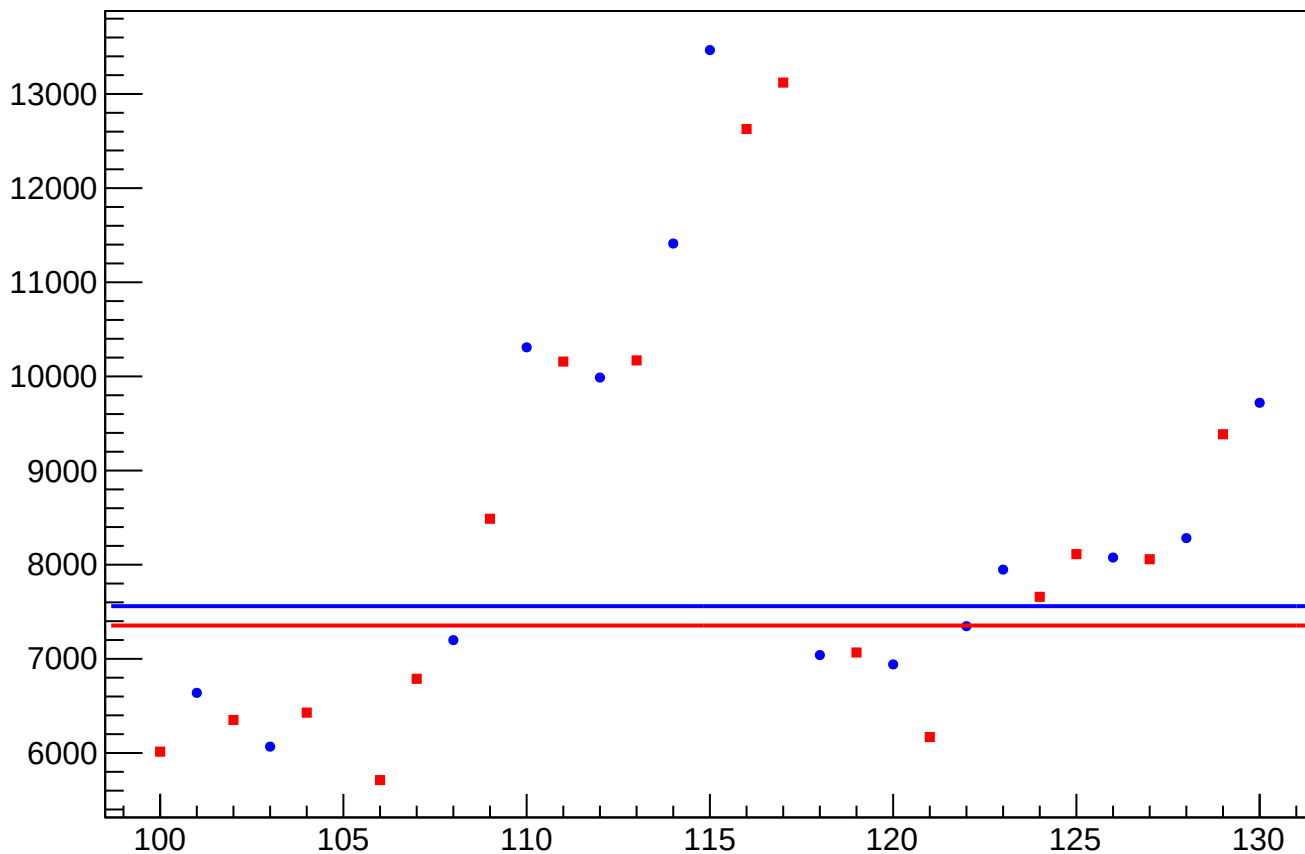
Right Out: 3.271+/-3.160 χ^2 /NDF: 16.0/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

-5.064+/-3.342 χ^2 /NDF: 9.5/13

3.271+/-3.160 χ^2 /NDF: 16.0/15

diff_bpm4eY_rms vs Slug



Right In: 7559.593+/-2.363 χ^2/NDF : 350770.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

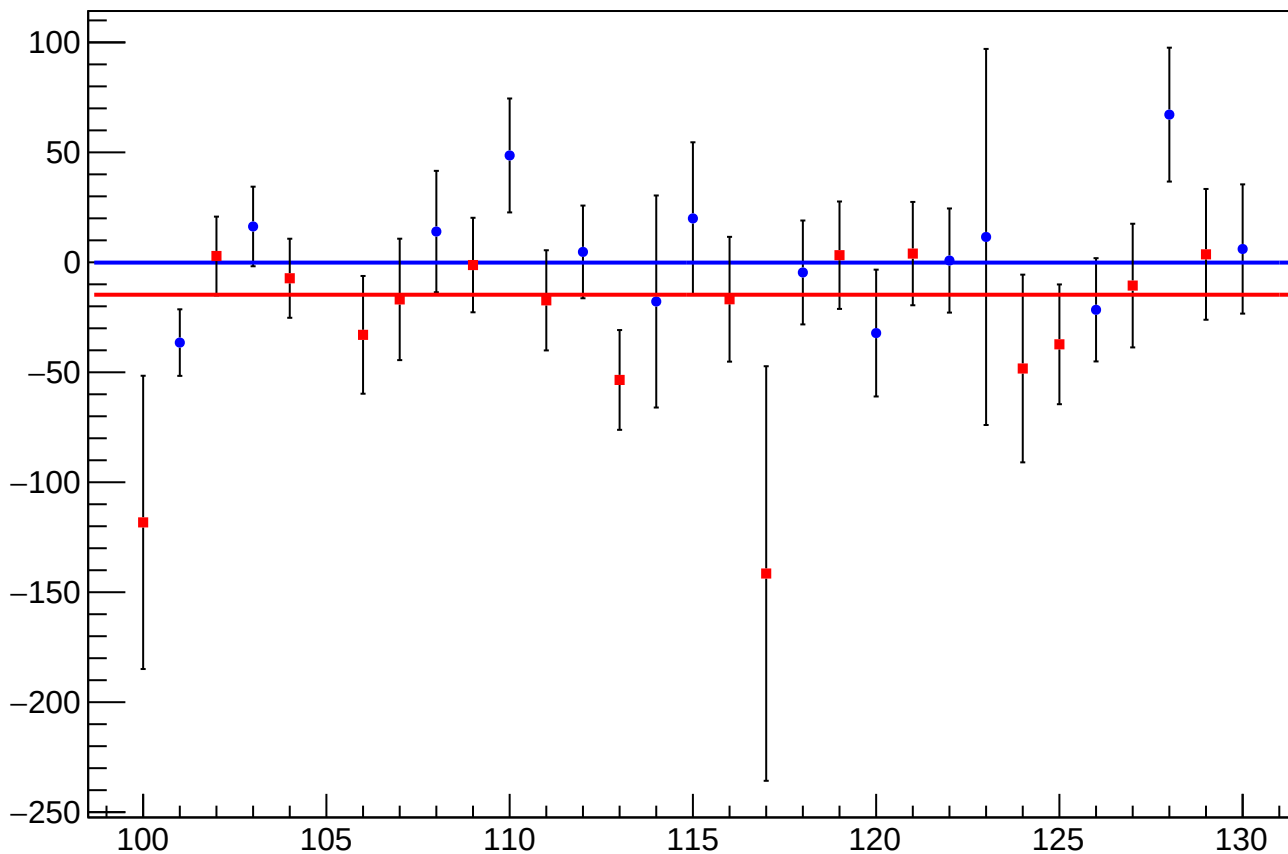
Right Out: 7354.086+/-2.235 χ^2/NDF : 443953.3/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

7559.593+/-2.363 χ^2/NDF : 350770.8/13

7354.086+/-2.235 χ^2/NDF : 443953.3/15

diff_bpm4acX_mean vs Slug



Right In: -0.121 ± 6.636 χ^2/NDF : 18.0/13

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

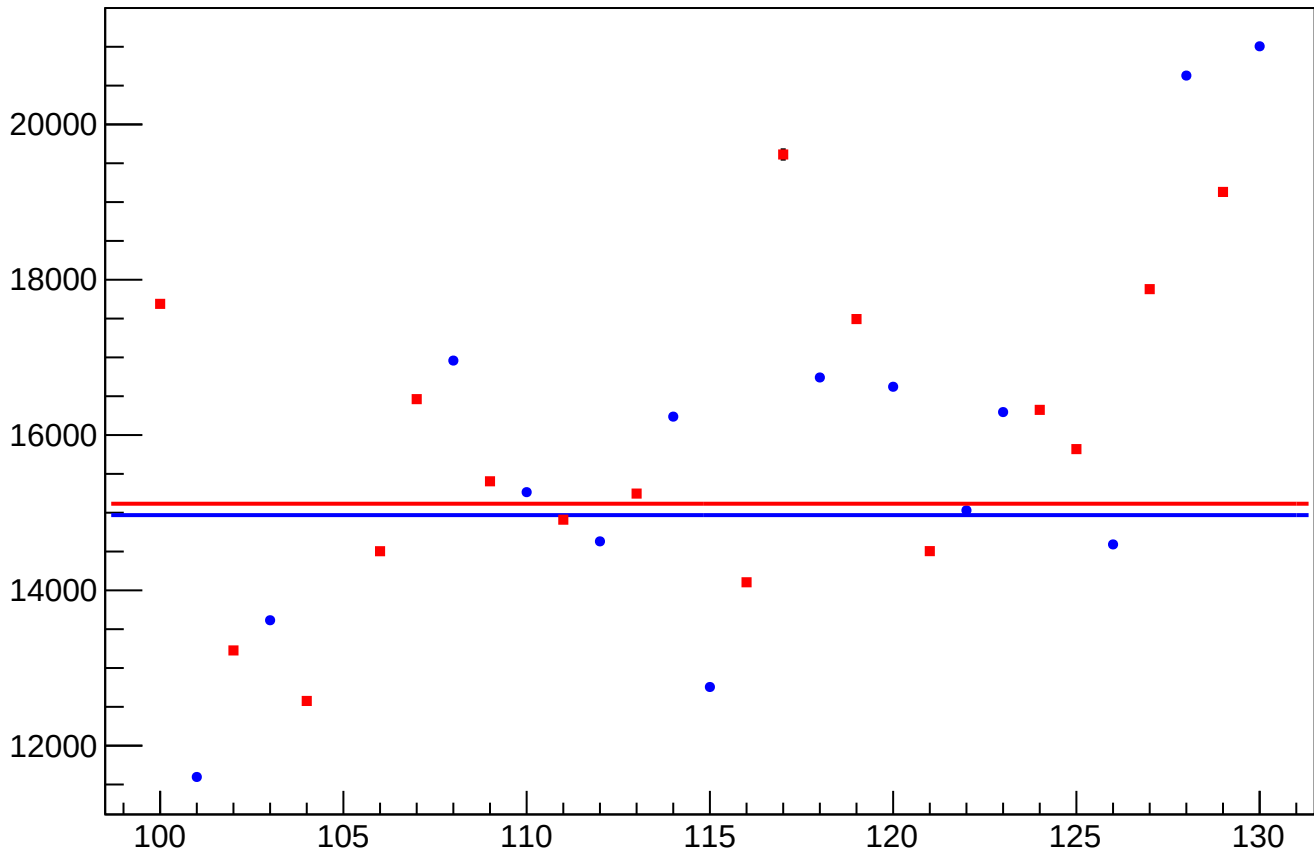
Right Out: -14.730 ± 6.412 χ^2/NDF : 12.0/15

Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

-0.121 ± 6.636 χ^2/NDF : 18.0/13

-14.730 ± 6.412 χ^2/NDF : 12.0/15

diff_bpm4acX_rms vs Slug



Right In: 14968.942 $\pm$ 4.692 χ^2 /NDF: 303663.3/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

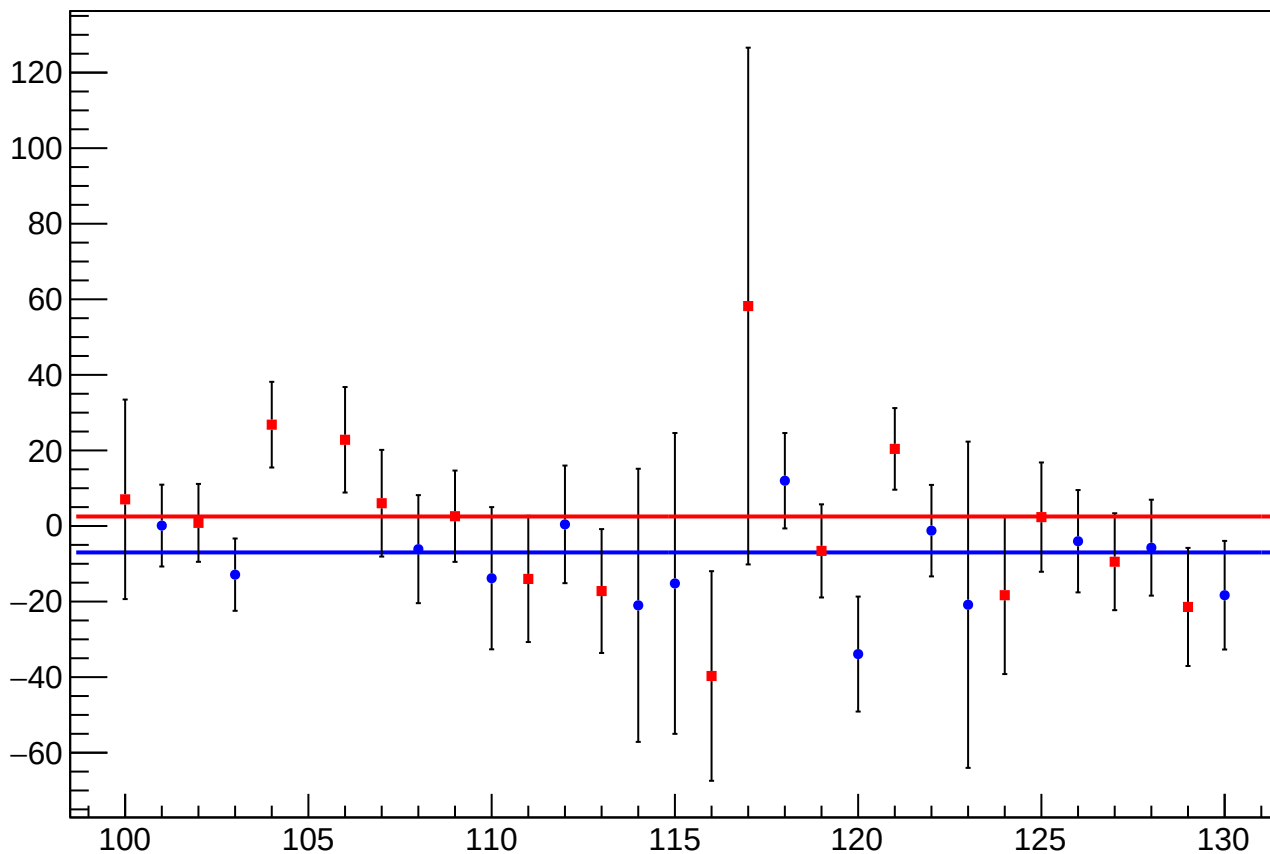
14968.942 $\pm$ 4.692 χ^2 /NDF: 303663.3/13

Right Out: 15115.651 $\pm$ 4.534 χ^2 /NDF: 157728.4/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

15115.651 $\pm$ 4.534 χ^2 /NDF: 157728.4/15

diff_bpm4acY_mean vs Slug



Right In: -6.995+/-3.859 χ^2/NDF : 7.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

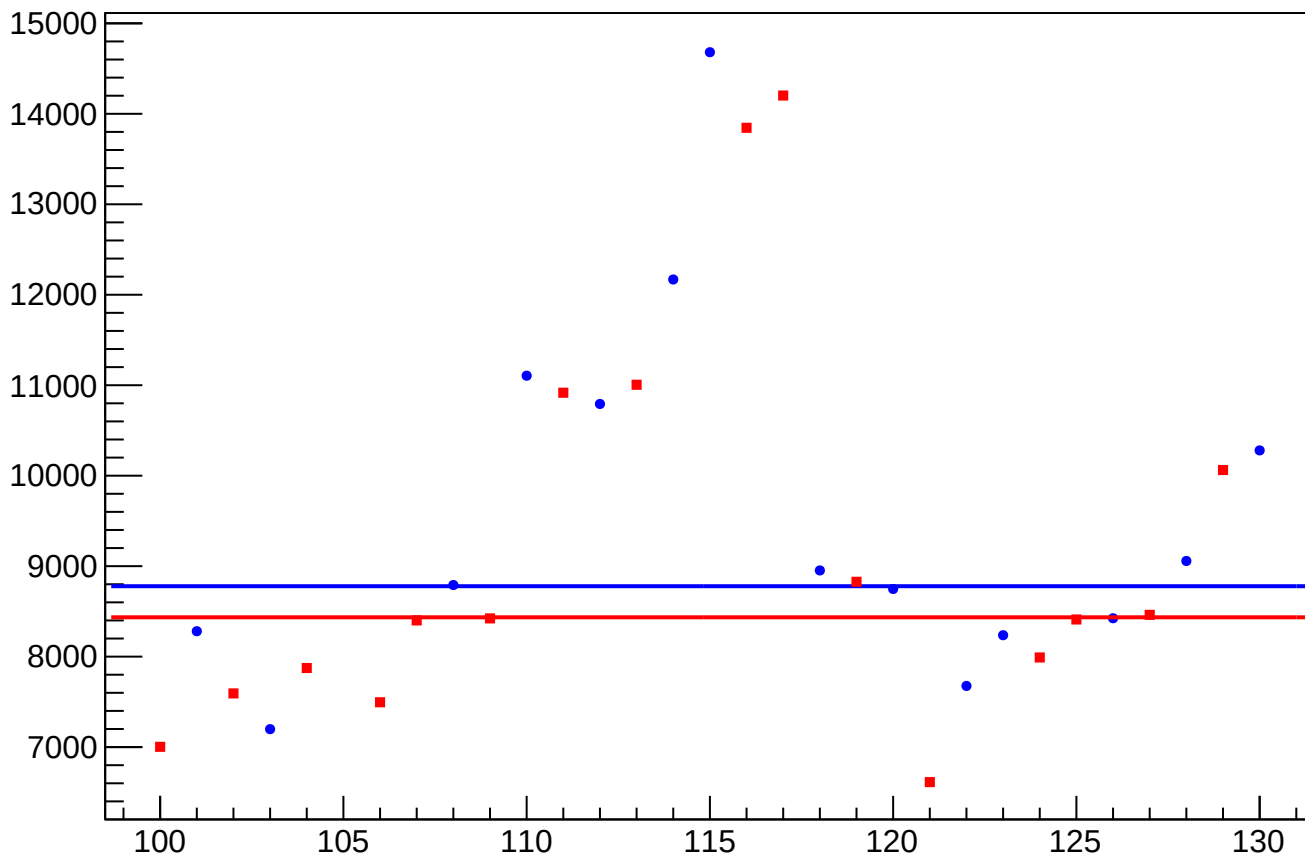
Right Out: 2.520+/-3.608 χ^2/NDF : 19.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-6.995+/-3.859 χ^2/NDF : 7.8/13

2.520+/-3.608 χ^2/NDF : 19.7/15

diff_bpm4acY_rms vs Slug



Right In: 8778.362 $\pm$ 2.729 χ^2 /NDF: 225807.8/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

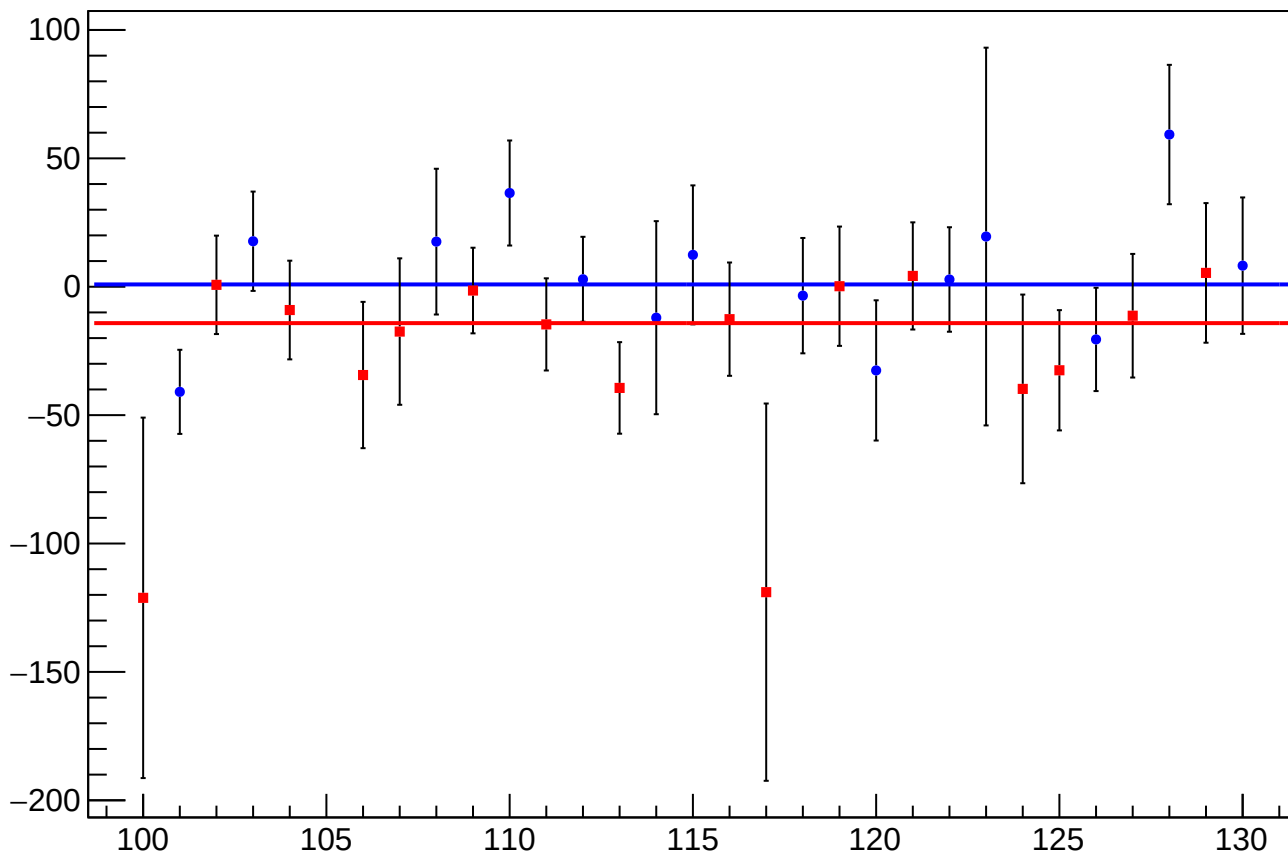
Right Out: 8434.684 $\pm$ 2.551 χ^2 /NDF: 298315.0/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

8778.362 $\pm$ 2.729 χ^2 /NDF: 225807.8/13

8434.684 $\pm$ 2.551 χ^2 /NDF: 298315.0/15

diff_bpm4ecX_mean vs Slug



Right In: 0.902 $\pm$ 6.093 χ^2 /NDF: 18.4/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

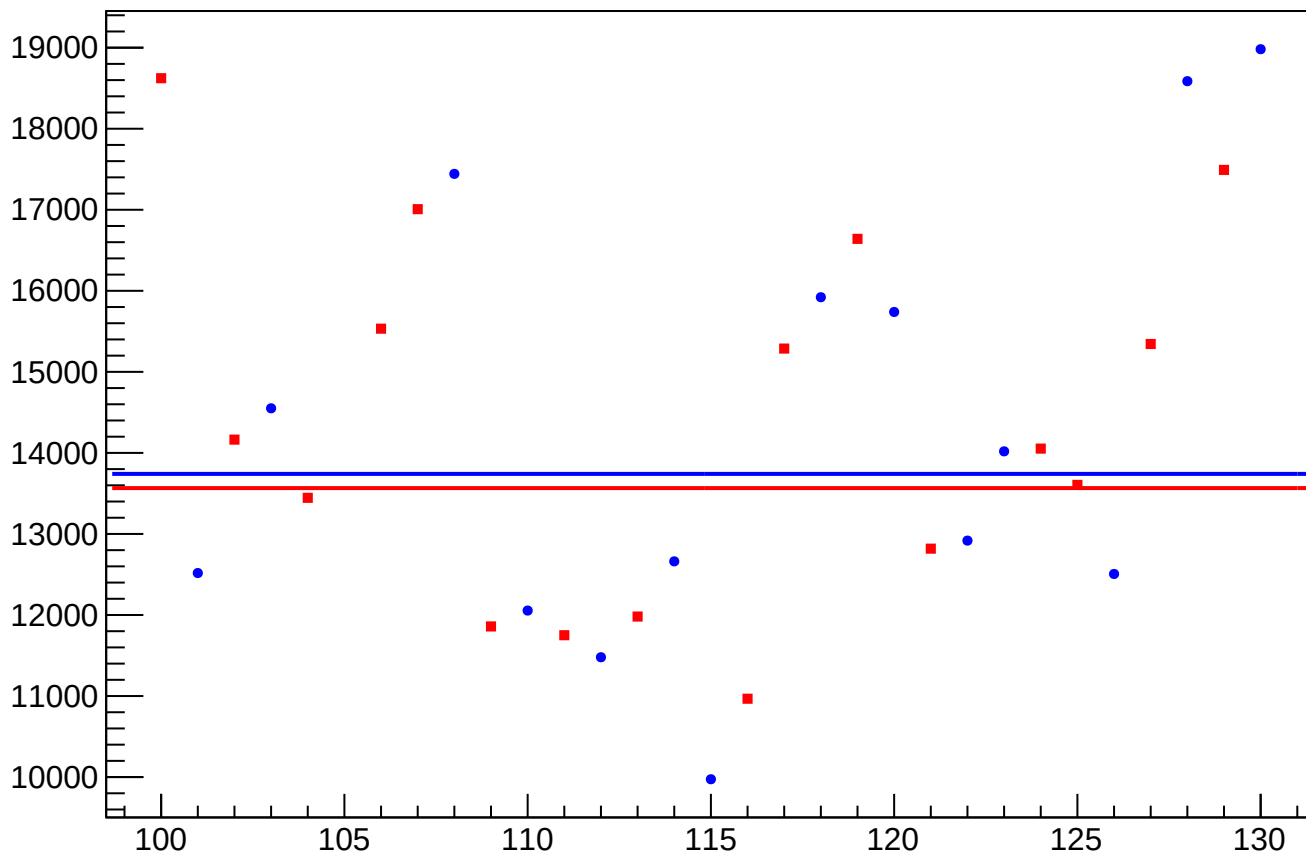
Right Out: -14.167 $\pm$ 5.776 χ^2 /NDF: 10.9/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.902 $\pm$ 6.093 χ^2 /NDF: 18.4/13

-14.167 $\pm$ 5.776 χ^2 /NDF: 10.9/15

diff_bpm4ecX_rms vs Slug



Right In: 13741.032 $\pm$ 4.309 χ^2 /NDF: 322108.0/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

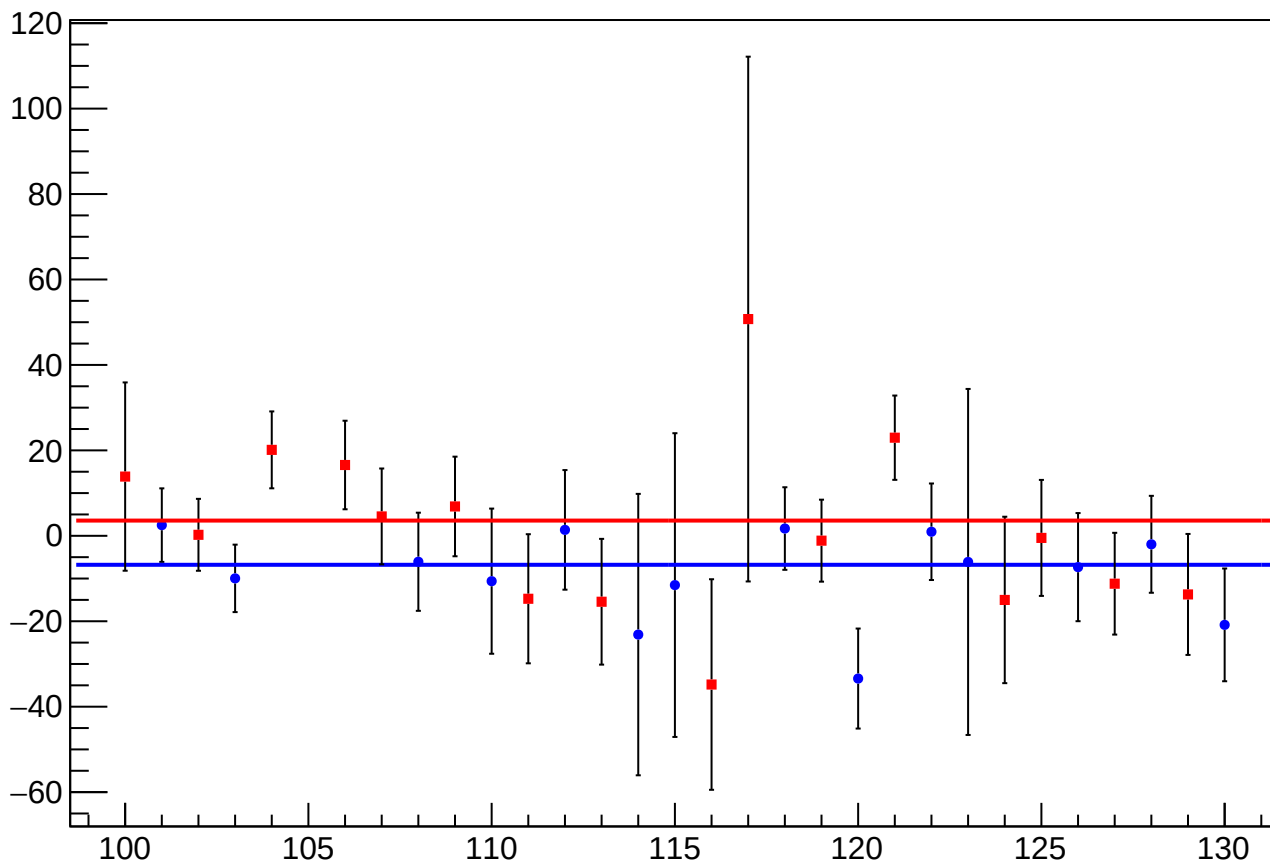
Right Out: 13565.748 $\pm$ 4.084 χ^2 /NDF: 227752.1/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

13741.032 $\pm$ 4.309 χ^2 /NDF: 322108.0/13

13565.748 $\pm$ 4.084 χ^2 /NDF: 227752.1/15

diff_bpm4ecY_mean vs Slug



Right In: -6.785+/-3.269 χ^2 /NDF: 9.7/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

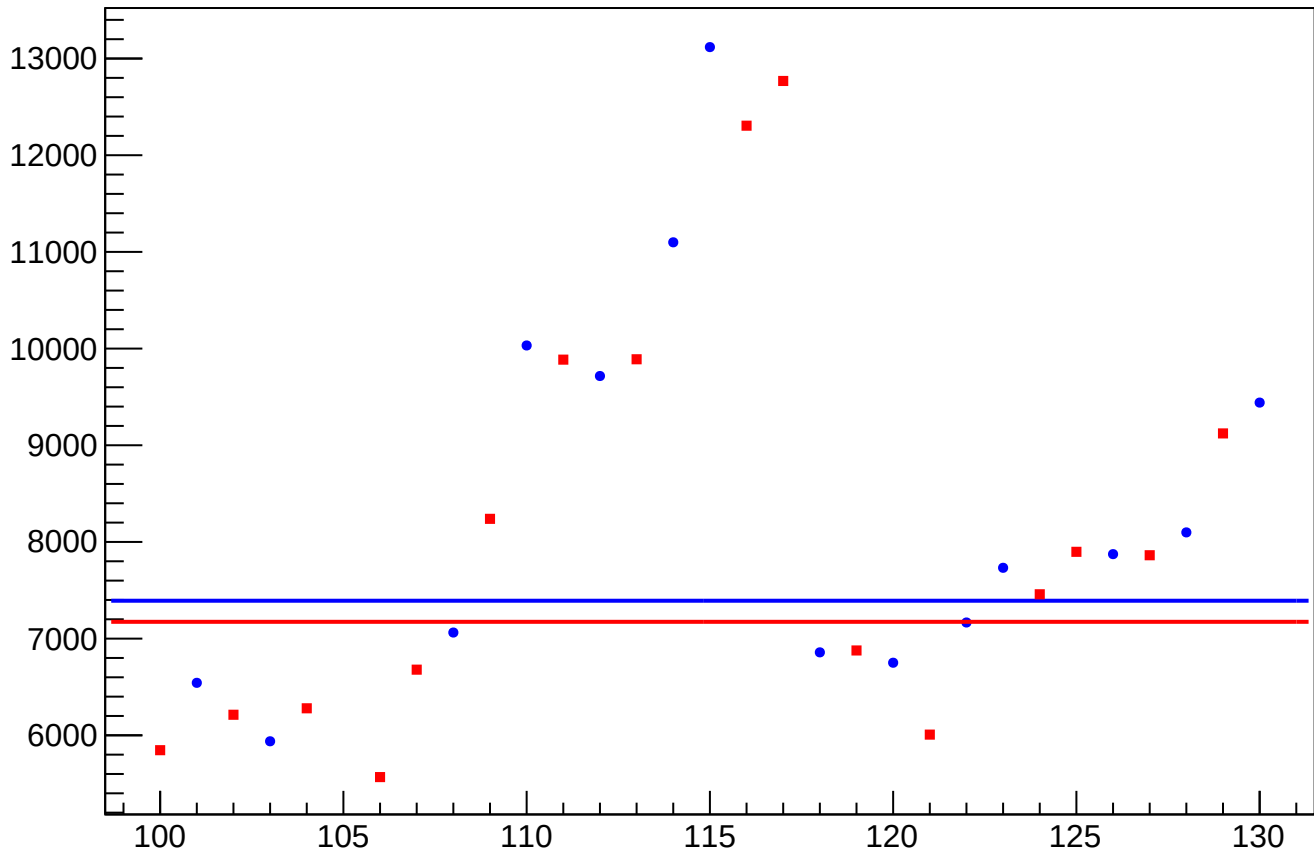
Right Out: 3.566+/-3.082 χ^2 /NDF: 19.7/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

-6.785+/-3.269 χ^2 /NDF: 9.7/13

3.566+/-3.082 χ^2 /NDF: 19.7/15

diff_bpm4ecY_rms vs Slug



Right In: 7391.939 $\pm$ 2.311 χ^2 /NDF: 341517.2/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

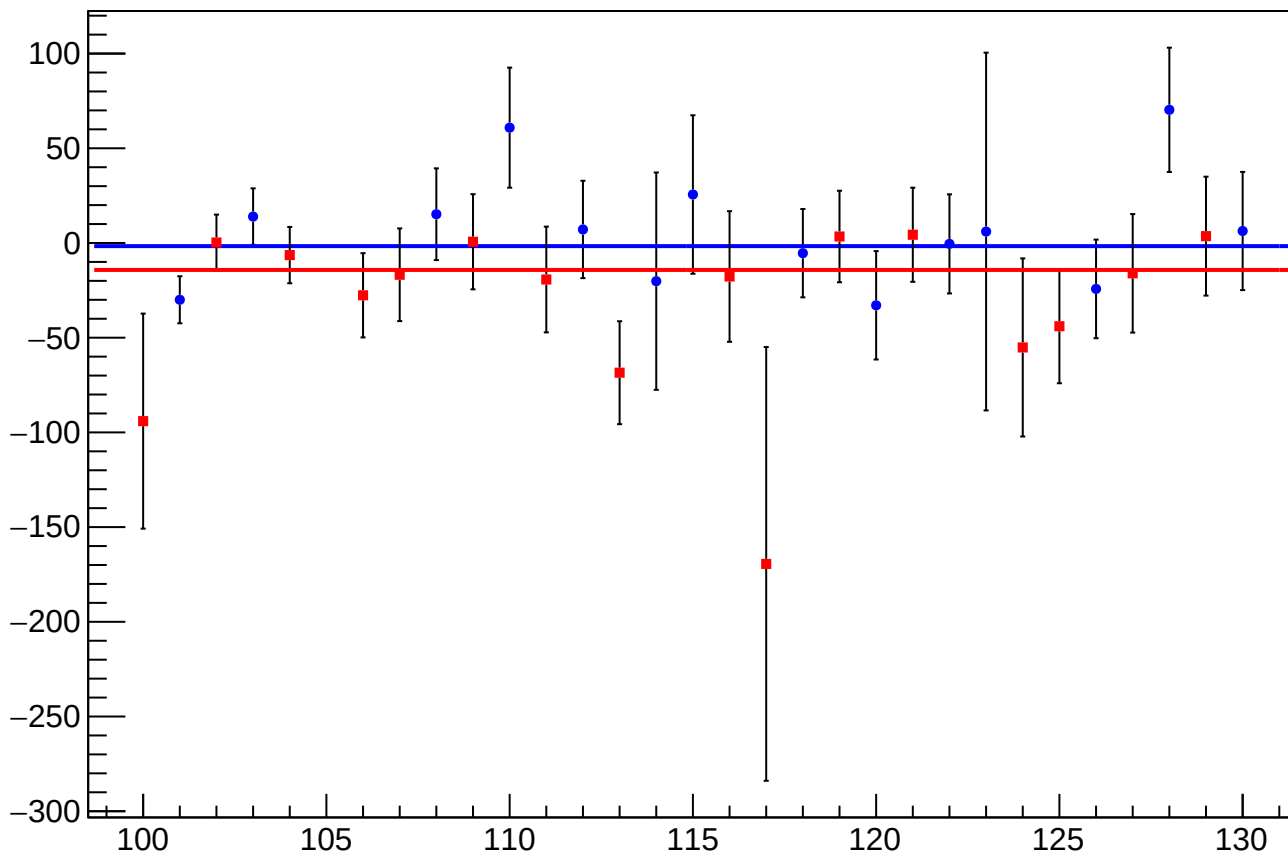
7391.939 $\pm$ 2.311 χ^2 /NDF: 341517.2/13

Right Out: 7173.877 $\pm$ 2.179 χ^2 /NDF: 438056.5/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

7173.877 $\pm$ 2.179 χ^2 /NDF: 438056.5/15

diff_bpm1X_mean vs Slug



Right In: -1.661+/-6.438 χ^2 /NDF: 18.2/13

Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

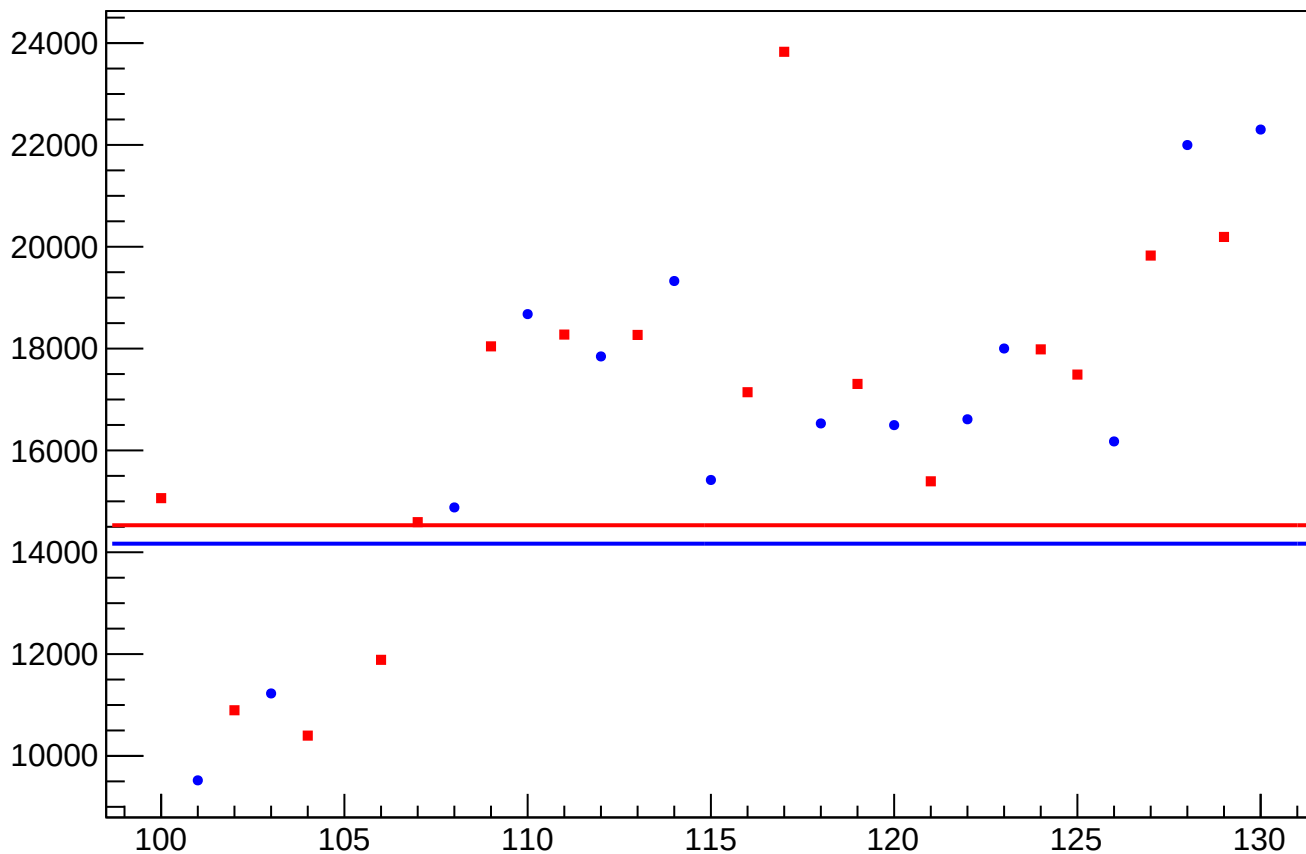
Right Out: -14.228+/-6.300 χ^2 /NDF: 13.0/15

Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

-1.661+/-6.438 χ^2 /NDF: 18.2/13

-14.228+/-6.300 χ^2 /NDF: 13.0/15

diff_bpm1X_rms vs Slug



Right In: 14168.396+/-4.552 χ^2/NDF : 775244.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

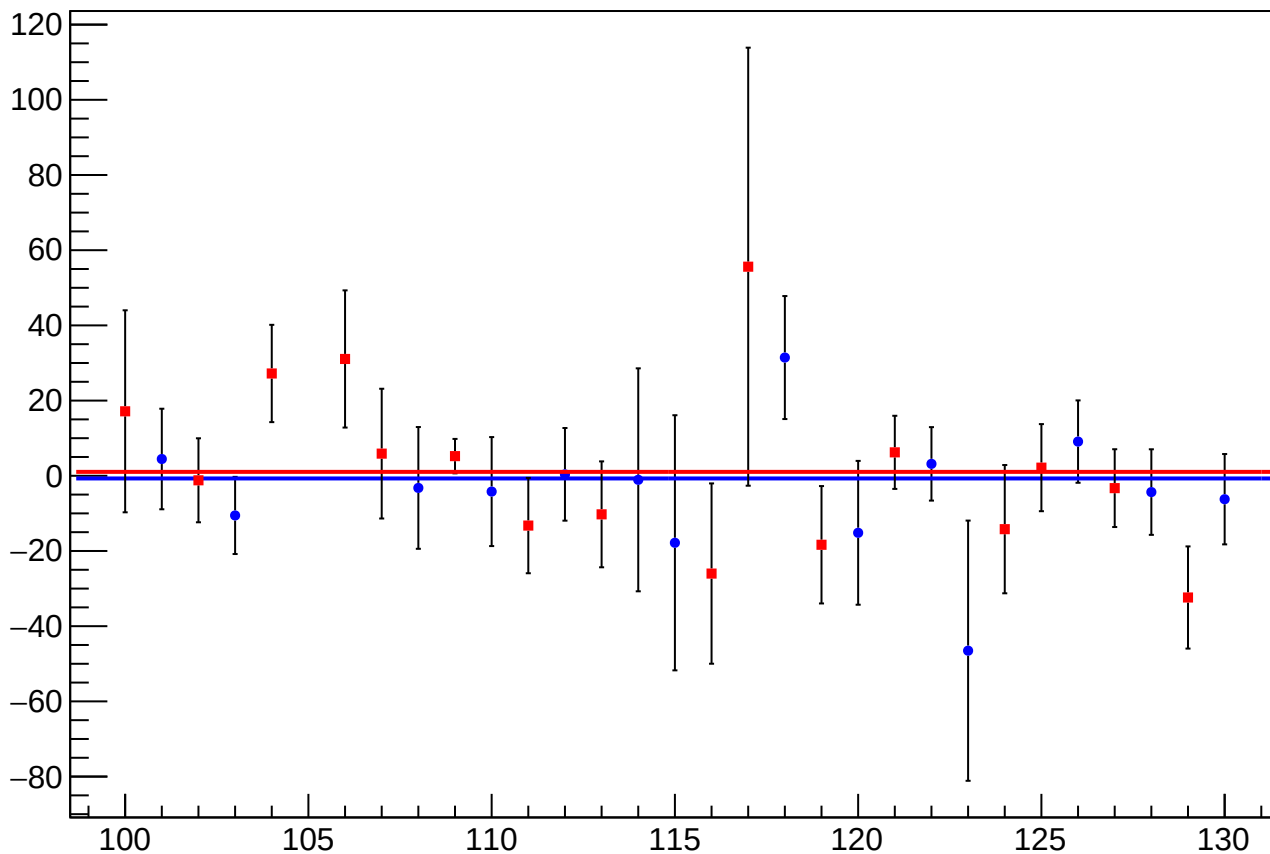
Right Out: 14530.460+/-4.455 χ^2/NDF : 623368.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

14168.396+/-4.552 χ^2/NDF : 775244.9/13

14530.460+/-4.455 χ^2/NDF : 623368.9/15

diff_bpm1Y_mean vs Slug



Right In: -0.712+/-3.701 χ^2/NDF : 8.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

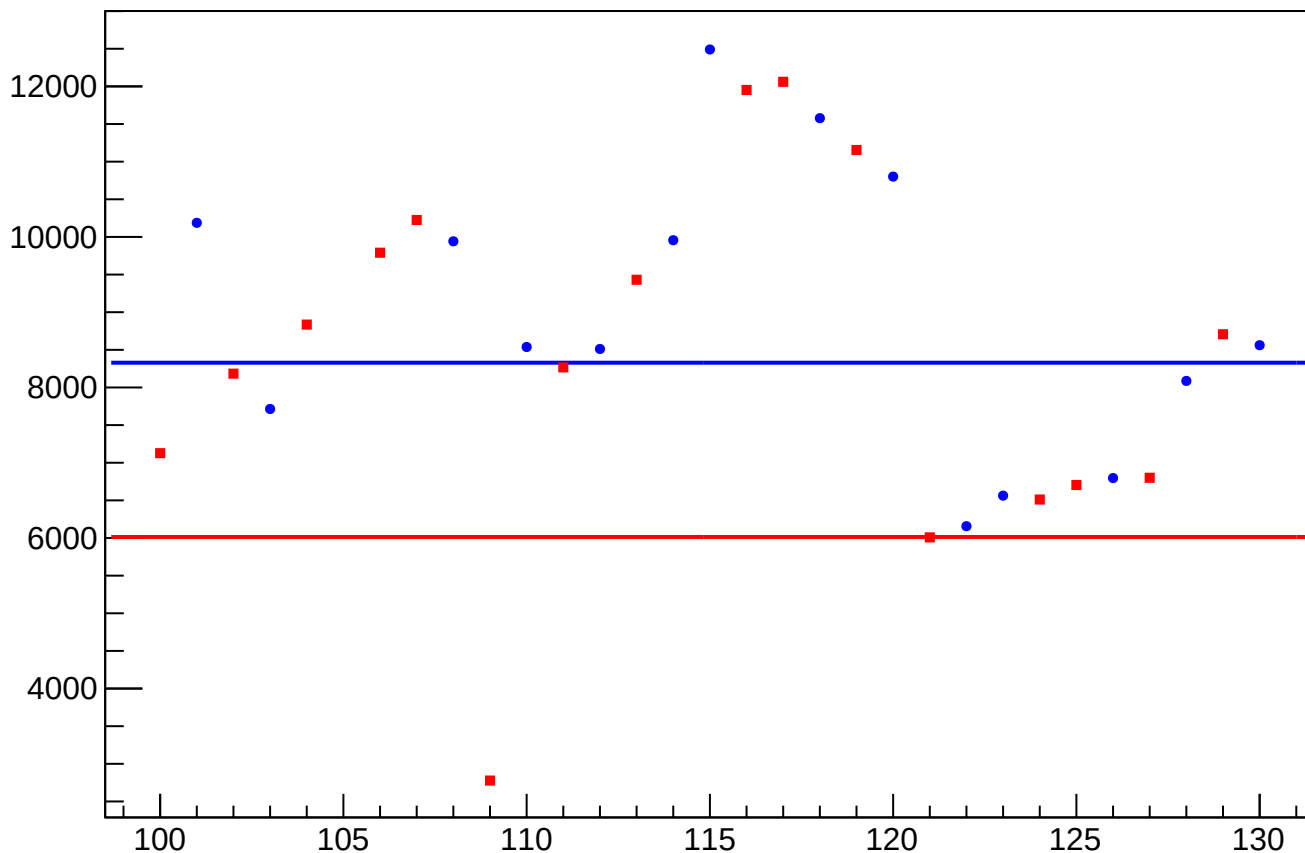
Right Out: 1.044+/-2.850 χ^2/NDF : 21.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-0.712+/-3.701 χ^2/NDF : 8.9/13

1.044+/-2.850 χ^2/NDF : 21.0/15

diff_bpm1Y_rms vs Slug



Right In: 8329.050+/-2.617 χ^2/NDF : 359774.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

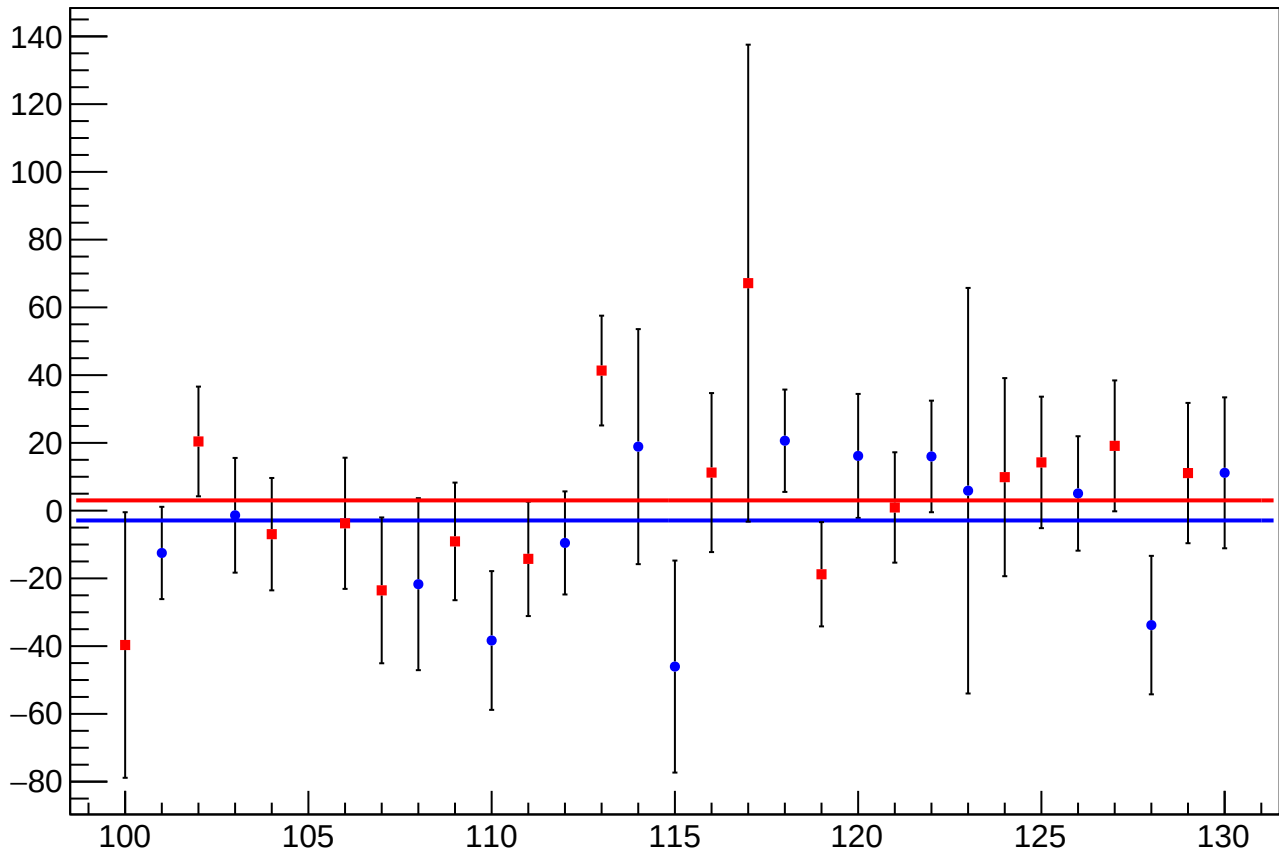
Right Out: 6013.877+/-2.016 χ^2/NDF : 2019323.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

8329.050+/-2.617 χ^2/NDF : 359774.4/13

6013.877+/-2.016 χ^2/NDF : 2019323.8/15

diff_bpm11X_mean vs Slug



Right In: -2.904+/-5.114 χ^2/NDF : 14.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

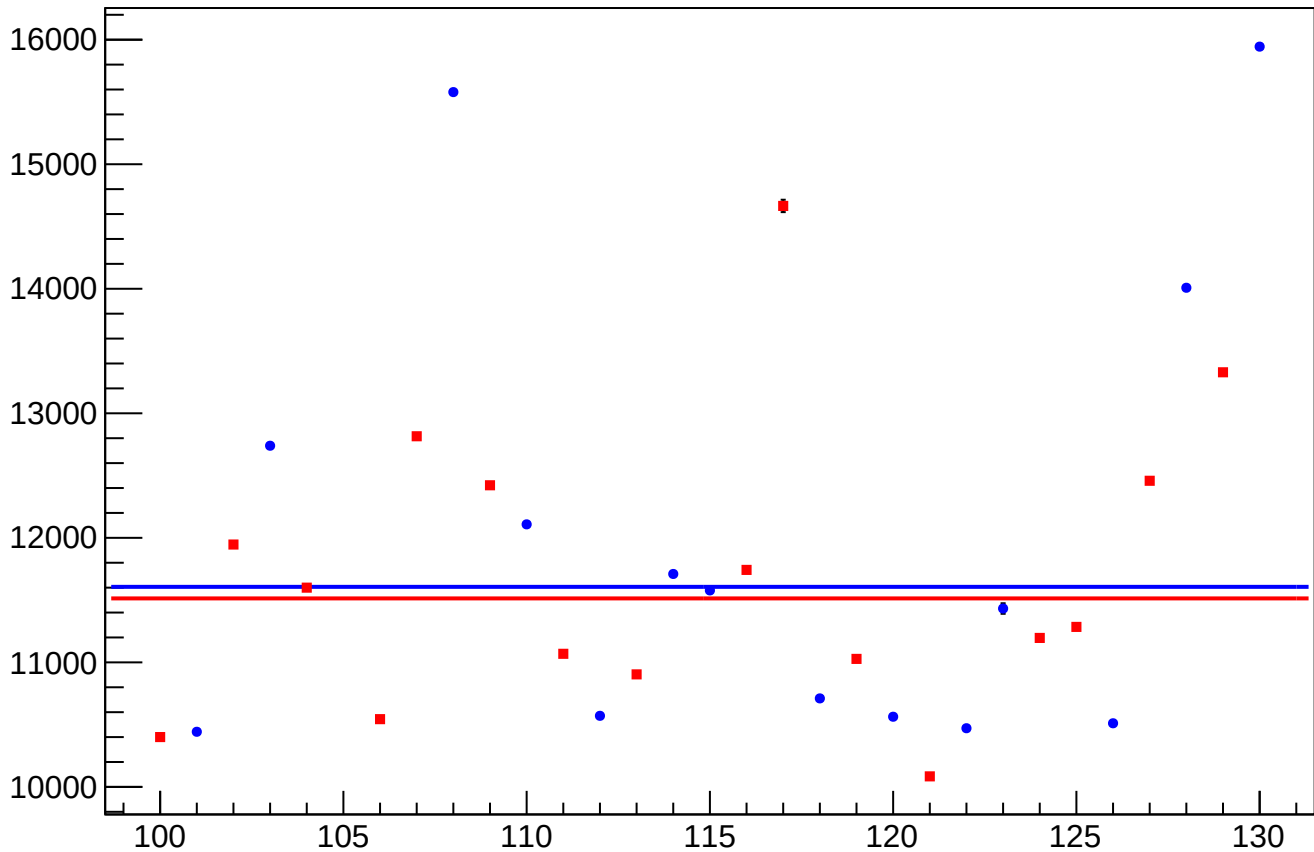
Right Out: 3.021+/-4.856 χ^2/NDF : 15.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-2.904+/-5.114 χ^2/NDF : 14.3/13

3.021+/-4.856 χ^2/NDF : 15.7/15

diff_bpm11X_rms vs Slug



Right In: 11606.443 $\pm$ 3.616 χ^2 /NDF: 217923.3/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

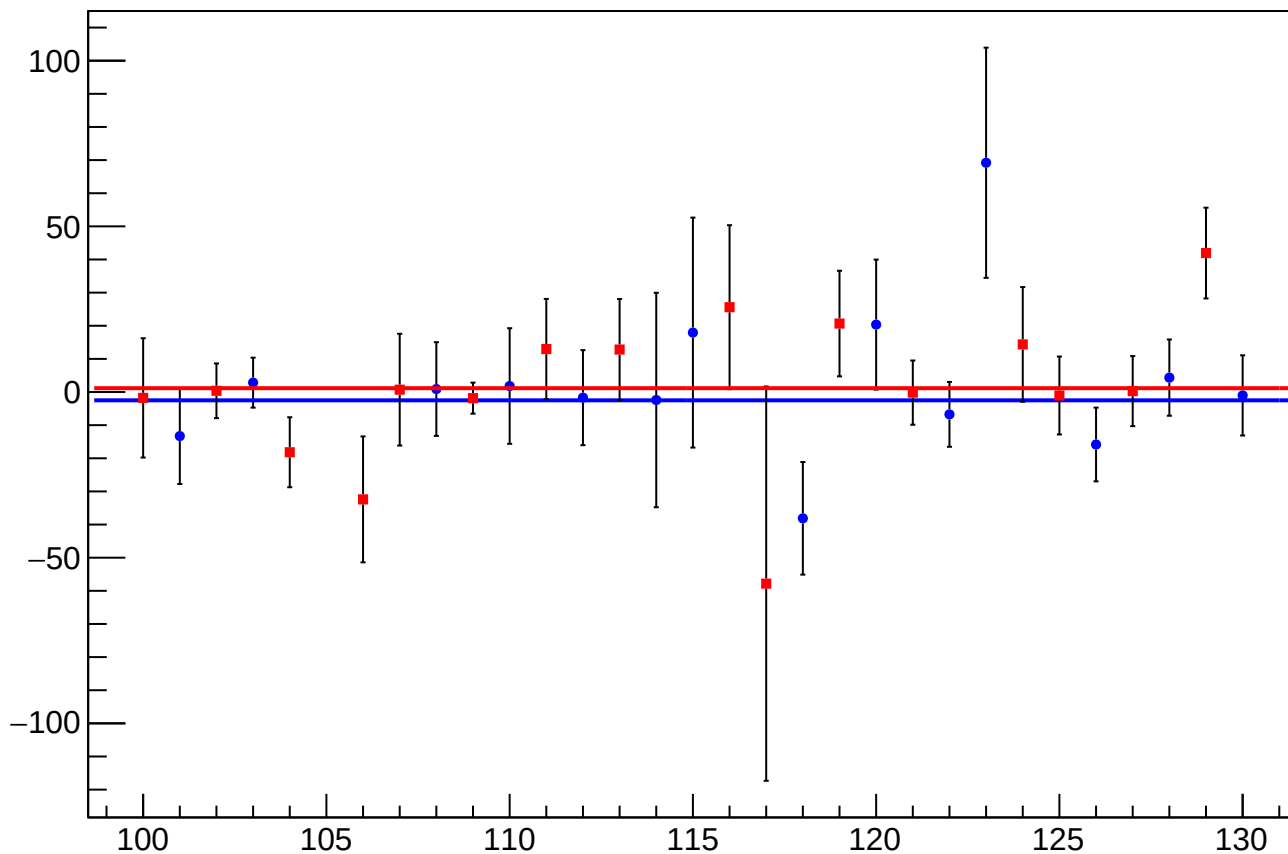
11606.443 $\pm$ 3.616 χ^2 /NDF: 217923.3/13

Right Out: 11513.548 $\pm$ 3.434 χ^2 /NDF: 67380.8/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

11513.548 $\pm$ 3.434 χ^2 /NDF: 67380.8/15

diff_bpm11Y_mean vs Slug



Right In: -2.505+/-3.601 χ^2 /NDF: 13.5/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

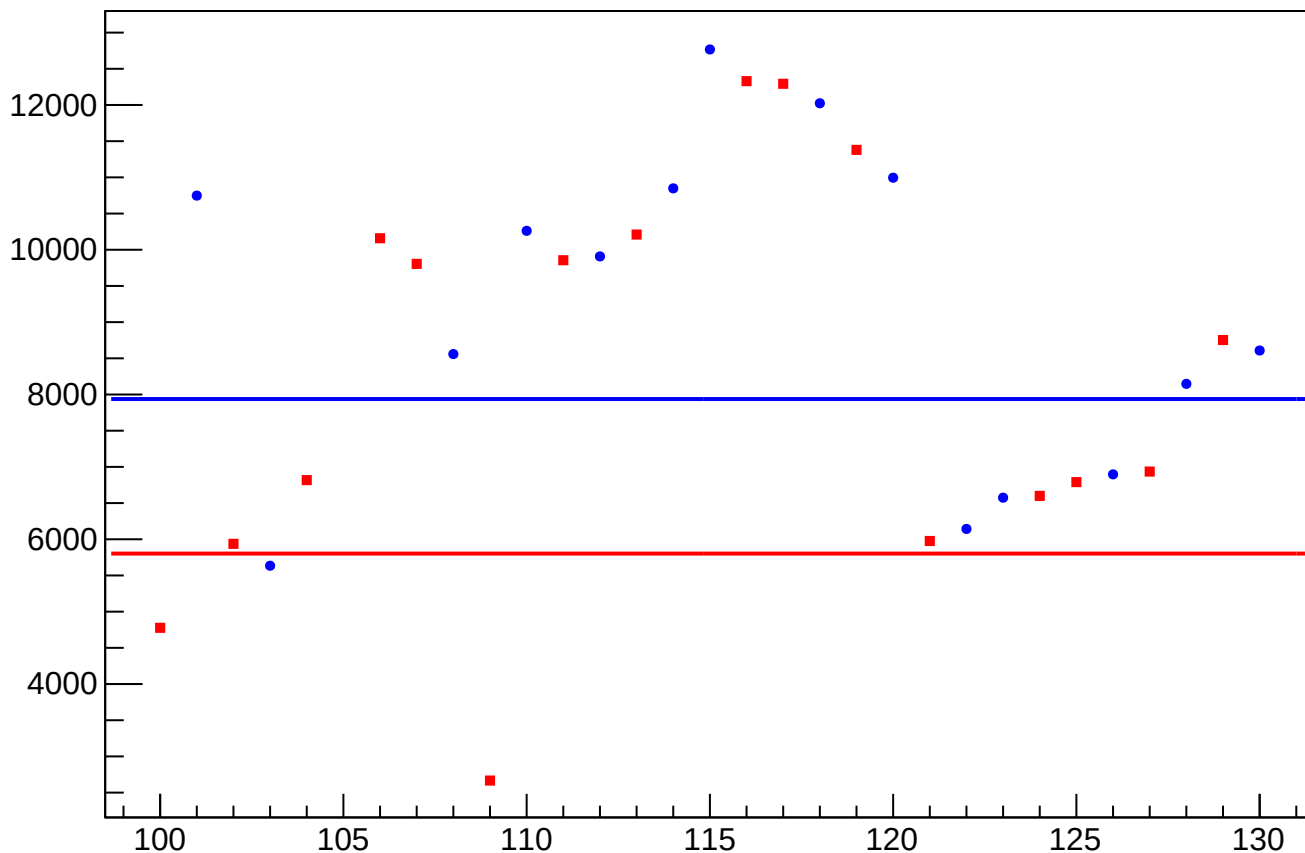
Right Out: 1.157+/-2.789 χ^2 /NDF: 21.1/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

-2.505+/-3.601 χ^2 /NDF: 13.5/13

1.157+/-2.789 χ^2 /NDF: 21.1/15

diff_bpm11Y_rms vs Slug



Right In: 7937.471+/-2.546 χ^2/NDF : 653097.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

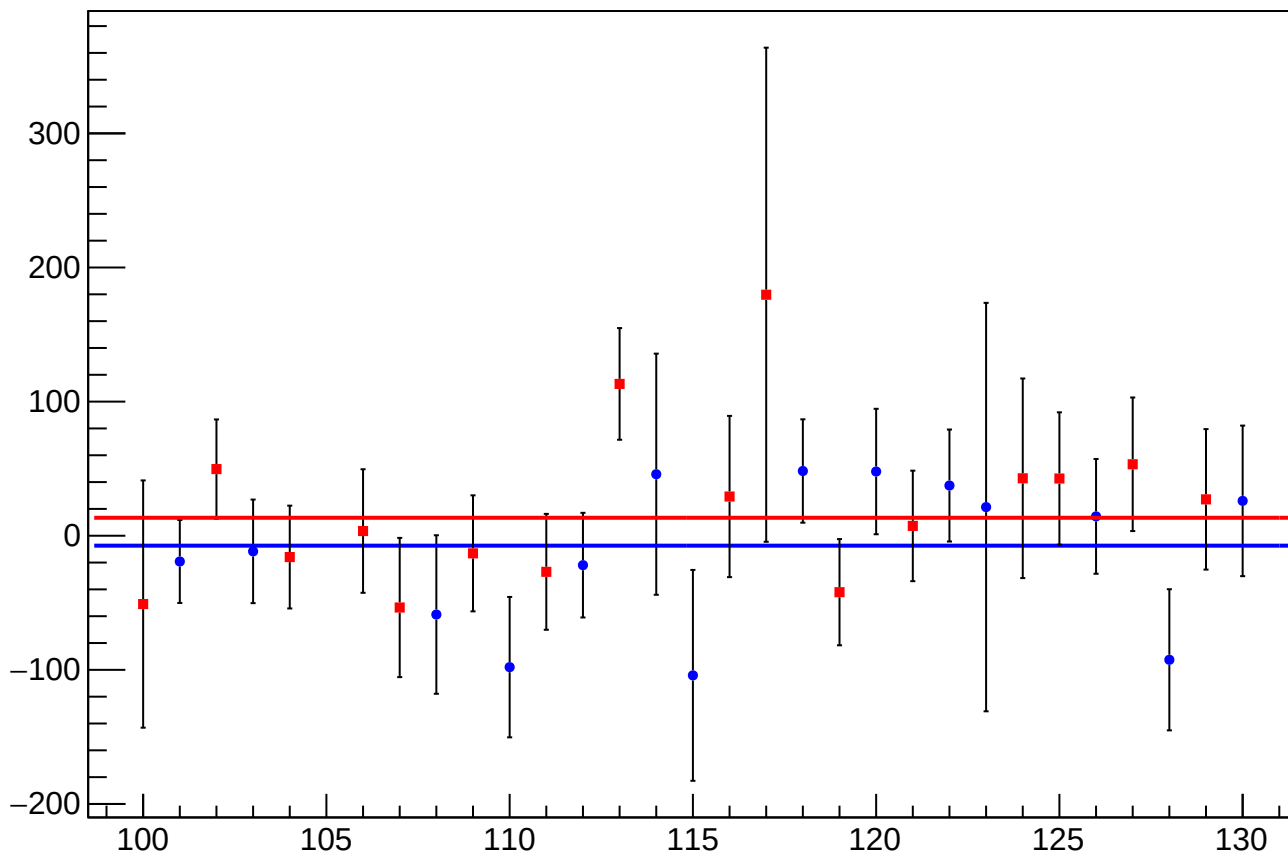
Right Out: 5802.285+/-1.972 χ^2/NDF : 1991657.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

7937.471+/-2.546 χ^2/NDF : 653097.1/13

5802.285+/-1.972 χ^2/NDF : 1991657.6/15

diff_bpm12X_mean vs Slug



Right In: -7.404 ± 12.617 χ^2/NDF : 13.8/13

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

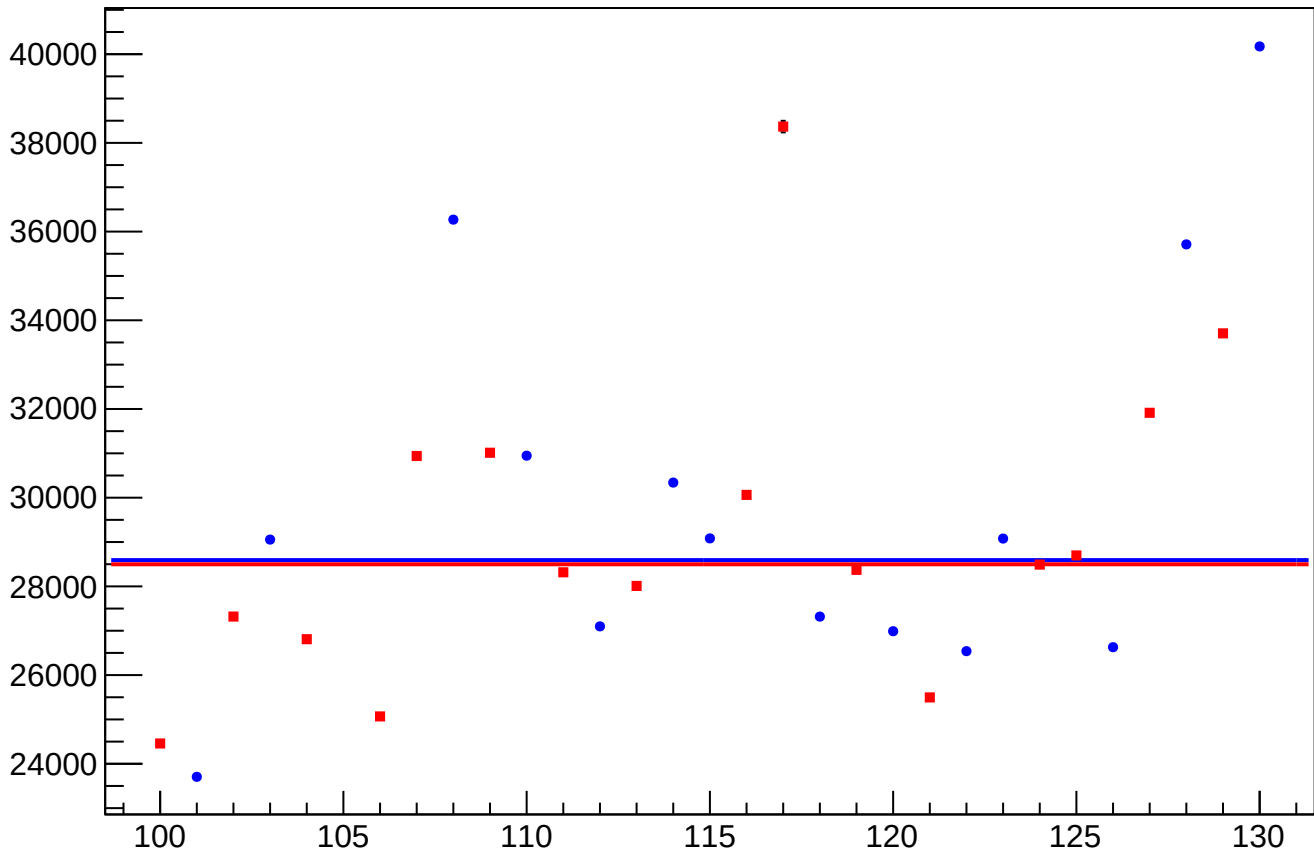
Right Out: 13.397 ± 12.030 χ^2/NDF : 14.8/15

Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

-7.404 ± 12.617 χ^2/NDF : 13.8/13

13.397 ± 12.030 χ^2/NDF : 14.8/15

diff_bpm12X_rms vs Slug



Right In: 28592.440+/-8.922 χ^2/NDF : 227132.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

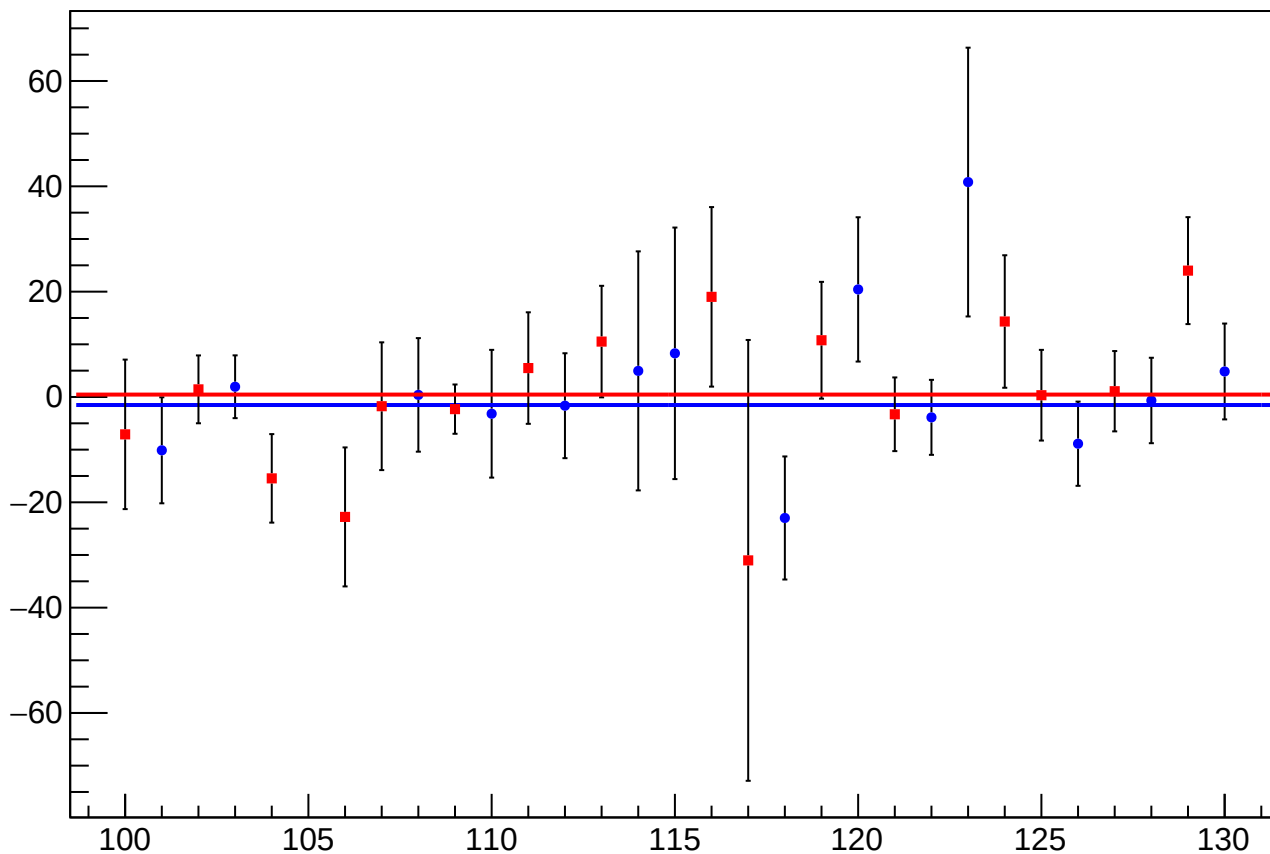
28592.440+/-8.922 χ^2/NDF : 227132.9/13

Right Out: 28498.324+/-8.507 χ^2/NDF : 79290.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

28498.324+/-8.507 χ^2/NDF : 79290.8/15

diff_bpm12Y_mean vs Slug



Right In: -1.524+/-2.635 χ^2 /NDF: 11.5/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

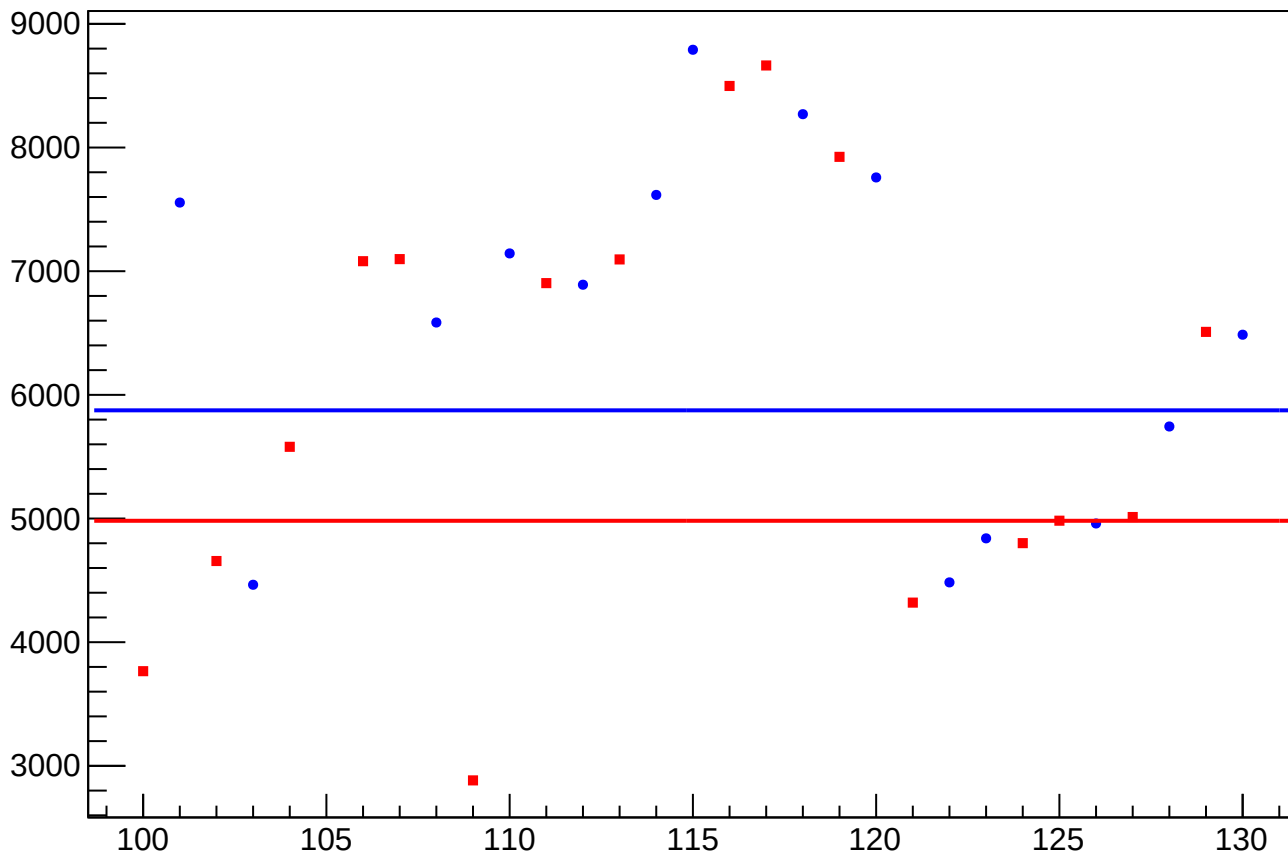
Right Out: 0.456+/-2.244 χ^2 /NDF: 18.0/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

-1.524+/-2.635 χ^2 /NDF: 11.5/13

0.456+/-2.244 χ^2 /NDF: 18.0/15

diff_bpm12Y_rms vs Slug



Right In: 5874.903+/-1.863 χ^2/NDF : 497875.5/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

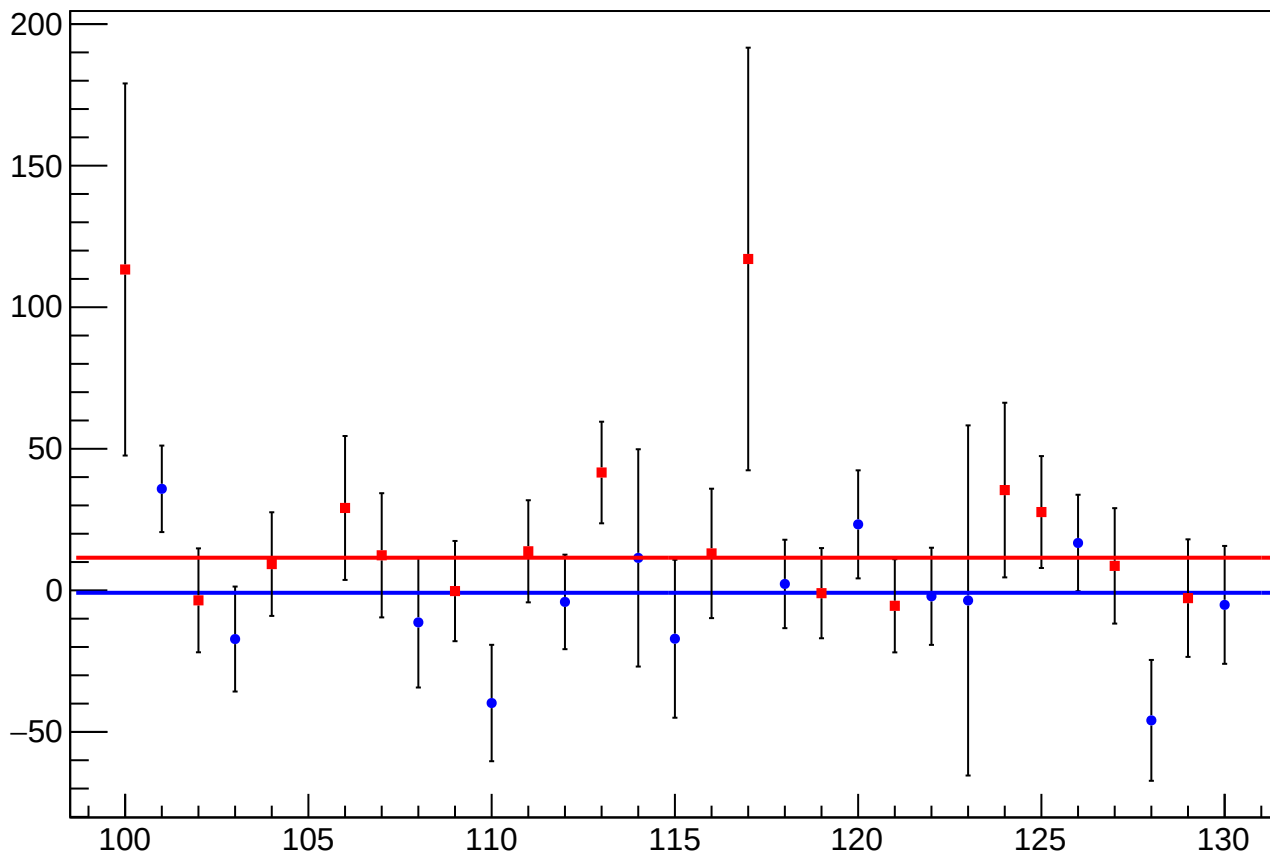
5874.903+/-1.863 χ^2/NDF : 497875.5/13

Right Out: 4981.747+/-1.587 χ^2/NDF : 994462.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

4981.747+/-1.587 χ^2/NDF : 994462.8/15

diff_bpm16X_mean vs Slug



Right In: -0.857 ± 5.310 χ^2/NDF : 18.0/13

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

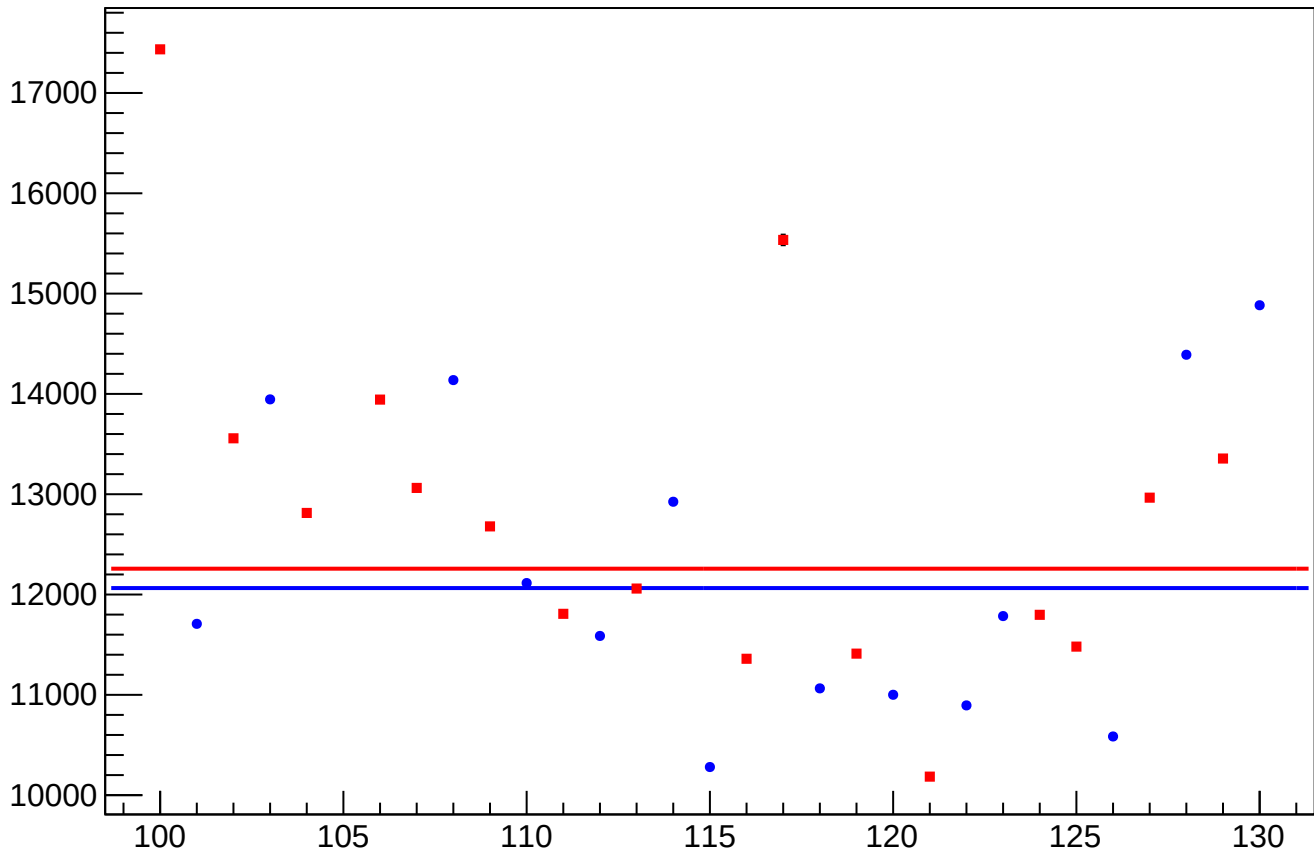
Right Out: 11.533 ± 5.181 χ^2/NDF : 12.3/15

Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

-0.857 ± 5.310 χ^2/NDF : 18.0/13

11.533 ± 5.181 χ^2/NDF : 12.3/15

diff_bpm16X_rms vs Slug



Right In: 12064.453+/-3.755 χ^2/NDF : 148041.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

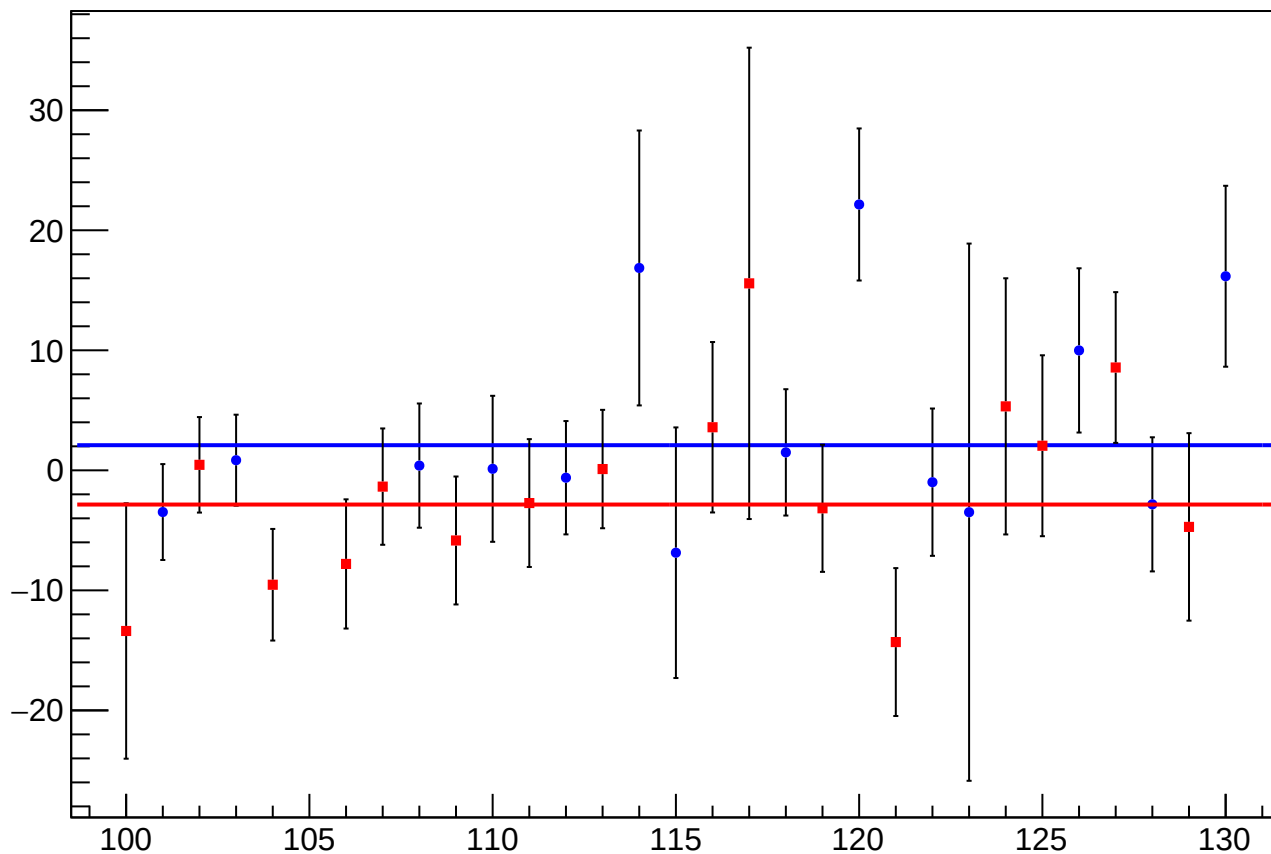
12064.453+/-3.755 χ^2/NDF : 148041.7/13

Right Out: 12257.651+/-3.664 χ^2/NDF : 94296.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

12257.651+/-3.664 χ^2/NDF : 94296.0/15

diff_bpm16Y_mean vs Slug



Right In: 2.094+/-1.545 χ^2/NDF : 20.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

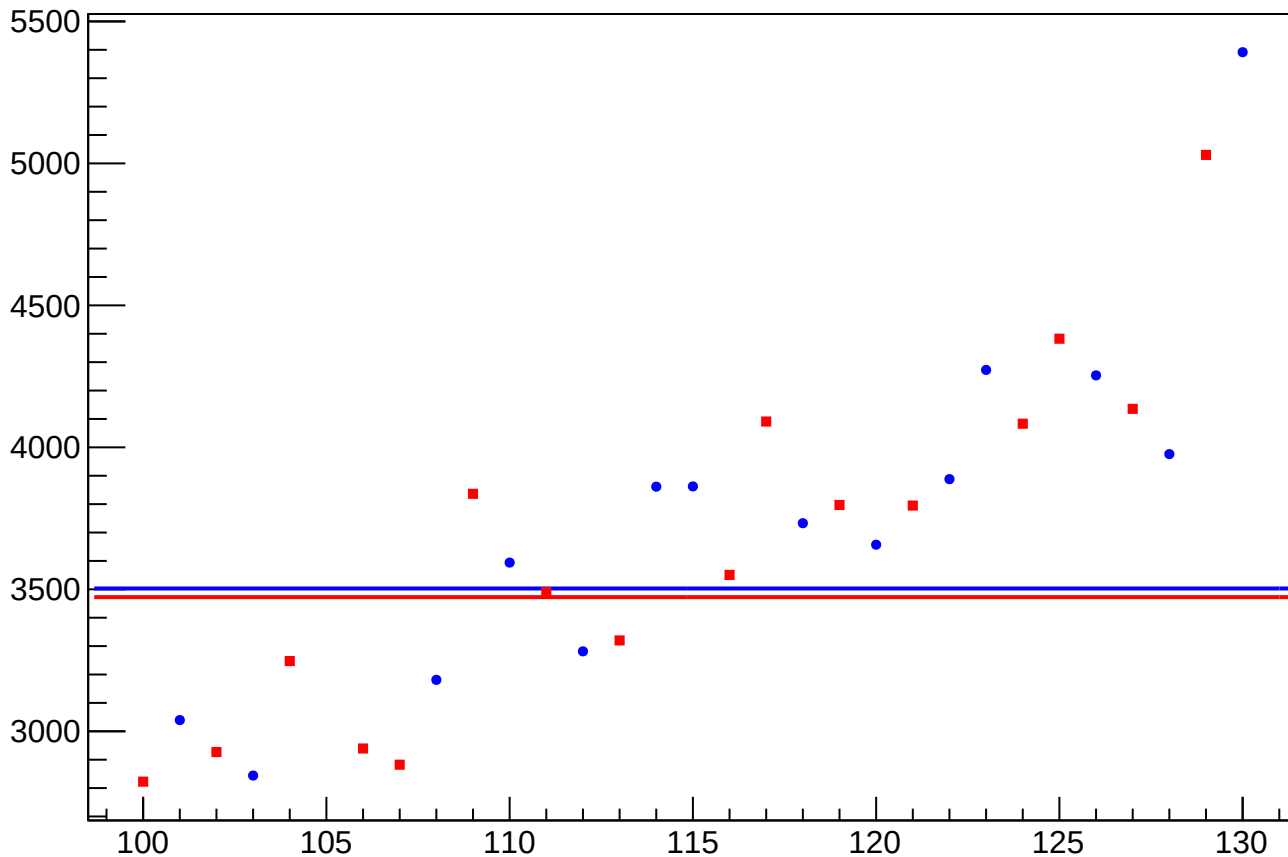
Right Out: -2.850+/-1.475 χ^2/NDF : 14.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

2.094+/-1.545 χ^2/NDF : 20.9/13

-2.850+/-1.475 χ^2/NDF : 14.9/15

diff_bpm16Y_rms vs Slug



Right In: 3502.940 $\pm$ 1.093 χ^2 /NDF: 283512.4/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

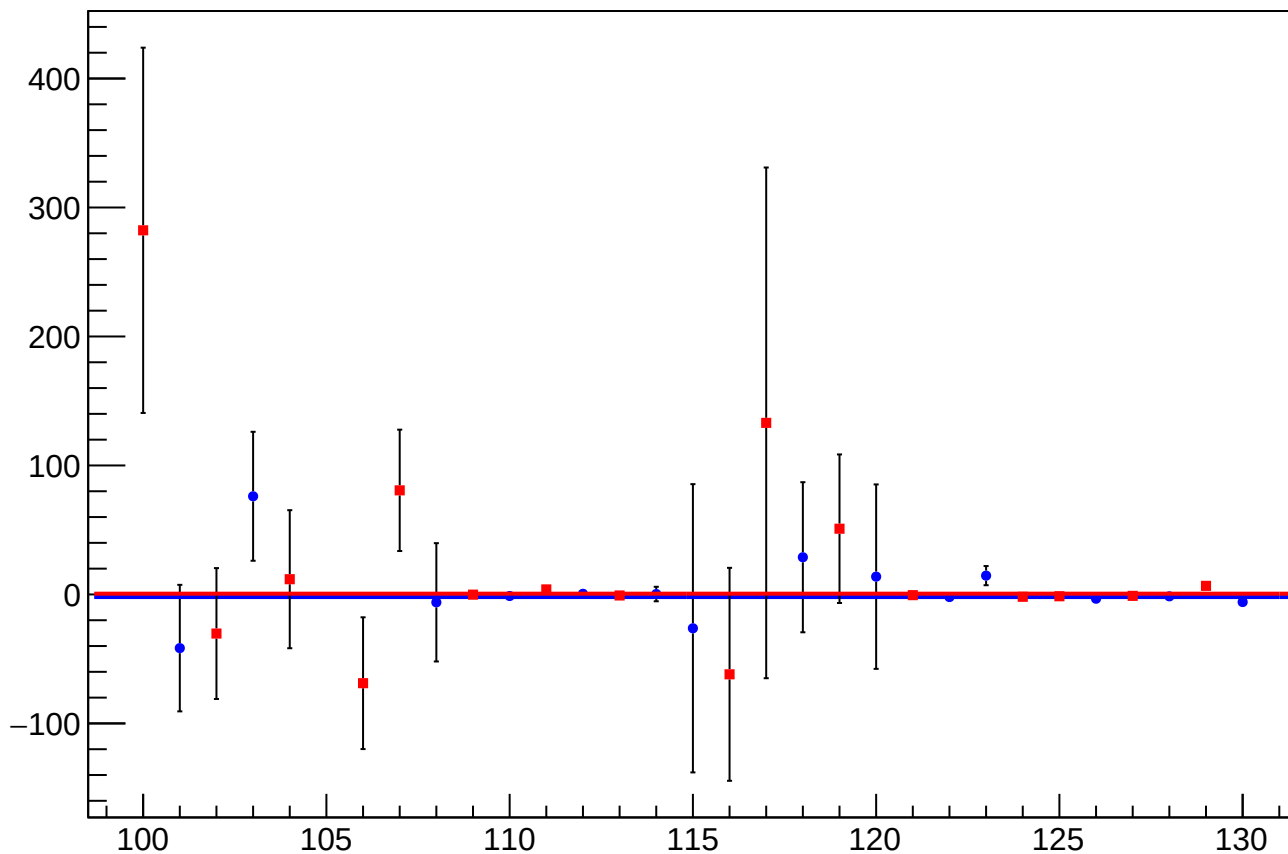
Right Out: 3472.444 $\pm$ 1.043 χ^2 /NDF: 263044.8/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

3502.940 $\pm$ 1.093 χ^2 /NDF: 283512.4/13

3472.444 $\pm$ 1.043 χ^2 /NDF: 263044.8/15

diff_bpm1p02bX_mean vs Slug



Right In: -2.030+/-0.961 χ^2/NDF : 12.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

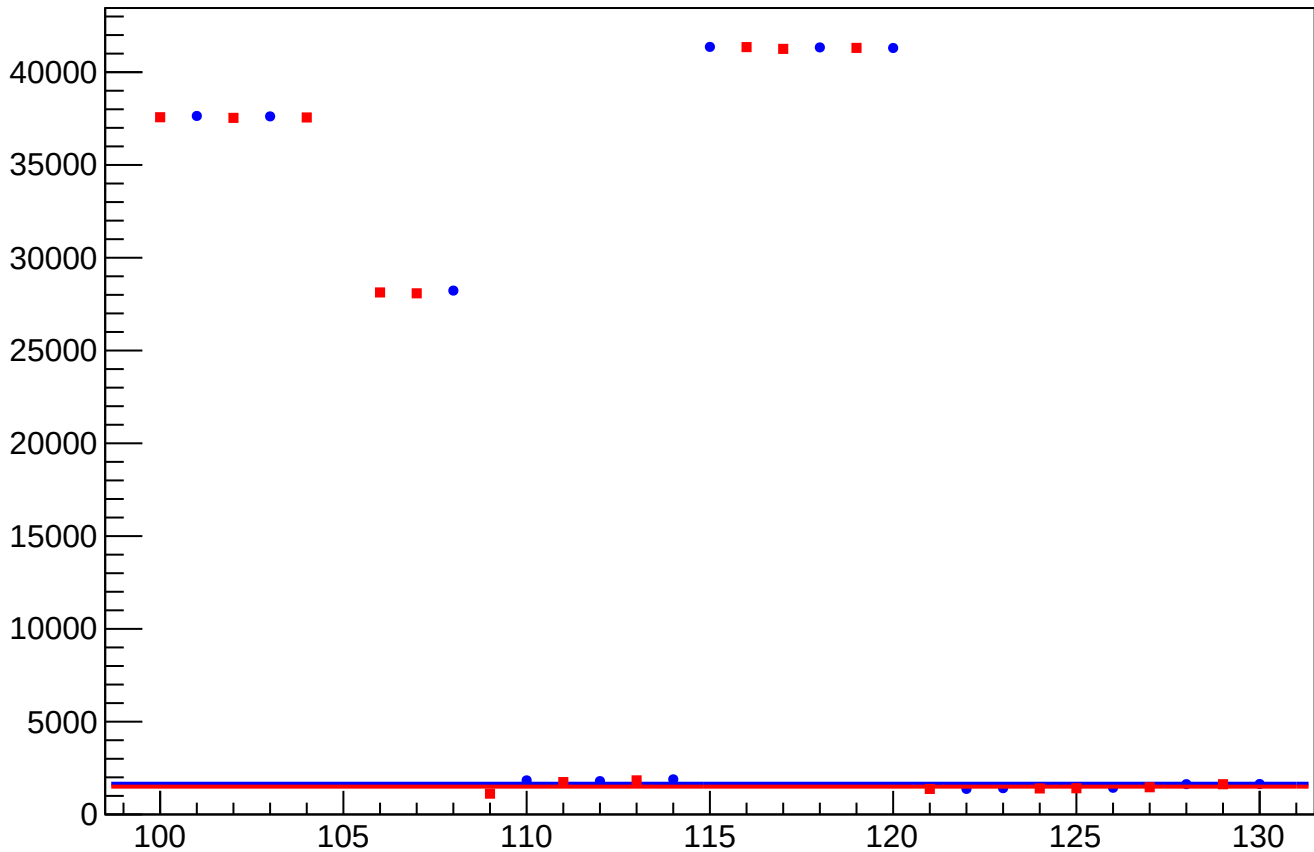
Right Out: 0.594+/-0.867 χ^2/NDF : 20.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-2.030+/-0.961 χ^2/NDF : 12.8/13

0.594+/-0.867 χ^2/NDF : 20.4/15

diff_bpm1p02bX_rms vs Slug



Right In: 1656.039 $\pm$ 0.680 χ^2/NDF : 4650057.1/13

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

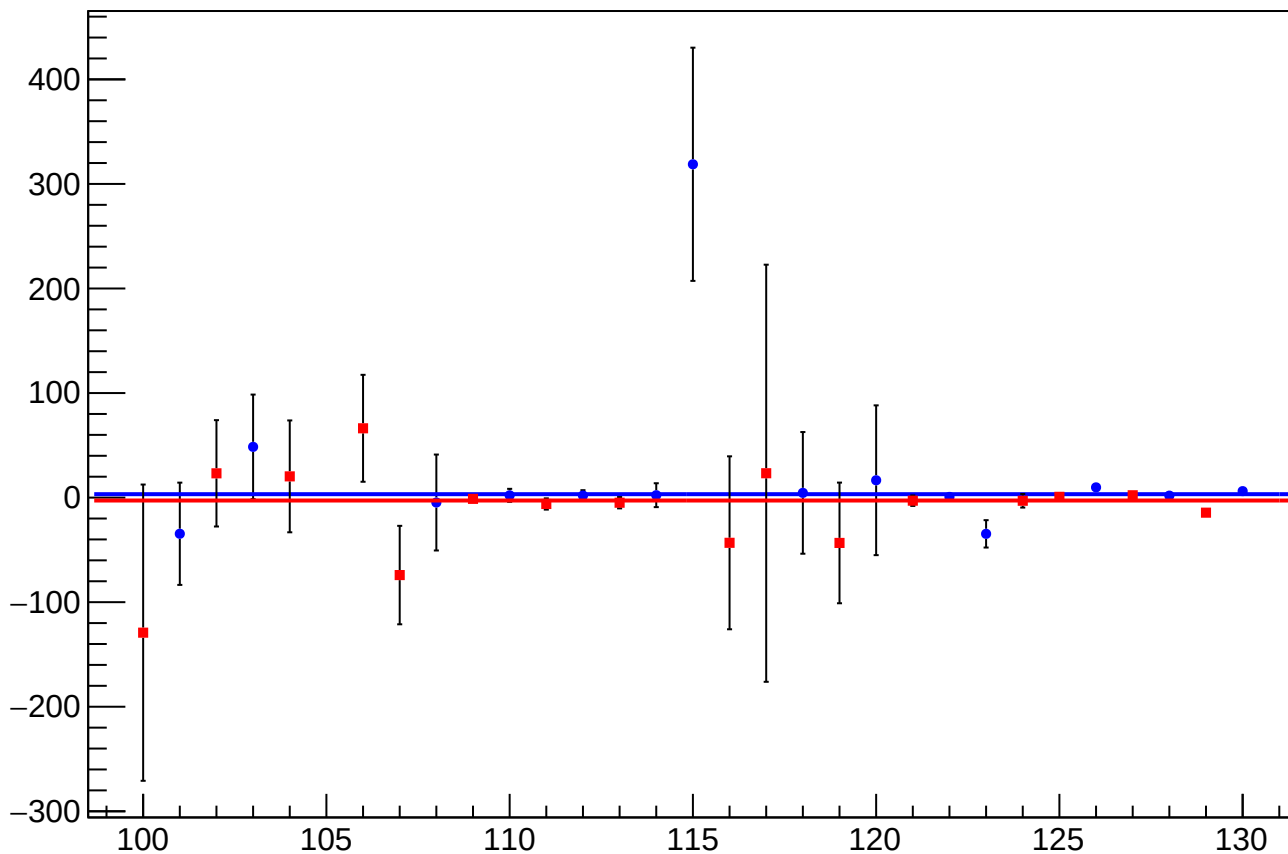
1656.039 $\pm$ 0.680 χ^2/NDF : 4650057.1/13

Right Out: 1498.675 $\pm$ 0.613 χ^2/NDF : 4887674.9/15

Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

1498.675 $\pm$ 0.613 χ^2/NDF : 4887674.9/15

diff_bpm1p02bY_mean vs Slug



Right In: 3.278+/-1.752 χ^2/NDF : 21.5/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

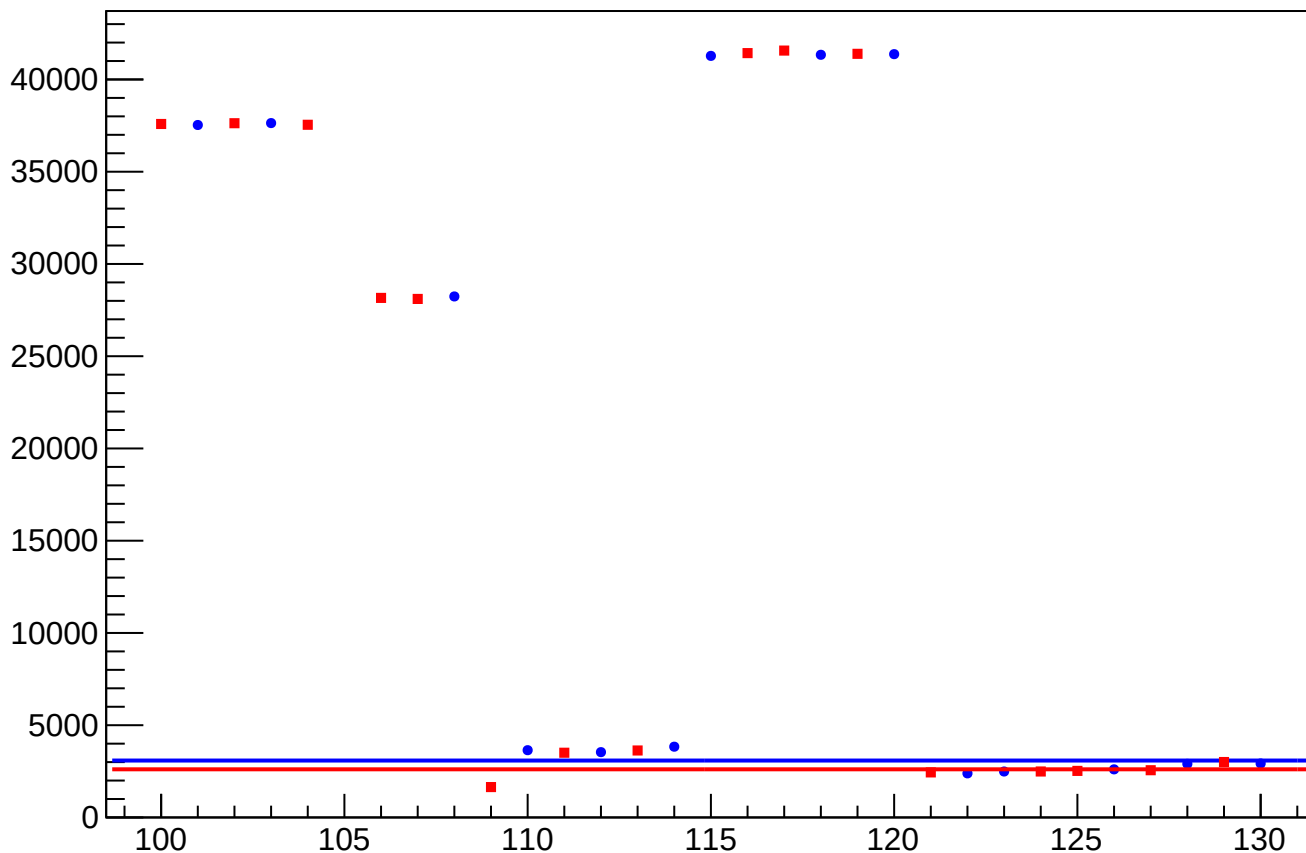
Right Out: -2.774+/-1.512 χ^2/NDF : 15.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

3.278+/-1.752 χ^2/NDF : 21.5/13

-2.774+/-1.512 χ^2/NDF : 15.5/15

diff_bpm1p02bY_rms vs Slug



Right In: 3084.952+/-1.239 χ^2/NDF : 4364177.5/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

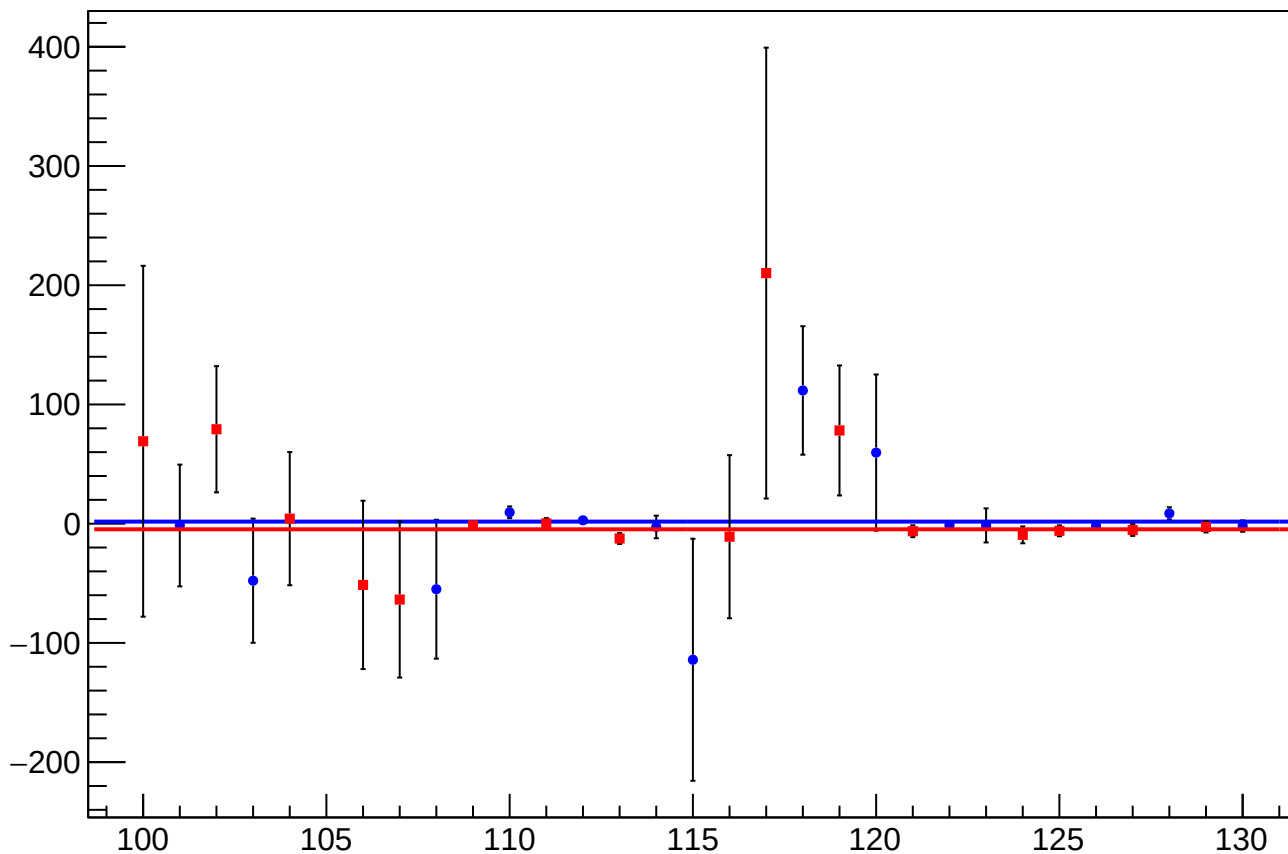
Right Out: 2609.530+/-1.069 χ^2/NDF : 4831765.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

3084.952+/-1.239 χ^2/NDF : 4364177.5/13

2609.530+/-1.069 χ^2/NDF : 4831765.2/15

diff_bpm1p03aX_mean vs Slug



Right In: 1.747+/-1.766 χ^2/NDF : 14.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

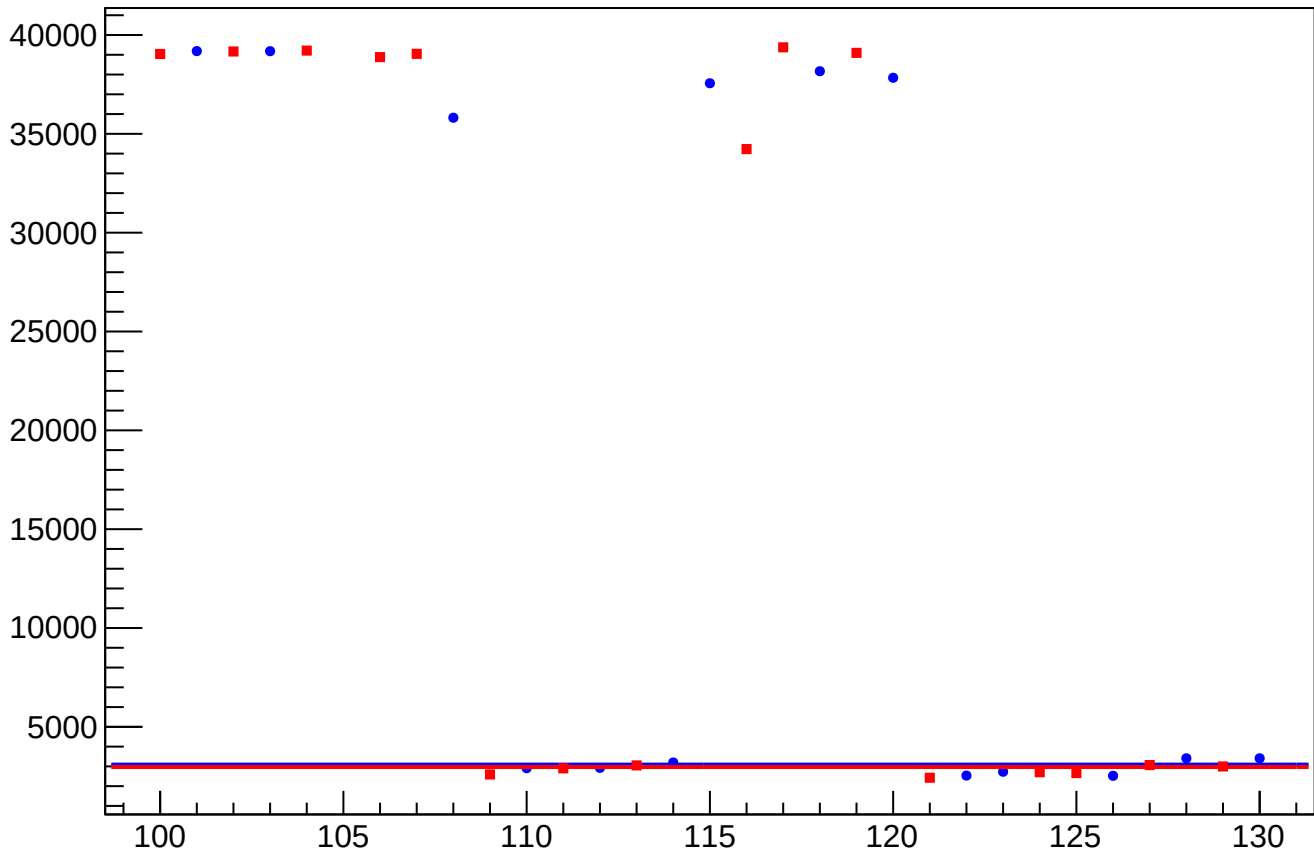
Right Out: -4.704+/-1.653 χ^2/NDF : 13.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1.747+/-1.766 χ^2/NDF : 14.7/13

-4.704+/-1.653 χ^2/NDF : 13.4/15

diff_bpm1p03aX_rms vs Slug



Right In: 3089.146 $\pm$ 1.249 χ^2 /NDF: 4334480.0/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

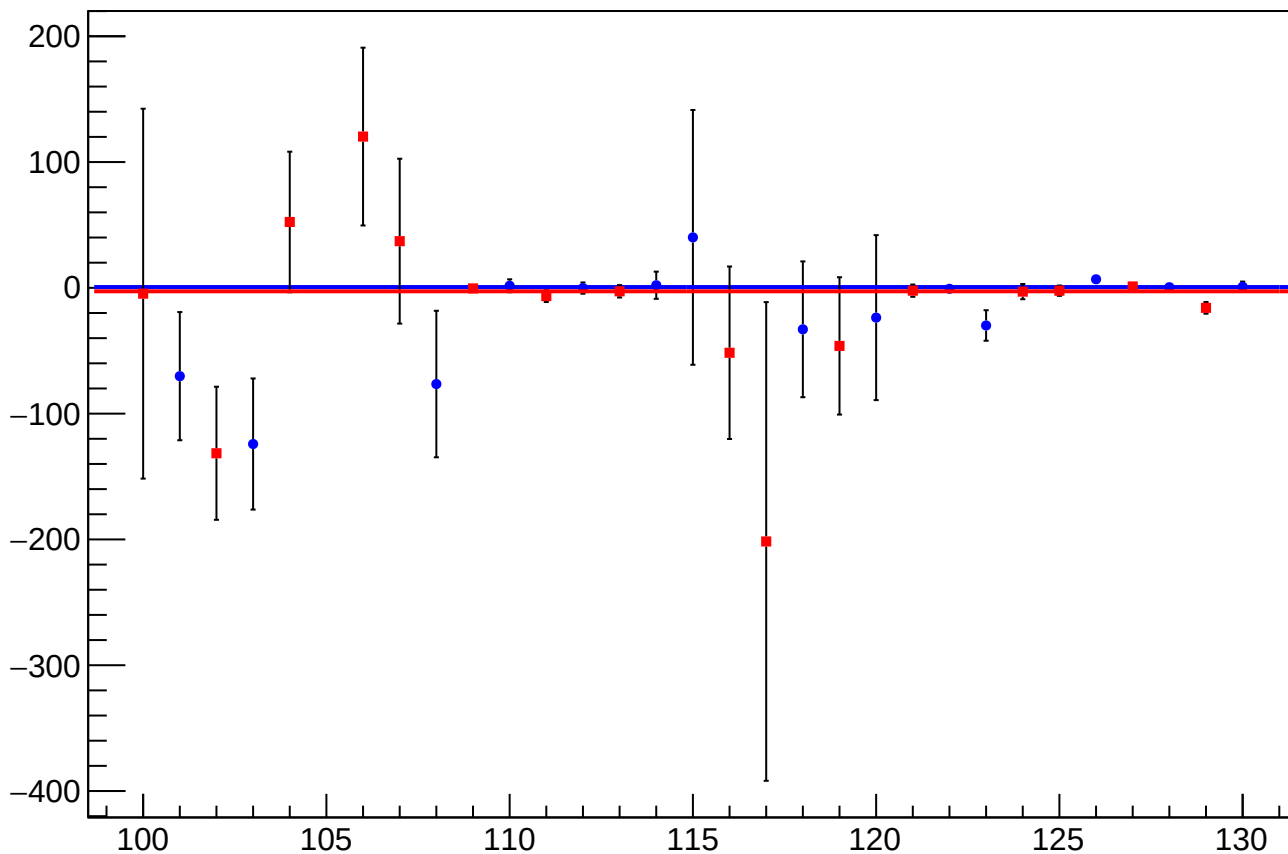
3089.146 $\pm$ 1.249 χ^2 /NDF: 4334480.0/13

Right Out: 2968.232 $\pm$ 1.169 χ^2 /NDF: 4450214.5/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

2968.232 $\pm$ 1.169 χ^2 /NDF: 4450214.5/15

diff_bpm1p03aY_mean vs Slug



Right In: 0.635+/-1.634 χ^2/NDF : 19.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

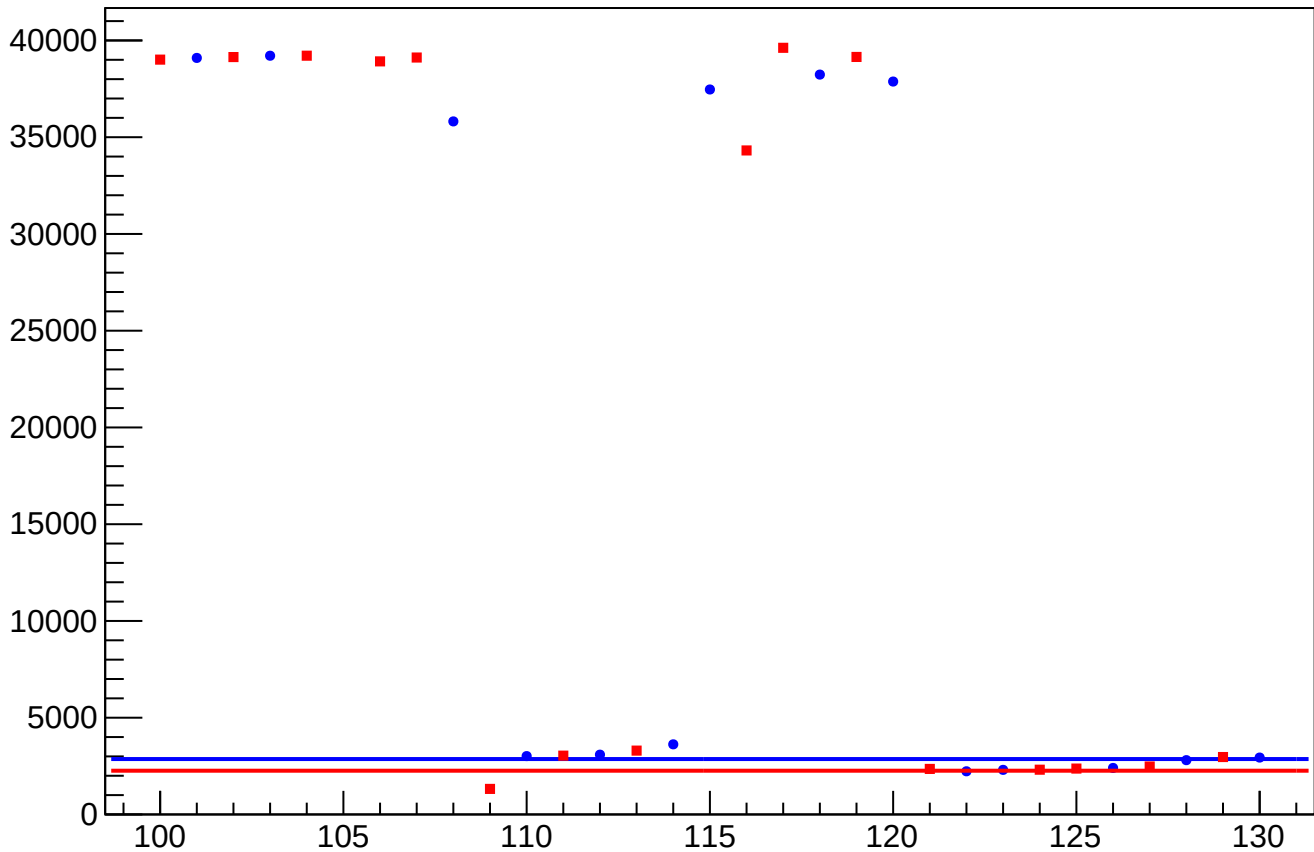
Right Out: -2.748+/-1.352 χ^2/NDF : 23.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.635+/-1.634 χ^2/NDF : 19.2/13

-2.748+/-1.352 χ^2/NDF : 23.4/15

diff_bpm1p03aY_rms vs Slug



Right In: 2863.567+/-1.156 χ^2/NDF : 4402051.6/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

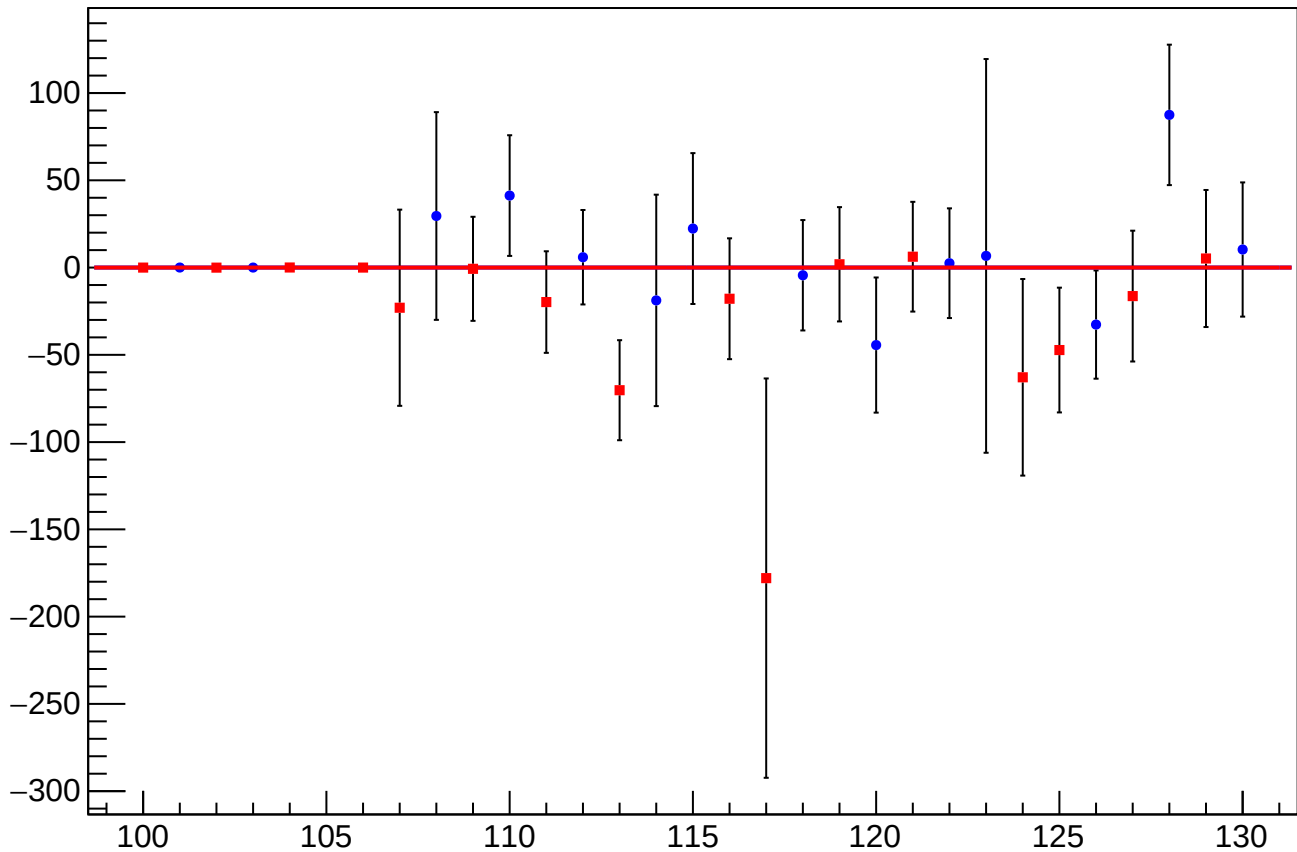
2863.567+/-1.156 χ^2/NDF : 4402051.6/13

Right Out: 2260.905+/-0.956 χ^2/NDF : 5145806.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

2260.905+/-0.956 χ^2/NDF : 5145806.1/15

diff_cav4bX_mean vs Slug



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 9.5/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

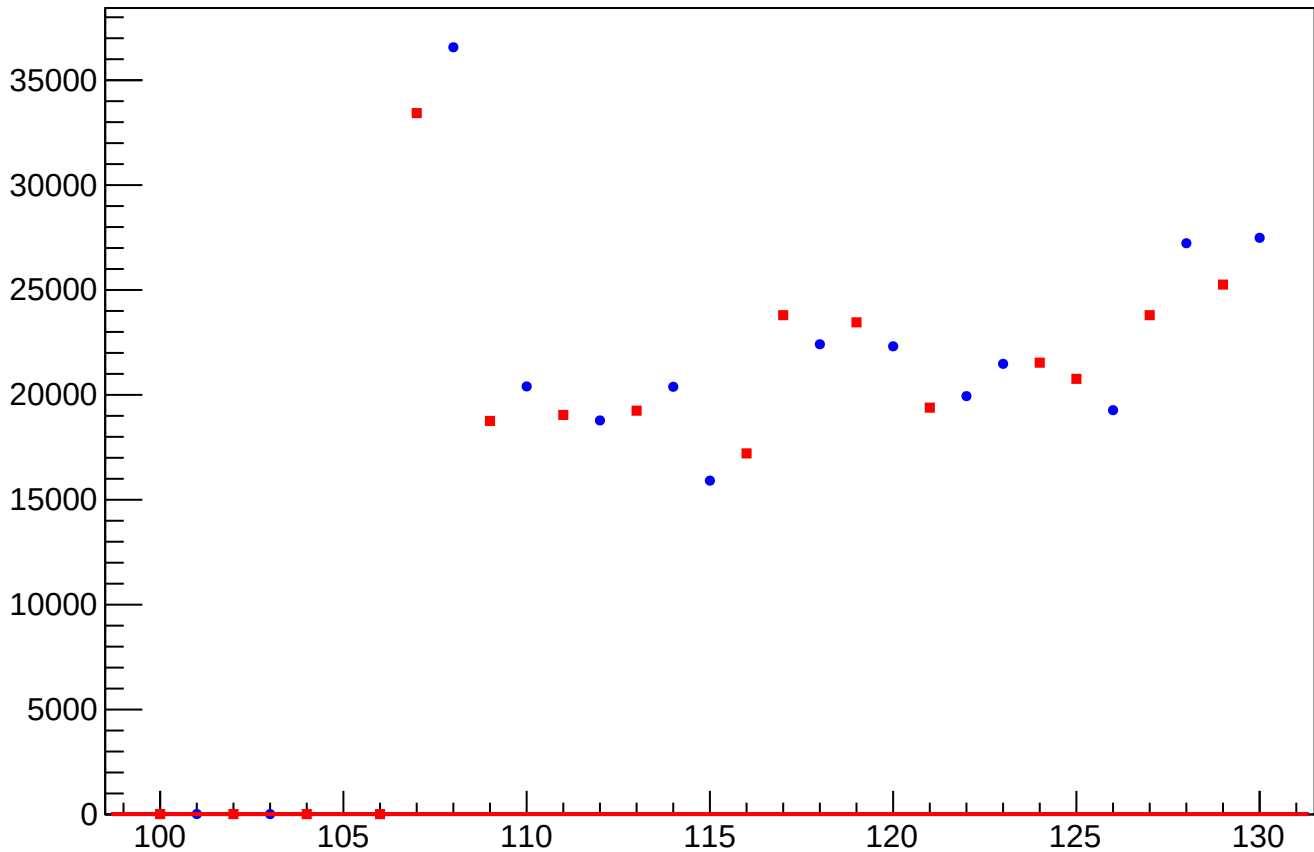
Right Out: 0.003 $\pm$ 0.016 χ^2 /NDF: 17.4/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.013 $\pm$ 0.017 χ^2 /NDF: 9.5/13

0.003 $\pm$ 0.016 χ^2 /NDF: 17.4/15

diff_cav4bX_rms vs Slug



Right In: 18.615+/-0.012 χ^2/NDF : 8167772.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

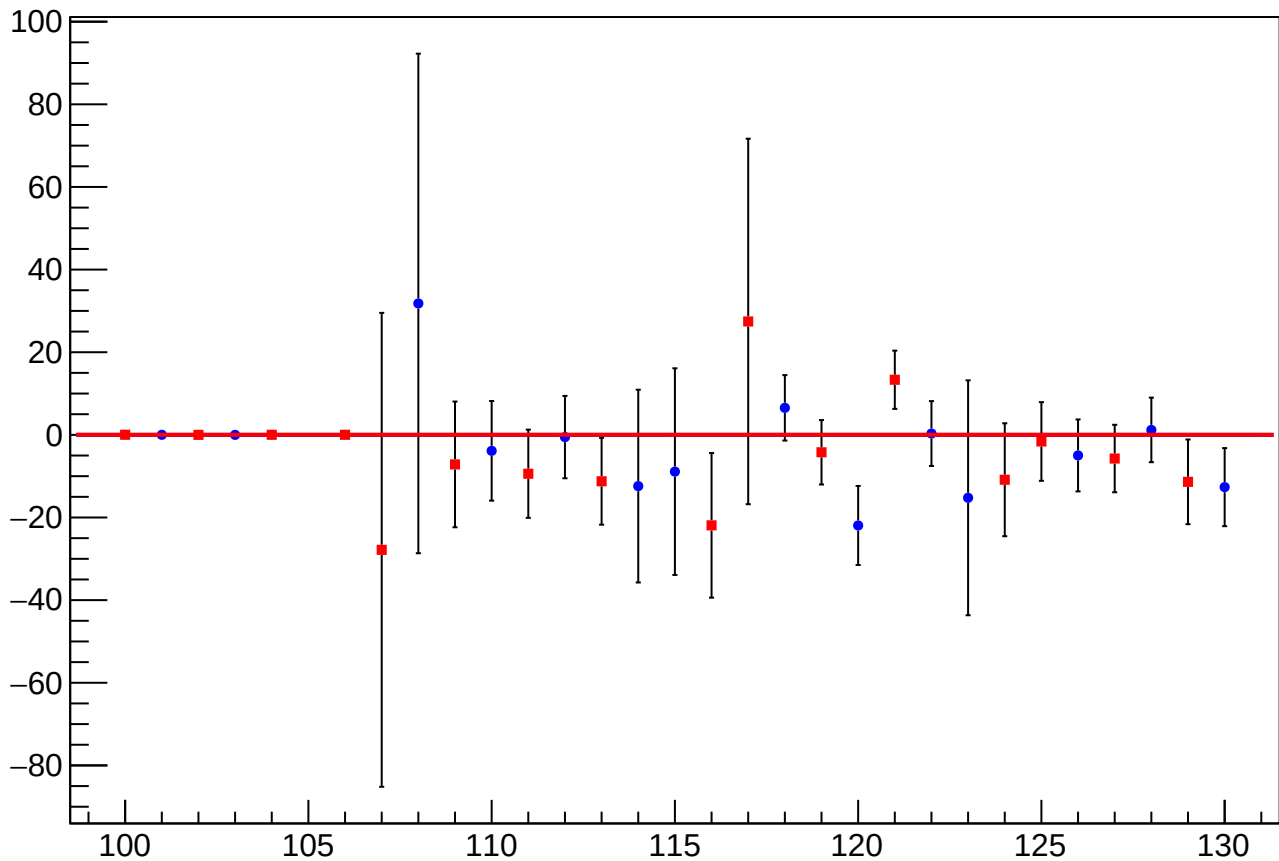
Right Out: 18.291+/-0.011 χ^2/NDF : 8225729.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

18.615+/-0.012 χ^2/NDF : 8167772.4/13

18.291+/-0.011 χ^2/NDF : 8225729.6/15

diff_cav4bY_mean vs Slug



Right In: 0.001+/-0.009 χ^2/NDF : 10.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

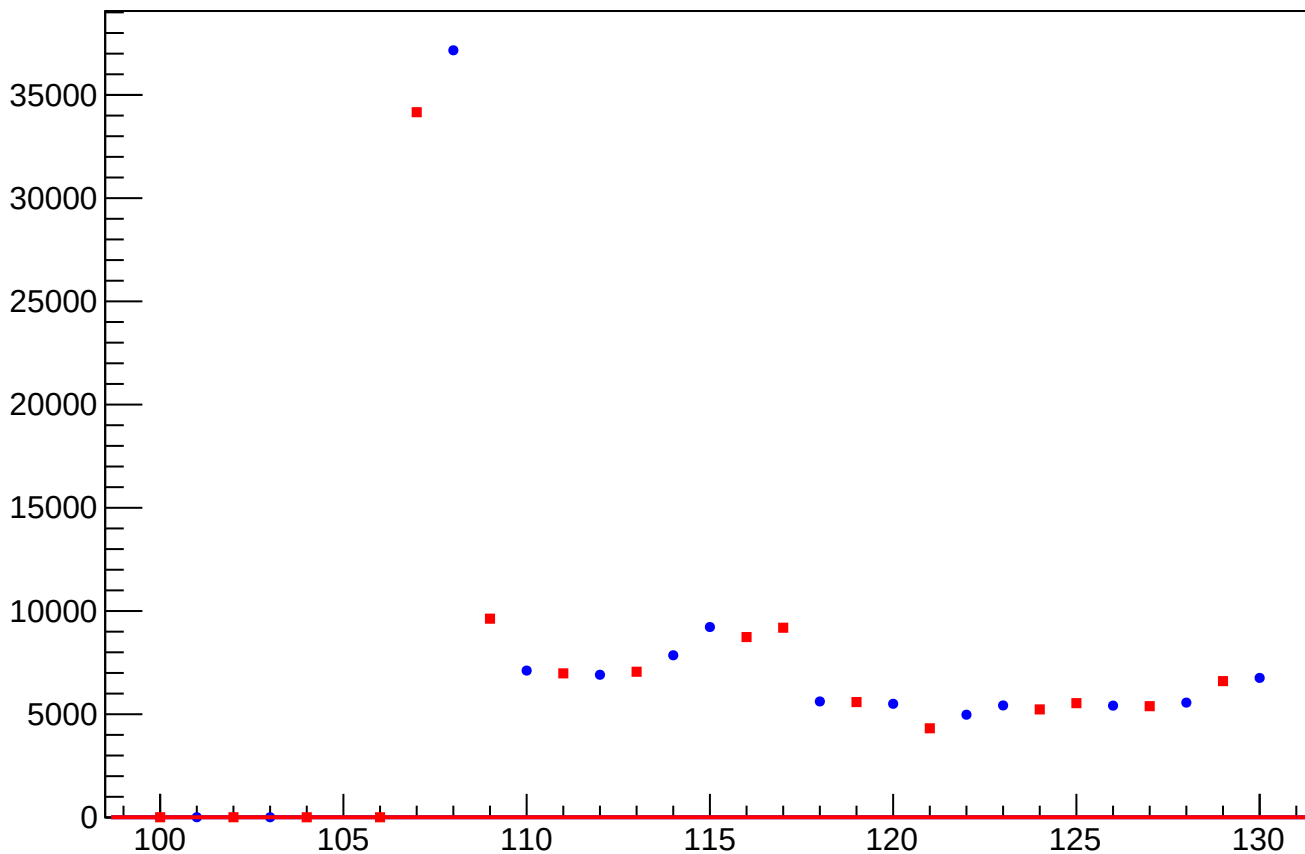
Right Out: 0.014+/-0.009 χ^2/NDF : 11.3/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.001+/-0.009 χ^2/NDF : 10.3/13

0.014+/-0.009 χ^2/NDF : 11.3/15

diff_cav4bY_rms vs Slug



Right In: 9.909+/-0.007 χ^2/NDF : 8259013.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

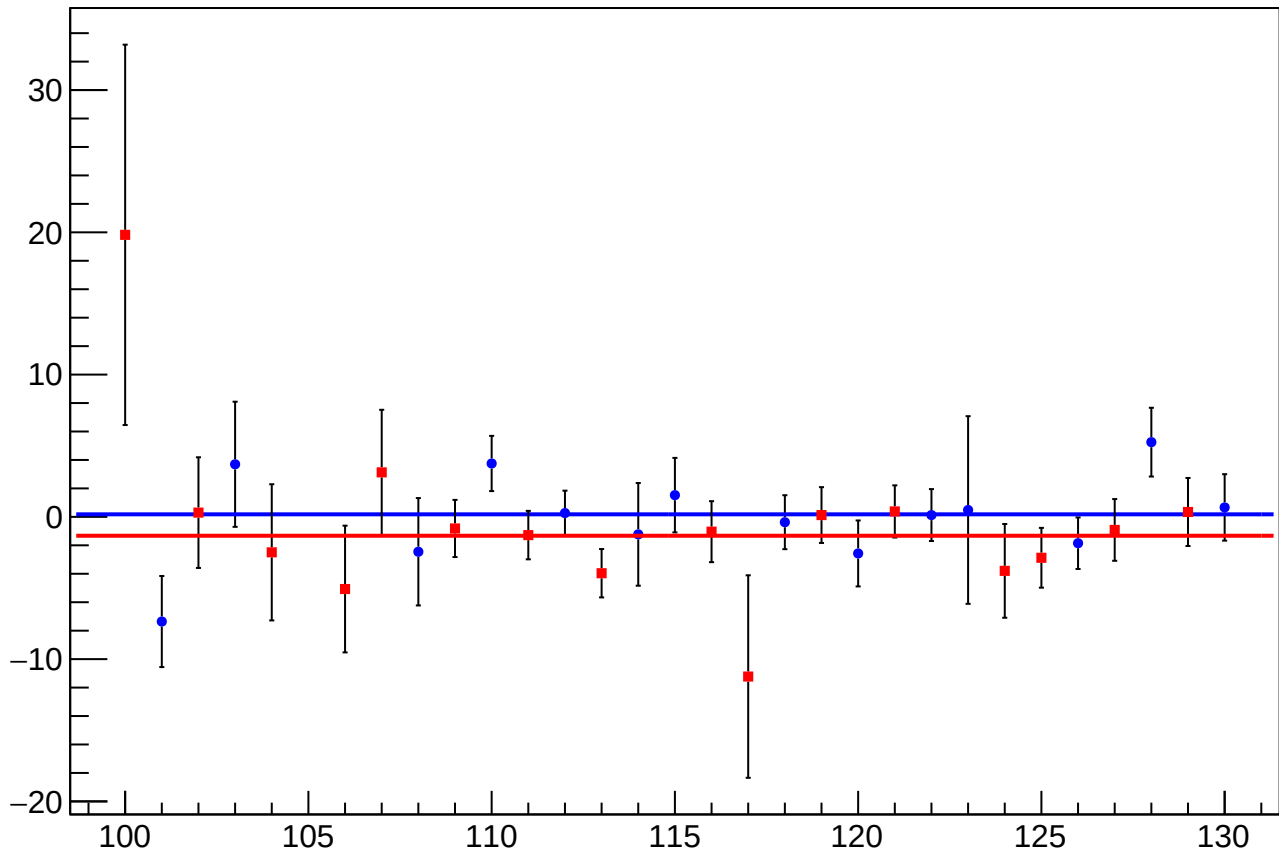
Right Out: 9.827+/-0.006 χ^2/NDF : 8290895.3/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

9.909+/-0.007 χ^2/NDF : 8259013.4/13

9.827+/-0.006 χ^2/NDF : 8290895.3/15

diff_cav4cX_mean vs Slug



Right In: 0.178+/-0.625 χ^2/NDF : 17.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

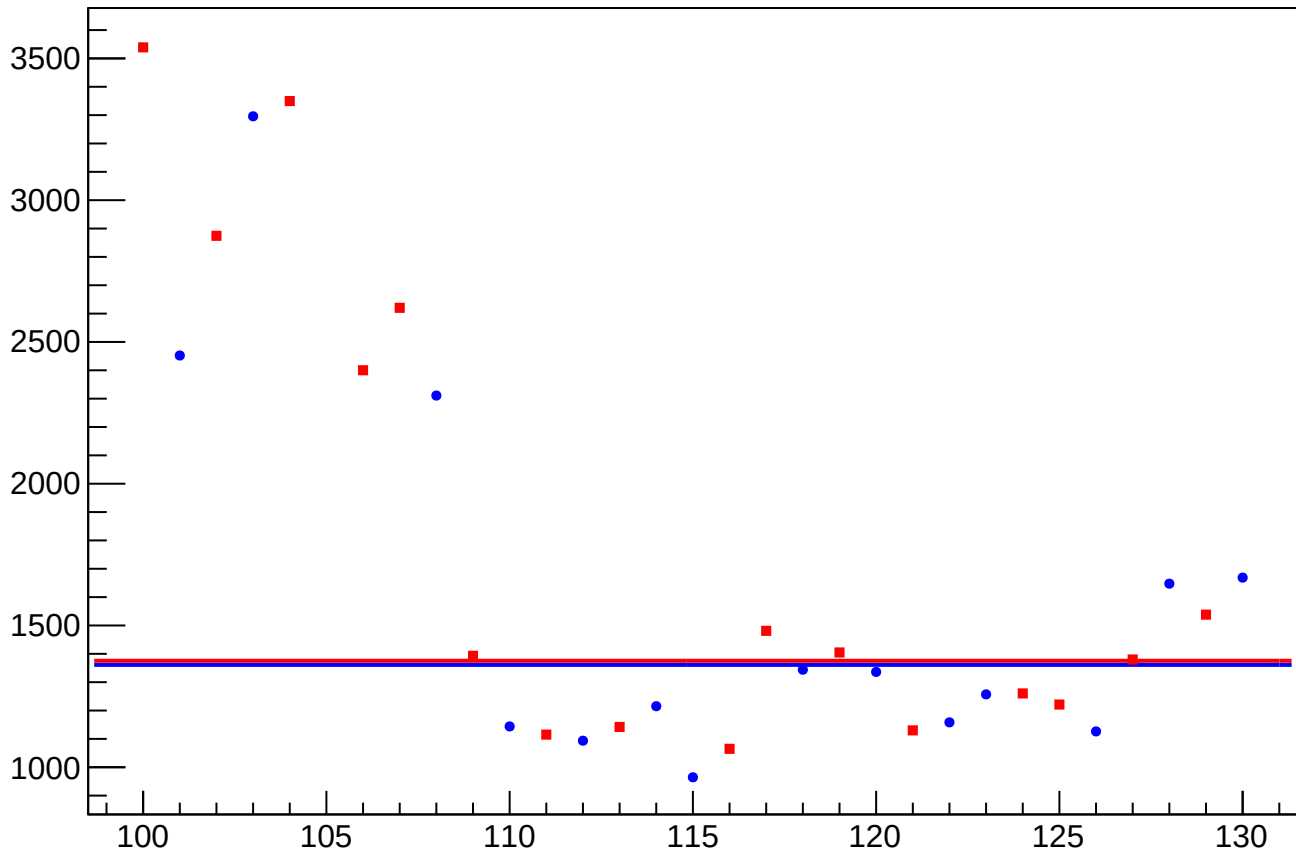
Right Out: -1.327+/-0.613 χ^2/NDF : 11.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.178+/-0.625 χ^2/NDF : 17.7/13

-1.327+/-0.613 χ^2/NDF : 11.9/15

diff_cav4cX_rms vs Slug



Right In: 1361.091 $\pm$ 0.442 χ^2 /NDF: 999809.7/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

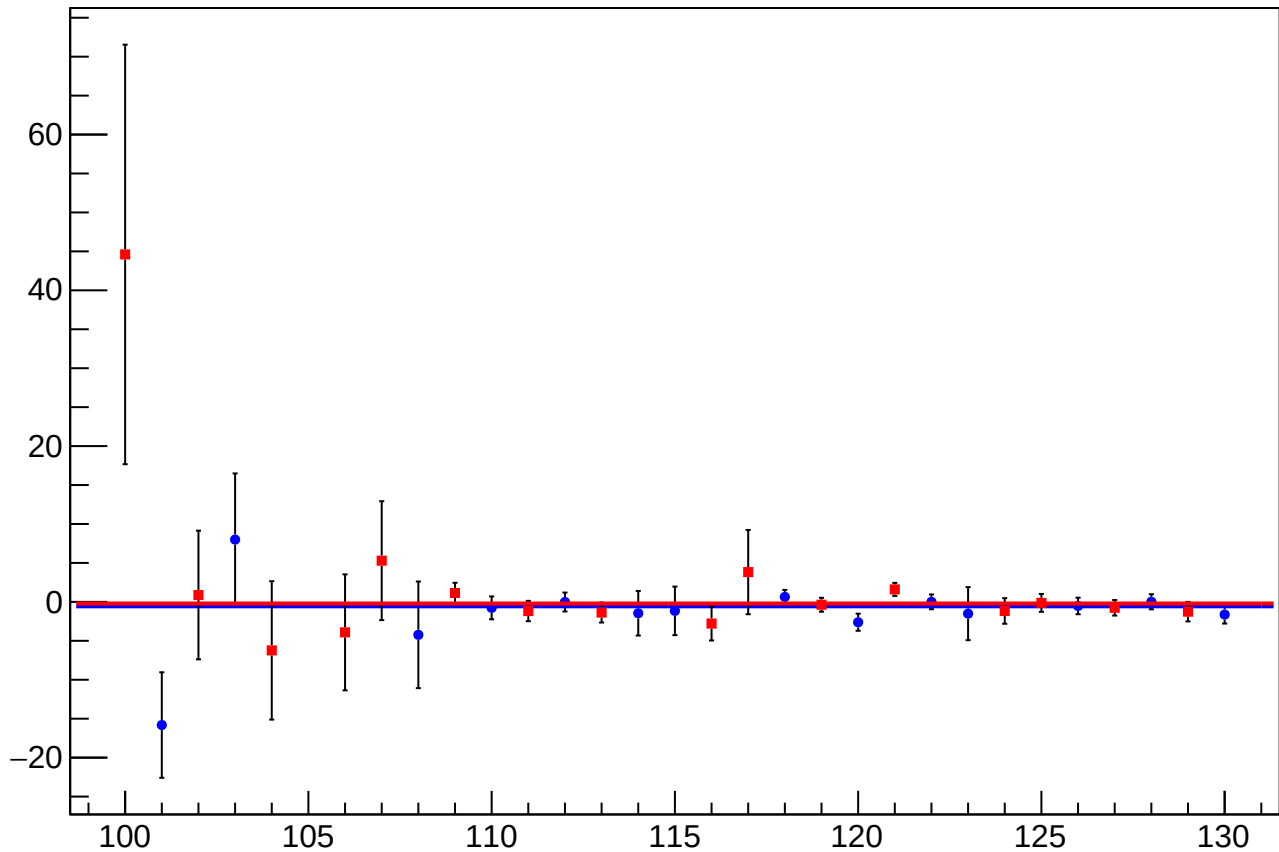
1361.091 $\pm$ 0.442 χ^2 /NDF: 999809.7/13

Right Out: 1375.516 $\pm$ 0.434 χ^2 /NDF: 1141417.1/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

1375.516 $\pm$ 0.434 χ^2 /NDF: 1141417.1/15

diff_cav4cY_mean vs Slug



Right In: -0.570+/-0.368 χ^2 /NDF: 13.6/13

Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

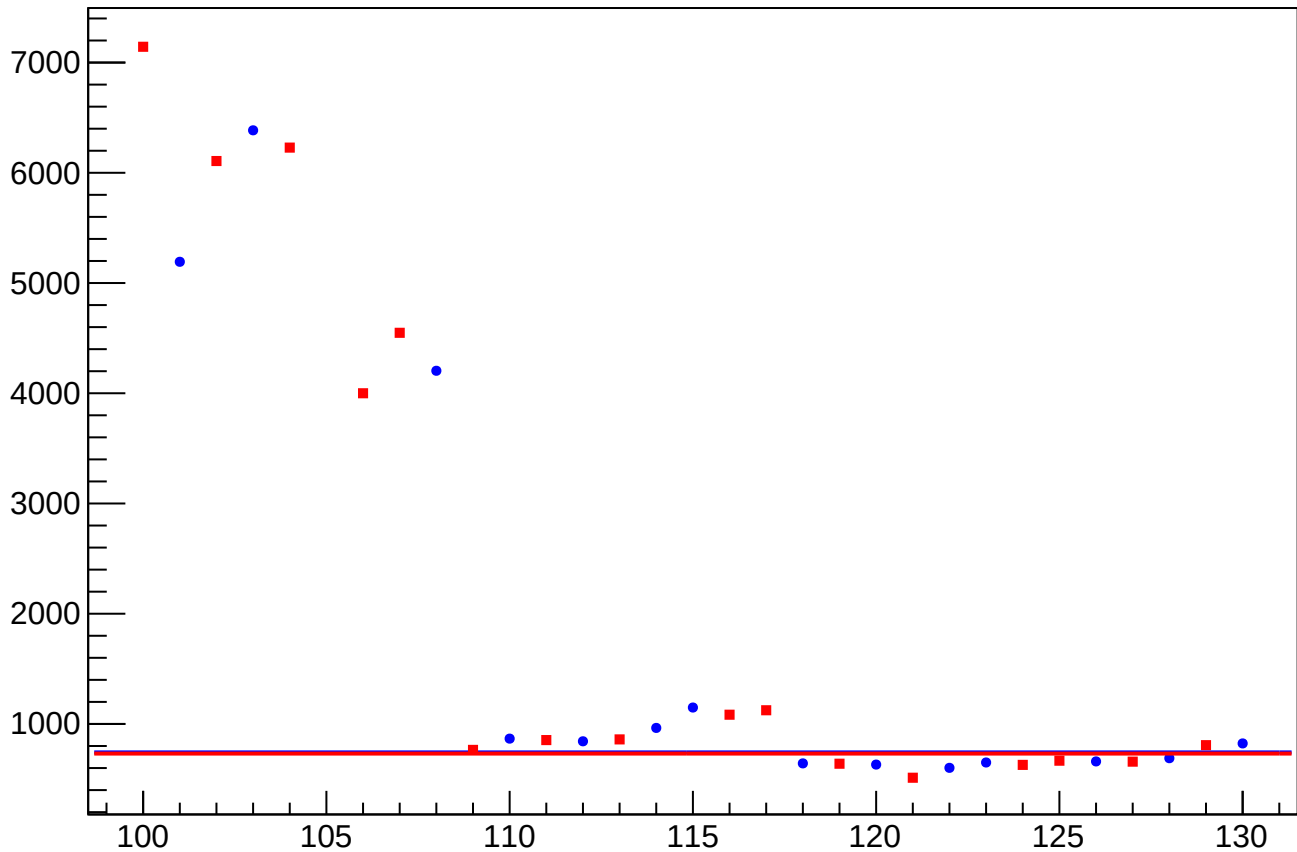
Right Out: -0.211+/-0.364 χ^2 /NDF: 14.5/15

Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

-0.570+/-0.368 χ^2 /NDF: 13.6/13

-0.211+/-0.364 χ^2 /NDF: 14.5/15

diff_cav4cY_rms vs Slug



Right In: 741.985+/-0.260 χ^2/NDF : 2449567.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

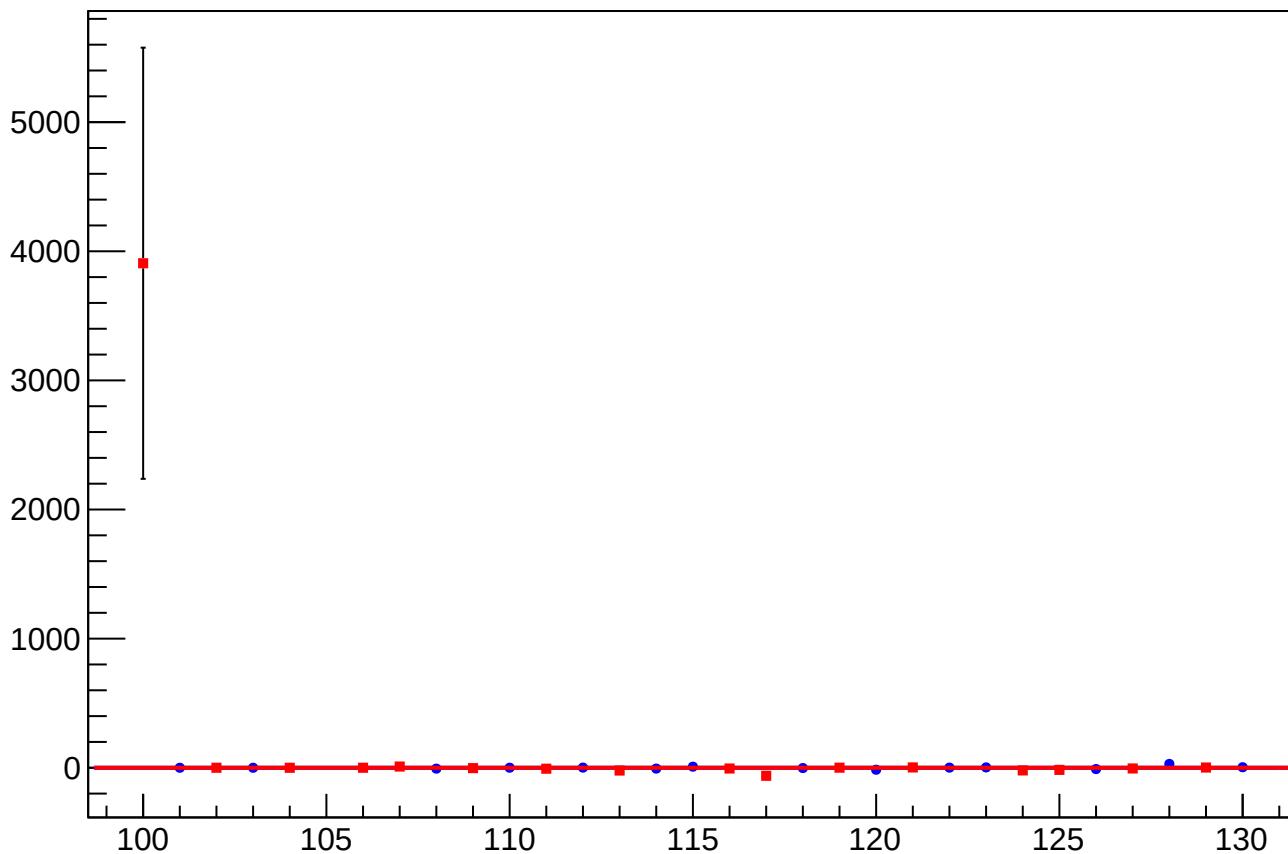
741.985+/-0.260 χ^2/NDF : 2449567.2/13

Right Out: 731.278+/-0.257 χ^2/NDF : 2903395.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

731.278+/-0.257 χ^2/NDF : 2903395.5/15

diff_cav4dX_mean vs Slug



Right In: -0.021+/-0.021 χ^2/NDF : 8.6/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

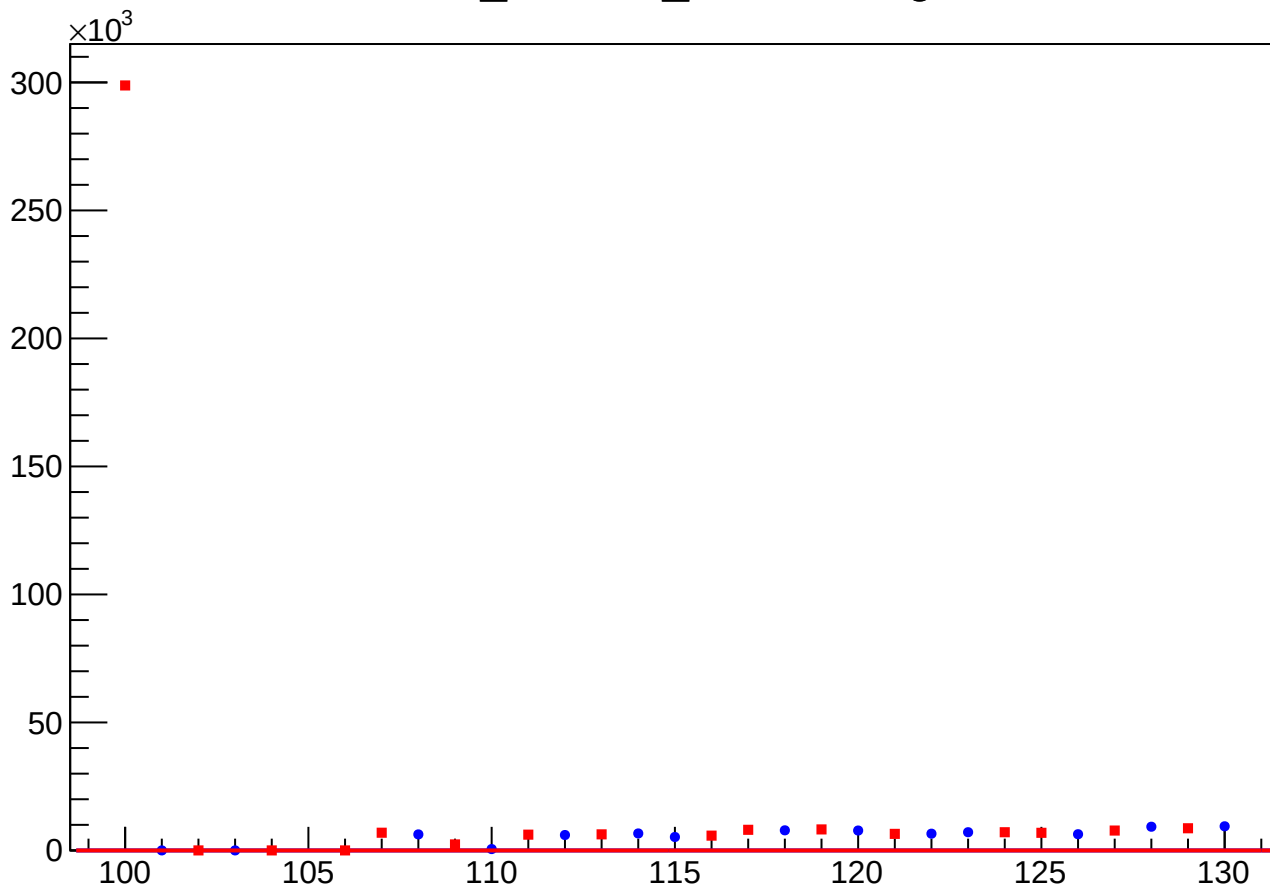
Right Out: -0.027+/-0.020 χ^2/NDF : 19.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-0.021+/-0.021 χ^2/NDF : 8.6/13

-0.027+/-0.020 χ^2/NDF : 19.4/15

diff_cav4dX_rms vs Slug



Right In: 17.226 $\pm$ 0.015 χ^2 /NDF: 7696889.7/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

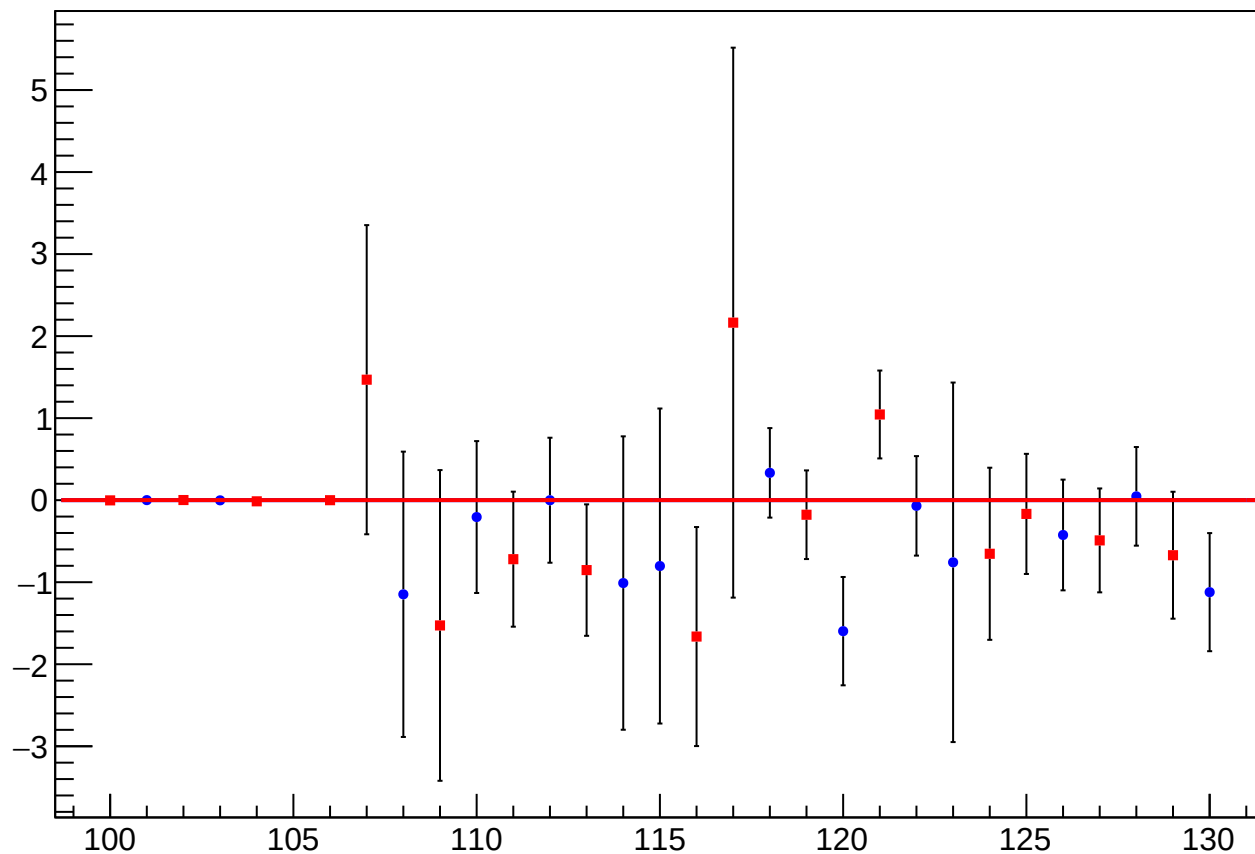
Right Out: 17.179 $\pm$ 0.014 χ^2 /NDF: 7946731.4/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

17.226 $\pm$ 0.015 χ^2 /NDF: 7696889.7/13

17.179 $\pm$ 0.014 χ^2 /NDF: 7946731.4/15

diff_cav4dY_mean vs Slug



Right In: 0.000+/-0.002 χ^2/NDF : 10.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

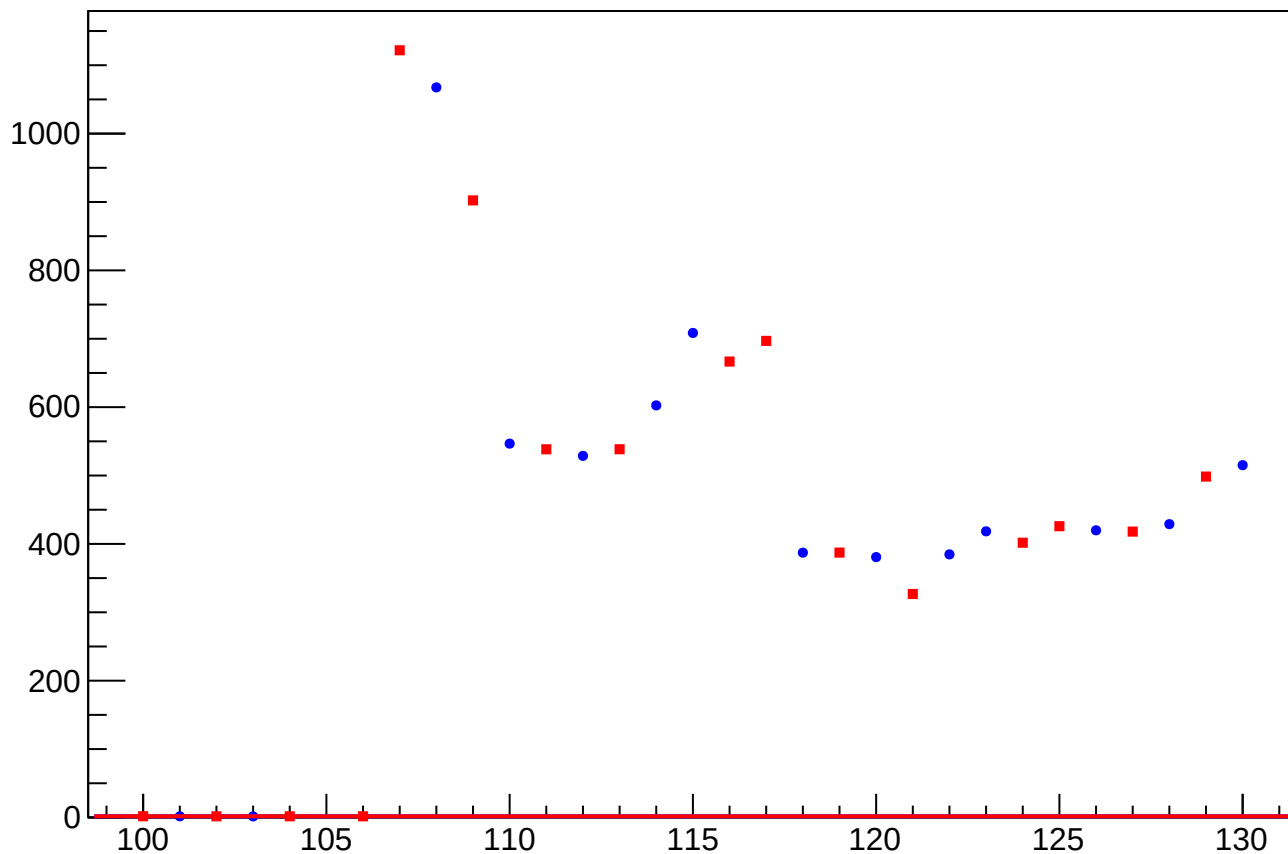
Right Out: 0.001+/-0.002 χ^2/NDF : 11.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.002 χ^2/NDF : 10.3/13

0.001+/-0.002 χ^2/NDF : 11.8/15

diff_cav4dY_rms vs Slug



Right In: 1.680+/-0.001 χ^2/NDF : 8221712.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

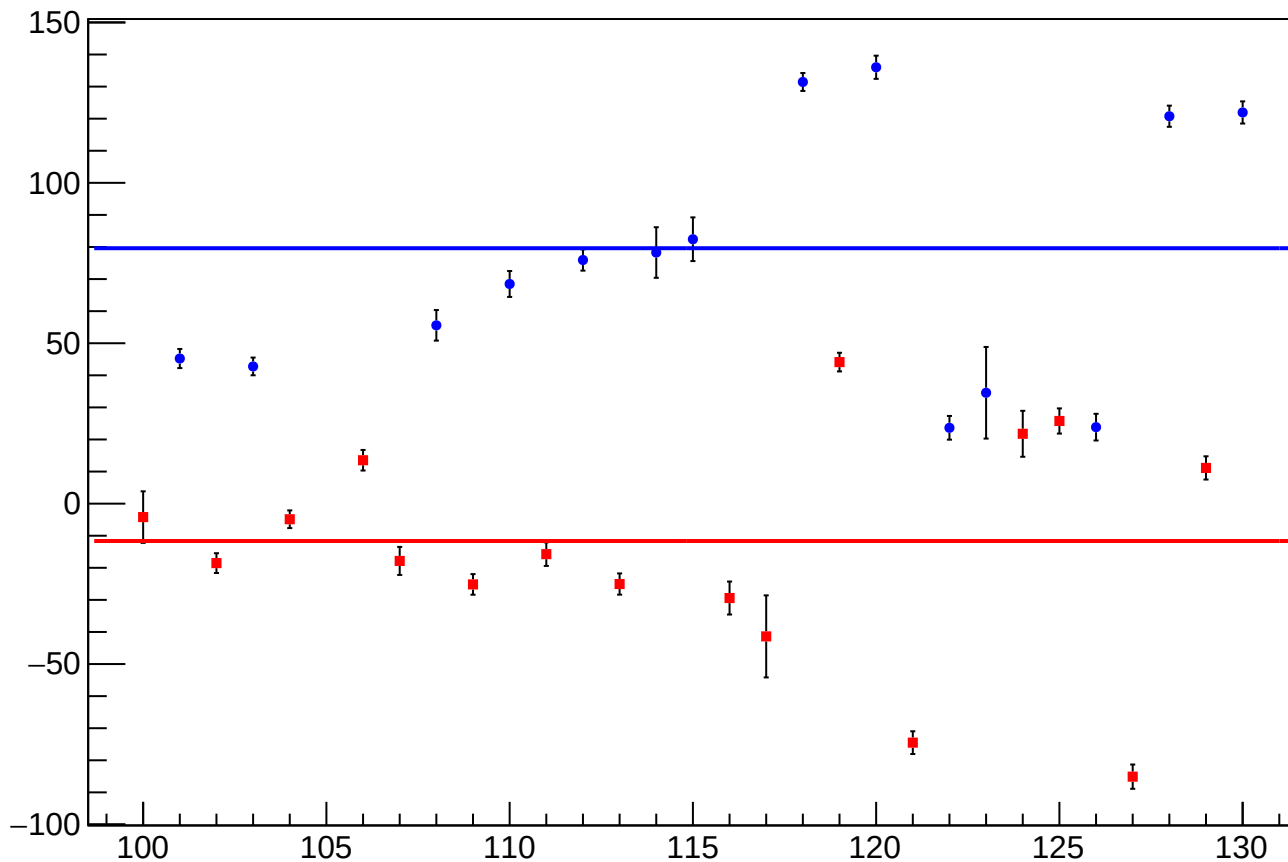
Right Out: 1.710+/-0.001 χ^2/NDF : 7894402.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1.680+/-0.001 χ^2/NDF : 8221712.2/13

1.710+/-0.001 χ^2/NDF : 7894402.6/15

diff_bpm0i01X_mean vs Slug



Right In: 79.619+/-1.003 χ^2/NDF : 1659.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

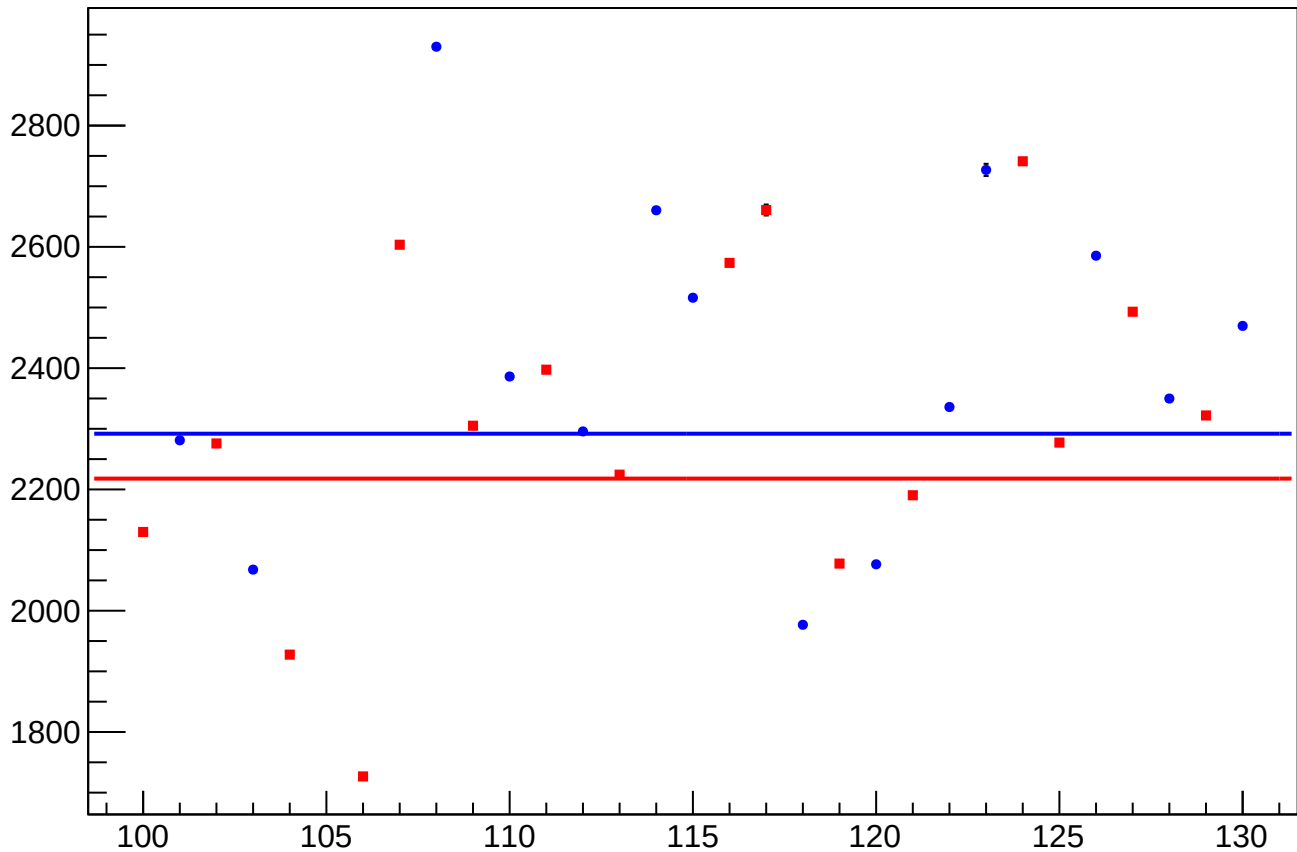
Right Out: -11.646+/-0.938 χ^2/NDF : 1339.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

79.619+/-1.003 χ^2/NDF : 1659.7/13

-11.646+/-0.938 χ^2/NDF : 1339.7/15

diff_bpm0i01X_rms vs Slug



Right In: 2291.895+/-0.709 χ^2/NDF : 107339.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

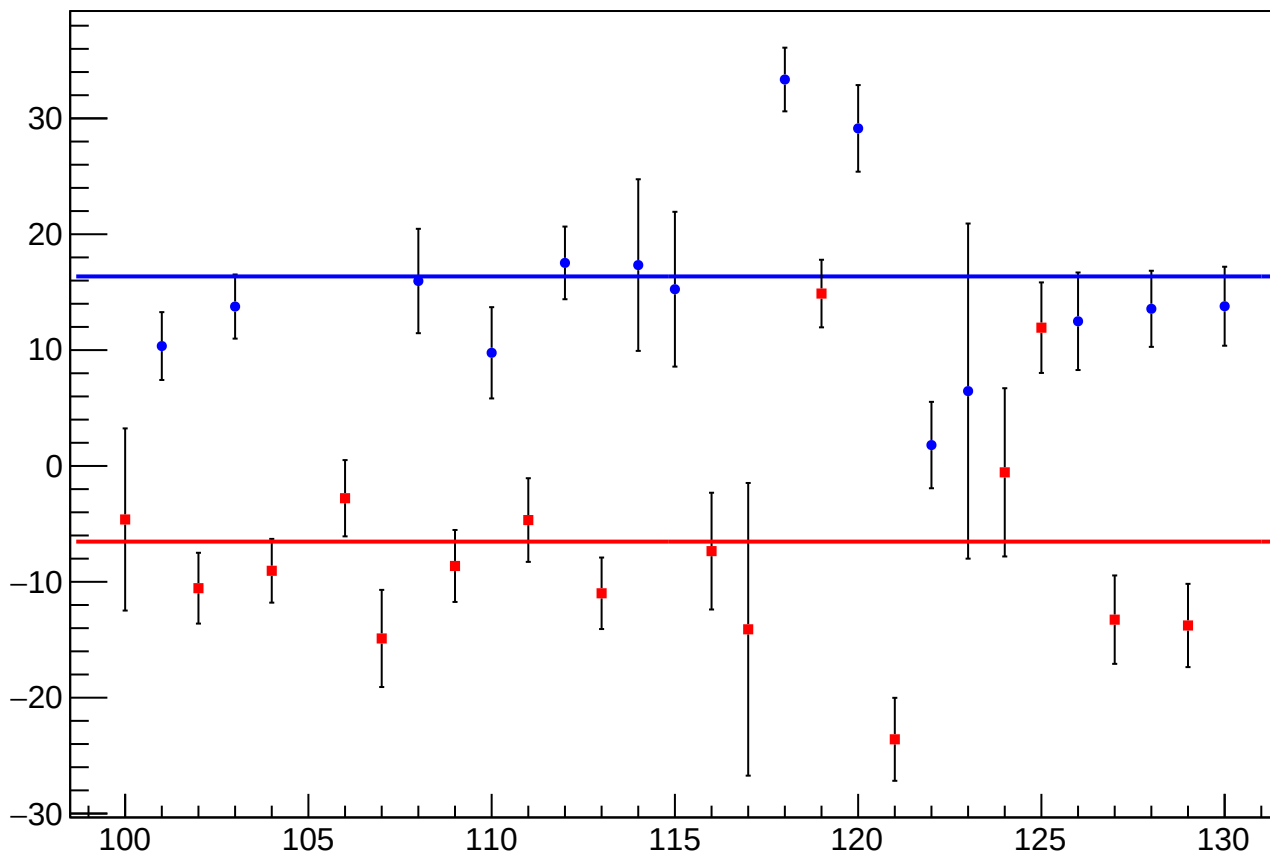
2291.895+/-0.709 χ^2/NDF : 107339.2/13

Right Out: 2217.871+/-0.663 χ^2/NDF : 131944.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

2217.871+/-0.663 χ^2/NDF : 131944.8/15

diff_bpm0i01Y_mean vs Slug



Right In: 16.359 $\pm$ 0.991 χ^2 /NDF: 75.9/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

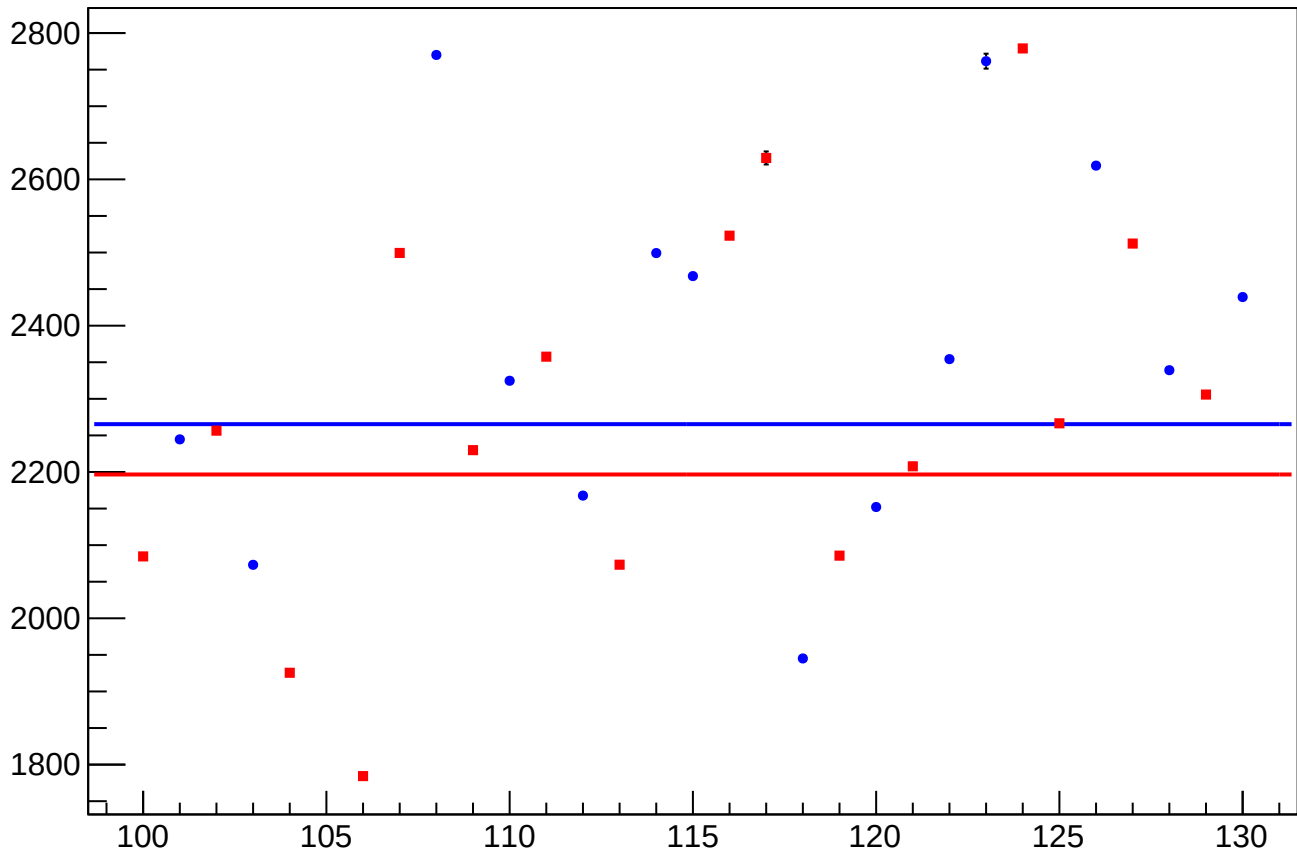
Right Out: -6.530 $\pm$ 0.928 χ^2 /NDF: 117.9/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

16.359 $\pm$ 0.991 χ^2 /NDF: 75.9/13

-6.530 $\pm$ 0.928 χ^2 /NDF: 117.9/15

diff_bpm0i01Y_rms vs Slug



Right In: 2265.389 $\pm$ 0.700 χ^2 /NDF: 93891.3/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

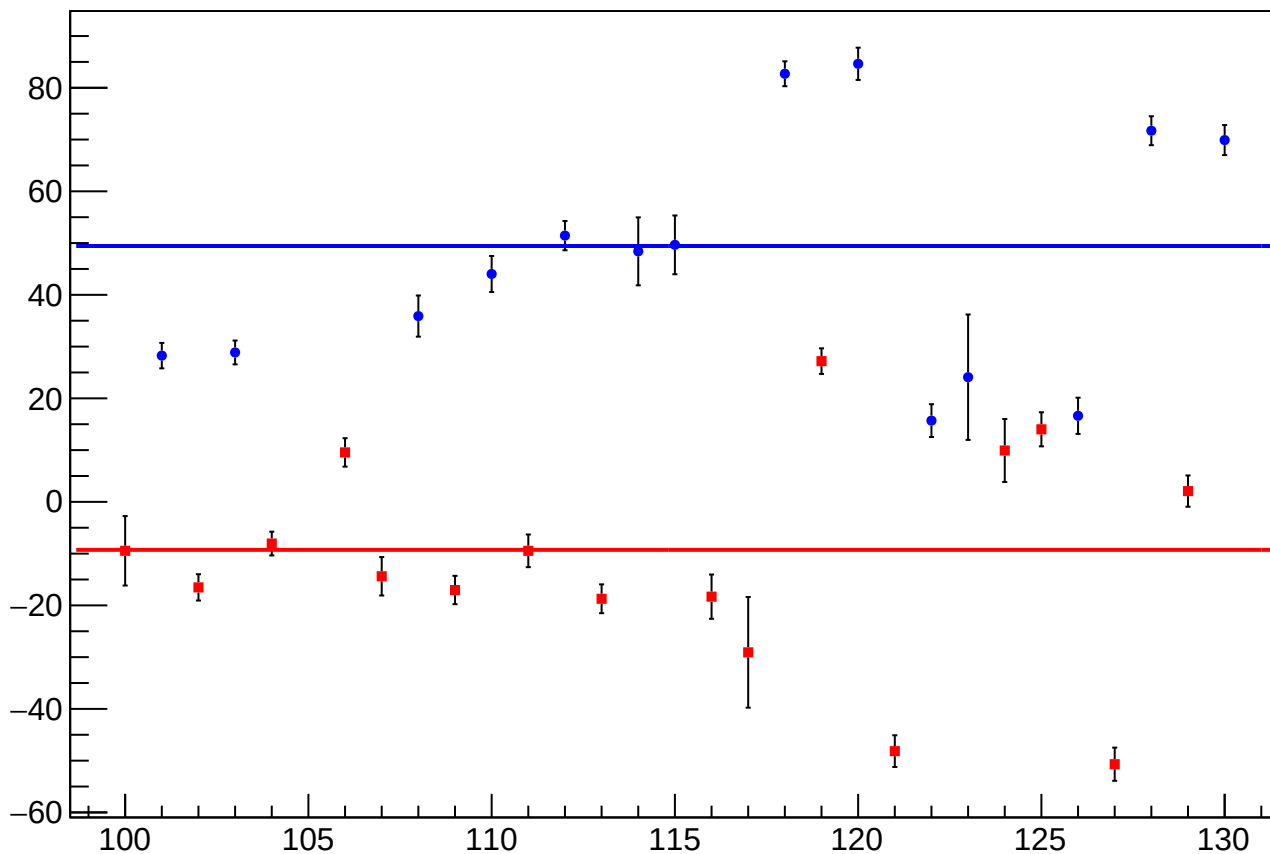
Right Out: 2196.592 $\pm$ 0.656 χ^2 /NDF: 112509.4/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

2265.389 $\pm$ 0.700 χ^2 /NDF: 93891.3/13

2196.592 $\pm$ 0.656 χ^2 /NDF: 112509.4/15

diff_bpm0i01aX_mean vs Slug



Right In: 49.436 $\pm$ 0.848 χ^2 /NDF: 806.6/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

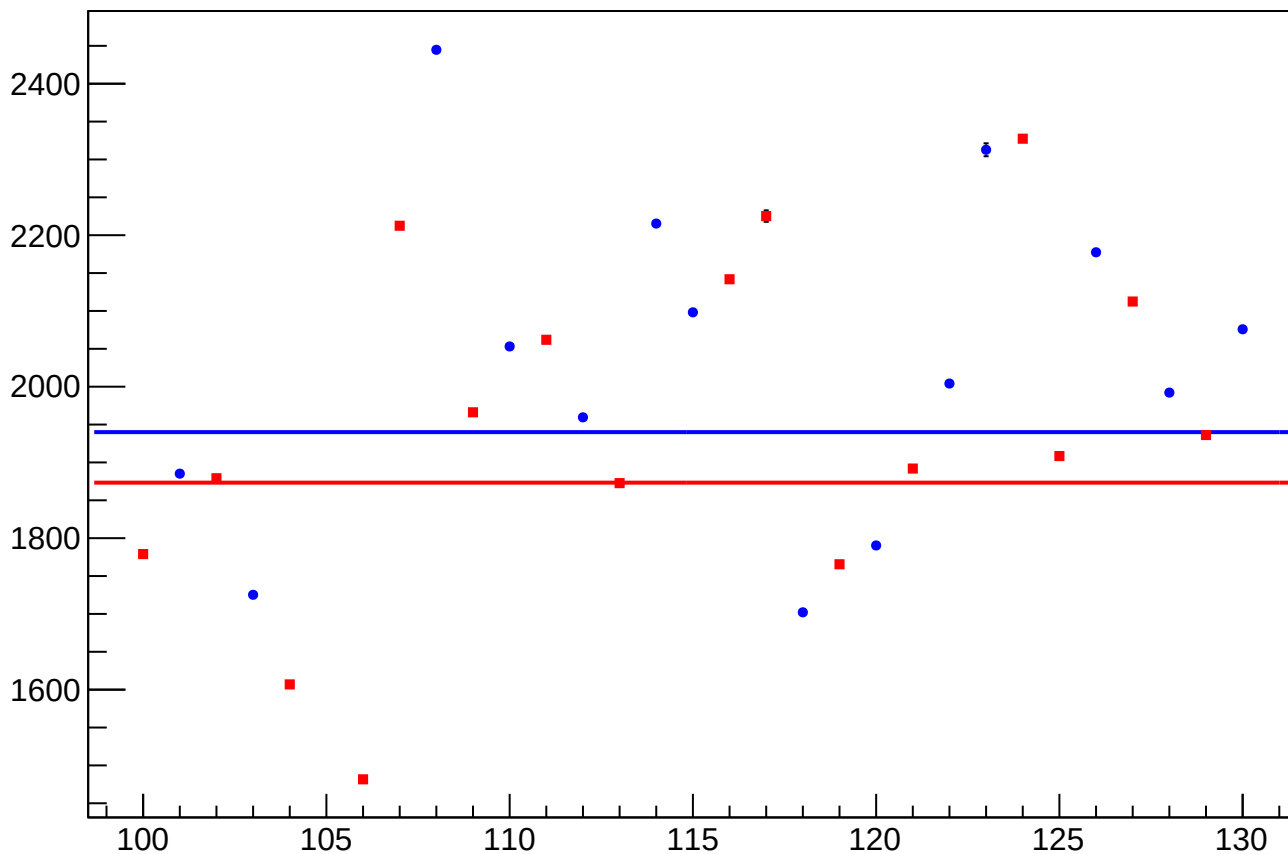
Right Out: -9.269 $\pm$ 0.792 χ^2 /NDF: 704.3/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

49.436 $\pm$ 0.848 χ^2 /NDF: 806.6/13

-9.269 $\pm$ 0.792 χ^2 /NDF: 704.3/15

diff_bpm0i01aX_rms vs Slug



Right In: 1939.998 $\pm$ 0.600 χ^2 /NDF: 99108.7/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

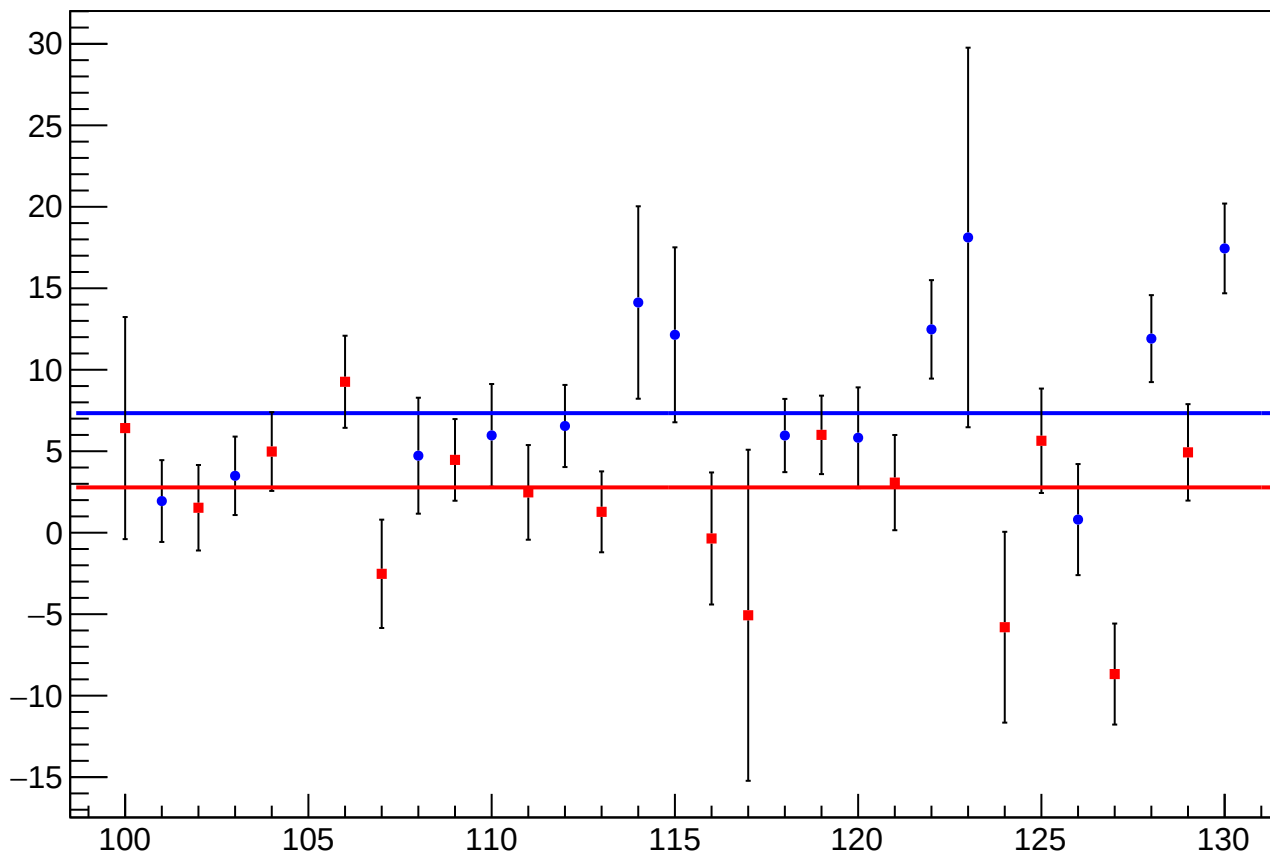
Right Out: 1873.310 $\pm$ 0.560 χ^2 /NDF: 131390.1/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

1939.998 $\pm$ 0.600 χ^2 /NDF: 99108.7/13

1873.310 $\pm$ 0.560 χ^2 /NDF: 131390.1/15

diff_bpm0i01aY_mean vs Slug



Right In: 7.337+/-0.814 χ^2/NDF : 34.6/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

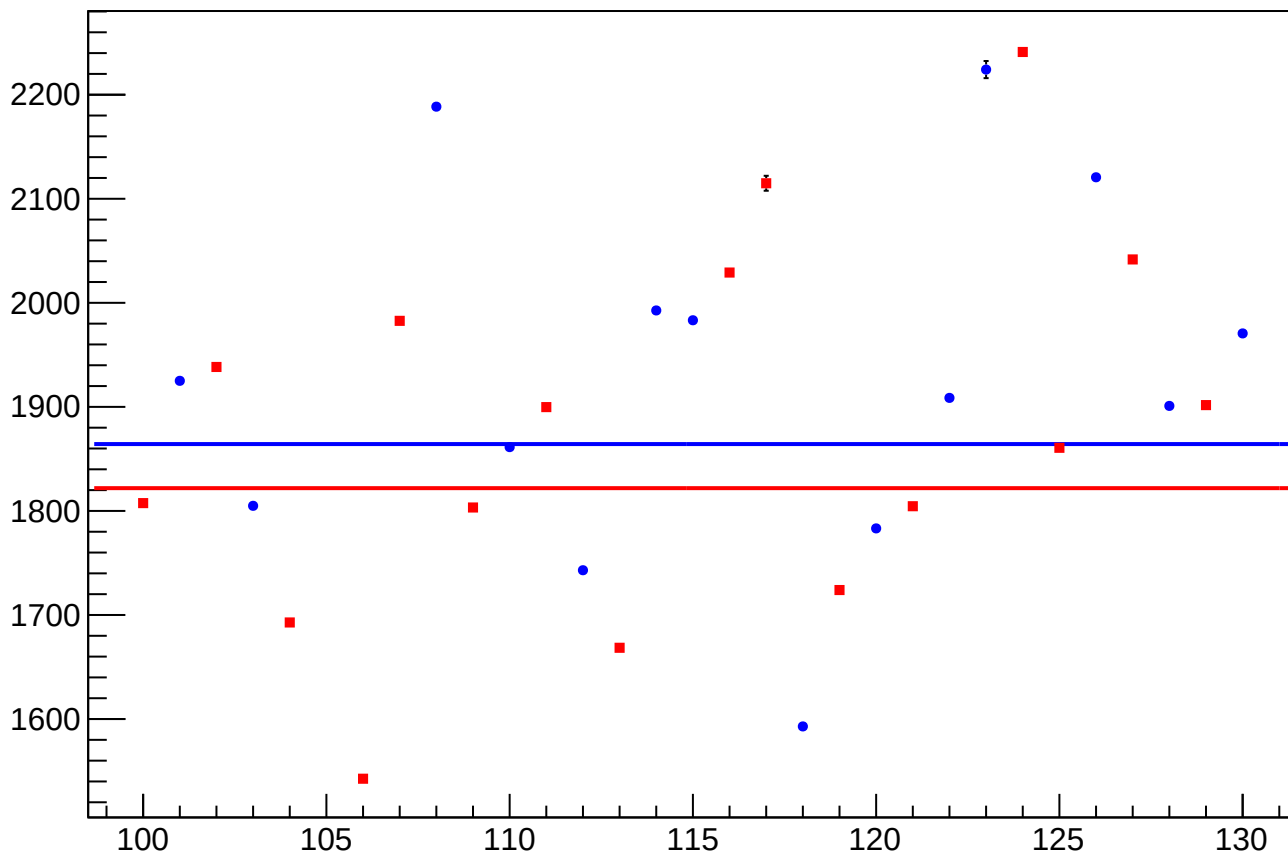
Right Out: 2.780+/-0.767 χ^2/NDF : 30.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

7.337+/-0.814 χ^2/NDF : 34.6/13

2.780+/-0.767 χ^2/NDF : 30.1/15

diff_bpm0i01aY_rms vs Slug



Right In: 1864.255 $\pm$ 0.576 χ^2 /NDF: 73109.9/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

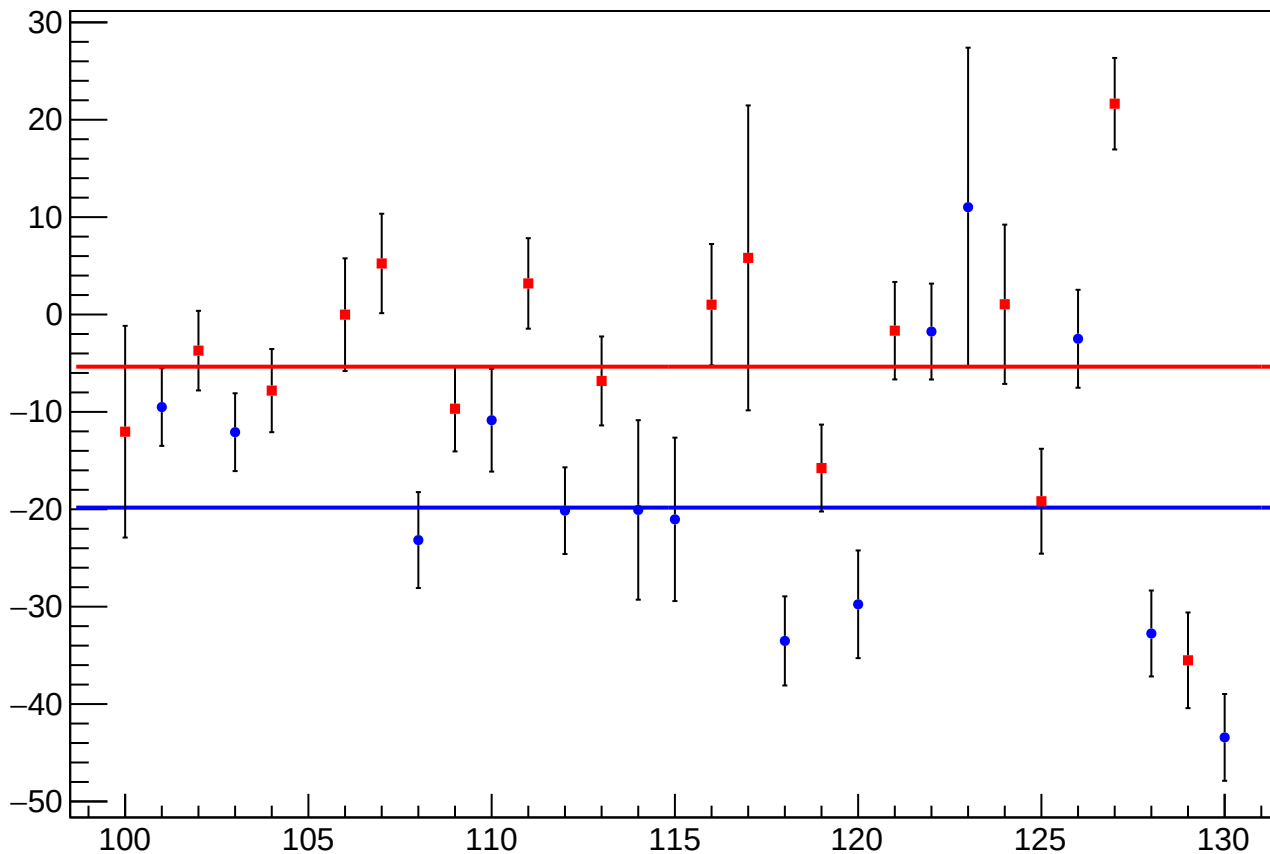
Right Out: 1821.887 $\pm$ 0.543 χ^2 /NDF: 75371.0/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

1864.255 $\pm$ 0.576 χ^2 /NDF: 73109.9/13

1821.887 $\pm$ 0.543 χ^2 /NDF: 75371.0/15

diff_bpm0l01X_mean vs Slug



Right In: -19.827 $\pm$ 1.353 χ^2 /NDF: 91.6/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

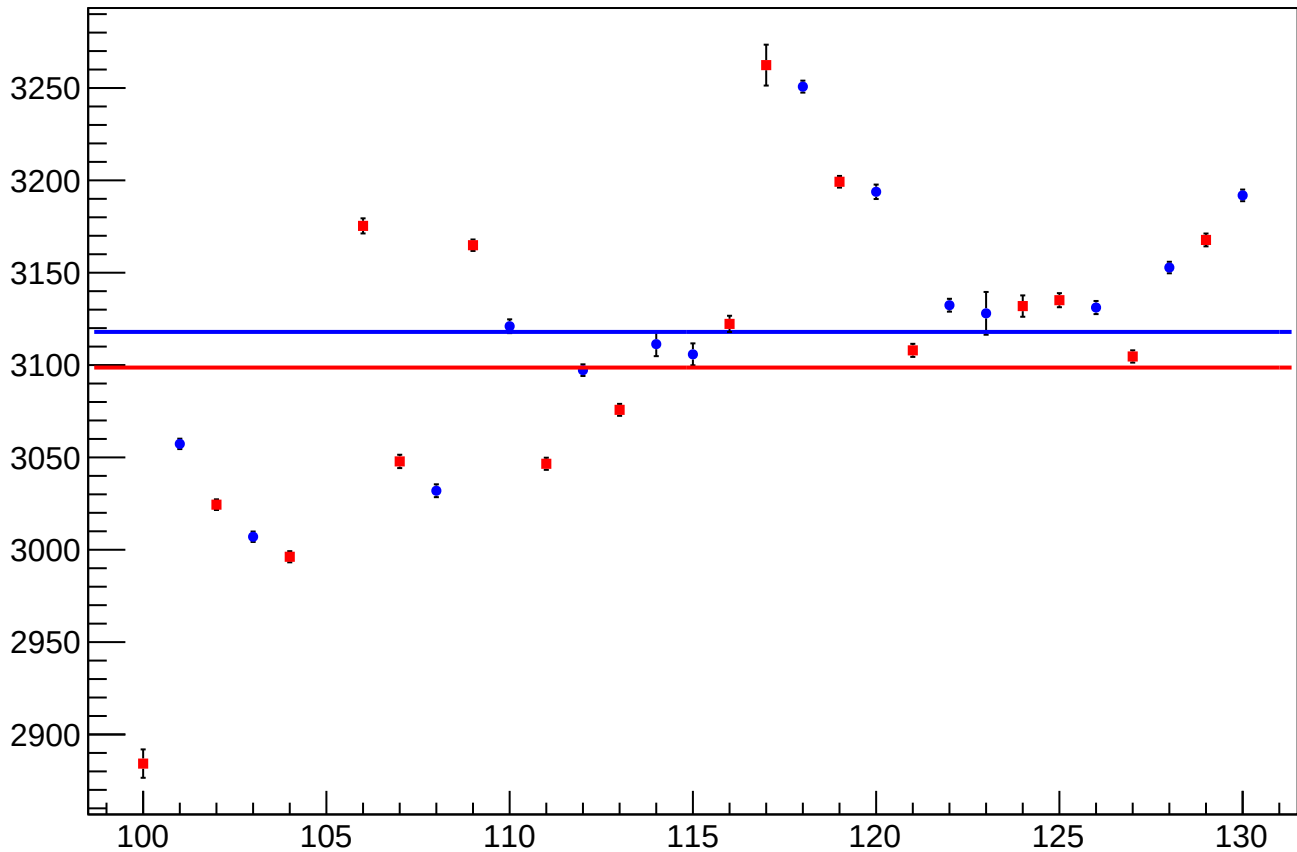
Right Out: -5.355 $\pm$ 1.298 χ^2 /NDF: 95.9/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

-19.827 $\pm$ 1.353 χ^2 /NDF: 91.6/13

-5.355 $\pm$ 1.298 χ^2 /NDF: 95.9/15

diff_bpm0l01X_rms vs Slug



Right In: 3117.945 $\pm$ 0.957 χ^2 /NDF: 5429.3/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

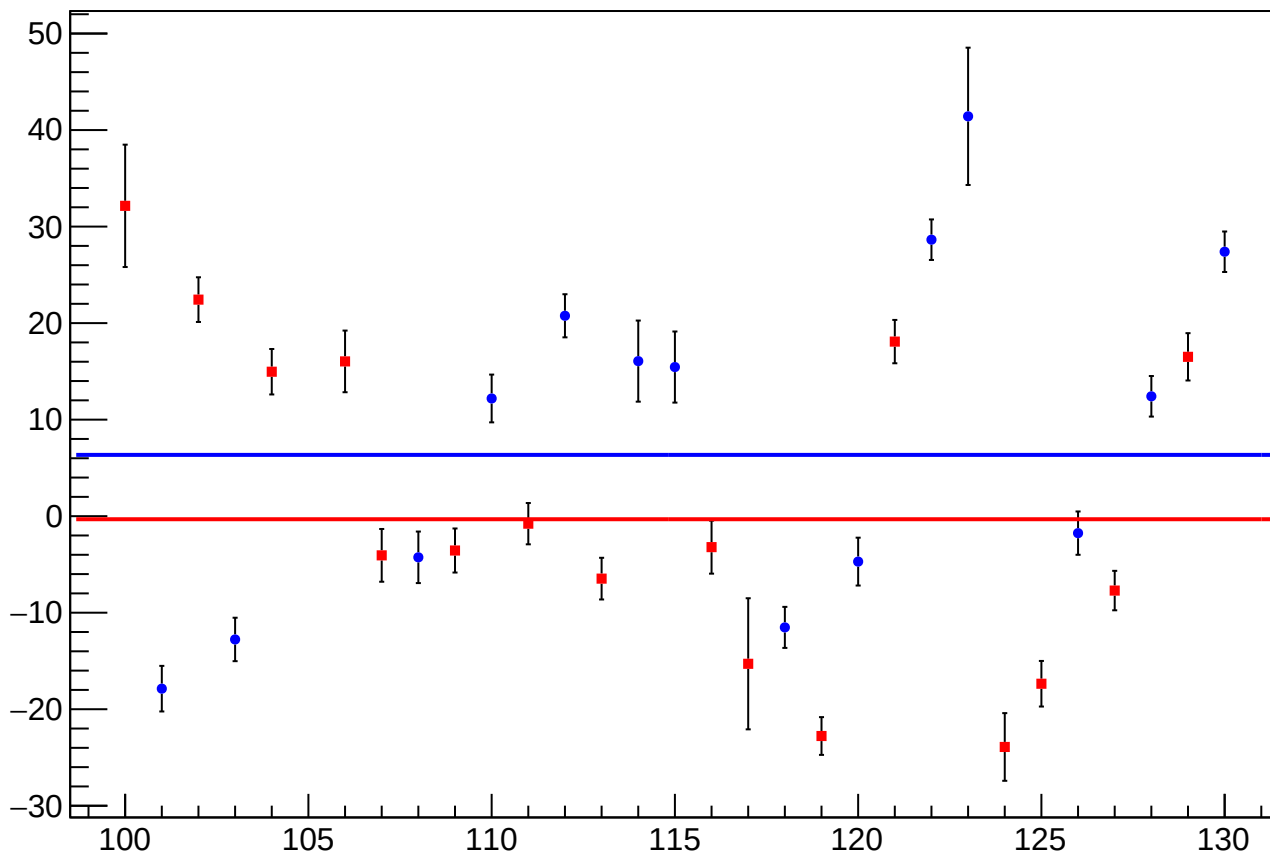
Right Out: 3098.649 $\pm$ 0.918 χ^2 /NDF: 5693.0/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

3117.945 $\pm$ 0.957 χ^2 /NDF: 5429.3/13

3098.649 $\pm$ 0.918 χ^2 /NDF: 5693.0/15

diff_bpm0l01Y_mean vs Slug



Right In: 6.349+/-0.660 χ^2/NDF : 601.5/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

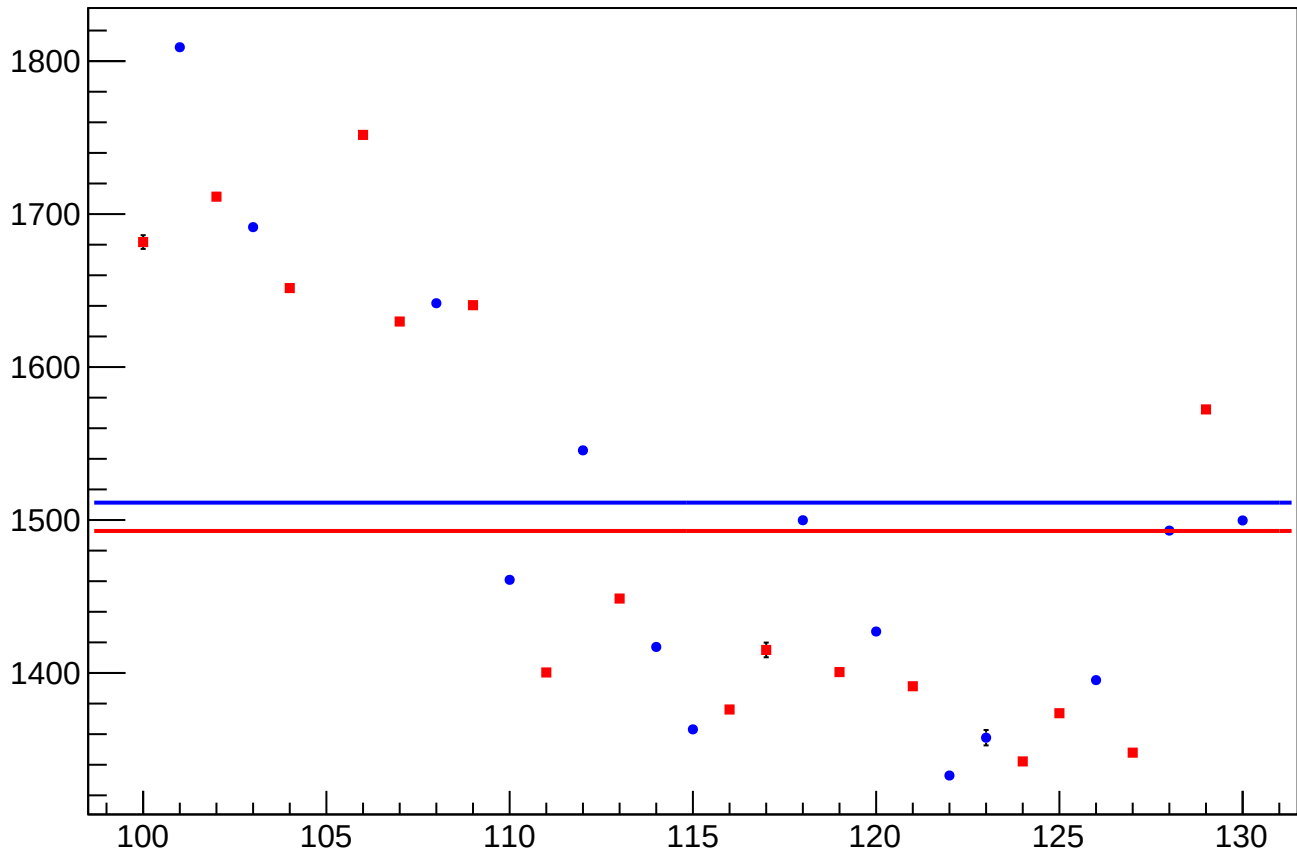
Right Out: -0.317+/-0.629 χ^2/NDF : 565.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

6.349+/-0.660 χ^2/NDF : 601.5/13

-0.317+/-0.629 χ^2/NDF : 565.7/15

diff_bpm0l01Y_rms vs Slug



Right In: 1511.362 $\pm$ 0.467 χ^2 /NDF: 78219.5/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

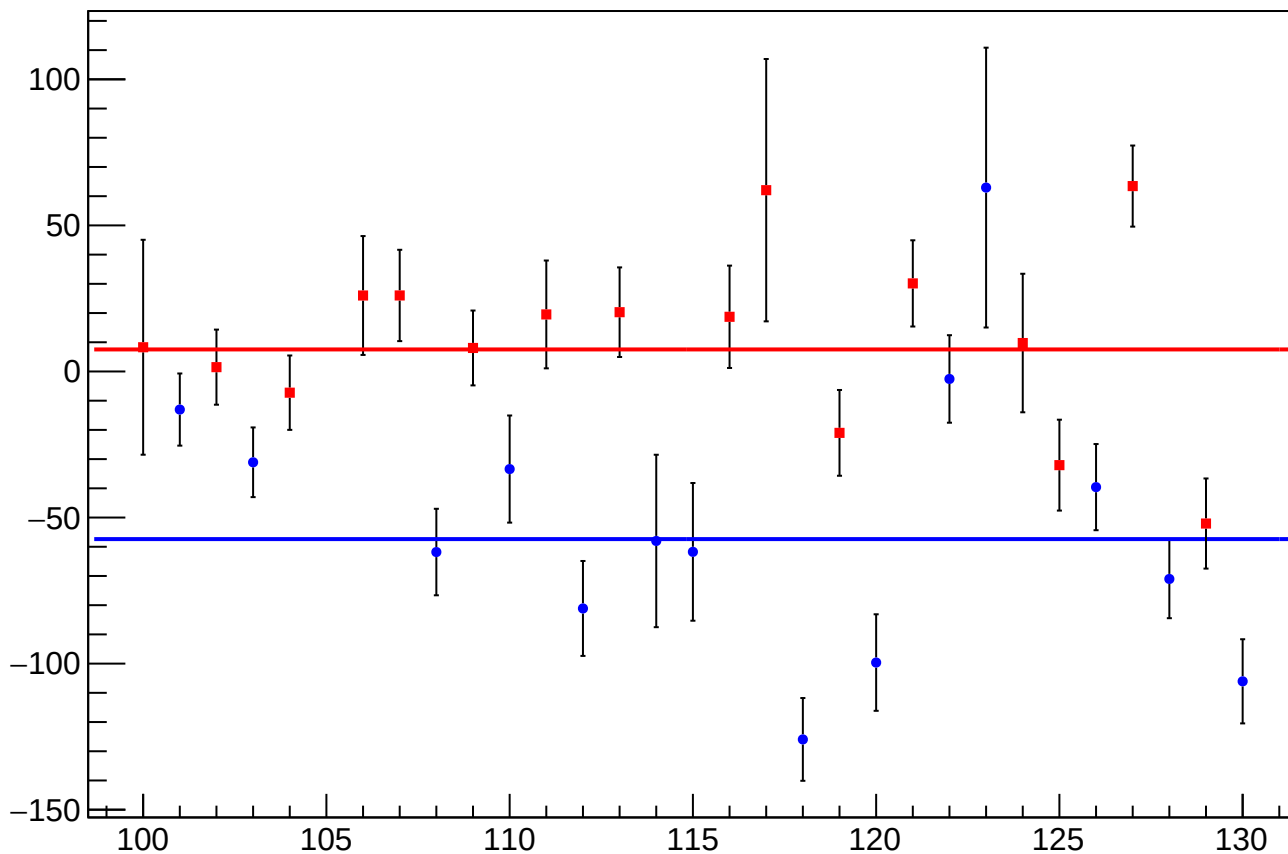
Right Out: 1492.846 $\pm$ 0.445 χ^2 /NDF: 93171.8/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

1511.362 $\pm$ 0.467 χ^2 /NDF: 78219.5/13

1492.846 $\pm$ 0.445 χ^2 /NDF: 93171.8/15

diff_bpm0l02X_mean vs Slug



Right In: -57.377 $\pm$ 4.212 χ^2 /NDF: 85.3/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

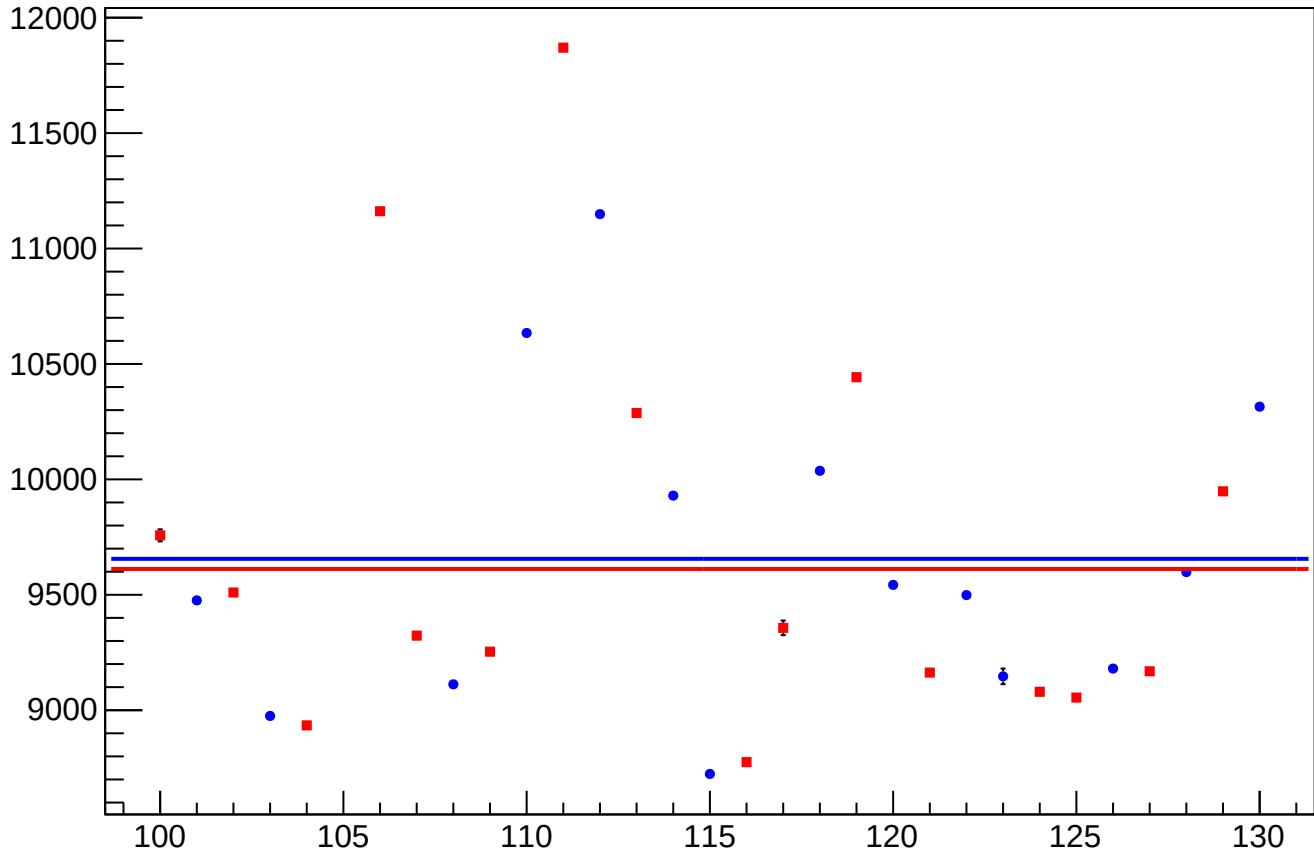
Right Out: 7.542 $\pm$ 4.047 χ^2 /NDF: 50.6/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

-57.377 $\pm$ 4.212 χ^2 /NDF: 85.3/13

7.542 $\pm$ 4.047 χ^2 /NDF: 50.6/15

diff_bpm0l02X_rms vs Slug



Right In: 9655.797 $\pm$ 2.978 χ^2 /NDF: 43810.8/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

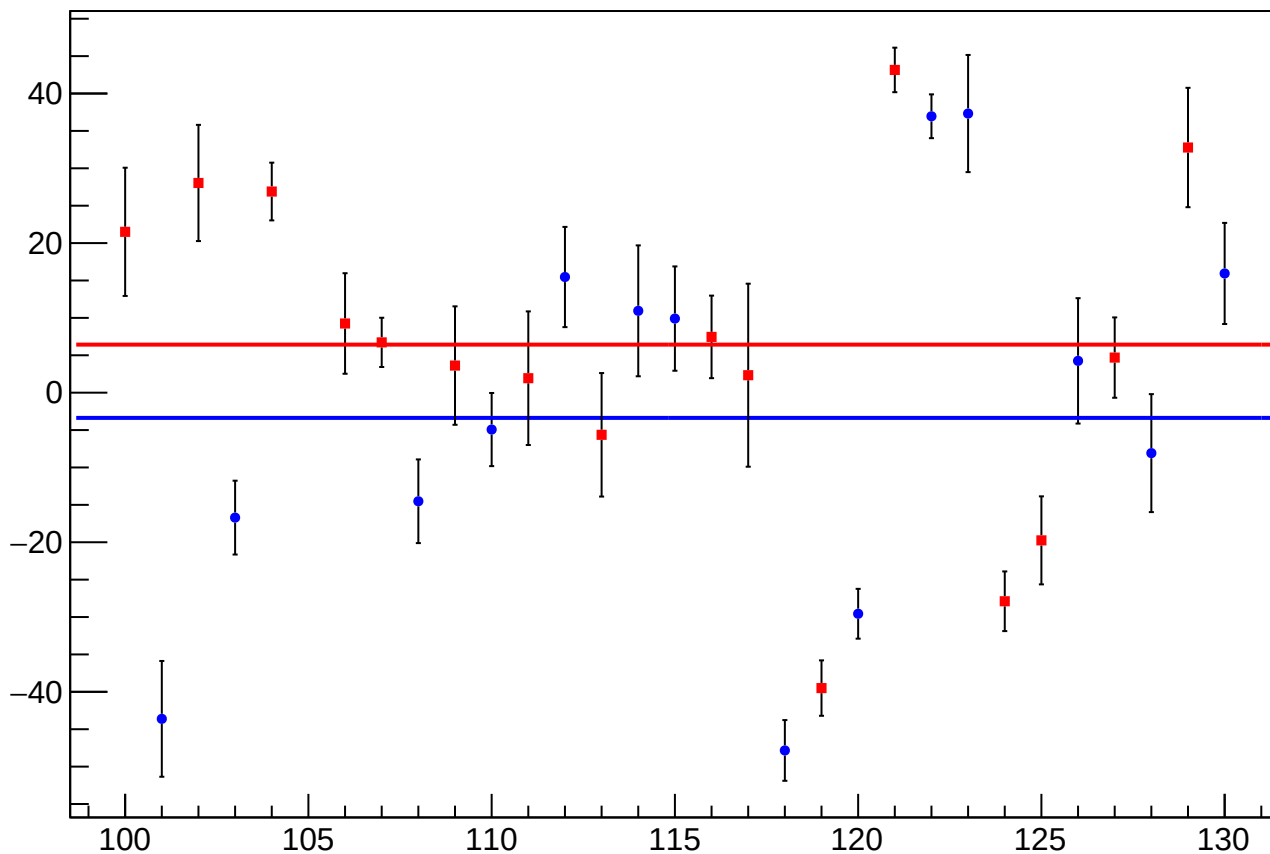
Right Out: 9611.878 $\pm$ 2.862 χ^2 /NDF: 72946.5/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

9655.797 $\pm$ 2.978 χ^2 /NDF: 43810.8/13

9611.878 $\pm$ 2.862 χ^2 /NDF: 72946.5/15

diff_bpm0l02Y_mean vs Slug



Right In: -3.372 ± 1.382 $\chi^2/\text{NDF}: 460.4/13$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

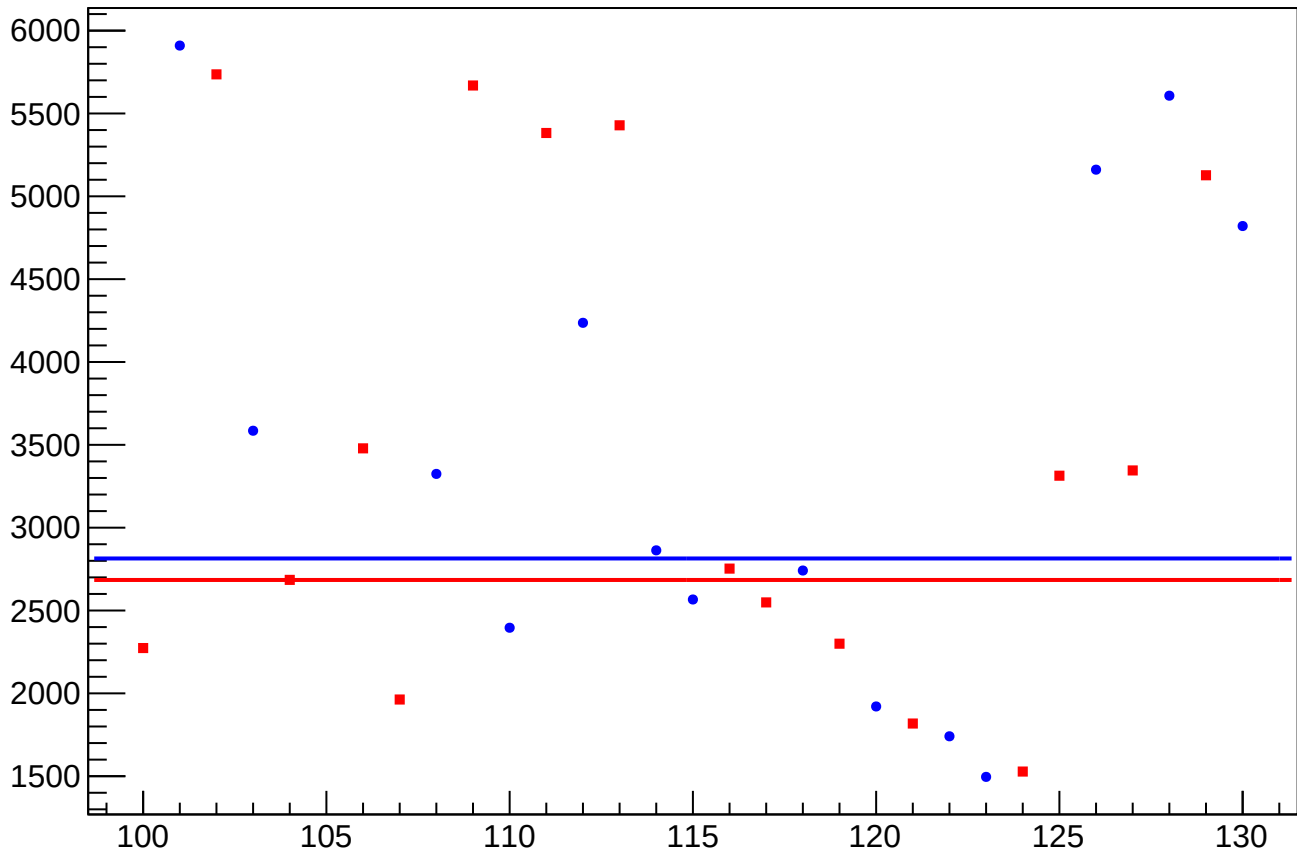
Right Out: 6.425 ± 1.268 $\chi^2/\text{NDF}: 452.4/15$

Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

-3.372 ± 1.382 $\chi^2/\text{NDF}: 460.4/13$

6.425 ± 1.268 $\chi^2/\text{NDF}: 452.4/15$

diff_bpm0l02Y_rms vs Slug



Right In: 2814.125+/-0.978 χ^2/NDF : 1546196.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

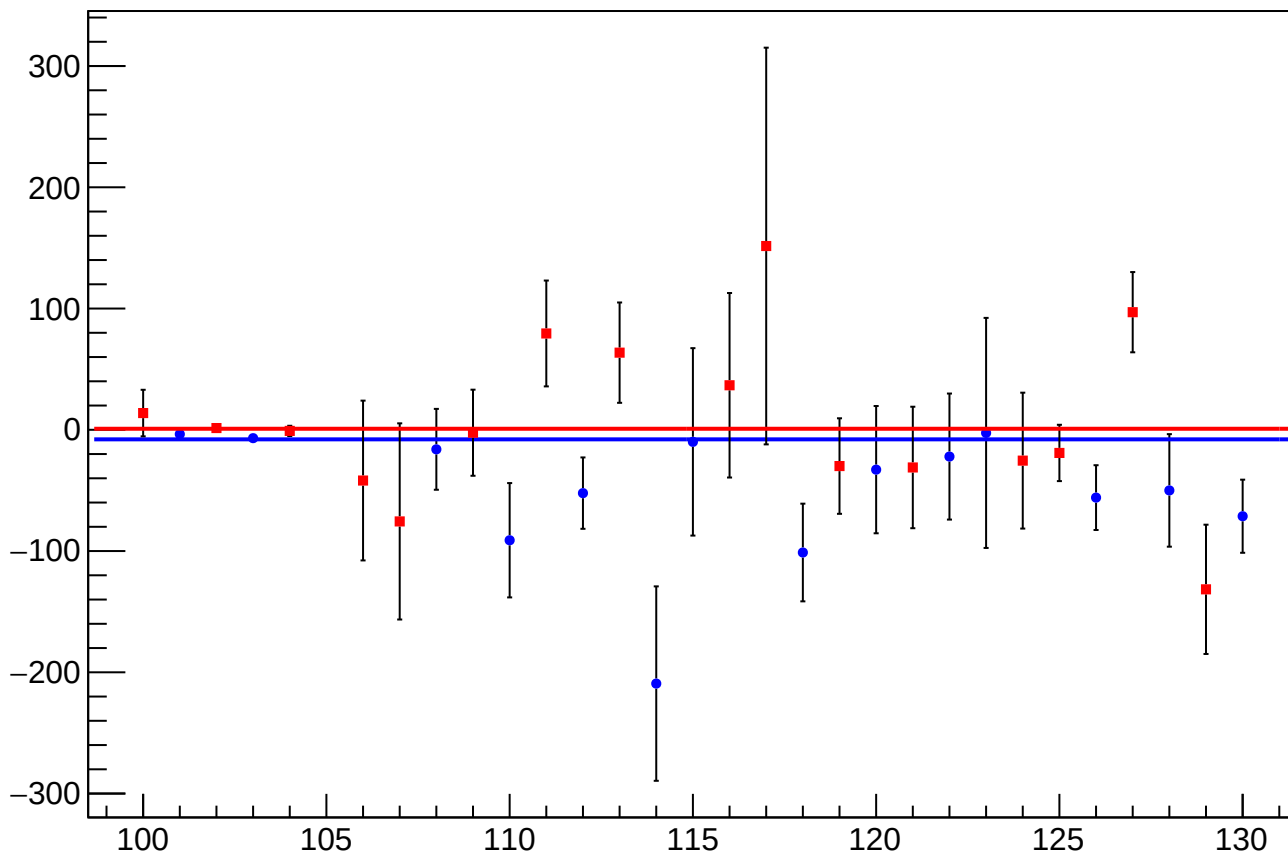
2814.125+/-0.978 χ^2/NDF : 1546196.1/13

Right Out: 2684.386+/-0.897 χ^2/NDF : 1724591.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

2684.386+/-0.897 χ^2/NDF : 1724591.2/15

diff_bpm0l03X_mean vs Slug



Right In: -7.882+/-2.645 χ^2/NDF : 27.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

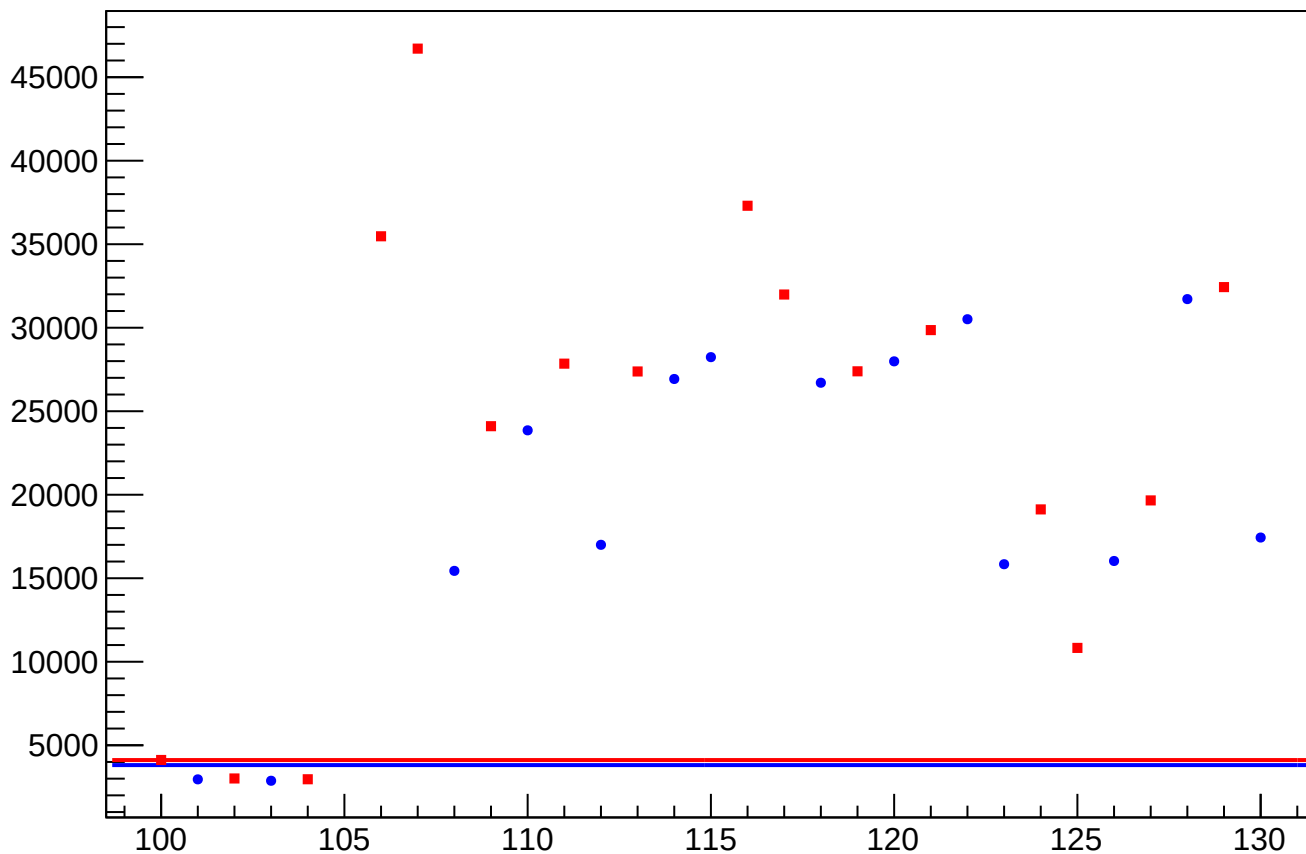
Right Out: 0.852+/-2.835 χ^2/NDF : 25.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-7.882+/-2.645 χ^2/NDF : 27.2/13

0.852+/-2.835 χ^2/NDF : 25.2/15

diff_bpm0l03X_rms vs Slug



Right In: 3811.877+/-1.870 χ^2/NDF : 4771069.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

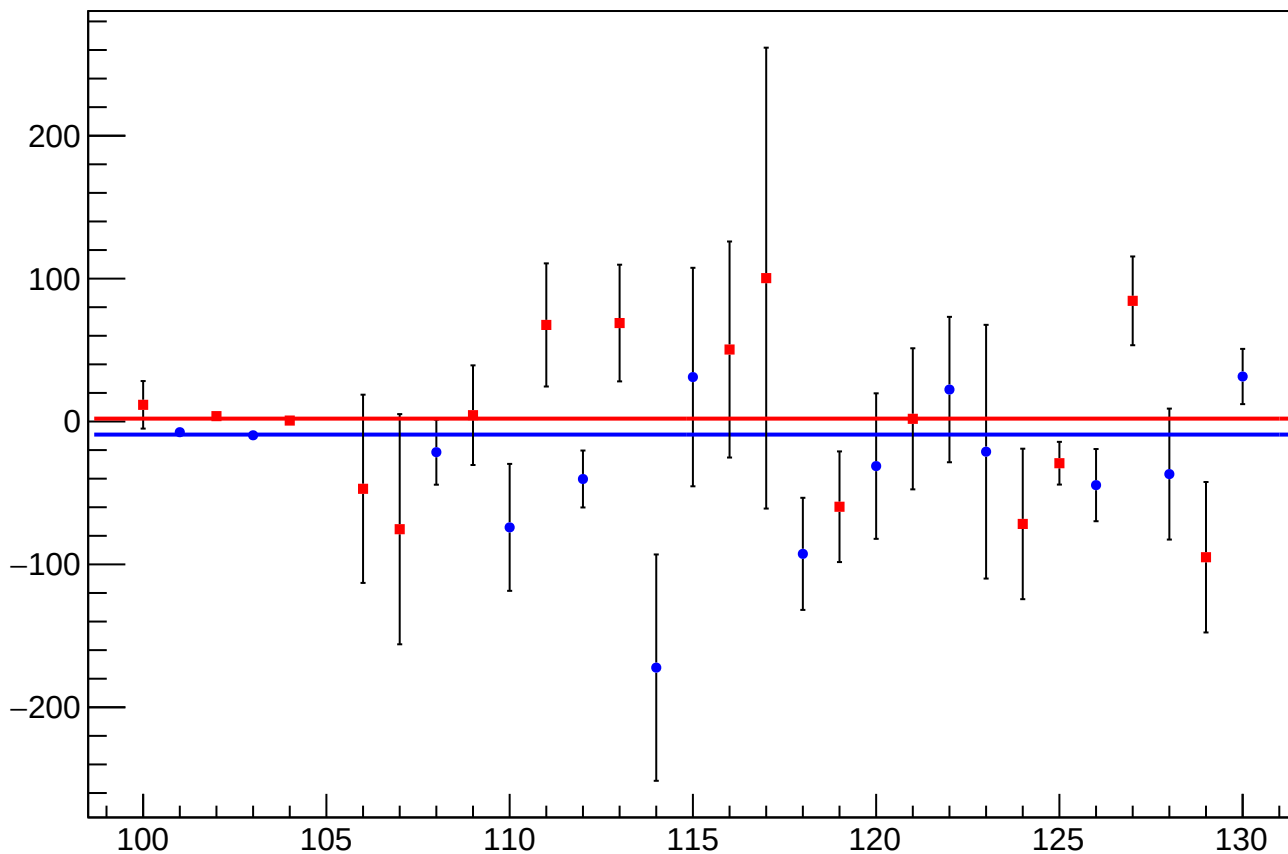
Right Out: 4113.403+/-2.005 χ^2/NDF : 6137858.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

3811.877+/-1.870 χ^2/NDF : 4771069.2/13

4113.403+/-2.005 χ^2/NDF : 6137858.2/15

diff_bpm0l03Y_mean vs Slug



Right In: -9.151+/-1.821 χ^2/NDF : 21.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

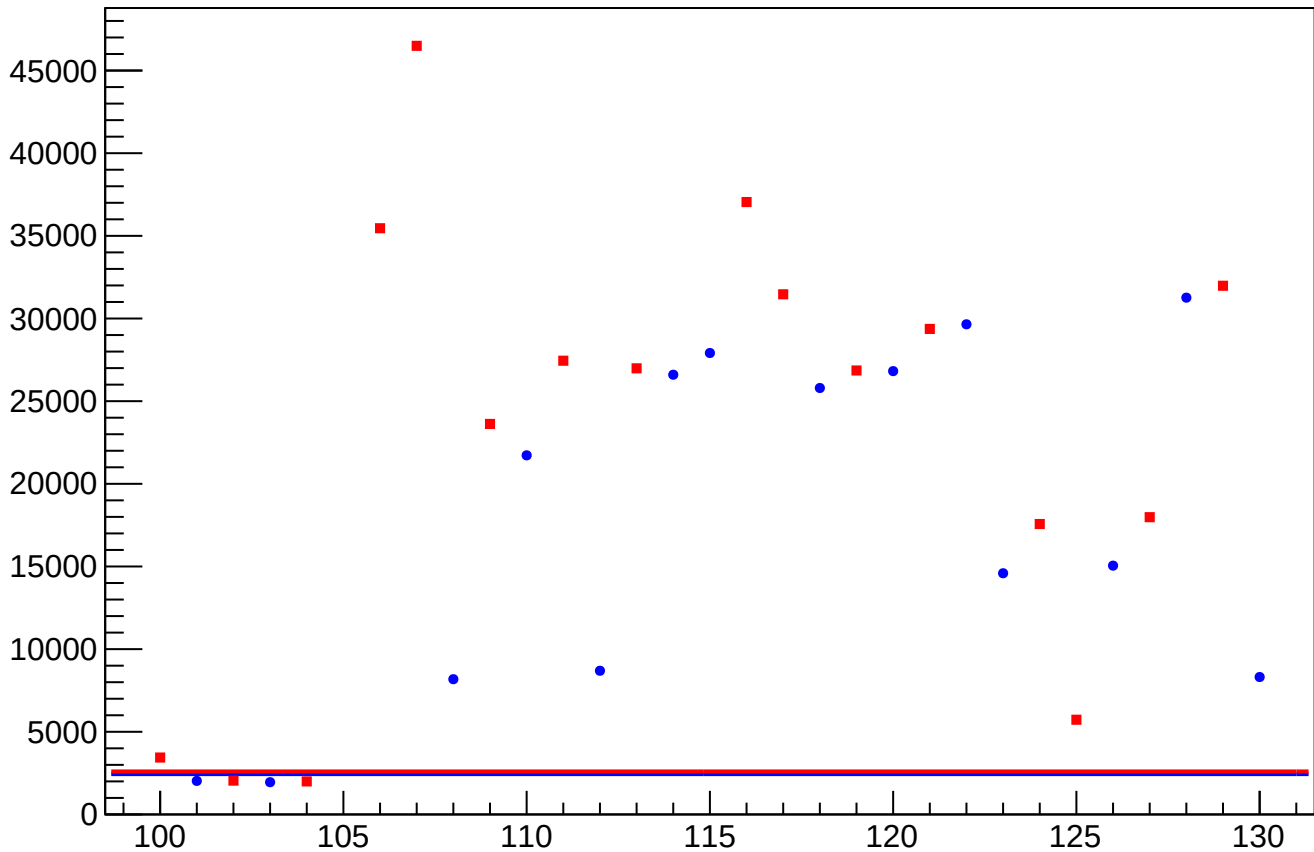
Right Out: 2.022+/-1.960 χ^2/NDF : 27.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-9.151+/-1.821 χ^2/NDF : 21.7/13

2.022+/-1.960 χ^2/NDF : 27.5/15

diff_bpm0l03Y_rms vs Slug



Right In: 2440.611+/-1.287 χ^2/NDF : 4478437.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

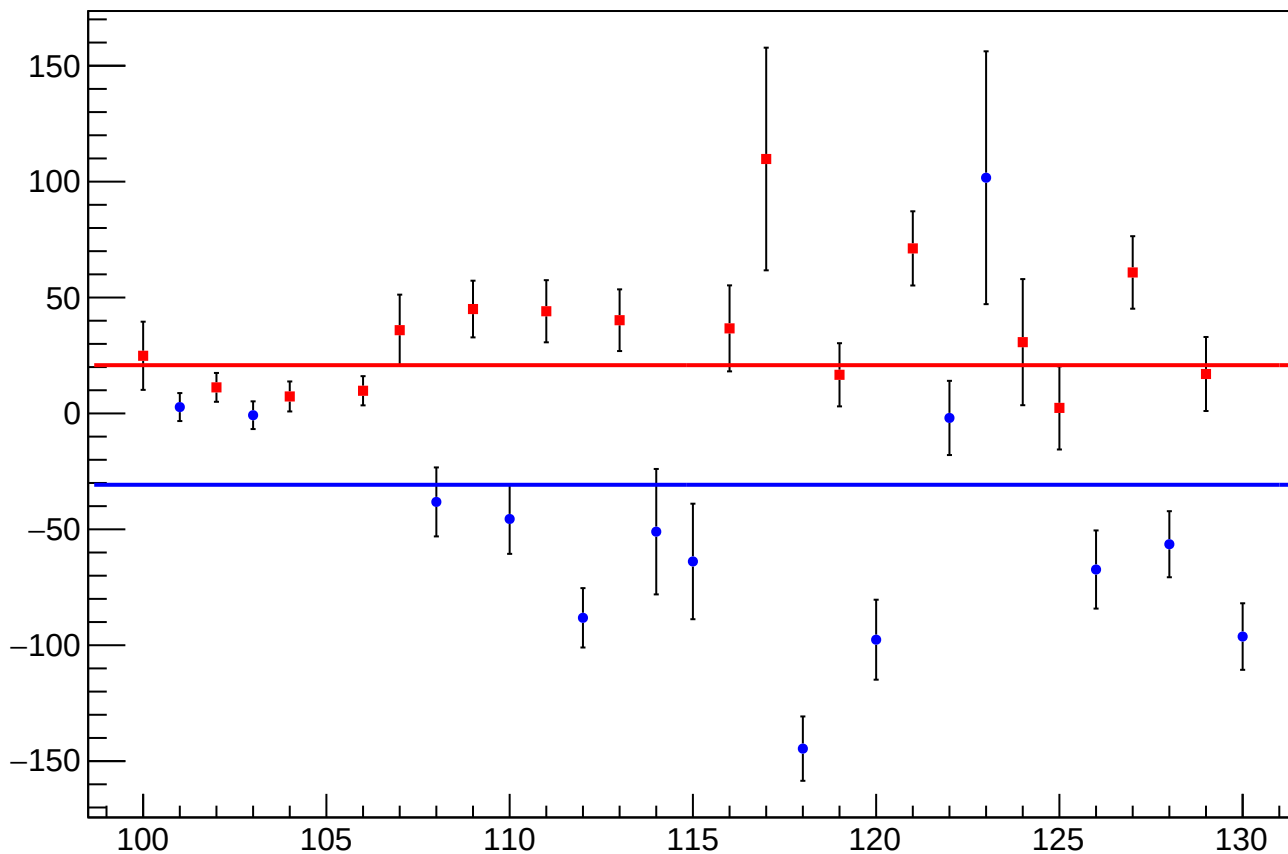
2440.611+/-1.287 χ^2/NDF : 4478437.3/13

Right Out: 2602.167+/-1.386 χ^2/NDF : 6581465.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

2602.167+/-1.386 χ^2/NDF : 6581465.2/15

diff_bpm0l04X_mean vs Slug



Right In: -30.780 ± 3.170 χ^2/NDF : 199.8/13

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

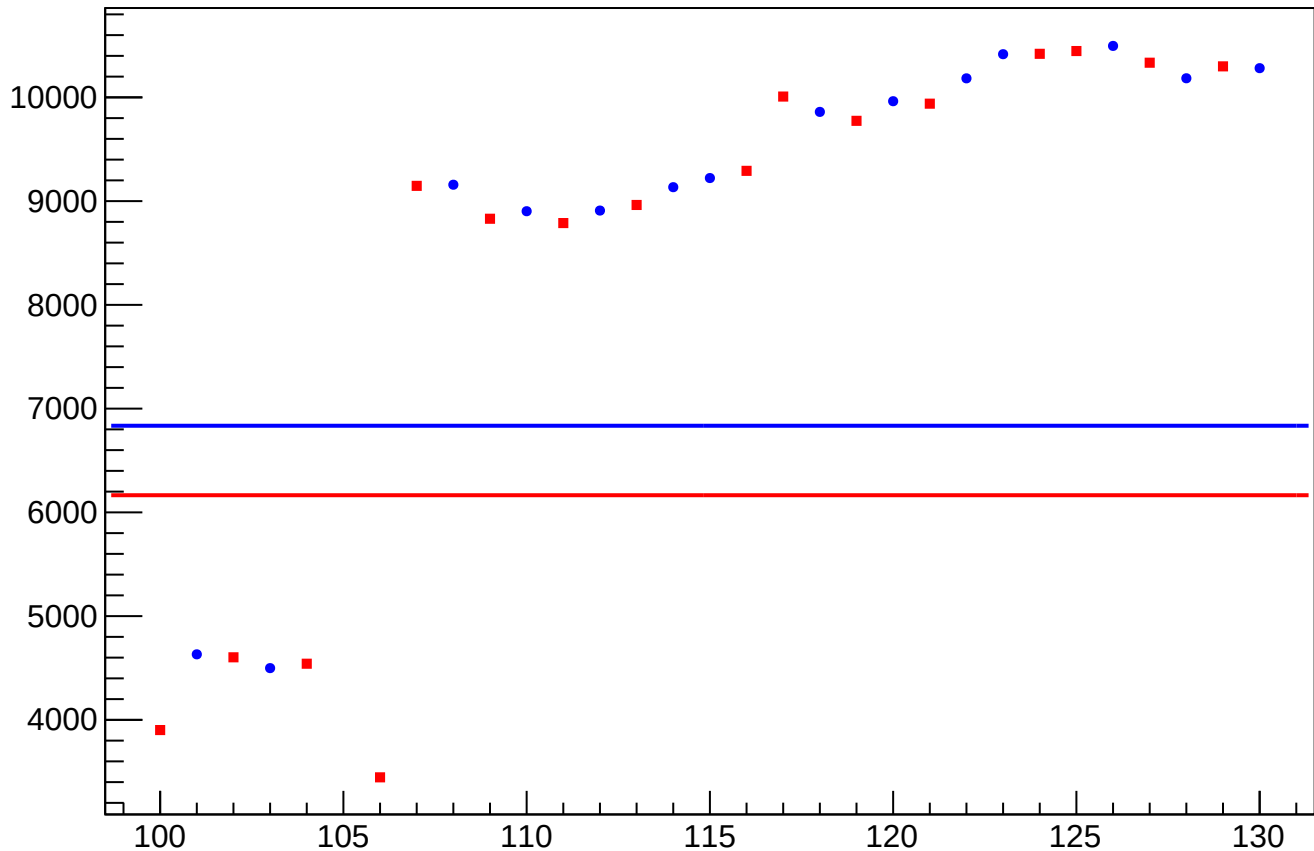
Right Out: 20.819 ± 2.808 χ^2/NDF : 41.8/15

Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

-30.780 ± 3.170 χ^2/NDF : 199.8/13

20.819 ± 2.808 χ^2/NDF : 41.8/15

diff_bpm0l04X_rms vs Slug



Right In: 6834.967+/-2.242 χ^2/NDF : 1320572.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

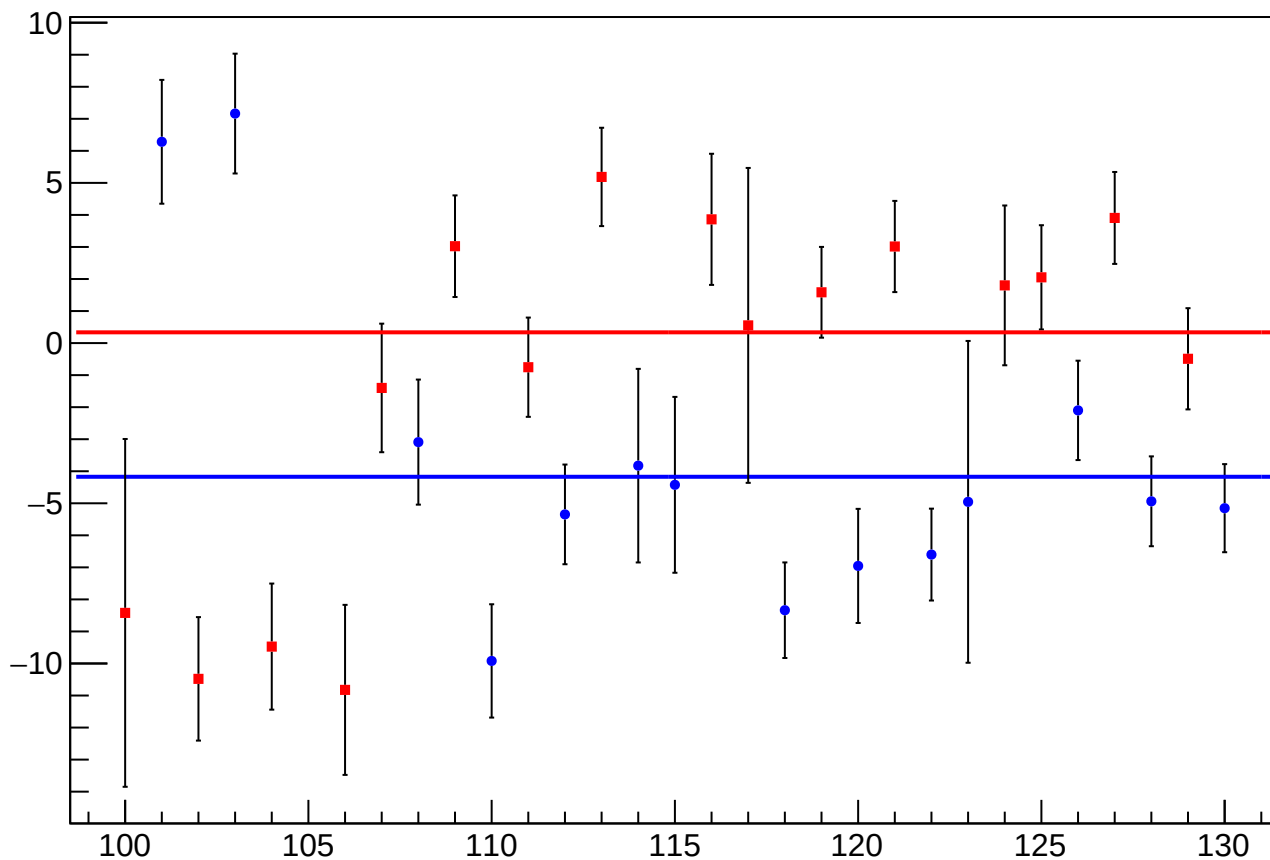
6834.967+/-2.242 χ^2/NDF : 1320572.8/13

Right Out: 6165.261+/-1.986 χ^2/NDF : 1767647.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

6165.261+/-1.986 χ^2/NDF : 1767647.4/15

diff_bpm0l04Y_mean vs Slug



Right In: -4.172+/-0.470 χ^2/NDF : 93.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

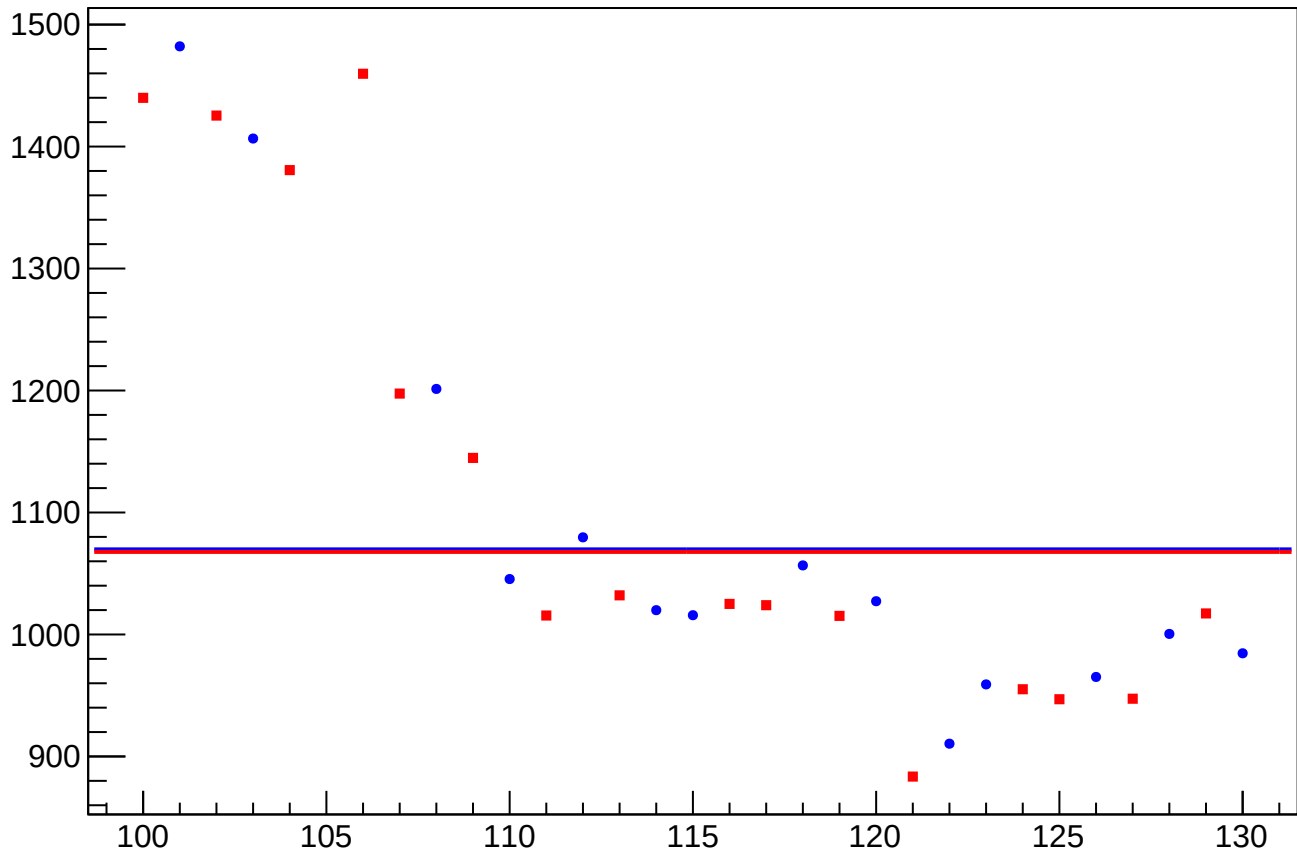
Right Out: 0.336+/-0.452 χ^2/NDF : 106.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-4.172+/-0.470 χ^2/NDF : 93.2/13

0.336+/-0.452 χ^2/NDF : 106.0/15

diff_bpm0l04Y_rms vs Slug



Right In: 1069.770 $\pm$ 0.332 χ^2 /NDF: 215480.9/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

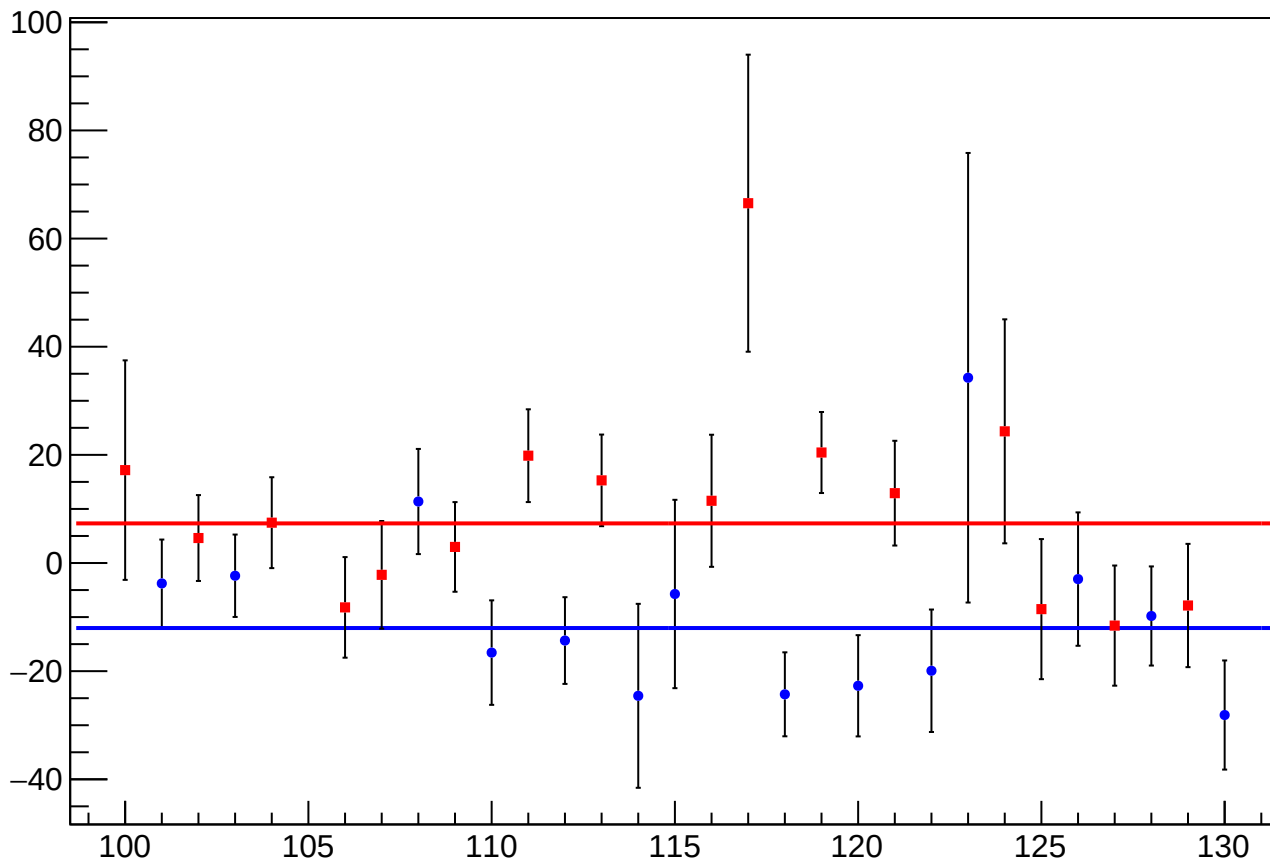
1069.770 $\pm$ 0.332 χ^2 /NDF: 215480.9/13

Right Out: 1067.698 $\pm$ 0.320 χ^2 /NDF: 257500.0/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

1067.698 $\pm$ 0.320 χ^2 /NDF: 257500.0/15

diff_bpm0l05X_mean vs Slug



Right In: -12.024 $\pm$ 2.666 χ^2 /NDF: 18.1/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

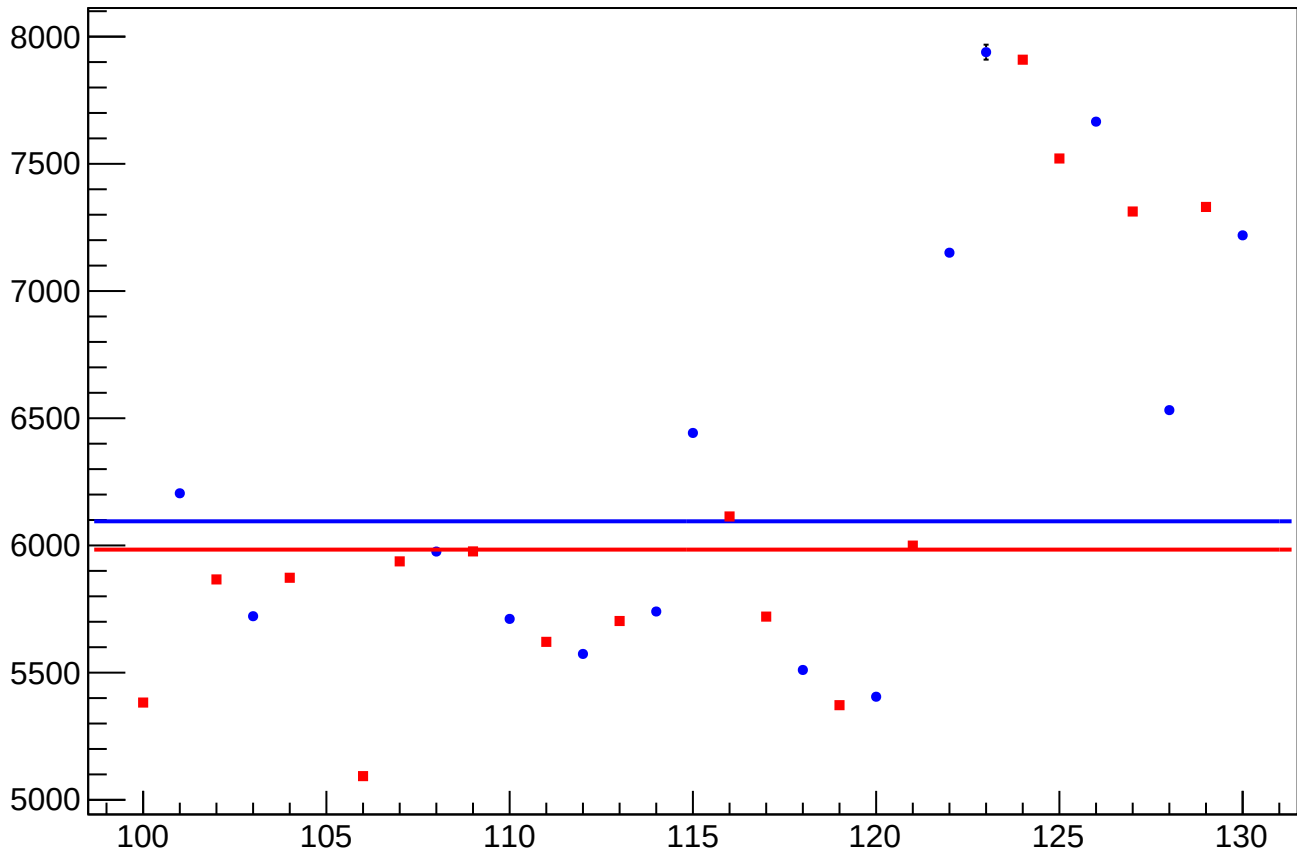
Right Out: 7.326 $\pm$ 2.526 χ^2 /NDF: 22.3/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

-12.024 $\pm$ 2.666 χ^2 /NDF: 18.1/13

7.326 $\pm$ 2.526 χ^2 /NDF: 22.3/15

diff_bpm0l05X_rms vs Slug



Right In: 6094.924+/-1.885 χ^2/NDF : 124042.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

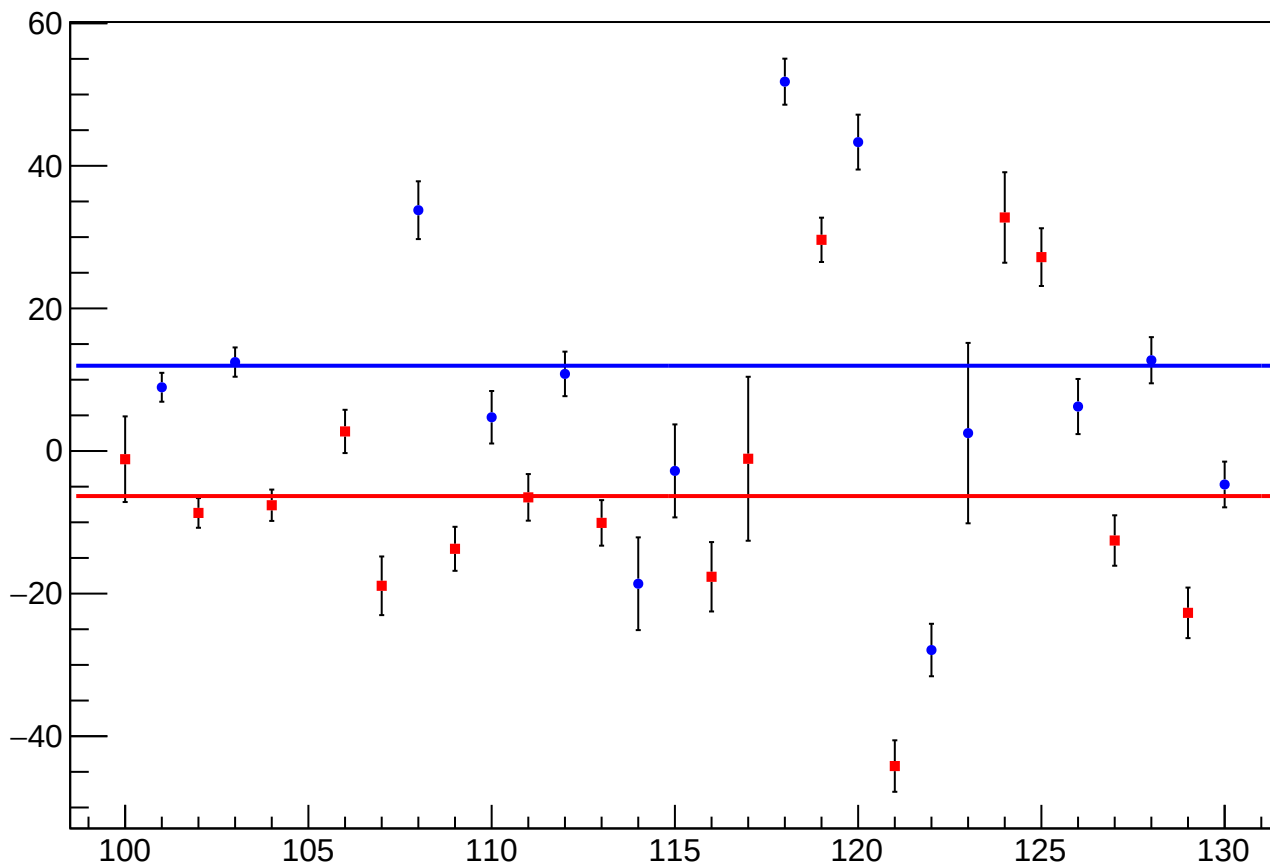
Right Out: 5983.643+/-1.786 χ^2/NDF : 142399.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

6094.924+/-1.885 χ^2/NDF : 124042.3/13

5983.643+/-1.786 χ^2/NDF : 142399.8/15

diff_bpm0l05Y_mean vs Slug



Right In: 11.962+/-0.888 χ^2/NDF : 428.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

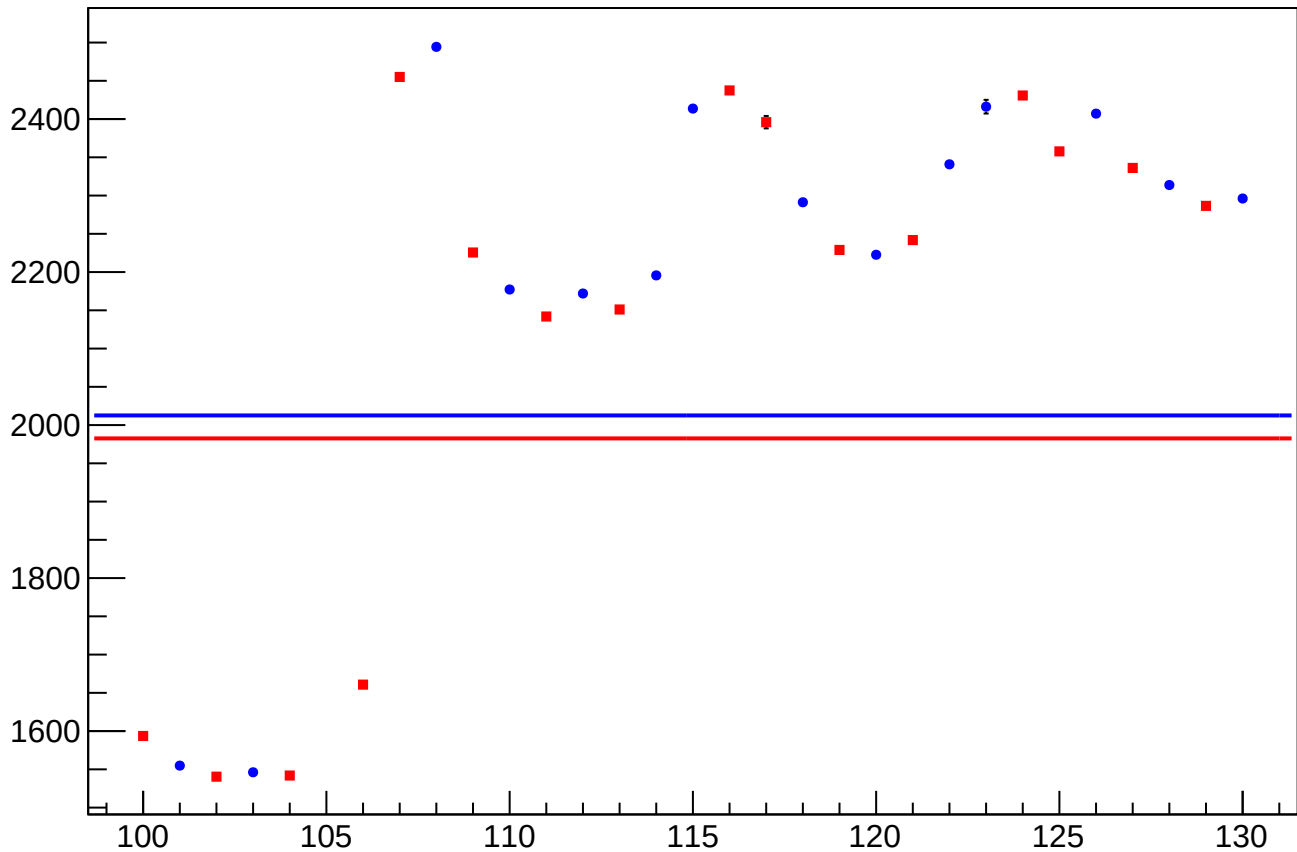
Right Out: -6.319+/-0.844 χ^2/NDF : 407.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

11.962+/-0.888 χ^2/NDF : 428.4/13

-6.319+/-0.844 χ^2/NDF : 407.9/15

diff_bpm0l05Y_rms vs Slug



Right In: 2012.591+/-0.628 χ^2/NDF : 344325.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

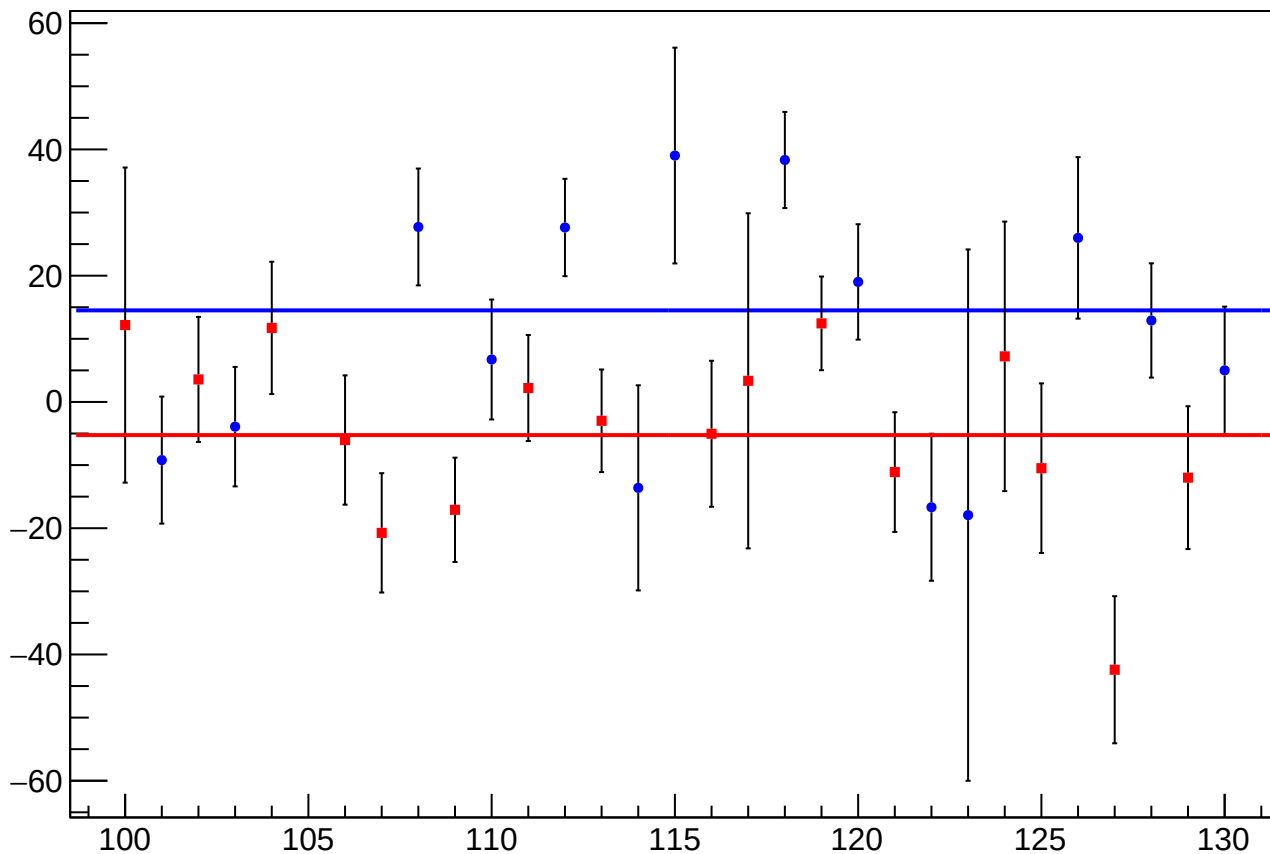
2012.591+/-0.628 χ^2/NDF : 344325.8/13

Right Out: 1982.576+/-0.597 χ^2/NDF : 355388.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1982.576+/-0.597 χ^2/NDF : 355388.6/15

diff_bpm0l06X_mean vs Slug



Right In: 14.504+/-2.741 χ^2 /NDF: 39.5/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

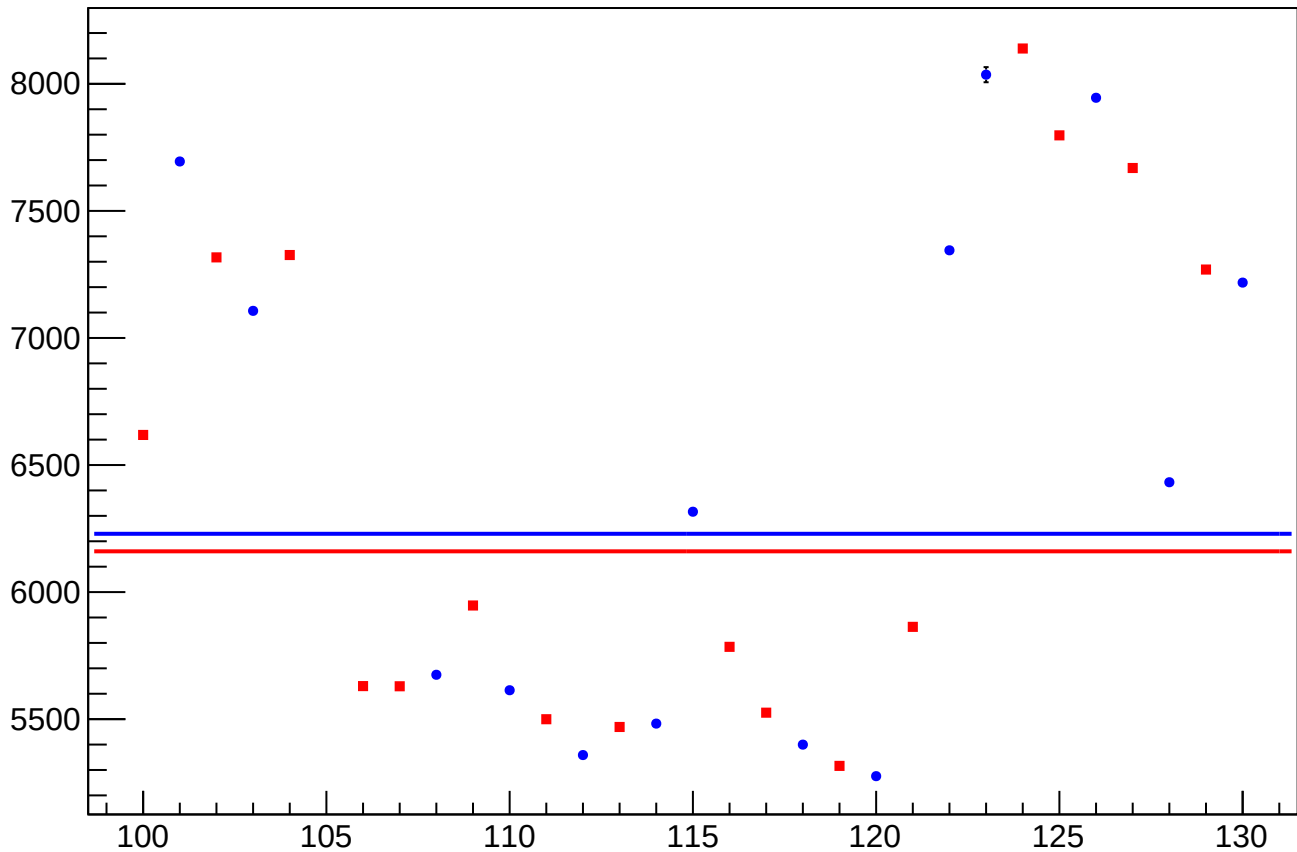
Right Out: -5.249+/-2.611 χ^2 /NDF: 26.7/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

14.504+/-2.741 χ^2 /NDF: 39.5/13

-5.249+/-2.611 χ^2 /NDF: 26.7/15

diff_bpm0l06X_rms vs Slug



Right In: 6229.419 $\pm$ 1.938 χ^2 /NDF: 228696.8/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

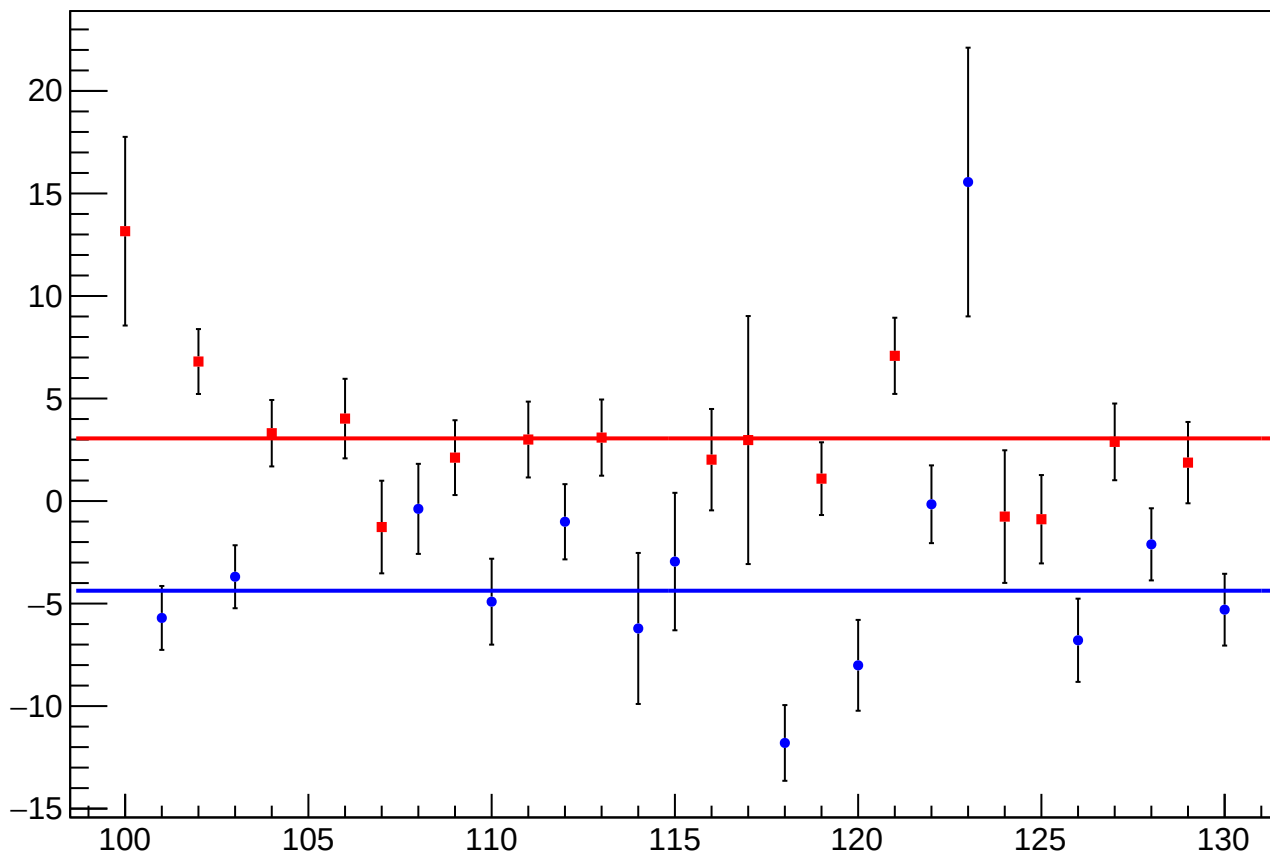
Right Out: 6160.407 $\pm$ 1.846 χ^2 /NDF: 223319.3/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

6229.419 $\pm$ 1.938 χ^2 /NDF: 228696.8/13

6160.407 $\pm$ 1.846 χ^2 /NDF: 223319.3/15

diff_bpm0l06Y_mean vs Slug



Right In: -4.374+/-0.541 χ^2/NDF : 44.5/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

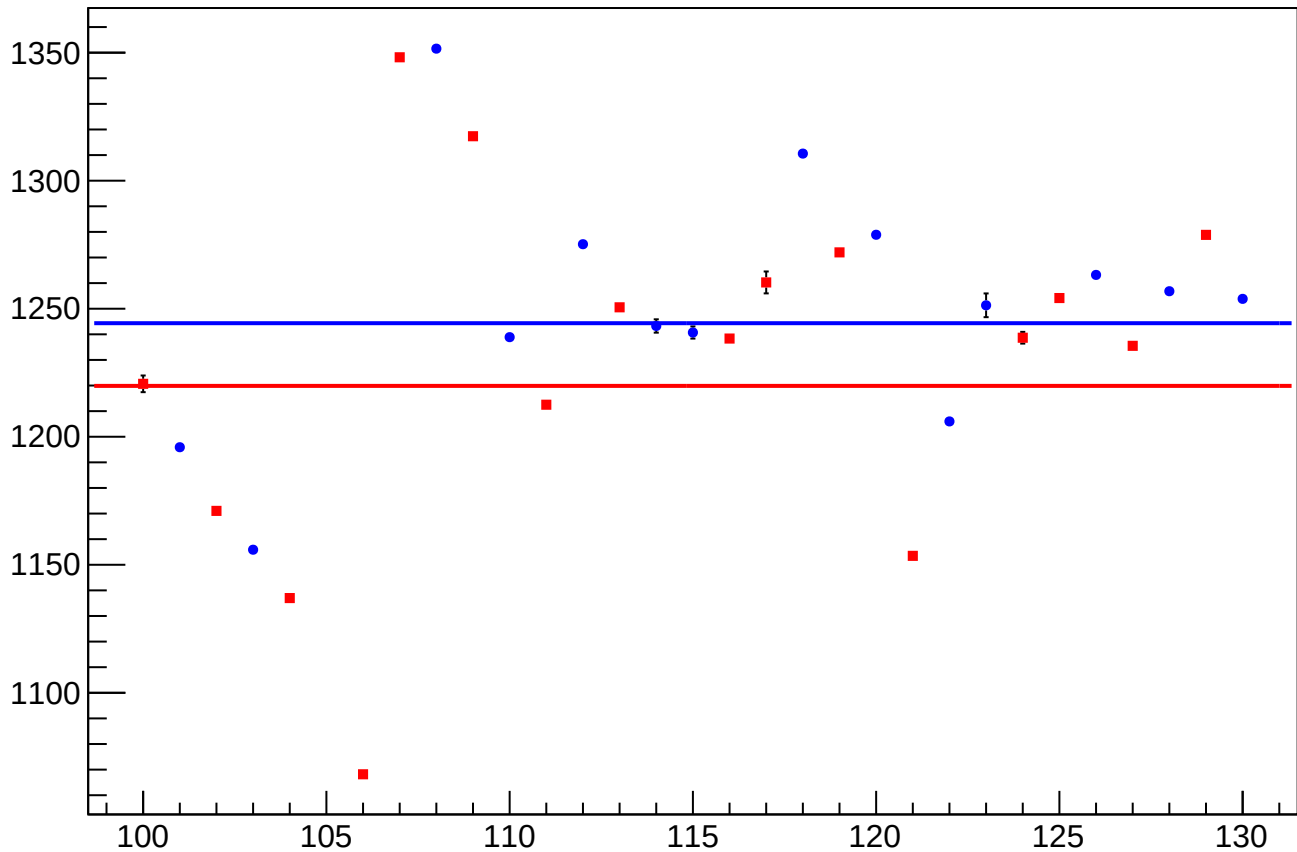
Right Out: 3.055+/-0.512 χ^2/NDF : 25.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-4.374+/-0.541 χ^2/NDF : 44.5/13

3.055+/-0.512 χ^2/NDF : 25.8/15

diff_bpm0l06Y_rms vs Slug



Right In: 1244.347+/-0.382 χ^2/NDF : 18129.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

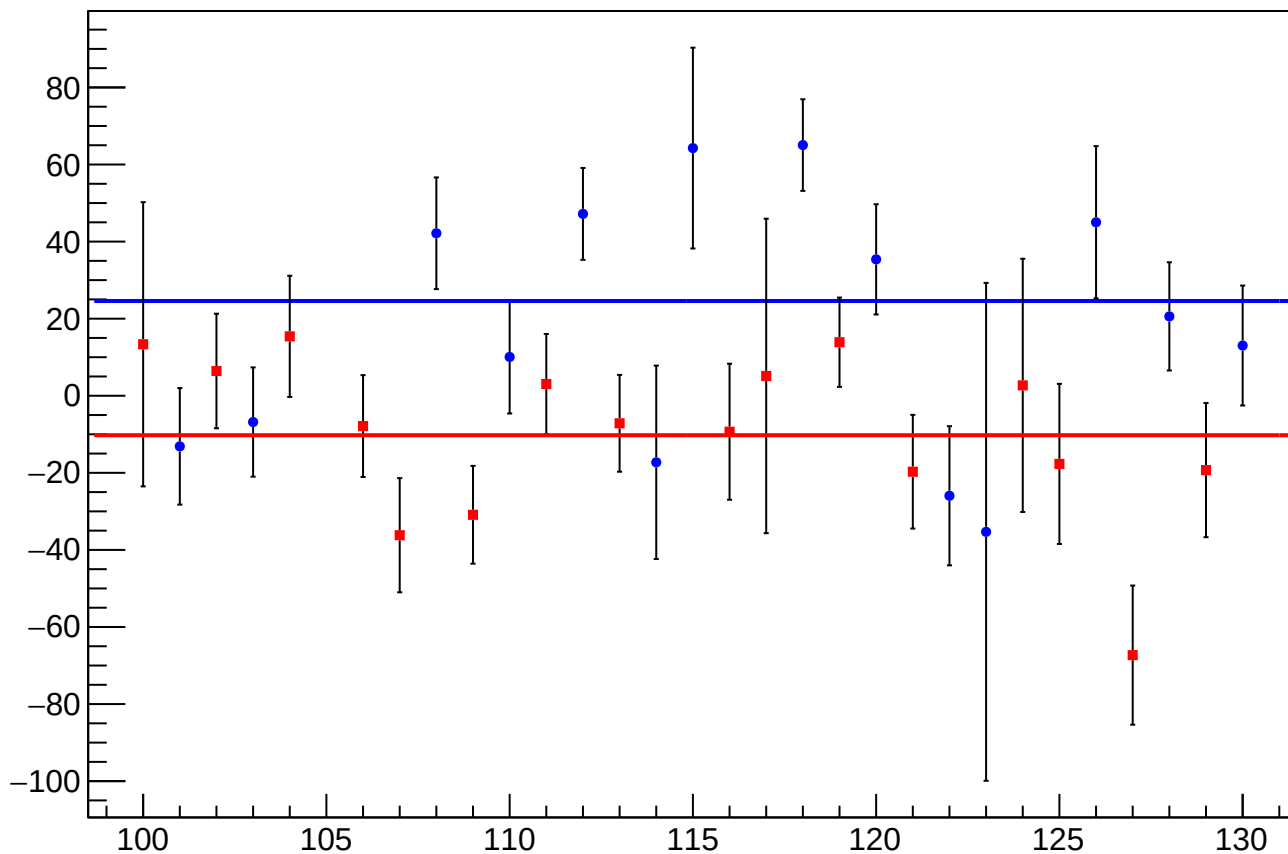
Right Out: 1219.863+/-0.362 χ^2/NDF : 39071.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1244.347+/-0.382 χ^2/NDF : 18129.8/13

1219.863+/-0.362 χ^2/NDF : 39071.4/15

diff_bpm0l07X_mean vs Slug



Right In: 24.588+/-4.230 χ^2 /NDF: 44.8/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

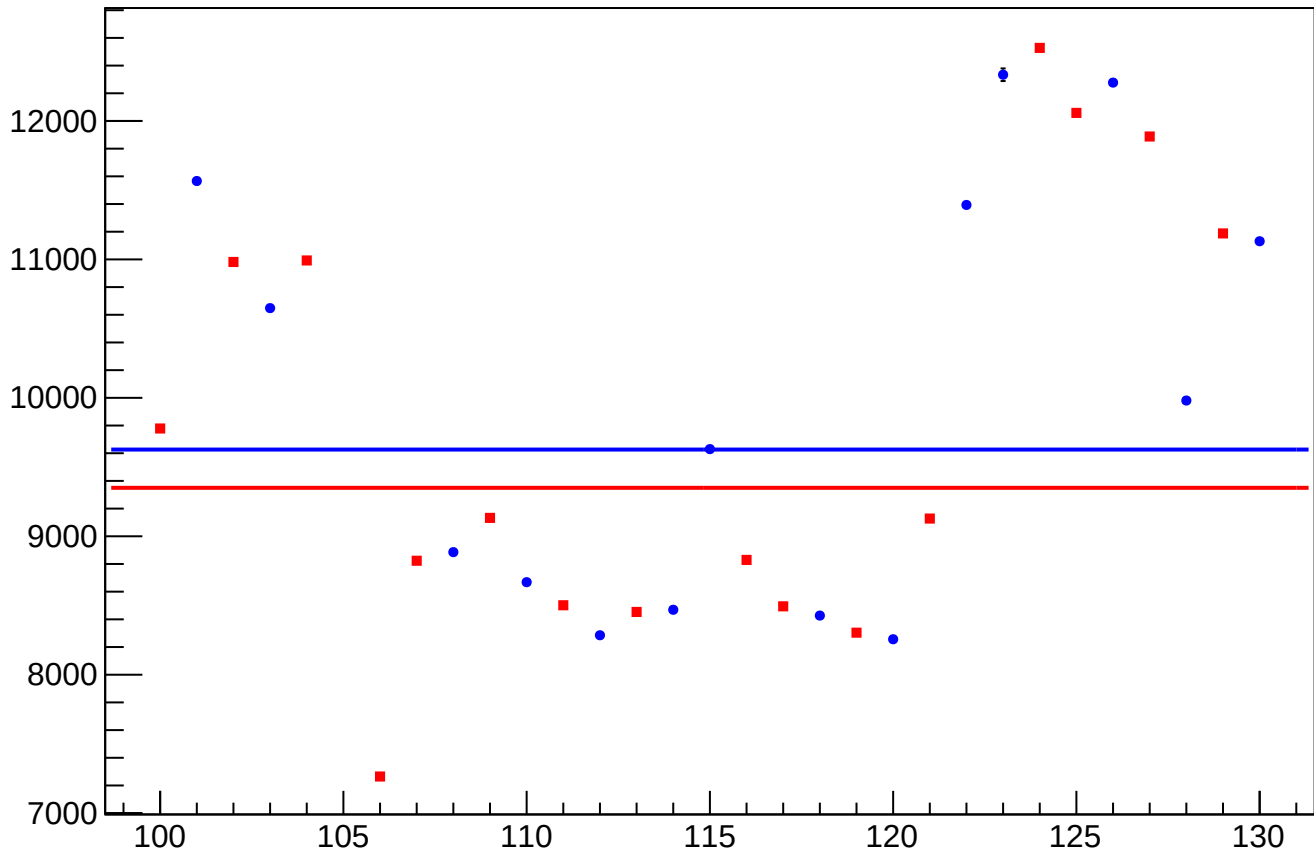
Right Out: -10.235+/-3.967 χ^2 /NDF: 26.6/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

24.588+/-4.230 χ^2 /NDF: 44.8/13

-10.235+/-3.967 χ^2 /NDF: 26.6/15

diff_bpm0l07X_rms vs Slug



Right In: 9626.486 $\pm$ 2.991 χ^2 /NDF: 203968.5/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

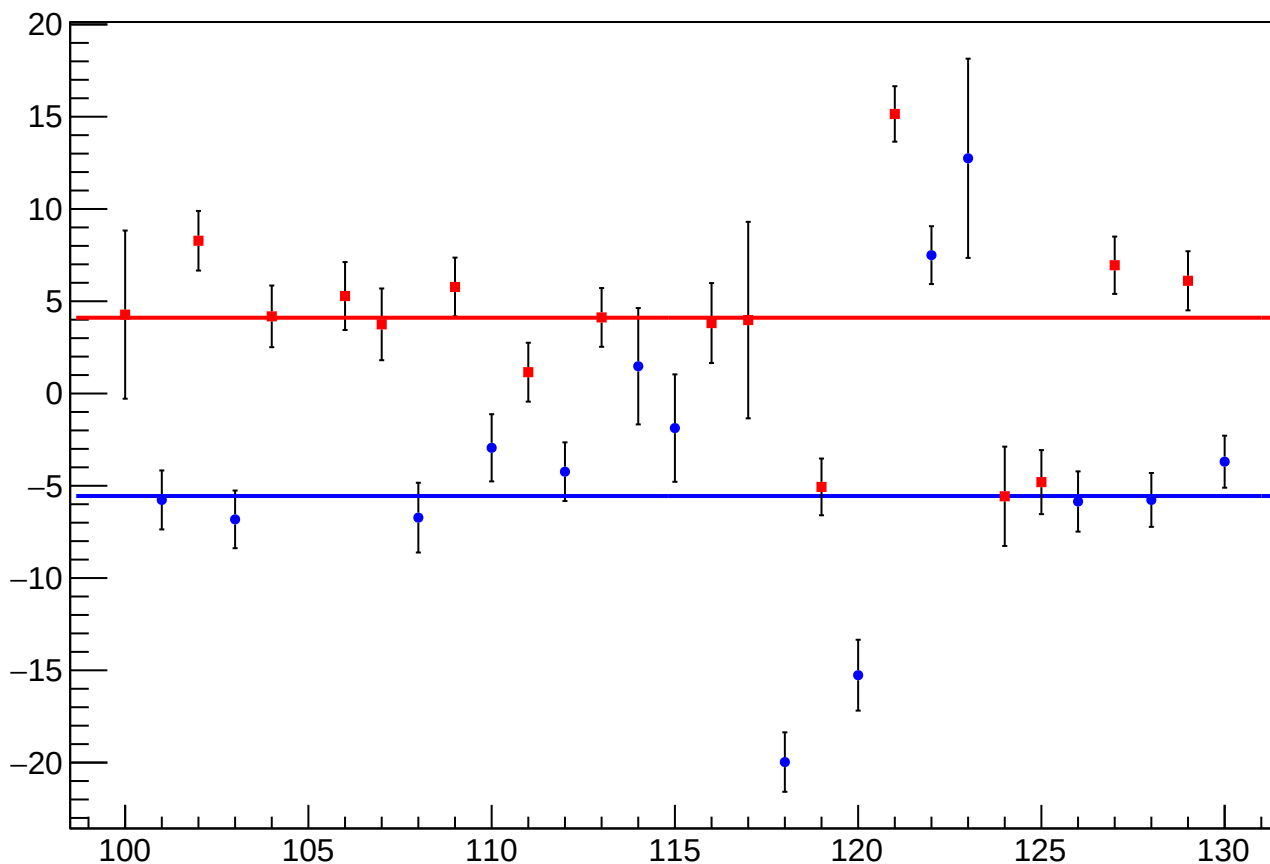
9626.486 $\pm$ 2.991 χ^2 /NDF: 203968.5/13

Right Out: 9350.161 $\pm$ 2.805 χ^2 /NDF: 251718.4/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

9350.161 $\pm$ 2.805 χ^2 /NDF: 251718.4/15

diff_bpm0l07Y_mean vs Slug



Right In: -5.555+/-0.474 χ^2 /NDF: 198.7/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

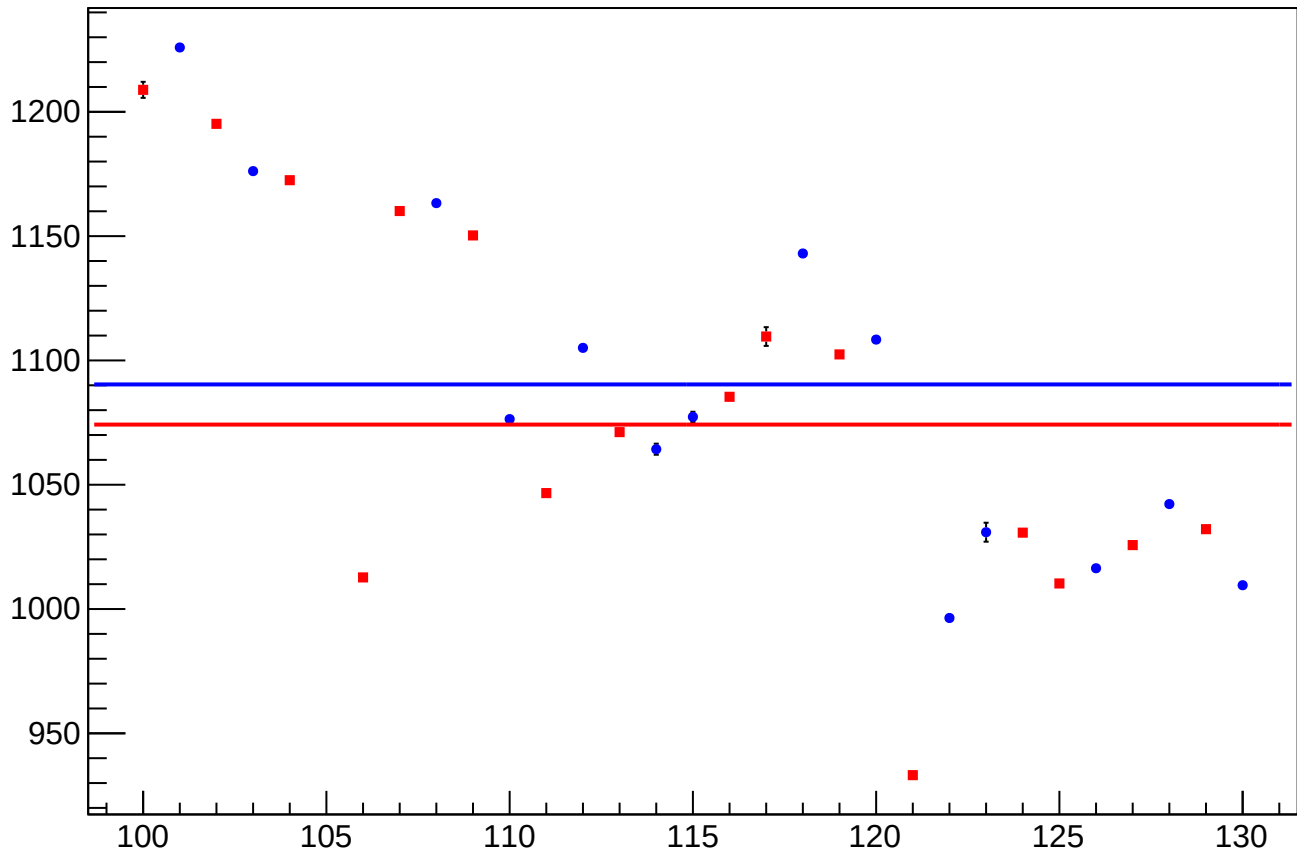
Right Out: 4.107+/-0.451 χ^2 /NDF: 145.4/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

-5.555+/-0.474 χ^2 /NDF: 198.7/13

4.107+/-0.451 χ^2 /NDF: 145.4/15

diff_bpm0l07Y_rms vs Slug



Right In: 1090.350+/-0.335 χ^2/NDF : 46455.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

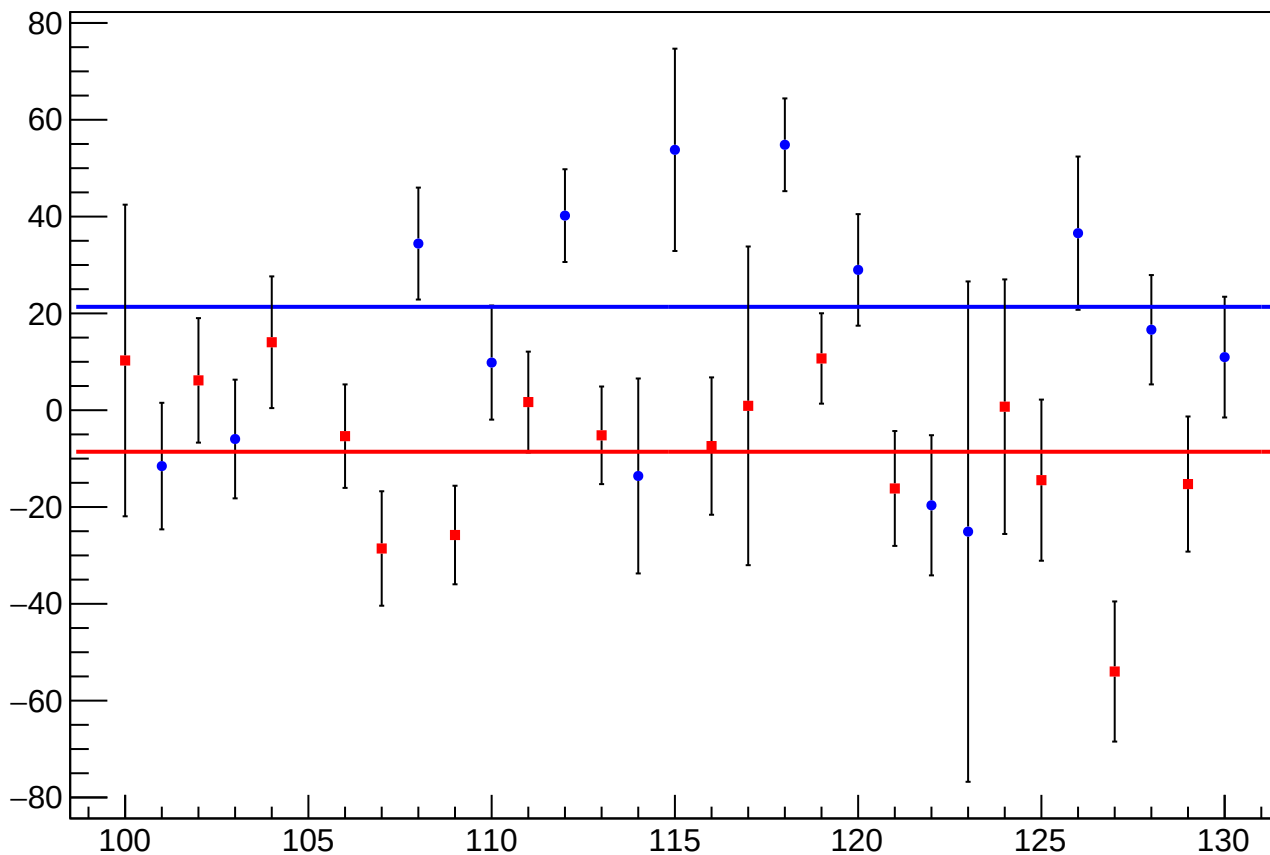
Right Out: 1074.197+/-0.319 χ^2/NDF : 56184.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1090.350+/-0.335 χ^2/NDF : 46455.7/13

1074.197+/-0.319 χ^2/NDF : 56184.2/15

diff_bpm0l08X_mean vs Slug



Right In: 21.356+/-3.437 χ^2 /NDF: 46.1/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

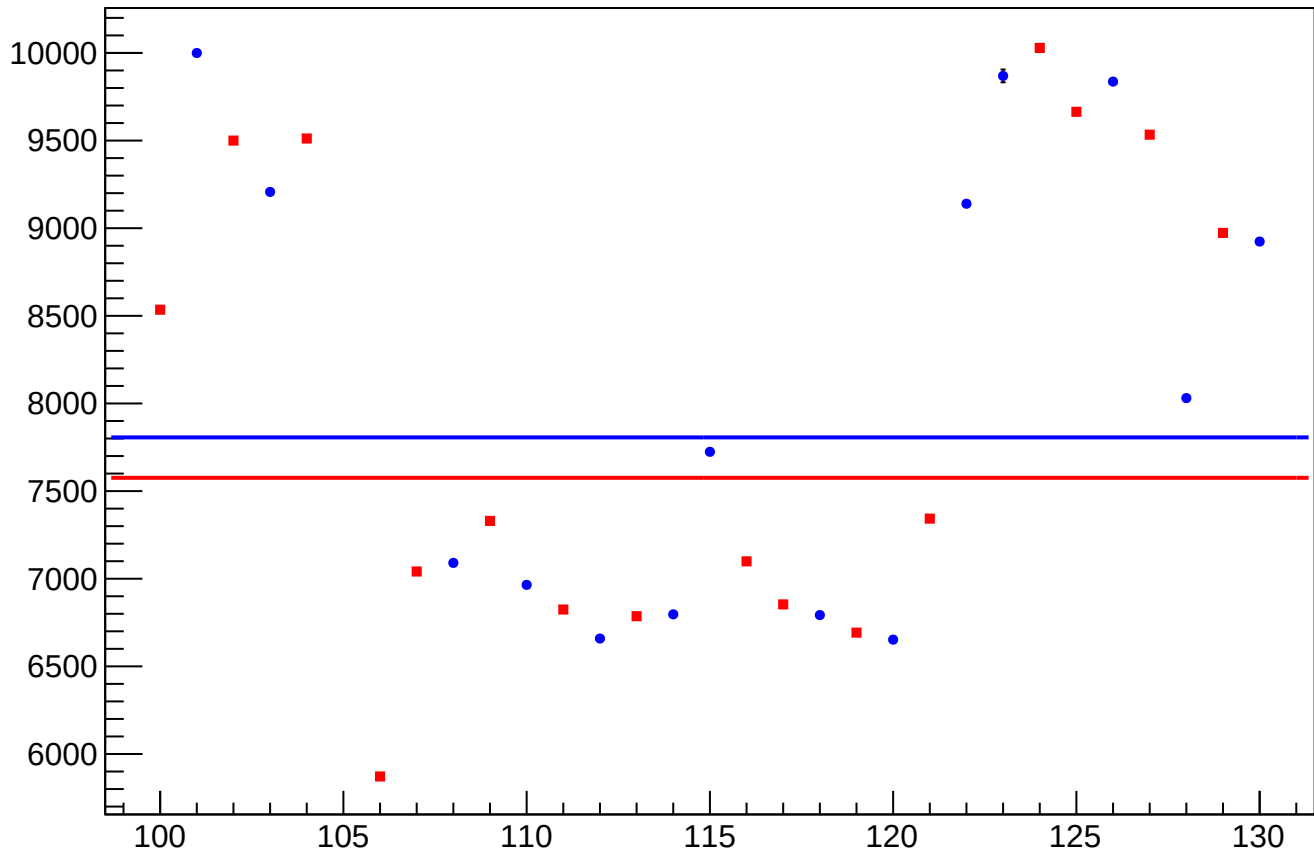
Right Out: -8.581+/-3.220 χ^2 /NDF: 26.4/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

21.356+/-3.437 χ^2 /NDF: 46.1/13

-8.581+/-3.220 χ^2 /NDF: 26.4/15

diff_bpm0l08X_rms vs Slug



Right In: 7806.449 $\pm$ 2.430 χ^2 /NDF: 246327.4/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

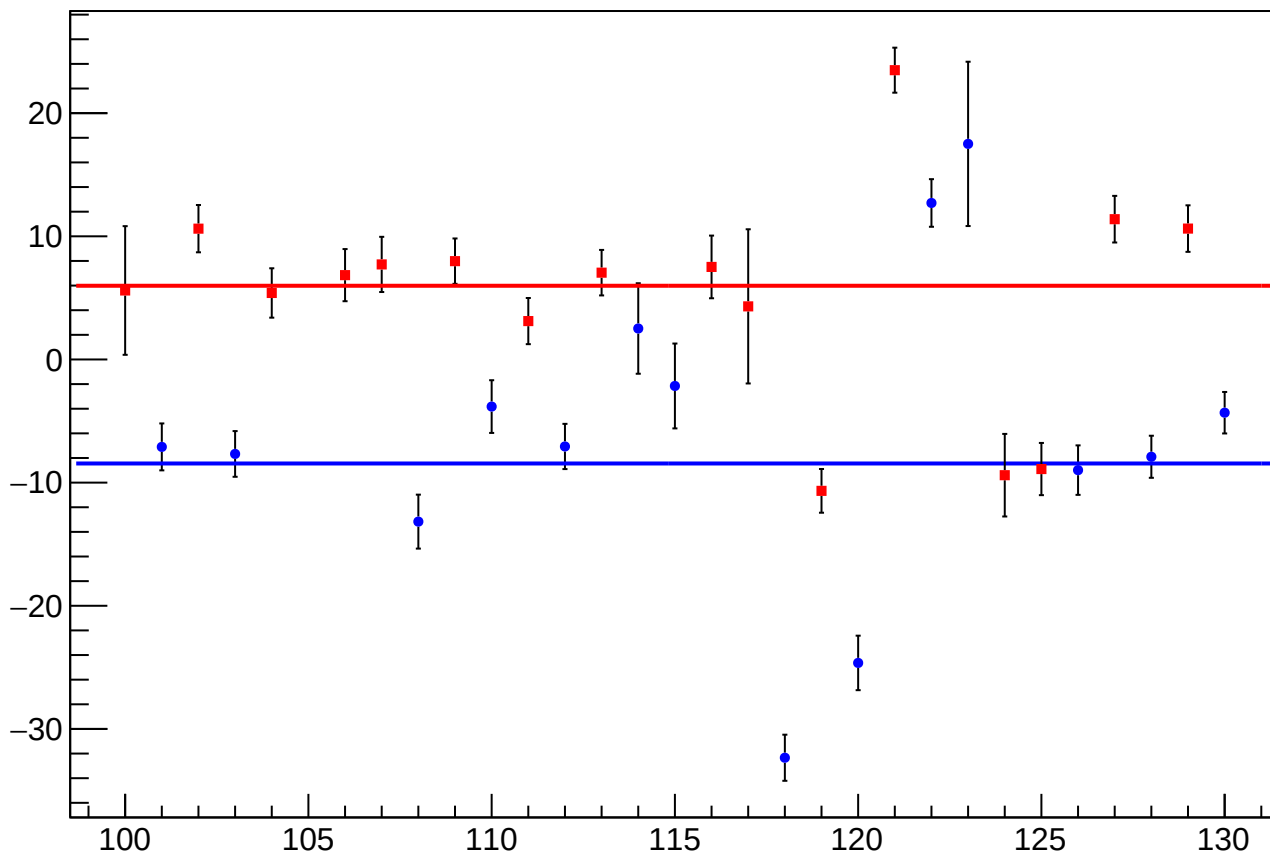
7806.449 $\pm$ 2.430 χ^2 /NDF: 246327.4/13

Right Out: 7575.818 $\pm$ 2.277 χ^2 /NDF: 293191.8/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

7575.818 $\pm$ 2.277 χ^2 /NDF: 293191.8/15

diff_bpm0l08Y_mean vs Slug



Right In: -8.446+/-0.562 χ^2/NDF : 380.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

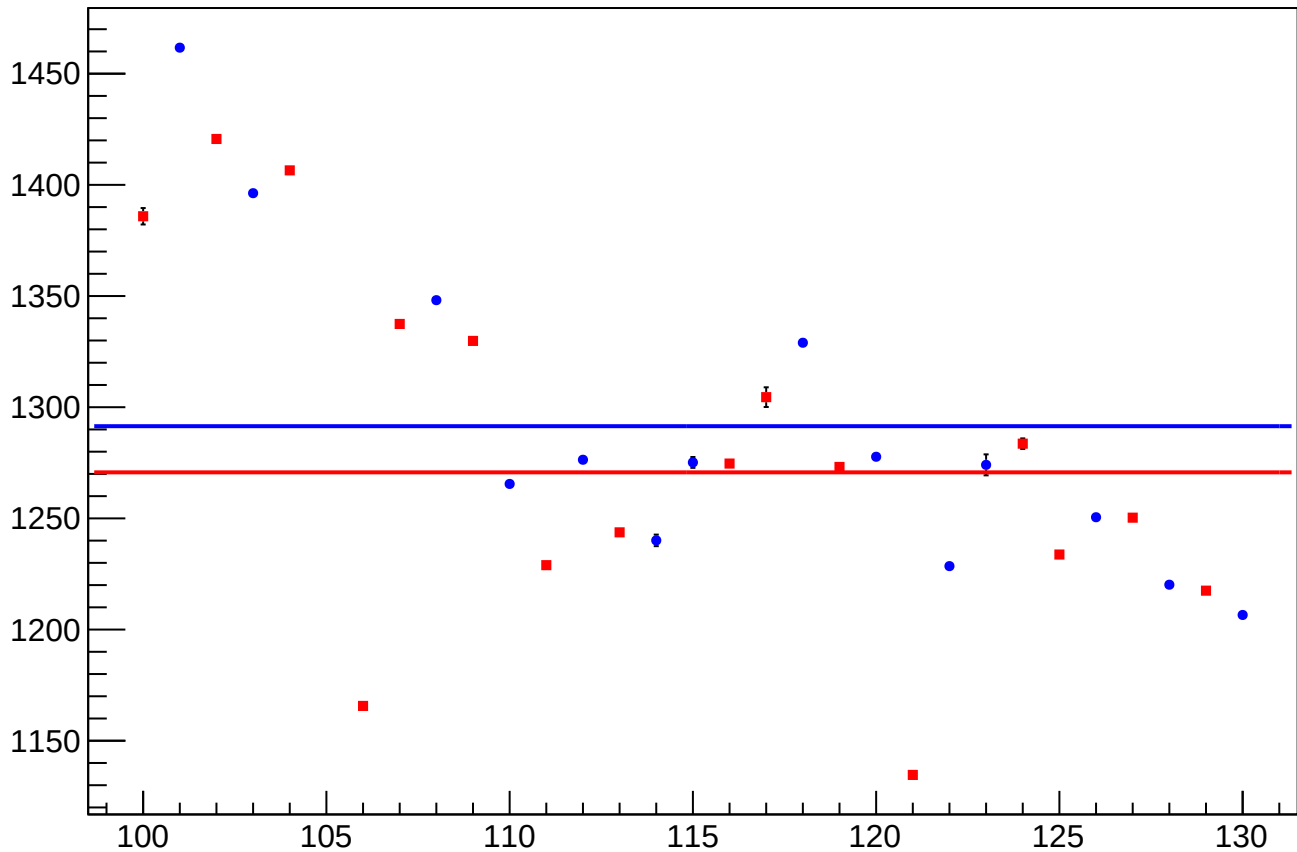
Right Out: 5.985+/-0.533 χ^2/NDF : 275.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-8.446+/-0.562 χ^2/NDF : 380.3/13

5.985+/-0.533 χ^2/NDF : 275.2/15

diff_bpm0l08Y_rms vs Slug



Right In: 1291.464 $\pm$ 0.397 χ^2 /NDF: 36959.6/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

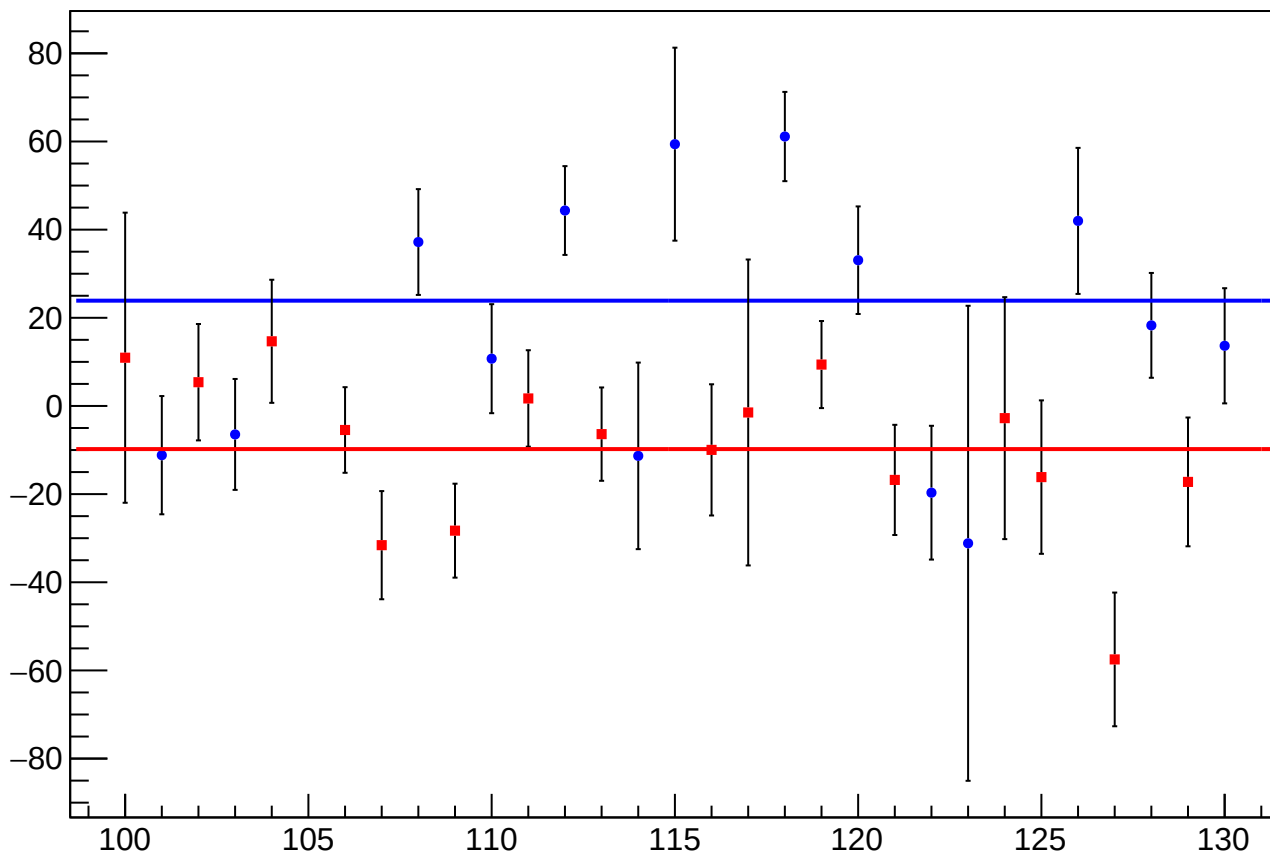
Right Out: 1270.704 $\pm$ 0.377 χ^2 /NDF: 46130.5/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

1291.464 $\pm$ 0.397 χ^2 /NDF: 36959.6/13

1270.704 $\pm$ 0.377 χ^2 /NDF: 46130.5/15

diff_bpm0l09X_mean vs Slug



Right In: 23.887+/-3.598 χ^2/NDF : 49.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

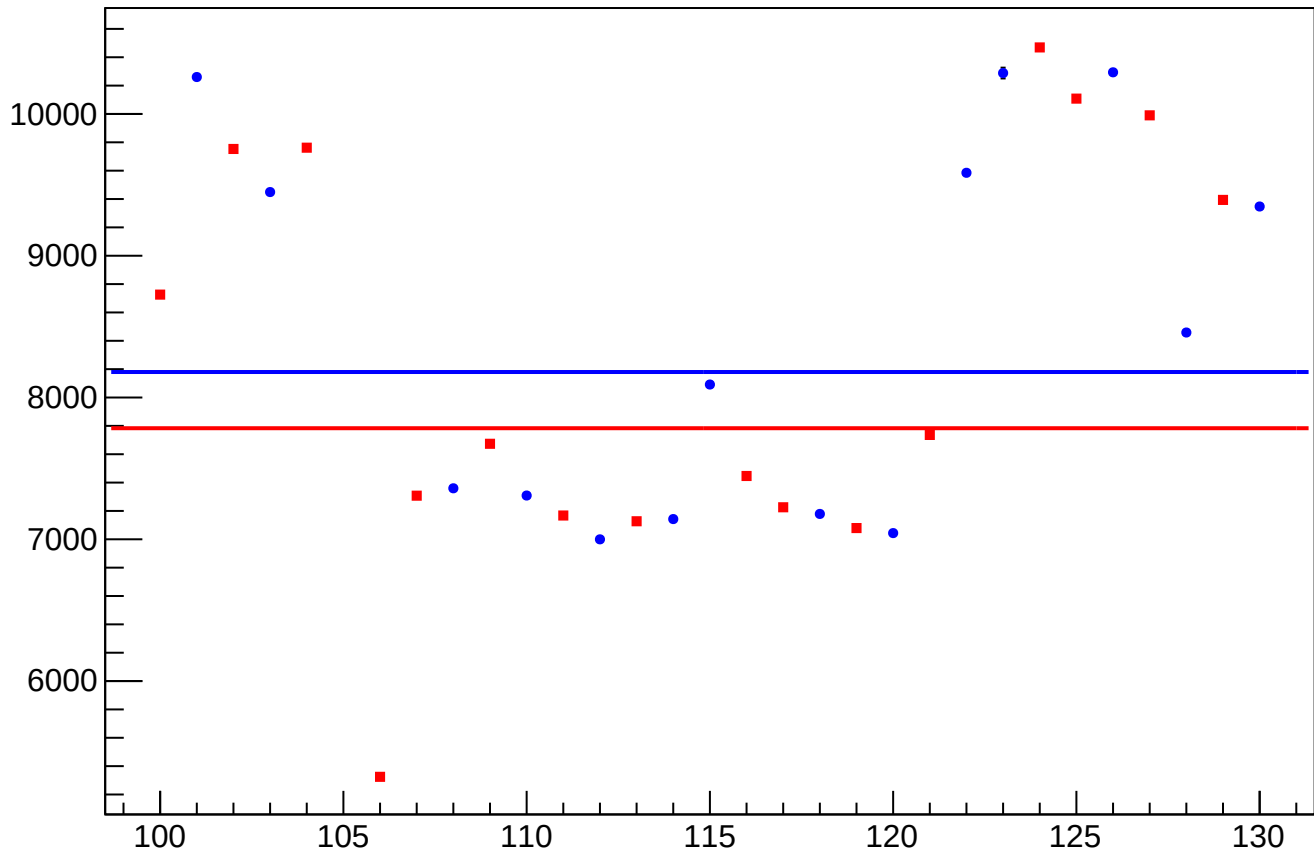
Right Out: -9.784+/-3.319 χ^2/NDF : 26.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

23.887+/-3.598 χ^2/NDF : 49.9/13

-9.784+/-3.319 χ^2/NDF : 26.9/15

diff_bpm0l09X_rms vs Slug



Right In: 8179.897 $\pm$ 2.544 χ^2 /NDF: 226770.7/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

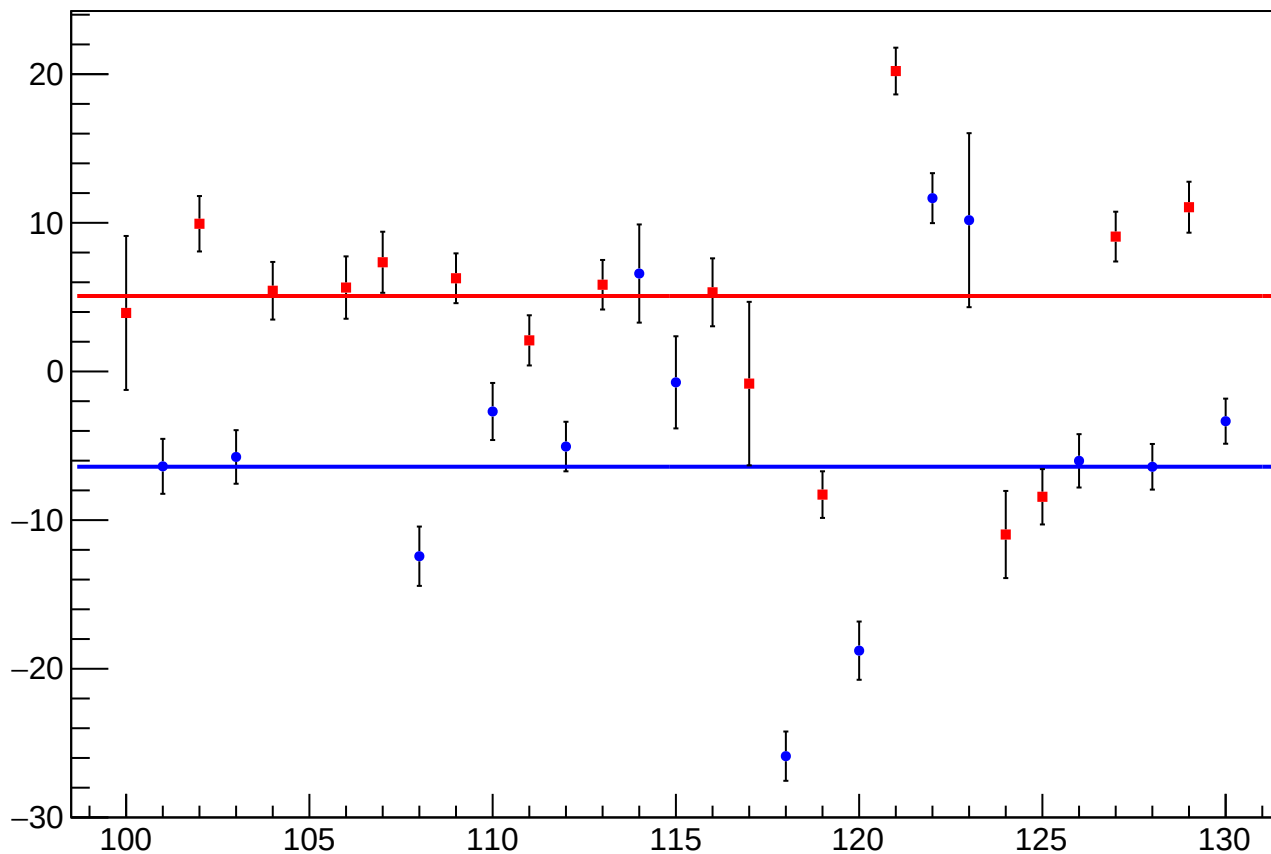
8179.897 $\pm$ 2.544 χ^2 /NDF: 226770.7/13

Right Out: 7783.433 $\pm$ 2.347 χ^2 /NDF: 364935.7/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

7783.433 $\pm$ 2.347 χ^2 /NDF: 364935.7/15

diff_bpm0l09Y_mean vs Slug



Right In: -6.408 $\pm$ 0.509 χ^2 /NDF: 338.0/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

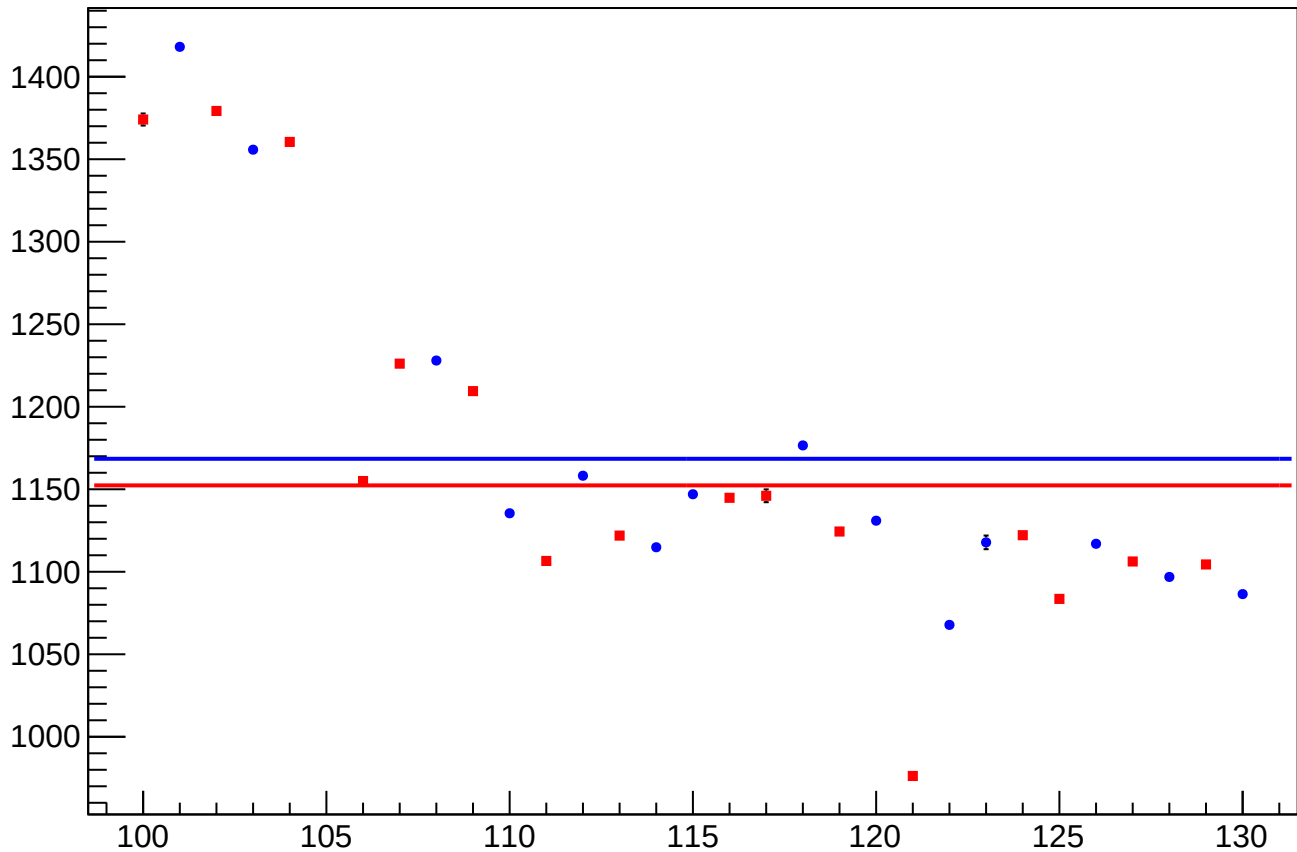
Right Out: 5.077 $\pm$ 0.485 χ^2 /NDF: 278.8/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

-6.408 $\pm$ 0.509 χ^2 /NDF: 338.0/13

5.077 $\pm$ 0.485 χ^2 /NDF: 278.8/15

diff_bpm0l09Y_rms vs Slug



Right In: 1168.468 $\pm$ 0.360 χ^2 /NDF: 81120.3/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

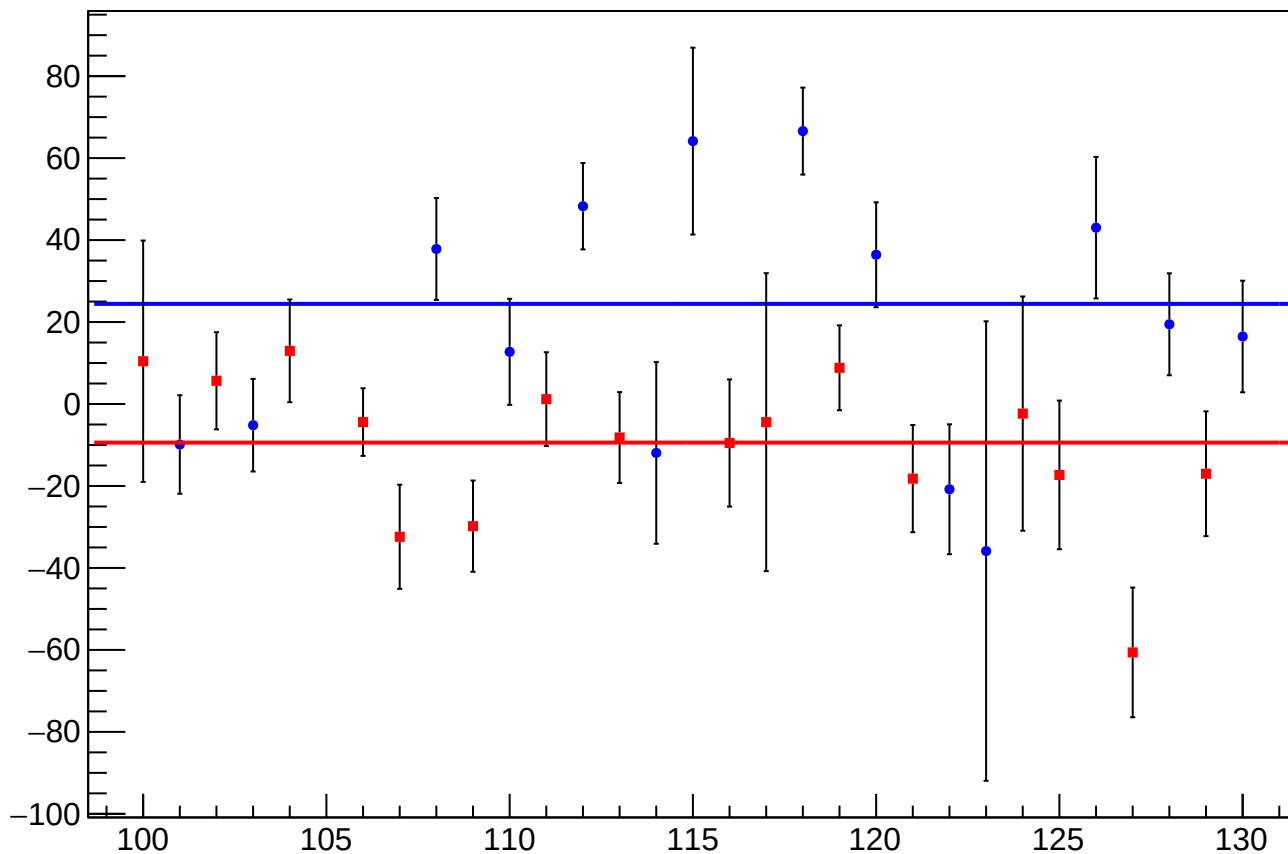
Right Out: 1152.346 $\pm$ 0.343 χ^2 /NDF: 95137.1/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

1168.468 $\pm$ 0.360 χ^2 /NDF: 81120.3/13

1152.346 $\pm$ 0.343 χ^2 /NDF: 95137.1/15

diff_bpm0l10X_mean vs Slug



Right In: 24.433+/-3.660 χ^2/NDF : 55.5/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

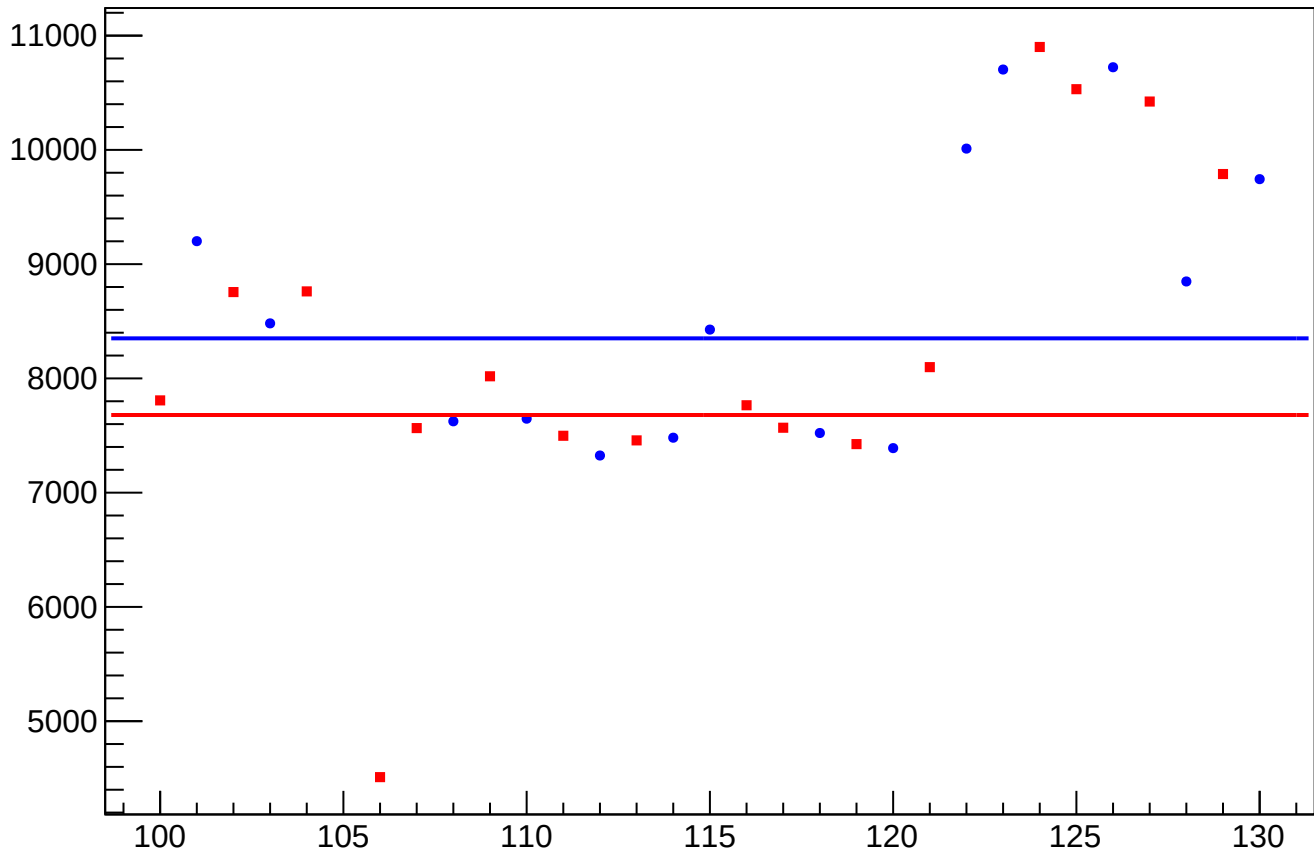
Right Out: -9.414+/-3.296 χ^2/NDF : 27.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

24.433+/-3.660 χ^2/NDF : 55.5/13

-9.414+/-3.296 χ^2/NDF : 27.7/15

diff_bpm0l10X_rms vs Slug



Right In: 8350.552 $\pm$ 2.588 χ^2 /NDF: 155936.4/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

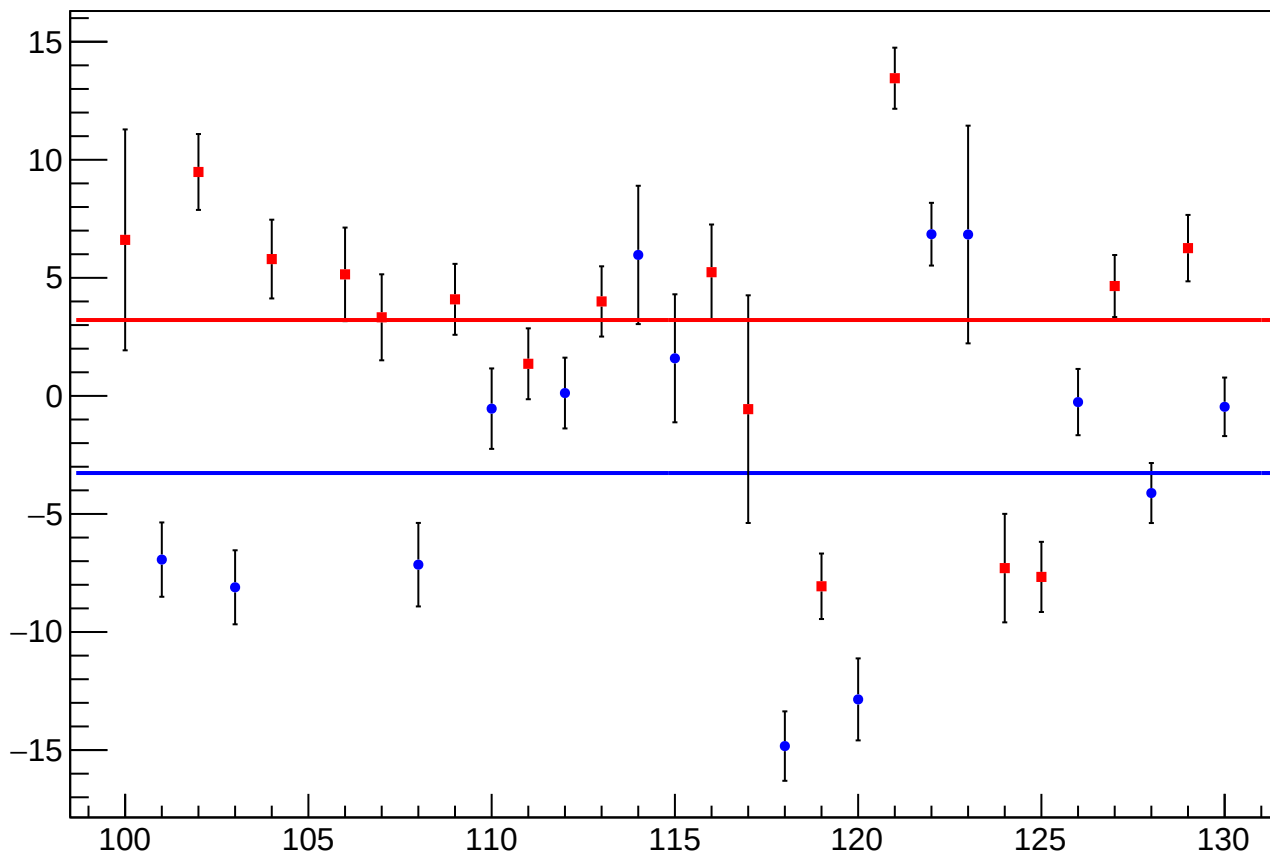
Right Out: 7679.691 $\pm$ 2.331 χ^2 /NDF: 506545.0/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

8350.552 $\pm$ 2.588 χ^2 /NDF: 155936.4/13

7679.691 $\pm$ 2.331 χ^2 /NDF: 506545.0/15

diff_bpm0l10Y_mean vs Slug



Right In: -3.266 ± 0.432 χ^2/NDF : 205.8/13

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

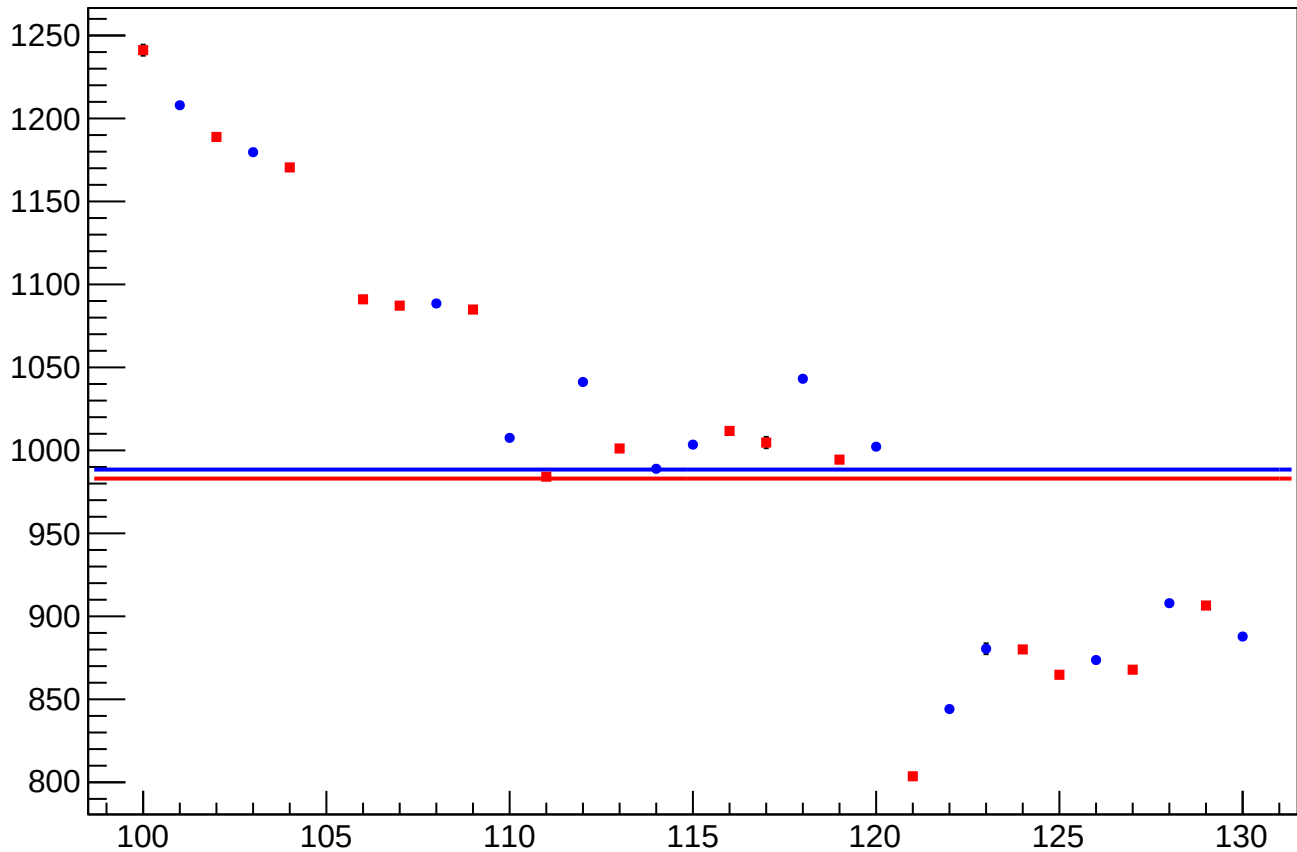
Right Out: 3.214 ± 0.415 χ^2/NDF : 232.0/15

Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

-3.266 ± 0.432 χ^2/NDF : 205.8/13

3.214 ± 0.415 χ^2/NDF : 232.0/15

diff_bpm0l10Y_rms vs Slug



Right In: 988.442 $\pm$ 0.305 χ^2 /NDF: 140027.3/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

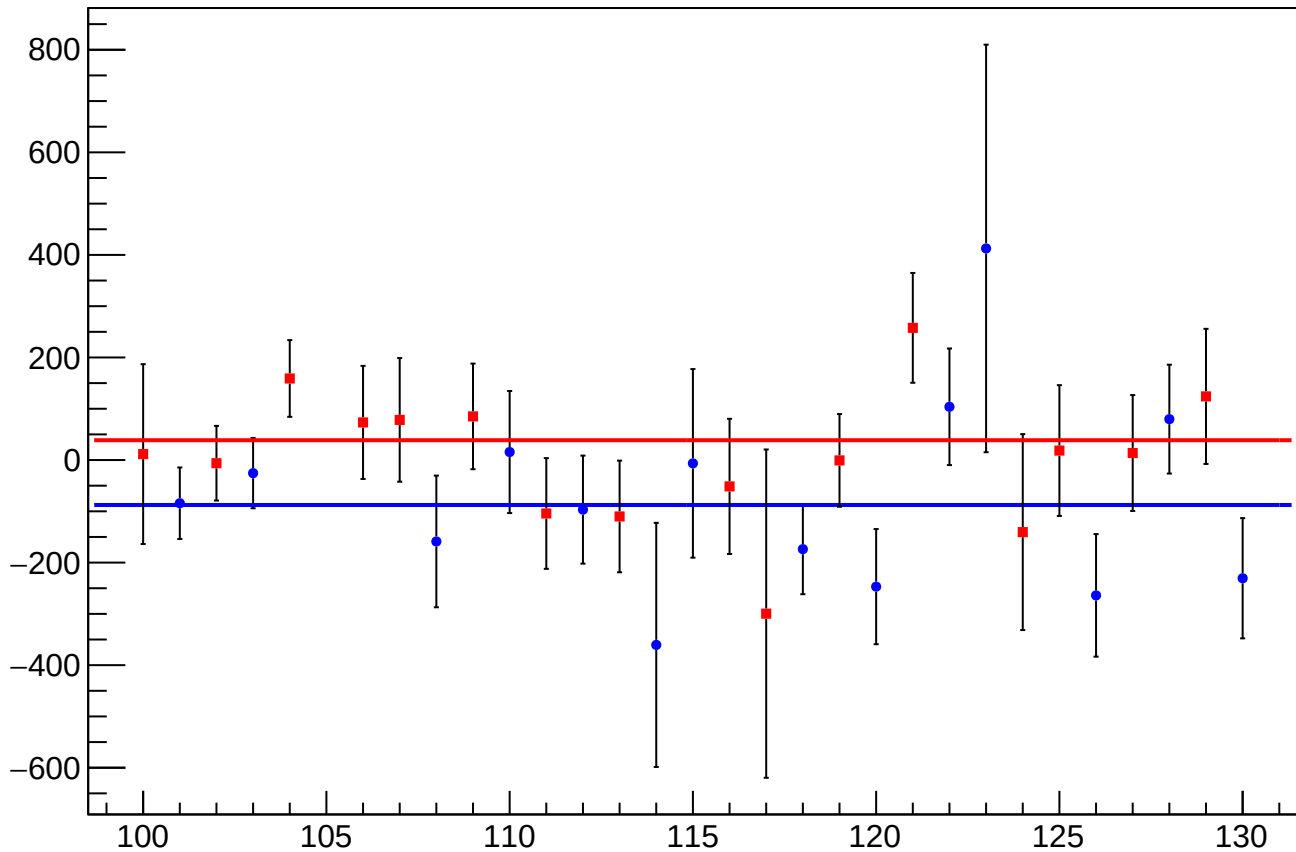
Right Out: 983.008 $\pm$ 0.293 χ^2 /NDF: 163131.1/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

988.442 $\pm$ 0.305 χ^2 /NDF: 140027.3/13

983.008 $\pm$ 0.293 χ^2 /NDF: 163131.1/15

diff_bpm0r03X_mean vs Slug



Right In: -87.640 $\pm$ 28.731 χ^2 /NDF: 16.9/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

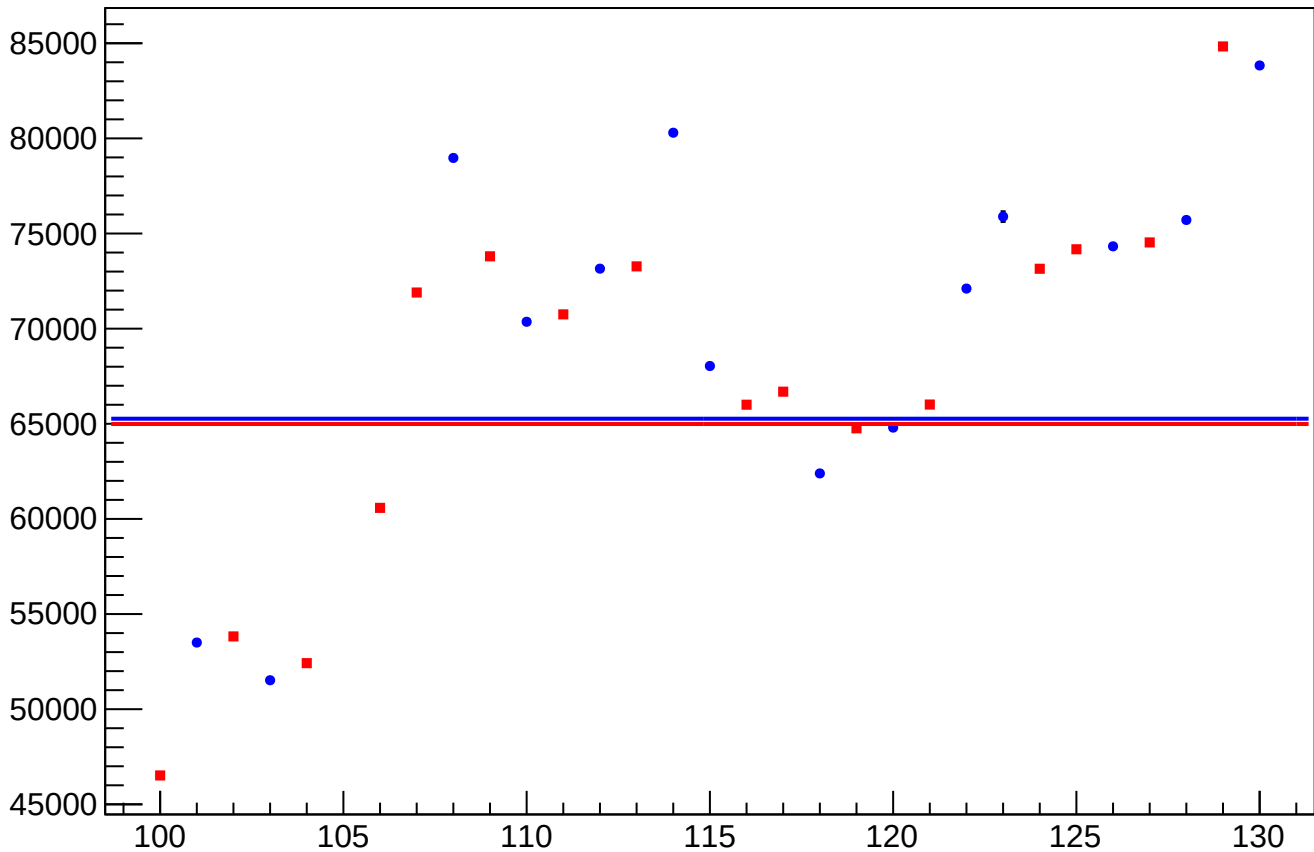
Right Out: 38.622 $\pm$ 27.551 χ^2 /NDF: 14.4/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

-87.640 $\pm$ 28.731 χ^2 /NDF: 16.9/13

38.622 $\pm$ 27.551 χ^2 /NDF: 14.4/15

diff_bpm0r03X_rms vs Slug



Right In: 65266.579+/-20.316 χ^2/NDF : 275434.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

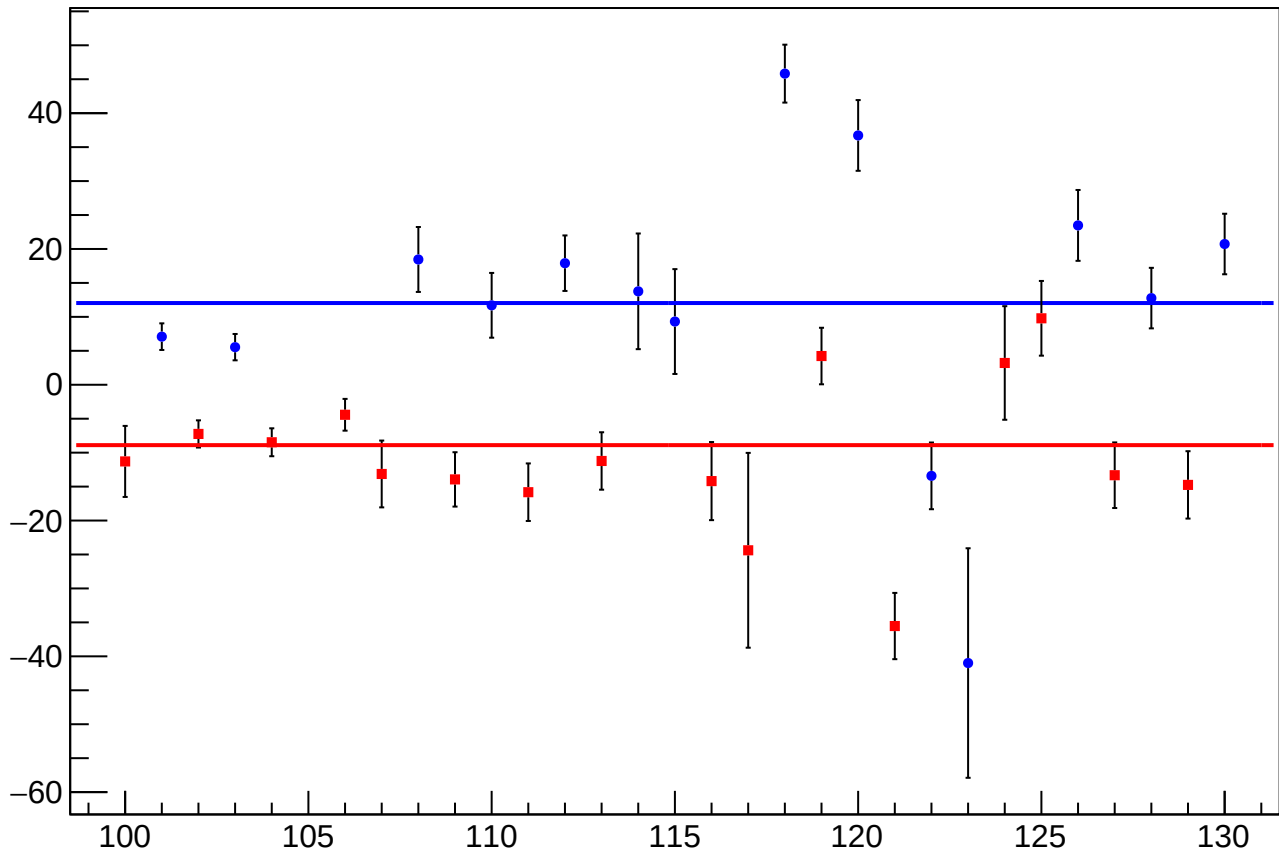
65266.579+/-20.316 χ^2/NDF : 275434.8/13

Right Out: 64988.292+/-19.481 χ^2/NDF : 241434.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

64988.292+/-19.481 χ^2/NDF : 241434.5/15

diff_bpm0r03Y_mean vs Slug



Right In: 12.037+/-1.011 χ^2/NDF : 152.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

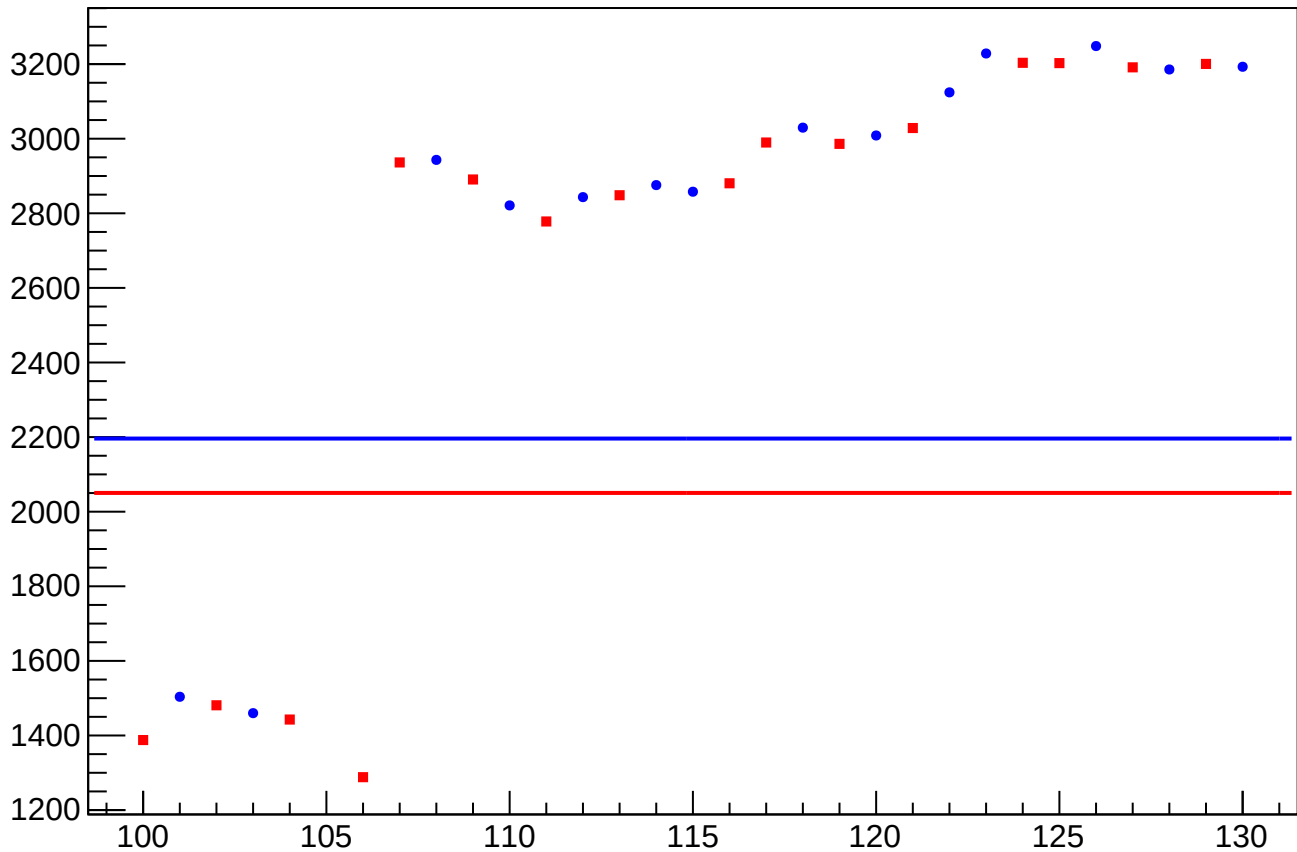
Right Out: -8.893+/-0.918 χ^2/NDF : 67.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

12.037+/-1.011 χ^2/NDF : 152.2/13

-8.893+/-0.918 χ^2/NDF : 67.5/15

diff_bpm0r03Y_rms vs Slug



Right In: 2196.093+/-0.715 χ^2/NDF : 1181975.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

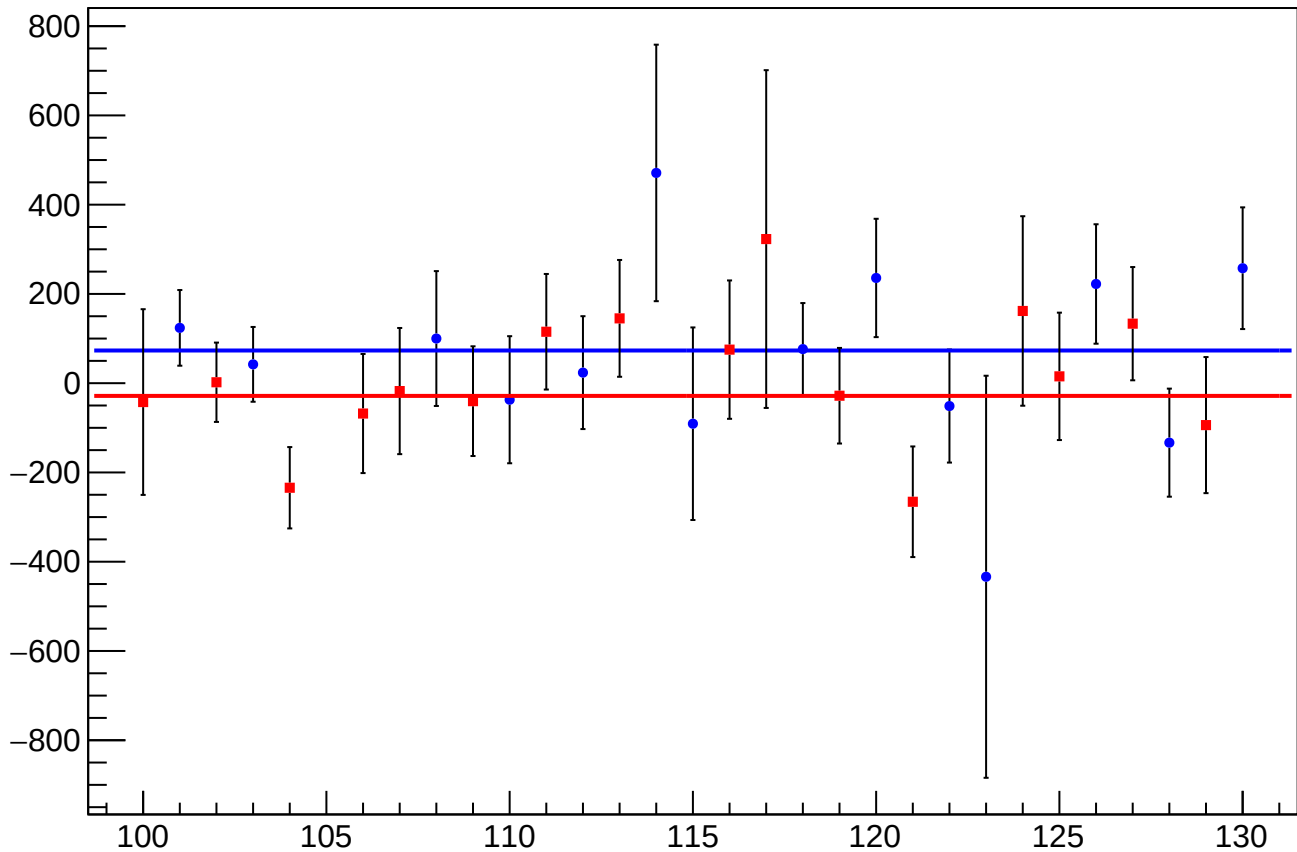
2196.093+/-0.715 χ^2/NDF : 1181975.8/13

Right Out: 2050.288+/-0.649 χ^2/NDF : 1440177.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

2050.288+/-0.649 χ^2/NDF : 1440177.0/15

diff_bpm0r05X_mean vs Slug



Right In: 73.244+/-33.964 χ^2/NDF : 13.5/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

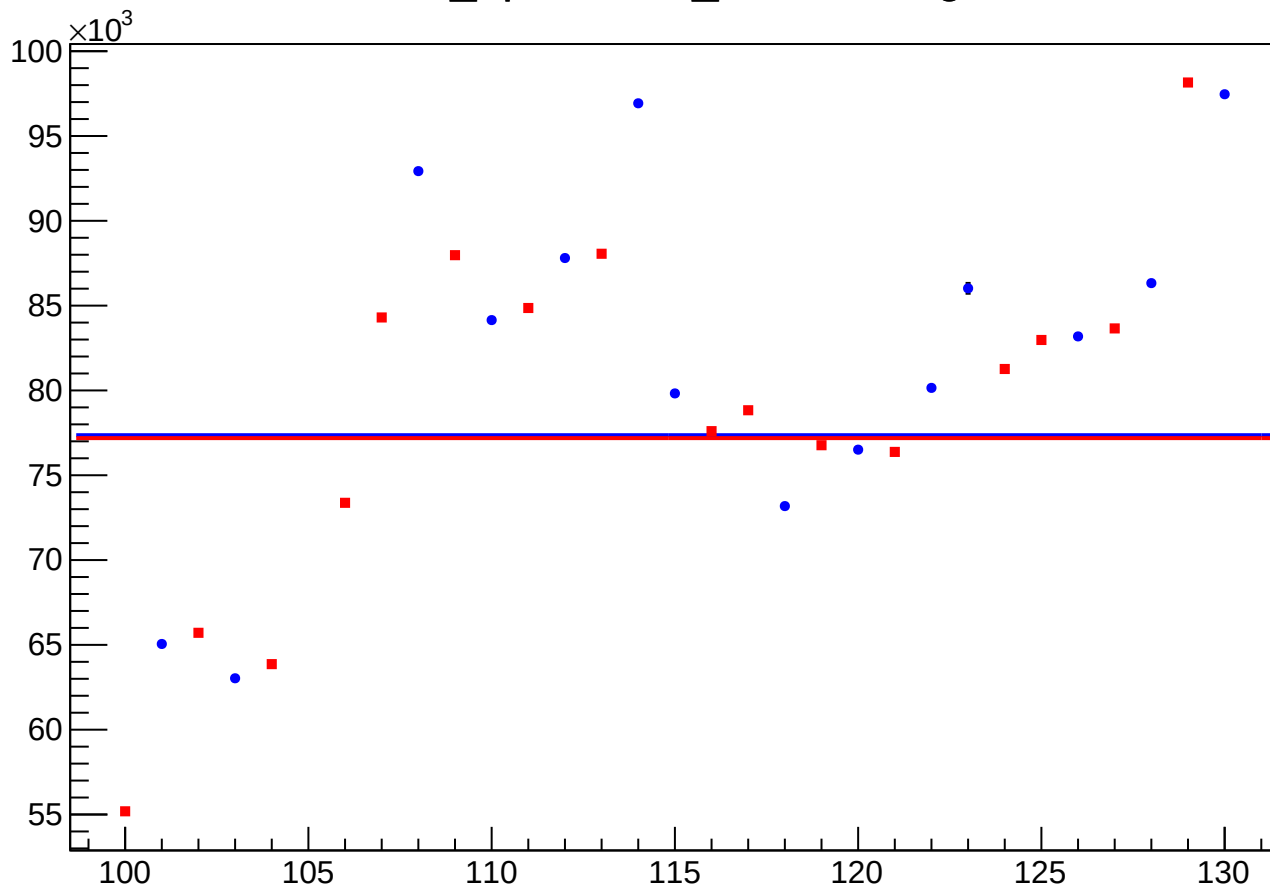
Right Out: -28.479+/-32.654 χ^2/NDF : 16.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

73.244+/-33.964 χ^2/NDF : 13.5/13

-28.479+/-32.654 χ^2/NDF : 16.0/15

diff_bpm0r05X_rms vs Slug



Right In: 77361.092 $\pm$ 24.016 χ^2/NDF : 212895.6/13

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

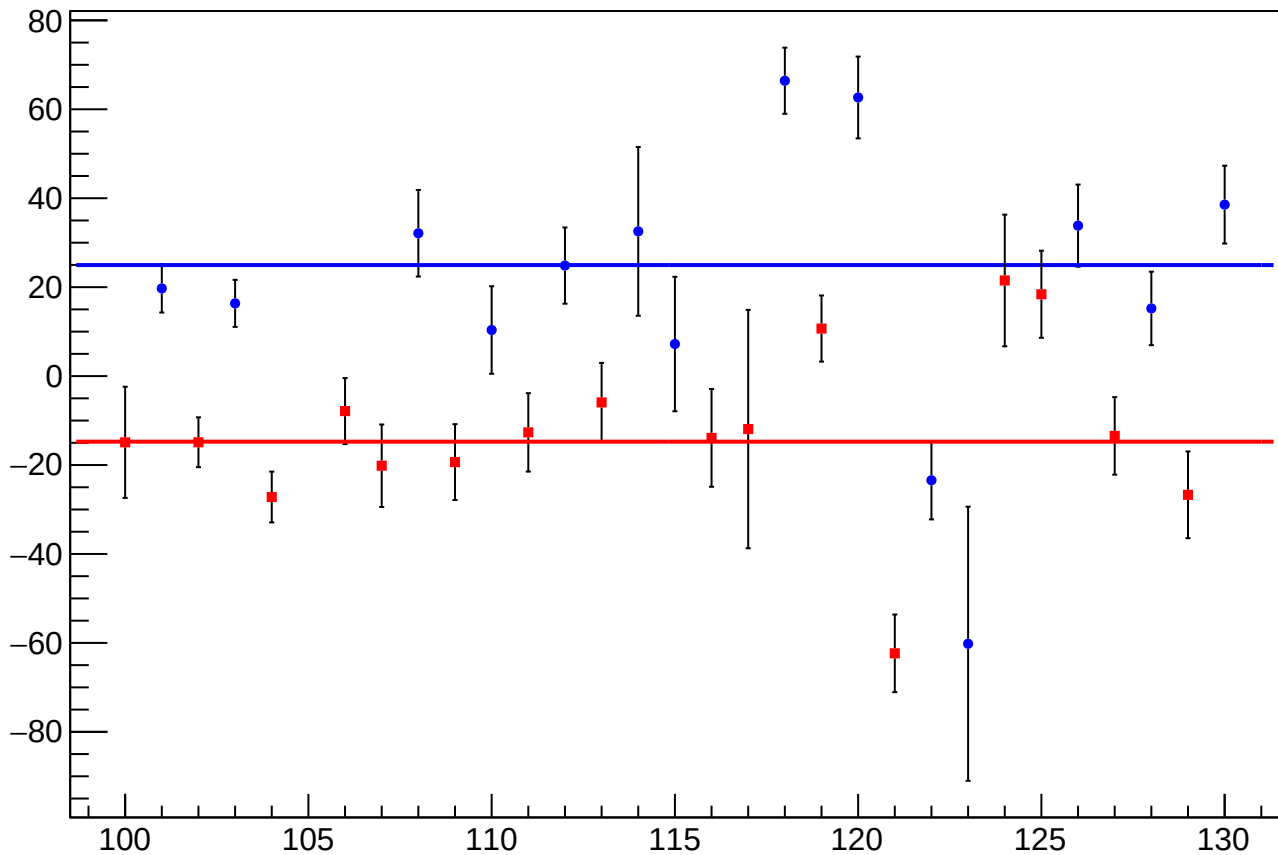
Right Out: 77188.945 $\pm$ 23.090 χ^2/NDF : 188586.5/15

Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

77361.092 $\pm$ 24.016 χ^2/NDF : 212895.6/13

77188.945 $\pm$ 23.090 χ^2/NDF : 188586.5/15

diff_bpm0r05Y_mean vs Slug



Right In: 24.967 $\pm$ 2.266 χ^2 /NDF: 98.3/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

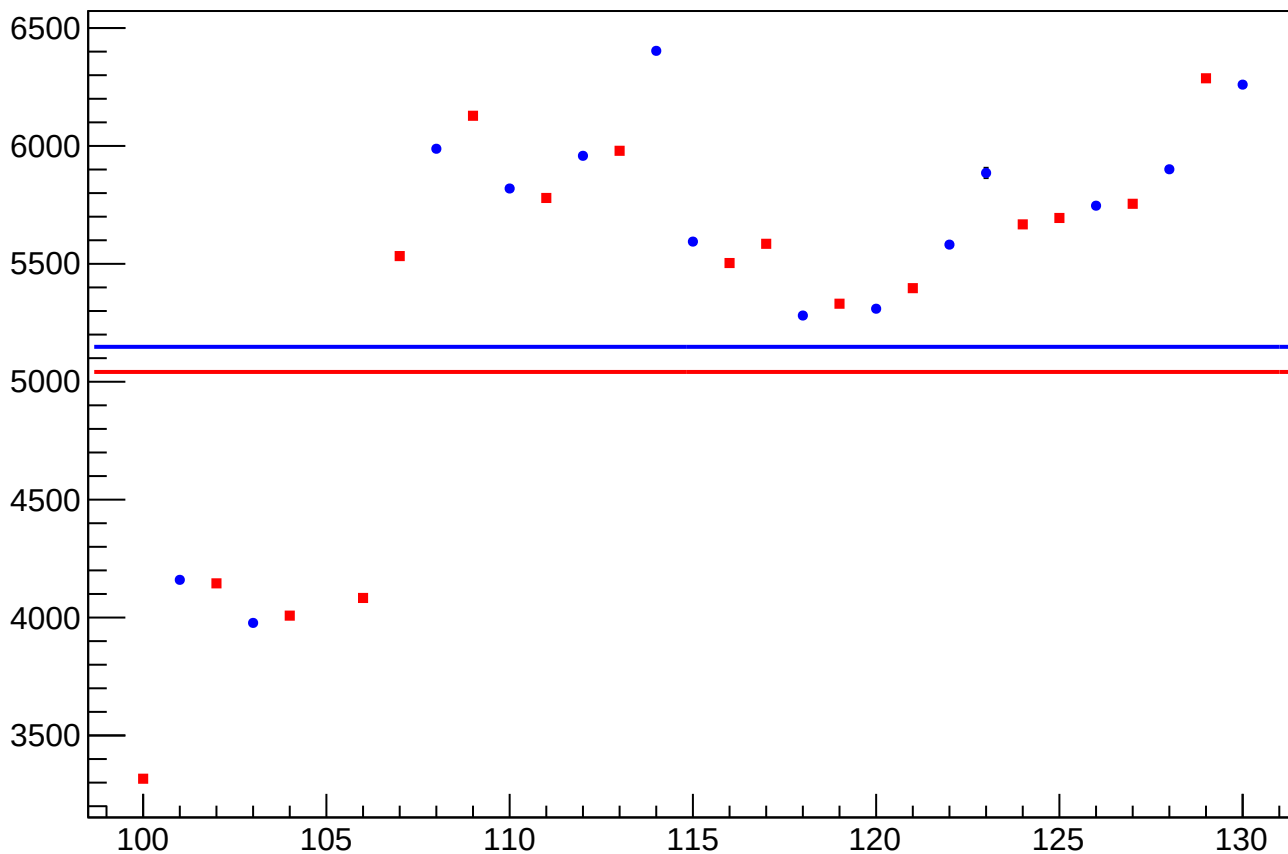
Right Out: -14.744 $\pm$ 2.144 χ^2 /NDF: 67.7/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

24.967 $\pm$ 2.266 χ^2 /NDF: 98.3/13

-14.744 $\pm$ 2.144 χ^2 /NDF: 67.7/15

diff_bpm0r05Y_rms vs Slug



Right In: 5148.062 $\pm$ 1.602 χ^2 /NDF: 281626.7/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

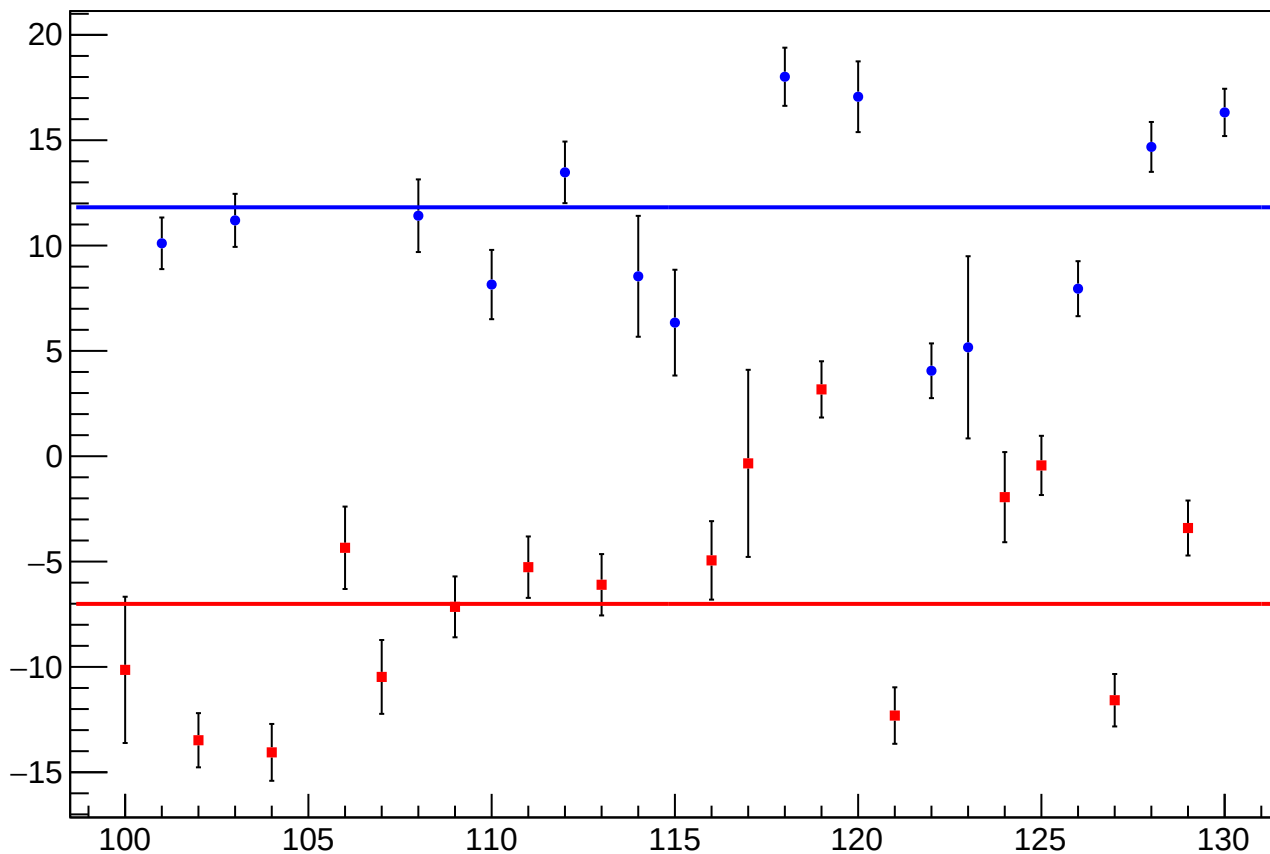
Right Out: 5041.571 $\pm$ 1.516 χ^2 /NDF: 331529.8/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

5148.062 $\pm$ 1.602 χ^2 /NDF: 281626.7/13

5041.571 $\pm$ 1.516 χ^2 /NDF: 331529.8/15

diff_bpm2i01X_mean vs Slug



Right In: 11.816+/-0.396 χ^2/NDF : 113.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

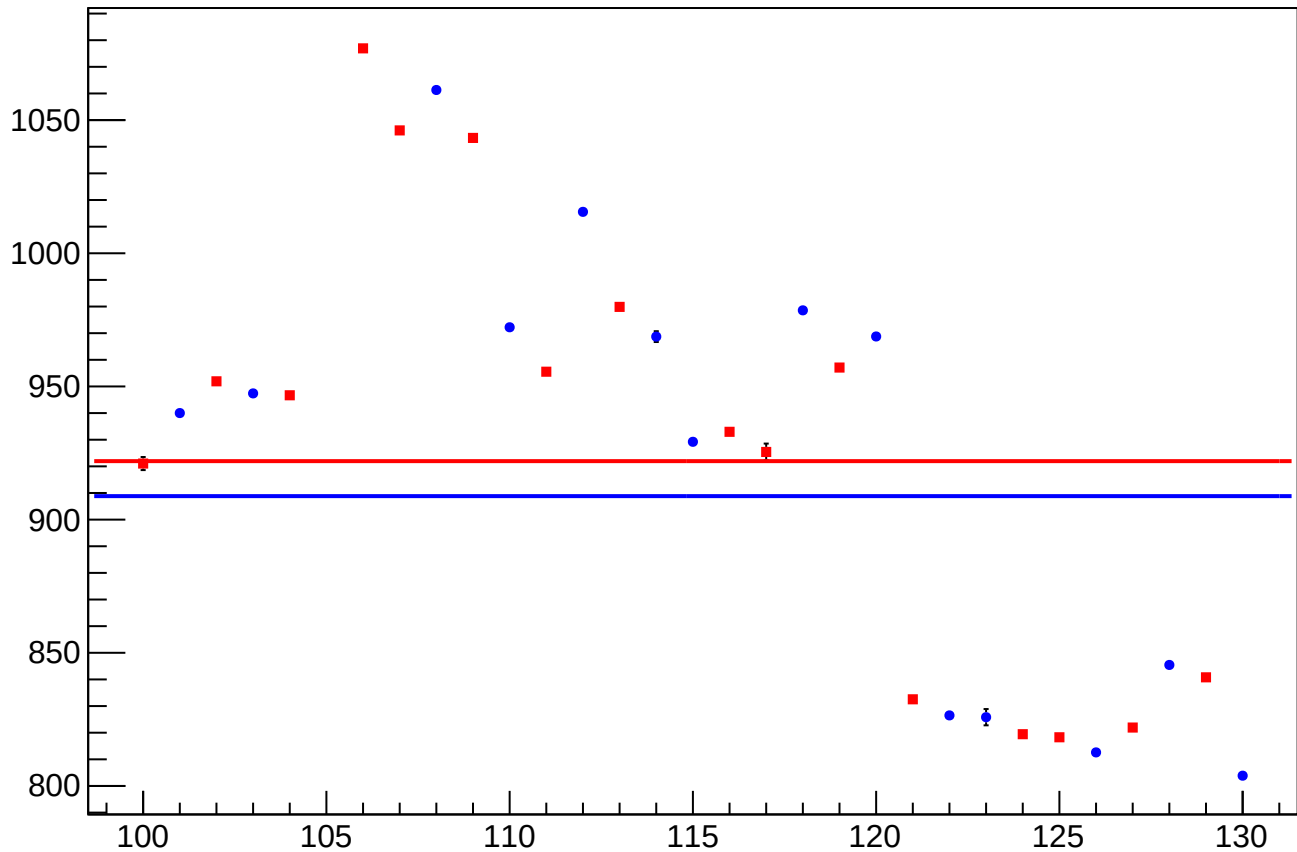
Right Out: -7.009+/-0.388 χ^2/NDF : 186.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

11.816+/-0.396 χ^2/NDF : 113.2/13

-7.009+/-0.388 χ^2/NDF : 186.9/15

diff_bpm2i01X_rms vs Slug



Right In: 908.820 $\pm$ 0.280 χ^2 /NDF: 83964.0/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

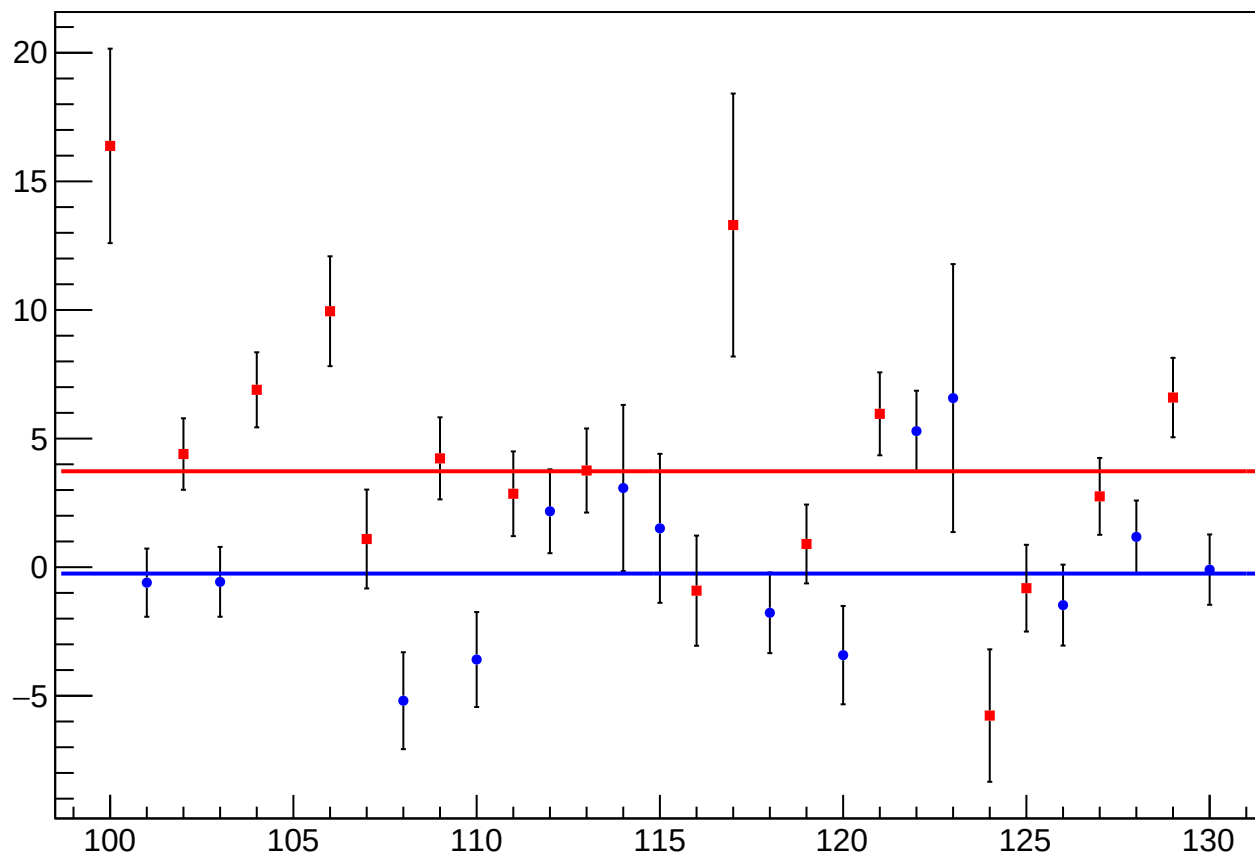
Right Out: 921.959 $\pm$ 0.274 χ^2 /NDF: 89166.4/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

908.820 $\pm$ 0.280 χ^2 /NDF: 83964.0/13

921.959 $\pm$ 0.274 χ^2 /NDF: 89166.4/15

diff_bpm2i01Y_mean vs Slug



Right In: -0.248 ± 0.455 χ^2/NDF : 33.4/13

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

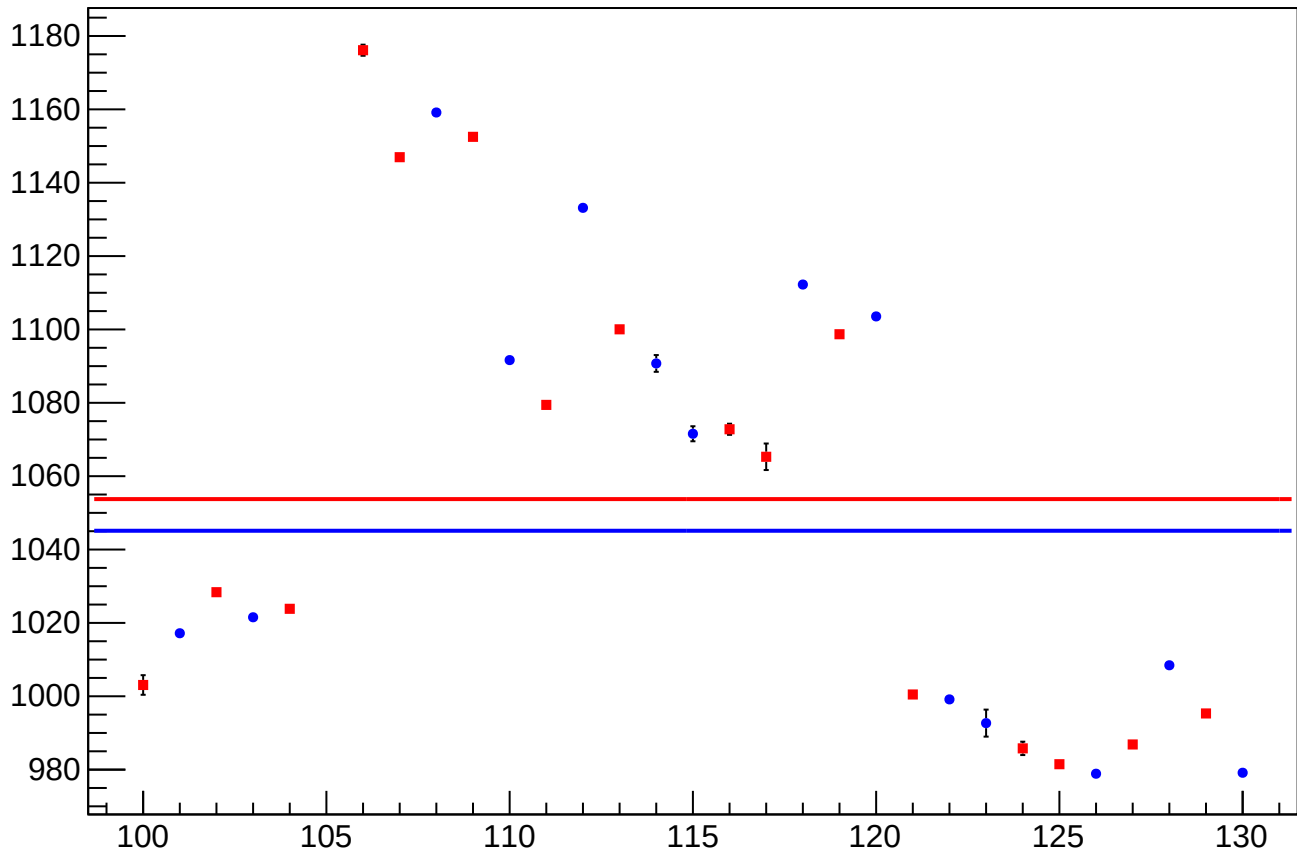
Right Out: 3.729 ± 0.442 χ^2/NDF : 65.2/15

Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

-0.248 ± 0.455 χ^2/NDF : 33.4/13

3.729 ± 0.442 χ^2/NDF : 65.2/15

diff_bpm2i01Y_rms vs Slug



Right In: 1045.122+/-0.321 χ^2/NDF : 33484.6/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

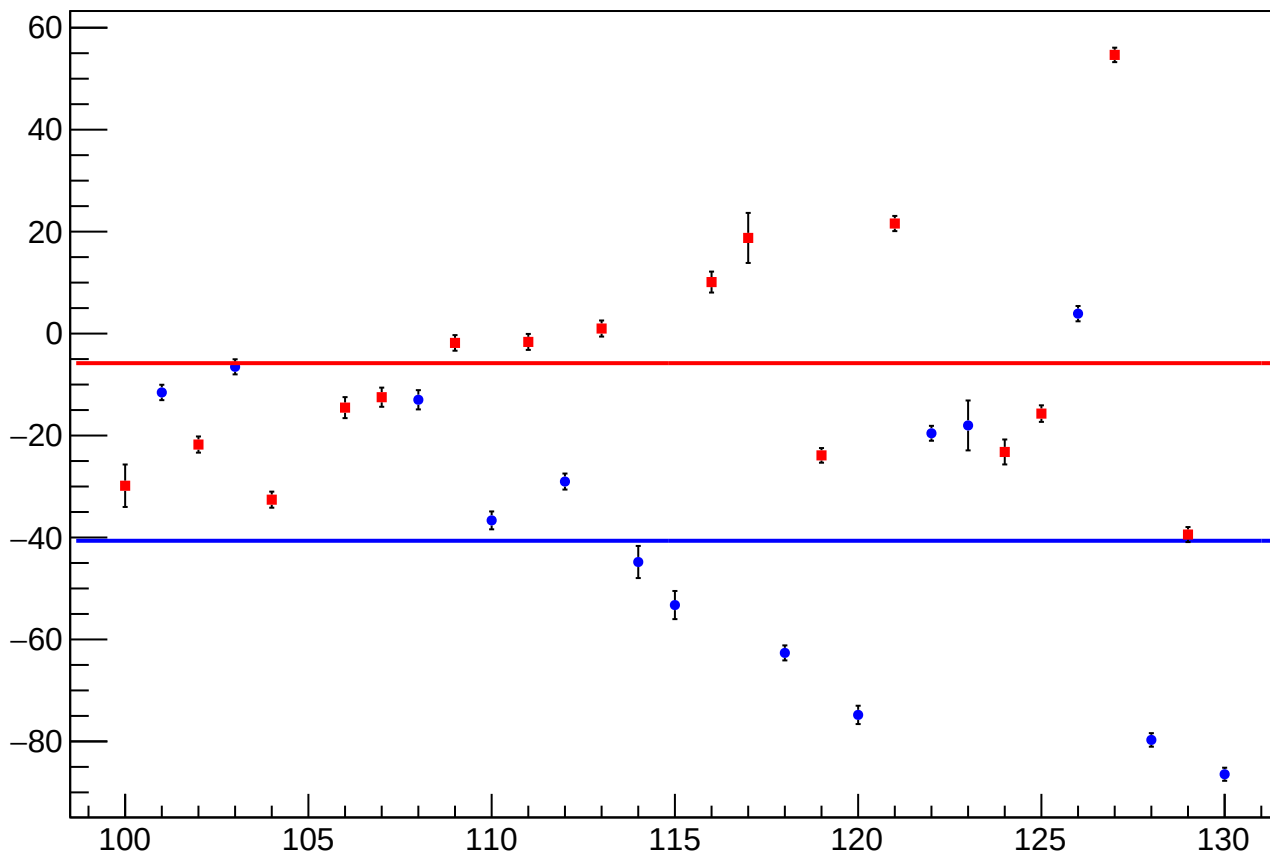
Right Out: 1053.752+/-0.313 χ^2/NDF : 38891.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1045.122+/-0.321 χ^2/NDF : 33484.6/13

1053.752+/-0.313 χ^2/NDF : 38891.5/15

diff_bpm2i02X_mean vs Slug



Right In: -40.643 ± 0.446 χ^2/NDF : 5028.1/13

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

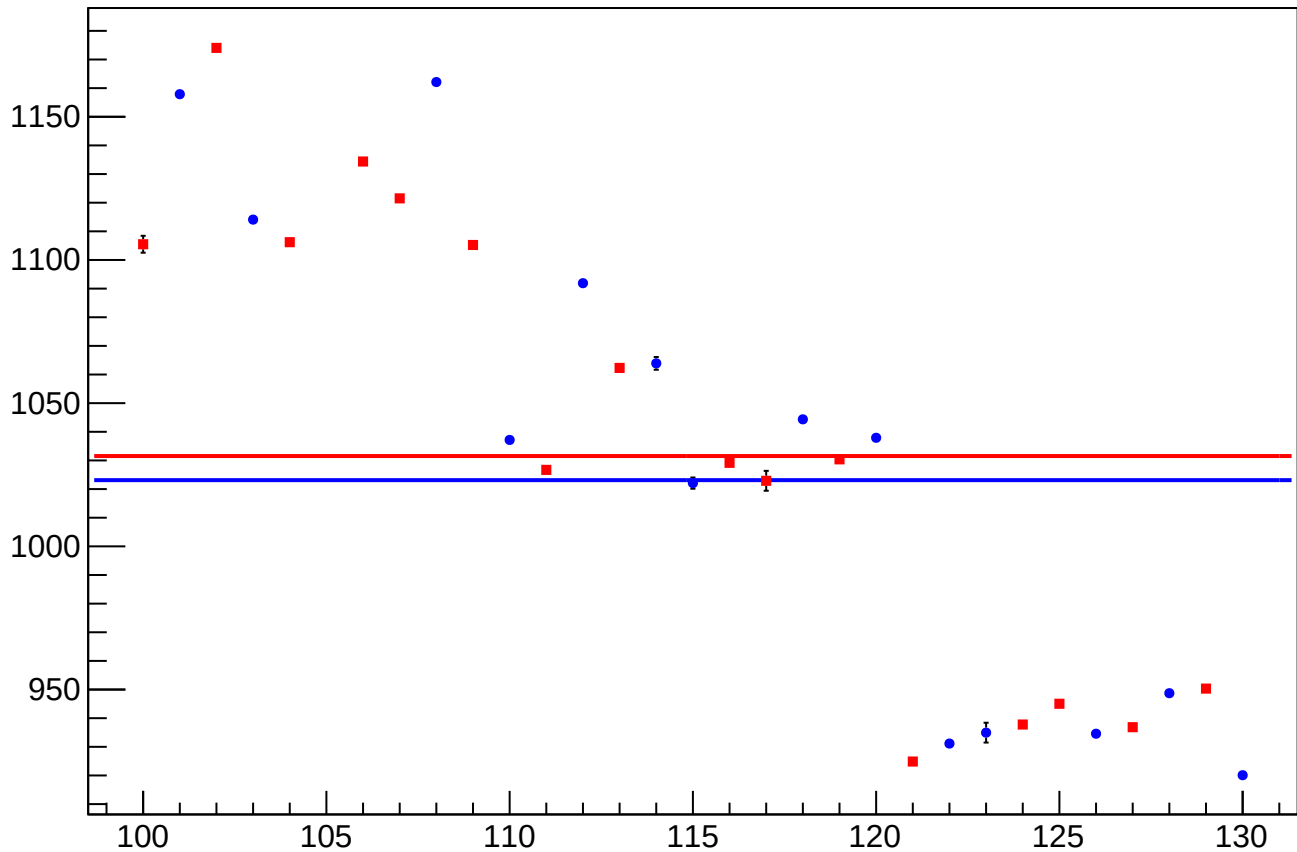
Right Out: -5.802 ± 0.433 χ^2/NDF : 3492.6/15

Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

-40.643 ± 0.446 χ^2/NDF : 5028.1/13

-5.802 ± 0.433 χ^2/NDF : 3492.6/15

diff_bpm2i02X_rms vs Slug



Right In: 1023.115 $\pm$ 0.315 χ^2 /NDF: 73825.0/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

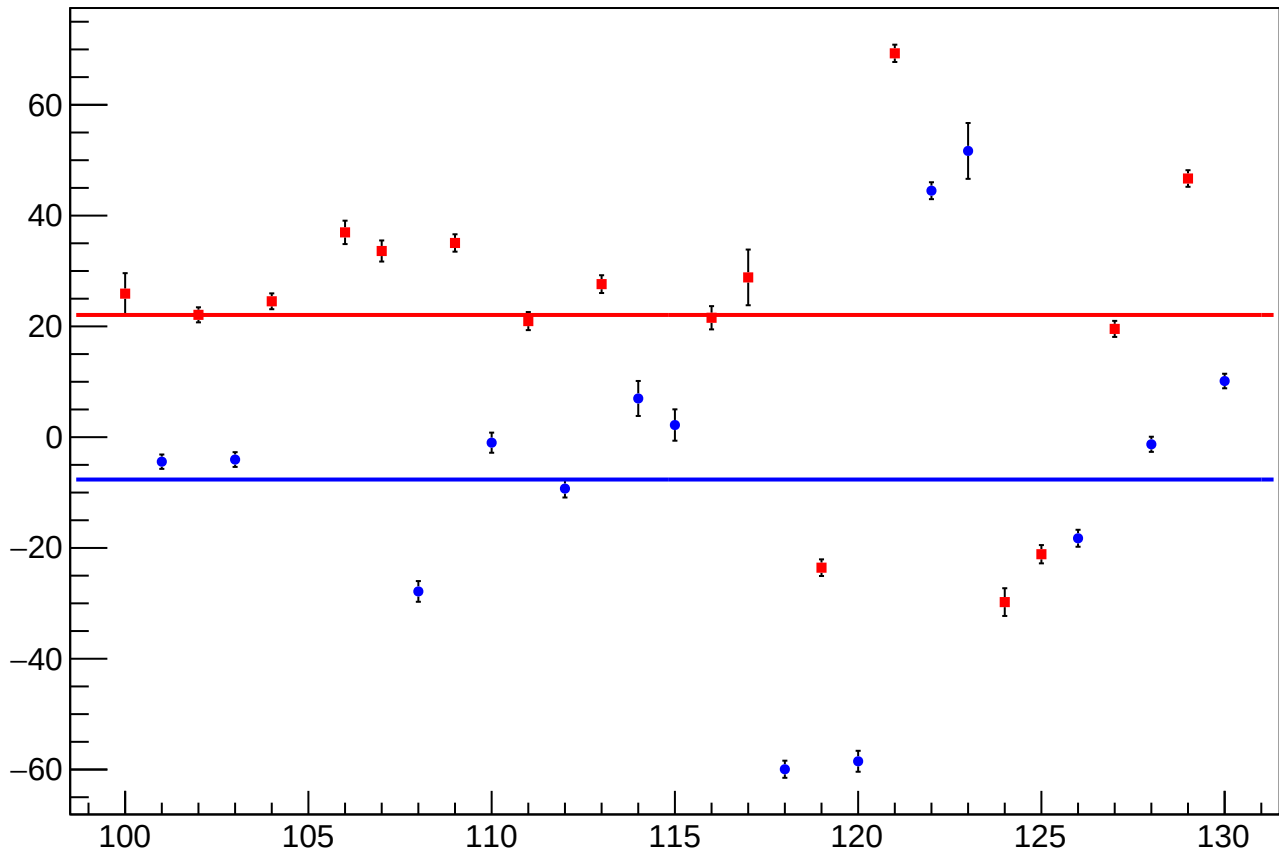
Right Out: 1031.536 $\pm$ 0.306 χ^2 /NDF: 70083.5/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

1023.115 $\pm$ 0.315 χ^2 /NDF: 73825.0/13

1031.536 $\pm$ 0.306 χ^2 /NDF: 70083.5/15

diff_bpm2i02Y_mean vs Slug



Right In: -7.647 ± 0.444 χ^2/NDF : 3606.5/13

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

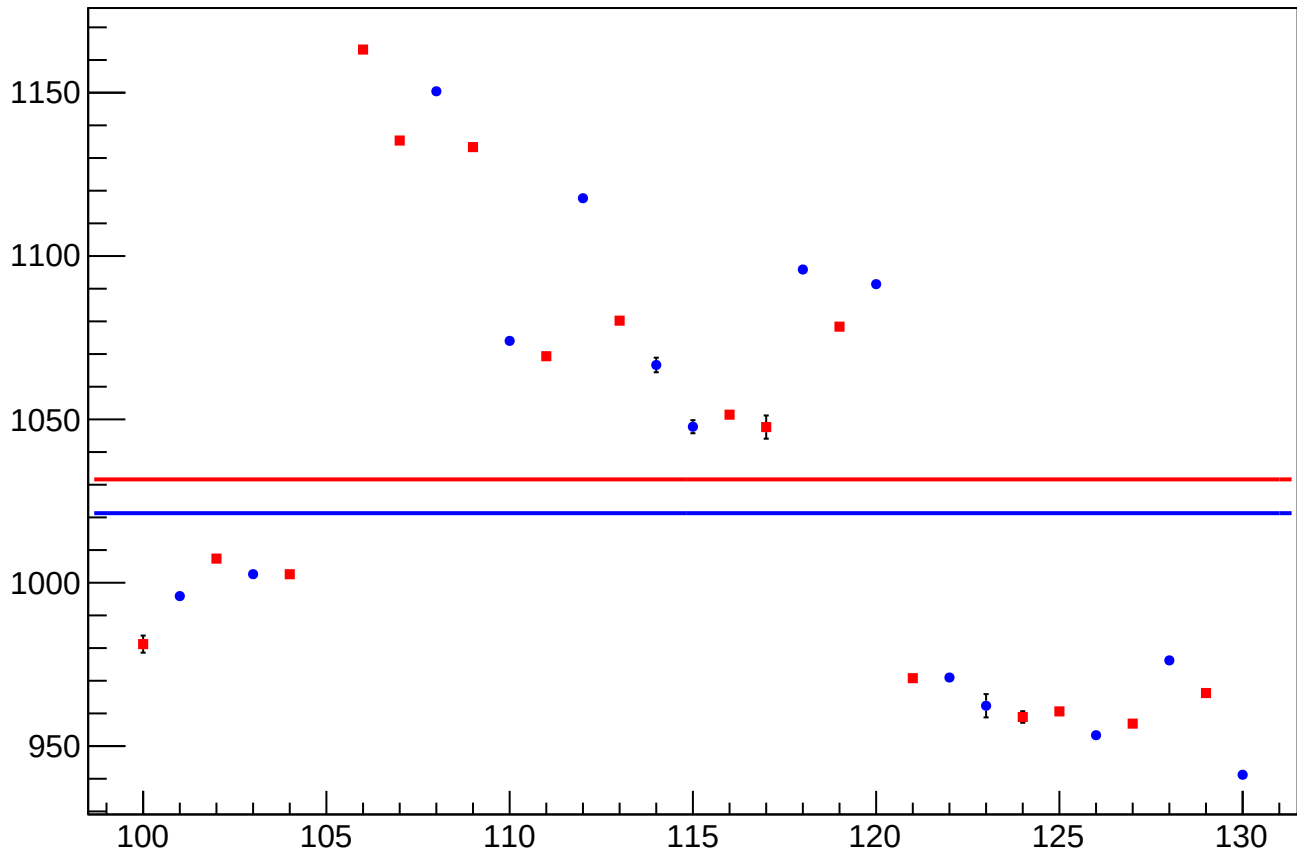
Right Out: 22.063 ± 0.433 χ^2/NDF : 3393.4/15

Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

-7.647 ± 0.444 χ^2/NDF : 3606.5/13

22.063 ± 0.433 χ^2/NDF : 3393.4/15

diff_bpm2i02Y_rms vs Slug



Right In: 1021.291+/-0.314 χ^2/NDF : 43556.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

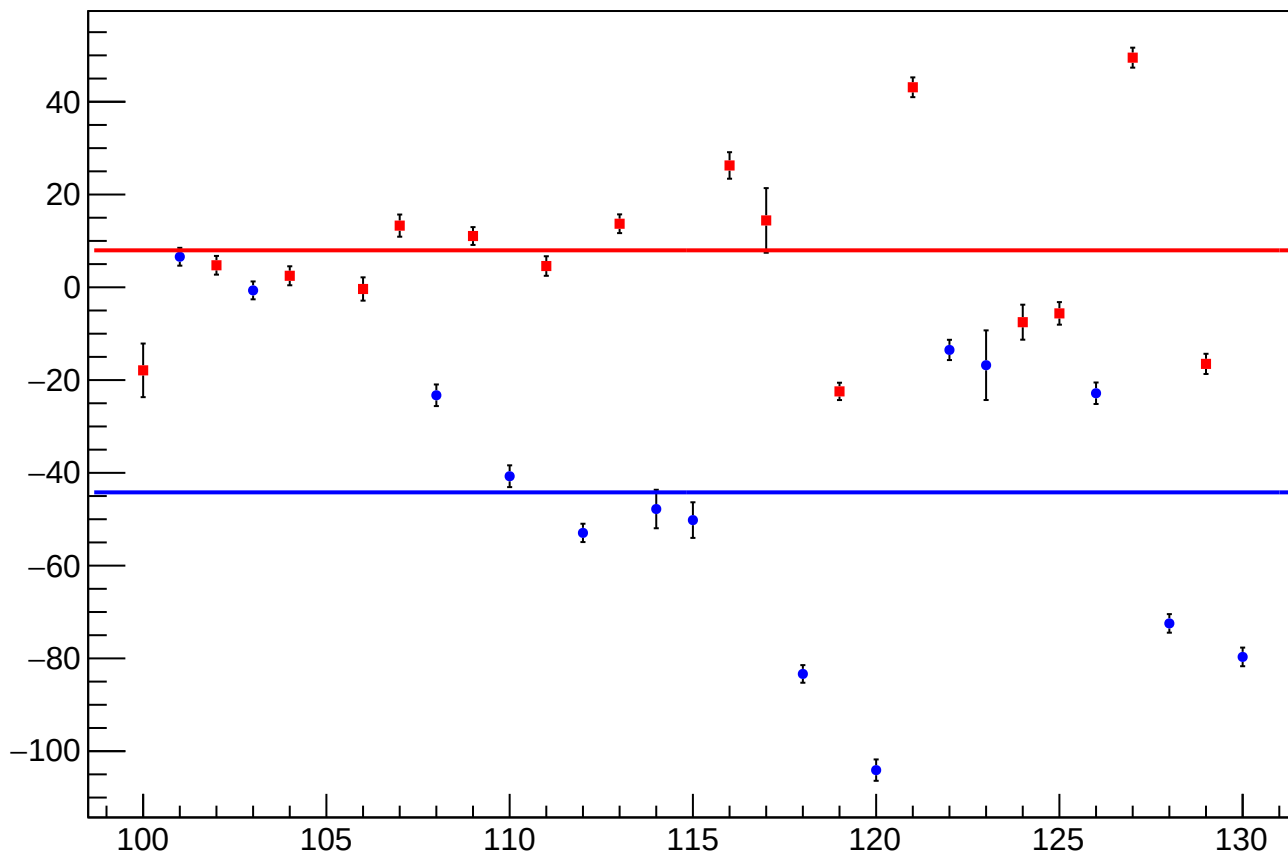
Right Out: 1031.634+/-0.306 χ^2/NDF : 46520.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1021.291+/-0.314 χ^2/NDF : 43556.7/13

1031.634+/-0.306 χ^2/NDF : 46520.0/15

diff_bpm0i02X_mean vs Slug



Right In: -44.206 ± 0.613 χ^2/NDF : 3221.1/13

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

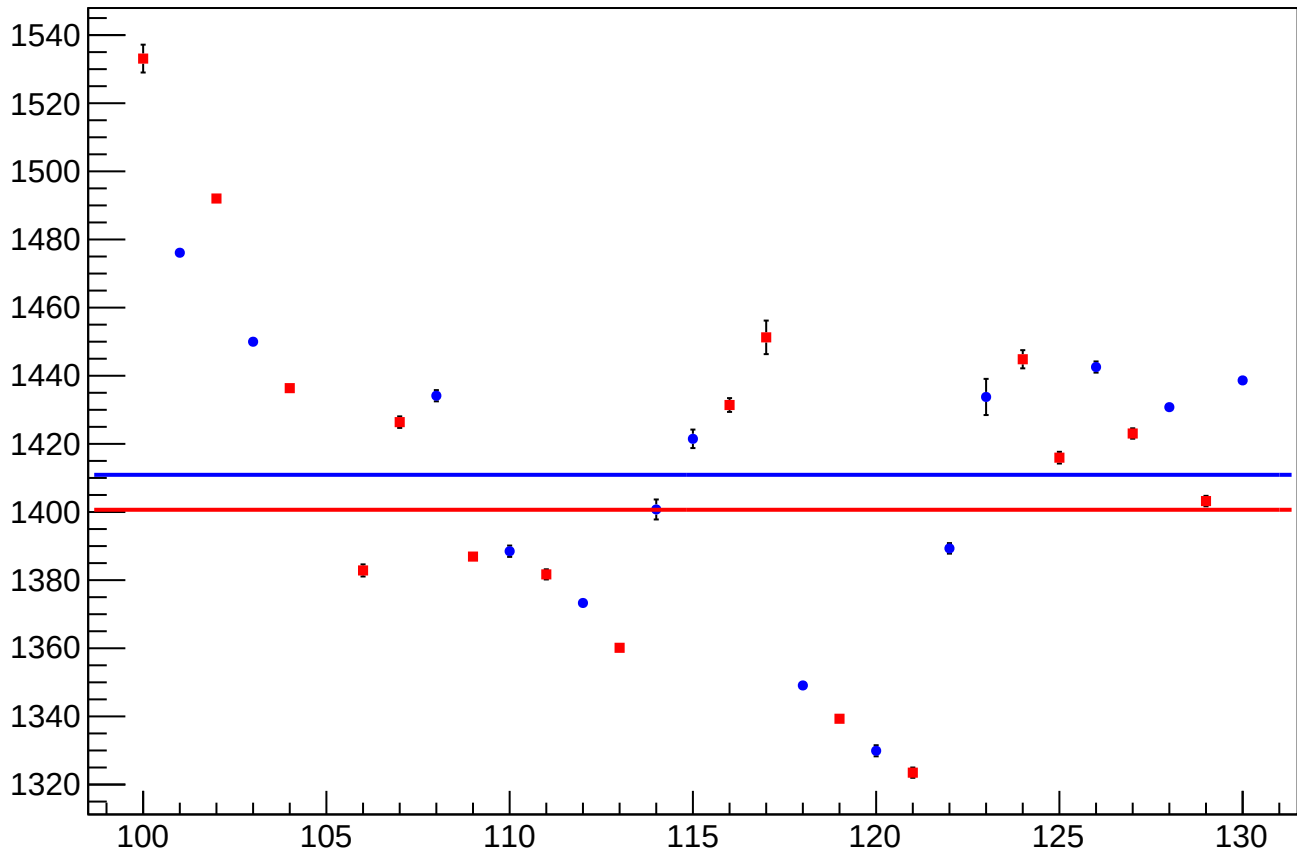
Right Out: 7.970 ± 0.587 χ^2/NDF : 1184.4/15

Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

-44.206 ± 0.613 χ^2/NDF : 3221.1/13

7.970 ± 0.587 χ^2/NDF : 1184.4/15

diff_bpm0i02X_rms vs Slug



Right In: 1410.918+/-0.433 χ^2/NDF : 10012.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

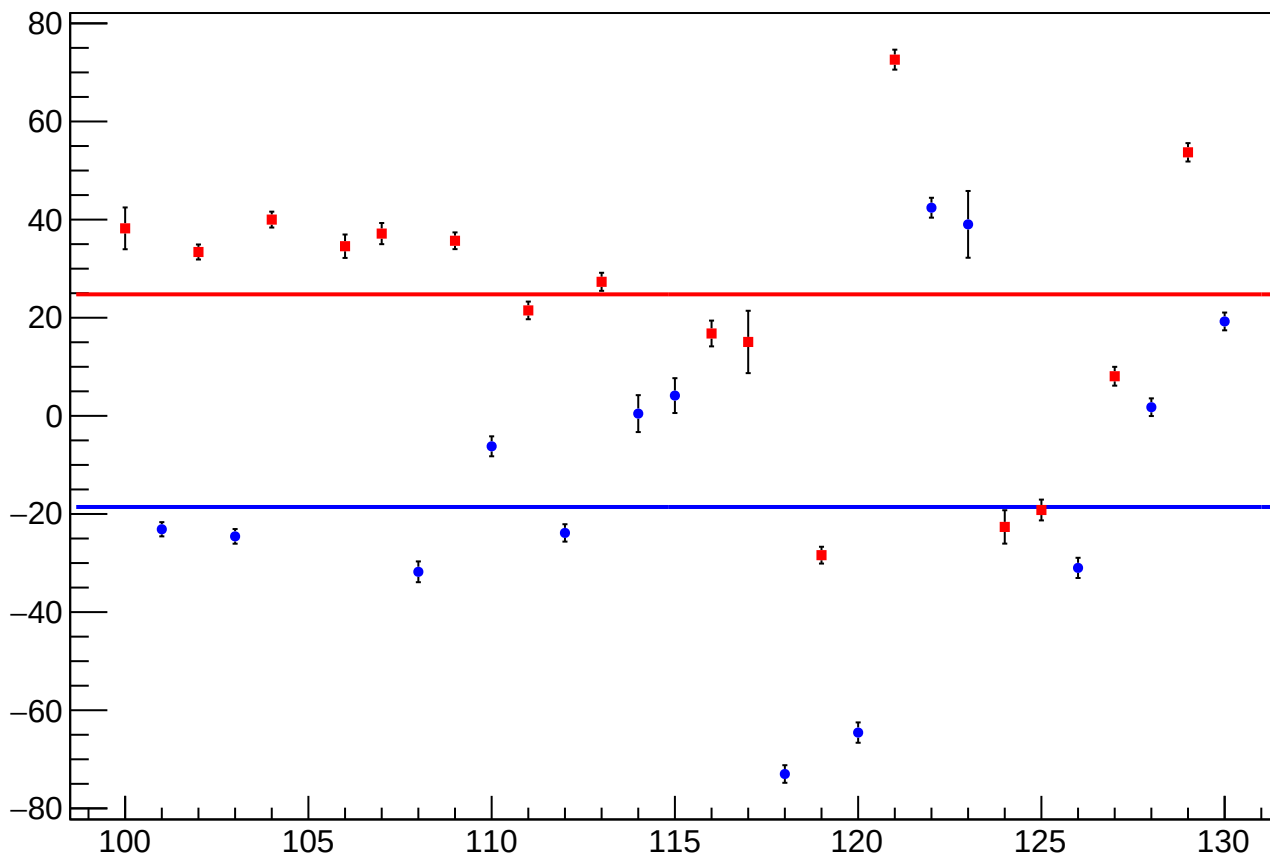
Right Out: 1400.657+/-0.415 χ^2/NDF : 12854.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1410.918+/-0.433 χ^2/NDF : 10012.8/13

1400.657+/-0.415 χ^2/NDF : 12854.9/15

diff_bpm0i02Y_mean vs Slug



Right In: -18.574 ± 0.534 χ^2/NDF : 3168.2/13

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

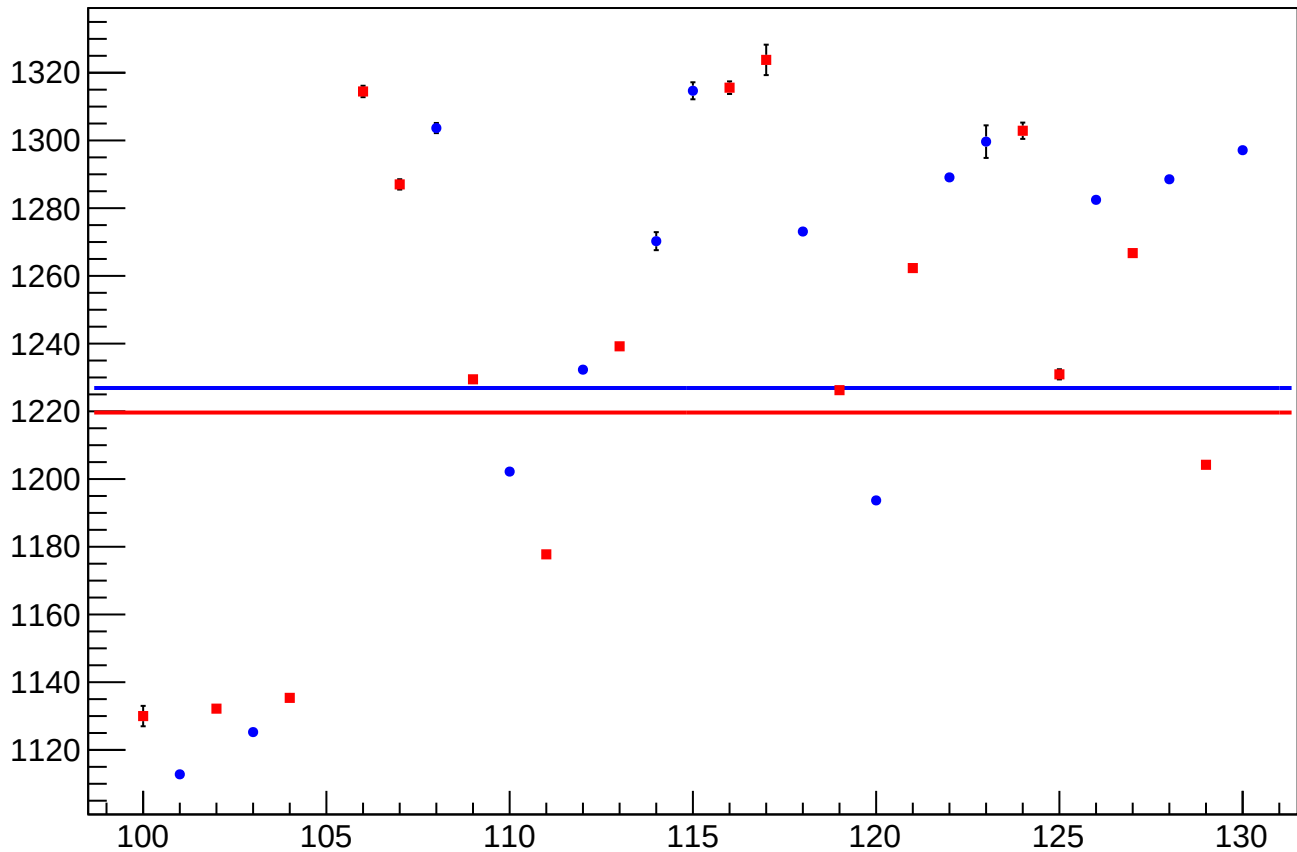
Right Out: 24.767 ± 0.512 χ^2/NDF : 2692.7/15

Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

-18.574 ± 0.534 χ^2/NDF : 3168.2/13

24.767 ± 0.512 χ^2/NDF : 2692.7/15

diff_bpm0i02Y_rms vs Slug



Right In: 1226.889 $\pm$ 0.377 χ^2 /NDF: 36801.8/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

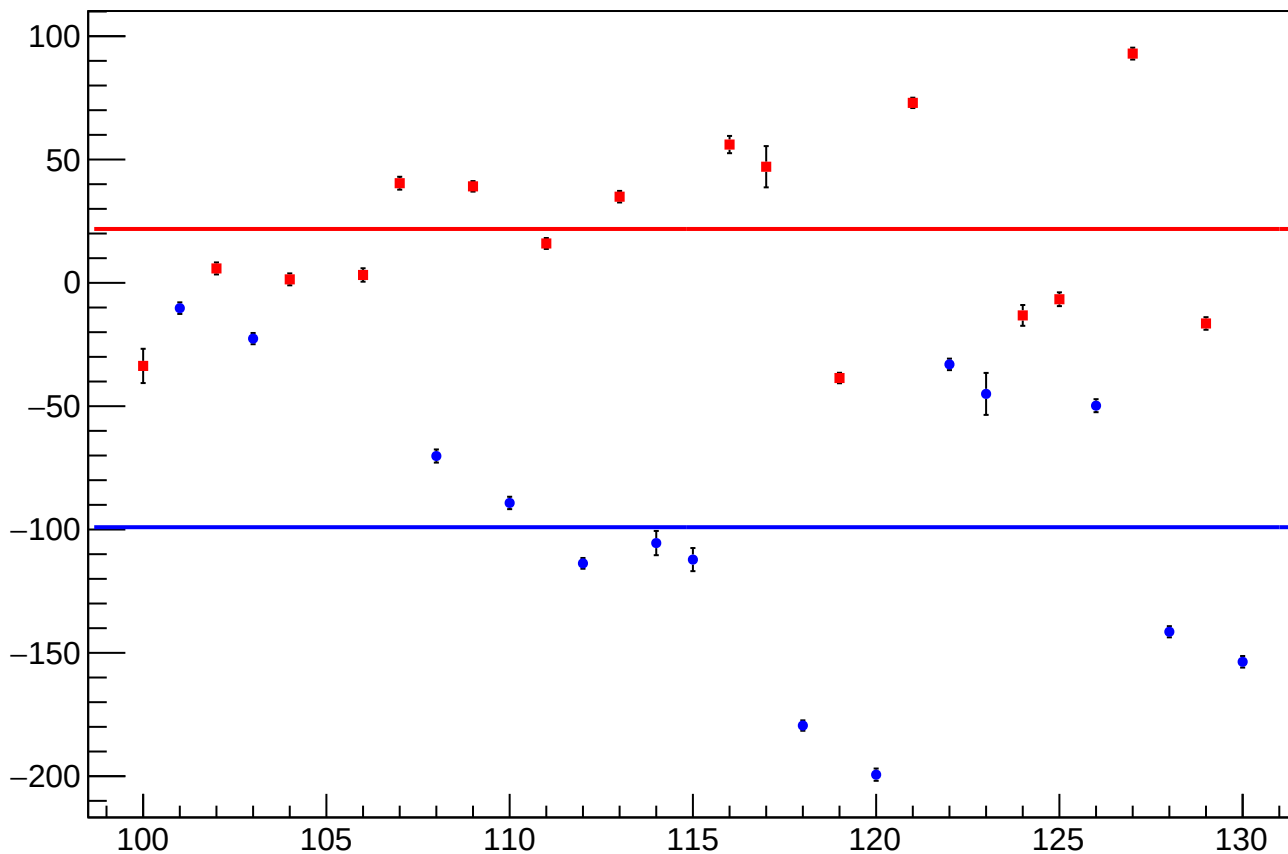
Right Out: 1219.642 $\pm$ 0.362 χ^2 /NDF: 26039.4/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

1226.889 $\pm$ 0.377 χ^2 /NDF: 36801.8/13

1219.642 $\pm$ 0.362 χ^2 /NDF: 26039.4/15

diff_bpm0i02aX_mean vs Slug



Right In: -99.060 $\pm$ 0.694 χ^2 /NDF: 7909.7/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

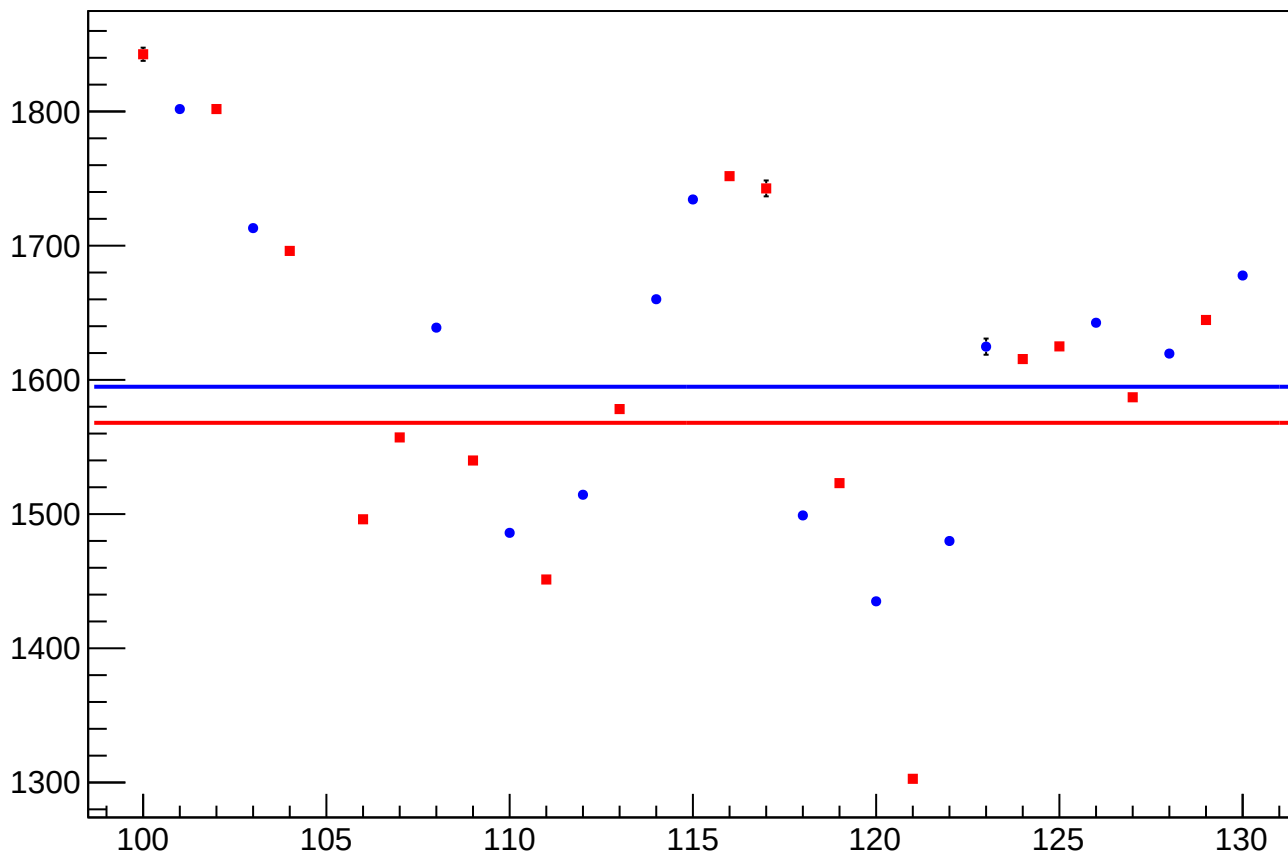
Right Out: 21.849 $\pm$ 0.659 χ^2 /NDF: 3160.8/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

-99.060 $\pm$ 0.694 χ^2 /NDF: 7909.7/13

21.849 $\pm$ 0.659 χ^2 /NDF: 3160.8/15

diff_bpm0i02aX_rms vs Slug



Right In: 1594.888 $\pm$ 0.491 χ^2 /NDF: 50759.7/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

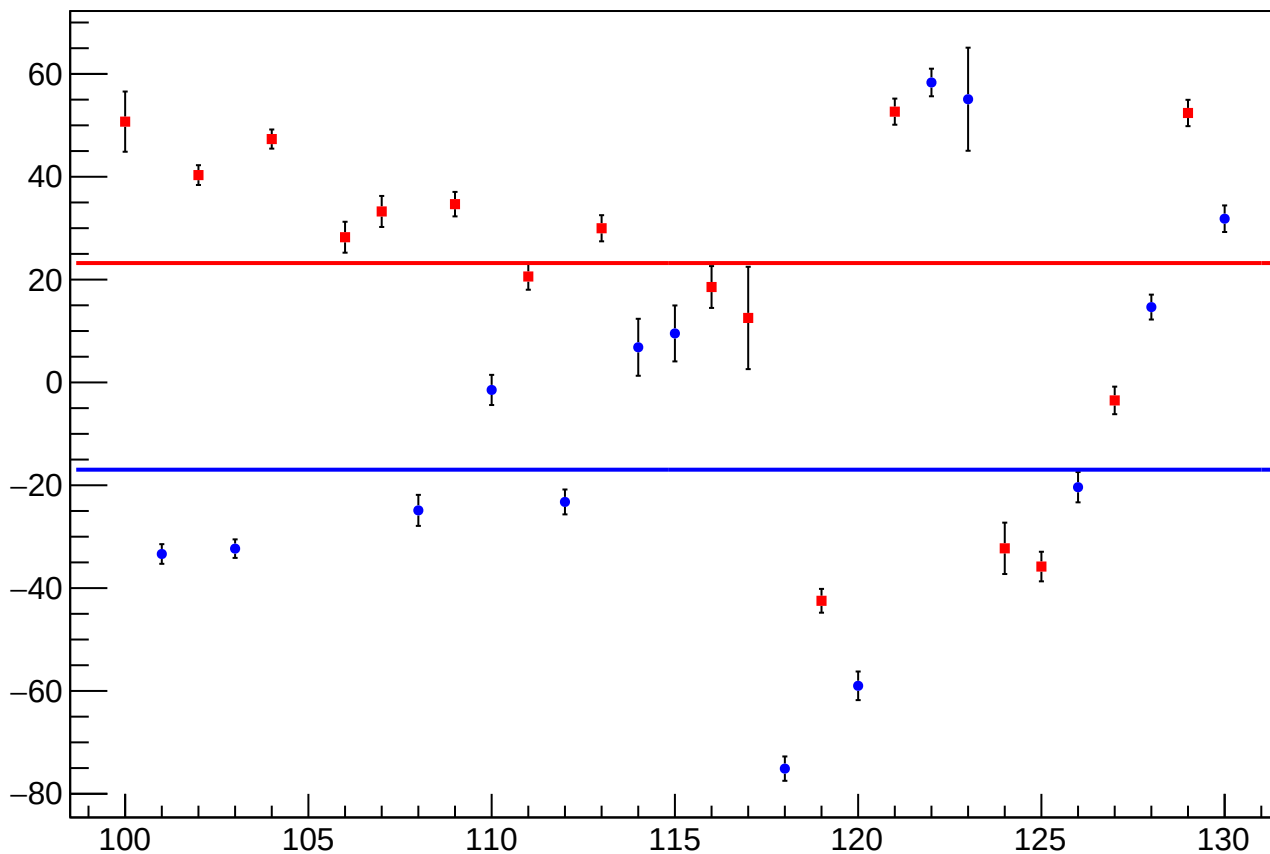
Right Out: 1568.006 $\pm$ 0.466 χ^2 /NDF: 76779.9/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

1594.888 $\pm$ 0.491 χ^2 /NDF: 50759.7/13

1568.006 $\pm$ 0.466 χ^2 /NDF: 76779.9/15

diff_bpm0i02aY_mean vs Slug



Right In: -16.969 $\pm$ 0.719 χ^2 /NDF: 2429.1/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

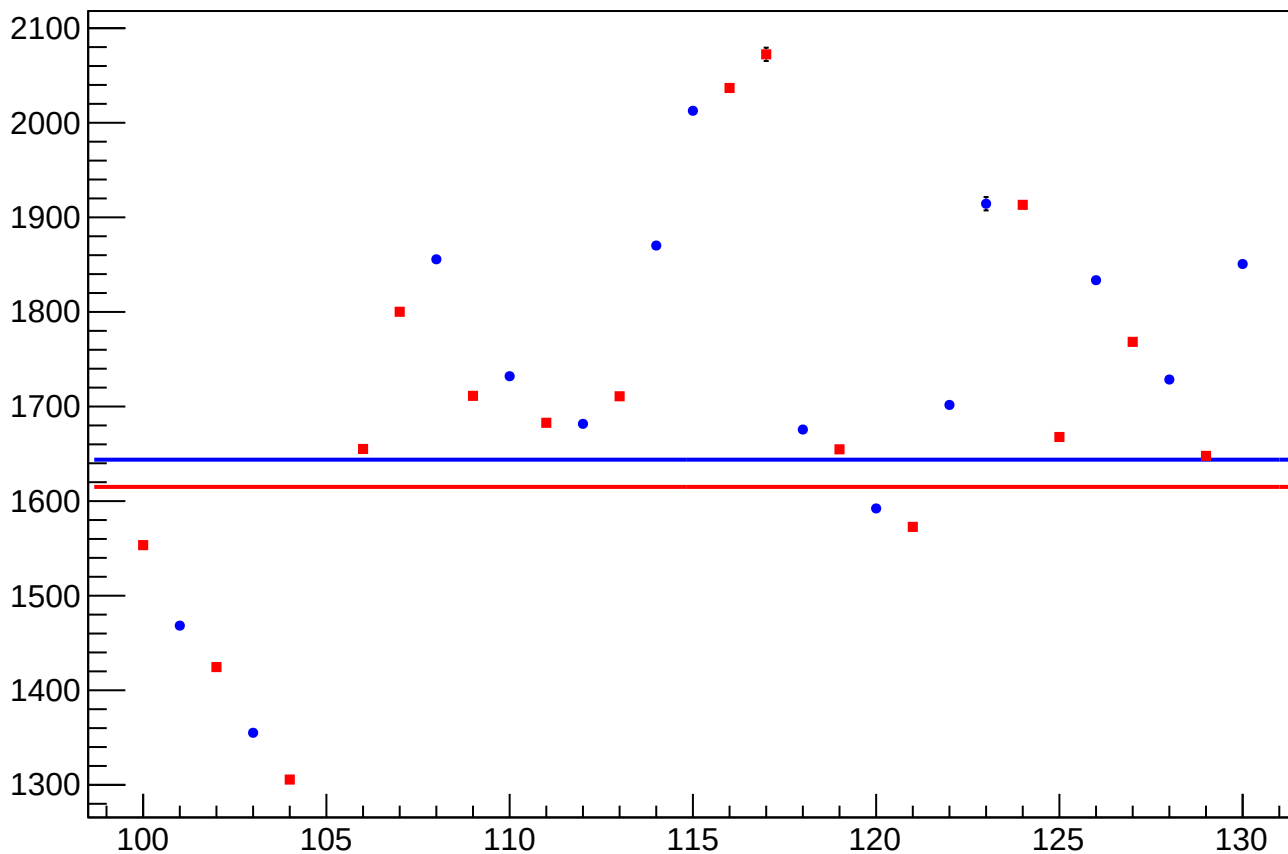
Right Out: 23.216 $\pm$ 0.681 χ^2 /NDF: 2029.3/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

-16.969 $\pm$ 0.719 χ^2 /NDF: 2429.1/13

23.216 $\pm$ 0.681 χ^2 /NDF: 2029.3/15

diff_bpm0i02aY_rms vs Slug



Right In: 1643.810+/-0.508 χ^2/NDF : 119871.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

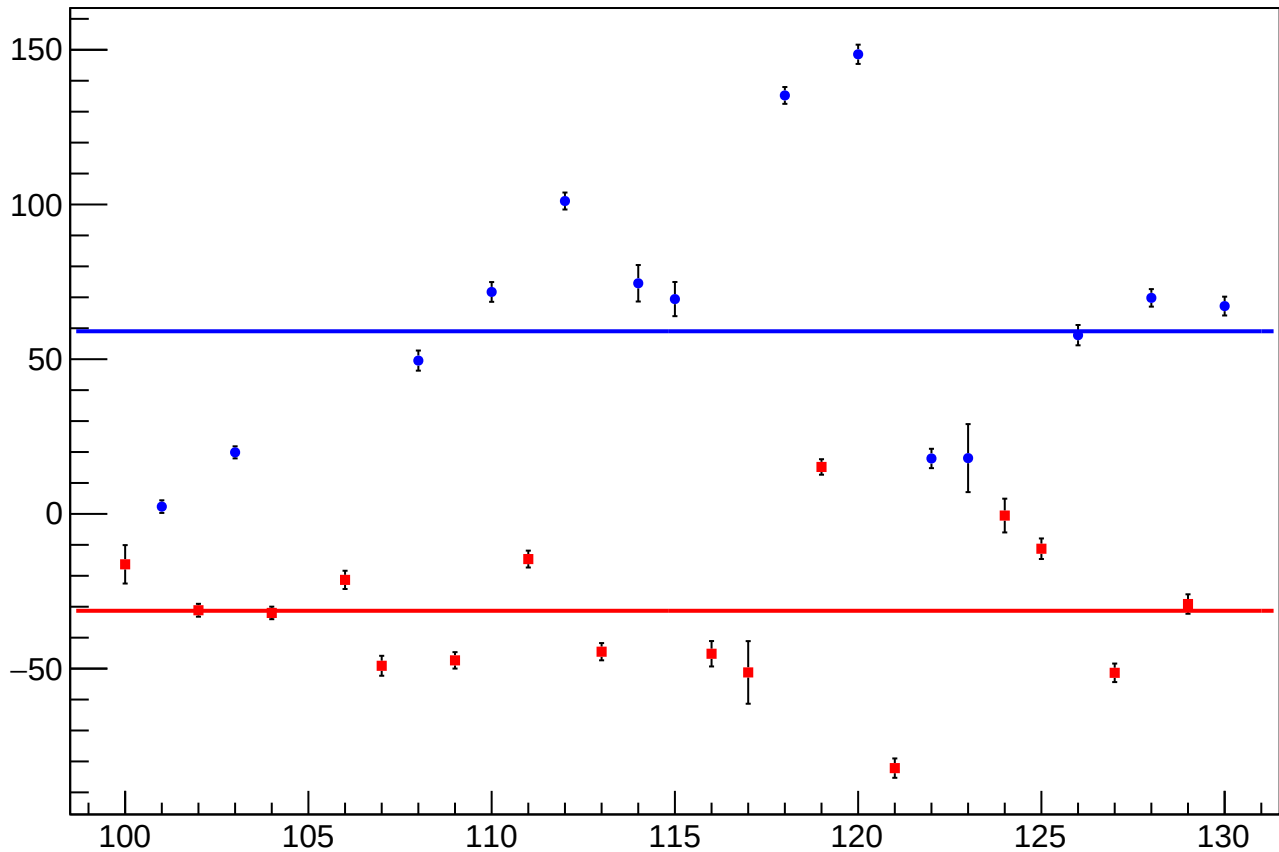
Right Out: 1615.022+/-0.482 χ^2/NDF : 131990.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1643.810+/-0.508 χ^2/NDF : 119871.7/13

1615.022+/-0.482 χ^2/NDF : 131990.0/15

diff_bpm0i05X_mean vs Slug



Right In: 59.028+/-0.799 χ^2 /NDF: 3267.0/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

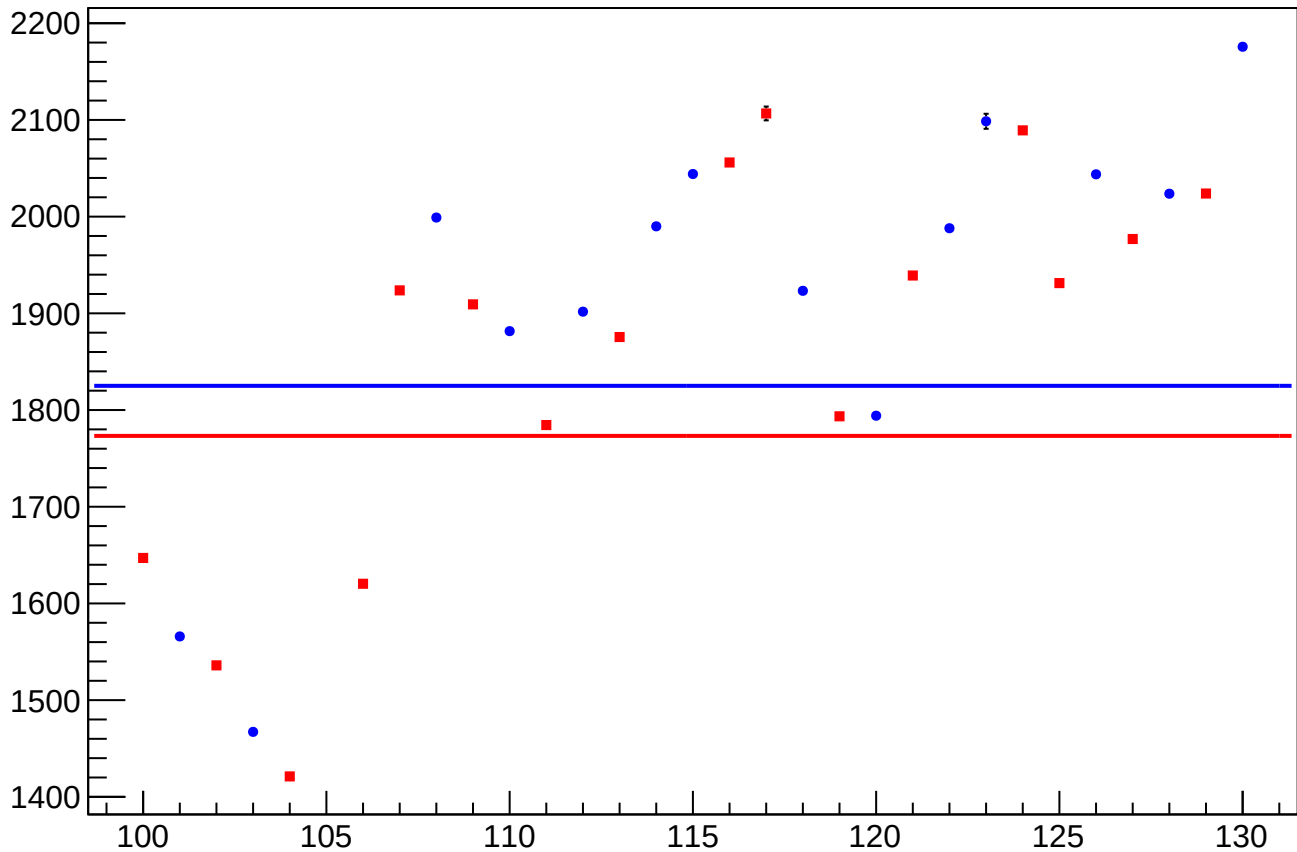
Right Out: -31.310+/-0.748 χ^2 /NDF: 882.1/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

59.028+/-0.799 χ^2 /NDF: 3267.0/13

-31.310+/-0.748 χ^2 /NDF: 882.1/15

diff_bpm0i05X_rms vs Slug



Right In: 1825.030+/-0.565 χ^2/NDF : 166960.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

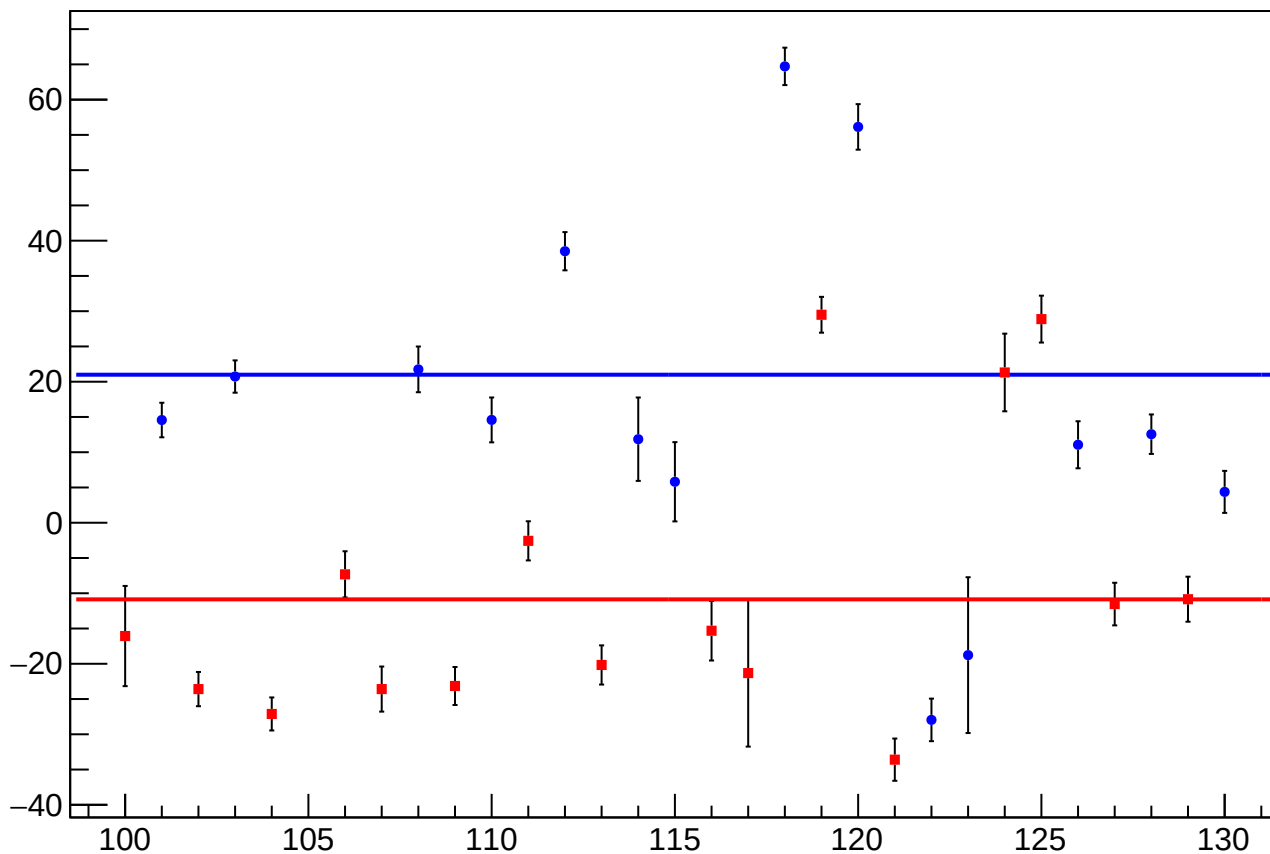
1825.030+/-0.565 χ^2/NDF : 166960.8/13

Right Out: 1773.258+/-0.529 χ^2/NDF : 155690.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1773.258+/-0.529 χ^2/NDF : 155690.0/15

diff_bpm0i05Y_mean vs Slug



Right In: 20.992+/-0.835 χ^2 /NDF: 777.6/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

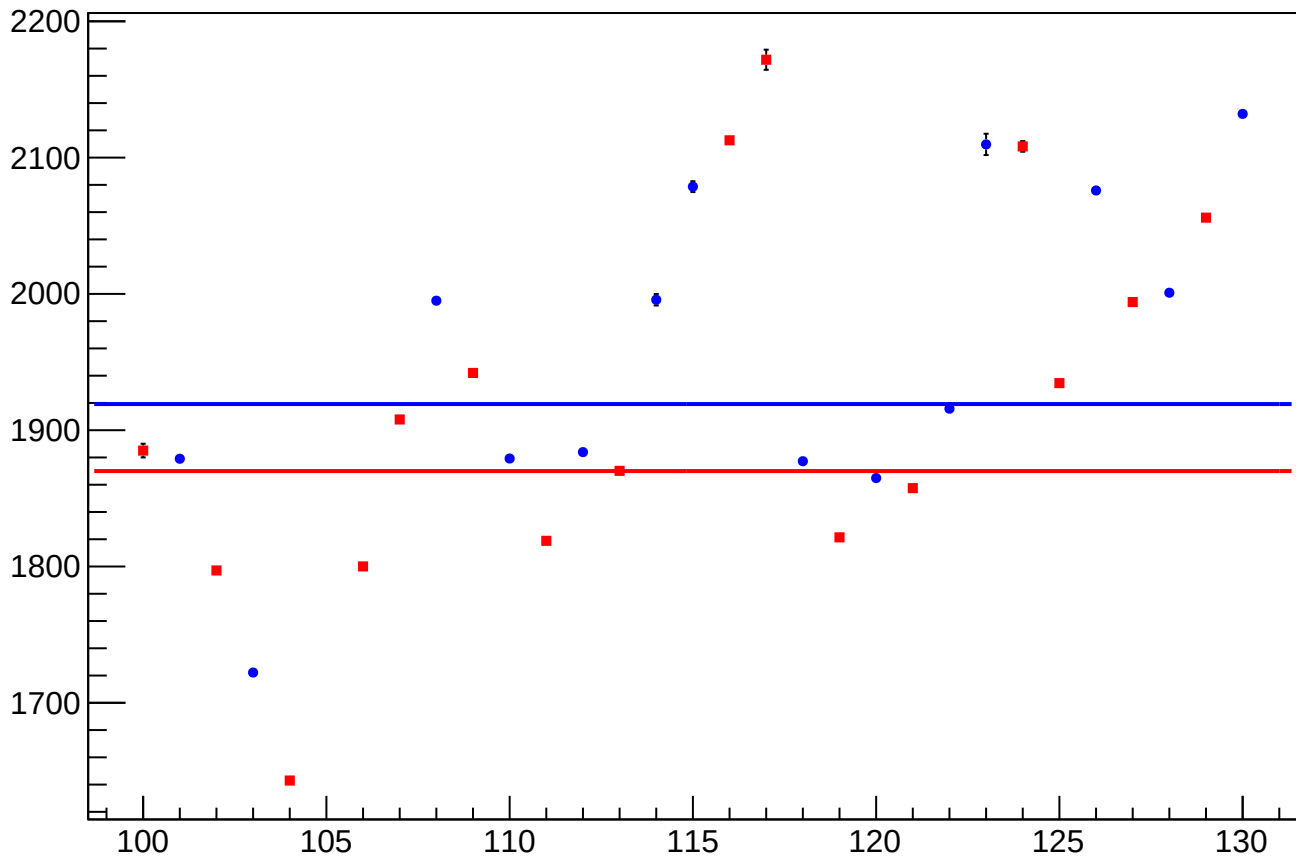
Right Out: -10.866+/-0.785 χ^2 /NDF: 623.0/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

20.992+/-0.835 χ^2 /NDF: 777.6/13

-10.866+/-0.785 χ^2 /NDF: 623.0/15

diff_bpm0i05Y_rms vs Slug



Right In: 1919.182 $\pm$ 0.591 χ^2 /NDF: 37023.3/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

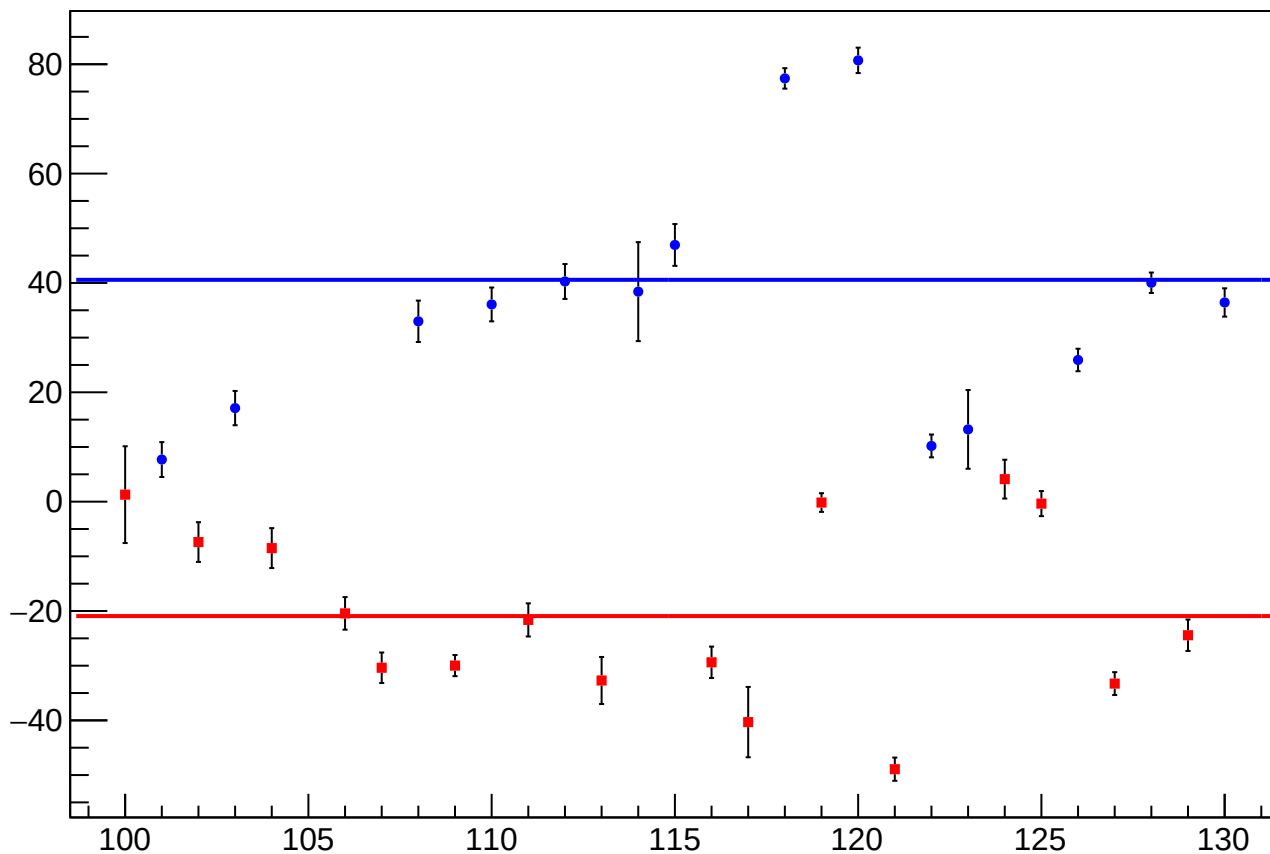
Right Out: 1870.037 $\pm$ 0.555 χ^2 /NDF: 47615.8/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

1919.182 $\pm$ 0.591 χ^2 /NDF: 37023.3/13

1870.037 $\pm$ 0.555 χ^2 /NDF: 47615.8/15

diff_bpm0i07X_mean vs Slug



Right In: 40.573+/-0.717 χ^2/NDF : 1137.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

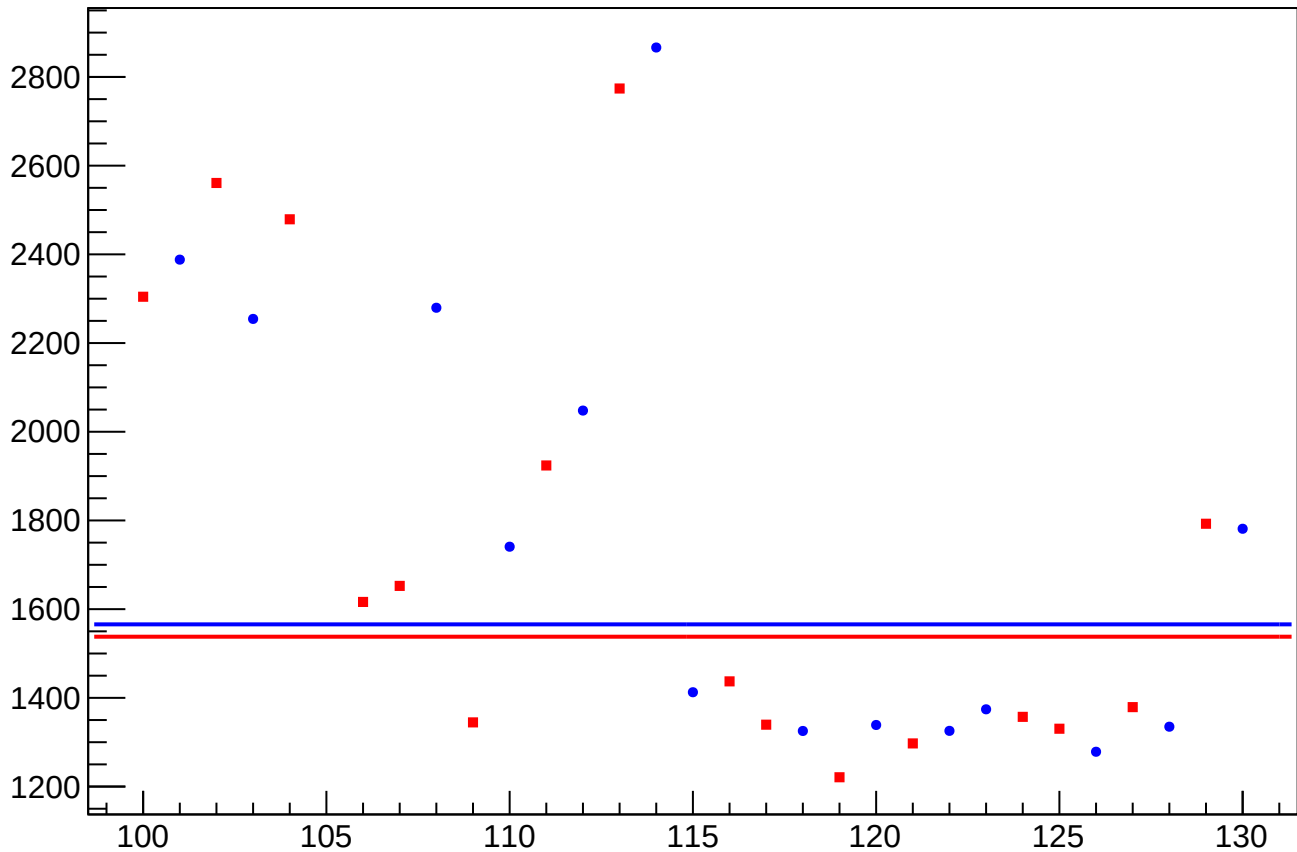
Right Out: -20.925+/-0.680 χ^2/NDF : 579.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

40.573+/-0.717 χ^2/NDF : 1137.7/13

-20.925+/-0.680 χ^2/NDF : 579.2/15

diff_bpm0i07X_rms vs Slug



Right In: 1565.722+/-0.507 χ^2/NDF : 560246.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

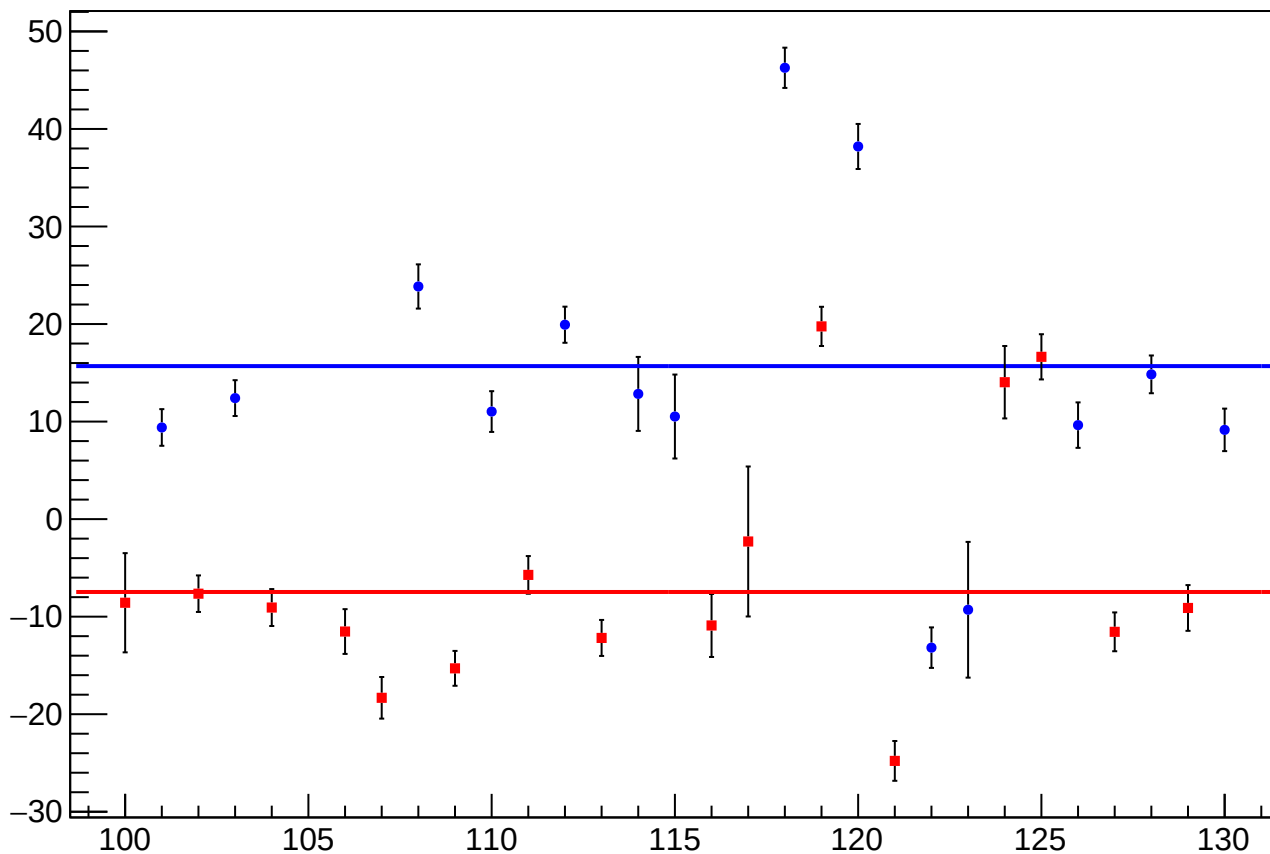
Right Out: 1537.884+/-0.480 χ^2/NDF : 676714.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1565.722+/-0.507 χ^2/NDF : 560246.1/13

1537.884+/-0.480 χ^2/NDF : 676714.4/15

diff_bpm0i07Y_mean vs Slug



Right In: 15.688+/-0.602 χ^2 /NDF: 576.4/13

Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

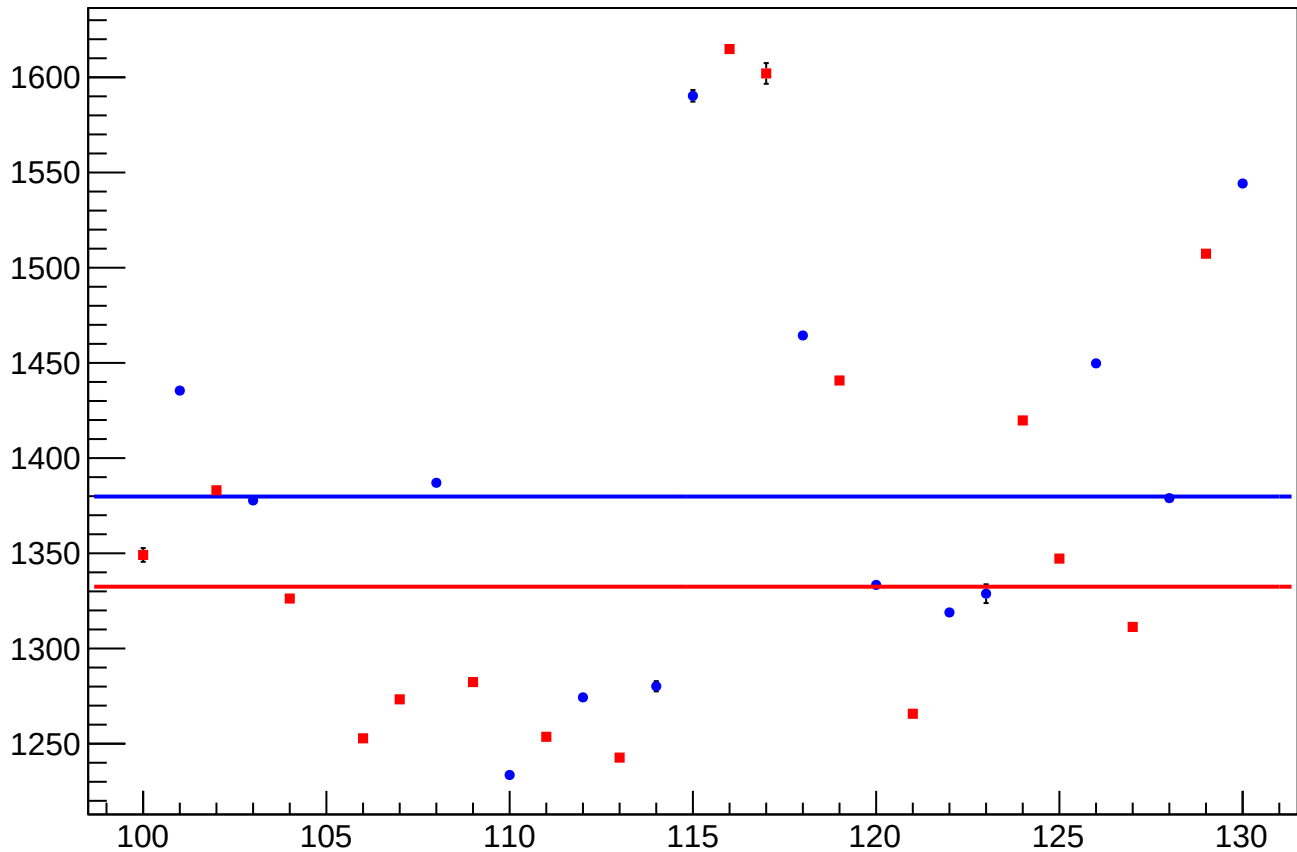
Right Out: -7.470+/-0.561 χ^2 /NDF: 459.8/15

Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

15.688+/-0.602 χ^2 /NDF: 576.4/13

-7.470+/-0.561 χ^2 /NDF: 459.8/15

diff_bpm0i07Y_rms vs Slug



Right In: 1379.818 $\pm$ 0.426 χ^2 /NDF: 43422.0/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

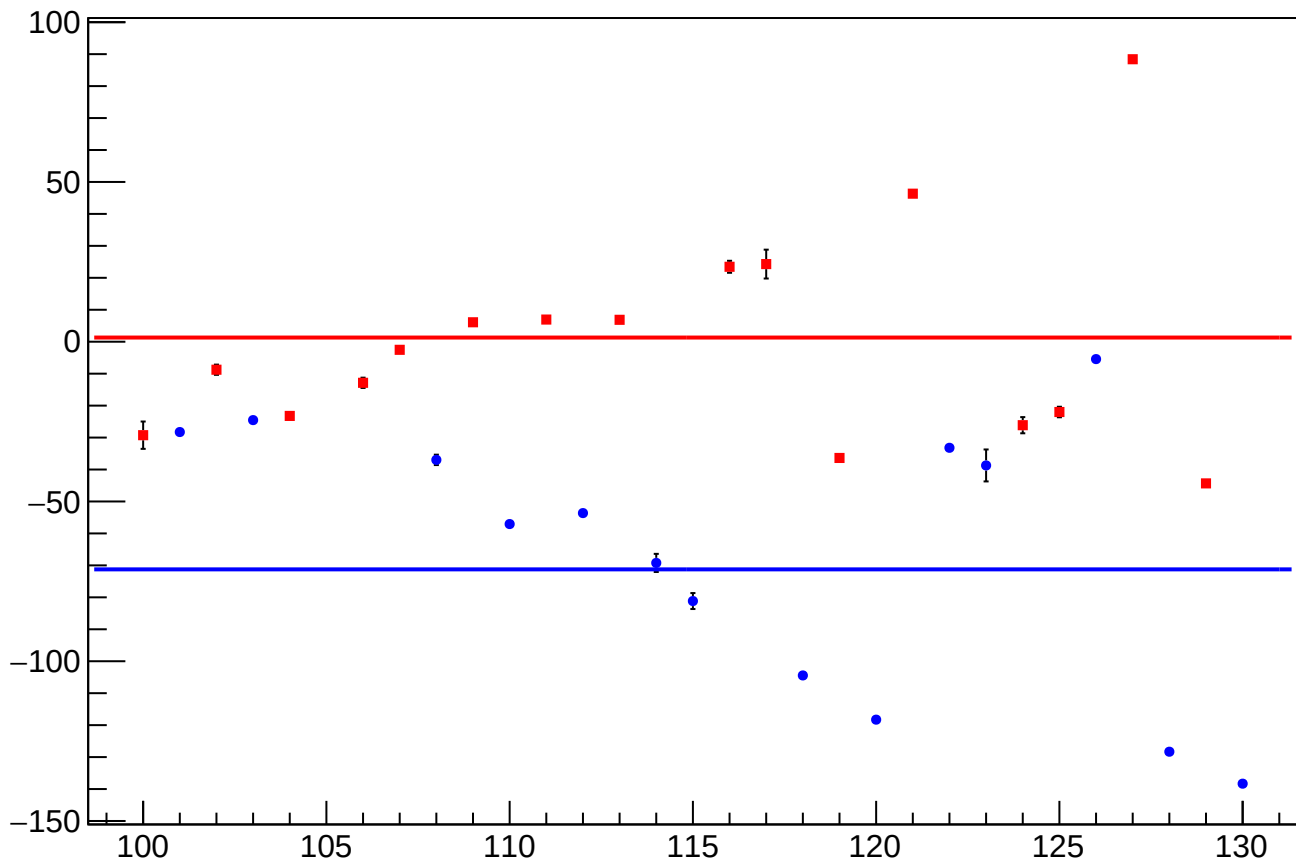
Right Out: 1332.461 $\pm$ 0.396 χ^2 /NDF: 53316.7/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

1379.818 $\pm$ 0.426 χ^2 /NDF: 43422.0/13

1332.461 $\pm$ 0.396 χ^2 /NDF: 53316.7/15

diff_bpm1i02X_mean vs Slug



Right In: -71.249 ± 0.414 $\chi^2/\text{NDF}: 11471.4/13$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

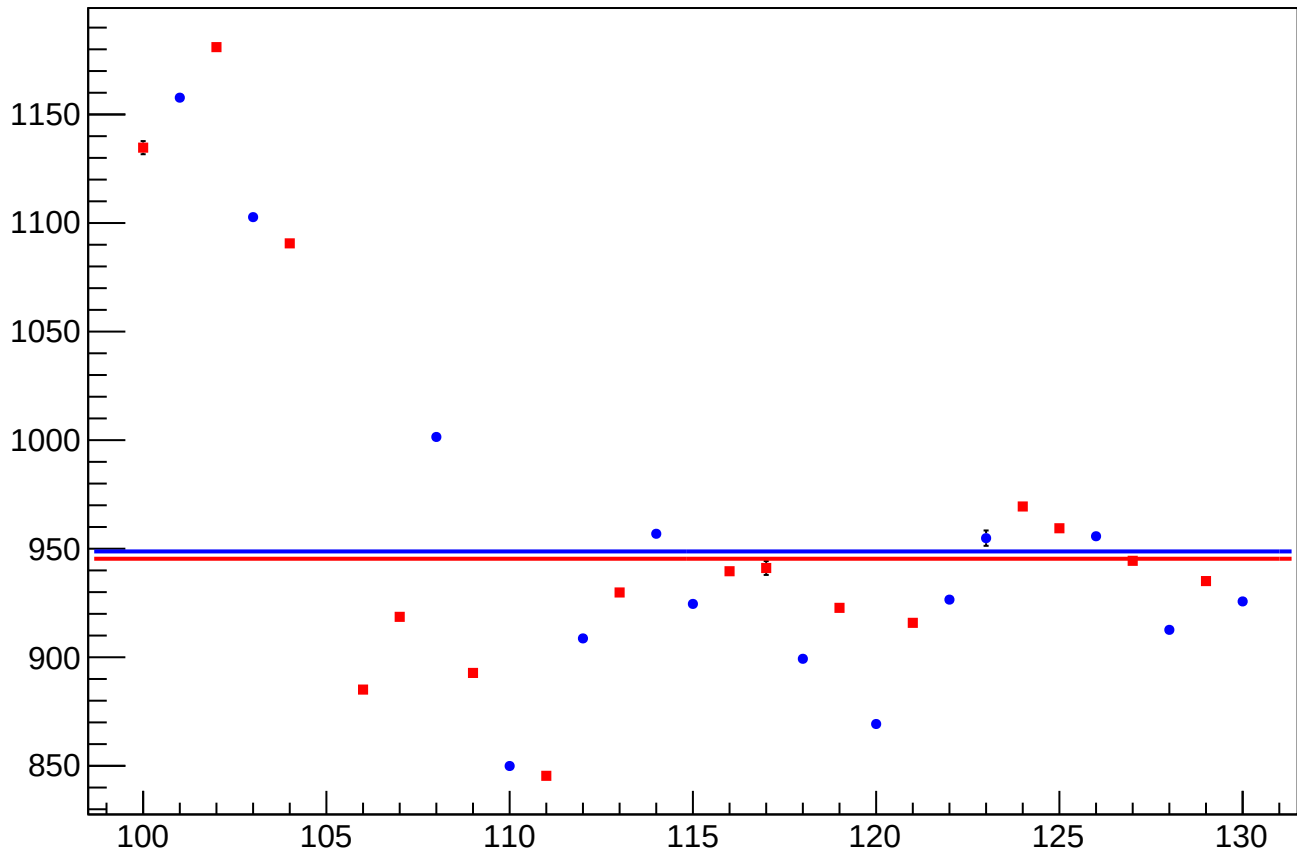
Right Out: 1.304 ± 0.397 $\chi^2/\text{NDF}: 7445.8/15$

Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

-71.249 ± 0.414 $\chi^2/\text{NDF}: 11471.4/13$

1.304 ± 0.397 $\chi^2/\text{NDF}: 7445.8/15$

diff_bpm1i02X_rms vs Slug



Right In: 948.746 $\pm$ 0.292 χ^2 /NDF: 85345.4/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

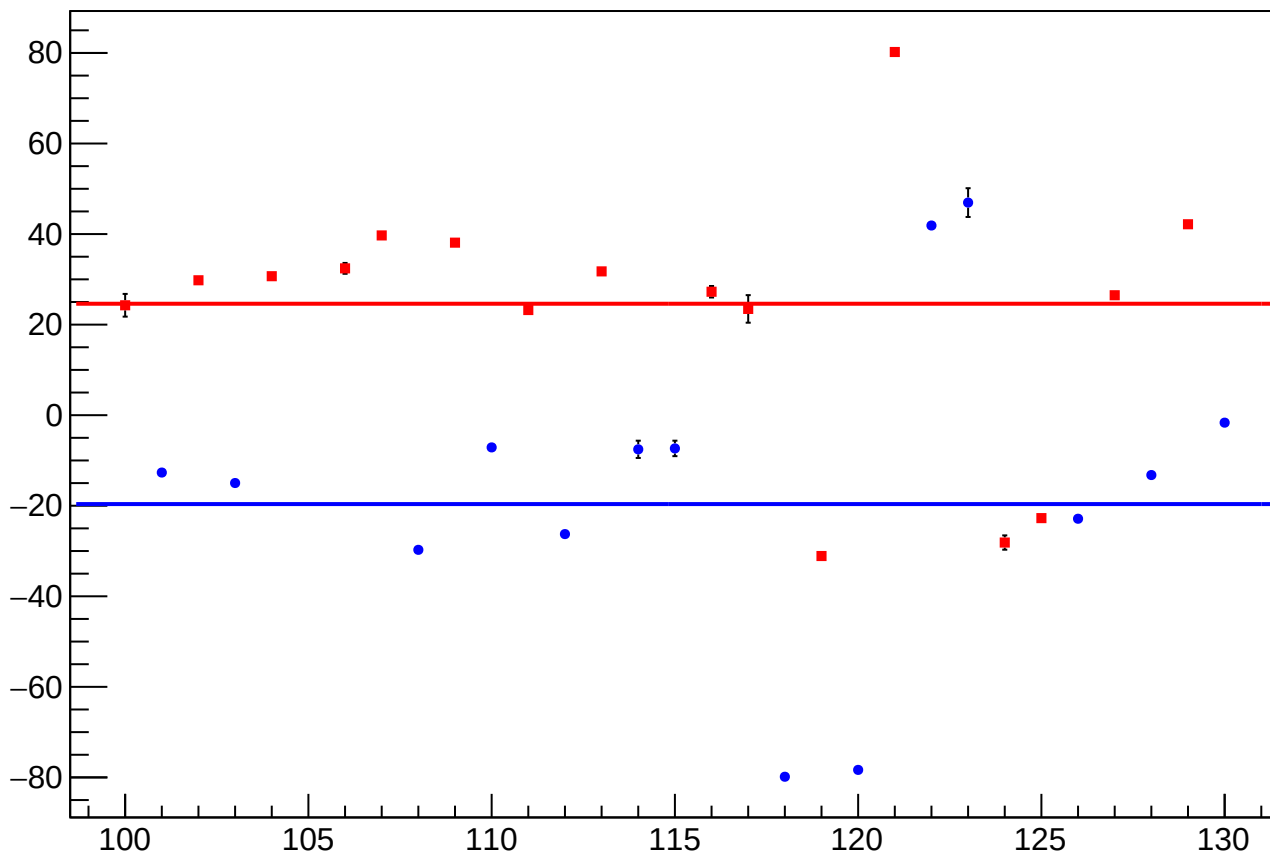
Right Out: 945.377 $\pm$ 0.281 χ^2 /NDF: 86013.7/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

948.746 $\pm$ 0.292 χ^2 /NDF: 85345.4/13

945.377 $\pm$ 0.281 χ^2 /NDF: 86013.7/15

diff_bpm1i02Y_mean vs Slug



Right In: -19.633+/-0.277 χ^2/NDF : 12875.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

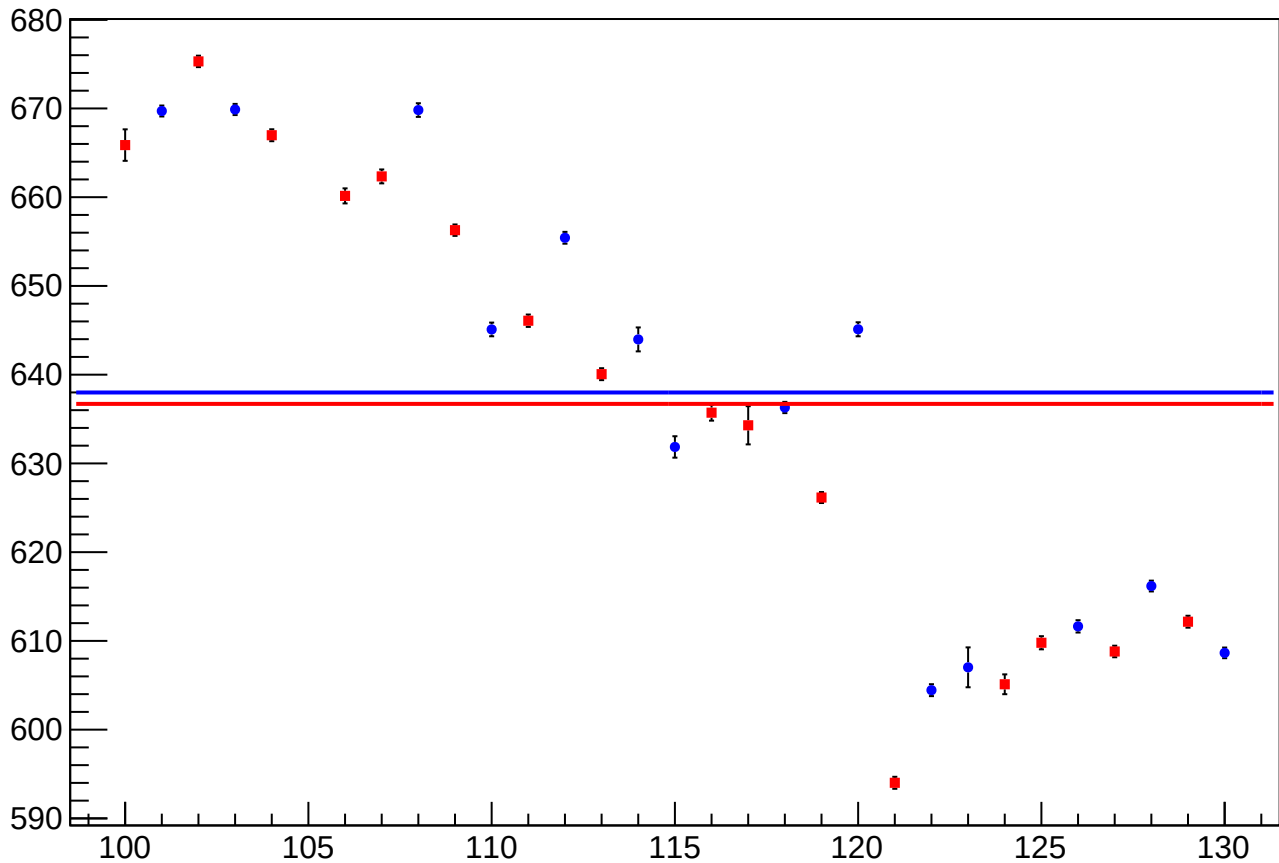
Right Out: 24.613+/-0.267 χ^2/NDF : 11539.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-19.633+/-0.277 χ^2/NDF : 12875.8/13

24.613+/-0.267 χ^2/NDF : 11539.6/15

diff_bpm1i02Y_rms vs Slug



Right In: 637.993 $\pm$ 0.196 χ^2 /NDF: 15609.6/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

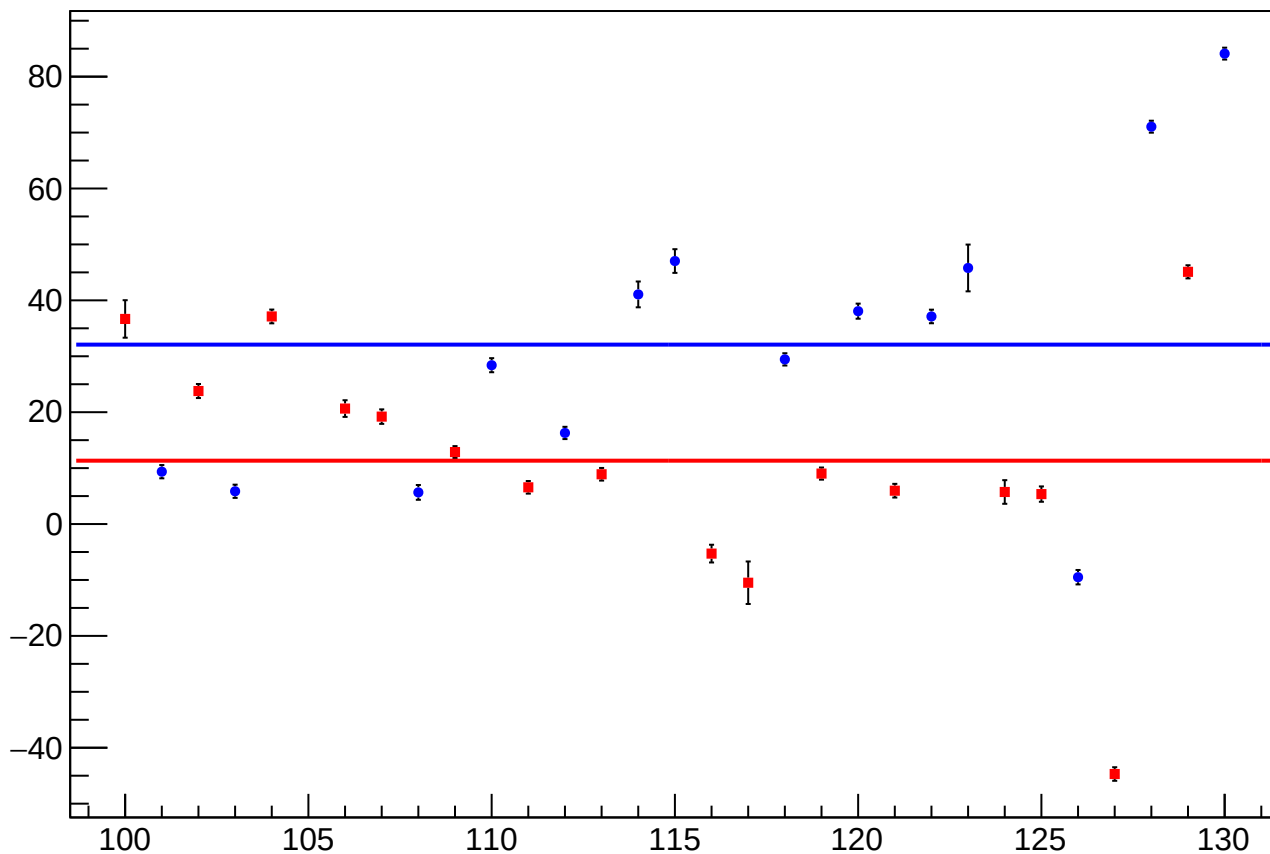
637.993 $\pm$ 0.196 χ^2 /NDF: 15609.6/13

Right Out: 636.708 $\pm$ 0.189 χ^2 /NDF: 18411.7/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

636.708 $\pm$ 0.189 χ^2 /NDF: 18411.7/15

diff_bpm1i04X_mean vs Slug



Right In: 32.083+/-0.346 χ^2/NDF : 6349.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

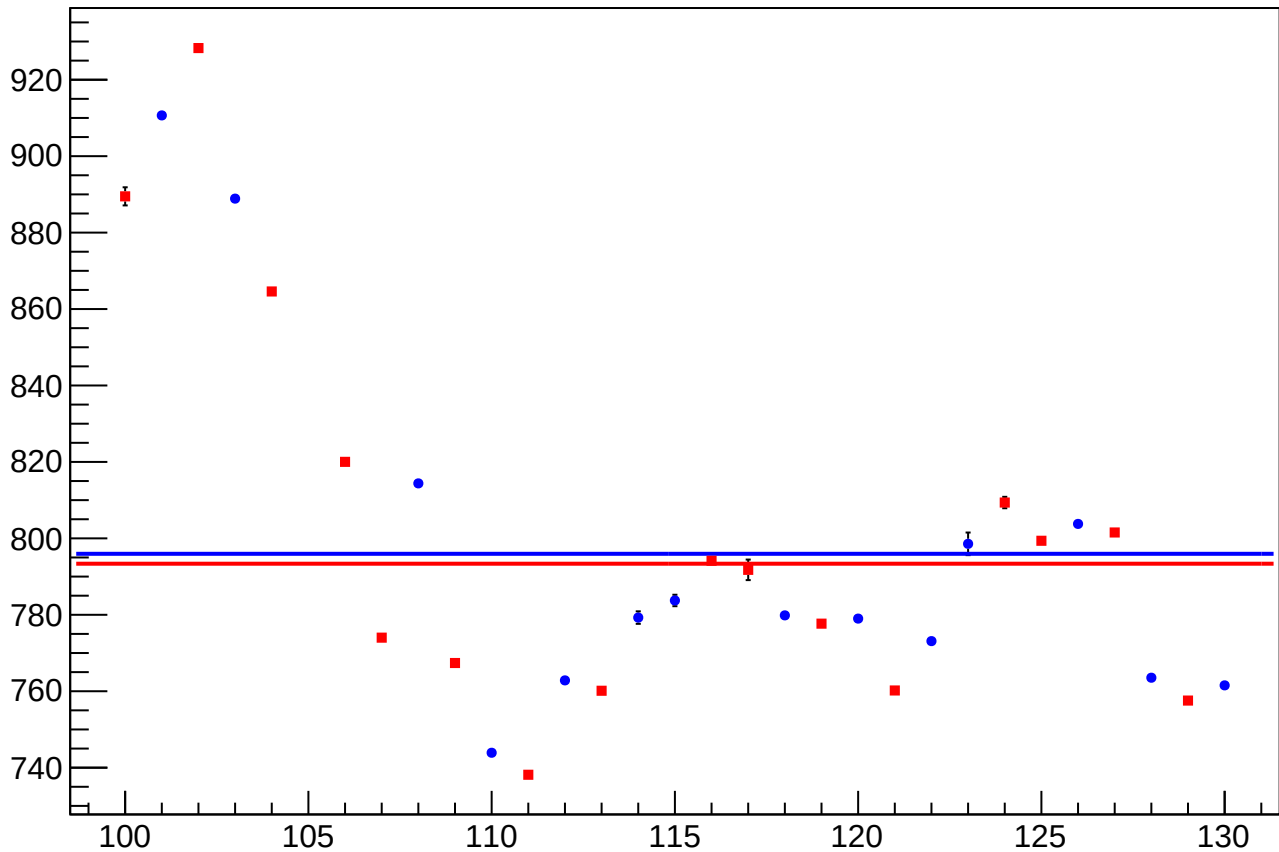
Right Out: 11.330+/-0.333 χ^2/NDF : 3843.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

32.083+/-0.346 χ^2/NDF : 6349.2/13

11.330+/-0.333 χ^2/NDF : 3843.1/15

diff_bpm1i04X_rms vs Slug



Right In: 795.960 $\pm$ 0.245 χ^2 /NDF: 42286.7/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

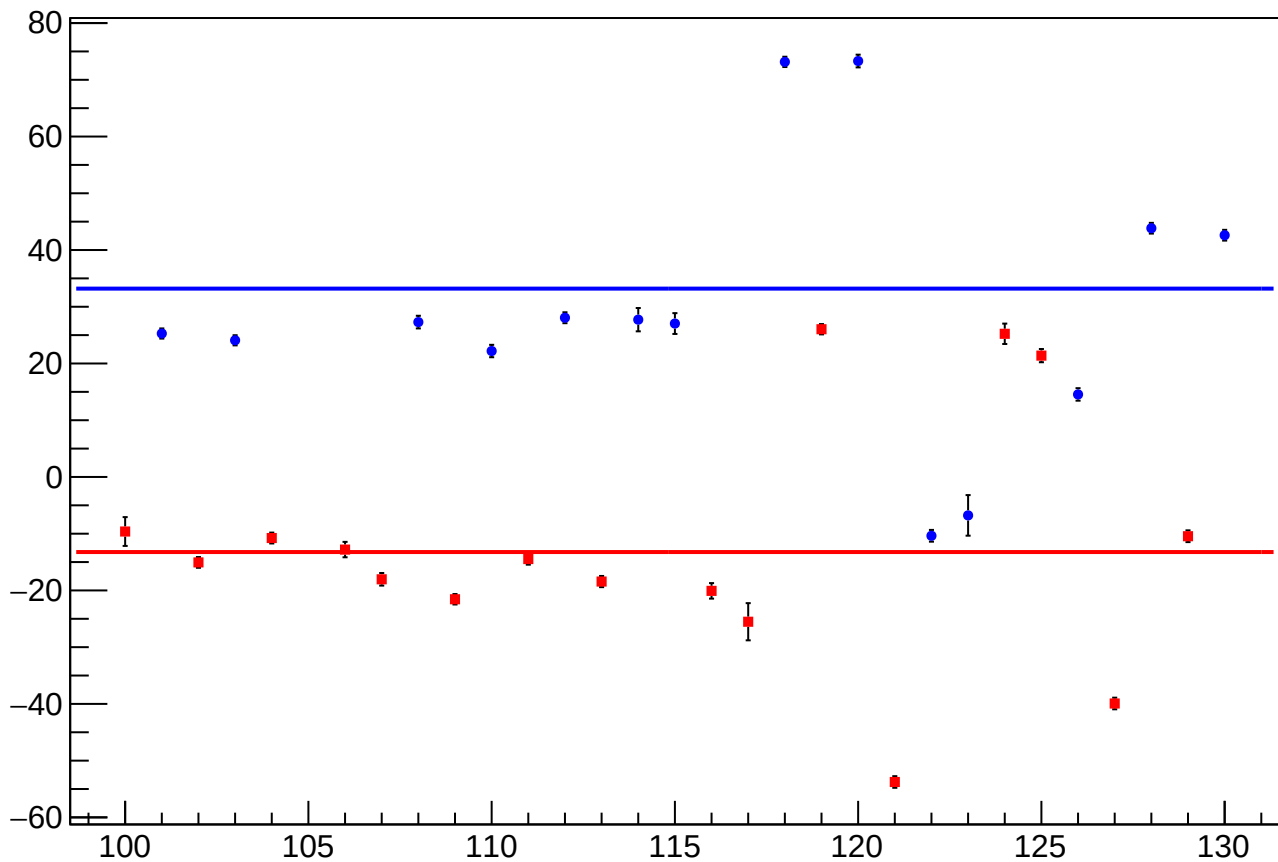
795.960 $\pm$ 0.245 χ^2 /NDF: 42286.7/13

Right Out: 793.367 $\pm$ 0.235 χ^2 /NDF: 44218.1/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

793.367 $\pm$ 0.235 χ^2 /NDF: 44218.1/15

diff_bpm1i04Y_mean vs Slug



Right In: 33.197 $\pm$ 0.291 χ^2 /NDF: 5983.1/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

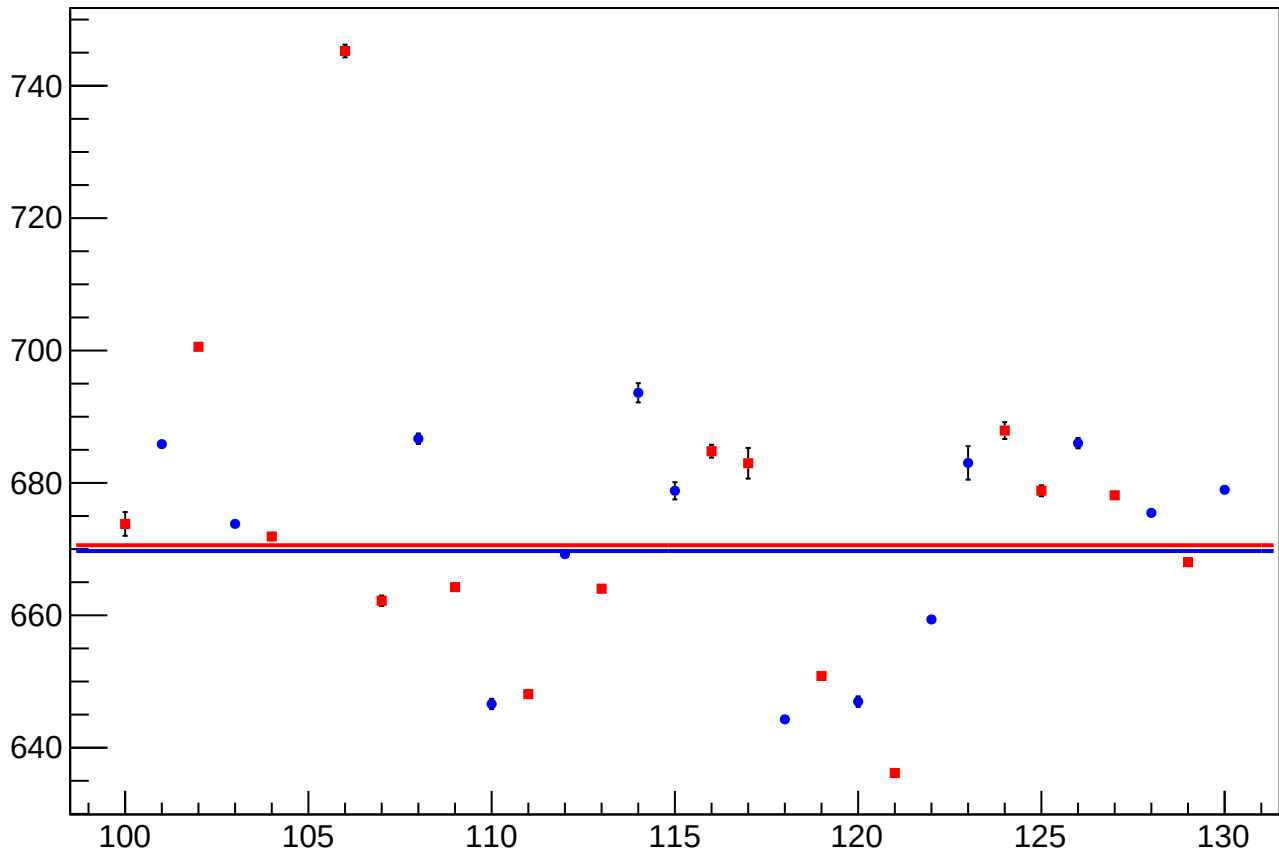
Right Out: -13.234 $\pm$ 0.281 χ^2 /NDF: 5641.6/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

33.197 $\pm$ 0.291 χ^2 /NDF: 5983.1/13

-13.234 $\pm$ 0.281 χ^2 /NDF: 5641.6/15

diff_bpm1i04Y_rms vs Slug



Right In: 669.714 $\pm$ 0.206 χ^2 /NDF: 5694.5/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

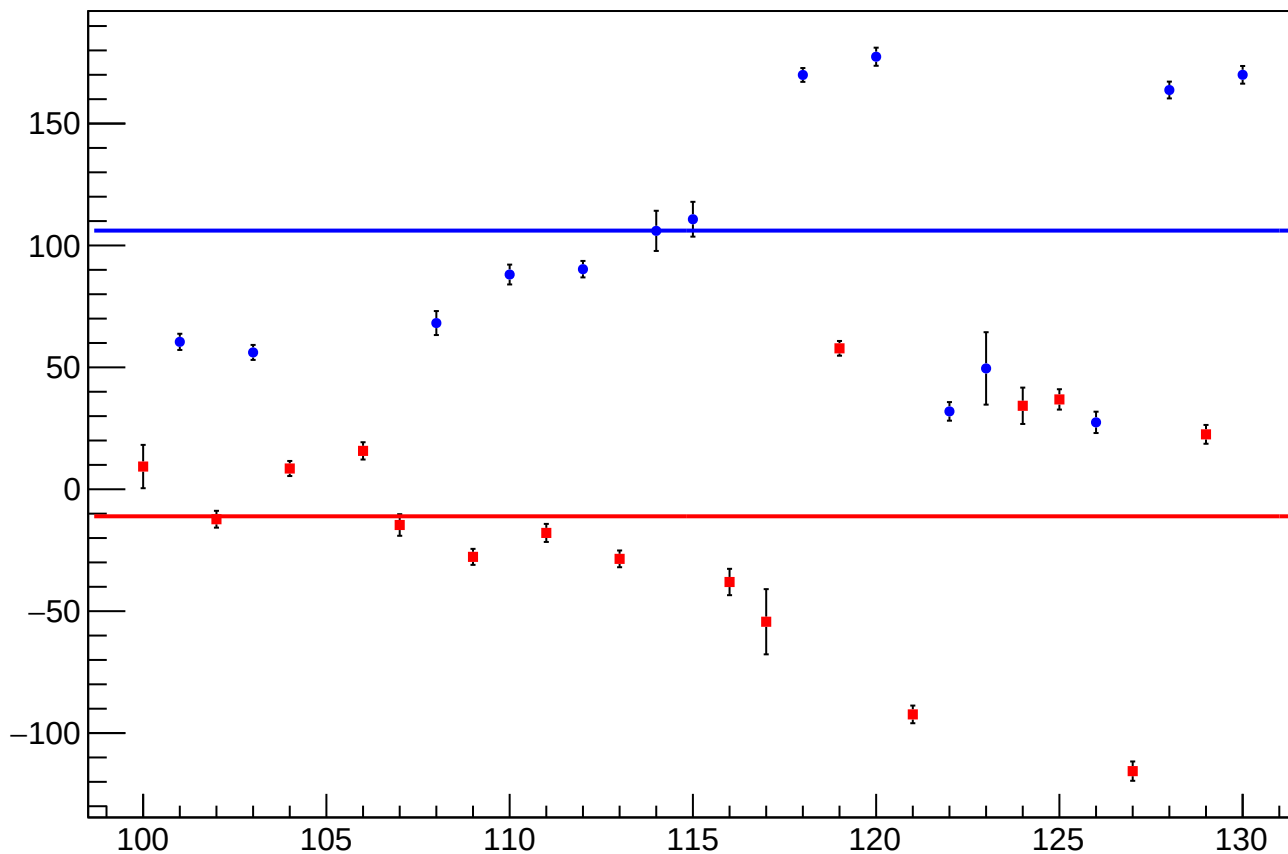
Right Out: 670.586 $\pm$ 0.199 χ^2 /NDF: 13239.7/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

669.714 $\pm$ 0.206 χ^2 /NDF: 5694.5/13

670.586 $\pm$ 0.199 χ^2 /NDF: 13239.7/15

diff_bpm1i06X_mean vs Slug



Right In: 106.098+/-1.052 χ^2/NDF : 2737.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

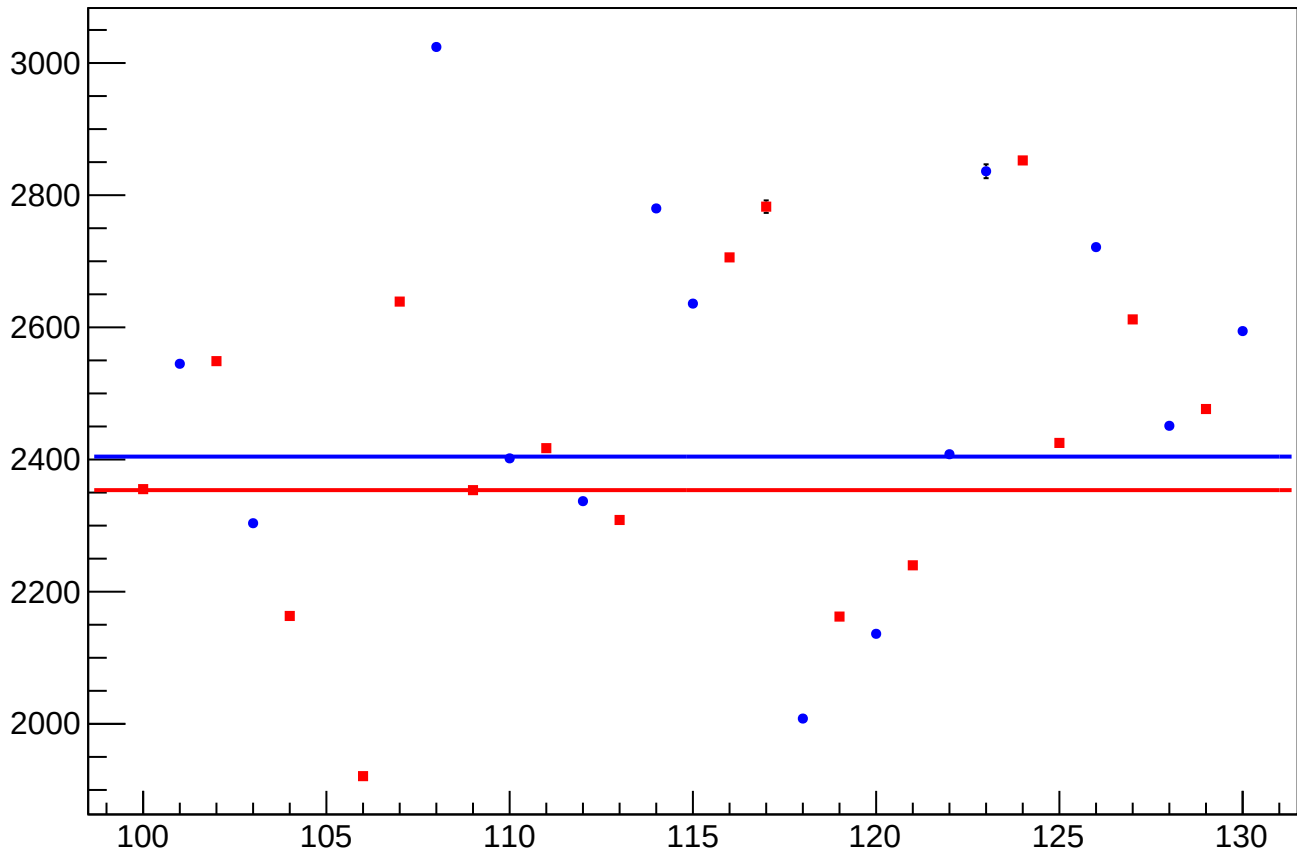
Right Out: -11.087+/-0.993 χ^2/NDF : 2157.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

106.098+/-1.052 χ^2/NDF : 2737.9/13

-11.087+/-0.993 χ^2/NDF : 2157.2/15

diff_bpm1i06X_rms vs Slug



Right In: 2404.430+/-0.744 χ^2/NDF : 112168.6/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

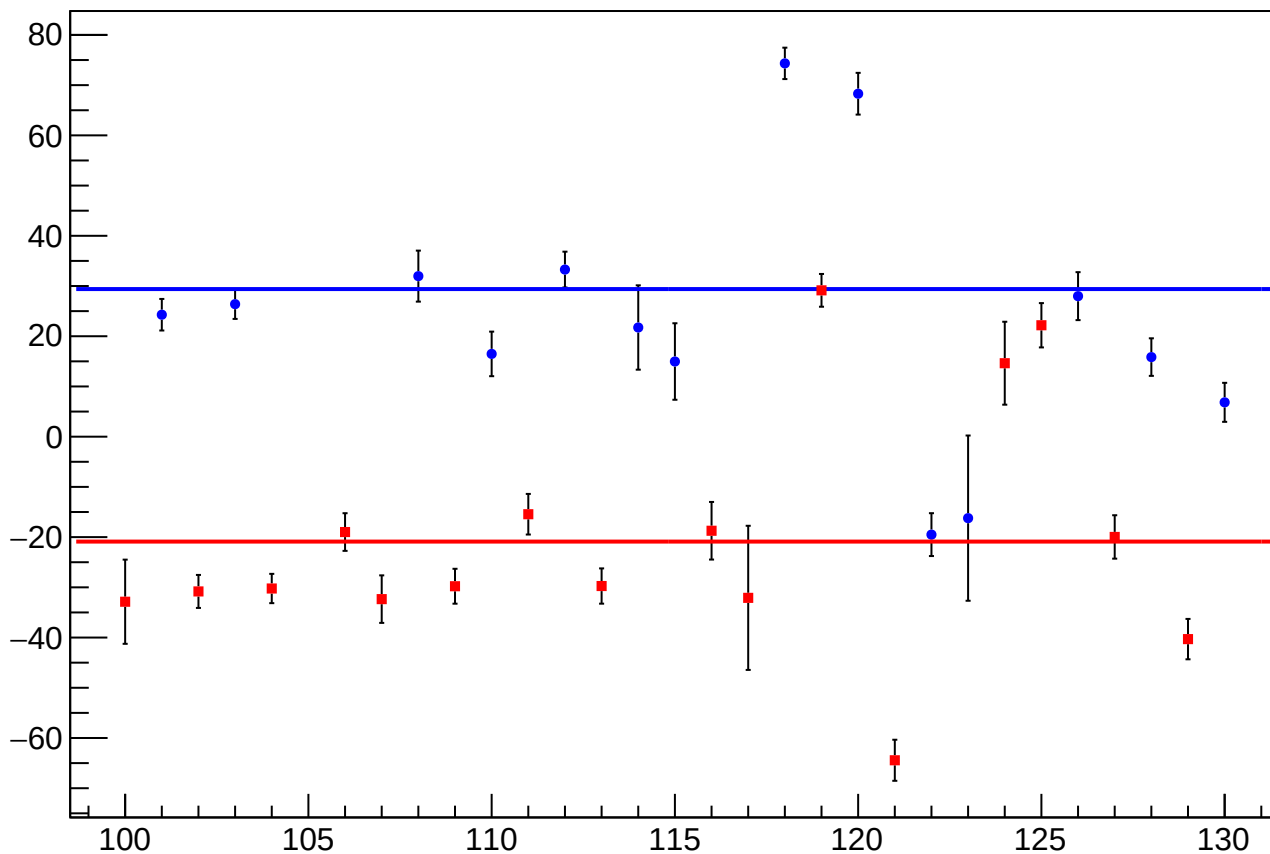
Right Out: 2353.690+/-0.702 χ^2/NDF : 93612.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

2404.430+/-0.744 χ^2/NDF : 112168.6/13

2353.690+/-0.702 χ^2/NDF : 93612.5/15

diff_bpm1i06Y_mean vs Slug



Right In: 29.394+/-1.106 χ^2 /NDF: 498.2/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

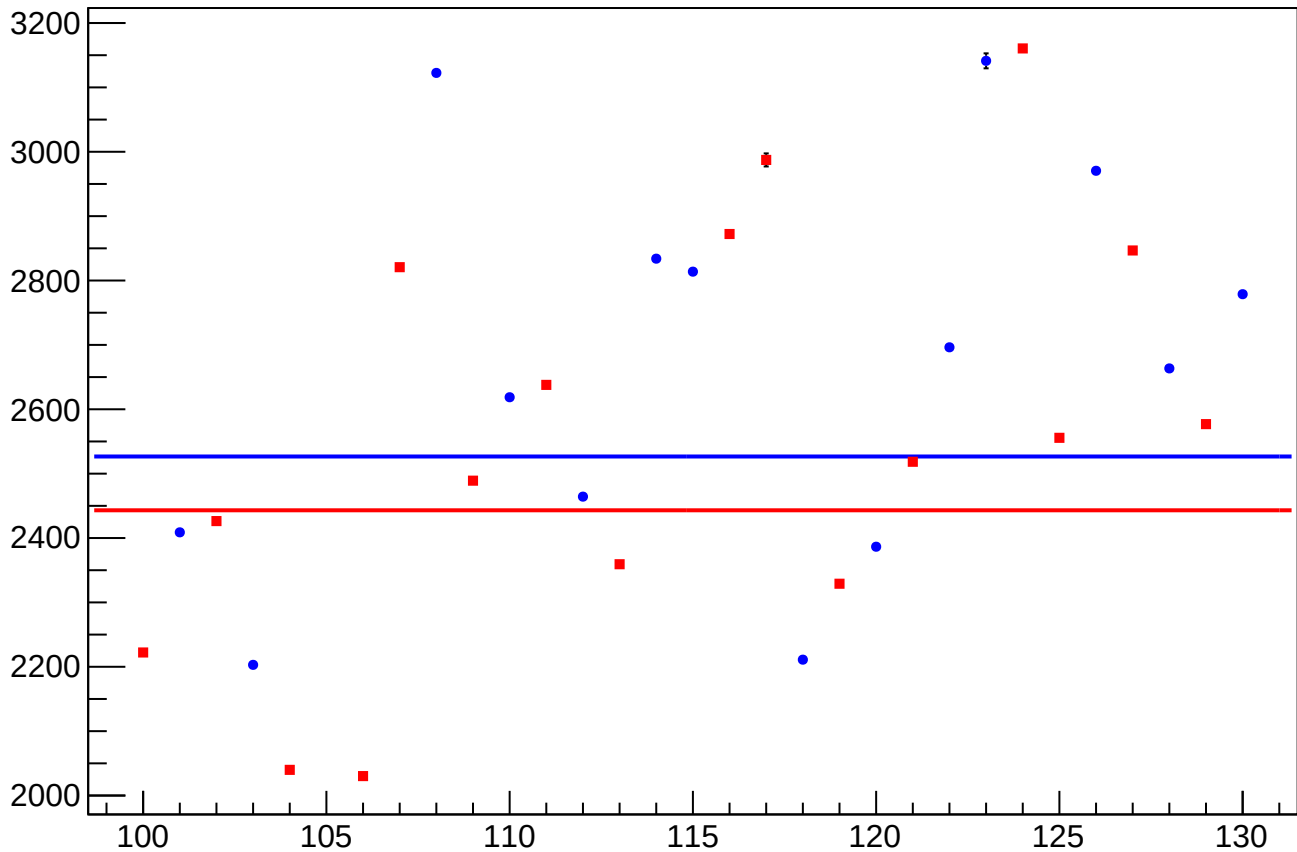
Right Out: -20.889+/-1.034 χ^2 /NDF: 528.8/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

29.394+/-1.106 χ^2 /NDF: 498.2/13

-20.889+/-1.034 χ^2 /NDF: 528.8/15

diff_bpm1i06Y_rms vs Slug



Right In: 2526.656+/-0.782 χ^2/NDF : 118523.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

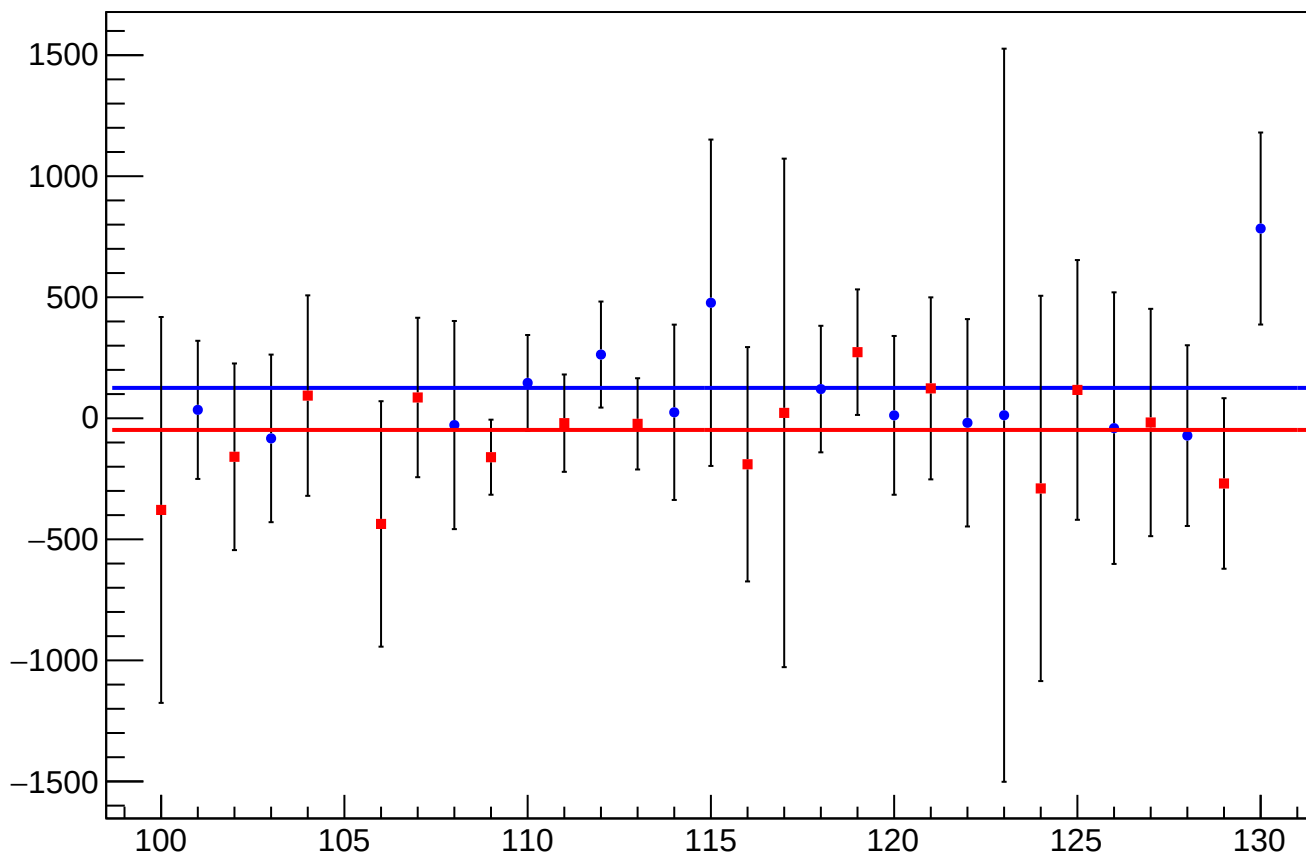
Right Out: 2443.085+/-0.731 χ^2/NDF : 136035.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

2526.656+/-0.782 χ^2/NDF : 118523.7/13

2443.085+/-0.731 χ^2/NDF : 136035.7/15

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 125.553+/-88.116 χ^2/NDF : 4.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

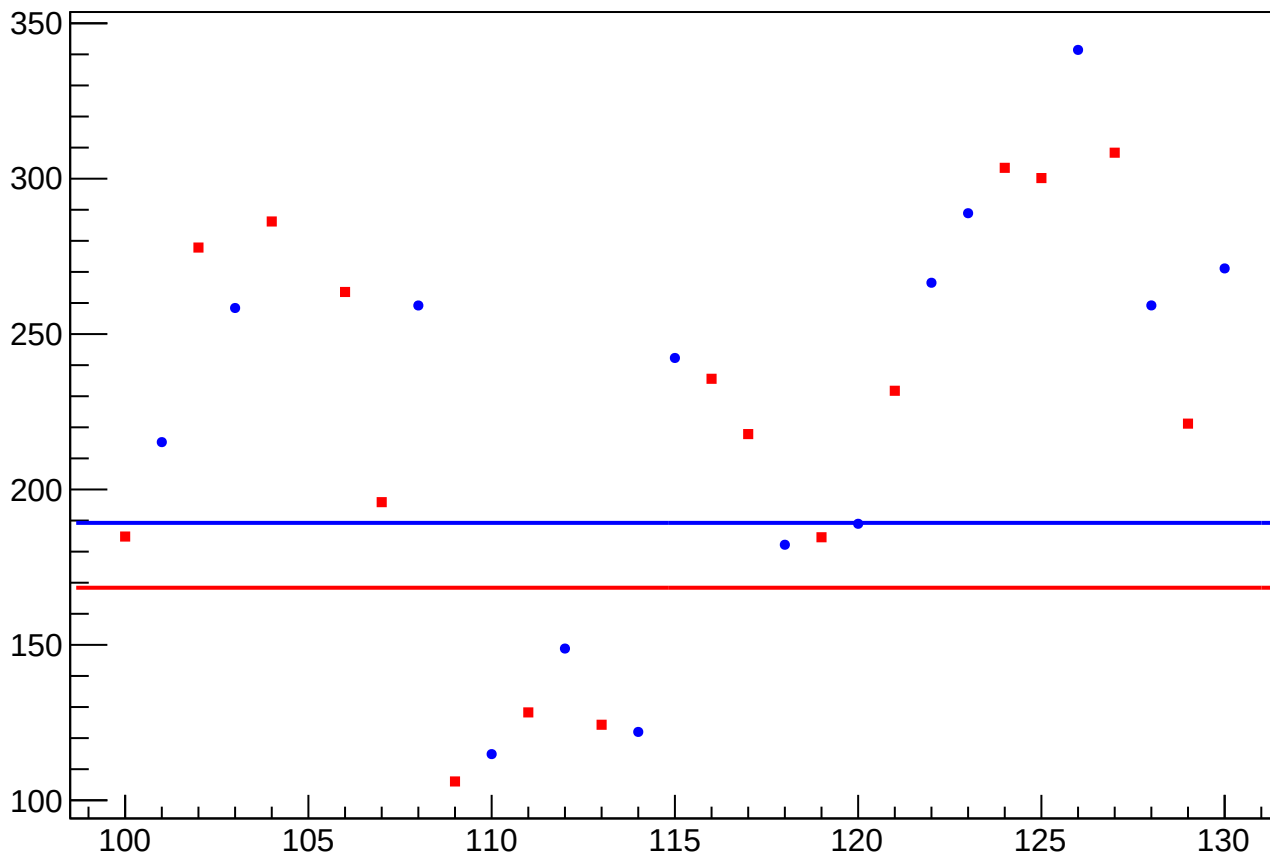
Right Out: -48.097+/-77.496 χ^2/NDF : 4.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

125.553+/-88.116 χ^2/NDF : 4.7/13

-48.097+/-77.496 χ^2/NDF : 4.1/15

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 189.255+/-0.062 χ^2/NDF : 959610.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

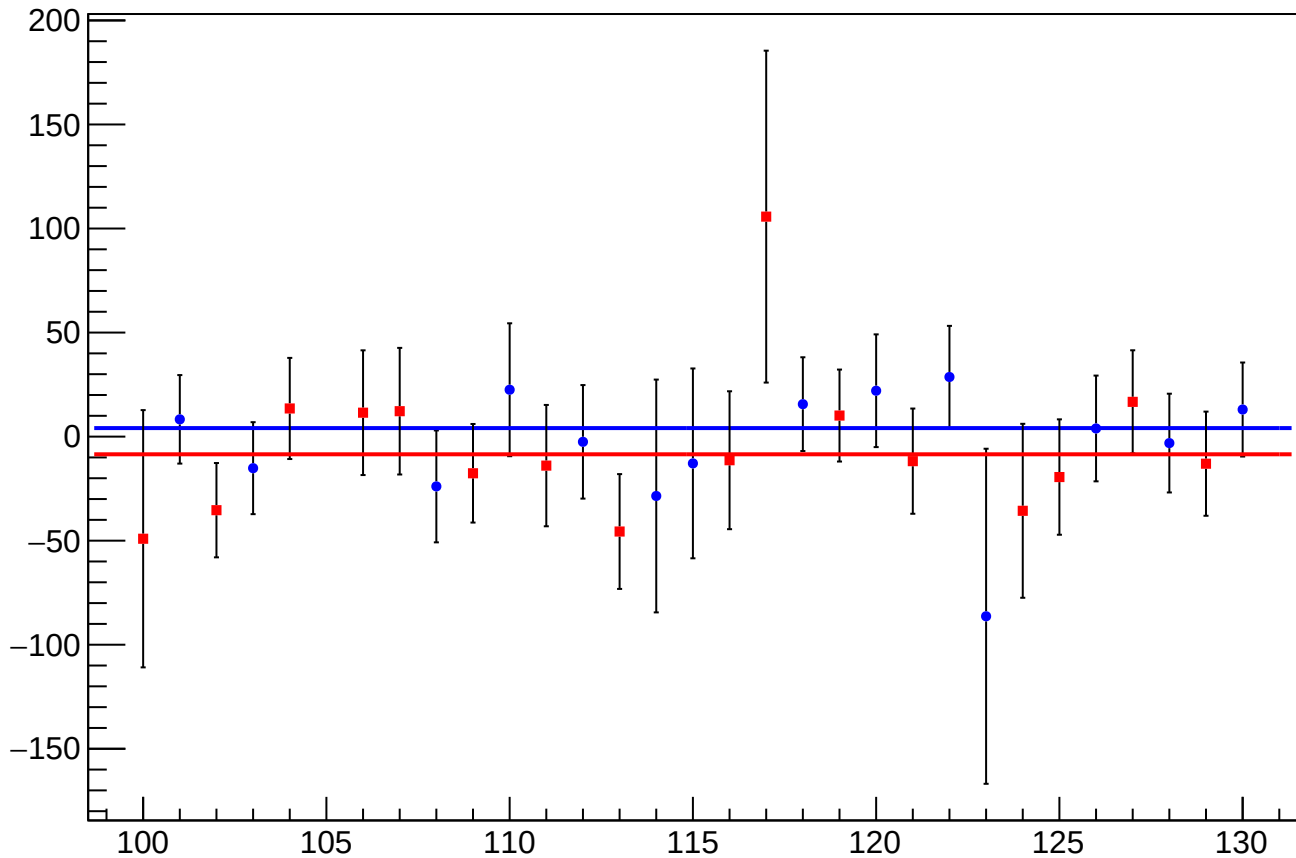
Right Out: 168.385+/-0.055 χ^2/NDF : 1429686.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

189.255+/-0.062 χ^2/NDF : 959610.0/13

168.385+/-0.055 χ^2/NDF : 1429686.2/15

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.099+/-7.218 χ^2/NDF : 6.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

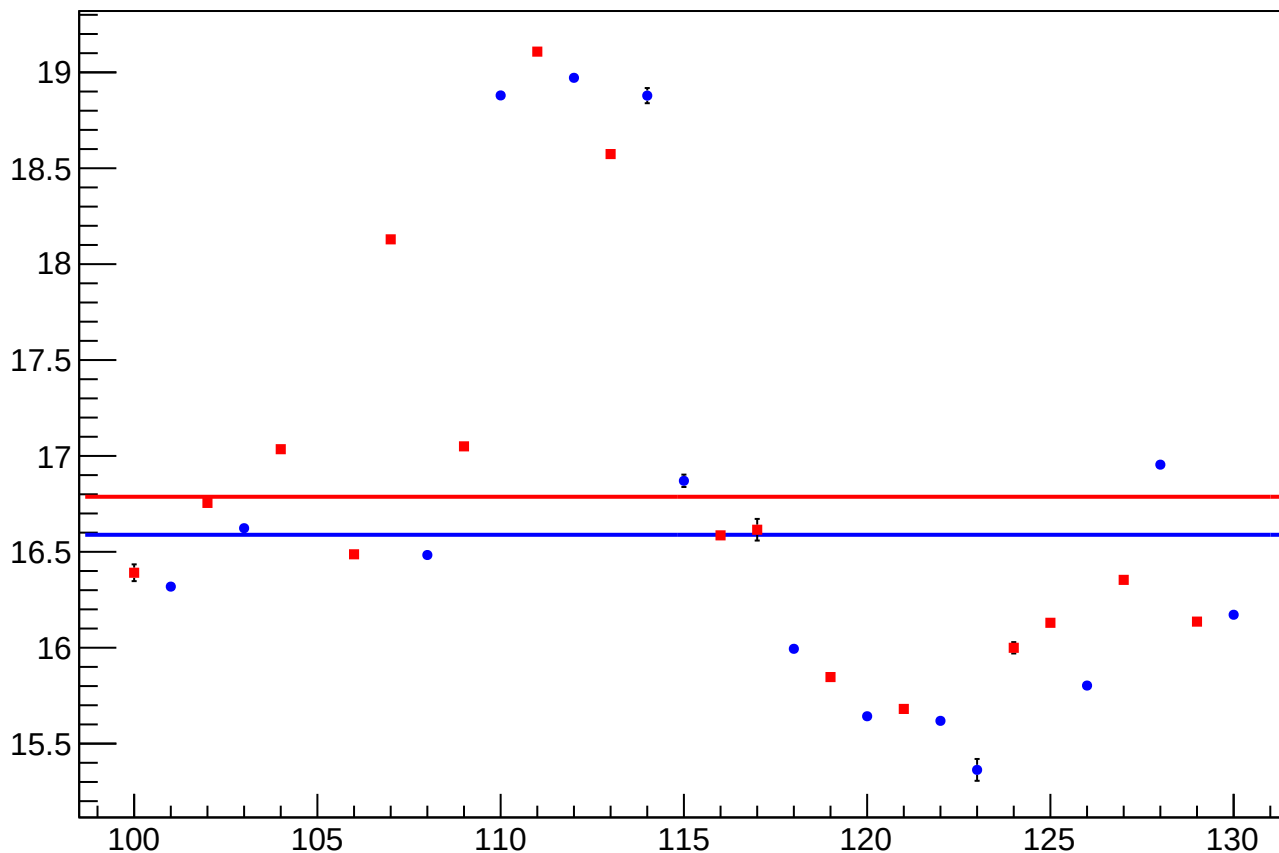
Right Out: -8.494+/-7.045 χ^2/NDF : 10.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

4.099+/-7.218 χ^2/NDF : 6.0/13

-8.494+/-7.045 χ^2/NDF : 10.0/15

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.589+/-0.005 χ^2/NDF : 39824.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

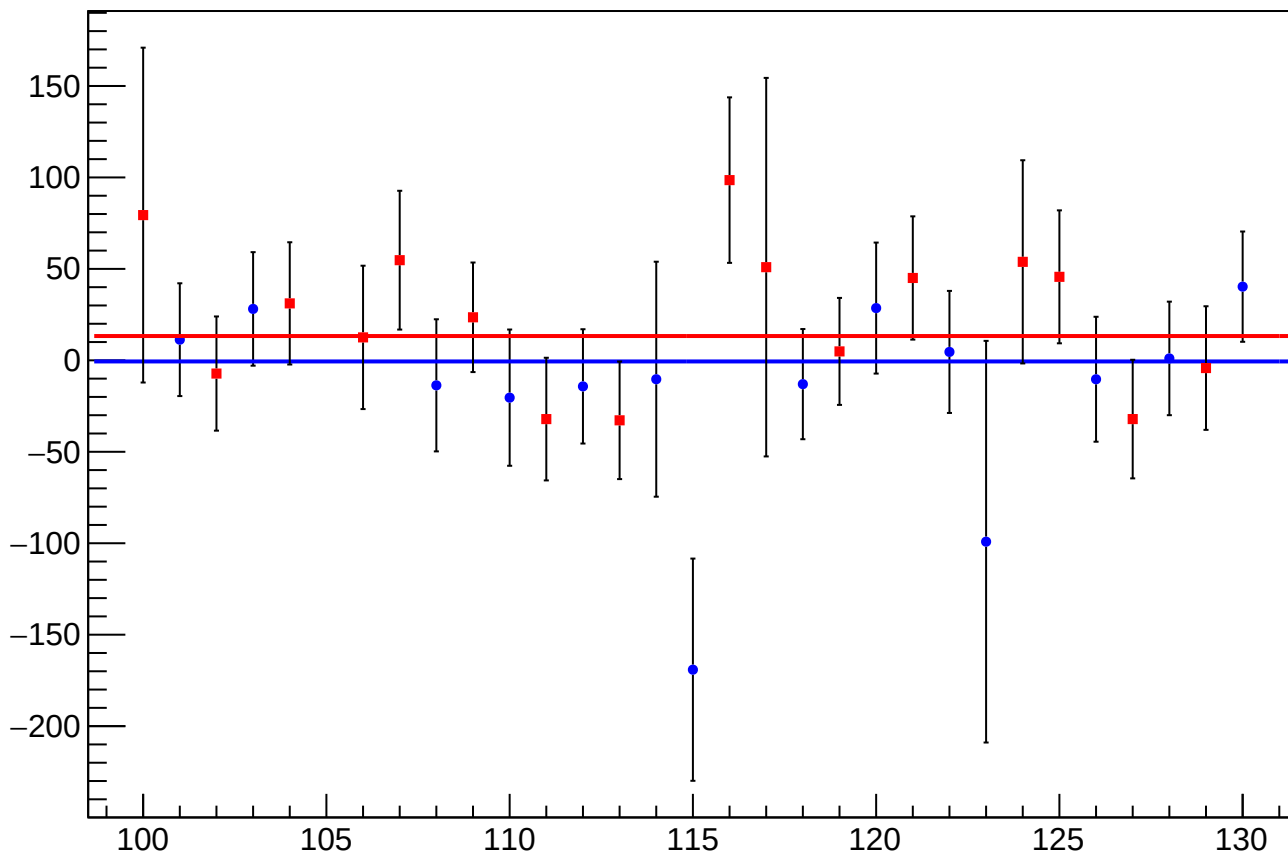
Right Out: 16.787+/-0.005 χ^2/NDF : 37031.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

16.589+/-0.005 χ^2/NDF : 39824.2/13

16.787+/-0.005 χ^2/NDF : 37031.7/15

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -0.602 $\pm$ 9.546 χ^2 /NDF: 12.9/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

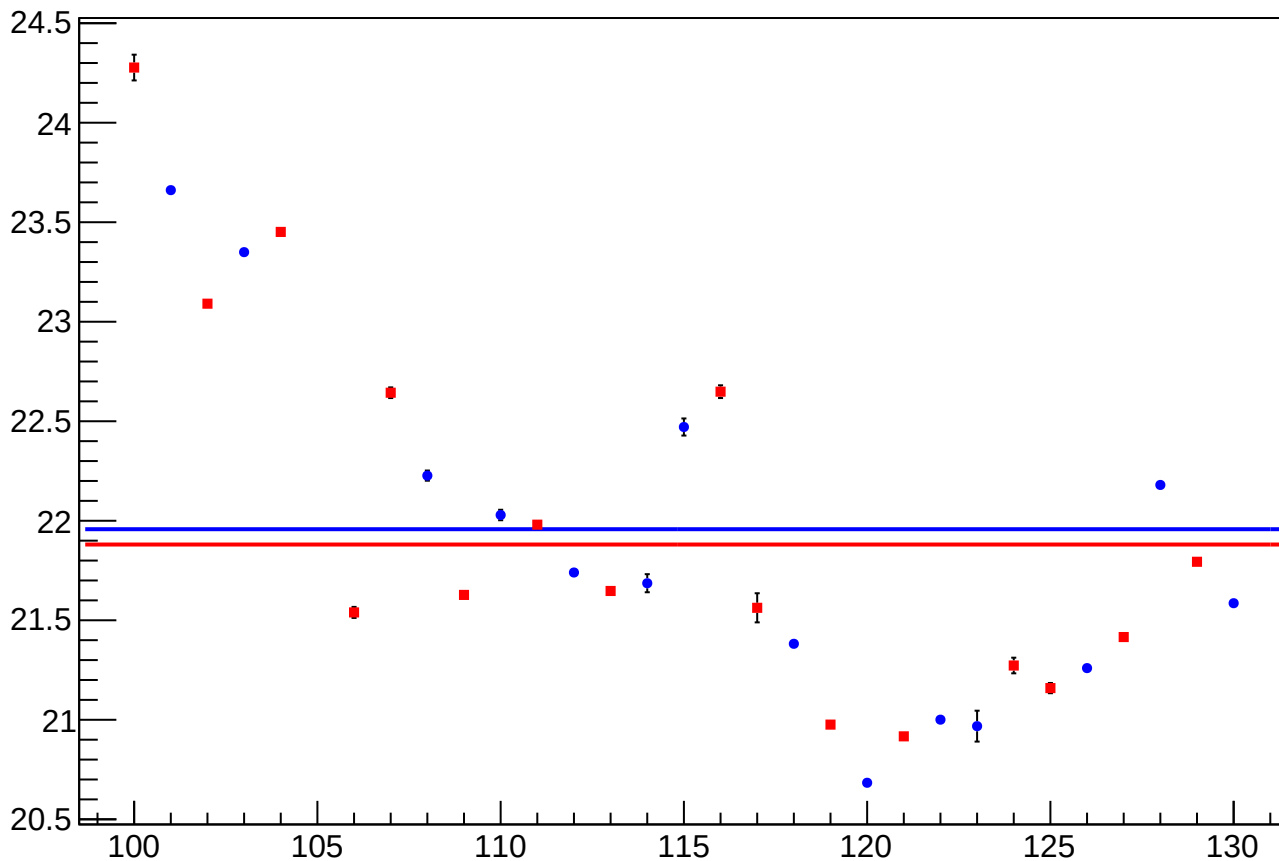
Right Out: 13.289 $\pm$ 9.167 χ^2 /NDF: 14.6/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

-0.602 $\pm$ 9.546 χ^2 /NDF: 12.9/13

13.289 $\pm$ 9.167 χ^2 /NDF: 14.6/15

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.958+/-0.007 χ^2/NDF : 16835.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

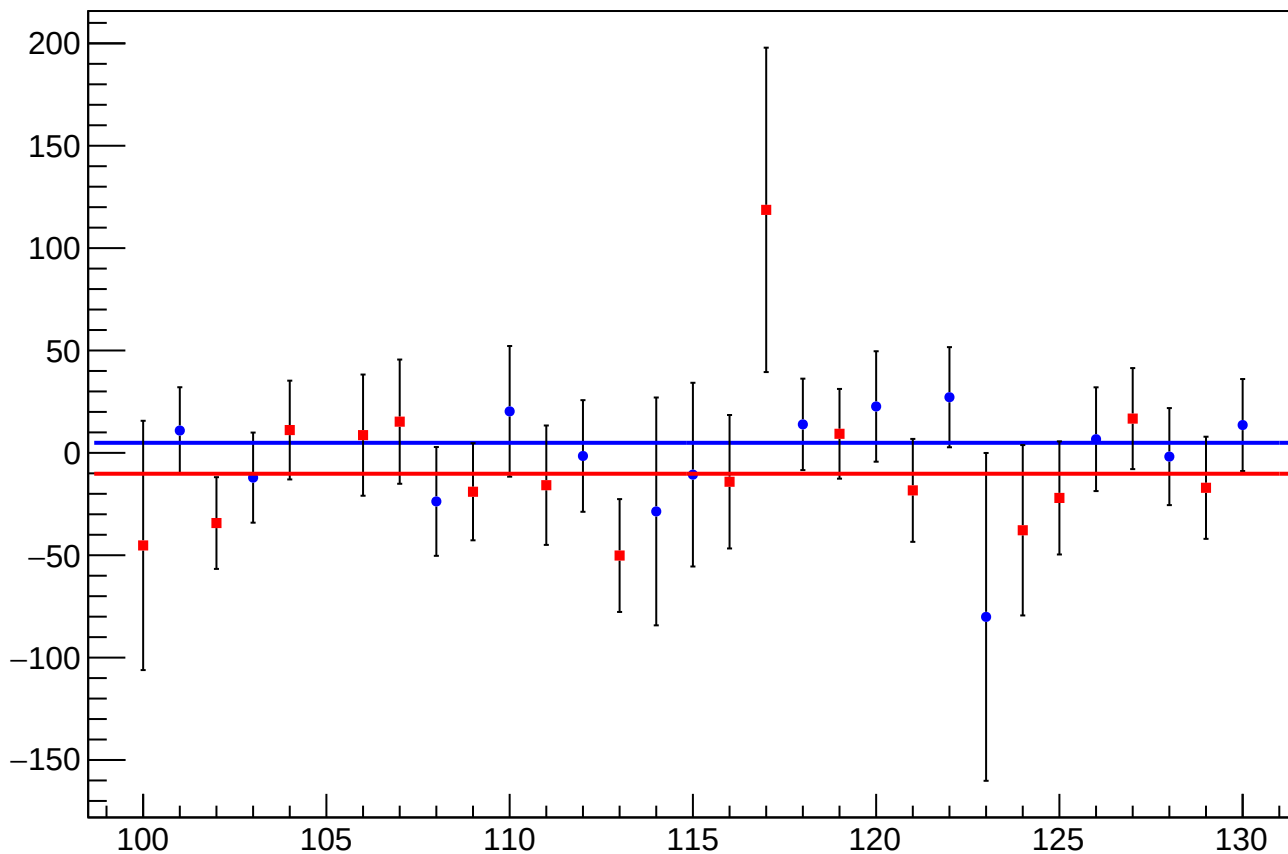
Right Out: 21.881+/-0.006 χ^2/NDF : 15617.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

21.958+/-0.007 χ^2/NDF : 16835.4/13

21.881+/-0.006 χ^2/NDF : 15617.7/15

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.913+/-7.181 χ^2/NDF : 5.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

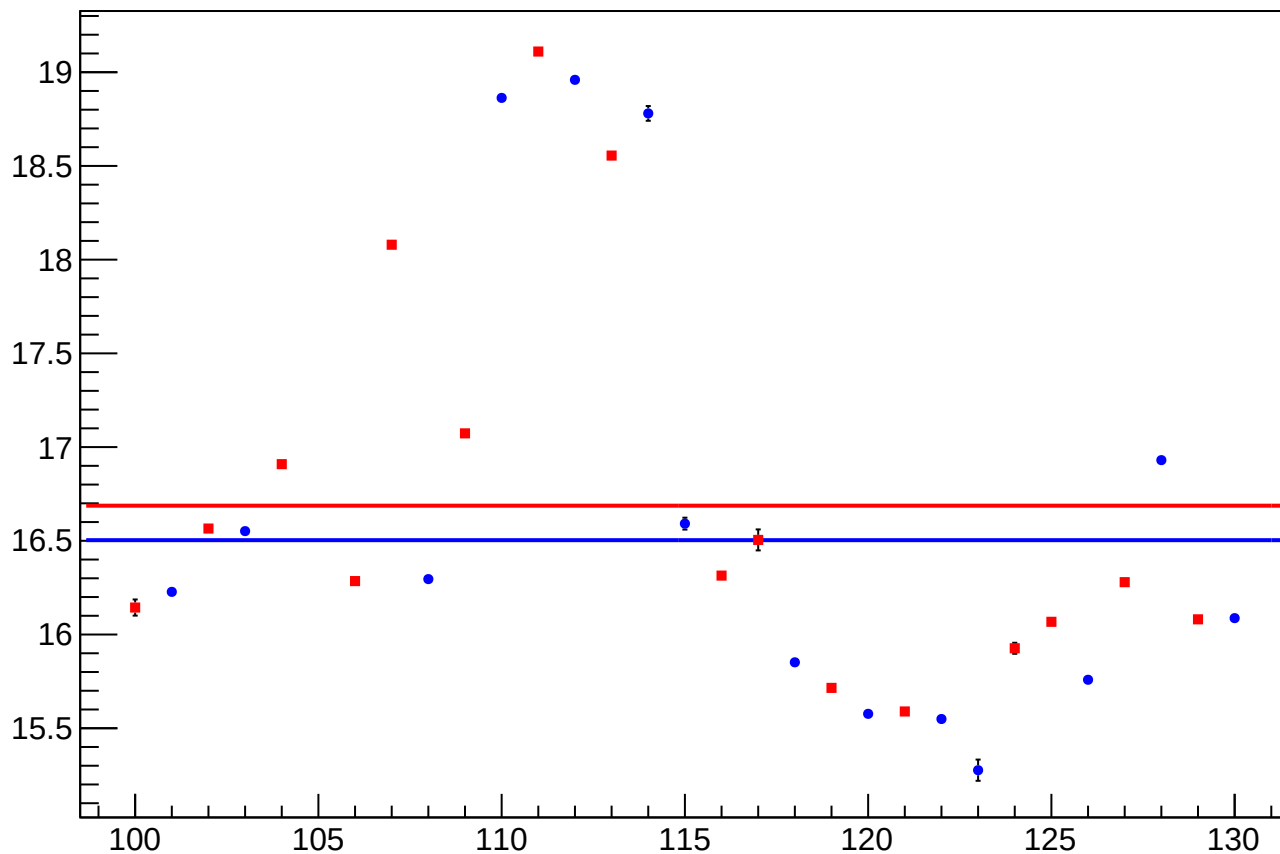
Right Out: -10.194+/-7.004 χ^2/NDF : 11.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

4.913+/-7.181 χ^2/NDF : 5.4/13

-10.194+/-7.004 χ^2/NDF : 11.1/15

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.503+/-0.005 χ^2/NDF : 41639.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

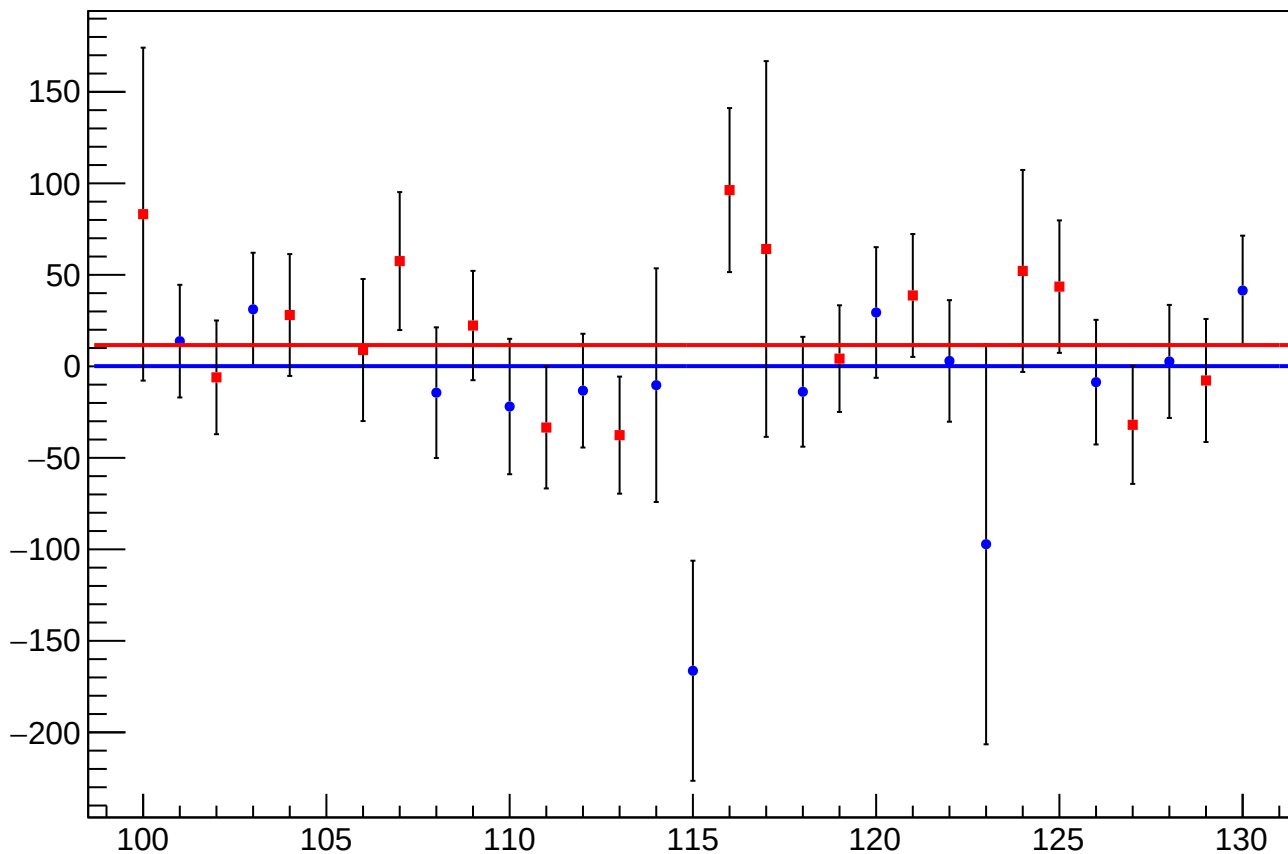
Right Out: 16.687+/-0.005 χ^2/NDF : 39924.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

16.503+/-0.005 χ^2/NDF : 41639.8/13

16.687+/-0.005 χ^2/NDF : 39924.7/15

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 0.118 $\pm$ 9.499 χ^2 /NDF: 13.3/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

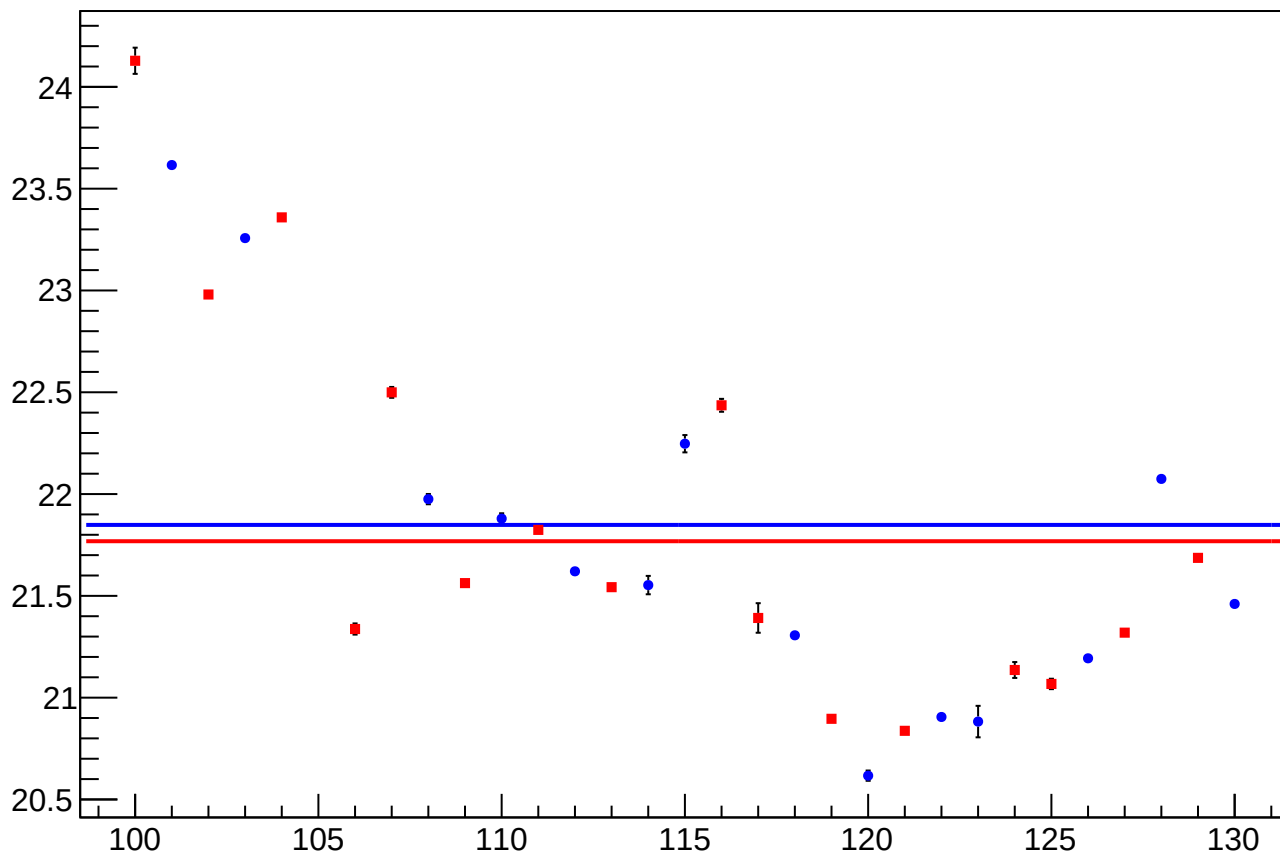
Right Out: 11.637 $\pm$ 9.120 χ^2 /NDF: 15.0/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.118 $\pm$ 9.499 χ^2 /NDF: 13.3/13

11.637 $\pm$ 9.120 χ^2 /NDF: 15.0/15

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.848 $\pm$ 0.007 χ^2 /NDF: 17002.6/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

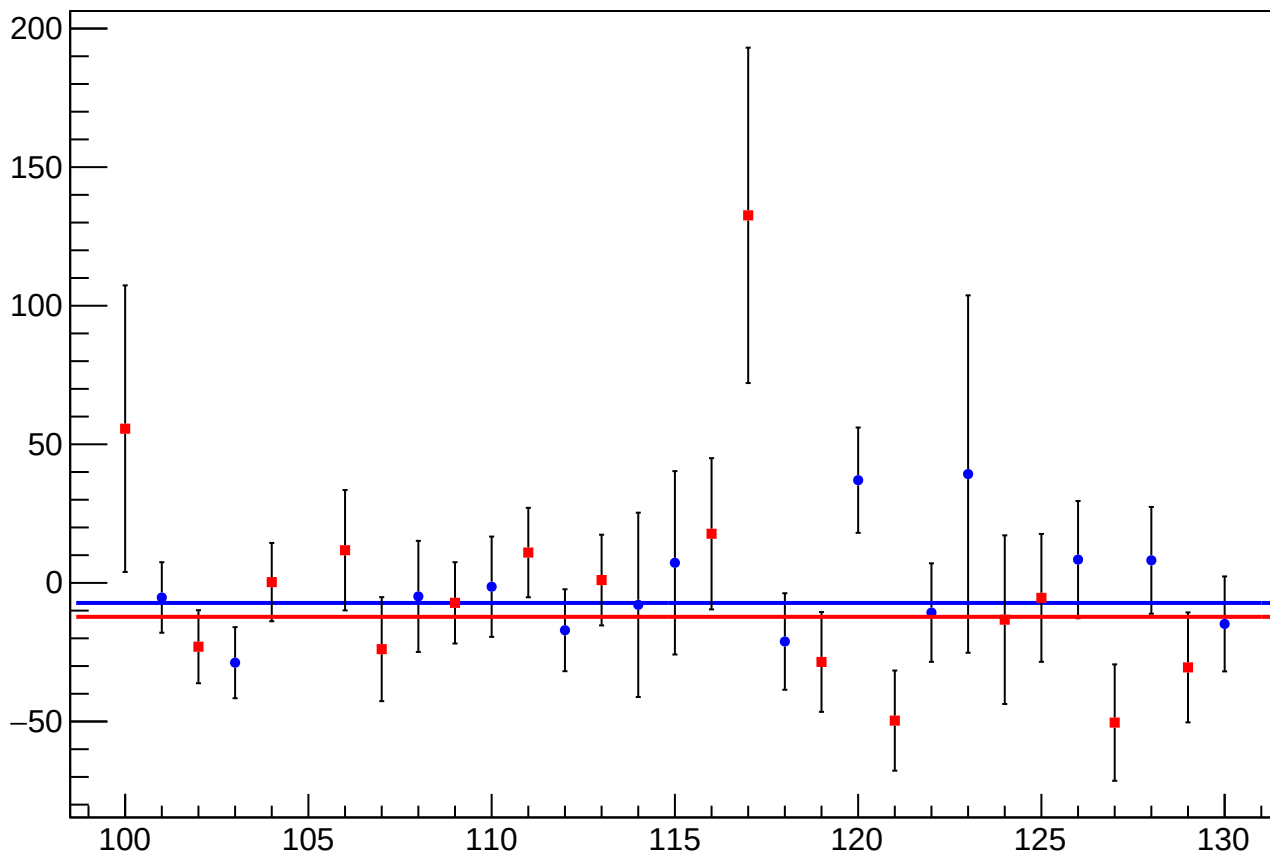
Right Out: 21.768 $\pm$ 0.006 χ^2 /NDF: 15370.0/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

21.848 $\pm$ 0.007 χ^2 /NDF: 17002.6/13

21.768 $\pm$ 0.006 χ^2 /NDF: 15370.0/15

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -7.232 $\pm$ 4.879 χ^2 /NDF: 11.6/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

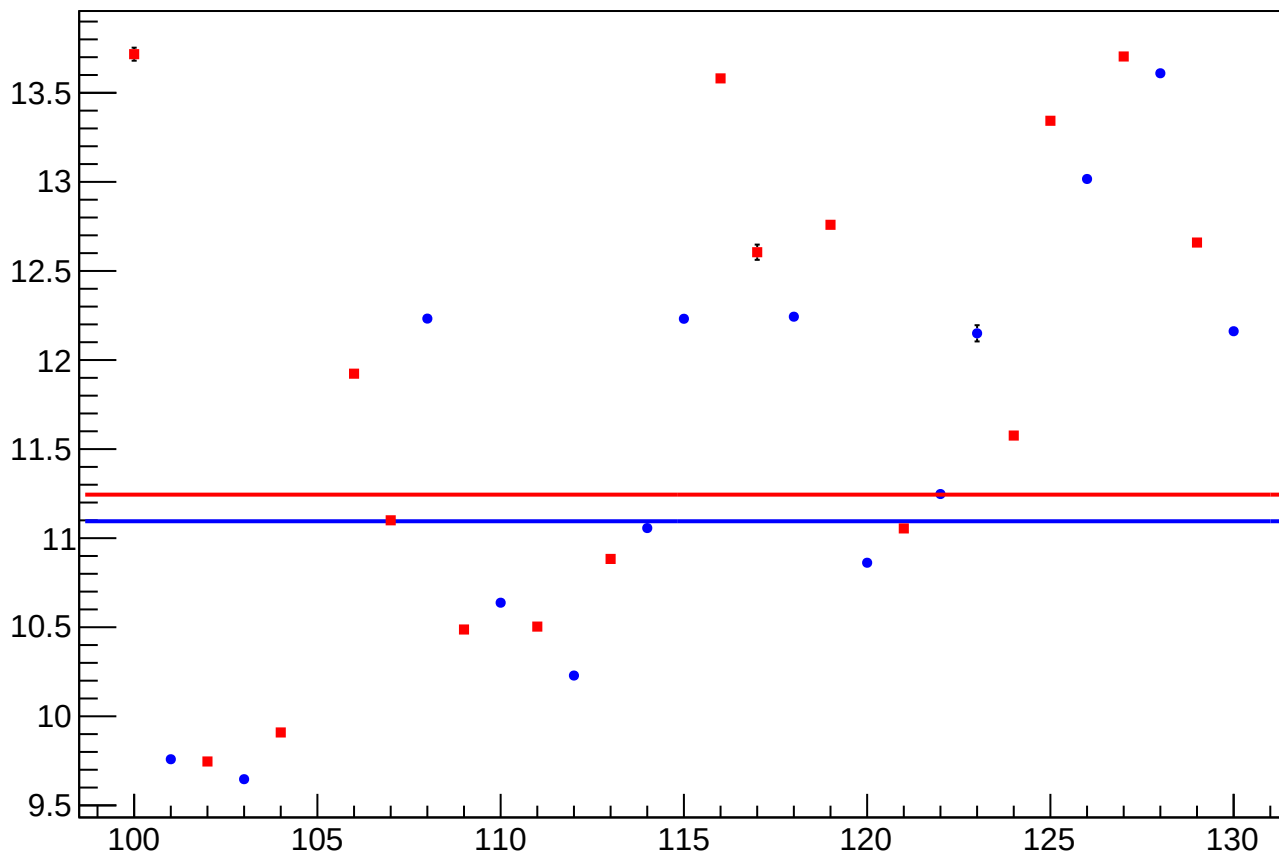
Right Out: -12.248 $\pm$ 4.775 χ^2 /NDF: 23.9/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

-7.232 $\pm$ 4.879 χ^2 /NDF: 11.6/13

-12.248 $\pm$ 4.775 χ^2 /NDF: 23.9/15

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.095+/-0.003 χ^2/NDF : 132538.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

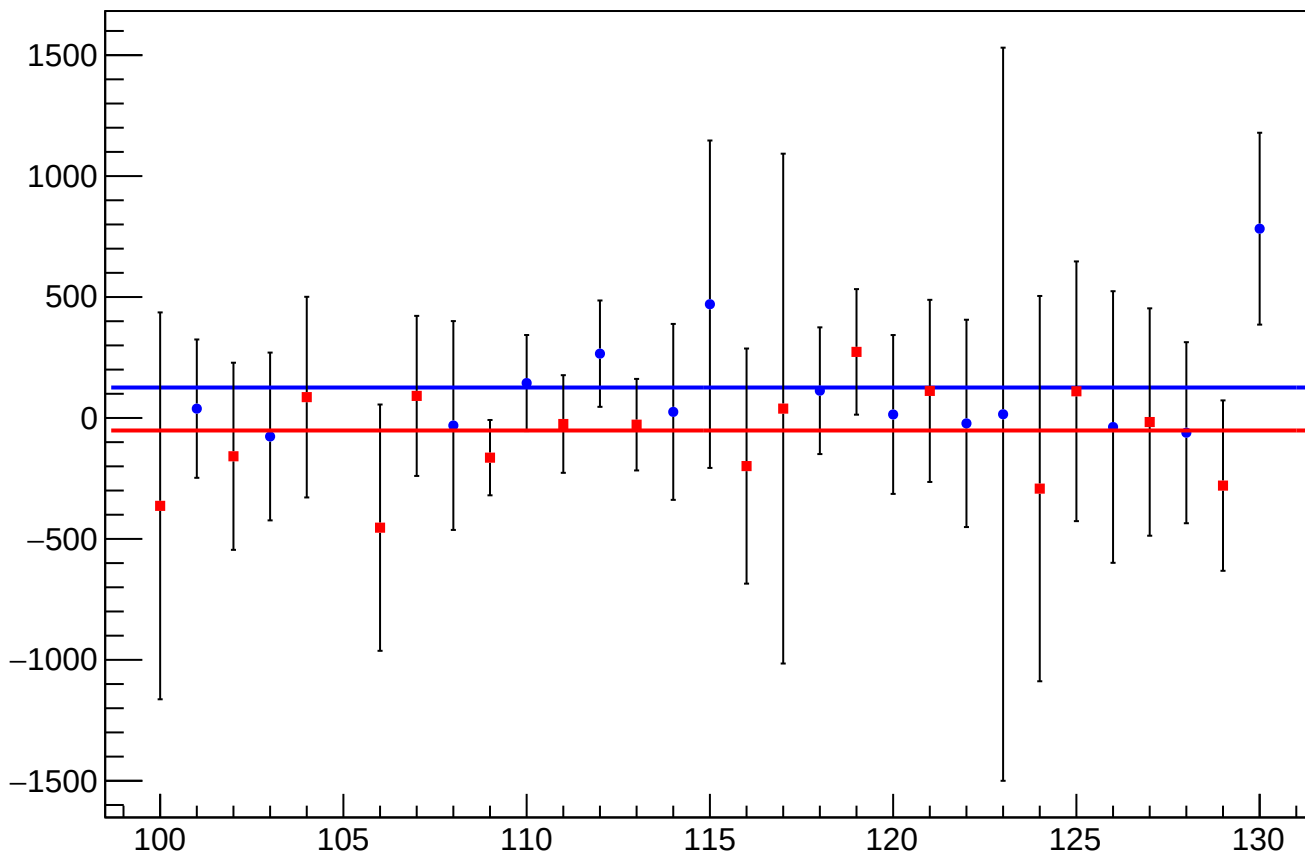
11.095+/-0.003 χ^2/NDF : 132538.7/13

Right Out: 11.244+/-0.003 χ^2/NDF : 145322.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

11.244+/-0.003 χ^2/NDF : 145322.1/15

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 125.938 $\pm$ 88.356 χ^2 /NDF: 4.6/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

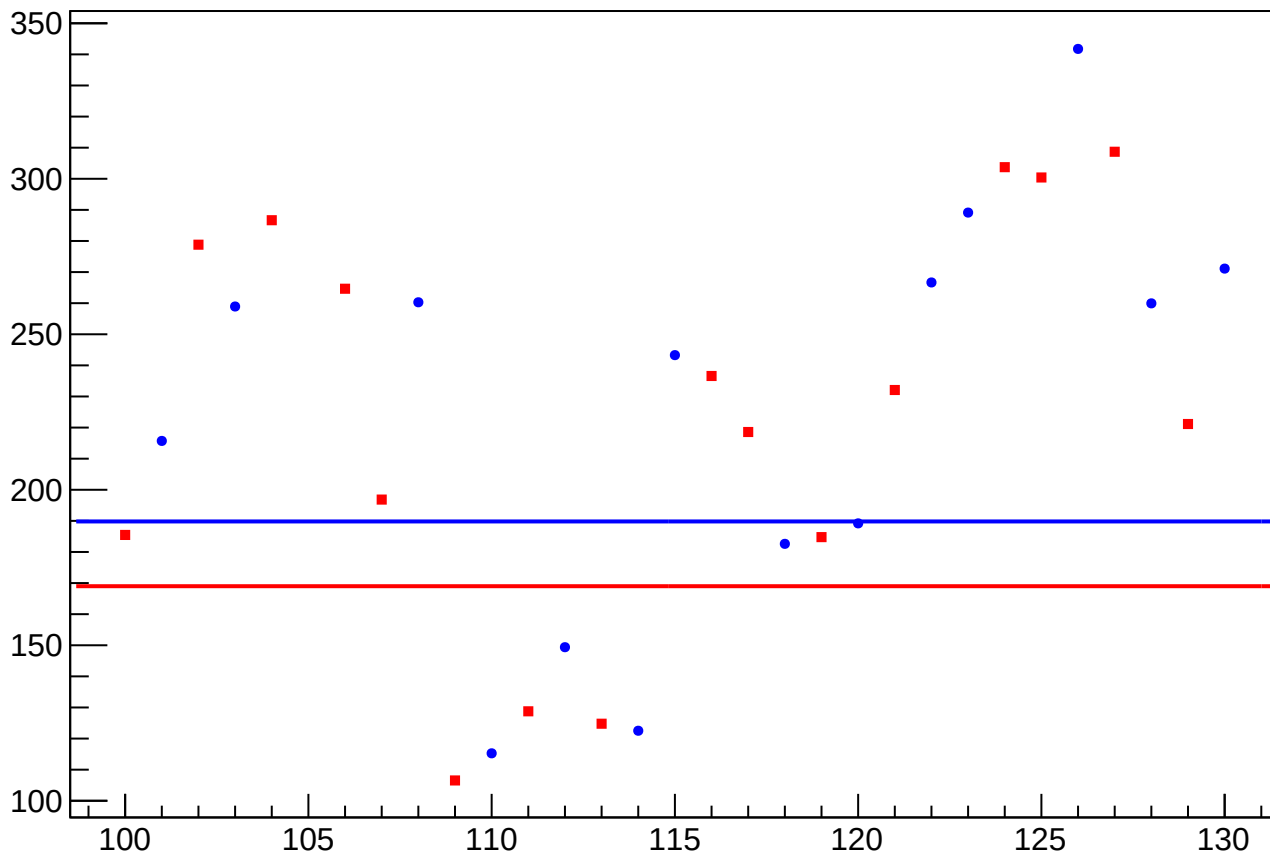
Right Out: -51.752 $\pm$ 77.747 χ^2 /NDF: 4.2/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

125.938 $\pm$ 88.356 χ^2 /NDF: 4.6/13

-51.752 $\pm$ 77.747 χ^2 /NDF: 4.2/15

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 189.817 $\pm$ 0.062 χ^2 /NDF: 954830.9/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

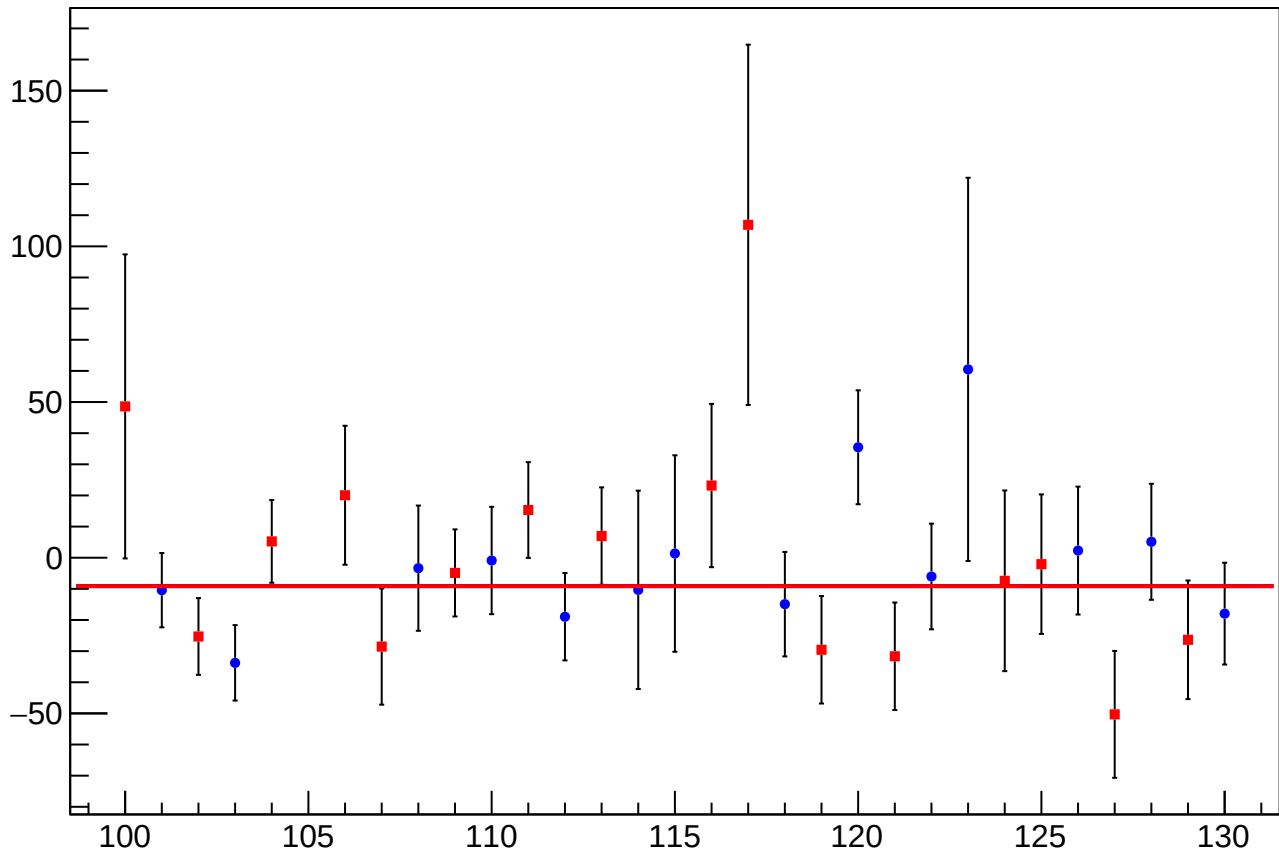
Right Out: 168.993 $\pm$ 0.055 χ^2 /NDF: 1422552.2/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

189.817 $\pm$ 0.062 χ^2 /NDF: 954830.9/13

168.993 $\pm$ 0.055 χ^2 /NDF: 1422552.2/15

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -9.101+/-4.661 χ^2/NDF : 13.6/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

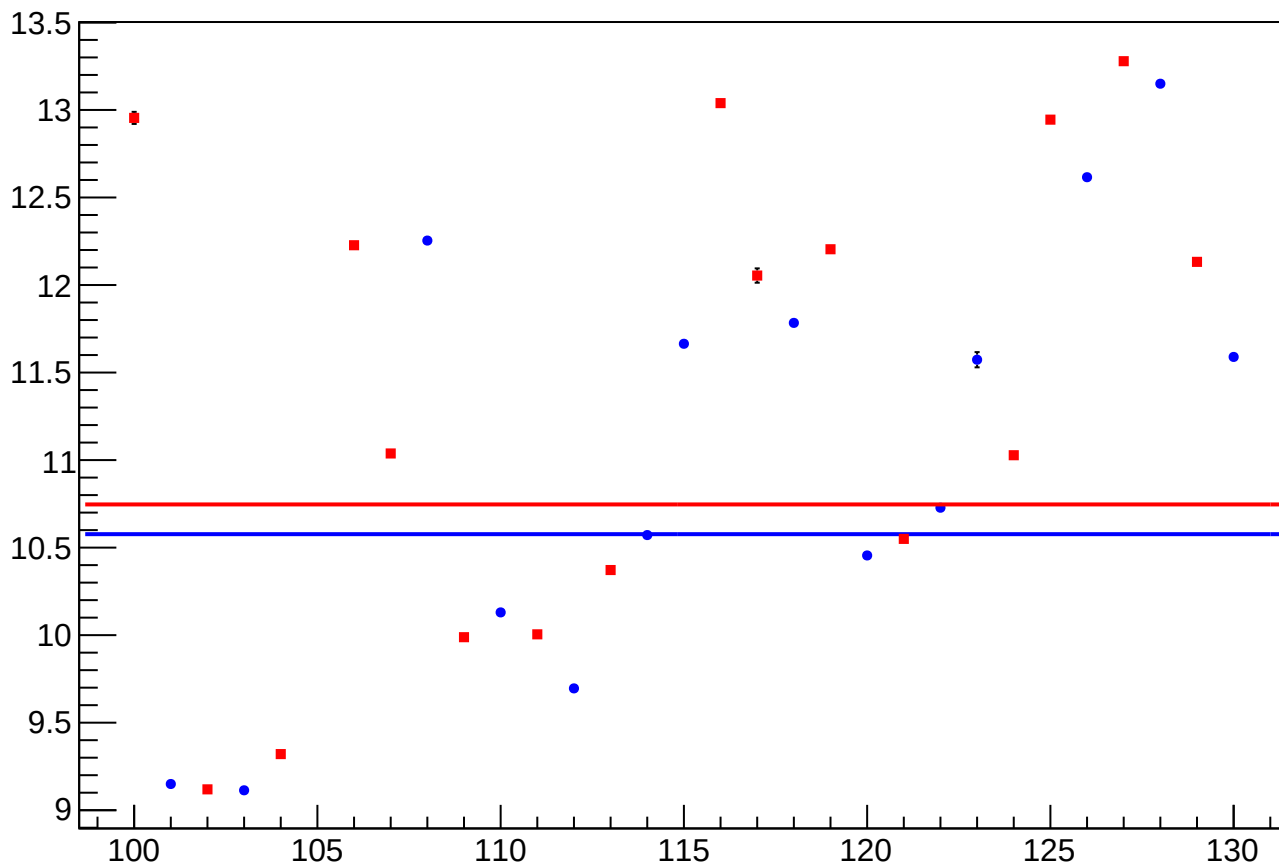
Right Out: -9.134+/-4.574 χ^2/NDF : 24.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-9.101+/-4.661 χ^2/NDF : 13.6/13

-9.134+/-4.574 χ^2/NDF : 24.4/15

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.577+/-0.003 χ^2/NDF : 159955.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

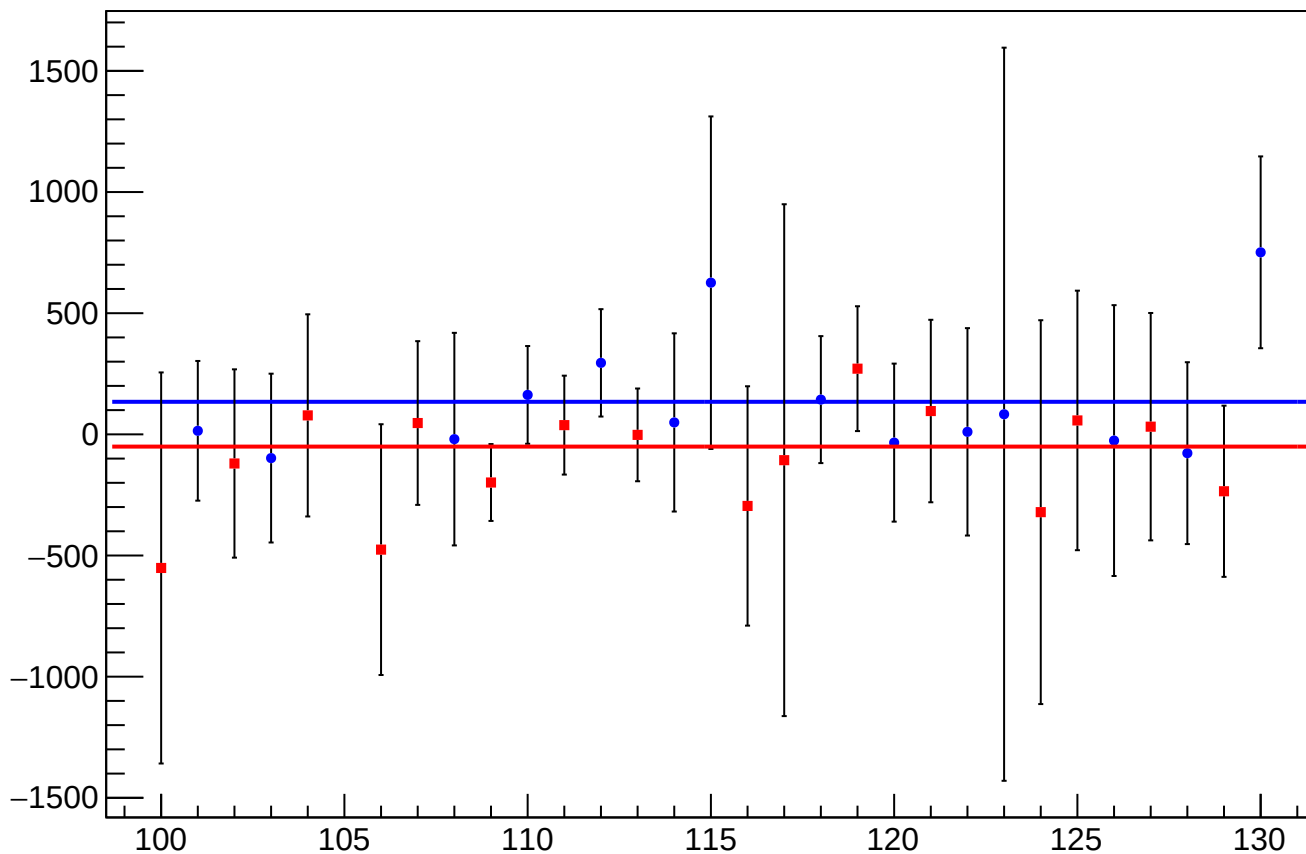
Right Out: 10.747+/-0.003 χ^2/NDF : 174702.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

10.577+/-0.003 χ^2/NDF : 159955.9/13

10.747+/-0.003 χ^2/NDF : 174702.4/15

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 134.352 $\pm$ 88.911 χ^2 /NDF: 5.0/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

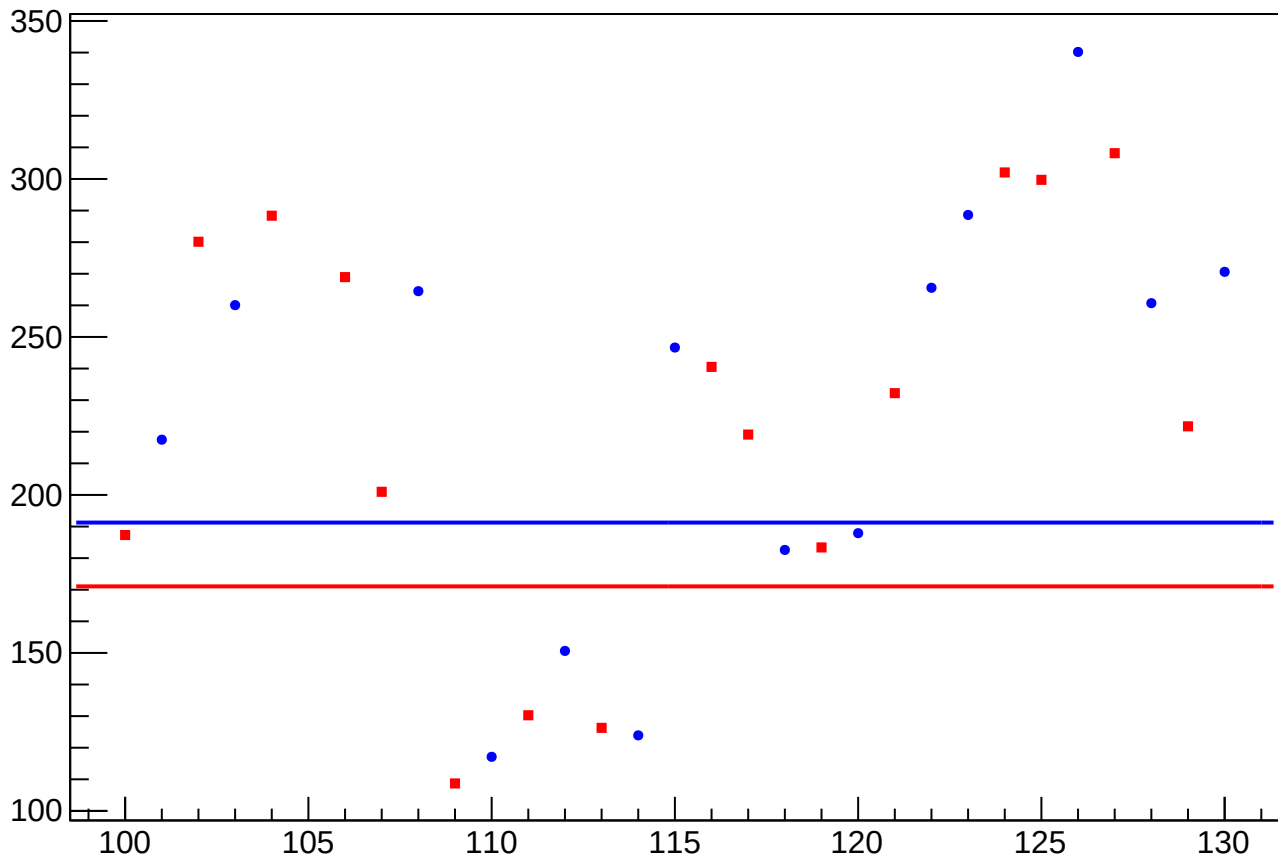
Right Out: -50.515 $\pm$ 78.519 χ^2 /NDF: 4.8/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

134.352 $\pm$ 88.911 χ^2 /NDF: 5.0/13

-50.515 $\pm$ 78.519 χ^2 /NDF: 4.8/15

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 191.257+/-0.063 χ^2/NDF : 929876.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

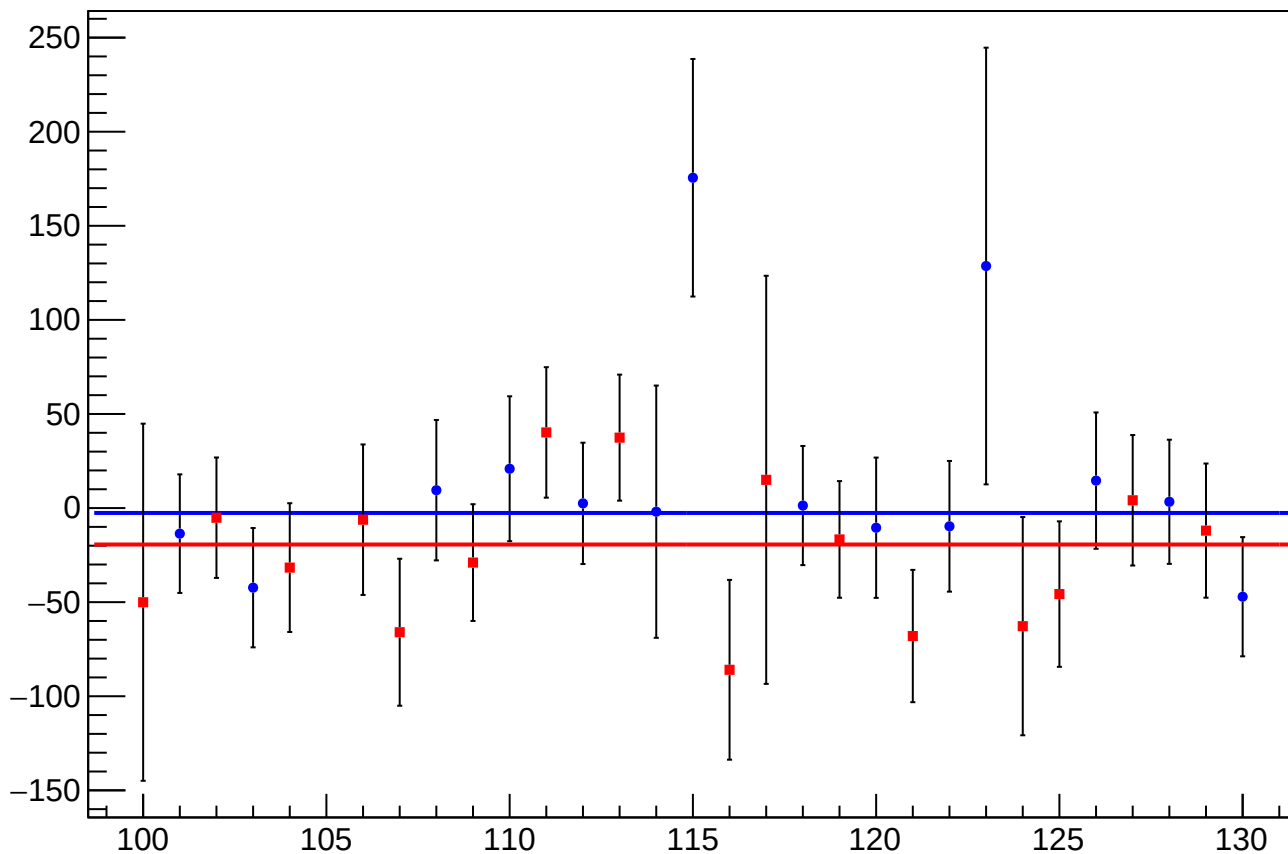
Right Out: 171.062+/-0.056 χ^2/NDF : 1385382.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

191.257+/-0.063 χ^2/NDF : 929876.3/13

171.062+/-0.056 χ^2/NDF : 1385382.1/15

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -2.593+/-9.936 χ^2/NDF : 13.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

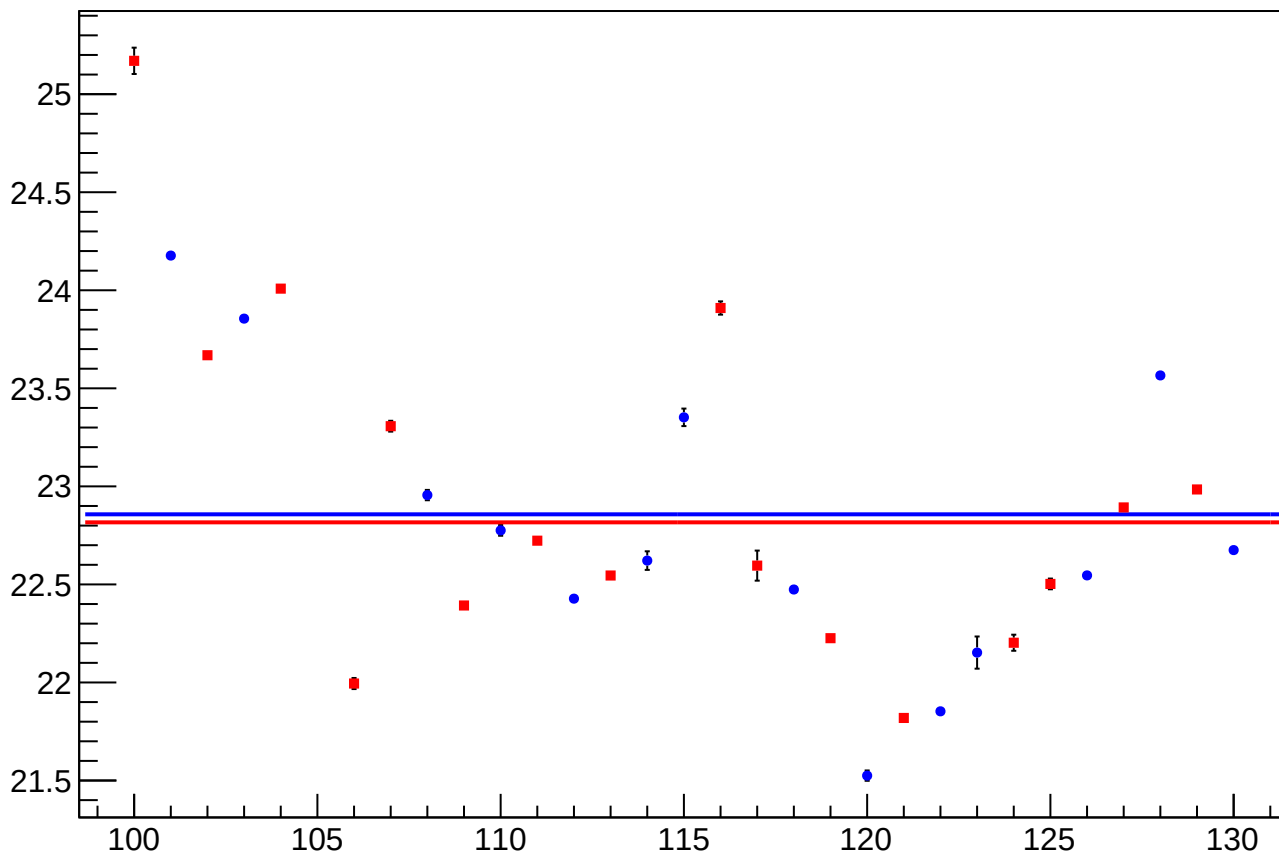
Right Out: -19.367+/-9.559 χ^2/NDF : 13.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-2.593+/-9.936 χ^2/NDF : 13.8/13

-19.367+/-9.559 χ^2/NDF : 13.4/15

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.857+/-0.007 χ^2 /NDF: 11748.9/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

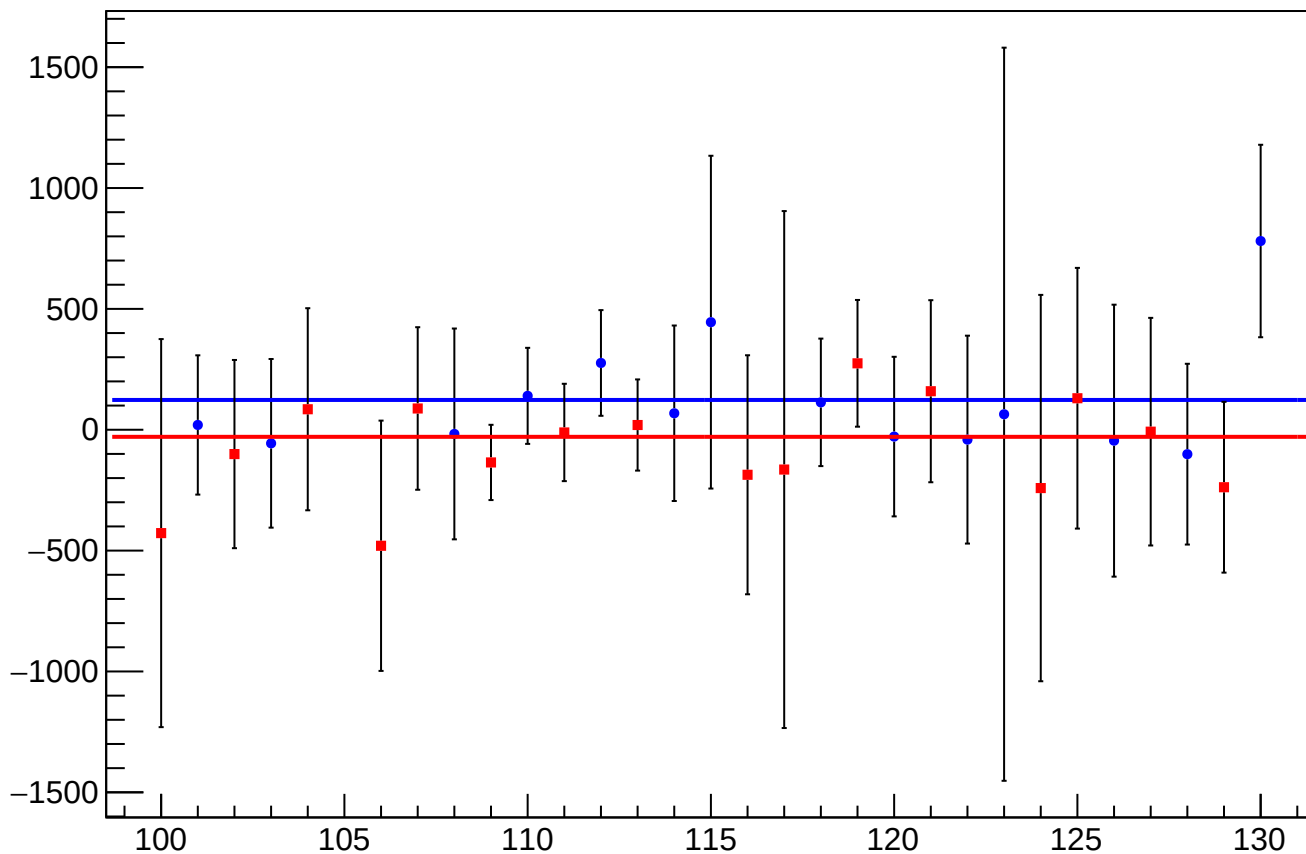
22.857+/-0.007 χ^2 /NDF: 11748.9/13

Right Out: 22.817+/-0.007 χ^2 /NDF: 10557.3/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

22.817+/-0.007 χ^2 /NDF: 10557.3/15

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 123.249+/-88.561 χ^2/NDF : 4.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

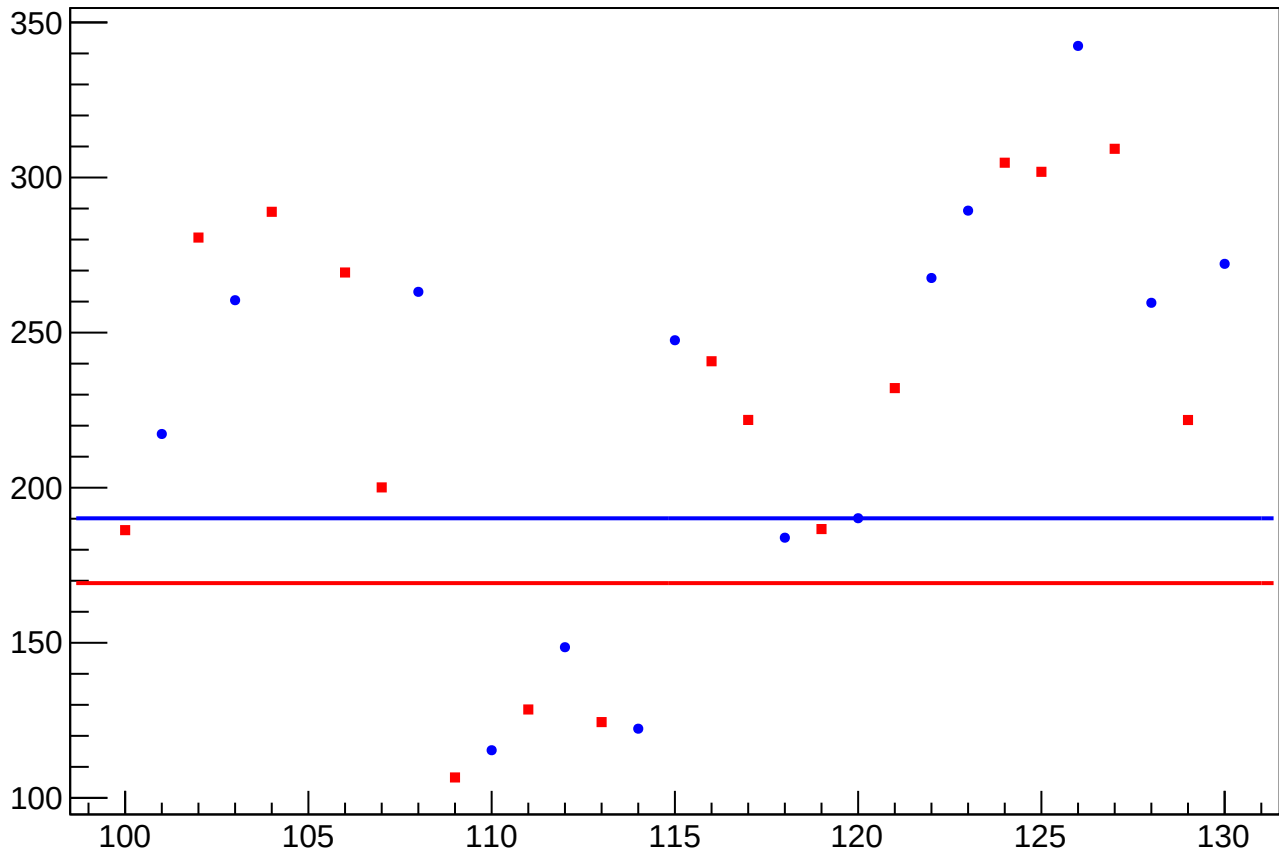
Right Out: -29.280+/-77.949 χ^2/NDF : 4.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

123.249+/-88.561 χ^2/NDF : 4.8/13

-29.280+/-77.949 χ^2/NDF : 4.0/15

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.133+/-0.063 χ^2/NDF : 969533.6/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

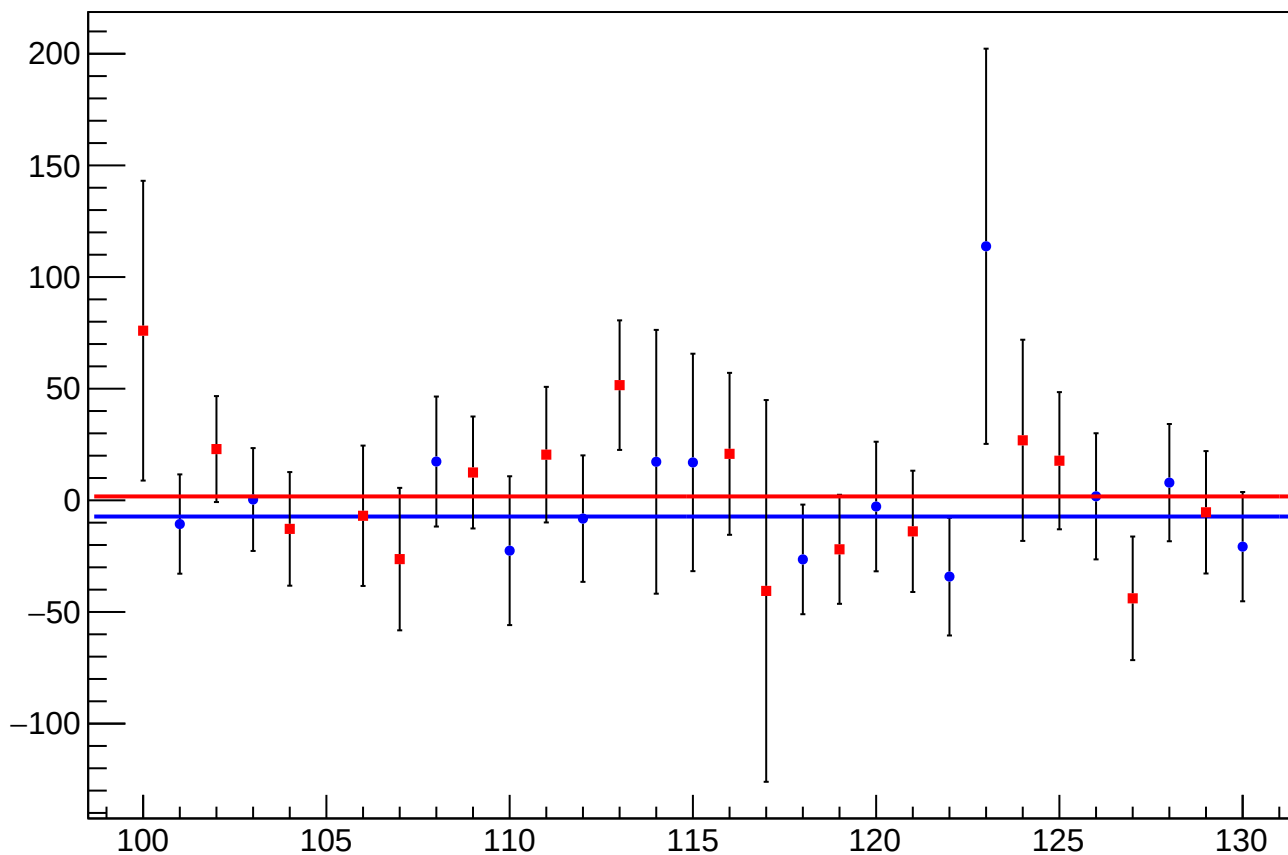
190.133+/-0.063 χ^2/NDF : 969533.6/13

Right Out: 169.238+/-0.055 χ^2/NDF : 1449922.3/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

169.238+/-0.055 χ^2/NDF : 1449922.3/15

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -7.251+/-7.732 χ^2/NDF : 5.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

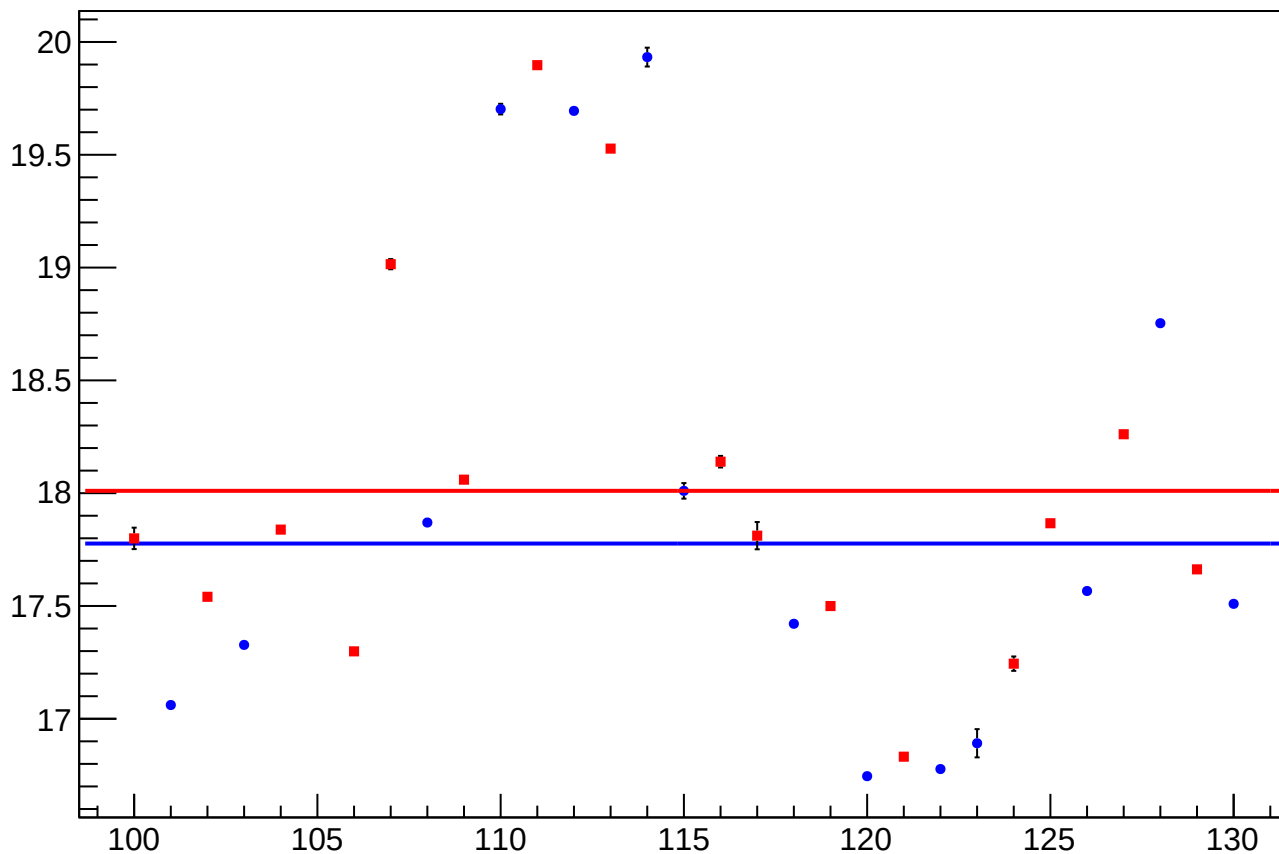
Right Out: 1.749+/-7.555 χ^2/NDF : 11.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-7.251+/-7.732 χ^2/NDF : 5.8/13

1.749+/-7.555 χ^2/NDF : 11.9/15

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.777 $\pm$ 0.005 χ^2 /NDF: 30547.8/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

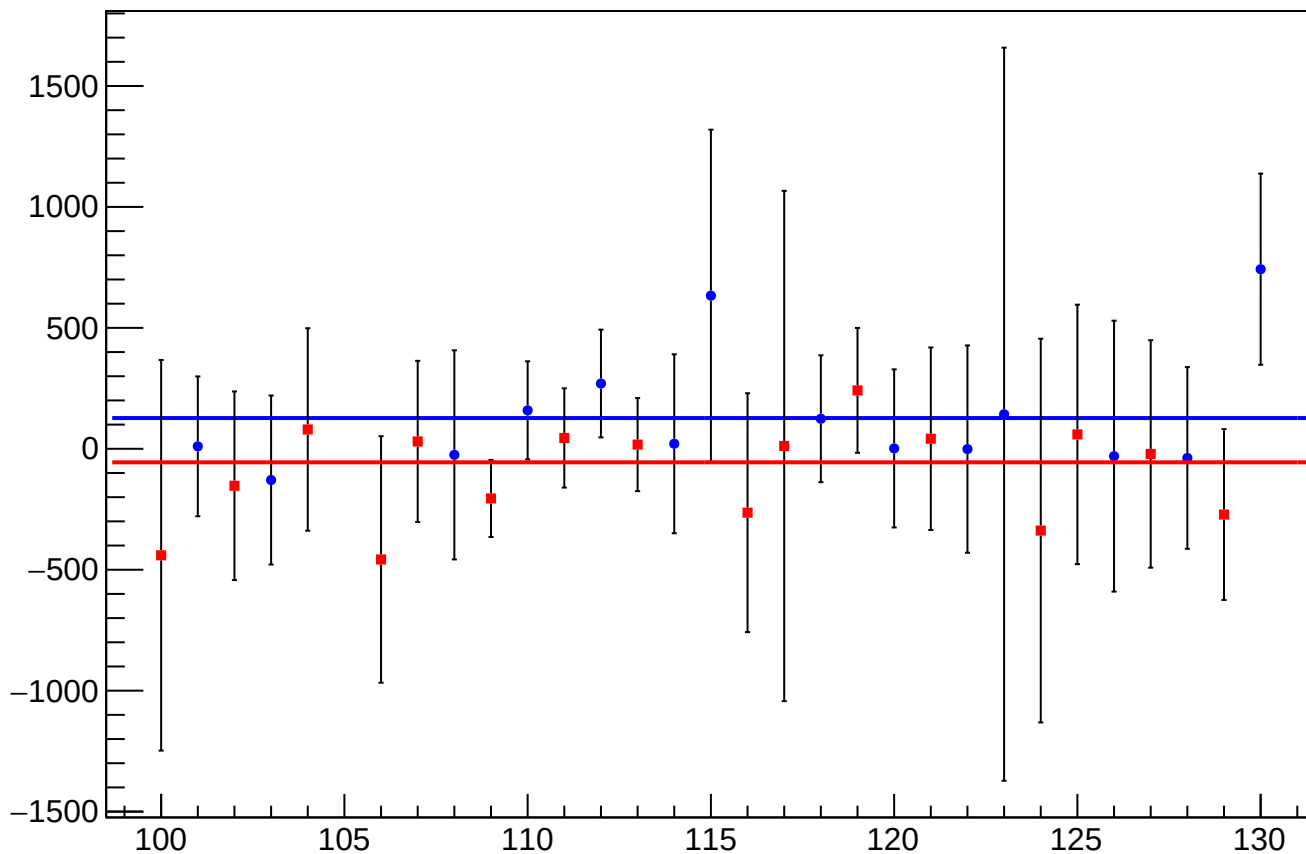
Right Out: 18.010 $\pm$ 0.005 χ^2 /NDF: 22887.6/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

17.777 $\pm$ 0.005 χ^2 /NDF: 30547.8/13

18.010 $\pm$ 0.005 χ^2 /NDF: 22887.6/15

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 127.104+/-89.138 χ^2/NDF : 4.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

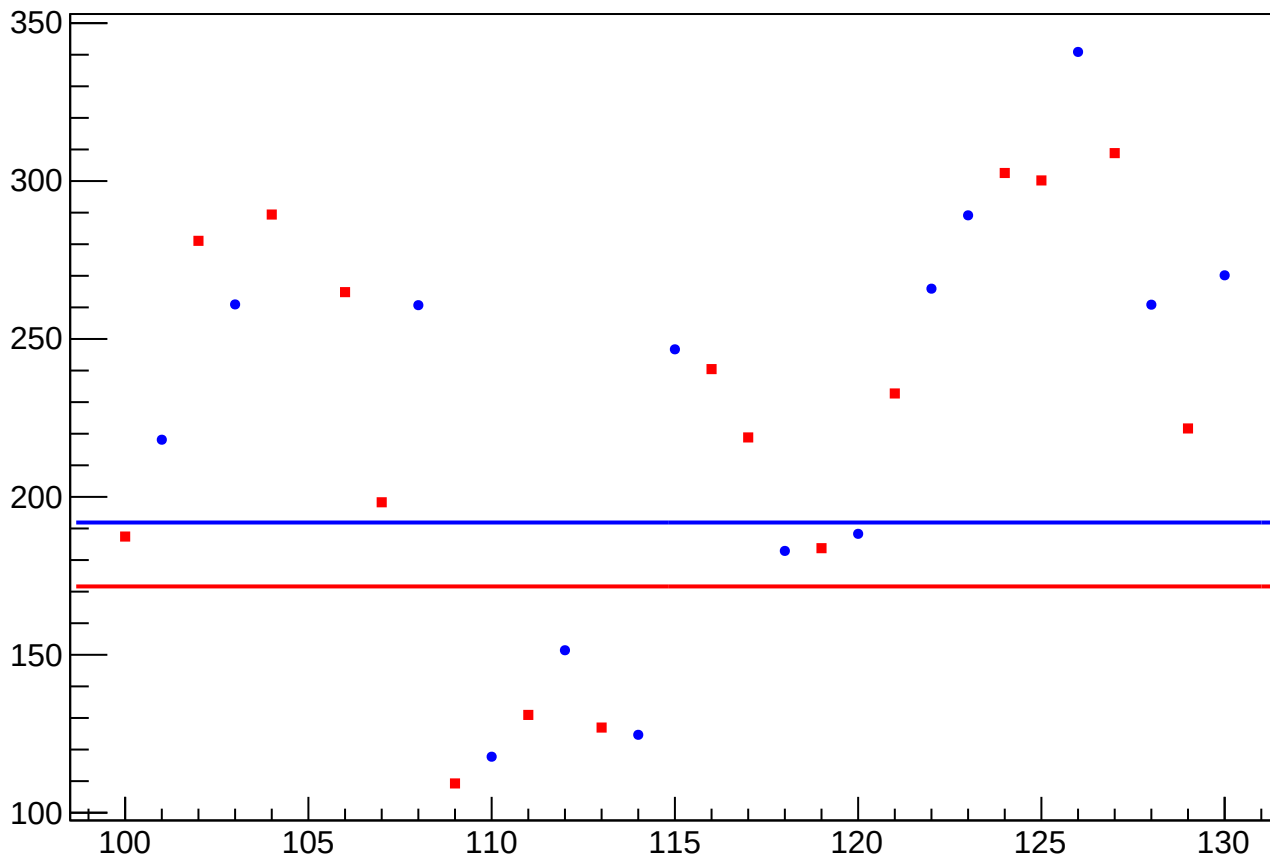
Right Out: -55.847+/-78.717 χ^2/NDF : 4.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

127.104+/-89.138 χ^2/NDF : 4.8/13

-55.847+/-78.717 χ^2/NDF : 4.5/15

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.888 $\pm$ 0.063 χ^2 /NDF: 915469.2/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

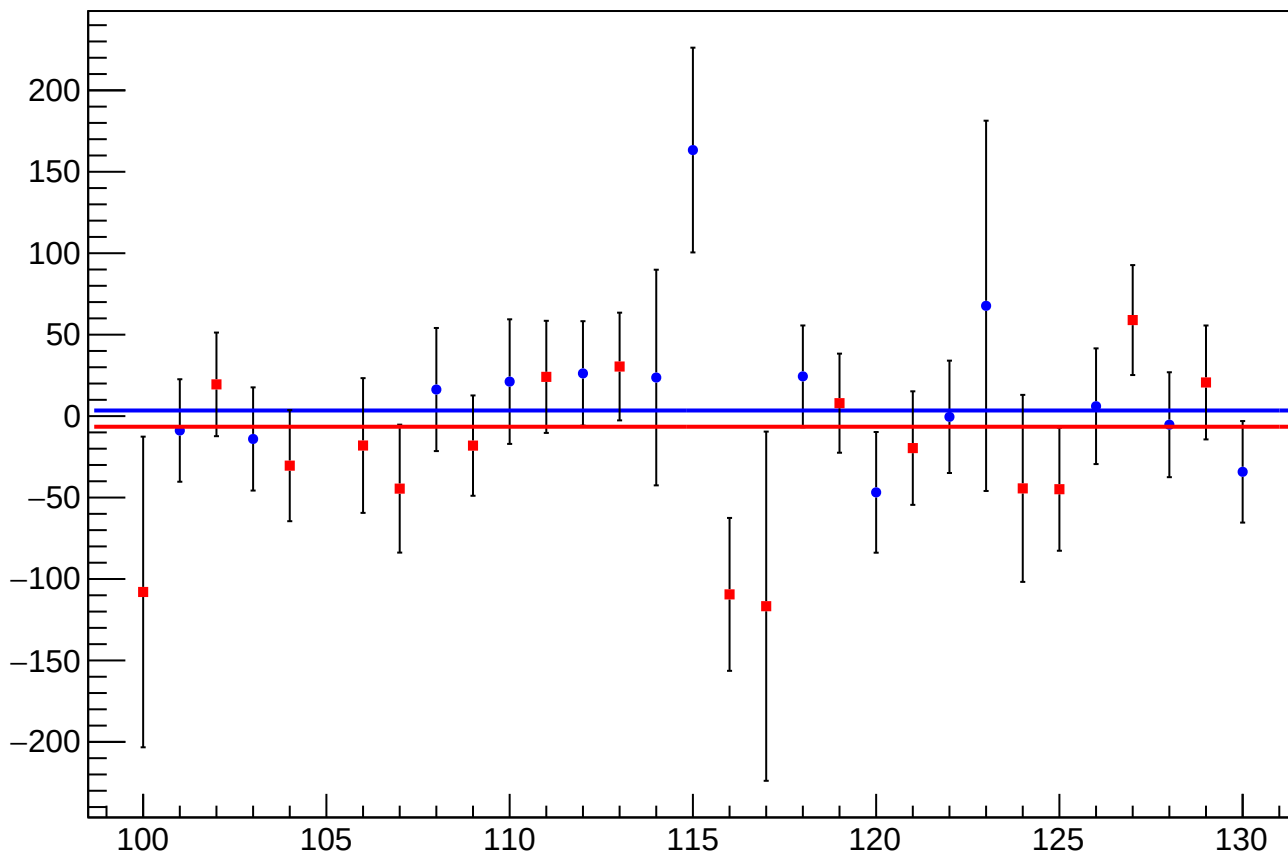
Right Out: 171.646 $\pm$ 0.056 χ^2 /NDF: 1368037.0/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

191.888 $\pm$ 0.063 χ^2 /NDF: 915469.2/13

171.646 $\pm$ 0.056 χ^2 /NDF: 1368037.0/15

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.451+/-9.852 χ^2/NDF : 12.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

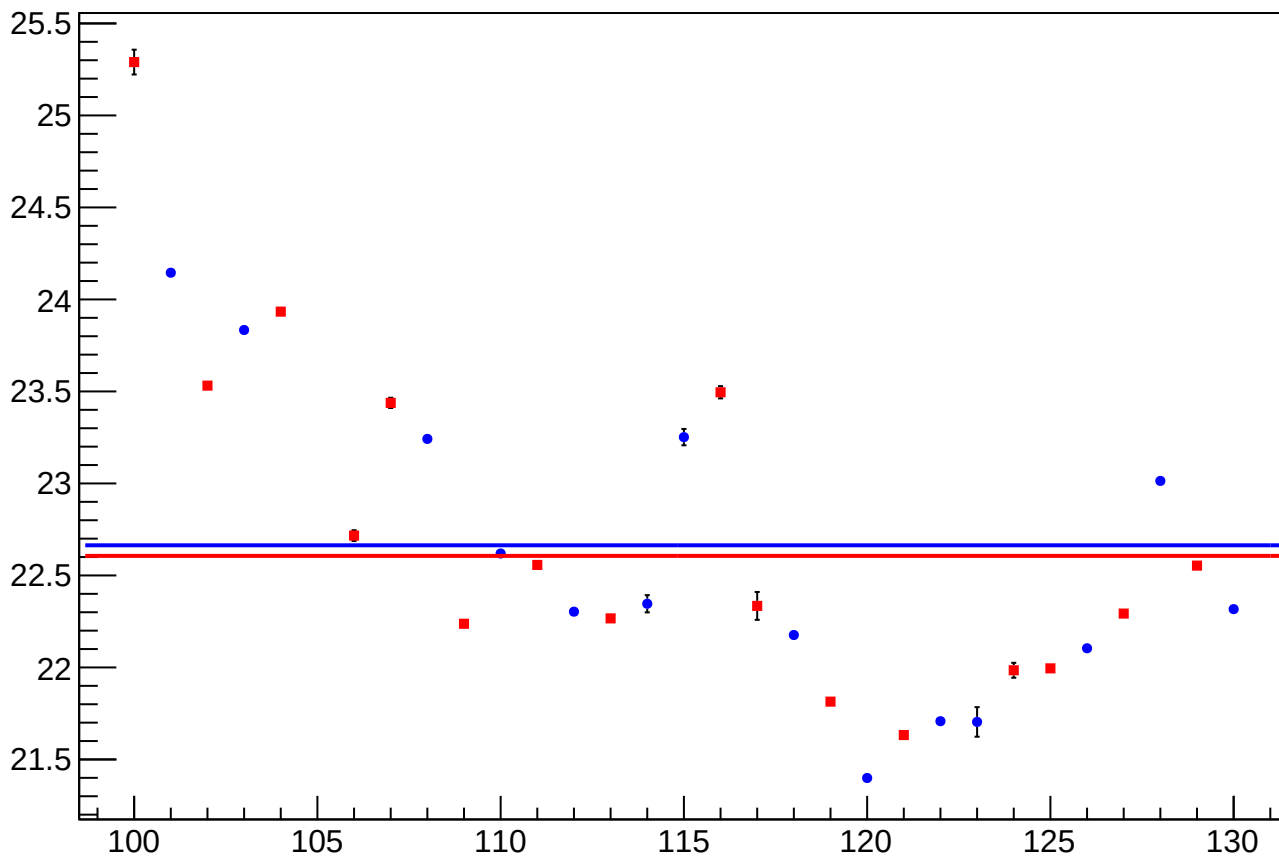
Right Out: -6.521+/-9.471 χ^2/NDF : 17.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

3.451+/-9.852 χ^2/NDF : 12.0/13

-6.521+/-9.471 χ^2/NDF : 17.6/15

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.664+/-0.007 χ^2/NDF : 13583.6/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

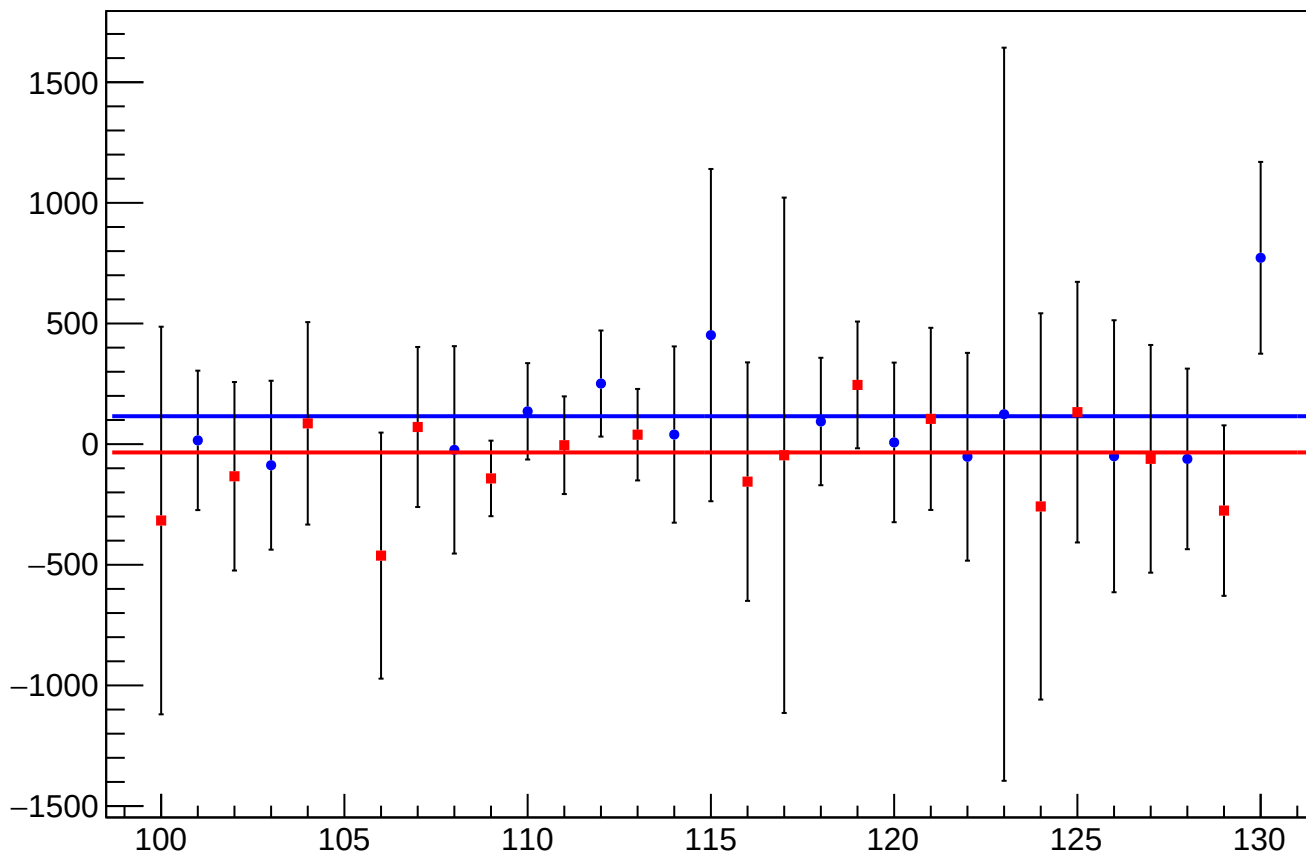
22.664+/-0.007 χ^2/NDF : 13583.6/13

Right Out: 22.606+/-0.007 χ^2/NDF : 12301.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

22.606+/-0.007 χ^2/NDF : 12301.2/15

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 115.734 $\pm$ 88.792 χ^2 /NDF: 4.5/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

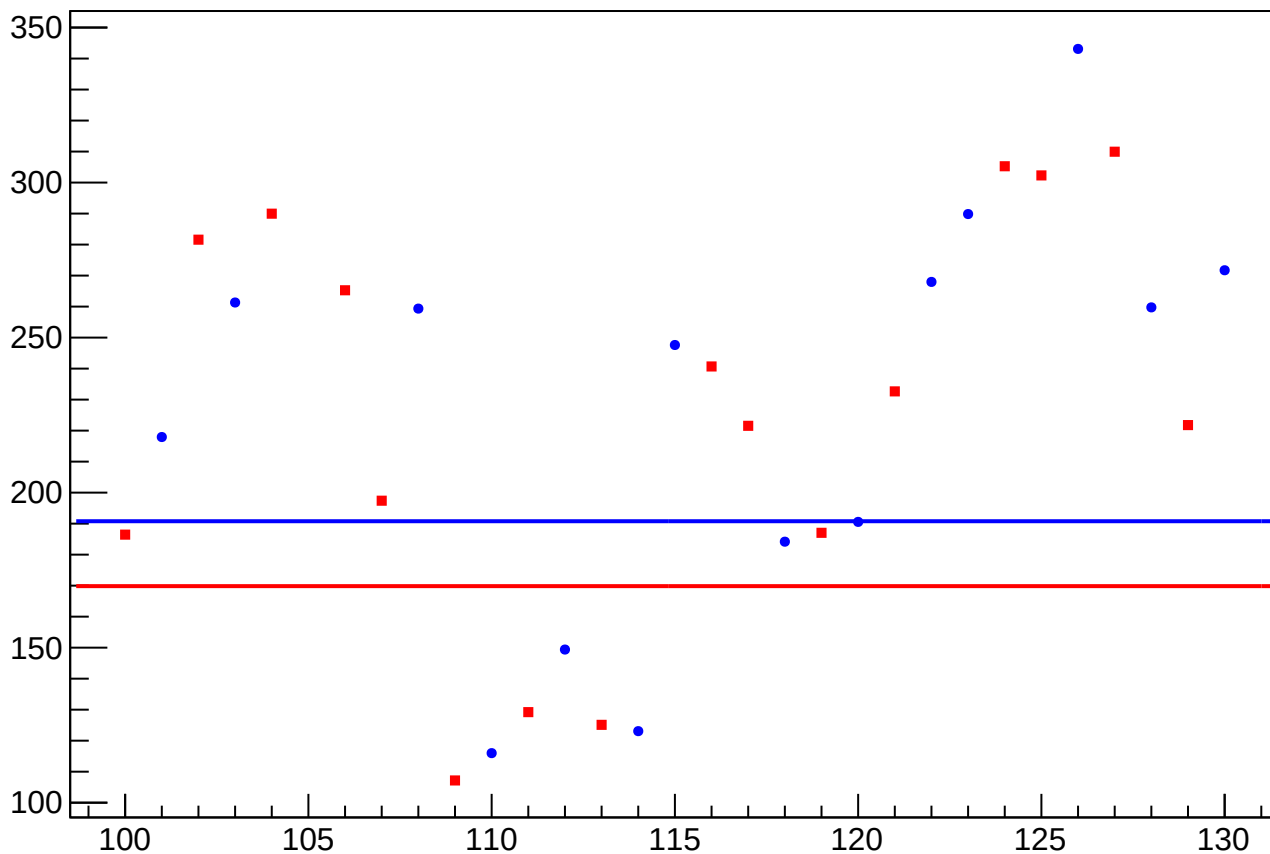
Right Out: -34.426 $\pm$ 78.152 χ^2 /NDF: 3.7/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

115.734 $\pm$ 88.792 χ^2 /NDF: 4.5/13

-34.426 $\pm$ 78.152 χ^2 /NDF: 3.7/15

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 190.777 $\pm$ 0.063 χ^2 /NDF: 954471.1/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

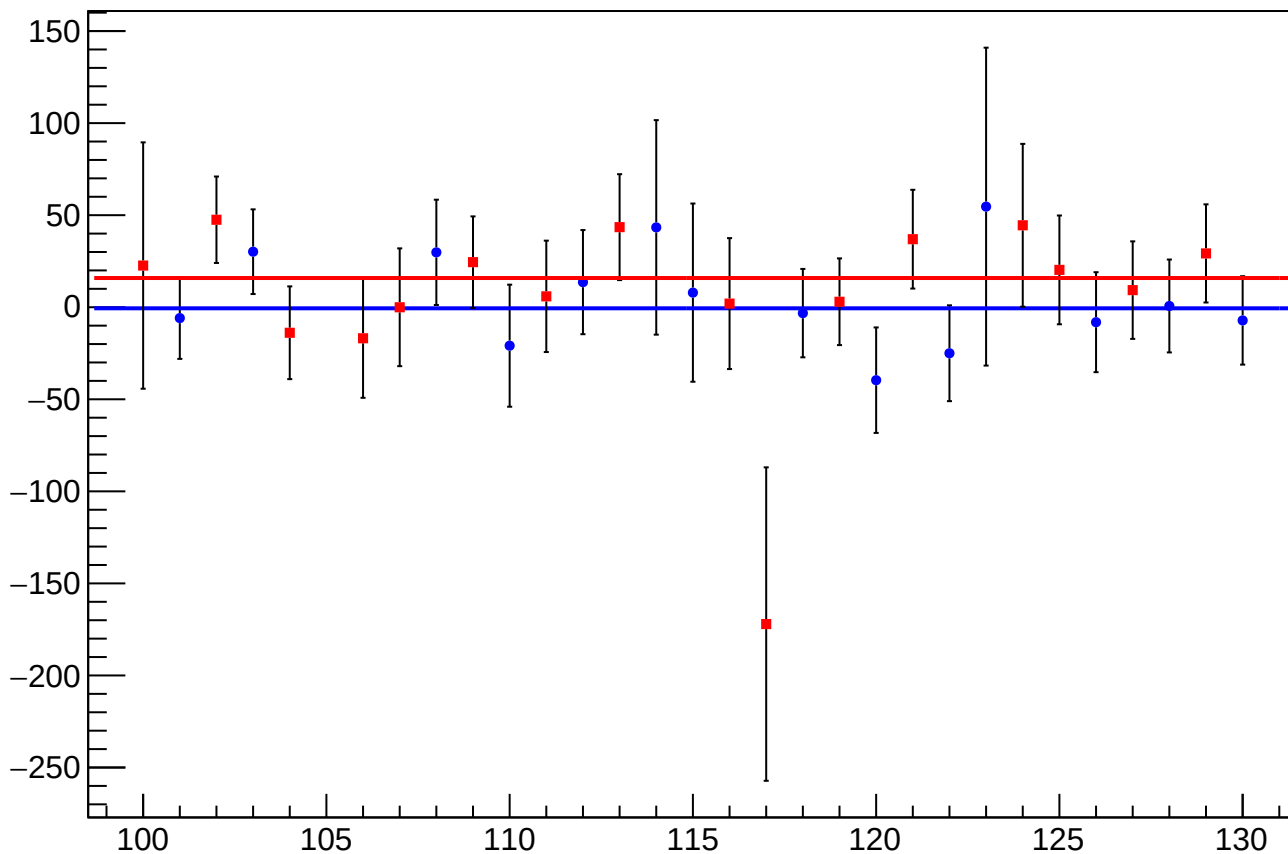
Right Out: 169.841 $\pm$ 0.055 χ^2 /NDF: 1431781.5/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

190.777 $\pm$ 0.063 χ^2 /NDF: 954471.1/13

169.841 $\pm$ 0.055 χ^2 /NDF: 1431781.5/15

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.583+/-7.612 χ^2 /NDF: 7.5/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

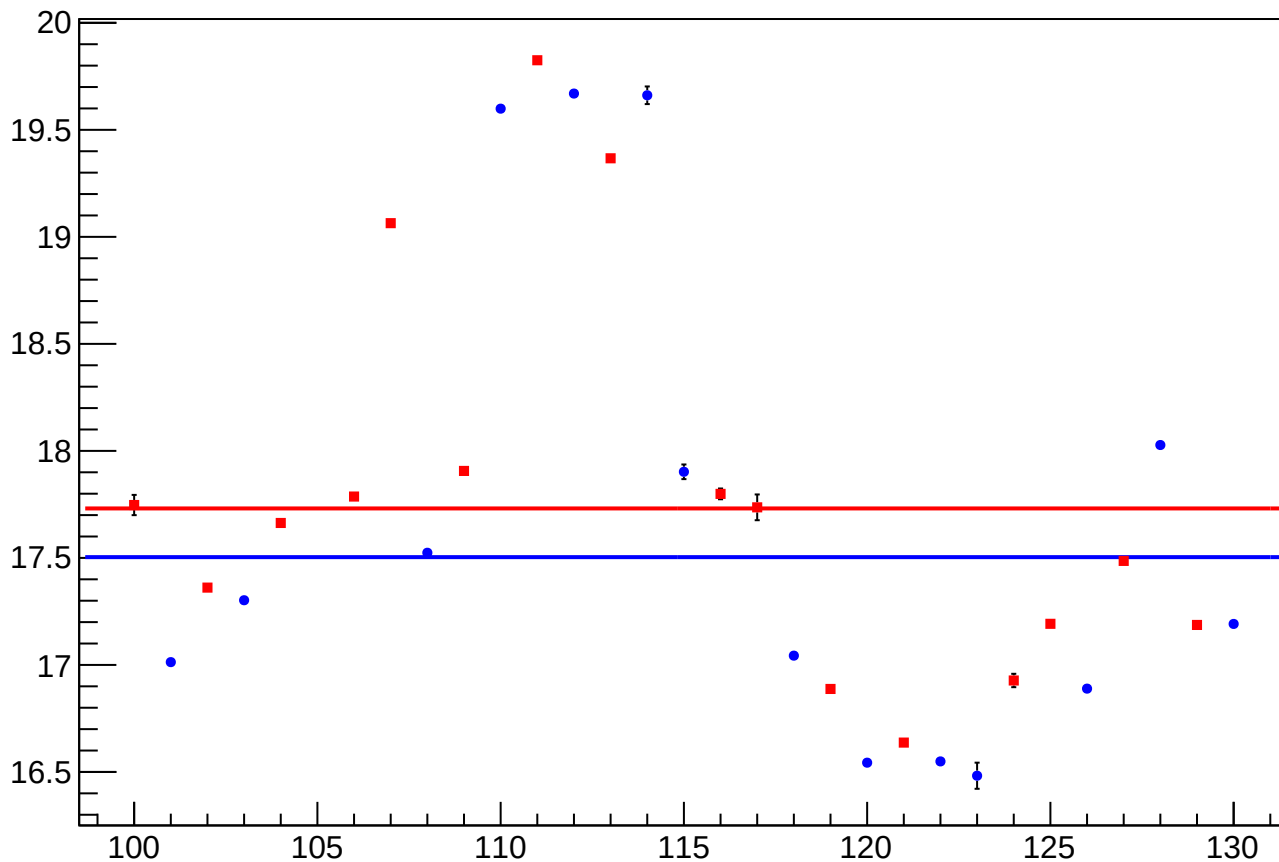
Right Out: 15.869+/-7.438 χ^2 /NDF: 12.3/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

-0.583+/-7.612 χ^2 /NDF: 7.5/13

15.869+/-7.438 χ^2 /NDF: 12.3/15

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.504+/-0.005 χ^2 /NDF: 31909.9/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

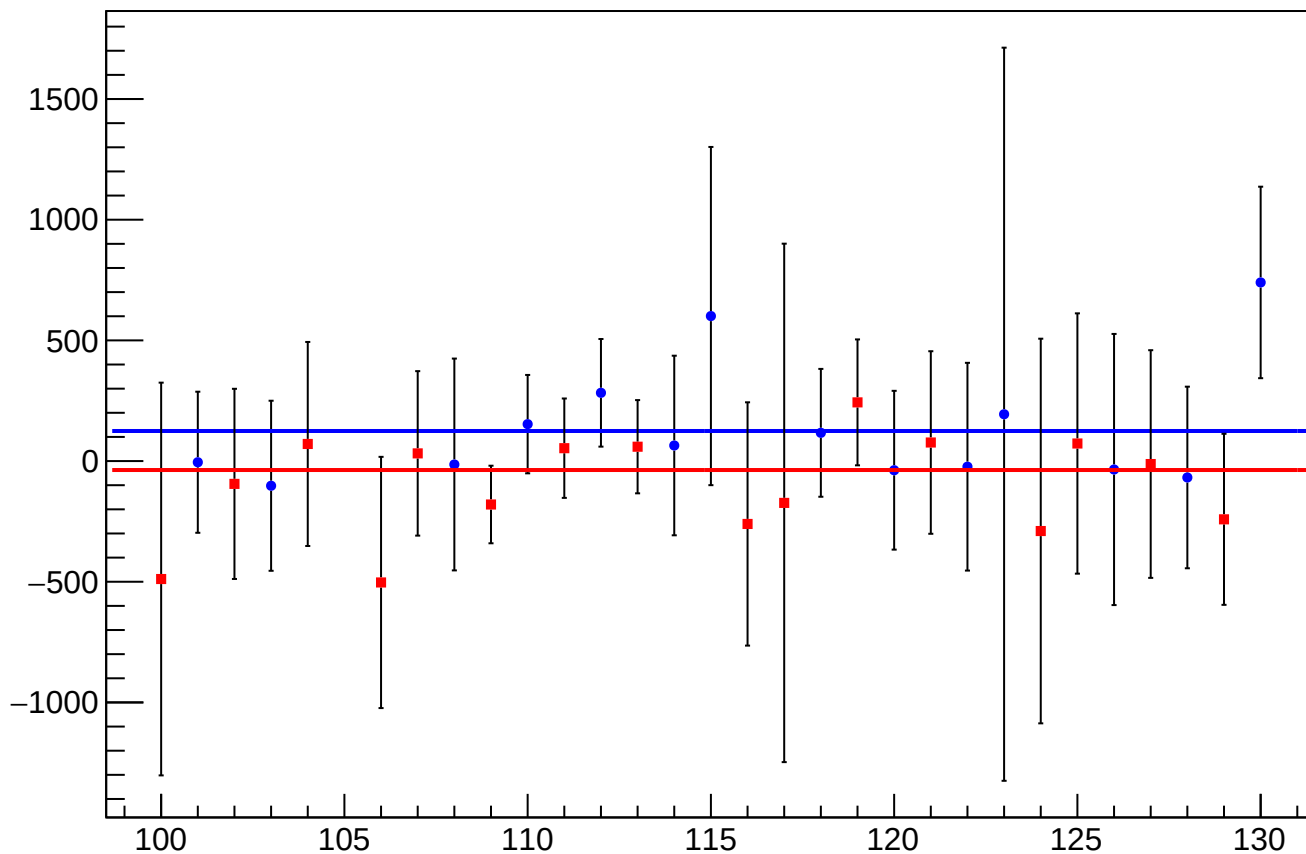
Right Out: 17.731+/-0.005 χ^2 /NDF: 28371.7/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

17.504+/-0.005 χ^2 /NDF: 31909.9/13

17.731+/-0.005 χ^2 /NDF: 28371.7/15

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 124.604 $\pm$ 89.686 χ^2 /NDF: 4.8/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

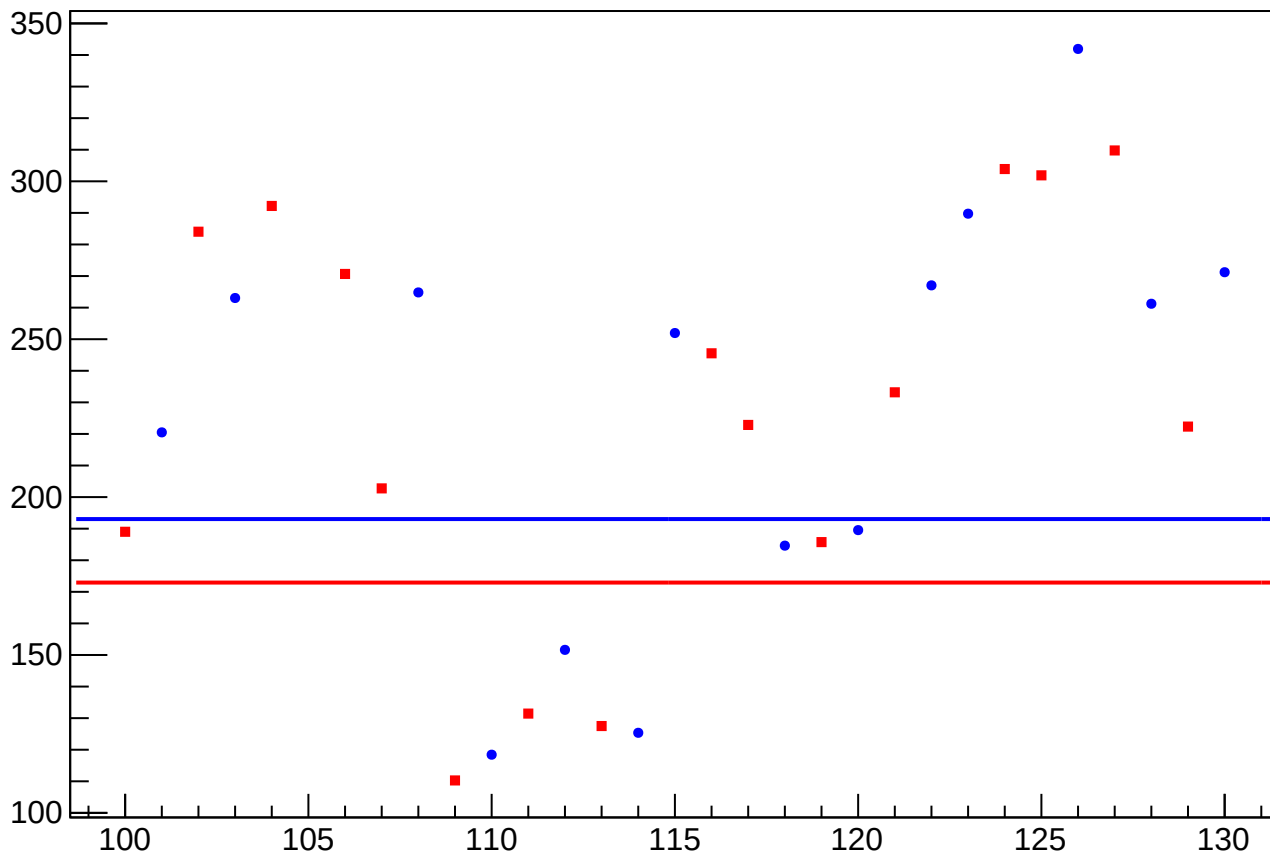
Right Out: -37.097 $\pm$ 79.320 χ^2 /NDF: 4.4/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

124.604 $\pm$ 89.686 χ^2 /NDF: 4.8/13

-37.097 $\pm$ 79.320 χ^2 /NDF: 4.4/15

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 193.041+/-0.063 χ^2/NDF : 920852.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

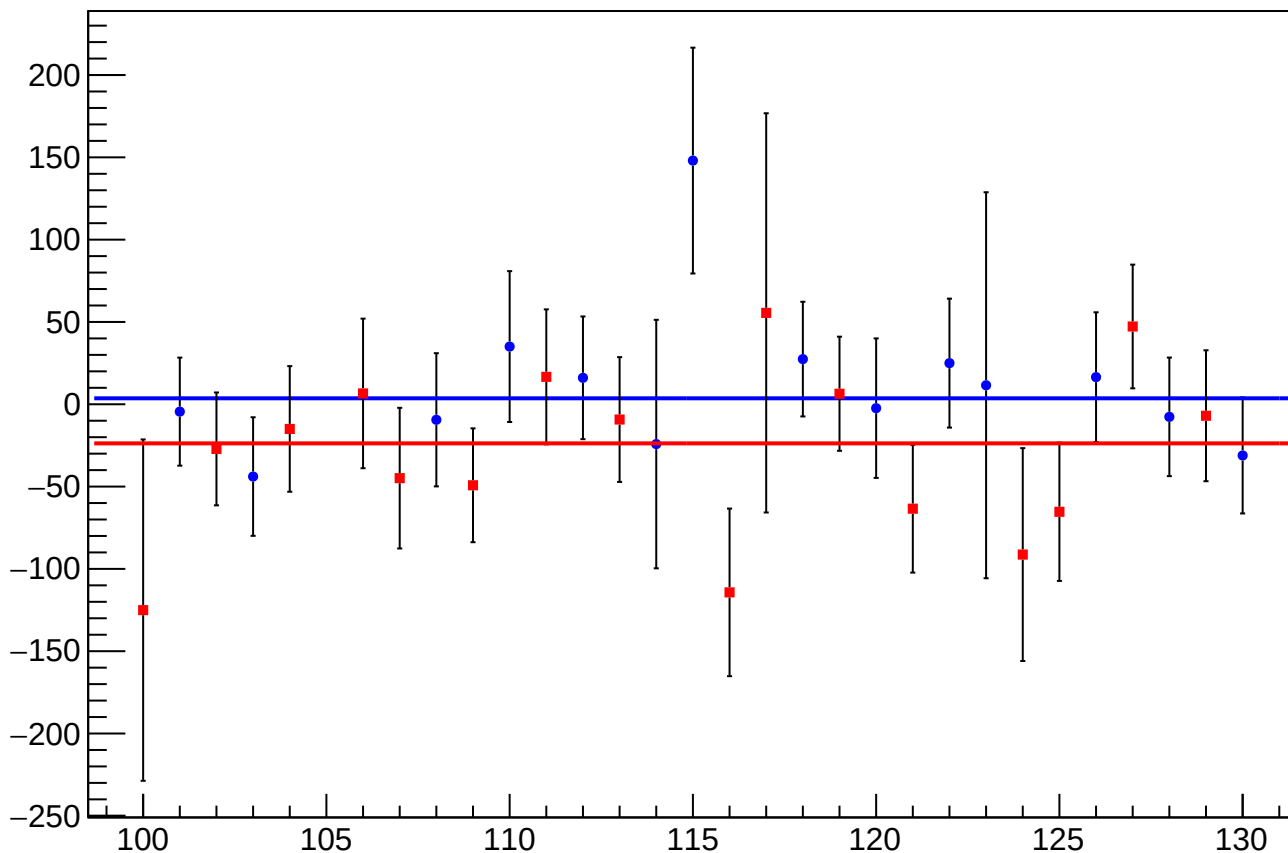
Right Out: 172.933+/-0.056 χ^2/NDF : 1377915.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

193.041+/-0.063 χ^2/NDF : 920852.8/13

172.933+/-0.056 χ^2/NDF : 1377915.4/15

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.624+/-11.028 χ^2 /NDF: 9.0/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

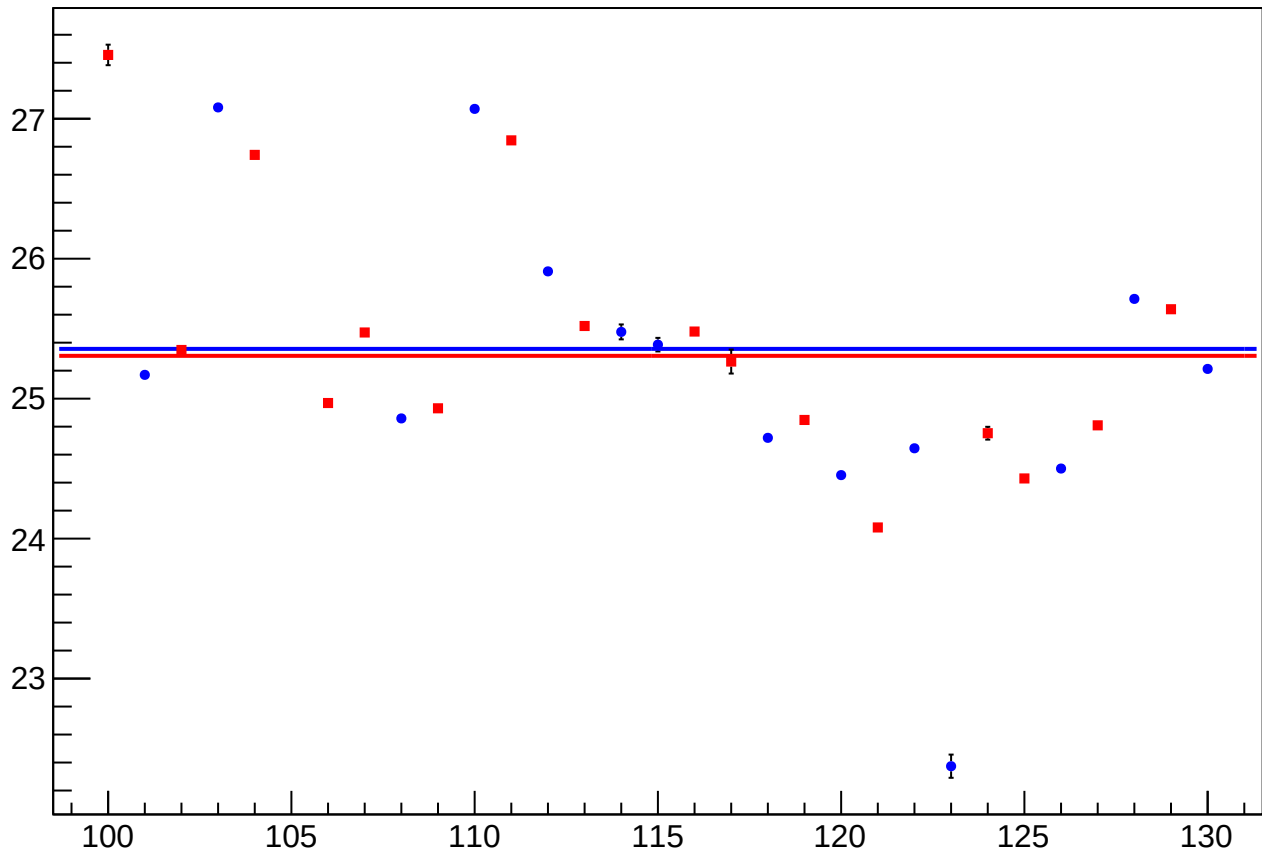
Right Out: -23.744+/-10.607 χ^2 /NDF: 14.6/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

3.624+/-11.028 χ^2 /NDF: 9.0/13

-23.744+/-10.607 χ^2 /NDF: 14.6/15

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.356+/-0.008 χ^2/NDF : 12898.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

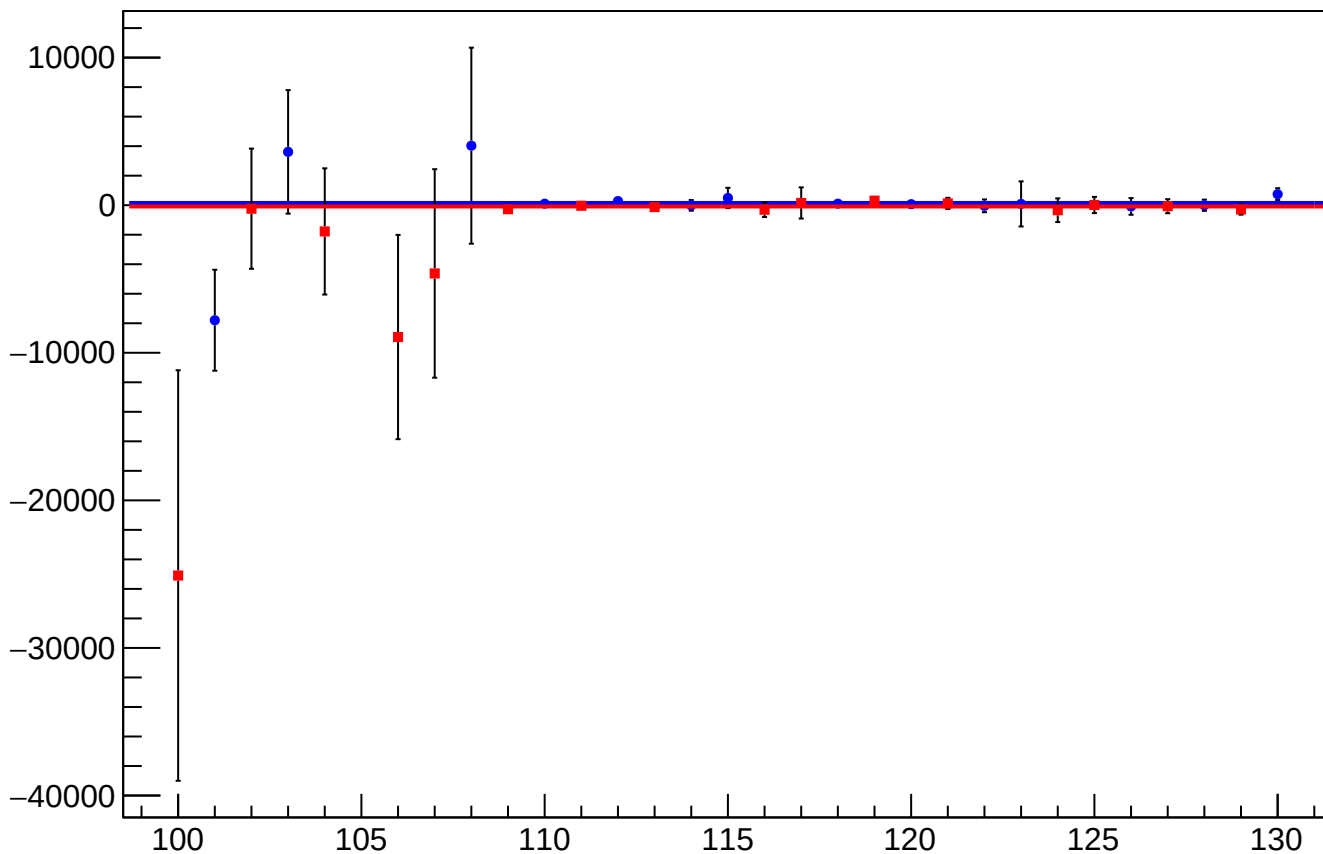
Right Out: 25.306+/-0.008 χ^2/NDF : 10831.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

25.356+/-0.008 χ^2/NDF : 12898.1/13

25.306+/-0.008 χ^2/NDF : 10831.0/15

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 149.614+/-99.907 χ^2/NDF : 10.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

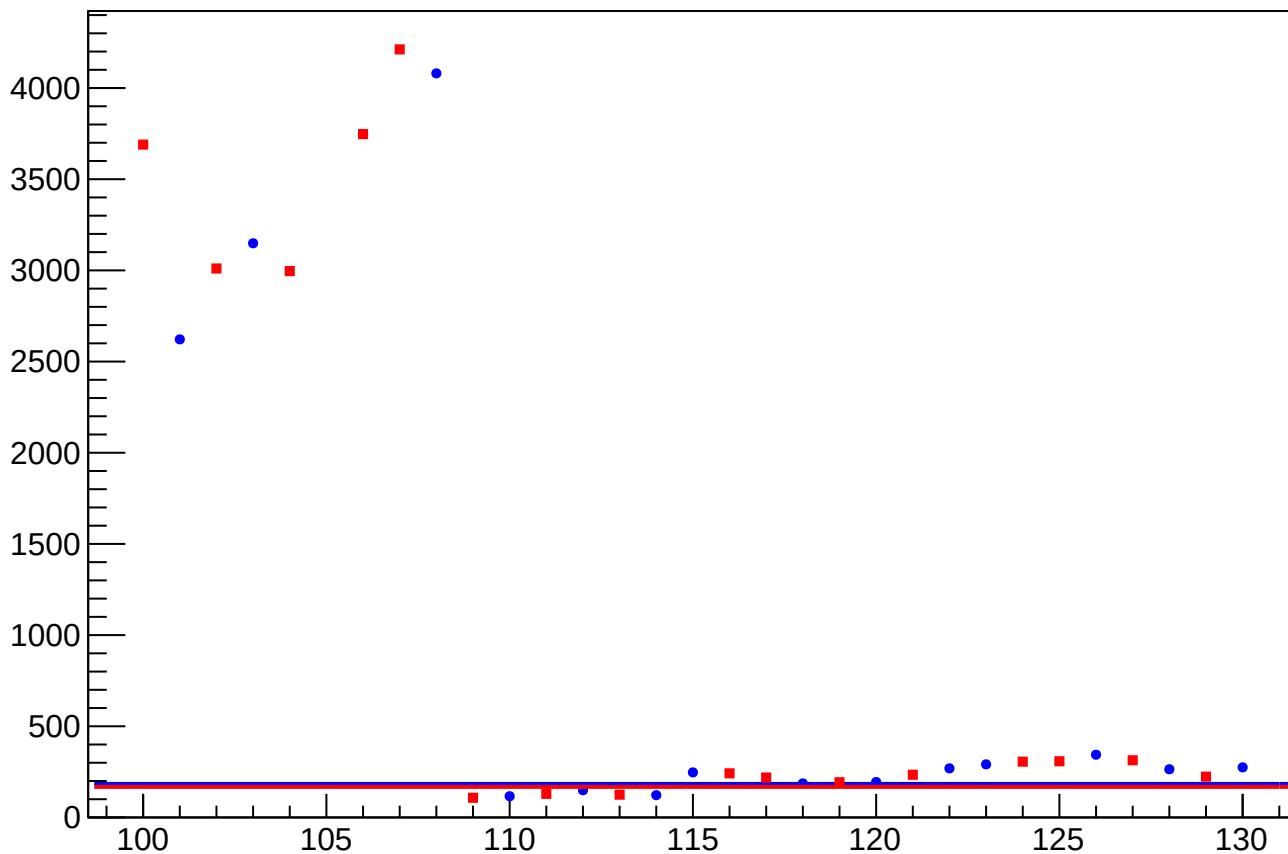
Right Out: -85.713+/-92.625 χ^2/NDF : 9.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

149.614+/-99.907 χ^2/NDF : 10.1/13

-85.713+/-92.625 χ^2/NDF : 9.4/15

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 183.851+/-0.071 χ^2/NDF : 3498752.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

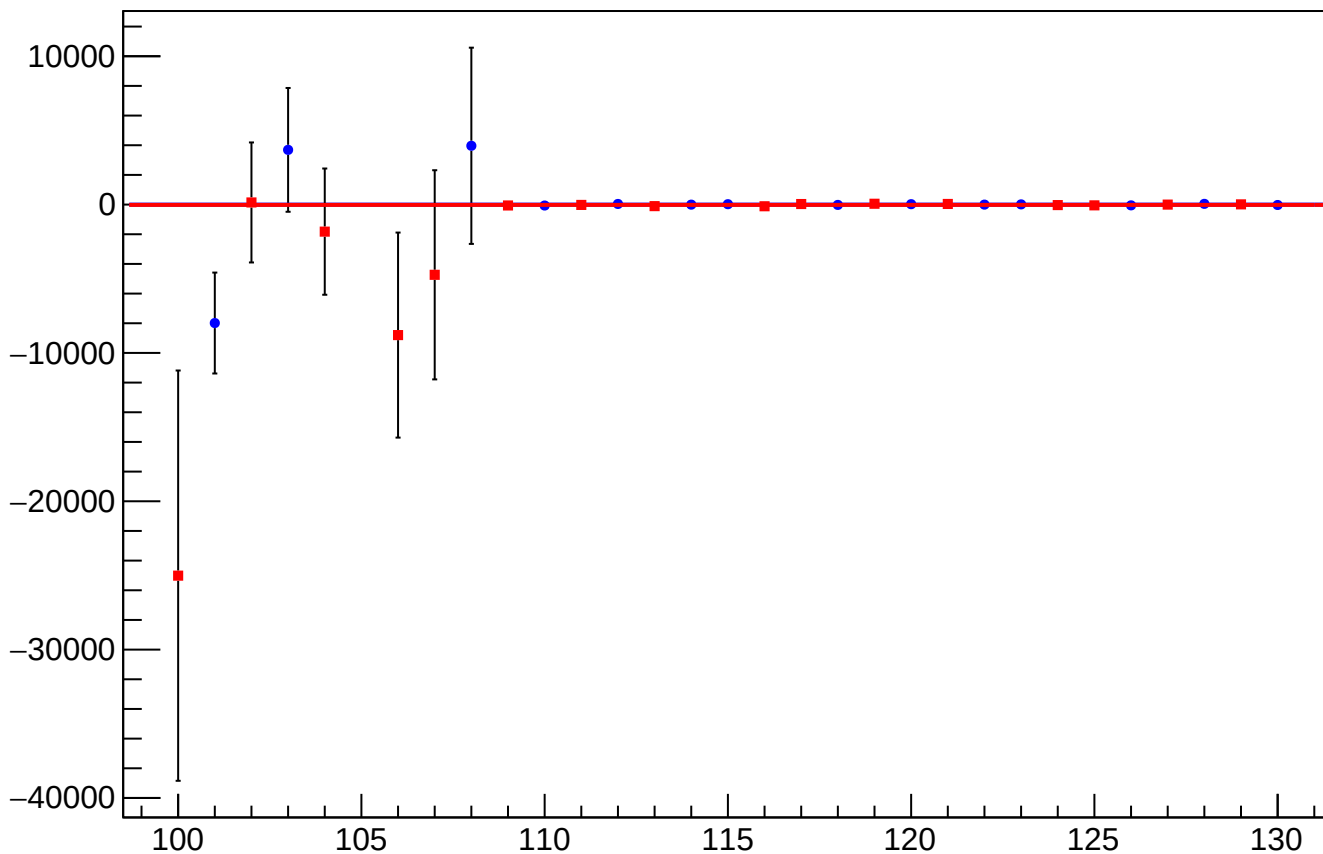
Right Out: 167.700+/-0.065 χ^2/NDF : 4049604.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

183.851+/-0.071 χ^2/NDF : 3498752.4/13

167.700+/-0.065 χ^2/NDF : 4049604.2/15

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.041+/-14.117 χ^2/NDF : 14.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

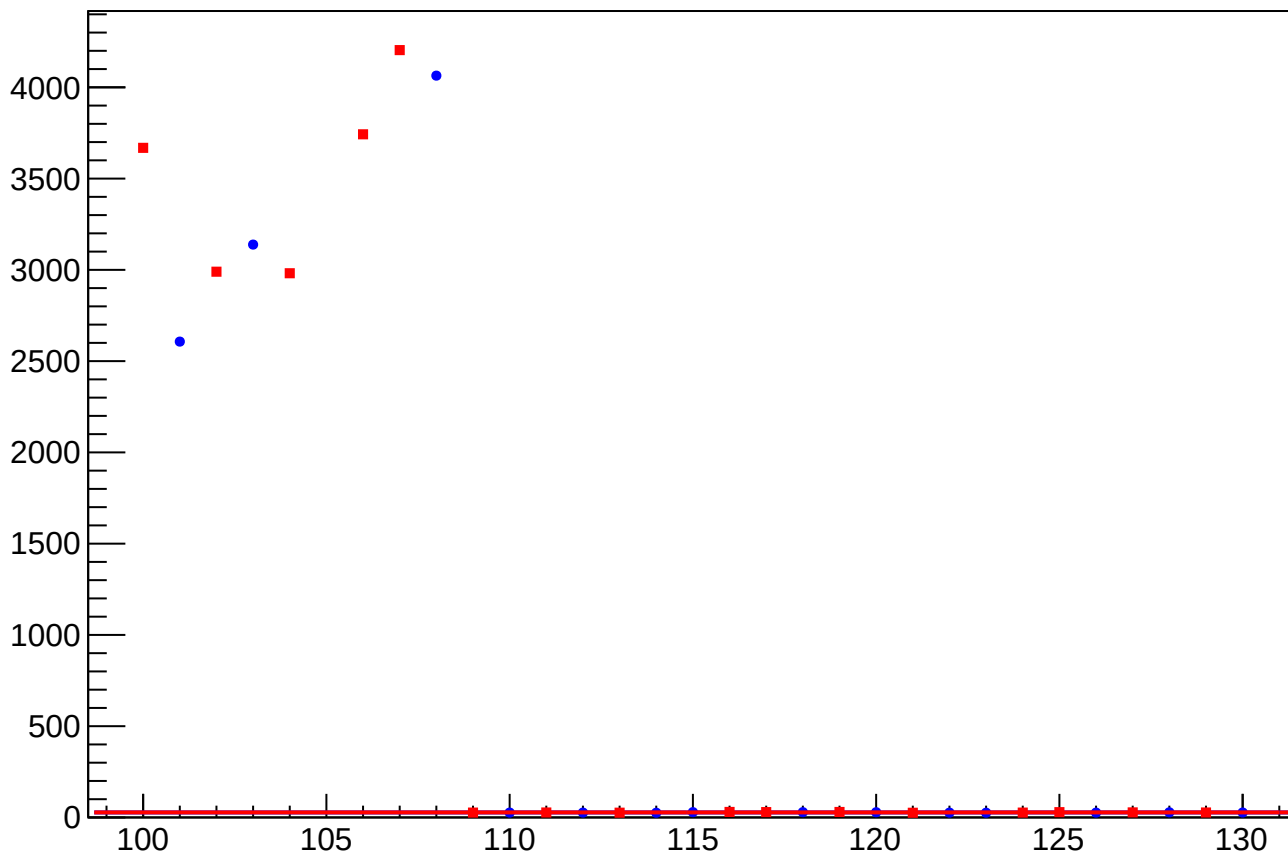
Right Out: -20.686+/-14.399 χ^2/NDF : 20.3/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-4.041+/-14.117 χ^2/NDF : 14.1/13

-20.686+/-14.399 χ^2/NDF : 20.3/15

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.472+/-0.010 χ^2/NDF : 3017726.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

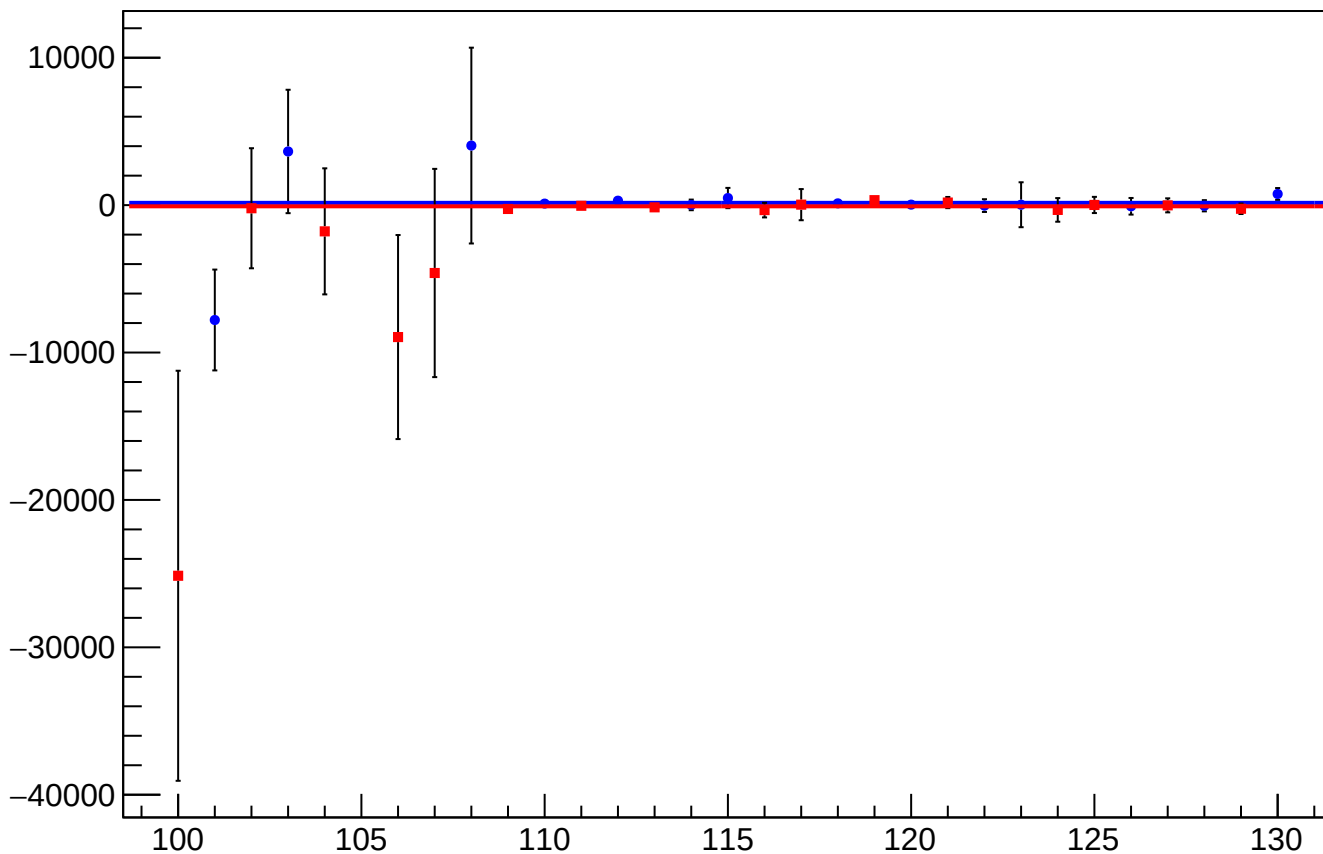
Right Out: 27.638+/-0.010 χ^2/NDF : 3475749.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

27.472+/-0.010 χ^2/NDF : 3017726.9/13

27.638+/-0.010 χ^2/NDF : 3475749.5/15

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 155.505+/-99.568 χ^2/NDF : 10.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

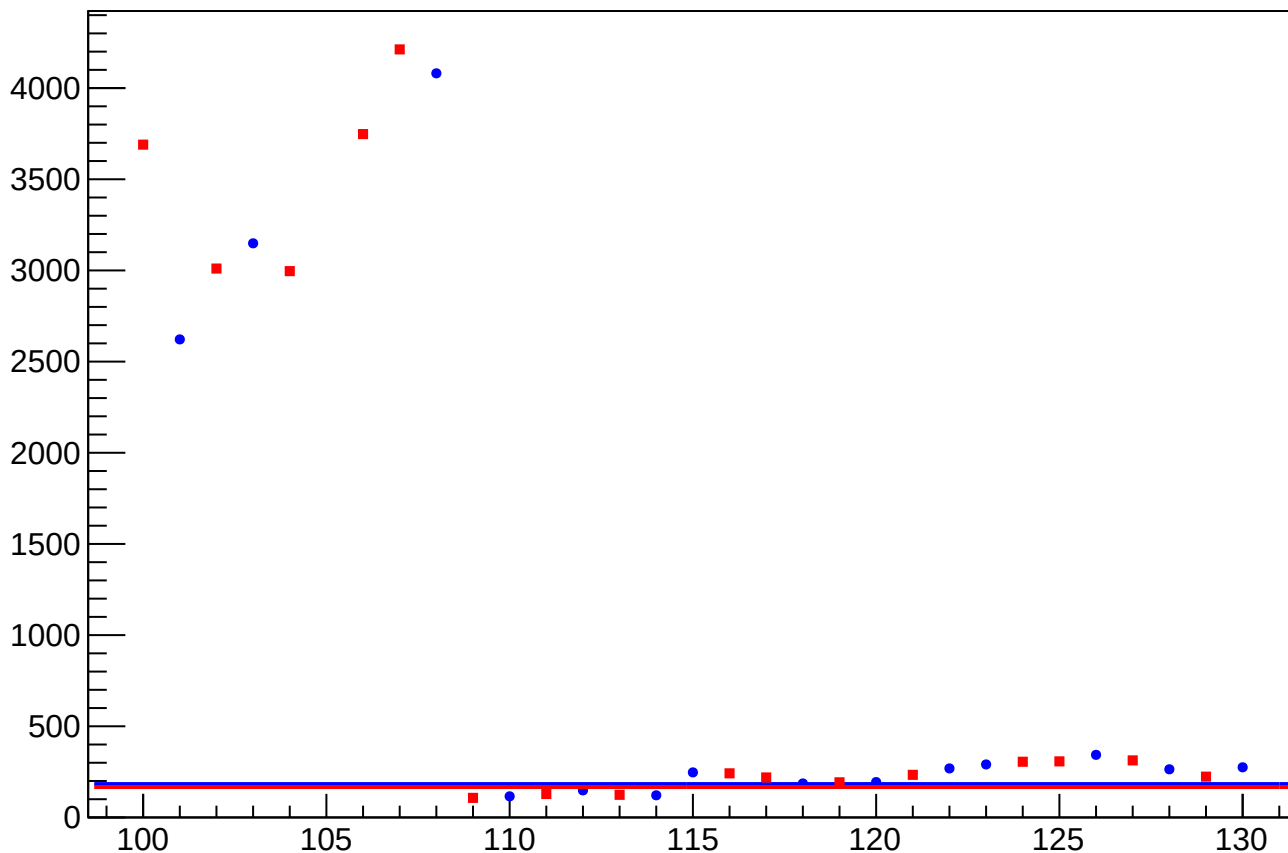
Right Out: -80.837+/-92.260 χ^2/NDF : 9.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

155.505+/-99.568 χ^2/NDF : 10.4/13

-80.837+/-92.260 χ^2/NDF : 9.8/15

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 183.091+/-0.070 χ^2/NDF : 3509396.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

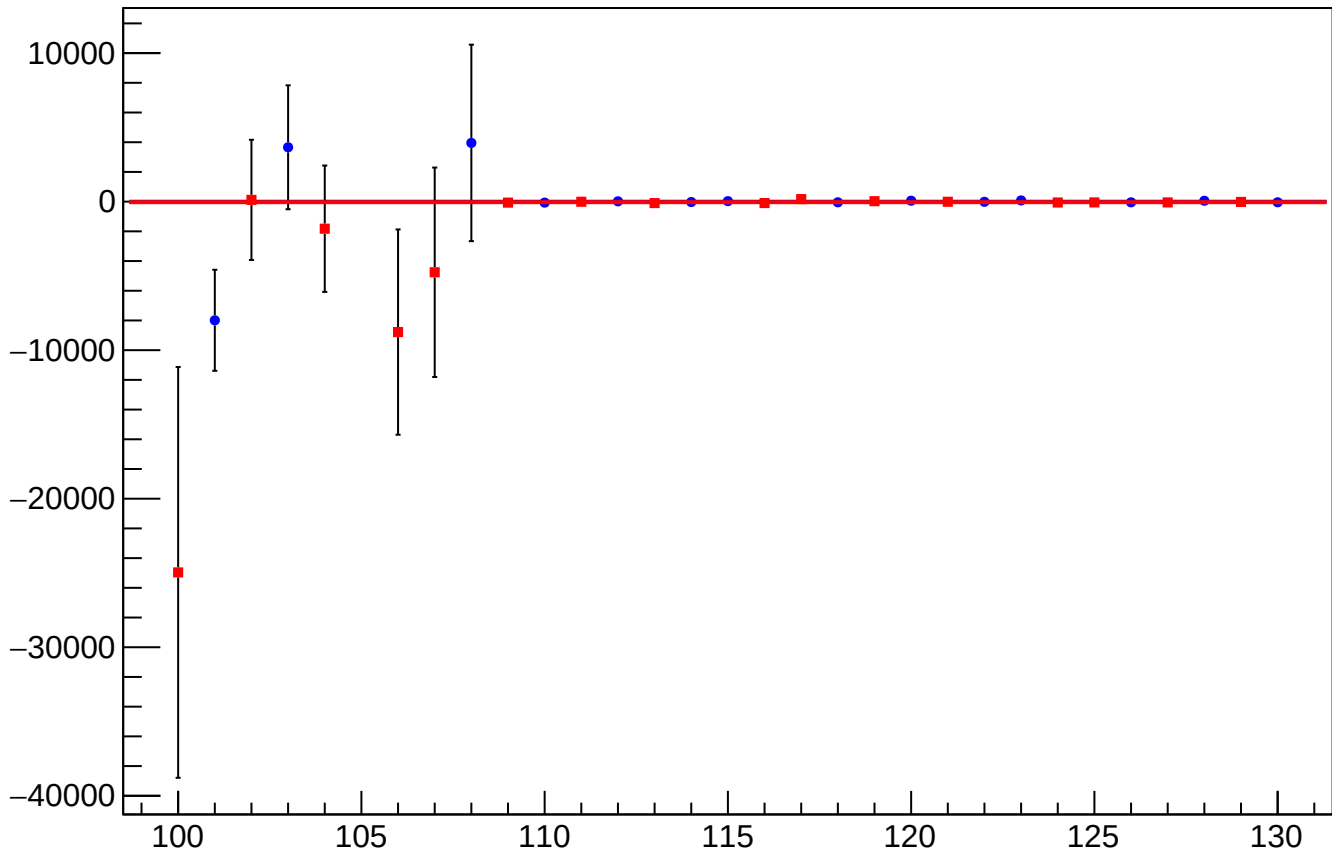
Right Out: 166.911+/-0.065 χ^2/NDF : 4059671.3/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

183.091+/-0.070 χ^2/NDF : 3509396.7/13

166.911+/-0.065 χ^2/NDF : 4059671.3/15

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: -7.748+/-14.220 χ^2/NDF : 16.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

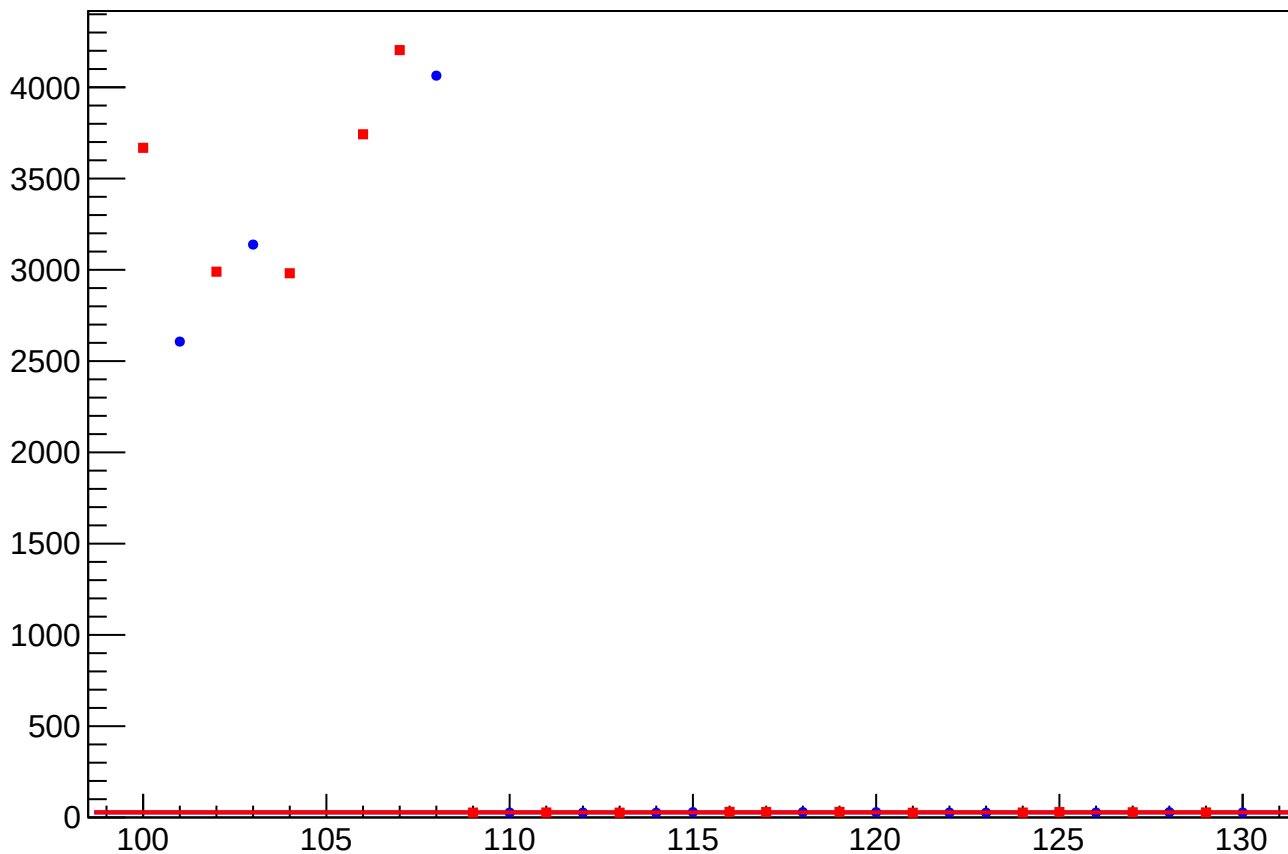
Right Out: -36.023+/-14.537 χ^2/NDF : 15.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-7.748+/-14.220 χ^2/NDF : 16.9/13

-36.023+/-14.537 χ^2/NDF : 15.2/15

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.667 $\pm$ 0.010 χ^2 /NDF: 3018519.8/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

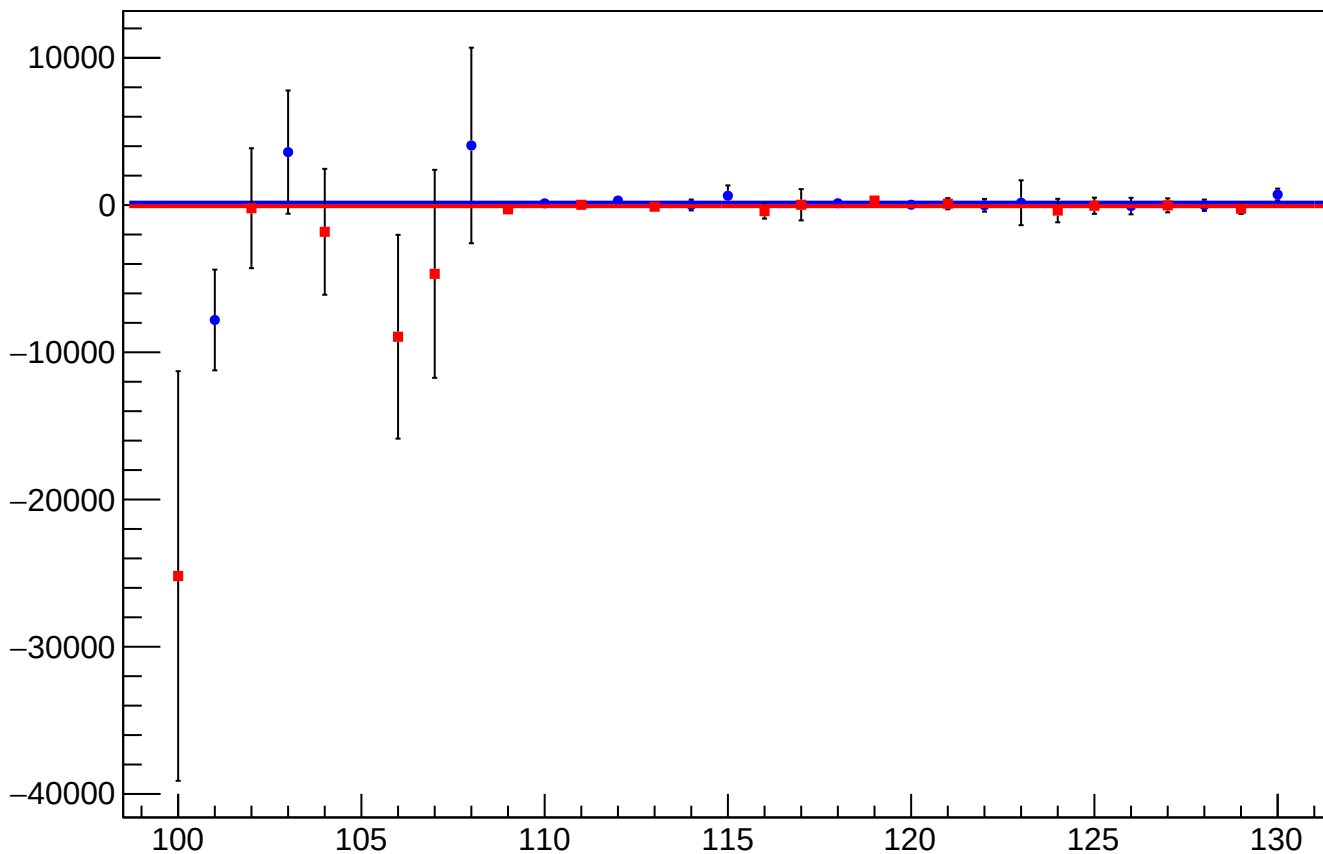
Right Out: 27.895 $\pm$ 0.010 χ^2 /NDF: 3478594.2/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

27.667 $\pm$ 0.010 χ^2 /NDF: 3018519.8/13

27.895 $\pm$ 0.010 χ^2 /NDF: 3478594.2/15

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 164.043+/-100.747 χ^2 /NDF: 10.2/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

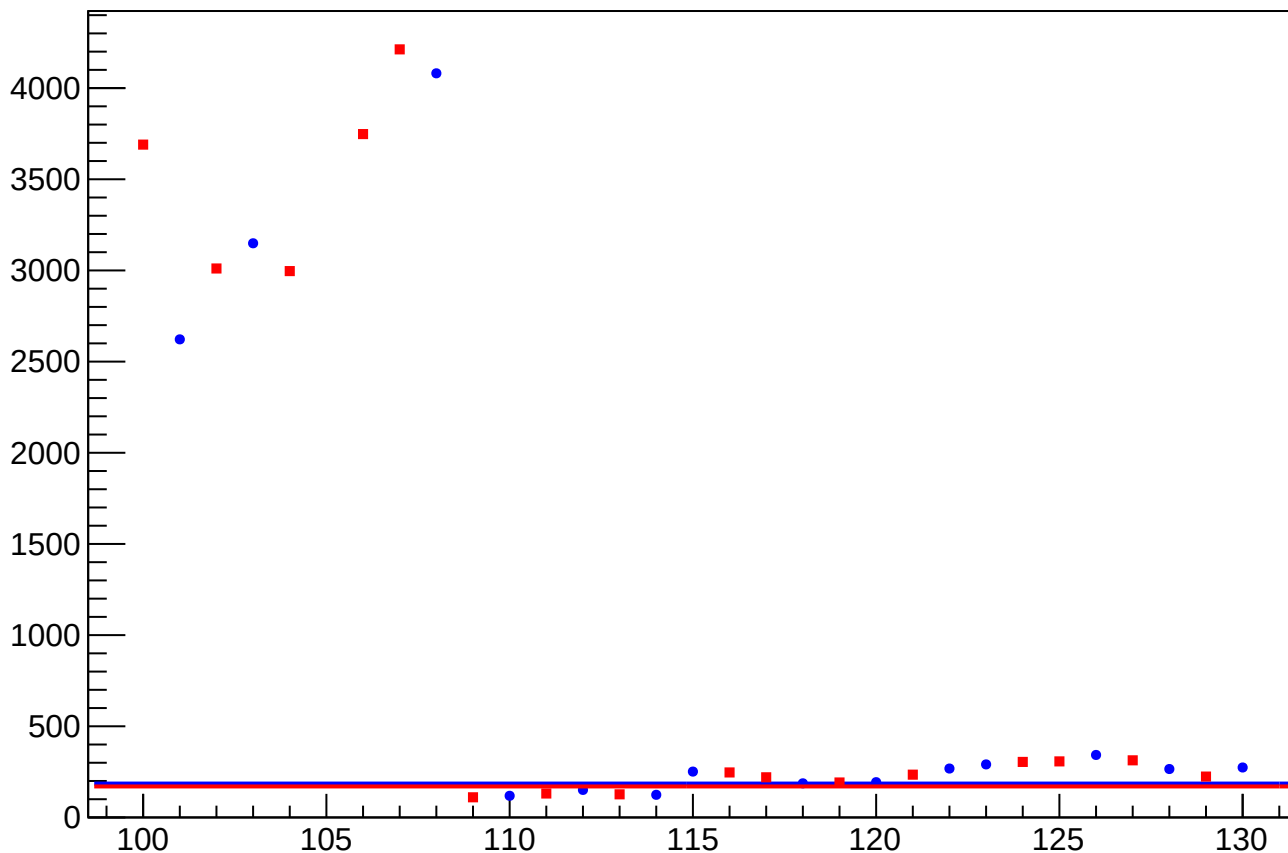
Right Out: -73.981+/-93.605 χ^2 /NDF: 9.7/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

164.043+/-100.747 χ^2 /NDF: 10.2/13

-73.981+/-93.605 χ^2 /NDF: 9.7/15

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 185.844+/-0.071 χ^2/NDF : 3464186.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

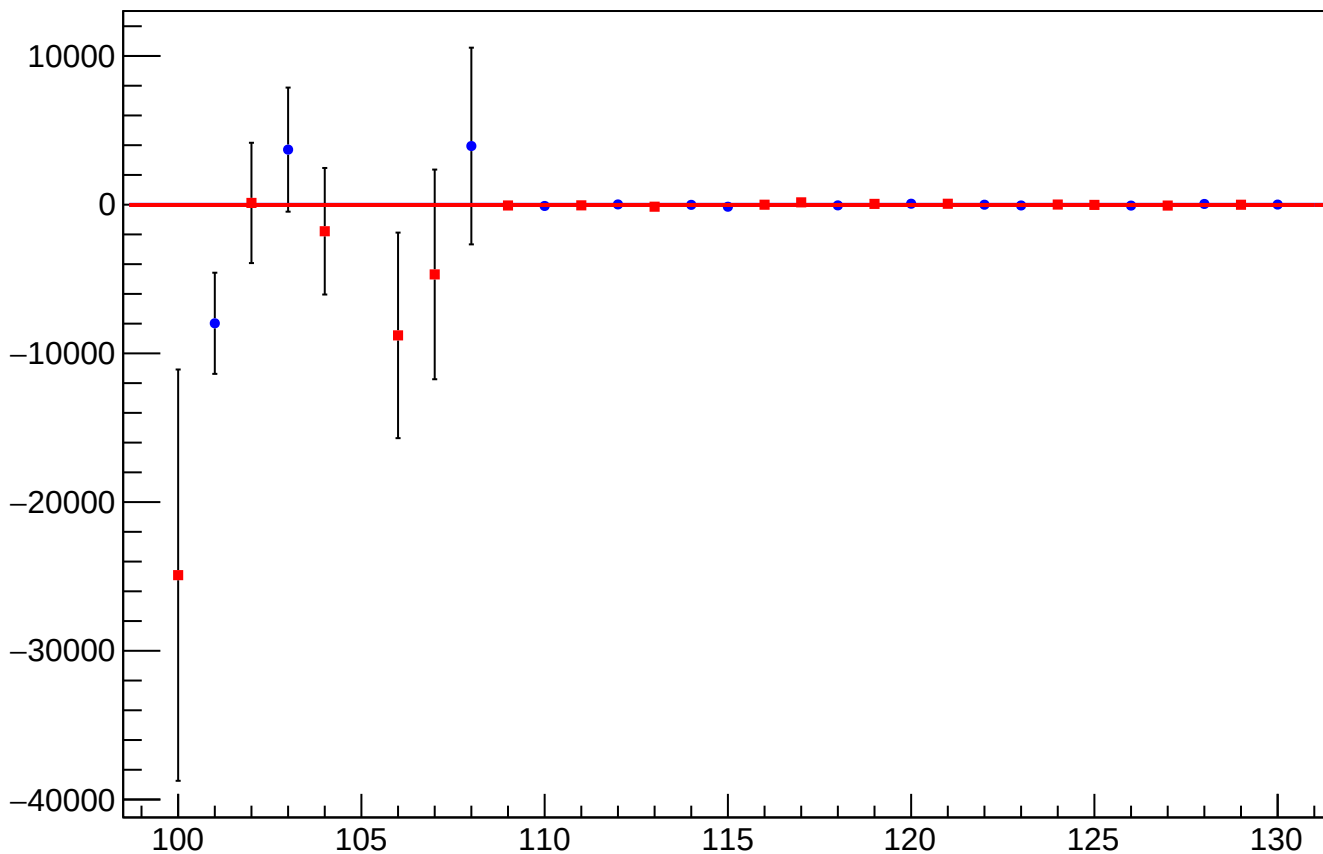
Right Out: 170.022+/-0.066 χ^2/NDF : 4011215.3/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

185.844+/-0.071 χ^2/NDF : 3464186.7/13

170.022+/-0.066 χ^2/NDF : 4011215.3/15

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: -11.899+/-17.332 χ^2 /NDF: 15.4/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

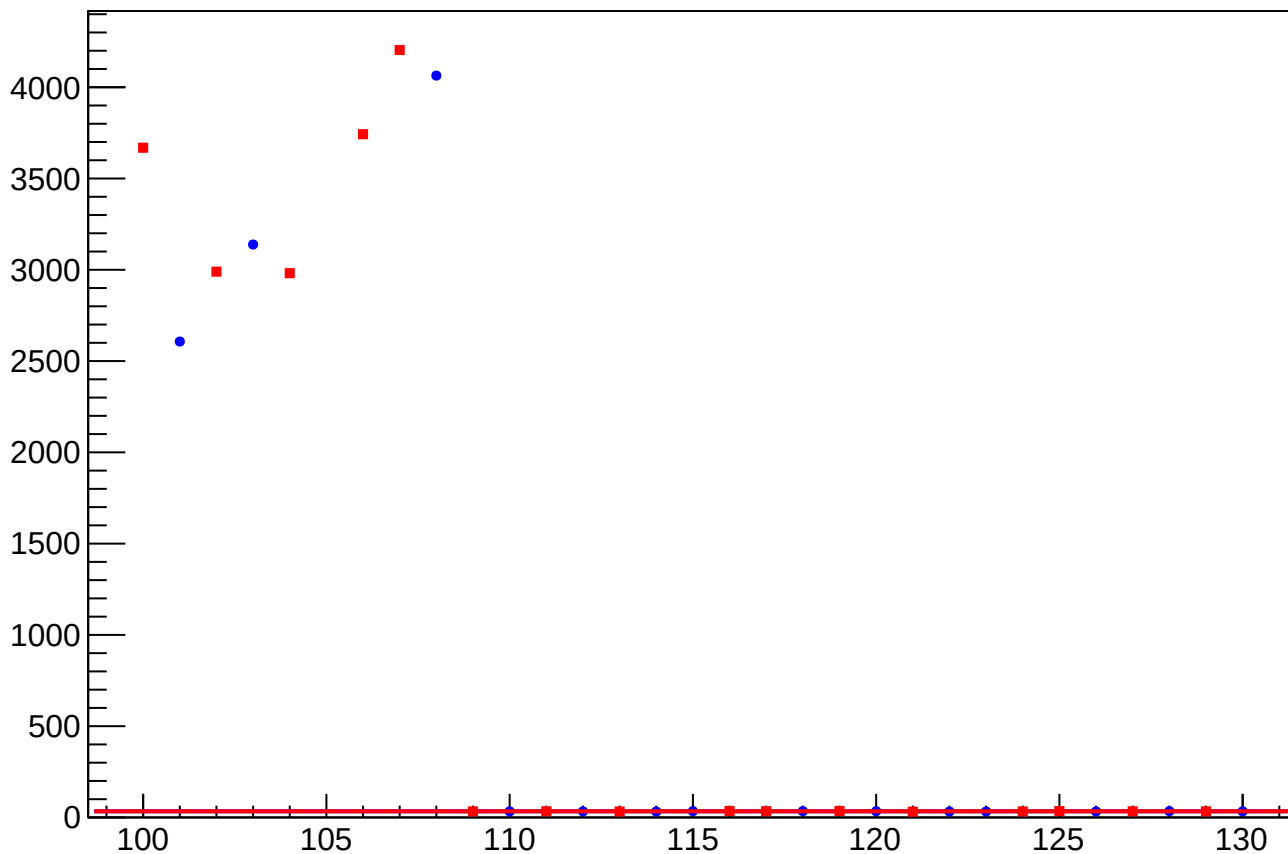
Right Out: -20.171+/-17.563 χ^2 /NDF: 18.6/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

-11.899+/-17.332 χ^2 /NDF: 15.4/13

-20.171+/-17.563 χ^2 /NDF: 18.6/15

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.749 $\pm$ 0.012 χ^2 /NDF: 2999731.9/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

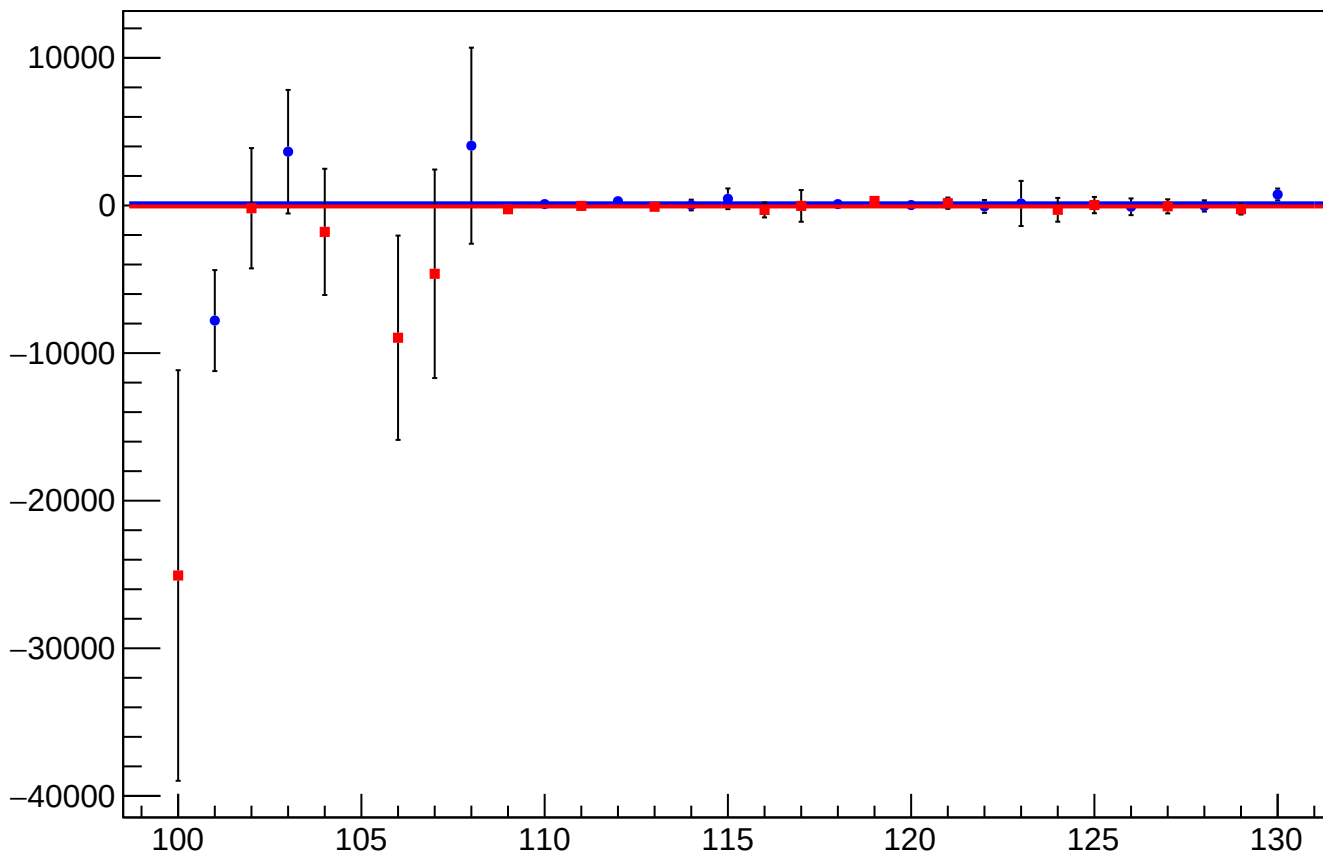
Right Out: 33.787 $\pm$ 0.012 χ^2 /NDF: 3450829.7/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

33.749 $\pm$ 0.012 χ^2 /NDF: 2999731.9/13

33.787 $\pm$ 0.012 χ^2 /NDF: 3450829.7/15

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 145.507+/-100.267 χ^2/NDF : 10.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

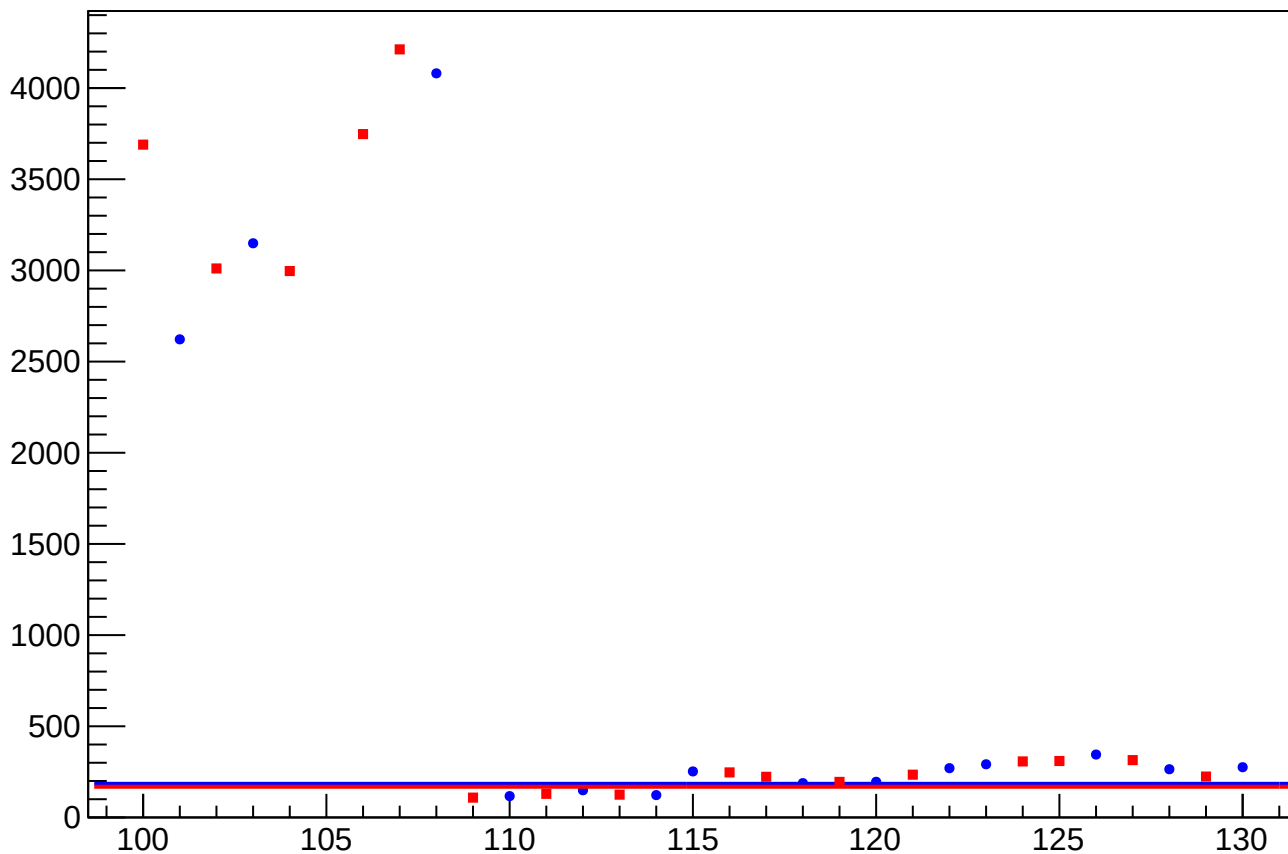
Right Out: -66.245+/-92.999 χ^2/NDF : 9.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

145.507+/-100.267 χ^2/NDF : 10.2/13

-66.245+/-92.999 χ^2/NDF : 9.1/15

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 184.508+/-0.071 χ^2/NDF : 3500096.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

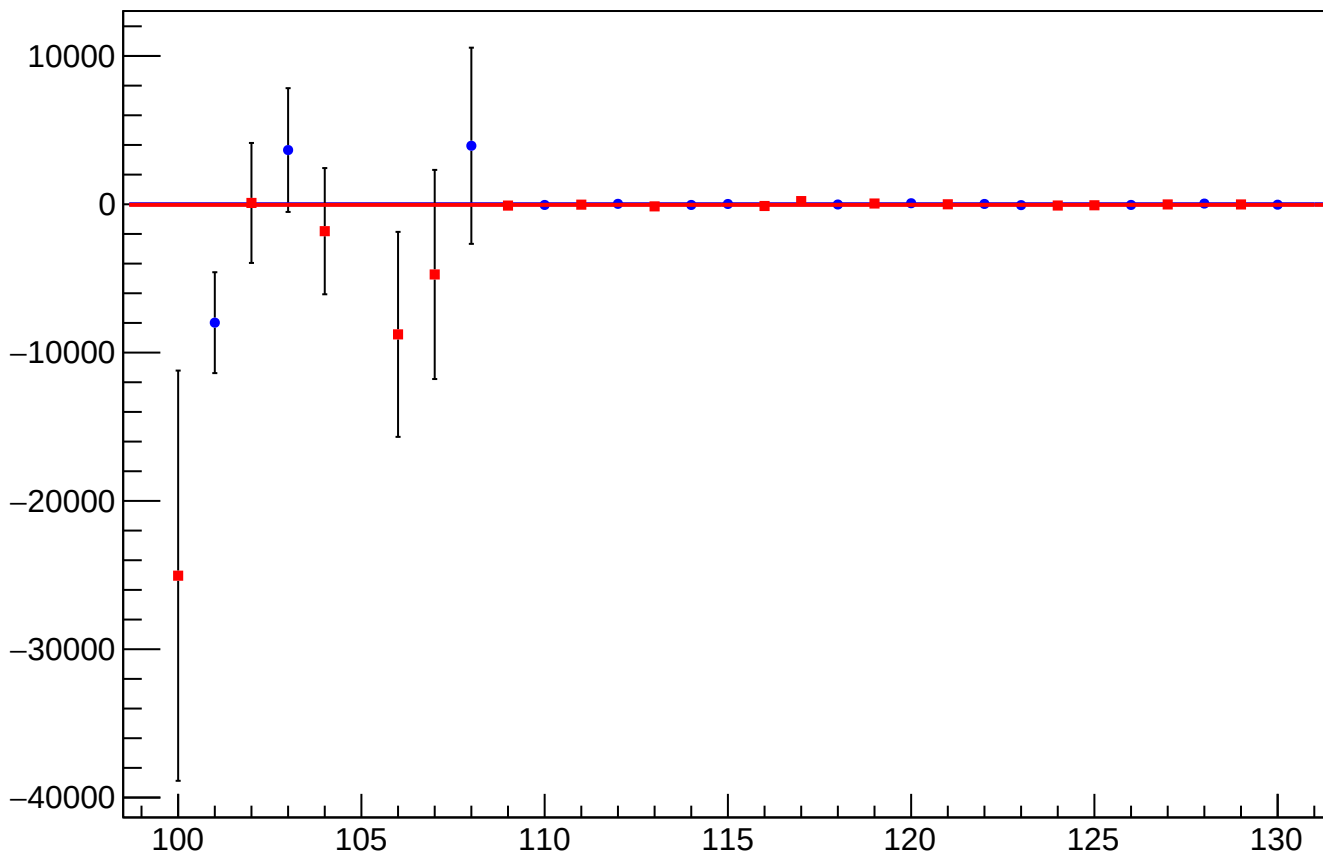
Right Out: 168.365+/-0.066 χ^2/NDF : 4053766.3/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

184.508+/-0.071 χ^2/NDF : 3500096.2/13

168.365+/-0.066 χ^2/NDF : 4053766.3/15

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.204+/-15.791 χ^2 /NDF: 12.8/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

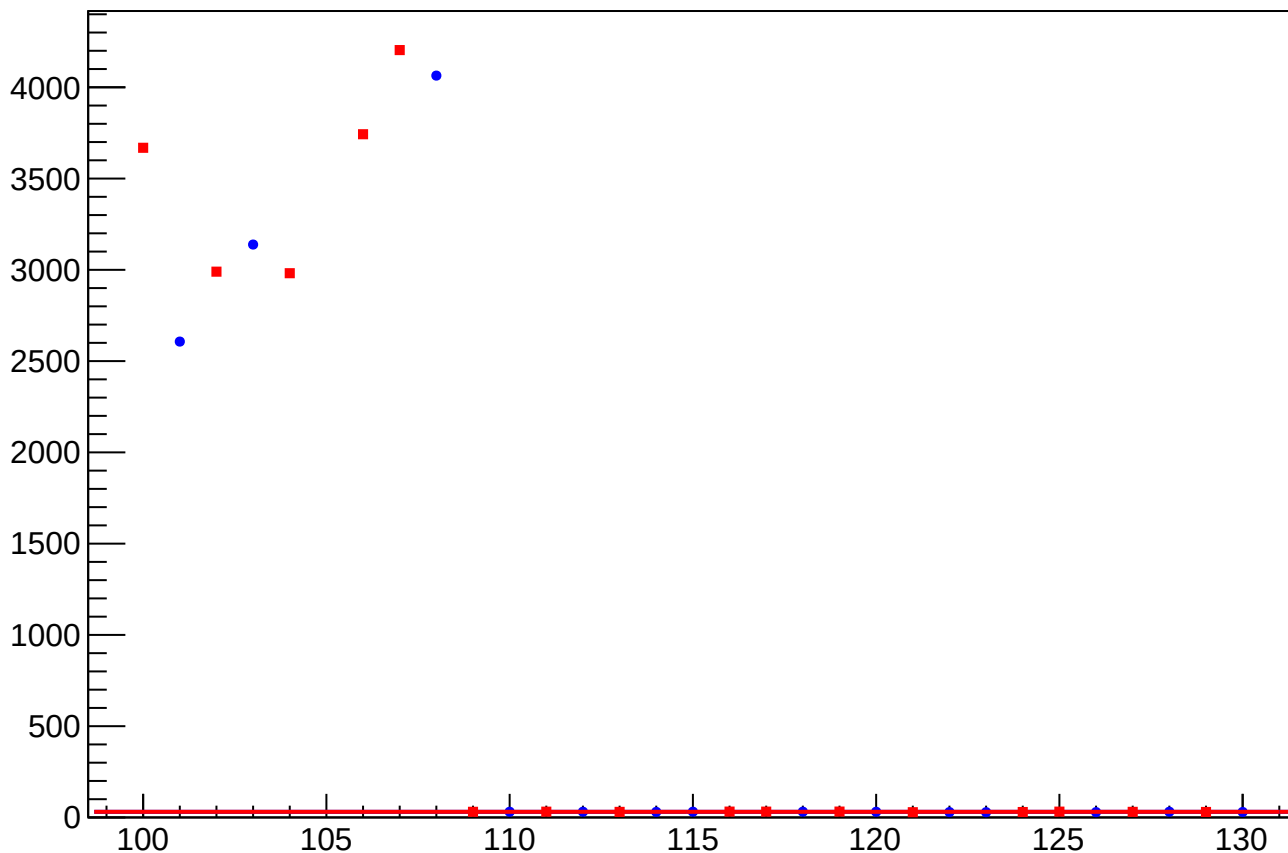
Right Out: -37.552+/-16.101 χ^2 /NDF: 21.6/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

2.204+/-15.791 χ^2 /NDF: 12.8/13

-37.552+/-16.101 χ^2 /NDF: 21.6/15

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.759+/-0.011 χ^2/NDF : 3007046.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

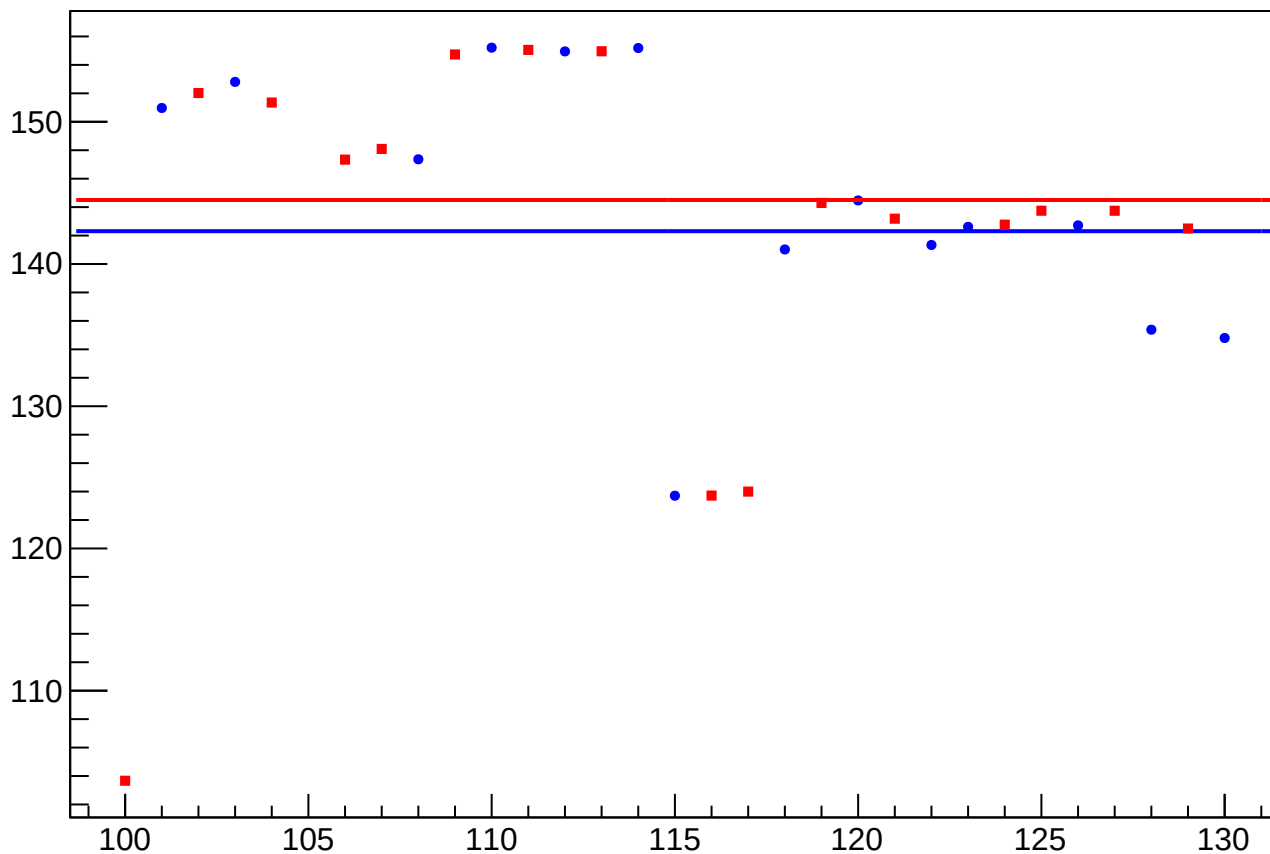
Right Out: 30.954+/-0.011 χ^2/NDF : 3456962.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

30.759+/-0.011 χ^2/NDF : 3007046.9/13

30.954+/-0.011 χ^2/NDF : 3456962.2/15

yield_bcm_an_ds_mean vs Slug



Right In: 142.309+/-0.000 χ^2/NDF : 3114718166.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

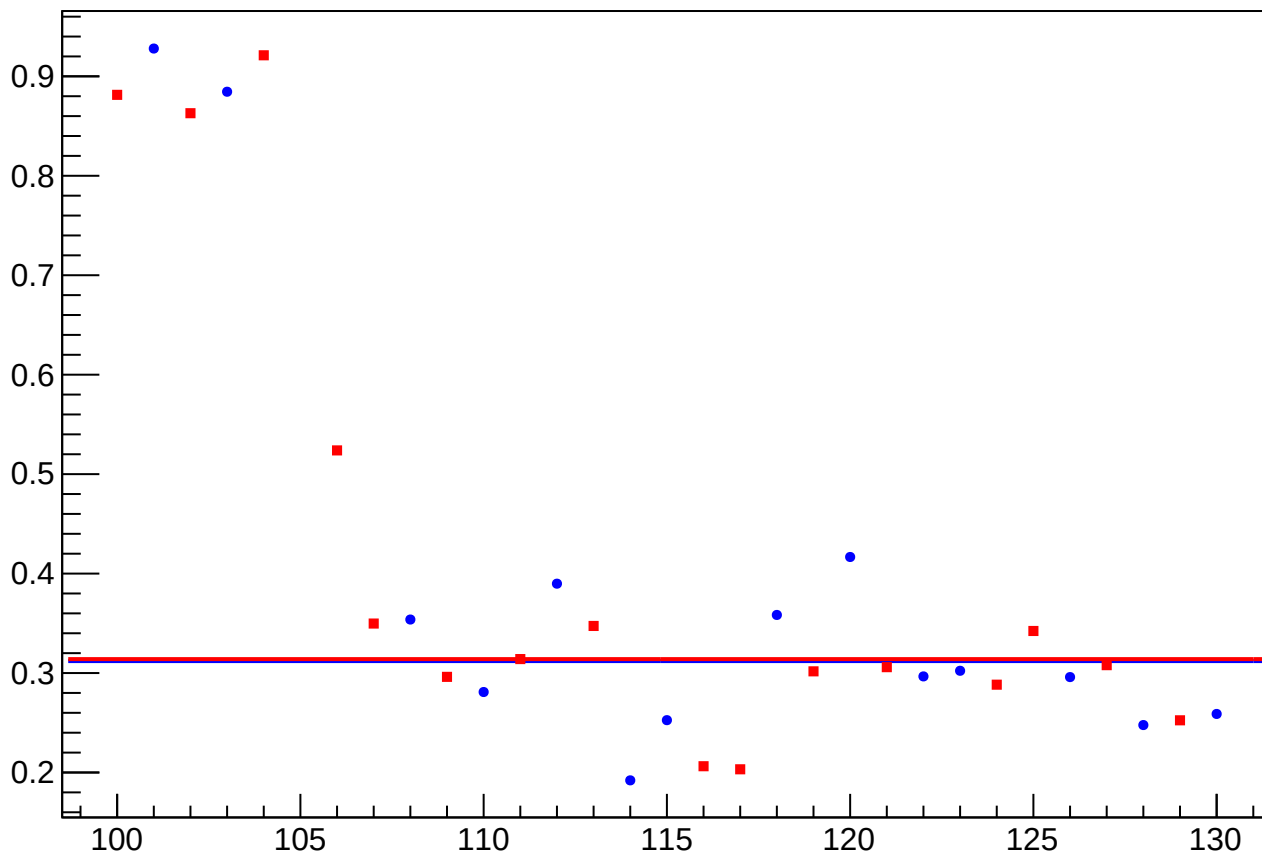
Right Out: 144.502+/-0.000 χ^2/NDF : 4283326987.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

142.309+/-0.000 χ^2/NDF : 3114718166.0/13

144.502+/-0.000 χ^2/NDF : 4283326987.5/15

yield_bcm_an_ds_rms vs Slug



Right In: 0.312+/-0.000 χ^2/NDF : 1265165.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

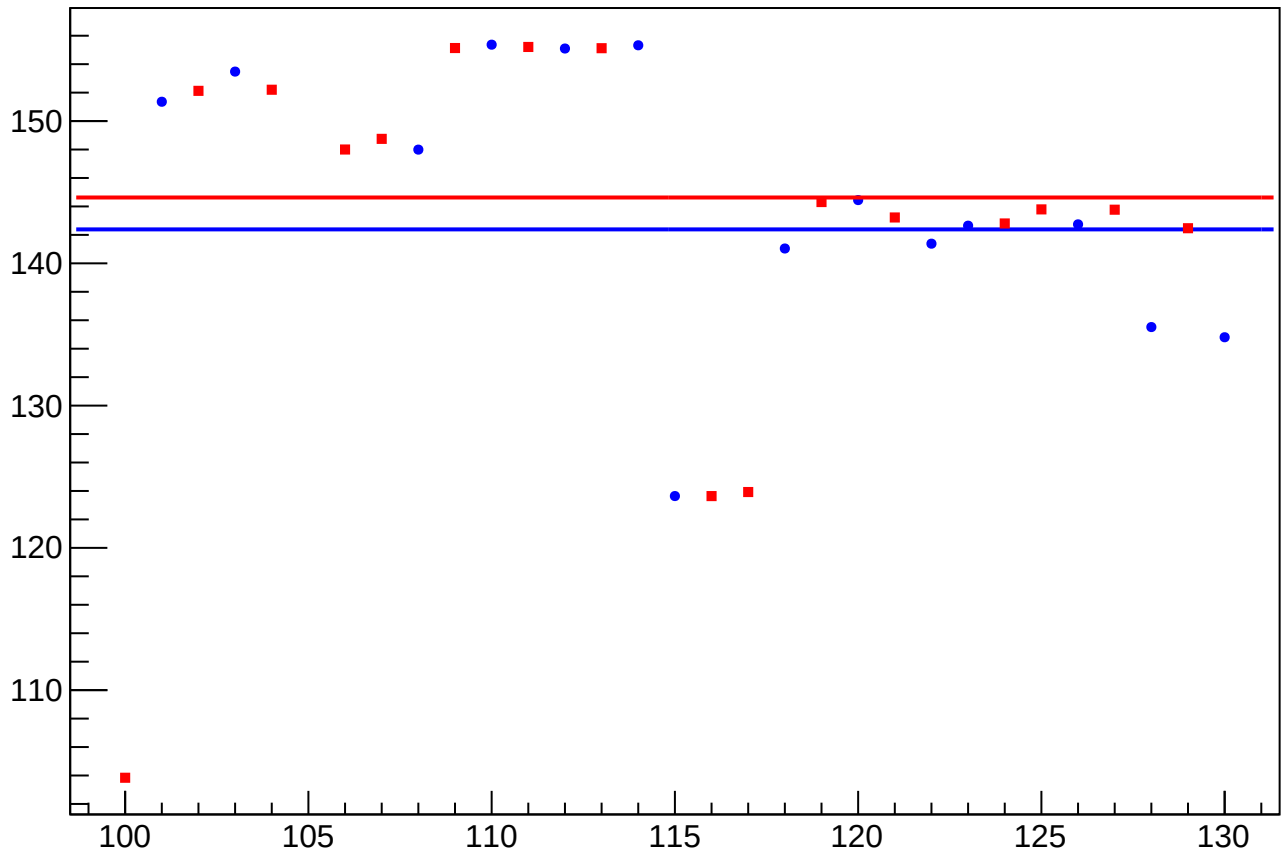
Right Out: 0.314+/-0.000 χ^2/NDF : 1191097.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.312+/-0.000 χ^2/NDF : 1265165.8/13

0.314+/-0.000 χ^2/NDF : 1191097.7/15

yield_bcm_an_ds3_mean vs Slug



Right In: 142.386+/-0.000 χ^2/NDF : 3128391860.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

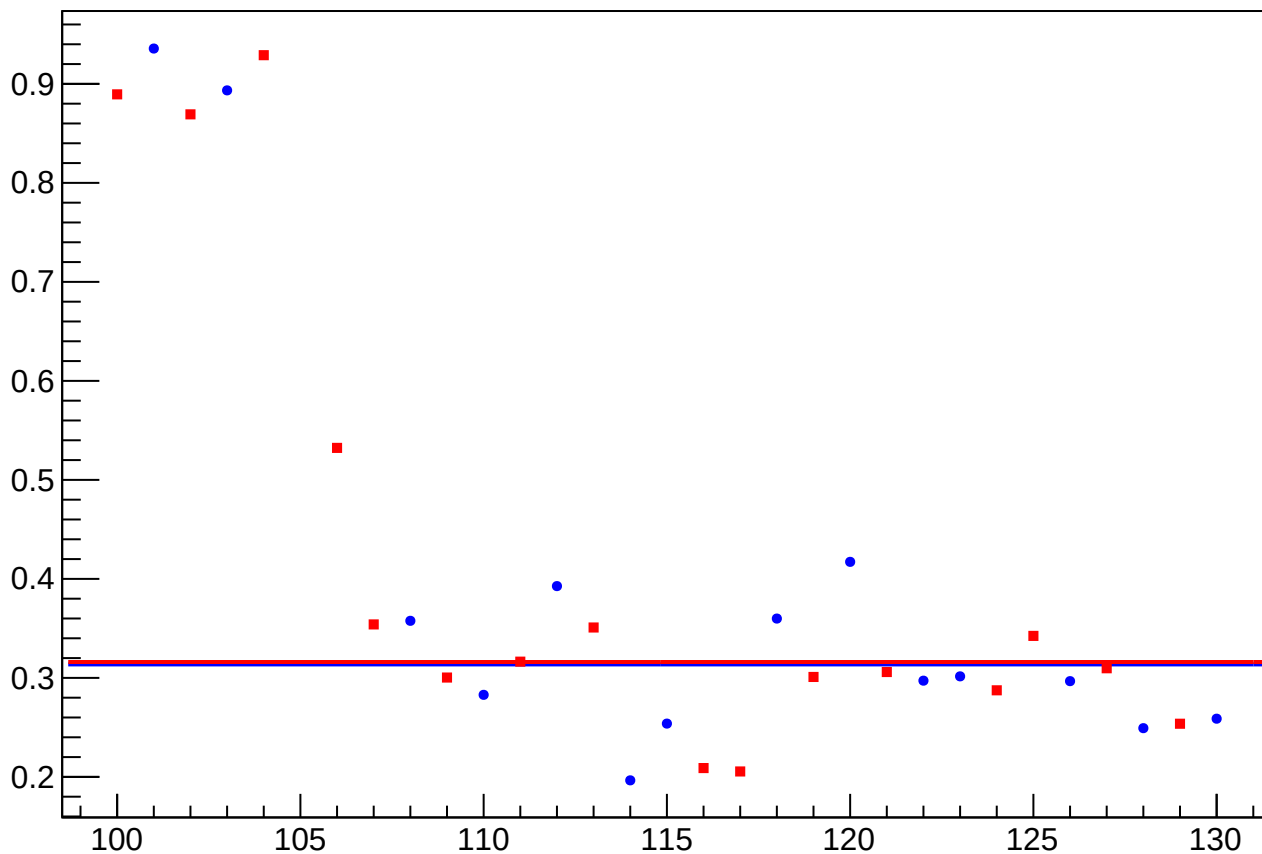
Right Out: 144.629+/-0.000 χ^2/NDF : 4302057050.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

142.386+/-0.000 χ^2/NDF : 3128391860.2/13

144.629+/-0.000 χ^2/NDF : 4302057050.6/15

yield_bcm_an_ds3_rms vs Slug



Right In: 0.314+/-0.000 χ^2/NDF : 1266427.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

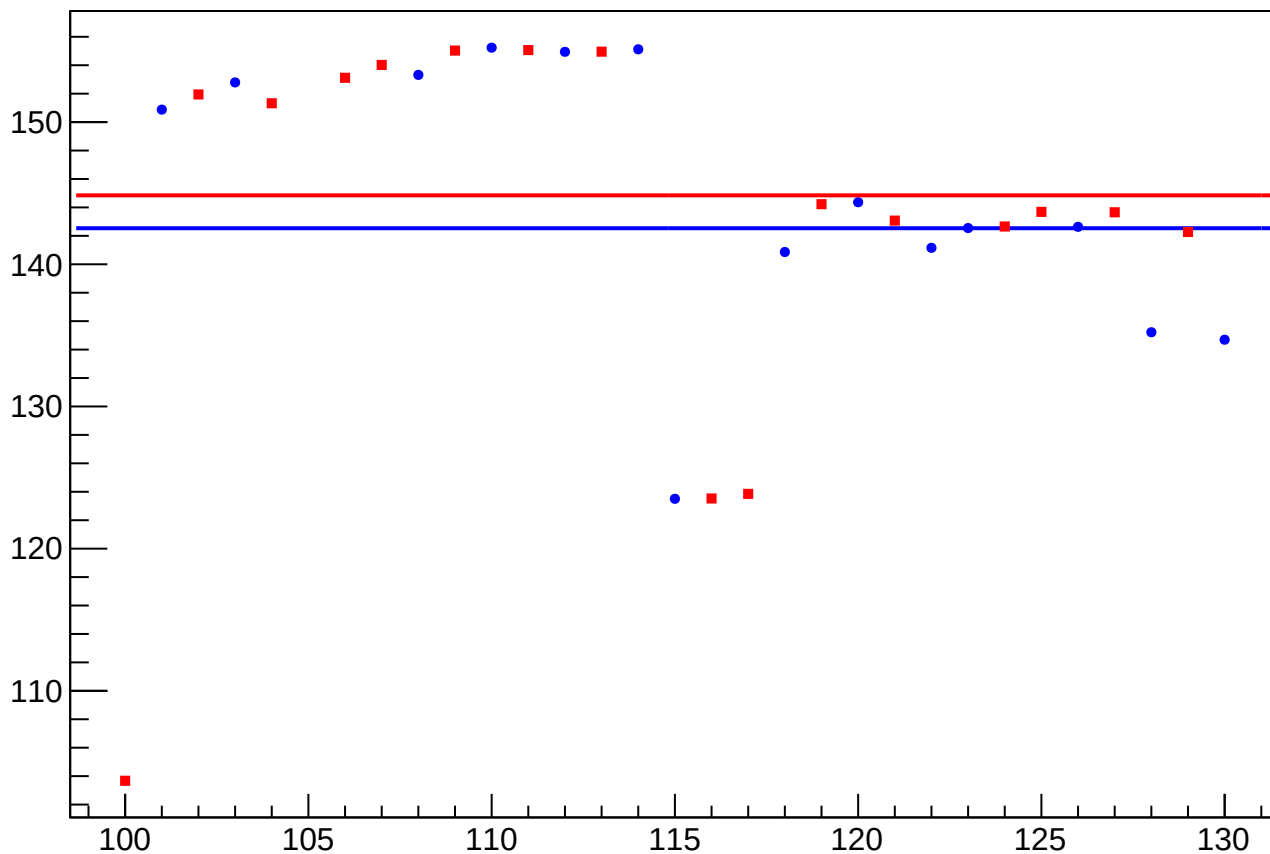
Right Out: 0.316+/-0.000 χ^2/NDF : 1192746.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.314+/-0.000 χ^2/NDF : 1266427.8/13

0.316+/-0.000 χ^2/NDF : 1192746.5/15

yield_bcm_an_us_mean vs Slug



Right In: 142.537 $\pm$ 0.000 χ^2 /NDF: 3389384537.3/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

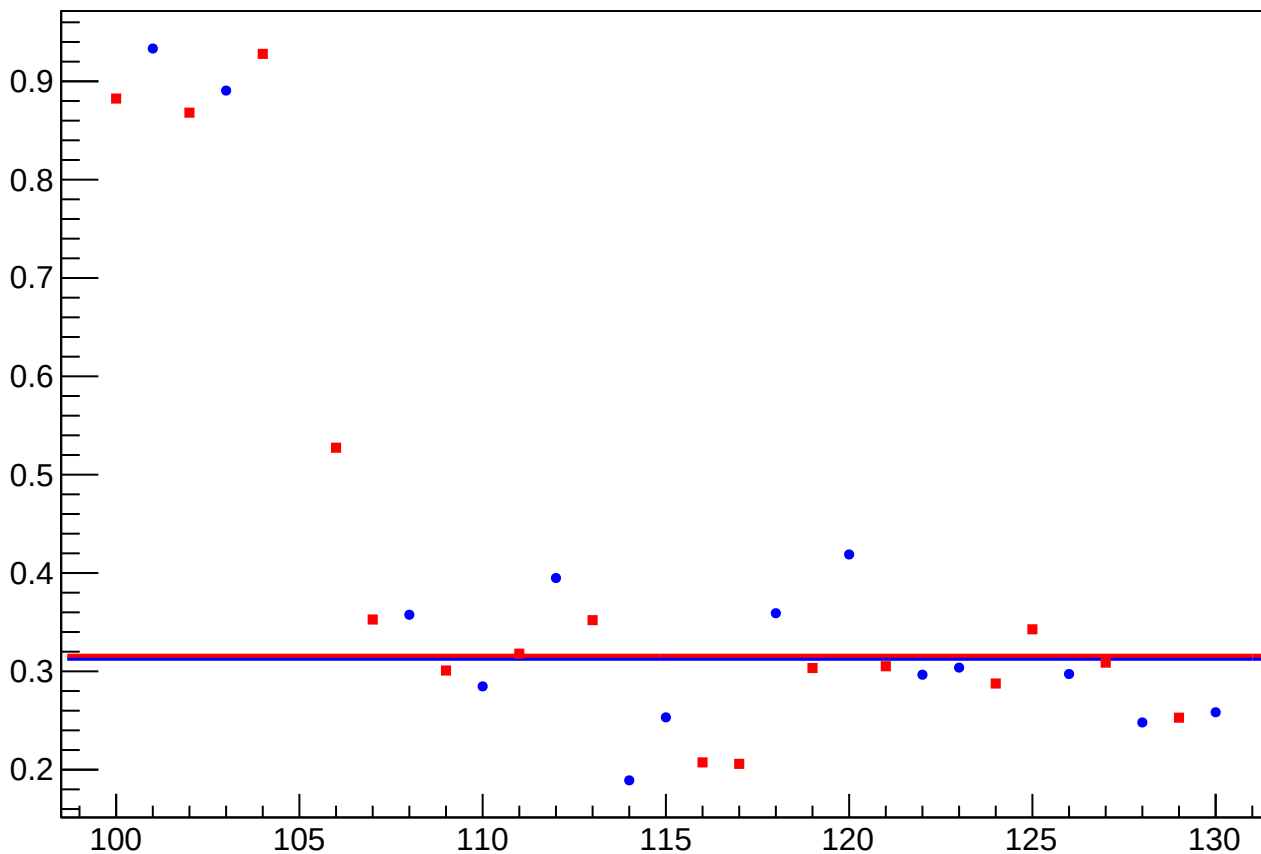
Right Out: 144.849 $\pm$ 0.000 χ^2 /NDF: 4563930227.1/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

142.537 $\pm$ 0.000 χ^2 /NDF: 3389384537.3/13

144.849 $\pm$ 0.000 χ^2 /NDF: 4563930227.1/15

yield_bcm_an_us_rms vs Slug



Right In: 0.313+/-0.000 χ^2/NDF : 1280165.5/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

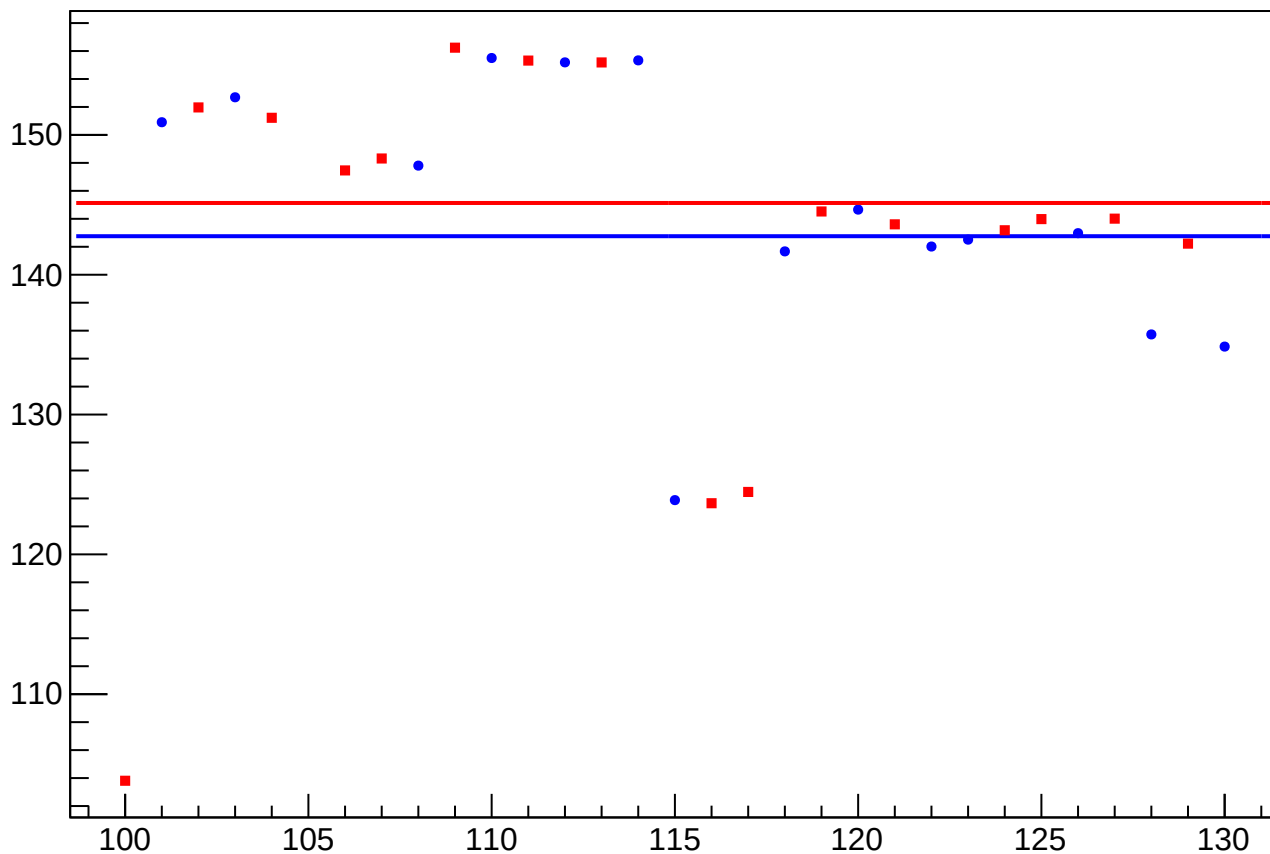
Right Out: 0.316+/-0.000 χ^2/NDF : 1194478.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.313+/-0.000 χ^2/NDF : 1280165.5/13

0.316+/-0.000 χ^2/NDF : 1194478.0/15

yield_bcm_dg_us_mean vs Slug



Right In: 142.756+/-0.000 χ^2/NDF : 2906829459.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

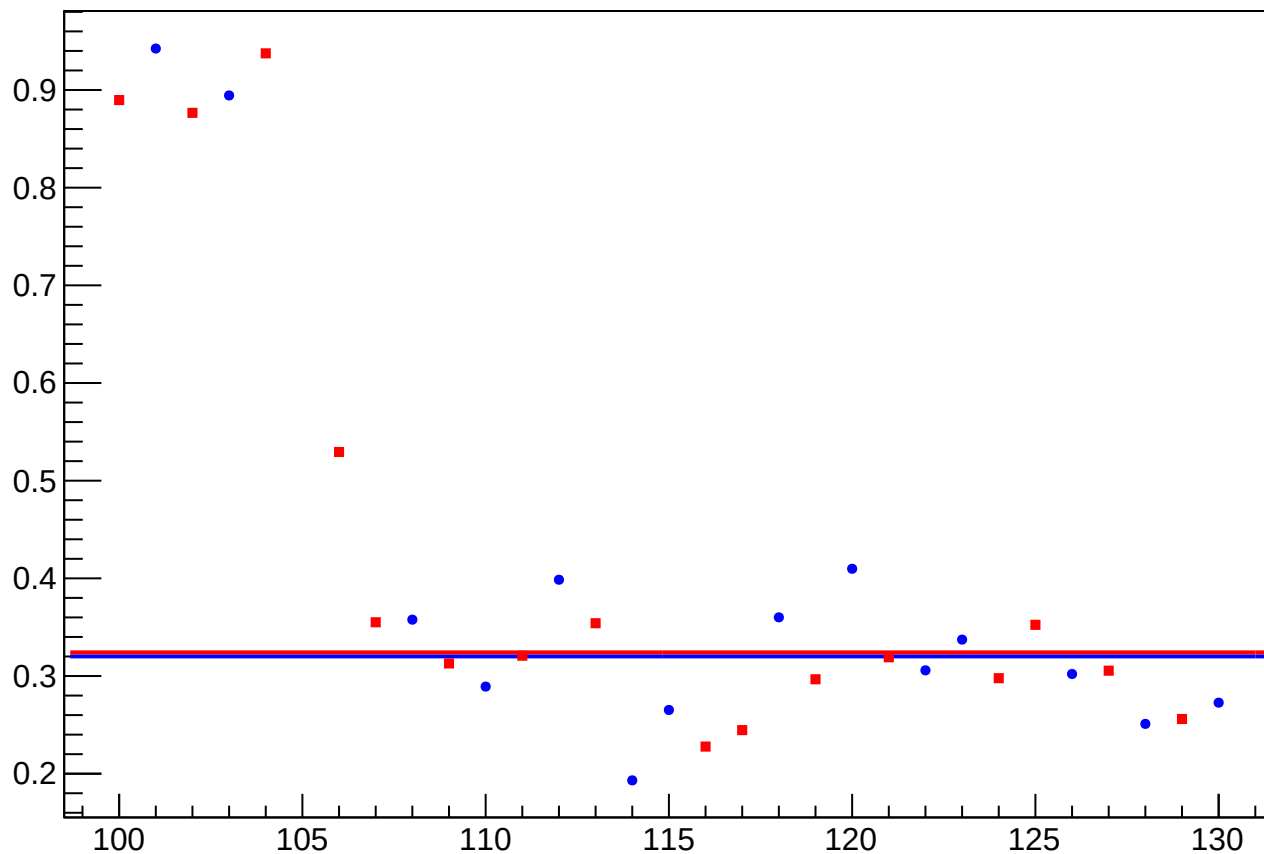
Right Out: 145.132+/-0.000 χ^2/NDF : 3880356481.3/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

142.756+/-0.000 χ^2/NDF : 2906829459.9/13

145.132+/-0.000 χ^2/NDF : 3880356481.3/15

yield_bcm_dg_us_rms vs Slug



Right In: 0.320+/-0.000 χ^2/NDF : 1235952.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

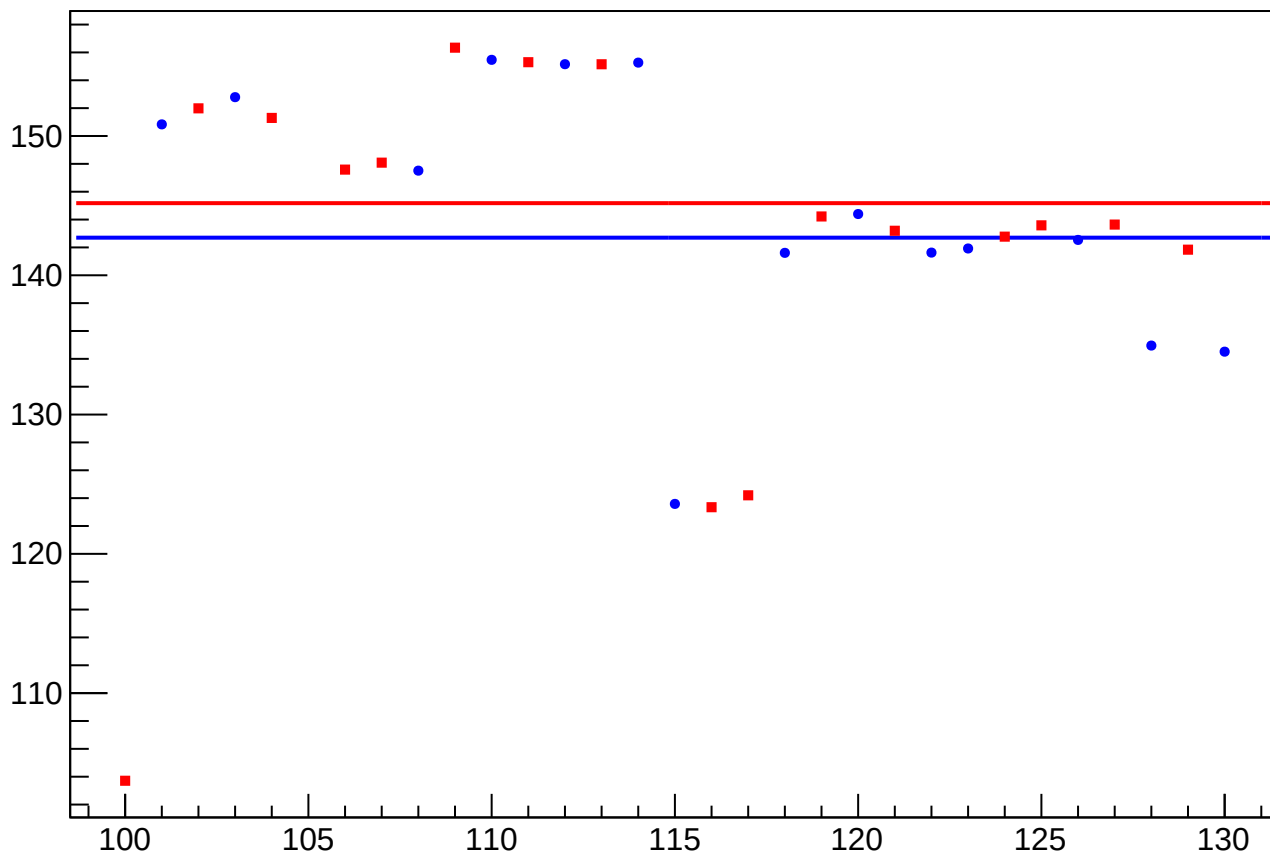
Right Out: 0.324+/-0.000 χ^2/NDF : 1128364.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.320+/-0.000 χ^2/NDF : 1235952.0/13

0.324+/-0.000 χ^2/NDF : 1128364.4/15

yield_bcm_dg_ds_mean vs Slug



Right In: 142.700 $\pm$ 0.000 χ^2 /NDF: 3060131975.0/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

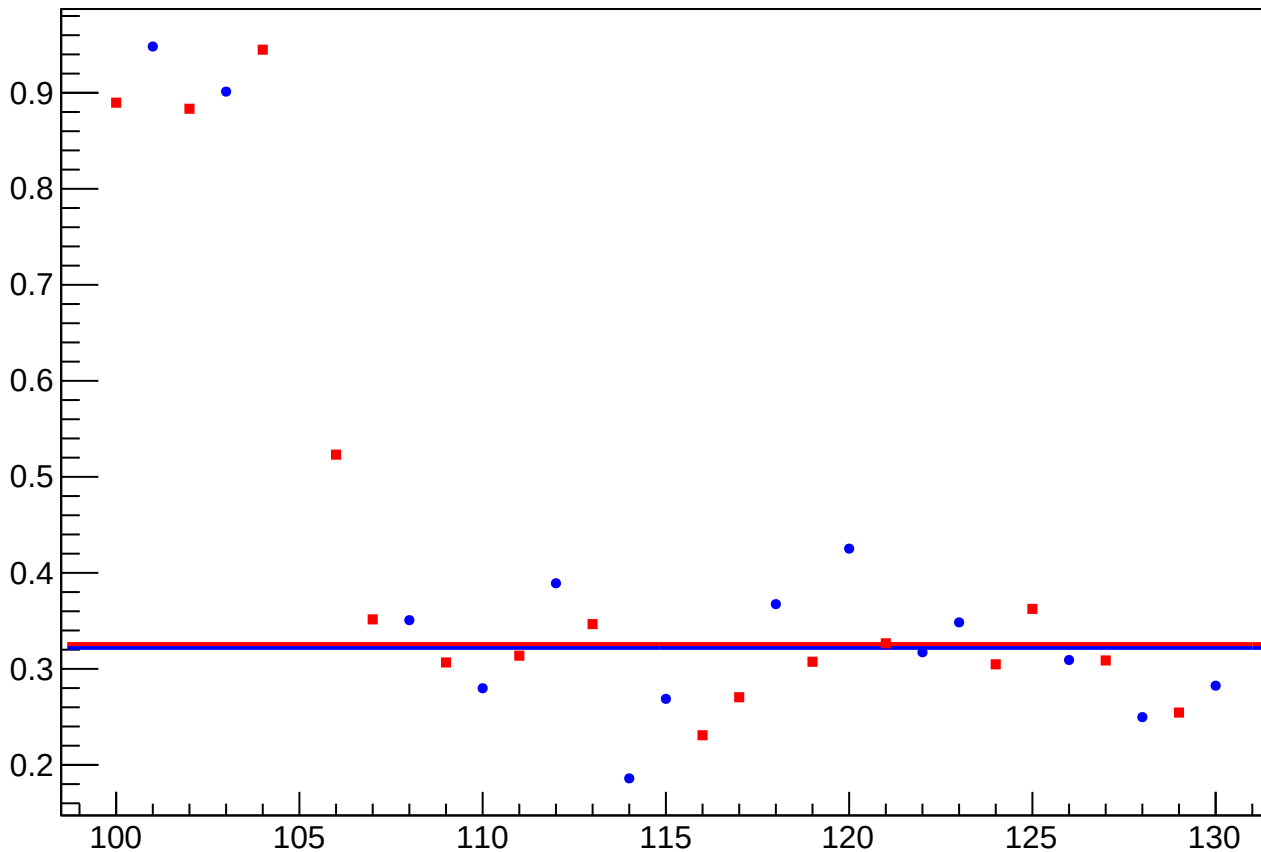
Right Out: 145.178 $\pm$ 0.000 χ^2 /NDF: 3919003198.2/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

142.700 $\pm$ 0.000 χ^2 /NDF: 3060131975.0/13

145.178 $\pm$ 0.000 χ^2 /NDF: 3919003198.2/15

yield_bcm_dg_ds_rms vs Slug



Right In: 0.322+/-0.000 χ^2/NDF : 1251839.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

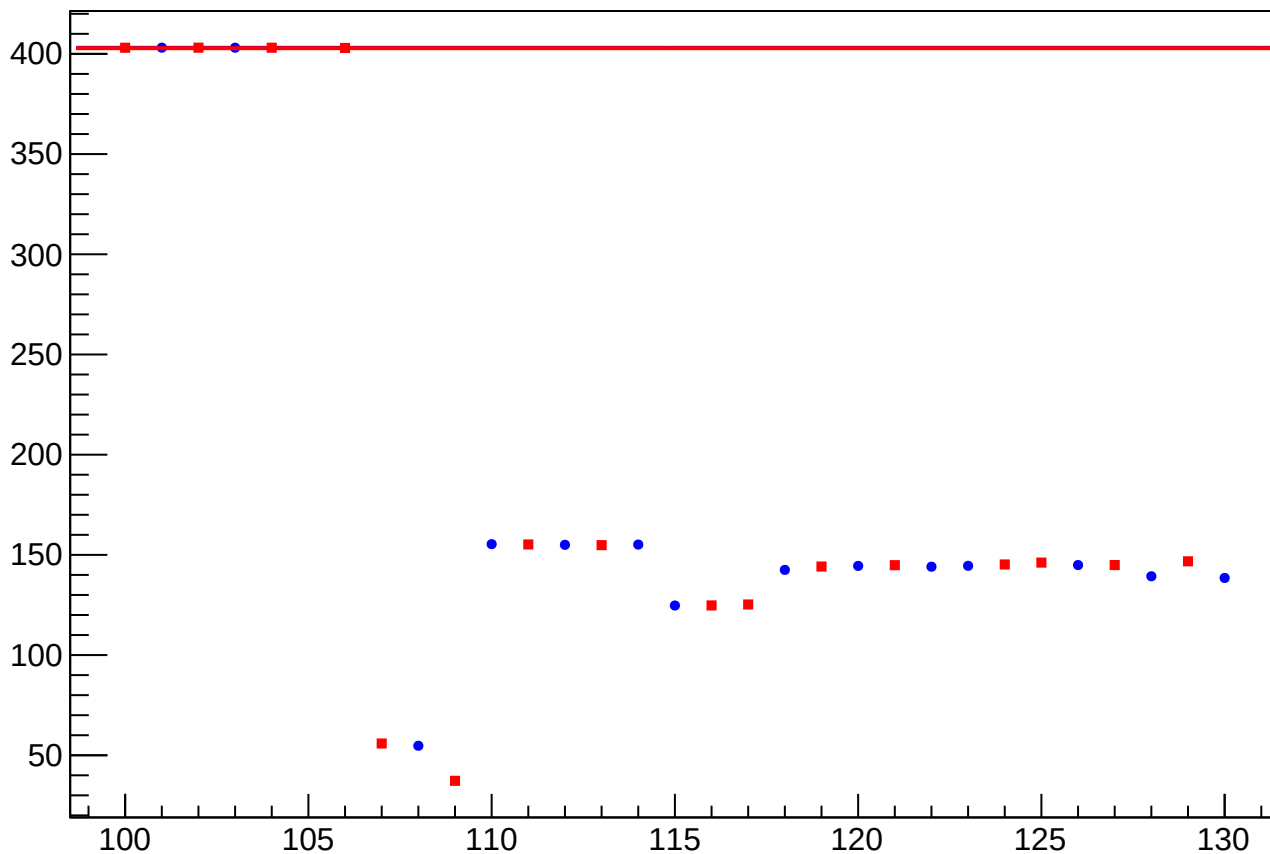
Right Out: 0.326+/-0.000 χ^2/NDF : 1117531.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.322+/-0.000 χ^2/NDF : 1251839.7/13

0.326+/-0.000 χ^2/NDF : 1117531.9/15

yield_cav4bQ_mean vs Slug



Right In: 403.014+/-0.000 χ^2/NDF : 646199607107.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

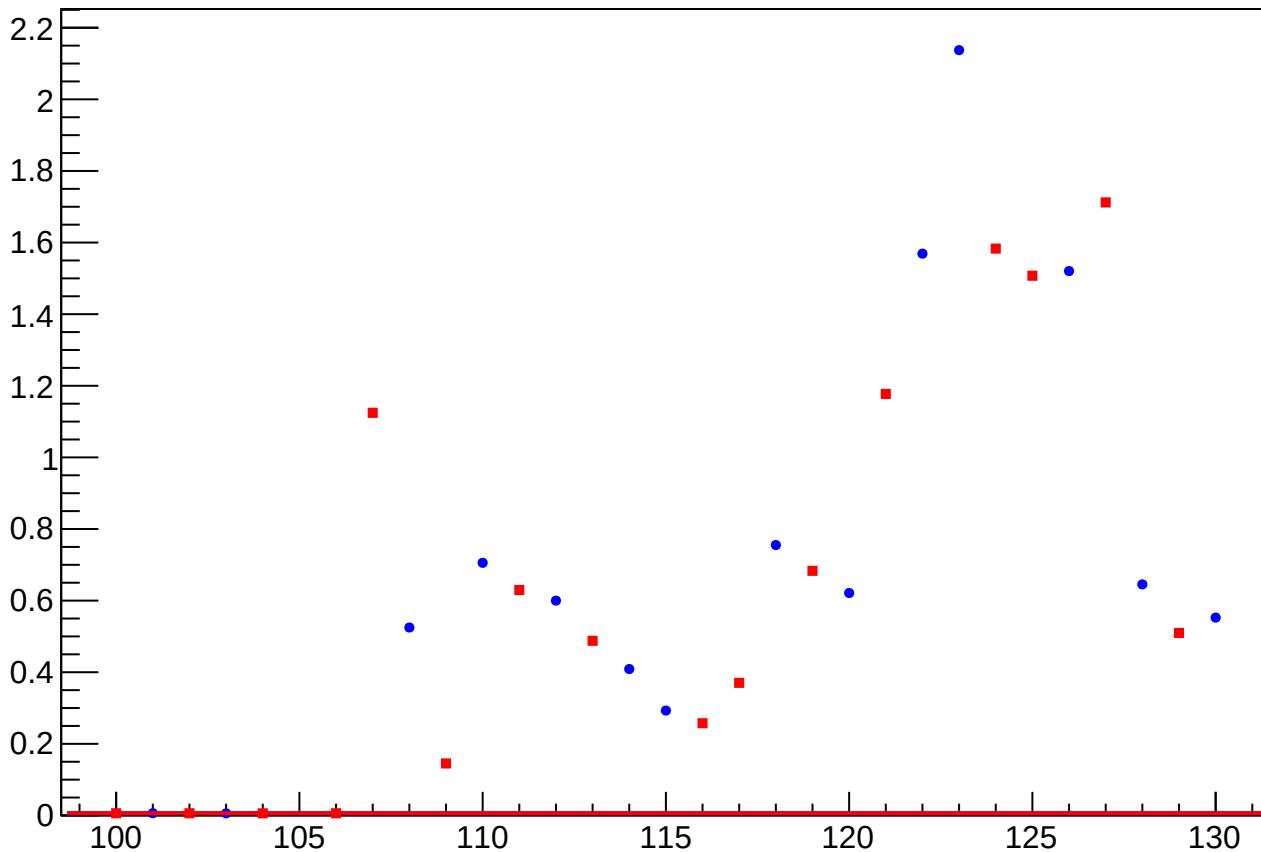
Right Out: 402.842+/-0.000 χ^2/NDF : 2703233805961.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

403.014+/-0.000 χ^2/NDF : 646199607107.0/13

402.842+/-0.000 χ^2/NDF : 2703233805961.8/15

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 6554043.8/13

Left Out: 0.000+/-0.000 χ^2/NDF :0.0/0

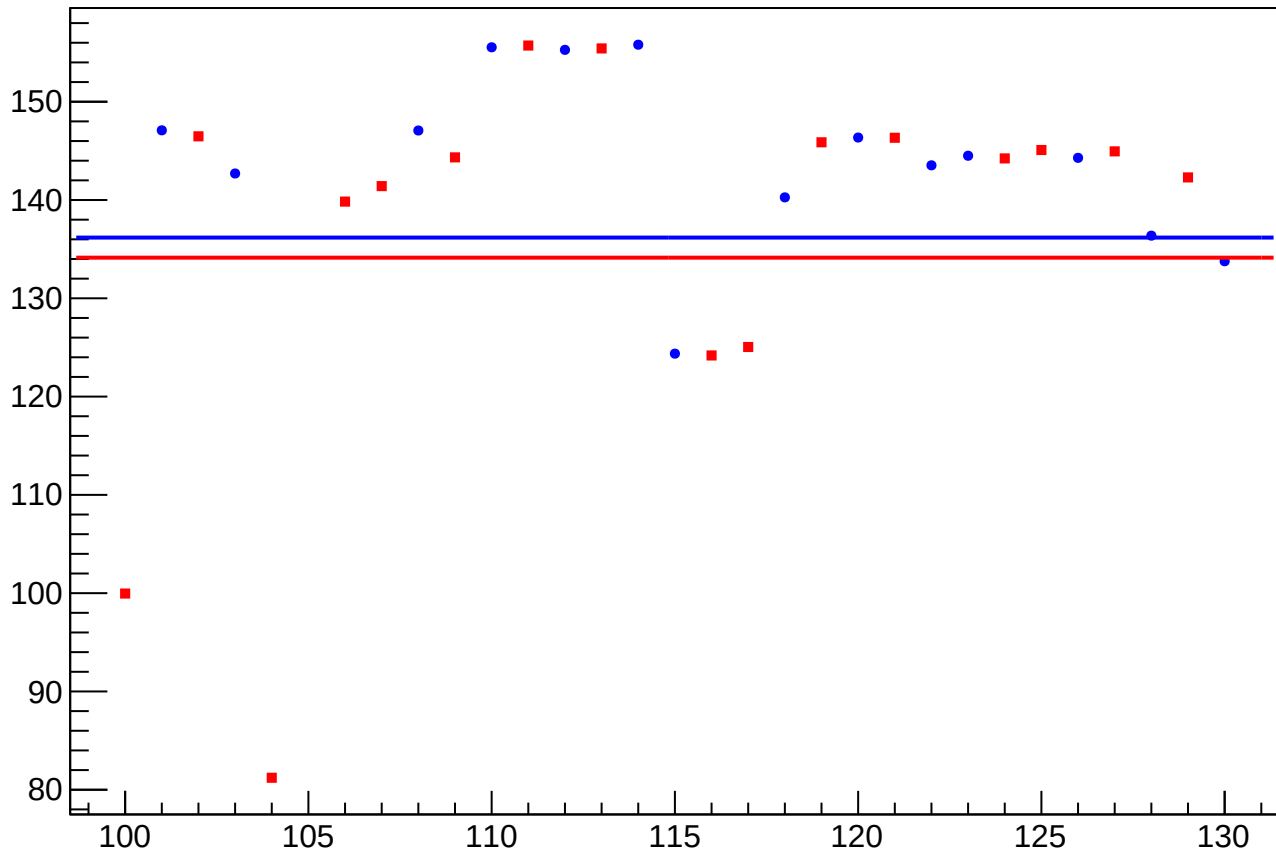
Right Out: 0.006+/-0.000 χ^2/NDF : 6605813.2/15

Left In: 0.000+/-0.000 χ^2/NDF :0.0/0

0.006+/-0.000 χ^2/NDF : 6554043.8/13

0.006+/-0.000 χ^2/NDF : 6605813.2/15

yield_cav4cQ_mean vs Slug



Right In: 136.178+/-0.000 χ^2/NDF : 521601098.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

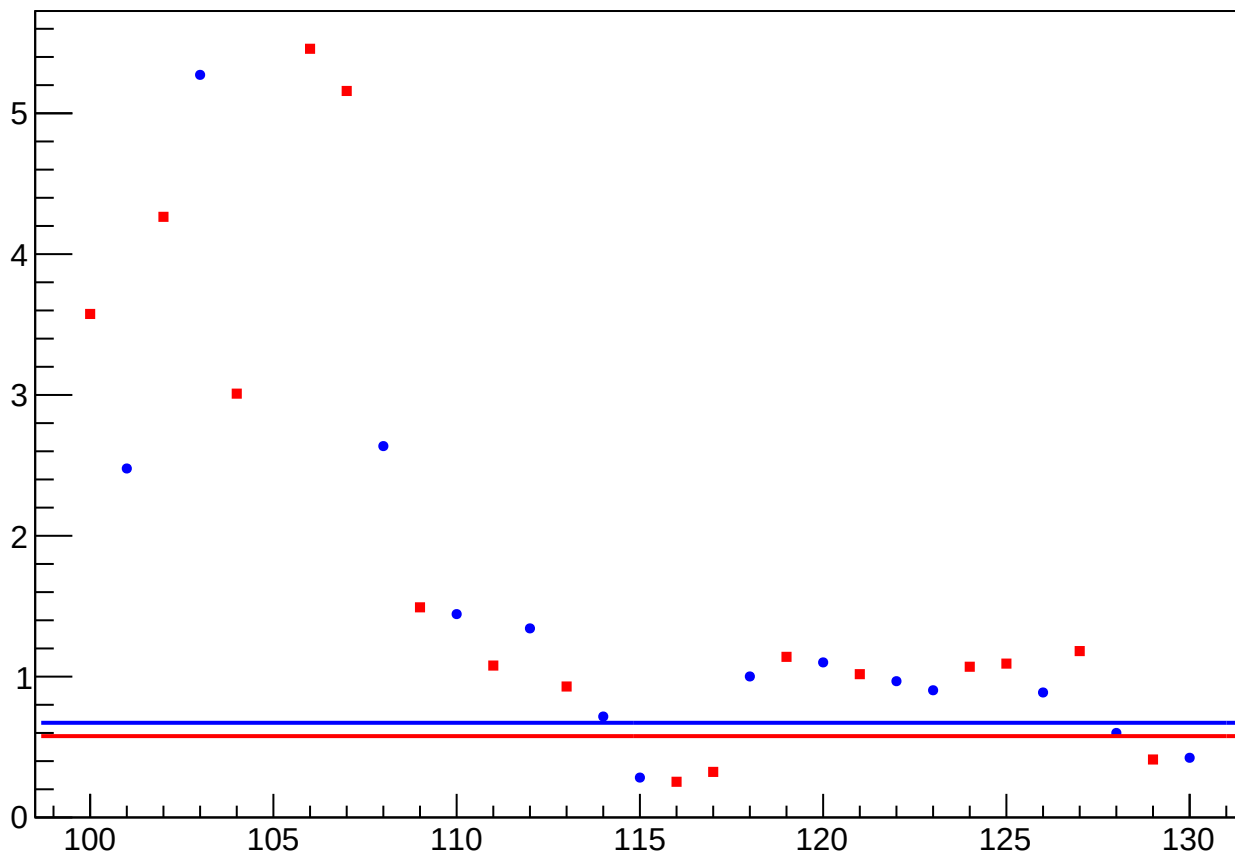
136.178+/-0.000 χ^2/NDF : 521601098.8/13

Right Out: 134.135+/-0.000 χ^2/NDF : 1108651389.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

134.135+/-0.000 χ^2/NDF : 1108651389.6/15

yield_cav4cQ_rms vs Slug



Right In: 0.672+/-0.000 χ^2/NDF : 3067832.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

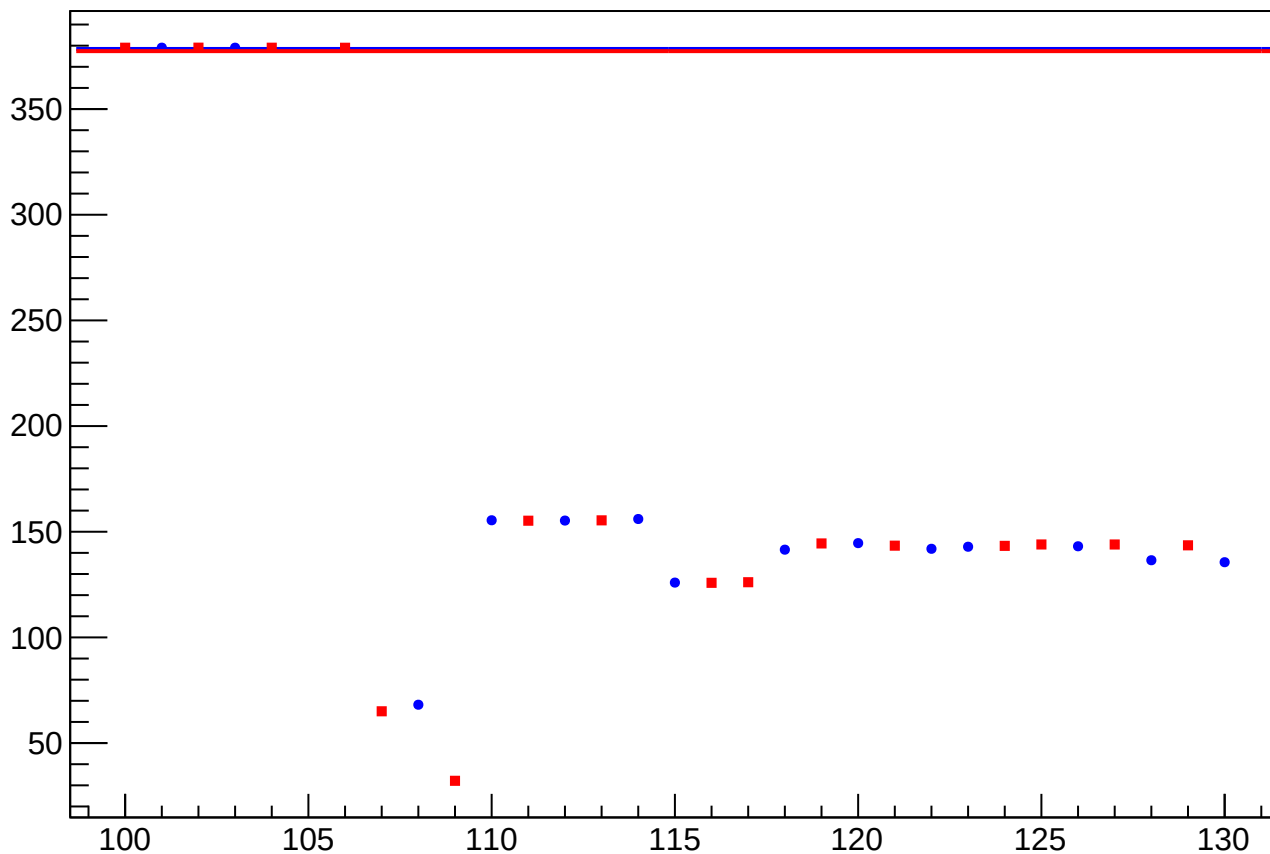
Right Out: 0.578+/-0.000 χ^2/NDF : 4551383.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.672+/-0.000 χ^2/NDF : 3067832.4/13

0.578+/-0.000 χ^2/NDF : 4551383.9/15

yield_cav4dQ_mean vs Slug



Right In: 378.442+/-0.000 χ^2/NDF : 2021249620960.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

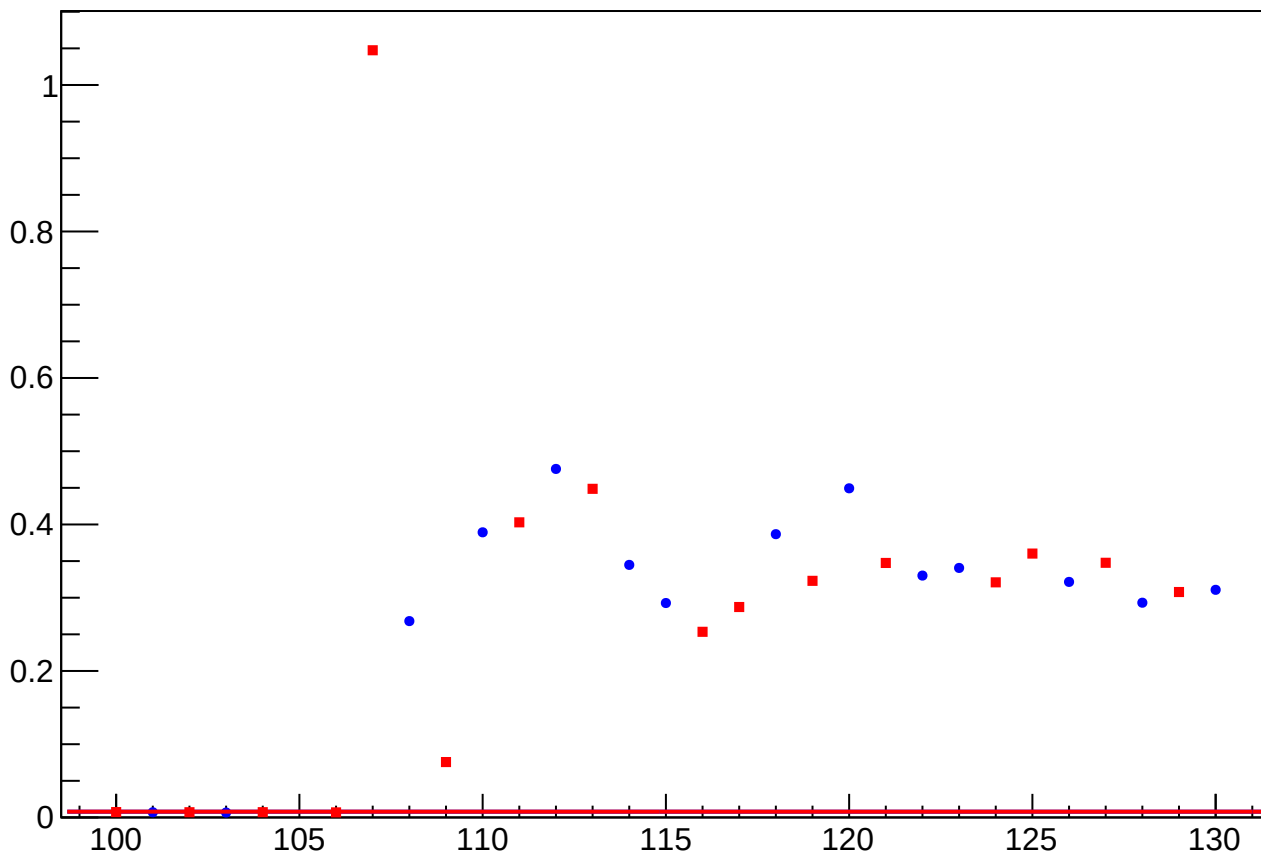
Right Out: 377.416+/-0.000 χ^2/NDF : 7831507429889.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

378.442+/-0.000 χ^2/NDF : 2021249620960.4/13

377.416+/-0.000 χ^2/NDF : 7831507429889.1/15

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 7223283.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

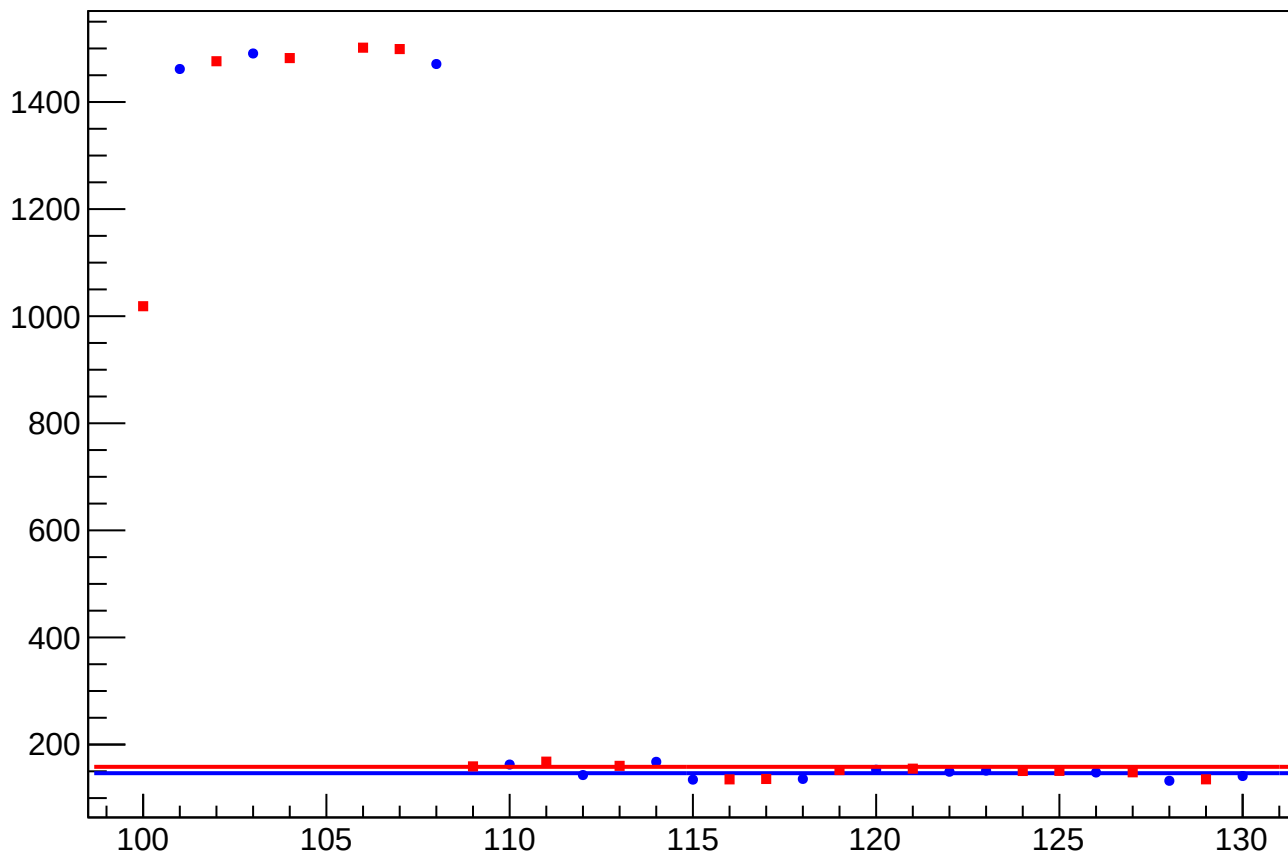
Right Out: 0.008+/-0.000 χ^2/NDF : 6870471.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.008+/-0.000 χ^2/NDF : 7223283.2/13

0.008+/-0.000 χ^2/NDF : 6870471.7/15

yield_bcm0l02_mean vs Slug



Right In: 146.490+/-0.000 χ^2/NDF : 24343056275.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

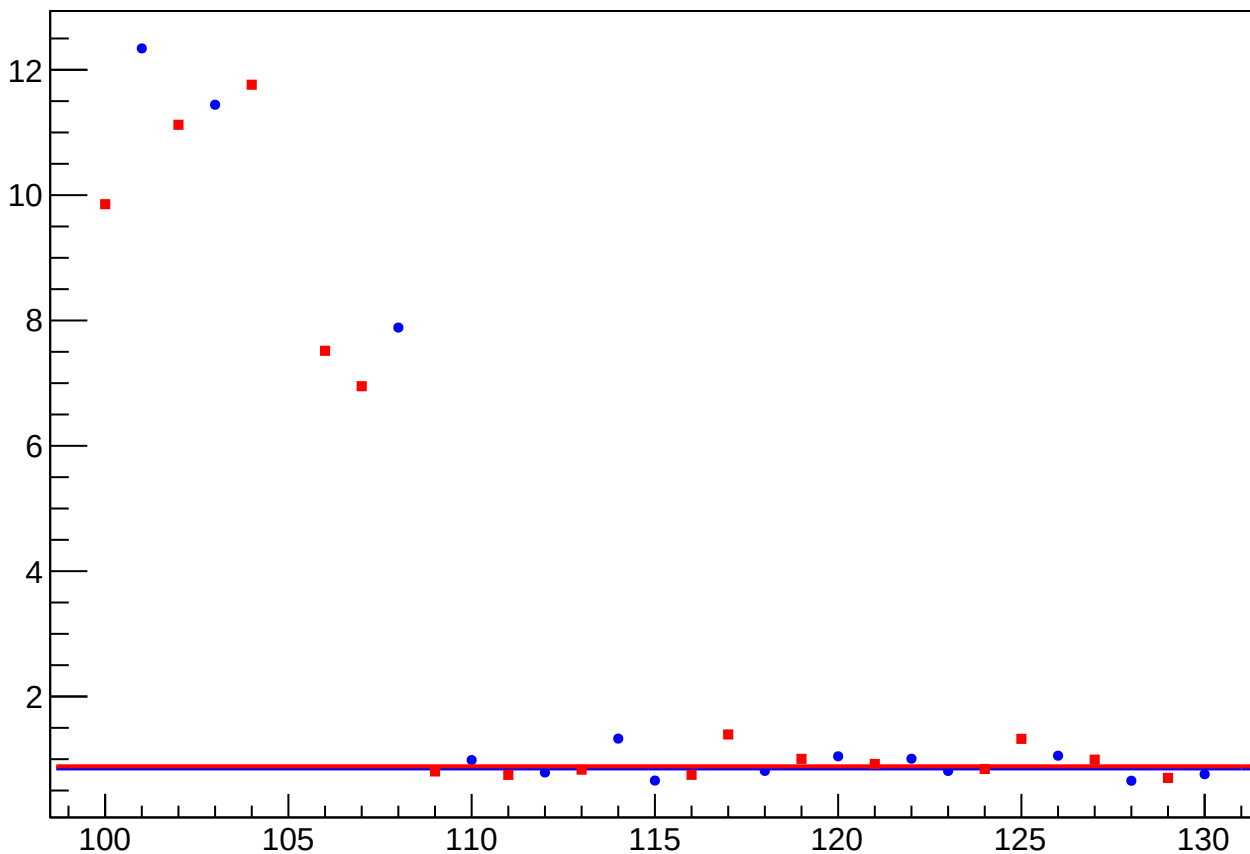
Right Out: 158.358+/-0.001 χ^2/NDF : 33315711255.3/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

146.490+/-0.000 χ^2/NDF : 24343056275.2/13

158.358+/-0.001 χ^2/NDF : 33315711255.3/15

yield_bcm0l02_rms vs Slug



Right In: 0.852 $\pm$ 0.000 χ^2 /NDF: 2662832.6/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

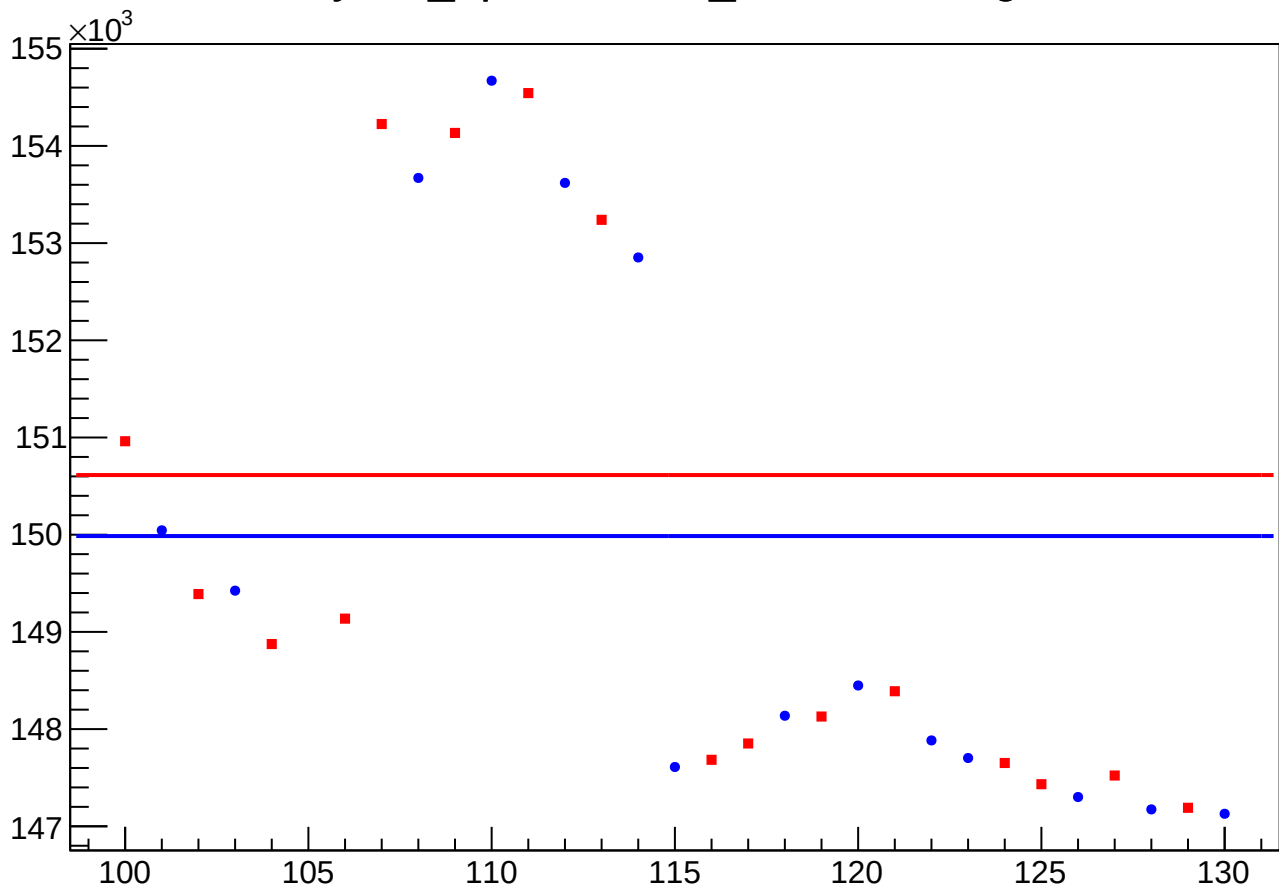
Right Out: 0.886 $\pm$ 0.000 χ^2 /NDF: 2787437.7/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.852 $\pm$ 0.000 χ^2 /NDF: 2662832.6/13

0.886 $\pm$ 0.000 χ^2 /NDF: 2787437.7/15

yield_bpm0i01WS_mean vs Slug



Right In: 149986.131 $\pm$ 0.069 χ^2 /NDF: 1840295803.6/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

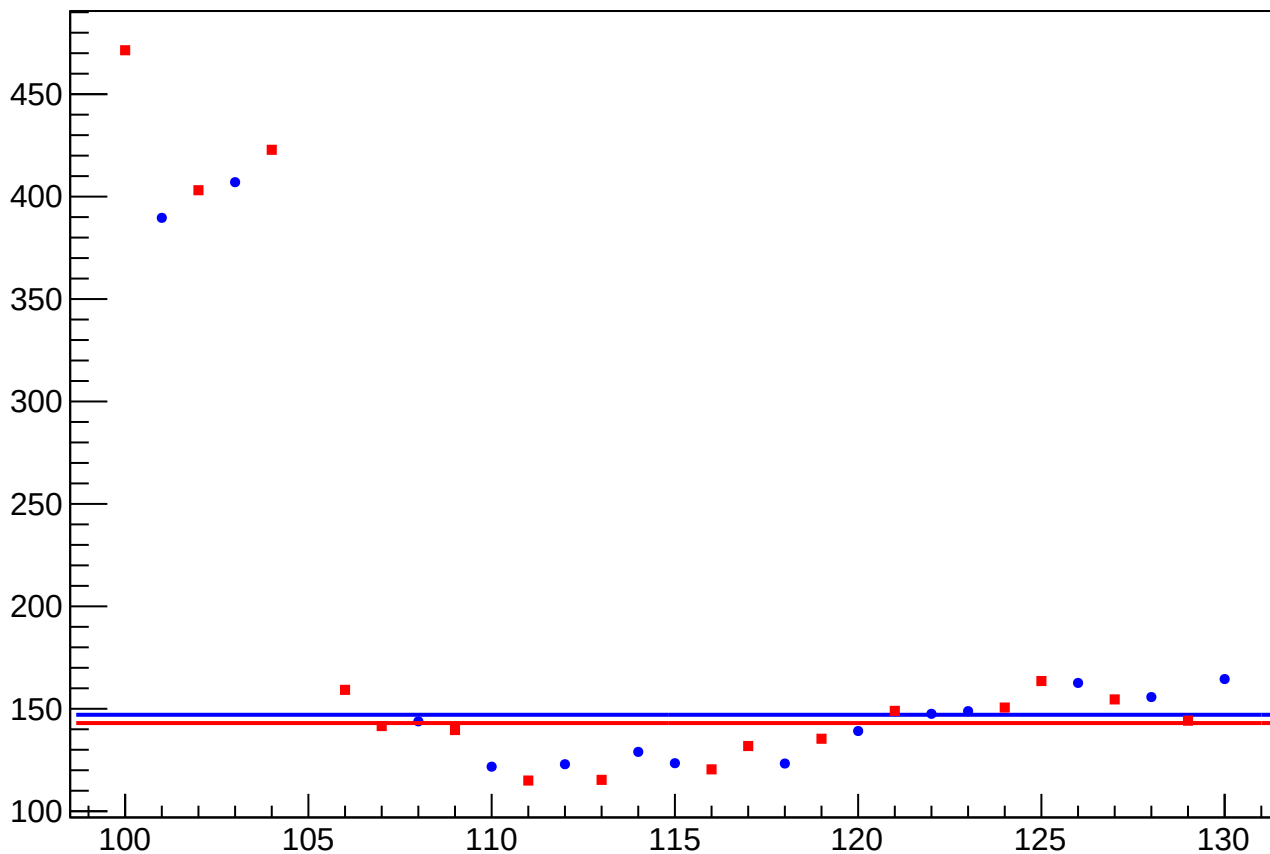
Right Out: 150613.761 $\pm$ 0.065 χ^2 /NDF: 2252230615.0/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

149986.131 $\pm$ 0.069 χ^2 /NDF: 1840295803.6/13

150613.761 $\pm$ 0.065 χ^2 /NDF: 2252230615.0/15

yield_bpm0i01WS_rms vs Slug



Right In: 147.076+/-0.049 χ^2/NDF : 1051064.5/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

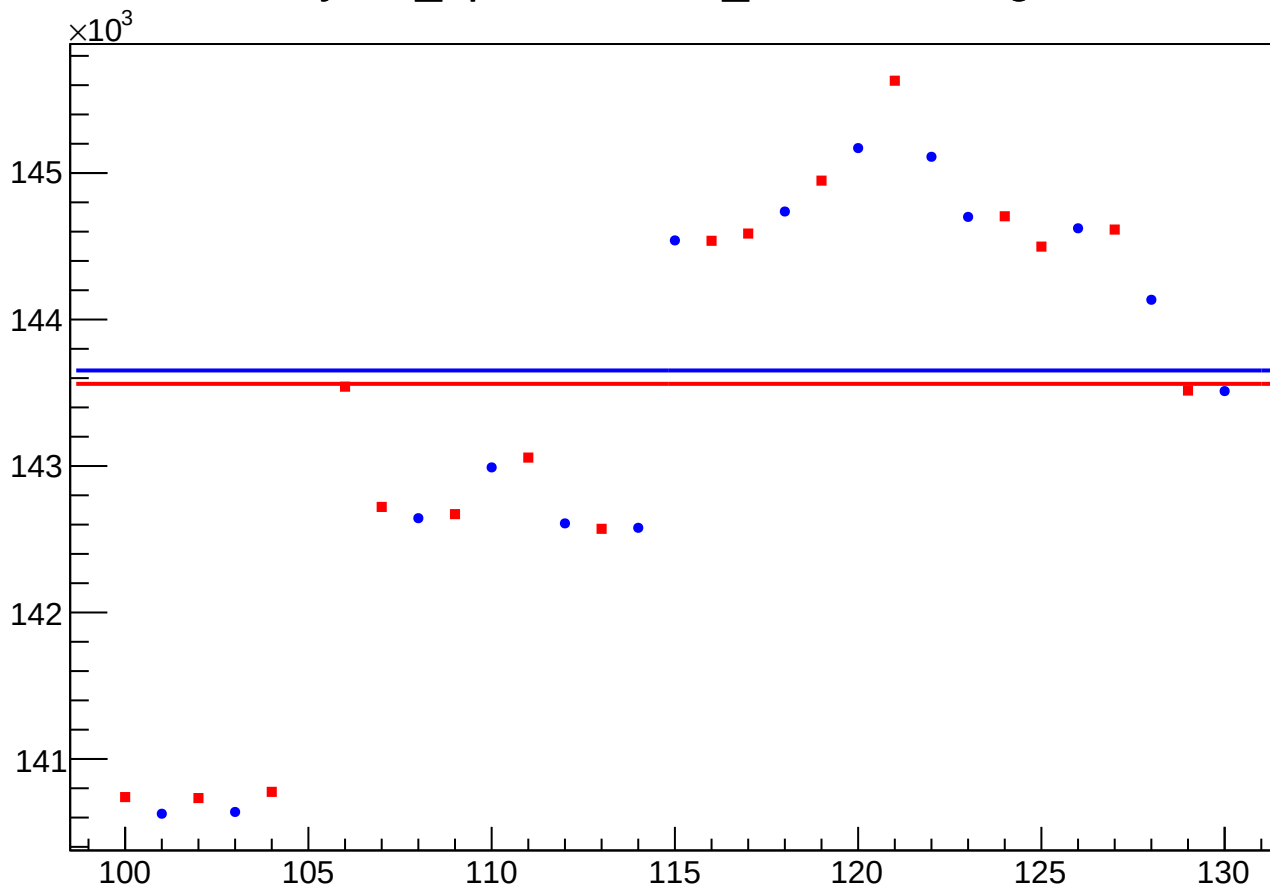
Right Out: 143.031+/-0.046 χ^2/NDF : 1094289.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

147.076+/-0.049 χ^2/NDF : 1051064.5/13

143.031+/-0.046 χ^2/NDF : 1094289.8/15

yield_bpm0i01aWS_mean vs Slug



Right In: 143652.298 $\pm$ 0.058 χ^2 /NDF: 369444822.8/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

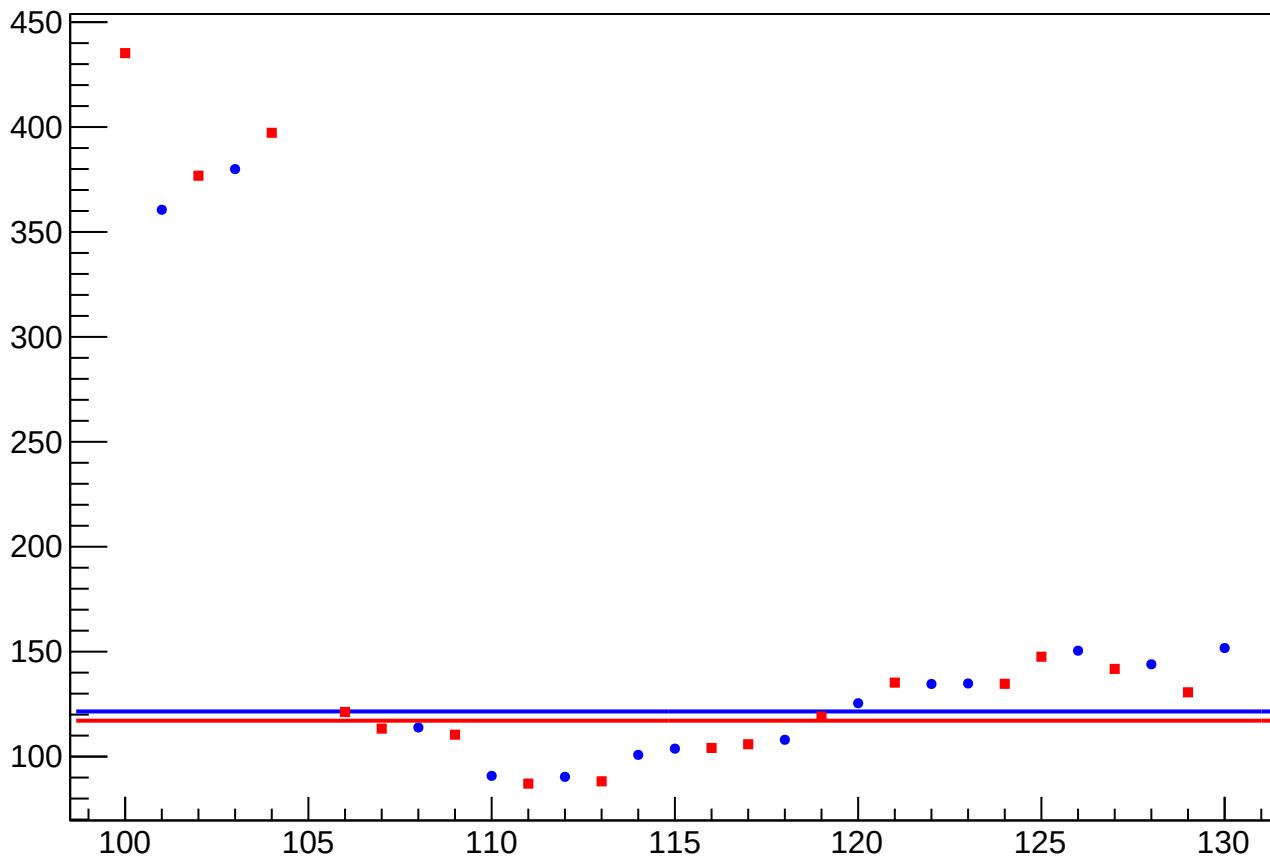
Right Out: 143560.858 $\pm$ 0.053 χ^2 /NDF: 406322094.5/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

143652.298 $\pm$ 0.058 χ^2 /NDF: 369444822.8/13

143560.858 $\pm$ 0.053 χ^2 /NDF: 406322094.5/15

yield_bpm0i01aWS_rms vs Slug



Right In: 121.507 $\pm$ 0.041 χ^2 /NDF: 1347658.3/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

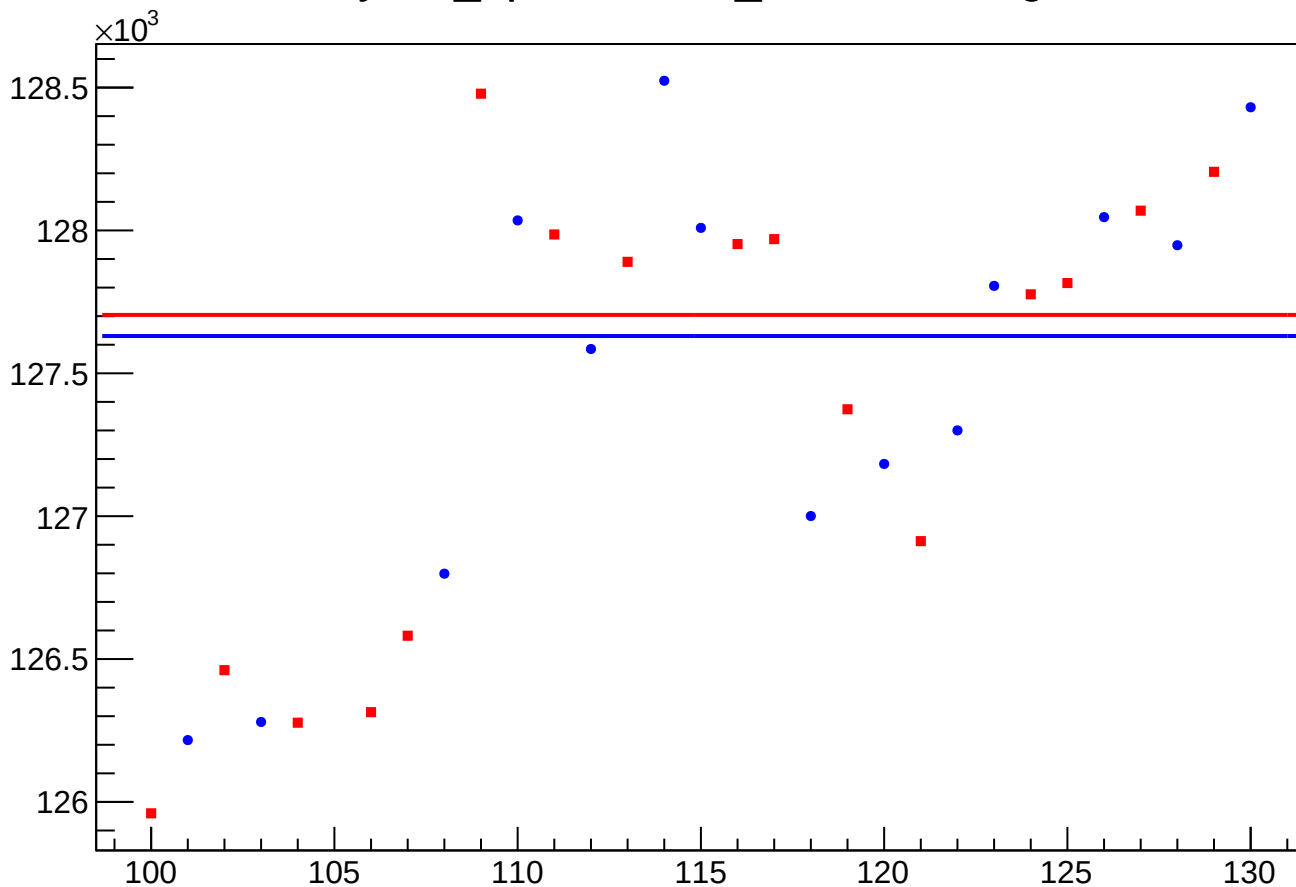
Right Out: 117.111 $\pm$ 0.038 χ^2 /NDF: 1367042.5/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

121.507 $\pm$ 0.041 χ^2 /NDF: 1347658.3/13

117.111 $\pm$ 0.038 χ^2 /NDF: 1367042.5/15

yield_bpm0l01WS_mean vs Slug



Right In: 127630.458 $\pm$ 0.066 χ^2 /NDF: 84373095.8/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

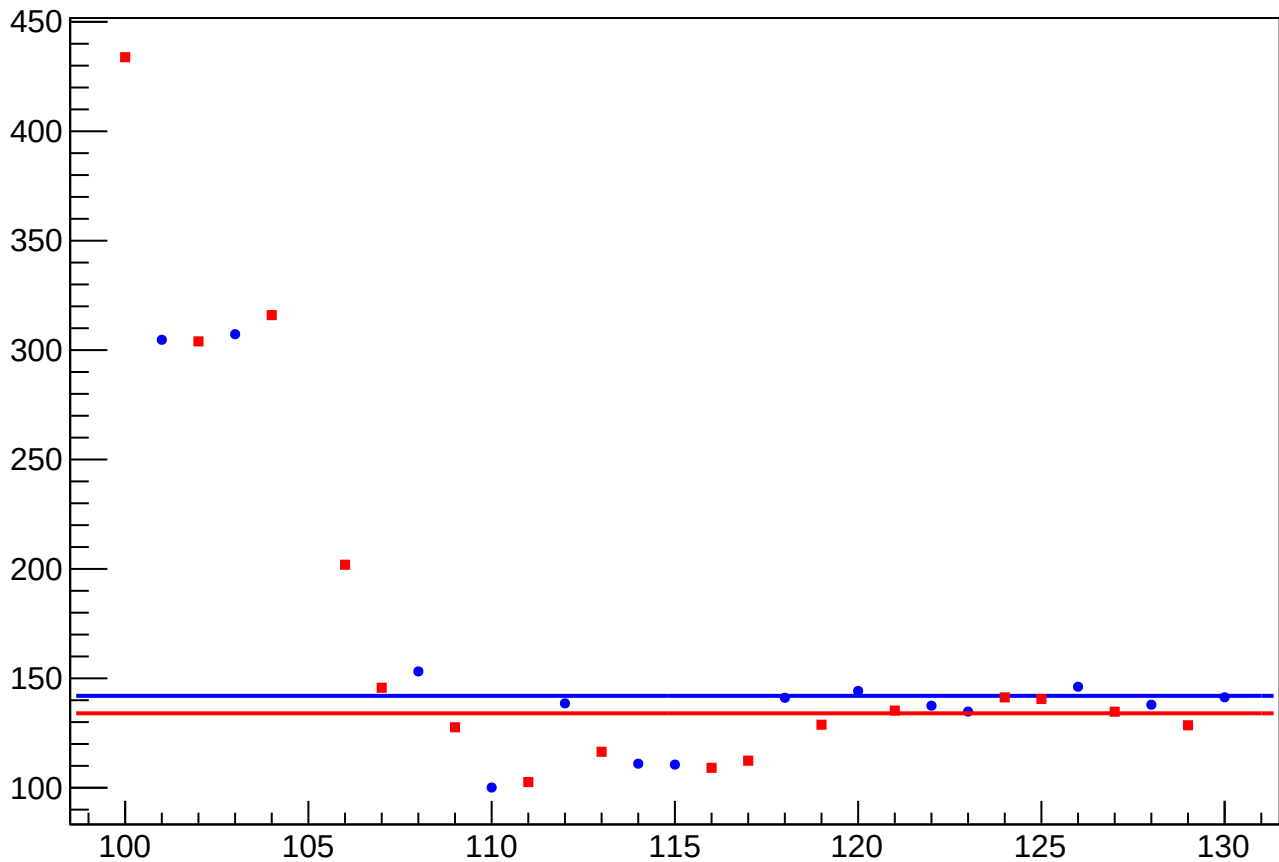
127630.458 $\pm$ 0.066 χ^2 /NDF: 84373095.8/13

Right Out: 127704.375 $\pm$ 0.060 χ^2 /NDF: 102446638.9/15

127704.375 $\pm$ 0.060 χ^2 /NDF: 102446638.9/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

yield_bpm0l01WS_rms vs Slug



Right In: 141.997 $\pm$ 0.047 χ^2 /NDF: 822879.1/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

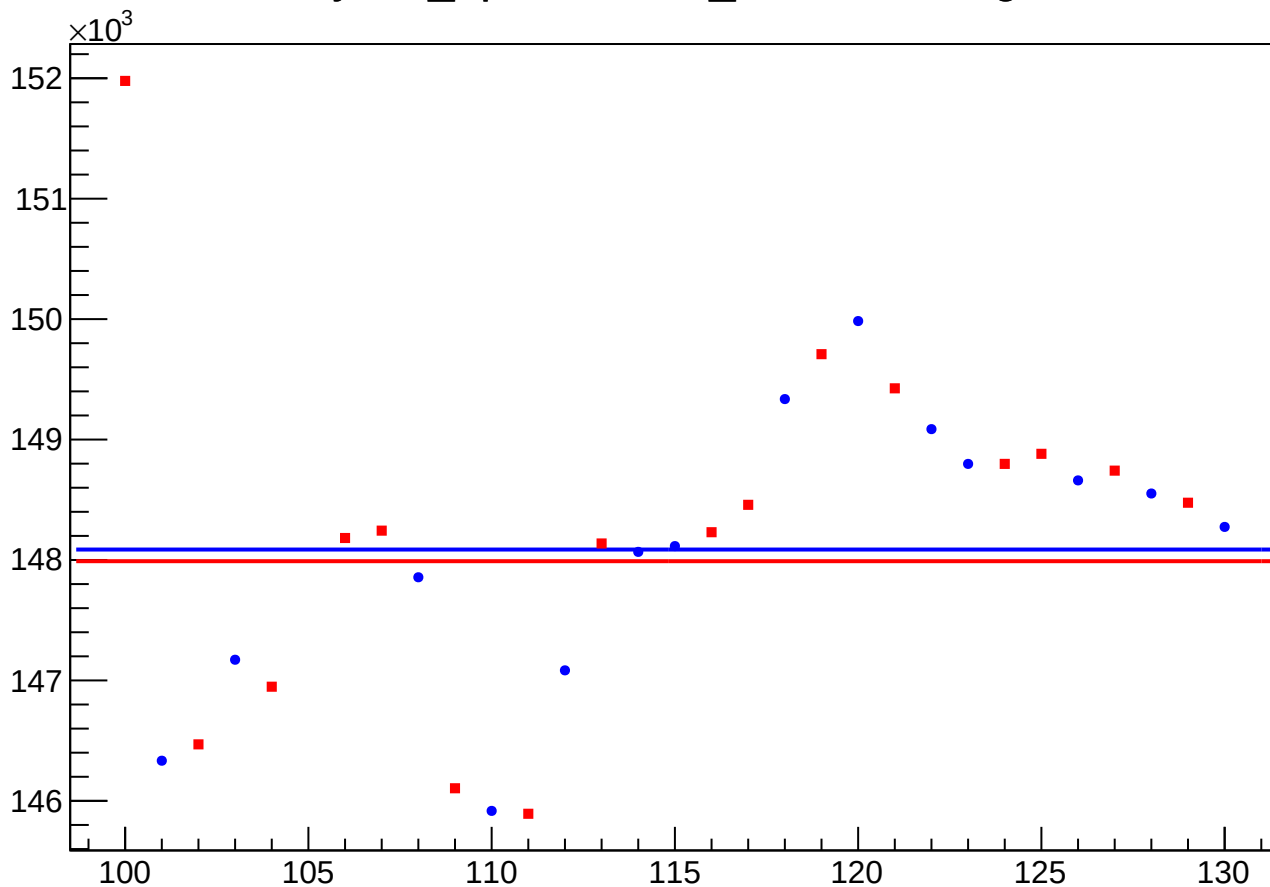
Right Out: 134.013 $\pm$ 0.042 χ^2 /NDF: 929729.8/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

141.997 $\pm$ 0.047 χ^2 /NDF: 822879.1/13

134.013 $\pm$ 0.042 χ^2 /NDF: 929729.8/15

yield_bpm0l02WS_mean vs Slug



Right In: 148086.806 $\pm$ 0.097 χ^2 /NDF: 107316634.0/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

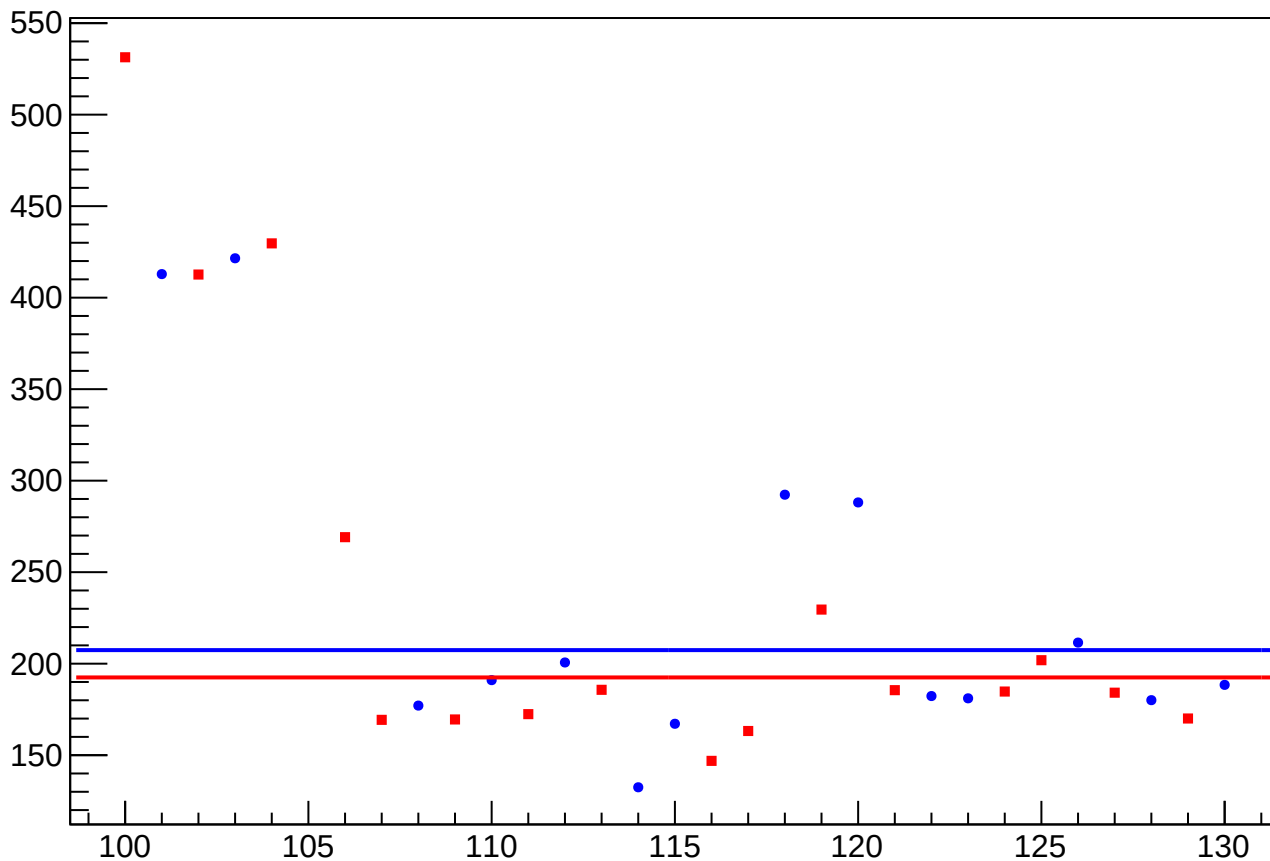
Right Out: 147990.060 $\pm$ 0.086 χ^2 /NDF: 207149816.2/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

148086.806 $\pm$ 0.097 χ^2 /NDF: 107316634.0/13

147990.060 $\pm$ 0.086 χ^2 /NDF: 207149816.2/15

yield_bpm0l02WS_rms vs Slug



Right In: 207.410+/-0.068 χ^2/NDF : 875047.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

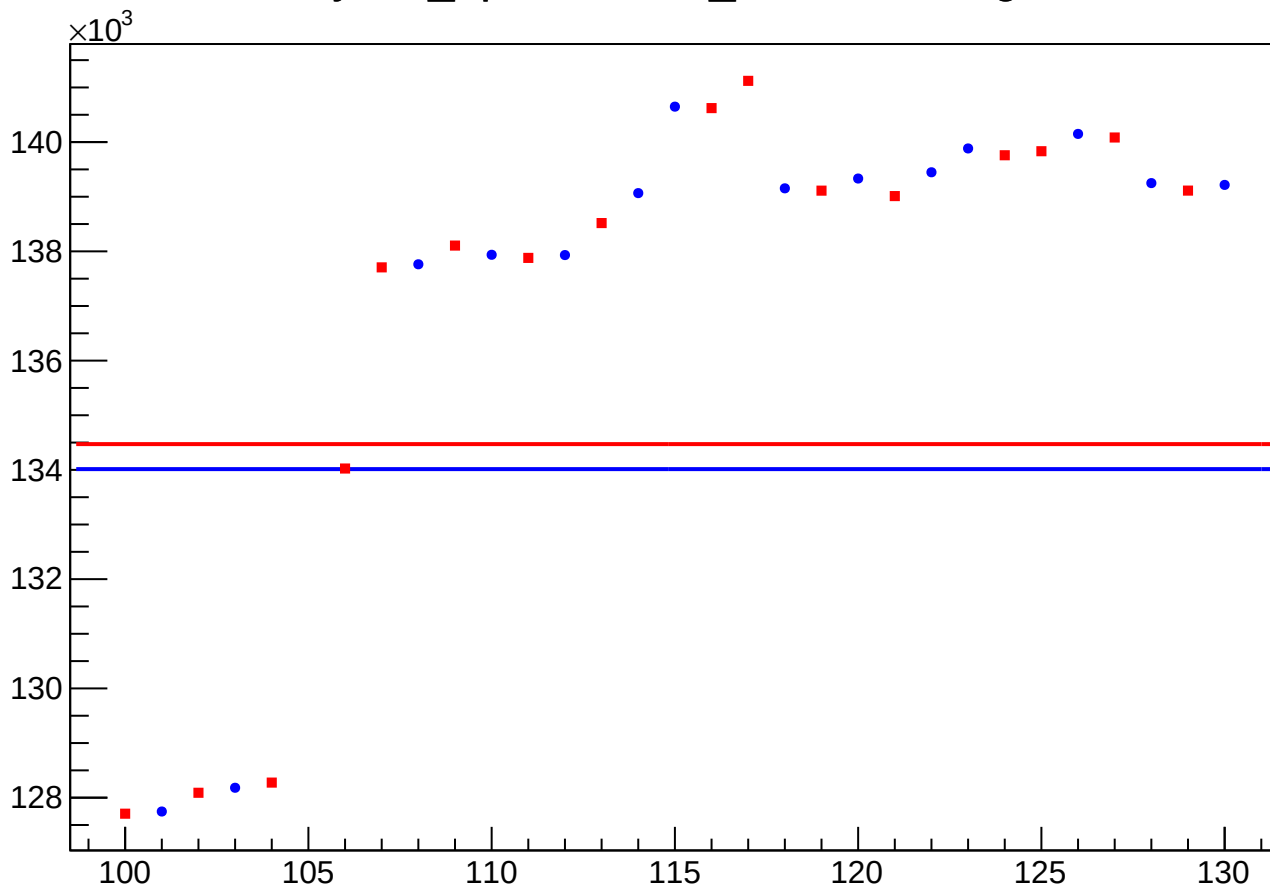
207.410+/-0.068 χ^2/NDF : 875047.9/13

Right Out: 192.480+/-0.061 χ^2/NDF : 839812.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

192.480+/-0.061 χ^2/NDF : 839812.0/15

yield_bpm0l03WS_mean vs Slug



Right In: 134014.125 $\pm$ 0.197 χ^2 /NDF: 782731812.8/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

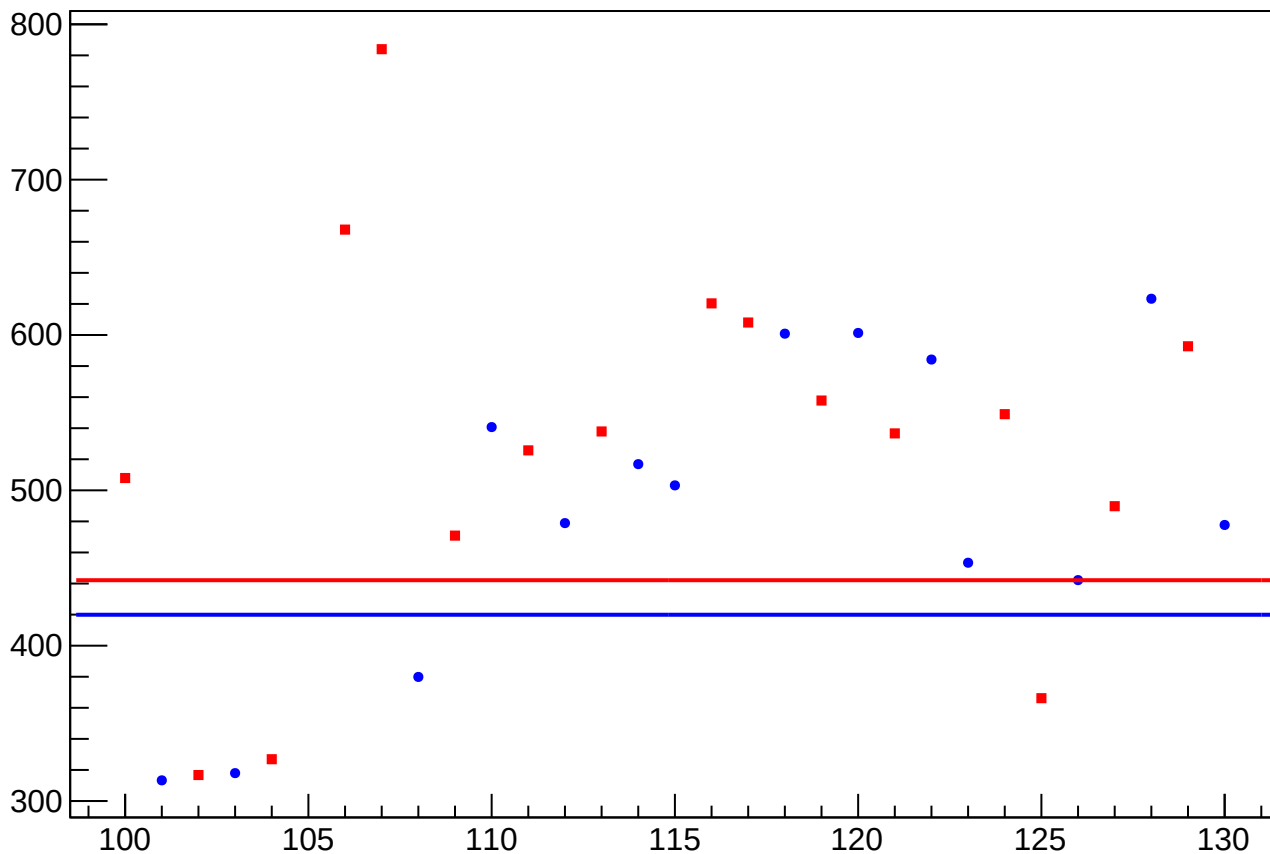
Right Out: 134471.815 $\pm$ 0.199 χ^2 /NDF: 715070098.8/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

134014.125 $\pm$ 0.197 χ^2 /NDF: 782731812.8/13

134471.815 $\pm$ 0.199 χ^2 /NDF: 715070098.8/15

yield_bpm0l03WS_rms vs Slug



Right In: 419.912 $\pm$ 0.139 χ^2 /NDF: 625456.1/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

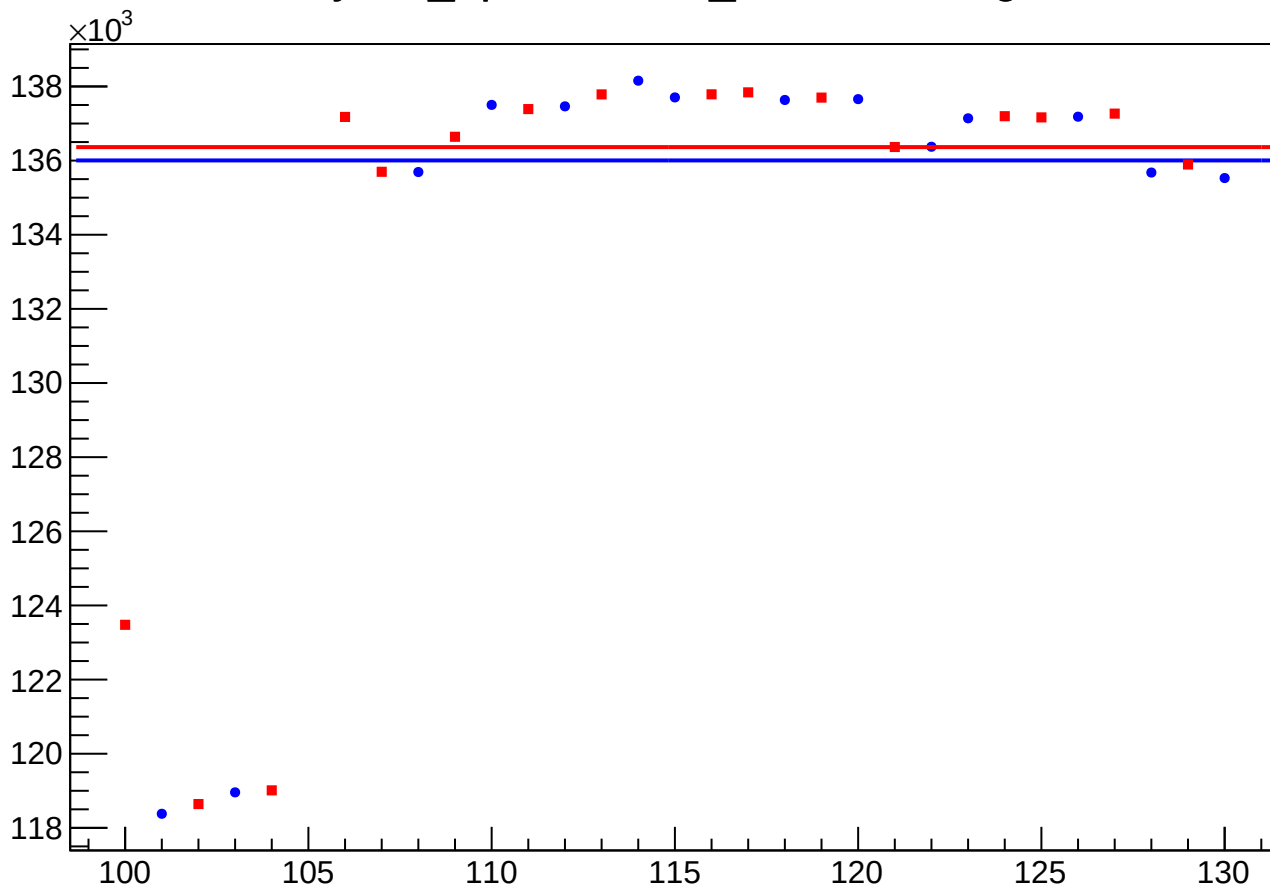
Right Out: 442.143 $\pm$ 0.141 χ^2 /NDF: 728774.7/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

419.912 $\pm$ 0.139 χ^2 /NDF: 625456.1/13

442.143 $\pm$ 0.141 χ^2 /NDF: 728774.7/15

yield_bpm0l04WS_mean vs Slug



Right In: 136004.449 $\pm$ 0.075 χ^2 /NDF: 3416533581.4/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

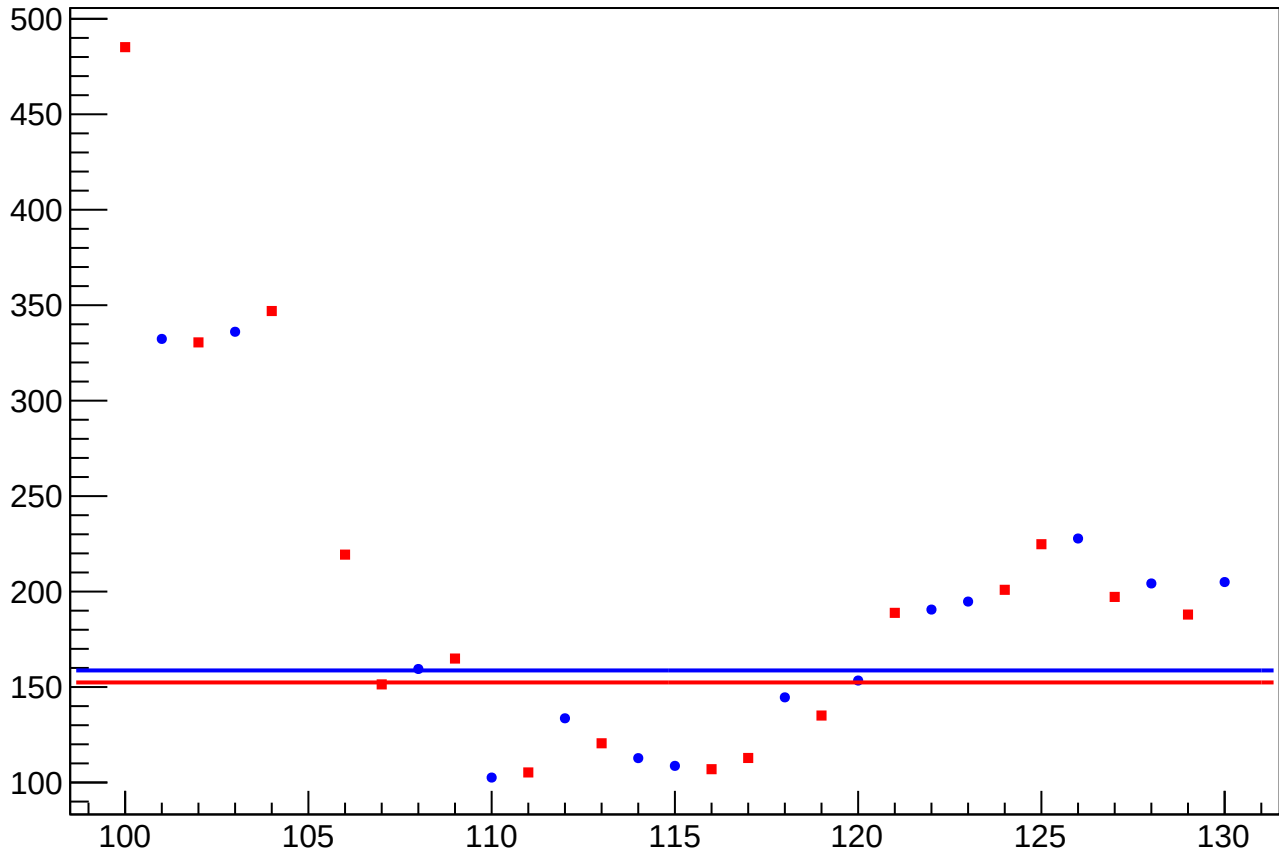
Right Out: 136364.068 $\pm$ 0.069 χ^2 /NDF: 3075706541.6/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

136004.449 $\pm$ 0.075 χ^2 /NDF: 3416533581.4/13

136364.068 $\pm$ 0.069 χ^2 /NDF: 3075706541.6/15

yield_bpm0l04WS_rms vs Slug



Right In: 158.694 $\pm$ 0.053 χ^2 /NDF: 1148182.9/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

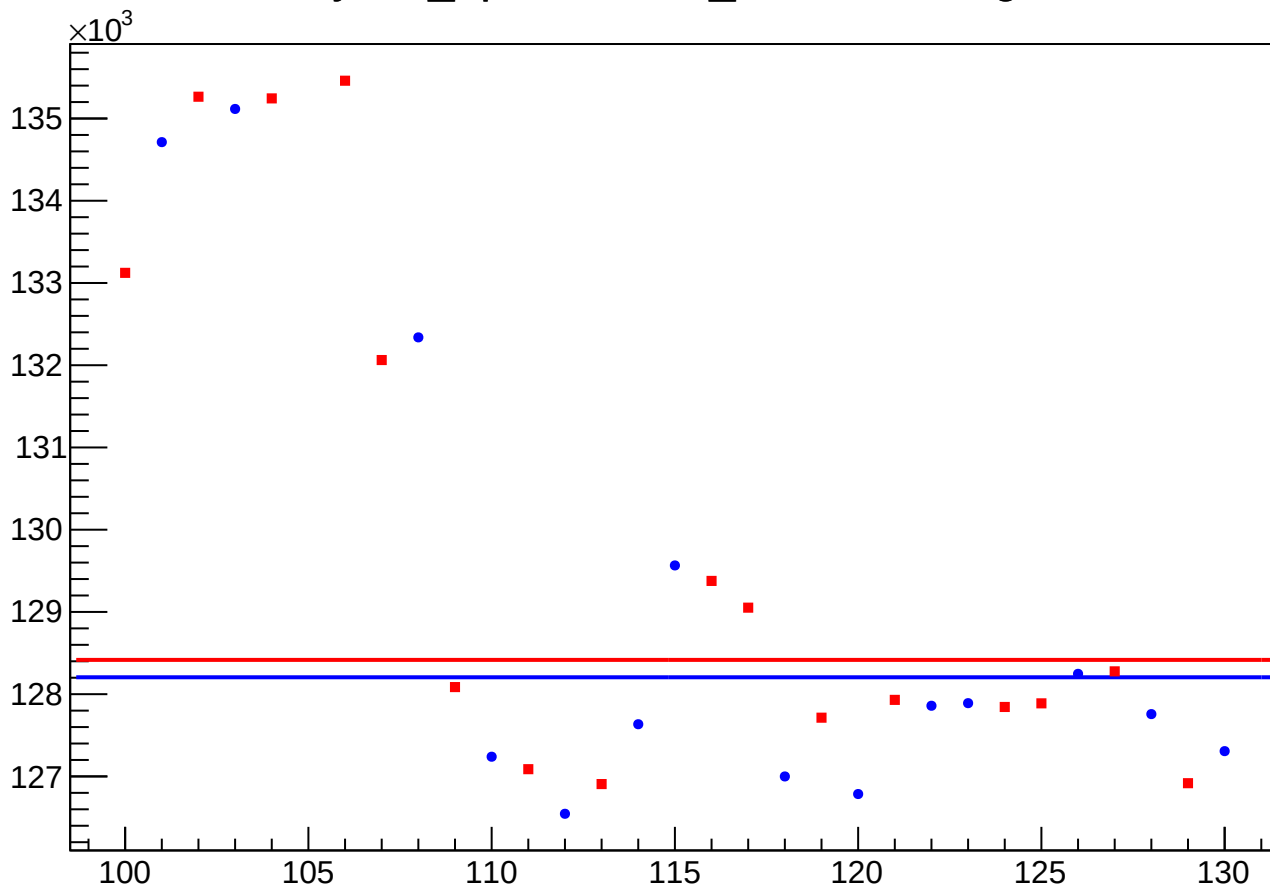
158.694 $\pm$ 0.053 χ^2 /NDF: 1148182.9/13

Right Out: 152.401 $\pm$ 0.049 χ^2 /NDF: 1270617.1/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

152.401 $\pm$ 0.049 χ^2 /NDF: 1270617.1/15

yield_bpm0l05WS_mean vs Slug



Right In: 128205.428 $\pm$ 0.077 χ^2 /NDF: 756824449.9/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

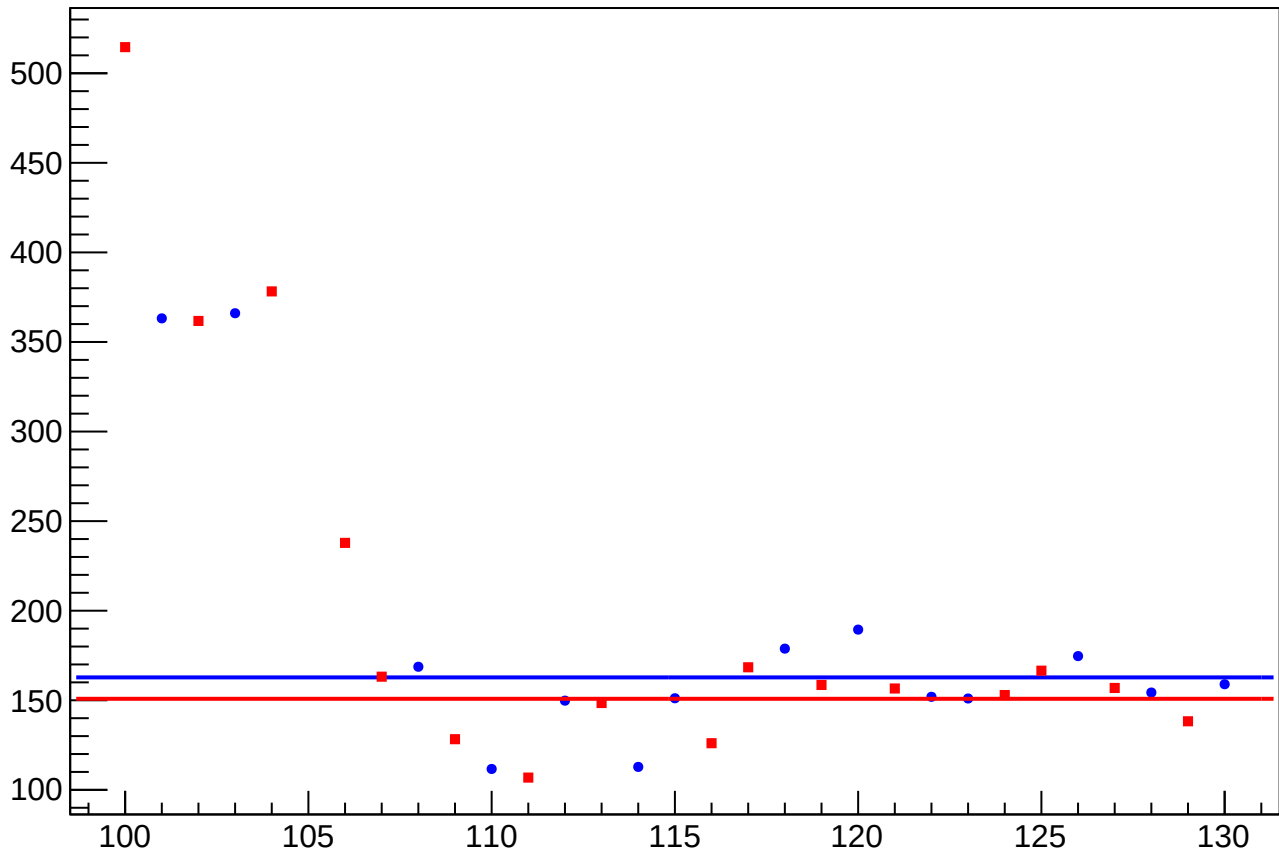
Right Out: 128416.837 $\pm$ 0.069 χ^2 /NDF: 942246774.3/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

128205.428 $\pm$ 0.077 χ^2 /NDF: 756824449.9/13

128416.837 $\pm$ 0.069 χ^2 /NDF: 942246774.3/15

yield_bpm0l05WS_rms vs Slug



Right In: 162.772 ± 0.054 $\chi^2/\text{NDF}: 920004.8/13$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

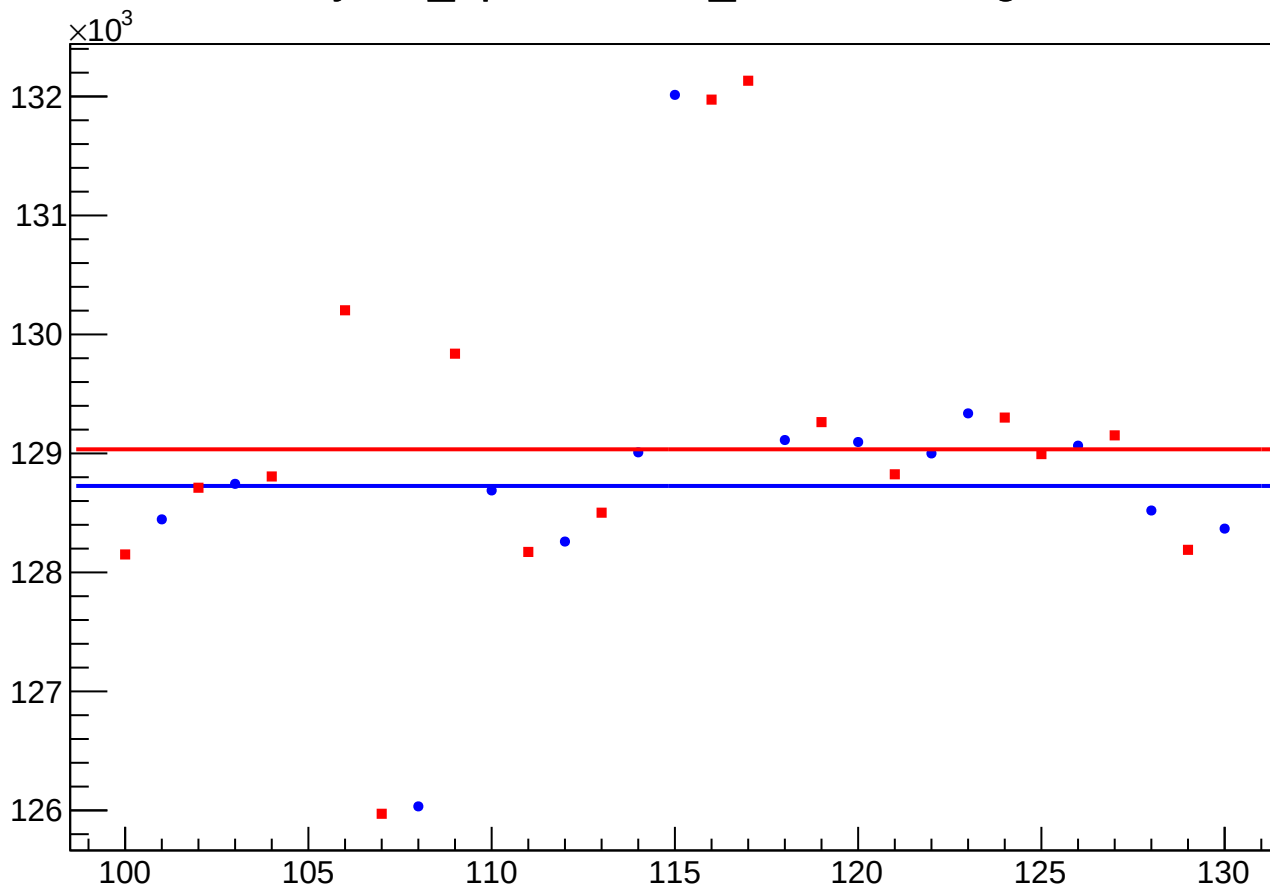
Right Out: 150.827 ± 0.049 $\chi^2/\text{NDF}: 1071015.1/15$

Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

162.772 ± 0.054 $\chi^2/\text{NDF}: 920004.8/13$

150.827 ± 0.049 $\chi^2/\text{NDF}: 1071015.1/15$

yield_bpm0l06WS_mean vs Slug



Right In: 128726.671 $\pm$ 0.067 χ^2 /NDF: 284228407.0/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

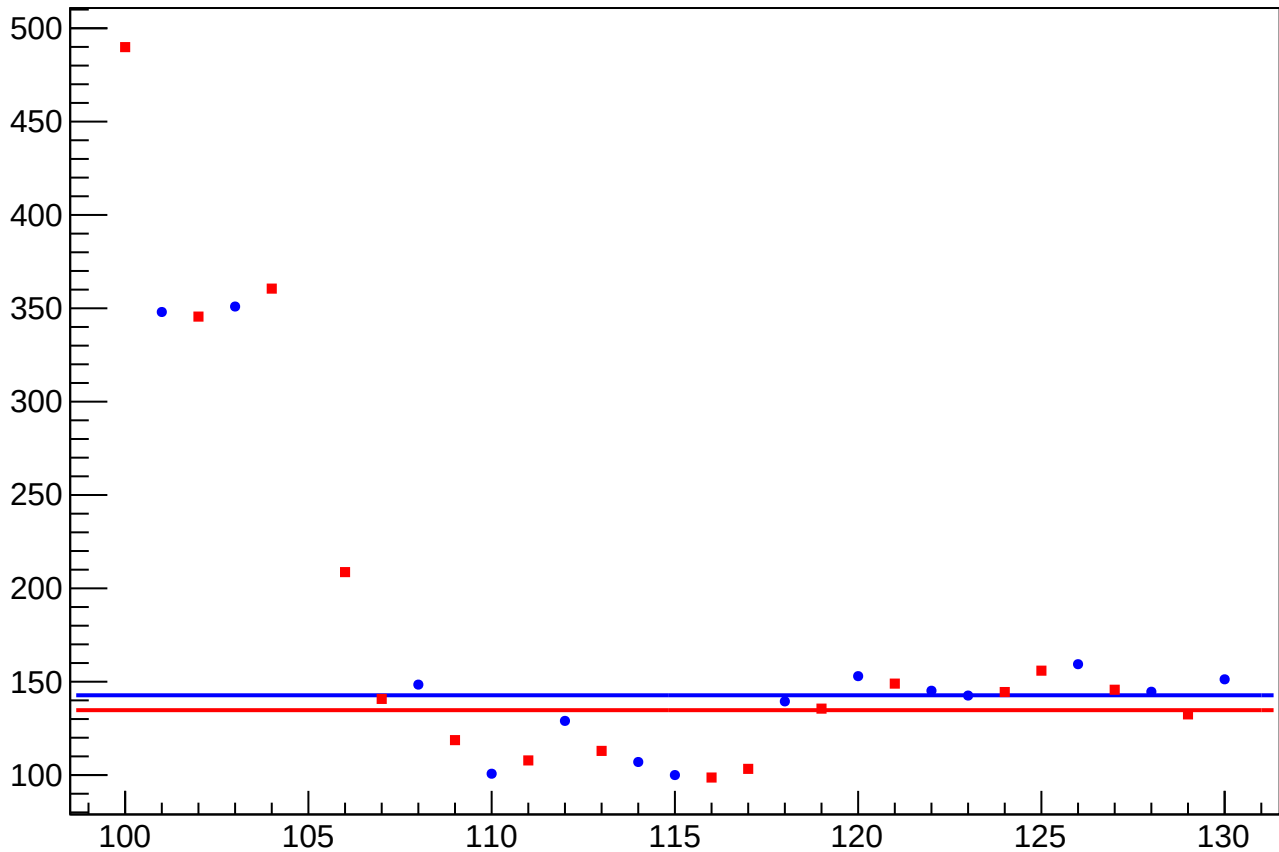
128726.671 $\pm$ 0.067 χ^2 /NDF: 284228407.0/13

Right Out: 129034.531 $\pm$ 0.061 χ^2 /NDF: 505139841.0/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

129034.531 $\pm$ 0.061 χ^2 /NDF: 505139841.0/15

yield_bpm0l06WS_rms vs Slug



Right In: 142.730 $\pm$ 0.047 χ^2 /NDF: 1020124.1/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

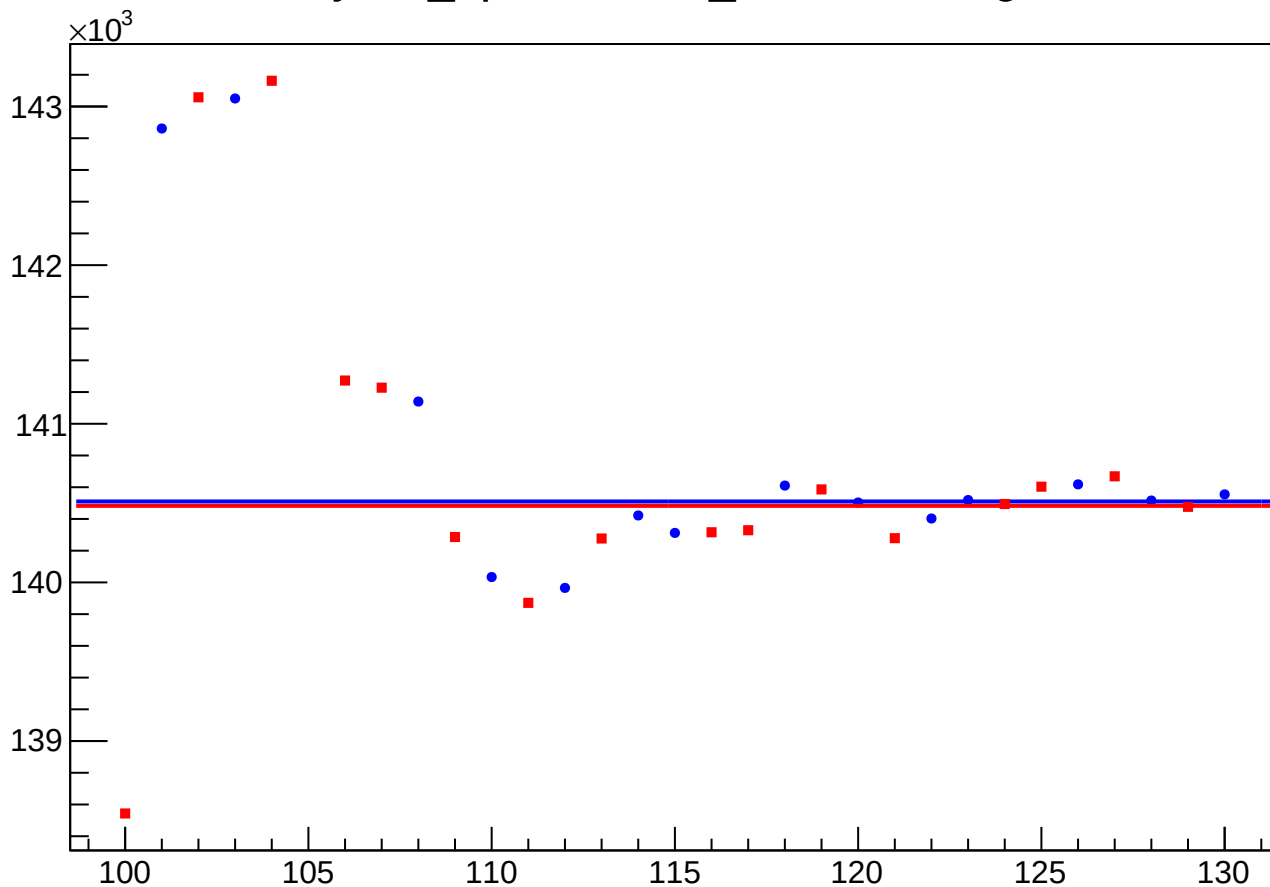
142.730 $\pm$ 0.047 χ^2 /NDF: 1020124.1/13

Right Out: 134.753 $\pm$ 0.043 χ^2 /NDF: 1129527.0/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

134.753 $\pm$ 0.043 χ^2 /NDF: 1129527.0/15

yield_bpm0l07WS_mean vs Slug



Right In: 140510.217 $\pm$ 0.072 χ^2 /NDF: 63034645.3/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

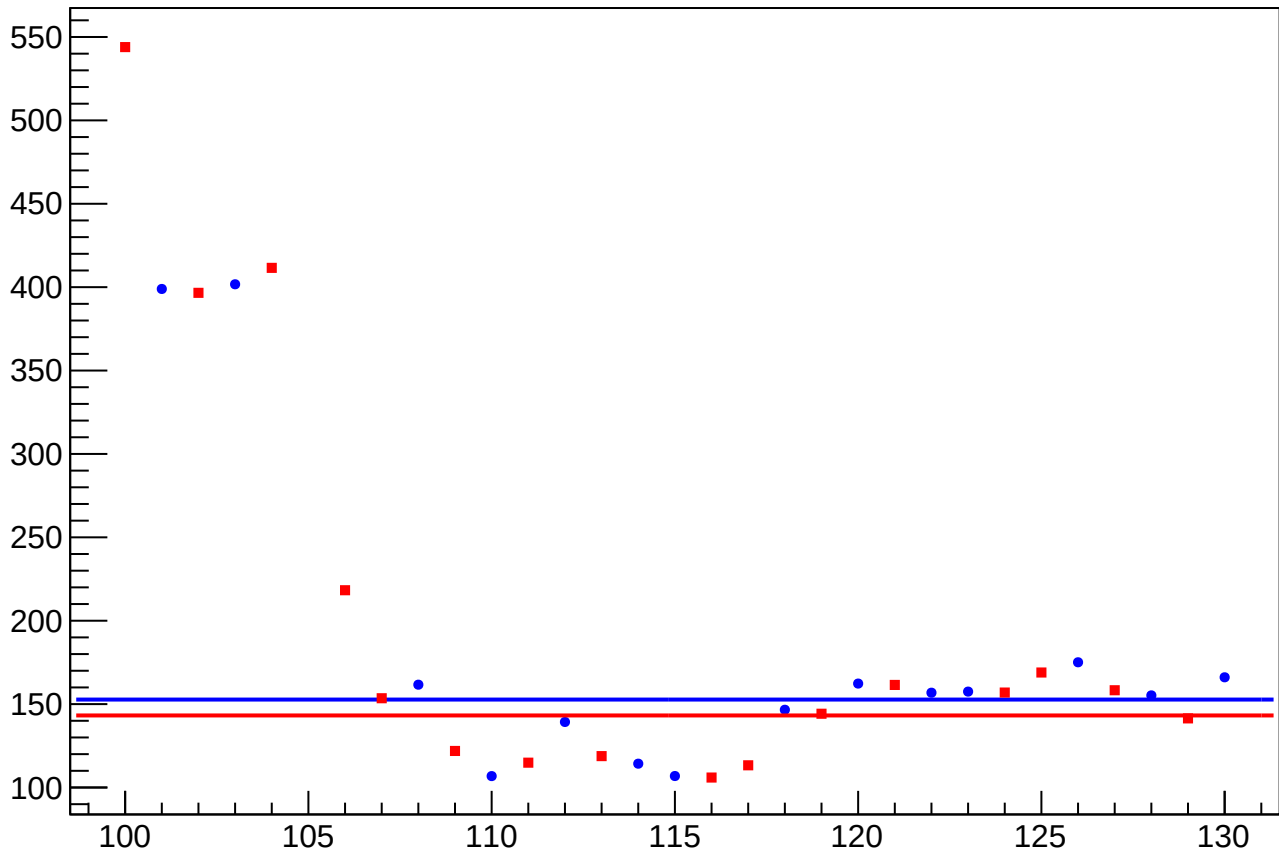
140510.217 $\pm$ 0.072 χ^2 /NDF: 63034645.3/13

Right Out: 140482.577 $\pm$ 0.065 χ^2 /NDF: 73233761.6/15

140482.577 $\pm$ 0.065 χ^2 /NDF: 73233761.6/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

yield_bpm0l07WS_rms vs Slug



Right In: 152.727 $\pm$ 0.051 χ^2 /NDF: 1114490.7/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

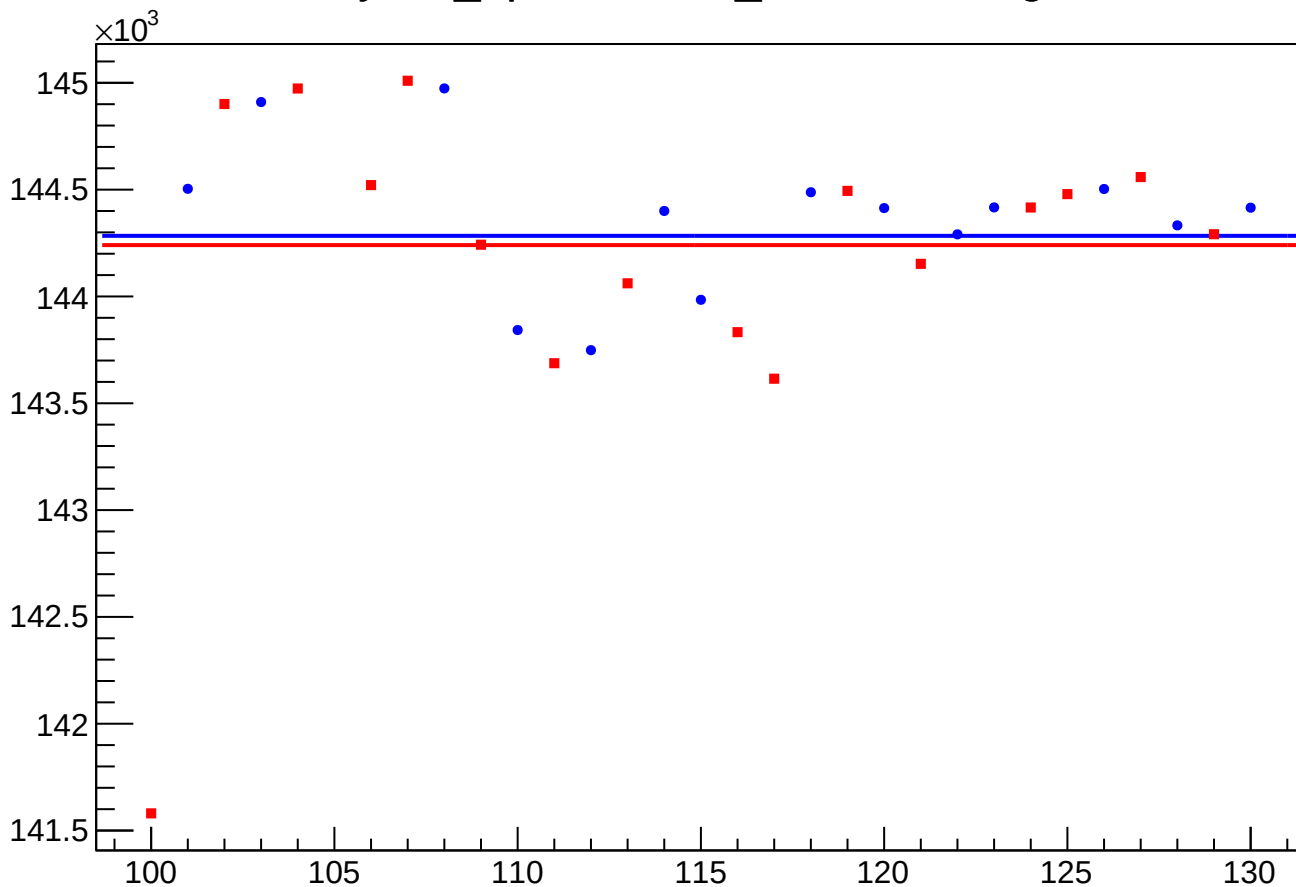
Right Out: 143.201 $\pm$ 0.046 χ^2 /NDF: 1222913.1/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

152.727 $\pm$ 0.051 χ^2 /NDF: 1114490.7/13

143.201 $\pm$ 0.046 χ^2 /NDF: 1222913.1/15

yield_bpm0l08WS_mean vs Slug



Right In: 144283.744 $\pm$ 0.074 χ^2 /NDF: 22061121.1/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

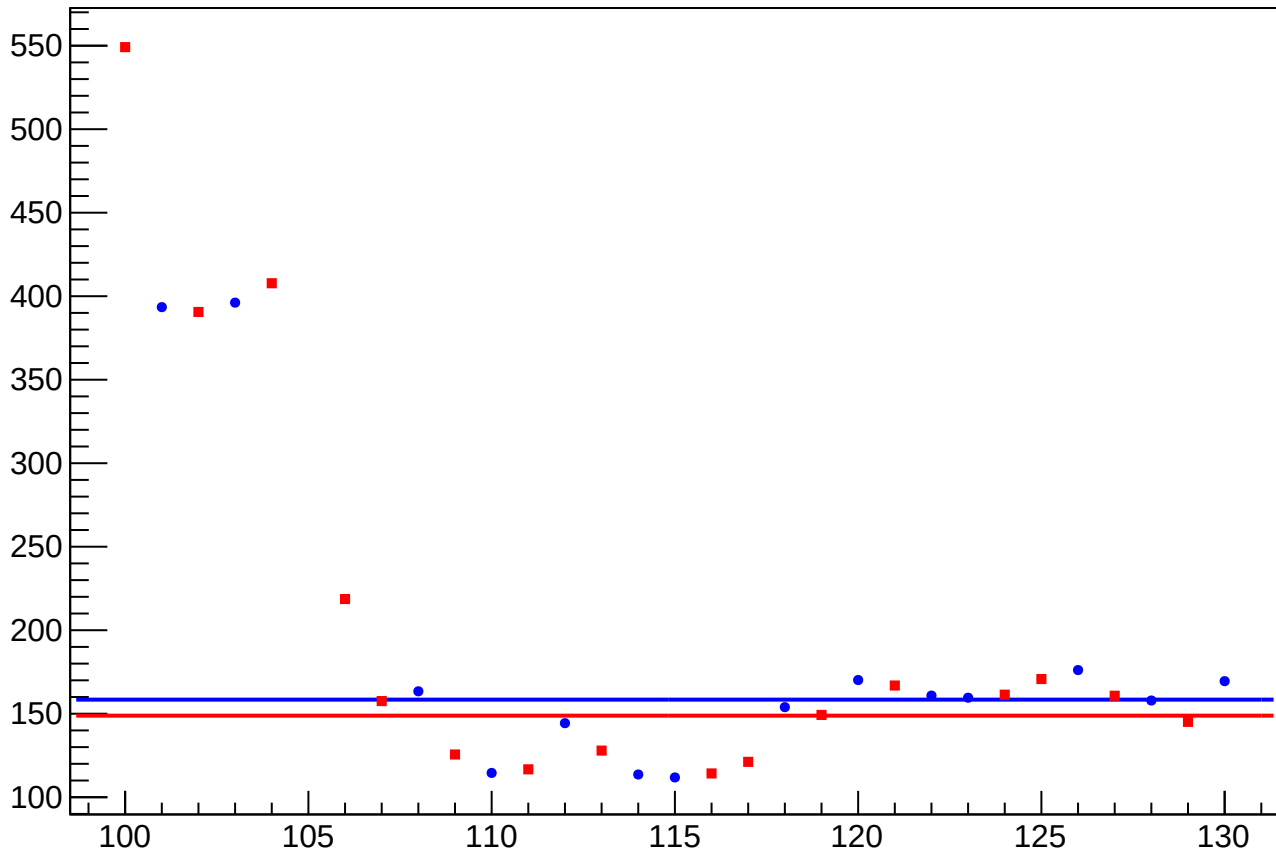
144283.744 $\pm$ 0.074 χ^2 /NDF: 22061121.1/13

Right Out: 144240.326 $\pm$ 0.067 χ^2 /NDF: 32128134.3/15

144240.326 $\pm$ 0.067 χ^2 /NDF: 32128134.3/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

yield_bpm0l08WS_rms vs Slug



Right In: 158.441 $\pm$ 0.053 χ^2 /NDF: 1030304.1/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

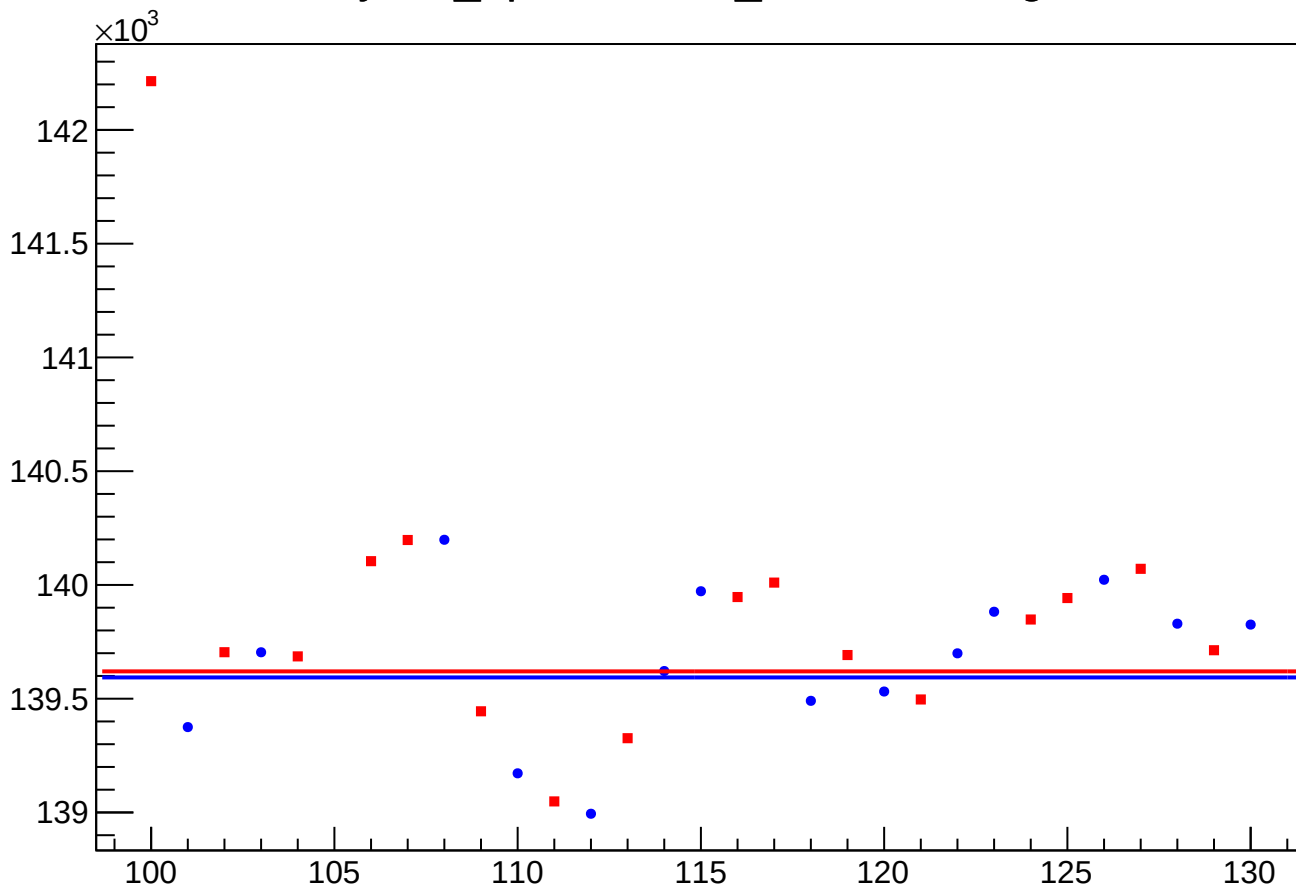
158.441 $\pm$ 0.053 χ^2 /NDF: 1030304.1/13

Right Out: 148.844 $\pm$ 0.047 χ^2 /NDF: 1140621.8/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

148.844 $\pm$ 0.047 χ^2 /NDF: 1140621.8/15

yield_bpm0l09WS_mean vs Slug



Right In: 139593.472 $\pm$ 0.076 χ^2 /NDF: 22588019.9/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

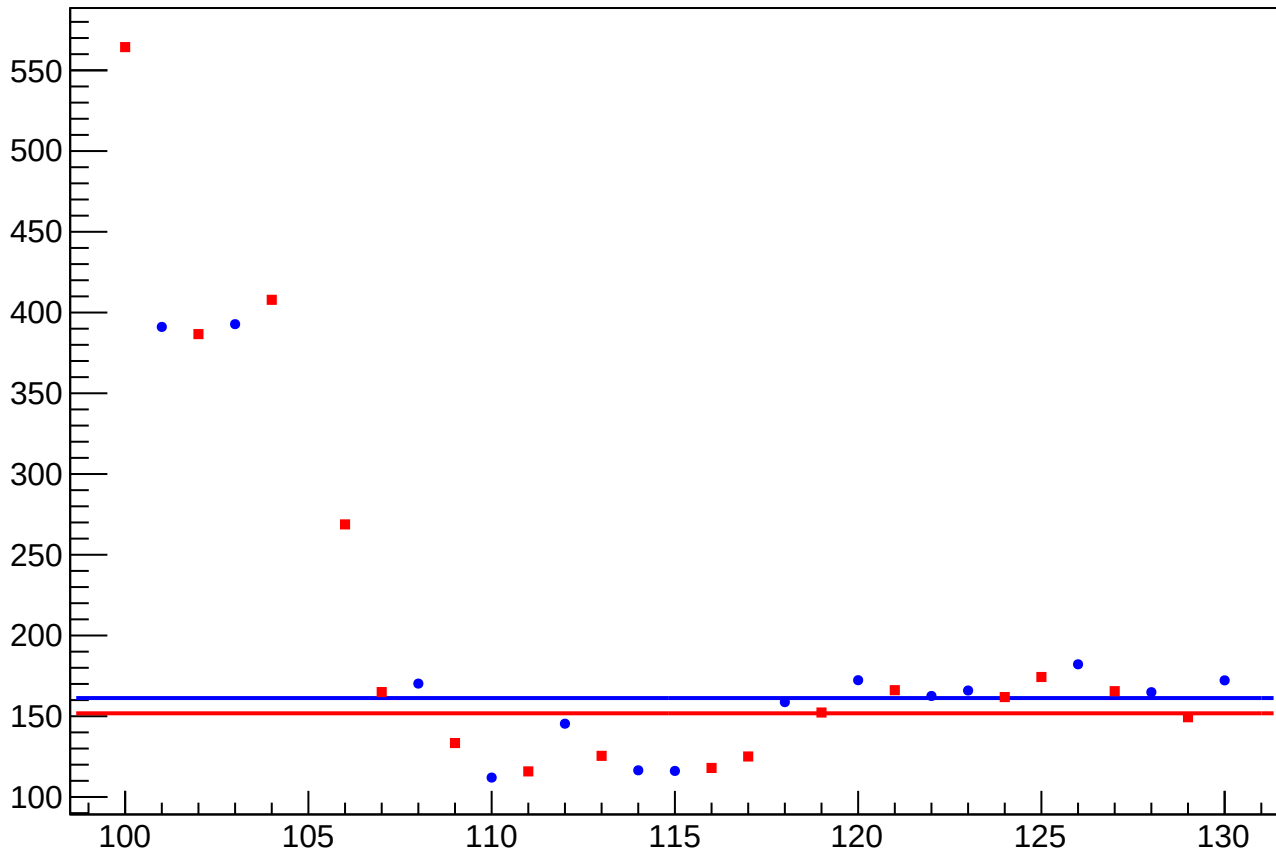
139593.472 $\pm$ 0.076 χ^2 /NDF: 22588019.9/13

Right Out: 139620.064 $\pm$ 0.068 χ^2 /NDF: 27334072.9/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

139620.064 $\pm$ 0.068 χ^2 /NDF: 27334072.9/15

yield_bpm0l09WS_rms vs Slug



Right In: 161.258+/-0.054 χ^2/NDF : 1028096.6/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

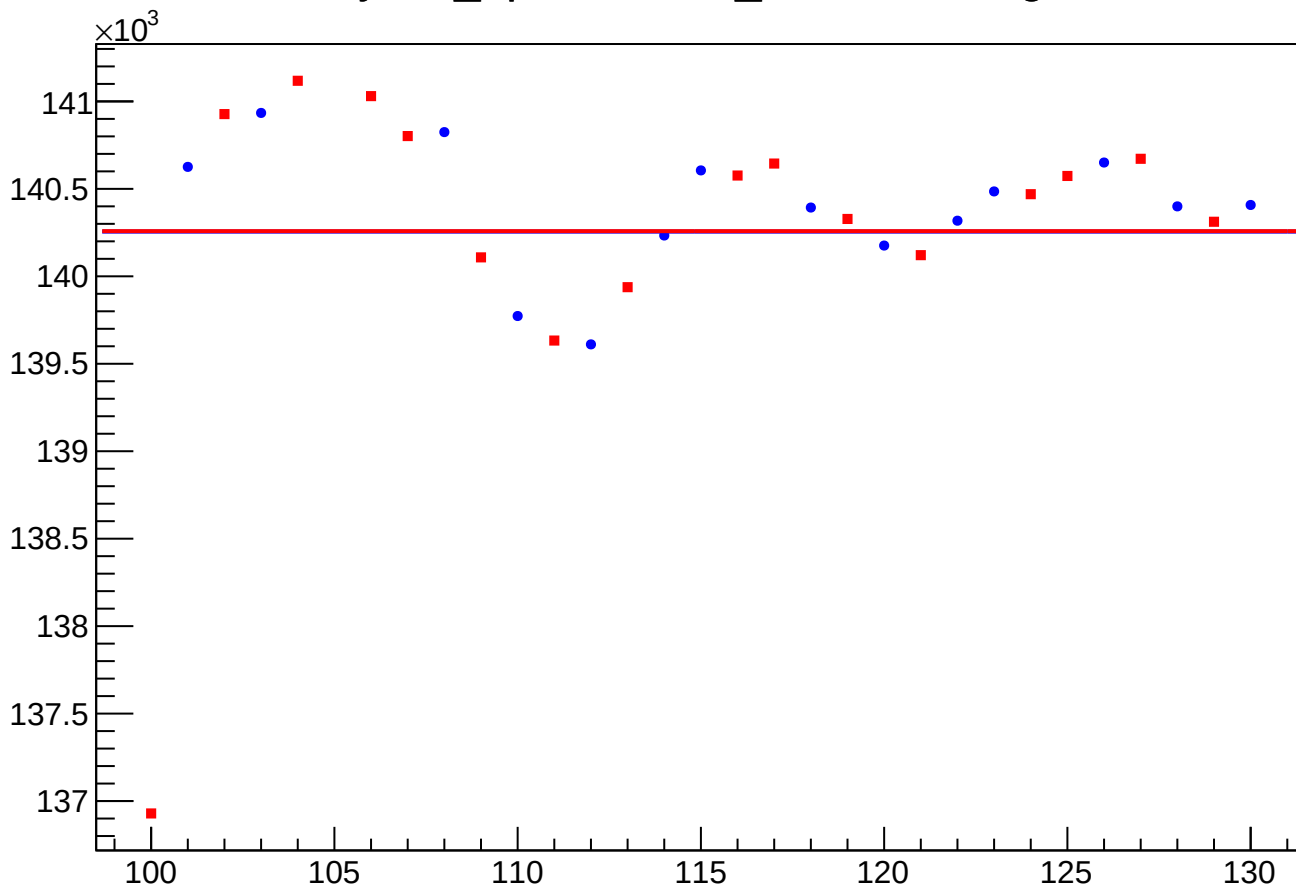
161.258+/-0.054 χ^2/NDF : 1028096.6/13

Right Out: 151.818+/-0.048 χ^2/NDF : 1174247.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

151.818+/-0.048 χ^2/NDF : 1174247.8/15

yield_bpm0l10WS_mean vs Slug



Right In: 140255.633 $\pm$ 0.076 χ^2 /NDF: 25070195.0/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

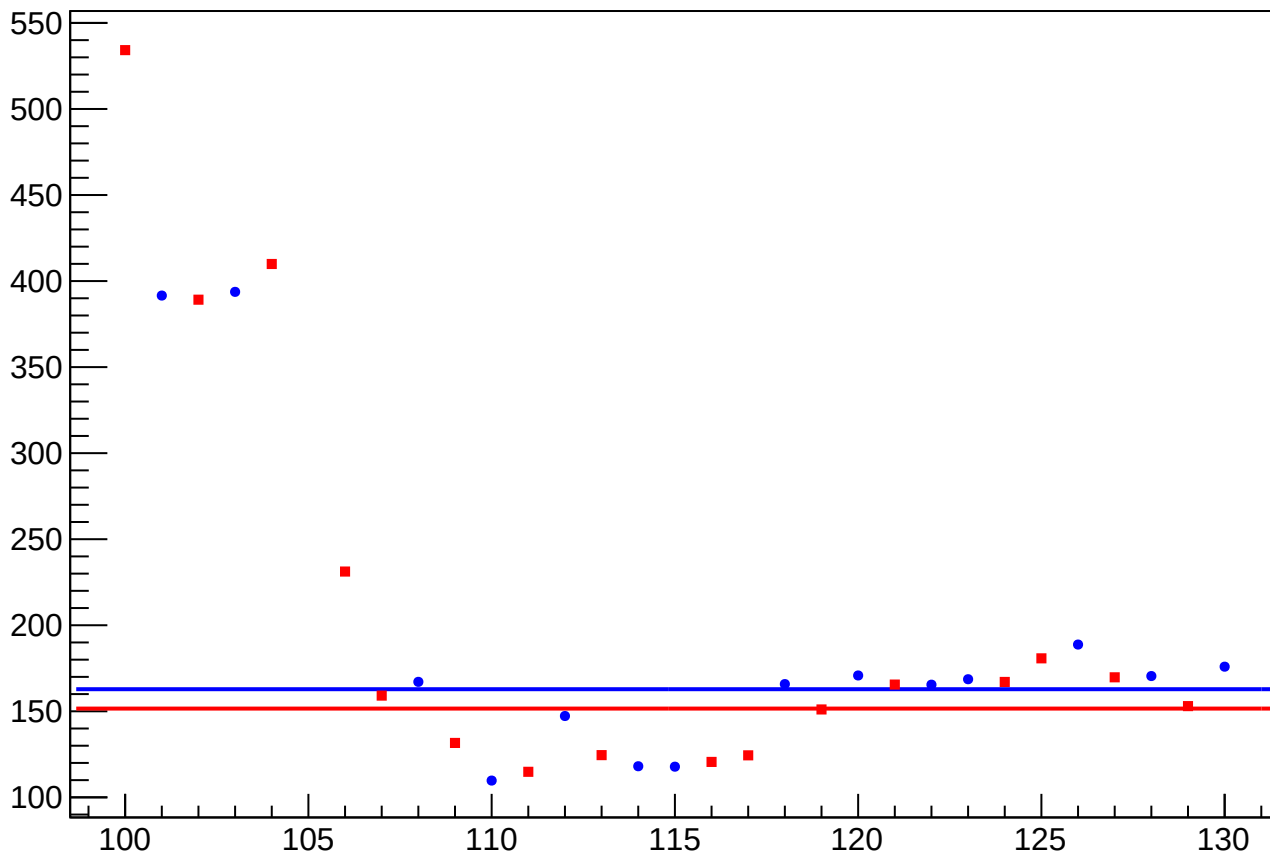
140255.633 $\pm$ 0.076 χ^2 /NDF: 25070195.0/13

Right Out: 140258.236 $\pm$ 0.068 χ^2 /NDF: 35643447.6/15

140258.236 $\pm$ 0.068 χ^2 /NDF: 35643447.6/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

yield_bpm0l10WS_rms vs Slug



Right In: 162.839 $\pm$ 0.054 χ^2 /NDF: 1049007.8/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

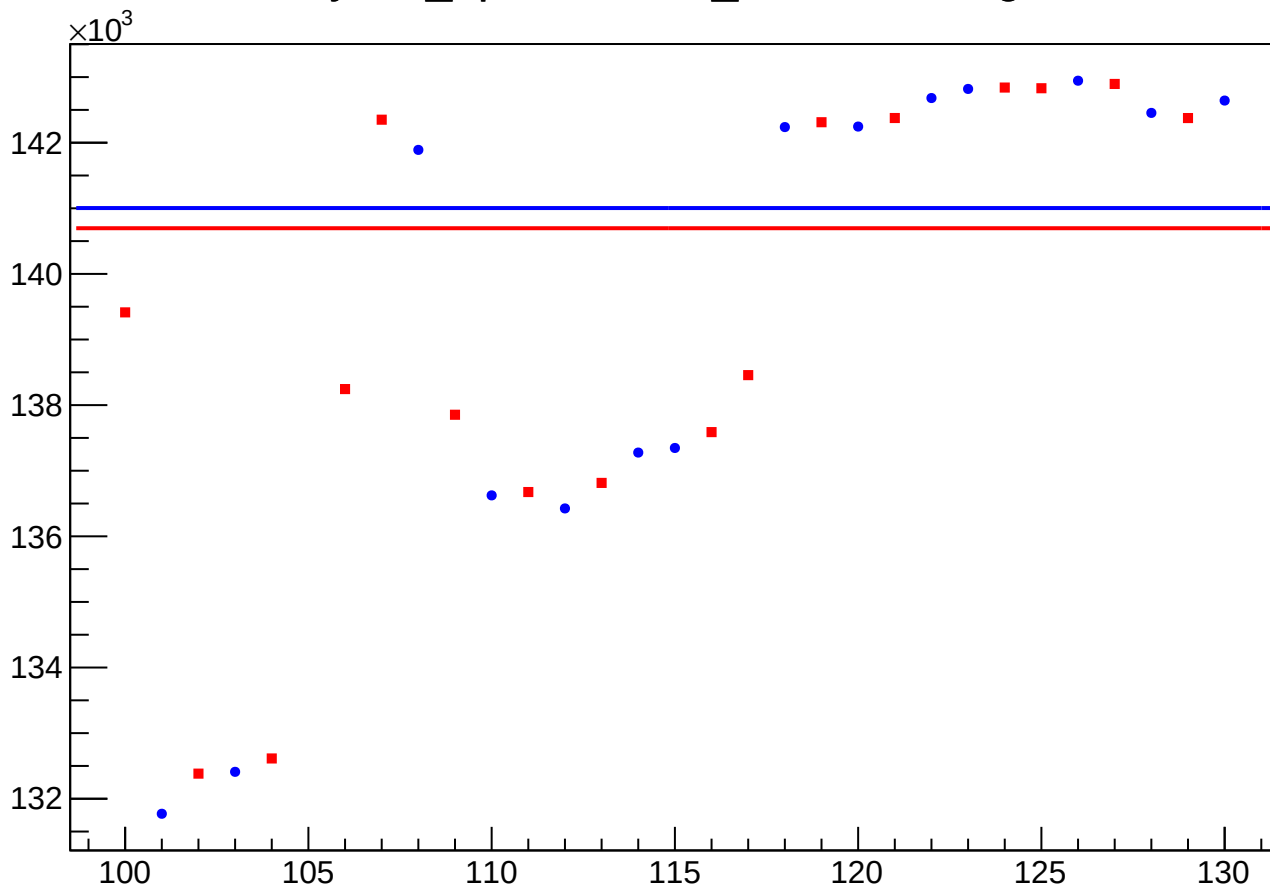
Right Out: 151.579 $\pm$ 0.048 χ^2 /NDF: 1149800.8/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

162.839 $\pm$ 0.054 χ^2 /NDF: 1049007.8/13

151.579 $\pm$ 0.048 χ^2 /NDF: 1149800.8/15

yield_bpm0r03WS_mean vs Slug



Right In: 141003.868 $\pm$ 0.112 χ^2 /NDF: 747567476.3/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

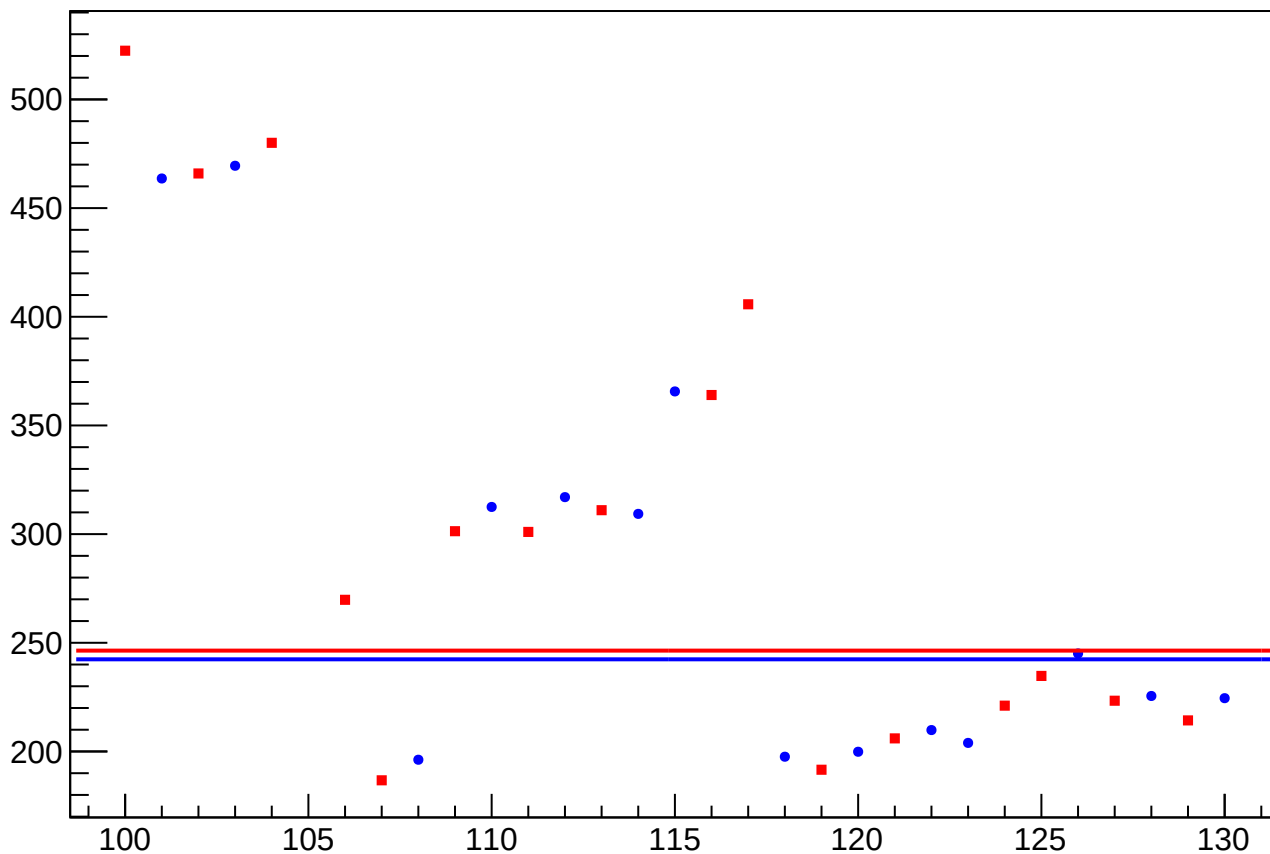
Right Out: 140696.411 $\pm$ 0.109 χ^2 /NDF: 732776129.3/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

141003.868 $\pm$ 0.112 χ^2 /NDF: 747567476.3/13

140696.411 $\pm$ 0.109 χ^2 /NDF: 732776129.3/15

yield_bpm0r03WS_rms vs Slug



Right In: 242.394 $\pm$ 0.079 χ^2 /NDF: 809248.9/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

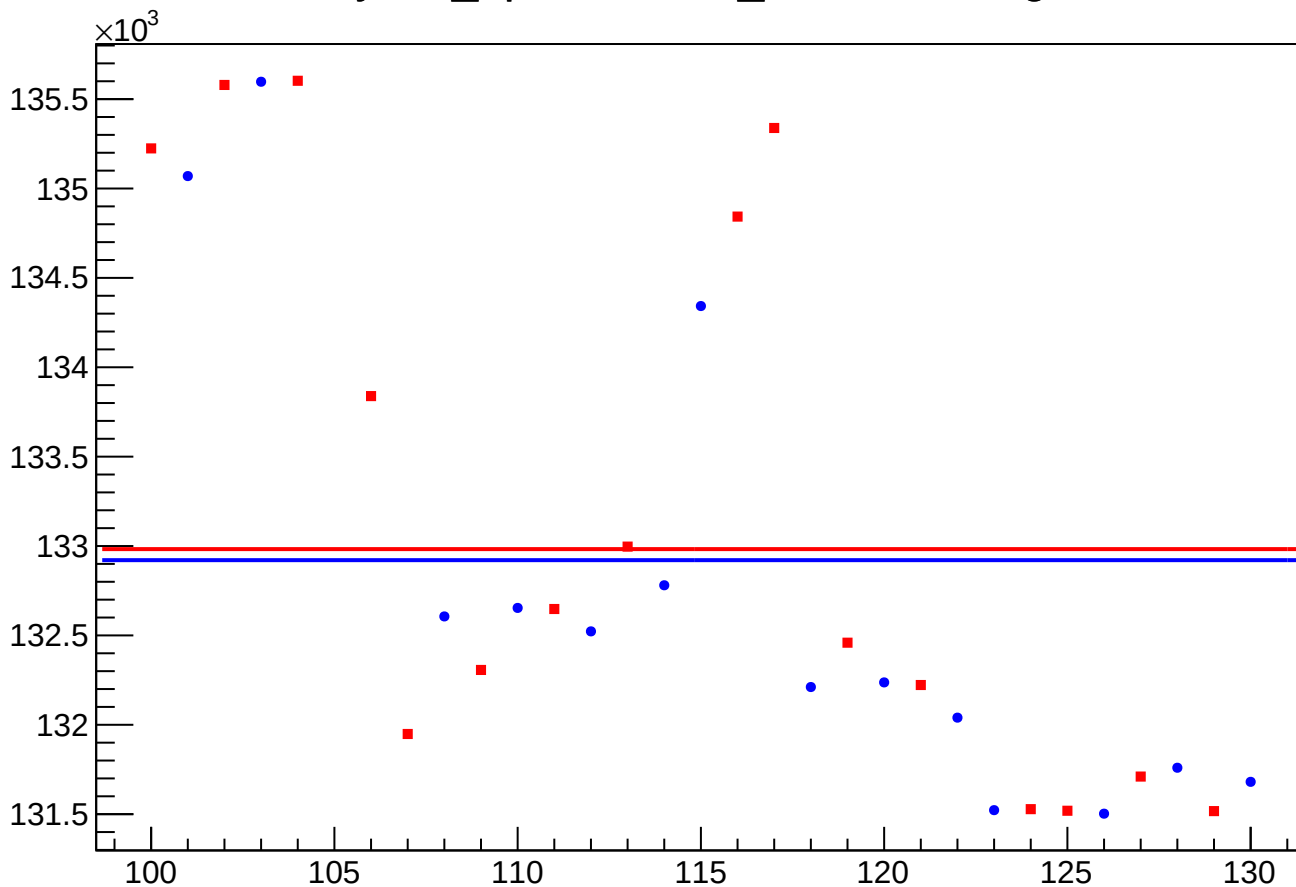
Right Out: 246.402 $\pm$ 0.077 χ^2 /NDF: 887098.5/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

242.394 $\pm$ 0.079 χ^2 /NDF: 809248.9/13

246.402 $\pm$ 0.077 χ^2 /NDF: 887098.5/15

yield_bpm0r05WS_mean vs Slug



Right In: 132920.956 $\pm$ 0.133 χ^2 /NDF: 74610062.6/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

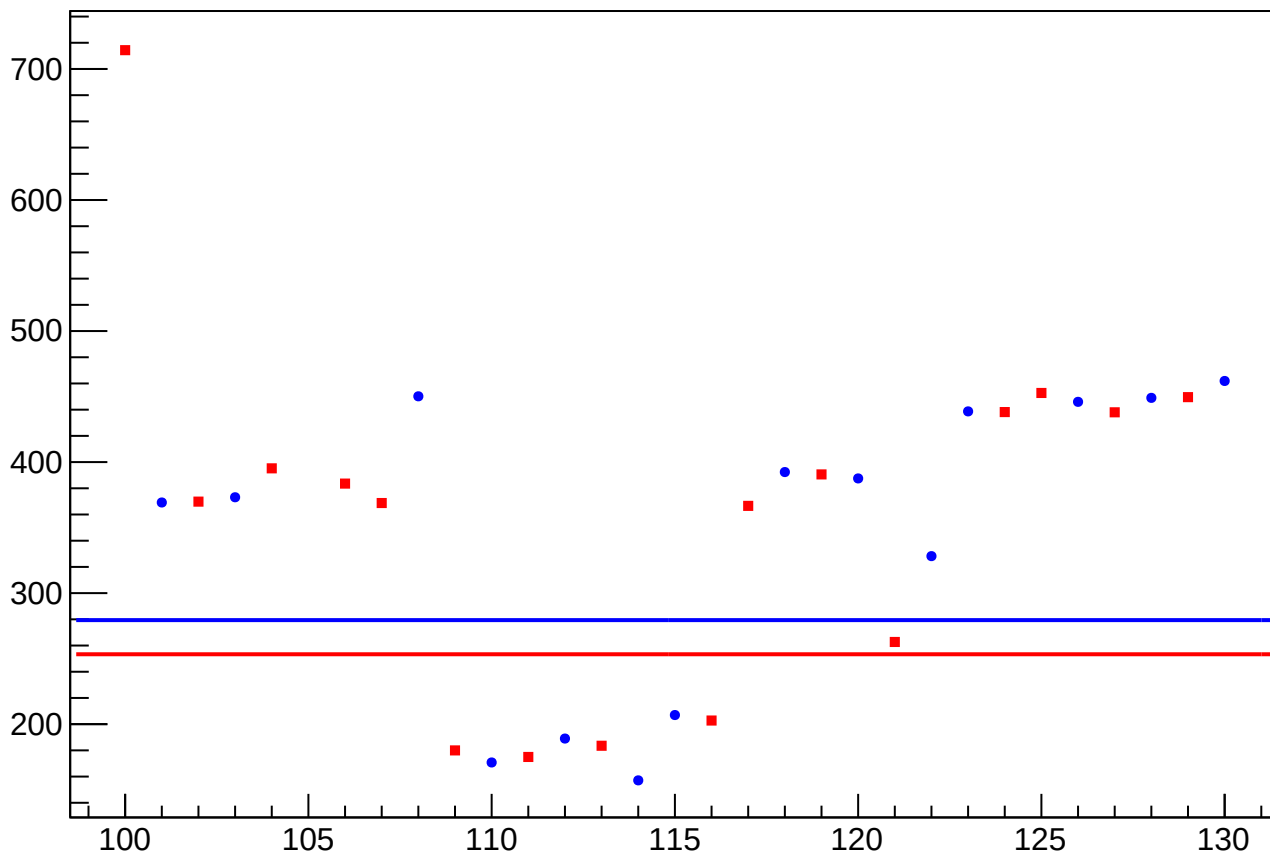
132920.956 $\pm$ 0.133 χ^2 /NDF: 74610062.6/13

Right Out: 132982.787 $\pm$ 0.117 χ^2 /NDF: 99823281.4/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

132982.787 $\pm$ 0.117 χ^2 /NDF: 99823281.4/15

yield_bpm0r05WS_rms vs Slug



Right In: 279.400+/-0.094 χ^2/NDF : 1432707.6/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

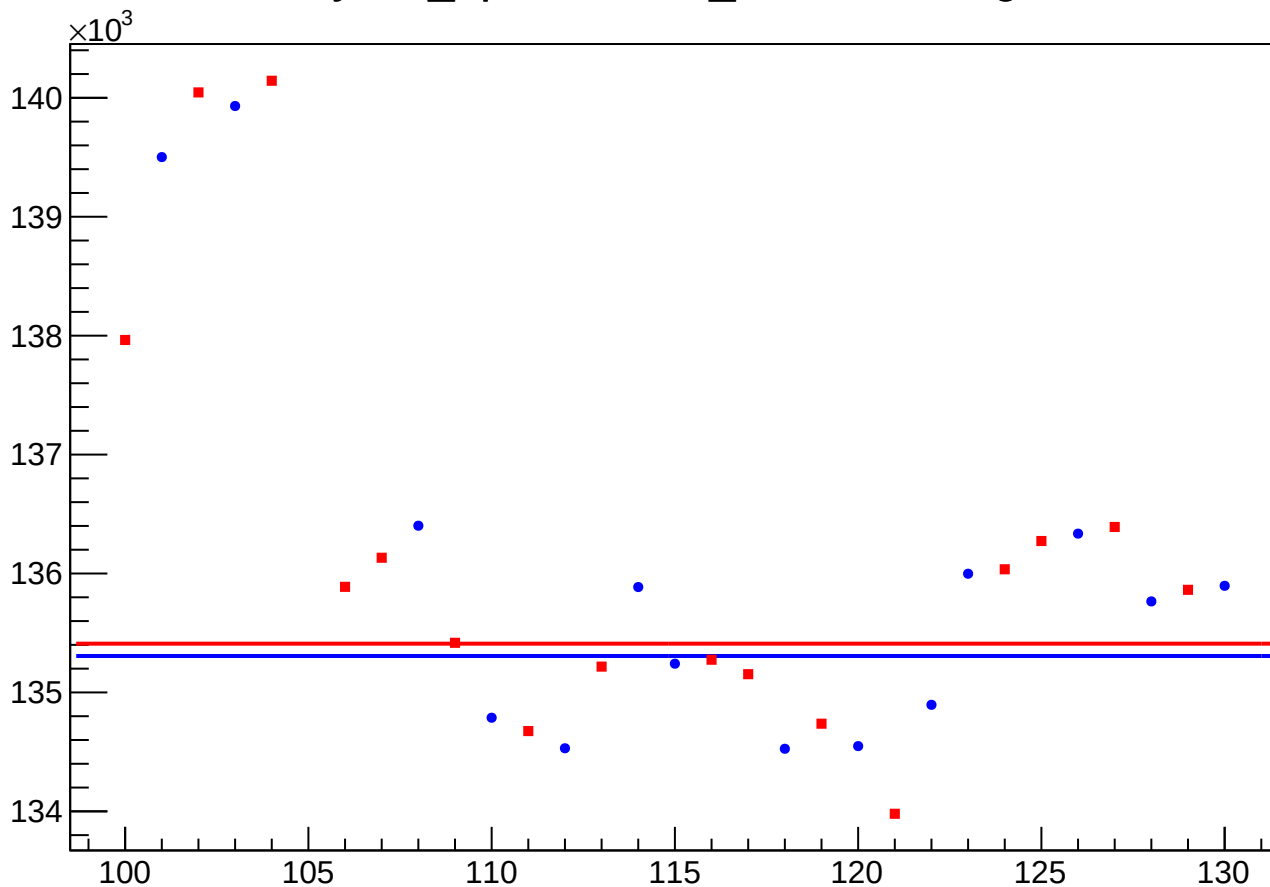
Right Out: 253.342+/-0.083 χ^2/NDF : 1510469.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

279.400+/-0.094 χ^2/NDF : 1432707.6/13

253.342+/-0.083 χ^2/NDF : 1510469.2/15

yield_bpm0i02WS_mean vs Slug



Right In: 135306.411 $\pm$ 0.060 χ^2 /NDF: 295466505.3/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

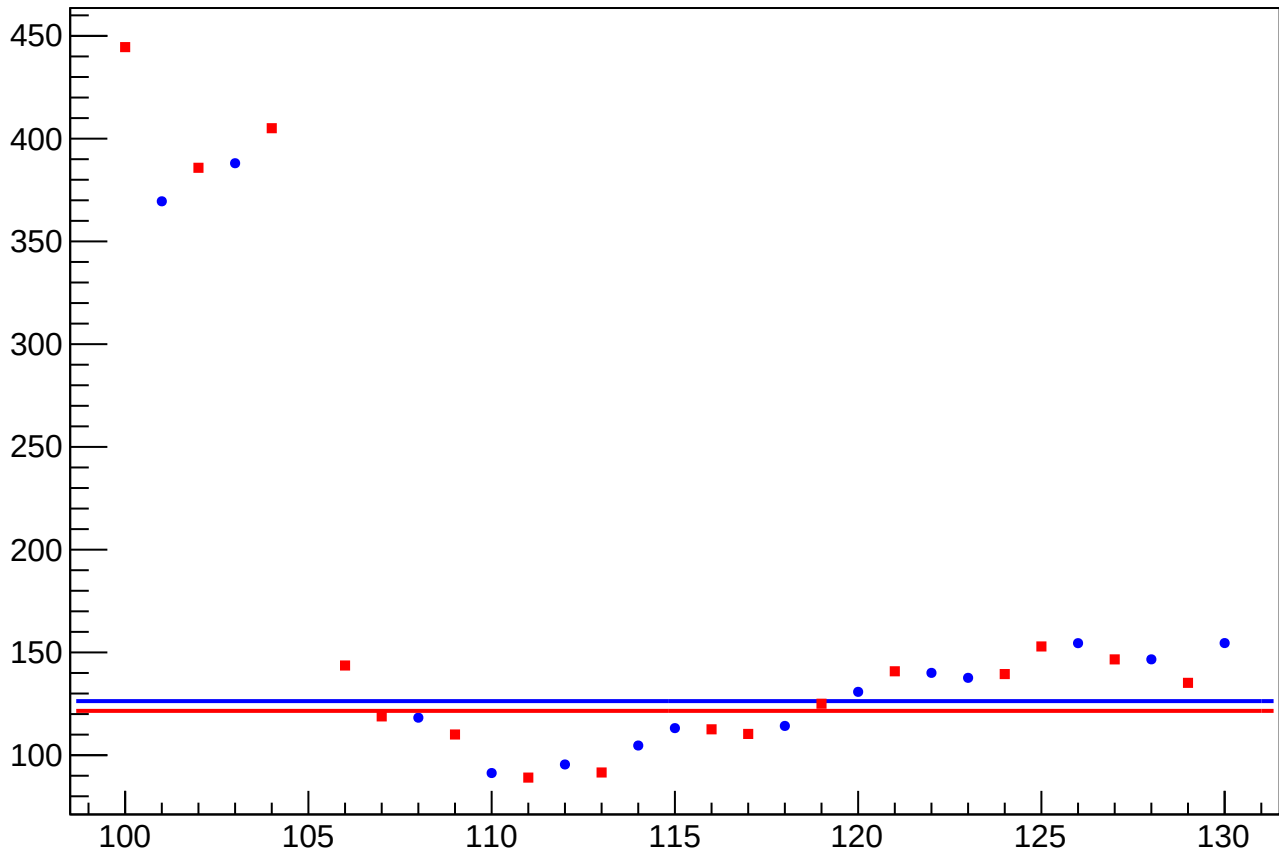
135306.411 $\pm$ 0.060 χ^2 /NDF: 295466505.3/13

Right Out: 135410.041 $\pm$ 0.056 χ^2 /NDF: 284765063.7/15

135410.041 $\pm$ 0.056 χ^2 /NDF: 284765063.7/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

yield_bpm0i02WS_rms vs Slug



Right In: 126.311+/-0.043 χ^2/NDF : 1318345.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

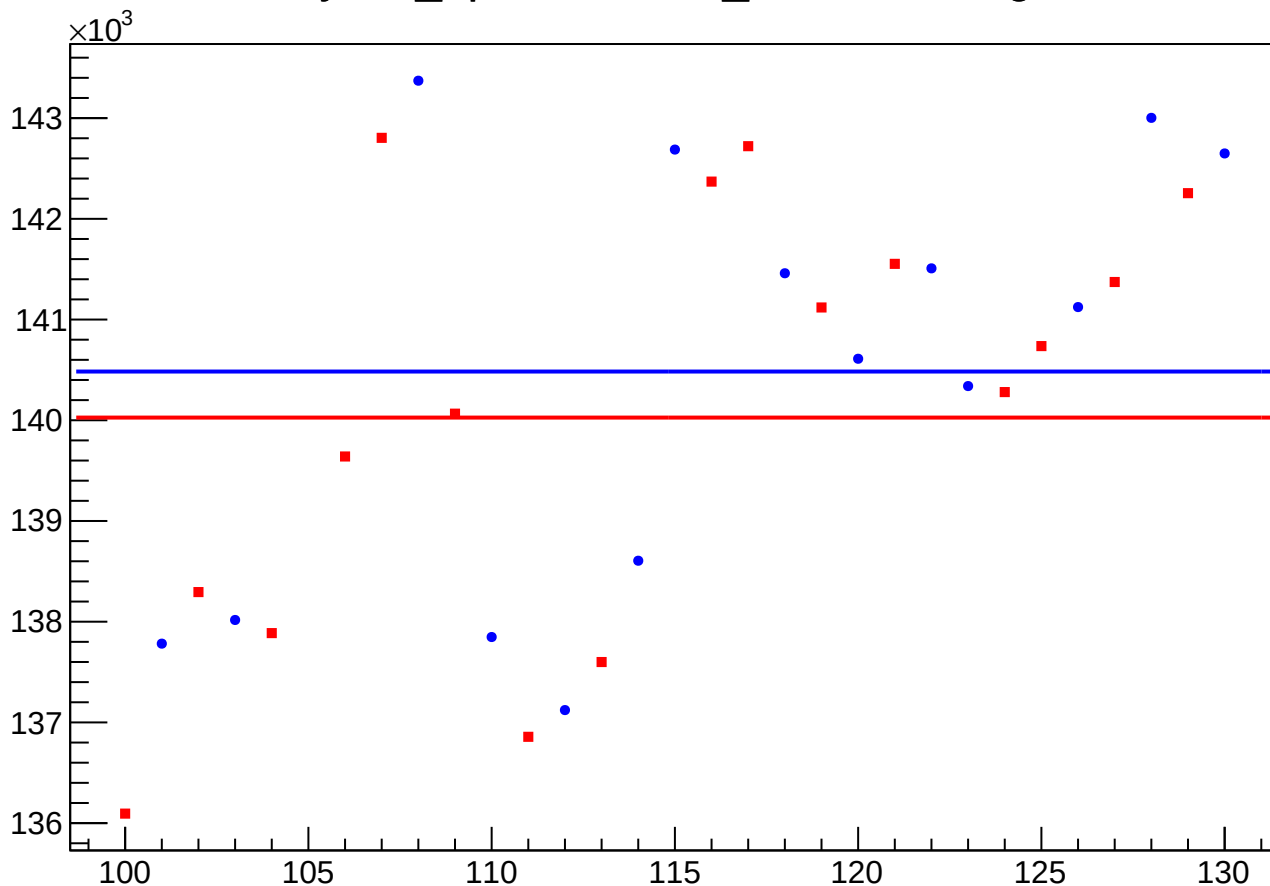
126.311+/-0.043 χ^2/NDF : 1318345.9/13

Right Out: 121.557+/-0.039 χ^2/NDF : 1374429.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

121.557+/-0.039 χ^2/NDF : 1374429.7/15

yield_bpm0i02aWS_mean vs Slug



Right In: 140483.831 $\pm$ 0.069 χ^2 /NDF: 1003404349.3/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

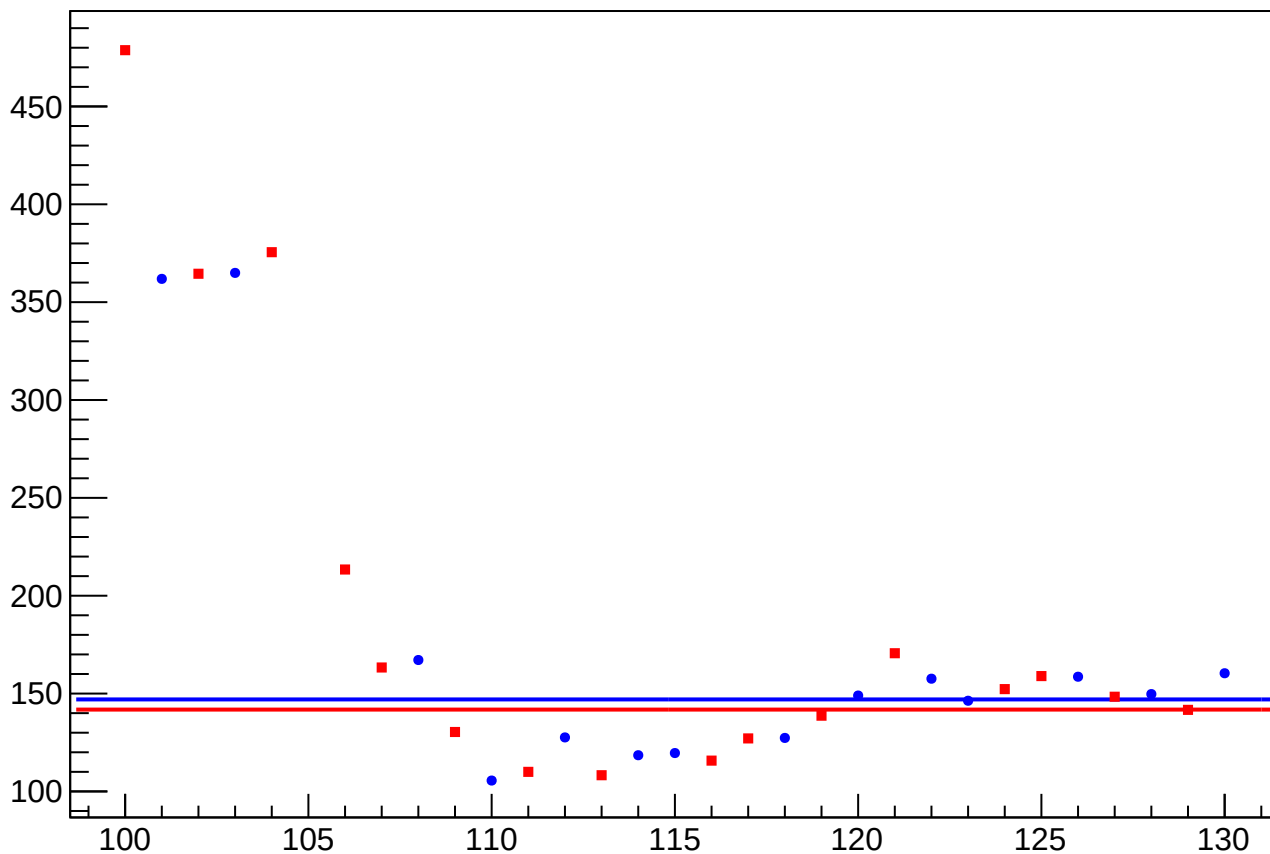
140483.831 $\pm$ 0.069 χ^2 /NDF: 1003404349.3/13

Right Out: 140026.678 $\pm$ 0.064 χ^2 /NDF: 1014848906.3/15

140026.678 $\pm$ 0.064 χ^2 /NDF: 1014848906.3/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

yield_bpm0i02aWS_rms vs Slug



Right In: 147.009 $\pm$ 0.049 χ^2 /NDF: 1016214.3/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

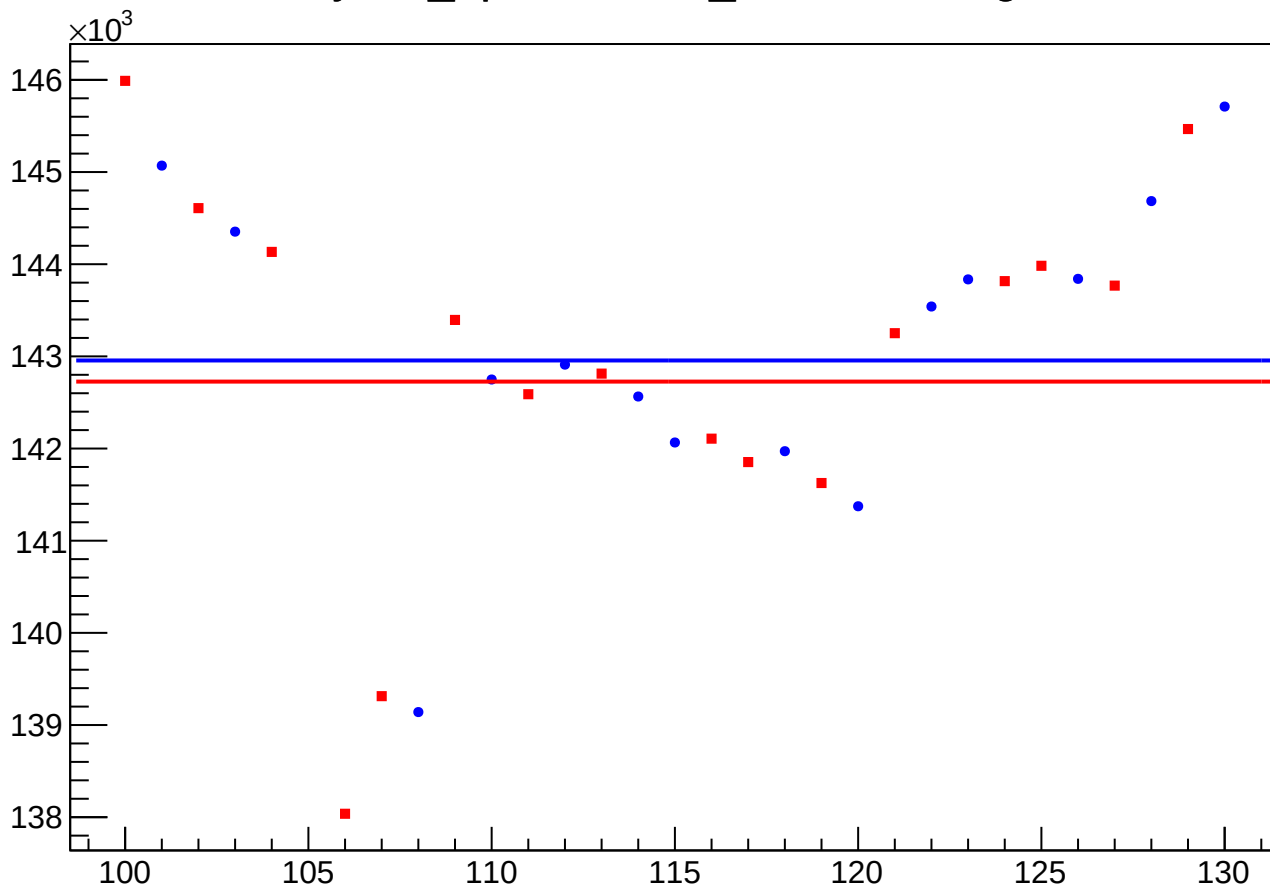
Right Out: 141.816 $\pm$ 0.045 χ^2 /NDF: 1135983.4/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

147.009 $\pm$ 0.049 χ^2 /NDF: 1016214.3/13

141.816 $\pm$ 0.045 χ^2 /NDF: 1135983.4/15

yield_bpm0i05WS_mean vs Slug



Right In: 142955.529 $\pm$ 0.073 χ^2 /NDF: 553752848.5/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

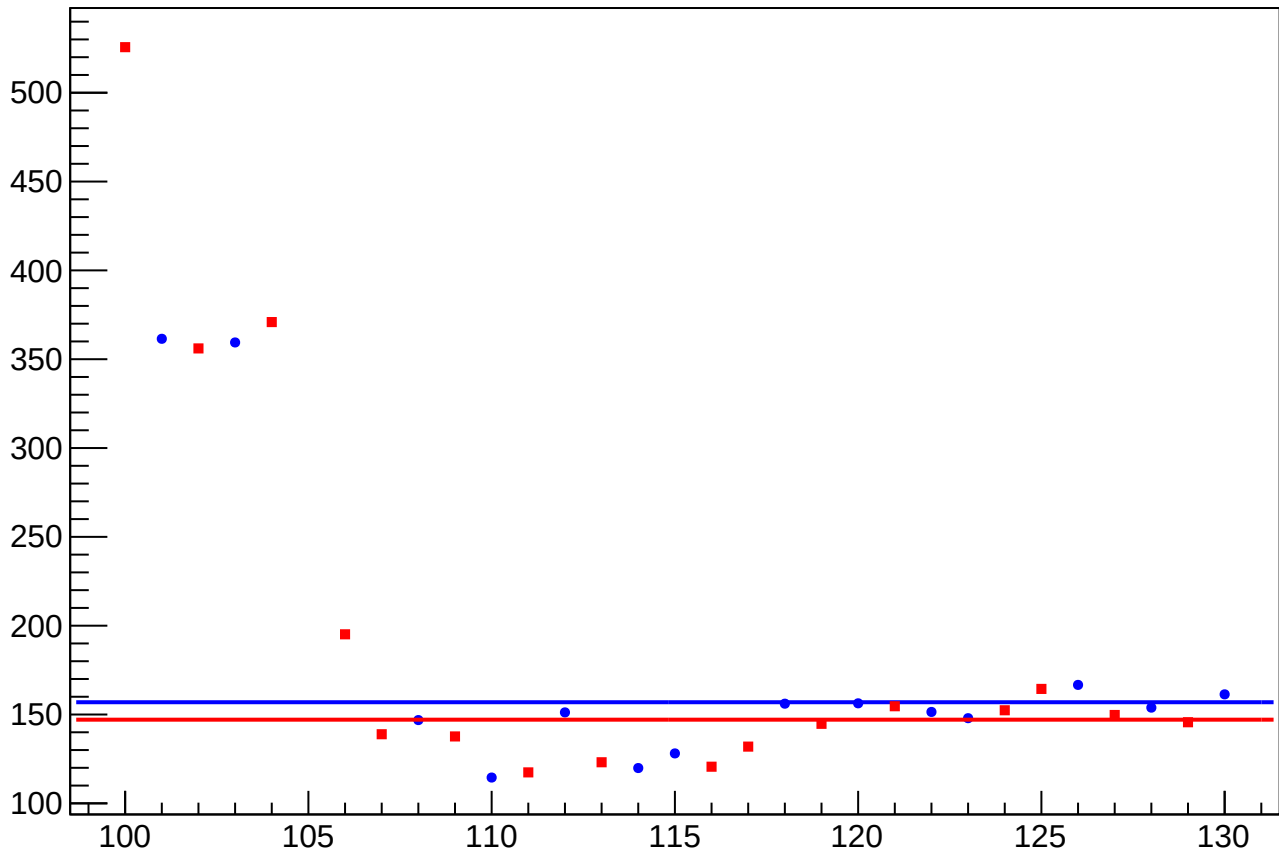
142955.529 $\pm$ 0.073 χ^2 /NDF: 553752848.5/13

Right Out: 142726.337 $\pm$ 0.066 χ^2 /NDF: 612946240.8/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

142726.337 $\pm$ 0.066 χ^2 /NDF: 612946240.8/15

yield_bpm0i05WS_rms vs Slug



Right In: 156.914 ± 0.052 $\chi^2/\text{NDF}: 867306.8/13$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

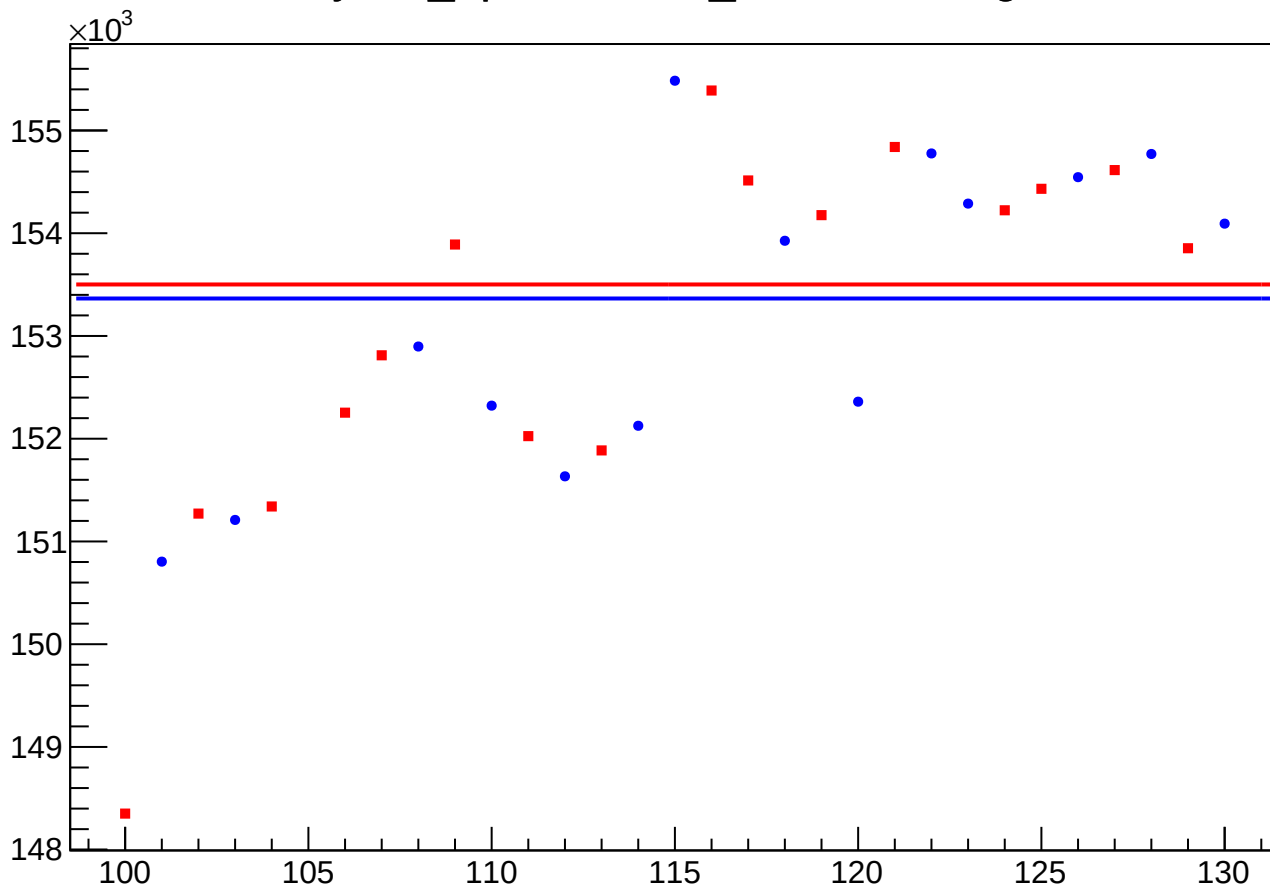
Right Out: 147.096 ± 0.047 $\chi^2/\text{NDF}: 960488.9/15$

Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

156.914 ± 0.052 $\chi^2/\text{NDF}: 867306.8/13$

147.096 ± 0.047 $\chi^2/\text{NDF}: 960488.9/15$

yield_bpm0i07WS_mean vs Slug



Right In: 153364.637 $\pm$ 0.084 χ^2 /NDF: 236896843.4/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

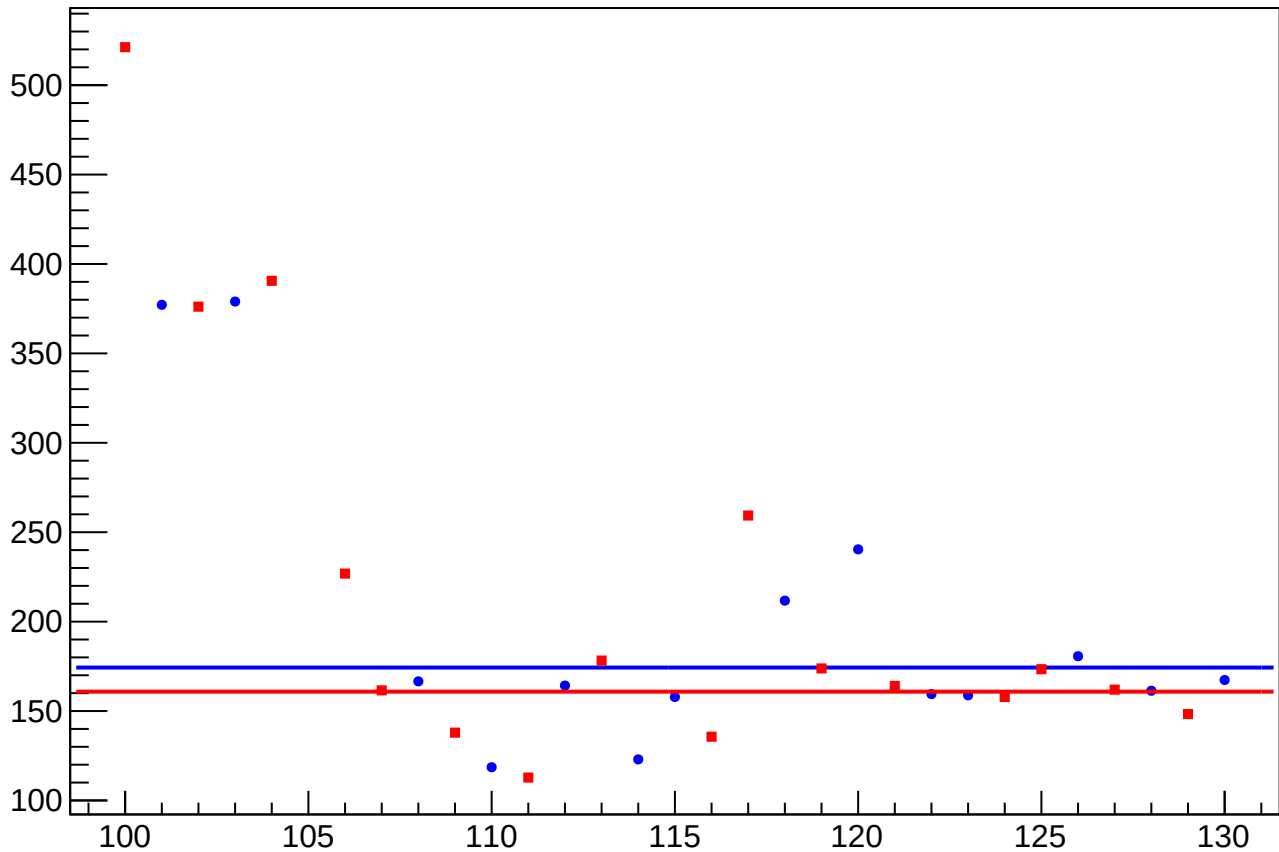
153364.637 $\pm$ 0.084 χ^2 /NDF: 236896843.4/13

Right Out: 153501.215 $\pm$ 0.074 χ^2 /NDF: 261971292.6/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

153501.215 $\pm$ 0.074 χ^2 /NDF: 261971292.6/15

yield_bpm0i07WS_rms vs Slug



Right In: 174.319+/-0.059 χ^2/NDF : 931152.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

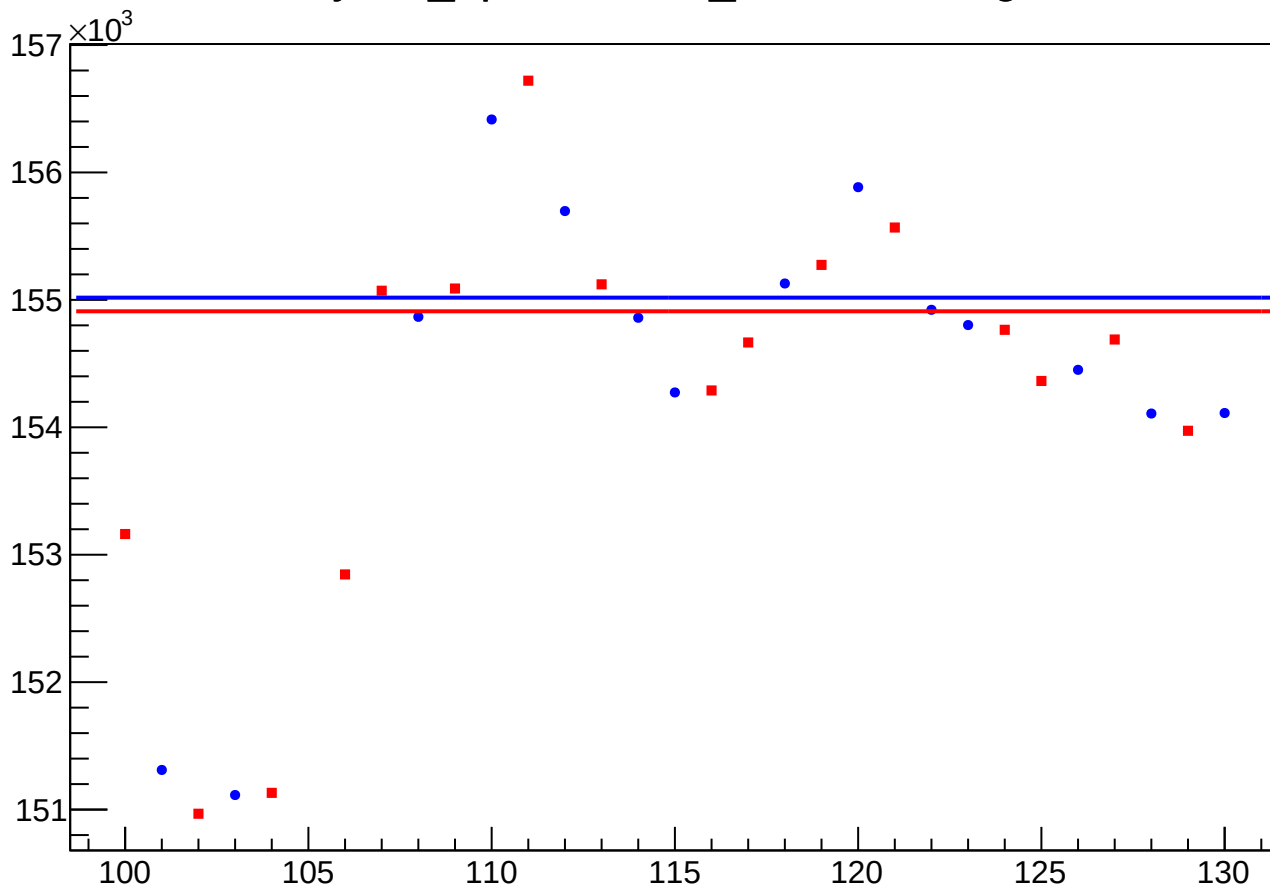
174.319+/-0.059 χ^2/NDF : 931152.0/13

Right Out: 160.848+/-0.052 χ^2/NDF : 1025709.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

160.848+/-0.052 χ^2/NDF : 1025709.6/15

yield_bpm1i02WS_mean vs Slug



Right In: 155017.527 $\pm$ 0.073 χ^2 /NDF: 205102073.5/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

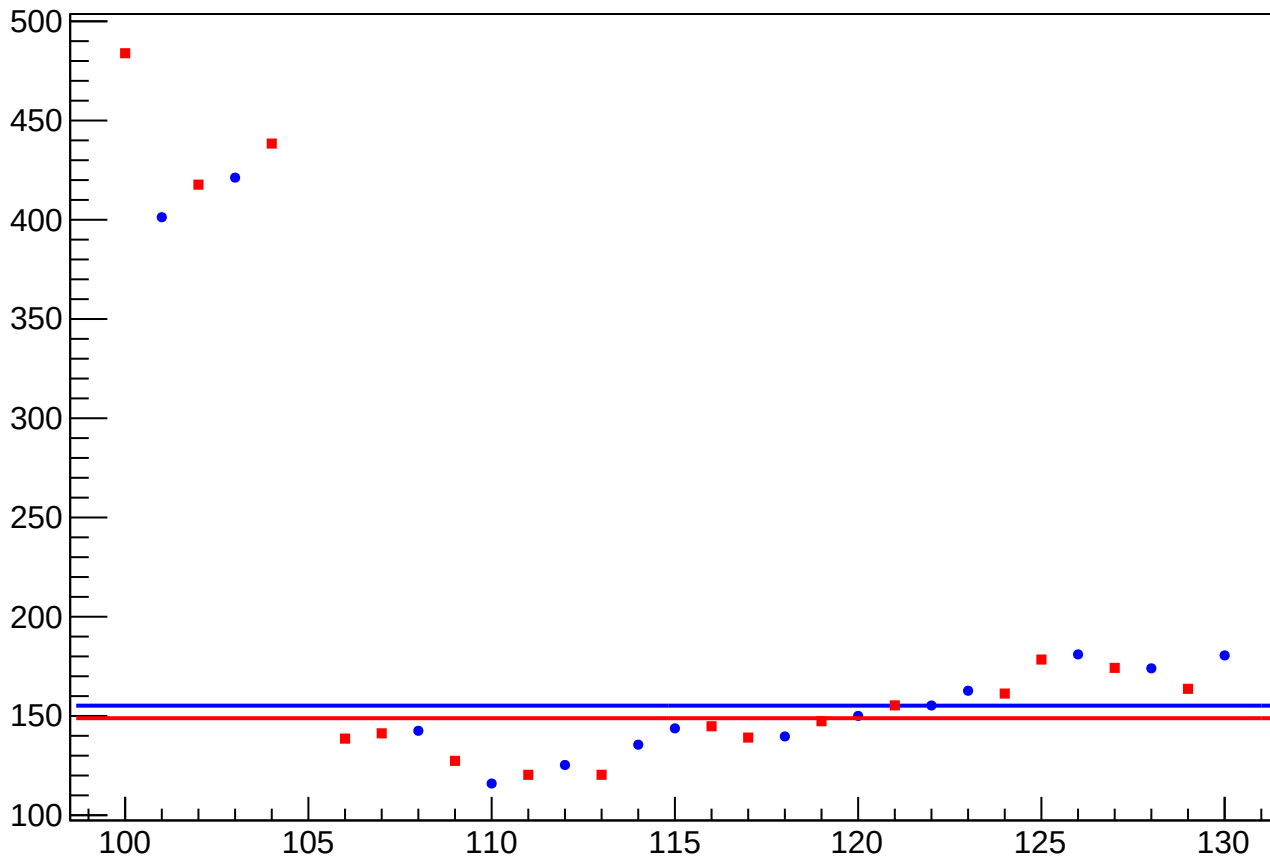
Right Out: 154910.401 $\pm$ 0.067 χ^2 /NDF: 280402270.2/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

155017.527 $\pm$ 0.073 χ^2 /NDF: 205102073.5/13

154910.401 $\pm$ 0.067 χ^2 /NDF: 280402270.2/15

yield_bpm1i02WS_rms vs Slug



Right In: 155.193 $\pm$ 0.051 χ^2 /NDF: 1089926.2/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

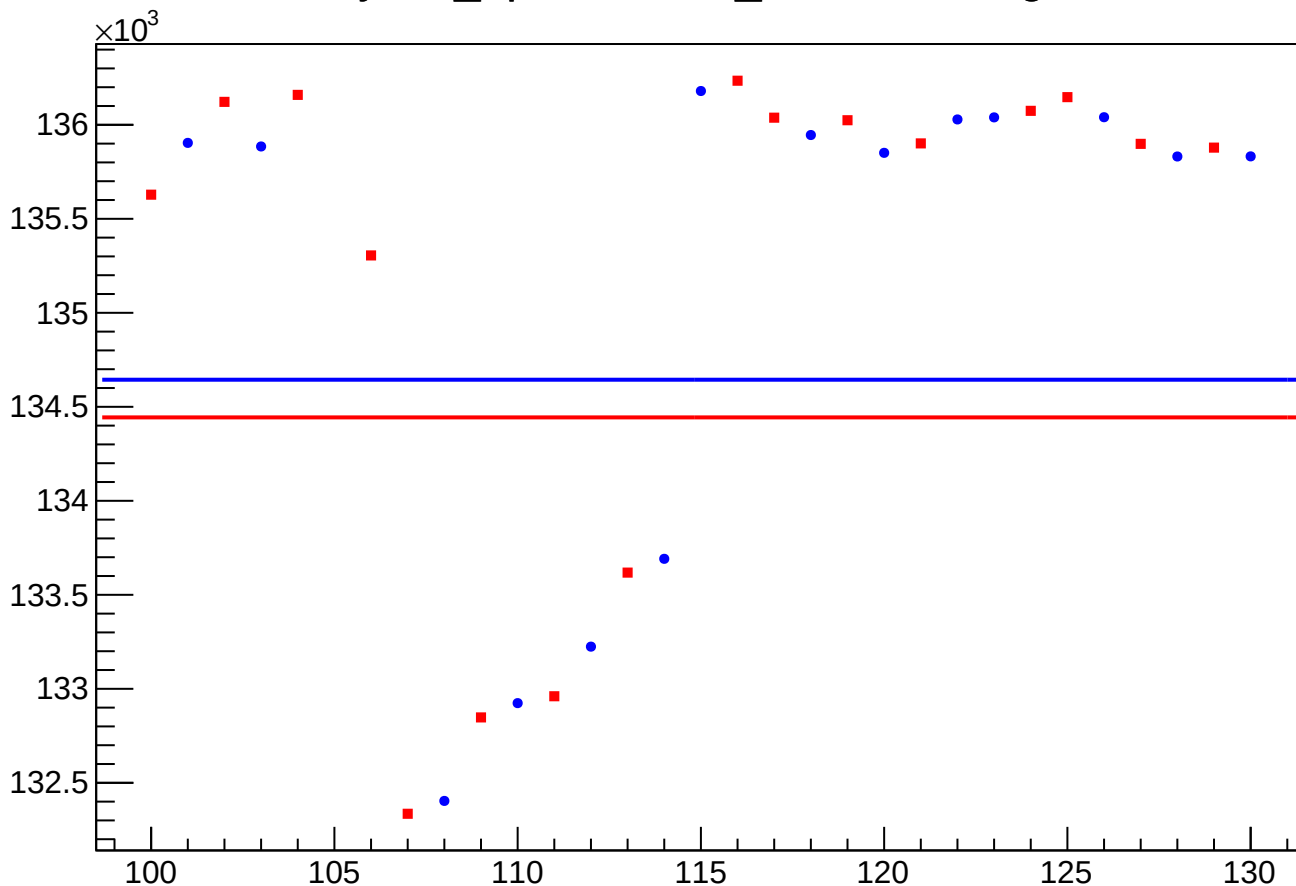
155.193 $\pm$ 0.051 χ^2 /NDF: 1089926.2/13

Right Out: 148.874 $\pm$ 0.047 χ^2 /NDF: 1123361.2/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

148.874 $\pm$ 0.047 χ^2 /NDF: 1123361.2/15

yield_bpm1i04WS_mean vs Slug



Right In: 134644.134 $\pm$ 0.055 χ^2 /NDF: 717692189.1/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

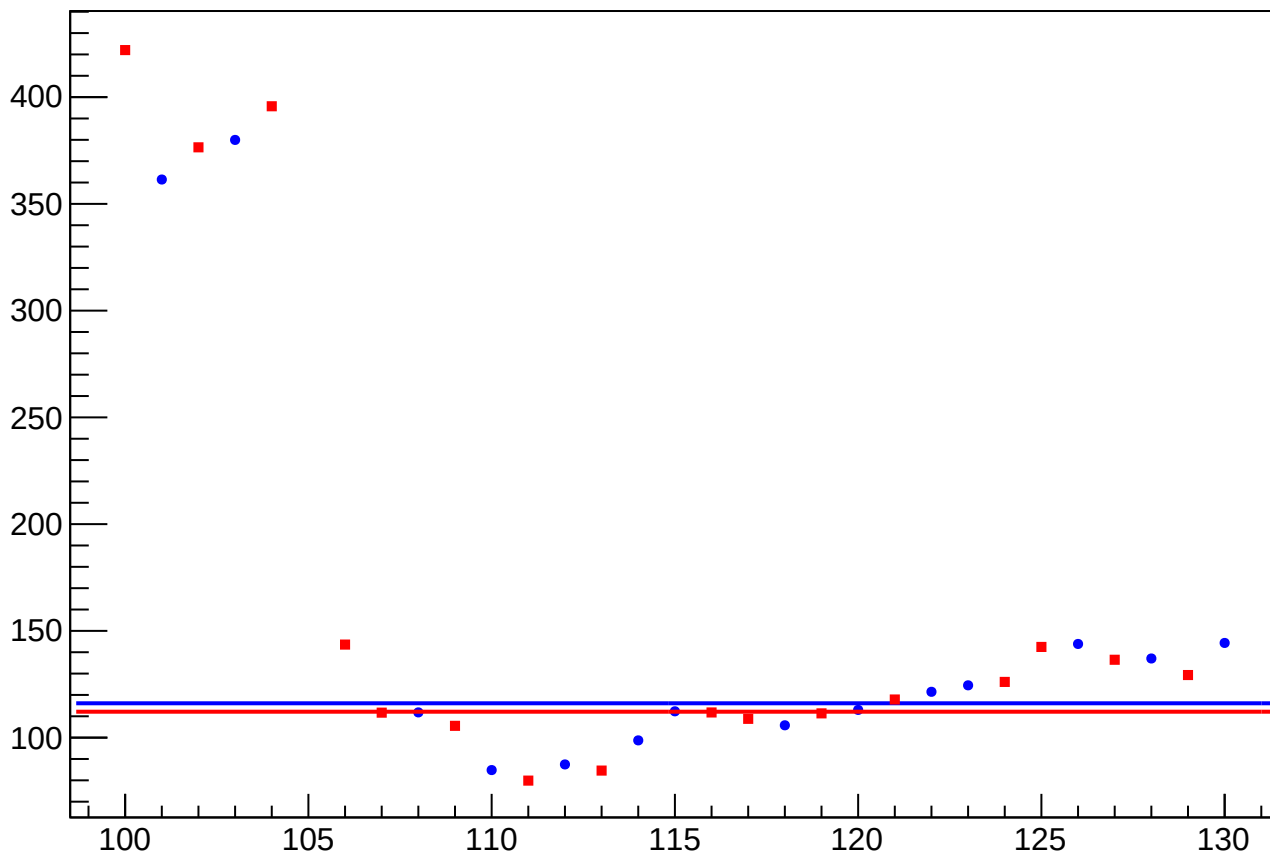
134644.134 $\pm$ 0.055 χ^2 /NDF: 717692189.1/13

Right Out: 134443.720 $\pm$ 0.051 χ^2 /NDF: 845284968.8/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

134443.720 $\pm$ 0.051 χ^2 /NDF: 845284968.8/15

yield_bpm1i04WS_rms vs Slug



Right In: 116.088 $\pm$ 0.039 χ^2 /NDF: 1374828.1/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

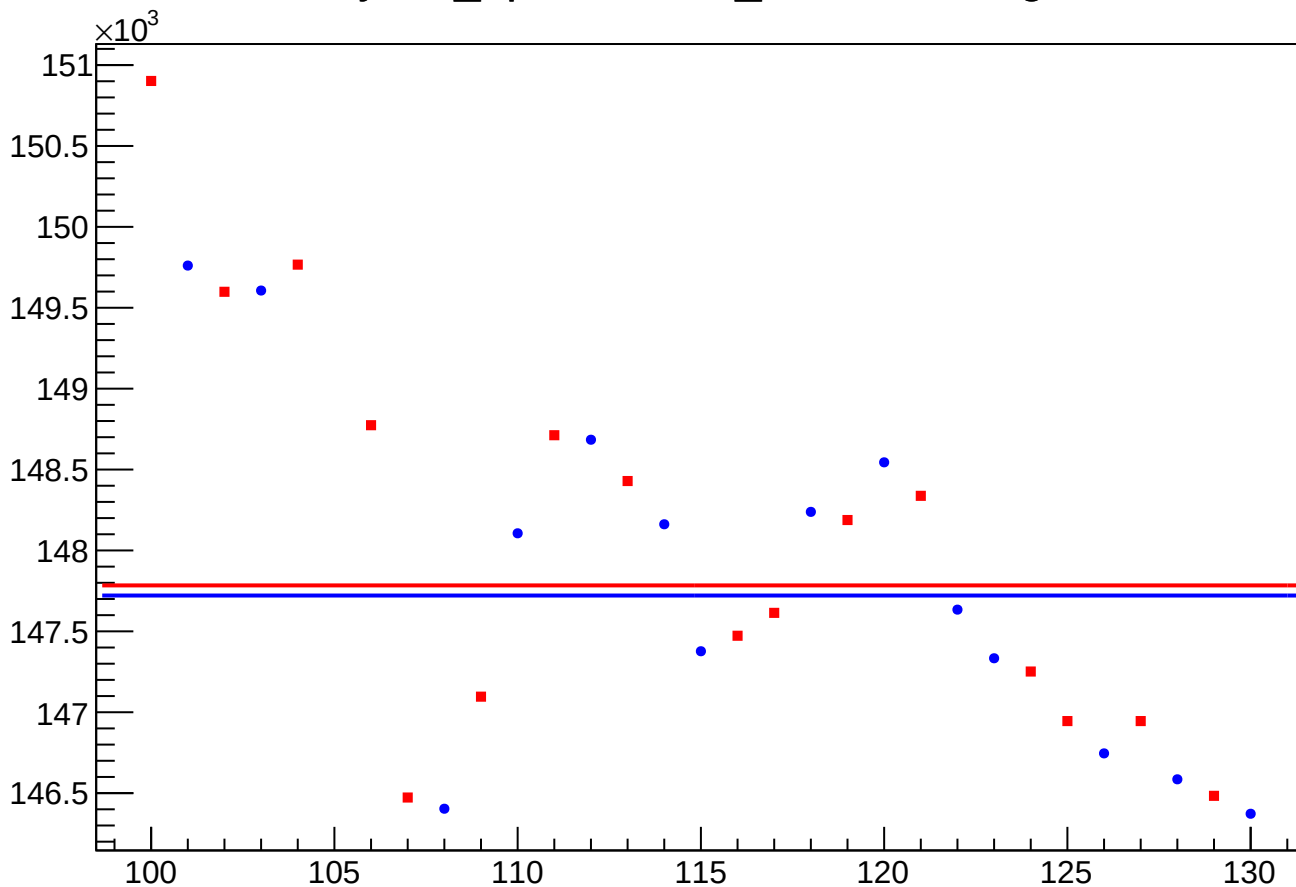
Right Out: 112.141 $\pm$ 0.036 χ^2 /NDF: 1447043.3/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

116.088 $\pm$ 0.039 χ^2 /NDF: 1374828.1/13

112.141 $\pm$ 0.036 χ^2 /NDF: 1447043.3/15

yield_bpm1i06WS_mean vs Slug



Right In: 147721.382 $\pm$ 0.070 χ^2 /NDF: 181065618.8/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

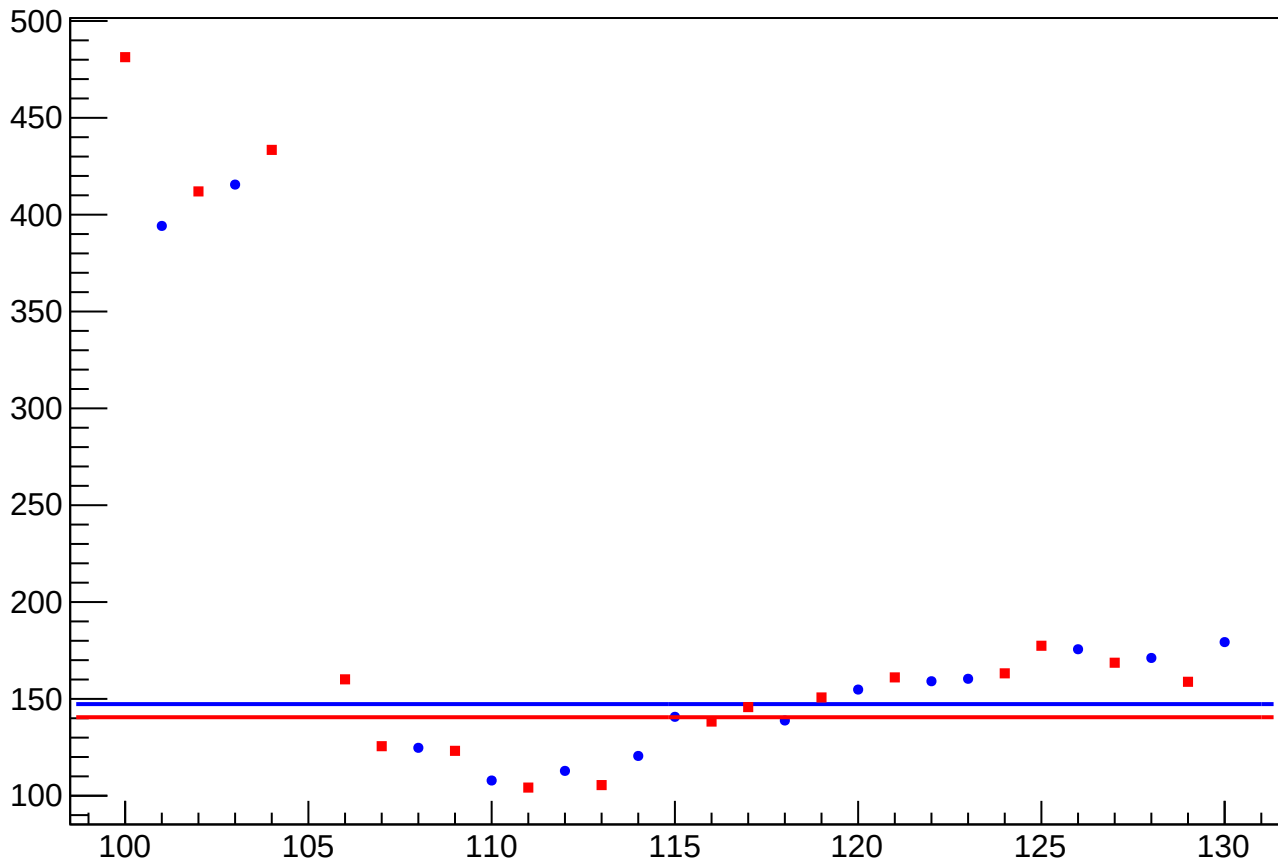
Right Out: 147783.948 $\pm$ 0.064 χ^2 /NDF: 192387255.5/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

147721.382 $\pm$ 0.070 χ^2 /NDF: 181065618.8/13

147783.948 $\pm$ 0.064 χ^2 /NDF: 192387255.5/15

yield_bpm1i06WS_rms vs Slug



Right In: 147.314 $\pm$ 0.049 χ^2 /NDF: 1216283.4/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

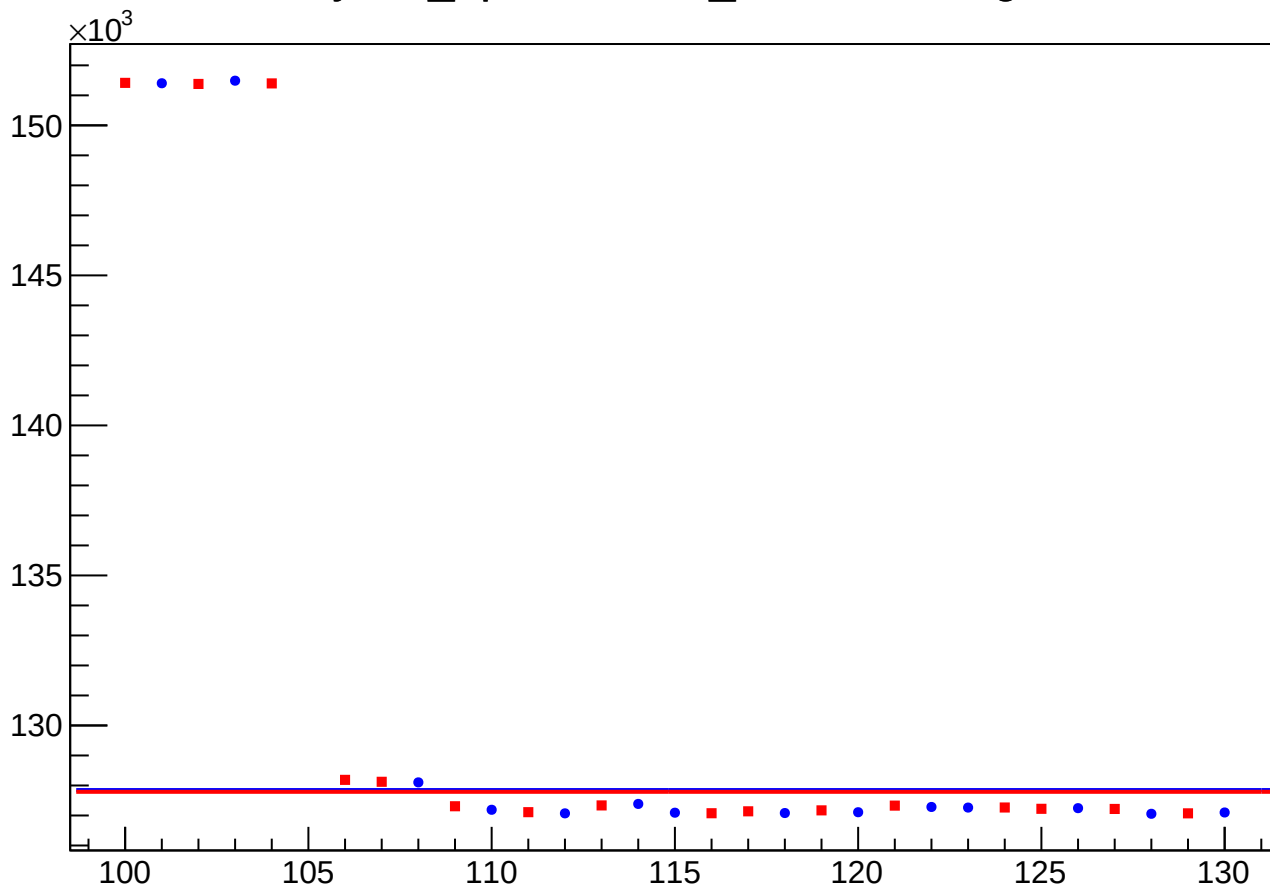
147.314 $\pm$ 0.049 χ^2 /NDF: 1216283.4/13

Right Out: 140.536 $\pm$ 0.045 χ^2 /NDF: 1313073.7/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

140.536 $\pm$ 0.045 χ^2 /NDF: 1313073.7/15

yield_bpm2i01WS_mean vs Slug



Right In: 127847.712 $\pm$ 0.059 χ^2 /NDF: 4194195079.7/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

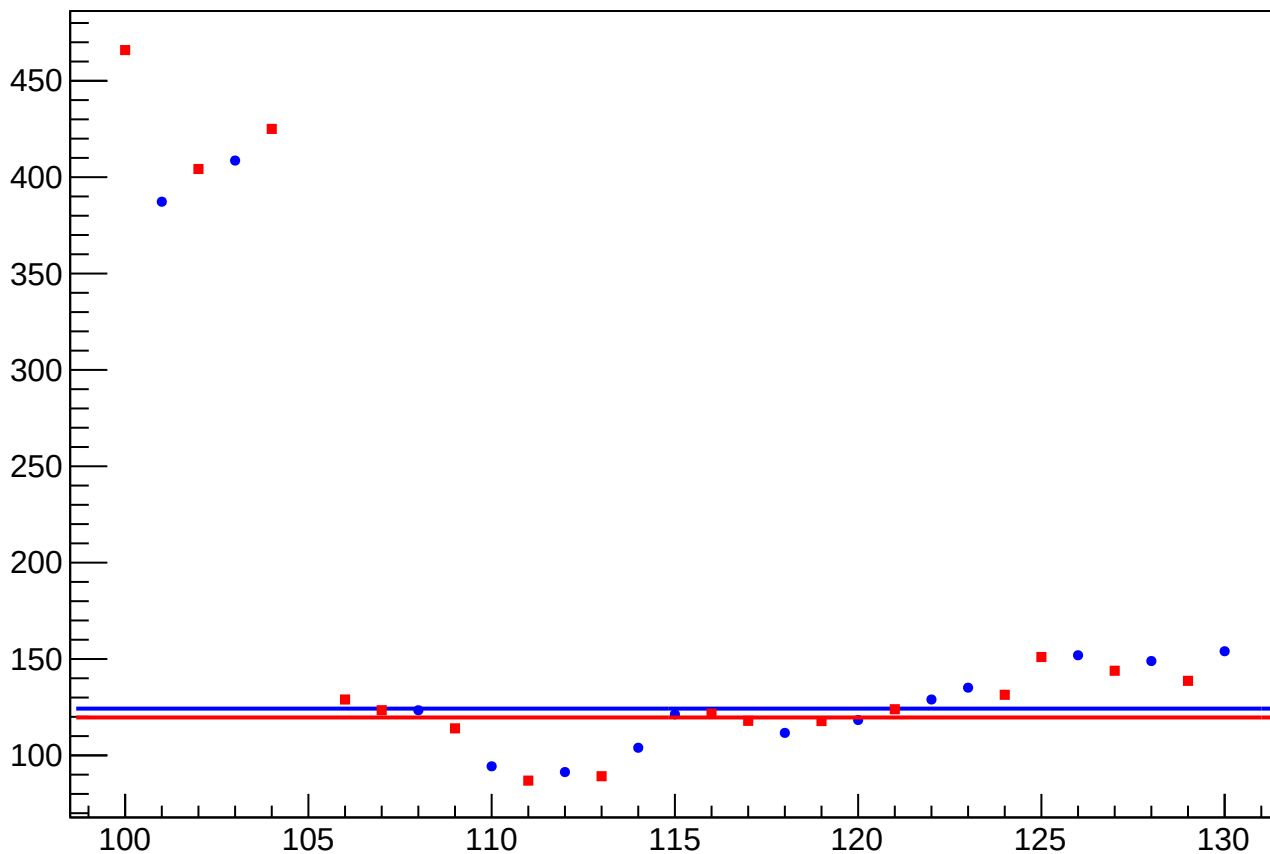
Right Out: 127789.076 $\pm$ 0.054 χ^2 /NDF: 3659002287.5/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

127847.712 $\pm$ 0.059 χ^2 /NDF: 4194195079.7/13

127789.076 $\pm$ 0.054 χ^2 /NDF: 3659002287.5/15

yield_bpm2i01WS_rms vs Slug



Right In: 124.267 $\pm$ 0.042 χ^2 /NDF: 1374769.6/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

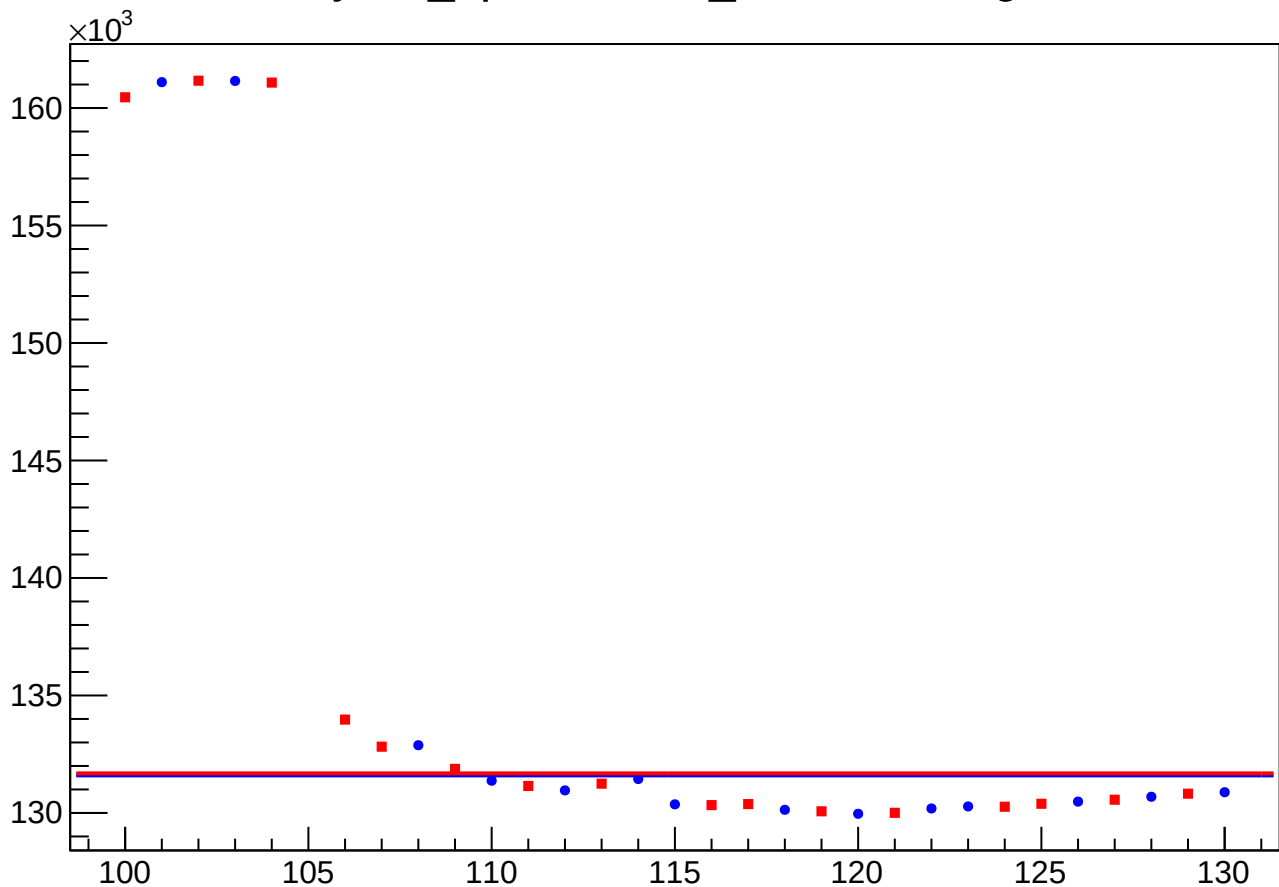
Right Out: 119.670 $\pm$ 0.039 χ^2 /NDF: 1419401.2/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

124.267 $\pm$ 0.042 χ^2 /NDF: 1374769.6/13

119.670 $\pm$ 0.039 χ^2 /NDF: 1419401.2/15

yield_bpm2i02WS_mean vs Slug



Right In: 131598.526 $\pm$ 0.062 χ^2 /NDF: 6017490441.6/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

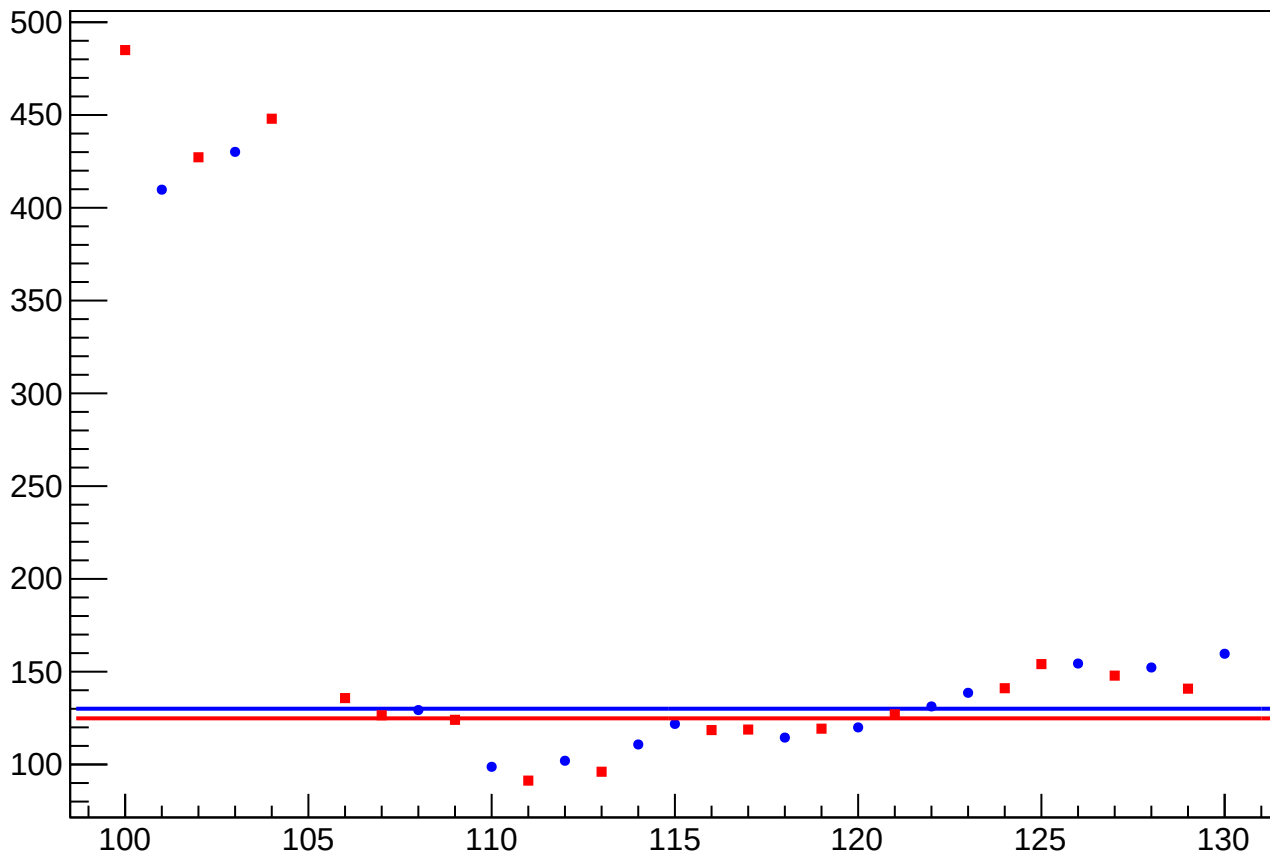
131598.526 $\pm$ 0.062 χ^2 /NDF: 6017490441.6/13

Right Out: 131684.149 $\pm$ 0.057 χ^2 /NDF: 5369757215.4/15

131684.149 $\pm$ 0.057 χ^2 /NDF: 5369757215.4/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

yield_bpm2i02WS_rms vs Slug



Right In: 130.047 $\pm$ 0.044 χ^2 /NDF: 1330891.7/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

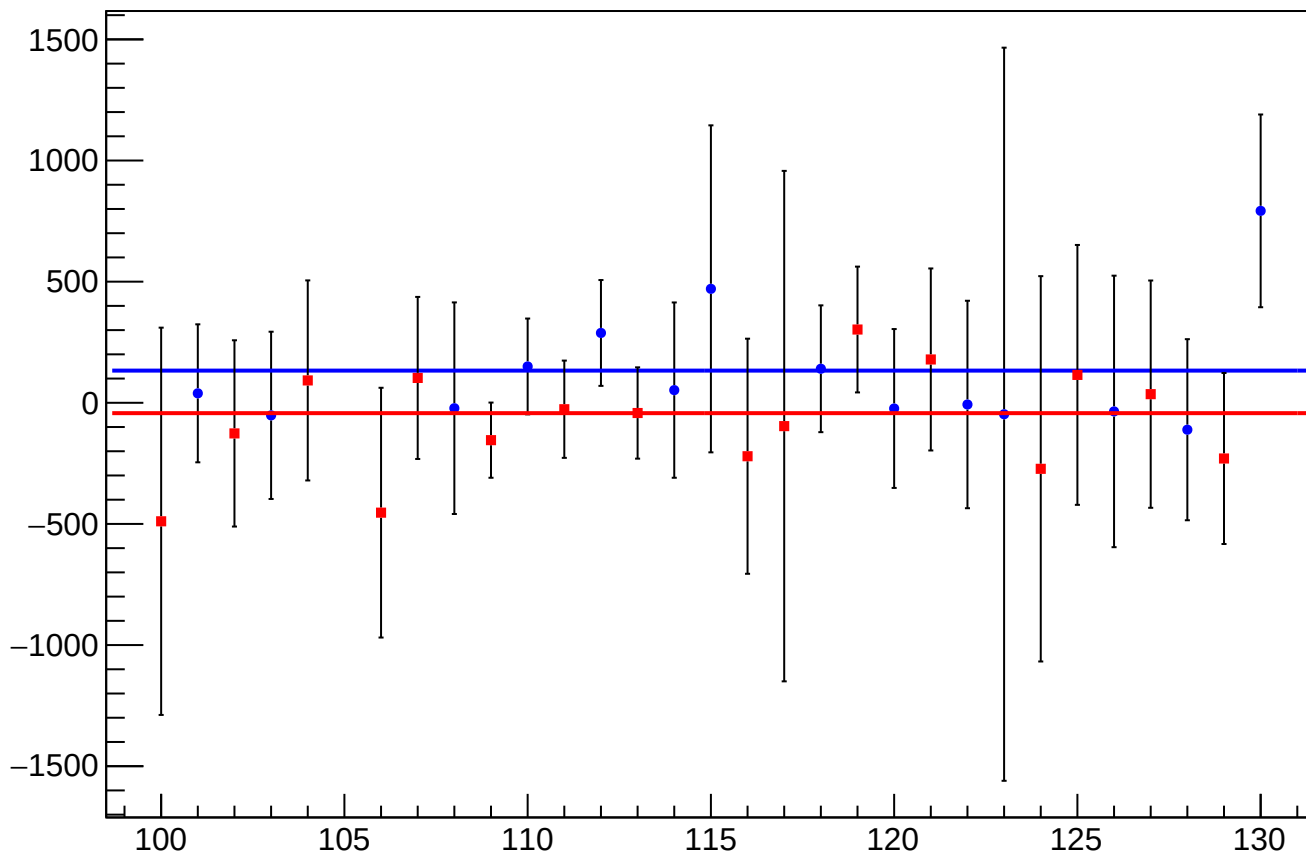
Right Out: 124.853 $\pm$ 0.040 χ^2 /NDF: 1389238.4/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

130.047 $\pm$ 0.044 χ^2 /NDF: 1330891.7/13

124.853 $\pm$ 0.040 χ^2 /NDF: 1389238.4/15

asym_bcm_an_ds_mean vs Slug



Right In: 132.865+/-88.119 χ^2/NDF : 4.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

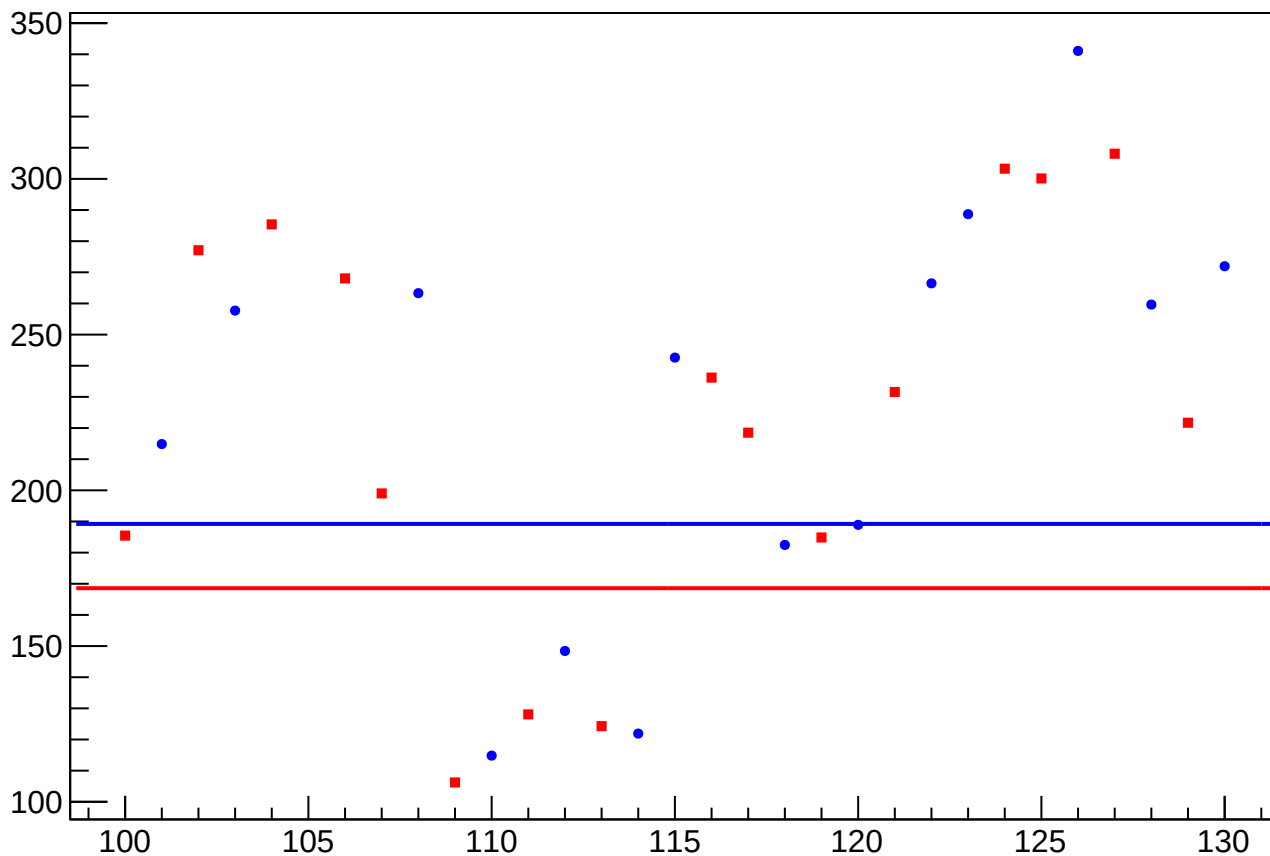
Right Out: -42.775+/-77.591 χ^2/NDF : 4.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

132.865+/-88.119 χ^2/NDF : 4.9/13

-42.775+/-77.591 χ^2/NDF : 4.5/15

asym_bcm_an_ds_rms vs Slug



Right In: 189.215 $\pm$ 0.062 χ^2 /NDF: 966513.2/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

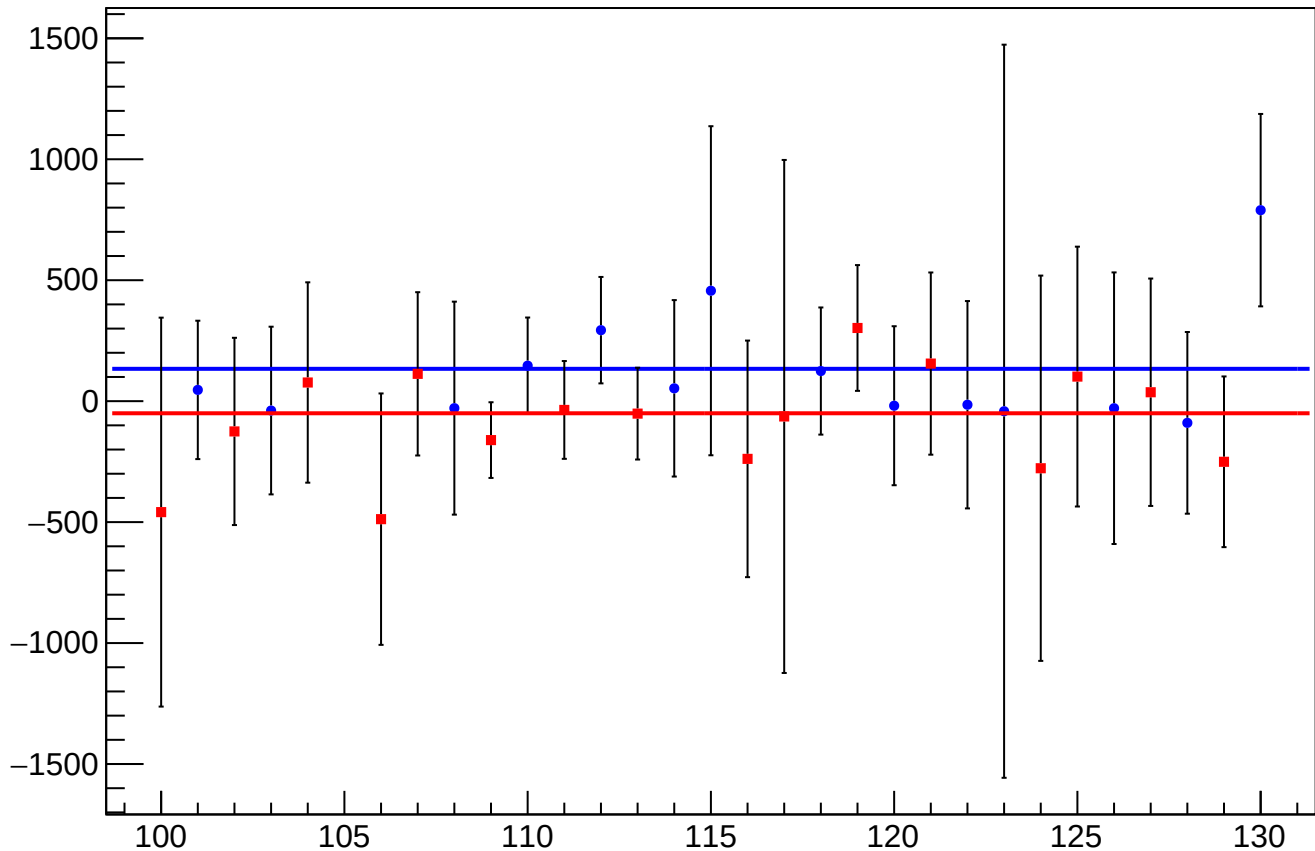
Right Out: 168.582 $\pm$ 0.055 χ^2 /NDF: 1433689.9/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

189.215 $\pm$ 0.062 χ^2 /NDF: 966513.2/13

168.582 $\pm$ 0.055 χ^2 /NDF: 1433689.9/15

asym_bcm_an_ds3_mean vs Slug



Right In: 133.686+/-88.562 χ^2/NDF : 4.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

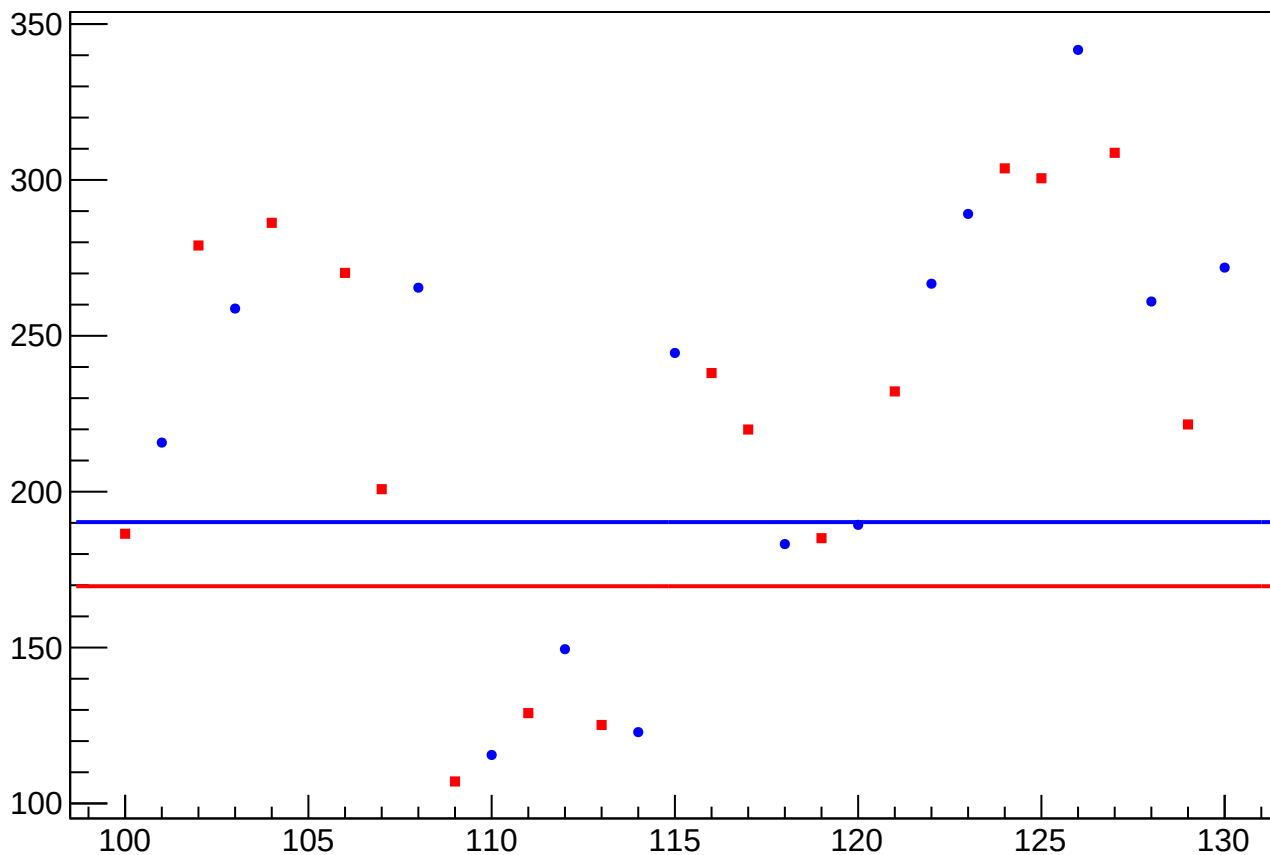
Right Out: -50.060+/-78.050 χ^2/NDF : 4.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

133.686+/-88.562 χ^2/NDF : 4.8/13

-50.060+/-78.050 χ^2/NDF : 4.6/15

asym_bcm_an_ds3_rms vs Slug



Right In: 190.245 $\pm$ 0.063 χ^2 /NDF: 958223.5/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

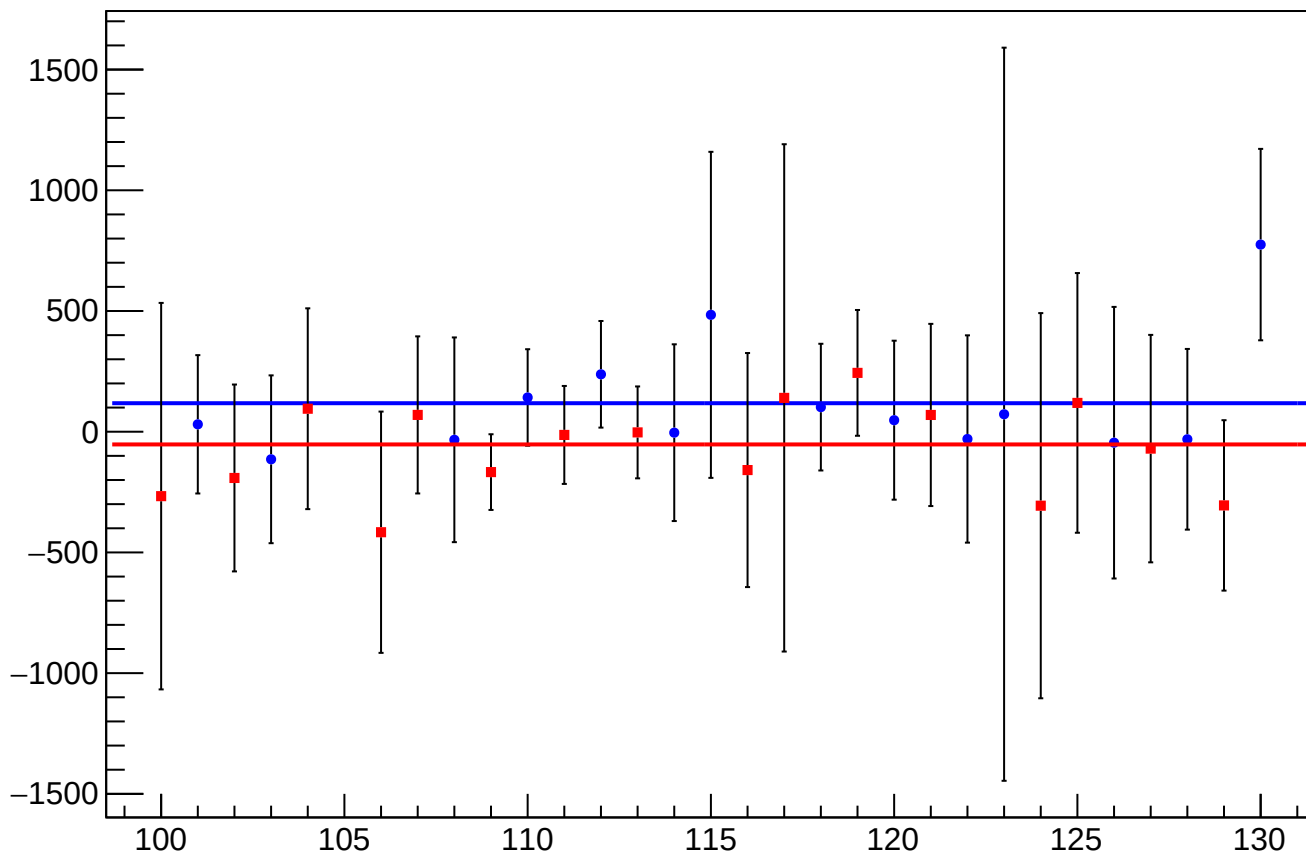
Right Out: 169.680 $\pm$ 0.055 χ^2 /NDF: 1421559.2/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

190.245 $\pm$ 0.063 χ^2 /NDF: 958223.5/13

169.680 $\pm$ 0.055 χ^2 /NDF: 1421559.2/15

asym_bcm_an_us_mean vs Slug



Right In: 118.082 $\pm$ 88.557 χ^2 /NDF: 4.5/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

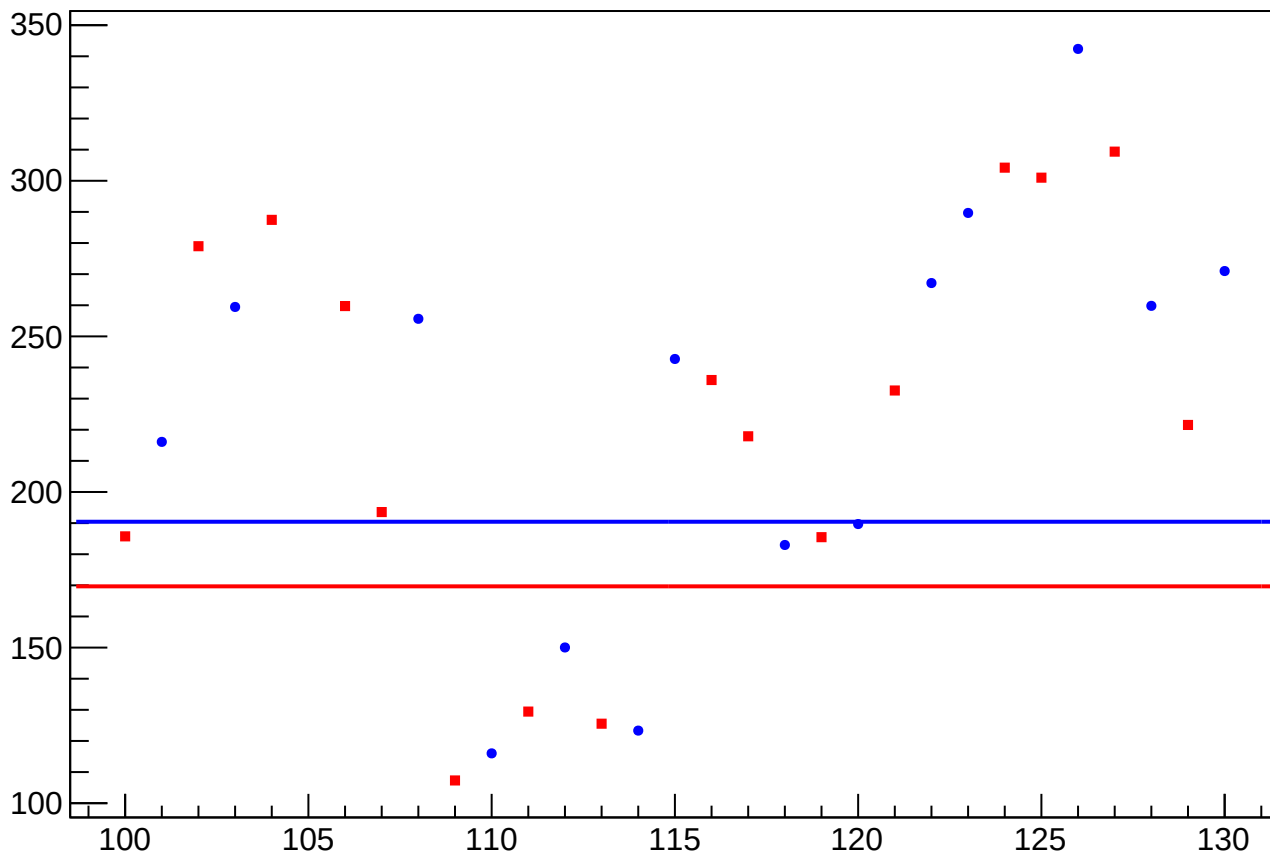
Right Out: -52.678 $\pm$ 77.957 χ^2 /NDF: 3.8/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

118.082 $\pm$ 88.557 χ^2 /NDF: 4.5/13

-52.678 $\pm$ 77.957 χ^2 /NDF: 3.8/15

asym_bcm_an_us_rms vs Slug



Right In: 190.439 $\pm$ 0.063 χ^2 /NDF: 937182.0/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

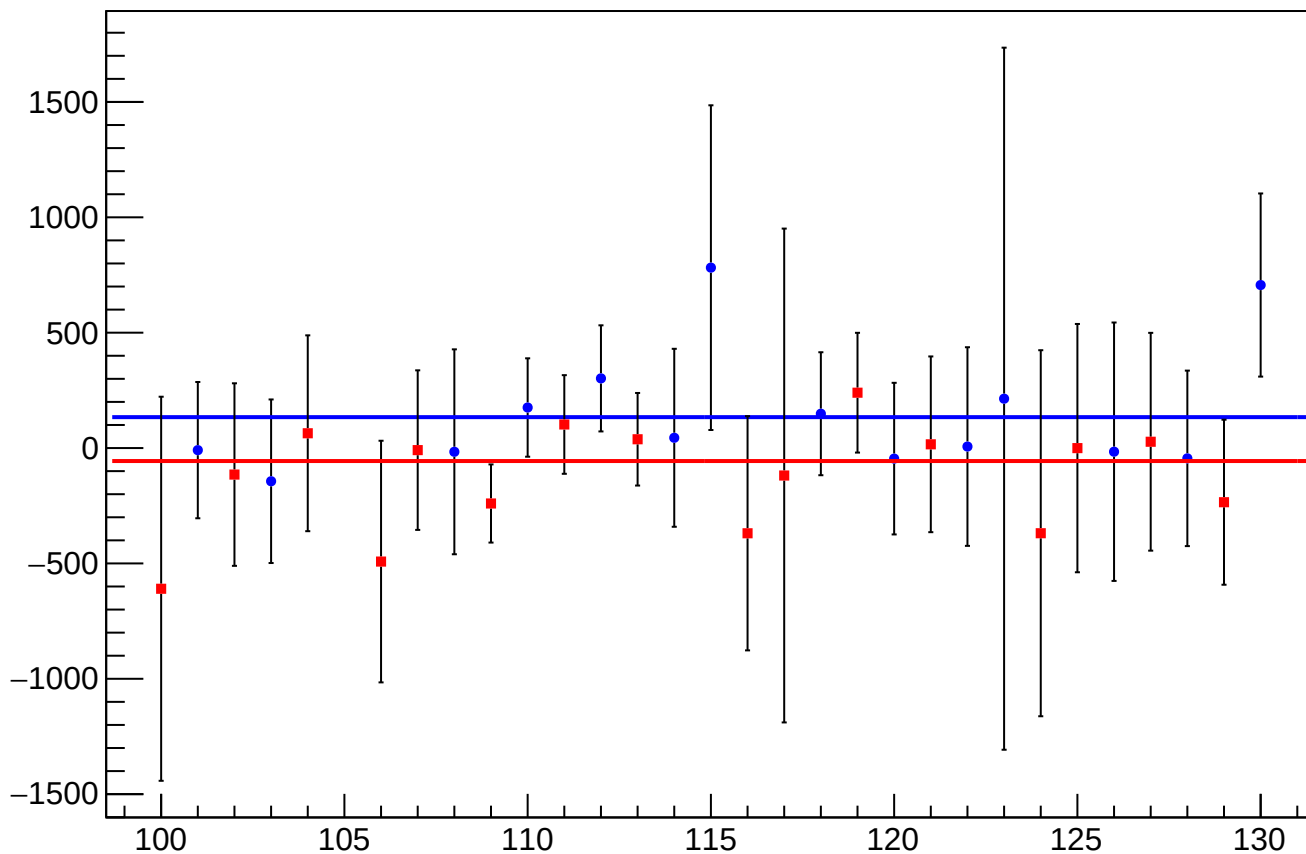
Right Out: 169.680 $\pm$ 0.055 χ^2 /NDF: 1399064.5/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

190.439 $\pm$ 0.063 χ^2 /NDF: 937182.0/13

169.680 $\pm$ 0.055 χ^2 /NDF: 1399064.5/15

asym_bcm_dg_us_mean vs Slug



Right In: 133.975+/-91.371 χ^2 /NDF: 5.2/13

Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

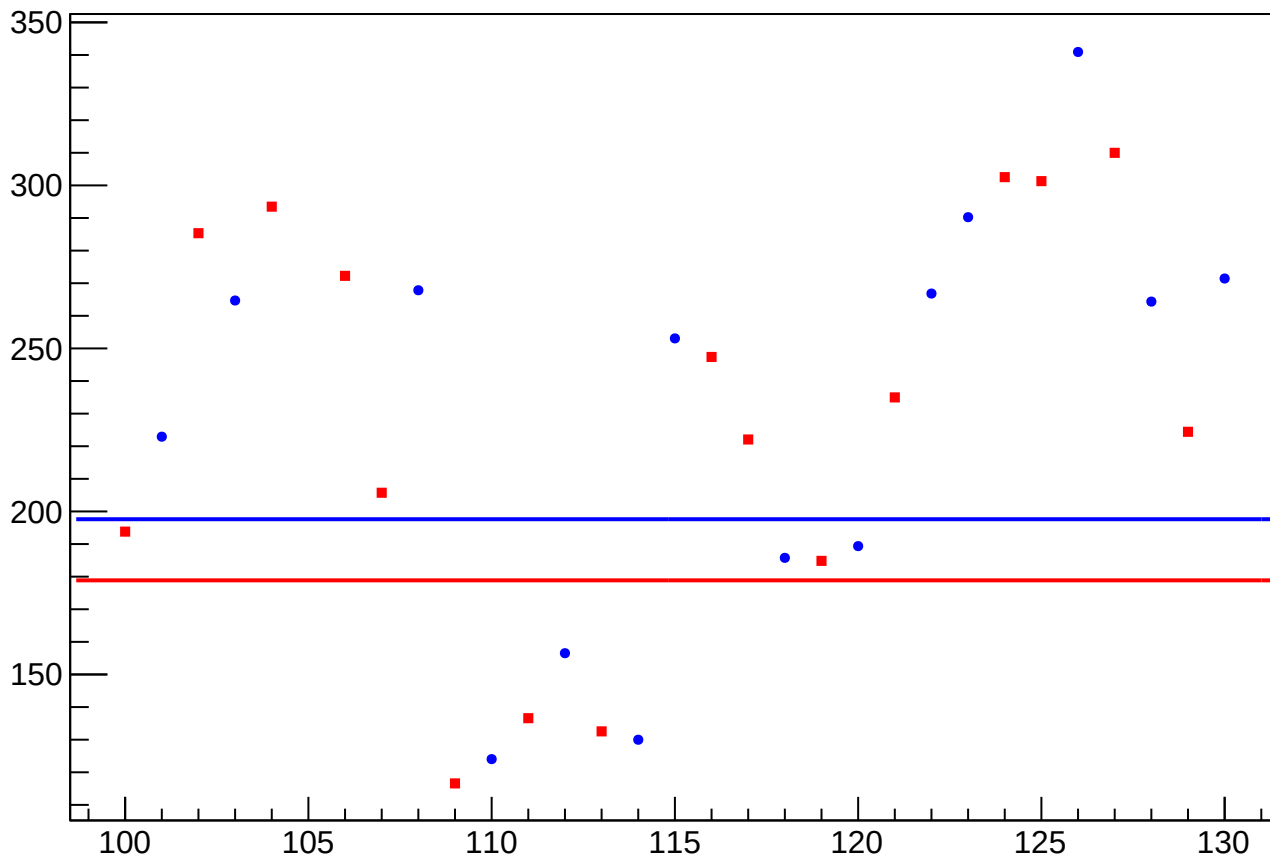
Right Out: -56.263+/-81.420 χ^2 /NDF: 5.4/15

Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

133.975+/-91.371 χ^2 /NDF: 5.2/13

-56.263+/-81.420 χ^2 /NDF: 5.4/15

asym_bcm_dg_us_rms vs Slug



Right In: 197.615 $\pm$ 0.065 χ^2 /NDF: 838450.2/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

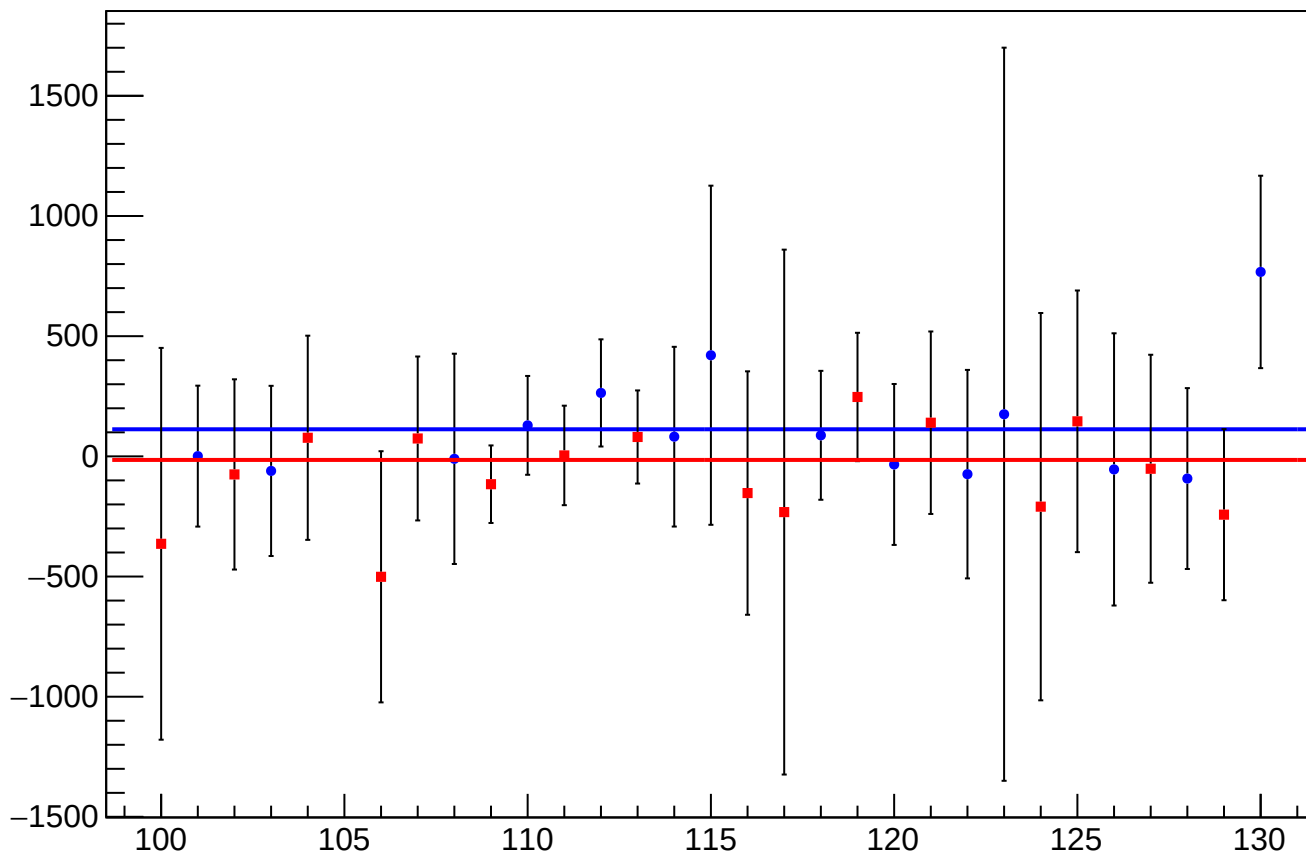
Right Out: 178.866 $\pm$ 0.058 χ^2 /NDF: 1245583.1/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

197.615 $\pm$ 0.065 χ^2 /NDF: 838450.2/13

178.866 $\pm$ 0.058 χ^2 /NDF: 1245583.1/15

asym_bcm_dg_ds_mean vs Slug



Right In: 112.664 $\pm$ 90.251 χ^2 /NDF: 4.6/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

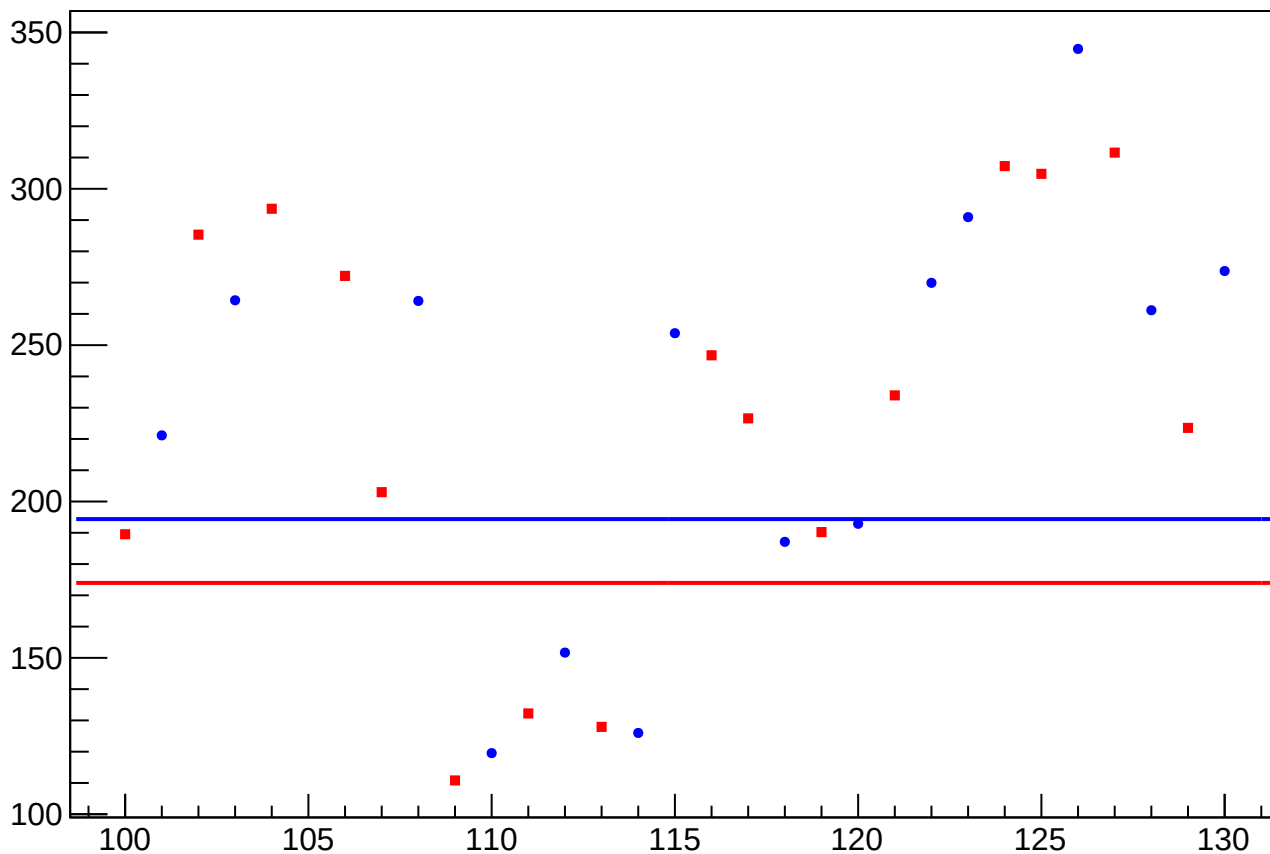
Right Out: -14.872 $\pm$ 79.792 χ^2 /NDF: 3.6/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

112.664 $\pm$ 90.251 χ^2 /NDF: 4.6/13

-14.872 $\pm$ 79.792 χ^2 /NDF: 3.6/15

asym_bcm_dg_ds_rms vs Slug



Right In: 194.377+/-0.064 χ^2/NDF : 917862.5/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

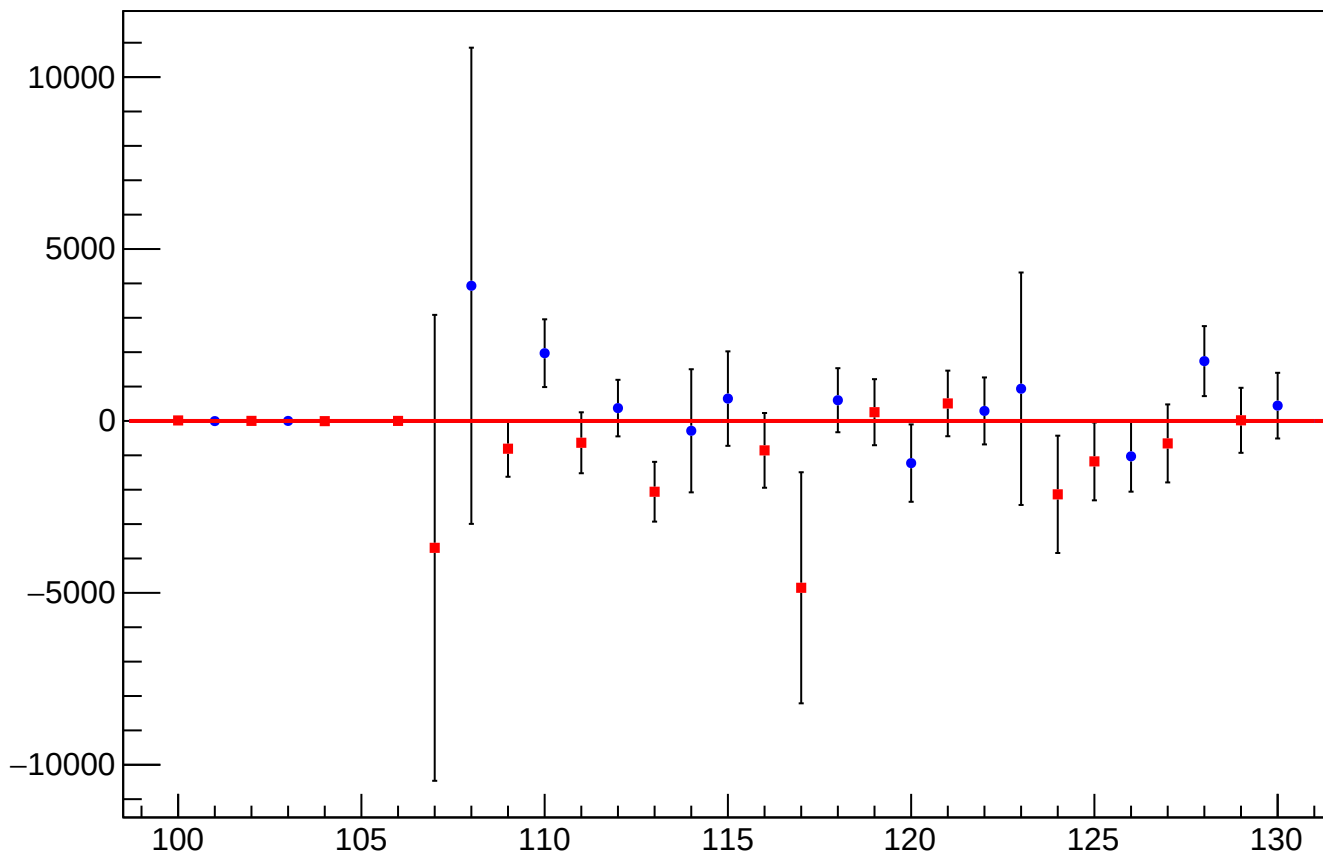
Right Out: 173.970+/-0.056 χ^2/NDF : 1384572.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

194.377+/-0.064 χ^2/NDF : 917862.5/13

173.970+/-0.056 χ^2/NDF : 1384572.7/15

asym_cav4bQ_mean vs Slug



Right In: -1.499+/-2.251 χ^2 /NDF: 12.0/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

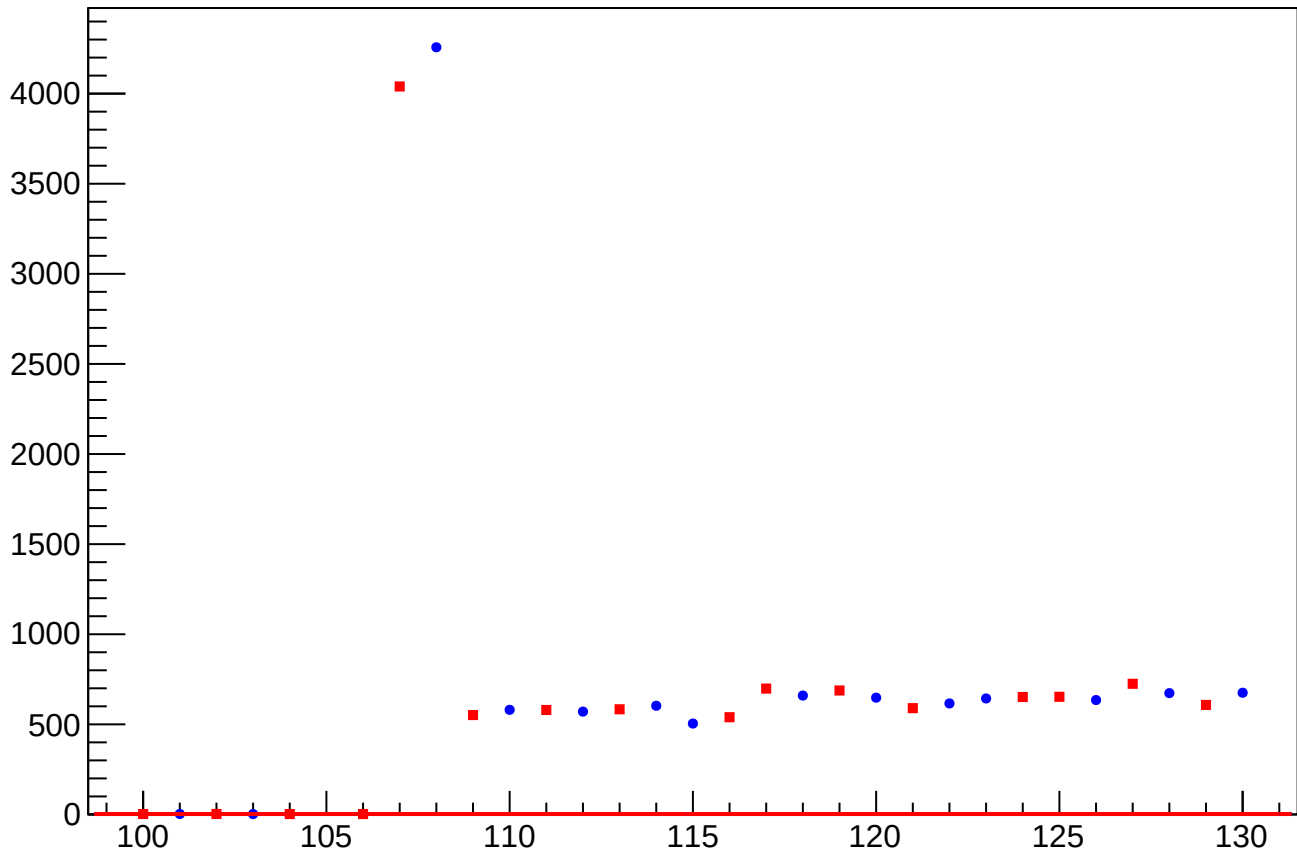
Right Out: -0.744+/-2.111 χ^2 /NDF: 19.4/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

-1.499+/-2.251 χ^2 /NDF: 12.0/13

-0.744+/-2.111 χ^2 /NDF: 19.4/15

asym_cav4bQ_rms vs Slug



Right In: 2.440+/-0.002 χ^2/NDF : 8042174.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

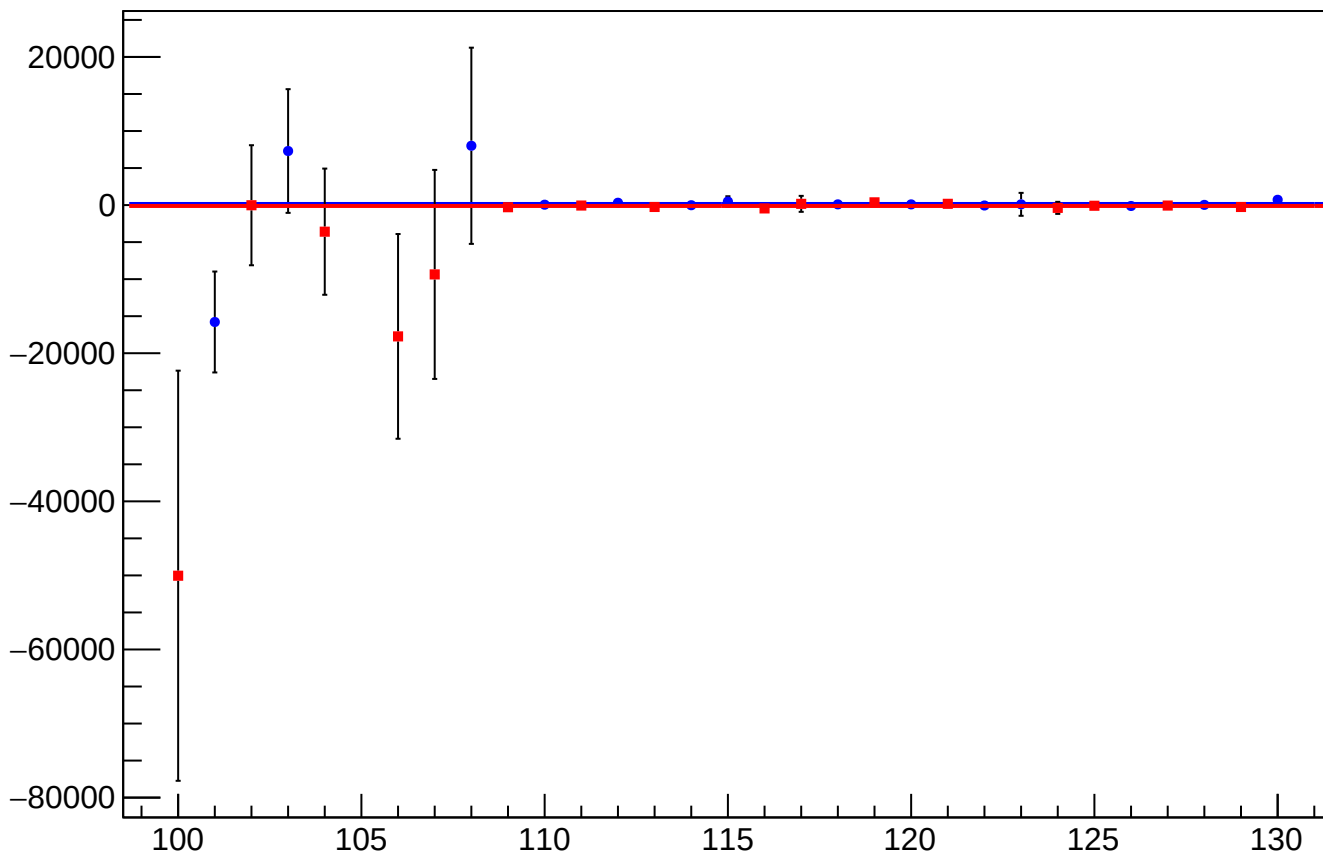
Right Out: 2.424+/-0.001 χ^2/NDF : 8302741.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

2.440+/-0.002 χ^2/NDF : 8042174.2/13

2.424+/-0.001 χ^2/NDF : 8302741.4/15

asym_cav4cQ_mean vs Slug



Right In: 148.716+/-103.745 χ^2 /NDF: 10.2/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

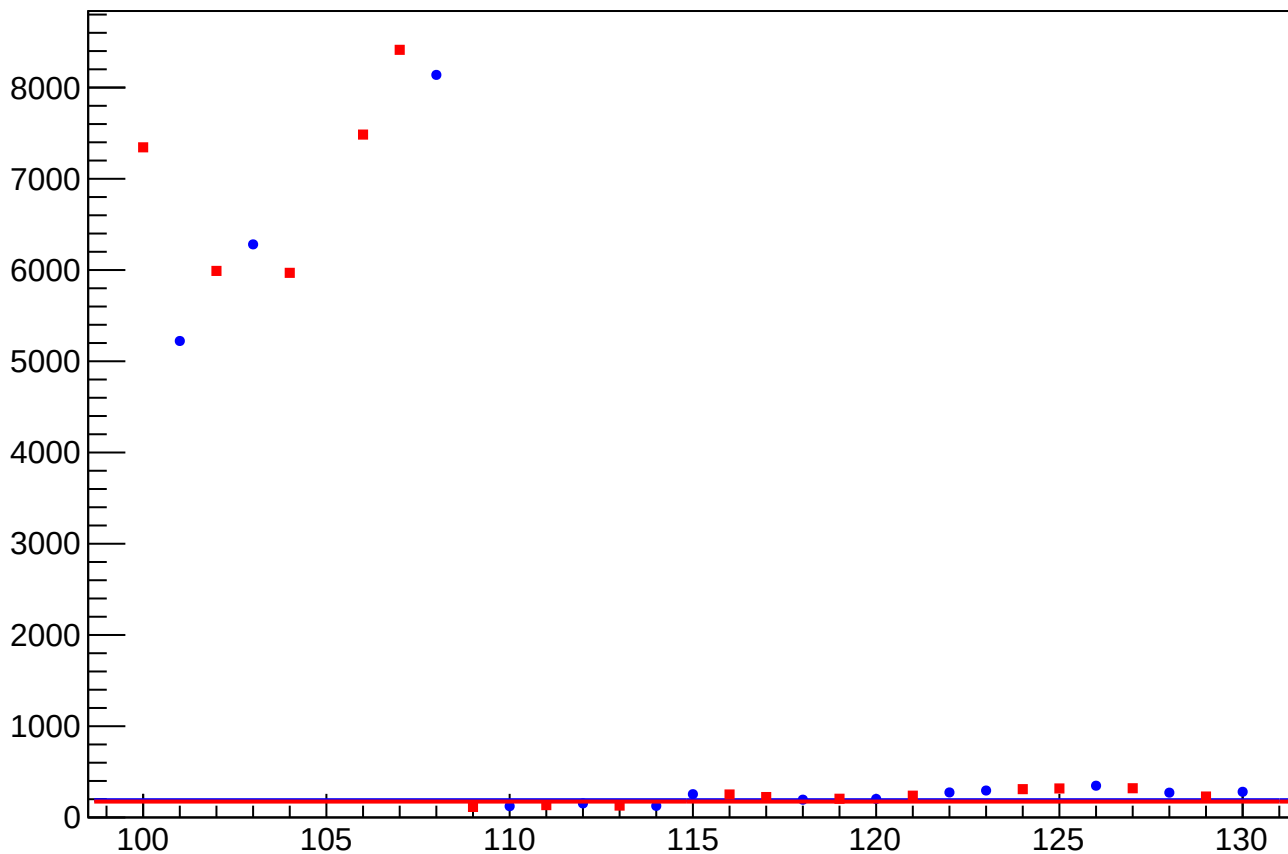
Right Out: -117.551+/-96.882 χ^2 /NDF: 10.8/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

148.716+/-103.745 χ^2 /NDF: 10.2/13

-117.551+/-96.882 χ^2 /NDF: 10.8/15

asym_cav4cQ_rms vs Slug



Right In: 189.379+/-0.073 χ^2/NDF : 3621337.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

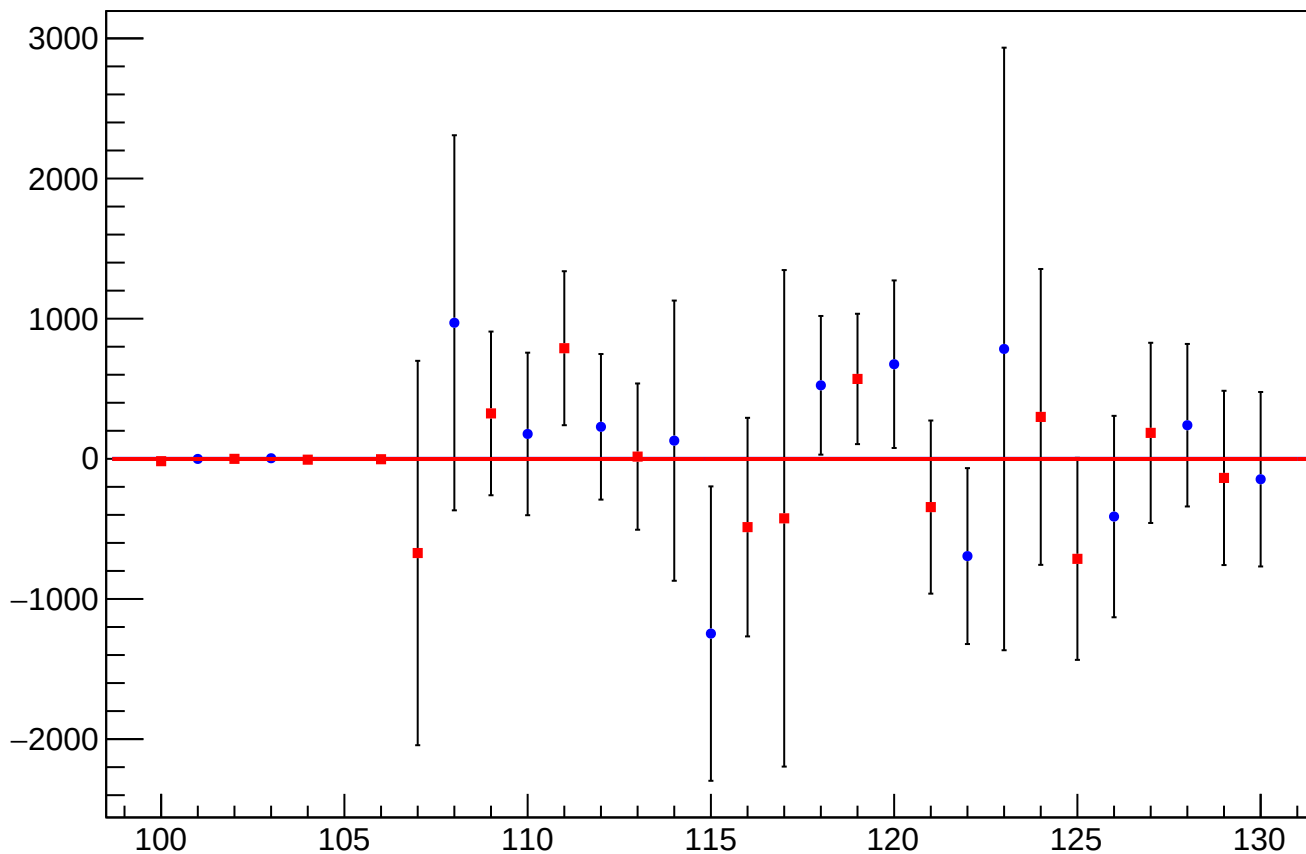
Right Out: 173.904+/-0.069 χ^2/NDF : 4166386.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

189.379+/-0.073 χ^2/NDF : 3621337.8/13

173.904+/-0.069 χ^2/NDF : 4166386.4/15

asym_cav4dQ_mean vs Slug



Right In: -0.151+/-1.737 χ^2 /NDF: 7.4/13

Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

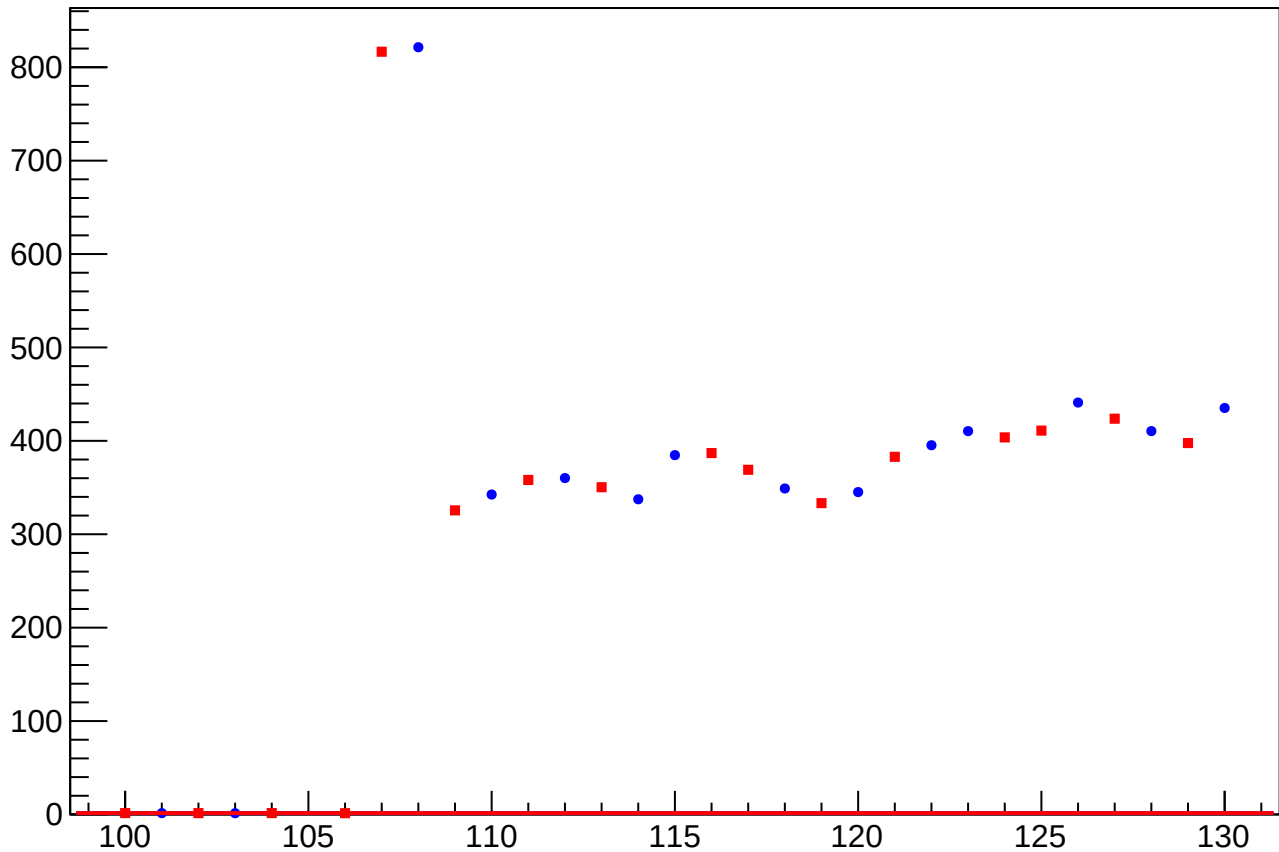
Right Out: -1.326+/-1.623 χ^2 /NDF: 8.8/15

Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

-0.151+/-1.737 χ^2 /NDF: 7.4/13

-1.326+/-1.623 χ^2 /NDF: 8.8/15

asym_cav4dQ_rms vs Slug



Right In: 1.442+/-0.001 χ^2/NDF : 8112650.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

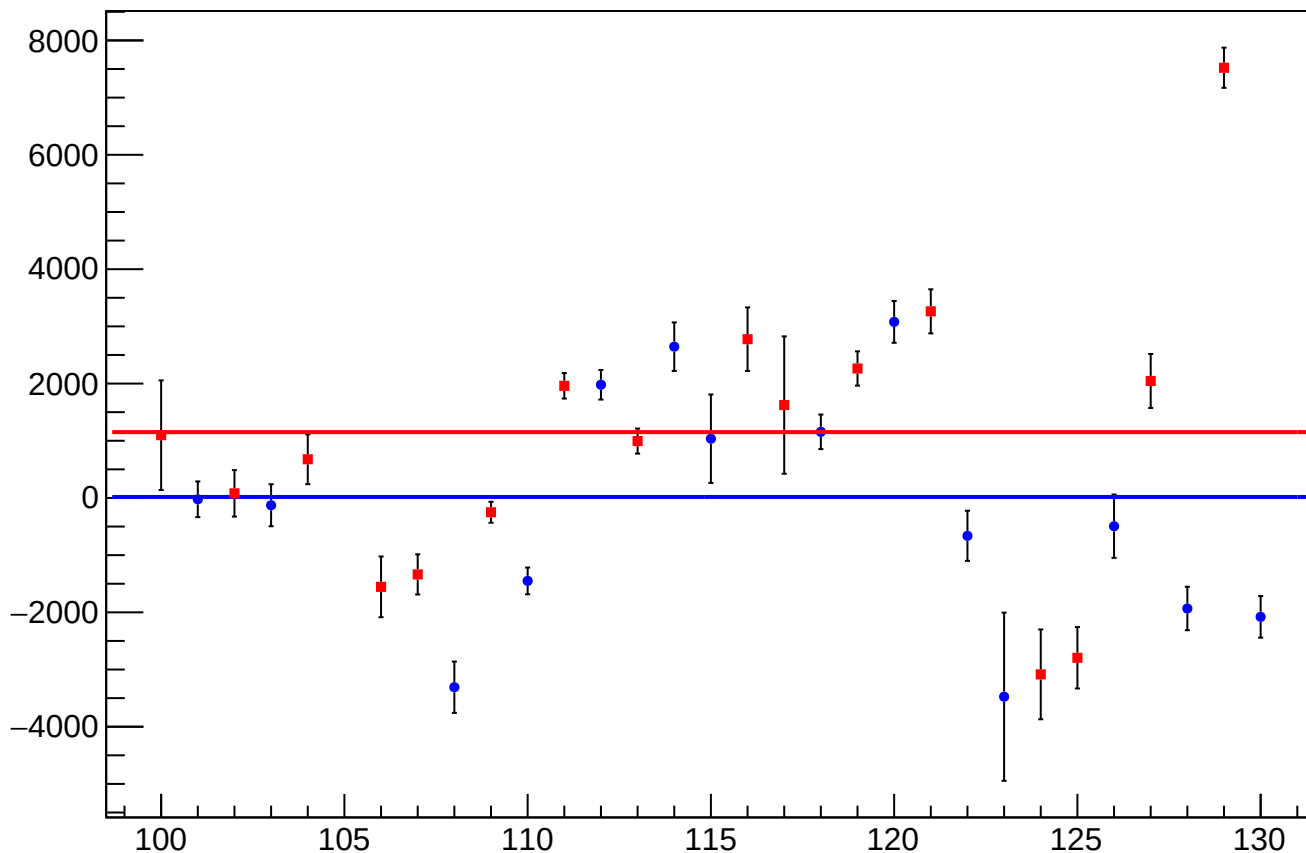
Right Out: 1.442+/-0.001 χ^2/NDF : 8028595.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1.442+/-0.001 χ^2/NDF : 8112650.8/13

1.442+/-0.001 χ^2/NDF : 8028595.8/15

asym_bcm0l02_mean vs Slug



Right In: 17.299+/-97.631 χ^2/NDF : 344.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

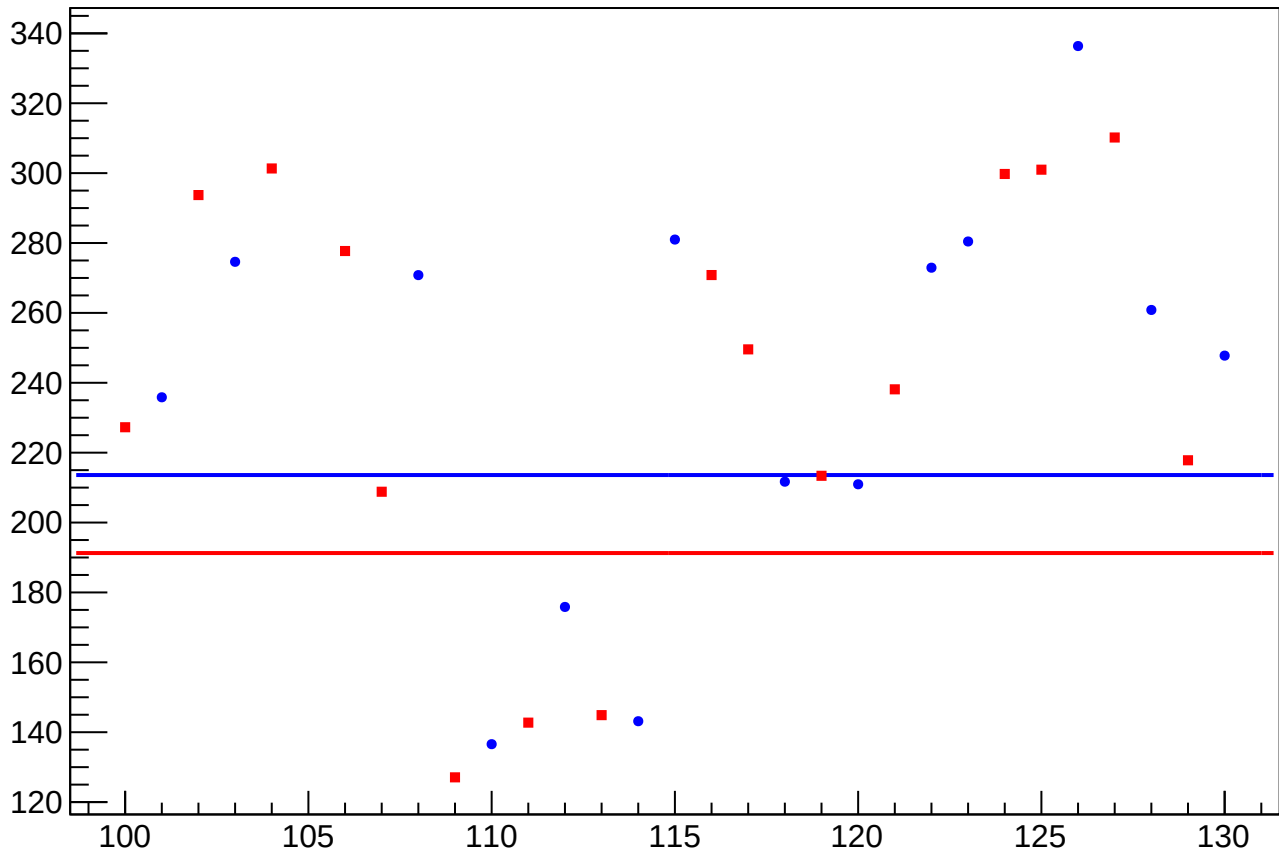
Right Out: 1150.658+/-86.287 χ^2/NDF : 625.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

17.299+/-97.631 χ^2/NDF : 344.9/13

1150.658+/-86.287 χ^2/NDF : 625.1/15

asym_bcm0l02_rms vs Slug



Right In: 213.597+/-0.069 χ^2/NDF : 615360.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

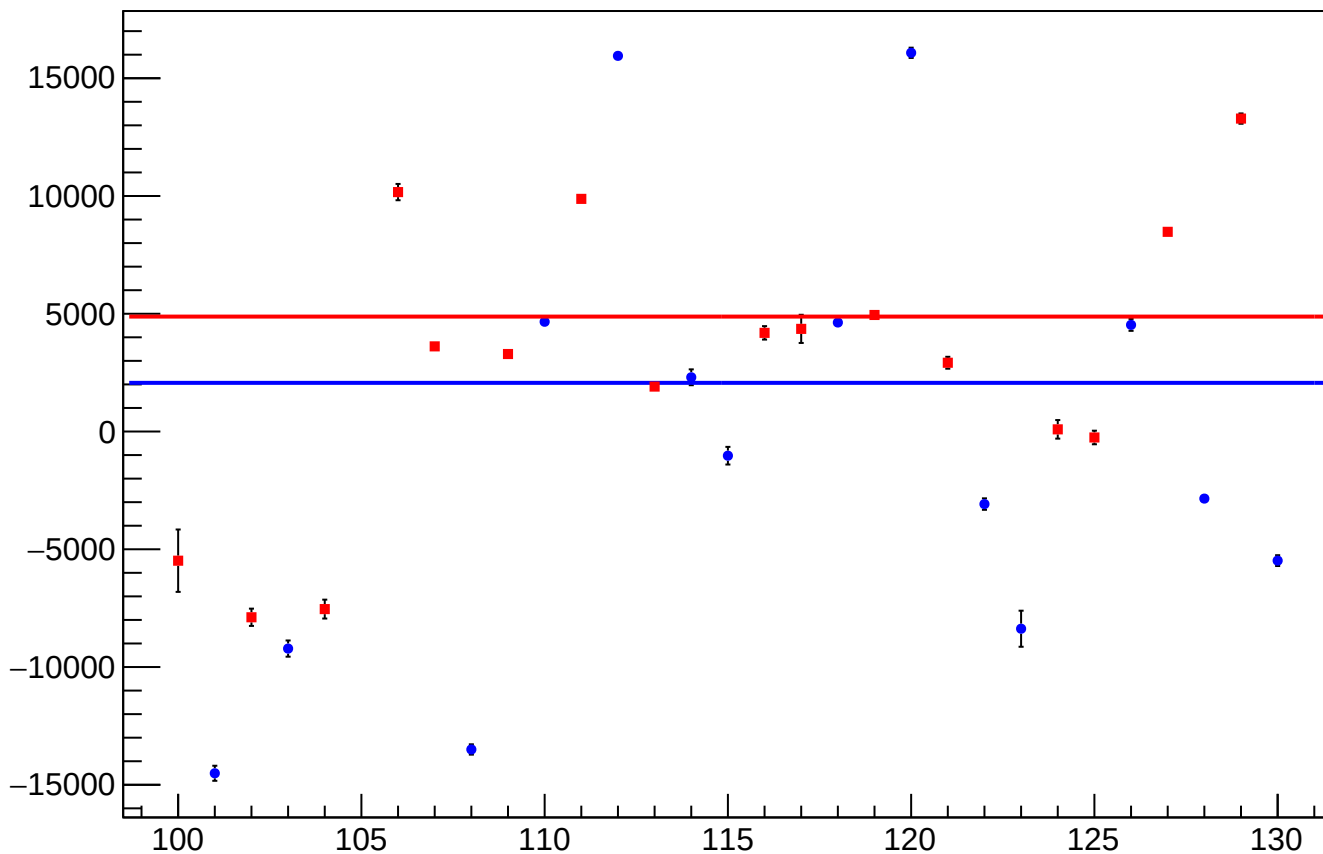
213.597+/-0.069 χ^2/NDF : 615360.2/13

Right Out: 191.273+/-0.061 χ^2/NDF : 1091553.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

191.273+/-0.061 χ^2/NDF : 1091553.2/15

asym_bpm0i02WS_mean vs Slug



Right In: 2066.312 $\pm$ 62.193 χ^2 /NDF: 22407.8/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

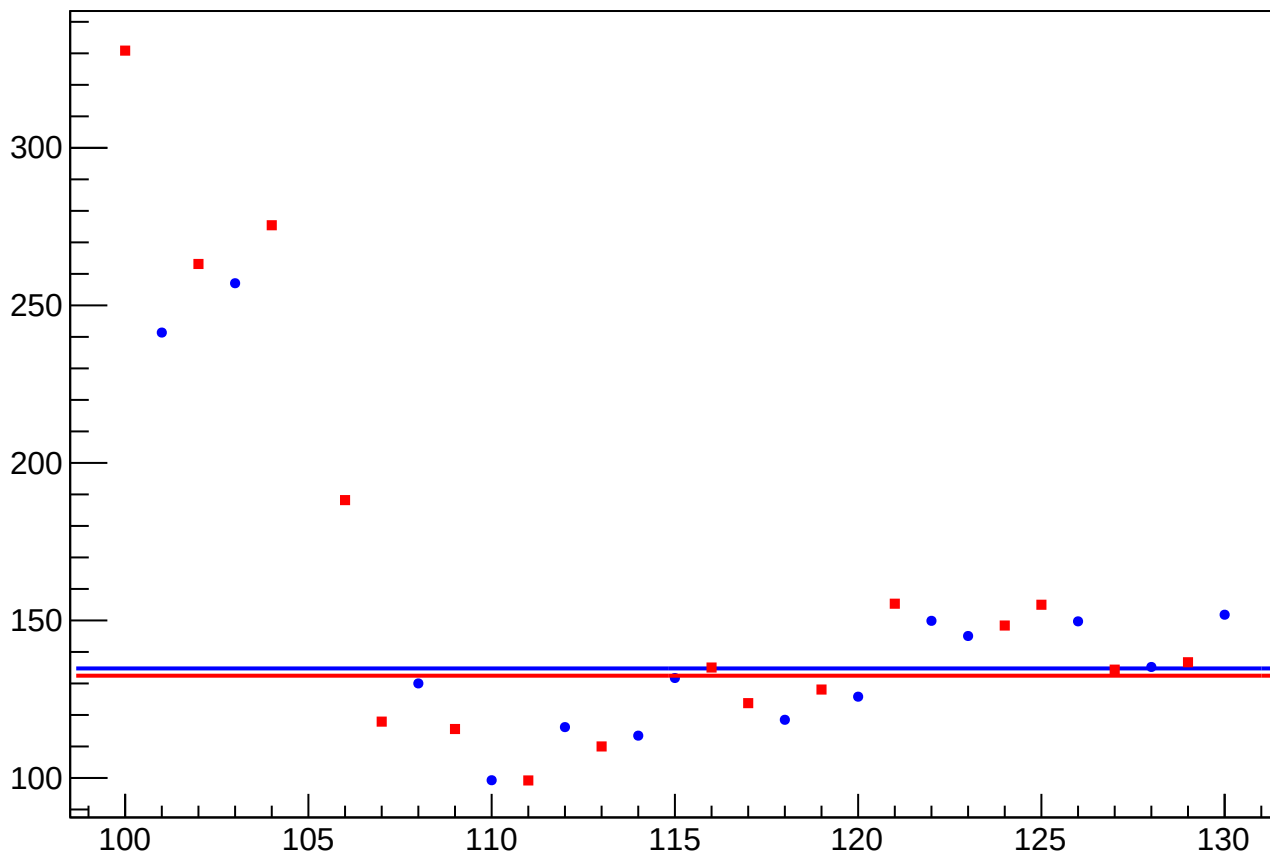
Right Out: 4879.983 $\pm$ 59.065 χ^2 /NDF: 6250.0/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

2066.312 $\pm$ 62.193 χ^2 /NDF: 22407.8/13

4879.983 $\pm$ 59.065 χ^2 /NDF: 6250.0/15

asym_bpm0i02WS_rms vs Slug



Right In: 134.768+/-0.044 χ^2/NDF : 641714.6/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

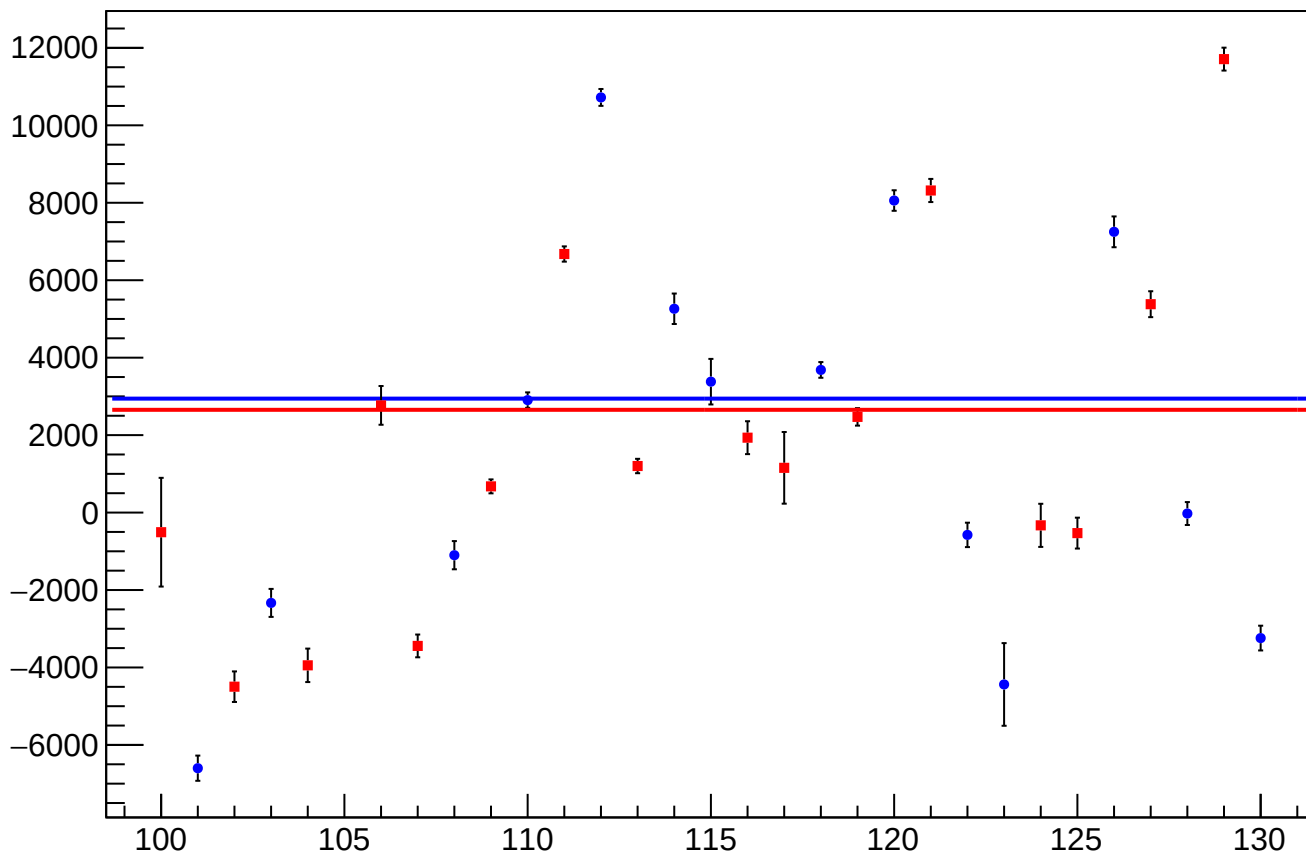
Right Out: 132.464+/-0.042 χ^2/NDF : 798905.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

134.768+/-0.044 χ^2/NDF : 641714.6/13

132.464+/-0.042 χ^2/NDF : 798905.1/15

asym_bpm0i02aWS_mean vs Slug



Right In: 2942.614+/-79.754 χ^2/NDF : 3656.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

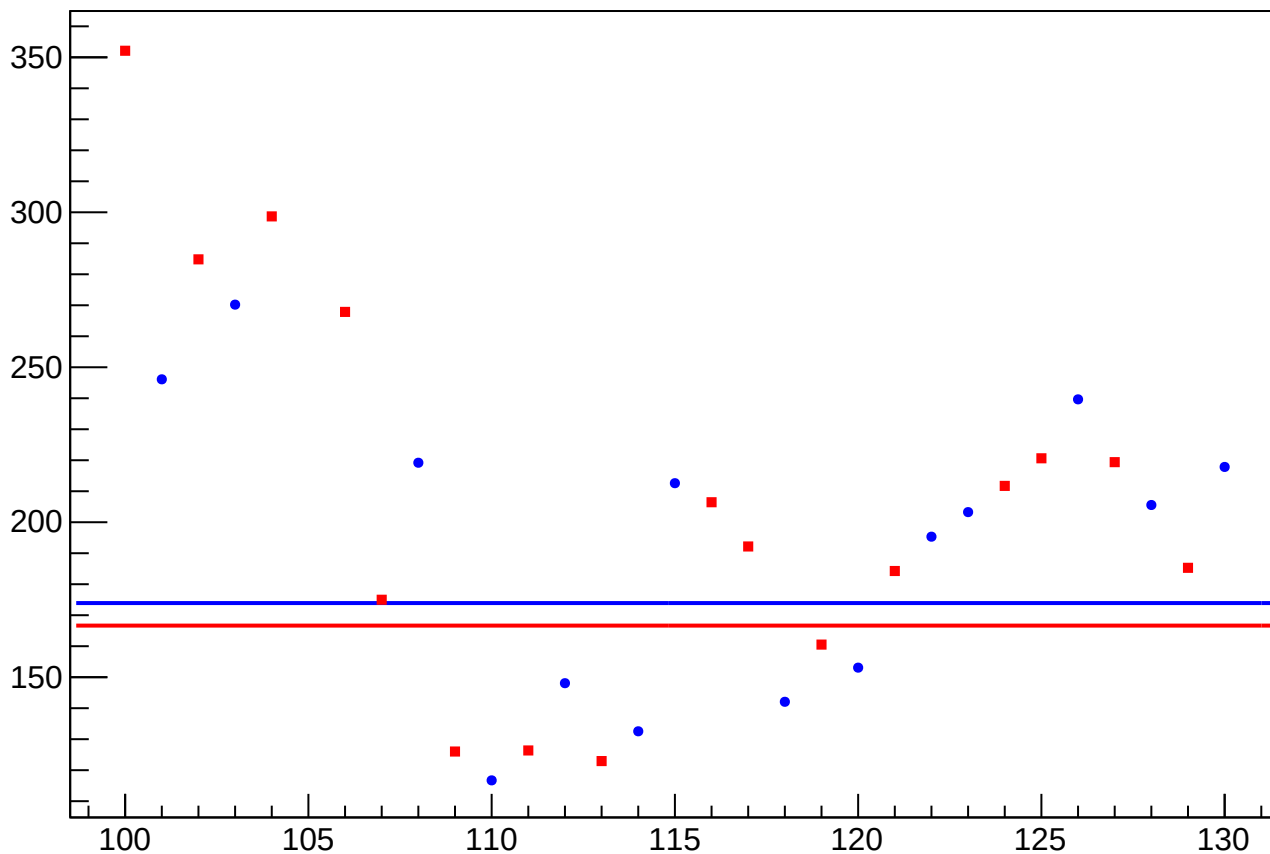
Right Out: 2653.417+/-74.363 χ^2/NDF : 3056.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

2942.614+/-79.754 χ^2/NDF : 3656.2/13

2653.417+/-74.363 χ^2/NDF : 3056.8/15

asym_bpm0i02aWS_rms vs Slug



Right In: 173.920+/-0.056 χ^2/NDF : 682183.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

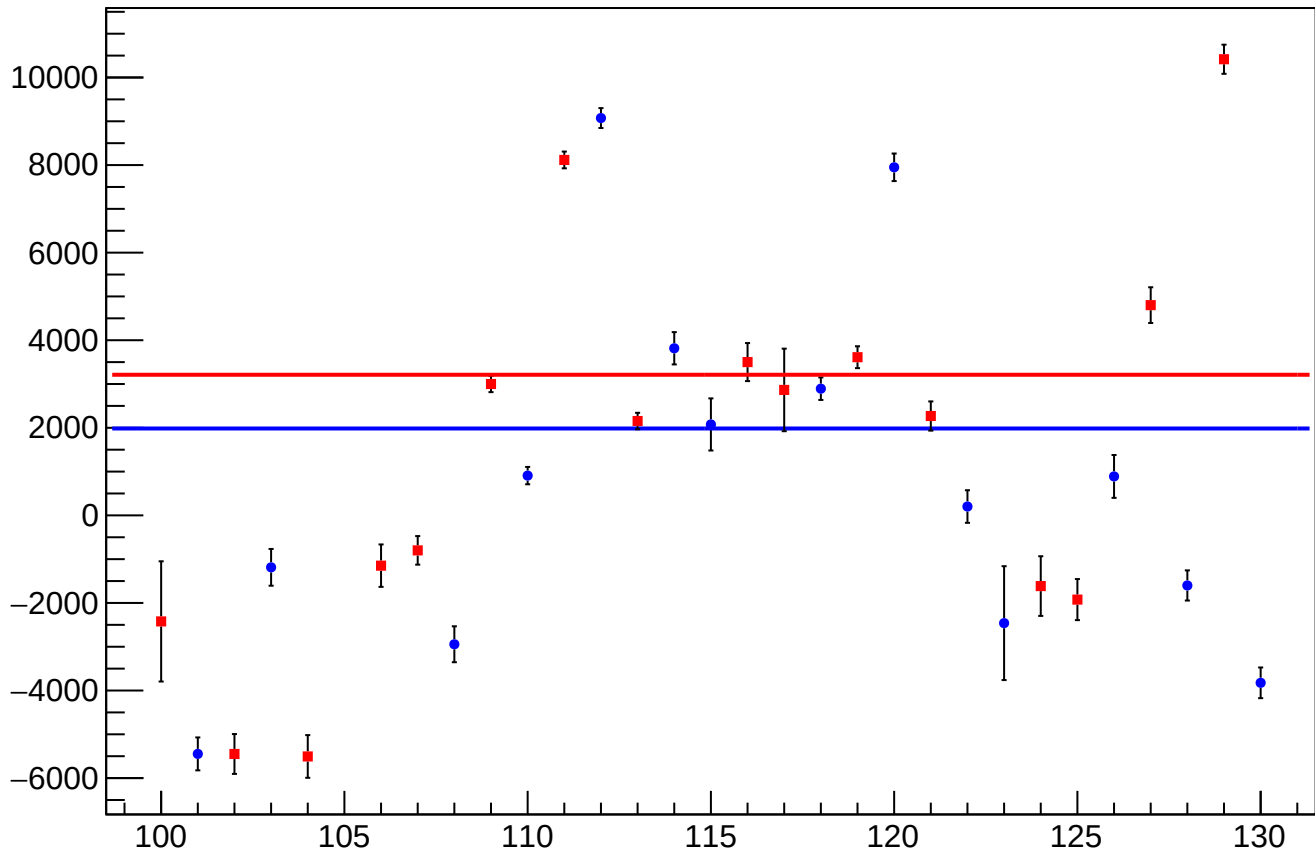
Right Out: 166.650+/-0.053 χ^2/NDF : 915288.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

173.920+/-0.056 χ^2/NDF : 682183.8/13

166.650+/-0.053 χ^2/NDF : 915288.6/15

asym_bpm0i05WS_mean vs Slug



Right In: 1984.095 $\pm$ 88.566 χ^2 /NDF: 2413.8/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

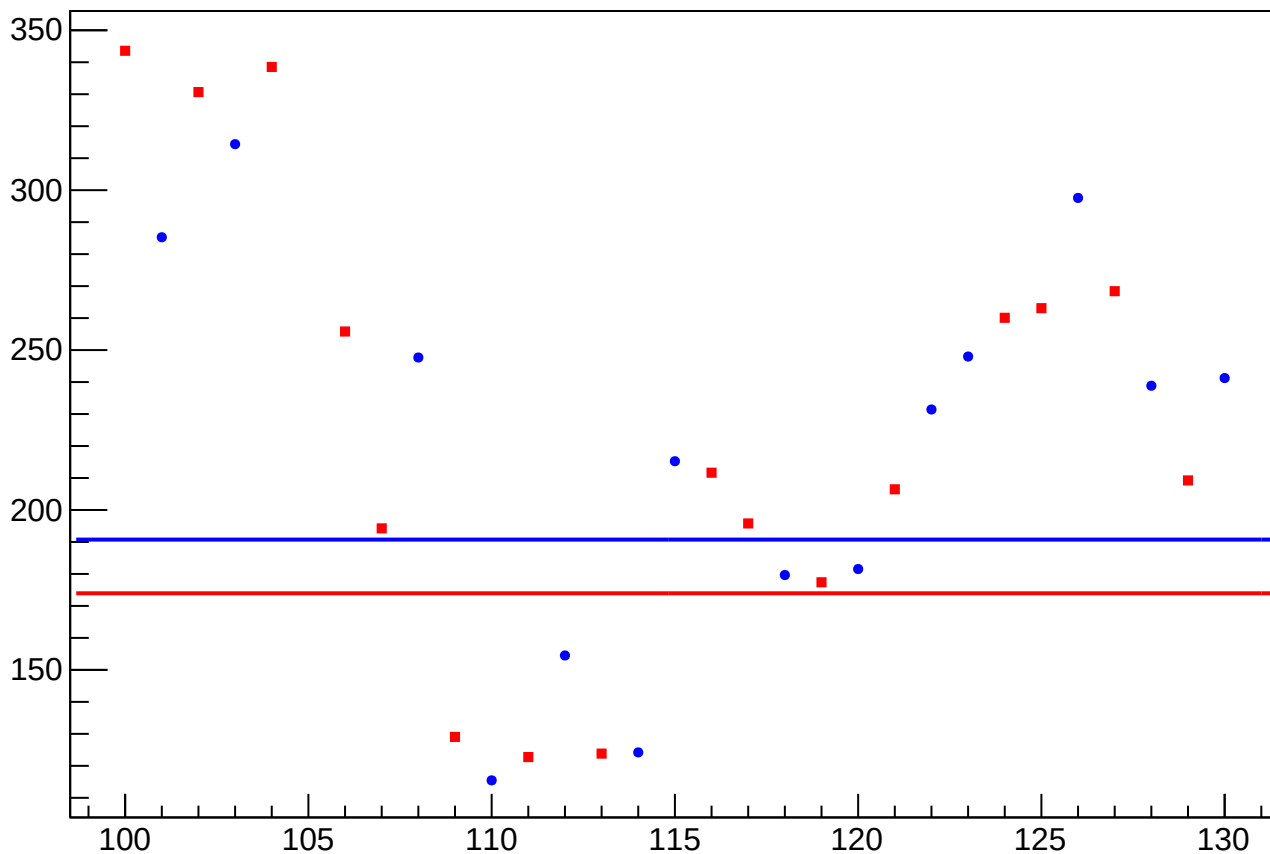
Right Out: 3211.144 $\pm$ 78.768 χ^2 /NDF: 2285.7/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

1984.095 $\pm$ 88.566 χ^2 /NDF: 2413.8/13

3211.144 $\pm$ 78.768 χ^2 /NDF: 2285.7/15

asym_bpm0i05WS_rms vs Slug



Right In: 190.743 $\pm$ 0.063 χ^2 /NDF: 955685.7/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

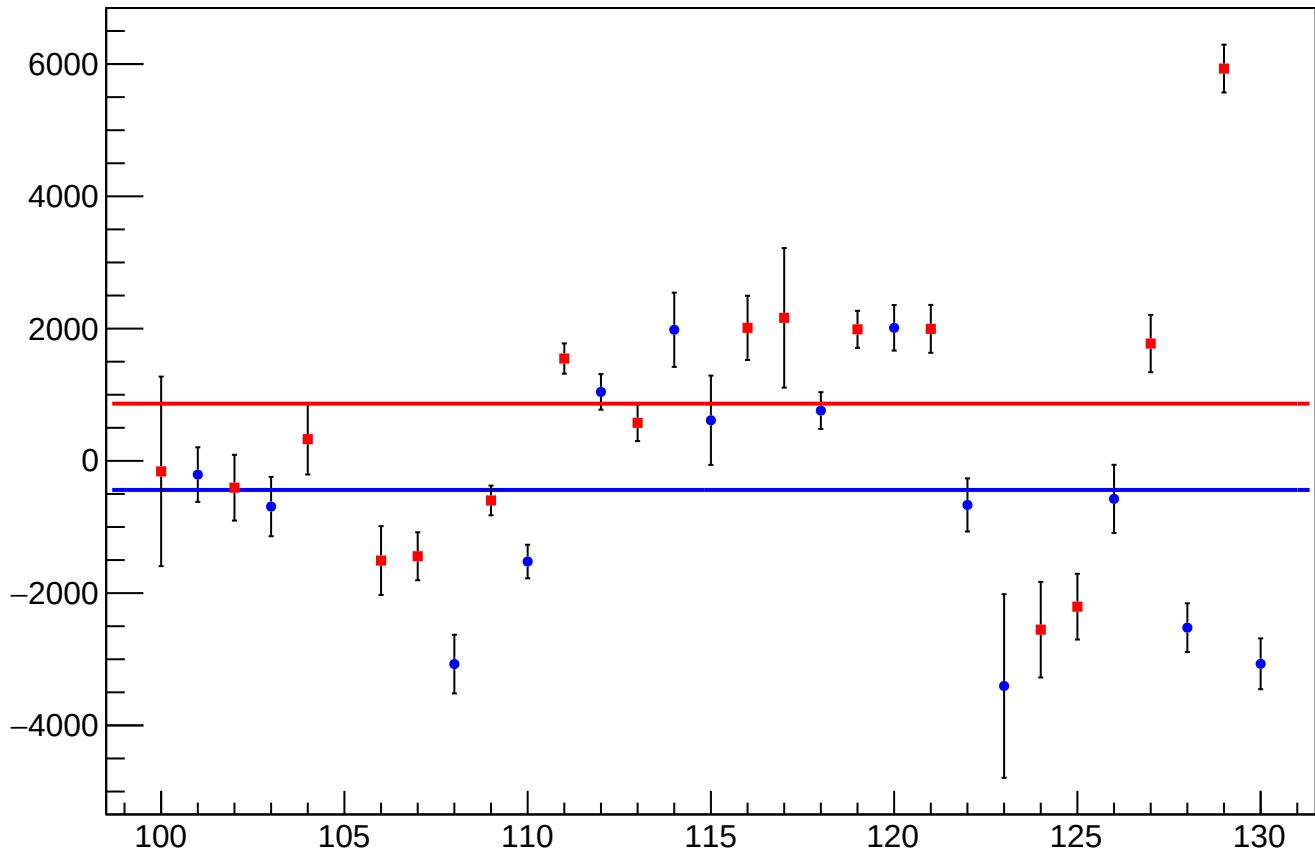
Right Out: 173.954 $\pm$ 0.056 χ^2 /NDF: 1233107.5/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

190.743 $\pm$ 0.063 χ^2 /NDF: 955685.7/13

173.954 $\pm$ 0.056 χ^2 /NDF: 1233107.5/15

asym_bpm0i07WS_mean vs Slug



Right In: -439.408+/-101.723 χ^2 /NDF: 258.7/13

Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

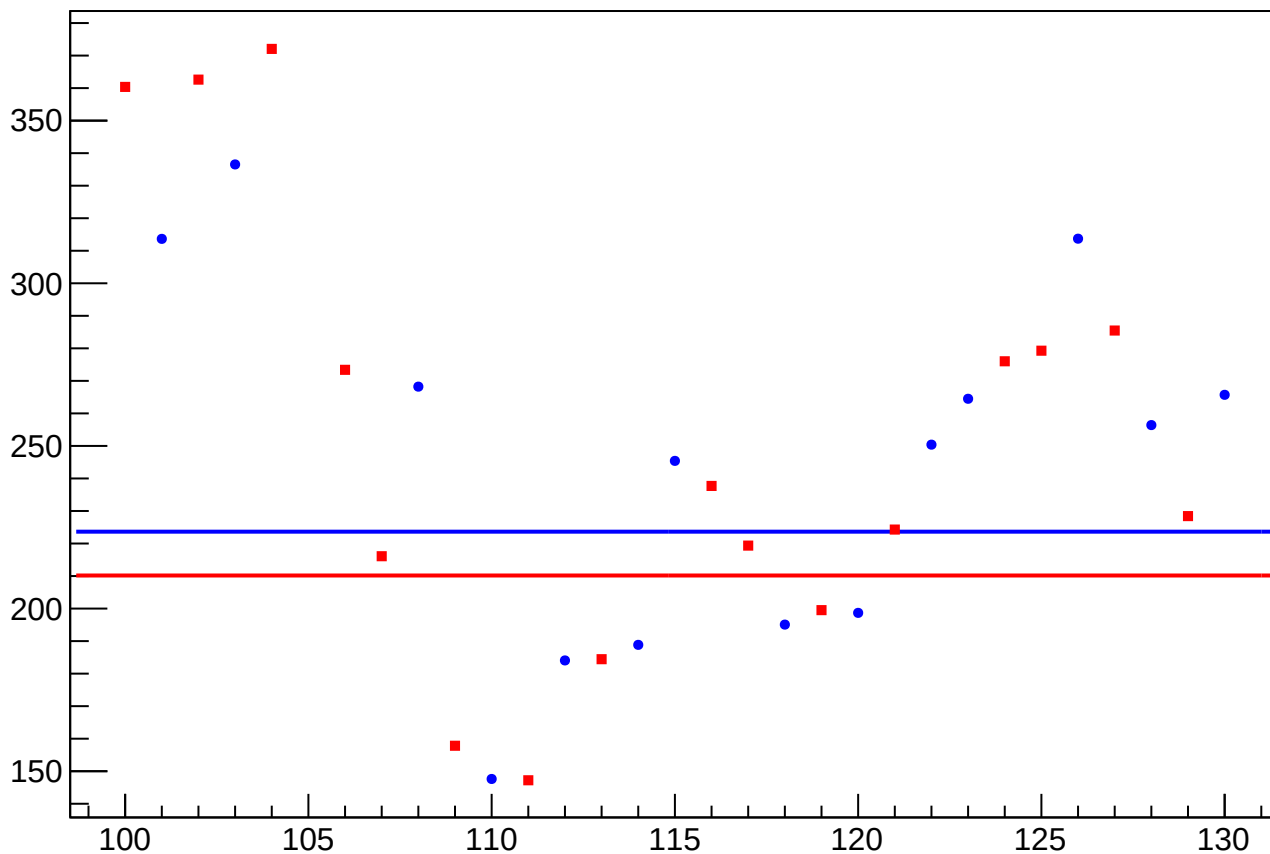
Right Out: 865.188+/-92.935 χ^2 /NDF: 416.2/15

Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

-439.408+/-101.723 χ^2 /NDF: 258.7/13

865.188+/-92.935 χ^2 /NDF: 416.2/15

asym_bpm0i07WS_rms vs Slug



Right In: 223.642 $\pm$ 0.072 χ^2 /NDF: 617412.7/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

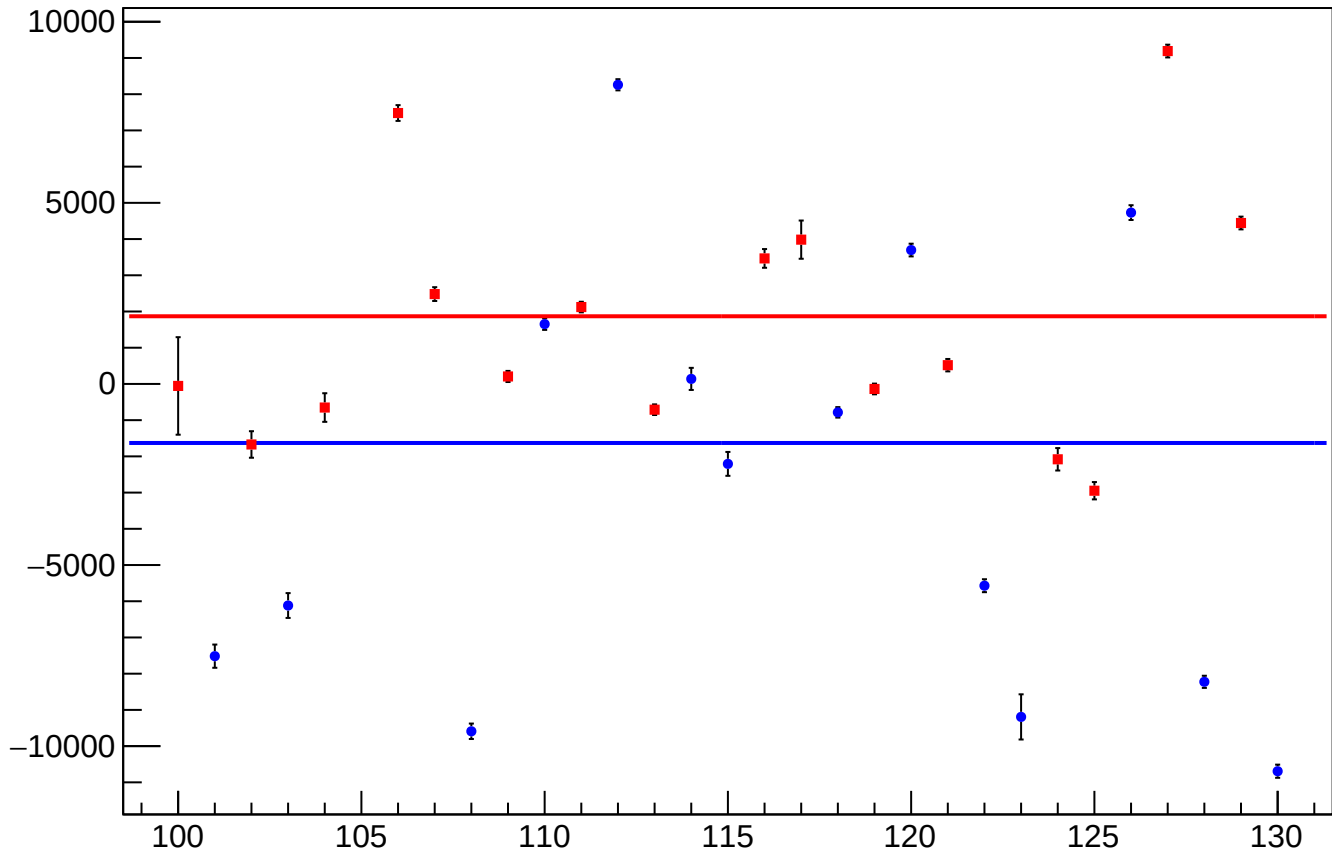
Right Out: 210.170 $\pm$ 0.066 χ^2 /NDF: 834197.0/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

223.642 $\pm$ 0.072 χ^2 /NDF: 617412.7/13

210.170 $\pm$ 0.066 χ^2 /NDF: 834197.0/15

asym_bpm1i02WS_mean vs Slug



Right In: -1629.838 $\pm$ 53.830 χ^2 /NDF: 13047.4/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

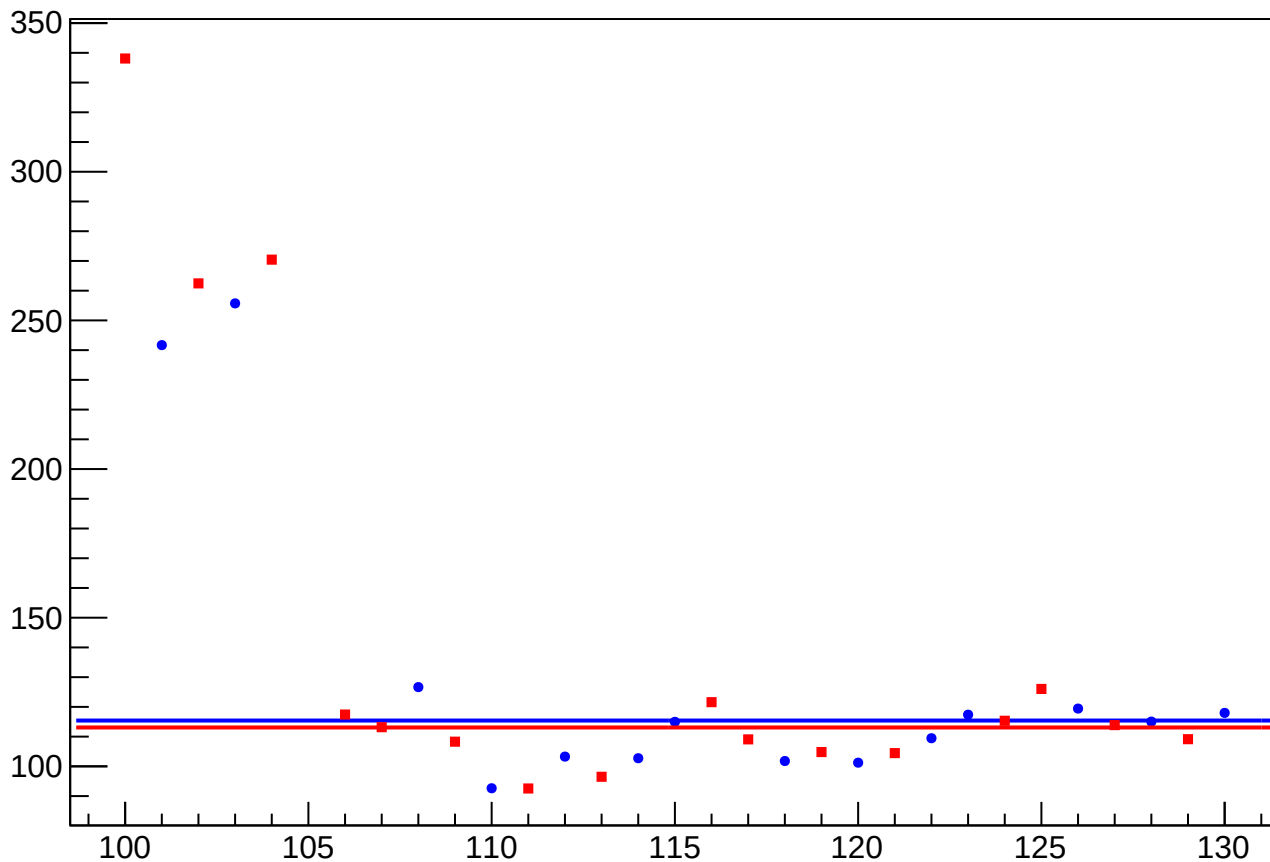
Right Out: 1868.384 $\pm$ 50.688 χ^2 /NDF: 4045.1/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

-1629.838 $\pm$ 53.830 χ^2 /NDF: 13047.4/13

1868.384 $\pm$ 50.688 χ^2 /NDF: 4045.1/15

asym_bpm1i02WS_rms vs Slug



Right In: 115.406 $\pm$ 0.038 χ^2 /NDF: 741374.7/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

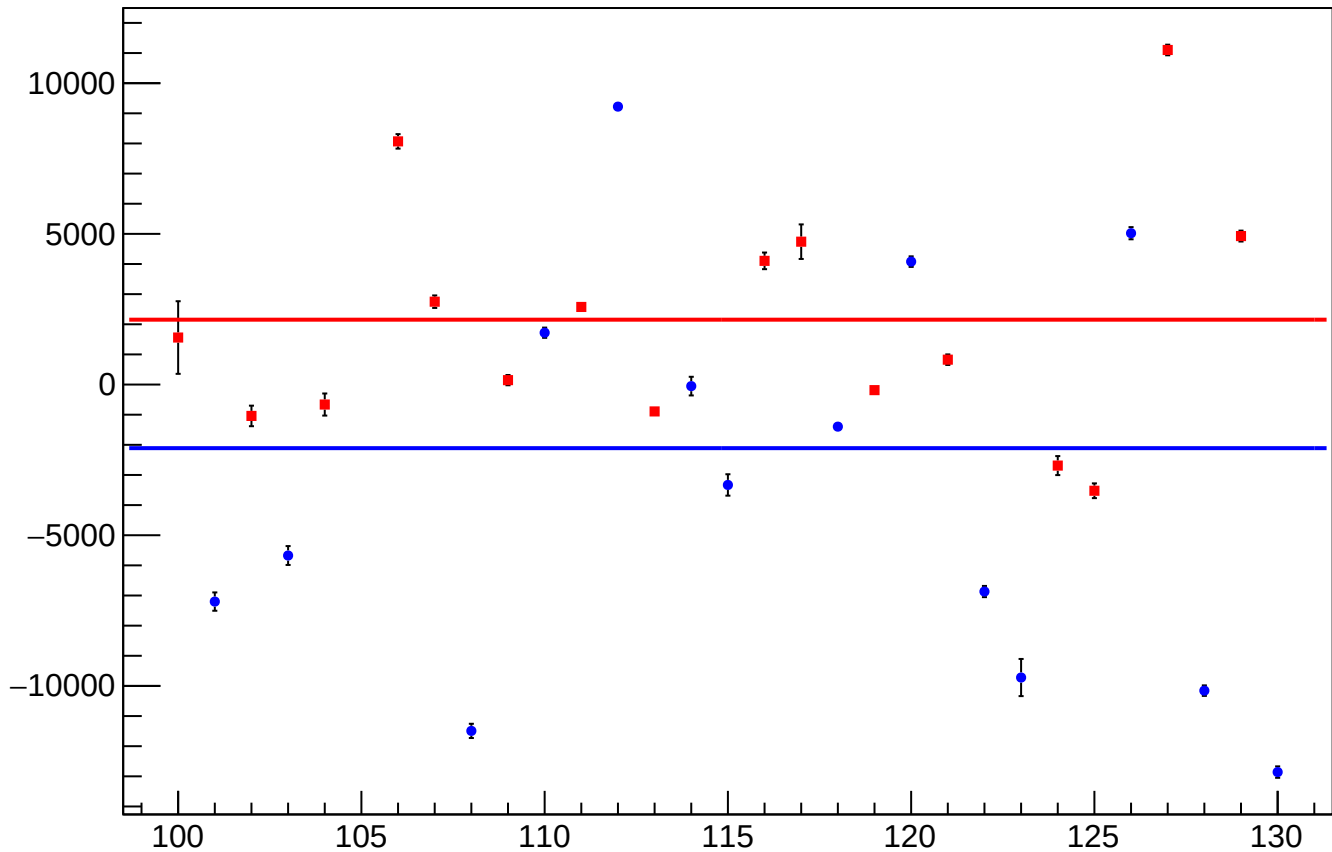
Right Out: 113.072 $\pm$ 0.036 χ^2 /NDF: 794388.0/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

115.406 $\pm$ 0.038 χ^2 /NDF: 741374.7/13

113.072 $\pm$ 0.036 χ^2 /NDF: 794388.0/15

asym_bpm2i01WS_mean vs Slug



Right In: -2110.375+/-55.541 χ^2 /NDF: 16059.2/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

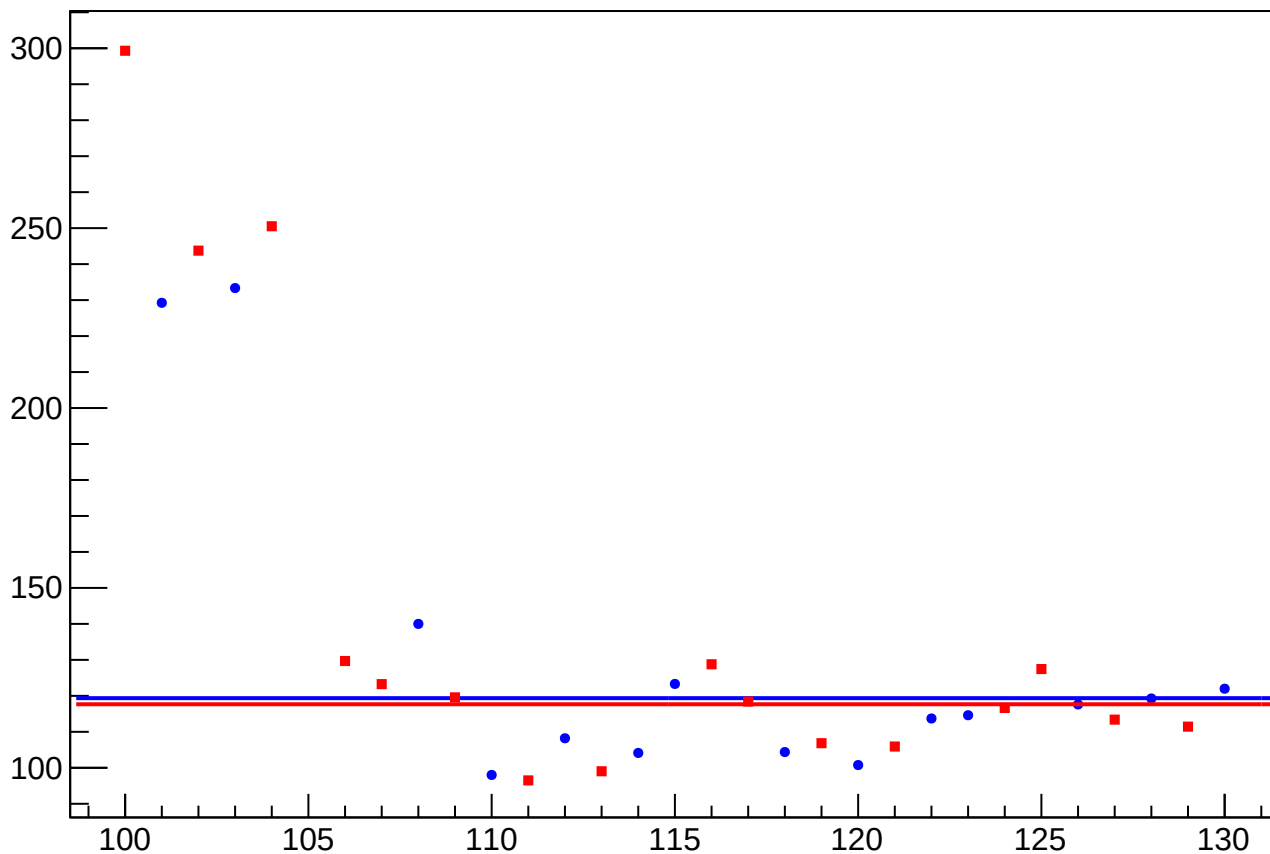
Right Out: 2152.642+/-52.678 χ^2 /NDF: 5263.5/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

-2110.375+/-55.541 χ^2 /NDF: 16059.2/13

2152.642+/-52.678 χ^2 /NDF: 5263.5/15

asym_bpm2i01WS_rms vs Slug



Right In: 119.358+/-0.039 χ^2/NDF : 632609.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

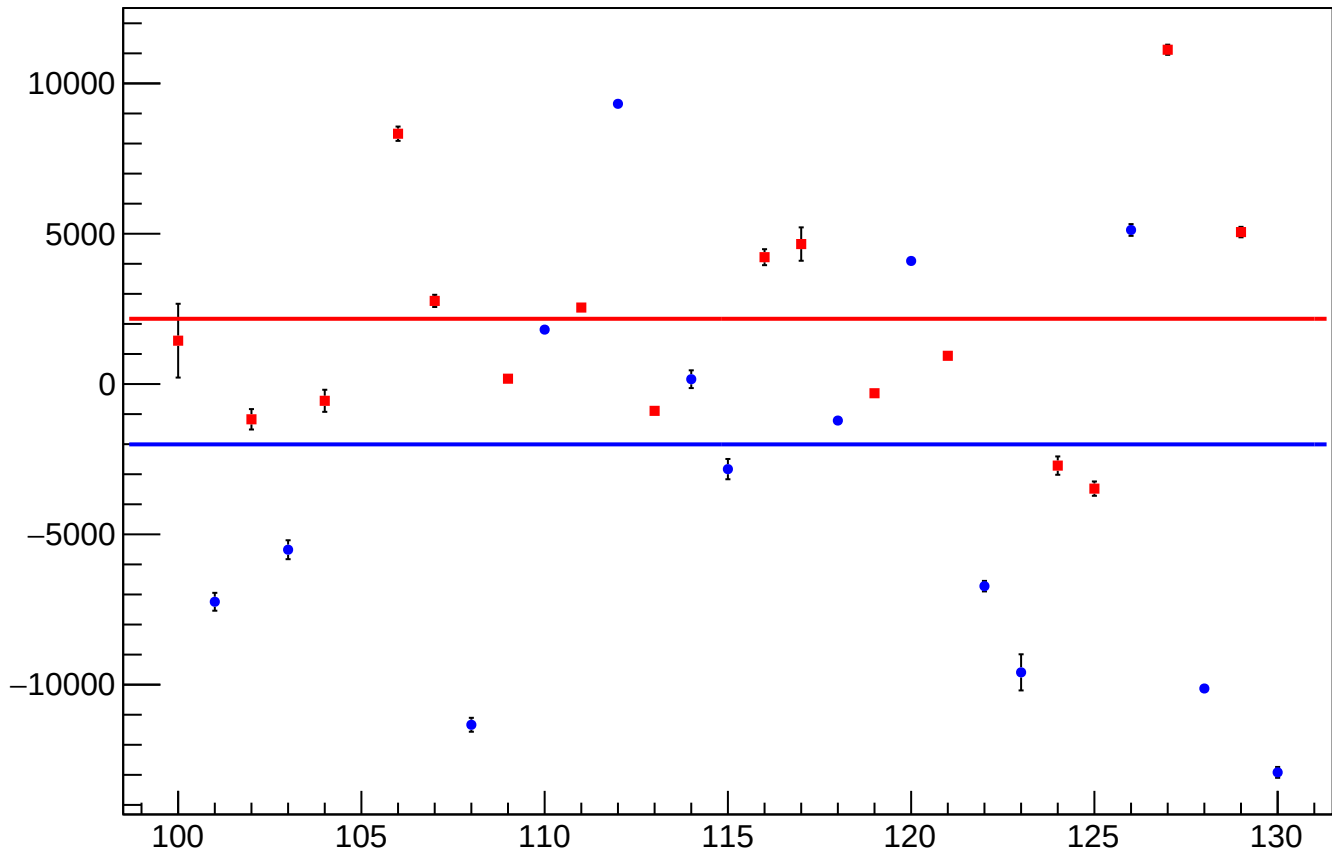
Right Out: 117.661+/-0.037 χ^2/NDF : 686255.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

119.358+/-0.039 χ^2/NDF : 632609.3/13

117.661+/-0.037 χ^2/NDF : 686255.7/15

asym_bpm2i02WS_mean vs Slug



Right In: -2066.895 $\pm$ 53.240 χ^2 /NDF: 17563.5/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

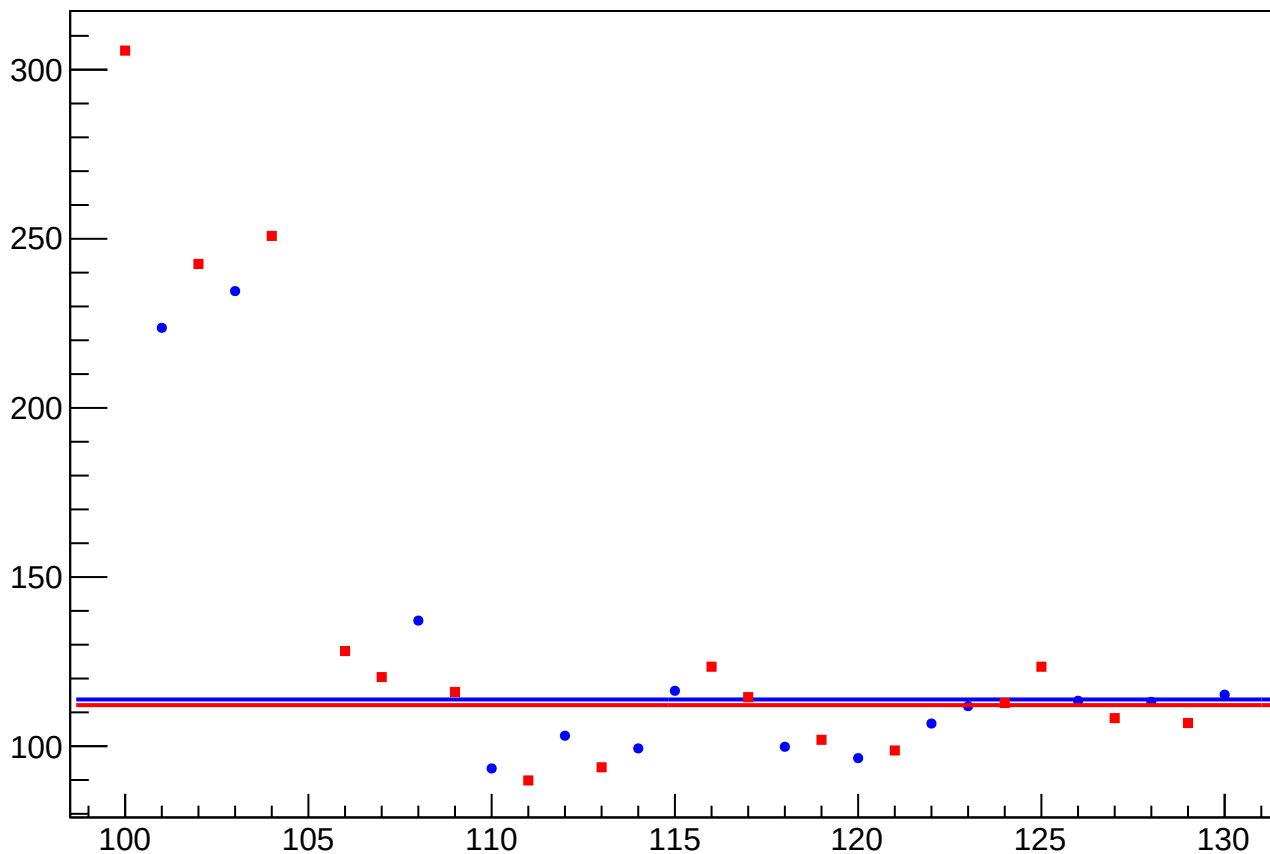
Right Out: 2170.828 $\pm$ 50.498 χ^2 /NDF: 5772.3/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

-2066.895 $\pm$ 53.240 χ^2 /NDF: 17563.5/13

2170.828 $\pm$ 50.498 χ^2 /NDF: 5772.3/15

asym_bpm2i02WS_rms vs Slug



Right In: 113.812 $\pm$ 0.038 χ^2 /NDF: 678001.7/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

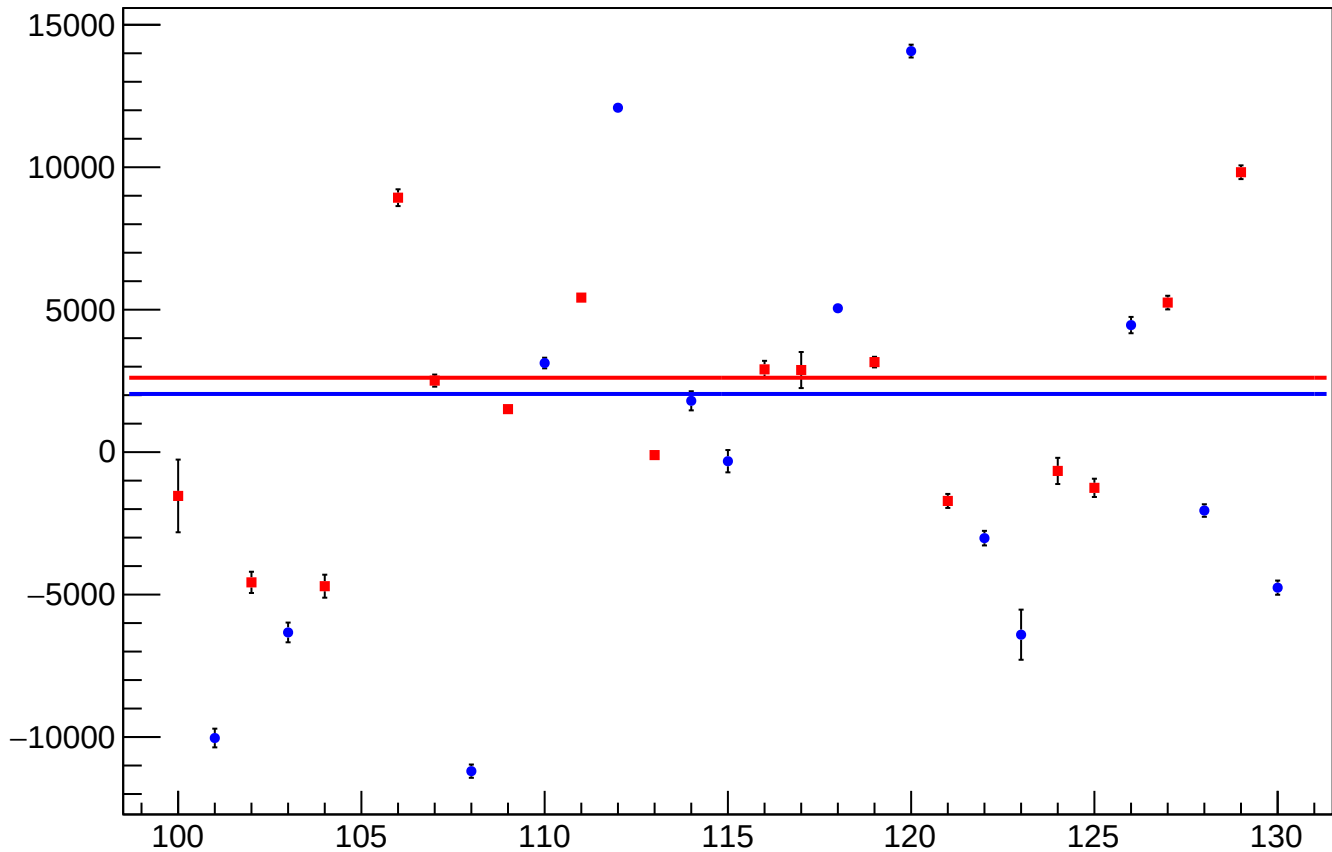
Right Out: 112.136 $\pm$ 0.036 χ^2 /NDF: 759929.7/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

113.812 $\pm$ 0.038 χ^2 /NDF: 678001.7/13

112.136 $\pm$ 0.036 χ^2 /NDF: 759929.7/15

asym_bpm0i01WS_mean vs Slug



Right In: 2042.029+/-65.810 χ^2/NDF : 13324.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

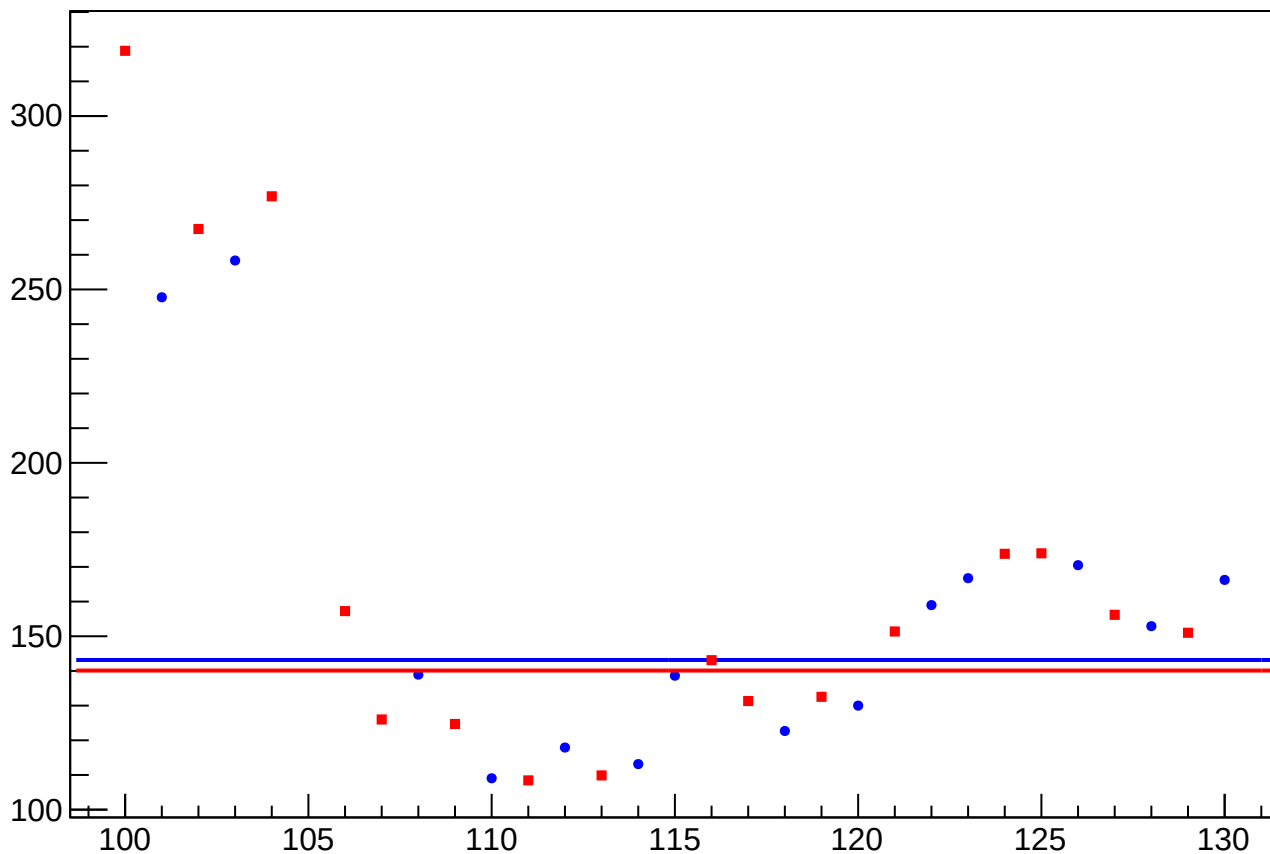
Right Out: 2611.415+/-62.168 χ^2/NDF : 3280.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

2042.029+/-65.810 χ^2/NDF : 13324.7/13

2611.415+/-62.168 χ^2/NDF : 3280.0/15

asym_bpm0i01WS_rms vs Slug



Right In: 143.161+/-0.047 χ^2/NDF : 632137.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

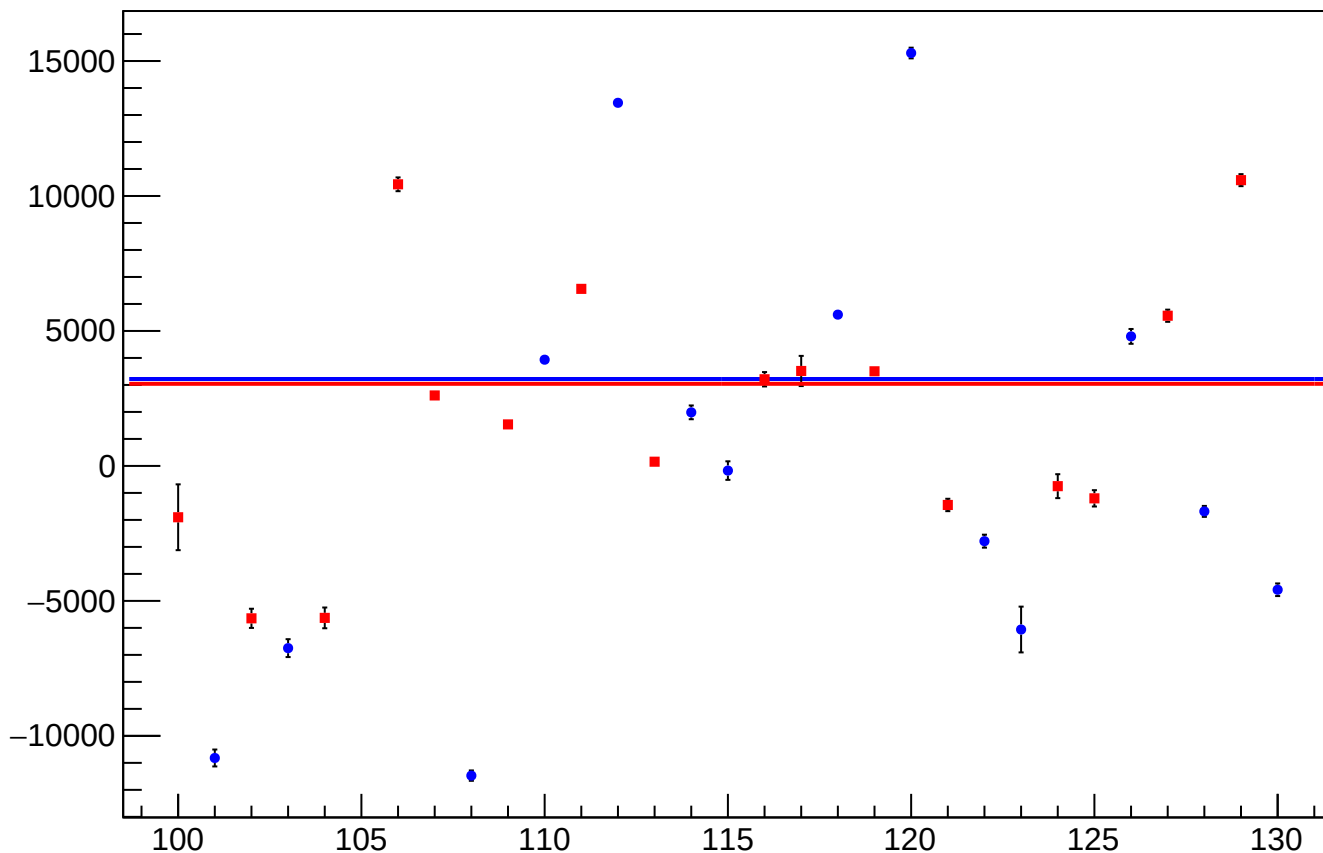
Right Out: 140.107+/-0.044 χ^2/NDF : 722505.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

143.161+/-0.047 χ^2/NDF : 632137.2/13

140.107+/-0.044 χ^2/NDF : 722505.5/15

asym_bpm0i01aWS_mean vs Slug



Right In: 3220.102+/-55.264 χ^2/NDF : 21307.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

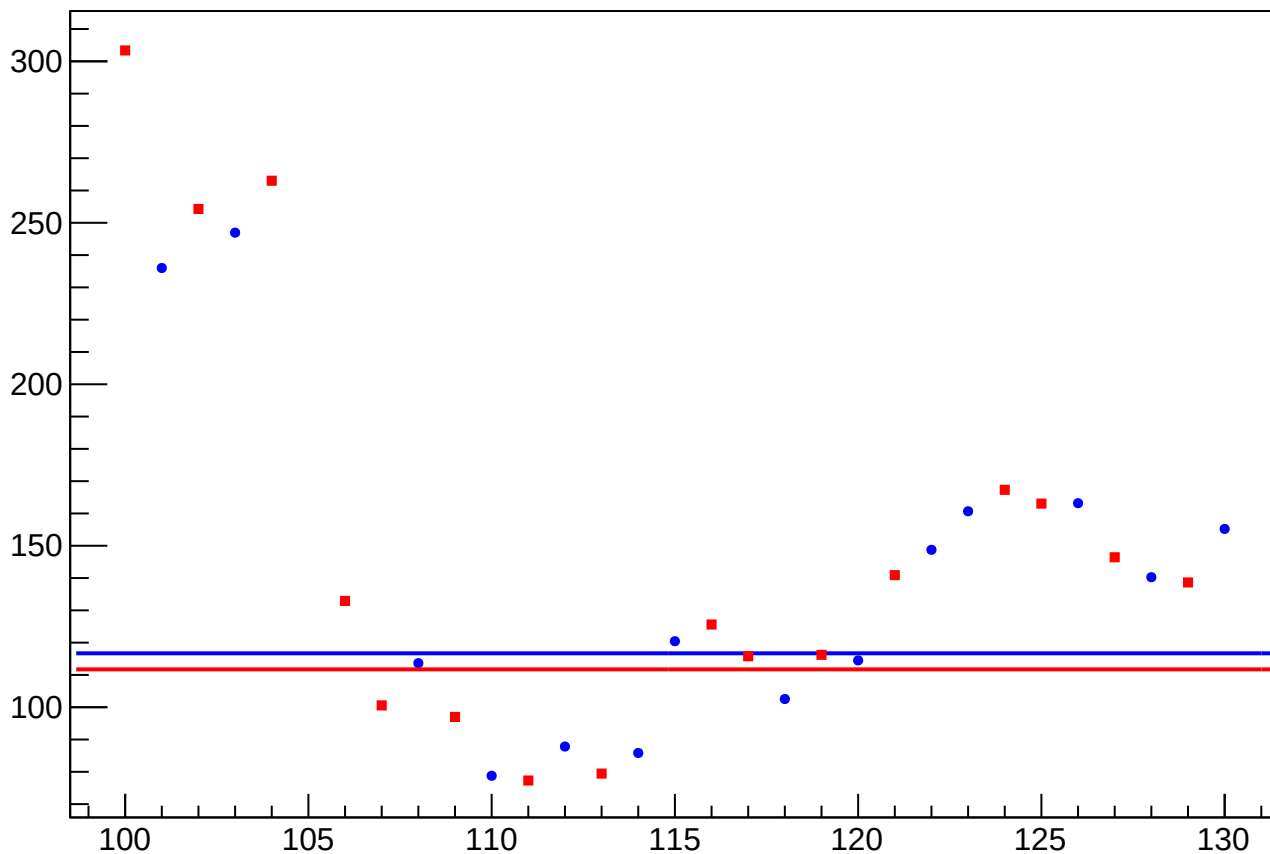
Right Out: 3042.120+/-51.225 χ^2/NDF : 5407.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

3220.102+/-55.264 χ^2/NDF : 21307.7/13

3042.120+/-51.225 χ^2/NDF : 5407.4/15

asym_bpm0i01aWS_rms vs Slug



Right In: 116.695 $\pm$ 0.039 χ^2 /NDF: 1076130.3/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

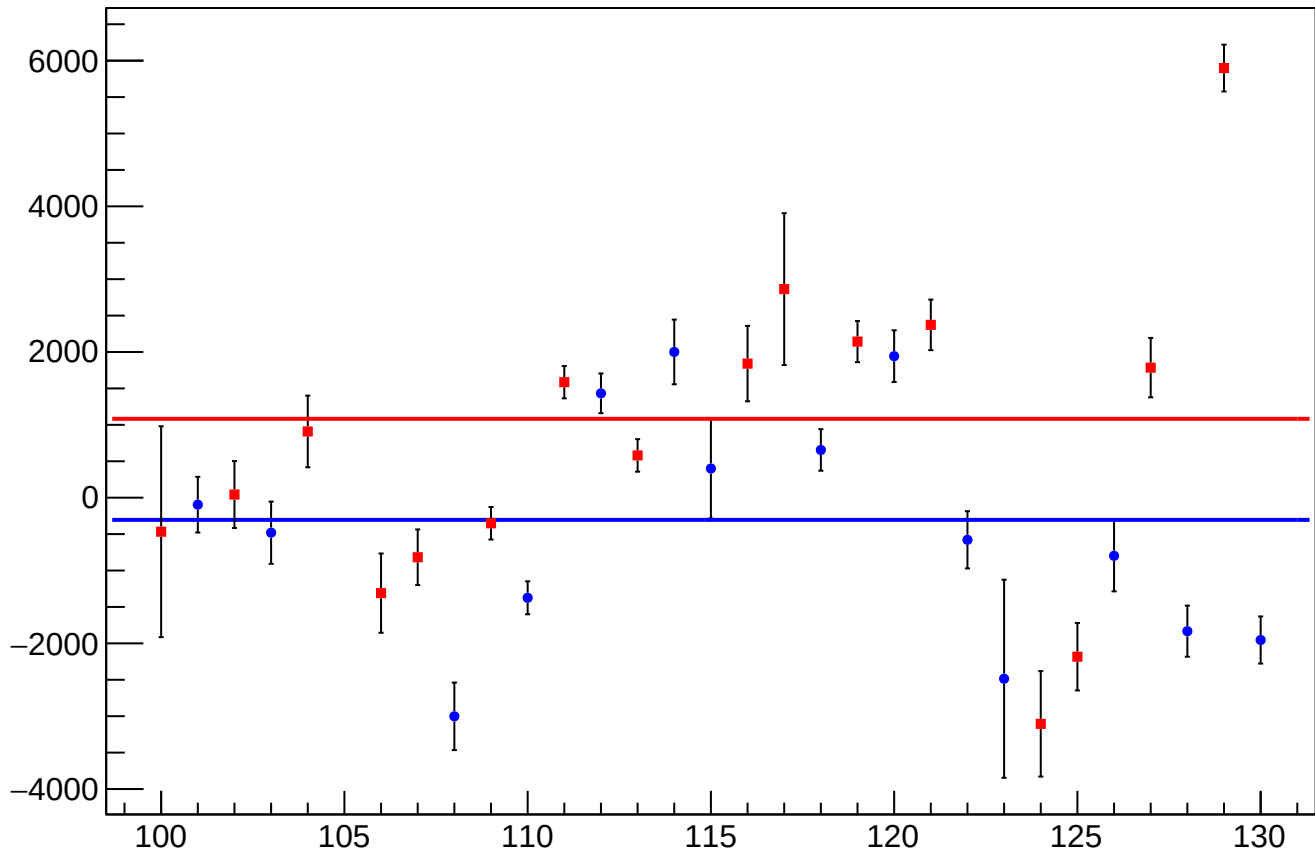
Right Out: 111.722 $\pm$ 0.036 χ^2 /NDF: 1229282.9/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

116.695 $\pm$ 0.039 χ^2 /NDF: 1076130.3/13

111.722 $\pm$ 0.036 χ^2 /NDF: 1229282.9/15

asym_bpm0l01WS_mean vs Slug



Right In: -304.397+/-97.009 χ^2/NDF : 225.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

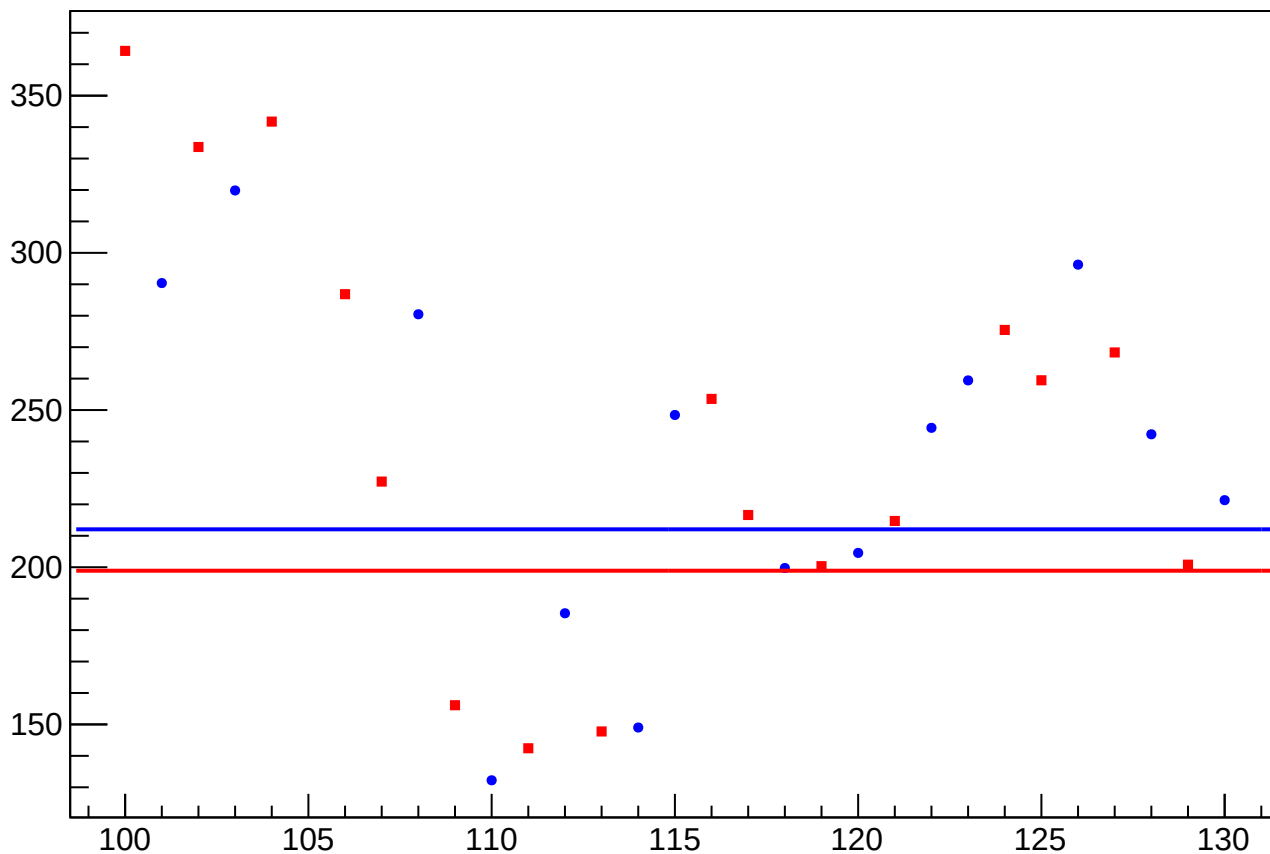
Right Out: 1083.108+/-88.444 χ^2/NDF : 446.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-304.397+/-97.009 χ^2/NDF : 225.8/13

1083.108+/-88.444 χ^2/NDF : 446.0/15

asym_bpm0l01WS_rms vs Slug



Right In: 212.054+/-0.069 χ^2/NDF : 665333.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

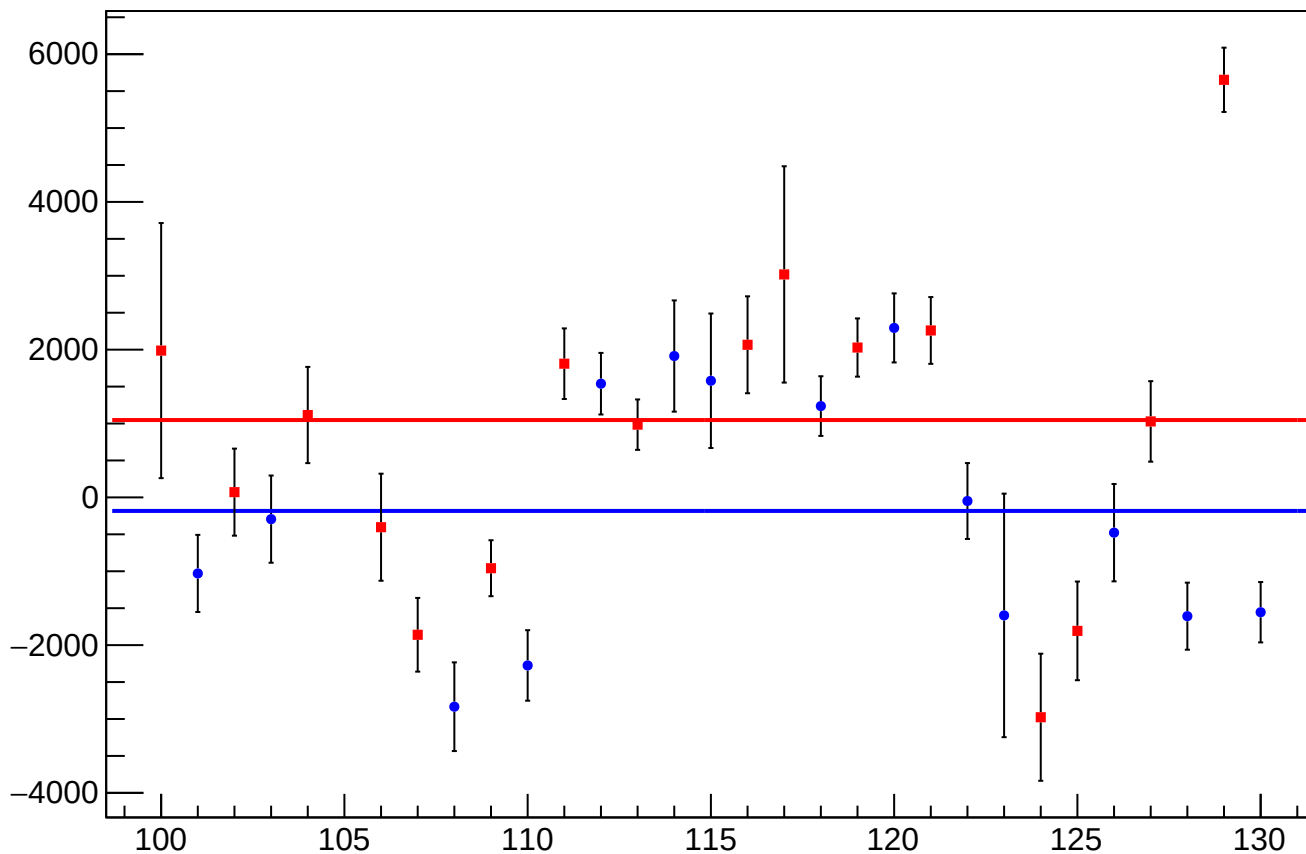
Right Out: 198.891+/-0.063 χ^2/NDF : 880420.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

212.054+/-0.069 χ^2/NDF : 665333.2/13

198.891+/-0.063 χ^2/NDF : 880420.4/15

asym_bpm0l02WS_mean vs Slug



Right In: -183.244+/-140.810 χ^2/NDF : 132.5/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

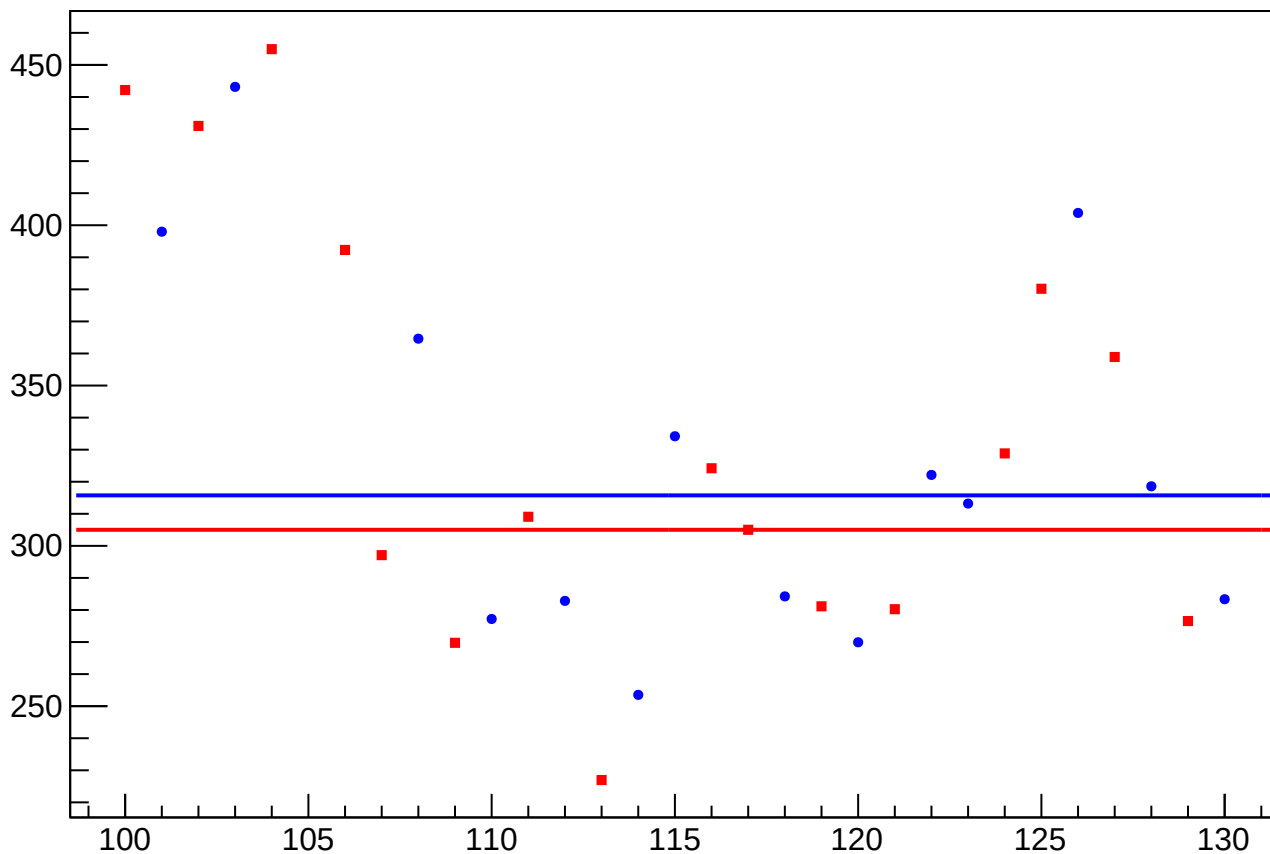
Right Out: 1047.109+/-131.537 χ^2/NDF : 241.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-183.244+/-140.810 χ^2/NDF : 132.5/13

1047.109+/-131.537 χ^2/NDF : 241.5/15

asym_bpm0l02WS_rms vs Slug



Right In: 315.744+/-0.100 χ^2/NDF : 276103.5/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

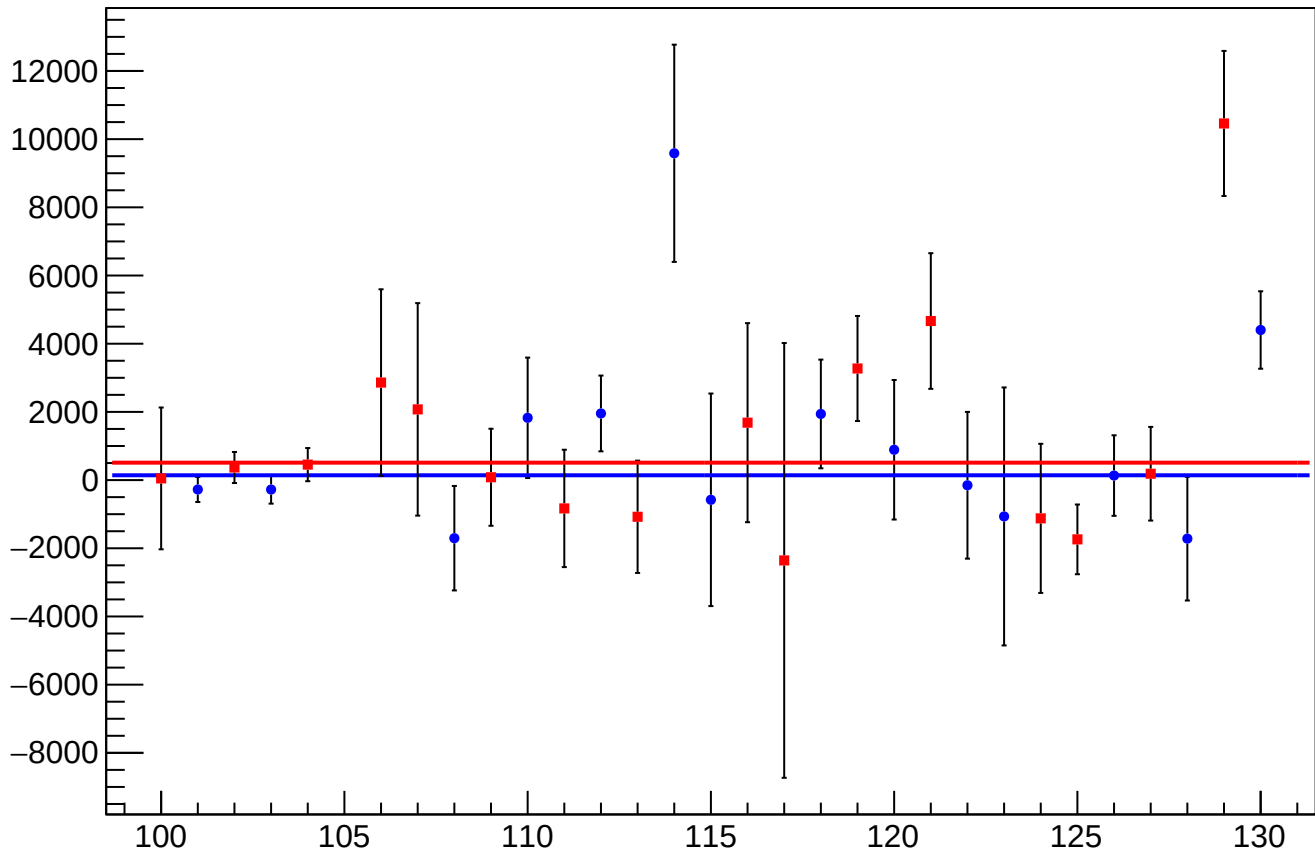
Right Out: 305.012+/-0.093 χ^2/NDF : 431663.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

315.744+/-0.100 χ^2/NDF : 276103.5/13

305.012+/-0.093 χ^2/NDF : 431663.2/15

asym_bpm0l03WS_mean vs Slug



Right In: 141.212+/-237.311 χ^2/NDF : 32.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

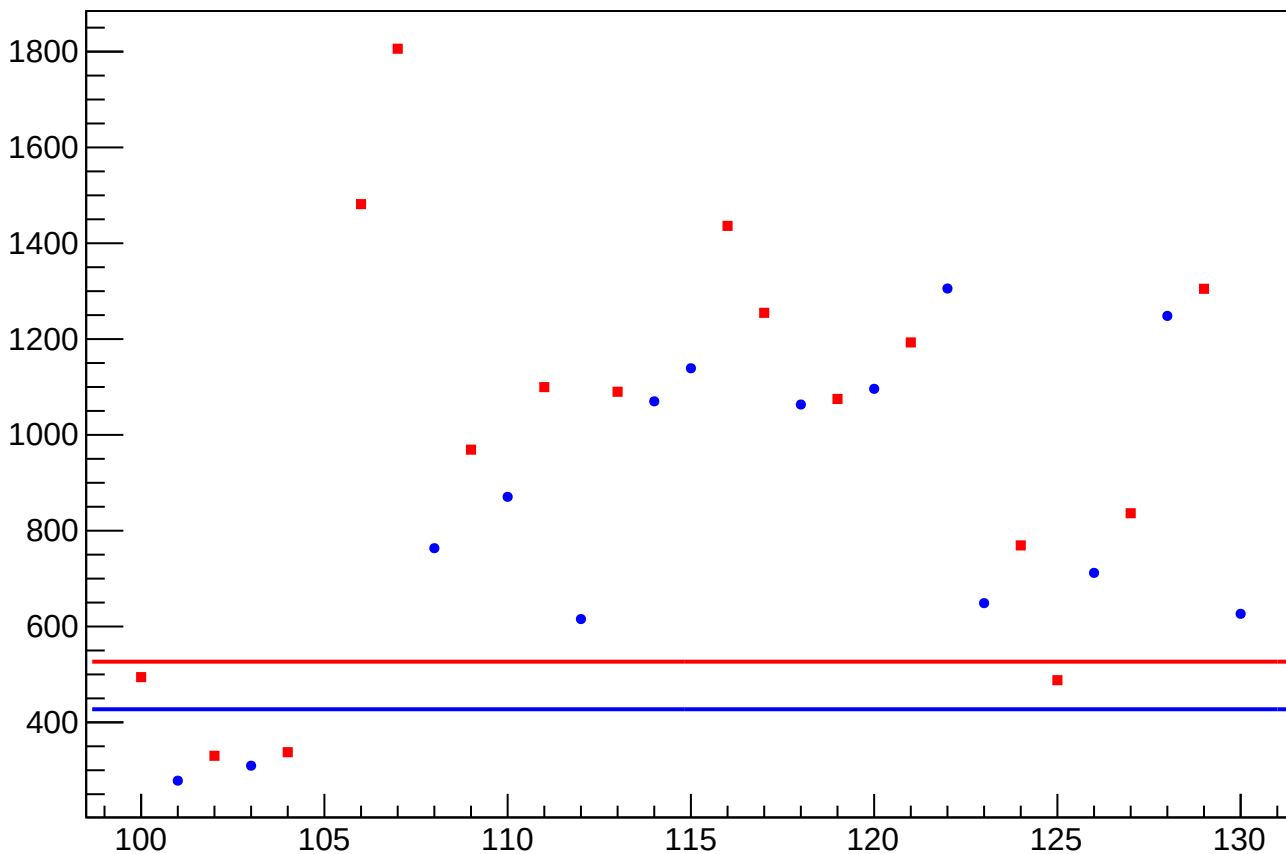
Right Out: 511.473+/-272.719 χ^2/NDF : 38.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

141.212+/-237.311 χ^2/NDF : 32.8/13

511.473+/-272.719 χ^2/NDF : 38.0/15

asym_bpm0l03WS_rms vs Slug



Right In: 427.310+/-0.168 χ^2/NDF : 2417698.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

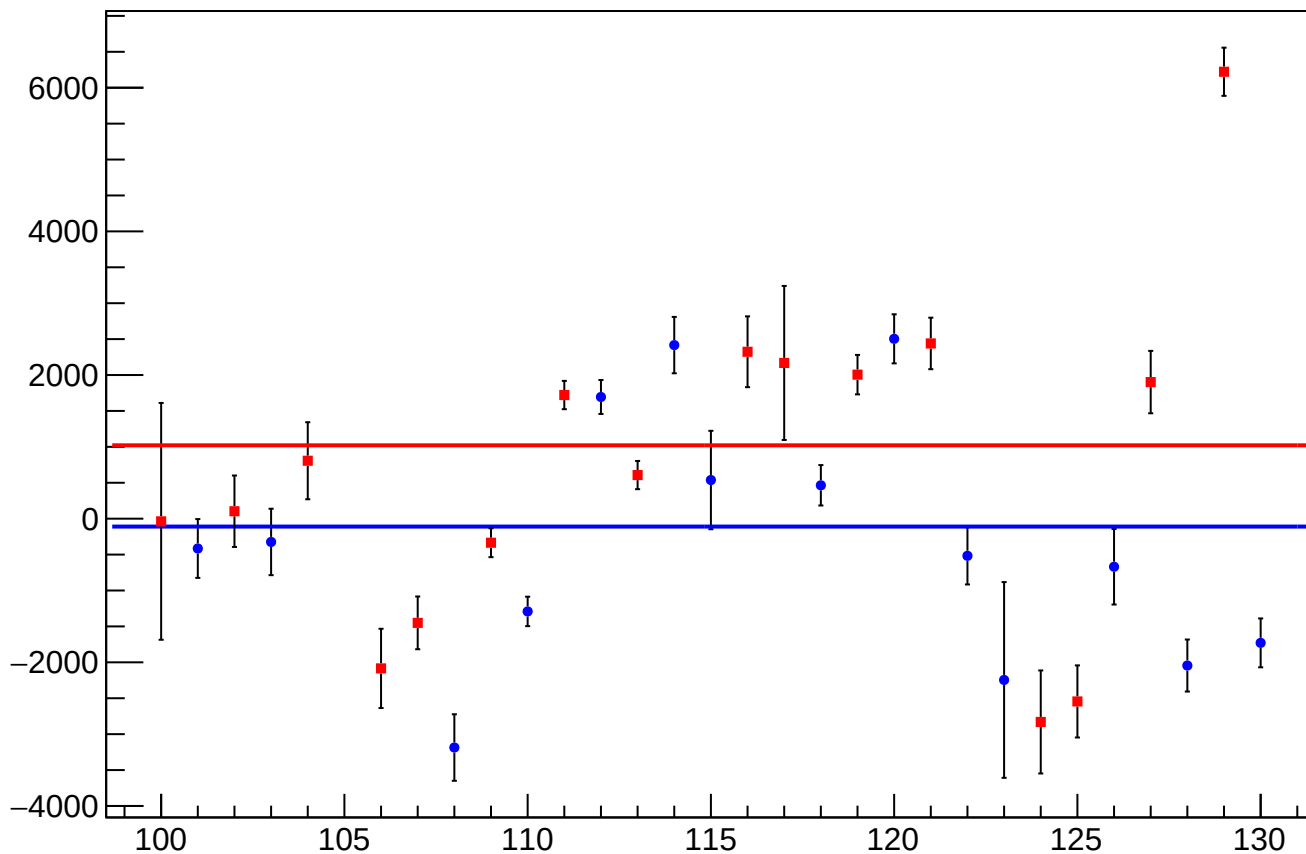
Right Out: 526.644+/-0.193 χ^2/NDF : 2998803.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

427.310+/-0.168 χ^2/NDF : 2417698.3/13

526.644+/-0.193 χ^2/NDF : 2998803.1/15

asym_bpm0l04WS_mean vs Slug



Right In: -109.979+/-93.841 χ^2/NDF : 297.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

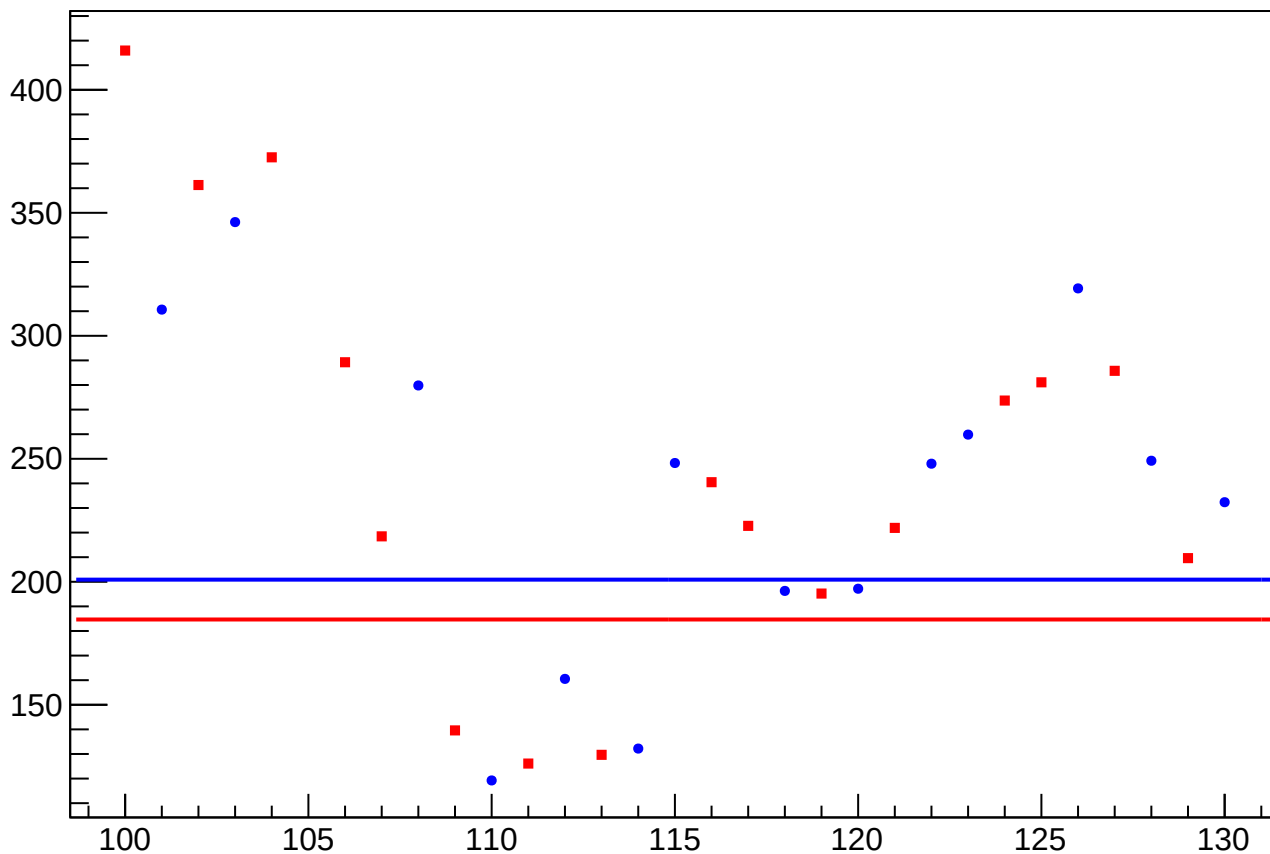
Right Out: 1021.448+/-84.174 χ^2/NDF : 504.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-109.979+/-93.841 χ^2/NDF : 297.3/13

1021.448+/-84.174 χ^2/NDF : 504.0/15

asym_bpm0l04WS_rms vs Slug



Right In: 200.873+/-0.066 χ^2/NDF : 1032587.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

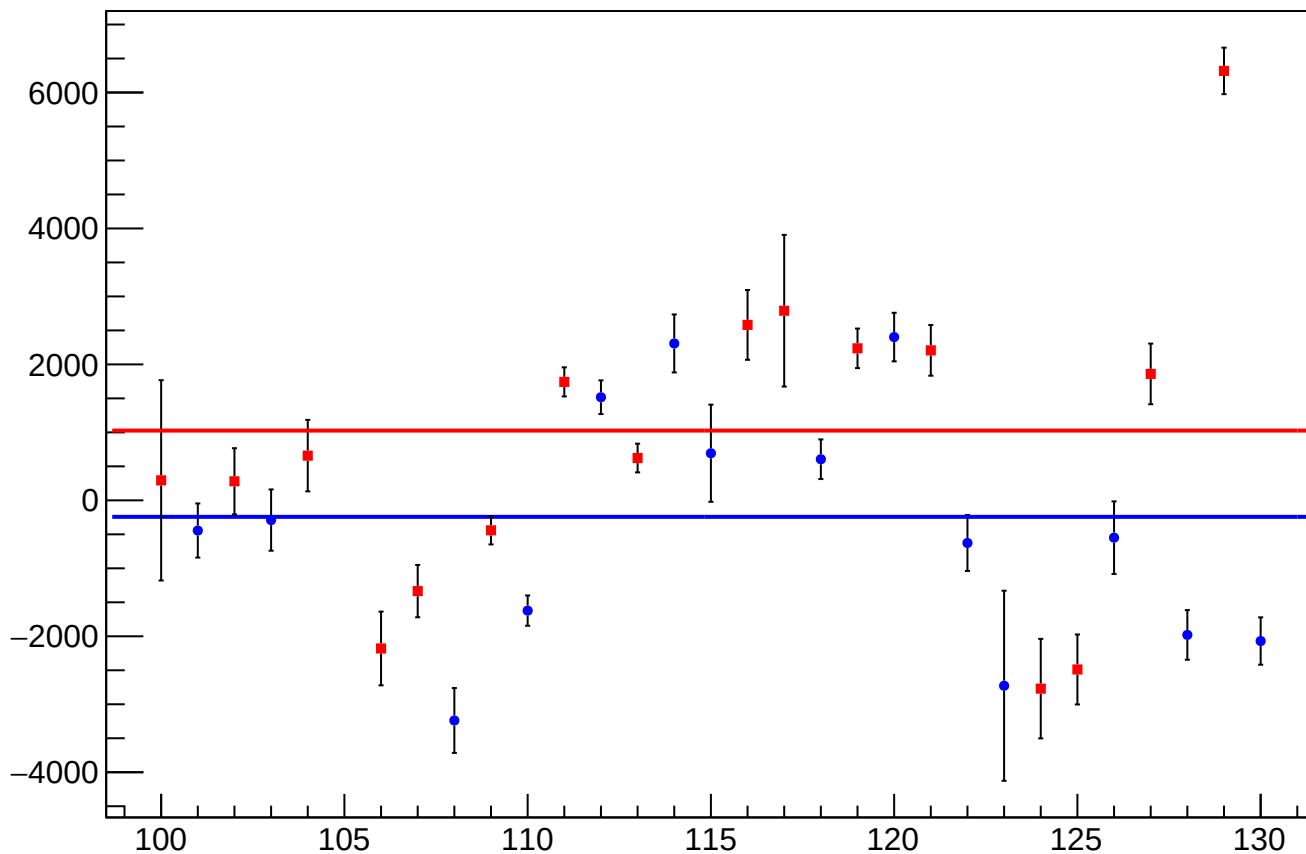
Right Out: 184.673+/-0.060 χ^2/NDF : 1336667.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

200.873+/-0.066 χ^2/NDF : 1032587.8/13

184.673+/-0.060 χ^2/NDF : 1336667.6/15

asym_bpm0l05WS_mean vs Slug



Right In: -242.678+/-97.706 χ^2/NDF : 283.6/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

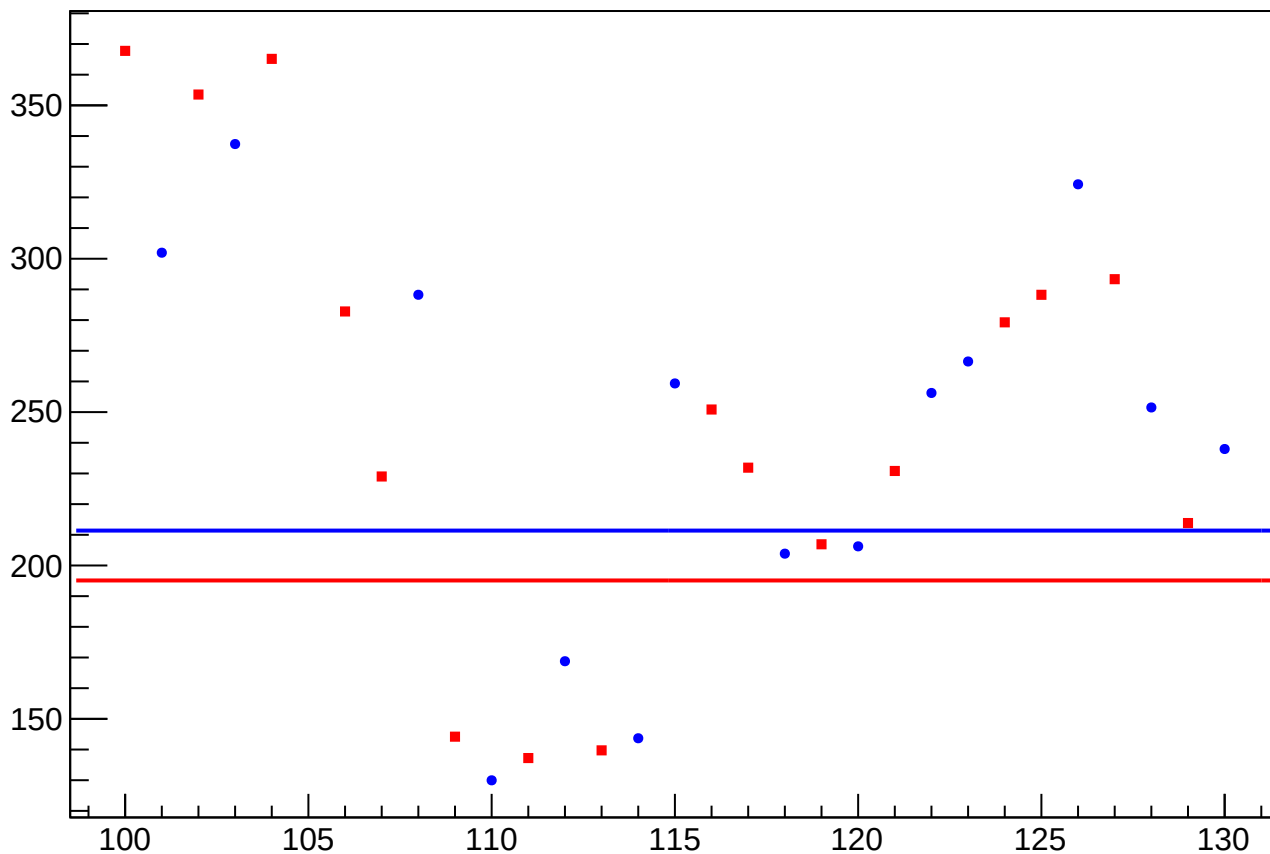
Right Out: 1026.402+/-88.121 χ^2/NDF : 496.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-242.678+/-97.706 χ^2/NDF : 283.6/13

1026.402+/-88.121 χ^2/NDF : 496.2/15

asym_bpm0l05WS_rms vs Slug



Right In: 211.377+/-0.069 χ^2/NDF : 851147.6/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

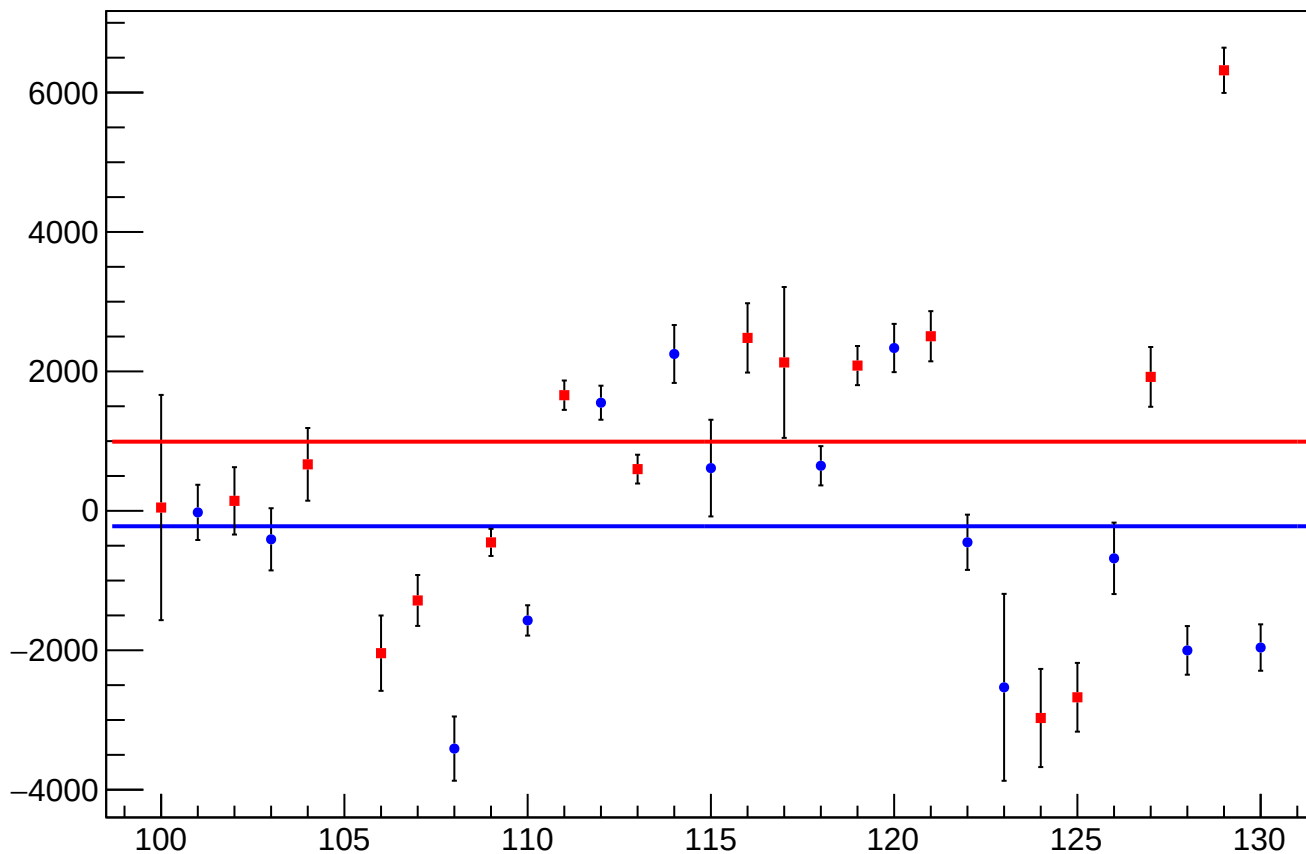
Right Out: 195.117+/-0.062 χ^2/NDF : 1162989.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

211.377+/-0.069 χ^2/NDF : 851147.6/13

195.117+/-0.062 χ^2/NDF : 1162989.2/15

asym_bpm0l06WS_mean vs Slug



Right In: -221.187+/-94.984 χ^2/NDF : 298.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

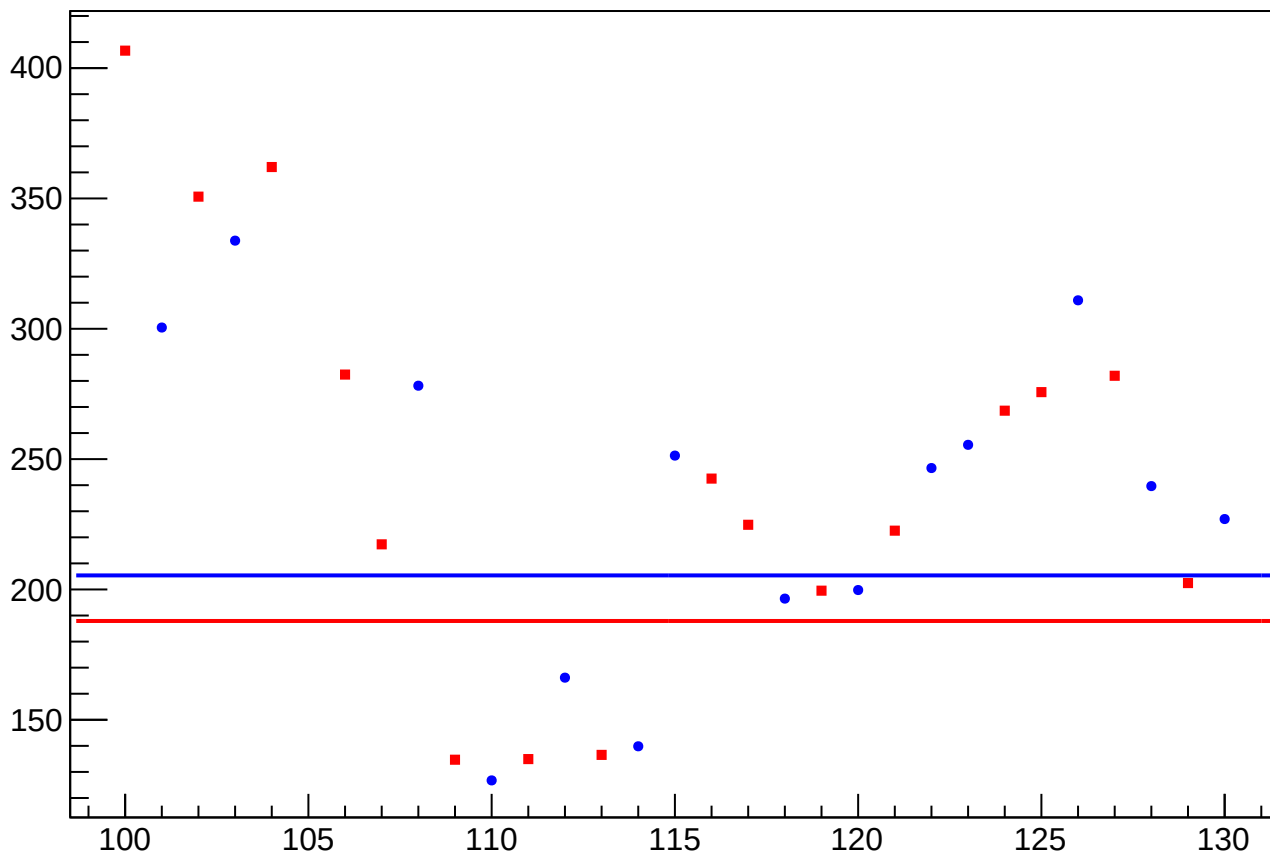
Right Out: 992.259+/-85.093 χ^2/NDF : 547.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-221.187+/-94.984 χ^2/NDF : 298.0/13

992.259+/-85.093 χ^2/NDF : 547.0/15

asym_bpm0l06WS_rms vs Slug



Right In: 205.389 $\pm$ 0.067 χ^2 /NDF: 842226.8/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

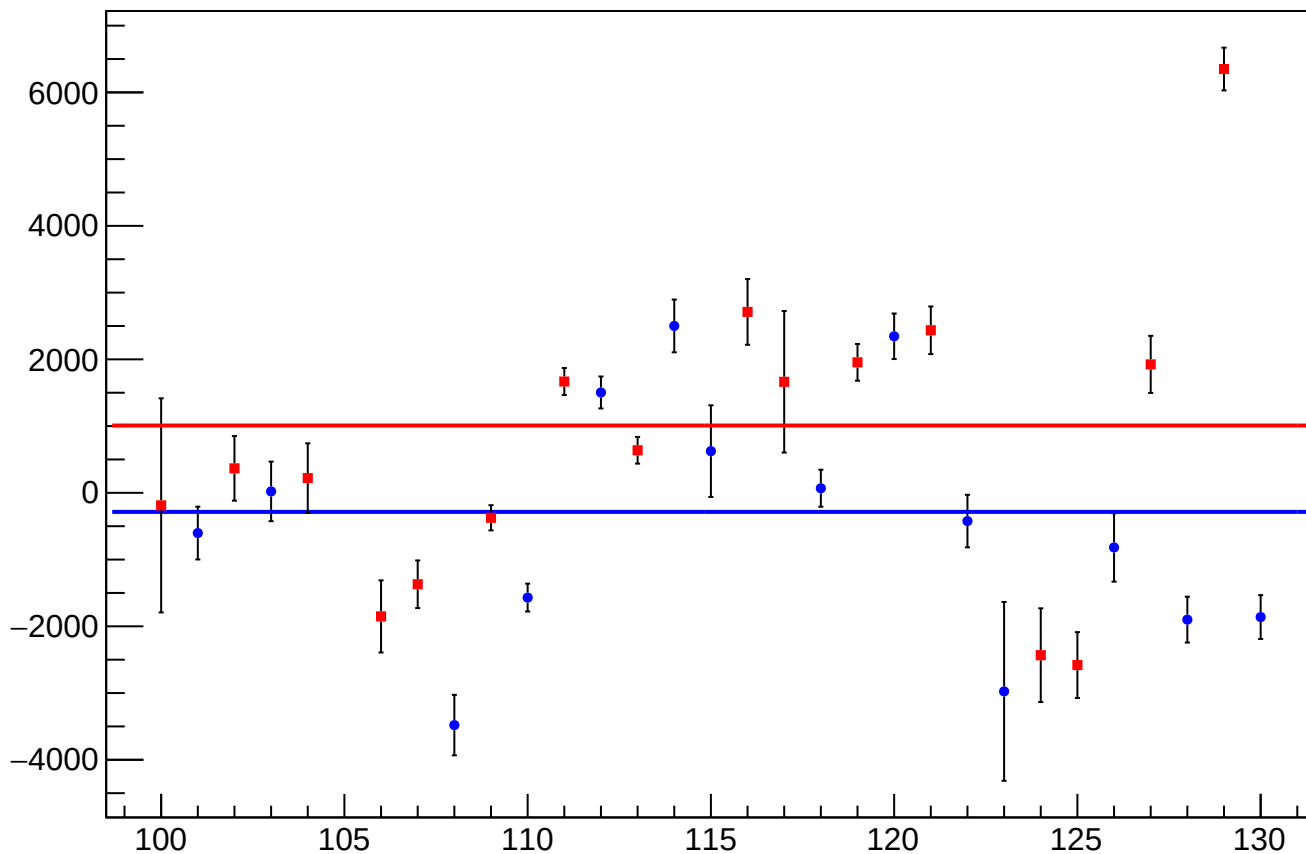
205.389 $\pm$ 0.067 χ^2 /NDF: 842226.8/13

Right Out: 187.908 $\pm$ 0.060 χ^2 /NDF: 1199579.5/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

187.908 $\pm$ 0.060 χ^2 /NDF: 1199579.5/15

asym_bpm0l07WS_mean vs Slug



Right In: -285.610+/-93.111 χ^2/NDF : 307.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

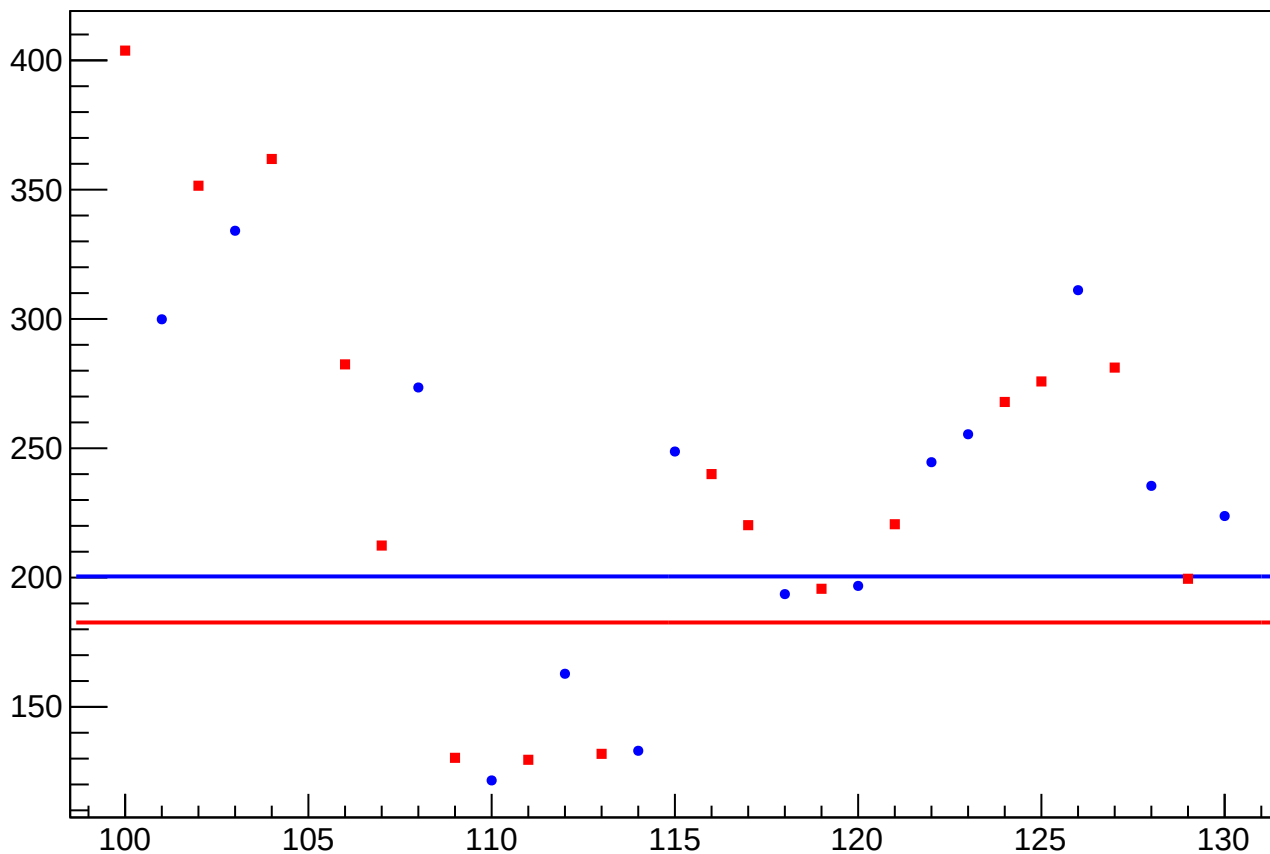
Right Out: 1008.590+/-83.135 χ^2/NDF : 544.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-285.610+/-93.111 χ^2/NDF : 307.4/13

1008.590+/-83.135 χ^2/NDF : 544.7/15

asym_bpm0l07WS_rms vs Slug



Right In: 200.440 $\pm$ 0.066 χ^2 /NDF: 914967.4/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

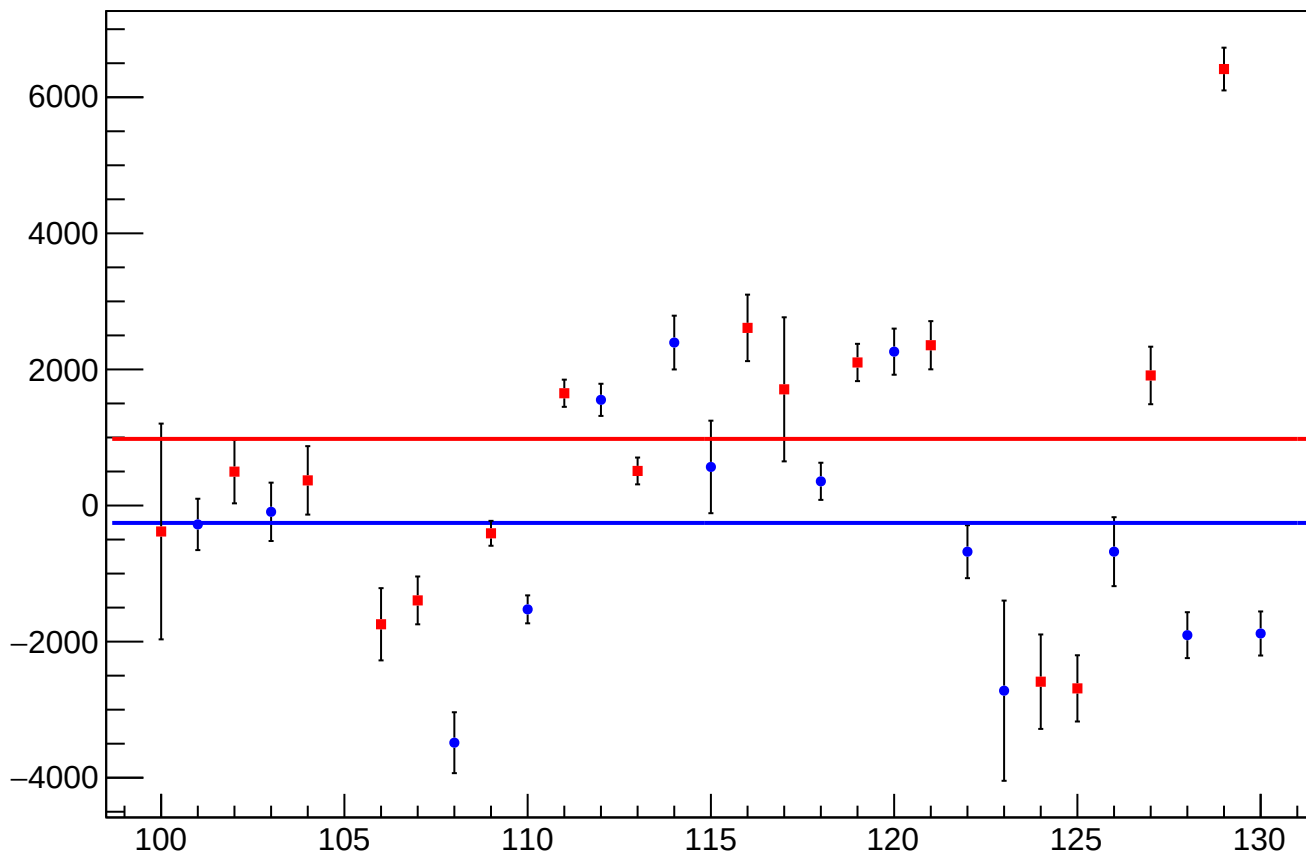
Right Out: 182.637 $\pm$ 0.059 χ^2 /NDF: 1290907.2/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

200.440 $\pm$ 0.066 χ^2 /NDF: 914967.4/13

182.637 $\pm$ 0.059 χ^2 /NDF: 1290907.2/15

asym_bpm0l08WS_mean vs Slug



Right In: -255.634+/-91.616 χ^2/NDF : 310.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

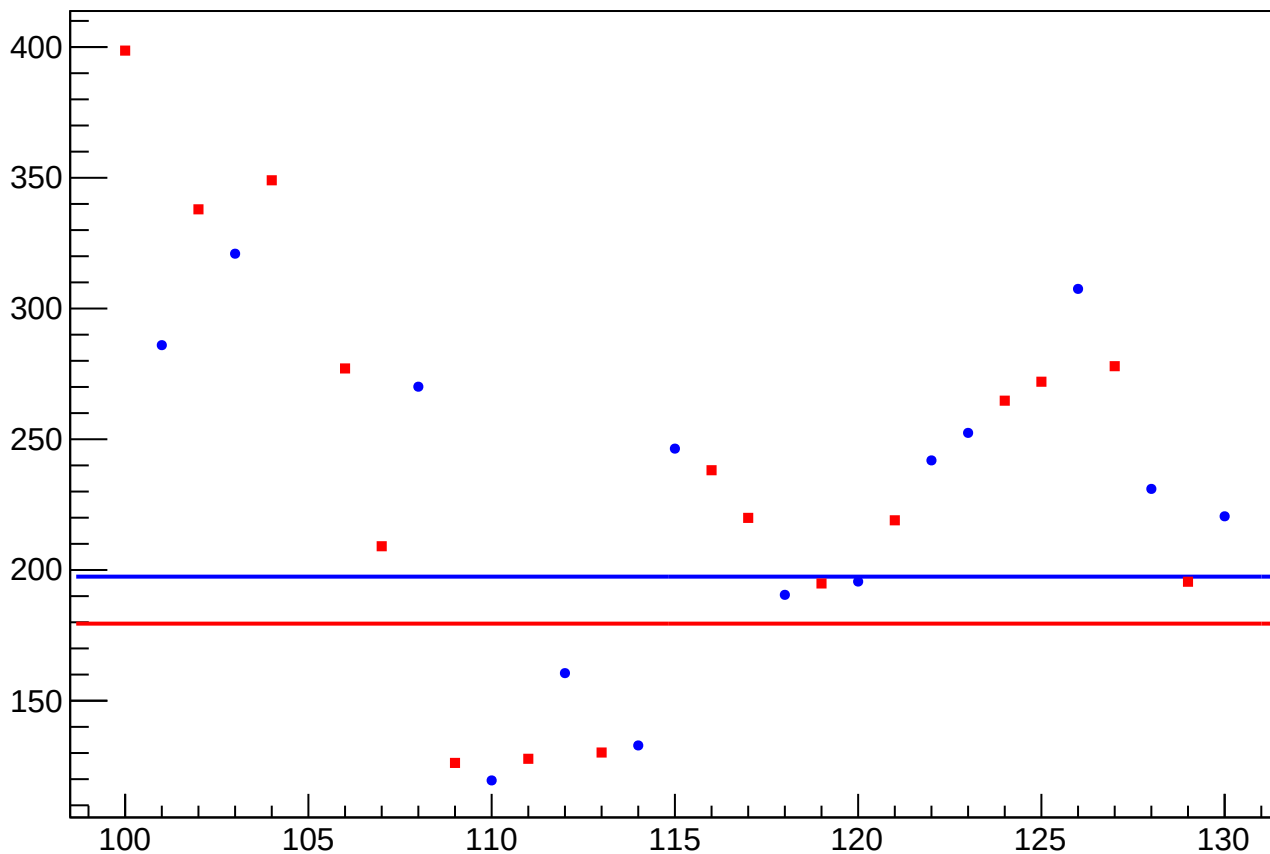
Right Out: 979.191+/-81.737 χ^2/NDF : 580.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-255.634+/-91.616 χ^2/NDF : 310.1/13

979.191+/-81.737 χ^2/NDF : 580.6/15

asym_bpm0l08WS_rms vs Slug



Right In: 197.459+/-0.065 χ^2/NDF : 884218.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

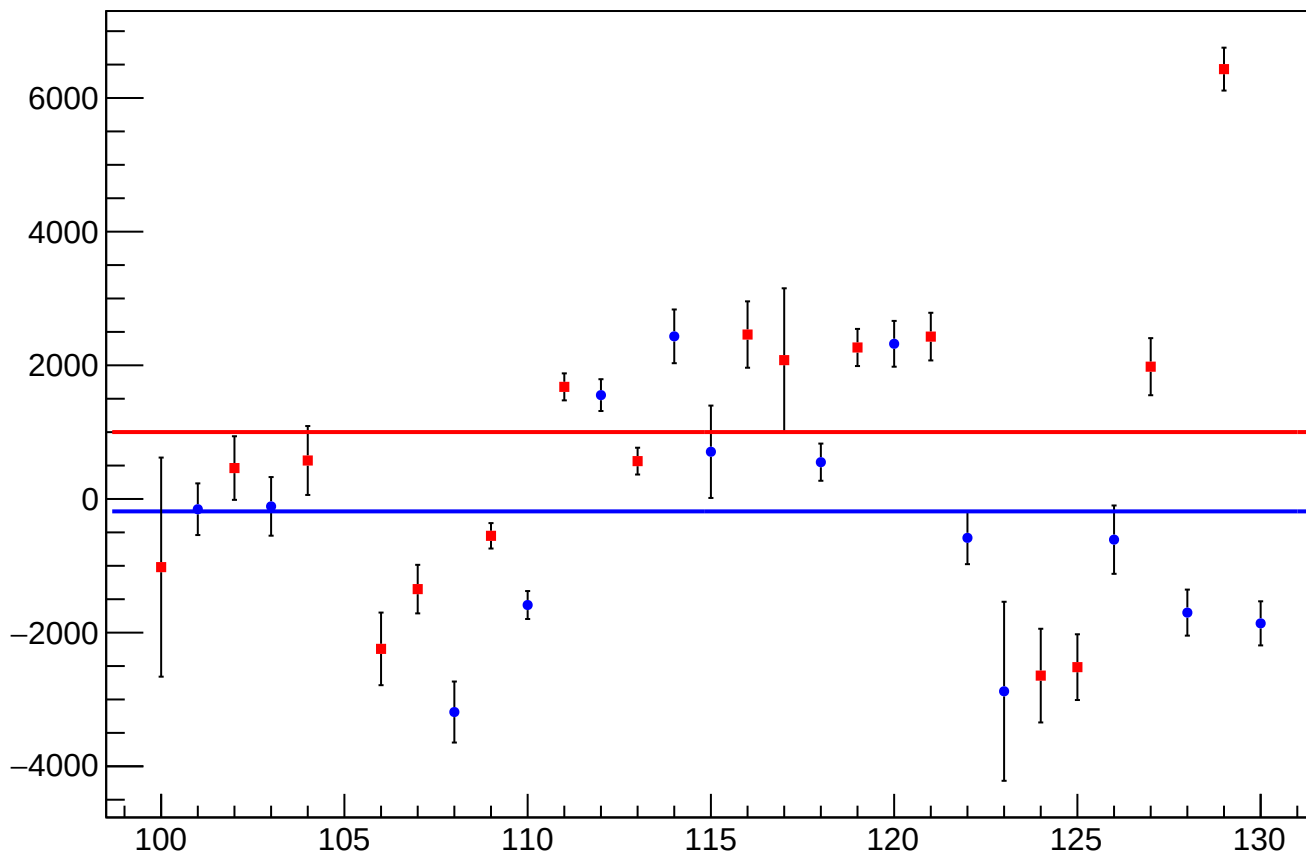
Right Out: 179.484+/-0.058 χ^2/NDF : 1286343.3/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

197.459+/-0.065 χ^2/NDF : 884218.2/13

179.484+/-0.058 χ^2/NDF : 1286343.3/15

asym_bpm0l09WS_mean vs Slug



Right In: -185.596+/-93.111 χ^2 /NDF: 297.1/13

Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

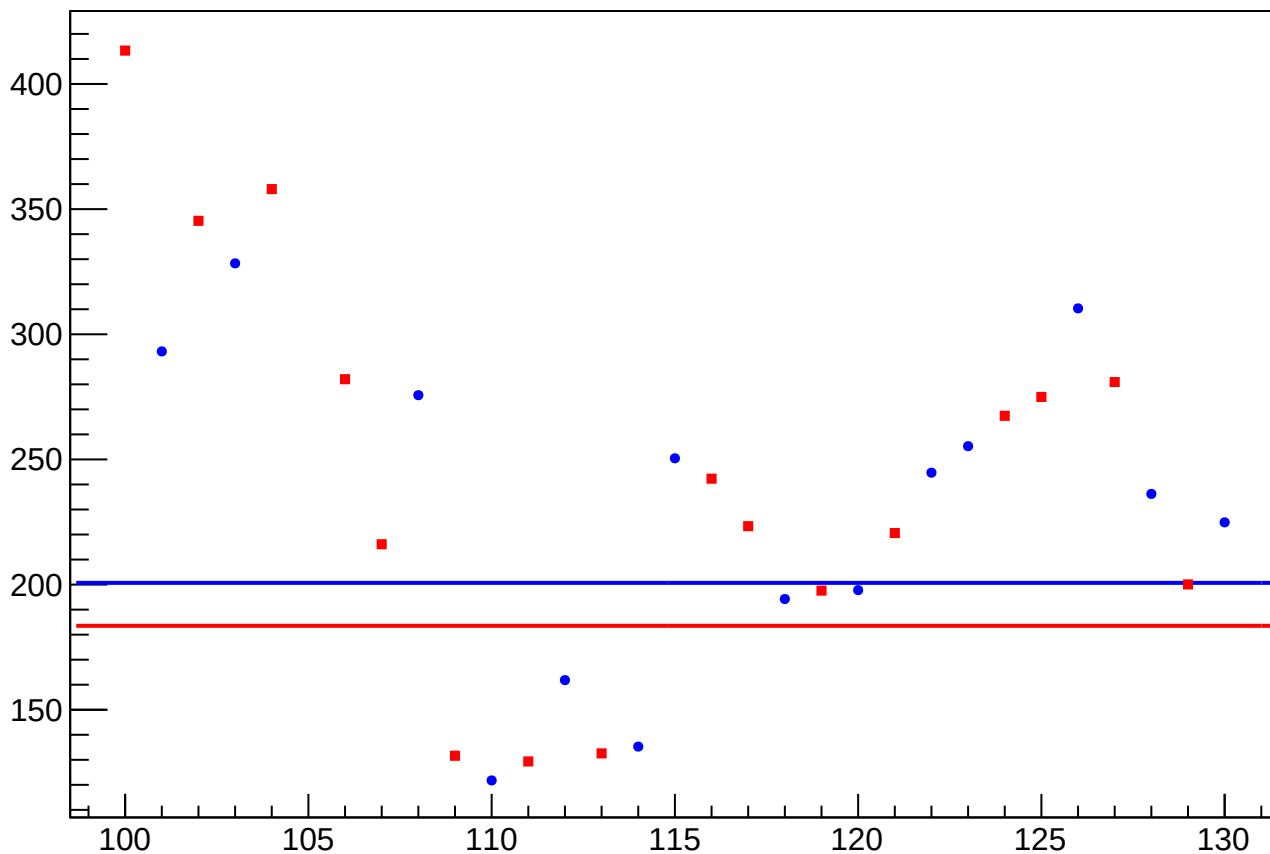
Right Out: 1001.203+/-83.467 χ^2 /NDF: 579.5/15

Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

-185.596+/-93.111 χ^2 /NDF: 297.1/13

1001.203+/-83.467 χ^2 /NDF: 579.5/15

asym_bpm0l09WS_rms vs Slug



Right In: 200.691+/-0.066 χ^2/NDF : 892633.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

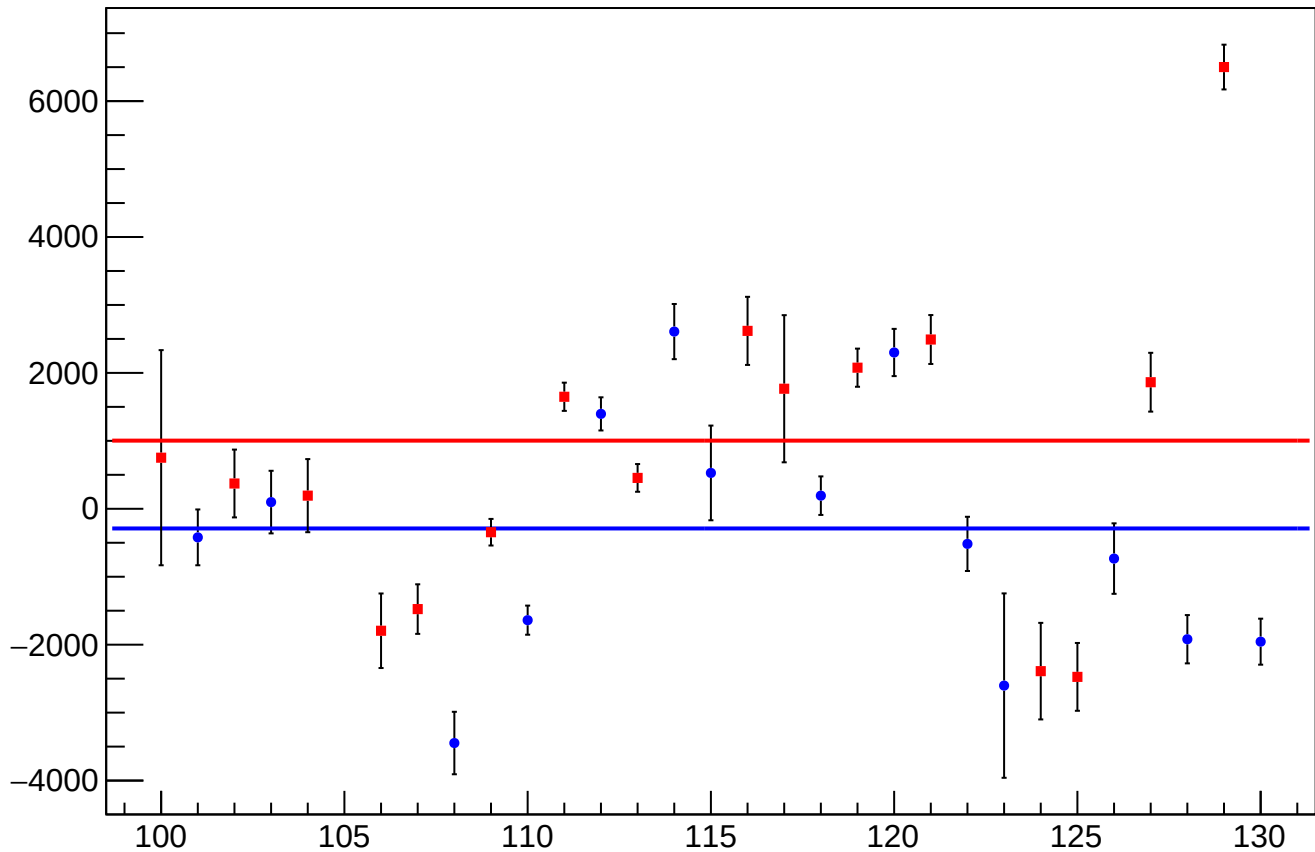
200.691+/-0.066 χ^2/NDF : 892633.1/13

Right Out: 183.533+/-0.059 χ^2/NDF : 1267497.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

183.533+/-0.059 χ^2/NDF : 1267497.9/15

asym_bpm0l10WS_mean vs Slug



Right In: -289.506+/-95.360 χ^2/NDF : 295.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

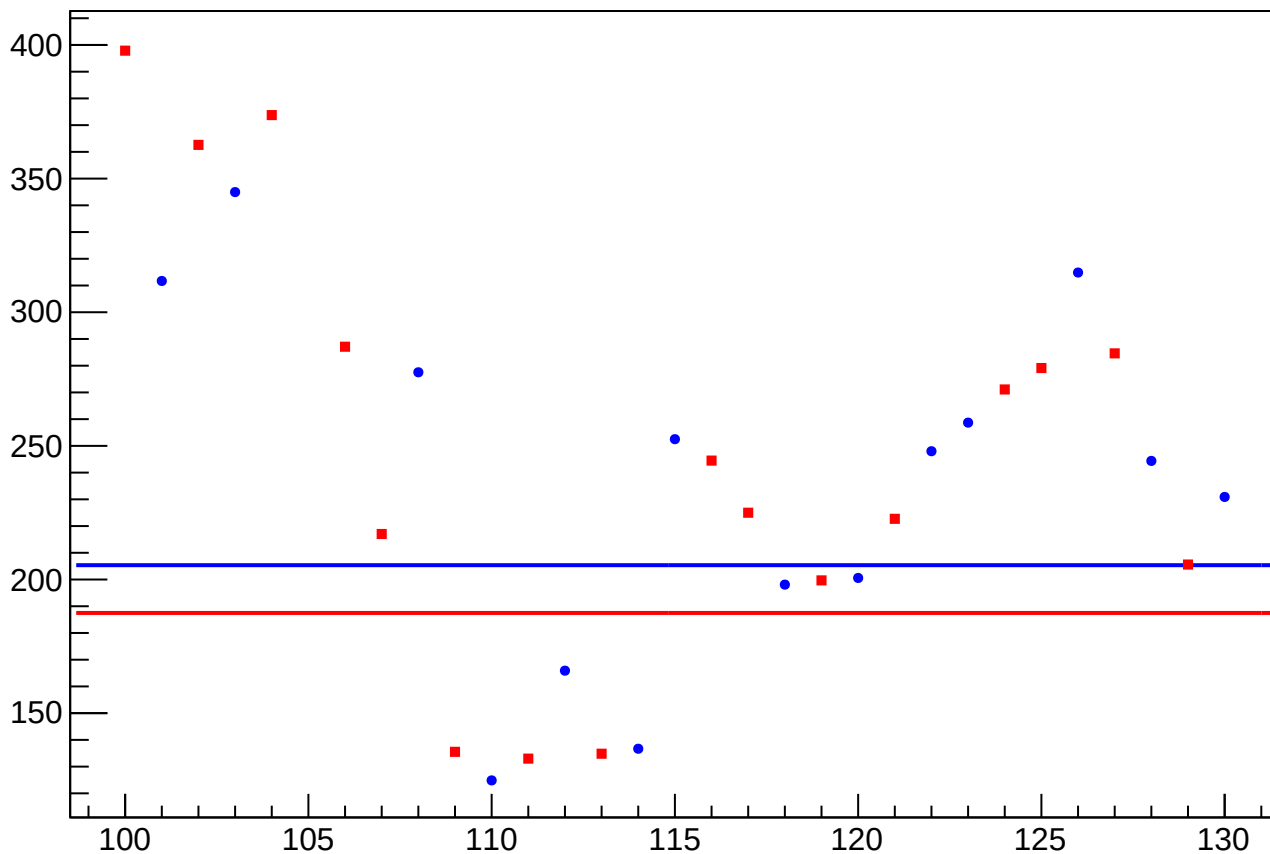
Right Out: 1003.185+/-85.178 χ^2/NDF : 536.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-289.506+/-95.360 χ^2/NDF : 295.4/13

1003.185+/-85.178 χ^2/NDF : 536.9/15

asym_bpm0l10WS_rms vs Slug



Right In: 205.361 $\pm$ 0.067 χ^2 /NDF: 920151.6/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

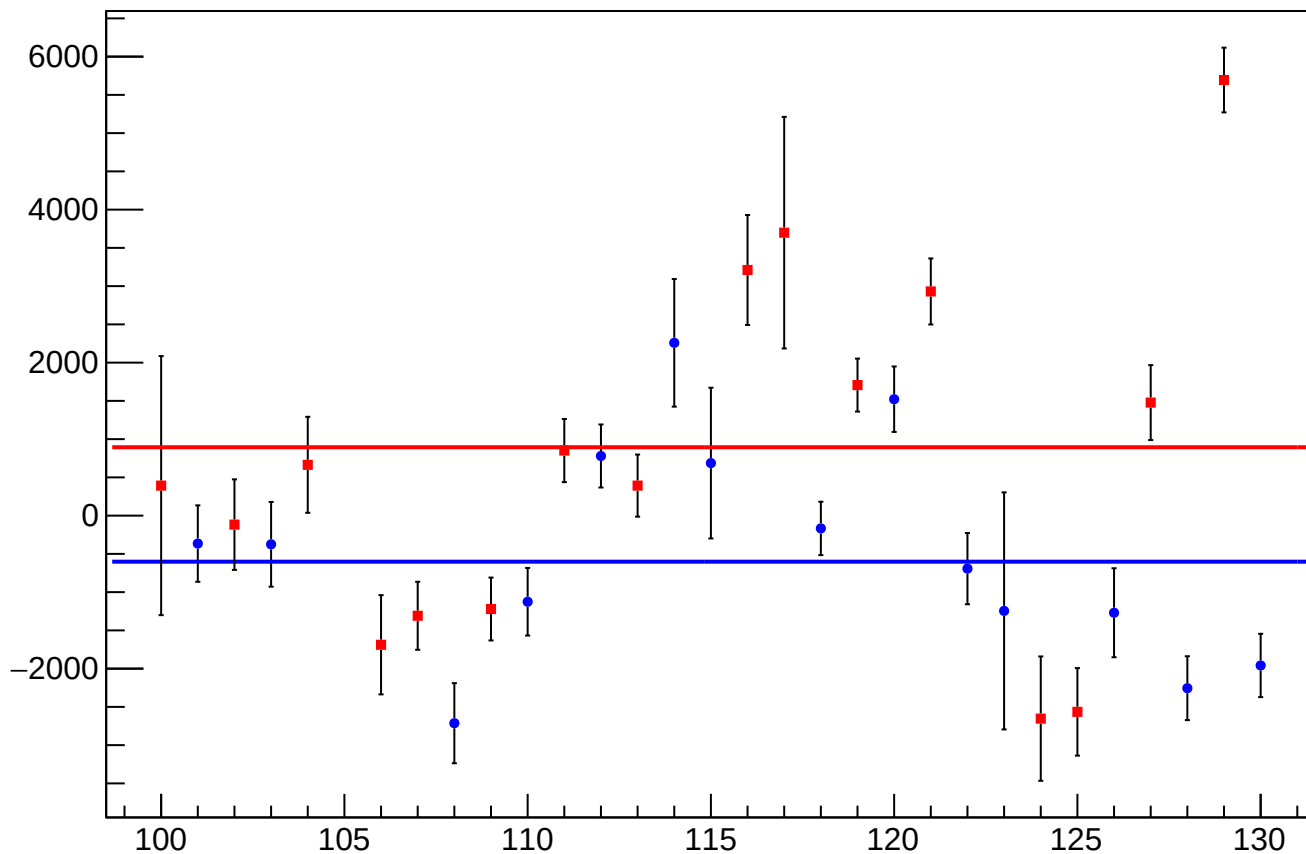
205.361 $\pm$ 0.067 χ^2 /NDF: 920151.6/13

Right Out: 187.496 $\pm$ 0.060 χ^2 /NDF: 1265488.3/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

187.496 $\pm$ 0.060 χ^2 /NDF: 1265488.3/15

asym_bpm0r03WS_mean vs Slug



Right In: -601.887+/-131.731 χ^2/NDF : 96.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

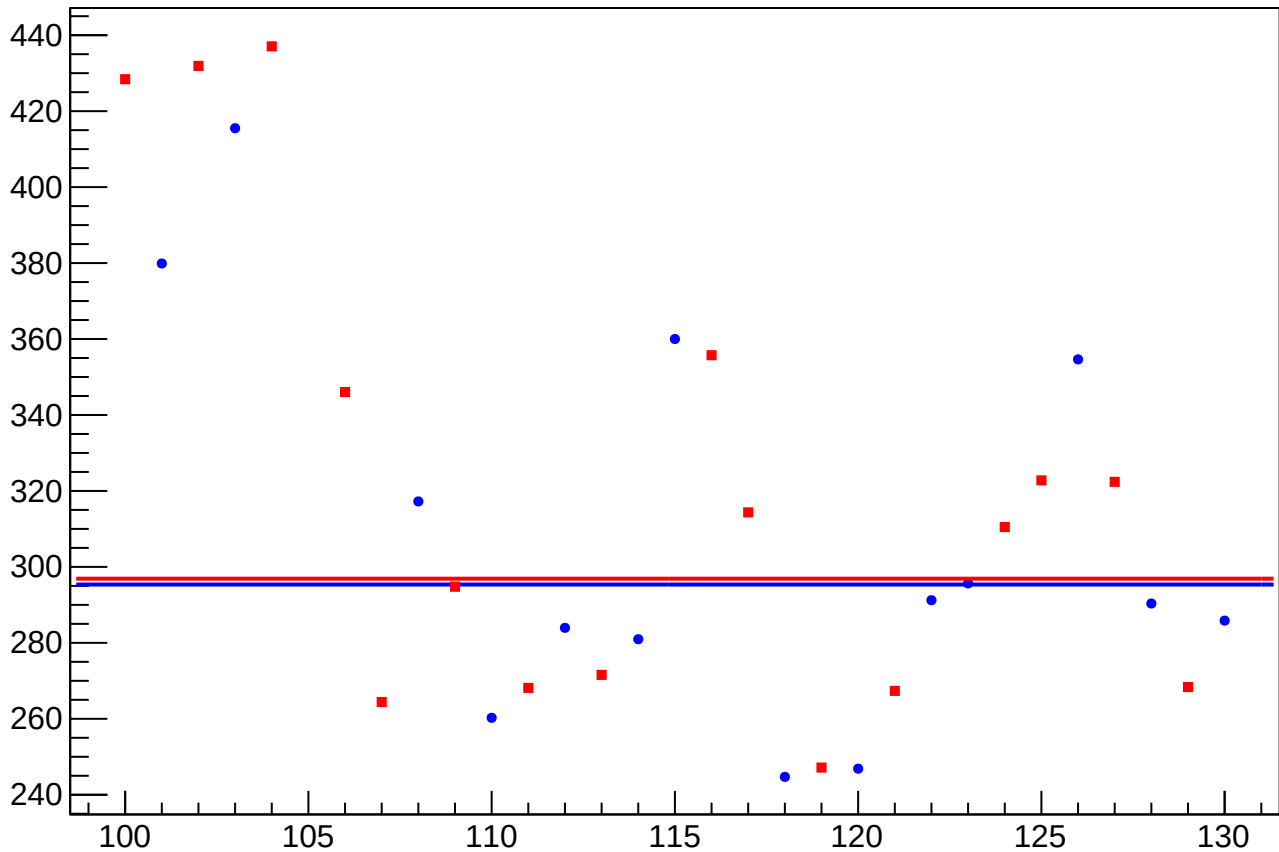
Right Out: 893.958+/-127.588 χ^2/NDF : 298.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-601.887+/-131.731 χ^2/NDF : 96.9/13

893.958+/-127.588 χ^2/NDF : 298.9/15

asym_bpm0r03WS_rms vs Slug



Right In: 295.355+/-0.093 χ^2/NDF : 268263.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

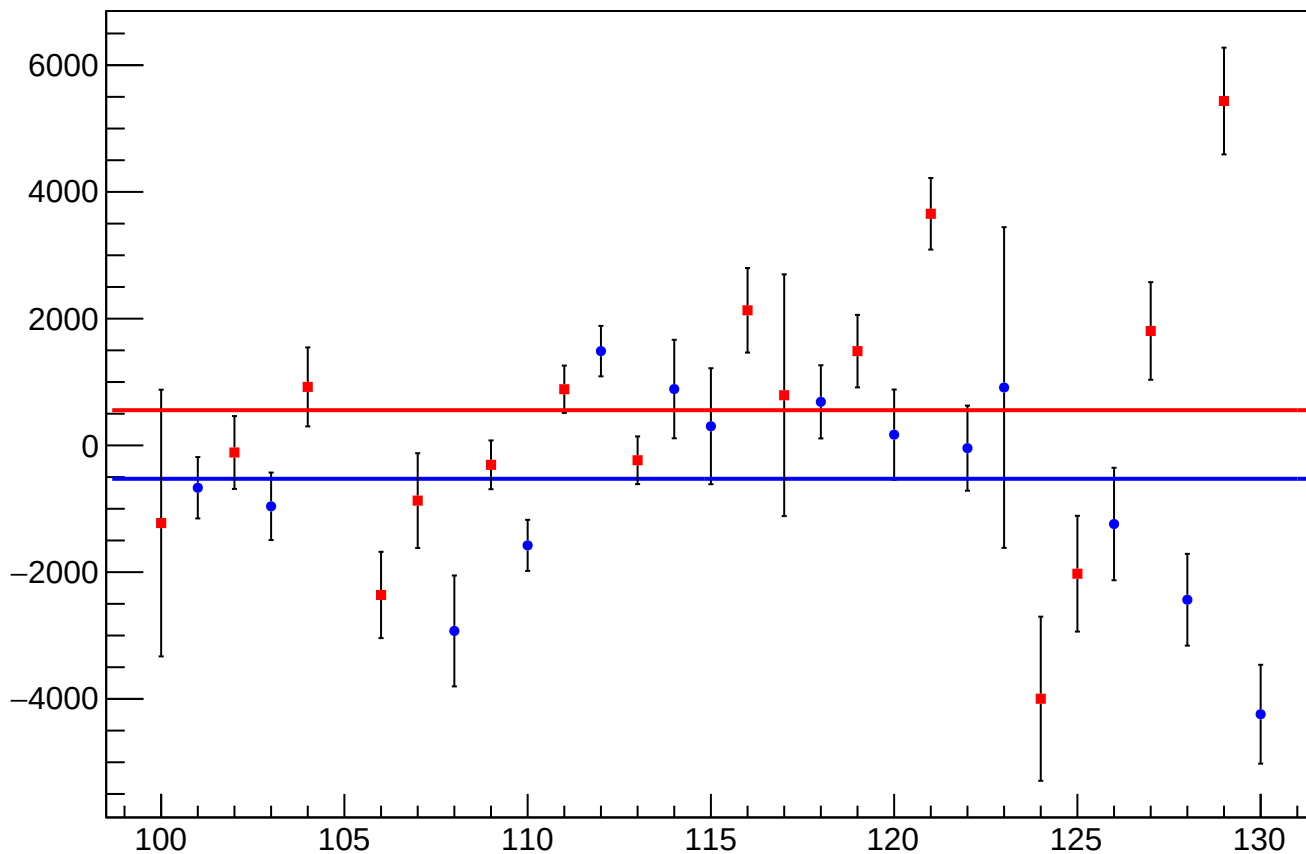
295.355+/-0.093 χ^2/NDF : 268263.0/13

Right Out: 296.895+/-0.090 χ^2/NDF : 339076.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

296.895+/-0.090 χ^2/NDF : 339076.7/15

asym_bpm0r05WS_mean vs Slug



Right In: -526.844+/-165.334 χ^2 /NDF: 81.4/13

Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

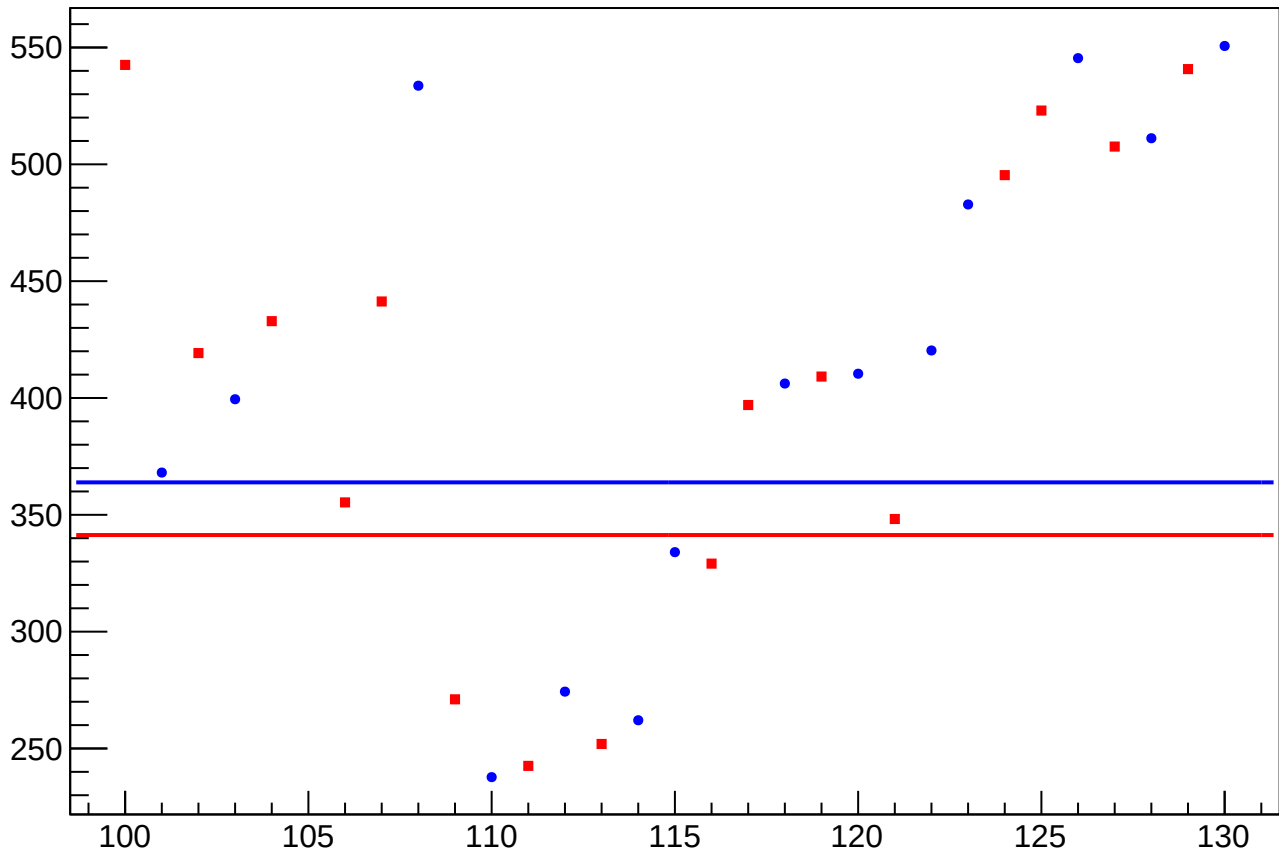
Right Out: 555.546+/-150.164 χ^2 /NDF: 129.5/15

Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

-526.844+/-165.334 χ^2 /NDF: 81.4/13

555.546+/-150.164 χ^2 /NDF: 129.5/15

asym_bpm0r05WS_rms vs Slug



Right In: 363.887 $\pm$ 0.117 χ^2 /NDF: 736774.3/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

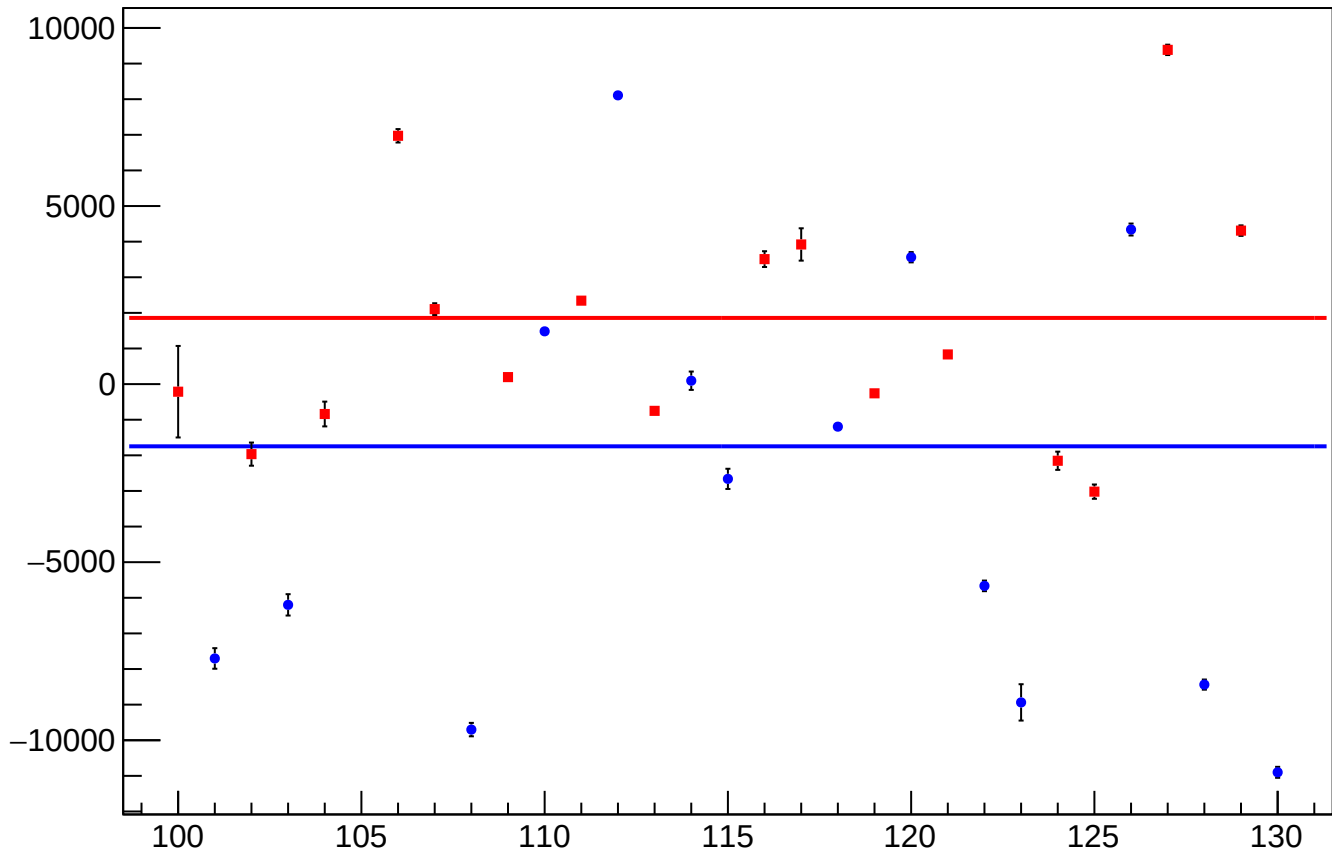
Right Out: 341.352 $\pm$ 0.106 χ^2 /NDF: 797747.9/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

363.887 $\pm$ 0.117 χ^2 /NDF: 736774.3/13

341.352 $\pm$ 0.106 χ^2 /NDF: 797747.9/15

asym_bpm1i04WS_mean vs Slug



Right In: -1746.949+/-45.461 χ^2 /NDF: 17907.4/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

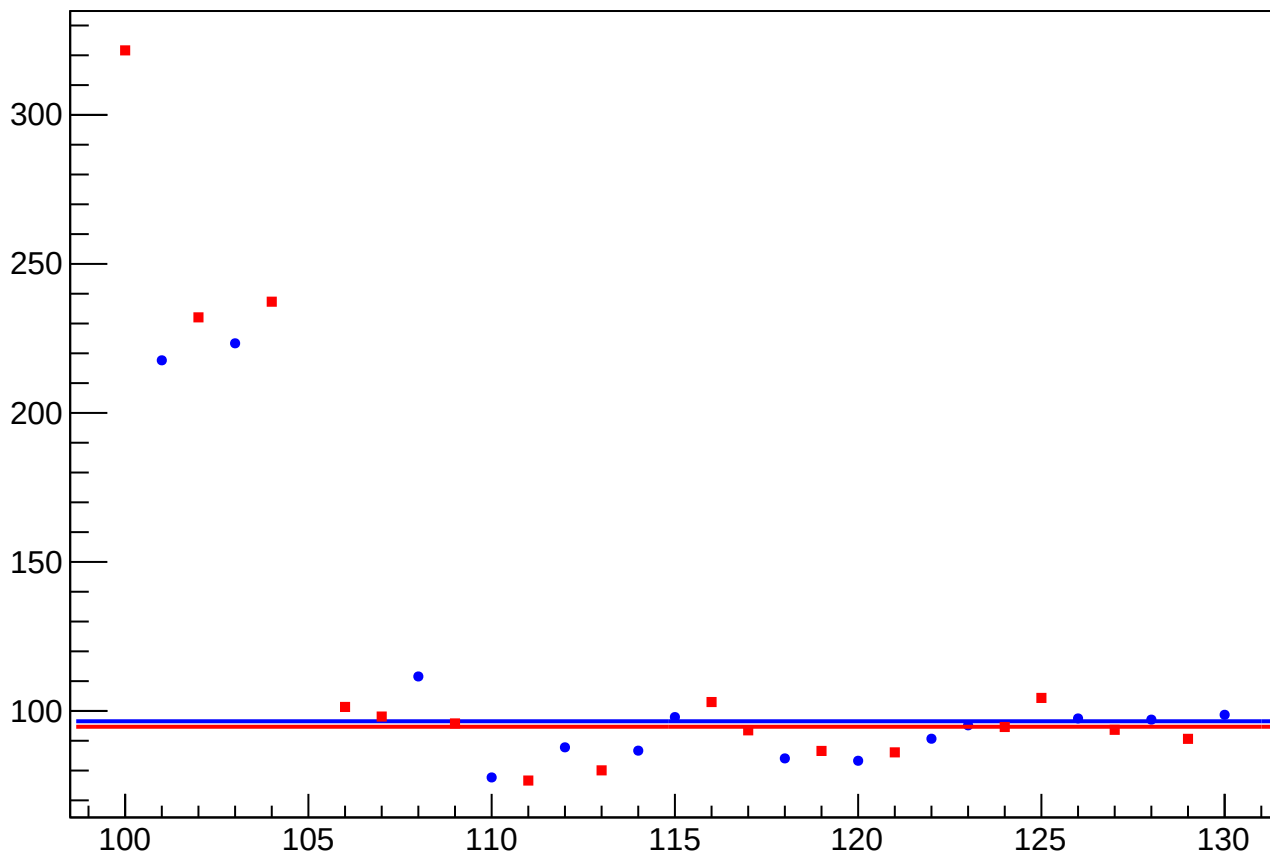
Right Out: 1858.449+/-42.841 χ^2 /NDF: 5760.0/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

-1746.949+/-45.461 χ^2 /NDF: 17907.4/13

1858.449+/-42.841 χ^2 /NDF: 5760.0/15

asym_bpm1i04WS_rms vs Slug



Right In: 96.537 $\pm$ 0.032 χ^2 /NDF: 814556.6/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

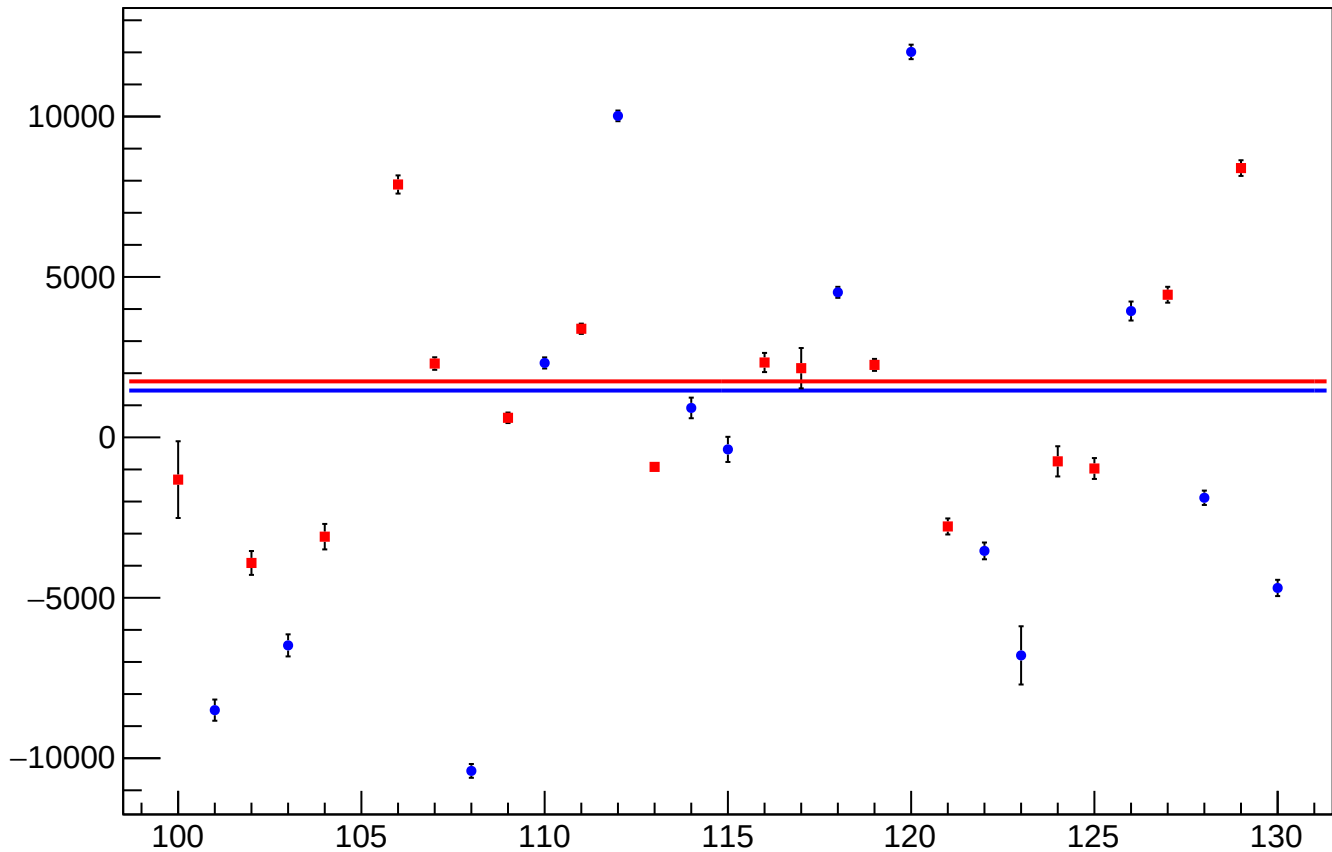
Right Out: 94.698 $\pm$ 0.030 χ^2 /NDF: 856682.3/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

96.537 $\pm$ 0.032 χ^2 /NDF: 814556.6/13

94.698 $\pm$ 0.030 χ^2 /NDF: 856682.3/15

asym_bpm1i06WS_mean vs Slug



Right In: 1459.679+/-64.400 χ^2/NDF : 11005.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

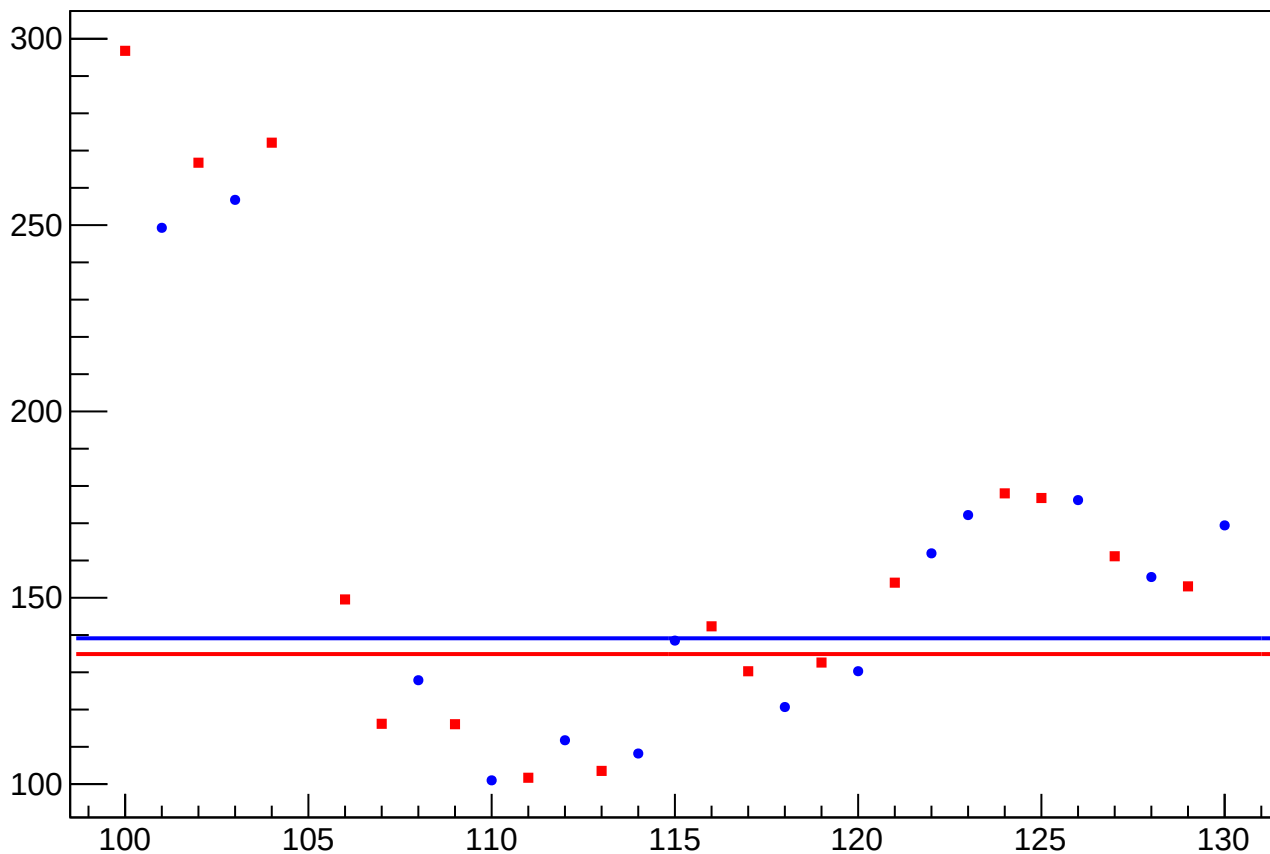
Right Out: 1745.319+/-60.297 χ^2/NDF : 2598.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1459.679+/-64.400 χ^2/NDF : 11005.1/13

1745.319+/-60.297 χ^2/NDF : 2598.9/15

asym_bpm1i06WS_rms vs Slug



Right In: 139.123+/-0.046 χ^2/NDF : 745249.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

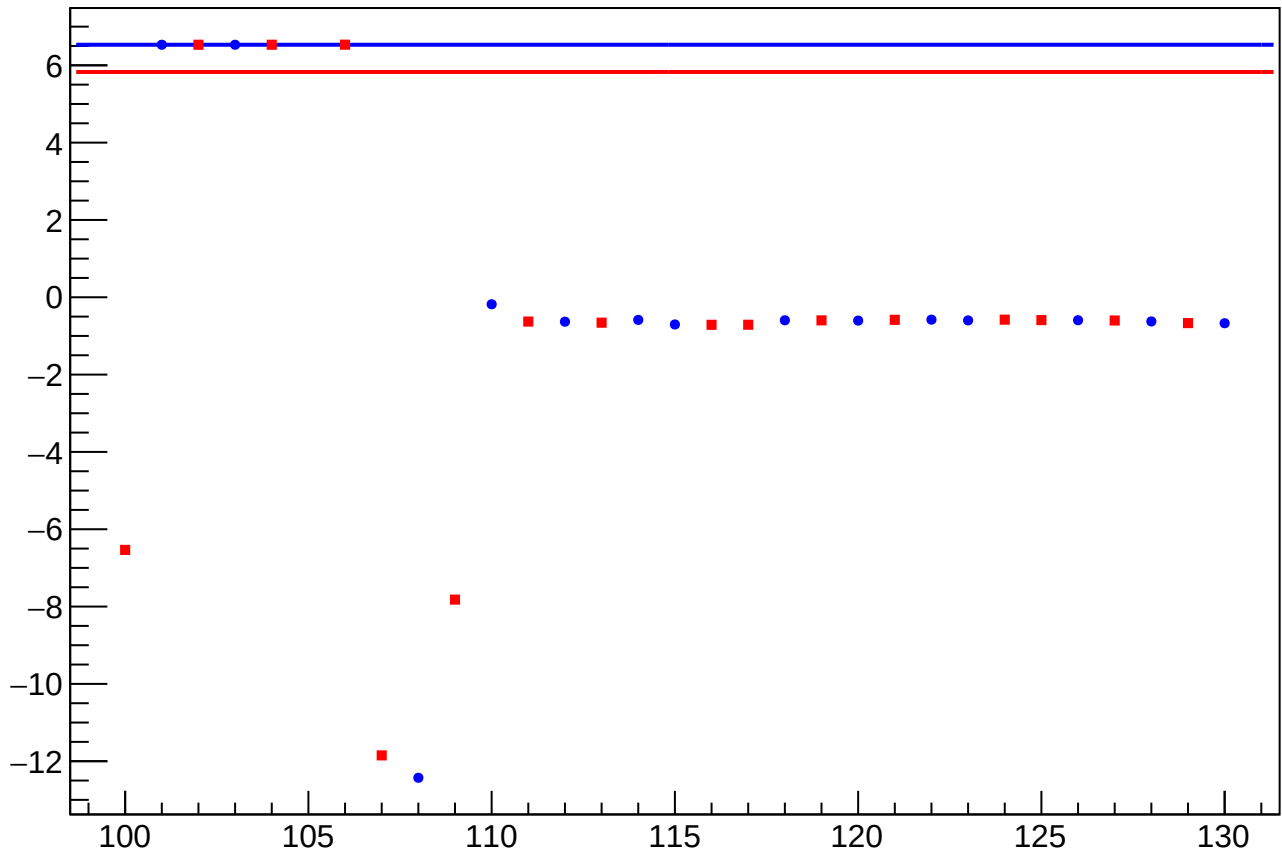
Right Out: 134.891+/-0.043 χ^2/NDF : 839197.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

139.123+/-0.046 χ^2/NDF : 745249.7/13

134.891+/-0.043 χ^2/NDF : 839197.0/15

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 86110173677.6/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

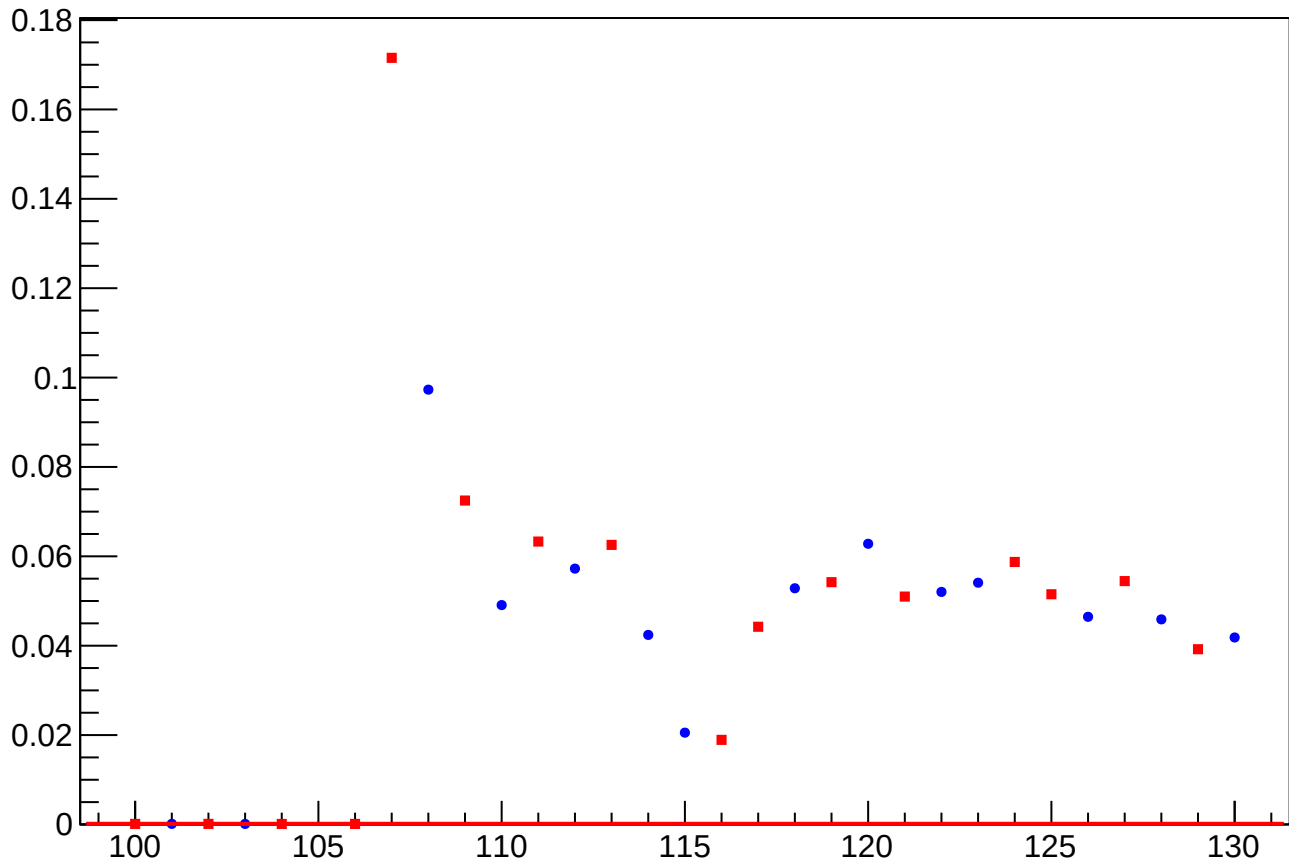
6.532 $\pm$ 0.000 χ^2 /NDF: 86110173677.6/13

Right Out: 5.828 $\pm$ 0.000 χ^2 /NDF: 755918205020671.1/15

5.828 $\pm$ 0.000 χ^2 /NDF: 755918205020671.1/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6921100.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

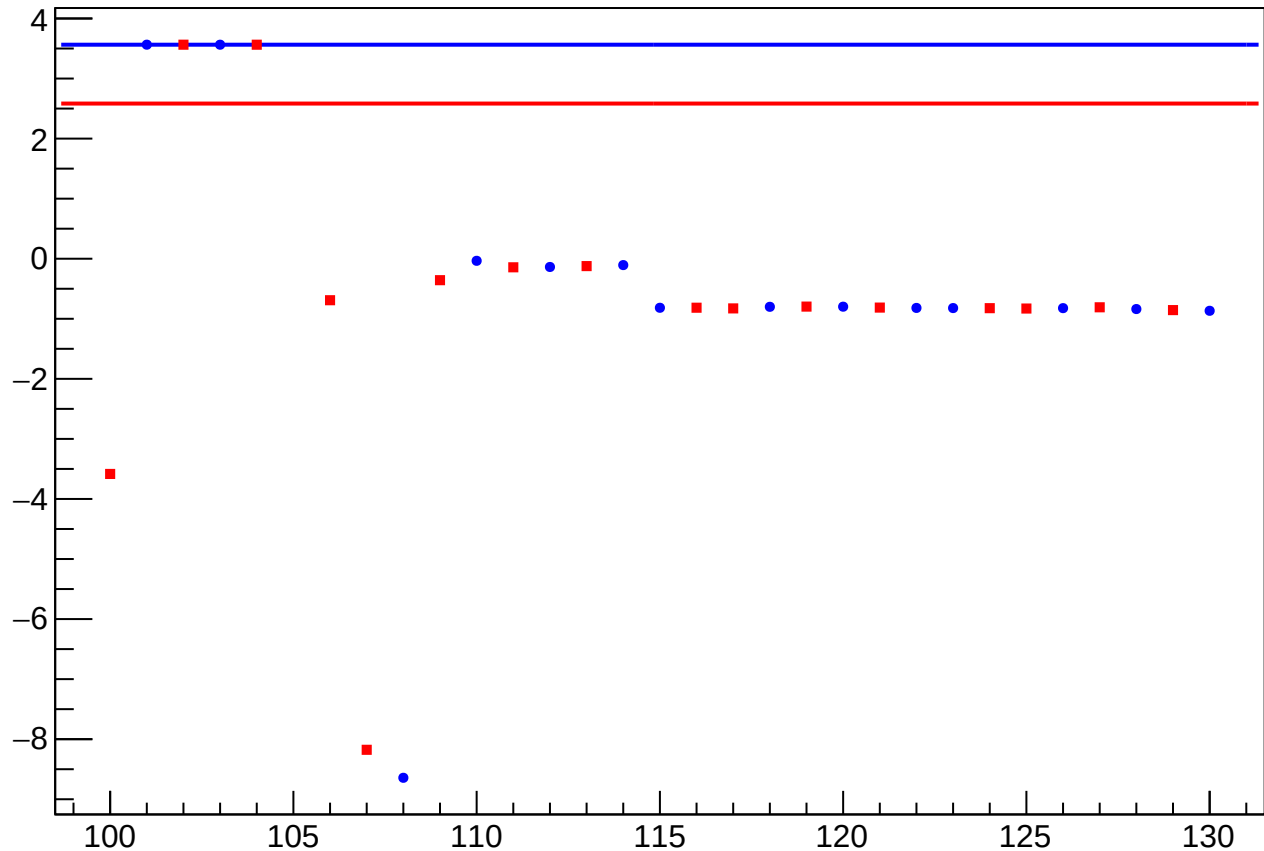
Right Out: 0.000+/-0.000 χ^2/NDF : 7136919.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 6921100.8/13

0.000+/-0.000 χ^2/NDF : 7136919.6/15

yield_cav4bY_mean vs Slug



Right In: 3.564+/-0.000 χ^2/NDF : 256210636183.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

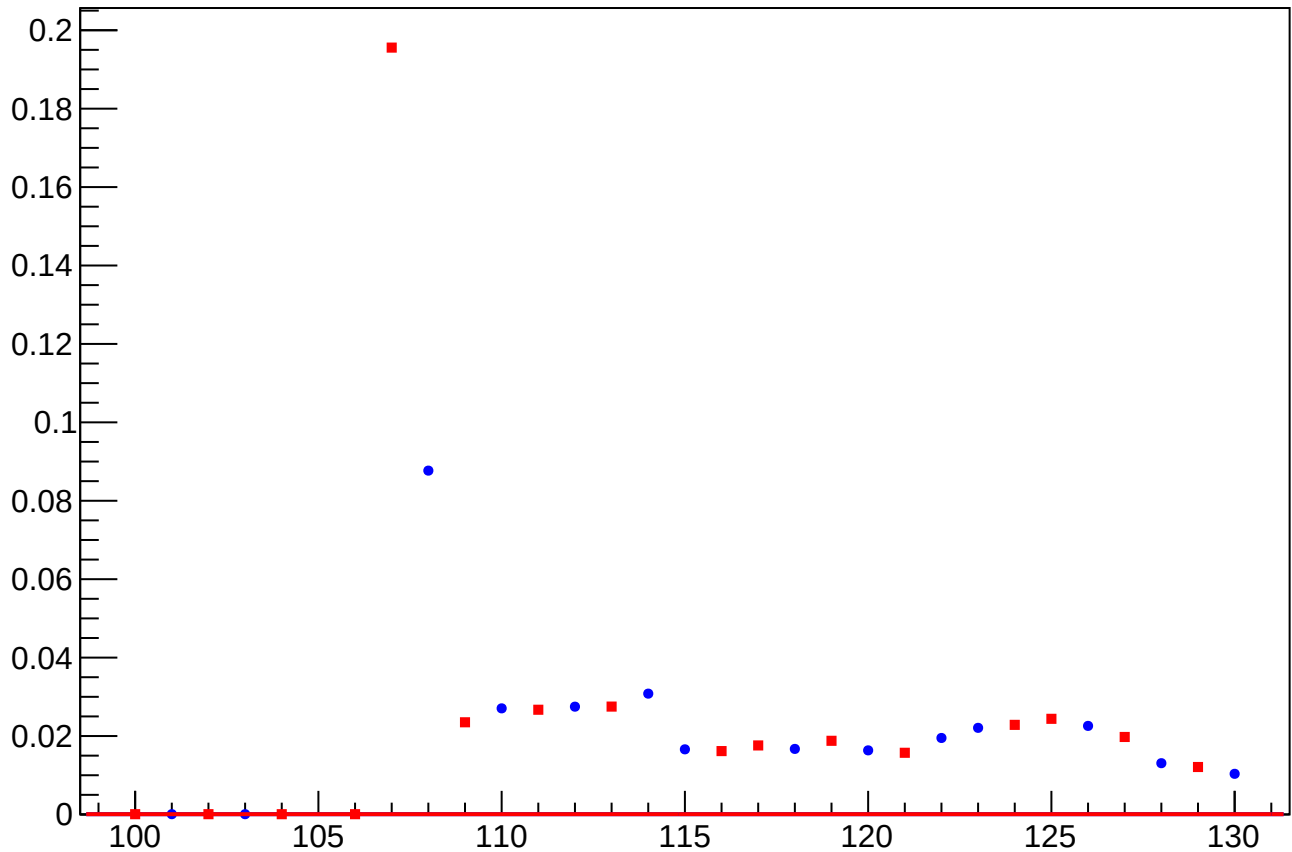
Right Out: 2.584+/-0.000 χ^2/NDF : 1253349089421554.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

3.564+/-0.000 χ^2/NDF : 256210636183.9/13

2.584+/-0.000 χ^2/NDF : 1253349089421554.0/15

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7428419.5/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

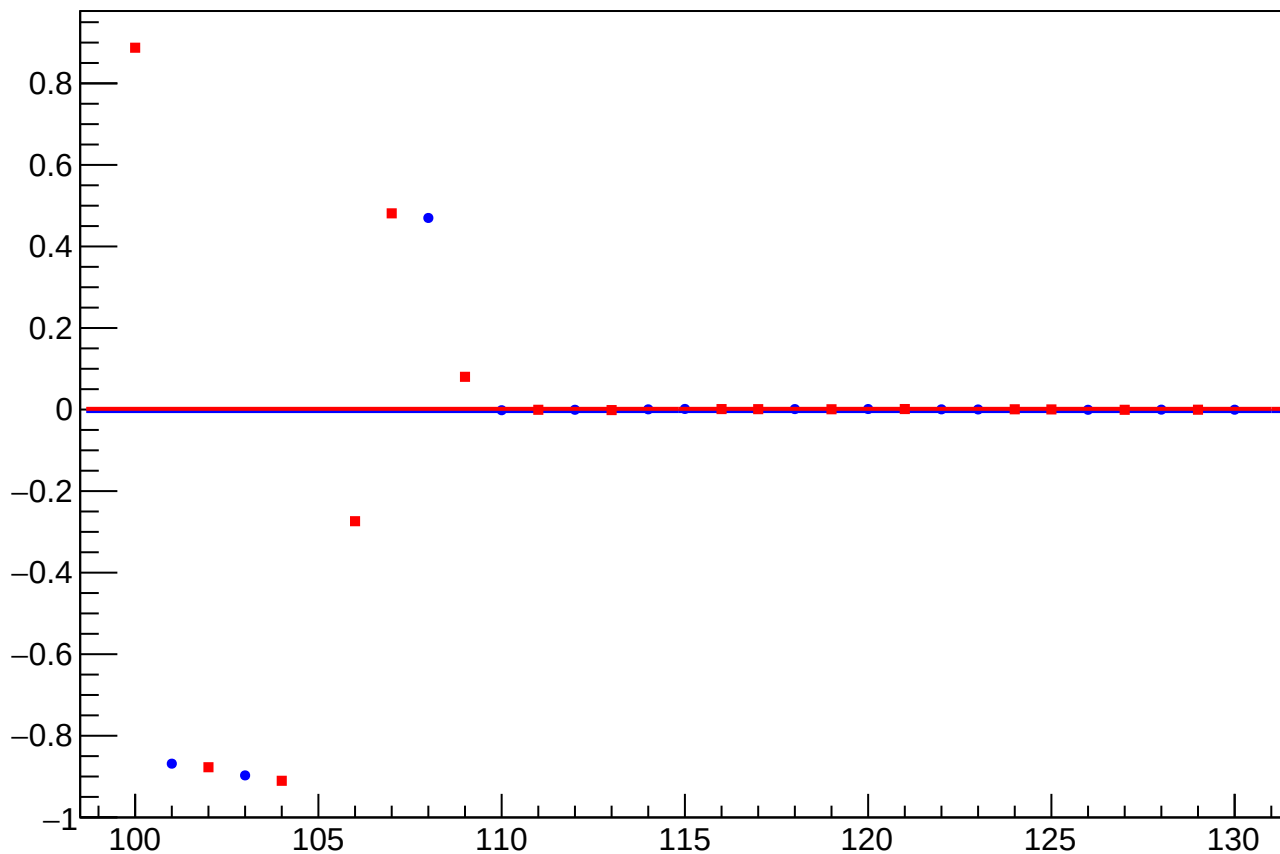
Right Out: 0.000+/-0.000 χ^2/NDF : 7365950.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 7428419.5/13

0.000+/-0.000 χ^2/NDF : 7365950.9/15

yield_cav4cX_mean vs Slug



Right In: -0.004+/-0.000 χ^2/NDF : 9787398967.4/13

Left Out: 0.000+/-0.000 χ^2/NDF :0.0/0

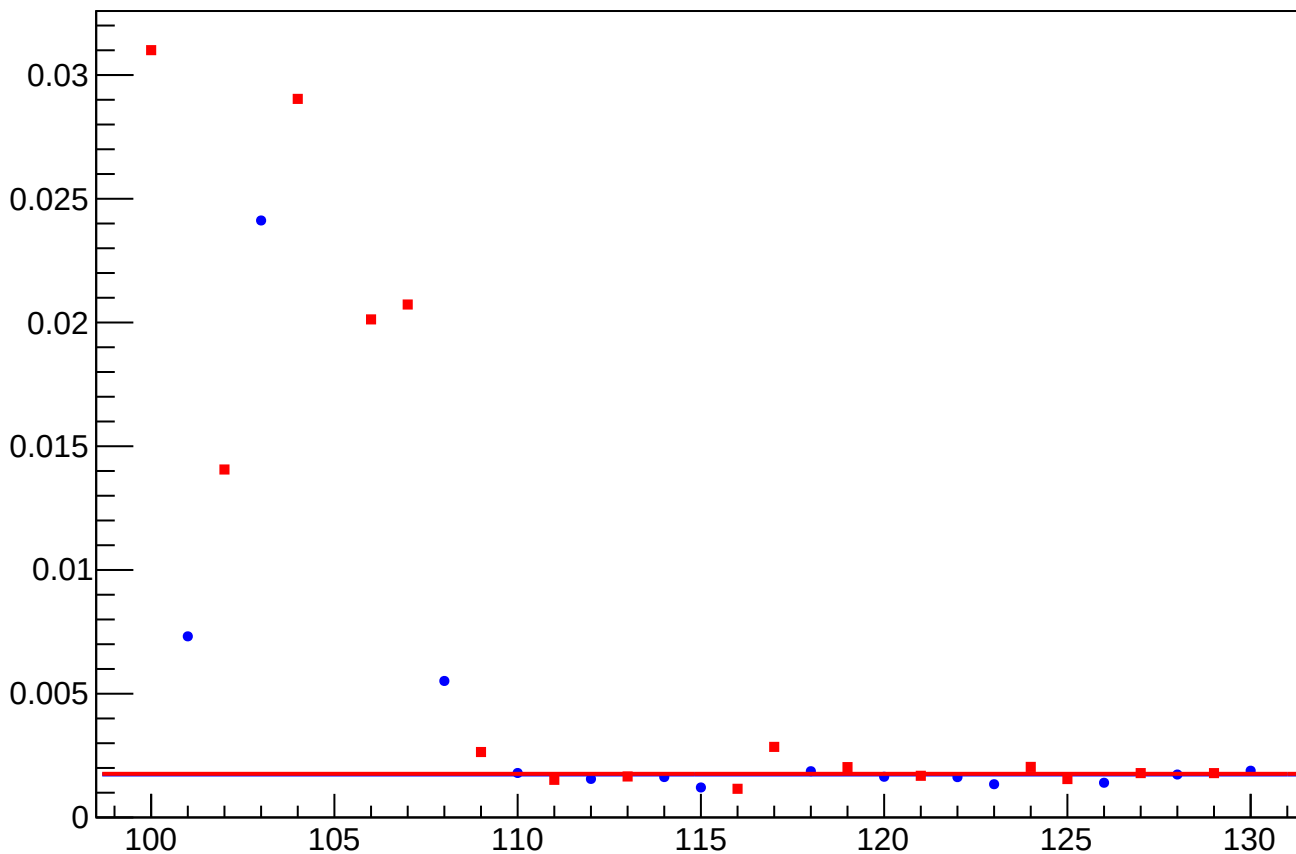
Right Out: 0.002+/-0.000 χ^2/NDF : 3040244544.6/15

Left In: 0.000+/-0.000 χ^2/NDF :0.0/0

-0.004+/-0.000 χ^2/NDF : 9787398967.4/13

0.002+/-0.000 χ^2/NDF : 3040244544.6/15

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1756771.5/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

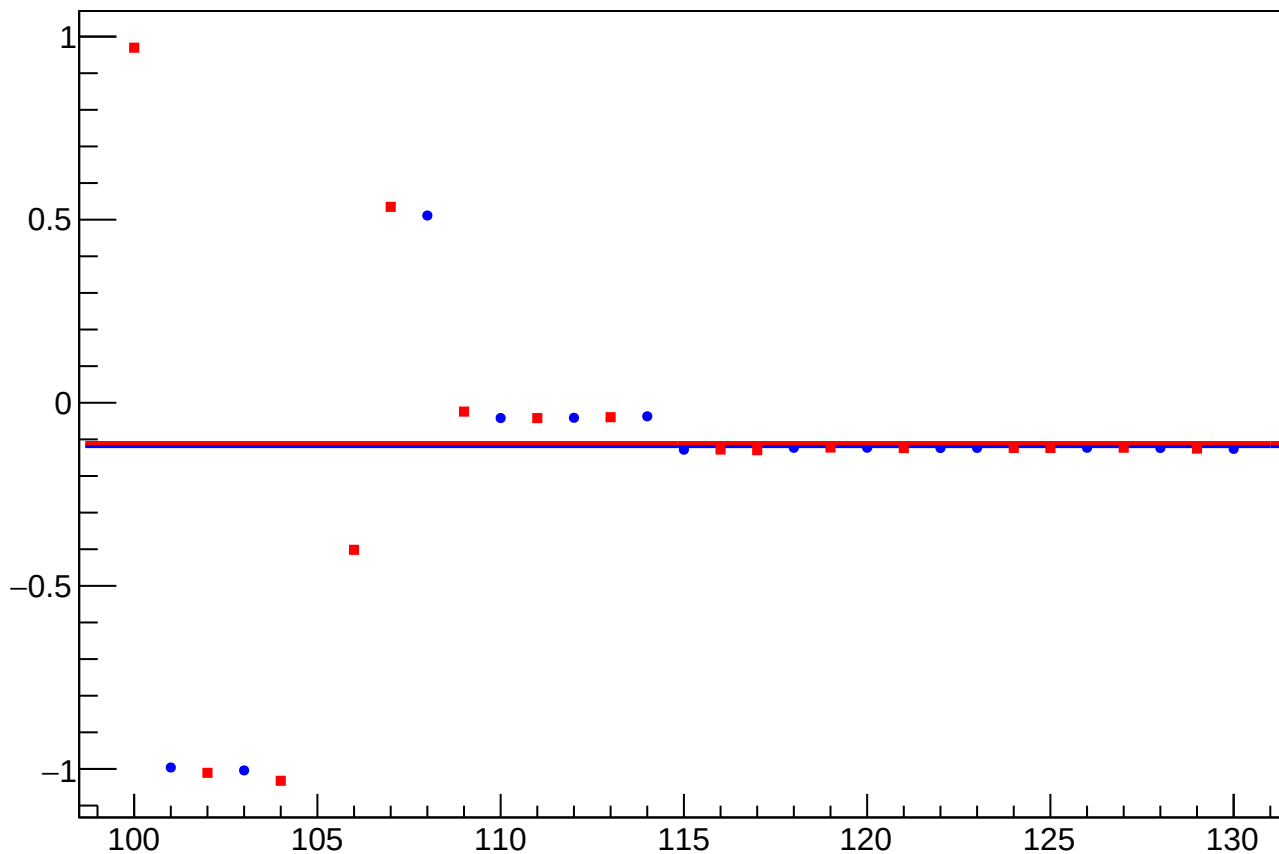
Right Out: 0.002+/-0.000 χ^2/NDF : 2869607.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.002+/-0.000 χ^2/NDF : 1756771.5/13

0.002+/-0.000 χ^2/NDF : 2869607.1/15

yield_cav4cY_mean vs Slug



Right In: -0.118+/-0.000 χ^2/NDF : 3920218010.0/13

Left Out: 0.000+/-0.000 χ^2/NDF :0.0/0

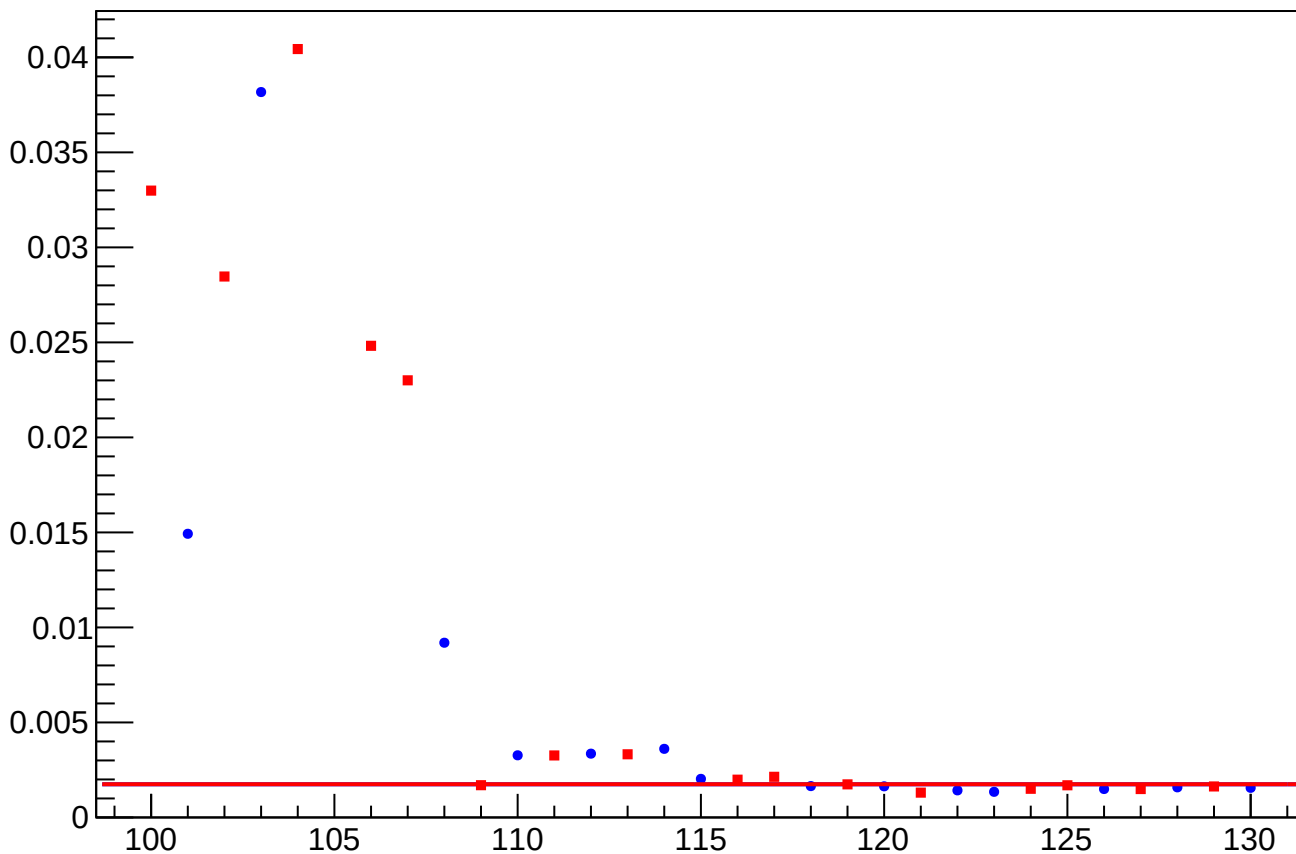
Right Out: -0.110+/-0.000 χ^2/NDF : 2371135776.0/15

Left In: 0.000+/-0.000 χ^2/NDF :0.0/0

-0.118+/-0.000 χ^2/NDF : 3920218010.0/13

-0.110+/-0.000 χ^2/NDF : 2371135776.0/15

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2678188.5/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

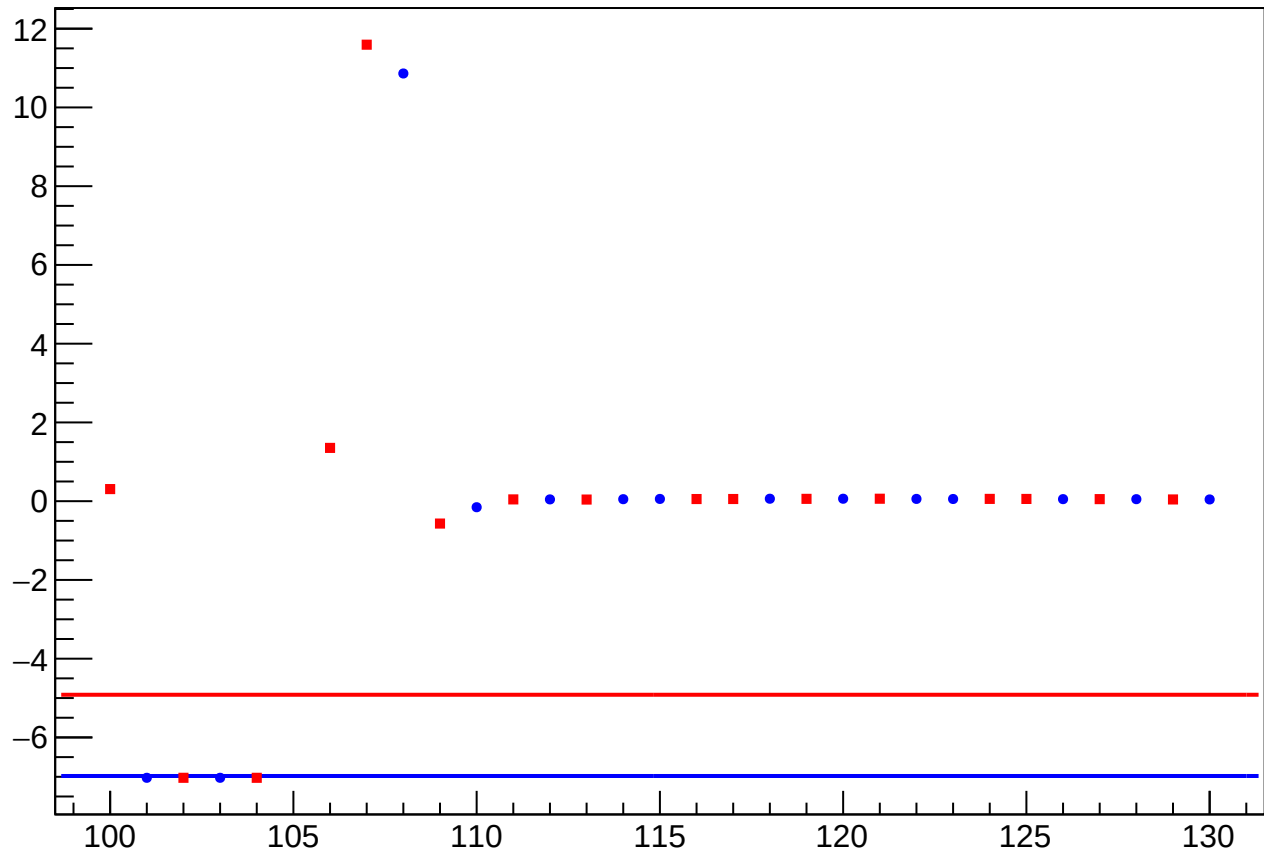
Right Out: 0.002+/-0.000 χ^2/NDF : 3303609.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.002+/-0.000 χ^2/NDF : 2678188.5/13

0.002+/-0.000 χ^2/NDF : 3303609.6/15

yield_cav4dX_mean vs Slug



Right In: -6.979+/-0.000 χ^2/NDF : 7987239960969.5/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

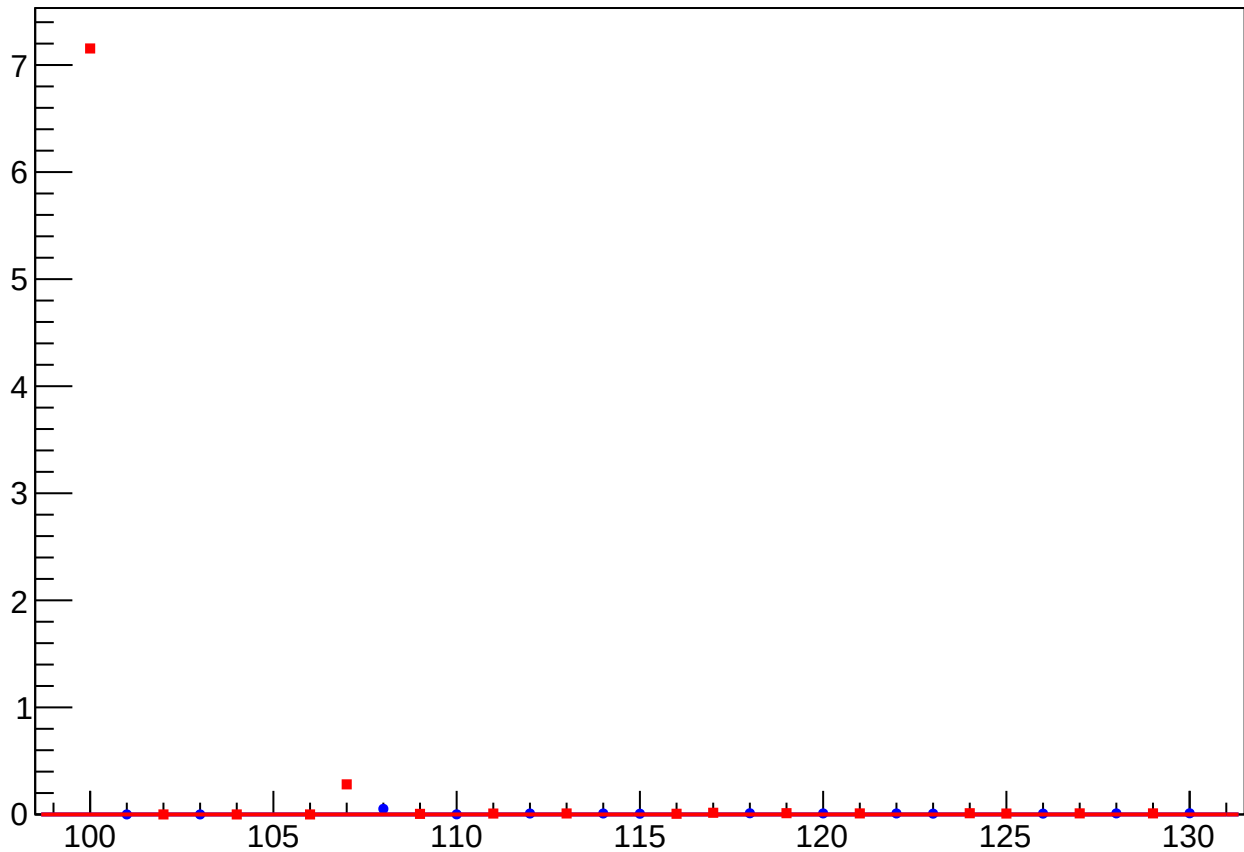
Right Out: -4.916+/-0.000 χ^2/NDF : 365019725844681.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-6.979+/-0.000 χ^2/NDF : 7987239960969.5/13

-4.916+/-0.000 χ^2/NDF : 365019725844681.8/15

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6195618.6/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

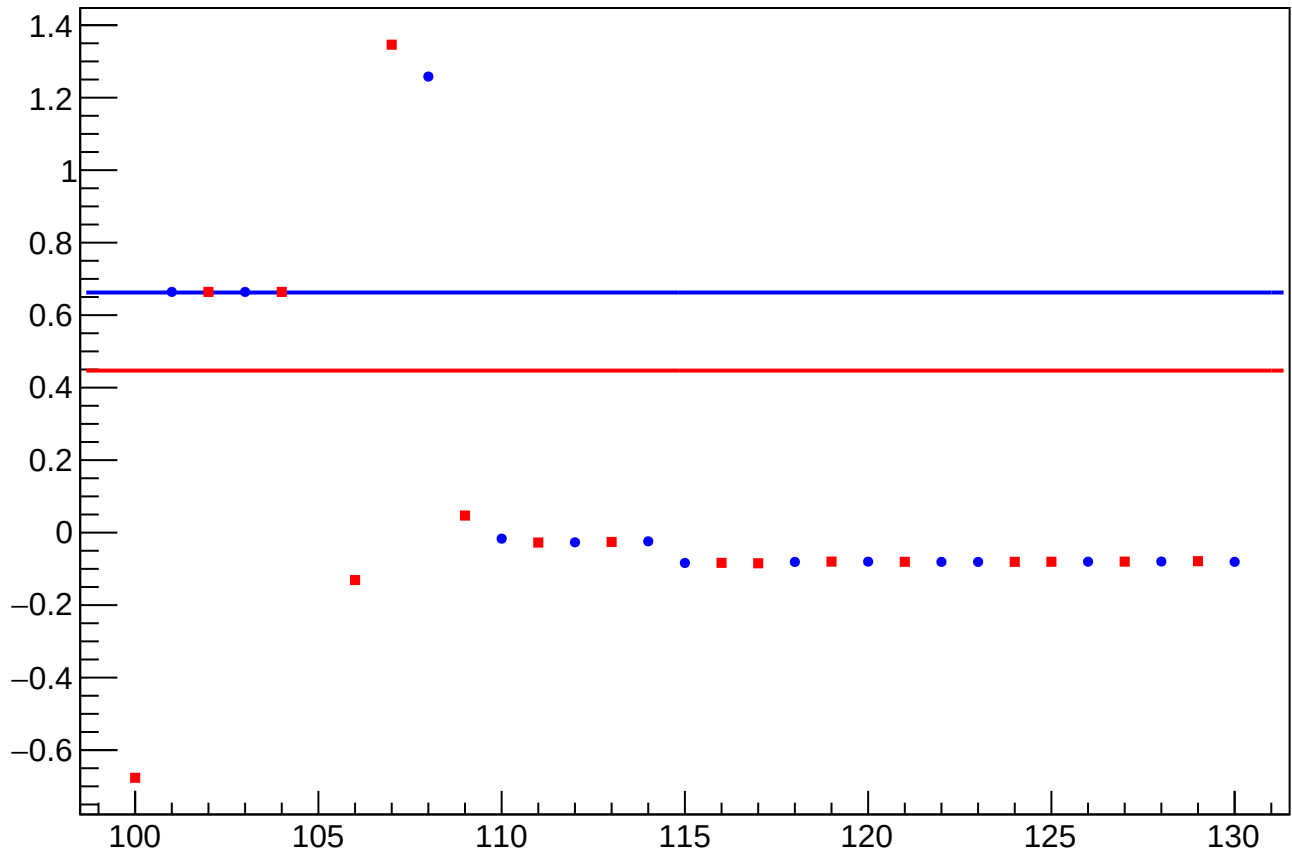
Right Out: 0.000+/-0.000 χ^2/NDF : 6579966.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 6195618.6/13

0.000+/-0.000 χ^2/NDF : 6579966.6/15

yield_cav4dY_mean vs Slug



Right In: 0.662+/-0.000 χ^2/NDF : 3179603915329.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

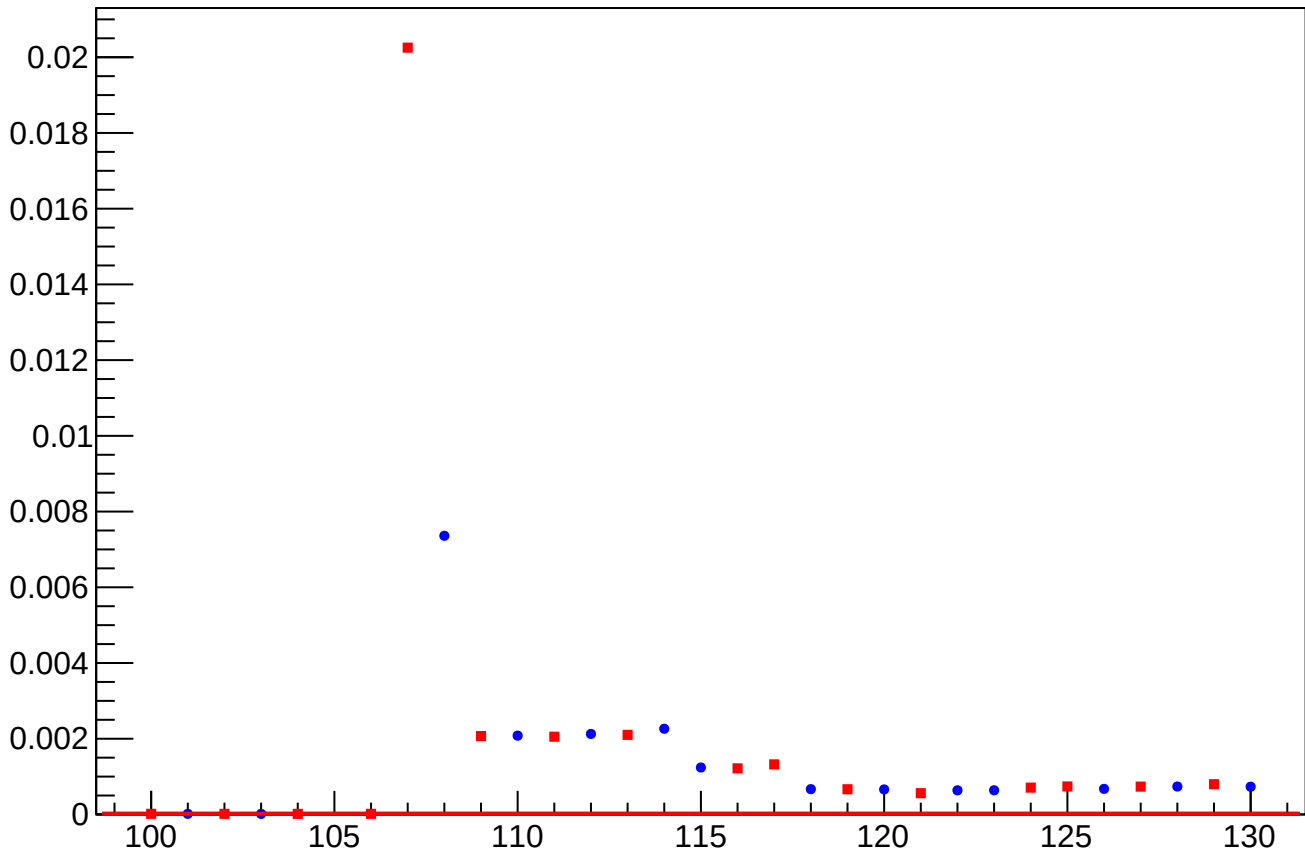
Right Out: 0.447+/-0.000 χ^2/NDF : 404232586414163.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.662+/-0.000 χ^2/NDF : 3179603915329.1/13

0.447+/-0.000 χ^2/NDF : 404232586414163.6/15

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7521998.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

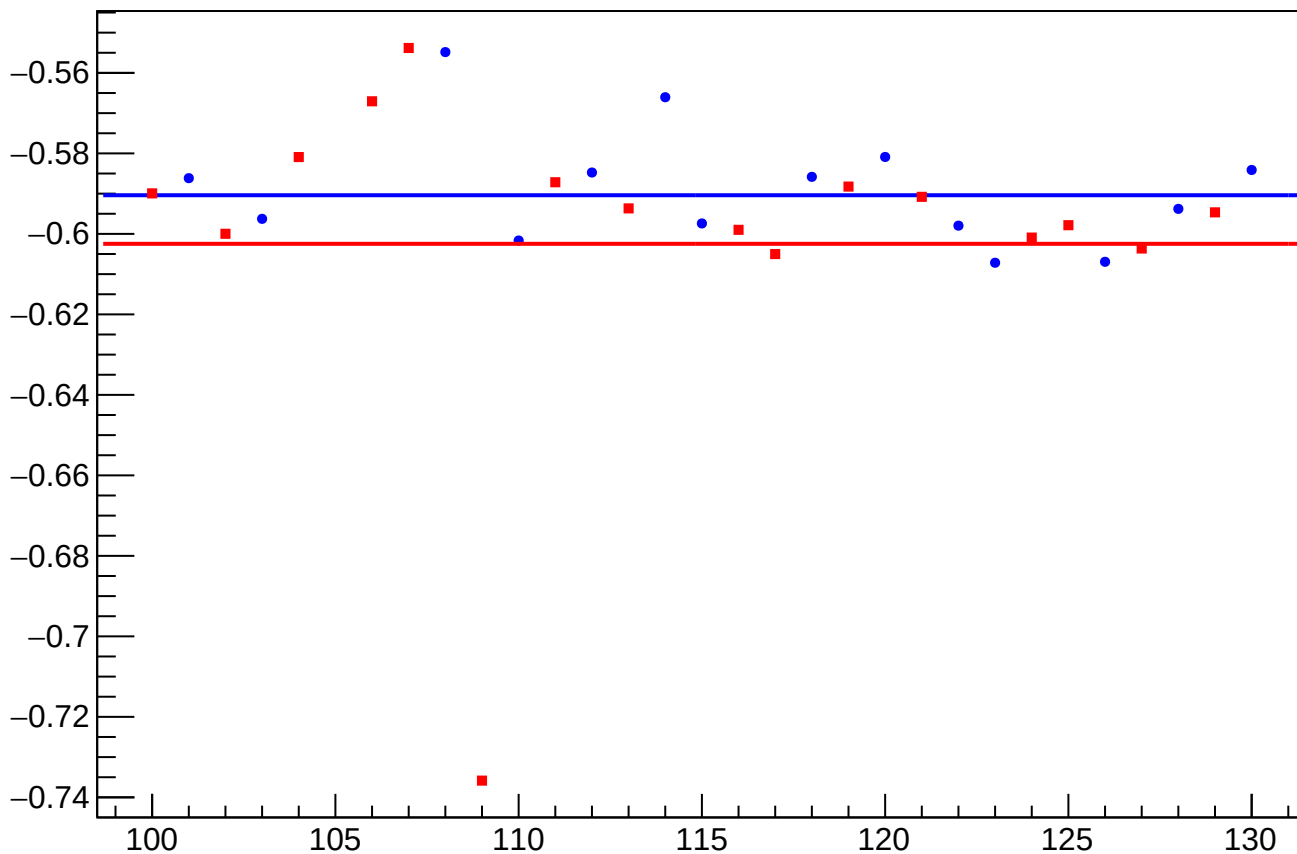
Right Out: 0.000+/-0.000 χ^2/NDF : 6974358.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 7521998.7/13

0.000+/-0.000 χ^2/NDF : 6974358.7/15

yield_bpm4aX_mean vs Slug



Right In: -0.590+/-0.000 χ^2/NDF : 960696.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

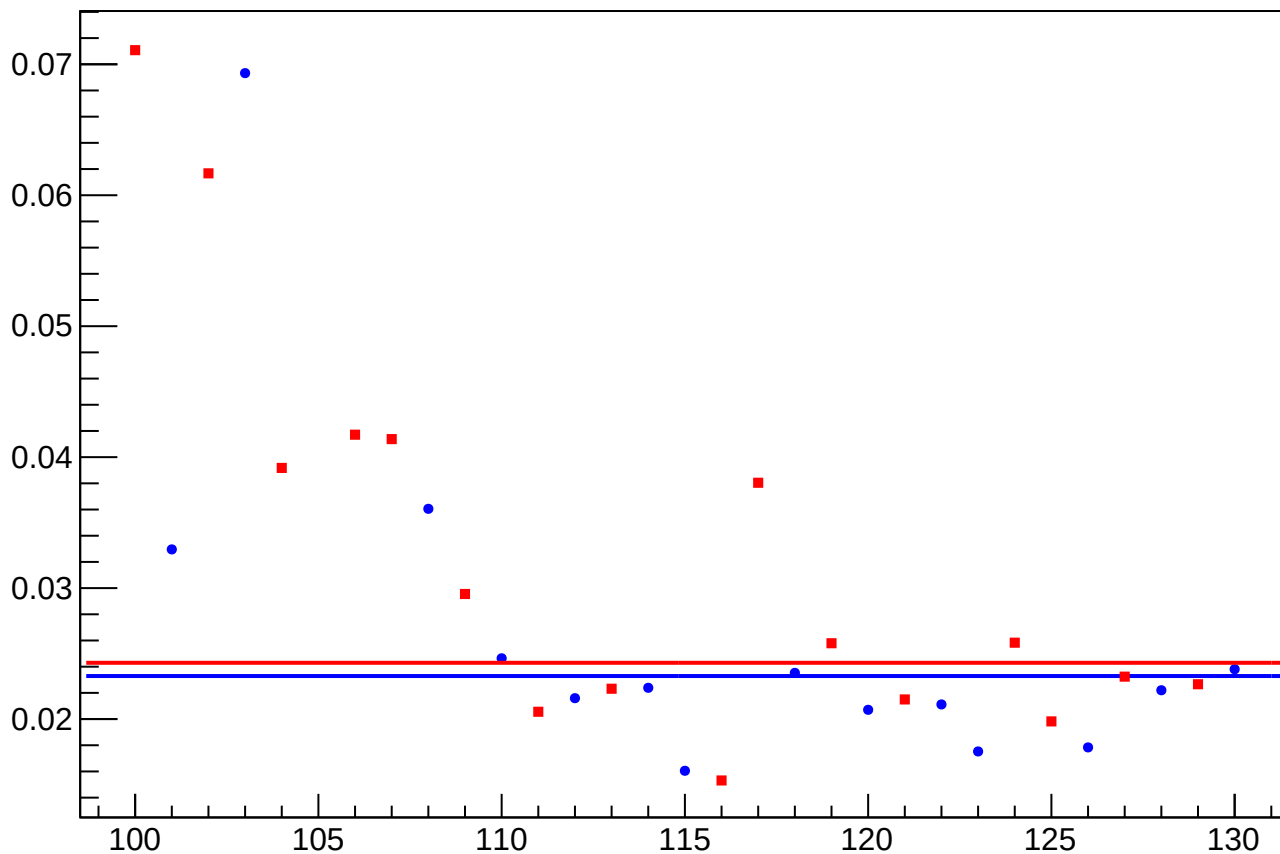
Right Out: -0.602+/-0.000 χ^2/NDF : 10193904.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-0.590+/-0.000 χ^2/NDF : 960696.1/13

-0.602+/-0.000 χ^2/NDF : 10193904.0/15

yield_bpm4aX_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 781251.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

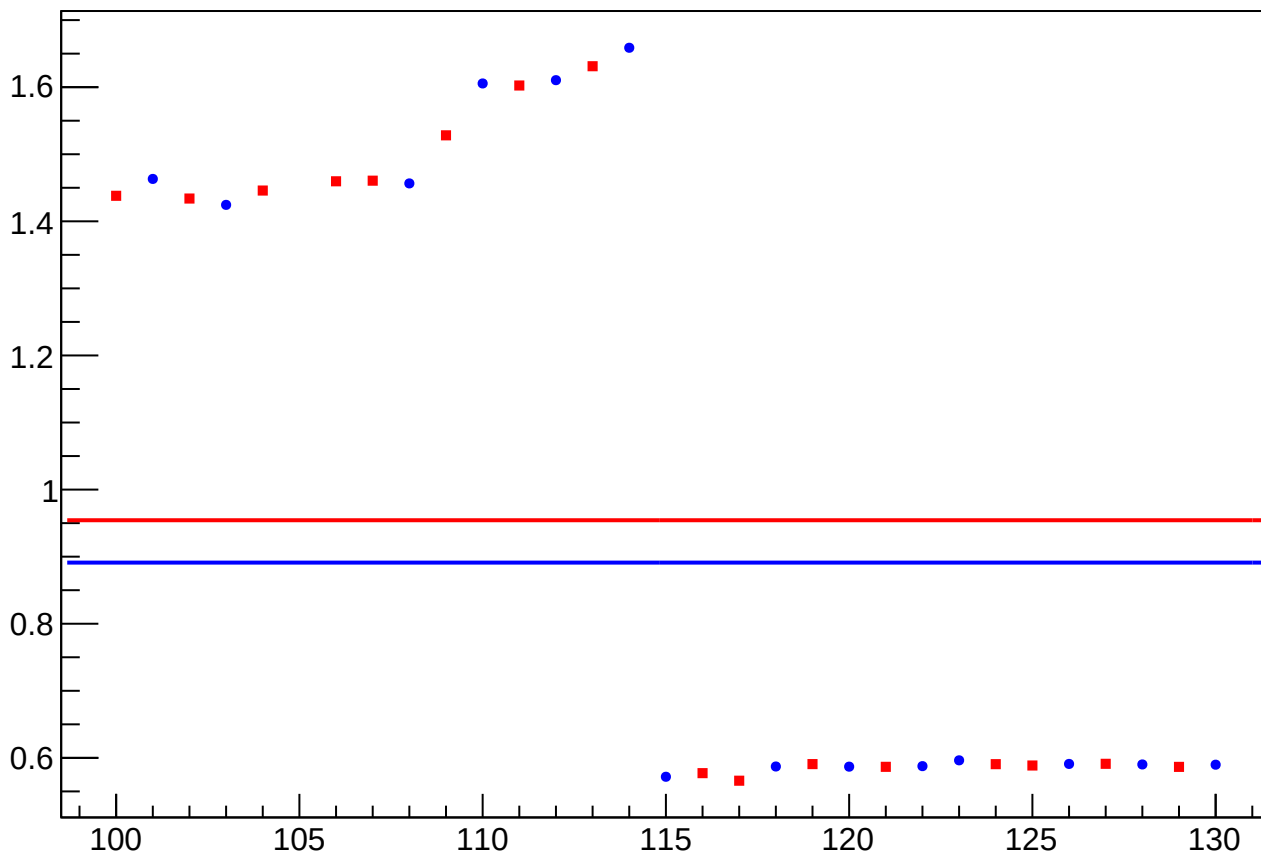
Right Out: 0.024+/-0.000 χ^2/NDF : 954616.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.023+/-0.000 χ^2/NDF : 781251.9/13

0.024+/-0.000 χ^2/NDF : 954616.4/15

yield_bpm4aY_mean vs Slug



Right In: 0.891+/-0.000 χ^2/NDF : 3083849122.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

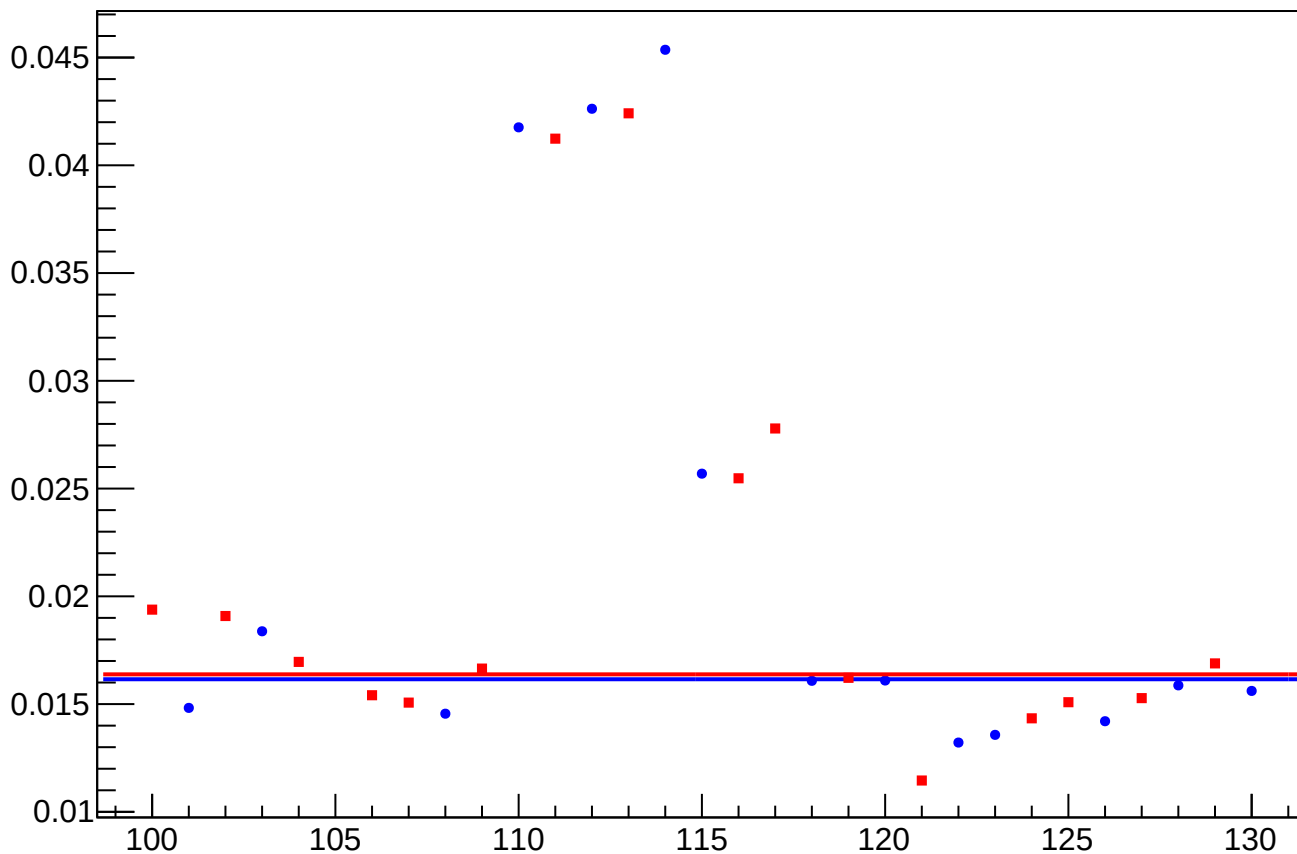
Right Out: 0.954+/-0.000 χ^2/NDF : 3425194814.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.891+/-0.000 χ^2/NDF : 3083849122.0/13

0.954+/-0.000 χ^2/NDF : 3425194814.1/15

yield_bpm4aY_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 799689.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

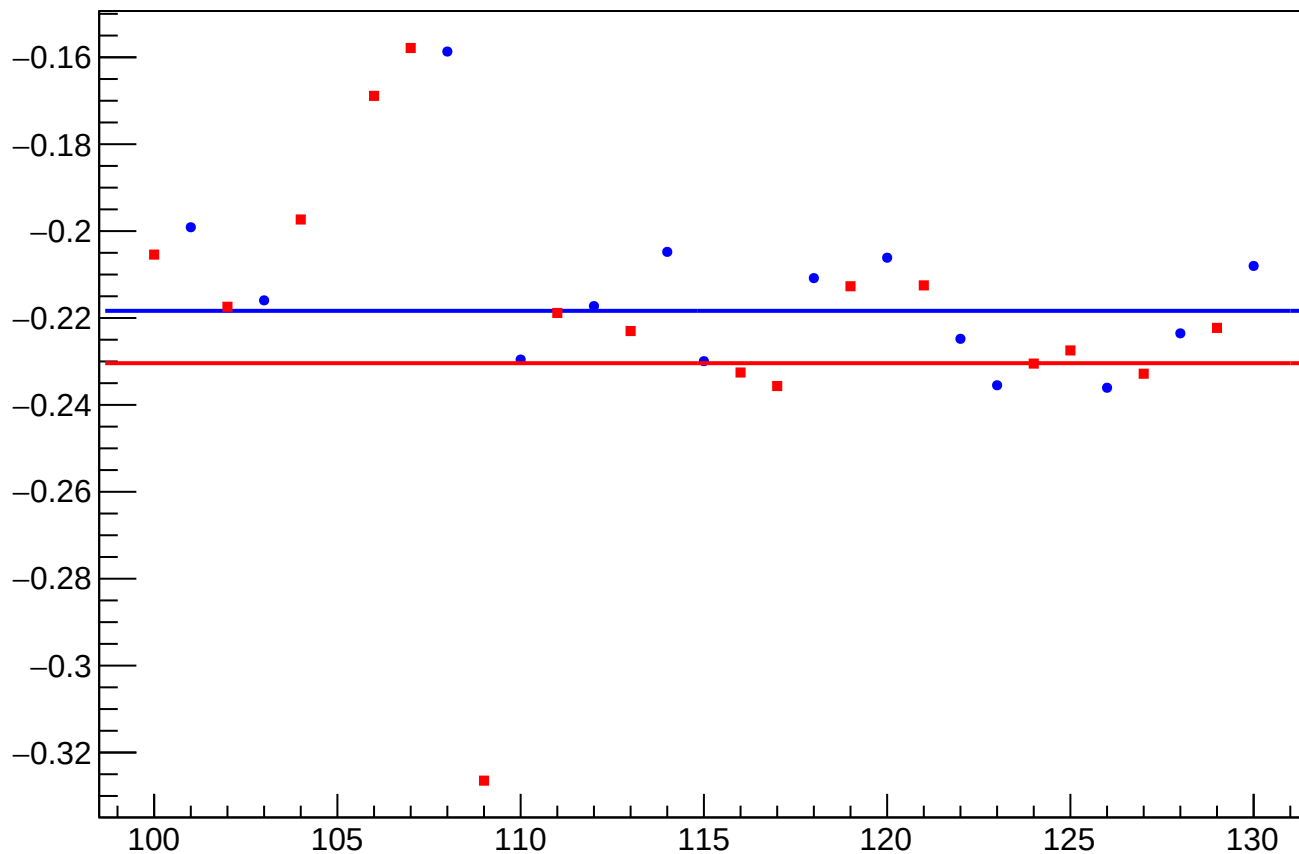
Right Out: 0.016+/-0.000 χ^2/NDF : 879801.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.016+/-0.000 χ^2/NDF : 799689.3/13

0.016+/-0.000 χ^2/NDF : 879801.9/15

yield_bpm4eX_mean vs Slug



Right In: -0.218+/-0.000 χ^2/NDF : 2030736.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

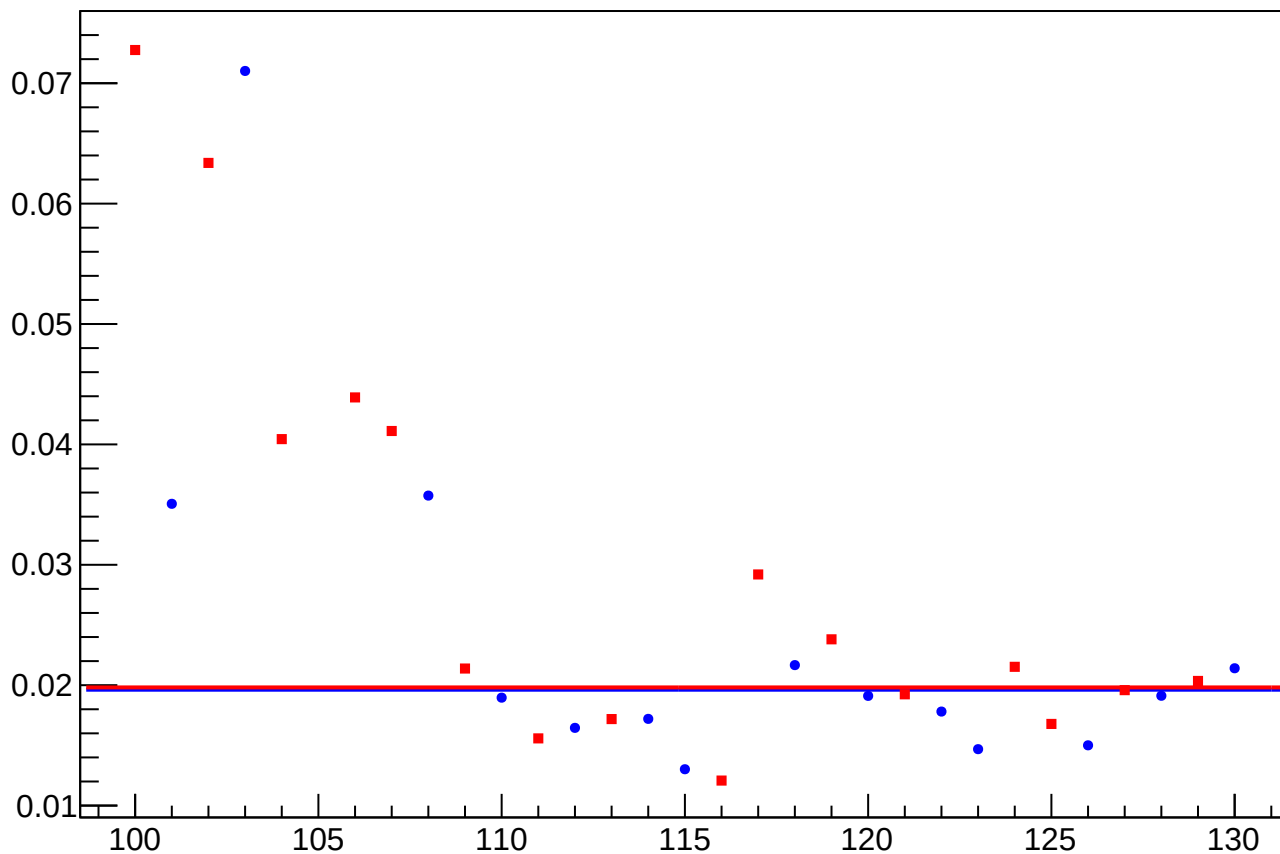
Right Out: -0.230+/-0.000 χ^2/NDF : 11195244.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-0.218+/-0.000 χ^2/NDF : 2030736.4/13

-0.230+/-0.000 χ^2/NDF : 11195244.1/15

yield_bpm4eX_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF : 1073077.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

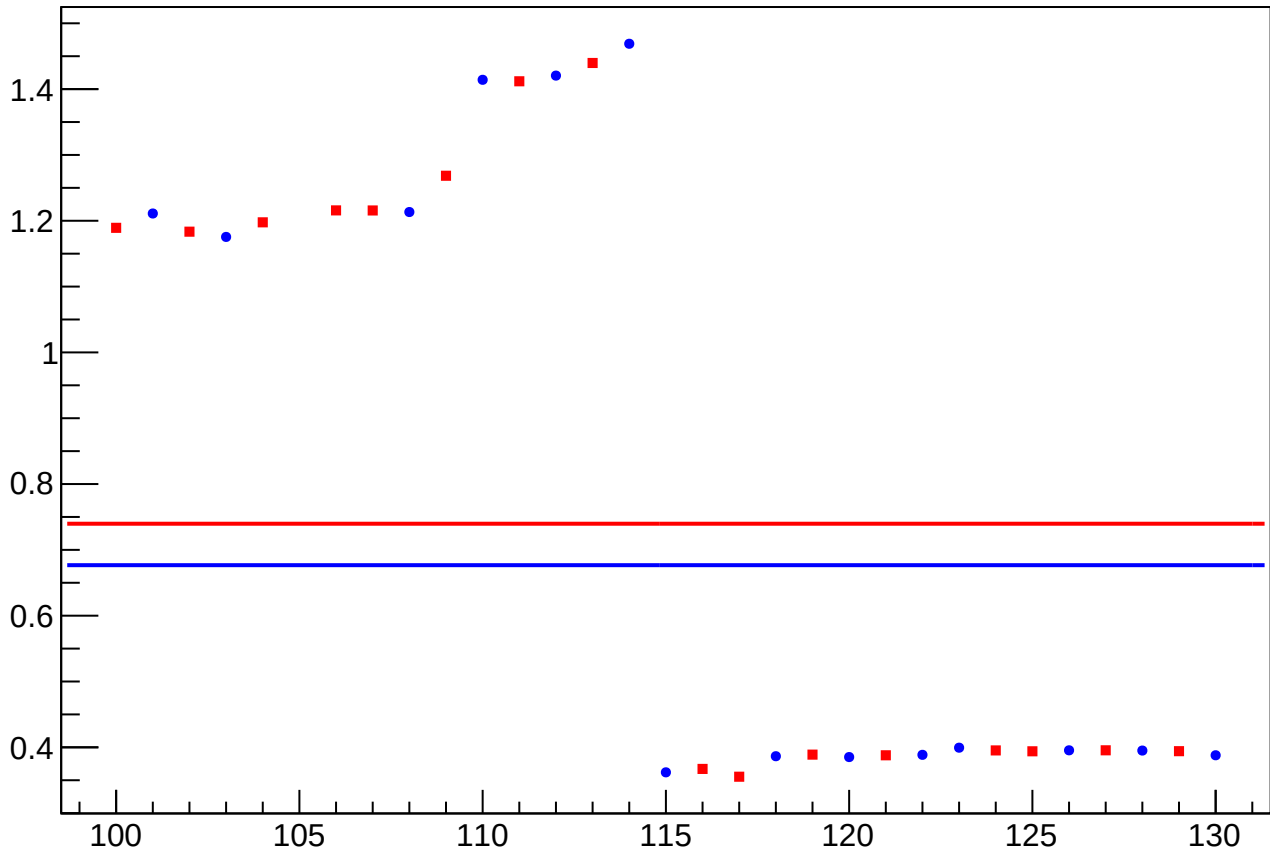
Right Out: 0.020+/-0.000 χ^2/NDF : 1319467.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.020+/-0.000 χ^2/NDF : 1073077.3/13

0.020+/-0.000 χ^2/NDF : 1319467.8/15

yield_bpm4eY_mean vs Slug



Right In: 0.677 $\pm$ 0.000 χ^2 /NDF: 4033740173.8/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

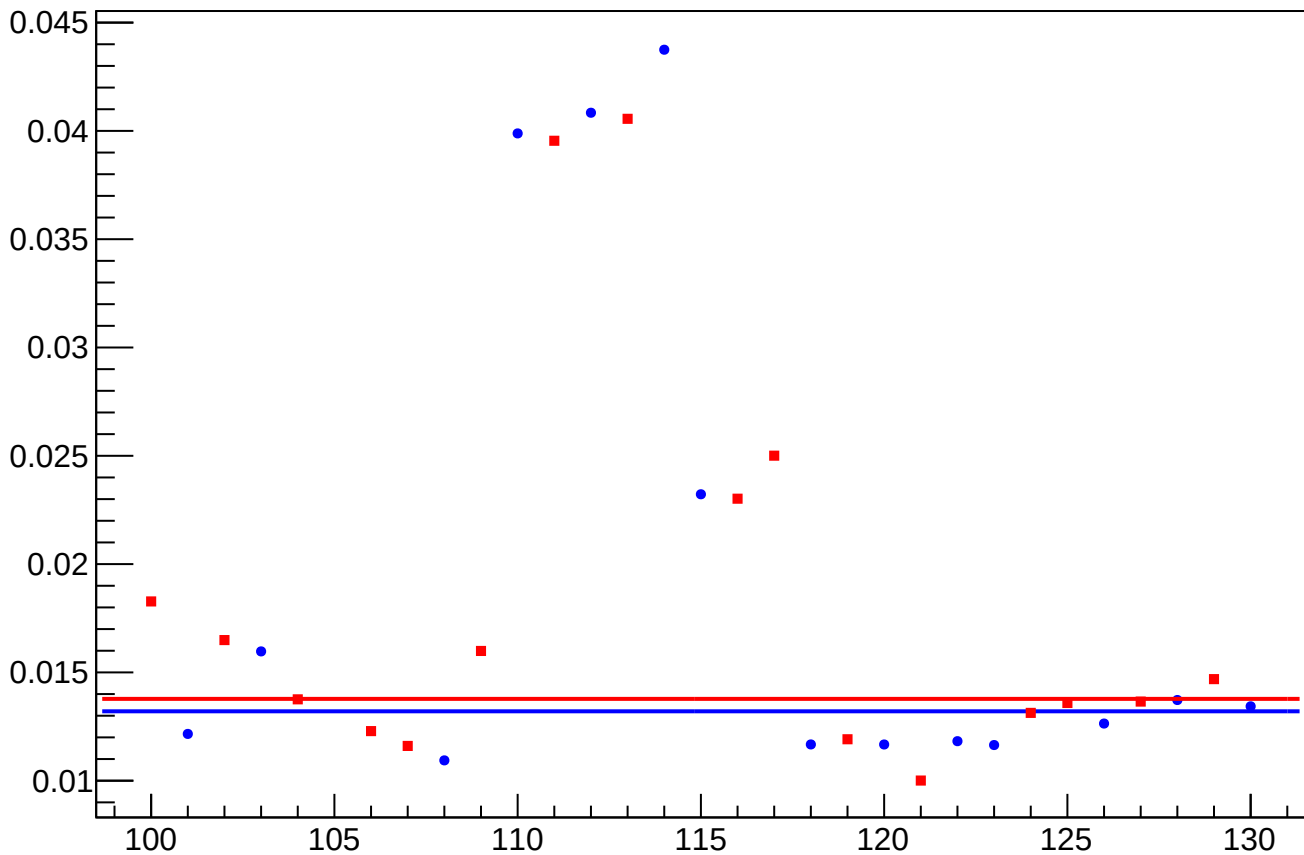
0.677 $\pm$ 0.000 χ^2 /NDF: 4033740173.8/13

Right Out: 0.740 $\pm$ 0.000 χ^2 /NDF: 4187720190.6/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.740 $\pm$ 0.000 χ^2 /NDF: 4187720190.6/15

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 953983.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

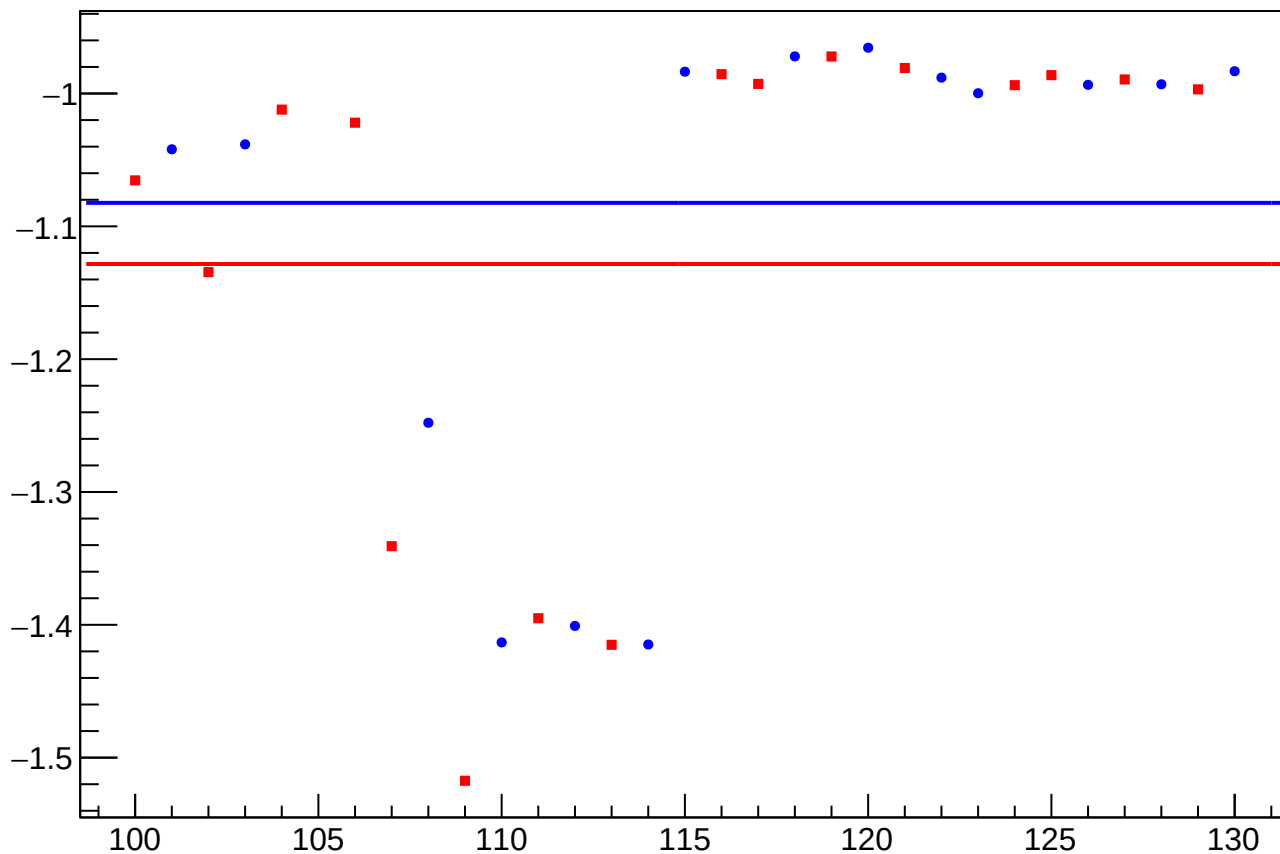
Right Out: 0.014+/-0.000 χ^2/NDF : 1021333.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.013+/-0.000 χ^2/NDF : 953983.9/13

0.014+/-0.000 χ^2/NDF : 1021333.4/15

yield_bpm4acX_mean vs Slug



Right In: -1.082+/-0.000 χ^2/NDF : 225751859.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

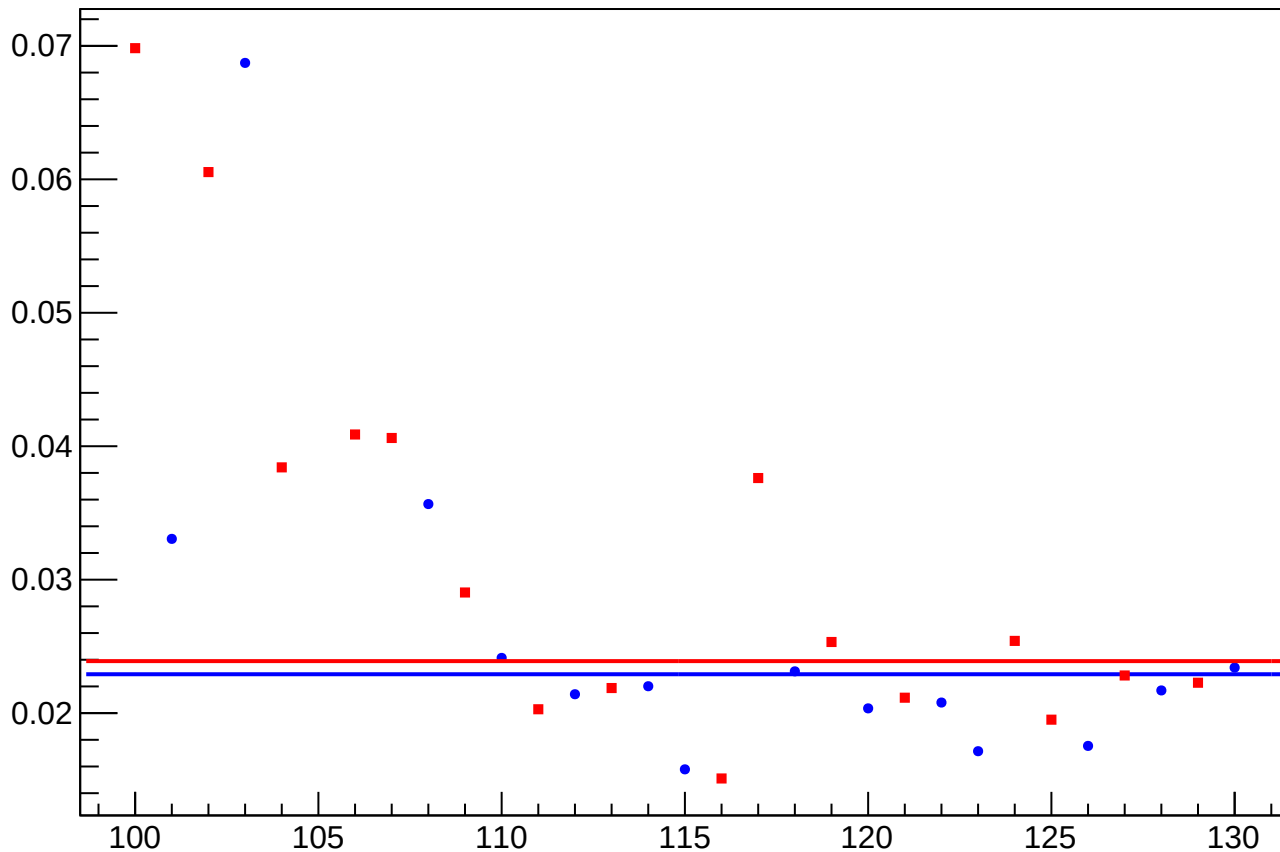
Right Out: -1.128+/-0.000 χ^2/NDF : 311856195.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-1.082+/-0.000 χ^2/NDF : 225751859.2/13

-1.128+/-0.000 χ^2/NDF : 311856195.5/15

yield_bpm4acX_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 792549.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

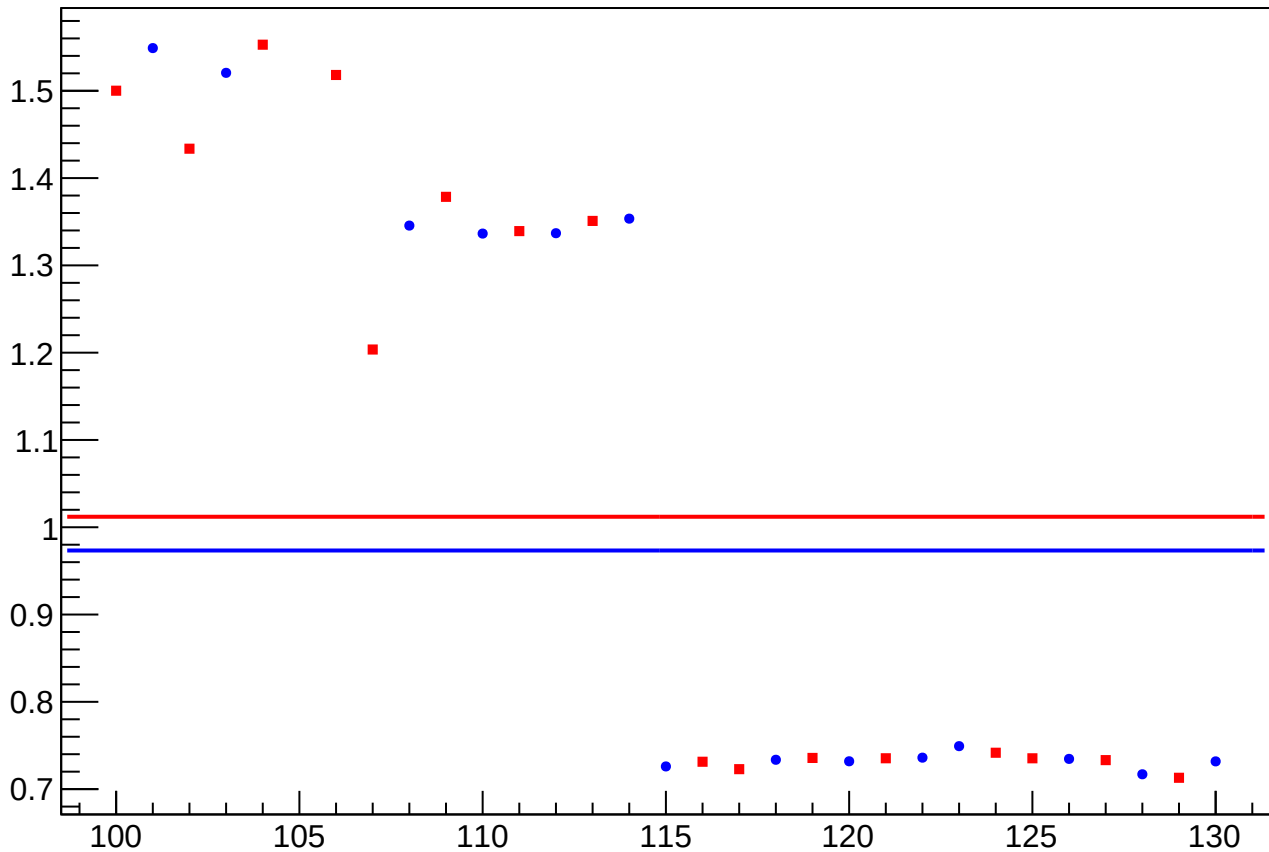
Right Out: 0.024+/-0.000 χ^2/NDF : 947833.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.023+/-0.000 χ^2/NDF : 792549.1/13

0.024+/-0.000 χ^2/NDF : 947833.1/15

yield_bpm4acY_mean vs Slug



Right In: 0.973+/-0.000 χ^2/NDF : 2083362280.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

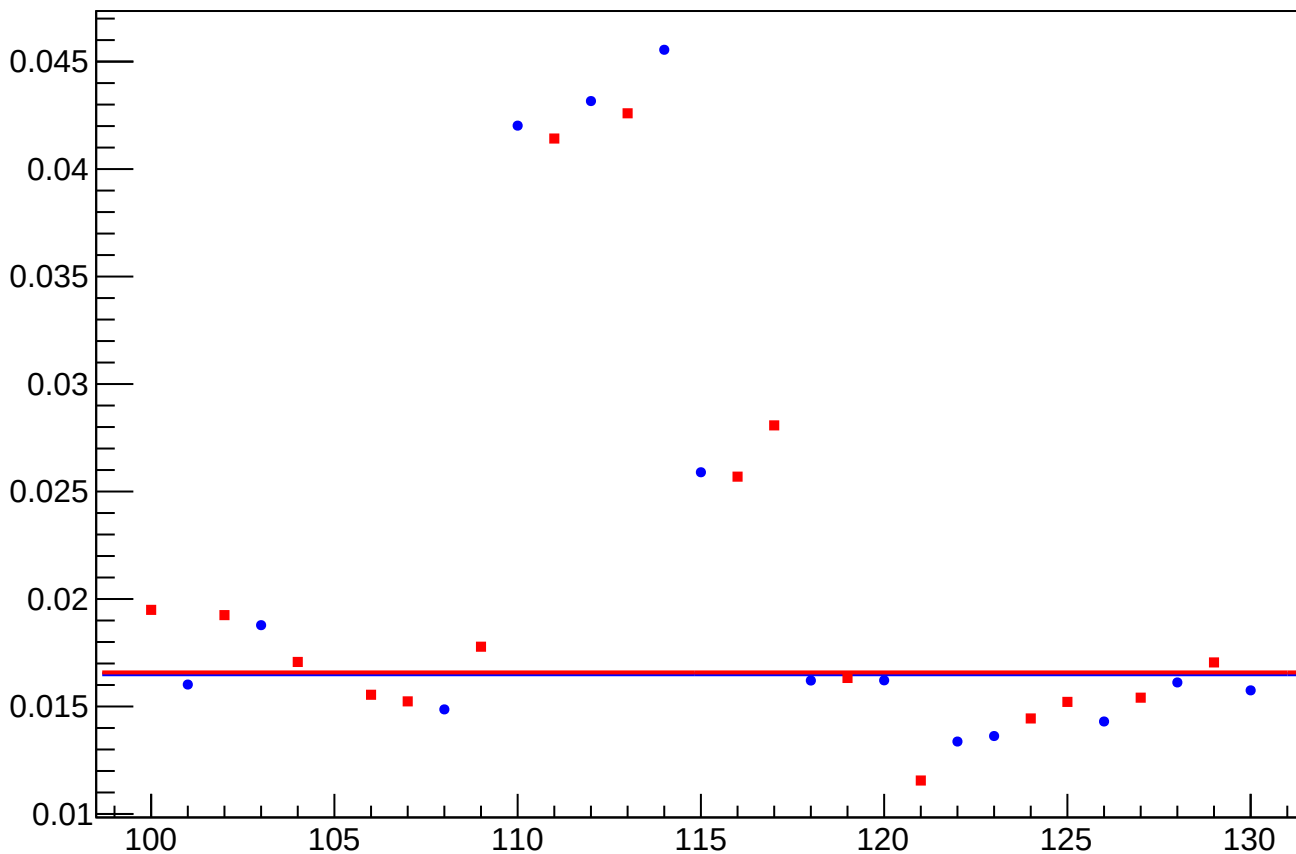
0.973+/-0.000 χ^2/NDF : 2083362280.3/13

Right Out: 1.012+/-0.000 χ^2/NDF : 2084281224.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1.012+/-0.000 χ^2/NDF : 2084281224.2/15

yield_bpm4acY_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 791005.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

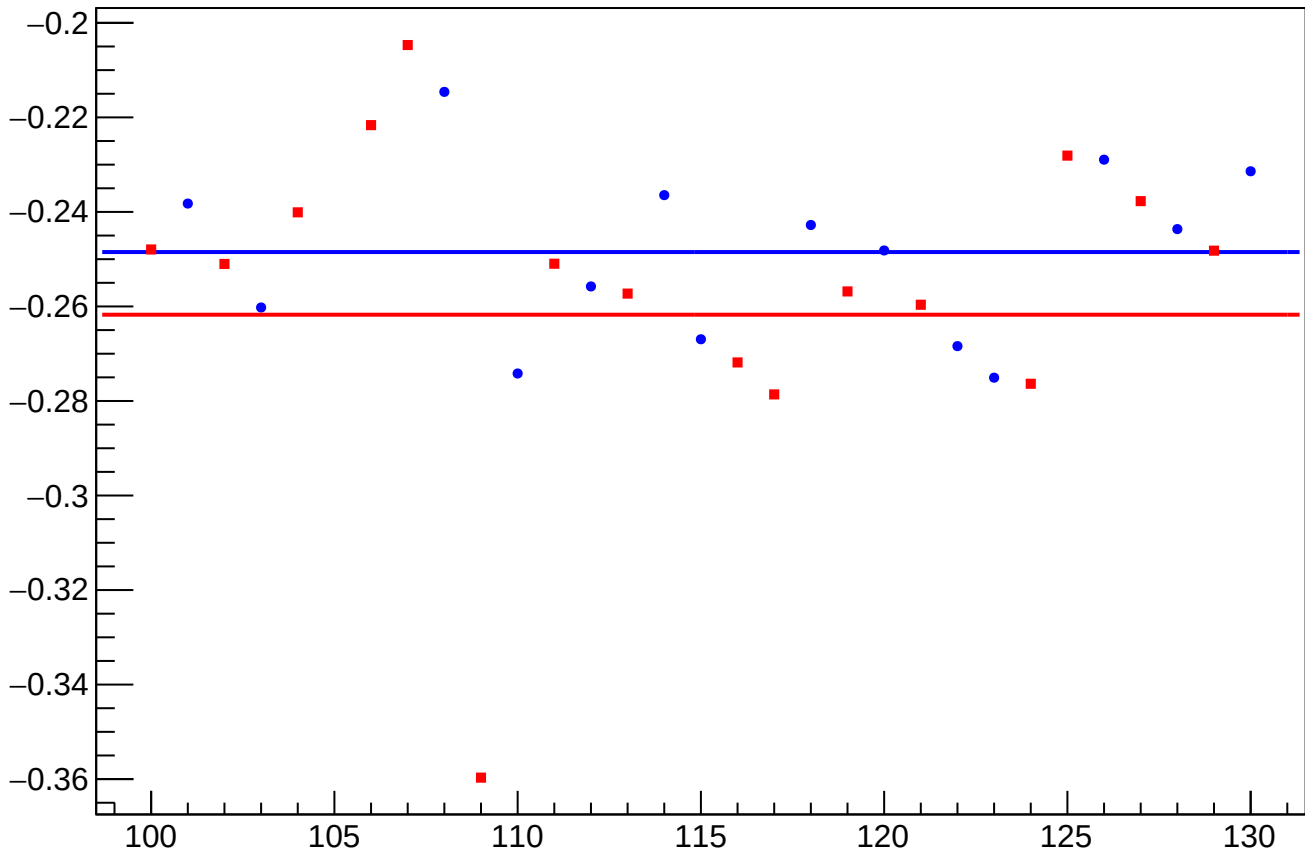
Right Out: 0.017+/-0.000 χ^2/NDF : 879116.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.017+/-0.000 χ^2/NDF : 791005.2/13

0.017+/-0.000 χ^2/NDF : 879116.0/15

yield_bpm4ecX_mean vs Slug



Right In: -0.248+/-0.000 χ^2 /NDF: 2461124.6/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

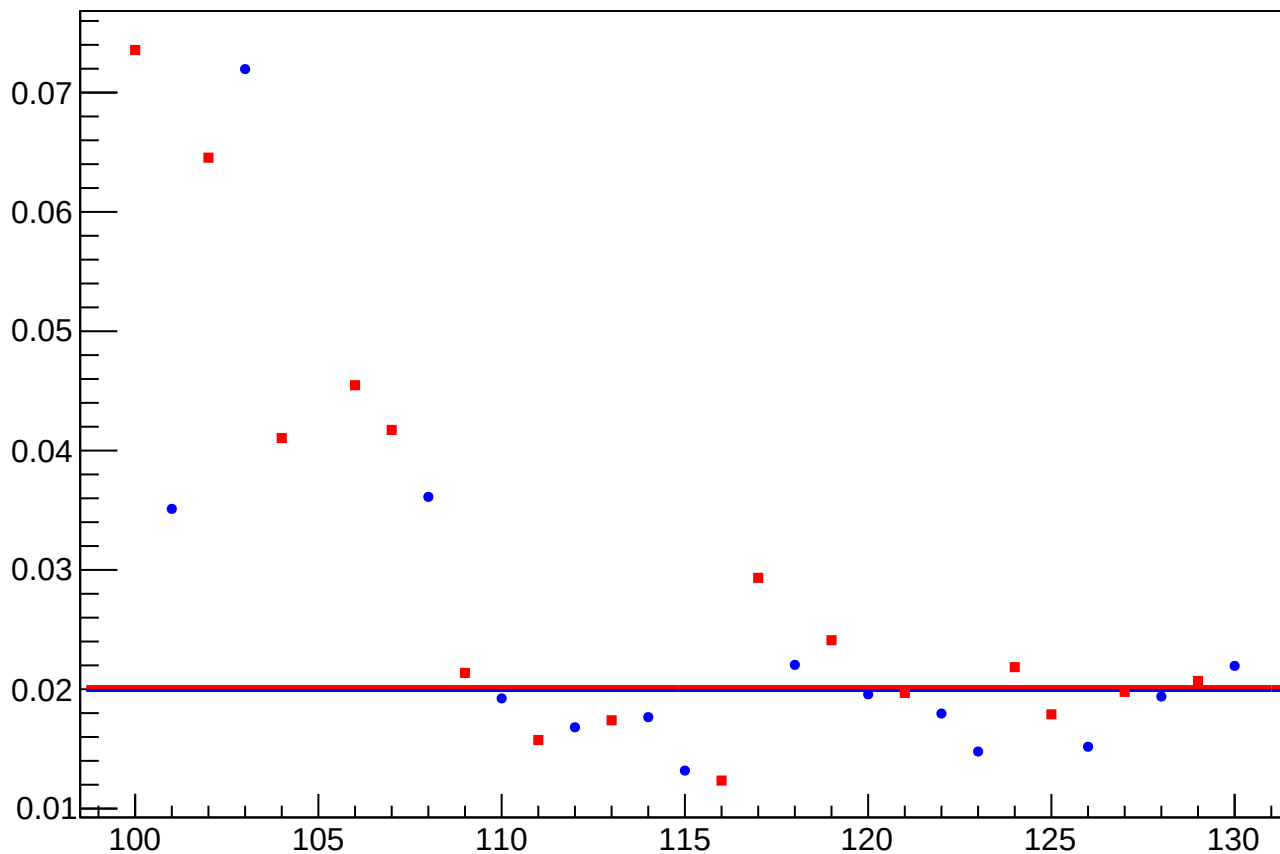
-0.248+/-0.000 χ^2 /NDF: 2461124.6/13

Right Out: -0.262+/-0.000 χ^2 /NDF: 11872799.3/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

-0.262+/-0.000 χ^2 /NDF: 11872799.3/15

yield_bpm4ecX_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF : 1063319.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

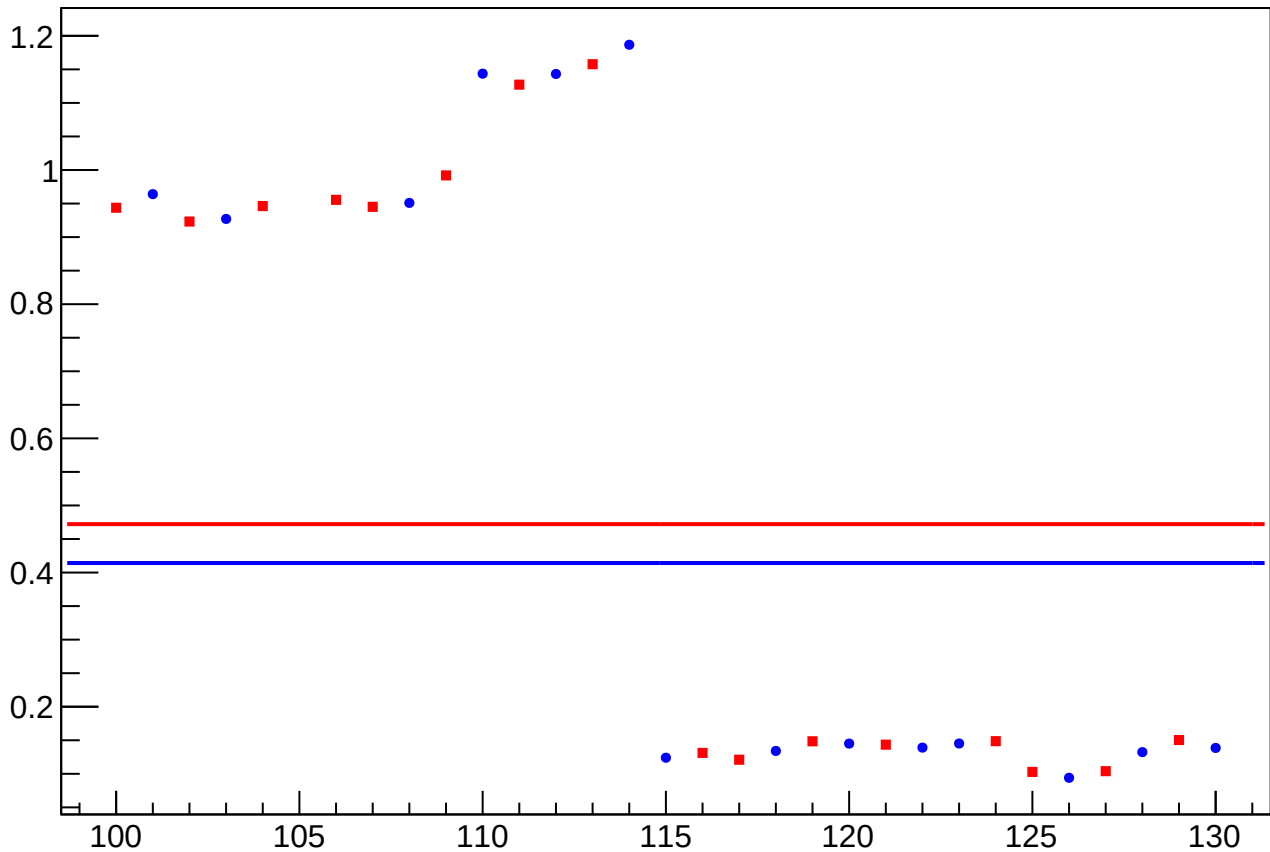
Right Out: 0.020+/-0.000 χ^2/NDF : 1315047.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.020+/-0.000 χ^2/NDF : 1063319.2/13

0.020+/-0.000 χ^2/NDF : 1315047.6/15

yield_bpm4ecY_mean vs Slug



Right In: 0.414+/-0.000 χ^2/NDF : 4100363751.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

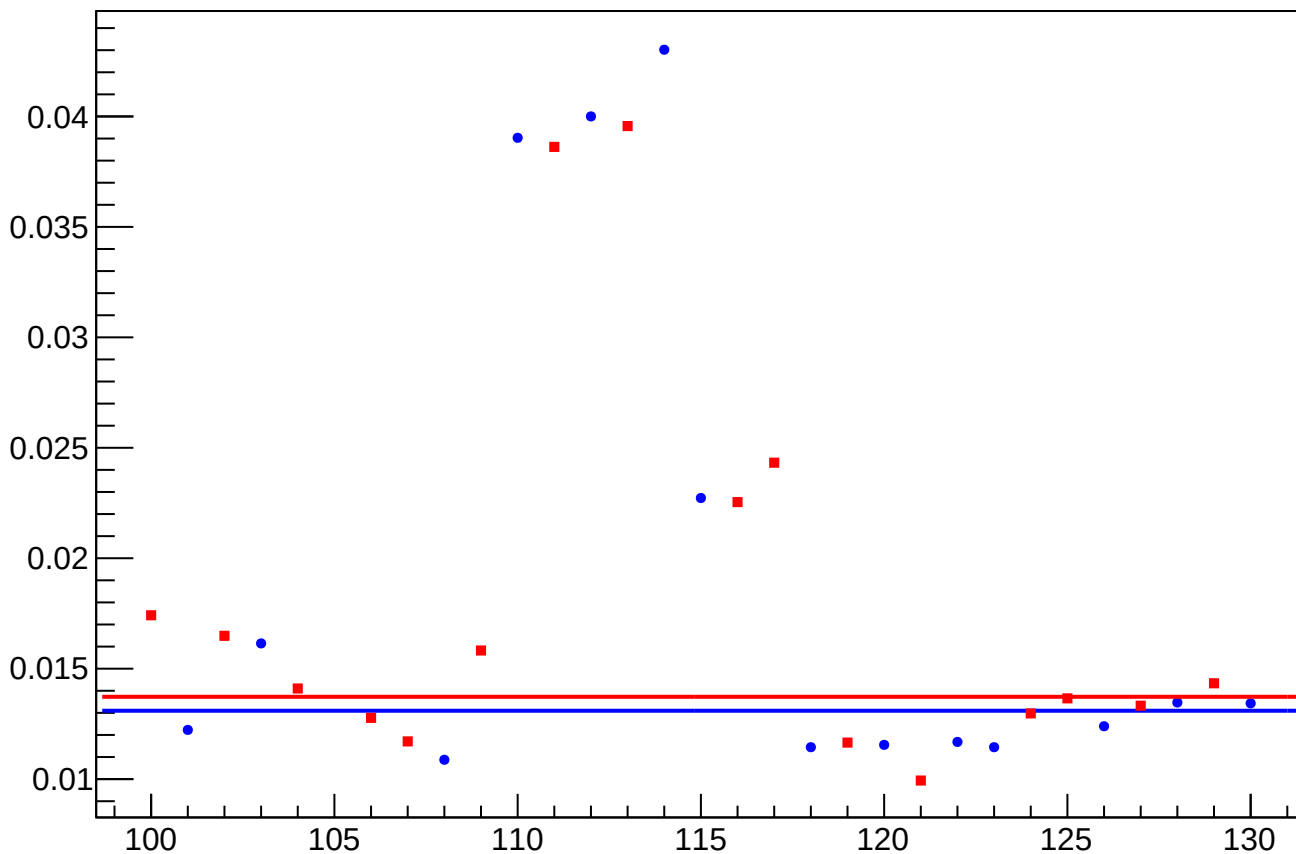
0.414+/-0.000 χ^2/NDF : 4100363751.3/13

Right Out: 0.472+/-0.000 χ^2/NDF : 4133741595.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.472+/-0.000 χ^2/NDF : 4133741595.9/15

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 952033.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

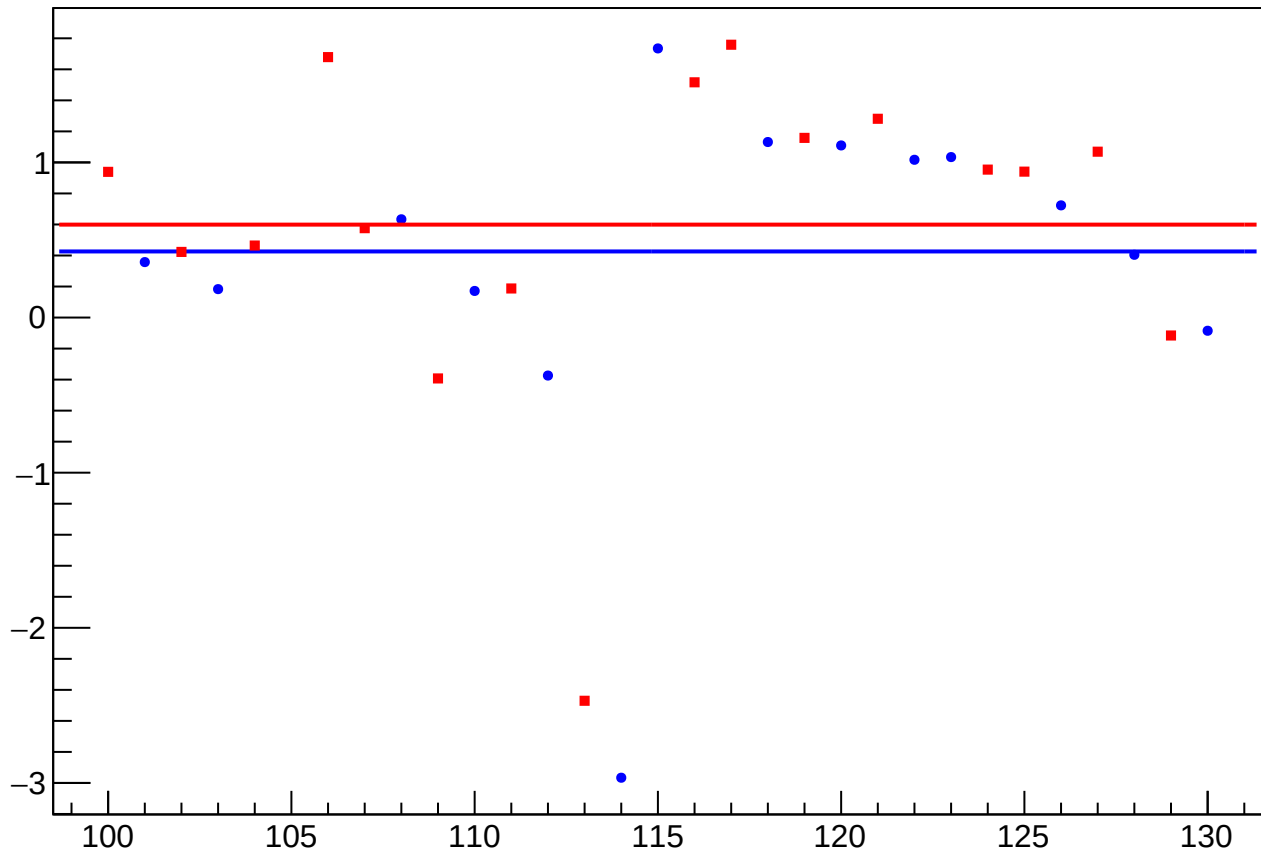
Right Out: 0.014+/-0.000 χ^2/NDF : 1000620.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.013+/-0.000 χ^2/NDF : 952033.8/13

0.014+/-0.000 χ^2/NDF : 1000620.9/15

yield_bpm1X_mean vs Slug



Right In: 0.426+/-0.000 χ^2/NDF : 229991404.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

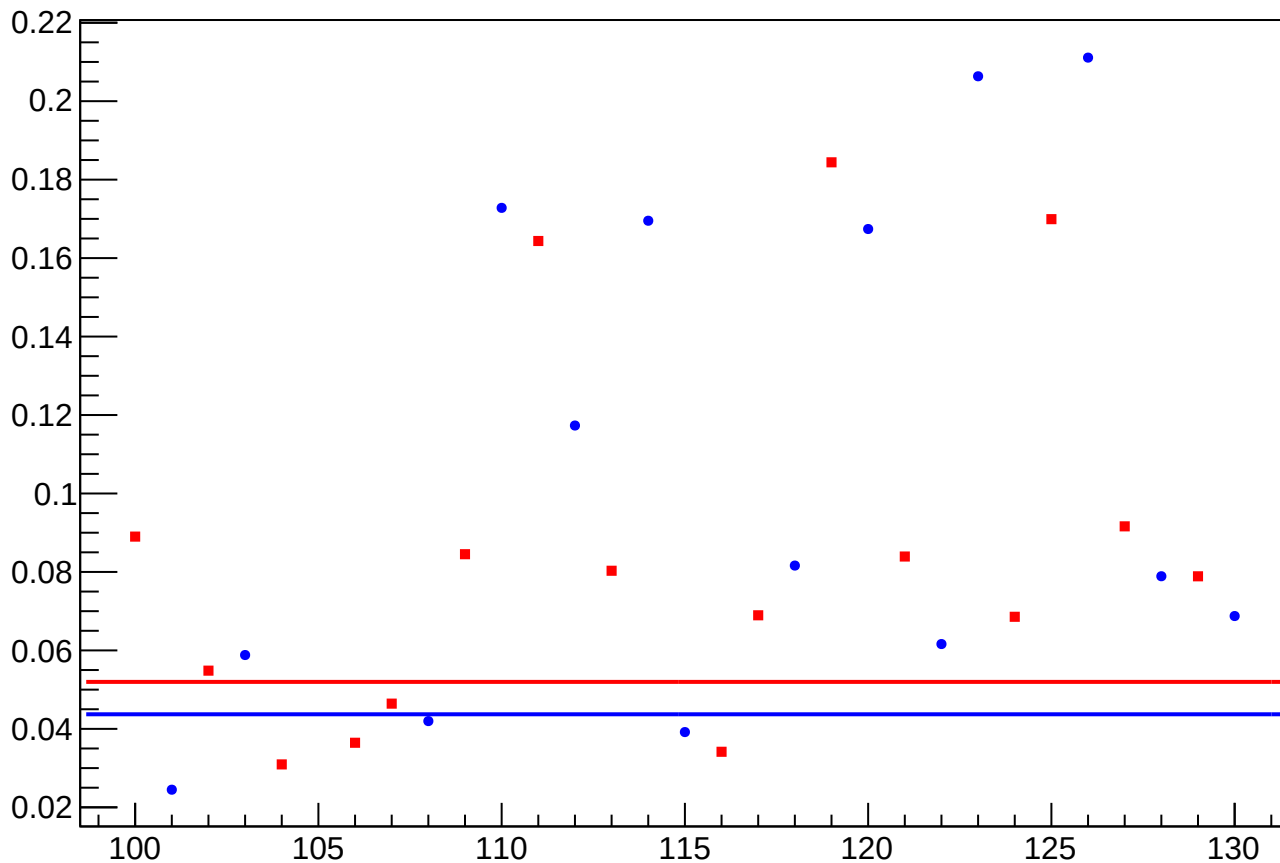
Right Out: 0.599+/-0.000 χ^2/NDF : 913174797.3/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.426+/-0.000 χ^2/NDF : 229991404.1/13

0.599+/-0.000 χ^2/NDF : 913174797.3/15

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF : 2737570.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

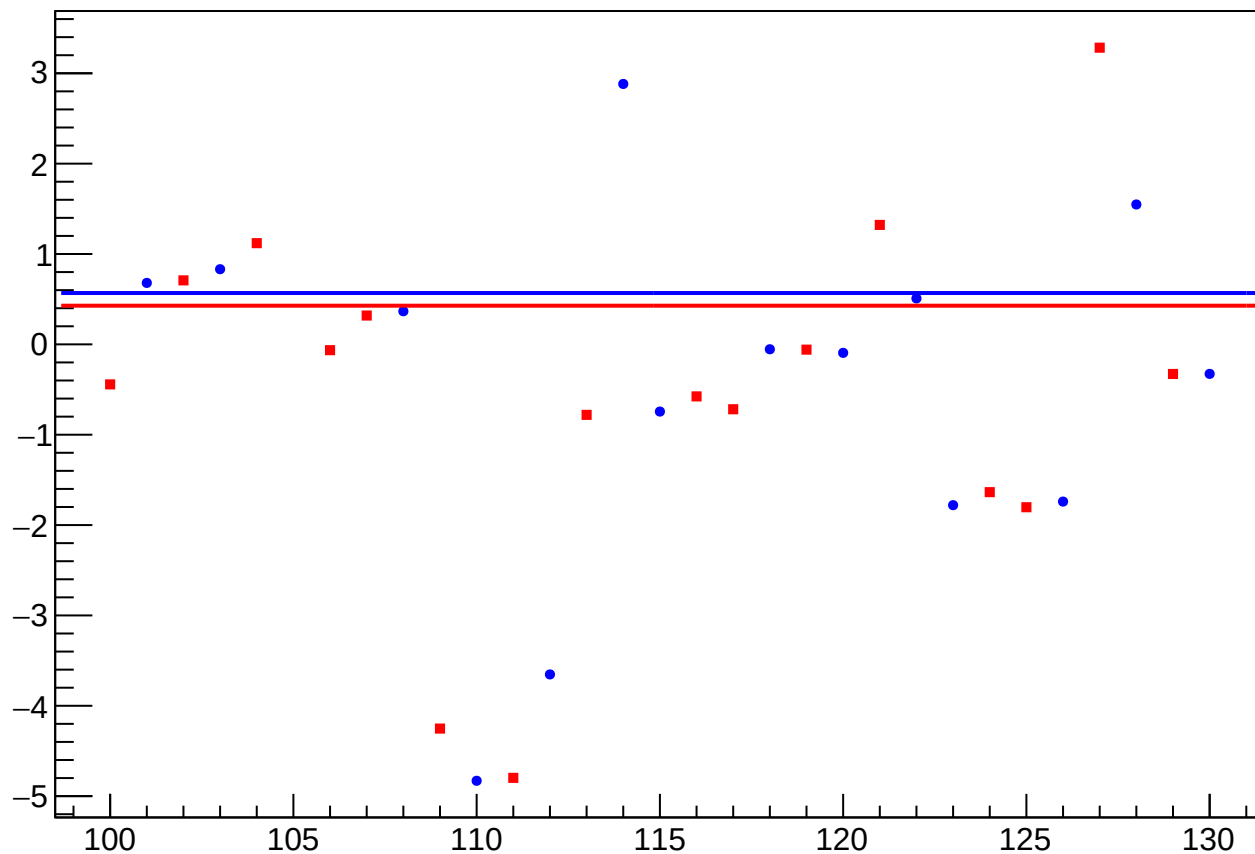
Right Out: 0.052+/-0.000 χ^2/NDF : 2149720.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.044+/-0.000 χ^2/NDF : 2737570.7/13

0.052+/-0.000 χ^2/NDF : 2149720.5/15

yield_bpm1Y_mean vs Slug



Right In: 0.568+/-0.000 χ^2/NDF : 1861115710.6/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

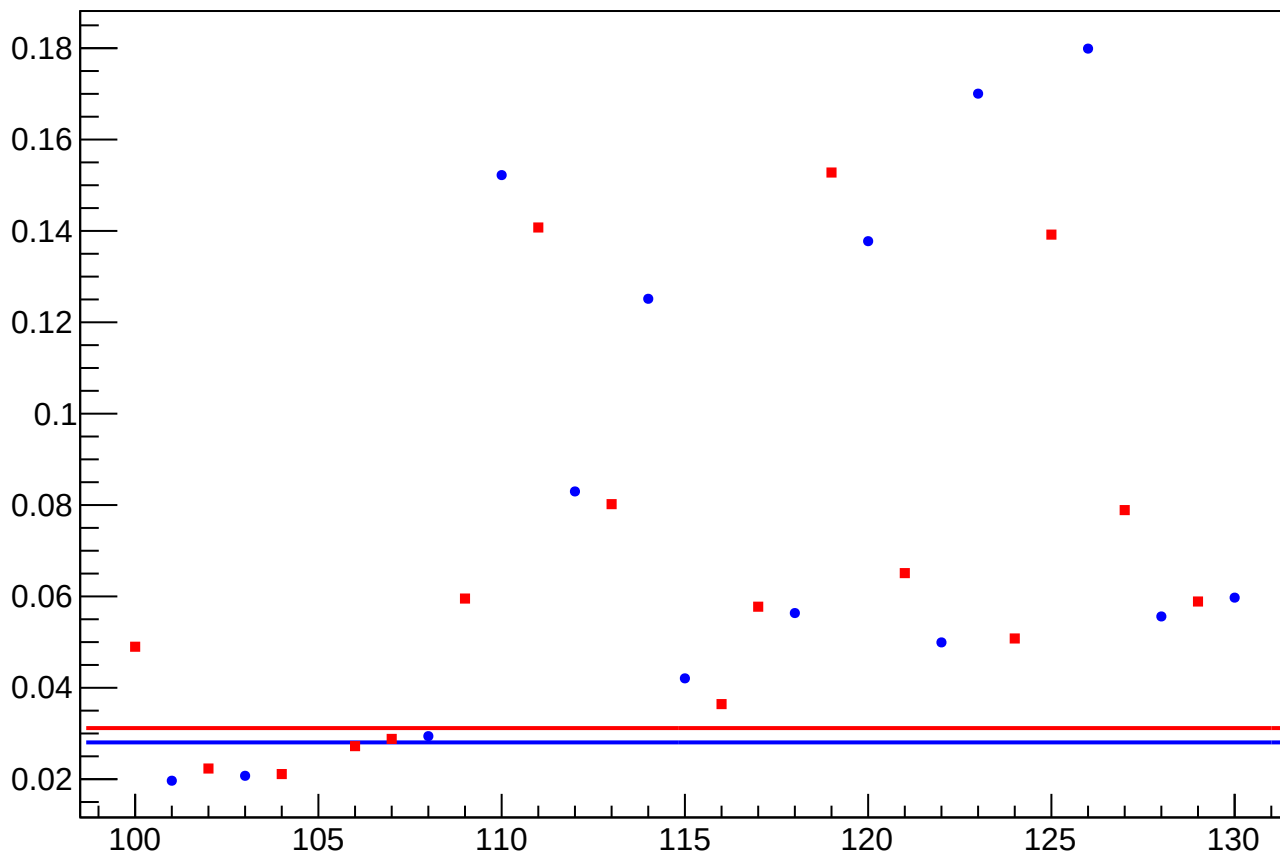
Right Out: 0.428+/-0.000 χ^2/NDF : 4339521133.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.568+/-0.000 χ^2/NDF : 1861115710.6/13

0.428+/-0.000 χ^2/NDF : 4339521133.1/15

yield_bpm1Y_rms vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 2793771.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

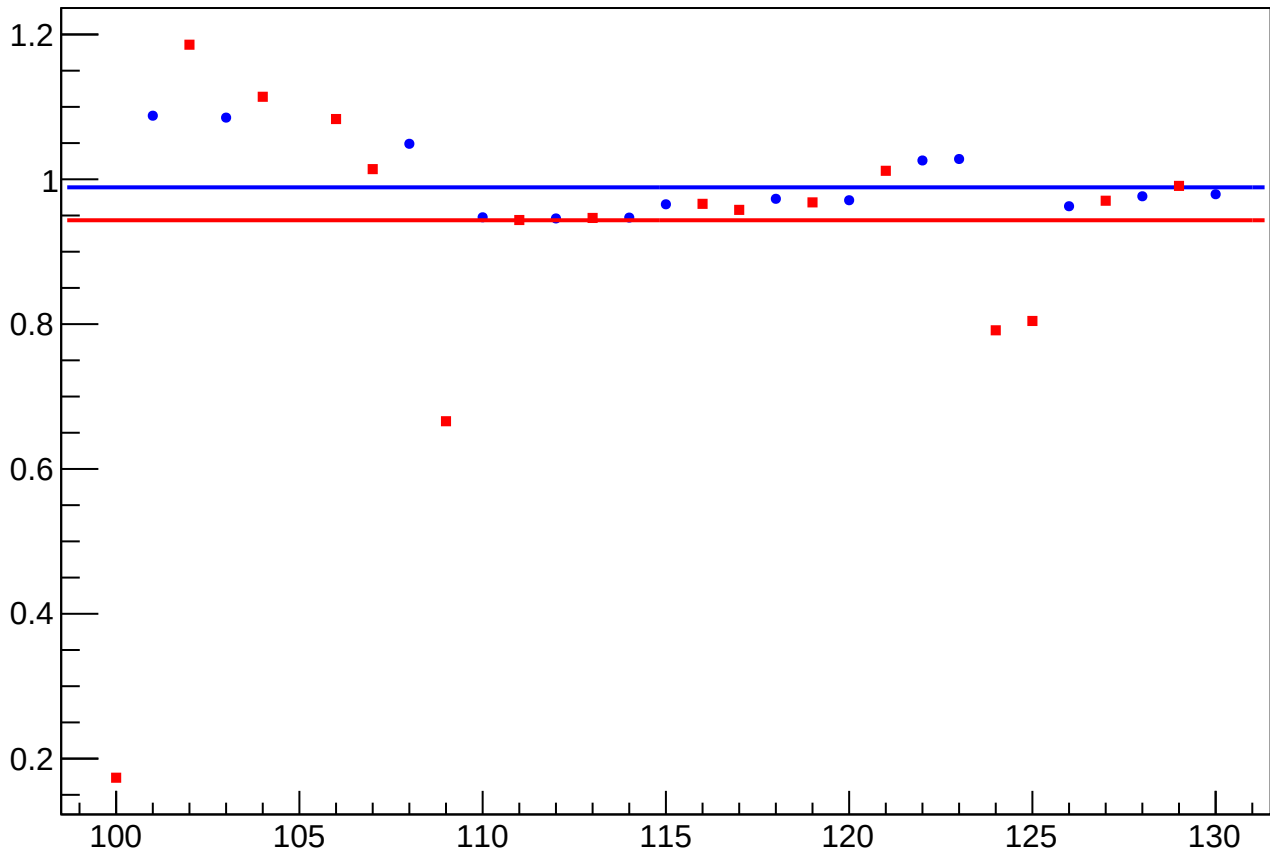
Right Out: 0.031+/-0.000 χ^2/NDF : 2817358.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.028+/-0.000 χ^2/NDF : 2793771.7/13

0.031+/-0.000 χ^2/NDF : 2817358.4/15

yield_bpm11X_mean vs Slug



Right In: 0.989+/-0.000 χ^2/NDF : 46117558.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

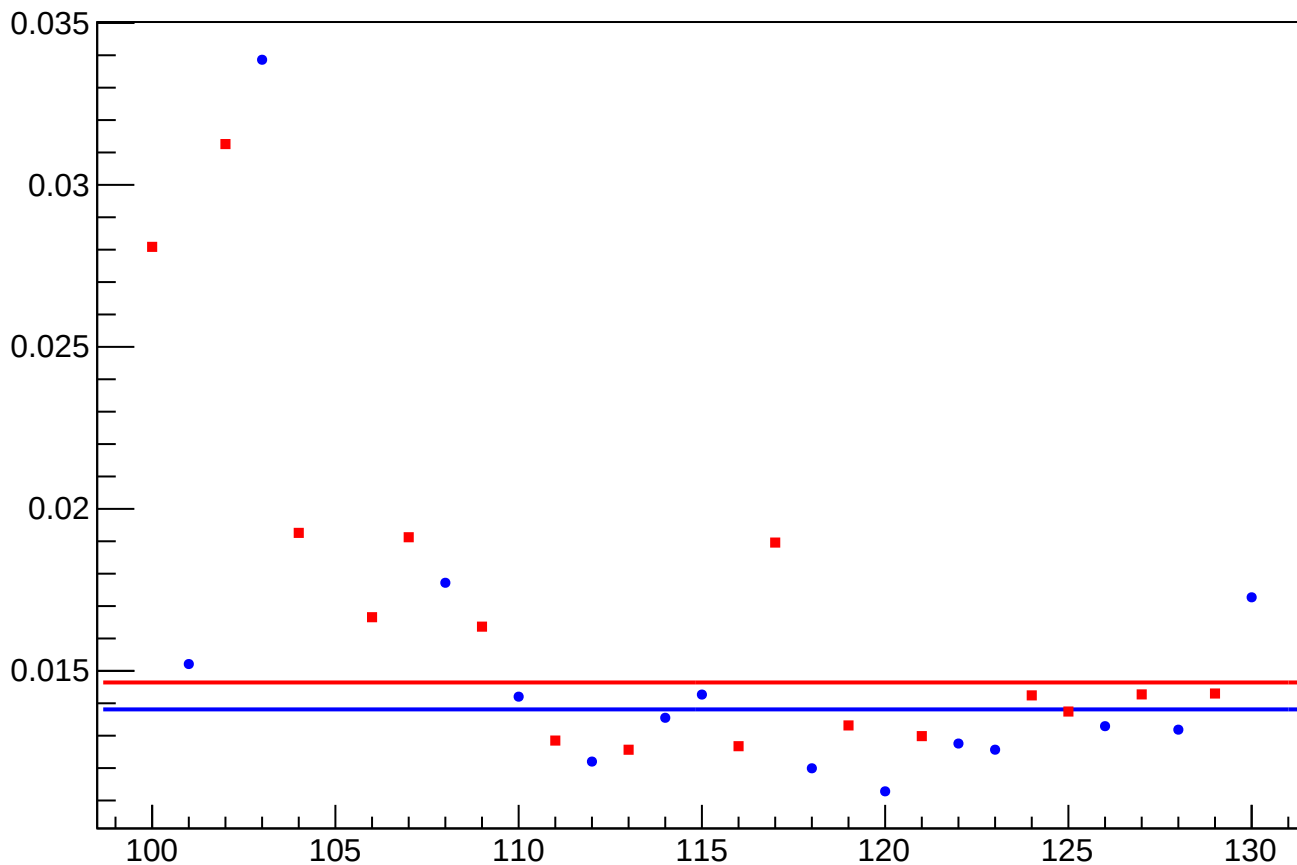
0.989+/-0.000 χ^2/NDF : 46117558.7/13

Right Out: 0.943+/-0.000 χ^2/NDF : 321041190.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.943+/-0.000 χ^2/NDF : 321041190.9/15

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 519619.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

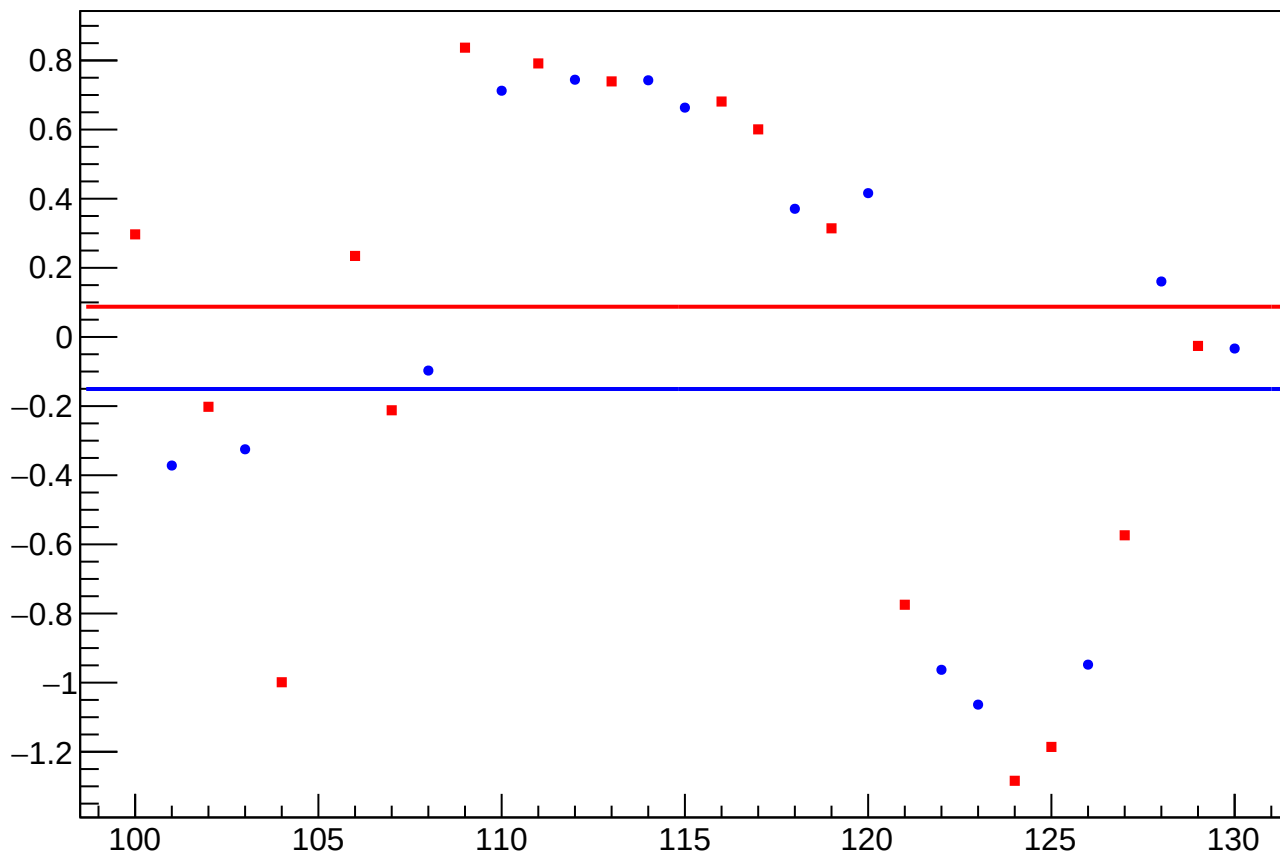
Right Out: 0.015+/-0.000 χ^2/NDF : 472494.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.014+/-0.000 χ^2/NDF : 519619.8/13

0.015+/-0.000 χ^2/NDF : 472494.2/15

yield_bpm11Y_mean vs Slug



Right In: -0.151+/-0.000 χ^2/NDF : 4619098271.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

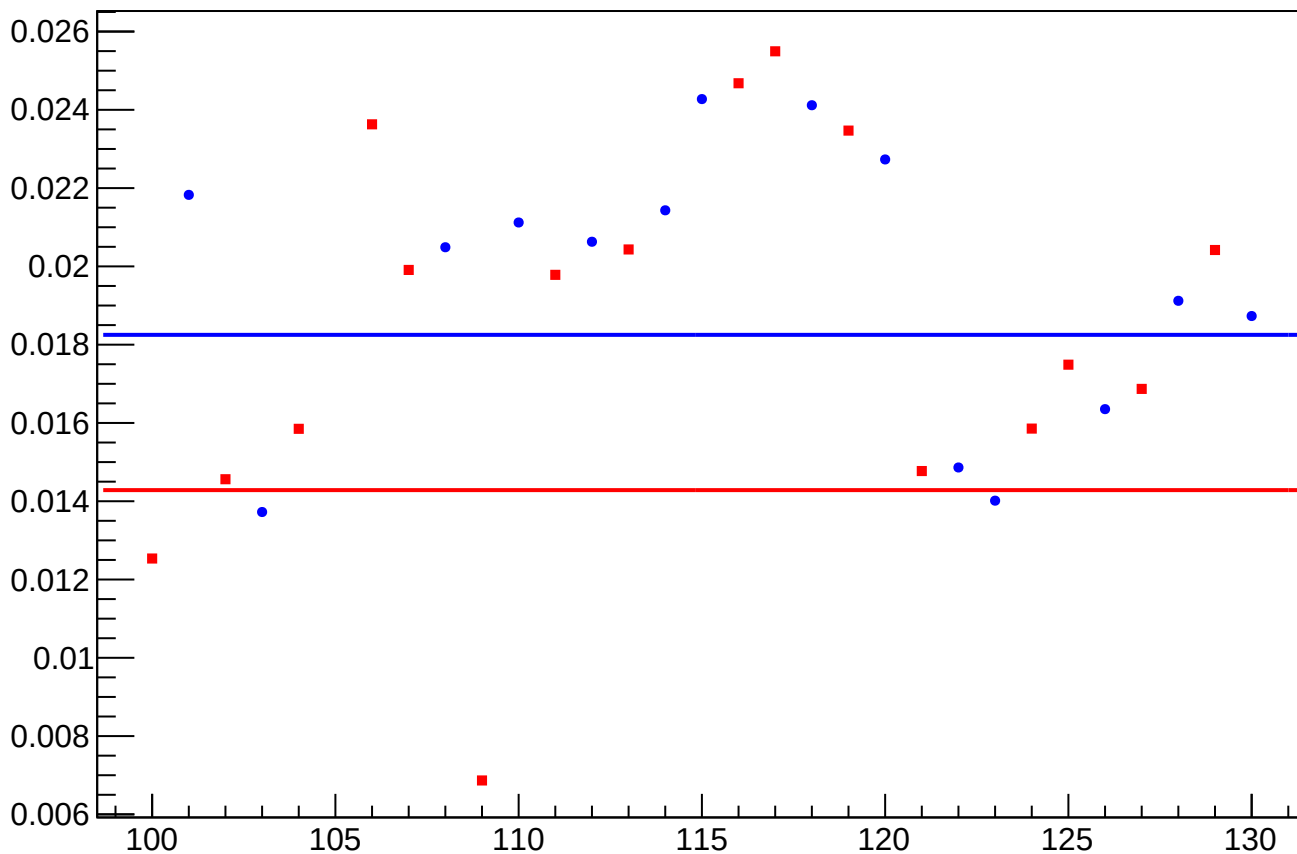
Right Out: 0.088+/-0.000 χ^2/NDF : 11784909554.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-0.151+/-0.000 χ^2/NDF : 4619098271.4/13

0.088+/-0.000 χ^2/NDF : 11784909554.9/15

yield_bpm11Y_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF : 337399.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

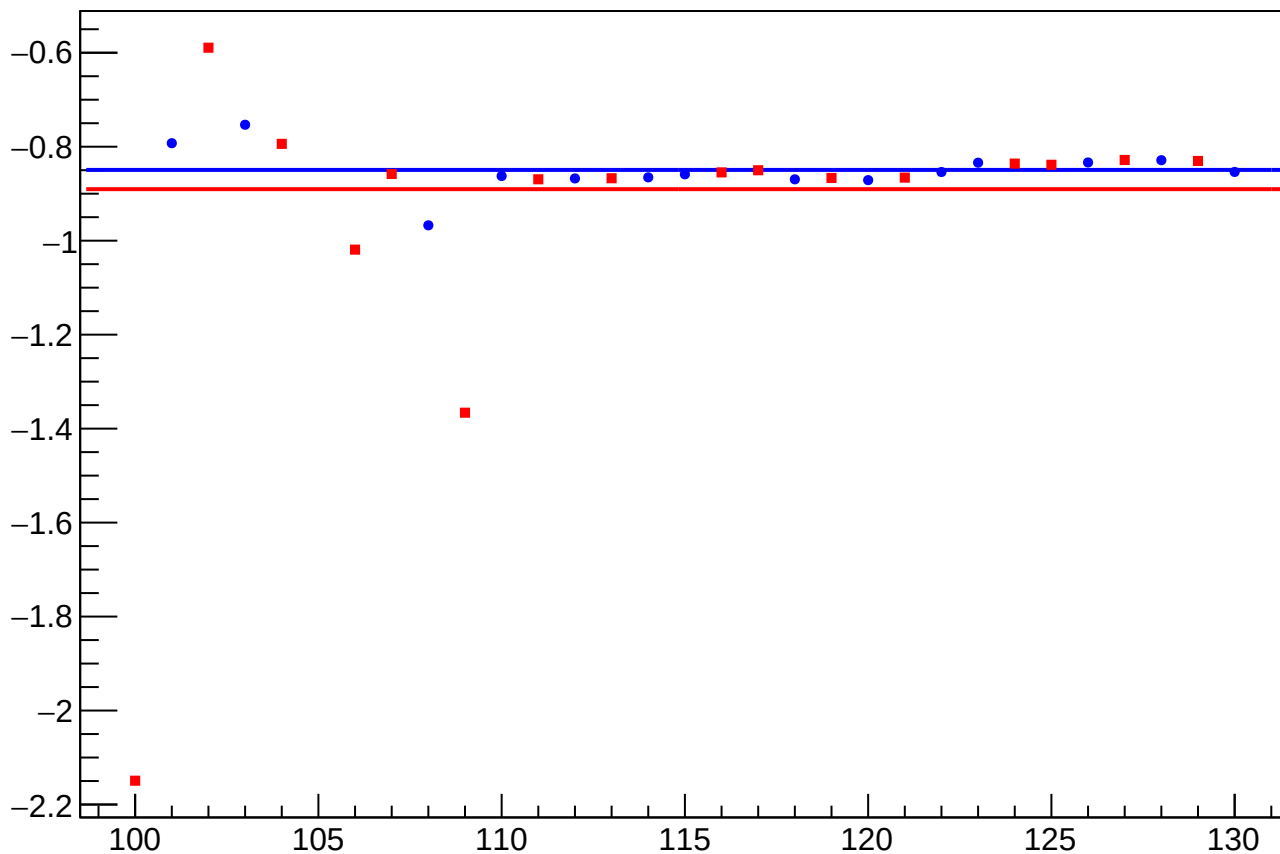
Right Out: 0.014+/-0.000 χ^2/NDF : 1393013.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.018+/-0.000 χ^2/NDF : 337399.7/13

0.014+/-0.000 χ^2/NDF : 1393013.9/15

yield_bpm12X_mean vs Slug



Right In: -0.849+/-0.000 χ^2 /NDF: 6622497.6/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

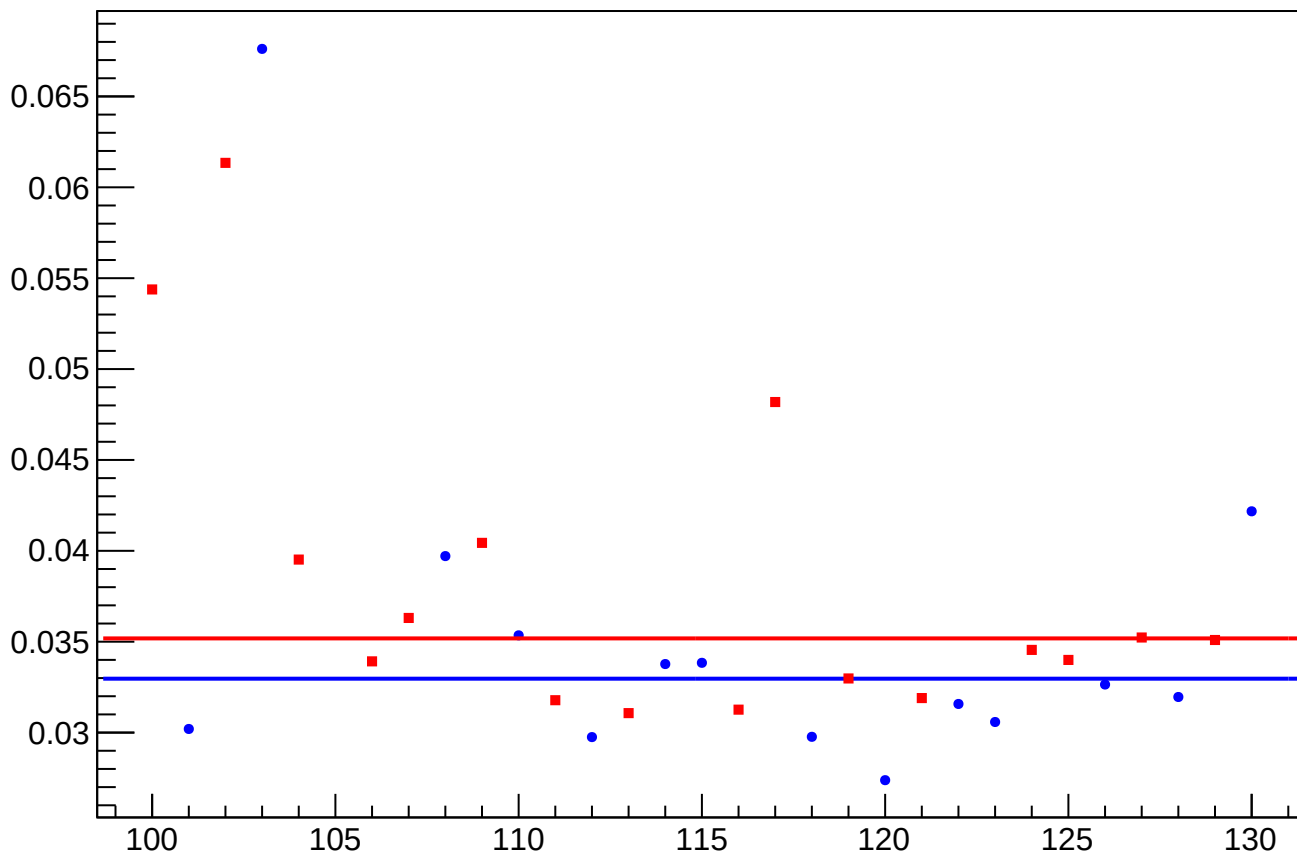
Right Out: -0.890+/-0.000 χ^2 /NDF: 113680255.2/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

-0.849+/-0.000 χ^2 /NDF: 6622497.6/13

-0.890+/-0.000 χ^2 /NDF: 113680255.2/15

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 391852.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

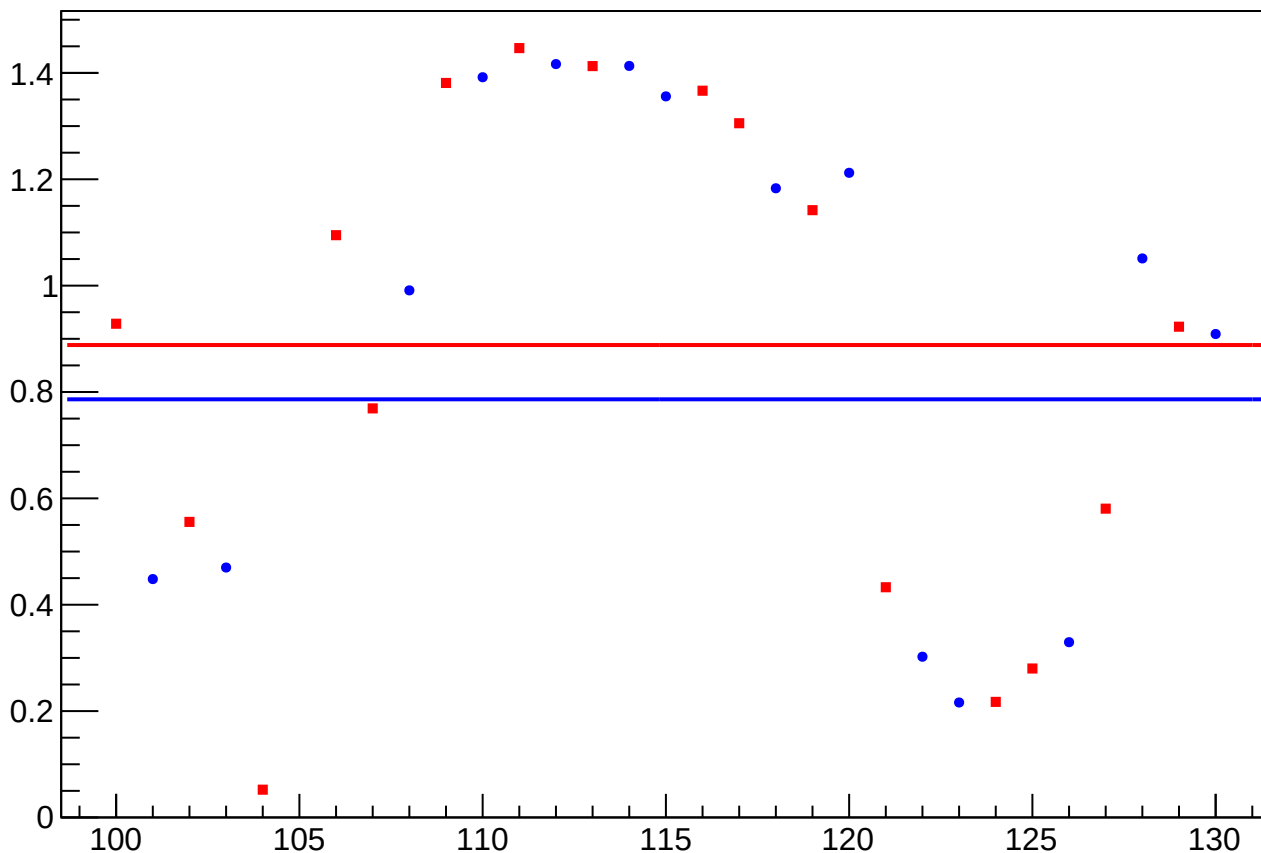
Right Out: 0.035+/-0.000 χ^2/NDF : 262618.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.033+/-0.000 χ^2/NDF : 391852.3/13

0.035+/-0.000 χ^2/NDF : 262618.5/15

yield_bpm12Y_mean vs Slug



Right In: 0.786+/-0.000 χ^2/NDF : 5288974793.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

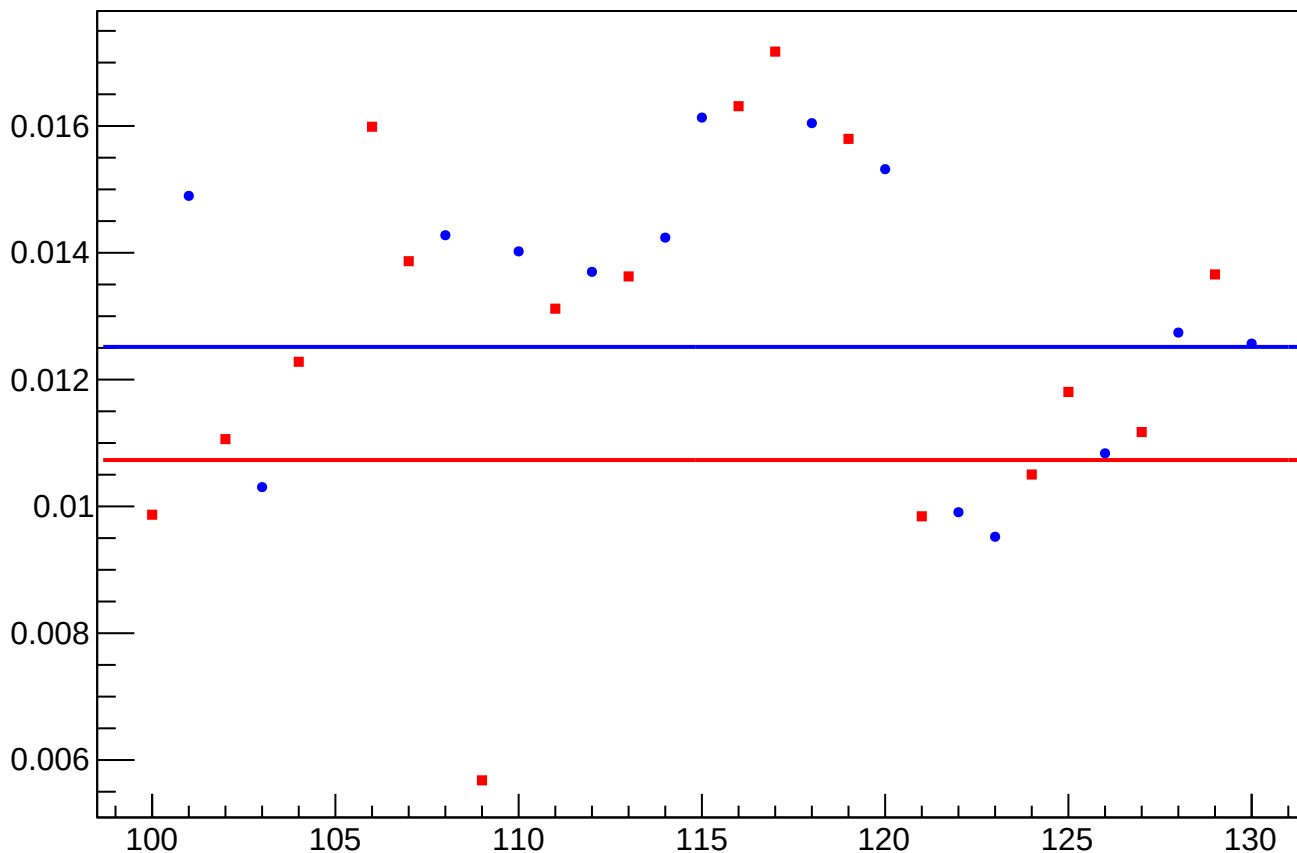
Right Out: 0.888+/-0.000 χ^2/NDF : 9185700348.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.786+/-0.000 χ^2/NDF : 5288974793.7/13

0.888+/-0.000 χ^2/NDF : 9185700348.8/15

yield_bpm12Y_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 261903.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

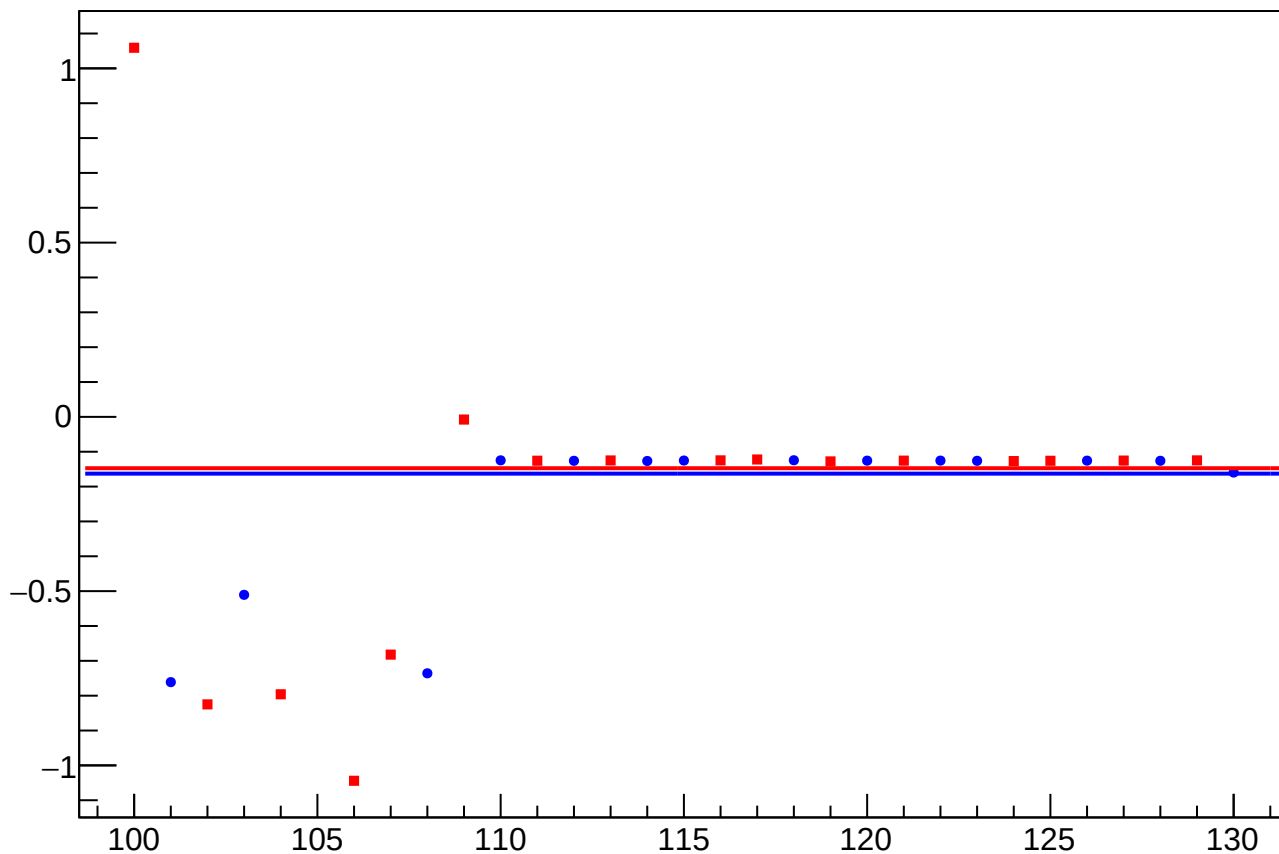
Right Out: 0.011+/-0.000 χ^2/NDF : 888070.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.013+/-0.000 χ^2/NDF : 261903.4/13

0.011+/-0.000 χ^2/NDF : 888070.2/15

yield_bpm16X_mean vs Slug



Right In: -0.163+/-0.000 χ^2/NDF : 362877410.6/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

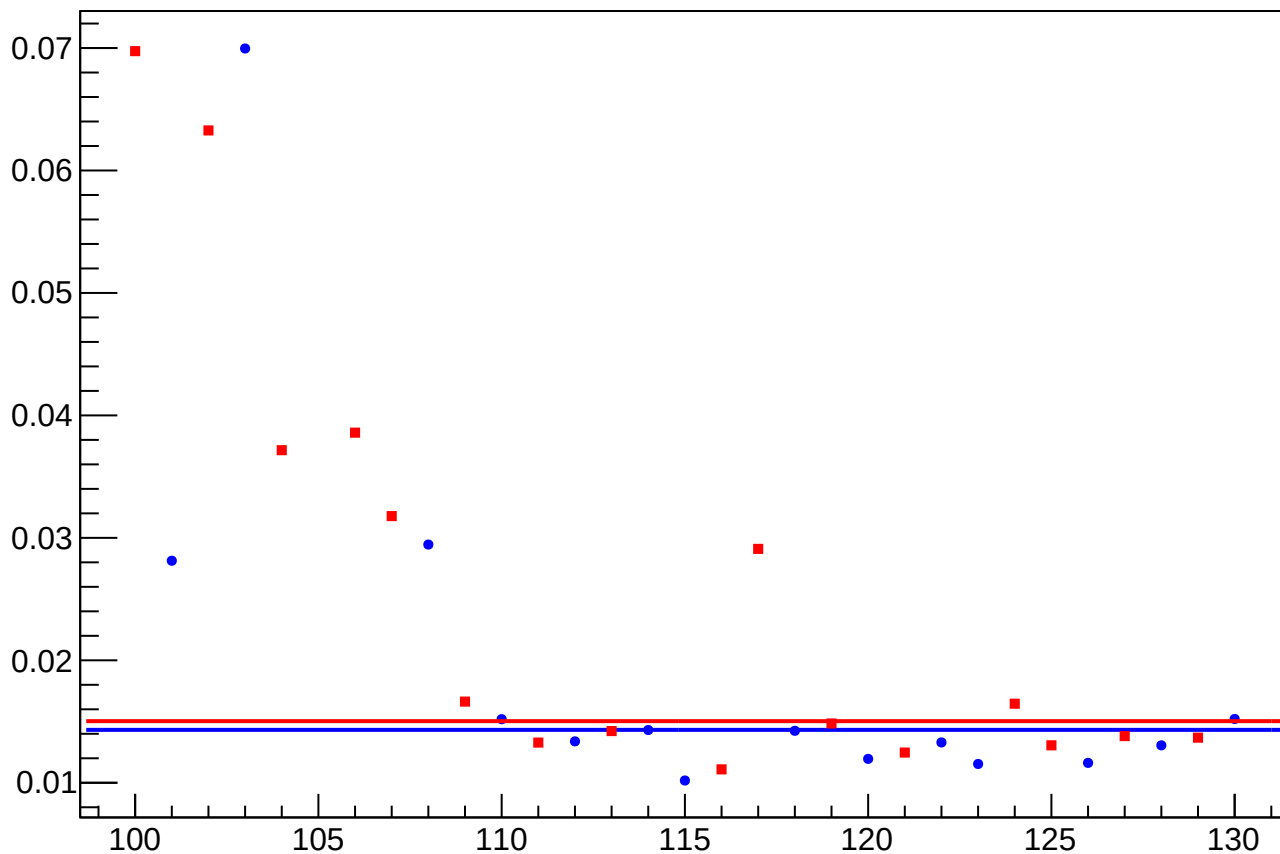
Right Out: -0.147+/-0.000 χ^2/NDF : 423488035.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-0.163+/-0.000 χ^2/NDF : 362877410.6/13

-0.147+/-0.000 χ^2/NDF : 423488035.1/15

yield_bpm16X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1184057.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

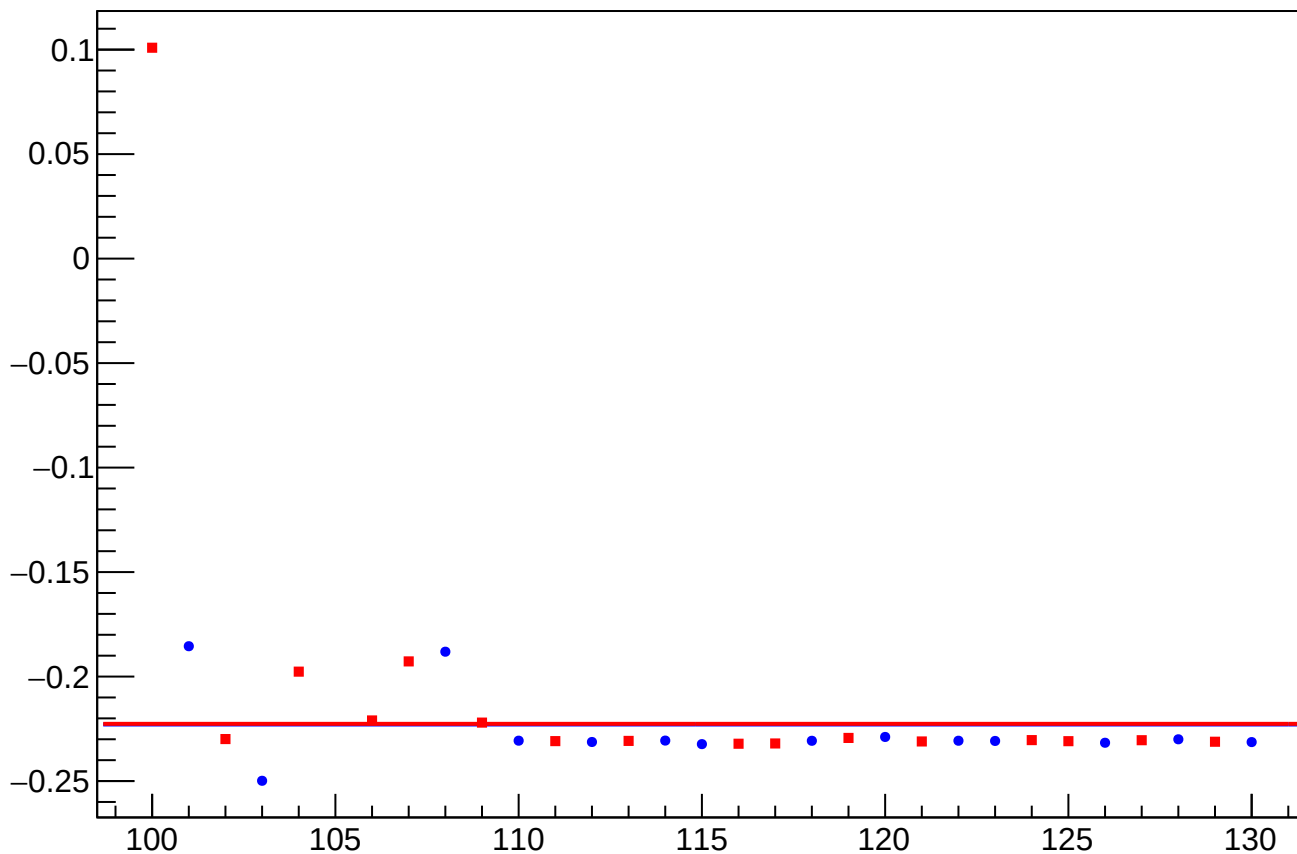
Right Out: 0.015+/-0.000 χ^2/NDF : 1364437.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.014+/-0.000 χ^2/NDF : 1184057.8/13

0.015+/-0.000 χ^2/NDF : 1364437.9/15

yield_bpm16Y_mean vs Slug



Right In: -0.223+/-0.000 χ^2/NDF : 73638550.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

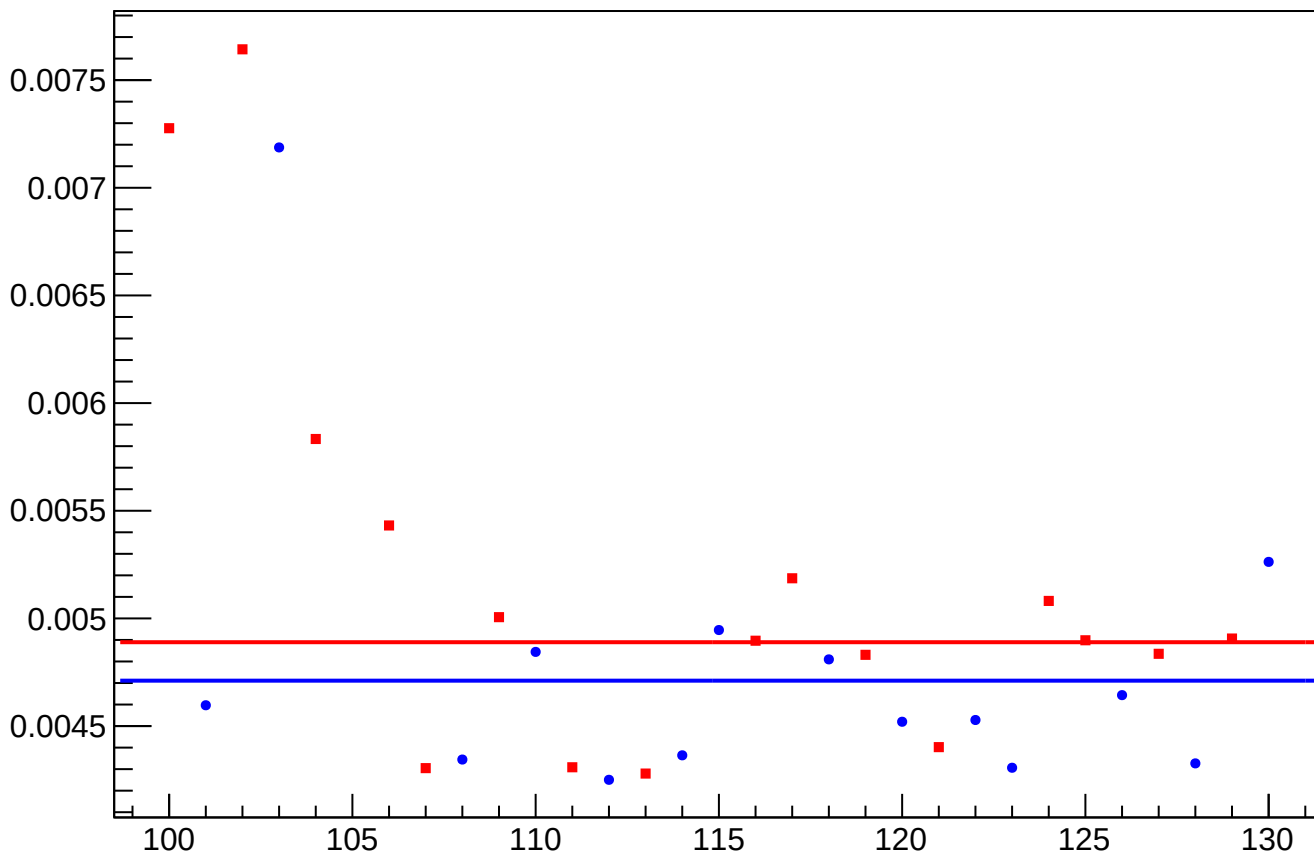
Right Out: -0.223+/-0.000 χ^2/NDF : 167122129.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-0.223+/-0.000 χ^2/NDF : 73638550.1/13

-0.223+/-0.000 χ^2/NDF : 167122129.6/15

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 164475.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

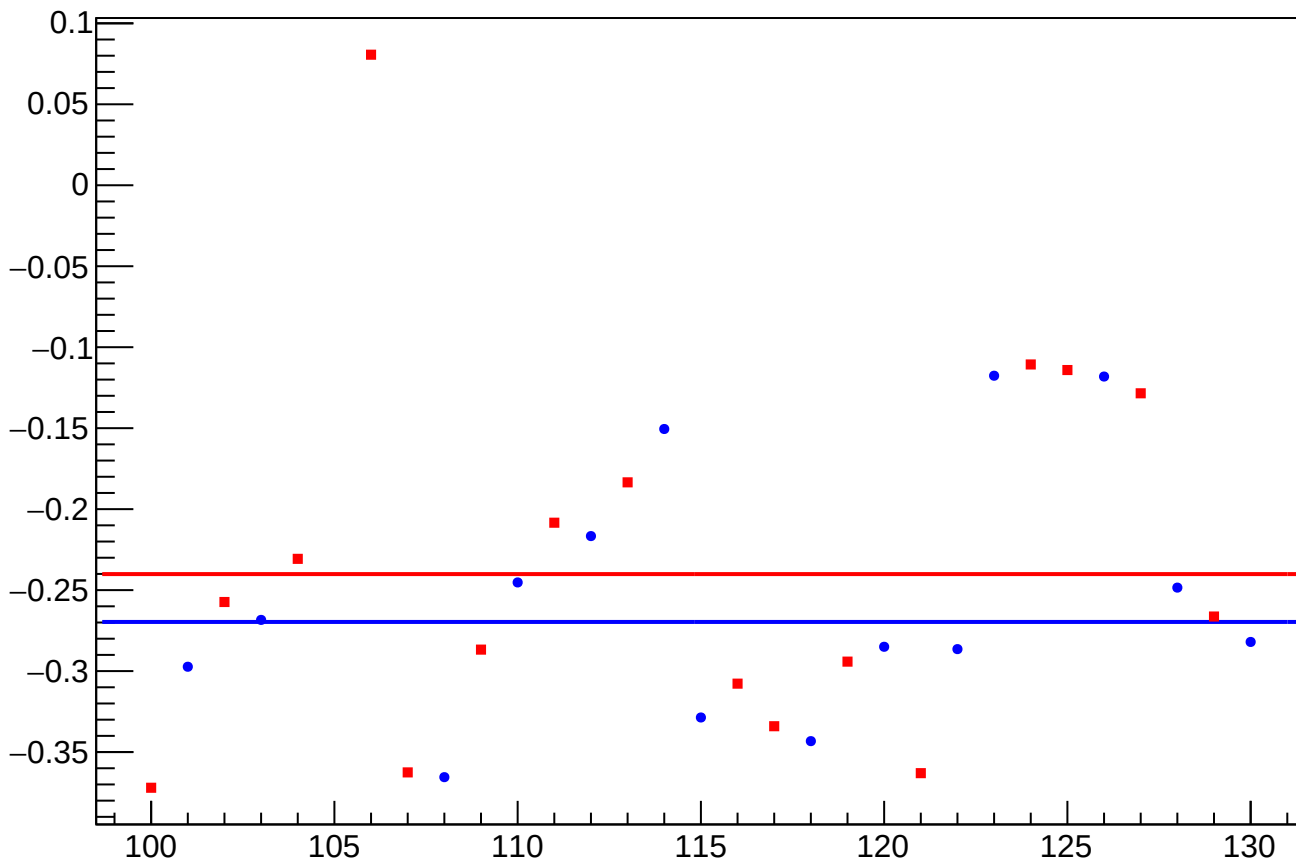
Right Out: 0.005+/-0.000 χ^2/NDF : 226554.3/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.005+/-0.000 χ^2/NDF : 164475.4/13

0.005+/-0.000 χ^2/NDF : 226554.3/15

yield_bpm0i02X_mean vs Slug



Right In: -0.270+/-0.000 χ^2/NDF : 472891727.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

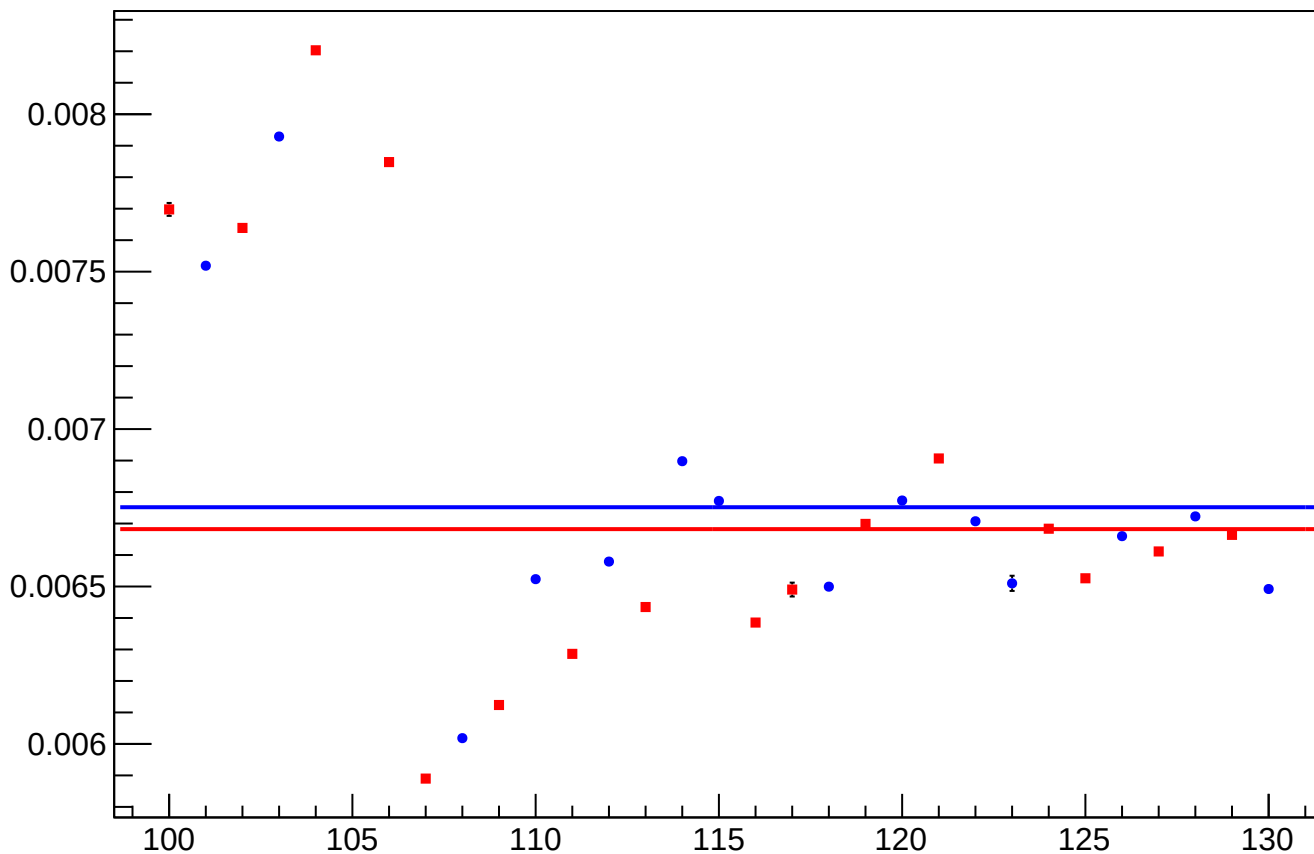
Right Out: -0.240+/-0.000 χ^2/NDF : 1067580832.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-0.270+/-0.000 χ^2/NDF : 472891727.7/13

-0.240+/-0.000 χ^2/NDF : 1067580832.7/15

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 53127.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

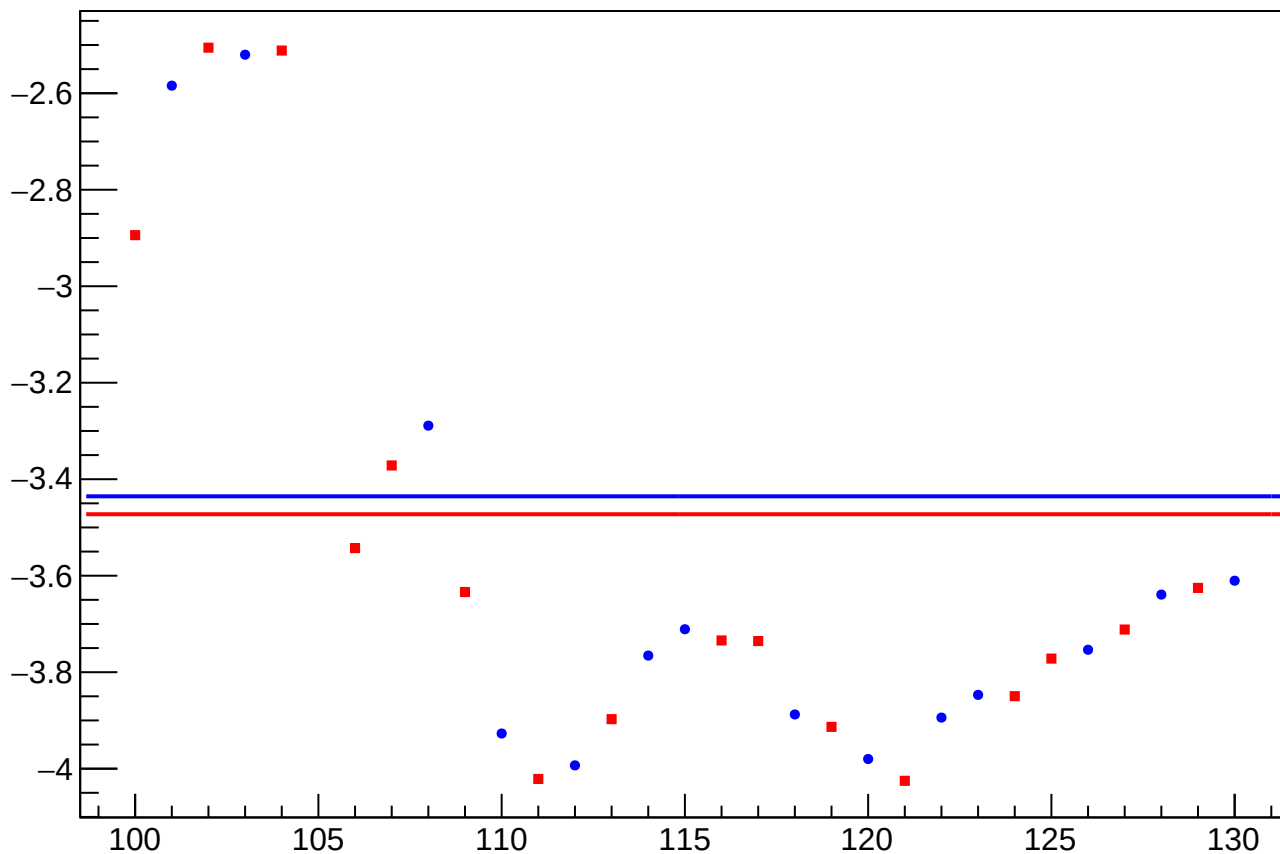
Right Out: 0.007+/-0.000 χ^2/NDF : 89200.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.007+/-0.000 χ^2/NDF : 53127.4/13

0.007+/-0.000 χ^2/NDF : 89200.2/15

yield_bpm0i02Y_mean vs Slug



Right In: -3.435+/-0.000 χ^2/NDF : 26064595626.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

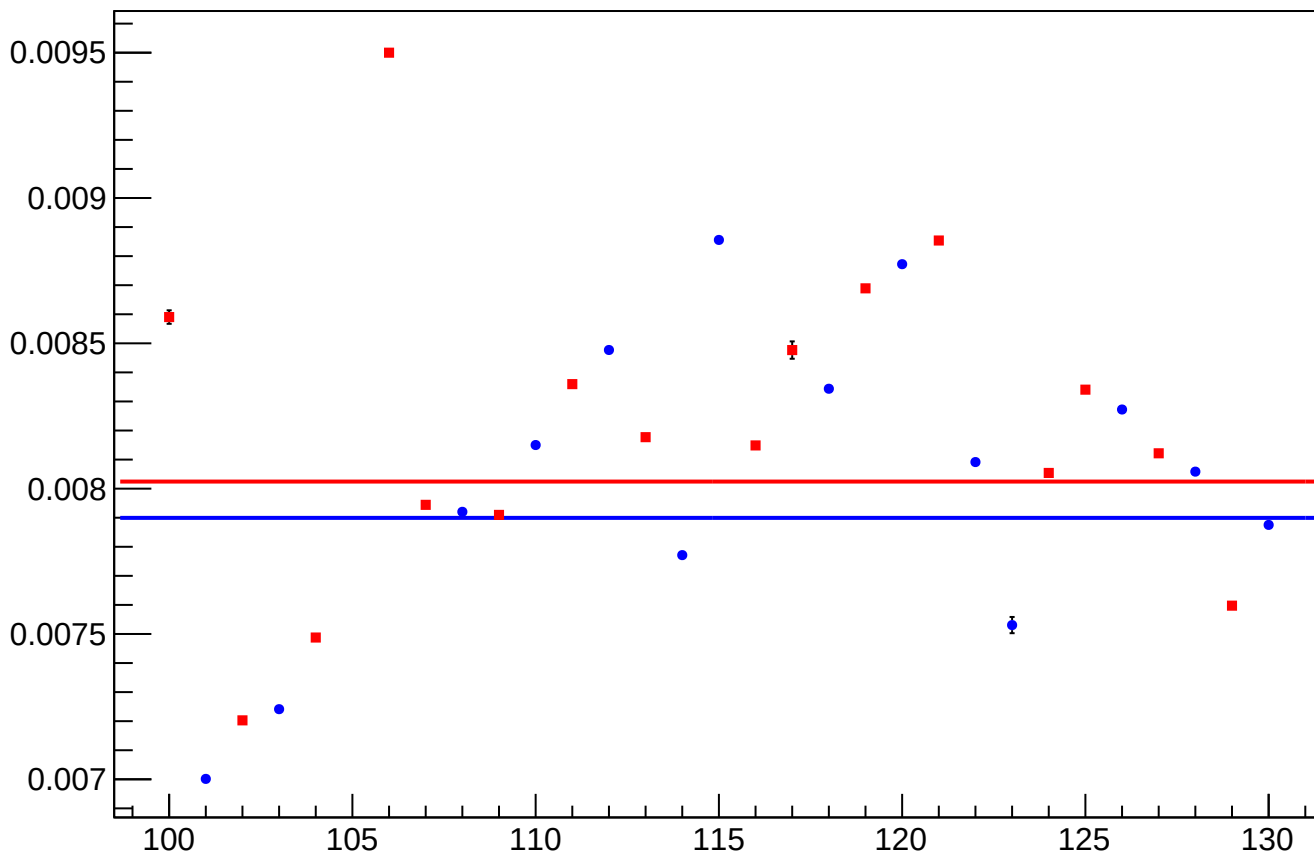
Right Out: -3.473+/-0.000 χ^2/NDF : 25238622275.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-3.435+/-0.000 χ^2/NDF : 26064595626.8/13

-3.473+/-0.000 χ^2/NDF : 25238622275.0/15

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 47711.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

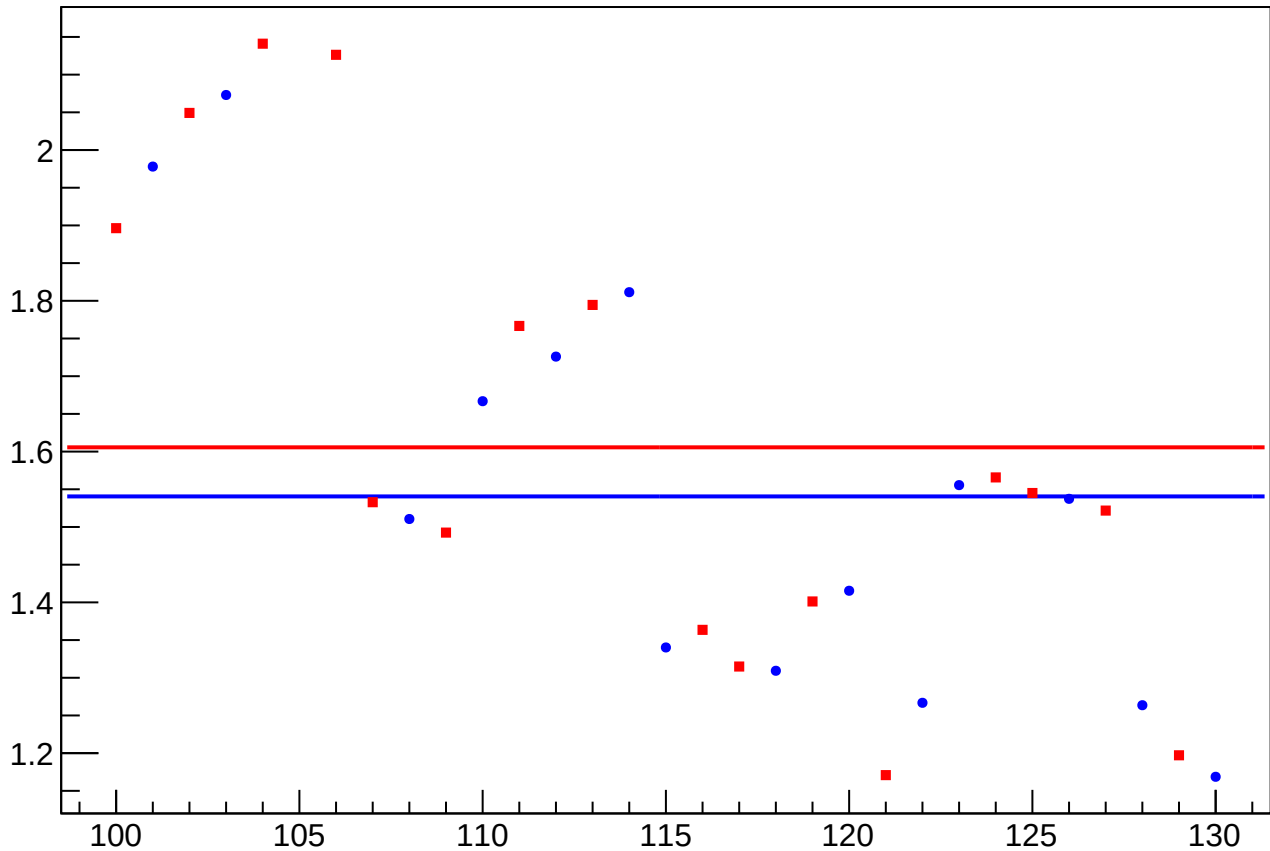
Right Out: 0.008+/-0.000 χ^2/NDF : 44728.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.008+/-0.000 χ^2/NDF : 47711.2/13

0.008+/-0.000 χ^2/NDF : 44728.8/15

yield_bpm0i02aX_mean vs Slug



Right In: 1.541+/-0.000 χ^2/NDF : 2855513868.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

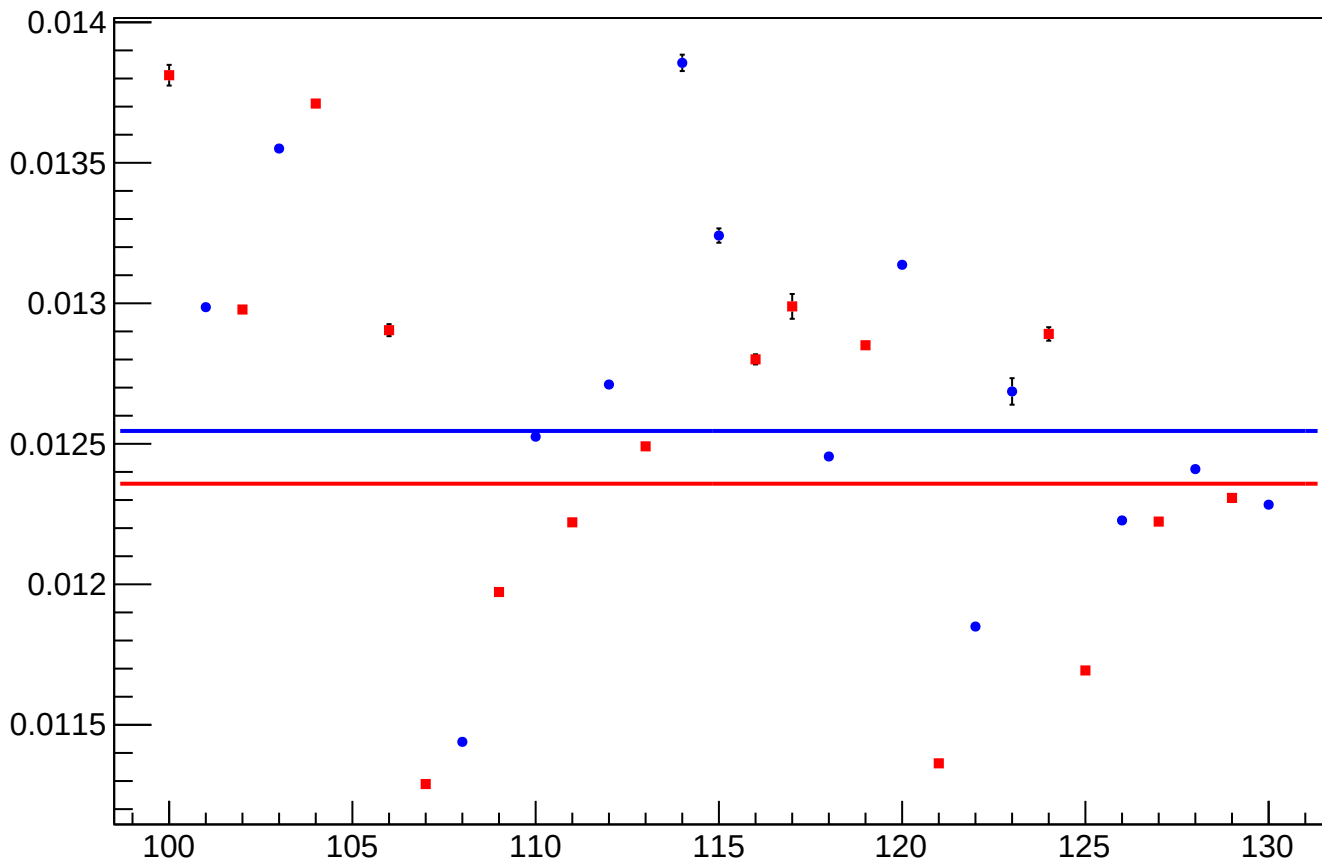
1.541+/-0.000 χ^2/NDF : 2855513868.7/13

Right Out: 1.606+/-0.000 χ^2/NDF : 3210982339.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1.606+/-0.000 χ^2/NDF : 3210982339.9/15

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 22654.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

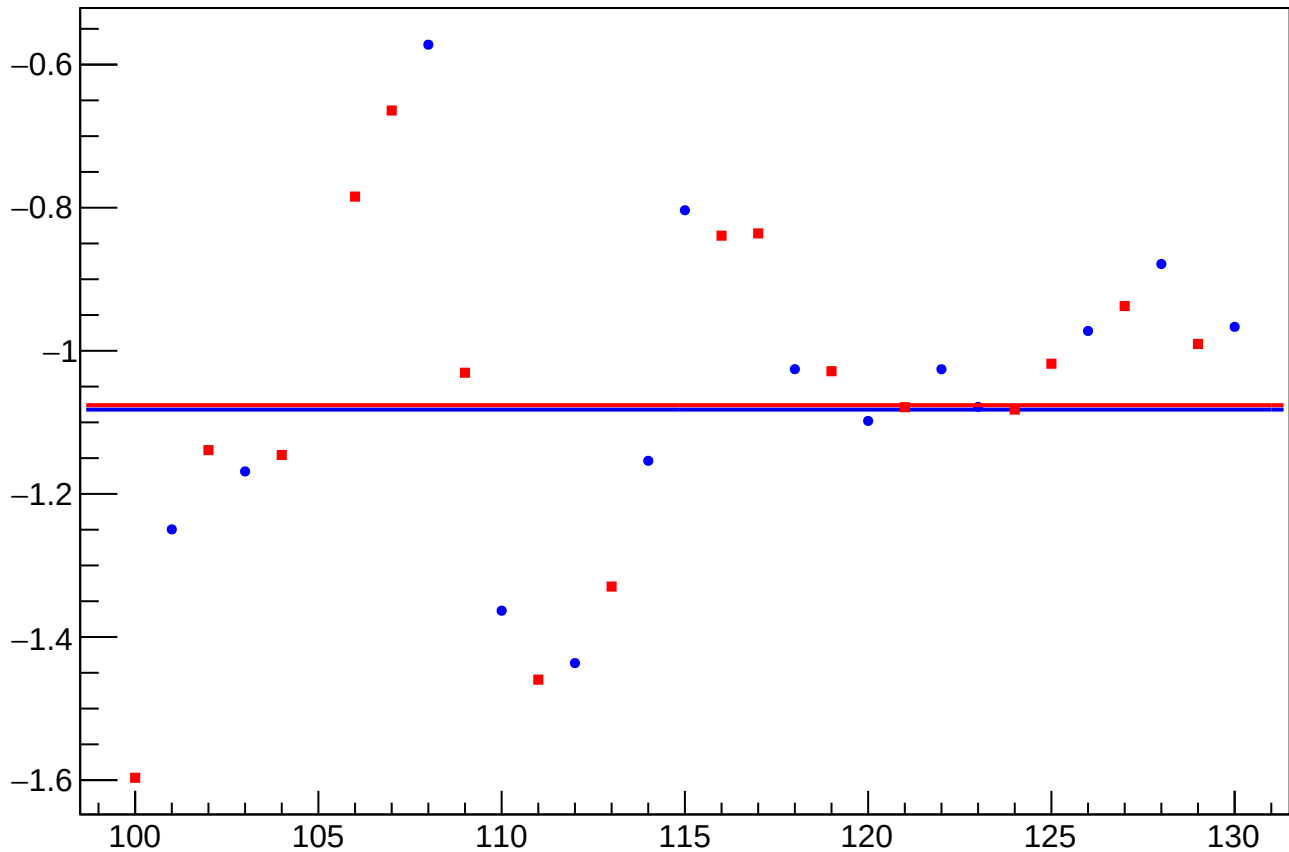
Right Out: 0.012+/-0.000 χ^2/NDF : 32563.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.013+/-0.000 χ^2/NDF : 22654.1/13

0.012+/-0.000 χ^2/NDF : 32563.1/15

yield_bpm0i02aY_mean vs Slug



Right In: -1.082+/-0.000 χ^2 /NDF: 2804296187.2/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

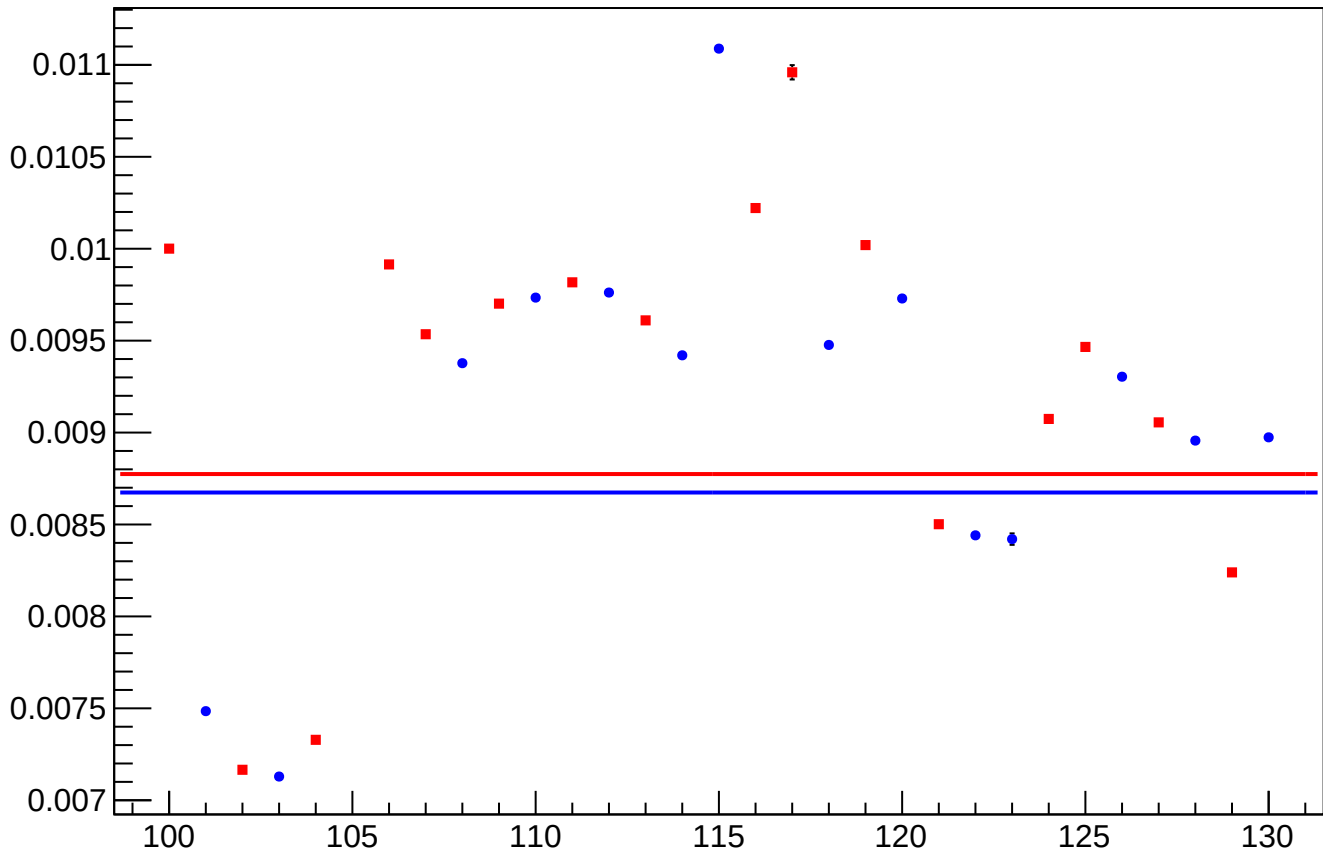
Right Out: -1.076+/-0.000 χ^2 /NDF: 2278642545.6/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

-1.082+/-0.000 χ^2 /NDF: 2804296187.2/13

-1.076+/-0.000 χ^2 /NDF: 2278642545.6/15

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 136842.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

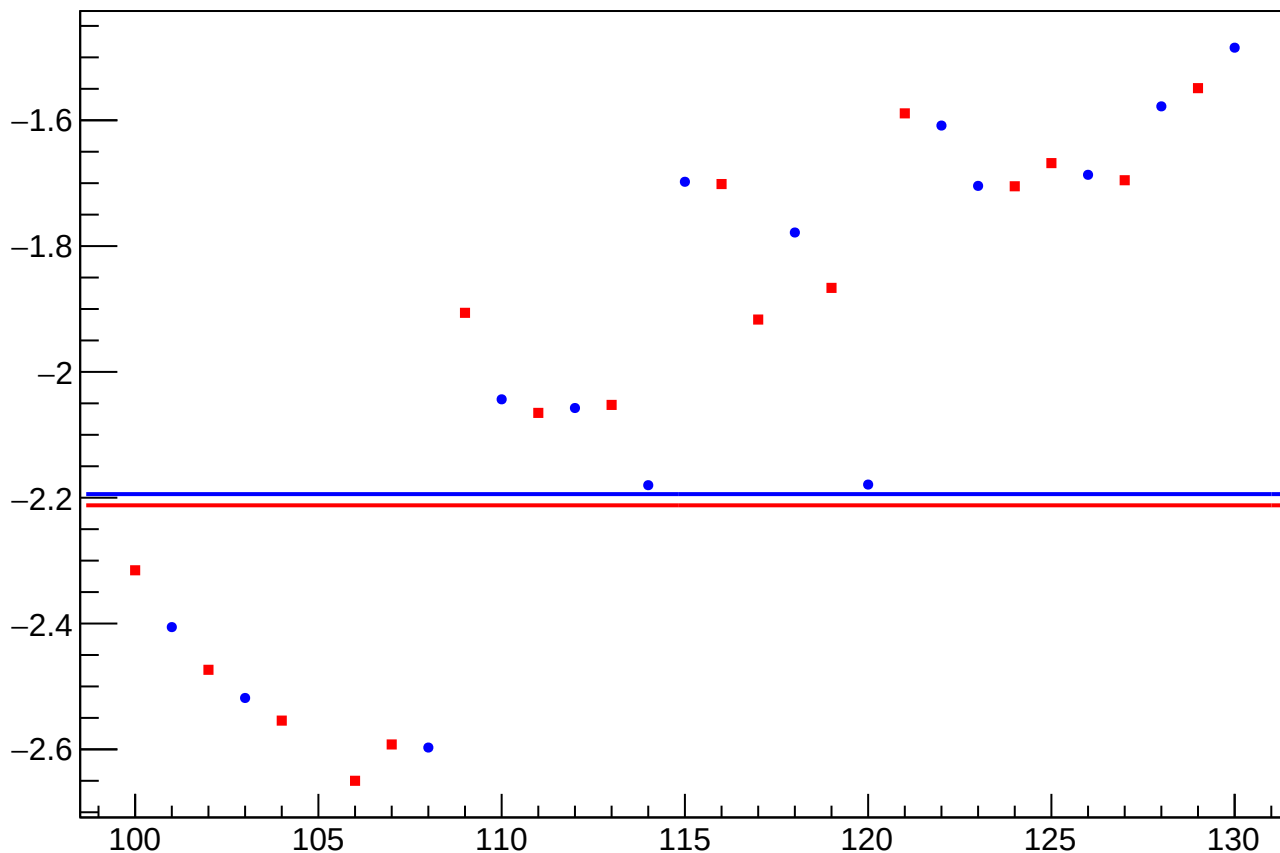
Right Out: 0.009+/-0.000 χ^2/NDF : 160136.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.009+/-0.000 χ^2/NDF : 136842.9/13

0.009+/-0.000 χ^2/NDF : 160136.6/15

yield_bpm0i05X_mean vs Slug



Right In: -2.194 ± 0.000 χ^2/NDF : 11961277927.1/13

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

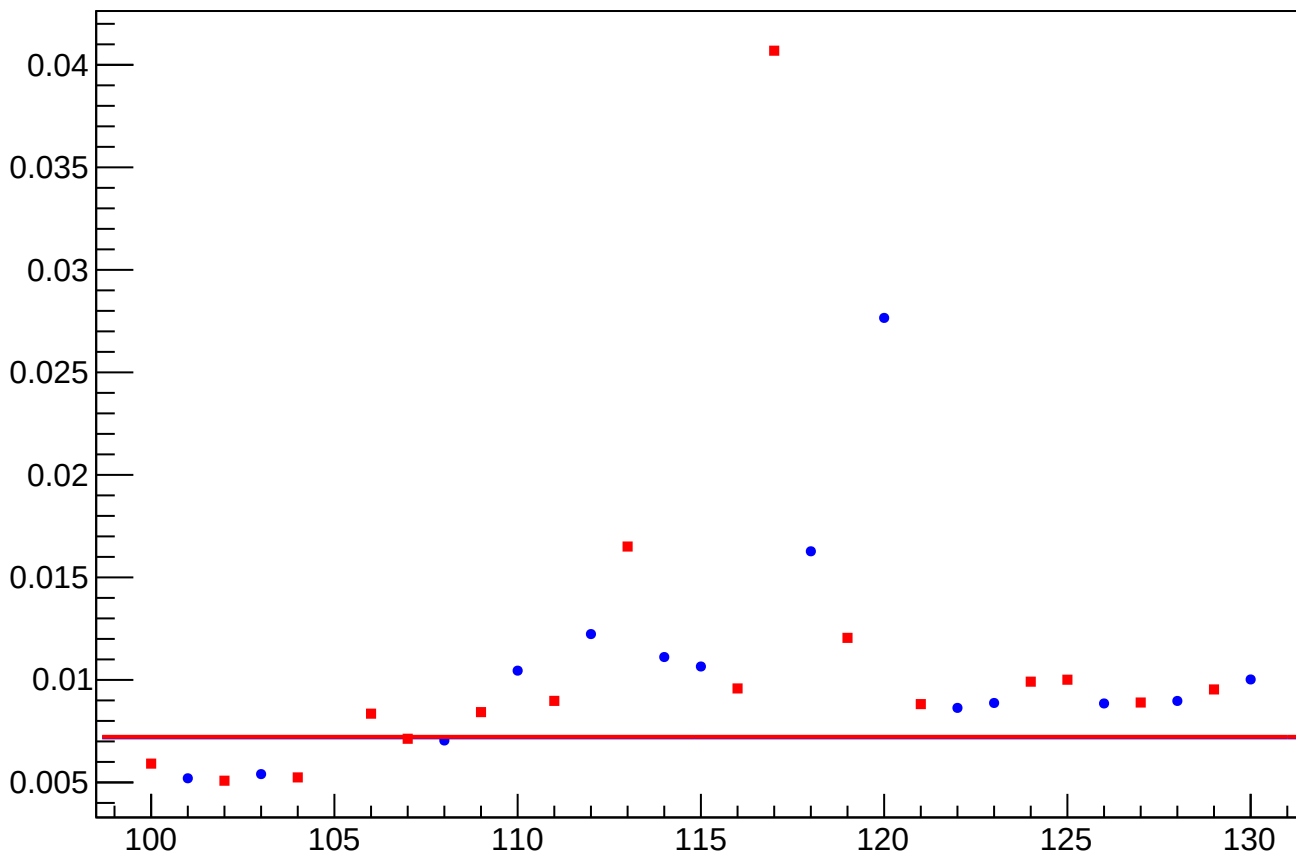
Right Out: -2.212 ± 0.000 χ^2/NDF : 12537147501.1/15

Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

-2.194 ± 0.000 χ^2/NDF : 11961277927.1/13

-2.212 ± 0.000 χ^2/NDF : 12537147501.1/15

yield_bpm0i05X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 1086289.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

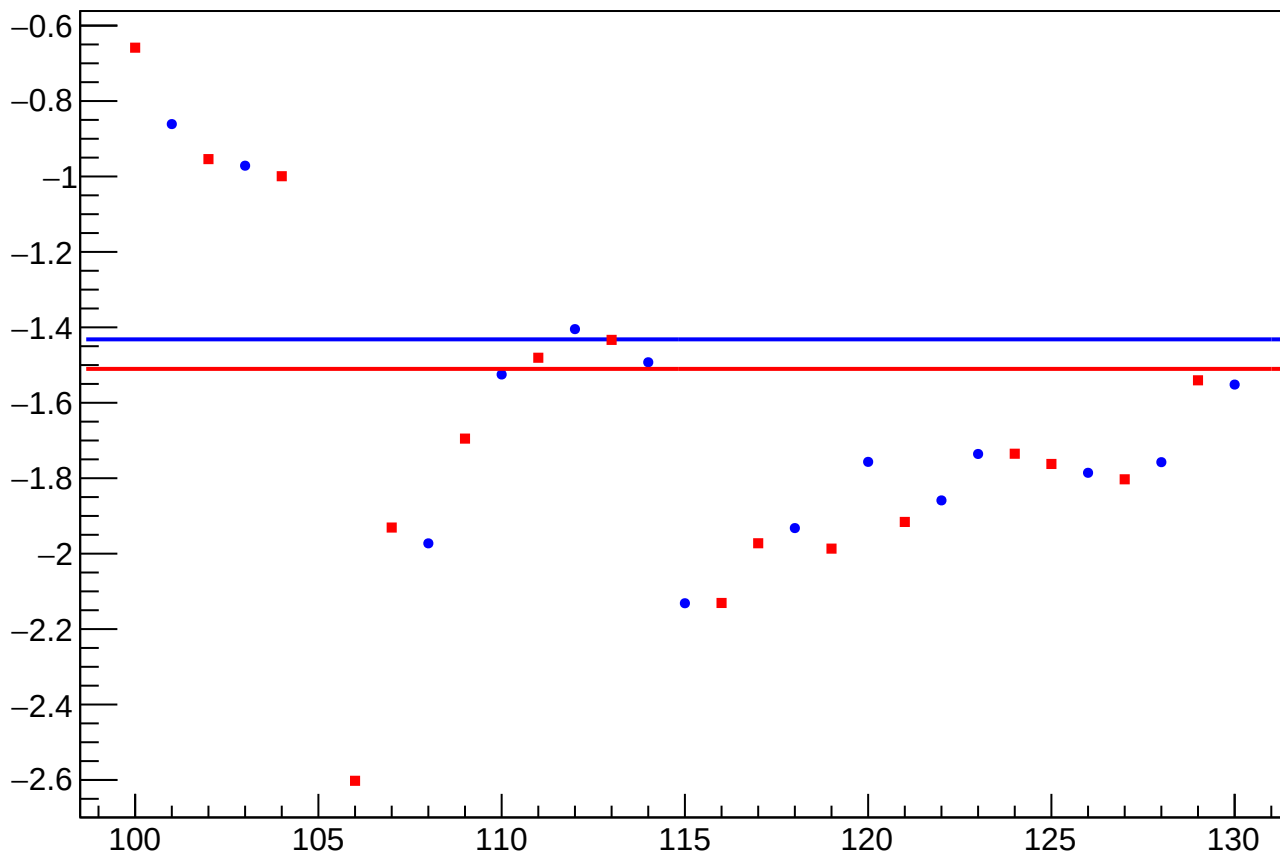
Right Out: 0.007+/-0.000 χ^2/NDF : 881452.3/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.007+/-0.000 χ^2/NDF : 1086289.8/13

0.007+/-0.000 χ^2/NDF : 881452.3/15

yield_bpm0i05Y_mean vs Slug



Right In: -1.432+/-0.000 χ^2/NDF : 18429827763.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

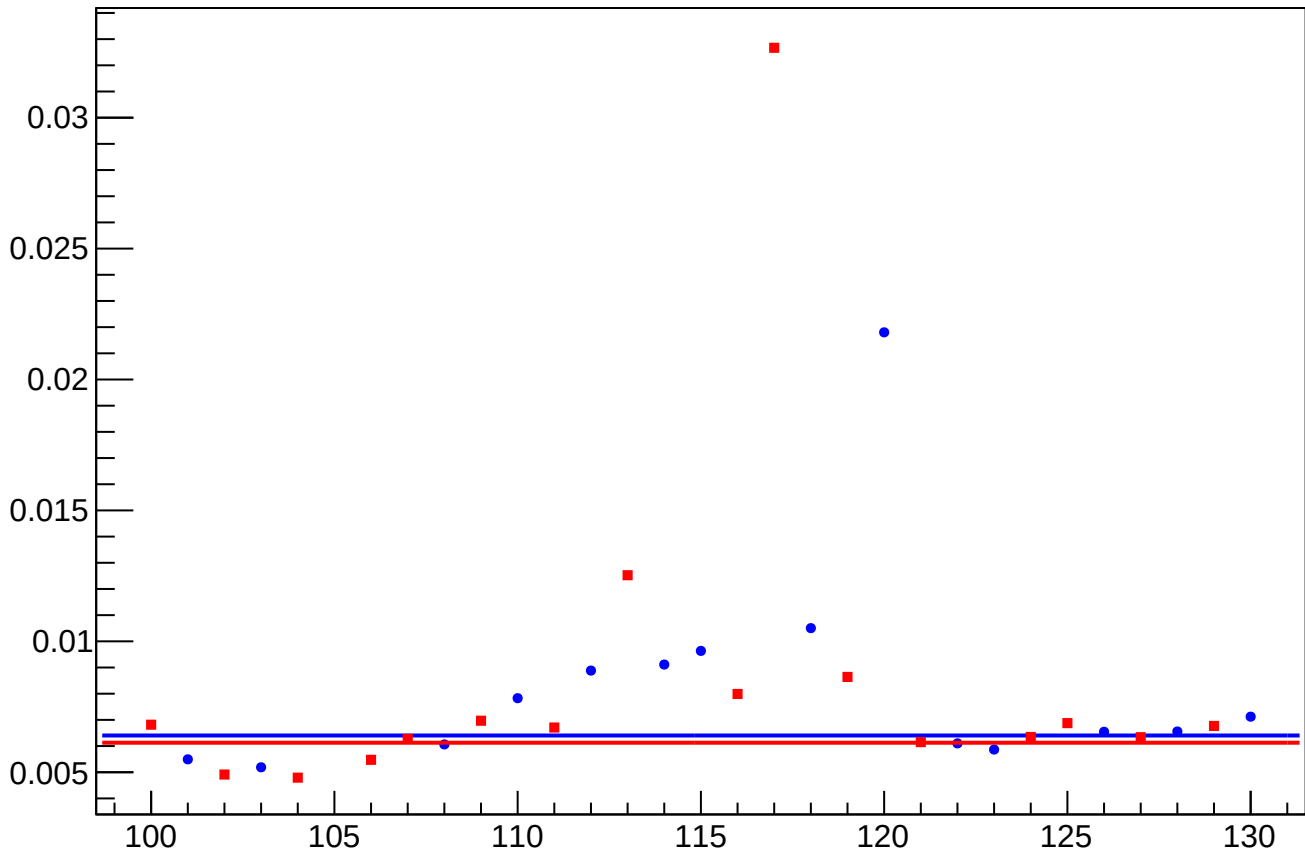
Right Out: -1.510+/-0.000 χ^2/NDF : 24831732484.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-1.432+/-0.000 χ^2/NDF : 18429827763.7/13

-1.510+/-0.000 χ^2/NDF : 24831732484.2/15

yield_bpm0i05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 532437.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

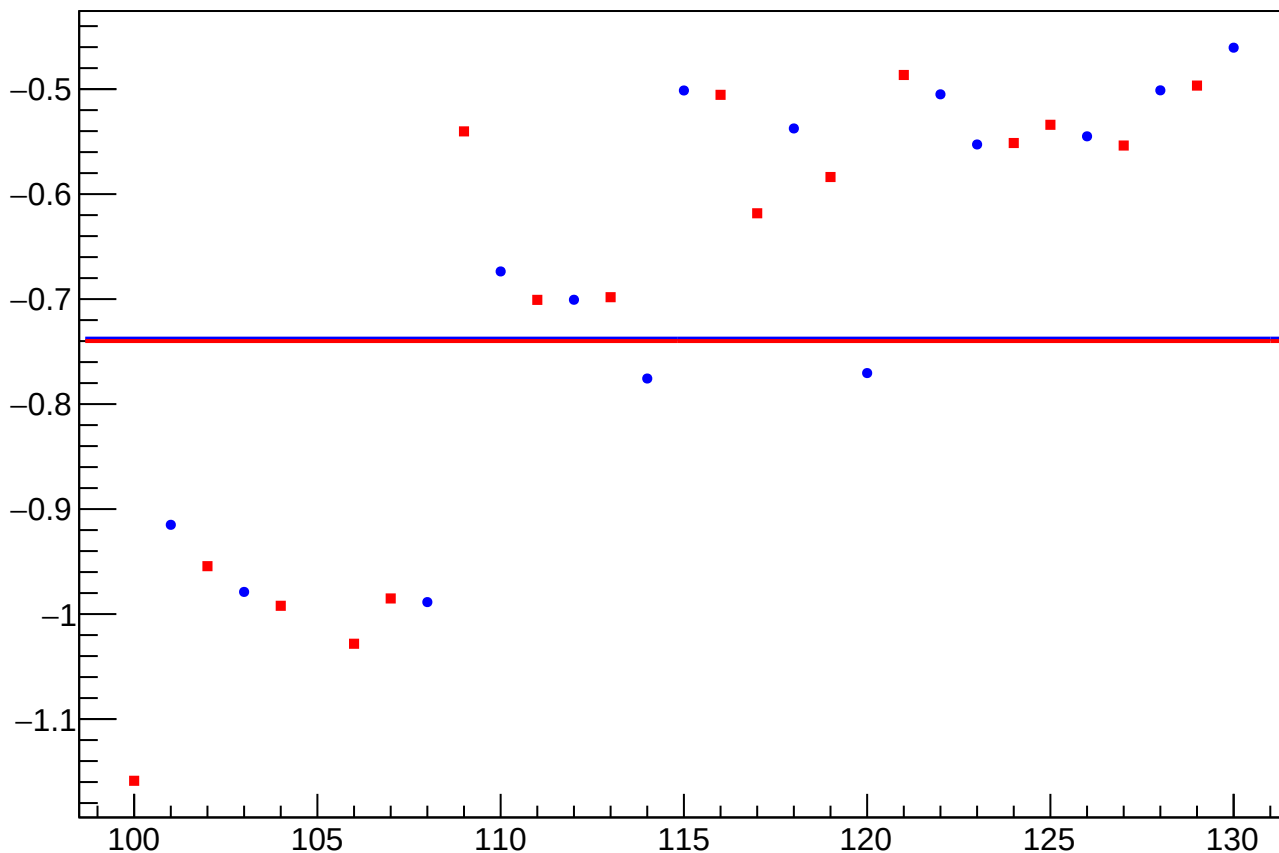
Right Out: 0.006+/-0.000 χ^2/NDF : 414966.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 532437.4/13

0.006+/-0.000 χ^2/NDF : 414966.6/15

yield_bpm0i07X_mean vs Slug



Right In: -0.738+/-0.000 χ^2/NDF : 7329801347.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

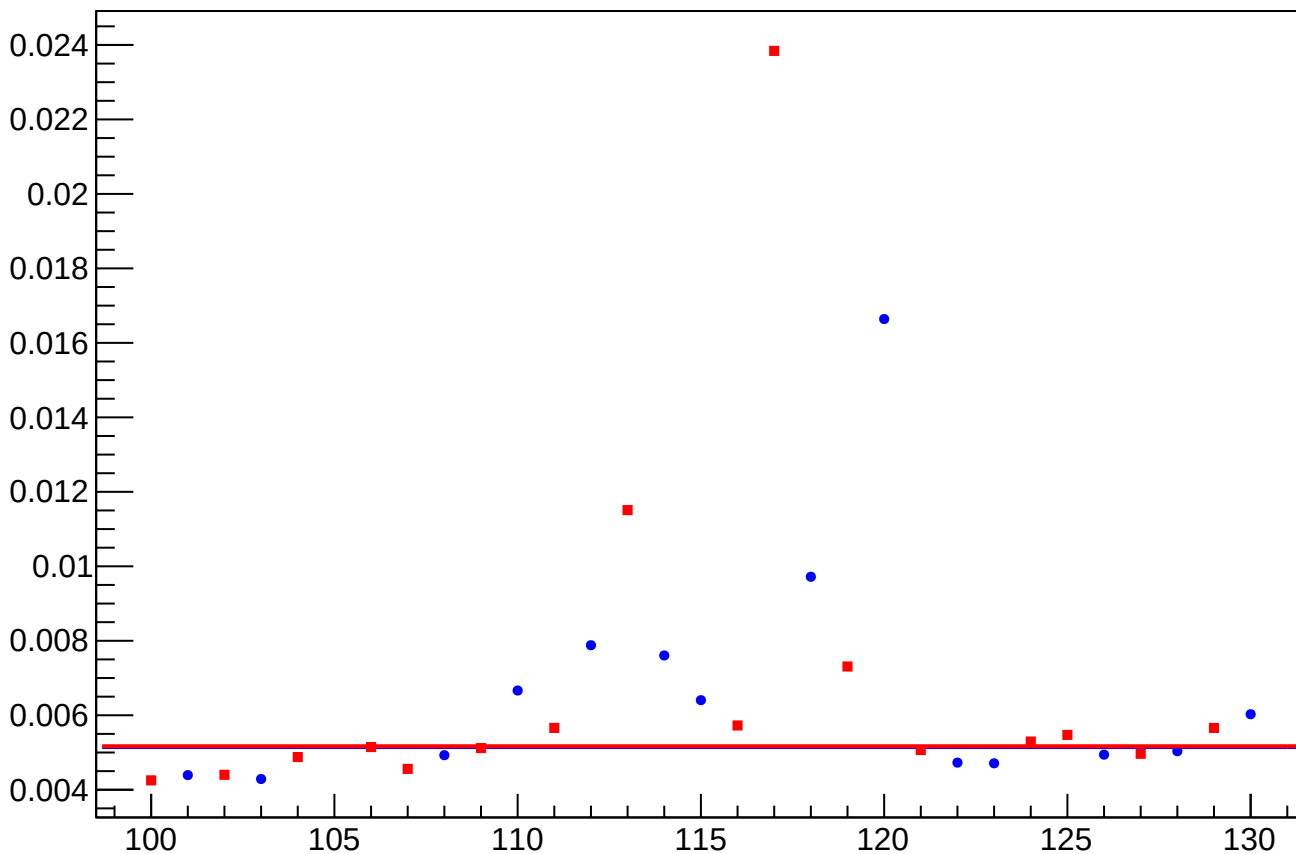
Right Out: -0.740+/-0.000 χ^2/NDF : 8589215356.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-0.738+/-0.000 χ^2/NDF : 7329801347.8/13

-0.740+/-0.000 χ^2/NDF : 8589215356.4/15

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 609269.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

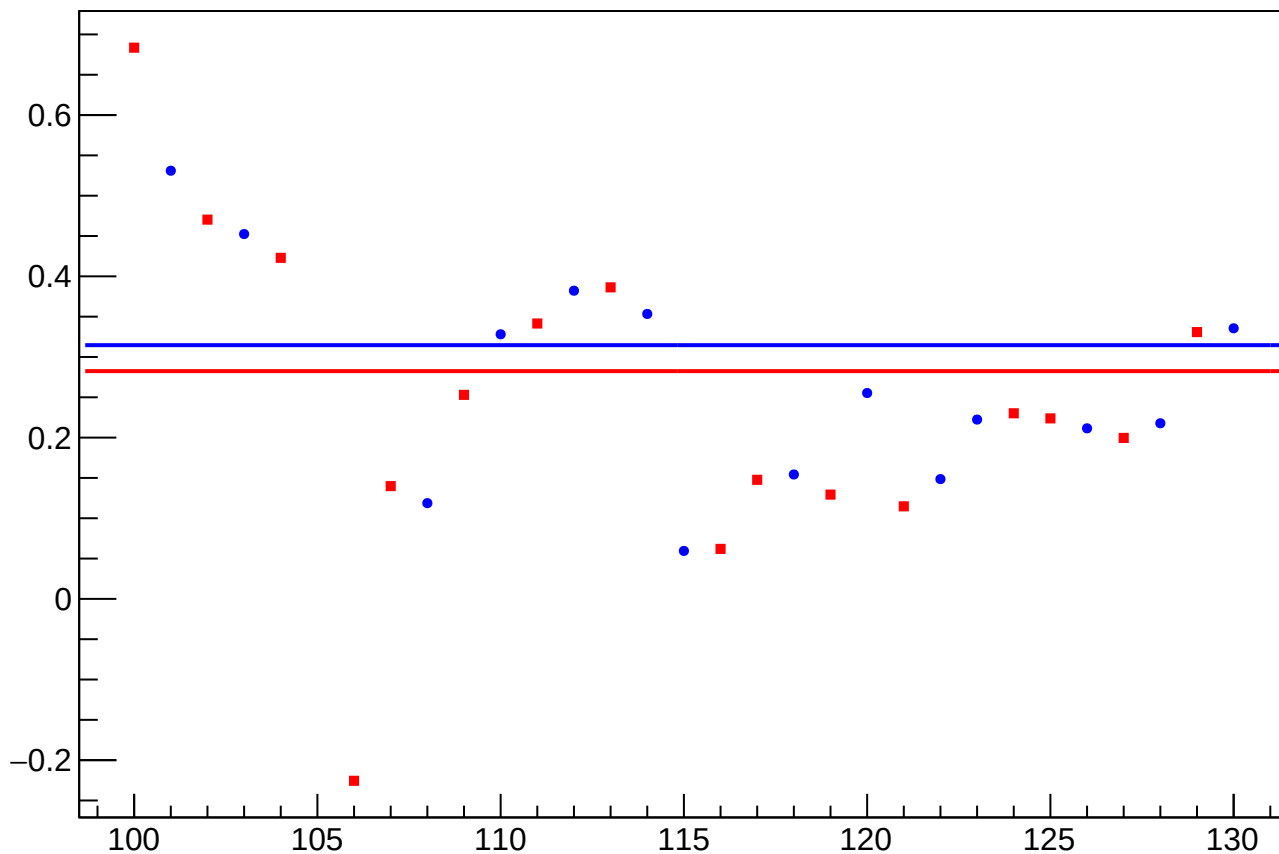
Right Out: 0.005+/-0.000 χ^2/NDF : 342352.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.005+/-0.000 χ^2/NDF : 609269.4/13

0.005+/-0.000 χ^2/NDF : 342352.6/15

yield_bpm0i07Y_mean vs Slug



Right In: 0.315+/-0.000 χ^2/NDF : 5369060369.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

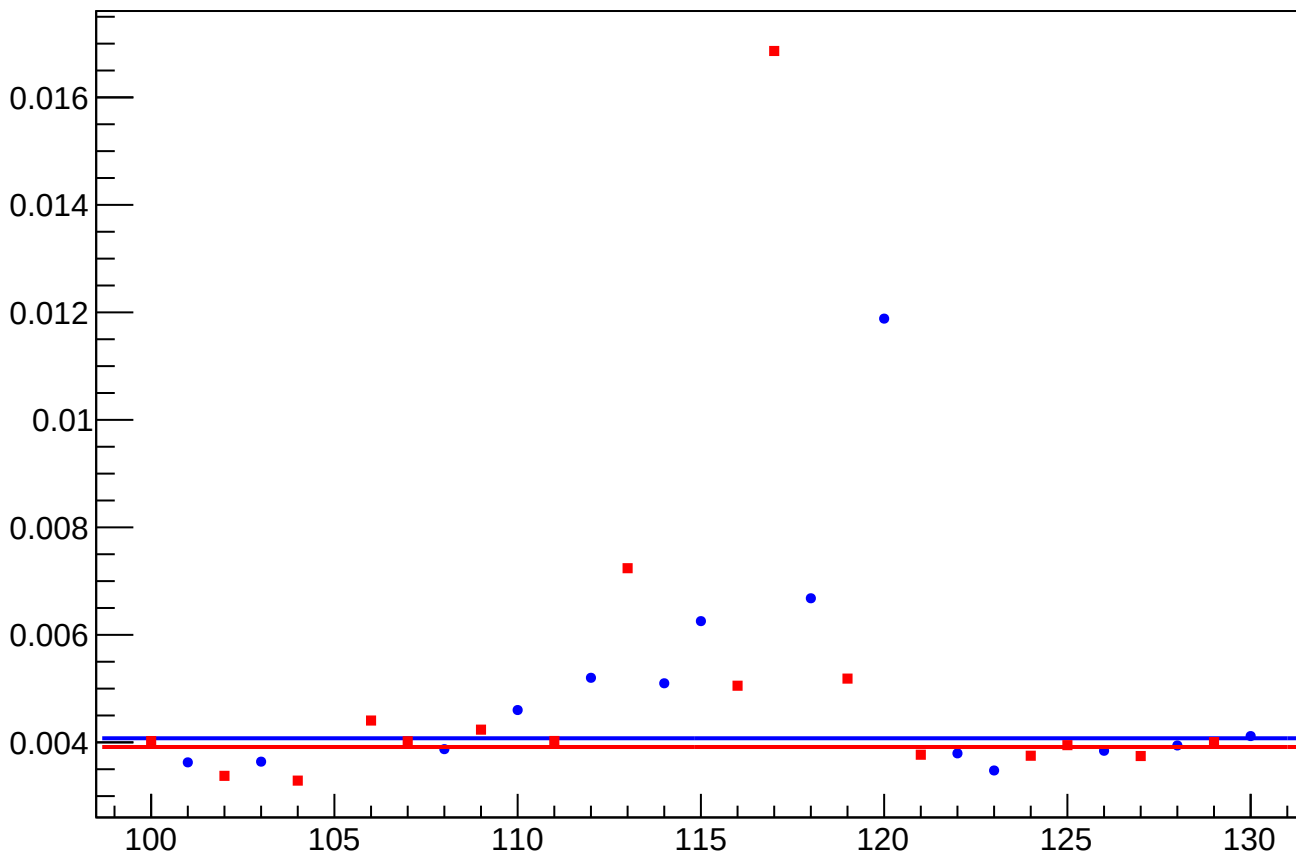
Right Out: 0.282+/-0.000 χ^2/NDF : 7236818423.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.315+/-0.000 χ^2/NDF : 5369060369.4/13

0.282+/-0.000 χ^2/NDF : 7236818423.8/15

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 433935.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

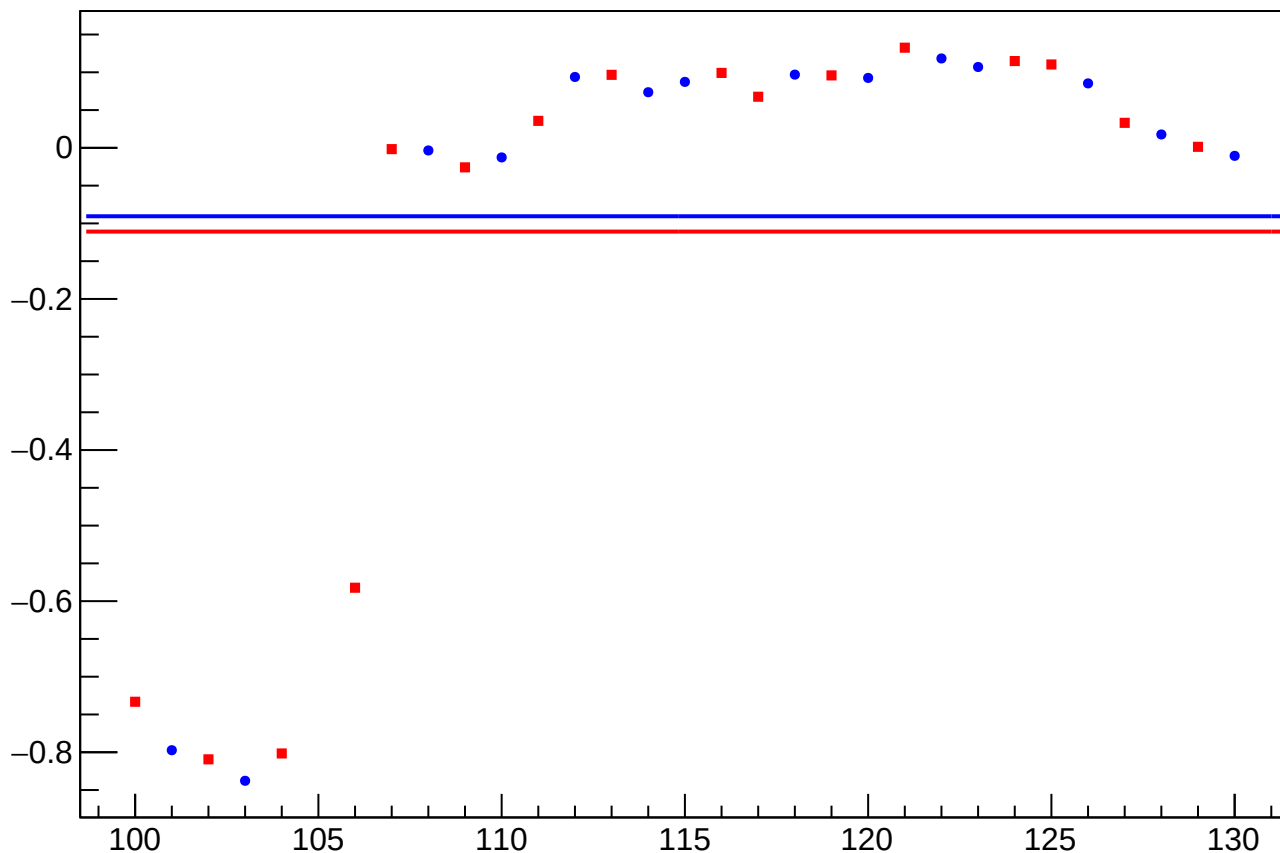
Right Out: 0.004+/-0.000 χ^2/NDF : 281546.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.004+/-0.000 χ^2/NDF : 433935.1/13

0.004+/-0.000 χ^2/NDF : 281546.4/15

yield_bpm1i02X_mean vs Slug



Right In: -0.091+/-0.000 χ^2/NDF : 4970386582.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

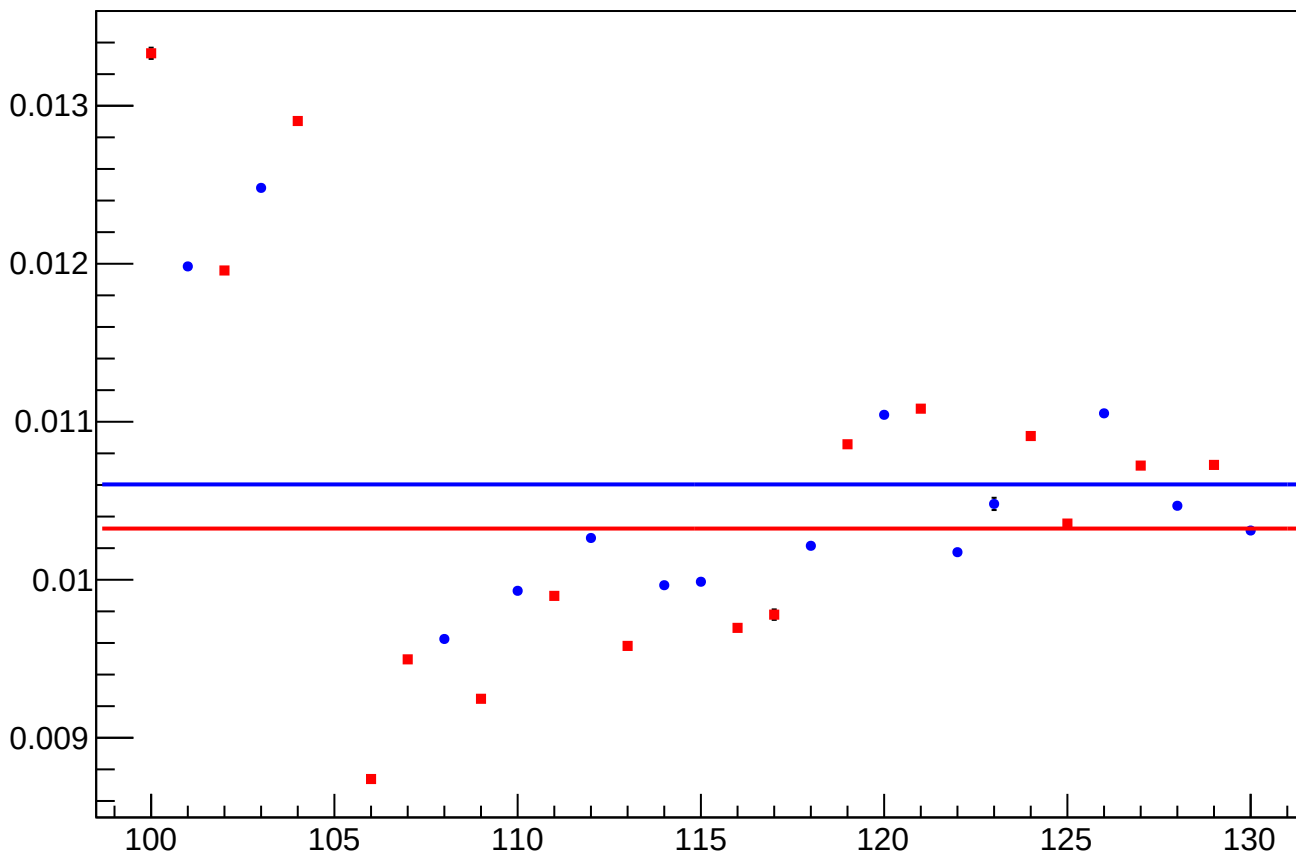
Right Out: -0.111+/-0.000 χ^2/NDF : 5533733358.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-0.091+/-0.000 χ^2/NDF : 4970386582.1/13

-0.111+/-0.000 χ^2/NDF : 5533733358.5/15

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 61290.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

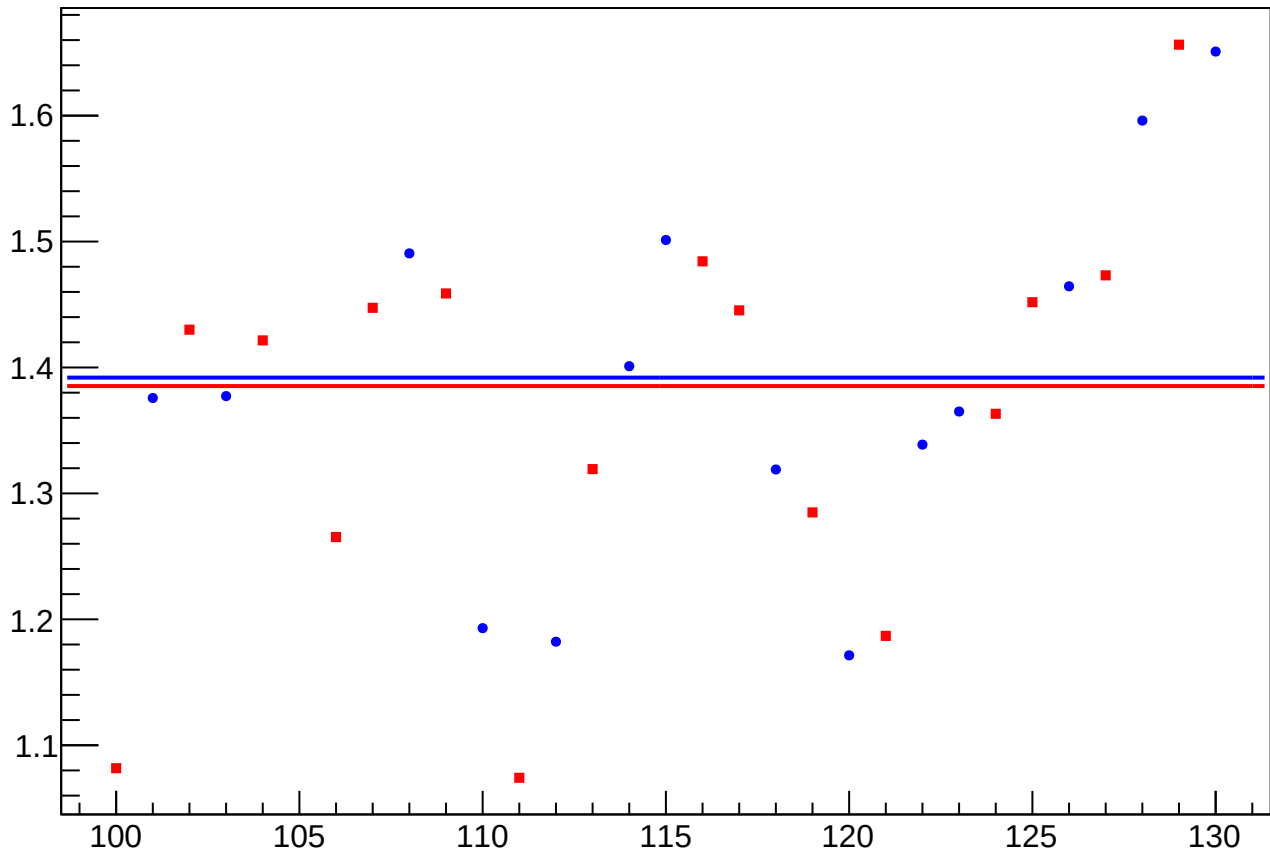
Right Out: 0.010+/-0.000 χ^2/NDF : 124568.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.011+/-0.000 χ^2/NDF : 61290.9/13

0.010+/-0.000 χ^2/NDF : 124568.8/15

yield_bpm1i02Y_mean vs Slug



Right In: 1.392+/-0.000 χ^2/NDF : 1938471828.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

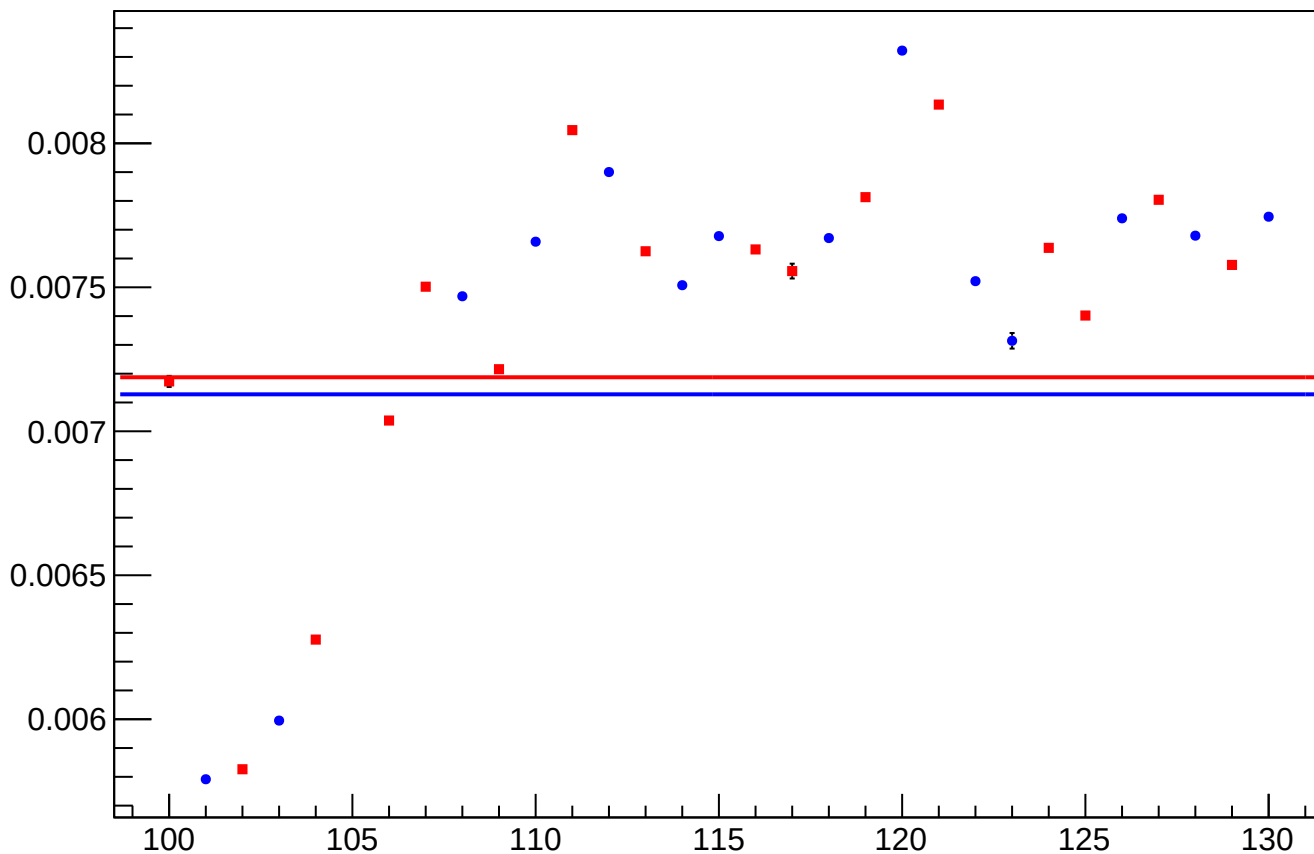
1.392+/-0.000 χ^2/NDF : 1938471828.7/13

Right Out: 1.385+/-0.000 χ^2/NDF : 1978887957.3/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1.385+/-0.000 χ^2/NDF : 1978887957.3/15

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 154920.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

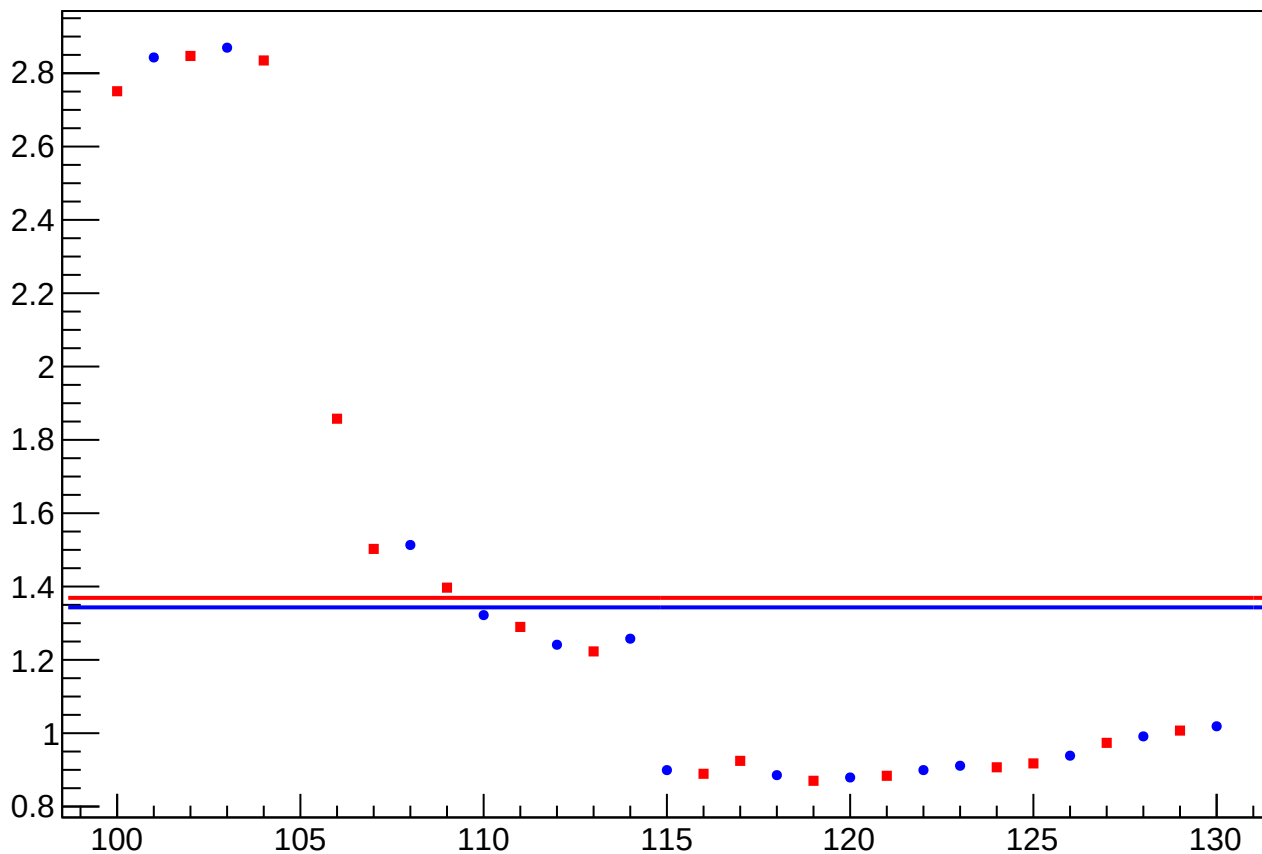
Right Out: 0.007+/-0.000 χ^2/NDF : 121671.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.007+/-0.000 χ^2/NDF : 154920.1/13

0.007+/-0.000 χ^2/NDF : 121671.2/15

yield_bpm1i04X_mean vs Slug



Right In: 1.343+/-0.000 χ^2/NDF : 50876297693.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

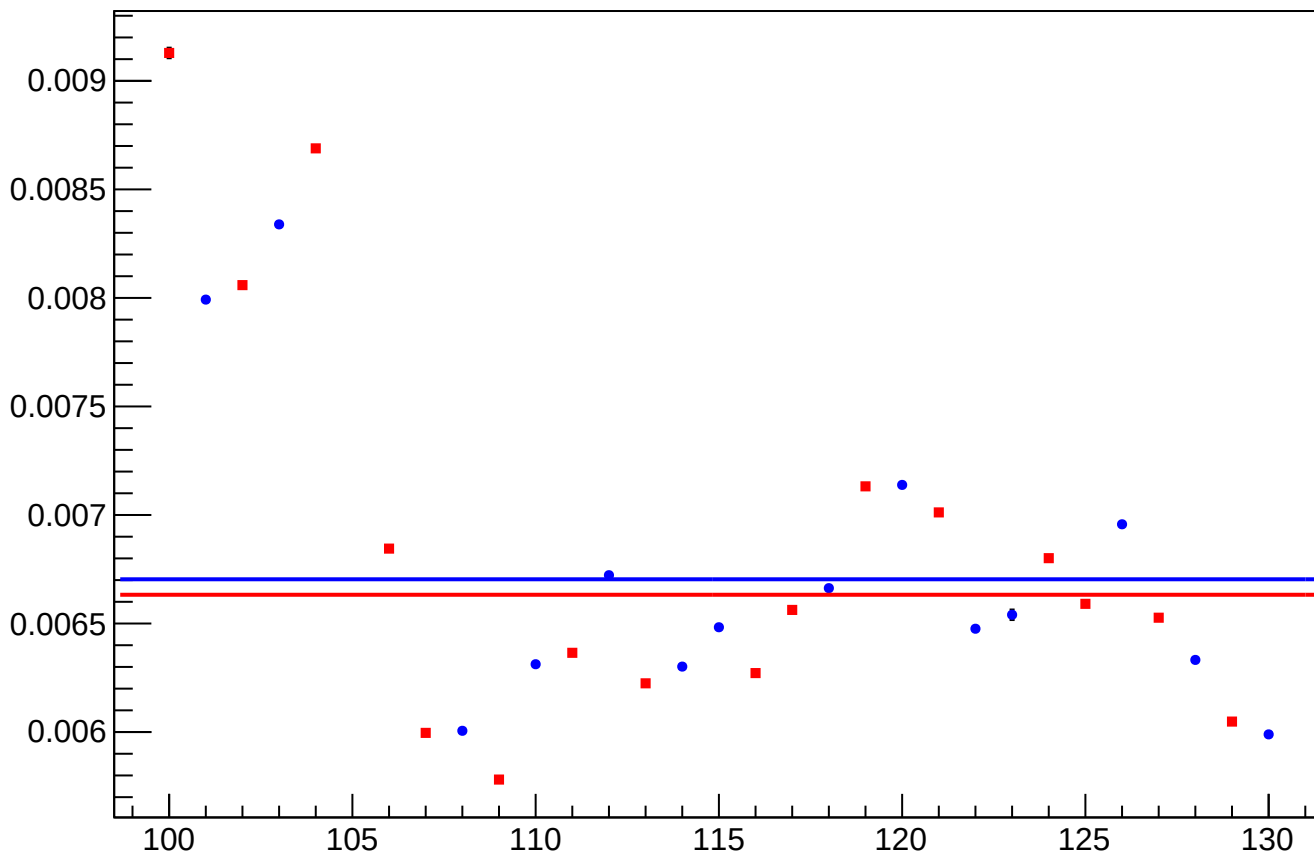
Right Out: 1.369+/-0.000 χ^2/NDF : 47258209560.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1.343+/-0.000 χ^2/NDF : 50876297693.2/13

1.369+/-0.000 χ^2/NDF : 47258209560.0/15

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 110675.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

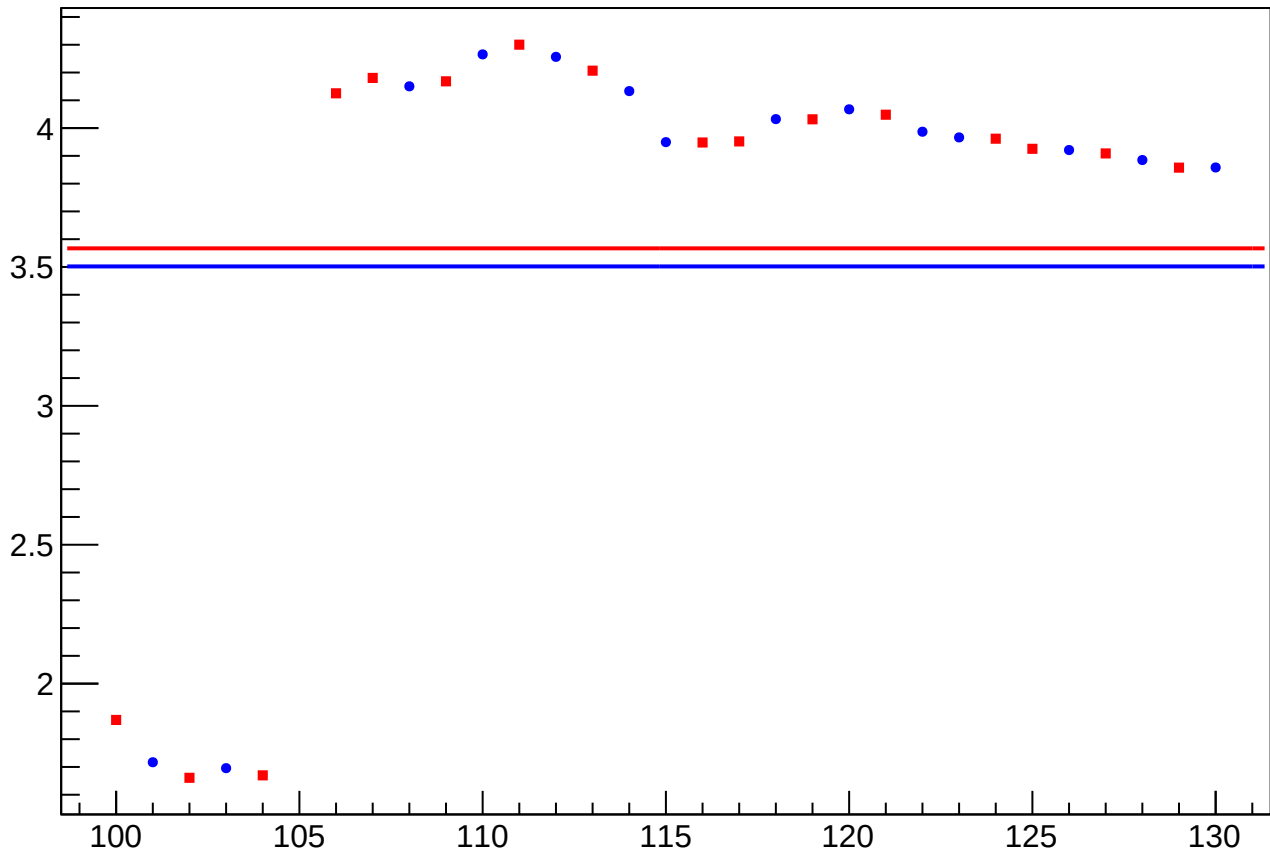
Right Out: 0.007+/-0.000 χ^2/NDF : 153052.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.007+/-0.000 χ^2/NDF : 110675.1/13

0.007+/-0.000 χ^2/NDF : 153052.5/15

yield_bpm1i04Y_mean vs Slug



Right In: 3.502+/-0.000 χ^2/NDF : 175939885341.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

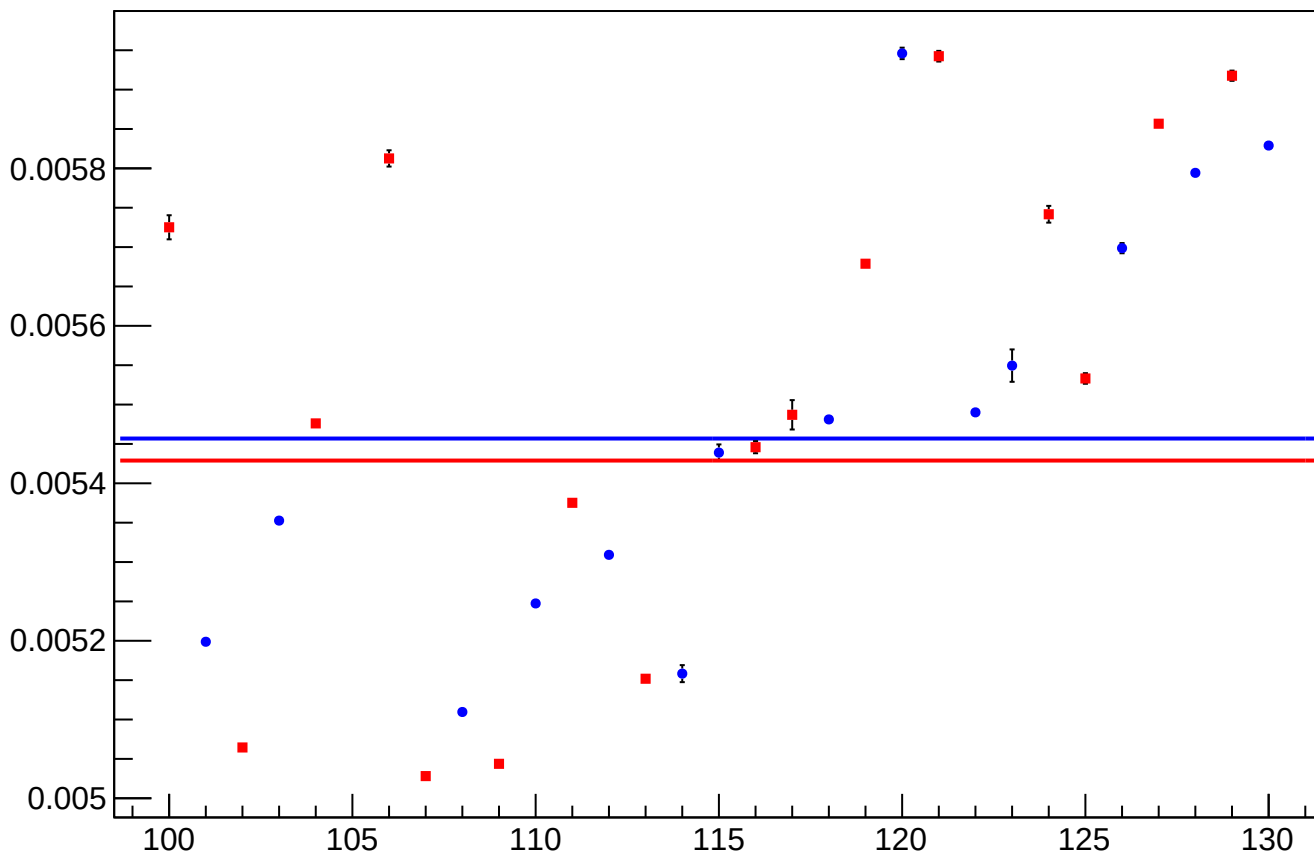
3.502+/-0.000 χ^2/NDF : 175939885341.4/13

Right Out: 3.567+/-0.000 χ^2/NDF : 183071238794.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

3.567+/-0.000 χ^2/NDF : 183071238794.0/15

yield_bpm1i04Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 22992.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

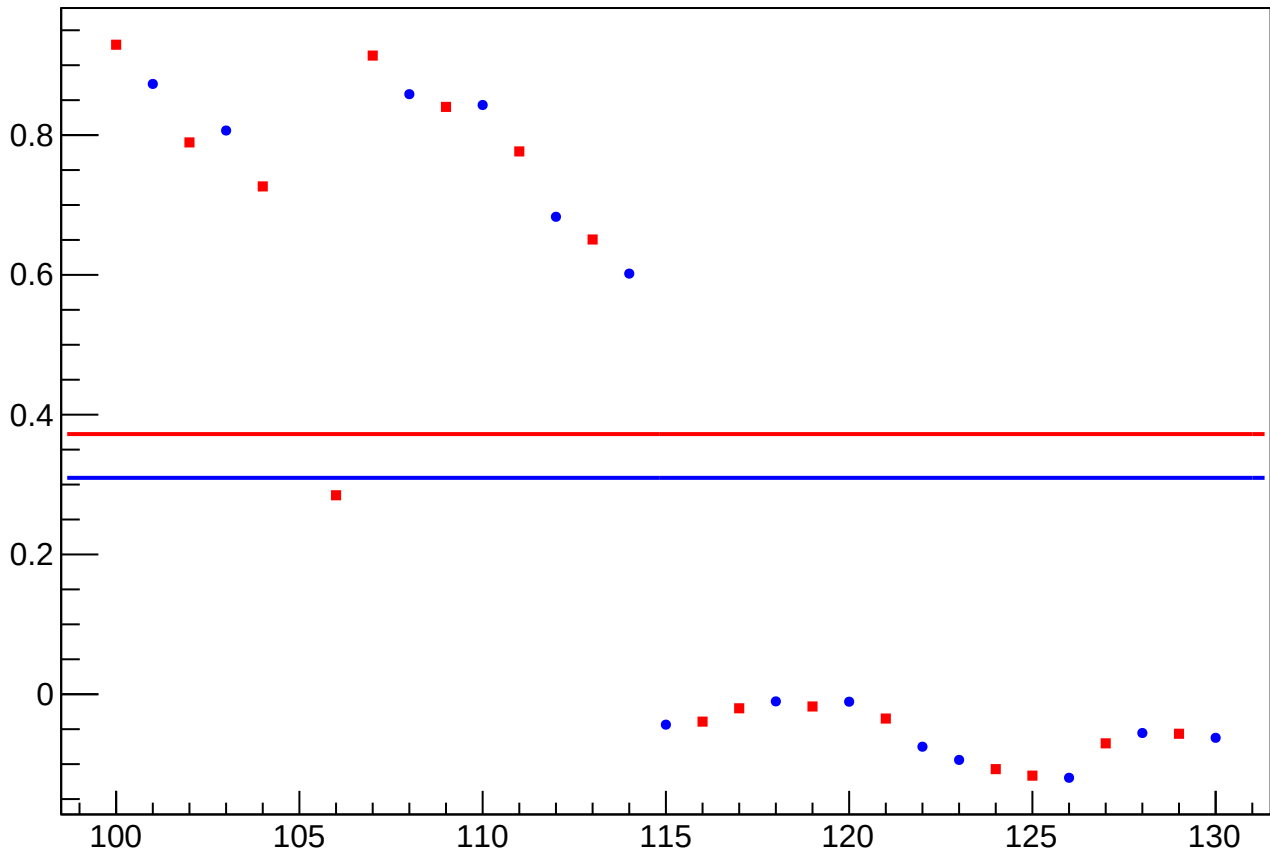
Right Out: 0.005+/-0.000 χ^2/NDF : 39842.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.005+/-0.000 χ^2/NDF : 22992.2/13

0.005+/-0.000 χ^2/NDF : 39842.9/15

yield_bpm1i06X_mean vs Slug



Right In: 0.310+/-0.000 χ^2/NDF : 4912960265.6/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

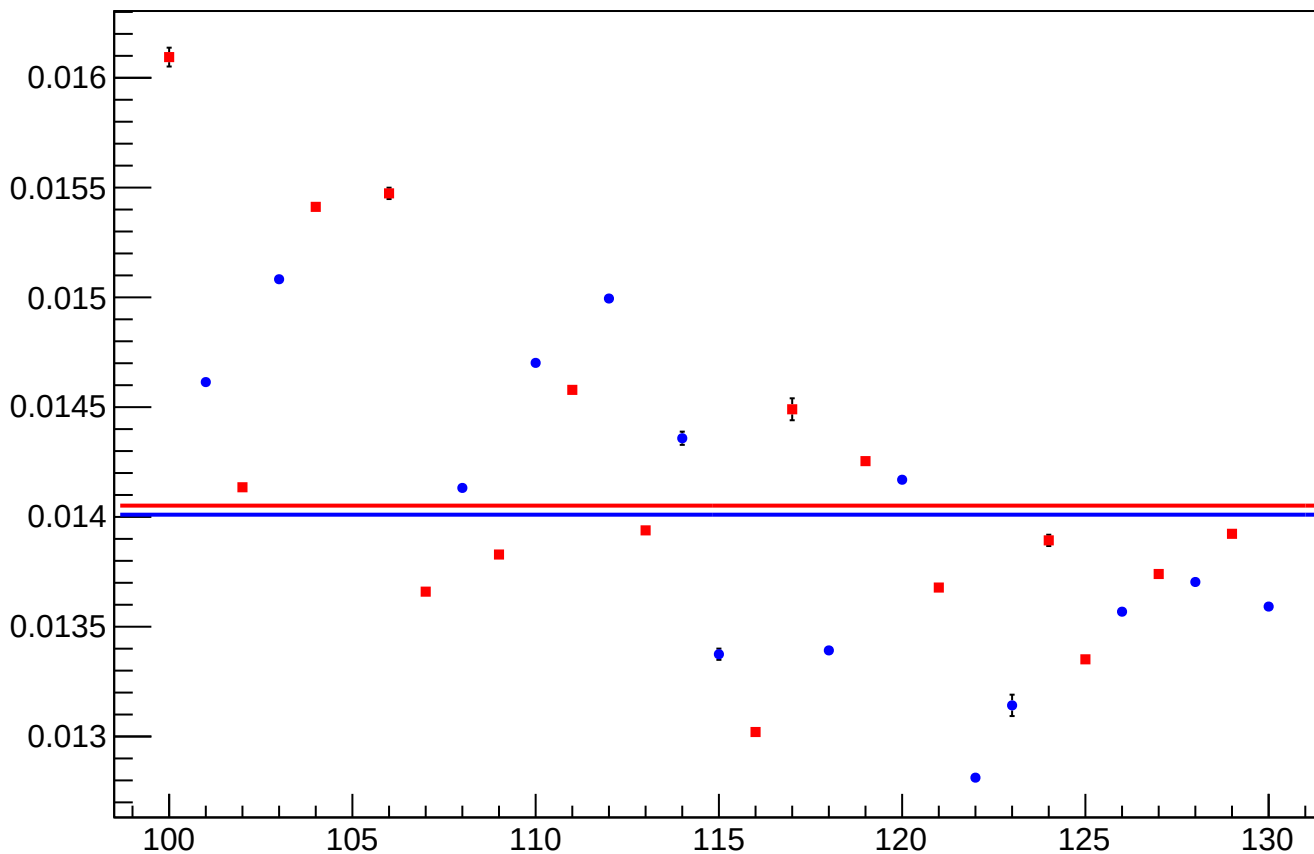
0.310+/-0.000 χ^2/NDF : 4912960265.6/13

Right Out: 0.372+/-0.000 χ^2/NDF : 4941810956.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.372+/-0.000 χ^2/NDF : 4941810956.1/15

yield_bpm1i06X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 25947.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

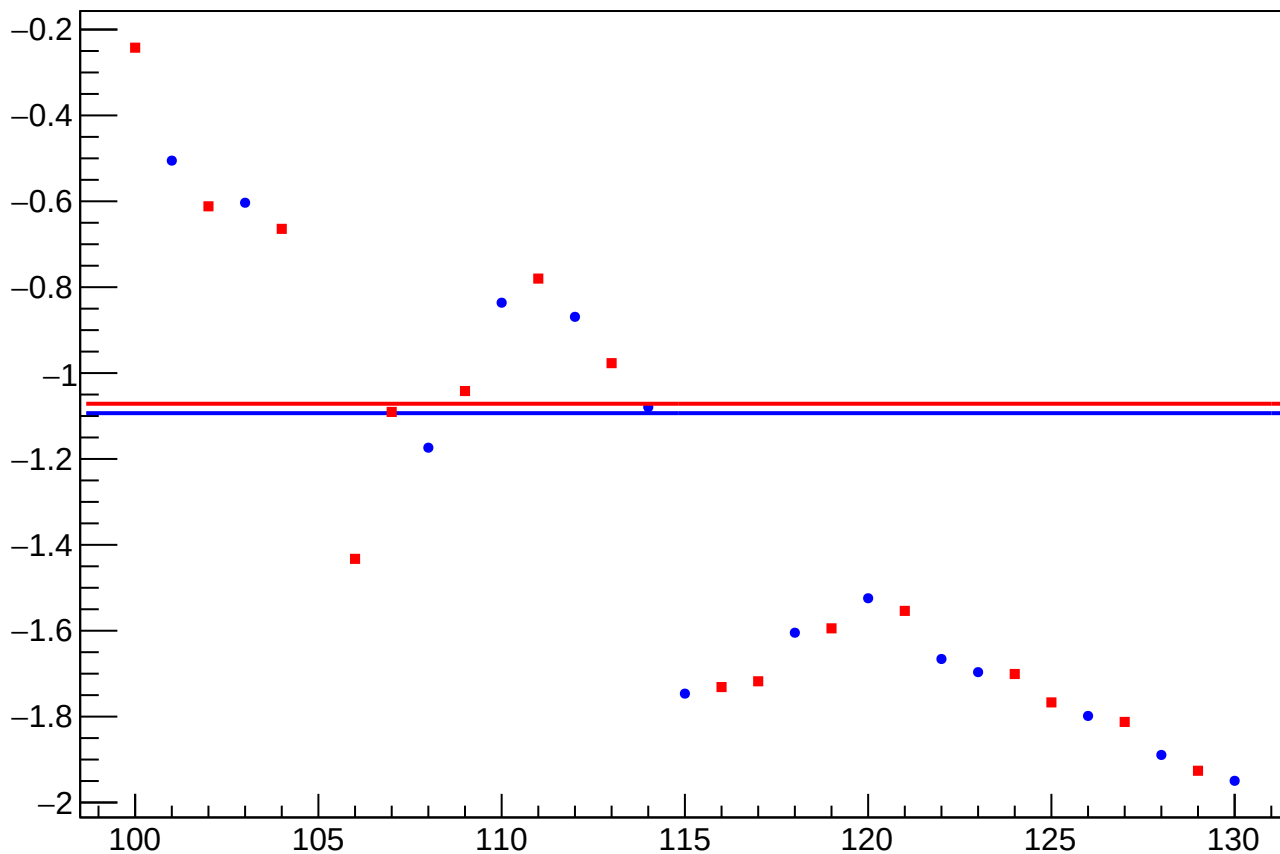
Right Out: 0.014+/-0.000 χ^2/NDF : 21366.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.014+/-0.000 χ^2/NDF : 25947.2/13

0.014+/-0.000 χ^2/NDF : 21366.2/15

yield_bpm1i06Y_mean vs Slug



Right In: -1.093+/-0.000 χ^2/NDF : 50287645785.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

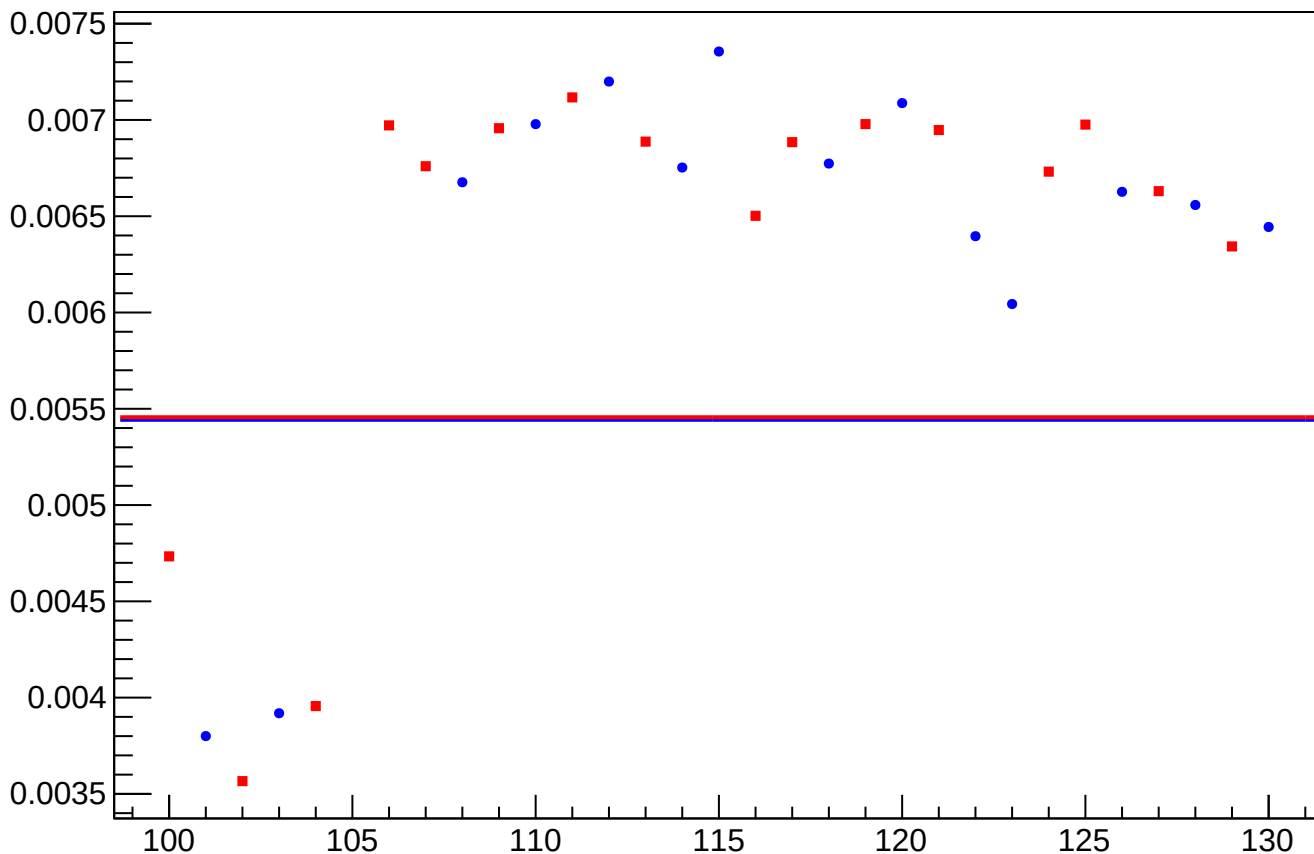
Right Out: -1.071+/-0.000 χ^2/NDF : 40746991597.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-1.093+/-0.000 χ^2/NDF : 50287645785.3/13

-1.071+/-0.000 χ^2/NDF : 40746991597.1/15

yield_bpm1i06Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 653277.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

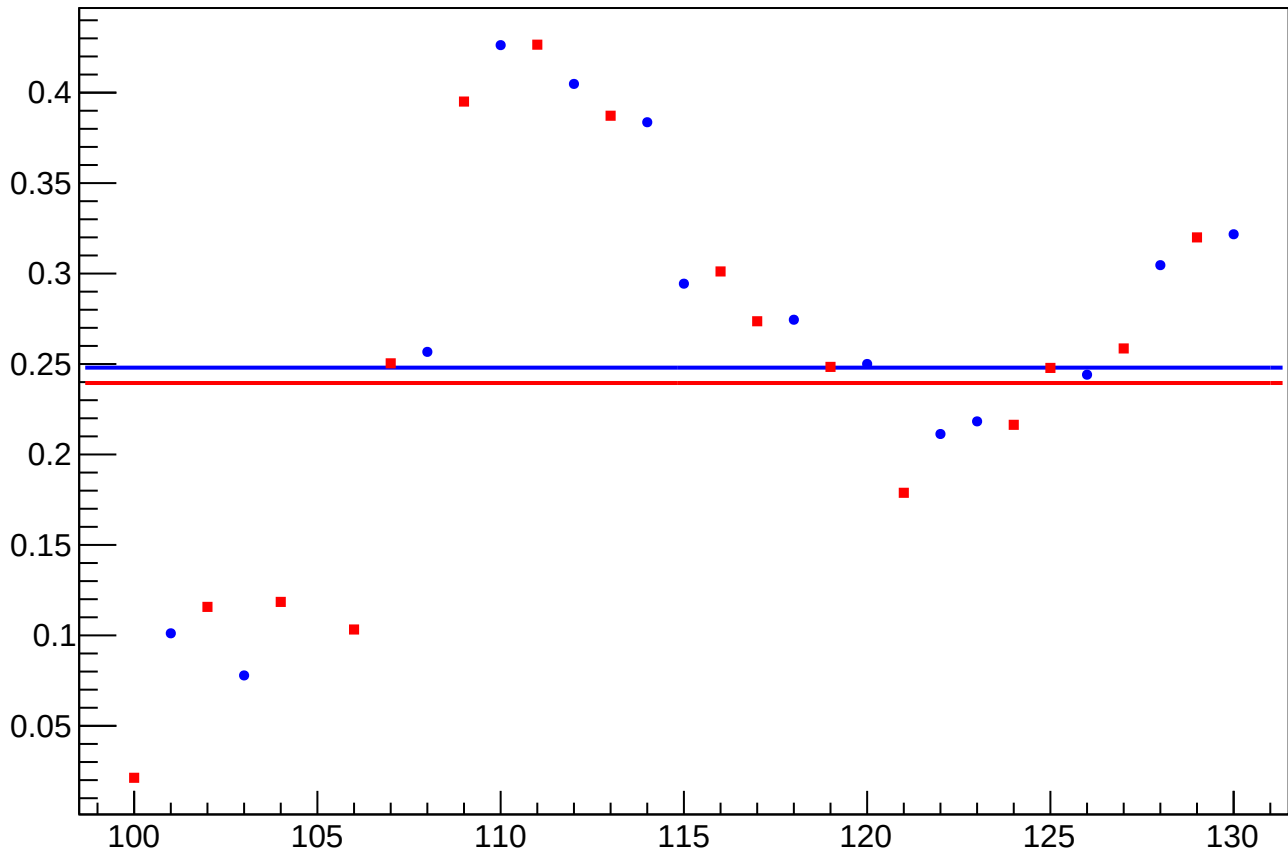
Right Out: 0.005+/-0.000 χ^2/NDF : 765416.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.005+/-0.000 χ^2/NDF : 653277.3/13

0.005+/-0.000 χ^2/NDF : 765416.7/15

yield_bpm2i01X_mean vs Slug



Right In: 0.248+/-0.000 χ^2/NDF : 20233787219.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

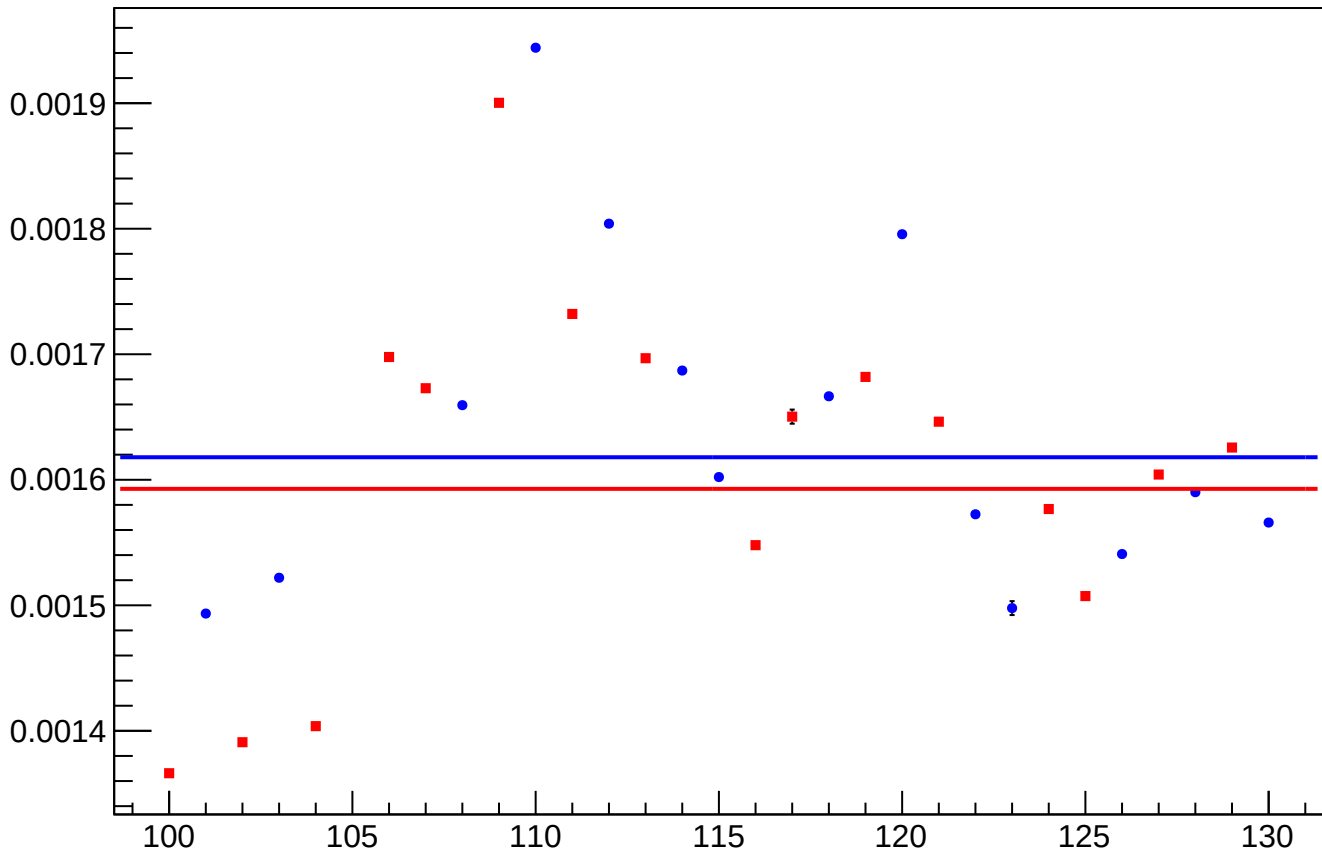
0.248+/-0.000 χ^2/NDF : 20233787219.3/13

Right Out: 0.240+/-0.000 χ^2/NDF : 24832252657.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.240+/-0.000 χ^2/NDF : 24832252657.9/15

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 50964.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

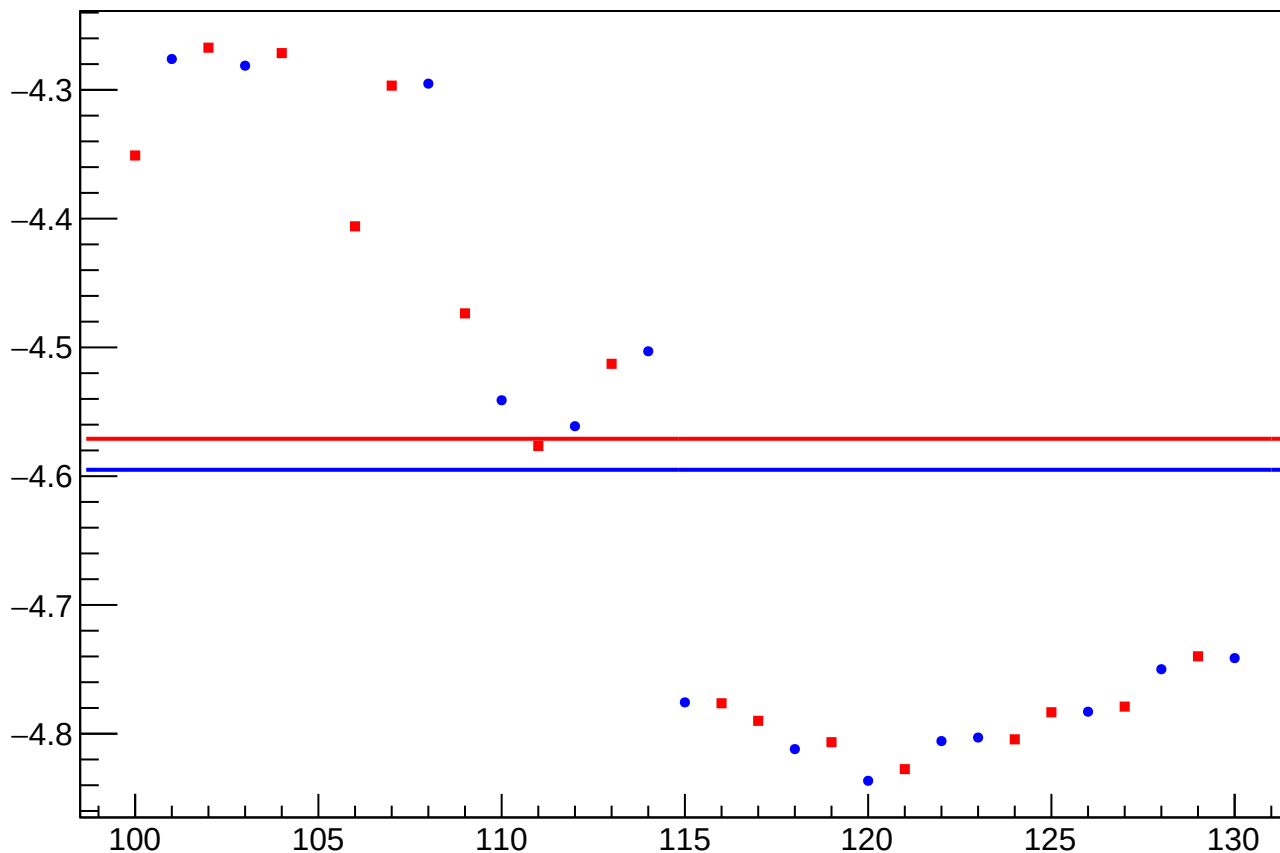
Right Out: 0.002+/-0.000 χ^2/NDF : 88325.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.002+/-0.000 χ^2/NDF : 50964.0/13

0.002+/-0.000 χ^2/NDF : 88325.9/15

yield_bpm2i01Y_mean vs Slug



Right In: -4.595+/-0.000 χ^2/NDF : 73546052551.5/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

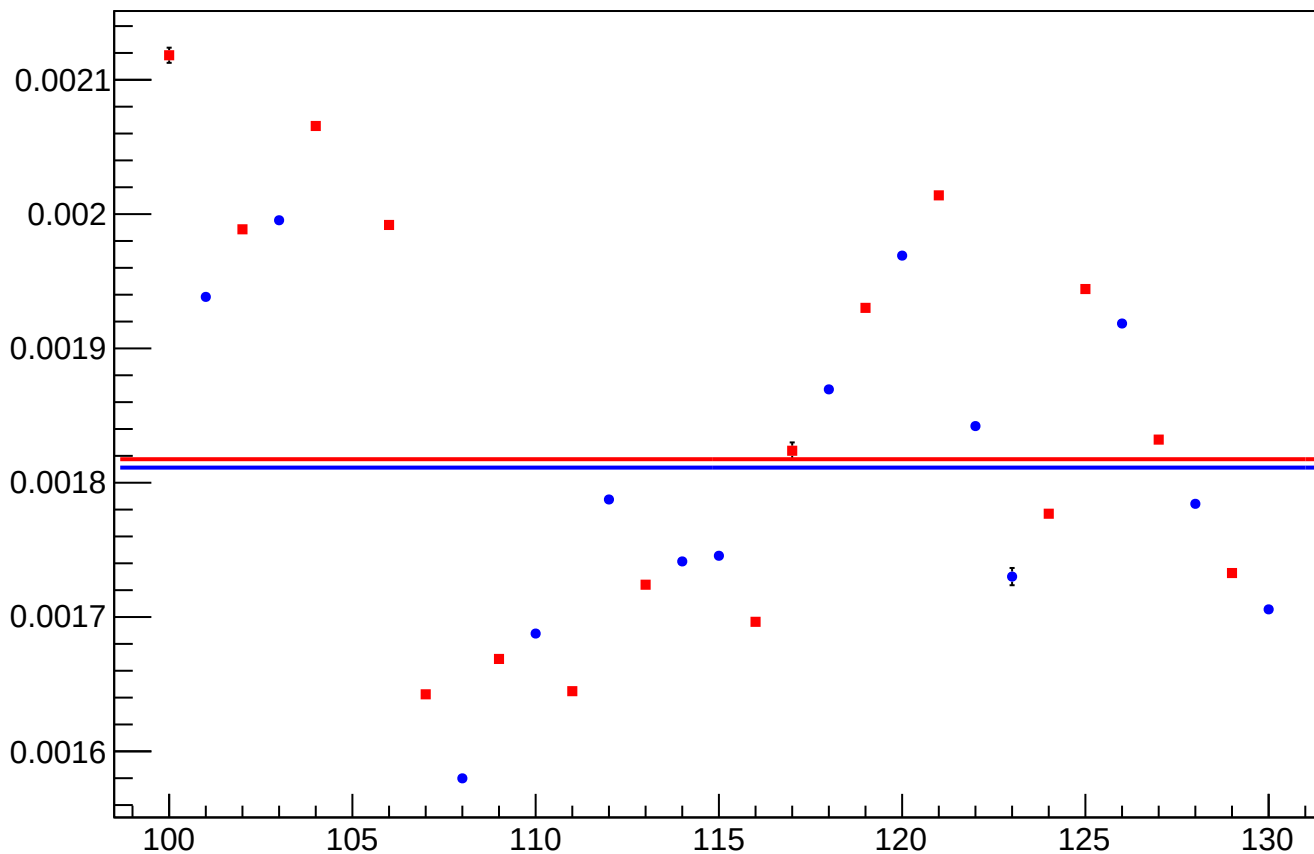
Right Out: -4.571+/-0.000 χ^2/NDF : 70541437291.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-4.595+/-0.000 χ^2/NDF : 73546052551.5/13

-4.571+/-0.000 χ^2/NDF : 70541437291.1/15

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 46973.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

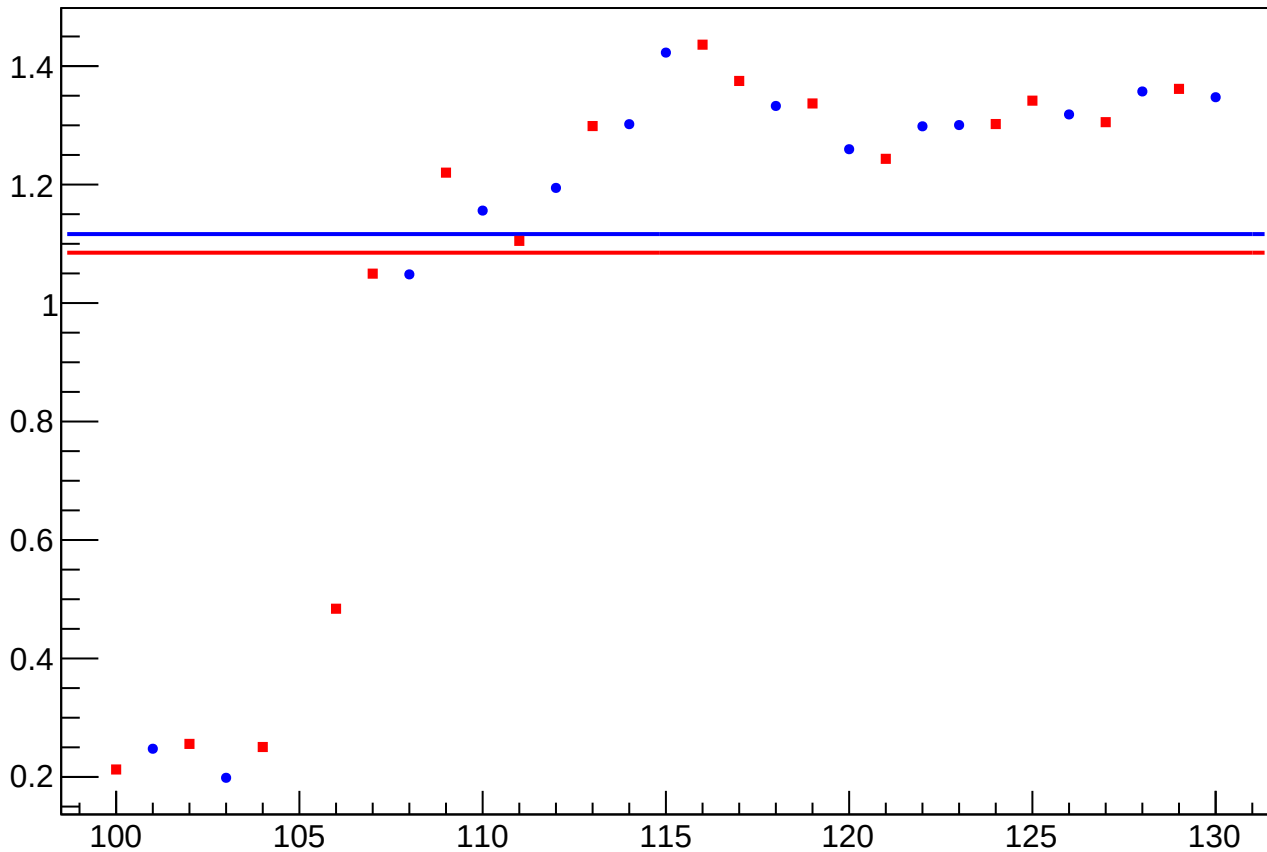
Right Out: 0.002+/-0.000 χ^2/NDF : 74564.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.002+/-0.000 χ^2/NDF : 46973.1/13

0.002+/-0.000 χ^2/NDF : 74564.5/15

yield_bpm2i02X_mean vs Slug



Right In: 1.116+/-0.000 χ^2/NDF : 14487354536.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

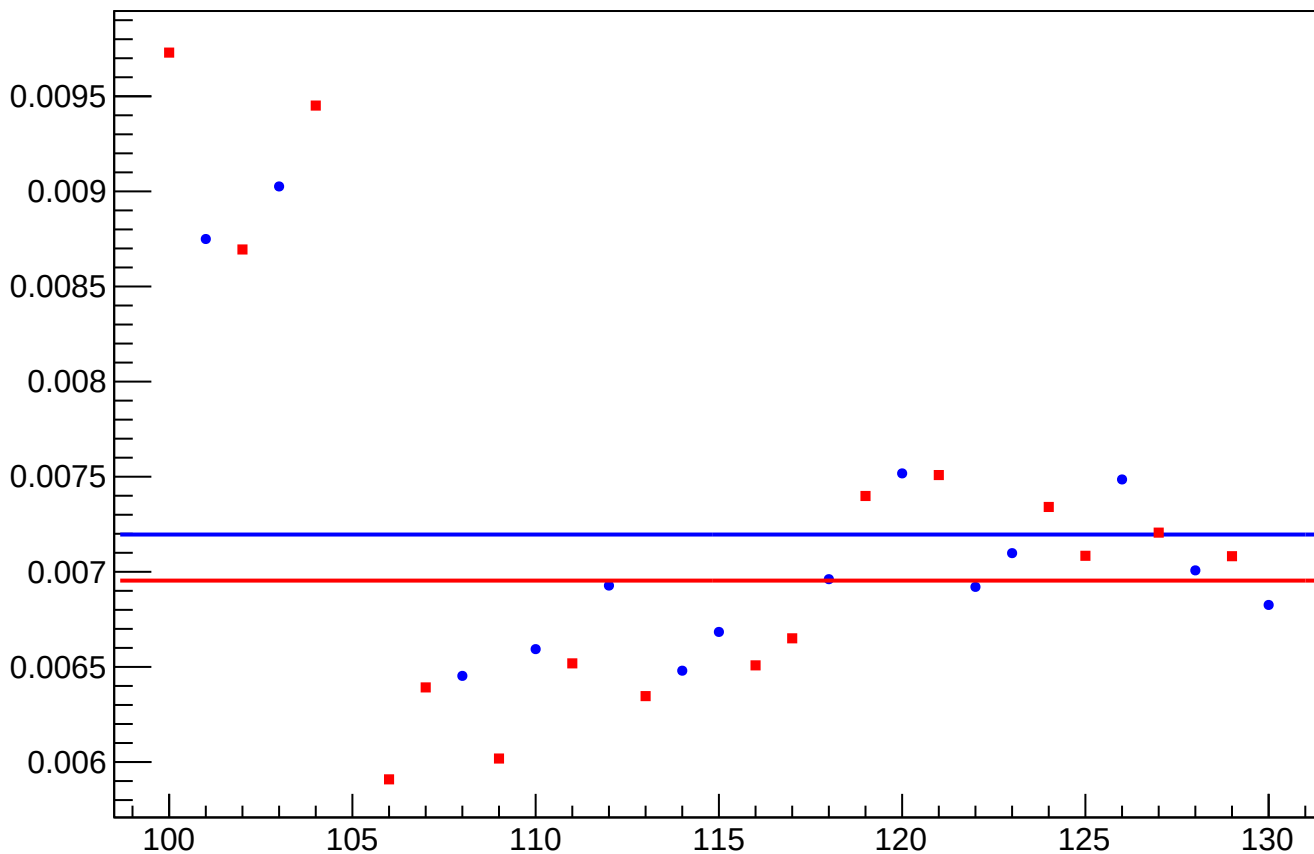
1.116+/-0.000 χ^2/NDF : 14487354536.2/13

Right Out: 1.085+/-0.000 χ^2/NDF : 16444298496.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1.085+/-0.000 χ^2/NDF : 16444298496.0/15

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 113521.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

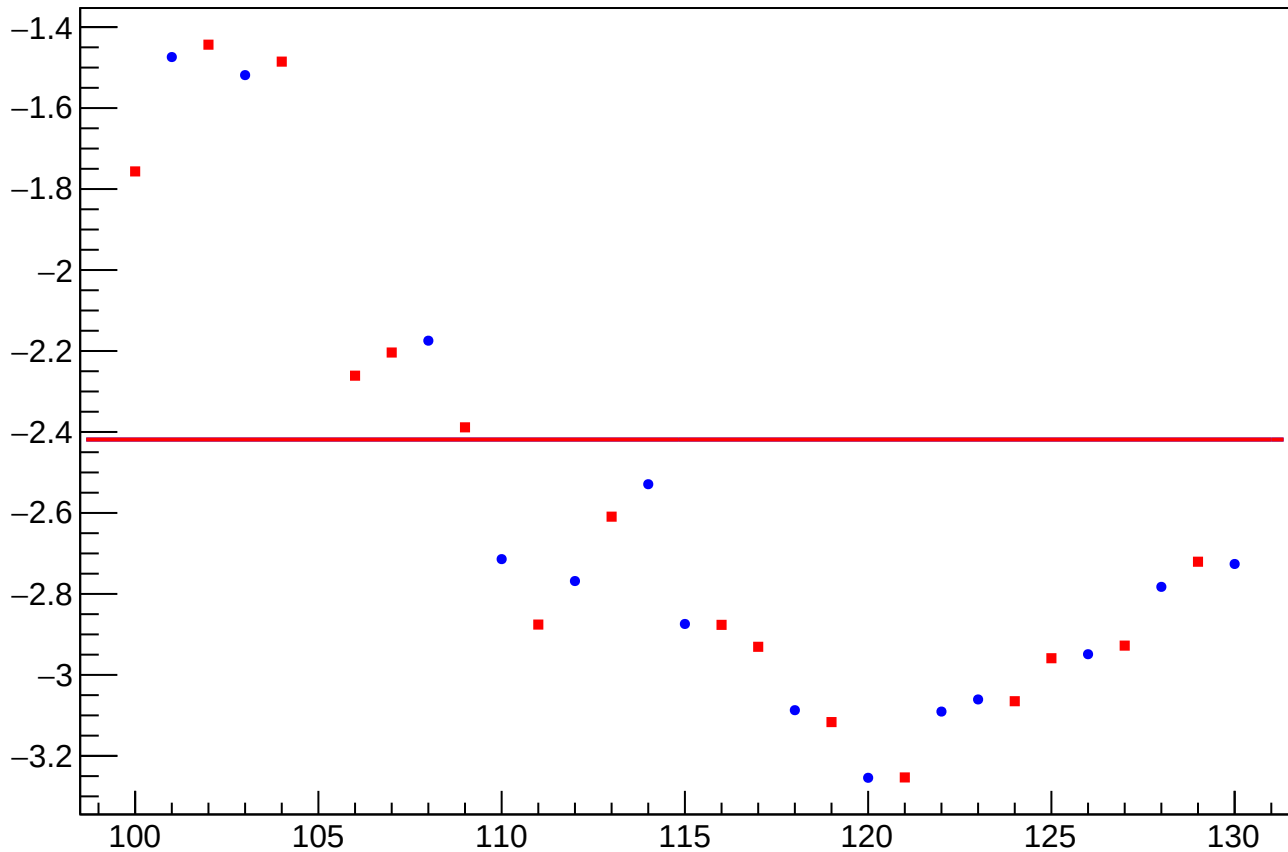
Right Out: 0.007+/-0.000 χ^2/NDF : 197980.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.007+/-0.000 χ^2/NDF : 113521.4/13

0.007+/-0.000 χ^2/NDF : 197980.5/15

yield_bpm2i02Y_mean vs Slug



Right In: -2.419+/-0.000 χ^2/NDF : 50649137221.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

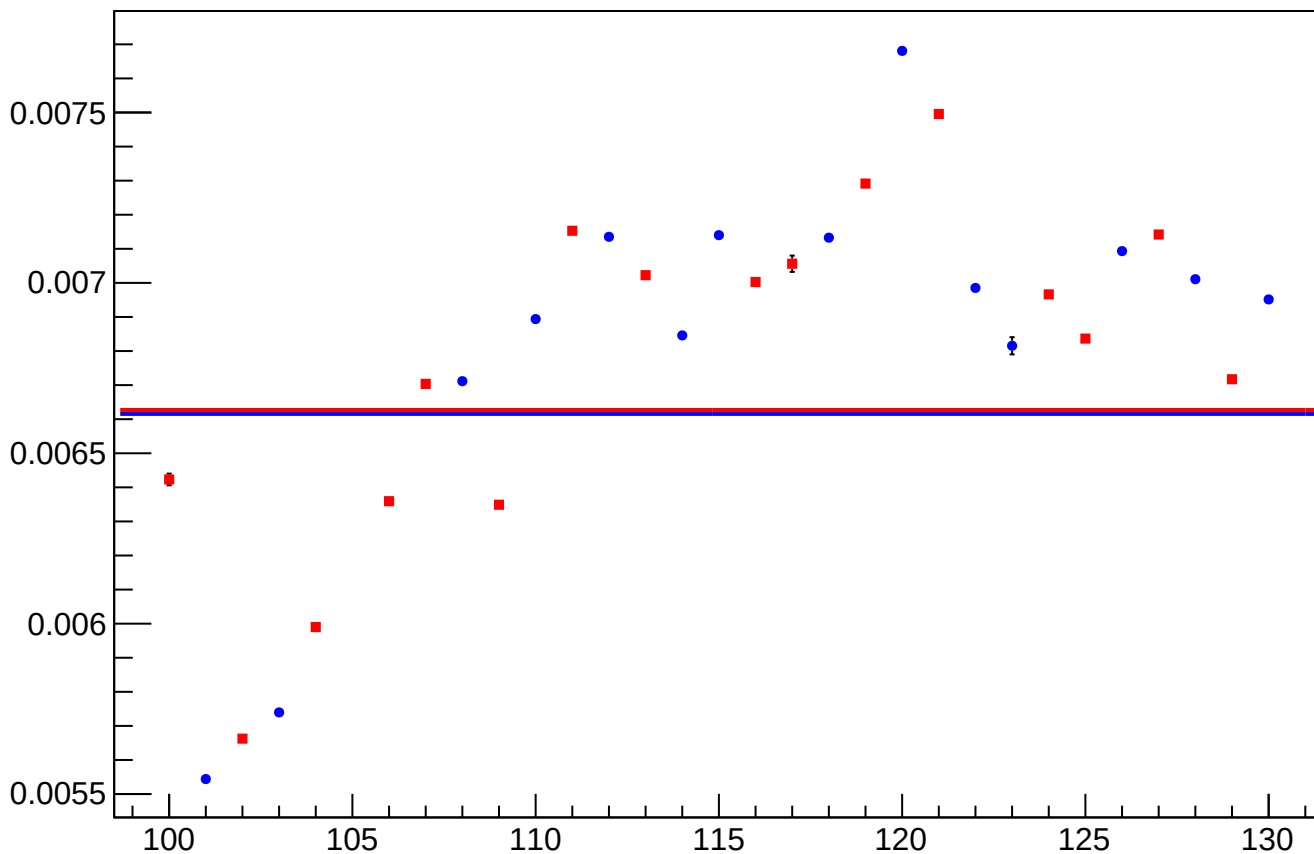
Right Out: -2.419+/-0.000 χ^2/NDF : 48679314623.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-2.419+/-0.000 χ^2/NDF : 50649137221.3/13

-2.419+/-0.000 χ^2/NDF : 48679314623.6/15

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 107588.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

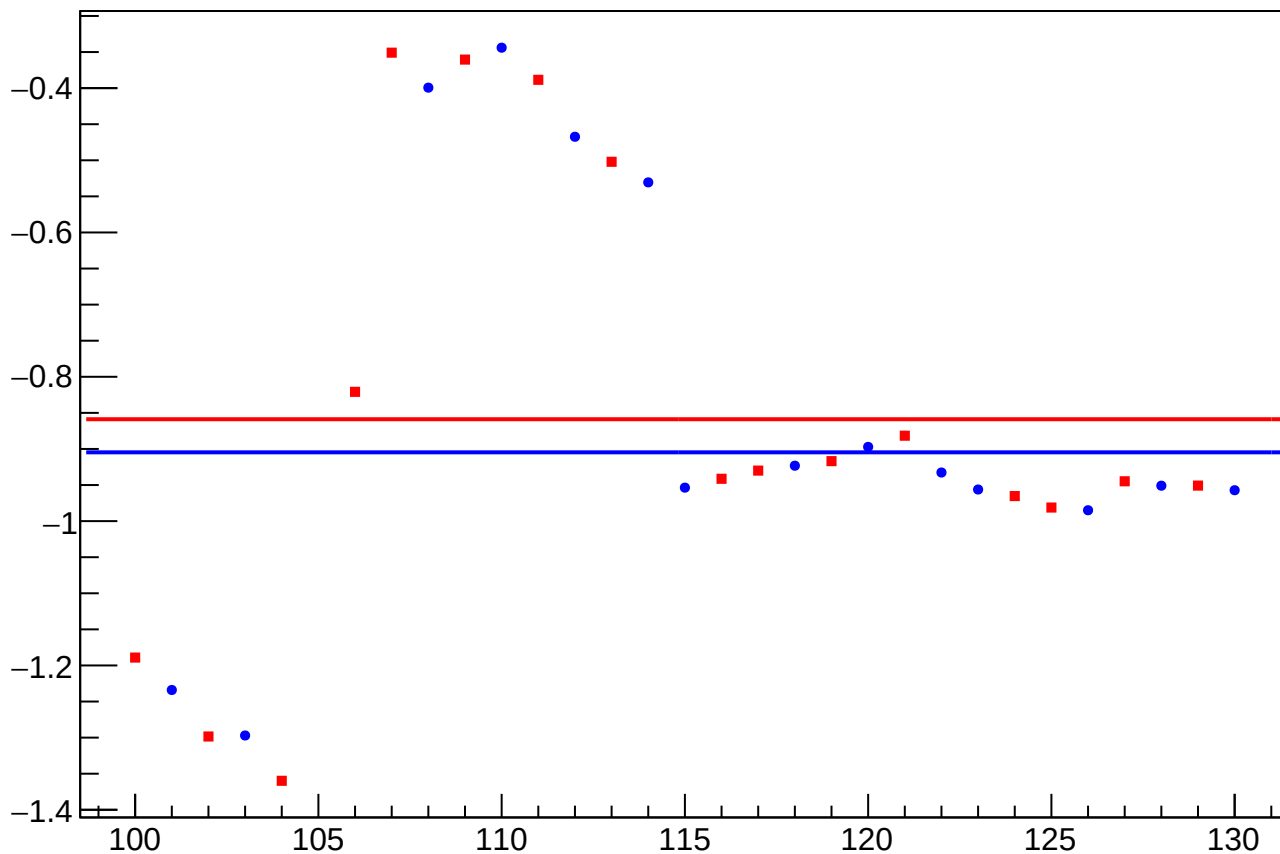
Right Out: 0.007+/-0.000 χ^2/NDF : 80120.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.007+/-0.000 χ^2/NDF : 107588.0/13

0.007+/-0.000 χ^2/NDF : 80120.9/15

yield_bpm0i01X_mean vs Slug



Right In: -0.905+/-0.000 χ^2/NDF : 3915892768.4/13

Left Out: 0.000+/-0.000 χ^2/NDF :0.0/0

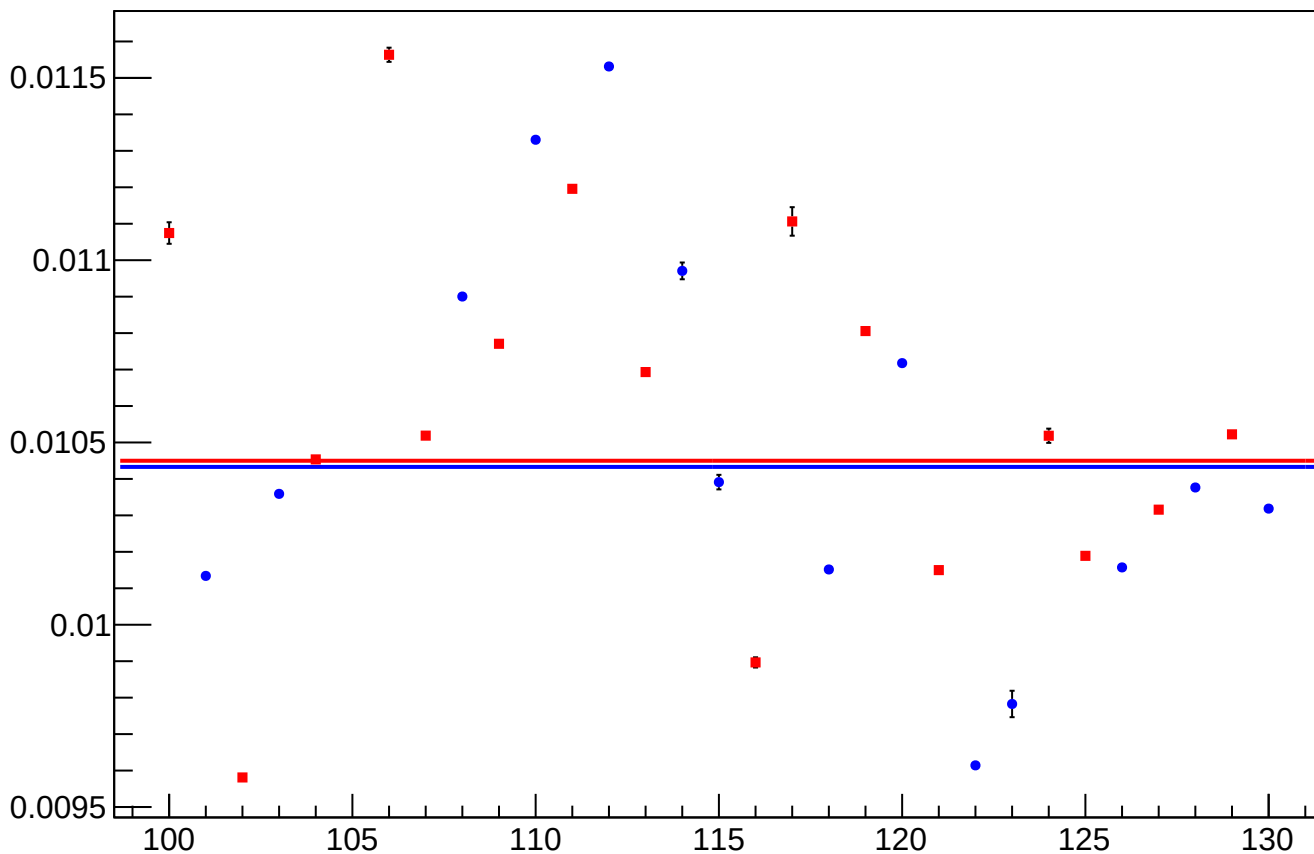
Right Out: -0.859+/-0.000 χ^2/NDF : 5650325009.8/15

Left In: 0.000+/-0.000 χ^2/NDF :0.0/0

-0.905+/-0.000 χ^2/NDF : 3915892768.4/13

-0.859+/-0.000 χ^2/NDF : 5650325009.8/15

yield_bpm0i01X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 23825.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

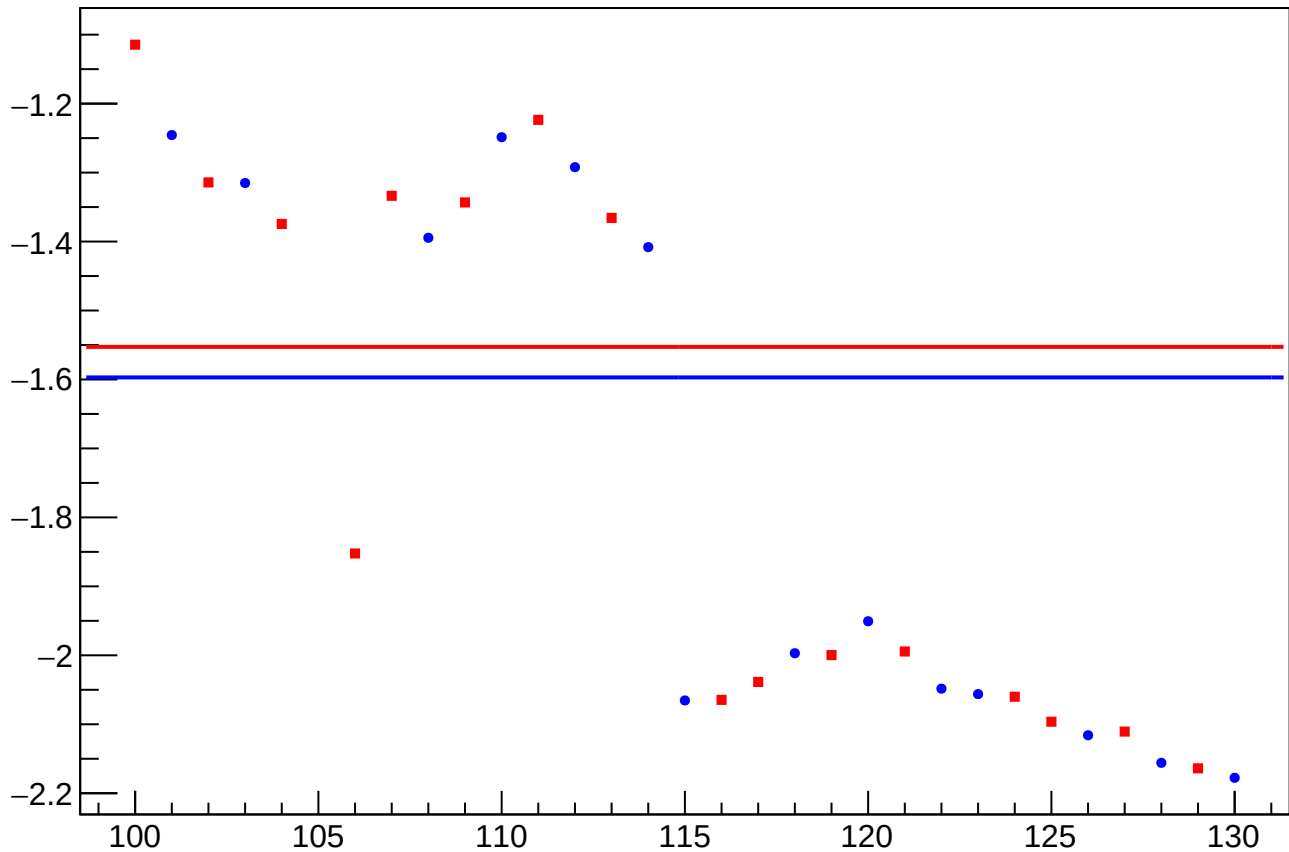
Right Out: 0.010+/-0.000 χ^2/NDF : 22083.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.010+/-0.000 χ^2/NDF : 23825.0/13

0.010+/-0.000 χ^2/NDF : 22083.8/15

yield_bpm0i01Y_mean vs Slug



Right In: -1.597+/-0.000 χ^2/NDF : 115570409300.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

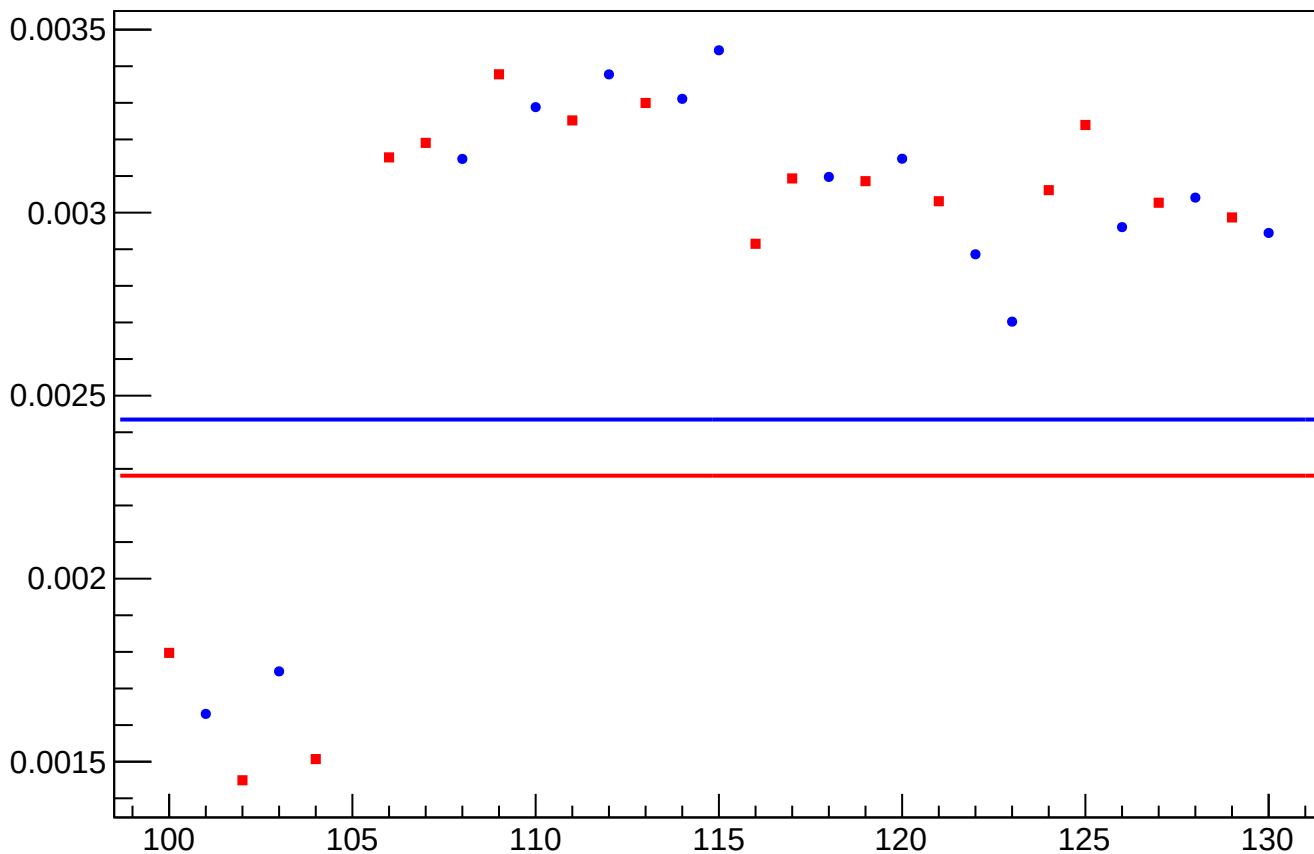
Right Out: -1.553+/-0.000 χ^2/NDF : 100955280000.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-1.597+/-0.000 χ^2/NDF : 115570409300.0/13

-1.553+/-0.000 χ^2/NDF : 100955280000.1/15

yield_bpm0i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 759649.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

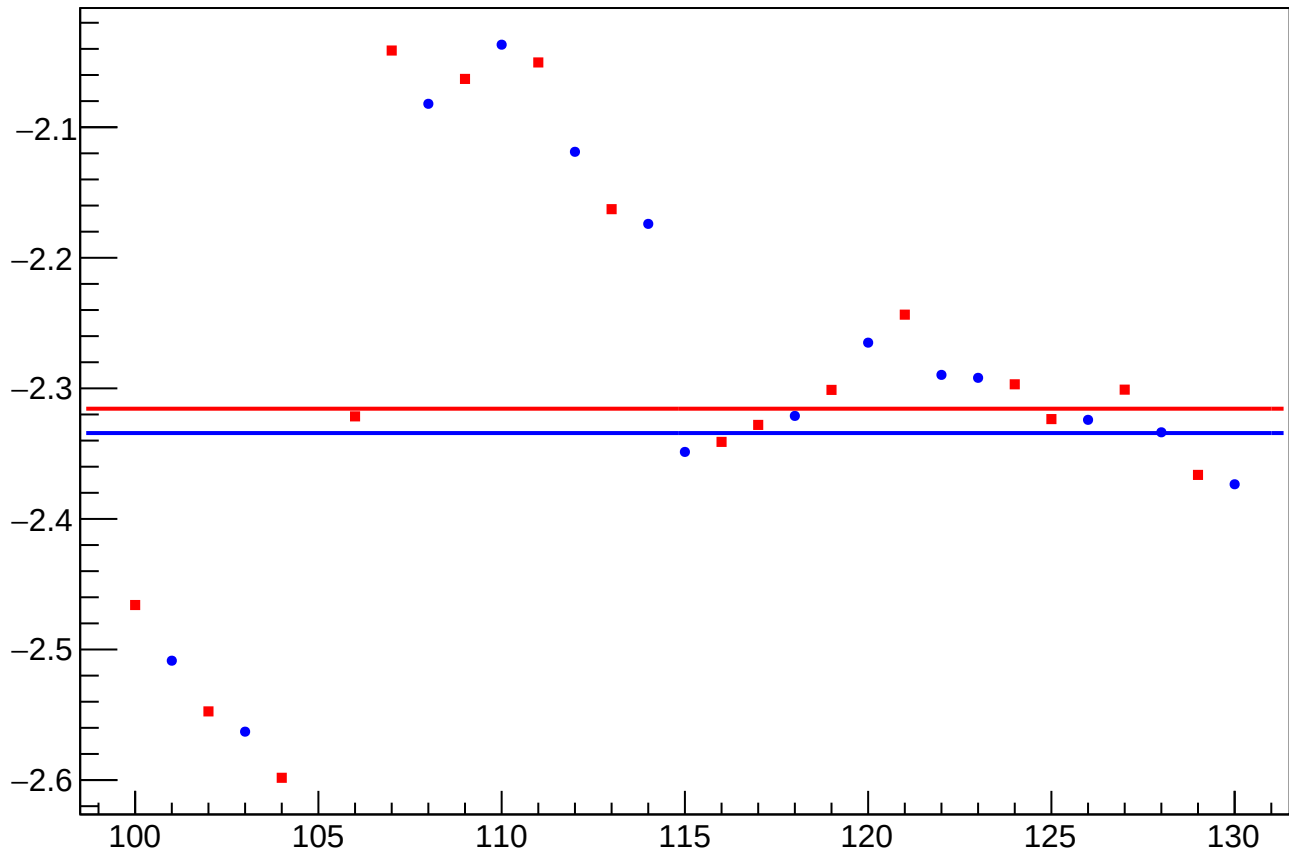
Right Out: 0.002+/-0.000 χ^2/NDF : 1182664.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.002+/-0.000 χ^2/NDF : 759649.8/13

0.002+/-0.000 χ^2/NDF : 1182664.9/15

yield_bpm0i01aX_mean vs Slug



Right In: -2.334+/-0.000 χ^2/NDF : 3019487374.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

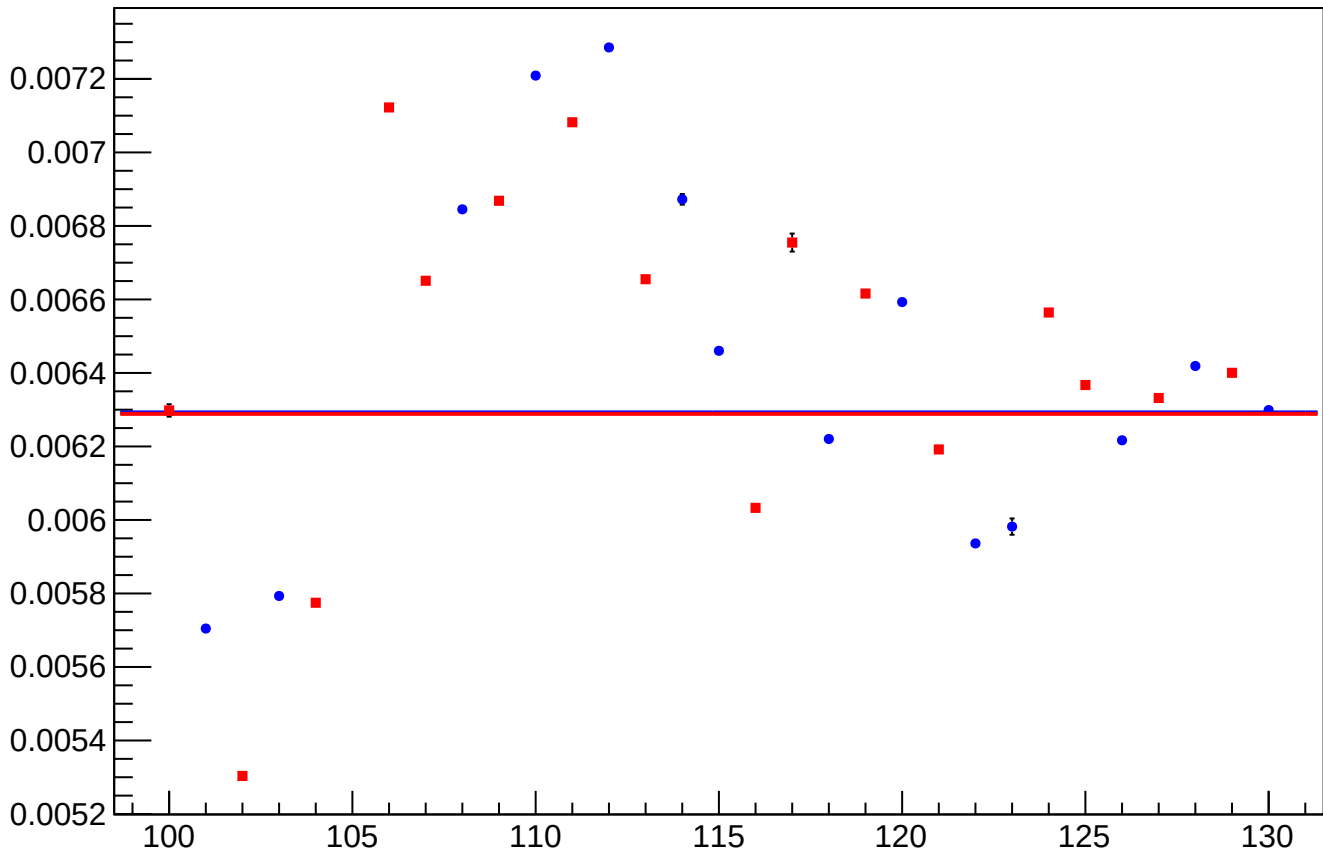
Right Out: -2.316+/-0.000 χ^2/NDF : 4423933013.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-2.334+/-0.000 χ^2/NDF : 3019487374.1/13

-2.316+/-0.000 χ^2/NDF : 4423933013.5/15

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 60124.5/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

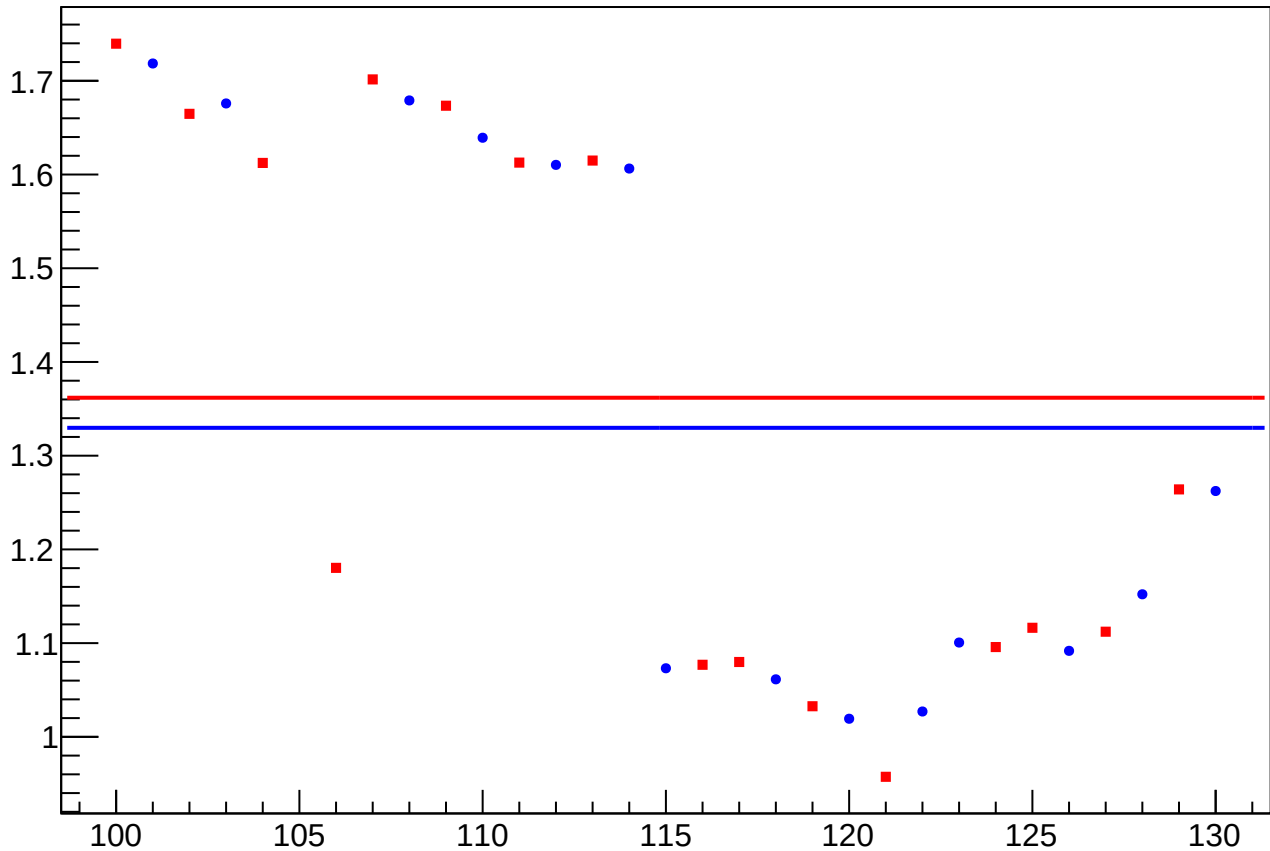
Right Out: 0.006+/-0.000 χ^2/NDF : 77186.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 60124.5/13

0.006+/-0.000 χ^2/NDF : 77186.1/15

yield_bpm0i01aY_mean vs Slug



Right In: 1.330+/-0.000 χ^2/NDF : 95186847649.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

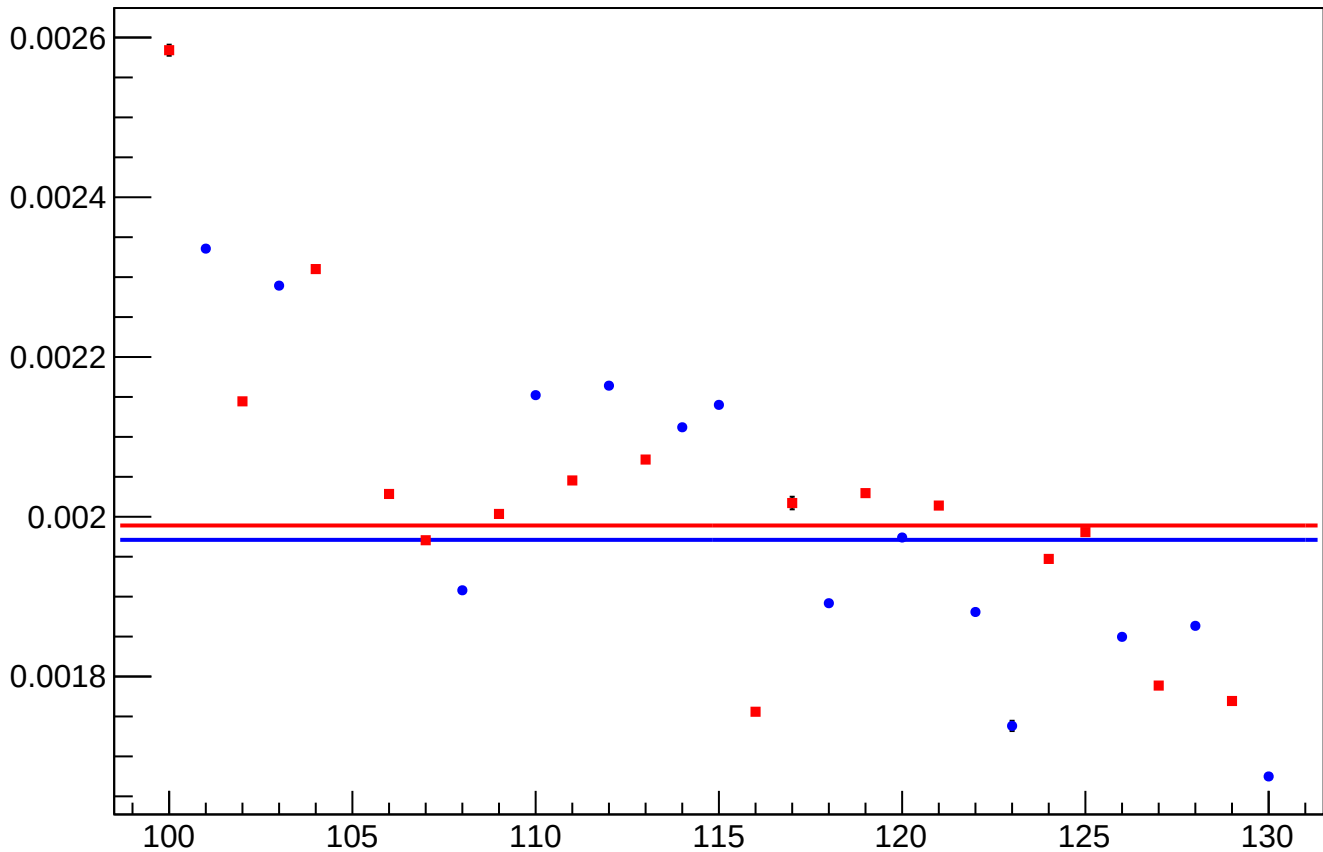
1.330+/-0.000 χ^2/NDF : 95186847649.0/13

Right Out: 1.362+/-0.000 χ^2/NDF : 102326129376.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1.362+/-0.000 χ^2/NDF : 102326129376.0/15

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 104375.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

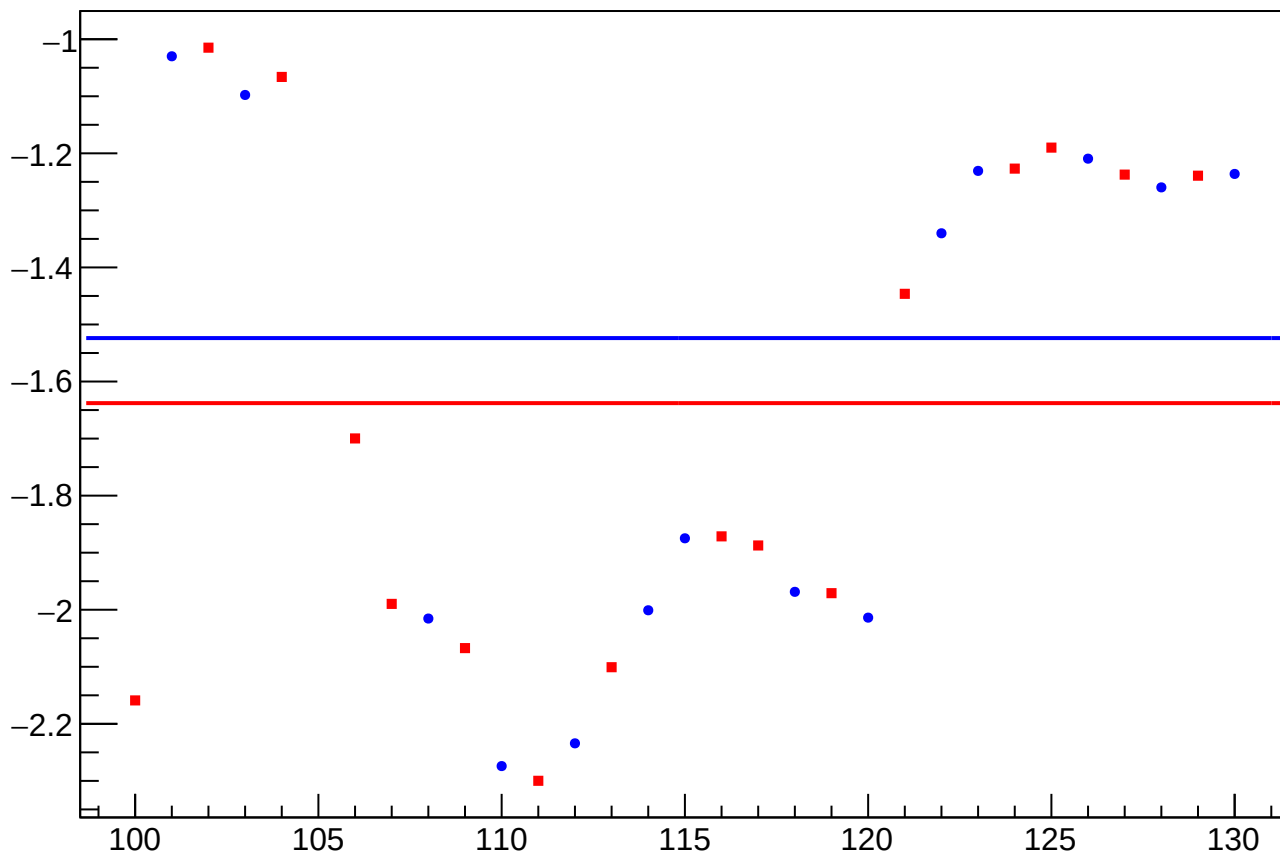
Right Out: 0.002+/-0.000 χ^2/NDF : 65621.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.002+/-0.000 χ^2/NDF : 104375.8/13

0.002+/-0.000 χ^2/NDF : 65621.2/15

yield_bpm0l01X_mean vs Slug



Right In: -1.524+/-0.000 χ^2/NDF : 21728692548.5/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

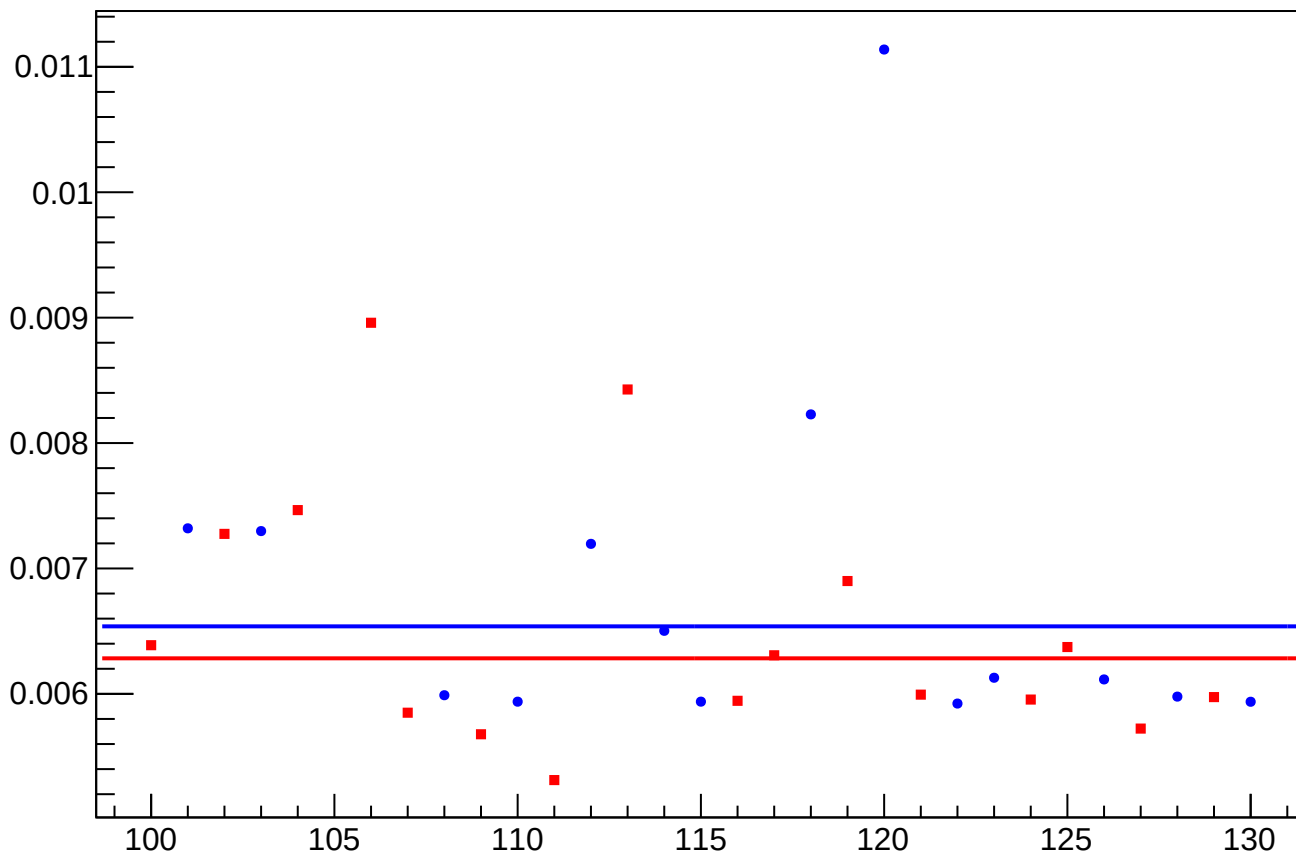
Right Out: -1.638+/-0.000 χ^2/NDF : 26850769438.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-1.524+/-0.000 χ^2/NDF : 21728692548.5/13

-1.638+/-0.000 χ^2/NDF : 26850769438.4/15

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 203514.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

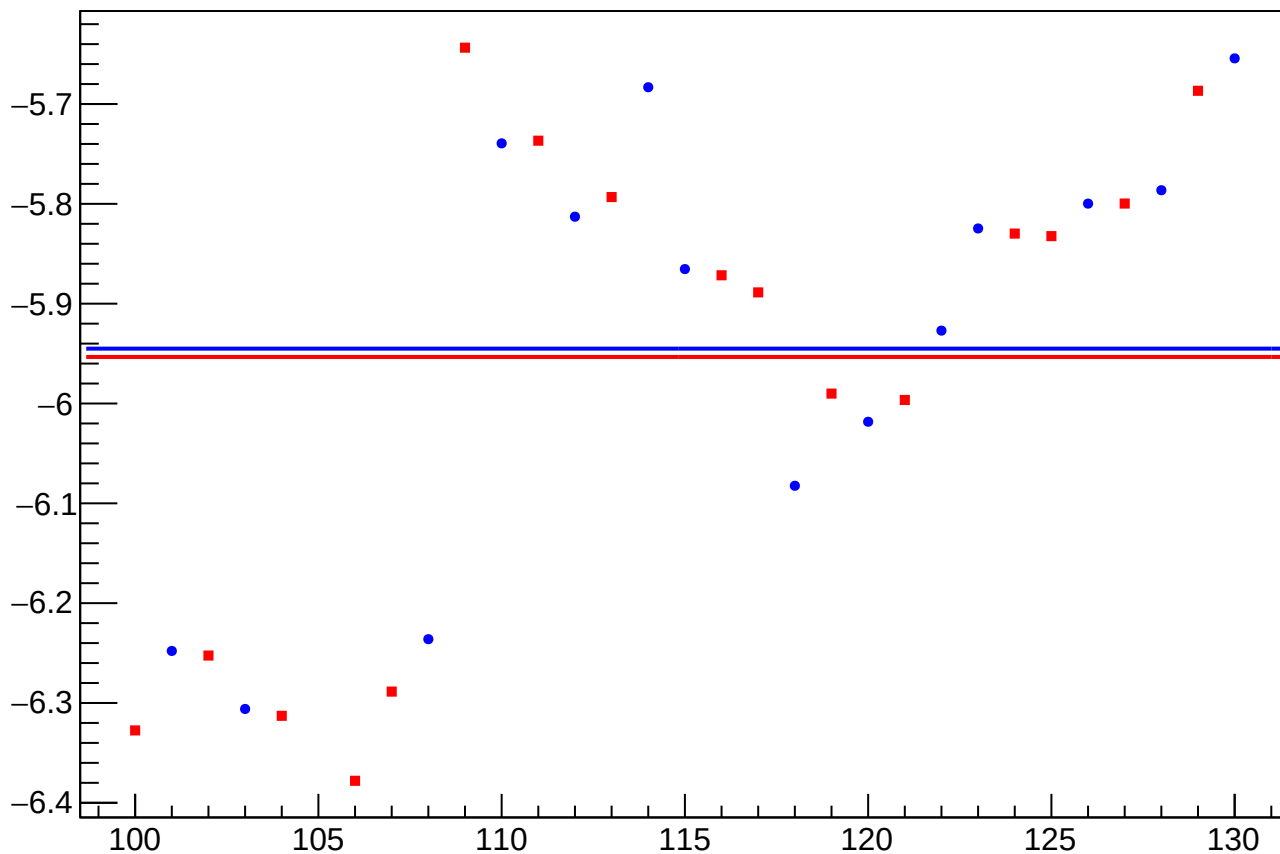
Right Out: 0.006+/-0.000 χ^2/NDF : 195036.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.007+/-0.000 χ^2/NDF : 203514.1/13

0.006+/-0.000 χ^2/NDF : 195036.8/15

yield_bpm0l01Y_mean vs Slug



Right In: -5.945+/-0.000 χ^2/NDF : 9400197894.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

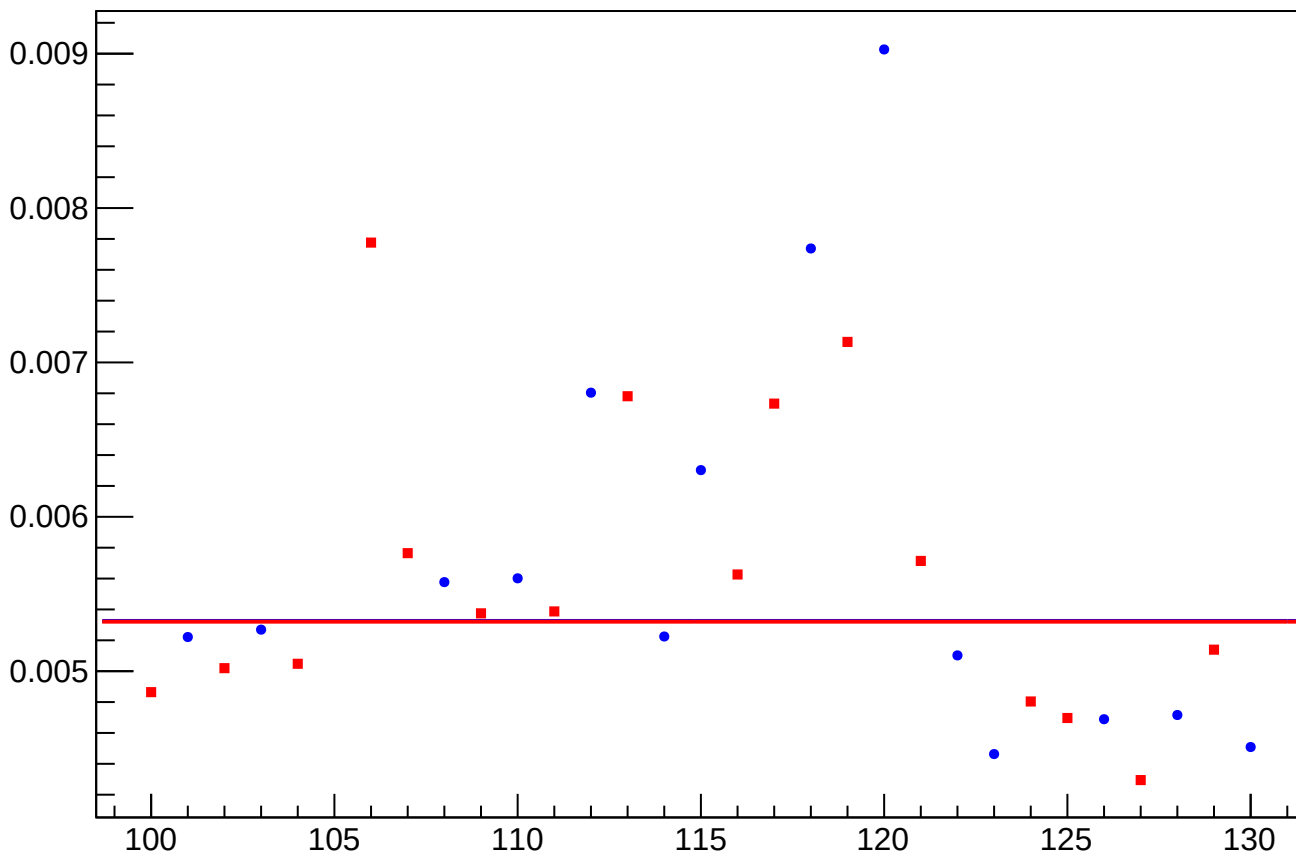
Right Out: -5.953+/-0.000 χ^2/NDF : 10894457750.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-5.945+/-0.000 χ^2/NDF : 9400197894.0/13

-5.953+/-0.000 χ^2/NDF : 10894457750.1/15

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 296284.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

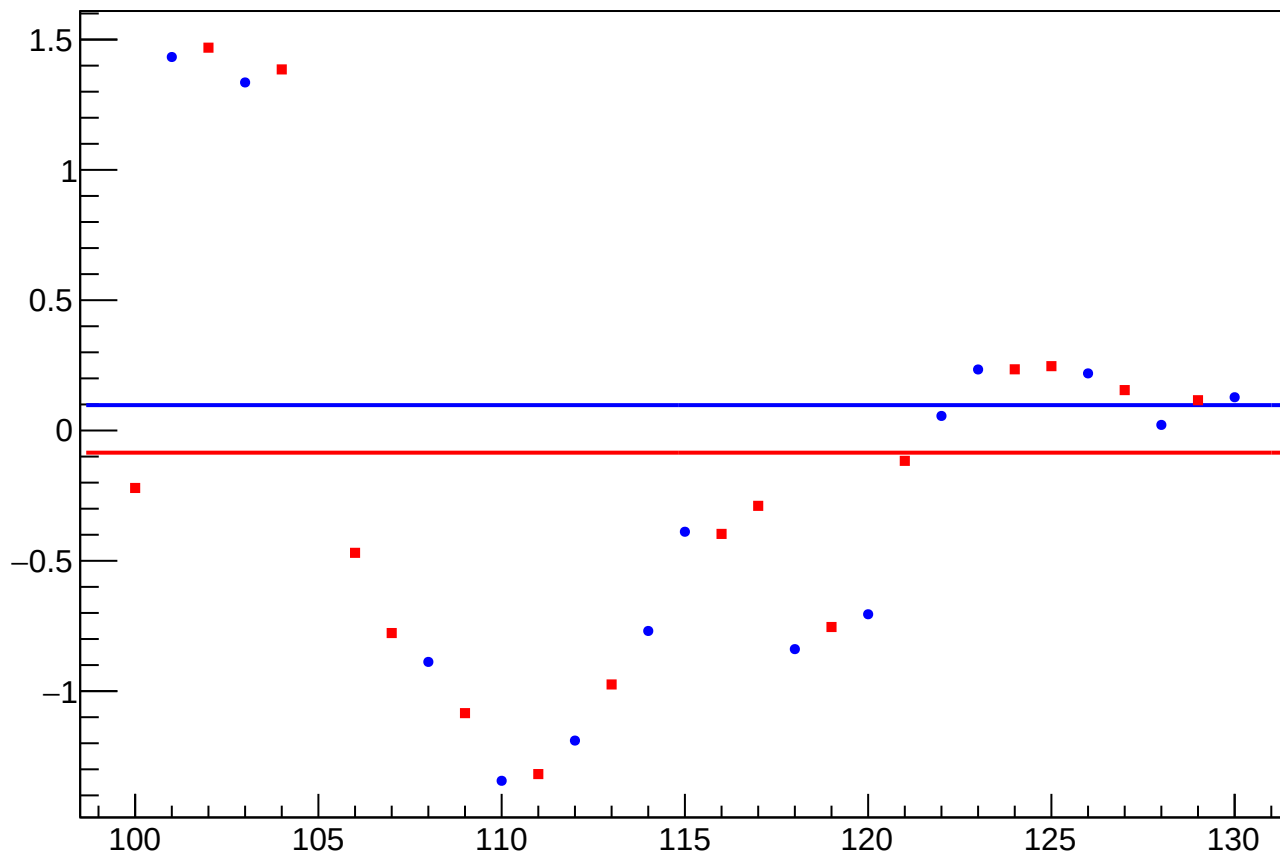
Right Out: 0.005+/-0.000 χ^2/NDF : 223108.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.005+/-0.000 χ^2/NDF : 296284.9/13

0.005+/-0.000 χ^2/NDF : 223108.5/15

yield_bpm0l02X_mean vs Slug



Right In: 0.097+/-0.000 χ^2/NDF : 16386125830.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

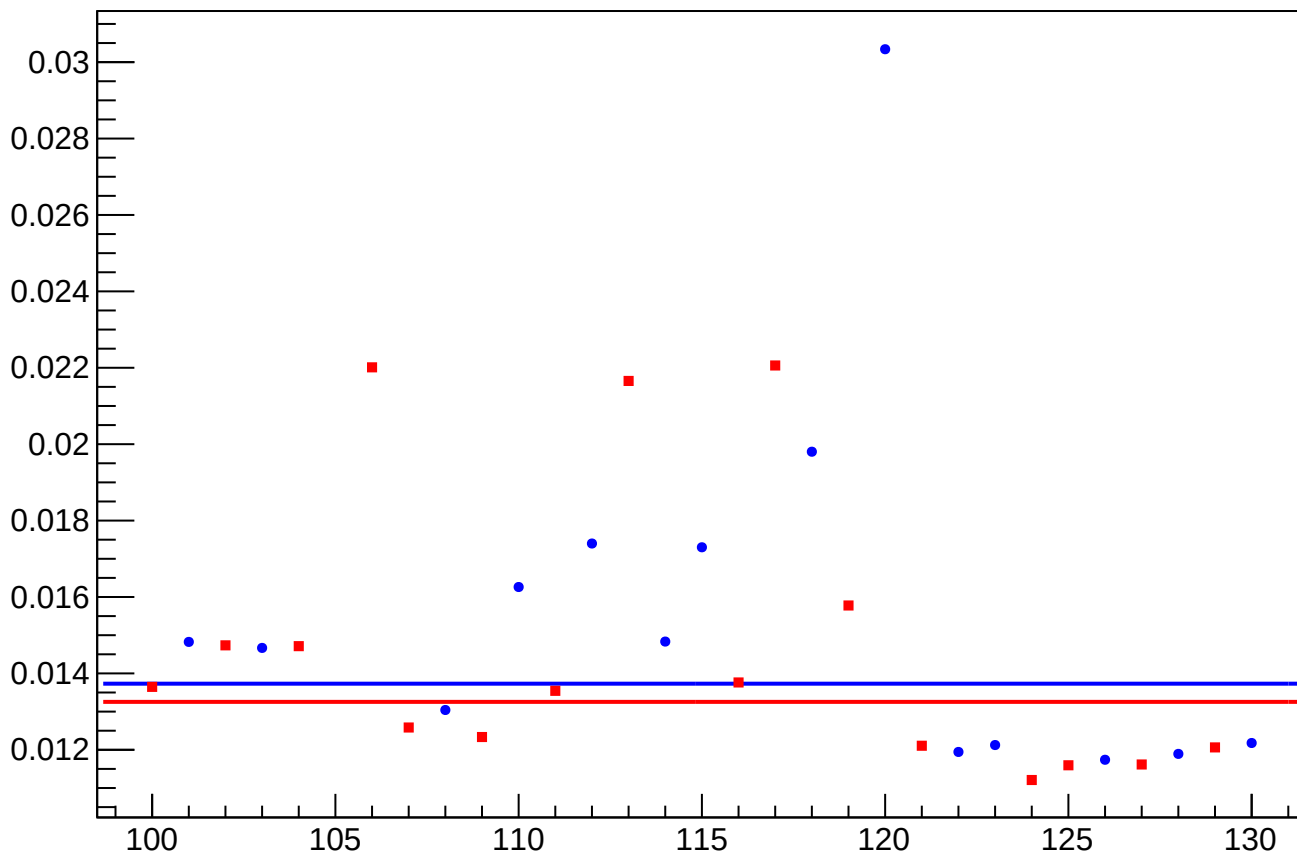
Right Out: -0.085+/-0.000 χ^2/NDF : 20627011490.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.097+/-0.000 χ^2/NDF : 16386125830.9/13

-0.085+/-0.000 χ^2/NDF : 20627011490.0/15

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 374298.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

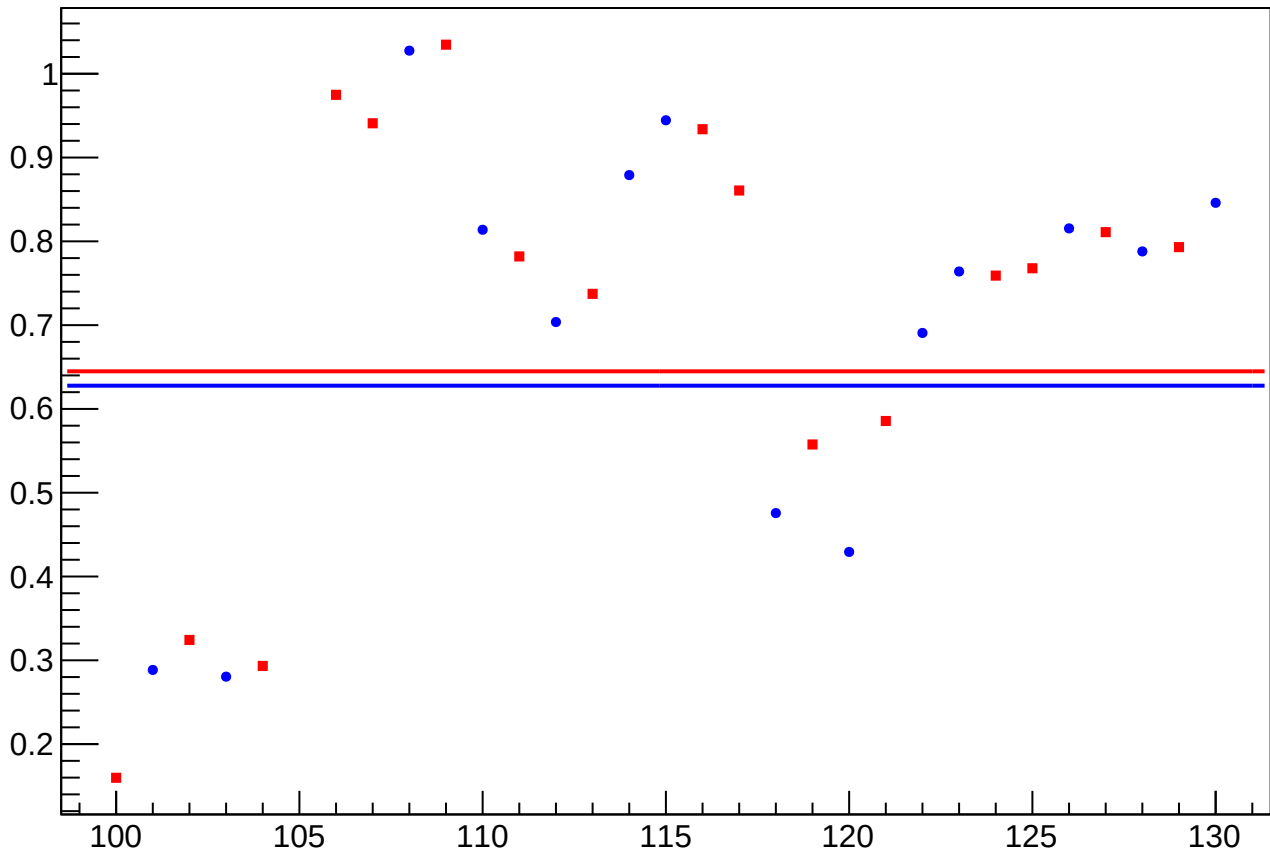
Right Out: 0.013+/-0.000 χ^2/NDF : 275831.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.014+/-0.000 χ^2/NDF : 374298.7/13

0.013+/-0.000 χ^2/NDF : 275831.2/15

yield_bpm0l02Y_mean vs Slug



Right In: 0.628 $\pm$ 0.000 χ^2 /NDF: 5089713580.3/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

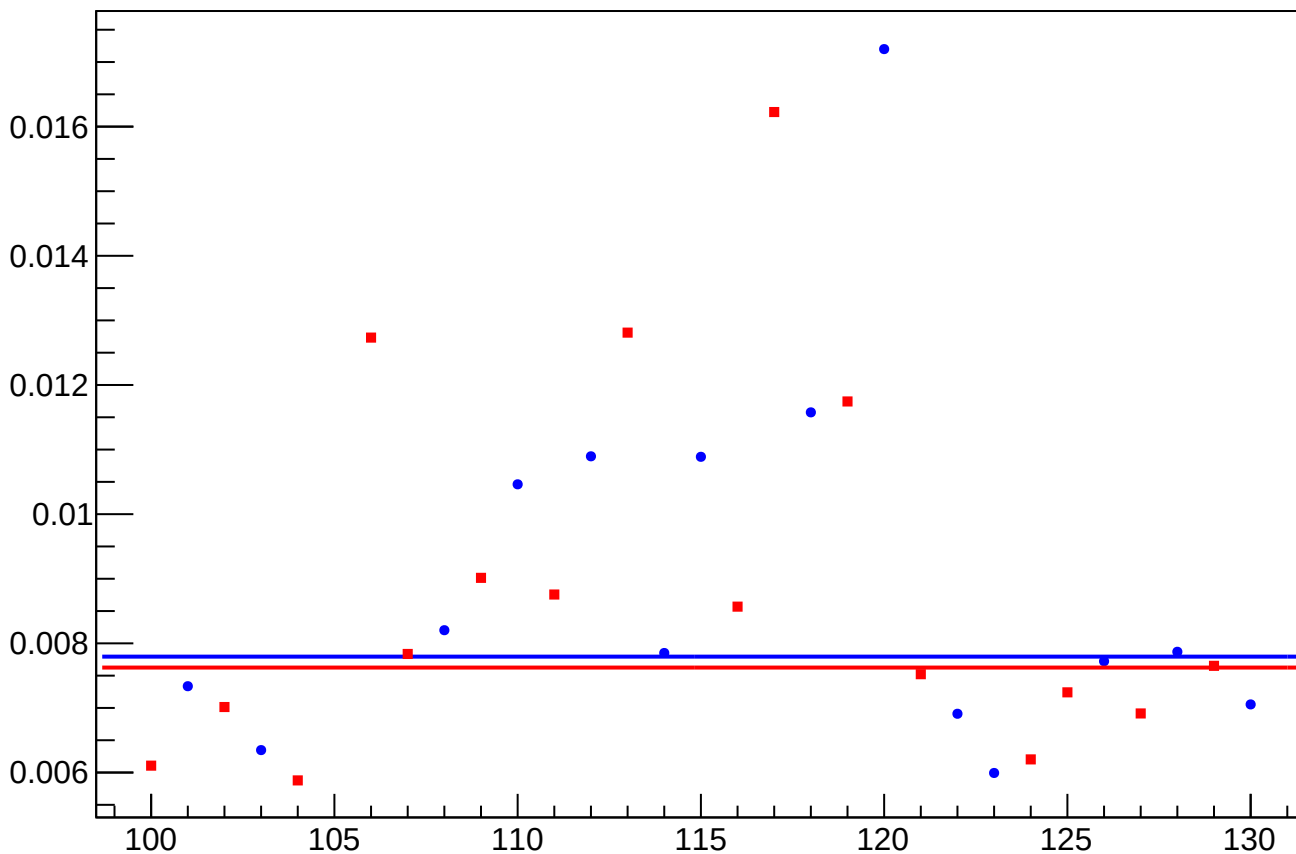
0.628 $\pm$ 0.000 χ^2 /NDF: 5089713580.3/13

Right Out: 0.645 $\pm$ 0.000 χ^2 /NDF: 5612666499.9/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.645 $\pm$ 0.000 χ^2 /NDF: 5612666499.9/15

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 458608.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

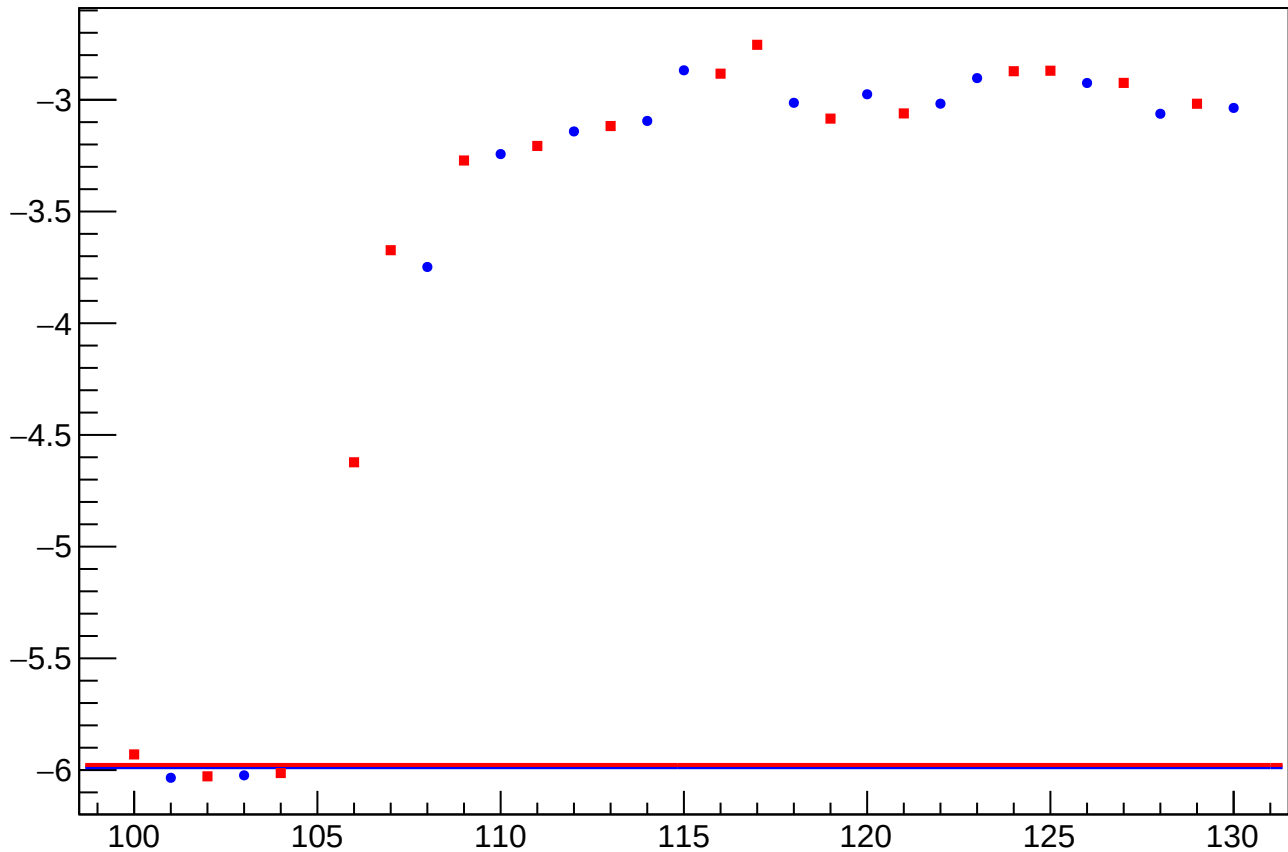
Right Out: 0.008+/-0.000 χ^2/NDF : 453410.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.008+/-0.000 χ^2/NDF : 458608.7/13

0.008+/-0.000 χ^2/NDF : 453410.0/15

yield_bpm0l03X_mean vs Slug



Right In: -5.987+/-0.000 χ^2/NDF : 5250528841.5/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

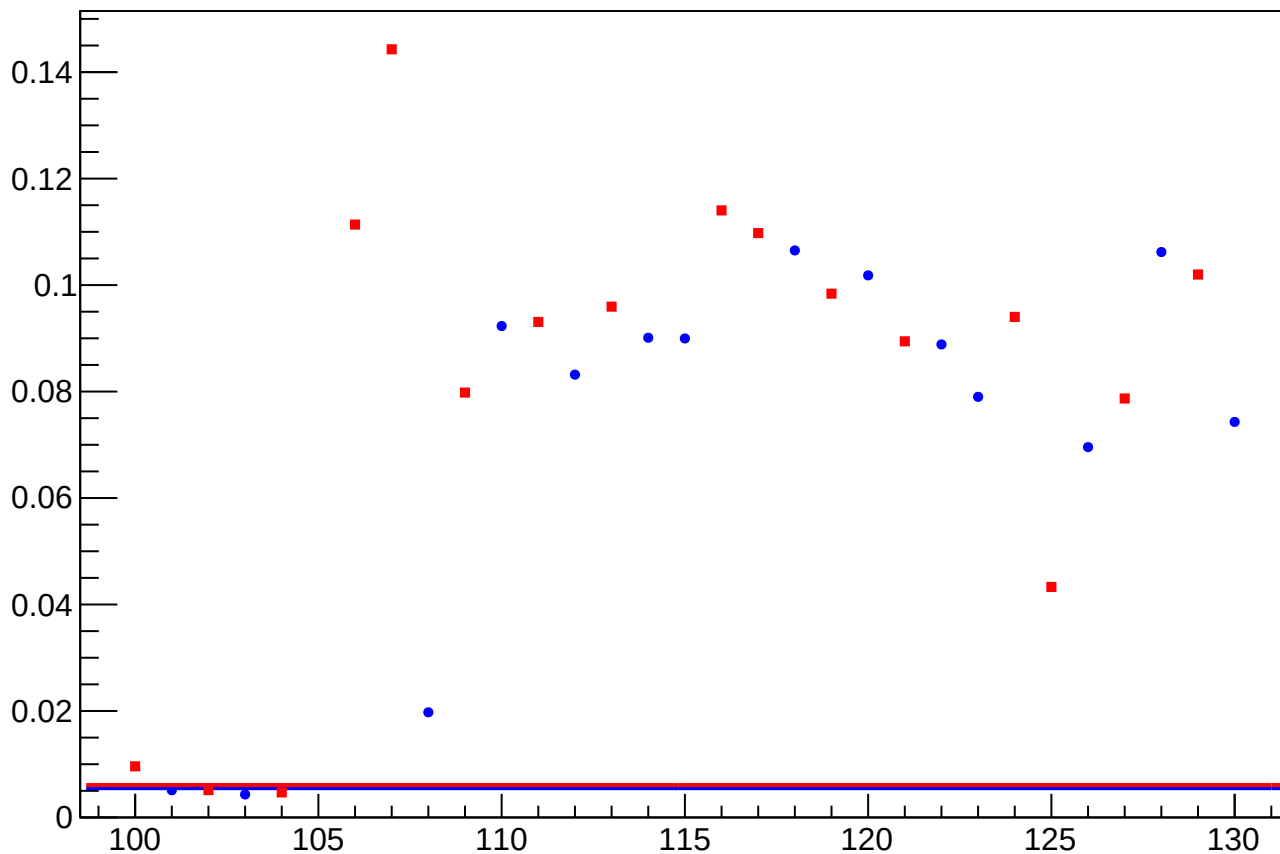
-5.987+/-0.000 χ^2/NDF : 5250528841.5/13

Right Out: -5.977+/-0.000 χ^2/NDF : 4606003965.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-5.977+/-0.000 χ^2/NDF : 4606003965.2/15

yield_bpm0l03X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 6110219.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

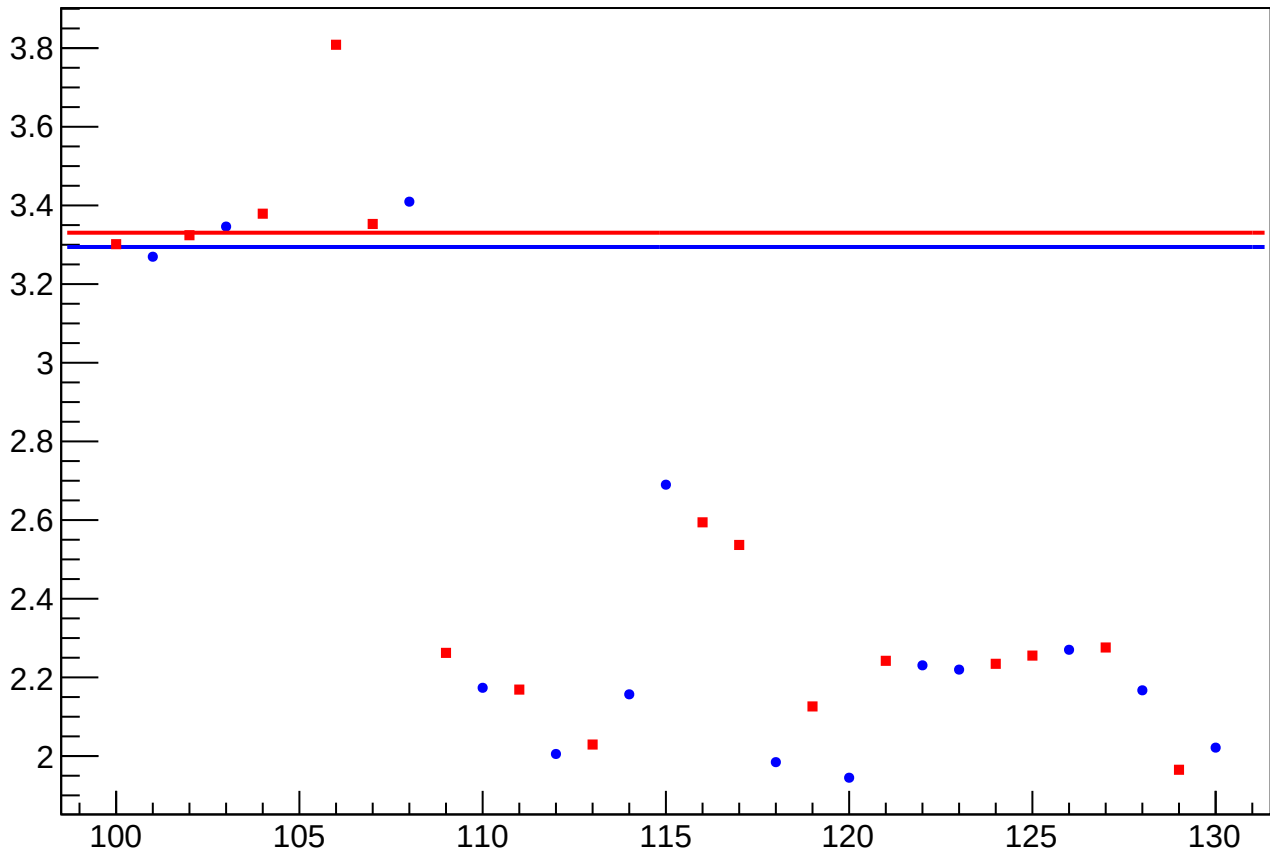
Right Out: 0.006+/-0.000 χ^2/NDF : 7187537.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.005+/-0.000 χ^2/NDF : 6110219.7/13

0.006+/-0.000 χ^2/NDF : 7187537.0/15

yield_bpm0l03Y_mean vs Slug



Right In: 3.294+/-0.000 χ^2/NDF : 618510167.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

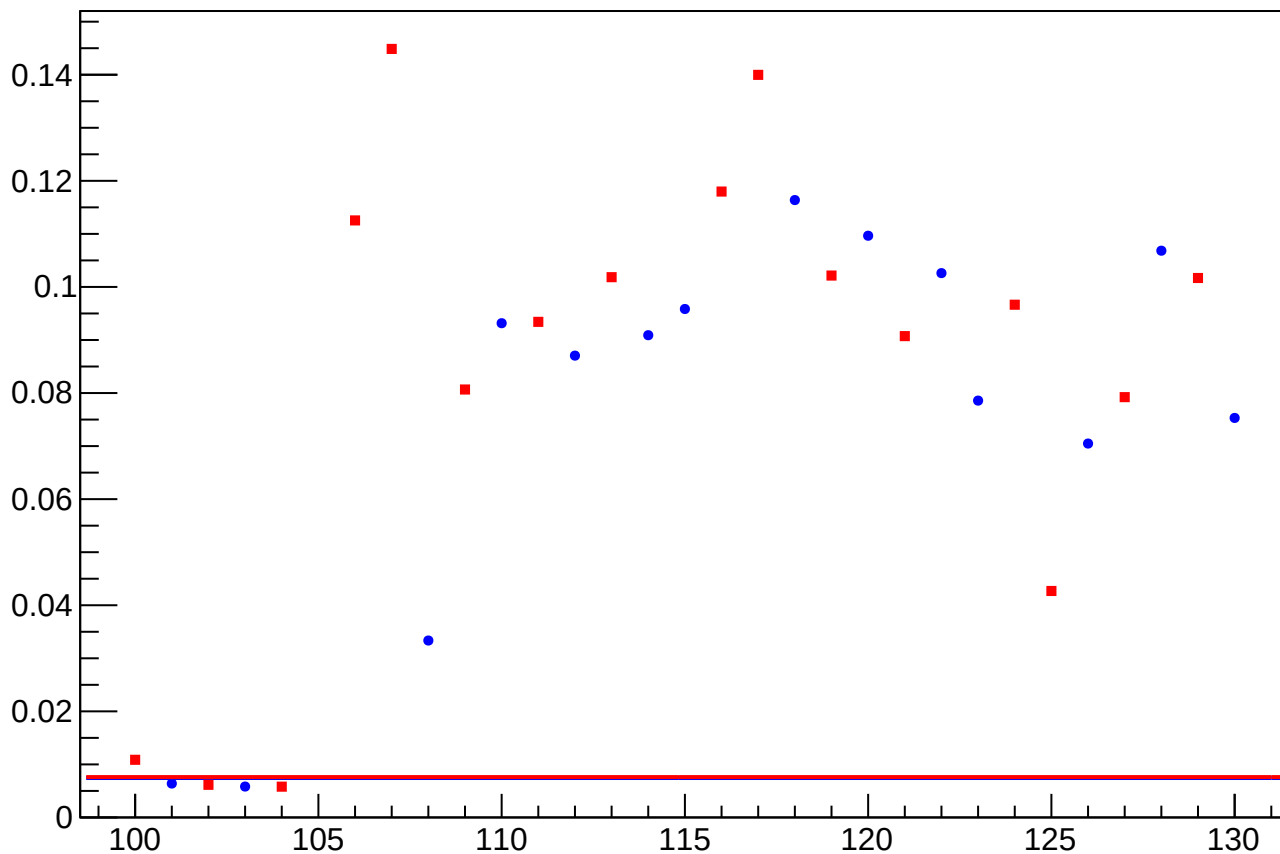
3.294+/-0.000 χ^2/NDF : 618510167.8/13

Right Out: 3.331+/-0.000 χ^2/NDF : 664769368.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

3.331+/-0.000 χ^2/NDF : 664769368.4/15

yield_bpm0l03Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 6056000.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

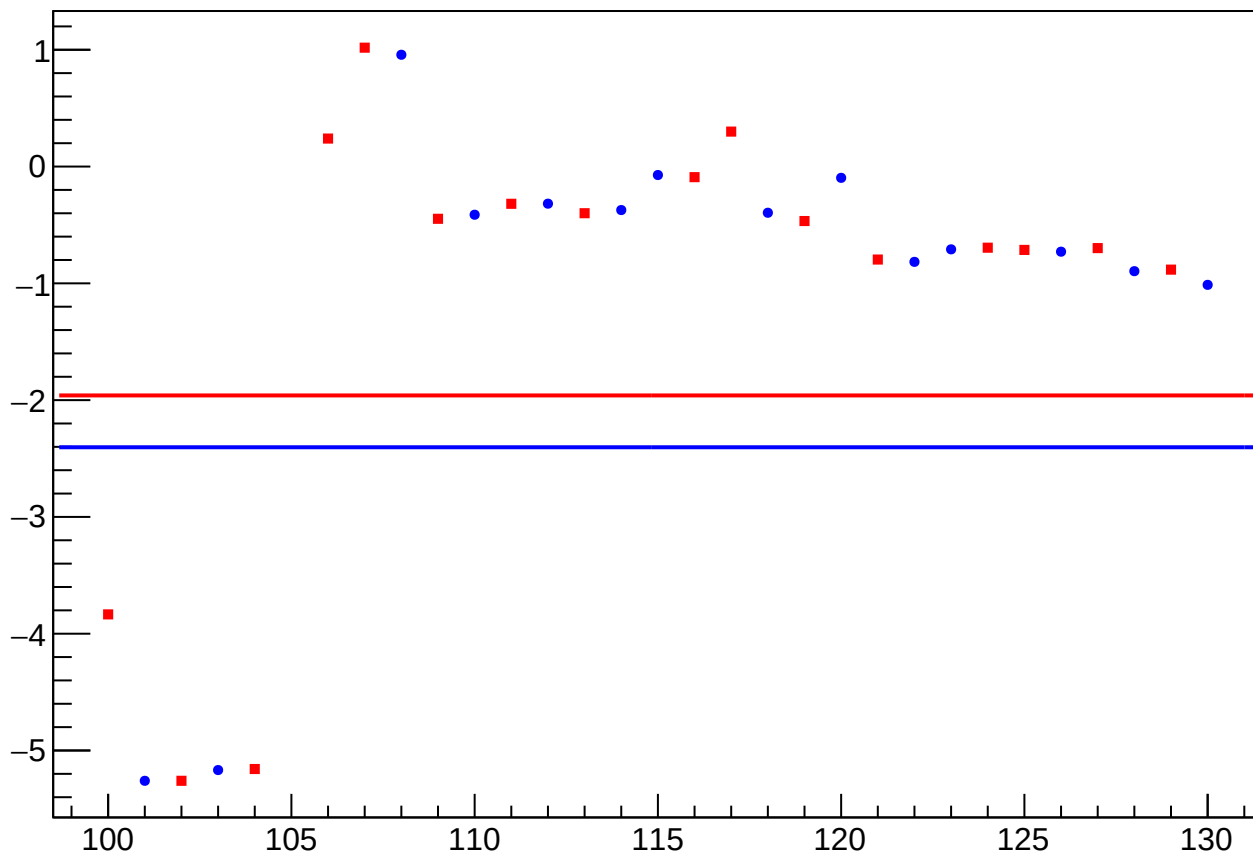
Right Out: 0.008+/-0.000 χ^2/NDF : 6973491.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.007+/-0.000 χ^2/NDF : 6056000.7/13

0.008+/-0.000 χ^2/NDF : 6973491.2/15

yield_bpm0l04X_mean vs Slug



Right In: -2.404+/-0.000 χ^2/NDF : 109492664173.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

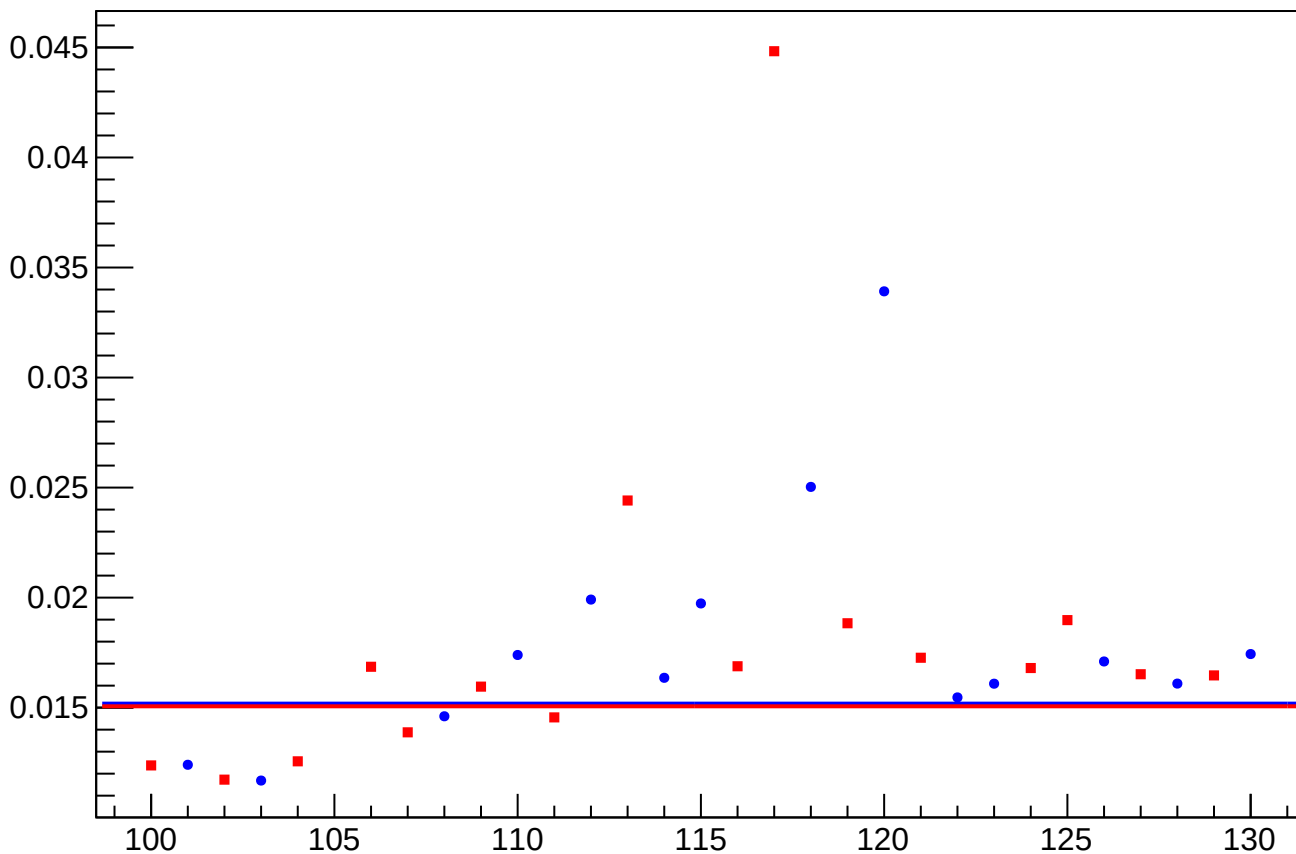
Right Out: -1.960+/-0.000 χ^2/NDF : 119361955880.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-2.404+/-0.000 χ^2/NDF : 109492664173.3/13

-1.960+/-0.000 χ^2/NDF : 119361955880.6/15

yield_bpm0l04X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 531000.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

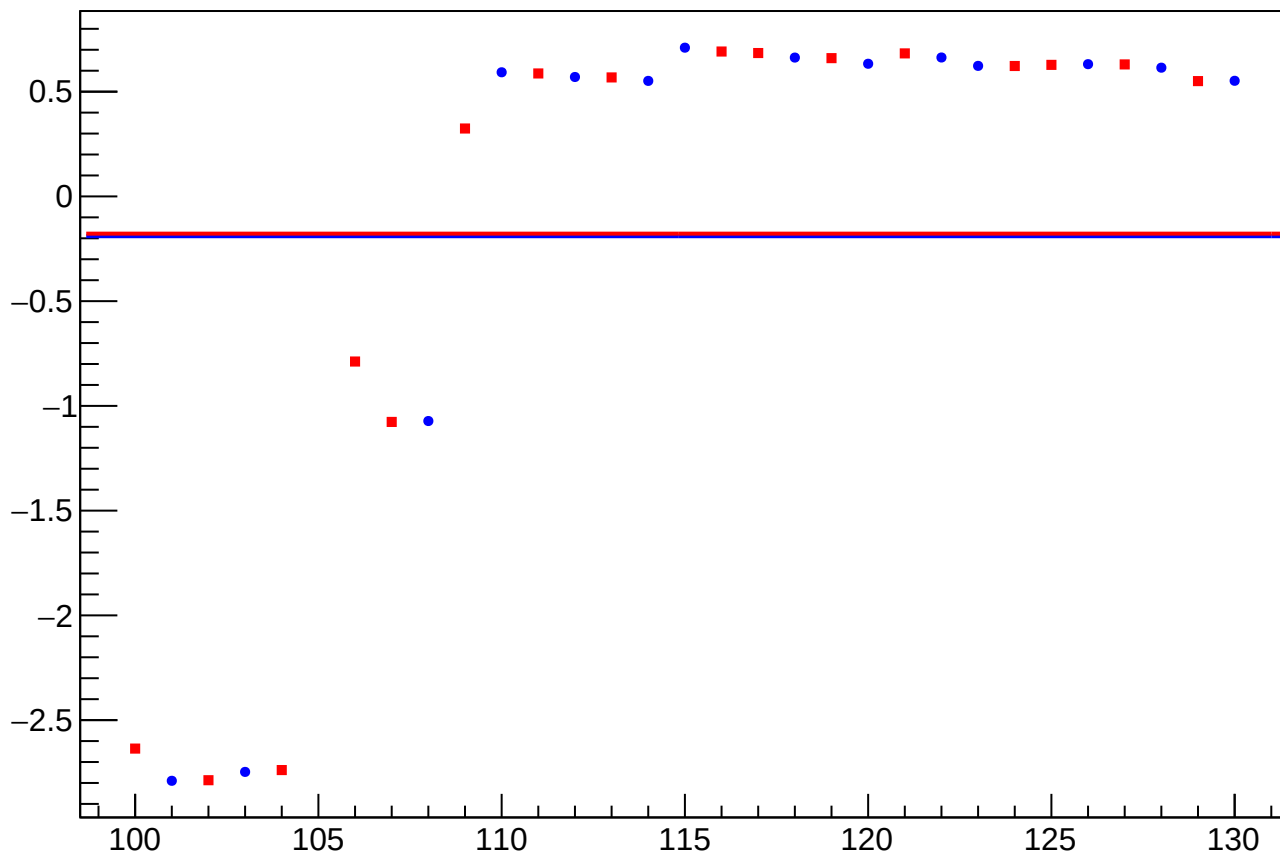
Right Out: 0.015+/-0.000 χ^2/NDF : 357327.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.015+/-0.000 χ^2/NDF : 531000.4/13

0.015+/-0.000 χ^2/NDF : 357327.6/15

yield_bpm0l04Y_mean vs Slug



Right In: -0.190+/-0.000 χ^2 /NDF: 710115138510.9/13

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

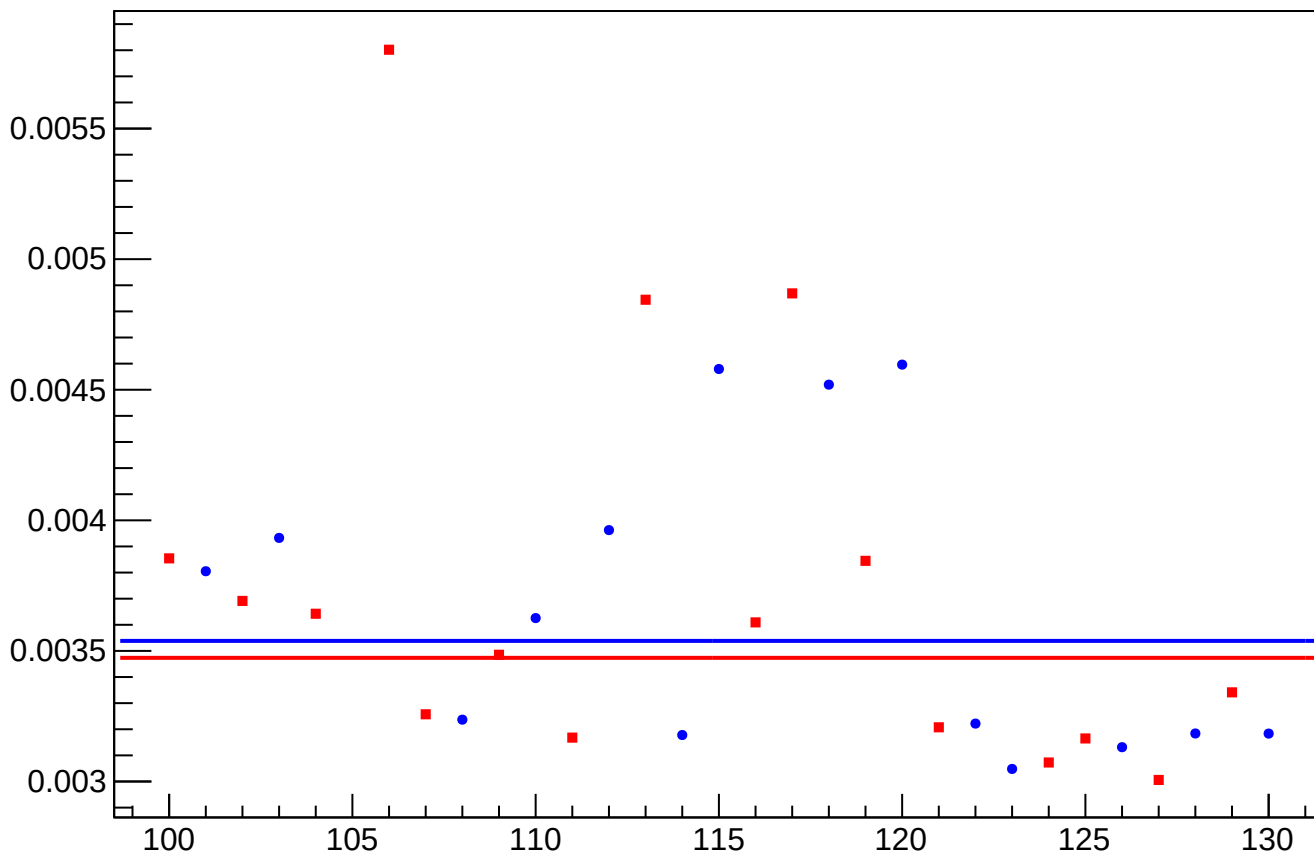
Right Out: -0.178+/-0.000 χ^2 /NDF: 754407693087.4/15

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

-0.190+/-0.000 χ^2 /NDF: 710115138510.9/13

-0.178+/-0.000 χ^2 /NDF: 754407693087.4/15

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 168281.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

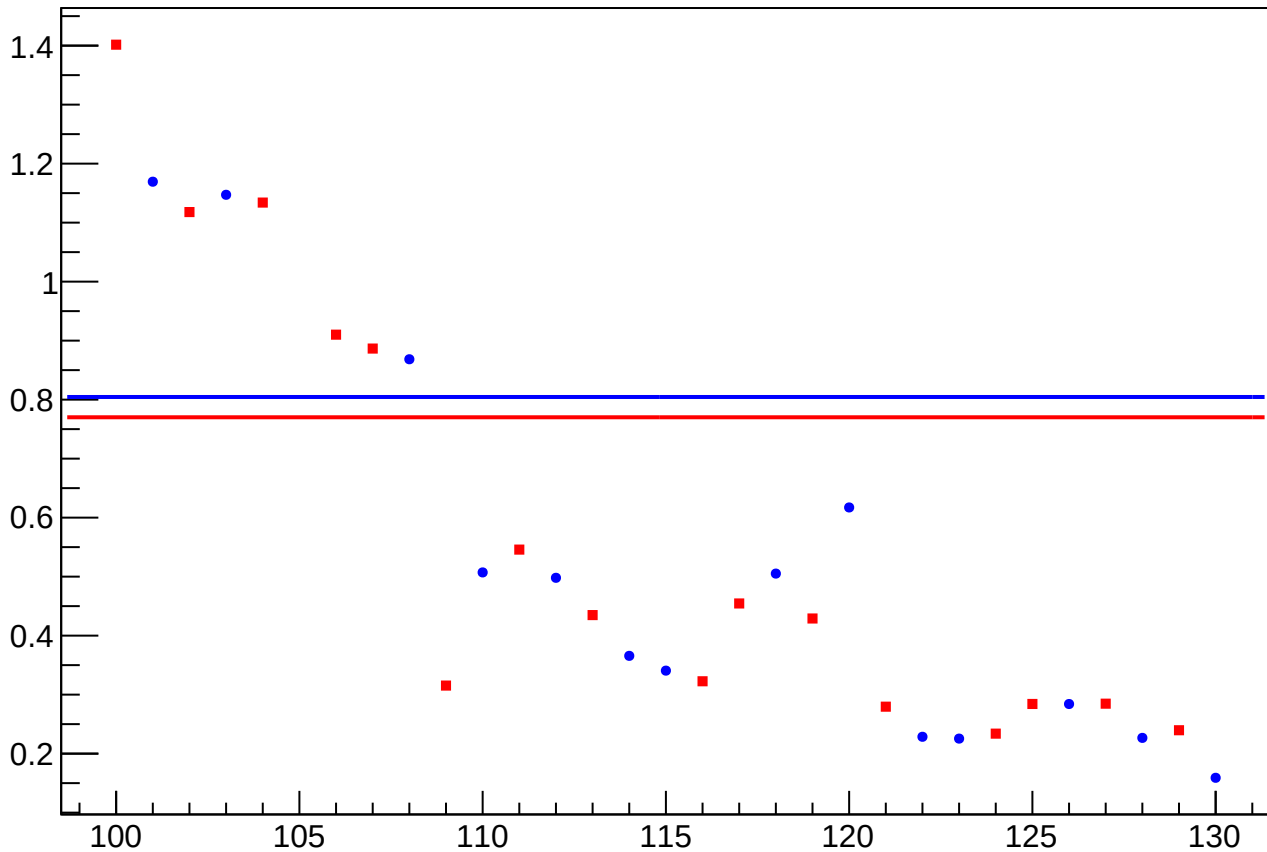
Right Out: 0.003+/-0.000 χ^2/NDF : 220112.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.004+/-0.000 χ^2/NDF : 168281.8/13

0.003+/-0.000 χ^2/NDF : 220112.6/15

yield_bpm0l05X_mean vs Slug



Right In: 0.804+/-0.000 χ^2/NDF : 20500614018.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

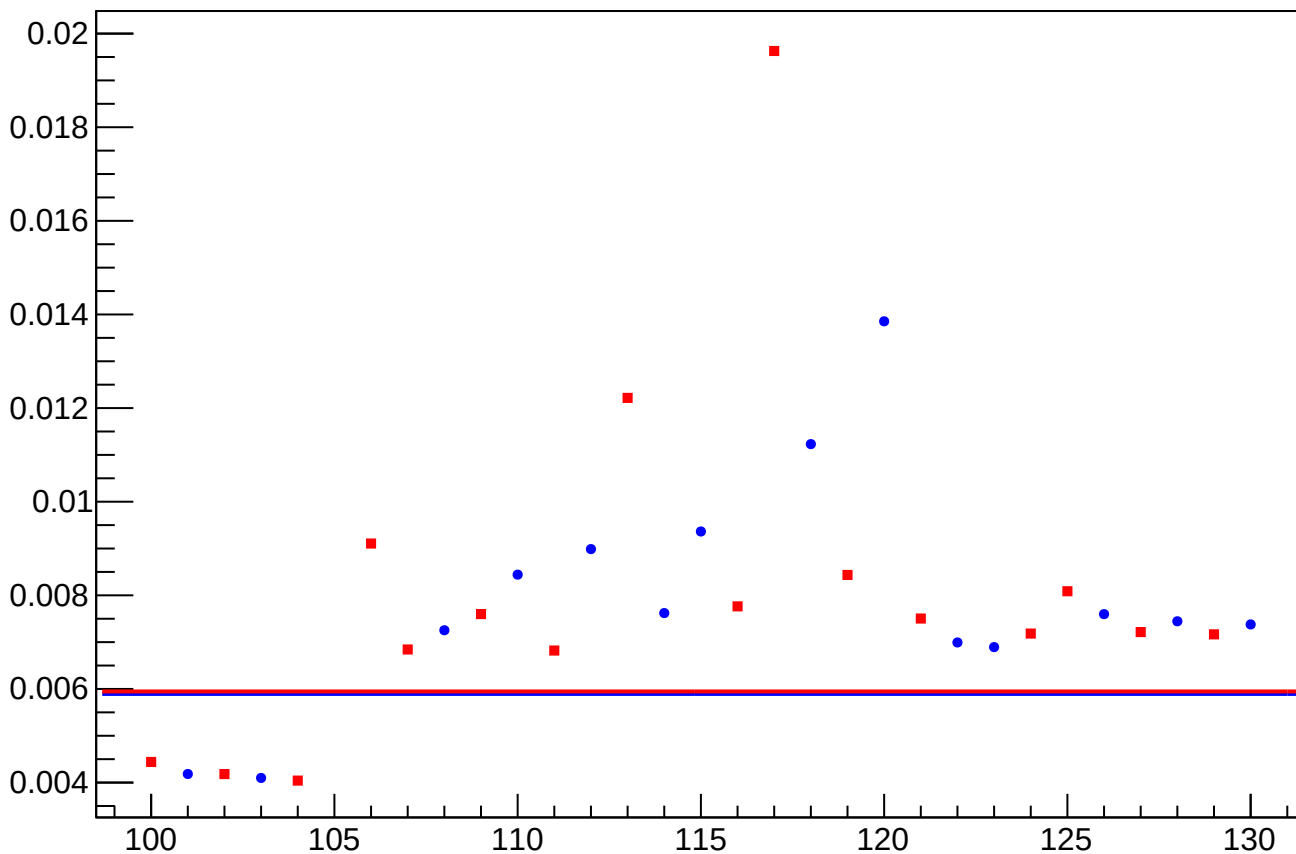
0.804+/-0.000 χ^2/NDF : 20500614018.3/13

Right Out: 0.770+/-0.000 χ^2/NDF : 19861071996.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.770+/-0.000 χ^2/NDF : 19861071996.6/15

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1093208.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

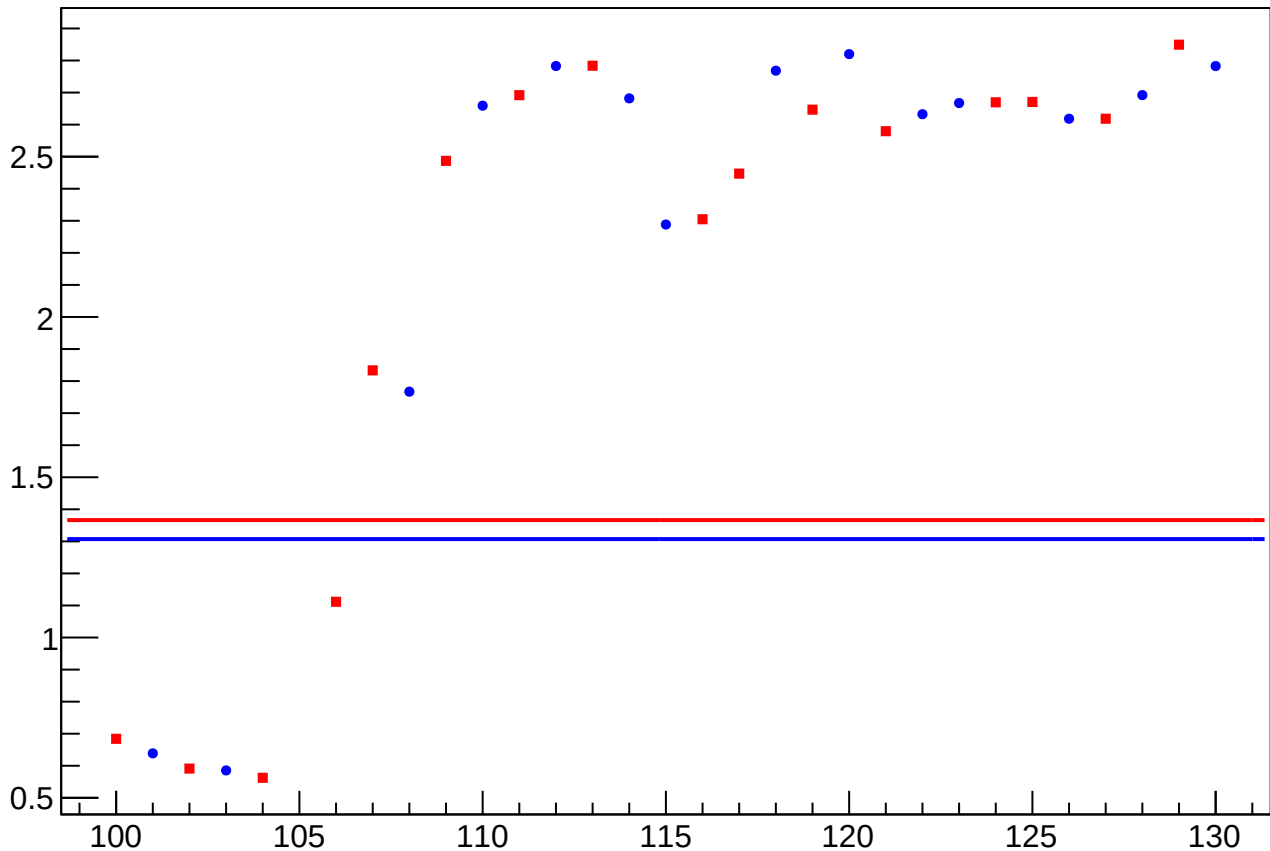
Right Out: 0.006+/-0.000 χ^2/NDF : 957306.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 1093208.2/13

0.006+/-0.000 χ^2/NDF : 957306.7/15

yield_bpm0l05Y_mean vs Slug



Right In: 1.307+/-0.000 χ^2/NDF : 113371550345.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

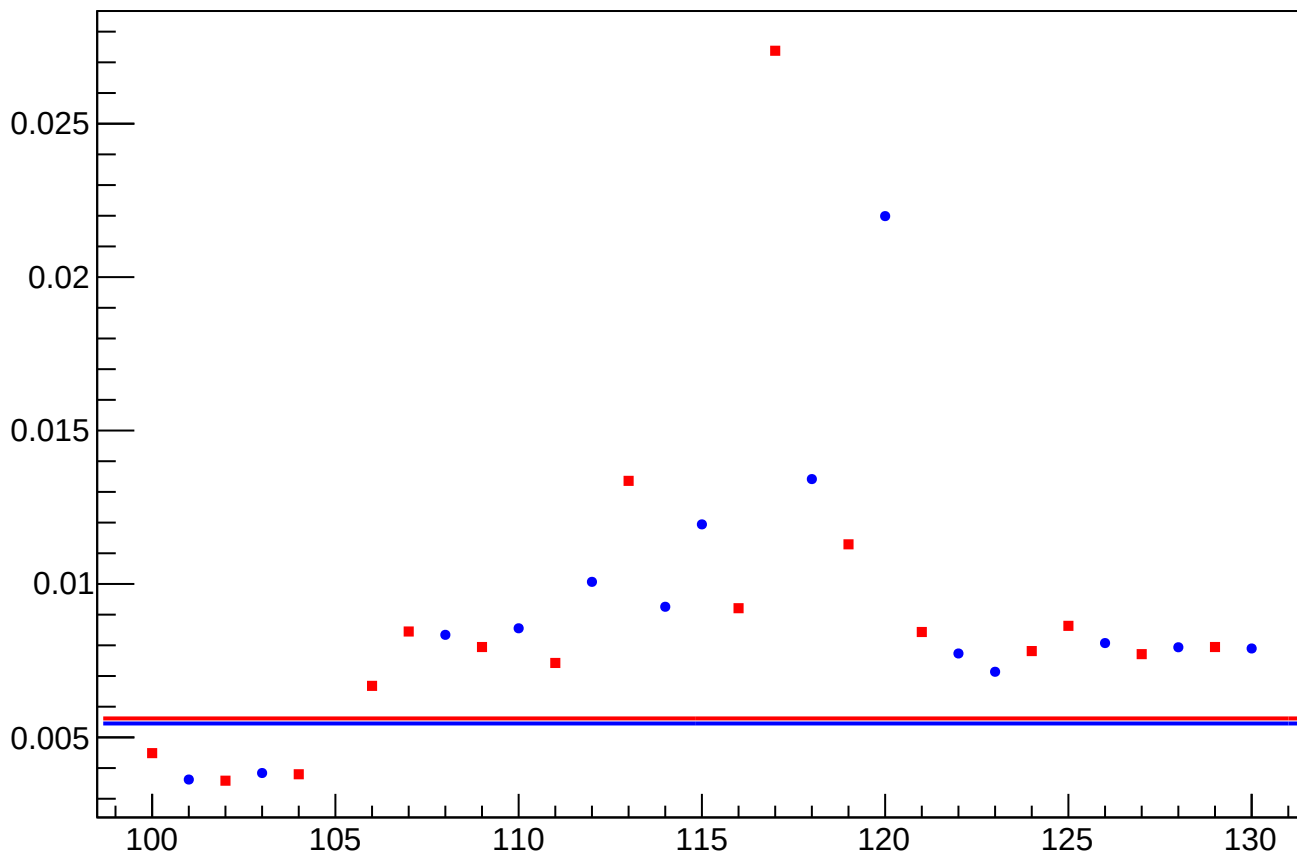
1.307+/-0.000 χ^2/NDF : 113371550345.7/13

Right Out: 1.366+/-0.000 χ^2/NDF : 122856145895.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1.366+/-0.000 χ^2/NDF : 122856145895.7/15

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1692547.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

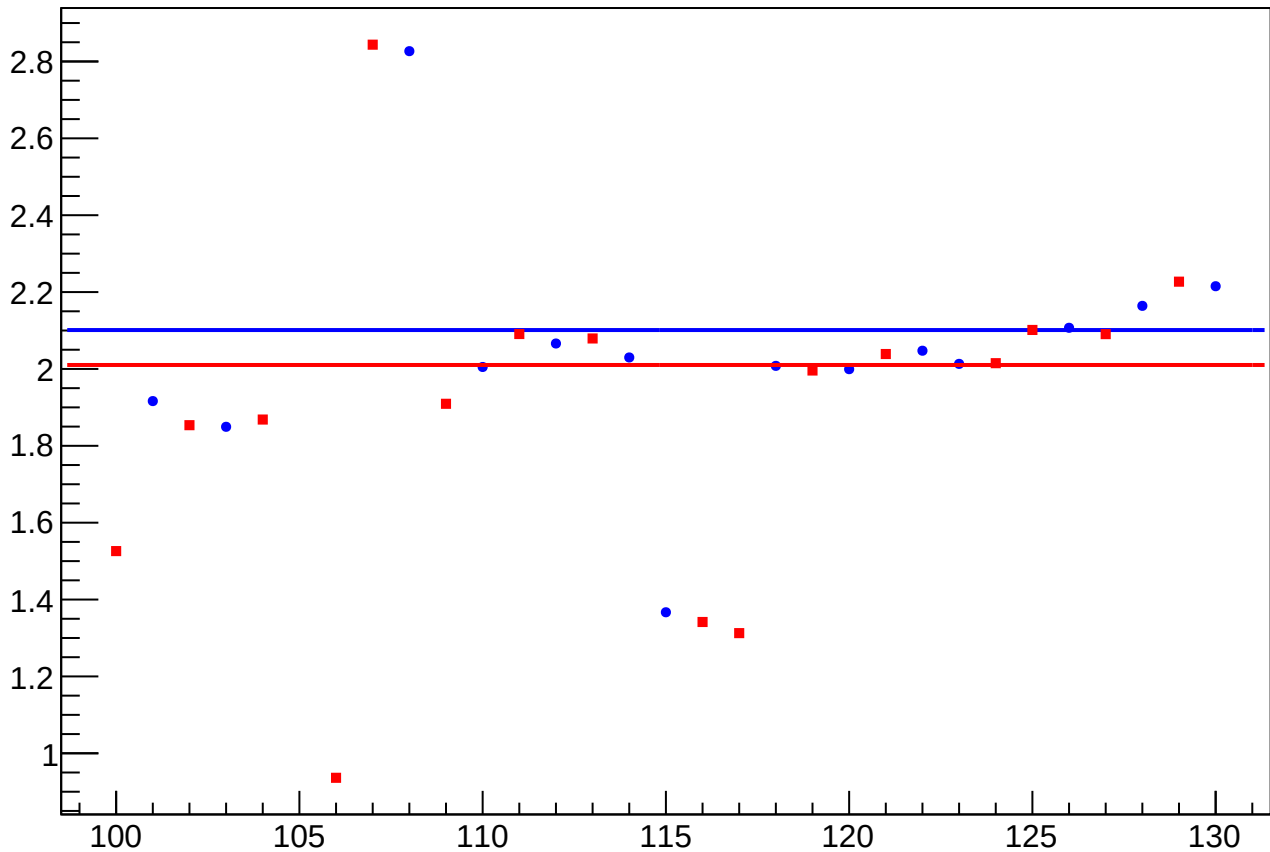
Right Out: 0.006+/-0.000 χ^2/NDF : 1530462.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.005+/-0.000 χ^2/NDF : 1692547.8/13

0.006+/-0.000 χ^2/NDF : 1530462.9/15

yield_bpm0l06X_mean vs Slug



Right In: 2.101+/-0.000 χ^2/NDF : 7687984219.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

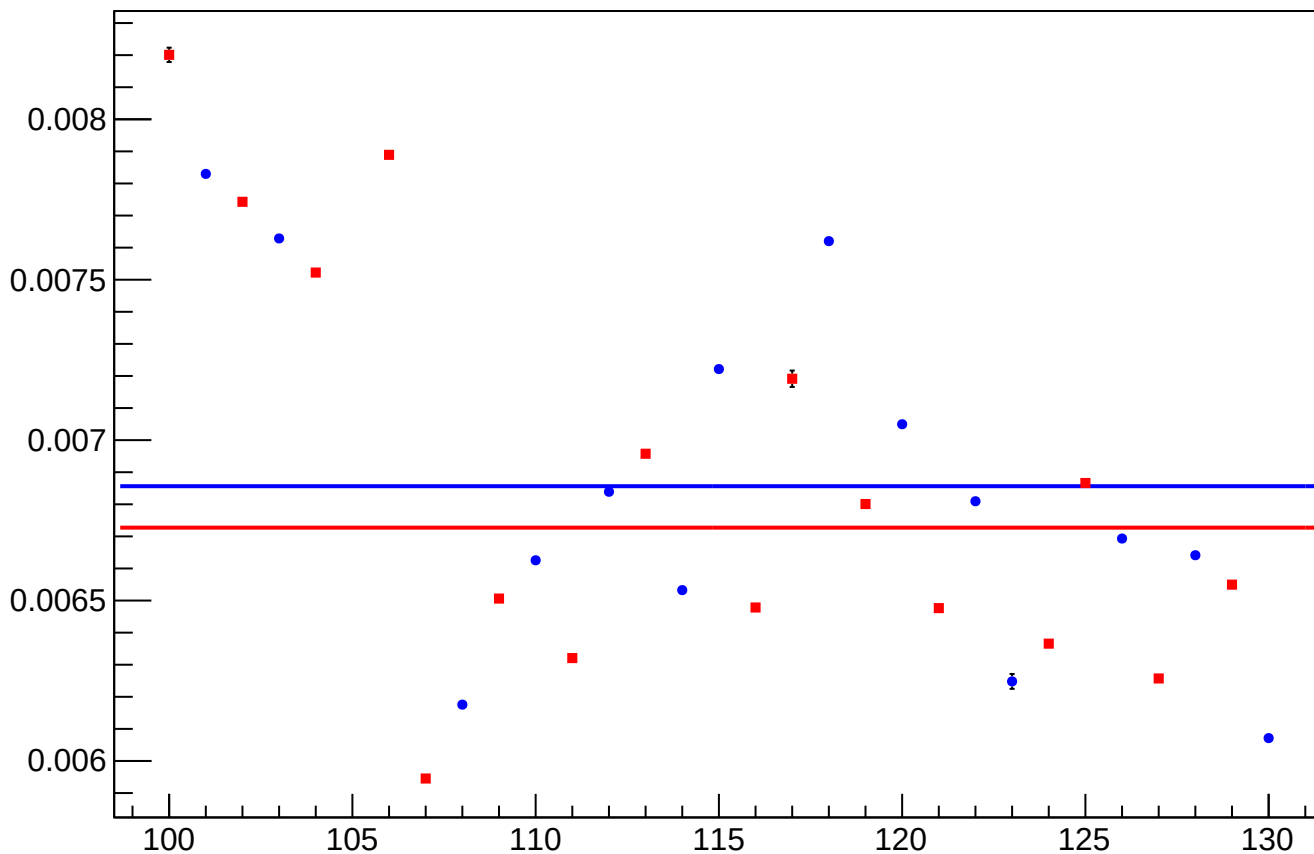
2.101+/-0.000 χ^2/NDF : 7687984219.7/13

Right Out: 2.010+/-0.000 χ^2/NDF : 16106260447.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

2.010+/-0.000 χ^2/NDF : 16106260447.1/15

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 68168.6/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

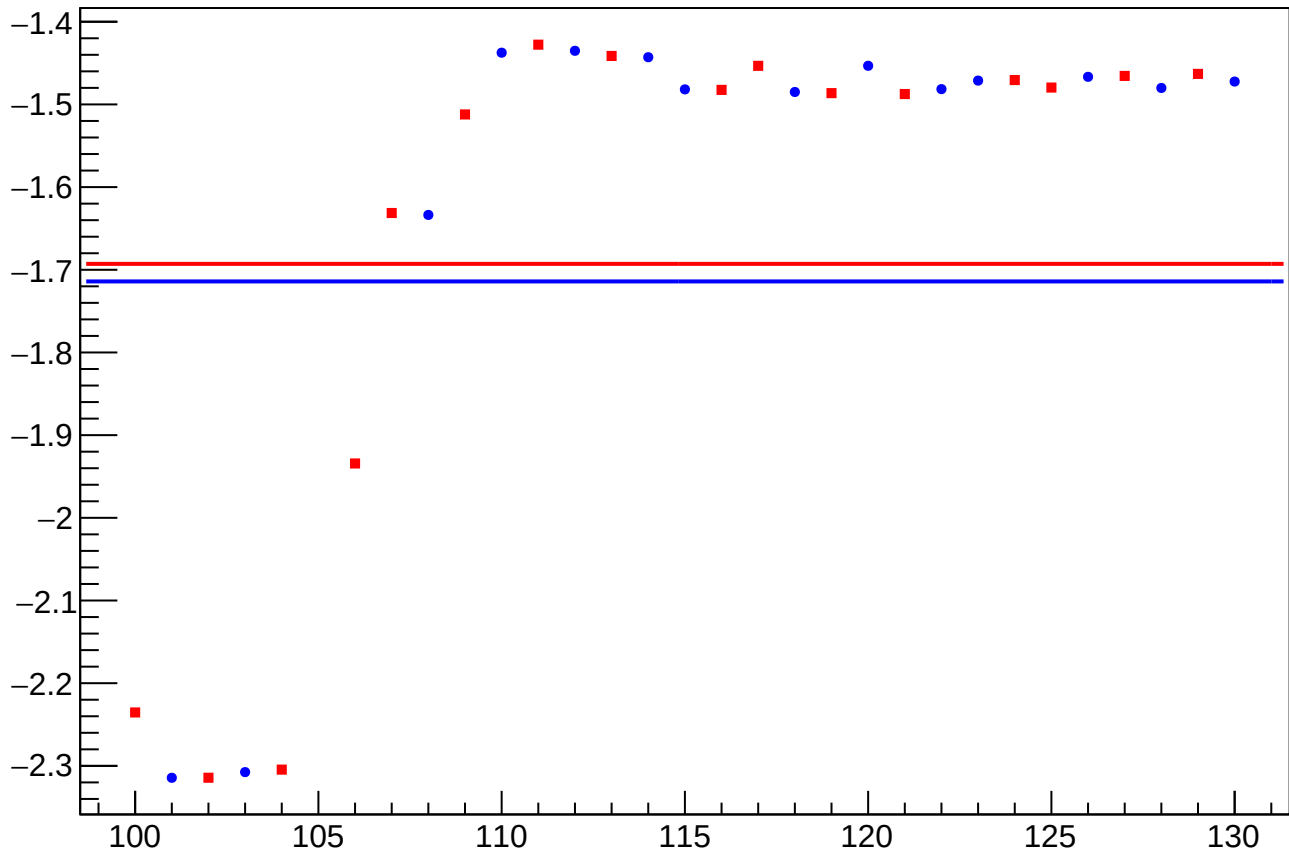
Right Out: 0.007+/-0.000 χ^2/NDF : 70868.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.007+/-0.000 χ^2/NDF : 68168.6/13

0.007+/-0.000 χ^2/NDF : 70868.6/15

yield_bpm0l06Y_mean vs Slug



Right In: -1.714+/-0.000 χ^2/NDF : 96418543363.0/13

Left Out: 0.000+/-0.000 χ^2/NDF :0.0/0

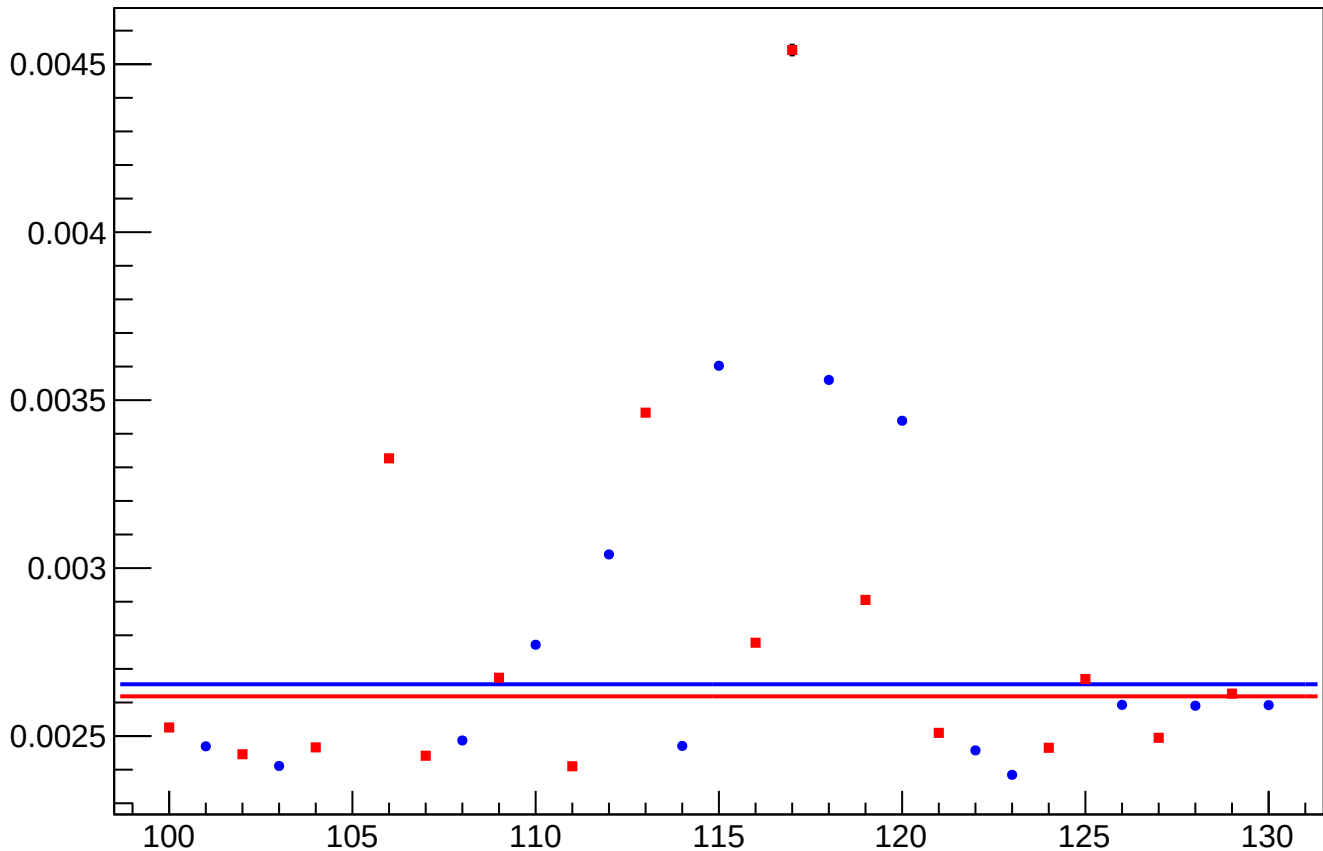
Right Out: -1.693+/-0.000 χ^2/NDF : 94801072707.9/15

Left In: 0.000+/-0.000 χ^2/NDF :0.0/0

-1.714+/-0.000 χ^2/NDF : 96418543363.0/13

-1.693+/-0.000 χ^2/NDF : 94801072707.9/15

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 148084.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

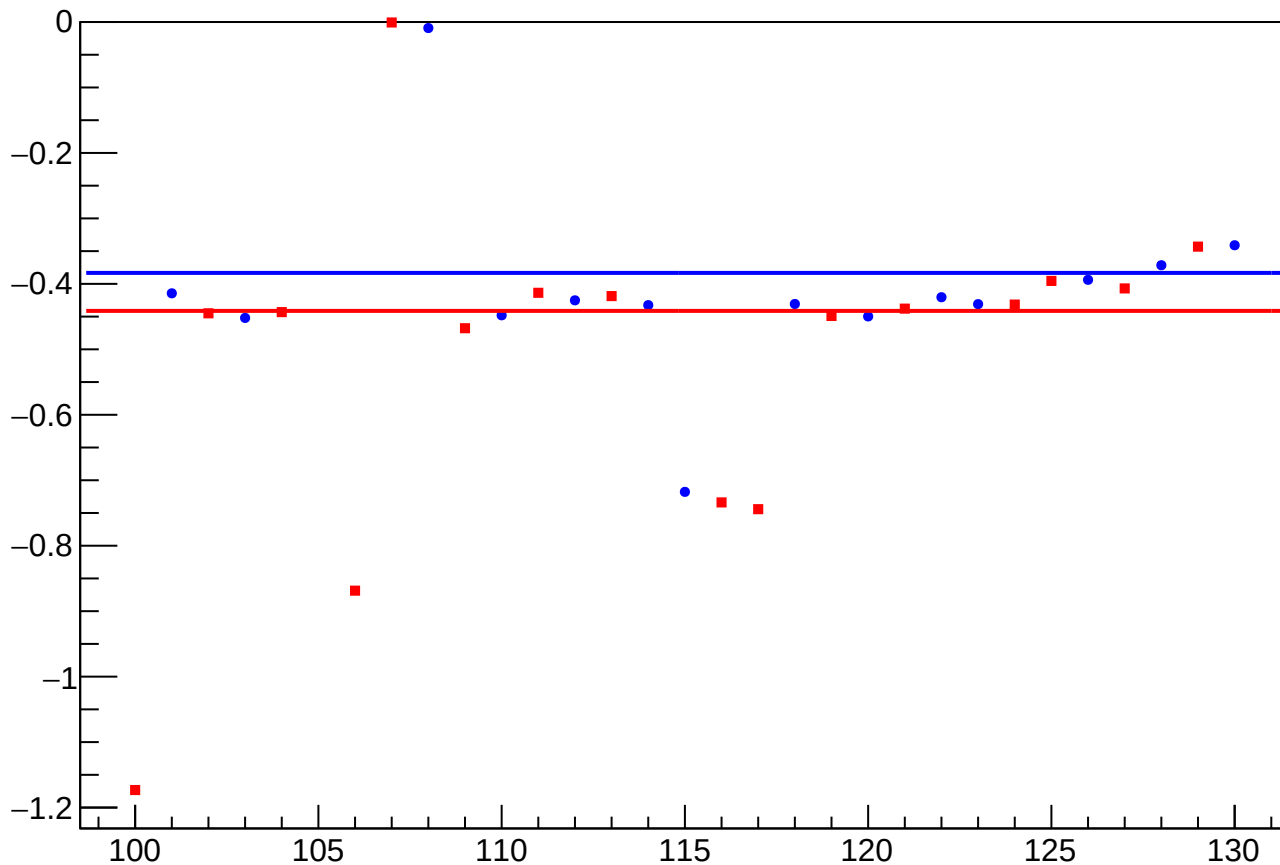
Right Out: 0.003+/-0.000 χ^2/NDF : 116949.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.003+/-0.000 χ^2/NDF : 148084.3/13

0.003+/-0.000 χ^2/NDF : 116949.6/15

yield_bpm0l07X_mean vs Slug



Right In: -0.383+/-0.000 χ^2/NDF : 668109254.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

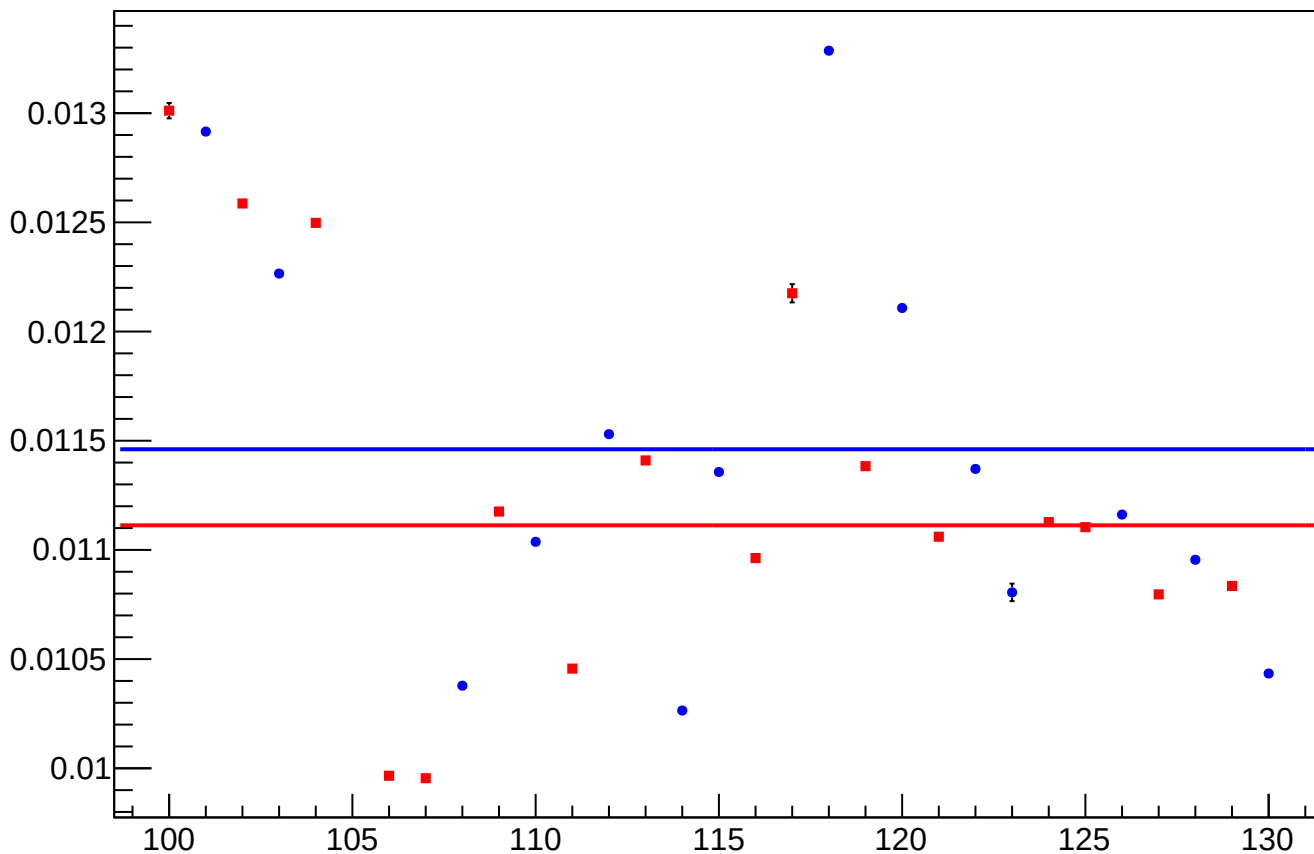
Right Out: -0.441+/-0.000 χ^2/NDF : 1685920689.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-0.383+/-0.000 χ^2/NDF : 668109254.4/13

-0.441+/-0.000 χ^2/NDF : 1685920689.9/15

yield_bpm0l07X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 63803.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

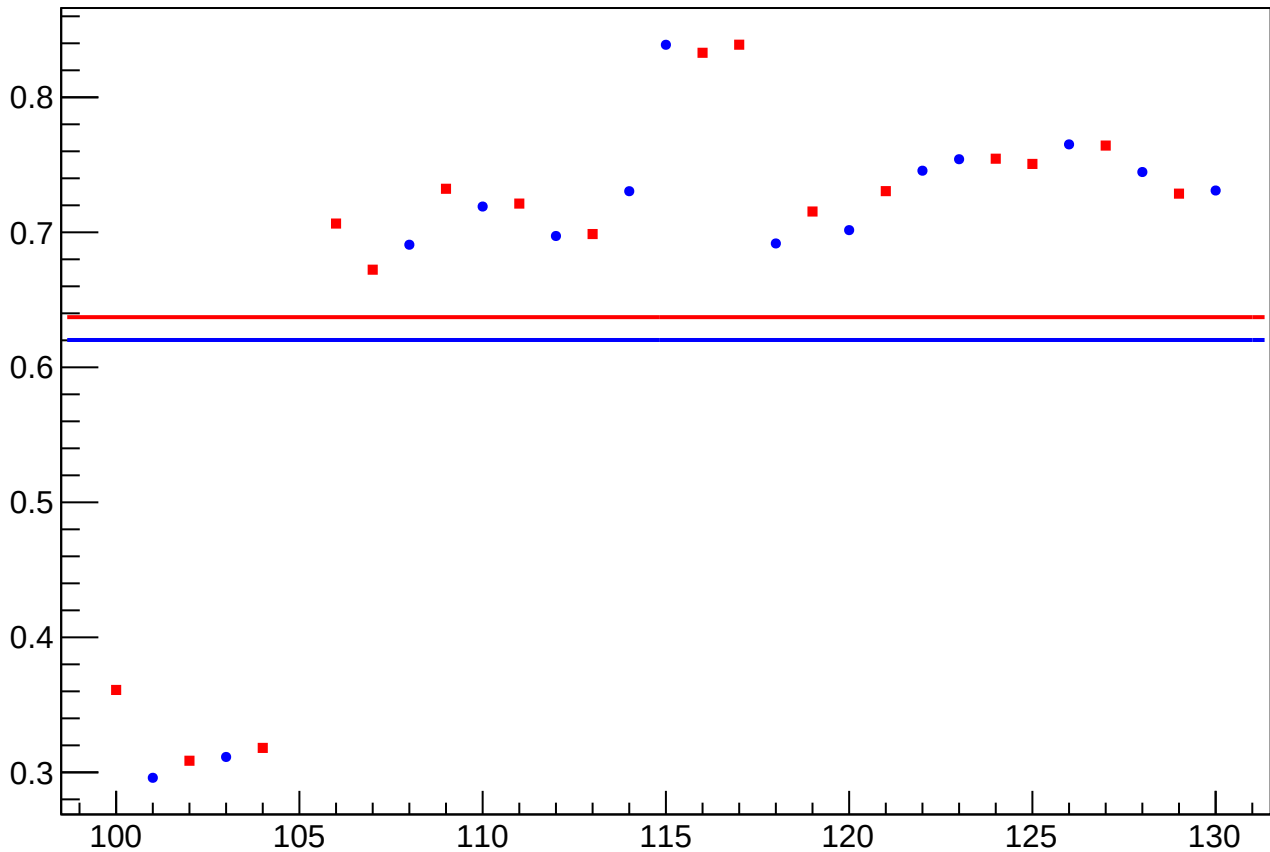
Right Out: 0.011+/-0.000 χ^2/NDF : 53005.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.011+/-0.000 χ^2/NDF : 63803.9/13

0.011+/-0.000 χ^2/NDF : 53005.2/15

yield_bpm0l07Y_mean vs Slug



Right In: 0.620+/-0.000 χ^2/NDF : 27028255287.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

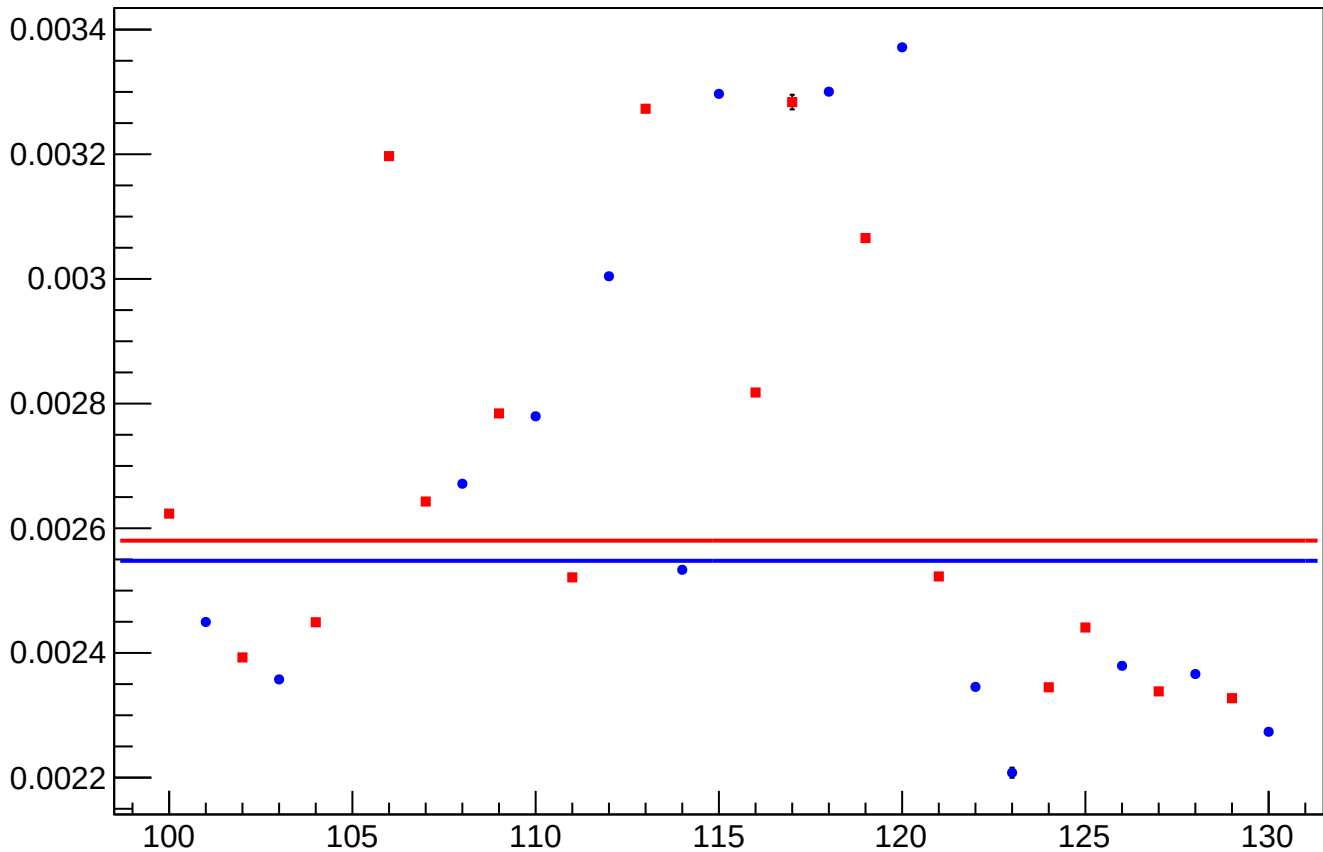
0.620+/-0.000 χ^2/NDF : 27028255287.1/13

Right Out: 0.637+/-0.000 χ^2/NDF : 25426144412.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.637+/-0.000 χ^2/NDF : 25426144412.5/15

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 163076.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

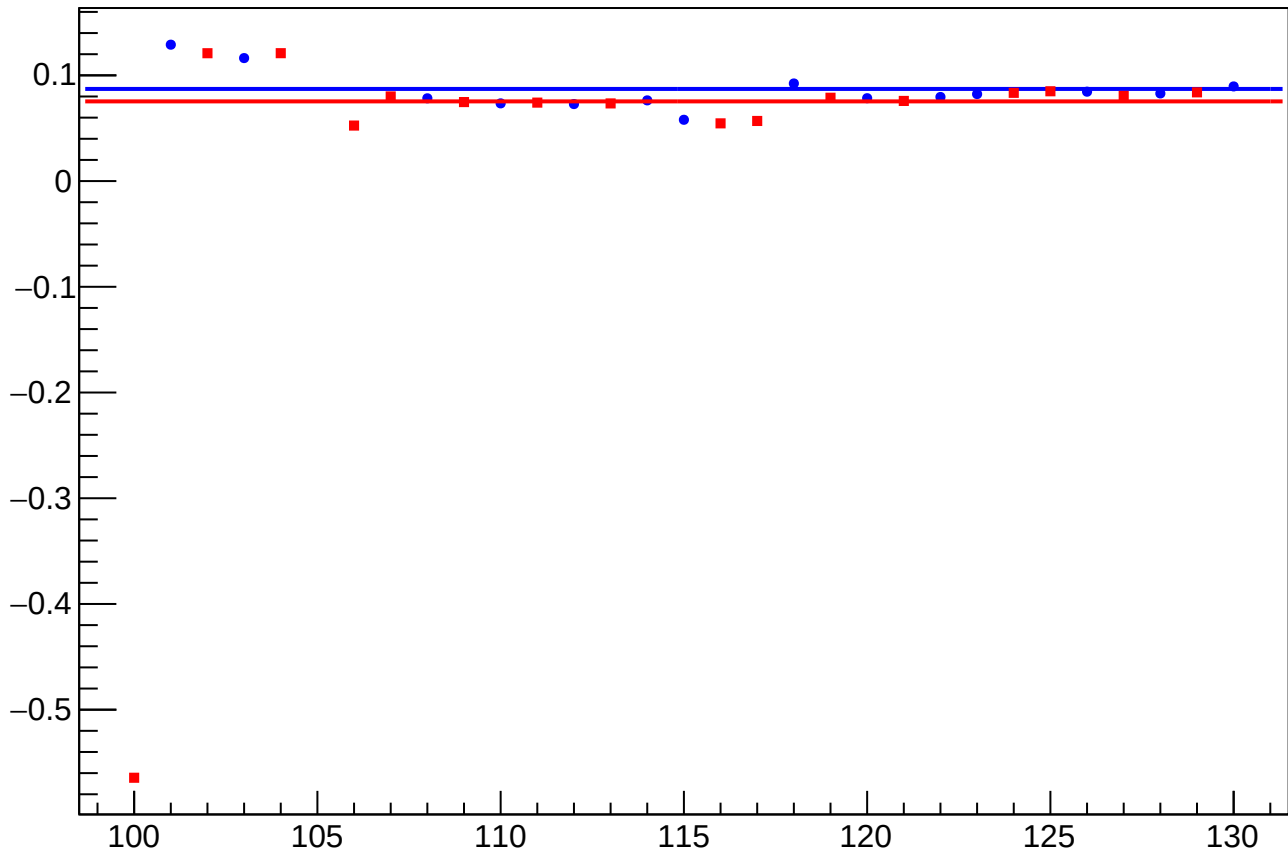
Right Out: 0.003+/-0.000 χ^2/NDF : 121036.4/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.003+/-0.000 χ^2/NDF : 163076.3/13

0.003+/-0.000 χ^2/NDF : 121036.4/15

yield_bpm0l08X_mean vs Slug



Right In: 0.087 $\pm$ 0.000 χ^2 /NDF: 15027230.2/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

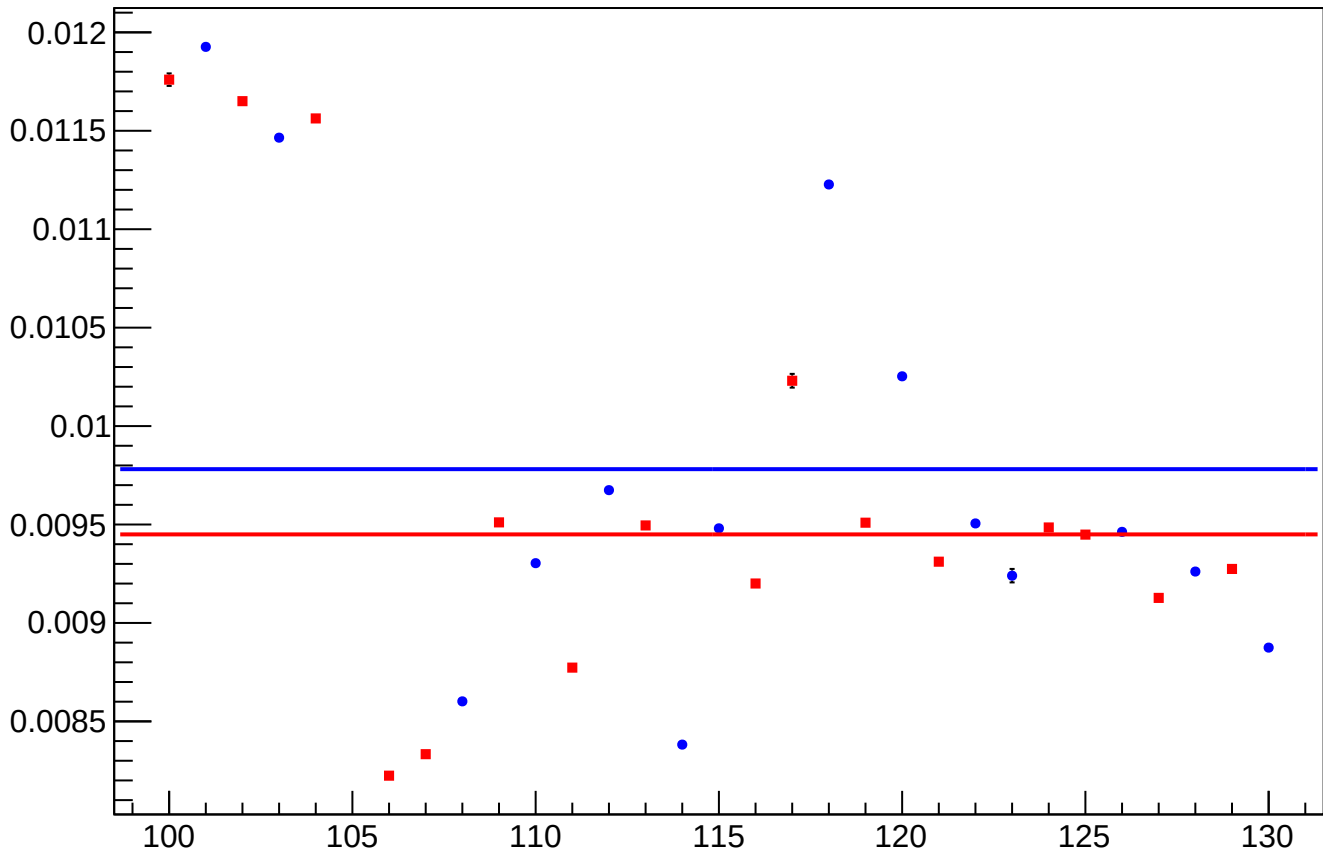
Right Out: 0.075 $\pm$ 0.000 χ^2 /NDF: 222048674.6/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.087 $\pm$ 0.000 χ^2 /NDF: 15027230.2/13

0.075 $\pm$ 0.000 χ^2 /NDF: 222048674.6/15

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 115708.6/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

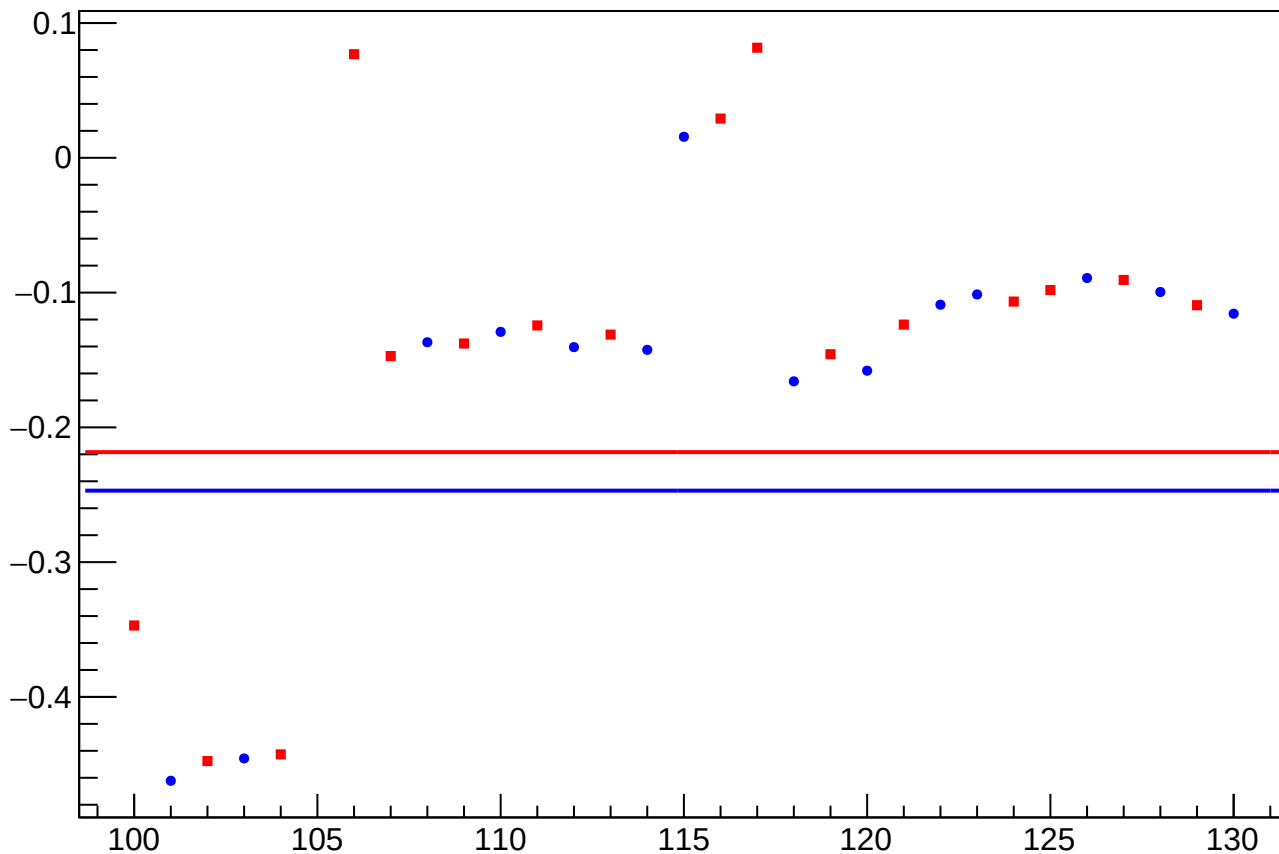
Right Out: 0.009+/-0.000 χ^2/NDF : 108289.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.010+/-0.000 χ^2/NDF : 115708.6/13

0.009+/-0.000 χ^2/NDF : 108289.7/15

yield_bpm0l08Y_mean vs Slug



Right In: -0.247+/-0.000 χ^2/NDF : 6255557654.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

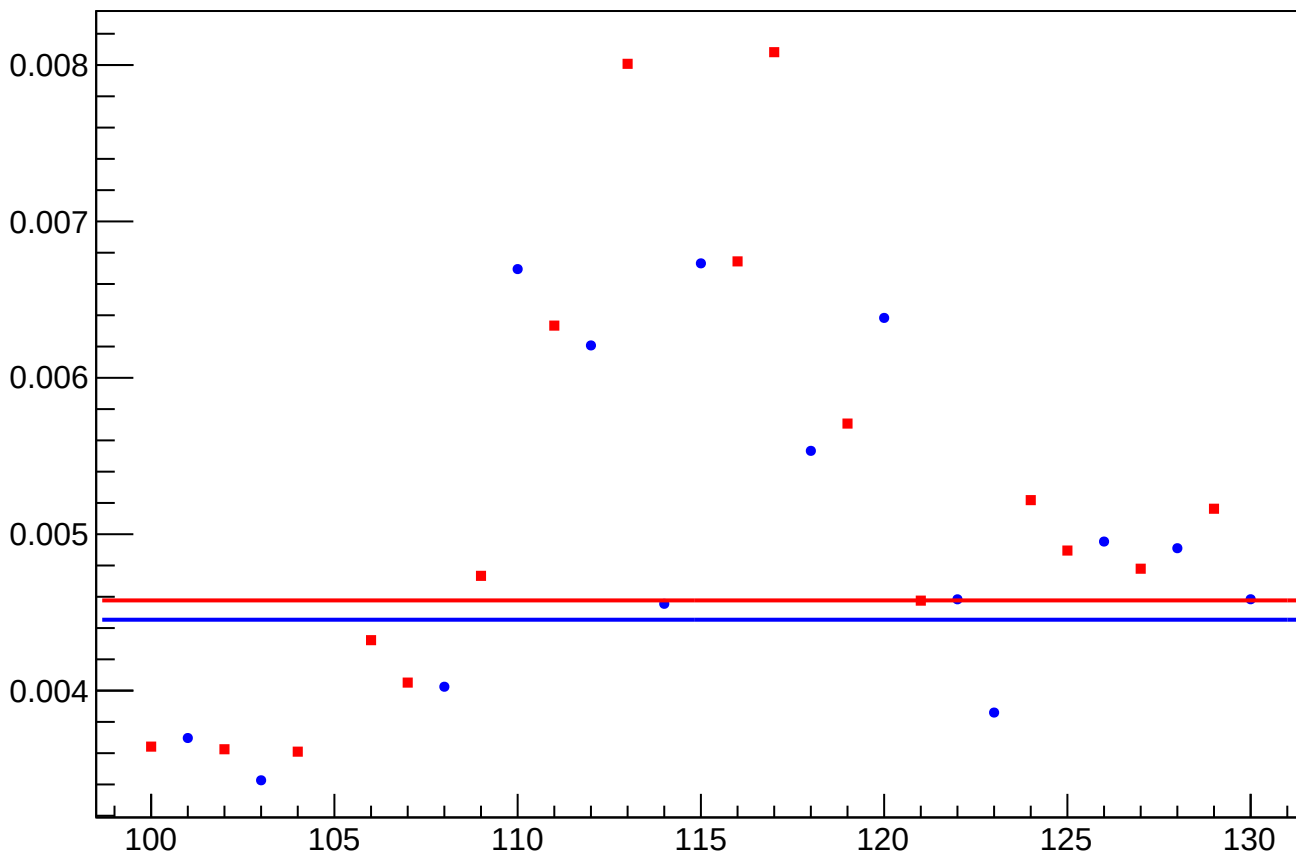
Right Out: -0.218+/-0.000 χ^2/NDF : 6634413226.7/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-0.247+/-0.000 χ^2/NDF : 6255557654.3/13

-0.218+/-0.000 χ^2/NDF : 6634413226.7/15

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 427796.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

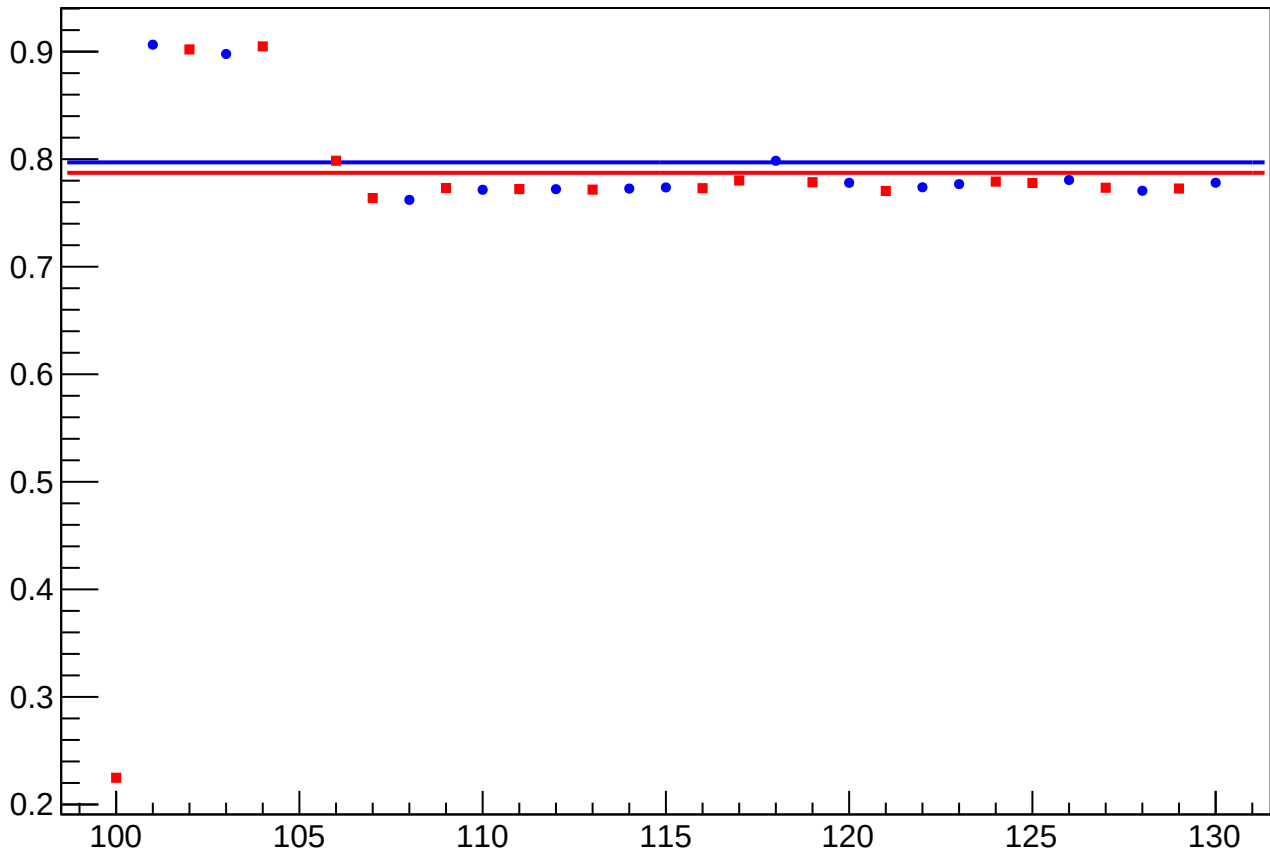
Right Out: 0.005+/-0.000 χ^2/NDF : 494874.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.004+/-0.000 χ^2/NDF : 427796.2/13

0.005+/-0.000 χ^2/NDF : 494874.0/15

yield_bpm0l09X_mean vs Slug



Right In: 0.797 $\pm$ 0.000 χ^2 /NDF: 98903686.3/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

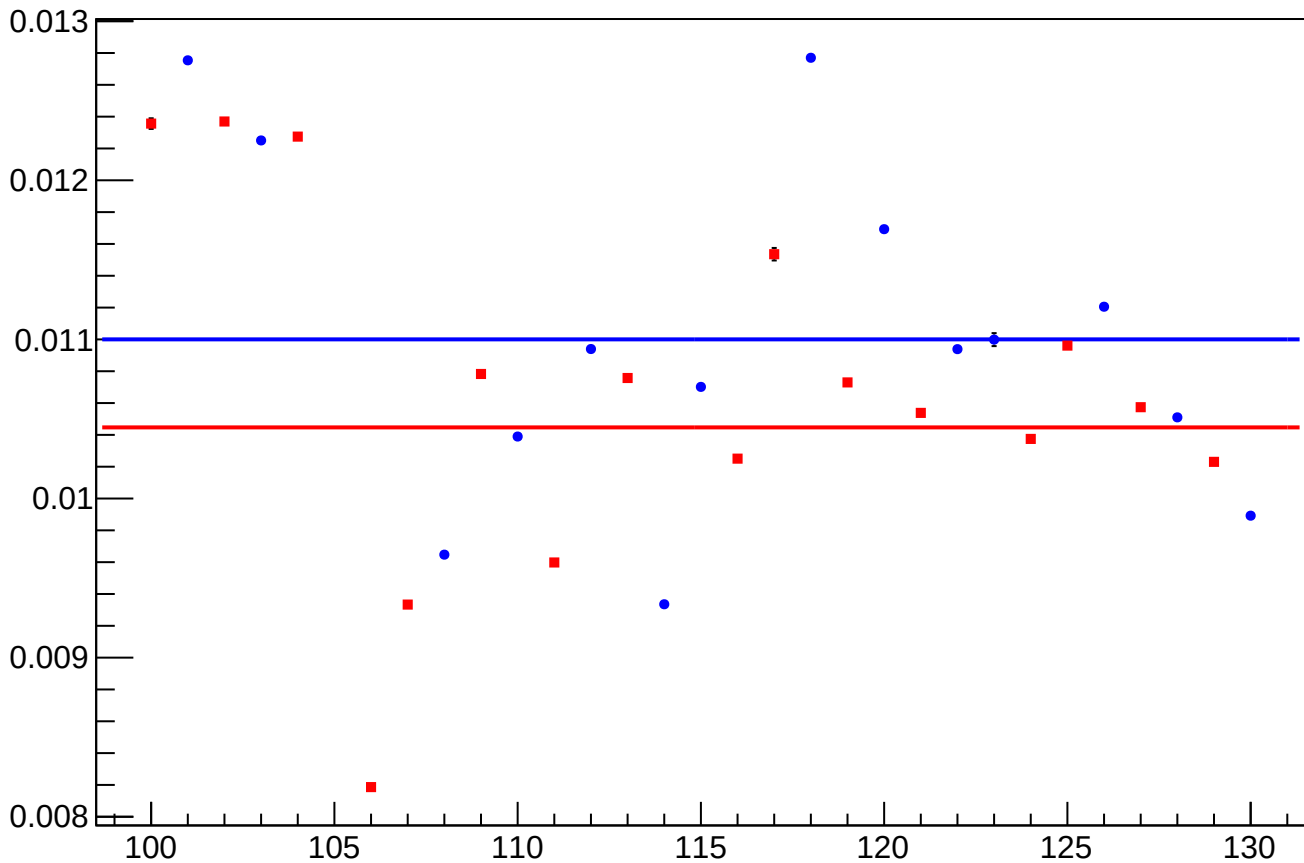
0.797 $\pm$ 0.000 χ^2 /NDF: 98903686.3/13

Right Out: 0.787 $\pm$ 0.000 χ^2 /NDF: 240163204.0/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.787 $\pm$ 0.000 χ^2 /NDF: 240163204.0/15

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 92800.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

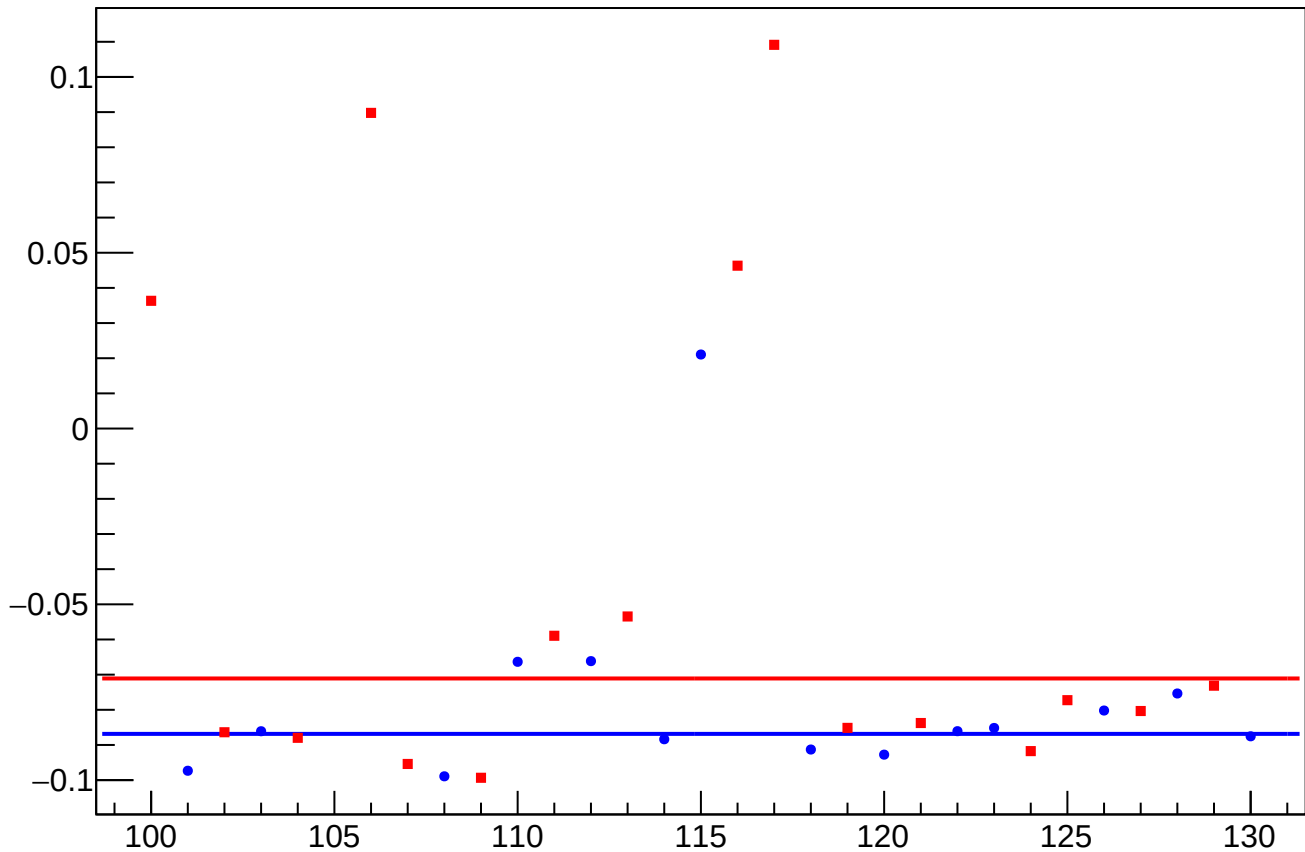
Right Out: 0.010+/-0.000 χ^2/NDF : 116690.8/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.011+/-0.000 χ^2/NDF : 92800.1/13

0.010+/-0.000 χ^2/NDF : 116690.8/15

yield_bpm0l09Y_mean vs Slug



Right In: -0.087+/-0.000 χ^2/NDF : 38346221.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

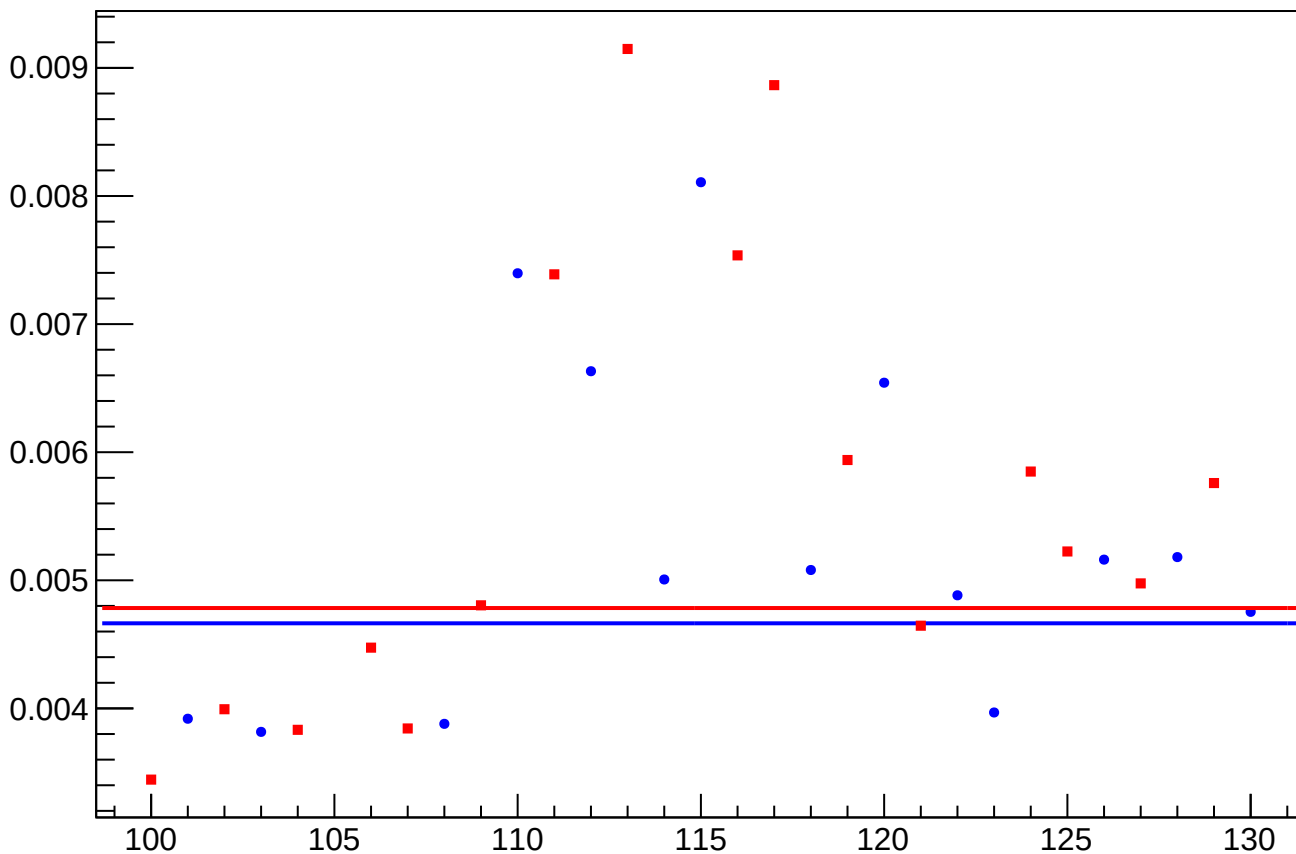
Right Out: -0.071+/-0.000 χ^2/NDF : 444973314.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-0.087+/-0.000 χ^2/NDF : 38346221.7/13

-0.071+/-0.000 χ^2/NDF : 444973314.0/15

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 394790.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

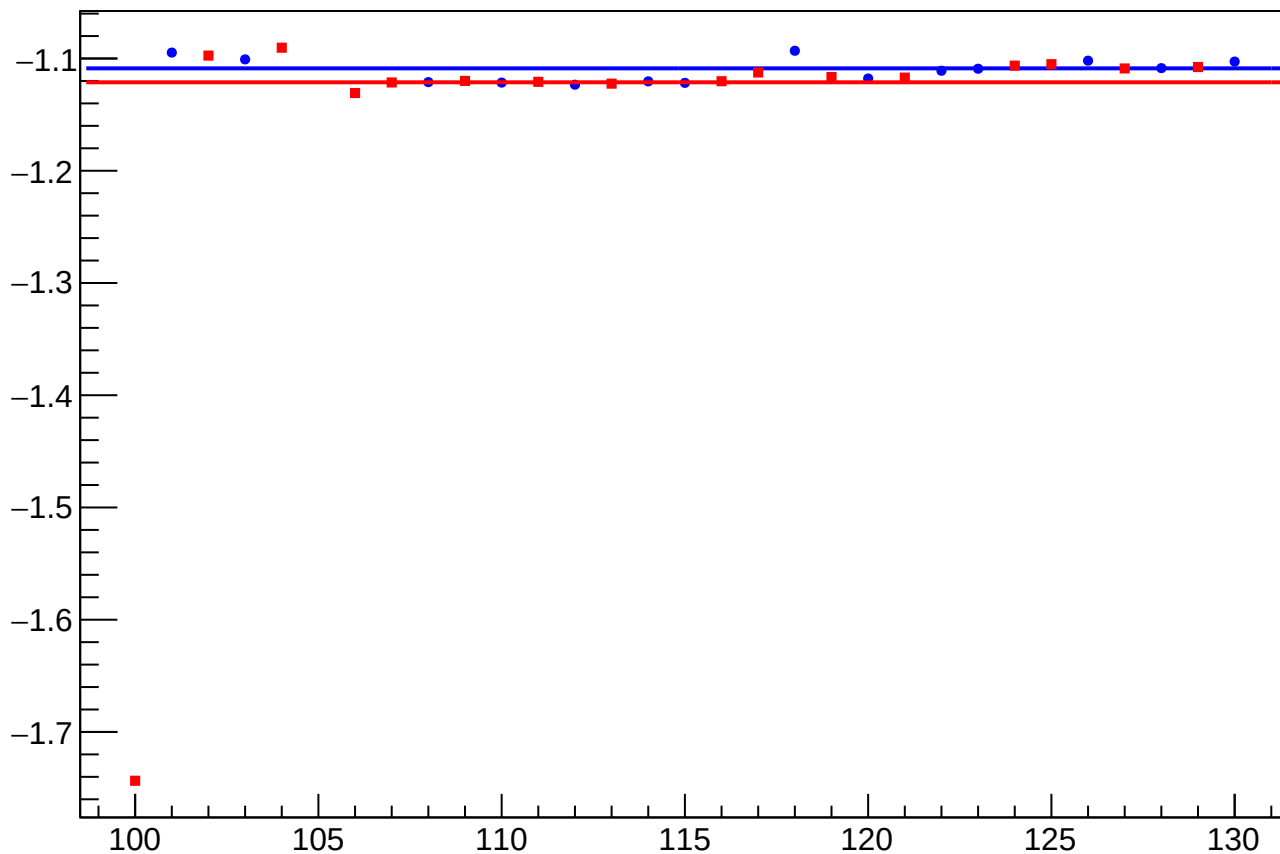
Right Out: 0.005+/-0.000 χ^2/NDF : 590861.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.005+/-0.000 χ^2/NDF : 394790.4/13

0.005+/-0.000 χ^2/NDF : 590861.1/15

yield_bpm0l10X_mean vs Slug



Right In: -1.109+/-0.000 χ^2/NDF : 3877674.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

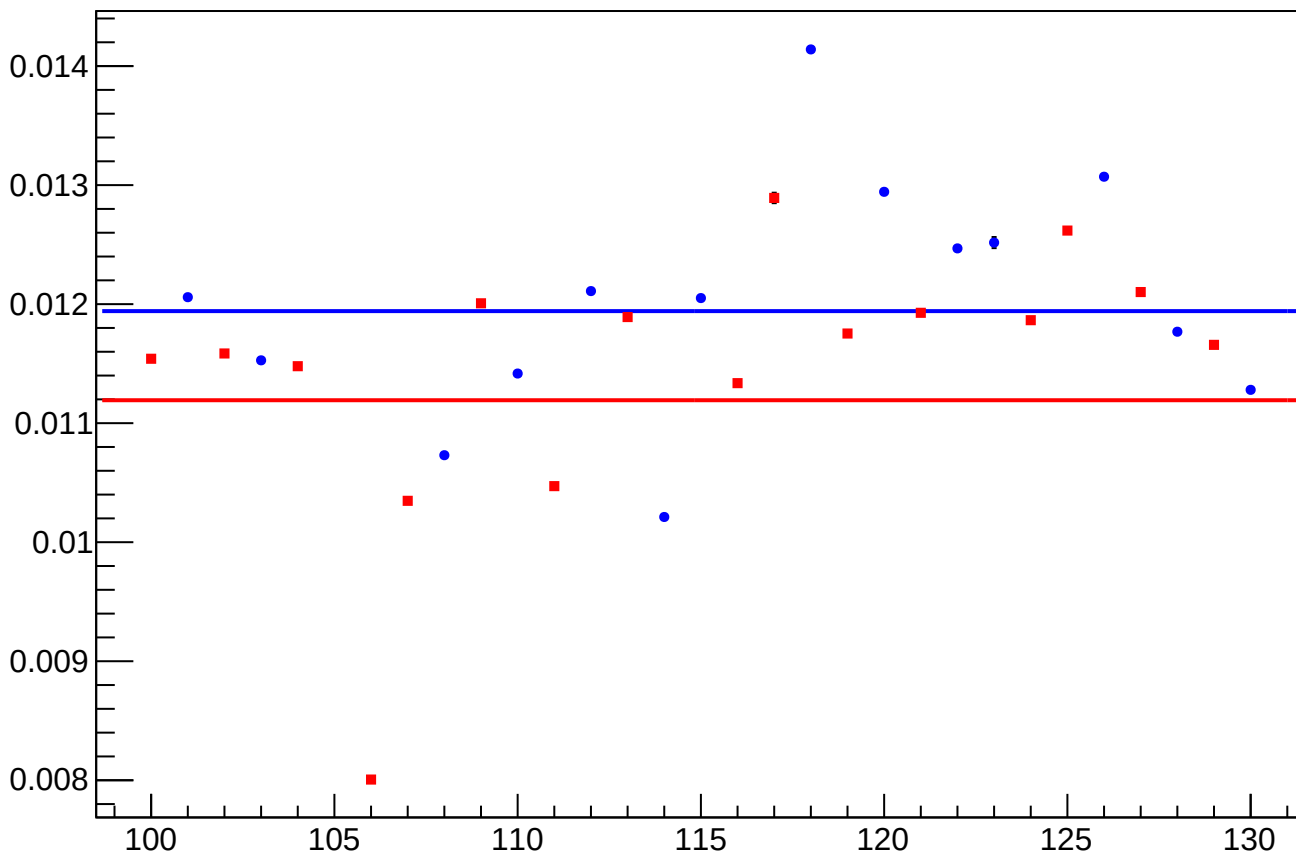
Right Out: -1.121+/-0.000 χ^2/NDF : 207273830.3/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-1.109+/-0.000 χ^2/NDF : 3877674.7/13

-1.121+/-0.000 χ^2/NDF : 207273830.3/15

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 55957.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

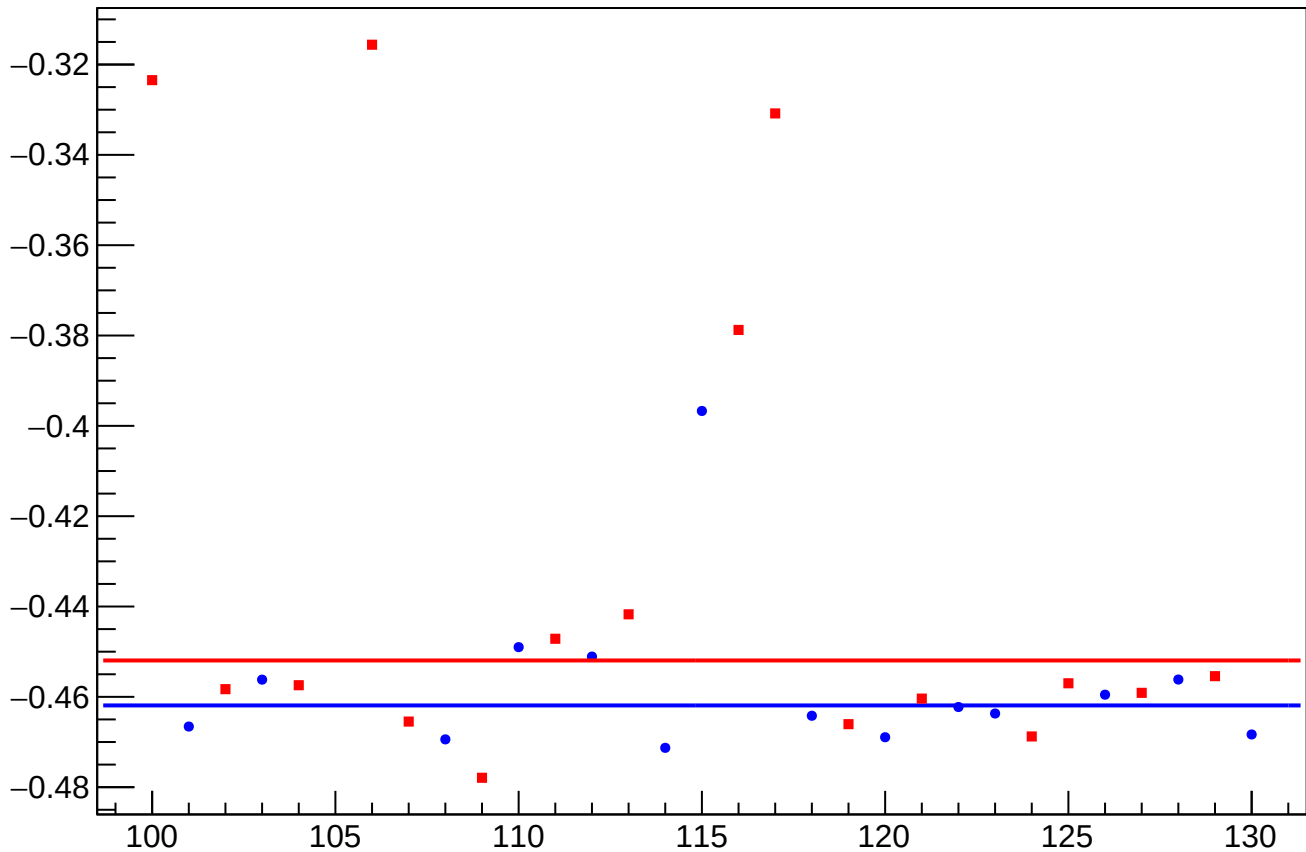
Right Out: 0.011+/-0.000 χ^2/NDF : 133430.3/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.012+/-0.000 χ^2/NDF : 55957.4/13

0.011+/-0.000 χ^2/NDF : 133430.3/15

yield_bpm0l10Y_mean vs Slug



Right In: -0.462+/-0.000 χ^2/NDF : 23701775.9/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

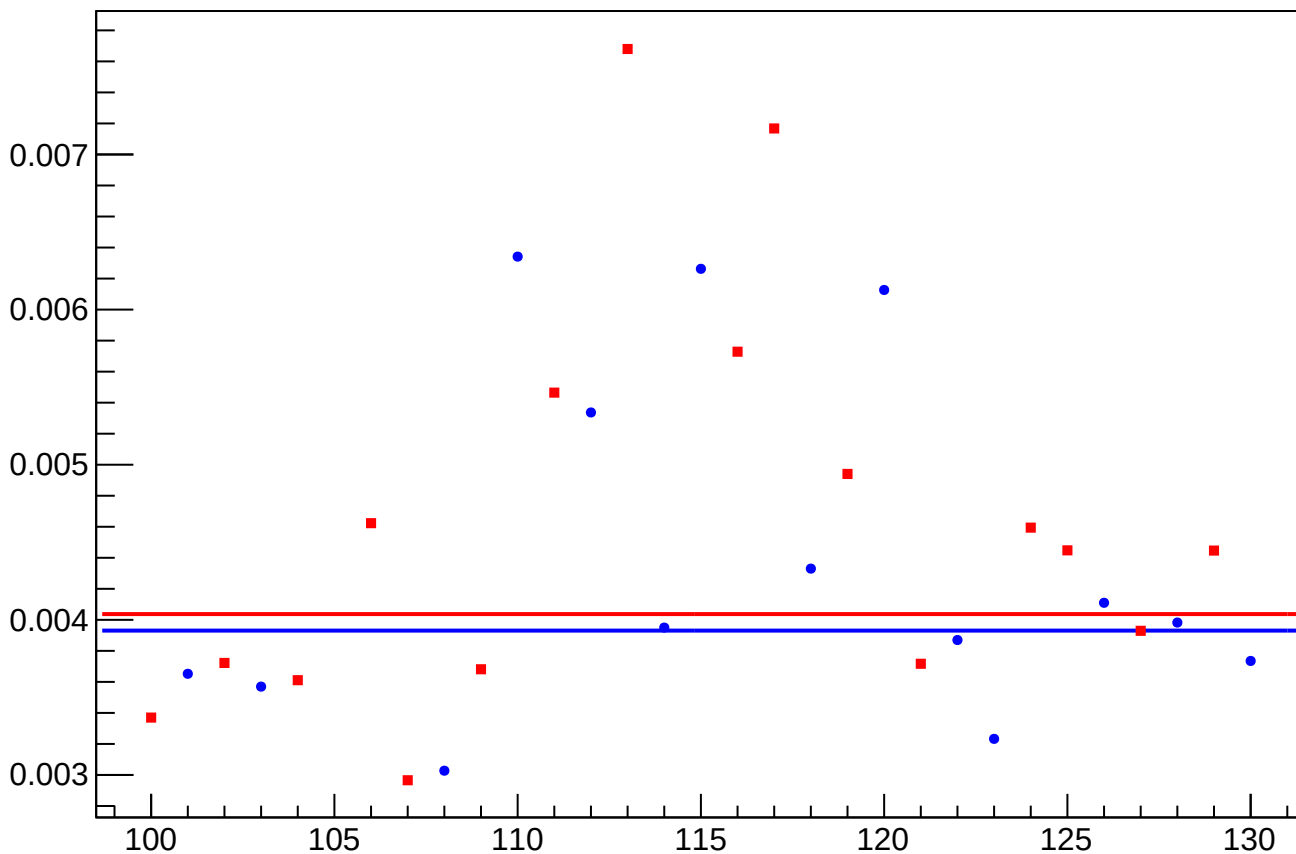
-0.462+/-0.000 χ^2/NDF : 23701775.9/13

Right Out: -0.452+/-0.000 χ^2/NDF : 364142763.6/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-0.452+/-0.000 χ^2/NDF : 364142763.6/15

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 347236.2/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

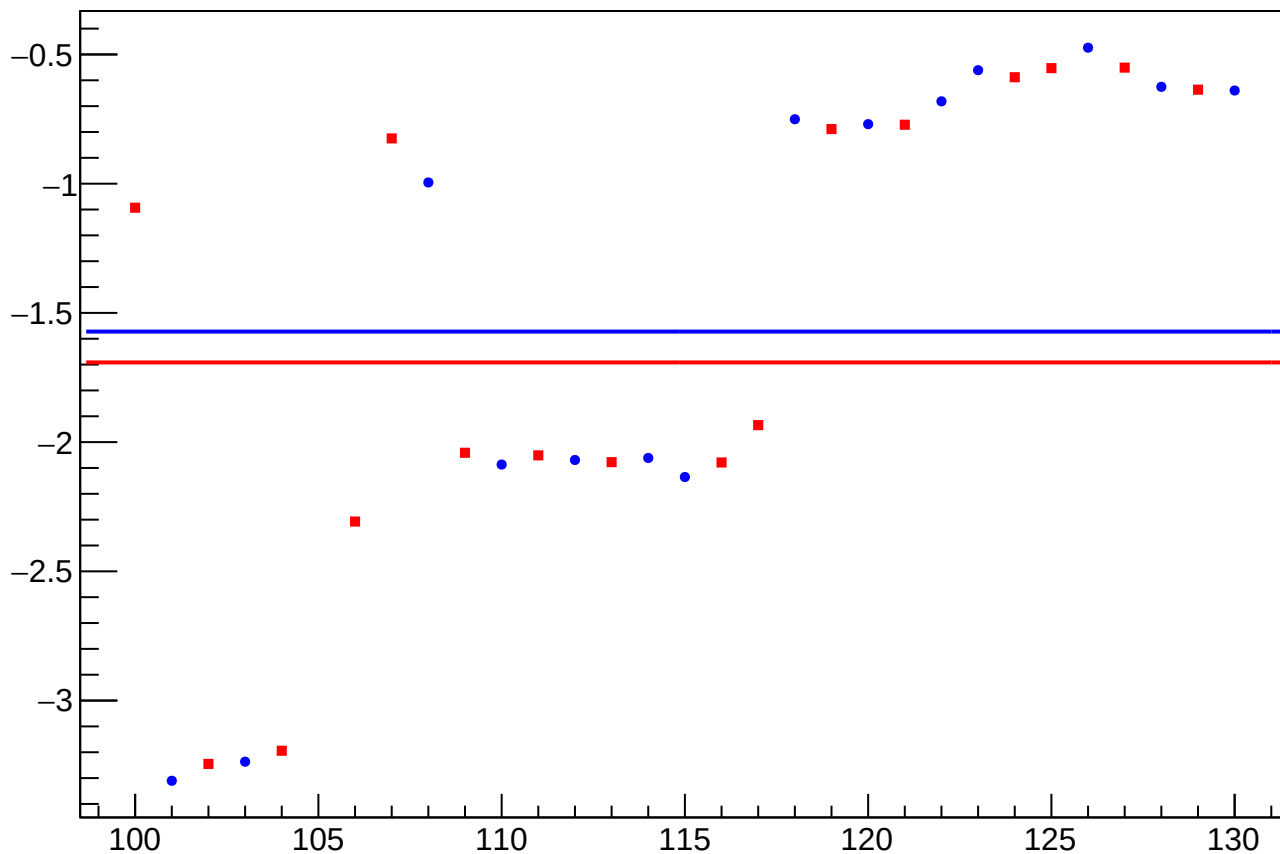
Right Out: 0.004+/-0.000 χ^2/NDF : 471015.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.004+/-0.000 χ^2/NDF : 347236.2/13

0.004+/-0.000 χ^2/NDF : 471015.2/15

yield_bpm0r03X_mean vs Slug



Right In: -1.572+/-0.000 χ^2/NDF : 1150709978.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

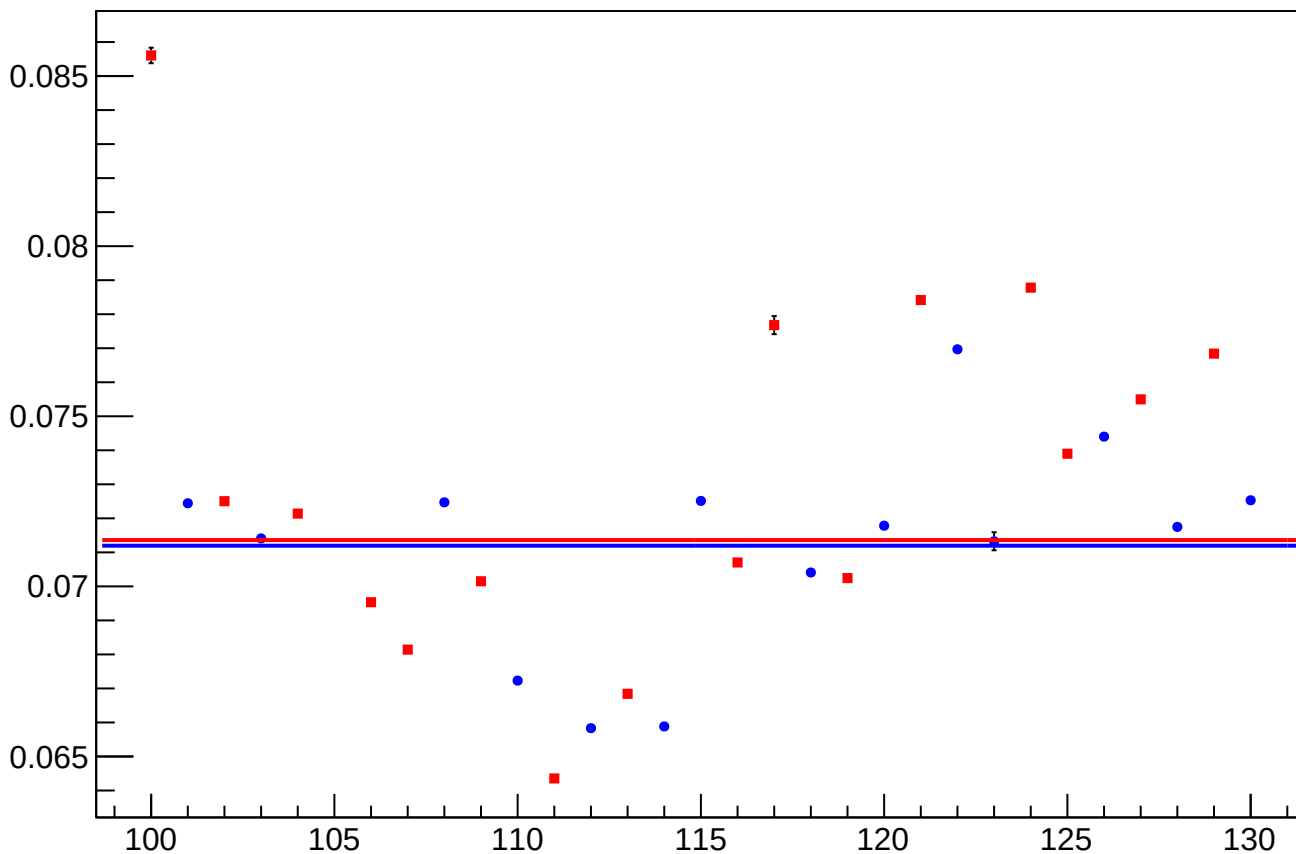
Right Out: -1.692+/-0.000 χ^2/NDF : 1003476783.3/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-1.572+/-0.000 χ^2/NDF : 1150709978.0/13

-1.692+/-0.000 χ^2/NDF : 1003476783.3/15

yield_bpm0r03X_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF : 17446.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

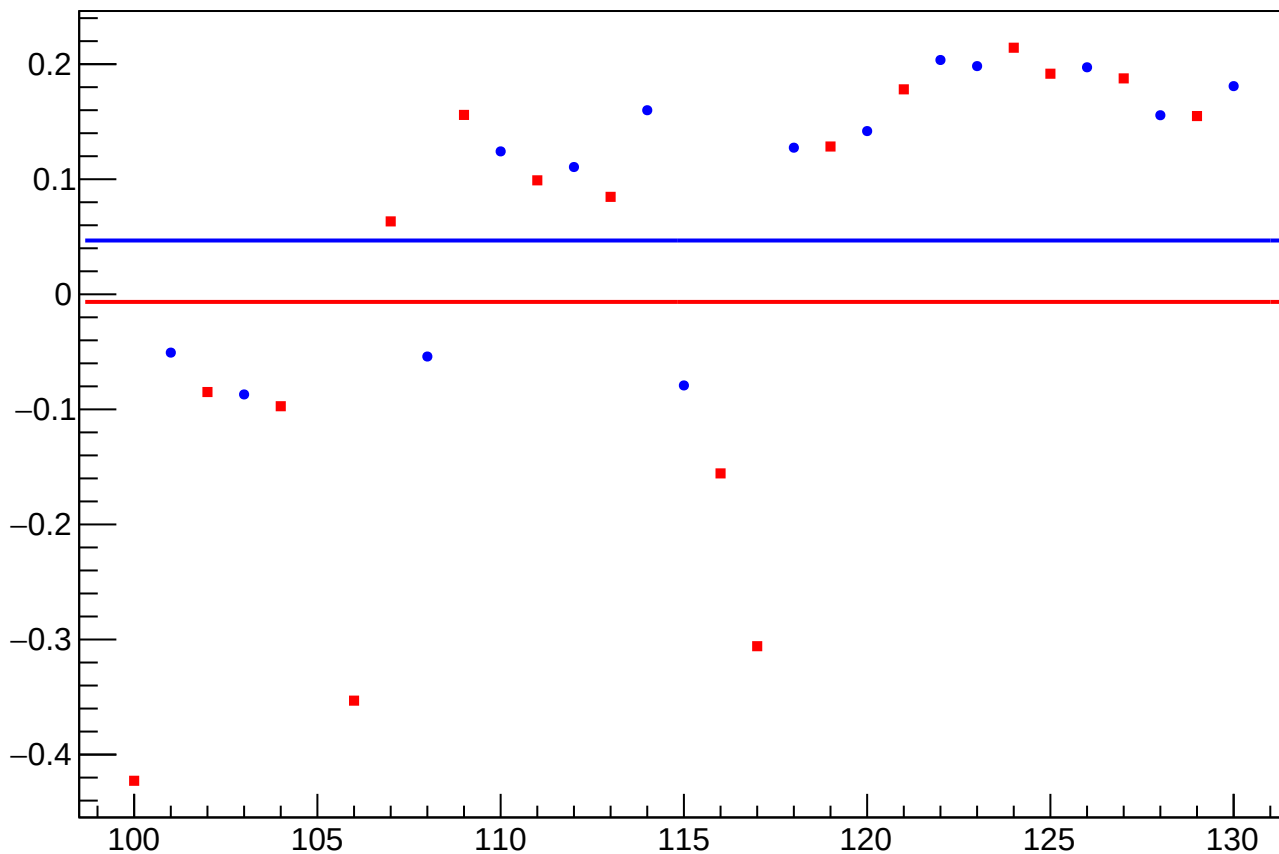
Right Out: 0.071+/-0.000 χ^2/NDF : 37610.3/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.071+/-0.000 χ^2/NDF : 17446.1/13

0.071+/-0.000 χ^2/NDF : 37610.3/15

yield_bpm0r03Y_mean vs Slug



Right In: 0.047+/-0.000 χ^2/NDF : 448729534.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

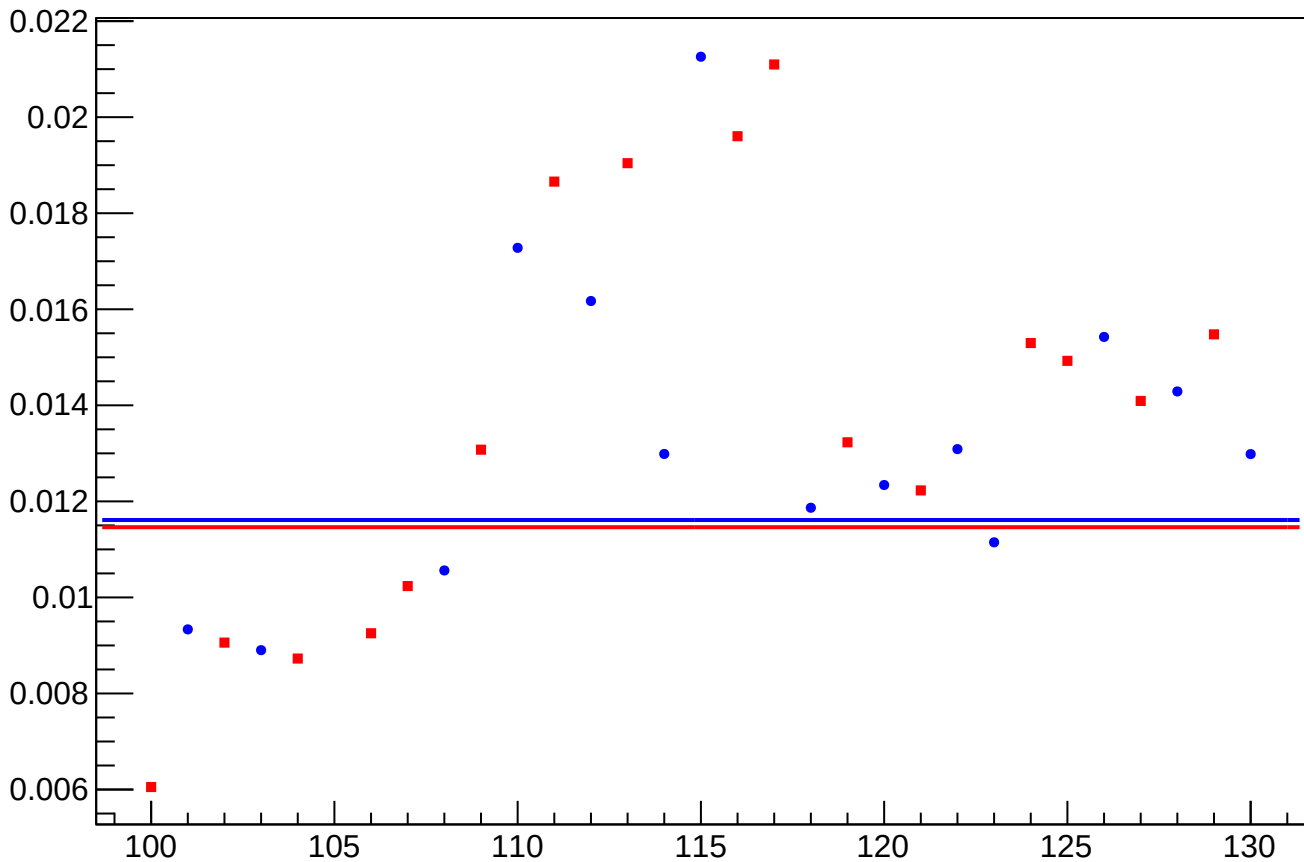
Right Out: -0.007+/-0.000 χ^2/NDF : 1151292995.2/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.047+/-0.000 χ^2/NDF : 448729534.8/13

-0.007+/-0.000 χ^2/NDF : 1151292995.2/15

yield_bpm0r03Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 454088.3/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

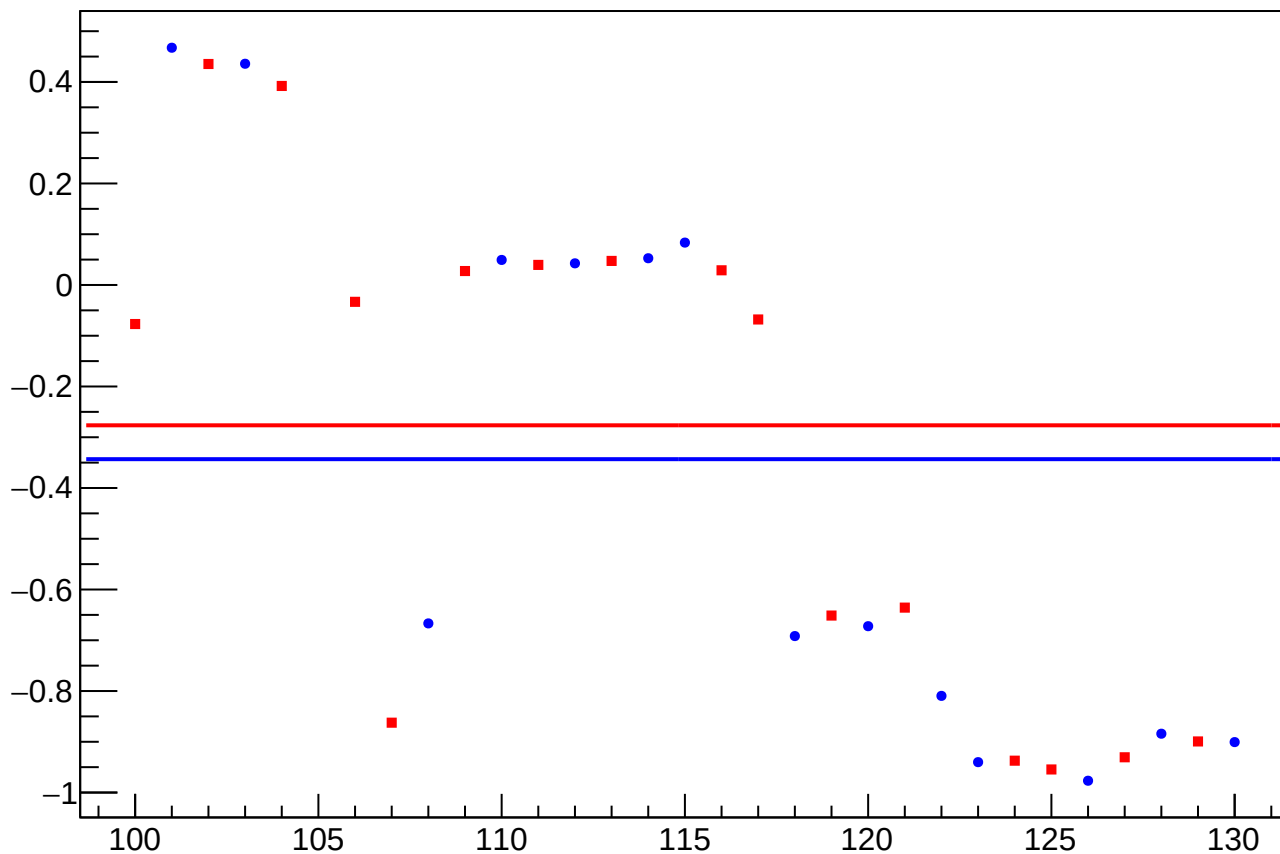
Right Out: 0.011+/-0.000 χ^2/NDF : 809781.3/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.012+/-0.000 χ^2/NDF : 454088.3/13

0.011+/-0.000 χ^2/NDF : 809781.3/15

yield_bpm0r05X_mean vs Slug



Right In: -0.343+/-0.000 χ^2/NDF : 204127570.7/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

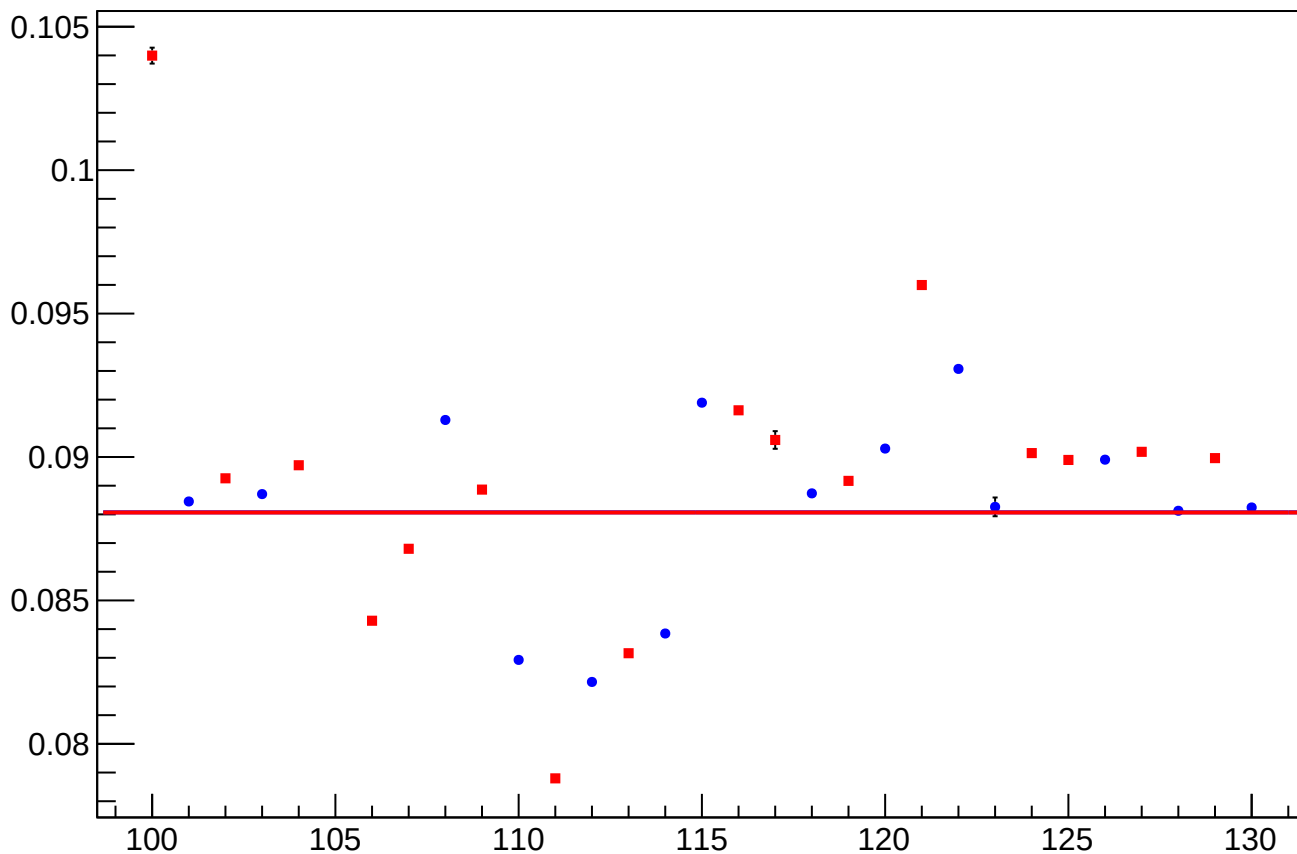
Right Out: -0.276+/-0.000 χ^2/NDF : 187720193.5/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-0.343+/-0.000 χ^2/NDF : 204127570.7/13

-0.276+/-0.000 χ^2/NDF : 187720193.5/15

yield_bpm0r05X_rms vs Slug



Right In: 0.088+/-0.000 χ^2/NDF : 12869.1/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

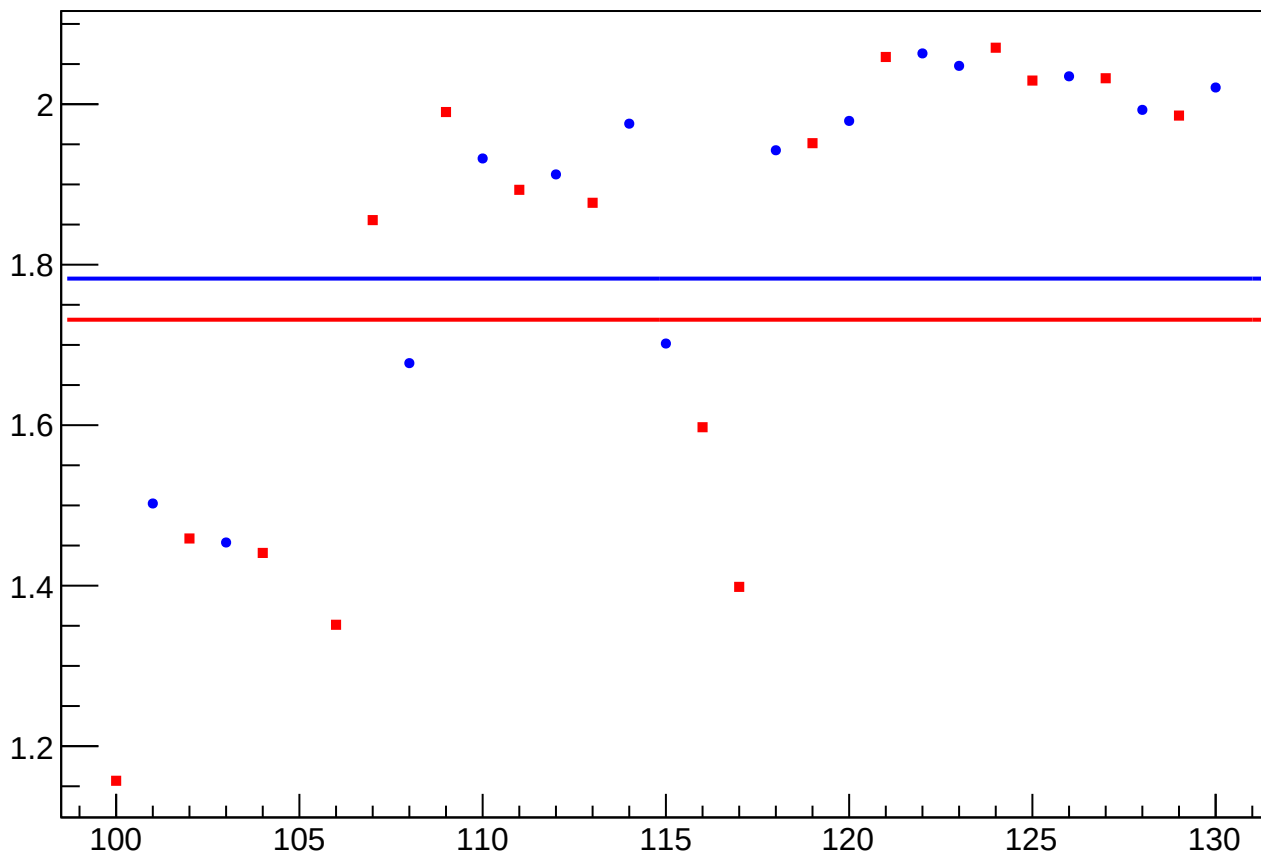
Right Out: 0.088+/-0.000 χ^2/NDF : 27778.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.088+/-0.000 χ^2/NDF : 12869.1/13

0.088+/-0.000 χ^2/NDF : 27778.1/15

yield_bpm0r05Y_mean vs Slug



Right In: 1.783+/-0.000 χ^2/NDF : 1084054068.8/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

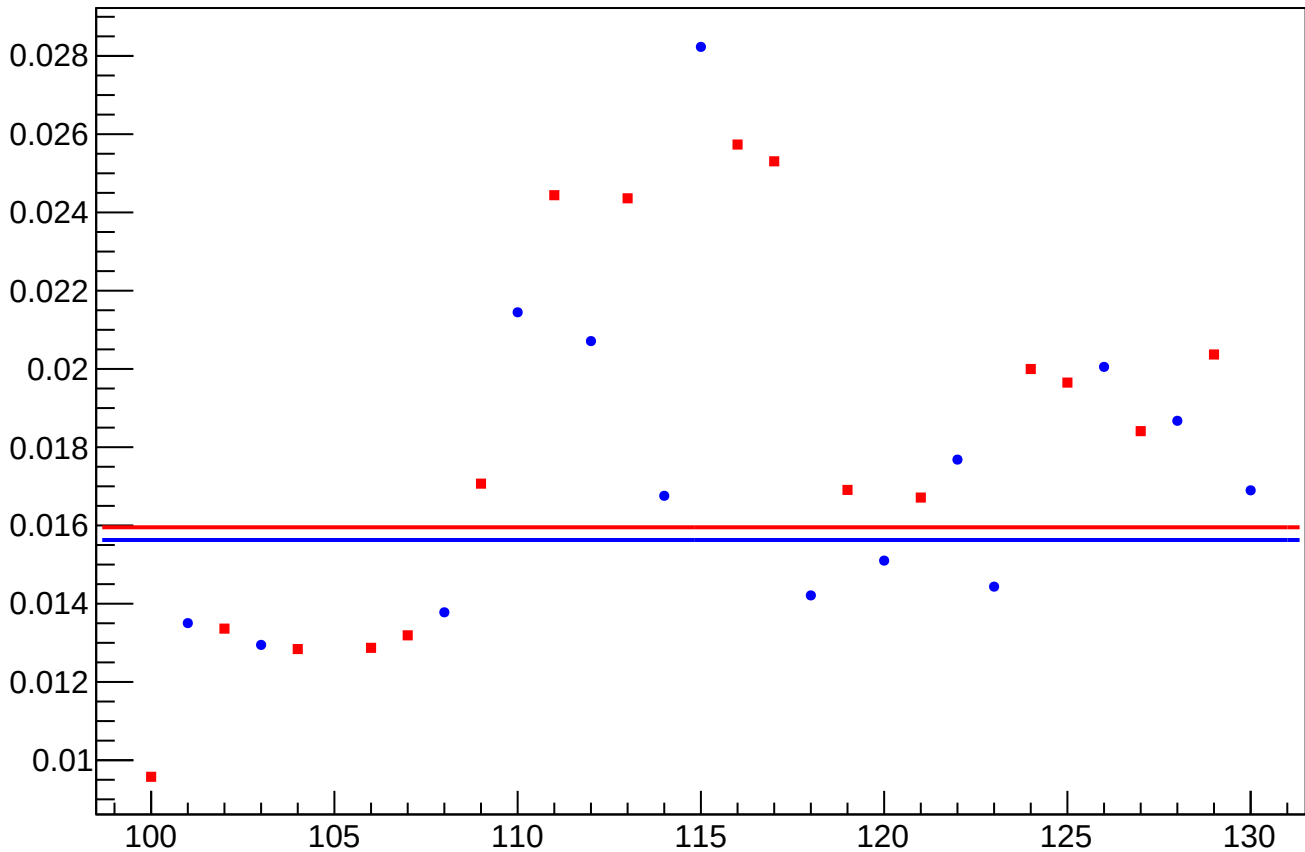
Right Out: 1.731+/-0.000 χ^2/NDF : 1556236498.1/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1.783+/-0.000 χ^2/NDF : 1084054068.8/13

1.731+/-0.000 χ^2/NDF : 1556236498.1/15

yield_bpm0r05Y_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 313241.4/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

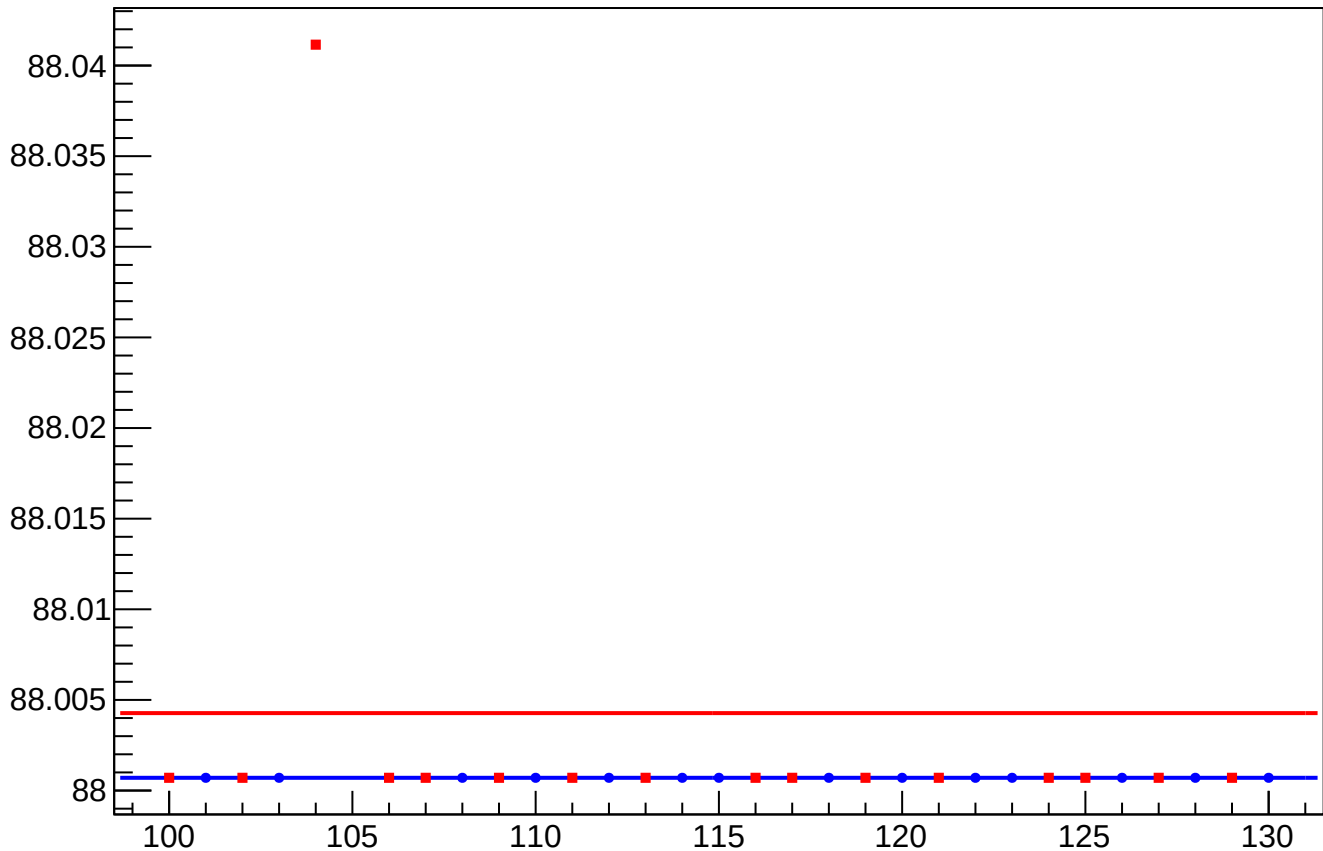
Right Out: 0.016+/-0.000 χ^2/NDF : 565114.9/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.016+/-0.000 χ^2/NDF : 313241.4/13

0.016+/-0.000 χ^2/NDF : 565114.9/15

epics_VWienAngles_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 1244406.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

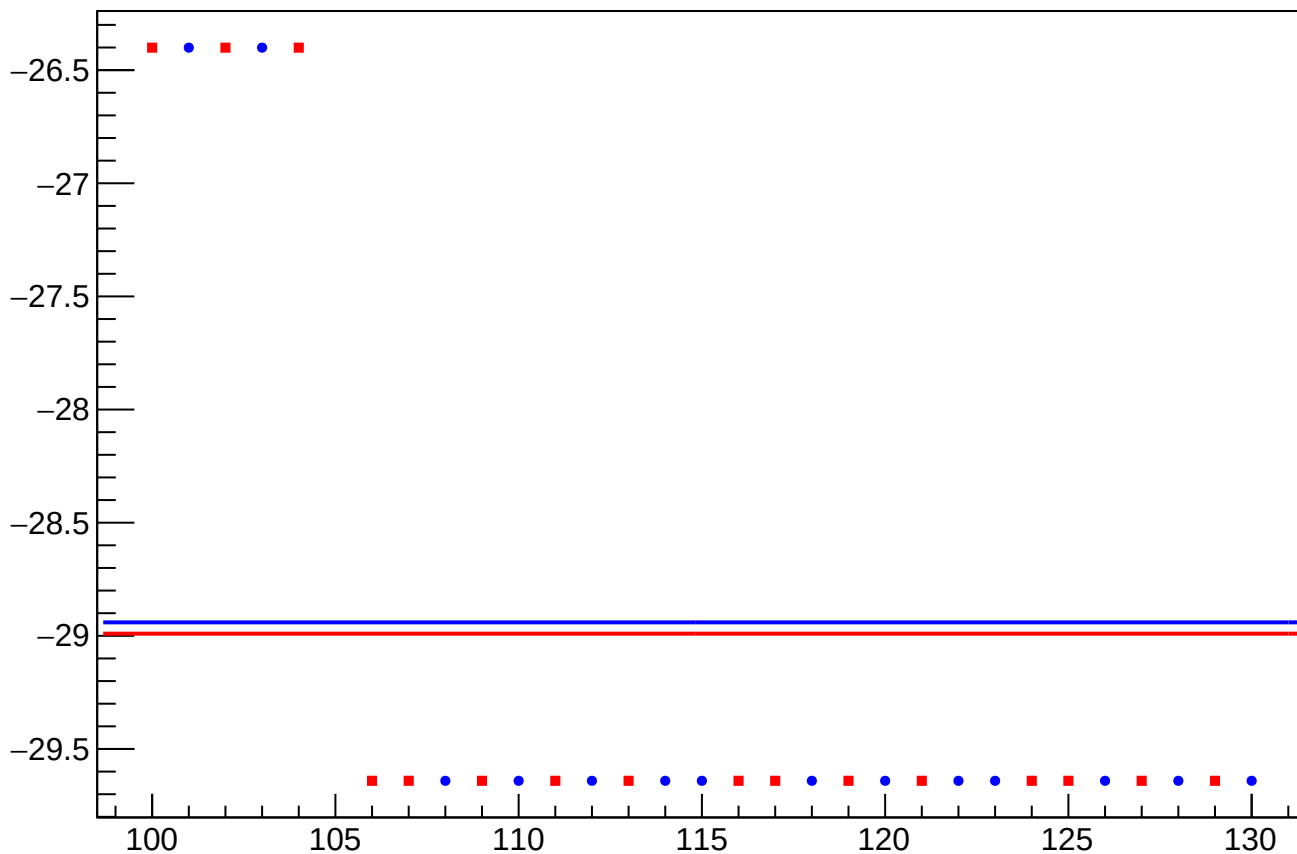
88.001+/-0.000 χ^2/NDF : 1244406.0/13

Right Out: 88.004+/-0.000 χ^2/NDF : 76077503898346979997276700672.0/15

88.004+/-0.000 χ^2/NDF : 76077503898346979997276700672.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

epics_HWienAngles_mean vs Slug



Right In: -28.940+/-0.000 χ^2/NDF : 971008773626388633027244409749504.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

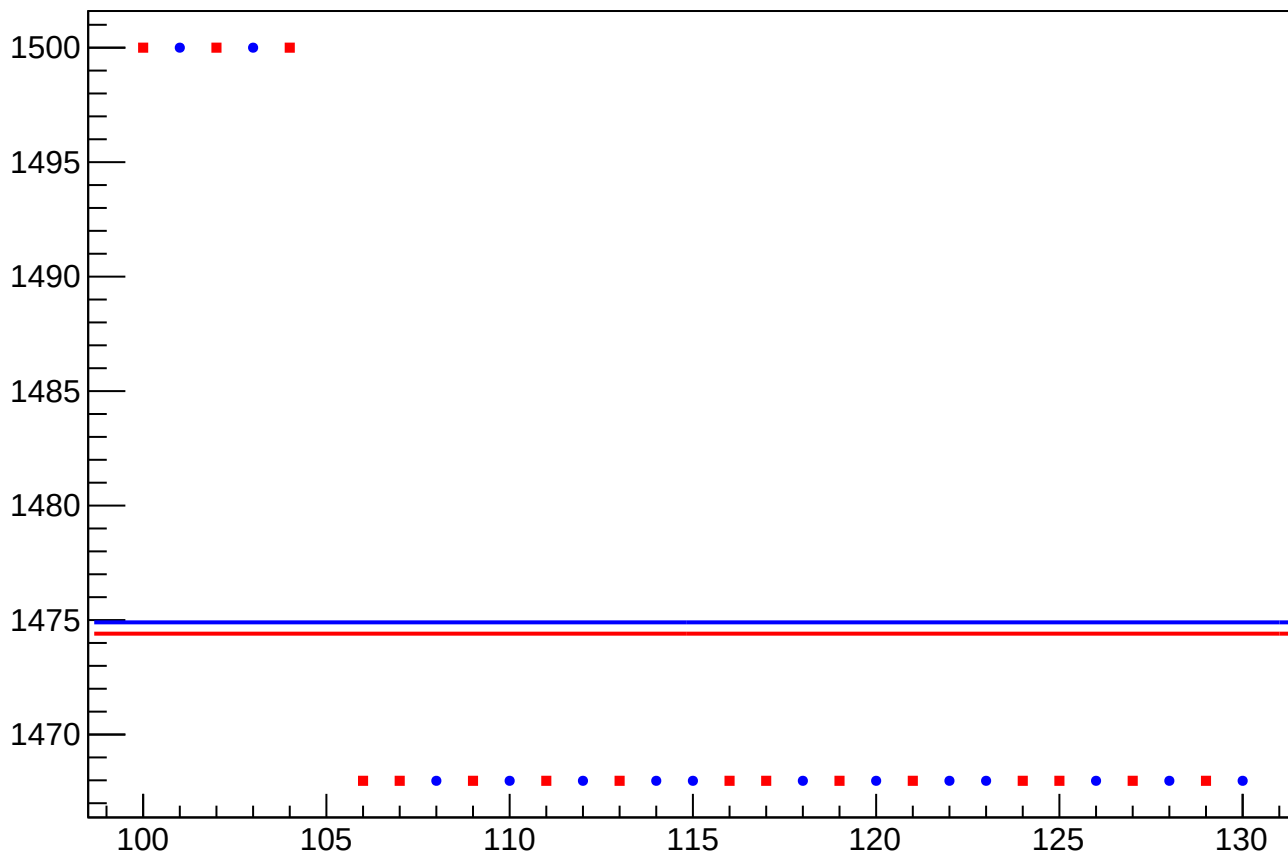
Right Out: -28.990+/-0.000 χ^2/NDF : 973334566089972720641808613244928.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-28.940+/-0.000 χ^2/NDF : 97100877362638863

-28.990+/-0.000 χ^2/NDF : 97333456608997272

epics_psub_pl_poss_mean vs Slug



Right In: 1474.900+/-0.000 χ^2/NDF : 94844889418164092780045447779581952.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

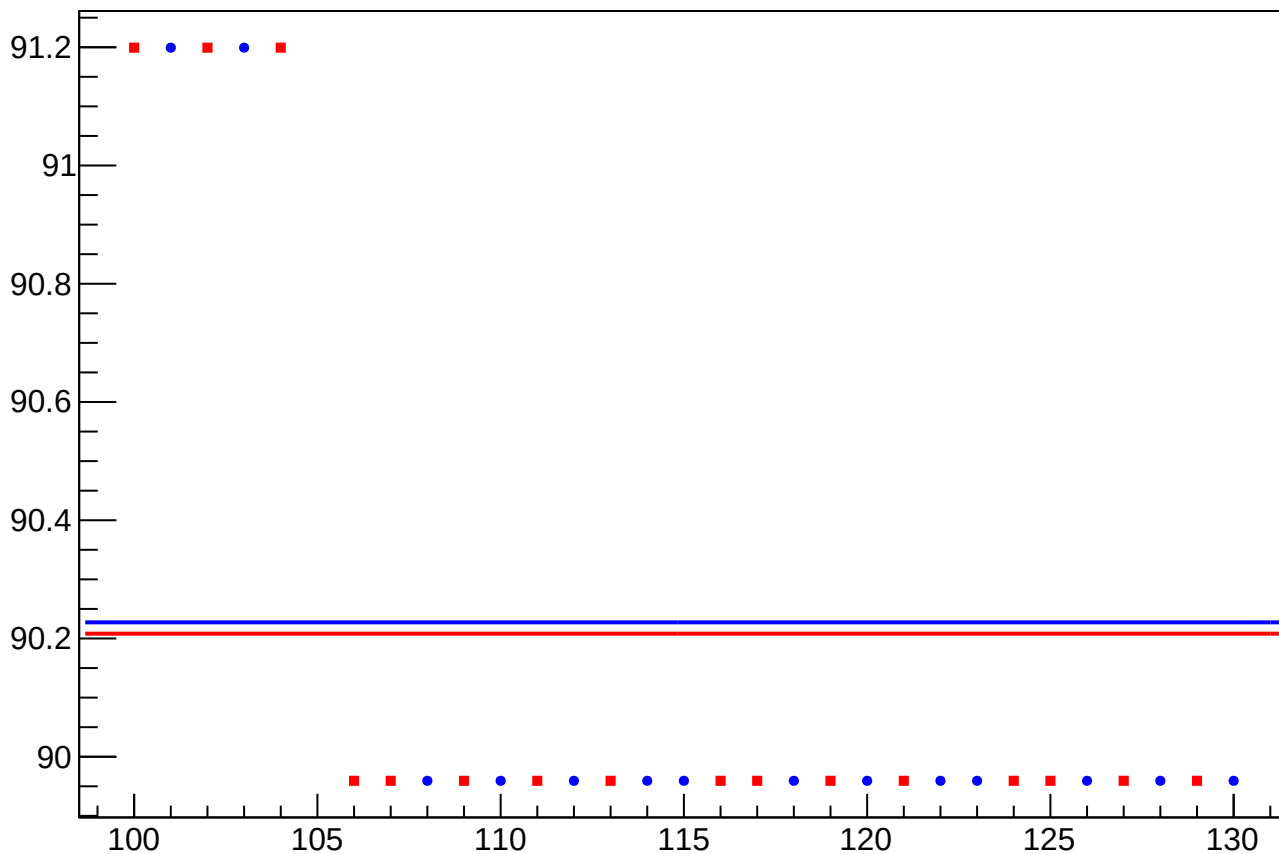
Right Out: 1474.406+/-0.000 χ^2/NDF : 95072065047276045181453950521442304.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

1474.900+/-0.000 χ^2/NDF : 9484488941816409

1474.406+/-0.000 χ^2/NDF : 9507206504727604

epics_Phi_FGs_mean vs Slug



Right In: 90.227+/-0.000 χ^2/NDF : 142225183882811924176692664336384.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

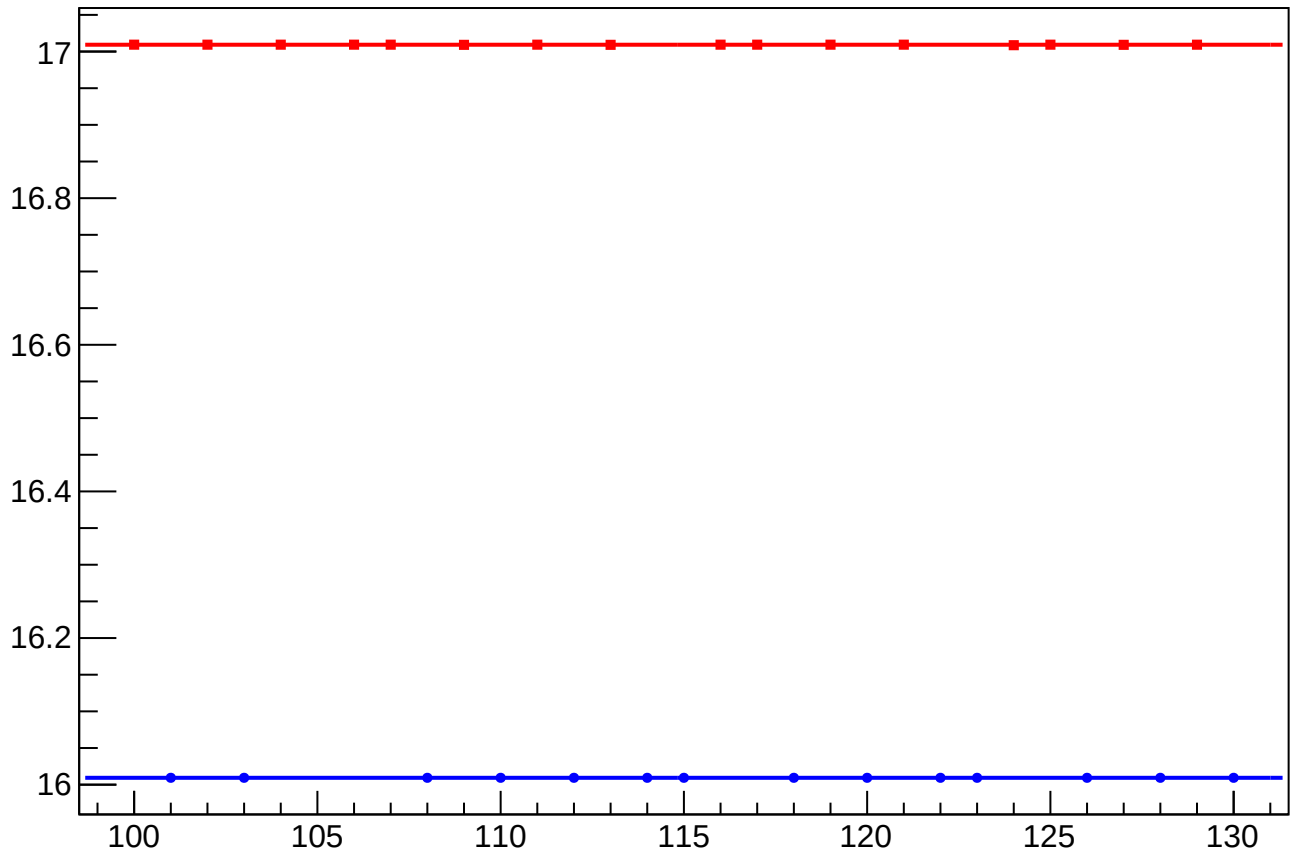
Right Out: 90.208+/-0.000 χ^2/NDF : 142565846366810934289142879617024.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

90.227+/-0.000 χ^2/NDF : 142225183882811924

90.208+/-0.000 χ^2/NDF : 142565846366810934

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF : 32816.6/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

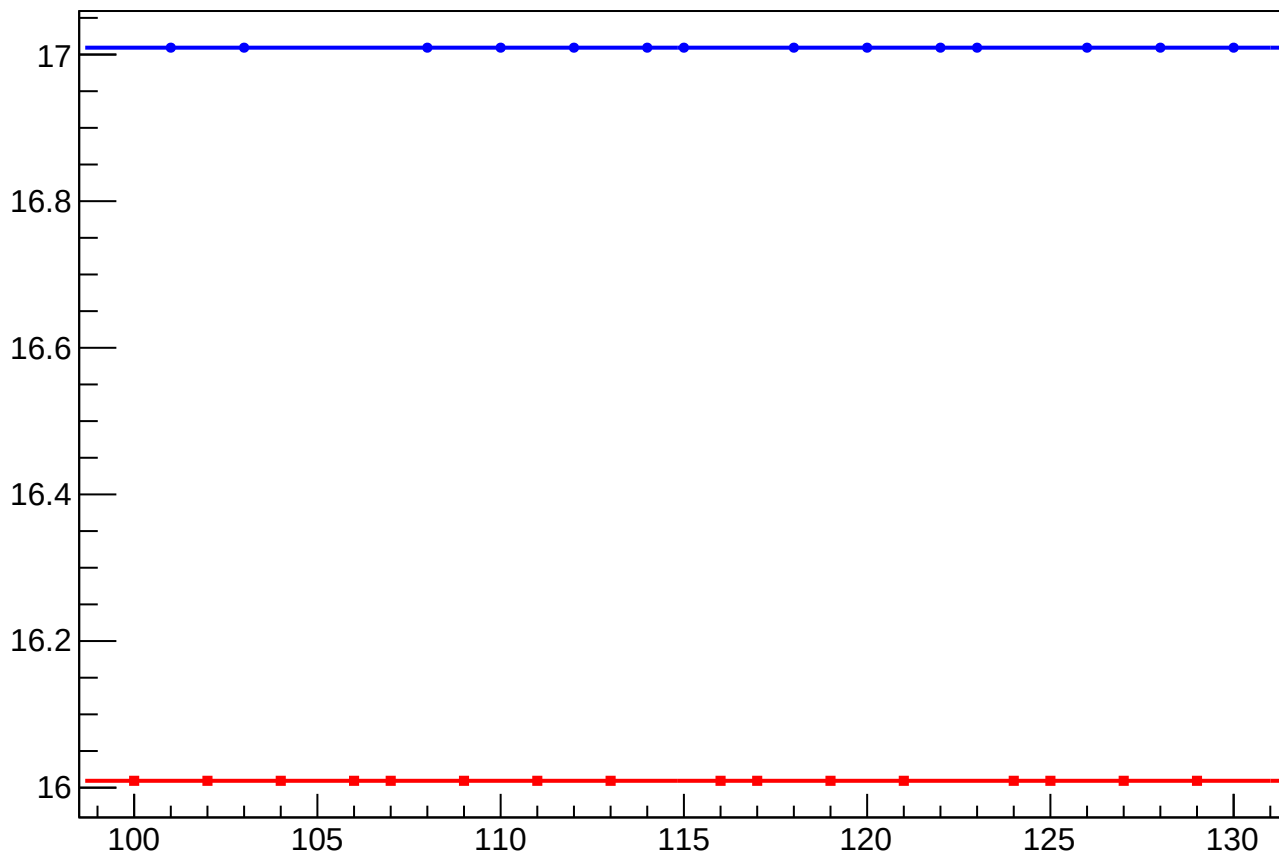
16.009+/-0.000 χ^2/NDF : 32816.6/13

Right Out: 17.009+/-0.000 χ^2/NDF : 10103871280874959551856640.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

17.009+/-0.000 χ^2/NDF : 10103871280874959551856640.0/15

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 35744.9/13

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

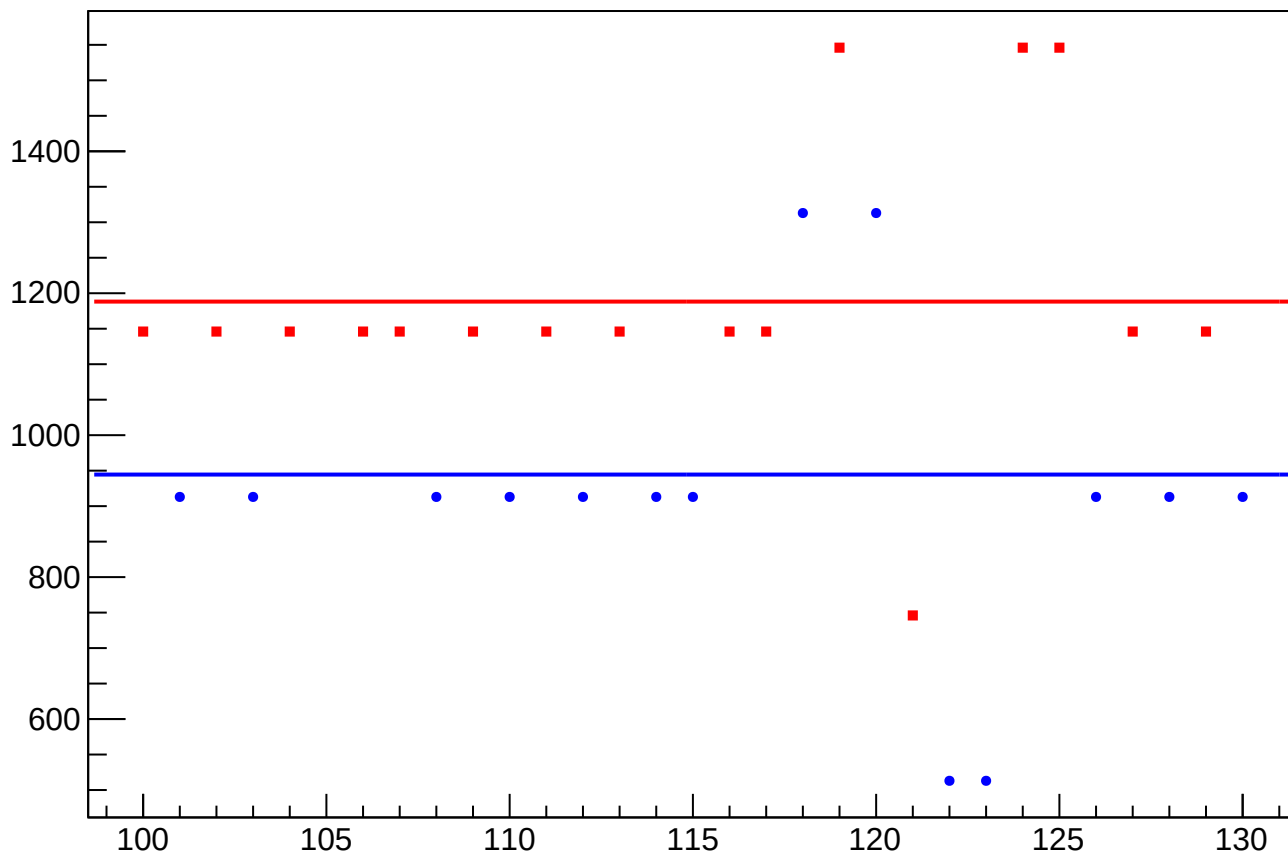
Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 33031.2/15

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

17.009 $\pm$ 0.000 χ^2 /NDF: 35744.9/13

16.009 $\pm$ 0.000 χ^2 /NDF: 33031.2/15

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 944.498+/-0.000 χ^2/NDF : 20739480653072862156119479235538583552.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

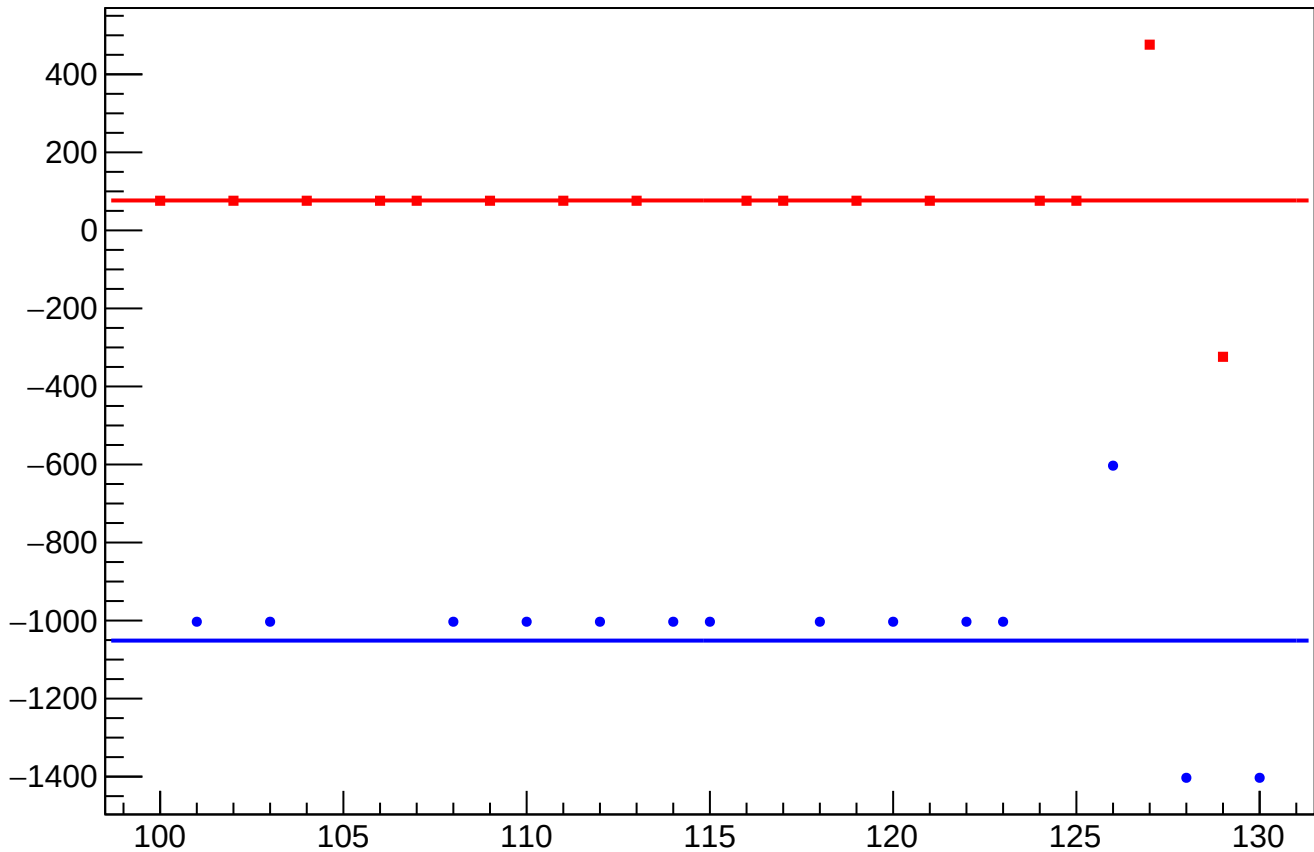
Right Out: 1188.224+/-0.000 χ^2/NDF : 21210708149900029479728361812126597120.0/15

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

944.498+/-0.000 χ^2/NDF : 20739480653072862

1188.224+/-0.000 χ^2/NDF : 2121070814990002

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1051.341+/-0.000 χ^2/NDF : 22403195166800268364140607499531190272.0/13

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-1051.341+/-0.000 χ^2/NDF : 224031951668002

Right Out: 76.701+/-0.000 χ^2/NDF : 13599360428964265579863045790123425792.0/15

76.701+/-0.000 χ^2/NDF : 135993604289642655

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0