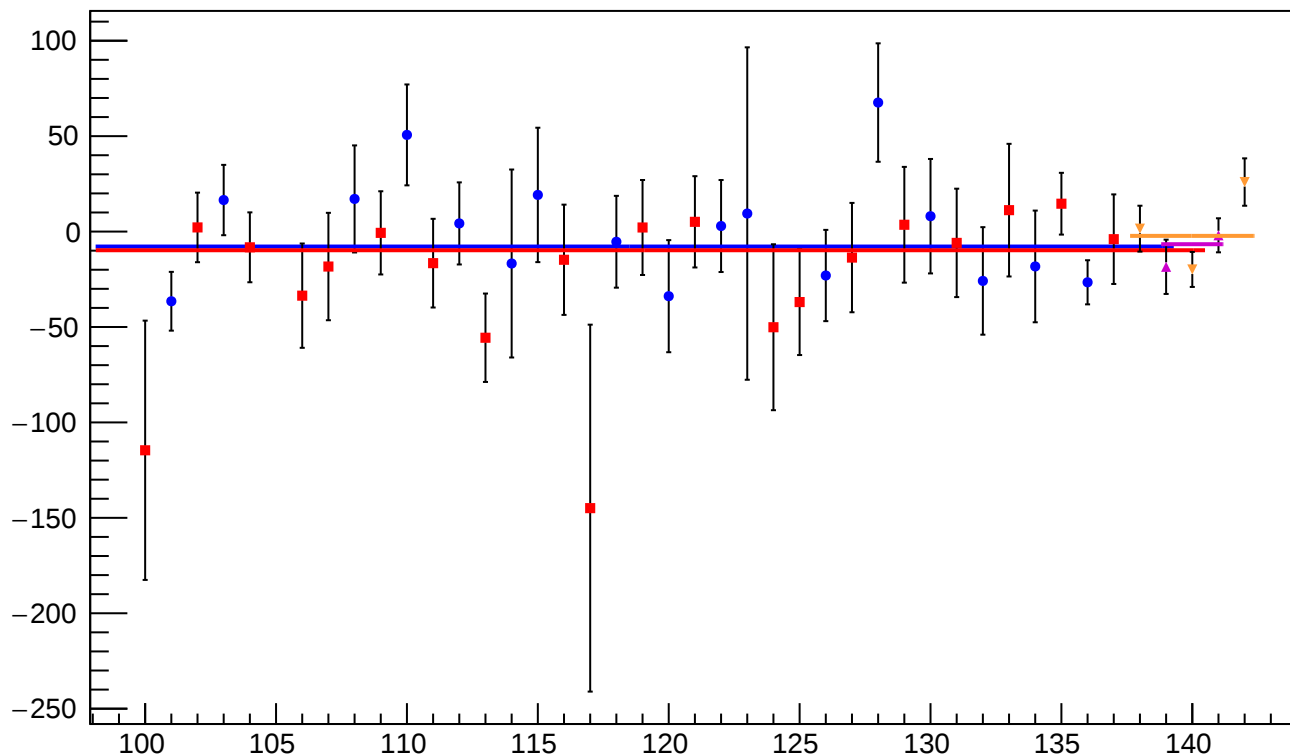


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

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

-5.366 ± 4.185

$\chi^2/\text{NDF}: 32.0/19$

Left Out: -2.254 ± 6.288

$\chi^2/\text{NDF}: 8.9/2$

Right Out: -9.781 ± 5.667

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

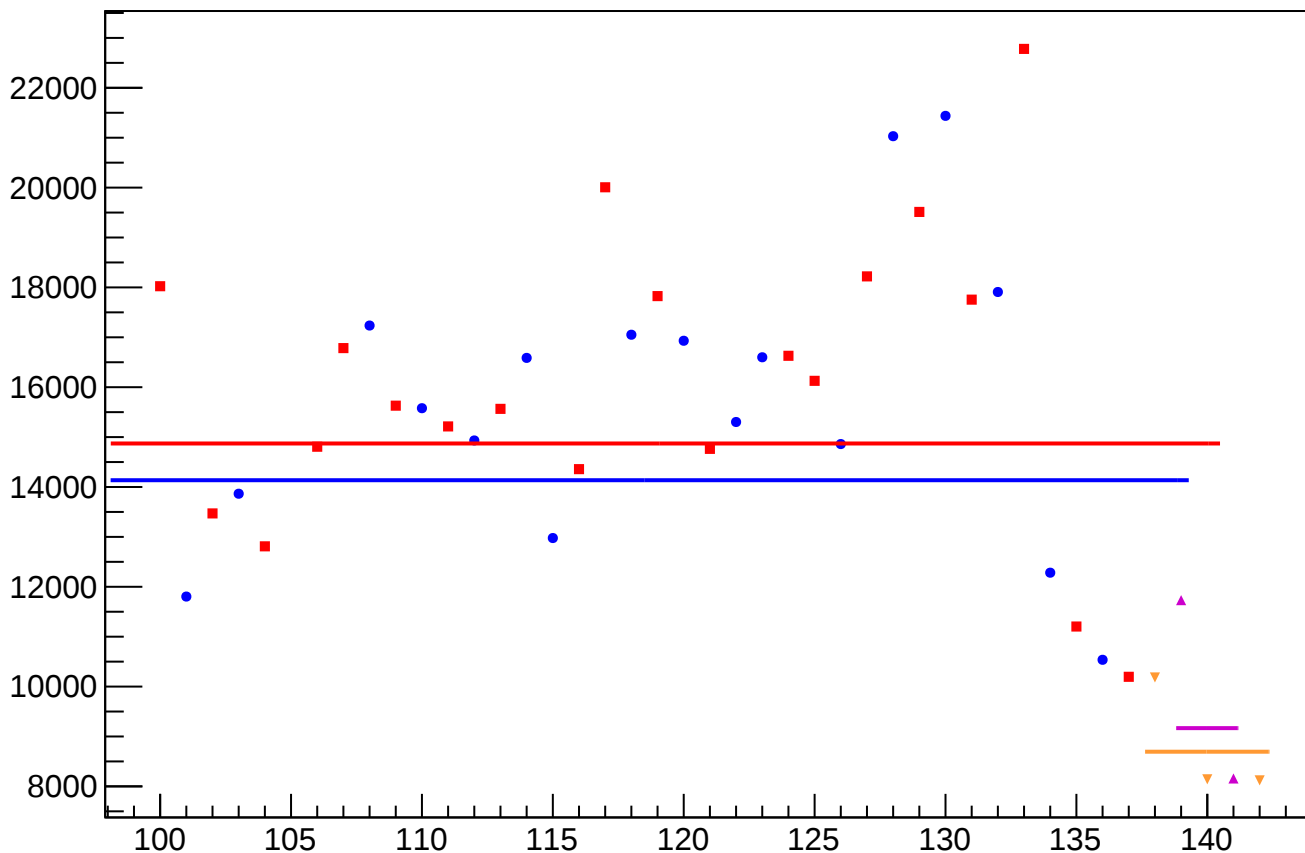
-8.641 ± 4.534

$\chi^2/\text{NDF}: 16.3/21$

Left In: -6.616 ± 7.557

$\chi^2/\text{NDF}: 1.0/1$

diff_bpm4aX_rms vs Slug



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

Left Out: 8694.847+/-4.446 χ^2/NDF : 42205.1/2

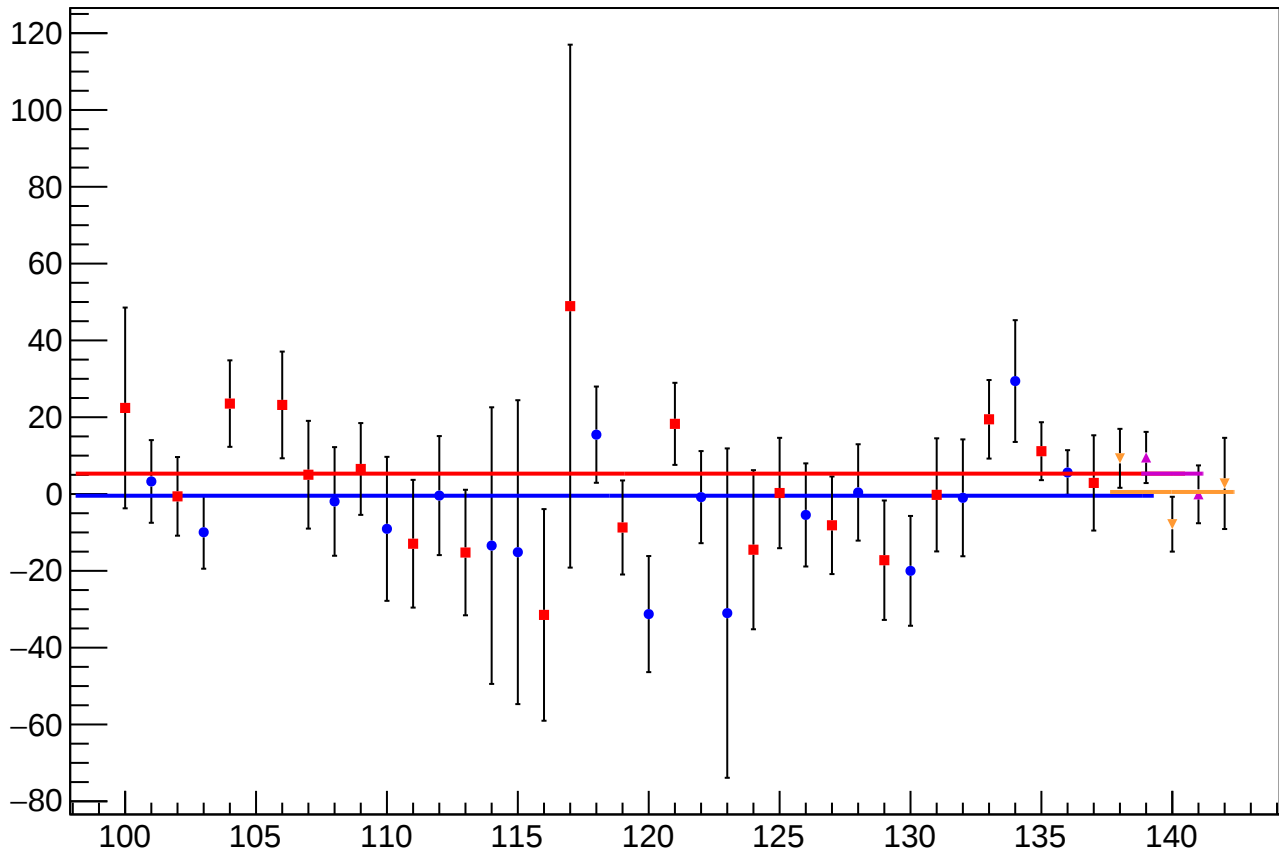
11724.987+/-2.959 χ^2/NDF : 1473456.1/19

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

12818.529+/-3.206 χ^2/NDF : 1297795.3/21

Left In: 9167.323+/-5.344 χ^2/NDF : 90638.1/1

diff_bpm4aY_mean vs Slug



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

Left Out: 0.536 ± 4.784 χ^2/NDF : 2.7/2

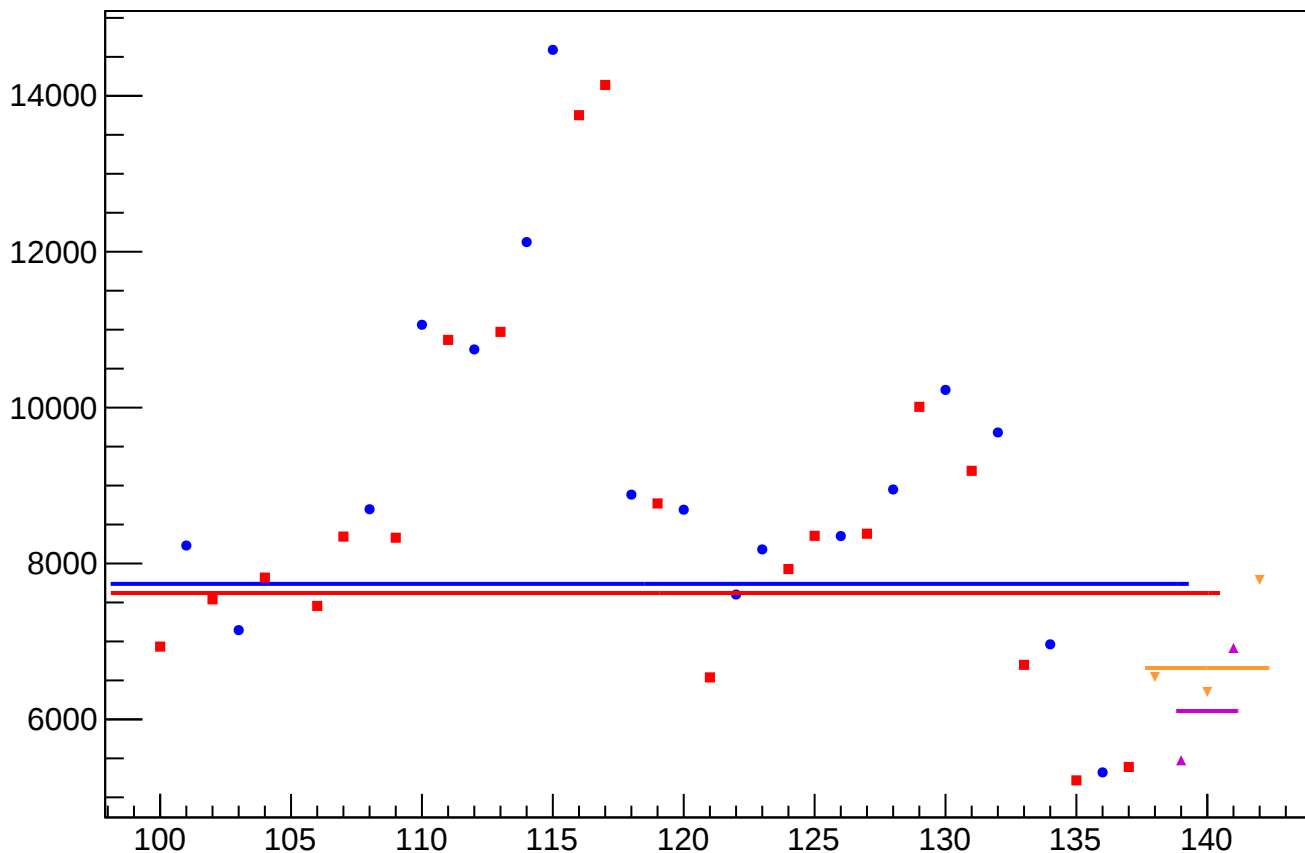
Right Out: 5.310 ± 2.933 χ^2/NDF : 19.8/19

Left In: 5.310 ± 4.990 χ^2/NDF : 0.9/1

-0.156 ± 2.584 χ^2/NDF : 17.3/19

5.310 ± 2.529 χ^2/NDF : 20.7/21

diff_bpm4aY_rms vs Slug



Right In: 7738.886 ± 2.172 χ^2/NDF : 740836.7/16

Left Out: 6659.722 ± 3.383 χ^2/NDF : 22291.8/2

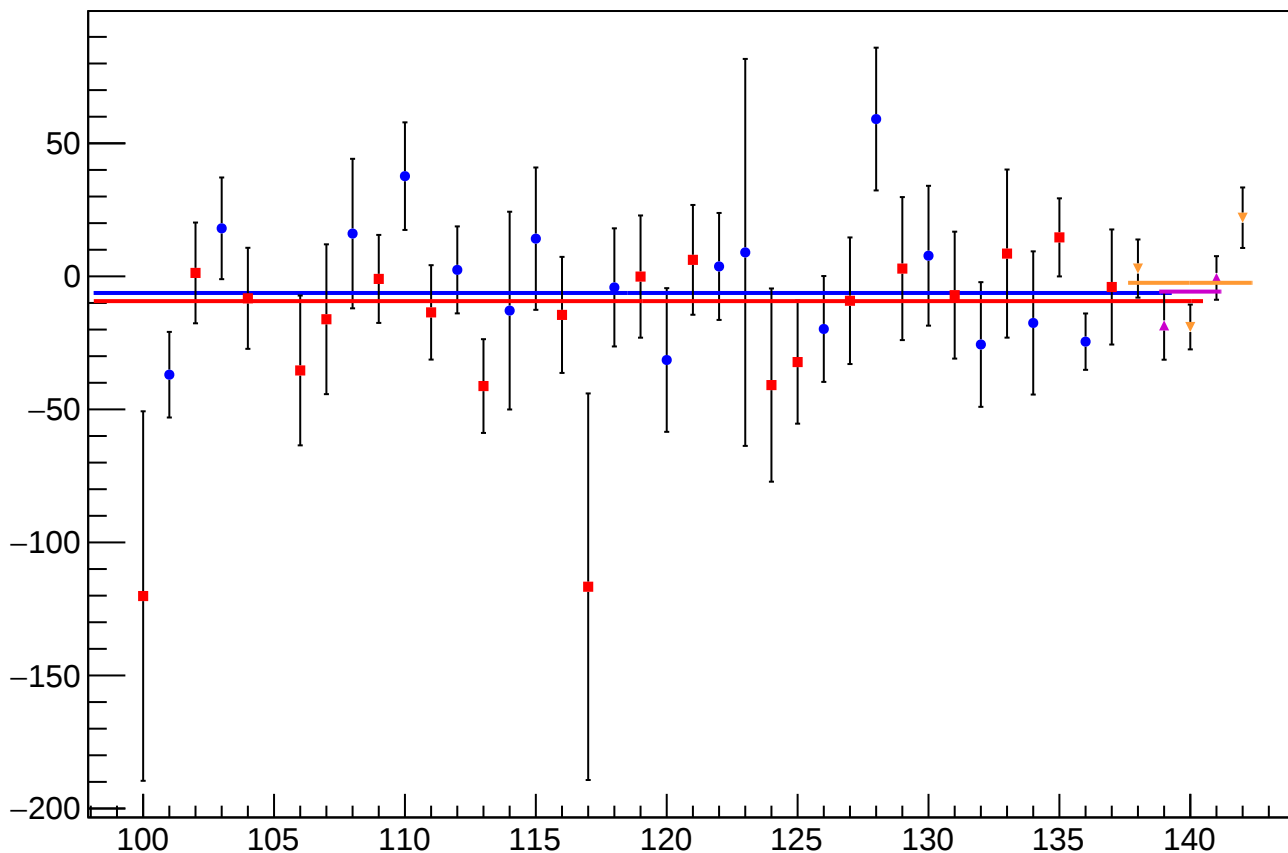
Right Out: 7621.652 ± 2.074 χ^2/NDF : 697548.6/19

Left In: 6107.832 ± 3.528 χ^2/NDF : 41086.6/1

7423.992 ± 1.827 χ^2/NDF : 835191.1/19

7232.915 ± 1.788 χ^2/NDF : 875442.0/21

diff_bpm4eX_mean vs Slug



Right In: -6.244 ± 5.017 $\chi^2/\text{NDF}: 23.2/16$

Left Out: -2.427 ± 5.753 $\chi^2/\text{NDF}: 8.8/2$

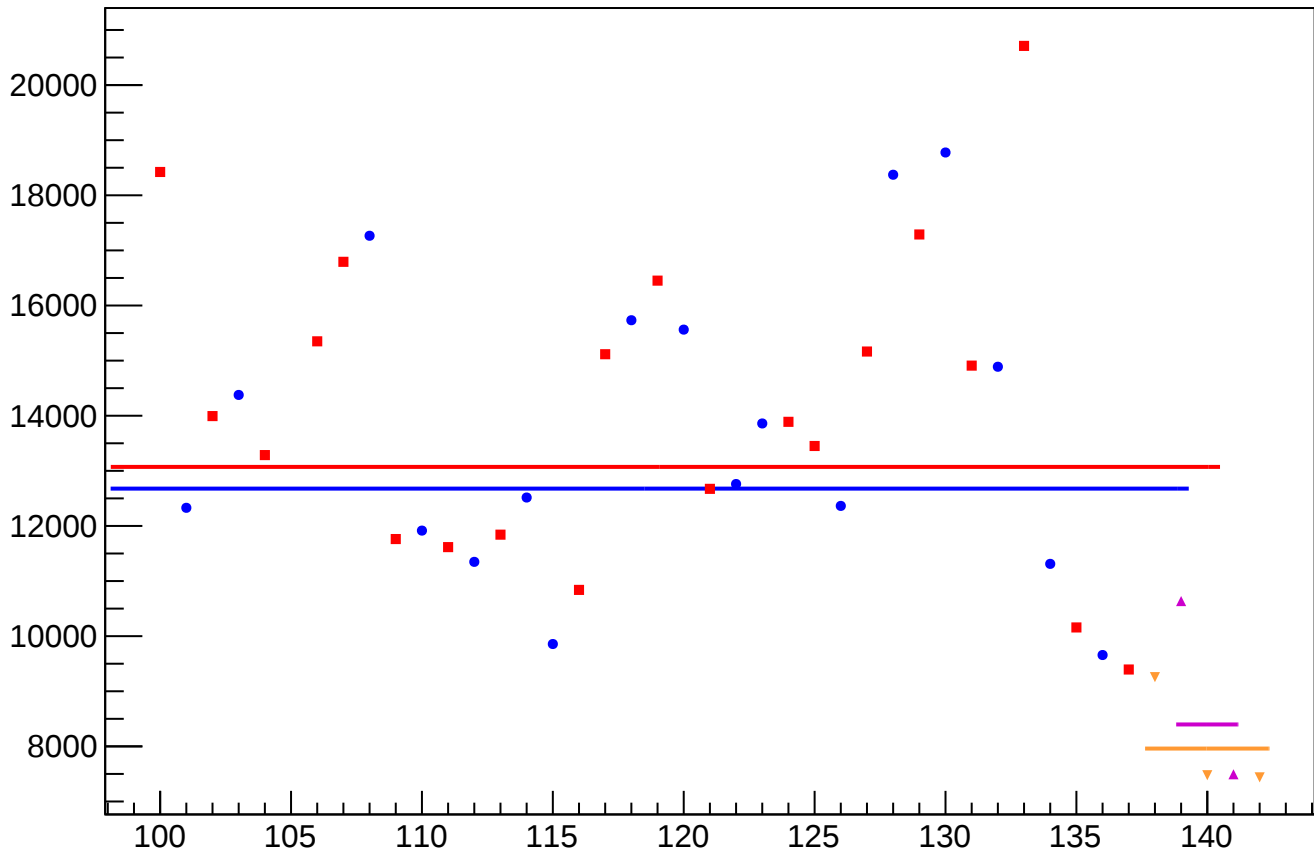
Right Out: -9.310 ± 4.987 $\chi^2/\text{NDF}: 15.3/19$

Left In: -5.732 ± 6.915 $\chi^2/\text{NDF}: 1.4/1$

-4.595 ± 3.781 $\chi^2/\text{NDF}: 32.2/19$

-8.086 ± 4.045 $\chi^2/\text{NDF}: 16.9/21$

diff_bpm4eX_rms vs Slug



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

Left Out: 7960.347 ± 4.068 χ^2/NDF : 38965.7/2

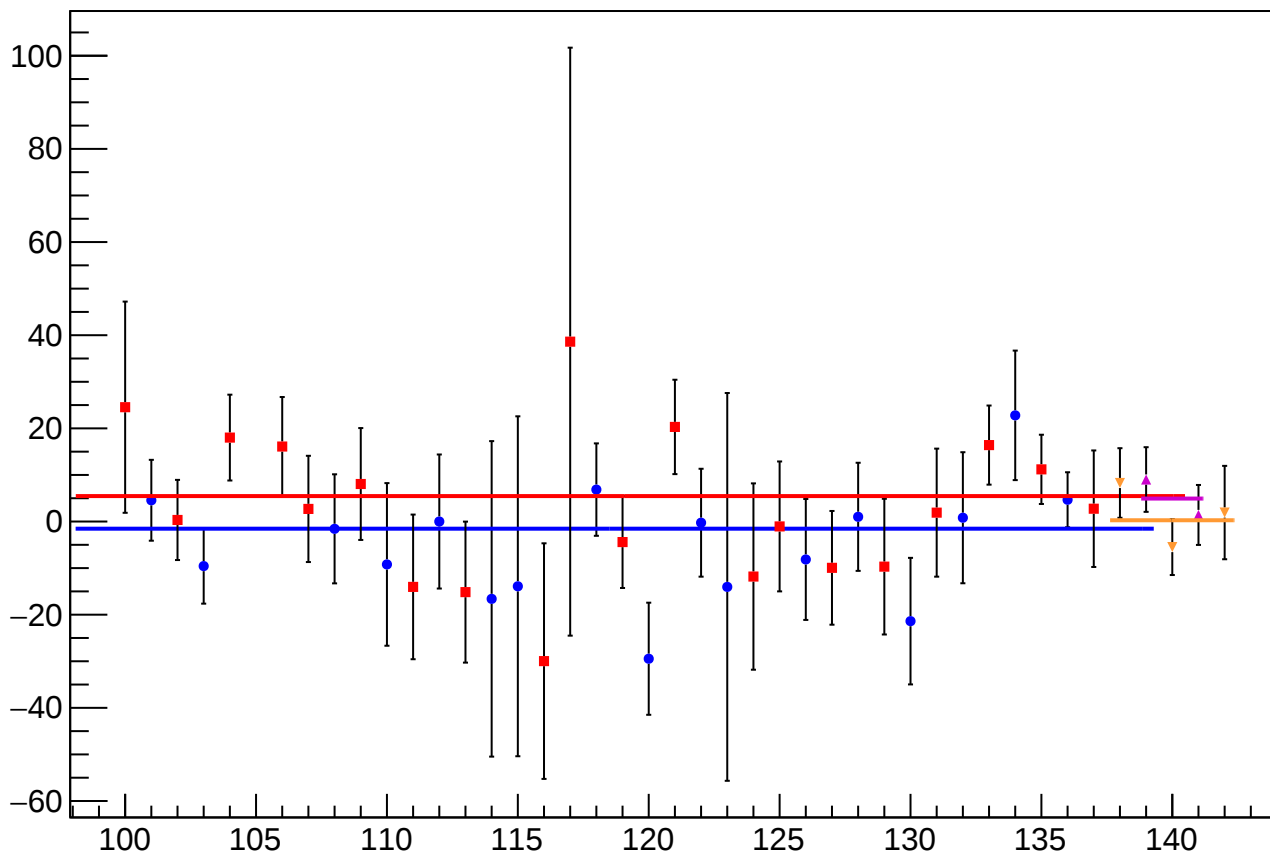
Right Out: 13071.522 ± 3.527 χ^2/NDF : 499021.5/19

Left In: 8397.782 ± 4.890 χ^2/NDF : 84640.6/1

10639.614 ± 2.674 χ^2/NDF : 1356312.1/19

11472.314 ± 2.860 χ^2/NDF : 1184607.4/21

diff_bpm4eY_mean vs Slug



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

Left Out: 0.273 ± 4.240 χ^2/NDF : 2.1/2

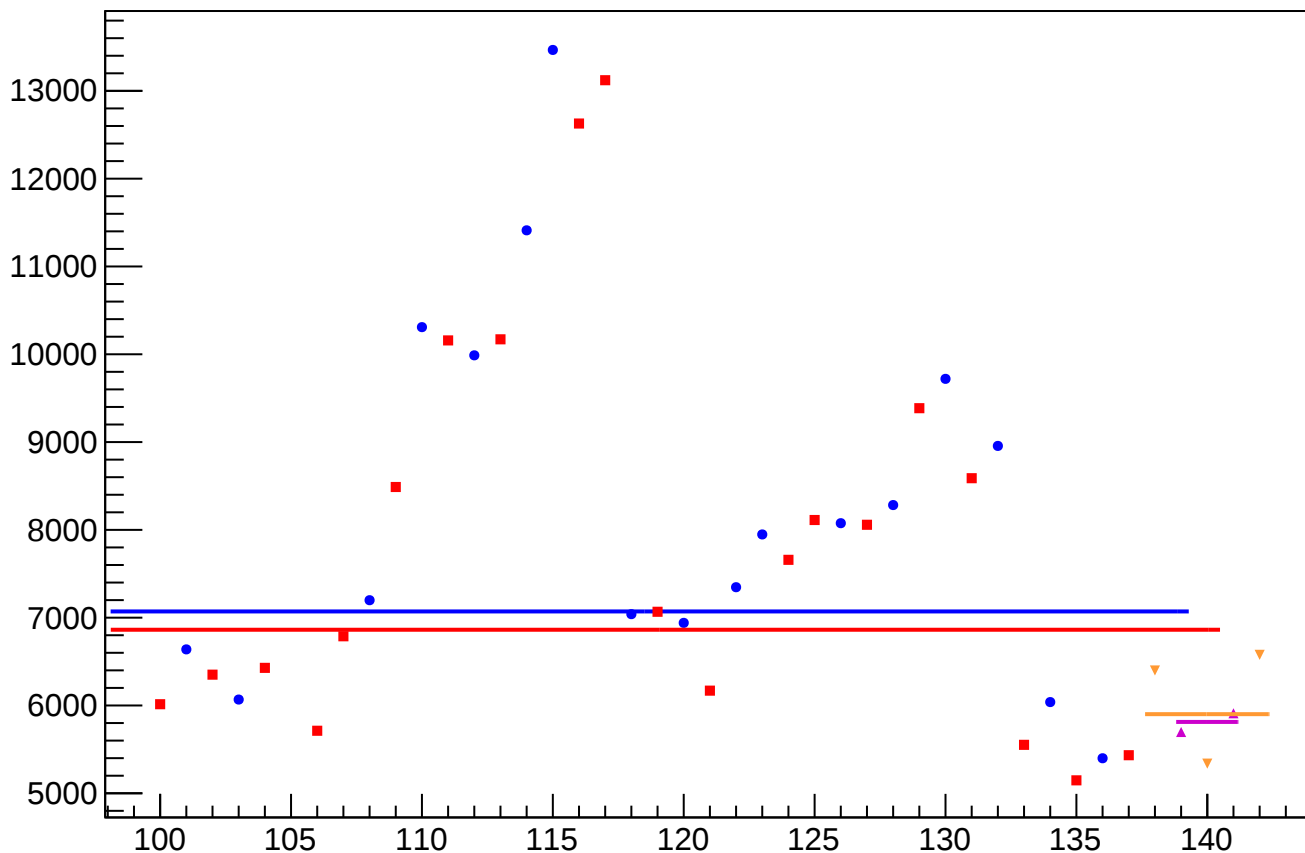
Right Out: 5.463 ± 2.637 χ^2/NDF : 18.9/19

Left In: 4.930 ± 4.719 χ^2/NDF : 0.6/1

-0.990 ± 2.331 χ^2/NDF : 17.1/19

5.336 ± 2.302 χ^2/NDF : 19.5/21

diff_bpm4eY_rms vs Slug



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

Left Out: 5901.102+/-2.998 χ^2/NDF : 35577.2/2

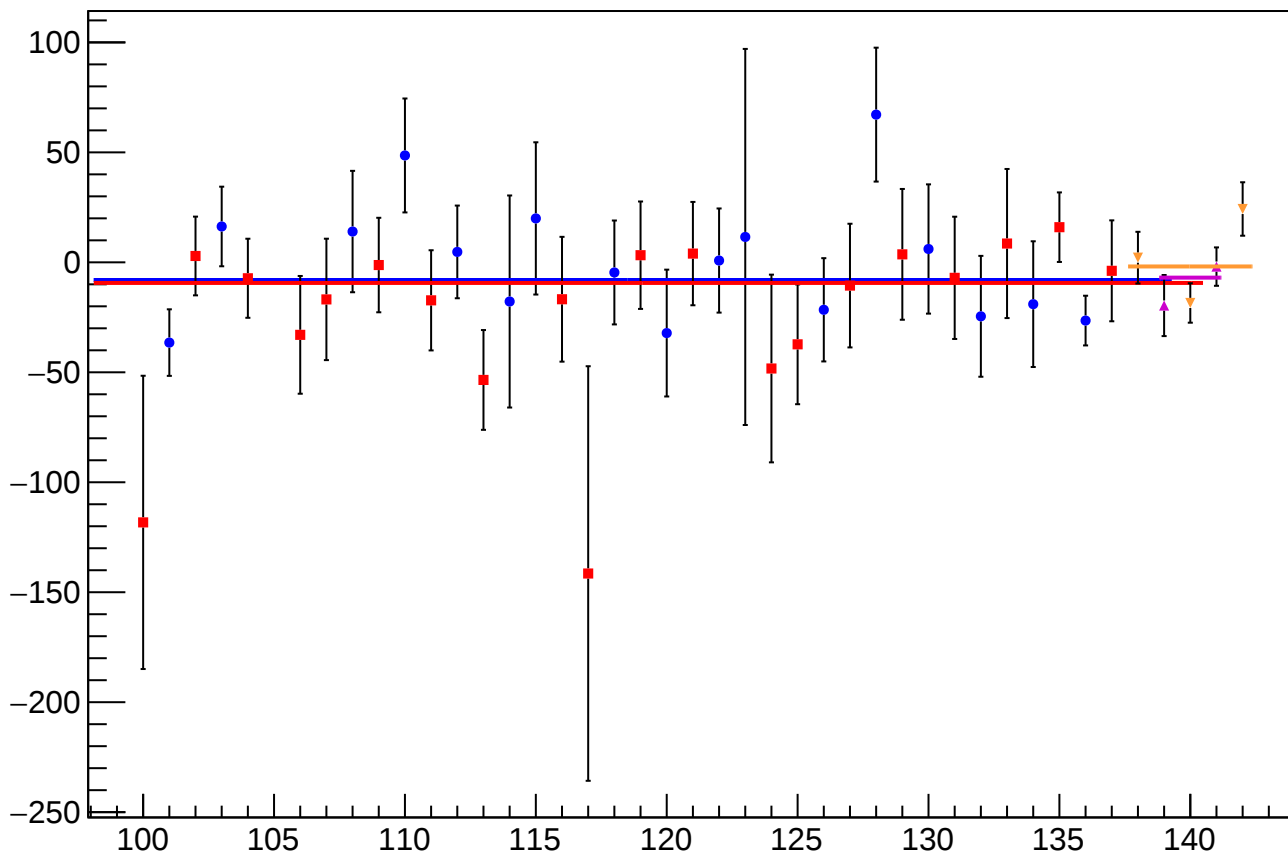
Right Out: 6862.551+/-1.865 χ^2/NDF : 704099.3/19

Left In: 5812.635+/-3.337 χ^2/NDF : 1012.8/1

6717.480+/-1.648 χ^2/NDF : 742577.1/19

6612.694+/-1.628 χ^2/NDF : 780543.1/21

diff_bpm4acX_mean vs Slug



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

Left Out: -1.881 ± 6.151 χ^2/NDF : 8.2/2

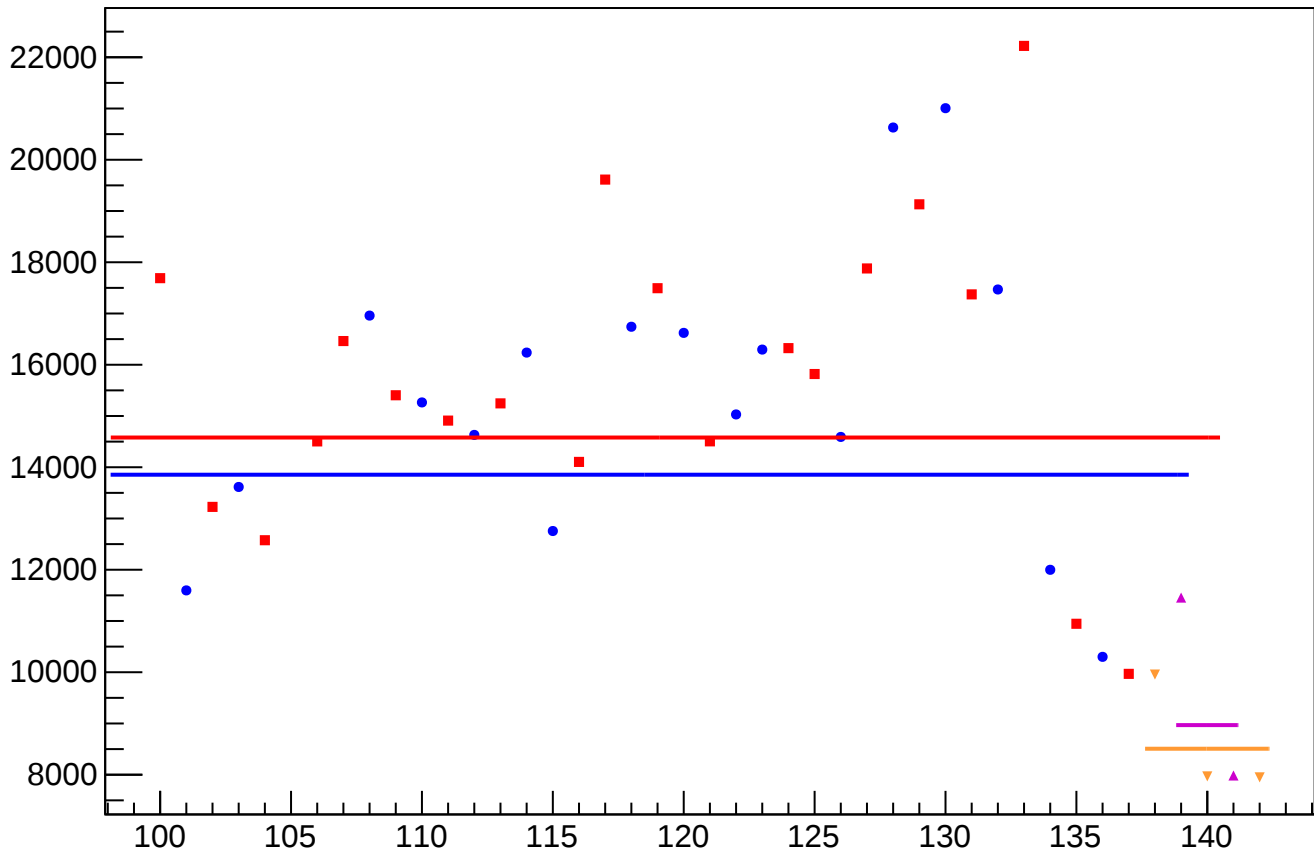
Right Out: -9.368 ± 5.556 χ^2/NDF : 15.7/19

Left In: -6.961 ± 7.391 χ^2/NDF : 1.2/1

-5.303 ± 4.099 χ^2/NDF : 31.3/19

-8.499 ± 4.441 χ^2/NDF : 16.9/21

diff_bpm4acX_rms vs Slug



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

Left Out: 8507.259+/-4.349 χ^2/NDF : 41813.7/2

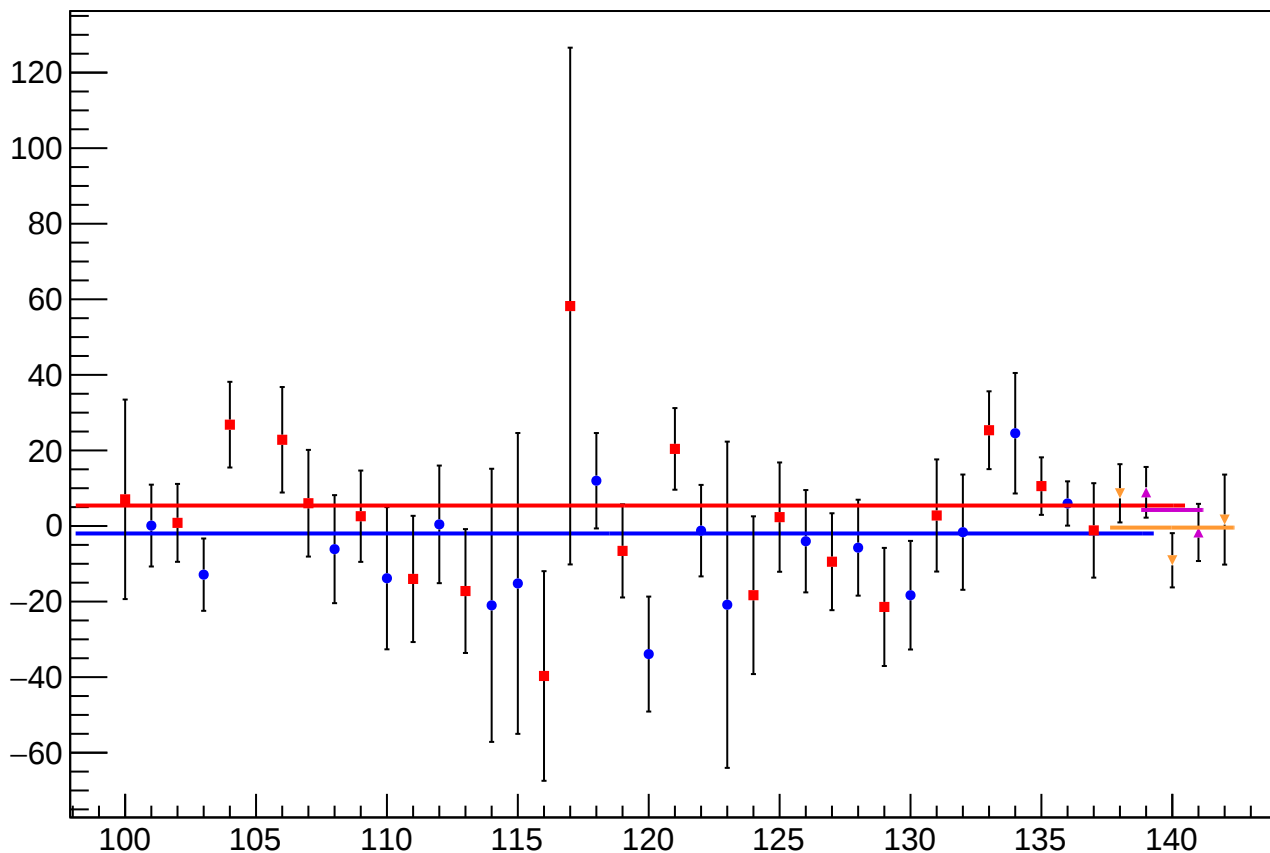
Right Out: 14579.863+/-3.929 χ^2/NDF : 480003.4/19

Left In: 8968.261+/-5.227 χ^2/NDF : 89575.9/1

11479.803+/-2.898 χ^2/NDF : 1482957.3/19

12553.659+/-3.141 χ^2/NDF : 1306124.9/21

diff_bpm4acY_mean vs Slug



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

Left Out: -0.423 ± 4.807 χ^2/NDF : 2.9/2

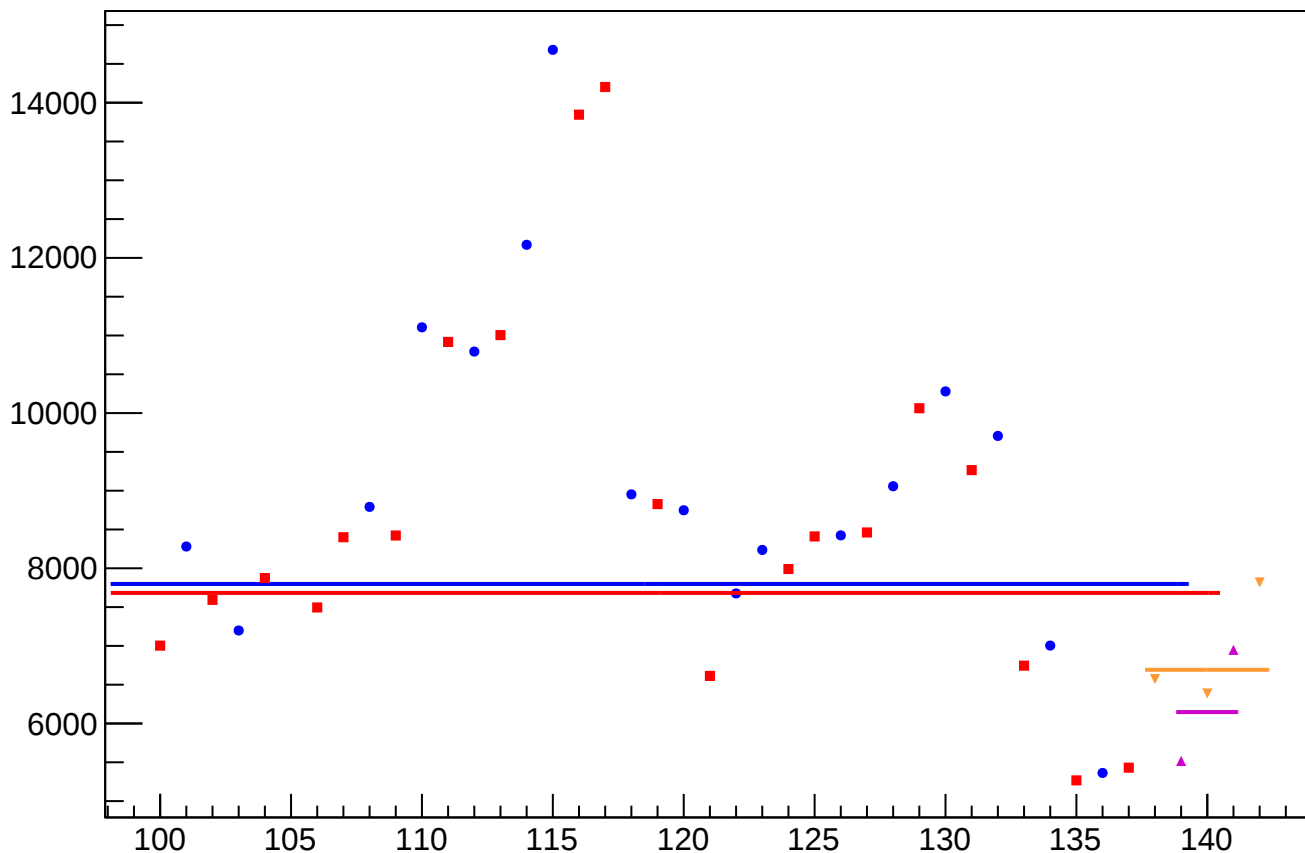
Right Out: 5.417 ± 2.956 χ^2/NDF : 24.9/19

Left In: 4.242 ± 5.021 χ^2/NDF : 1.1/1

-1.522 ± 2.602 χ^2/NDF : 17.0/19

5.115 ± 2.547 χ^2/NDF : 26.0/21

diff_bpm4acY_rms vs Slug



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

Left Out: 6692.083 ± 3.399 χ^2/NDF : 21951.7/2

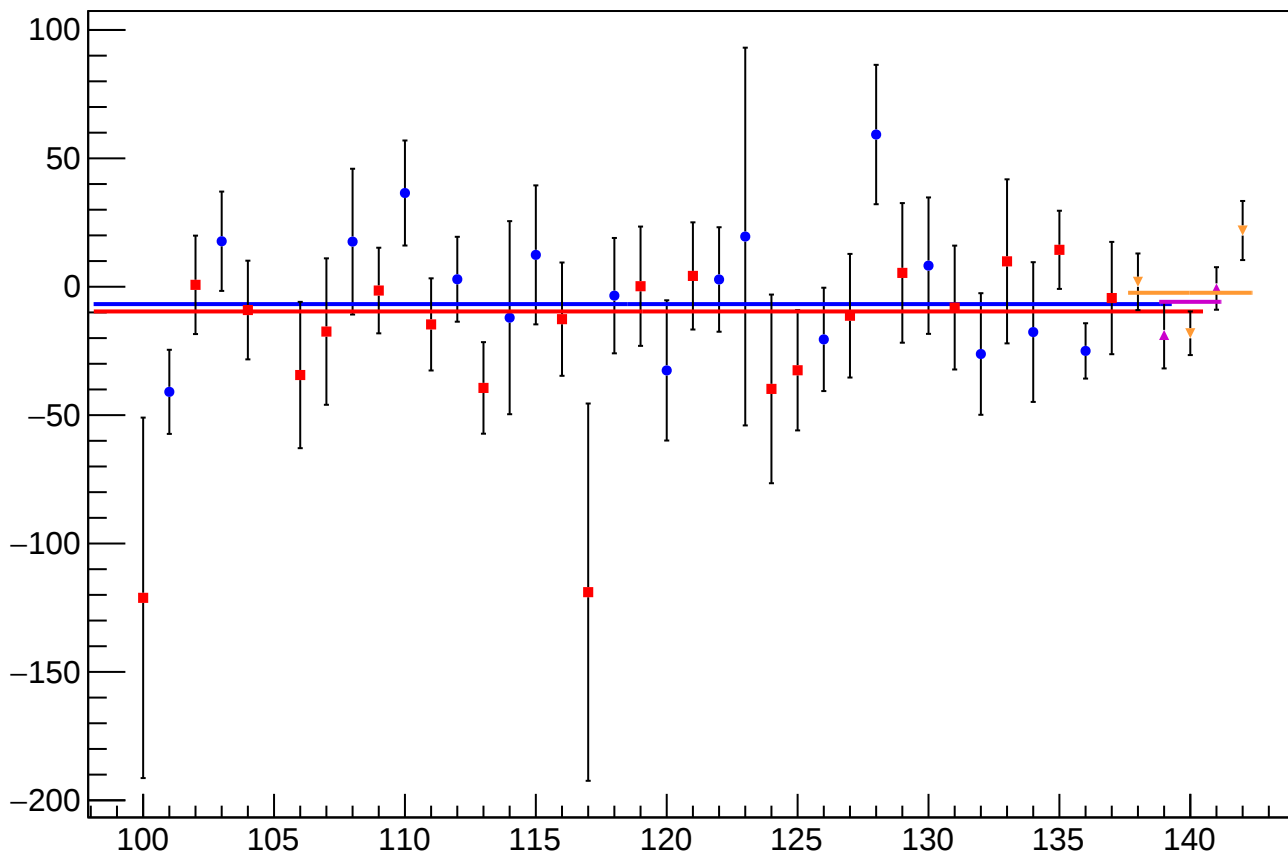
Right Out: 7682.786 ± 2.090 χ^2/NDF : 690901.2/19

Left In: 6147.400 ± 3.550 χ^2/NDF : 40071.8/1

7474.246 ± 1.840 χ^2/NDF : 833121.5/19

7287.623 ± 1.801 χ^2/NDF : 869869.5/21

diff_bpm4ecX_mean vs Slug



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

Left Out: -2.348 ± 5.810 χ^2/NDF : 8.0/2

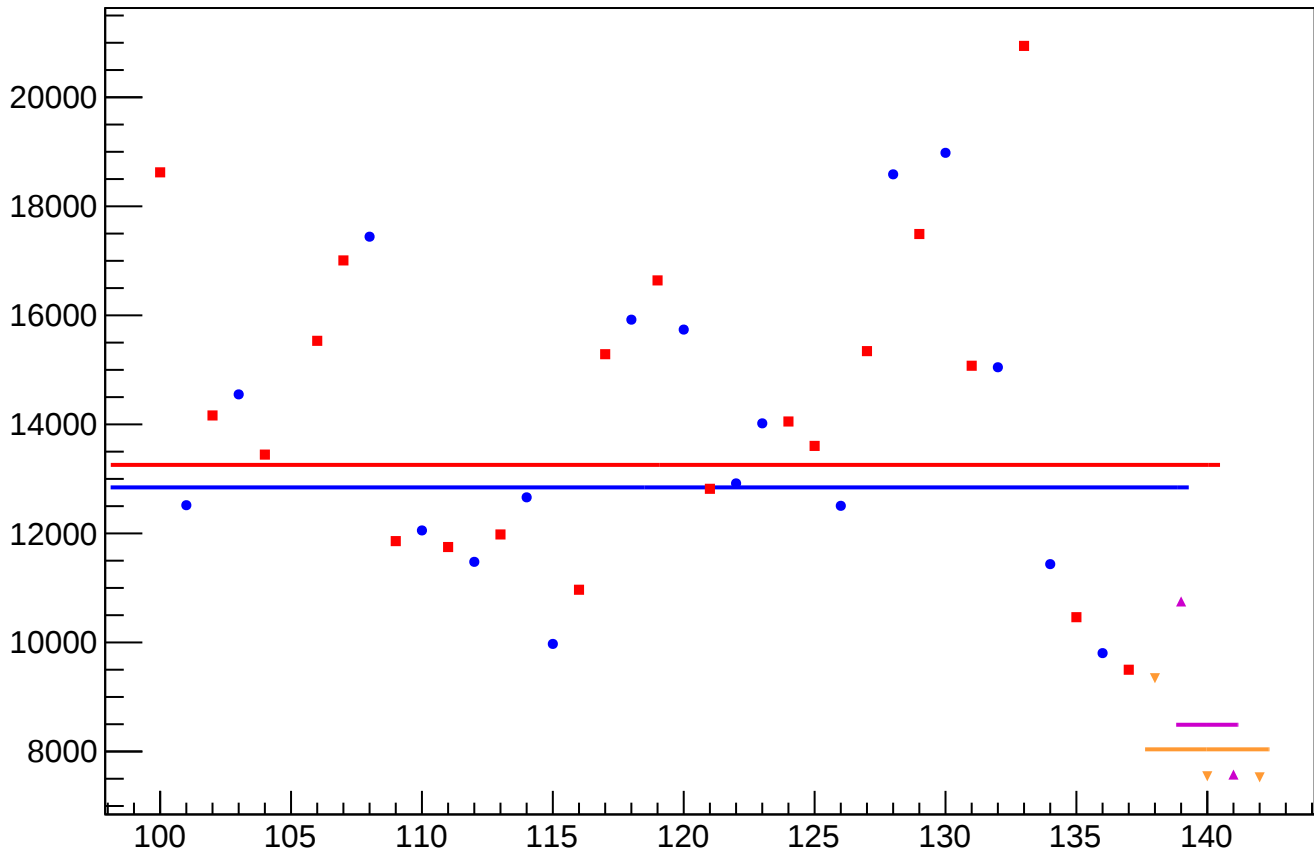
Right Out: -9.622 ± 5.058 χ^2/NDF : 14.5/19

Left In: -5.875 ± 6.991 χ^2/NDF : 1.4/1

-4.846 ± 3.826 χ^2/NDF : 32.1/19

-8.335 ± 4.098 χ^2/NDF : 16.0/21

diff_bpm4ecX_rms vs Slug



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

Left Out: 8039.339 ± 4.108 χ^2/NDF : 38758.5/2

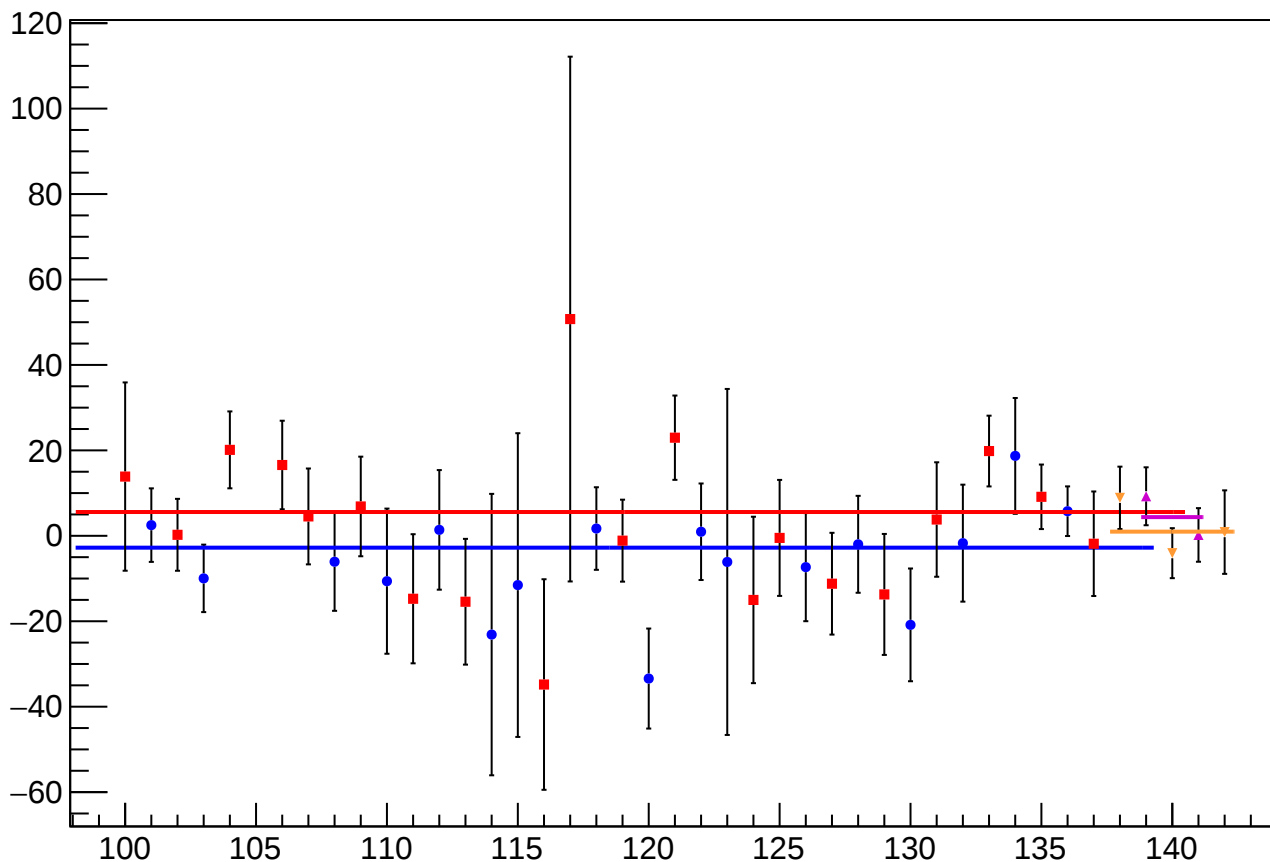
Right Out: 13256.926 ± 3.577 χ^2/NDF : 487016.8/19

Left In: 8490.187 ± 4.944 χ^2/NDF : 84566.9/1

10760.328 ± 2.706 χ^2/NDF : 1360647.8/19

11619.008 ± 2.898 χ^2/NDF : 1181837.6/21

diff_bpm4ecY_mean vs Slug



Right In: -2.774 ± 2.732 $\chi^2/\text{NDF}: 15.9/16$

Left Out: 0.976 ± 4.137 $\chi^2/\text{NDF}: 1.9/2$

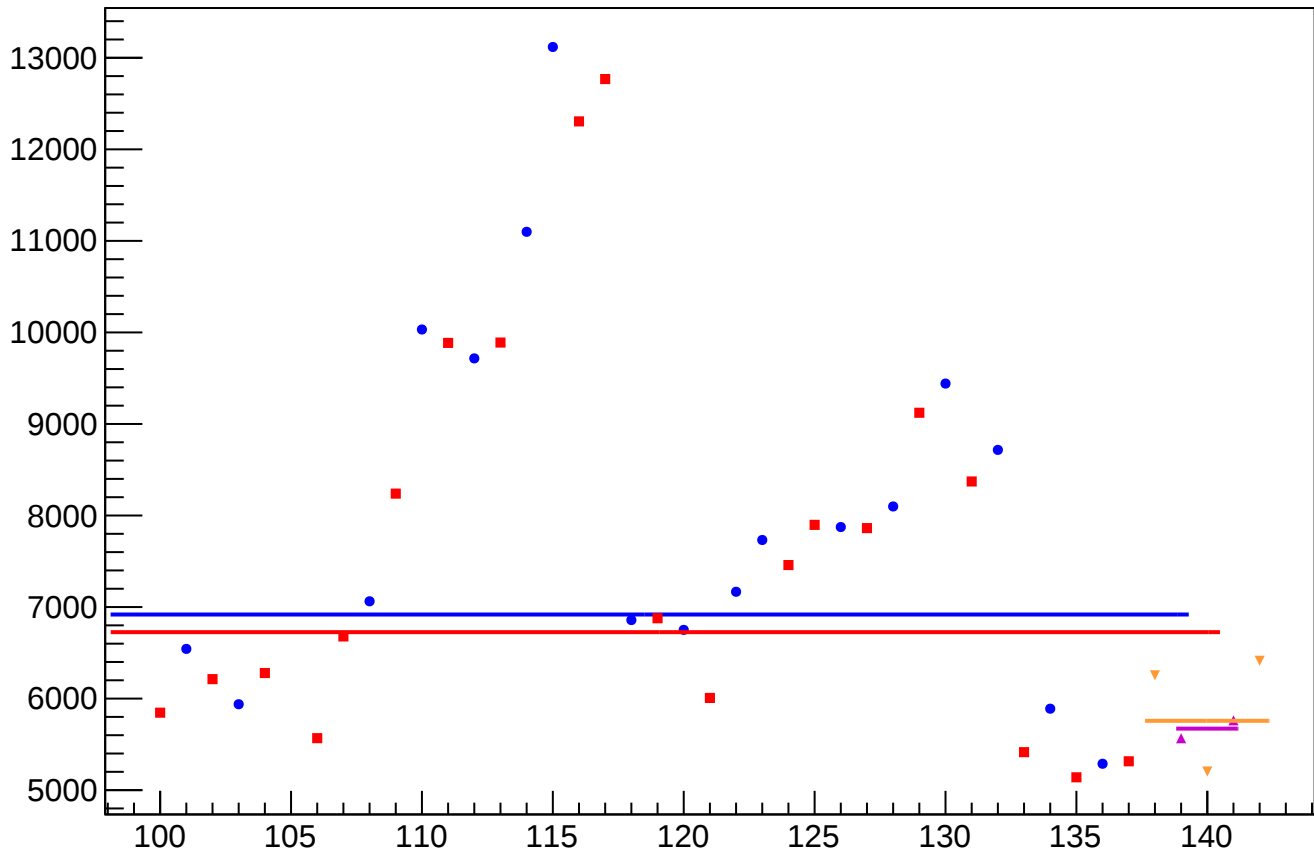
Right Out: 5.571 ± 2.585 $\chi^2/\text{NDF}: 23.7/19$

Left In: 4.379 ± 4.605 $\chi^2/\text{NDF}: 1.0/1$

-1.636 ± 2.280 $\chi^2/\text{NDF}: 18.4/19$

5.285 ± 2.254 $\chi^2/\text{NDF}: 24.7/21$

diff_bpm4ecY_rms vs Slug



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

Left Out: 5757.329+/-2.925 χ^2/NDF : 36201.4/2

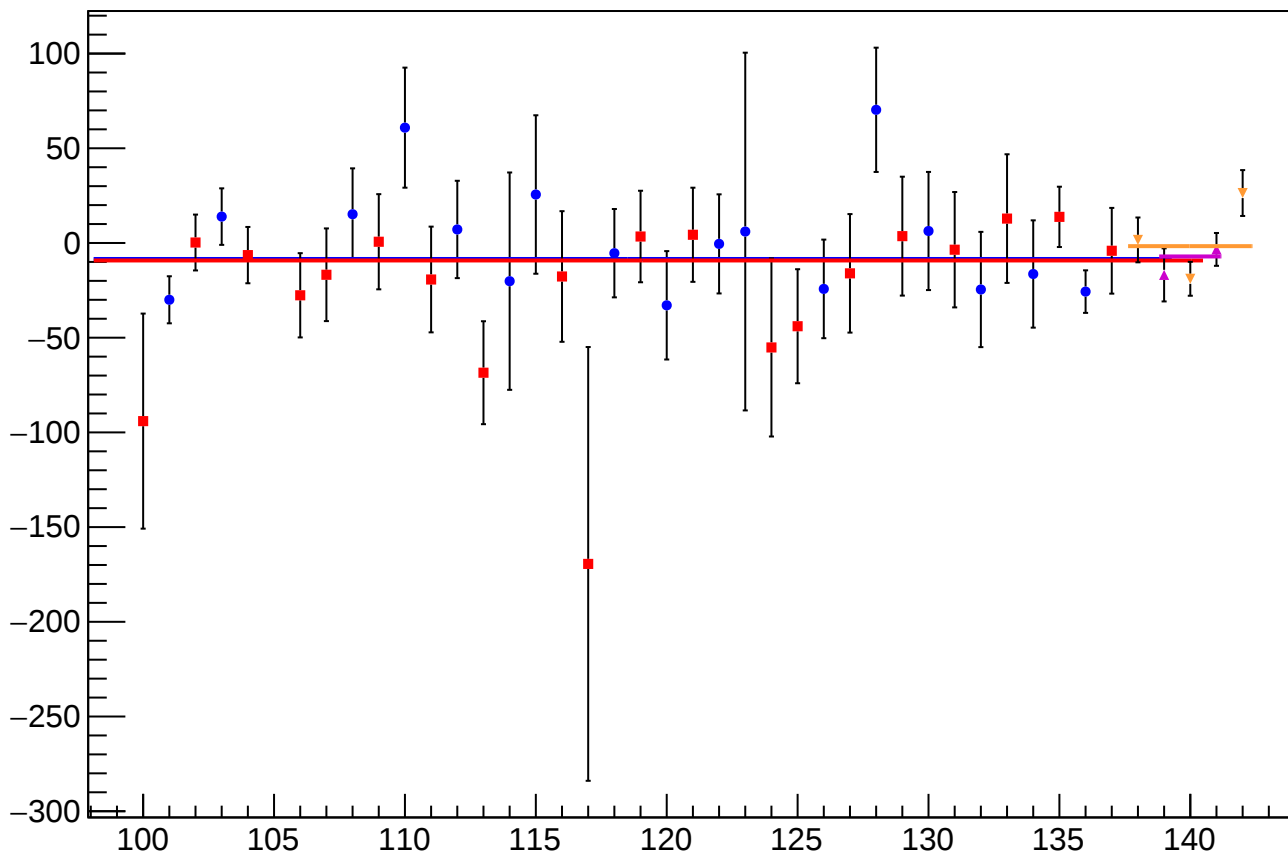
6565.946+/-1.612 χ^2/NDF : 732954.8/19

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

6473.291+/-1.594 χ^2/NDF : 755898.6/21

Left In: 5672.116+/-3.256 χ^2/NDF : 895.6/1

diff_bpm1X_mean vs Slug



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

Left Out: -1.675+/-6.150 χ^2/NDF : 9.1/2

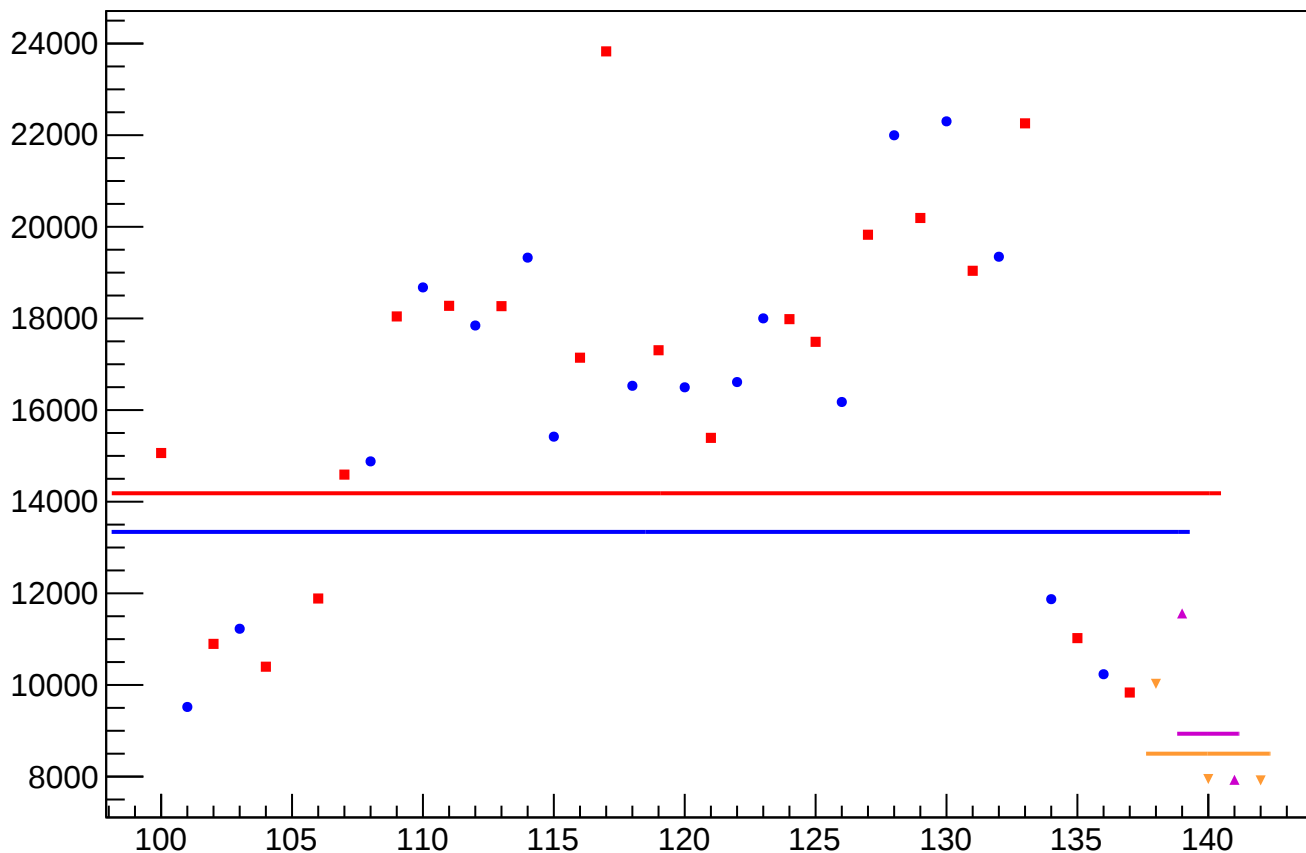
Right Out: -9.224+/-5.502 χ^2/NDF : 16.2/19

Left In: -7.113+/-7.374 χ^2/NDF : 0.7/1

-5.504+/-4.055 χ^2/NDF : 31.8/19

-8.469+/-4.410 χ^2/NDF : 16.9/21

diff_bpm1X_rms vs Slug



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

Left Out: 8500.416+/-4.348 χ^2/NDF : 45496.4/2

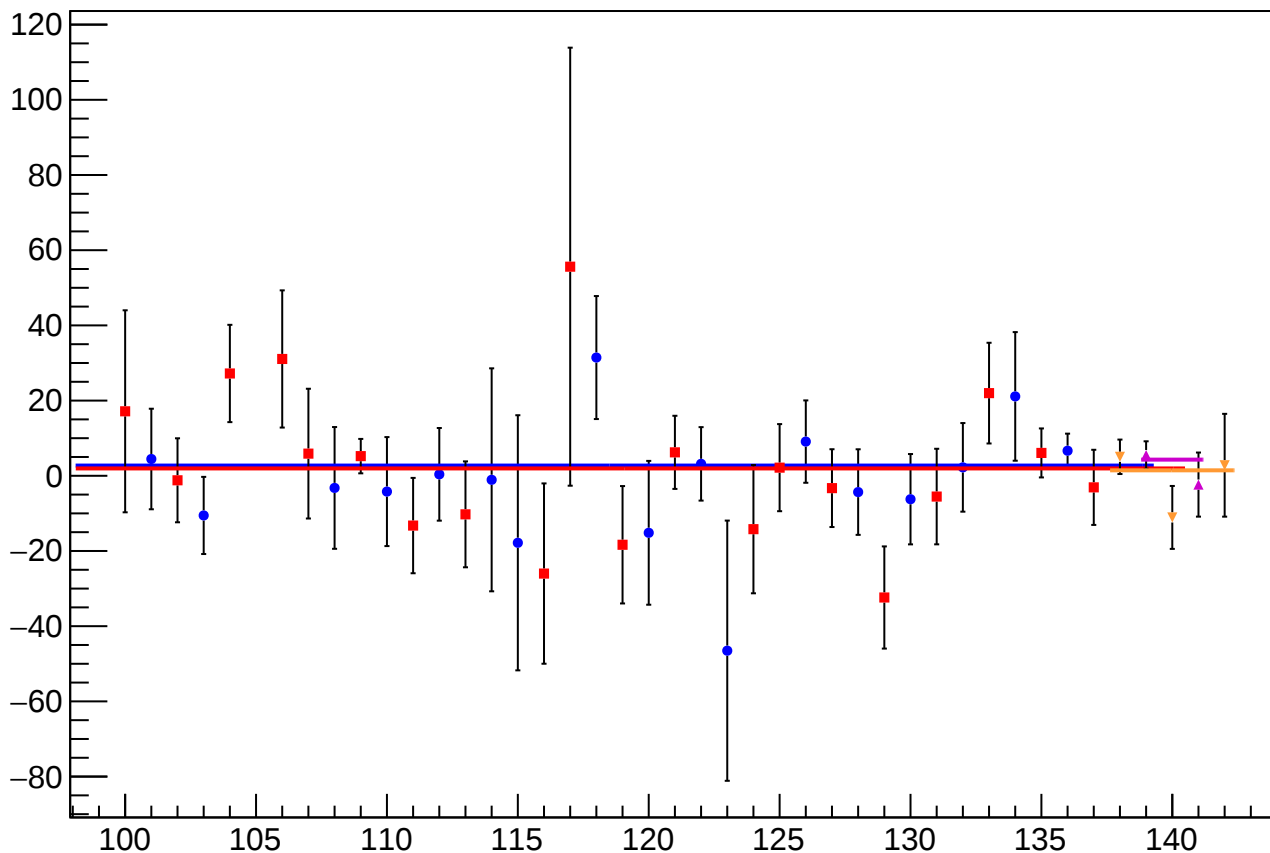
Right Out: 14184.146+/-3.891 χ^2/NDF : 946010.4/19

Left In: 8935.574+/-5.214 χ^2/NDF : 97075.5/1

11236.671+/-2.867 χ^2/NDF : 1790516.7/19

12307.226+/-3.118 χ^2/NDF : 1693927.8/21

diff_bpm1Y_mean vs Slug



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

Left Out: 1.452 ± 3.855 χ^2/NDF : 2.9/2

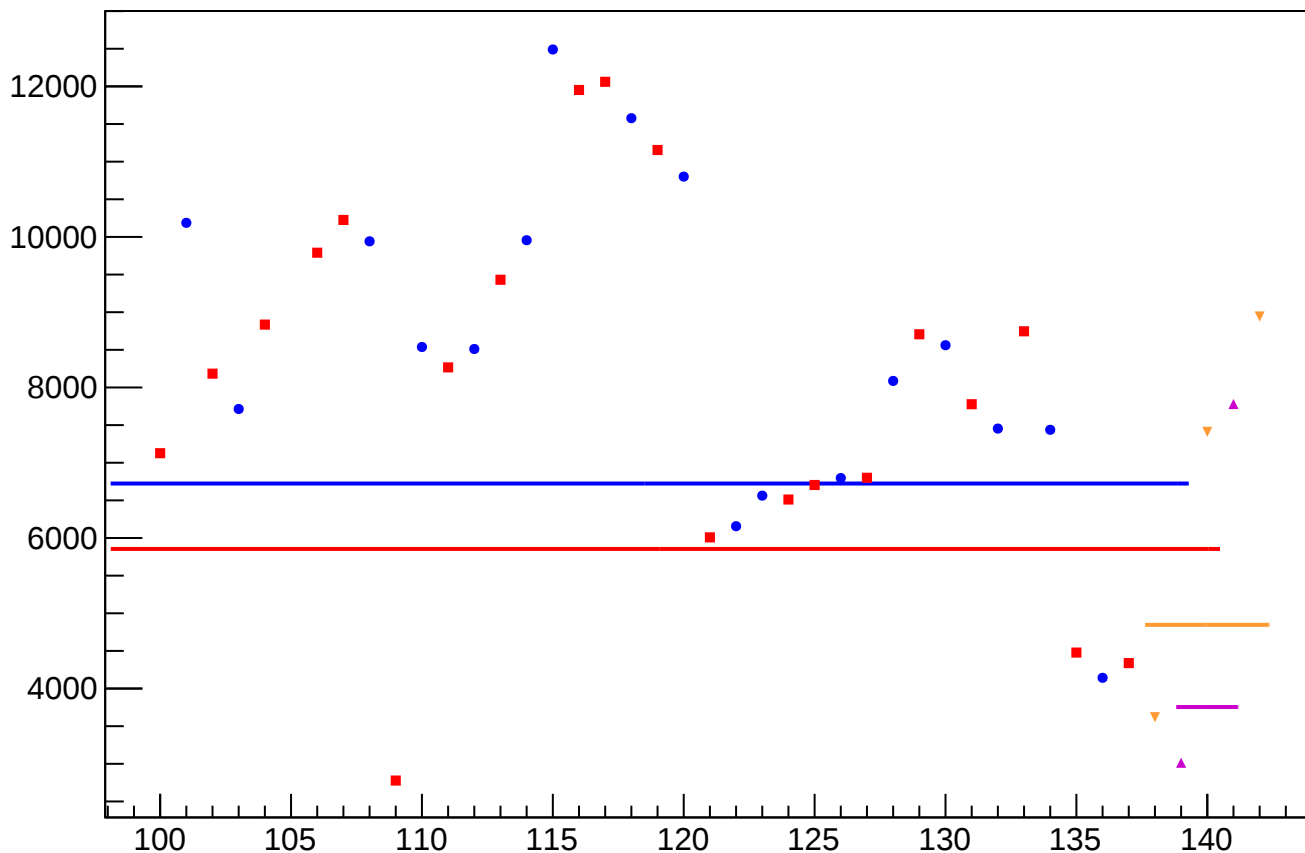
Right Out: 1.955 ± 2.437 χ^2/NDF : 24.4/19

Left In: 4.297 ± 3.359 χ^2/NDF : 0.7/1

2.290 ± 2.240 χ^2/NDF : 14.6/19

2.763 ± 1.973 χ^2/NDF : 25.4/21

diff_bpm1Y_rms vs Slug



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

Left Out: 4846.636+/-2.726 χ^2/NDF : 510833.1/2

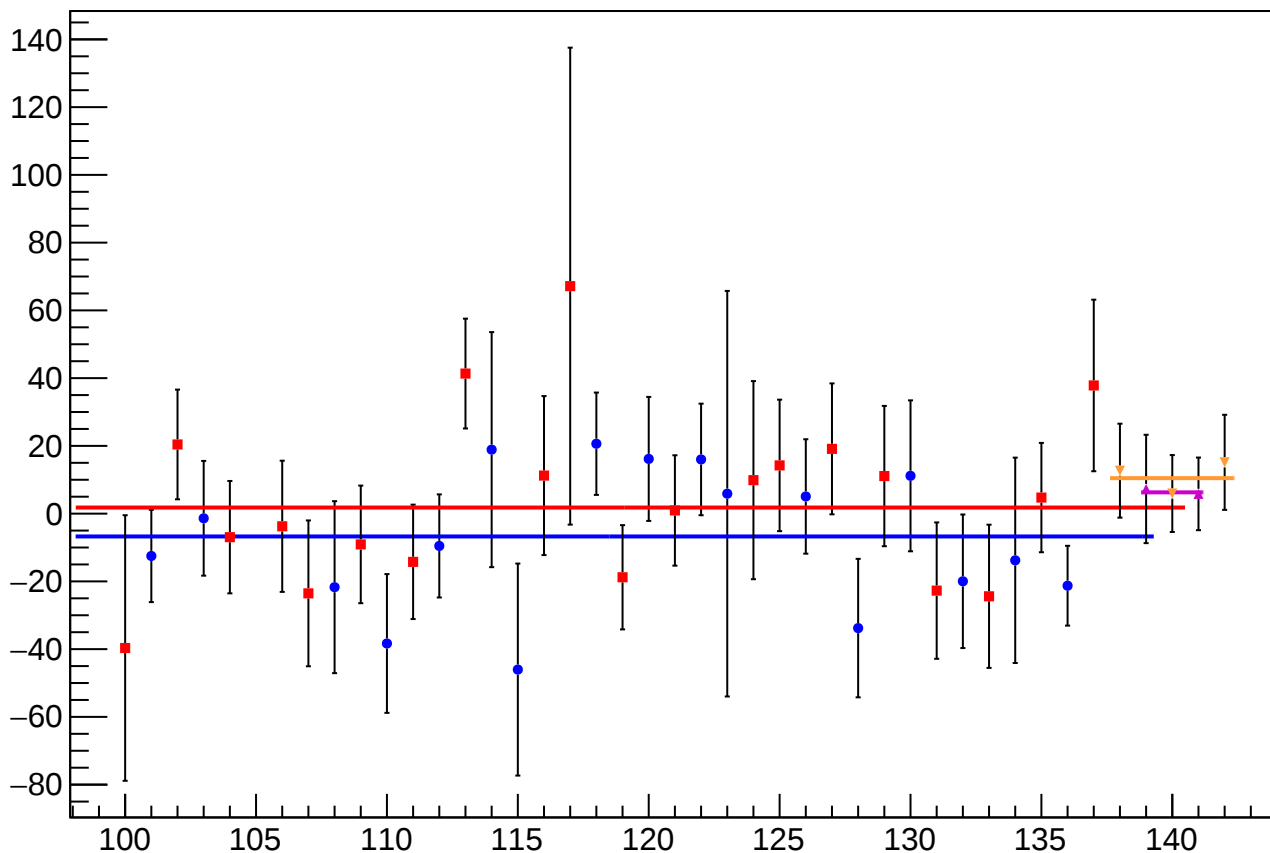
Right Out: 5854.708+/-1.723 χ^2/NDF : 2299964.9/19

Left In: 3754.554+/-2.375 χ^2/NDF : 528049.8/1

6090.043+/-1.584 χ^2/NDF : 2217100.3/19

5130.689+/-1.395 χ^2/NDF : 3340173.4/21

diff_bpm11X_mean vs Slug



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

Left Out: 10.475+/-7.445 χ^2 /NDF:0.3/2

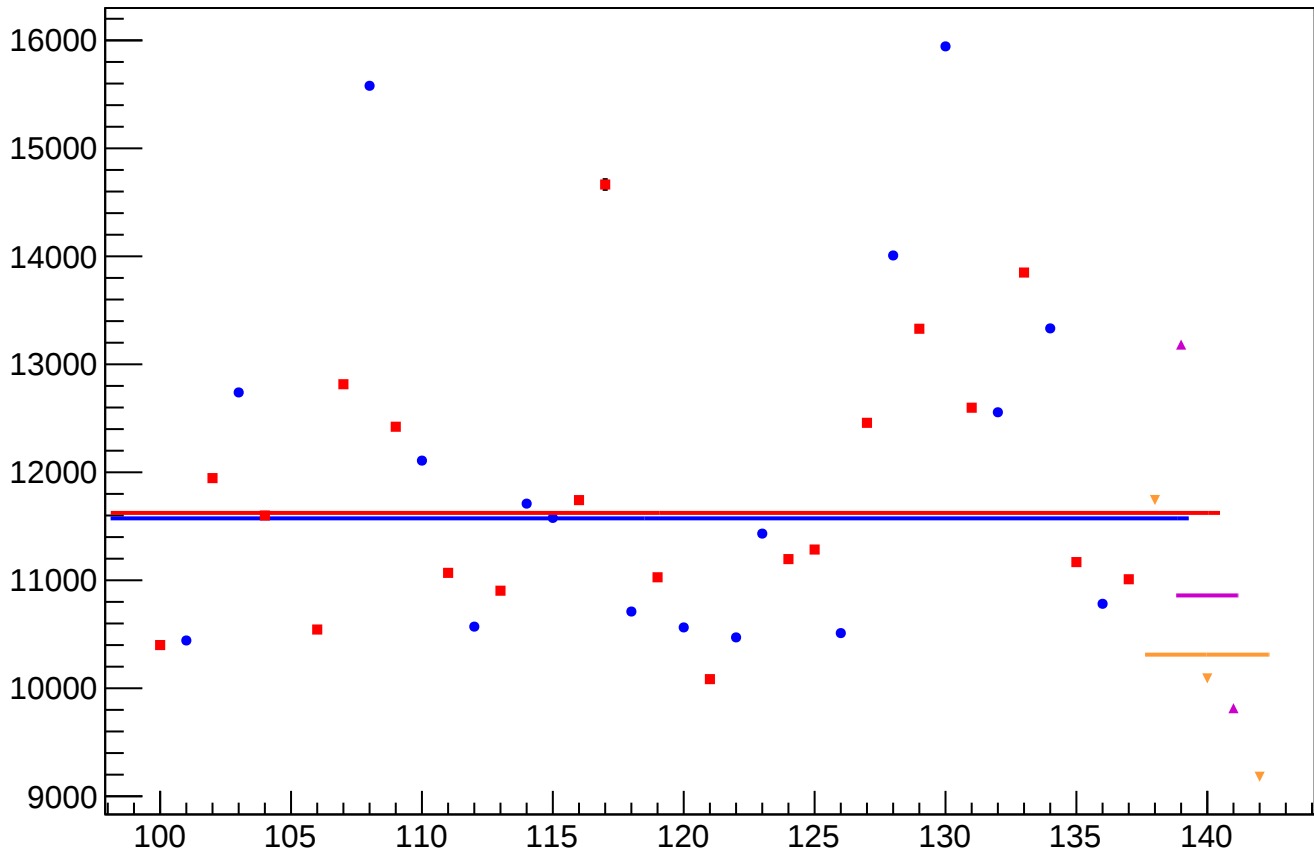
Right Out: 1.802+/-4.364 χ^2 /NDF: 20.8/19

Left In: 6.285+/-8.905 χ^2 /NDF:0.0/1

-2.112+/-3.859 χ^2 /NDF: 21.1/19

2.670+/-3.919 χ^2 /NDF: 21.0/21

diff_bpm11X_rms vs Slug



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

Left Out: 10311.435+/-5.264 χ^2/NDF : 35064.1/2

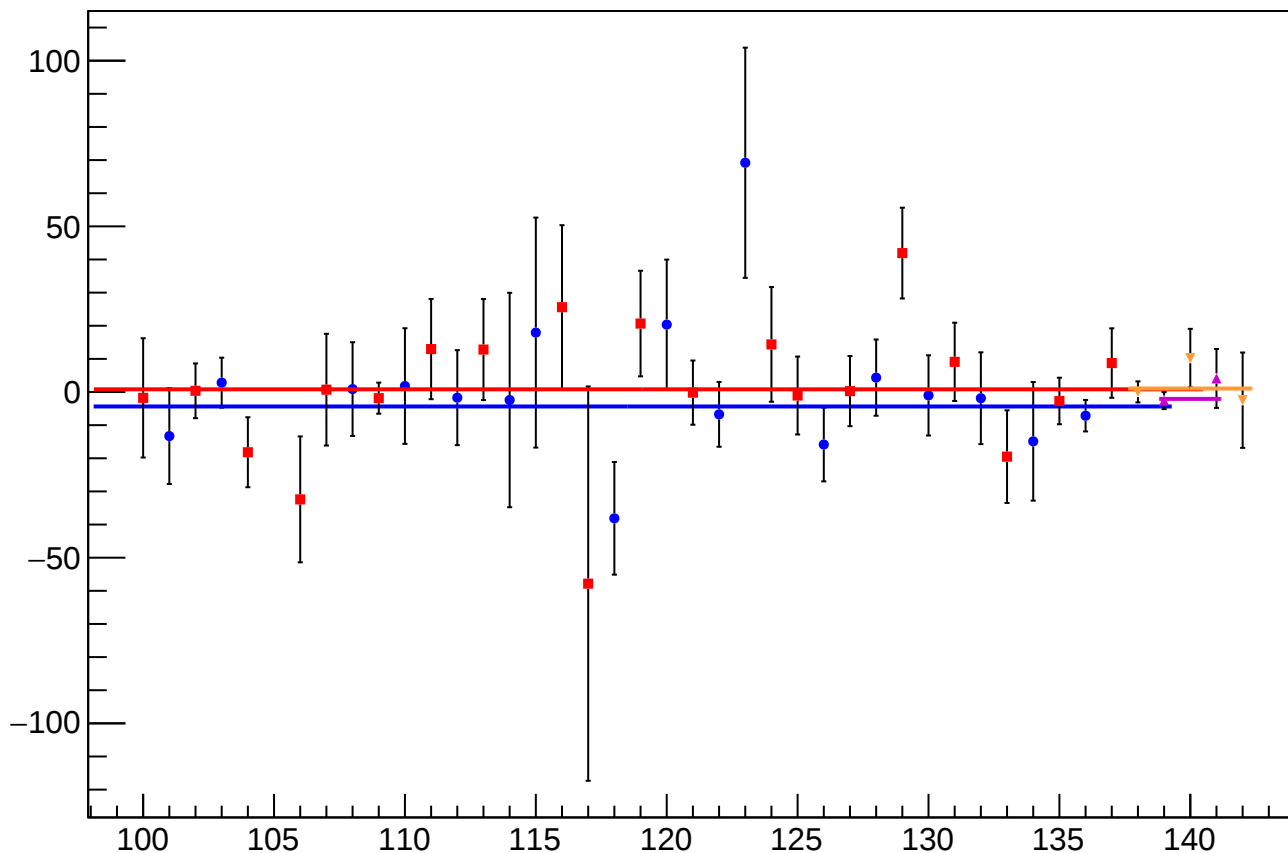
Right Out: 11623.951+/-3.086 χ^2/NDF : 98055.0/19

Left In: 10859.701+/-6.297 χ^2/NDF : 61172.4/1

11234.375+/-2.729 χ^2/NDF : 315827.1/19

11475.967+/-2.771 χ^2/NDF : 171104.8/21

diff_bpm11Y_mean vs Slug



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

Left Out: 1.054 ± 2.928 χ^2/NDF : 1.2/2

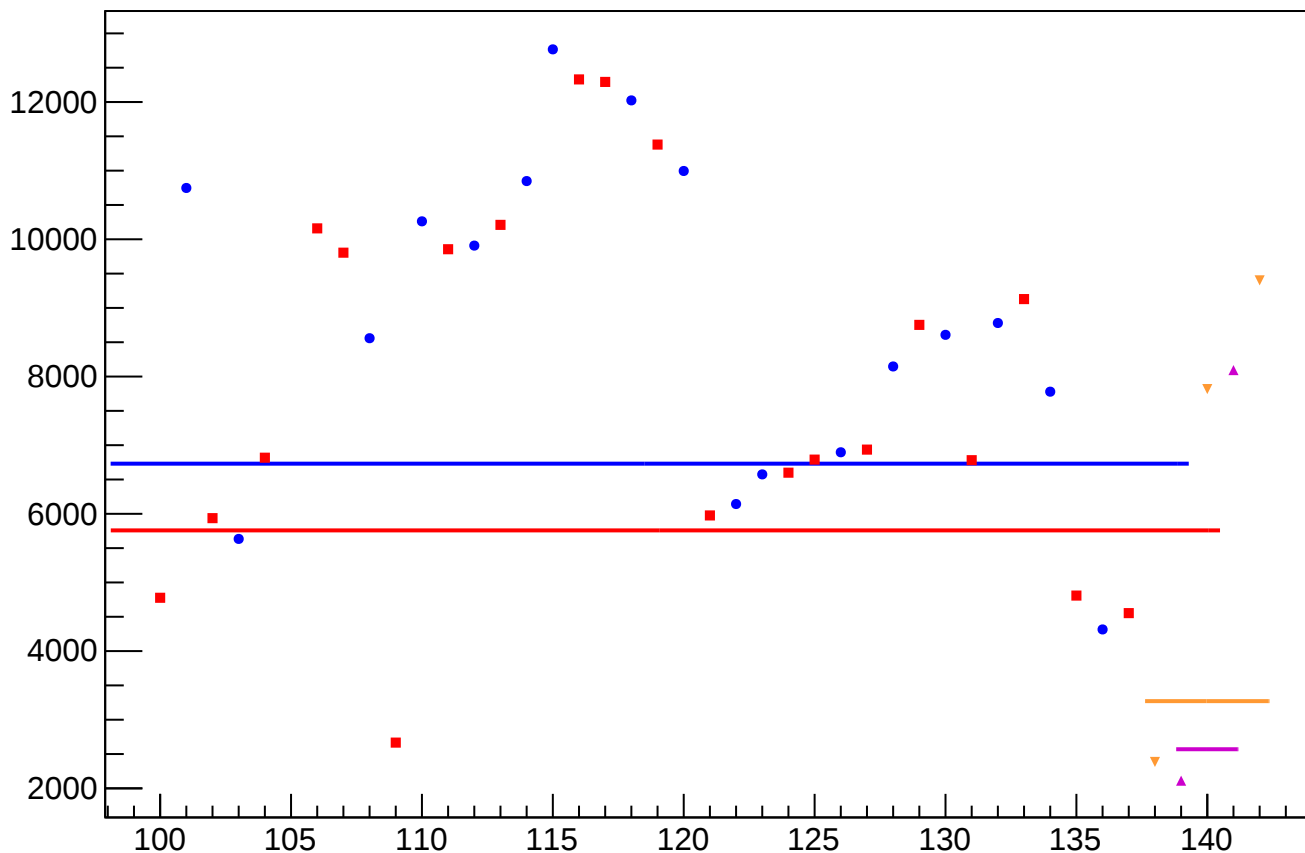
Right Out: 0.816 ± 2.424 χ^2/NDF : 24.5/19

Left In: -2.074 ± 2.461 χ^2/NDF : 0.5/1

-1.797 ± 2.015 χ^2/NDF : 17.6/19

-0.607 ± 1.727 χ^2/NDF : 25.7/21

diff_bpm11Y_rms vs Slug



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

Left Out: 3270.799+/-2.070 χ^2/NDF : 1047253.2/2

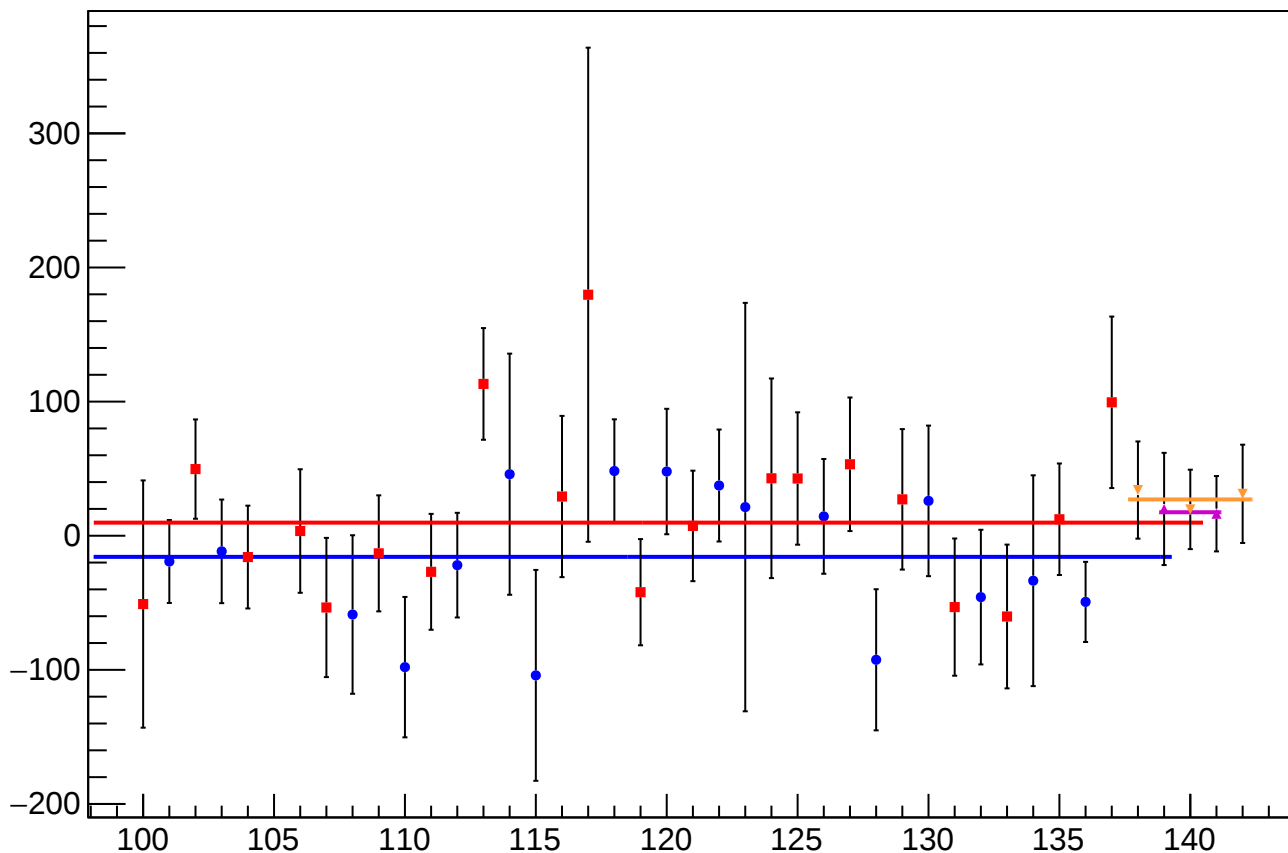
Right Out: 5758.506+/-1.714 χ^2/NDF : 2186395.0/19

Left In: 2569.908+/-1.740 χ^2/NDF : 835522.3/1

5092.569+/-1.424 χ^2/NDF : 3963210.7/19

4188.330+/-1.221 χ^2/NDF : 4725981.0/21

diff_bpm12X_mean vs Slug



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

Left Out: 27.047 ± 19.442 $\chi^2/\text{NDF}: 0.1/2$

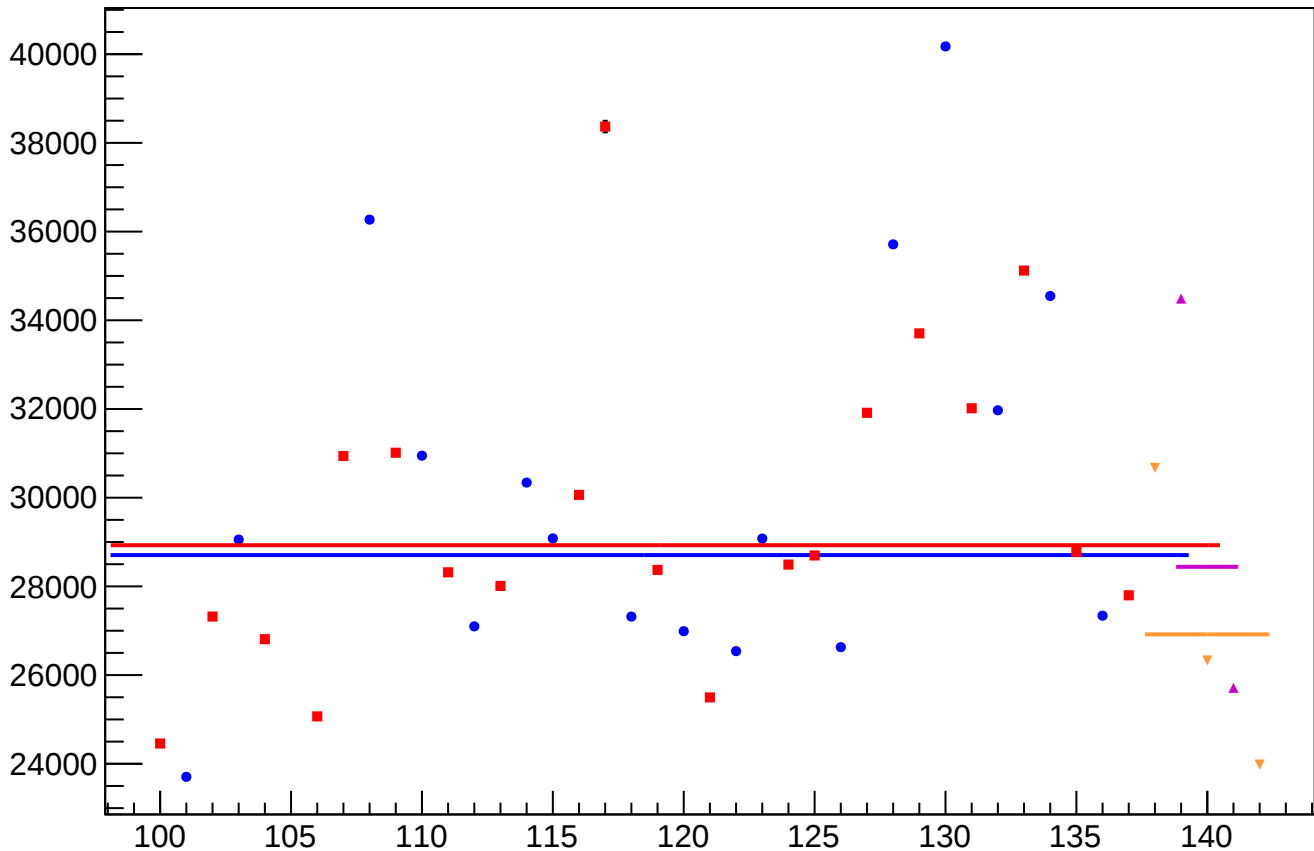
Right Out: 9.773 ± 10.870 $\chi^2/\text{NDF}: 20.1/19$

Left In: 17.513 ± 23.320 $\chi^2/\text{NDF}: 0.0/1$

-5.076 ± 9.710 $\chi^2/\text{NDF}: 19.7/19$

11.155 ± 9.852 $\chi^2/\text{NDF}: 20.2/21$

diff_bpm12X_rms vs Slug



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

Left Out: 26918.607 ± 13.747 χ^2/NDF : 35090.5/2

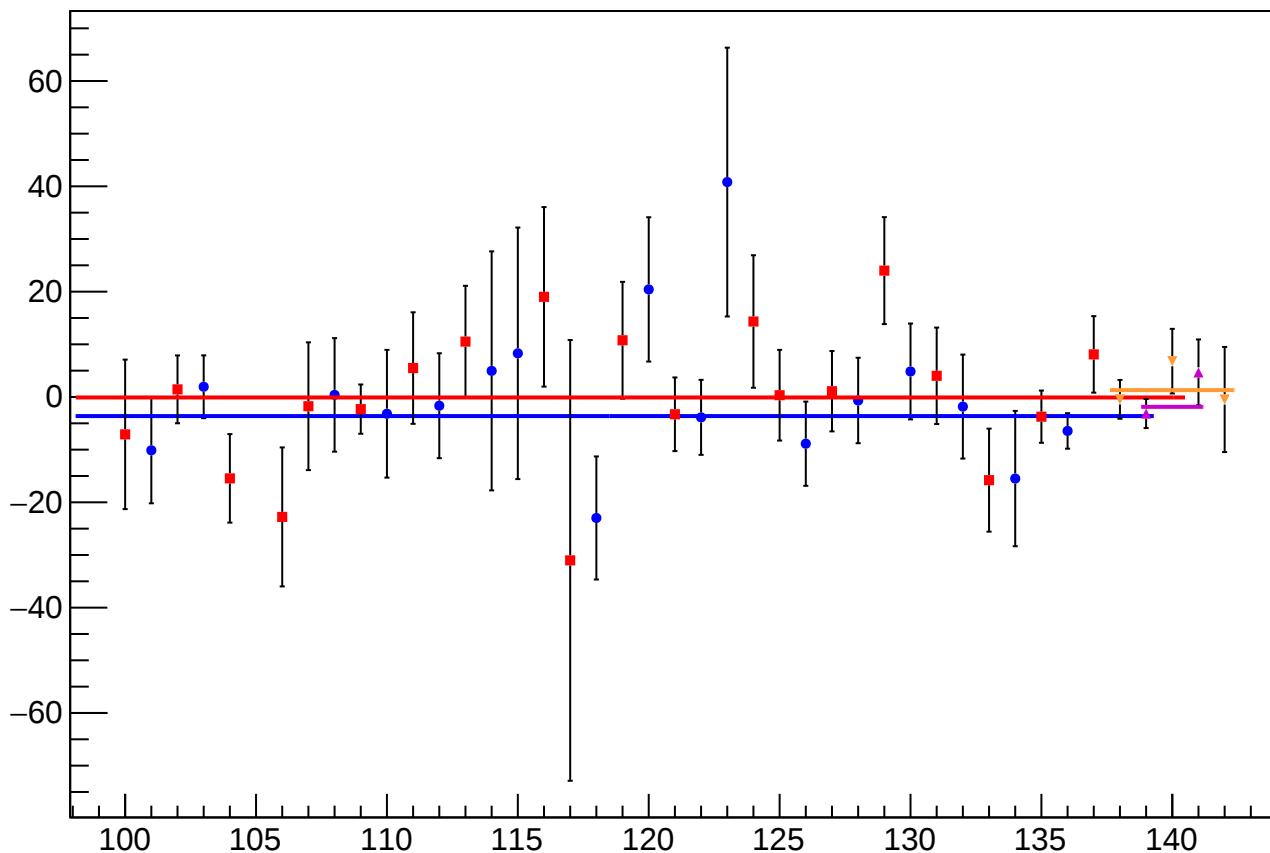
Right Out: 28928.520 ± 7.686 χ^2/NDF : 116482.4/19

Left In: 28441.124 ± 16.490 χ^2/NDF : 60685.8/1

28259.855 ± 6.866 χ^2/NDF : 298765.0/19

28841.522 ± 6.967 χ^2/NDF : 177886.0/21

diff_bpm12Y_mean vs Slug



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

Left Out: 1.297 ± 3.012 χ^2/NDF : 1.1/2

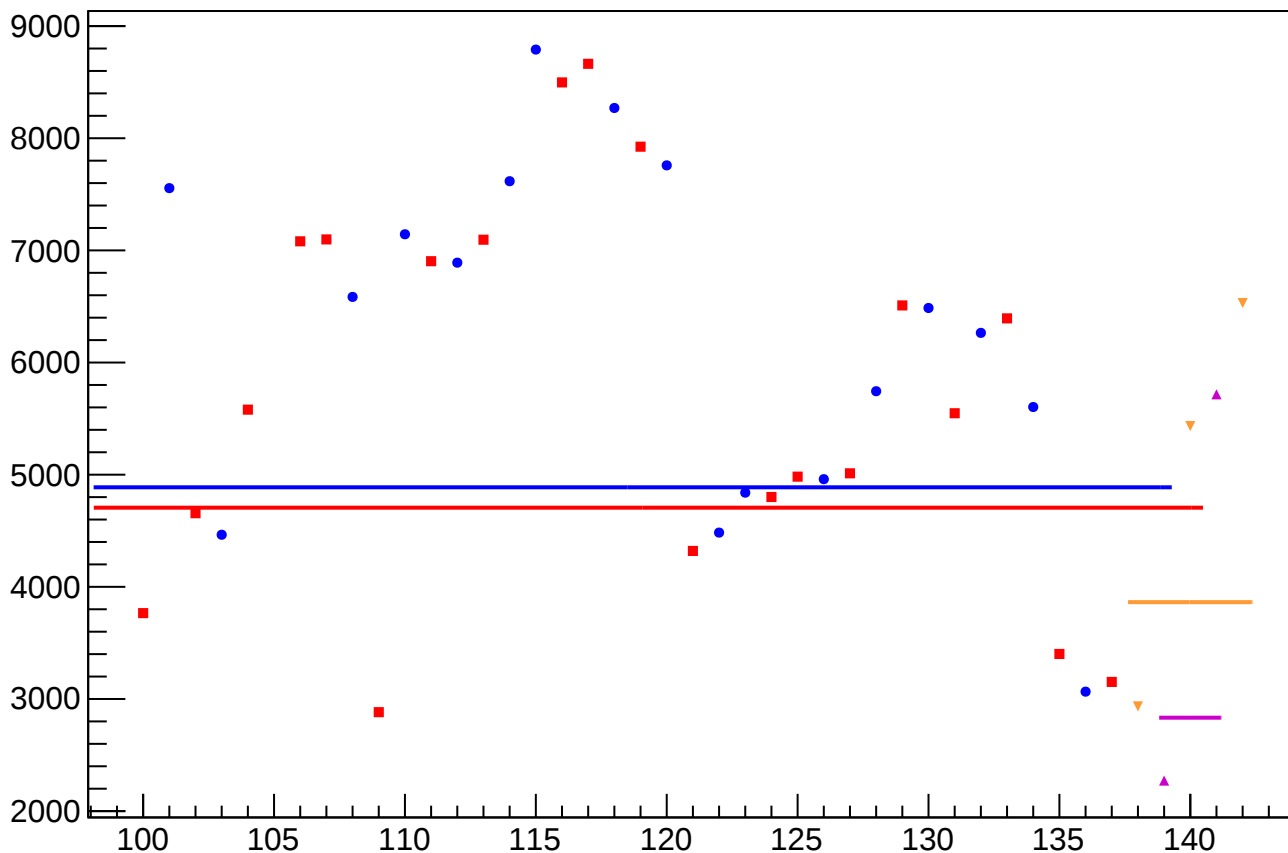
Right Out: -0.090 ± 1.888 χ^2/NDF : 22.6/19

Left In: -1.873 ± 2.527 χ^2/NDF : 1.3/1

-2.112 ± 1.670 χ^2/NDF : 16.6/19

-0.729 ± 1.512 χ^2/NDF : 24.3/21

diff_bpm12Y_rms vs Slug



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

Left Out: 3863.504 ± 2.129 χ^2/NDF : 401000.7/2

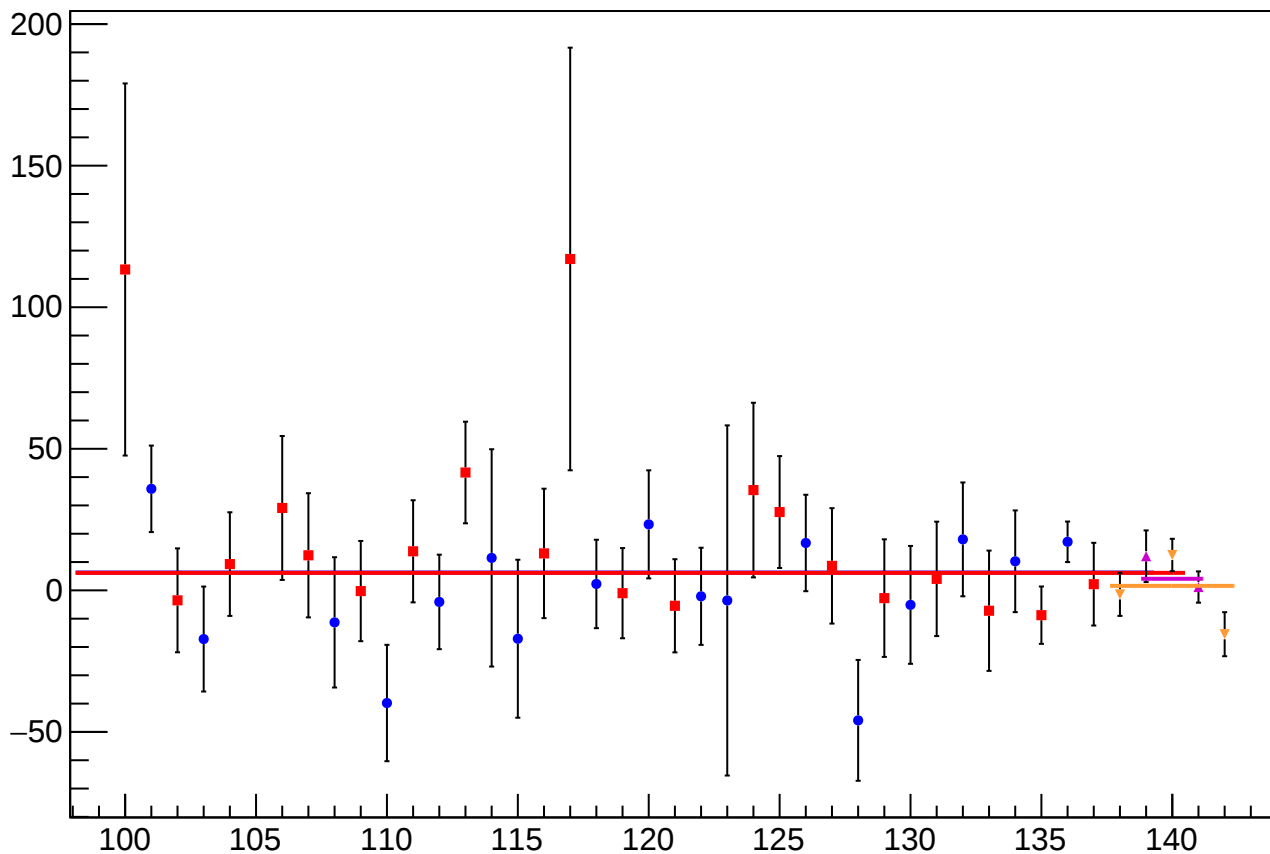
Right Out: 4705.797 ± 1.335 χ^2/NDF : 1331043.3/19

Left In: 2833.192 ± 1.787 χ^2/NDF : 506593.8/1

4572.802 ± 1.181 χ^2/NDF : 1970469.3/19

4034.823 ± 1.069 χ^2/NDF : 2542595.2/21

diff_bpm16X_mean vs Slug



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

Left Out: 1.587+/-3.940 χ^2/NDF : 8.6/2

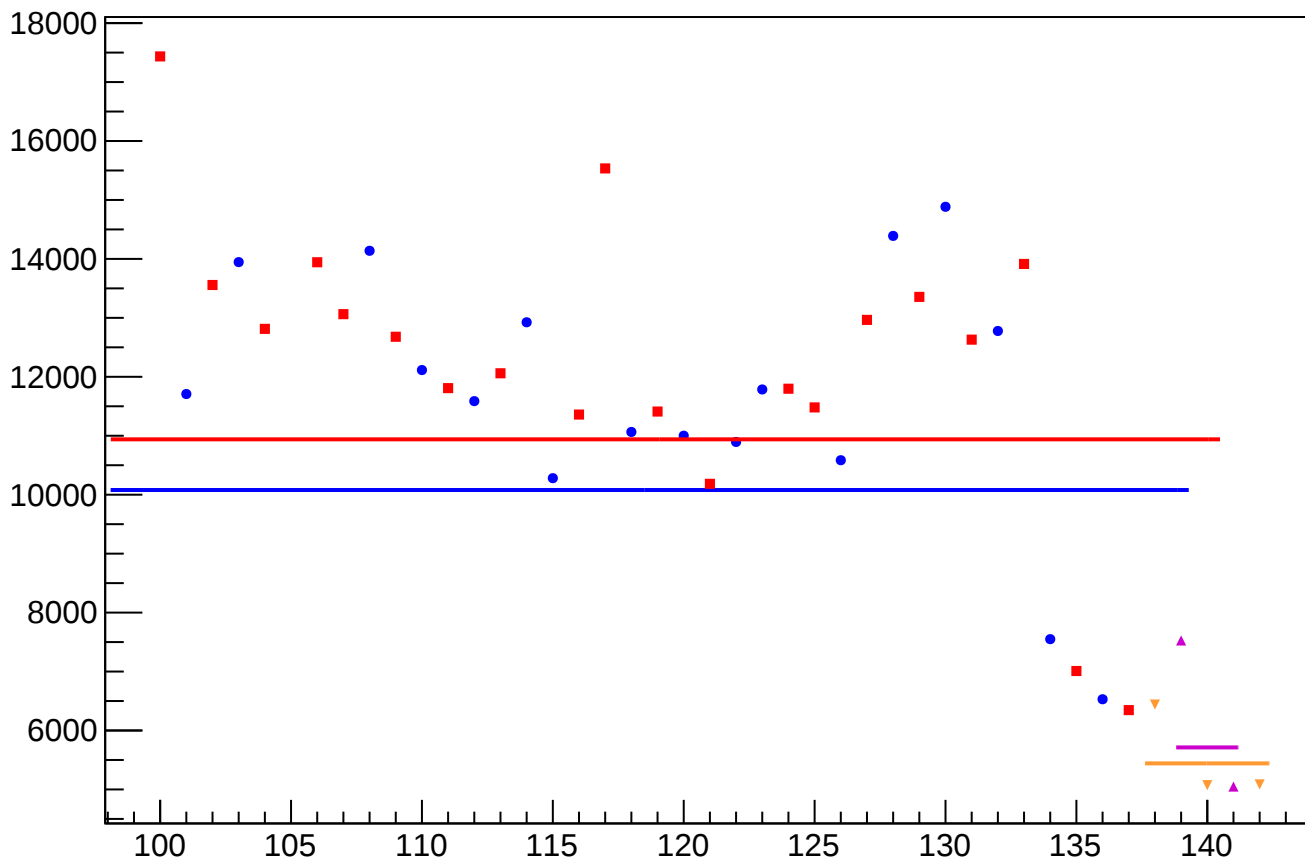
Right Out: 6.182+/-4.212 χ^2/NDF : 16.0/19

Left In: 4.090+/-4.723 χ^2/NDF : 1.0/1

3.863+/-2.829 χ^2/NDF : 31.9/19

5.255+/-3.144 χ^2/NDF : 17.2/21

diff_bpm16X_rms vs Slug



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

Left Out: 5442.279+/-2.786 χ^2/NDF : 46941.0/2

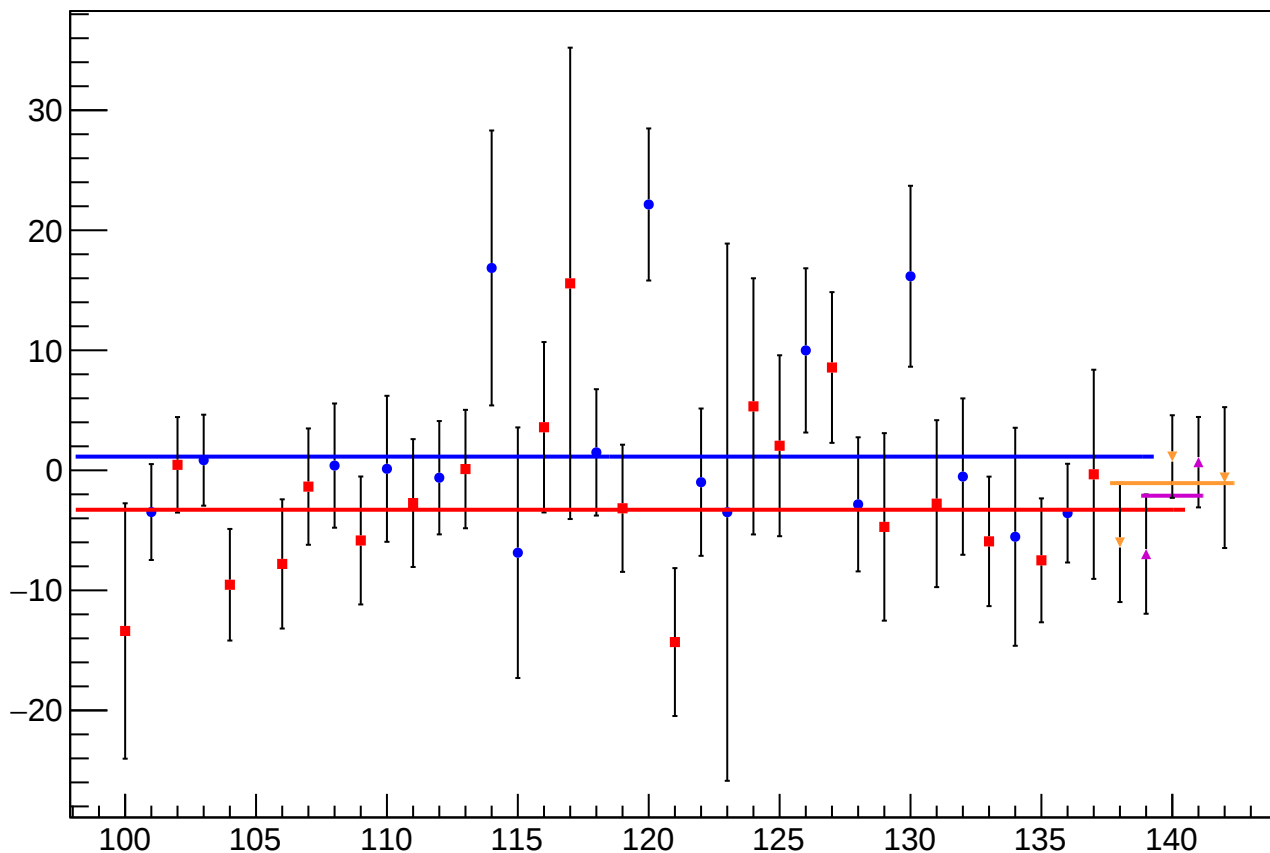
Right Out: 10939.227+/-2.979 χ^2/NDF : 776055.3/19

Left In: 5712.854+/-3.340 χ^2/NDF : 108005.2/1

7689.206+/-2.000 χ^2/NDF : 2383745.1/19

8624.012+/-2.223 χ^2/NDF : 2247923.2/21

diff_bpm16Y_mean vs Slug



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

Left Out: -1.066 $\pm$ 2.548 χ^2 /NDF: 1.4/2

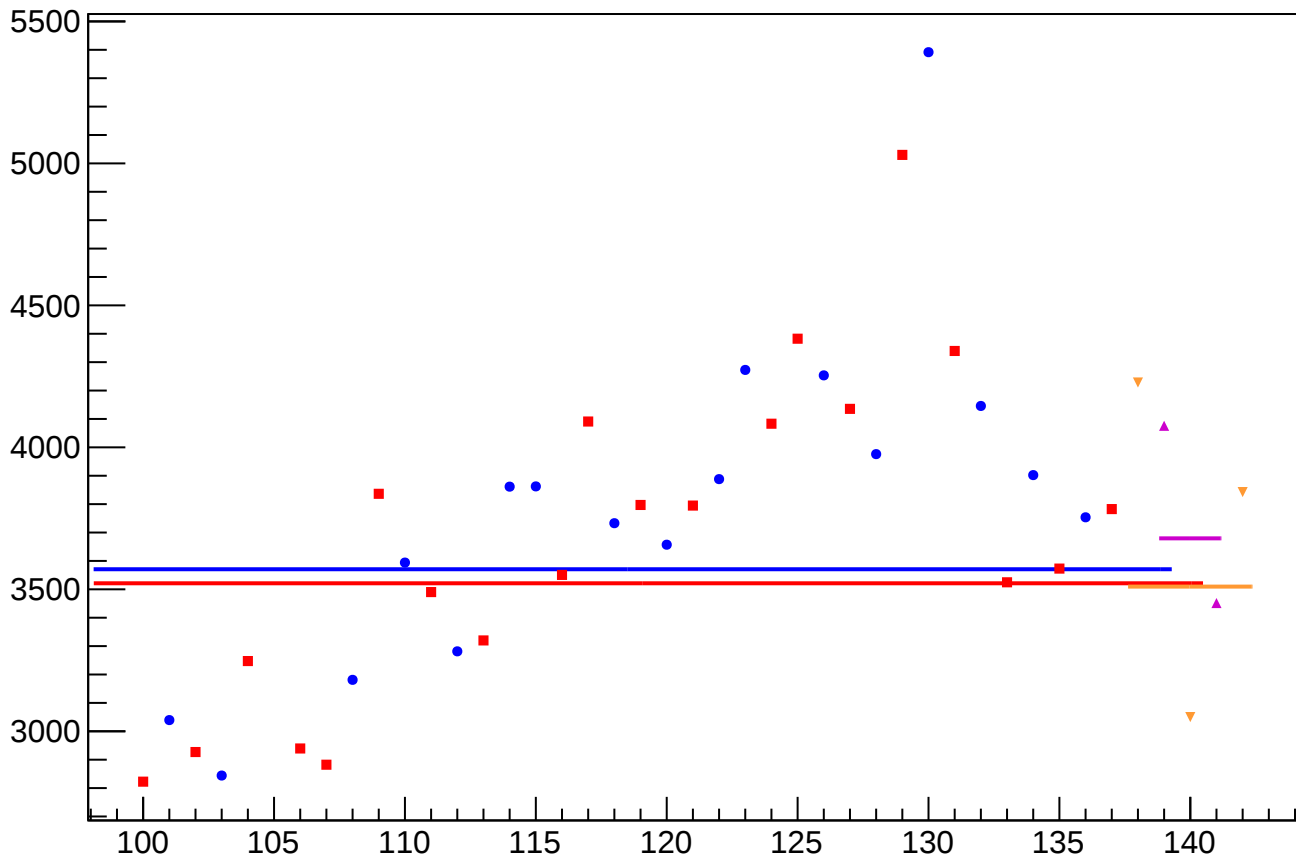
Right Out: -3.284 $\pm$ 1.330 χ^2 /NDF: 16.0/19

Left In: -2.115 $\pm$ 3.002 χ^2 /NDF: 1.5/1

0.633 $\pm$ 1.224 χ^2 /NDF: 25.2/19

-3.092 $\pm$ 1.216 χ^2 /NDF: 17.6/21

diff_bpm16Y_rms vs Slug



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

Left Out: 3509.570 $\pm$ 1.802 χ^2 /NDF:83969.2/2

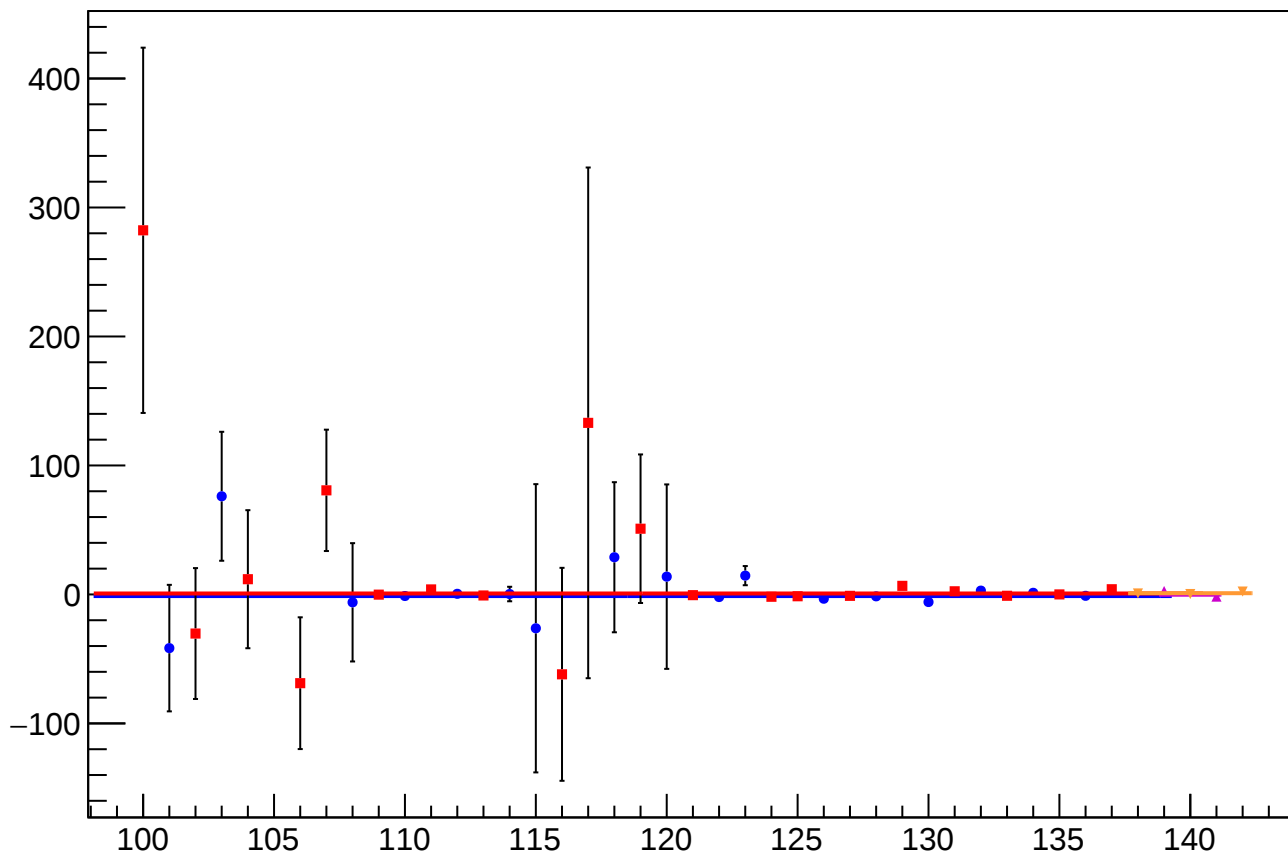
Right Out: 3521.247 $\pm$ 0.941 χ^2 /NDF: 294919.2/19

Left In: 3679.491 $\pm$ 2.123 χ^2 /NDF:20040.7/1

3556.606 $\pm$ 0.865 χ^2 /NDF: 394422.9/19

3547.211 $\pm$ 0.860 χ^2 /NDF: 319604.7/21

diff_bpm1p02bX_mean vs Slug



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

Left Out: 0.963+/-0.742 χ^2/NDF : 1.2/2

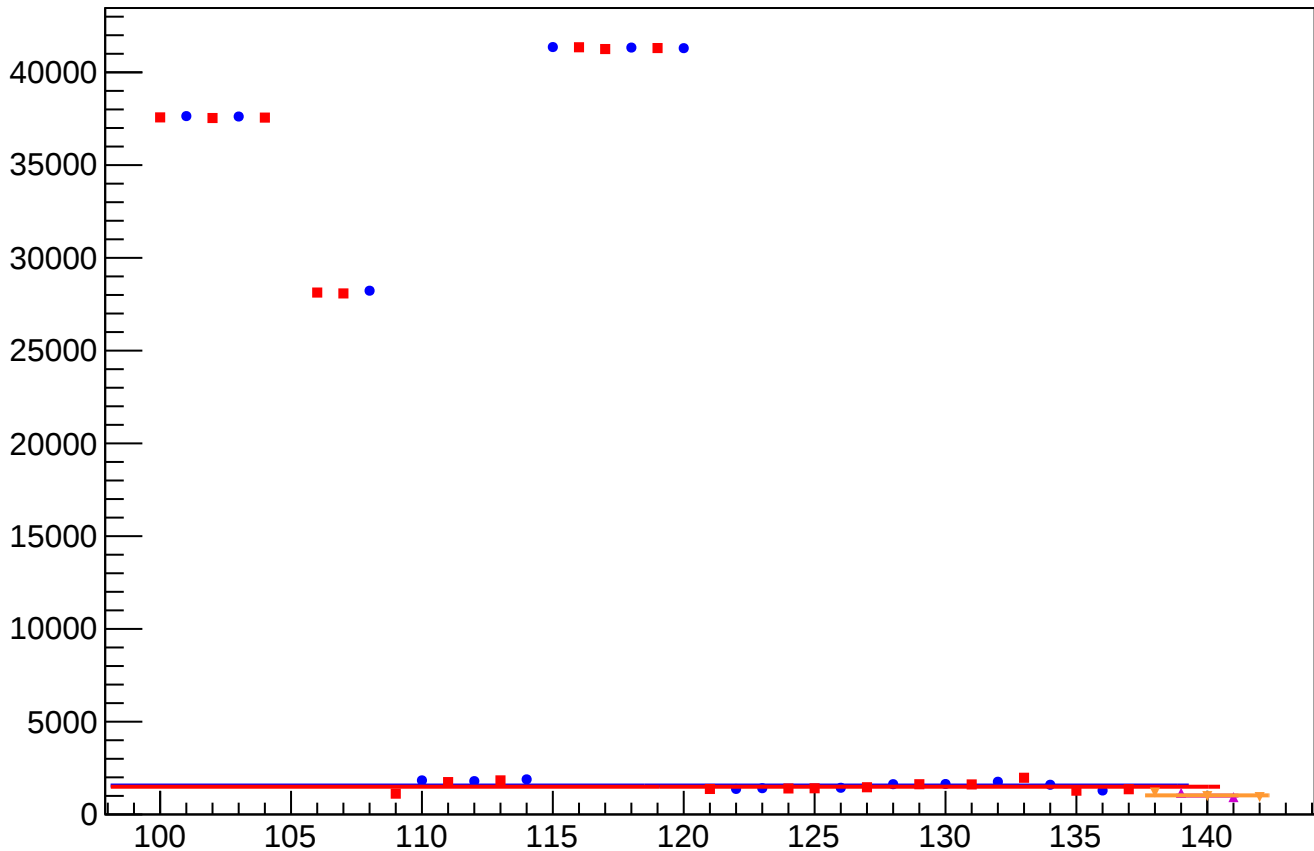
Right Out: 0.735+/-0.710 χ^2/NDF : 22.5/19

Left In: -0.212+/-0.828 χ^2/NDF : 6.2/1

-0.141+/-0.527 χ^2/NDF : 21.9/19

0.334+/-0.539 χ^2/NDF : 29.4/21

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1028.541+/-0.525 χ^2/NDF : 35435.2/2

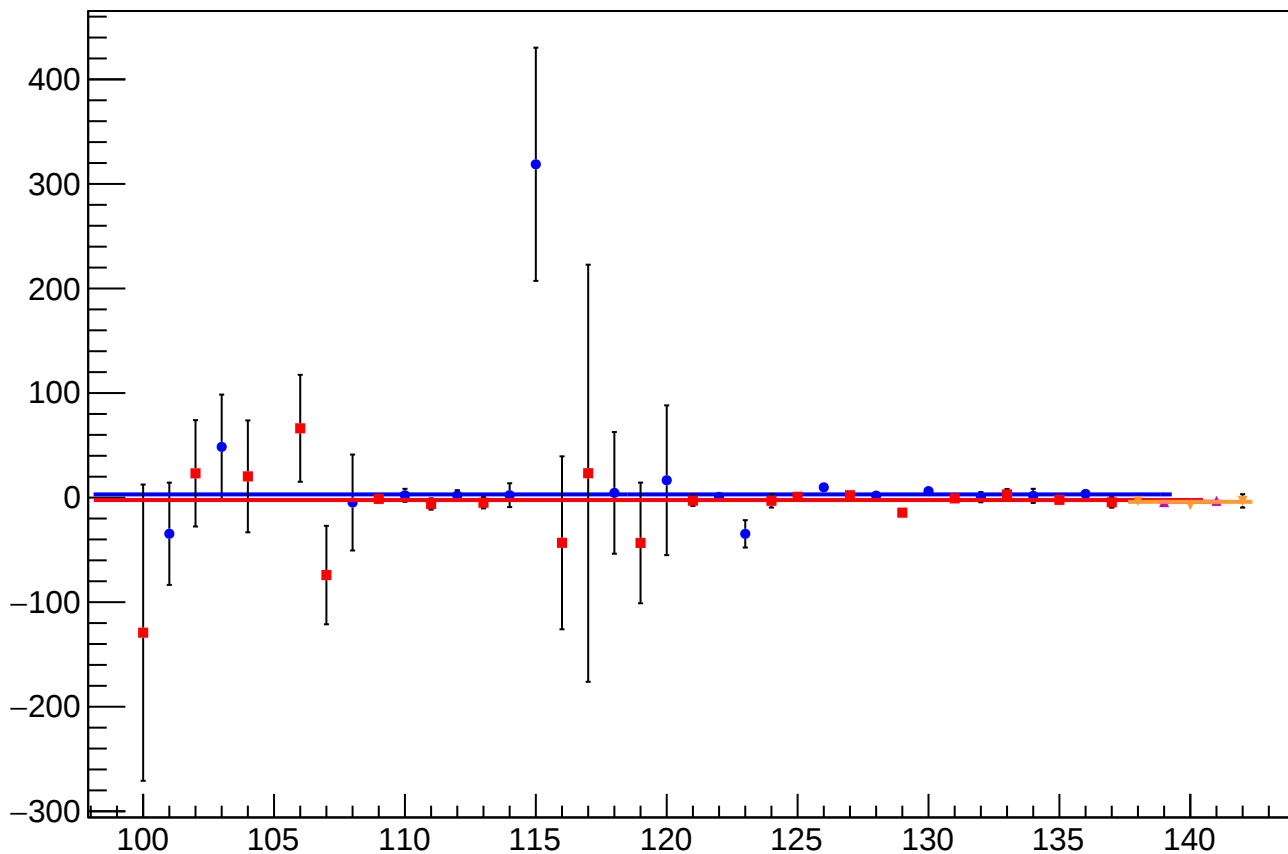
1291.824+/-0.373 χ^2/NDF : 5295875.3/19

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

1291.204+/-0.381 χ^2/NDF : 5398203.7/21

Left In: 1013.848+/-0.586 χ^2/NDF : 35538.6/1

diff_bpm1p02bY_mean vs Slug



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

Left Out: -4.044 ± 1.893 χ^2/NDF : 0.7/2

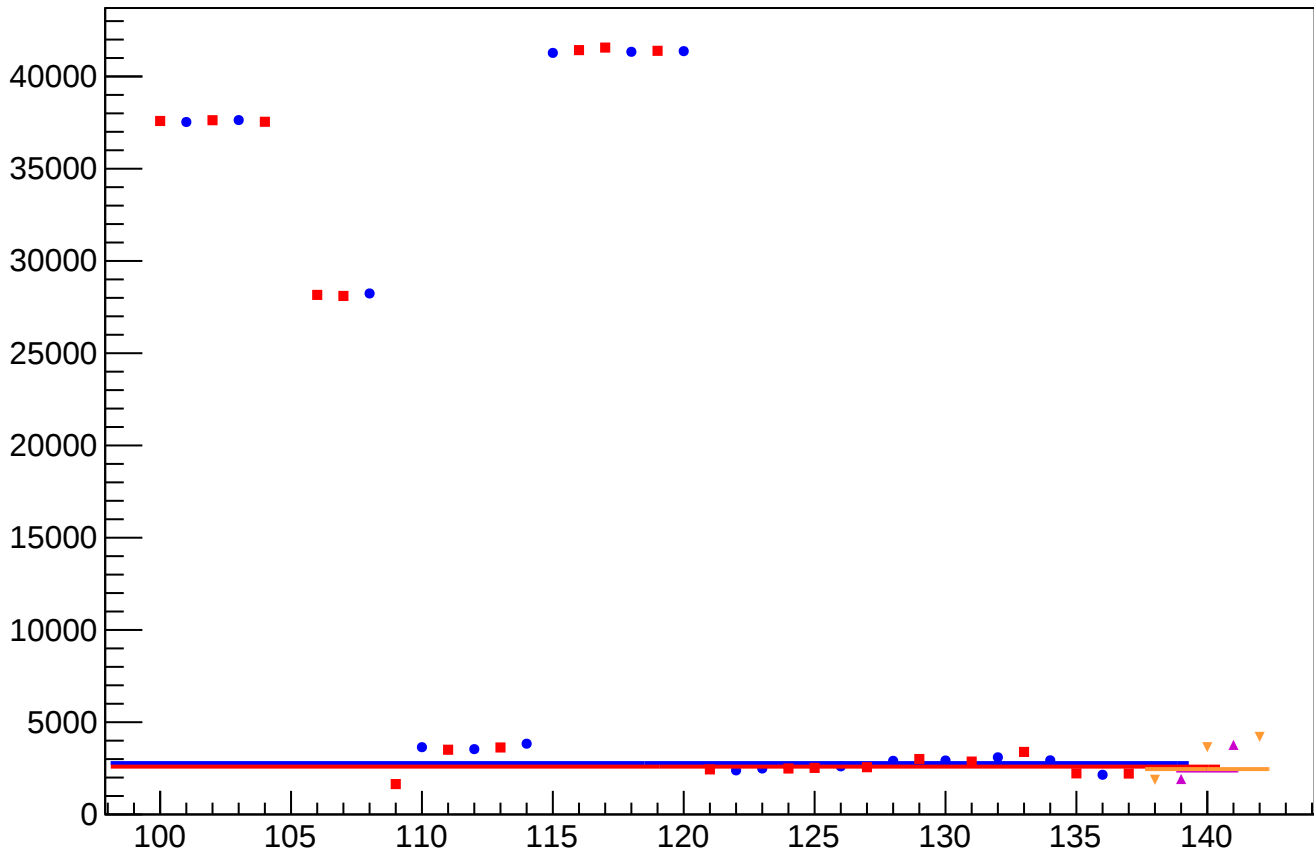
Right Out: -2.305 ± 1.235 χ^2/NDF : 16.9/19

Left In: -3.933 ± 2.051 χ^2/NDF : 0.1/1

0.738 ± 1.084 χ^2/NDF : 32.1/19

-2.738 ± 1.058 χ^2/NDF : 17.5/21

diff_bpm1p02bY_rms vs Slug



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

Left Out: 2458.560+/-1.338 χ^2/NDF : 445793.1/2

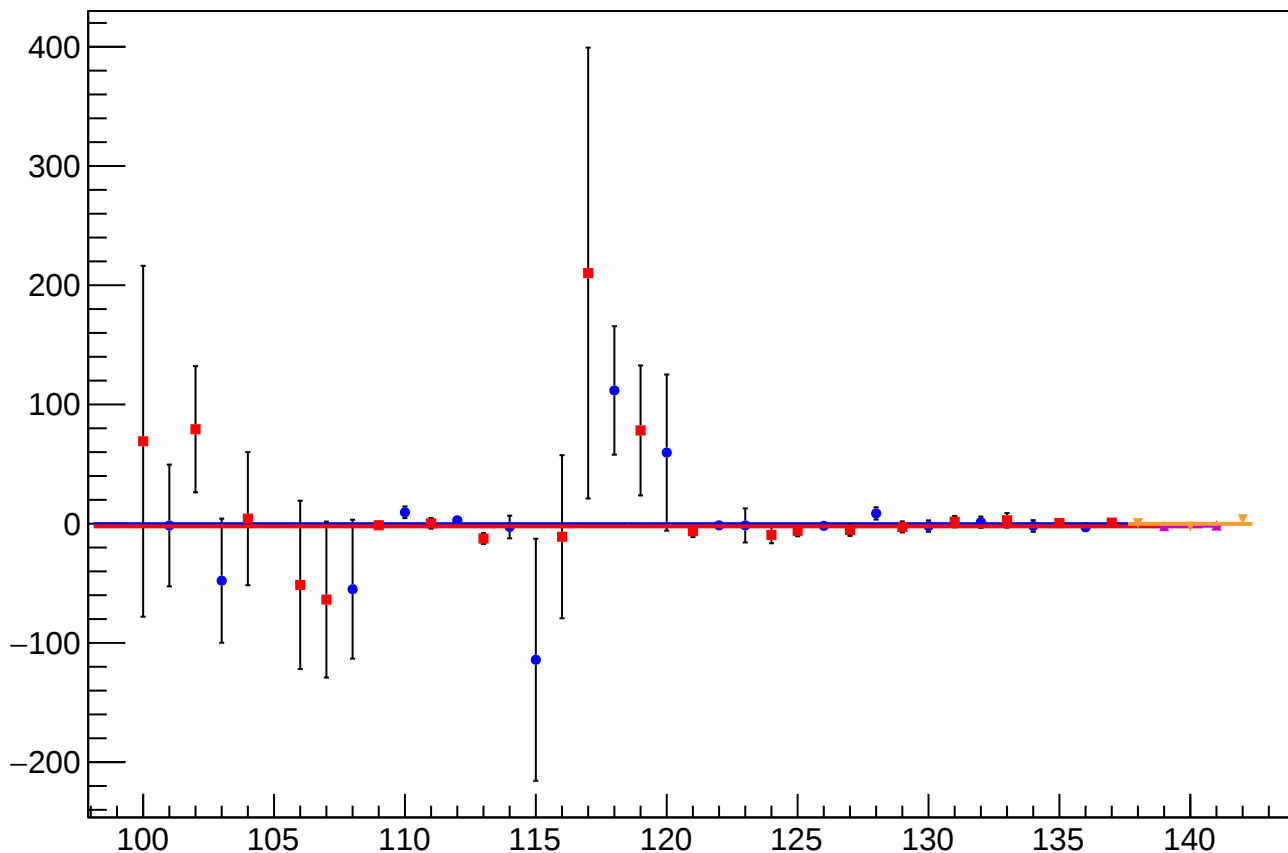
Right Out: 2592.654+/-0.873 χ^2/NDF : 4923077.9/19

Left In: 2379.852+/-1.450 χ^2/NDF : 303357.3/1

2677.149+/-0.767 χ^2/NDF : 5062932.5/19

2536.068+/-0.748 χ^2/NDF : 5242237.9/21

diff_bpm1p03aX_mean vs Slug



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

Left Out: -0.139+/-1.097 χ^2 /NDF:5.4/2

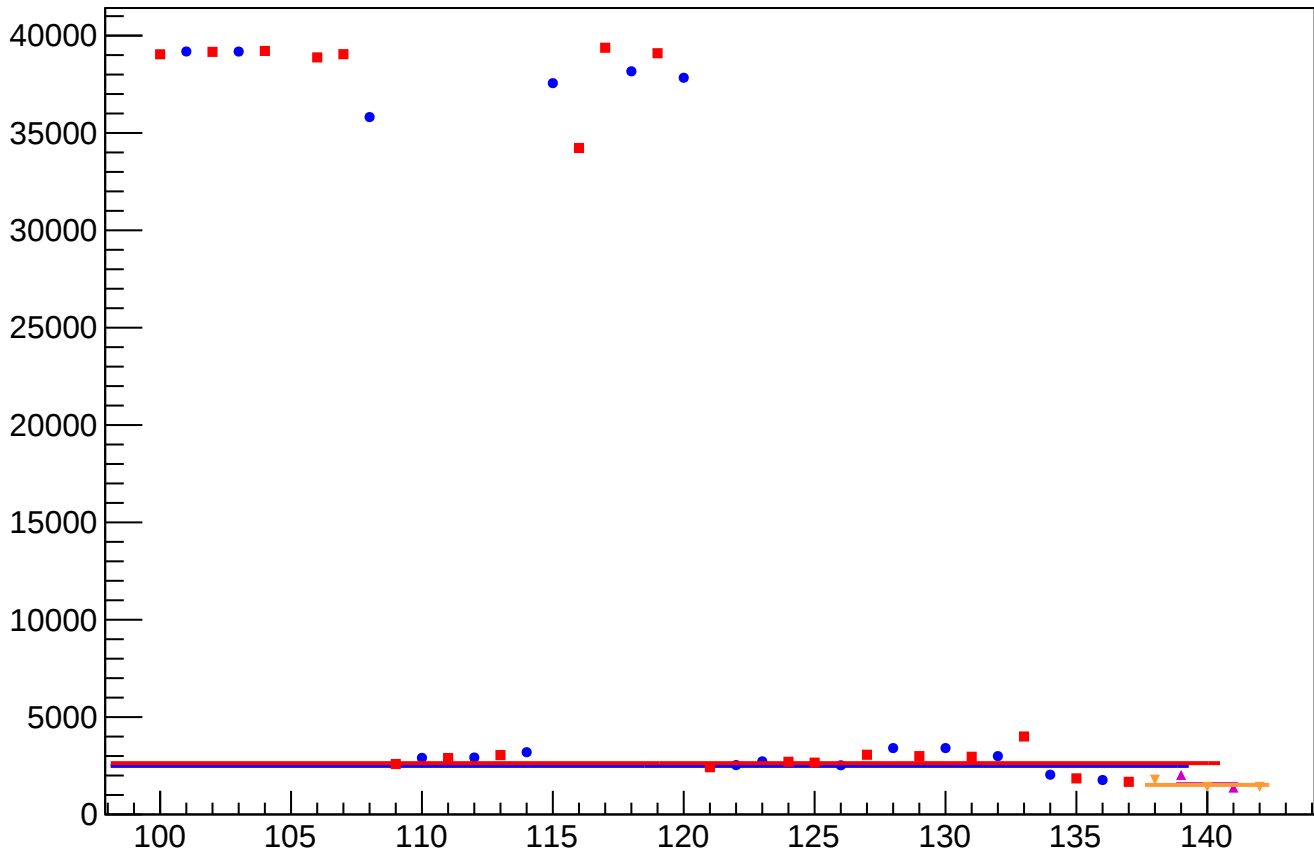
Right Out: -2.235+/-1.246 χ^2 /NDF: 18.7/19

Left In: -1.697+/-1.285 χ^2 /NDF:0.0/1

-0.258+/-0.815 χ^2 /NDF: 23.7/19

-1.975+/-0.895 χ^2 /NDF: 18.8/21

diff_bpm1p03aX_rms vs Slug



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

Left Out: 1518.153+/-0.776 χ^2/NDF : 44148.0/2

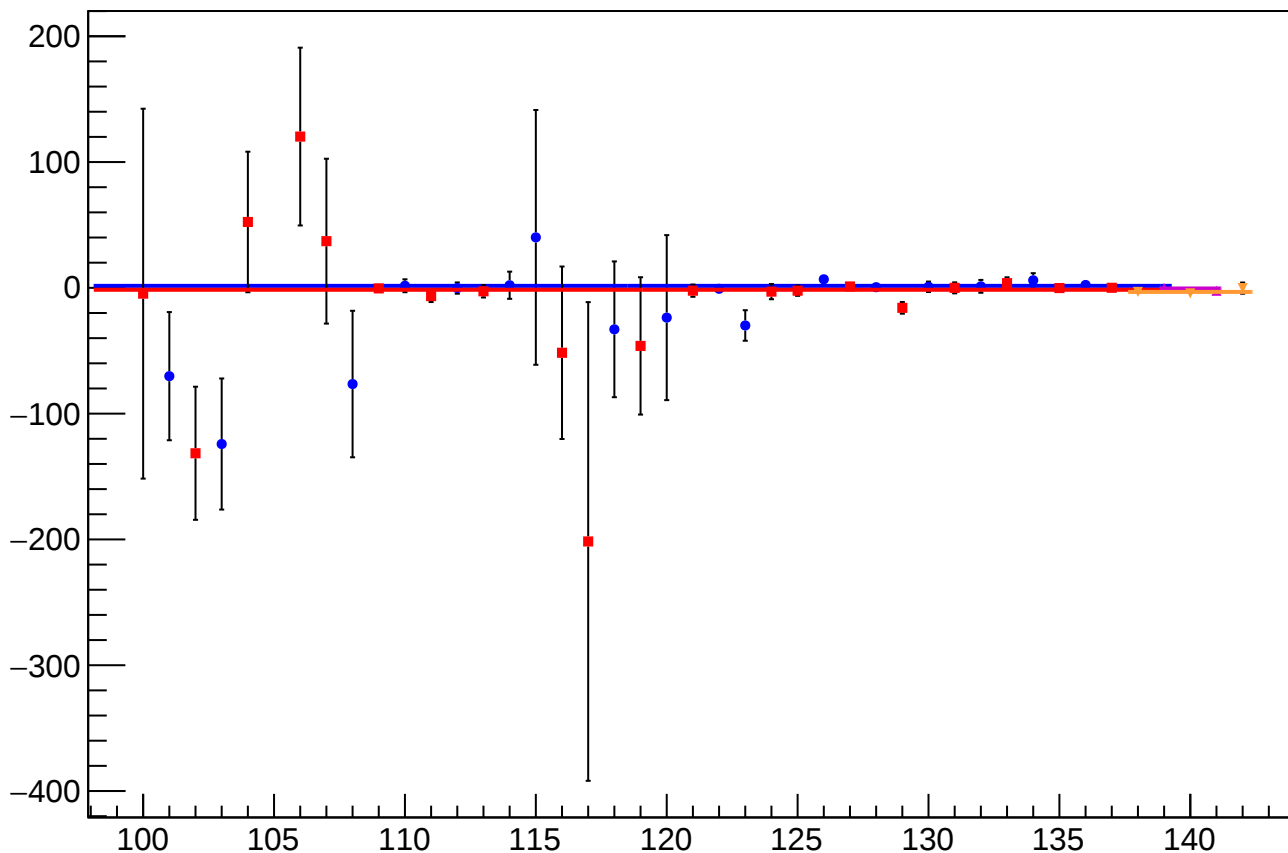
Right Out: 2634.840+/-0.881 χ^2/NDF : 4936039.0/19

Left In: 1557.404+/-0.909 χ^2/NDF : 101619.2/1

1955.964+/-0.576 χ^2/NDF : 5637785.2/19

2112.788+/-0.633 χ^2/NDF : 5762381.7/21

diff_bpm1p03aY_mean vs Slug



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

Left Out: -3.226 $\pm$ 1.373 χ^2 /NDF: 0.6/2

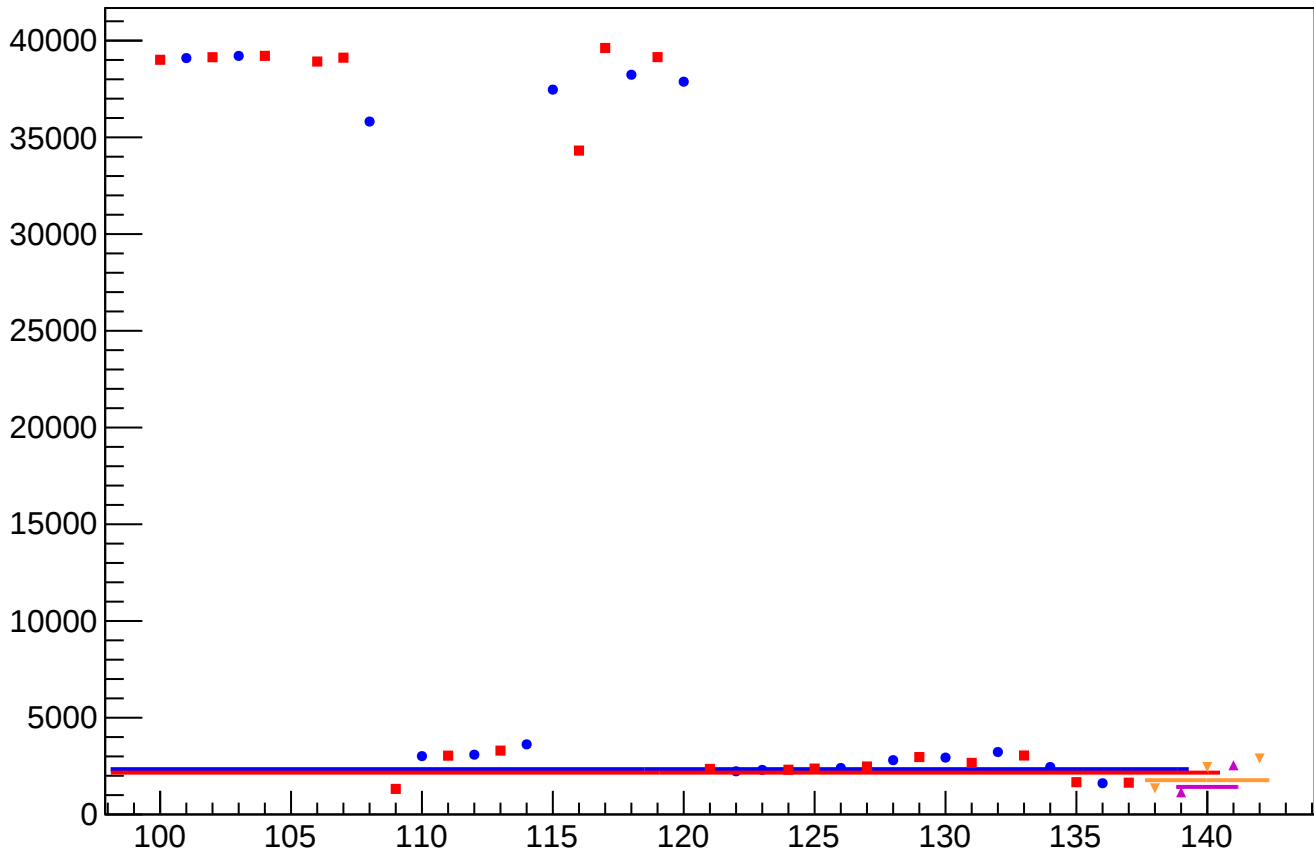
Right Out: -1.530 $\pm$ 1.062 χ^2 /NDF: 26.1/19

Left In: -0.503 $\pm$ 1.243 χ^2 /NDF: 0.5/1

-0.389 $\pm$ 0.879 χ^2 /NDF: 28.2/19

-1.096 $\pm$ 0.807 χ^2 /NDF: 27.1/21

diff_bpm1p03aY_rms vs Slug



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

Left Out: 1770.560+/-0.971 χ^2/NDF : 373420.2/2

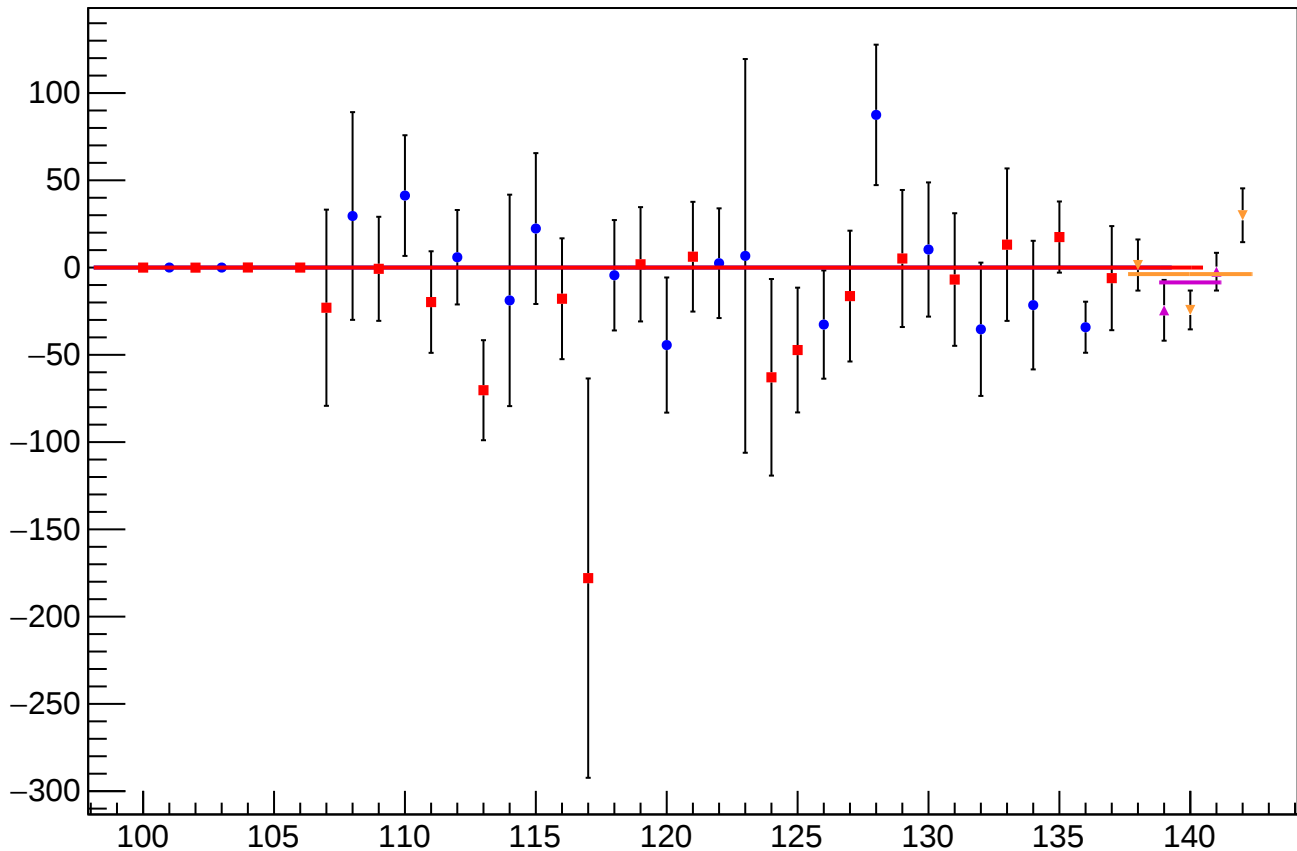
Right Out: 2162.329+/-0.751 χ^2/NDF : 5376569.5/19

Left In: 1423.582+/-0.879 χ^2/NDF : 403477.7/1

2107.649+/-0.621 χ^2/NDF : 5584237.6/19

1850.491+/-0.571 χ^2/NDF : 6188461.9/21

diff_cav4bX_mean vs Slug



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

Left Out: -3.739+/-7.681 χ^2/NDF : 8.3/2

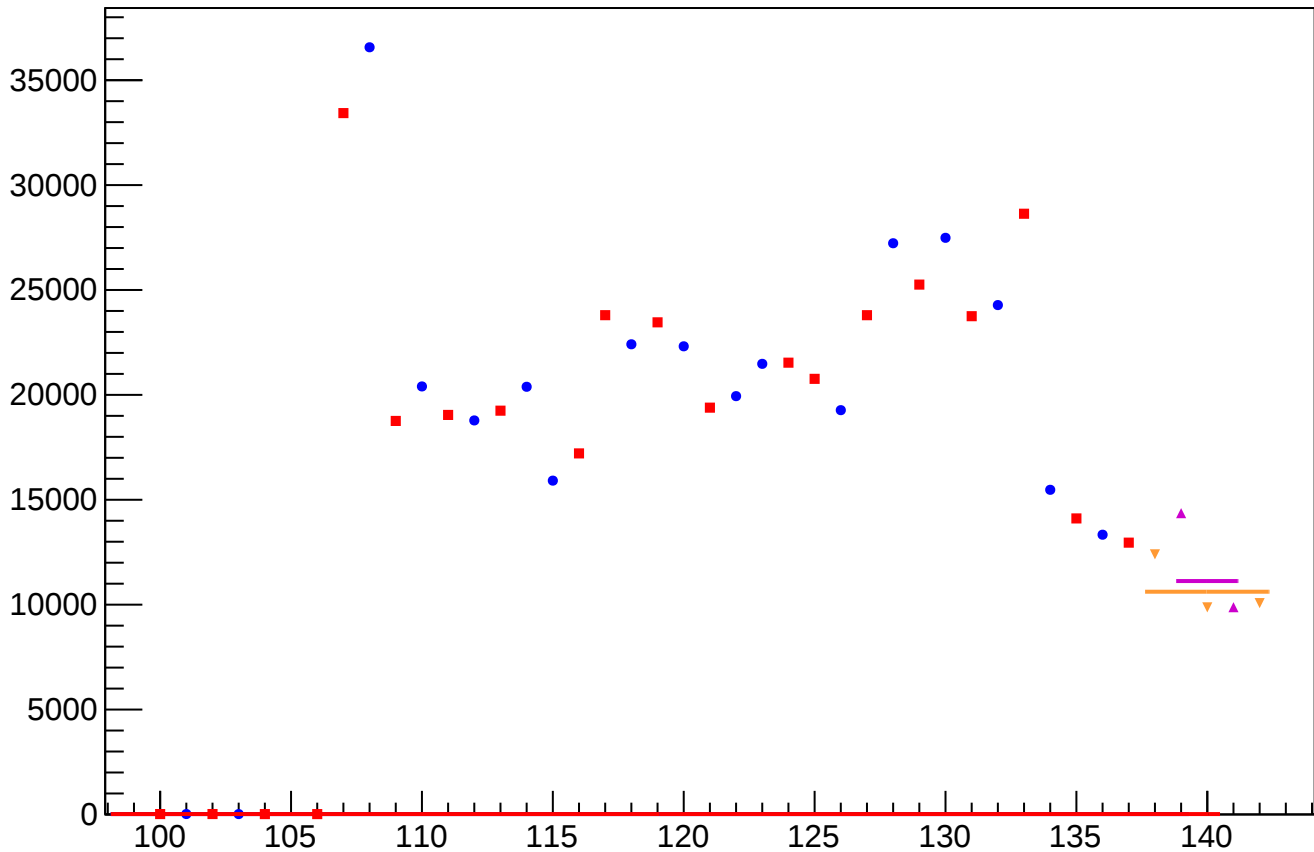
Right Out: 0.003+/-0.016 χ^2/NDF : 18.3/19

Left In: -8.507+/-9.182 χ^2/NDF : 1.2/1

0.013+/-0.017 χ^2/NDF : 24.7/19

0.003+/-0.016 χ^2/NDF : 20.3/21

diff_cav4bX_rms vs Slug



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

Left Out: 10616.887+/-5.431 χ^2/NDF :41049.7/2

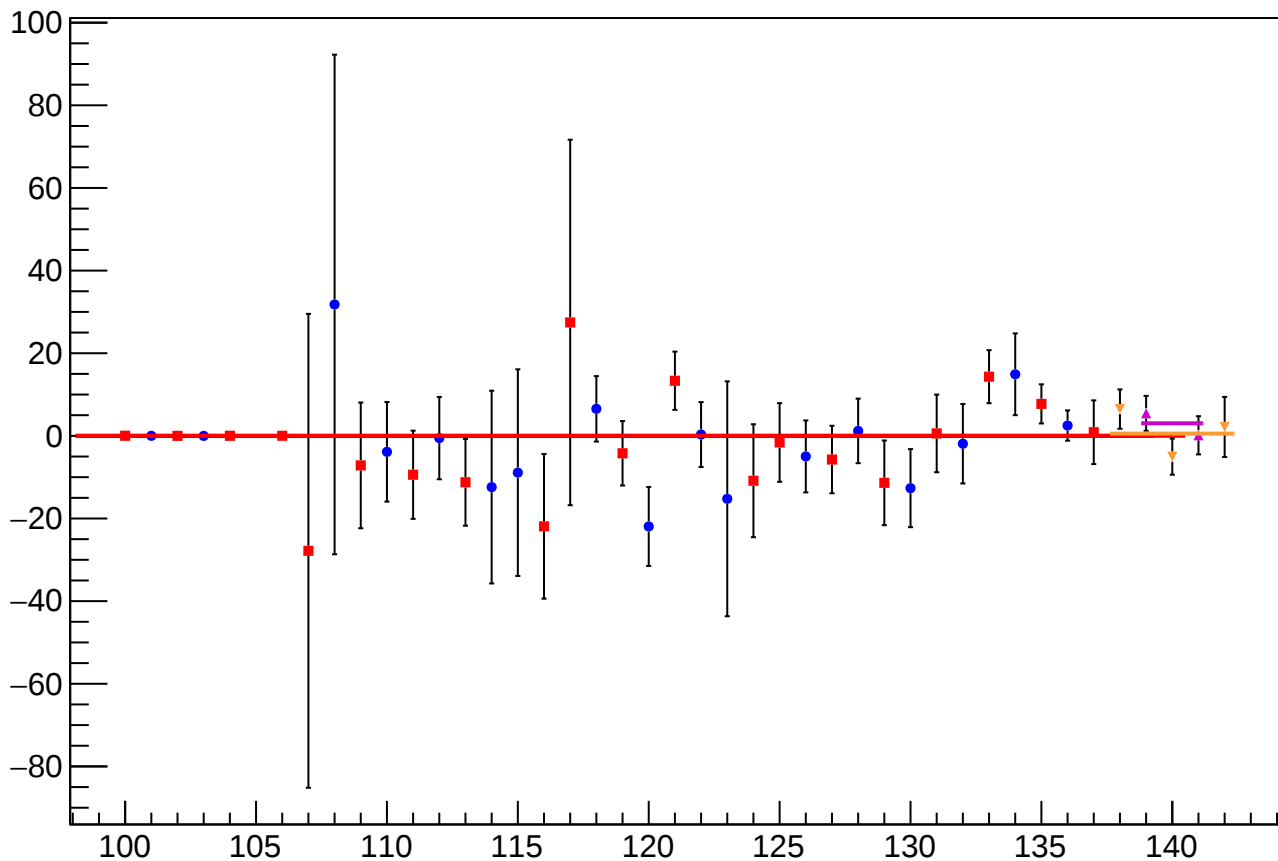
Right Out: 18.312+/-0.011 χ^2/NDF : 11197081.8/19

Left In: 11125.888+/-6.493 χ^2/NDF :95689.3/1

18.696+/-0.012 χ^2/NDF : 14832830.4/19

18.346+/-0.011 χ^2/NDF : 14219638.7/21

diff_cav4bY_mean vs Slug



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

Left Out: 0.547 $\pm$ 2.945 χ^2 /NDF: 3.2/2

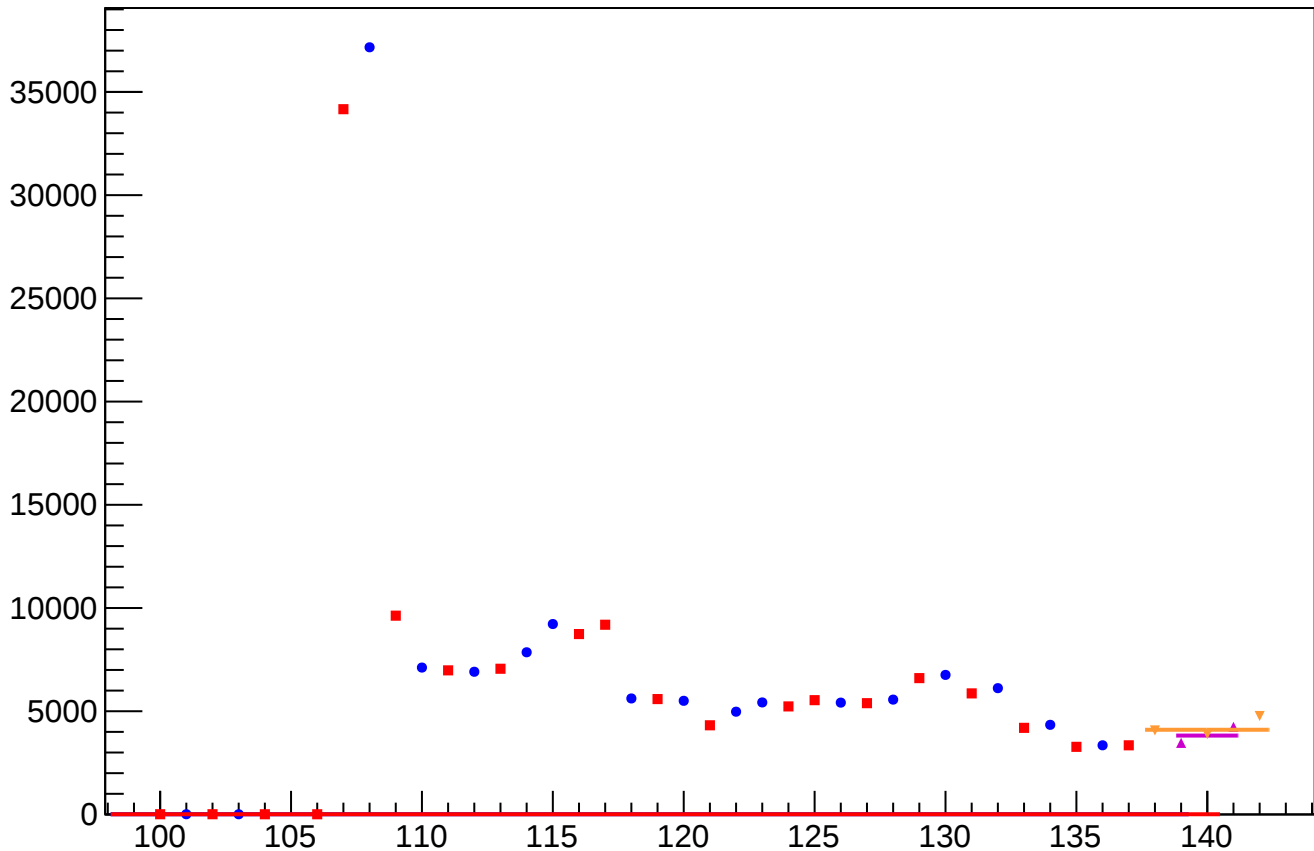
Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 19.0/19

Left In: 3.039 $\pm$ 3.115 χ^2 /NDF: 0.7/1

0.001 $\pm$ 0.009 χ^2 /NDF: 16.3/19

0.014 $\pm$ 0.009 χ^2 /NDF: 20.6/21

diff_cav4bY_rms vs Slug



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

Left Out: 4102.465+/-2.082 χ^2/NDF :21722.1/2

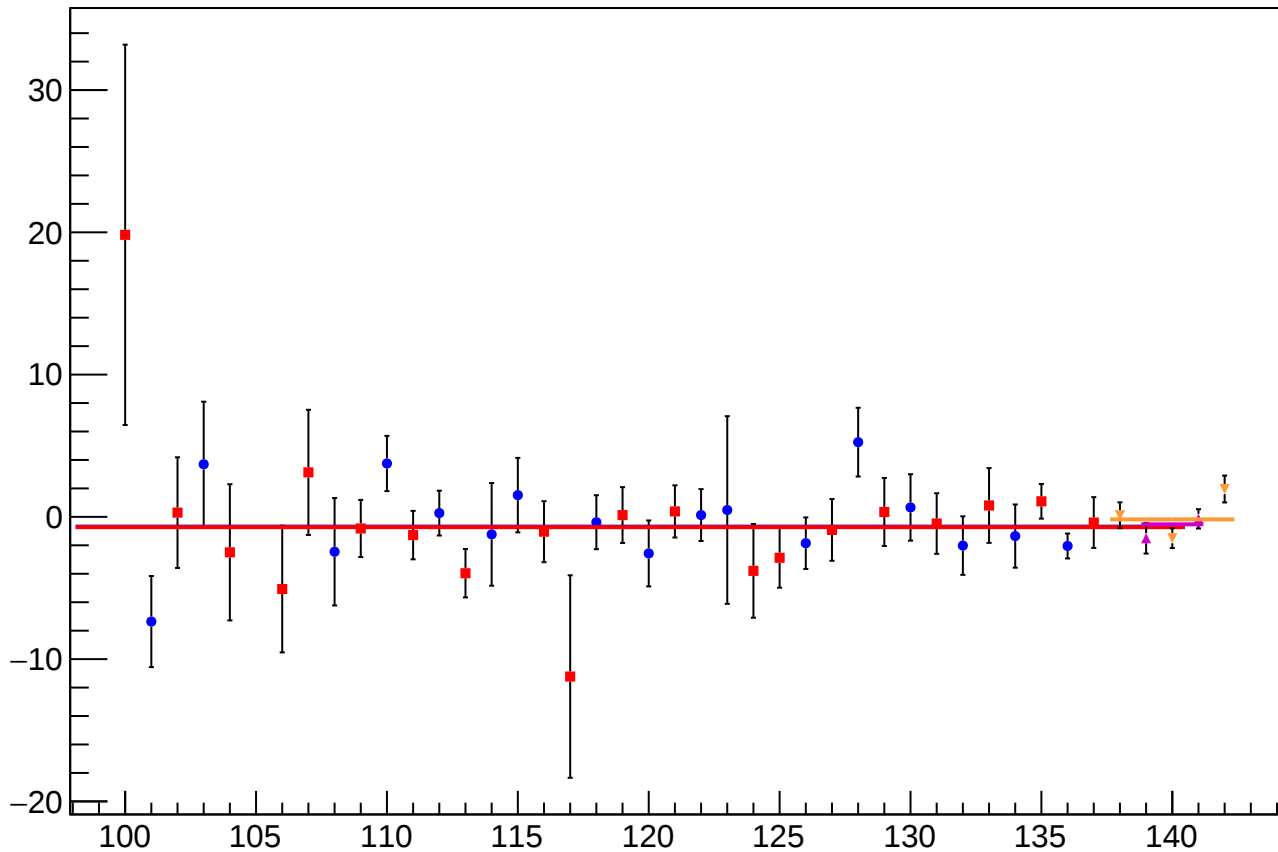
9.979+/-0.007 χ^2/NDF : 14998378.3/19

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

9.884+/-0.006 χ^2/NDF : 14270405.1/21

Left In: 3821.107+/-2.203 χ^2/NDF :30889.8/1

diff_cav4cX_mean vs Slug



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

Left Out: -0.176 ± 0.477 χ^2/NDF : 8.8/2

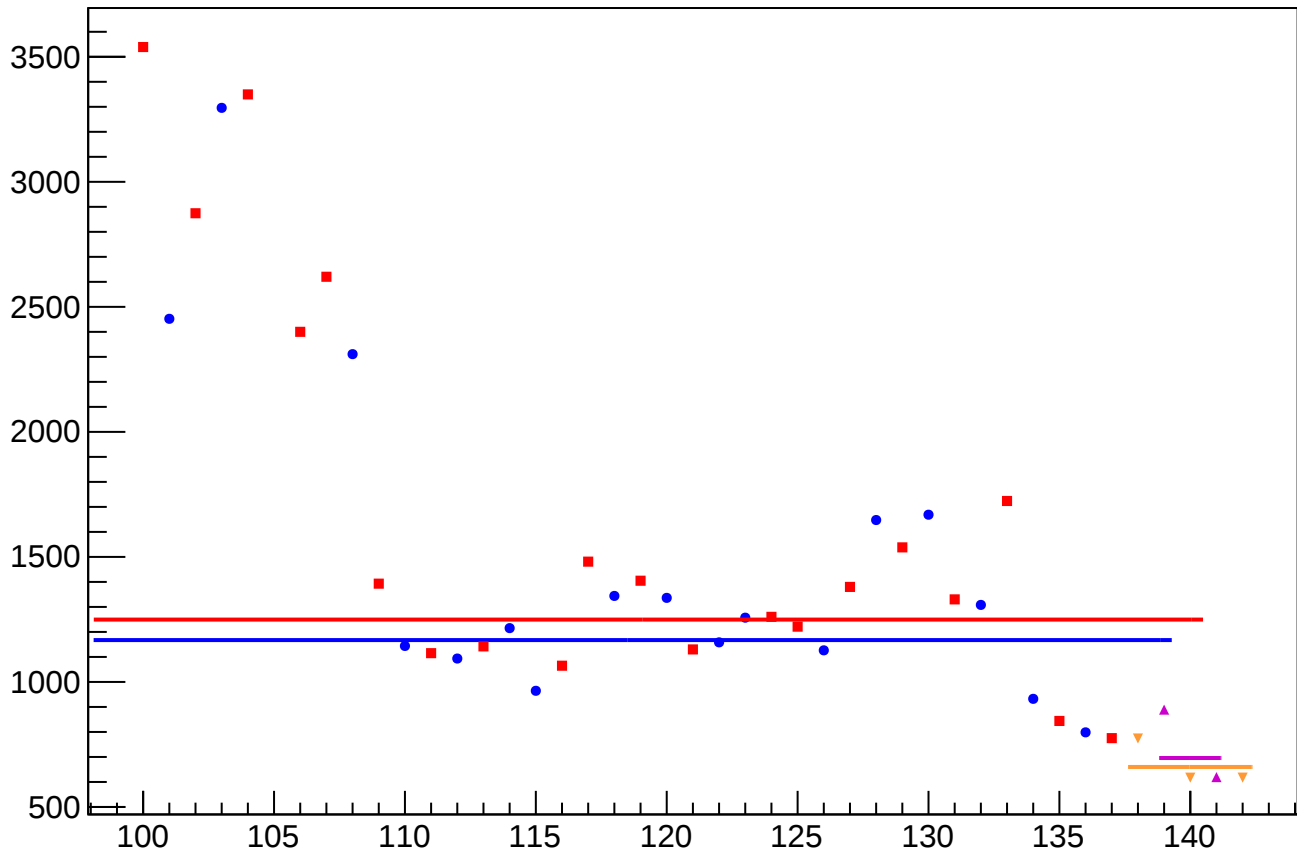
Right Out: -0.724 ± 0.499 χ^2/NDF : 15.5/19

Left In: -0.525 ± 0.574 χ^2/NDF : 1.1/1

-0.430 ± 0.339 χ^2/NDF : 31.9/19

-0.639 ± 0.377 χ^2/NDF : 16.7/21

diff_cav4cX_rms vs Slug



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

Left Out: 660.018 $\pm$ 0.337 χ^2 /NDF: 42750.2/2

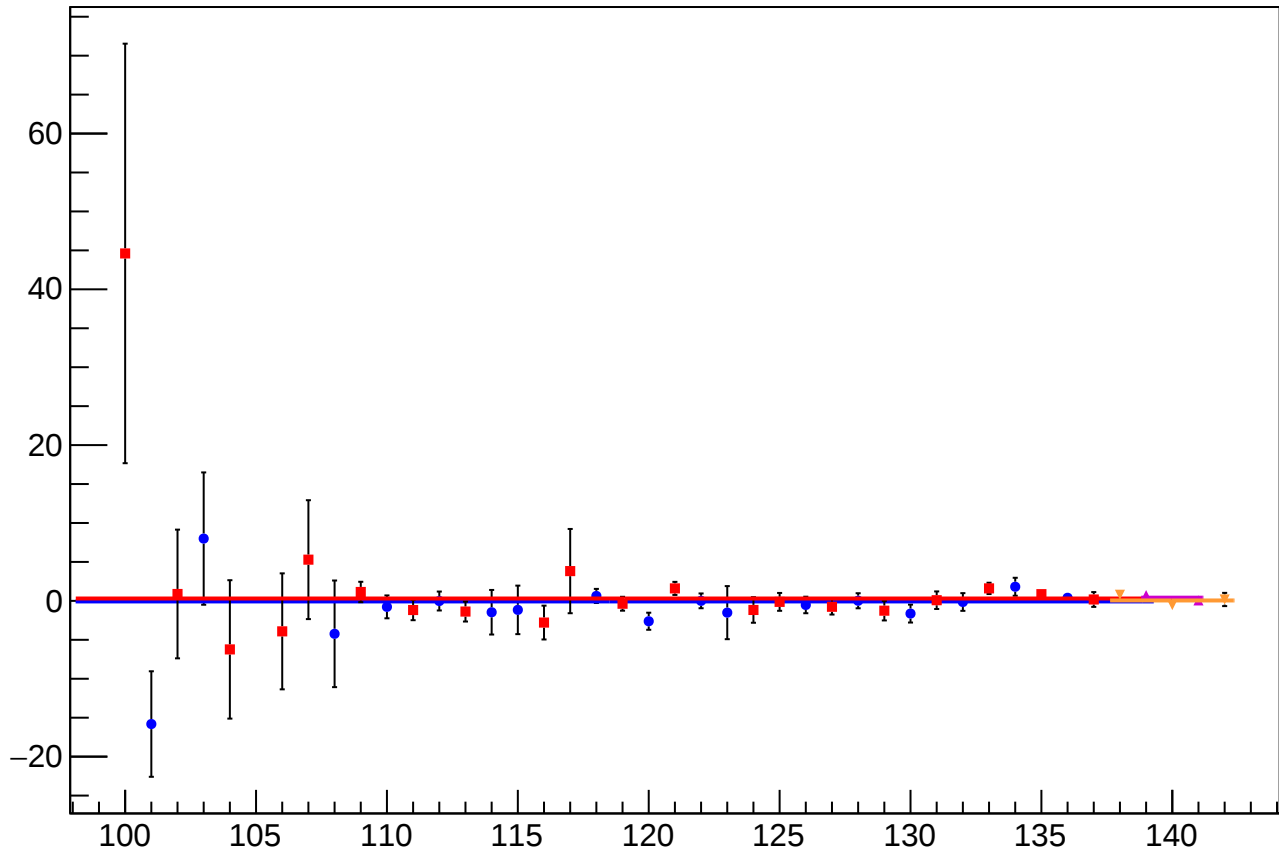
Right Out: 1249.388 $\pm$ 0.353 χ^2 /NDF: 1656159.5/19

Left In: 695.840 $\pm$ 0.406 χ^2 /NDF: 89830.3/1

911.044 $\pm$ 0.240 χ^2 /NDF: 2739524.9/19

1010.665 $\pm$ 0.266 χ^2 /NDF: 2805502.8/21

diff_cav4cY_mean vs Slug



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

Left Out: 0.052 ± 0.349 χ^2/NDF : 3.0/2

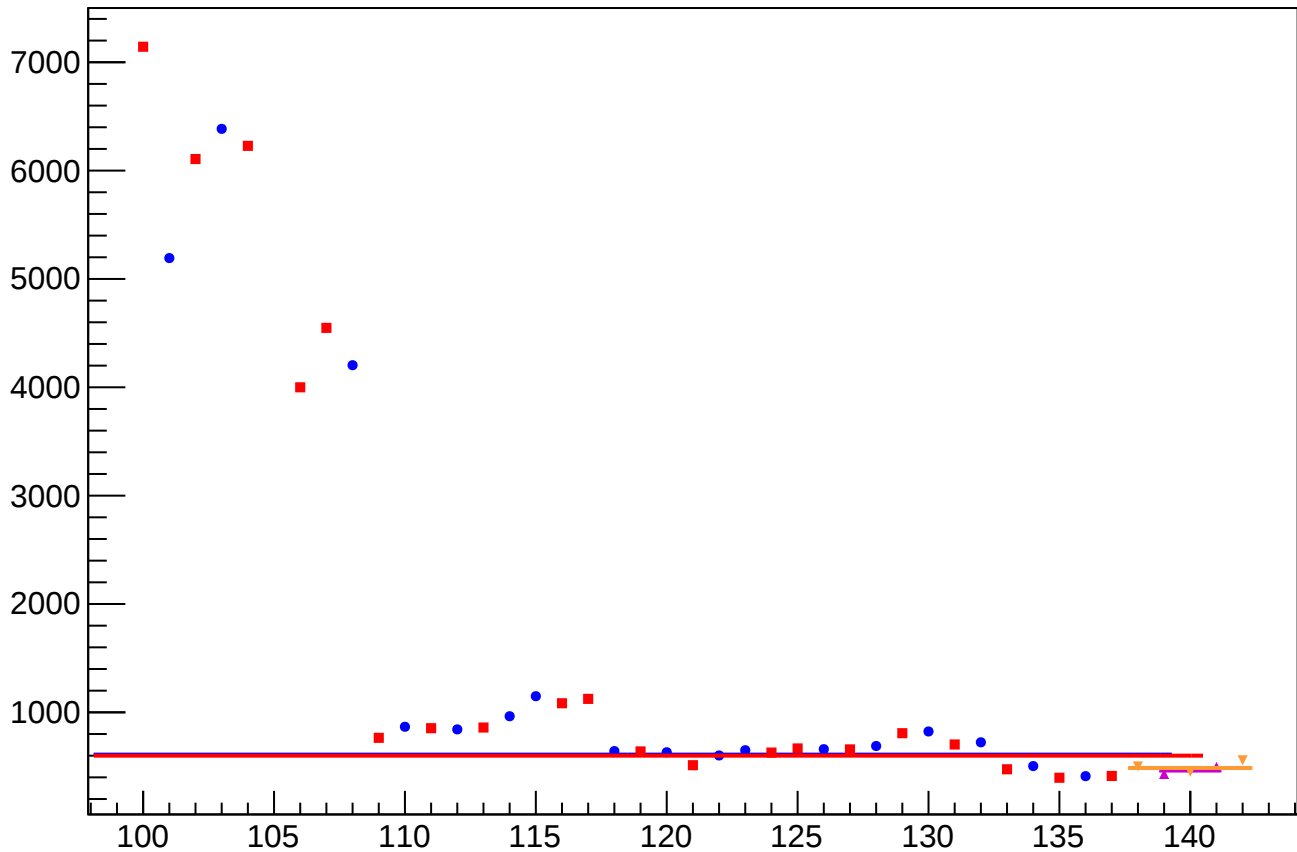
Right Out: 0.303 ± 0.264 χ^2/NDF : 20.7/19

Left In: 0.409 ± 0.376 χ^2/NDF : 0.8/1

-0.026 ± 0.213 χ^2/NDF : 22.3/19

0.338 ± 0.216 χ^2/NDF : 21.5/21

diff_cav4cY_rms vs Slug



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

Left Out: 486.306+/-0.247 χ^2/NDF : 25184.0/2

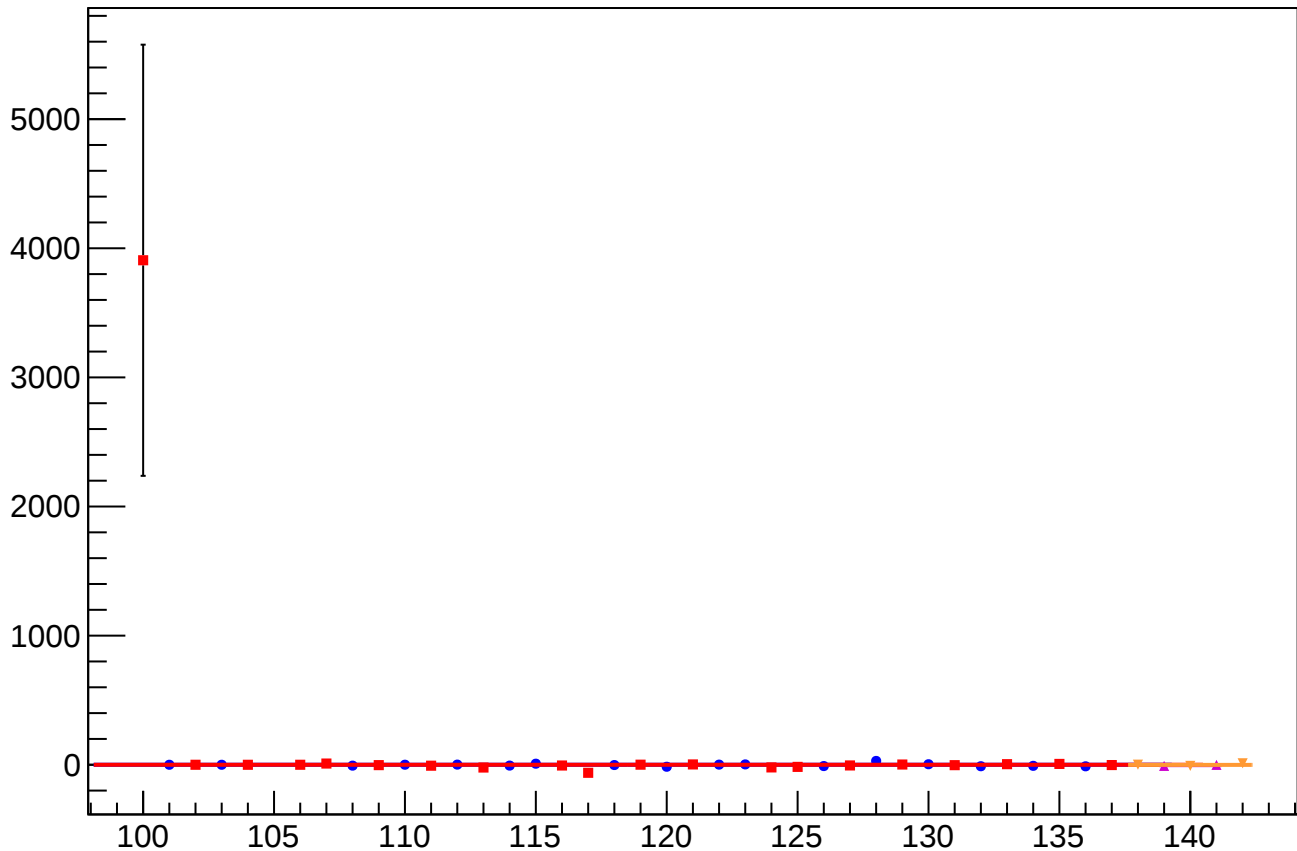
563.860+/-0.151 χ^2/NDF : 3318363.6/19

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

554.957+/-0.153 χ^2/NDF : 3765587.4/21

Left In: 462.629+/-0.266 χ^2/NDF : 14902.5/1

diff_cav4dX_mean vs Slug



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

Left Out: -1.009+/-2.755 χ^2/NDF : 8.9/2

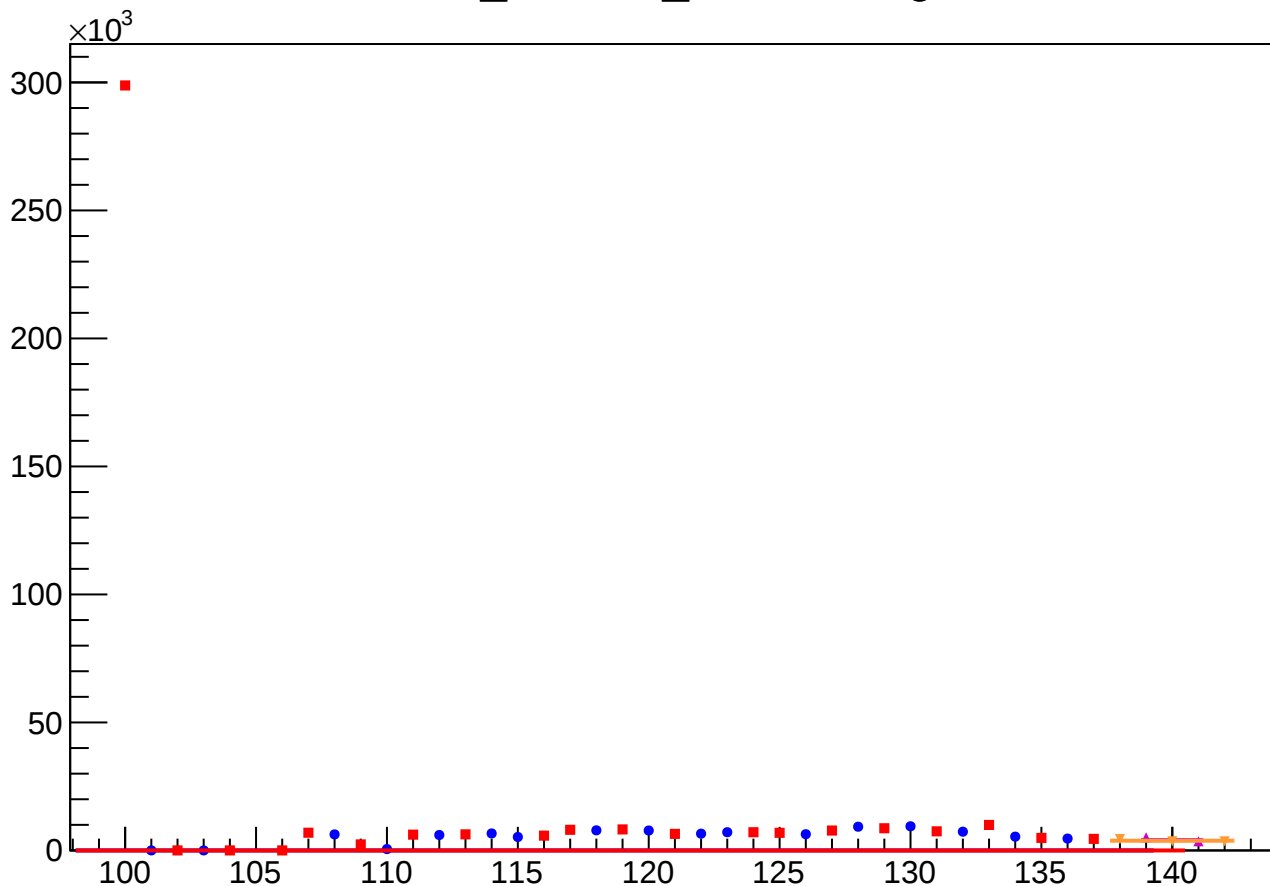
Right Out: -0.027+/-0.020 χ^2/NDF : 20.5/19

Left In: -3.039+/-3.318 χ^2/NDF : 1.1/1

-0.022+/-0.021 χ^2/NDF : 24.7/19

-0.027+/-0.020 χ^2/NDF : 22.4/21

diff_cav4dX_rms vs Slug



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

Left Out: 3810.256 $\pm$ 1.948 χ^2 /NDF: 40797.8/2

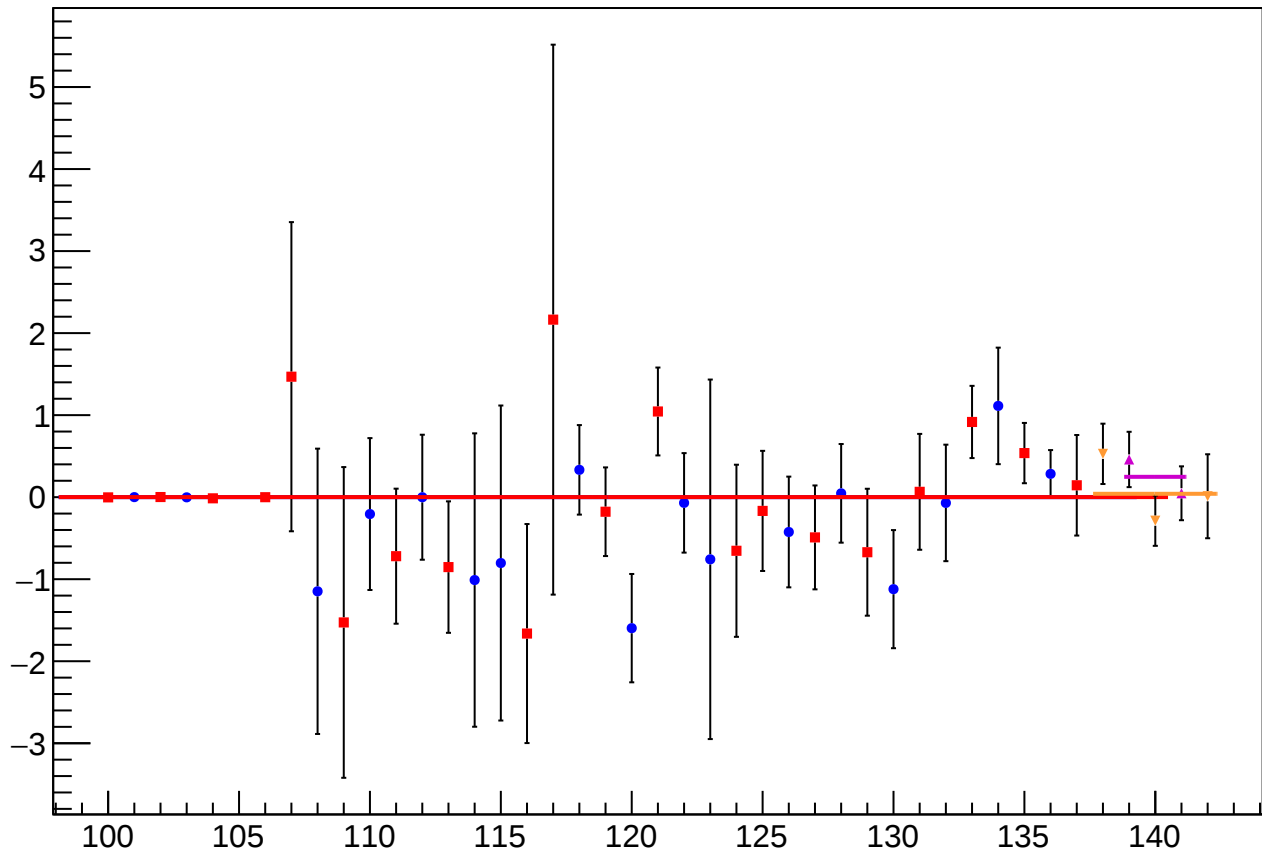
Right Out: 17.271 $\pm$ 0.014 χ^2 /NDF: 10906837.9/19

Left In: 4027.540 $\pm$ 2.346 χ^2 /NDF: 86774.1/1

17.557 $\pm$ 0.015 χ^2 /NDF: 14333896.6/19

17.413 $\pm$ 0.014 χ^2 /NDF: 13915167.6/21

diff_cav4dY_mean vs Slug



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

Left Out: 0.041 $\pm$ 0.214 χ^2 /NDF:2.9/2

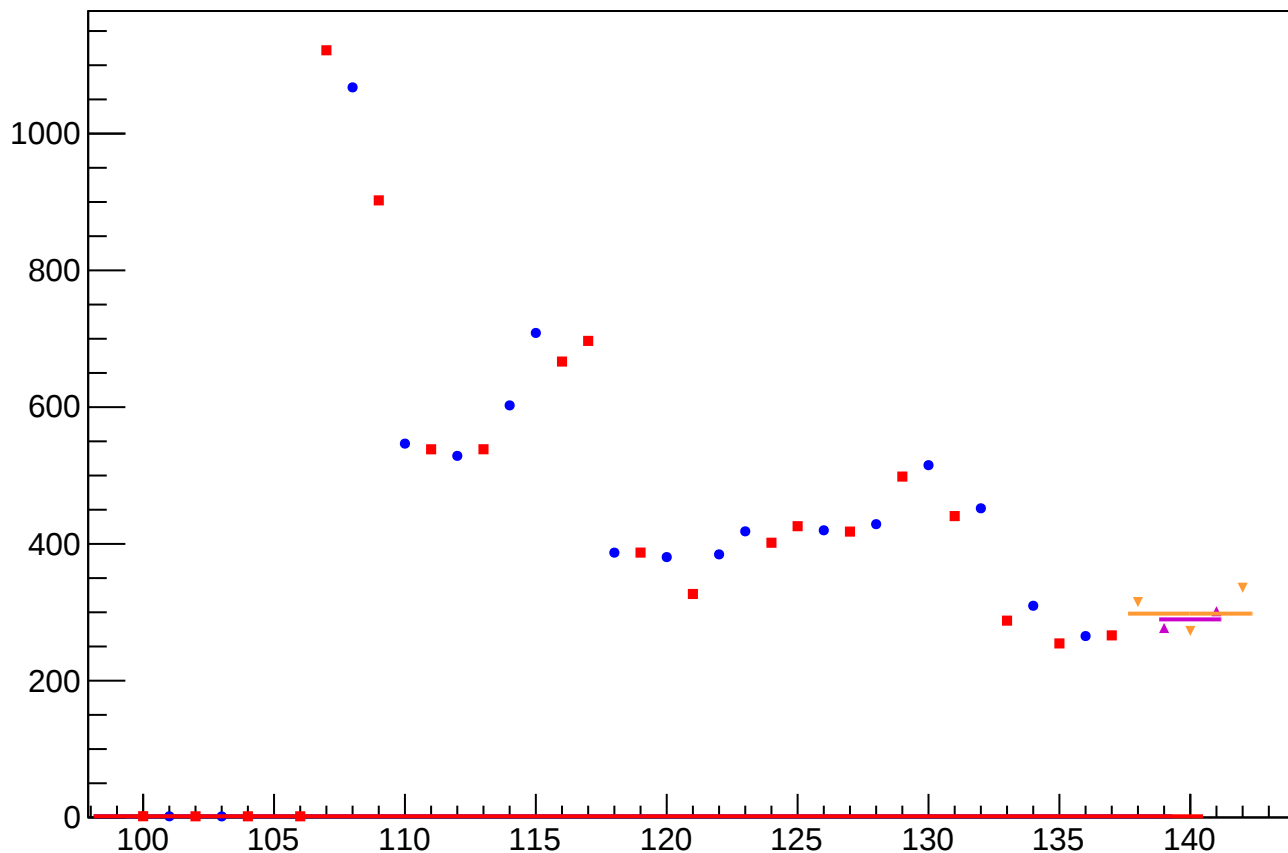
Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 18.3/19

Left In: 0.248 $\pm$ 0.235 χ^2 /NDF:0.8/1

0.000 $\pm$ 0.002 χ^2 /NDF: 16.7/19

0.001 $\pm$ 0.002 χ^2 /NDF: 20.2/21

diff_cav4dY_rms vs Slug



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

Left Out: 298.062+/-0.151 χ^2/NDF : 28777.8/2

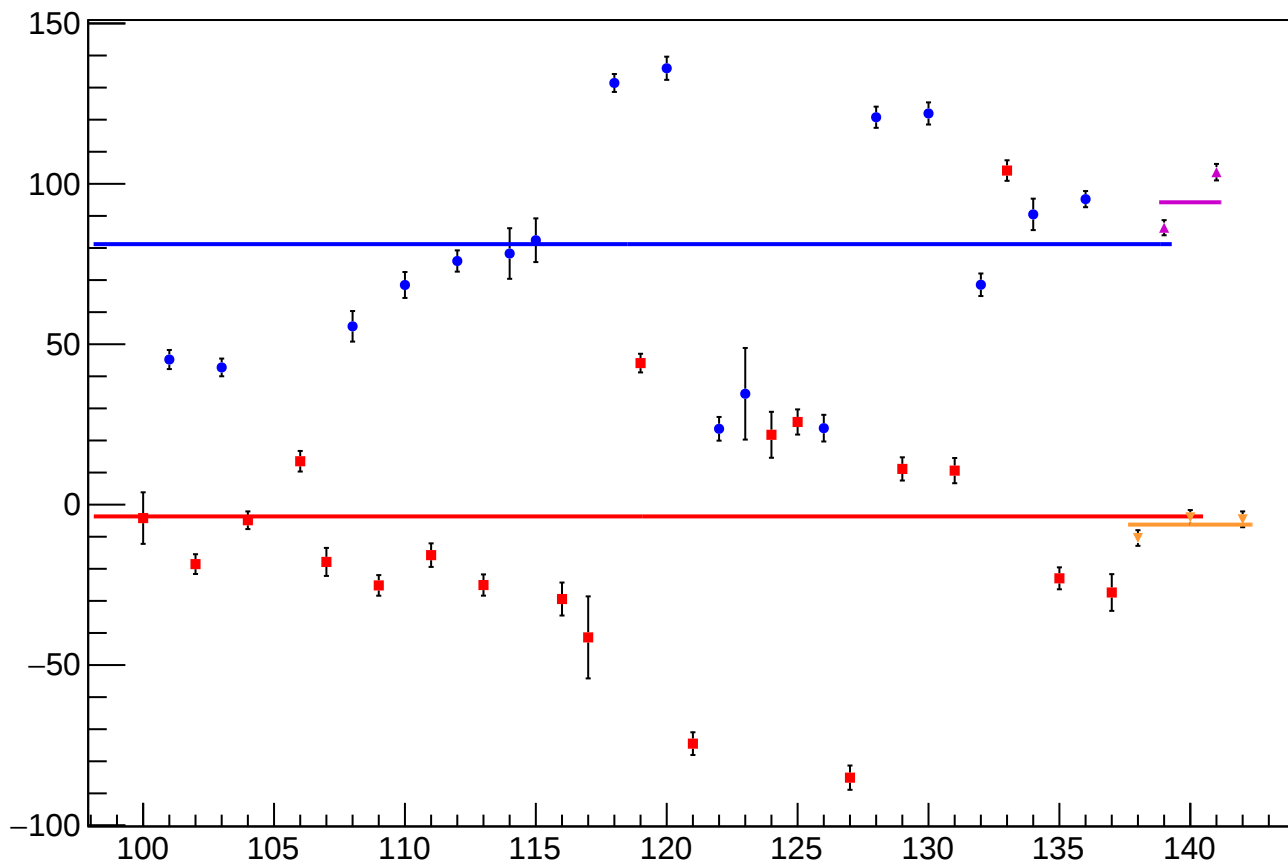
Right Out: 1.729+/-0.001 χ^2/NDF : 10829914.3/19

Left In: 289.642+/-0.166 χ^2/NDF : 5430.1/1

1.726+/-0.001 χ^2/NDF : 14918564.2/19

1.748+/-0.001 χ^2/NDF : 13830185.3/21

diff_bpm0i01X_mean vs Slug



Right In: 81.201+/-0.886 χ^2 /NDF: 1709.8/16

Left Out: -6.225+/-1.383 χ^2 /NDF: 4.3/2

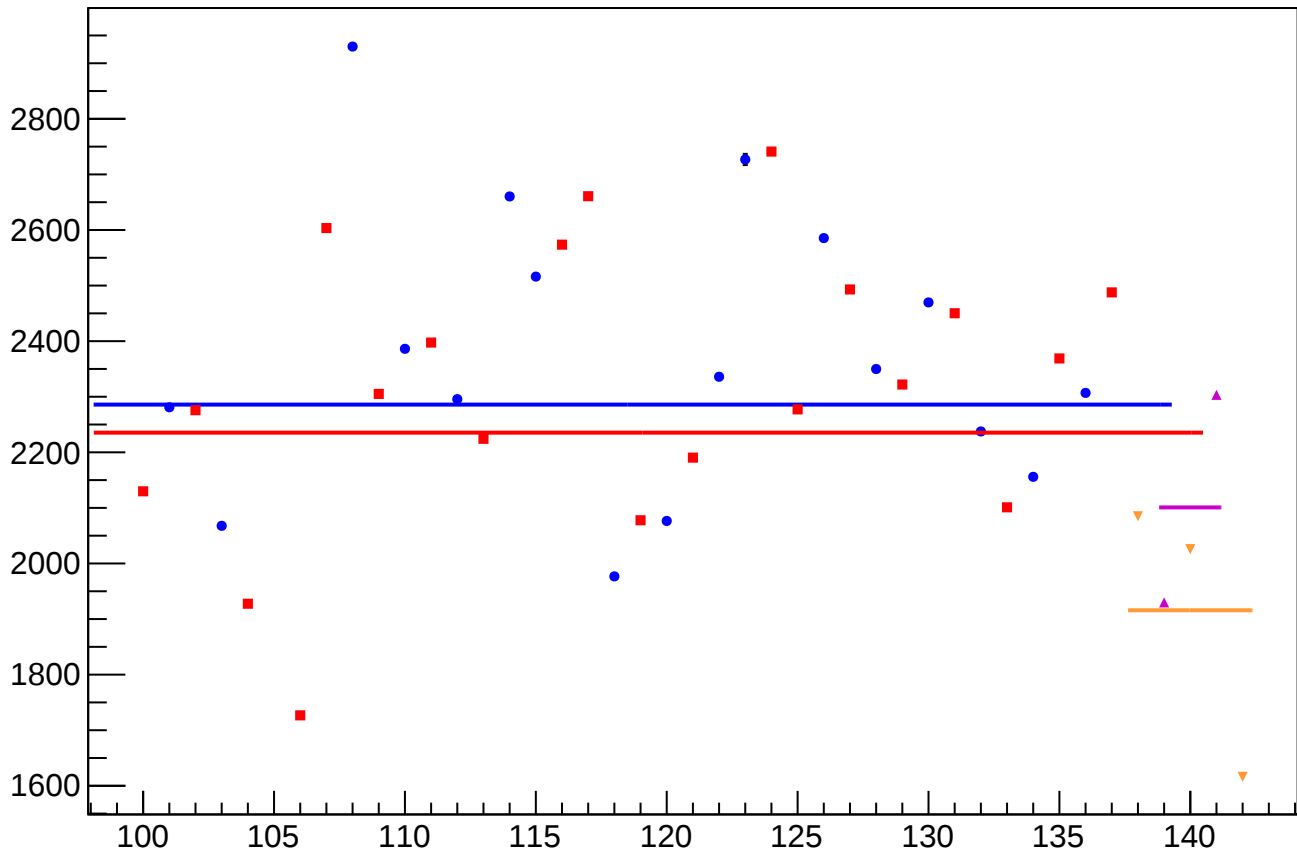
Right Out: -3.672+/-0.841 χ^2 /NDF: 2607.8/19

Left In: 94.247+/-1.738 χ^2 /NDF: 24.6/1

55.770+/-0.746 χ^2 /NDF: 4548.4/19

14.898+/-0.757 χ^2 /NDF: 5205.2/21

diff_bpm0i01X_rms vs Slug



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

Left Out: 1915.767+/-0.978 χ^2/NDF : 43769.0/2

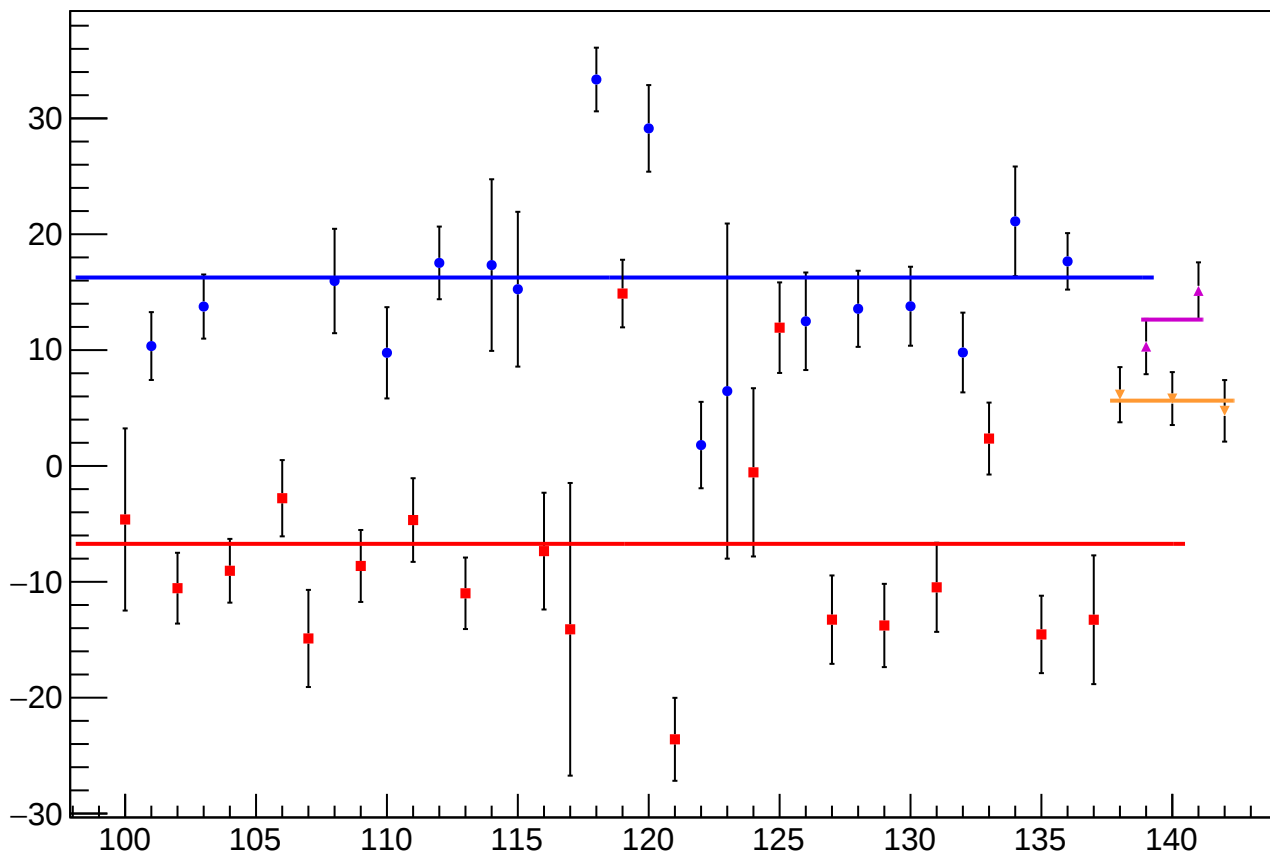
Right Out: 2235.394+/-0.594 χ^2/NDF : 149072.1/19

Left In: 2100.869+/-1.229 χ^2/NDF : 22931.9/1

2178.203+/-0.527 χ^2/NDF : 254681.9/19

2209.882+/-0.535 χ^2/NDF : 181715.9/21

diff_bpm0i01Y_mean vs Slug



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

Left Out: 5.638 ± 1.400 χ^2/NDF : 0.2/2

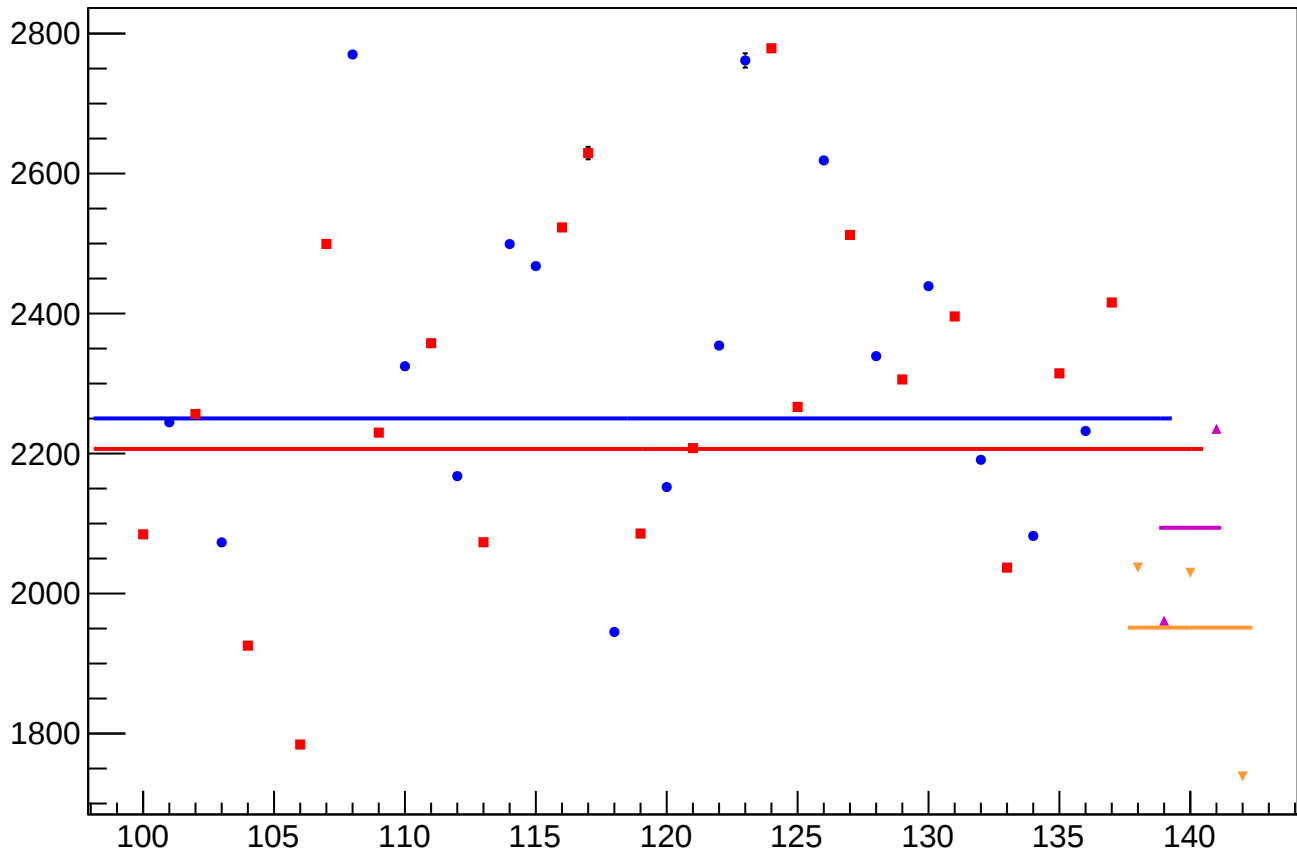
Right Out: -6.722 ± 0.829 χ^2/NDF : 134.3/19

Left In: 12.633 ± 1.713 χ^2/NDF : 2.0/1

13.299 ± 0.740 χ^2/NDF : 122.5/19

-3.050 ± 0.746 χ^2/NDF : 239.7/21

diff_bpm0i01Y_rms vs Slug



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

Left Out: 1951.292 ± 0.990 χ^2/NDF : 17769.8/2

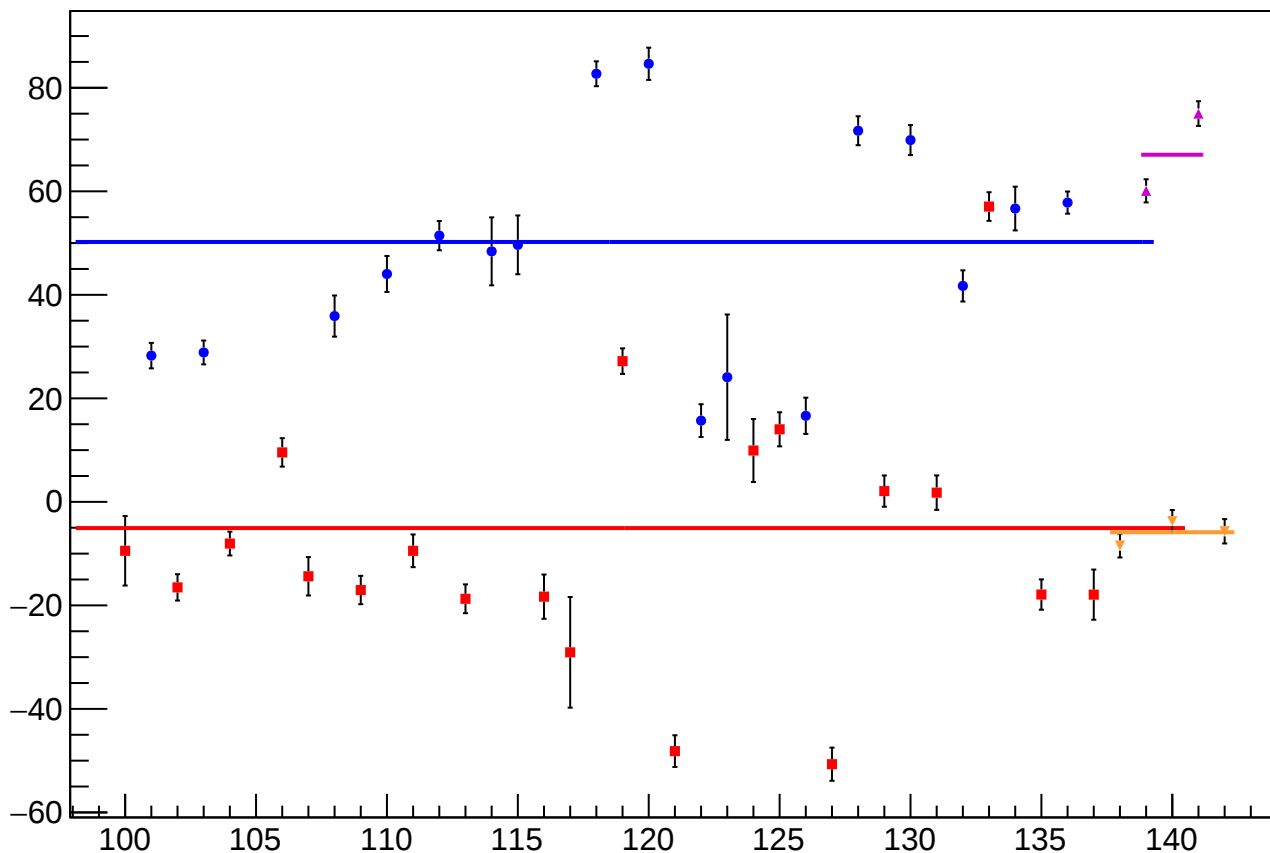
Right Out: 2206.617 ± 0.586 χ^2/NDF : 128476.5/19

Left In: 2093.961 ± 1.211 χ^2/NDF : 12797.6/1

2166.744 ± 0.523 χ^2/NDF : 181010.4/19

2185.241 ± 0.528 χ^2/NDF : 148283.1/21

diff_bpm0i01aX_mean vs Slug



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

Left Out: -5.868+/-1.312 χ^2 /NDF:2.2/2

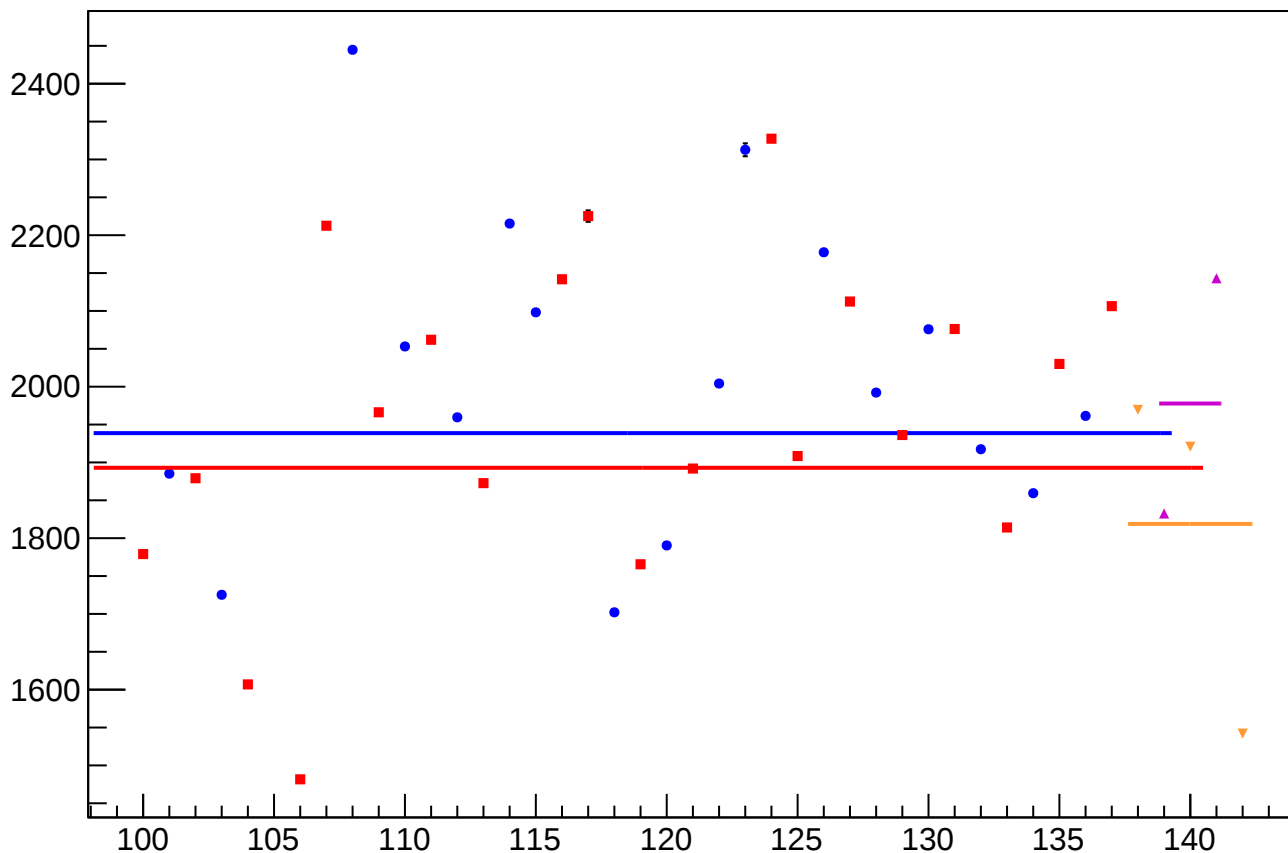
Right Out: -5.065+/-0.712 χ^2 /NDF: 1267.6/19

Left In: 67.070+/-1.633 χ^2 /NDF:20.8/1

36.377+/-0.652 χ^2 /NDF: 2209.4/19

6.455+/-0.653 χ^2 /NDF: 2928.5/21

diff_bpm0i01aX_rms vs Slug



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

Left Out: 1818.800 ± 0.928 χ^2/NDF : 40630.8/2

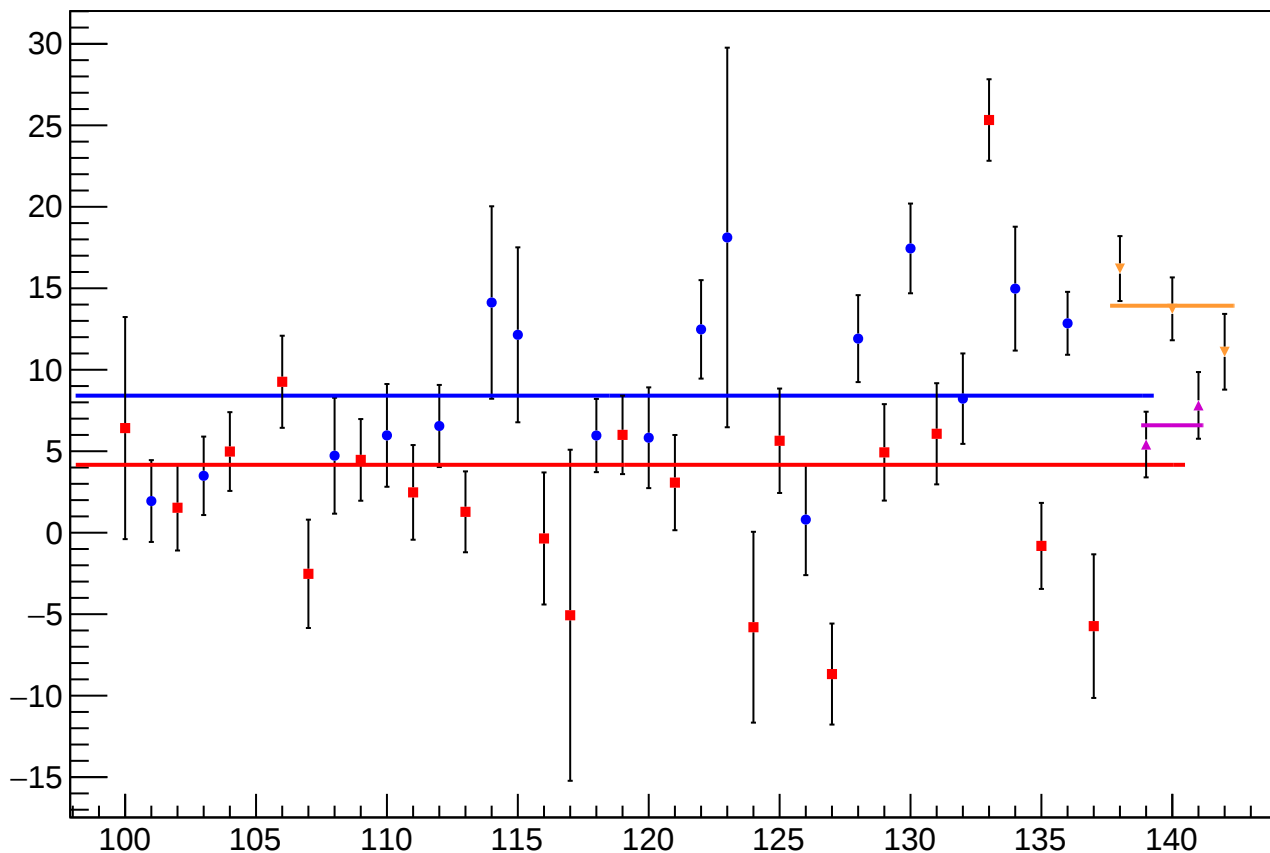
Right Out: 1892.946 ± 0.503 χ^2/NDF : 148563.2/19

Left In: 1977.765 ± 1.155 χ^2/NDF : 18007.9/1

1909.106 ± 0.461 χ^2/NDF : 153357.6/19

1906.491 ± 0.461 χ^2/NDF : 171106.1/21

diff_bpm0i01aY_mean vs Slug



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

Left Out: 13.930 ± 1.190 χ^2/NDF : 2.8/2

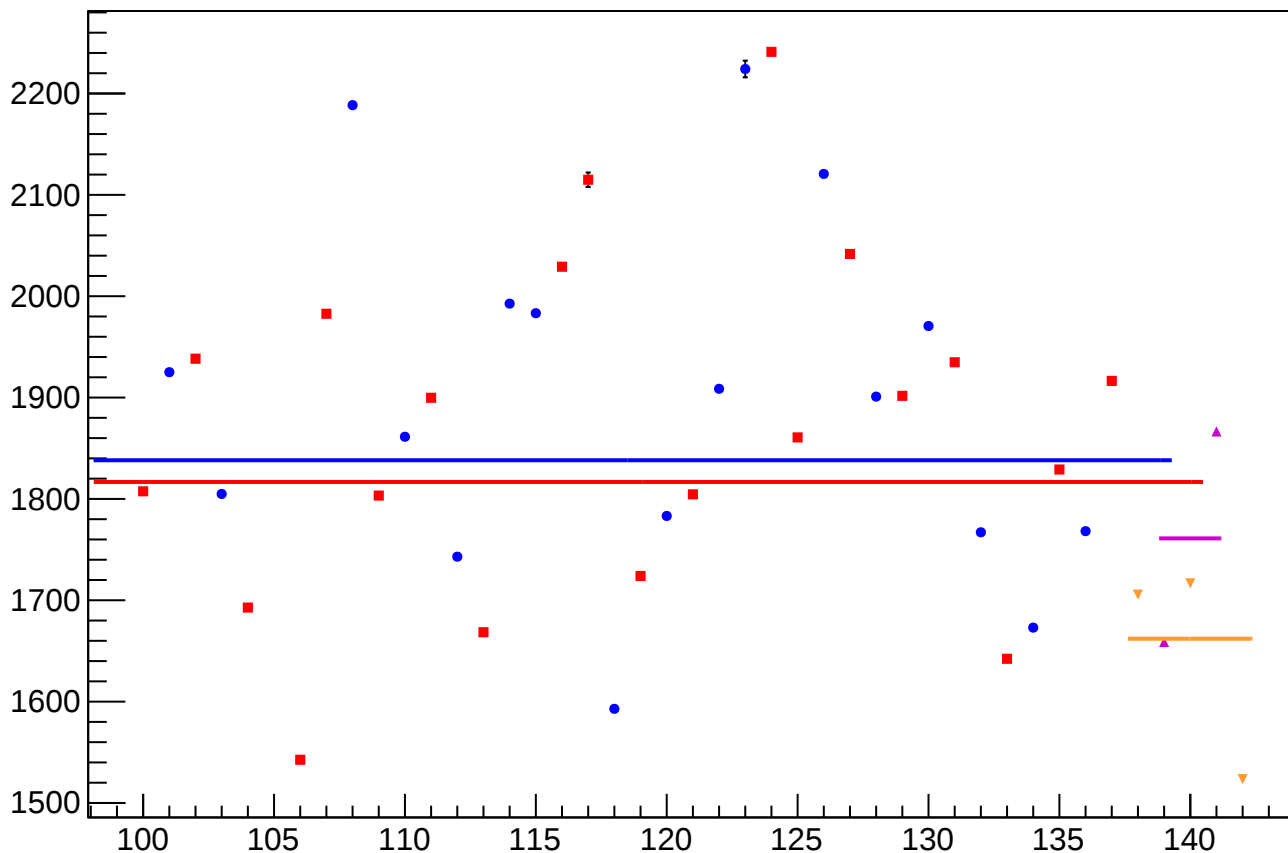
Right Out: 4.167 ± 0.681 χ^2/NDF : 113.9/19

Left In: 6.592 ± 1.436 χ^2/NDF : 0.7/1

9.863 ± 0.611 χ^2/NDF : 63.2/19

4.612 ± 0.615 χ^2/NDF : 116.9/21

diff_bpm0i01aY_rms vs Slug



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

Left Out: 1662.065 $\pm$ 0.842 χ^2 /NDF:9666.7/2

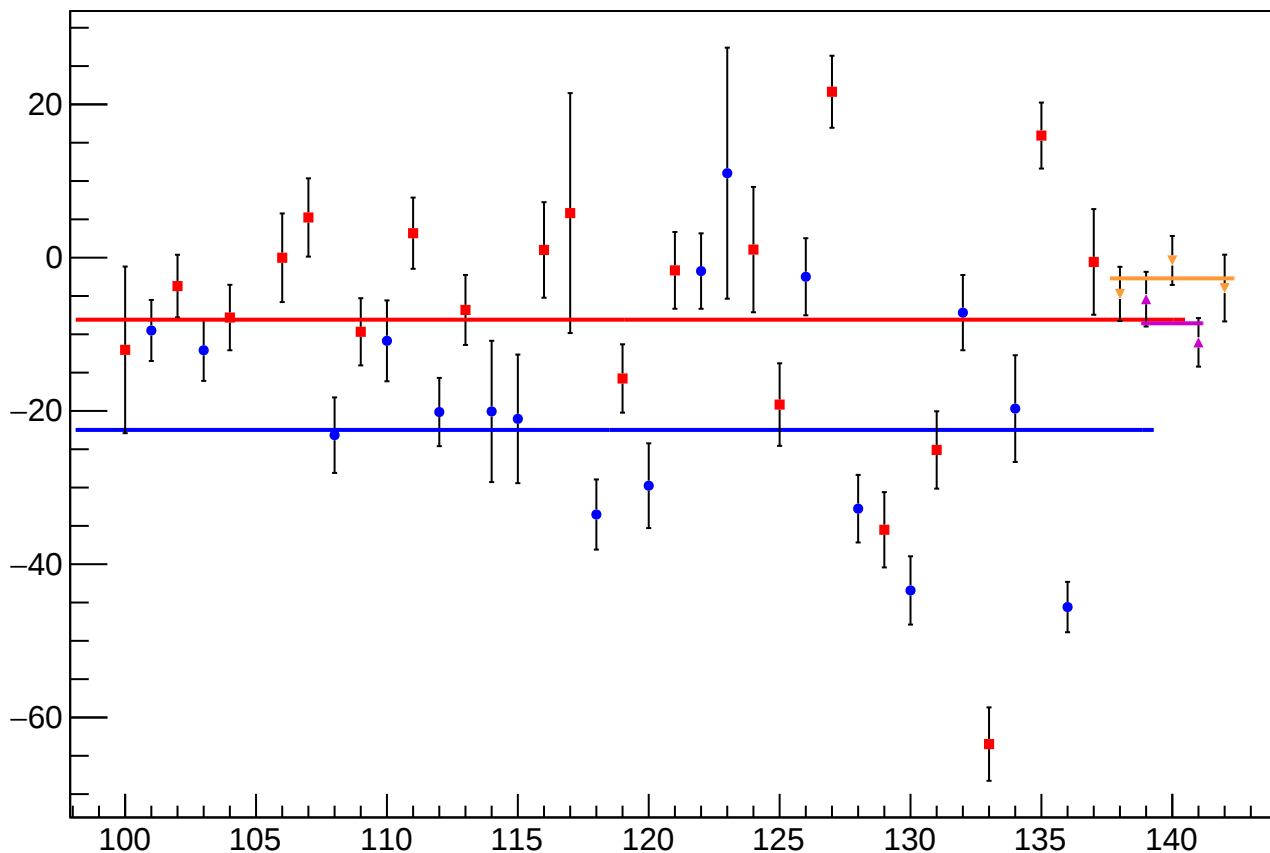
Right Out: 1816.748 $\pm$ 0.481 χ^2 /NDF: 89149.7/19

Left In: 1761.065 $\pm$ 1.015 χ^2 /NDF:10459.1/1

1791.811 $\pm$ 0.432 χ^2 /NDF: 124801.3/19

1806.526 $\pm$ 0.435 χ^2 /NDF: 102064.5/21

diff_bpm0l01X_mean vs Slug



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

Left Out: -2.702 ± 2.082 χ^2/NDF : 0.9/2

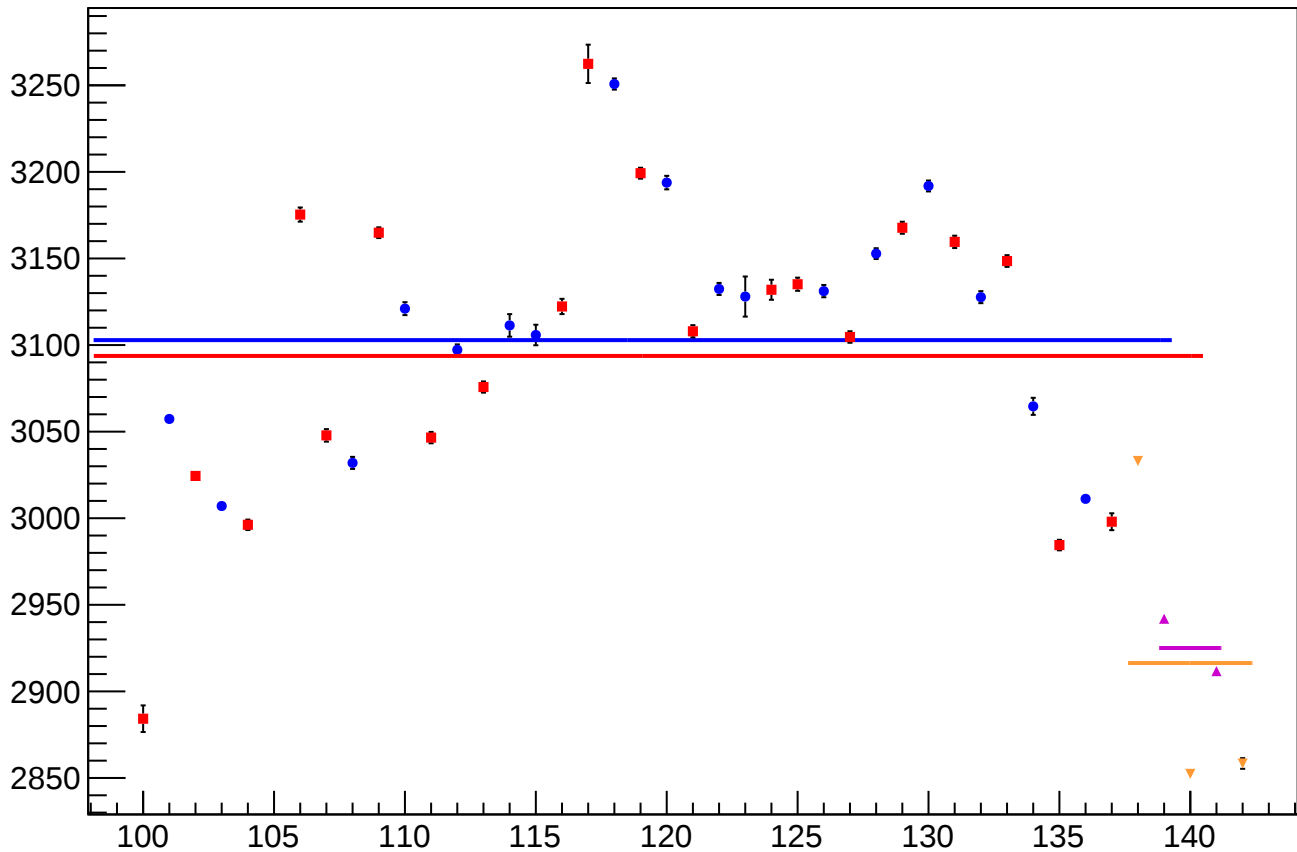
Right Out: -8.093 ± 1.153 χ^2/NDF : 277.7/19

Left In: -8.566 ± 2.369 χ^2/NDF : 1.4/1

-17.580 ± 1.036 χ^2/NDF : 223.5/19

-8.184 ± 1.037 χ^2/NDF : 279.1/21

diff_bpm0l01X_rms vs Slug



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

Left Out: 2916.376 $\pm$ 1.473 χ^2/NDF : 3333.9/2

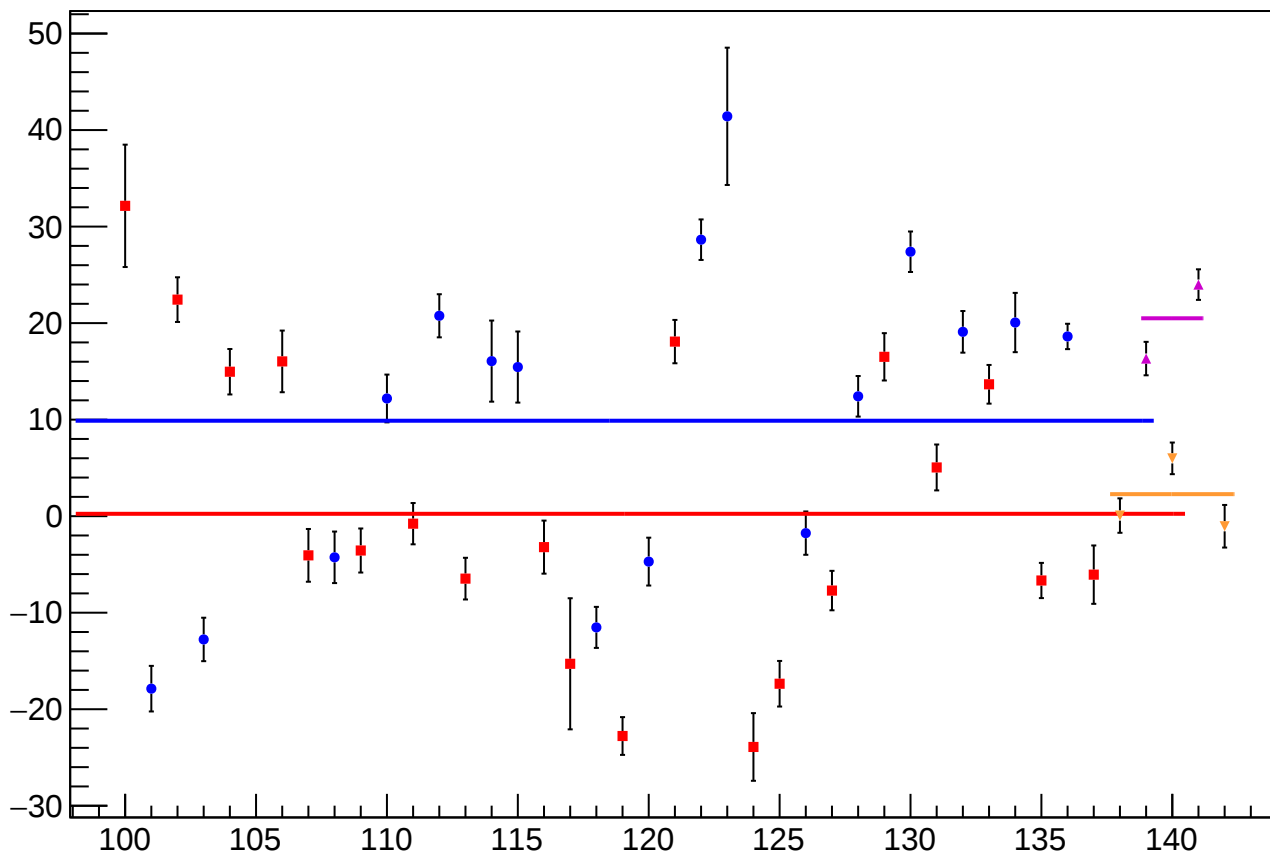
Right Out: 3093.715 $\pm$ 0.816 χ^2/NDF : 7996.8/19

Left In: 2925.054 $\pm$ 1.675 χ^2/NDF : 80.5/1

3056.669 $\pm$ 0.733 χ^2/NDF : 22743.6/19

3061.388 $\pm$ 0.733 χ^2/NDF : 16274.7/21

diff_bpm0l01Y_mean vs Slug



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

Left Out: 2.282 $\pm$ 1.059 χ^2 /NDF: 8.9/2

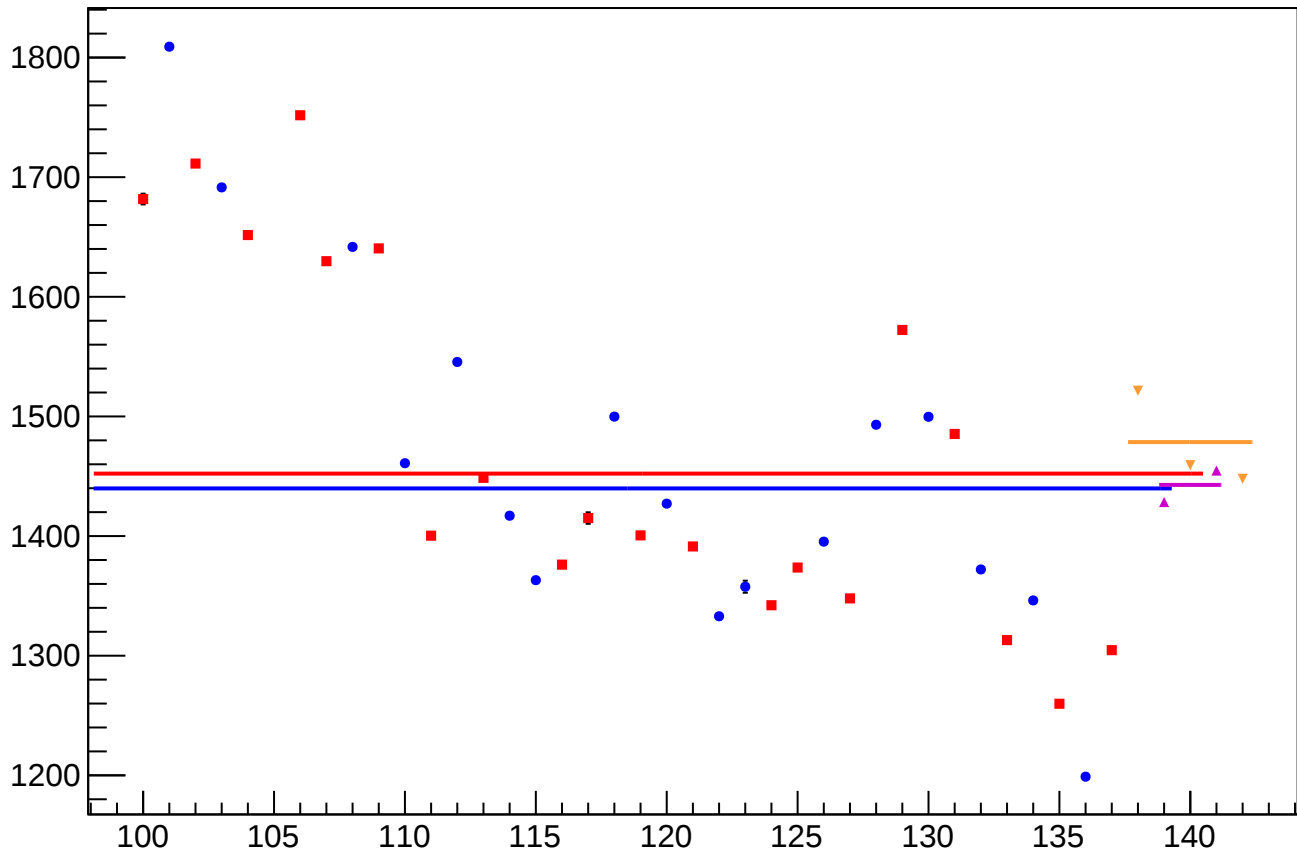
Right Out: 0.245 $\pm$ 0.545 χ^2 /NDF: 634.1/19

Left In: 20.501 $\pm$ 1.169 χ^2 /NDF: 10.7/1

8.227 $\pm$ 0.495 χ^2 /NDF: 752.9/19

3.862 $\pm$ 0.494 χ^2 /NDF: 891.3/21

diff_bpm0l01Y_rms vs Slug



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

Left Out: 1478.573+/-0.749 χ^2/NDF :1823.7/2

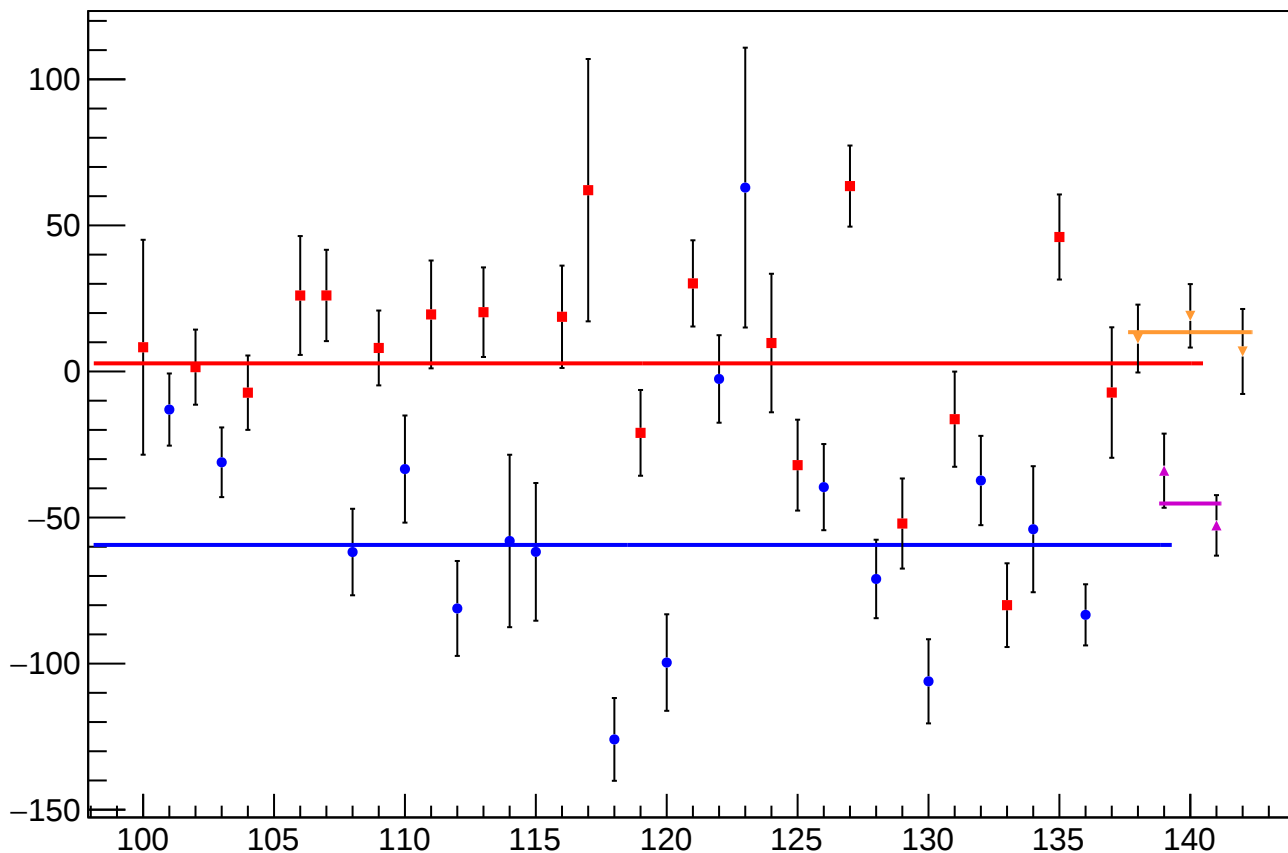
Right Out: 1452.211+/-0.385 χ^2/NDF : 138579.9/19

Left In: 1442.768+/-0.827 χ^2/NDF :250.8/1

1448.283+/-0.350 χ^2/NDF : 176741.0/19

1450.525+/-0.349 χ^2/NDF : 138937.8/21

diff_bpm0l02X_mean vs Slug



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

Left Out: 13.452 ± 6.965 χ^2/NDF : 0.5/2

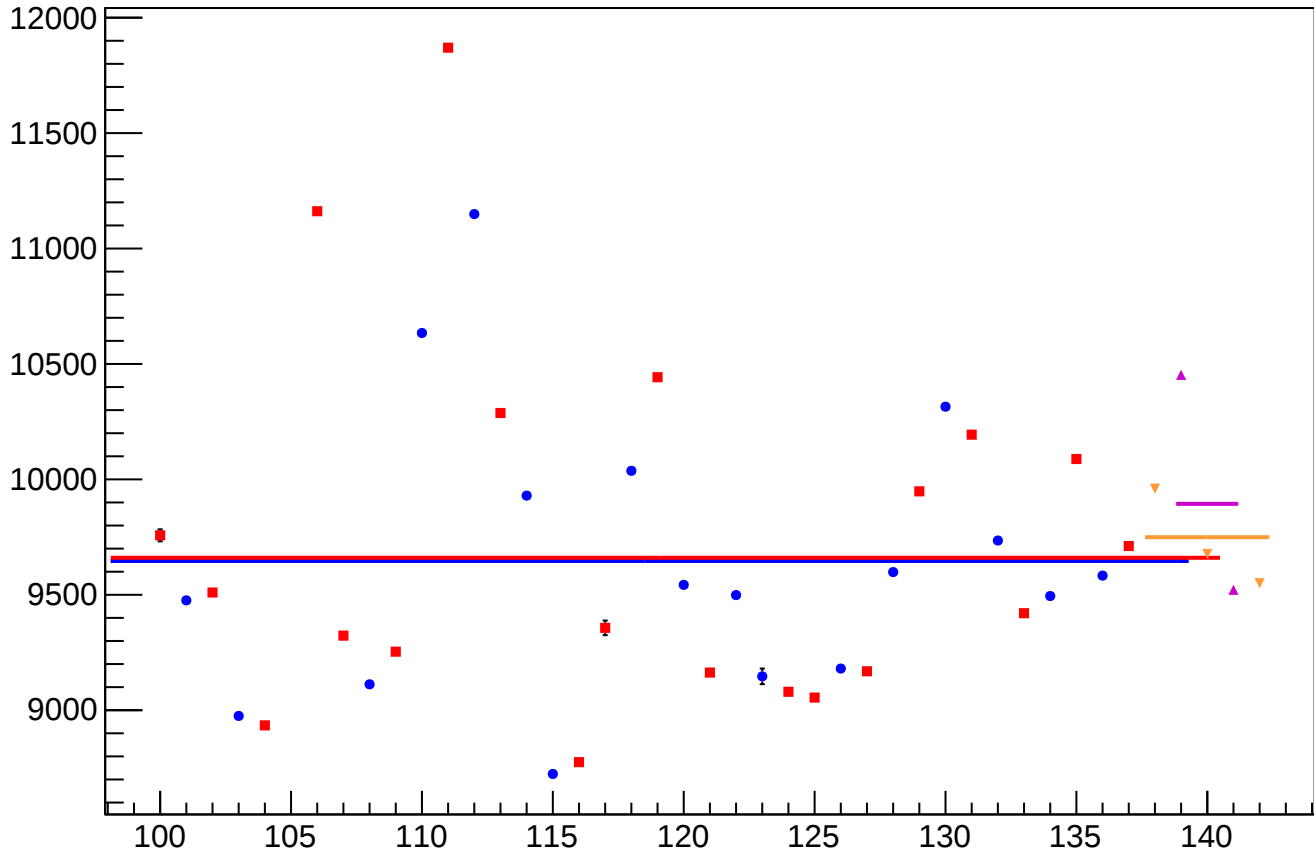
Right Out: 2.776 ± 3.618 χ^2/NDF : 95.7/19

Left In: -45.198 ± 8.026 χ^2/NDF : 1.3/1

-43.150 ± 3.287 χ^2/NDF : 178.4/19

-5.326 ± 3.298 χ^2/NDF : 126.7/21

diff_bpm0l02X_rms vs Slug



Right In: 9646.480 ± 2.637 $\chi^2/\text{NDF}: 44060.3/16$

Left Out: 9749.521 ± 4.925 $\chi^2/\text{NDF}: 1121.1/2$

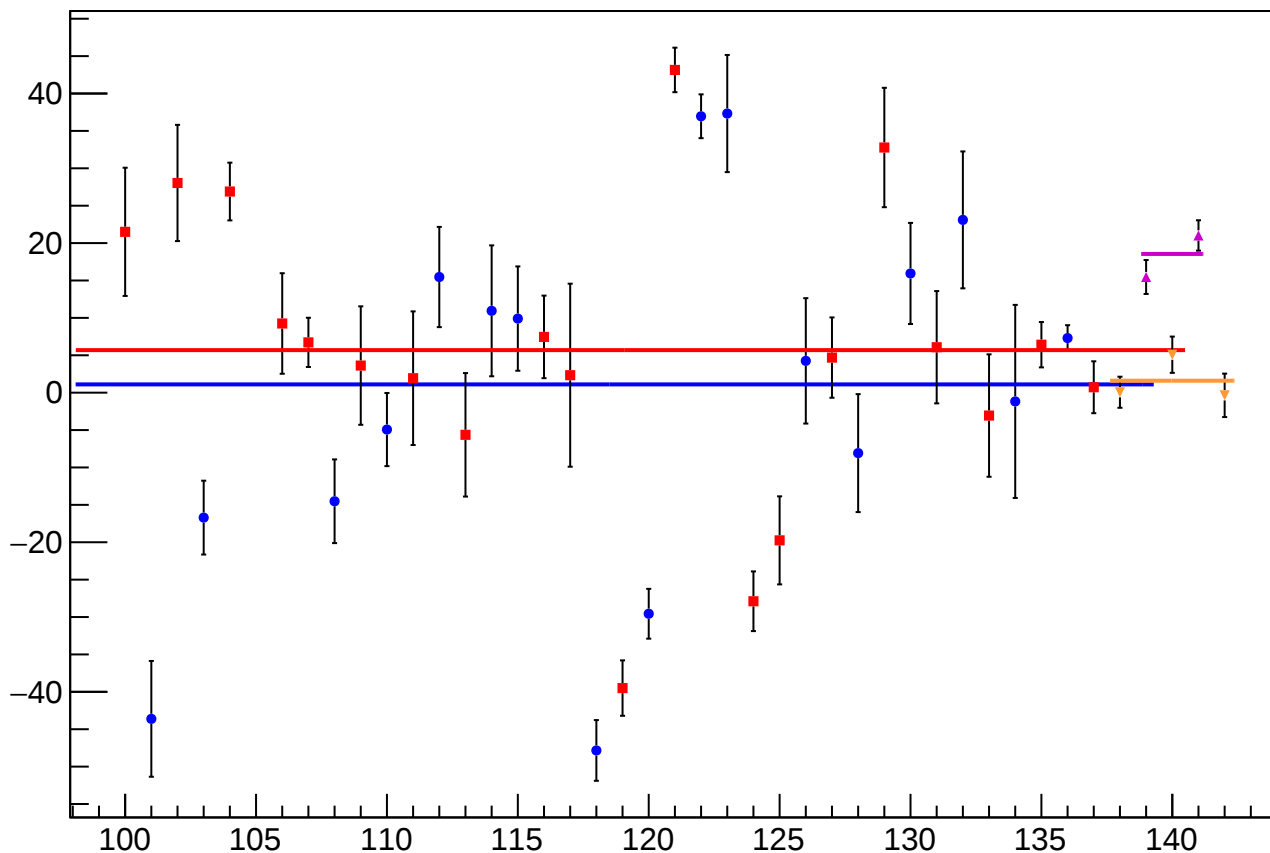
Right Out: 9660.380 ± 2.558 $\chi^2/\text{NDF}: 77676.0/19$

Left In: 9894.025 ± 5.675 $\chi^2/\text{NDF}: 6460.6/1$

9669.435 ± 2.324 $\chi^2/\text{NDF}: 45521.6/19$

9699.837 ± 2.332 $\chi^2/\text{NDF}: 85545.3/21$

diff_bpm0l02Y_mean vs Slug



Right In: 1.106 ± 1.066 χ^2/NDF : 489.7/16

Left Out: 1.601 ± 1.386 χ^2/NDF : 3.1/2

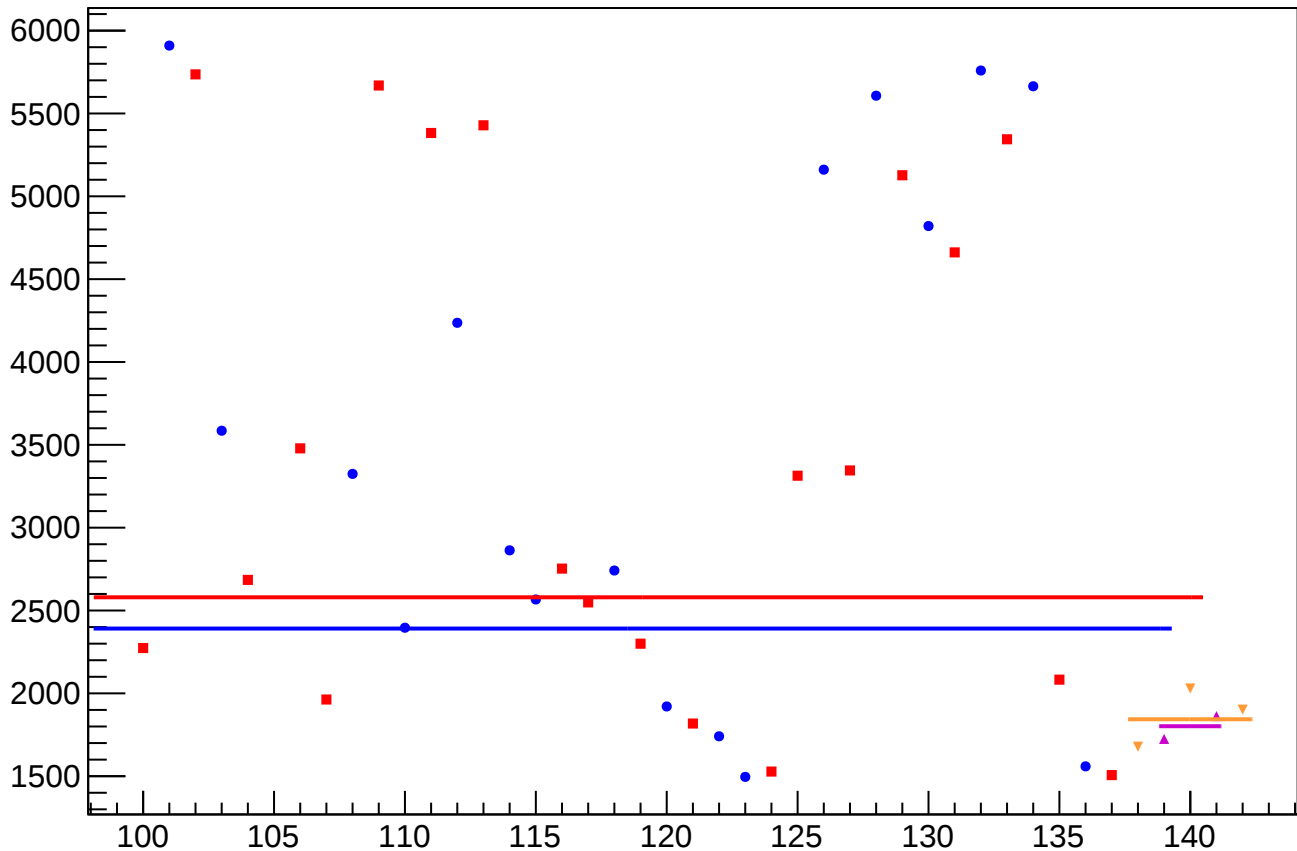
Right Out: 5.689 ± 1.087 χ^2/NDF : 456.0/19

Left In: 18.549 ± 1.513 χ^2/NDF : 3.3/1

1.290 ± 0.845 χ^2/NDF : 492.8/19

10.065 ± 0.883 χ^2/NDF : 507.0/21

diff_bpm0l02Y_rms vs Slug



Right In: 2391.162+/-0.754 χ^2/NDF : 2600547.2/16

Left Out: 1843.669+/-0.980 χ^2/NDF : 25217.4/2

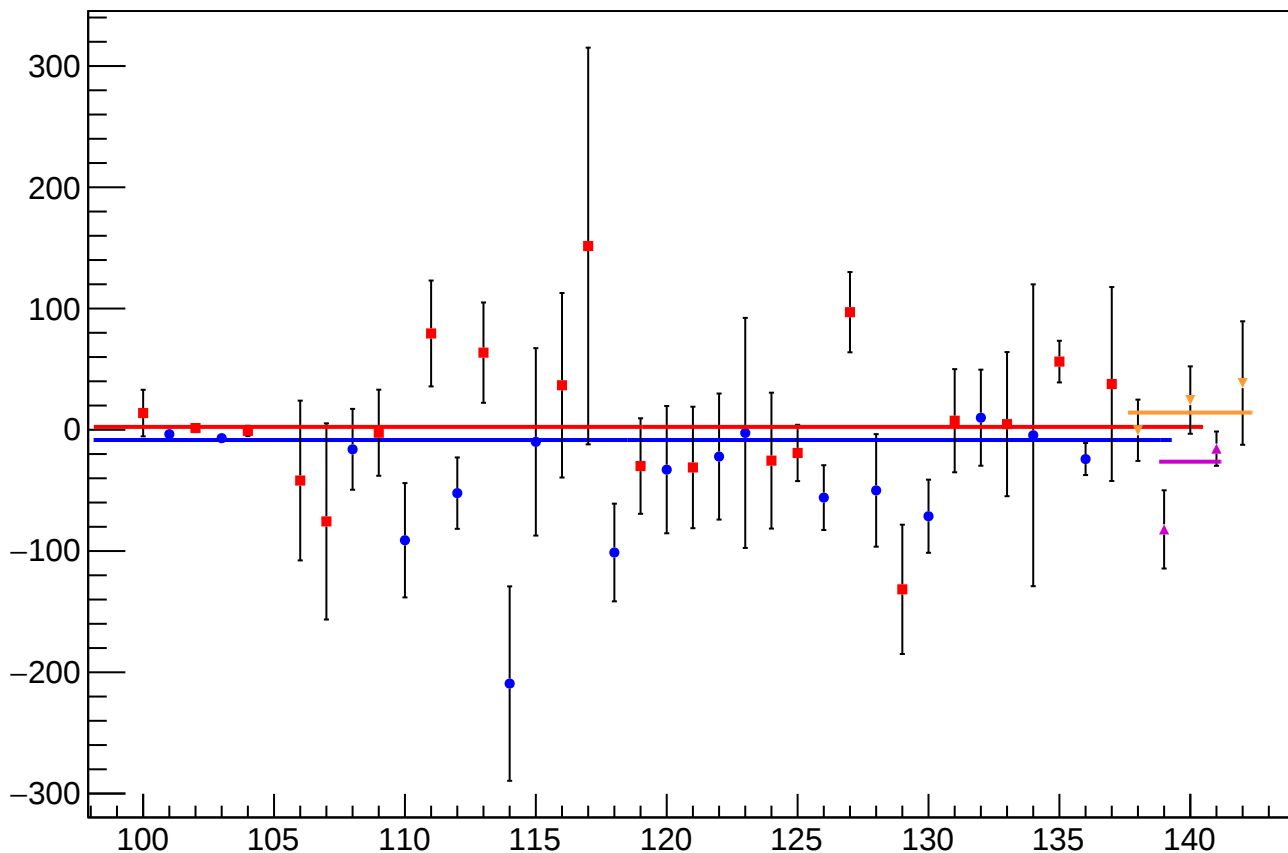
Right Out: 2579.794+/-0.768 χ^2/NDF : 2365284.2/19

Left In: 1801.650+/-1.070 χ^2/NDF : 4087.9/1

2187.609+/-0.598 χ^2/NDF : 2821737.6/19

2315.033+/-0.624 χ^2/NDF : 2718226.6/21

diff_bpm0l03X_mean vs Slug



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

Left Out: 14.160 ± 17.551 χ^2/NDF : 0.7/2

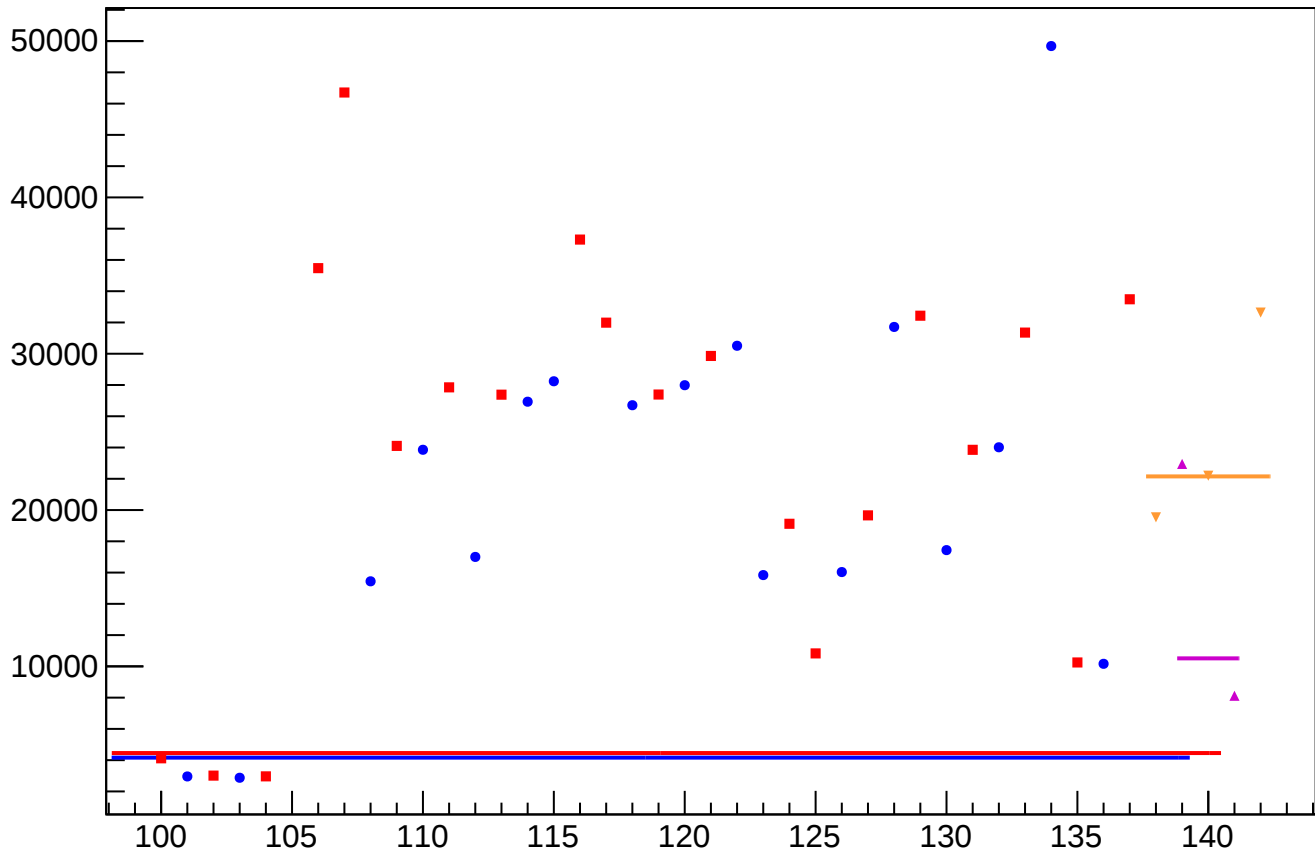
Right Out: 2.392 ± 2.786 χ^2/NDF : 35.5/19

Left In: -26.297 ± 12.956 χ^2/NDF : 3.6/1

-7.950 ± 2.560 χ^2/NDF : 31.2/19

1.123 ± 2.724 χ^2/NDF : 43.8/21

diff_bpm0l03X_rms vs Slug



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

Left Out: 22152.079+/-12.410 χ^2/NDF : 106228.4/2

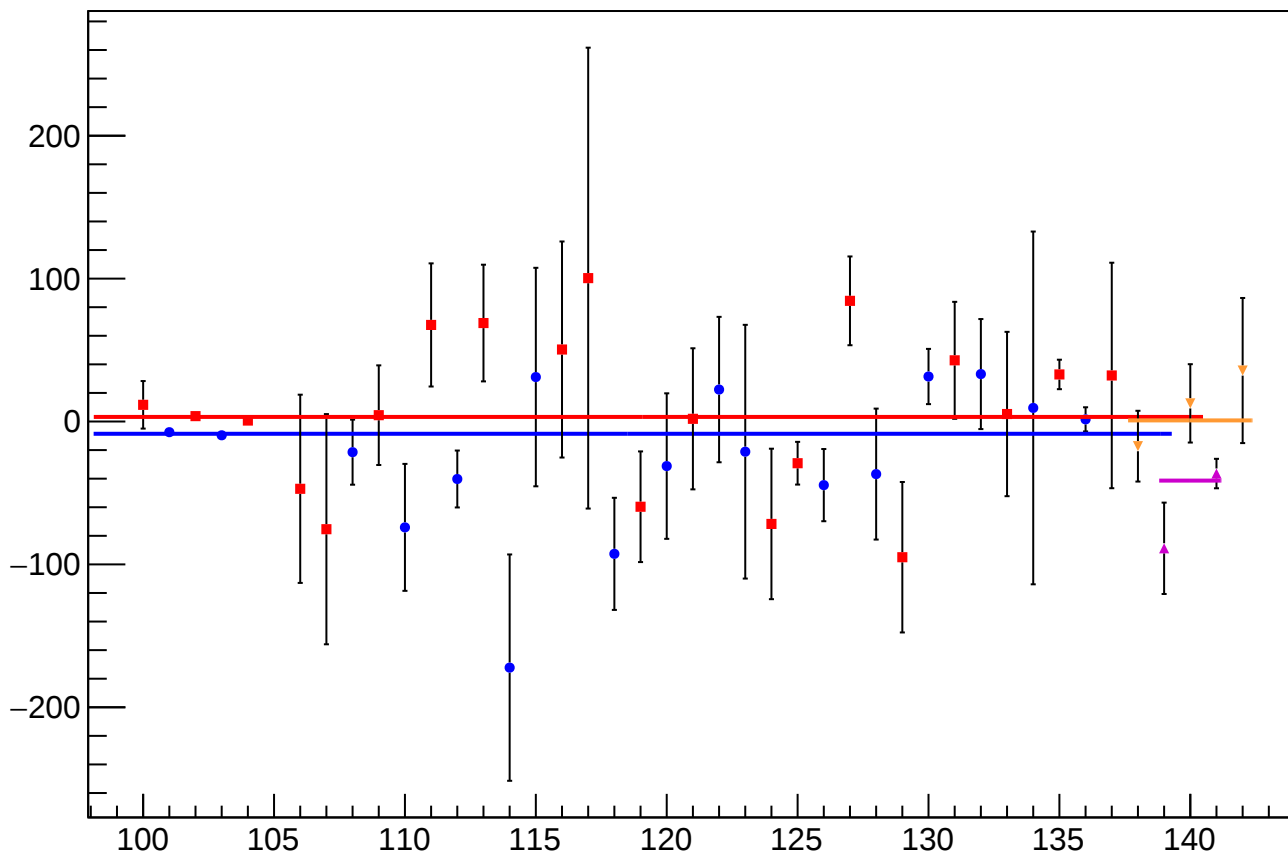
Right Out: 4455.114+/-1.970 χ^2/NDF : 7483602.5/19

Left In: 10511.934+/-9.161 χ^2/NDF : 354555.8/1

4544.987+/-1.810 χ^2/NDF : 8152865.8/19

4722.877+/-1.926 χ^2/NDF : 8255921.6/21

diff_bpm0l03Y_mean vs Slug



Right In: -8.586 ± 1.778 $\chi^2/\text{NDF}: 24.4/16$

Left Out: 0.770 ± 17.282 $\chi^2/\text{NDF}: 1.2/2$

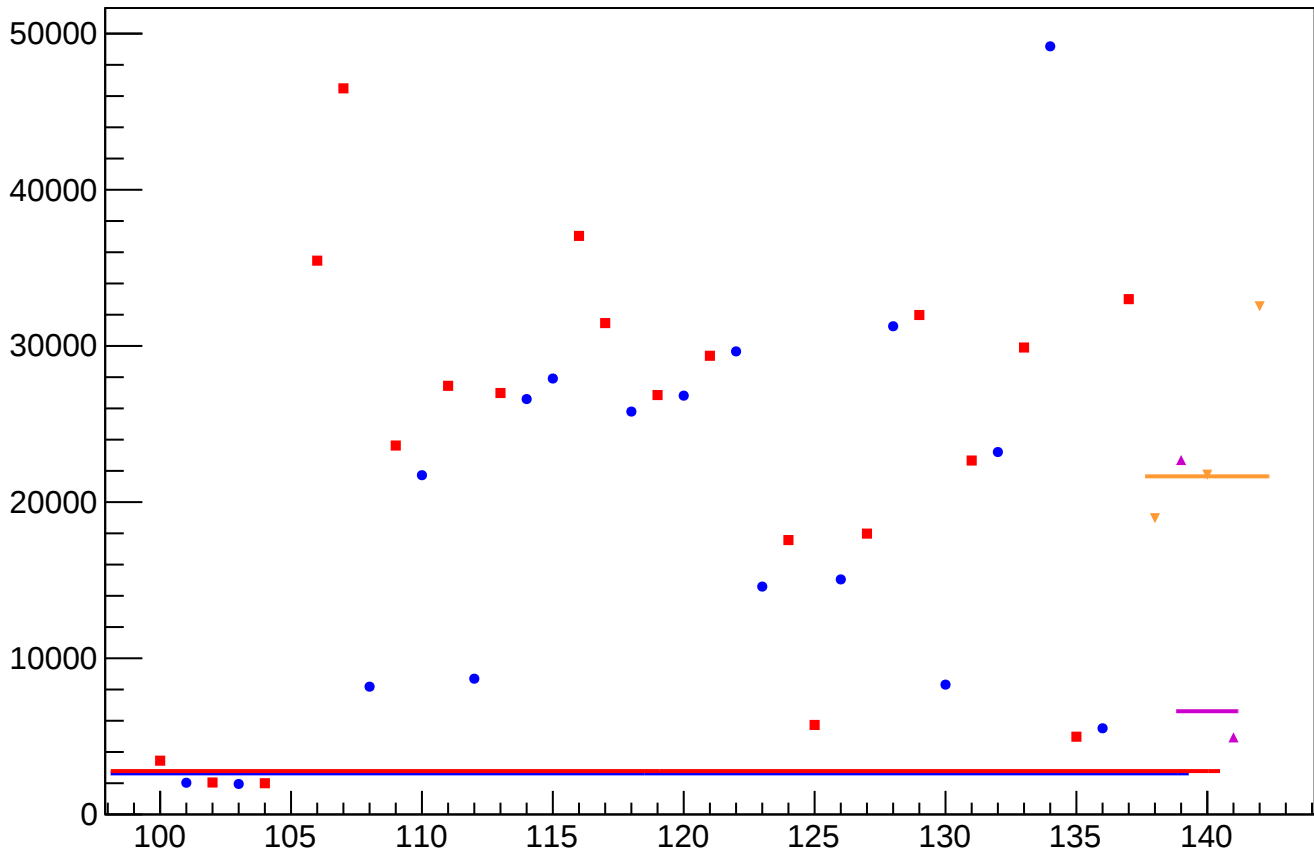
Right Out: 3.208 ± 1.922 $\chi^2/\text{NDF}: 37.2/19$

Left In: -41.353 ± 9.814 $\chi^2/\text{NDF}: 2.4/1$

-8.488 ± 1.768 $\chi^2/\text{NDF}: 25.9/19$

1.561 ± 1.886 $\chi^2/\text{NDF}: 59.5/21$

diff_bpm0l03Y_rms vs Slug



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

Left Out: 21649.689+/-12.220 χ^2/NDF : 115368.4/2

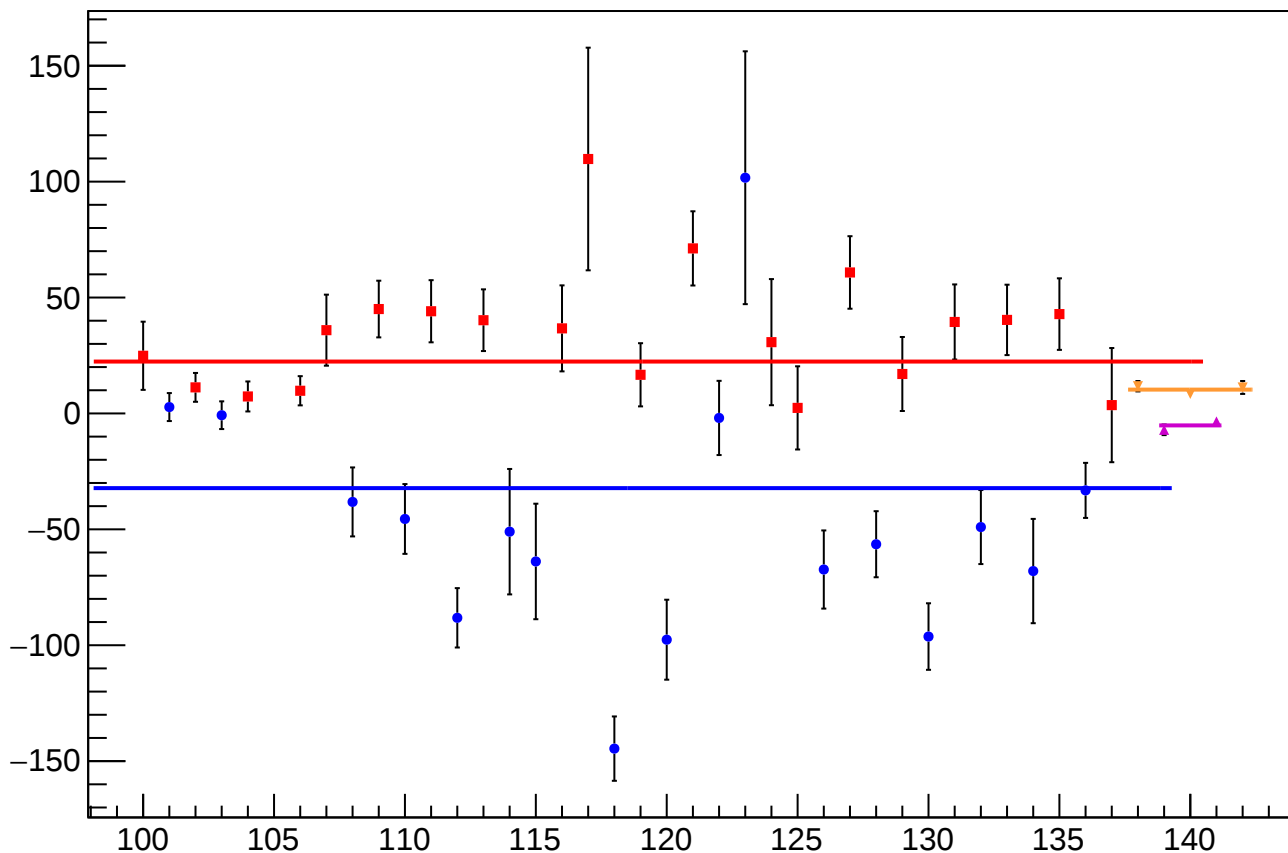
Right Out: 2777.521+/-1.359 χ^2/NDF : 7899165.0/19

Left In: 6609.969+/-6.939 χ^2/NDF : 558900.3/1

2829.705+/-1.250 χ^2/NDF : 8101399.7/19

2919.107+/-1.334 χ^2/NDF : 8751813.5/21

diff_bpm0l04X_mean vs Slug



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

Left Out: 10.278 ± 1.354 χ^2/NDF : 1.3/2

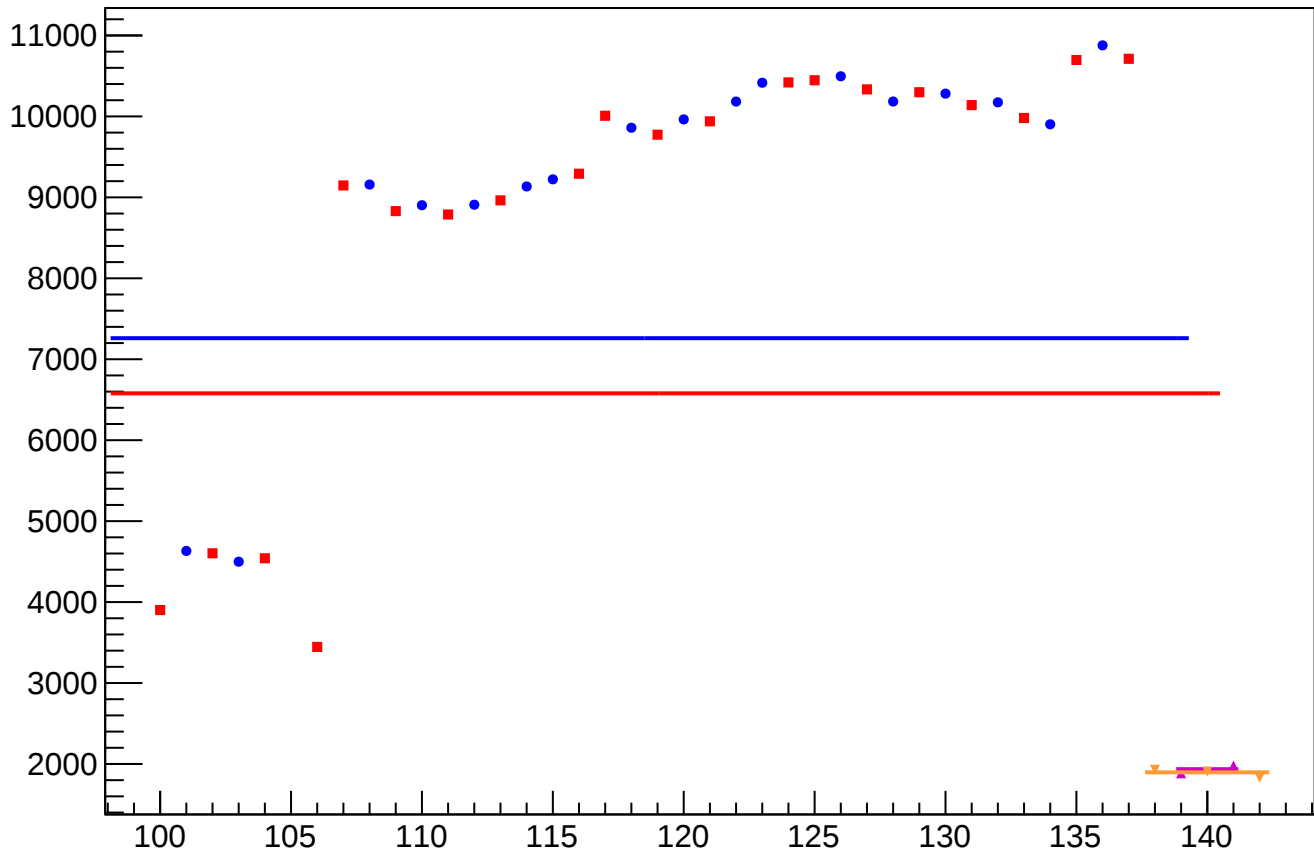
Right Out: 22.381 ± 2.665 χ^2/NDF : 47.0/19

Left In: -5.163 ± 1.569 χ^2/NDF : 1.3/1

3.008 ± 1.233 χ^2/NDF : 373.4/19

1.928 ± 1.352 χ^2/NDF : 127.6/21

diff_bpm0l04X_rms vs Slug



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

Left Out: 1896.507+/-0.958 χ^2/NDF :1530.0/2

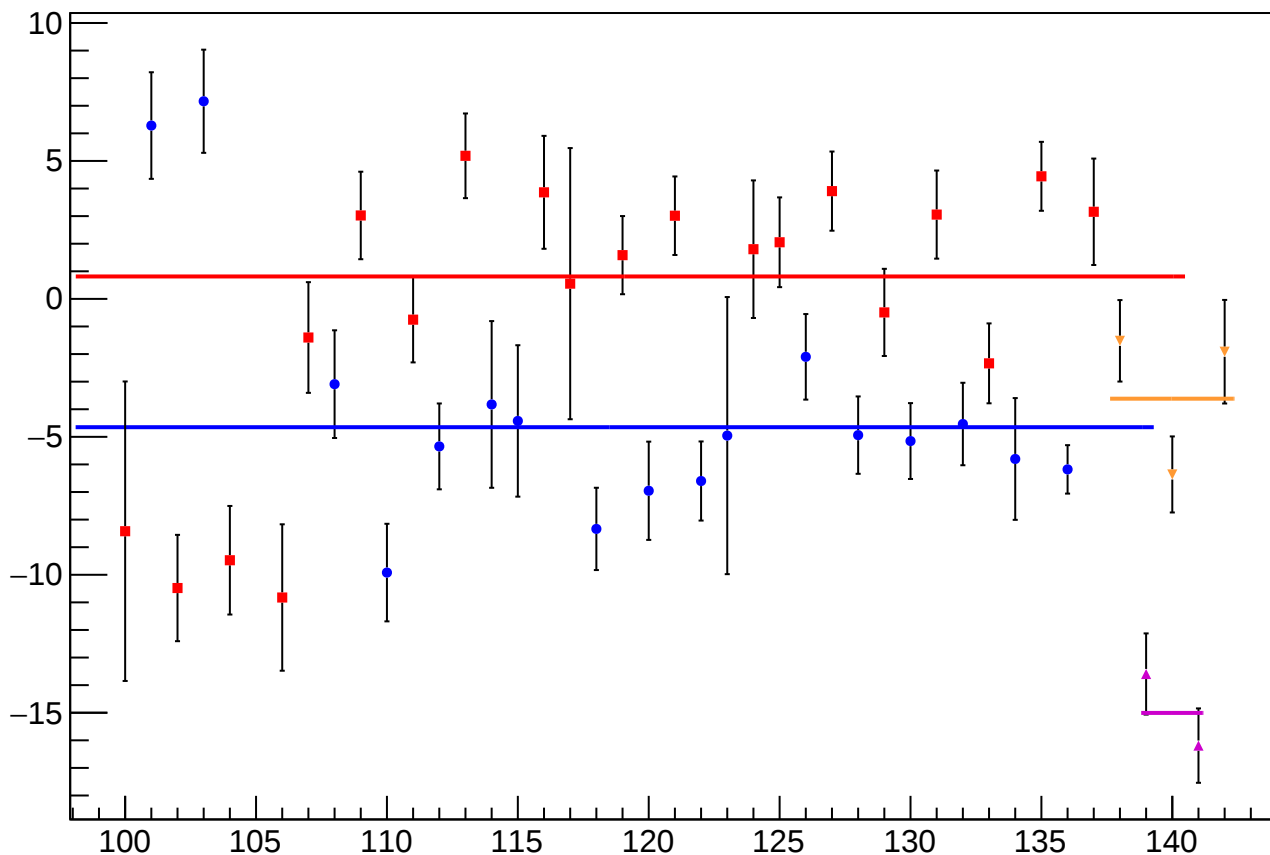
2814.033+/-0.872 χ^2/NDF : 7003504.0/19

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

3131.095+/-0.956 χ^2/NDF : 6715695.1/21

Left In: 1935.804+/-1.110 χ^2/NDF :1842.6/1

diff_bpm0l04Y_mean vs Slug



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

Left Out: -3.617 ± 0.888 χ^2/NDF : 6.8/2

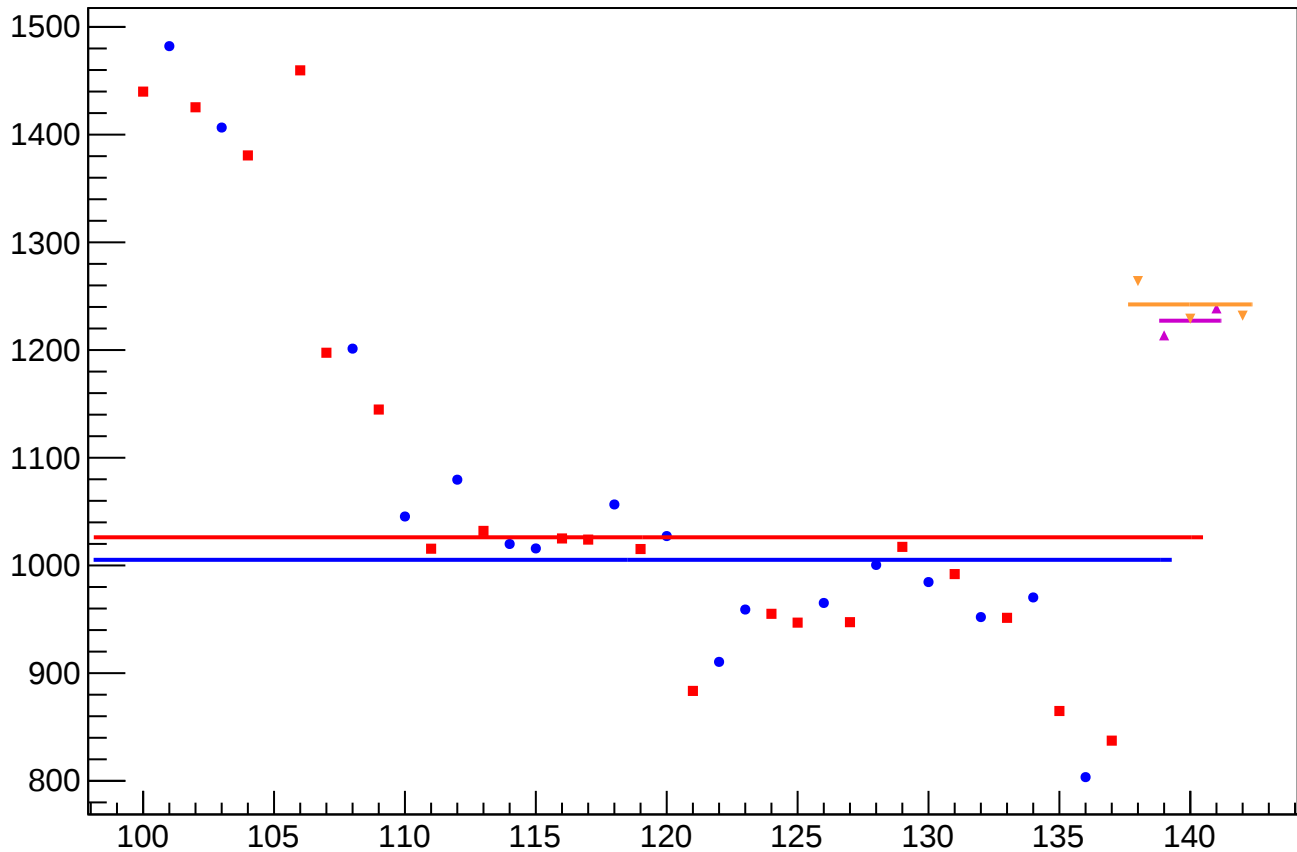
Right Out: 0.813 ± 0.387 χ^2/NDF : 123.7/19

Left In: -15.007 ± 0.994 χ^2/NDF : 1.7/1

-4.482 ± 0.359 χ^2/NDF : 105.5/19

-1.272 ± 0.361 χ^2/NDF : 345.3/21

diff_bpm0l04Y_rms vs Slug



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

Left Out: 1242.359+/-0.628 χ^2/NDF : 677.7/2

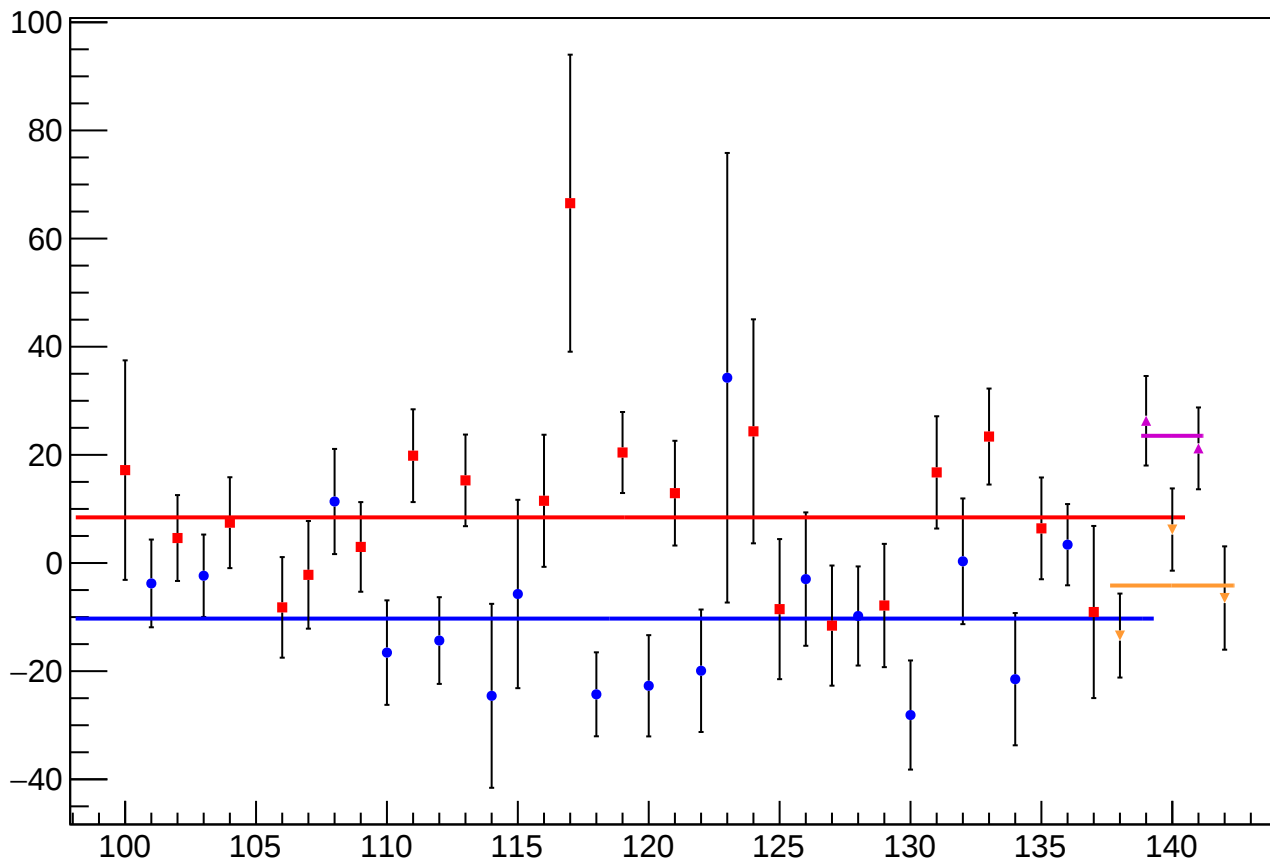
Right Out: 1026.145+/-0.274 χ^2/NDF : 333119.4/19

Left In: 1227.248+/-0.703 χ^2/NDF : 315.1/1

1044.021+/-0.254 χ^2/NDF : 481983.3/19

1052.654+/-0.255 χ^2/NDF : 404517.5/21

diff_bpm0l05X_mean vs Slug



Right In: -10.277 ± 2.408 $\chi^2/\text{NDF}: 23.5/16$

Left Out: -4.162 ± 4.724 $\chi^2/\text{NDF}: 3.3/2$

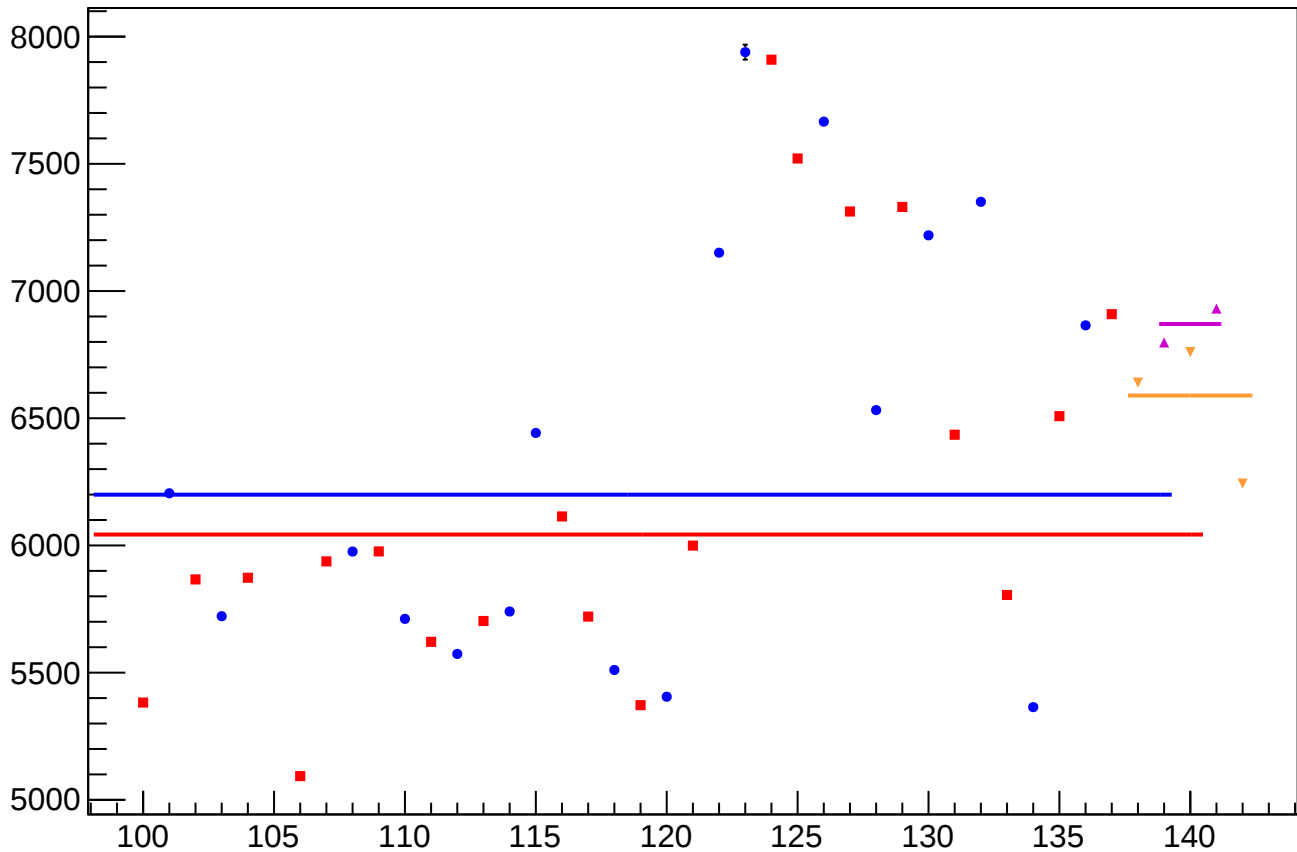
Right Out: 8.441 ± 2.271 $\chi^2/\text{NDF}: 27.3/19$

Left In: 23.525 ± 5.585 $\chi^2/\text{NDF}: 0.2/1$

-9.016 ± 2.145 $\chi^2/\text{NDF}: 28.1/19$

10.580 ± 2.103 $\chi^2/\text{NDF}: 33.7/21$

diff_bpm0l05X_rms vs Slug



Right In: 6199.617+/-1.703 χ^2/NDF : 171760.4/16

Left Out: 6589.357+/-3.340 χ^2/NDF : 3716.8/2

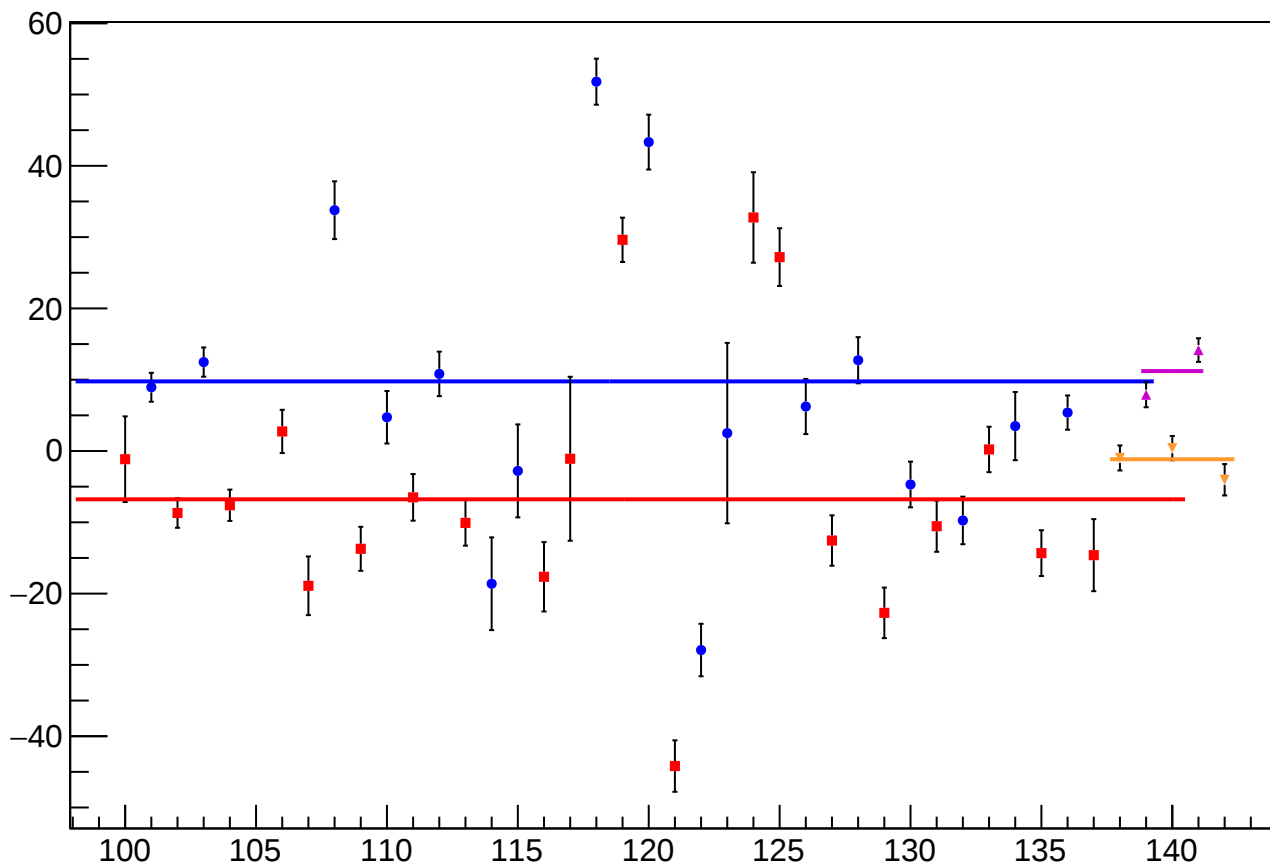
Right Out: 6042.952+/-1.606 χ^2/NDF : 158600.9/19

Left In: 6870.477+/-3.949 χ^2/NDF : 282.1/1

6279.998+/-1.517 χ^2/NDF : 186284.4/19

6160.329+/-1.487 χ^2/NDF : 196562.5/21

diff_bpm0l05Y_mean vs Slug



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

Left Out: -1.155 ± 1.069 χ^2/NDF : 2.6/2

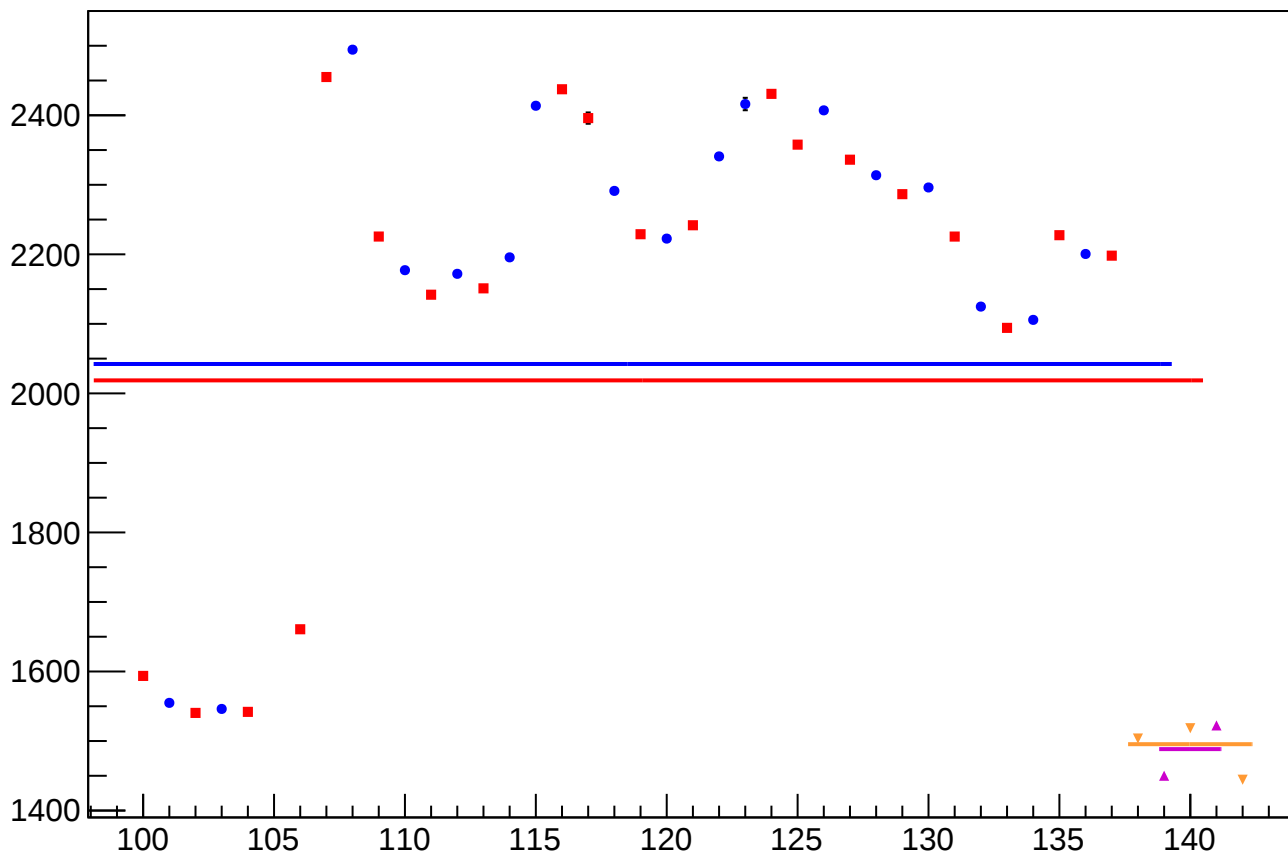
Right Out: -6.776 ± 0.763 χ^2/NDF : 422.1/19

Left In: 11.210 ± 1.206 χ^2/NDF : 6.7/1

5.865 ± 0.639 χ^2/NDF : 543.4/19

-1.634 ± 0.645 χ^2/NDF : 587.6/21

diff_bpm0l05Y_rms vs Slug



Right In: 2042.269+/-0.563 χ^2/NDF : 356820.1/16

Left Out: 1495.444+/-0.756 χ^2/NDF :1484.1/2

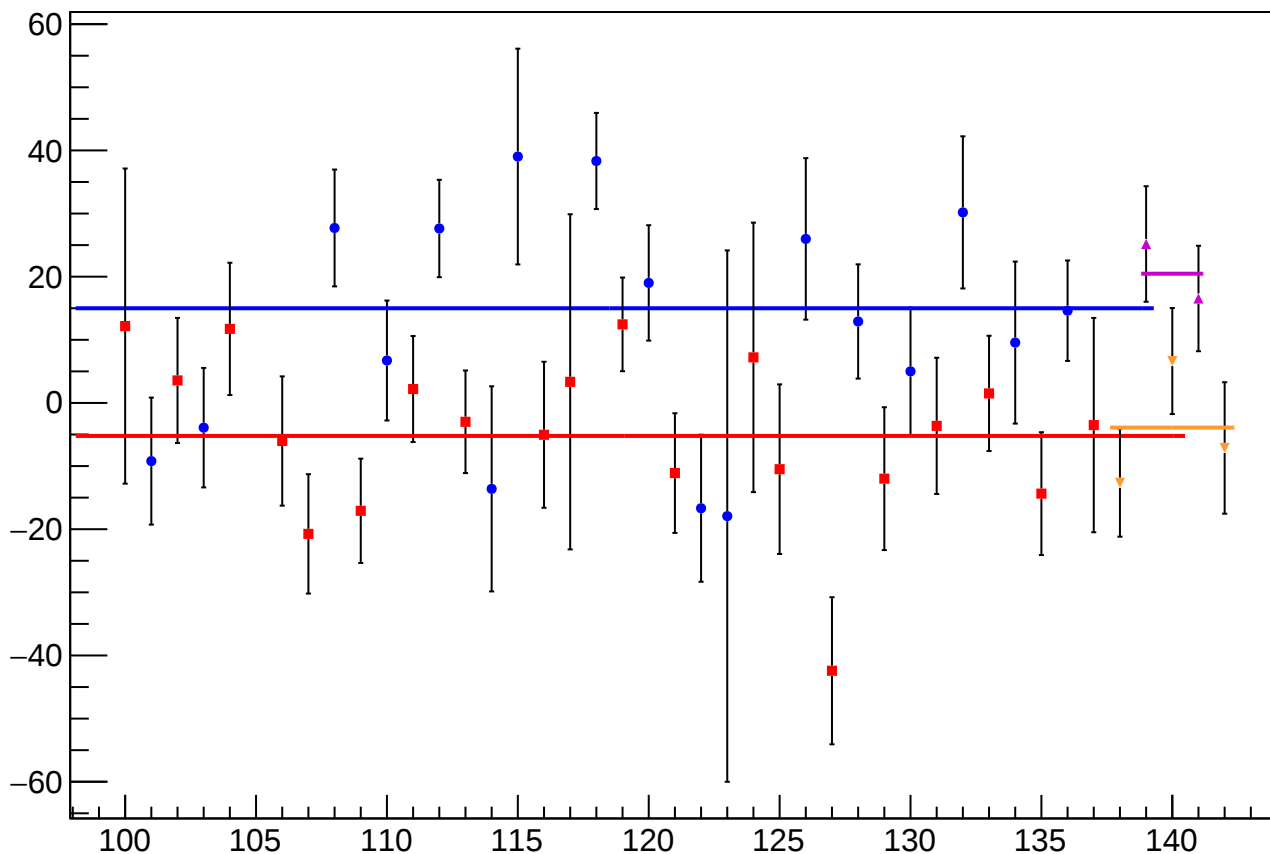
Right Out: 2018.694+/-0.540 χ^2/NDF : 377792.4/19

Left In: 1488.369+/-0.853 χ^2/NDF :1792.8/1

1847.019+/-0.452 χ^2/NDF : 694599.6/19

1867.082+/-0.456 χ^2/NDF : 655752.9/21

diff_bpm0l06X_mean vs Slug



Right In: 14.997 ± 2.485 χ^2/NDF : 41.3/16

Left Out: -3.905 ± 5.191 χ^2/NDF : 2.7/2

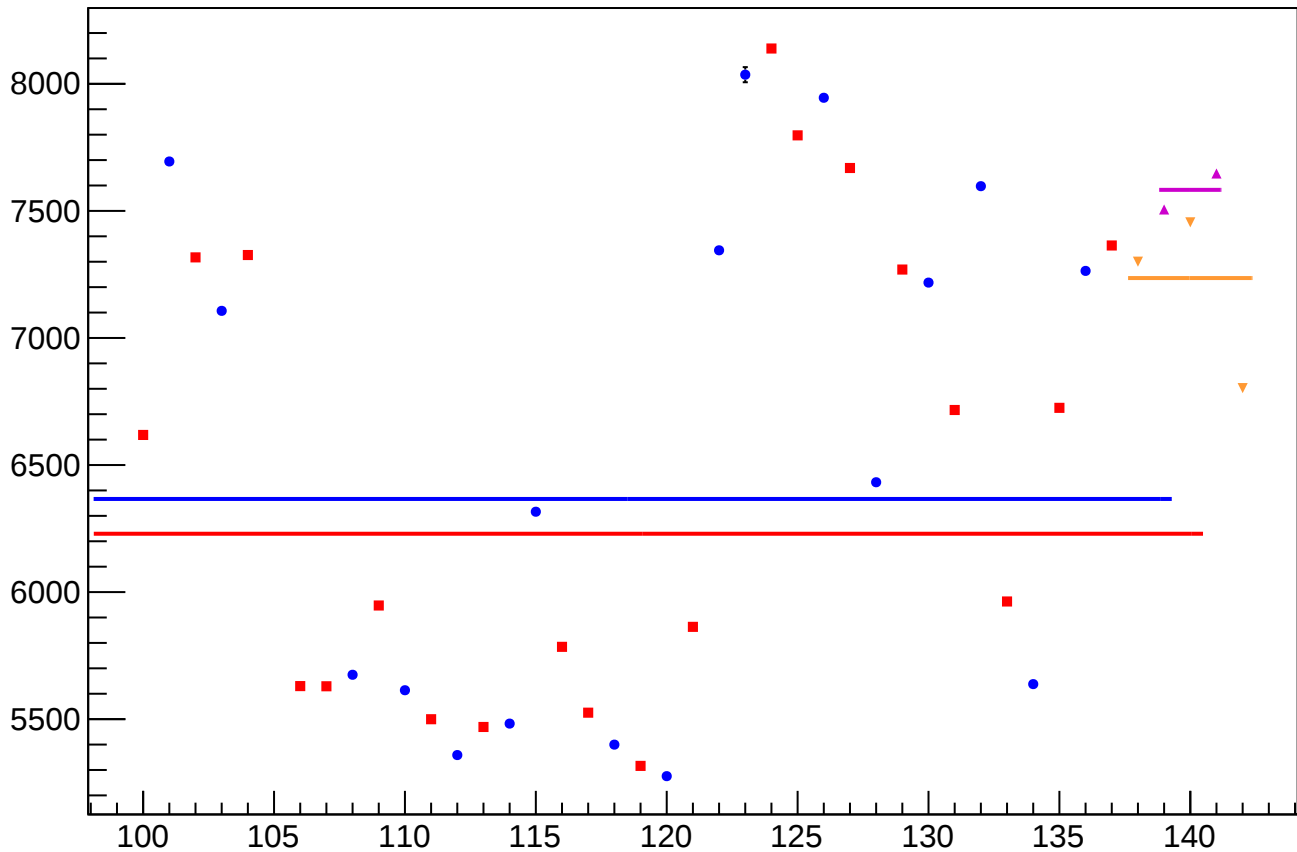
Right Out: -5.223 ± 2.348 χ^2/NDF : 28.2/19

Left In: 20.470 ± 6.169 χ^2/NDF : 0.5/1

11.472 ± 2.242 χ^2/NDF : 54.8/19

-1.972 ± 2.195 χ^2/NDF : 43.8/21

diff_bpm0l06X_rms vs Slug



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

Left Out: 7235.755 ± 3.671 χ^2/NDF : 4936.4/2

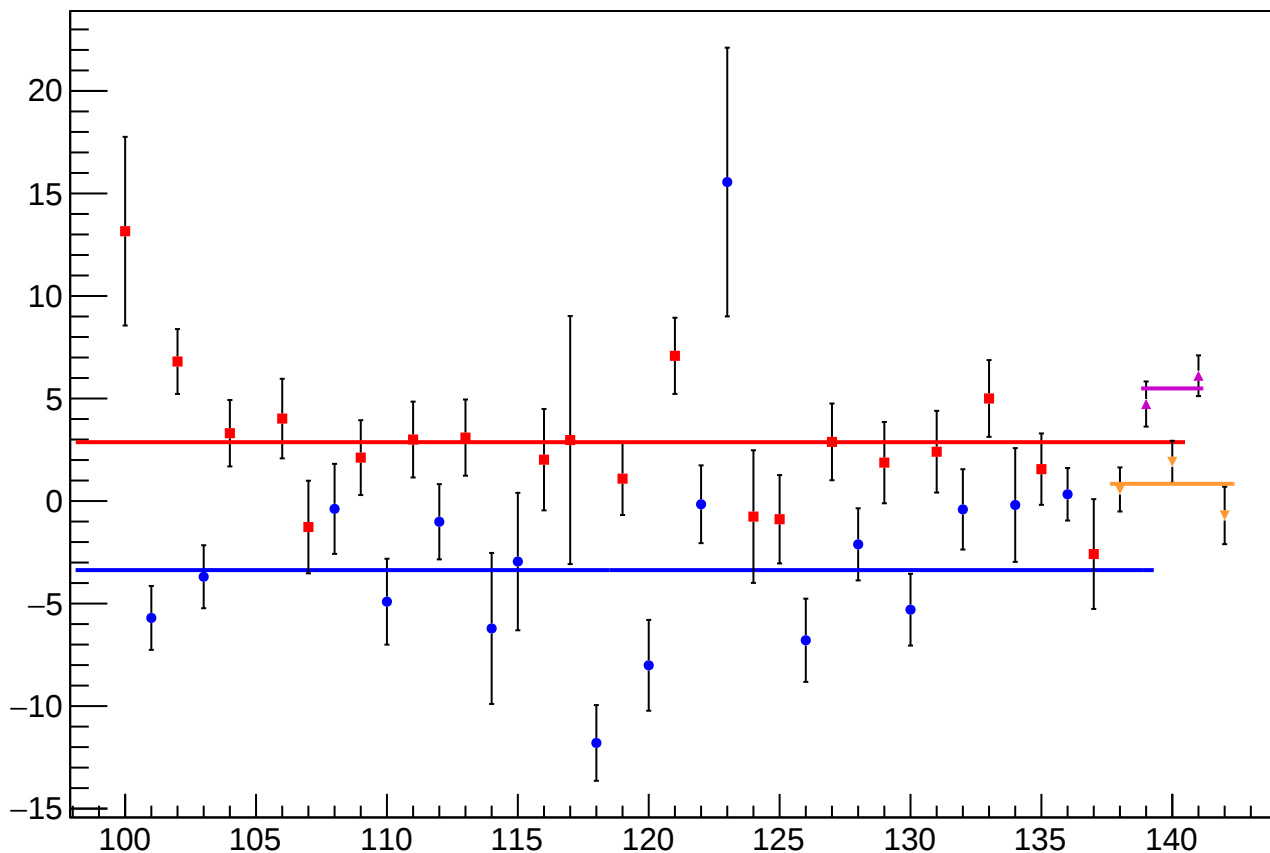
Right Out: 6229.625 ± 1.660 χ^2/NDF : 244622.7/19

Left In: 7582.871 ± 4.362 χ^2/NDF : 261.1/1

6528.579 ± 1.585 χ^2/NDF : 337052.8/19

6400.888 ± 1.552 χ^2/NDF : 328949.8/21

diff_bpm0l06Y_mean vs Slug



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

Left Out: 0.841 ± 0.655 χ^2/NDF : 2.4/2

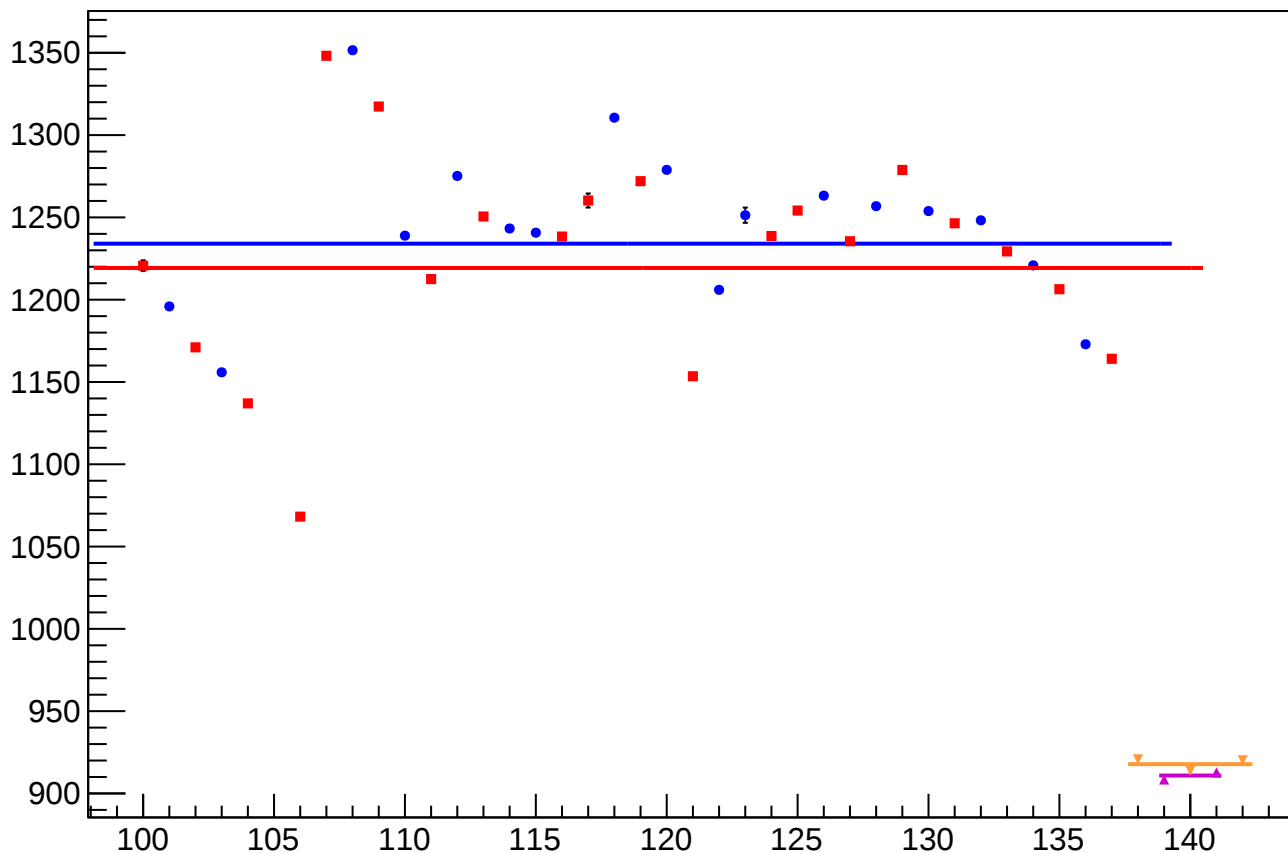
Right Out: 2.871 ± 0.455 χ^2/NDF : 32.0/19

Left In: 5.492 ± 0.738 χ^2/NDF : 0.9/1

-1.917 ± 0.385 χ^2/NDF : 89.3/19

3.594 ± 0.387 χ^2/NDF : 42.1/21

diff_bpm0l06Y_rms vs Slug



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

Left Out: 917.788 $\pm$ 0.463 χ^2 /NDF:50.5/2

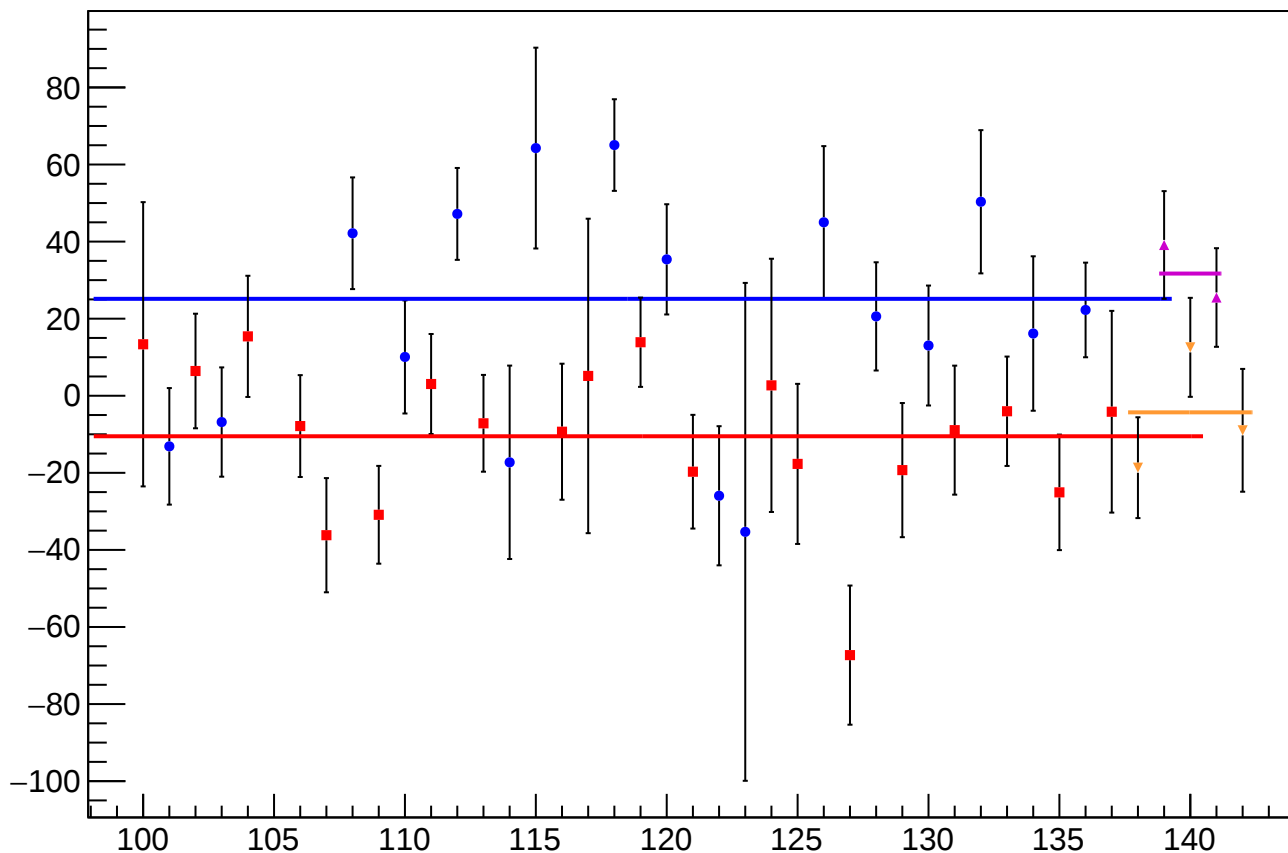
Right Out: 1219.275 $\pm$ 0.322 χ^2 /NDF: 40462.8/19

Left In: 910.887 $\pm$ 0.521 χ^2 /NDF:17.6/1

1124.983 $\pm$ 0.272 χ^2 /NDF: 328636.3/19

1134.227 $\pm$ 0.274 χ^2 /NDF: 293735.0/21

diff_bpm0l07X_mean vs Slug



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

Left Out: -4.306 ± 7.944 χ^2/NDF : 3.0/2

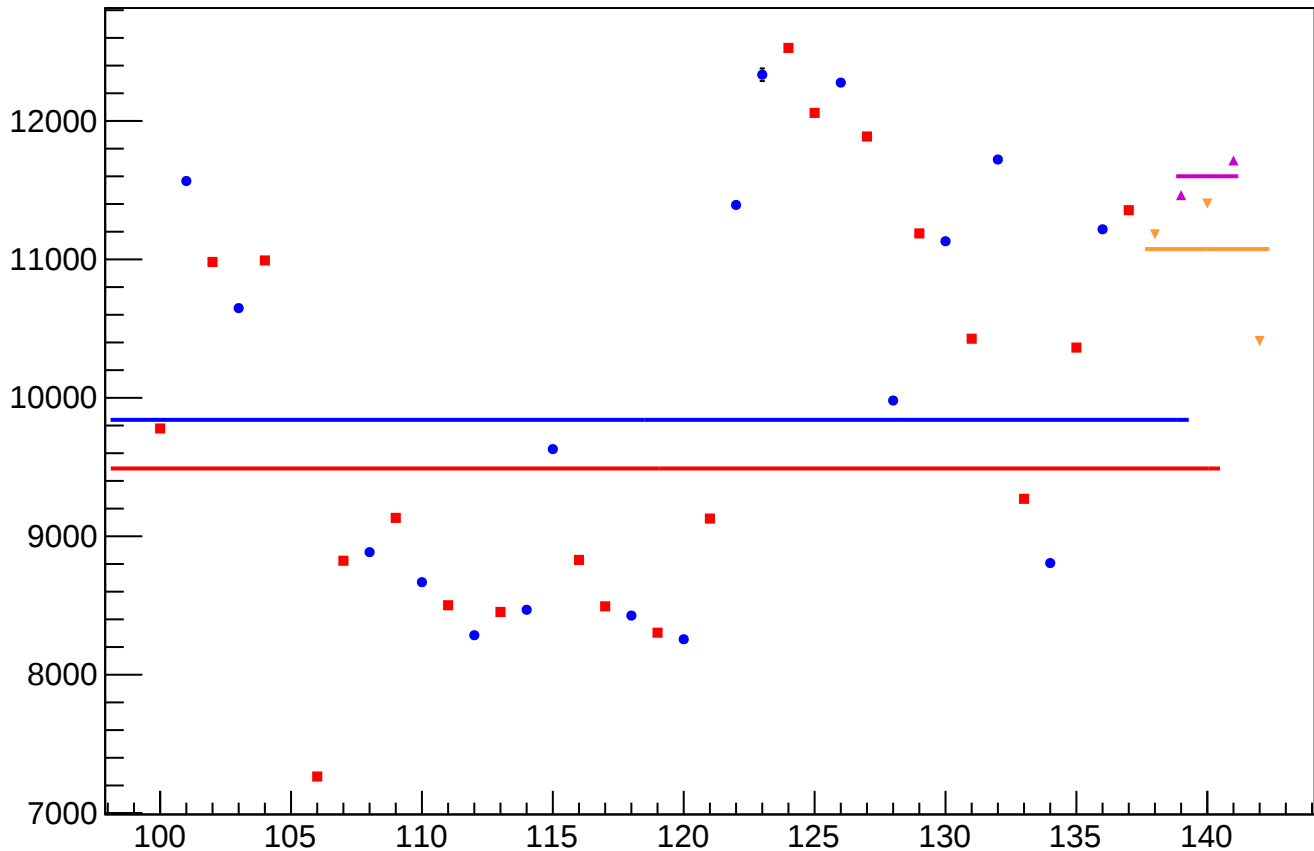
Right Out: -10.513 ± 3.581 χ^2/NDF : 27.8/19

Left In: 31.705 ± 9.437 χ^2/NDF : 0.5/1

19.577 ± 3.455 χ^2/NDF : 61.1/19

-5.199 ± 3.348 χ^2/NDF : 45.9/21

diff_bpm0l07X_rms vs Slug



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

Left Out: 11074.639+/-5.618 χ^2/NDF : 4921.4/2

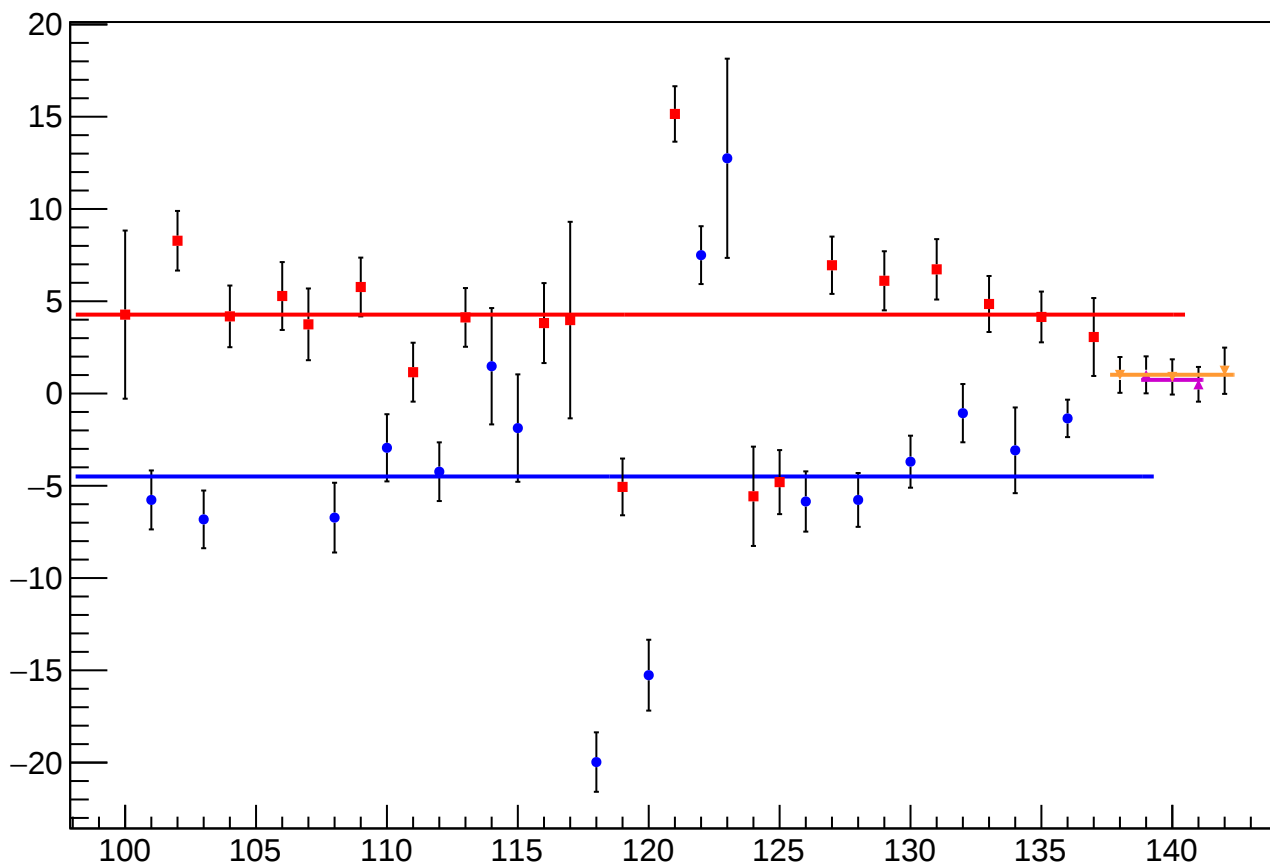
Right Out: 9489.753+/-2.532 χ^2/NDF : 277900.5/19

Left In: 11600.761+/-6.673 χ^2/NDF : 349.7/1

10074.515+/-2.443 χ^2/NDF : 304075.0/19

9755.430+/-2.367 χ^2/NDF : 365731.2/21

diff_bpm0l07Y_mean vs Slug



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

Left Out: 1.016 ± 0.598 χ^2/NDF : 0.0/2

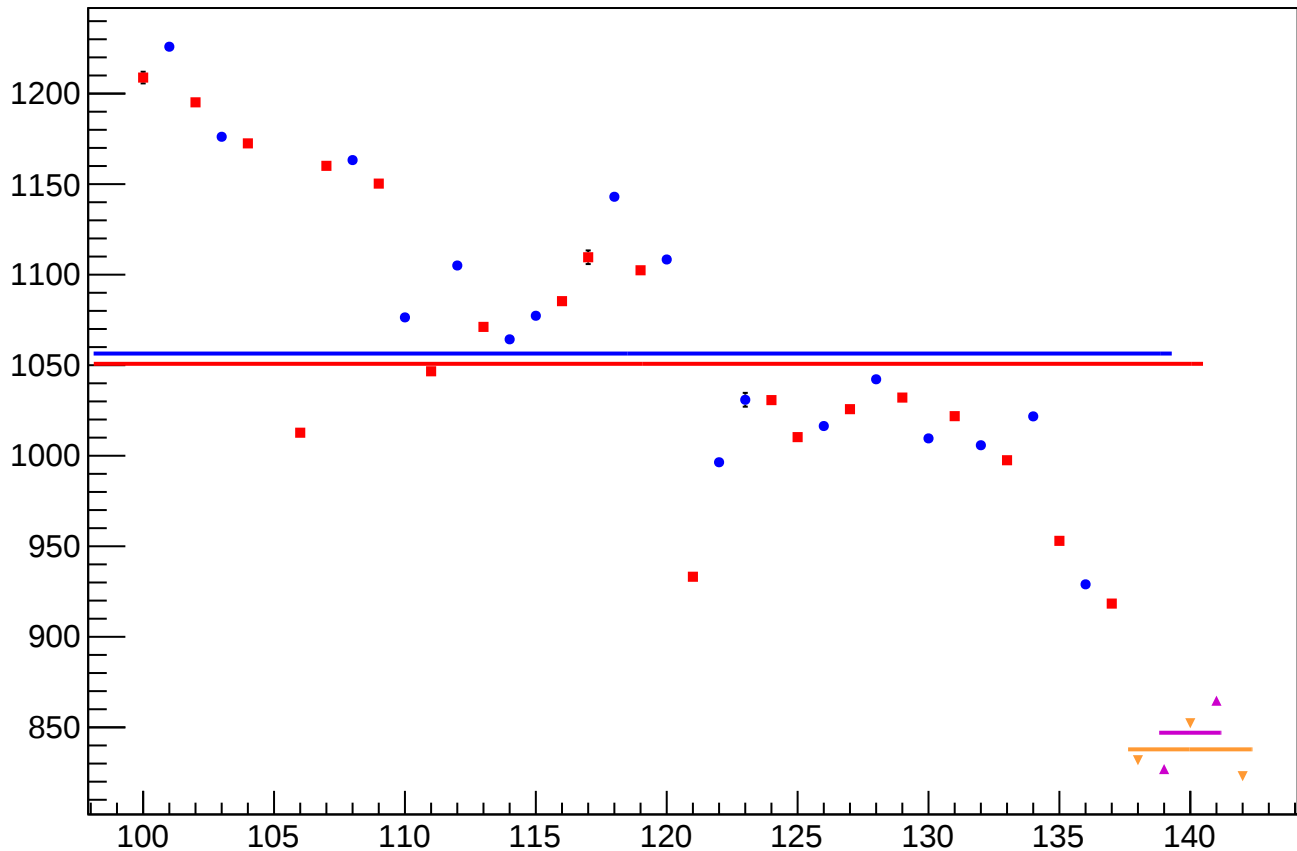
Right Out: 4.275 ± 0.393 χ^2/NDF : 148.2/19

Left In: 0.739 ± 0.686 χ^2/NDF : 0.1/1

-2.745 ± 0.337 χ^2/NDF : 276.4/19

3.402 ± 0.341 χ^2/NDF : 168.4/21

diff_bpm0l07Y_rms vs Slug



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

Left Out: 837.848+/-0.423 χ^2/NDF : 812.3/2

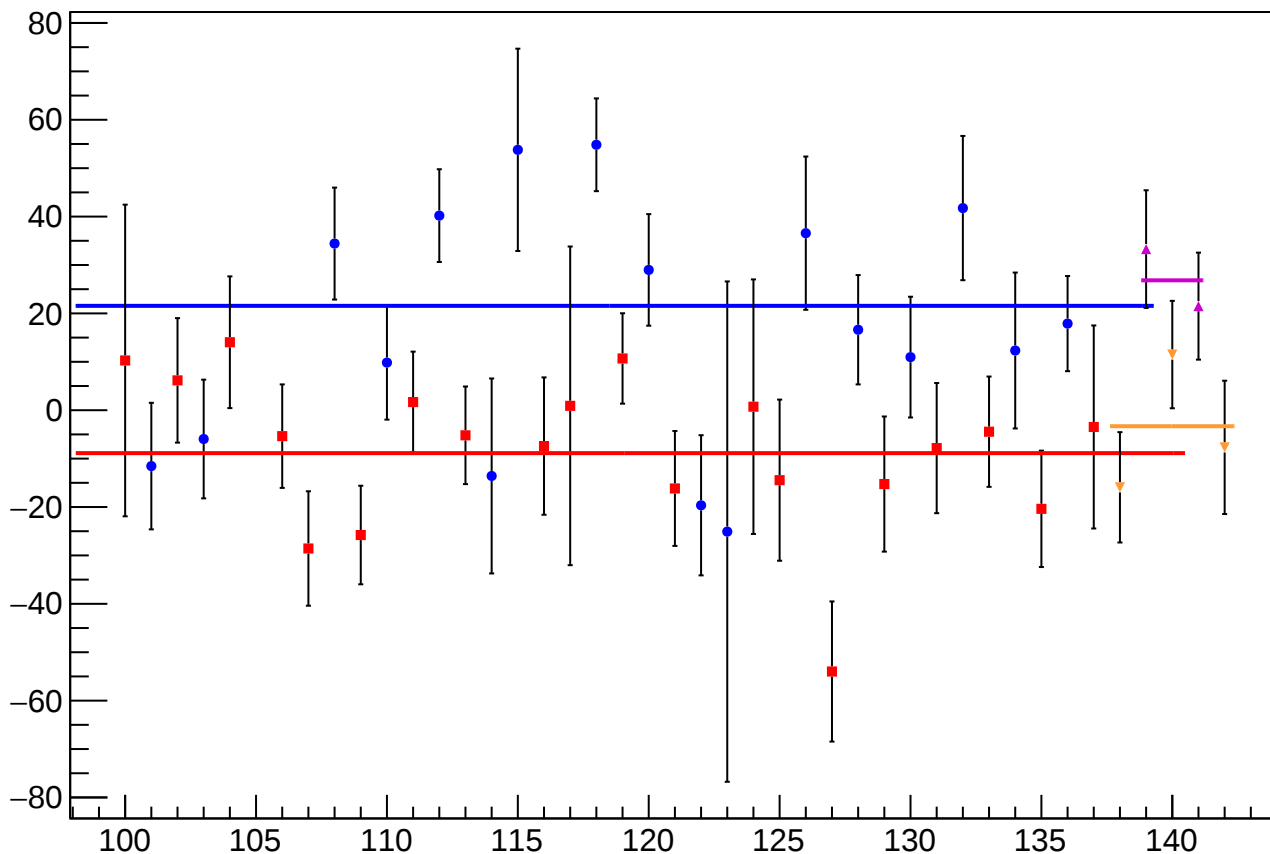
Right Out: 1050.765+/-0.278 χ^2/NDF : 82642.2/19

Left In: 847.029+/-0.485 χ^2/NDF : 1509.0/1

986.986+/-0.238 χ^2/NDF : 273830.1/19

1000.455+/-0.241 χ^2/NDF : 216994.9/21

diff_bpm0l08X_mean vs Slug



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

Left Out: -3.308 ± 6.885 χ^2/NDF : 3.1/2

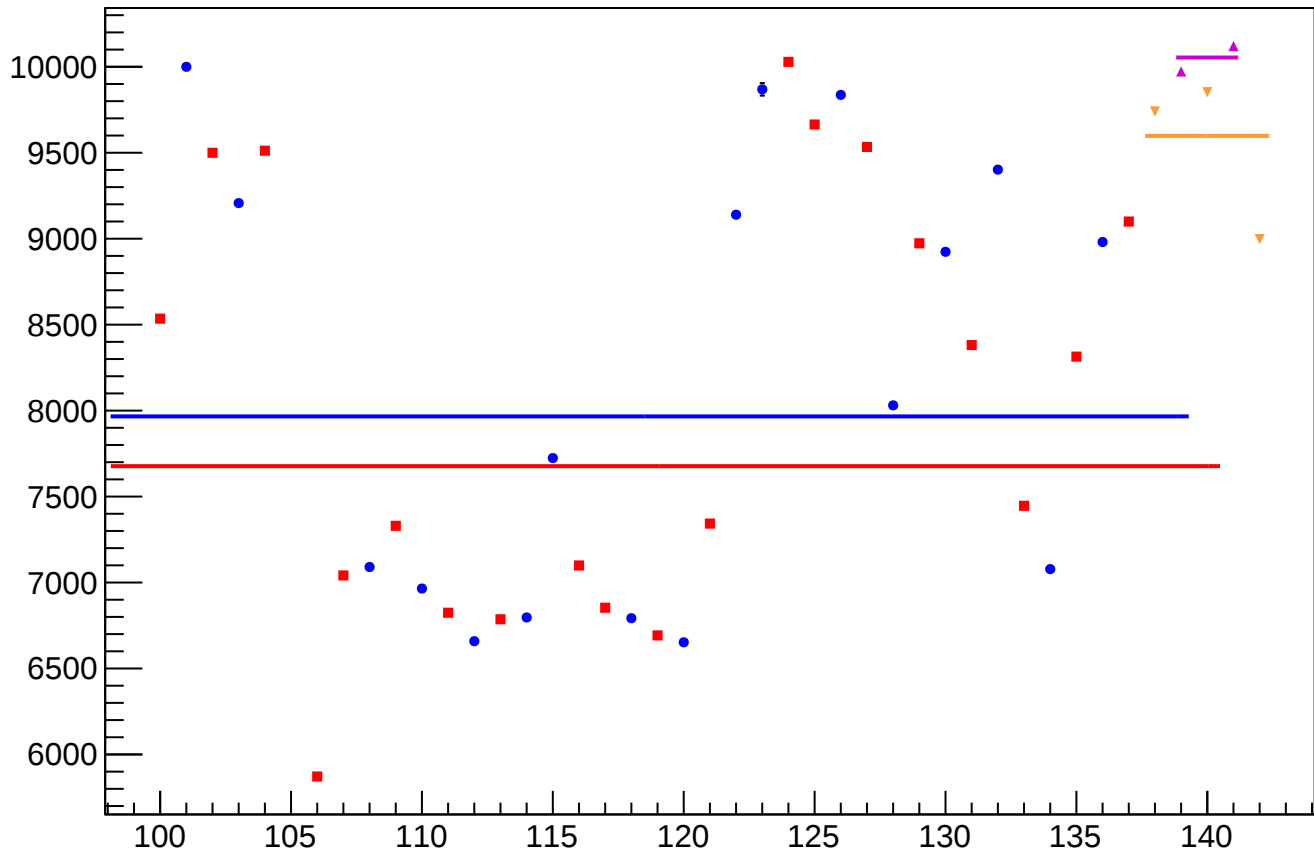
Right Out: -8.867 ± 2.901 χ^2/NDF : 27.5/19

Left In: 26.834 ± 8.177 χ^2/NDF : 0.5/1

17.346 ± 2.835 χ^2/NDF : 62.3/19

-4.877 ± 2.734 χ^2/NDF : 45.0/21

diff_bpm0l08X_rms vs Slug



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

Left Out: 9597.898 ± 4.868 χ^2/NDF : 5165.9/2

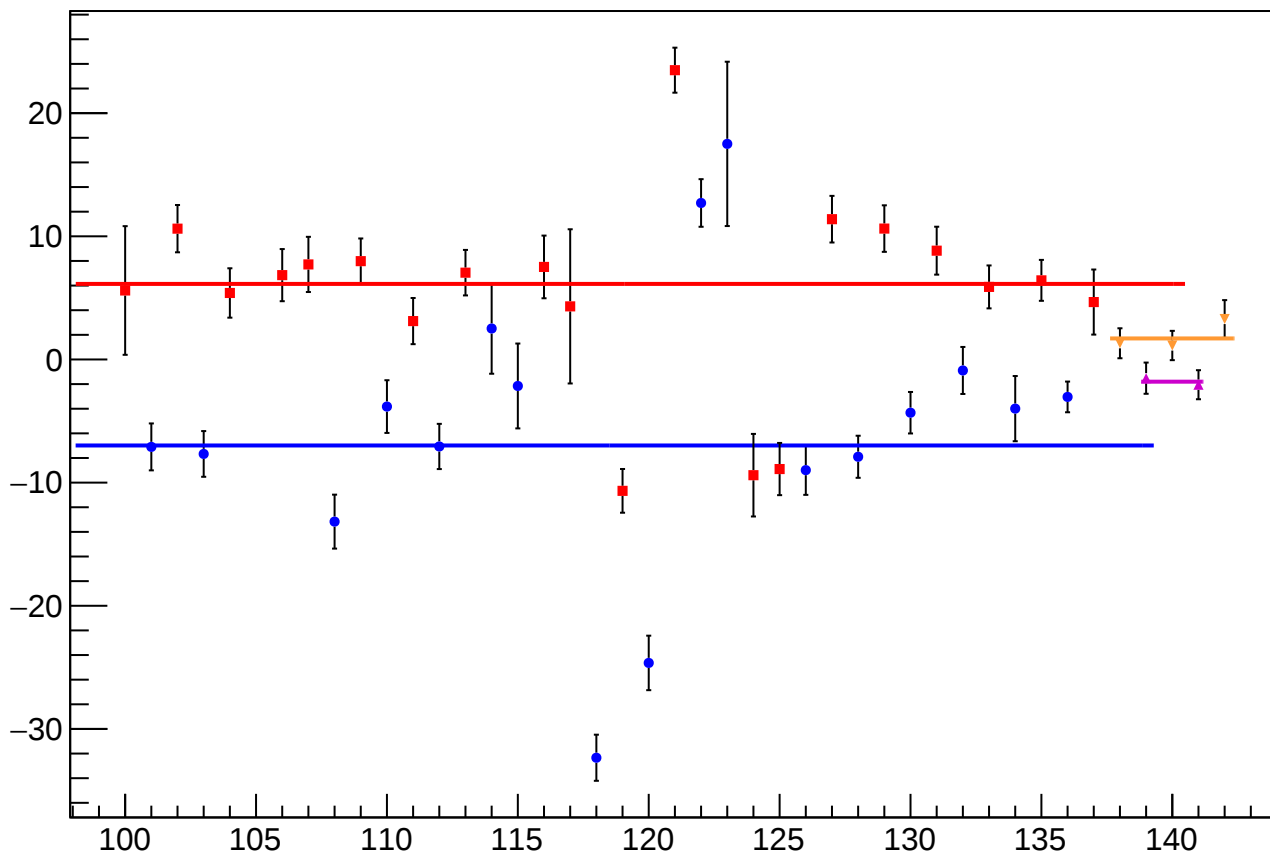
Right Out: 7677.035 ± 2.051 χ^2/NDF : 316295.2/19

Left In: 10053.832 ± 5.782 χ^2/NDF : 162.2/1

8242.937 ± 2.004 χ^2/NDF : 395046.8/19

7942.649 ± 1.933 χ^2/NDF : 466534.7/21

diff_bpm0l08Y_mean vs Slug



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

Left Out: 1.707 ± 0.744 χ^2/NDF : 1.4/2

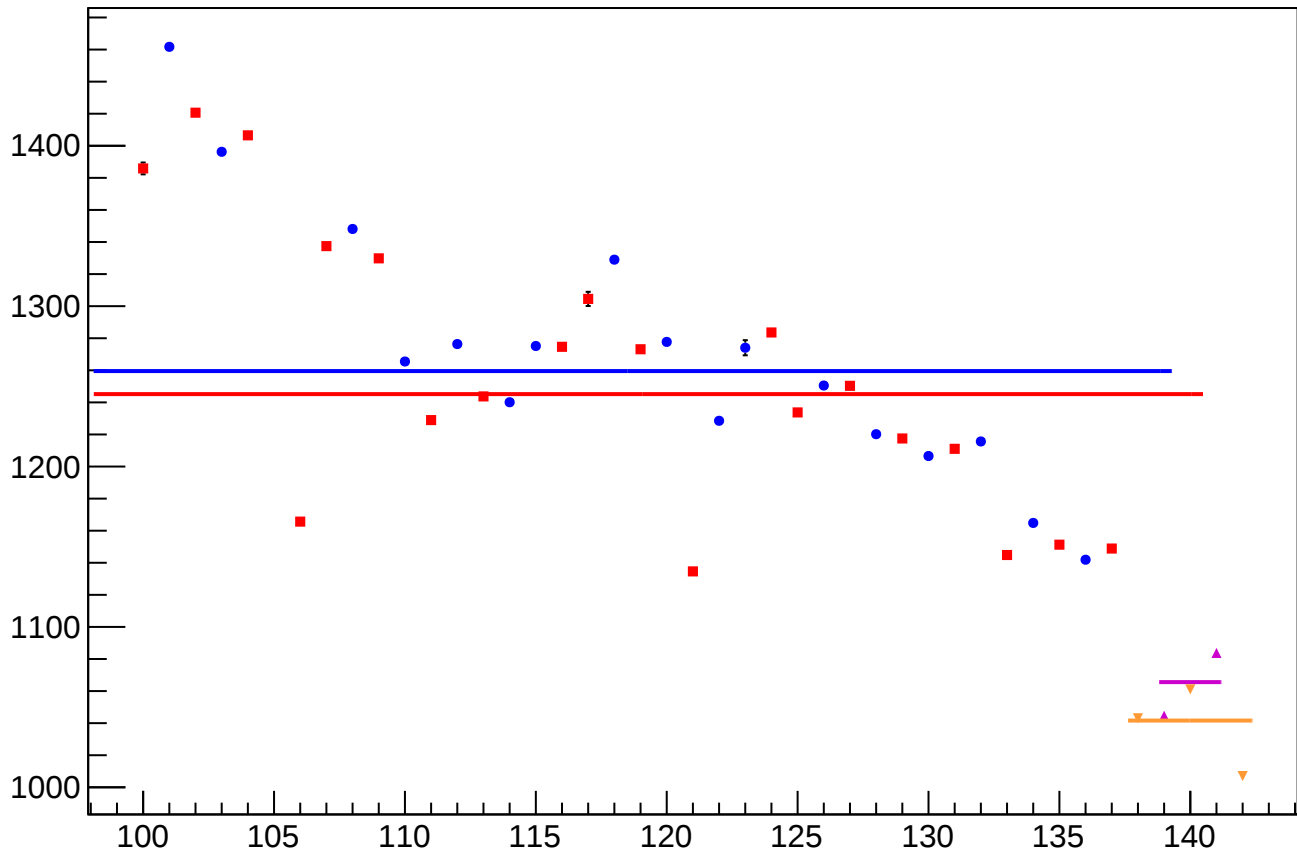
Right Out: 6.135 ± 0.465 χ^2/NDF : 277.6/19

Left In: -1.804 ± 0.863 χ^2/NDF : 0.1/1

-4.383 ± 0.407 χ^2/NDF : 505.5/19

4.348 ± 0.410 χ^2/NDF : 343.2/21

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1041.618+/-0.526 χ^2/NDF :1553.4/2

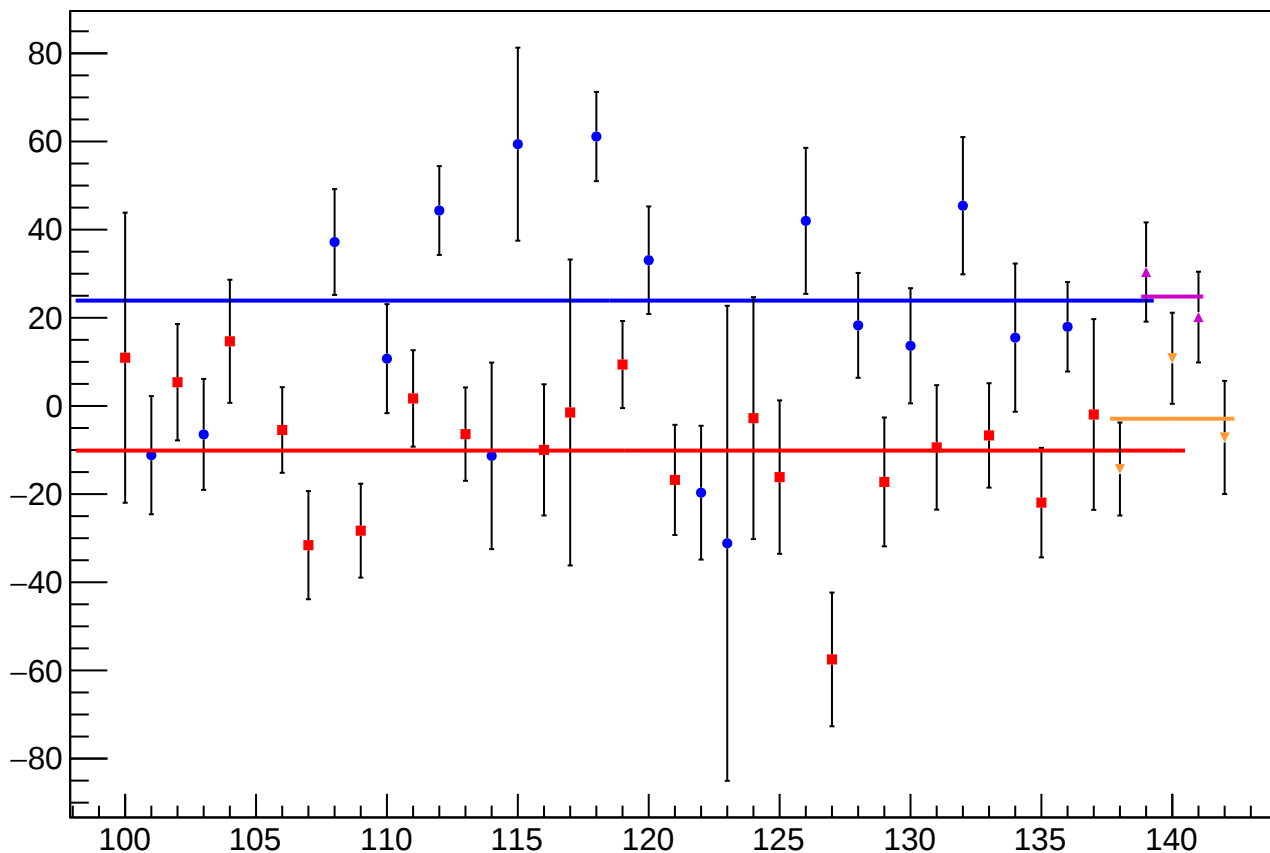
Right Out: 1245.167+/-0.329 χ^2/NDF : 67006.8/19

Left In: 1065.591+/-0.611 χ^2/NDF :1024.6/1

1194.328+/-0.288 χ^2/NDF : 186620.1/19

1204.748+/-0.290 χ^2/NDF : 135063.1/21

diff_bpm0l09X_mean vs Slug



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

Left Out: -2.893 ± 6.400 χ^2/NDF : 3.0/2

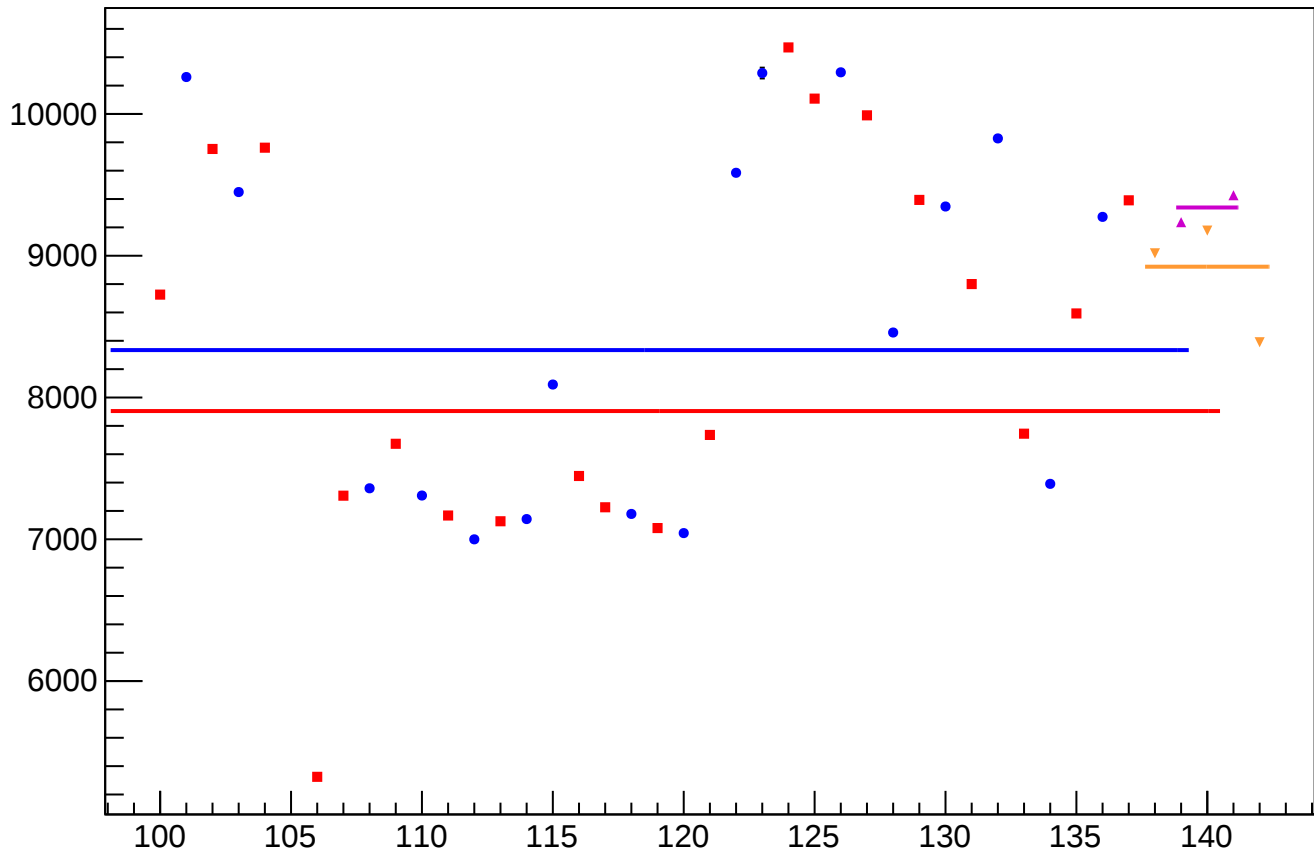
Right Out: -10.125 ± 2.994 χ^2/NDF : 28.0/19

Left In: 24.818 ± 7.597 χ^2/NDF : 0.4/1

18.409 ± 2.898 χ^2/NDF : 69.4/19

-5.426 ± 2.786 χ^2/NDF : 46.8/21

diff_bpm0l09X_rms vs Slug



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

Left Out: 8922.662+/-4.525 χ^2/NDF : 4820.1/2

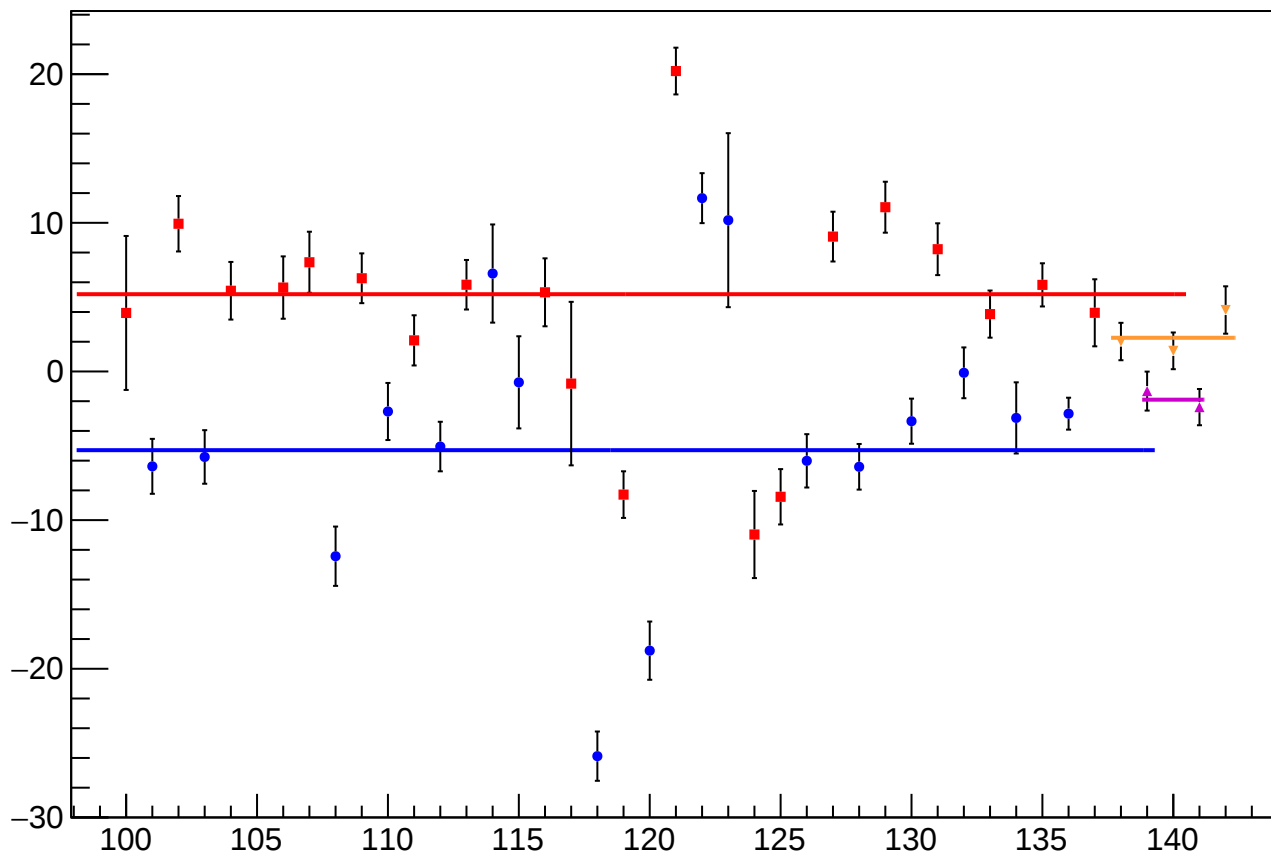
Right Out: 7904.529+/-2.117 χ^2/NDF : 391589.9/19

Left In: 9340.289+/-5.372 χ^2/NDF : 310.4/1

8455.124+/-2.049 χ^2/NDF : 290550.6/19

8097.583+/-1.970 χ^2/NDF : 453727.5/21

diff_bpm0l09Y_mean vs Slug



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

Left Out: 2.266 ± 0.771 χ^2/NDF : 1.9/2

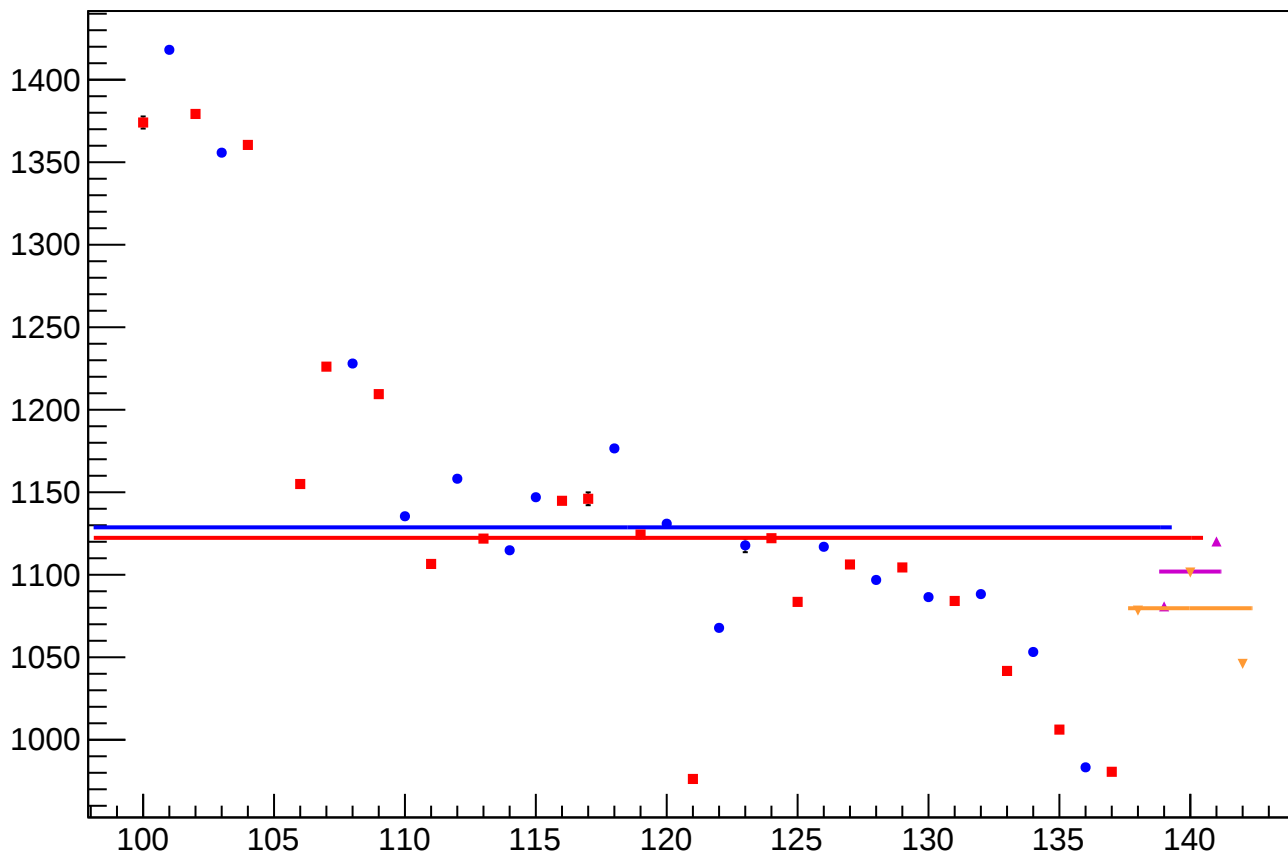
Right Out: 5.198 ± 0.420 χ^2/NDF : 283.1/19

Left In: -1.898 ± 0.893 χ^2/NDF : 0.4/1

-3.458 ± 0.380 χ^2/NDF : 432.8/19

3.910 ± 0.380 χ^2/NDF : 335.1/21

diff_bpm0l09Y_rms vs Slug



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

Left Out: 1079.723+/-0.545 χ^2/NDF :1511.6/2

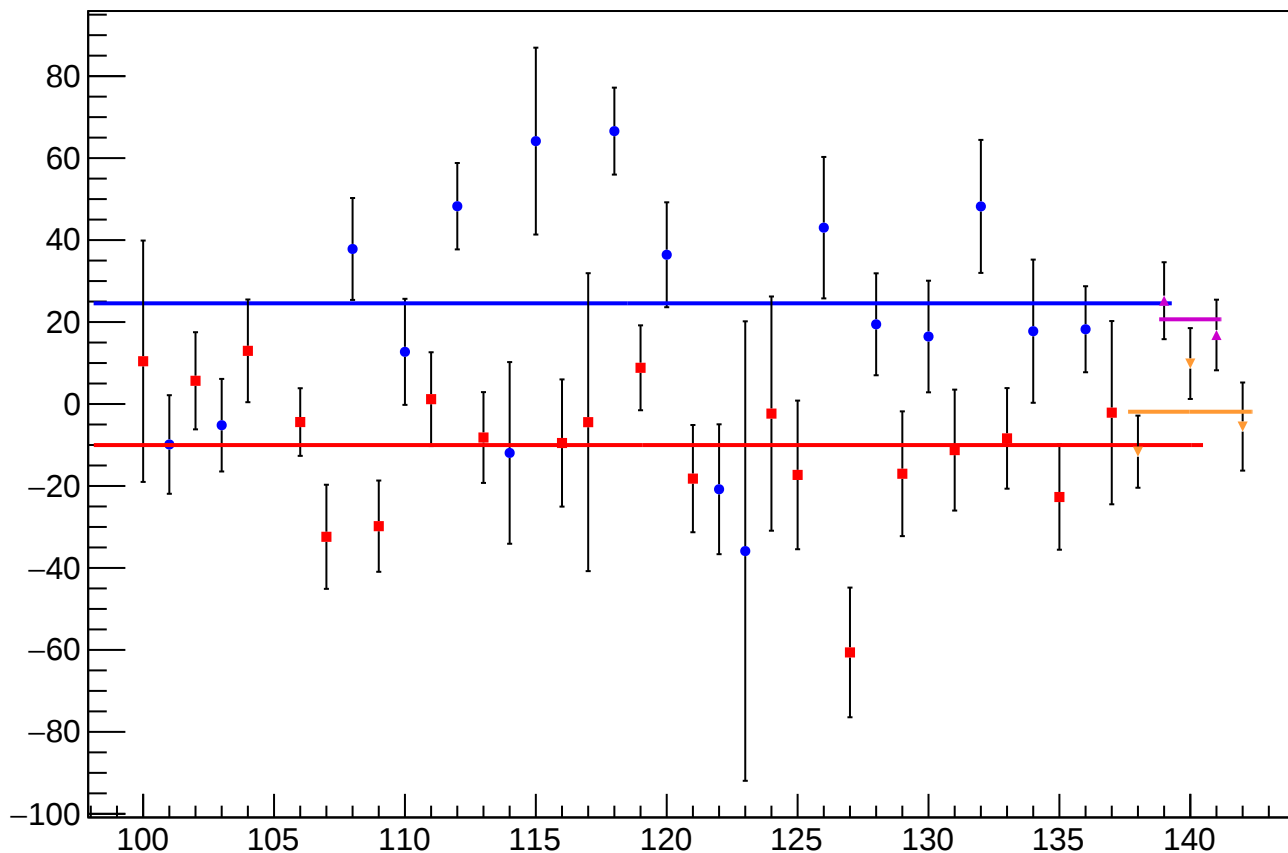
Right Out: 1122.377+/-0.297 χ^2/NDF : 129638.9/19

Left In: 1101.944+/-0.631 χ^2/NDF :965.4/1

1116.834+/-0.269 χ^2/NDF : 140725.1/19

1118.669+/-0.269 χ^2/NDF : 131461.7/21

diff_bpm0l10X_mean vs Slug



Right In: 24.569+/-3.318 χ^2/NDF : 58.1/16

Left Out: -1.881+/-5.349 χ^2/NDF : 3.2/2

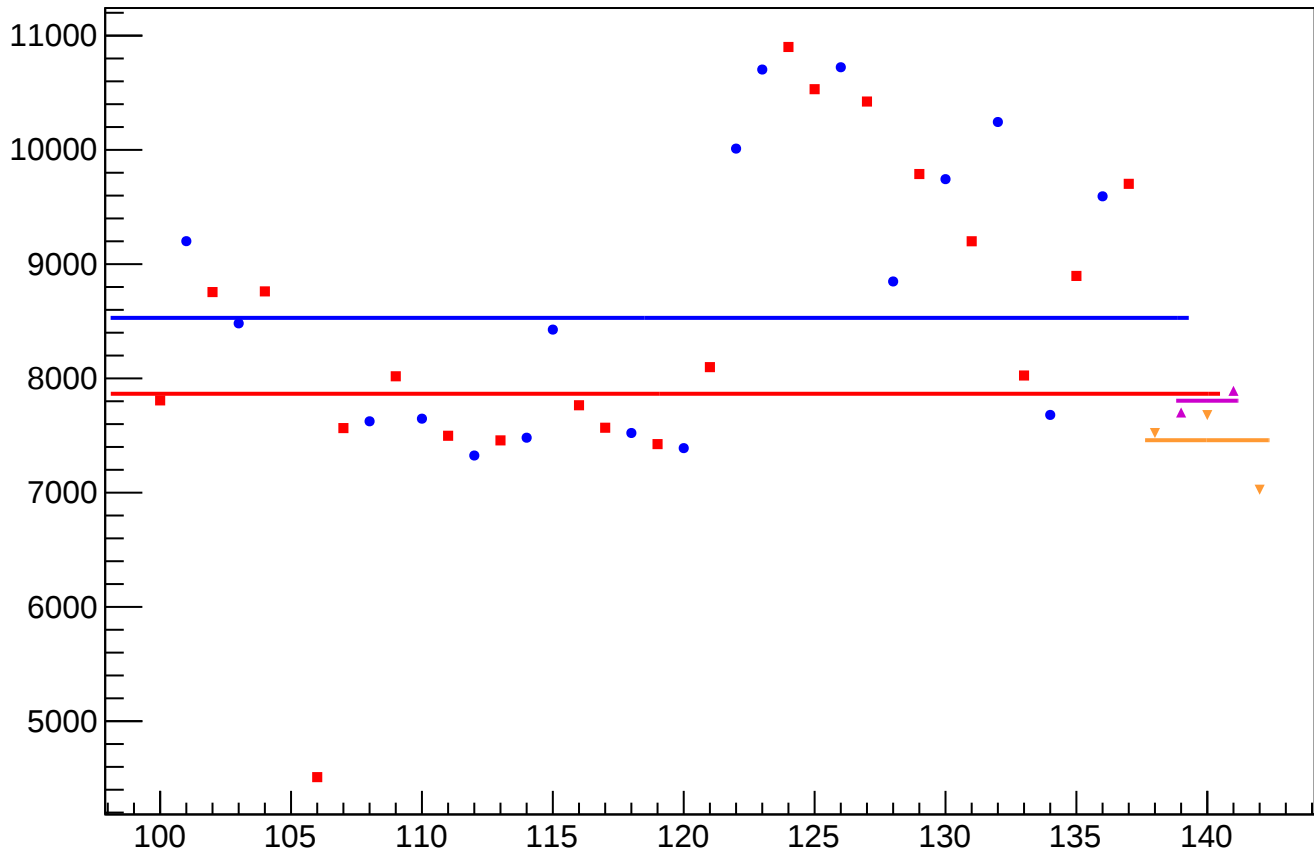
Right Out: -10.019+/-2.997 χ^2/NDF : 28.8/19

Left In: 20.667+/-6.348 χ^2/NDF : 0.4/1

17.219+/-2.820 χ^2/NDF : 78.9/19

-4.424+/-2.710 χ^2/NDF : 48.4/21

diff_bpm0l10X_rms vs Slug



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

Left Out: 7459.036+/-3.783 χ^2/NDF :4642.6/2

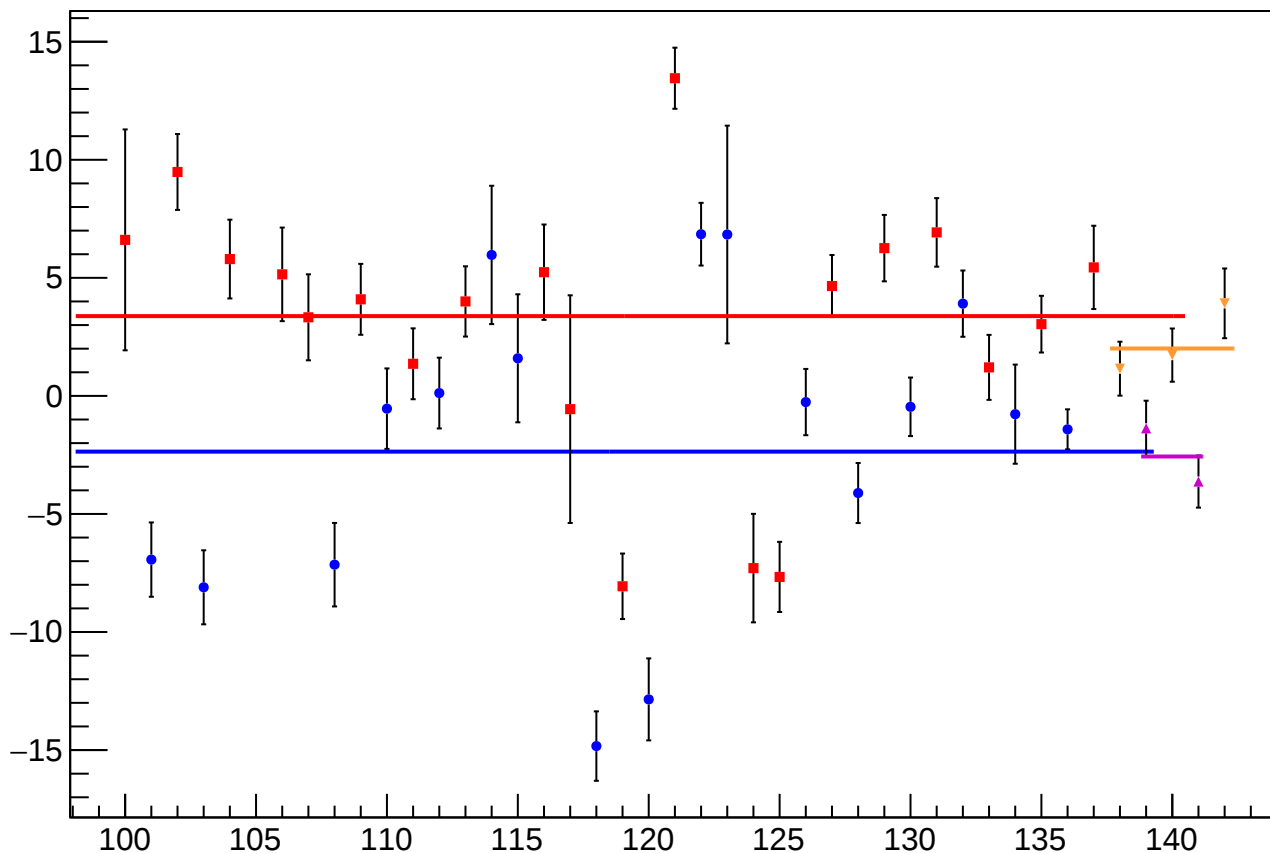
Right Out: 7865.549+/-2.119 χ^2/NDF : 555976.4/19

Left In: 7804.722+/-4.489 χ^2/NDF :442.9/1

8232.270+/-1.994 χ^2/NDF : 270847.3/19

7854.460+/-1.917 χ^2/NDF : 556569.4/21

diff_bpm0l10Y_mean vs Slug



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

Left Out: 2.008 ± 0.705 χ^2/NDF : 2.3/2

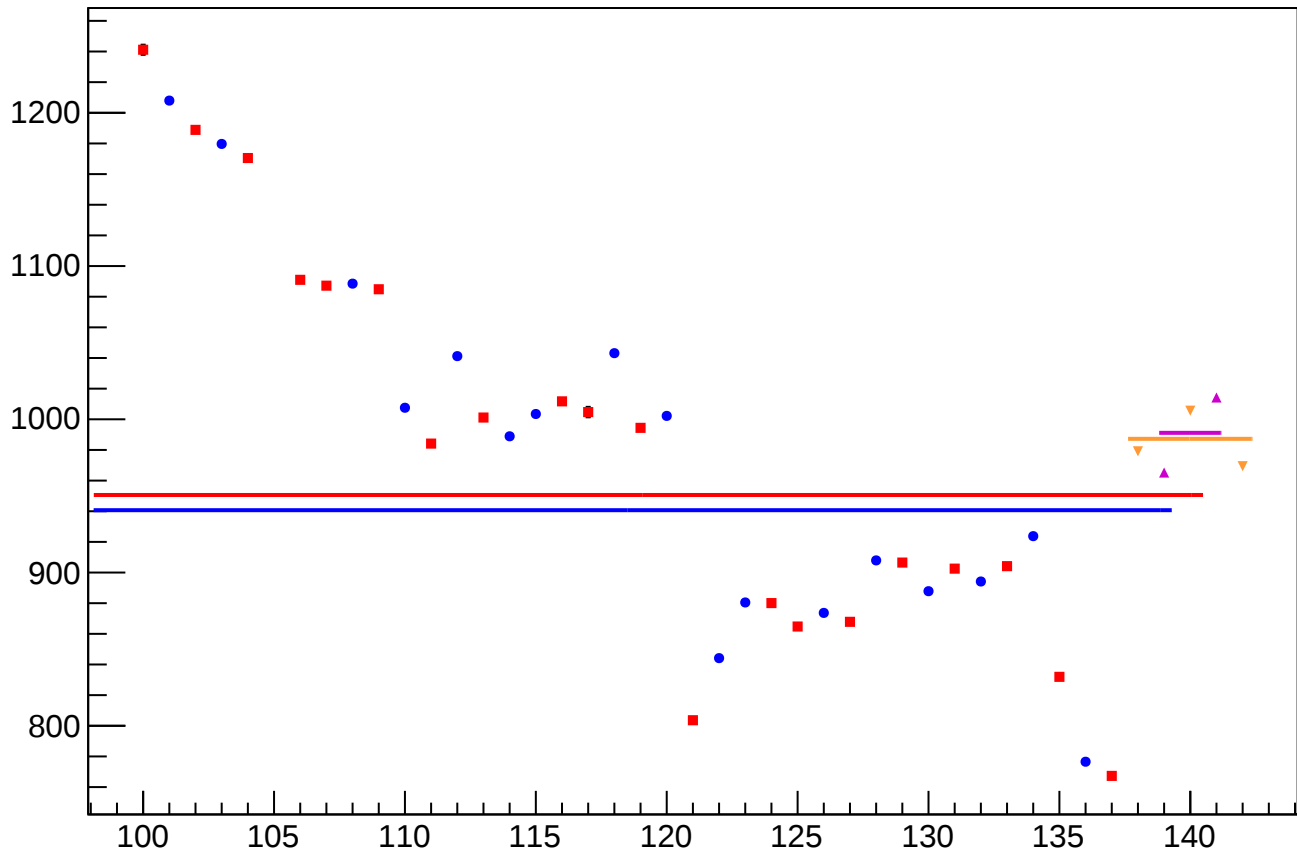
Right Out: 3.379 ± 0.357 χ^2/NDF : 242.1/19

Left In: -2.566 ± 0.803 χ^2/NDF : 2.0/1

-1.434 ± 0.325 χ^2/NDF : 264.6/19

2.397 ± 0.326 χ^2/NDF : 289.9/21

diff_bpm0l10Y_rms vs Slug



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

Left Out: 987.257+/-0.498 χ^2/NDF : 925.5/2

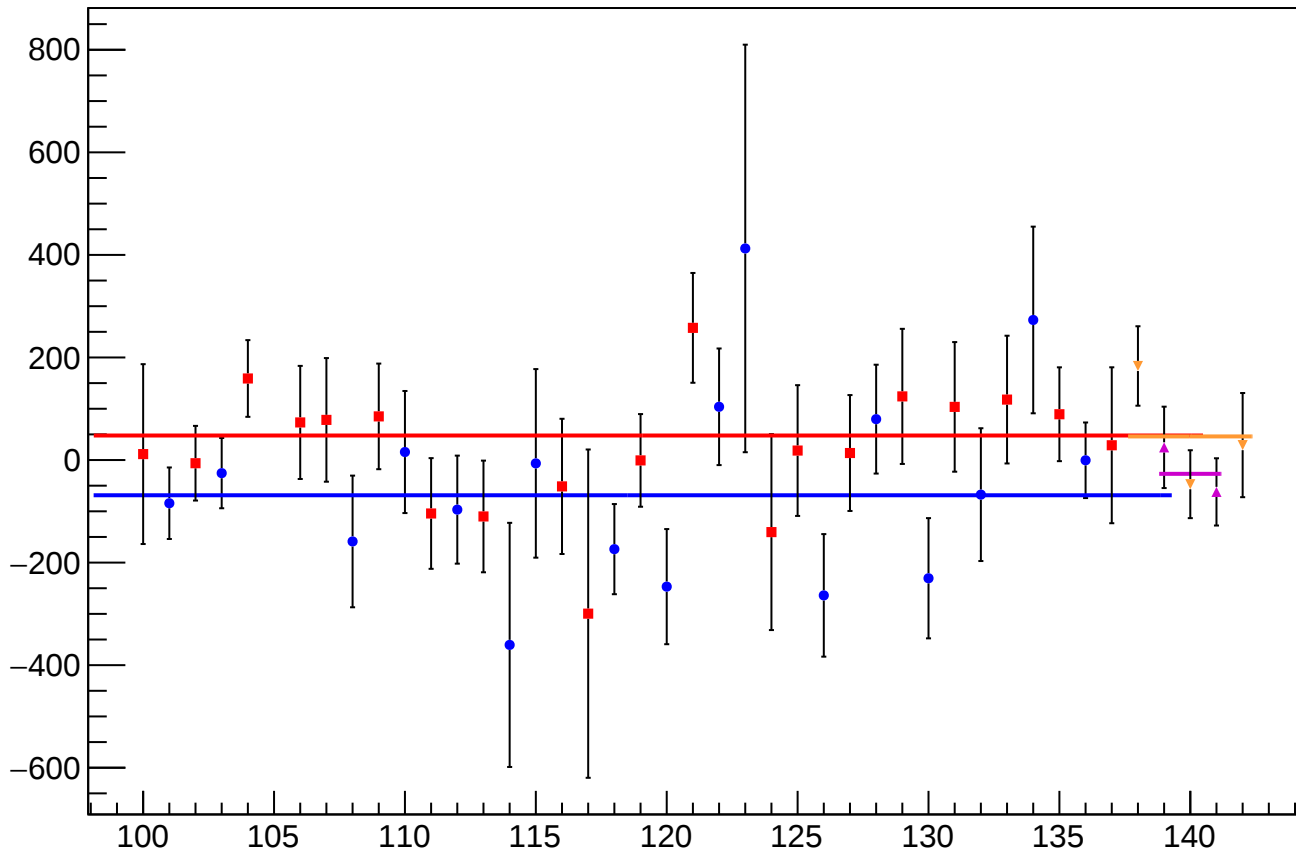
Right Out: 950.615+/-0.253 χ^2/NDF : 220931.3/19

Left In: 991.168+/-0.568 χ^2/NDF : 1854.4/1

950.553+/-0.229 χ^2/NDF : 249574.0/19

957.317+/-0.231 χ^2/NDF : 227045.9/21

diff_bpm0r03X_mean vs Slug



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

Left Out: 46.042 $\pm$ 45.096 χ^2 /NDF: 5.2/2

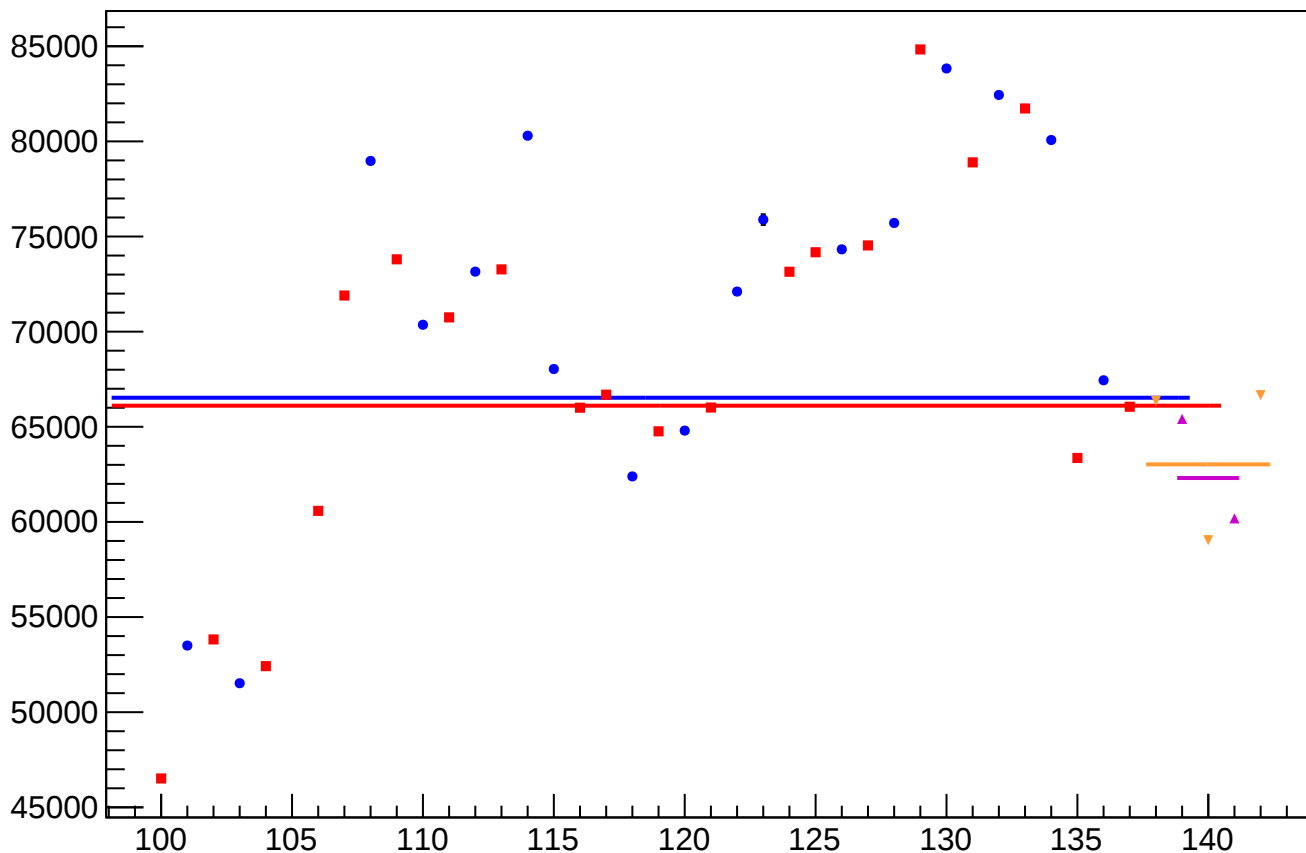
Right Out: 47.835 $\pm$ 24.944 χ^2 /NDF: 15.2/19

Left In: -26.912 $\pm$ 50.543 χ^2 /NDF: 0.7/1

-40.155 $\pm$ 22.489 χ^2 /NDF: 31.8/19

33.196 $\pm$ 22.368 χ^2 /NDF: 17.7/21

diff_bpm0r03X_rms vs Slug



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

Left Out: 63024.387+/-31.888 χ^2/NDF :13520.9/2

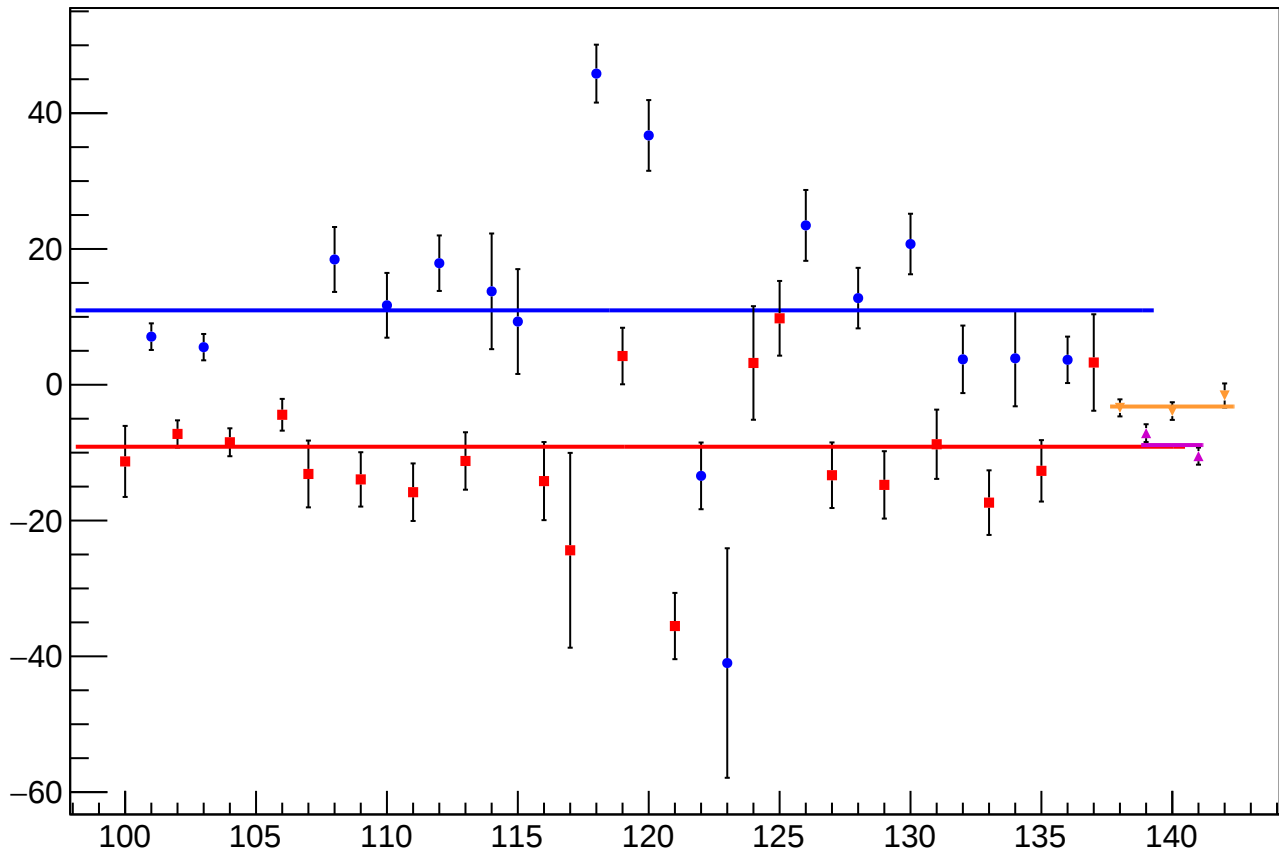
Right Out: 66109.383+/-17.638 χ^2/NDF : 298491.9/19

Left In: 62307.330+/-35.740 χ^2/NDF :5160.6/1

65656.090+/-15.902 χ^2/NDF : 343474.1/19

65364.752+/-15.817 χ^2/NDF : 312753.2/21

diff_bpm0r03Y_mean vs Slug



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

Left Out: -3.207 ± 0.805 χ^2/NDF : 1.1/2

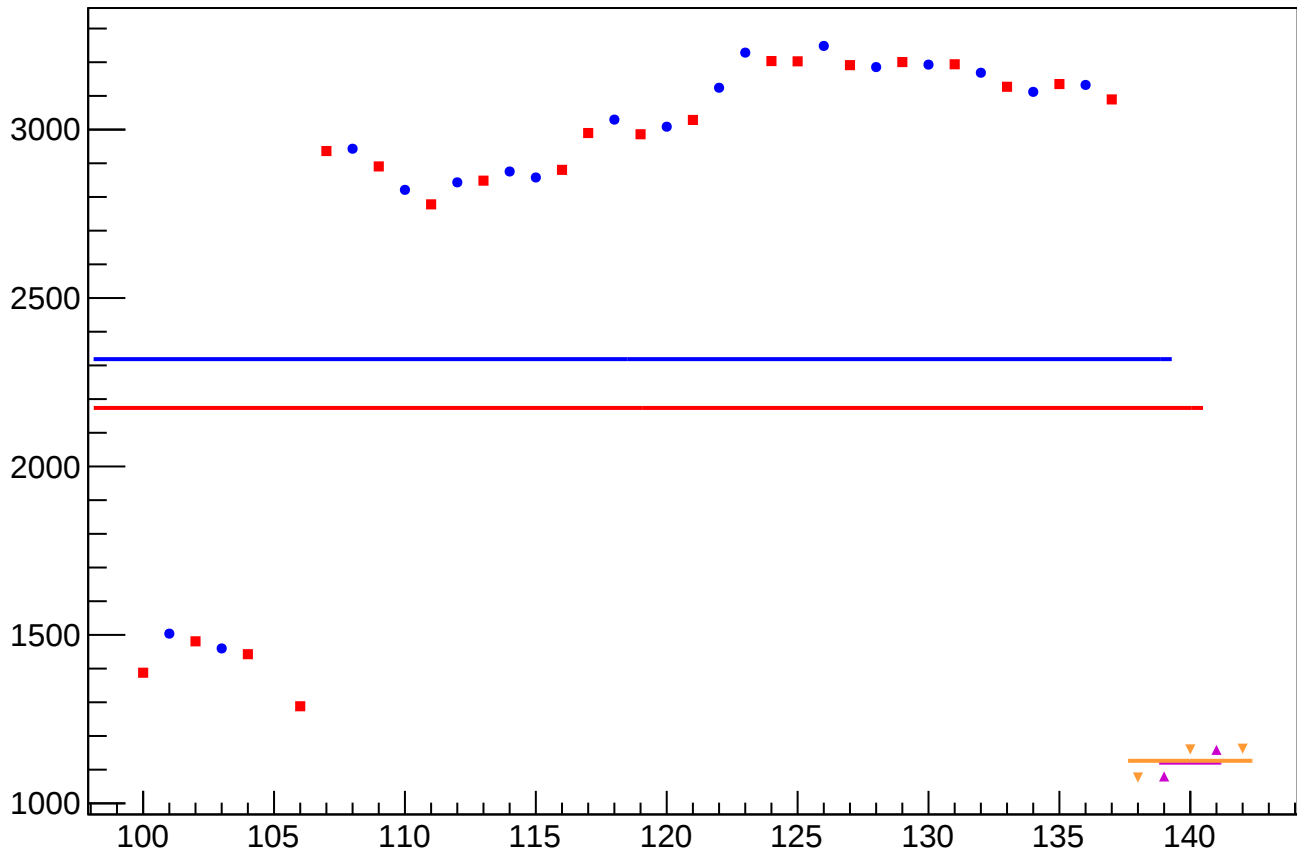
Right Out: -9.127 ± 0.865 χ^2/NDF : 74.2/19

Left In: -8.881 ± 0.908 χ^2/NDF : 3.5/1

2.762 ± 0.612 χ^2/NDF : 292.6/19

-9.010 ± 0.626 χ^2/NDF : 77.8/21

diff_bpm0r03Y_rms vs Slug



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

Left Out: 1126.325+/-0.569 χ^2/NDF : 5290.1/2

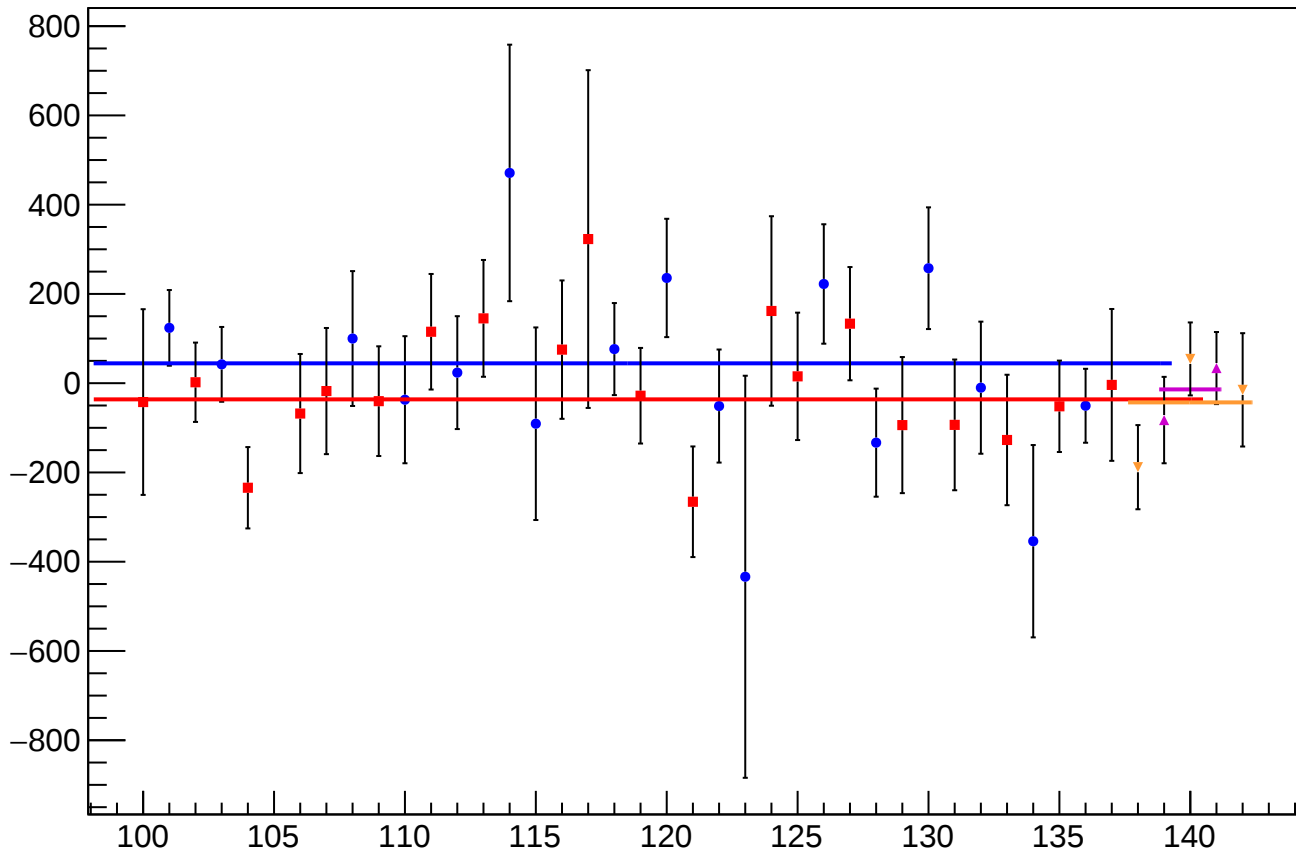
Right Out: 2173.762+/-0.611 χ^2/NDF : 1760181.2/19

Left In: 1120.761+/-0.642 χ^2/NDF : 3766.1/1

1628.740+/-0.433 χ^2/NDF : 3262858.1/19

1673.184+/-0.443 χ^2/NDF : 3173664.7/21

diff_bpm0r05X_mean vs Slug



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

Left Out: -43.038+/-55.543 χ^2/NDF : 3.8/2

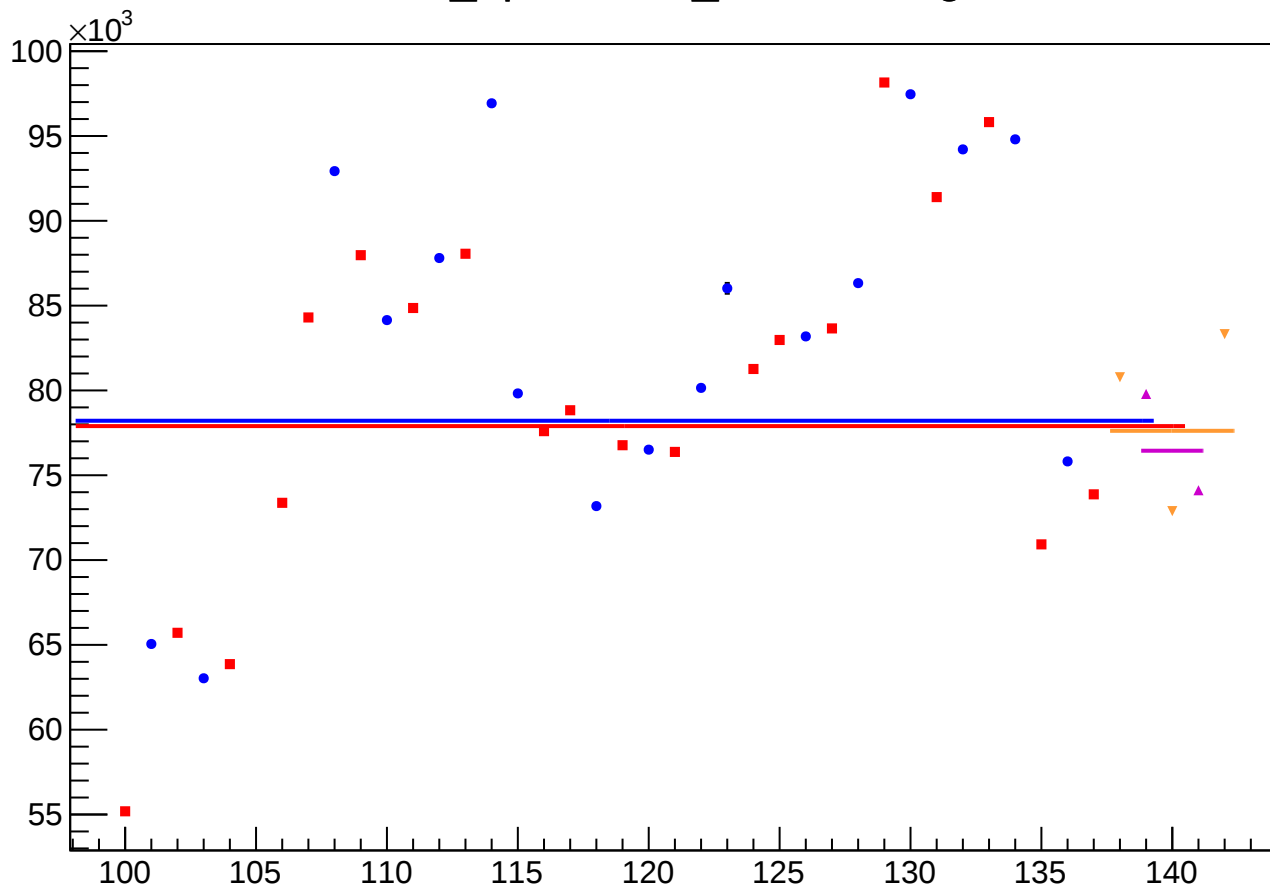
Right Out: -36.251+/-29.346 χ^2/NDF : 16.7/19

Left In: -13.921+/-62.016 χ^2/NDF : 0.9/1

24.277+/-26.689 χ^2/NDF : 24.8/19

-32.166+/-26.526 χ^2/NDF : 17.6/21

diff_bpm0r05X_rms vs Slug



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

Left Out: 77619.733 $\pm$ 39.275 χ^2 /NDF: 12982.0/2

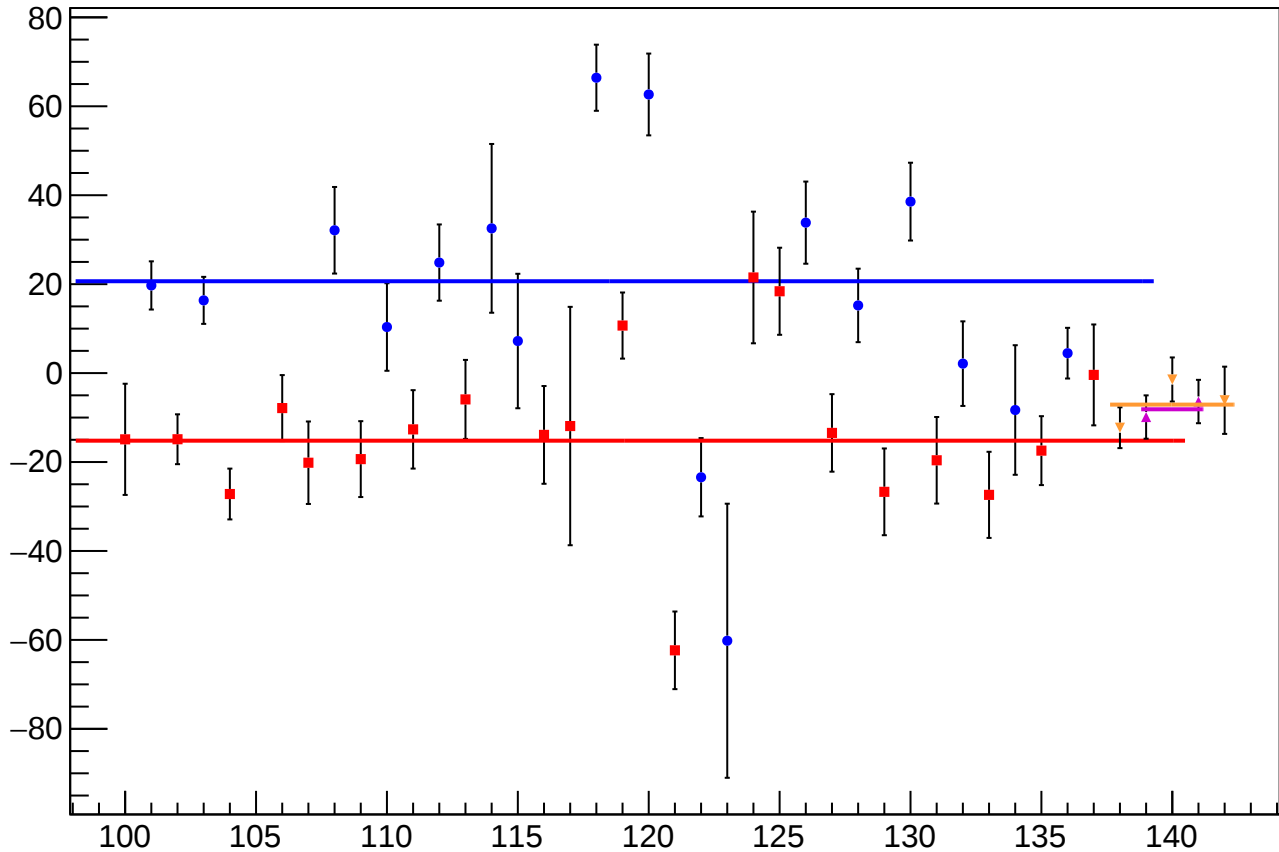
Right Out: 77897.594 $\pm$ 20.751 χ^2 /NDF: 246982.5/19

Left In: 76445.801 $\pm$ 43.852 χ^2 /NDF: 4056.2/1

78076.047 $\pm$ 18.872 χ^2 /NDF: 264214.2/19

77631.977 $\pm$ 18.757 χ^2 /NDF: 251934.2/21

diff_bpm0r05Y_mean vs Slug



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

Left Out: -7.087 $\pm$ 3.076 χ^2 /NDF: 2.6/2

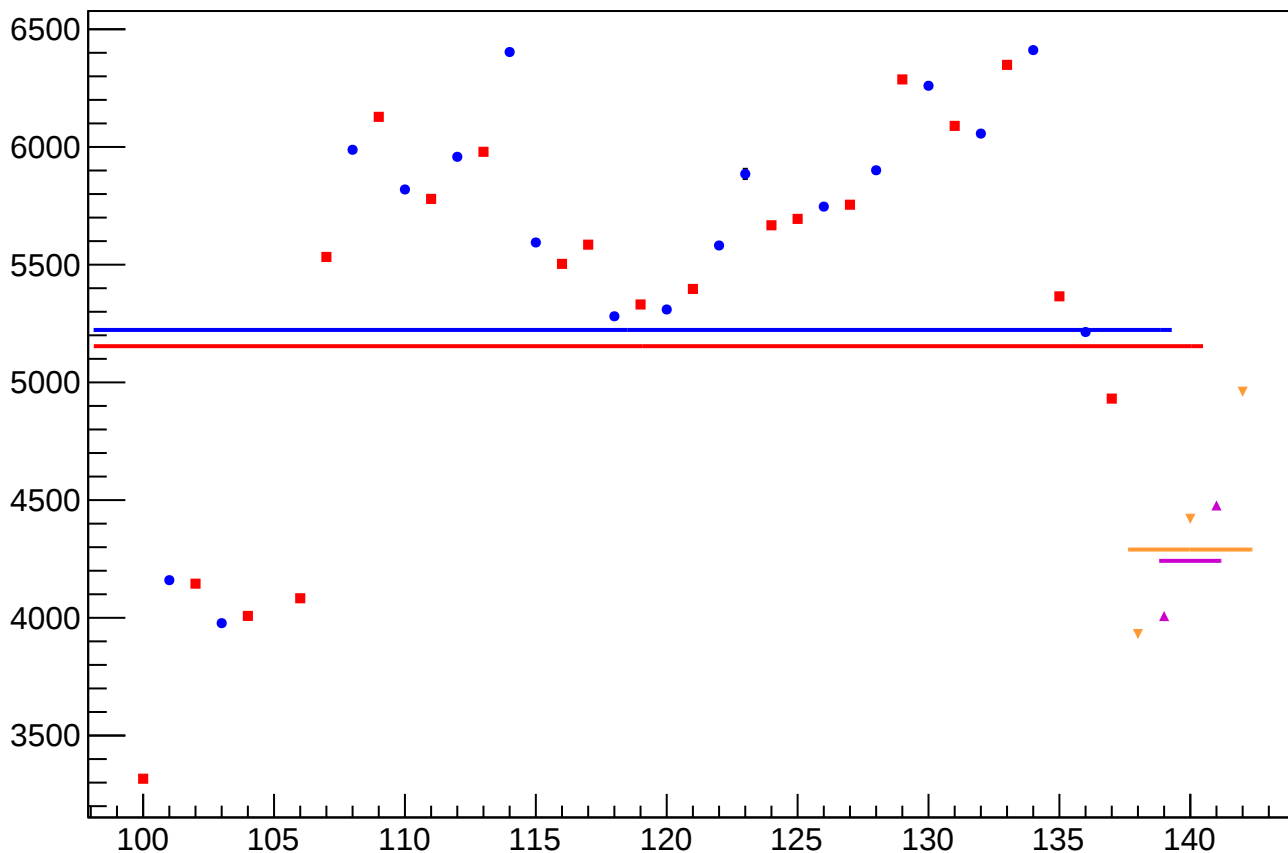
Right Out: -15.198 $\pm$ 1.950 χ^2 /NDF: 71.3/19

Left In: -8.141 $\pm$ 3.447 χ^2 /NDF: 0.3/1

12.207 $\pm$ 1.698 χ^2 /NDF: 176.9/19

-13.488 $\pm$ 1.697 χ^2 /NDF: 74.8/21

diff_bpm0r05Y_rms vs Slug



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

Left Out: 4289.985+/-2.175 χ^2/NDF : 29350.3/2

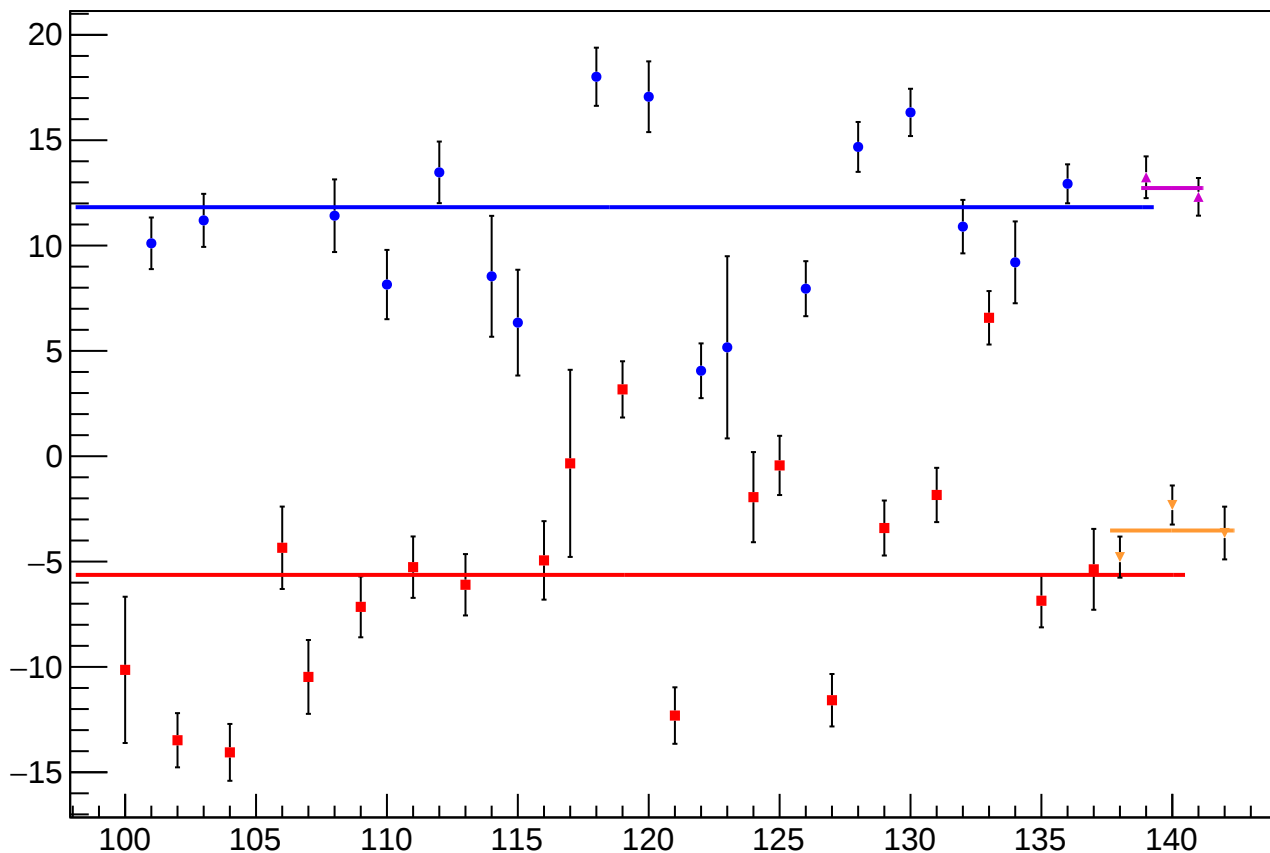
Right Out: 5153.826+/-1.379 χ^2/NDF : 388205.9/19

Left In: 4242.020+/-2.437 χ^2/NDF : 9291.6/1

4938.659+/-1.200 χ^2/NDF : 469724.5/19

4932.845+/-1.200 χ^2/NDF : 503526.5/21

diff_bpm2i01X_mean vs Slug



Right In: 11.821+/-0.344 χ^2 /NDF: 117.0/16

Left Out: -3.525+/-0.592 χ^2 /NDF: 3.4/2

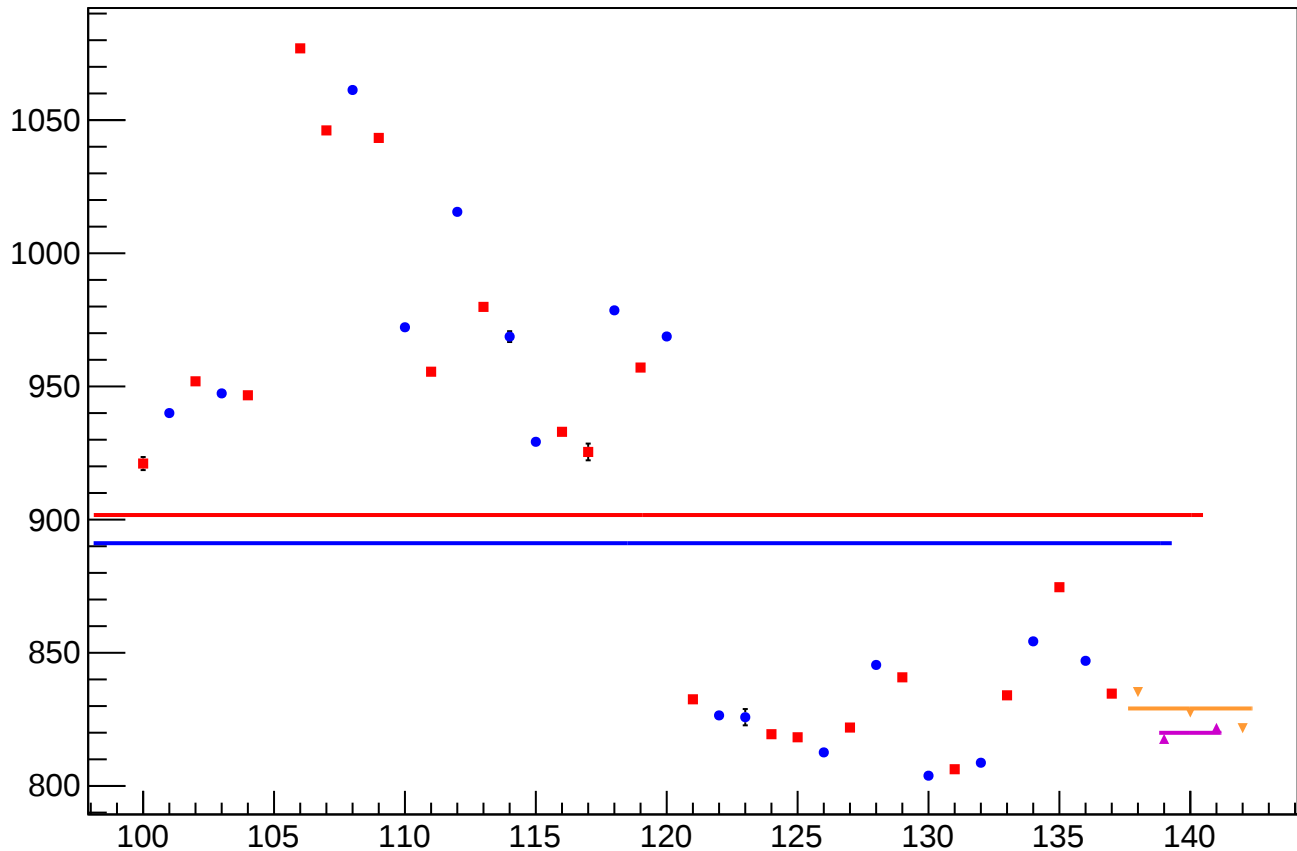
Right Out: -5.632+/-0.337 χ^2 /NDF: 301.6/19

Left In: 12.730+/-0.664 χ^2 /NDF: 0.5/1

7.939+/-0.298 χ^2 /NDF: 622.4/19

-1.861+/-0.301 χ^2 /NDF: 910.0/21

diff_bpm2i01X_rms vs Slug



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

Left Out: 829.096 $\pm$ 0.419 χ^2 /NDF:155.2/2

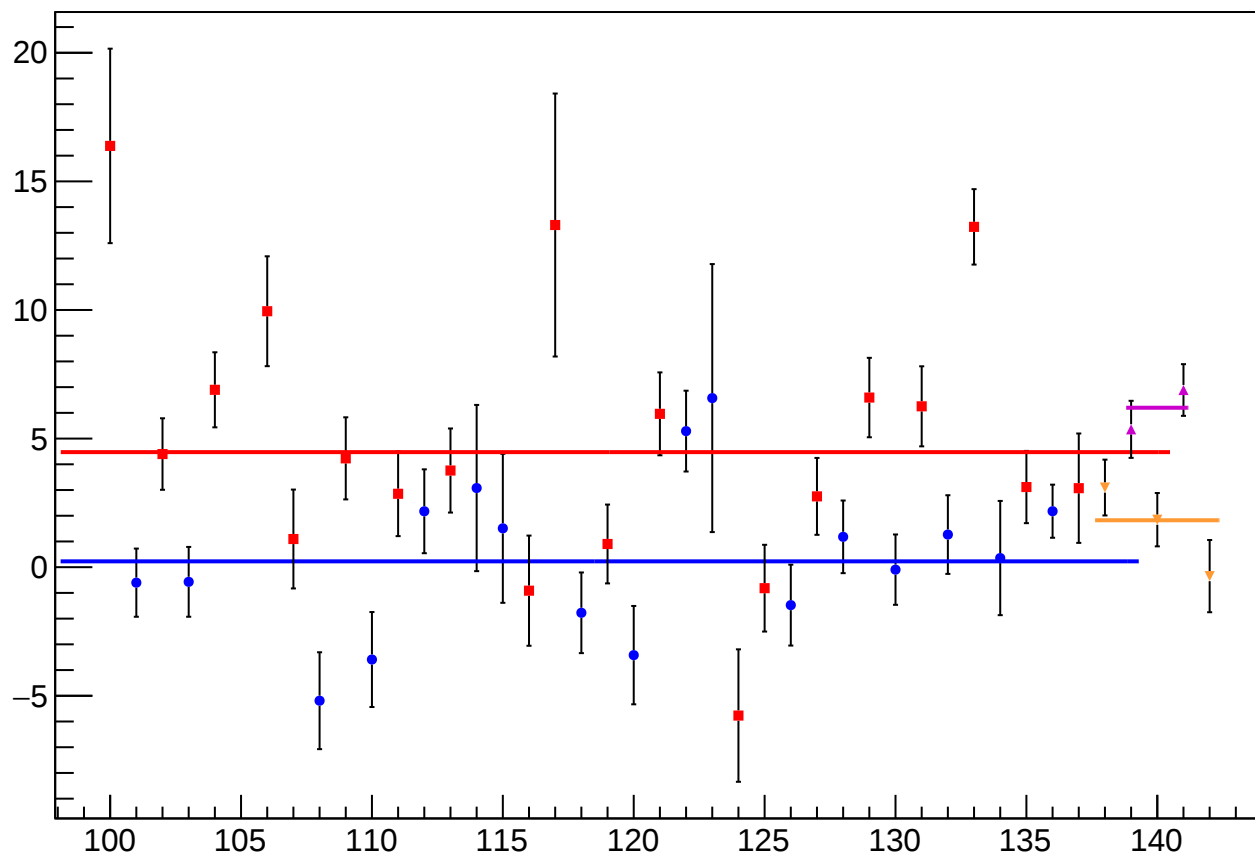
Right Out: 901.725 $\pm$ 0.239 χ^2 /NDF: 114648.1/19

Left In: 819.956 $\pm$ 0.469 χ^2 /NDF:19.2/1

875.453 $\pm$ 0.211 χ^2 /NDF: 118228.4/19

884.931 $\pm$ 0.213 χ^2 /NDF: 138780.8/21

diff_bpm2i01Y_mean vs Slug



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

Left Out: 1.824 ± 0.661 χ^2/NDF : 3.8/2

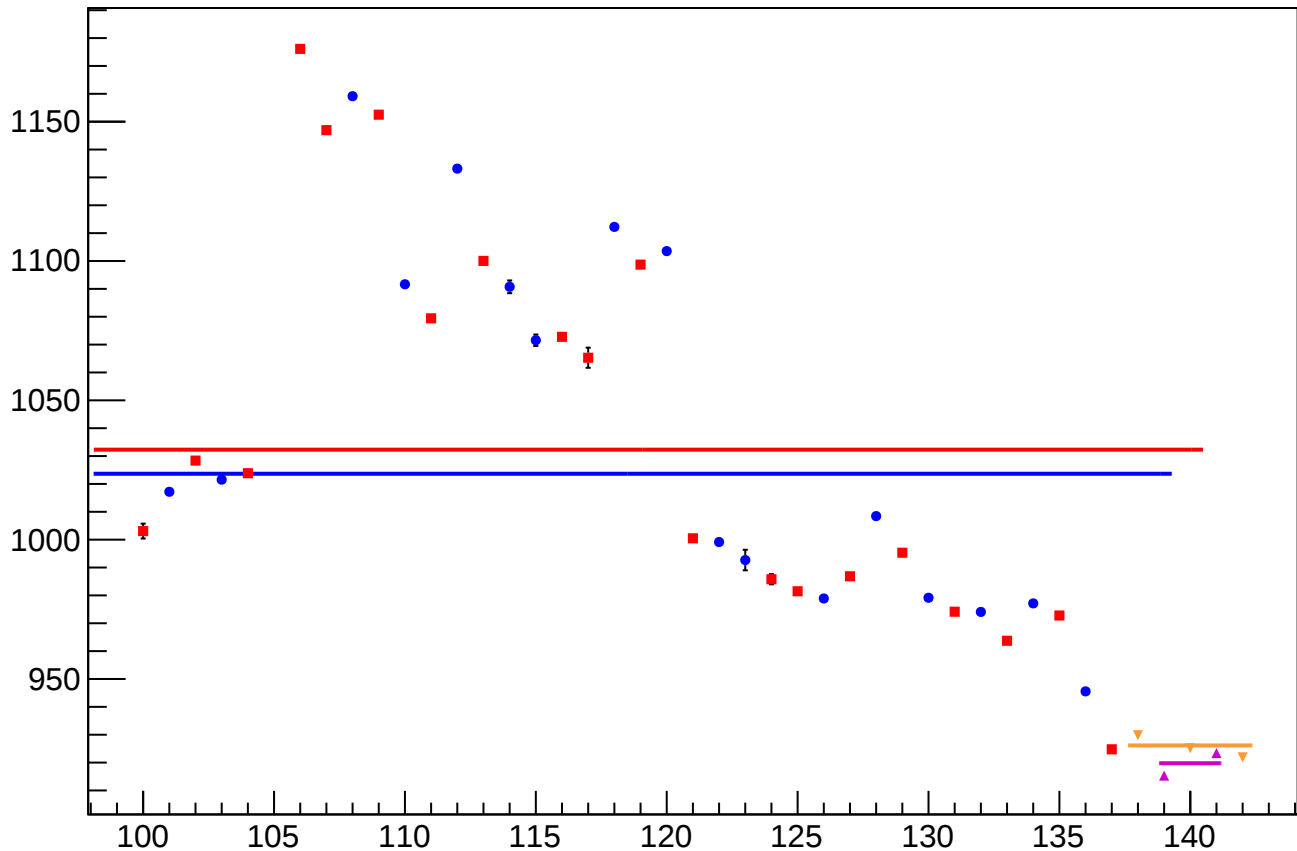
Right Out: 4.473 ± 0.386 χ^2/NDF : 106.3/19

Left In: 6.199 ± 0.745 χ^2/NDF : 1.0/1

0.647 ± 0.339 χ^2/NDF : 46.6/19

4.838 ± 0.342 χ^2/NDF : 111.6/21

diff_bpm2i01Y_rms vs Slug



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

Left Out: 926.156 $\pm$ 0.468 χ^2 /NDF: 43.2/2

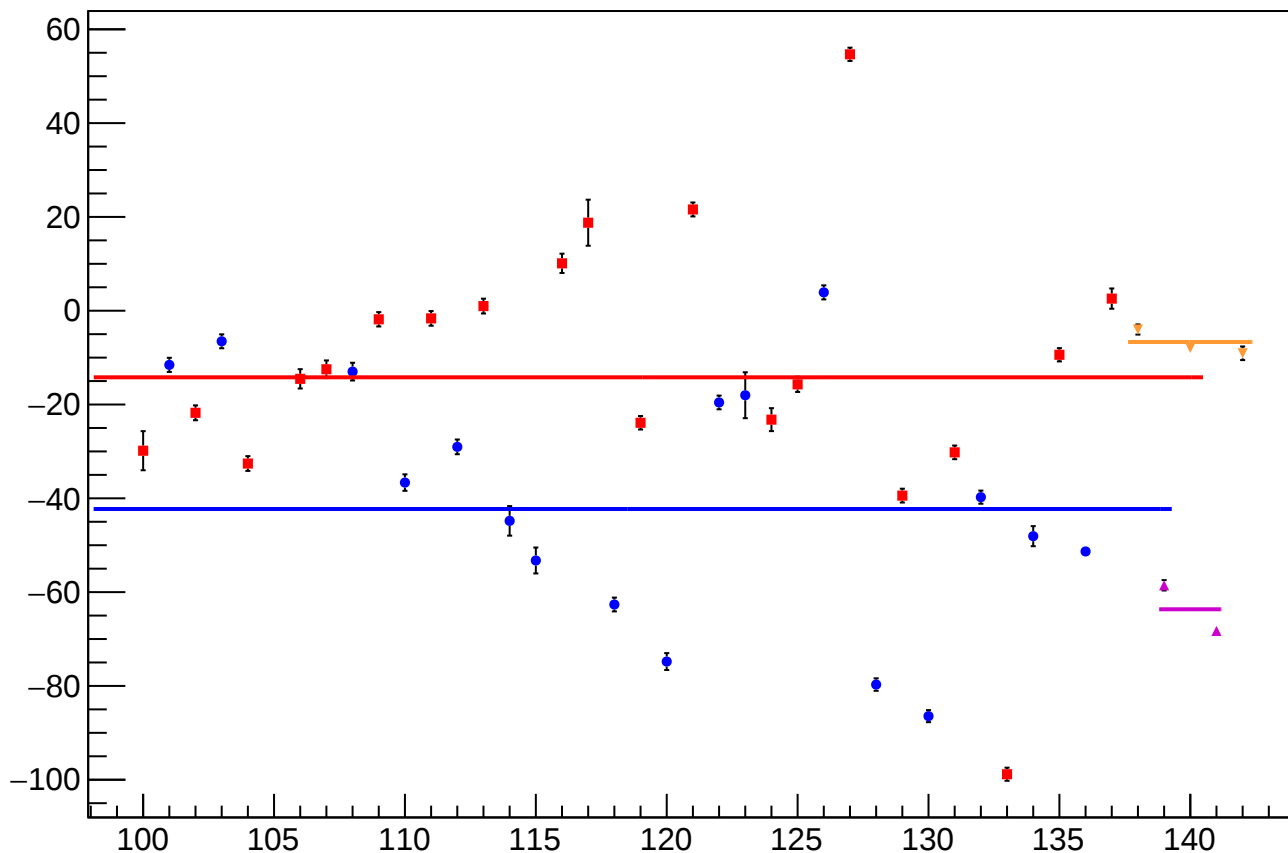
Right Out: 1032.296 $\pm$ 0.273 χ^2 /NDF: 59475.4/19

Left In: 919.769 $\pm$ 0.527 χ^2 /NDF: 58.4/1

998.016 $\pm$ 0.240 χ^2 /NDF: 84461.8/19

1008.504 $\pm$ 0.242 χ^2 /NDF: 95541.8/21

diff_bpm2i02X_mean vs Slug



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

Left Out: -6.668 ± 0.672 χ^2/NDF : 10.2/2

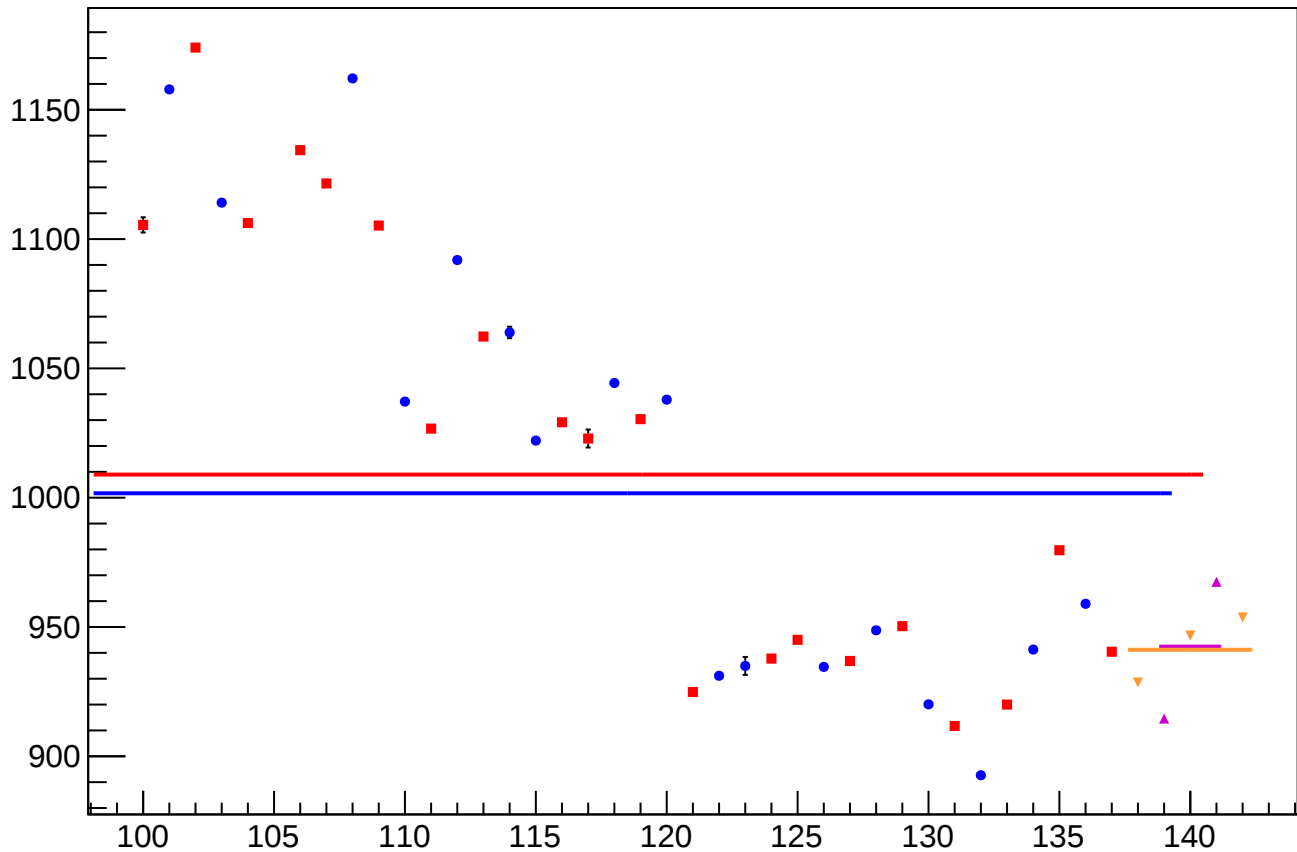
Right Out: -14.197 ± 0.377 χ^2/NDF : 7715.1/19

Left In: -63.659 ± 0.763 χ^2/NDF : 40.5/1

-33.404 ± 0.335 χ^2/NDF : 7245.7/19

-23.912 ± 0.338 χ^2/NDF : 11130.1/21

diff_bpm2i02X_rms vs Slug



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

Left Out: 941.197 ± 0.475 χ^2/NDF : 475.0/2

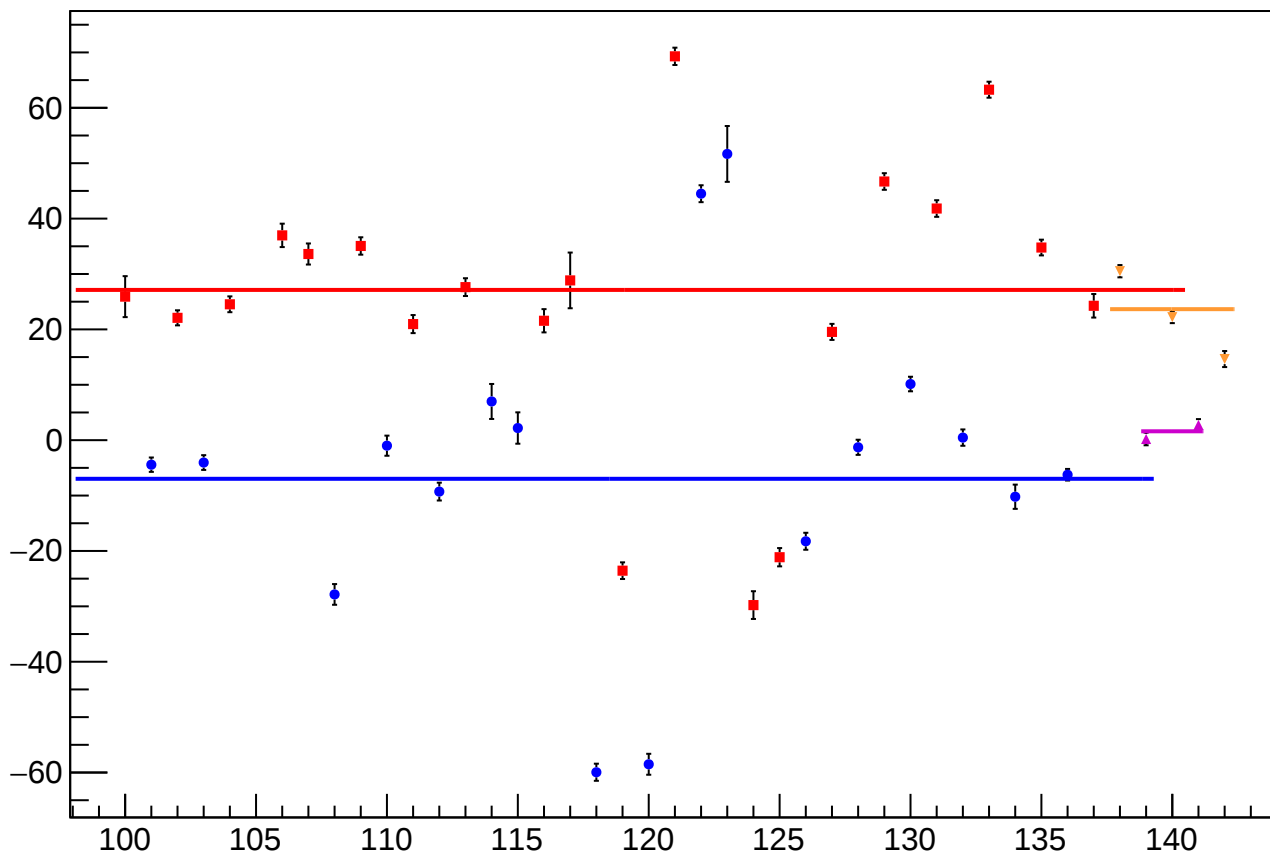
Right Out: 1008.931 ± 0.267 χ^2/NDF : 95366.1/19

Left In: 942.396 ± 0.540 χ^2/NDF : 2393.7/1

986.627 ± 0.237 χ^2/NDF : 108131.6/19

995.864 ± 0.239 χ^2/NDF : 109972.0/21

diff_bpm2i02Y_mean vs Slug



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

Left Out: 23.652 ± 0.681 χ^2/NDF : 78.6/2

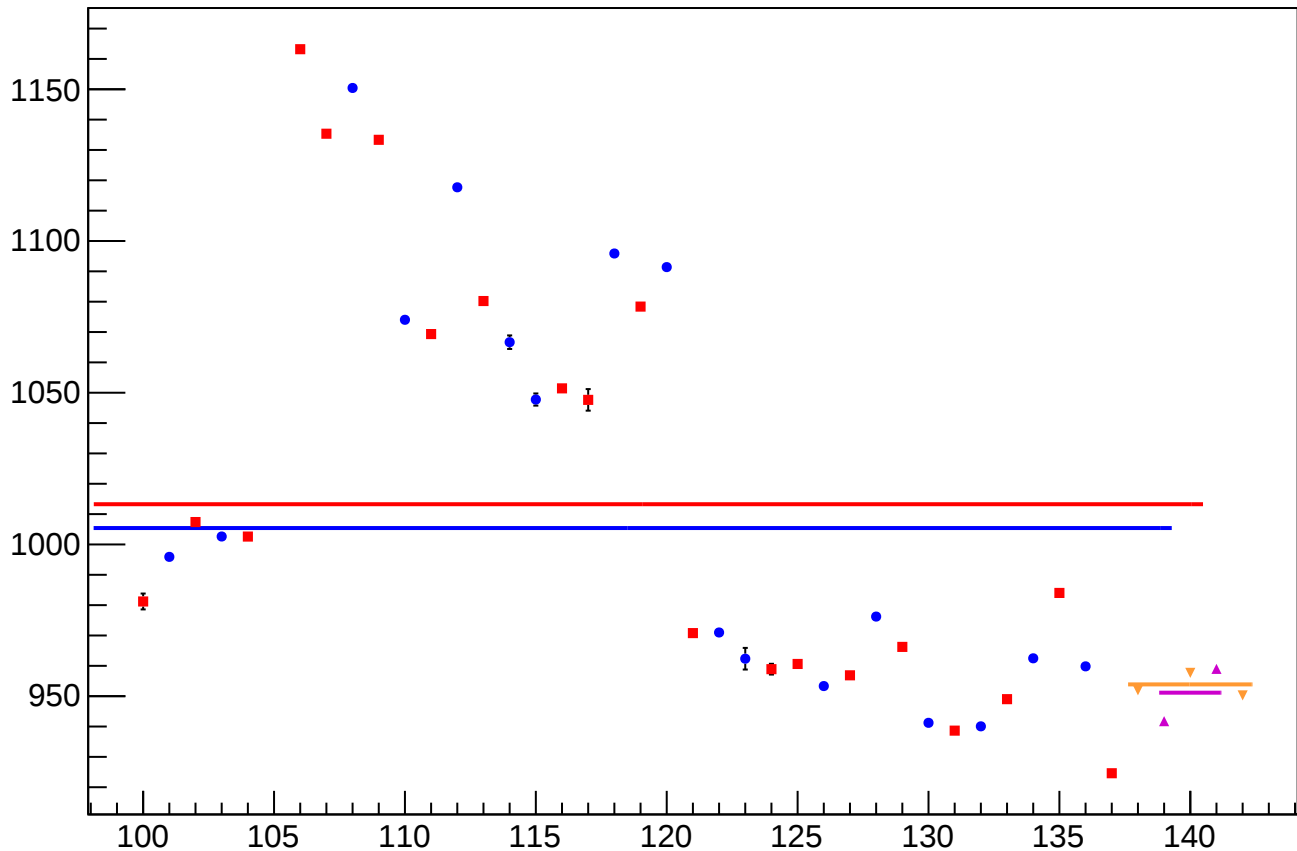
Right Out: 27.125 ± 0.379 χ^2/NDF : 4283.6/19

Left In: 1.602 ± 0.770 χ^2/NDF : 2.7/1

0.530 ± 0.337 χ^2/NDF : 5242.5/19

22.159 ± 0.340 χ^2/NDF : 5171.1/21

diff_bpm2i02Y_rms vs Slug



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

Left Out: 953.884 $\pm$ 0.482 χ^2 /NDF:43.8/2

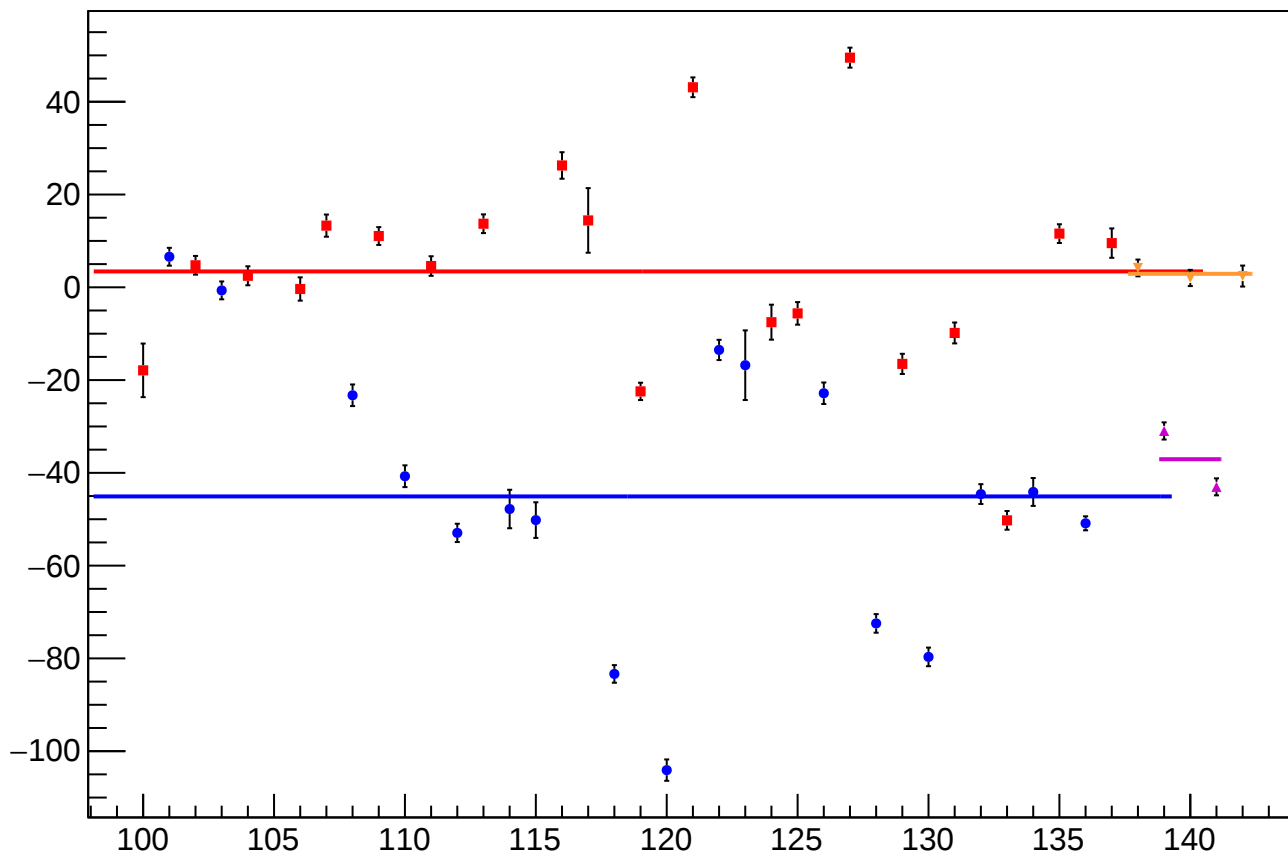
Right Out: 1013.260 $\pm$ 0.268 χ^2 /NDF: 63359.8/19

Left In: 951.153 $\pm$ 0.545 χ^2 /NDF:248.6/1

992.784 $\pm$ 0.238 χ^2 /NDF: 63273.8/19

1001.175 $\pm$ 0.240 χ^2 /NDF: 74085.6/21

diff_bpm0i02X_mean vs Slug



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

Left Out: 2.908 ± 1.099 $\chi^2/\text{NDF}: 0.8/2$

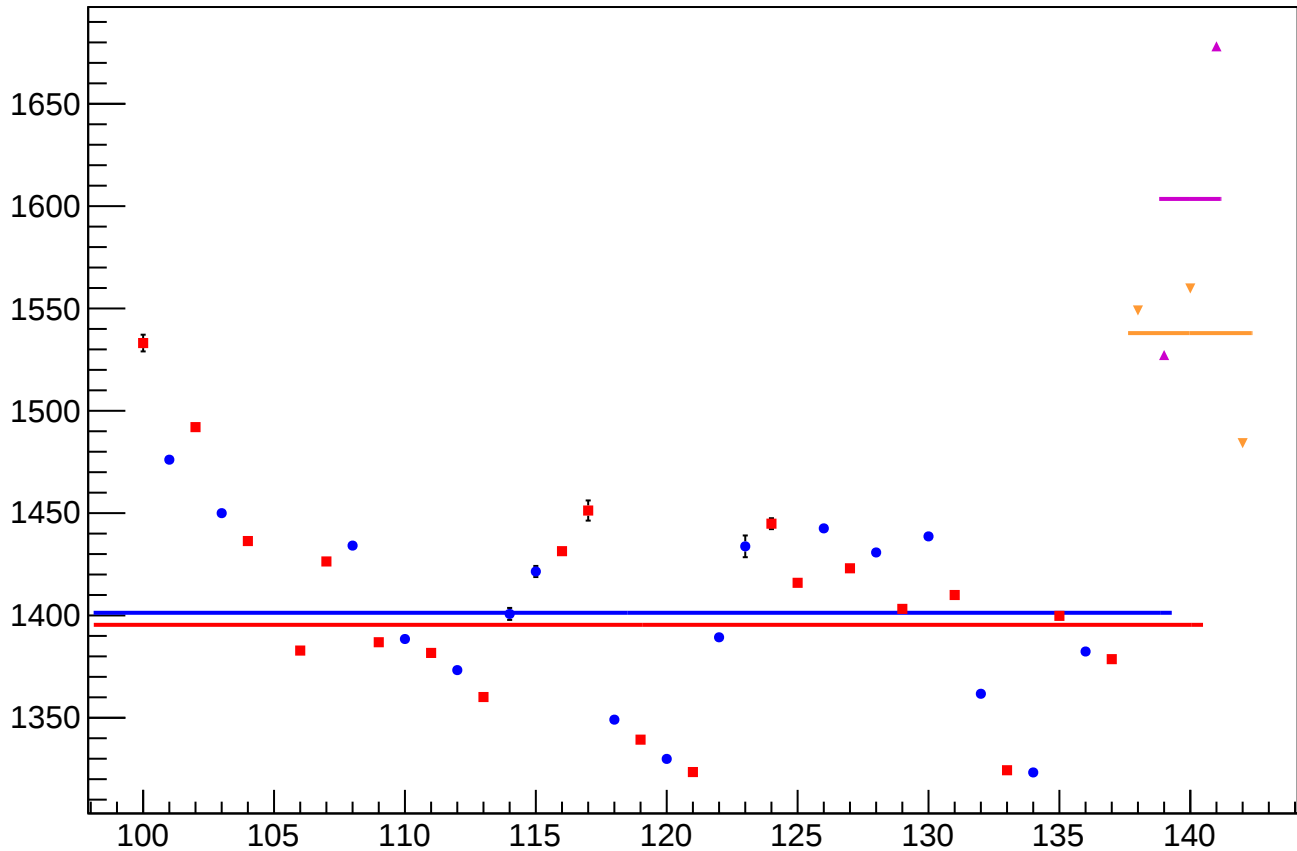
Right Out: 3.419 ± 0.520 $\chi^2/\text{NDF}: 2008.2/19$

Left In: -37.060 ± 1.302 $\chi^2/\text{NDF}: 21.4/1$

-35.754 ± 0.484 $\chi^2/\text{NDF}: 4775.5/19$

-2.156 ± 0.483 $\chi^2/\text{NDF}: 2863.1/21$

diff_bpm0i02X_rms vs Slug



Right In: 1401.307 ± 0.382 χ^2/NDF : 12852.1/16

Left Out: 1537.962 ± 0.777 χ^2/NDF : 1516.8/2

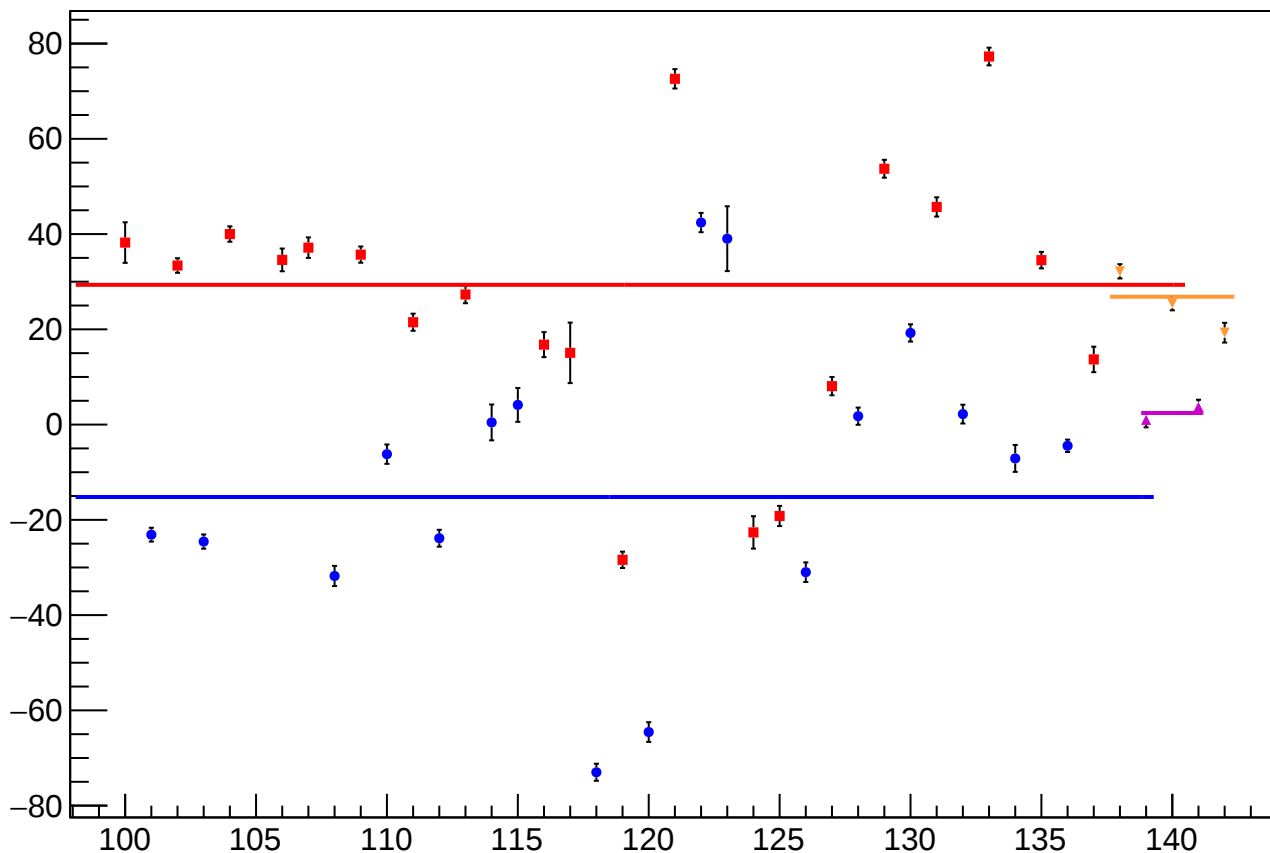
Right Out: 1395.419 ± 0.368 χ^2/NDF : 15649.3/19

Left In: 1603.523 ± 0.921 χ^2/NDF : 6710.0/1

1427.865 ± 0.343 χ^2/NDF : 39289.5/19

1424.080 ± 0.342 χ^2/NDF : 66415.6/21

diff_bpm0i02Y_mean vs Slug



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

Left Out: 26.843 ± 0.940 χ^2/NDF : 26.8/2

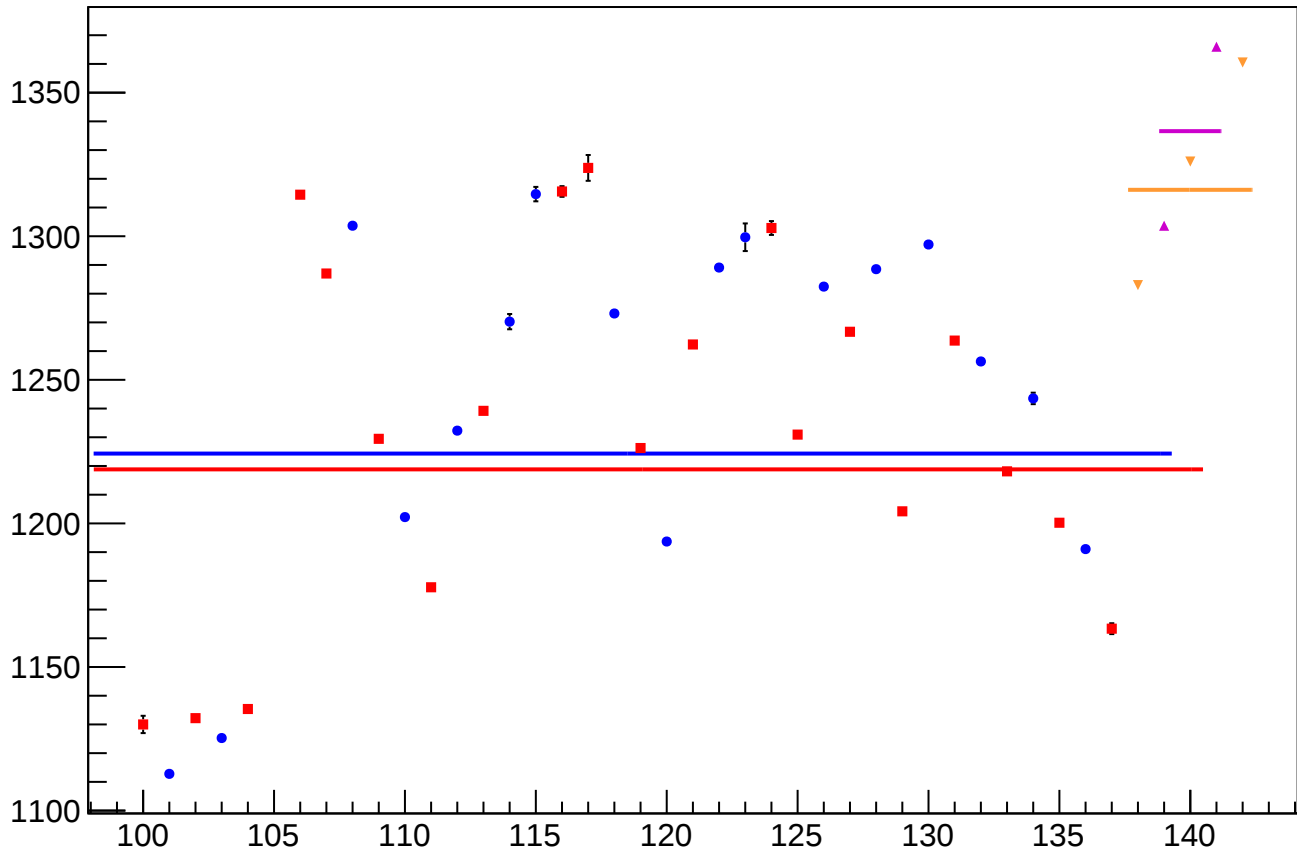
Right Out: 29.344 ± 0.455 χ^2/NDF : 3549.9/19

Left In: 2.437 ± 1.085 χ^2/NDF : 1.6/1

-6.737 ± 0.422 χ^2/NDF : 4985.9/19

25.321 ± 0.420 χ^2/NDF : 4074.3/21

diff_bpm0i02Y_rms vs Slug



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

Left Out: 1316.165+/-0.665 χ^2/NDF :1983.6/2

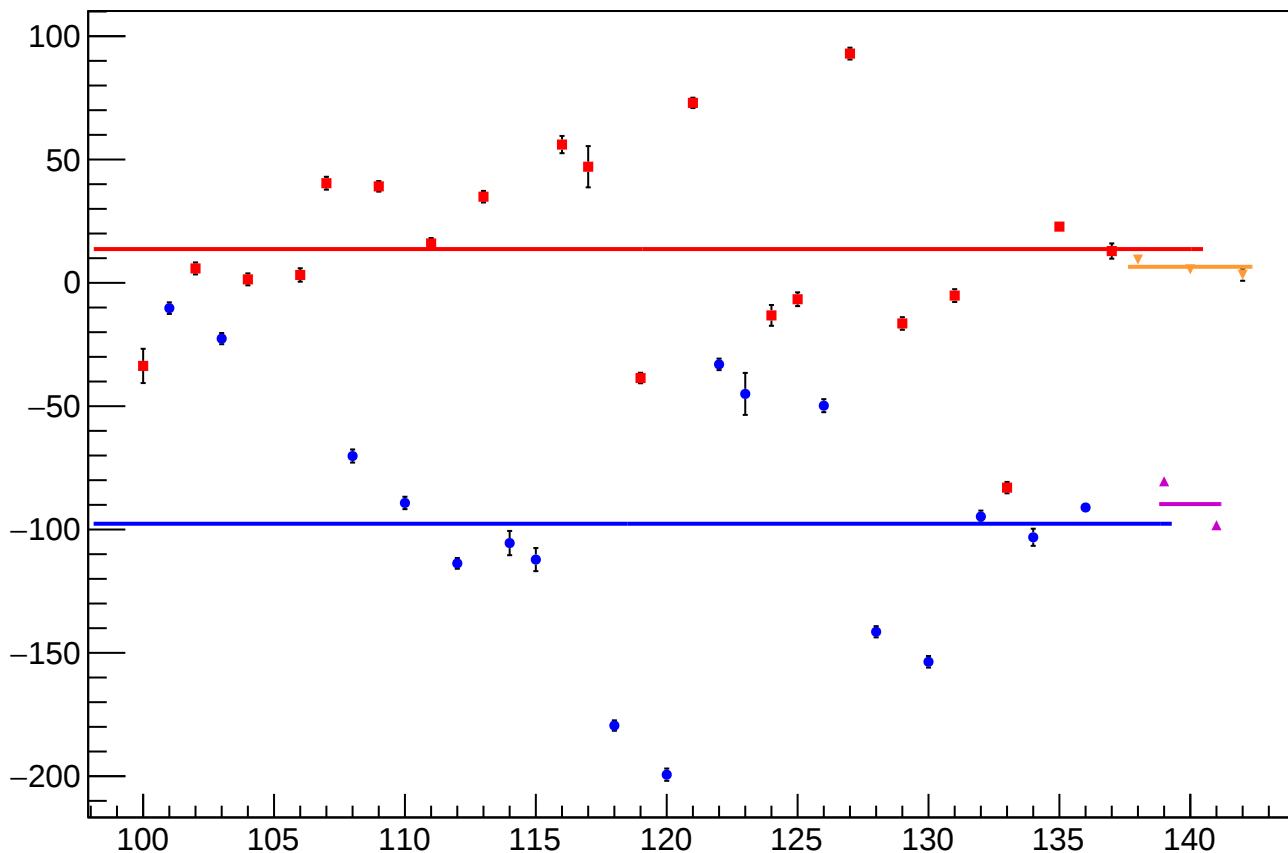
Right Out: 1218.817+/-0.322 χ^2/NDF : 28121.5/19

Left In: 1336.595+/-0.767 χ^2/NDF :1644.6/1

1242.810+/-0.298 χ^2/NDF : 56000.1/19

1236.427+/-0.297 χ^2/NDF : 49801.3/21

diff_bpm0i02aX_mean vs Slug



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

Left Out: 6.511 ± 1.158 $\chi^2/\text{NDF}: 4.4/2$

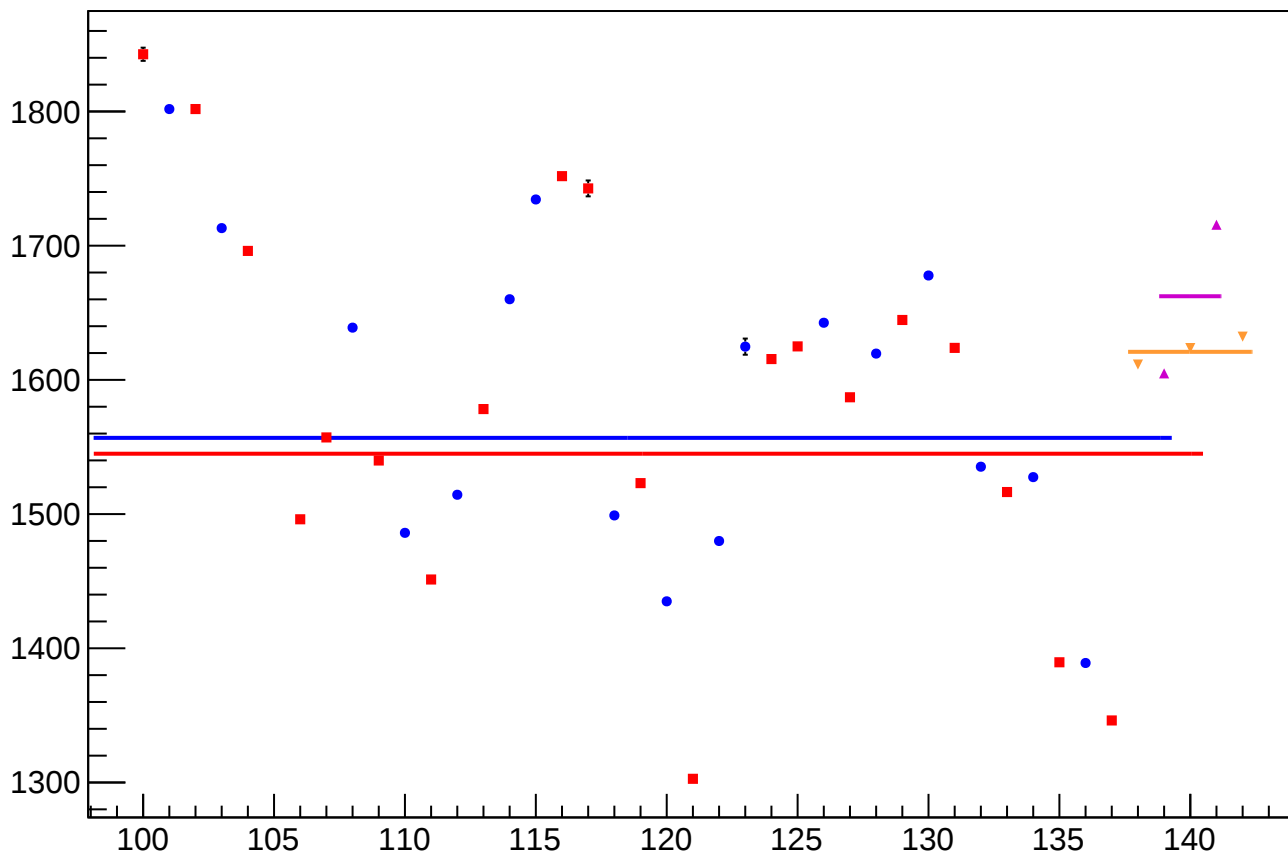
Right Out: 13.698 ± 0.578 $\chi^2/\text{NDF}: 5144.2/19$

Left In: -89.686 ± 1.349 $\chi^2/\text{NDF}: 43.5/1$

-75.521 ± 0.534 $\chi^2/\text{NDF}: 14318.2/19$

-2.333 ± 0.531 $\chi^2/\text{NDF}: 10149.0/21$

diff_bpm0i02aX_rms vs Slug



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

Left Out: 1620.904 ± 0.819 χ^2/NDF : 96.9/2

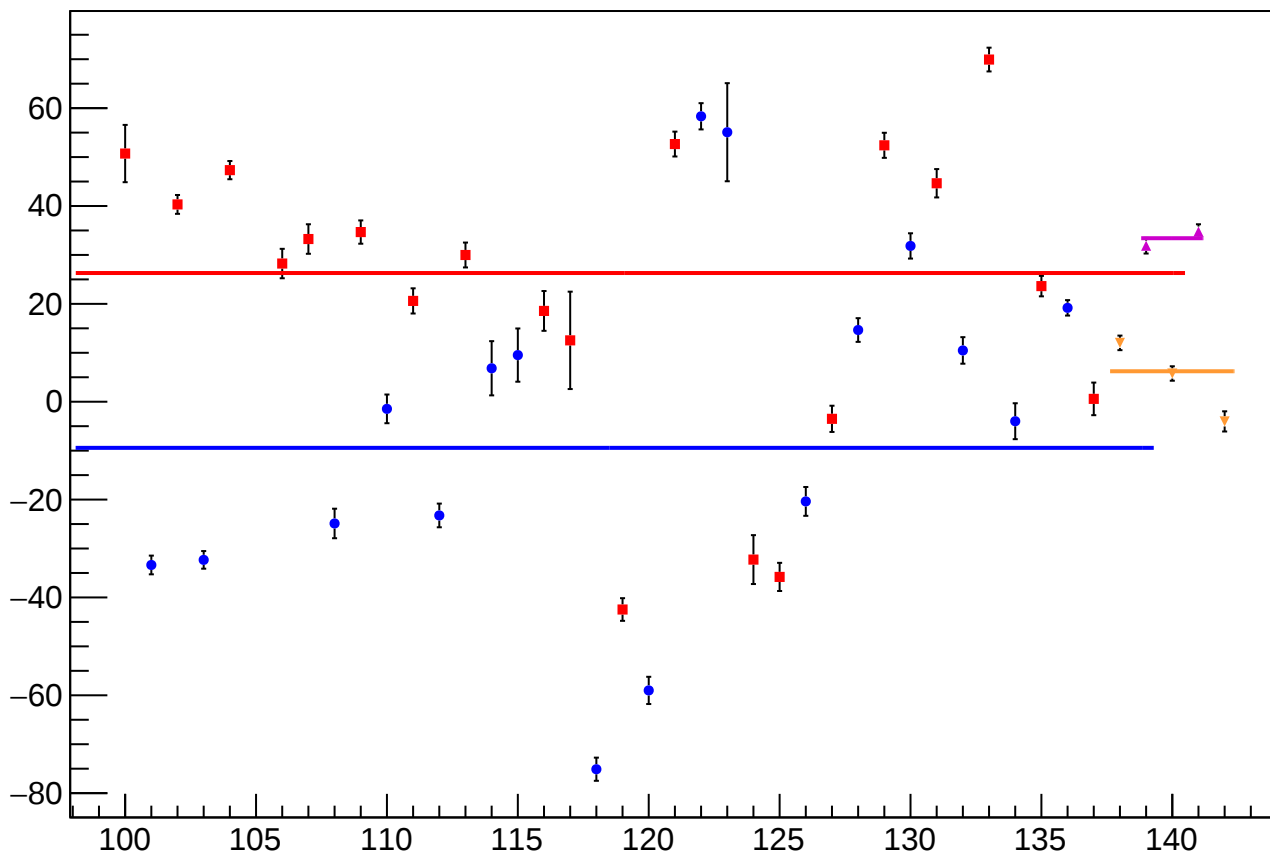
Right Out: 1544.983 ± 0.409 χ^2/NDF : 101624.6/19

Left In: 1662.323 ± 0.954 χ^2/NDF : 3364.5/1

1570.422 ± 0.377 χ^2/NDF : 86476.3/19

1563.178 ± 0.376 χ^2/NDF : 117771.5/21

diff_bpm0i02aY_mean vs Slug



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

Left Out: 6.227 ± 0.934 χ^2/NDF : 40.0/2

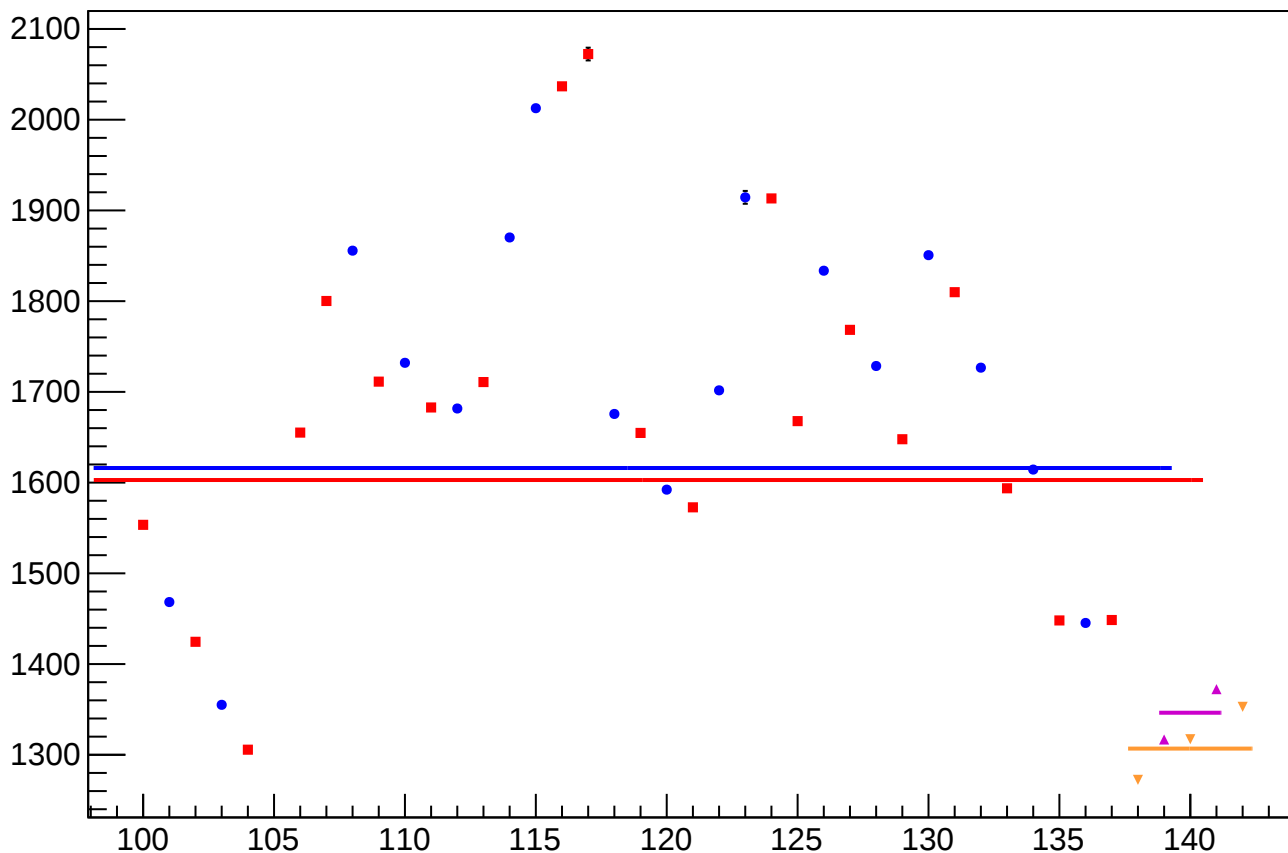
Right Out: 26.304 ± 0.602 χ^2/NDF : 2474.0/19

Left In: 33.416 ± 1.093 χ^2/NDF : 1.7/1

-4.573 ± 0.520 χ^2/NDF : 3157.7/19

27.959 ± 0.527 χ^2/NDF : 2508.2/21

diff_bpm0i02aY_rms vs Slug



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

Left Out: 1306.833+/-0.661 χ^2/NDF : 2166.0/2

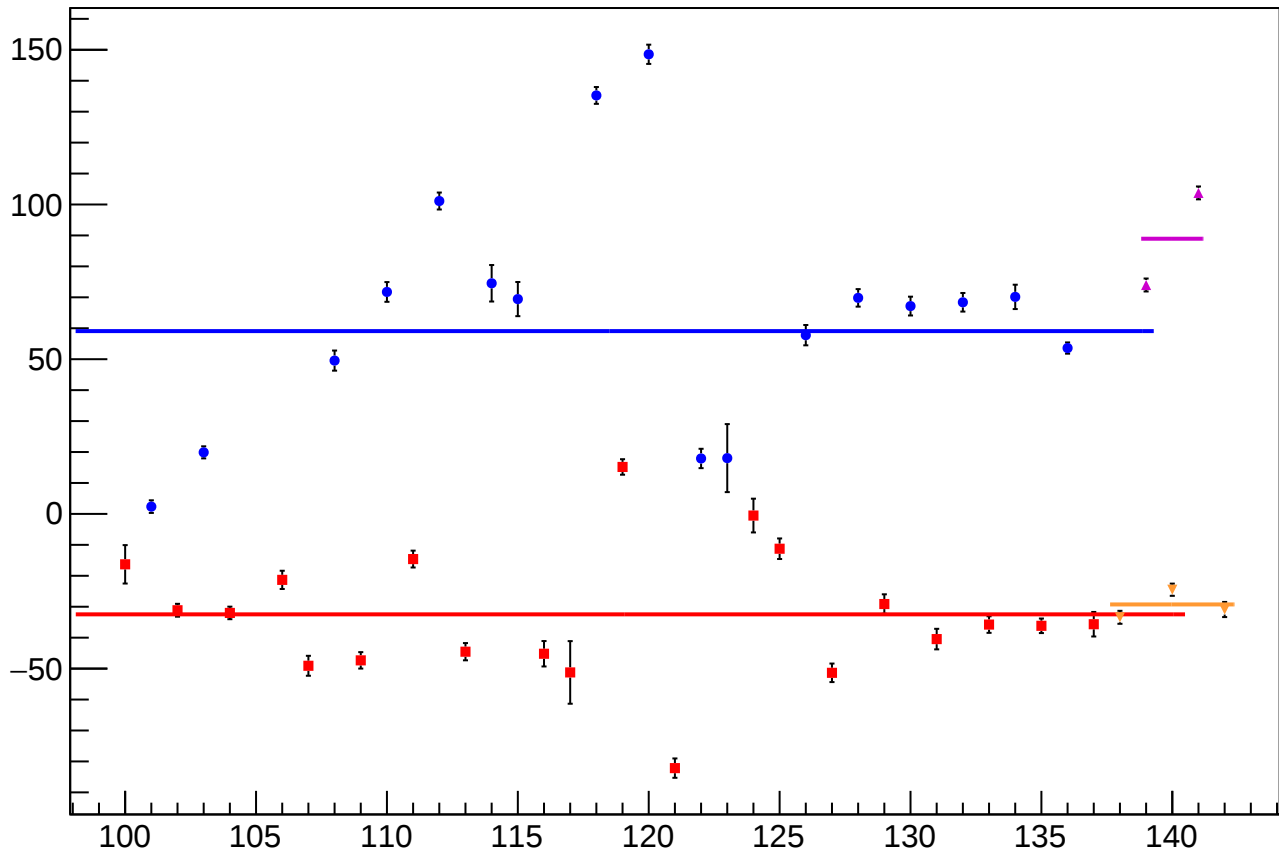
Right Out: 1602.857+/-0.425 χ^2/NDF : 158119.5/19

Left In: 1346.354+/-0.773 χ^2/NDF : 1284.1/1

1520.192+/-0.368 χ^2/NDF : 302909.5/19

1543.172+/-0.373 χ^2/NDF : 243978.0/21

diff_bpm0i05X_mean vs Slug



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

Left Out: -29.259 ± 1.240 χ^2/NDF : 10.2/2

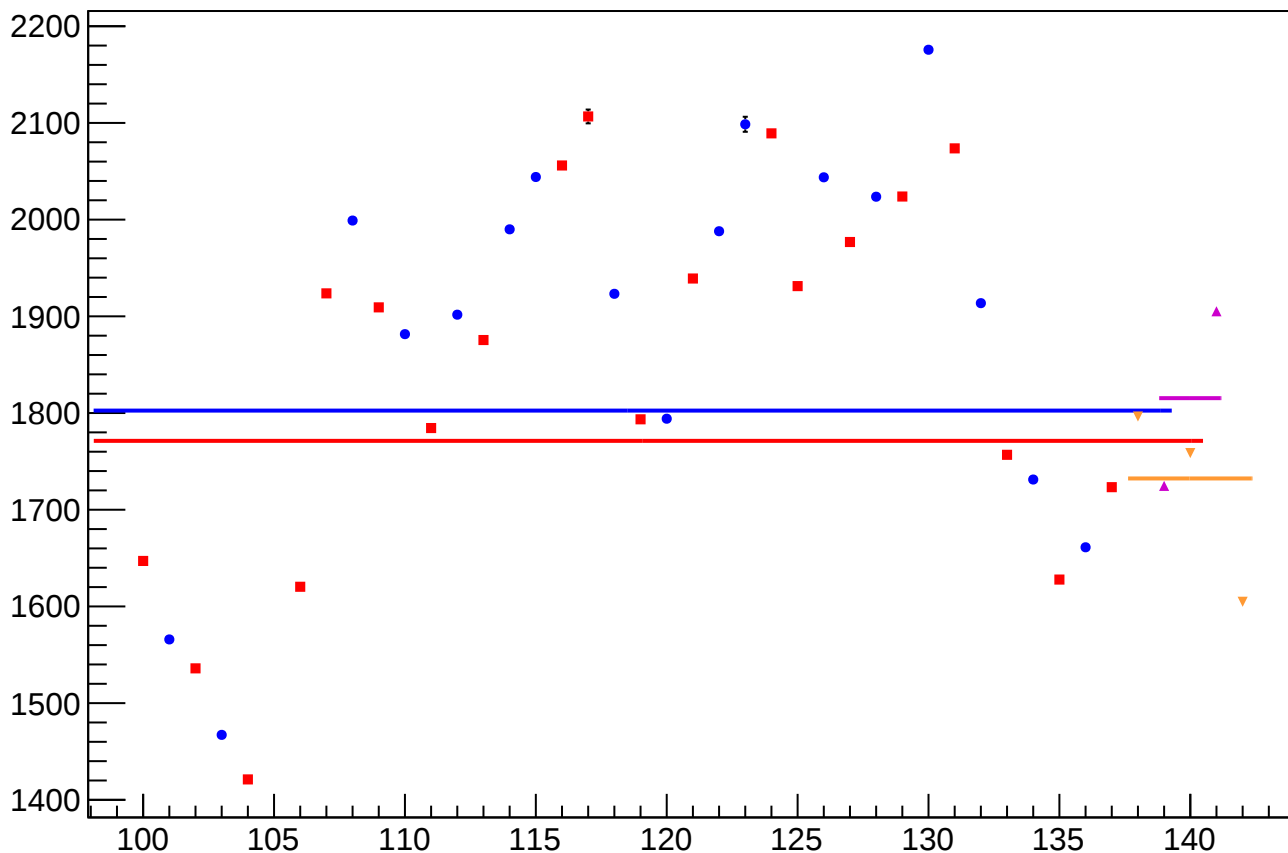
Right Out: -32.463 ± 0.665 χ^2/NDF : 894.9/19

Left In: 88.936 ± 1.477 χ^2/NDF : 101.6/1

37.748 ± 0.609 χ^2/NDF : 7155.9/19

-11.989 ± 0.606 χ^2/NDF : 6616.3/21

diff_bpm0i05X_rms vs Slug



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

Left Out: 1732.343 ± 0.877 χ^2/NDF : 7650.3/2

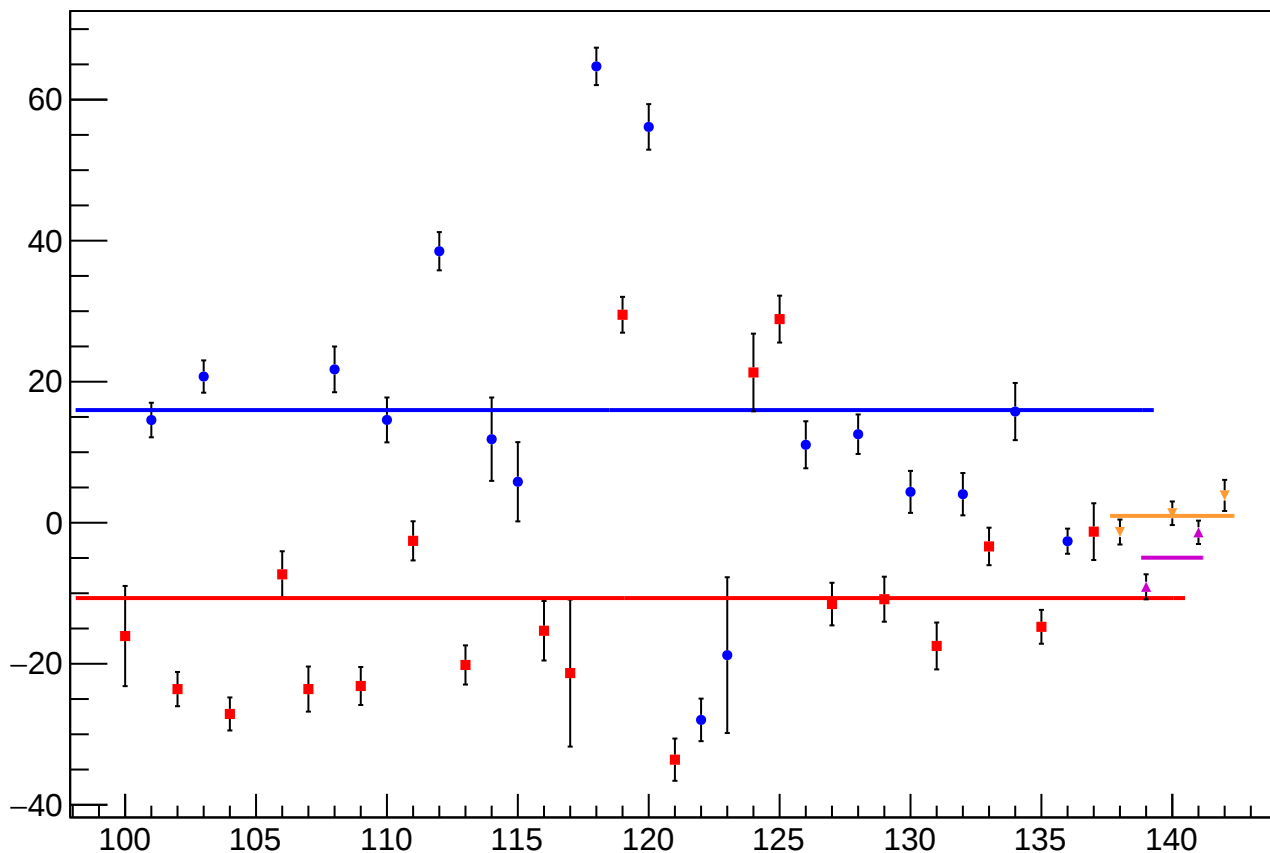
Right Out: 1771.228 ± 0.470 χ^2/NDF : 180101.6/19

Left In: 1815.389 ± 1.044 χ^2/NDF : 7476.0/1

1785.576 ± 0.431 χ^2/NDF : 196581.7/19

1778.676 ± 0.429 χ^2/NDF : 189064.9/21

diff_bpm0i05Y_mean vs Slug



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

Left Out: 0.970 ± 1.064 χ^2/NDF : 3.5/2

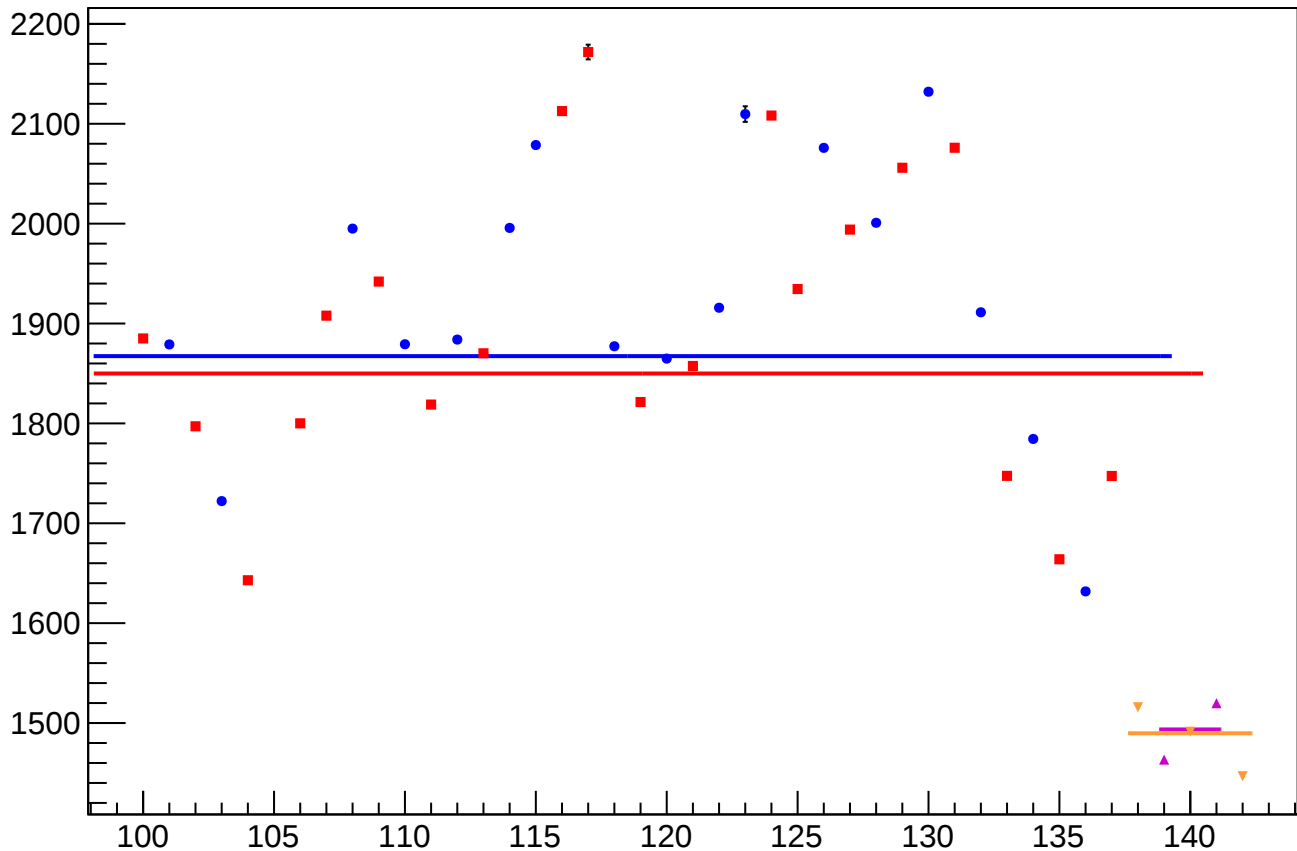
Right Out: -10.685 ± 0.692 χ^2/NDF : 643.2/19

Left In: -4.957 ± 1.210 χ^2/NDF : 10.1/1

11.250 ± 0.597 χ^2/NDF : 1078.0/19

-9.274 ± 0.601 χ^2/NDF : 670.2/21

diff_bpm0i05Y_rms vs Slug



Right In: 1867.343+/-0.510 χ^2/NDF : 80926.4/16

Left Out: 1489.748+/-0.753 χ^2/NDF :1195.5/2

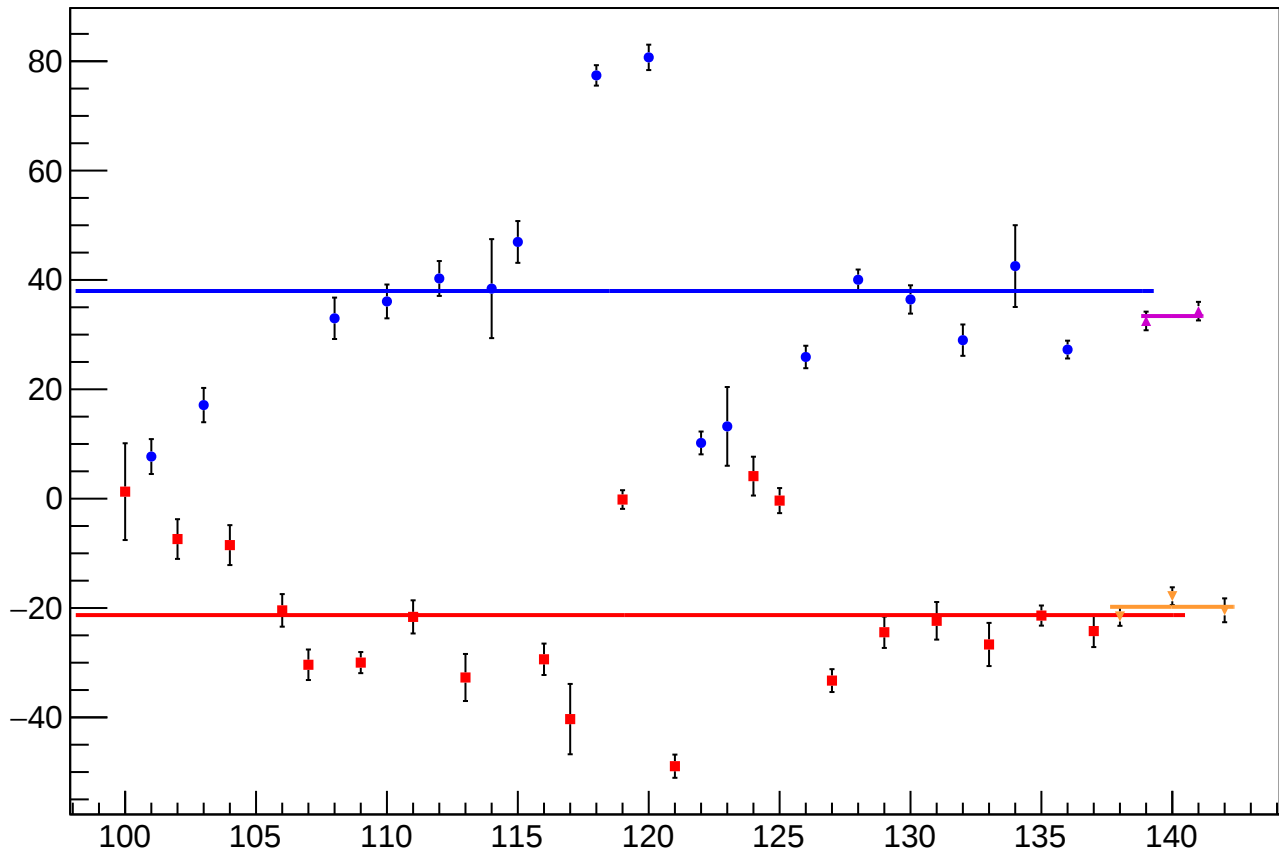
Right Out: 1849.954+/-0.489 χ^2/NDF : 74440.9/19

Left In: 1493.572+/-0.856 χ^2/NDF :1084.2/1

1748.425+/-0.422 χ^2/NDF : 254579.5/19

1762.206+/-0.425 χ^2/NDF : 206203.4/21

diff_bpm0i07X_mean vs Slug



Right In: 37.979 ± 0.637 $\chi^2/\text{NDF}: 1204.3/16$

Left Out: -19.781 ± 1.039 $\chi^2/\text{NDF}: 2.6/2$

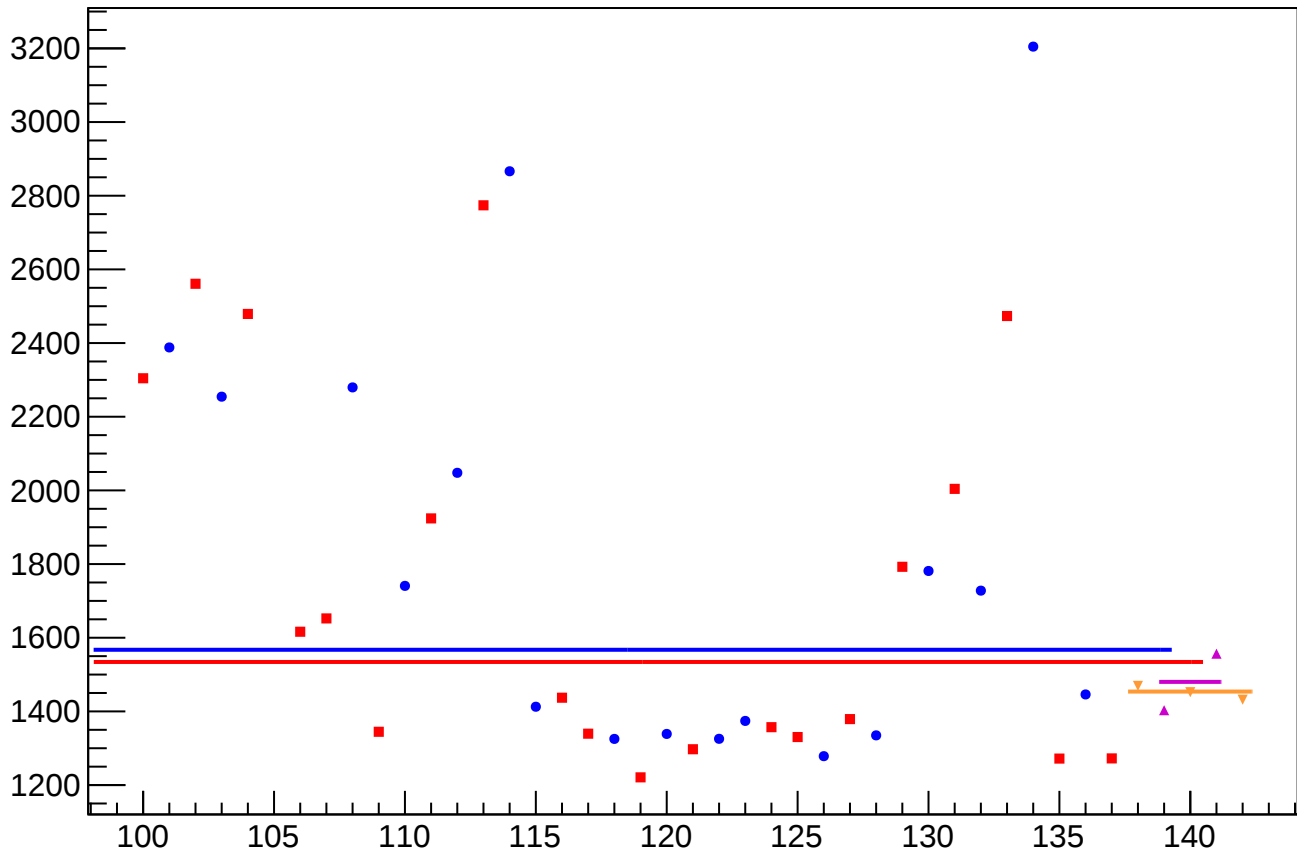
Right Out: -21.294 ± 0.606 $\chi^2/\text{NDF}: 582.5/19$

Left In: 33.398 ± 1.203 $\chi^2/\text{NDF}: 0.6/1$

22.186 ± 0.543 $\chi^2/\text{NDF}: 3452.3/19$

-10.229 ± 0.541 $\chi^2/\text{NDF}: 2233.0/21$

diff_bpm0i07X_rms vs Slug



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

Left Out: 1453.851+/-0.735 χ^2/NDF : 368.8/2

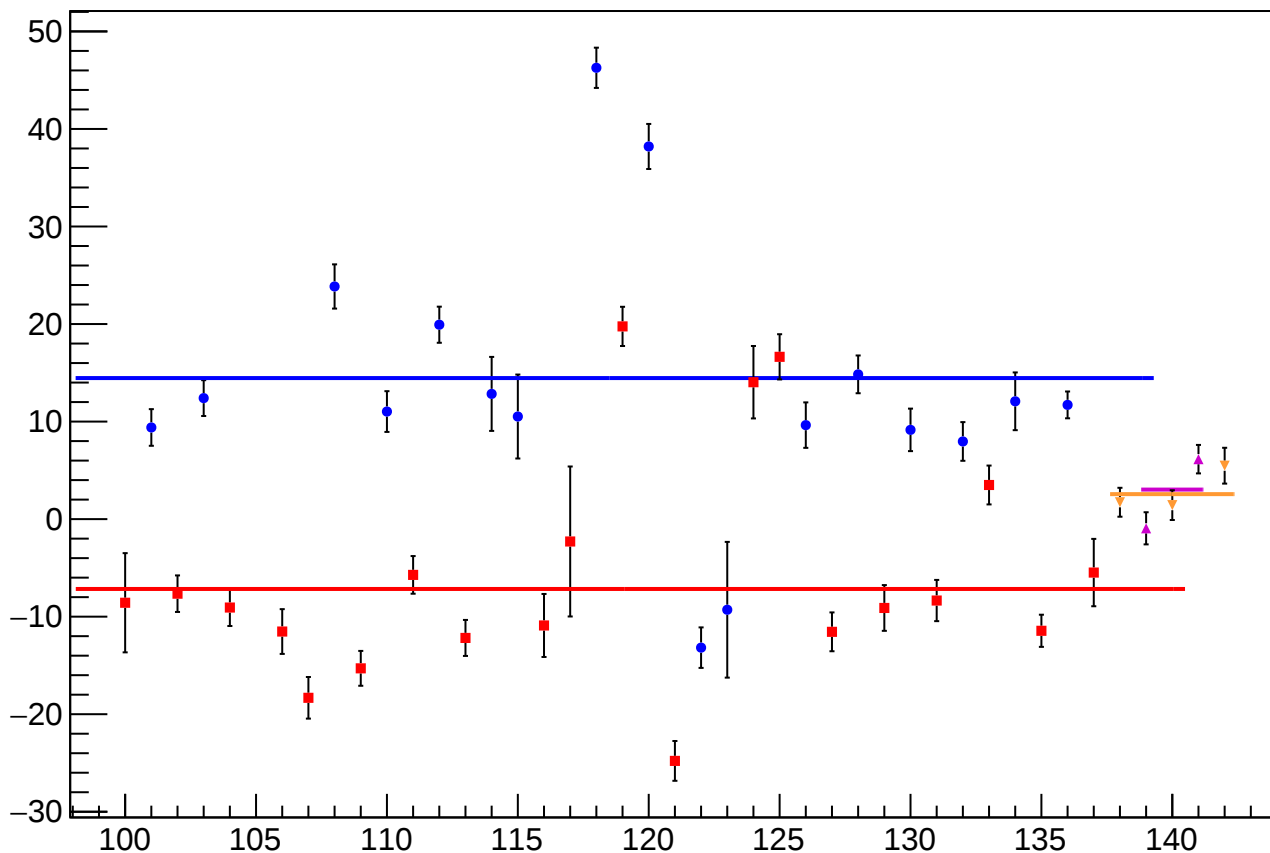
Right Out: 1534.225+/-0.428 χ^2/NDF : 883947.6/19

Left In: 1480.132+/-0.850 χ^2/NDF : 8144.1/1

1536.301+/-0.384 χ^2/NDF : 691153.9/19

1523.281+/-0.382 χ^2/NDF : 895319.6/21

diff_bpm0i07Y_mean vs Slug



Right In: 14.461+/-0.523 χ^2/NDF : 595.9/16

Left Out: 2.562+/-0.920 χ^2/NDF : 3.4/2

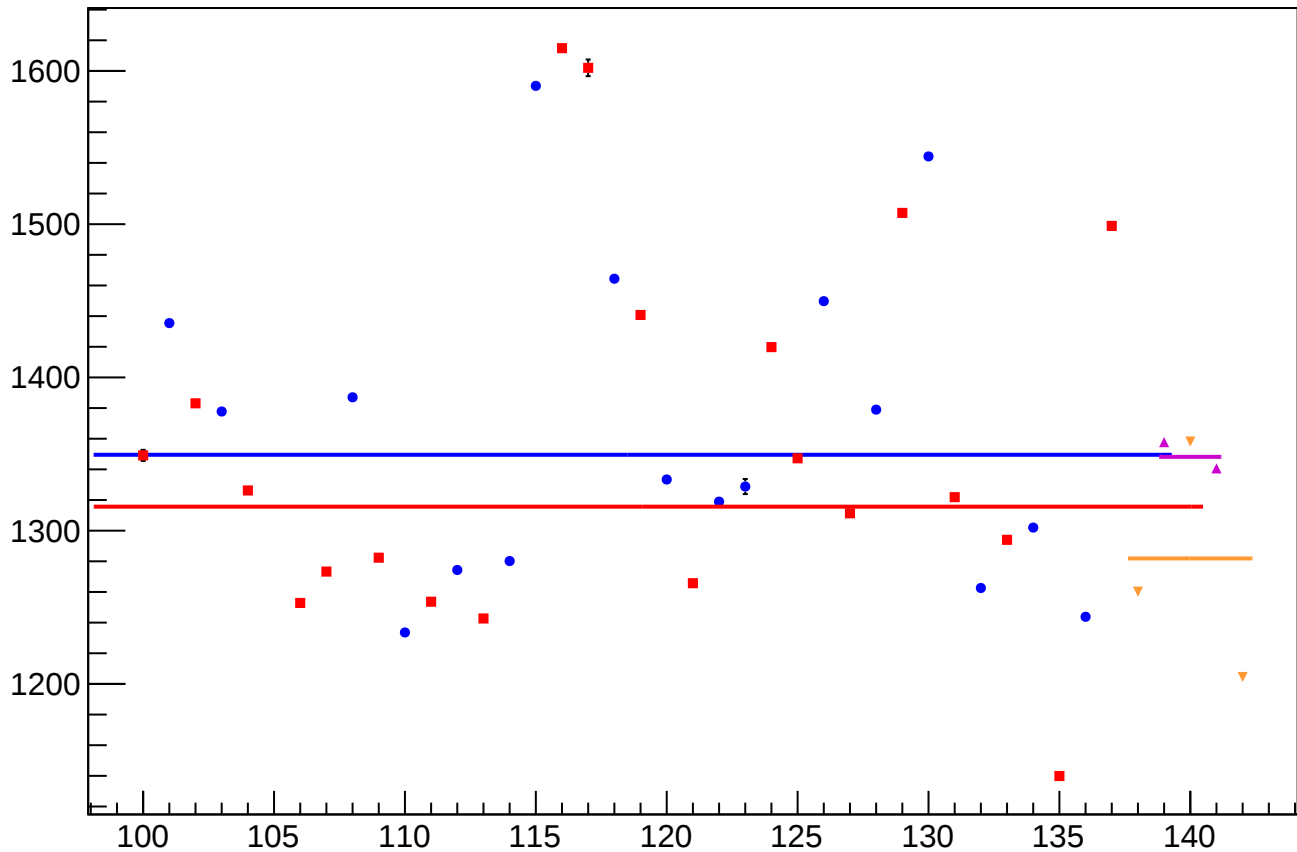
Right Out: -7.161+/-0.493 χ^2/NDF : 496.1/19

Left In: 3.028+/-1.093 χ^2/NDF : 10.4/1

11.551+/-0.455 χ^2/NDF : 725.8/19

-5.435+/-0.450 χ^2/NDF : 578.7/21

diff_bpm0i07Y_rms vs Slug



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

Left Out: 1281.881 ± 0.650 χ^2/NDF : 8988.5/2

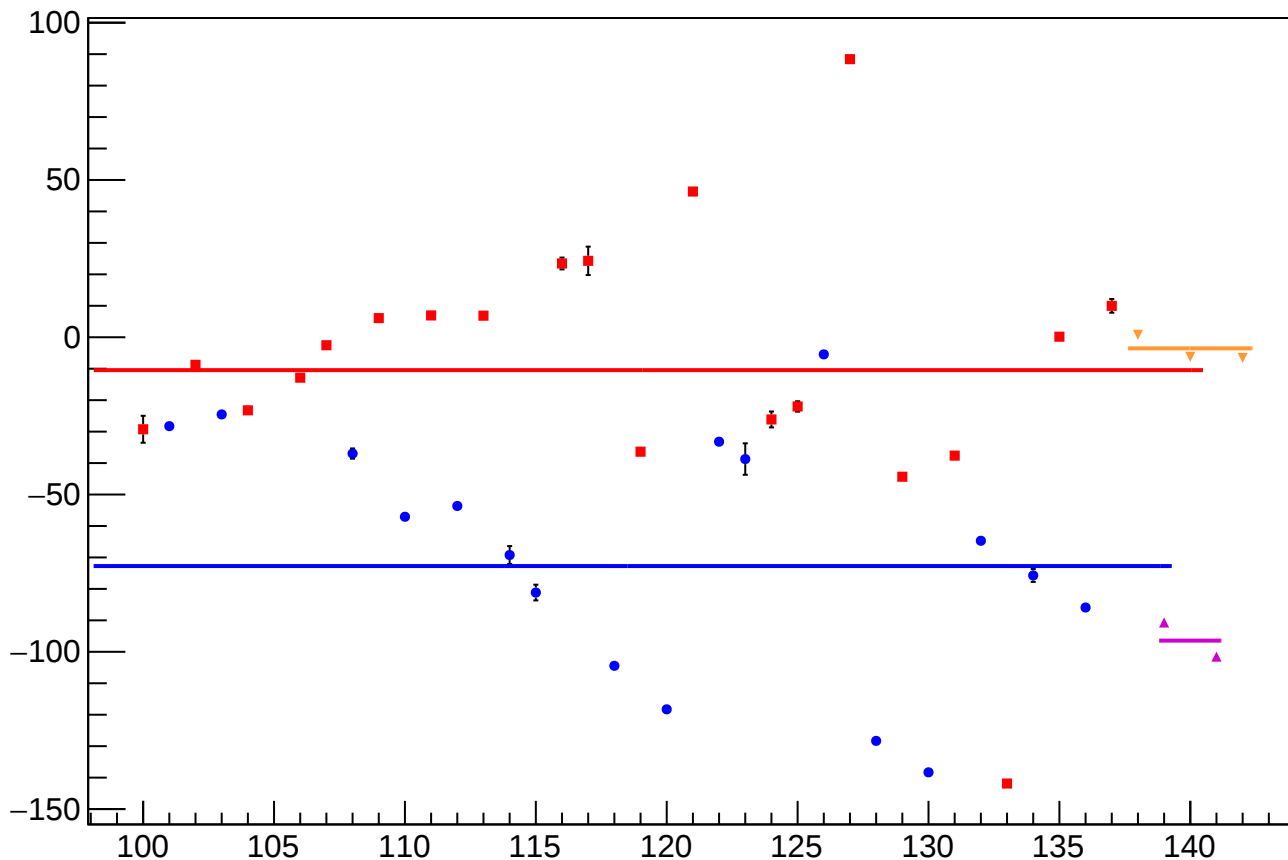
Right Out: 1315.669 ± 0.349 χ^2/NDF : 83739.0/19

Left In: 1348.163 ± 0.773 χ^2/NDF : 120.9/1

1332.981 ± 0.322 χ^2/NDF : 81830.5/19

1321.173 ± 0.318 χ^2/NDF : 85329.5/21

diff_bpm1i02X_mean vs Slug



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

Left Out: -3.529 ± 0.655 $\chi^2/\text{NDF}: 28.2/2$

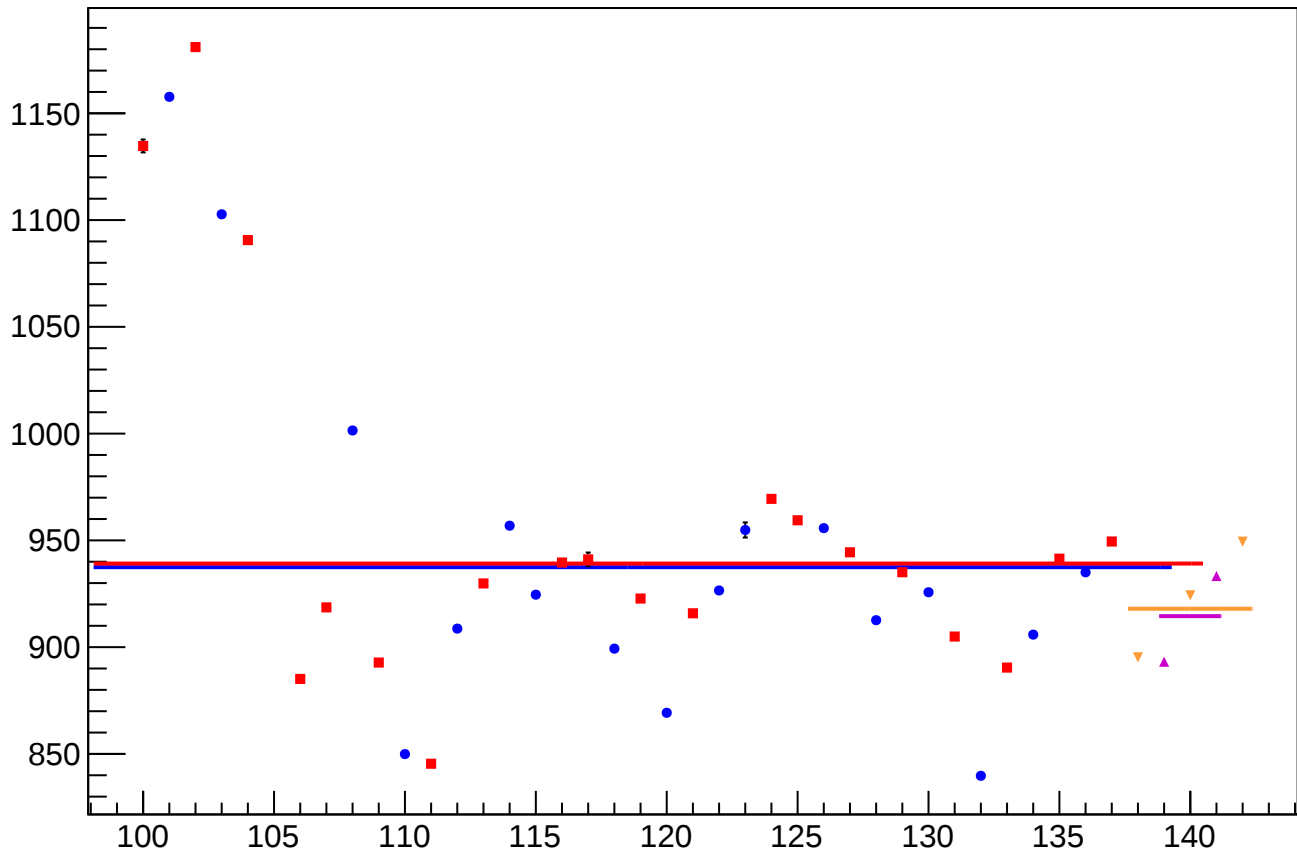
Right Out: -10.459 ± 0.351 $\chi^2/\text{NDF}: 18230.6/19$

Left In: -96.443 ± 0.741 $\chi^2/\text{NDF}: 53.3/1$

-56.542 ± 0.317 $\chi^2/\text{NDF}: 20257.6/19$

-26.246 ± 0.317 $\chi^2/\text{NDF}: 29285.4/21$

diff_bpm1i02X_rms vs Slug



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

Left Out: 917.990 $\pm$ 0.464 χ^2 /NDF:1968.1/2

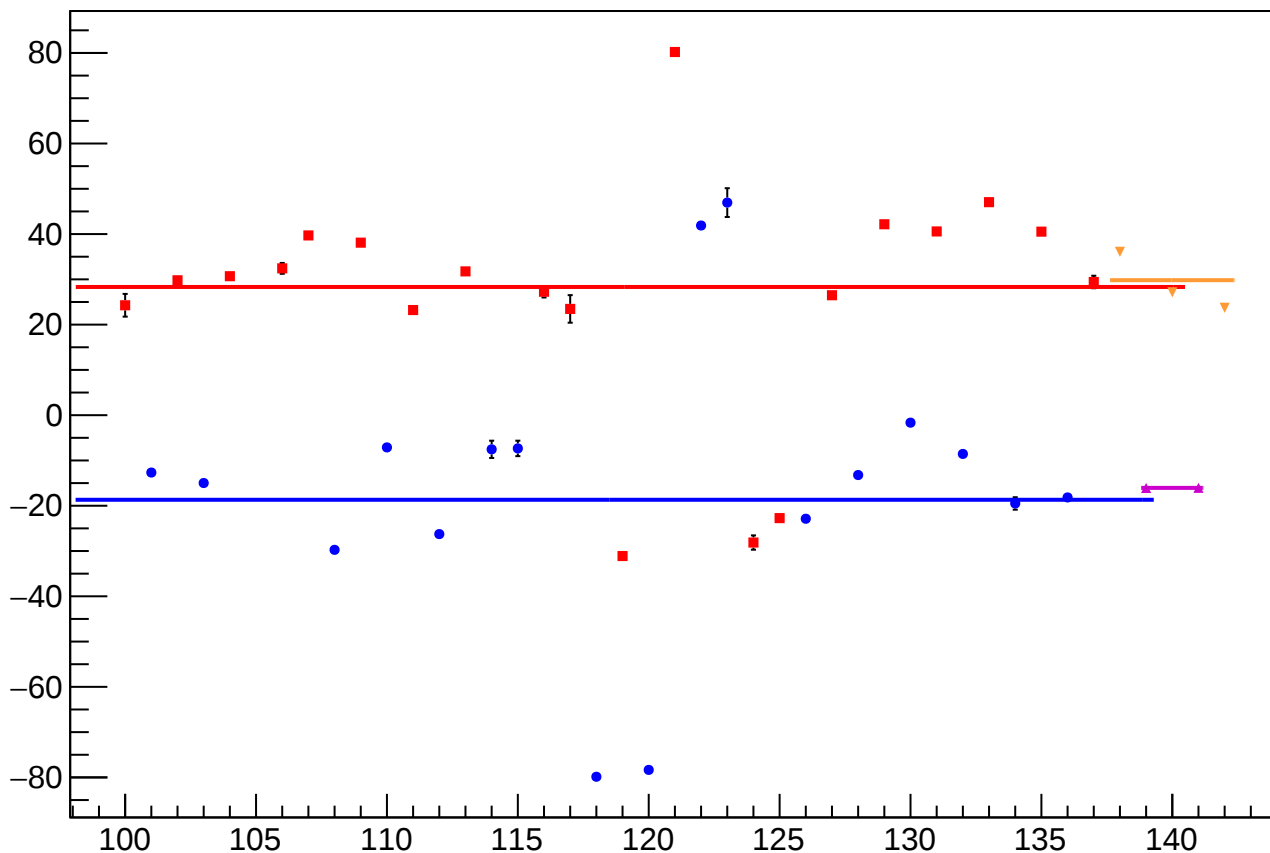
Right Out: 939.152 $\pm$ 0.248 χ^2 /NDF: 90253.6/19

Left In: 914.525 $\pm$ 0.524 χ^2 /NDF:1462.2/1

932.898 $\pm$ 0.224 χ^2 /NDF: 101626.4/19

934.630 $\pm$ 0.224 χ^2 /NDF: 93520.7/21

diff_bpm1i02Y_mean vs Slug



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

Left Out: 29.814 ± 0.456 χ^2/NDF : 124.5/2

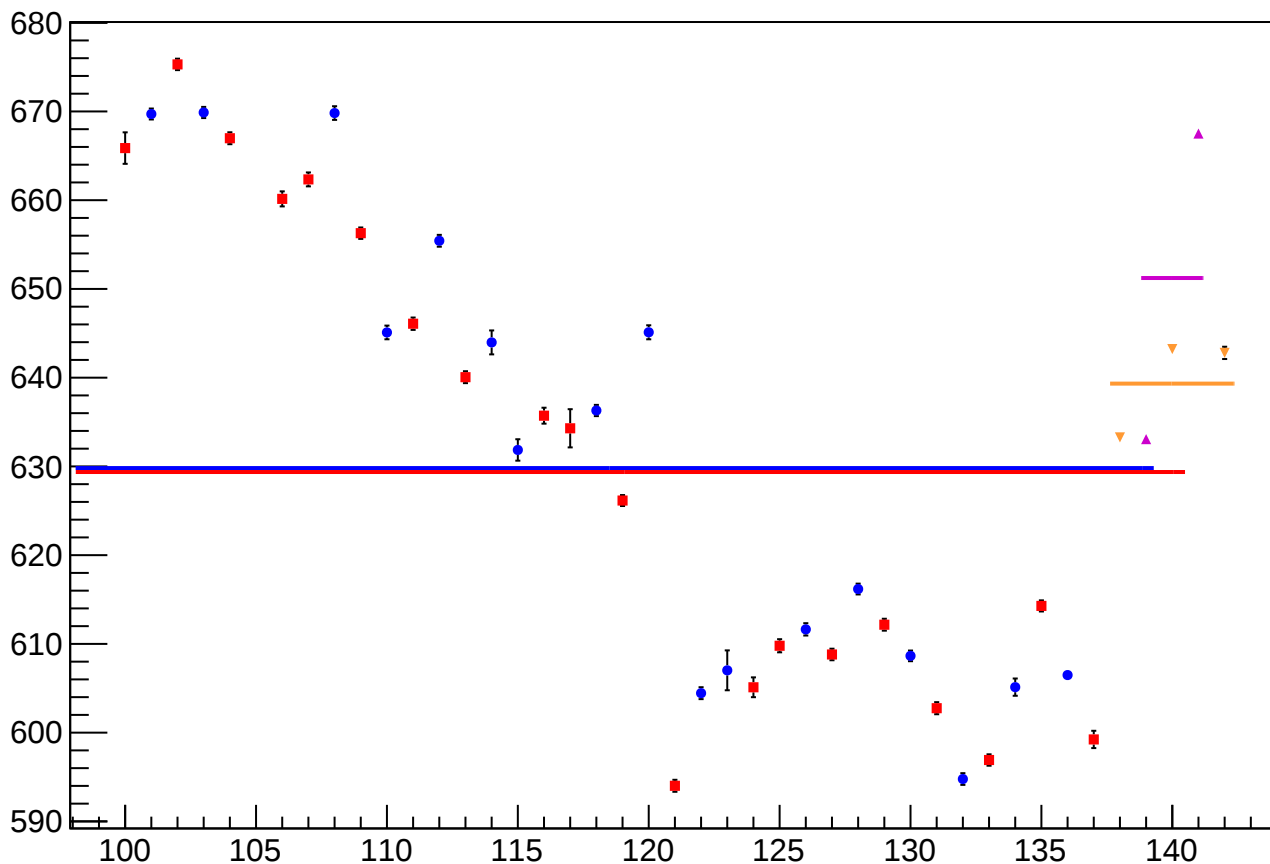
Right Out: 28.318 ± 0.235 χ^2/NDF : 12510.6/19

Left In: -16.055 ± 0.527 χ^2/NDF : 0.0/1

-7.992 ± 0.214 χ^2/NDF : 21935.7/19

20.981 ± 0.214 χ^2/NDF : 18417.7/21

diff_bpm1i02Y_rms vs Slug



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

Left Out: 639.330 $\pm$ 0.323 χ^2 /NDF:218.1/2

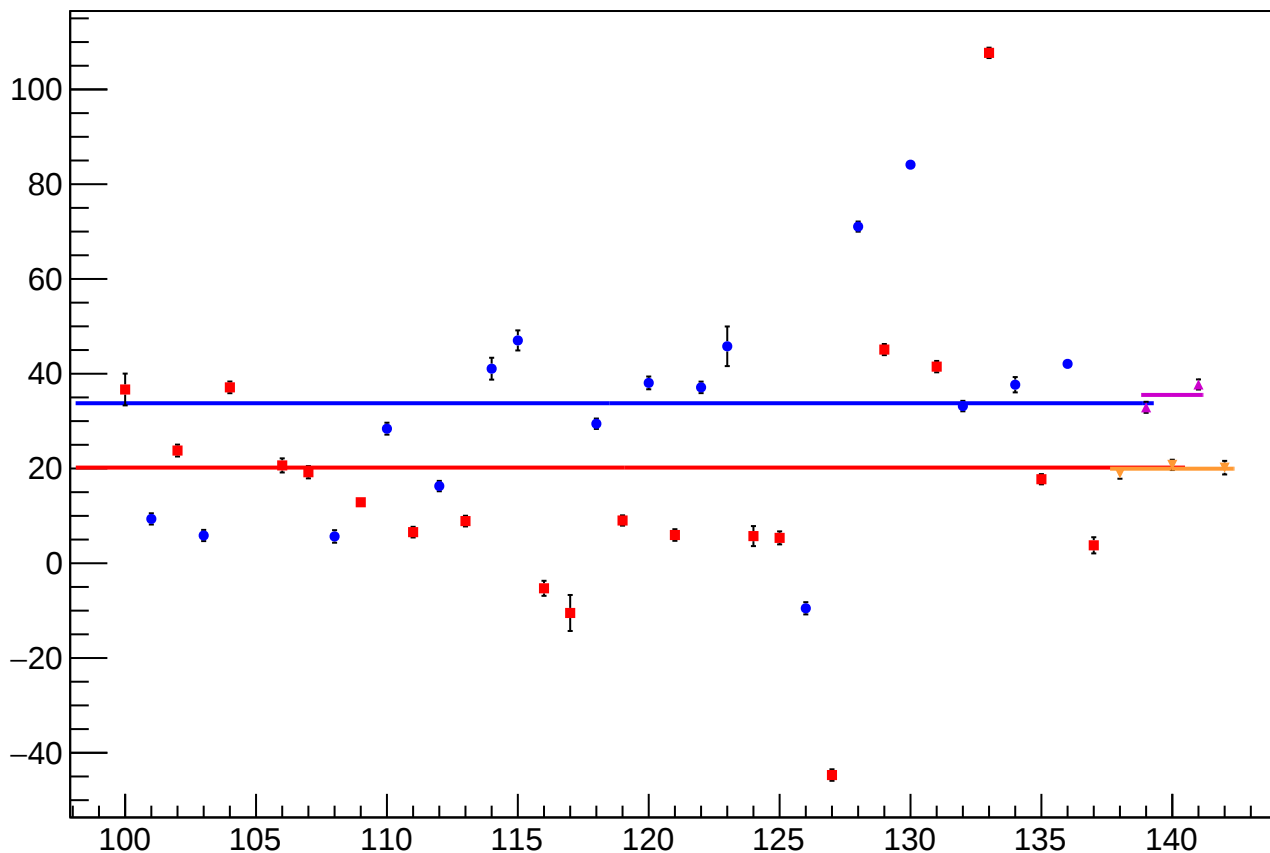
Right Out: 629.370 $\pm$ 0.166 χ^2 /NDF: 25543.7/19

Left In: 651.230 $\pm$ 0.373 χ^2 /NDF:2124.4/1

631.912 $\pm$ 0.151 χ^2 /NDF: 24194.4/19

632.984 $\pm$ 0.152 χ^2 /NDF: 30535.5/21

diff_bpm1i04X_mean vs Slug



Right In: 33.773 ± 0.300 $\chi^2/\text{NDF}: 6487.9/16$

Left Out: 19.959 ± 0.687 $\chi^2/\text{NDF}: 1.3/2$

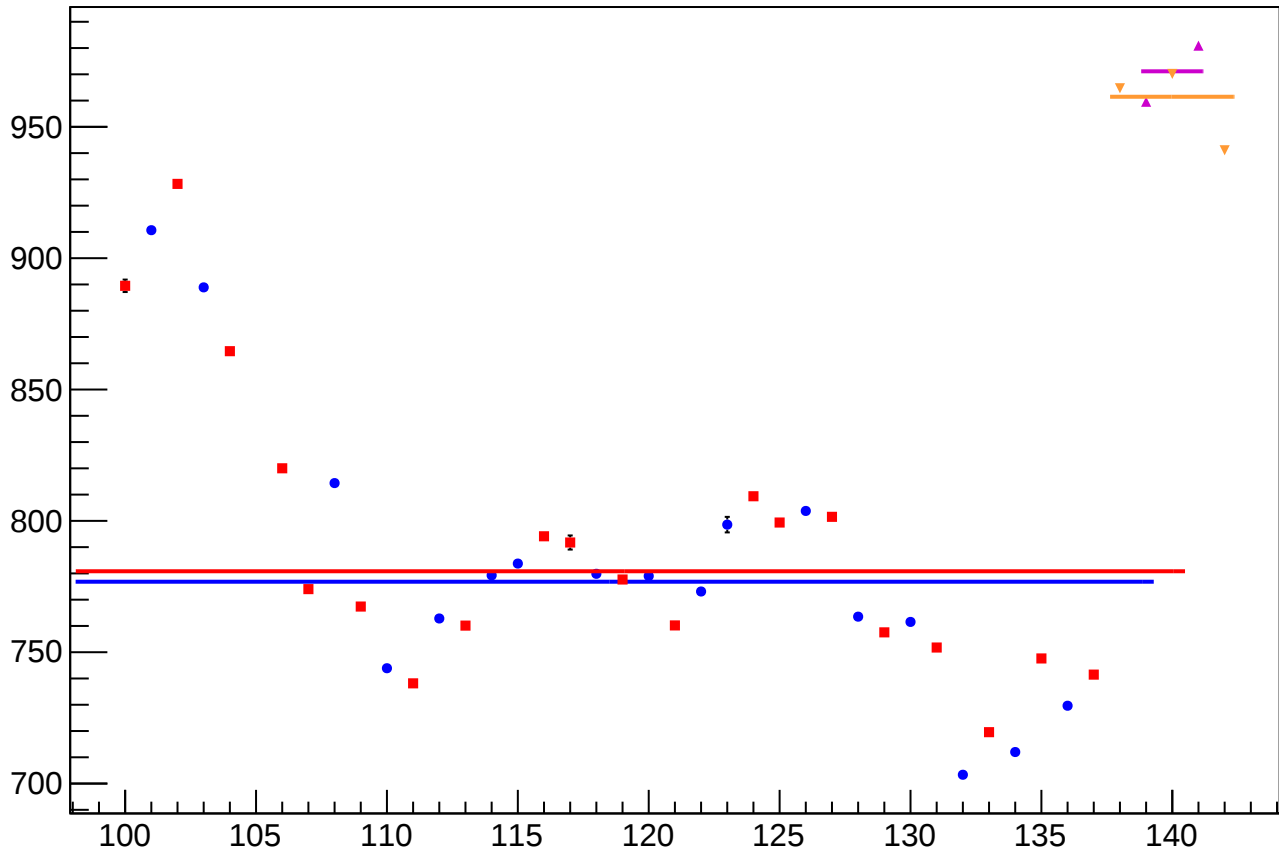
Right Out: 20.193 ± 0.292 $\chi^2/\text{NDF}: 11353.3/19$

Left In: 35.527 ± 0.787 $\chi^2/\text{NDF}: 9.3/1$

31.560 ± 0.275 $\chi^2/\text{NDF}: 6829.1/19$

22.046 ± 0.273 $\chi^2/\text{NDF}: 11696.6/21$

diff_bpm1i04X_rms vs Slug



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

Left Out: 961.458 $\pm$ 0.486 χ^2 /NDF: 547.7/2

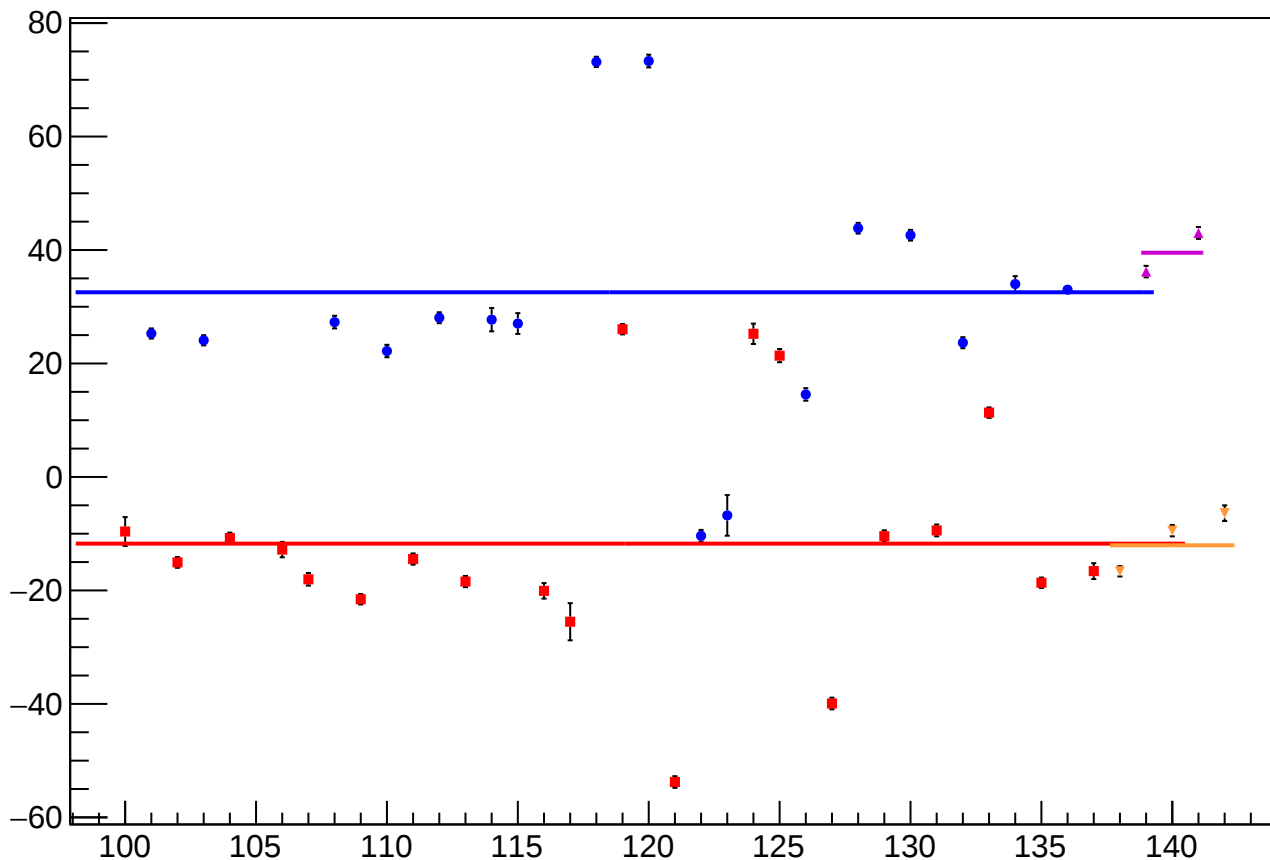
Right Out: 780.820 $\pm$ 0.206 χ^2 /NDF: 57445.6/19

Left In: 971.143 $\pm$ 0.556 χ^2 /NDF: 365.7/1

806.412 $\pm$ 0.194 χ^2 /NDF: 189454.1/19

803.819 $\pm$ 0.193 χ^2 /NDF: 160727.4/21

diff_bpm1i04Y_mean vs Slug



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

Left Out: -12.047 ± 0.605 χ^2/NDF : 48.9/2

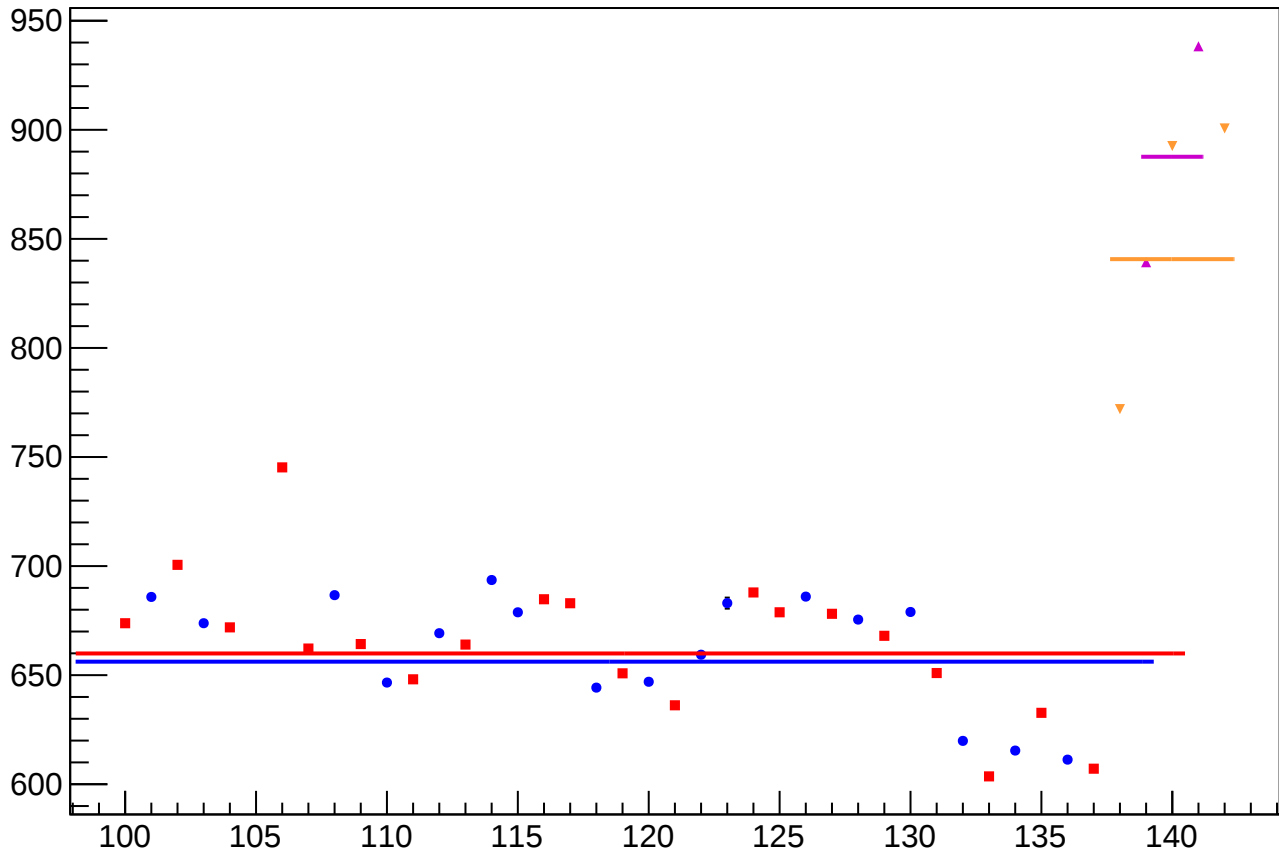
Right Out: -11.752 ± 0.246 χ^2/NDF : 6375.4/19

Left In: 39.519 ± 0.728 χ^2/NDF : 21.8/1

25.920 ± 0.233 χ^2/NDF : 10747.7/19

-6.493 ± 0.233 χ^2/NDF : 10842.6/21

diff_bpm1i04Y_rms vs Slug



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

Left Out: 840.709+/-0.428 χ^2/NDF : 20569.0/2

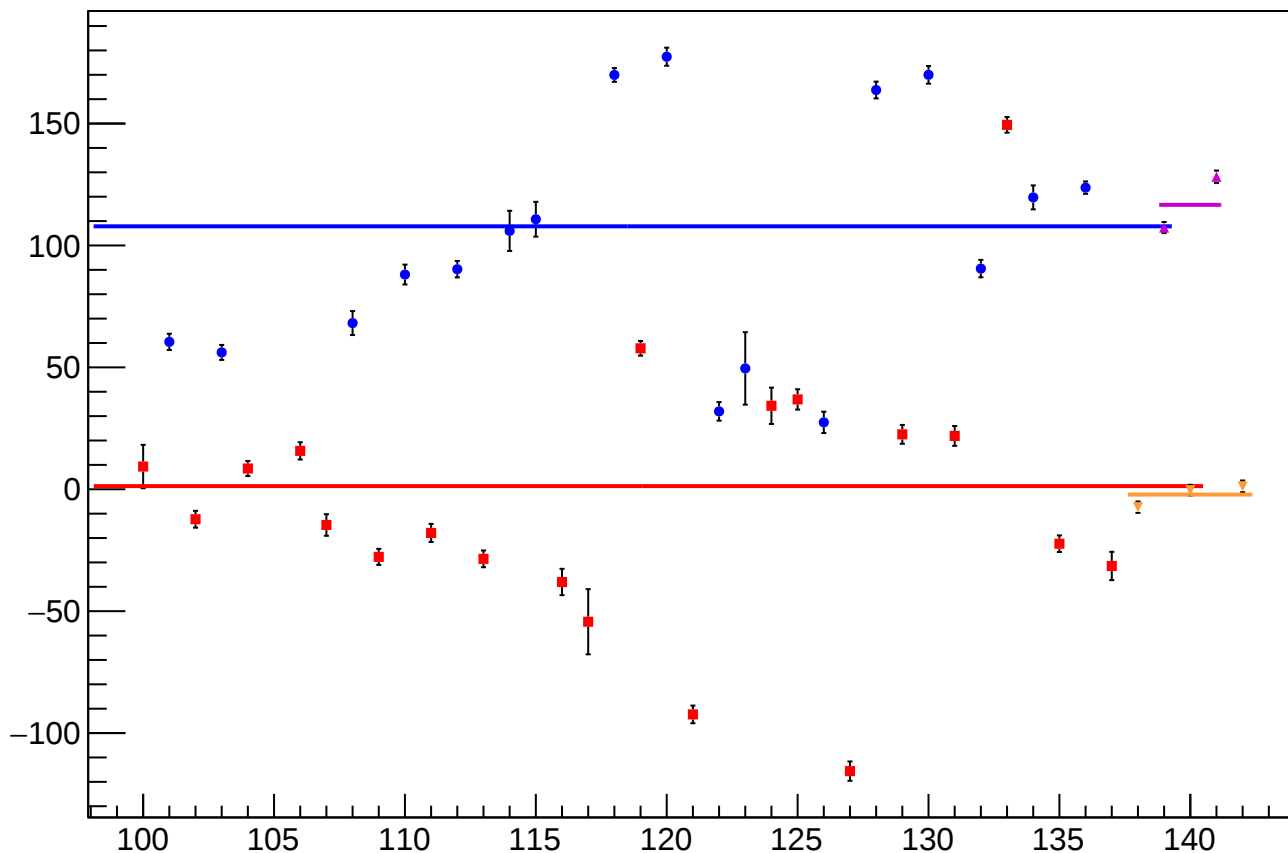
Right Out: 659.944+/-0.174 χ^2/NDF : 28425.0/19

Left In: 887.647+/-0.515 χ^2/NDF : 9228.8/1

683.619+/-0.165 χ^2/NDF : 202514.1/19

683.302+/-0.165 χ^2/NDF : 213014.6/21

diff_bpm1i06X_mean vs Slug



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

Left Out: -2.177 ± 1.336 χ^2/NDF : 7.5/2

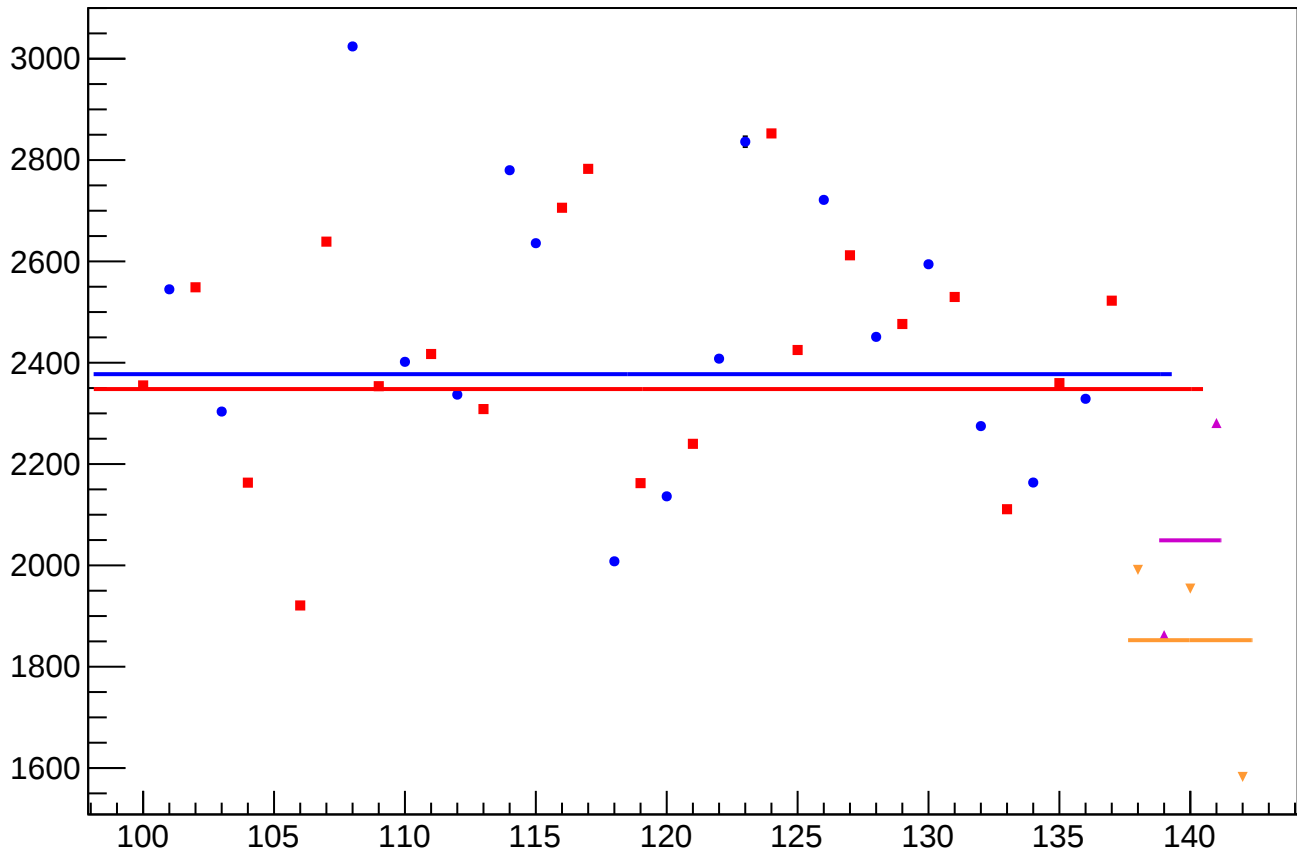
Right Out: 1.299 ± 0.881 χ^2/NDF : 4541.1/19

Left In: 116.656 ± 1.694 χ^2/NDF : 37.5/1

72.373 ± 0.759 χ^2/NDF : 7413.3/19

25.880 ± 0.782 χ^2/NDF : 8228.7/21

diff_bpm1i06X_rms vs Slug



Right In: 2377.423 ± 0.652 χ^2/NDF : 119648.6/16

Left Out: 1852.368 ± 0.945 χ^2/NDF : 36352.7/2

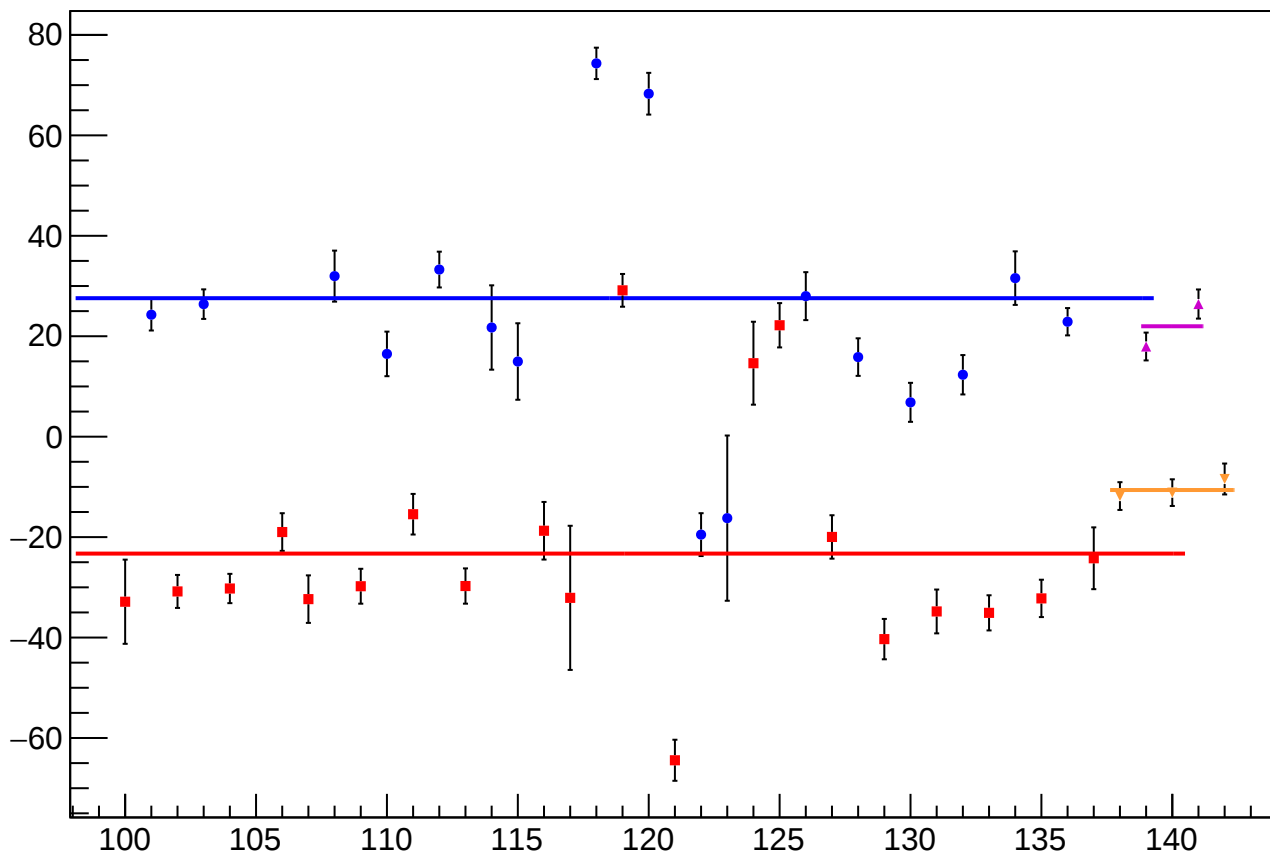
Right Out: 2348.017 ± 0.623 χ^2/NDF : 110379.6/19

Left In: 2049.443 ± 1.198 χ^2/NDF : 30203.0/1

2208.119 ± 0.536 χ^2/NDF : 365353.1/19

2284.396 ± 0.553 χ^2/NDF : 189487.5/21

diff_bpm1i06Y_mean vs Slug



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

Left Out: -10.621 ± 1.626 χ^2/NDF : 0.7/2

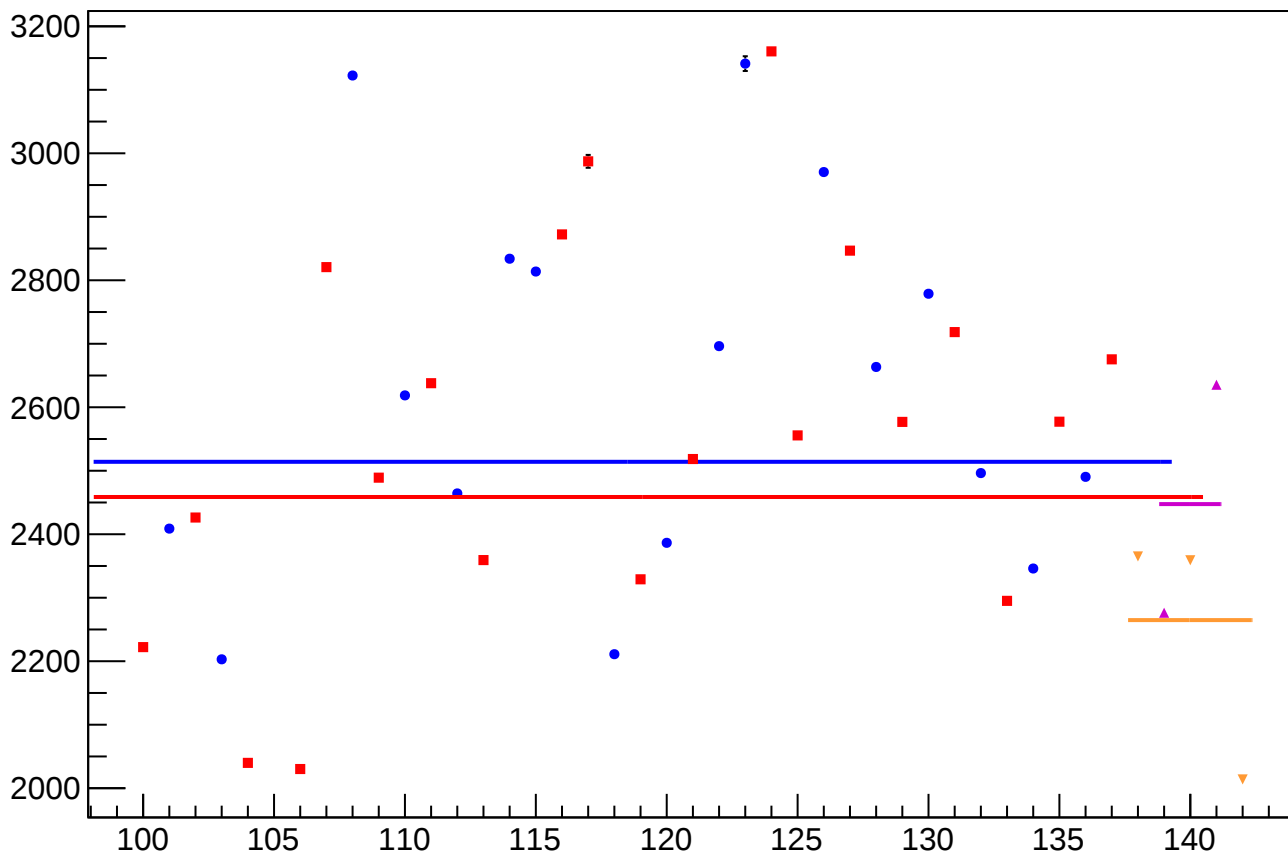
Right Out: -23.280 ± 0.925 χ^2/NDF : 558.2/19

Left In: 21.985 ± 2.004 χ^2/NDF : 4.4/1

17.482 ± 0.836 χ^2/NDF : 926.1/19

-15.328 ± 0.840 χ^2/NDF : 983.3/21

diff_bpm1i06Y_rms vs Slug



Right In: 2514.088+/-0.689 χ^2/NDF : 120961.3/16

Left Out: 2264.767+/-1.150 χ^2/NDF :18433.5/2

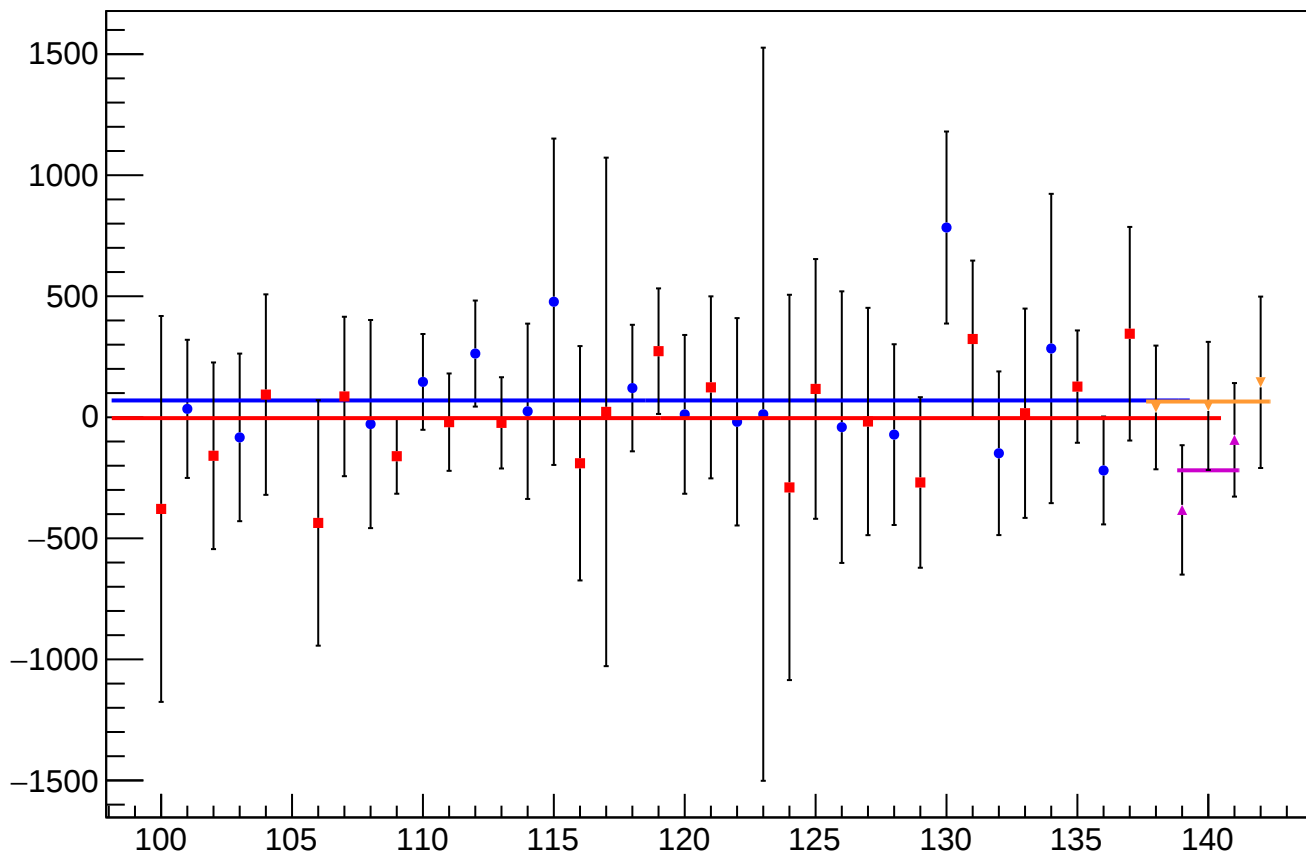
2448.198+/-0.591 χ^2/NDF : 173973.6/19

Right Out: 2458.665+/-0.654 χ^2/NDF : 152458.1/19

2456.701+/-0.594 χ^2/NDF : 168533.5/21

Left In: 2447.483+/-1.417 χ^2/NDF :16024.0/1

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 69.587+/-79.023 χ^2/NDF : 7.3/16

Left Out: 65.109+/-163.151 χ^2/NDF : 0.1/2

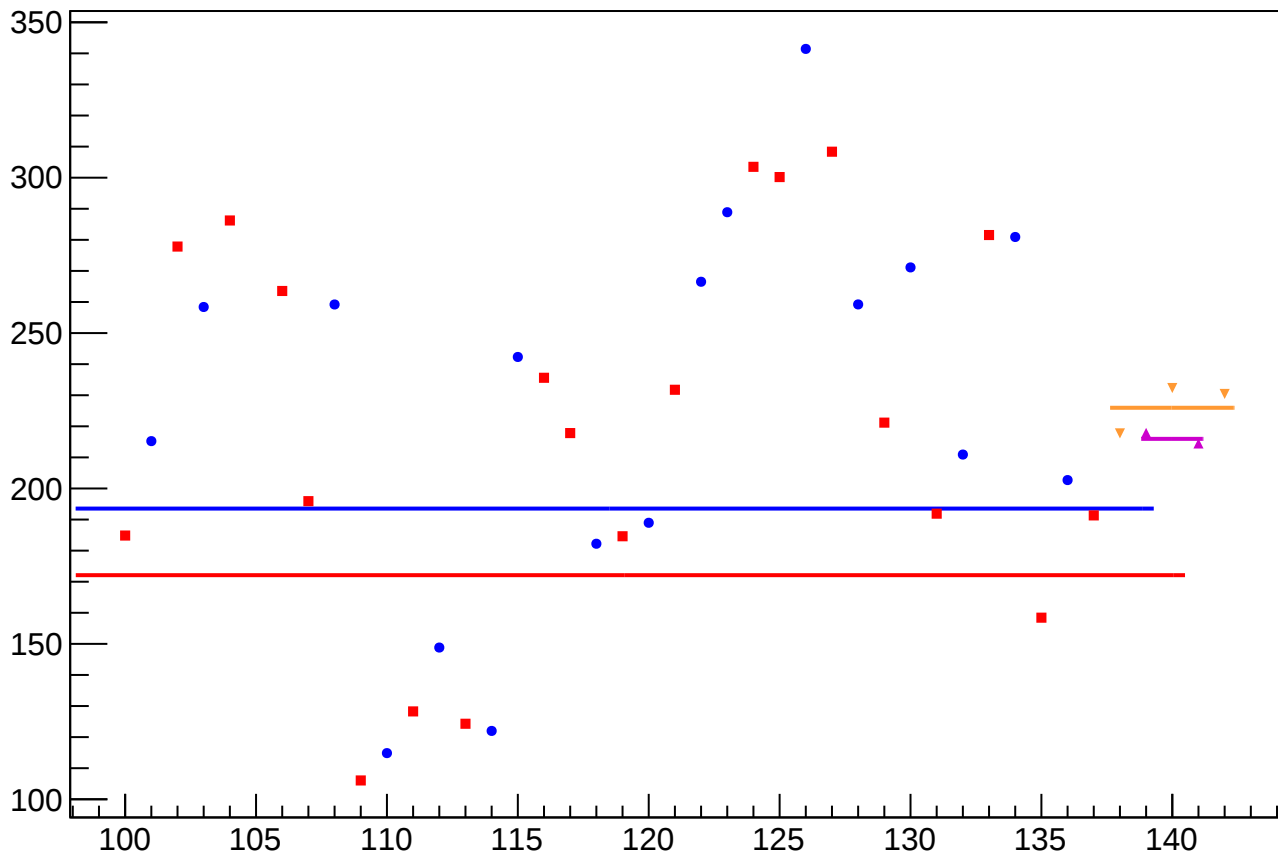
Right Out: -3.448+/-69.825 χ^2/NDF : 6.4/19

Left In: -219.009+/-176.281 χ^2/NDF : 0.7/1

68.736+/-71.120 χ^2/NDF : 7.4/19

-32.681+/-64.918 χ^2/NDF : 8.4/21

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.533+/-0.056 χ^2/NDF : 1010428.2/16

Left Out: 225.968+/-0.115 χ^2/NDF : 3549.1/2

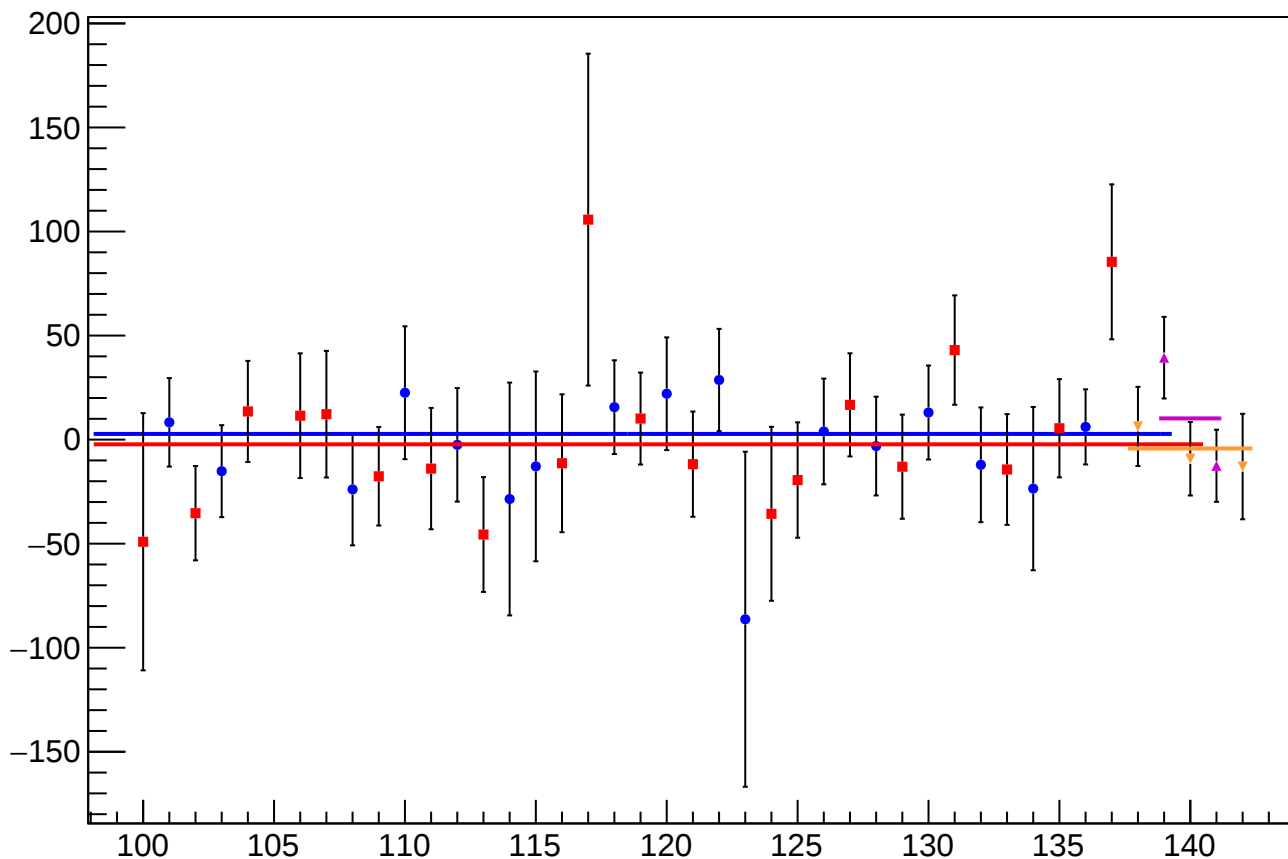
Right Out: 172.104+/-0.049 χ^2/NDF : 1580690.9/19

Left In: 215.964+/-0.125 χ^2/NDF : 182.7/1

199.696+/-0.050 χ^2/NDF : 1078003.1/19

178.052+/-0.046 χ^2/NDF : 1687896.3/21

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



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

Left Out: -4.254+/-11.530 χ^2/NDF : 0.5/2

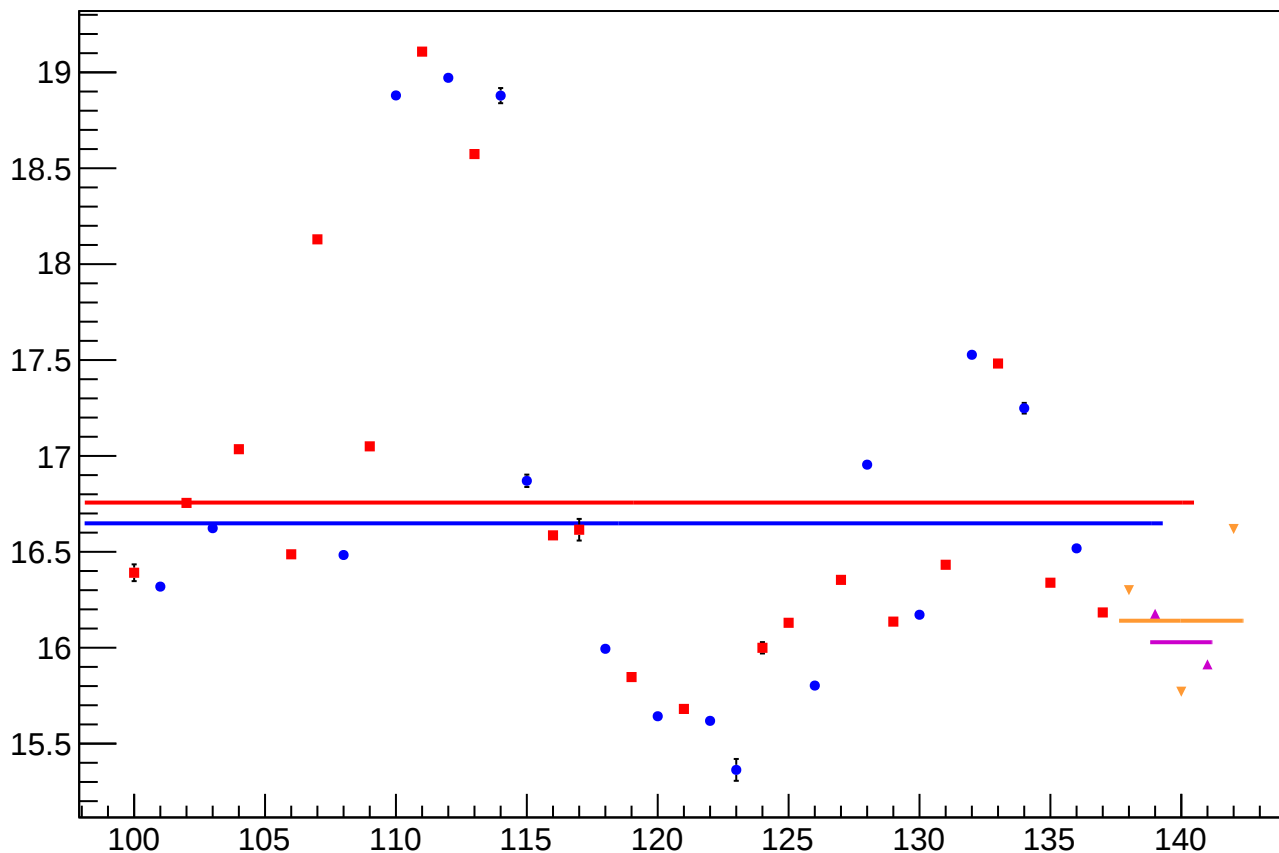
Right Out: -2.259+/-6.259 χ^2/NDF : 19.6/19

Left In: 10.193+/-12.986 χ^2/NDF : 3.9/1

1.078+/-5.612 χ^2/NDF : 7.6/19

0.089+/-5.638 χ^2/NDF : 24.3/21

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.649 $\pm$ 0.005 χ^2/NDF : 42566.9/16

Left Out: 16.141 $\pm$ 0.008 χ^2/NDF : 1729.5/2

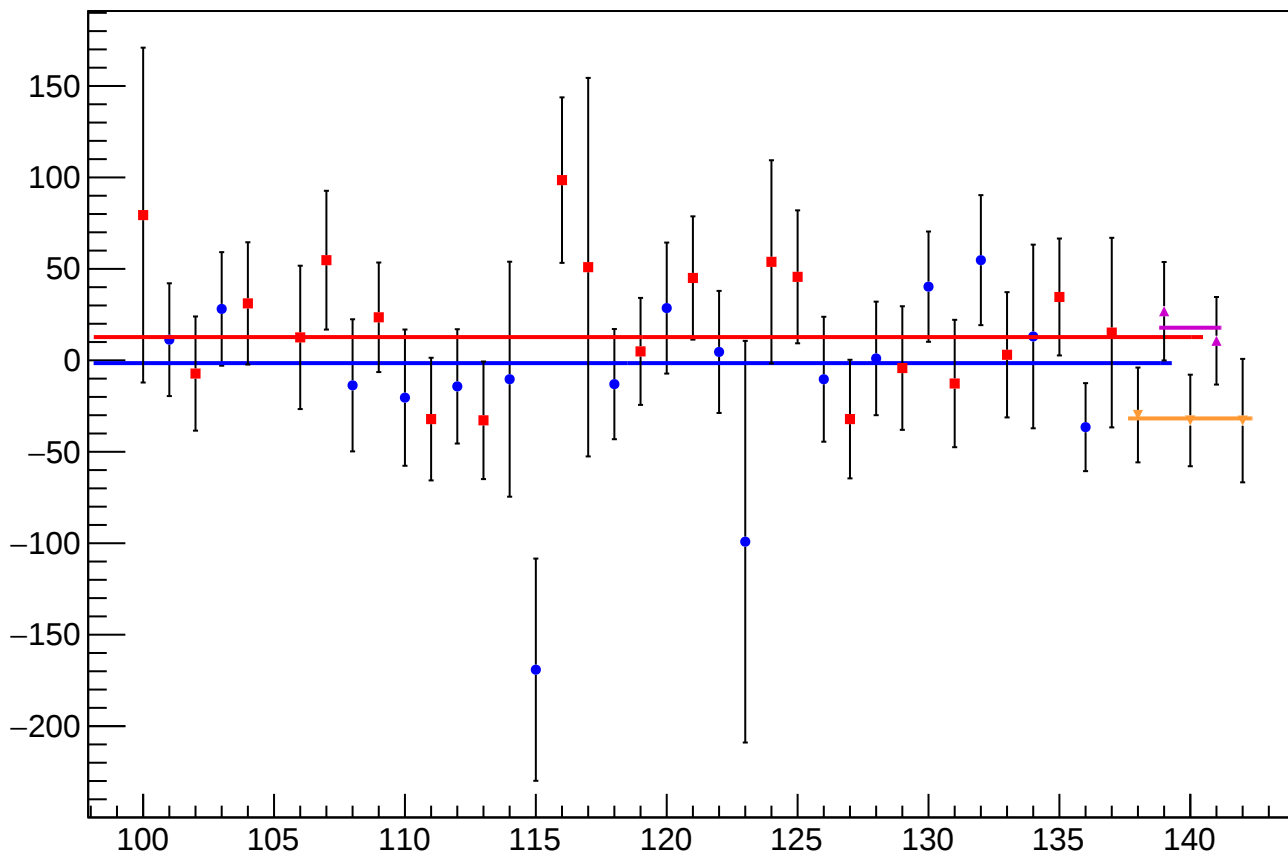
Right Out: 16.757 $\pm$ 0.004 χ^2/NDF : 39957.1/19

Left In: 16.029 $\pm$ 0.009 χ^2/NDF : 202.4/1

16.528 $\pm$ 0.004 χ^2/NDF : 47256.4/19

16.620 $\pm$ 0.004 χ^2/NDF : 45261.9/21

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.523 ± 8.485 χ^2/NDF : 17.6/16

Left Out: -31.760 ± 15.885 χ^2/NDF : 0.0/2

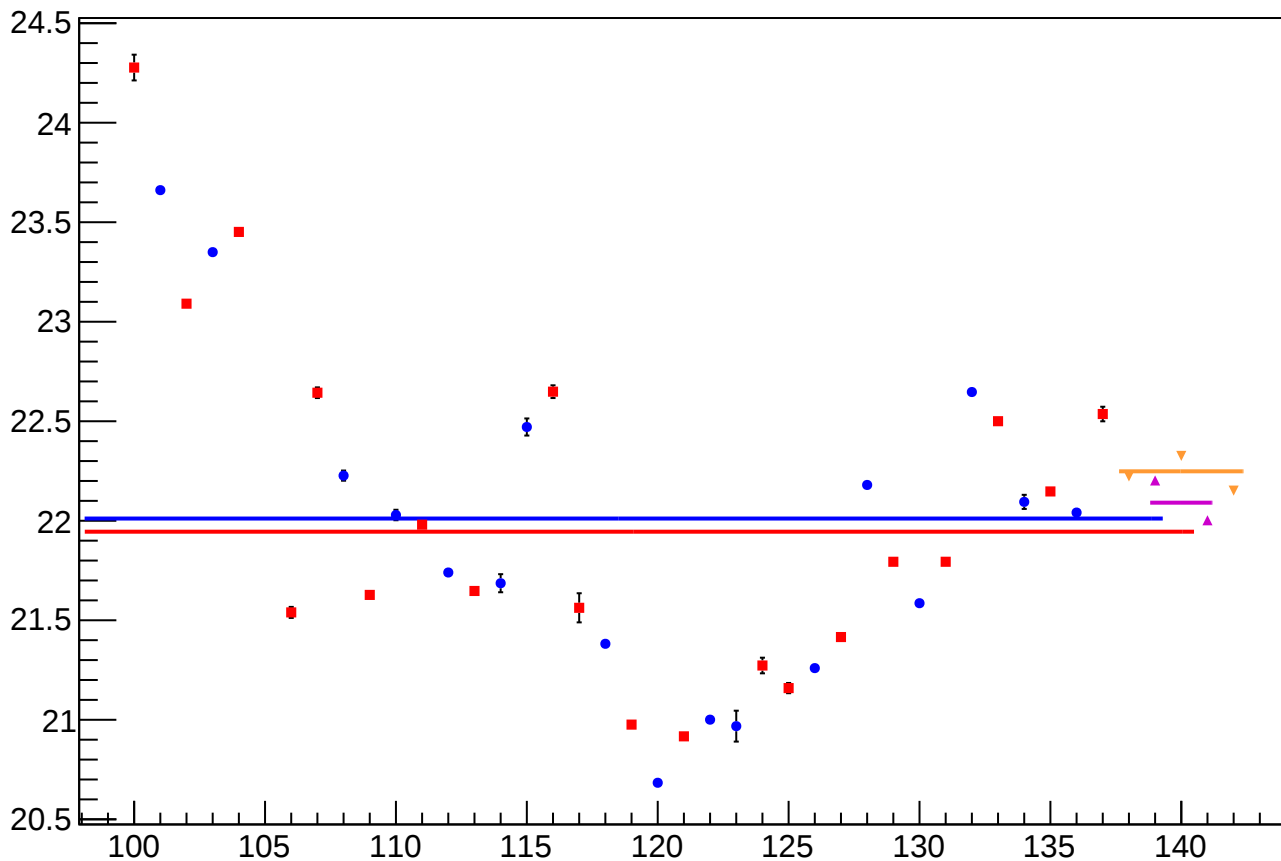
Right Out: 12.716 ± 8.185 χ^2/NDF : 15.7/19

Left In: 17.832 ± 17.889 χ^2/NDF : 0.2/1

-8.235 ± 7.484 χ^2/NDF : 20.5/19

13.602 ± 7.443 χ^2/NDF : 16.0/21

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



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

Left Out: 22.248+/-0.011 χ^2 /NDF:37.7/2

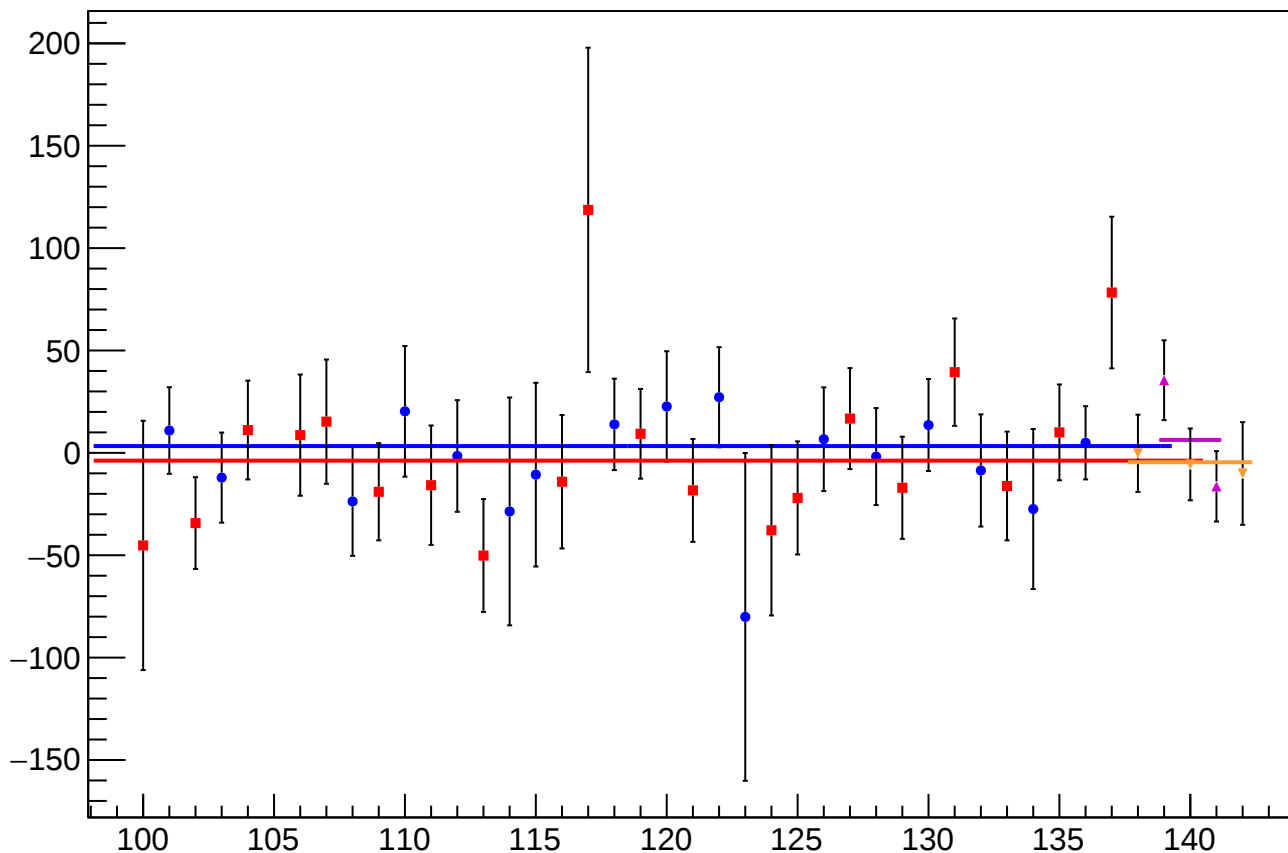
Right Out: 21.945+/-0.006 χ^2 /NDF: 16620.2/19

Left In: 22.091+/-0.013 χ^2 /NDF:61.7/1

22.064+/-0.005 χ^2 /NDF: 17931.7/19

21.970+/-0.005 χ^2 /NDF: 16791.8/21

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.317+/-6.388 χ^2/NDF : 6.3/16

Left Out: -4.568+/-11.433 χ^2/NDF : 0.1/2

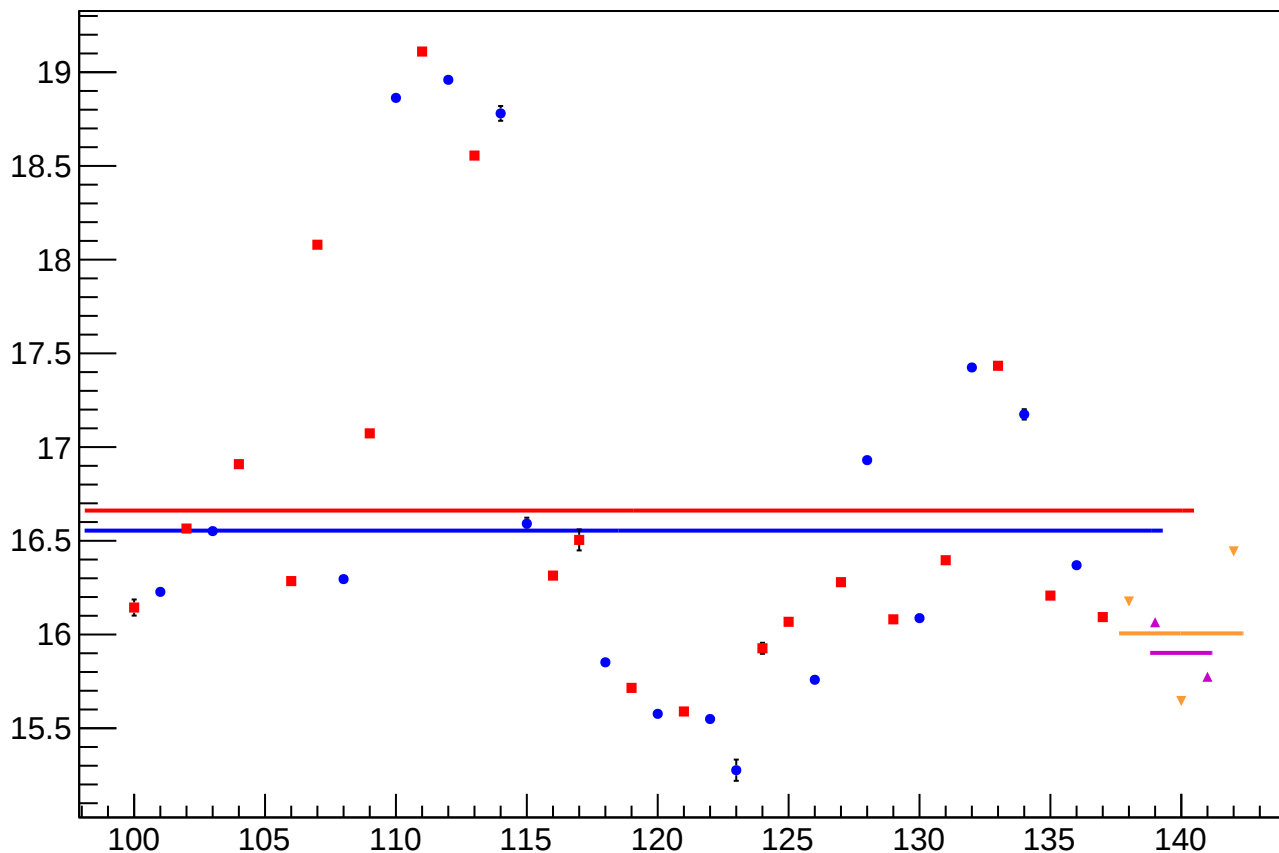
Right Out: -3.800+/-6.224 χ^2/NDF : 20.1/19

Left In: 6.319+/-12.884 χ^2/NDF : 4.0/1

1.441+/-5.577 χ^2/NDF : 6.7/19

-1.885+/-5.604 χ^2/NDF : 24.6/21

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.554+/-0.005 χ^2/NDF : 44475.2/16

Left Out: 16.006+/-0.008 χ^2/NDF : 1617.4/2

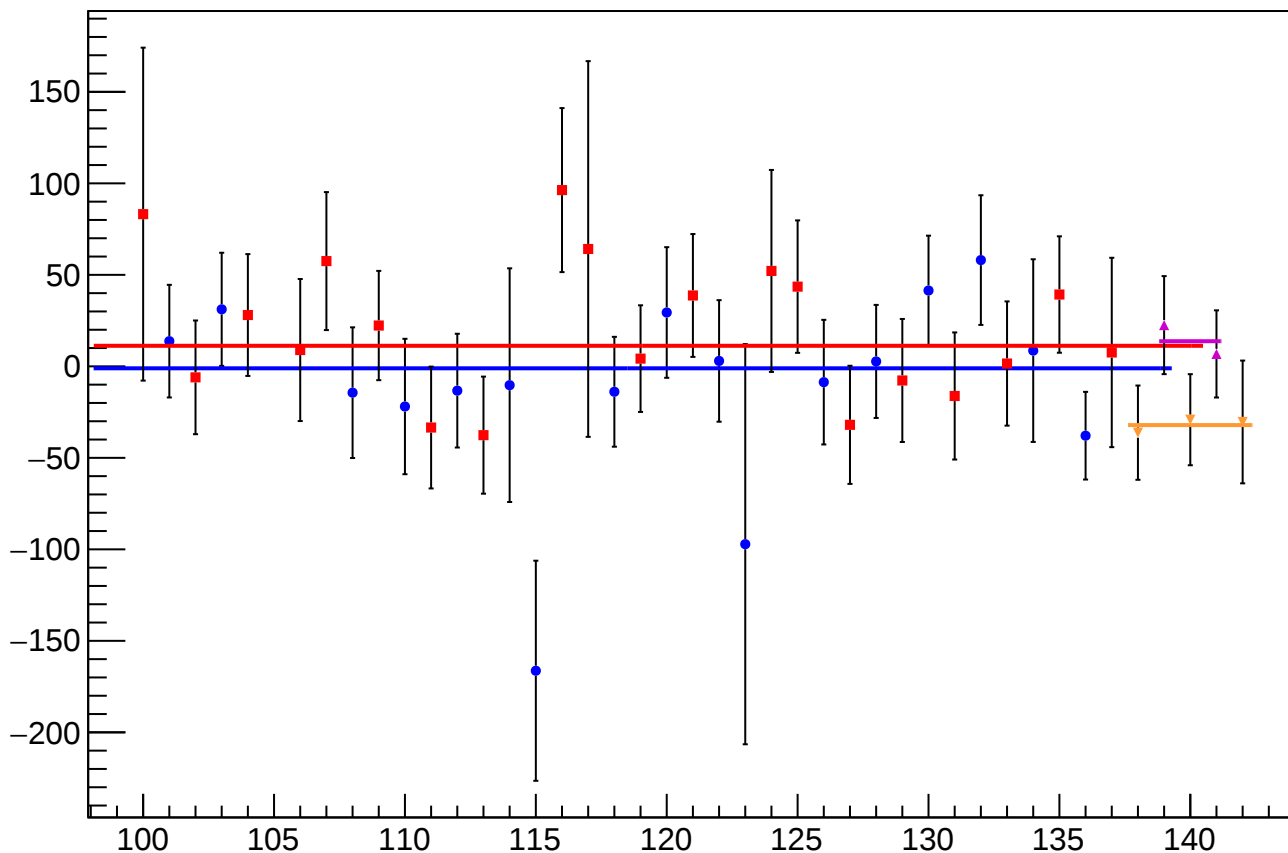
Right Out: 16.661+/-0.004 χ^2/NDF : 43071.4/19

Left In: 15.902+/-0.009 χ^2/NDF : 250.8/1

16.424+/-0.004 χ^2/NDF : 49597.2/19

16.518+/-0.004 χ^2/NDF : 48954.8/21

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.068 ± 8.444 χ^2/NDF : 18.5/16

Left Out: -32.093 ± 15.790 χ^2/NDF : 0.0/2

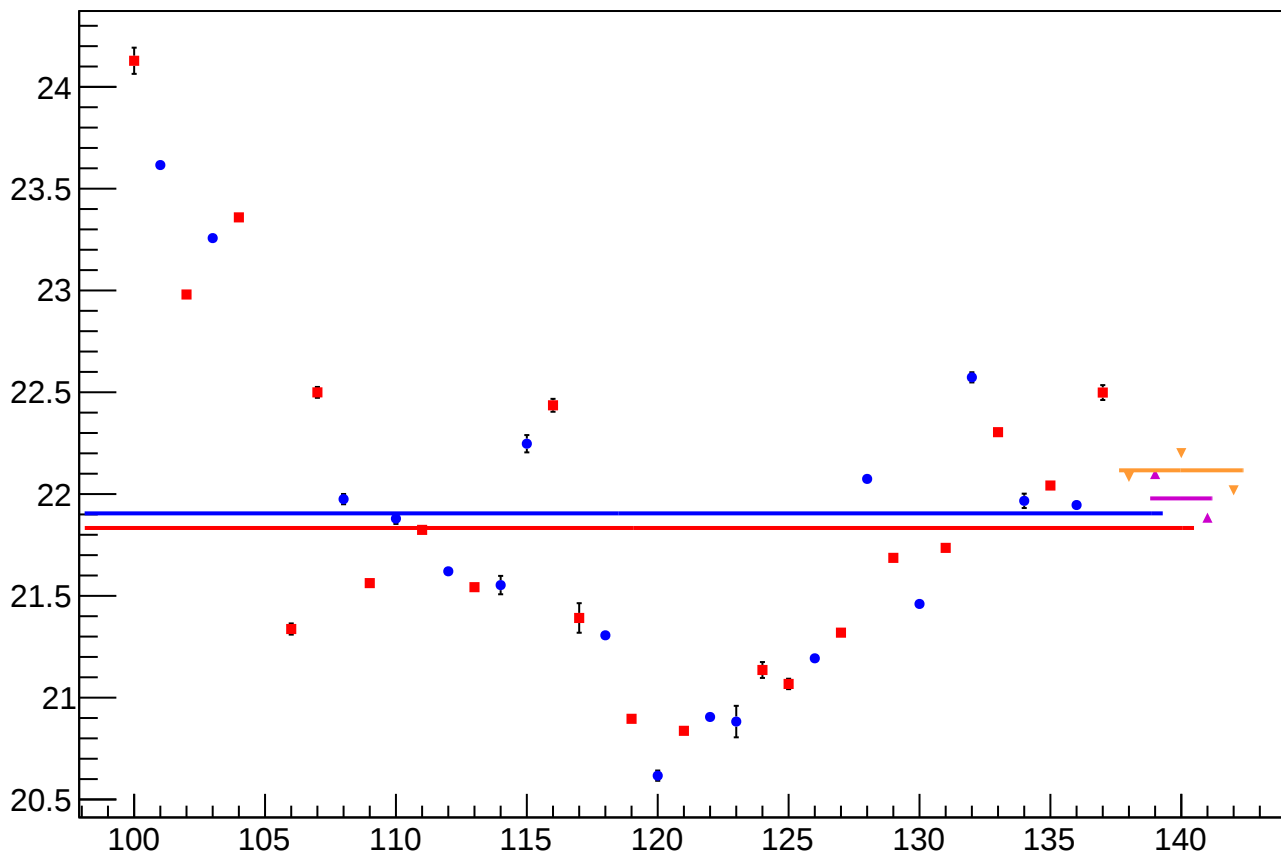
Right Out: 11.235 ± 8.143 χ^2/NDF : 16.5/19

Left In: 13.740 ± 17.798 χ^2/NDF : 0.2/1

-7.968 ± 7.446 χ^2/NDF : 21.5/19

11.669 ± 7.405 χ^2/NDF : 16.7/21

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.905+/-0.006 χ^2/NDF : 17794.2/16

Left Out: 22.117+/-0.011 χ^2/NDF : 43.4/2

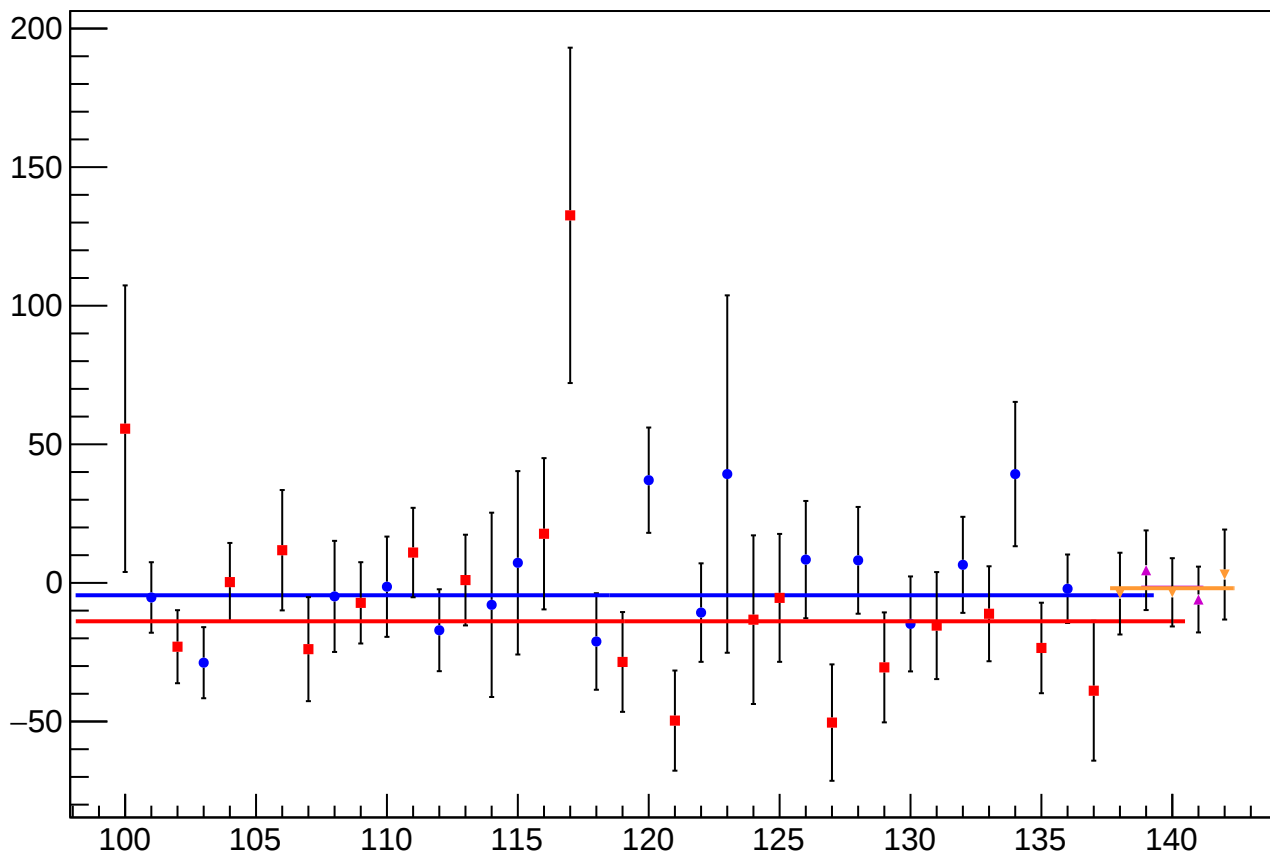
Right Out: 21.833+/-0.006 χ^2/NDF : 16288.5/19

Left In: 21.979+/-0.013 χ^2/NDF : 71.5/1

21.952+/-0.005 χ^2/NDF : 18116.3/19

21.859+/-0.005 χ^2/NDF : 16470.2/21

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.461 ± 4.329 χ^2/NDF : 15.2/16

Left Out: -1.920 ± 8.169 χ^2/NDF : 0.1/2

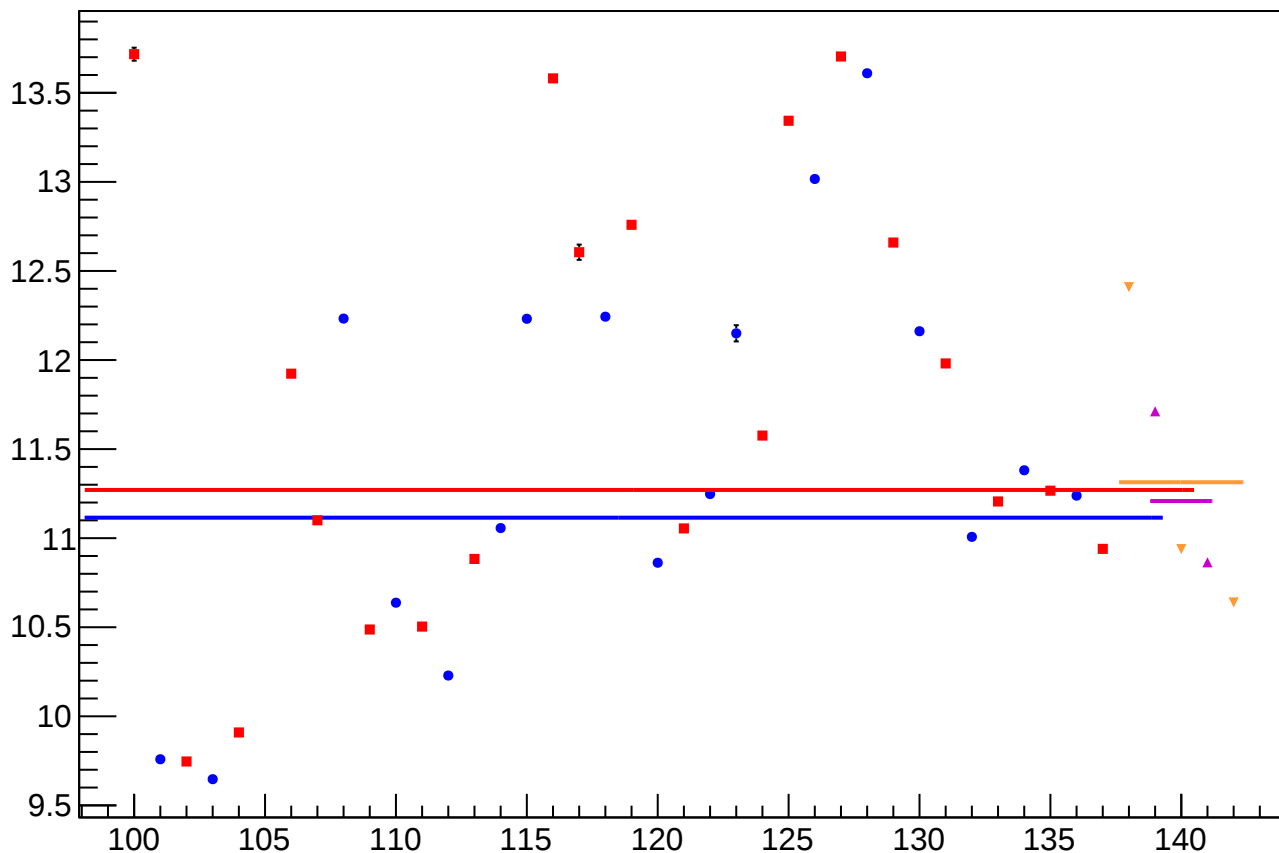
Right Out: -13.851 ± 4.253 χ^2/NDF : 25.4/19

Left In: -1.713 ± 9.151 χ^2/NDF : 0.3/1

-3.904 ± 3.825 χ^2/NDF : 15.4/19

-11.695 ± 3.857 χ^2/NDF : 27.2/21

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.115 $\pm$ 0.003 χ^2 /NDF: 133059.3/16

Left Out: 11.314 $\pm$ 0.006 χ^2 /NDF:16340.2/2

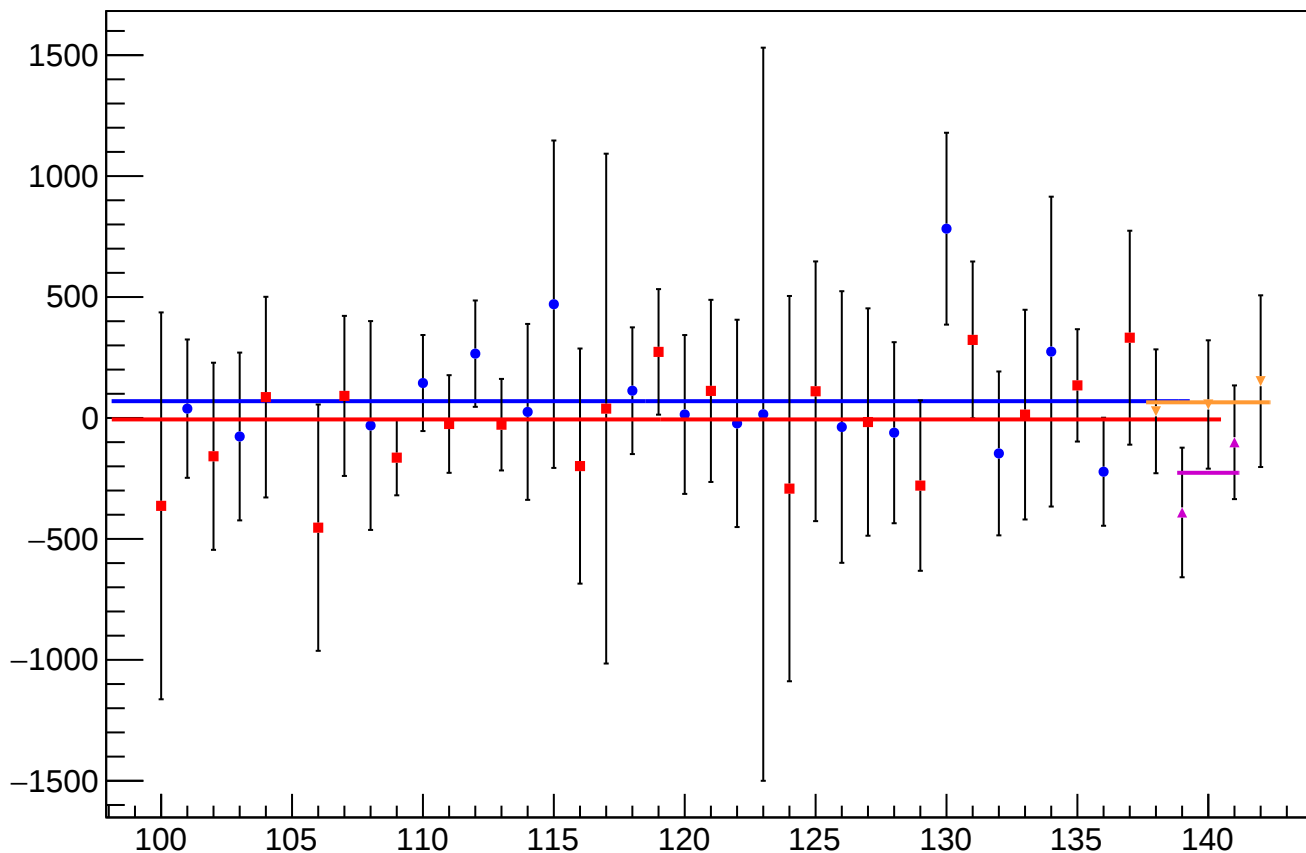
Right Out: 11.271 $\pm$ 0.003 χ^2 /NDF: 148461.6/19

Left In: 11.208 $\pm$ 0.006 χ^2 /NDF:4137.2/1

11.159 $\pm$ 0.003 χ^2 /NDF: 150325.2/19

11.260 $\pm$ 0.003 χ^2 /NDF: 152674.9/21

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 69.470+/-79.231 χ^2/NDF : 7.3/16

Left Out: 64.746+/-163.539 χ^2/NDF : 0.1/2

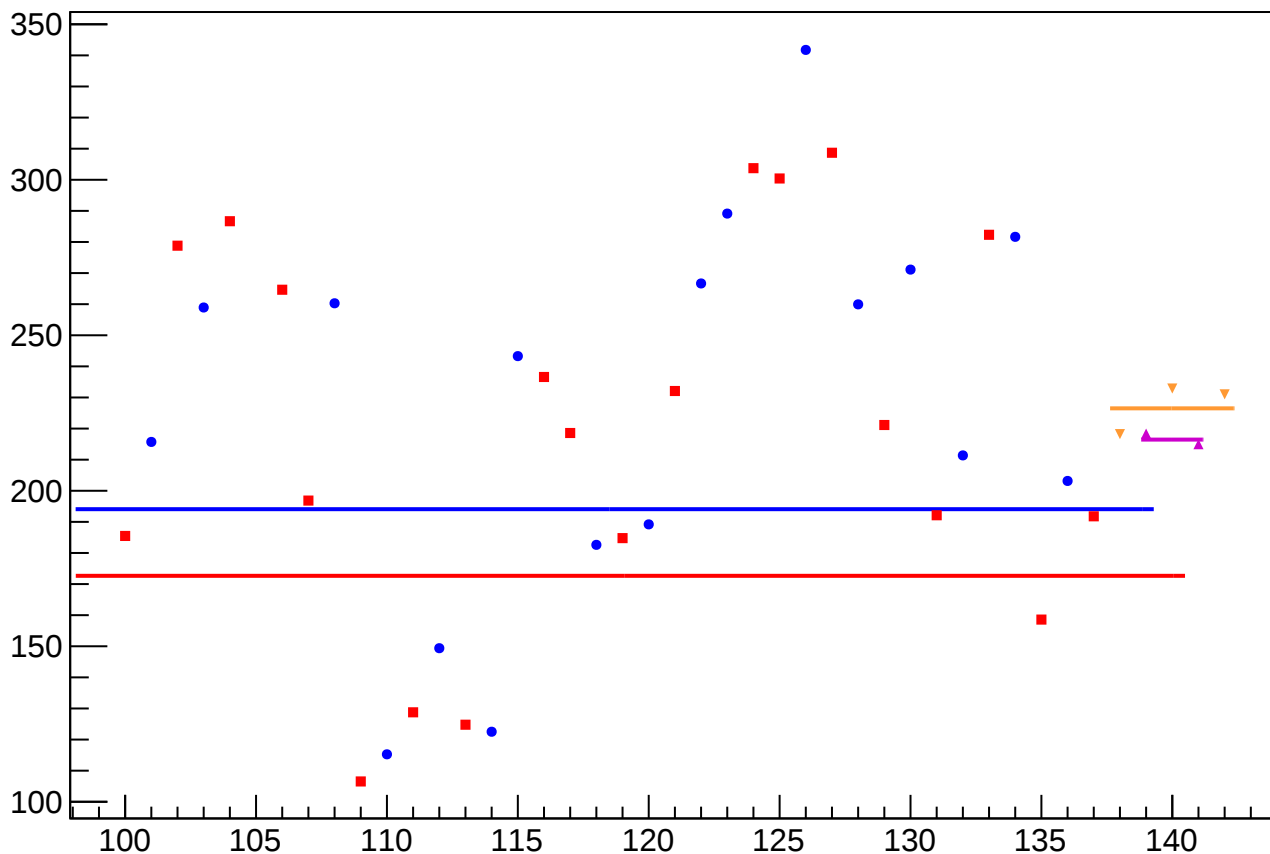
Right Out: -5.996+/-70.027 χ^2/NDF : 6.5/19

Left In: -226.665+/-176.683 χ^2/NDF : 0.7/1

68.572+/-71.304 χ^2/NDF : 7.3/19

-35.954+/-65.101 χ^2/NDF : 8.5/21

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.082 $\pm$ 0.056 χ^2 /NDF: 1005395.7/16

Left Out: 226.504 $\pm$ 0.116 χ^2 /NDF:3571.0/2

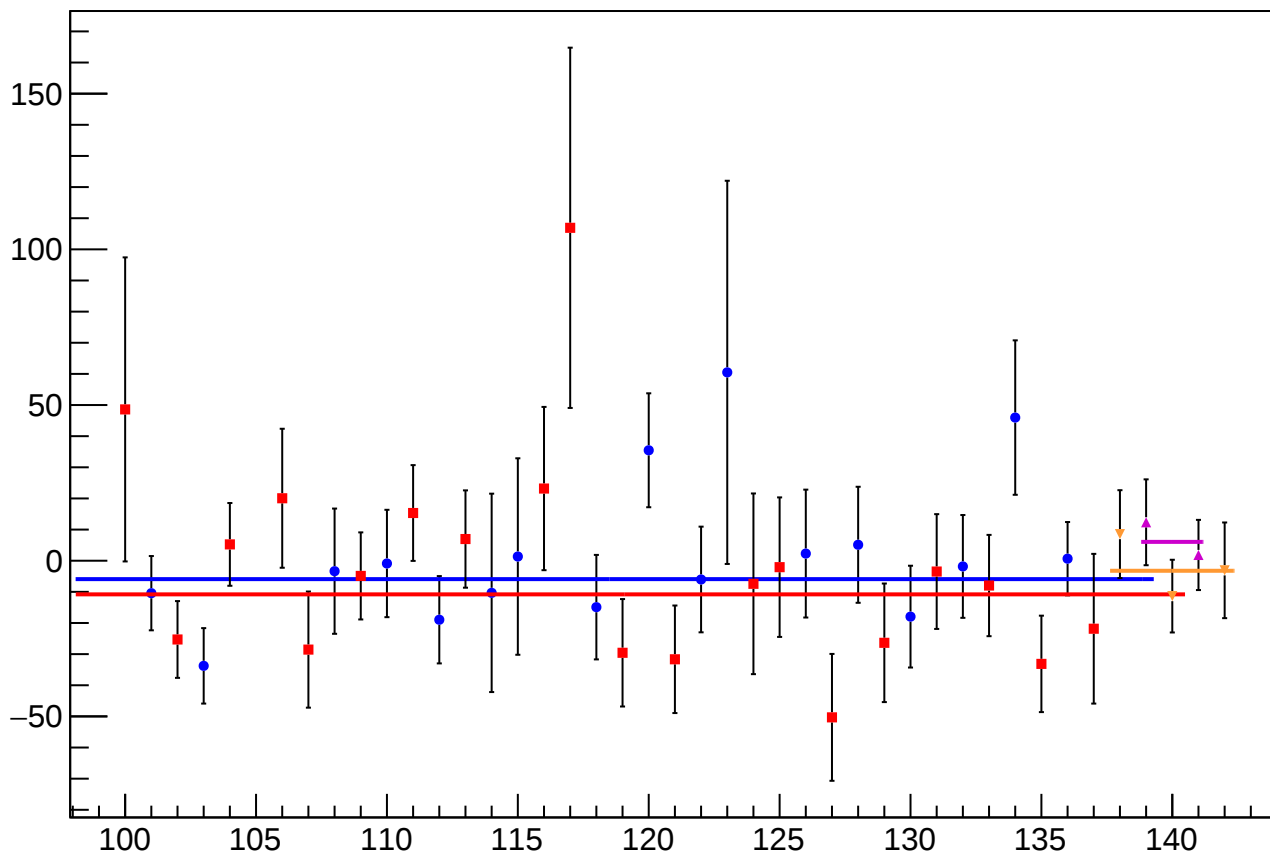
Right Out: 172.655 $\pm$ 0.050 χ^2 /NDF: 1573277.0/19

Left In: 216.456 $\pm$ 0.125 χ^2 /NDF:182.8/1

200.245 $\pm$ 0.050 χ^2 /NDF: 1072633.6/19

178.602 $\pm$ 0.046 χ^2 /NDF: 1679686.7/21

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.912 ± 4.133 $\chi^2/\text{NDF}: 18.8/16$

Left Out: -3.230 ± 7.763 $\chi^2/\text{NDF}: 1.2/2$

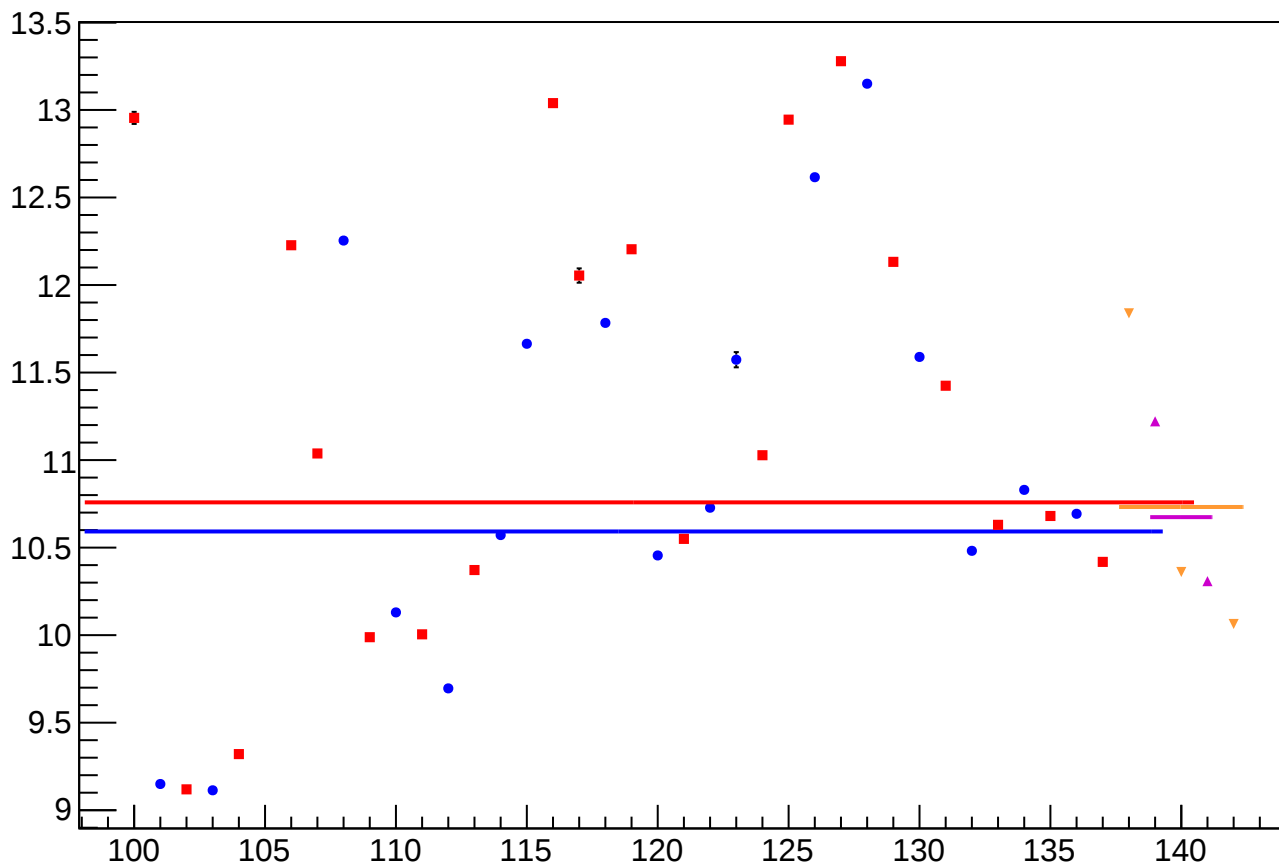
Right Out: -10.806 ± 4.068 $\chi^2/\text{NDF}: 27.0/19$

Left In: 6.050 ± 8.727 $\chi^2/\text{NDF}: 0.3/1$

-5.320 ± 3.648 $\chi^2/\text{NDF}: 20.1/19$

-7.797 ± 3.687 $\chi^2/\text{NDF}: 30.4/21$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.592 $\pm$ 0.003 χ^2 /NDF: 160397.9/16

Left Out: 10.732 $\pm$ 0.005 χ^2 /NDF:18094.7/2

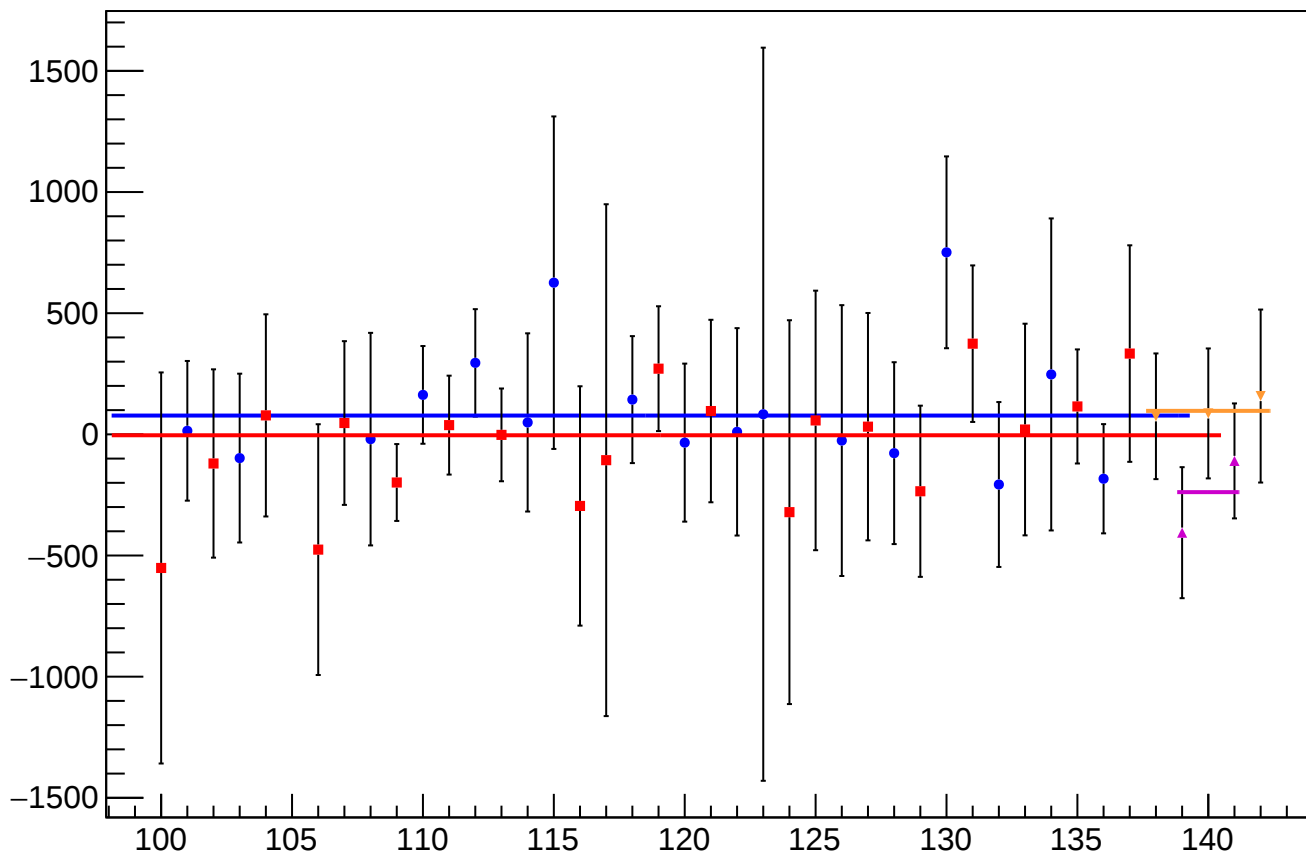
Right Out: 10.758 $\pm$ 0.003 χ^2 /NDF: 177903.3/19

Left In: 10.674 $\pm$ 0.006 χ^2 /NDF:5255.4/1

10.623 $\pm$ 0.003 χ^2 /NDF: 178998.2/19

10.743 $\pm$ 0.003 χ^2 /NDF: 183312.1/21

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 77.589 $\pm$ 79.751 χ^2 /NDF: 7.6/16

Left Out: 96.962 $\pm$ 165.242 χ^2 /NDF: 0.0/2

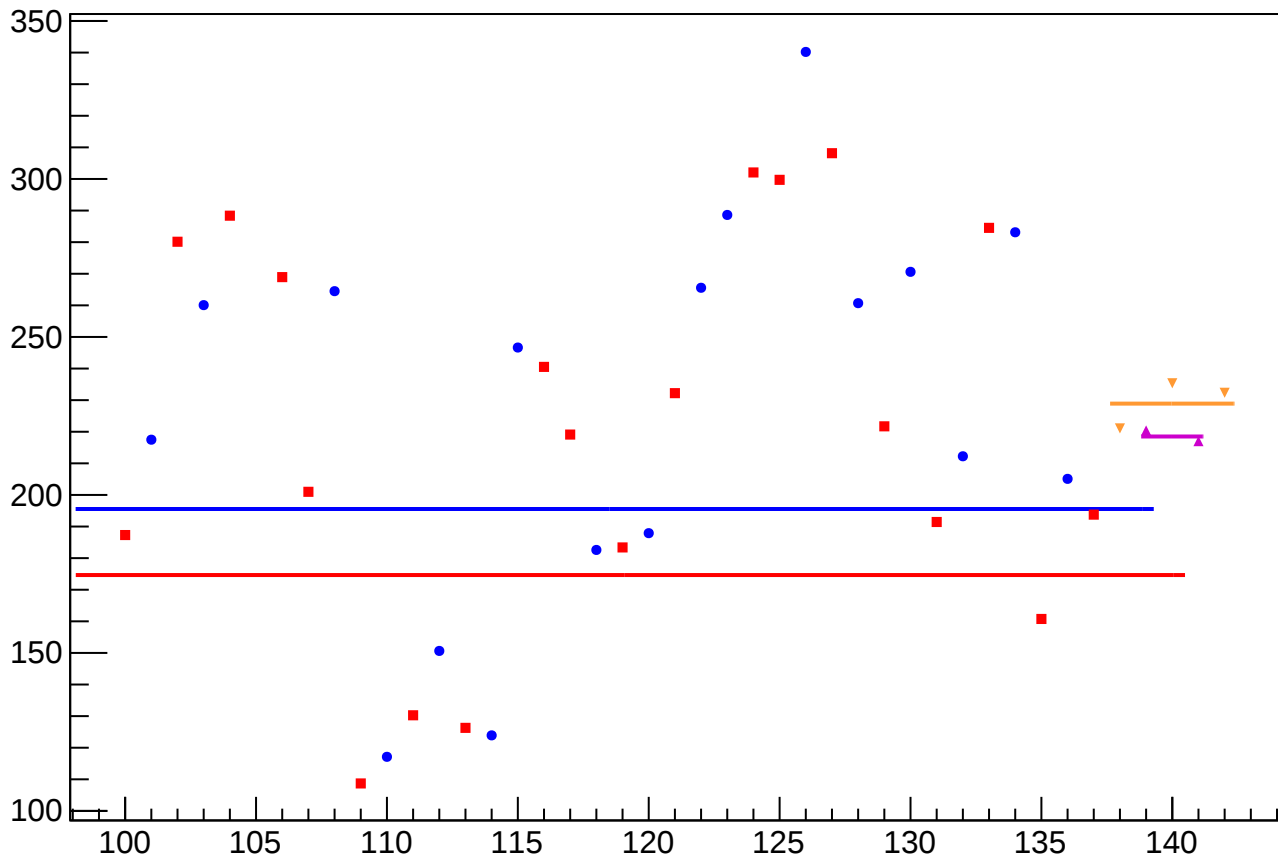
Right Out: -3.768 $\pm$ 70.696 χ^2 /NDF: 7.4/19

Left In: -238.449 $\pm$ 178.327 χ^2 /NDF: 0.7/1

81.249 $\pm$ 71.823 χ^2 /NDF: 7.6/19

-35.642 $\pm$ 65.720 χ^2 /NDF: 9.5/21

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.551+/-0.056 χ^2/NDF : 979937.7/16

Left Out: 228.901+/-0.117 χ^2/NDF : 3166.7/2

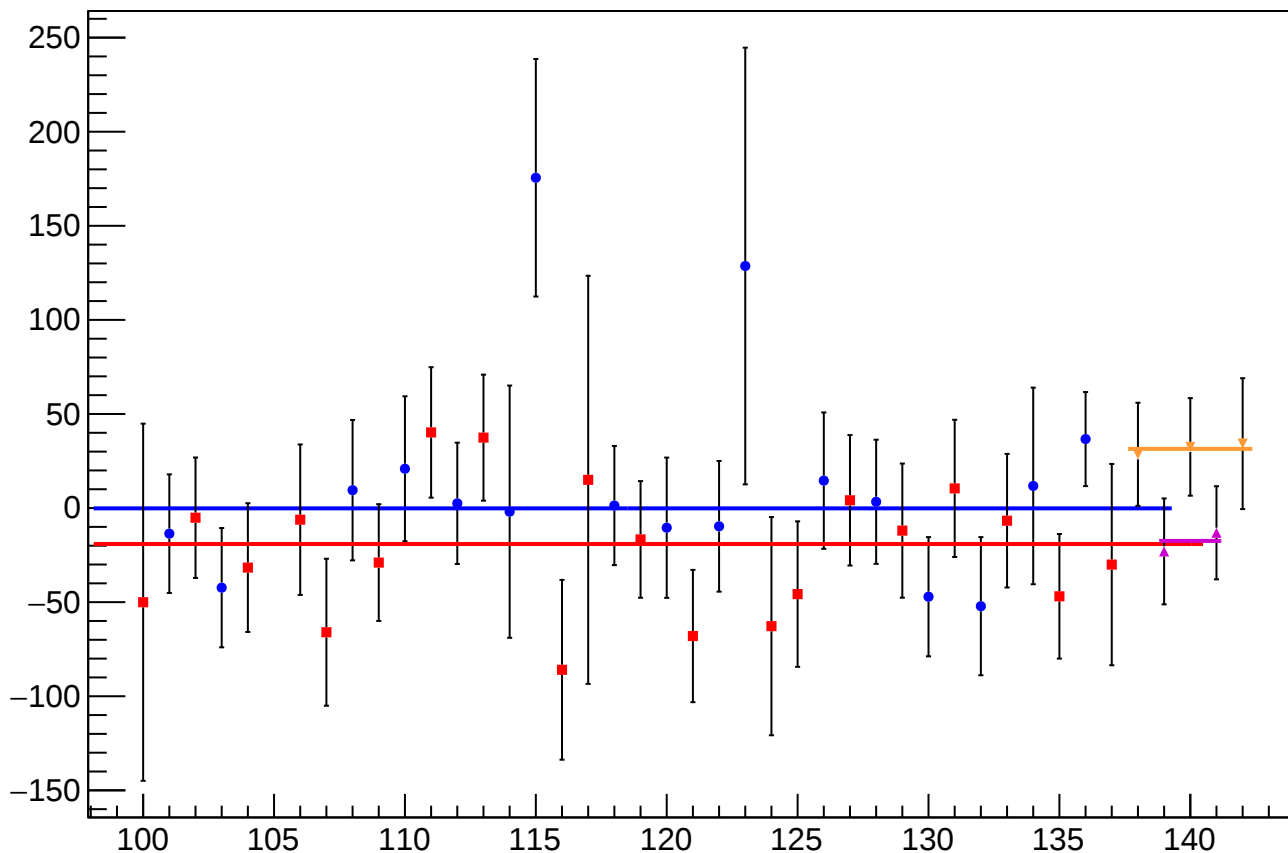
Right Out: 174.649+/-0.050 χ^2/NDF : 1532189.1/19

Left In: 218.498+/-0.126 χ^2/NDF : 177.6/1

201.852+/-0.051 χ^2/NDF : 1049180.6/19

180.605+/-0.046 χ^2/NDF : 1636864.5/21

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -0.158 ± 8.826 χ^2/NDF : 18.1/16

Left Out: 31.458 ± 16.557 χ^2/NDF : 0.0/2

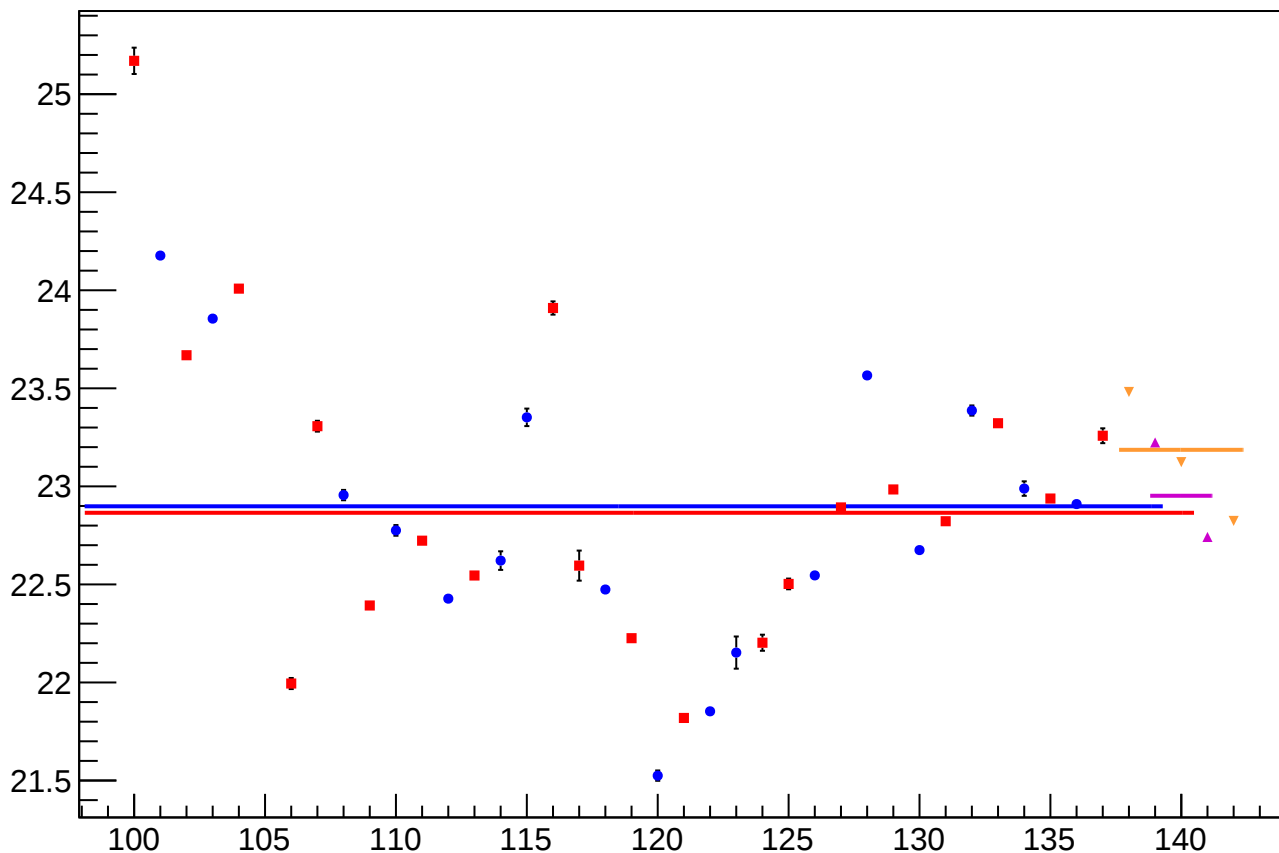
Right Out: -19.104 ± 8.527 χ^2/NDF : 14.9/19

Left In: -17.445 ± 18.587 χ^2/NDF : 0.1/1

6.838 ± 7.789 χ^2/NDF : 20.9/19

-18.815 ± 7.750 χ^2/NDF : 15.0/21

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.898 $\pm$ 0.006 χ^2 /NDF: 12143.3/16

Left Out: 23.186 $\pm$ 0.012 χ^2 /NDF:461.3/2

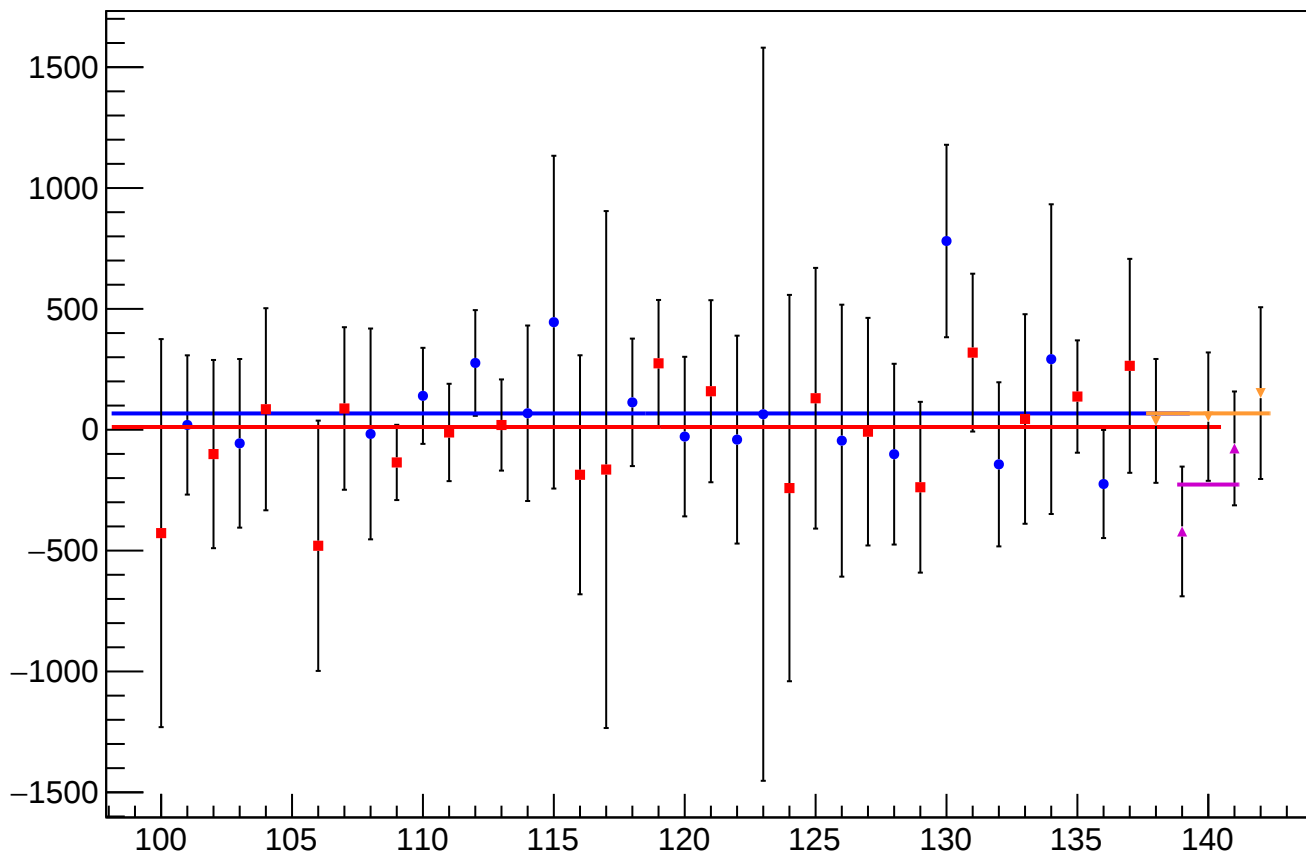
Right Out: 22.865 $\pm$ 0.006 χ^2 /NDF: 11060.8/19

Left In: 22.952 $\pm$ 0.013 χ^2 /NDF:330.4/1

22.962 $\pm$ 0.006 χ^2 /NDF: 13075.9/19

22.880 $\pm$ 0.005 χ^2 /NDF: 11427.3/21

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.449+/-79.404 χ^2/NDF : 7.4/16

Left Out: 67.696+/-163.657 χ^2/NDF : 0.1/2

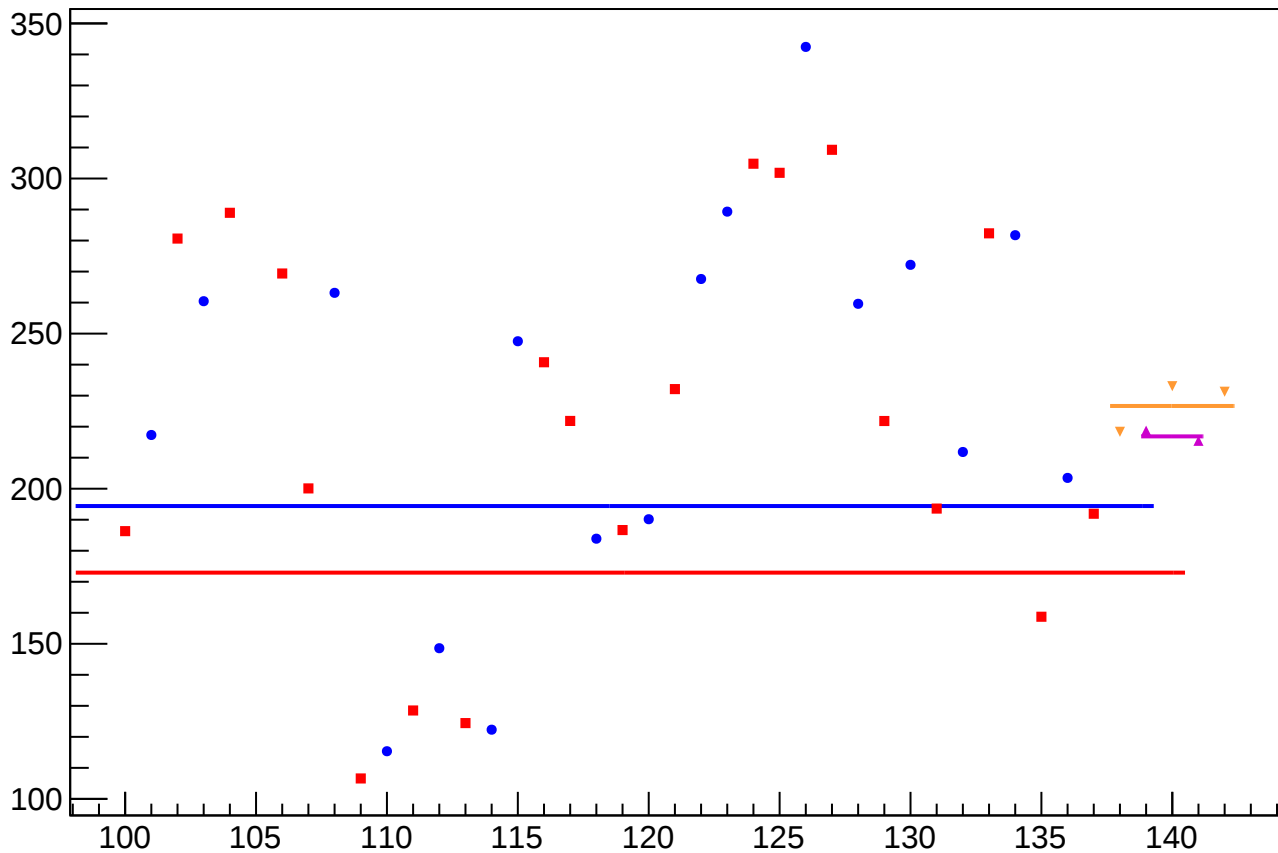
Right Out: 11.355+/-70.203 χ^2/NDF : 5.8/19

Left In: -226.720+/-177.011 χ^2/NDF : 0.9/1

67.496+/-71.440 χ^2/NDF : 7.5/19

-21.003+/-65.258 χ^2/NDF : 8.3/21

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.411 $\pm$ 0.056 χ^2 /NDF: 1019913.2/16

Left Out: 226.671 $\pm$ 0.116 χ^2 /NDF:3598.2/2

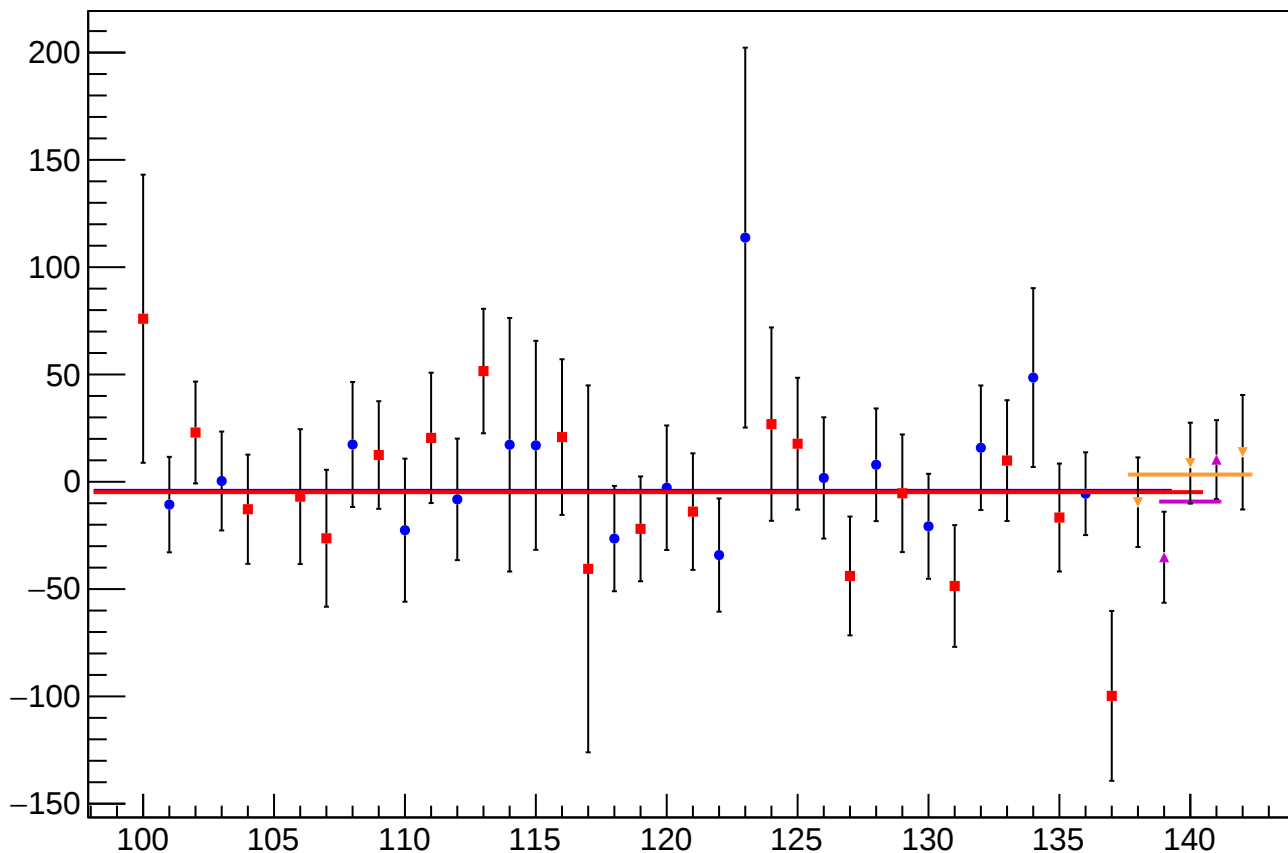
Right Out: 172.942 $\pm$ 0.050 χ^2 /NDF: 1600959.1/19

Left In: 216.867 $\pm$ 0.125 χ^2 /NDF:168.2/1

200.558 $\pm$ 0.051 χ^2 /NDF: 1086416.5/19

178.912 $\pm$ 0.046 χ^2 /NDF: 1707545.3/21

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.223 ± 6.871 $\chi^2/\text{NDF}: 8.0/16$

Left Out: 3.373 ± 12.391 $\chi^2/\text{NDF}: 0.6/2$

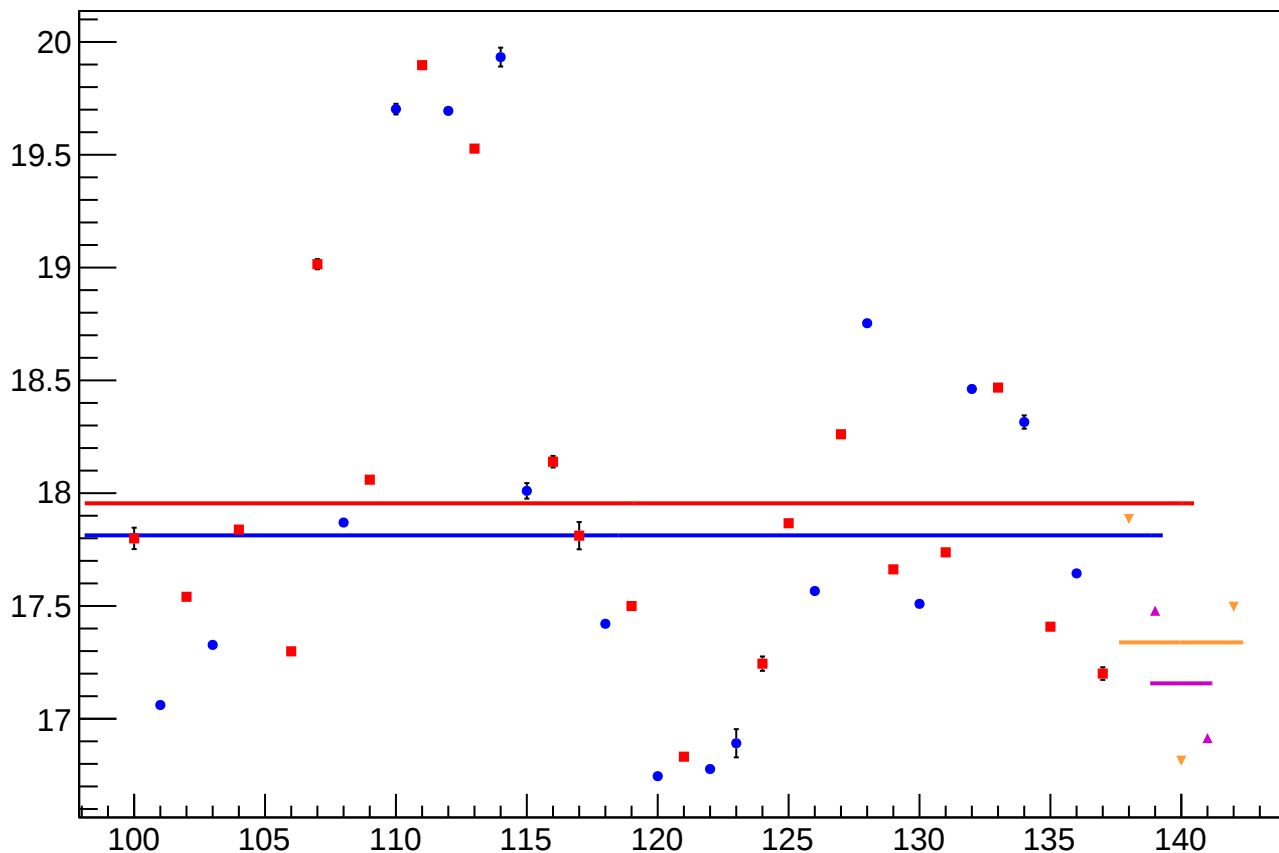
Right Out: -4.820 ± 6.704 $\chi^2/\text{NDF}: 21.3/19$

Left In: -9.223 ± 13.904 $\chi^2/\text{NDF}: 2.6/1$

-2.436 ± 6.009 $\chi^2/\text{NDF}: 8.9/19$

-5.651 ± 6.039 $\chi^2/\text{NDF}: 24.0/21$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.813 $\pm$ 0.005 χ^2/NDF : 32034.8/16

Left Out: 17.338 $\pm$ 0.009 χ^2/NDF : 2990.1/2

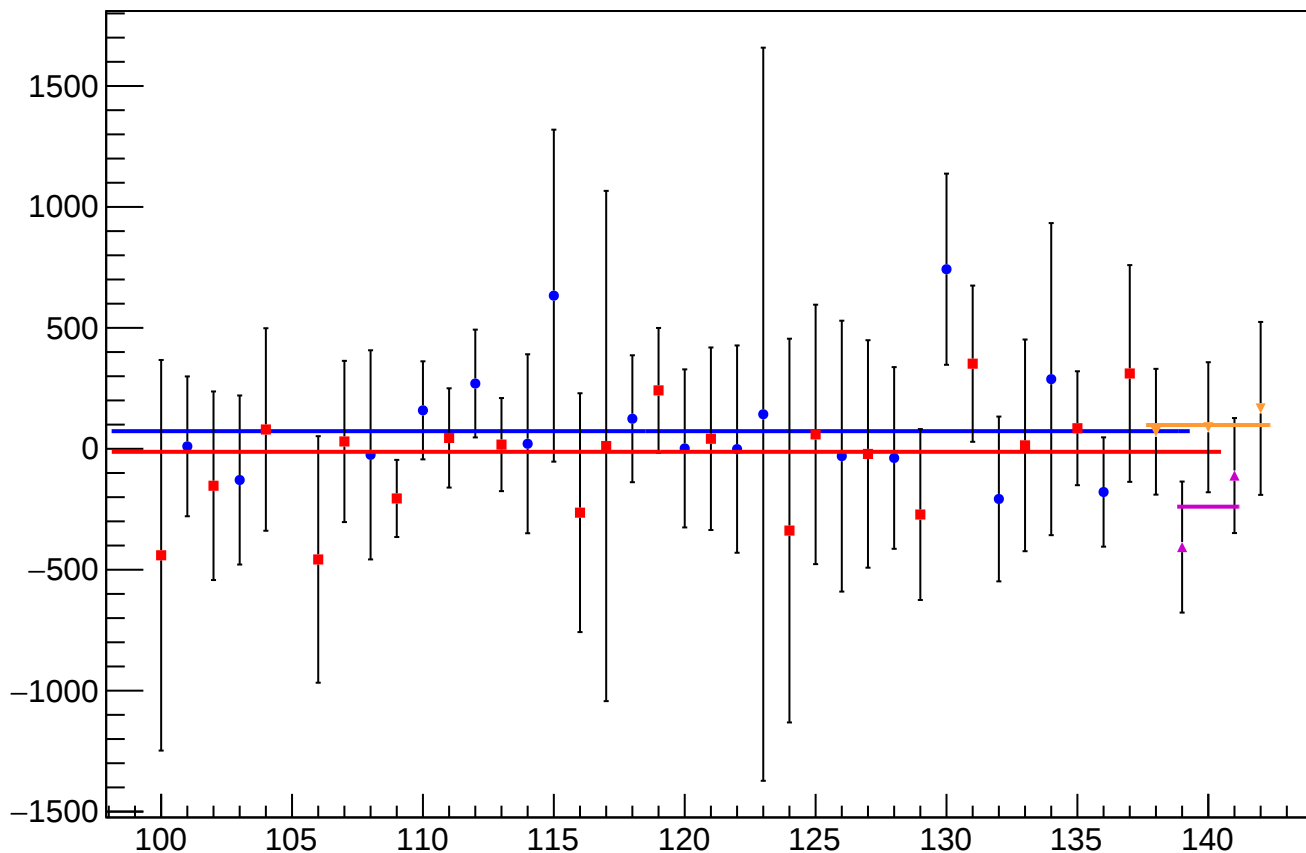
Right Out: 17.955 $\pm$ 0.005 χ^2/NDF : 25451.0/19

Left In: 17.157 $\pm$ 0.010 χ^2/NDF : 808.1/1

17.701 $\pm$ 0.004 χ^2/NDF : 37268.2/19

17.805 $\pm$ 0.004 χ^2/NDF : 31604.8/21

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 72.888+/-79.948 χ^2/NDF : 7.2/16

Left Out: 98.310+/-165.637 χ^2/NDF : 0.0/2

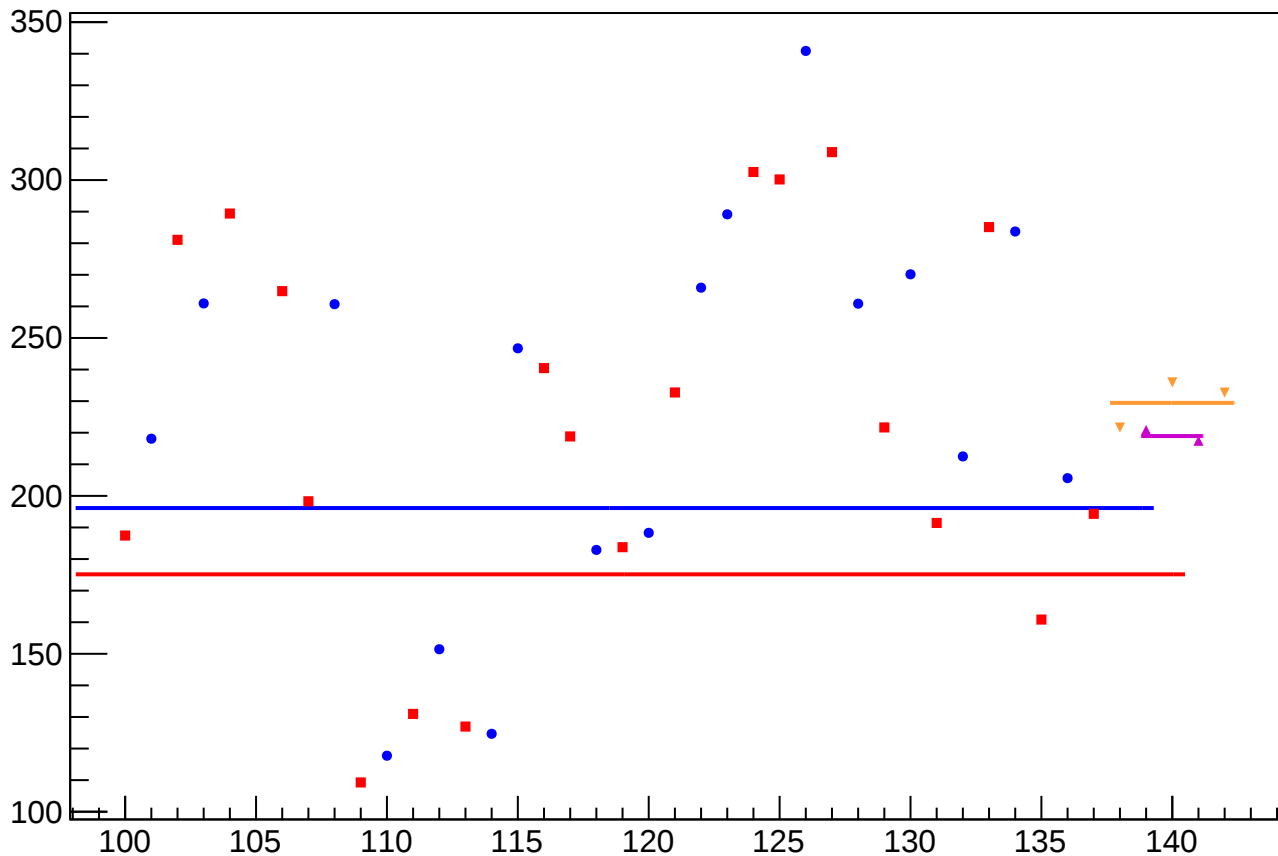
Right Out: -12.456+/-70.853 χ^2/NDF : 6.7/19

Left In: -239.275+/-178.691 χ^2/NDF : 0.7/1

77.692+/-72.000 χ^2/NDF : 7.3/19

-43.272+/-65.864 χ^2/NDF : 8.8/21

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.151+/-0.057 χ^2/NDF : 964998.4/16

Left Out: 229.449+/-0.117 χ^2/NDF : 3133.8/2

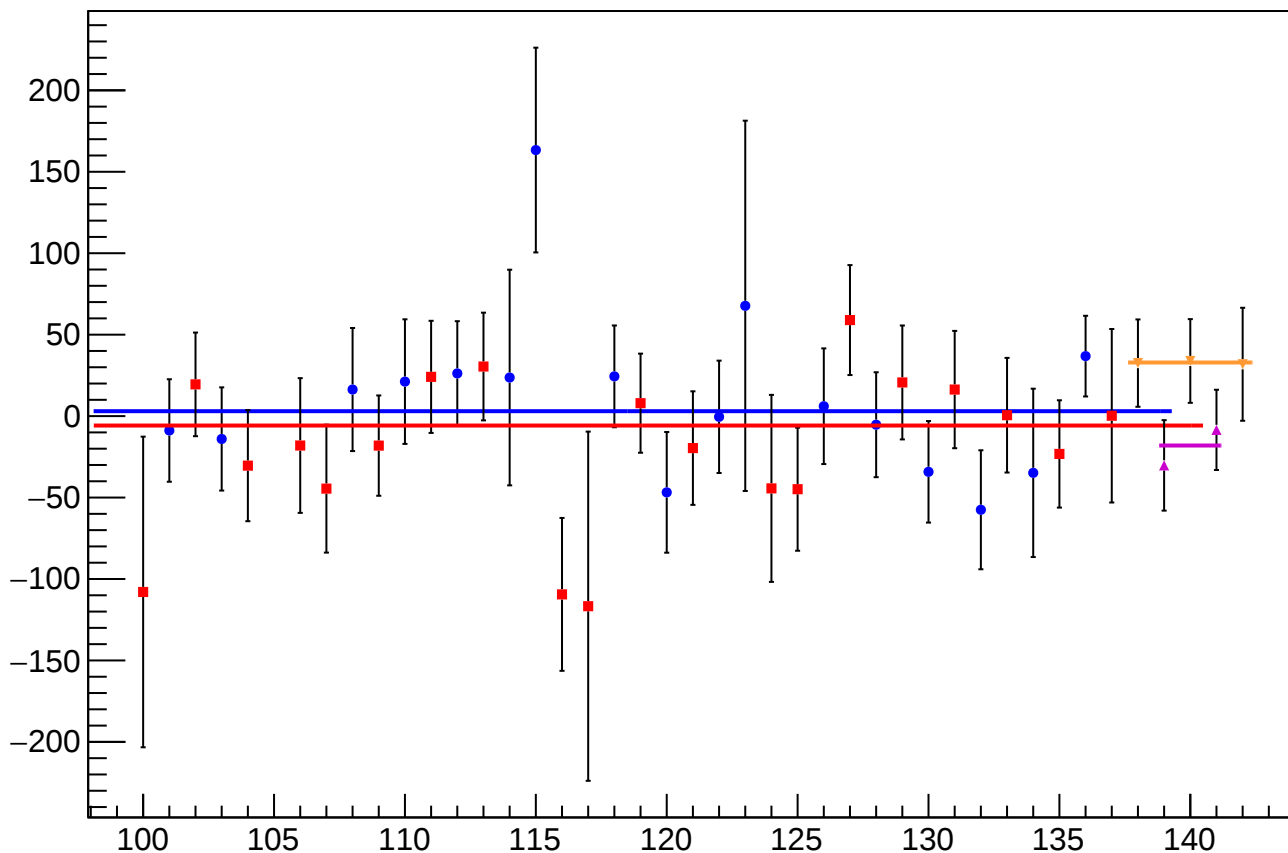
202.443+/-0.051 χ^2/NDF : 1033686.3/19

Right Out: 175.163+/-0.050 χ^2/NDF : 1514398.4/19

181.111+/-0.047 χ^2/NDF : 1618326.7/21

Left In: 218.944+/-0.126 χ^2/NDF : 178.5/1

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.022 $\pm$ 8.751 χ^2/NDF : 17.2/16

Left Out: 32.912 $\pm$ 16.356 χ^2/NDF : 0.0/2

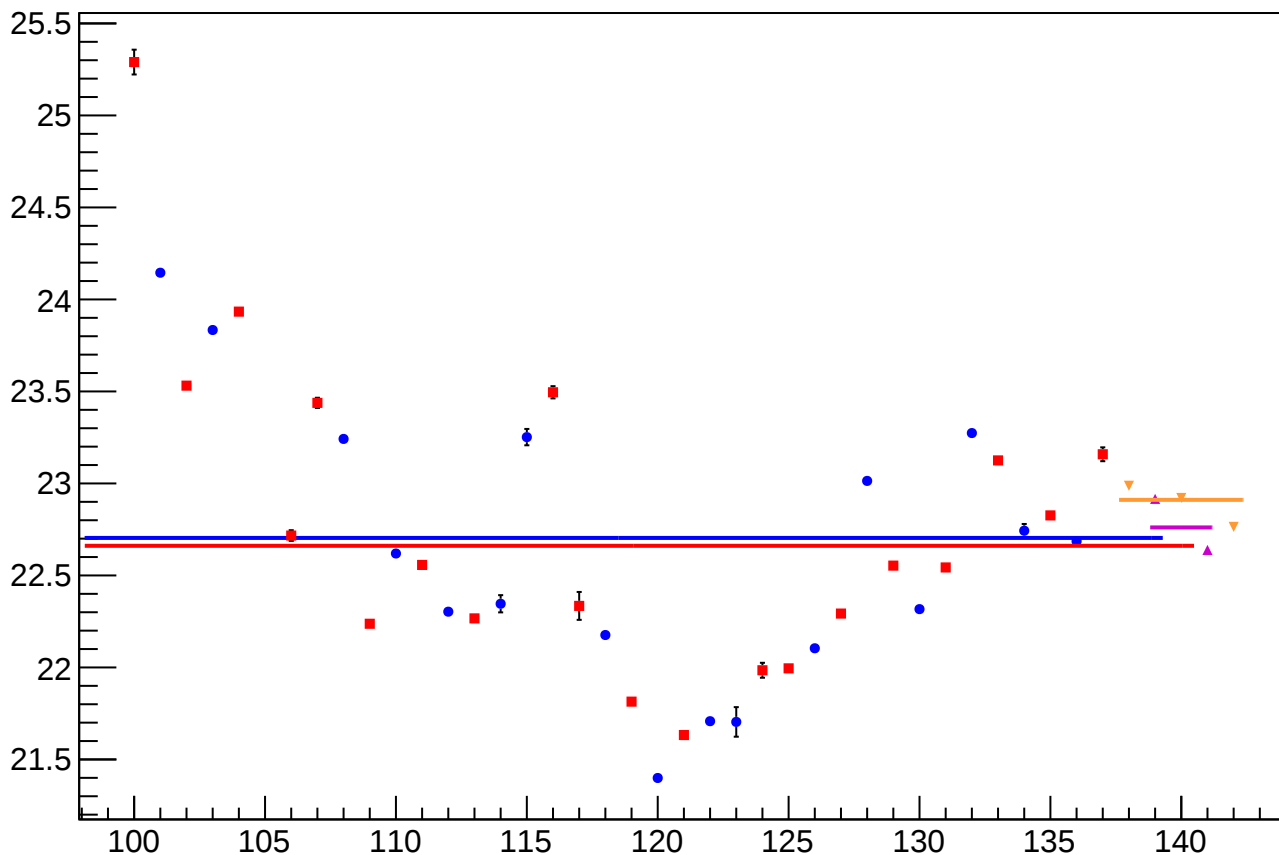
Right Out: -5.786 $\pm$ 8.451 χ^2/NDF : 18.3/19

Left In: -18.049 $\pm$ 18.431 χ^2/NDF : 0.3/1

9.674 $\pm$ 7.716 χ^2/NDF : 19.8/19

-7.916 $\pm$ 7.682 χ^2/NDF : 19.0/21

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



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

Left Out: 22.911+/-0.012 χ^2/NDF : 52.5/2

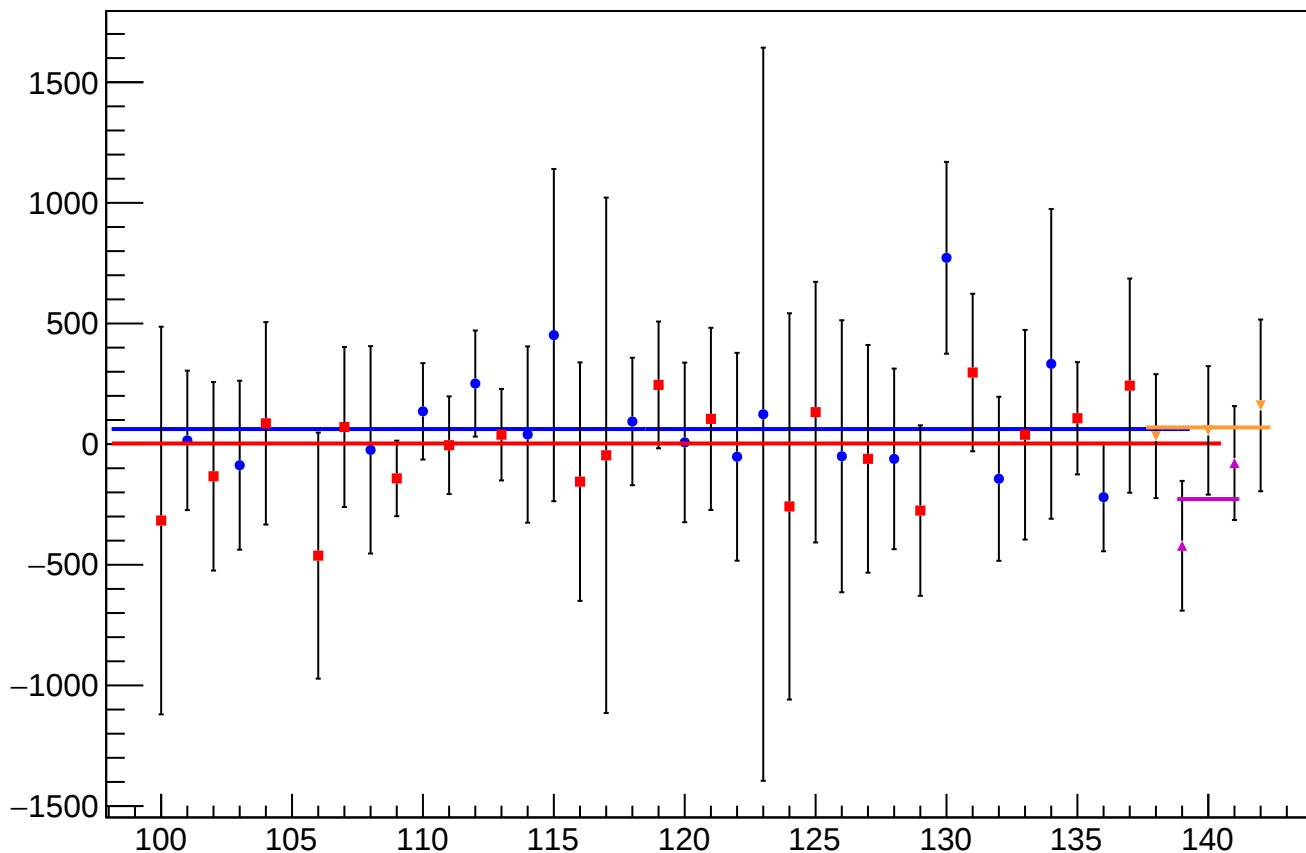
Right Out: 22.661+/-0.006 χ^2/NDF : 12962.1/19

Left In: 22.761+/-0.013 χ^2/NDF : 111.7/1

22.750+/-0.005 χ^2/NDF : 14407.2/19

22.678+/-0.005 χ^2/NDF : 13122.2/21

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



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

Left Out: 69.323+/-164.053 χ^2/NDF : 0.1/2

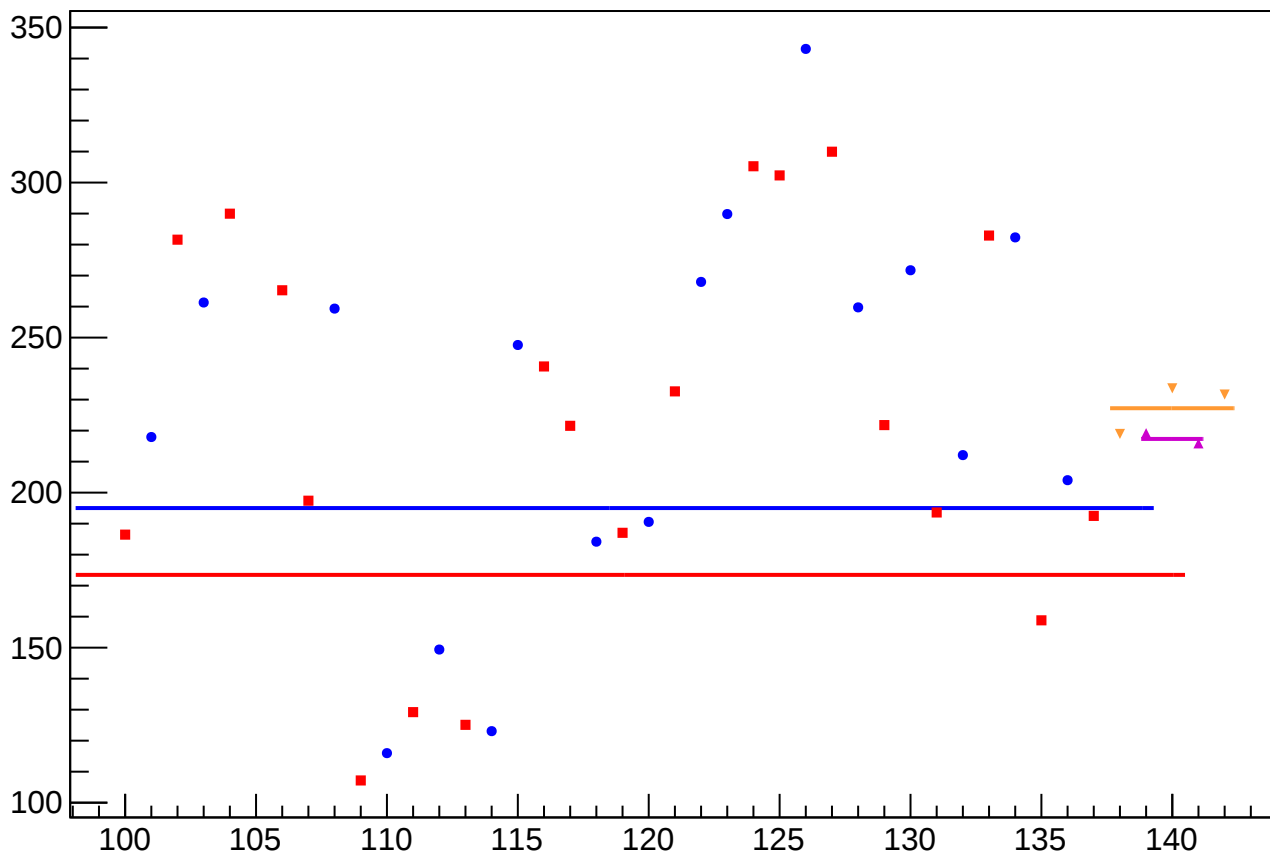
Right Out: 2.824+/-70.364 χ^2/NDF : 5.2/19

Left In: -227.581+/-177.378 χ^2/NDF : 0.9/1

63.860+/-71.618 χ^2/NDF : 7.1/19

-28.503+/-65.406 χ^2/NDF : 7.6/21

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.022+/-0.056 χ^2/NDF : 1004284.9/16

Left Out: 227.220+/-0.116 χ^2/NDF :3553.4/2

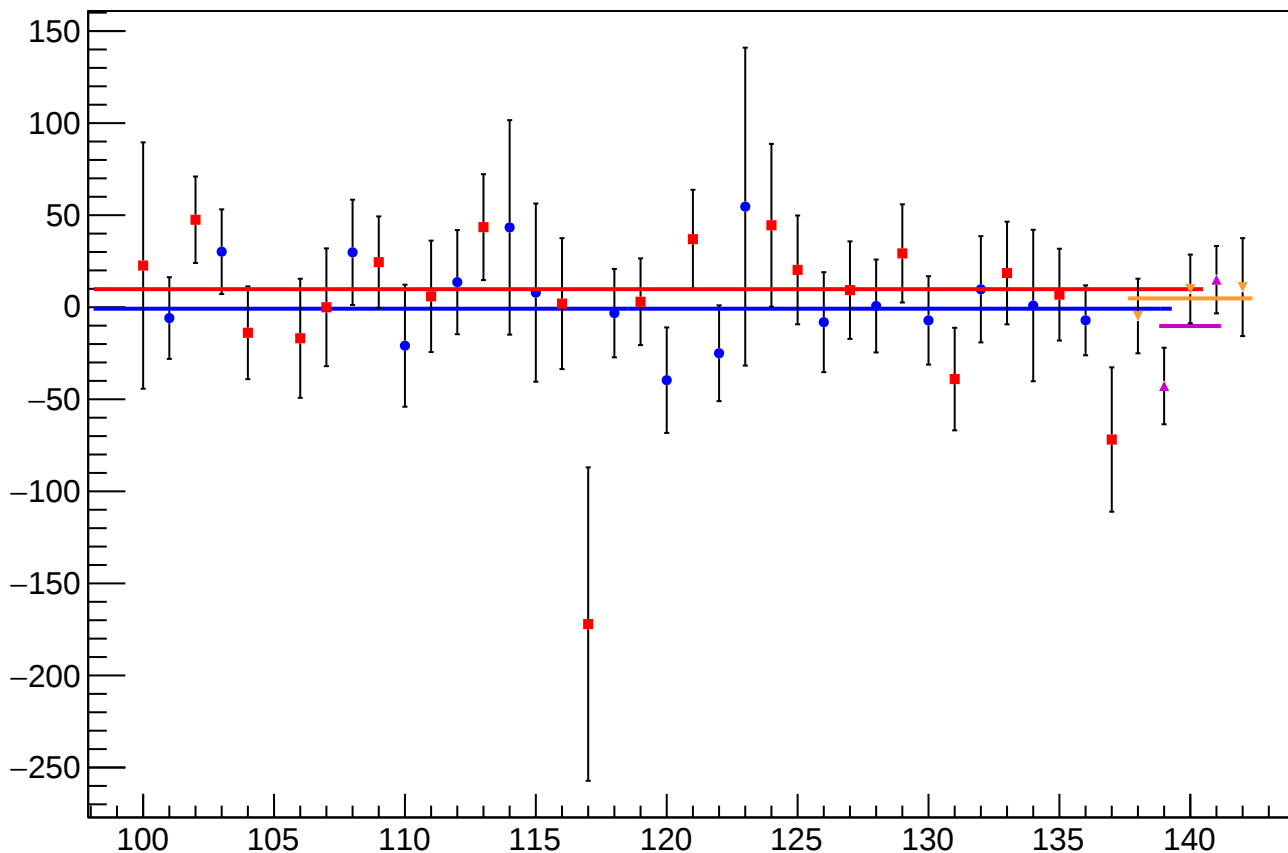
Right Out: 173.471+/-0.050 χ^2/NDF : 1582273.4/19

Left In: 217.317+/-0.125 χ^2/NDF :169.3/1

201.158+/-0.051 χ^2/NDF : 1070195.1/19

179.433+/-0.046 χ^2/NDF : 1688030.9/21

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.801 ± 6.770 χ^2/NDF : 7.8/16

Left Out: 4.808 ± 12.205 χ^2/NDF : 0.4/2

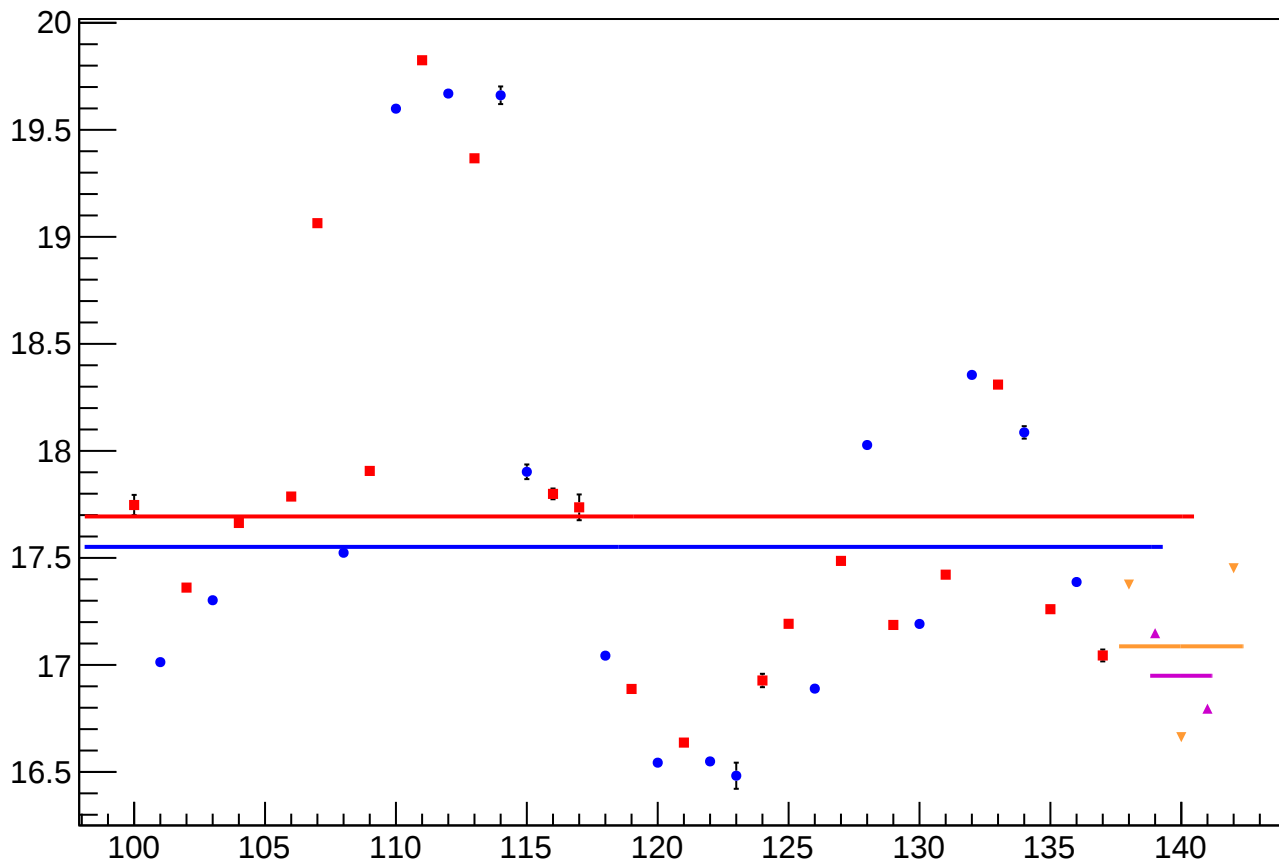
Right Out: 9.809 ± 6.606 χ^2/NDF : 20.5/19

Left In: -10.213 ± 13.731 χ^2/NDF : 4.3/1

0.518 ± 5.920 χ^2/NDF : 8.3/19

6.046 ± 5.953 χ^2/NDF : 26.6/21

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.552 ± 0.005 χ^2/NDF : 34027.1/16

Left Out: 17.087 ± 0.009 χ^2/NDF : 1813.9/2

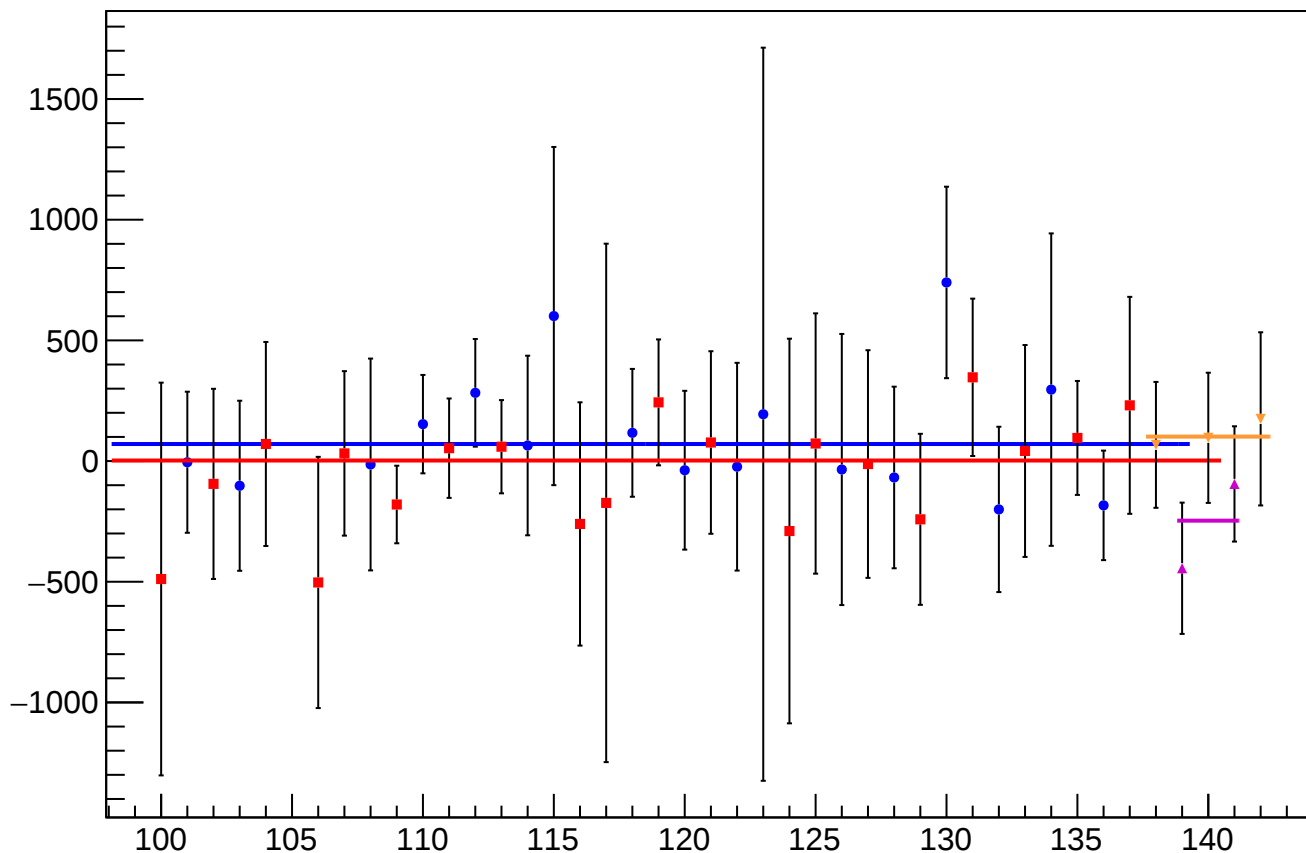
Right Out: 17.694 ± 0.005 χ^2/NDF : 30742.5/19

Left In: 16.949 ± 0.010 χ^2/NDF : 324.5/1

17.442 ± 0.004 χ^2/NDF : 38057.6/19

17.554 ± 0.004 χ^2/NDF : 35837.8/21

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



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

Left Out: 101.313+/-166.161 χ^2/NDF : 0.1/2

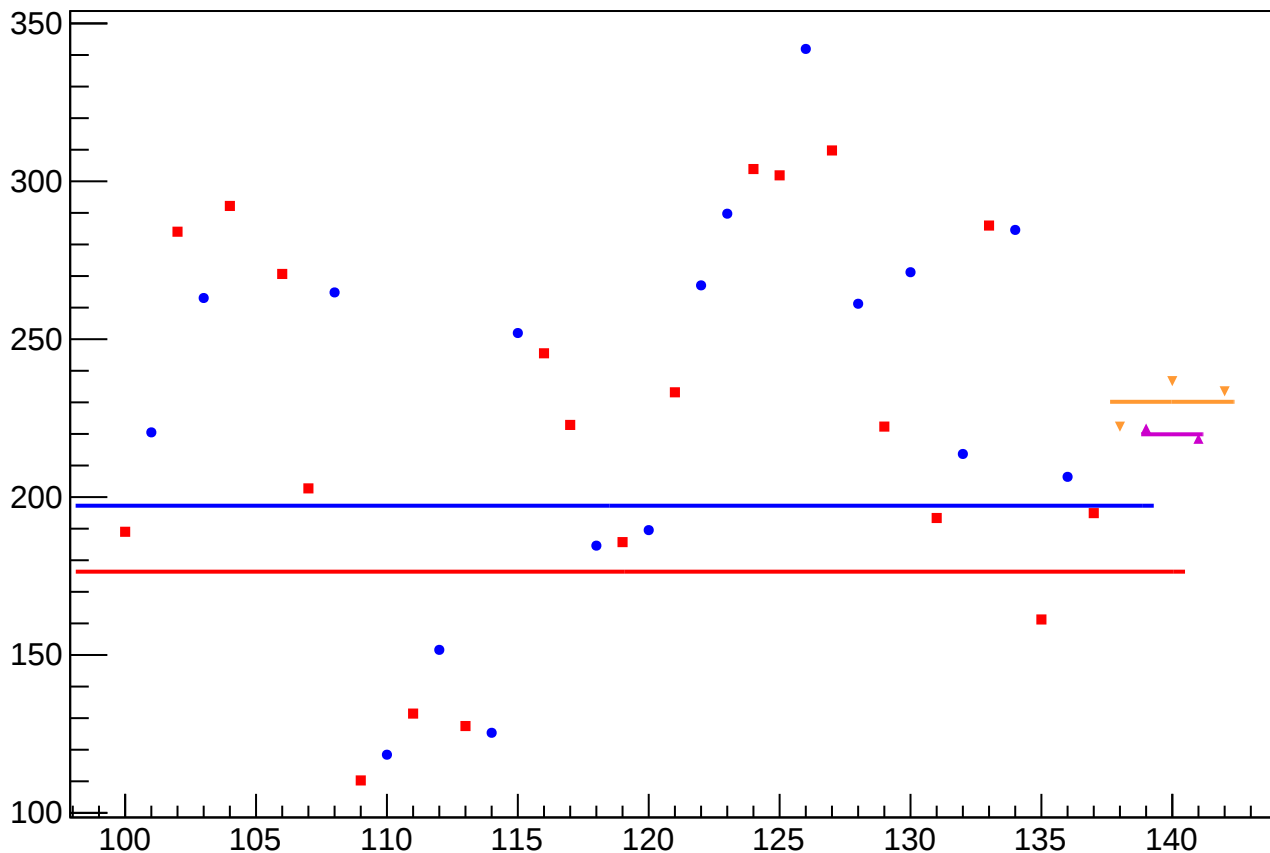
Right Out: 2.285+/-71.350 χ^2/NDF : 6.2/19

Left In: -246.867+/-179.453 χ^2/NDF : 0.9/1

76.455+/-72.379 χ^2/NDF : 7.3/19

-31.725+/-66.301 χ^2/NDF : 8.8/21

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.271 $\pm$ 0.057 χ^2/NDF : 969549.7/16

Left Out: 230.178 $\pm$ 0.117 χ^2/NDF : 3170.7/2

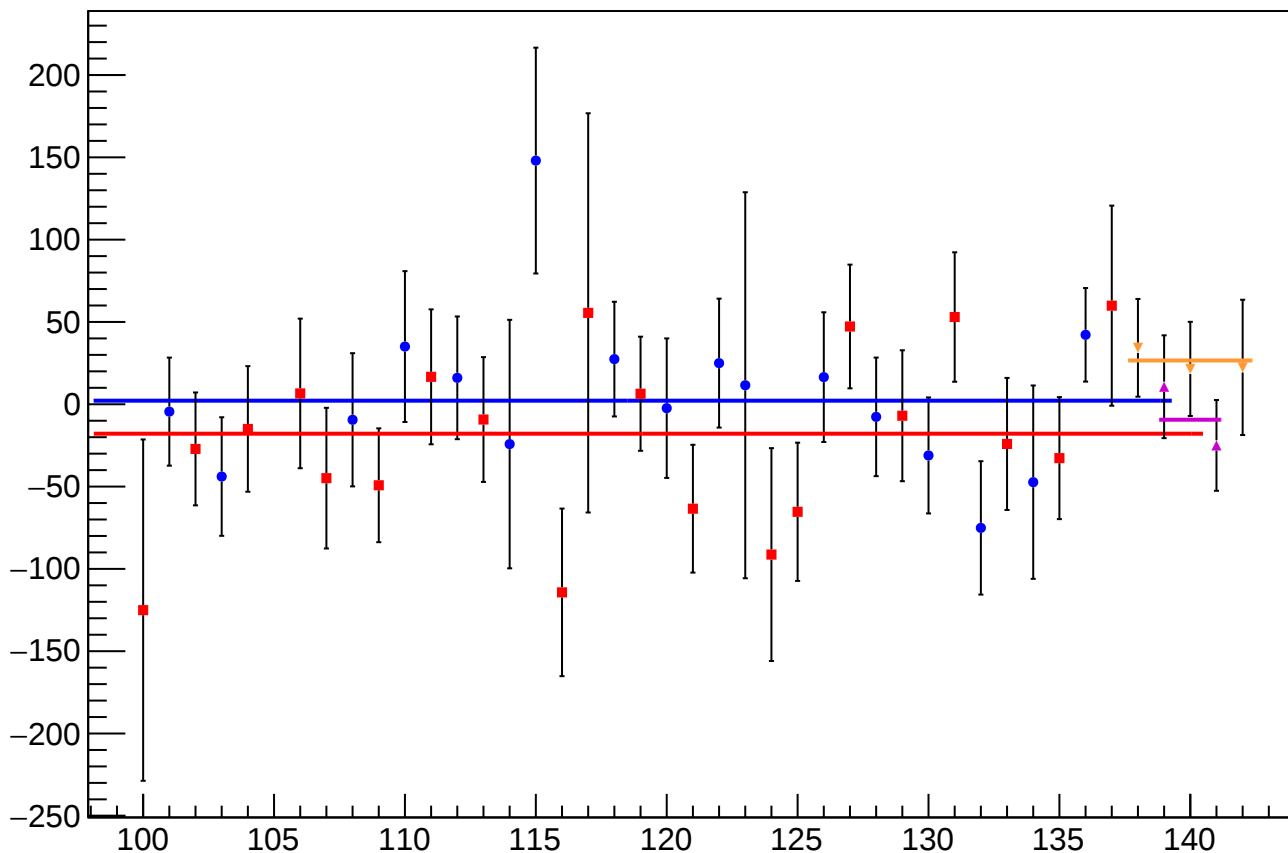
Right Out: 176.387 $\pm$ 0.050 χ^2/NDF : 1523467.7/19

Left In: 219.885 $\pm$ 0.127 χ^2/NDF : 160.6/1

203.515 $\pm$ 0.051 χ^2/NDF : 1036279.0/19

182.324 $\pm$ 0.047 χ^2/NDF : 1625100.5/21

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.178 ± 9.825 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 26.595 ± 18.409 $\chi^2/\text{NDF}: 0.1/2$

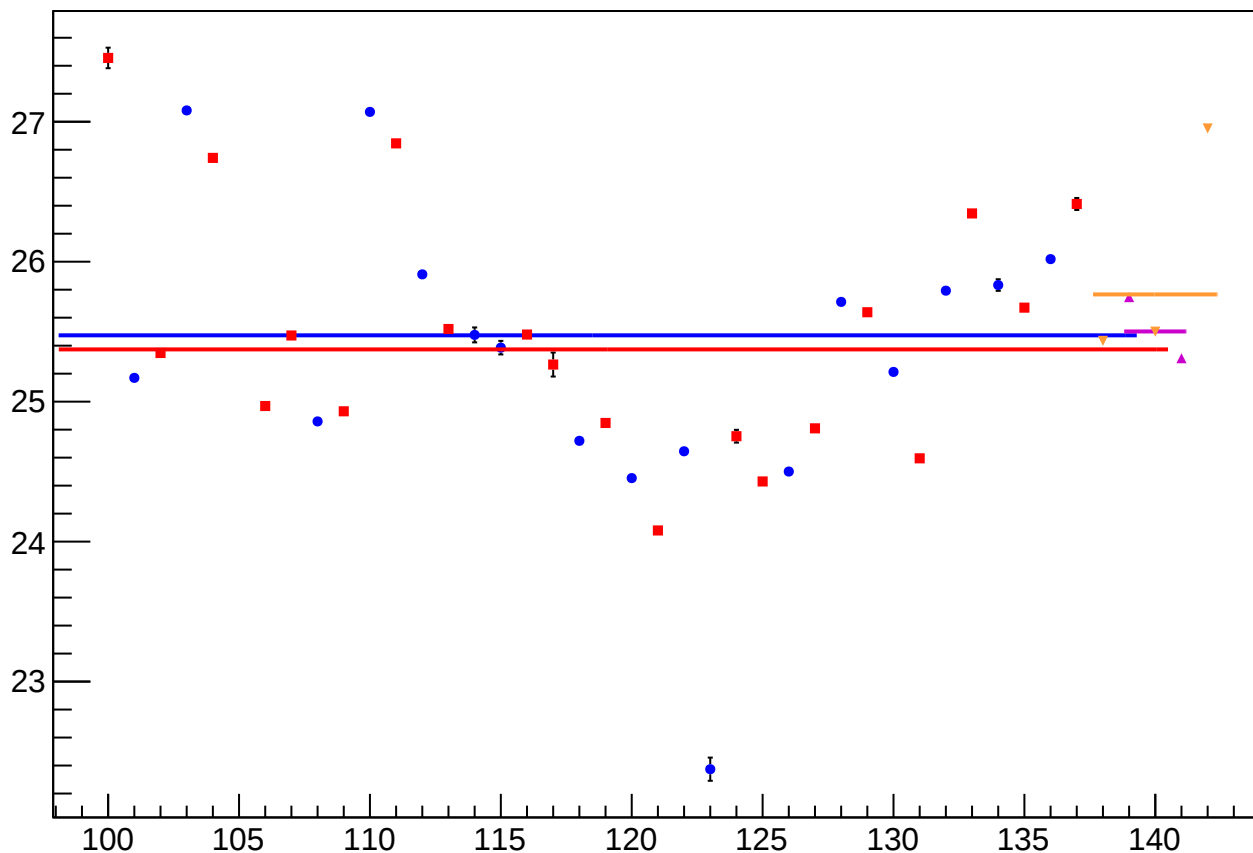
Right Out: -17.869 ± 9.468 $\chi^2/\text{NDF}: 20.0/19$

Left In: -9.384 ± 20.667 $\chi^2/\text{NDF}: 0.7/1$

7.590 ± 8.668 $\chi^2/\text{NDF}: 16.9/19$

-16.398 ± 8.608 $\chi^2/\text{NDF}: 20.8/21$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.474+/-0.007 χ^2/NDF : 14061.2/16

Left Out: 25.766+/-0.013 χ^2/NDF : 2089.4/2

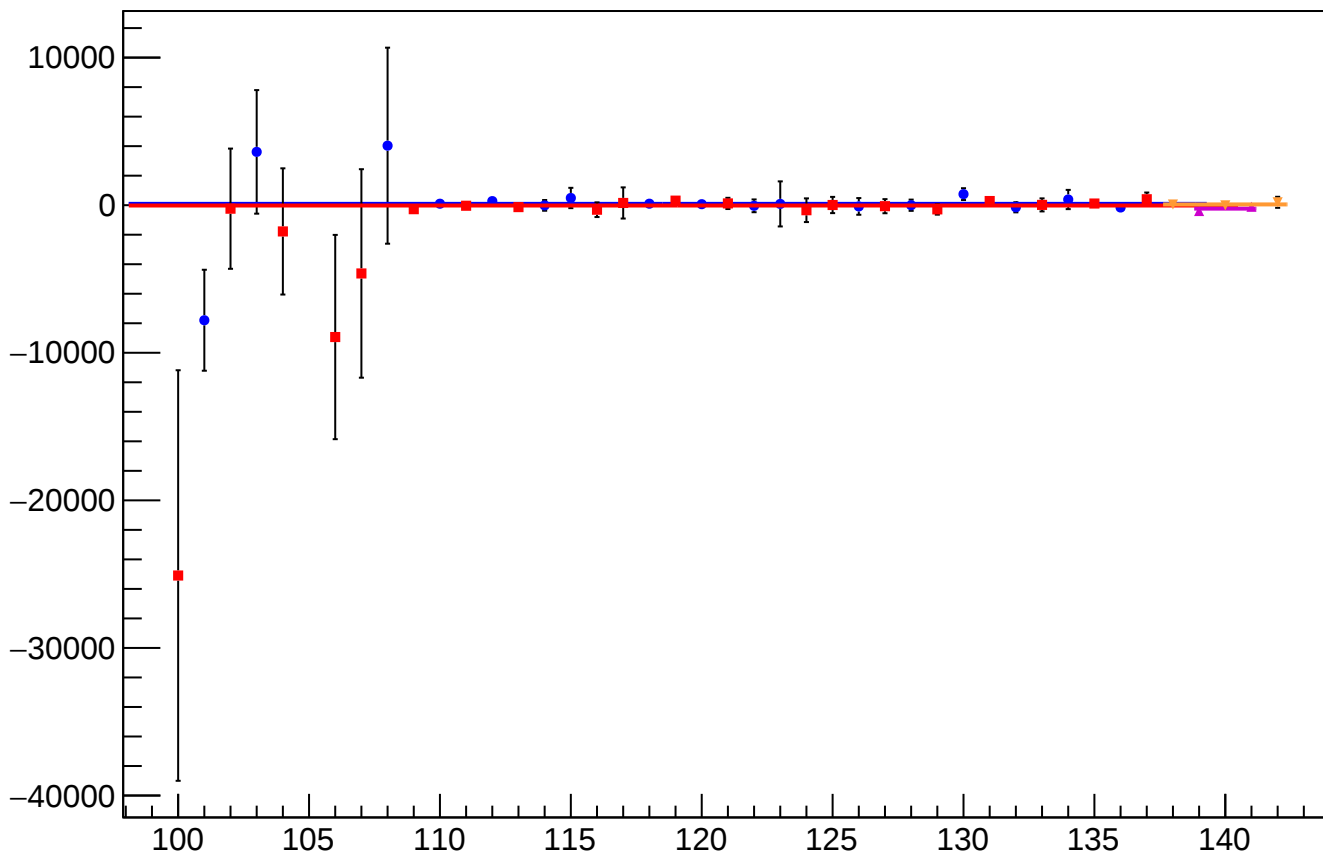
Right Out: 25.373+/-0.007 χ^2/NDF : 13582.8/19

Left In: 25.502+/-0.015 χ^2/NDF : 219.7/1

25.539+/-0.006 χ^2/NDF : 16543.0/19

25.396+/-0.006 χ^2/NDF : 13866.1/21

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 89.619+/-87.630 χ^2/NDF : 12.3/16

Left Out: 52.352+/-164.582 χ^2/NDF : 0.2/2

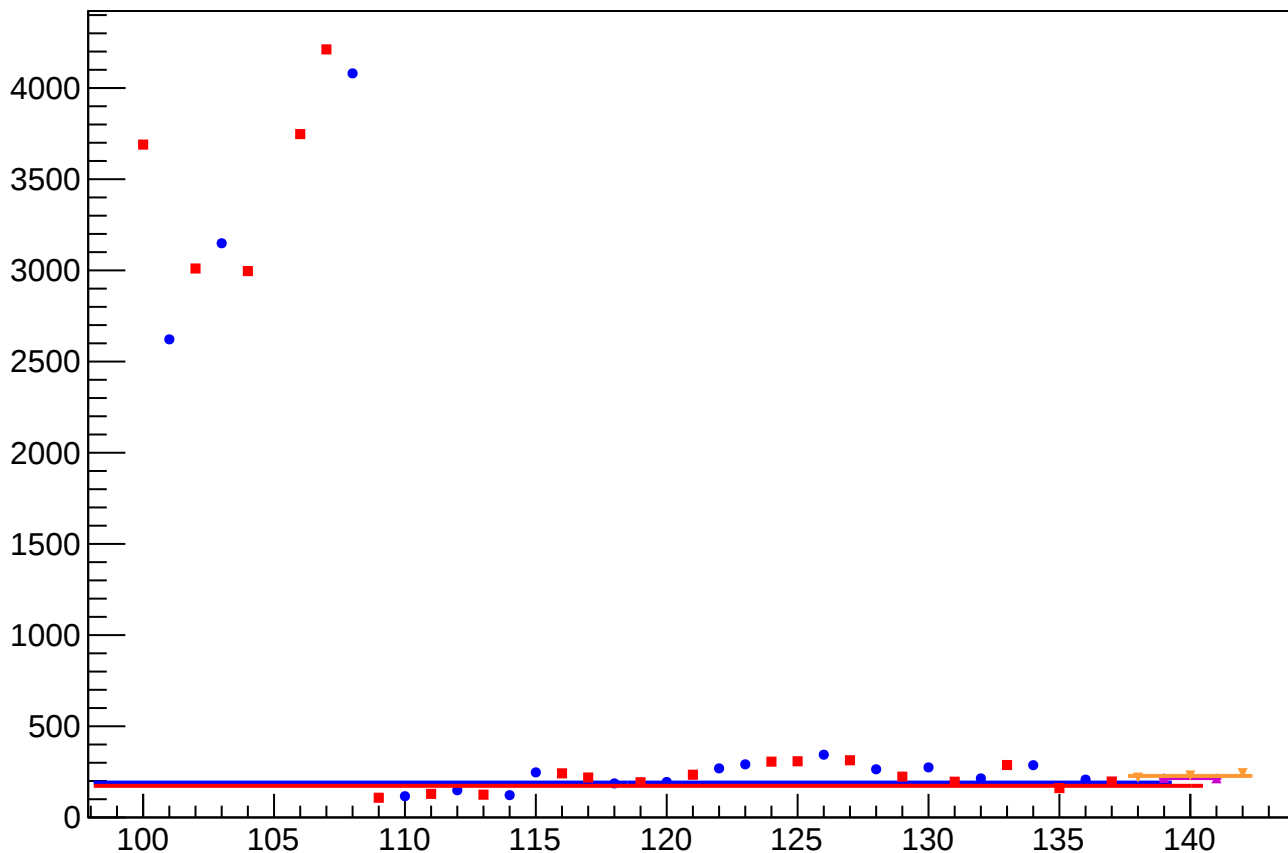
Right Out: -21.600+/-80.665 χ^2/NDF : 11.9/19

Left In: -232.912+/-176.349 χ^2/NDF : 0.7/1

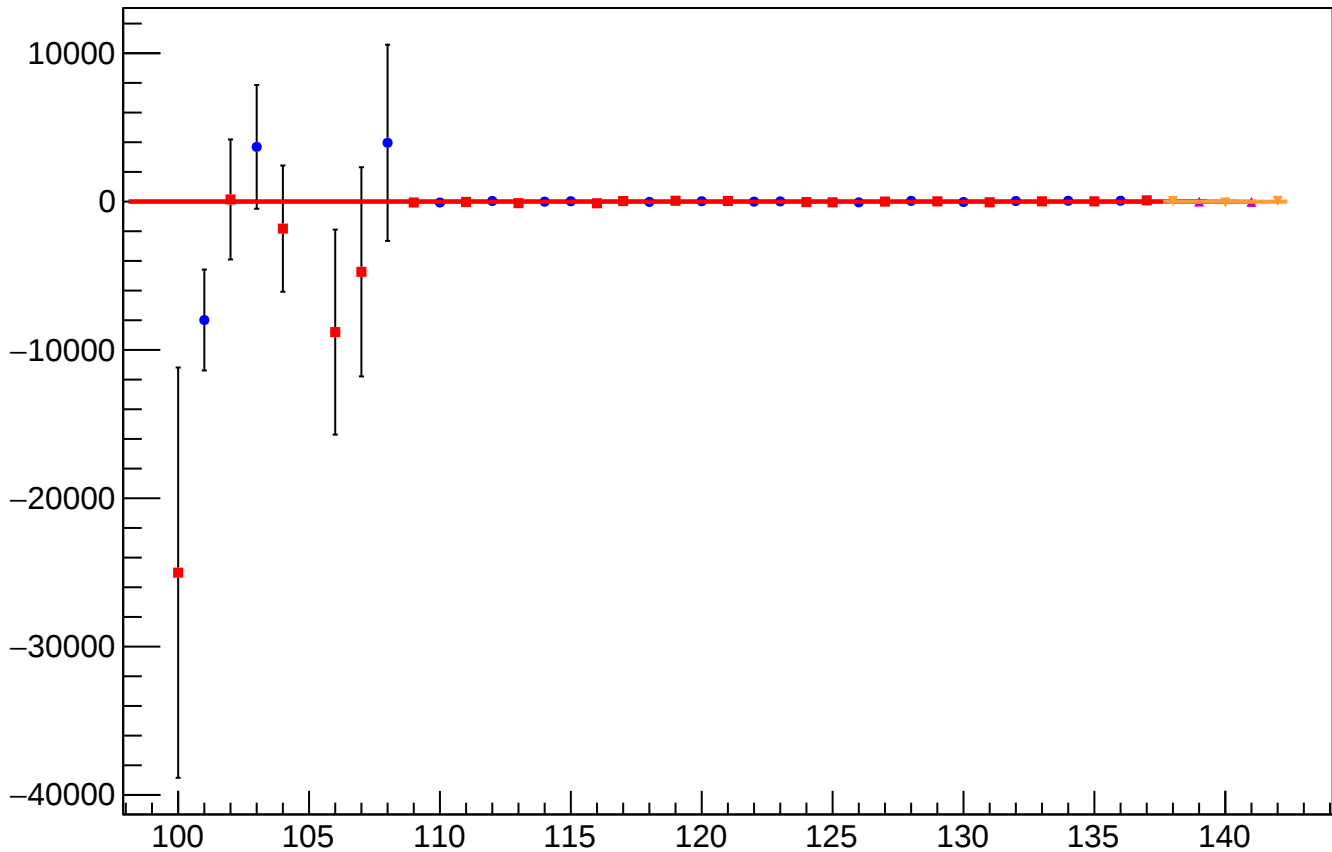
81.387+/-77.350 χ^2/NDF : 12.5/19

-58.163+/-73.355 χ^2/NDF : 13.8/21

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.398+/-12.190 χ^2/NDF : 18.3/16

Left Out: -6.283+/-21.194 χ^2/NDF : 5.3/2

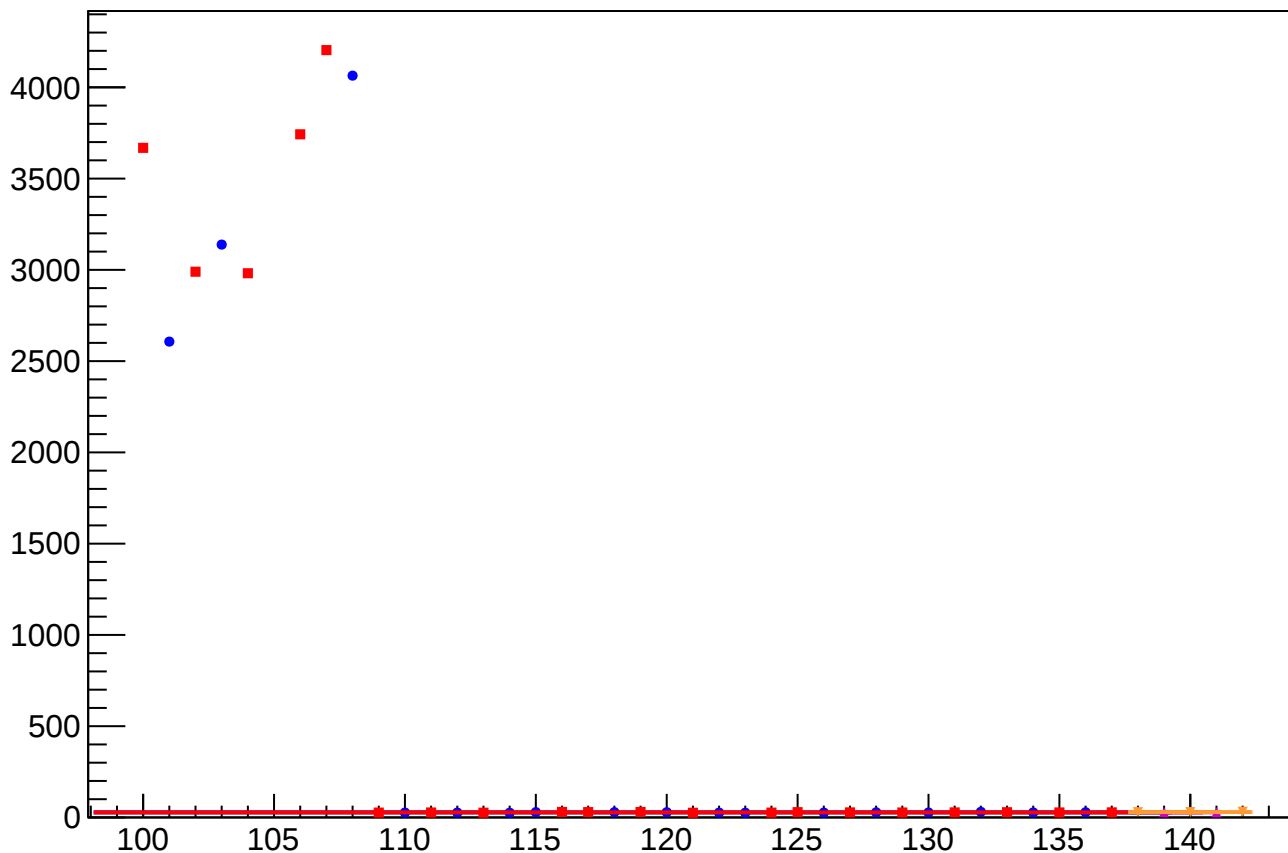
Right Out: -12.573+/-12.182 χ^2/NDF : 24.5/19

Left In: -8.716+/-23.129 χ^2/NDF : 0.2/1

6.252+/-10.567 χ^2/NDF : 24.0/19

-11.736+/-10.778 χ^2/NDF : 24.8/21

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.837+/-0.009 χ^2/NDF : 3026887.2/16

Left Out: 29.558+/-0.015 χ^2/NDF : 3818.6/2

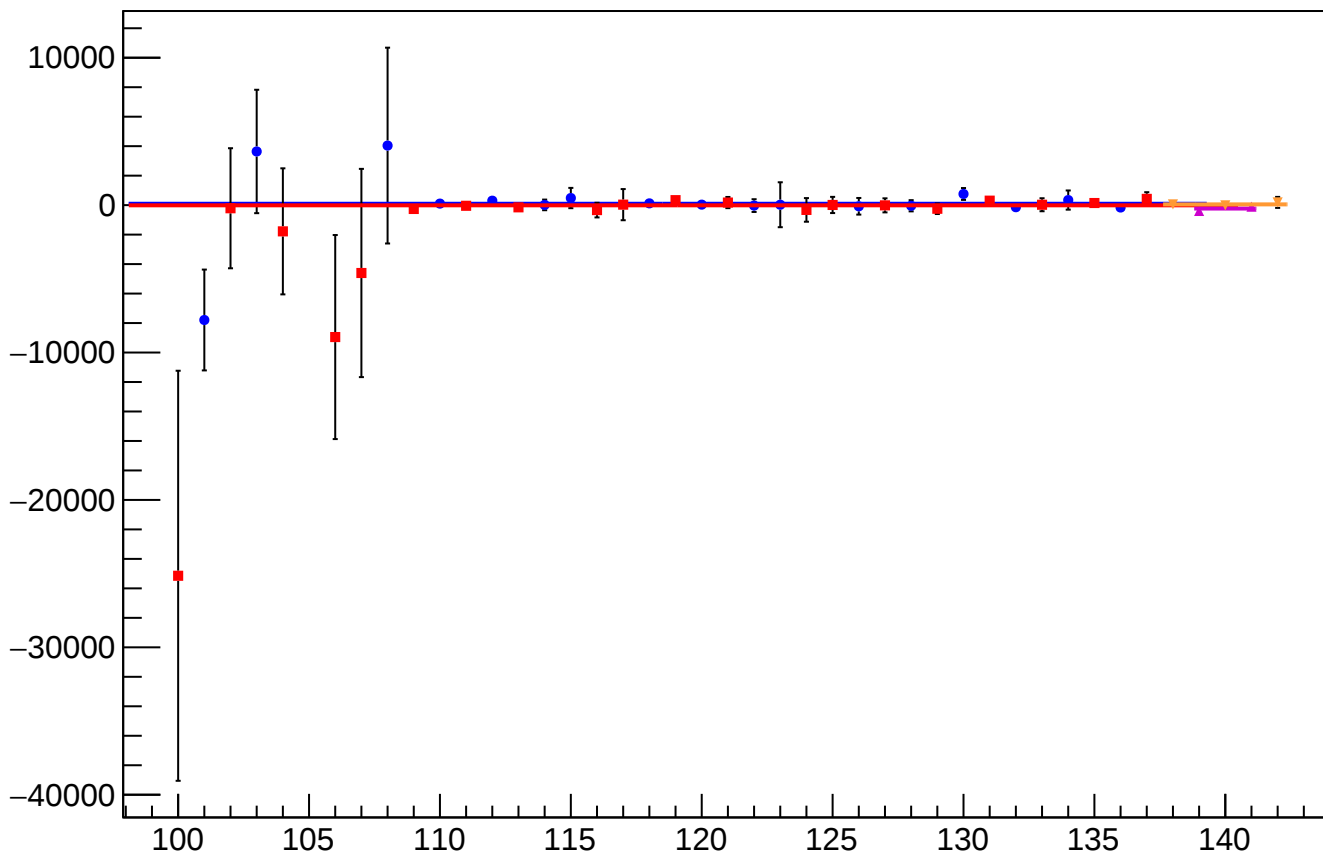
Right Out: 27.706+/-0.009 χ^2/NDF : 3477080.4/19

Left In: 28.502+/-0.016 χ^2/NDF : 365.5/1

28.265+/-0.007 χ^2/NDF : 3040626.0/19

27.879+/-0.008 χ^2/NDF : 3479297.0/21

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 92.840+/-87.359 χ^2/NDF : 12.6/16

Left Out: 50.980+/-164.183 χ^2/NDF : 0.2/2

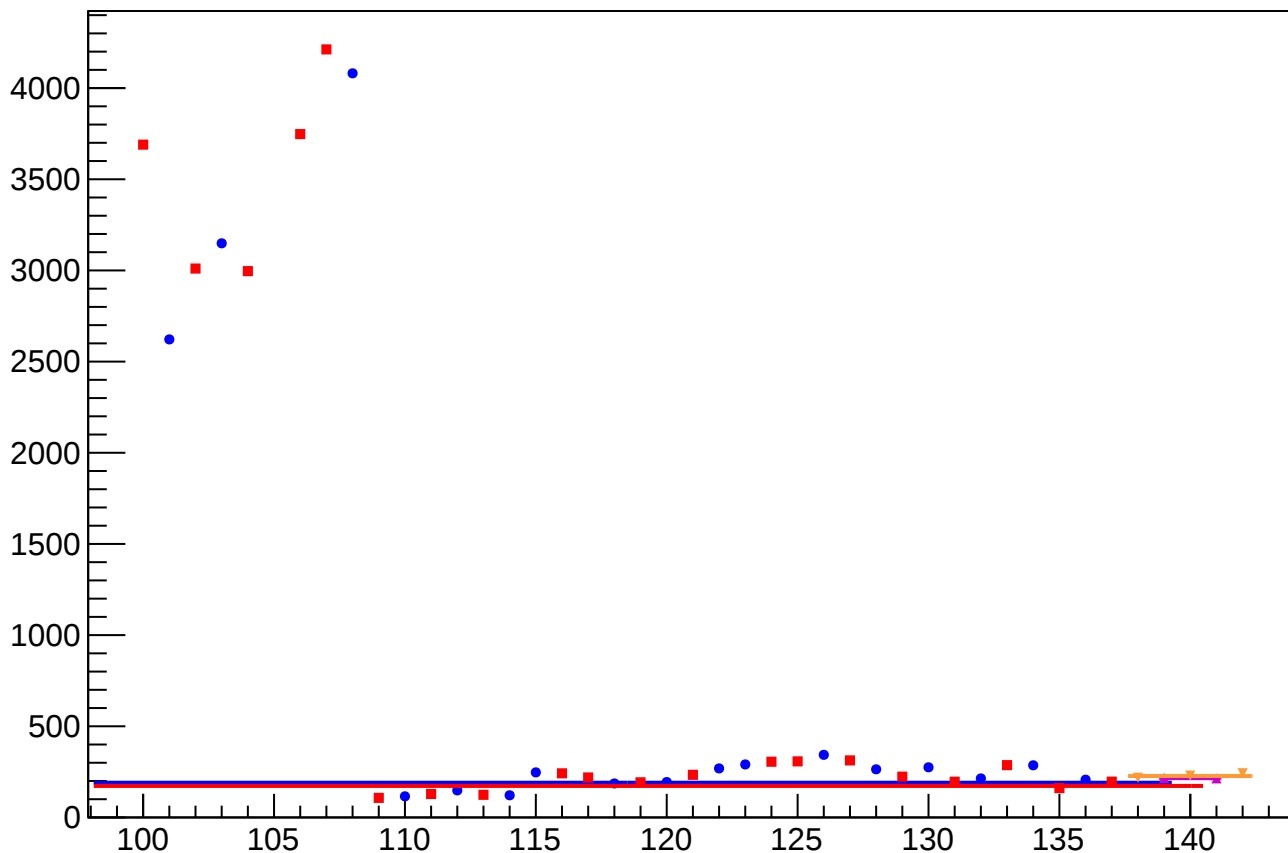
Right Out: -12.509+/-80.407 χ^2/NDF : 12.7/19

Left In: -232.119+/-175.986 χ^2/NDF : 0.7/1

83.604+/-77.121 χ^2/NDF : 12.9/19

-50.436+/-73.135 χ^2/NDF : 14.6/21

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.485+/-0.062 χ^2/NDF : 3583573.2/16

Left Out: 227.197+/-0.116 χ^2/NDF : 6121.9/2

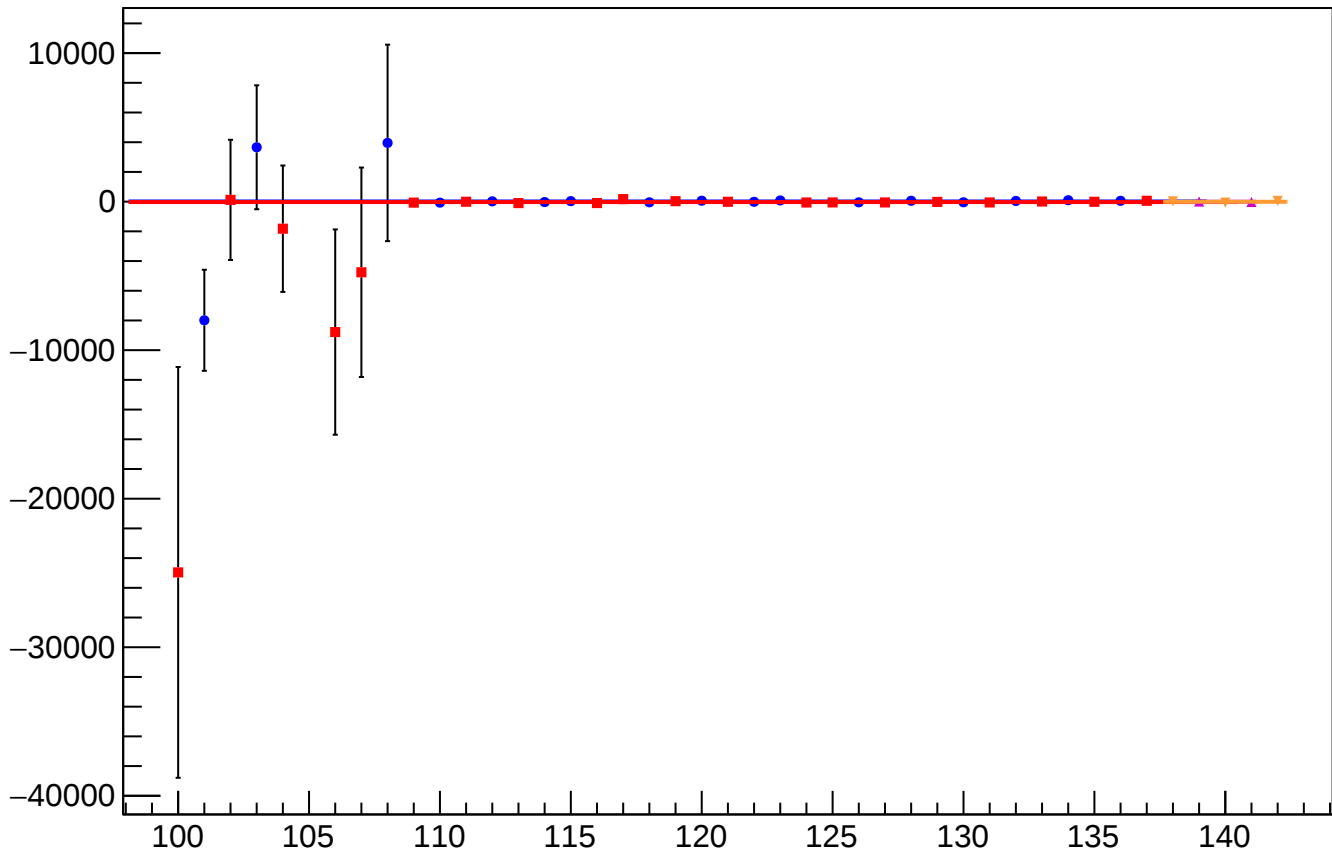
Right Out: 172.872+/-0.057 χ^2/NDF : 422275.2/19

Left In: 215.517+/-0.124 χ^2/NDF : 112.2/1

198.585+/-0.055 χ^2/NDF : 3667625.5/19

180.237+/-0.052 χ^2/NDF : 4319543.0/21

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 9.600 $\pm$ 12.273 χ^2 /NDF: 23.2/16

Left Out: -9.427 $\pm$ 21.297 χ^2 /NDF: 5.1/2

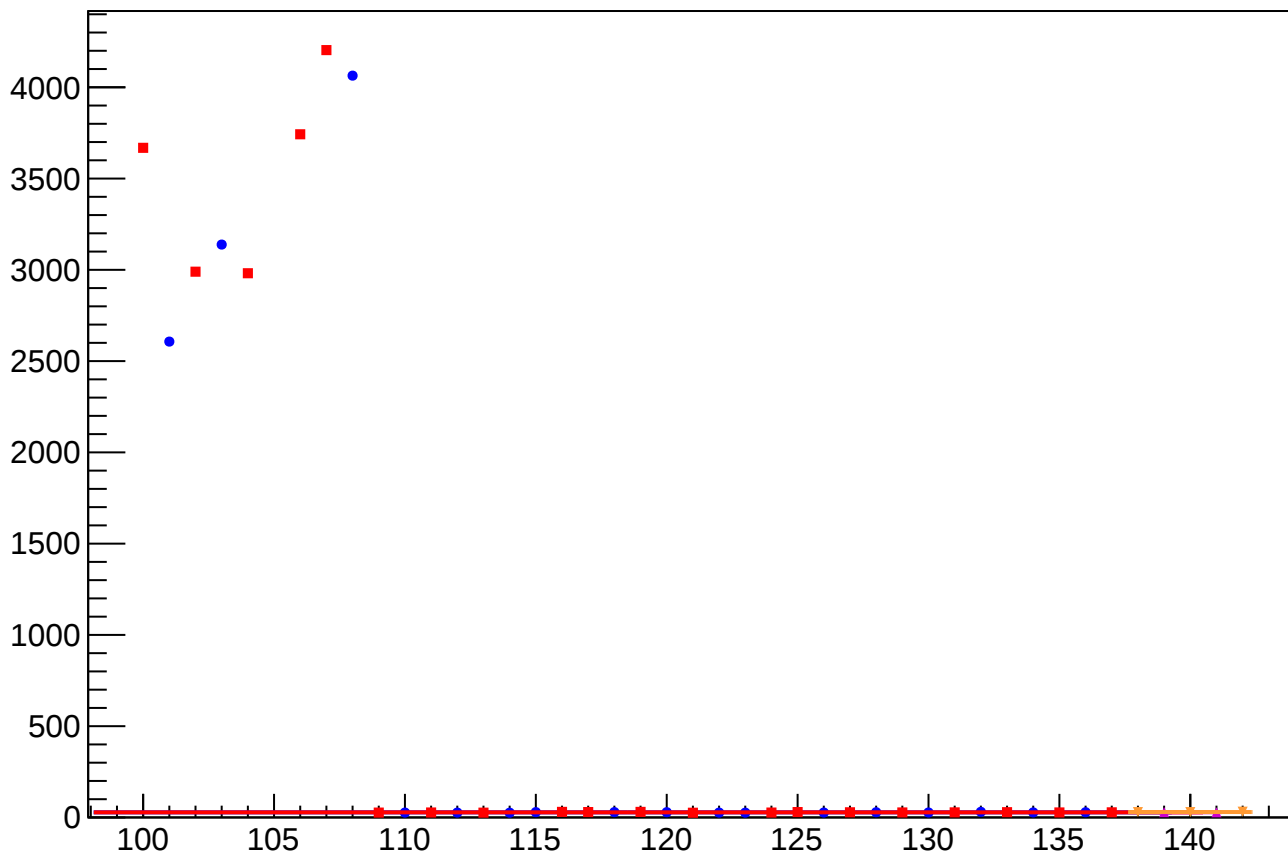
Right Out: -28.128 $\pm$ 12.282 χ^2 /NDF: 18.5/19

Left In: -9.348 $\pm$ 23.204 χ^2 /NDF: 0.4/1

4.857 $\pm$ 10.634 χ^2 /NDF: 29.0/19

-24.018 $\pm$ 10.855 χ^2 /NDF: 19.4/21

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.023+/-0.009 χ^2 /NDF: 3027003.0/16

Left Out: 29.704+/-0.015 χ^2 /NDF:3529.1/2

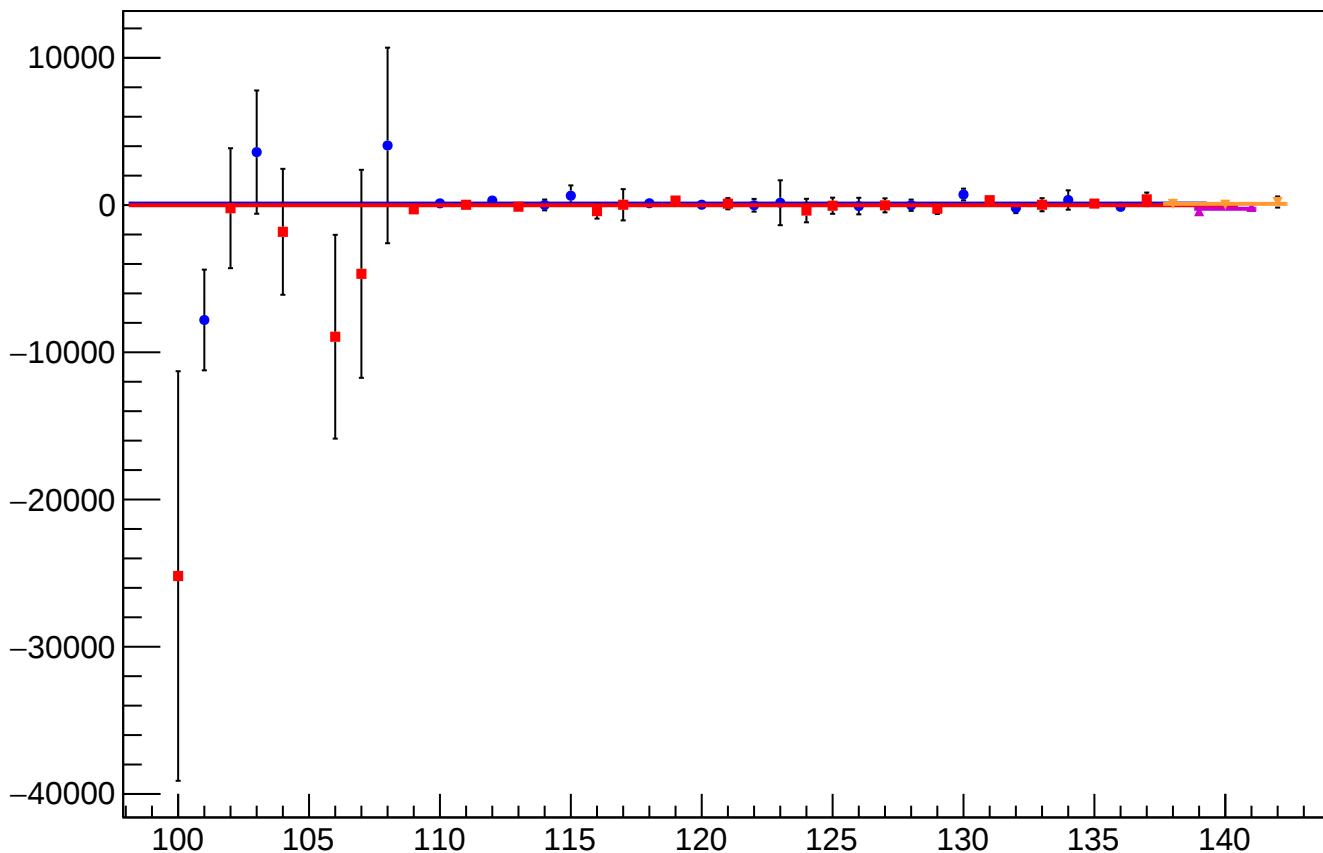
Right Out: 27.929+/-0.009 χ^2 /NDF: 3479867.7/19

Left In: 28.593+/-0.016 χ^2 /NDF:502.0/1

28.442+/-0.008 χ^2 /NDF: 3039886.5/19

28.074+/-0.008 χ^2 /NDF: 3481650.3/21

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 101.772 $\pm$ 88.390 χ^2 /NDF: 12.4/16

Left Out: 83.374 $\pm$ 166.656 χ^2 /NDF:0.2/2

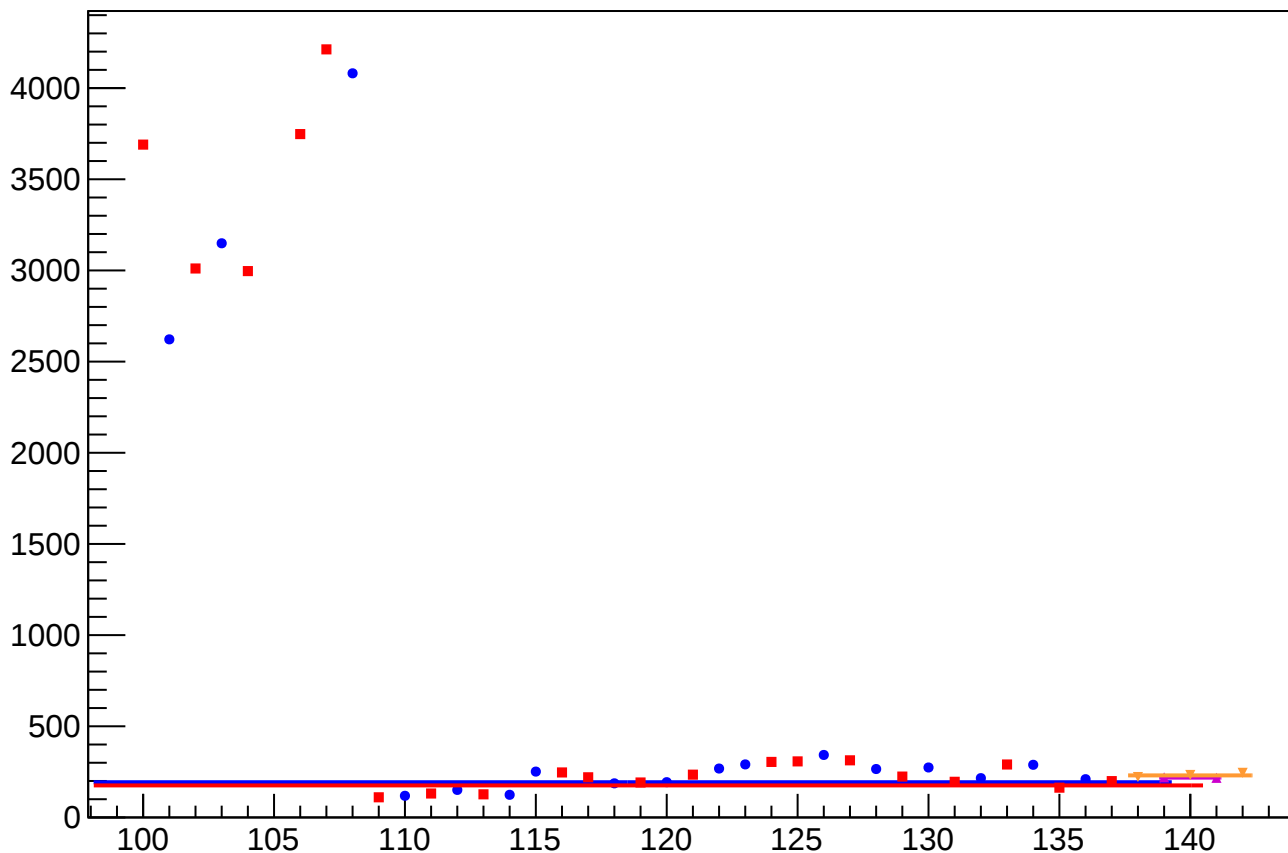
Right Out: -11.037 $\pm$ 81.486 χ^2 /NDF: 12.3/19

Left In: -251.384 $\pm$ 178.366 χ^2 /NDF:0.7/1

97.733 $\pm$ 78.087 χ^2 /NDF: 12.6/19

-52.538 $\pm$ 74.118 χ^2 /NDF: 14.4/21

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.190+/-0.063 χ^2/NDF : 3536123.5/16

Left Out: 230.670+/-0.118 χ^2/NDF : 5336.9/2

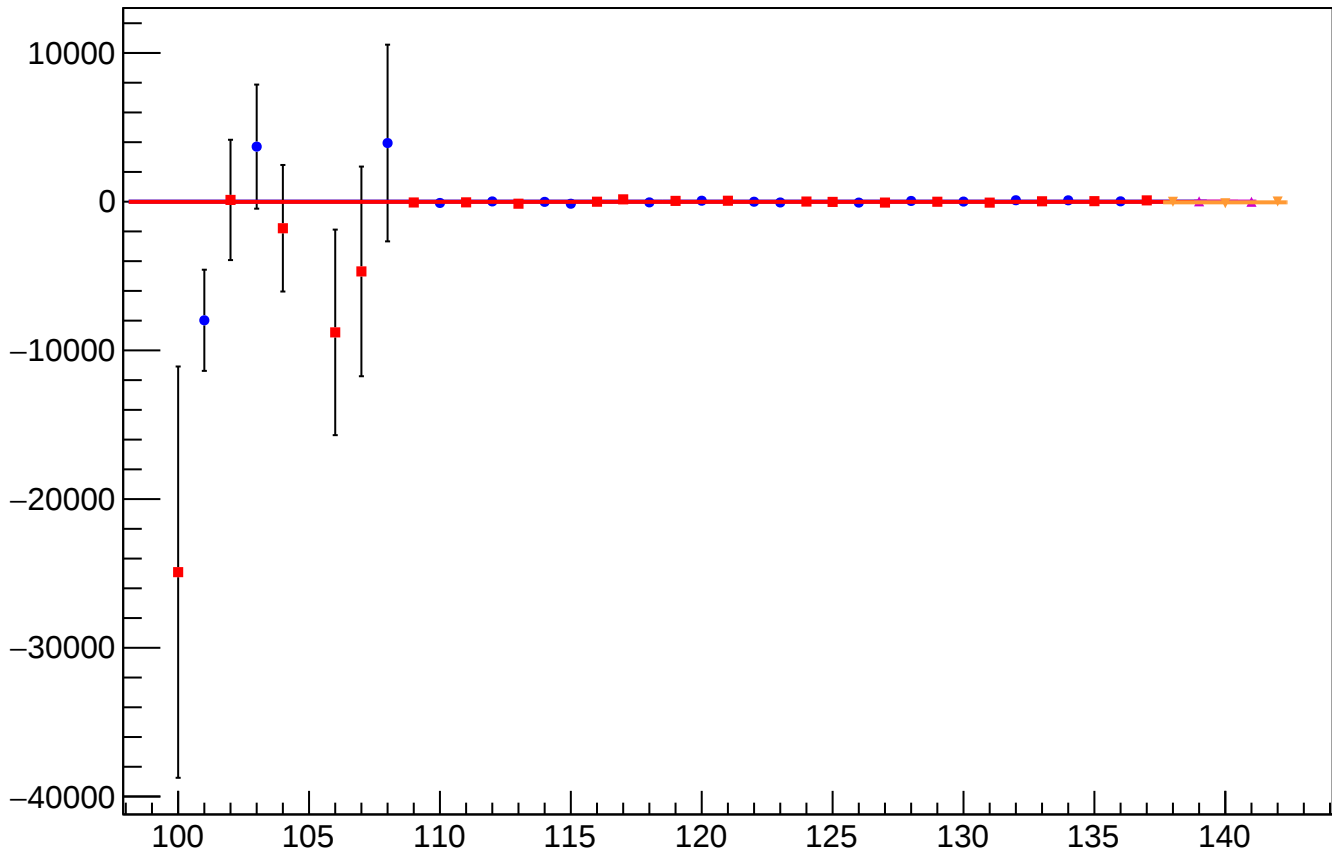
Right Out: 175.749+/-0.058 χ^2/NDF : 4168935.2/19

Left In: 218.461+/-0.126 χ^2/NDF : 105.0/1

201.418+/-0.055 χ^2/NDF : 3620404.9/19

183.125+/-0.052 χ^2/NDF : 4263919.8/21

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.651 ± 14.935 $\chi^2/\text{NDF}: 20.4/16$

Left Out: -44.389 ± 25.666 $\chi^2/\text{NDF}: 4.2/2$

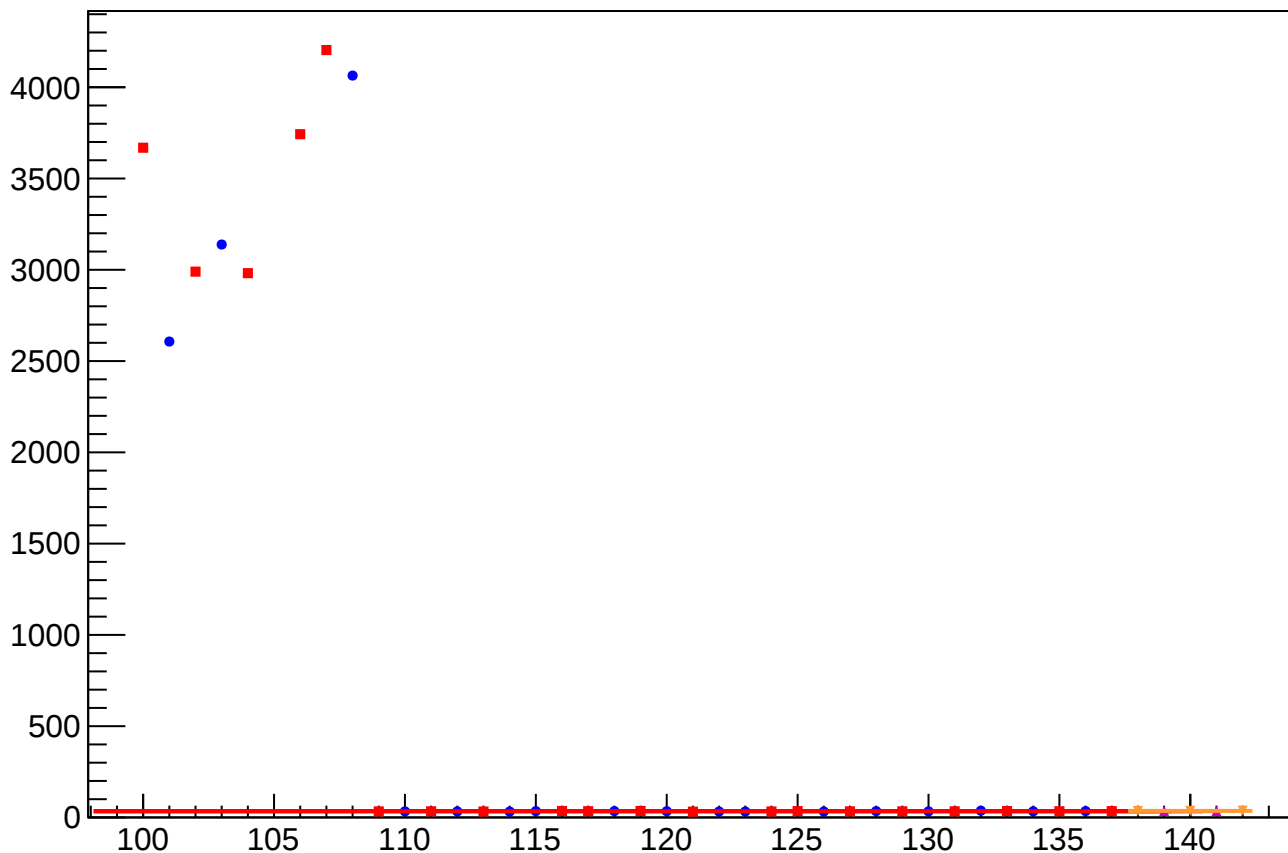
Right Out: -11.101 ± 14.886 $\chi^2/\text{NDF}: 22.7/19$

Left In: 7.990 ± 28.335 $\chi^2/\text{NDF}: 0.3/1$

-7.753 ± 12.909 $\chi^2/\text{NDF}: 27.3/19$

-6.972 ± 13.178 $\chi^2/\text{NDF}: 23.4/21$

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.137+/-0.011 χ^2/NDF : 3006248.0/16

Left Out: 35.853+/-0.018 χ^2/NDF :1433.2/2

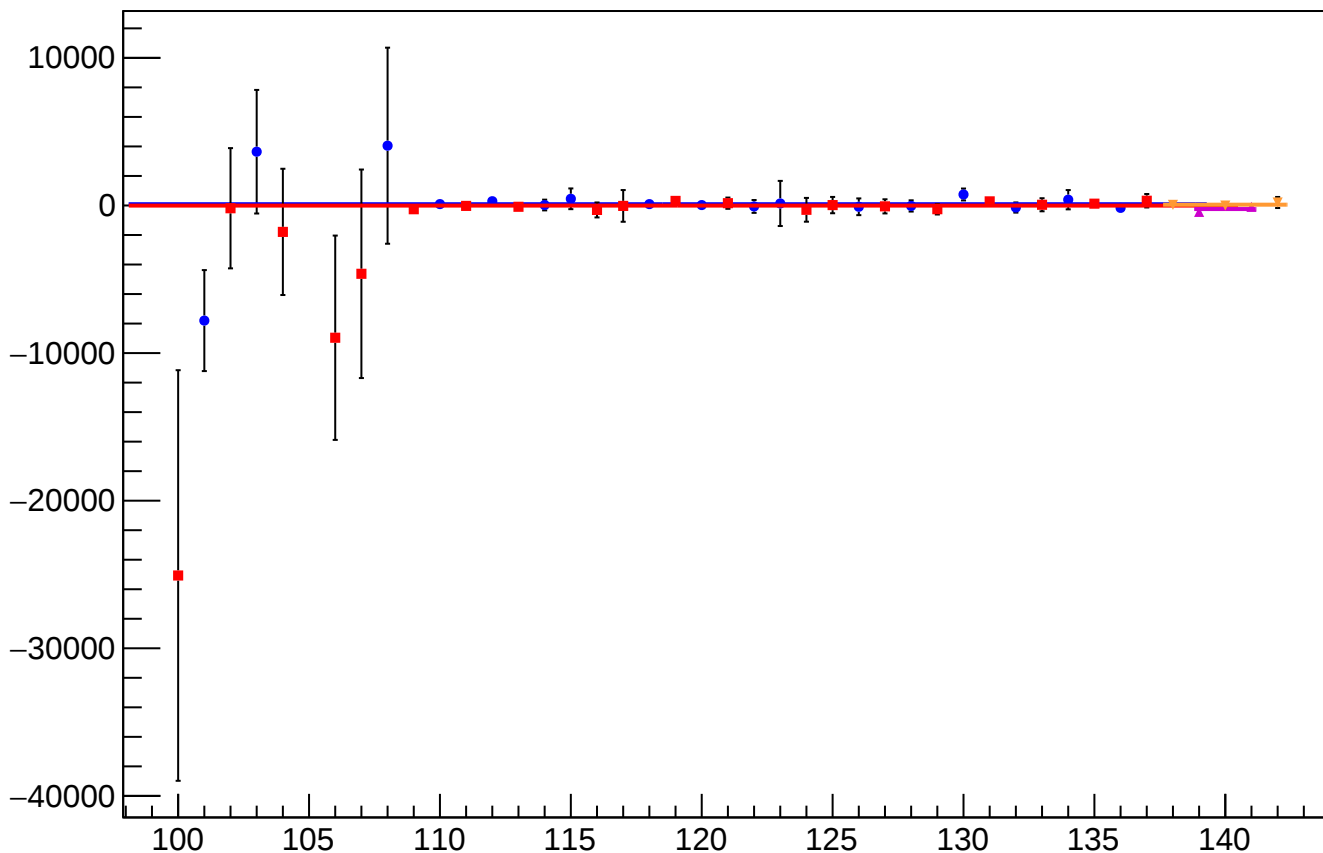
Right Out: 33.915+/-0.011 χ^2/NDF : 3451897.1/19

Left In: 34.945+/-0.020 χ^2/NDF :188.4/1

34.571+/-0.009 χ^2/NDF : 3014359.5/19

34.138+/-0.009 χ^2/NDF : 3454155.7/21

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 86.041+/-87.947 χ^2/NDF : 12.4/16

Left Out: 54.689+/-165.048 χ^2/NDF : 0.2/2

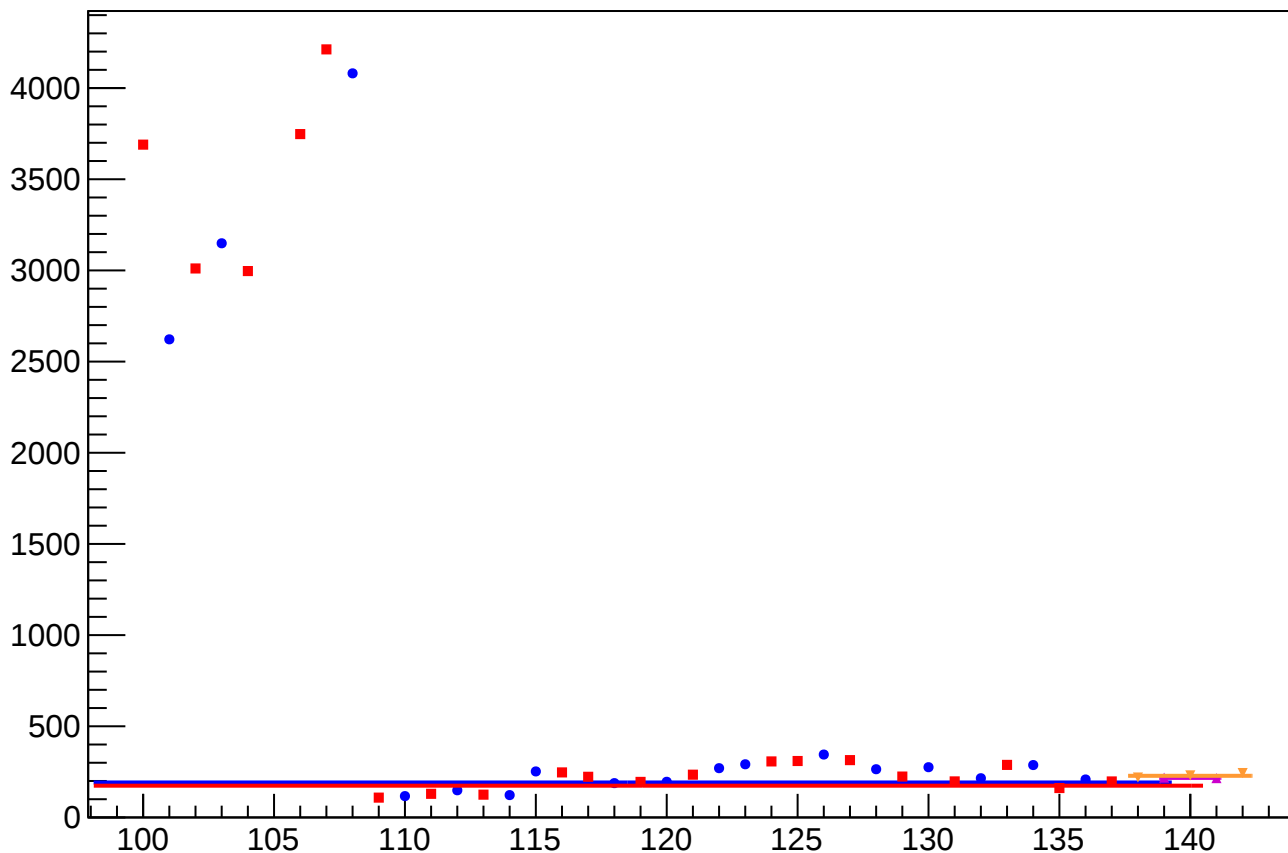
Right Out: -7.420+/-80.977 χ^2/NDF : 11.1/19

Left In: -241.584+/-177.047 χ^2/NDF : 0.9/1

79.107+/-77.616 χ^2/NDF : 12.6/19

-47.931+/-73.640 χ^2/NDF : 13.4/21

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 191.880+/-0.062 χ^2/NDF : 3573060.2/16

Left Out: 228.396+/-0.117 χ^2/NDF : 6121.4/2

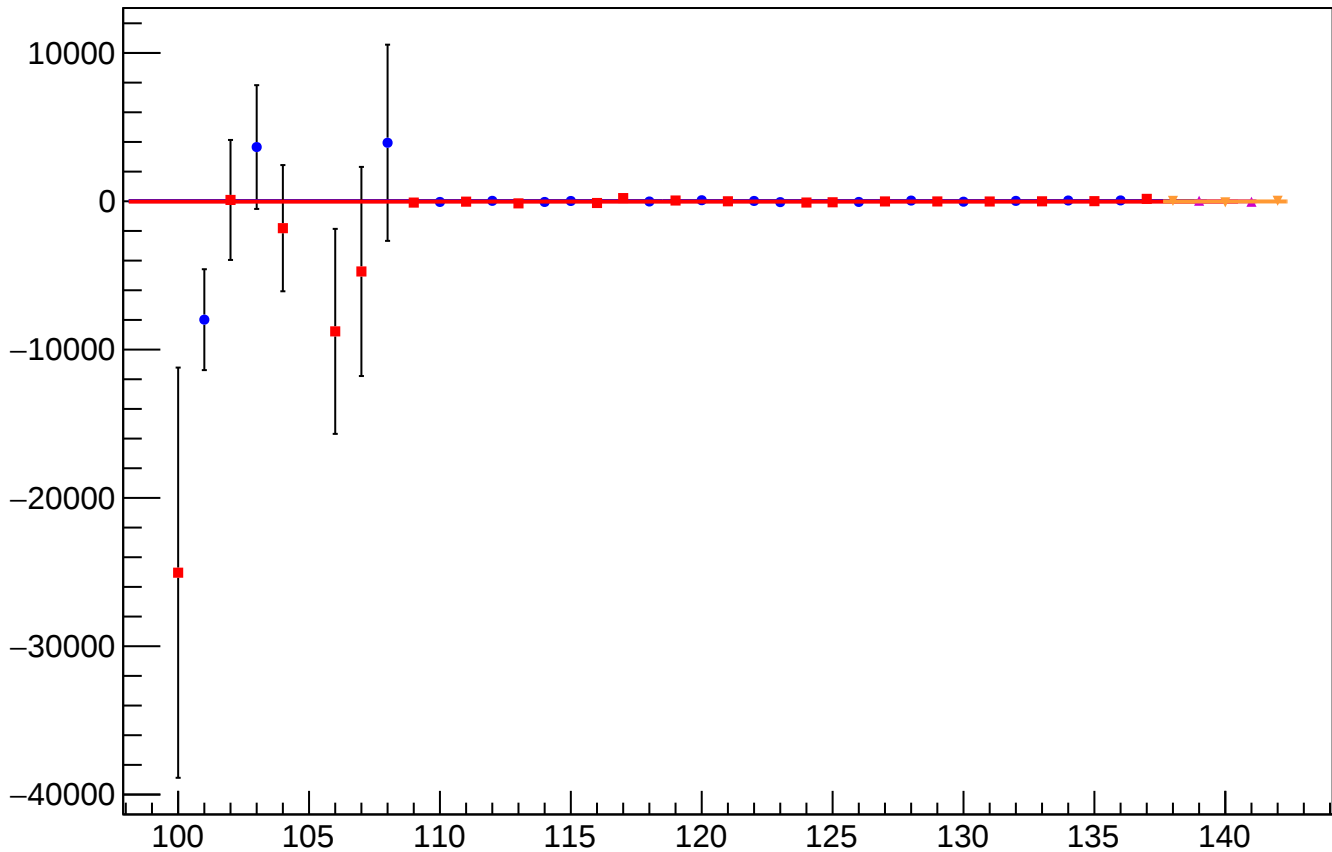
Right Out: 174.207+/-0.057 χ^2/NDF : 4215538.3/19

Left In: 216.823+/-0.125 χ^2/NDF : 100.0/1

199.955+/-0.055 χ^2/NDF : 3655427.6/19

181.579+/-0.052 χ^2/NDF : 4311468.9/21

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 14.121+/-13.618 χ^2/NDF : 15.2/16

Left Out: -12.371+/-23.224 χ^2/NDF : 4.6/2

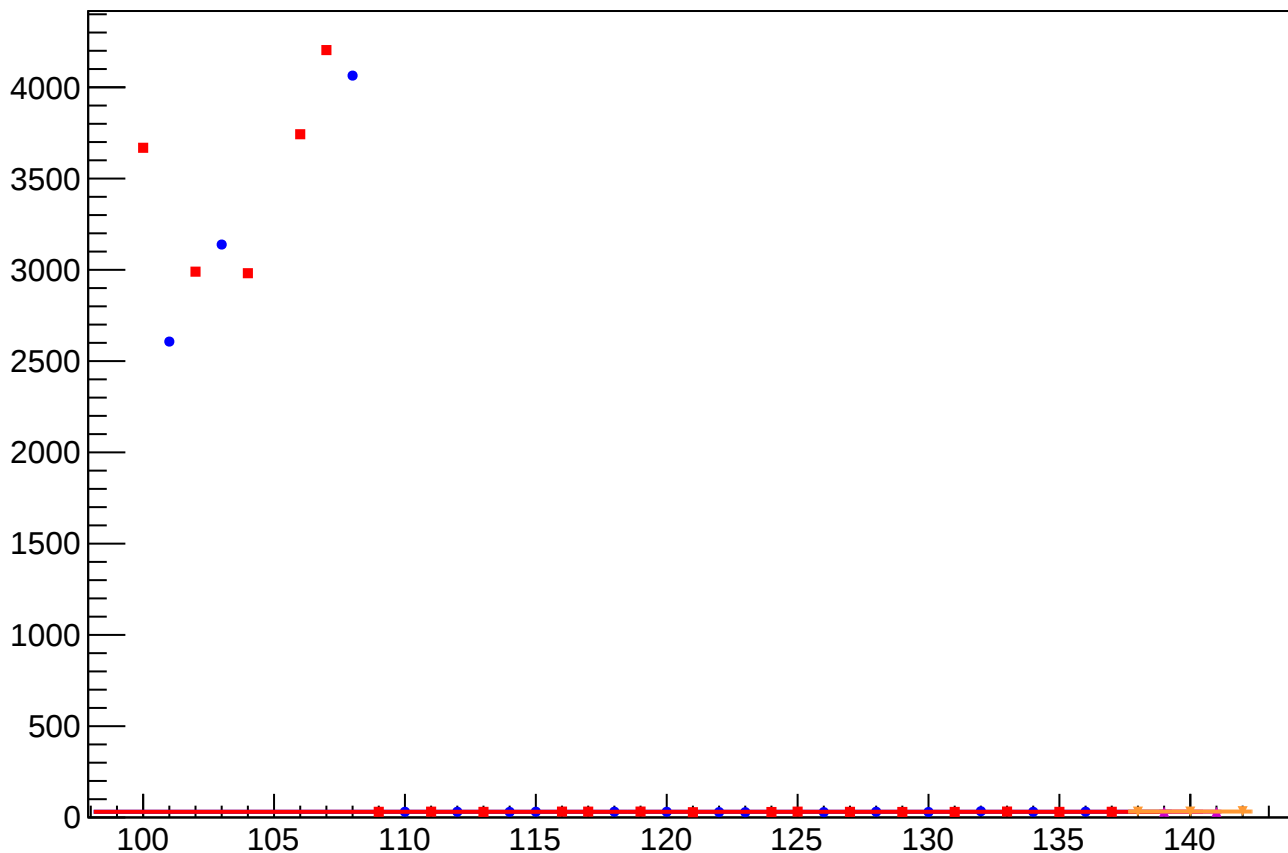
Right Out: -21.490+/-13.601 χ^2/NDF : 29.9/19

Left In: -1.835+/-25.471 χ^2/NDF : 1.8/1

7.343+/-11.747 χ^2/NDF : 20.8/19

-17.129+/-11.998 χ^2/NDF : 32.2/21

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



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

Left Out: 32.414+/-0.016 χ^2/NDF :3130.3/2

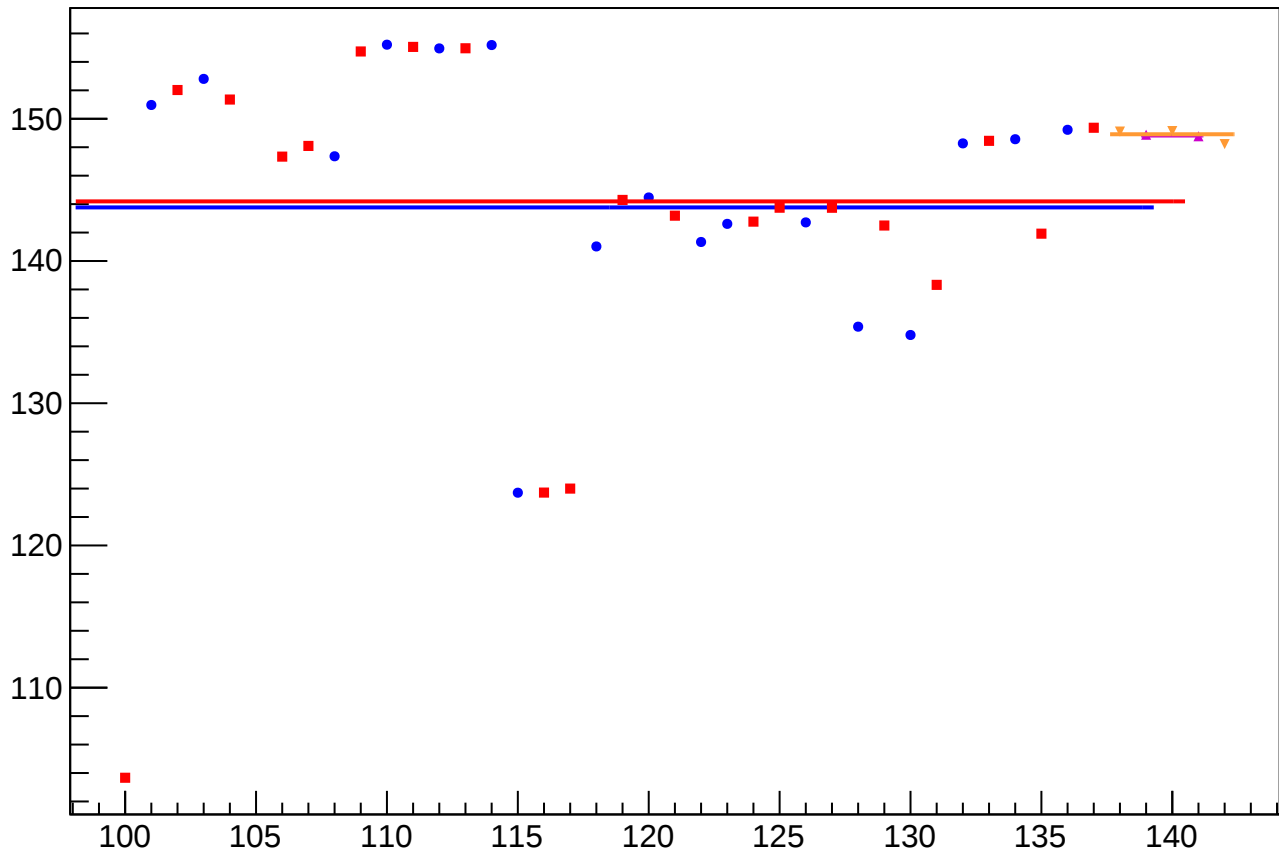
Right Out: 30.970+/-0.010 χ^2/NDF : 3459018.8/19

Left In: 31.406+/-0.018 χ^2/NDF :268.8/1

31.456+/-0.008 χ^2/NDF : 3022127.4/19

31.067+/-0.008 χ^2/NDF : 3459743.2/21

yield_bcm_an_ds_mean vs Slug



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

Left Out: 148.912 ± 0.000 χ^2/NDF : 2835041.6/2

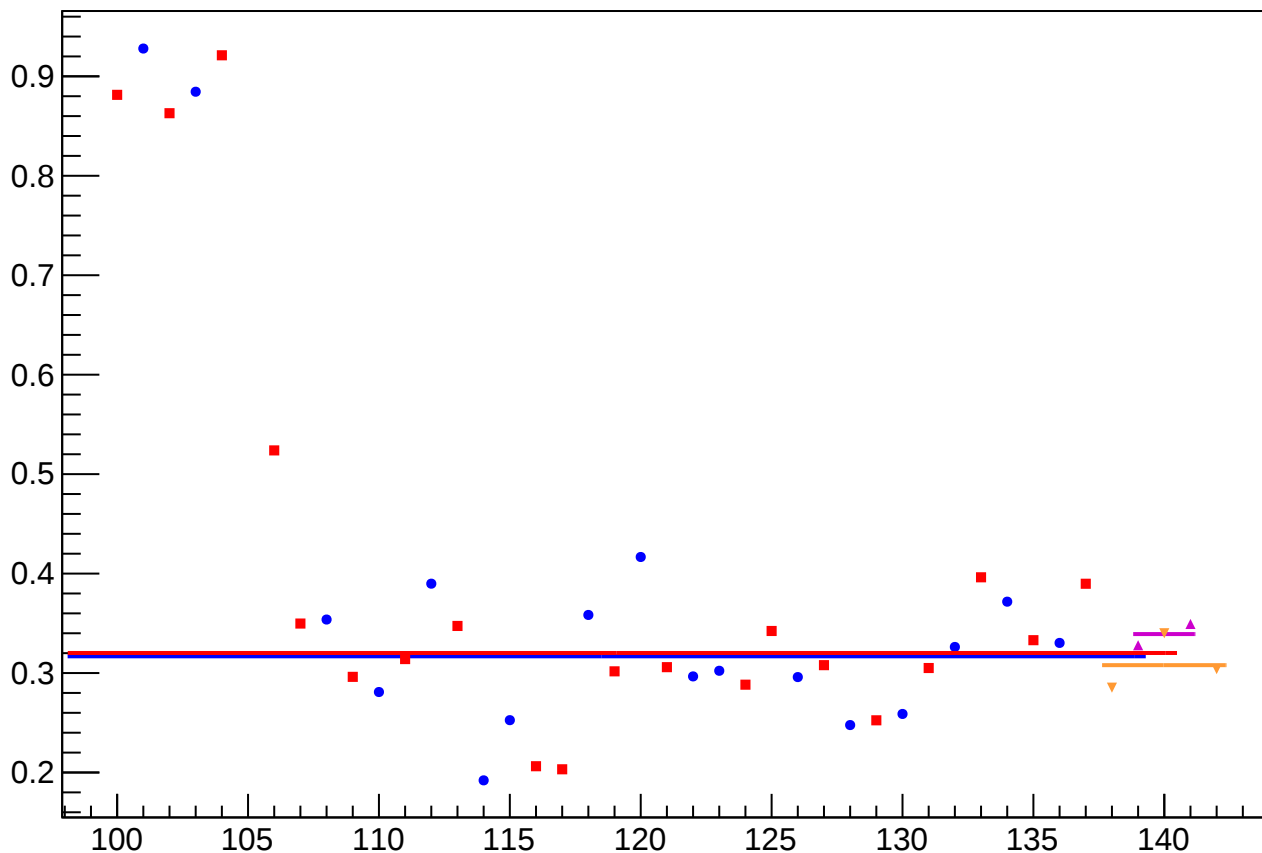
Right Out: 144.192 ± 0.000 χ^2/NDF : 4524049993.1/19

Left In: 148.823 ± 0.000 χ^2/NDF : 38080.7/1

145.131 ± 0.000 χ^2/NDF : 3925075692.7/19

145.039 ± 0.000 χ^2/NDF : 4749239711.2/21

yield_bcm_an_ds_rms vs Slug



Right In: 0.317+/-0.000 χ^2/NDF : 1278613.2/16

Left Out: 0.308+/-0.000 χ^2/NDF : 22988.8/2

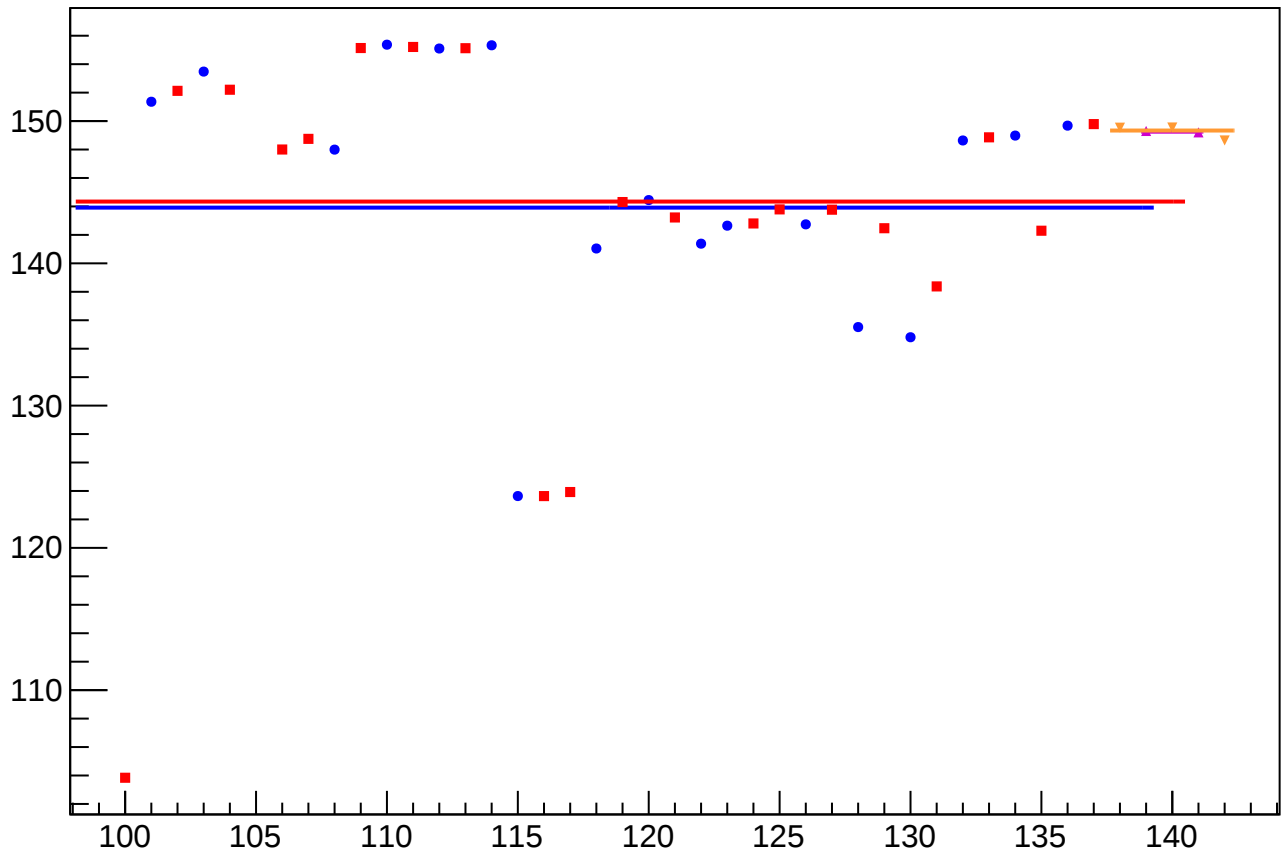
Right Out: 0.320+/-0.000 χ^2/NDF : 1240600.2/19

Left In: 0.339+/-0.000 χ^2/NDF : 2936.9/1

0.314+/-0.000 χ^2/NDF : 1303935.6/19

0.324+/-0.000 χ^2/NDF : 1251127.8/21

yield_bcm_an_ds3_mean vs Slug



Right In: 143.917 $\pm$ 0.000 χ^2 /NDF: 3584662767.5/16

Left Out: 149.335 $\pm$ 0.000 χ^2 /NDF: 2832143.4/2

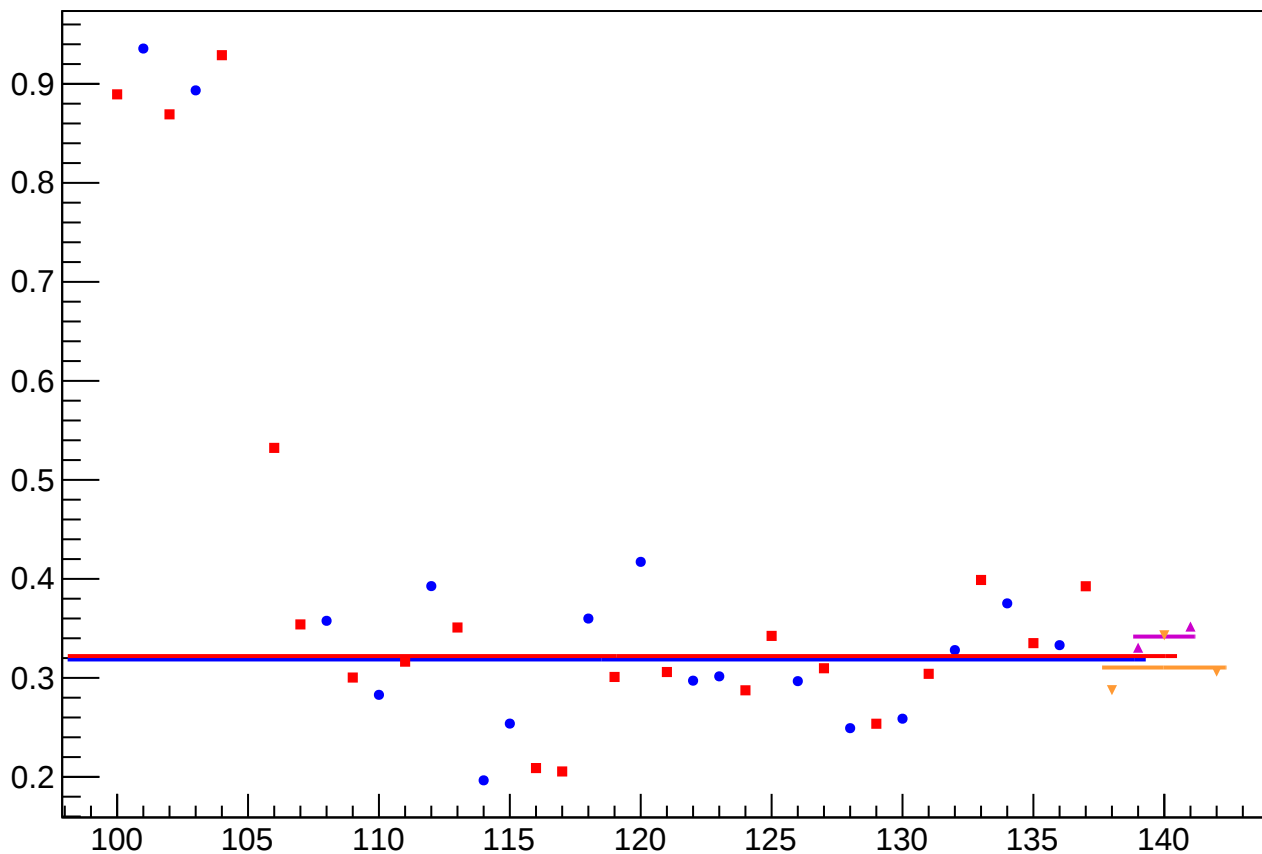
145.347 $\pm$ 0.000 χ^2 /NDF: 4013903264.1/19

Right Out: 144.342 $\pm$ 0.000 χ^2 /NDF: 4551365931.0/19

145.238 $\pm$ 0.000 χ^2 /NDF: 4800950845.7/21

Left In: 149.253 $\pm$ 0.000 χ^2 /NDF: 30350.8/1

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 ± 0.000 χ^2/NDF : 1280748.9/16

Left Out: 0.310 ± 0.000 χ^2/NDF : 23220.9/2

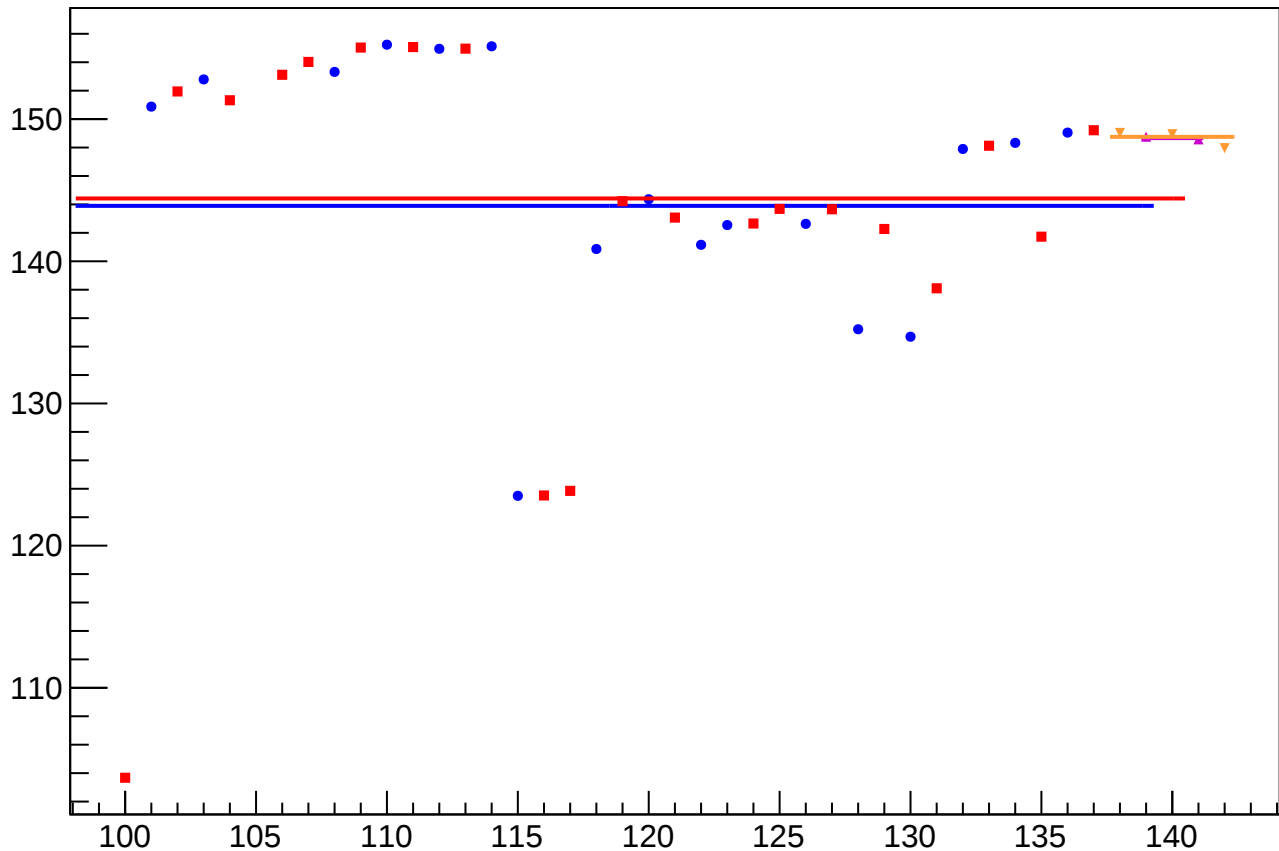
Right Out: 0.322 ± 0.000 χ^2/NDF : 1243109.0/19

Left In: 0.342 ± 0.000 χ^2/NDF : 2875.4/1

0.316 ± 0.000 χ^2/NDF : 1305894.7/19

0.326 ± 0.000 χ^2/NDF : 1254017.6/21

yield_bcm_an_us_mean vs Slug



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

Left Out: 148.752 ± 0.000 χ^2/NDF : 3744612.1/2

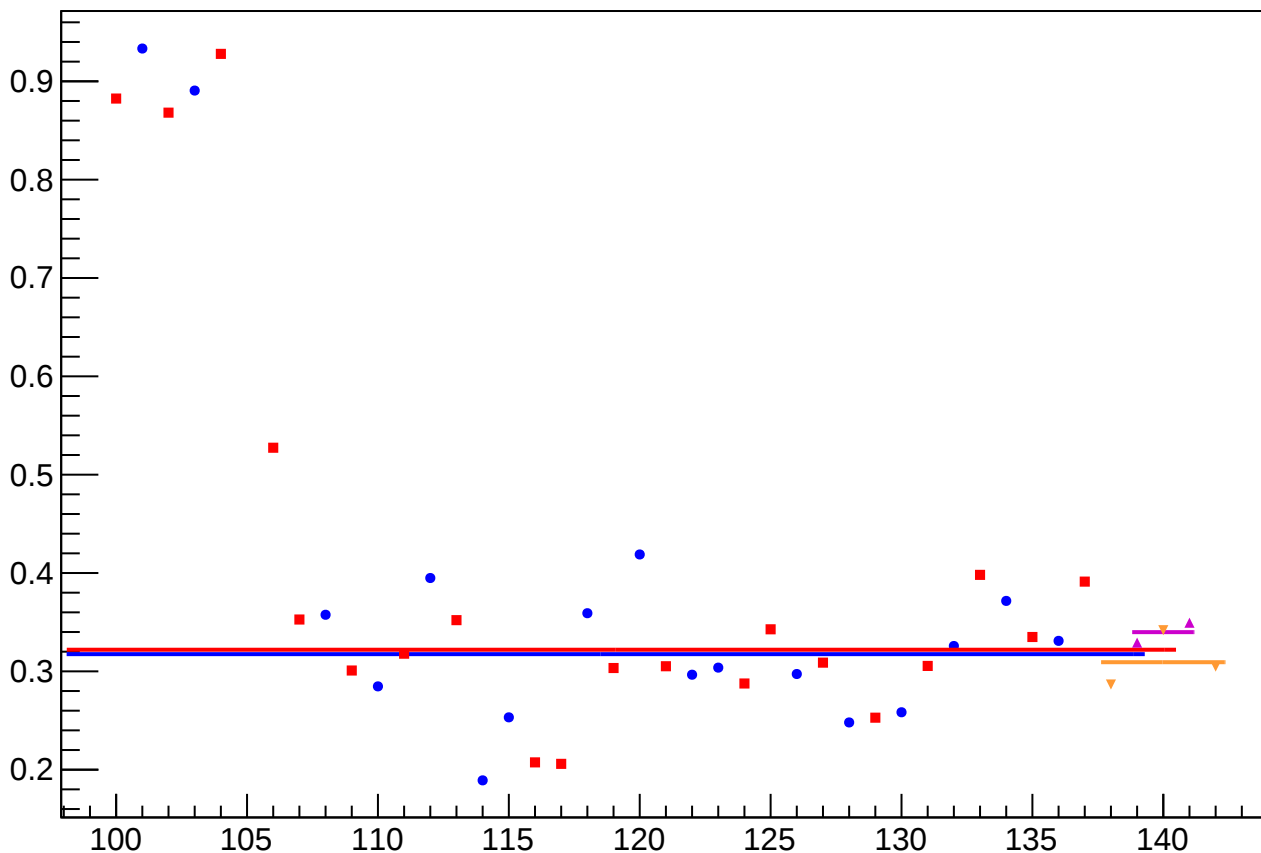
Right Out: 144.419 ± 0.000 χ^2/NDF : 4820290476.6/19

Left In: 148.665 ± 0.000 χ^2/NDF : 109006.2/1

145.181 ± 0.000 χ^2/NDF : 4098036299.7/19

145.200 ± 0.000 χ^2/NDF : 5008657907.6/21

yield_bcm_an_us_rms vs Slug



Right In: 0.317+/-0.000 χ^2/NDF : 1293179.2/16

Left Out: 0.309+/-0.000 χ^2/NDF : 23220.0/2

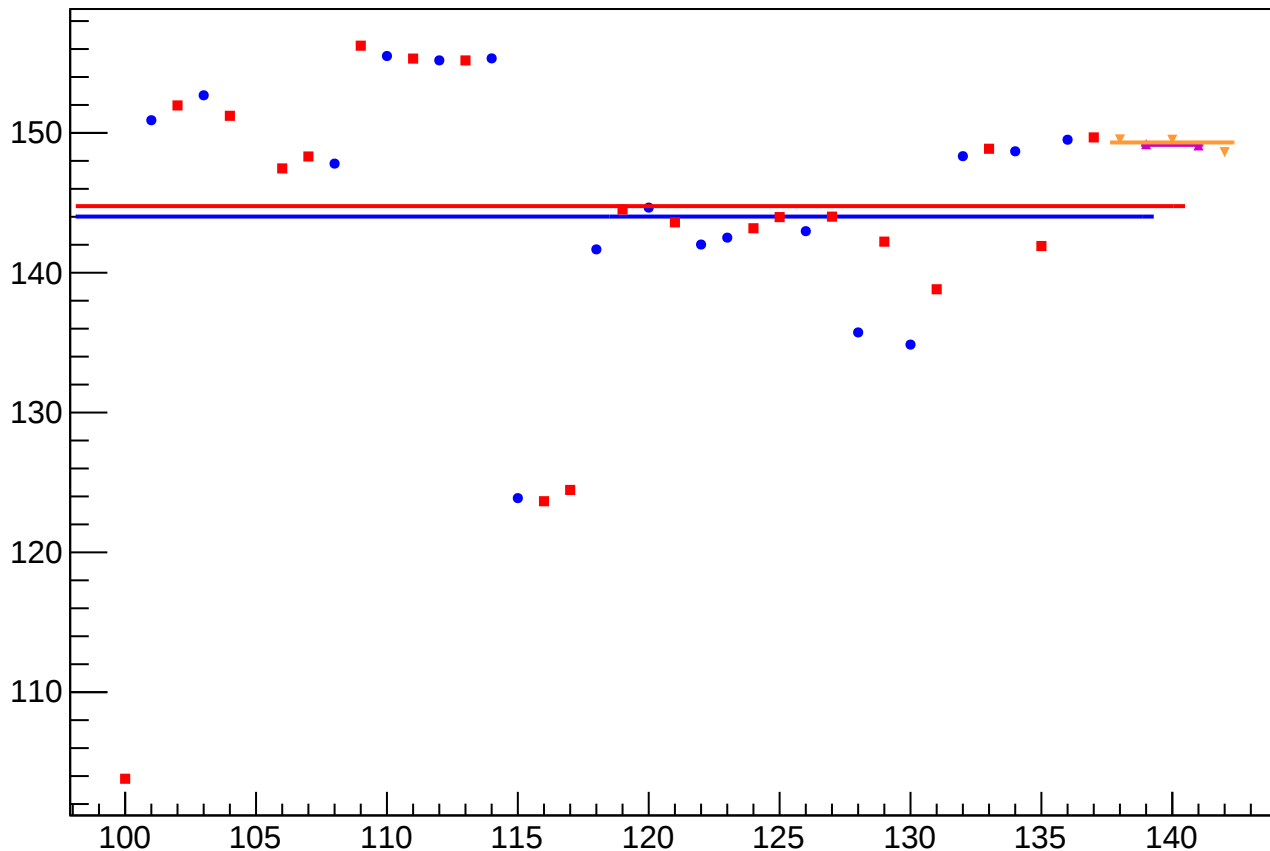
Right Out: 0.322+/-0.000 χ^2/NDF : 1243703.4/19

Left In: 0.340+/-0.000 χ^2/NDF : 2617.0/1

0.315+/-0.000 χ^2/NDF : 1318359.8/19

0.325+/-0.000 χ^2/NDF : 1252996.8/21

yield_bcm_dg_us_mean vs Slug



Right In: 144.018 ± 0.000 χ^2/NDF : 3238525527.6/16

Left Out: 149.318 ± 0.000 χ^2/NDF : 2468161.2/2

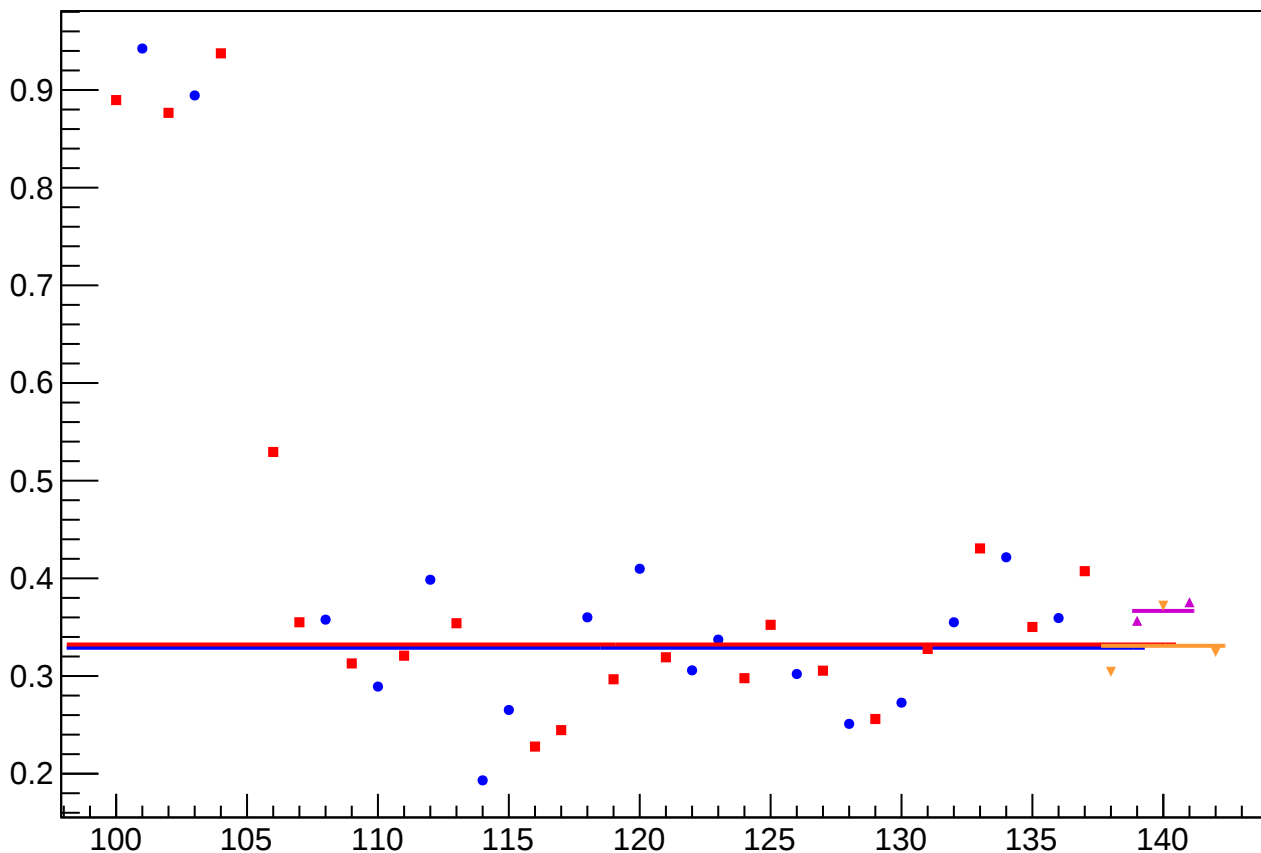
Right Out: 144.764 ± 0.000 χ^2/NDF : 4098462011.9/19

Left In: 149.147 ± 0.000 χ^2/NDF : 18931.3/1

145.337 ± 0.000 χ^2/NDF : 3600447279.3/19

145.508 ± 0.000 χ^2/NDF : 4272524483.5/21

yield_bcm_dg_us_rms vs Slug



Right In: 0.329+/-0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.331+/-0.000 χ^2/NDF : 29671.7/2

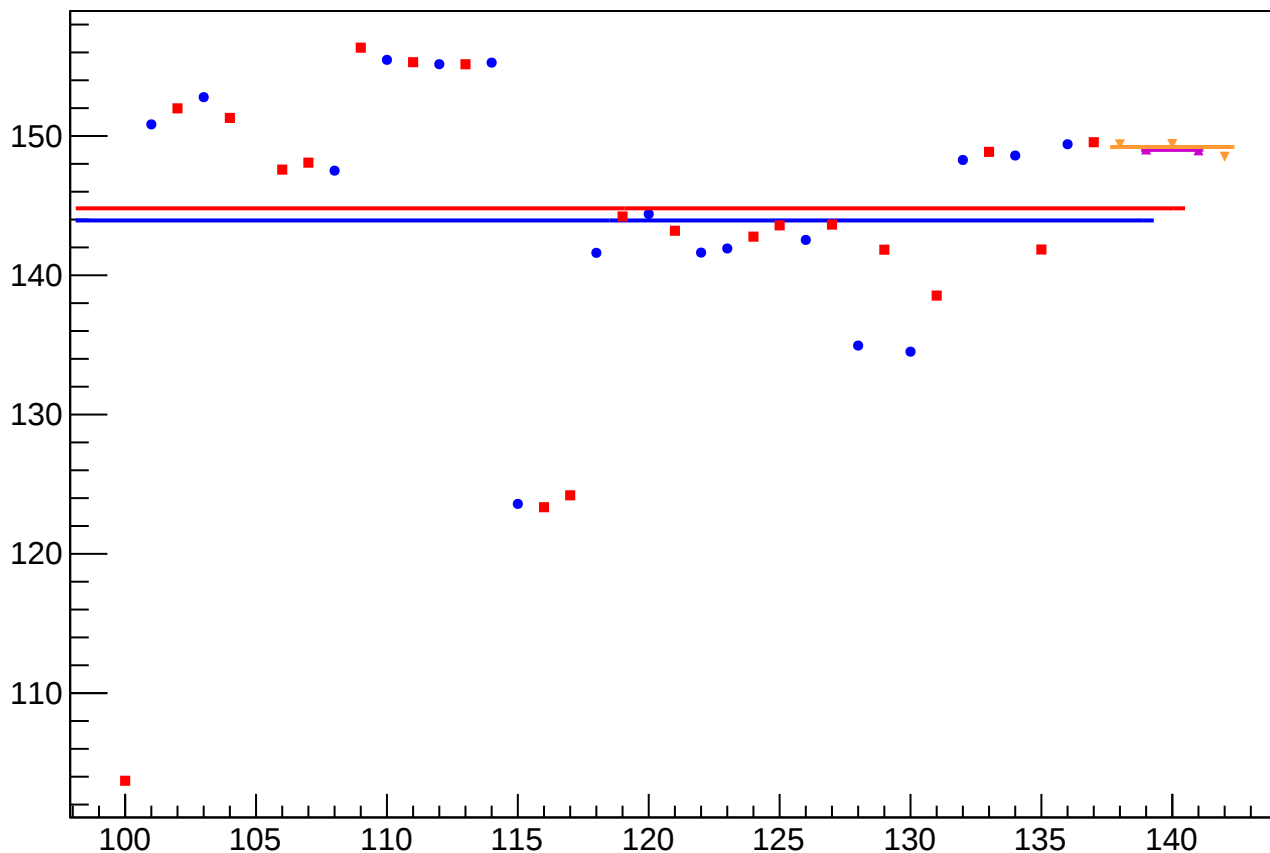
Right Out: 0.332+/-0.000 χ^2/NDF : 1191637.2/19

Left In: 0.367+/-0.000 χ^2/NDF : 1962.8/1

0.329+/-0.000 χ^2/NDF : 1305889.8/19

0.338+/-0.000 χ^2/NDF : 1215000.6/21

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 $\pm$ 0.000 χ^2/NDF : 3379203532.9/16

Left Out: 149.211 $\pm$ 0.000 χ^2/NDF : 2357452.4/2

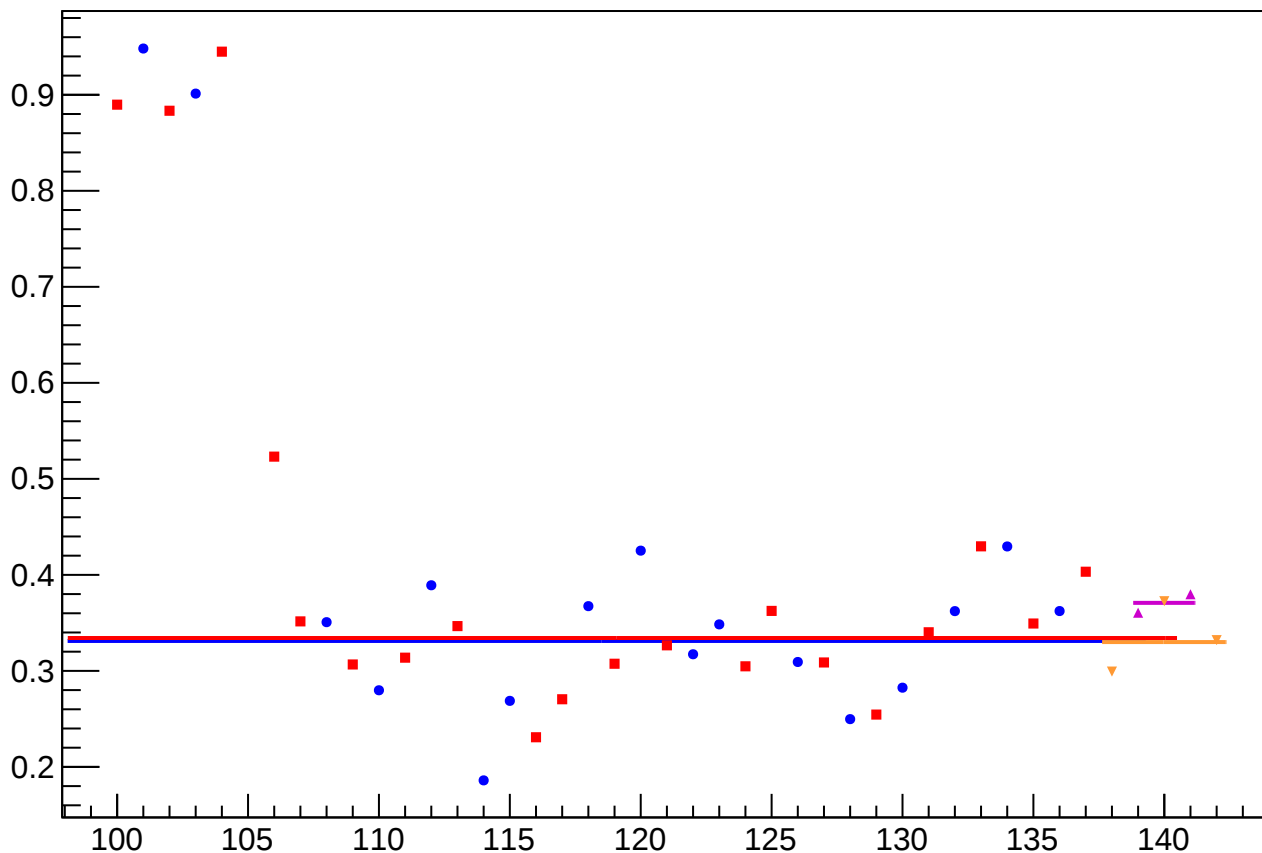
Right Out: 144.806 $\pm$ 0.000 χ^2/NDF : 4139087143.3/19

Left In: 149.002 $\pm$ 0.000 χ^2/NDF : 9905.0/1

145.265 $\pm$ 0.000 χ^2/NDF : 3735250043.7/19

145.510 $\pm$ 0.000 χ^2/NDF : 4294642426.6/21

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331+/-0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.330+/-0.000 χ^2/NDF : 34526.6/2

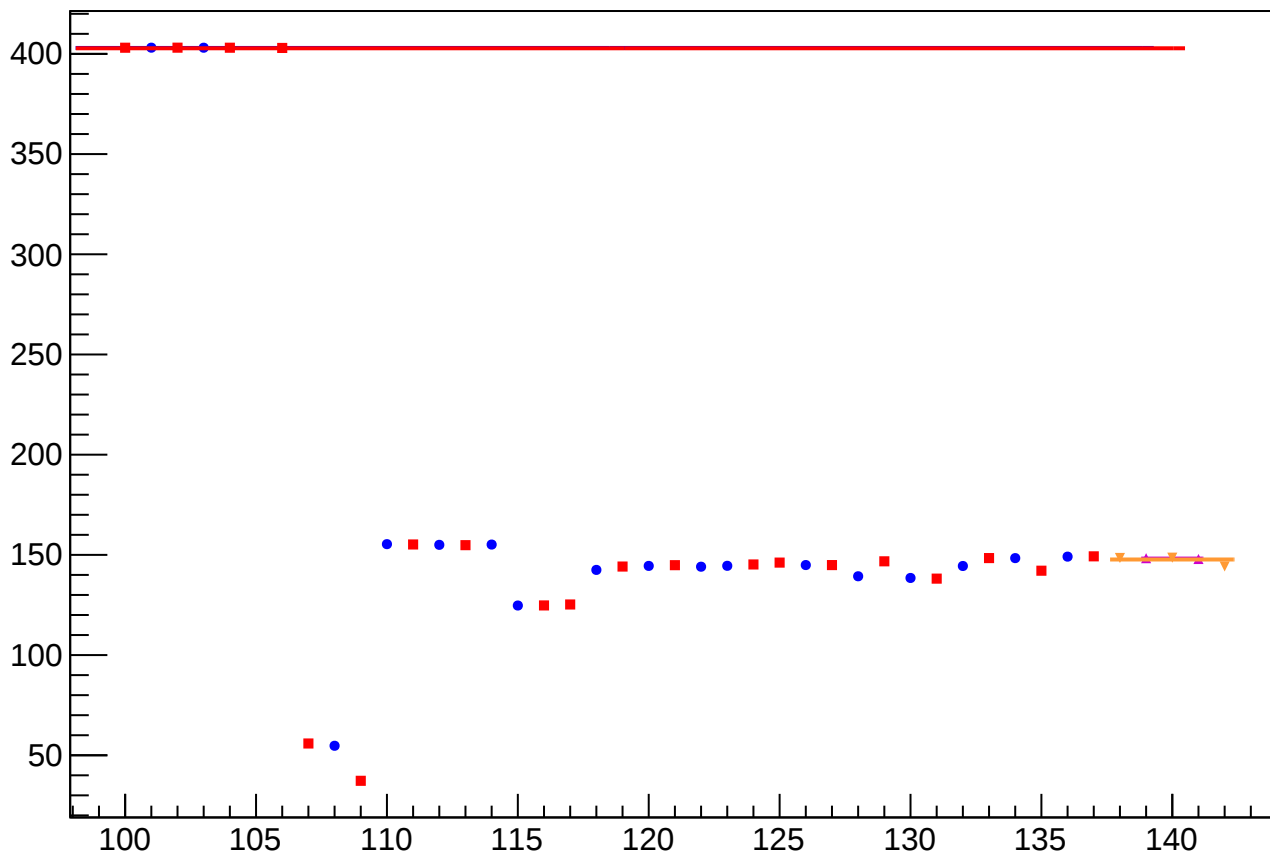
Right Out: 0.334+/-0.000 χ^2/NDF : 1176170.4/19

Left In: 0.371+/-0.000 χ^2/NDF : 1951.5/1

0.331+/-0.000 χ^2/NDF : 1330309.4/19

0.340+/-0.000 χ^2/NDF : 1201788.3/21

yield_cav4bQ_mean vs Slug



Right In: 402.957+/-0.000 χ^2/NDF : 1096710296821.6/16

Left Out: 147.697+/-0.001 χ^2/NDF : 10981146.4/2

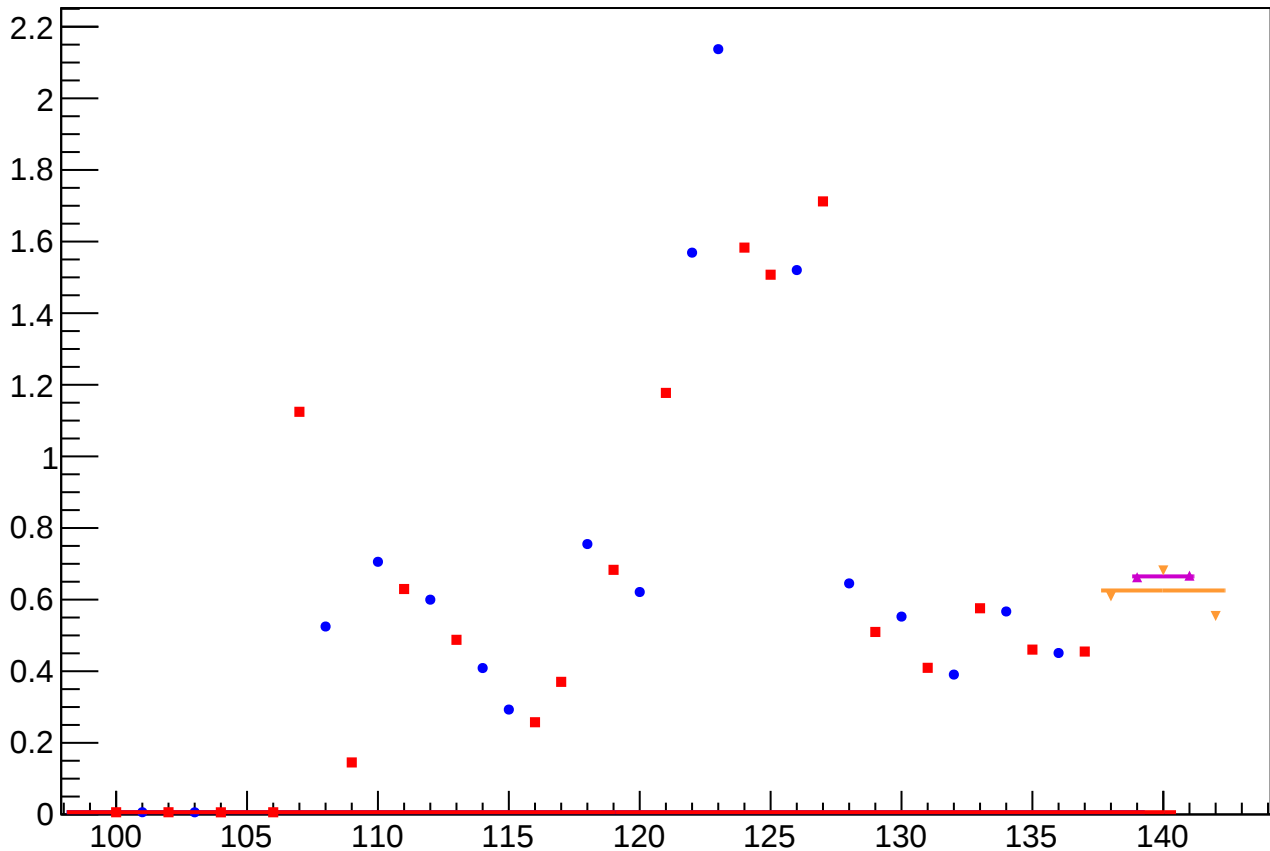
Right Out: 402.797+/-0.000 χ^2/NDF : 3122752044607.2/19

Left In: 148.145+/-0.001 χ^2/NDF : 113756.6/1

402.926+/-0.000 χ^2/NDF : 1343778047474.5/19

402.776+/-0.000 χ^2/NDF : 3303784856667.3/21

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.626+/-0.000 χ^2/NDF :17188.3/2

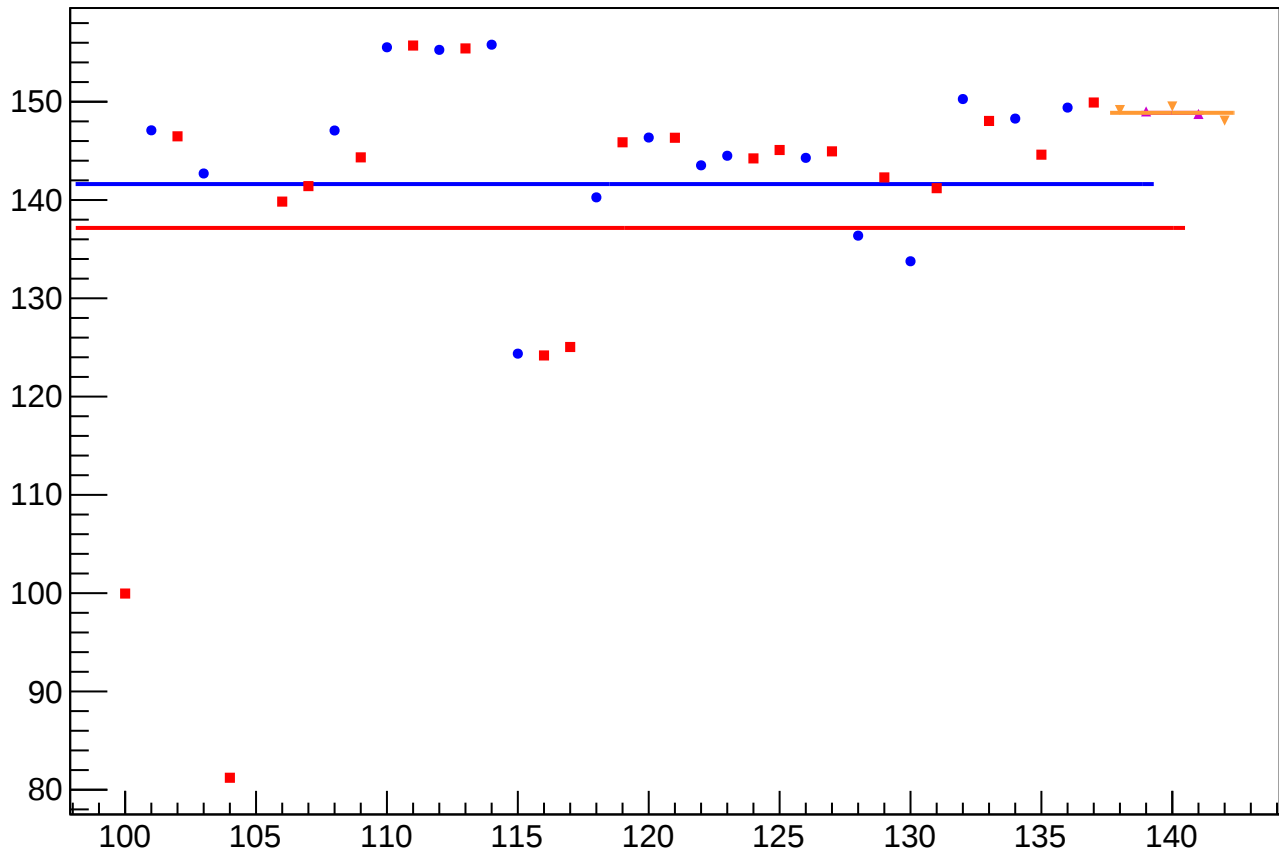
Right Out: 0.006+/-0.000 χ^2/NDF : 9277290.2/19

Left In: 0.665+/-0.000 χ^2/NDF :27.0/1

0.006+/-0.000 χ^2/NDF : 12085732.4/19

0.006+/-0.000 χ^2/NDF : 11698659.9/21

yield_cav4cQ_mean vs Slug



Right In: 141.622 $\pm$ 0.000 χ^2 /NDF: 982037737.7/16

Left Out: 148.872 $\pm$ 0.000 χ^2 /NDF: 1565309.3/2

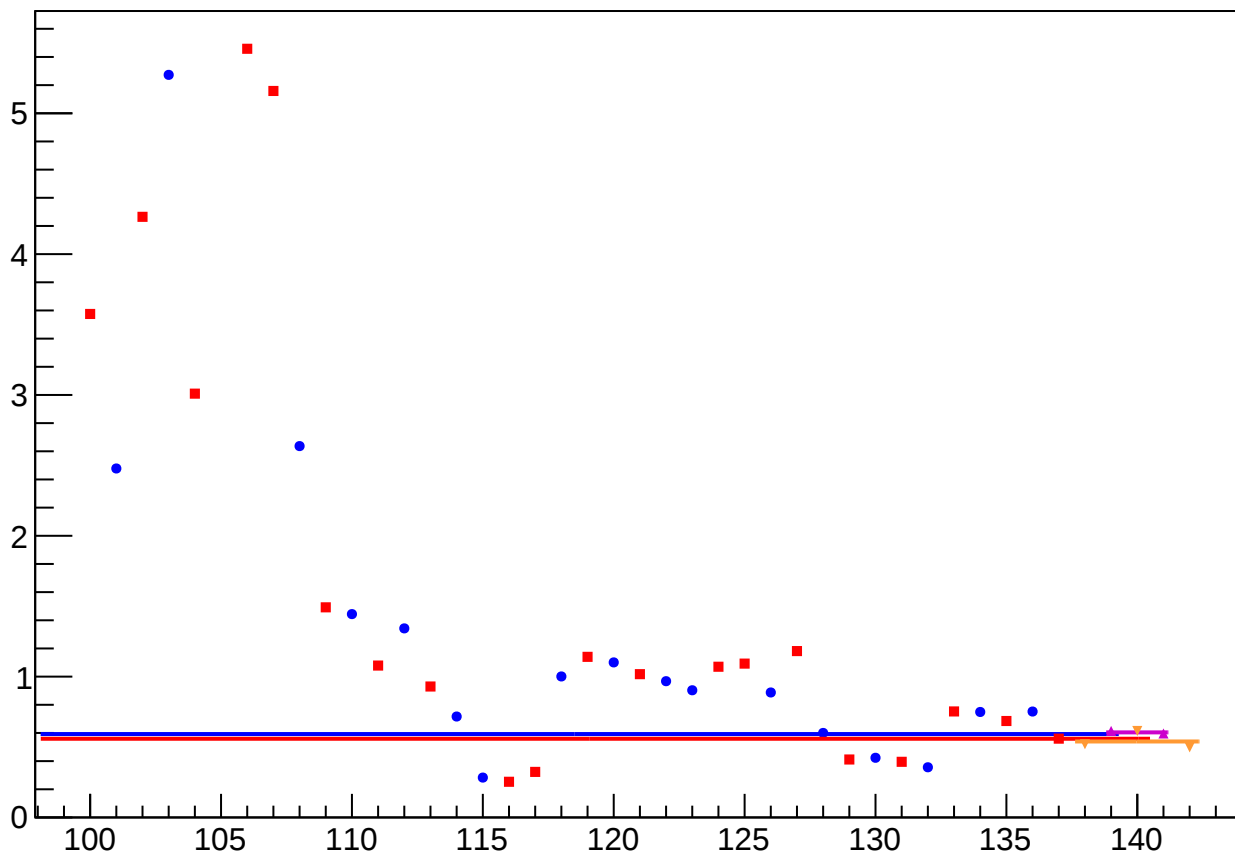
Right Out: 137.160 $\pm$ 0.000 χ^2 /NDF: 1365742338.8/19

Left In: 148.867 $\pm$ 0.001 χ^2 /NDF: 40781.3/1

143.724 $\pm$ 0.000 χ^2 /NDF: 1137814181.7/19

139.303 $\pm$ 0.000 χ^2 /NDF: 1640559159.8/21

yield_cav4cQ_rms vs Slug



Right In: 0.592+/-0.000 χ^2/NDF : 3521577.2/16

Left Out: 0.539+/-0.000 χ^2/NDF :19798.1/2

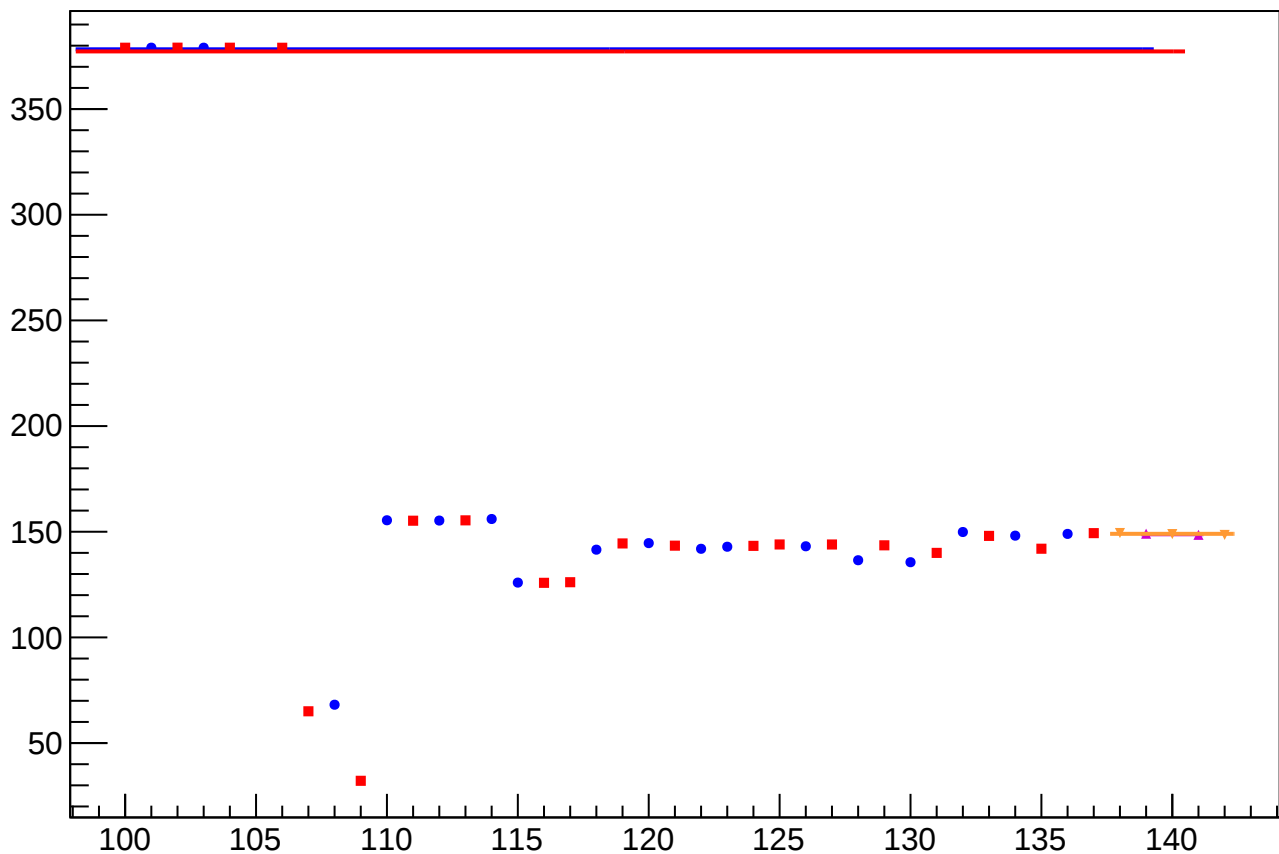
Right Out: 0.559+/-0.000 χ^2/NDF : 4719868.1/19

Left In: 0.604+/-0.000 χ^2/NDF :393.6/1

0.577+/-0.000 χ^2/NDF : 3557715.2/19

0.567+/-0.000 χ^2/NDF : 4728466.7/21

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16

Left Out: 149.011+/-0.000 χ^2/NDF : 1885933.8/2

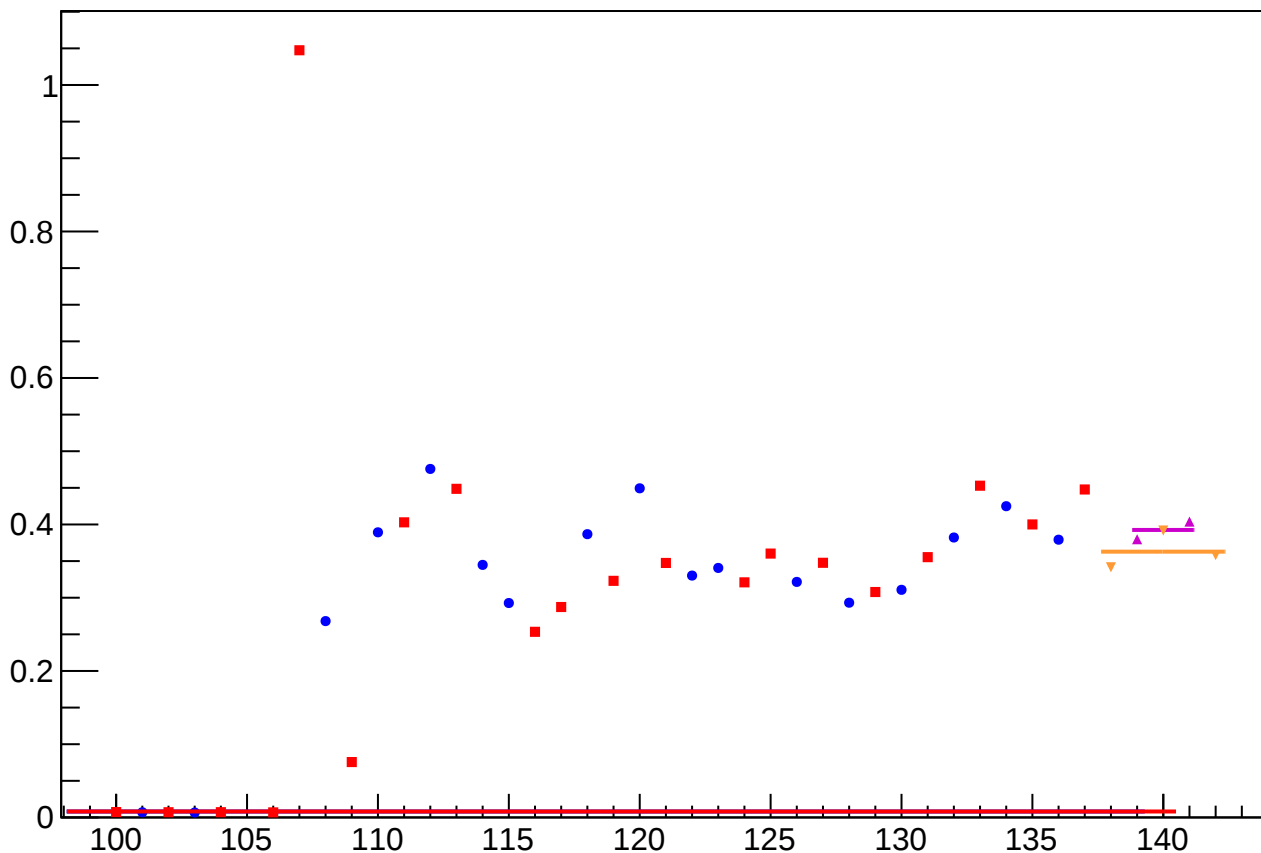
Right Out: 377.282+/-0.000 χ^2/NDF : 8306405788315.4/19

Left In: 148.797+/-0.000 χ^2/NDF : 672230.1/1

378.031+/-0.000 χ^2/NDF : 3278055928000.9/19

377.138+/-0.000 χ^2/NDF : 8807196410119.9/21

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.363+/-0.000 χ^2/NDF :14294.4/2

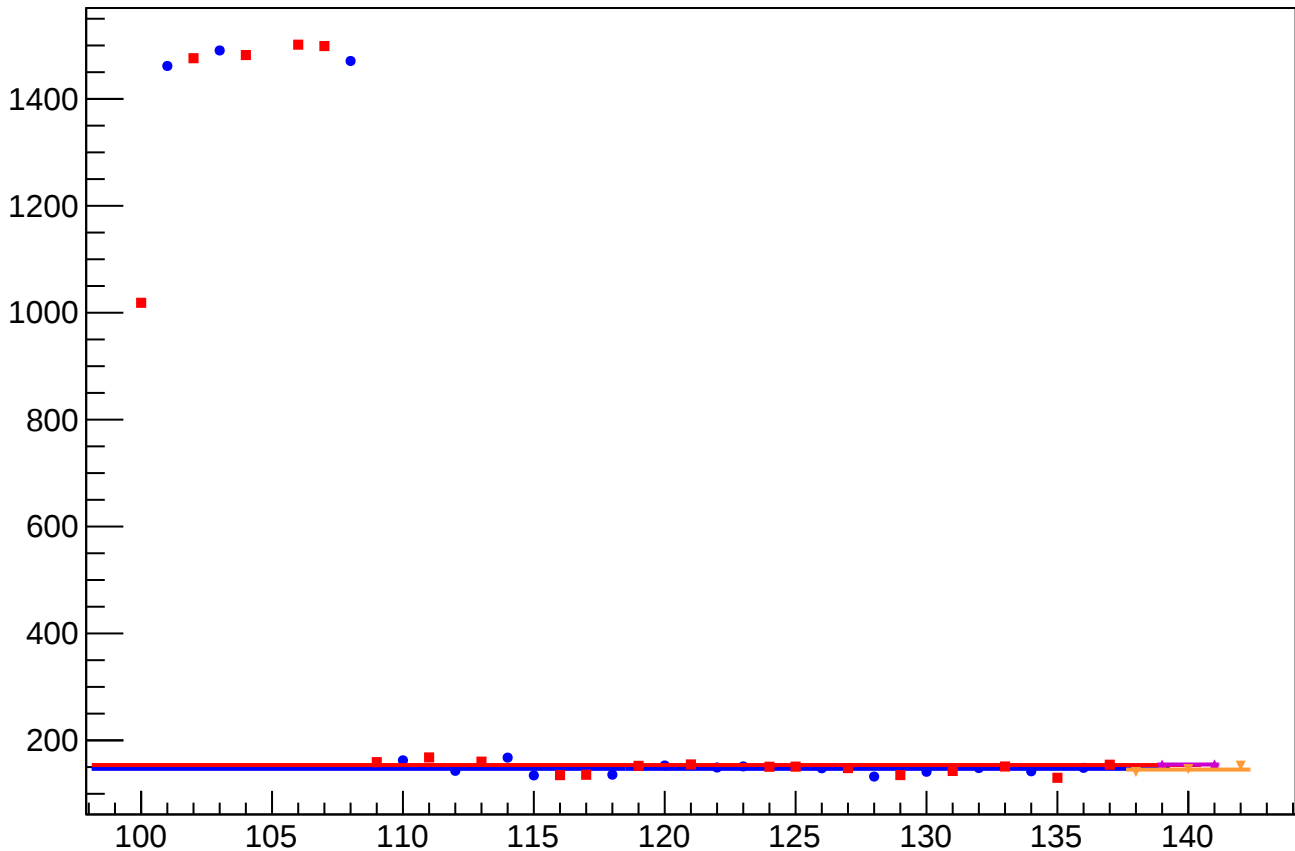
Right Out: 0.008+/-0.000 χ^2/NDF : 9601959.4/19

Left In: 0.393+/-0.000 χ^2/NDF :2770.0/1

0.009+/-0.000 χ^2/NDF : 13566991.9/19

0.008+/-0.000 χ^2/NDF : 12439223.7/21

yield_bcm0l02_mean vs Slug



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 145.332+/-0.001 χ^2/NDF : 36675011.2/2

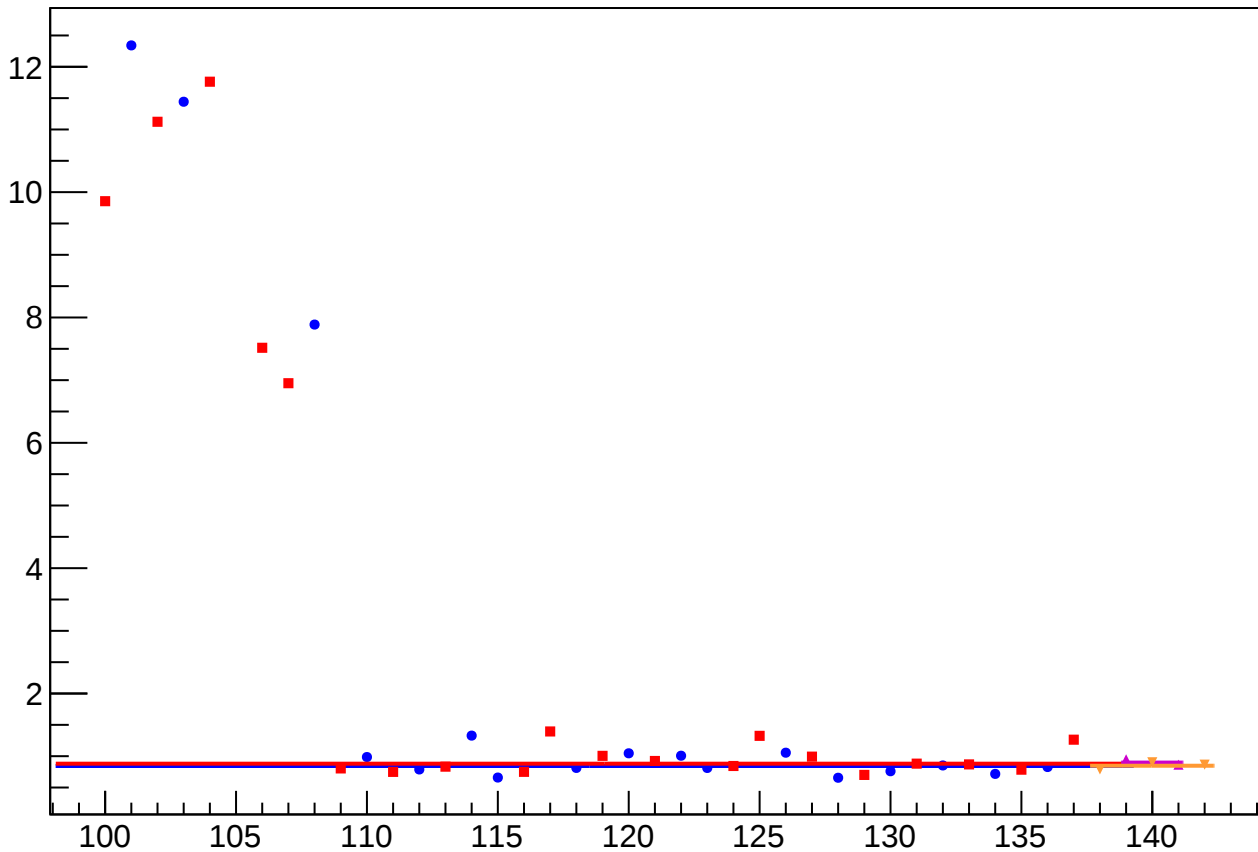
146.368+/-0.000 χ^2/NDF : 24390190060.5/19

Right Out: 153.818+/-0.000 χ^2/NDF : 33744777744.4/19

154.025+/-0.000 χ^2/NDF : 33745962684.1/21

Left In: 154.844+/-0.001 χ^2/NDF : 54469.4/1

yield_bcm0l02_rms vs Slug



Right In: 0.844+/-0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.848+/-0.001 χ^2/NDF : 9642.8/2

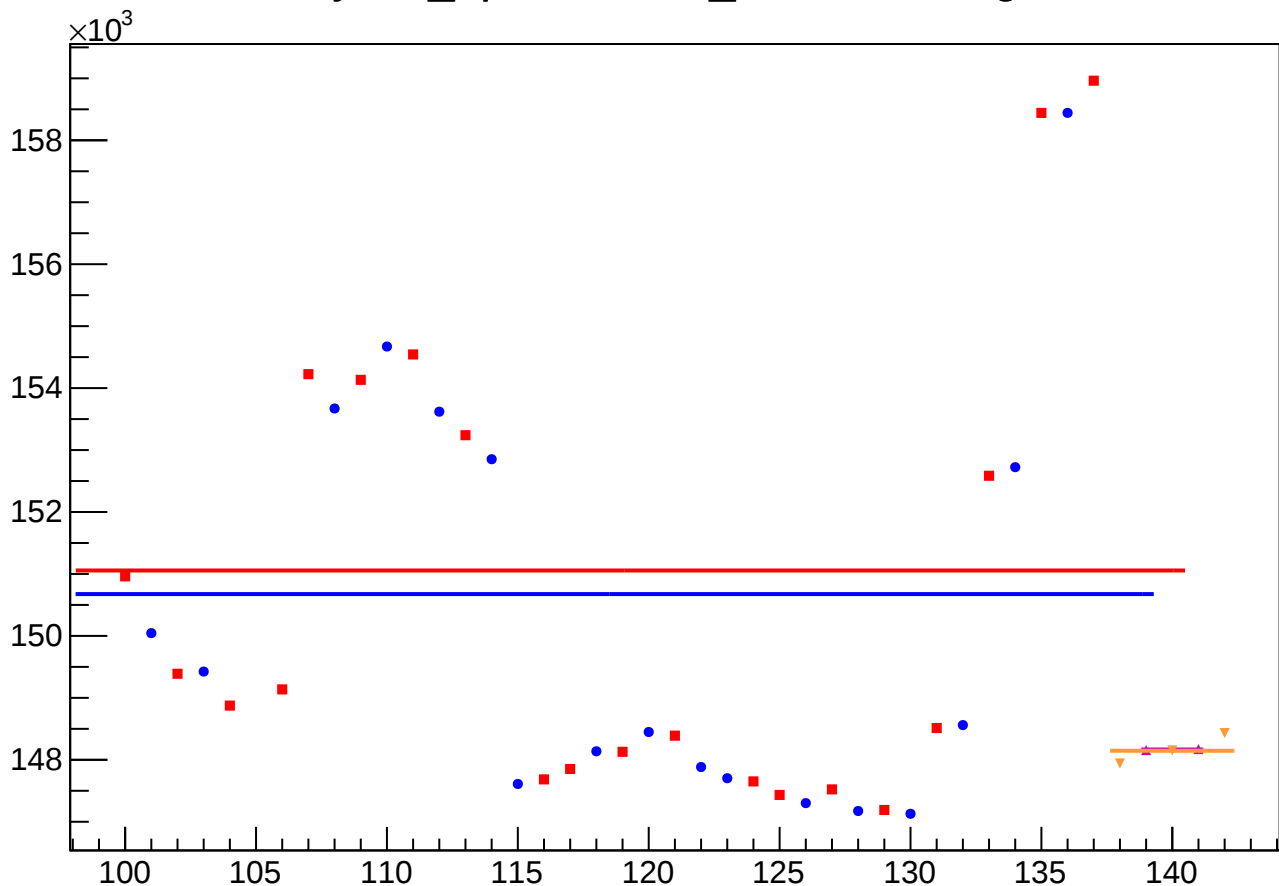
Right Out: 0.880+/-0.000 χ^2/NDF : 2823230.1/19

Left In: 0.898+/-0.001 χ^2/NDF : 4697.0/1

0.845+/-0.000 χ^2/NDF : 2680158.6/19

0.884+/-0.000 χ^2/NDF : 2828594.8/21

yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 $\pm$ 0.063 χ^2 /NDF: 3309974859.4/16

Left Out: 148146.279 $\pm$ 0.125 χ^2 /NDF: 2213824.7/2

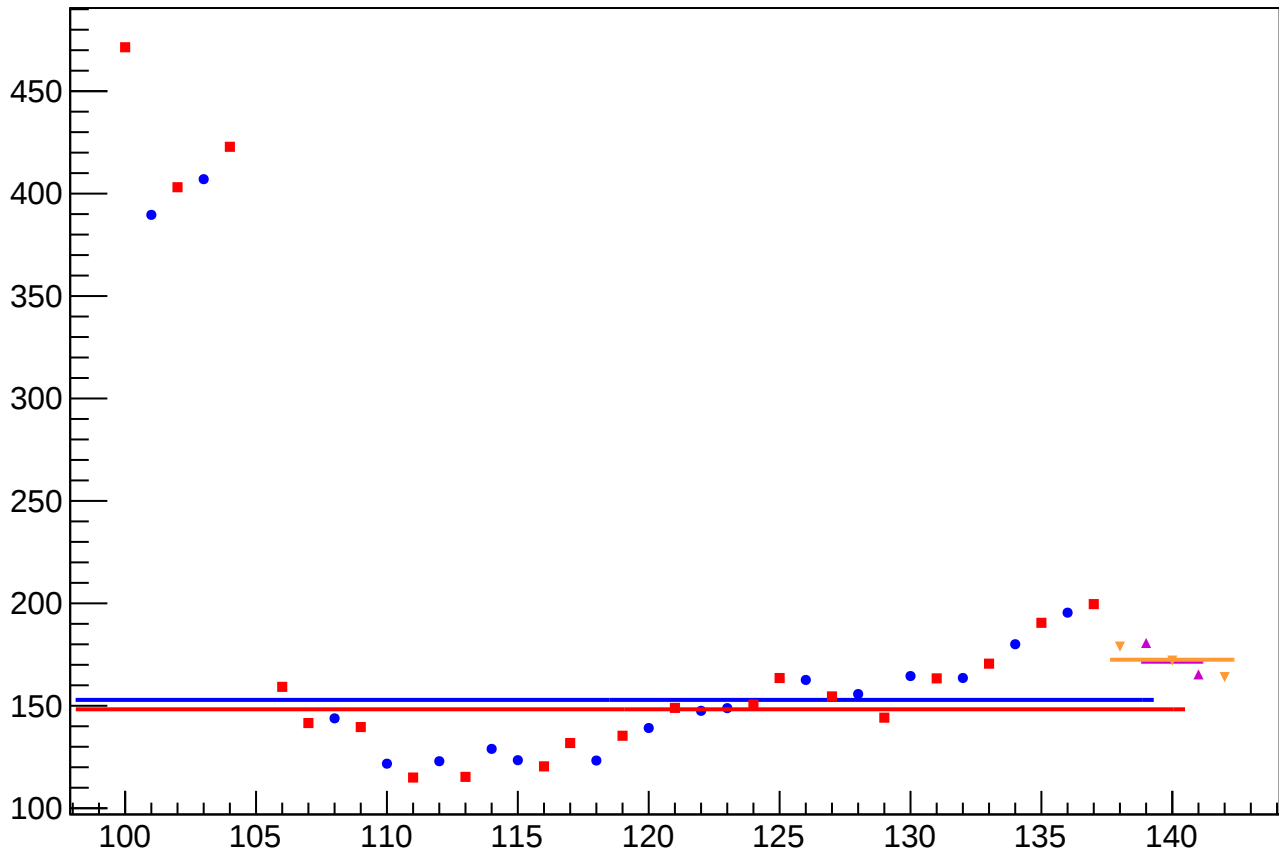
Right Out: 151056.044 $\pm$ 0.059 χ^2 /NDF: 3325519080.9/19

Left In: 148166.800 $\pm$ 0.140 χ^2 /NDF: 3205.2/1

150164.163 $\pm$ 0.056 χ^2 /NDF: 3638069466.1/19

150612.208 $\pm$ 0.055 χ^2 /NDF: 3688476815.7/21

yield_bpm0i01WS_rms vs Slug



Right In: 152.883 ± 0.045 χ^2/NDF : 1154088.7/16

Left Out: 172.487 ± 0.088 χ^2/NDF : 4092.7/2

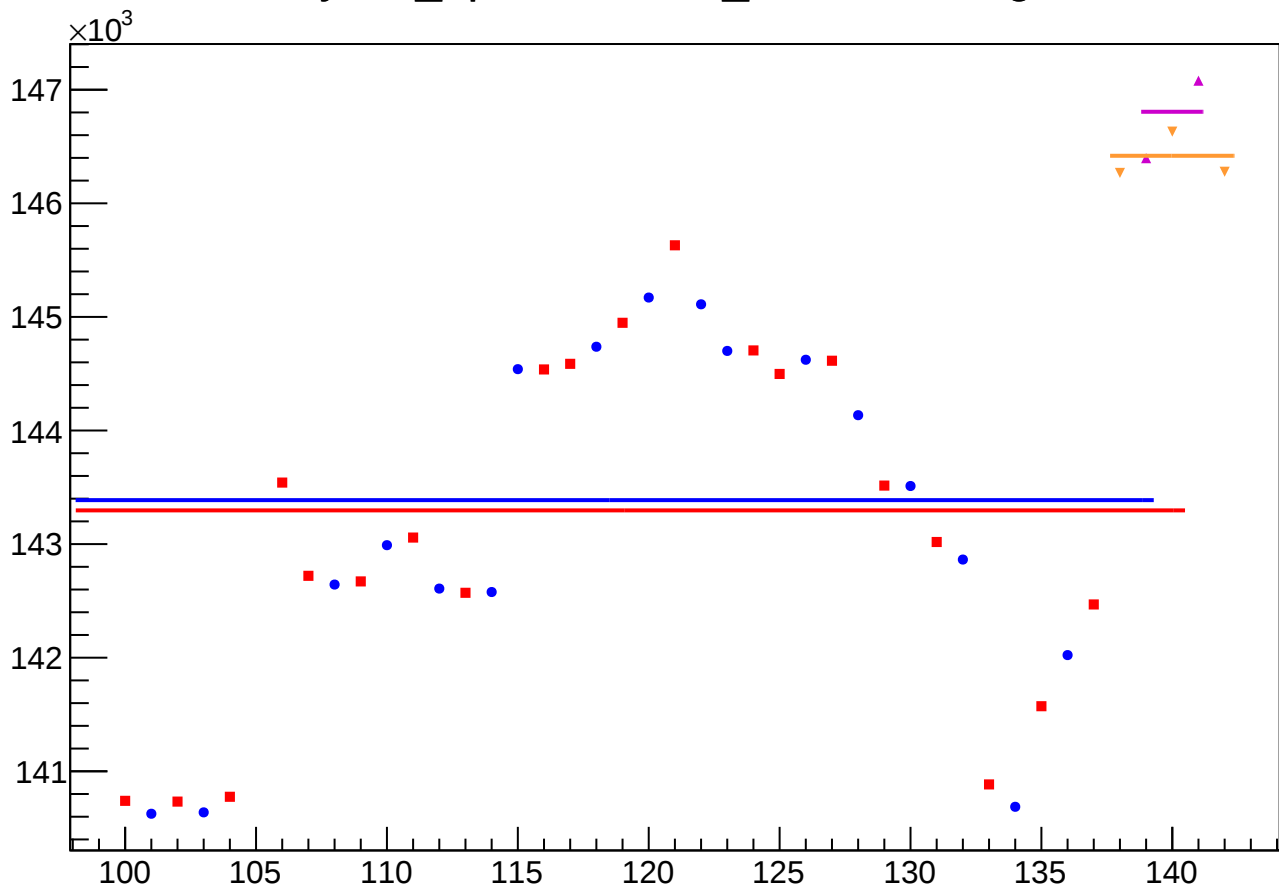
Right Out: 148.278 ± 0.042 χ^2/NDF : 1192879.8/19

Left In: 171.514 ± 0.099 χ^2/NDF : 5815.2/1

156.844 ± 0.040 χ^2/NDF : 1197352.5/19

151.848 ± 0.039 χ^2/NDF : 1245642.8/21

yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099 $\pm$ 0.053 χ^2 /NDF: 521299875.7/16

Left Out: 146418.560 $\pm$ 0.124 χ^2 /NDF: 2018445.1/2

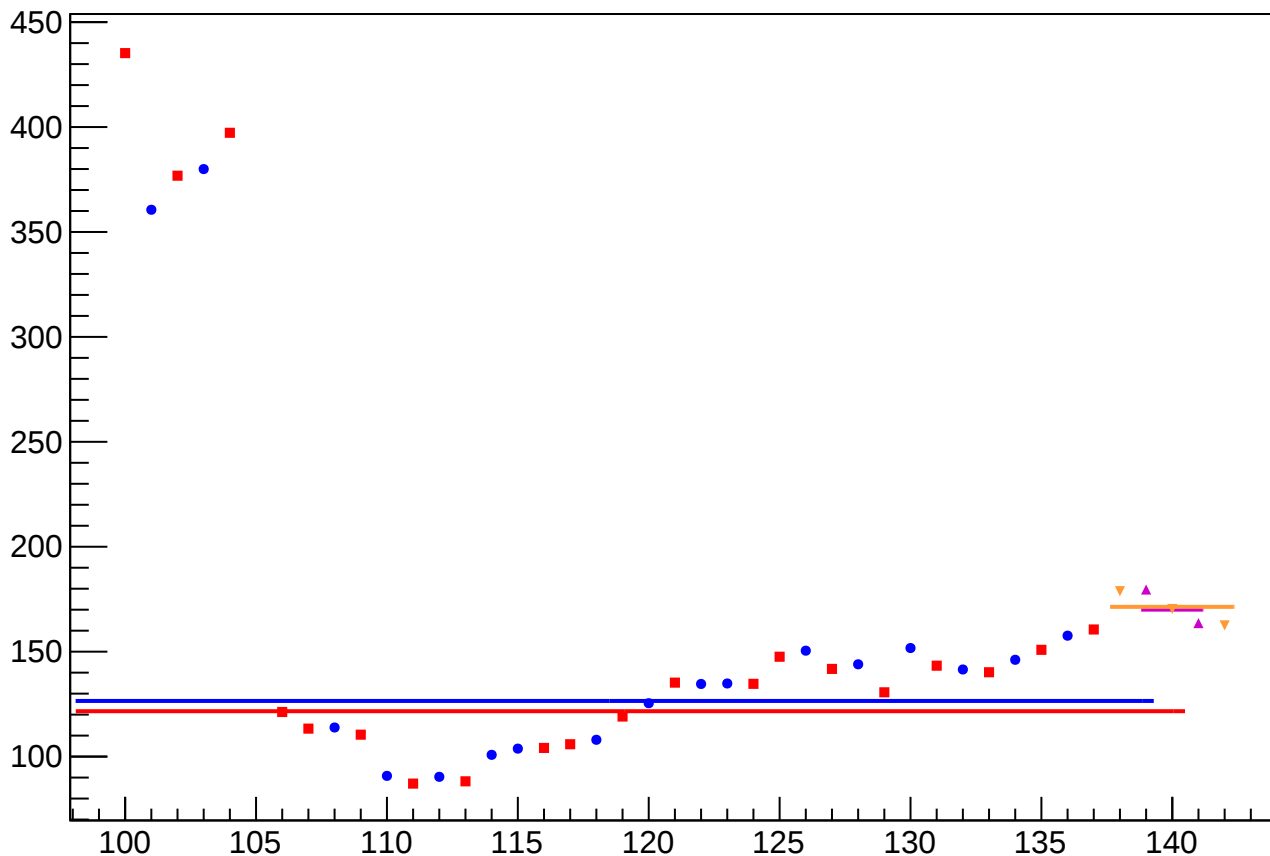
Right Out: 143296.790 $\pm$ 0.049 χ^2 /NDF: 615134284.0/19

Left In: 146805.985 $\pm$ 0.138 χ^2 /NDF: 5846255.8/1

143849.474 $\pm$ 0.049 χ^2 /NDF: 1027551286.2/19

143686.441 $\pm$ 0.046 χ^2 /NDF: 1193433645.2/21

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 $\pm$ 0.037 χ^2 /NDF: 1441685.0/16

Left Out: 171.357 $\pm$ 0.088 χ^2 /NDF: 5028.5/2

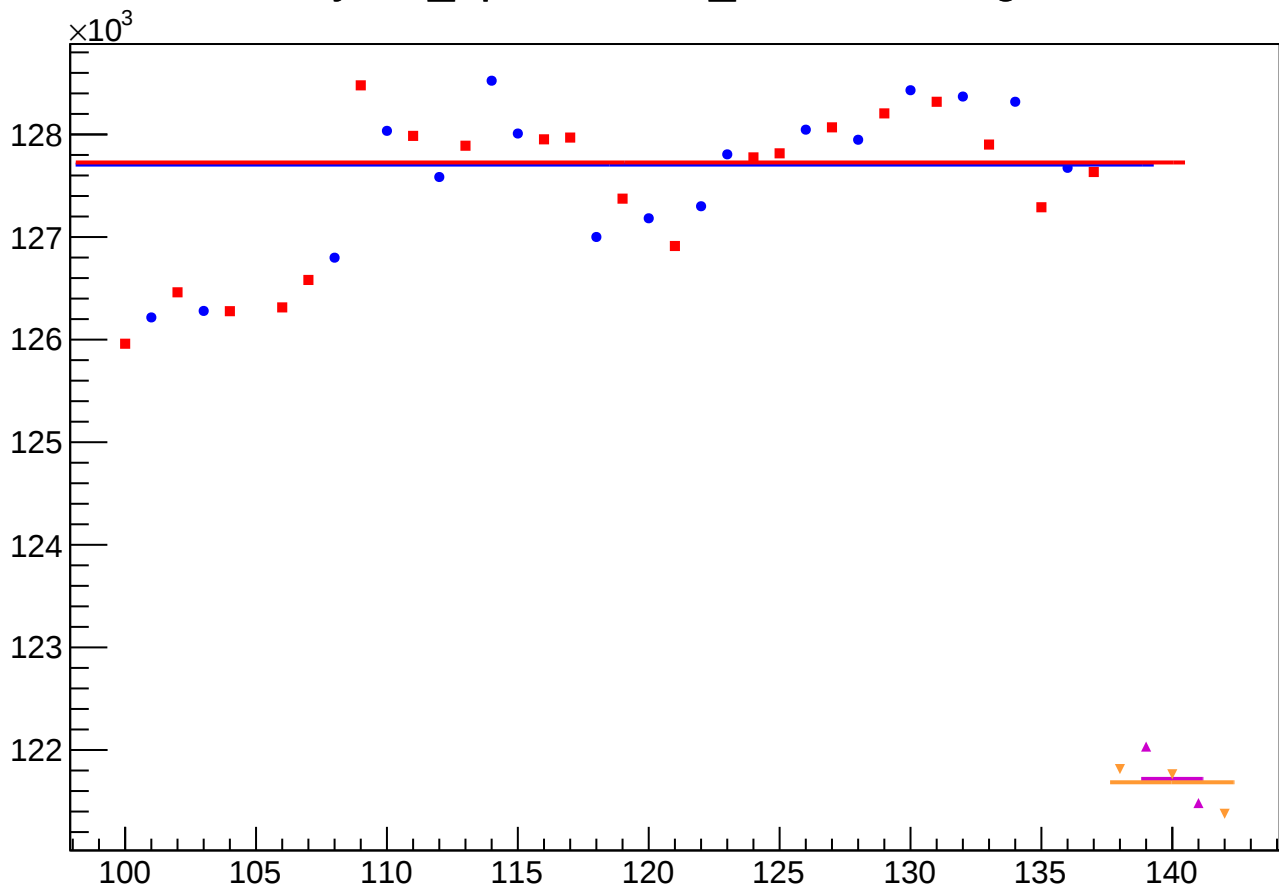
133.354 $\pm$ 0.034 χ^2 /NDF: 1667384.4/19

Right Out: 121.625 $\pm$ 0.035 χ^2 /NDF: 1465763.8/19

127.000 $\pm$ 0.033 χ^2 /NDF: 1690024.5/21

Left In: 170.029 $\pm$ 0.098 χ^2 /NDF: 6429.9/1

yield_bpm0l01WS_mean vs Slug



Right In: 127706.194 $\pm$ 0.058 χ^2 /NDF: 97860521.1/16

Left Out: 121685.277 $\pm$ 0.107 χ^2 /NDF: 2771827.0/2

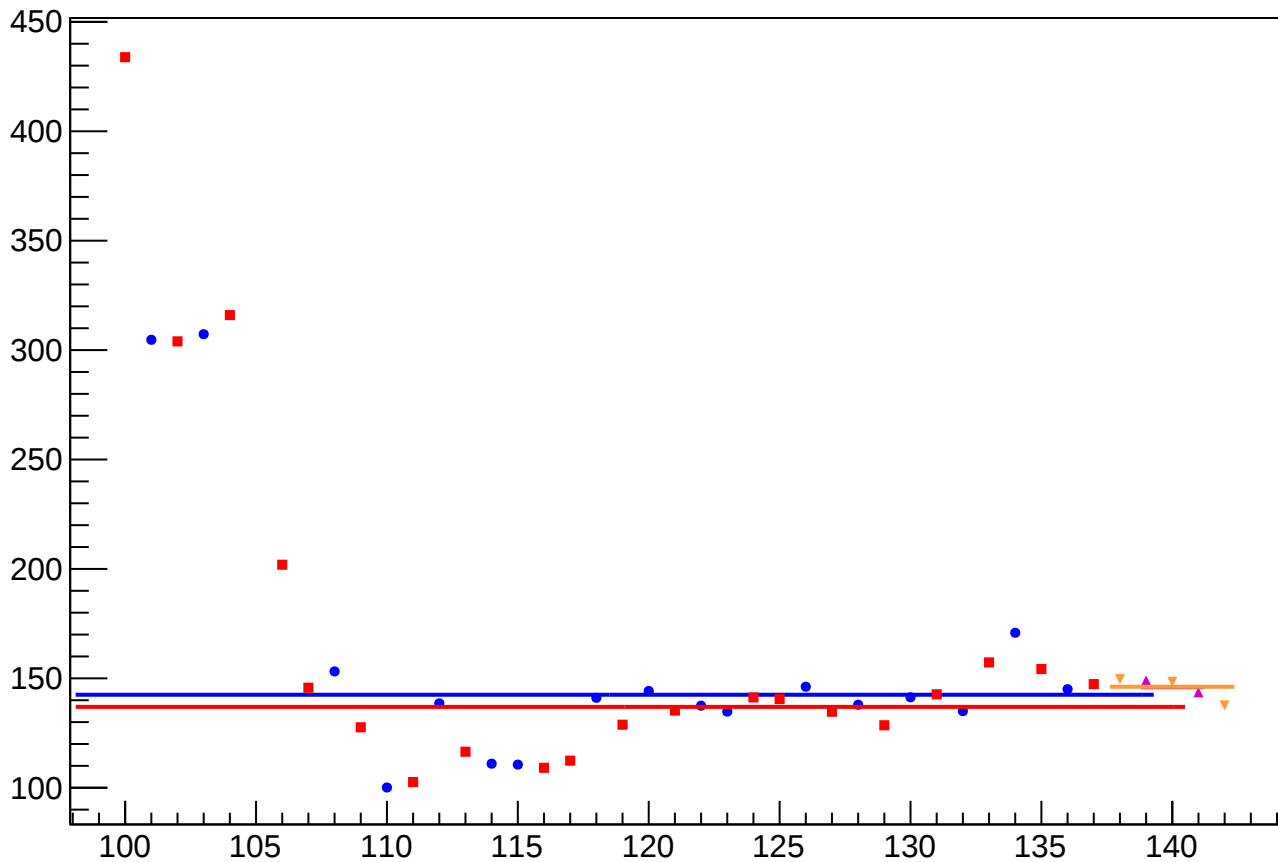
Right Out: 127726.708 $\pm$ 0.054 χ^2 /NDF: 112816704.3/19

Left In: 121718.181 $\pm$ 0.119 χ^2 /NDF: 5241870.2/1

126339.888 $\pm$ 0.051 χ^2 /NDF: 2541067836.7/19

126691.976 $\pm$ 0.049 χ^2 /NDF: 2230273529.3/21

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 ± 0.041 χ^2/NDF : 836263.7/16

Left Out: 146.145 ± 0.076 χ^2/NDF : 4248.1/2

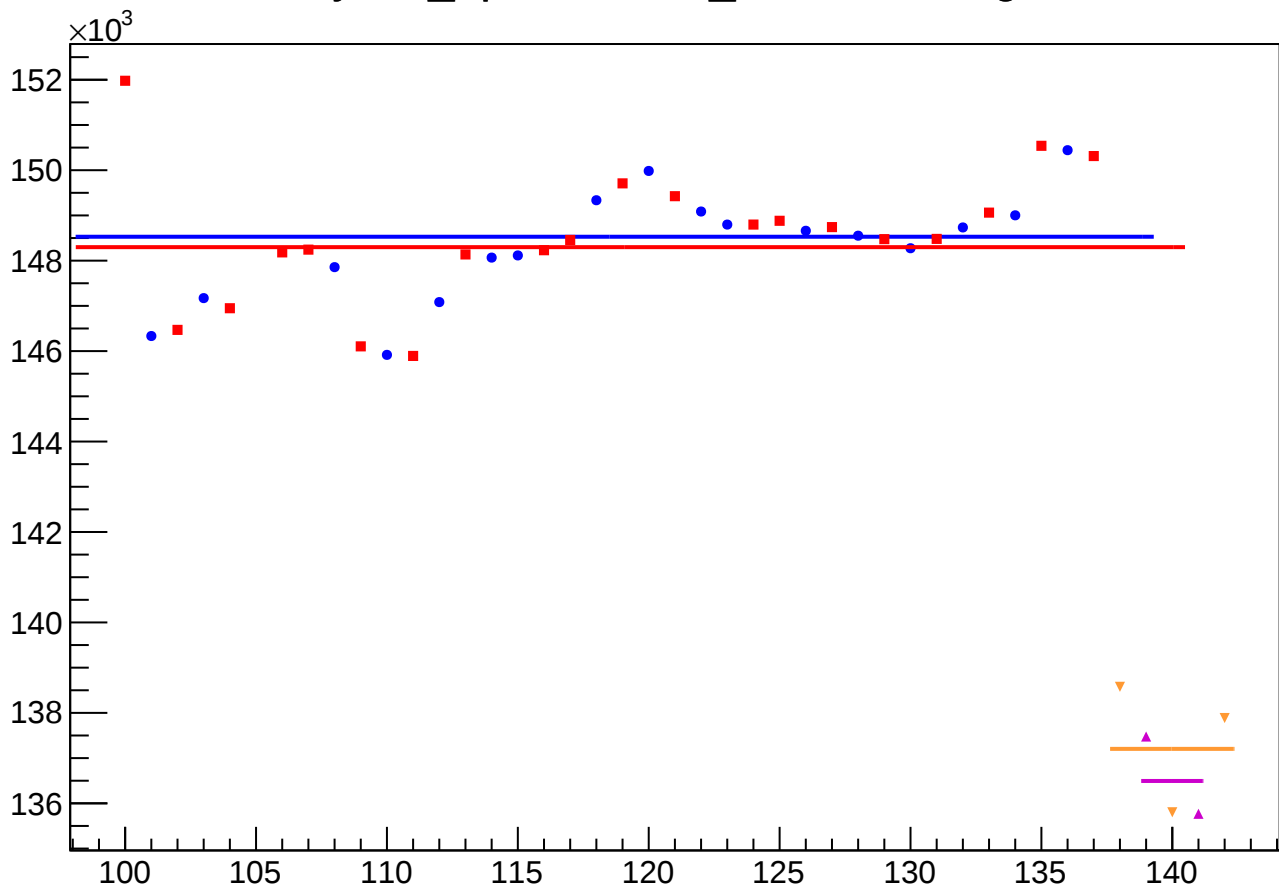
Right Out: 136.963 ± 0.038 χ^2/NDF : 961465.0/19

Left In: 145.934 ± 0.084 χ^2/NDF : 1006.9/1

143.328 ± 0.036 χ^2/NDF : 842298.8/19

138.508 ± 0.035 χ^2/NDF : 971888.2/21

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 $\pm$ 0.082 χ^2 /NDF: 209986594.2/16

Left Out: 137204.306 $\pm$ 0.160 χ^2 /NDF: 62427189.7/2

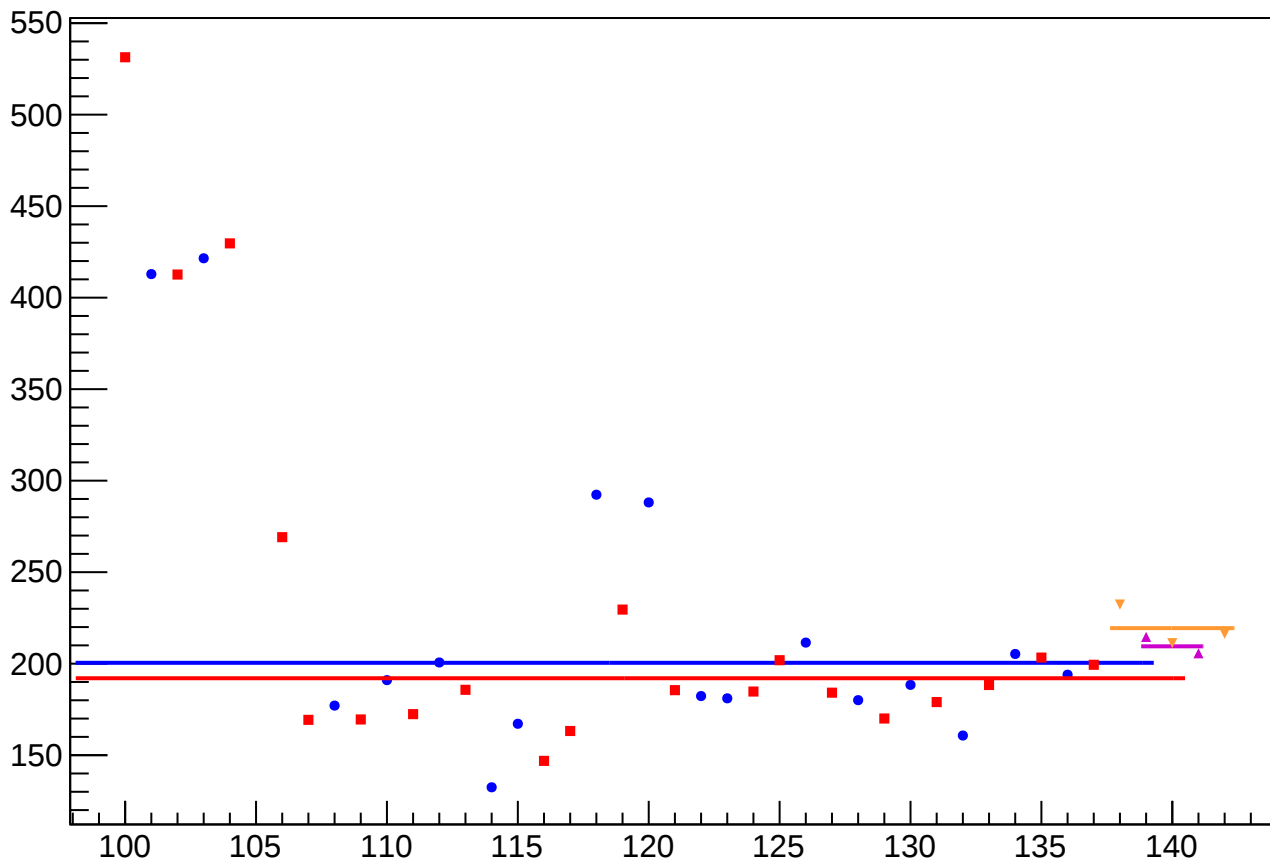
Right Out: 148298.586 $\pm$ 0.076 χ^2 /NDF: 293284830.9/19

Left In: 136494.449 $\pm$ 0.170 χ^2 /NDF: 24559658.6/1

146165.836 $\pm$ 0.073 χ^2 /NDF: 4245340683.0/19

146337.675 $\pm$ 0.069 χ^2 /NDF: 4318565772.8/21

yield_bpm0l02WS_rms vs Slug



Right In: 200.472 ± 0.058 χ^2/NDF : 936547.2/16

Left Out: 219.422 ± 0.113 χ^2/NDF : 6819.8/2

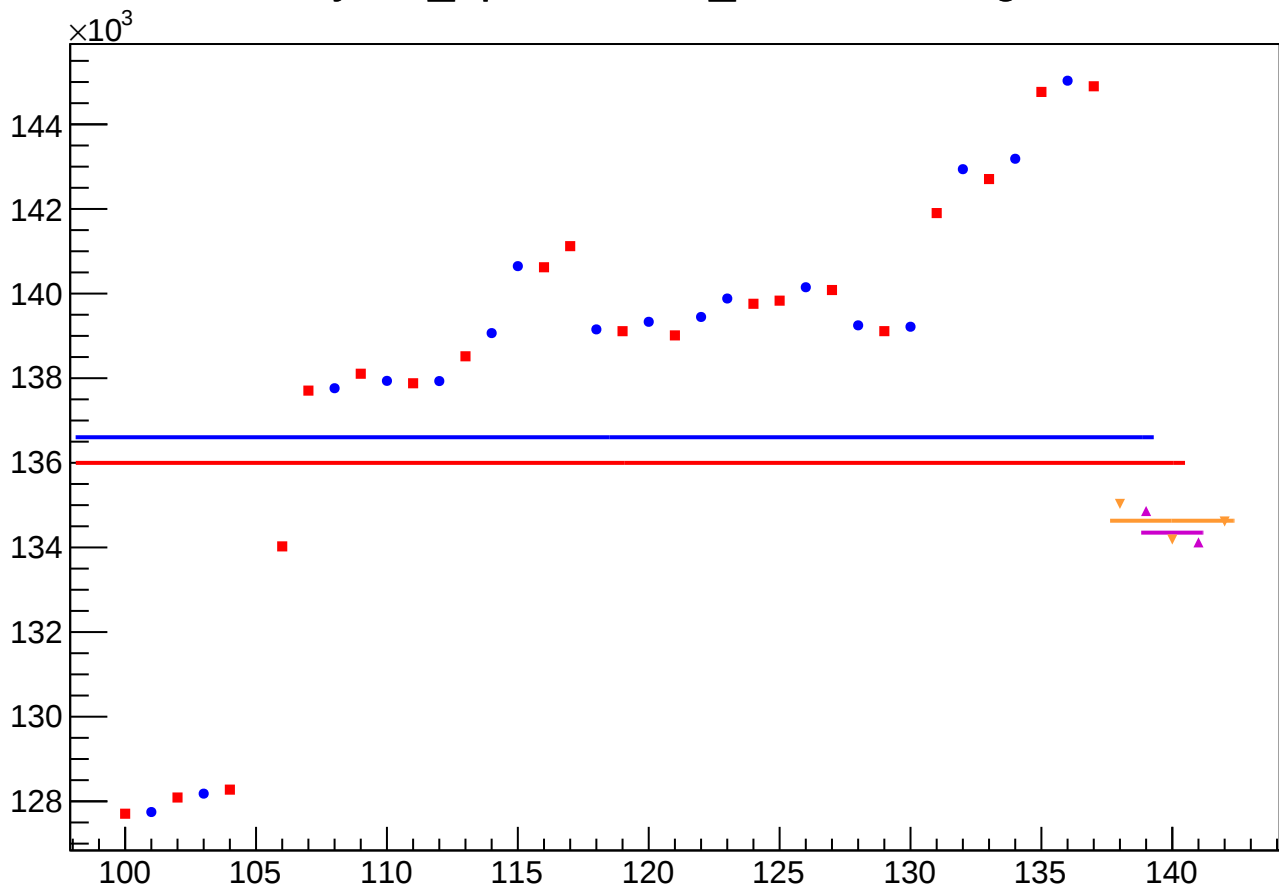
Right Out: 192.040 ± 0.054 χ^2/NDF : 847133.0/19

Left In: 209.480 ± 0.121 χ^2/NDF : 1349.1/1

204.426 ± 0.052 χ^2/NDF : 965615.6/19

194.937 ± 0.049 χ^2/NDF : 865947.4/21

yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16

Left Out: 134631.666 $\pm$ 0.381 χ^2 /NDF: 960979.0/2

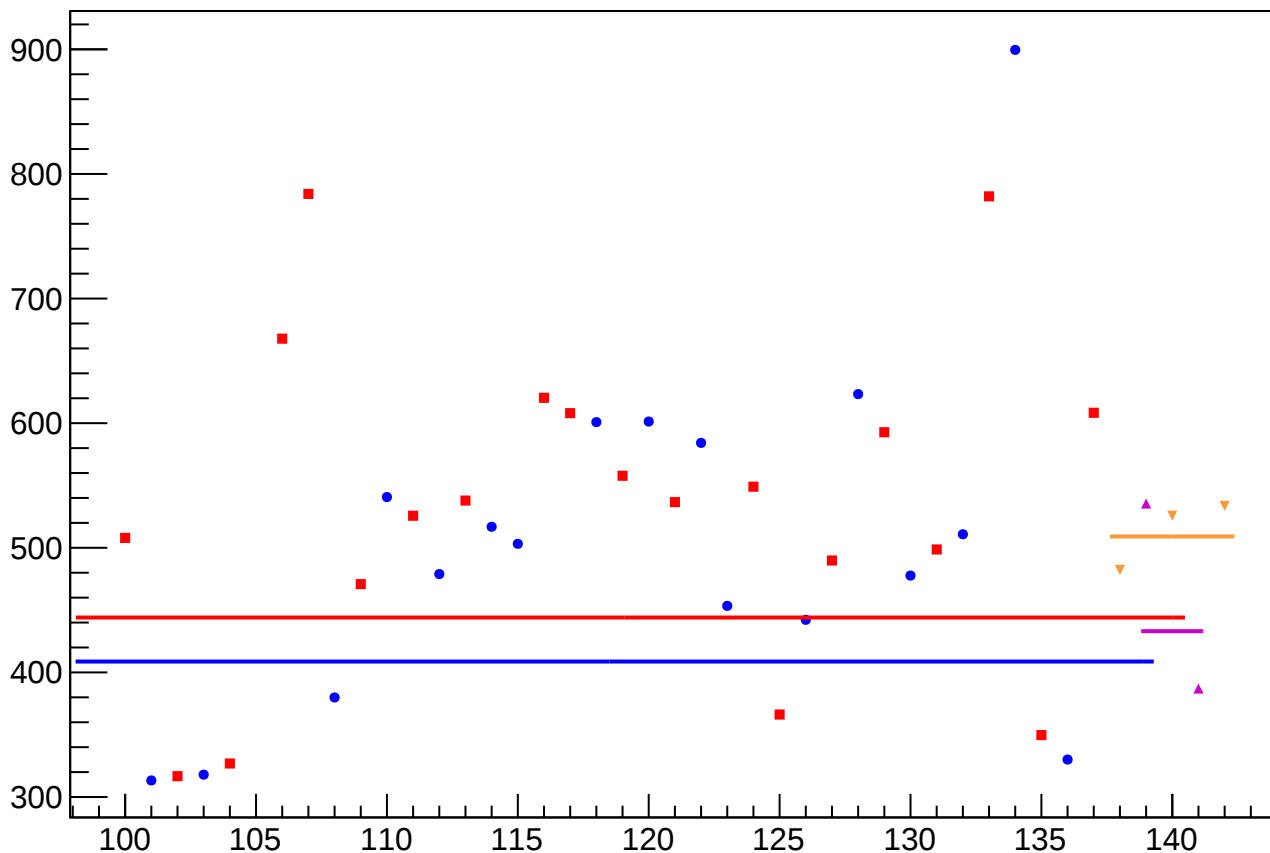
Right Out: 135998.851 $\pm$ 0.182 χ^2 /NDF: 1084895879.4/19

Left In: 134349.925 $\pm$ 0.414 χ^2 /NDF: 684533.8/1

136272.728 $\pm$ 0.156 χ^2 /NDF: 1517595501.0/19

135731.031 $\pm$ 0.167 χ^2 /NDF: 1098854410.4/21

yield_bpm0l03WS_rms vs Slug



Right In: 408.729+/-0.121 χ^2/NDF : 823262.8/16

Left Out: 509.075+/-0.270 χ^2/NDF : 7340.3/2

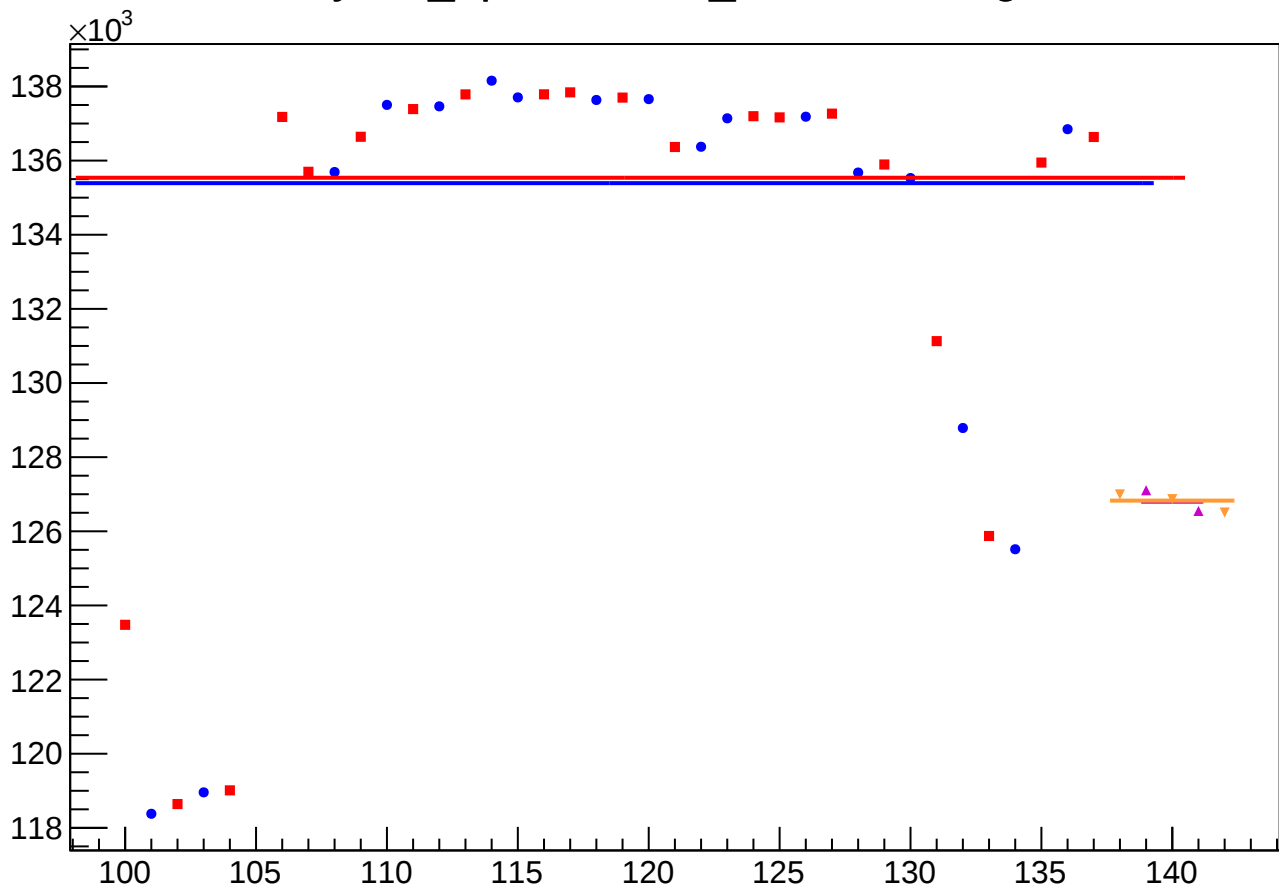
Right Out: 444.034+/-0.129 χ^2/NDF : 922545.8/19

Left In: 433.107+/-0.293 χ^2/NDF : 54982.9/1

425.610+/-0.111 χ^2/NDF : 945868.3/19

442.259+/-0.118 χ^2/NDF : 978694.6/21

yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2/NDF : 4580024611.0/16

Left Out: 126827.855 $\pm$ 0.117 χ^2/NDF : 2631748.7/2

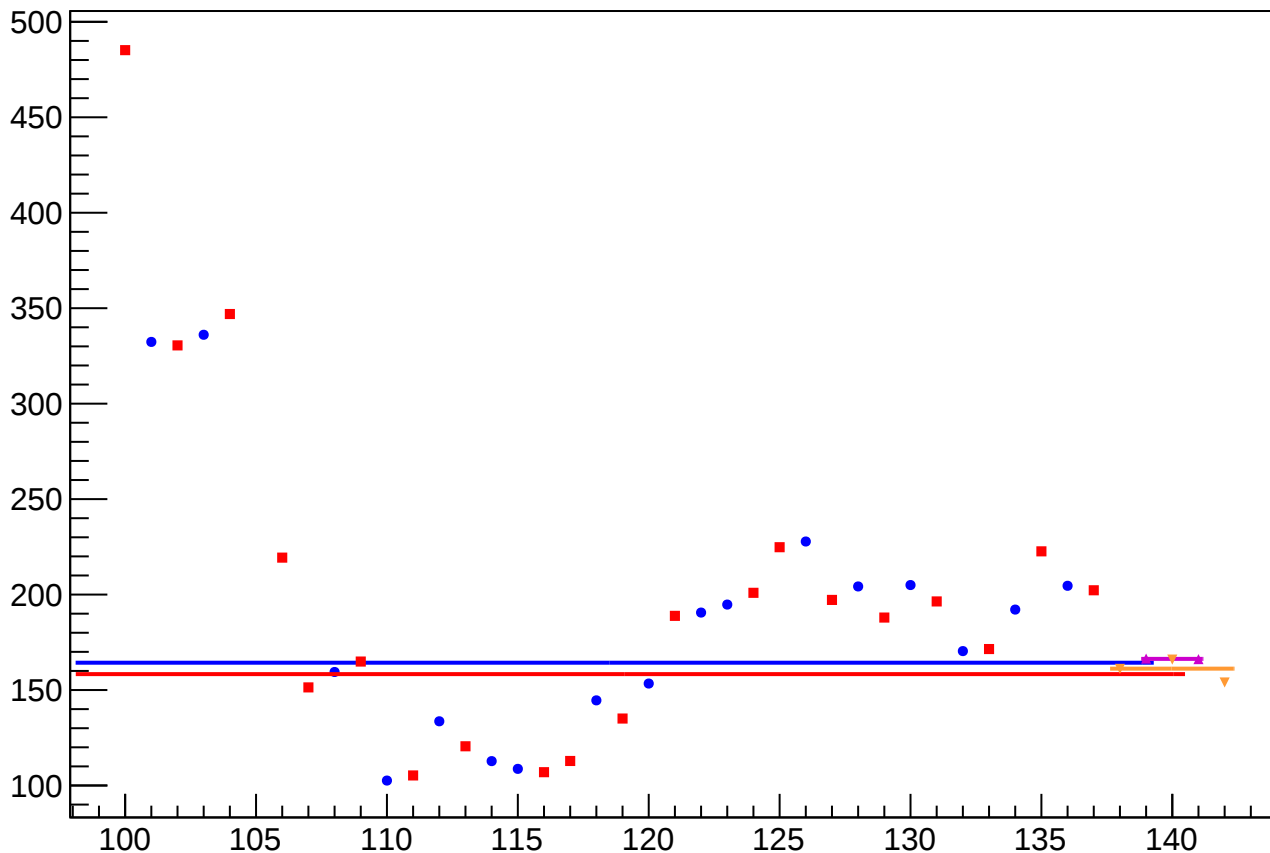
Right Out: 135537.290 $\pm$ 0.064 χ^2/NDF : 4748951957.4/19

Left In: 126797.925 $\pm$ 0.135 χ^2/NDF : 4201104.3/1

133229.328 $\pm$ 0.059 χ^2/NDF : 8556010703.2/19

133941.559 $\pm$ 0.058 χ^2/NDF : 8164013091.6/21

yield_bpm0l04WS_rms vs Slug



Right In: 164.311 ± 0.048 χ^2/NDF : 1230487.8/16

Left Out: 161.204 ± 0.083 χ^2/NDF : 3093.9/2

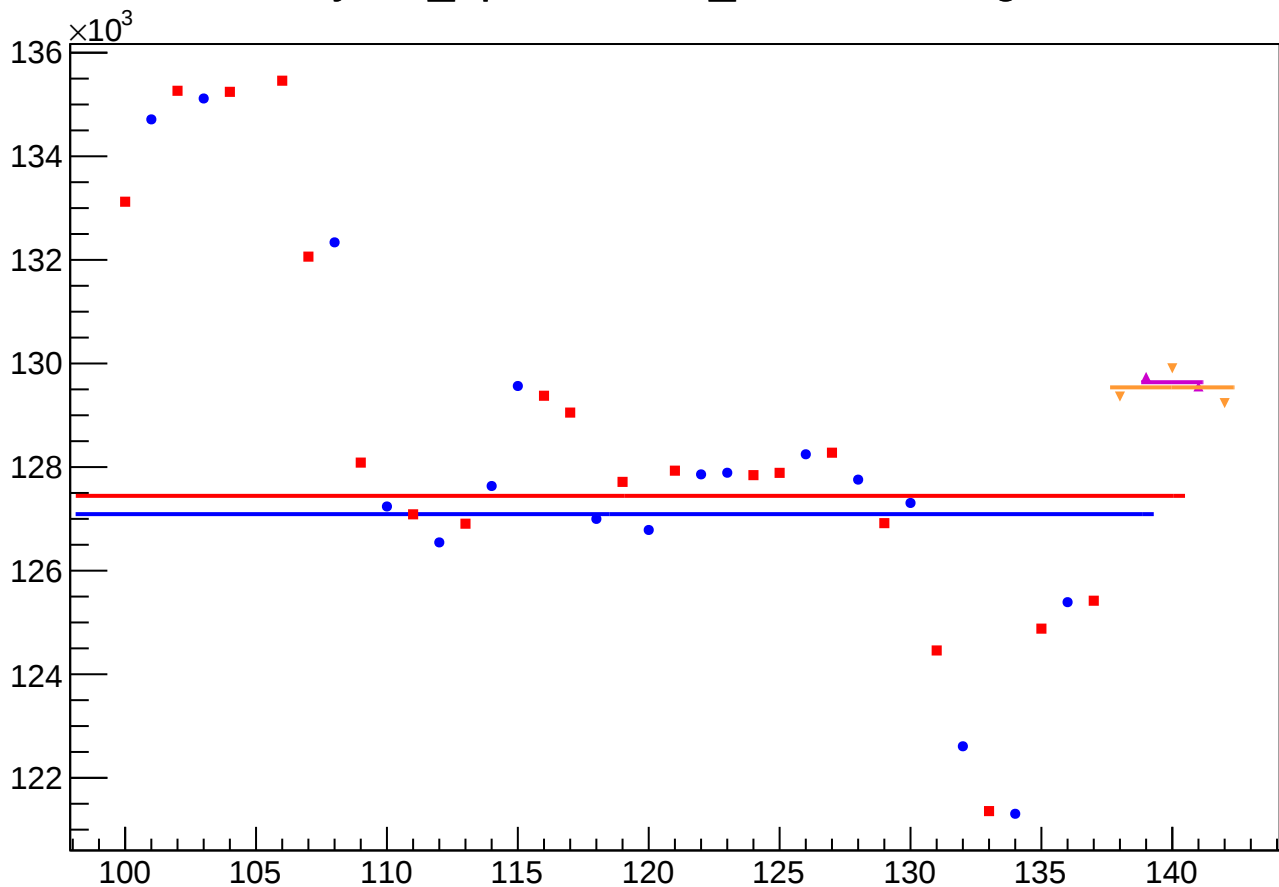
Right Out: 158.336 ± 0.045 χ^2/NDF : 1398323.7/19

Left In: 166.319 ± 0.096 χ^2/NDF : 2.1/1

163.527 ± 0.042 χ^2/NDF : 1234628.0/19

159.794 ± 0.041 χ^2/NDF : 1404016.8/21

yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 $\pm$ 0.066 χ^2 /NDF: 1717208780.6/16

Left Out: 129538.899 $\pm$ 0.116 χ^2 /NDF: 6431963.1/2

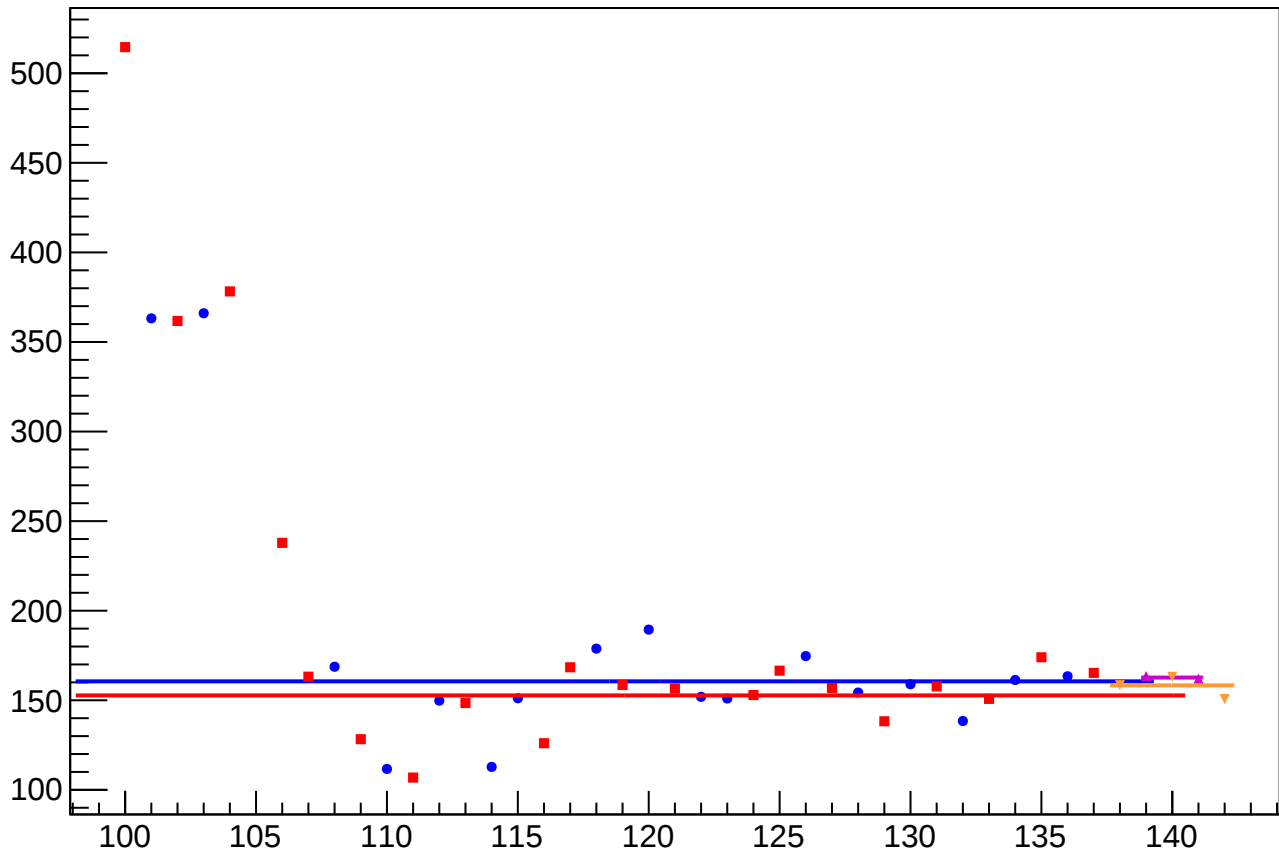
Right Out: 127444.472 $\pm$ 0.061 χ^2 /NDF: 2082646787.7/19

Left In: 129638.384 $\pm$ 0.132 χ^2 /NDF: 471721.2/1

127697.098 $\pm$ 0.058 χ^2 /NDF: 2060785539.8/19

127832.643 $\pm$ 0.056 χ^2 /NDF: 2309122457.1/21

yield_bpm0l05WS_rms vs Slug



Right In: 160.564 ± 0.047 χ^2/NDF : 942747.0/16

Left Out: 158.323 ± 0.082 χ^2/NDF : 3437.8/2

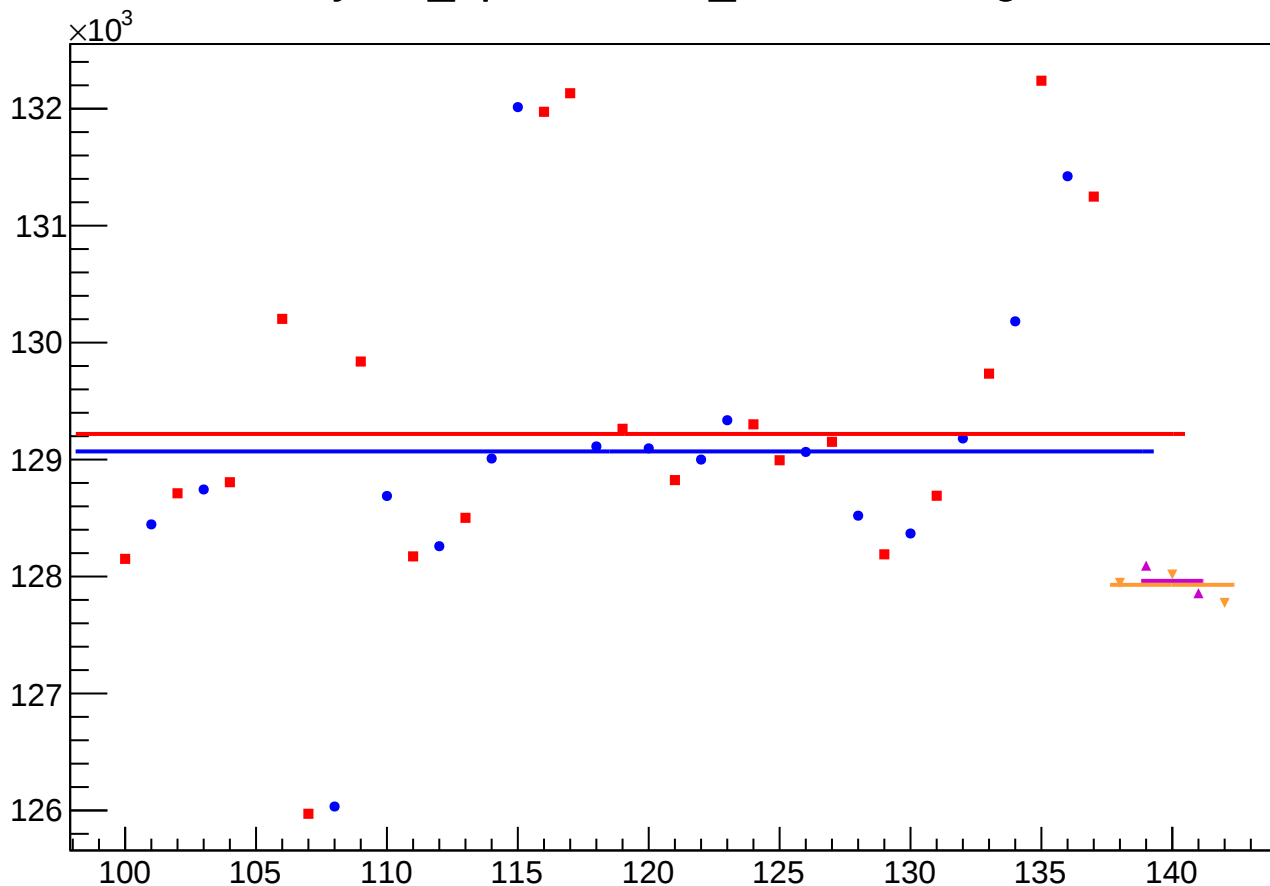
160.010 ± 0.041 χ^2/NDF : 946750.2/19

Right Out: 152.711 ± 0.043 χ^2/NDF : 1087186.3/19

154.473 ± 0.039 χ^2/NDF : 1096566.0/21

Left In: 162.674 ± 0.094 χ^2/NDF : 57.8/1

yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 ± 0.060 $\chi^2/\text{NDF}: 476692316.5/16$

Left Out: 127929.142 ± 0.111 $\chi^2/\text{NDF}: 725185.1/2$

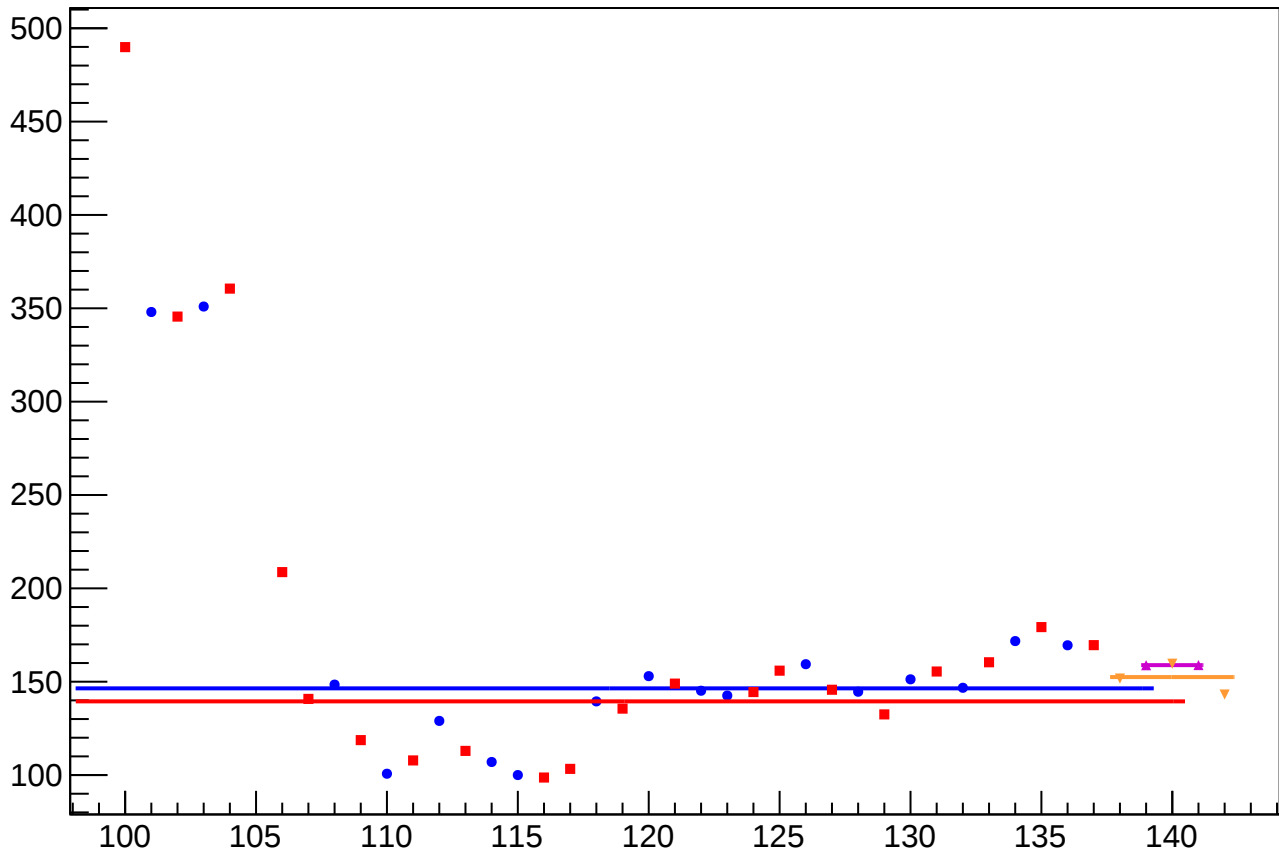
Right Out: 129219.072 ± 0.056 $\chi^2/\text{NDF}: 660468184.1/19$

Left In: 127962.627 ± 0.129 $\chi^2/\text{NDF}: 821858.3/1$

128810.750 ± 0.053 $\chi^2/\text{NDF}: 558983181.3/19$

129021.922 ± 0.051 $\chi^2/\text{NDF}: 741026239.9/21$

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 ± 0.043 χ^2/NDF : 1064791.0/16

Left Out: 152.481 ± 0.079 χ^2/NDF : 6658.8/2

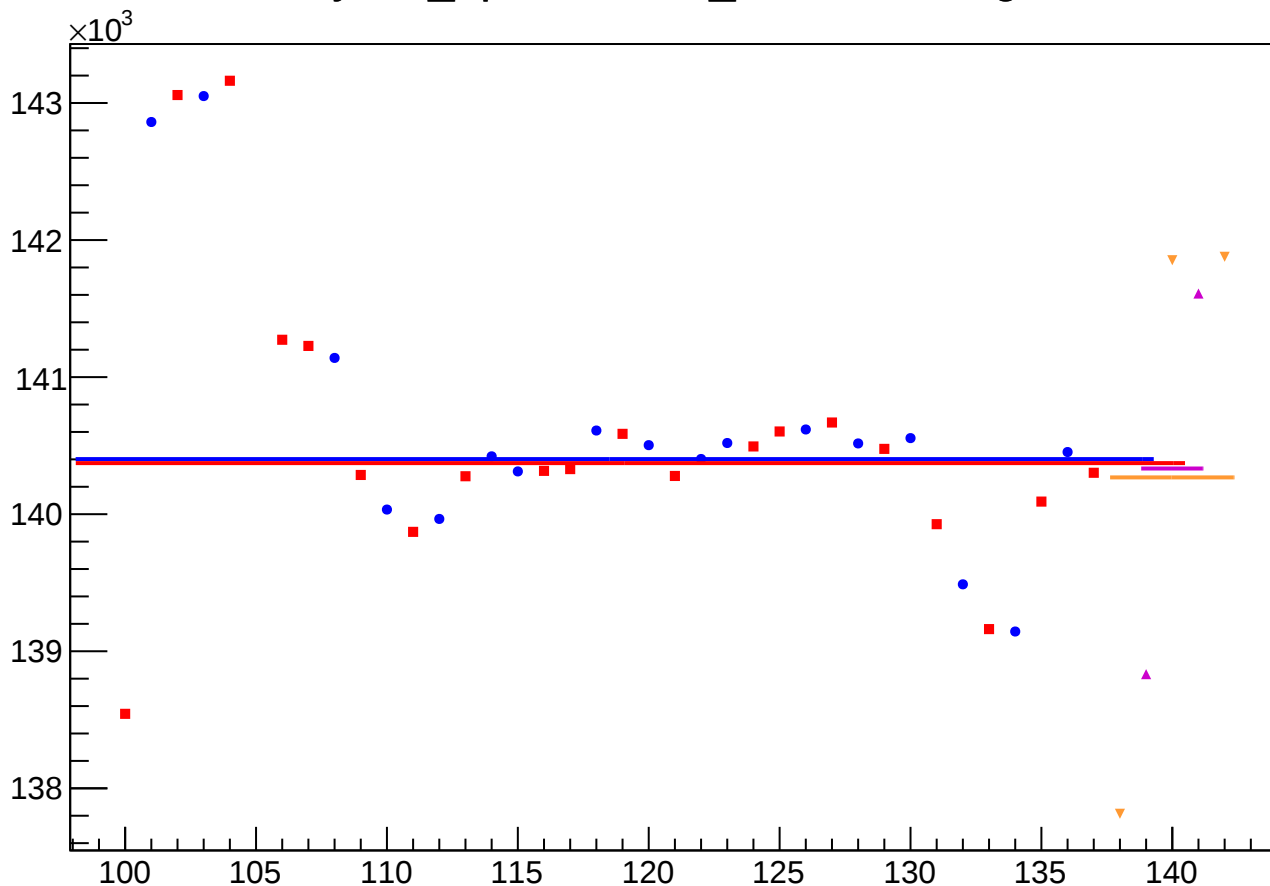
Right Out: 139.468 ± 0.039 χ^2/NDF : 1214310.8/19

Left In: 158.875 ± 0.091 χ^2/NDF : 0.2/1

147.809 ± 0.037 χ^2/NDF : 1076029.9/19

142.513 ± 0.036 χ^2/NDF : 1252358.9/21

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 $\pm$ 0.064 χ^2 /NDF: 88071774.7/16

Left Out: 140268.360 $\pm$ 0.132 χ^2 /NDF: 226157263.2/2

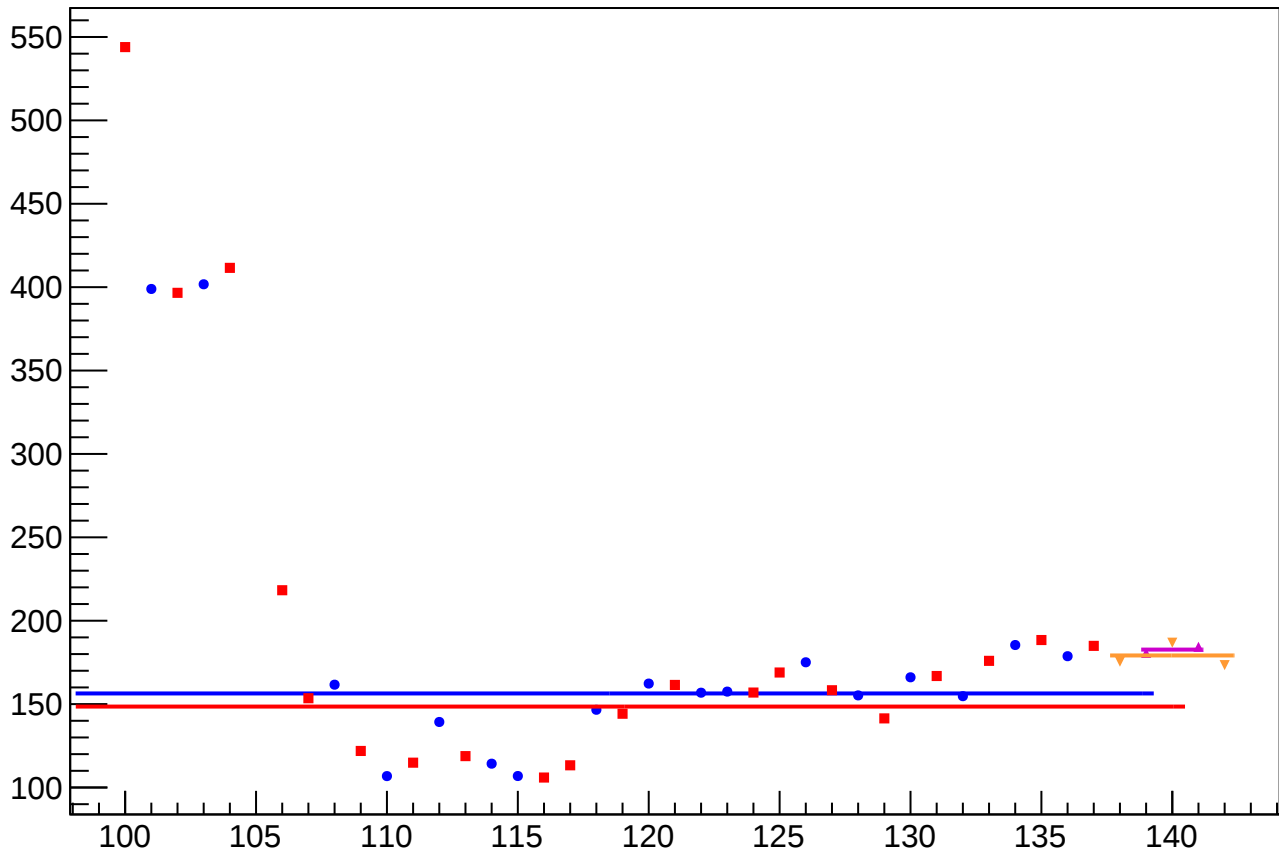
Right Out: 140372.636 $\pm$ 0.059 χ^2 /NDF: 99861038.9/19

Left In: 140333.242 $\pm$ 0.149 χ^2 /NDF: 85795636.6/1

140376.199 $\pm$ 0.058 χ^2 /NDF: 315062144.7/19

140367.245 $\pm$ 0.055 χ^2 /NDF: 185716679.5/21

yield_bpm0l07WS_rms vs Slug



Right In: 156.394 ± 0.046 χ^2/NDF : 1154804.2/16

Left Out: 179.174 ± 0.093 χ^2/NDF : 4057.5/2

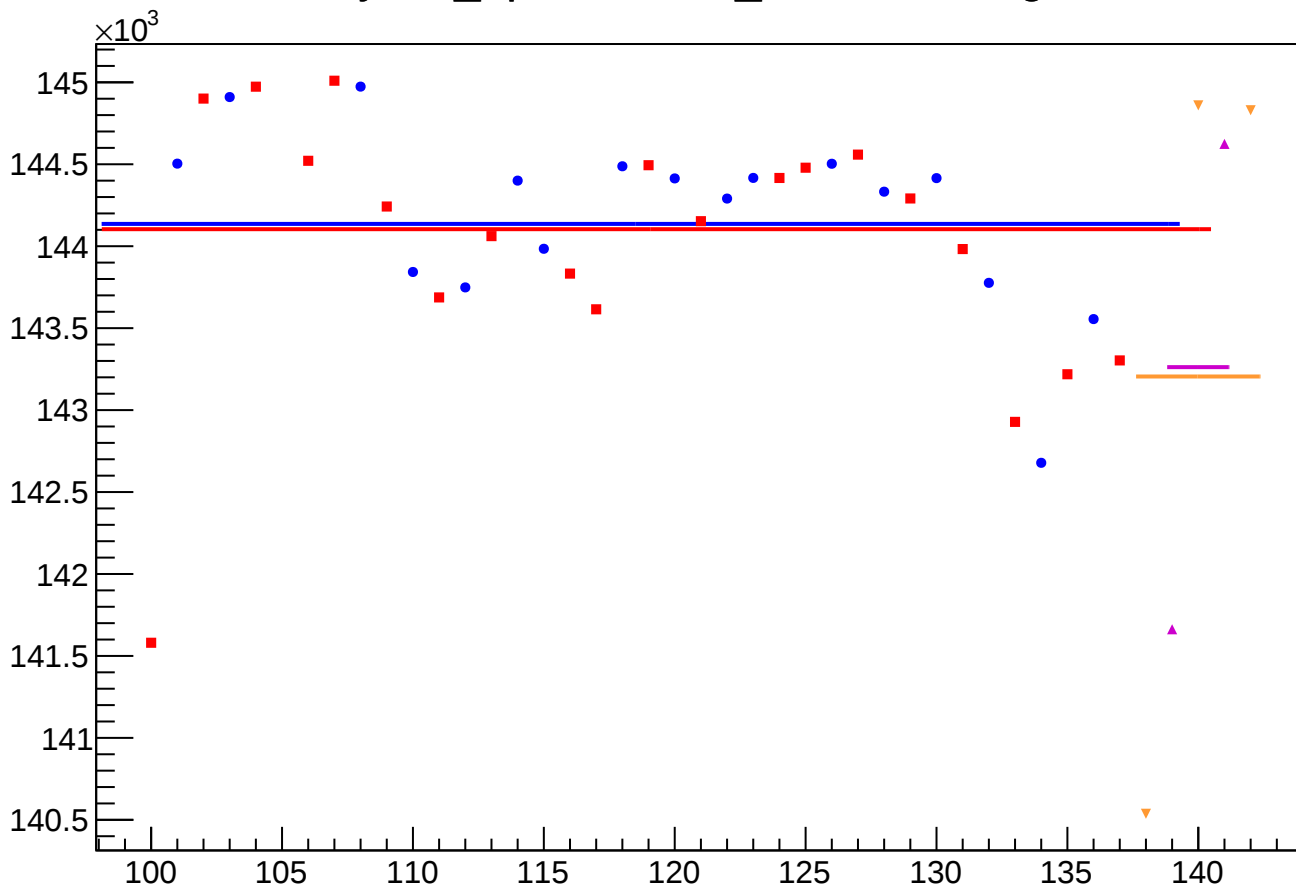
Right Out: 148.524 ± 0.042 χ^2/NDF : 1316113.9/19

Left In: 182.687 ± 0.106 χ^2/NDF : 301.0/1

160.793 ± 0.041 χ^2/NDF : 1207268.7/19

153.199 ± 0.039 χ^2/NDF : 1406670.9/21

yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 $\pm$ 0.067 χ^2 /NDF: 47069480.3/16

Left Out: 143205.034 $\pm$ 0.130 χ^2 /NDF: 260577814.4/2

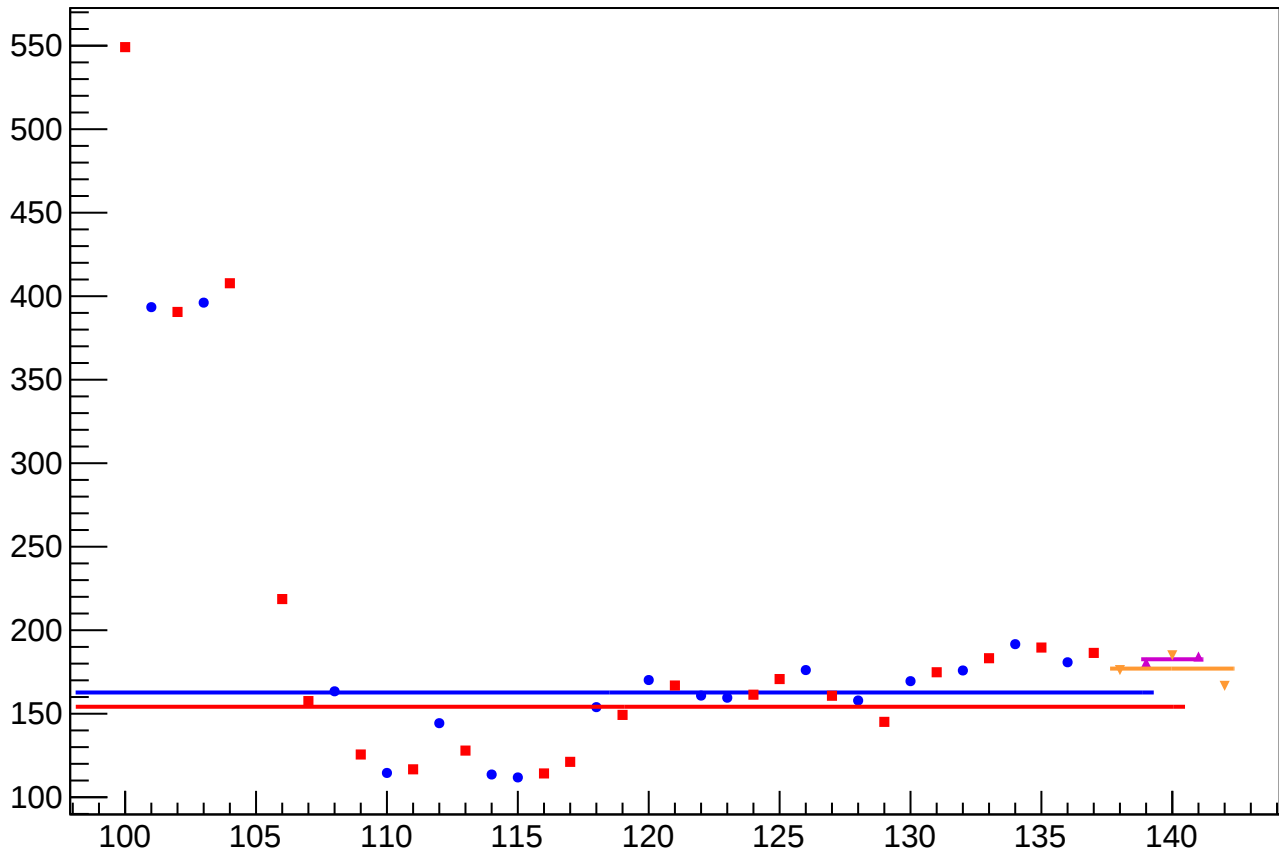
143941.004 $\pm$ 0.059 χ^2 /NDF: 348396827.4/19

Right Out: 144103.887 $\pm$ 0.062 χ^2 /NDF: 65973087.5/19

143981.562 $\pm$ 0.057 χ^2 /NDF: 191054981.2/21

Left In: 143262.171 $\pm$ 0.149 χ^2 /NDF: 97877931.3/1

yield_bpm0l08WS_rms vs Slug



Right In: 162.714 $\pm$ 0.047 χ^2/NDF : 1066482.0/16

Left Out: 177.021 $\pm$ 0.092 χ^2/NDF : 6002.6/2

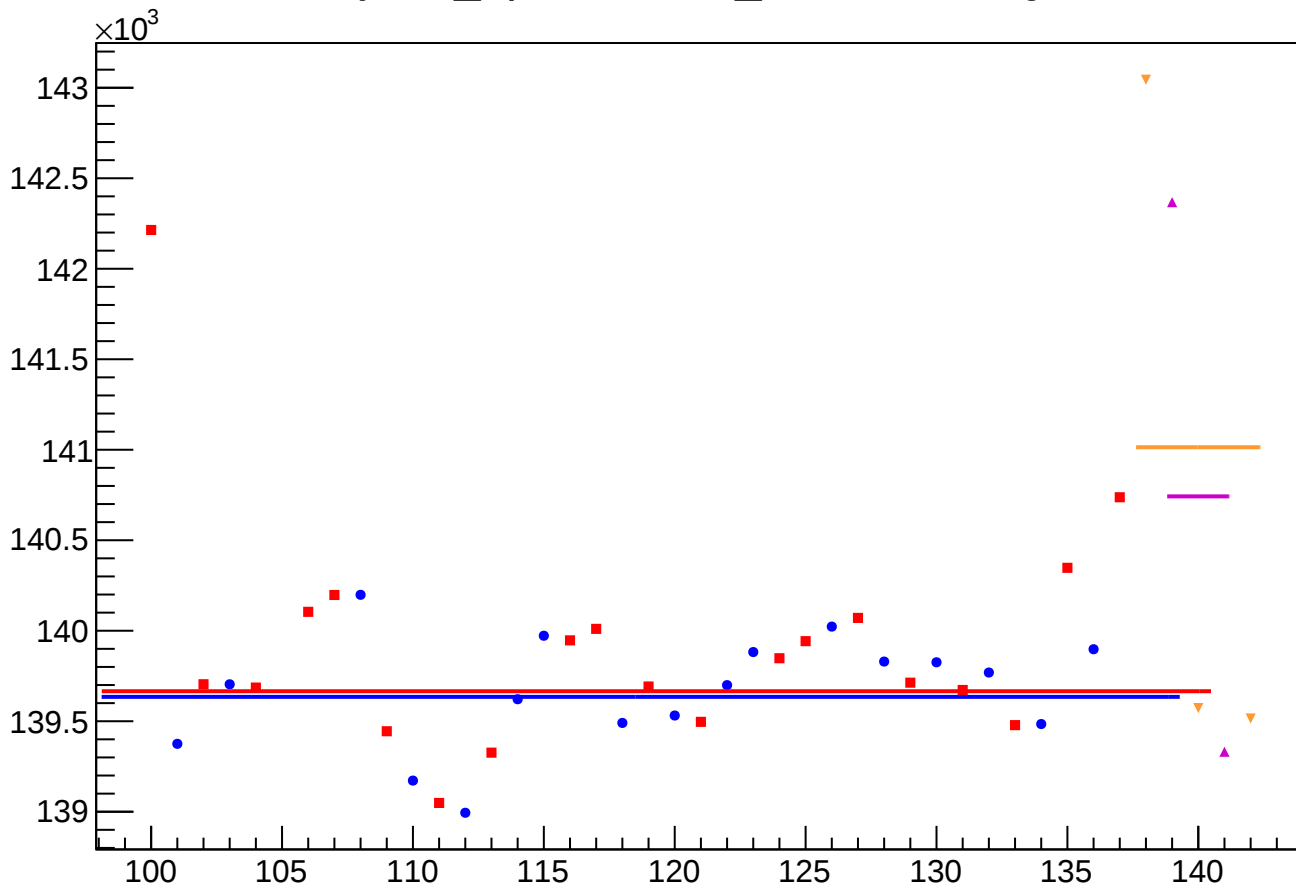
Right Out: 154.174 $\pm$ 0.044 χ^2/NDF : 1224004.2/19

Left In: 182.608 $\pm$ 0.105 χ^2/NDF : 293.3/1

165.712 $\pm$ 0.042 χ^2/NDF : 1091727.0/19

158.306 $\pm$ 0.040 χ^2/NDF : 1286388.2/21

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700 $\pm$ 0.068 χ^2 /NDF: 24844912.0/16

Left Out: 141013.864 $\pm$ 0.140 χ^2 /NDF: 151372118.8/2

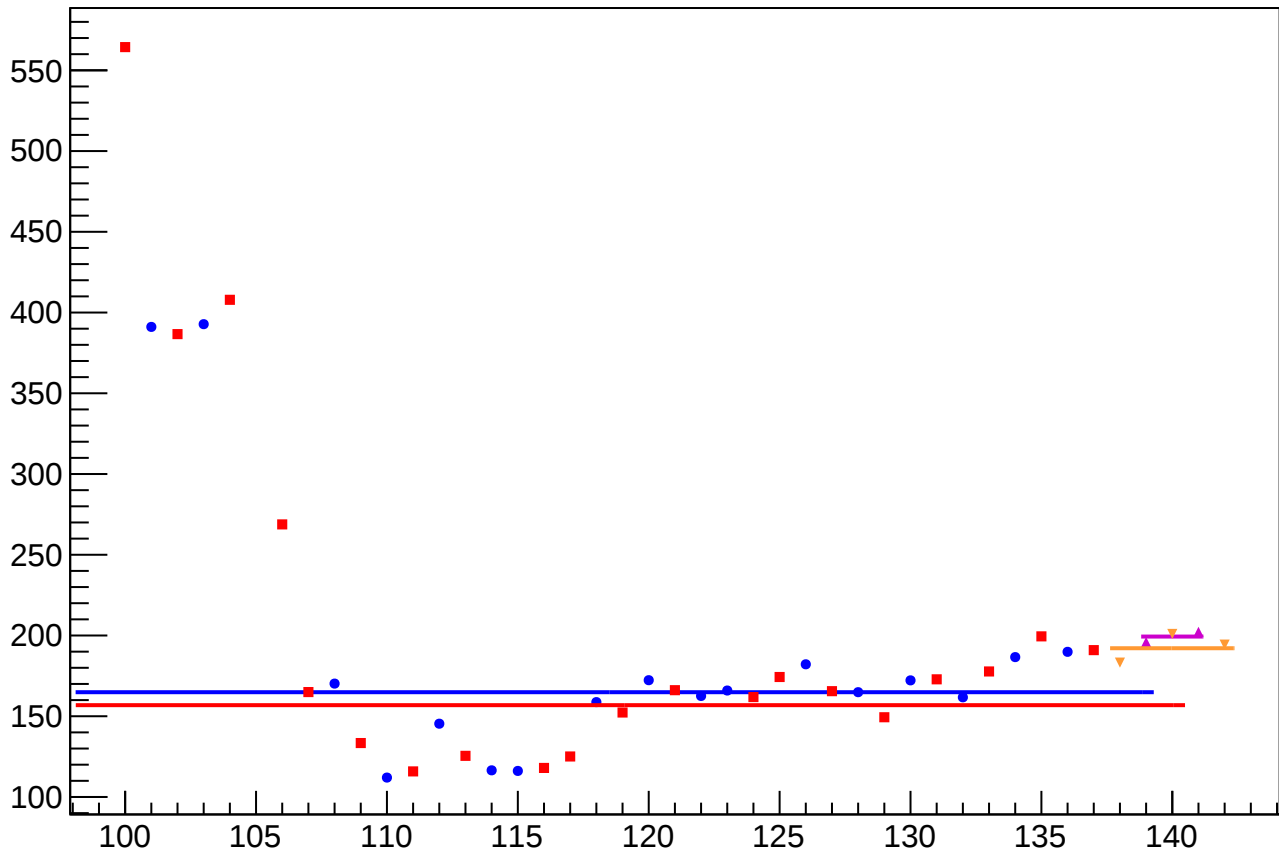
139896.326 $\pm$ 0.061 χ^2 /NDF: 254766054.8/19

Right Out: 139665.743 $\pm$ 0.063 χ^2 /NDF: 38703726.2/19

139804.852 $\pm$ 0.059 χ^2 /NDF: 163395511.6/21

Left In: 140742.346 $\pm$ 0.163 χ^2 /NDF: 86588946.3/1

yield_bpm0l09WS_rms vs Slug



Right In: 164.884+/-0.048 χ^2/NDF : 1066270.8/16

Left Out: 192.114+/-0.099 χ^2/NDF : 6419.3/2

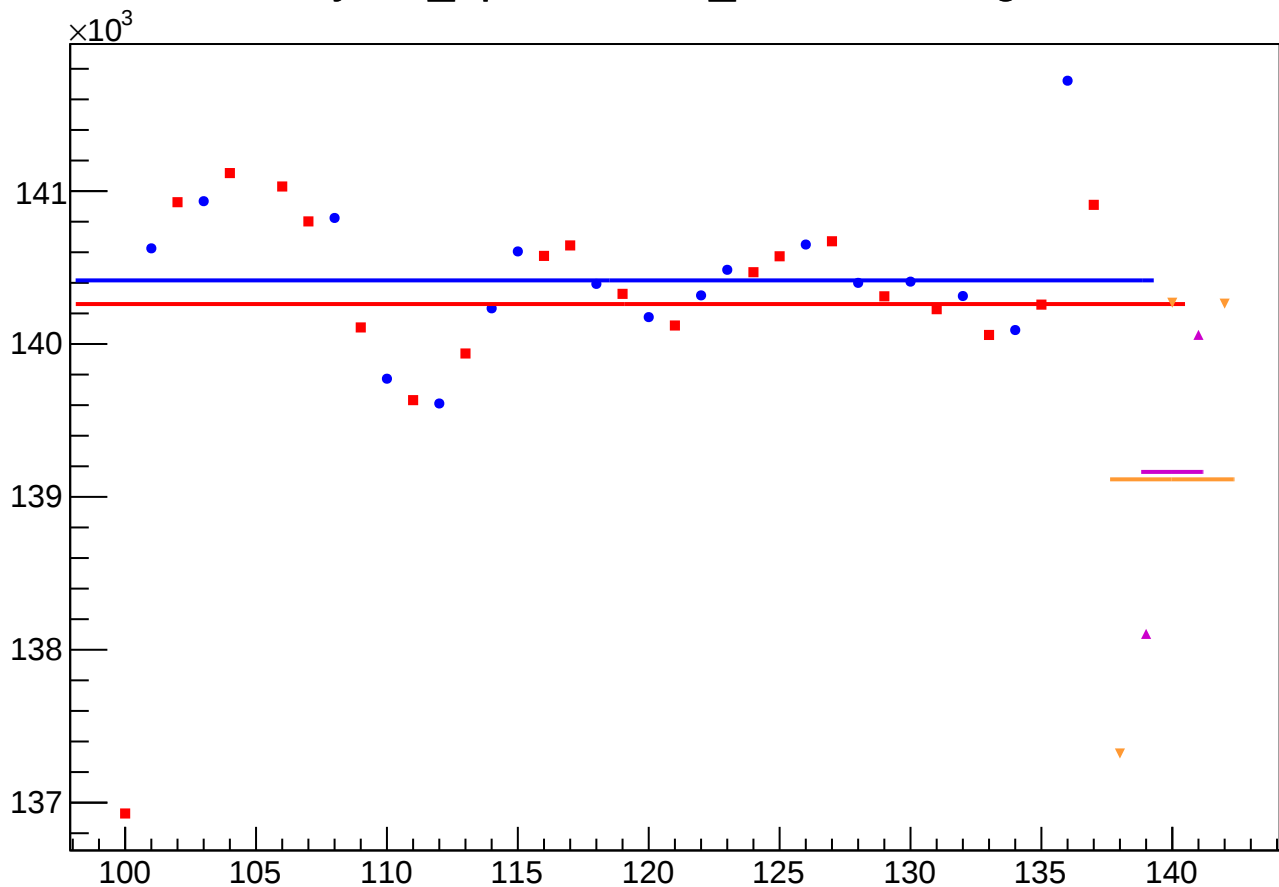
170.050+/-0.043 χ^2/NDF : 1133930.0/19

Right Out: 156.859+/-0.044 χ^2/NDF : 1250656.2/19

162.349+/-0.041 χ^2/NDF : 1370082.2/21

Left In: 199.345+/-0.115 χ^2/NDF : 749.3/1

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 ± 0.068 χ^2/NDF : 69975821.3/16

Left Out: 139114.726 ± 0.125 χ^2/NDF : 131544909.6/2

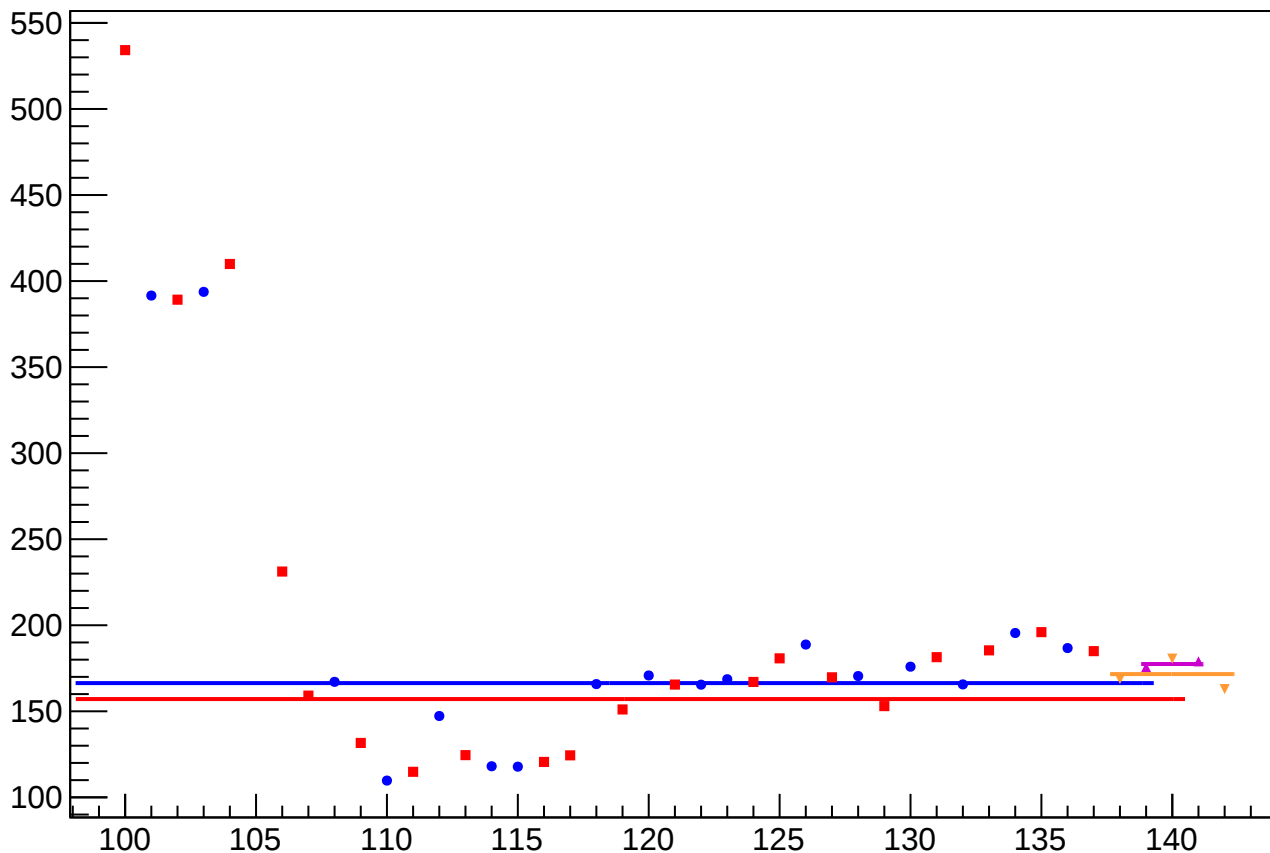
Right Out: 140261.267 ± 0.063 χ^2/NDF : 38479140.4/19

Left In: 139163.347 ± 0.145 χ^2/NDF : 45314518.4/1

140117.548 ± 0.060 χ^2/NDF : 284567300.0/19

140087.409 ± 0.058 χ^2/NDF : 132202383.3/21

yield_bpm0l10WS_rms vs Slug



Right In: 166.388 ± 0.048 χ^2/NDF : 1080964.8/16

Left Out: 171.621 ± 0.089 χ^2/NDF : 6523.3/2

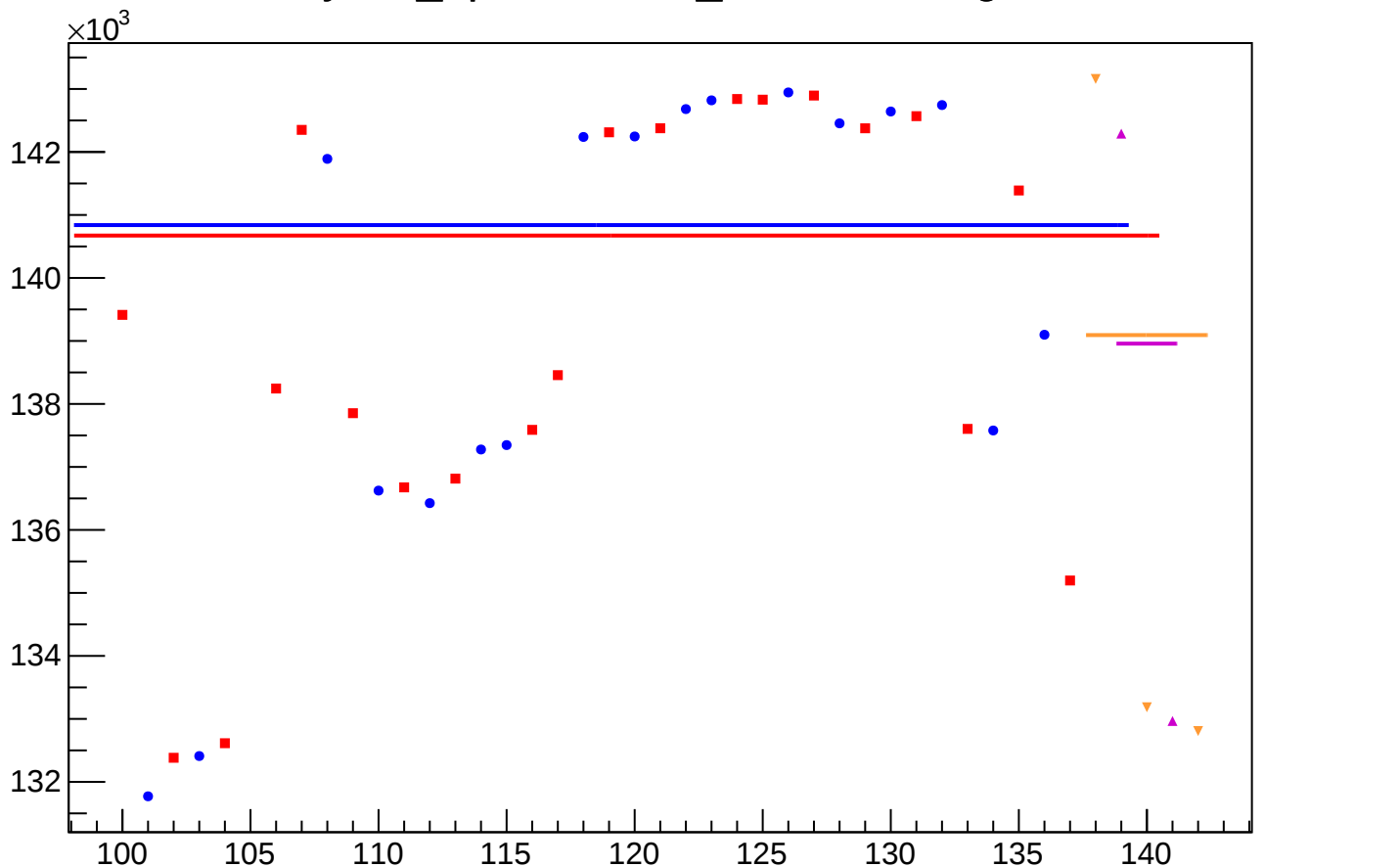
Right Out: 157.110 ± 0.044 χ^2/NDF : 1235934.7/19

Left In: 177.475 ± 0.102 χ^2/NDF : 275.7/1

167.588 ± 0.042 χ^2/NDF : 1090173.8/19

160.335 ± 0.041 χ^2/NDF : 1269517.8/21

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 $\pm$ 0.100 χ^2/NDF : 822682996.3/16

Left Out: 139093.029 $\pm$ 0.187 χ^2/NDF : 700725197.8/2

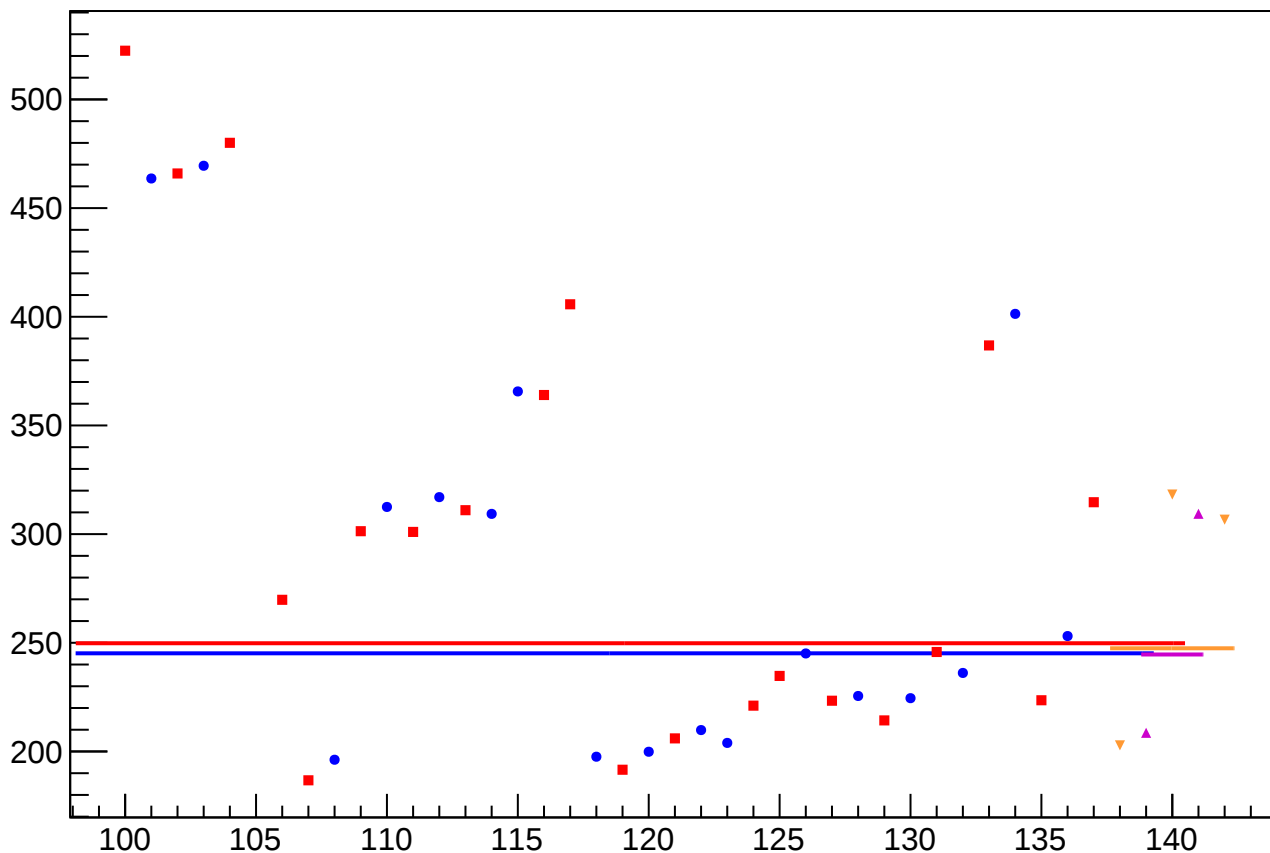
Right Out: 140672.898 $\pm$ 0.099 χ^2/NDF : 841965357.5/19

Left In: 138957.408 $\pm$ 0.206 χ^2/NDF : 469478459.6/1

140452.062 $\pm$ 0.088 χ^2/NDF : 1590979020.6/19

140351.775 $\pm$ 0.089 χ^2/NDF : 1367678879.0/21

yield_bpm0r03WS_rms vs Slug



Right In: 245.159+/-0.071 χ^2/NDF : 869491.6/16

Left Out: 247.470+/-0.133 χ^2/NDF : 169691.2/2

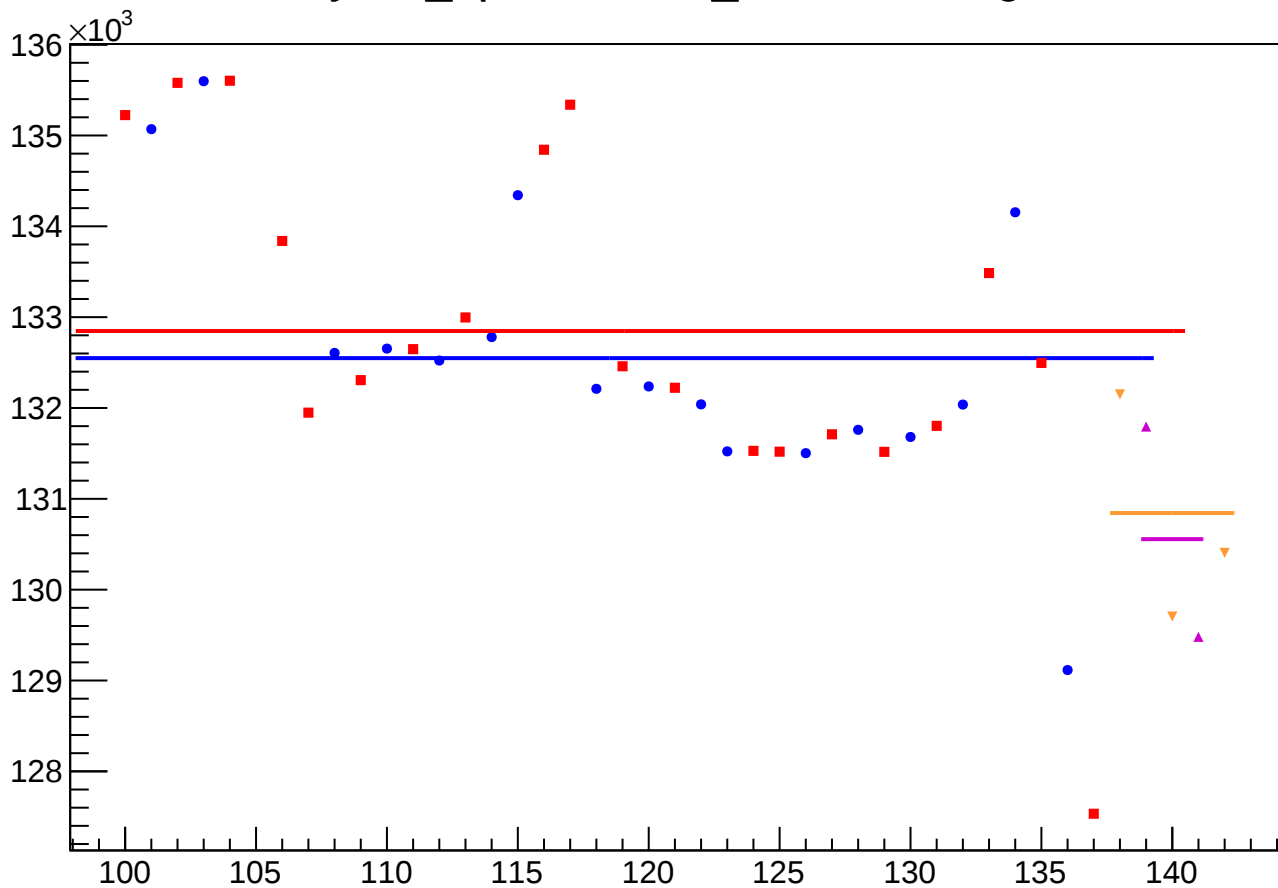
Right Out: 249.792+/-0.070 χ^2/NDF : 1022316.0/19

Left In: 244.619+/-0.146 χ^2/NDF : 109677.0/1

245.671+/-0.062 χ^2/NDF : 1039419.7/19

248.824+/-0.063 χ^2/NDF : 1133015.8/21

yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 $\pm$ 0.119 χ^2 /NDF: 161115079.9/16

Left Out: 130843.620 $\pm$ 0.136 χ^2 /NDF: 65335975.4/2

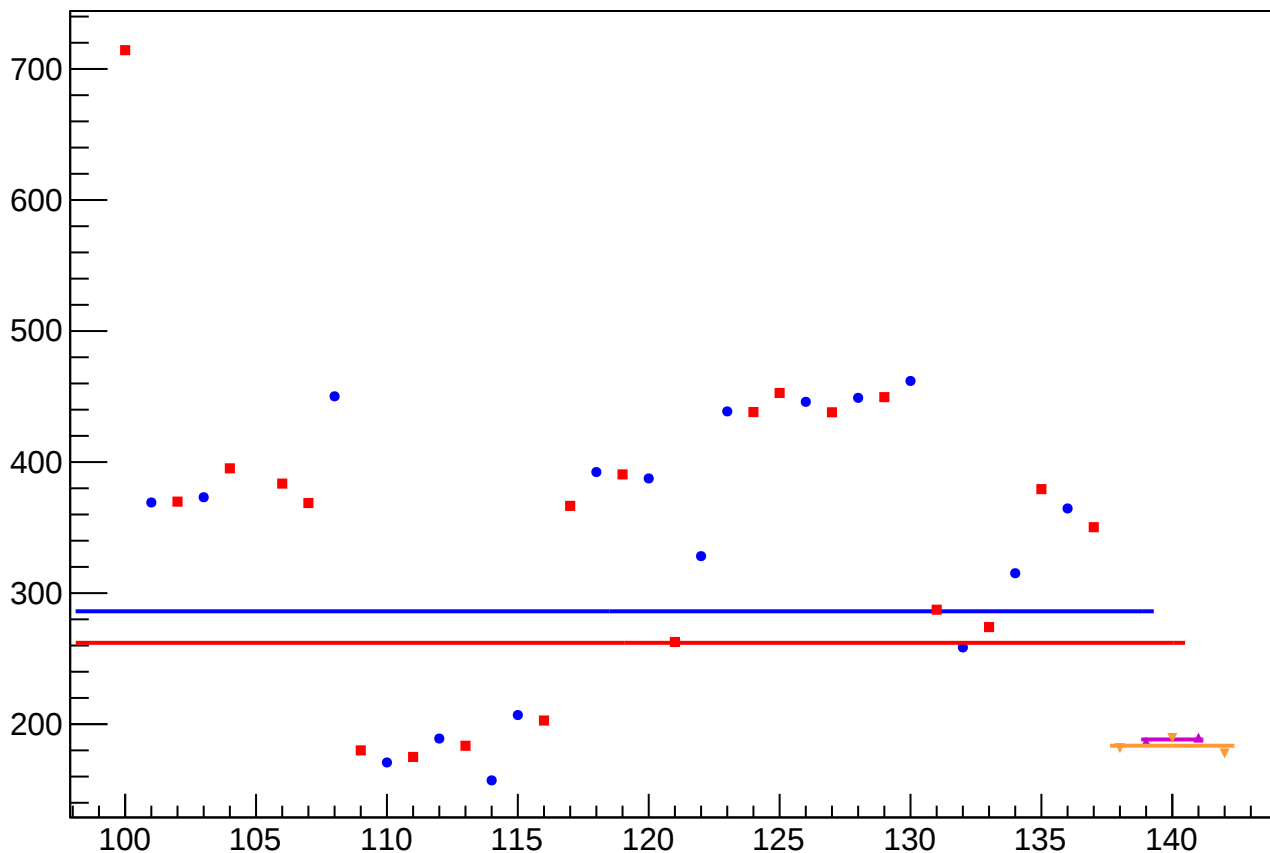
Right Out: 132847.502 $\pm$ 0.107 χ^2 /NDF: 151618589.4/19

Left In: 130556.247 $\pm$ 0.155 χ^2 /NDF: 55682171.7/1

131803.739 $\pm$ 0.090 χ^2 /NDF: 315624543.4/19

132107.249 $\pm$ 0.088 χ^2 /NDF: 355714835.2/21

yield_bpm0r05WS_rms vs Slug



Right In: 286.122 $\pm$ 0.084 χ^2 /NDF: 1525266.4/16

Left Out: 183.552 $\pm$ 0.096 χ^2 /NDF:2400.0/2

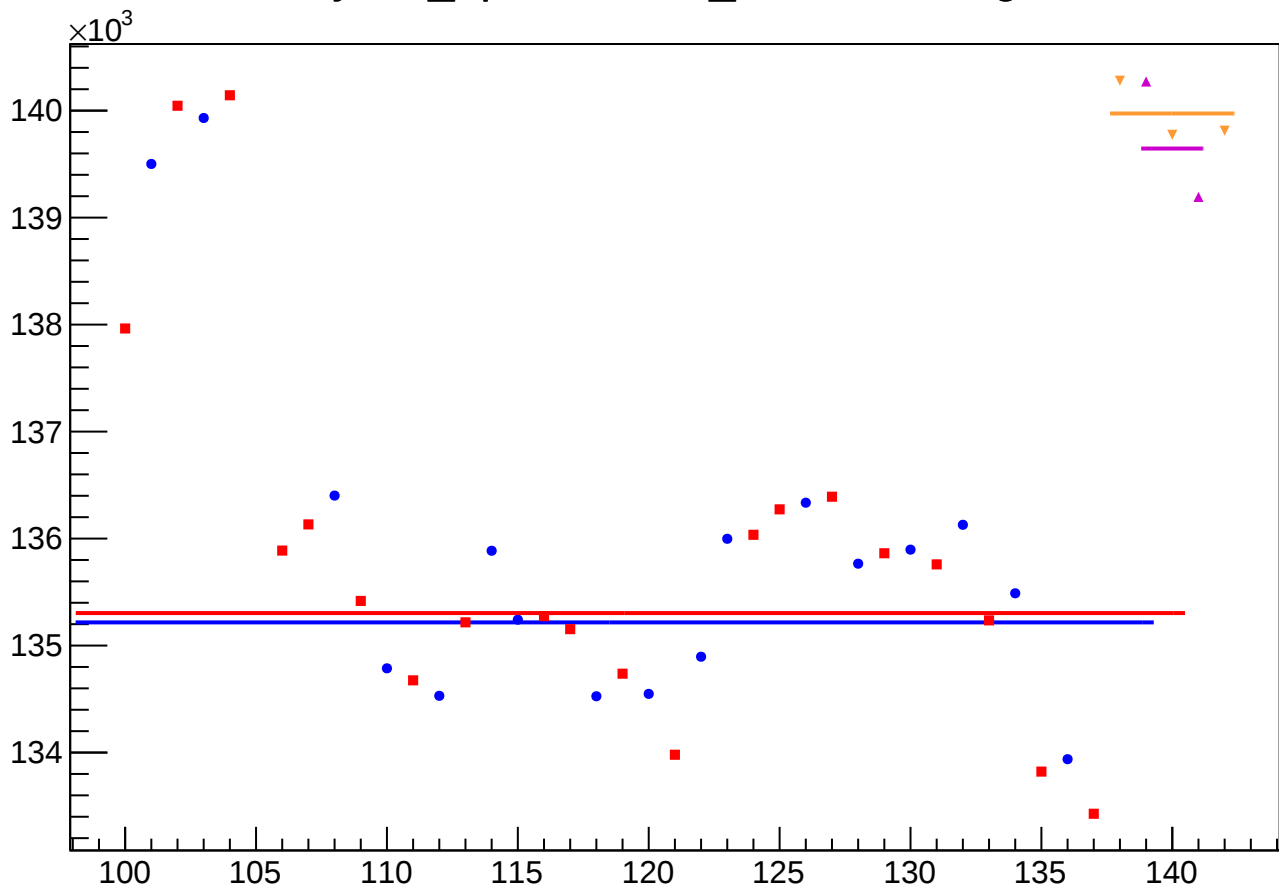
Right Out: 262.073 $\pm$ 0.076 χ^2 /NDF: 1630239.5/19

Left In: 188.310 $\pm$ 0.109 χ^2 /NDF:204.8/1

241.302 $\pm$ 0.063 χ^2 /NDF: 2172910.1/19

238.242 $\pm$ 0.062 χ^2 /NDF: 1938074.5/21

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 $\pm$ 0.054 χ^2/NDF : 371347707.3/16

Left Out: 139973.248 $\pm$ 0.125 χ^2/NDF : 3612774.1/2

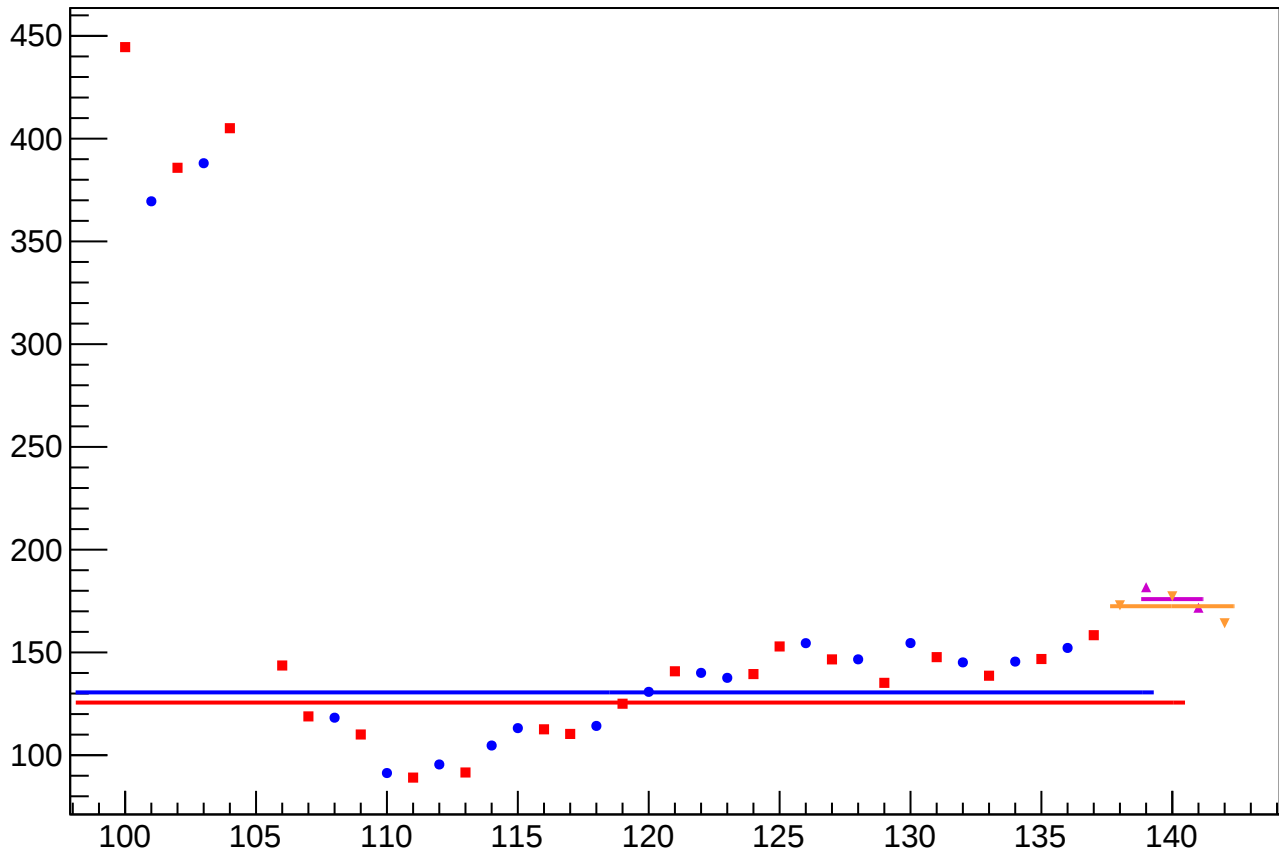
Right Out: 135303.736 $\pm$ 0.051 χ^2/NDF : 357717935.5/19

Left In: 139645.687 $\pm$ 0.143 χ^2/NDF : 13850404.1/1

135969.898 $\pm$ 0.050 χ^2/NDF : 1587734866.9/19

135791.793 $\pm$ 0.048 χ^2/NDF : 1189346153.2/21

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 $\pm$ 0.038 χ^2 /NDF: 1373104.9/16

Left Out: 172.483 $\pm$ 0.089 χ^2 /NDF:3265.0/2

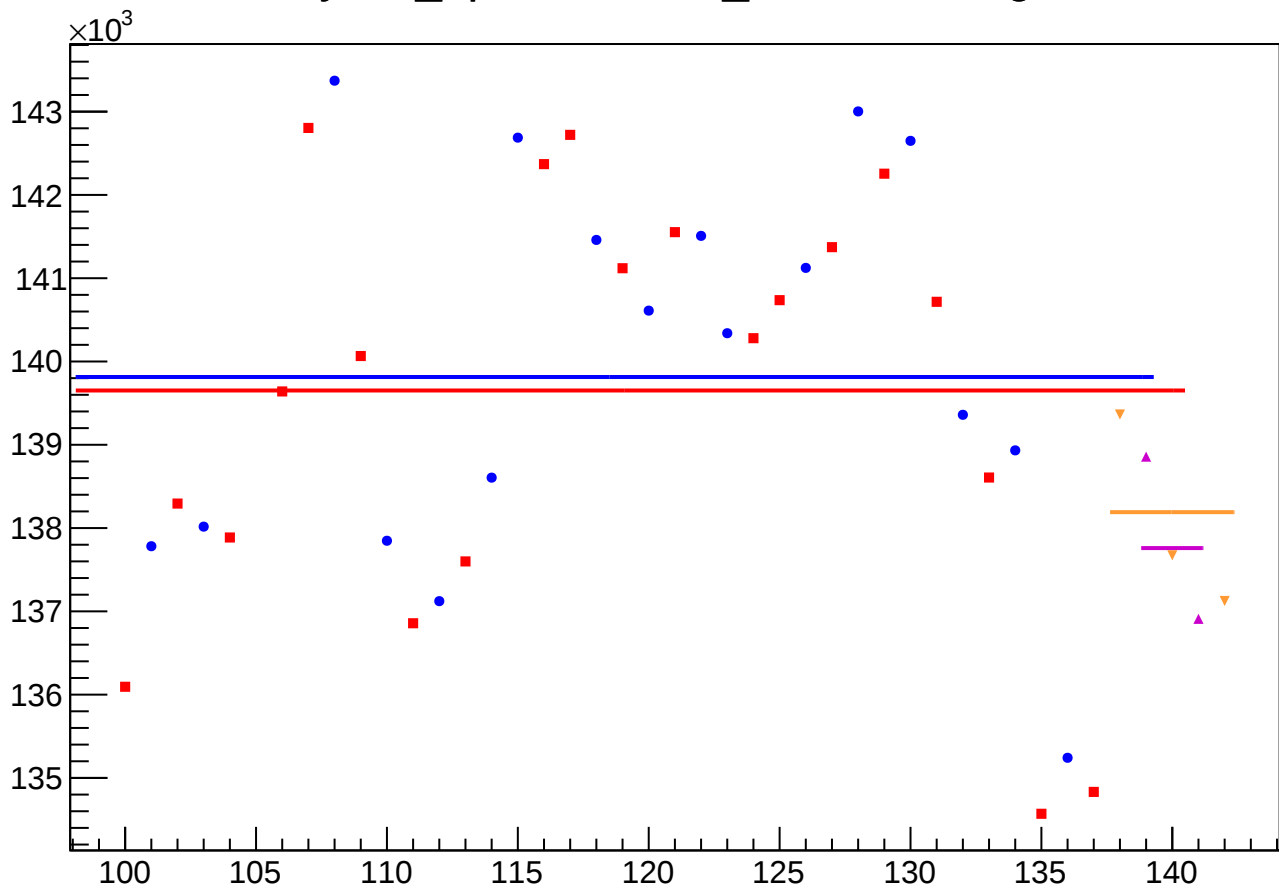
137.192 $\pm$ 0.035 χ^2 /NDF: 1564859.9/19

Right Out: 125.603 $\pm$ 0.036 χ^2 /NDF: 1441677.4/19

131.262 $\pm$ 0.034 χ^2 /NDF: 1663924.1/21

Left In: 175.947 $\pm$ 0.101 χ^2 /NDF:2366.2/1

yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 $\pm$ 0.062 χ^2 /NDF: 1689865533.6/16

Left Out: 138191.060 $\pm$ 0.124 χ^2 /NDF: 59062466.0/2

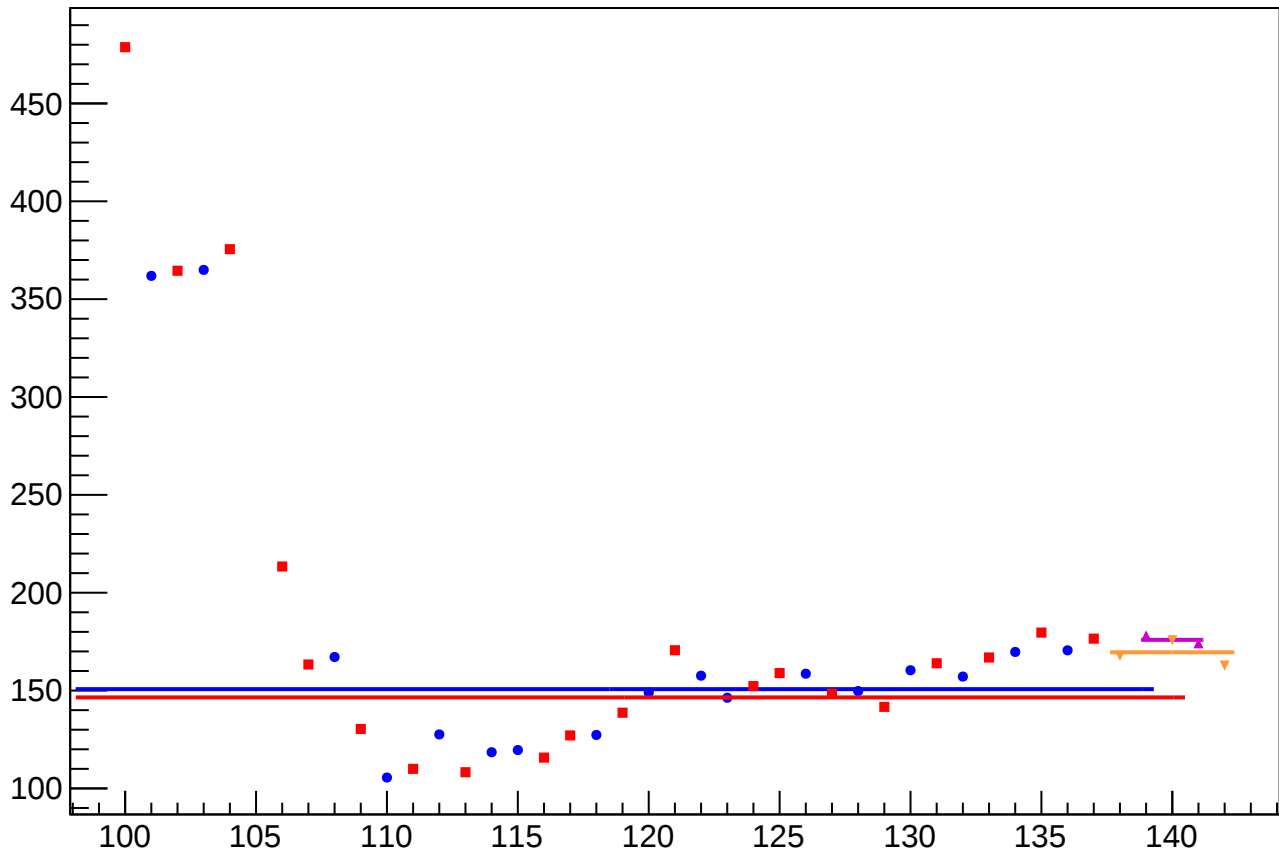
139488.047 $\pm$ 0.055 χ^2 /NDF: 1886720100.6/19

Right Out: 139651.821 $\pm$ 0.059 χ^2 /NDF: 1531019137.4/19

139379.243 $\pm$ 0.054 χ^2 /NDF: 1725935689.0/21

Left In: 137759.737 $\pm$ 0.143 χ^2 /NDF: 45483923.9/1

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733 ± 0.044 χ^2/NDF : 1050071.6/16

Left Out: 169.554 ± 0.087 χ^2/NDF : 3491.2/2

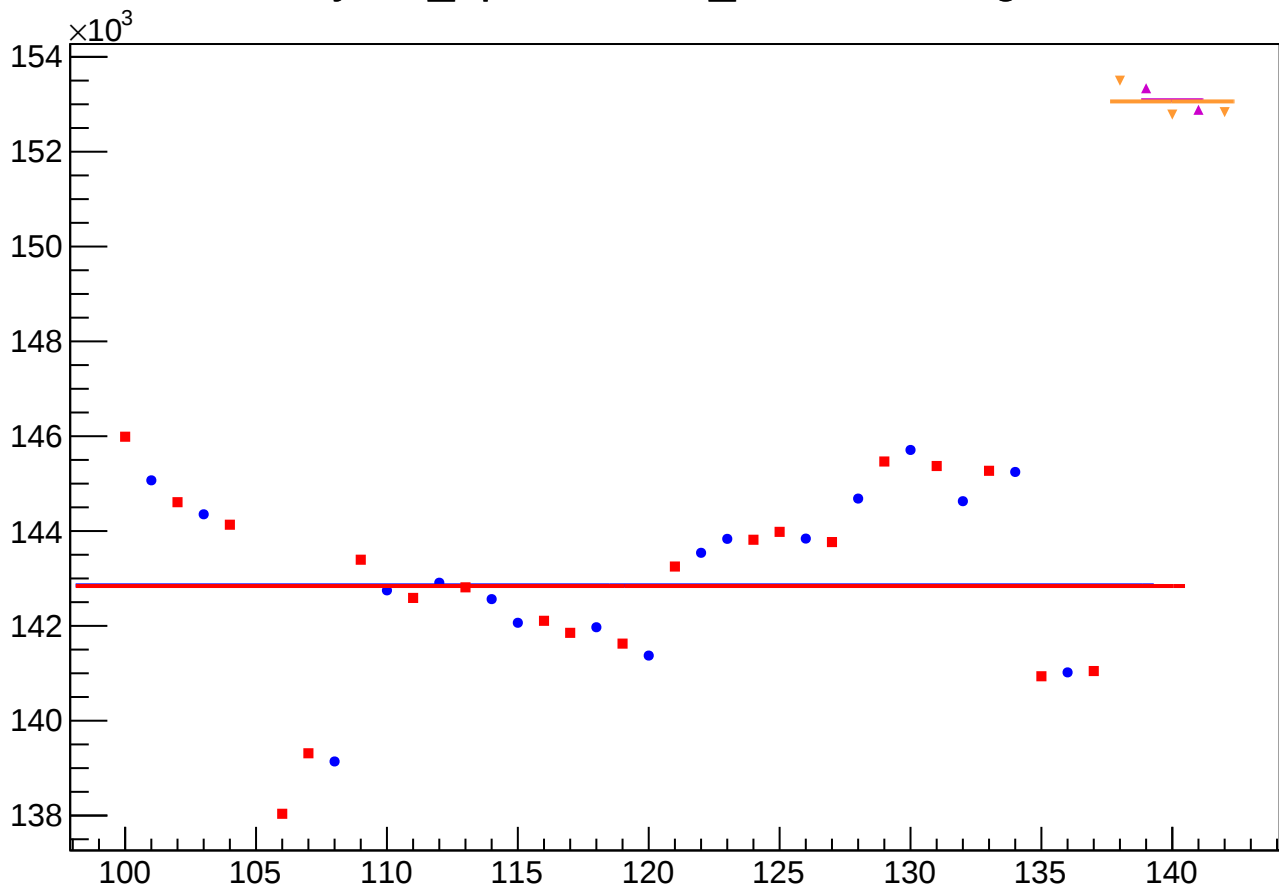
Right Out: 146.506 ± 0.042 χ^2/NDF : 1205131.2/19

Left In: 175.912 ± 0.101 χ^2/NDF : 386.5/1

154.510 ± 0.039 χ^2/NDF : 1090640.7/19

150.742 ± 0.038 χ^2/NDF : 1277705.1/21

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065 χ^2 /NDF: 740367386.5/16

Left Out: 153060.461 $\pm$ 0.129 χ^2 /NDF: 6808309.8/2

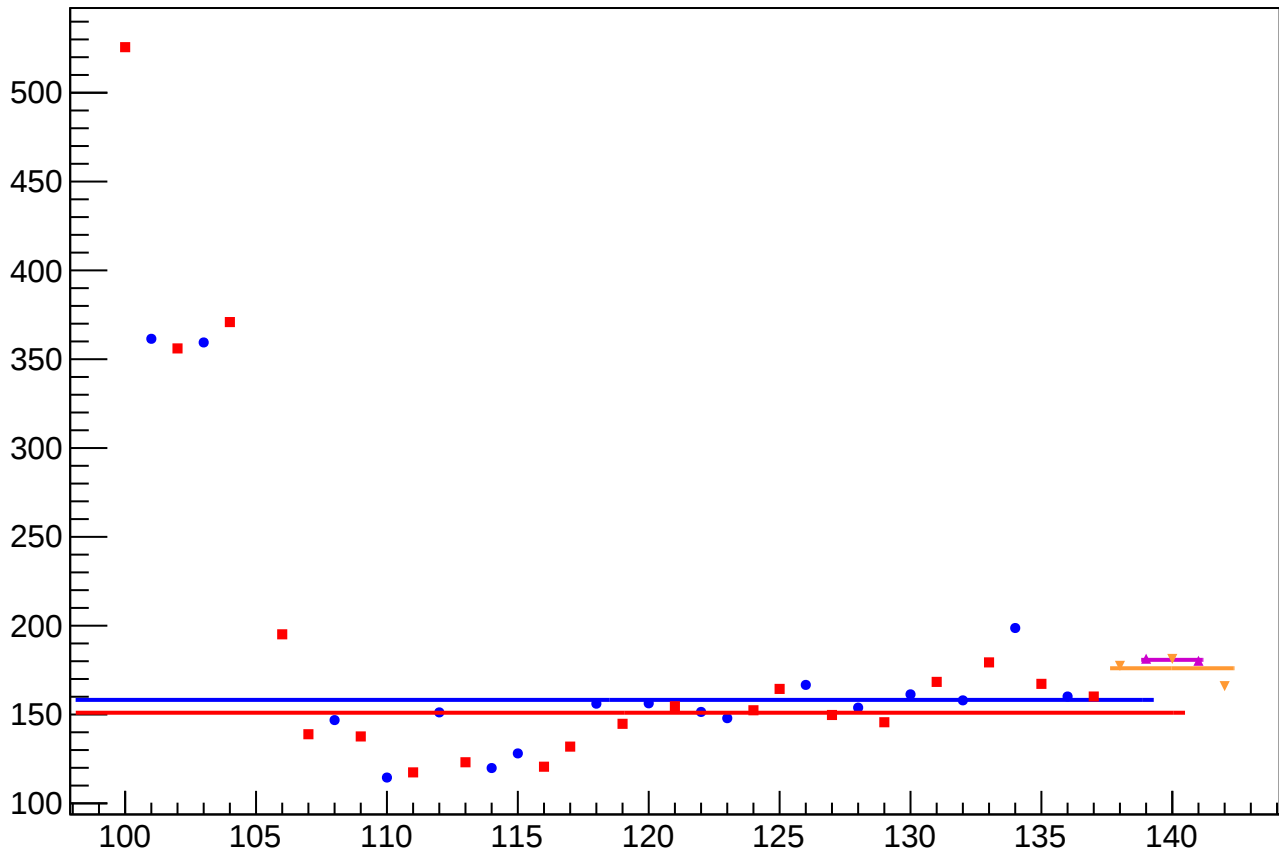
Right Out: 142840.509 $\pm$ 0.060 χ^2 /NDF: 852484333.4/19

Left In: 153085.845 $\pm$ 0.147 χ^2 /NDF: 2346260.7/1

144909.120 $\pm$ 0.058 χ^2 /NDF: 5762967430.0/19

144304.532 $\pm$ 0.056 χ^2 /NDF: 5003741723.7/21

yield_bpm0i05WS_rms vs Slug



Right In: 158.233 ± 0.046 χ^2/NDF : 883513.4/16

Left Out: 176.044 ± 0.091 χ^2/NDF : 4381.9/2

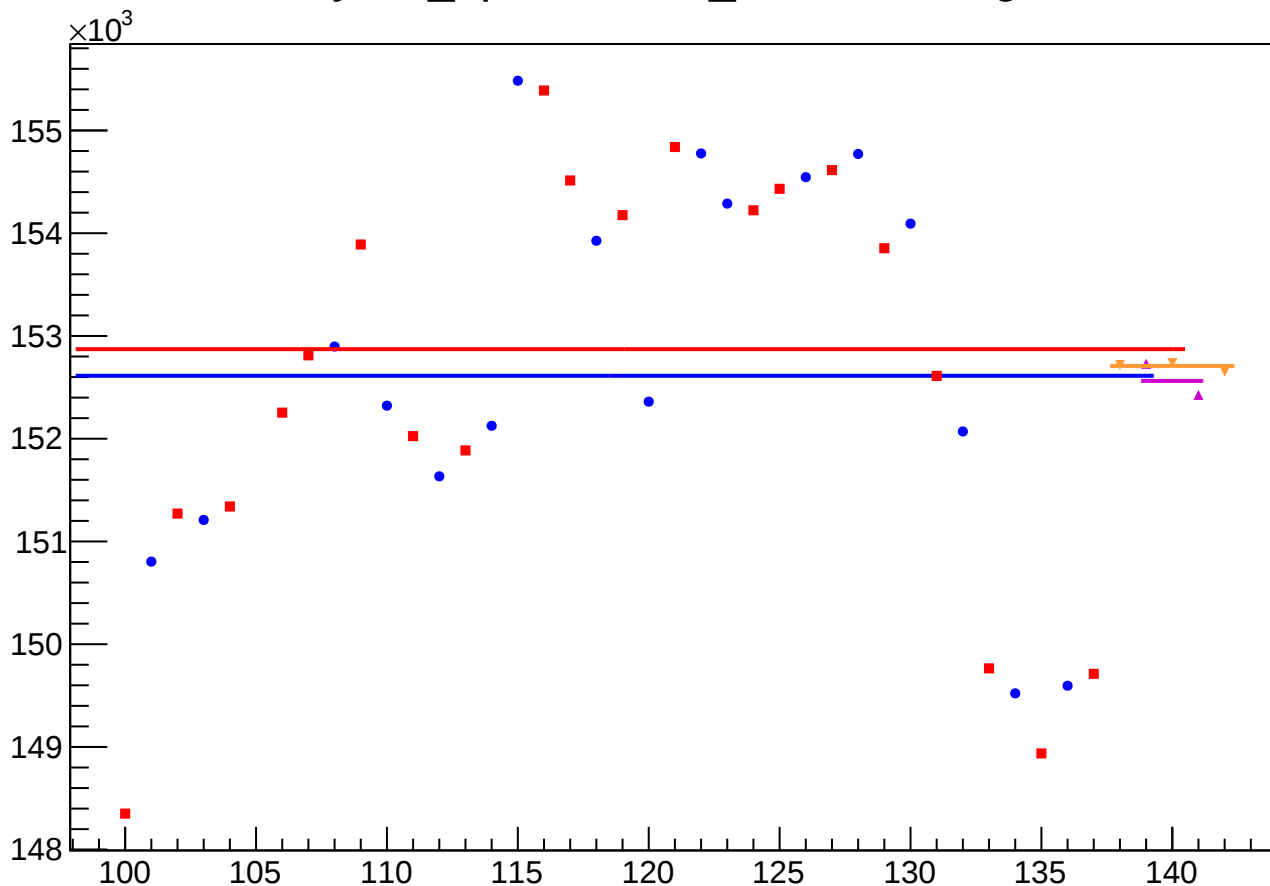
Right Out: 151.003 ± 0.043 χ^2/NDF : 1005104.9/19

Left In: 180.773 ± 0.104 χ^2/NDF : 30.9/1

161.819 ± 0.041 χ^2/NDF : 918446.1/19

155.257 ± 0.039 χ^2/NDF : 1075195.4/21

yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 ± 0.072 χ^2/NDF : 621416187.4/16

Left Out: 152708.230 ± 0.127 χ^2/NDF : 67339.4/2

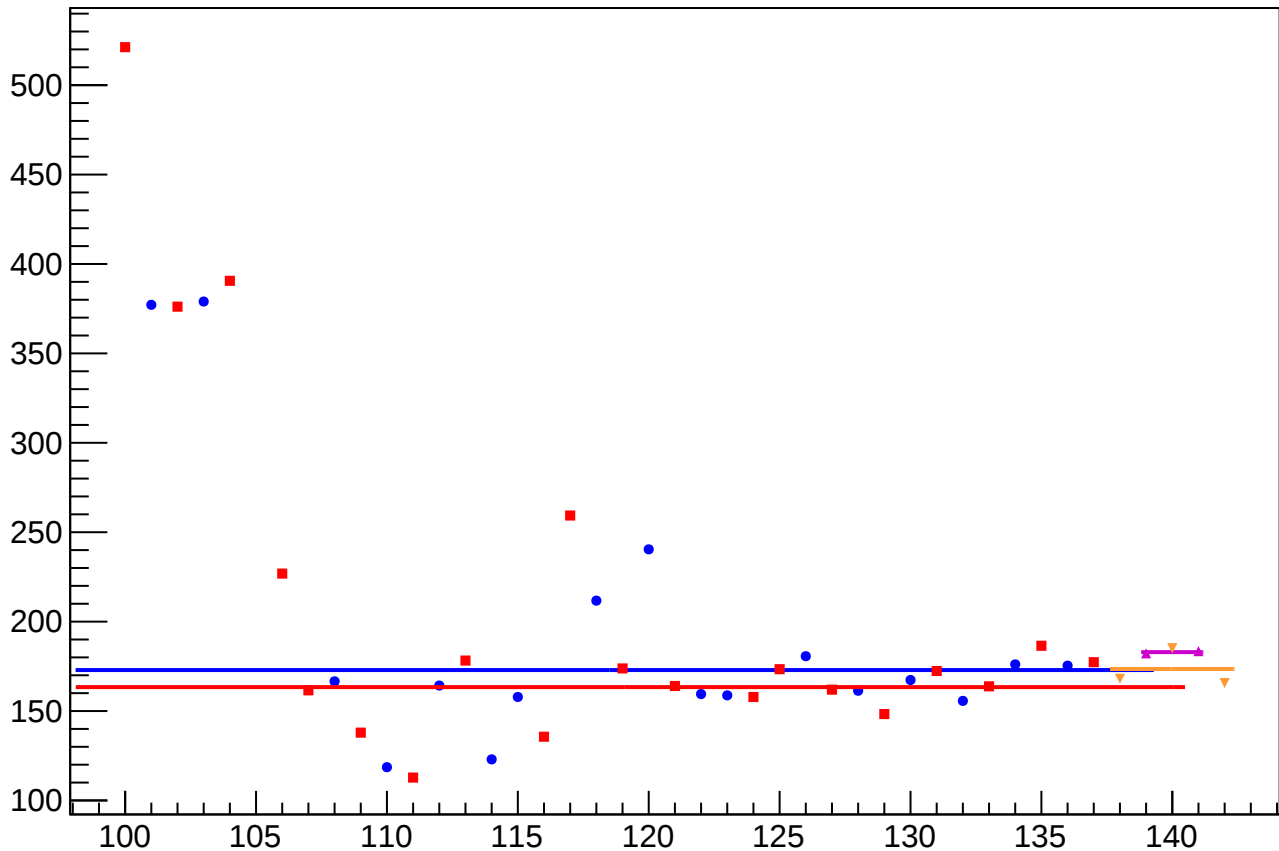
Right Out: 152871.618 ± 0.066 χ^2/NDF : 720639345.6/19

Left In: 152562.695 ± 0.149 χ^2/NDF : 1025465.4/1

152636.066 ± 0.063 χ^2/NDF : 621914748.5/19

152820.716 ± 0.060 χ^2/NDF : 725260239.9/21

yield_bpm0i07WS_rms vs Slug



Right In: 172.921 ± 0.051 χ^2/NDF : 941954.0/16

Left Out: 173.523 ± 0.089 χ^2/NDF : 9368.7/2

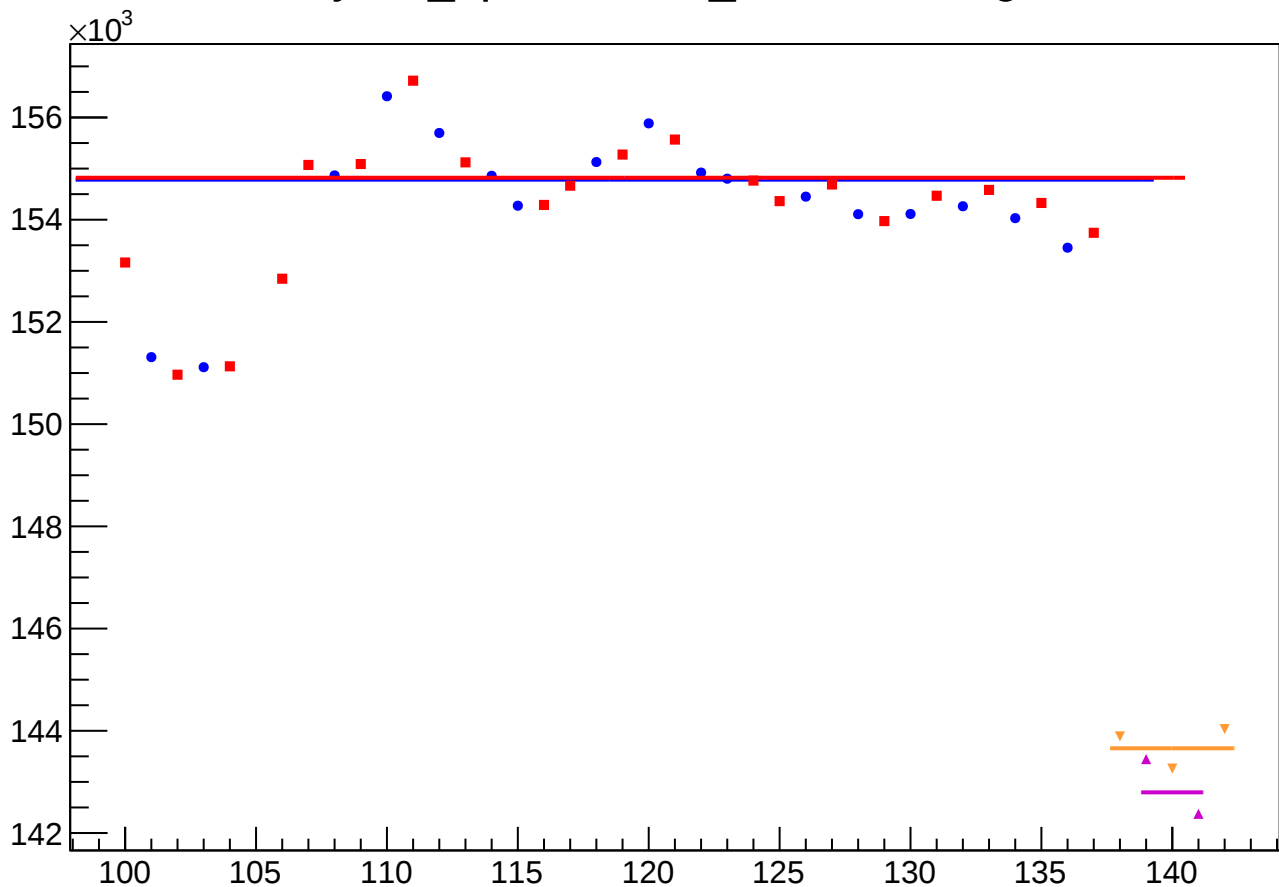
173.069 ± 0.044 χ^2/NDF : 951356.8/19

Right Out: 163.382 ± 0.047 χ^2/NDF : 1044431.2/19

166.605 ± 0.043 χ^2/NDF : 1073304.0/21

Left In: 182.945 ± 0.105 χ^2/NDF : 33.9/1

yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 $\pm$ 0.065 χ^2 /NDF: 265581398.0/16

Left Out: 143657.667 $\pm$ 0.122 χ^2 /NDF: 7968754.6/2

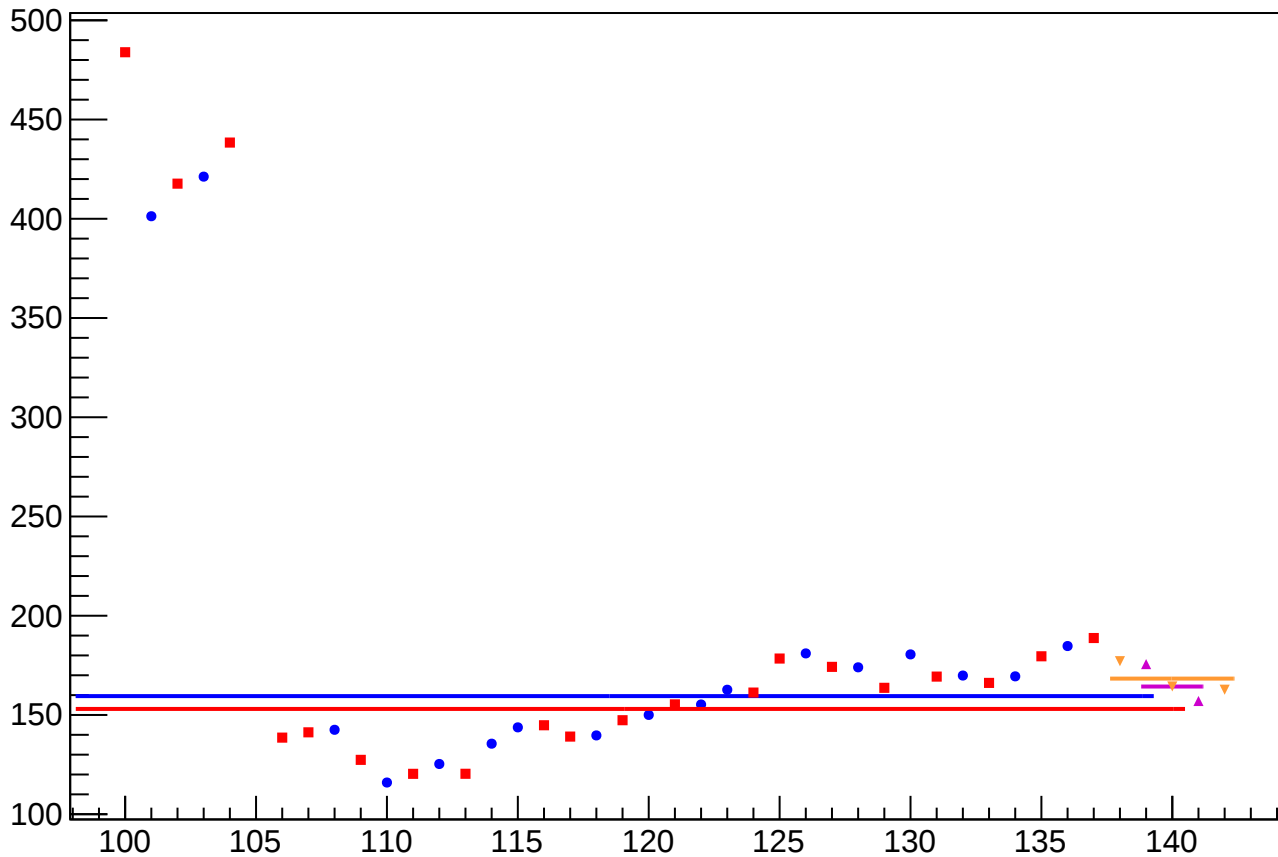
Right Out: 154820.824 $\pm$ 0.061 χ^2 /NDF: 293904936.4/19

Left In: 142795.598 $\pm$ 0.134 χ^2 /NDF: 15245703.5/1

152302.810 $\pm$ 0.058 χ^2 /NDF: 6734112204.7/19

152771.010 $\pm$ 0.055 χ^2 /NDF: 7013267512.5/21

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 ± 0.046 χ^2/NDF : 1131844.5/16

Left Out: 168.322 ± 0.086 χ^2/NDF : 5404.0/2

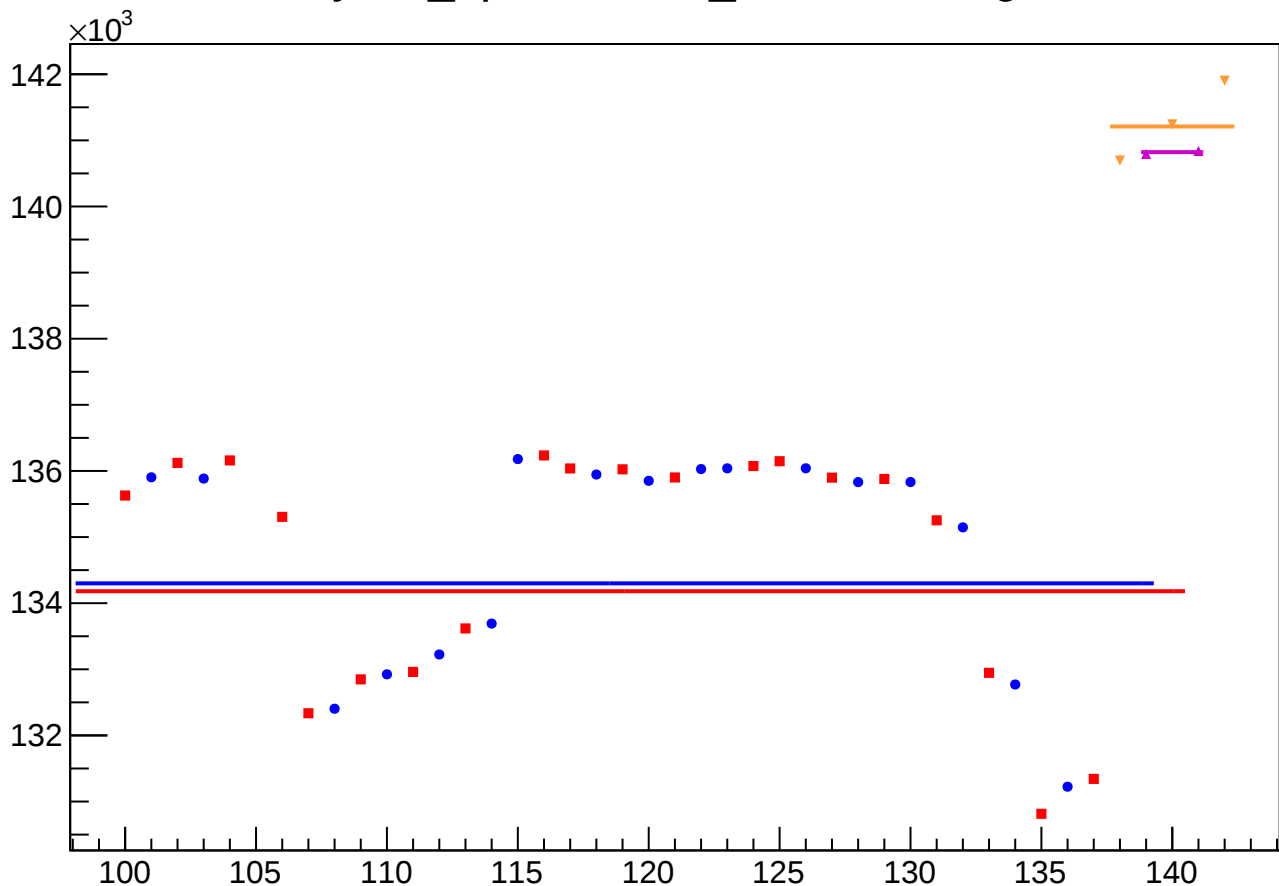
161.470 ± 0.041 χ^2/NDF : 1145364.7/19

Right Out: 153.038 ± 0.043 χ^2/NDF : 1174616.4/19

154.962 ± 0.039 χ^2/NDF : 1195637.2/21

Left In: 164.328 ± 0.095 χ^2/NDF : 9200.9/1

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 $\pm$ 0.050 χ^2 /NDF: 1149581803.2/16

Left Out: 141210.229 $\pm$ 0.118 χ^2 /NDF: 14529819.9/2

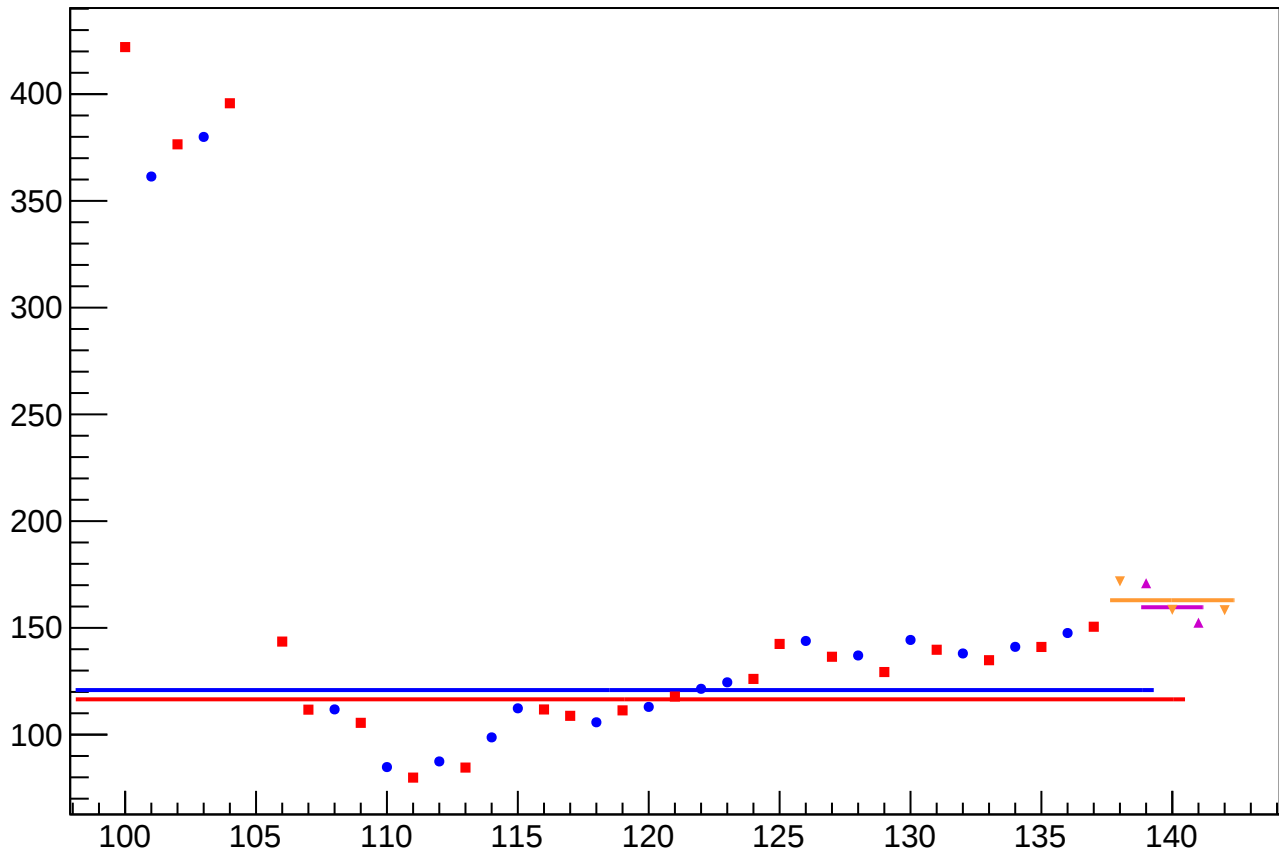
Right Out: 134180.888 $\pm$ 0.047 χ^2 /NDF: 1224202240.2/19

Left In: 140821.840 $\pm$ 0.130 χ^2 /NDF: 30114.1/1

135360.710 $\pm$ 0.046 χ^2 /NDF: 4056210426.9/19

134953.926 $\pm$ 0.044 χ^2 /NDF: 3528616380.7/21

yield_bpm1i04WS_rms vs Slug



Right In: 120.872 $\pm$ 0.036 χ^2 /NDF: 1463728.4/16

Left Out: 162.950 $\pm$ 0.084 χ^2 /NDF: 5763.7/2

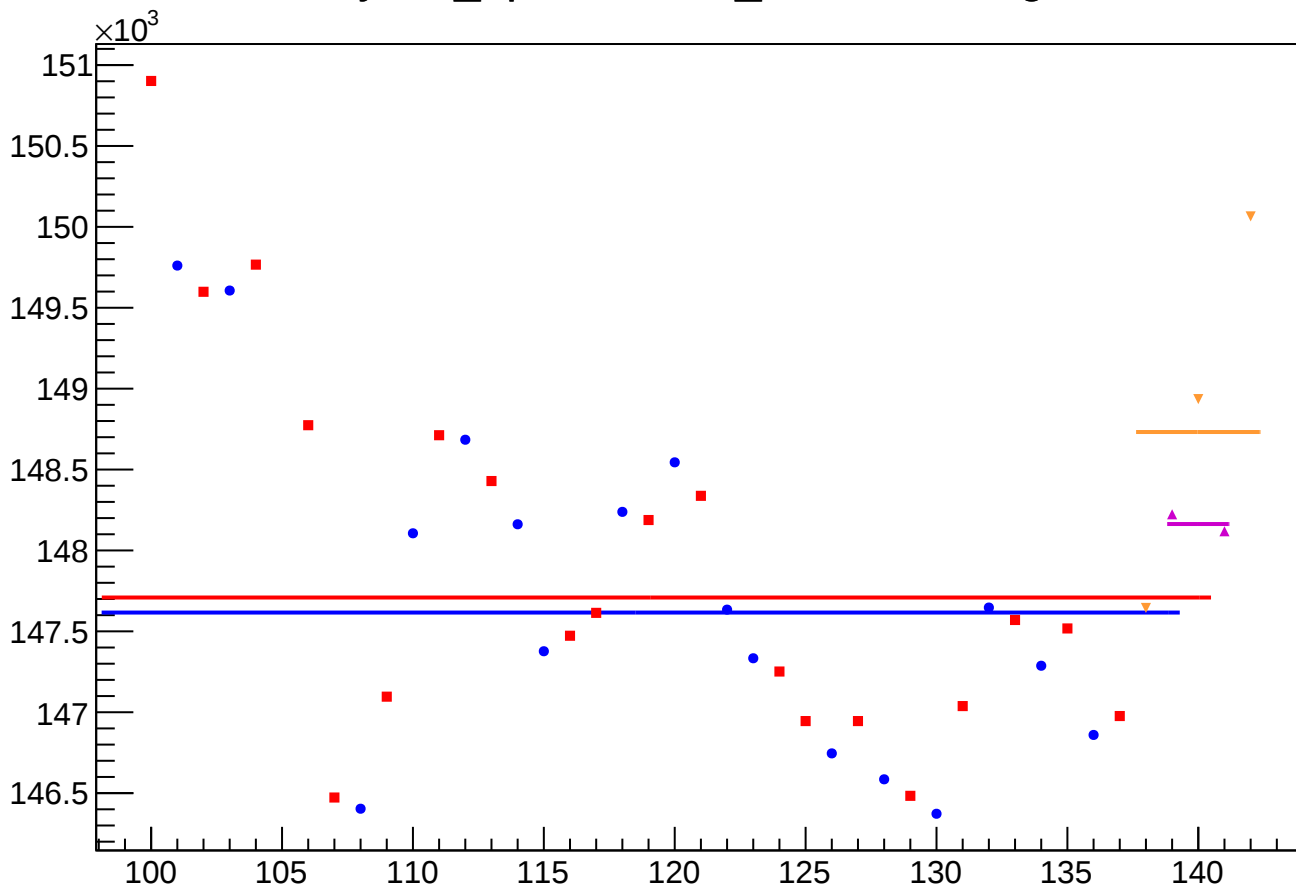
127.331 $\pm$ 0.033 χ^2 /NDF: 1683958.4/19

Right Out: 116.531 $\pm$ 0.033 χ^2 /NDF: 1541779.4/19

121.553 $\pm$ 0.031 χ^2 /NDF: 1745877.2/21

Left In: 159.670 $\pm$ 0.092 χ^2 /NDF: 9624.6/1

yield_bpm1i06WS_mean vs Slug



Right In: 147616.150 ± 0.062 $\chi^2/\text{NDF}: 199263428.7/16$

Left Out: 148732.032 ± 0.142 $\chi^2/\text{NDF}: 42920267.2/2$

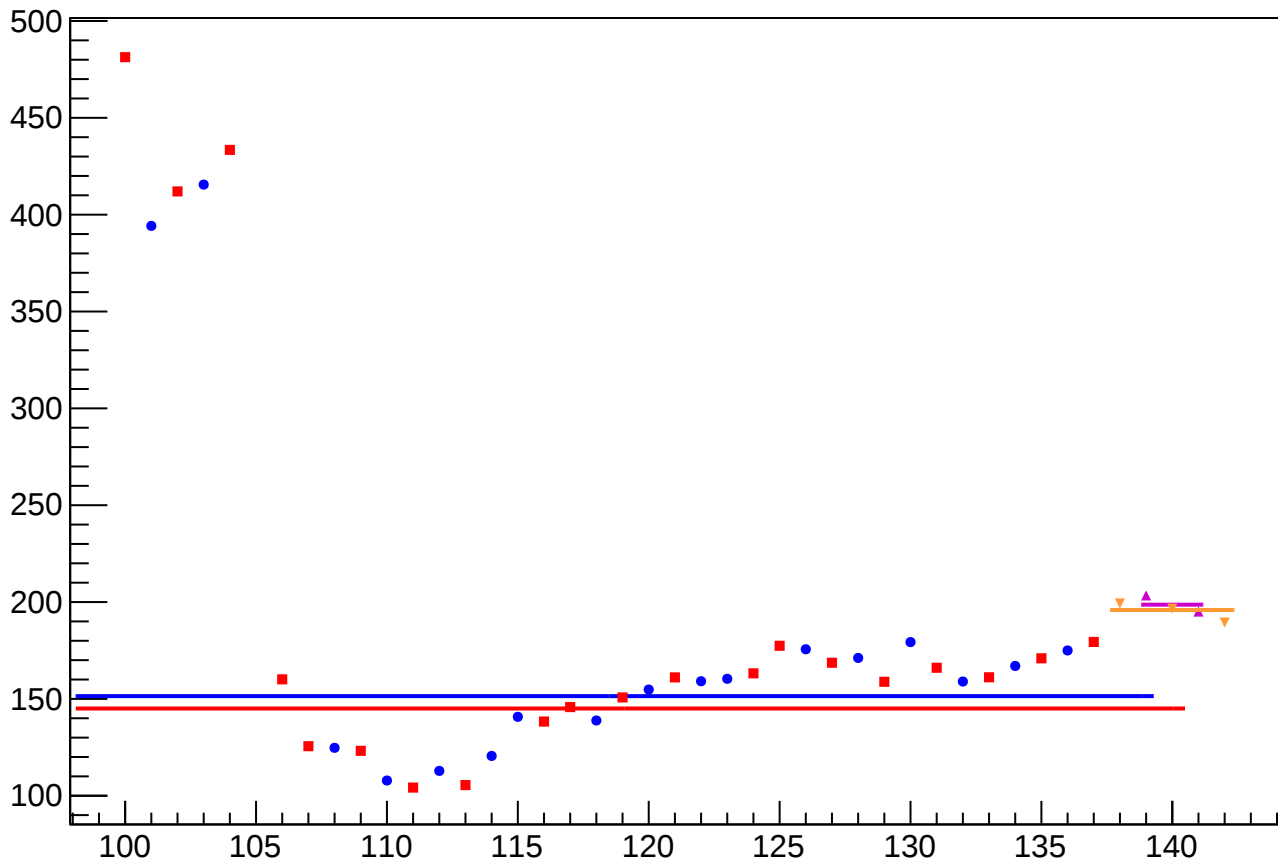
147797.143 ± 0.057 $\chi^2/\text{NDF}: 293914547.6/19$

Right Out: 147709.096 ± 0.058 $\chi^2/\text{NDF}: 203924272.1/19$

147761.194 ± 0.055 $\chi^2/\text{NDF}: 211029542.4/21$

Left In: 148163.322 ± 0.162 $\chi^2/\text{NDF}: 103172.1/1$

yield_bpm1i06WS_rms vs Slug



Right In: 151.424 $\pm$ 0.044 χ^2/NDF : 1257843.0/16

Left Out: 195.884 $\pm$ 0.100 χ^2/NDF : 1412.2/2

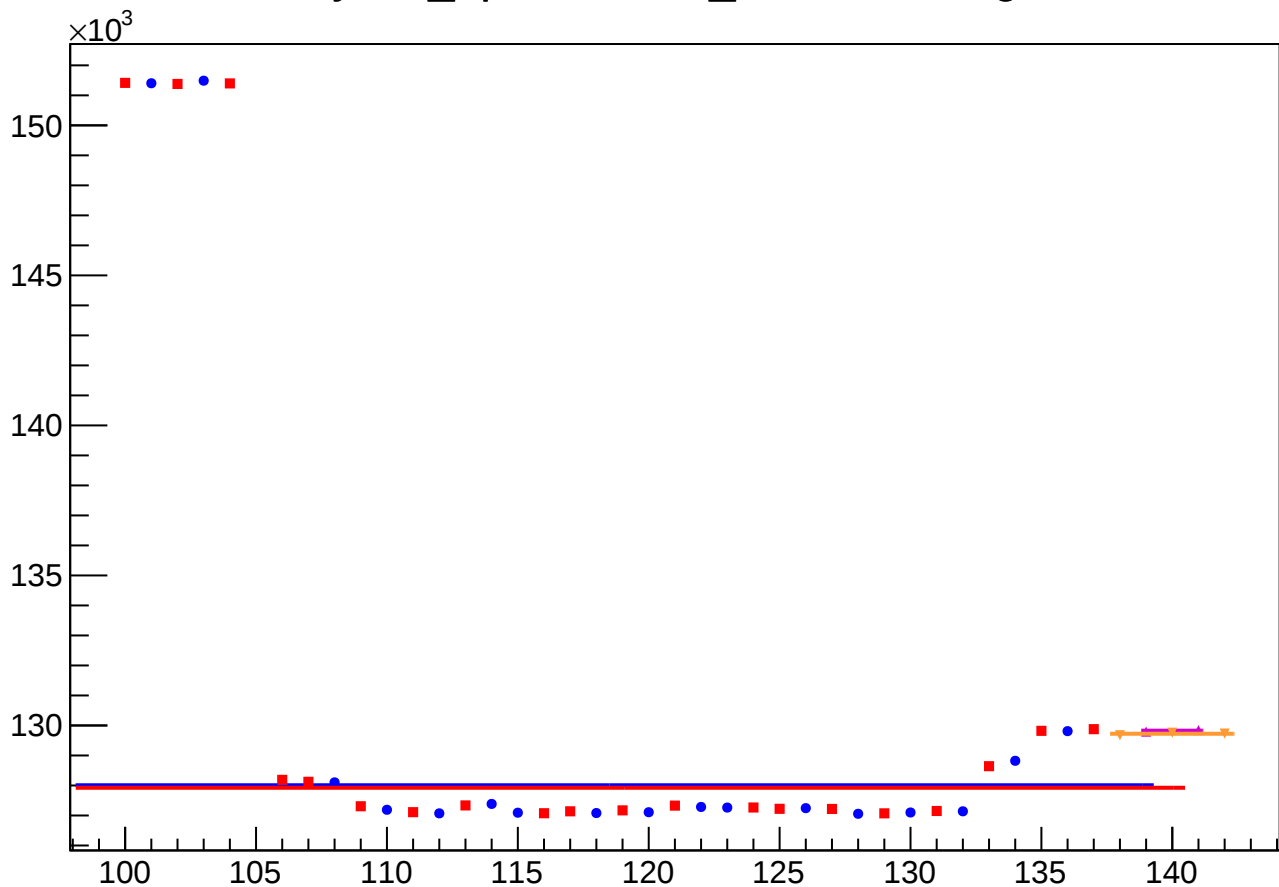
158.635 $\pm$ 0.040 χ^2/NDF : 1423493.3/19

Right Out: 145.044 $\pm$ 0.041 χ^2/NDF : 1375974.1/19

151.193 $\pm$ 0.039 χ^2/NDF : 1572319.6/21

Left In: 198.650 $\pm$ 0.114 χ^2/NDF : 1300.4/1

yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16

Left Out: 129723.943 $\pm$ 0.121 χ^2 /NDF: 91469.2/2

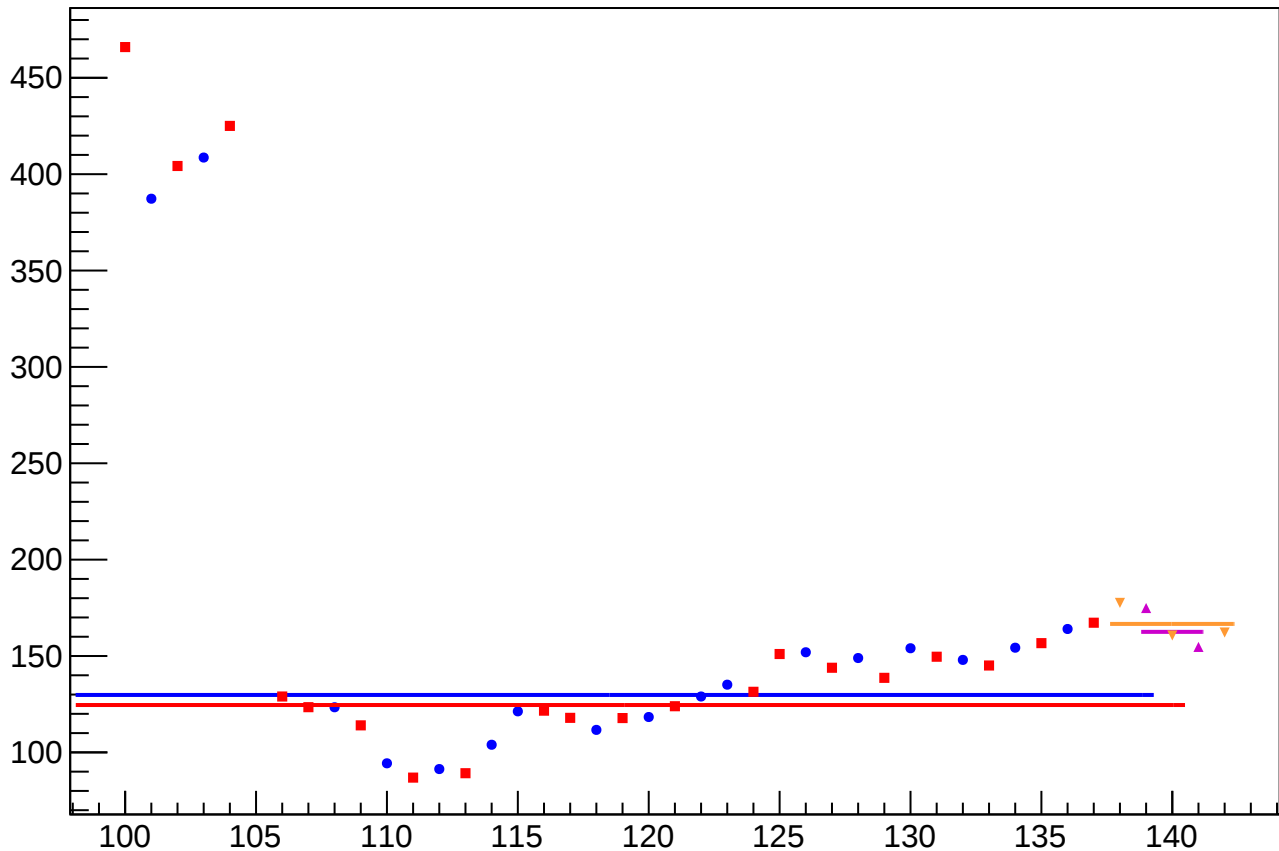
Right Out: 127923.940 $\pm$ 0.050 χ^2 /NDF: 3770107280.1/19

Left In: 129826.848 $\pm$ 0.132 χ^2 /NDF: 35846.0/1

128293.930 $\pm$ 0.049 χ^2 /NDF: 4487801775.0/19

128163.212 $\pm$ 0.047 χ^2 /NDF: 3950937966.9/21

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 ± 0.038 χ^2/NDF : 1485294.2/16

Left Out: 166.651 ± 0.085 χ^2/NDF : 8193.9/2

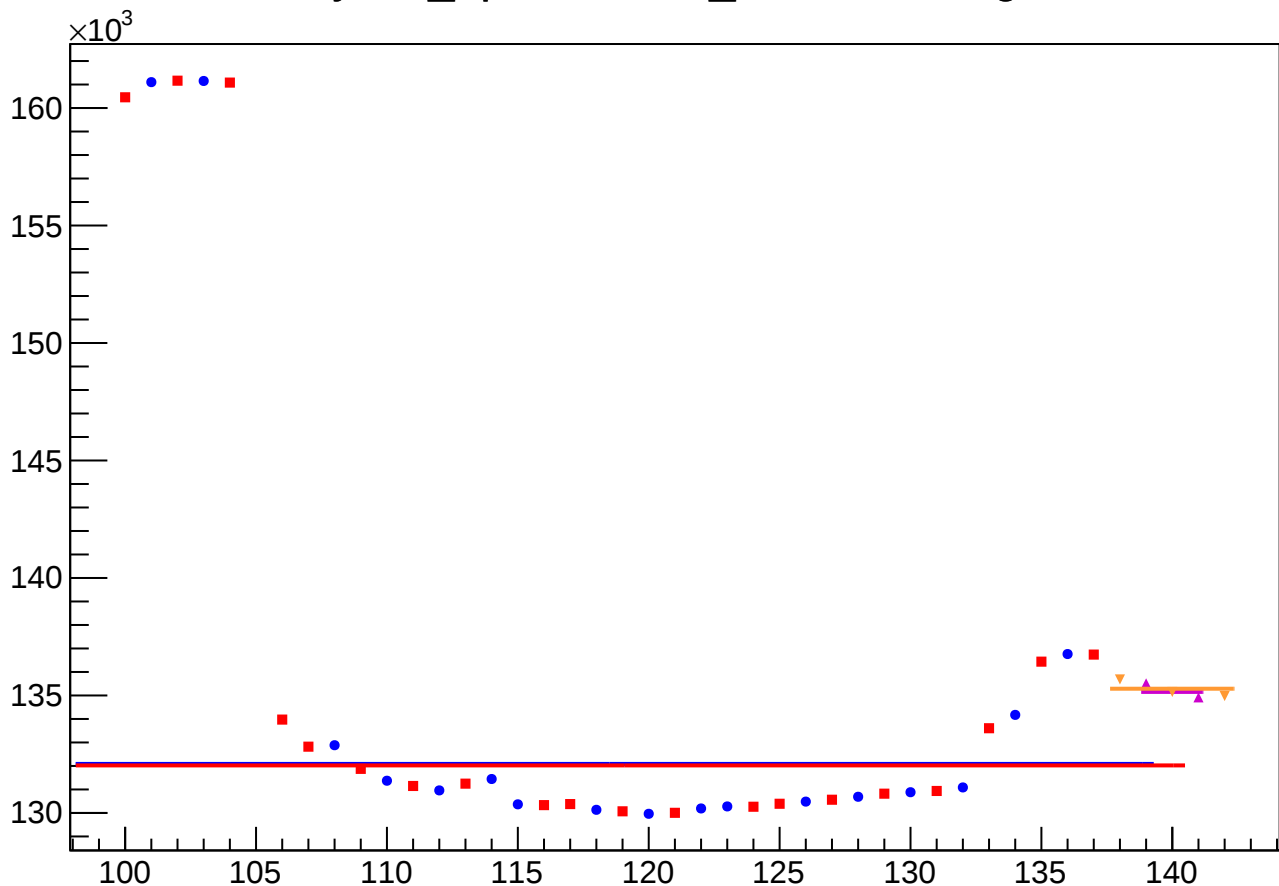
135.949 ± 0.035 χ^2/NDF : 1648303.4/19

Right Out: 124.572 ± 0.035 χ^2/NDF : 1532105.0/19

129.345 ± 0.033 χ^2/NDF : 1687010.8/21

Left In: 162.531 ± 0.094 χ^2/NDF : 11024.8/1

yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16

Left Out: 135287.252 $\pm$ 0.126 χ^2 /NDF: 5293488.4/2

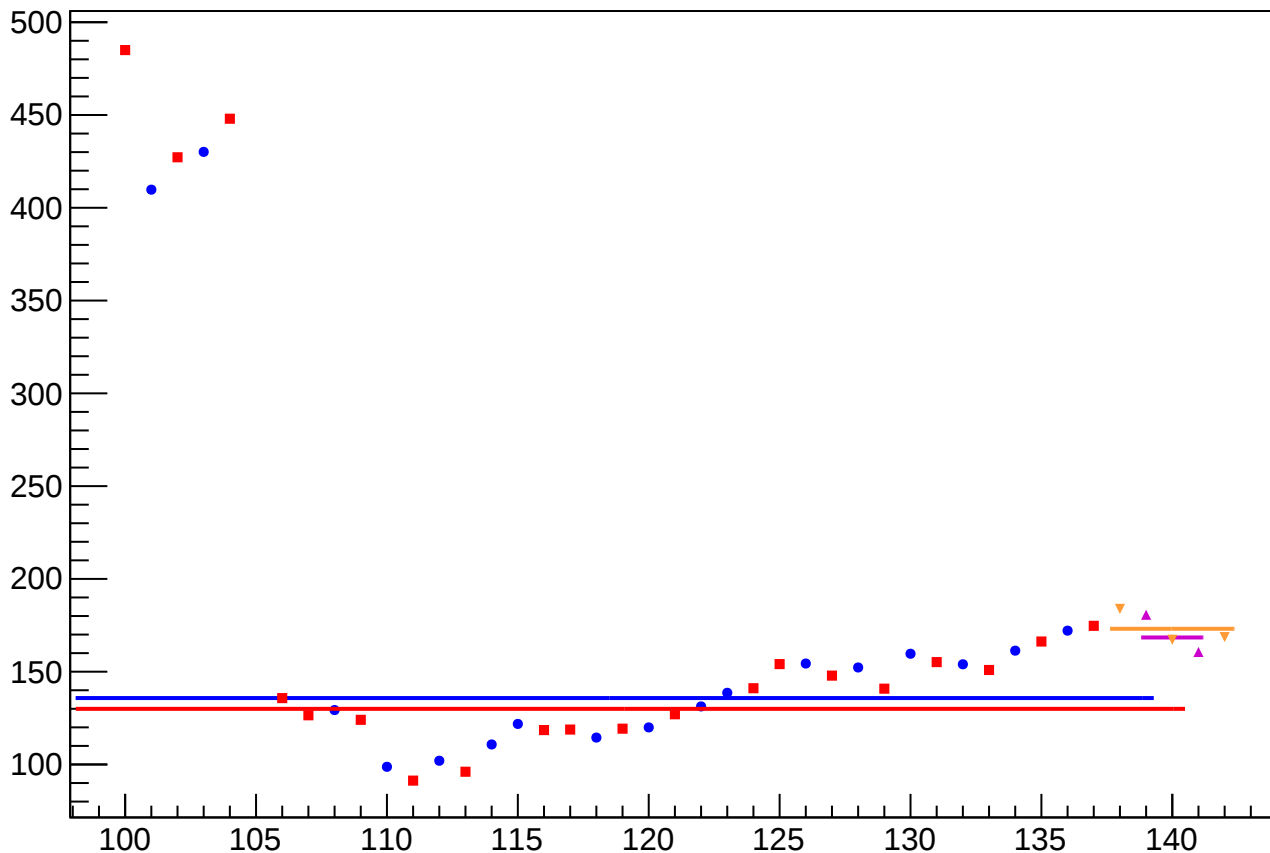
Right Out: 132023.609 $\pm$ 0.052 χ^2 /NDF: 5890492527.2/19

Left In: 135151.413 $\pm$ 0.137 χ^2 /NDF: 4494462.7/1

132626.180 $\pm$ 0.052 χ^2 /NDF: 7278814607.0/19

132420.955 $\pm$ 0.049 χ^2 /NDF: 6349201758.8/21

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 $\pm$ 0.040 χ^2 /NDF: 1441904.9/16

Left Out: 173.127 $\pm$ 0.089 χ^2 /NDF: 7399.3/2

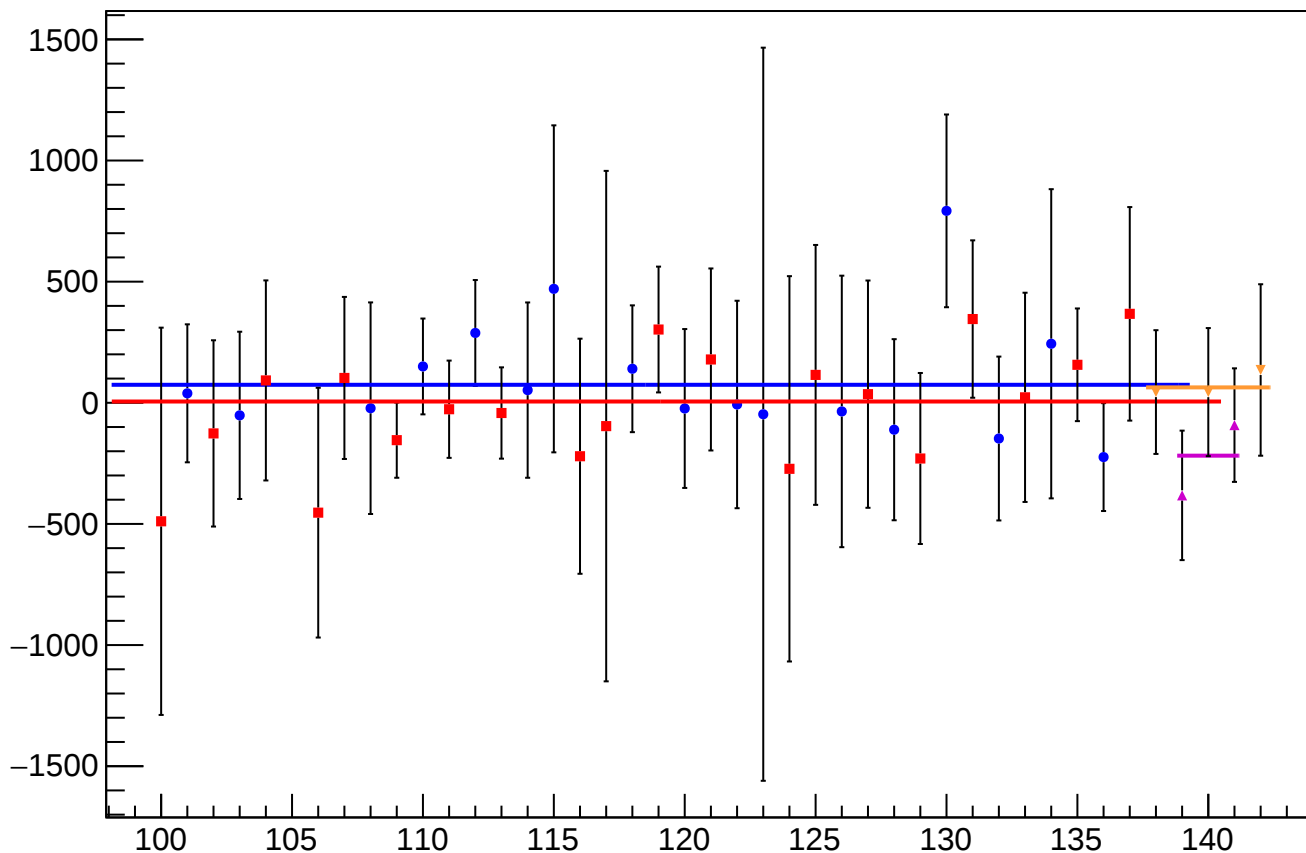
Right Out: 129.975 $\pm$ 0.037 χ^2 /NDF: 1504768.0/19

Left In: 168.434 $\pm$ 0.097 χ^2 /NDF: 10174.9/1

142.088 $\pm$ 0.036 χ^2 /NDF: 1596322.1/19

134.861 $\pm$ 0.035 χ^2 /NDF: 1652289.3/21

asym_bcm_an_ds_mean vs Slug



Right In: 74.294+/-79.018 χ^2/NDF : 7.7/16

Left Out: 63.563+/-163.025 χ^2/NDF : 0.1/2

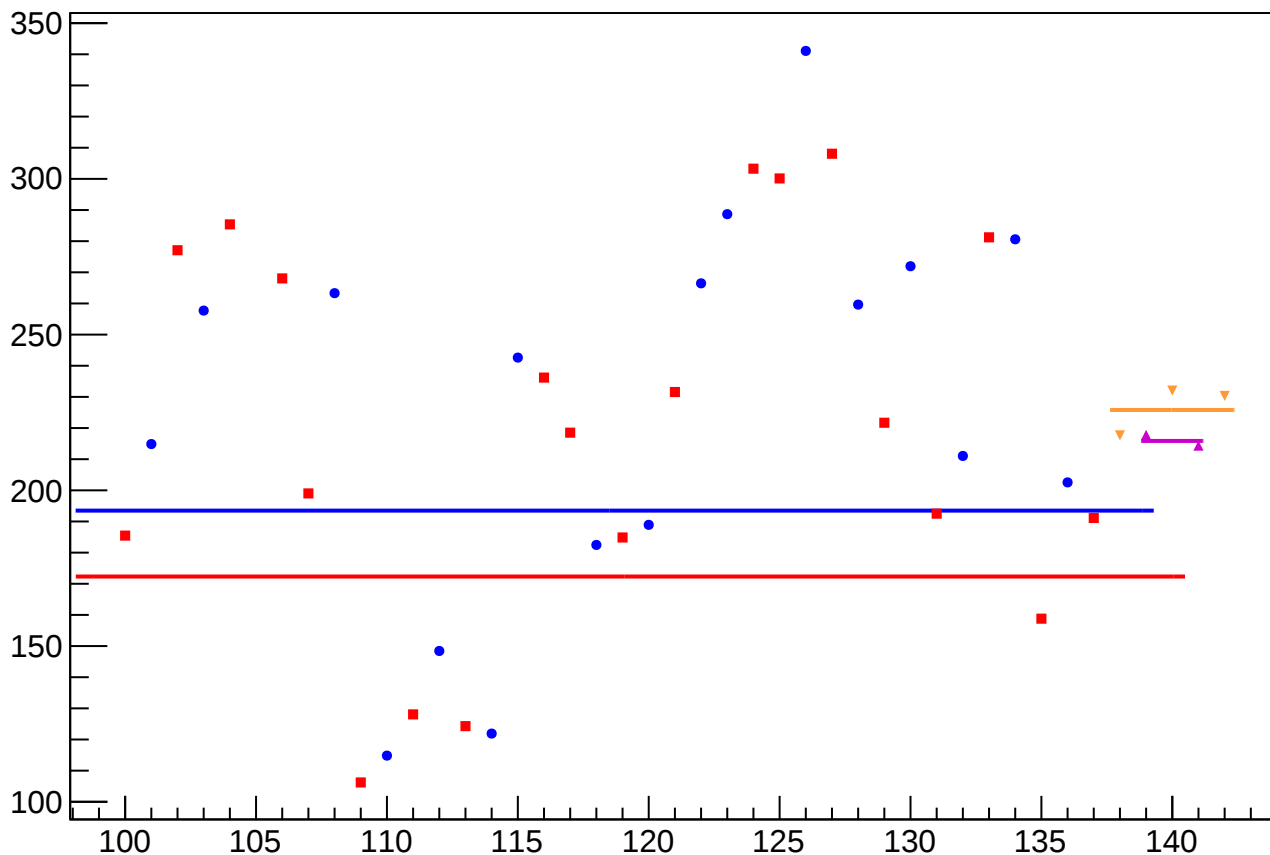
Right Out: 5.290+/-69.914 χ^2/NDF : 7.1/19

Left In: -218.233+/-176.194 χ^2/NDF : 0.7/1

72.253+/-71.106 χ^2/NDF : 7.7/19

-25.117+/-64.985 χ^2/NDF : 9.2/21

asym_bcm_an_ds_rms vs Slug



Right In: 193.488+/-0.056 χ^2/NDF : 1017195.7/16

Left Out: 225.807+/-0.115 χ^2/NDF :3474.0/2

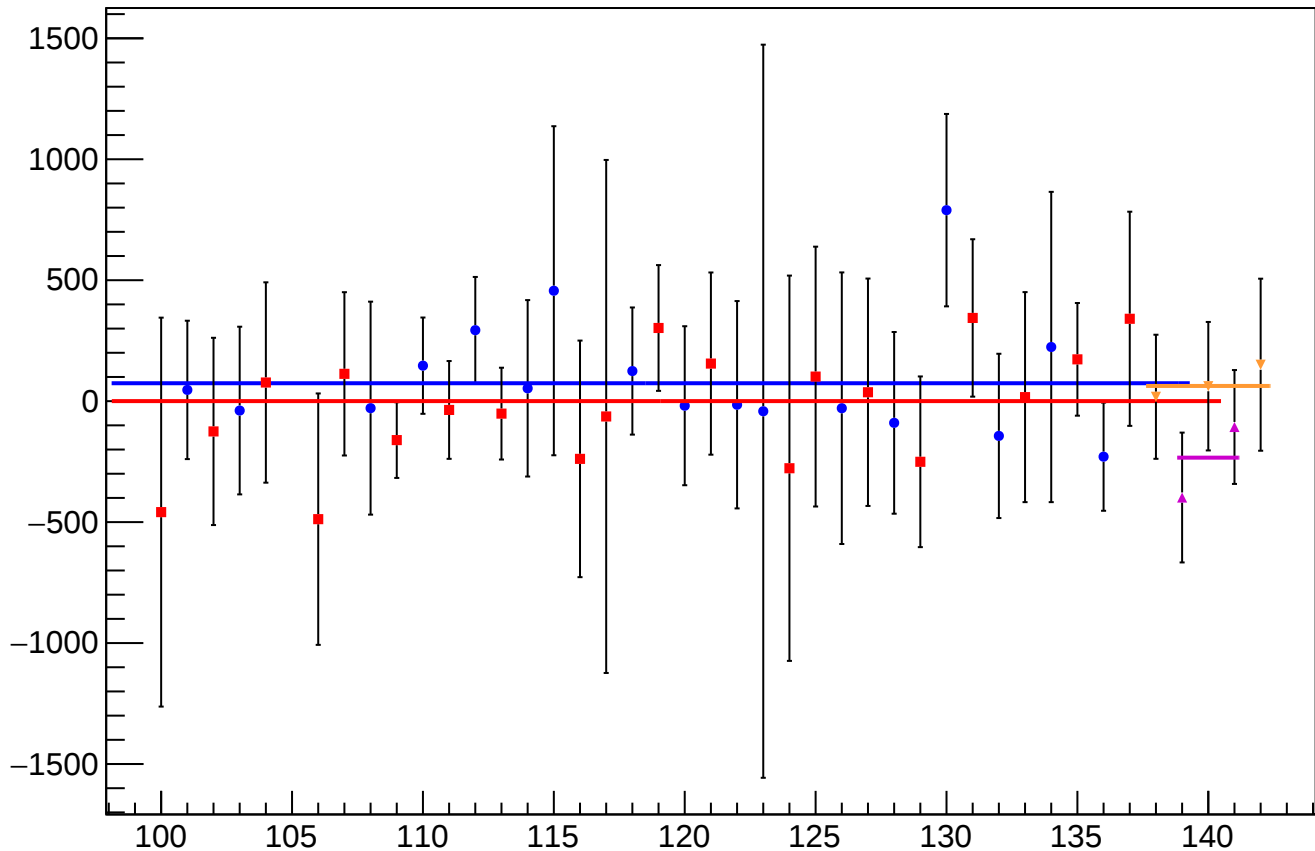
Right Out: 172.327+/-0.049 χ^2/NDF : 1583701.4/19

Left In: 215.862+/-0.125 χ^2/NDF :191.0/1

199.636+/-0.050 χ^2/NDF : 1084318.6/19

178.249+/-0.046 χ^2/NDF : 1689387.0/21

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098+/-79.404 χ^2/NDF : 7.6/16

Left Out: 62.884+/-163.763 χ^2/NDF : 0.1/2

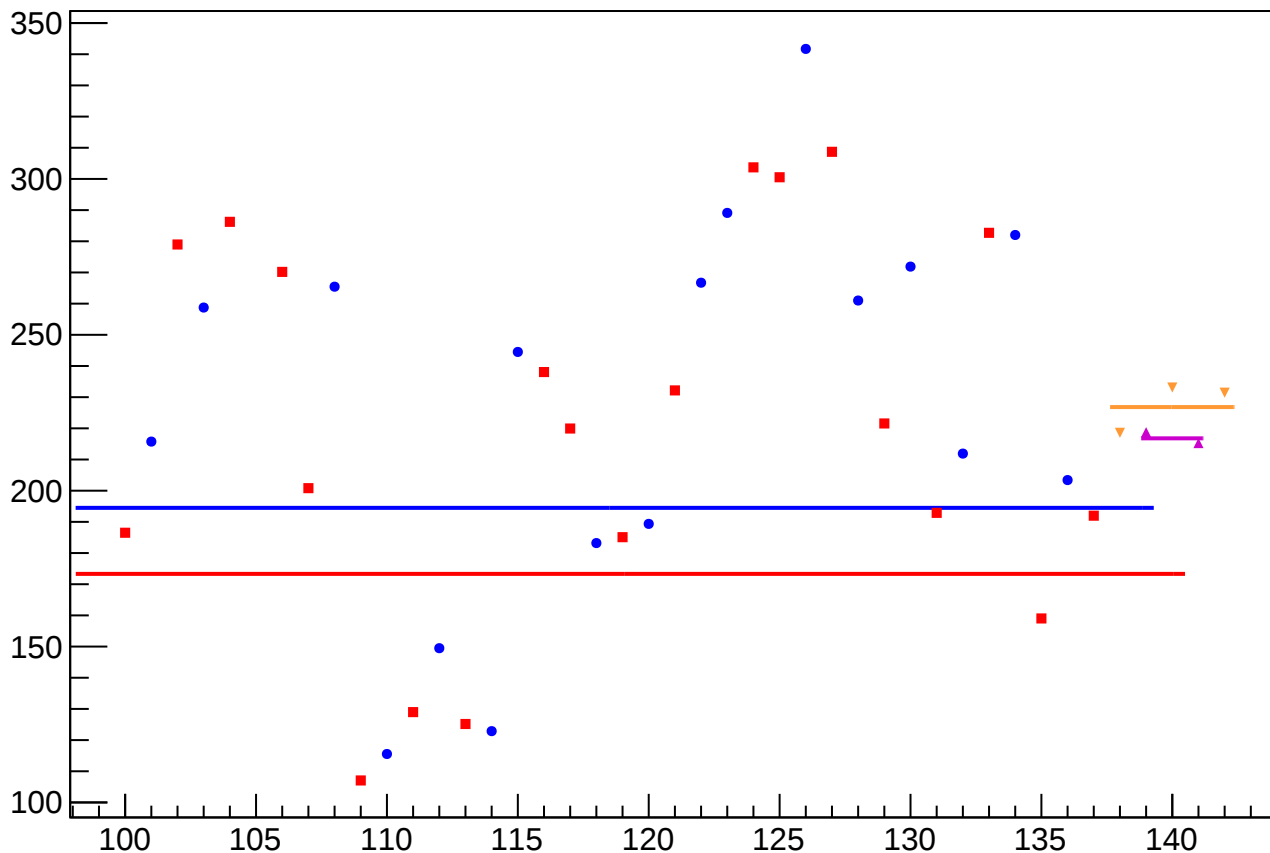
Right Out: 0.223+/-70.282 χ^2/NDF : 7.3/19

Left In: -233.549+/-176.955 χ^2/NDF : 0.7/1

71.963+/-71.448 χ^2/NDF : 7.6/19

-31.629+/-65.318 χ^2/NDF : 9.5/21

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496 $\pm$ 0.056 χ^2 /NDF: 1008514.7/16

Left Out: 226.824 $\pm$ 0.116 χ^2 /NDF:3522.3/2

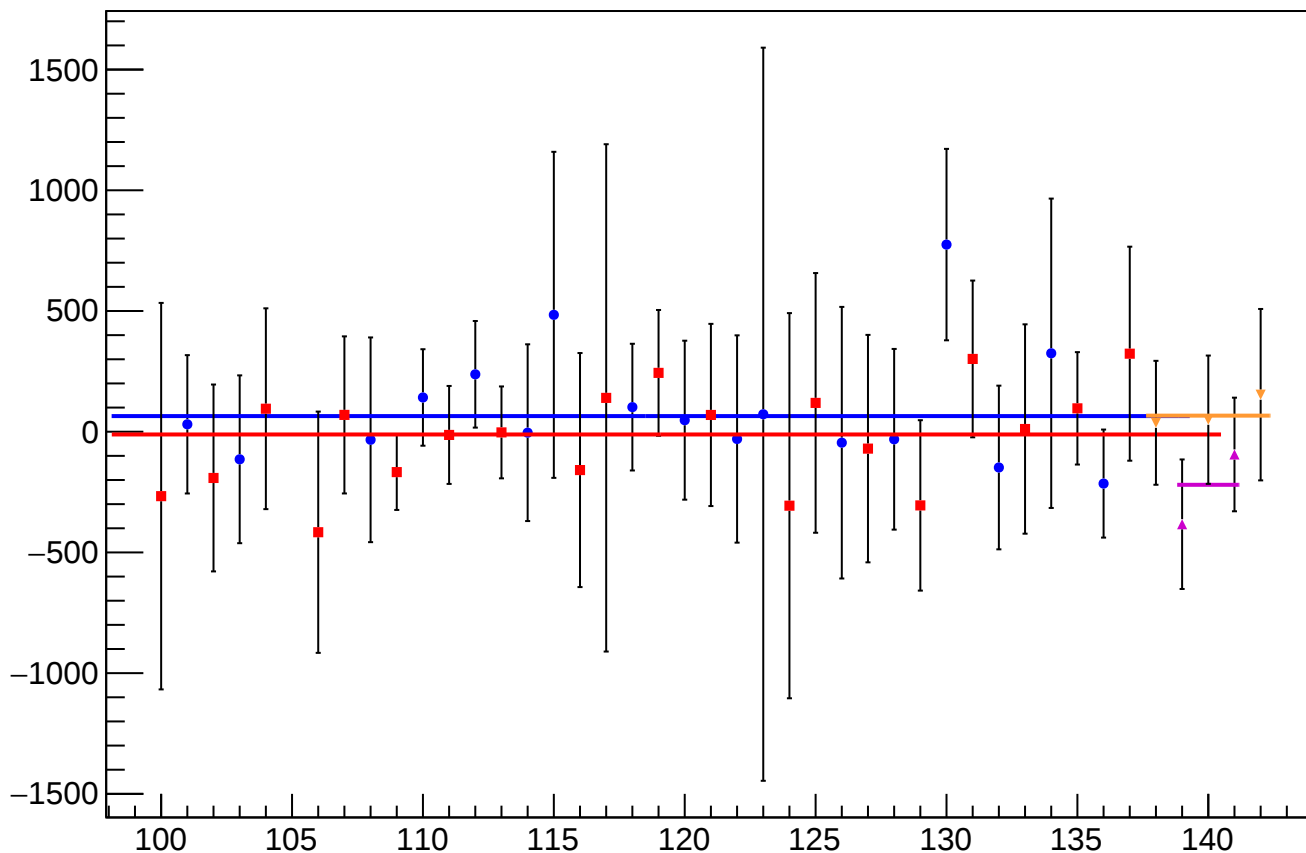
Right Out: 173.317 $\pm$ 0.050 χ^2 /NDF: 1571258.4/19

Left In: 216.792 $\pm$ 0.125 χ^2 /NDF:191.9/1

200.650 $\pm$ 0.051 χ^2 /NDF: 1075137.9/19

179.241 $\pm$ 0.046 χ^2 /NDF: 1675723.3/21

asym_bcm_an_us_mean vs Slug



Right In: 64.733 ± 79.399 χ^2/NDF : 7.0/16

Left Out: 66.600 ± 163.781 χ^2/NDF : 0.1/2

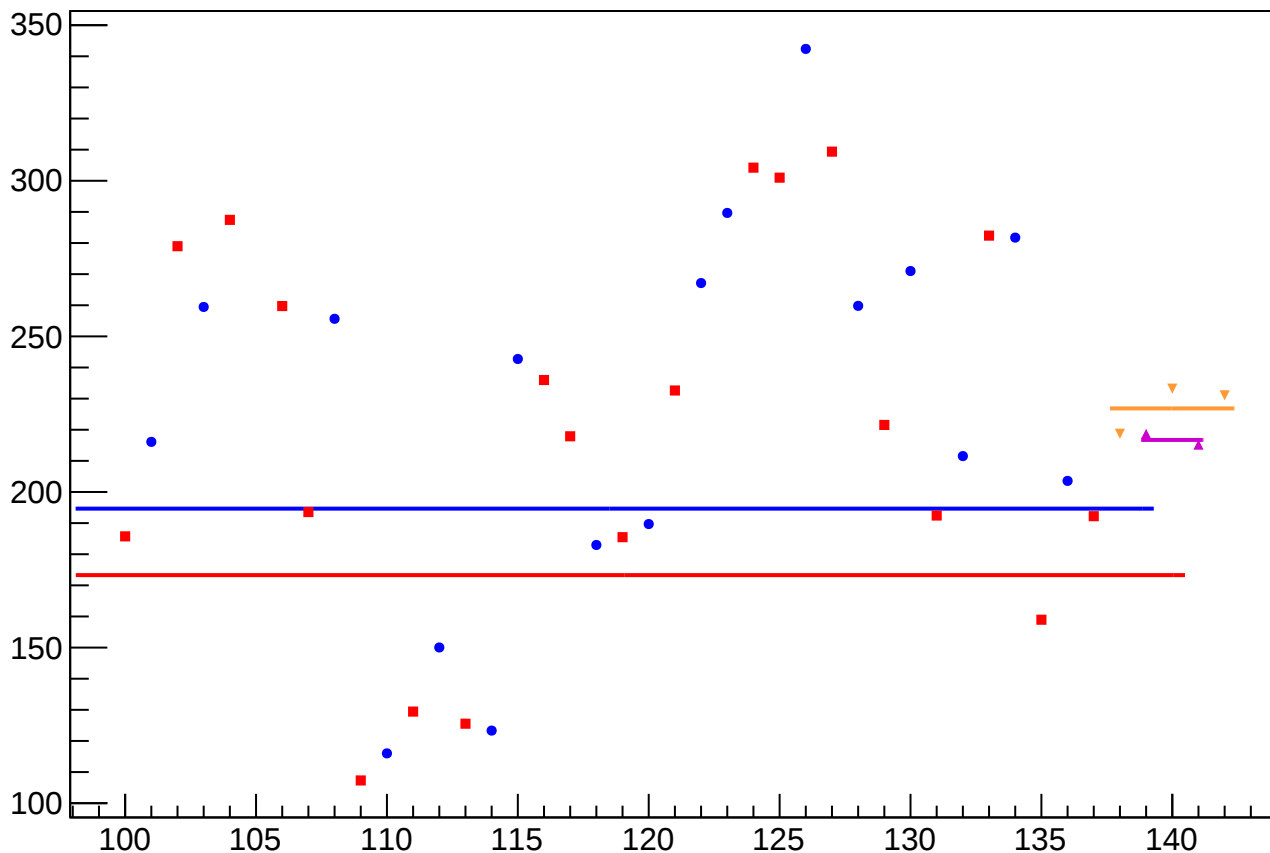
Right Out: -11.414 ± 70.204 χ^2/NDF : 5.8/19

Left In: -219.891 ± 176.898 χ^2/NDF : 0.7/1

65.088 ± 71.446 χ^2/NDF : 7.1/19

-39.781 ± 65.253 χ^2/NDF : 7.7/21

asym_bcm_an_us_rms vs Slug



Right In: 194.652+/-0.056 χ^2/NDF : 986798.9/16

Left Out: 226.851+/-0.116 χ^2/NDF :3430.5/2

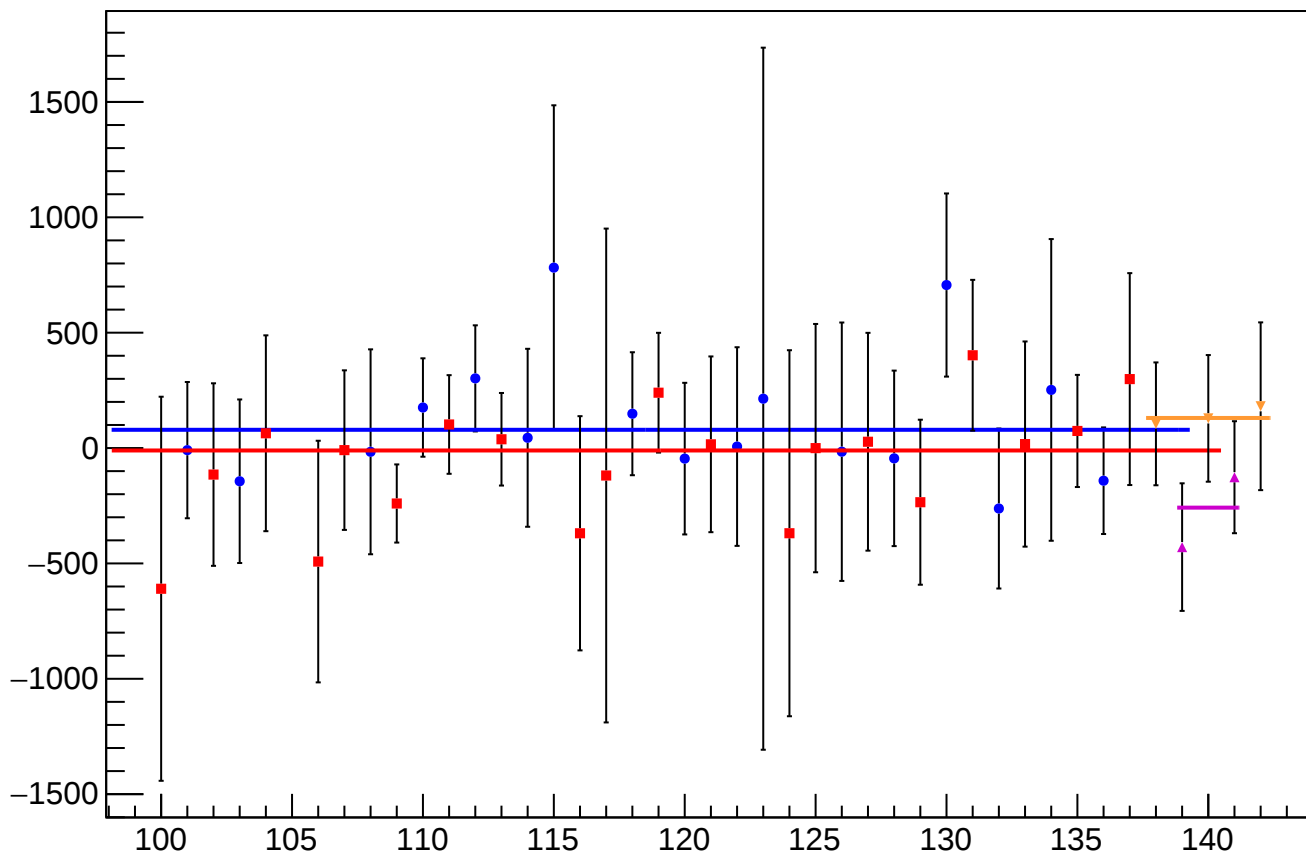
Right Out: 173.289+/-0.050 χ^2/NDF : 1548162.6/19

Left In: 216.727+/-0.125 χ^2/NDF :189.0/1

200.779+/-0.051 χ^2/NDF : 1052822.8/19

179.199+/-0.046 χ^2/NDF : 1652534.3/21

asym_bcm_dg_us_mean vs Slug



Right In: 79.128 $\pm$ 81.874 χ^2 /NDF: 7.5/16

Left Out: 130.416 $\pm$ 169.137 χ^2 /NDF:0.0/2

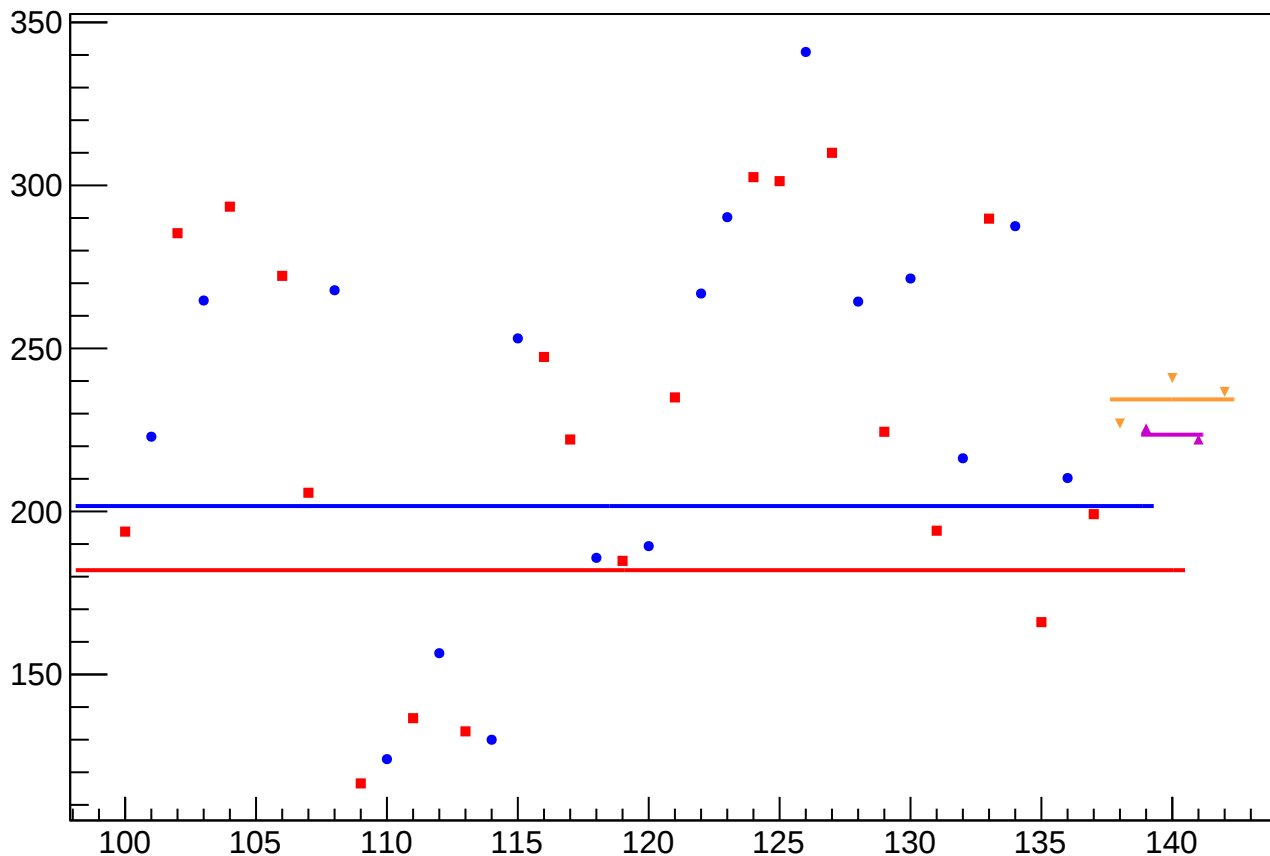
Right Out: -10.491 $\pm$ 73.139 χ^2 /NDF: 7.9/19

Left In: -258.232 $\pm$ 182.402 χ^2 /NDF:0.7/1

88.865 $\pm$ 73.694 χ^2 /NDF: 7.6/19

-44.806 $\pm$ 67.885 χ^2 /NDF: 10.1/21

asym_bcm_dg_us_rms vs Slug



Right In: 201.654 $\pm$ 0.058 χ^2 /NDF: 883179.7/16

Left Out: 234.367 $\pm$ 0.120 χ^2 /NDF:2760.2/2

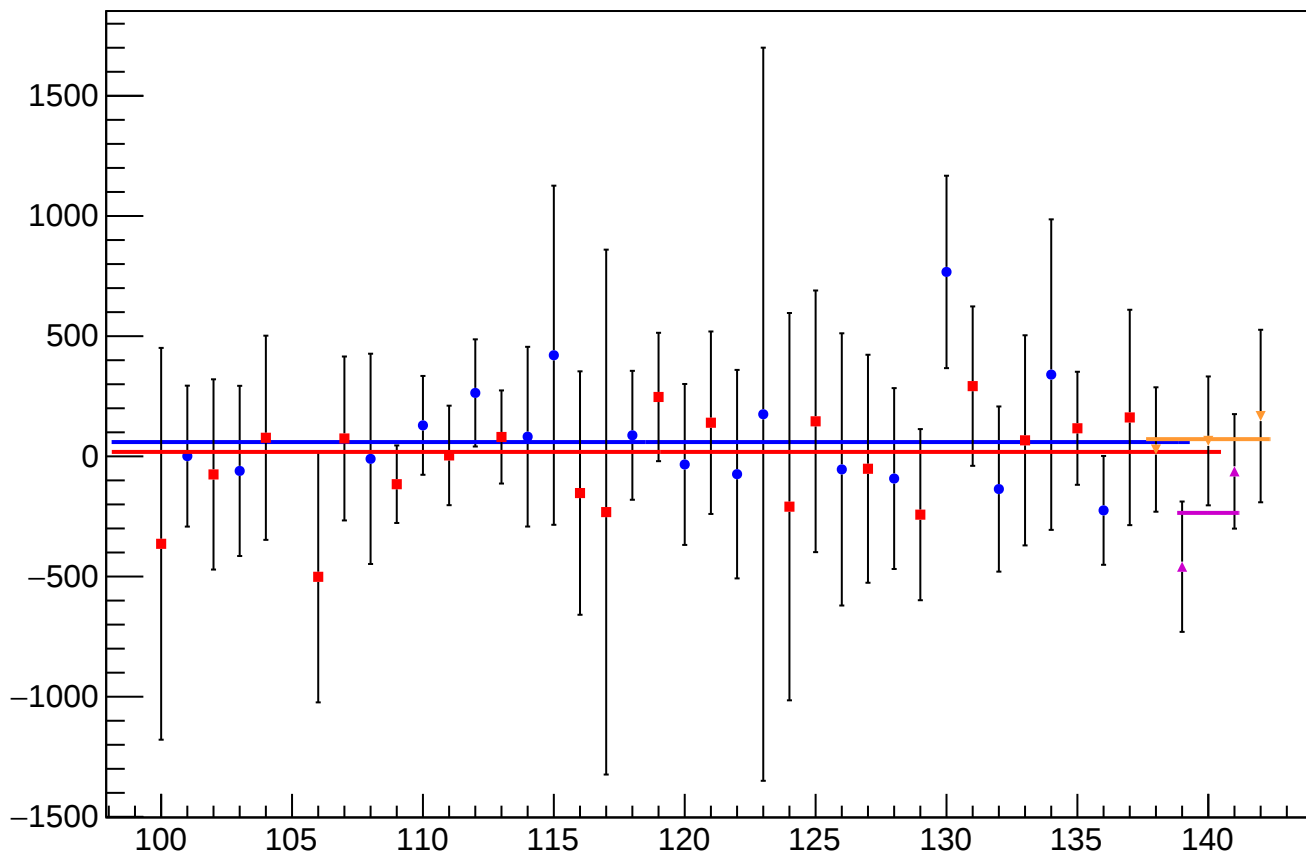
Right Out: 181.986 $\pm$ 0.052 χ^2 /NDF: 1380269.0/19

Left In: 223.546 $\pm$ 0.129 χ^2 /NDF:168.3/1

207.864 $\pm$ 0.052 χ^2 /NDF: 946551.4/19

187.742 $\pm$ 0.048 χ^2 /NDF: 1469885.5/21

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496 ± 80.808 χ^2/NDF : 7.0/16

Left Out: 71.668 ± 165.287 χ^2/NDF : 0.1/2

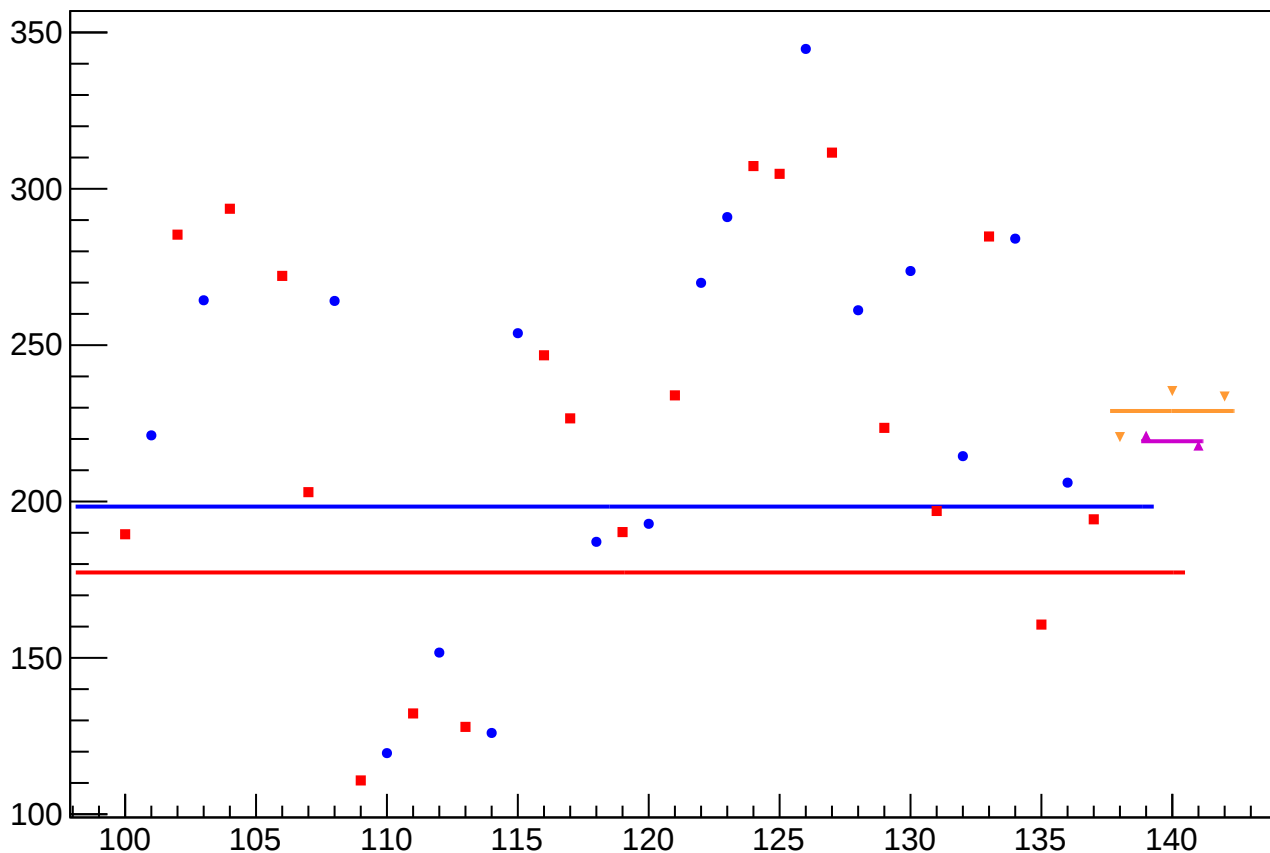
Right Out: 18.457 ± 71.711 χ^2/NDF : 4.8/19

Left In: -235.197 ± 178.957 χ^2/NDF : 1.2/1

61.844 ± 72.597 χ^2/NDF : 7.1/19

-16.638 ± 66.565 χ^2/NDF : 7.7/21

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378+/-0.057 χ^2/NDF : 963672.6/16

Left Out: 228.951+/-0.117 χ^2/NDF :3542.4/2

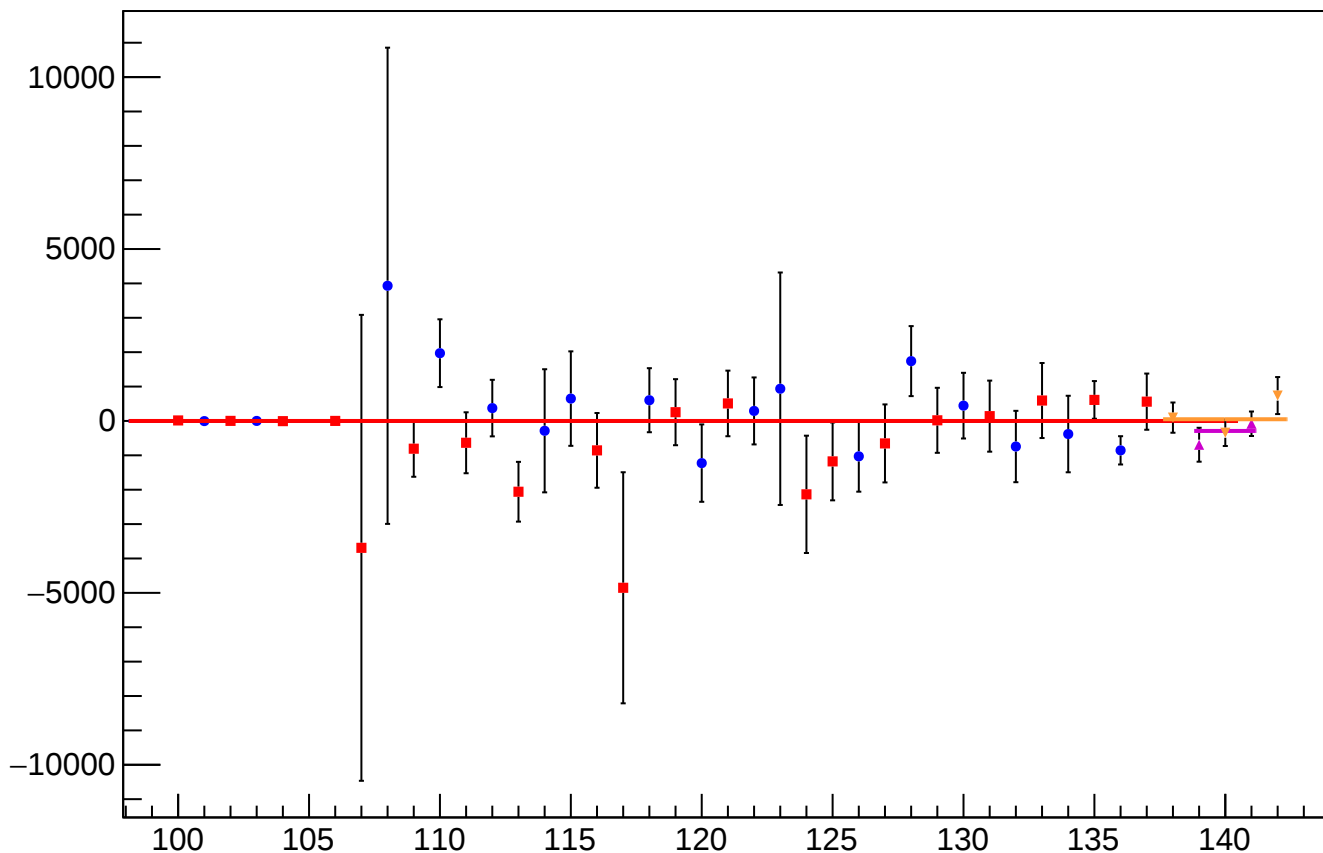
Right Out: 177.309+/-0.051 χ^2/NDF : 1528855.2/19

Left In: 219.274+/-0.127 χ^2/NDF :153.7/1

204.276+/-0.051 χ^2/NDF : 1022439.3/19

183.116+/-0.047 χ^2/NDF : 1623771.5/21

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: 49.409 ± 255.543 χ^2/NDF : 2.7/2

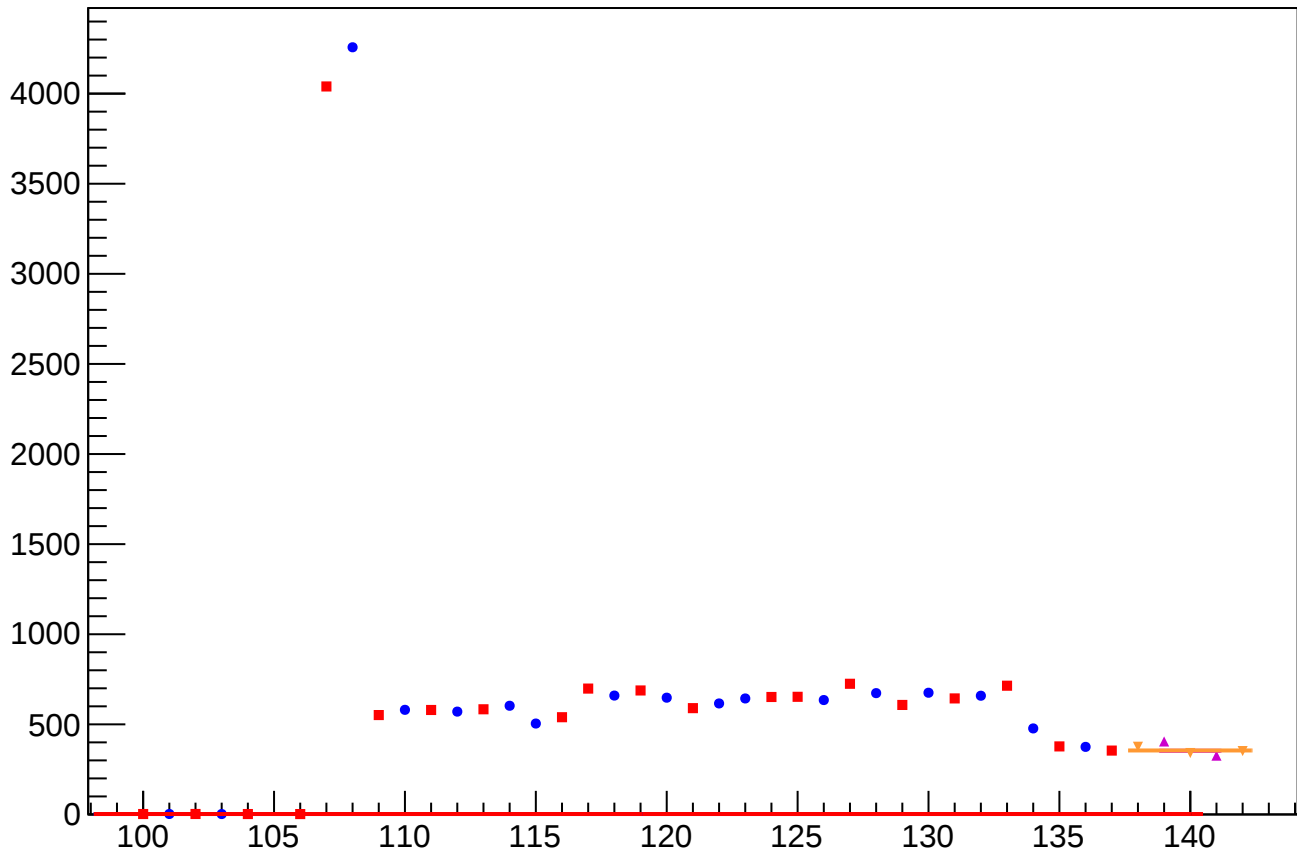
Right Out: -0.728 ± 2.111 χ^2/NDF : 21.4/19

Left In: -290.821 ± 288.681 χ^2/NDF : 1.0/1

-1.525 ± 2.251 χ^2/NDF : 19.7/19

-0.744 ± 2.111 χ^2/NDF : 23.4/21

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 355.097+/-0.181 χ^2/NDF : 7181.8/2

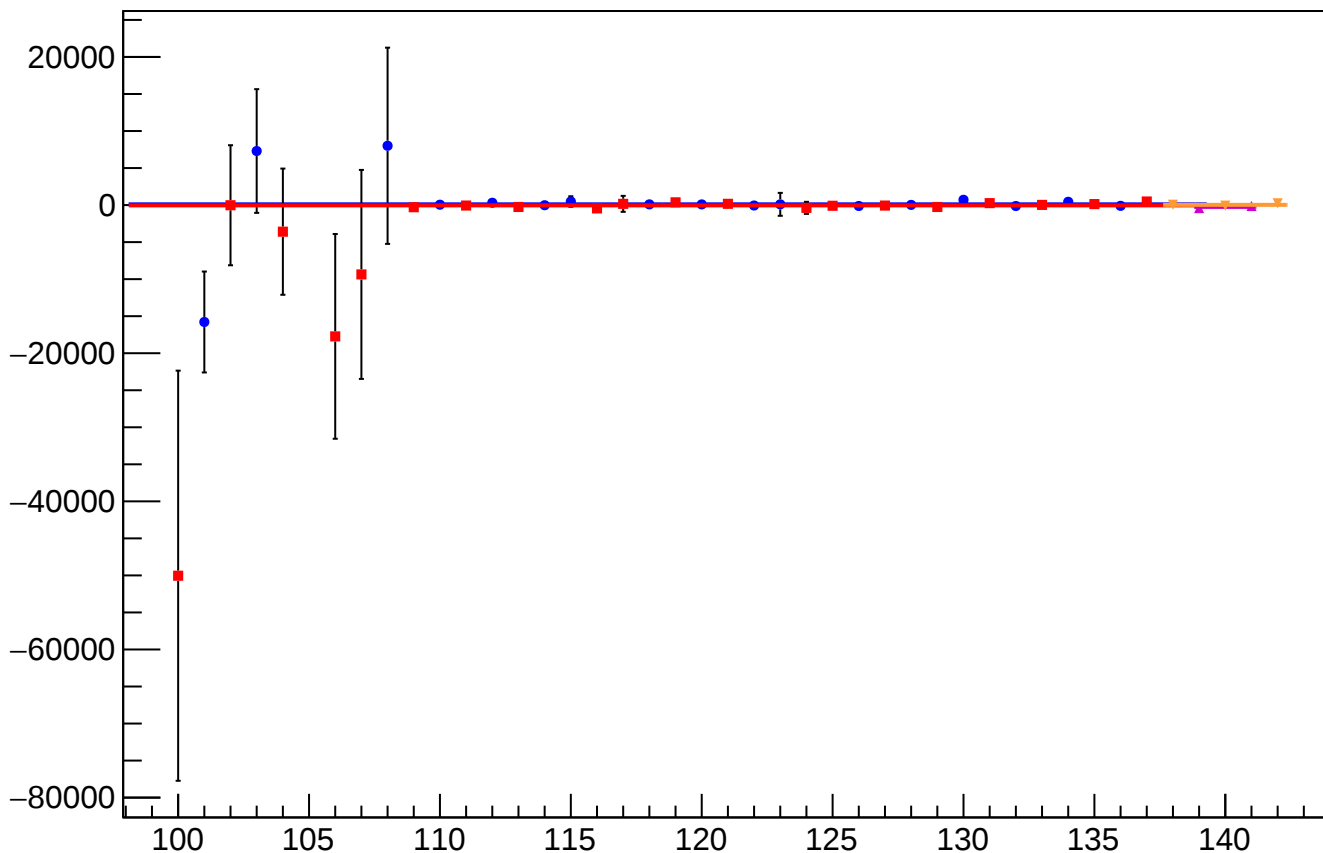
Right Out: 2.437+/-0.001 χ^2/NDF : 11233207.9/19

Left In: 353.289+/-0.204 χ^2/NDF : 33501.6/1

2.484+/-0.002 χ^2/NDF : 14663301.1/19

2.456+/-0.001 χ^2/NDF : 14220771.8/21

asym_cav4cQ_mean vs Slug



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: 31.910+/-167.318 χ^2/NDF : 0.4/2

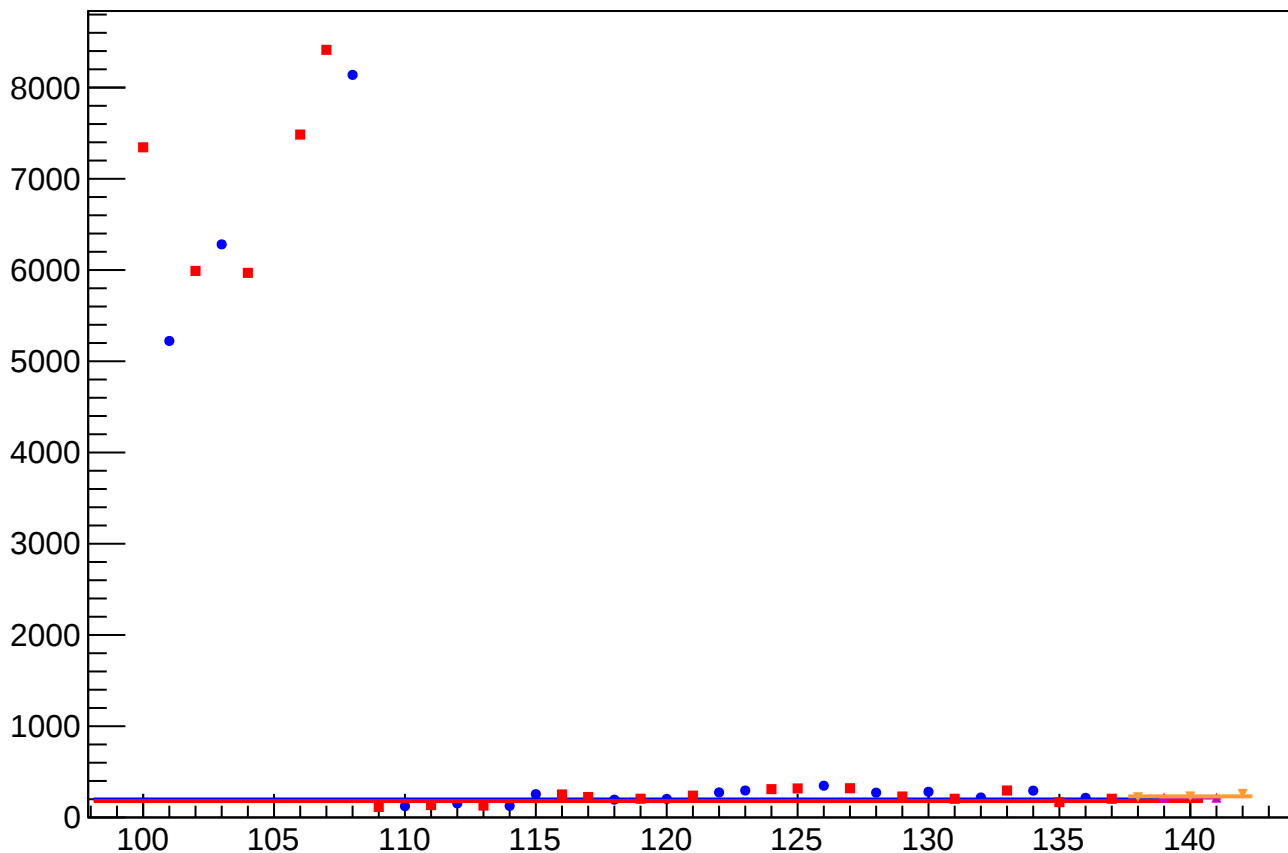
Right Out: -41.024+/-84.237 χ^2/NDF : 13.9/19

Left In: -246.182+/-178.328 χ^2/NDF : 0.6/1

83.446+/-79.847 χ^2/NDF : 12.4/19

-78.450+/-76.167 χ^2/NDF : 15.6/21

asym_cav4cQ_rms vs Slug



Right In: 197.086+/-0.064 χ^2/NDF : 3693614.0/16

Left Out: 231.121+/-0.118 χ^2/NDF :11804.1/2

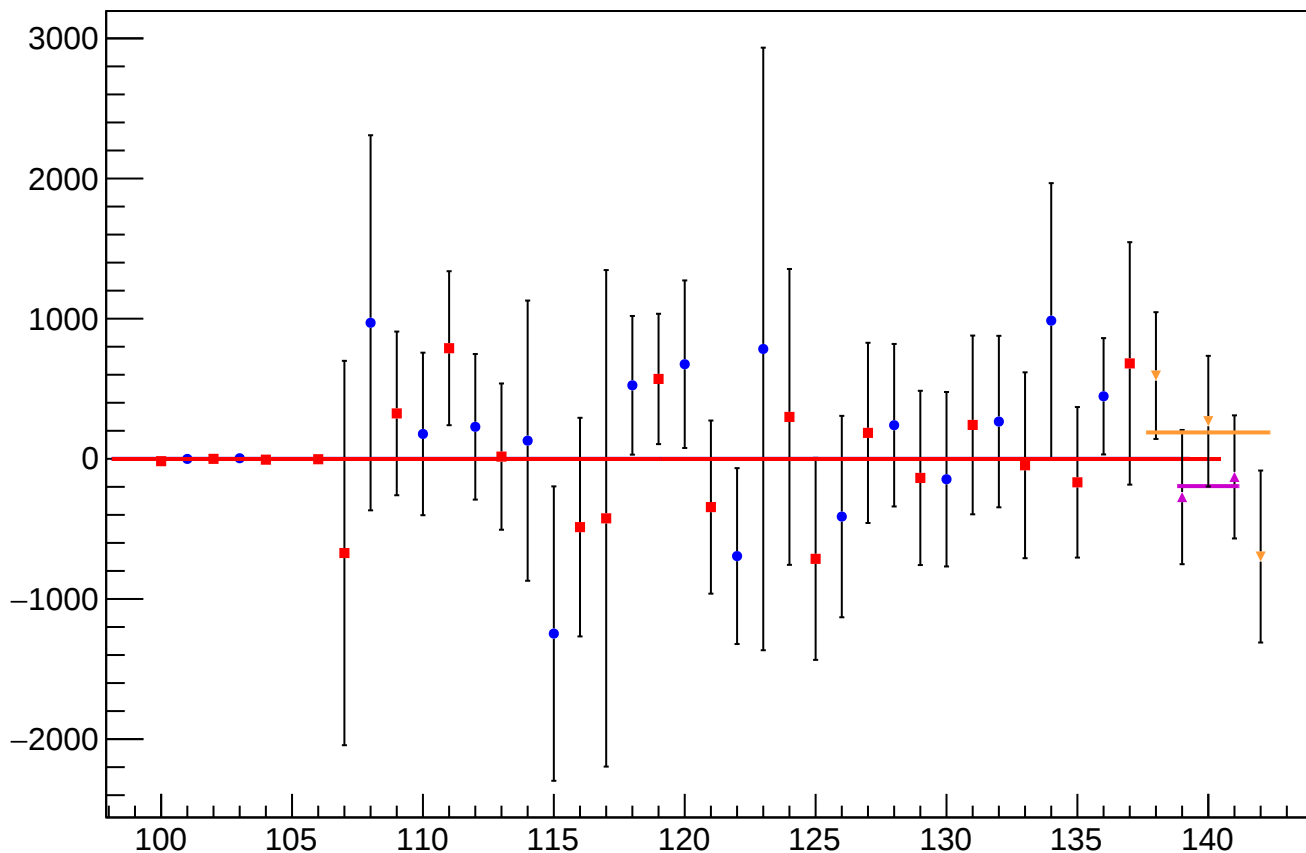
Right Out: 180.217+/-0.060 χ^2/NDF : 4324457.3/19

Left In: 218.162+/-0.126 χ^2/NDF :48.4/1

204.837+/-0.056 χ^2/NDF : 3769329.8/19

187.139+/-0.054 χ^2/NDF : 4398540.0/21

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: 188.307 ± 286.967 χ^2/NDF : 2.9/2

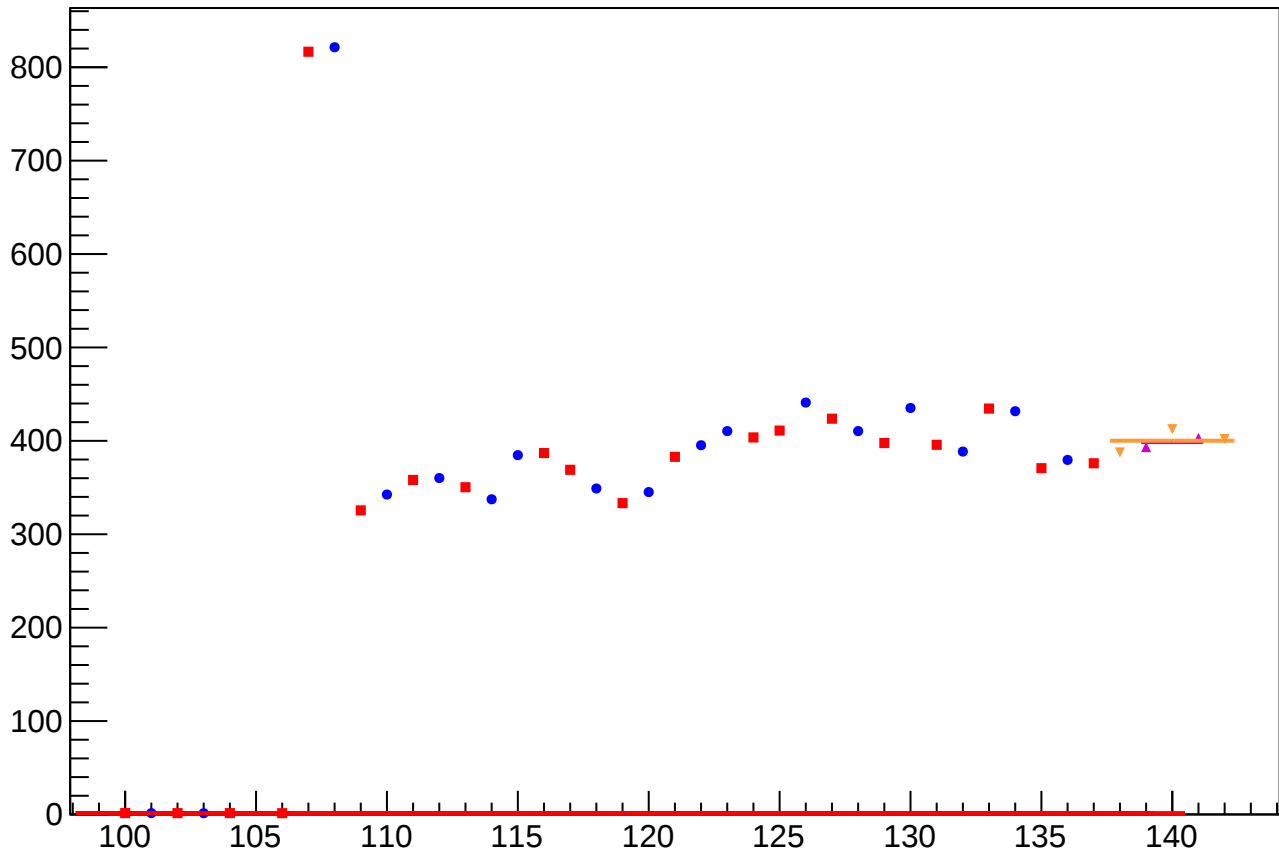
Right Out: -1.324 ± 1.623 χ^2/NDF : 9.7/19

Left In: -194.756 ± 323.734 χ^2/NDF : 0.0/1

-0.131 ± 1.737 χ^2/NDF : 13.1/19

-1.329 ± 1.623 χ^2/NDF : 10.1/21

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 400.149+/-0.203 χ^2/NDF :2954.0/2

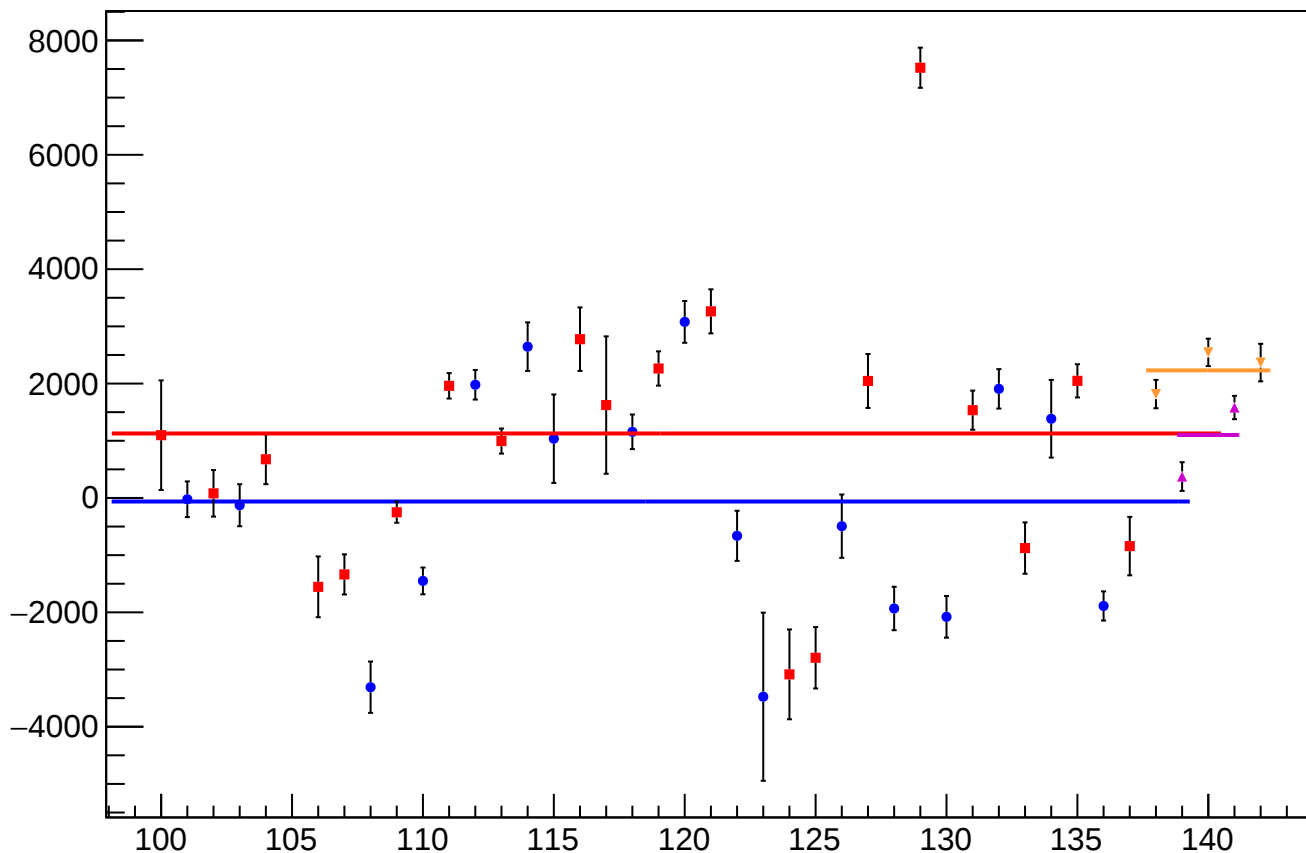
Right Out: 1.451+/-0.001 χ^2/NDF : 10966832.6/19

Left In: 398.693+/-0.229 χ^2/NDF :463.8/1

1.467+/-0.001 χ^2/NDF : 14821358.7/19

1.461+/-0.001 χ^2/NDF : 13978577.8/21

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 χ^2/NDF : 433.9/16

Left Out: 2230.965 ± 152.595 χ^2/NDF : 4.7/2

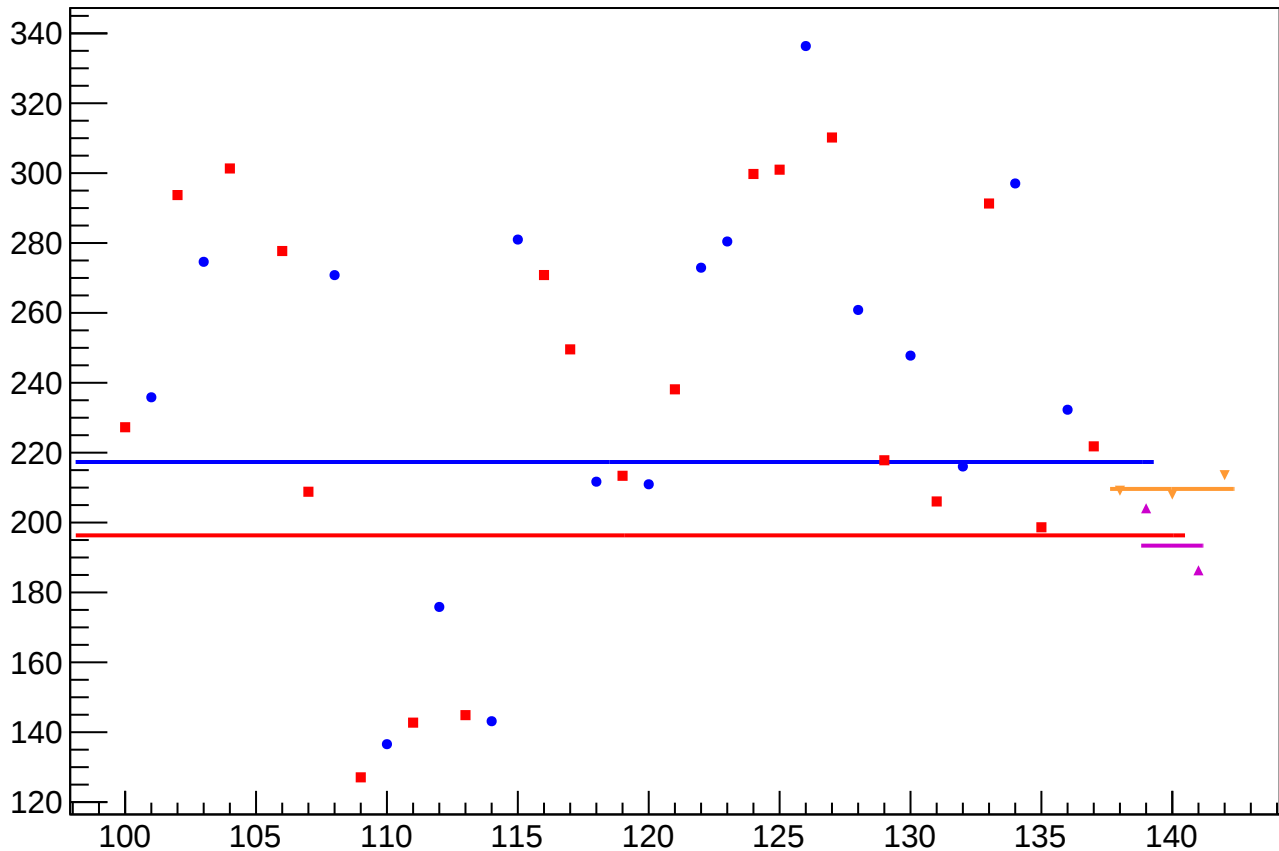
Right Out: 1127.552 ± 78.203 χ^2/NDF : 671.4/19

Left In: 1101.128 ± 158.071 χ^2/NDF : 14.0/1

504.509 ± 75.856 χ^2/NDF : 608.6/19

1122.356 ± 70.094 χ^2/NDF : 685.4/21

asym_bcm0l02_rms vs Slug



Right In: 217.330 ± 0.062 χ^2/NDF : 652722.5/16

Left Out: 209.624 ± 0.108 χ^2/NDF : 386.9/2

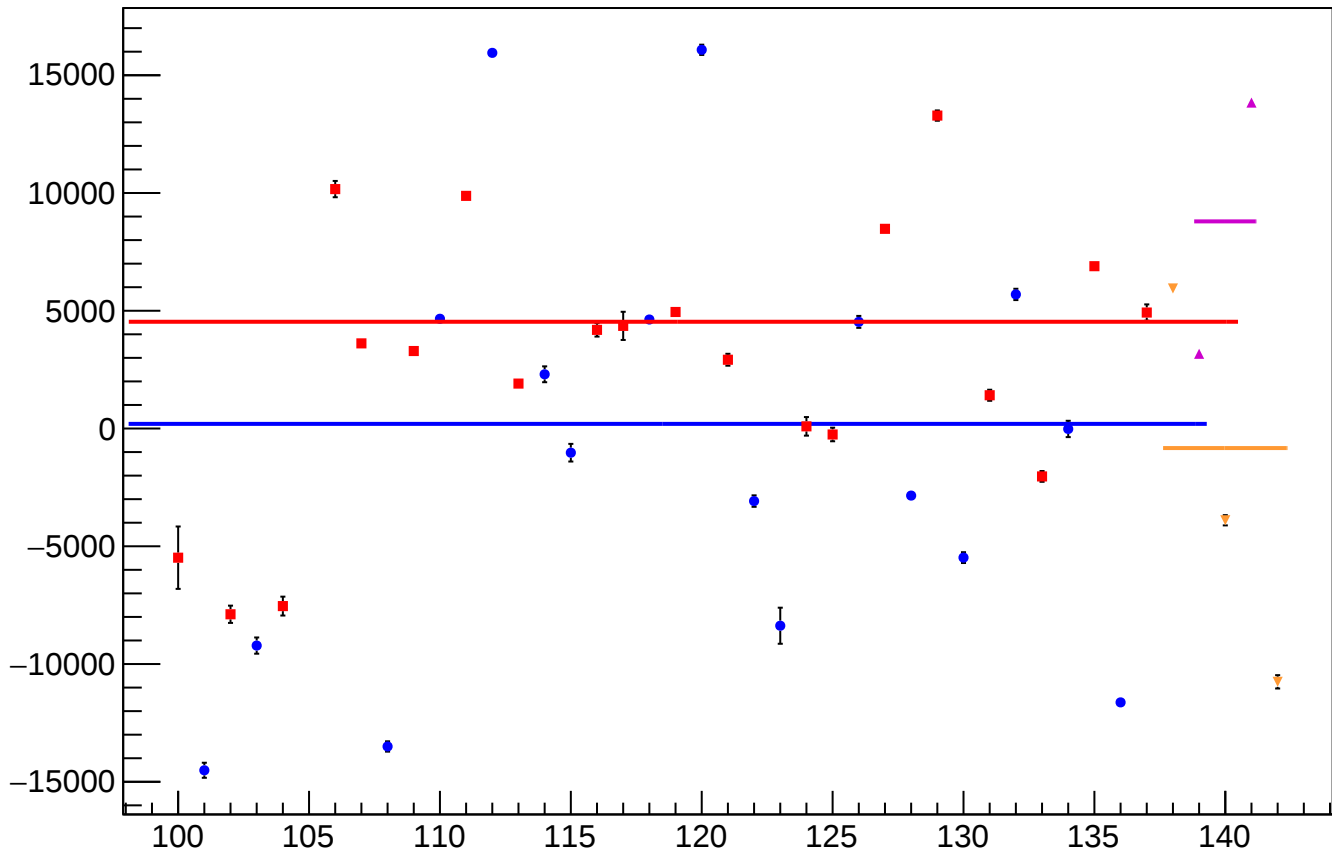
Right Out: 196.332 ± 0.055 χ^2/NDF : 1194678.0/19

Left In: 193.395 ± 0.112 χ^2/NDF : 6041.4/1

215.426 ± 0.054 χ^2/NDF : 656949.7/19

195.754 ± 0.050 χ^2/NDF : 1201274.0/21

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 ± 54.799 χ^2/NDF : 30658.3/16

Left Out: -830.086 ± 127.626 χ^2/NDF : 2702.6/2

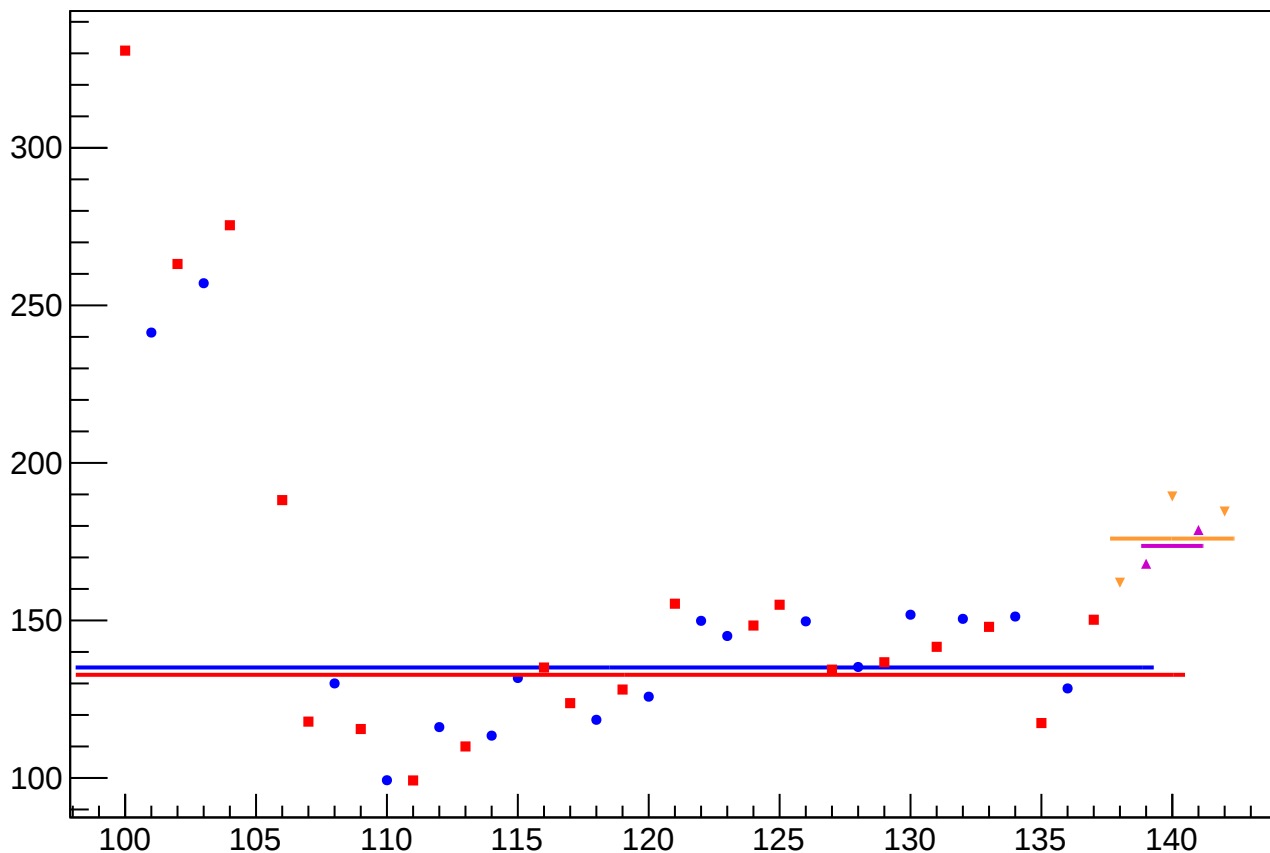
Right Out: 4532.856 ± 52.261 χ^2/NDF : 7477.3/19

Left In: 8794.609 ± 141.893 χ^2/NDF : 1408.4/1

37.130 ± 50.353 χ^2/NDF : 33415.5/19

5041.924 ± 49.040 χ^2/NDF : 9680.1/21

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 ± 0.039 χ^2/NDF : 658703.5/16

Left Out: 175.984 ± 0.090 χ^2/NDF : 20286.1/2

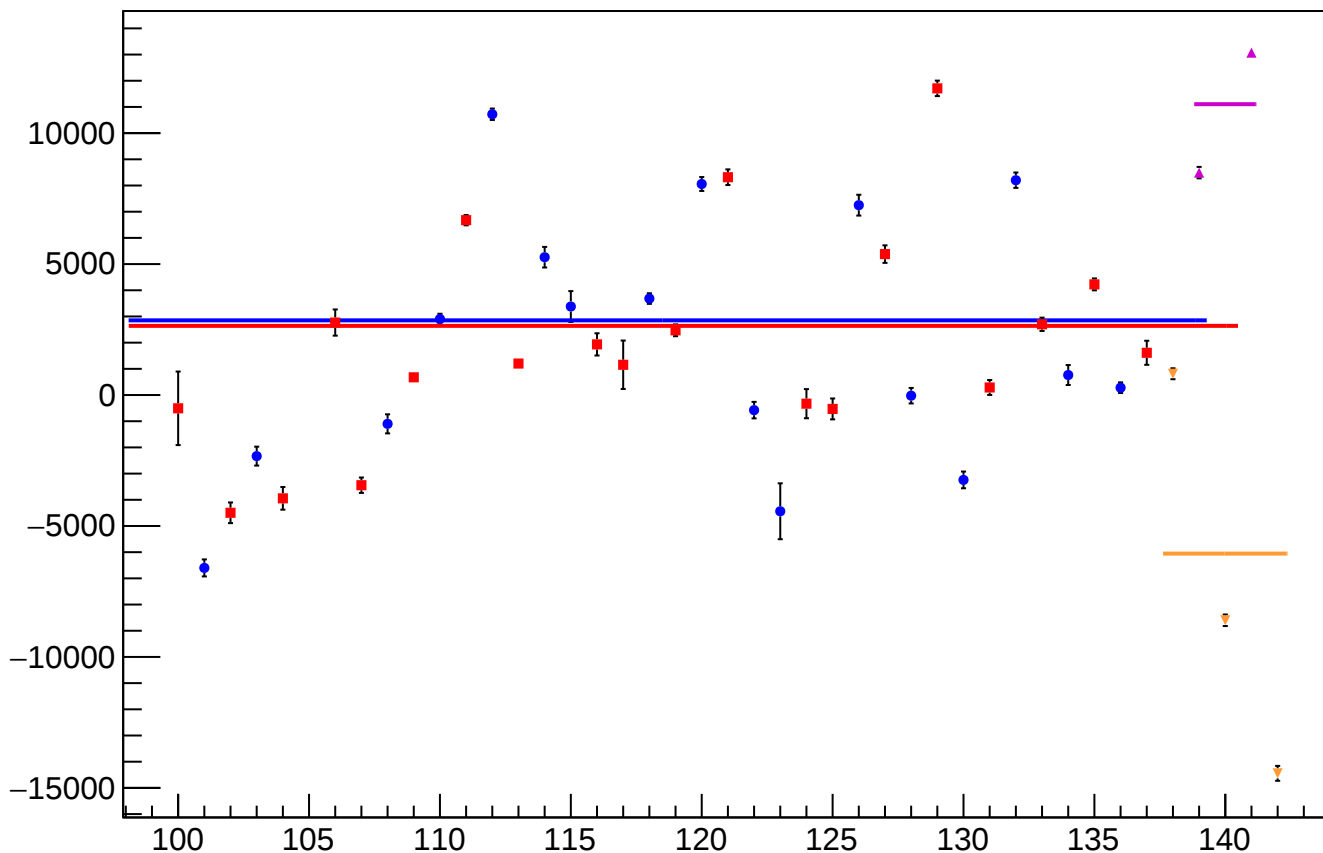
Right Out: 132.747 ± 0.037 χ^2/NDF : 831647.2/19

Left In: 173.651 ± 0.100 χ^2/NDF : 2840.2/1

141.440 ± 0.036 χ^2/NDF : 852519.9/19

137.633 ± 0.035 χ^2/NDF : 980836.0/21

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -6054.076+/-133.822 χ^2/NDF :2078.8/2

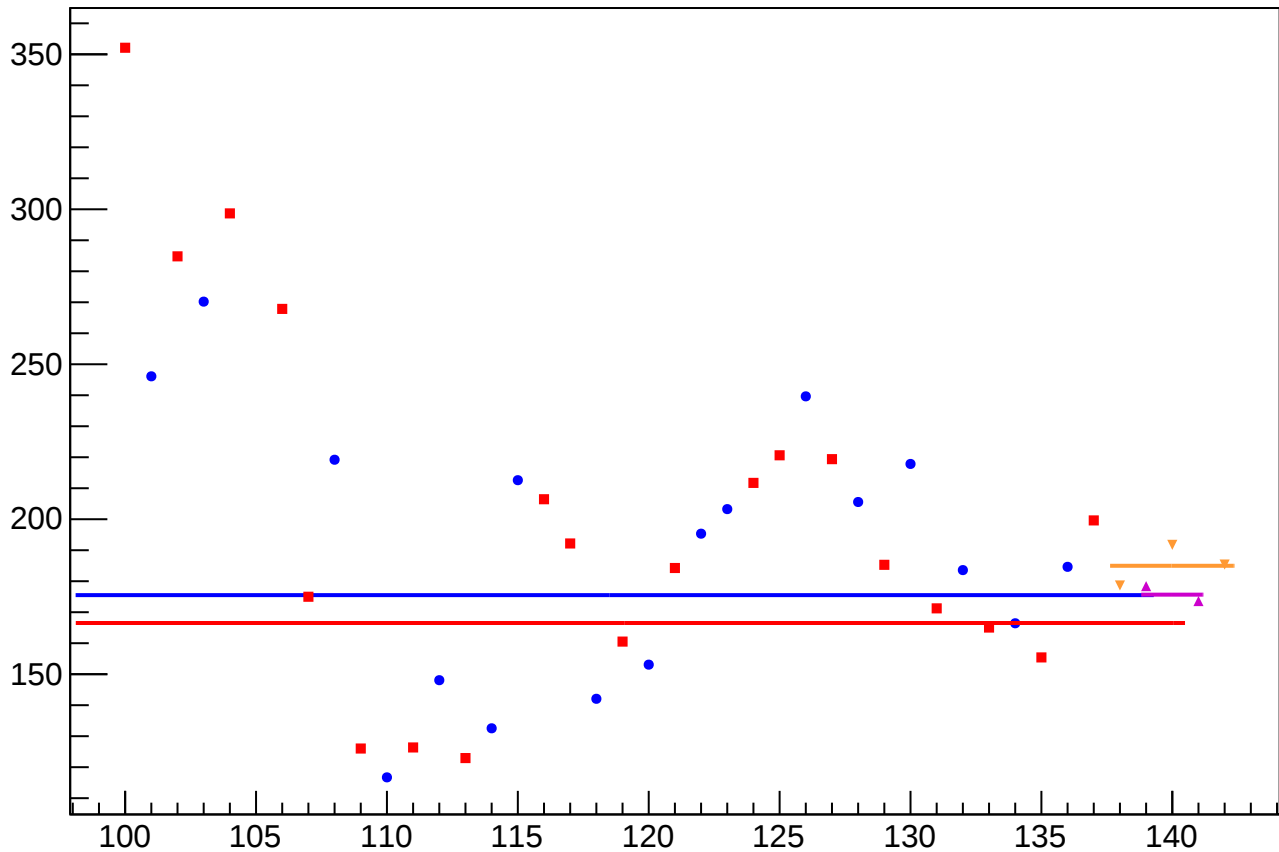
Right Out: 2641.642+/-65.566 χ^2/NDF : 3178.3/19

Left In: 11104.825+/-143.276 χ^2/NDF :250.6/1

905.875+/-62.549 χ^2/NDF : 9718.0/19

4107.075+/-59.619 χ^2/NDF : 6313.9/21

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 ± 0.050 χ^2/NDF : 689642.3/16

Left Out: 184.982 ± 0.095 χ^2/NDF : 3729.2/2

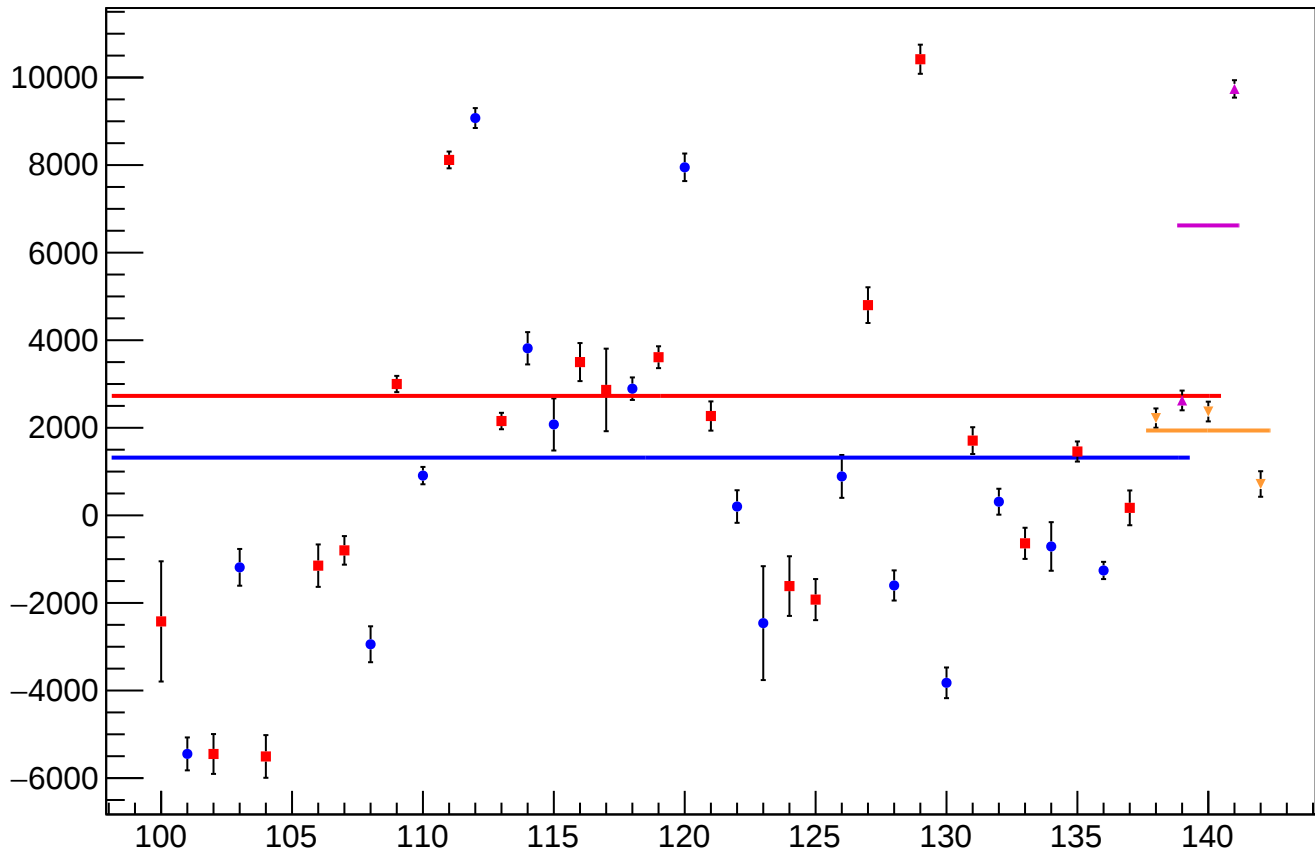
Right Out: 166.522 ± 0.046 χ^2/NDF : 931079.9/19

Left In: 175.667 ± 0.101 χ^2/NDF : 552.7/1

177.583 ± 0.044 χ^2/NDF : 701195.3/19

168.106 ± 0.042 χ^2/NDF : 938368.6/21

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1938.246+/-138.664 χ^2/NDF : 22.9/2

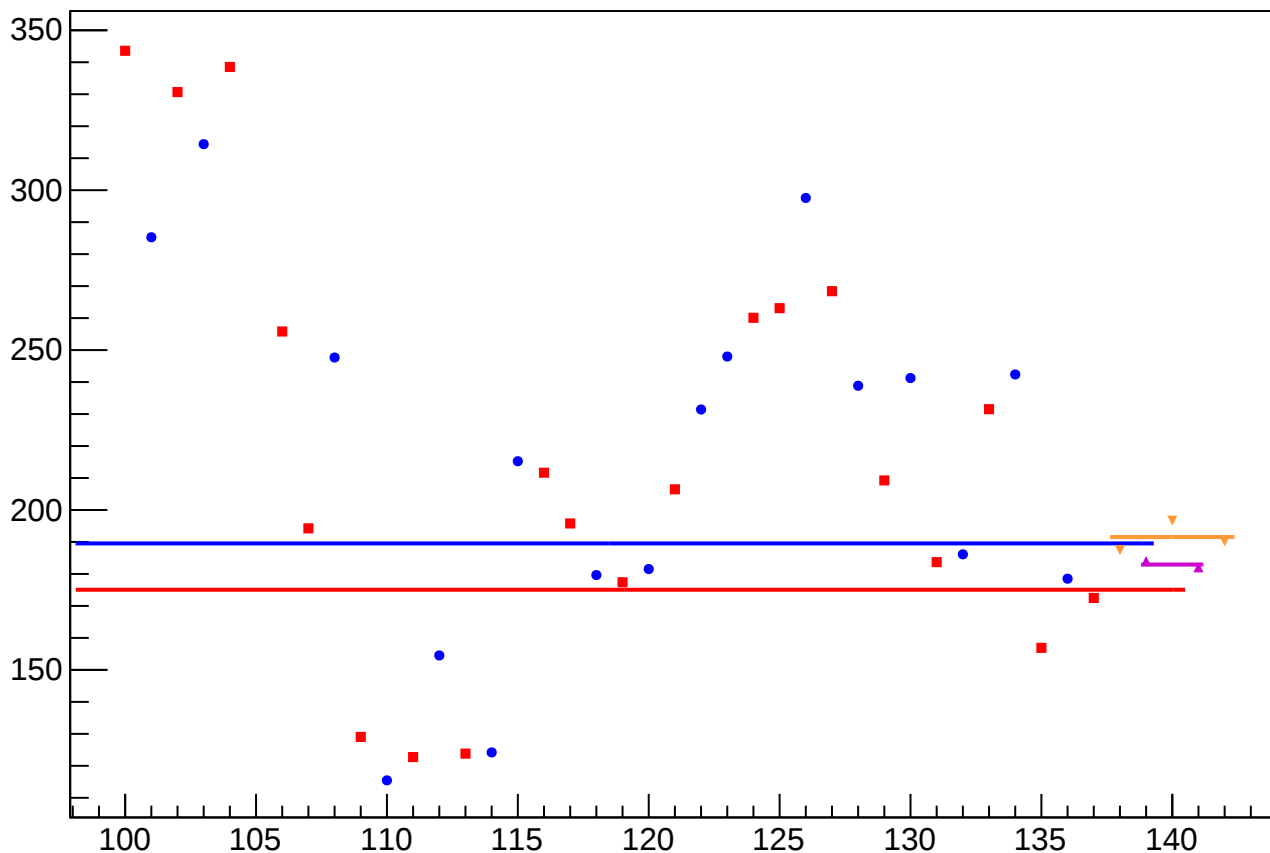
Right Out: 2728.550+/-69.837 χ^2/NDF : 2495.9/19

Left In: 6621.469+/-149.168 χ^2/NDF : 560.1/1

1465.375+/-67.415 χ^2/NDF : 2705.1/19

3428.425+/-63.248 χ^2/NDF : 3614.6/21

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 ± 0.055 χ^2/NDF : 980744.6/16

Left Out: 191.545 ± 0.098 χ^2/NDF : 1764.0/2

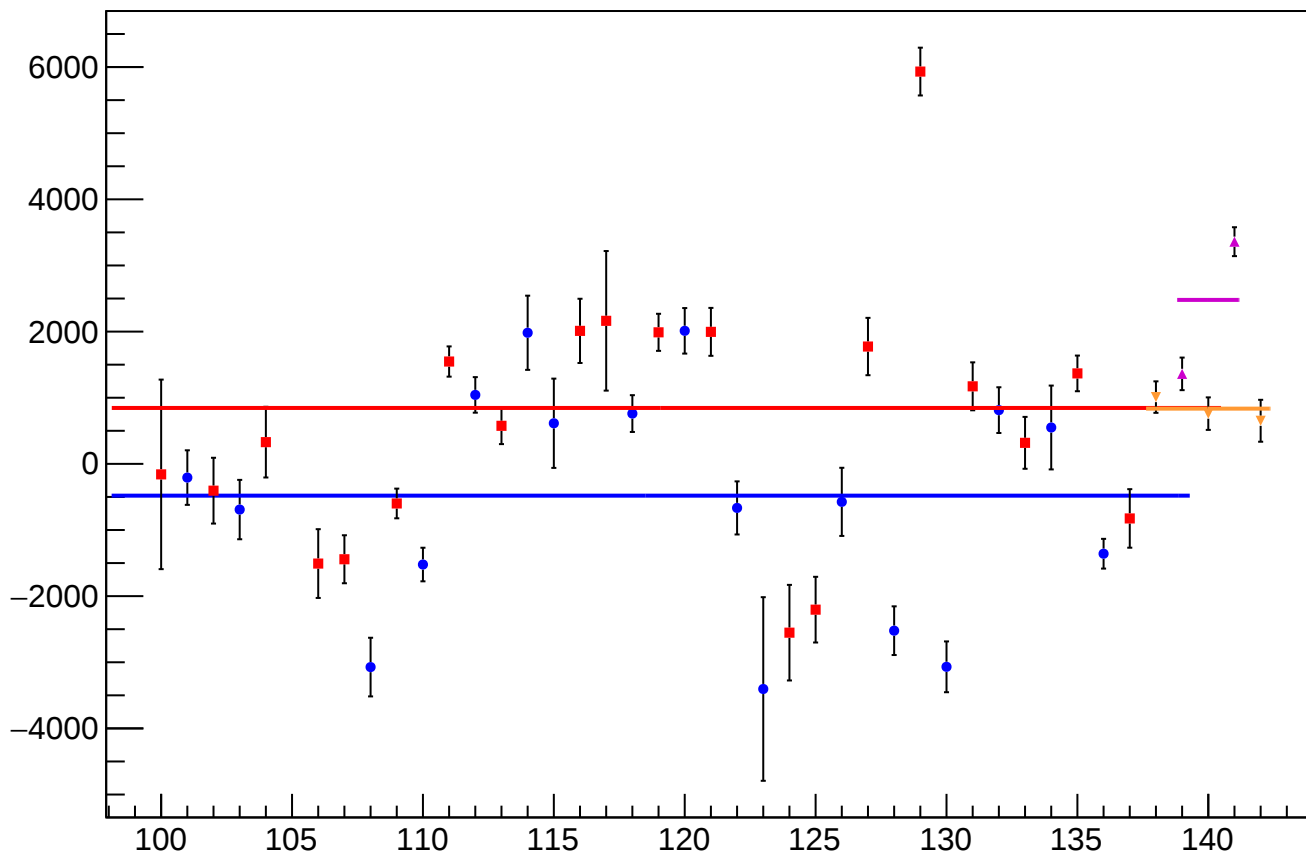
Right Out: 175.058 ± 0.049 χ^2/NDF : 1298079.7/19

Left In: 182.937 ± 0.105 χ^2/NDF : 85.5/1

190.017 ± 0.048 χ^2/NDF : 982826.4/19

176.475 ± 0.045 χ^2/NDF : 1302742.1/21

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 835.191 ± 150.486 χ^2/NDF : 1.0/2

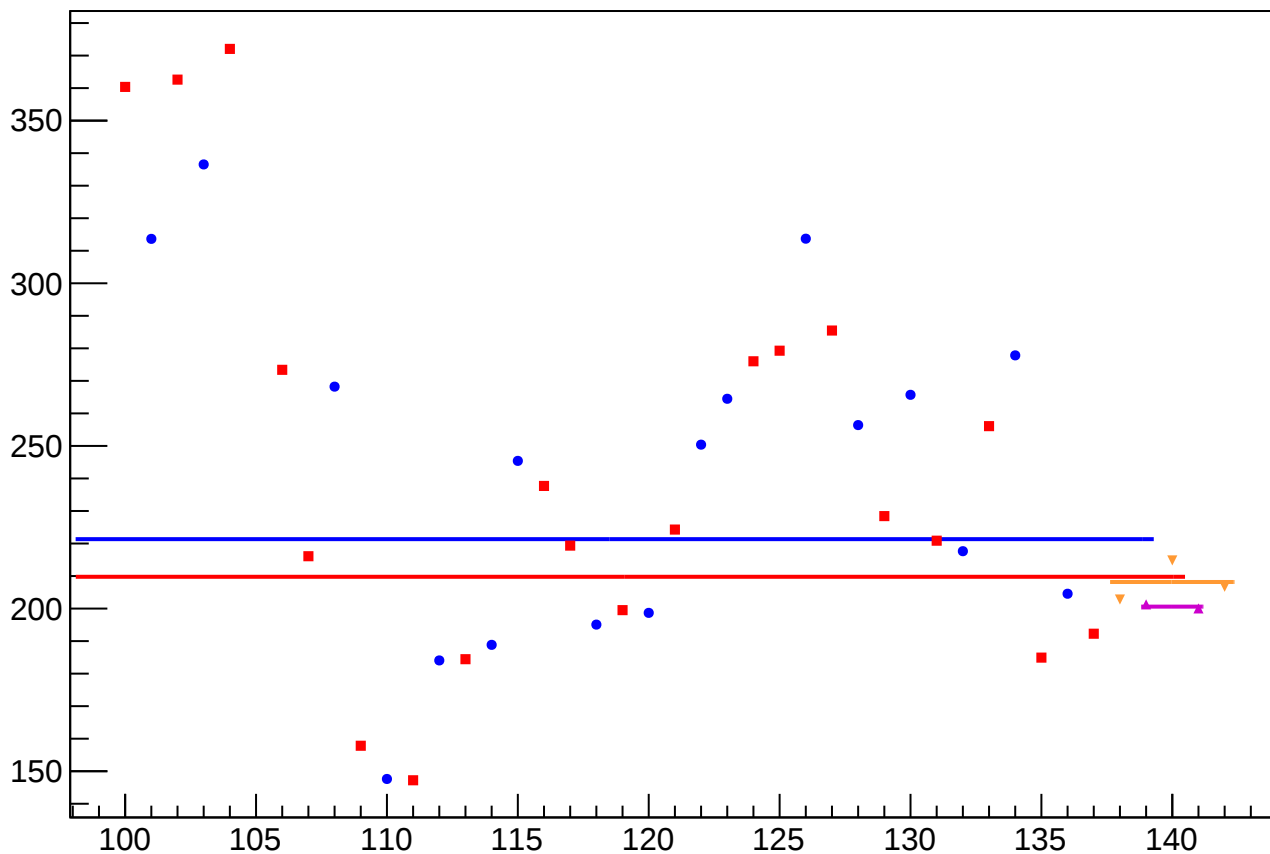
Right Out: 845.444 ± 81.995 χ^2/NDF : 436.9/19

Left In: 2479.281 ± 163.427 χ^2/NDF : 36.9/1

-141.659 ± 76.376 χ^2/NDF : 348.4/19

1174.010 ± 73.288 χ^2/NDF : 553.6/21

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 ± 0.063 χ^2/NDF : 645688.1/16

Left Out: 208.173 ± 0.106 χ^2/NDF : 2522.9/2

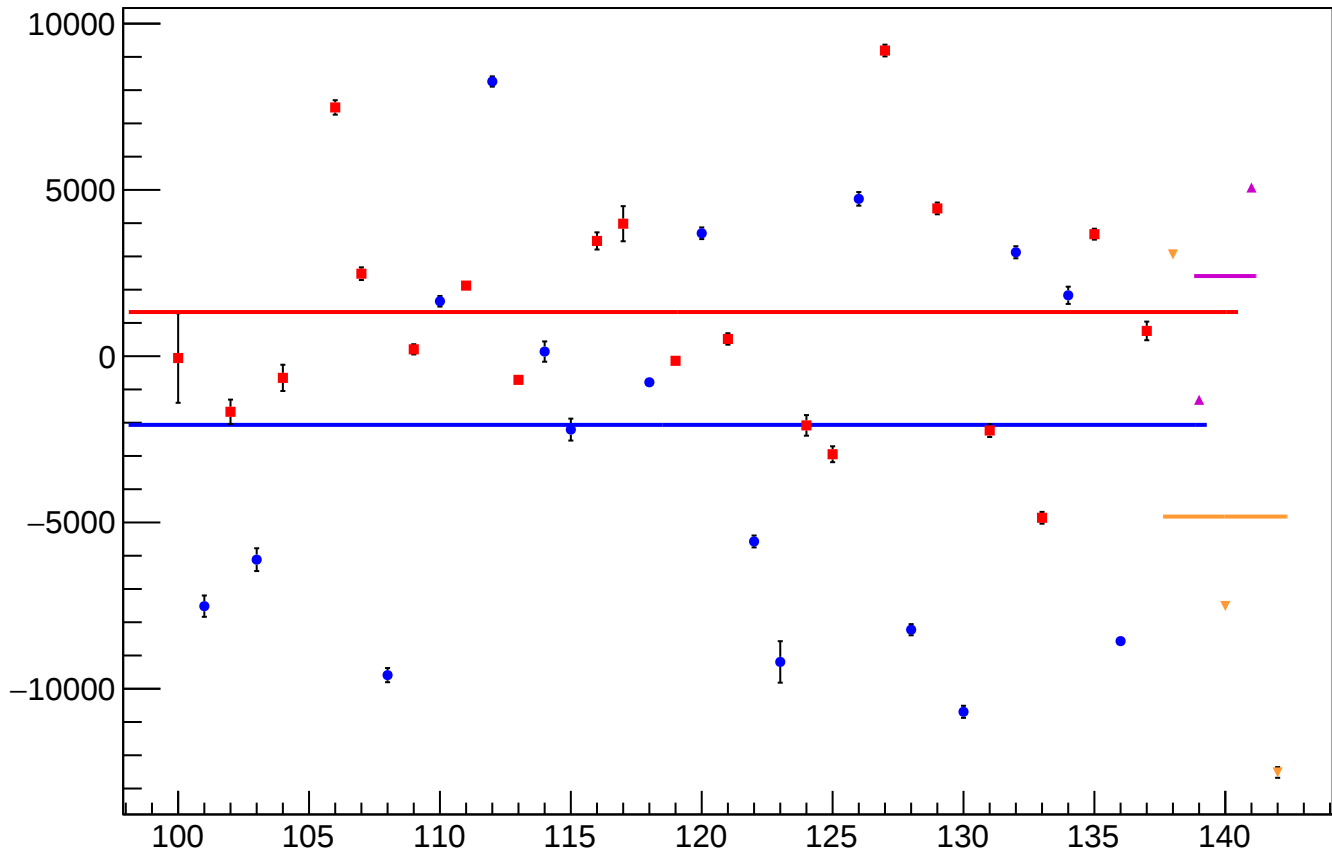
Right Out: 209.775 ± 0.058 χ^2/NDF : 884083.7/19

Left In: 200.599 ± 0.116 χ^2/NDF : 28.6/1

217.950 ± 0.054 χ^2/NDF : 659581.6/19

207.929 ± 0.052 χ^2/NDF : 889149.5/21

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 χ^2/NDF : 16533.3/16

Left Out: -4822.905 ± 78.388 χ^2/NDF : 6471.0/2

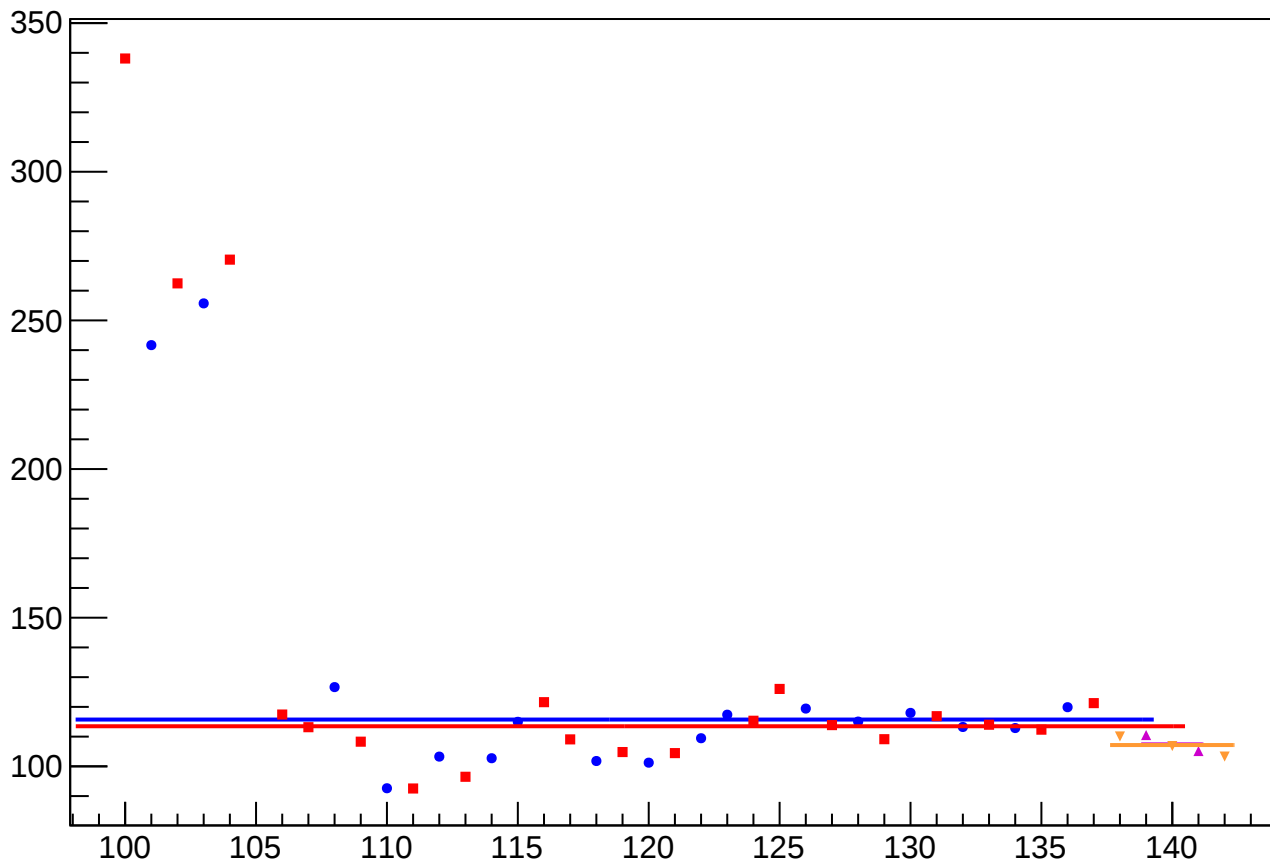
Right Out: 1327.819 ± 44.838 χ^2/NDF : 5919.9/19

Left In: 2410.016 ± 88.461 χ^2/NDF : 1266.1/1

-2801.757 ± 40.512 χ^2/NDF : 23911.4/19

1549.025 ± 39.994 χ^2/NDF : 7305.1/21

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 ± 0.033 χ^2/NDF : 744017.7/16

Left Out: 107.167 ± 0.055 χ^2/NDF : 2174.7/2

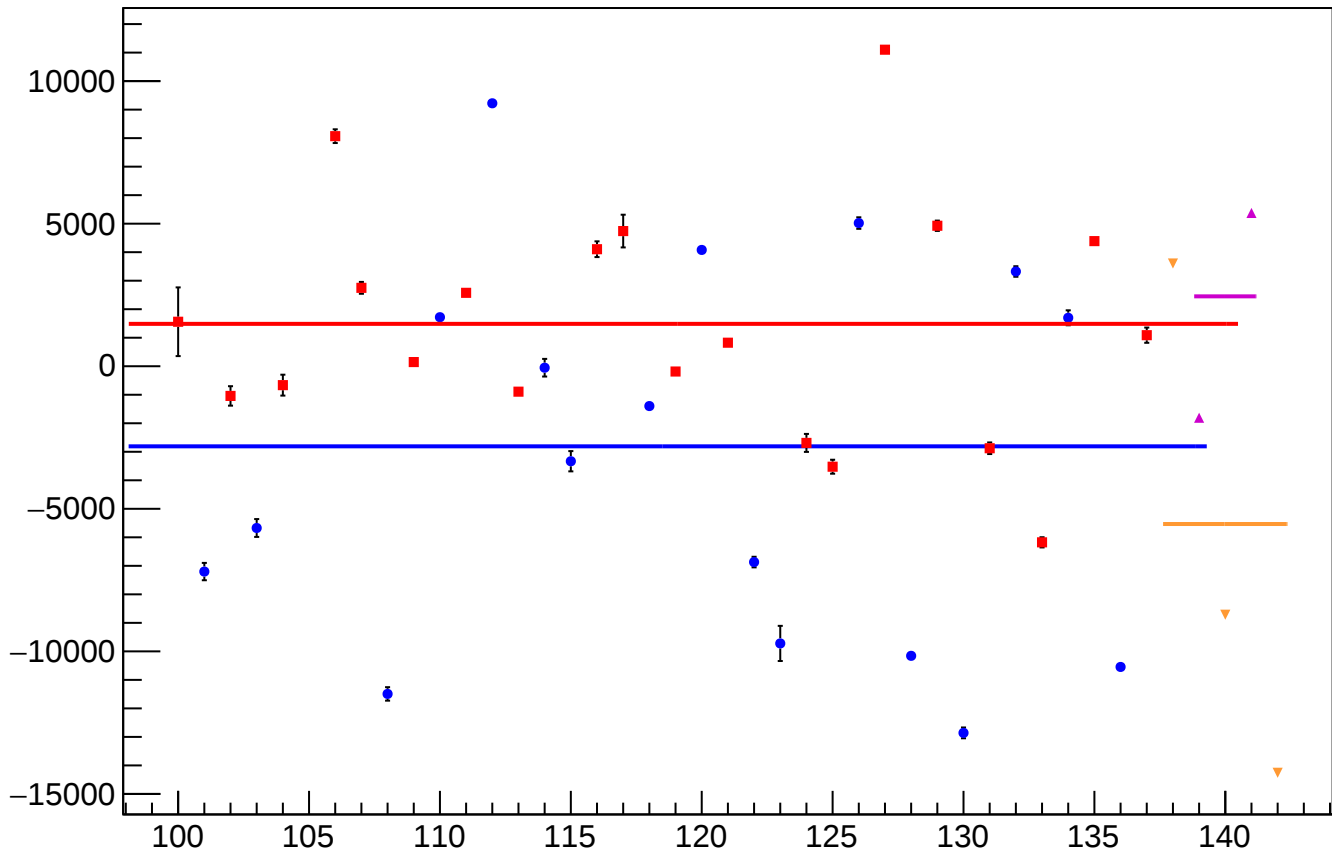
Right Out: 113.487 ± 0.032 χ^2/NDF : 796781.7/19

Left In: 107.399 ± 0.063 χ^2/NDF : 1798.6/1

113.451 ± 0.029 χ^2/NDF : 763727.4/19

112.242 ± 0.028 χ^2/NDF : 806118.0/21

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101 $\pm$ 48.284 χ^2 /NDF: 21263.1/16

Left Out: -5533.375 $\pm$ 84.045 χ^2 /NDF: 7294.0/2

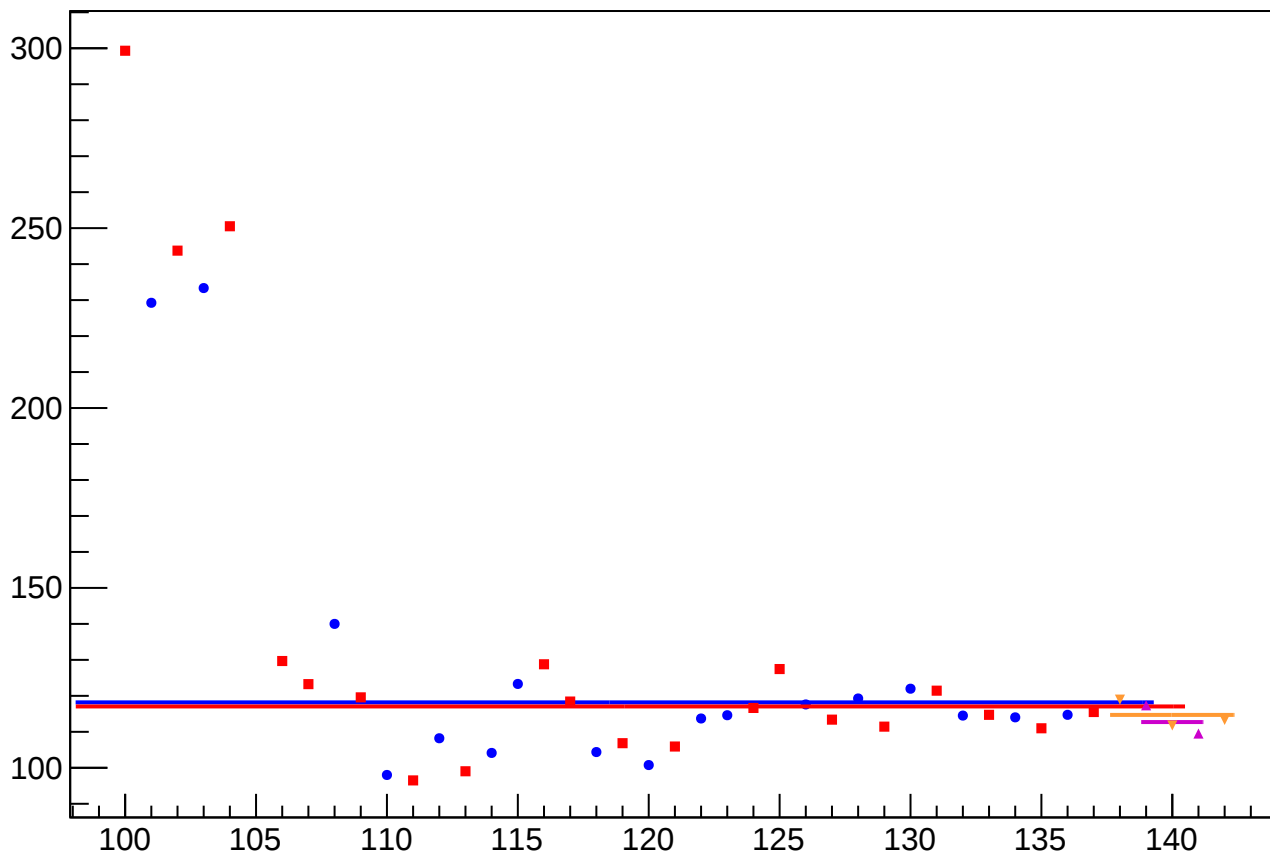
Right Out: 1486.369 $\pm$ 46.243 χ^2 /NDF: 8037.1/19

Left In: 2451.063 $\pm$ 93.058 χ^2 /NDF: 1437.8/1

-3485.142 $\pm$ 41.867 χ^2 /NDF: 29347.1/19

1677.413 $\pm$ 41.412 χ^2 /NDF: 9561.1/21

asym_bpm2i01WS_rms vs Slug



Right In: 118.188 ± 0.034 χ^2/NDF : 636252.0/16

Left Out: 114.702 ± 0.059 χ^2/NDF : 2970.9/2

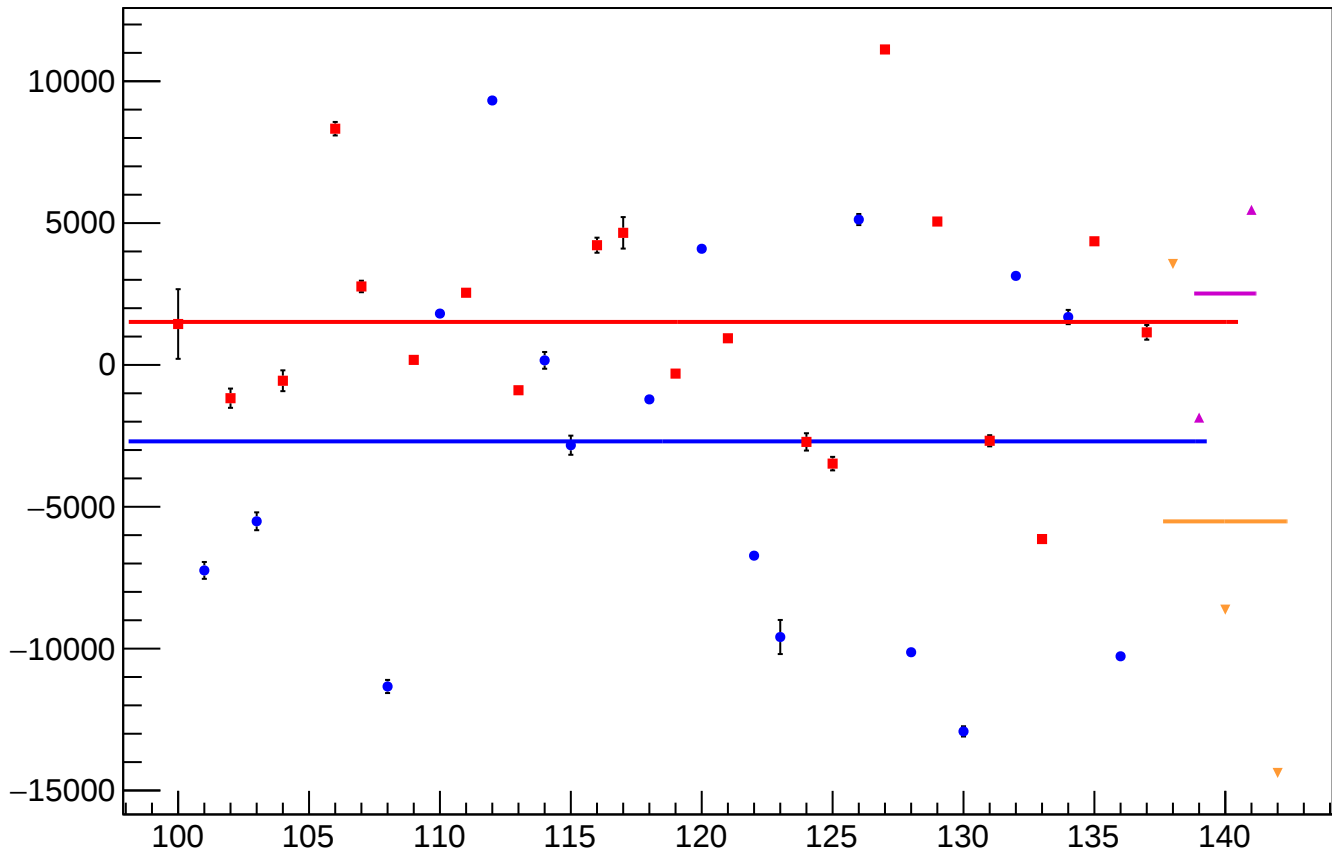
Right Out: 117.054 ± 0.033 χ^2/NDF : 690646.8/19

Left In: 112.716 ± 0.066 χ^2/NDF : 3432.6/1

117.323 ± 0.030 χ^2/NDF : 641809.5/19

116.195 ± 0.029 χ^2/NDF : 697565.4/21

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 ± 46.347 $\chi^2/\text{NDF}: 22860.3/16$

Left Out: -5514.756 ± 81.060 $\chi^2/\text{NDF}: 7820.1/2$

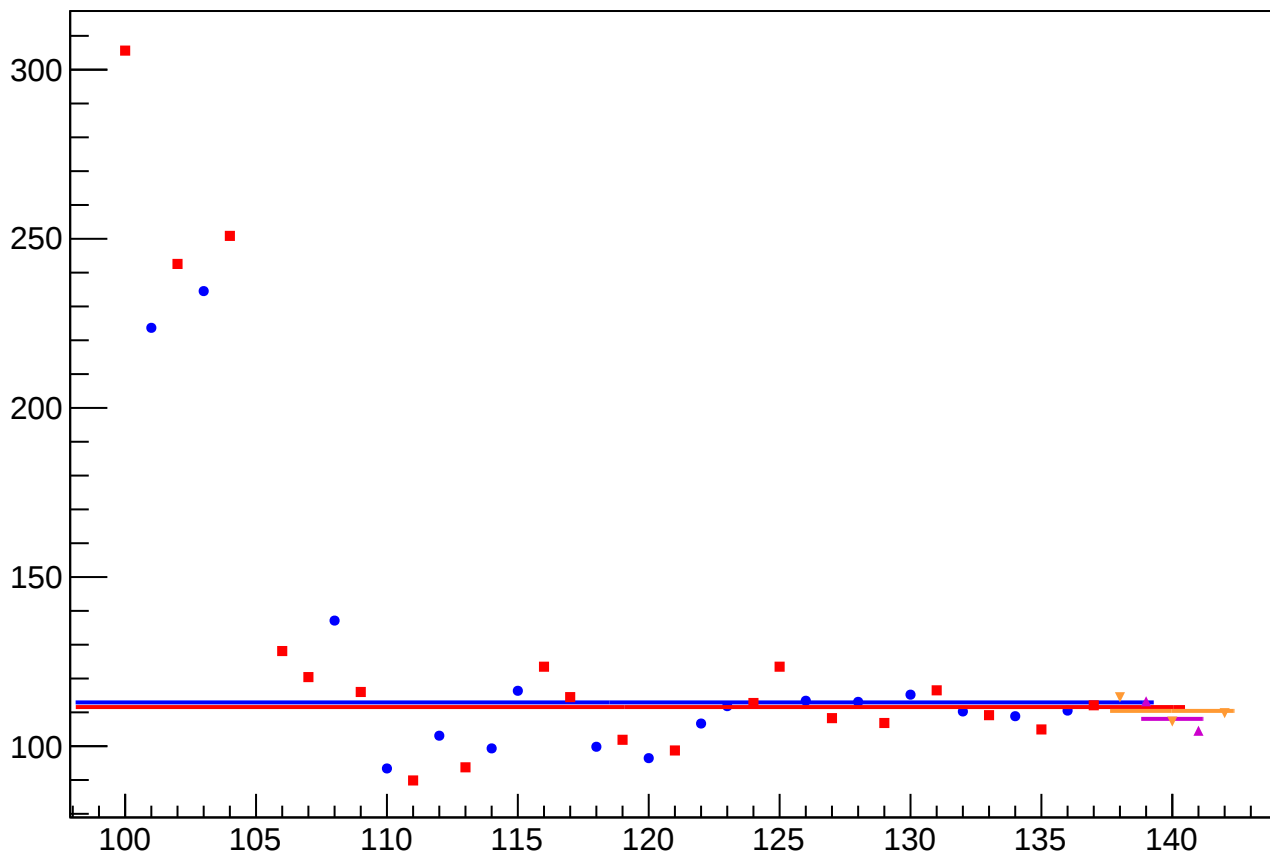
Right Out: 1515.863 ± 44.303 $\chi^2/\text{NDF}: 8749.3/19$

Left In: 2517.322 ± 89.418 $\chi^2/\text{NDF}: 1613.6/1$

-3389.156 ± 40.235 $\chi^2/\text{NDF}: 31592.9/19$

1713.247 ± 39.698 $\chi^2/\text{NDF}: 10463.6/21$

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 110.431 $\pm$ 0.057 χ^2 /NDF:3067.5/2

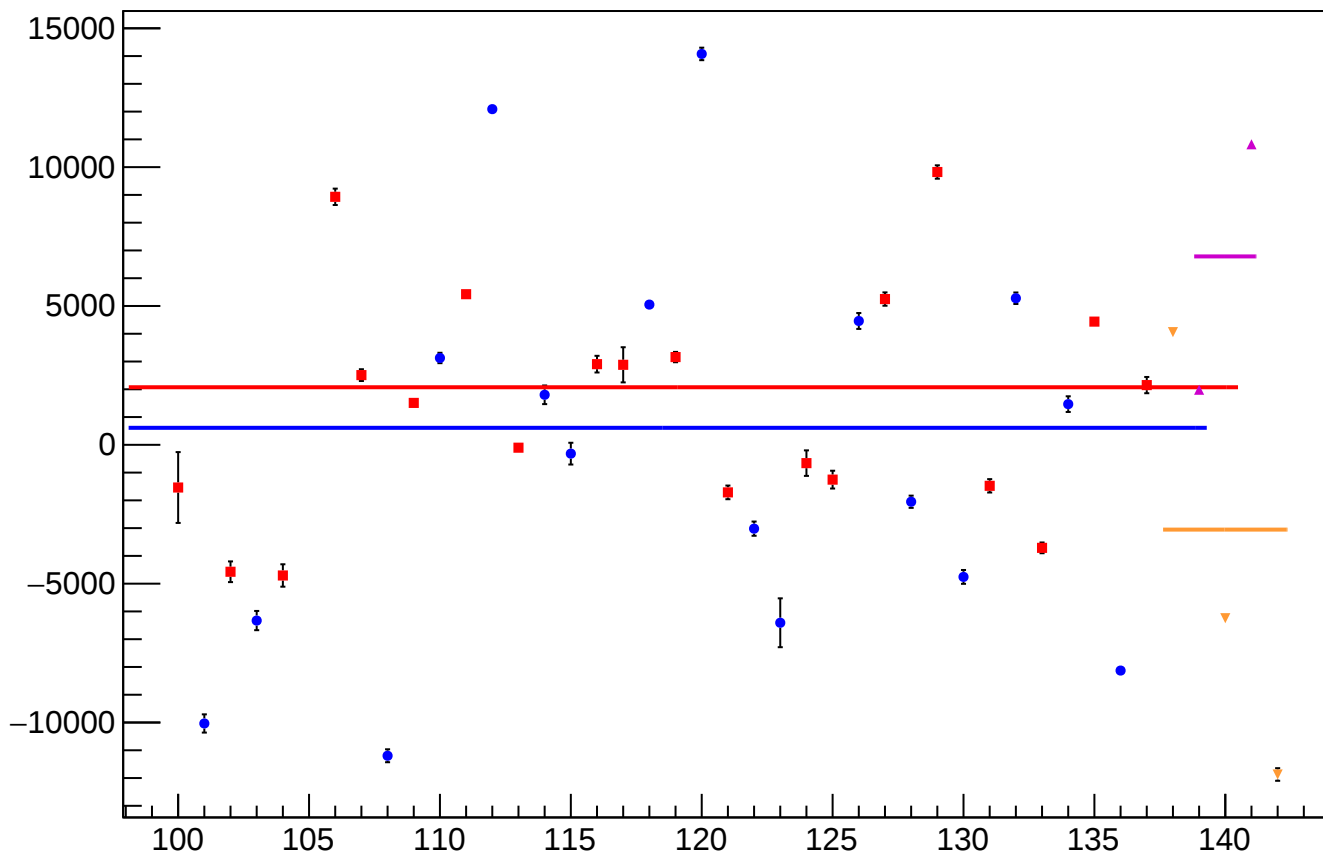
Right Out: 111.562 $\pm$ 0.031 χ^2 /NDF: 765559.1/19

Left In: 108.072 $\pm$ 0.063 χ^2 /NDF:4564.4/1

112.322 $\pm$ 0.028 χ^2 /NDF: 684794.7/19

110.874 $\pm$ 0.028 χ^2 /NDF: 772570.8/21

asym_bpm0i01WS_mean vs Slug



Right In: 612.621+/-56.062 χ^2/NDF : 18243.4/16

Left Out: -3053.078+/-103.330 χ^2/NDF : 3862.2/2

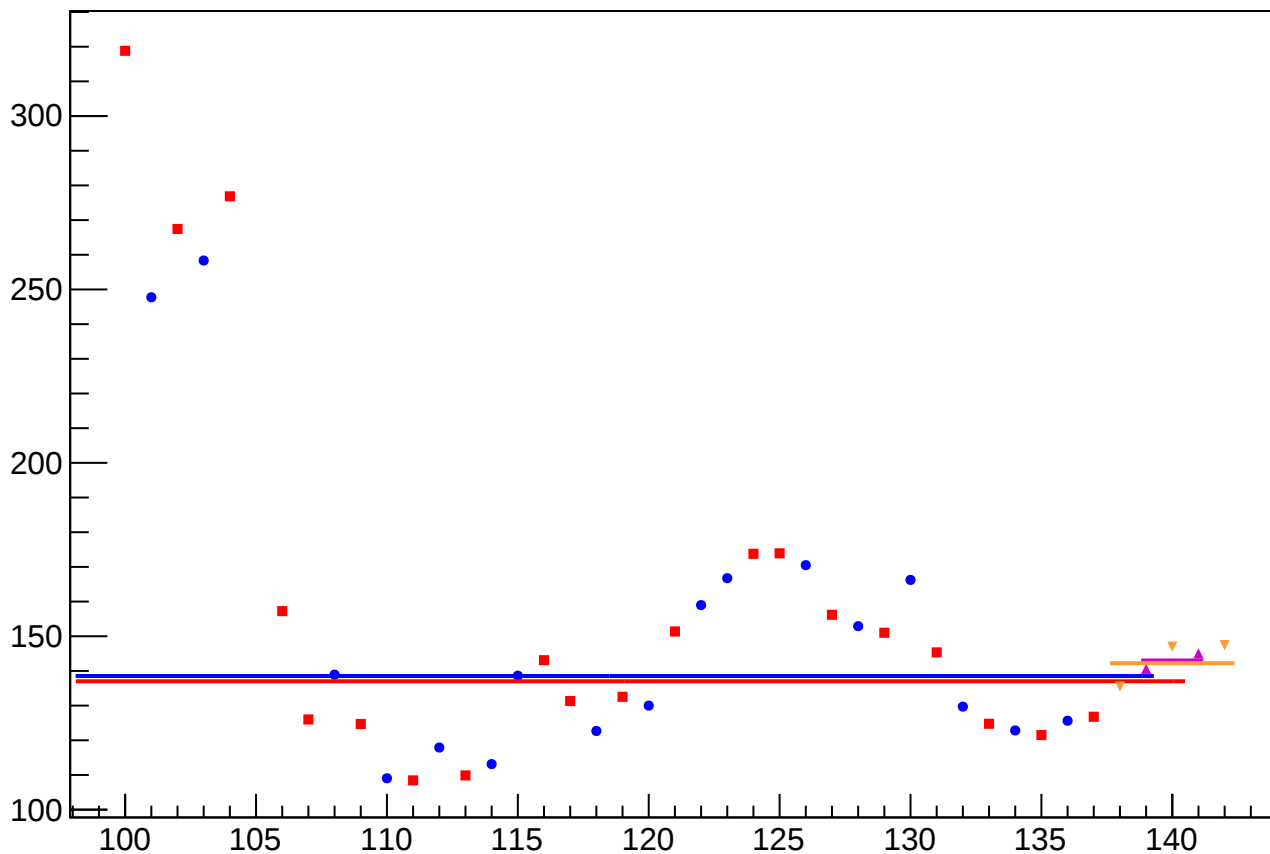
Right Out: 2073.278+/-53.736 χ^2/NDF : 4644.3/19

Left In: 6784.961+/-117.134 χ^2/NDF : 1413.1/1

-221.023+/-49.276 χ^2/NDF : 23077.8/19

2892.483+/-48.842 χ^2/NDF : 7394.1/21

asym_bpm0i01WS_rms vs Slug



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 142.232 $\pm$ 0.073 χ^2 /NDF:6195.8/2

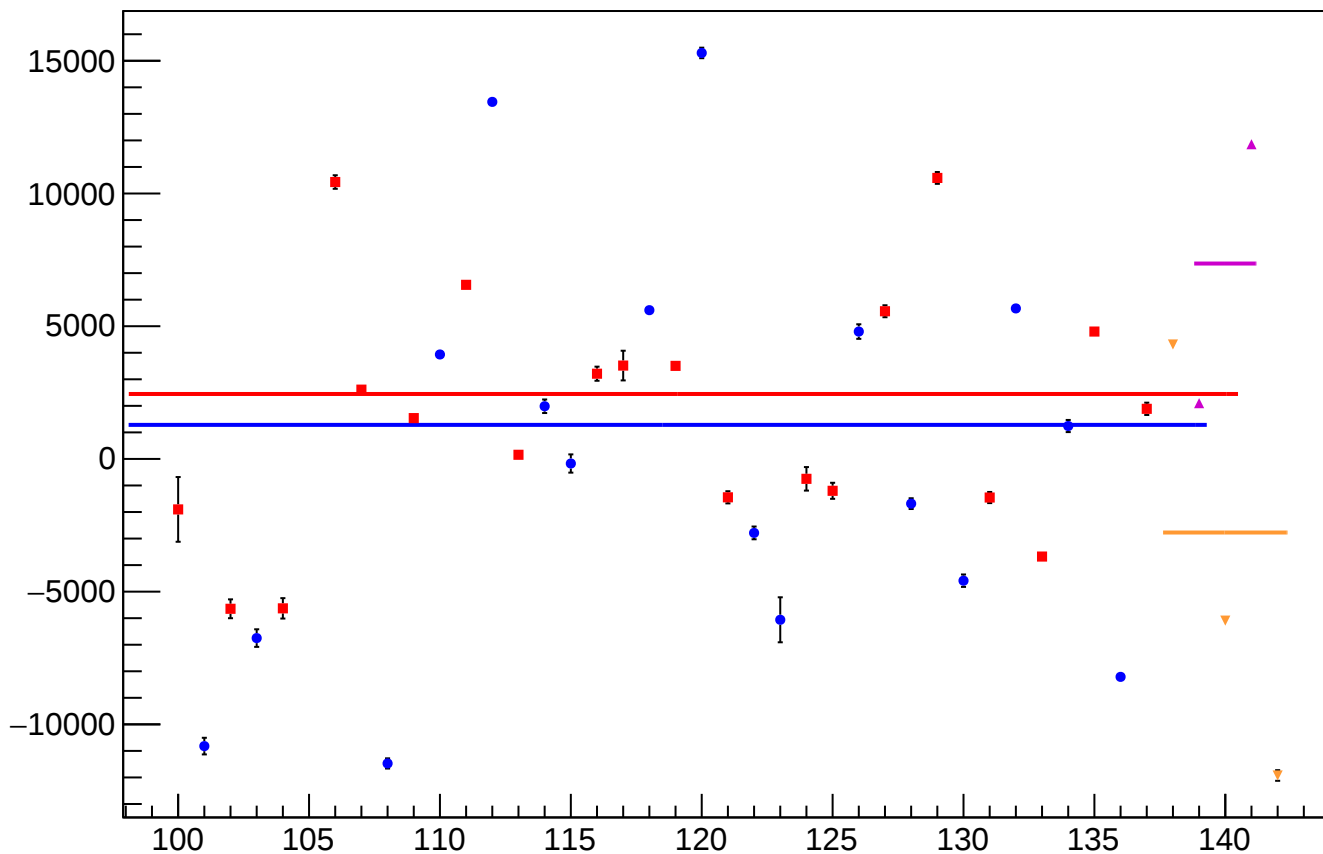
Right Out: 137.019 $\pm$ 0.038 χ^2 /NDF: 755655.0/19

Left In: 143.014 $\pm$ 0.083 χ^2 /NDF:712.7/1

139.381 $\pm$ 0.035 χ^2 /NDF: 677107.8/19

138.062 $\pm$ 0.035 χ^2 /NDF: 760695.0/21

asym_bpm0i01aWS_mean vs Slug



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -2772.195+/-89.615 χ^2/NDF : 5290.5/2

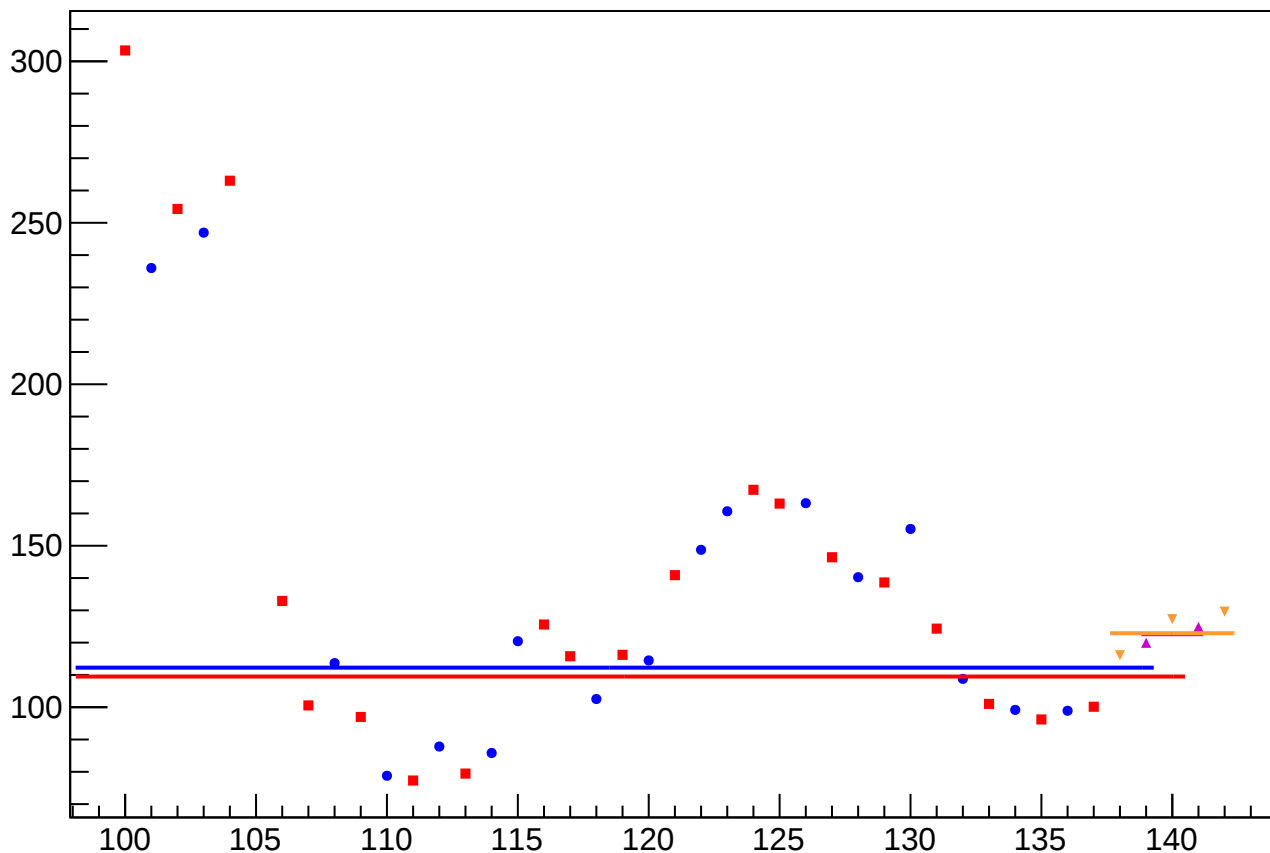
Right Out: 2446.970+/-44.148 χ^2/NDF : 7681.2/19

Left In: 7361.346+/-100.709 χ^2/NDF : 2331.5/1

420.648+/-41.325 χ^2/NDF : 37443.6/19

3239.129+/-40.433 χ^2/NDF : 12010.1/21

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 122.918+/-0.063 χ^2/NDF : 8952.3/2

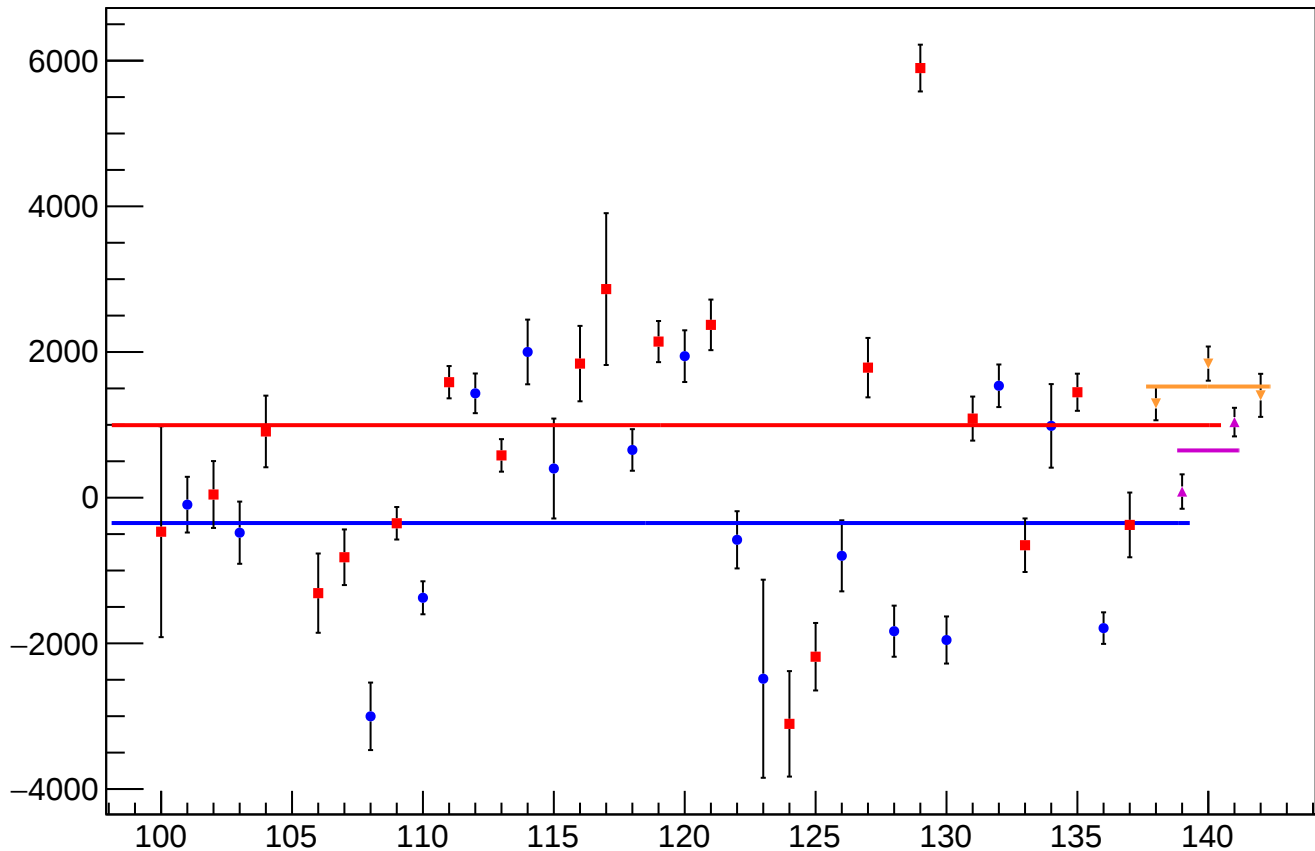
Right Out: 109.500+/-0.031 χ^2/NDF : 1269887.8/19

Left In: 122.610+/-0.071 χ^2/NDF : 1188.0/1

114.519+/-0.029 χ^2/NDF : 1156804.0/19

111.613+/-0.029 χ^2/NDF : 1299507.9/21

asym_bpm0l01WS_mean vs Slug



Right In: -348.055+/-83.826 χ^2/NDF : 317.3/16

Left Out: 1526.135+/-143.871 χ^2/NDF : 3.0/2

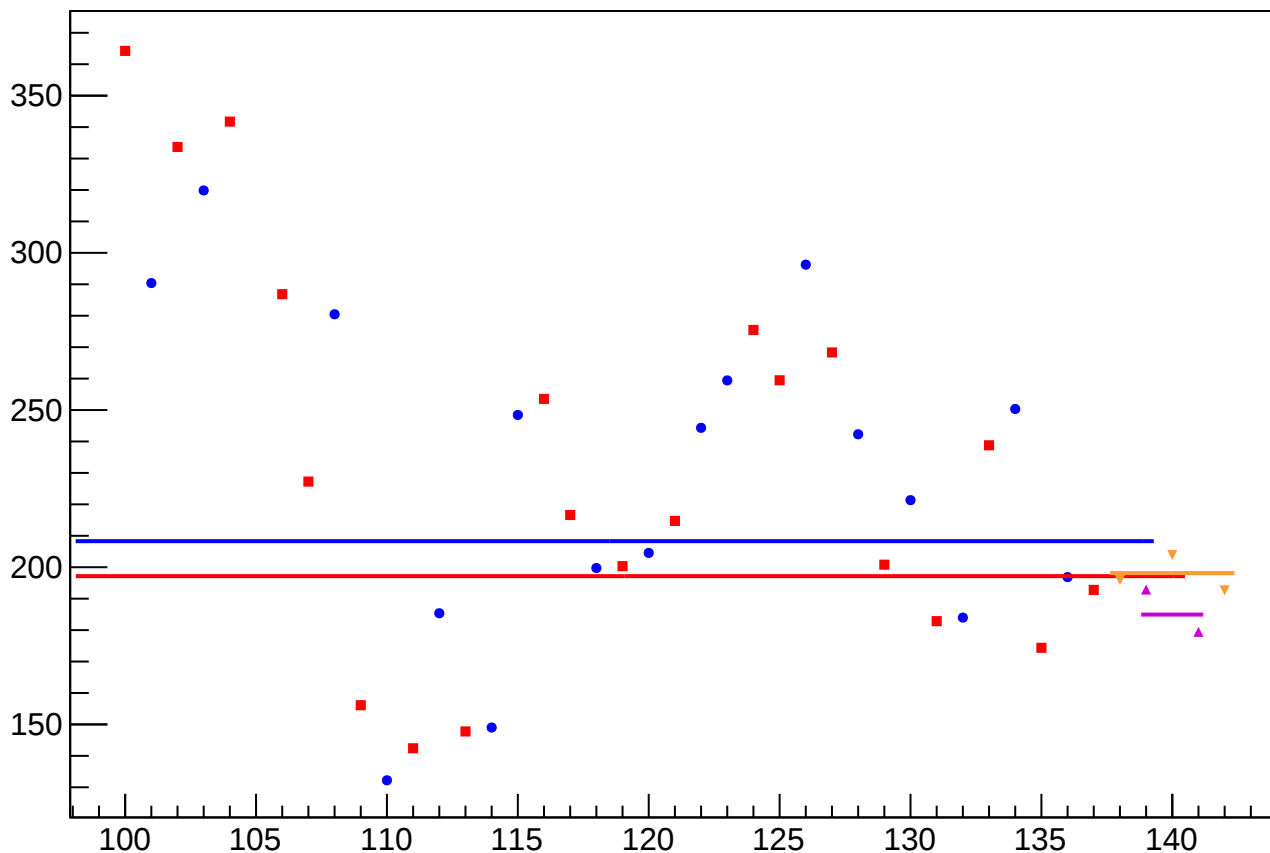
Right Out: 995.622+/-77.468 χ^2/NDF : 479.8/19

Left In: 648.793+/-150.976 χ^2/NDF : 9.6/1

126.945+/-72.429 χ^2/NDF : 447.0/19

923.338+/-68.924 χ^2/NDF : 493.6/21

asym_bpm0l01WS_rms vs Slug



Right In: 208.288 ± 0.059 χ^2/NDF : 698491.0/16

Left Out: 198.136 ± 0.102 χ^2/NDF : 2069.0/2

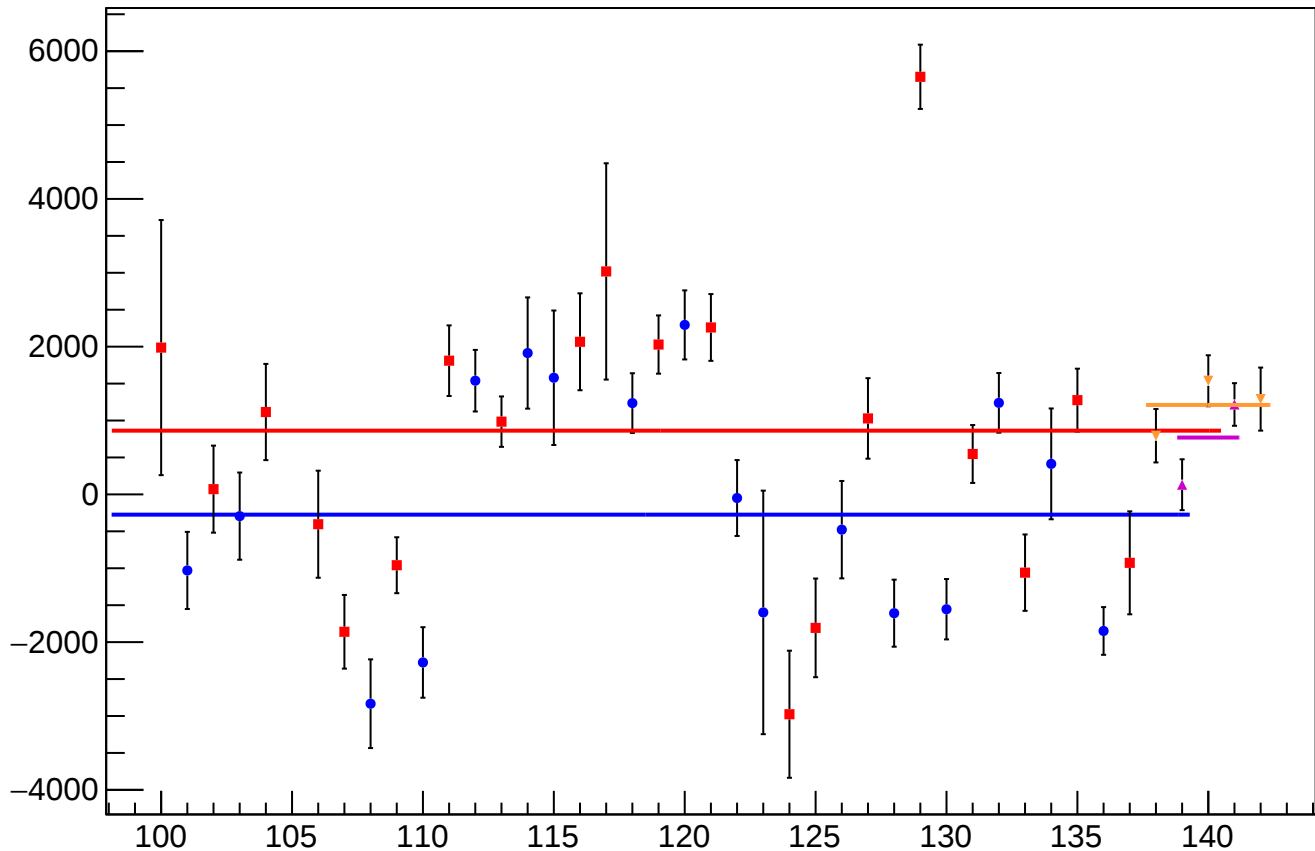
Right Out: 197.159 ± 0.055 χ^2/NDF : 927487.8/19

Left In: 184.936 ± 0.107 χ^2/NDF : 3829.1/1

205.715 ± 0.051 χ^2/NDF : 707993.6/19

194.612 ± 0.049 χ^2/NDF : 941694.6/21

asym_bpm0l02WS_mean vs Slug



Right In: -274.260+/-121.326 χ^2/NDF : 171.6/16

Left Out: 1210.902+/-215.542 χ^2/NDF : 2.3/2

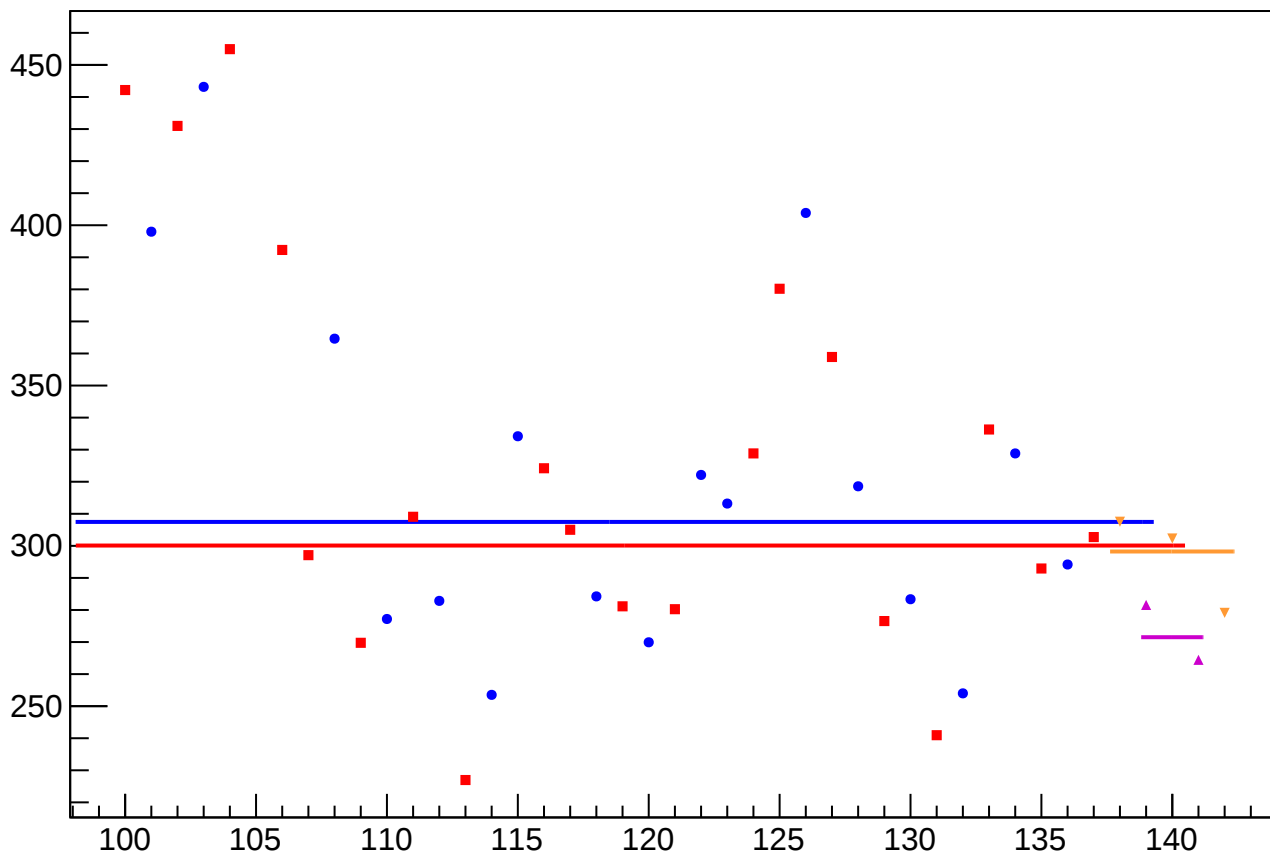
Right Out: 862.791+/-114.993 χ^2/NDF : 265.4/19

Left In: 769.538+/-221.135 χ^2/NDF : 5.8/1

83.081+/-105.727 χ^2/NDF : 209.9/19

842.941+/-102.023 χ^2/NDF : 271.4/21

asym_bpm0l02WS_rms vs Slug



Right In: 307.468 ± 0.086 χ^2/NDF : 323096.7/16

Left Out: 298.244 ± 0.152 χ^2/NDF : 5613.4/2

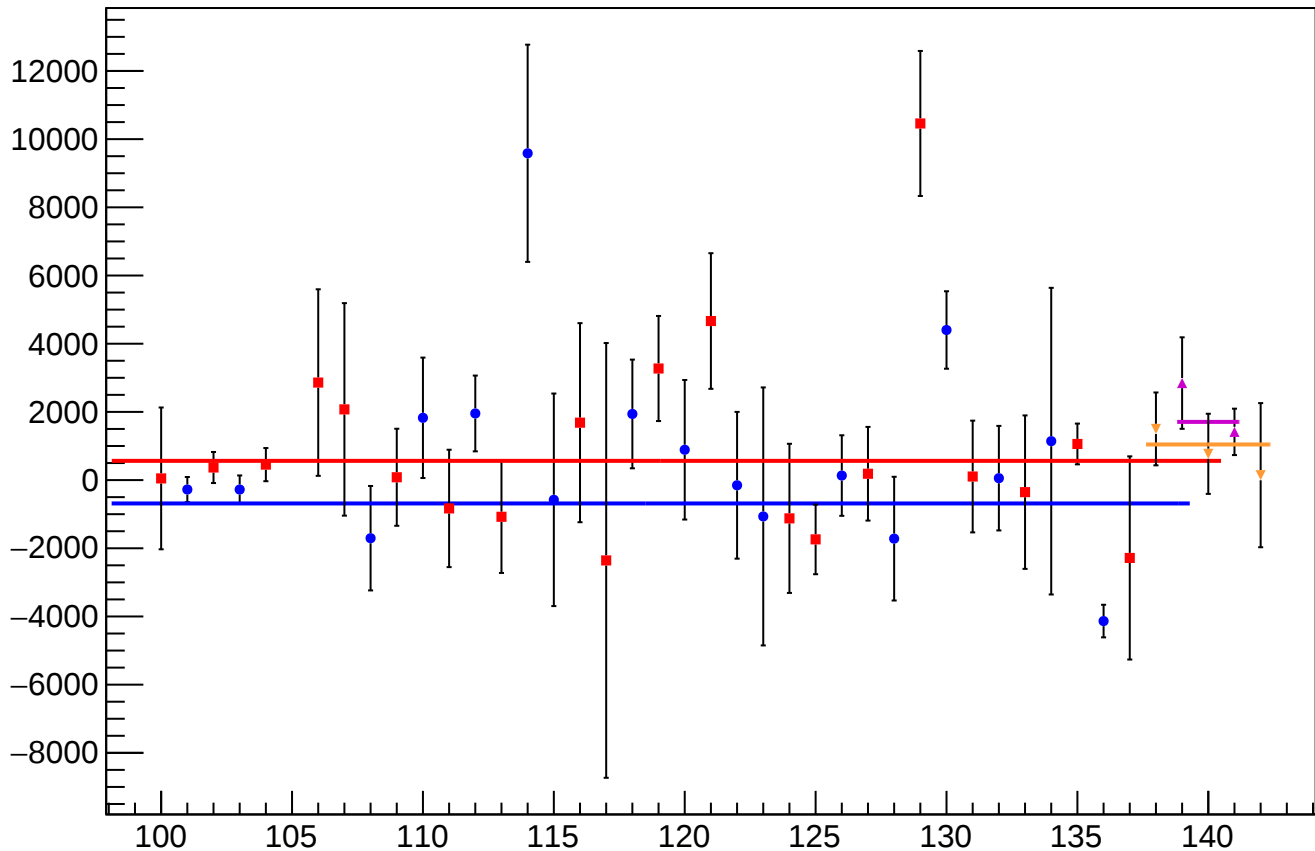
Right Out: 300.100 ± 0.081 χ^2/NDF : 490421.6/19

Left In: 271.511 ± 0.156 χ^2/NDF : 2905.0/1

305.249 ± 0.075 χ^2/NDF : 331491.5/19

294.015 ± 0.072 χ^2/NDF : 519640.0/21

asym_bpm0l03WS_mean vs Slug



Right In: -685.056+/-210.341 χ^2/NDF : 97.4/16

Left Out: 1044.639+/-740.493 χ^2/NDF : 0.4/2

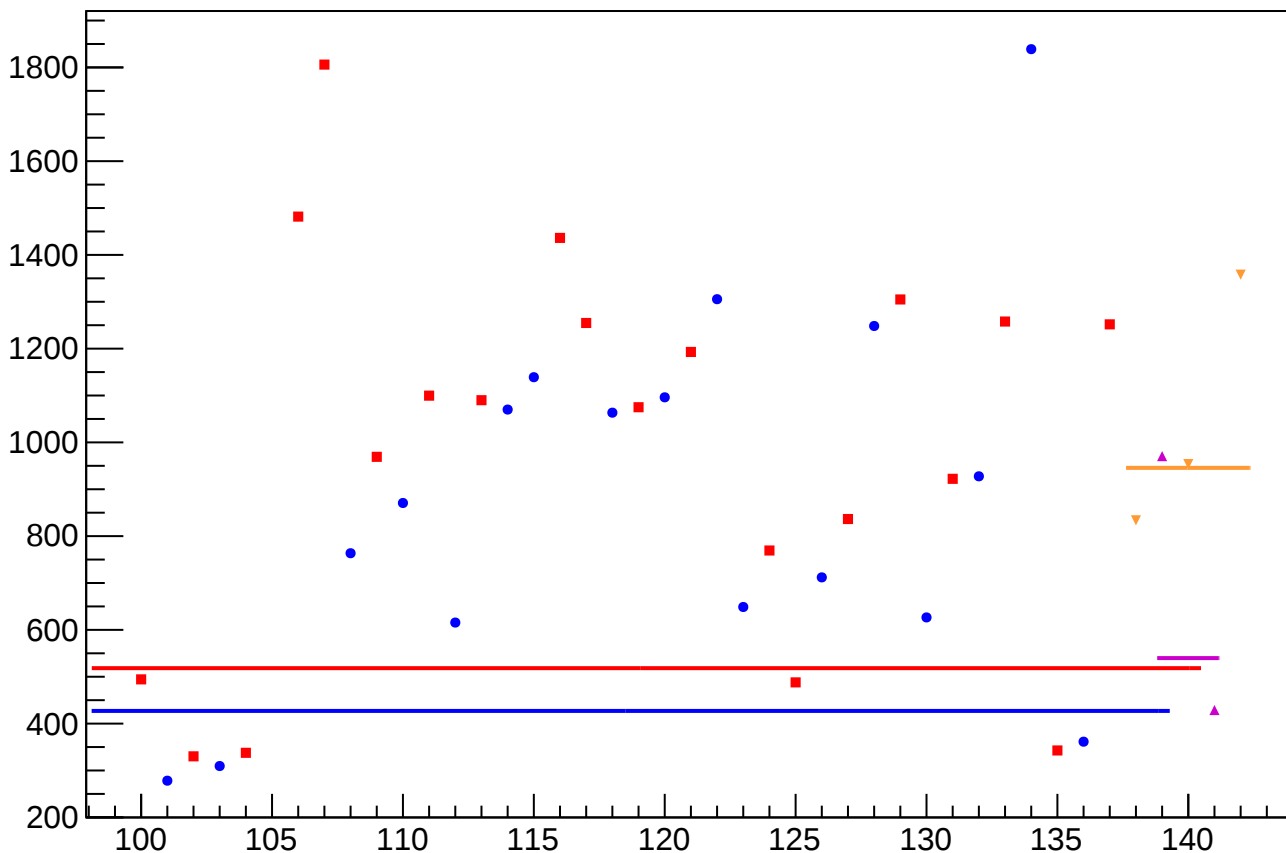
Right Out: 564.400+/-243.074 χ^2/NDF : 39.9/19

Left In: 1706.979+/-606.977 χ^2/NDF : 0.9/1

-555.912+/-202.336 χ^2/NDF : 102.8/19

722.315+/-225.652 χ^2/NDF : 43.9/21

asym_bpm0l03WS_rms vs Slug



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 945.678+/-0.524 χ^2/NDF :98083.2/2

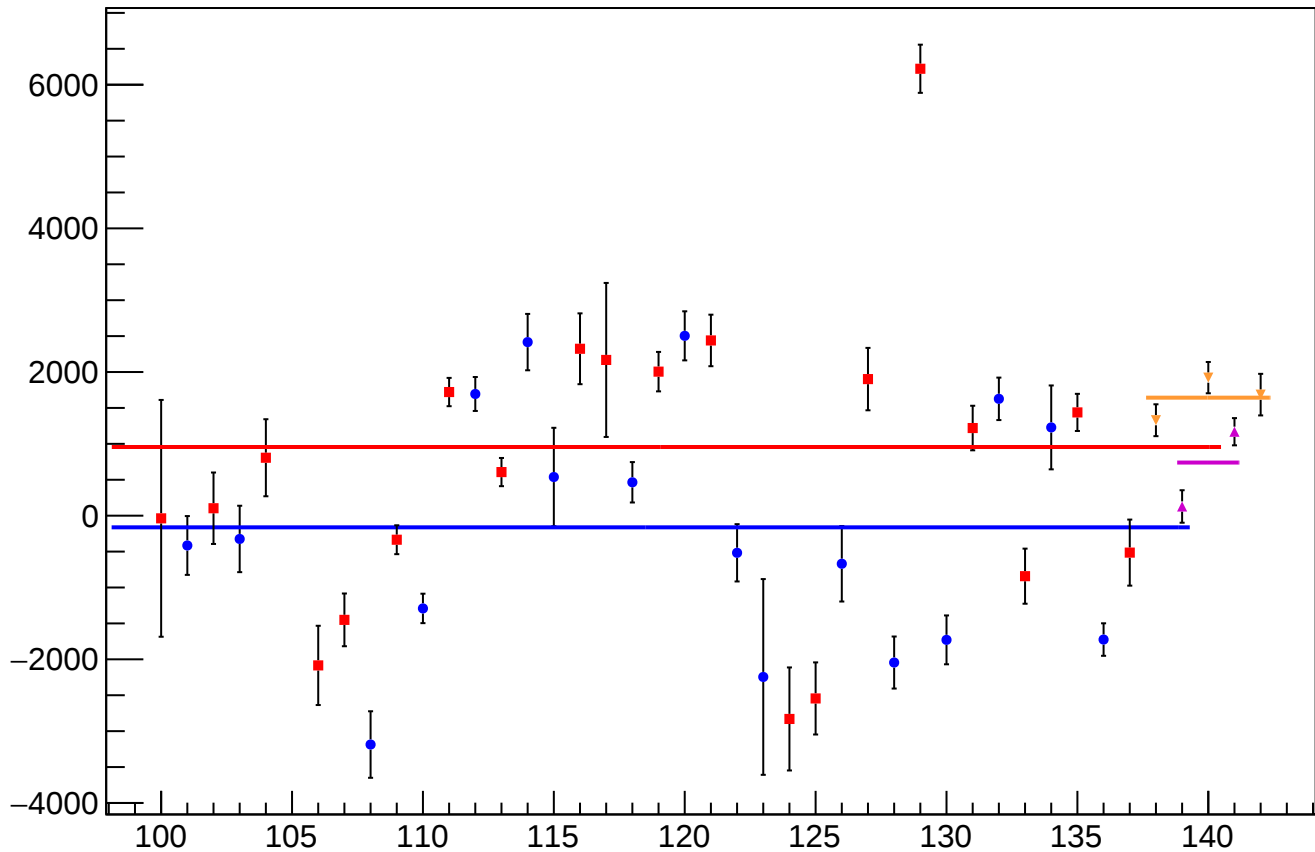
Right Out: 518.306+/-0.172 χ^2/NDF : 3631833.9/19

Left In: 539.776+/-0.429 χ^2/NDF :259247.9/1

465.799+/-0.143 χ^2/NDF : 3871479.6/19

521.274+/-0.160 χ^2/NDF : 3893238.2/21

asym_bpm0l04WS_mean vs Slug



Right In: -162.333+/-82.350 χ^2/NDF : 387.6/16

Left Out: 1643.020+/-136.951 χ^2/NDF : 3.7/2

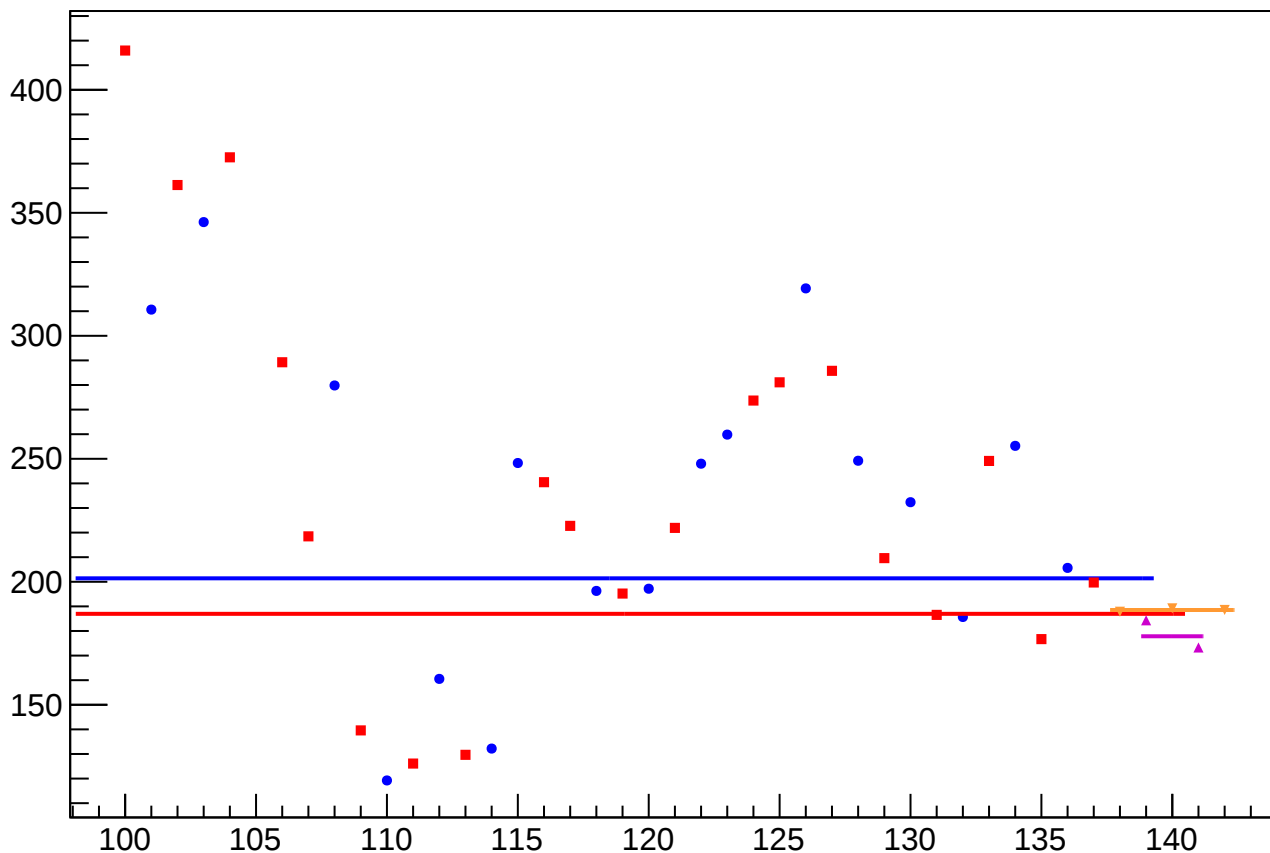
Right Out: 956.044+/-74.949 χ^2/NDF : 541.1/19

Left In: 739.555+/-145.257 χ^2/NDF : 12.4/1

317.089+/-70.574 χ^2/NDF : 518.8/19

910.526+/-66.606 χ^2/NDF : 555.3/21

asym_bpm0l04WS_rms vs Slug



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 188.531 $\pm$ 0.097 χ^2 /NDF:39.2/2

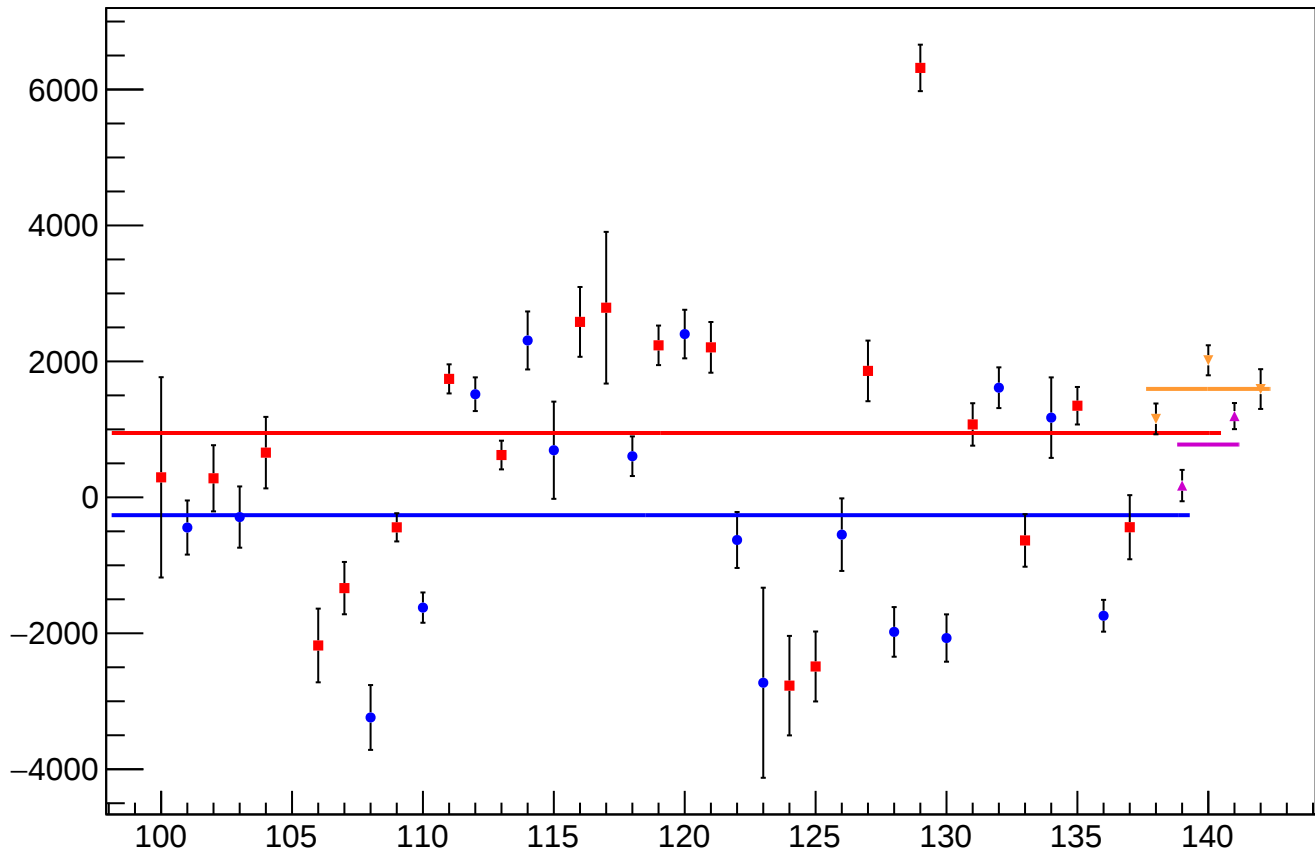
Right Out: 186.973 $\pm$ 0.053 χ^2 /NDF: 1395397.8/19

Left In: 177.851 $\pm$ 0.103 χ^2 /NDF:2805.9/1

197.989 $\pm$ 0.050 χ^2 /NDF: 1069049.6/19

185.055 $\pm$ 0.047 χ^2 /NDF: 1404433.3/21

asym_bpm0l05WS_mean vs Slug



Right In: -262.324 ± 85.433 χ^2/NDF : 368.7/16

Left Out: 1595.273 ± 139.141 χ^2/NDF : 7.4/2

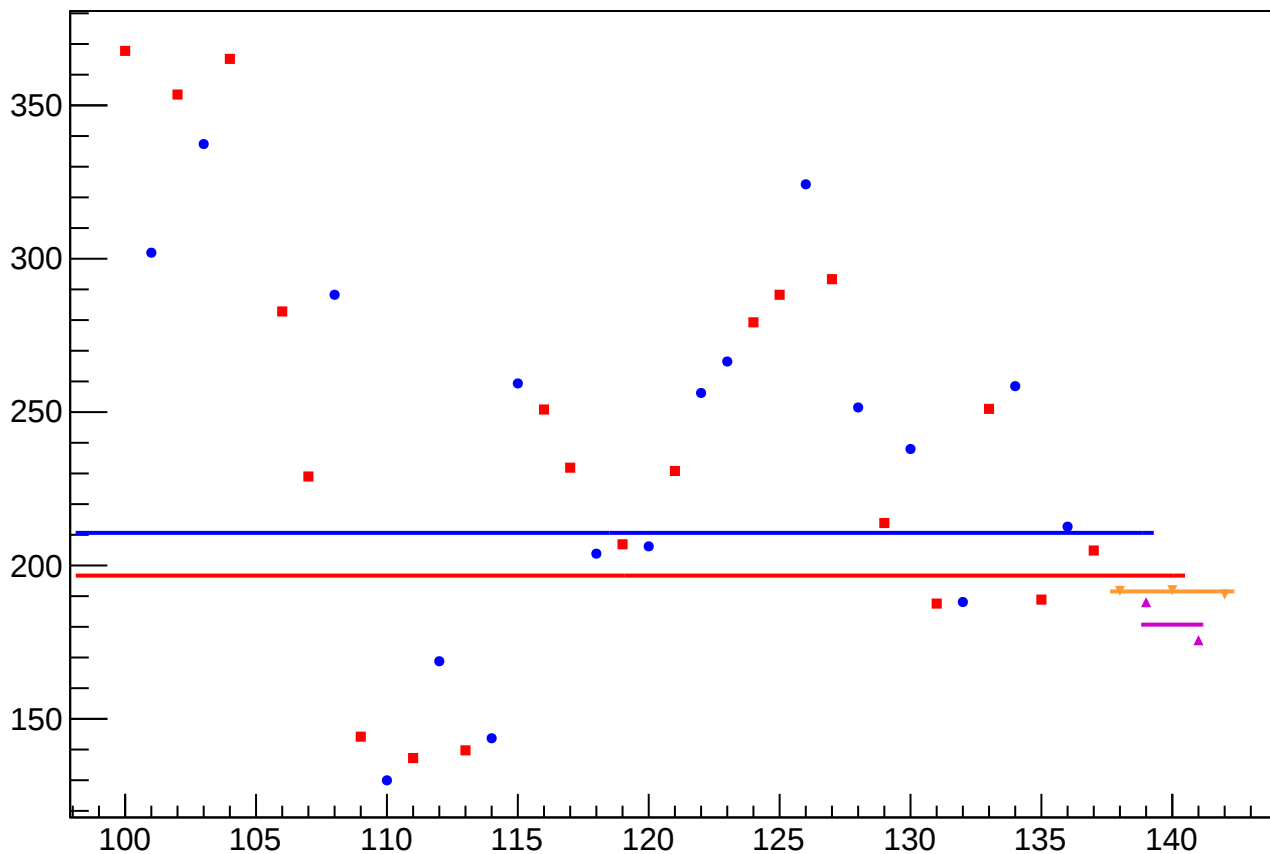
Right Out: 946.785 ± 78.241 χ^2/NDF : 524.6/19

Left In: 776.840 ± 147.571 χ^2/NDF : 11.6/1

246.260 ± 72.805 χ^2/NDF : 505.6/19

909.495 ± 69.126 χ^2/NDF : 537.3/21

asym_bpm0l05WS_rms vs Slug



Right In: 210.636 ± 0.060 χ^2/NDF : 875776.4/16

Left Out: 191.539 ± 0.098 χ^2/NDF : 31.2/2

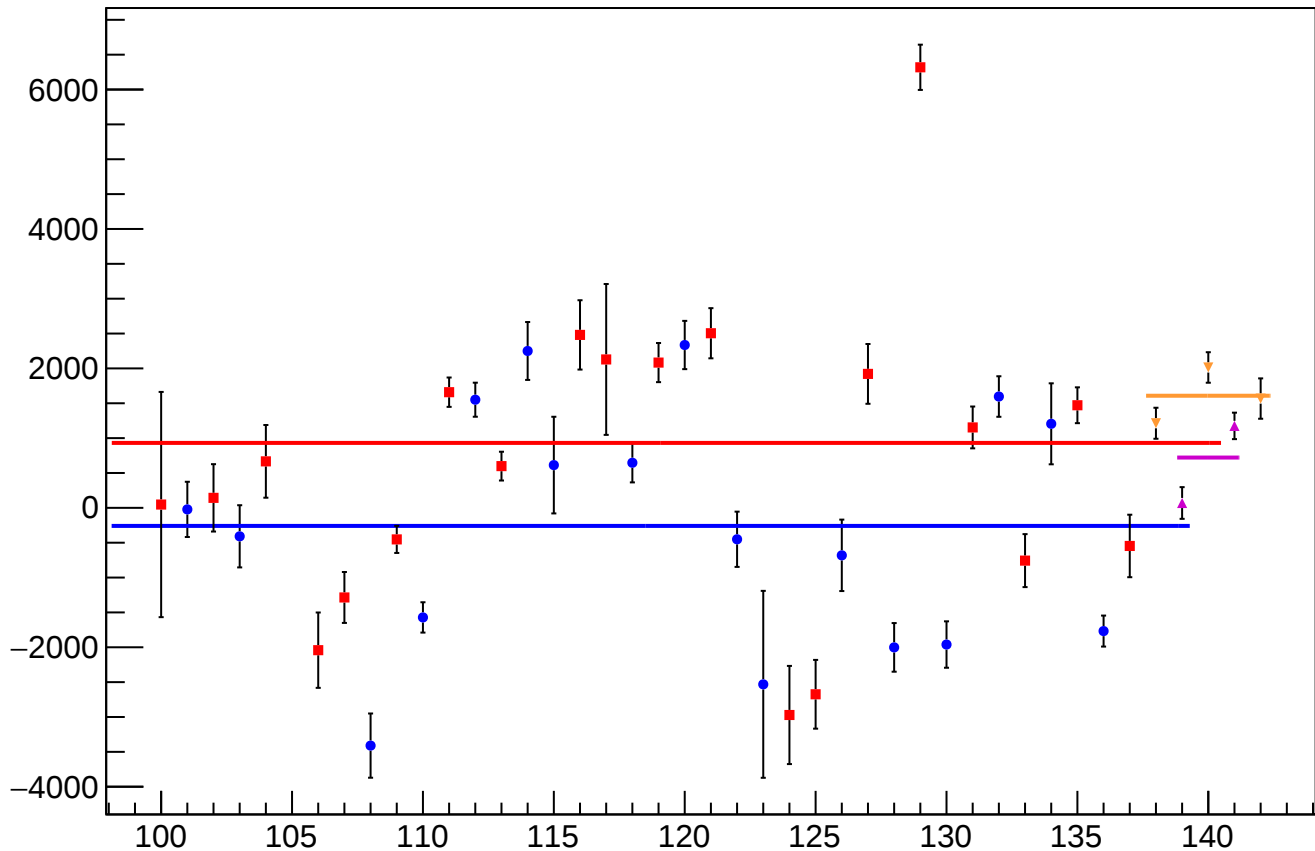
Right Out: 196.702 ± 0.055 χ^2/NDF : 1207089.6/19

Left In: 180.721 ± 0.104 χ^2/NDF : 3417.4/1

205.407 ± 0.051 χ^2/NDF : 903168.0/19

193.196 ± 0.049 χ^2/NDF : 1228814.9/21

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 χ^2/NDF : 391.2/16

Left Out: 1608.016 ± 137.323 χ^2/NDF : 6.6/2

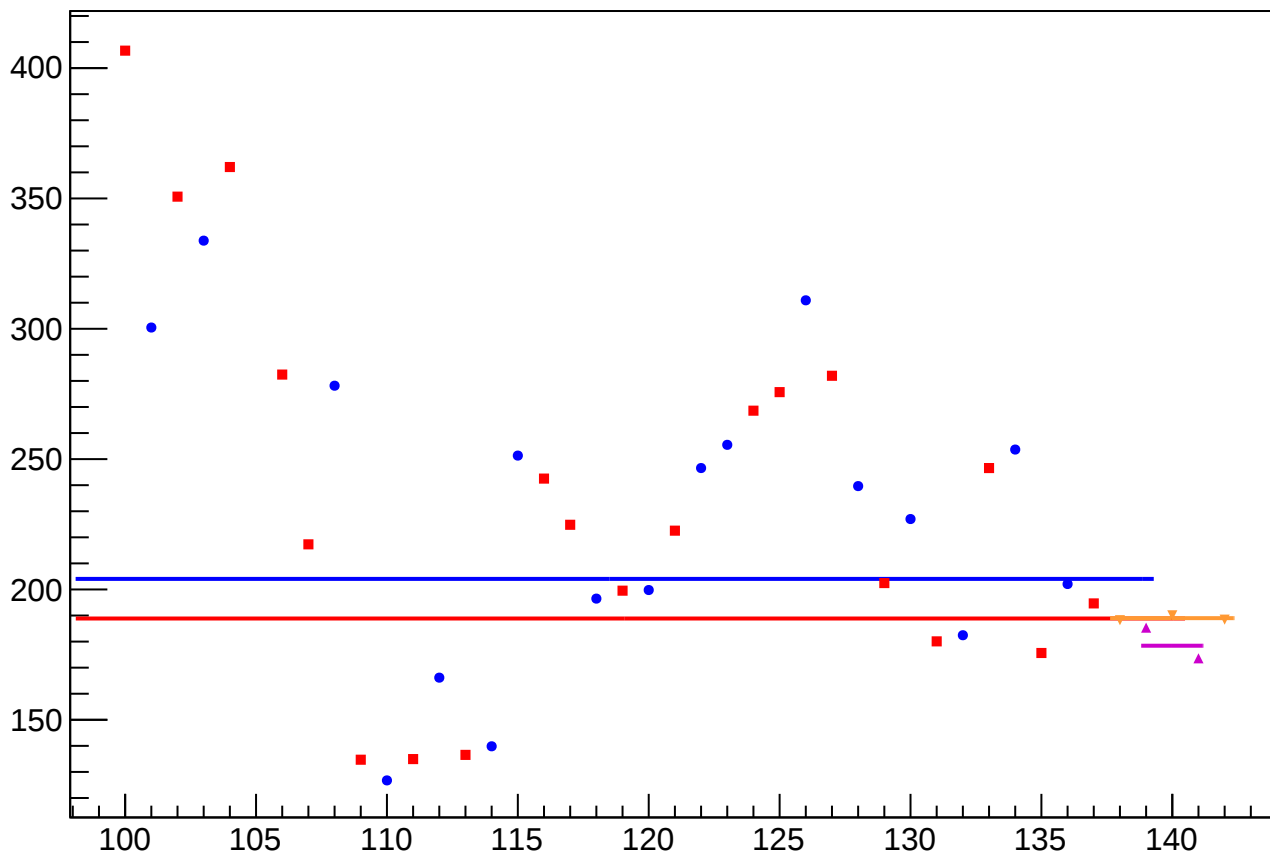
Right Out: 931.363 ± 75.320 χ^2/NDF : 583.1/19

Left In: 721.276 ± 145.717 χ^2/NDF : 13.9/1

238.706 ± 70.909 χ^2/NDF : 533.4/19

887.067 ± 66.910 χ^2/NDF : 598.7/21

asym_bpm0l06WS_rms vs Slug



Right In: 204.051+/-0.059 χ^2/NDF : 868423.0/16

Left Out: 188.991+/-0.097 χ^2/NDF :81.8/2

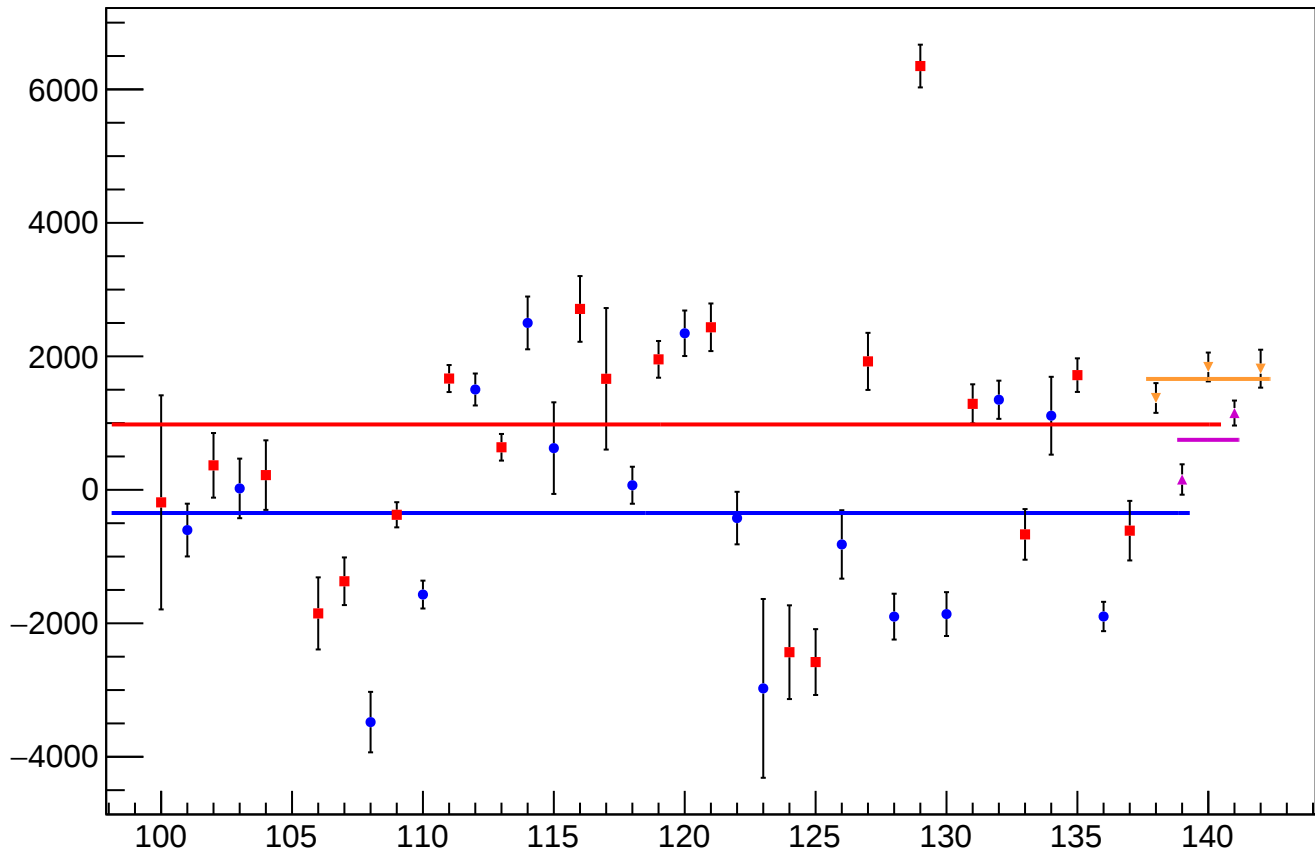
Right Out: 188.856+/-0.053 χ^2/NDF : 1253327.1/19

Left In: 178.416+/-0.103 χ^2/NDF :3152.2/1

200.036+/-0.050 χ^2/NDF : 886145.5/19

186.655+/-0.047 χ^2/NDF : 1264579.9/21

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 ± 81.318 χ^2/NDF : 399.1/16

Left Out: 1661.442 ± 136.171 χ^2/NDF : 2.6/2

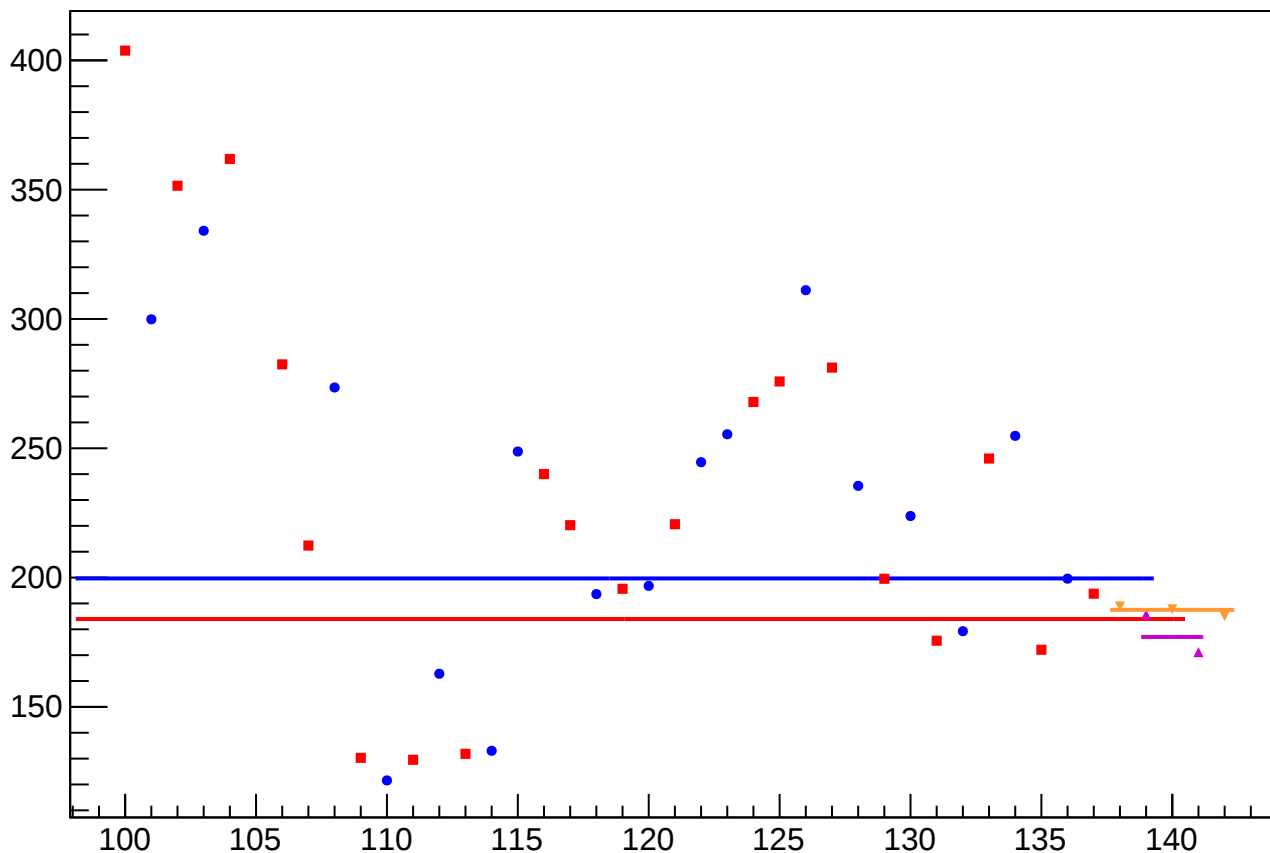
Right Out: 979.606 ± 73.710 χ^2/NDF : 586.1/19

Left In: 749.199 ± 144.622 χ^2/NDF : 11.4/1

180.787 ± 69.816 χ^2/NDF : 562.1/19

932.095 ± 65.672 χ^2/NDF : 599.5/21

asym_bpm0l07WS_rms vs Slug



Right In: 199.669+/-0.058 χ^2/NDF : 943155.1/16

Left Out: 187.528+/-0.096 χ^2/NDF :214.4/2

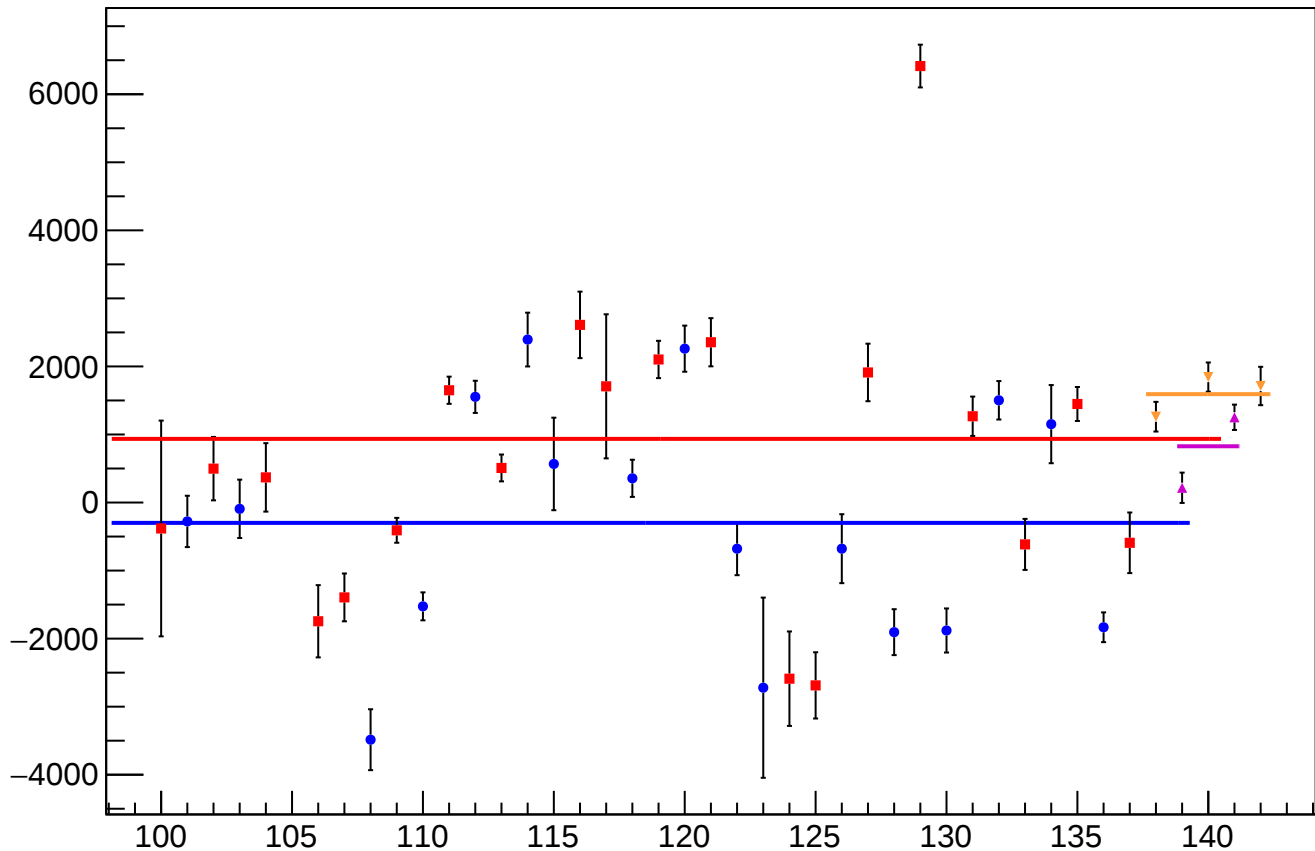
Right Out: 183.984+/-0.052 χ^2/NDF : 1351978.1/19

Left In: 177.035+/-0.102 χ^2/NDF :4864.1/1

196.478+/-0.049 χ^2/NDF : 955089.2/19

182.551+/-0.046 χ^2/NDF : 1360507.8/21

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 1592.655 ± 134.419 χ^2/NDF : 3.9/2

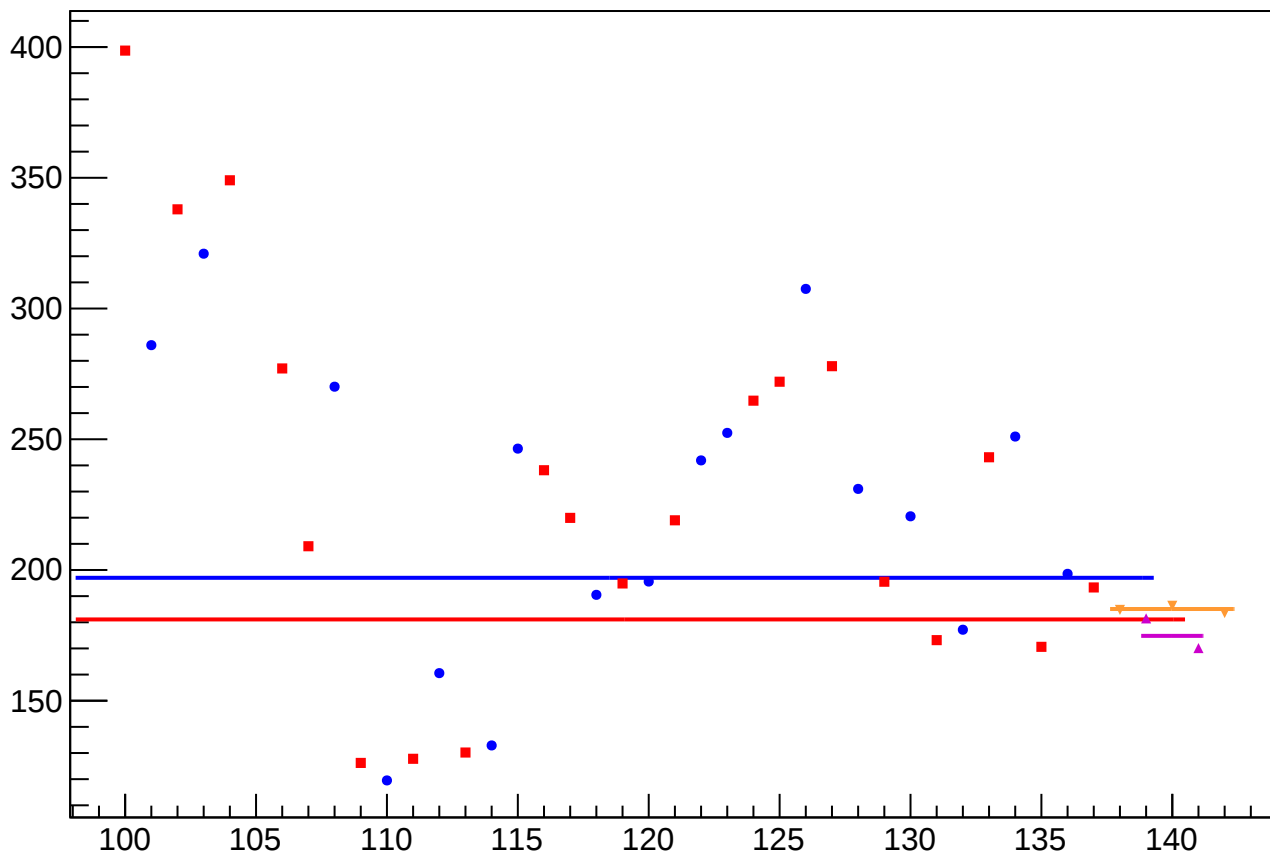
Right Out: 935.490 ± 72.580 χ^2/NDF : 615.3/19

Left In: 826.728 ± 142.810 χ^2/NDF : 12.7/1

197.289 ± 68.849 χ^2/NDF : 556.5/19

913.164 ± 64.703 χ^2/NDF : 628.5/21

asym_bpm0l08WS_rms vs Slug



Right In: 197.013 ± 0.057 χ^2/NDF : 911923.5/16

Left Out: 185.080 ± 0.095 χ^2/NDF : 131.8/2

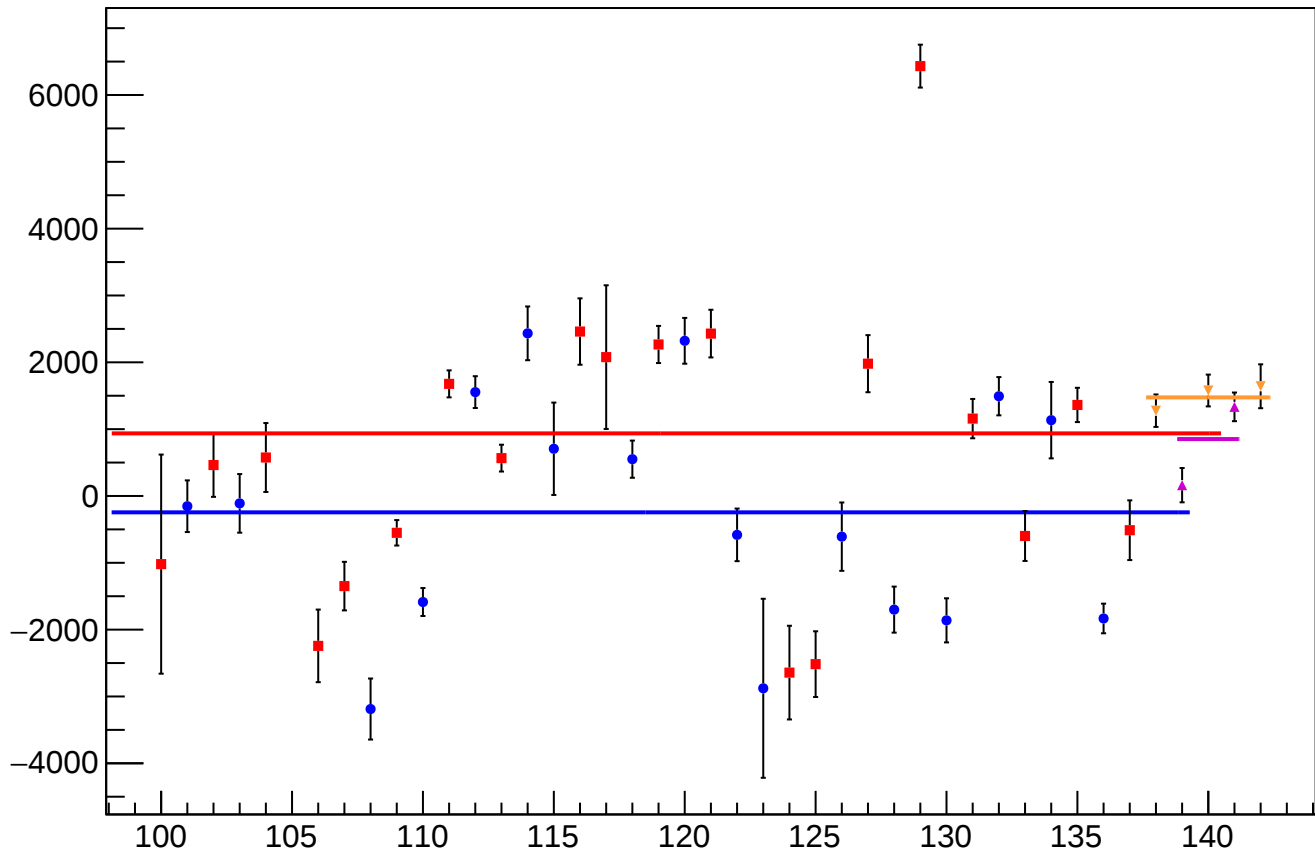
Right Out: 181.089 ± 0.051 χ^2/NDF : 1348390.5/19

Left In: 174.805 ± 0.101 χ^2/NDF : 3063.1/1

193.883 ± 0.049 χ^2/NDF : 923681.9/19

179.799 ± 0.046 χ^2/NDF : 1354531.6/21

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 ± 81.395 χ^2/NDF : 391.4/16

Left Out: 1474.864 ± 150.912 χ^2/NDF : 1.1/2

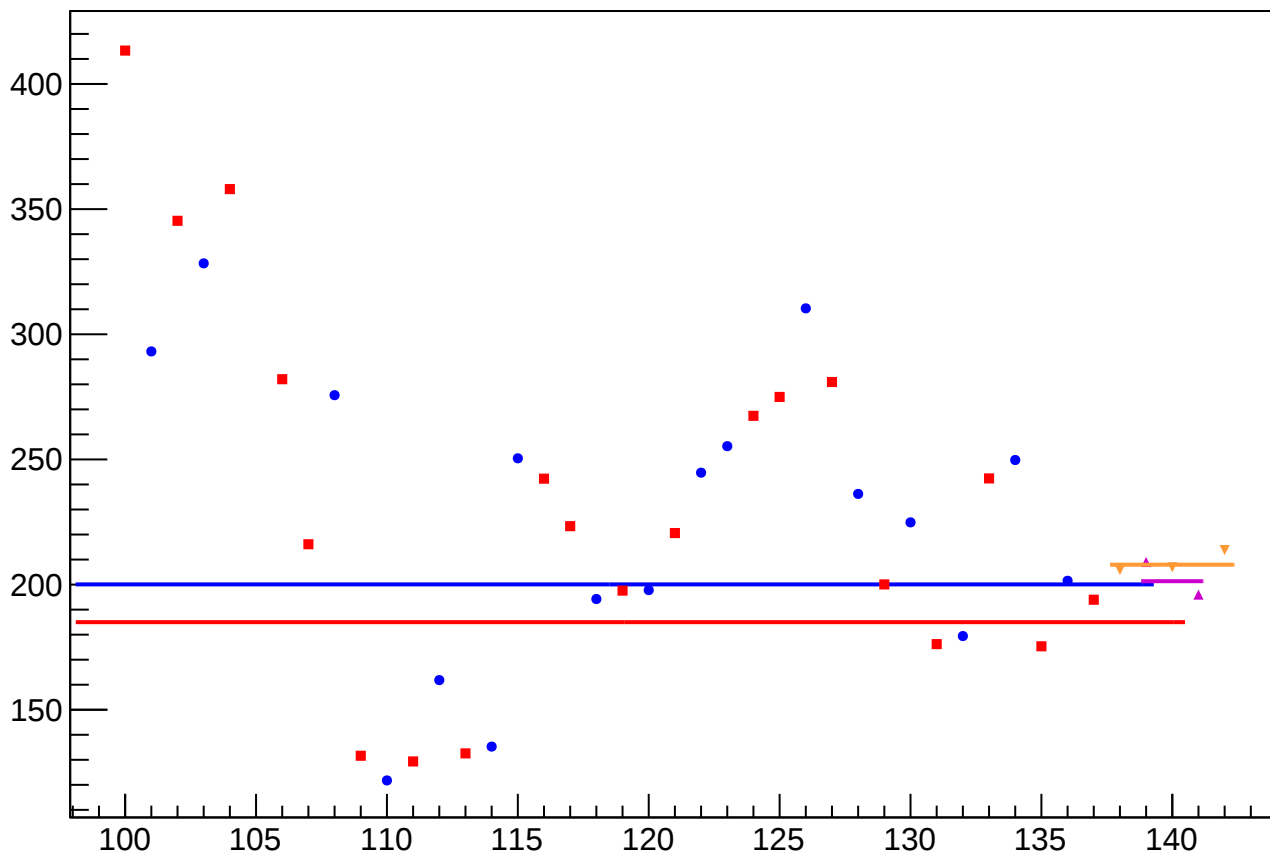
Right Out: 936.709 ± 74.030 χ^2/NDF : 610.9/19

Left In: 851.712 ± 164.531 χ^2/NDF : 12.3/1

142.626 ± 71.639 χ^2/NDF : 493.1/19

922.399 ± 67.511 χ^2/NDF : 623.4/21

asym_bpm0l09WS_rms vs Slug



Right In: 200.078 ± 0.058 χ^2/NDF : 918309.2/16

Left Out: 207.950 ± 0.107 χ^2/NDF : 823.6/2

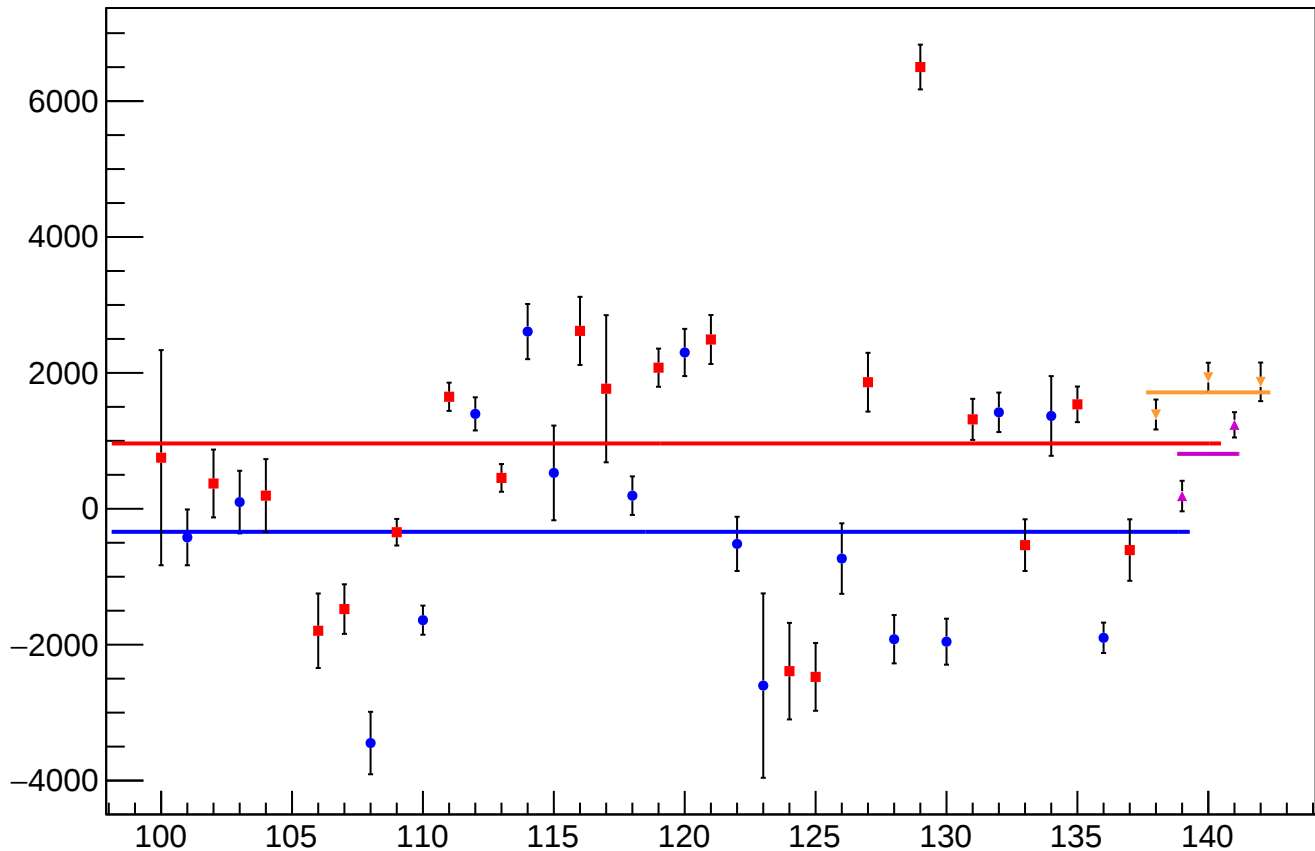
Right Out: 184.990 ± 0.052 χ^2/NDF : 1320825.4/19

Left In: 201.357 ± 0.116 χ^2/NDF : 3035.4/1

201.852 ± 0.051 χ^2/NDF : 923348.1/19

187.746 ± 0.048 χ^2/NDF : 1340320.1/21

asym_bpm0l10WS_mean vs Slug



Right In: -338.966+/-83.123 χ^2/NDF : 389.5/16

Left Out: 1713.181+/-135.265 χ^2/NDF : 3.5/2

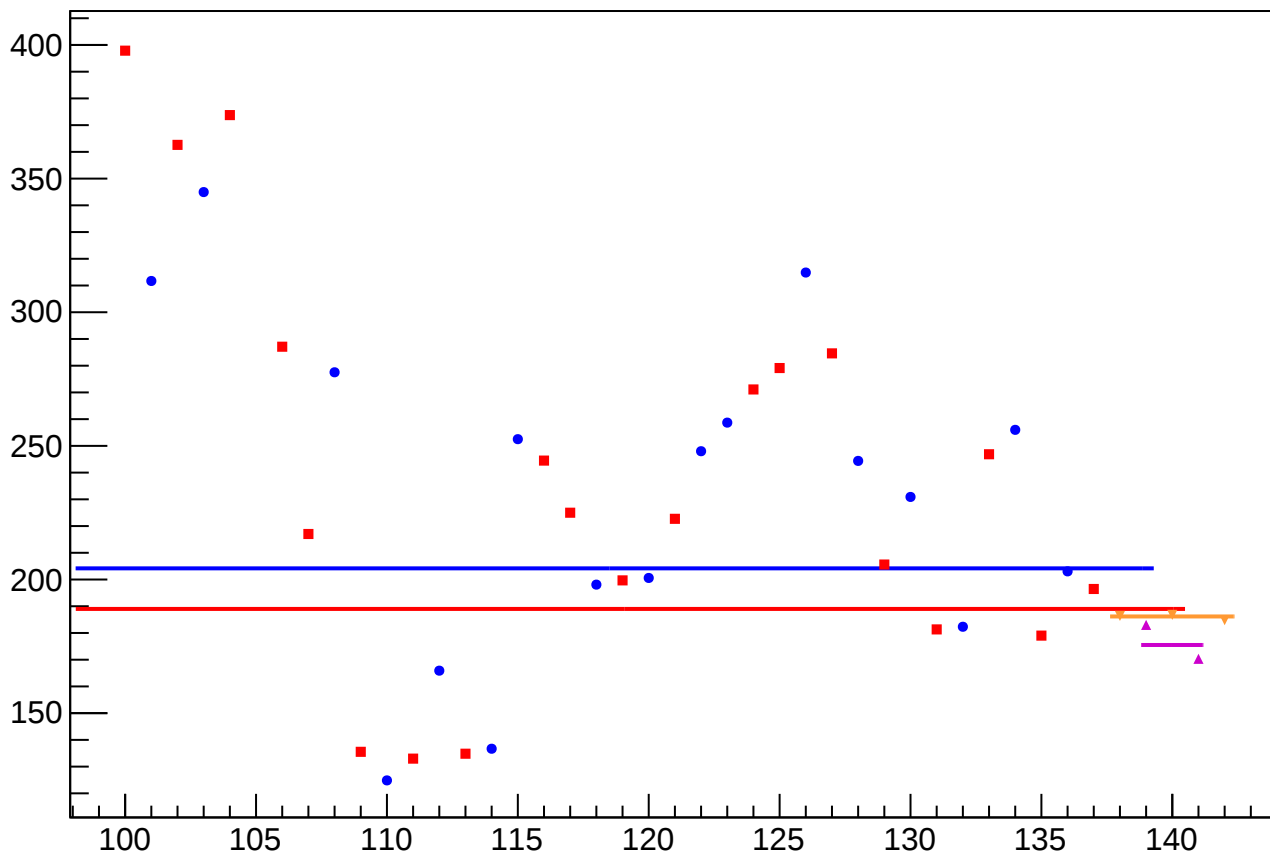
Right Out: 961.556+/-75.564 χ^2/NDF : 570.9/19

Left In: 808.336+/-143.393 χ^2/NDF : 12.9/1

223.563+/-70.819 χ^2/NDF : 560.1/19

928.254+/-66.850 χ^2/NDF : 584.7/21

asym_bpm0l10WS_rms vs Slug



Right In: 204.175+/-0.059 χ^2/NDF : 947438.5/16

Left Out: 186.179+/-0.096 χ^2/NDF : 65.8/2

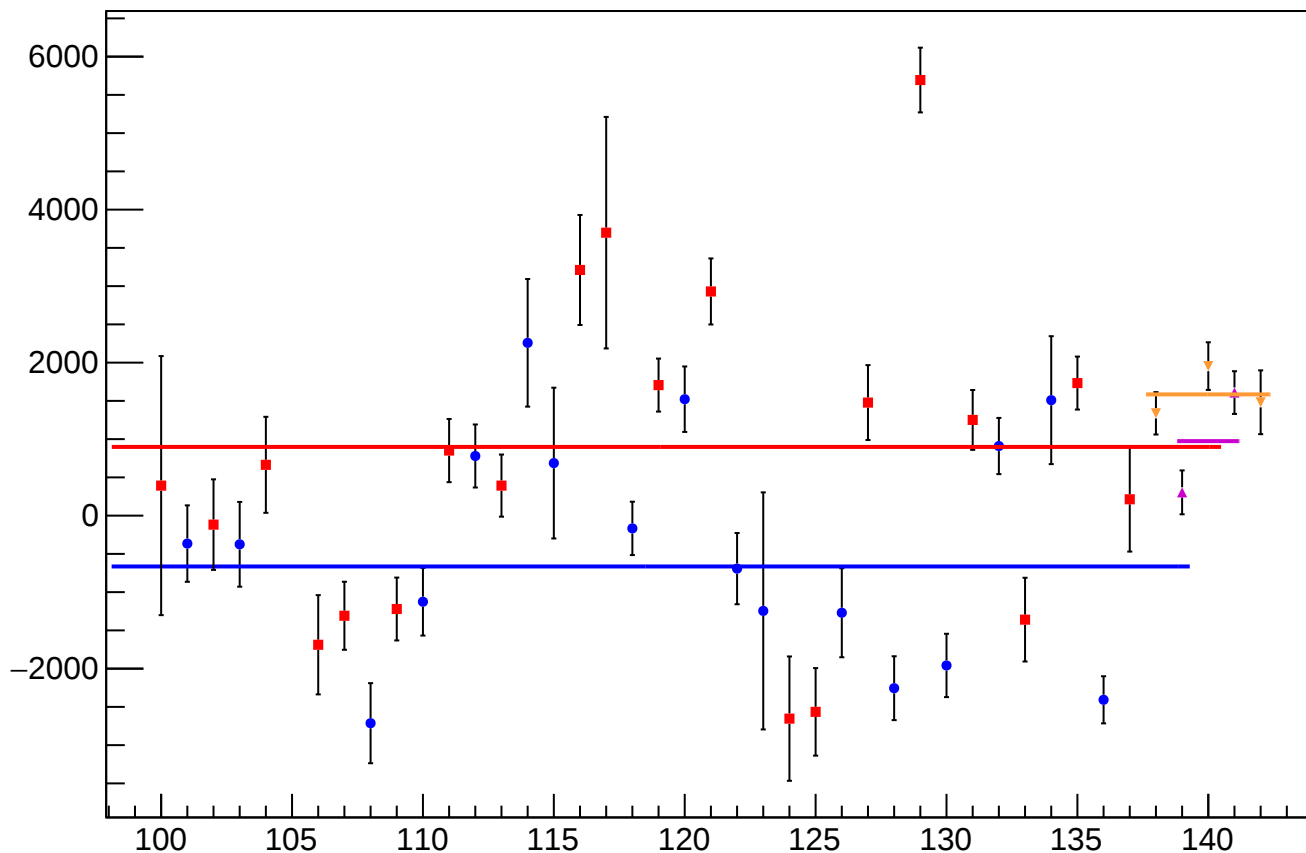
Right Out: 188.997+/-0.053 χ^2/NDF : 1317112.1/19

Left In: 175.507+/-0.101 χ^2/NDF : 3779.9/1

199.242+/-0.050 χ^2/NDF : 973202.6/19

186.065+/-0.047 χ^2/NDF : 1334746.9/21

asym_bpm0r03WS_mean vs Slug



Right In: -664.383+/-113.949 χ^2/NDF : 154.3/16

Left Out: 1584.748+/-185.388 χ^2/NDF : 2.3/2

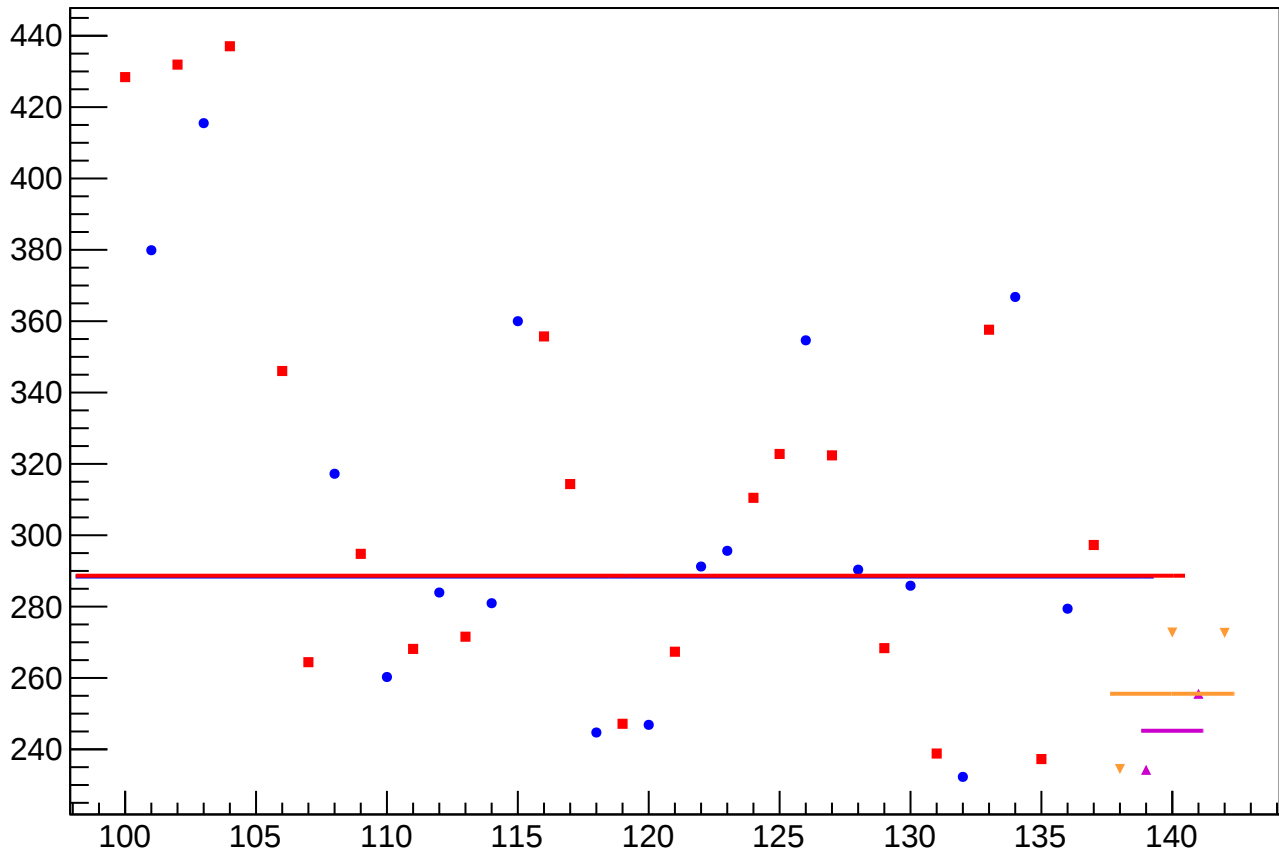
Right Out: 898.290+/-110.578 χ^2/NDF : 323.5/19

Left In: 974.053+/-200.032 χ^2/NDF : 10.6/1

-47.668+/-97.077 χ^2/NDF : 263.4/19

916.023+/-96.776 χ^2/NDF : 334.2/21

asym_bpm0r03WS_rms vs Slug



Right In: 288.428 $\pm$ 0.081 χ^2/NDF : 339820.0/16

Left Out: 255.577 $\pm$ 0.131 χ^2/NDF : 21018.4/2

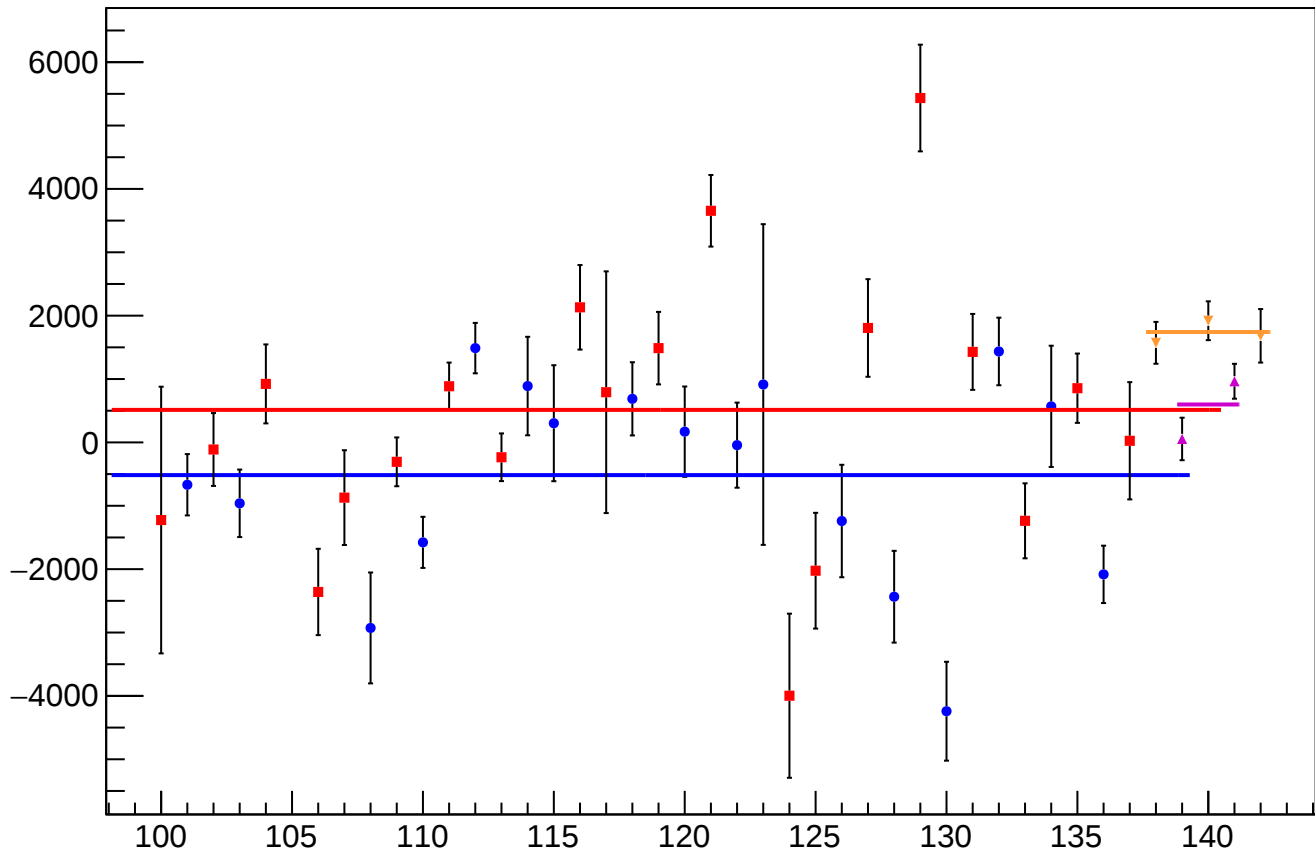
Right Out: 288.660 $\pm$ 0.078 χ^2/NDF : 455989.7/19

Left In: 245.203 $\pm$ 0.141 χ^2/NDF : 5671.4/1

279.420 $\pm$ 0.069 χ^2/NDF : 406419.9/19

278.488 $\pm$ 0.068 χ^2/NDF : 533963.1/21

asym_bpm0r05WS_mean vs Slug



Right In: -515.894 ± 147.326 $\chi^2/\text{NDF}: 108.0/16$

Left Out: 1741.664 ± 198.268 $\chi^2/\text{NDF}: 0.6/2$

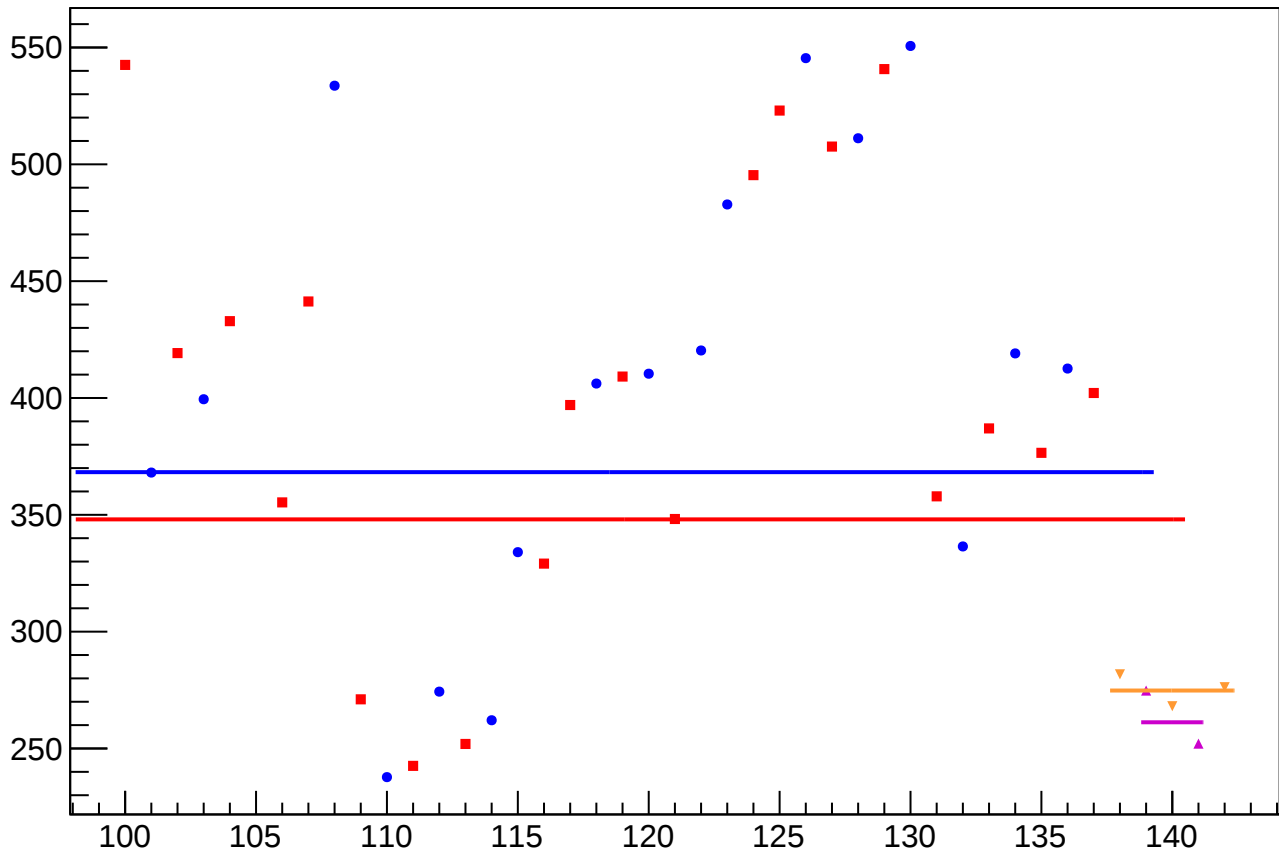
Right Out: 513.264 ± 135.456 $\chi^2/\text{NDF}: 141.3/19$

Left In: 598.489 ± 212.753 $\chi^2/\text{NDF}: 4.4/1$

287.190 ± 118.253 $\chi^2/\text{NDF}: 192.2/19$

537.846 ± 114.262 $\chi^2/\text{NDF}: 145.8/21$

asym_bpm0r05WS_rms vs Slug



Right In: 368.264+/-0.104 χ^2/NDF : 770116.6/16

Left Out: 274.804+/-0.140 χ^2/NDF :1867.6/2

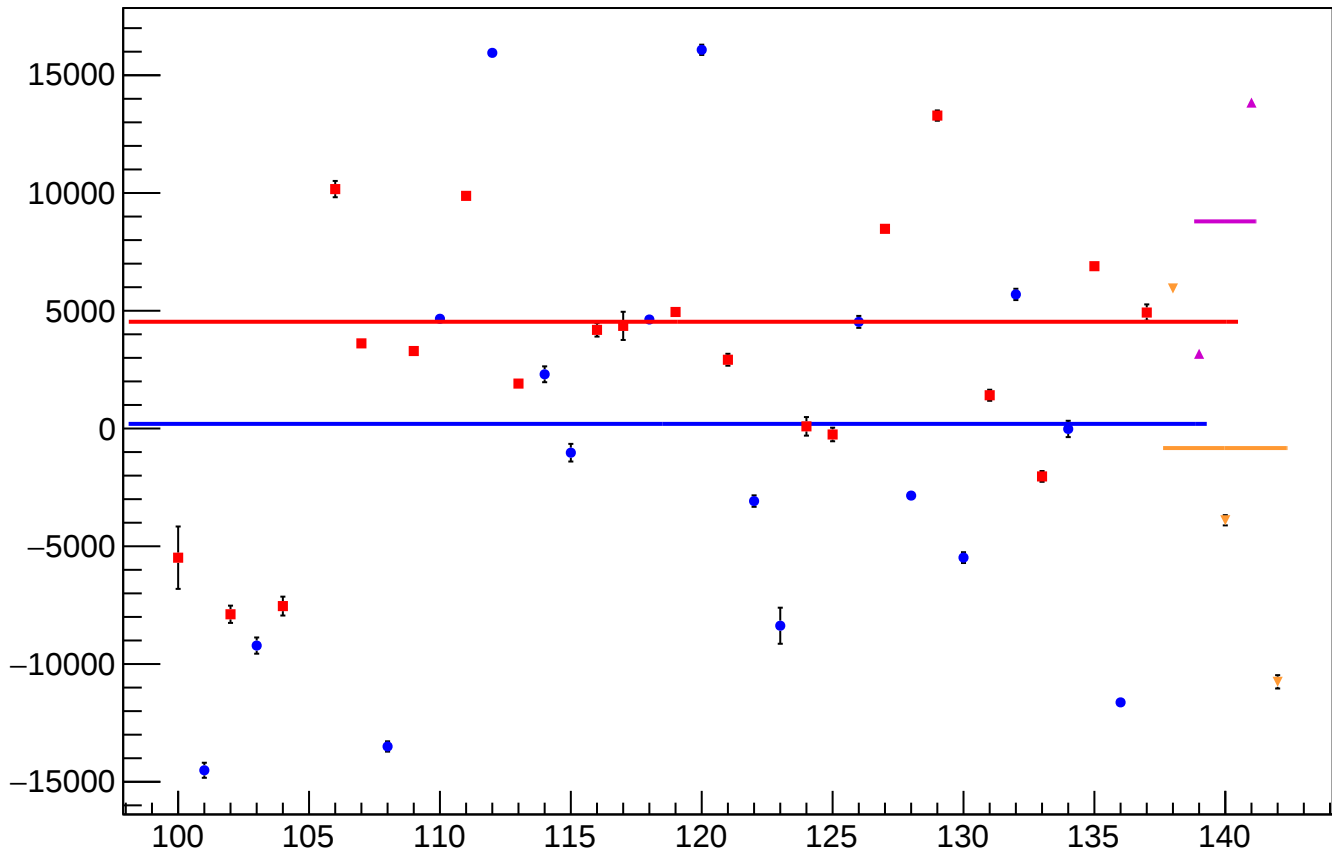
Right Out: 348.050+/-0.096 χ^2/NDF : 823186.4/19

Left In: 261.214+/-0.150 χ^2/NDF :5479.5/1

335.017+/-0.084 χ^2/NDF : 1058299.7/19

323.003+/-0.081 χ^2/NDF : 1065744.8/21

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 ± 54.799 χ^2/NDF : 30658.3/16

Left Out: -830.086 ± 127.626 χ^2/NDF : 2702.6/2

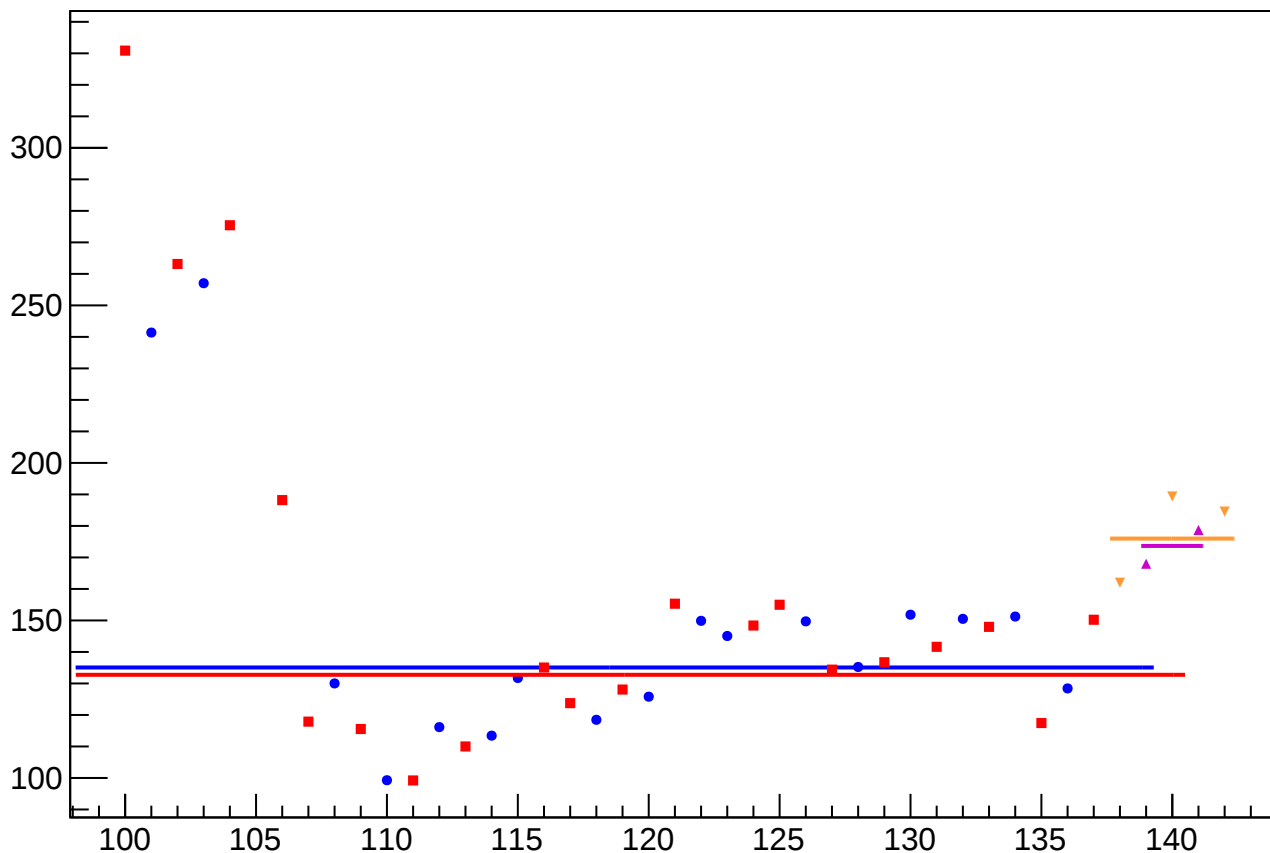
Right Out: 4532.856 ± 52.261 χ^2/NDF : 7477.3/19

Left In: 8794.609 ± 141.893 χ^2/NDF : 1408.4/1

37.130 ± 50.353 χ^2/NDF : 33415.5/19

5041.924 ± 49.040 χ^2/NDF : 9680.1/21

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 ± 0.039 χ^2/NDF : 658703.5/16

Left Out: 175.984 ± 0.090 χ^2/NDF : 20286.1/2

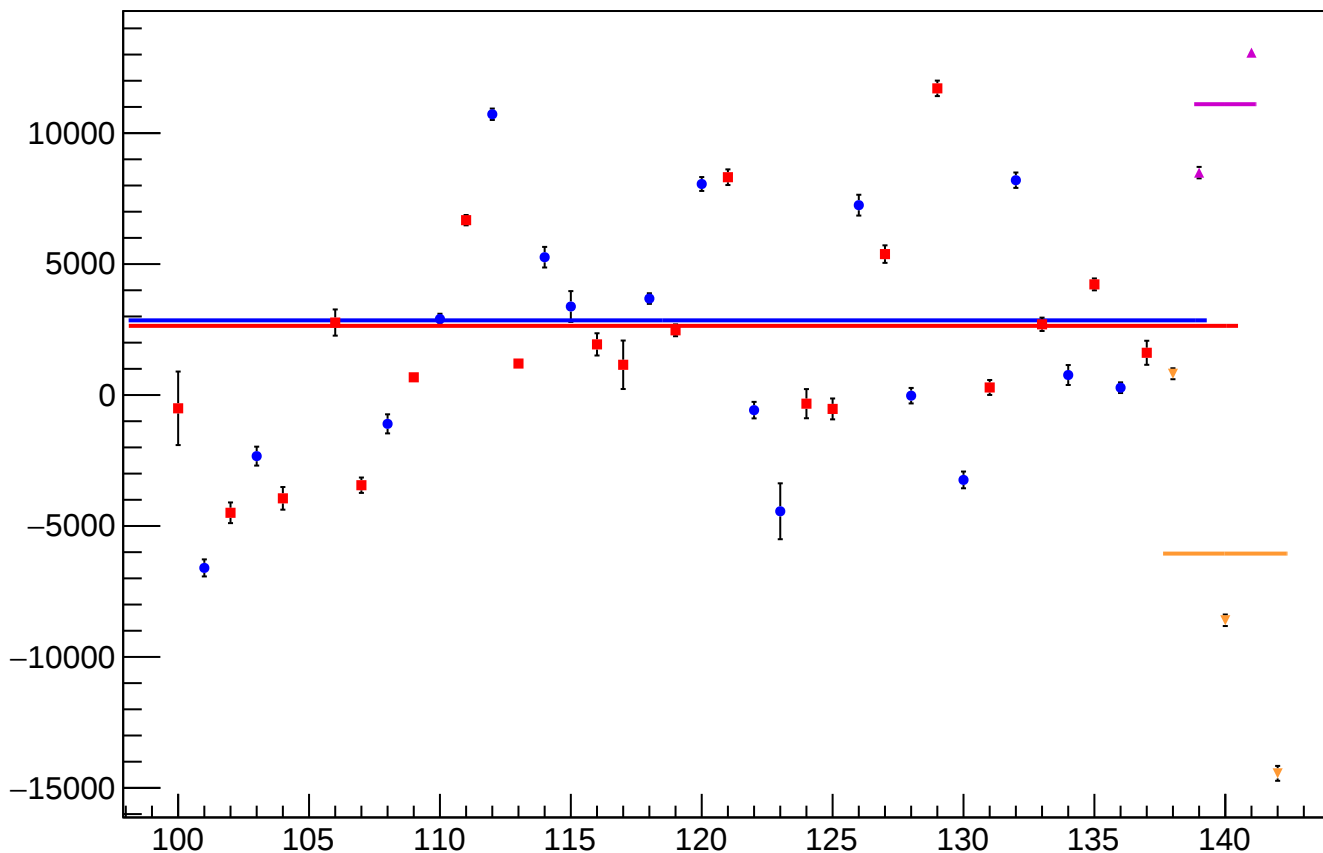
Right Out: 132.747 ± 0.037 χ^2/NDF : 831647.2/19

Left In: 173.651 ± 0.100 χ^2/NDF : 2840.2/1

141.440 ± 0.036 χ^2/NDF : 852519.9/19

137.633 ± 0.035 χ^2/NDF : 980836.0/21

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437 $\pm$ 70.753 χ^2 /NDF: 4178.1/16

Left Out: -6054.076 $\pm$ 133.822 χ^2 /NDF:2078.8/2

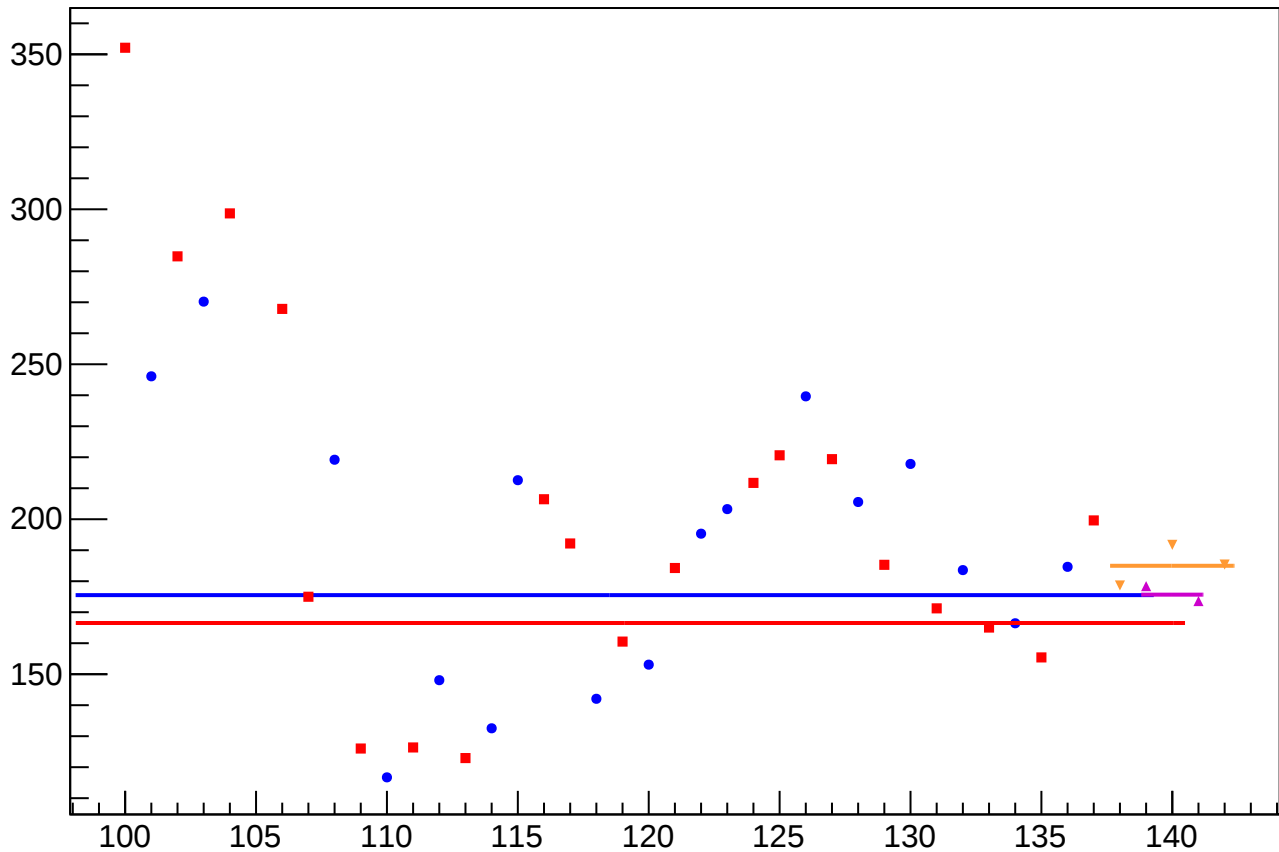
Right Out: 2641.642 $\pm$ 65.566 χ^2 /NDF: 3178.3/19

Left In: 11104.825 $\pm$ 143.276 χ^2 /NDF:250.6/1

905.875 $\pm$ 62.549 χ^2 /NDF: 9718.0/19

4107.075 $\pm$ 59.619 χ^2 /NDF: 6313.9/21

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514+/-0.050 χ^2/NDF : 689642.3/16

Left Out: 184.982+/-0.095 χ^2/NDF : 3729.2/2

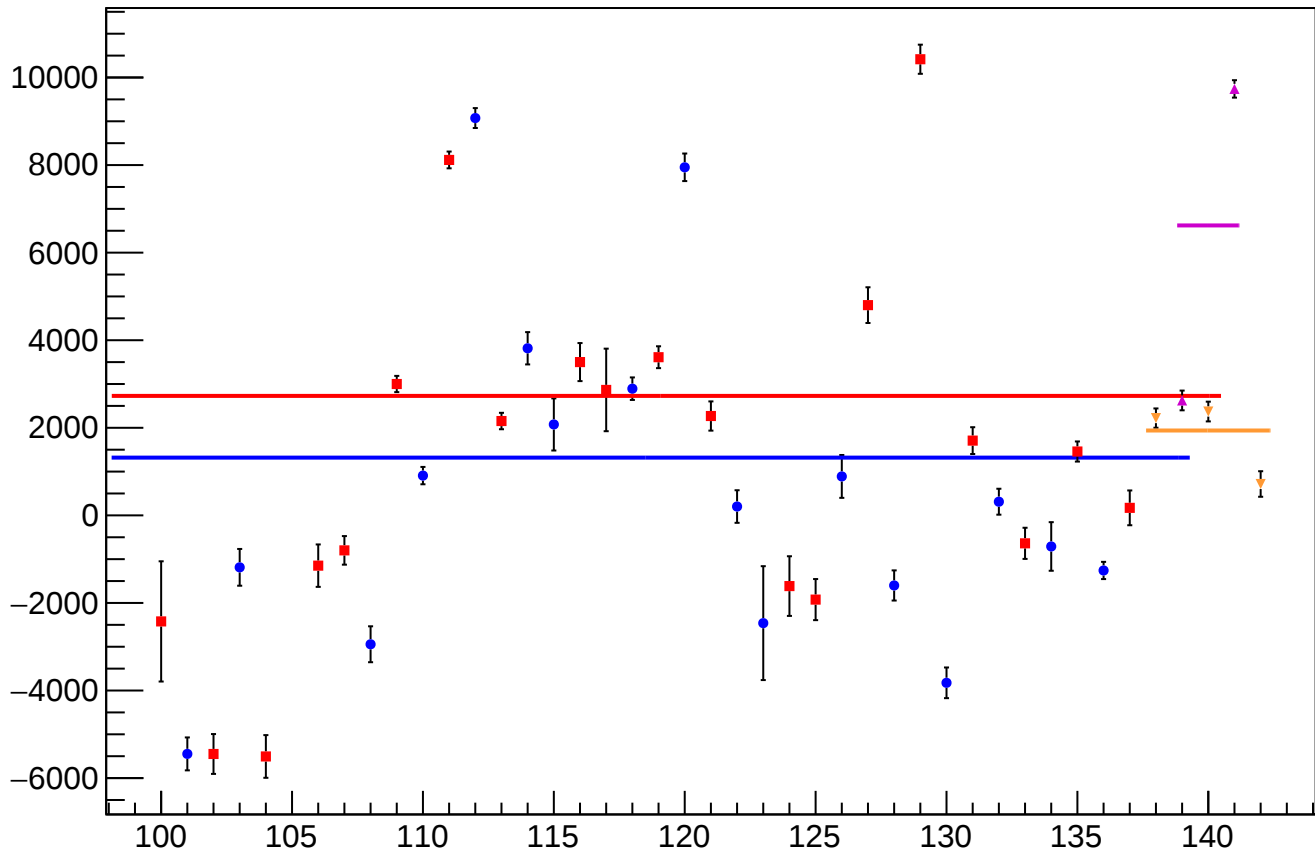
Right Out: 166.522+/-0.046 χ^2/NDF : 931079.9/19

Left In: 175.667+/-0.101 χ^2/NDF : 552.7/1

177.583+/-0.044 χ^2/NDF : 701195.3/19

168.106+/-0.042 χ^2/NDF : 938368.6/21

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009 ± 77.146 χ^2/NDF : 2667.0/16

Left Out: 1938.246 ± 138.664 χ^2/NDF : 22.9/2

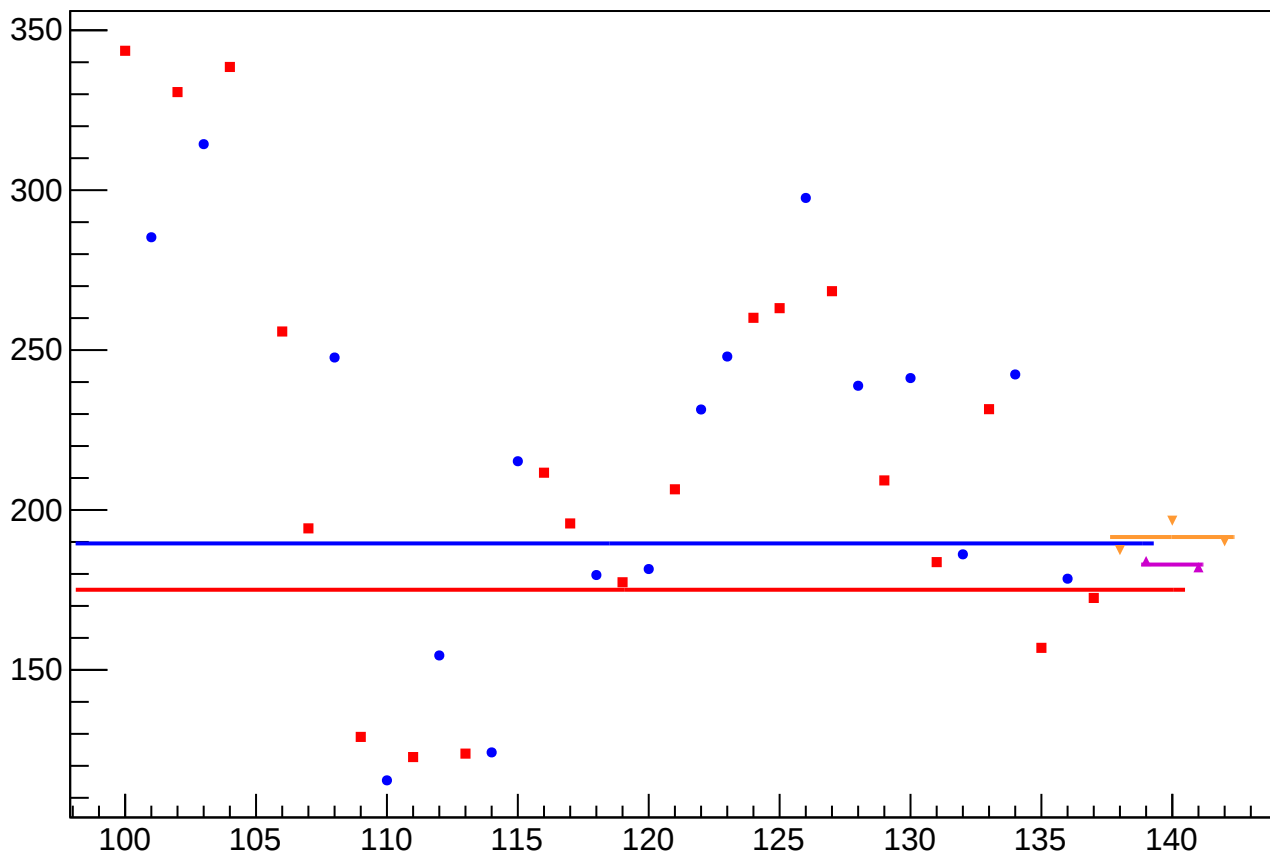
Right Out: 2728.550 ± 69.837 χ^2/NDF : 2495.9/19

Left In: 6621.469 ± 149.168 χ^2/NDF : 560.1/1

1465.375 ± 67.415 χ^2/NDF : 2705.1/19

3428.425 ± 63.248 χ^2/NDF : 3614.6/21

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 ± 0.055 χ^2/NDF : 980744.6/16

Left Out: 191.545 ± 0.098 χ^2/NDF : 1764.0/2

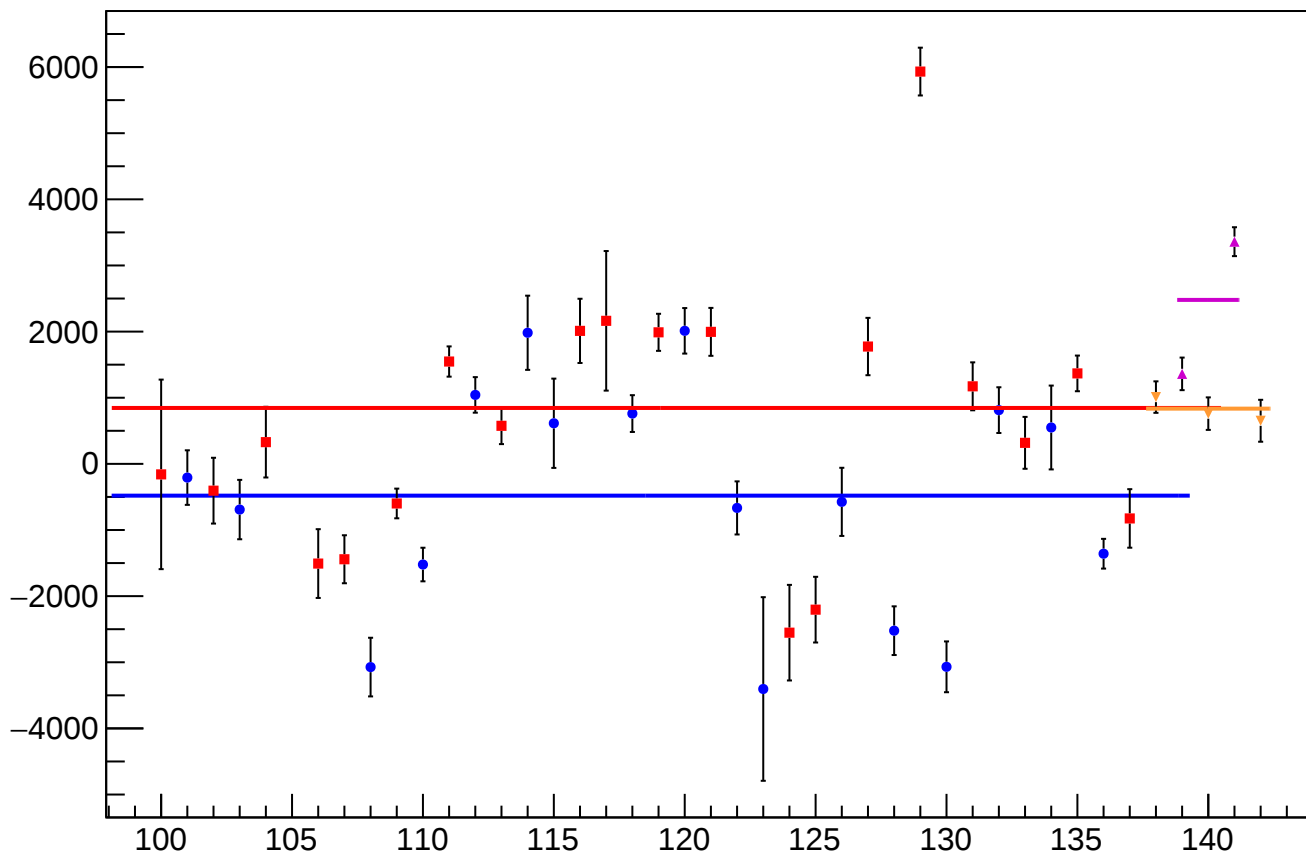
Right Out: 175.058 ± 0.049 χ^2/NDF : 1298079.7/19

Left In: 182.937 ± 0.105 χ^2/NDF : 85.5/1

190.017 ± 0.048 χ^2/NDF : 982826.4/19

176.475 ± 0.045 χ^2/NDF : 1302742.1/21

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 835.191 ± 150.486 χ^2/NDF : 1.0/2

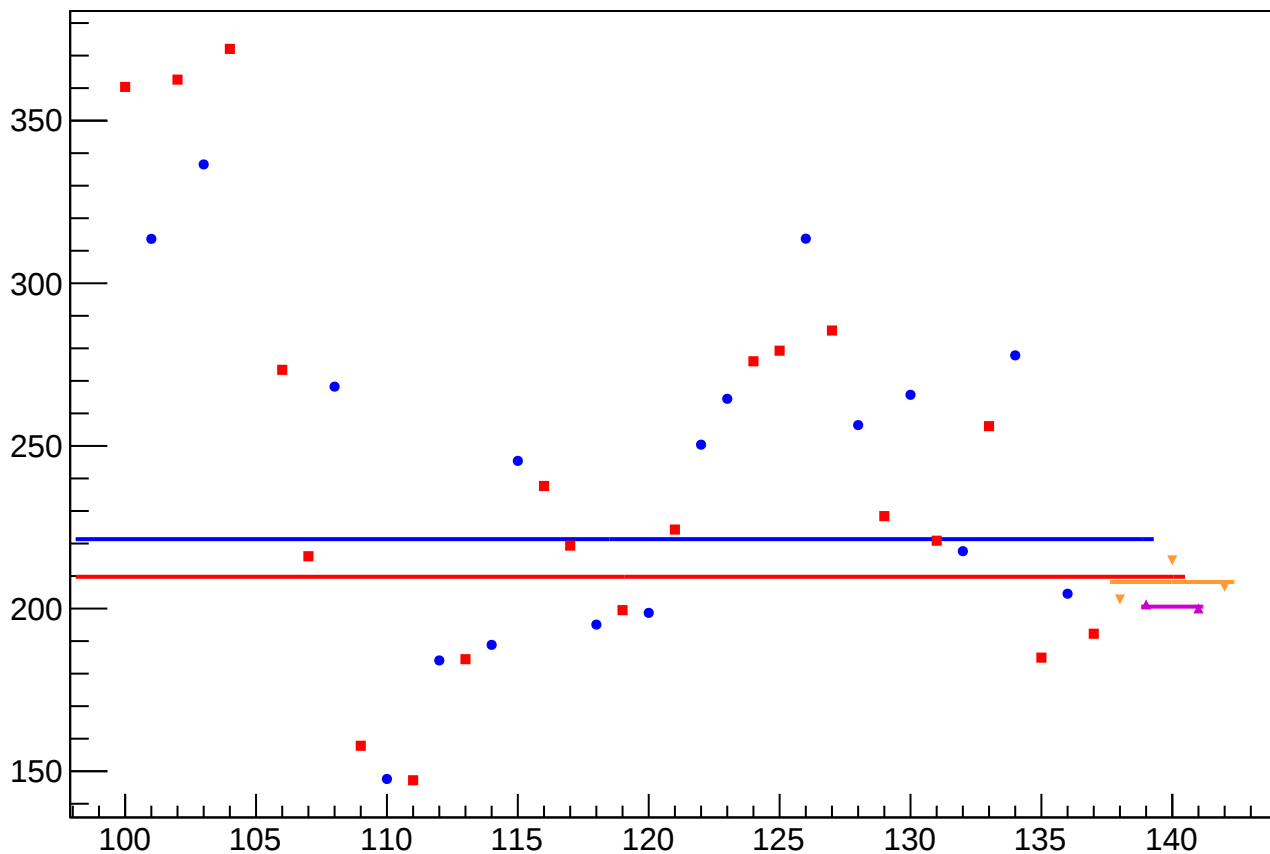
Right Out: 845.444 ± 81.995 χ^2/NDF : 436.9/19

Left In: 2479.281 ± 163.427 χ^2/NDF : 36.9/1

-141.659 ± 76.376 χ^2/NDF : 348.4/19

1174.010 ± 73.288 χ^2/NDF : 553.6/21

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 ± 0.063 χ^2/NDF : 645688.1/16

Left Out: 208.173 ± 0.106 χ^2/NDF : 2522.9/2

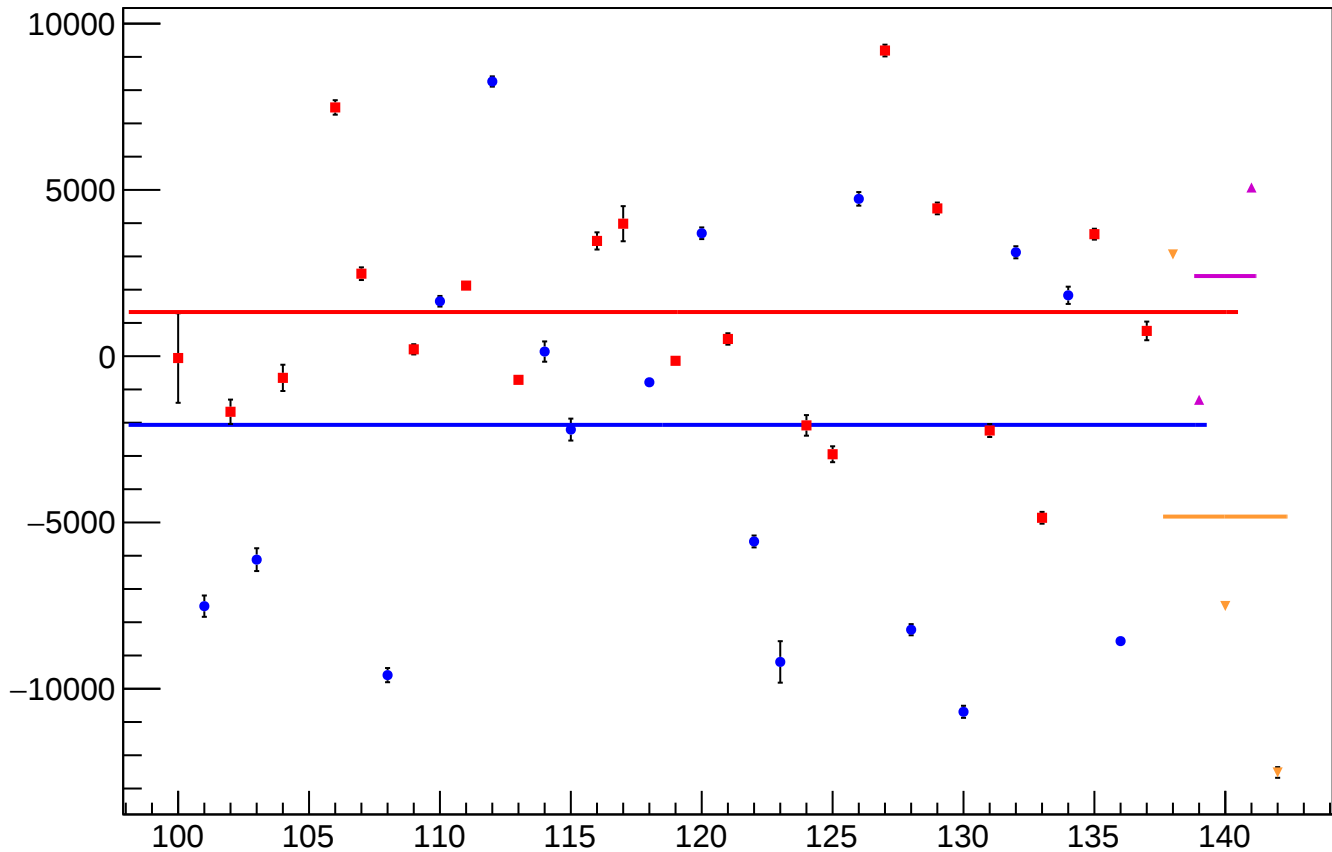
Right Out: 209.775 ± 0.058 χ^2/NDF : 884083.7/19

Left In: 200.599 ± 0.116 χ^2/NDF : 28.6/1

217.950 ± 0.054 χ^2/NDF : 659581.6/19

207.929 ± 0.052 χ^2/NDF : 889149.5/21

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 χ^2/NDF : 16533.3/16

Left Out: -4822.905 ± 78.388 χ^2/NDF : 6471.0/2

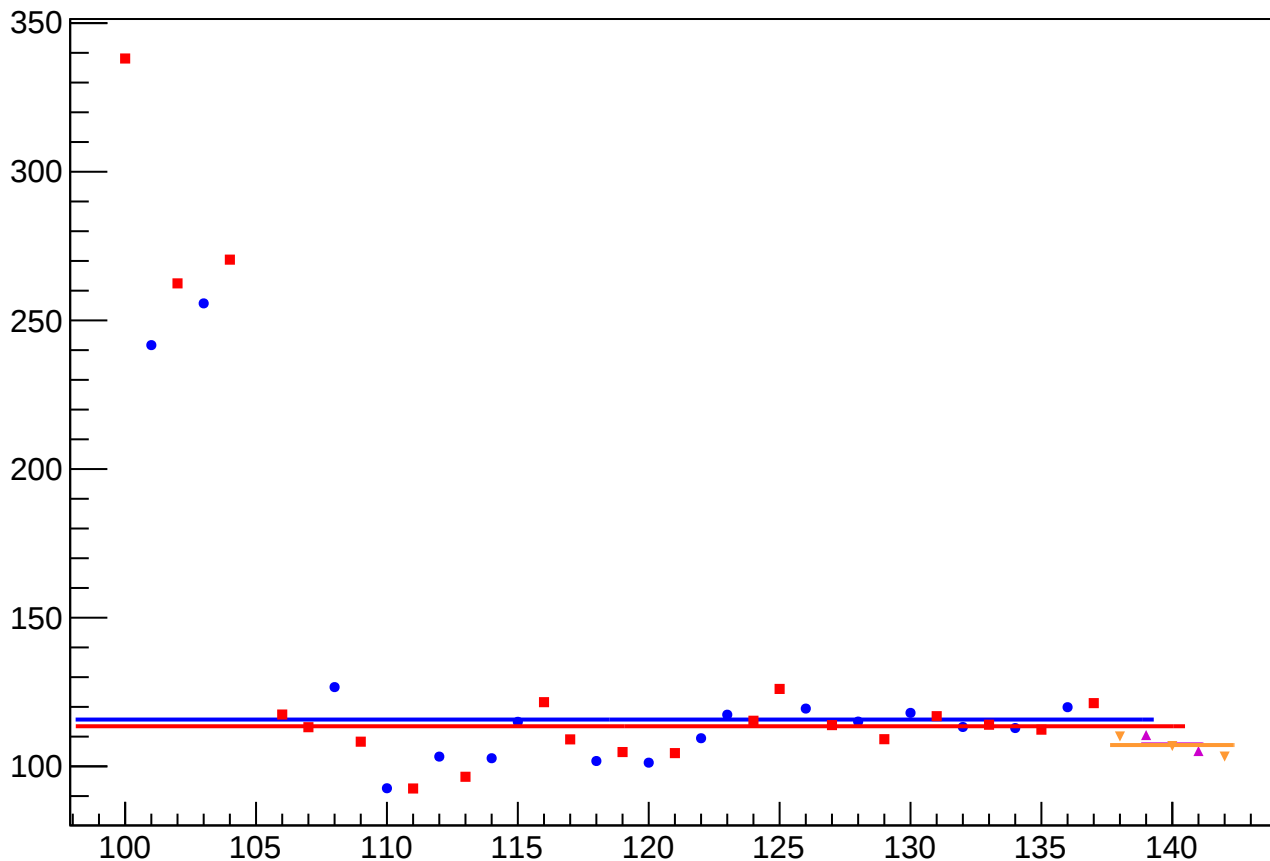
Right Out: 1327.819 ± 44.838 χ^2/NDF : 5919.9/19

Left In: 2410.016 ± 88.461 χ^2/NDF : 1266.1/1

-2801.757 ± 40.512 χ^2/NDF : 23911.4/19

1549.025 ± 39.994 χ^2/NDF : 7305.1/21

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 ± 0.033 χ^2/NDF : 744017.7/16

Left Out: 107.167 ± 0.055 χ^2/NDF : 2174.7/2

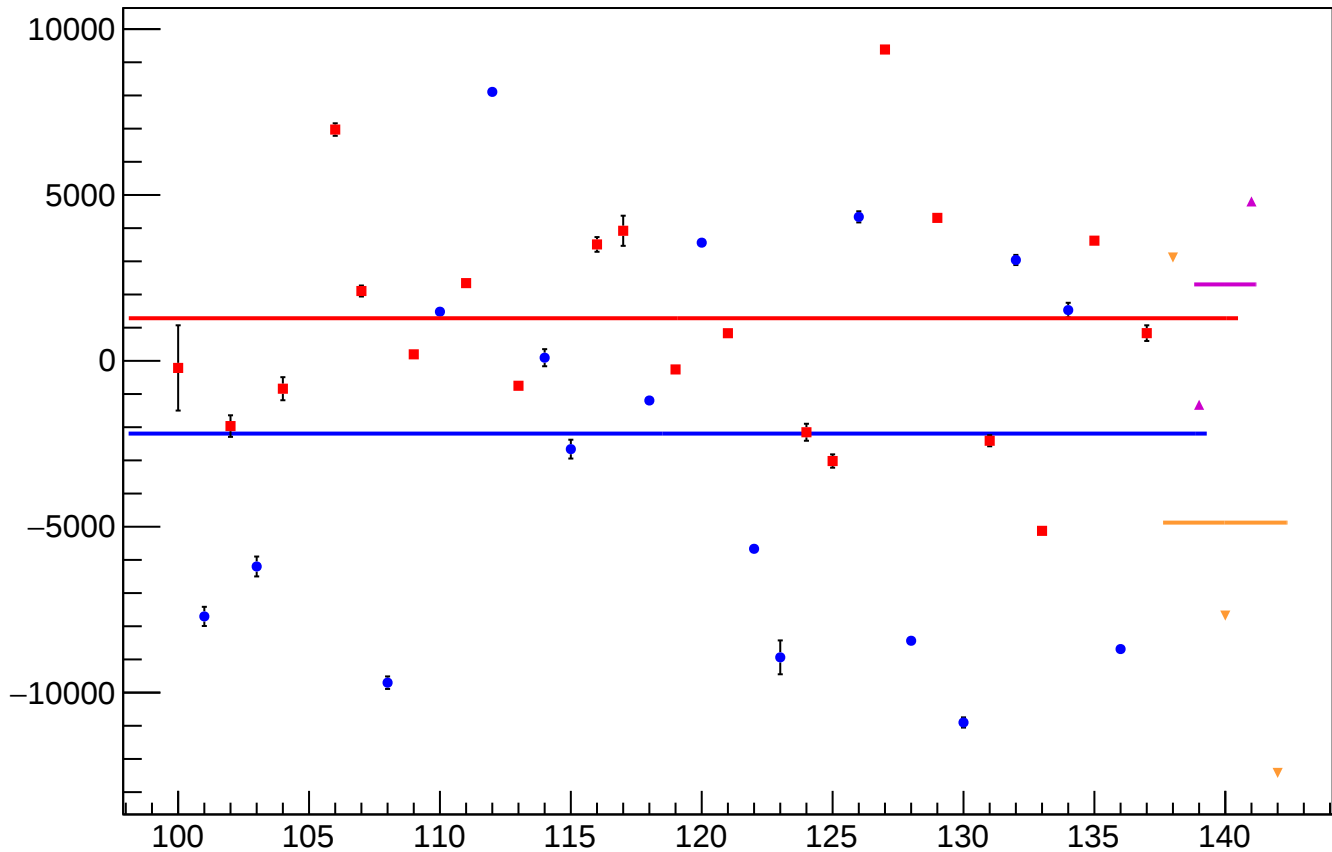
Right Out: 113.487 ± 0.032 χ^2/NDF : 796781.7/19

Left In: 107.399 ± 0.063 χ^2/NDF : 1798.6/1

113.451 ± 0.029 χ^2/NDF : 763727.4/19

112.242 ± 0.028 χ^2/NDF : 806118.0/21

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327+/-39.944 χ^2 /NDF: 22813.5/16

Left Out: -4875.920+/-71.149 χ^2 /NDF: 7824.3/2

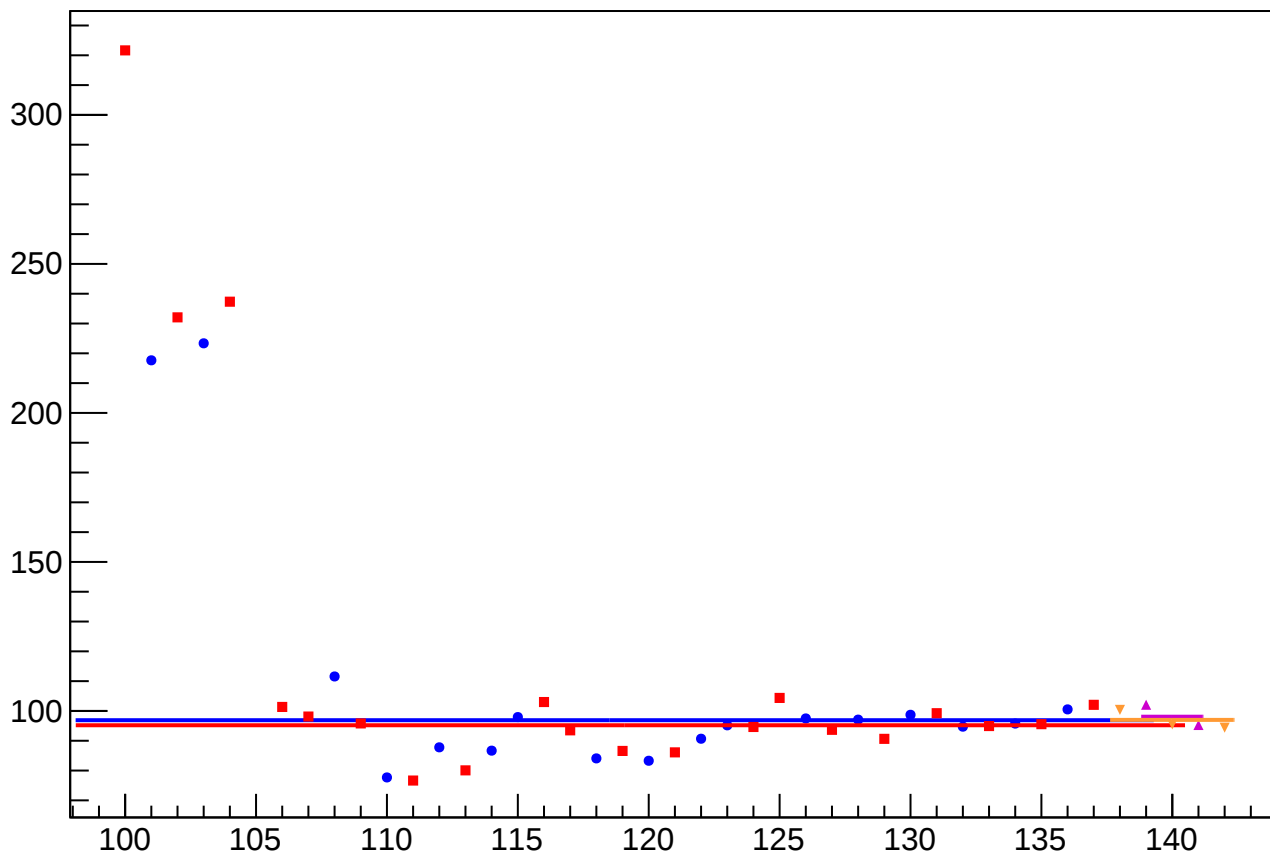
Right Out: 1284.692+/-37.915 χ^2 /NDF: 8584.4/19

Left In: 2304.040+/-80.922 χ^2 /NDF: 1386.0/1

-2835.452+/-34.830 χ^2 /NDF: 31719.5/19

1468.187+/-34.333 χ^2 /NDF: 10100.5/21

asym_bpm1i04WS_rms vs Slug



Right In: 96.894+/-0.028 χ^2/NDF : 817229.9/16

Left Out: 96.999+/-0.050 χ^2/NDF : 2601.4/2

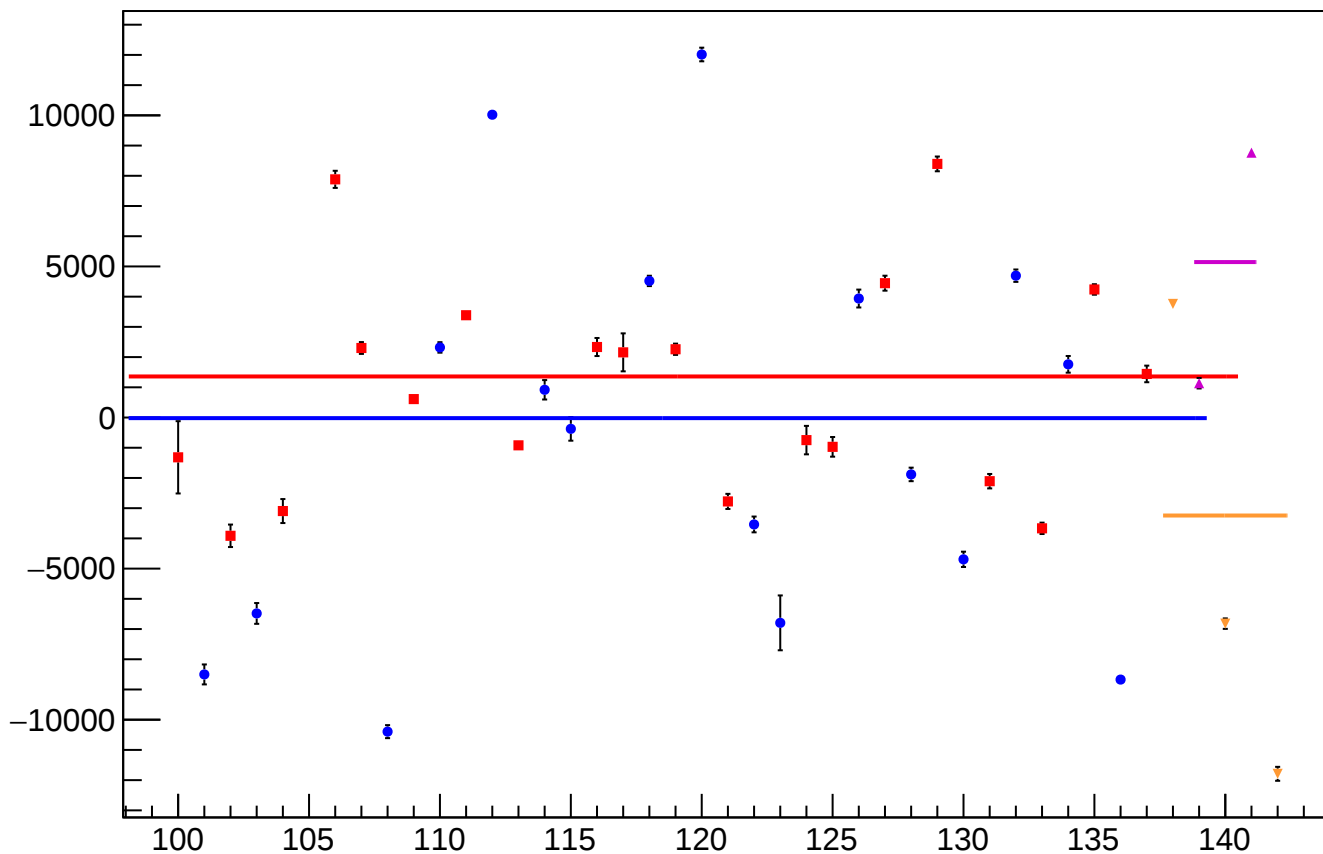
Right Out: 95.201+/-0.027 χ^2/NDF : 859838.2/19

Left In: 98.067+/-0.057 χ^2/NDF : 3409.4/1

96.919+/-0.025 χ^2/NDF : 819834.5/19

95.717+/-0.024 χ^2/NDF : 865303.9/21

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 χ^2/NDF : 16361.0/16

Left Out: -3242.792 ± 104.259 χ^2/NDF : 3754.6/2

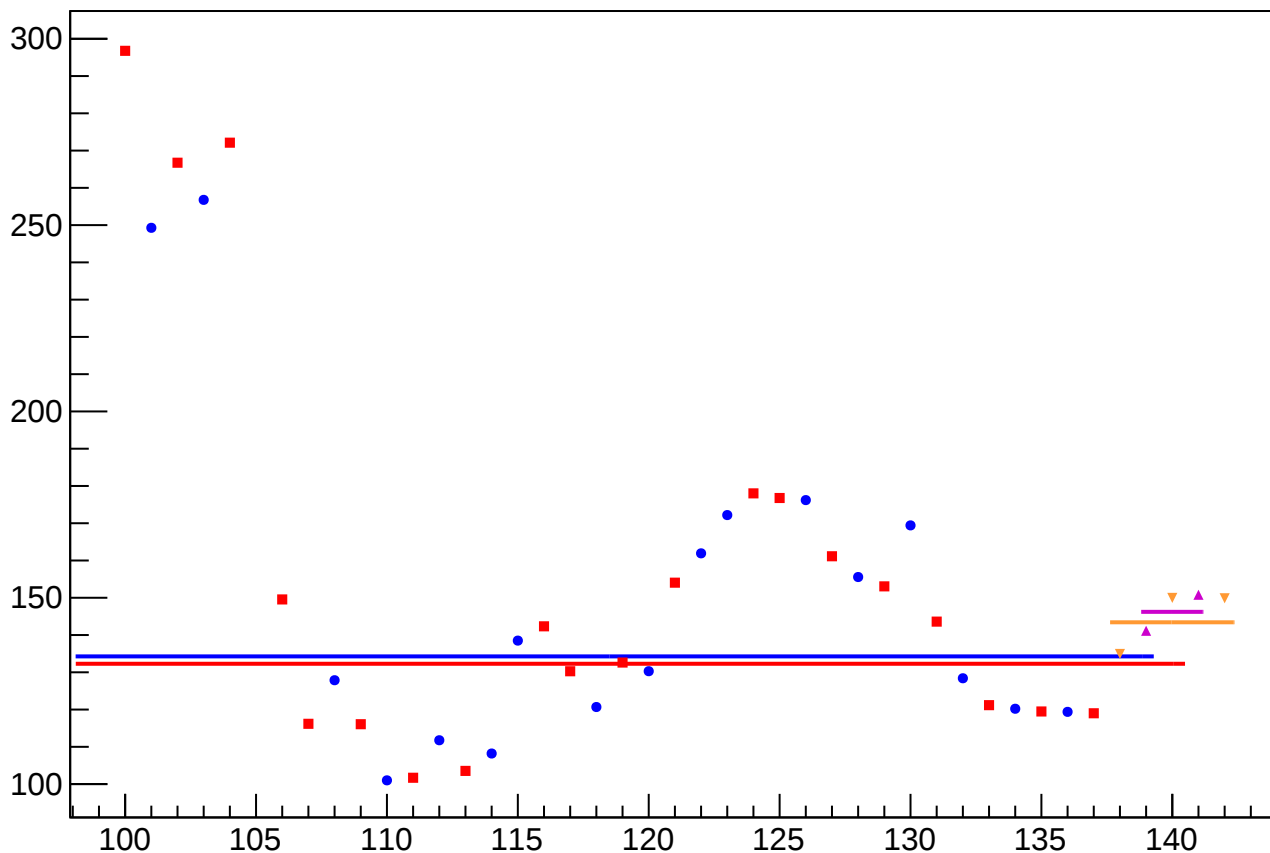
Right Out: 1359.001 ± 52.186 χ^2/NDF : 3838.8/19

Left In: 5144.665 ± 119.813 χ^2/NDF : 1011.0/1

-714.500 ± 48.399 χ^2/NDF : 20865.2/19

1962.666 ± 47.844 χ^2/NDF : 5689.0/21

asym_bpm1i06WS_rms vs Slug



Right In: 134.268+/-0.039 χ^2/NDF : 788647.0/16

Left Out: 143.417+/-0.074 χ^2/NDF :10178.3/2

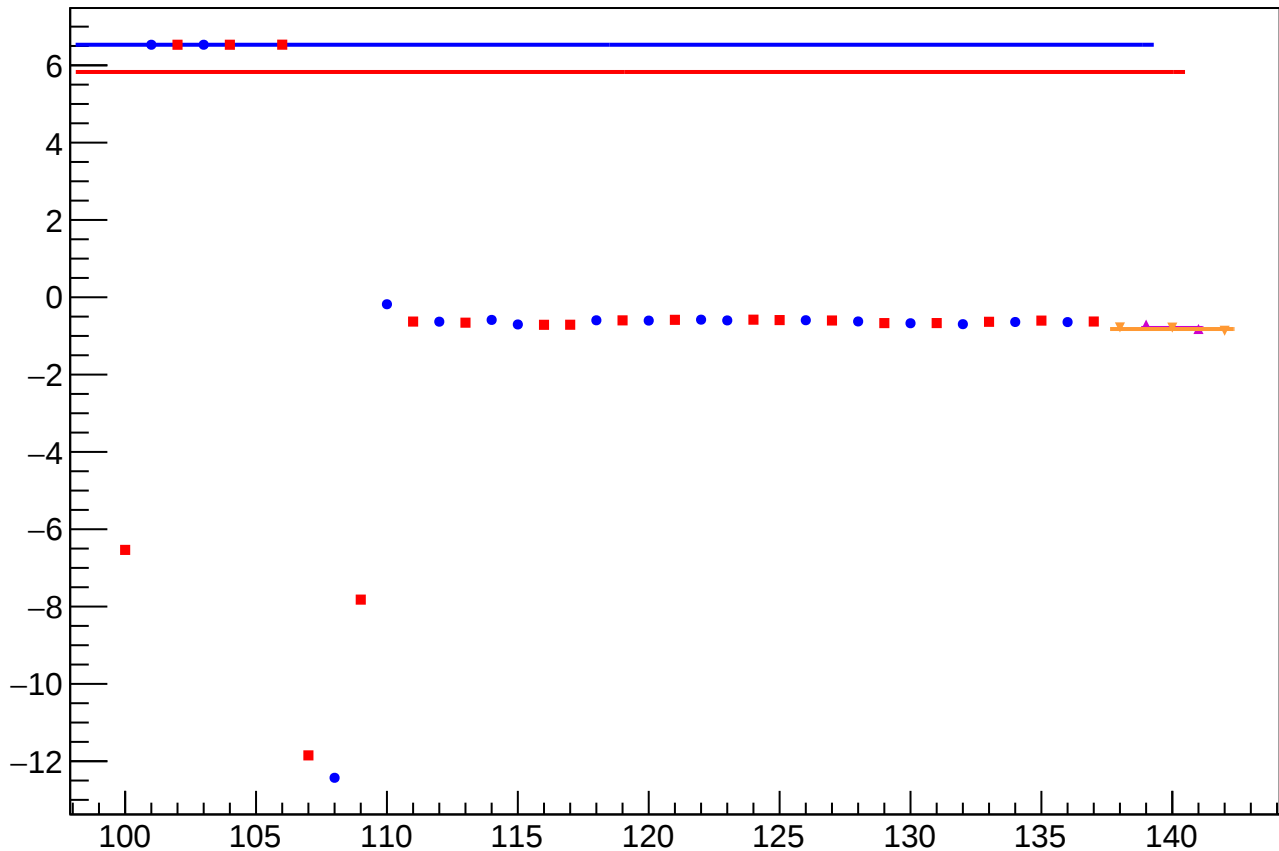
Right Out: 132.288+/-0.037 χ^2/NDF : 869913.4/19

Left In: 146.222+/-0.085 χ^2/NDF :3246.4/1

136.239+/-0.034 χ^2/NDF : 810908.6/19

134.510+/-0.034 χ^2/NDF : 895895.7/21

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127906780672.7/16

Left Out: -0.821 $\pm$ 0.000 χ^2 /NDF: 2126857.4/2

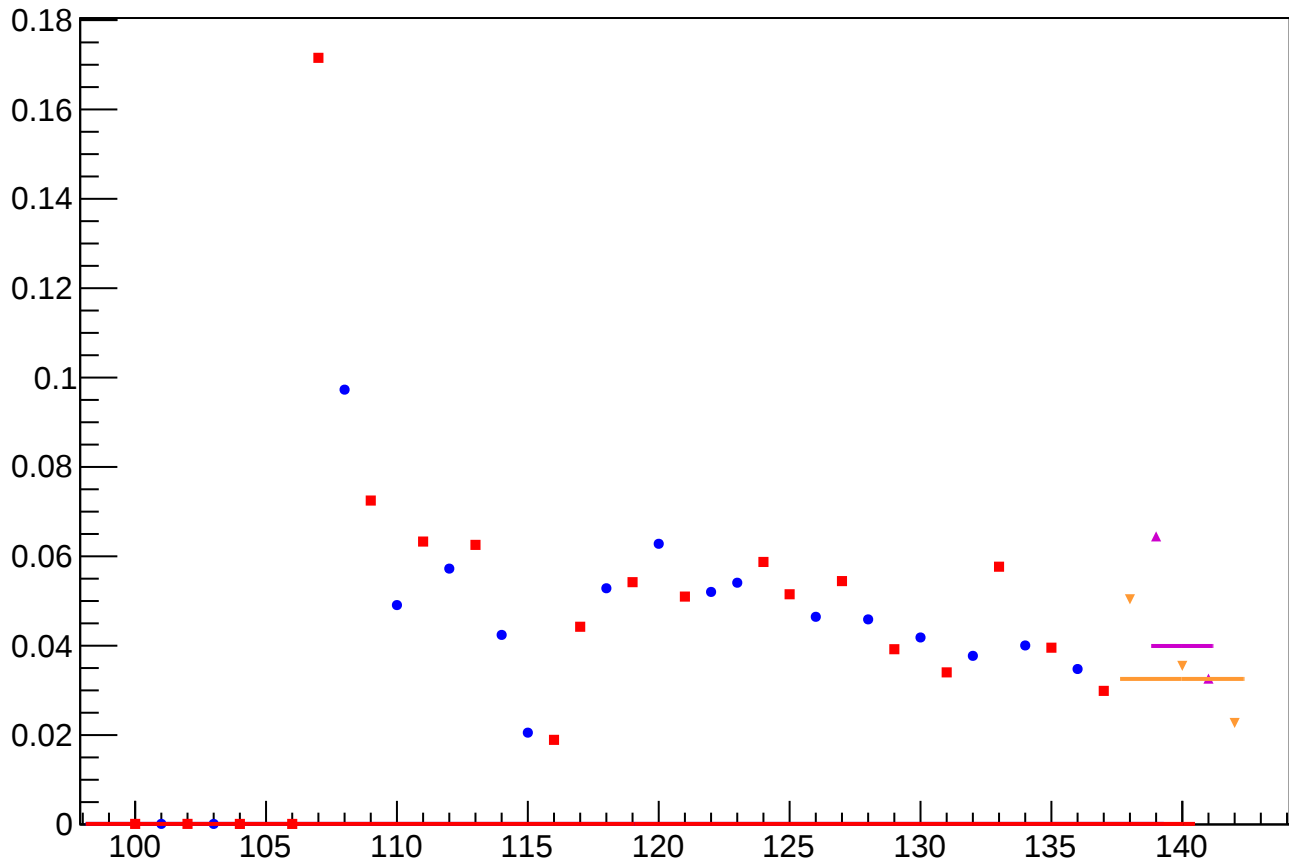
6.532 $\pm$ 0.000 χ^2 /NDF: 193948097048.2/19

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755949520765363.8/19

5.827 $\pm$ 0.000 χ^2 /NDF: 755979621518288.4/21

Left In: -0.794 $\pm$ 0.000 χ^2 /NDF: 1568950.4/1

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.033+/-0.000 χ^2/NDF : 268497.9/2

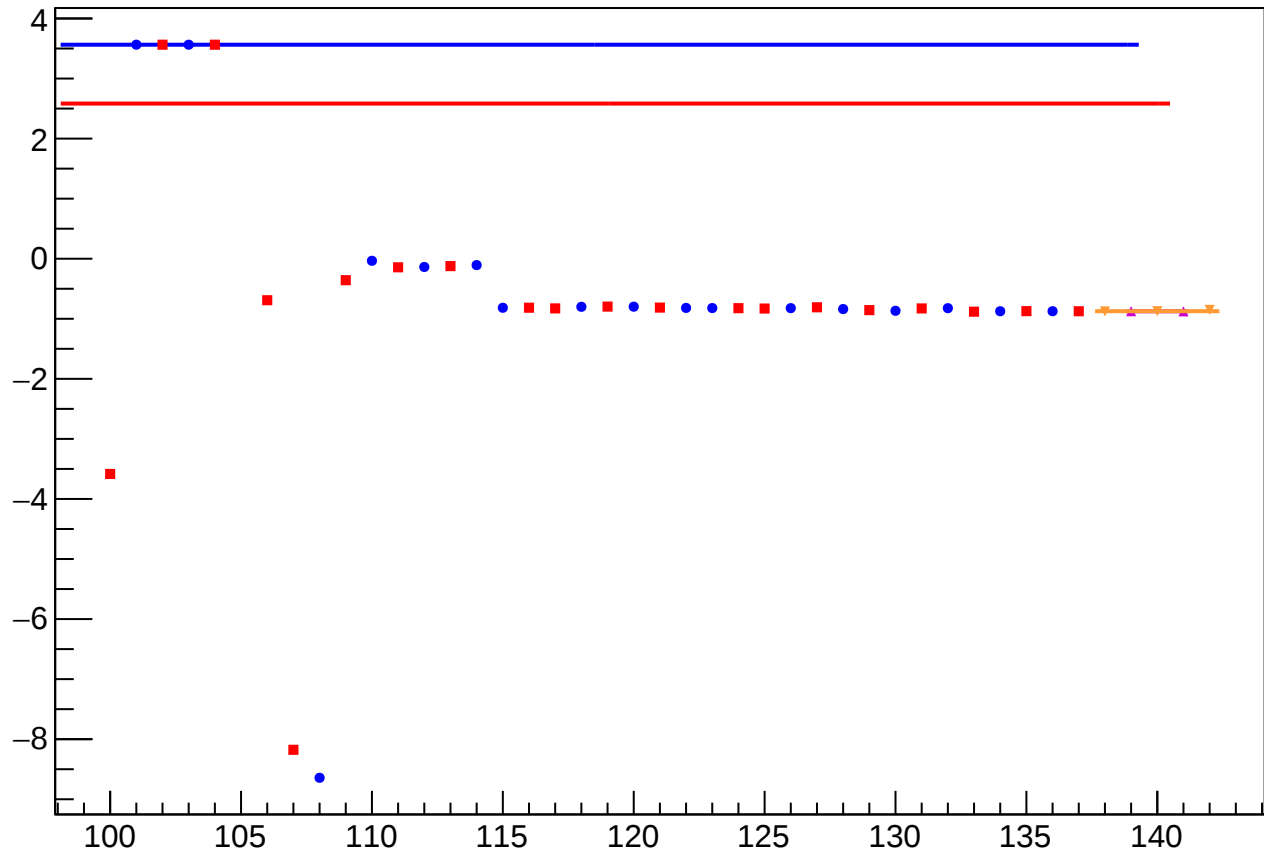
Right Out: 0.000+/-0.000 χ^2/NDF : 9453181.1/19

Left In: 0.040+/-0.000 χ^2/NDF : 245992.8/1

0.000+/-0.000 χ^2/NDF : 11868085.5/19

0.000+/-0.000 χ^2/NDF : 11875583.9/21

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.874+/-0.000 χ^2/NDF : 1181421.9/2

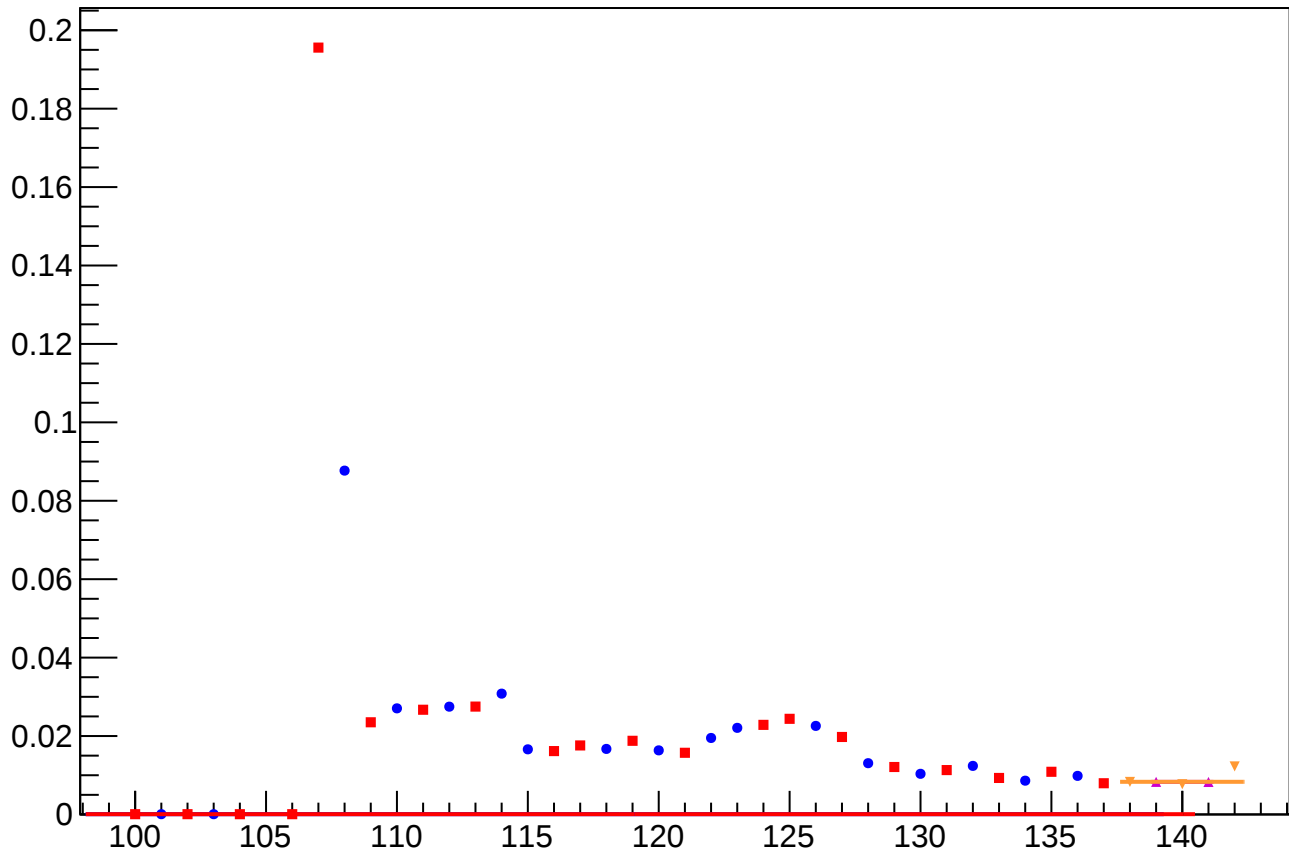
Right Out: 2.583+/-0.000 χ^2/NDF : 1253506756008351.0/19

Left In: -0.875+/-0.000 χ^2/NDF : 25652.9/1

3.563+/-0.000 χ^2/NDF : 979996201576.3/19

2.583+/-0.000 χ^2/NDF : 1253762701710876.5/2

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9848258.0/16

Left Out: 0.008+/-0.000 χ^2/NDF : 73750.0/2

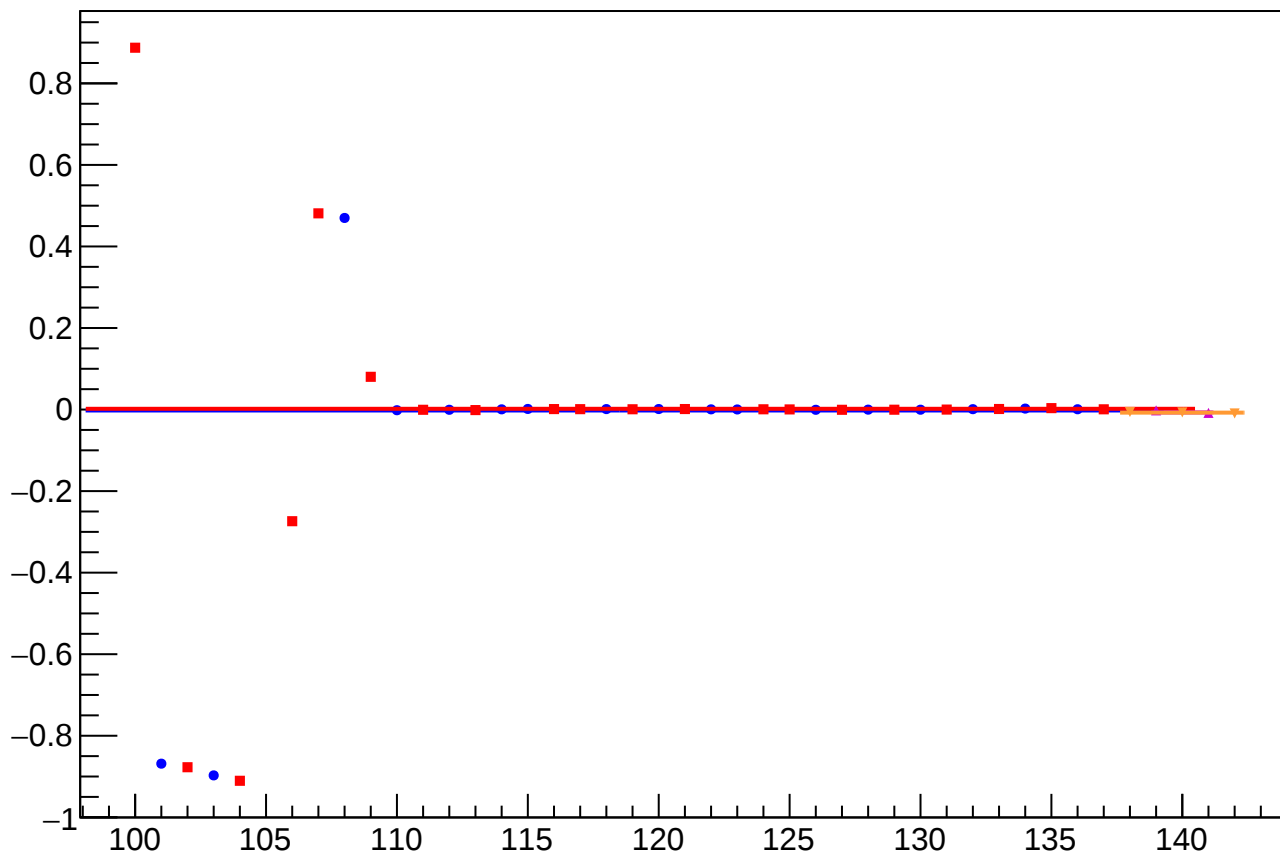
Right Out: 0.000+/-0.000 χ^2/NDF : 9955781.5/19

Left In: 0.008+/-0.000 χ^2/NDF : 6.7/1

0.000+/-0.000 χ^2/NDF : 13336677.1/19

0.000+/-0.000 χ^2/NDF : 12855512.6/21

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9795424036.3/16

Left Out: -0.008+/-0.000 χ^2/NDF :1213630.5/2

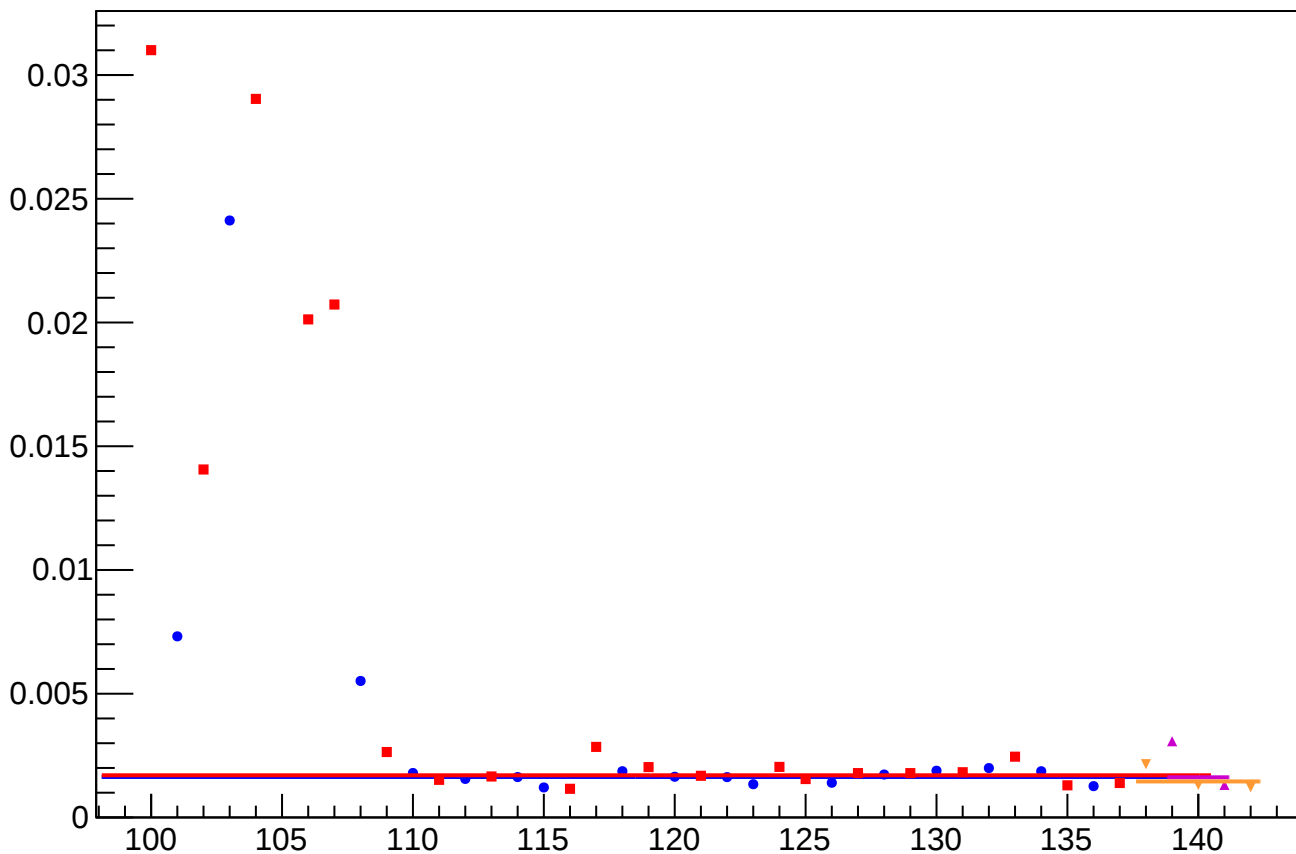
Right Out: 0.002+/-0.000 χ^2/NDF : 3041335141.0/19

Left In: -0.007+/-0.000 χ^2/NDF :2238695.5/1

-0.004+/-0.000 χ^2/NDF : 9809265373.2/19

-0.000+/-0.000 χ^2/NDF : 3069239572.5/21

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1919127.9/16

Left Out: 0.001+/-0.000 χ^2/NDF :159017.3/2

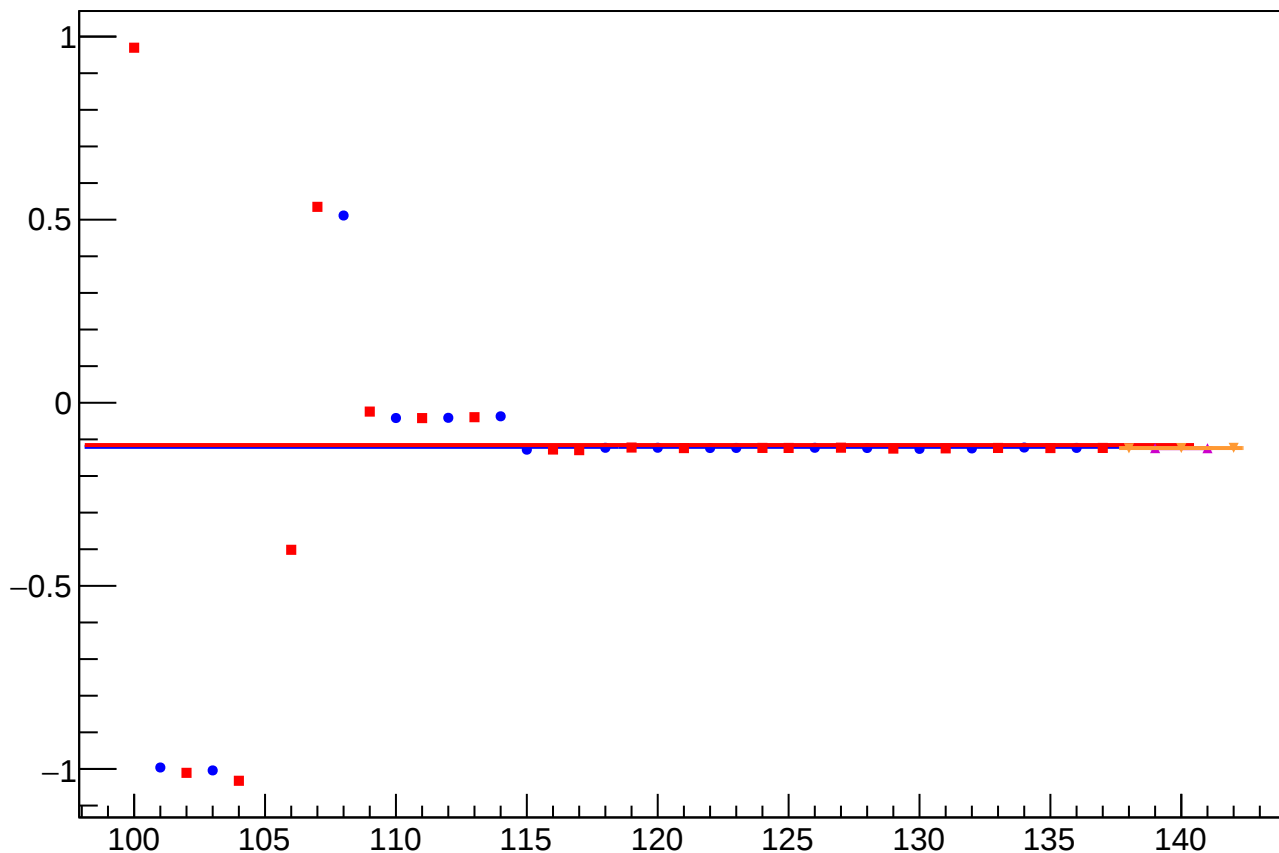
Right Out: 0.002+/-0.000 χ^2/NDF : 3038397.4/19

Left In: 0.002+/-0.000 χ^2/NDF :366929.9/1

0.002+/-0.000 χ^2/NDF : 2108134.0/19

0.002+/-0.000 χ^2/NDF : 3409639.2/21

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.124+/-0.000 χ^2/NDF : 320285.3/2

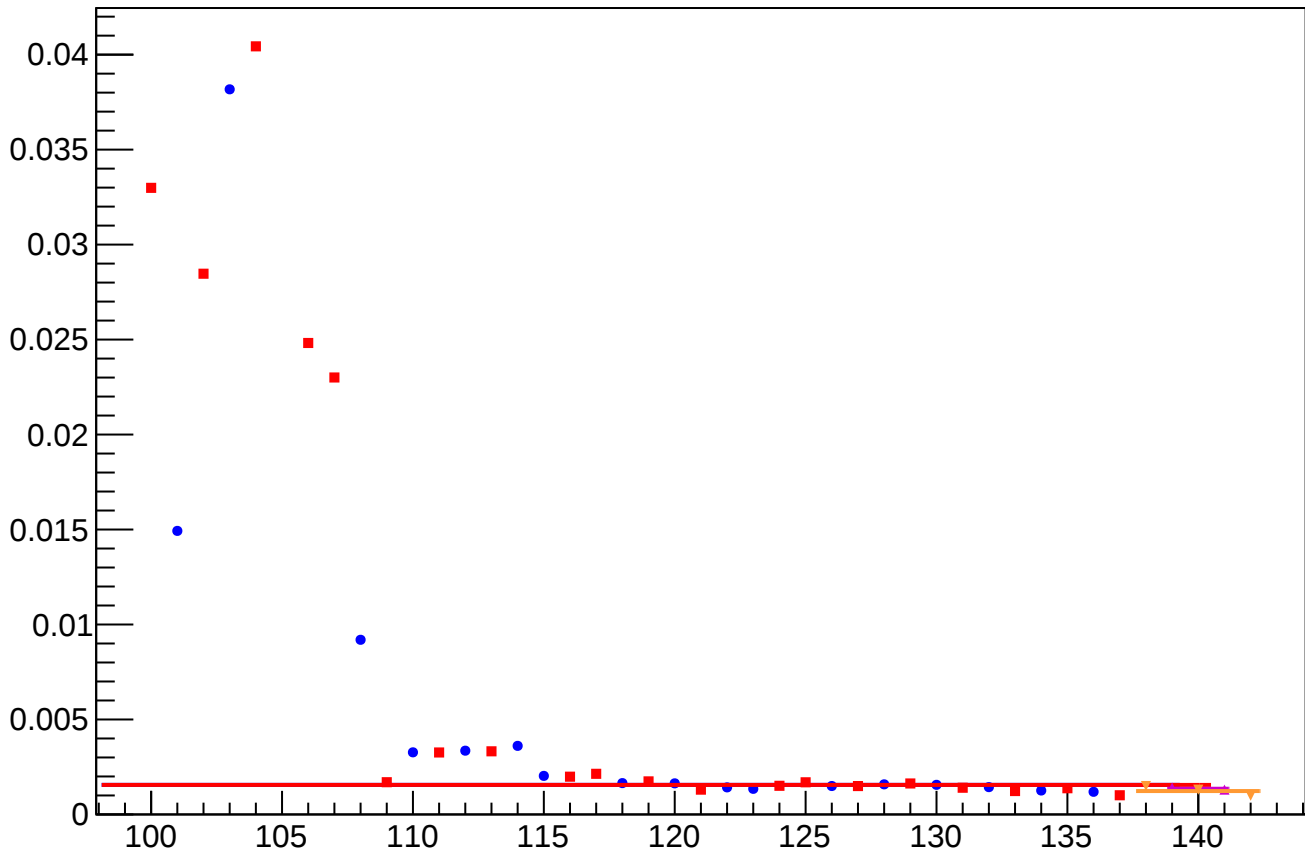
Right Out: -0.115+/-0.000 χ^2/NDF : 2458720596.9/19

Left In: -0.124+/-0.000 χ^2/NDF : 7495.7/1

-0.122+/-0.000 χ^2/NDF : 3940149098.2/19

-0.118+/-0.000 χ^2/NDF : 2496179948.2/21

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2903607.4/16

Left Out: 0.001+/-0.000 χ^2/NDF :96679.2/2

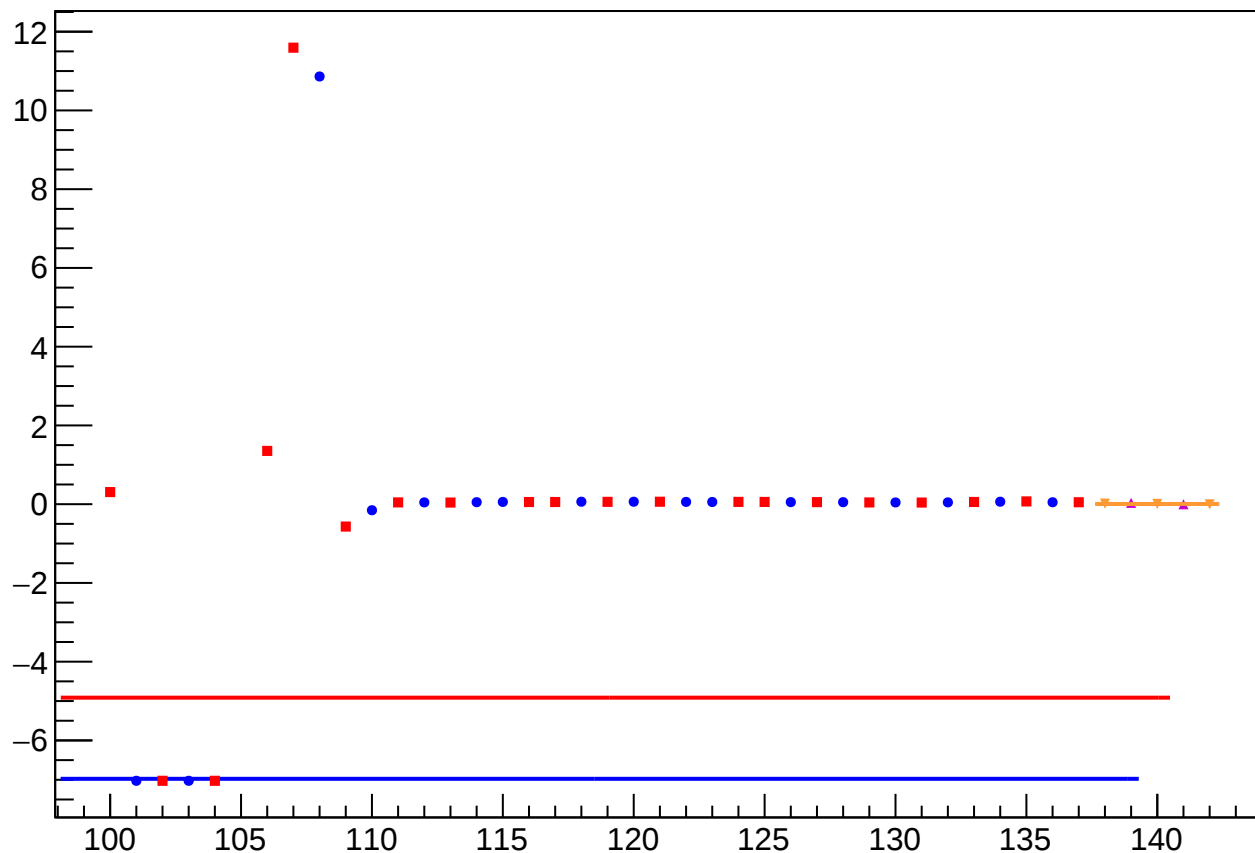
0.001+/-0.000 χ^2/NDF : 3147958.8/19

Right Out: 0.002+/-0.000 χ^2/NDF : 3544377.2/19

0.002+/-0.000 χ^2/NDF : 3590760.9/21

Left In: 0.001+/-0.000 χ^2/NDF :4216.6/1

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.005+/-0.000 χ^2/NDF : 895609.7/2

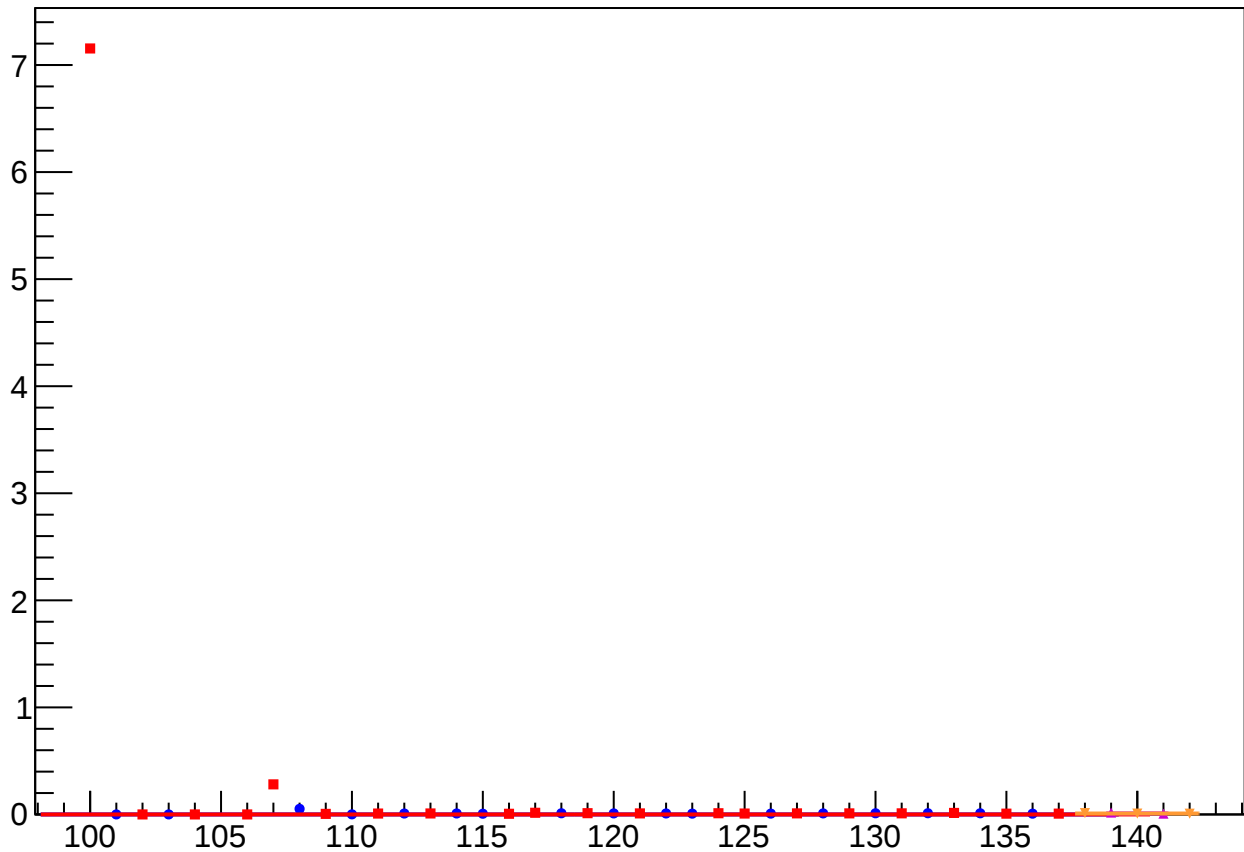
Right Out: -4.914+/-0.000 χ^2/NDF : 365366243956054.8/19

Left In: 0.004+/-0.000 χ^2/NDF : 2309134.5/1

-6.970+/-0.000 χ^2/NDF : 9647958934276.3/19

-4.912+/-0.000 χ^2/NDF : 365660717868543.8/2

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8362763.6/16

Left Out: 0.009+/-0.000 χ^2/NDF :151325.4/2

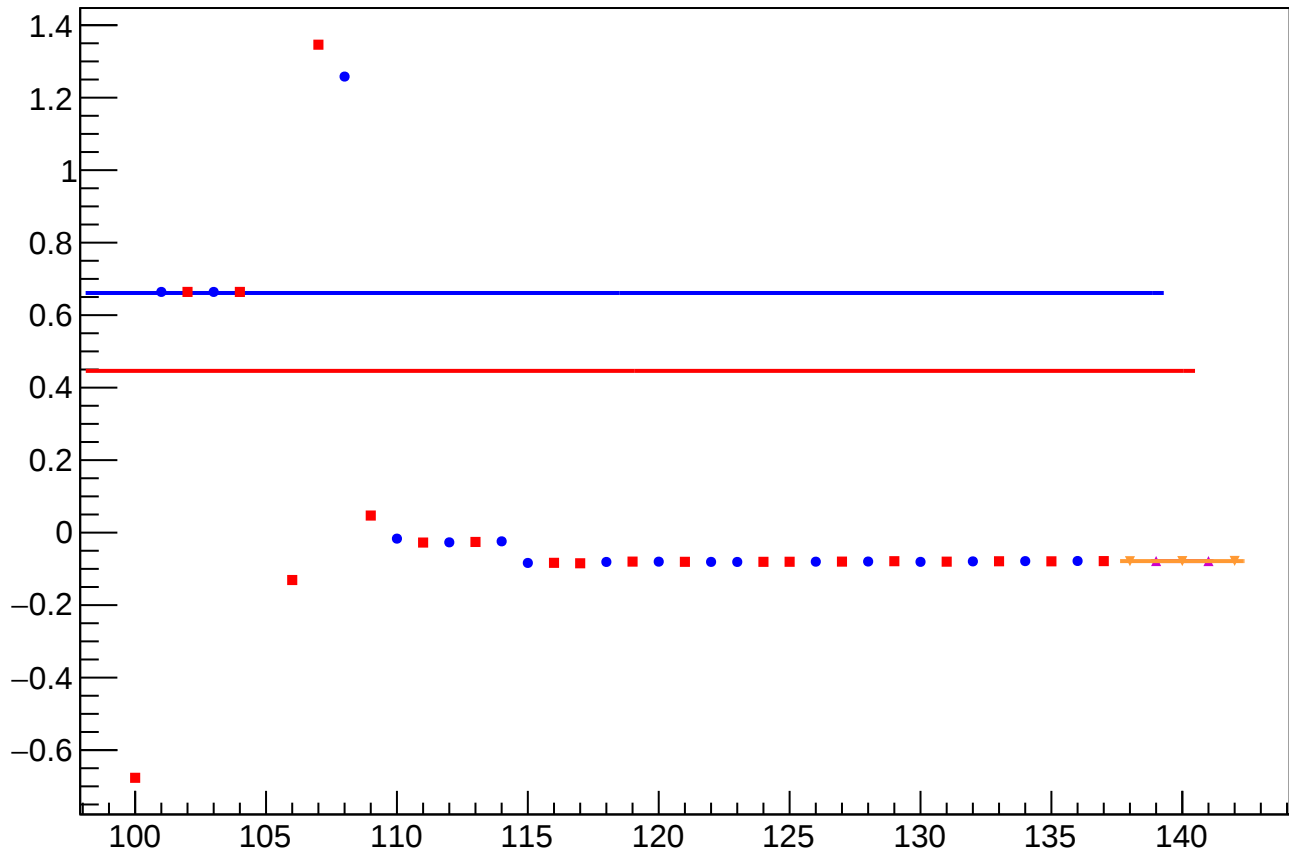
Right Out: 0.000+/-0.000 χ^2/NDF : 8880914.4/19

Left In: 0.009+/-0.000 χ^2/NDF :364855.7/1

0.000+/-0.000 χ^2/NDF : 11101760.5/19

0.000+/-0.000 χ^2/NDF : 11309245.0/21

yield_cav4dY_mean vs Slug



Right In: 0.661 ± 0.000 χ^2/NDF : 5678332616622.1/16

Left Out: -0.079 ± 0.000 χ^2/NDF : 479965.9/2

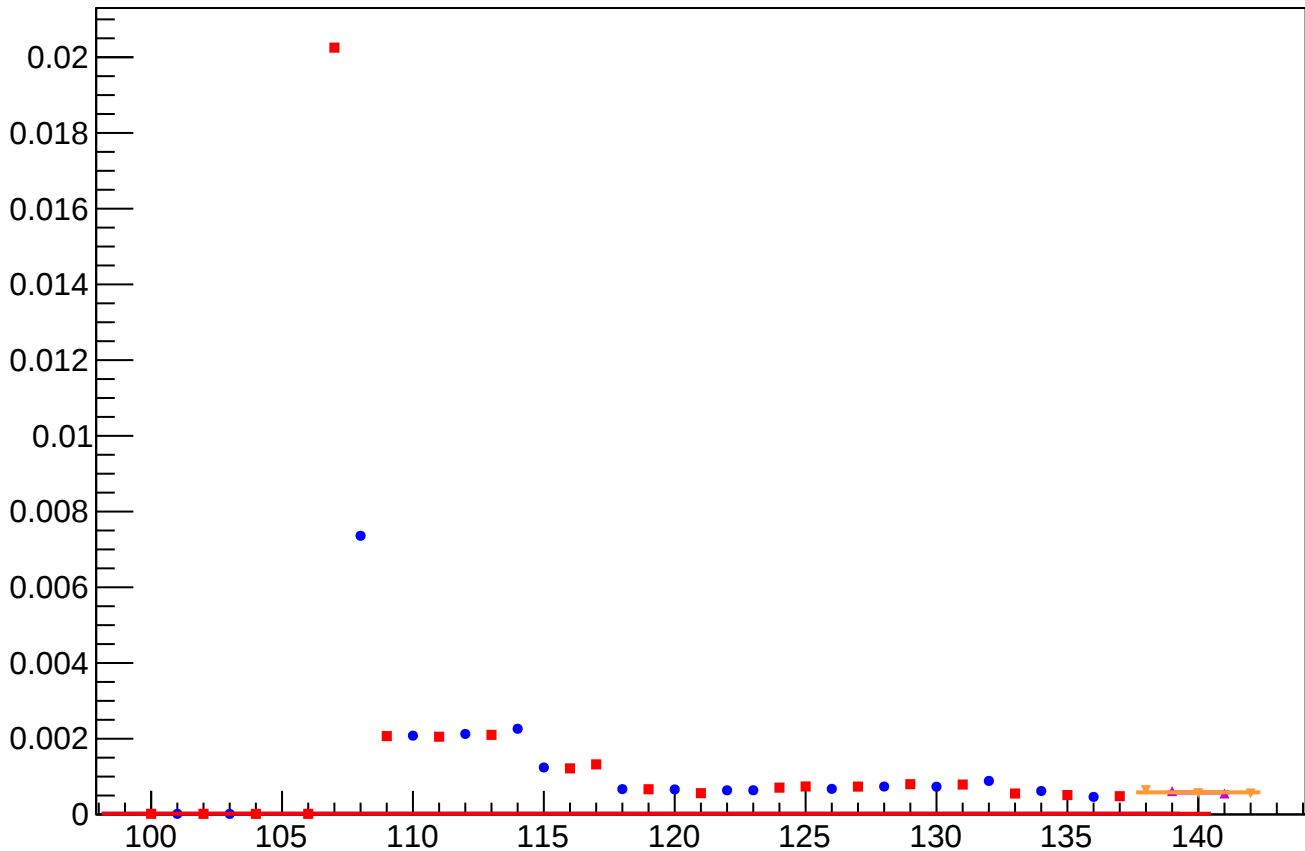
Right Out: 0.446 ± 0.000 χ^2/NDF : 405434749783850.4/19

Left In: -0.078 ± 0.000 χ^2/NDF : 5731.0/1

0.660 ± 0.000 χ^2/NDF : 8621008917178.4/19

0.445 ± 0.000 χ^2/NDF : 406624356185495.6/21

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9997012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF :15757.1/2

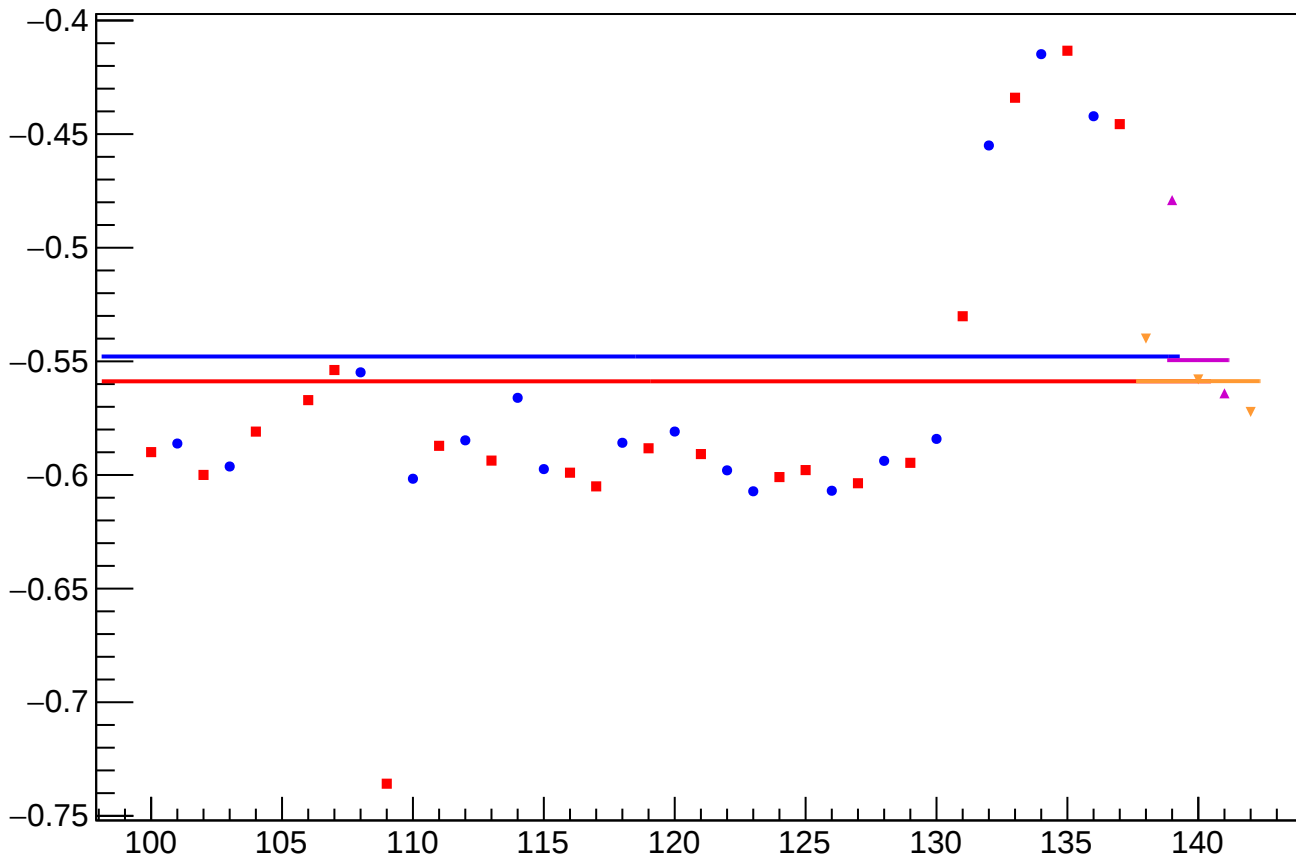
Right Out: 0.000+/-0.000 χ^2/NDF : 9575039.3/19

Left In: 0.001+/-0.000 χ^2/NDF :8225.6/1

0.000+/-0.000 χ^2/NDF : 13454914.3/19

0.000+/-0.000 χ^2/NDF : 12309382.2/21

yield_bpm4aX_mean vs Slug



Right In: -0.548 ± 0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.559 ± 0.000 χ^2/NDF : 472498.8/2

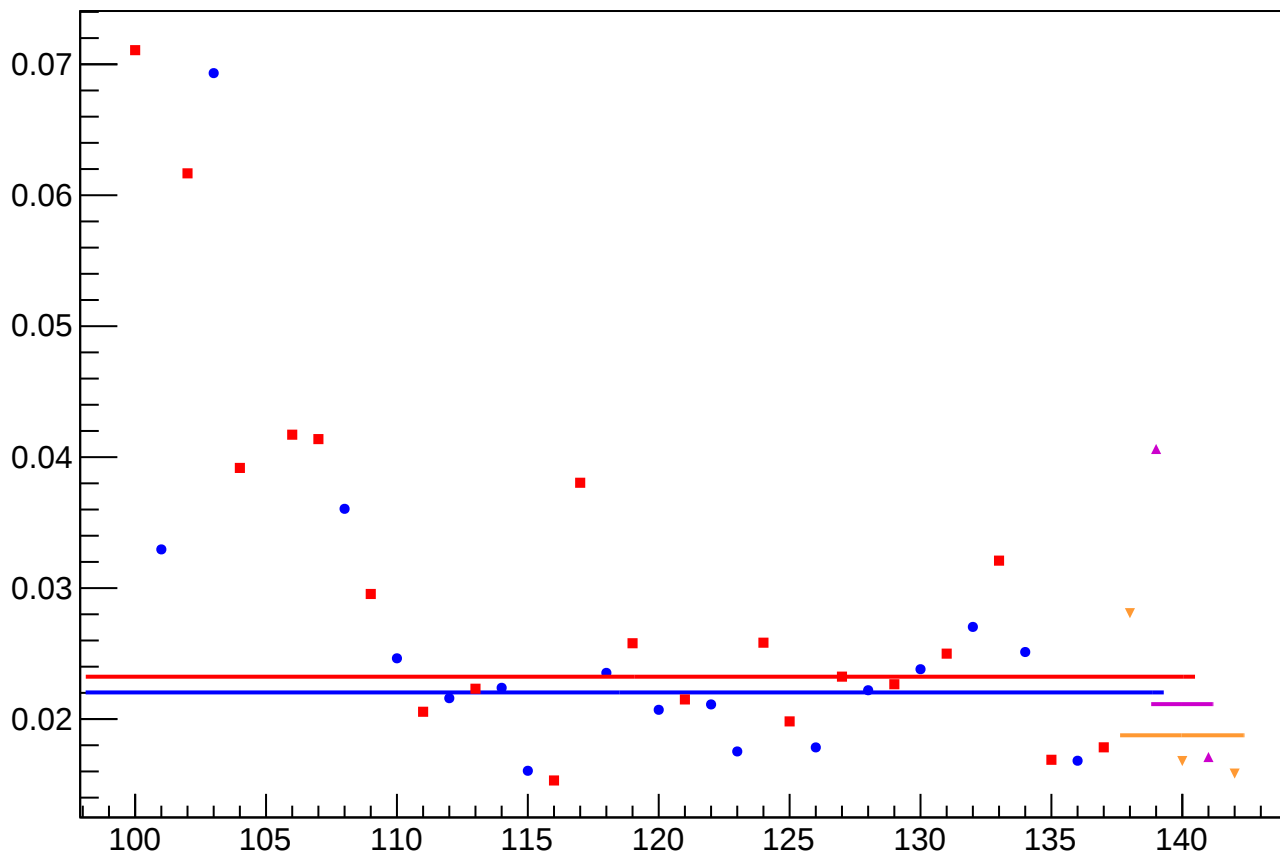
Right Out: -0.559 ± 0.000 χ^2/NDF : 65741796.4/19

Left In: -0.549 ± 0.000 χ^2/NDF : 2453960.7/1

-0.551 ± 0.000 χ^2/NDF : 49377211.9/19

-0.557 ± 0.000 χ^2/NDF : 68363141.7/21

yield_bpm4aX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 958966.6/16

Left Out: 0.019 ± 0.000 χ^2/NDF : 163983.5/2

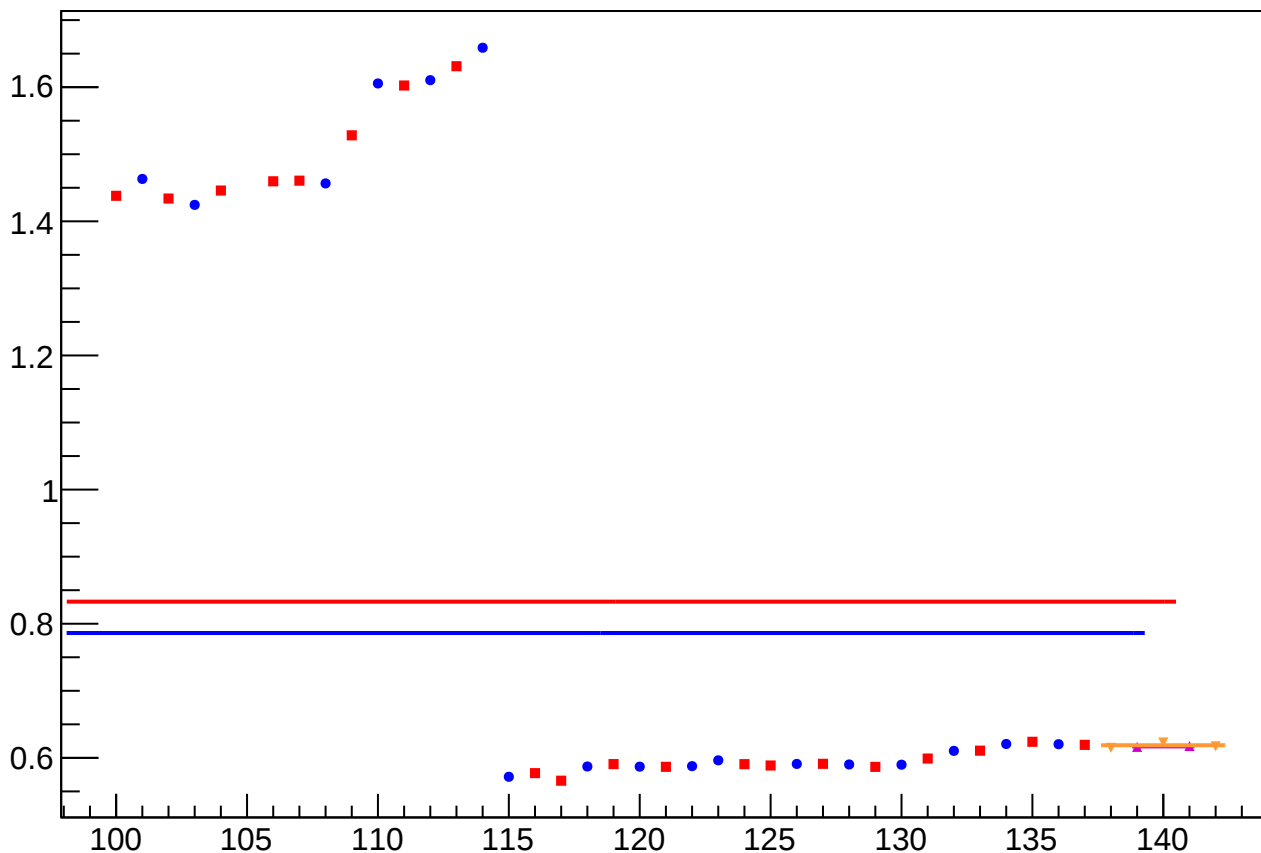
Right Out: 0.023 ± 0.000 χ^2/NDF : 1169205.3/19

Left In: 0.021 ± 0.000 χ^2/NDF : 375635.3/1

0.021 ± 0.000 χ^2/NDF : 1182115.3/19

0.023 ± 0.000 χ^2/NDF : 1561718.3/21

yield_bpm4aY_mean vs Slug



Right In: 0.786+/-0.000 χ^2/NDF : 3590113316.1/16

Left Out: 0.619+/-0.000 χ^2/NDF :178294.0/2

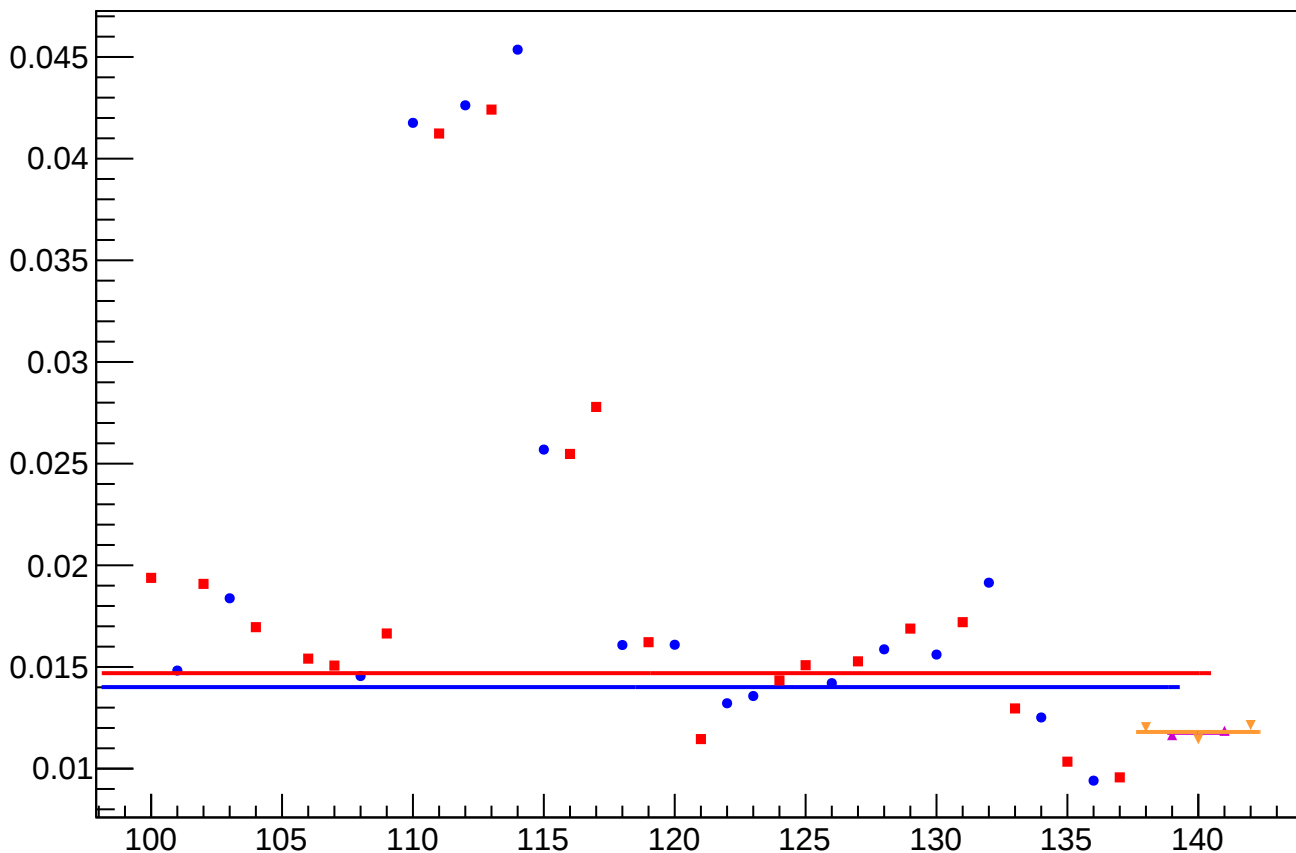
Right Out: 0.833+/-0.000 χ^2/NDF : 4160348649.7/19

Left In: 0.617+/-0.000 χ^2/NDF :4218.5/1

0.733+/-0.000 χ^2/NDF : 3847365062.0/19

0.773+/-0.000 χ^2/NDF : 4520146786.2/21

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1404865.3/16

Left Out: 0.012+/-0.000 χ^2/NDF :2709.3/2

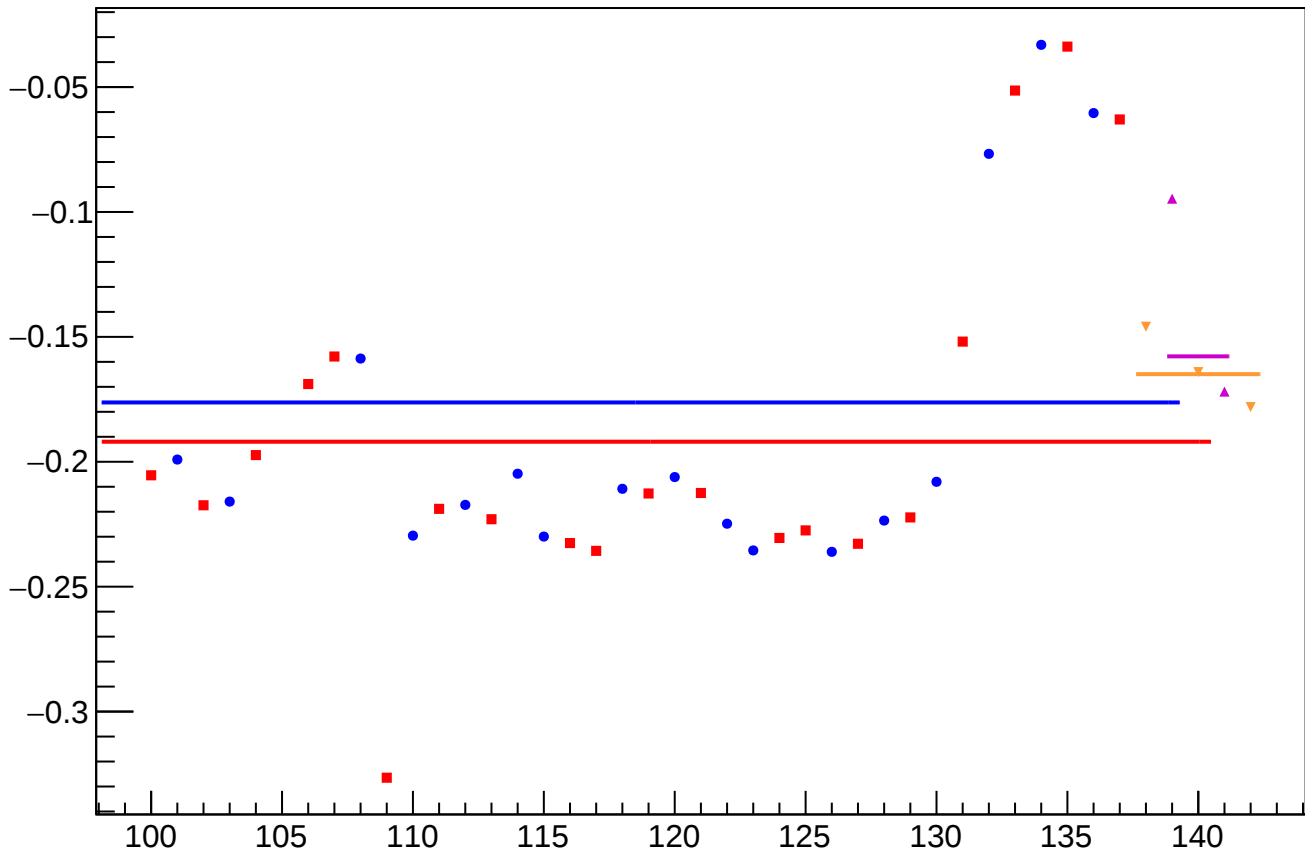
Right Out: 0.015+/-0.000 χ^2/NDF : 1280473.4/19

Left In: 0.012+/-0.000 χ^2/NDF :239.4/1

0.013+/-0.000 χ^2/NDF : 1496910.8/19

0.014+/-0.000 χ^2/NDF : 1413694.2/21

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.165+/-0.000 χ^2/NDF : 516162.1/2

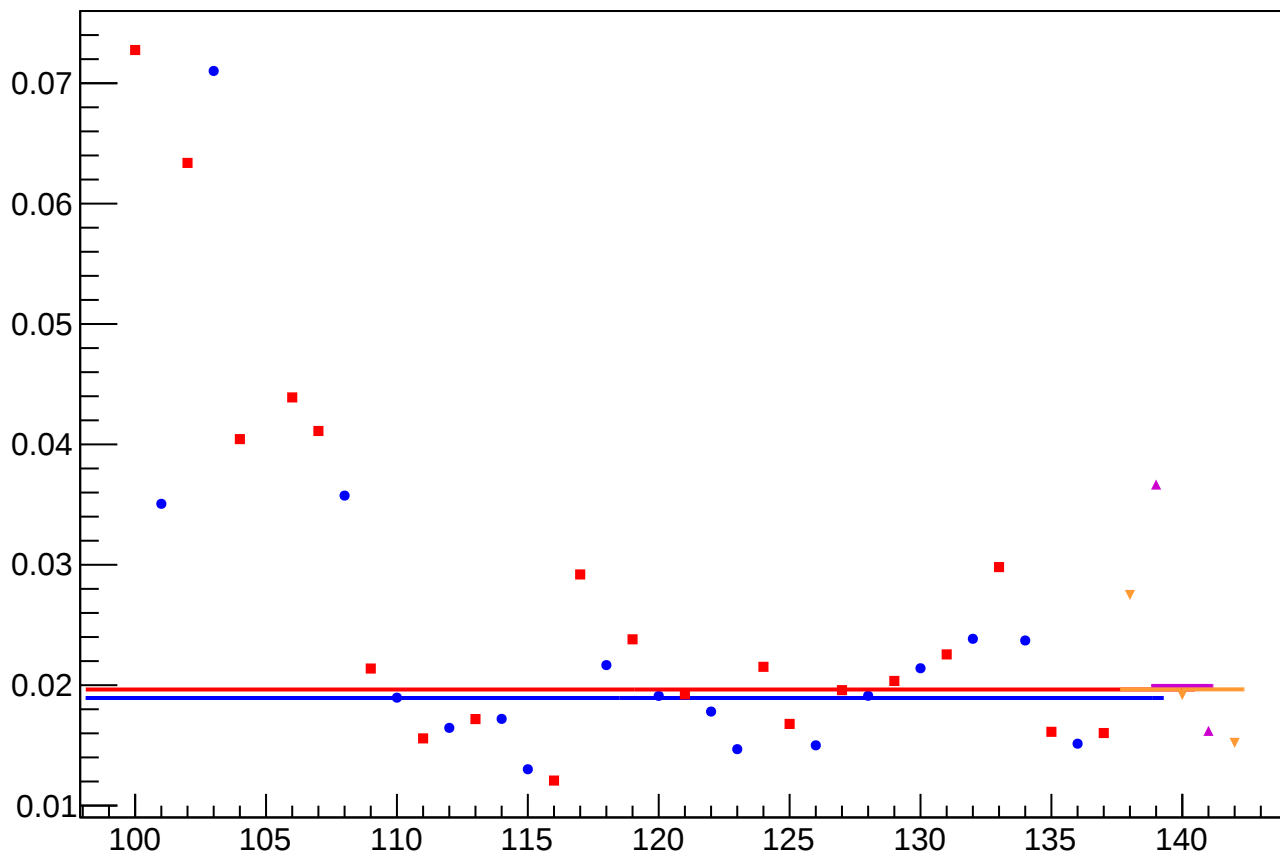
Right Out: -0.192+/-0.000 χ^2/NDF : 83899255.4/19

Left In: -0.158+/-0.000 χ^2/NDF : 2448470.4/1

-0.174+/-0.000 χ^2/NDF : 71025084.6/19

-0.186+/-0.000 χ^2/NDF : 89019193.6/21

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.020+/-0.000 χ^2/NDF : 151148.0/2

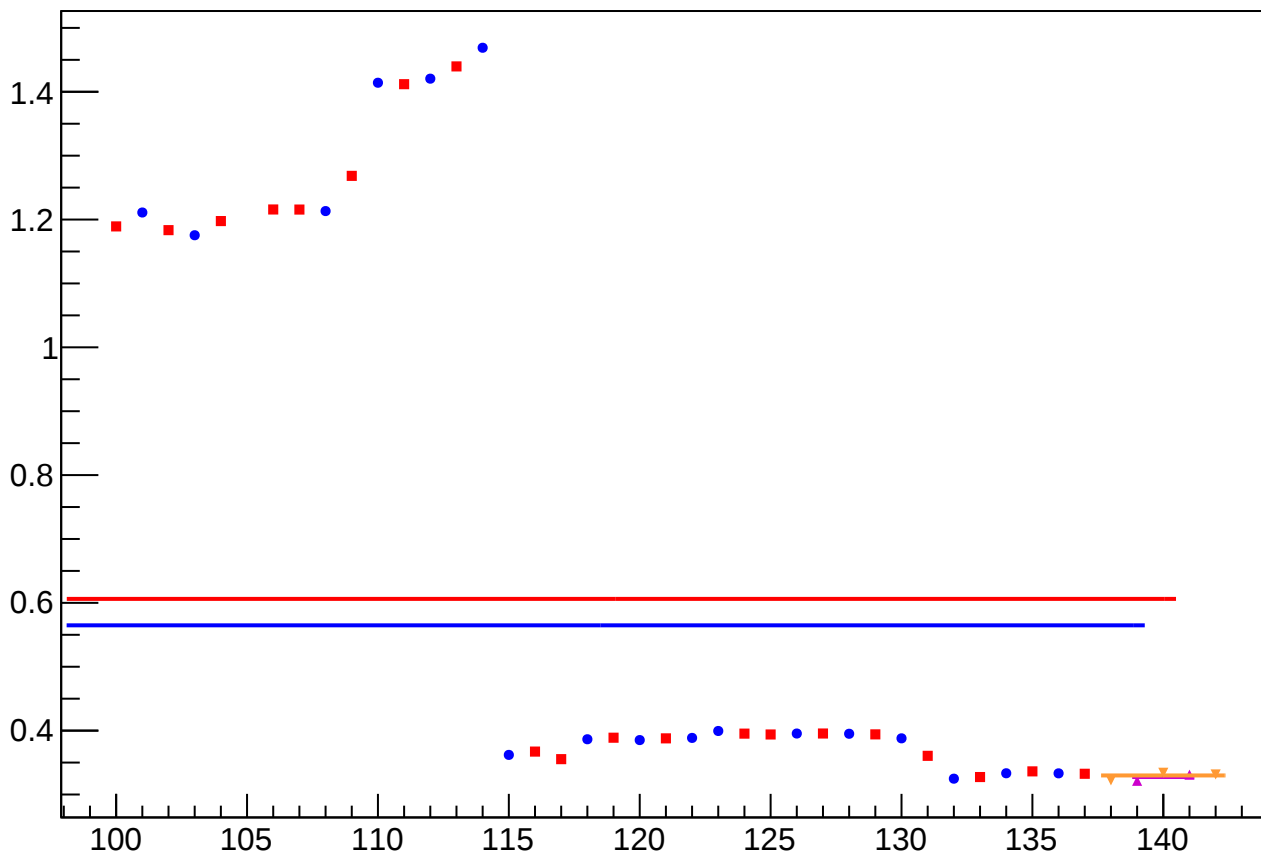
Right Out: 0.020+/-0.000 χ^2/NDF : 1466285.9/19

Left In: 0.020+/-0.000 χ^2/NDF : 343698.5/1

0.019+/-0.000 χ^2/NDF : 1359994.7/19

0.020+/-0.000 χ^2/NDF : 1810386.6/21

yield_bpm4eY_mean vs Slug



Right In: 0.565+/-0.000 χ^2/NDF : 5030969499.3/16

Left Out: 0.330+/-0.000 χ^2/NDF :341589.3/2

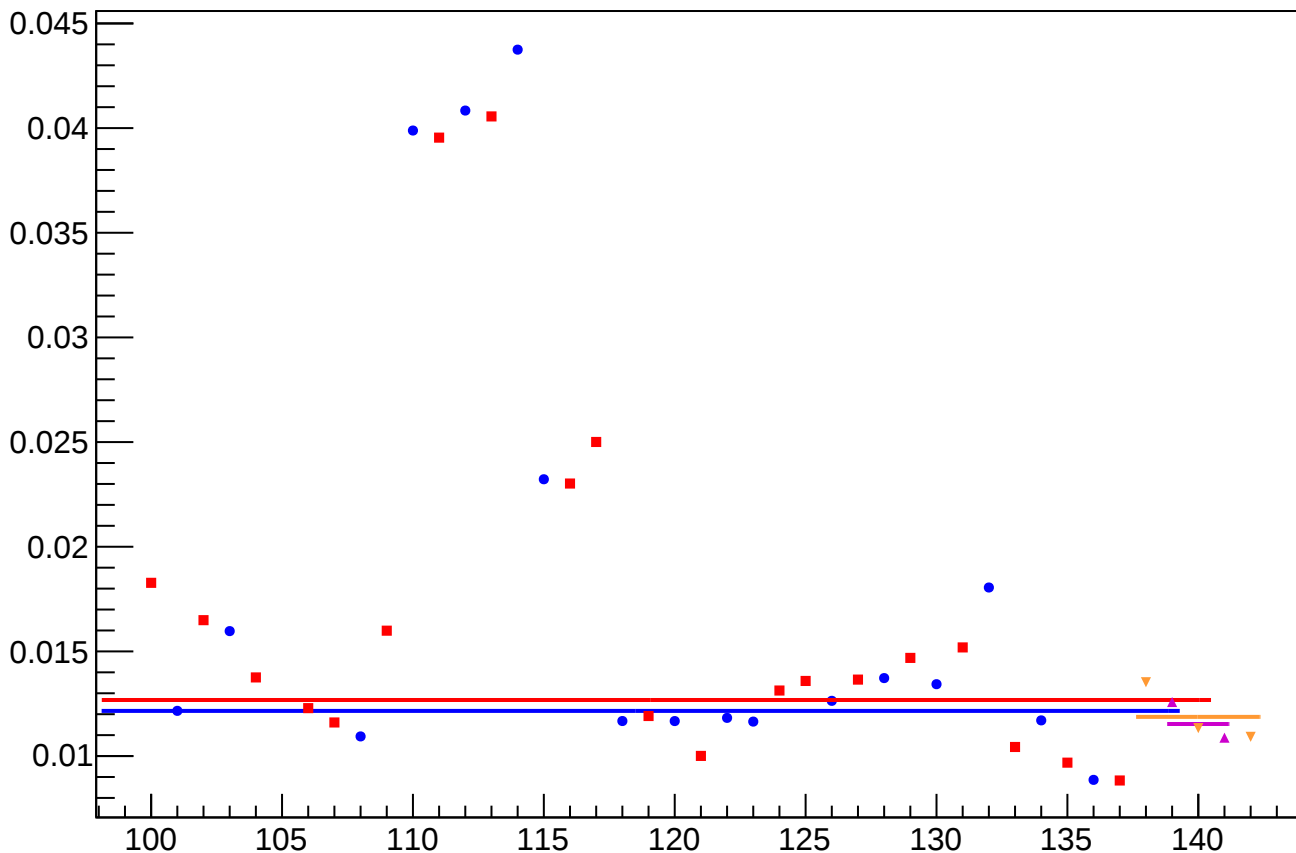
Right Out: 0.606+/-0.000 χ^2/NDF : 5517630064.2/19

Left In: 0.327+/-0.000 χ^2/NDF :236183.0/1

0.505+/-0.000 χ^2/NDF : 5569754334.6/19

0.542+/-0.000 χ^2/NDF : 6172475467.3/21

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1309888.8/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:30687.4/2

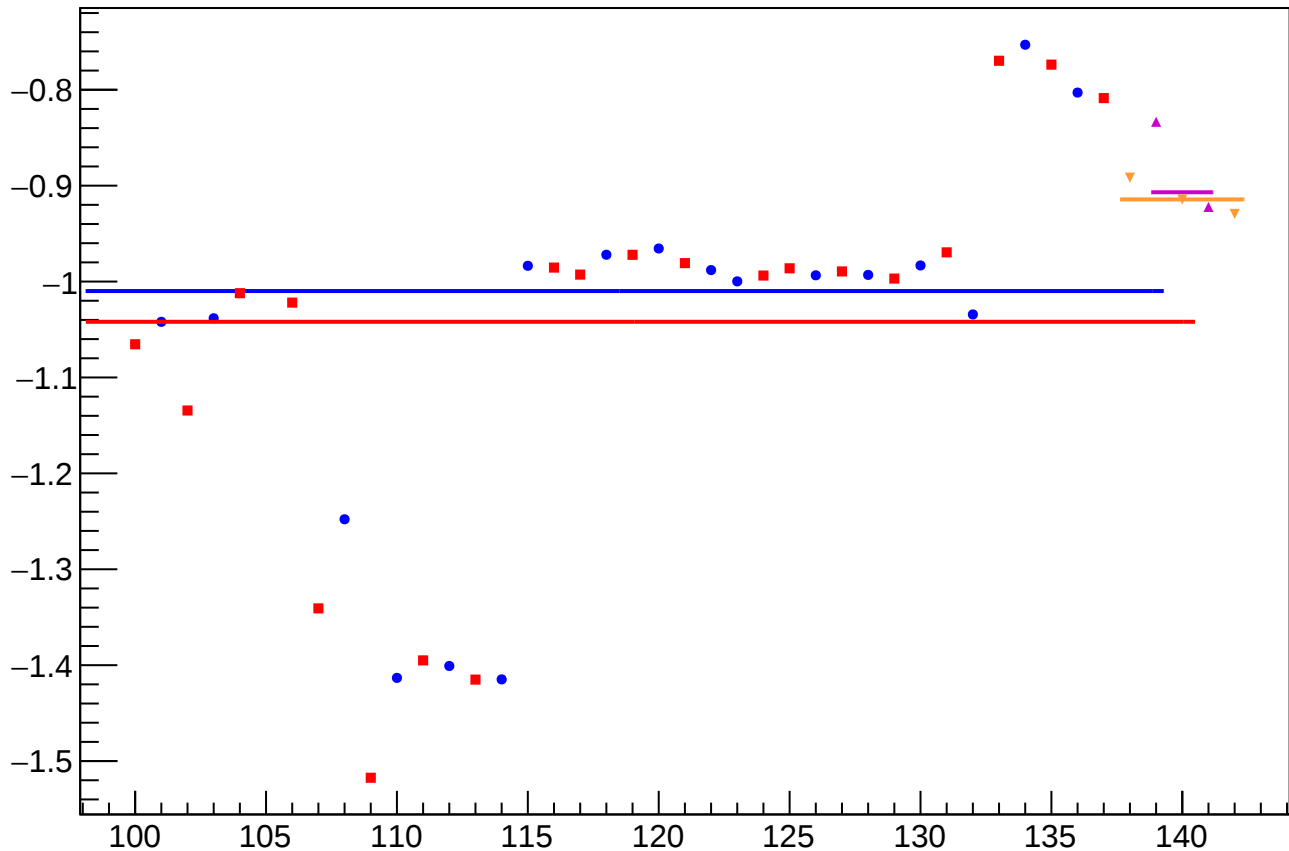
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1289415.7/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:14978.4/1

0.012 $\pm$ 0.000 χ^2 /NDF: 1342161.6/19

0.012 $\pm$ 0.000 χ^2 /NDF: 1326546.9/21

yield_bpm4acX_mean vs Slug



Right In: -1.010+/-0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.914+/-0.000 χ^2/NDF : 674938.4/2

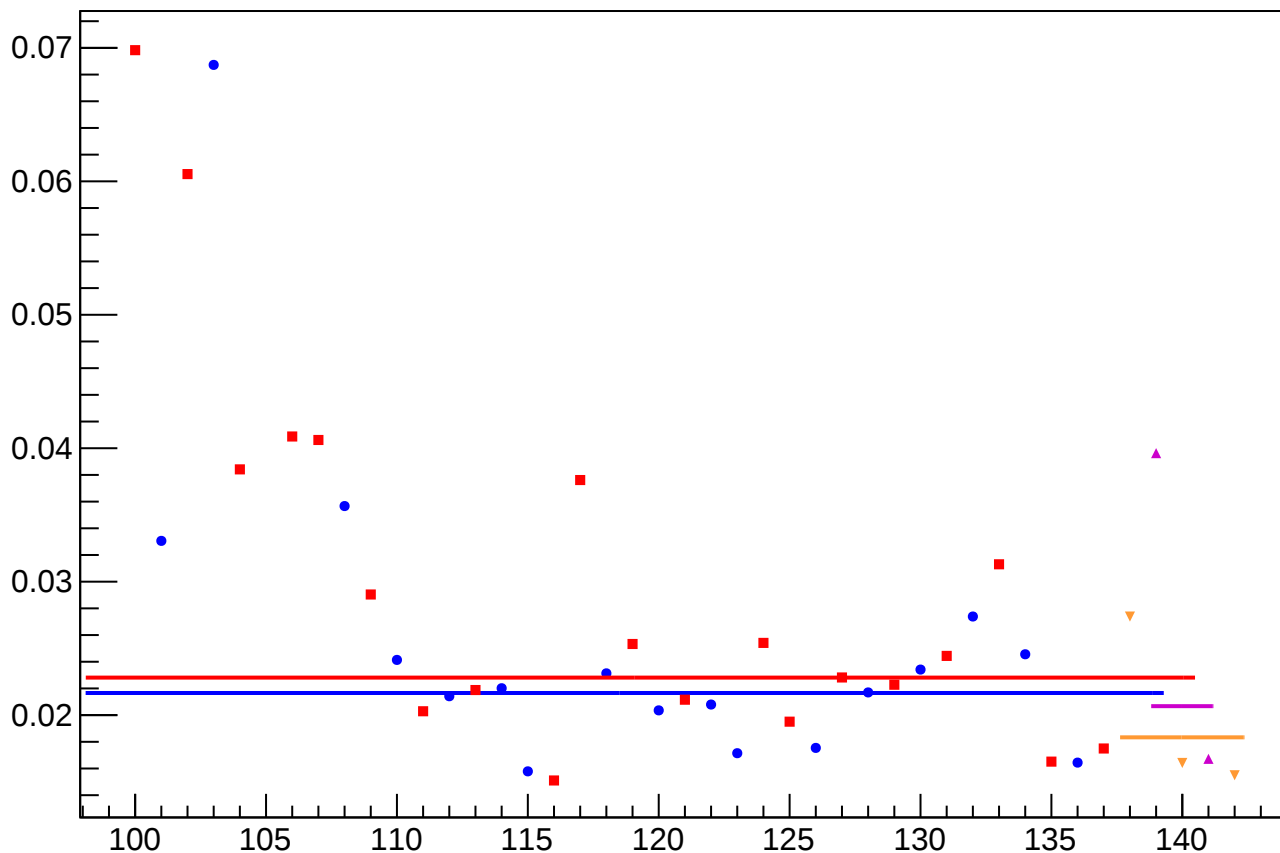
Right Out: -1.042+/-0.000 χ^2/NDF : 530175104.2/19

Left In: -0.907+/-0.000 χ^2/NDF : 2809852.3/1

-0.985+/-0.000 χ^2/NDF : 414640928.5/19

-1.016+/-0.000 χ^2/NDF : 569668629.6/21

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 $\chi^2/\text{NDF}: 983499.8/16$

Left Out: 0.018 ± 0.000 $\chi^2/\text{NDF}: 162527.2/2$

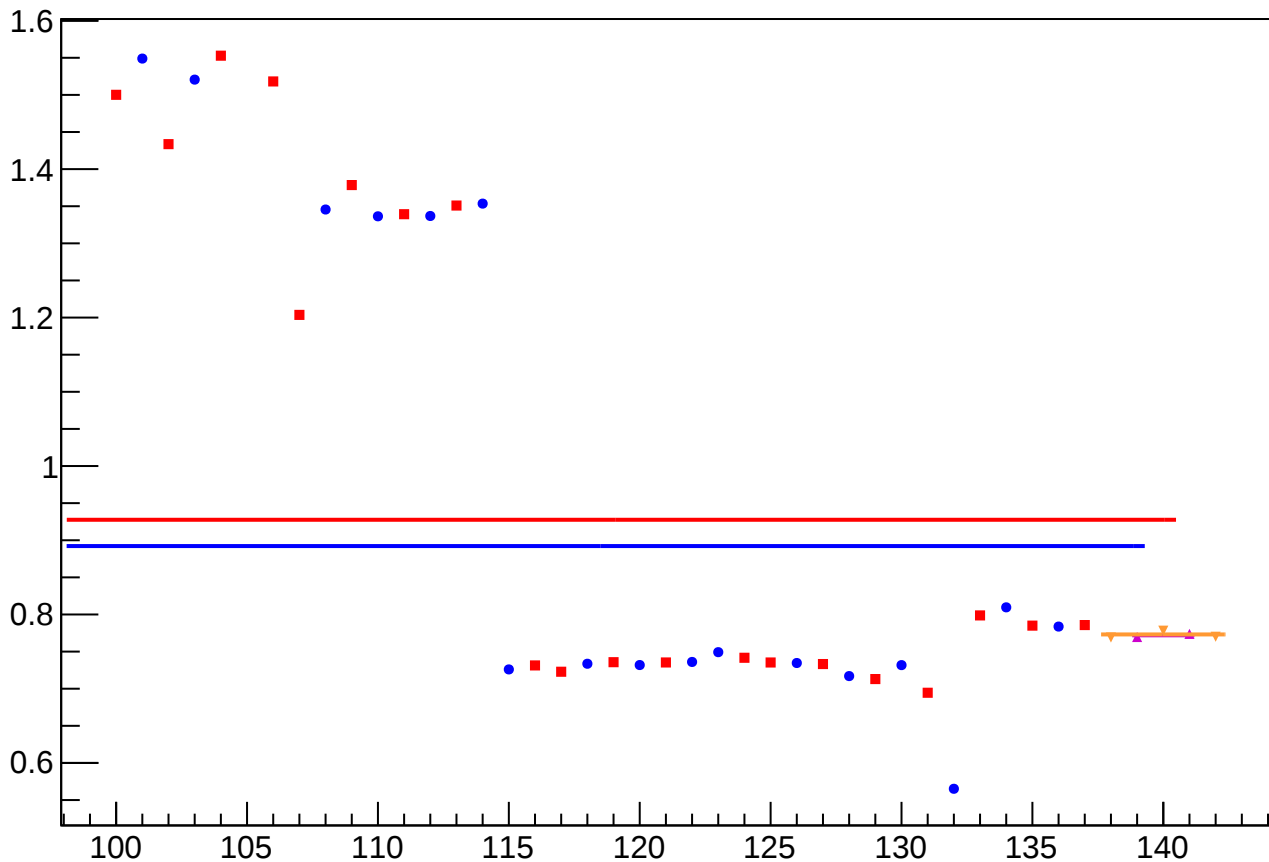
Right Out: 0.023 ± 0.000 $\chi^2/\text{NDF}: 1165116.5/19$

Left In: 0.021 ± 0.000 $\chi^2/\text{NDF}: 374006.1/1$

0.021 ± 0.000 $\chi^2/\text{NDF}: 1209760.9/19$

0.022 ± 0.000 $\chi^2/\text{NDF}: 1557544.6/21$

yield_bpm4acY_mean vs Slug



Right In: 0.892+/-0.000 χ^2/NDF : 2413732173.6/16

Left Out: 0.773+/-0.000 χ^2/NDF :257951.8/2

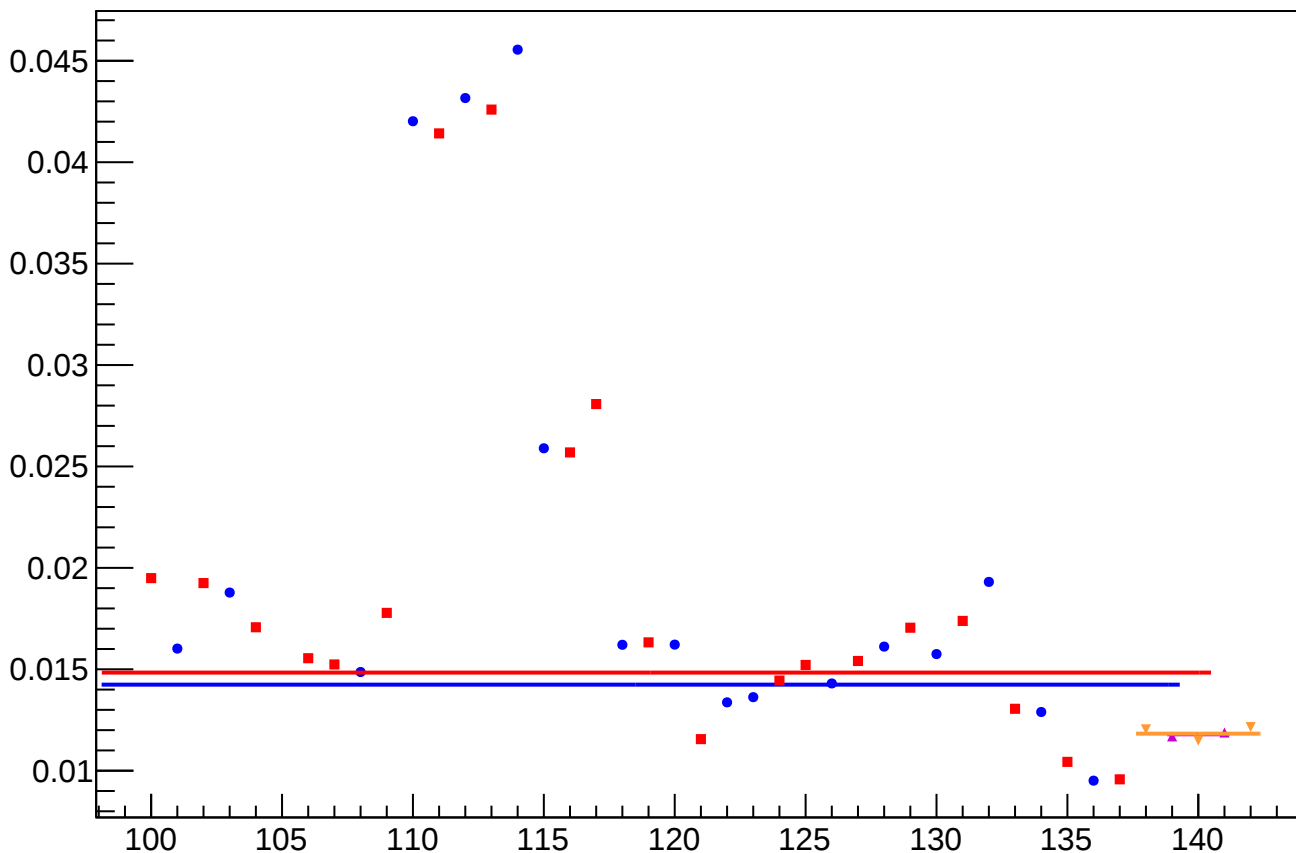
0.853+/-0.000 χ^2/NDF : 2542178462.6/19

Right Out: 0.928+/-0.000 χ^2/NDF : 2439574936.7/19

0.884+/-0.000 χ^2/NDF : 2624823777.6/21

Left In: 0.772+/-0.000 χ^2/NDF :46938.3/1

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1415681.3/16

Left Out: 0.012+/-0.000 χ^2/NDF :2370.5/2

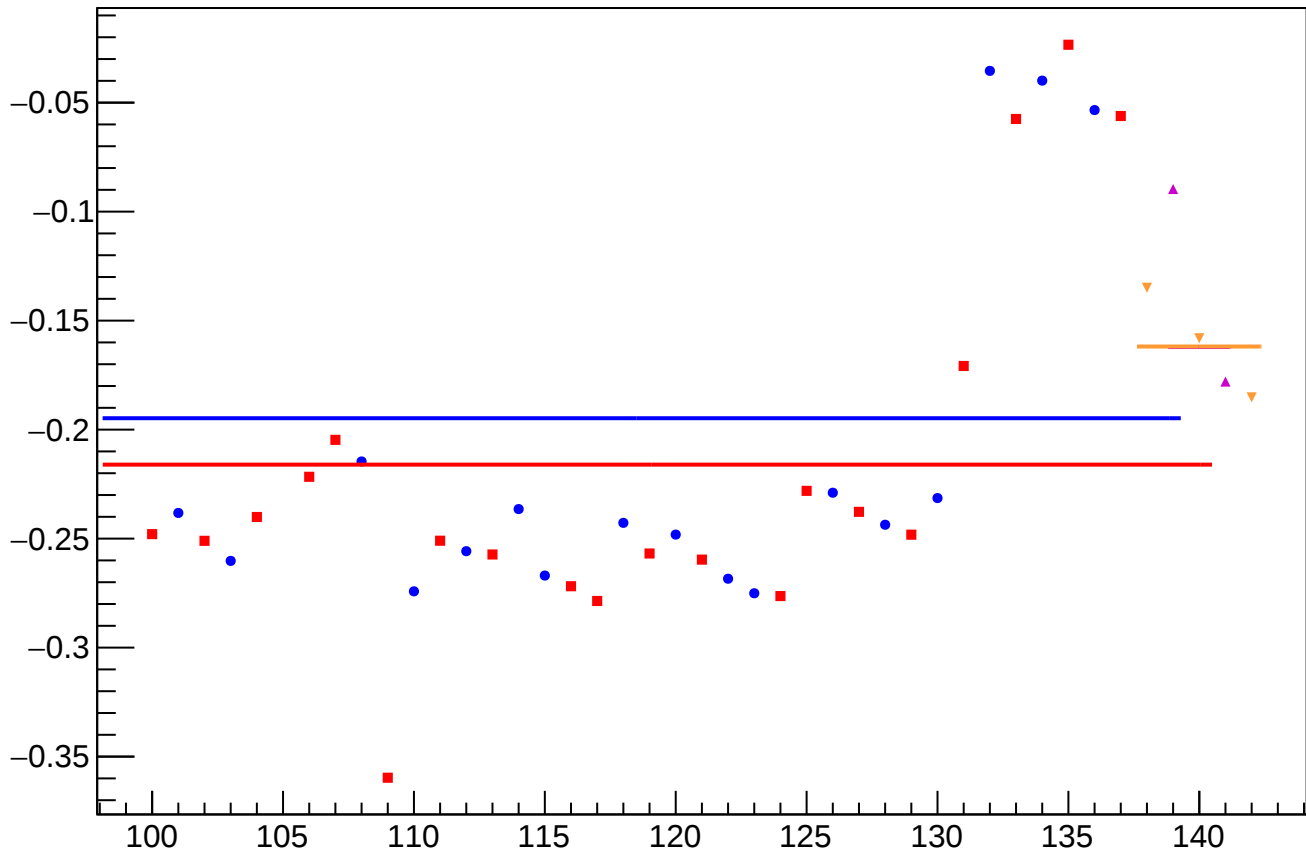
Right Out: 0.015+/-0.000 χ^2/NDF : 1291174.0/19

Left In: 0.012+/-0.000 χ^2/NDF :193.7/1

0.013+/-0.000 χ^2/NDF : 1523639.0/19

0.014+/-0.000 χ^2/NDF : 1432888.1/21

yield_bpm4ecX_mean vs Slug



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.162+/-0.000 χ^2/NDF : 1350229.7/2

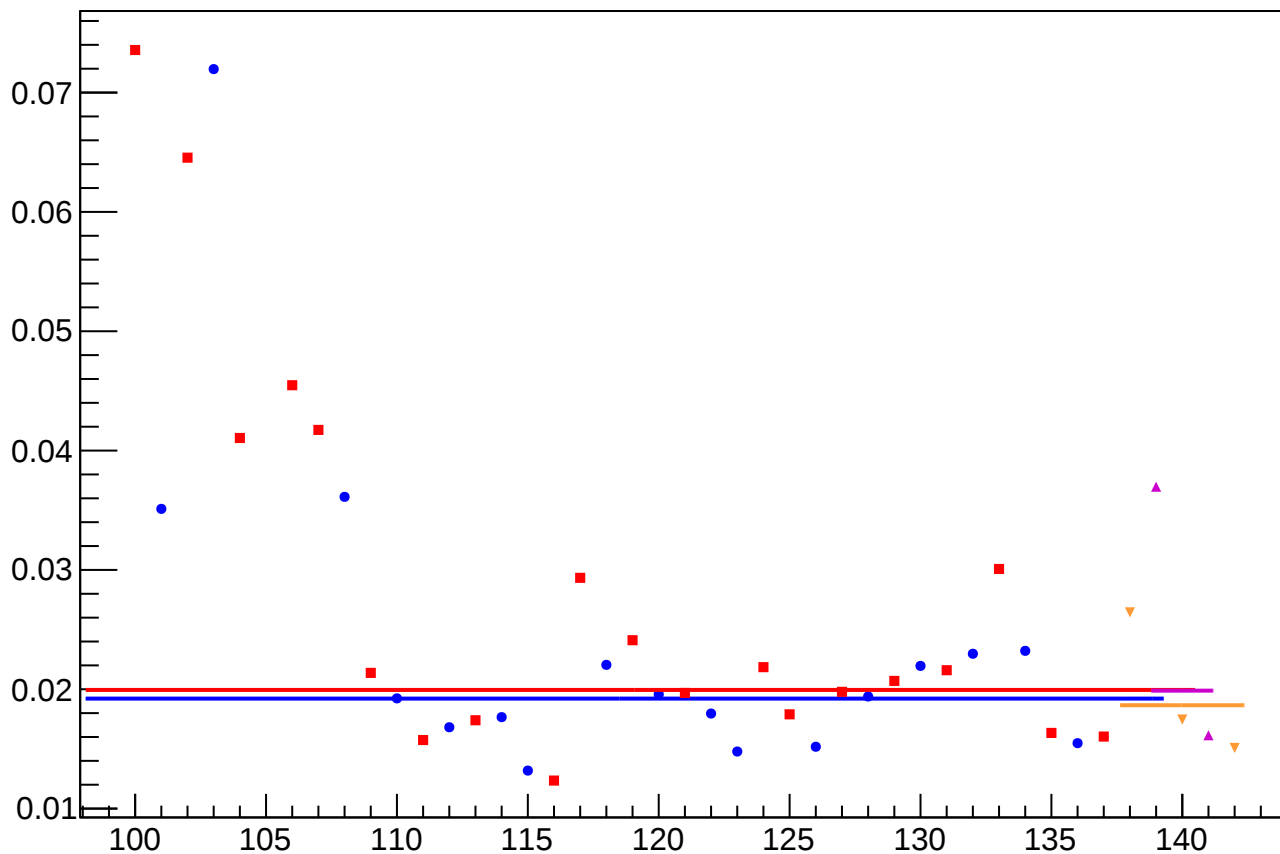
-0.187+/-0.000 χ^2/NDF : 113296581.0/19

Right Out: -0.216+/-0.000 χ^2/NDF : 112167032.2/19

-0.207+/-0.000 χ^2/NDF : 121938690.4/21

Left In: -0.162+/-0.000 χ^2/NDF : 3157030.9/1

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1177085.4/16

Left Out: 0.019+/-0.000 χ^2/NDF : 142385.7/2

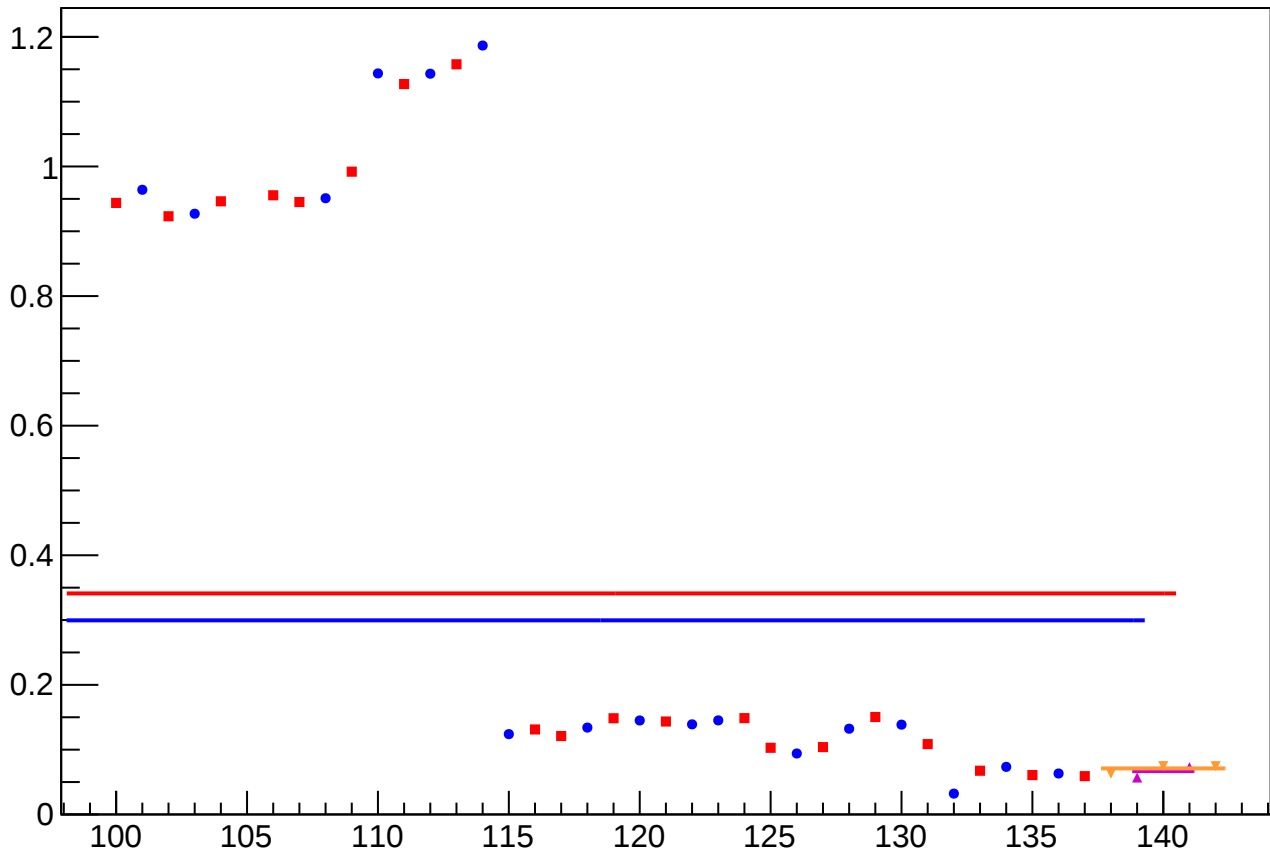
Right Out: 0.020+/-0.000 χ^2/NDF : 1455211.7/19

Left In: 0.020+/-0.000 χ^2/NDF : 351007.1/1

0.019+/-0.000 χ^2/NDF : 1321349.9/19

0.020+/-0.000 χ^2/NDF : 1806235.0/21

yield_bpm4ecY_mean vs Slug



Right In: 0.300+/-0.000 χ^2/NDF : 5165052137.6/16

Left Out: 0.071+/-0.000 χ^2/NDF : 397827.7/2

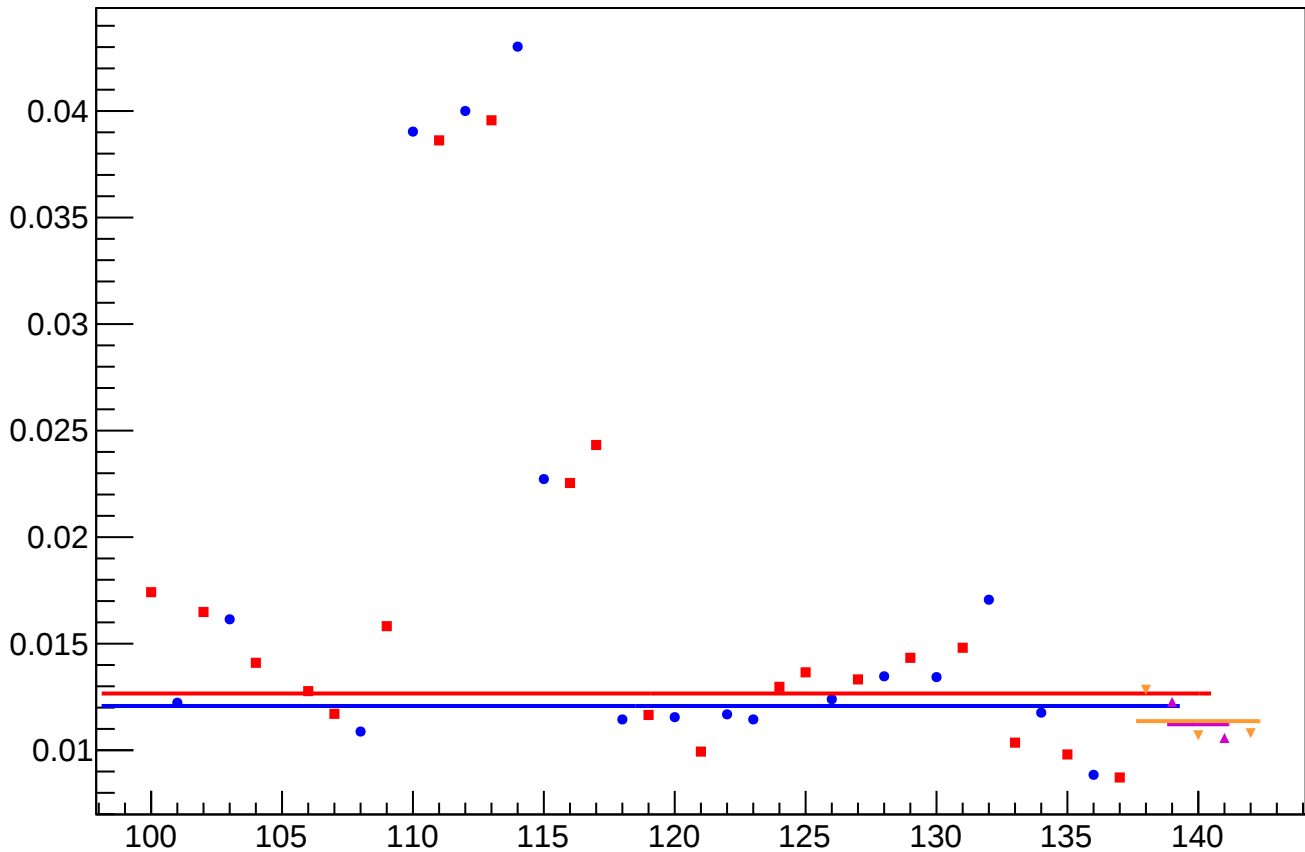
0.238+/-0.000 χ^2/NDF : 5709458746.4/19

Right Out: 0.341+/-0.000 χ^2/NDF : 5453748737.7/19

0.276+/-0.000 χ^2/NDF : 6114903413.5/21

Left In: 0.067+/-0.000 χ^2/NDF : 686159.0/1

yield_bpm4ecY_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1282097.7/16

Left Out: 0.011 ± 0.000 χ^2/NDF : 26583.8/2

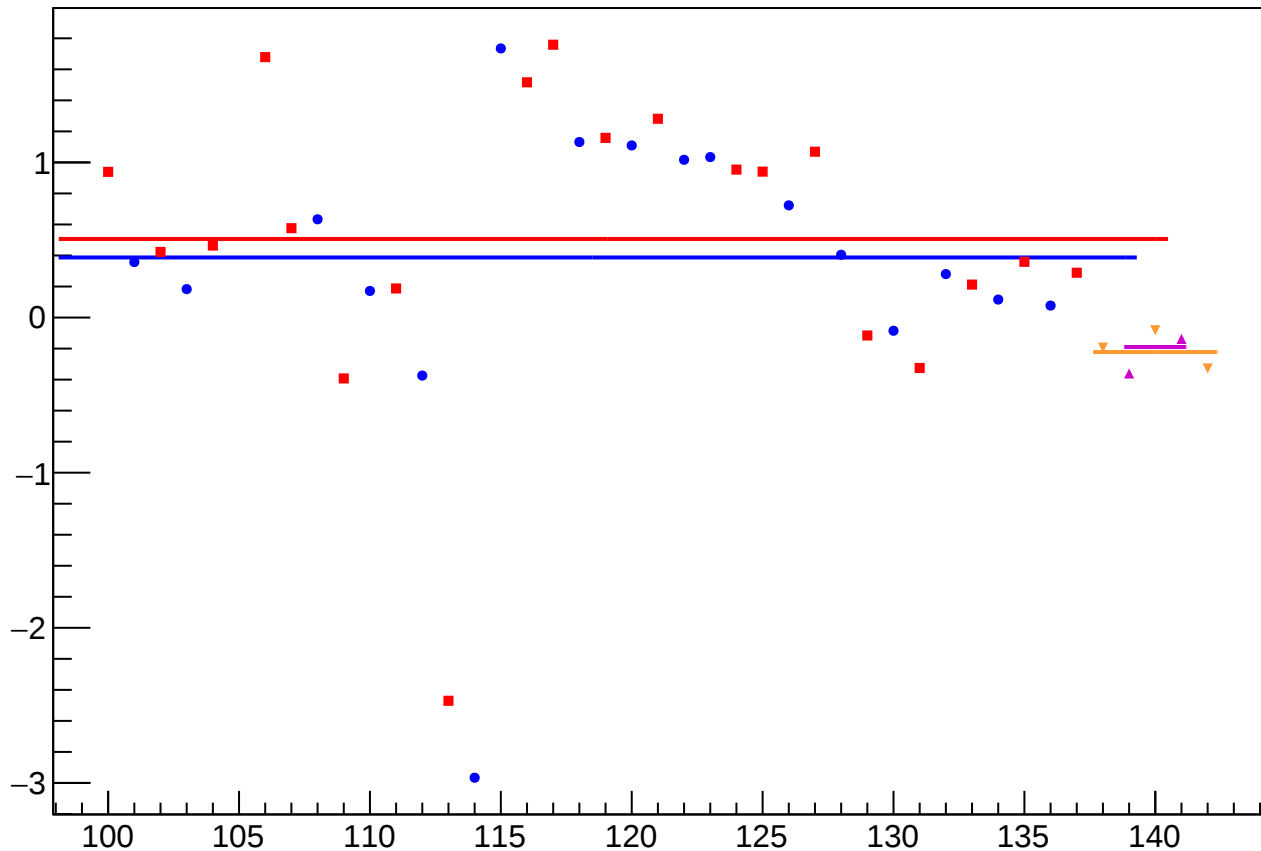
Right Out: 0.013 ± 0.000 χ^2/NDF : 1255391.1/19

Left In: 0.011 ± 0.000 χ^2/NDF : 15564.2/1

0.012 ± 0.000 χ^2/NDF : 1319191.8/19

0.012 ± 0.000 χ^2/NDF : 1307615.1/21

yield_bpm1X_mean vs Slug



Right In: 0.387 ± 0.000 χ^2/NDF : 247912593.5/16

Left Out: -0.222 ± 0.000 χ^2/NDF : 2977384.2/2

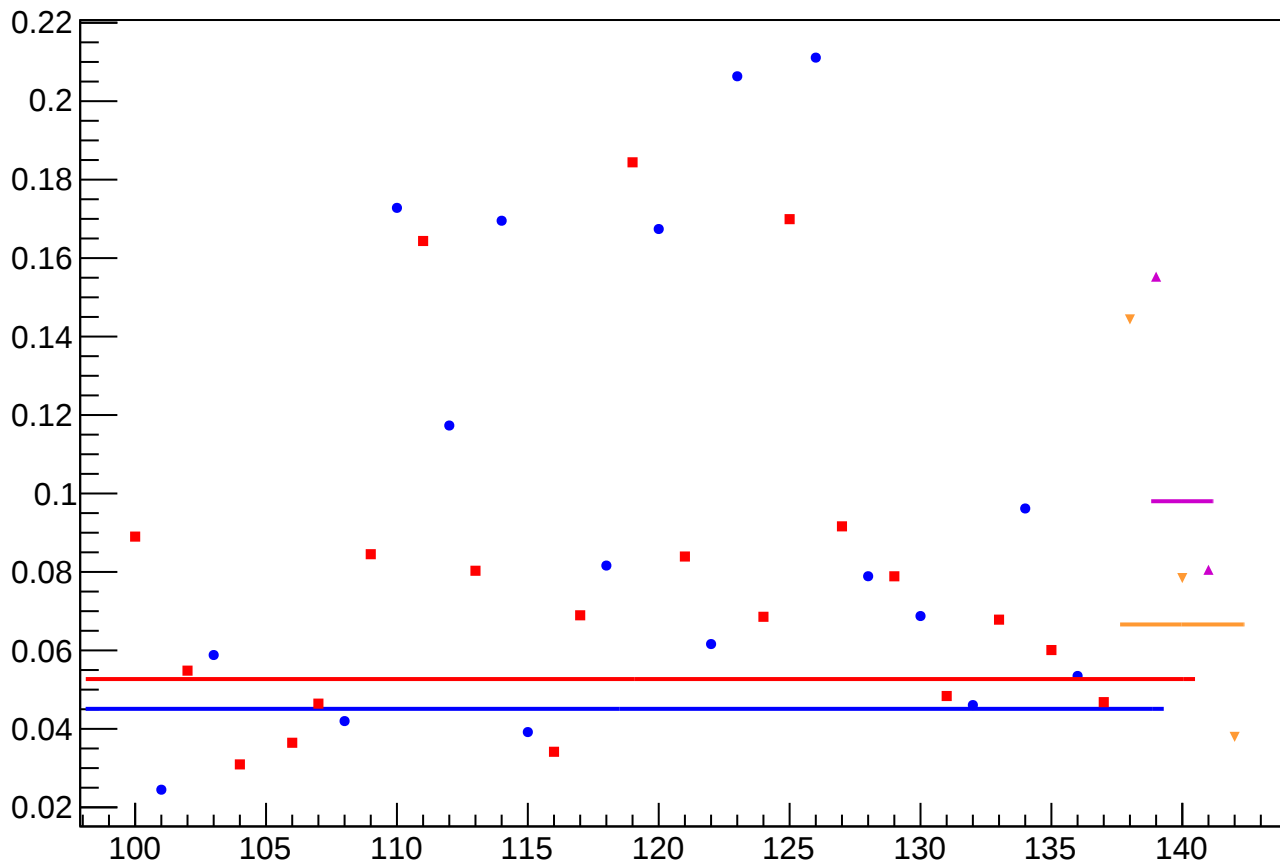
Right Out: 0.507 ± 0.000 χ^2/NDF : 995347030.4/19

Left In: -0.190 ± 0.000 χ^2/NDF : 929775.5/1

0.316 ± 0.000 χ^2/NDF : 326890036.3/19

0.461 ± 0.000 χ^2/NDF : 1043785127.0/21

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2846218.9/16

Left Out: 0.067+/-0.000 χ^2/NDF :590026.1/2

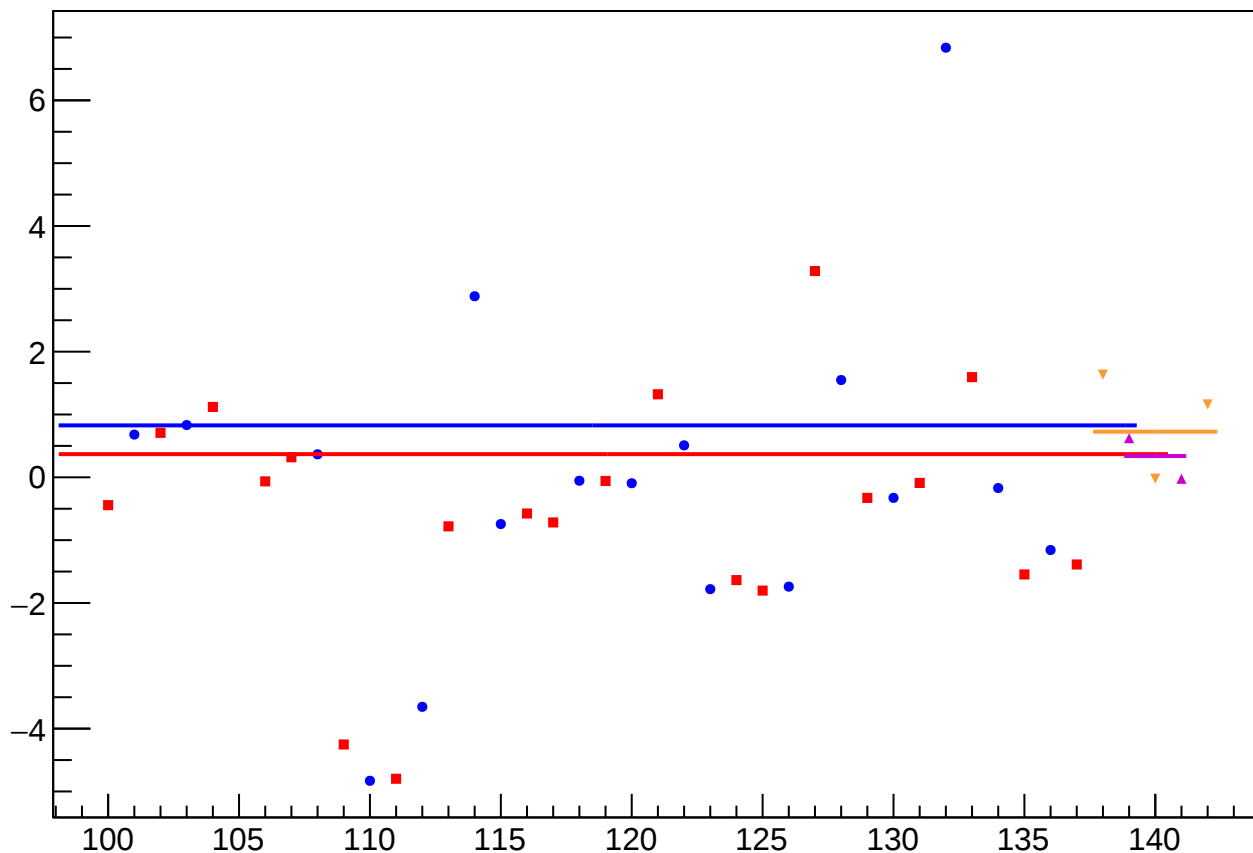
Right Out: 0.053+/-0.000 χ^2/NDF : 2194555.4/19

Left In: 0.098+/-0.000 χ^2/NDF :209592.7/1

0.048+/-0.000 χ^2/NDF : 3625531.4/19

0.056+/-0.000 χ^2/NDF : 2806544.9/21

yield_bpm1Y_mean vs Slug



Right In: 0.827 ± 0.000 χ^2/NDF : 10936458870.4/16

Left Out: 0.726 ± 0.000 χ^2/NDF : 157334201.3/2

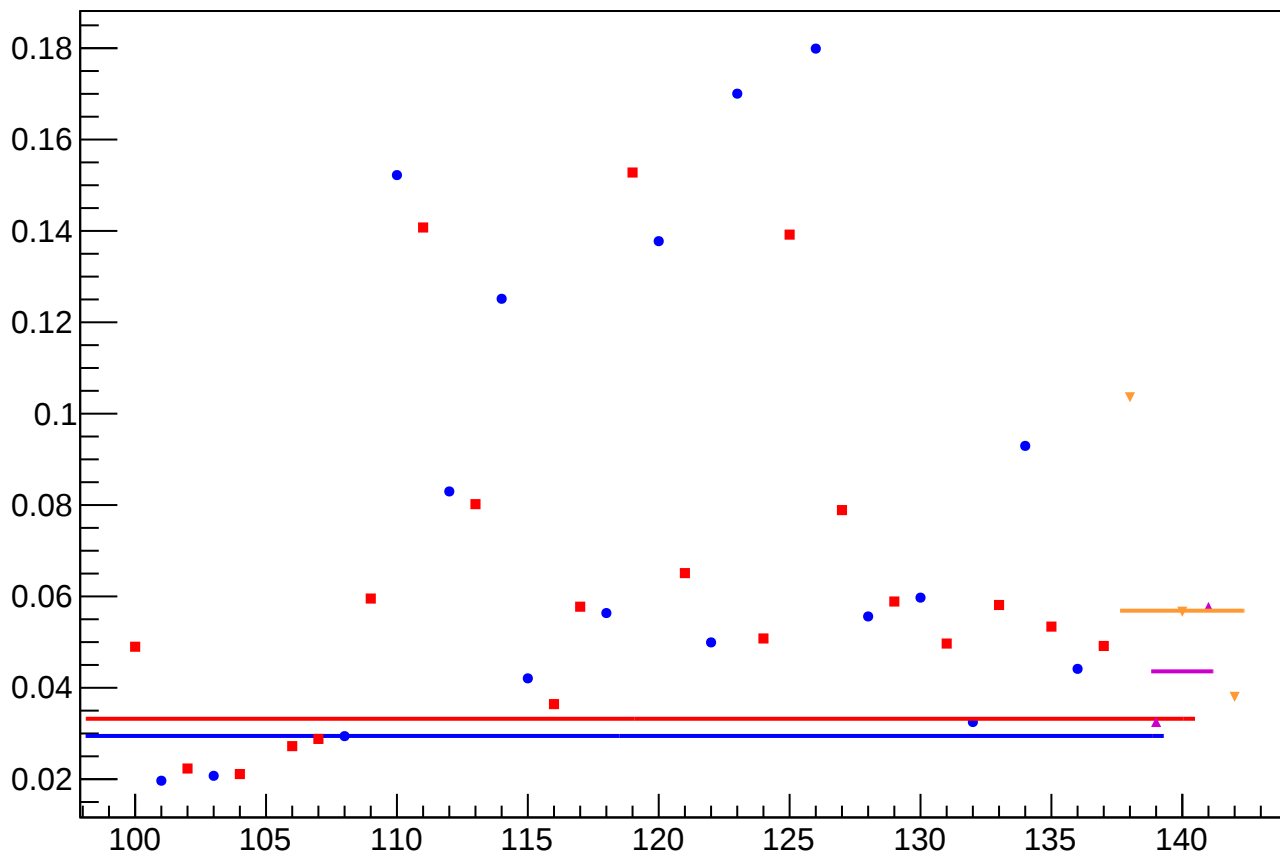
Right Out: 0.369 ± 0.000 χ^2/NDF : 4985860510.0/19

Left In: 0.339 ± 0.000 χ^2/NDF : 33221970.2/1

0.818 ± 0.000 χ^2/NDF : 11096988545.6/19

0.366 ± 0.000 χ^2/NDF : 5019350549.7/21

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.057+/-0.000 χ^2/NDF :348743.0/2

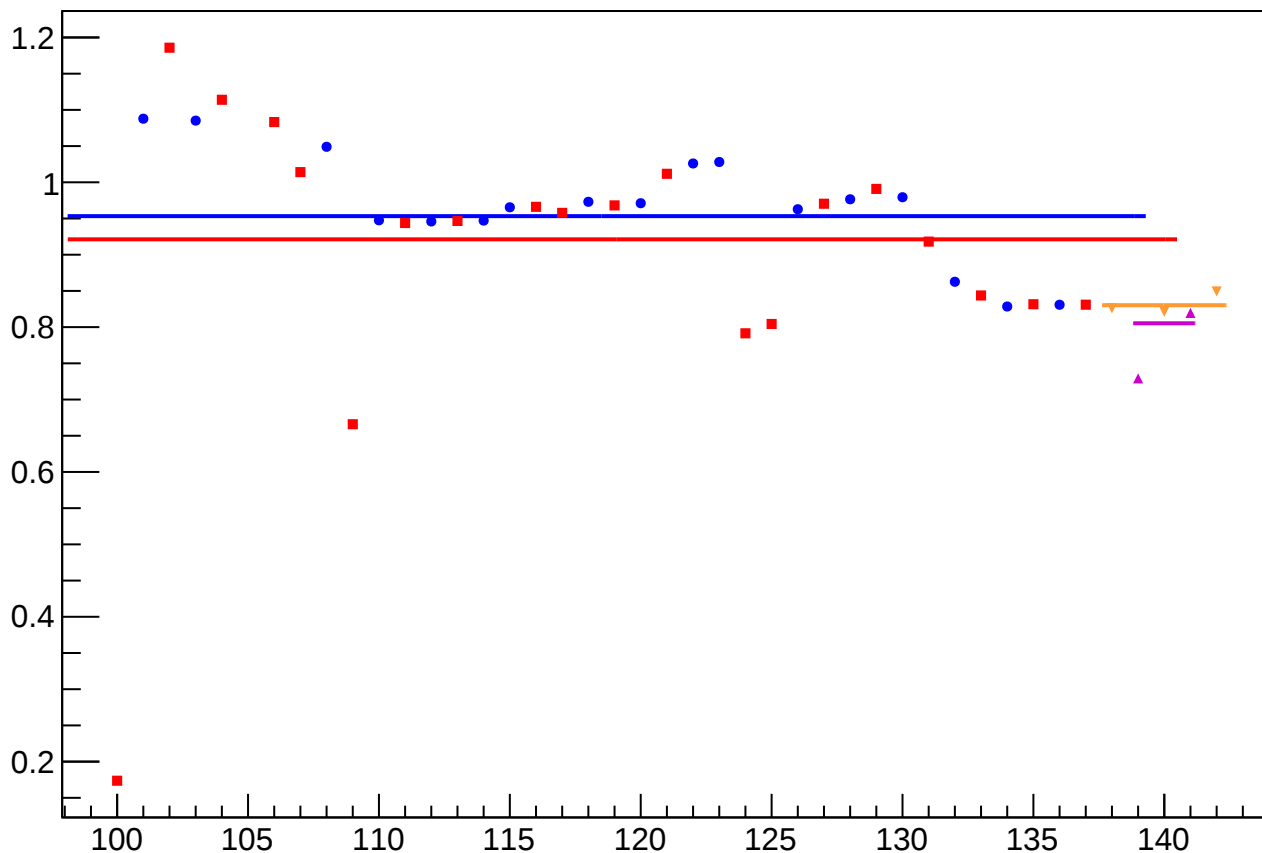
Right Out: 0.033+/-0.000 χ^2/NDF : 3110014.7/19

Left In: 0.044+/-0.000 χ^2/NDF :100824.1/1

0.032+/-0.000 χ^2/NDF : 3882139.2/19

0.034+/-0.000 χ^2/NDF : 3274471.2/21

yield_bpm11X_mean vs Slug



Right In: 0.953+/-0.000 χ^2/NDF : 175396553.4/16

Left Out: 0.830+/-0.000 χ^2/NDF :1419315.8/2

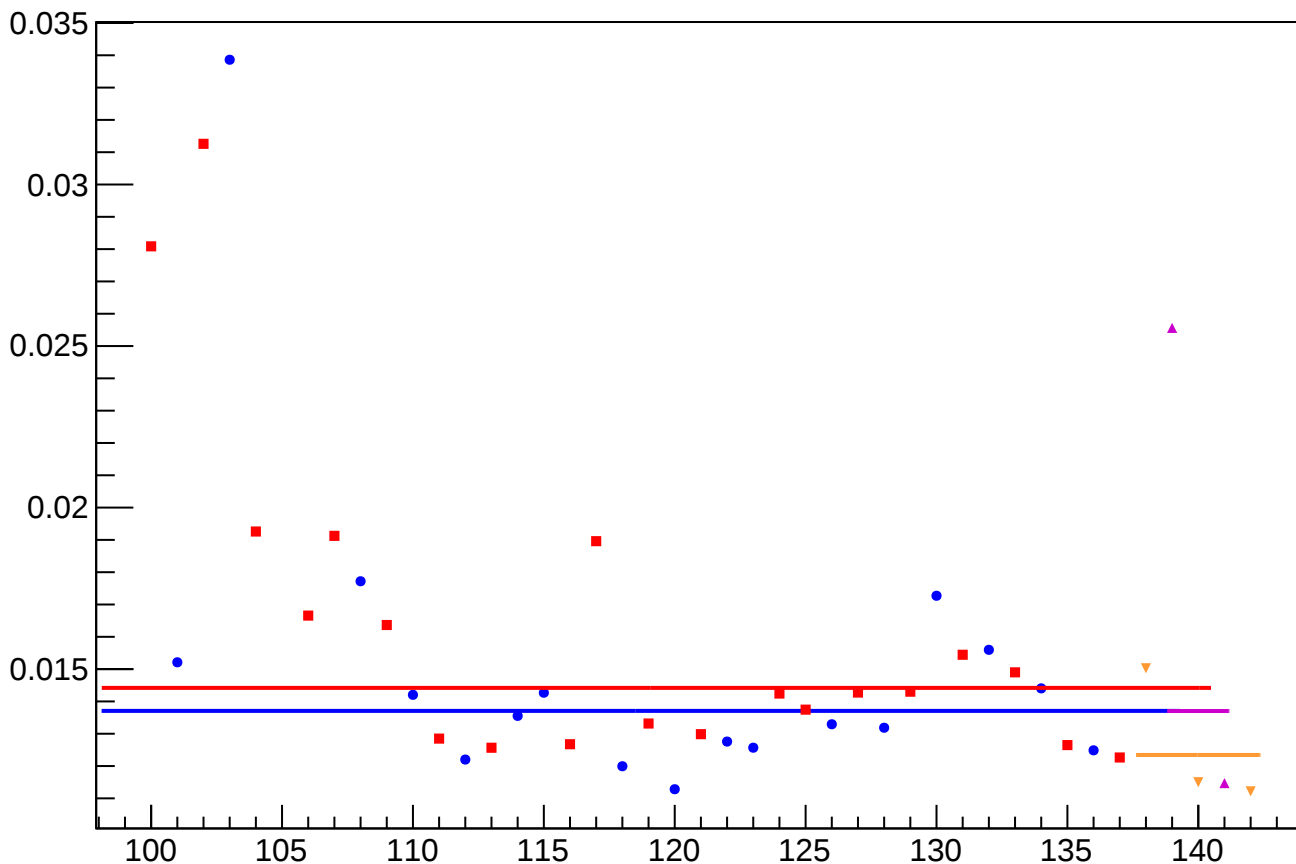
Right Out: 0.921+/-0.000 χ^2/NDF : 374376205.4/19

Left In: 0.805+/-0.000 χ^2/NDF :6922597.8/1

0.923+/-0.000 χ^2/NDF : 290695018.6/19

0.901+/-0.000 χ^2/NDF : 451525446.7/21

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 546317.6/16

Left Out: 0.012+/-0.000 χ^2/NDF : 51013.7/2

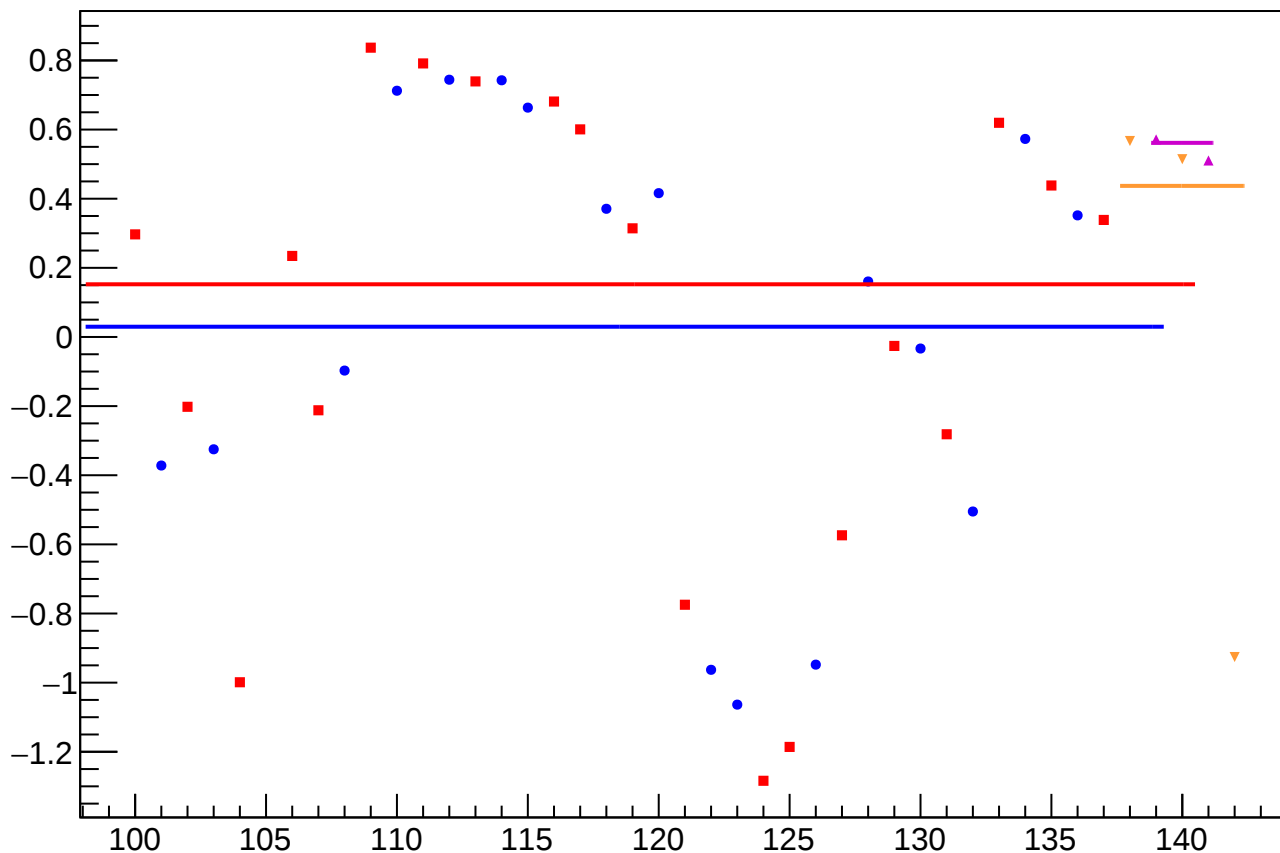
Right Out: 0.014+/-0.000 χ^2/NDF : 506553.4/19

Left In: 0.014+/-0.000 χ^2/NDF : 336179.3/1

0.013+/-0.000 χ^2/NDF : 625359.7/19

0.014+/-0.000 χ^2/NDF : 848094.4/21

yield_bpm11Y_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 6294824795.0/16

Left Out: 0.437 $\pm$ 0.000 χ^2 /NDF:3877668087.7/2

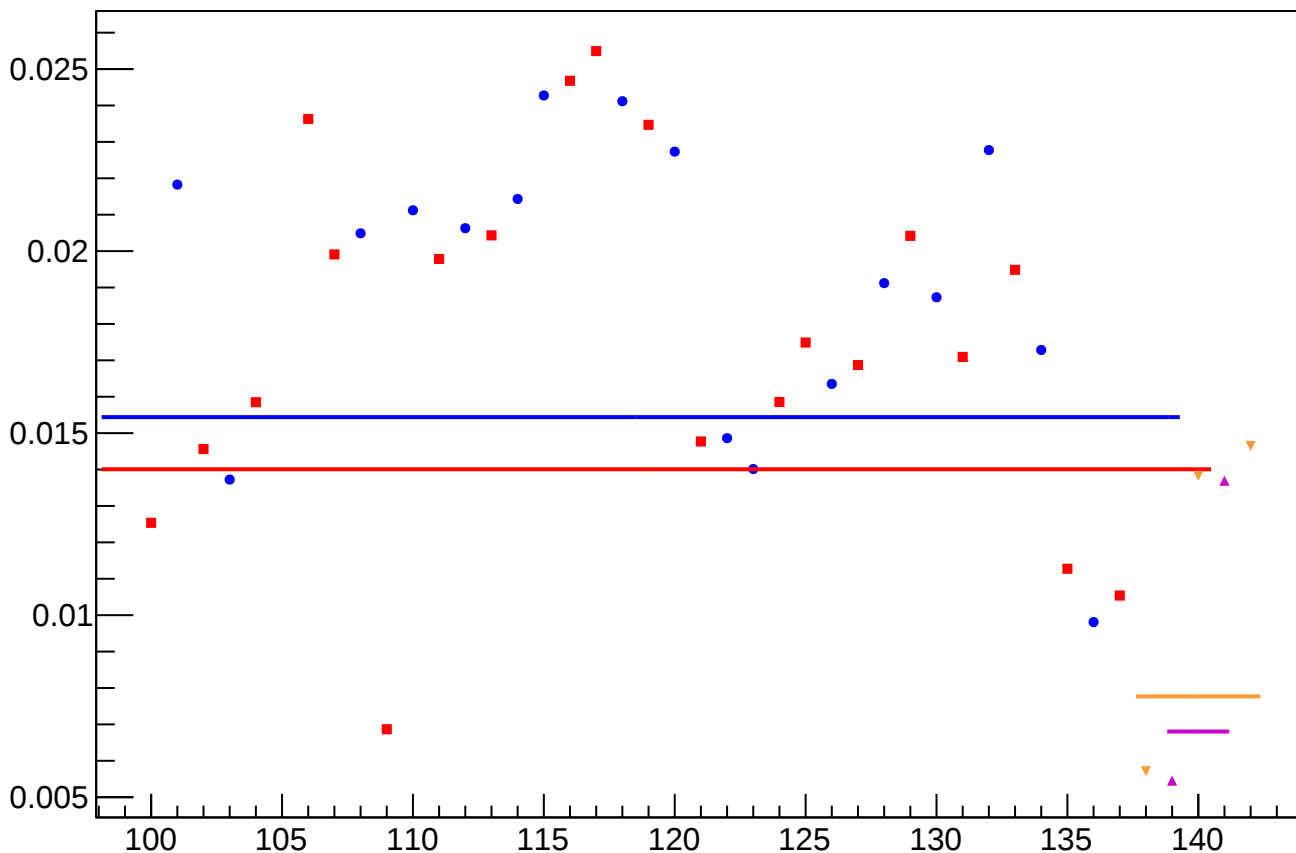
Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12673501089.9/19

Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:12927596.7/1

0.233 $\pm$ 0.000 χ^2 /NDF: 12135341848.8/19

0.345 $\pm$ 0.000 χ^2 /NDF: 14941637819.4/21

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.008+/-0.000 χ^2/NDF : 615276.3/2

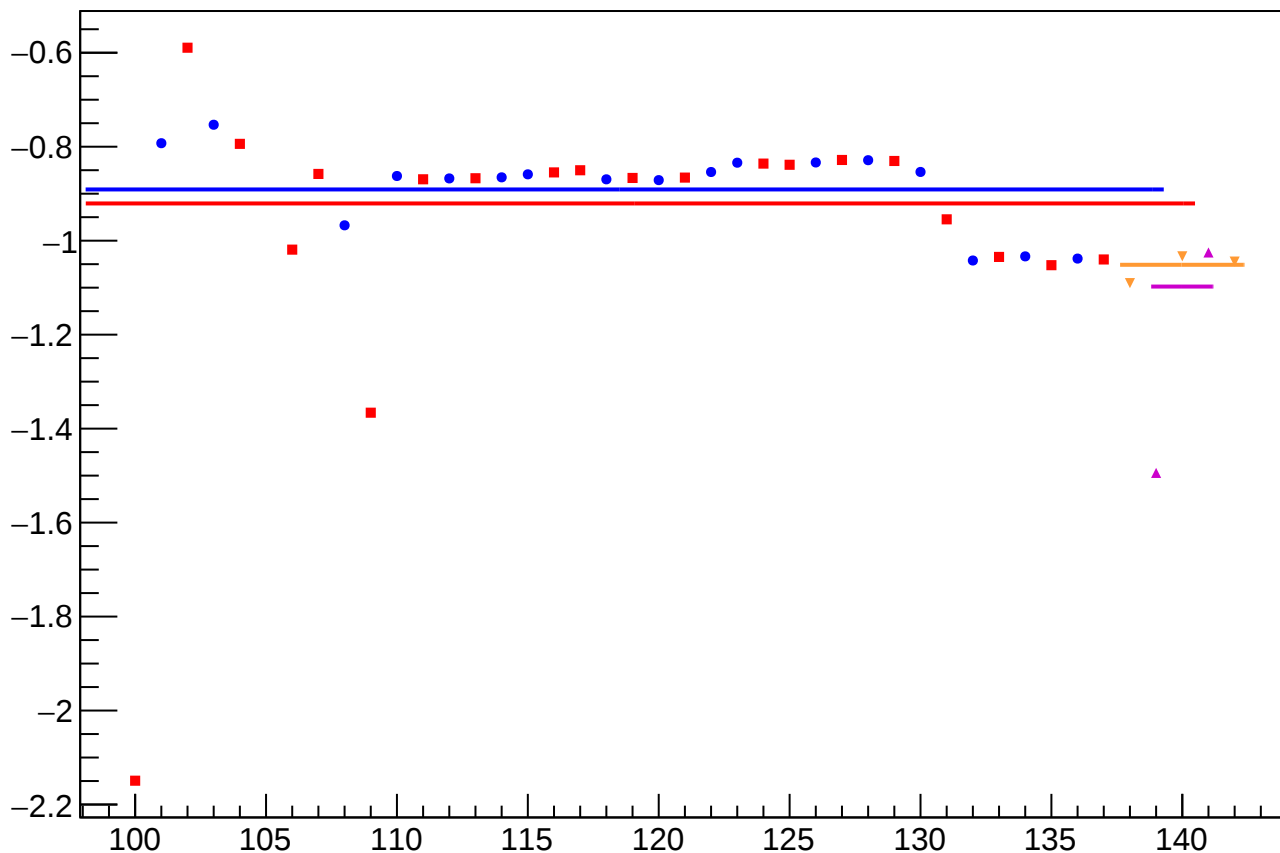
Right Out: 0.014+/-0.000 χ^2/NDF : 1576149.9/19

Left In: 0.007+/-0.000 χ^2/NDF : 471642.4/1

0.012+/-0.000 χ^2/NDF : 3168586.4/19

0.011+/-0.000 χ^2/NDF : 3445737.3/21

yield_bpm12X_mean vs Slug



Right In: -0.891 $\pm$ 0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.051 $\pm$ 0.000 χ^2/NDF : 859921.1/2

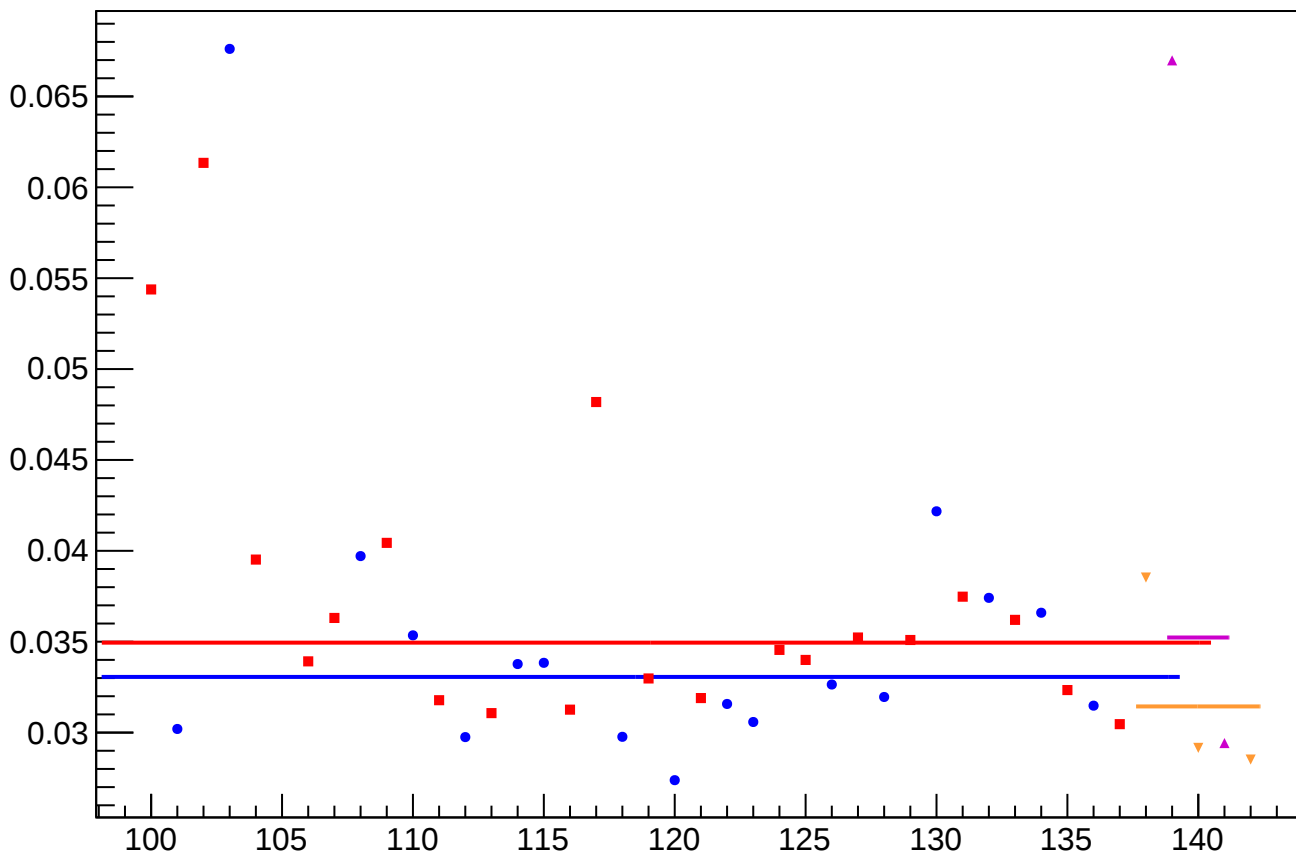
Right Out: -0.921 $\pm$ 0.000 χ^2/NDF : 131271770.4/19

Left In: -1.098 $\pm$ 0.000 χ^2/NDF : 27240665.6/1

-0.927 $\pm$ 0.000 χ^2/NDF : 71055616.5/19

-0.949 $\pm$ 0.000 χ^2/NDF : 183474821.5/21

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 409286.7/16

Left Out: 0.031+/-0.000 χ^2/NDF :54888.1/2

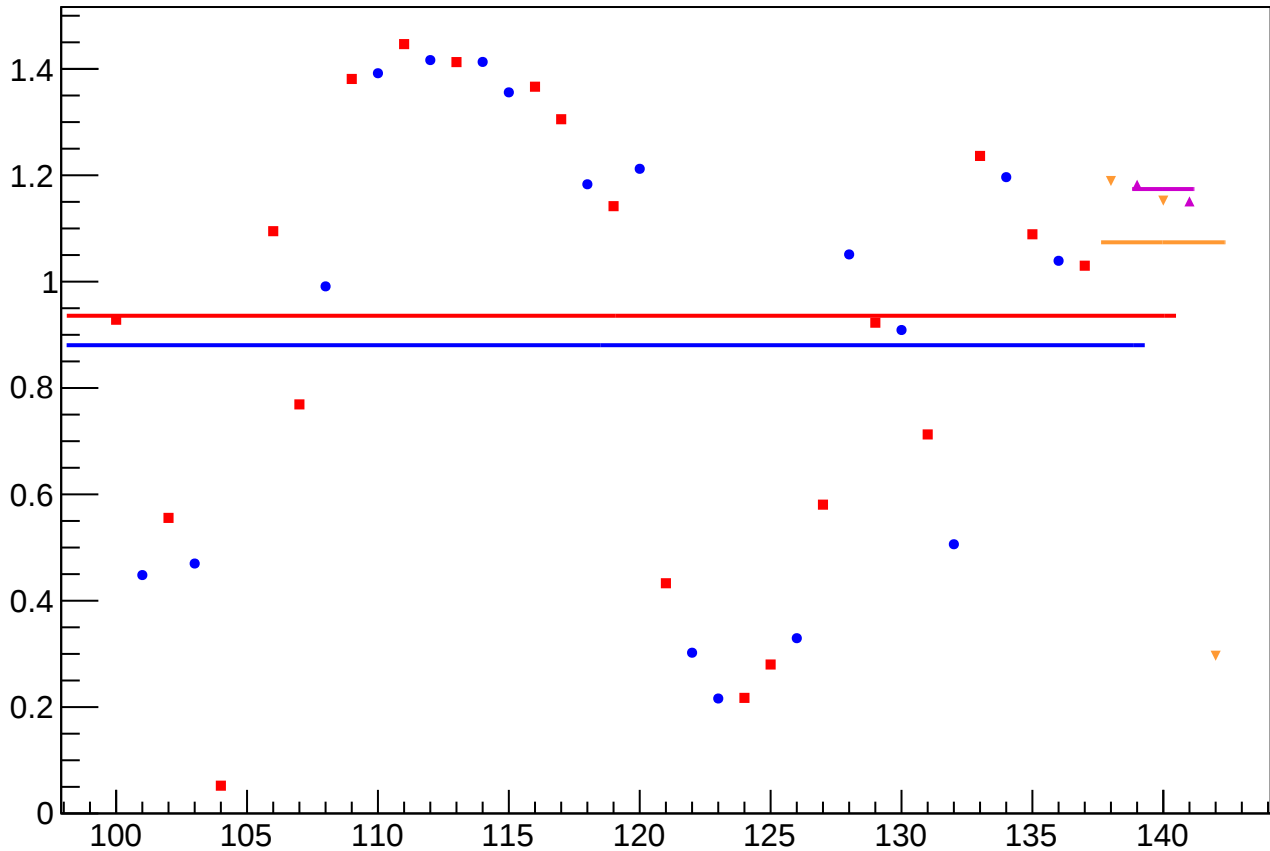
Right Out: 0.035+/-0.000 χ^2/NDF : 280500.4/19

Left In: 0.035+/-0.000 χ^2/NDF :349260.4/1

0.033+/-0.000 χ^2/NDF : 470452.6/19

0.035+/-0.000 χ^2/NDF : 629888.6/21

yield_bpm12Y_mean vs Slug



Right In: 0.880+/-0.000 χ^2/NDF : 6400108121.4/16

Left Out: 1.074+/-0.000 χ^2/NDF :2975820496.6/2

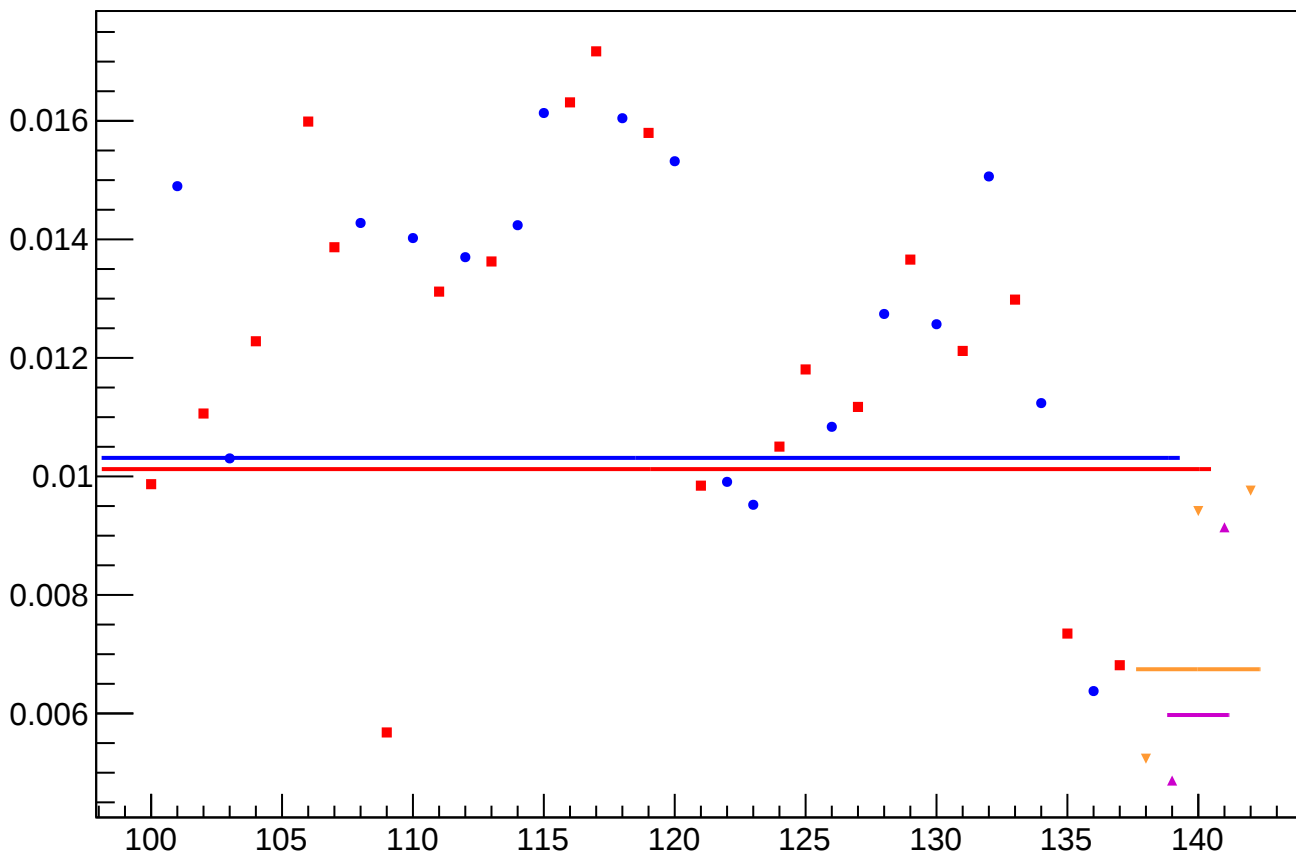
0.959+/-0.000 χ^2/NDF : 10178965112.8/19

Right Out: 0.936+/-0.000 χ^2/NDF : 9851303698.9/19

1.028+/-0.000 χ^2/NDF : 11115295466.3/21

Left In: 1.174+/-0.000 χ^2/NDF :6794092.3/1

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 1231066.2/16

Left Out: 0.007+/-0.000 χ^2/NDF :304929.2/2

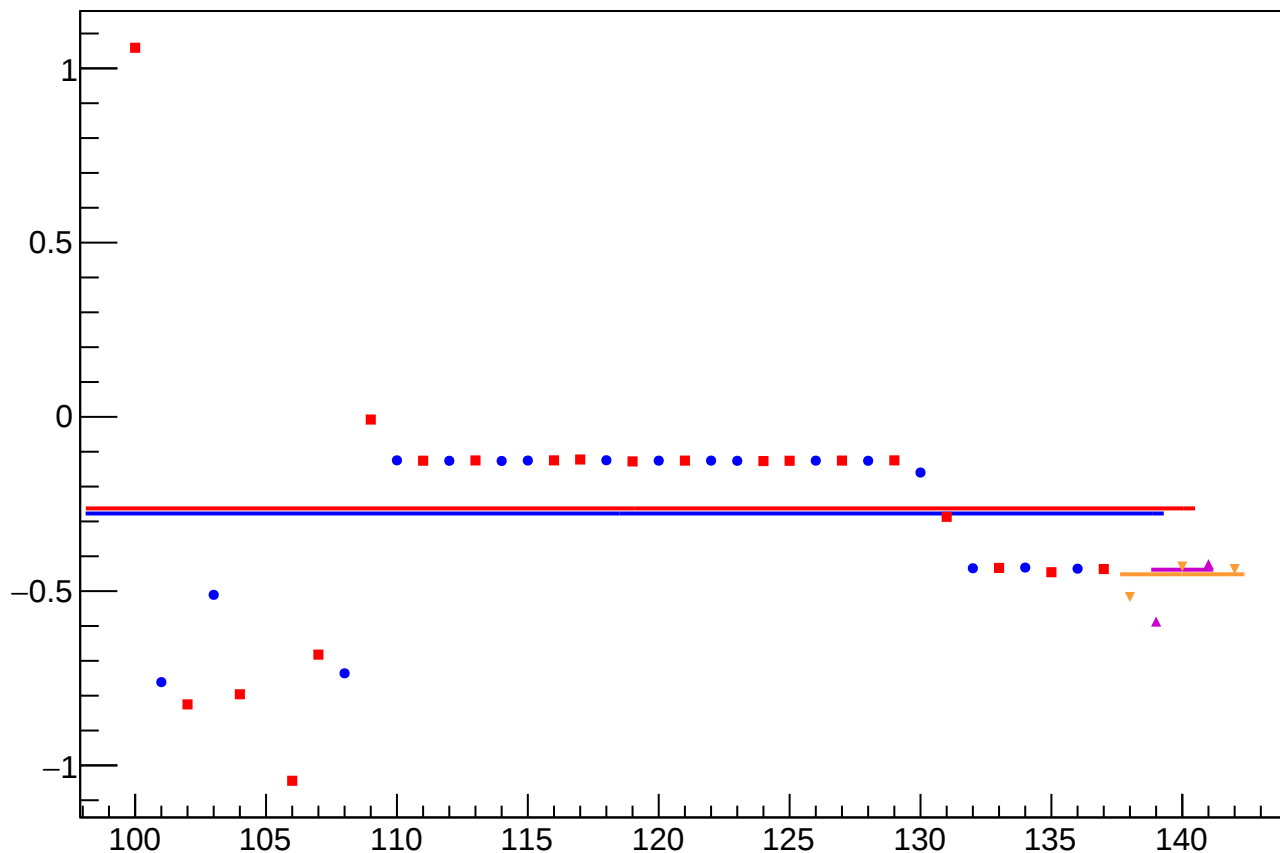
0.009+/-0.000 χ^2/NDF : 2081785.2/19

Right Out: 0.010+/-0.000 χ^2/NDF : 1191429.9/19

0.009+/-0.000 χ^2/NDF : 2207238.4/21

Left In: 0.006+/-0.000 χ^2/NDF :253023.8/1

yield_bpm16X_mean vs Slug



Right In: -0.277 ± 0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.452 ± 0.000 χ^2/NDF : 20214571.8/2

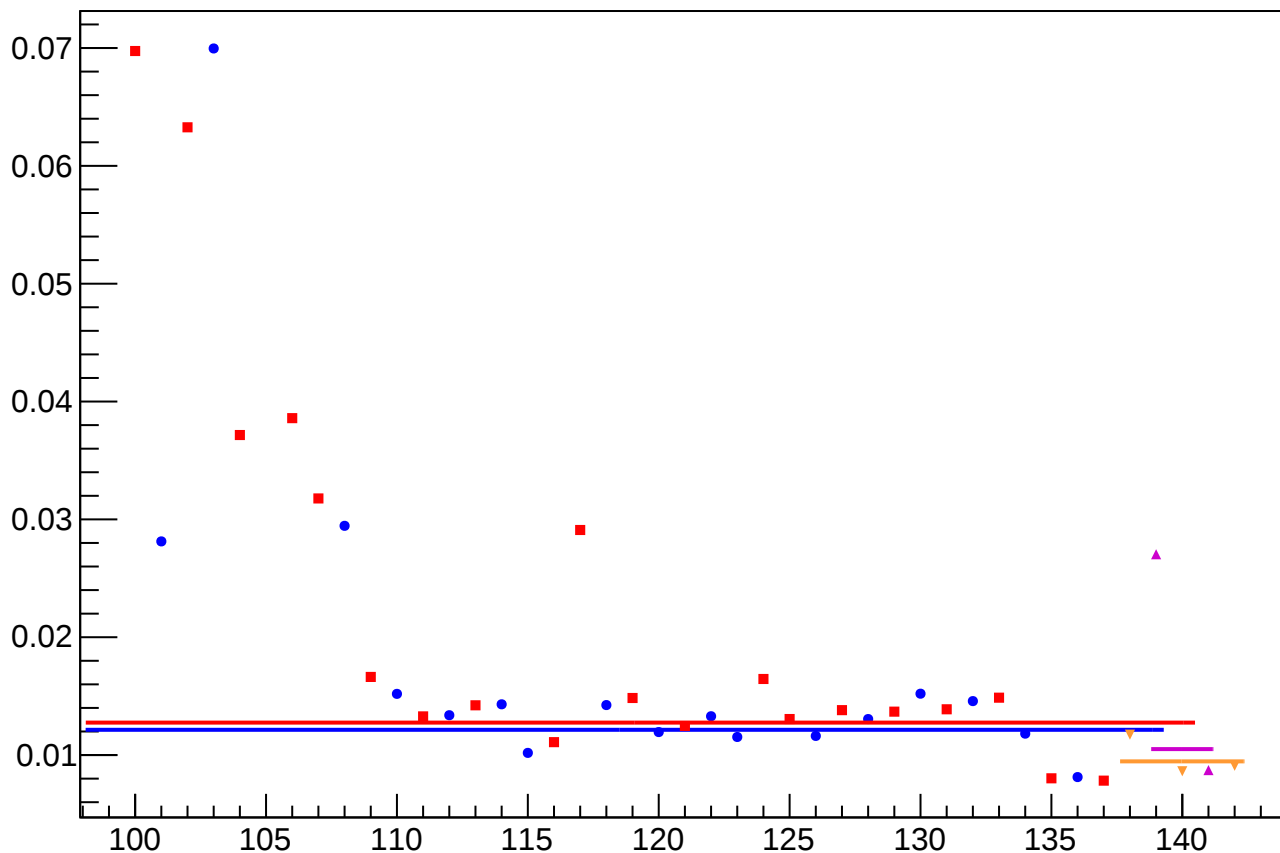
Right Out: -0.263 ± 0.000 χ^2/NDF : 1009303829.9/19

Left In: -0.438 ± 0.000 χ^2/NDF : 22315831.8/1

-0.335 ± 0.000 χ^2/NDF : 1280886433.4/19

-0.304 ± 0.000 χ^2/NDF : 1251744736.2/21

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1727494.7/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 49570.1/2

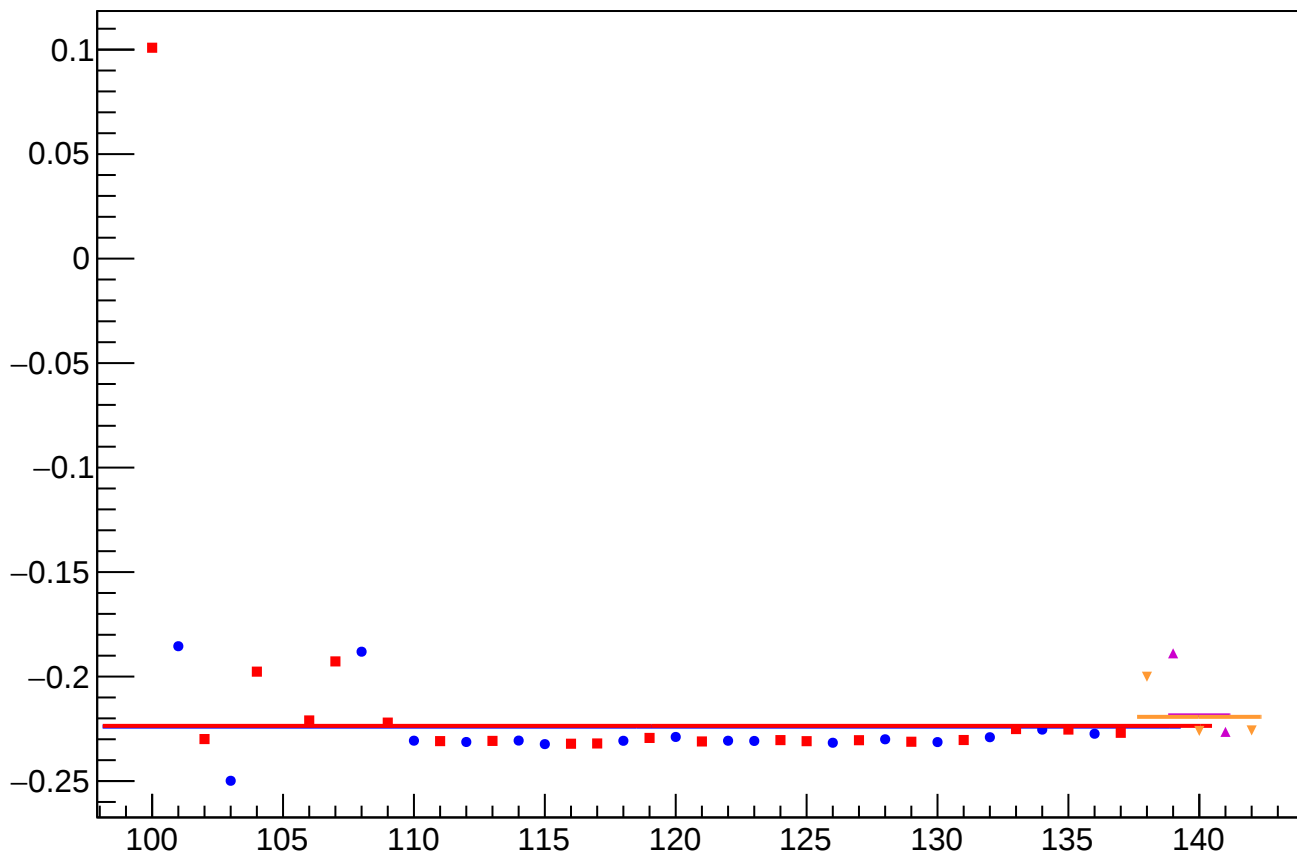
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1993726.2/19

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 550771.7/1

0.011 $\pm$ 0.000 χ^2 /NDF: 1927946.4/19

0.012 $\pm$ 0.000 χ^2 /NDF: 2616499.8/21

yield_bpm16Y_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF : 74704721.6/16

Left Out: -0.219+/-0.000 χ^2/NDF :10057406.1/2

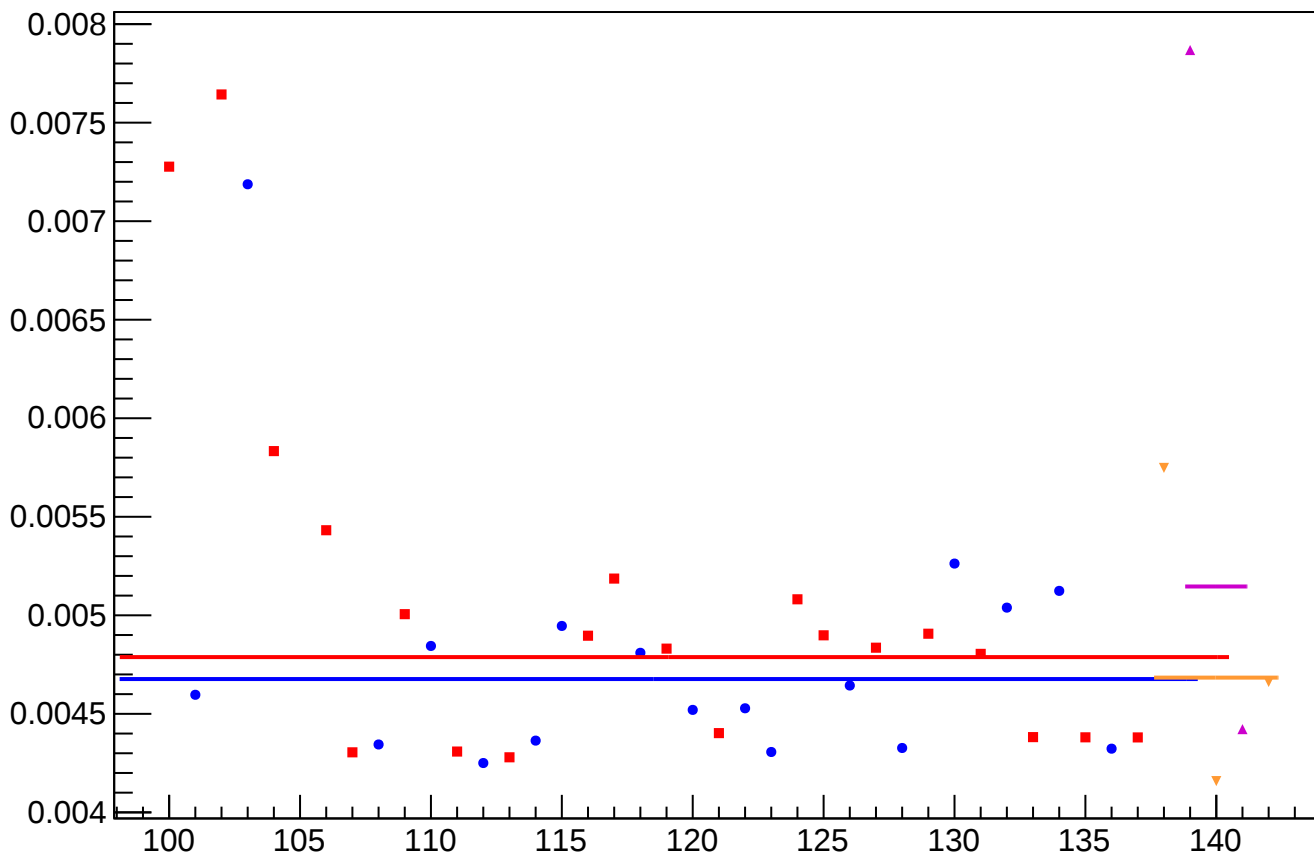
Right Out: -0.224+/-0.000 χ^2/NDF : 168231258.4/19

Left In: -0.219+/-0.000 χ^2/NDF :11575416.3/1

-0.223+/-0.000 χ^2/NDF : 86099101.6/19

-0.223+/-0.000 χ^2/NDF : 180868256.3/21

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 181335.1/16

Left Out: 0.005+/-0.000 χ^2/NDF : 68132.6/2

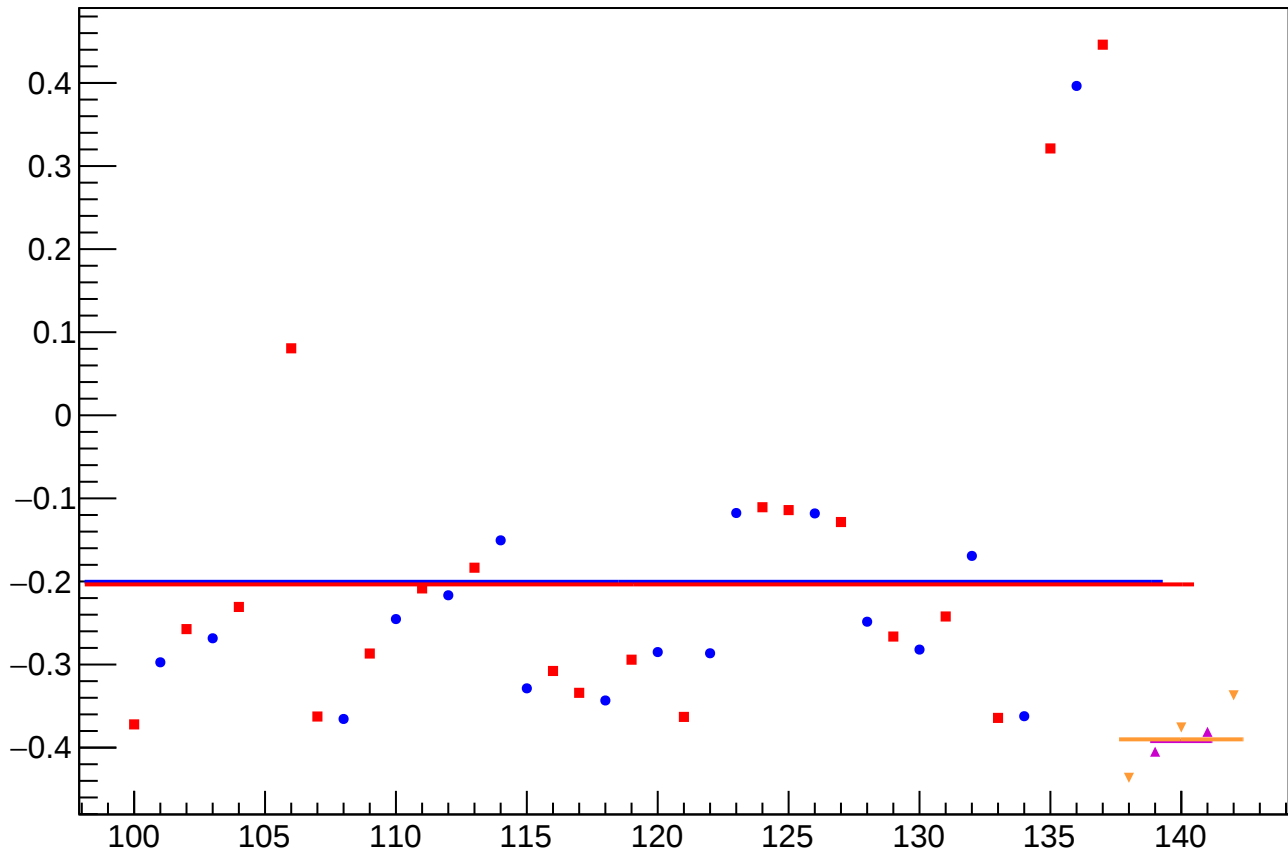
Right Out: 0.005+/-0.000 χ^2/NDF : 248668.3/19

Left In: 0.005+/-0.000 χ^2/NDF : 194668.8/1

0.005+/-0.000 χ^2/NDF : 249474.2/19

0.005+/-0.000 χ^2/NDF : 454122.2/21

yield_bpm0i02X_mean vs Slug



Right In: -0.200+/-0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.390+/-0.000 χ^2/NDF : 116093202.7/2

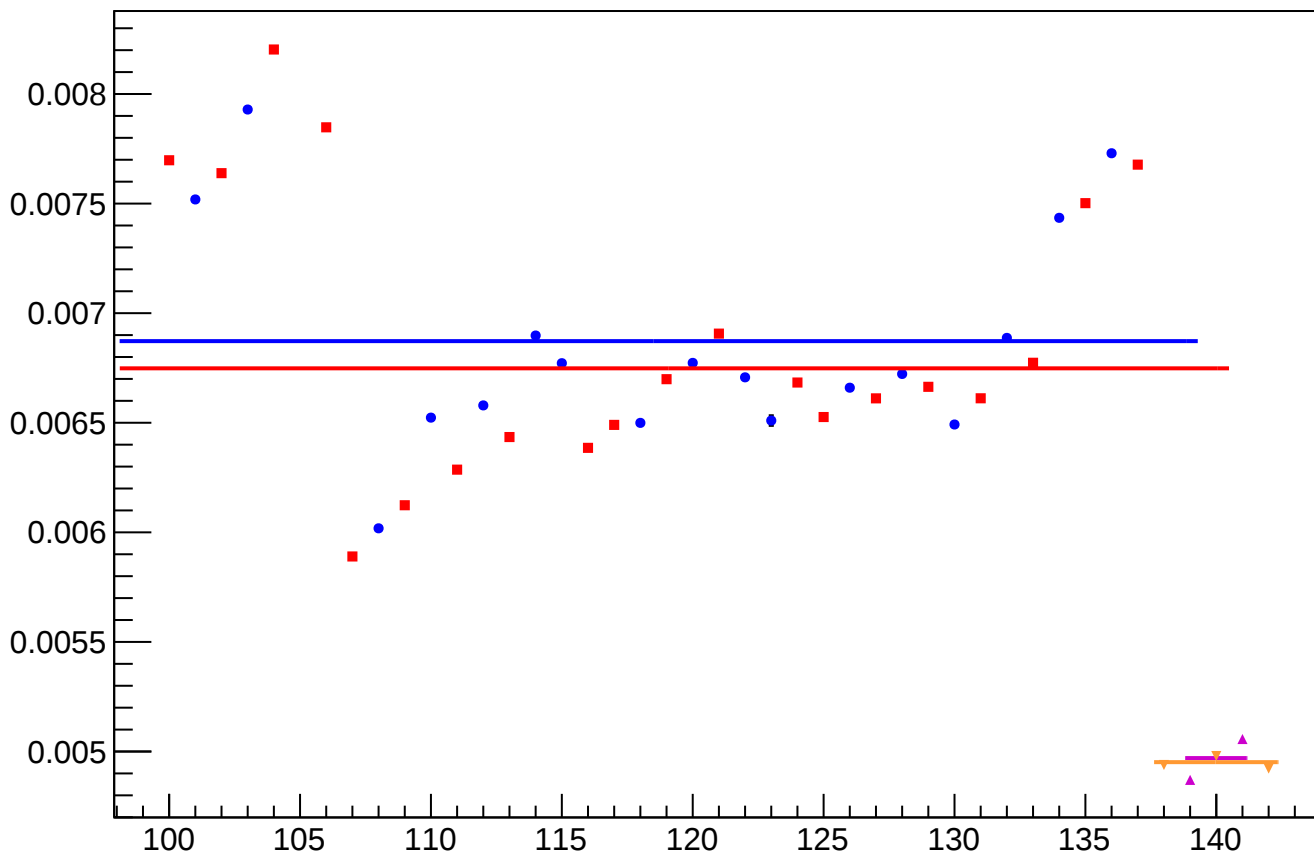
-0.268+/-0.000 χ^2/NDF : 7873763691.6/19

Right Out: -0.204+/-0.000 χ^2/NDF : 5045878528.0/19

-0.257+/-0.000 χ^2/NDF : 6582745044.0/21

Left In: -0.392+/-0.000 χ^2/NDF : 8521460.9/1

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 78611.6/16

Left Out: 0.005+/-0.000 χ^2/NDF : 87.6/2

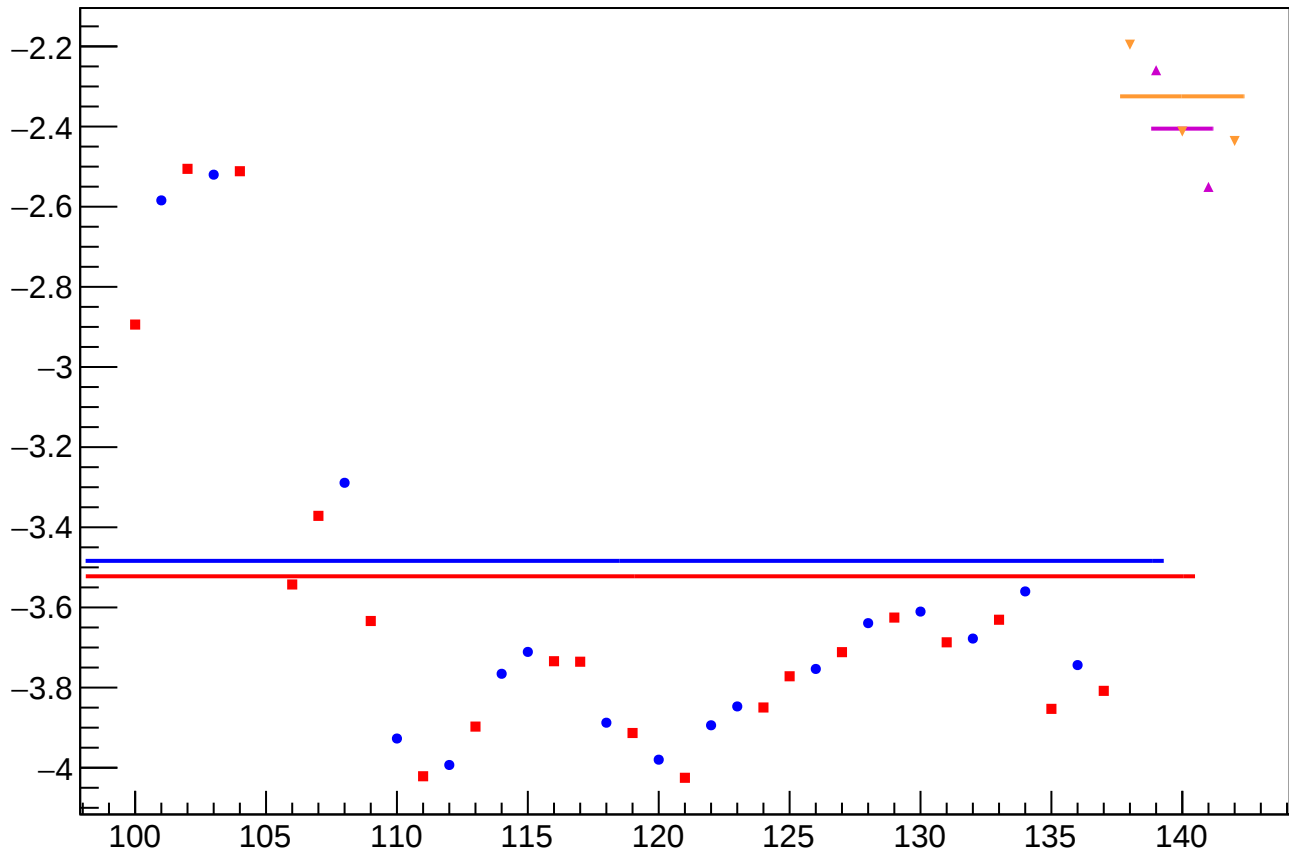
Right Out: 0.007+/-0.000 χ^2/NDF : 105262.1/19

Left In: 0.005+/-0.000 χ^2/NDF : 1037.0/1

0.006+/-0.000 χ^2/NDF : 444940.4/19

0.006+/-0.000 χ^2/NDF : 378112.2/21

yield_bpm0i02Y_mean vs Slug



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -3.298+/-0.000 χ^2/NDF : 237970273.0/2

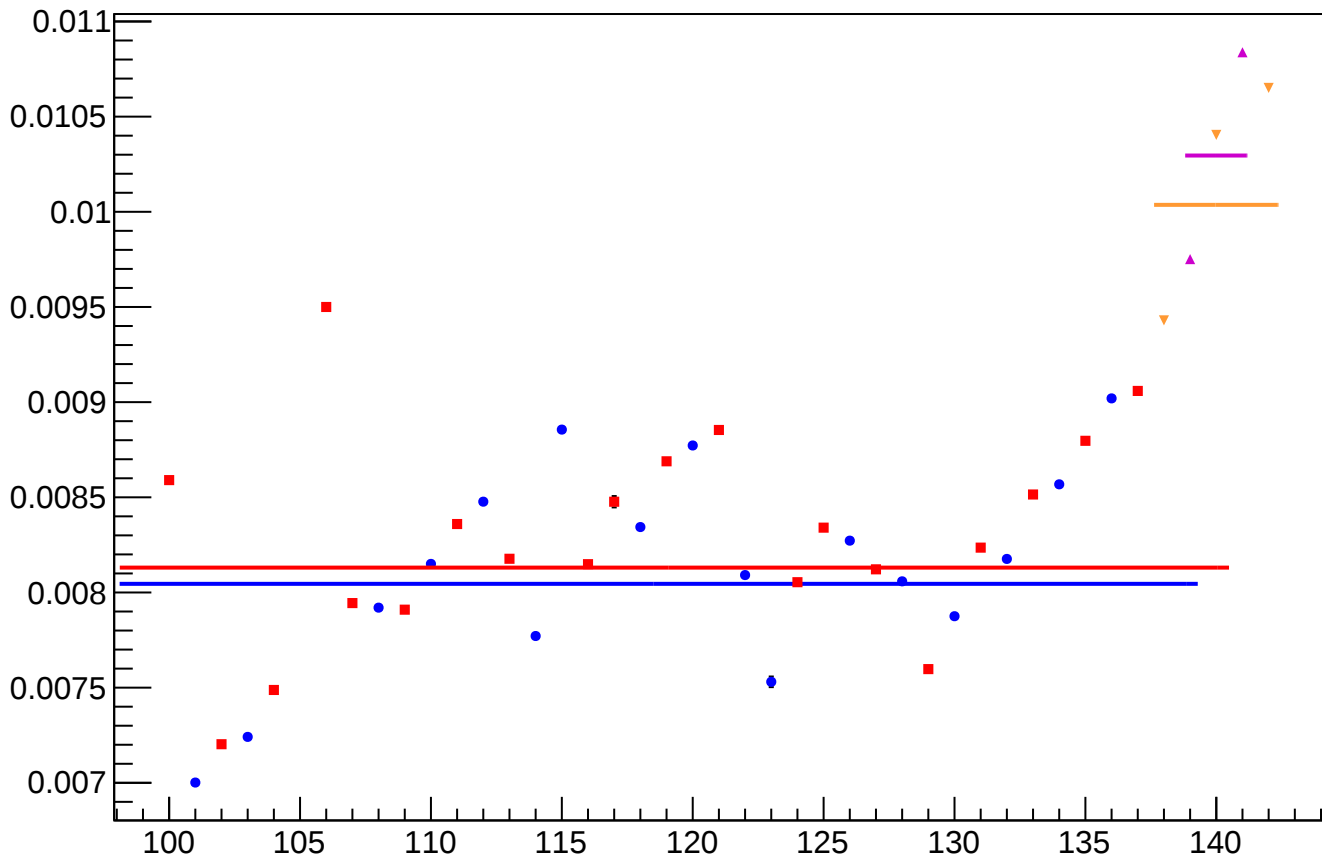
-3.298+/-0.000 χ^2/NDF : 49051390959.5/19

Right Out: -3.522+/-0.000 χ^2/NDF : 26497611752.4/19

-3.387+/-0.000 χ^2/NDF : 42365219799.2/21

Left In: -2.405+/-0.000 χ^2/NDF : 300864002.1/1

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 71989.8/16

Left Out: 0.010+/-0.000 χ^2/NDF :10783.4/2

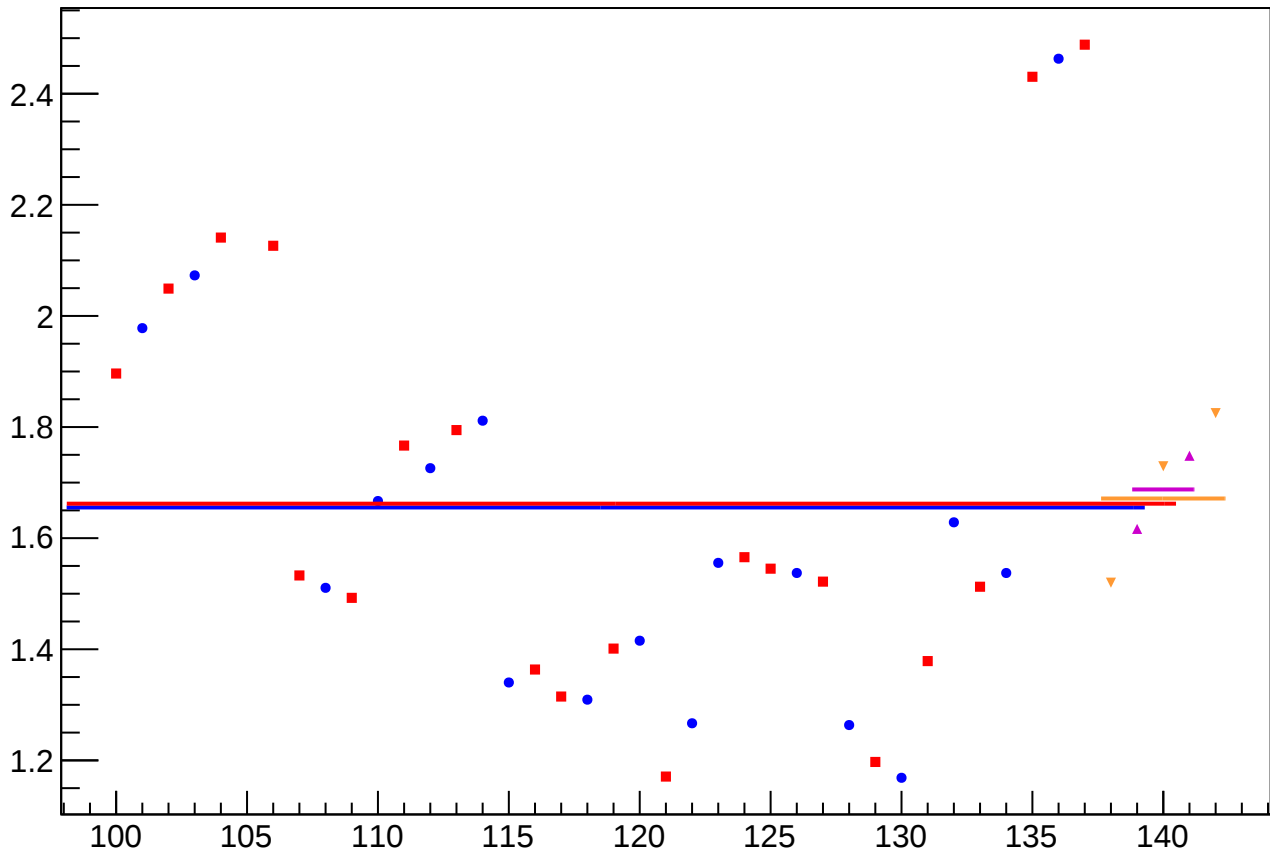
Right Out: 0.008+/-0.000 χ^2/NDF : 57613.2/19

Left In: 0.010+/-0.000 χ^2/NDF :8380.2/1

0.008+/-0.000 χ^2/NDF : 210467.1/19

0.008+/-0.000 χ^2/NDF : 182940.3/21

yield_bpm0i02aX_mean vs Slug



Right In: 1.655 ± 0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.671 ± 0.000 χ^2/NDF : 247560815.6/2

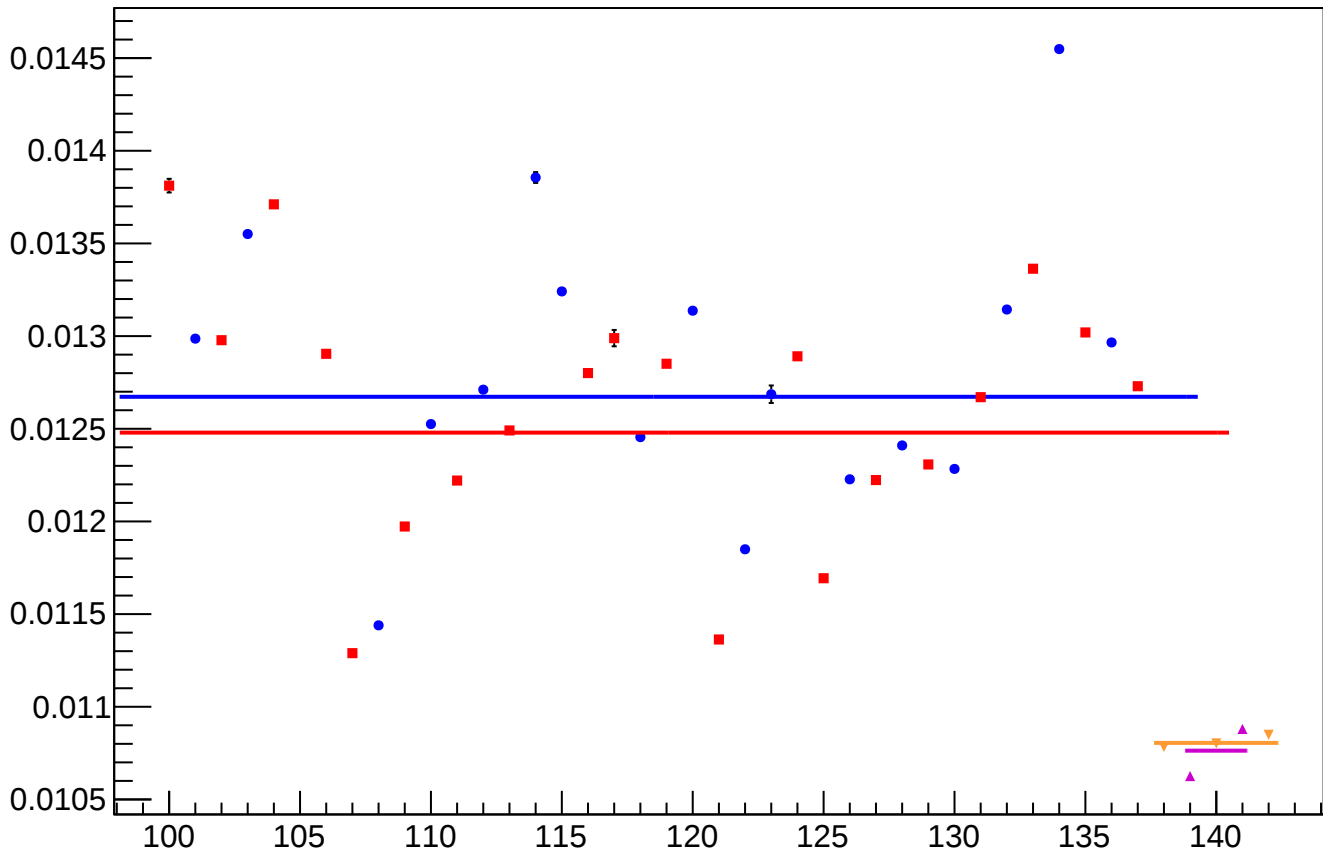
1.660 ± 0.000 χ^2/NDF : 6727073395.2/19

Right Out: 1.662 ± 0.000 χ^2/NDF : 5975345573.0/19

1.668 ± 0.000 χ^2/NDF : 6037677588.4/21

Left In: 1.688 ± 0.000 χ^2/NDF : 55752389.8/1

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 31801.3/16

Left Out: 0.011+/-0.000 χ^2/NDF : 19.7/2

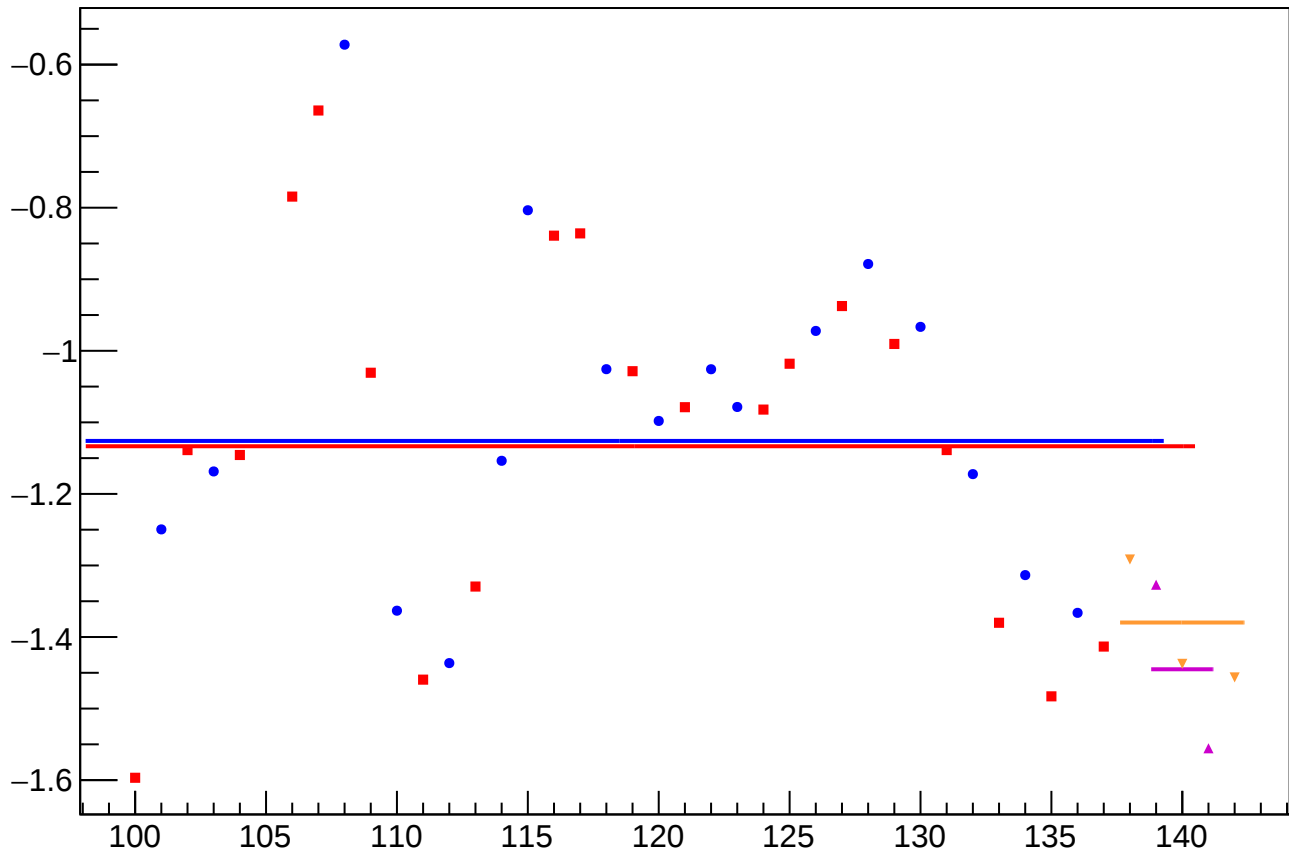
Right Out: 0.012+/-0.000 χ^2/NDF : 39268.9/19

Left In: 0.011+/-0.000 χ^2/NDF : 416.4/1

0.012+/-0.000 χ^2/NDF : 113274.0/19

0.012+/-0.000 χ^2/NDF : 98757.2/21

yield_bpm0i02aY_mean vs Slug



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.380+/-0.000 χ^2/NDF : 163700771.1/2

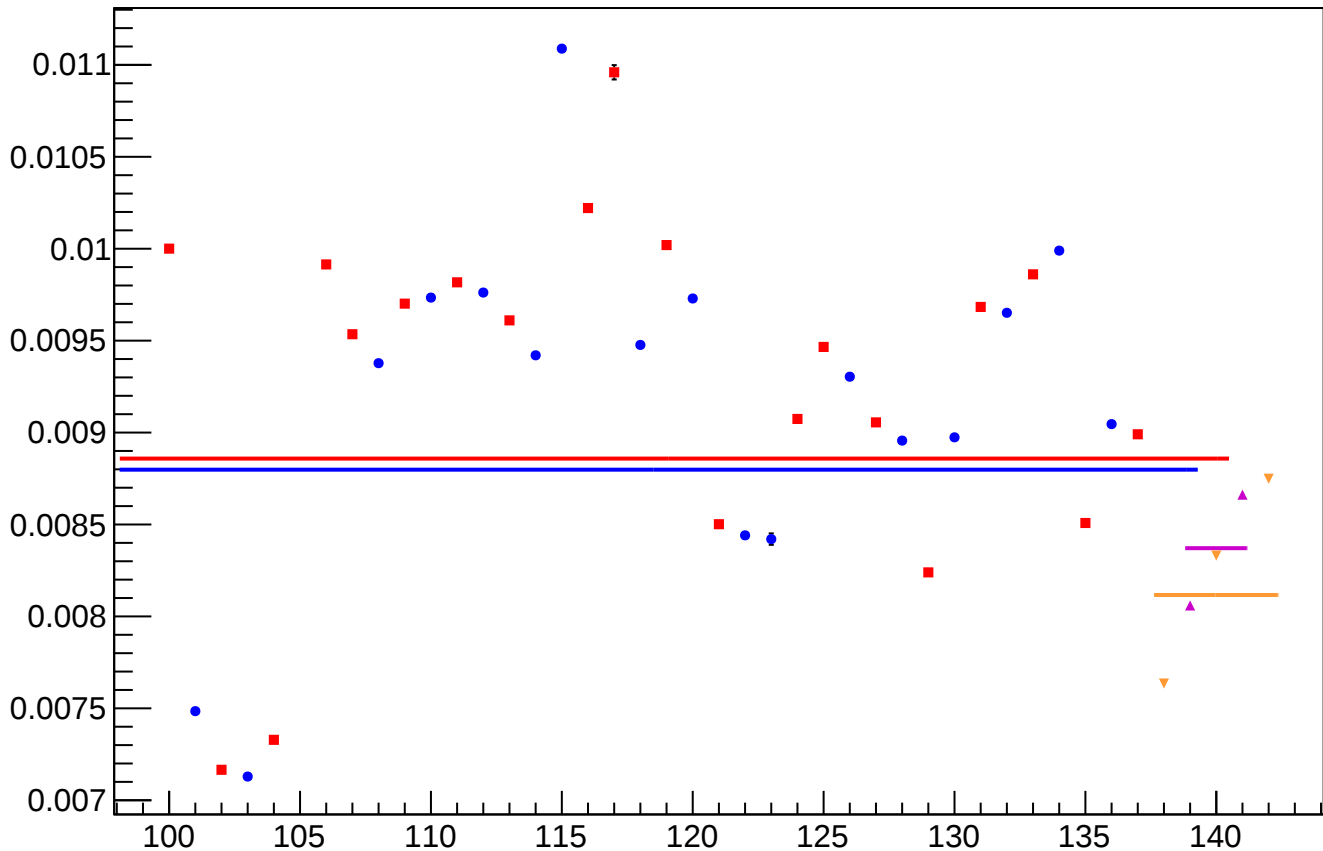
-1.192+/-0.000 χ^2/NDF : 5115053402.4/19

Right Out: -1.133+/-0.000 χ^2/NDF : 3706528266.7/19

-1.196+/-0.000 χ^2/NDF : 5634685989.2/21

Left In: -1.445+/-0.000 χ^2/NDF : 277257212.9/1

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 151586.8/16

Left Out: 0.008+/-0.000 χ^2/NDF : 10986.0/2

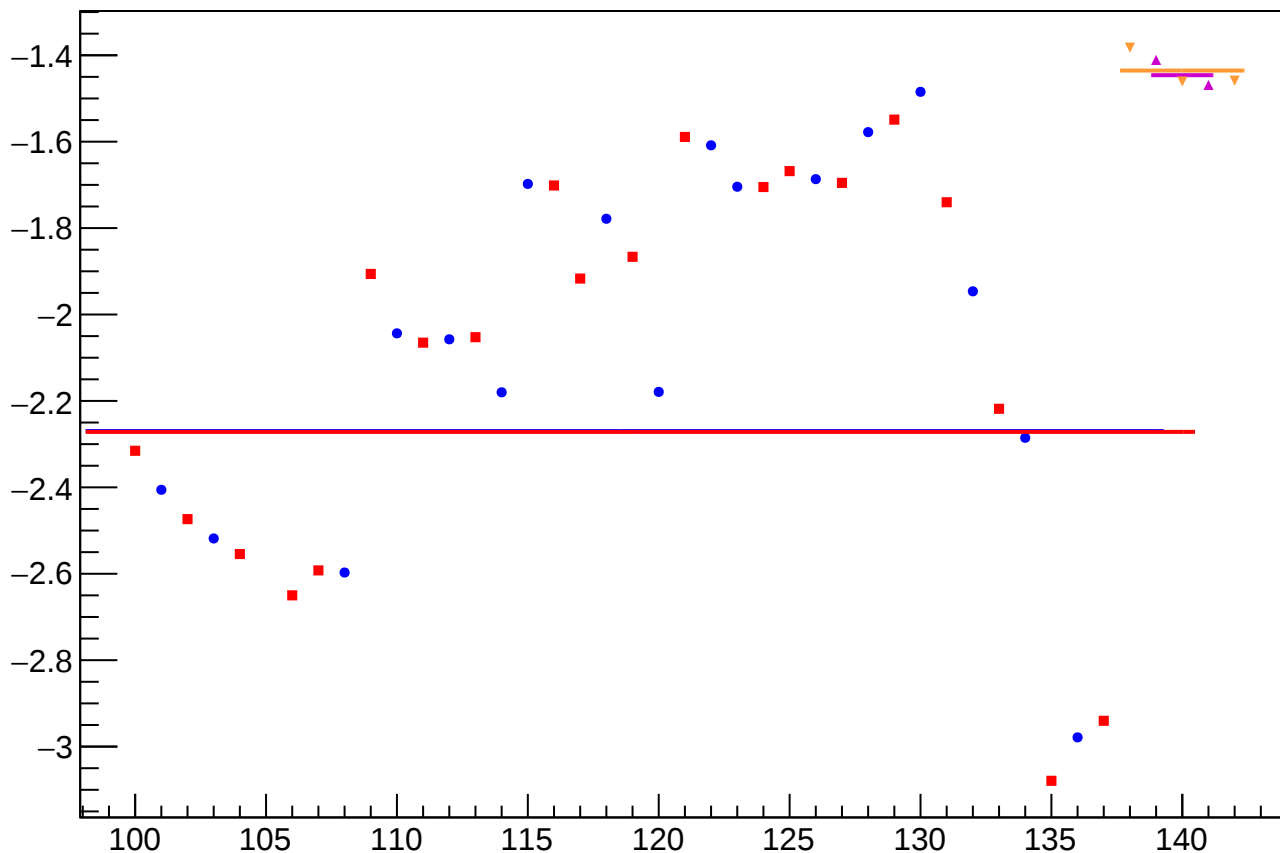
Right Out: 0.009+/-0.000 χ^2/NDF : 176858.0/19

Left In: 0.008+/-0.000 χ^2/NDF : 3856.0/1

0.009+/-0.000 χ^2/NDF : 182431.7/19

0.009+/-0.000 χ^2/NDF : 188785.9/21

yield_bpm0i05X_mean vs Slug



Right In: -2.270+/-0.000 χ^2 /NDF: 17408567065.9/16

Left Out: -1.435+/-0.000 χ^2 /NDF: 38080941.8/2

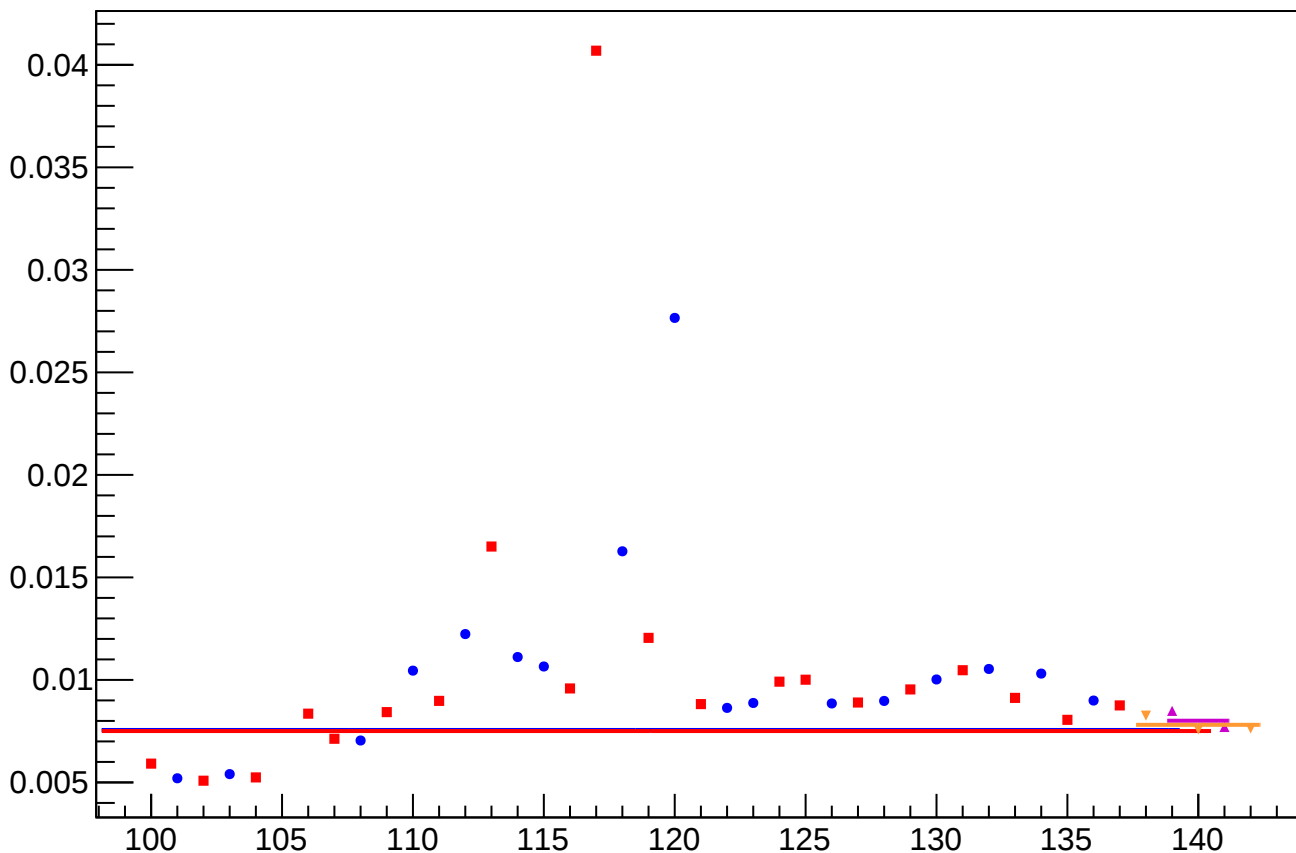
Right Out: -2.272+/-0.000 χ^2 /NDF: 19012236430.2/19

Left In: -1.446+/-0.000 χ^2 /NDF: 18044989.0/1

-2.062+/-0.000 χ^2 /NDF: 32710690489.4/19

-2.119+/-0.000 χ^2 /NDF: 31588118412.3/21

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1221004.0/16

Left Out: 0.008+/-0.000 χ^2/NDF : 5479.2/2

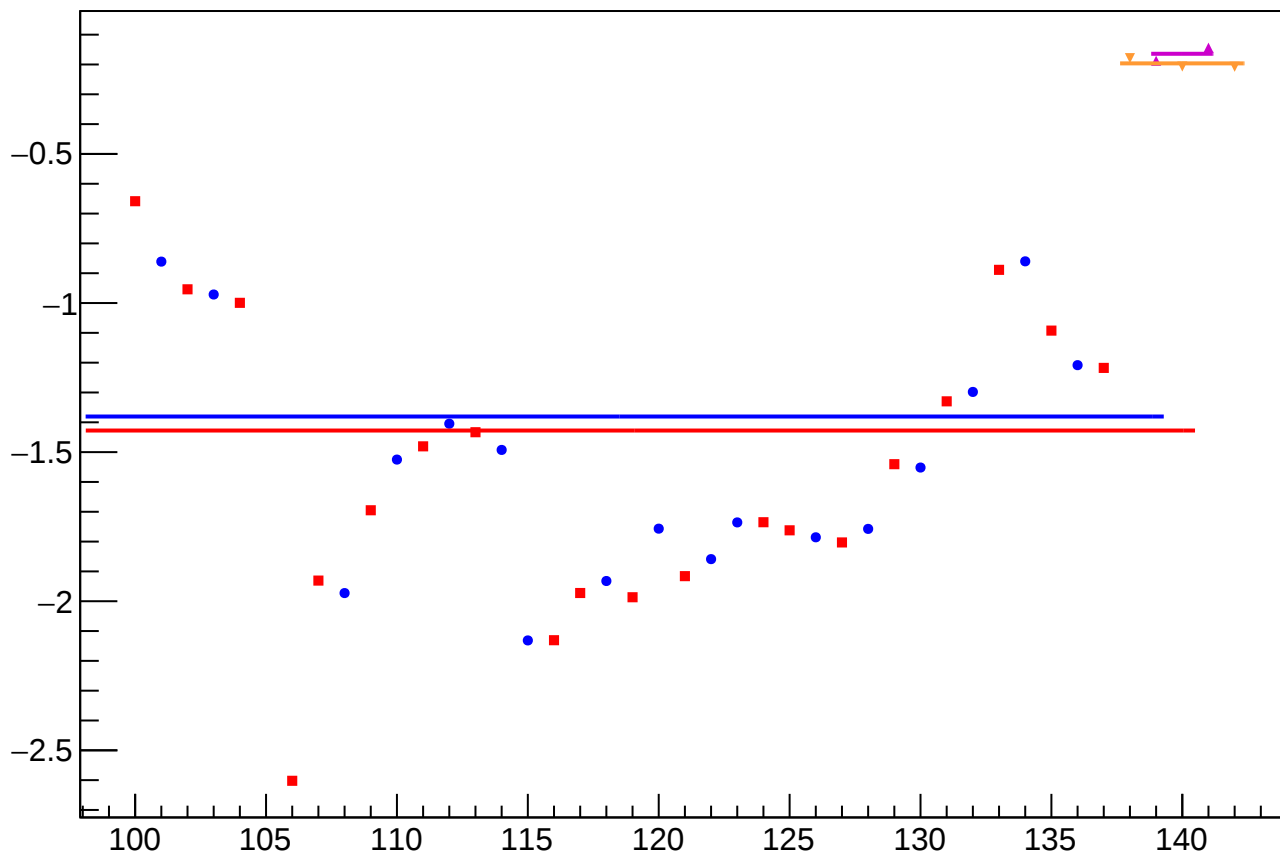
Right Out: 0.008+/-0.000 χ^2/NDF : 984811.6/19

Left In: 0.008+/-0.000 χ^2/NDF : 6641.1/1

0.008+/-0.000 χ^2/NDF : 1229252.4/19

0.008+/-0.000 χ^2/NDF : 1000796.3/21

yield_bpm0i05Y_mean vs Slug



Right In: -1.381 ± 0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.196 ± 0.000 χ^2/NDF : 20825918.2/2

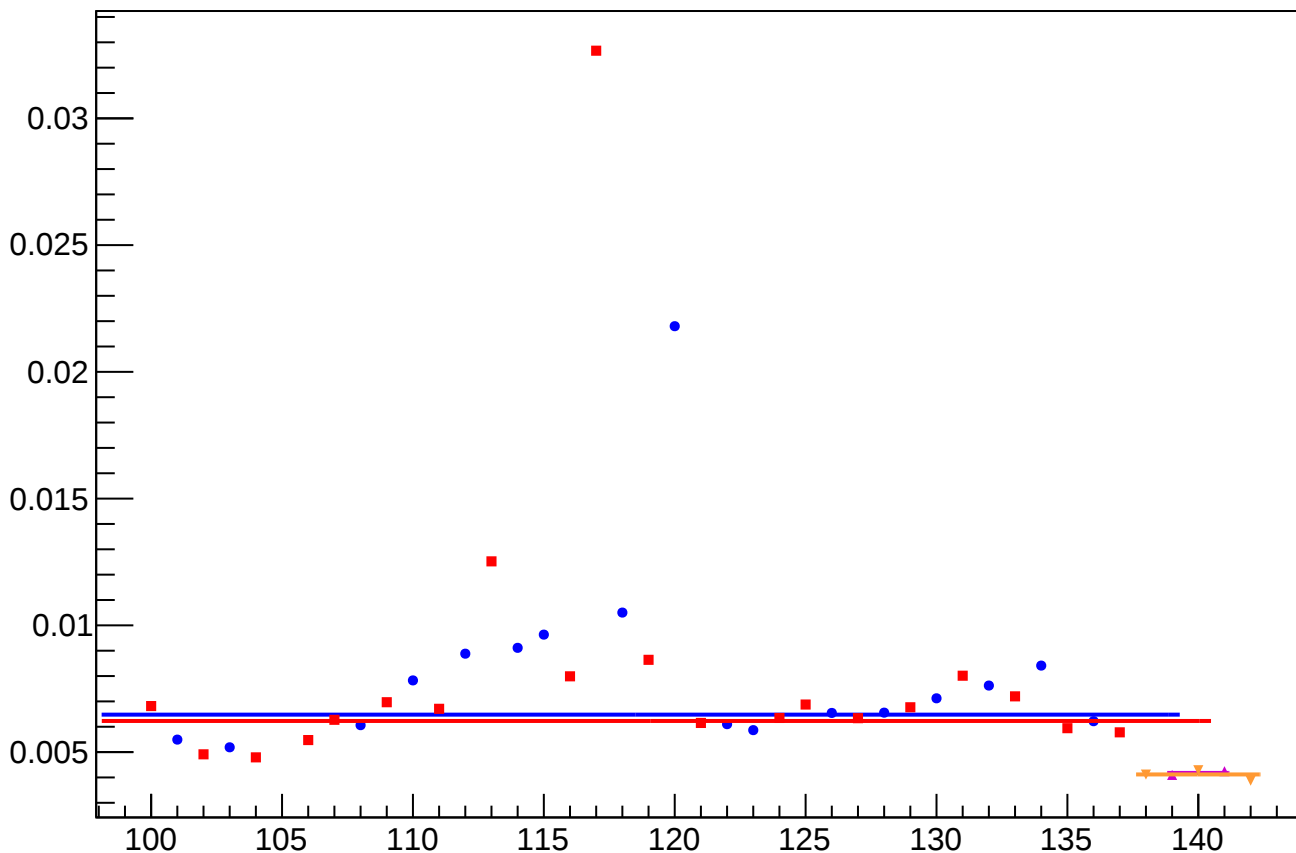
Right Out: -1.428 ± 0.000 χ^2/NDF : 29626603581.6/19

Left In: -0.164 ± 0.000 χ^2/NDF : 39444737.9/1

-0.841 ± 0.000 χ^2/NDF : 103054000813.1/19

-0.983 ± 0.000 χ^2/NDF : 114997505425.1/21

yield_bpm0i05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 572678.4/16

Left Out: 0.004+/-0.000 χ^2/NDF :5437.7/2

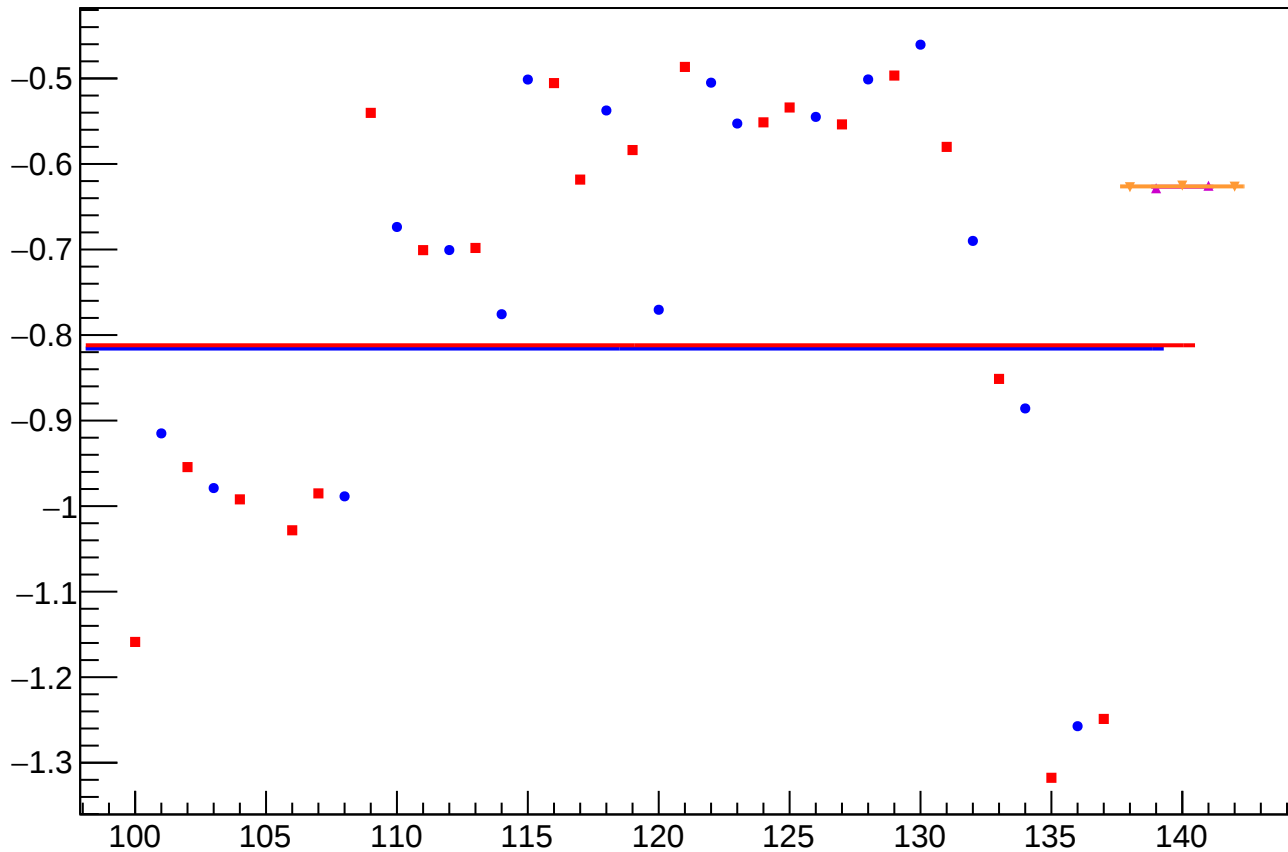
Right Out: 0.006+/-0.000 χ^2/NDF : 472534.6/19

Left In: 0.004+/-0.000 χ^2/NDF :883.7/1

0.005+/-0.000 χ^2/NDF : 1237024.5/19

0.006+/-0.000 χ^2/NDF : 922675.6/21

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.626+/-0.000 χ^2/NDF : 44669.3/2

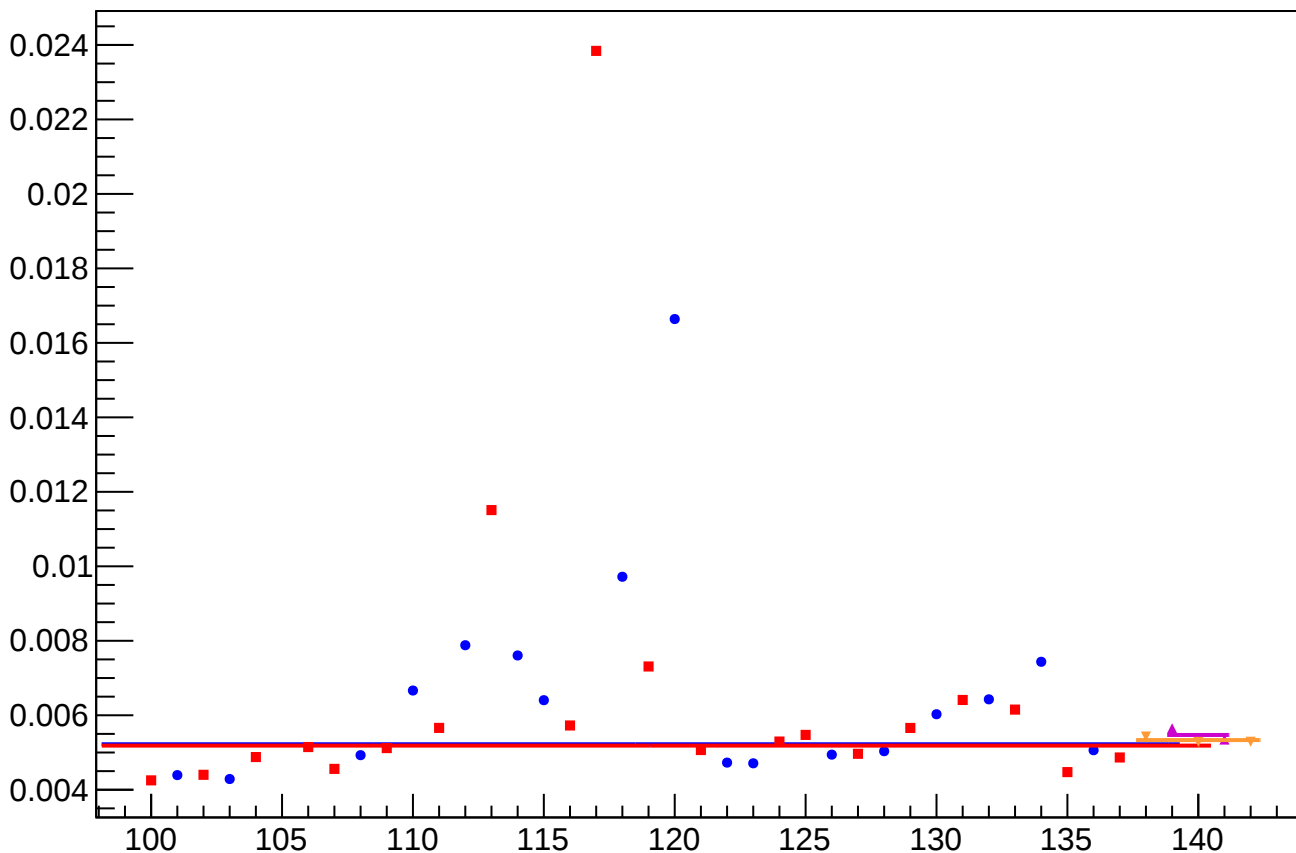
Right Out: -0.812+/-0.000 χ^2/NDF : 16818378599.3/19

Left In: -0.627+/-0.000 χ^2/NDF : 100265.3/1

-0.770+/-0.000 χ^2/NDF : 15874562707.4/19

-0.779+/-0.000 χ^2/NDF : 18177403404.0/21

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 664386.8/16

Left Out: 0.005+/-0.000 χ^2/NDF :575.2/2

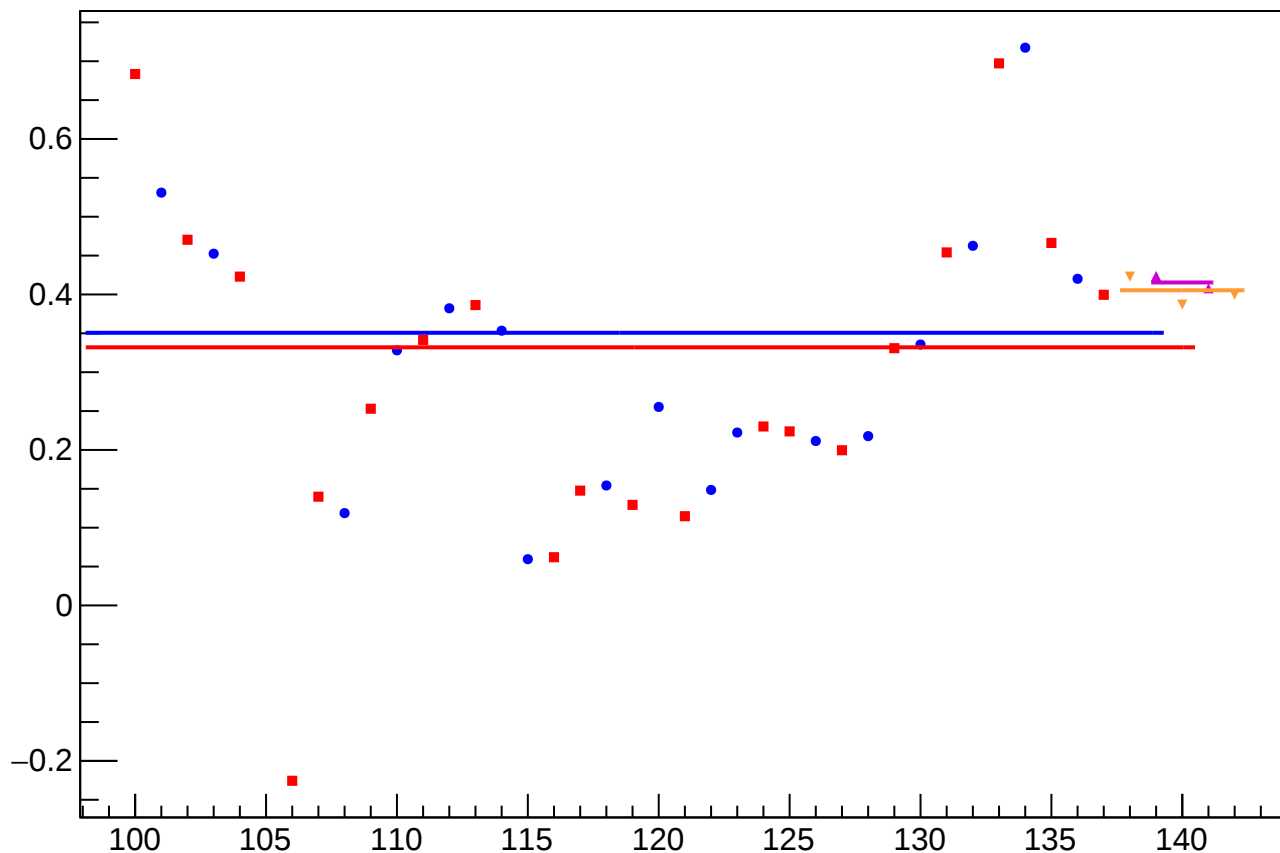
Right Out: 0.005+/-0.000 χ^2/NDF : 410640.5/19

Left In: 0.005+/-0.000 χ^2/NDF :2120.9/1

0.005+/-0.000 χ^2/NDF : 666156.0/19

0.005+/-0.000 χ^2/NDF : 419227.7/21

yield_bpm0i07Y_mean vs Slug



Right In: 0.351+/-0.000 χ^2/NDF : 7410859446.3/16

Left Out: 0.405+/-0.000 χ^2/NDF : 29680629.1/2

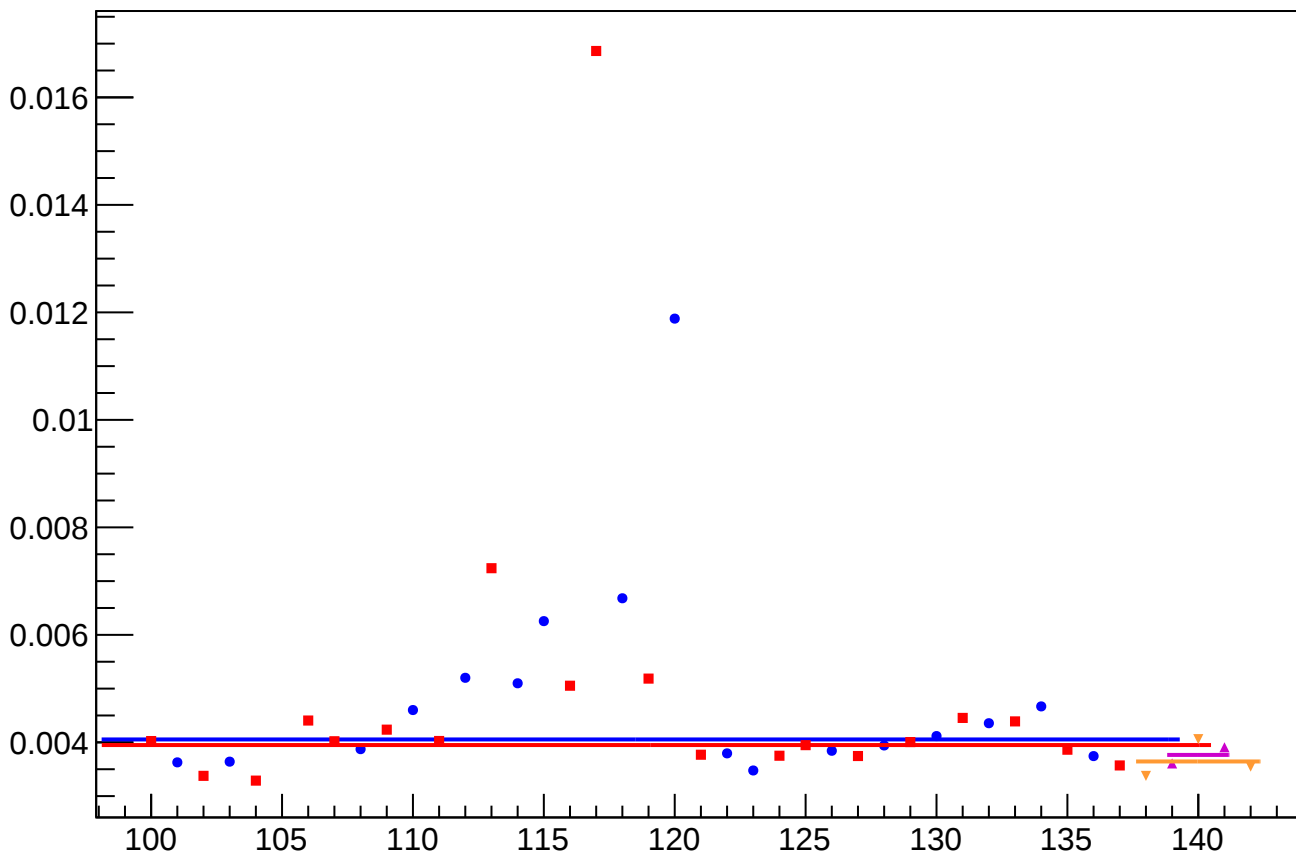
Right Out: 0.332+/-0.000 χ^2/NDF : 11800695210.2/19

Left In: 0.415+/-0.000 χ^2/NDF : 5519284.6/1

0.365+/-0.000 χ^2/NDF : 7702920136.6/19

0.347+/-0.000 χ^2/NDF : 12302616968.1/21

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 455318.3/16

Left Out: 0.004+/-0.000 χ^2/NDF : 21189.8/2

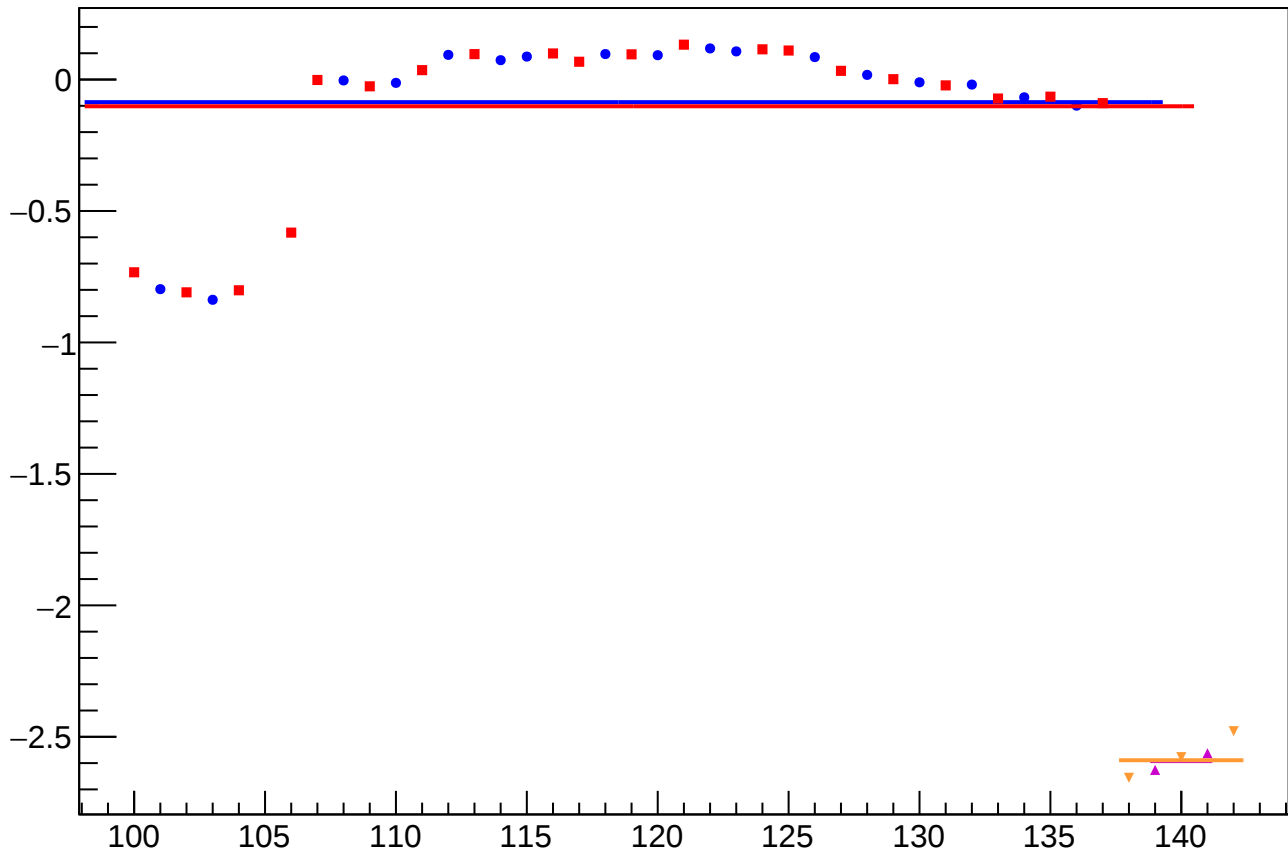
Right Out: 0.004+/-0.000 χ^2/NDF : 304954.7/19

Left In: 0.004+/-0.000 χ^2/NDF : 3936.4/1

0.004+/-0.000 χ^2/NDF : 505981.9/19

0.004+/-0.000 χ^2/NDF : 313704.6/21

yield_bpm1i02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2 /NDF: 4989387592.7/16

Left Out: -2.589+/-0.000 χ^2 /NDF: 46355289.4/2

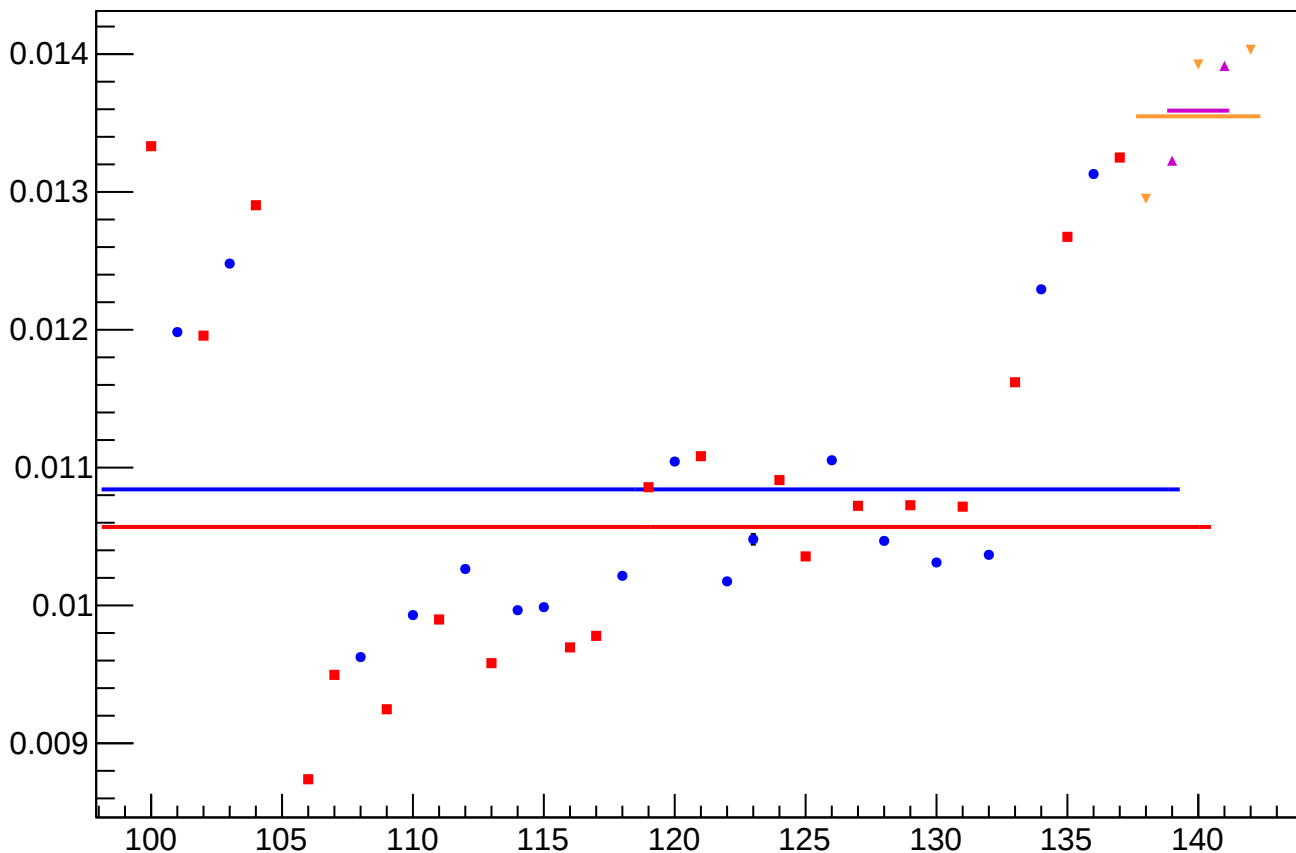
Right Out: -0.102+/-0.000 χ^2 /NDF: 5566142794.2/19

Left In: -2.592+/-0.000 χ^2 /NDF: 8195940.6/1

-0.481+/-0.000 χ^2 /NDF: 60805934498.3/19

-0.389+/-0.000 χ^2 /NDF: 50715586171.6/21

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.014+/-0.000 χ^2/NDF : 5256.6/2

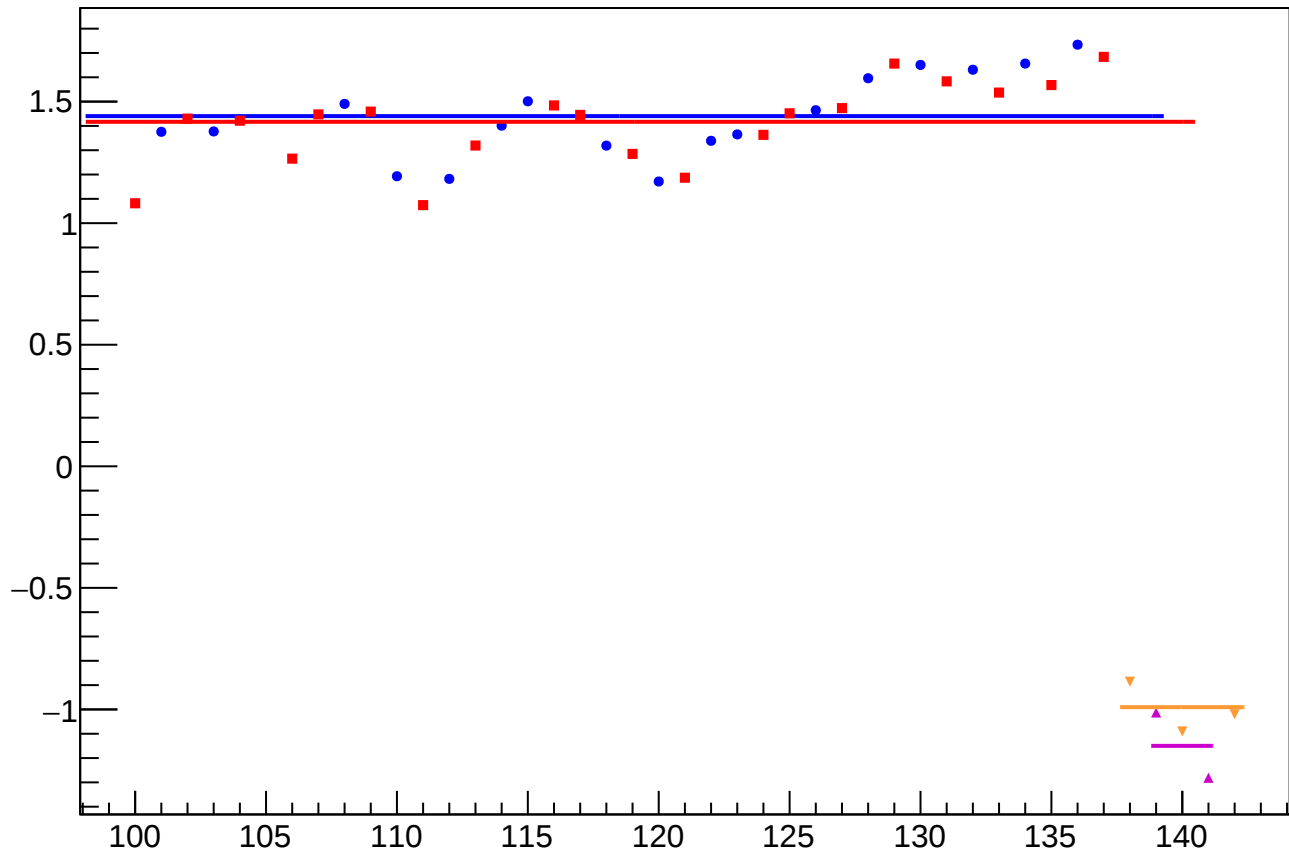
Right Out: 0.011+/-0.000 χ^2/NDF : 179537.7/19

Left In: 0.014+/-0.000 χ^2/NDF : 1936.6/1

0.011+/-0.000 χ^2/NDF : 259946.9/19

0.011+/-0.000 χ^2/NDF : 314254.3/21

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.991 $\pm$ 0.000 χ^2 /NDF:156955164.4/2

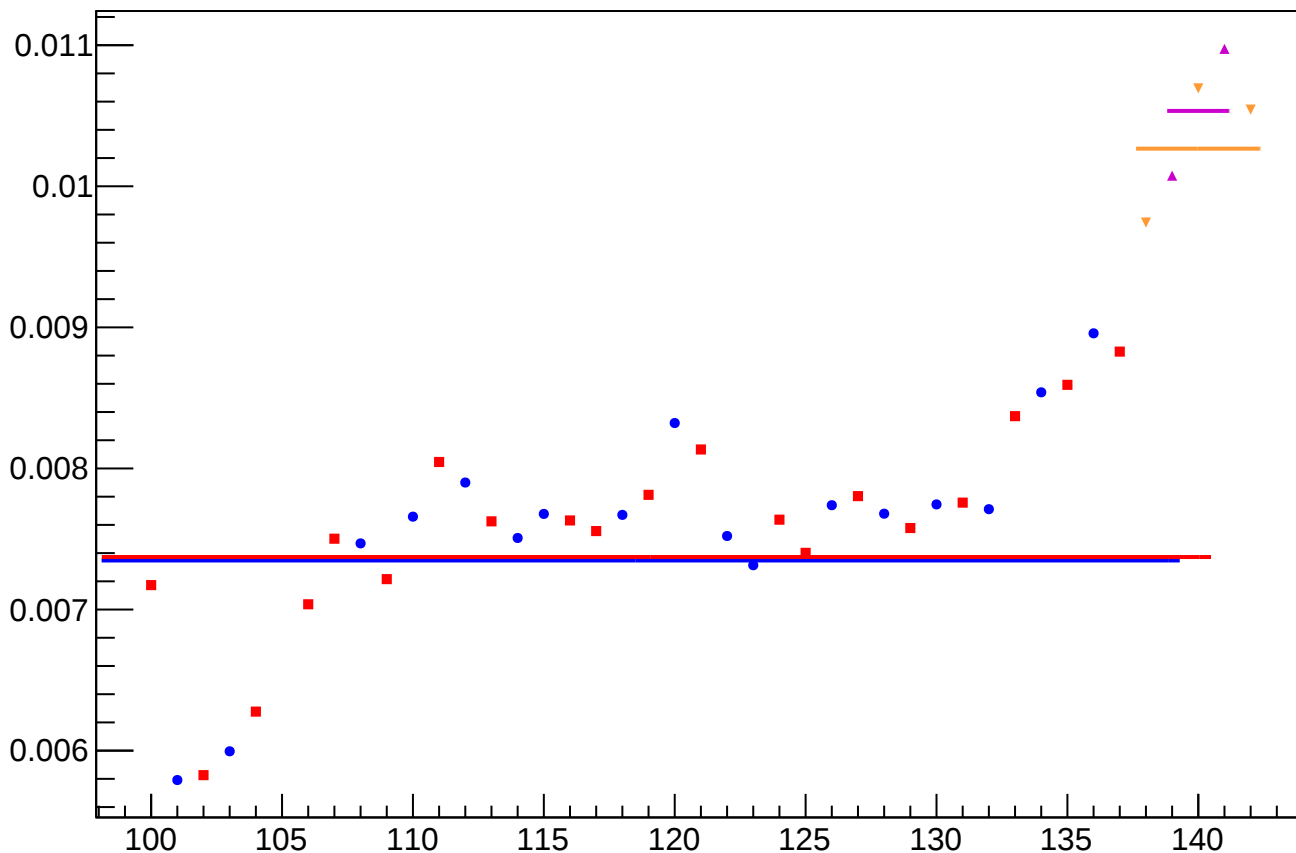
Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674679406.4/19

Left In: -1.150 $\pm$ 0.000 χ^2 /NDF:246465179.6/1

1.120 $\pm$ 0.000 χ^2 /NDF: 98622933054.1/19

1.172 $\pm$ 0.000 χ^2 /NDF: 84434670894.1/21

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 228163.6/16

Left Out: 0.010+/-0.000 χ^2/NDF : 7356.6/2

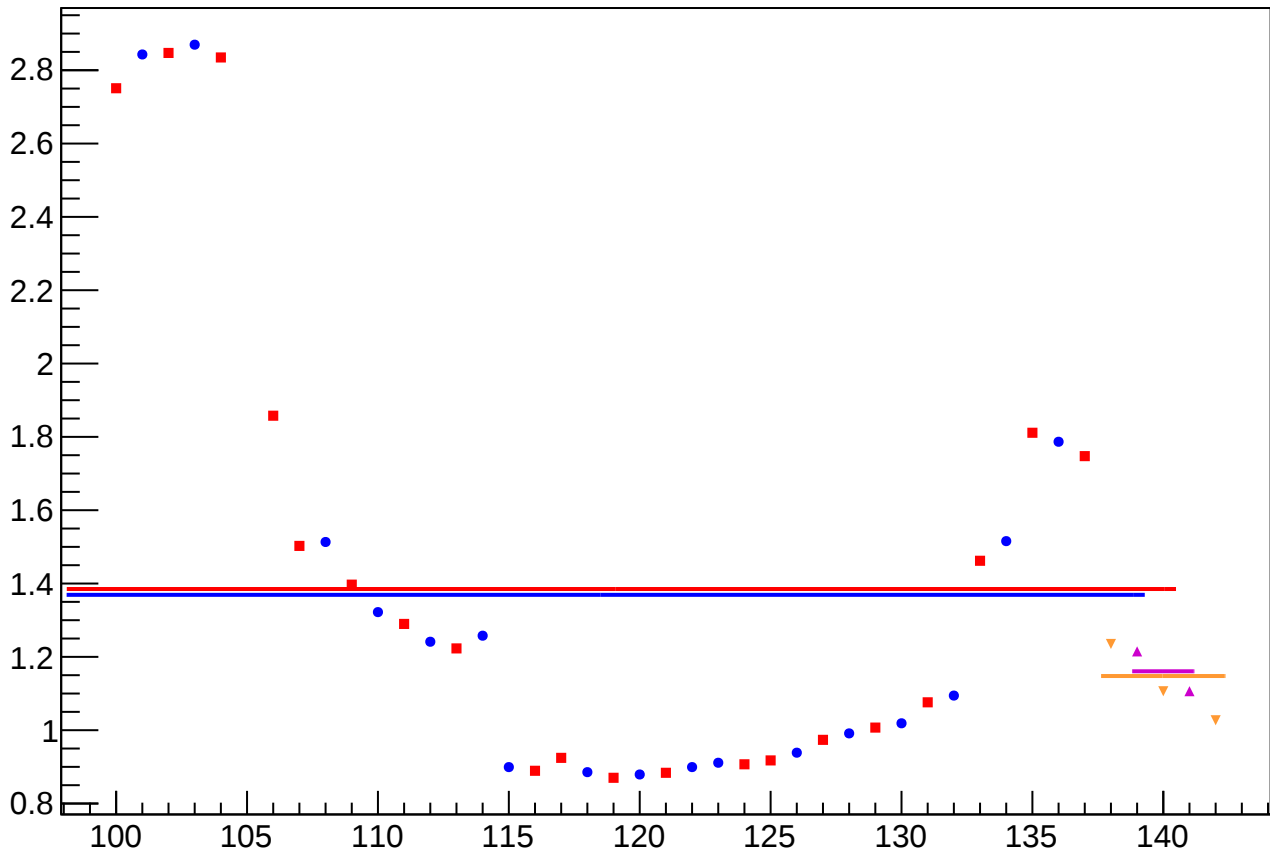
Right Out: 0.007+/-0.000 χ^2/NDF : 172741.0/19

Left In: 0.011+/-0.000 χ^2/NDF : 5522.2/1

0.008+/-0.000 χ^2/NDF : 509506.0/19

0.008+/-0.000 χ^2/NDF : 425670.1/21

yield_bpm1i04X_mean vs Slug



Right In: 1.369+/-0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.148+/-0.000 χ^2/NDF : 202886399.0/2

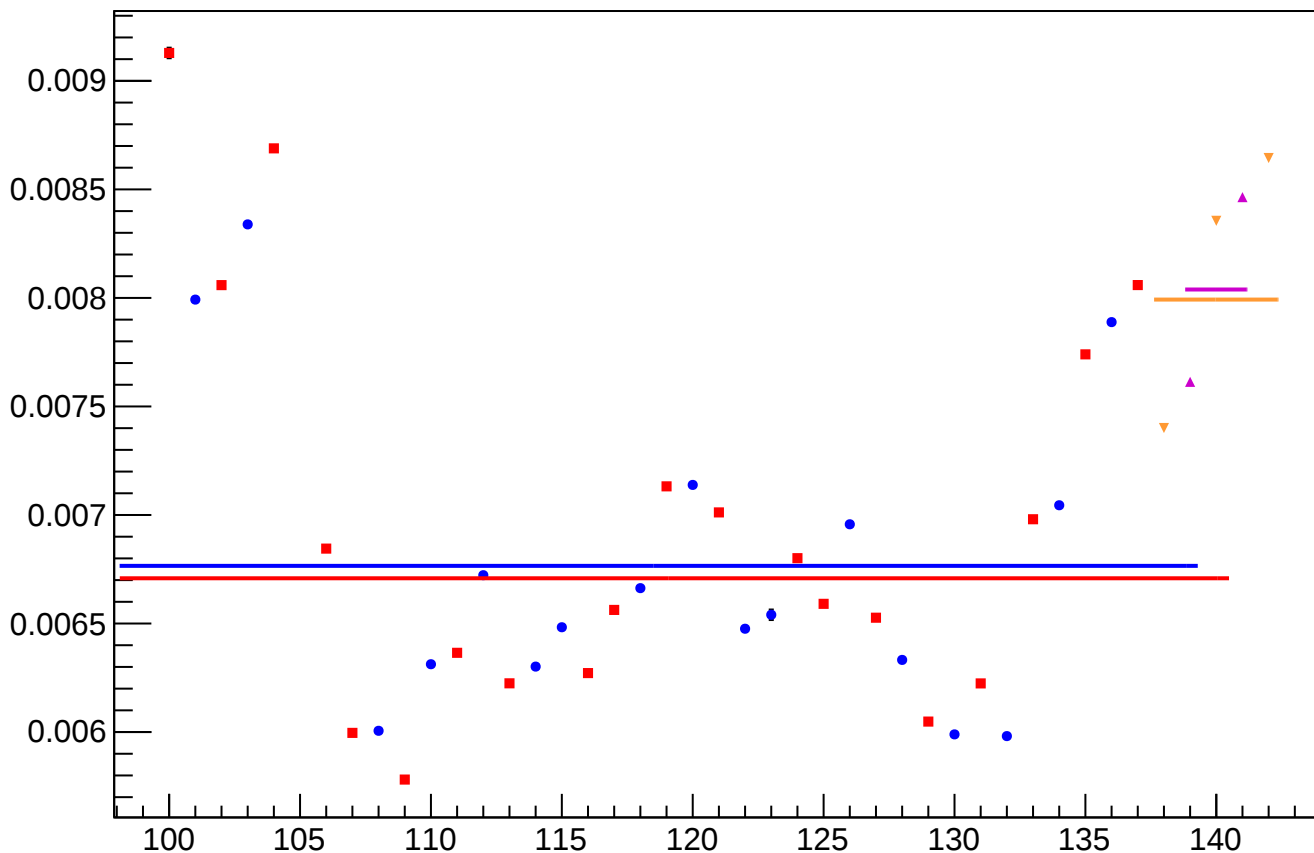
1.331+/-0.000 χ^2/NDF : 55632926105.2/19

Right Out: 1.385+/-0.000 χ^2/NDF : 50114562617.6/19

1.356+/-0.000 χ^2/NDF : 51205204416.9/21

Left In: 1.161+/-0.000 χ^2/NDF : 68703609.6/1

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 159554.9/16

Left Out: 0.008+/-0.000 χ^2/NDF :17038.7/2

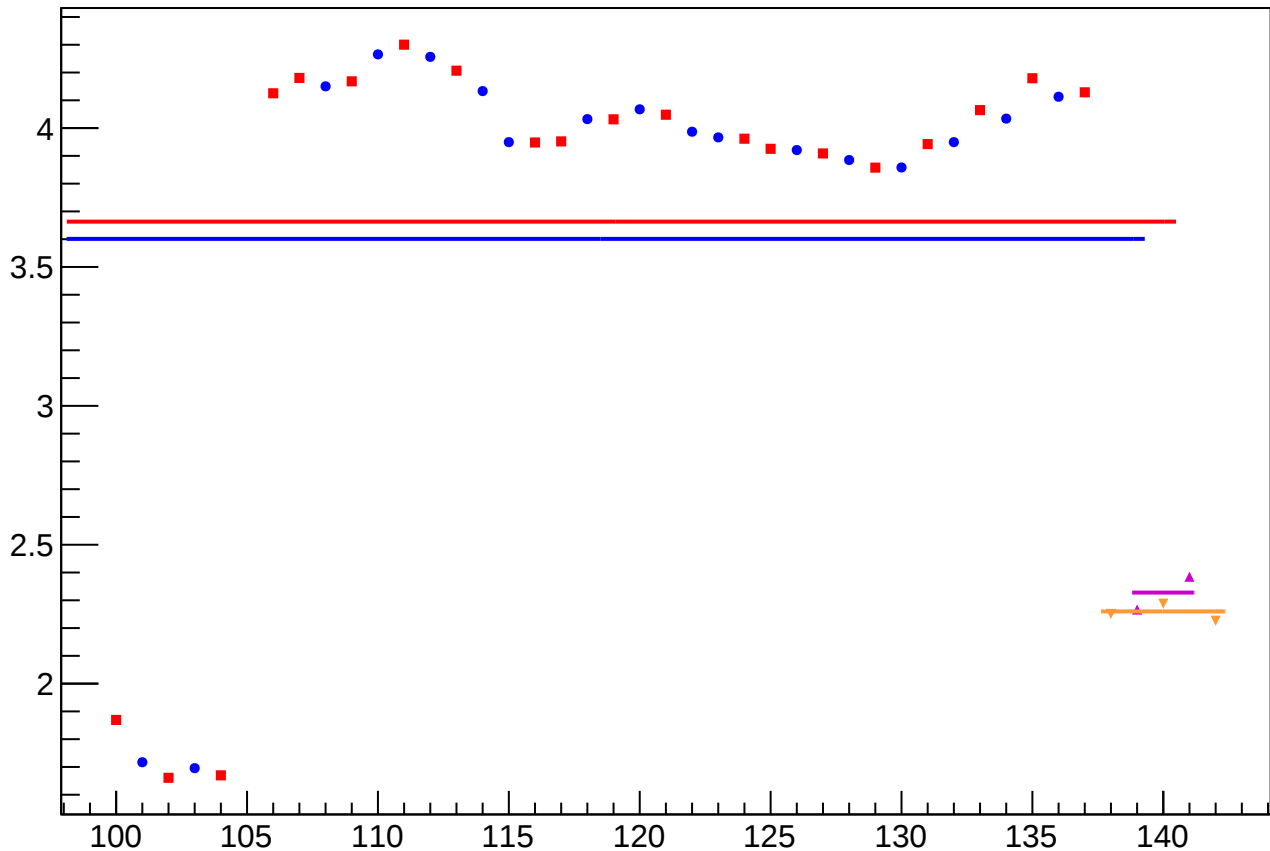
Right Out: 0.007+/-0.000 χ^2/NDF : 187869.7/19

Left In: 0.008+/-0.000 χ^2/NDF :8441.1/1

0.007+/-0.000 χ^2/NDF : 251757.2/19

0.007+/-0.000 χ^2/NDF : 268153.5/21

yield_bpm1i04Y_mean vs Slug



Right In: 3.601 $\pm$ 0.000 χ^2 /NDF: 185806937655.3/16

Left Out: 2.260 $\pm$ 0.000 χ^2 /NDF: 21463523.1/2

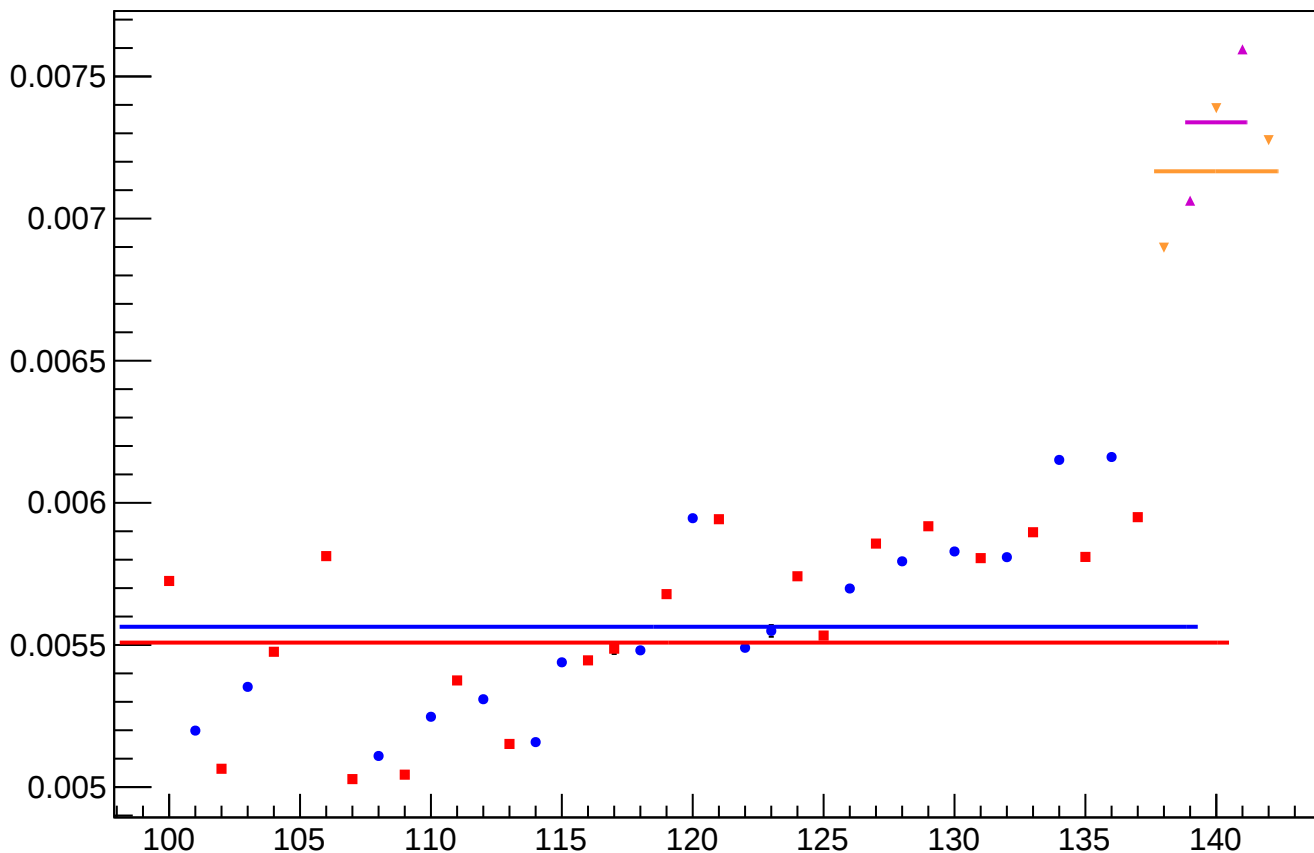
3.402 $\pm$ 0.000 χ^2 /NDF: 243483883429.4/19

Right Out: 3.663 $\pm$ 0.000 χ^2 /NDF: 192640409625.9/19

3.518 $\pm$ 0.000 χ^2 /NDF: 237465783724.2/21

Left In: 2.328 $\pm$ 0.000 χ^2 /NDF: 97979886.1/1

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 47588.2/16

Left Out: 0.007+/-0.000 χ^2/NDF :3813.3/2

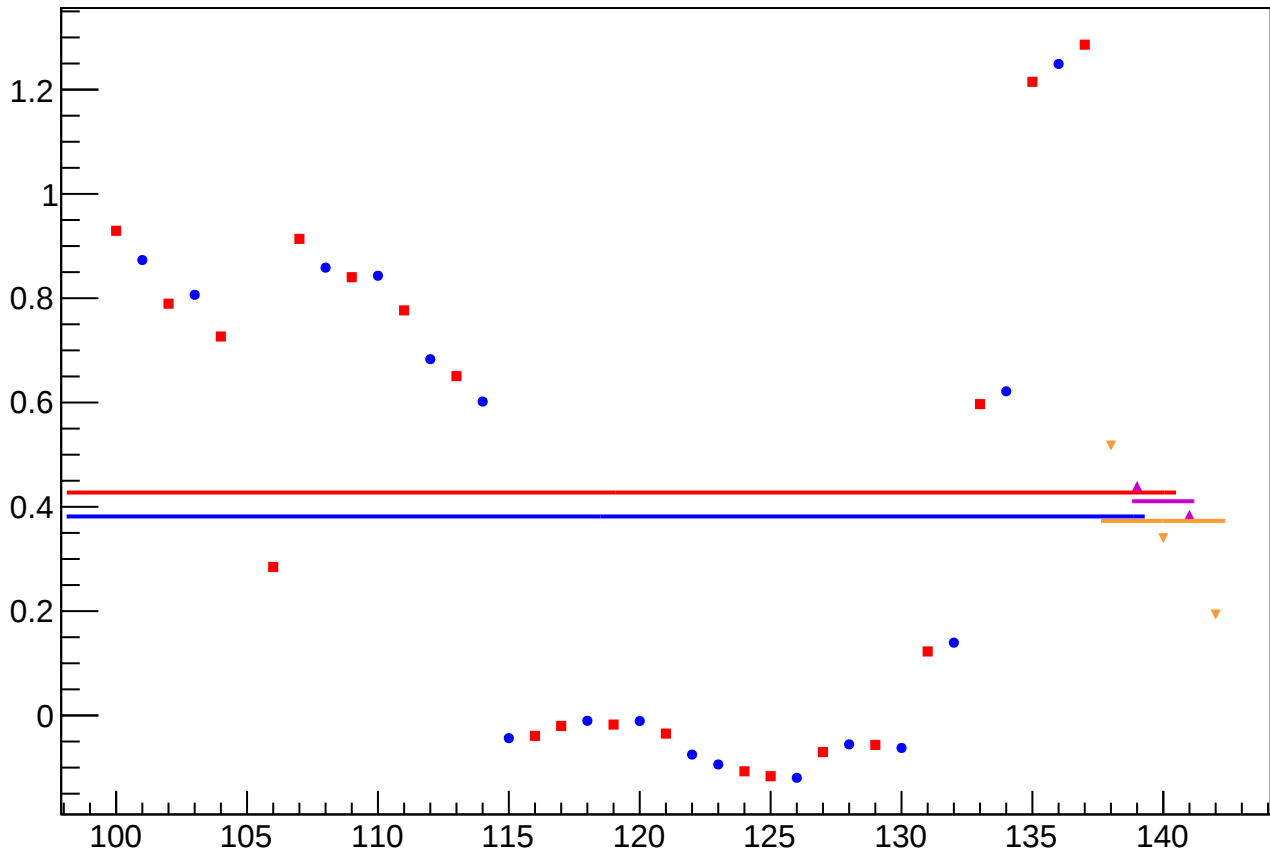
Right Out: 0.006+/-0.000 χ^2/NDF : 52636.1/19

Left In: 0.007+/-0.000 χ^2/NDF :3983.6/1

0.006+/-0.000 χ^2/NDF : 215991.5/19

0.006+/-0.000 χ^2/NDF : 224662.8/21

yield_bpm1i06X_mean vs Slug



Right In: 0.382+/-0.000 χ^2/NDF : 7124759123.1/16

Left Out: 0.373+/-0.000 χ^2/NDF :121877842.9/2

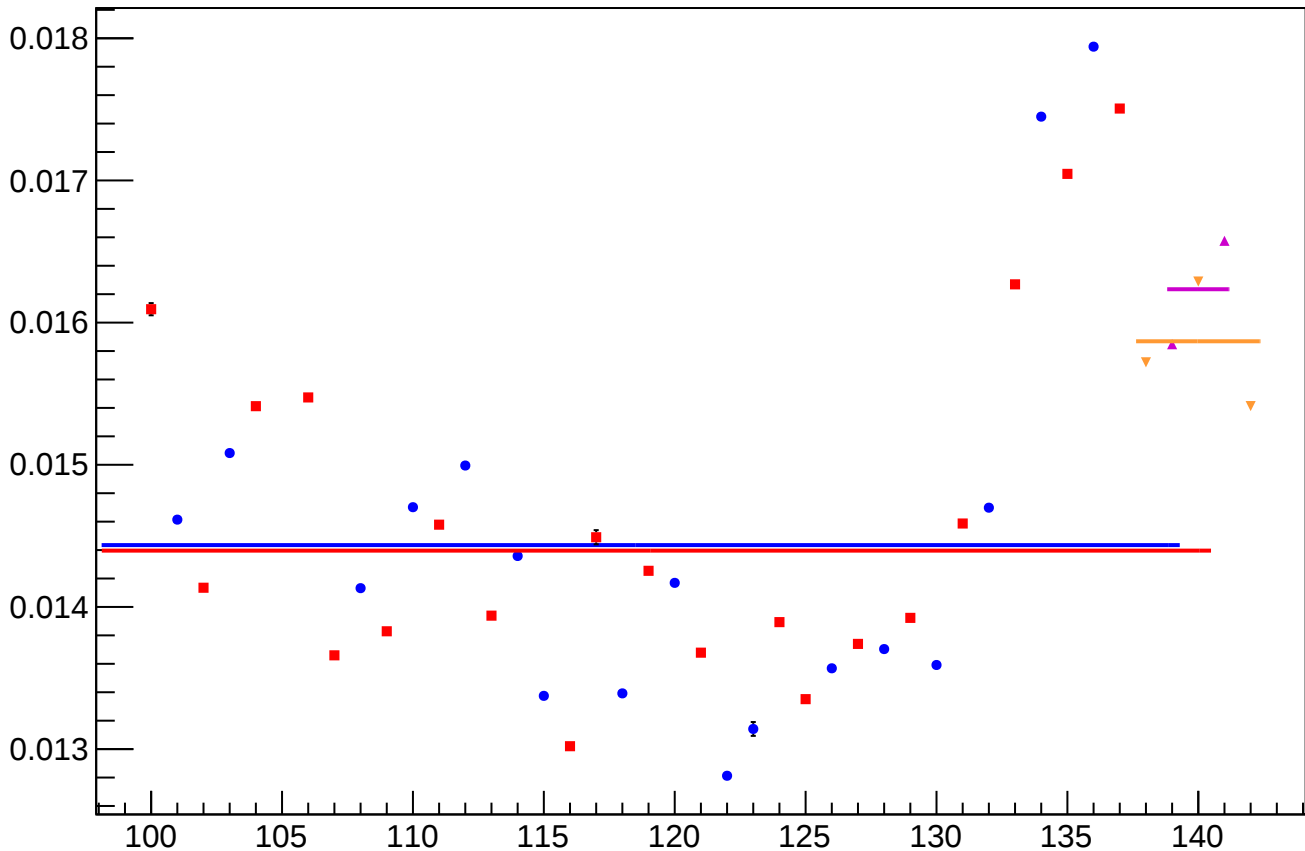
0.380+/-0.000 χ^2/NDF : 7247080928.3/19

Right Out: 0.427+/-0.000 χ^2/NDF : 6716521382.4/19

0.425+/-0.000 χ^2/NDF : 6722233953.1/21

Left In: 0.411+/-0.000 χ^2/NDF :4347115.6/1

yield_bpm1i06X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 110224.4/16

Left Out: 0.016 $\pm$ 0.000 χ^2/NDF : 1922.2/2

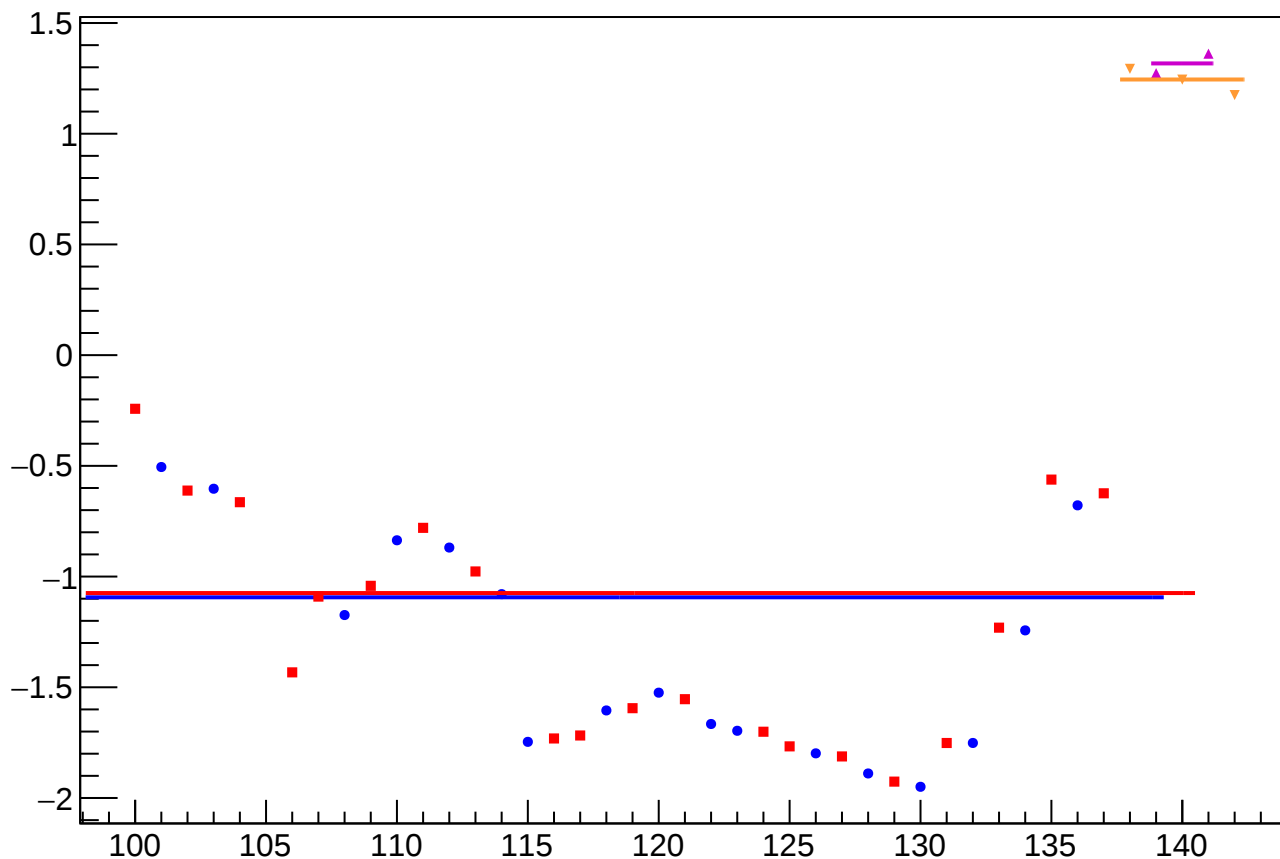
Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 74535.1/19

Left In: 0.016 $\pm$ 0.000 χ^2/NDF : 1516.5/1

0.015 $\pm$ 0.000 χ^2/NDF : 137569.9/19

0.015 $\pm$ 0.000 χ^2/NDF : 109280.7/21

yield_bpm1i06Y_mean vs Slug



Right In: -1.094+/-0.000 χ^2/NDF : 55960104370.4/16

Left Out: 1.245+/-0.000 χ^2/NDF : 261733385.4/2

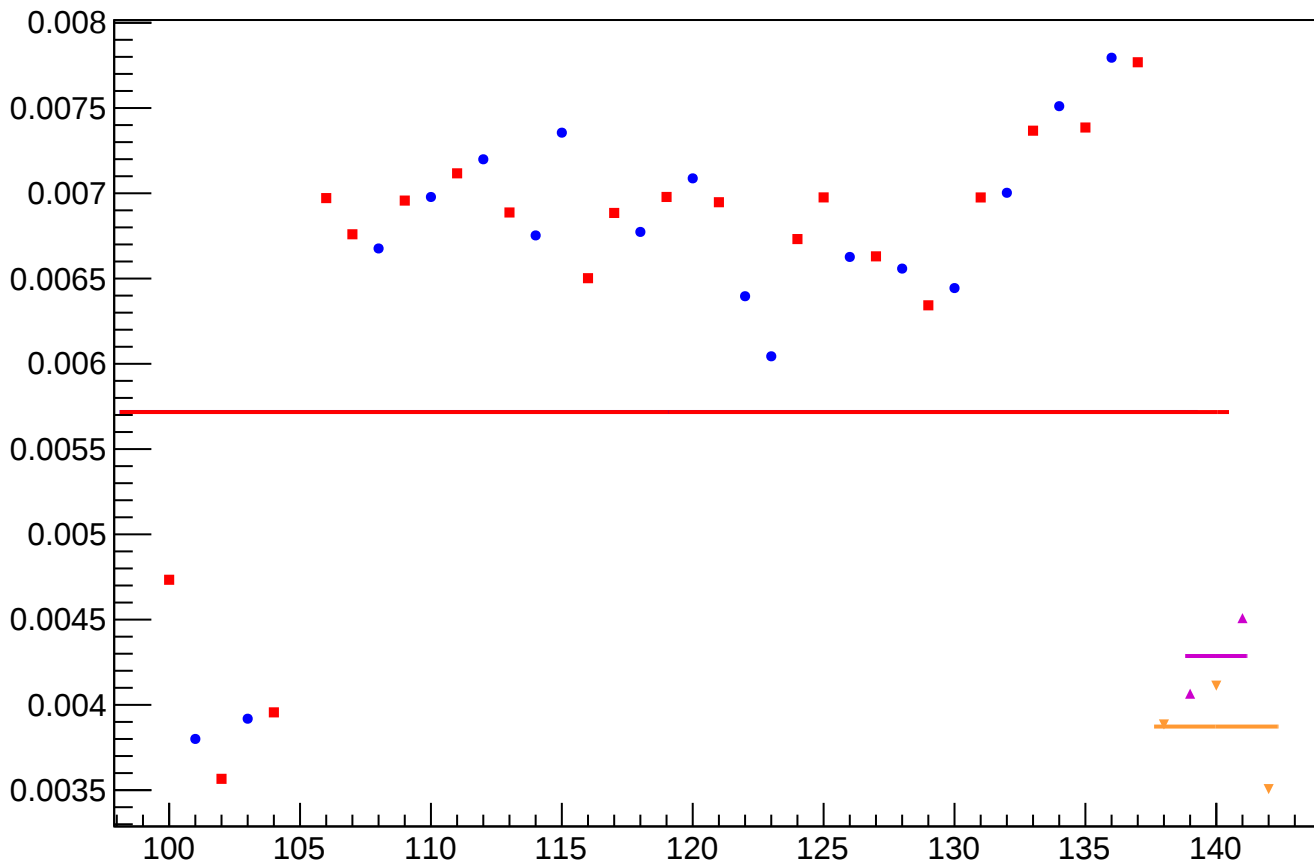
Right Out: -1.074+/-0.000 χ^2/NDF : 47208439320.8/19

Left In: 1.317+/-0.000 χ^2/NDF : 151053259.5/1

-0.151+/-0.000 χ^2/NDF : 456857534752.8/19

-0.375+/-0.000 χ^2/NDF : 364513031972.6/21

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 837775.0/16

Left Out: 0.004+/-0.000 χ^2/NDF :13646.1/2

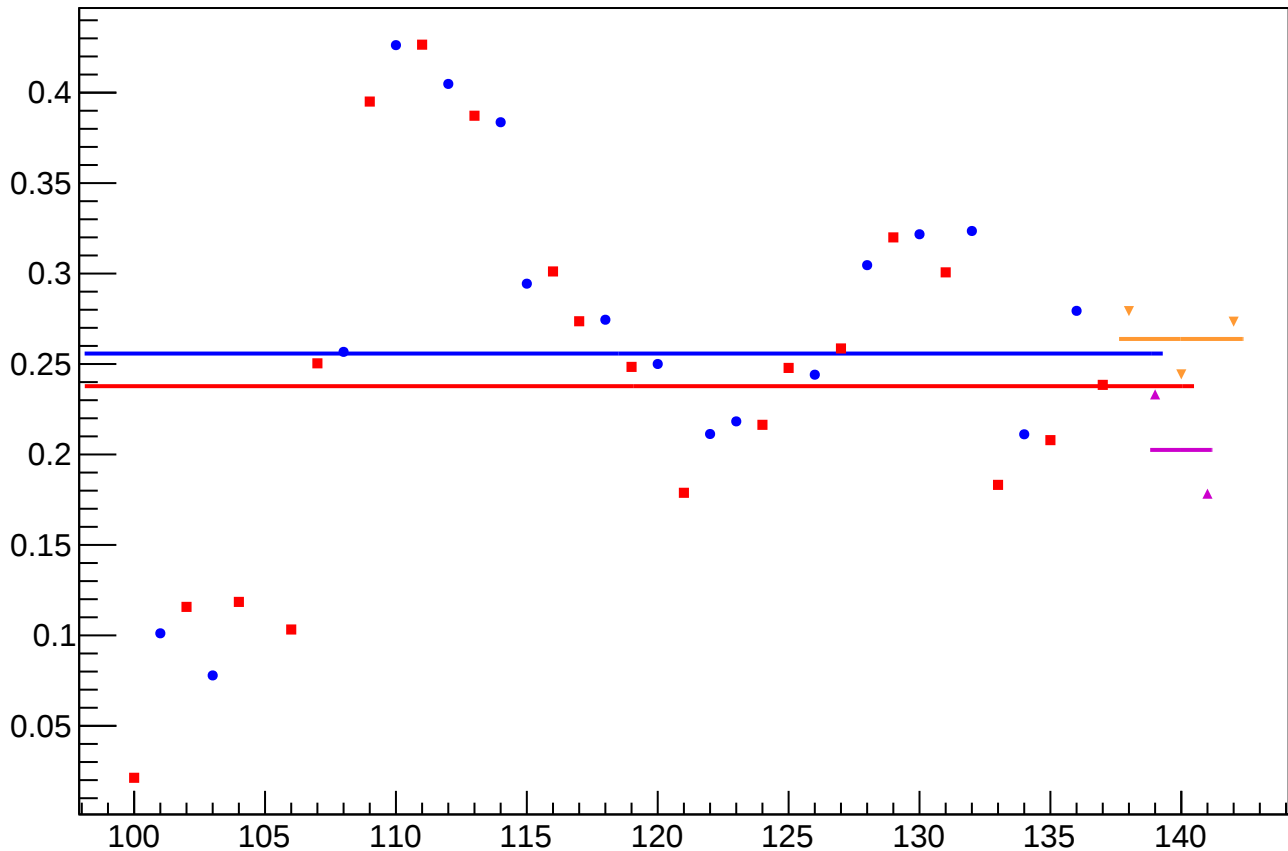
Right Out: 0.006+/-0.000 χ^2/NDF : 925957.4/19

Left In: 0.004+/-0.000 χ^2/NDF :7690.0/1

0.005+/-0.000 χ^2/NDF : 1350020.7/19

0.005+/-0.000 χ^2/NDF : 1160532.7/21

yield_bpm2i01X_mean vs Slug



Right In: 0.256+/-0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.264+/-0.000 χ^2/NDF : 186053733.3/2

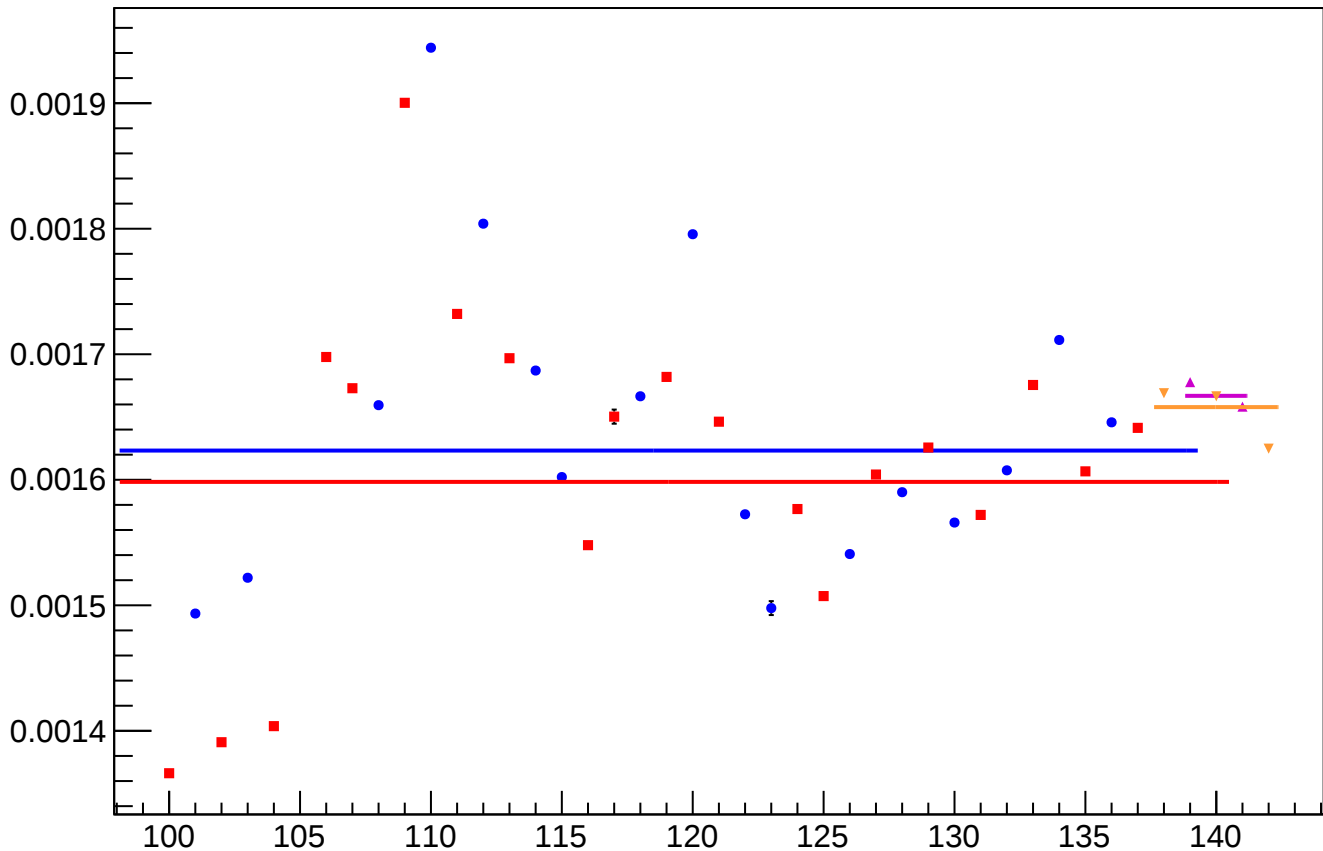
Right Out: 0.238+/-0.000 χ^2/NDF : 26077768189.7/19

Left In: 0.203+/-0.000 χ^2/NDF : 404654192.8/1

0.258+/-0.000 χ^2/NDF : 21587259978.8/19

0.232+/-0.000 χ^2/NDF : 27046988585.4/21

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 52468.7/16

Left Out: 0.002+/-0.000 χ^2/NDF : 460.1/2

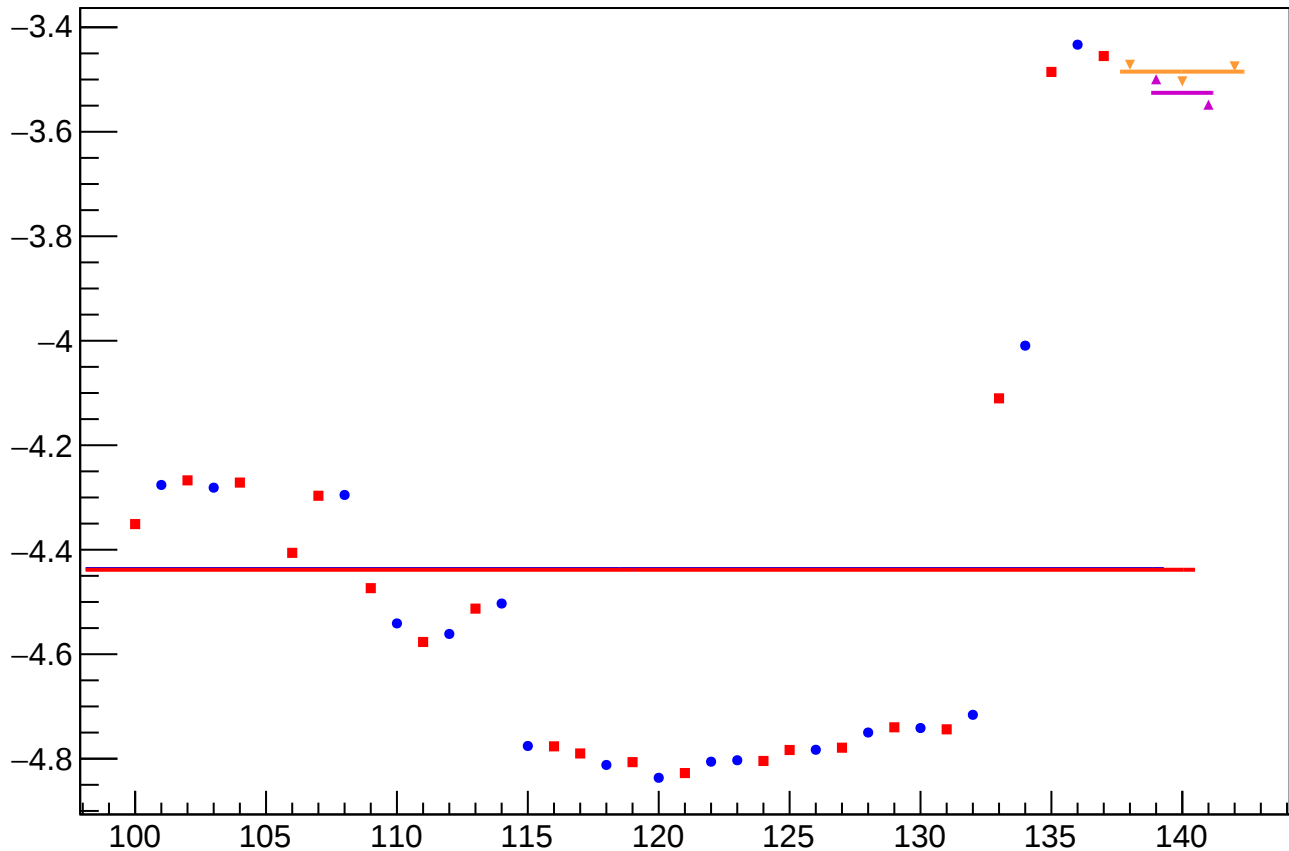
Right Out: 0.002+/-0.000 χ^2/NDF : 90764.4/19

Left In: 0.002+/-0.000 χ^2/NDF : 102.5/1

0.002+/-0.000 χ^2/NDF : 54245.0/19

0.002+/-0.000 χ^2/NDF : 95140.7/21

yield_bpm2i01Y_mean vs Slug



Right In: -4.437+/-0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.485+/-0.000 χ^2/NDF : 129418424.8/2

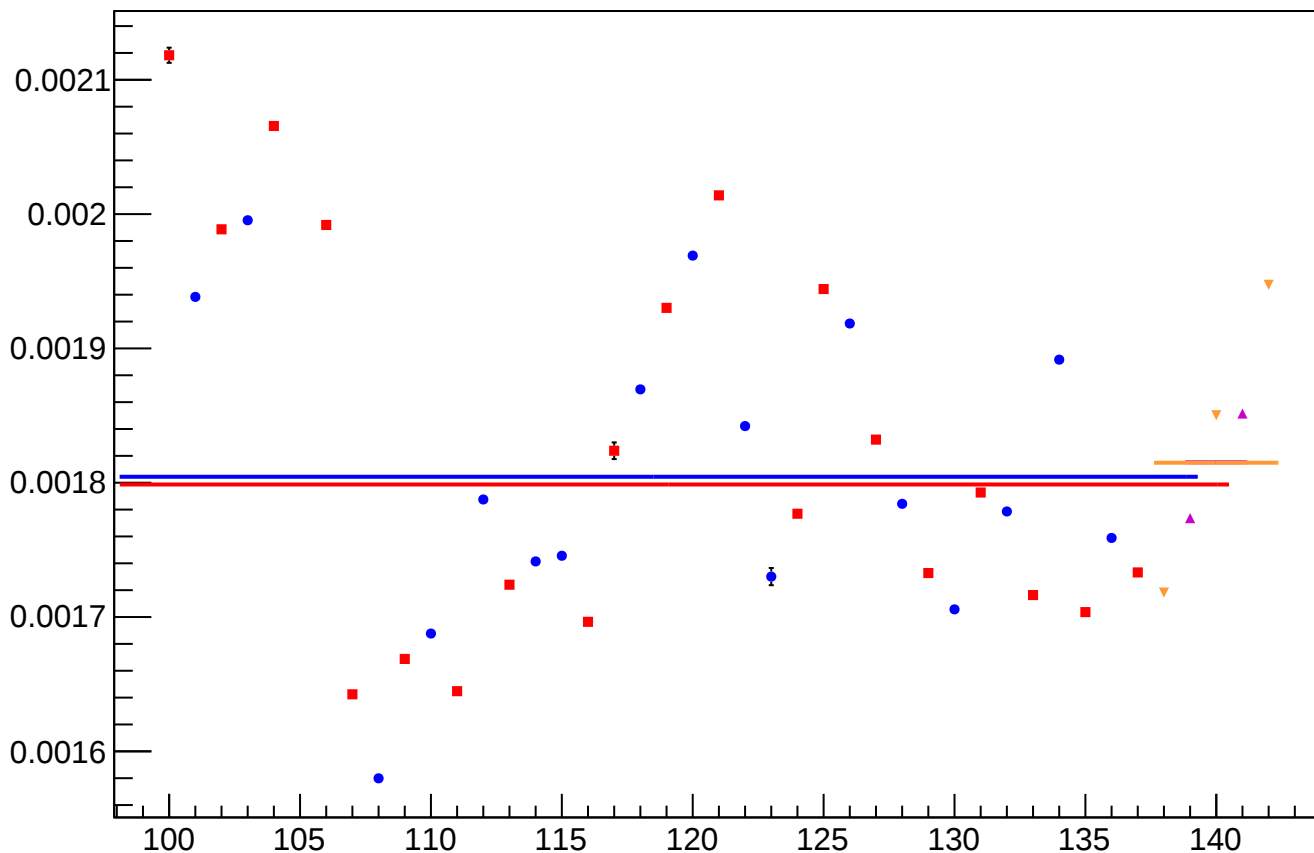
Right Out: -4.438+/-0.000 χ^2/NDF : 326800745779.7/19

Left In: -3.525+/-0.000 χ^2/NDF : 267491662.8/1

-4.226+/-0.000 χ^2/NDF : 794309327558.9/19

-4.278+/-0.000 χ^2/NDF : 639286252027.5/21

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 49103.2/16

Left Out: 0.002+/-0.000 χ^2/NDF : 8811.8/2

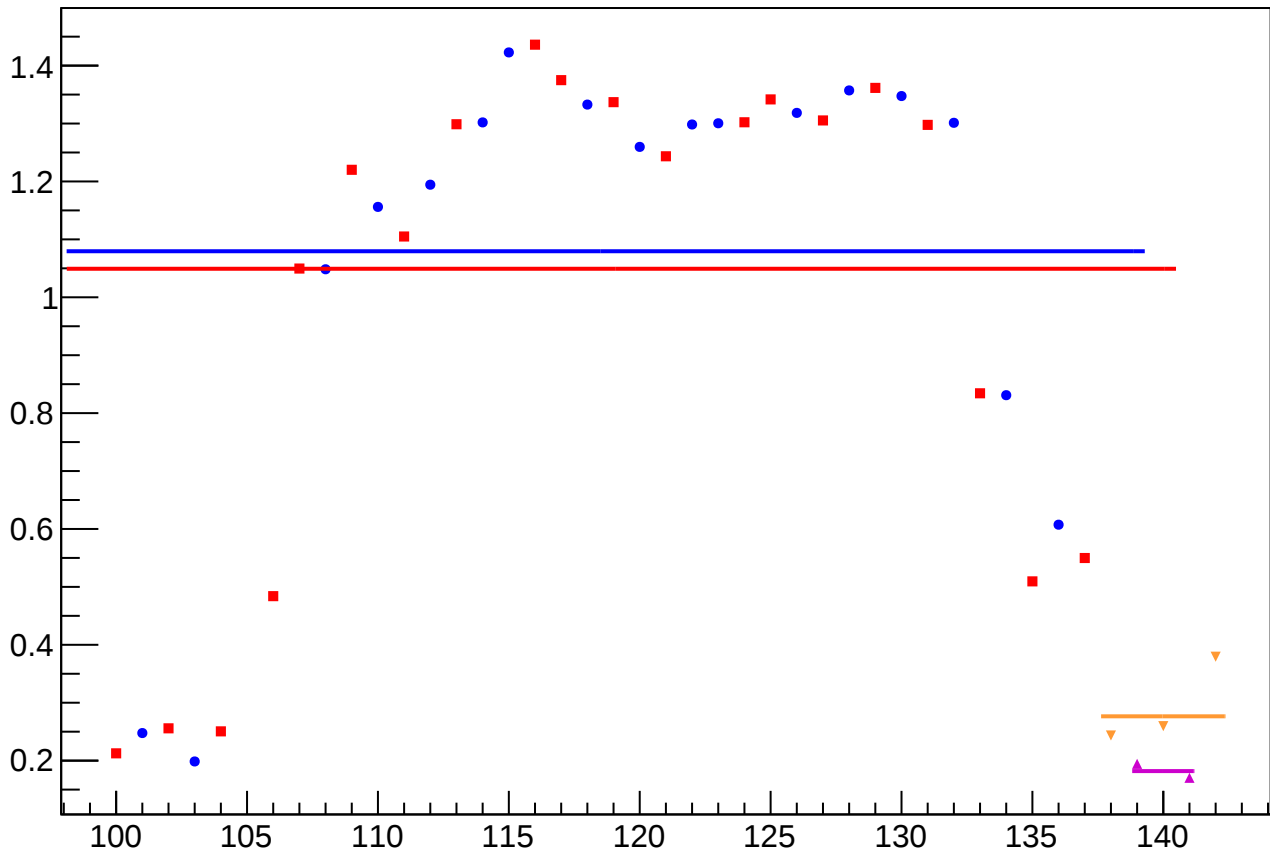
Right Out: 0.002+/-0.000 χ^2/NDF : 81037.5/19

Left In: 0.002+/-0.000 χ^2/NDF : 1371.4/1

0.002+/-0.000 χ^2/NDF : 58012.0/19

0.002+/-0.000 χ^2/NDF : 82614.2/21

yield_bpm2i02X_mean vs Slug



Right In: 1.080+/-0.000 χ^2/NDF : 17533321220.5/16

Left Out: 0.277+/-0.000 χ^2/NDF : 53002752.2/2

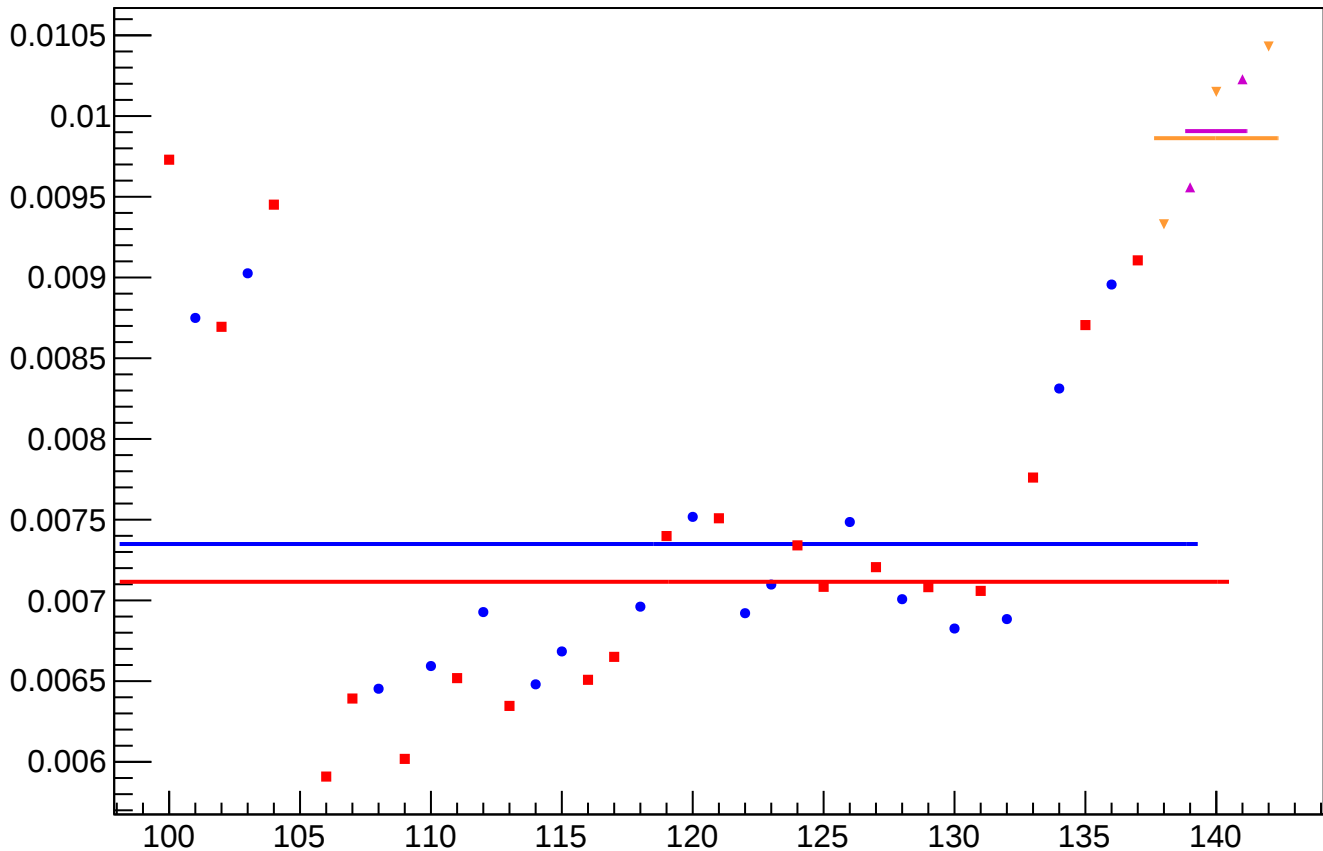
0.967+/-0.000 χ^2/NDF : 28627968868.1/19

Right Out: 1.049+/-0.000 χ^2/NDF : 19787986428.4/19

0.962+/-0.000 χ^2/NDF : 30257672170.0/21

Left In: 0.182+/-0.000 χ^2/NDF : 2244368.1/1

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 180818.7/16

Left Out: 0.010+/-0.000 χ^2/NDF :8530.3/2

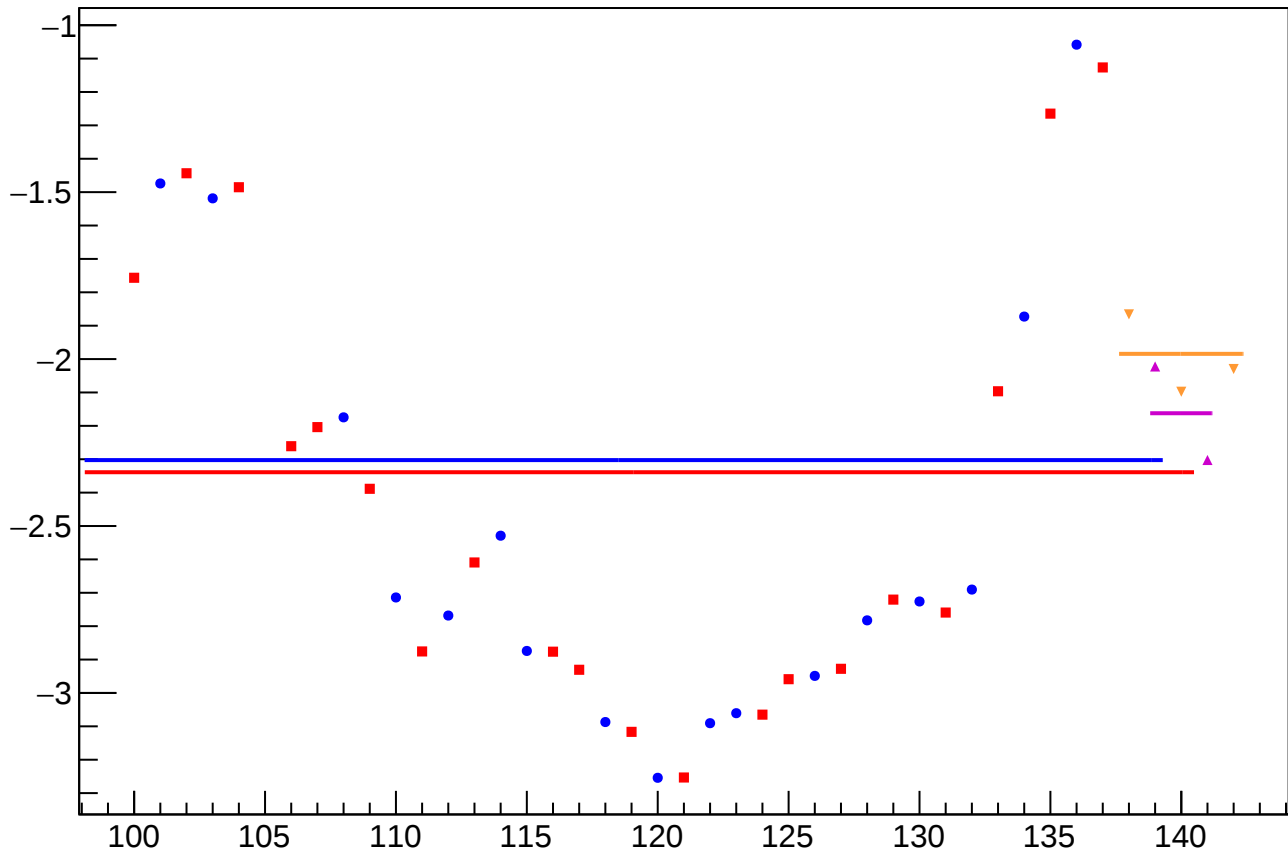
Right Out: 0.007+/-0.000 χ^2/NDF : 259539.3/19

Left In: 0.010+/-0.000 χ^2/NDF :3459.2/1

0.008+/-0.000 χ^2/NDF : 405731.2/19

0.007+/-0.000 χ^2/NDF : 479858.5/21

yield_bpm2i02Y_mean vs Slug



Right In: -2.303+/-0.000 χ^2/NDF : 73755914805.8/16

Left Out: -1.984+/-0.000 χ^2/NDF : 273142634.7/2

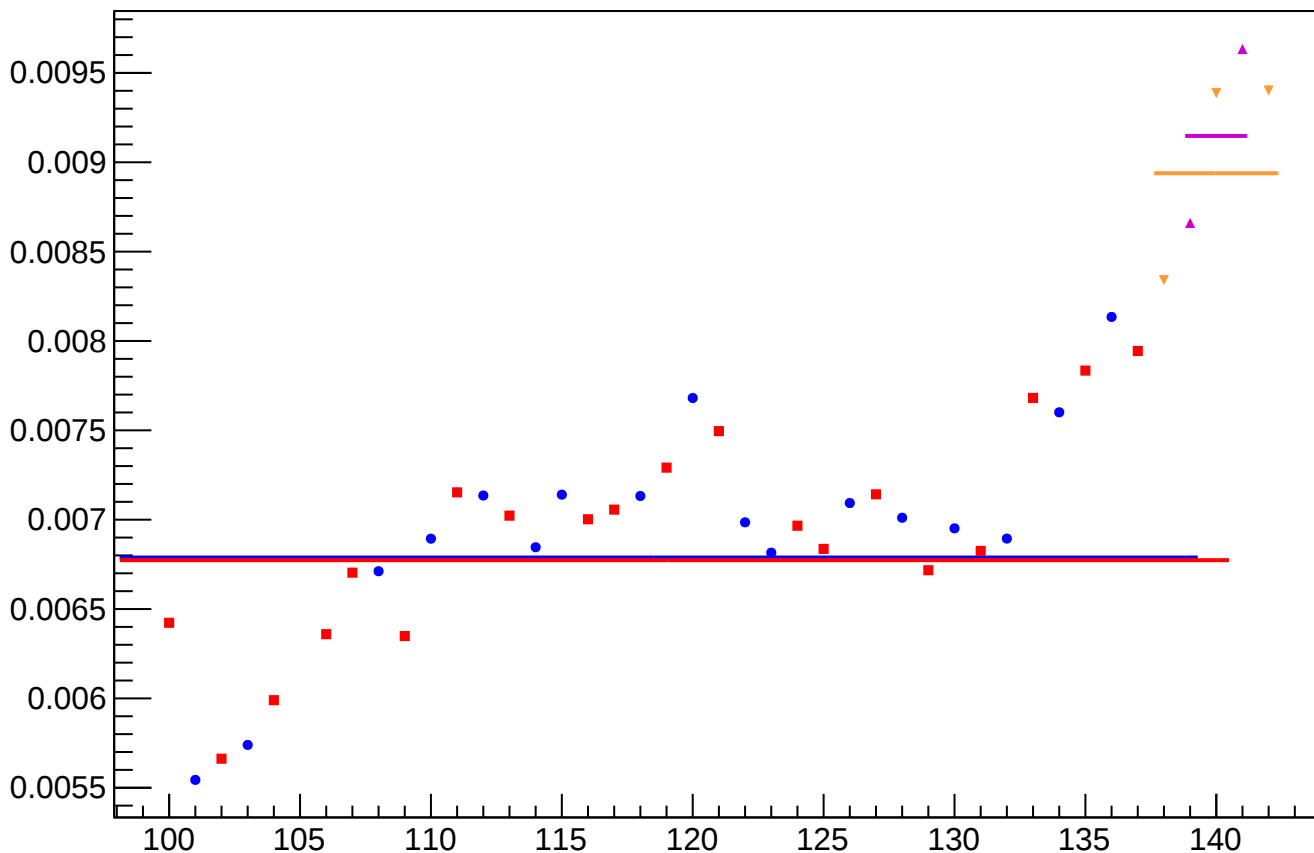
-2.256+/-0.000 χ^2/NDF : 76141963166.1/19

Right Out: -2.339+/-0.000 χ^2/NDF : 64804828308.5/19

-2.320+/-0.000 χ^2/NDF : 65666875566.6/21

Left In: -2.162+/-0.000 χ^2/NDF : 355521075.9/1

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 165199.2/16

Left Out: 0.009+/-0.000 χ^2/NDF :13231.8/2

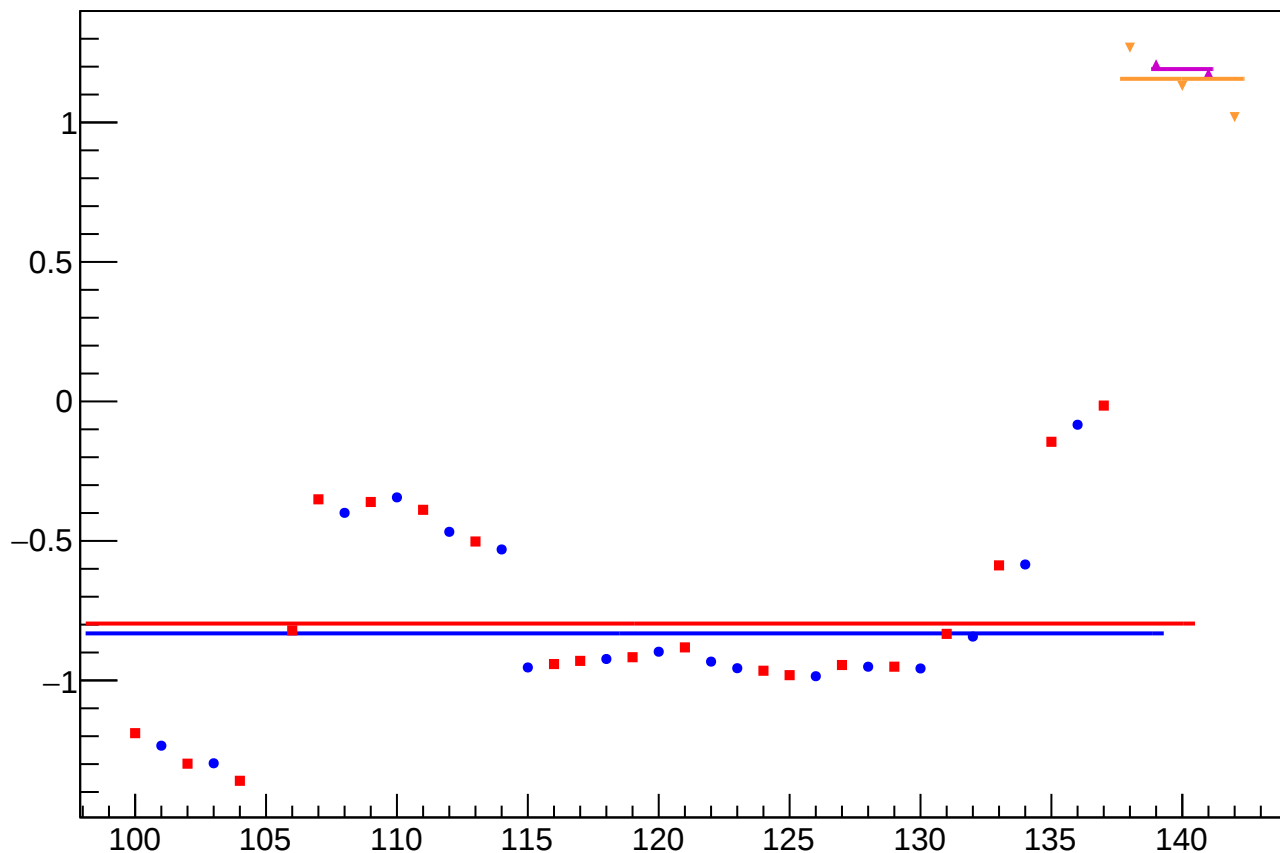
Right Out: 0.007+/-0.000 χ^2/NDF : 123383.6/19

Left In: 0.009+/-0.000 χ^2/NDF :8580.1/1

0.007+/-0.000 χ^2/NDF : 371398.0/19

0.007+/-0.000 χ^2/NDF : 314857.4/21

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 6692170860.9/16

Left Out: 1.156 ± 0.000 χ^2/NDF : 117980012.0/2

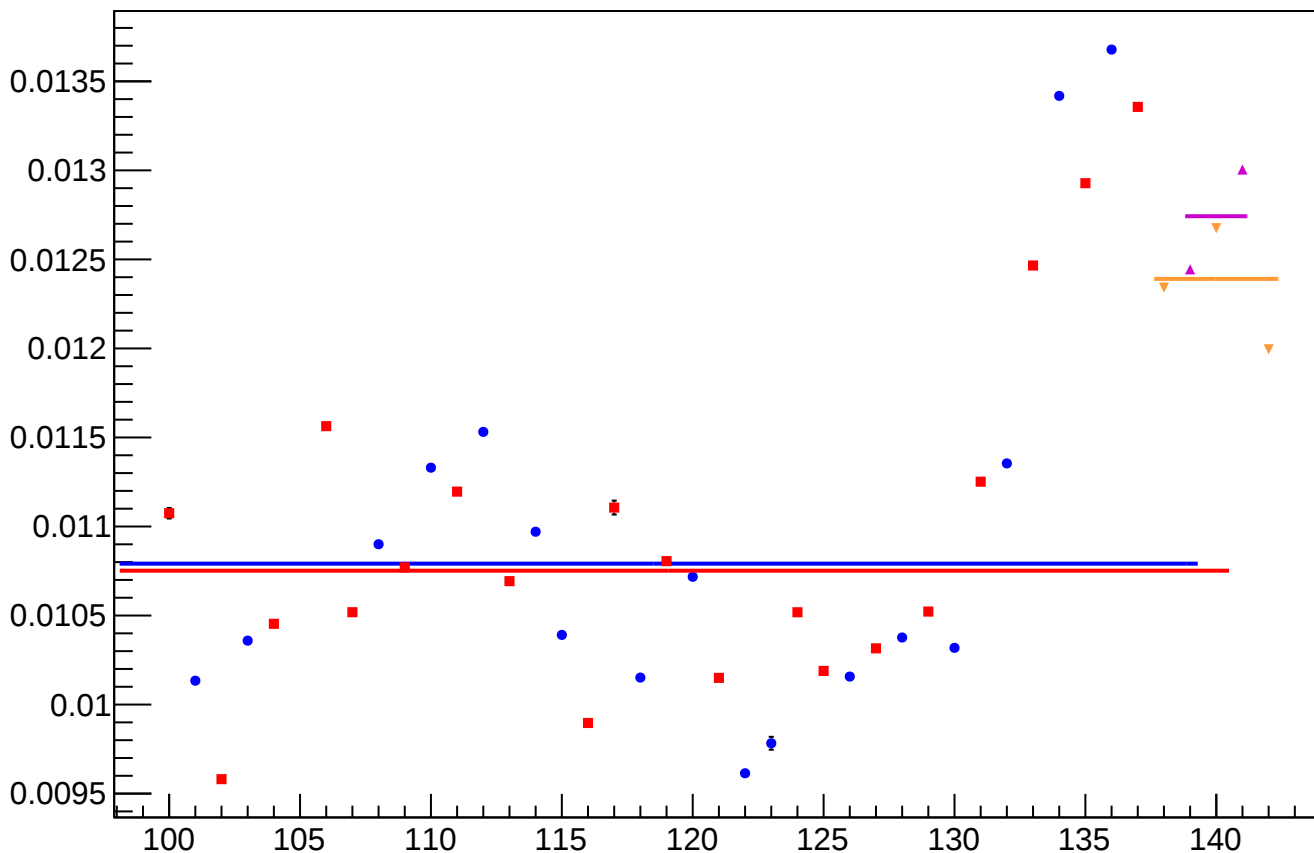
Right Out: -0.796 ± 0.000 χ^2/NDF : 7827622544.3/19

Left In: 1.191 ± 0.000 χ^2/NDF : 2405693.8/1

-0.468 ± 0.000 χ^2/NDF : 47540228639.8/19

-0.529 ± 0.000 χ^2/NDF : 39756337118.6/21

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 125802.4/16

Left Out: 0.012+/-0.000 χ^2/NDF :1743.1/2

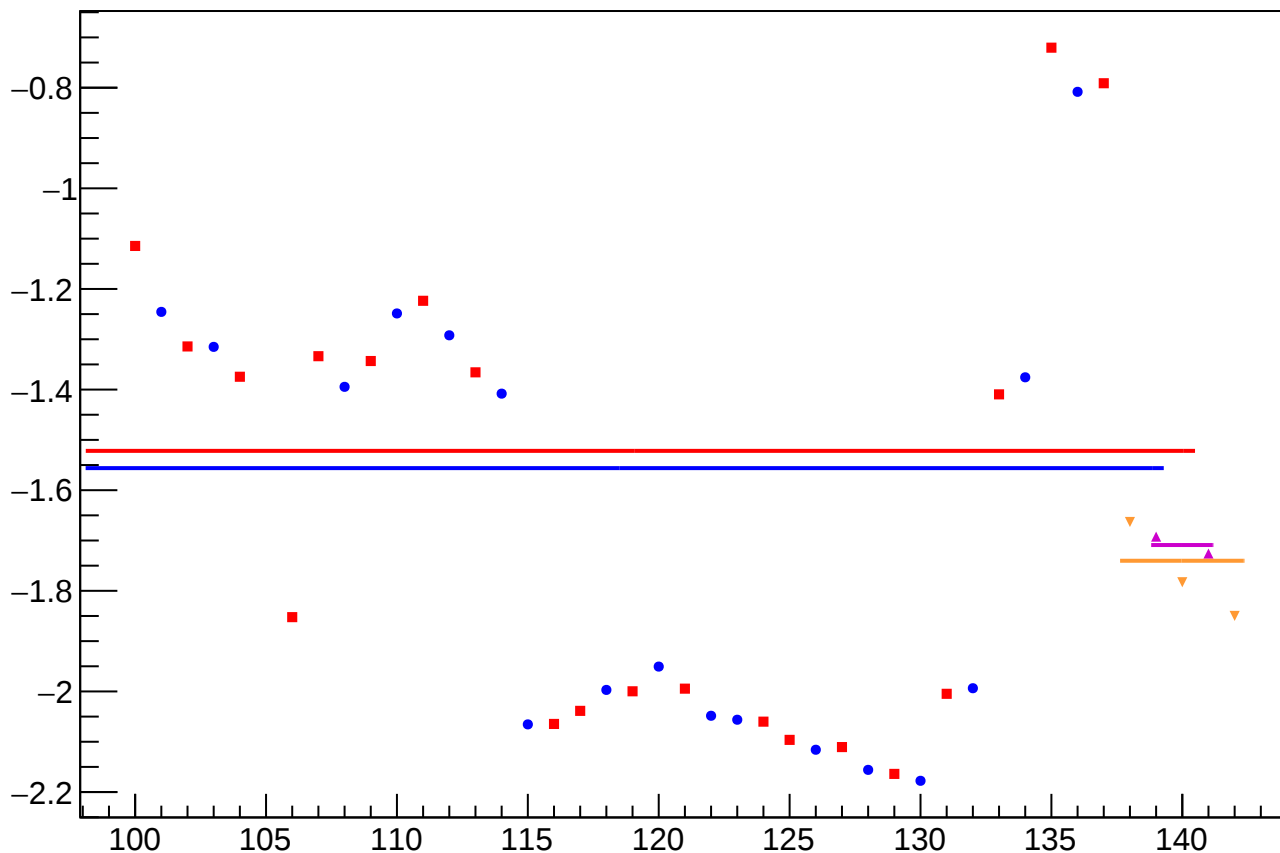
Right Out: 0.011+/-0.000 χ^2/NDF : 90303.3/19

Left In: 0.013+/-0.000 χ^2/NDF :1461.0/1

0.011+/-0.000 χ^2/NDF : 180262.6/19

0.011+/-0.000 χ^2/NDF : 155807.3/21

yield_bpm0i01Y_mean vs Slug



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: -1.740+/-0.000 χ^2/NDF : 1254275728.4/2

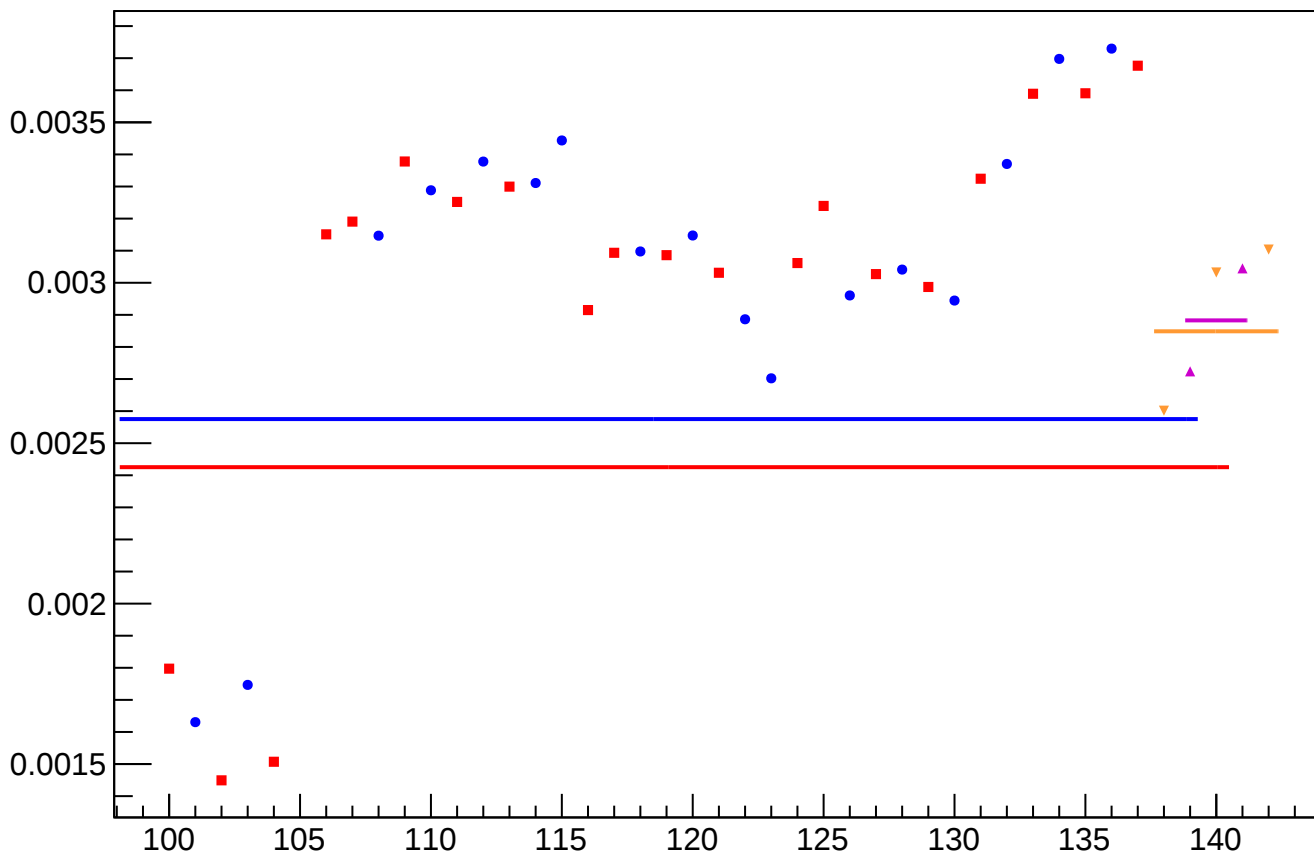
Right Out: -1.522+/-0.000 χ^2/NDF : 139385229659.4/19

Left In: -1.709+/-0.000 χ^2/NDF : 49450352.9/1

-1.595+/-0.000 χ^2/NDF : 162334849790.4/19

-1.550+/-0.000 χ^2/NDF : 144604521529.0/21

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1013833.9/16

Left Out: 0.003+/-0.000 χ^2/NDF :23606.3/2

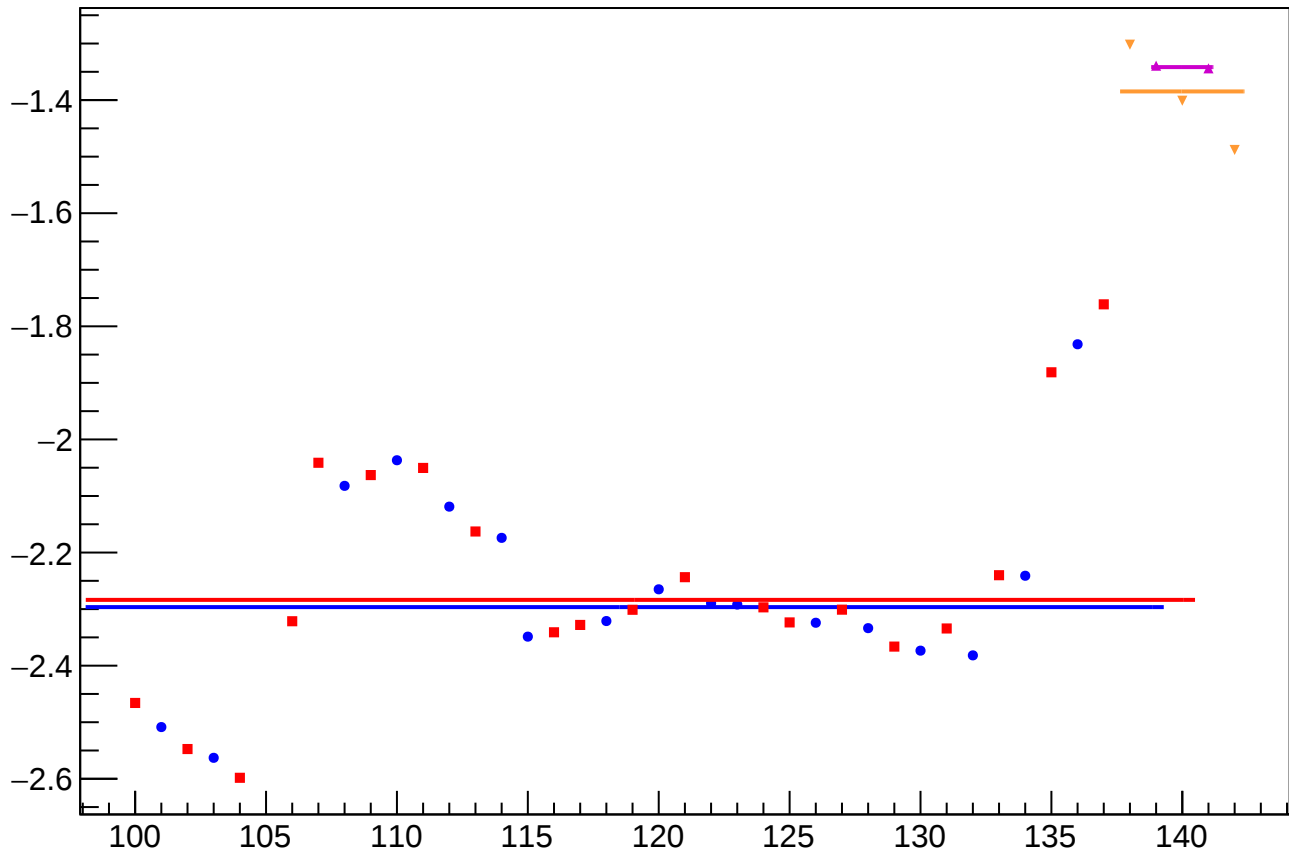
Right Out: 0.002+/-0.000 χ^2/NDF : 1493210.7/19

Left In: 0.003+/-0.000 χ^2/NDF :8965.7/1

0.003+/-0.000 χ^2/NDF : 1064409.7/19

0.002+/-0.000 χ^2/NDF : 1563951.1/21

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -1.385+/-0.000 χ^2/NDF :135899105.5/2

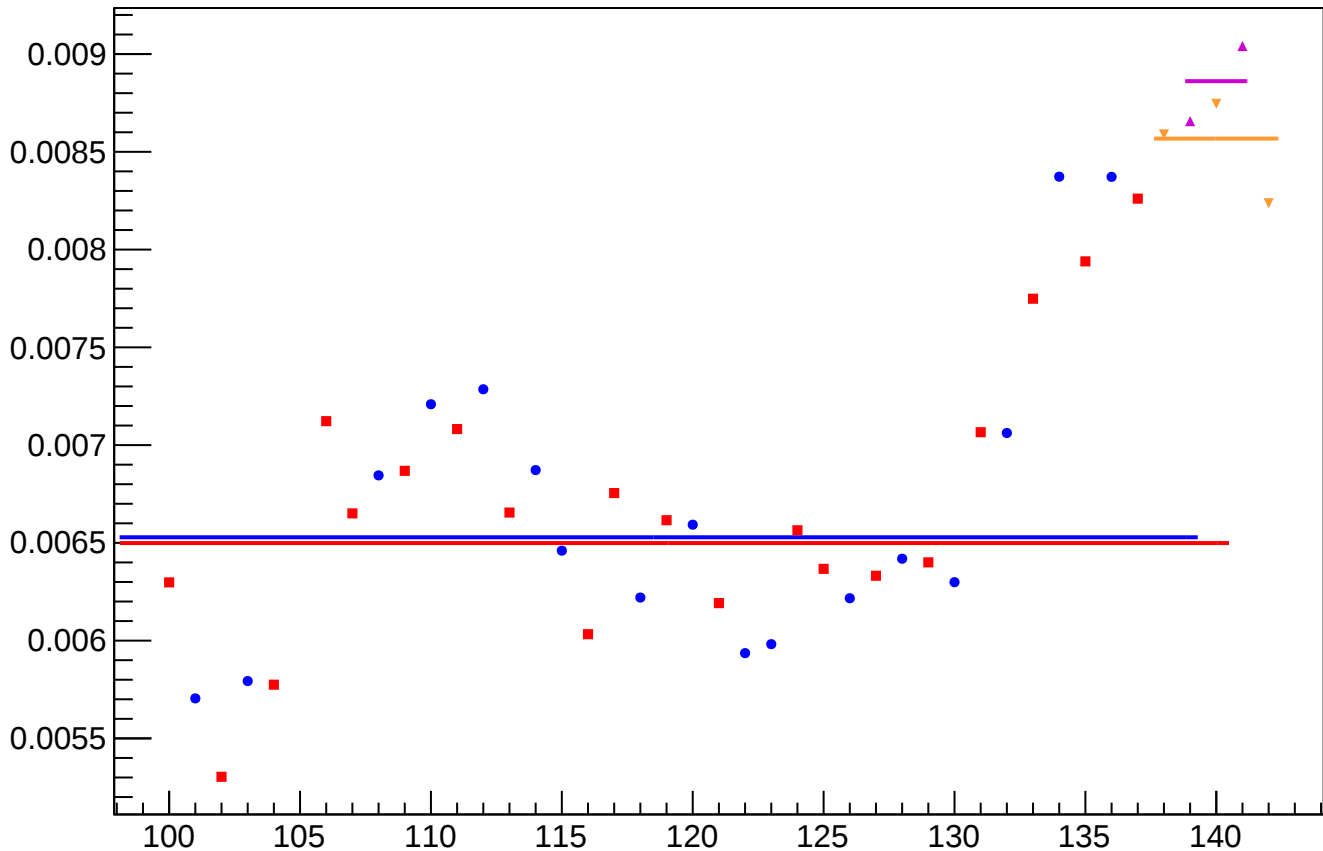
Right Out: -2.284+/-0.000 χ^2/NDF : 6550363990.6/19

Left In: -1.342+/-0.000 χ^2/NDF :105641.6/1

-2.162+/-0.000 χ^2/NDF : 24538651951.9/19

-2.183+/-0.000 χ^2/NDF : 21809680408.2/21

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 176467.7/16

Left Out: 0.009+/-0.000 χ^2/NDF :2014.3/2

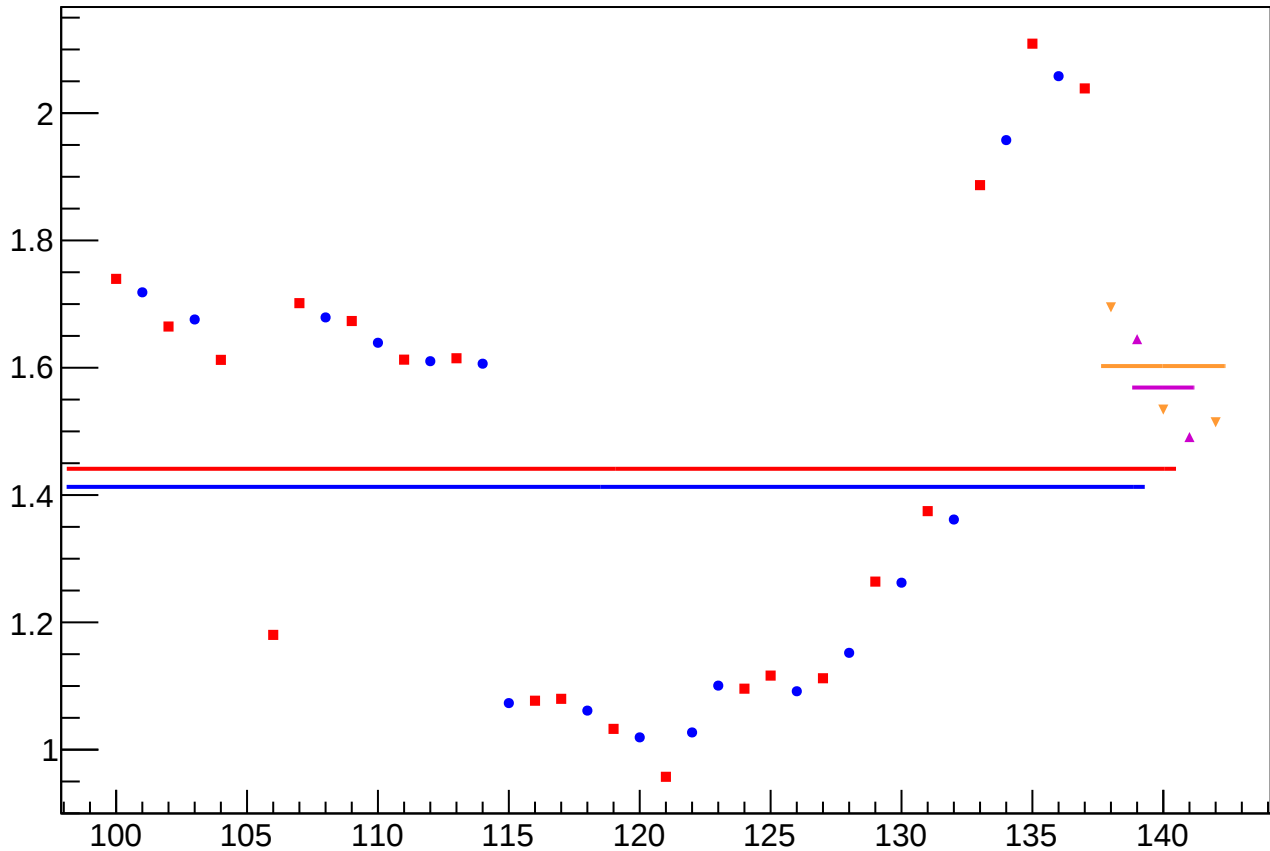
Right Out: 0.006+/-0.000 χ^2/NDF : 164253.8/19

Left In: 0.009+/-0.000 χ^2/NDF :1414.2/1

0.007+/-0.000 χ^2/NDF : 364723.4/19

0.007+/-0.000 χ^2/NDF : 357606.9/21

yield_bpm0i01aY_mean vs Slug



Right In: 1.413 $\pm$ 0.000 χ^2/NDF : 172560306608.0/16

Left Out: 1.603 $\pm$ 0.000 χ^2/NDF : 590993851.5/2

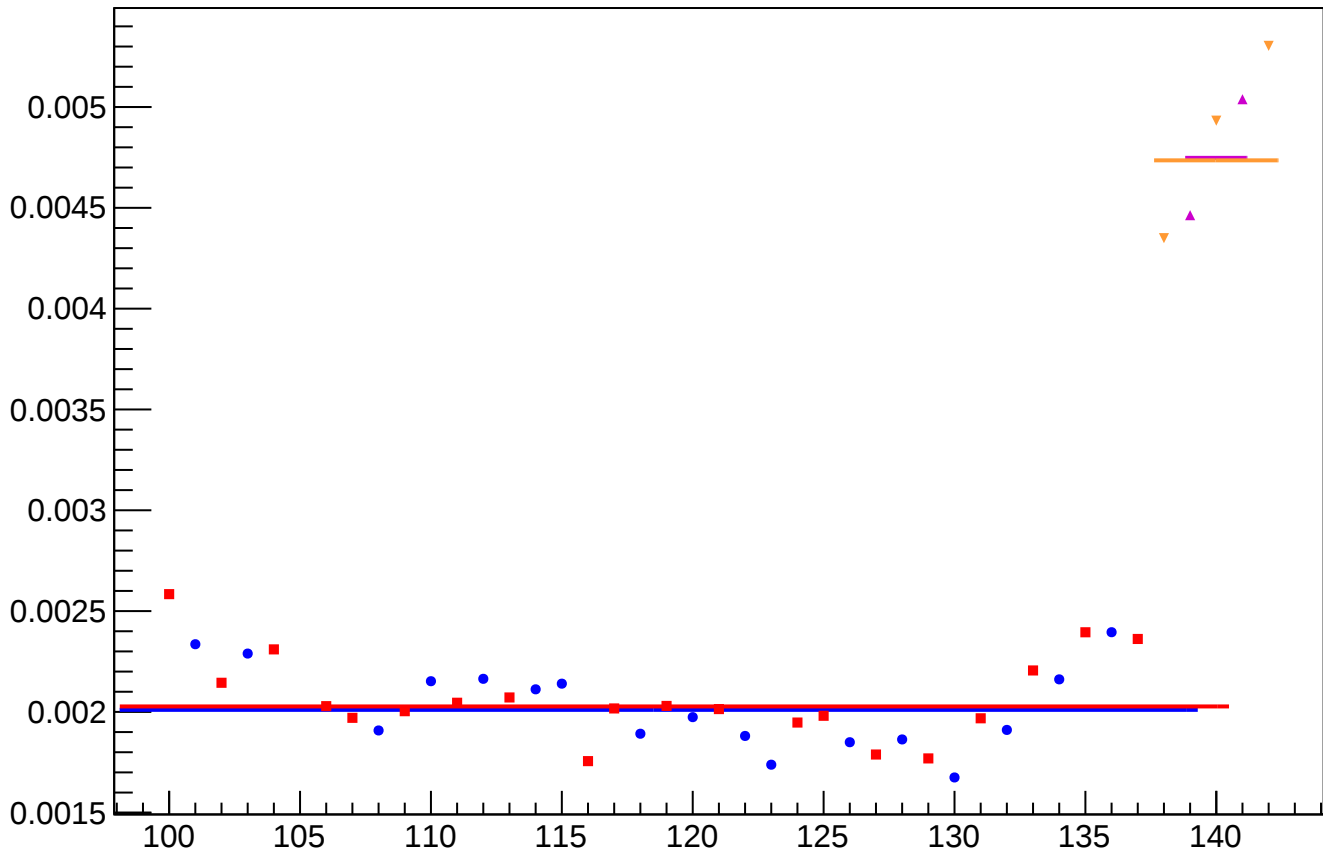
1.423 $\pm$ 0.000 χ^2/NDF : 176062073594.5/19

Right Out: 1.441 $\pm$ 0.000 χ^2/NDF : 174346888744.4/19

1.446 $\pm$ 0.000 χ^2/NDF : 175777310368.1/21

Left In: 1.569 $\pm$ 0.000 χ^2/NDF : 392480378.0/1

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 152530.4/16

Left Out: 0.005+/-0.000 χ^2/NDF :23327.8/2

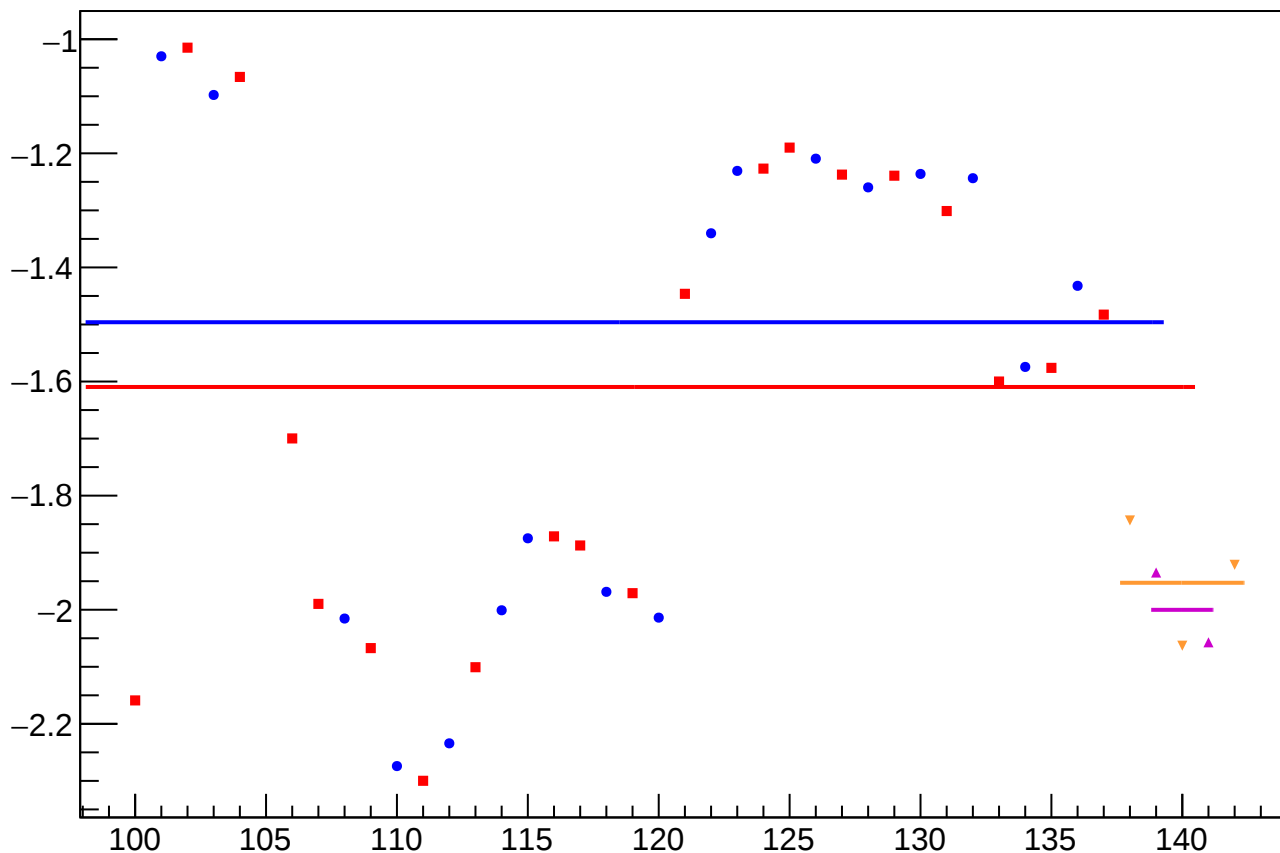
Right Out: 0.002+/-0.000 χ^2/NDF : 103927.8/19

Left In: 0.005+/-0.000 χ^2/NDF :10975.8/1

0.002+/-0.000 χ^2/NDF : 1376286.3/19

0.002+/-0.000 χ^2/NDF : 1058044.6/21

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.953+/-0.000 χ^2/NDF : 615597680.0/2

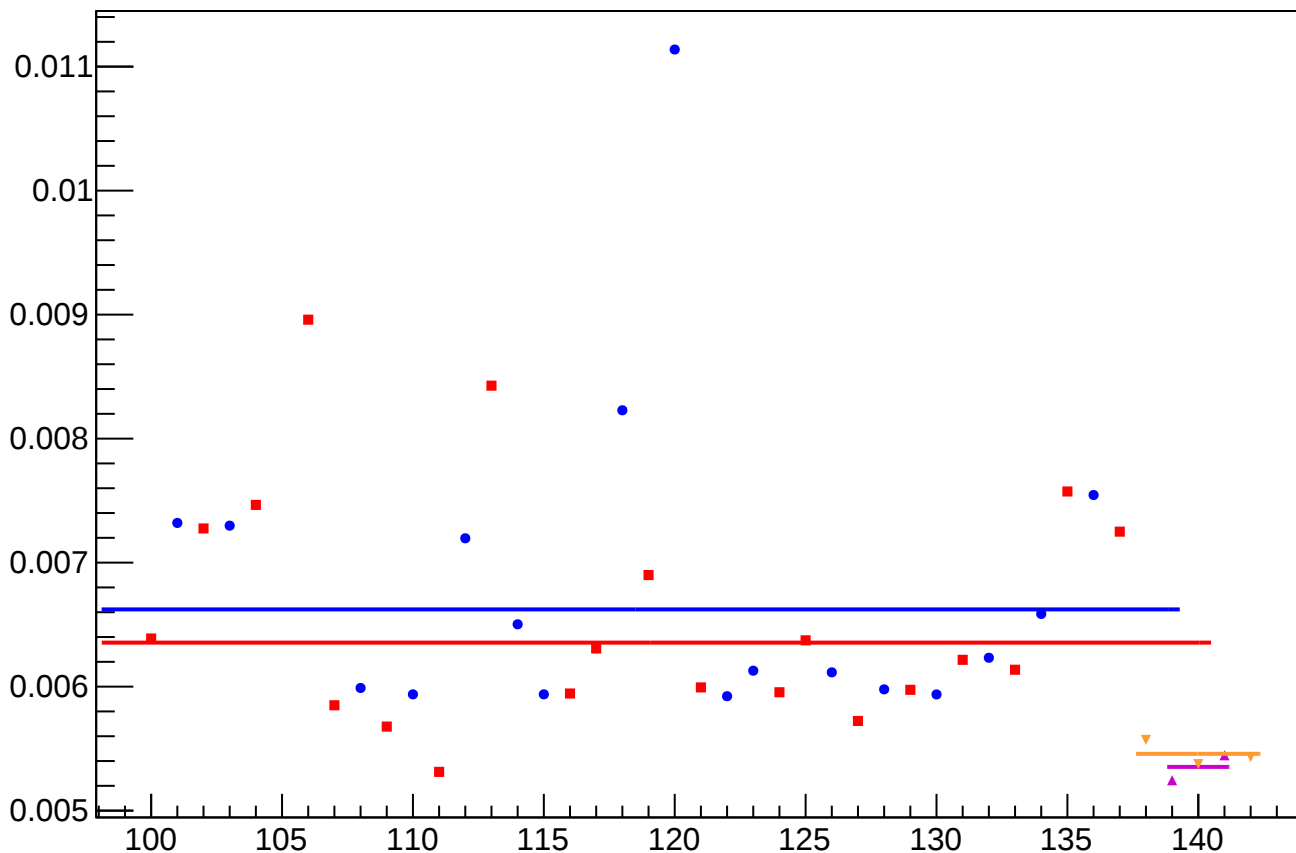
Right Out: -1.610+/-0.000 χ^2/NDF : 27919840690.9/19

Left In: -2.000+/-0.000 χ^2/NDF : 193171996.7/1

-1.640+/-0.000 χ^2/NDF : 32262147355.5/19

-1.703+/-0.000 χ^2/NDF : 34129114330.4/21

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 232630.4/16

Left Out: 0.005+/-0.000 χ^2/NDF :974.7/2

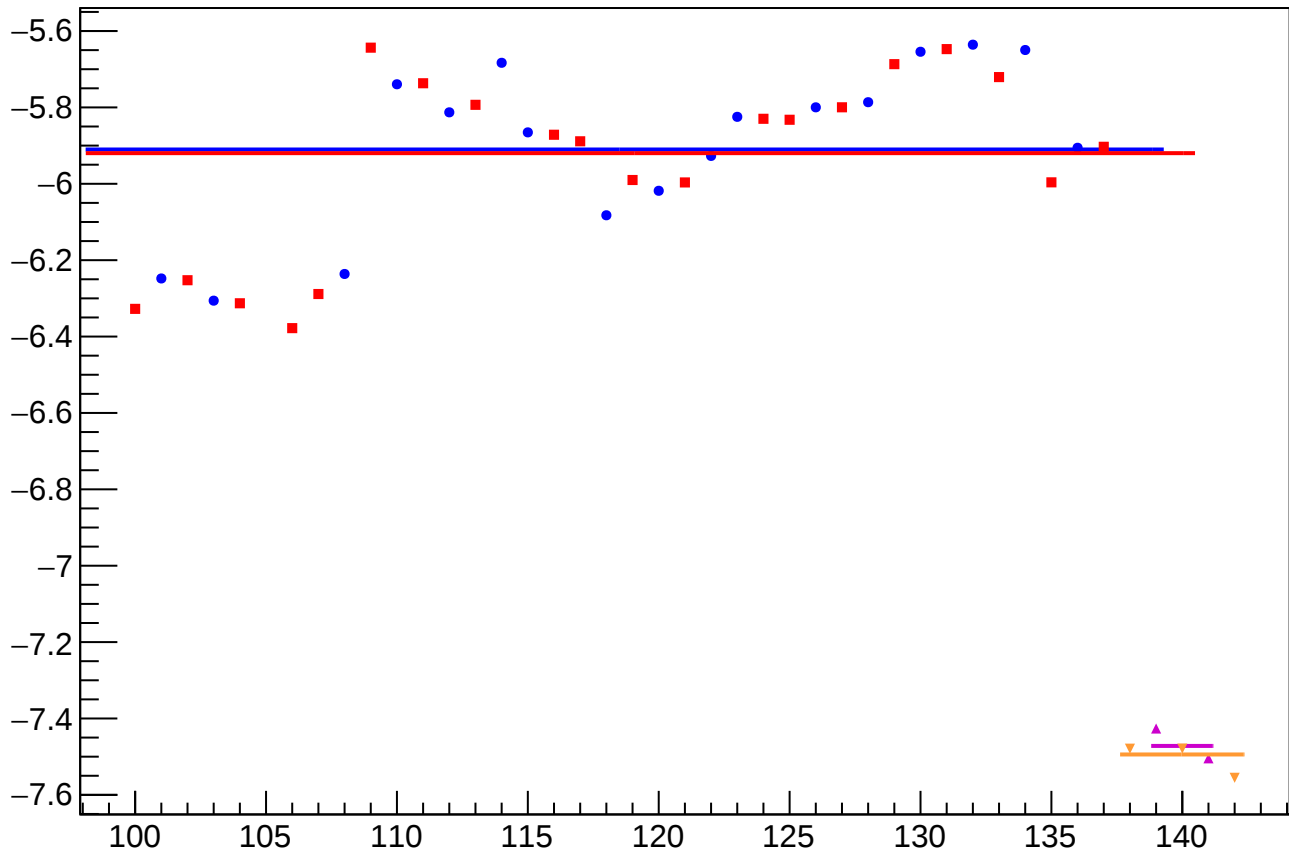
Right Out: 0.006+/-0.000 χ^2/NDF : 227865.9/19

Left In: 0.005+/-0.000 χ^2/NDF :1044.2/1

0.006+/-0.000 χ^2/NDF : 352243.2/19

0.006+/-0.000 χ^2/NDF : 308124.7/21

yield_bpm0l01Y_mean vs Slug



Right In: -5.910 $\pm$ 0.000 χ^2 /NDF: 11154434512.7/16

Left Out: -7.494 $\pm$ 0.000 χ^2 /NDF: 20551389.4/2

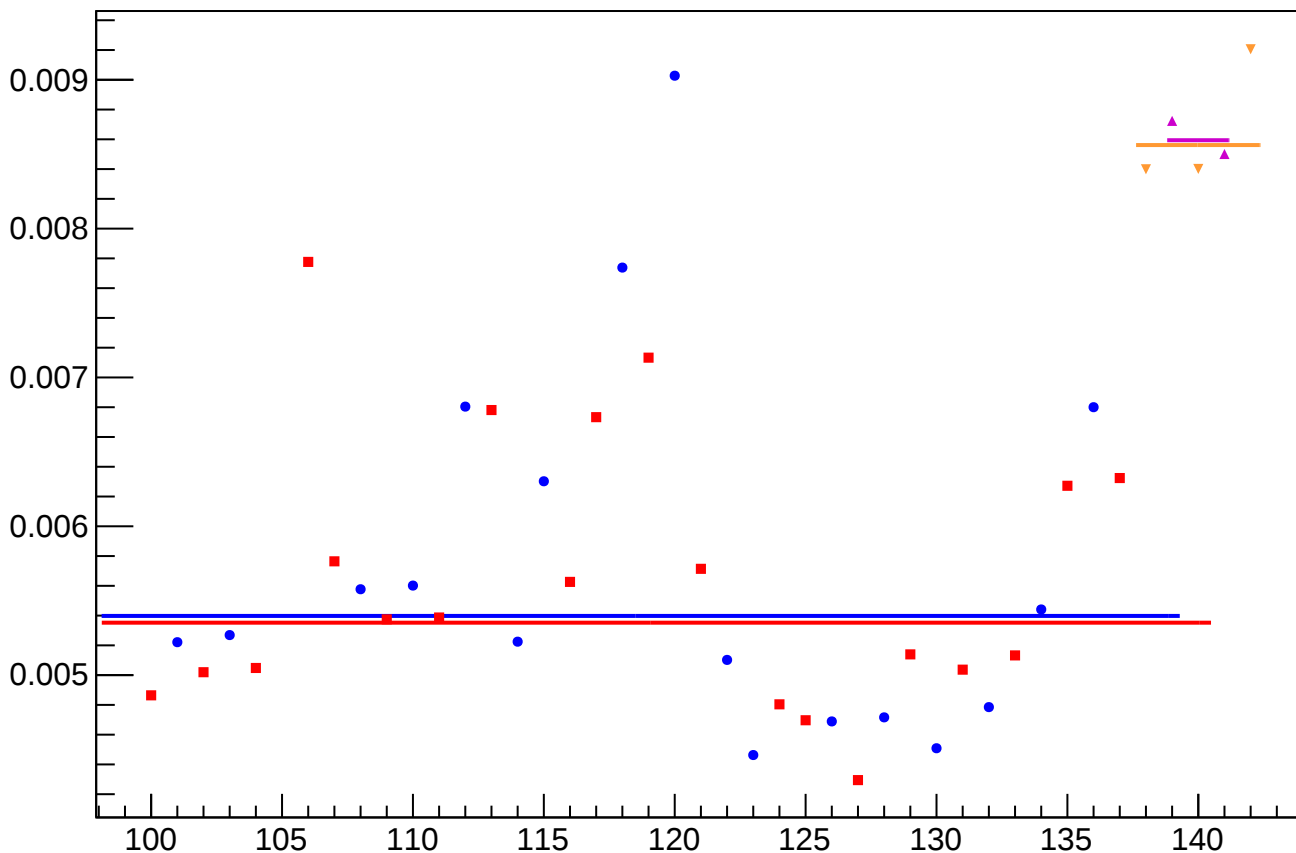
Right Out: -5.920 $\pm$ 0.000 χ^2 /NDF: 12786449843.6/19

Left In: -7.472 $\pm$ 0.000 χ^2 /NDF: 26001413.7/1

-6.065 $\pm$ 0.000 χ^2 /NDF: 60894488573.8/19

-6.033 $\pm$ 0.000 χ^2 /NDF: 52047958107.3/21

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 371347.4/16

Left Out: 0.009+/-0.000 χ^2/NDF :4566.0/2

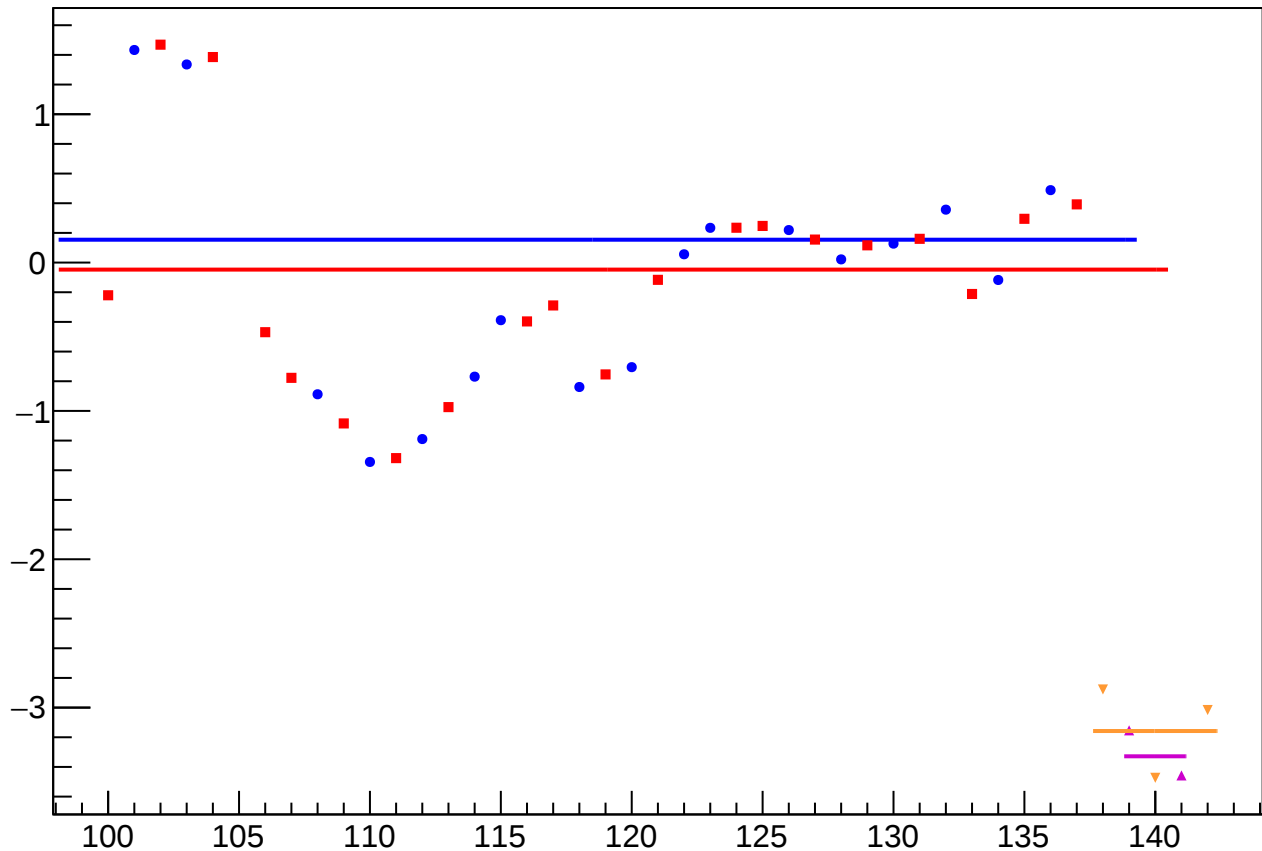
Right Out: 0.005+/-0.000 χ^2/NDF : 252664.1/19

Left In: 0.009+/-0.000 χ^2/NDF :422.6/1

0.006+/-0.000 χ^2/NDF : 772565.0/19

0.006+/-0.000 χ^2/NDF : 595365.5/21

yield_bpm0l02X_mean vs Slug



Right In: 0.154 ± 0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.158 ± 0.000 χ^2/NDF : 504170448.6/2

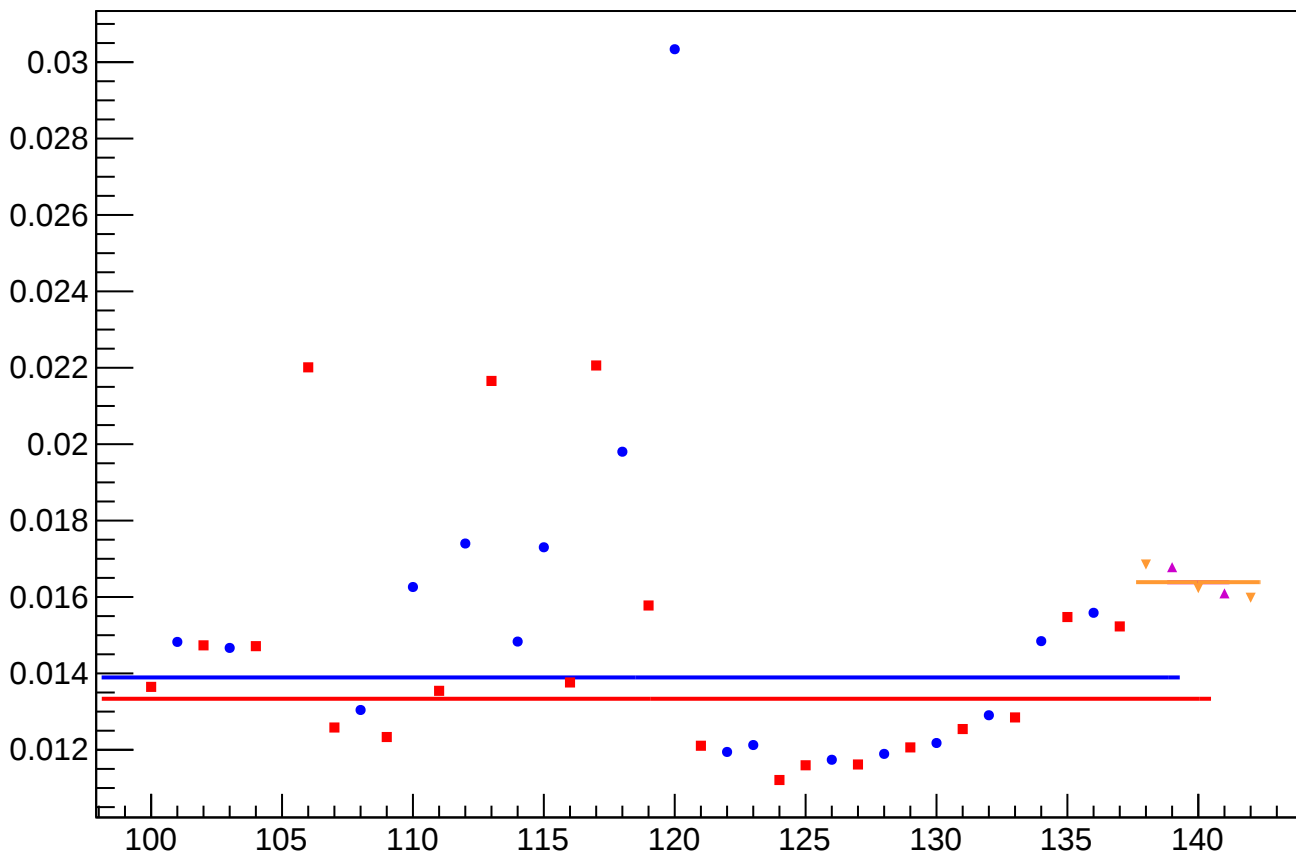
-0.452 ± 0.000 χ^2/NDF : 79026337405.7/19

Right Out: -0.047 ± 0.000 χ^2/NDF : 21216074494.2/19

-0.478 ± 0.000 χ^2/NDF : 72904946885.0/21

Left In: -3.328 ± 0.000 χ^2/NDF : 124374800.1/1

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 400569.4/16

Left Out: 0.016+/-0.000 χ^2/NDF :1700.6/2

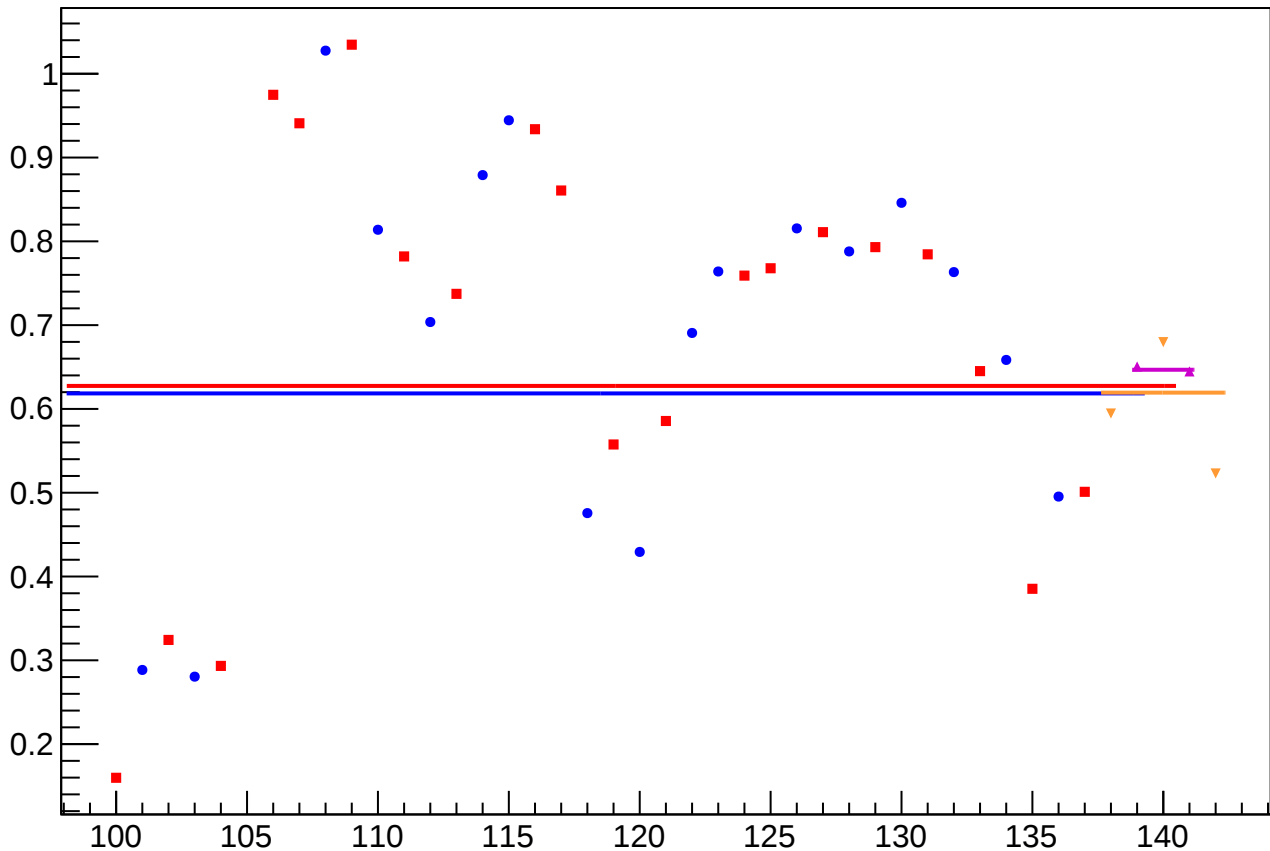
Right Out: 0.013+/-0.000 χ^2/NDF : 303459.9/19

Left In: 0.016+/-0.000 χ^2/NDF :1266.3/1

0.014+/-0.000 χ^2/NDF : 472048.7/19

0.014+/-0.000 χ^2/NDF : 393841.0/21

yield_bpm0l02Y_mean vs Slug



Right In: 0.619+/-0.000 χ^2/NDF : 5416939288.1/16

Left Out: 0.619+/-0.000 χ^2/NDF :126922377.3/2

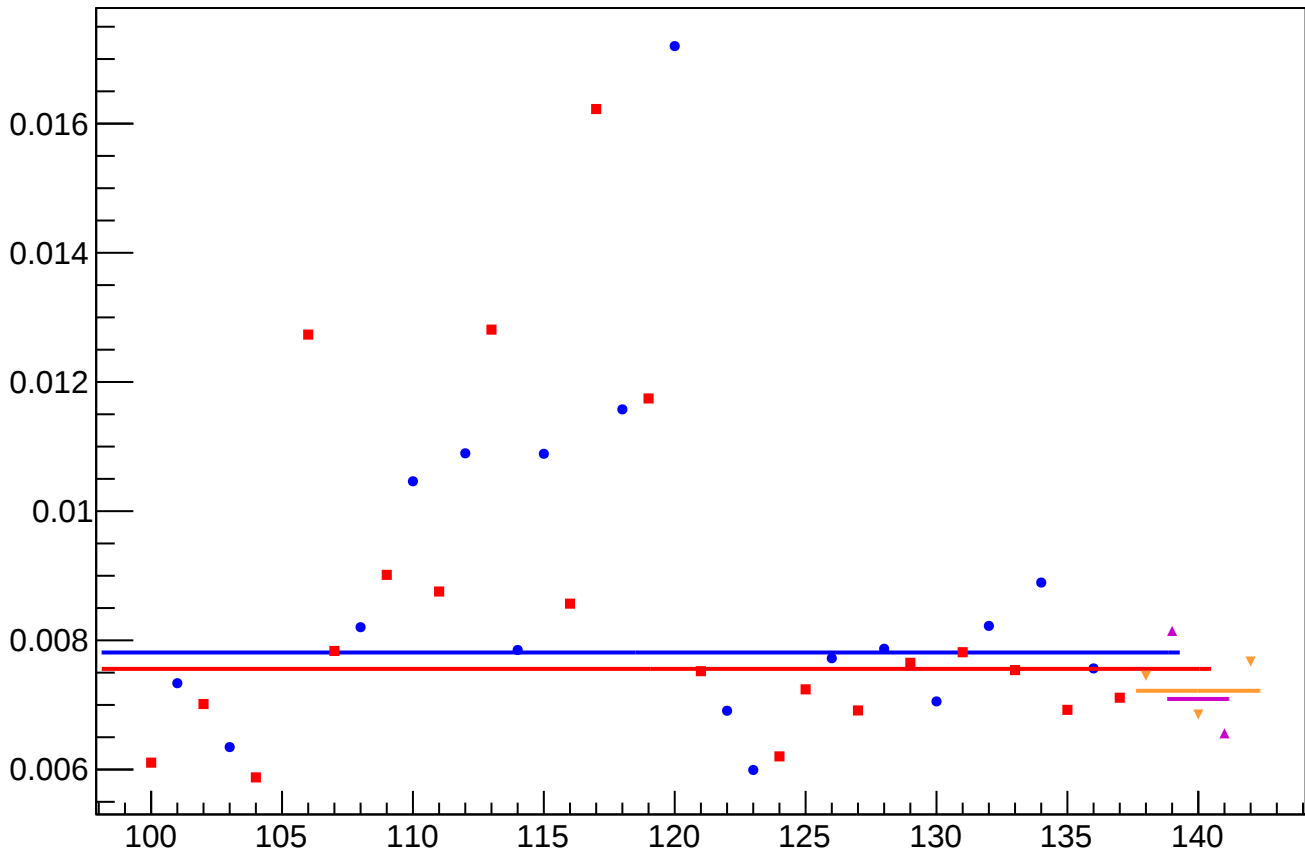
0.619+/-0.000 χ^2/NDF : 5543883788.6/19

Right Out: 0.627+/-0.000 χ^2/NDF : 6345684740.0/19

0.631+/-0.000 χ^2/NDF : 6354206790.1/21

Left In: 0.647+/-0.000 χ^2/NDF :217659.8/1

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 466827.3/16

Left Out: 0.007+/-0.000 χ^2/NDF :8206.7/2

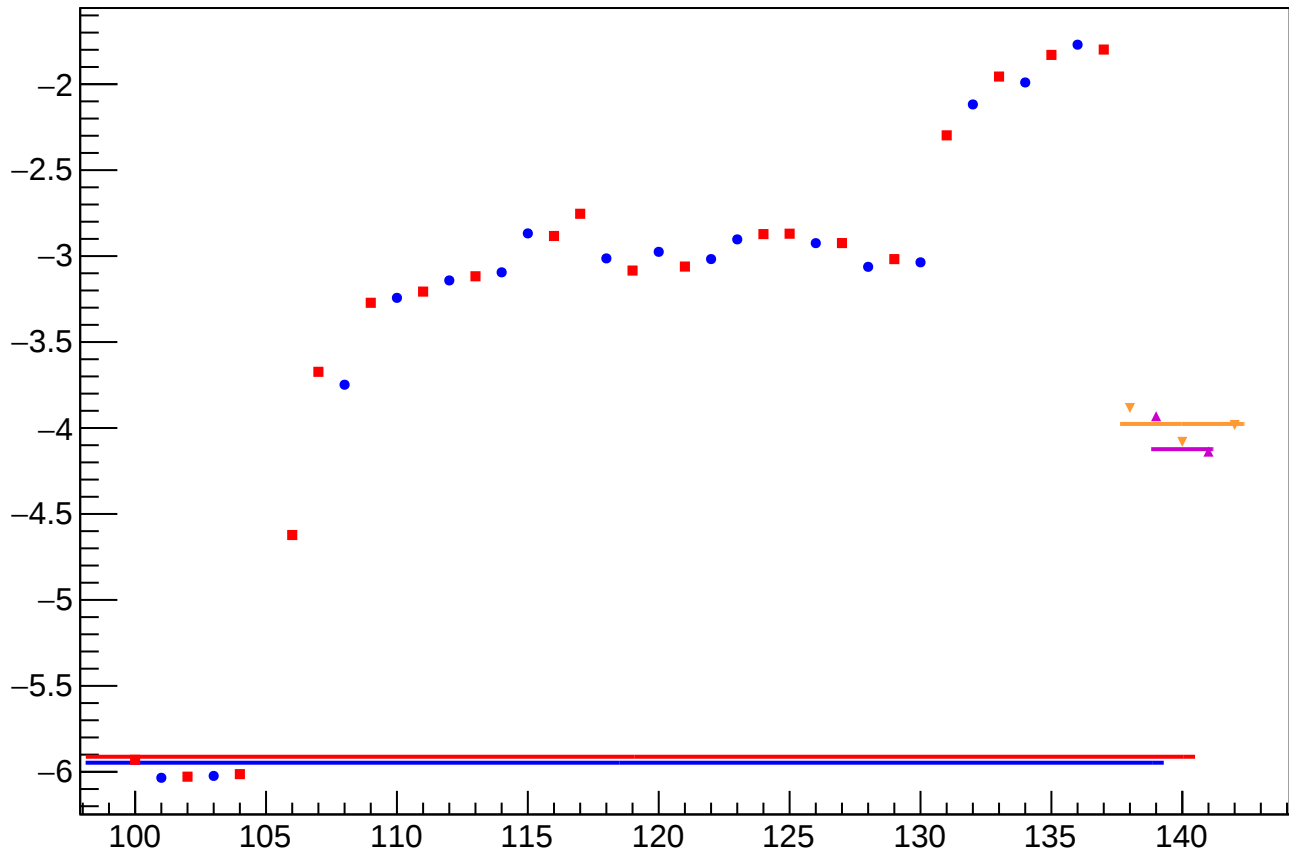
Right Out: 0.008+/-0.000 χ^2/NDF : 463232.7/19

Left In: 0.007+/-0.000 χ^2/NDF :31485.2/1

0.008+/-0.000 χ^2/NDF : 492574.0/19

0.007+/-0.000 χ^2/NDF : 504397.7/21

yield_bpm0l03X_mean vs Slug



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -3.976+/-0.000 χ^2/NDF : 1949890.7/2

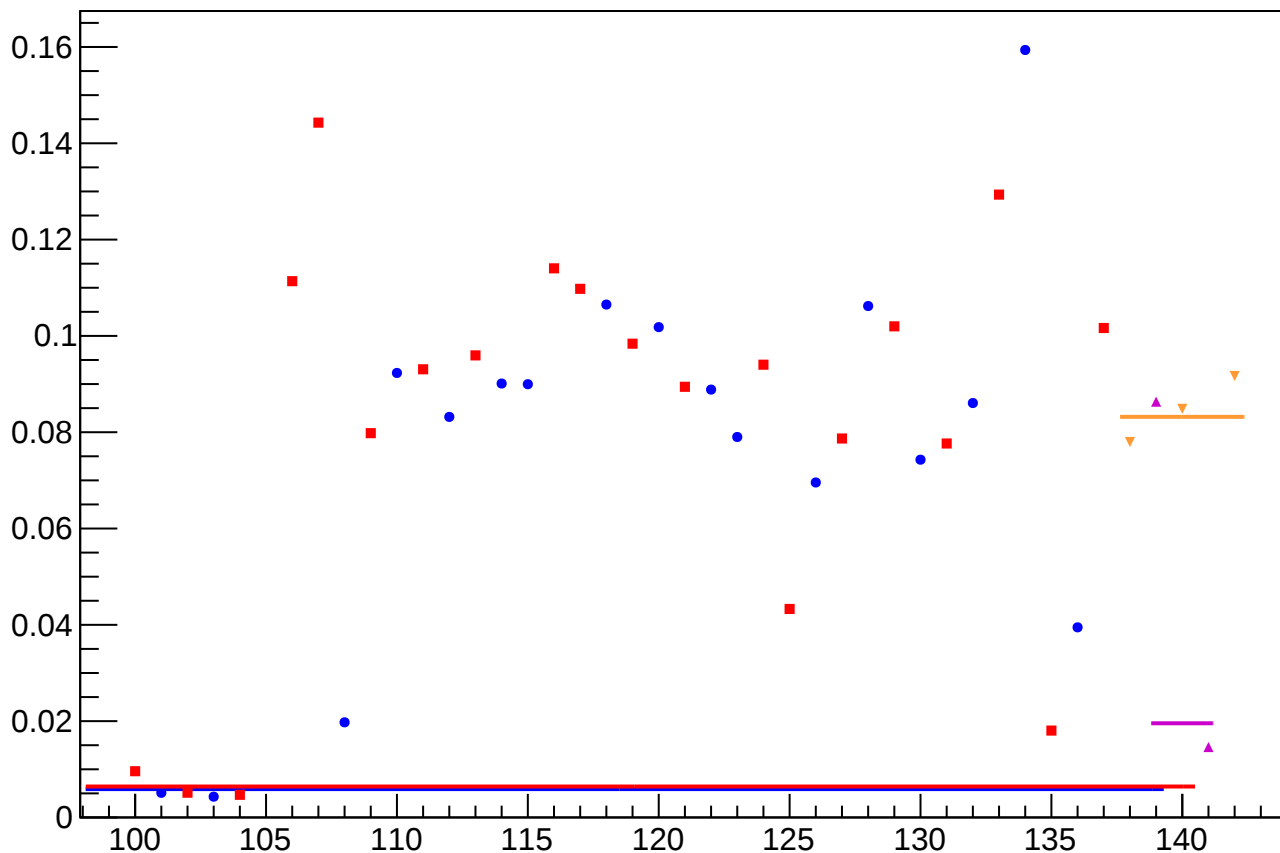
-5.937+/-0.000 χ^2/NDF : 14136568266.7/19

Right Out: -5.912+/-0.000 χ^2/NDF : 14648055548.9/19

-5.869+/-0.000 χ^2/NDF : 17579548284.1/21

Left In: -4.123+/-0.000 χ^2/NDF : 2548765.3/1

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 7934545.2/16

Left Out: 0.083+/-0.000 χ^2/NDF :13492.7/2

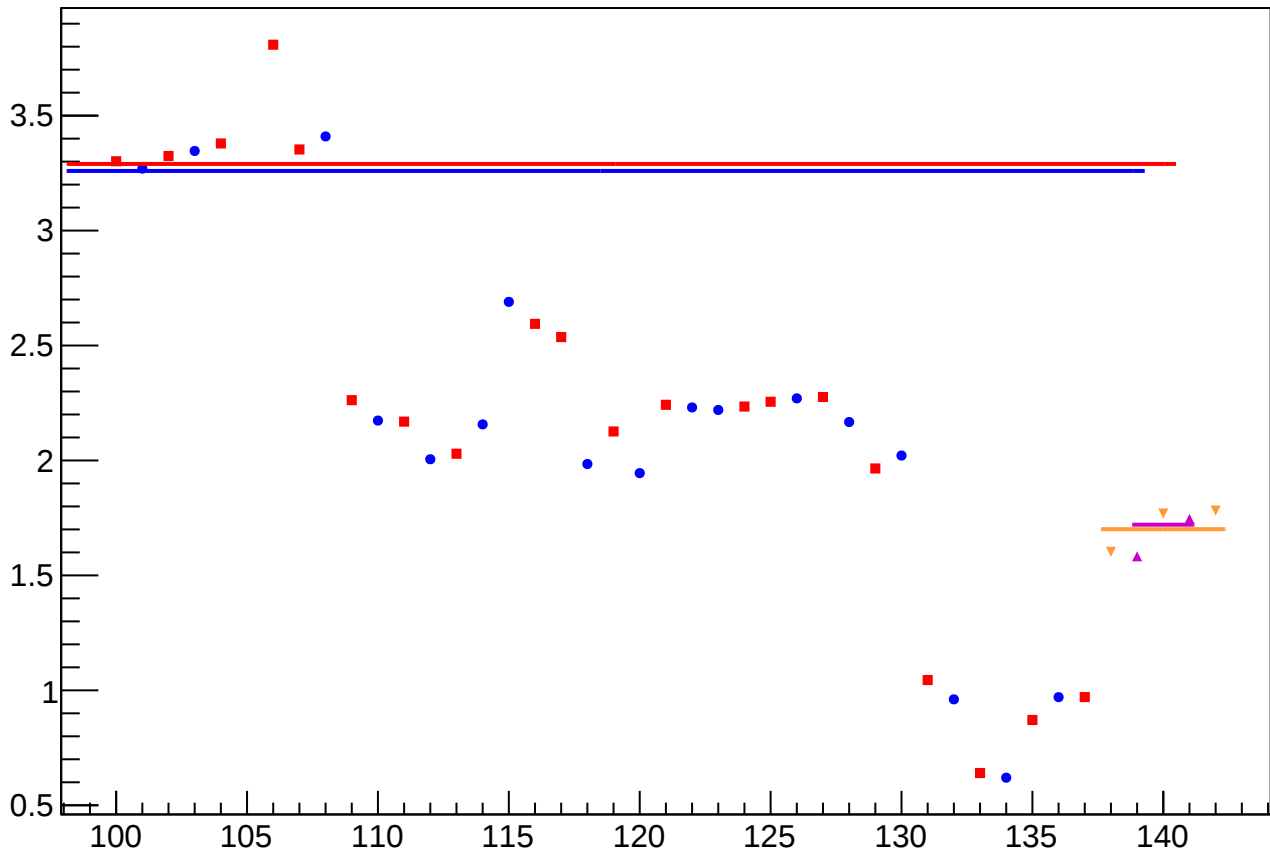
Right Out: 0.006+/-0.000 χ^2/NDF : 8558731.2/19

Left In: 0.020+/-0.000 χ^2/NDF :618335.0/1

0.006+/-0.000 χ^2/NDF : 10929098.2/19

0.007+/-0.000 χ^2/NDF : 9492805.3/21

yield_bpm0l03Y_mean vs Slug



Right In: 3.259+/-0.000 χ^2/NDF : 2921931976.8/16

Left Out: 1.701+/-0.000 χ^2/NDF :1612785.7/2

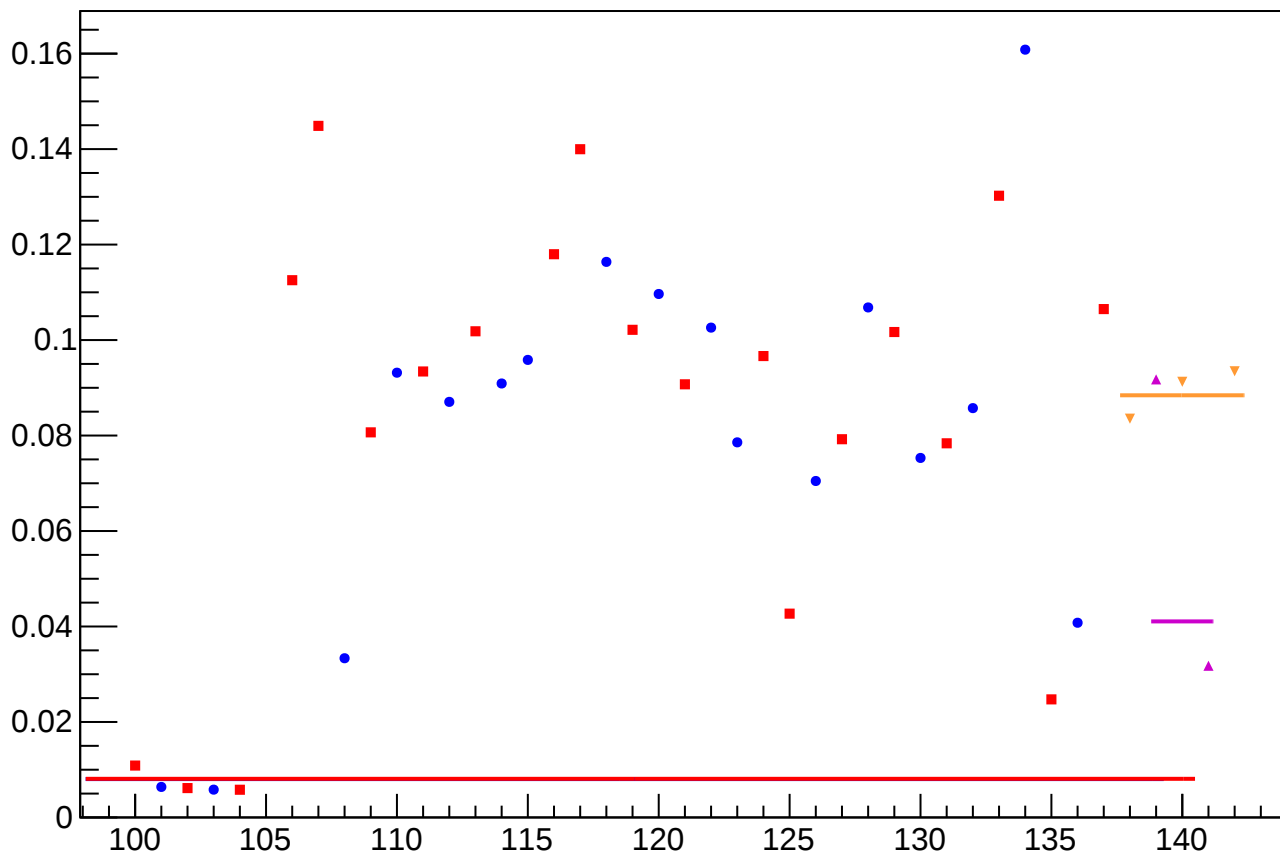
3.247+/-0.000 χ^2/NDF : 3463443529.2/19

Right Out: 3.290+/-0.000 χ^2/NDF : 3263300926.6/19

3.268+/-0.000 χ^2/NDF : 4180798386.9/21

Left In: 1.721+/-0.000 χ^2/NDF :1308363.6/1

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 7742048.1/16

Left Out: 0.088+/-0.000 χ^2/NDF : 8243.7/2

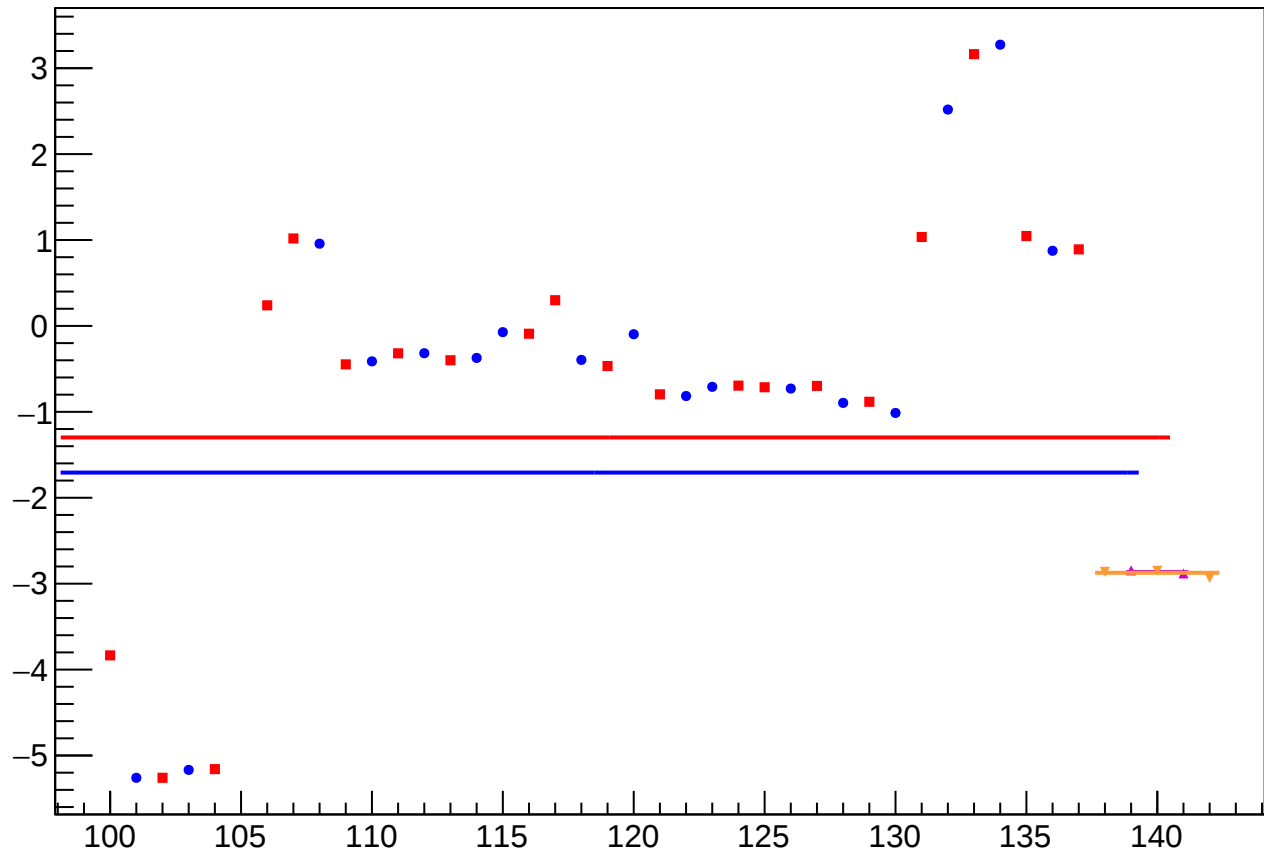
Right Out: 0.008+/-0.000 χ^2/NDF : 8375005.0/19

Left In: 0.041+/-0.000 χ^2/NDF : 355394.4/1

0.009+/-0.000 χ^2/NDF : 10623626.6/19

0.009+/-0.000 χ^2/NDF : 9539379.7/21

yield_bpm0l04X_mean vs Slug



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.873+/-0.000 χ^2/NDF : 37681357.1/2

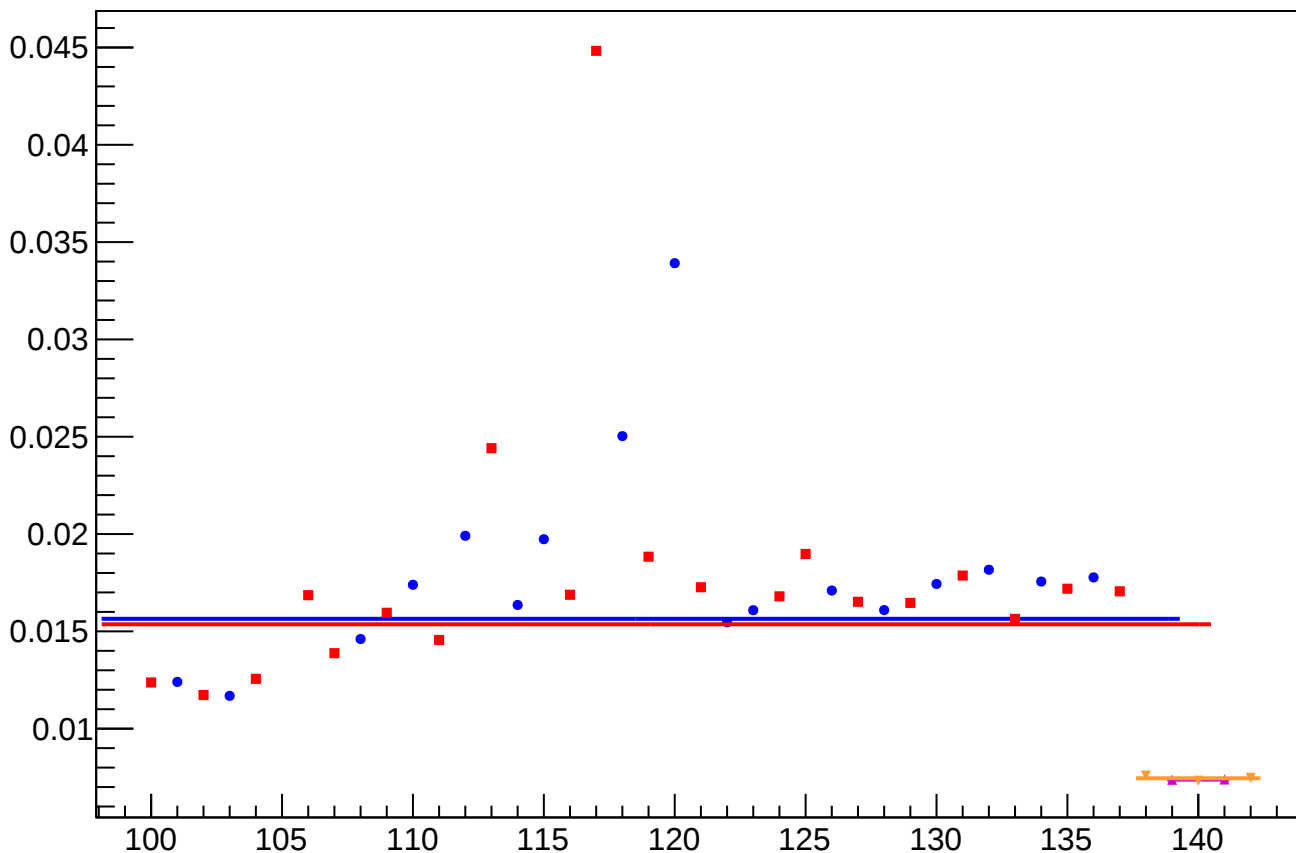
Right Out: -1.298+/-0.000 χ^2/NDF : 178085926993.4/19

Left In: -2.865+/-0.000 χ^2/NDF : 8635989.3/1

-2.403+/-0.000 χ^2/NDF : 184763367952.8/19

-2.097+/-0.000 χ^2/NDF : 211077049295.9/21

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 578244.3/16

Left Out: 0.007+/-0.000 χ^2/NDF : 903.4/2

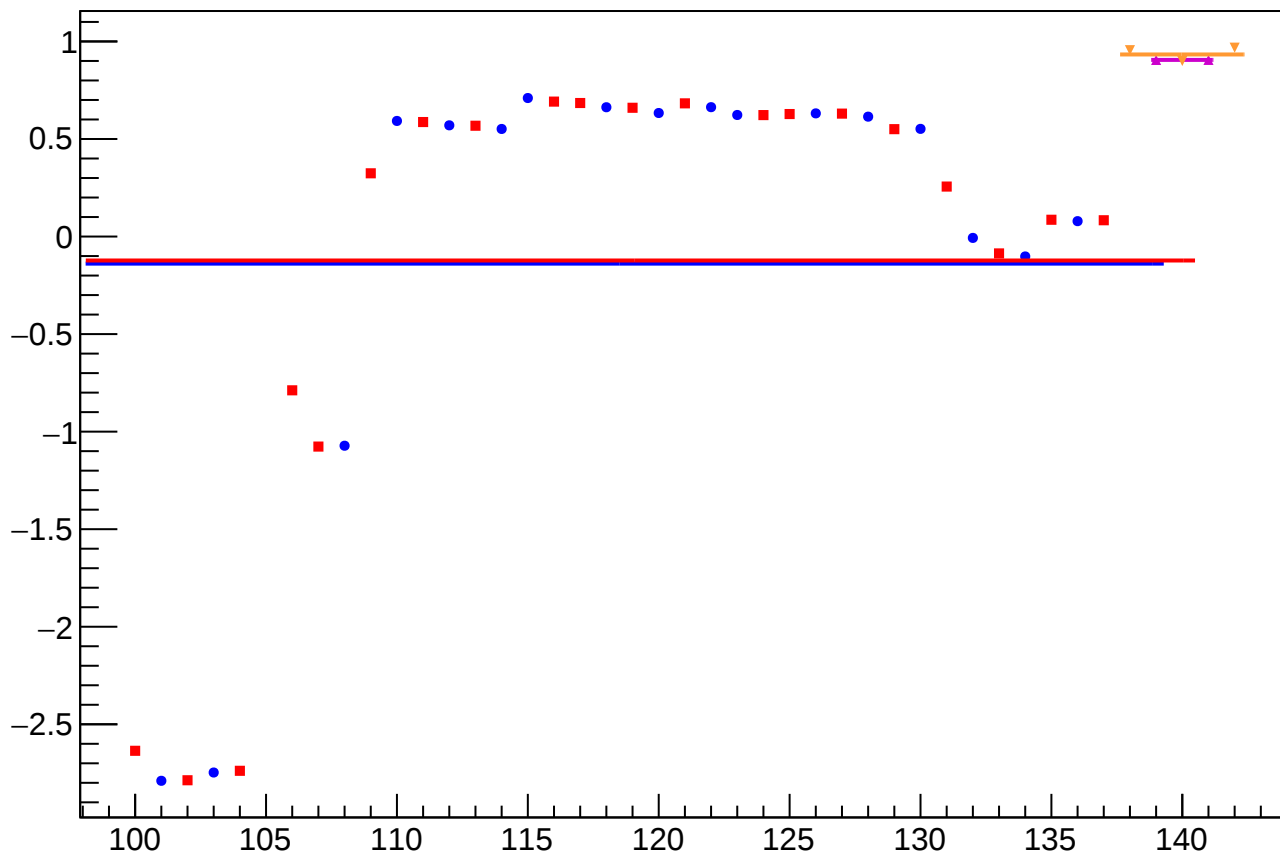
Right Out: 0.015+/-0.000 χ^2/NDF : 387283.2/19

Left In: 0.007+/-0.000 χ^2/NDF : 2.6/1

0.011+/-0.000 χ^2/NDF : 2415768.8/19

0.011+/-0.000 χ^2/NDF : 2098839.2/21

yield_bpm0l04Y_mean vs Slug



Right In: -0.139+/-0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.933+/-0.000 χ^2/NDF :33701923.6/2

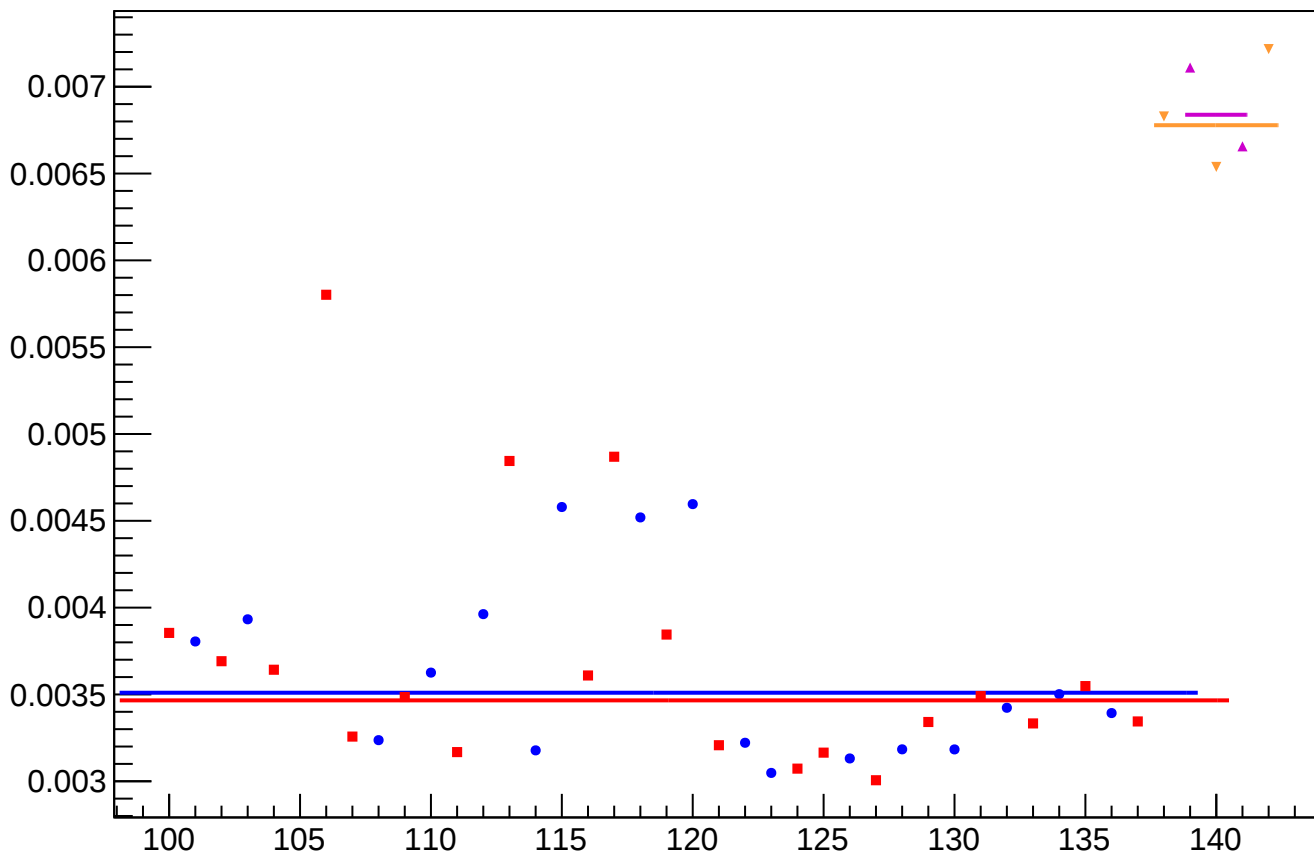
Right Out: -0.123+/-0.000 χ^2/NDF : 762580598699.5/19

Left In: 0.905+/-0.000 χ^2/NDF :178.8/1

-0.066+/-0.000 χ^2/NDF : 754807103027.7/19

-0.072+/-0.000 χ^2/NDF : 792172098763.5/21

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 171337.9/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:4843.9/2

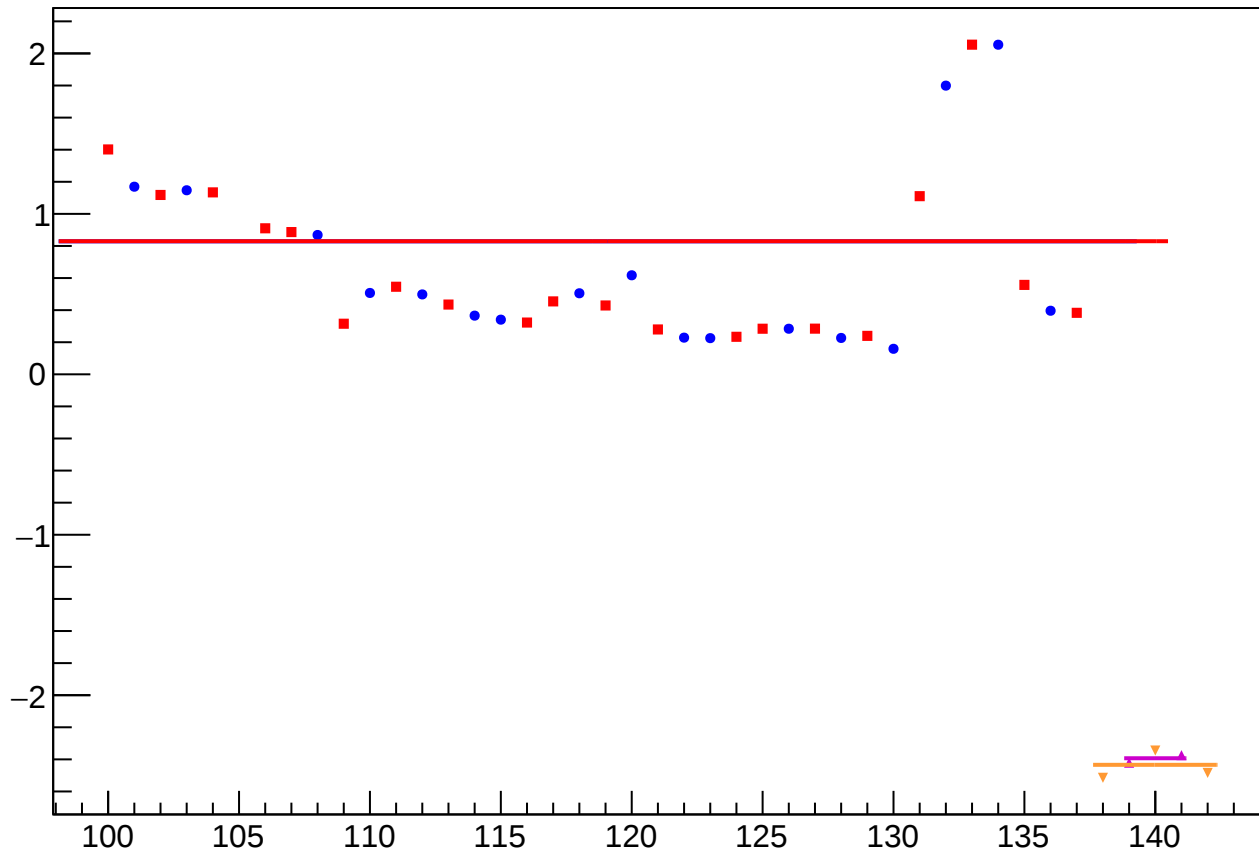
Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 222524.1/19

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:2913.7/1

0.004 $\pm$ 0.000 χ^2 /NDF: 914689.9/19

0.004 $\pm$ 0.000 χ^2 /NDF: 862261.1/21

yield_bpm0l05X_mean vs Slug



Right In: 0.829 ± 0.000 χ^2/NDF : 31718573821.2/16

Left Out: -2.434 ± 0.000 χ^2/NDF : 244584934.3/2

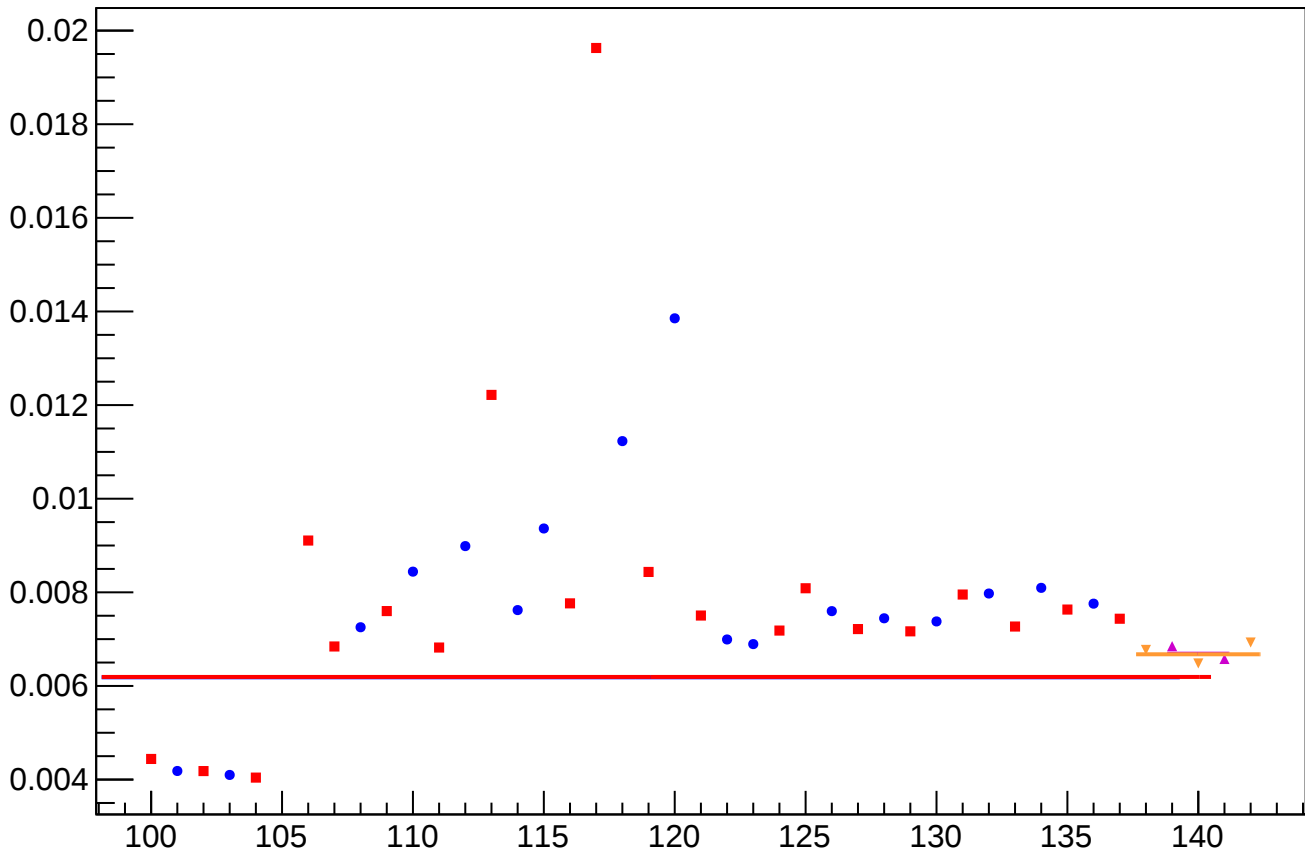
Right Out: 0.830 ± 0.000 χ^2/NDF : 33349713412.0/19

Left In: -2.393 ± 0.000 χ^2/NDF : 16915364.7/1

0.117 ± 0.000 χ^2/NDF : 354727476957.1/19

0.278 ± 0.000 χ^2/NDF : 303693477748.4/21

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1228962.4/16

Left Out: 0.007+/-0.000 χ^2/NDF : 2567.5/2

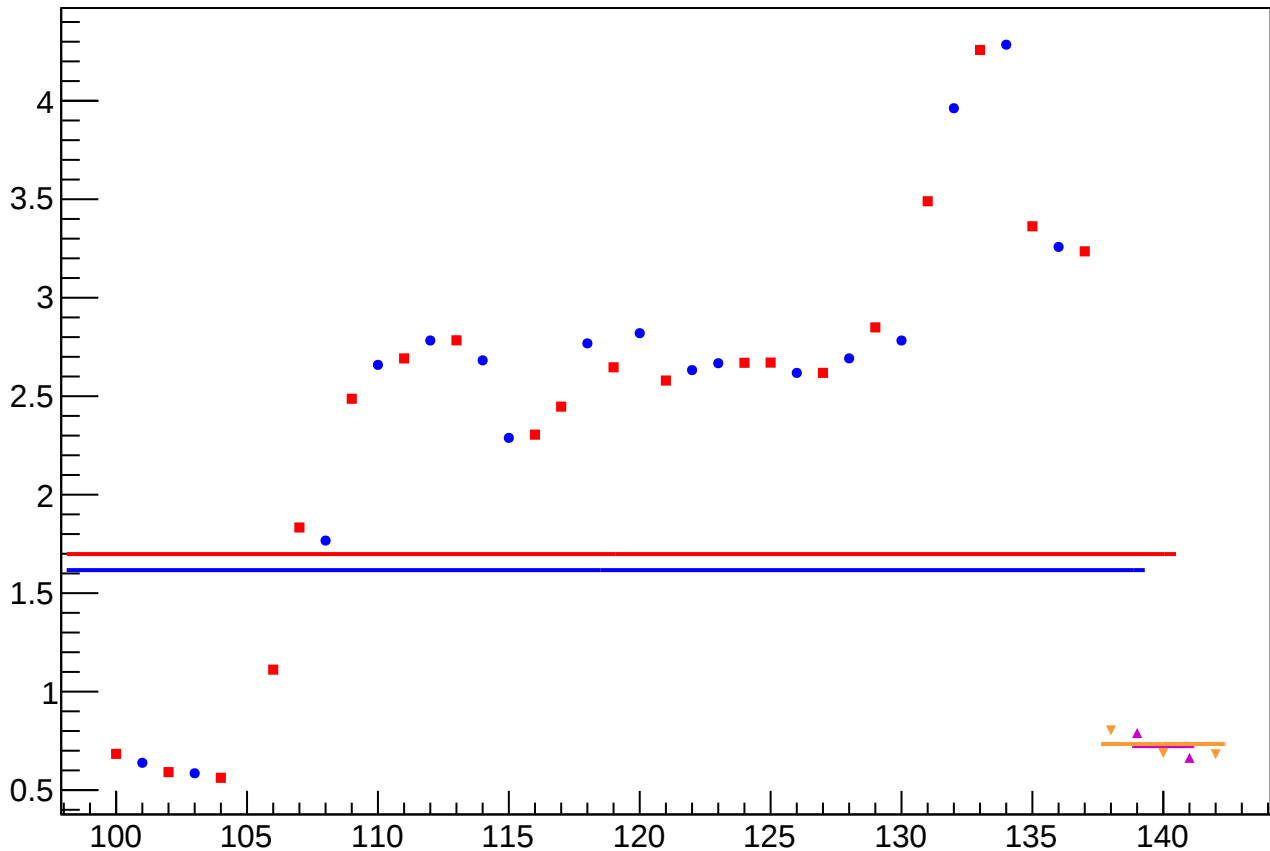
Right Out: 0.006+/-0.000 χ^2/NDF : 1062886.2/19

Left In: 0.007+/-0.000 χ^2/NDF : 1143.9/1

0.006+/-0.000 χ^2/NDF : 1246192.4/19

0.006+/-0.000 χ^2/NDF : 1076880.3/21

yield_bpm0l05Y_mean vs Slug



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 0.734+/-0.000 χ^2/NDF :140823621.6/2

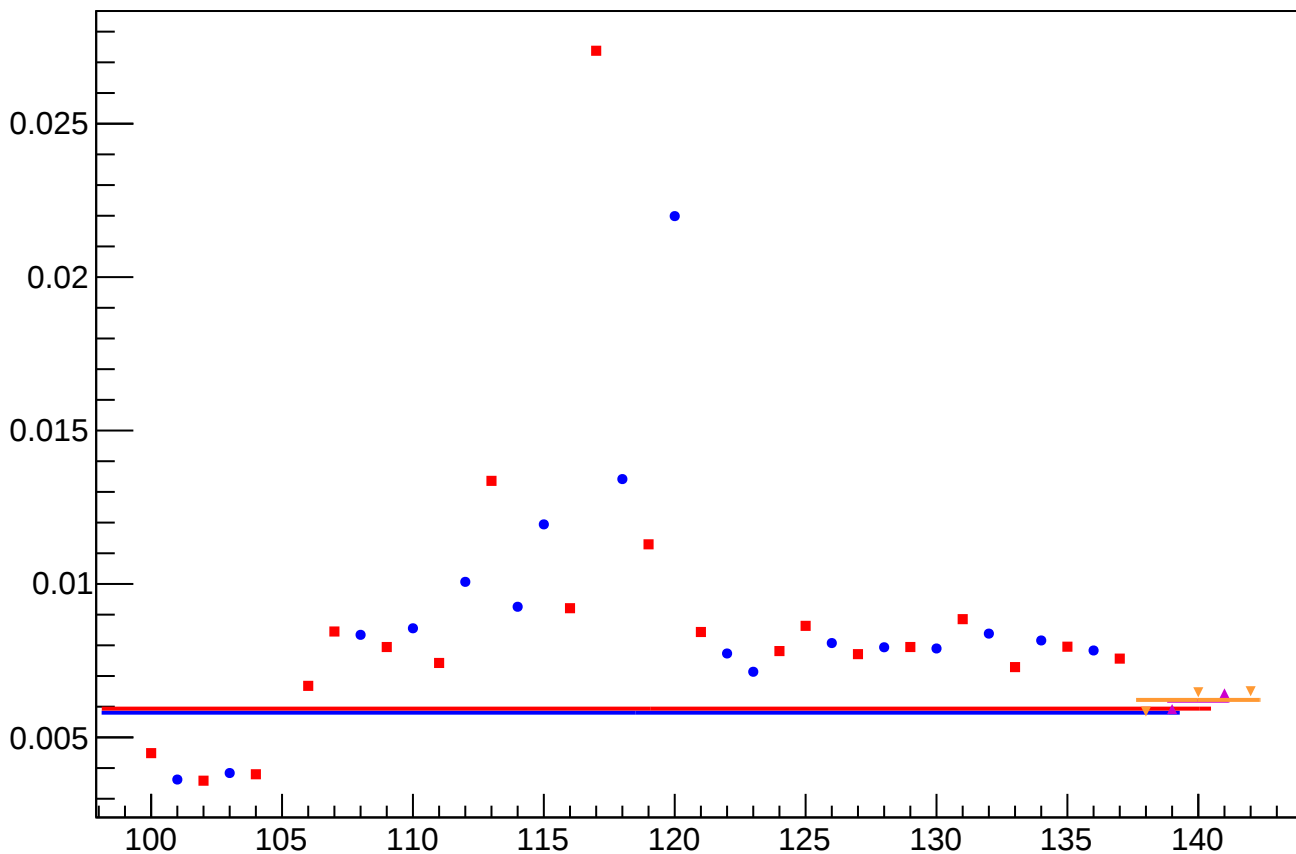
1.415+/-0.000 χ^2/NDF : 228615817392.7/19

Right Out: 1.698+/-0.000 χ^2/NDF : 227436227264.4/19

1.518+/-0.000 χ^2/NDF : 254359589192.9/21

Left In: 0.723+/-0.000 χ^2/NDF :137126489.5/1

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1917989.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 8396.7/2

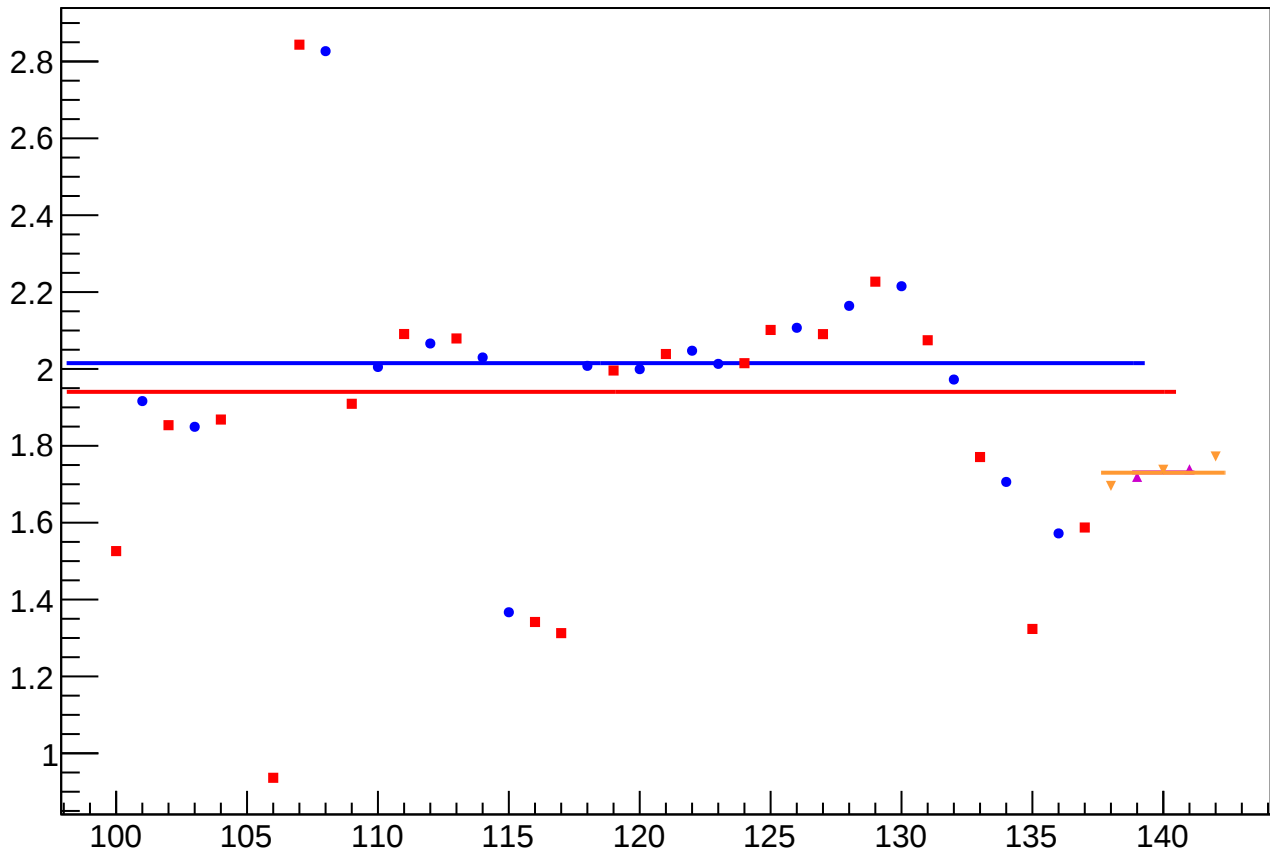
Right Out: 0.006+/-0.000 χ^2/NDF : 1731283.0/19

Left In: 0.006+/-0.000 χ^2/NDF : 4520.9/1

0.006+/-0.000 χ^2/NDF : 1937737.1/19

0.006+/-0.000 χ^2/NDF : 1739532.5/21

yield_bpm0l06X_mean vs Slug



Right In: 2.015+/-0.000 χ^2/NDF : 12228403202.6/16

Left Out: 1.730+/-0.000 χ^2/NDF :21471631.1/2

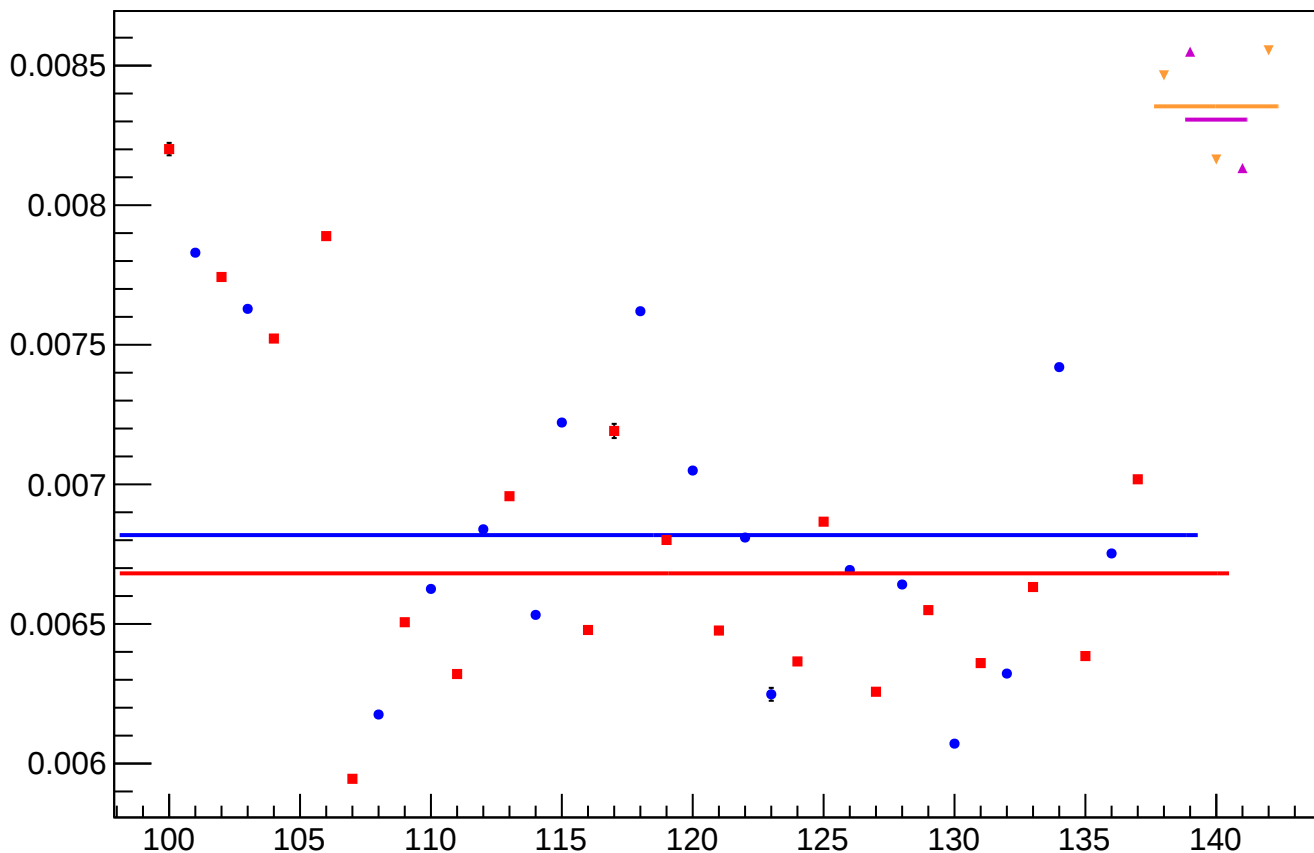
1.969+/-0.000 χ^2/NDF : 14029530730.5/19

Right Out: 1.940+/-0.000 χ^2/NDF : 21732099424.5/19

1.915+/-0.000 χ^2/NDF : 22553205770.1/21

Left In: 1.731+/-0.000 χ^2/NDF :2050208.8/1

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 75813.9/16

Left Out: 0.008+/-0.000 χ^2/NDF :1489.3/2

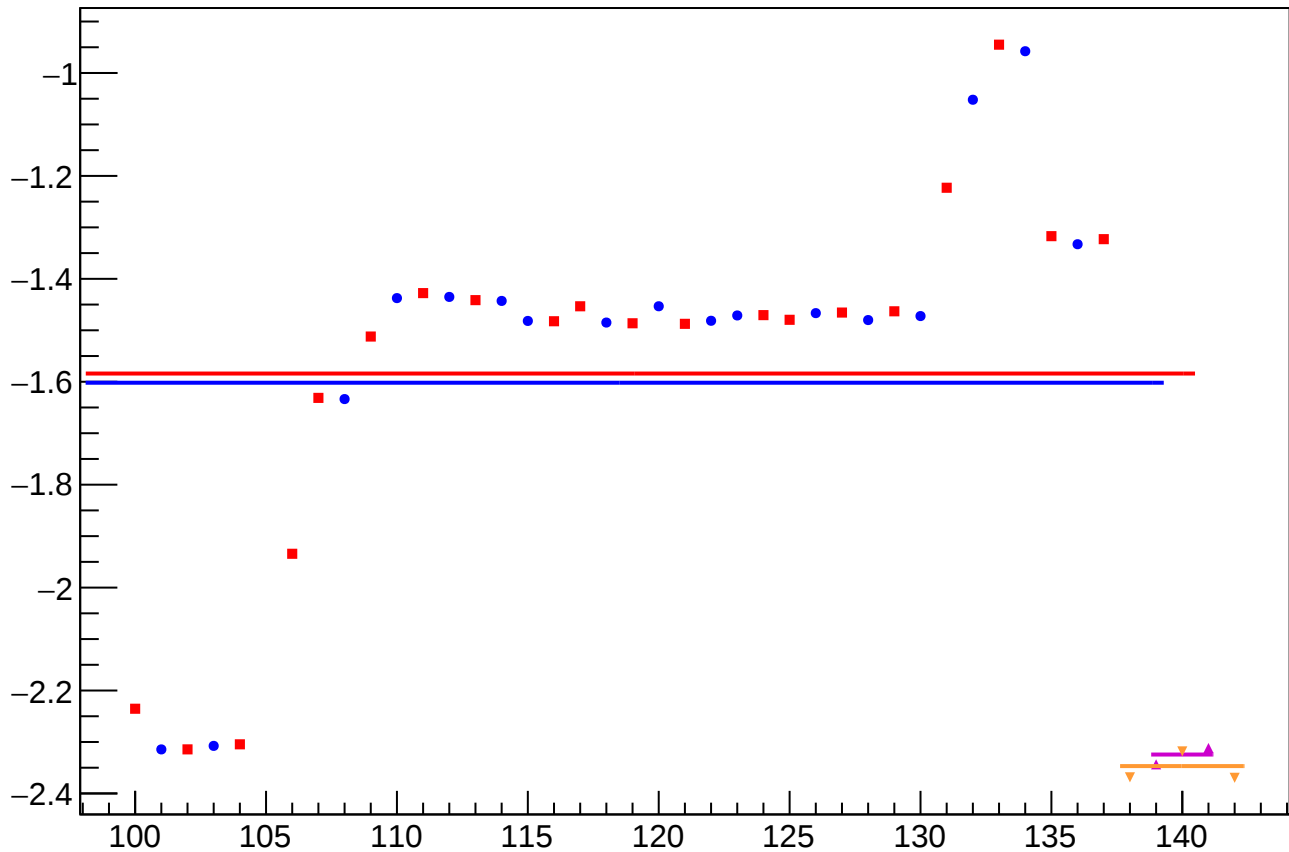
Right Out: 0.007+/-0.000 χ^2/NDF : 76121.2/19

Left In: 0.008+/-0.000 χ^2/NDF :1794.2/1

0.007+/-0.000 χ^2/NDF : 180614.0/19

0.007+/-0.000 χ^2/NDF : 176405.3/21

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -2.347+/-0.000 χ^2/NDF : 138508565.7/2

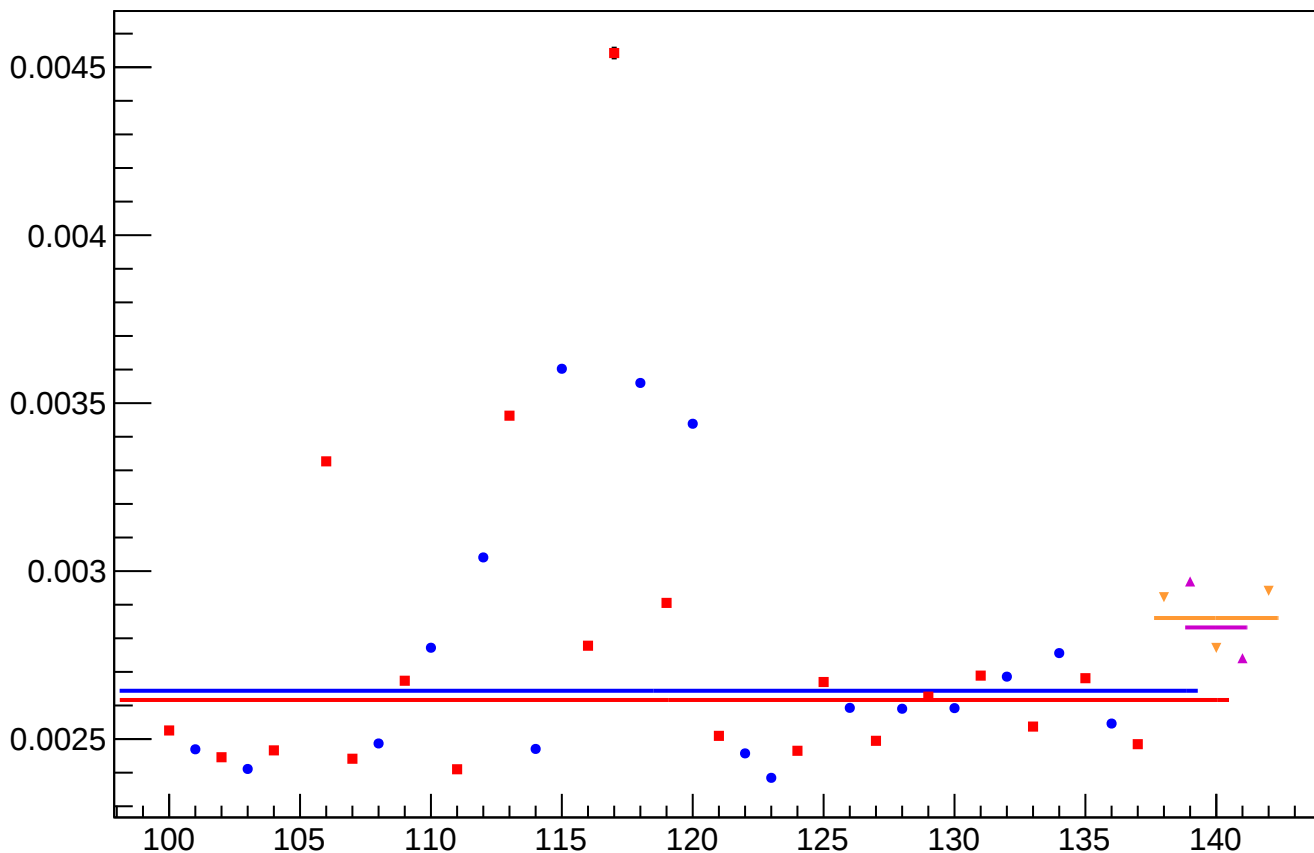
-1.748+/-0.000 χ^2/NDF : 237897166383.0/19

Right Out: -1.584+/-0.000 χ^2/NDF : 143612120137.8/19

-1.699+/-0.000 χ^2/NDF : 226832444371.0/21

Left In: -2.324+/-0.000 χ^2/NDF : 43586667.9/1

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 151383.5/16

Left Out: 0.003+/-0.000 χ^2/NDF : 2712.5/2

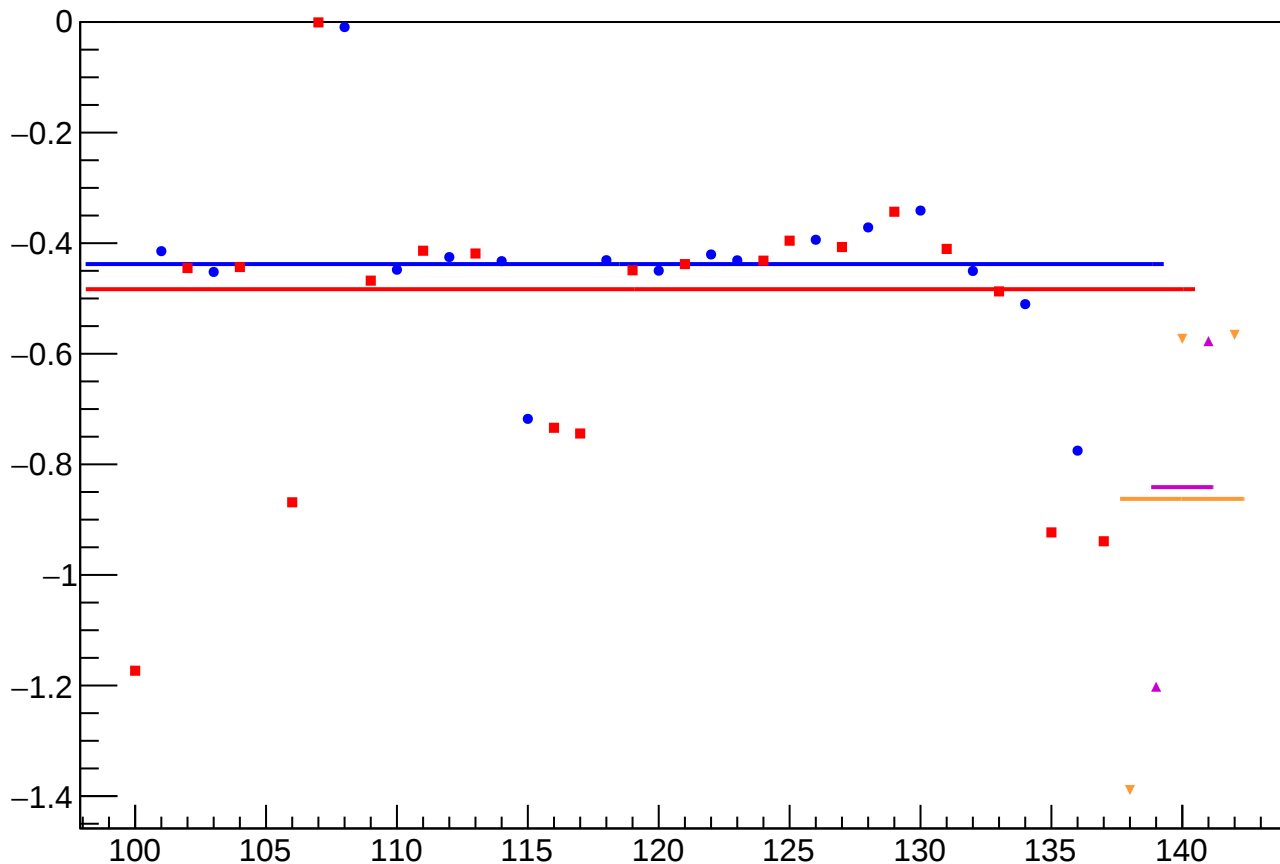
Right Out: 0.003+/-0.000 χ^2/NDF : 119852.1/19

Left In: 0.003+/-0.000 χ^2/NDF : 4501.6/1

0.003+/-0.000 χ^2/NDF : 170591.8/19

0.003+/-0.000 χ^2/NDF : 138498.9/21

yield_bpm0l07X_mean vs Slug



Right In: -0.438+/-0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.862+/-0.000 χ^2/NDF : 1407660387.9/2

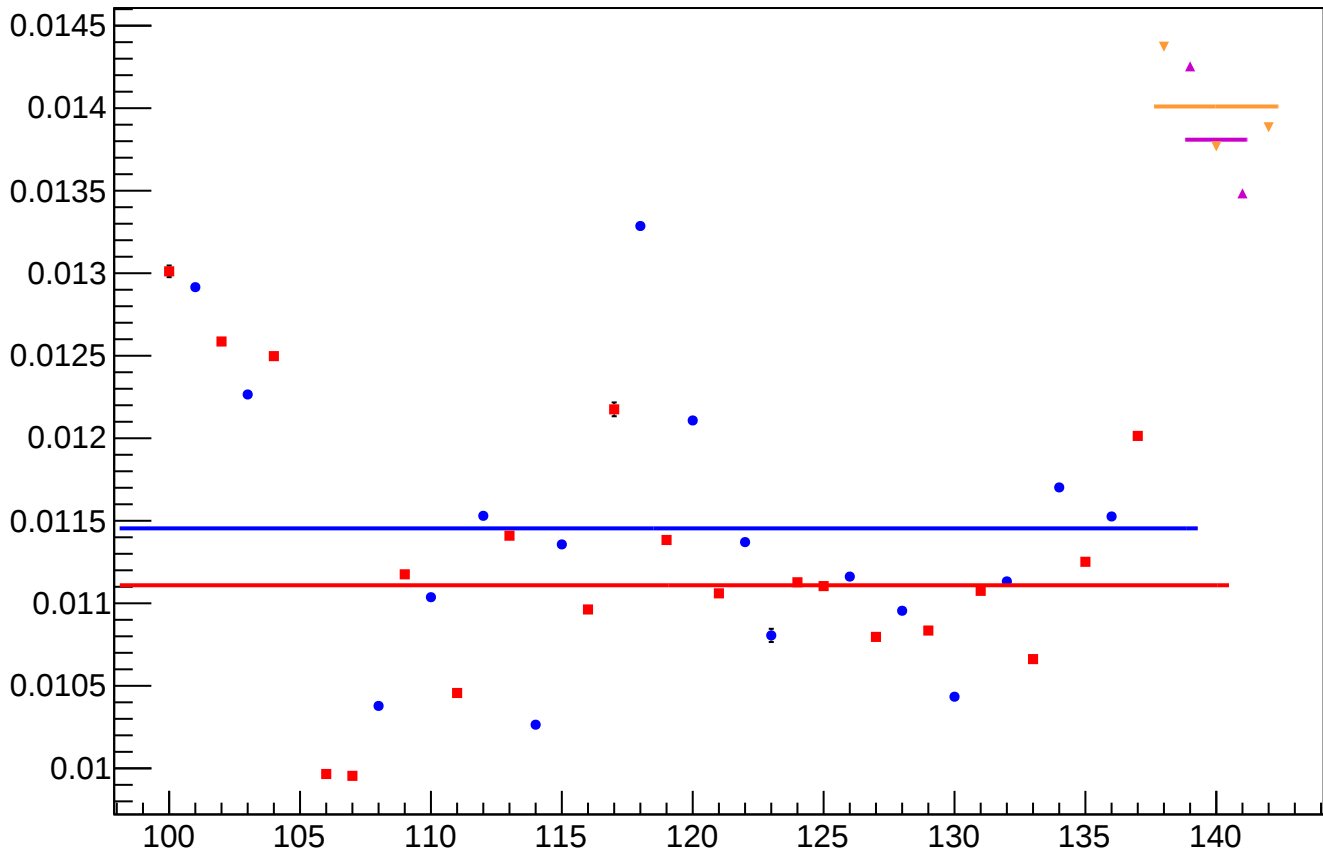
Right Out: -0.483+/-0.000 χ^2/NDF : 2714164016.2/19

Left In: -0.841+/-0.000 χ^2/NDF : 724684186.7/1

-0.504+/-0.000 χ^2/NDF : 4262398005.9/19

-0.526+/-0.000 χ^2/NDF : 4297712447.6/21

yield_bpm0l07X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 64687.8/16

Left Out: 0.014+/-0.000 χ^2/NDF :1367.3/2

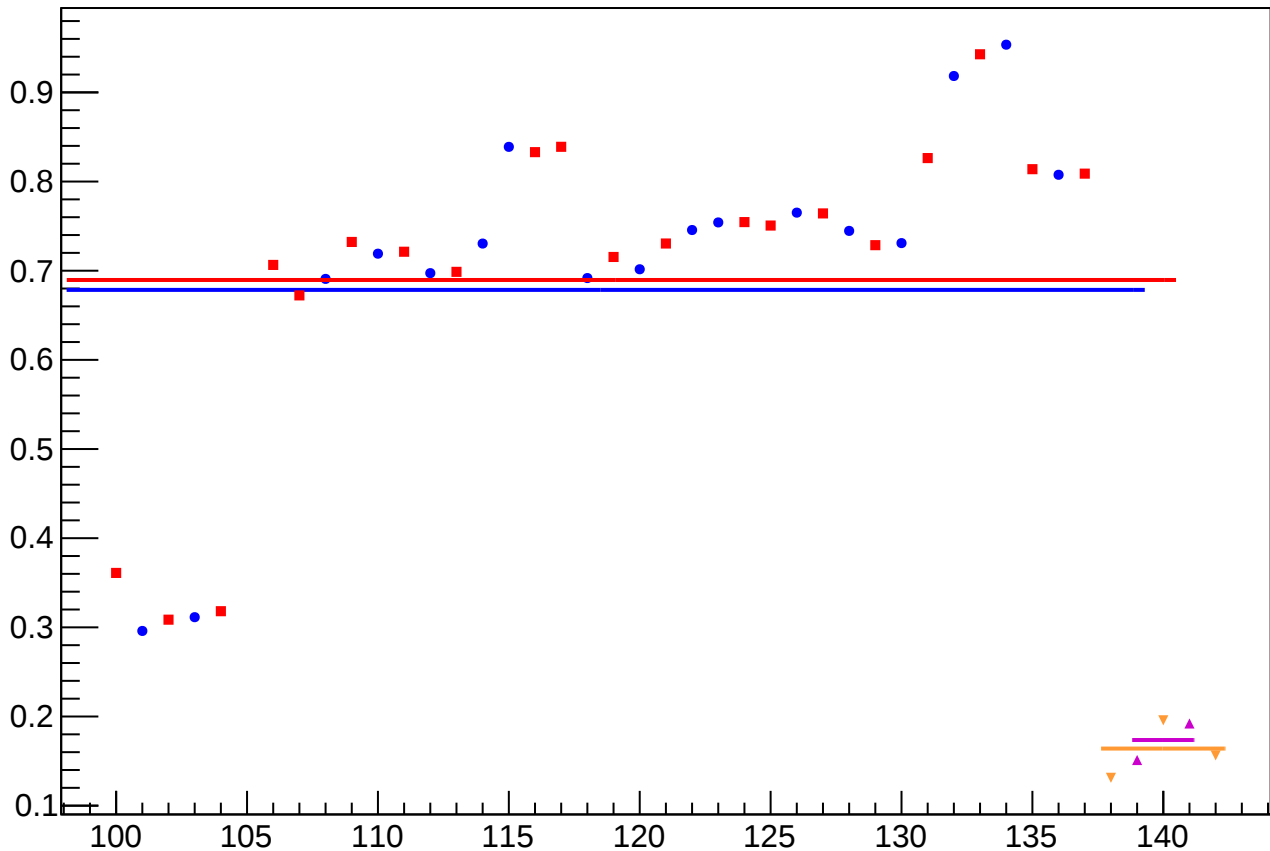
Right Out: 0.011+/-0.000 χ^2/NDF : 56696.9/19

Left In: 0.014+/-0.000 χ^2/NDF :2198.3/1

0.012+/-0.000 χ^2/NDF : 166963.0/19

0.011+/-0.000 χ^2/NDF : 156617.2/21

yield_bpm0l07Y_mean vs Slug



Right In: 0.678+/-0.000 χ^2/NDF : 38506442638.3/16

Left Out: 0.164+/-0.000 χ^2/NDF : 373996109.3/2

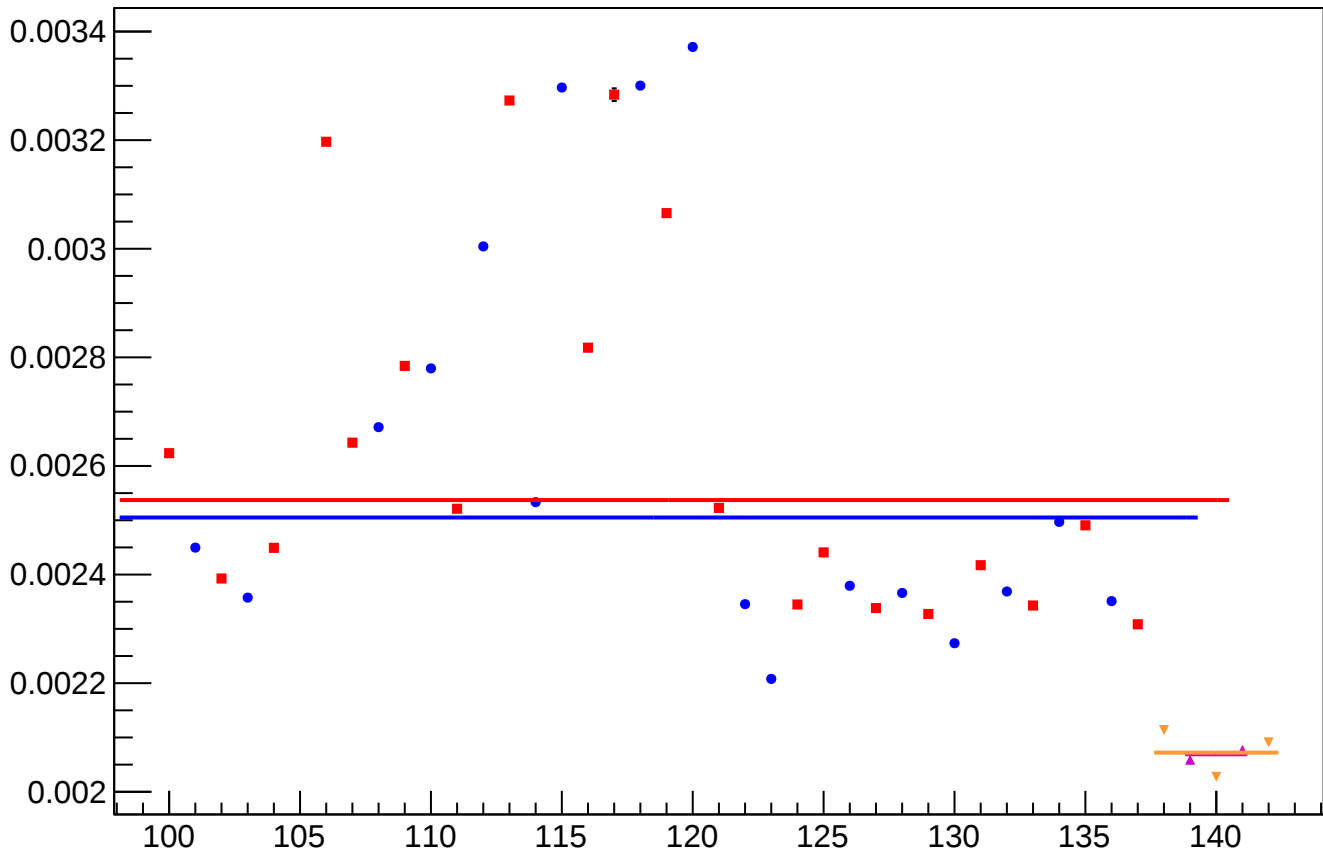
Right Out: 0.690+/-0.000 χ^2/NDF : 35439496983.3/19

Left In: 0.174+/-0.000 χ^2/NDF : 147095783.2/1

0.520+/-0.000 χ^2/NDF : 121806146469.6/19

0.559+/-0.000 χ^2/NDF : 105959779500.3/21

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 175524.0/16

Left Out: 0.002+/-0.000 χ^2/NDF :1401.1/2

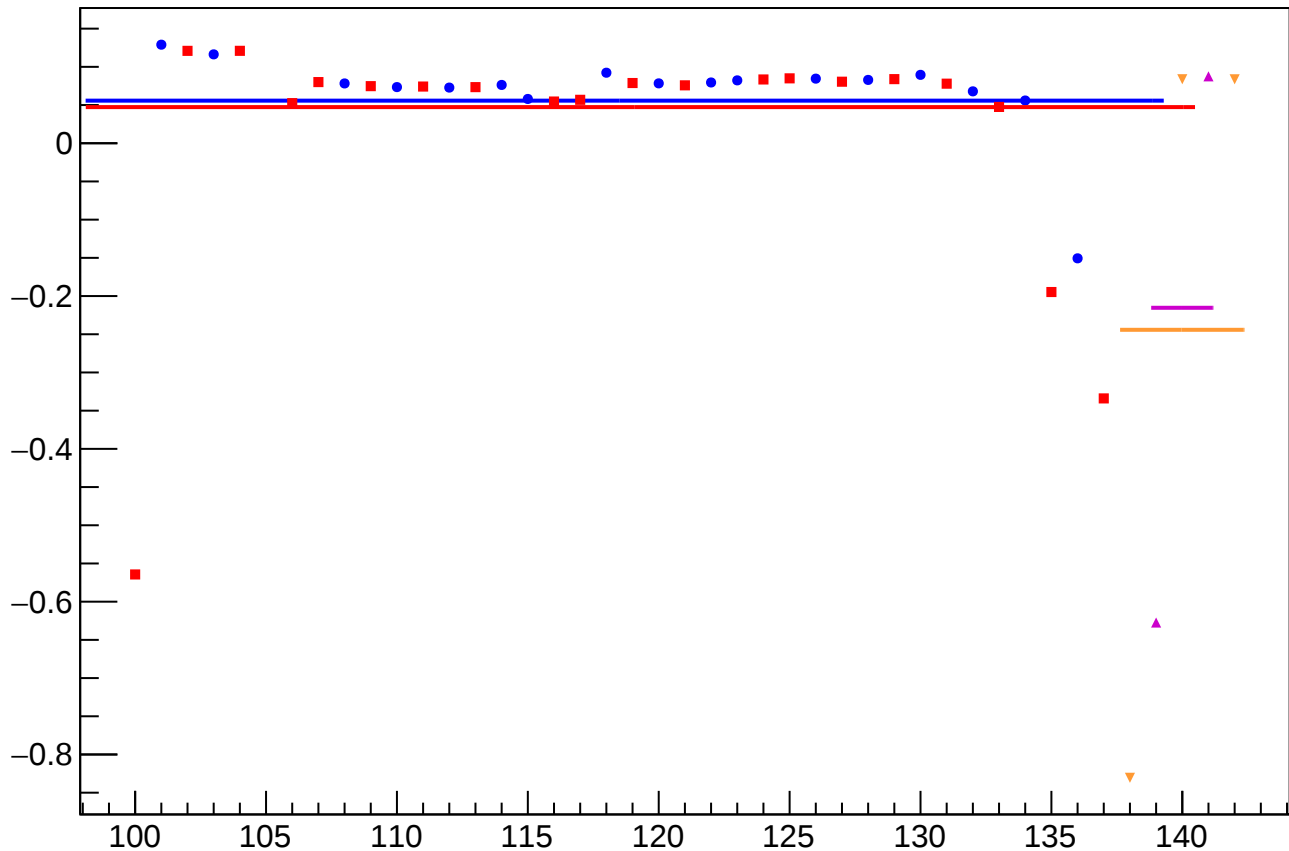
Right Out: 0.003+/-0.000 χ^2/NDF : 135649.7/19

Left In: 0.002+/-0.000 χ^2/NDF :58.0/1

0.002+/-0.000 χ^2/NDF : 294412.9/19

0.002+/-0.000 χ^2/NDF : 251557.5/21

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.244+/-0.000 χ^2/NDF : 2168806709.8/2

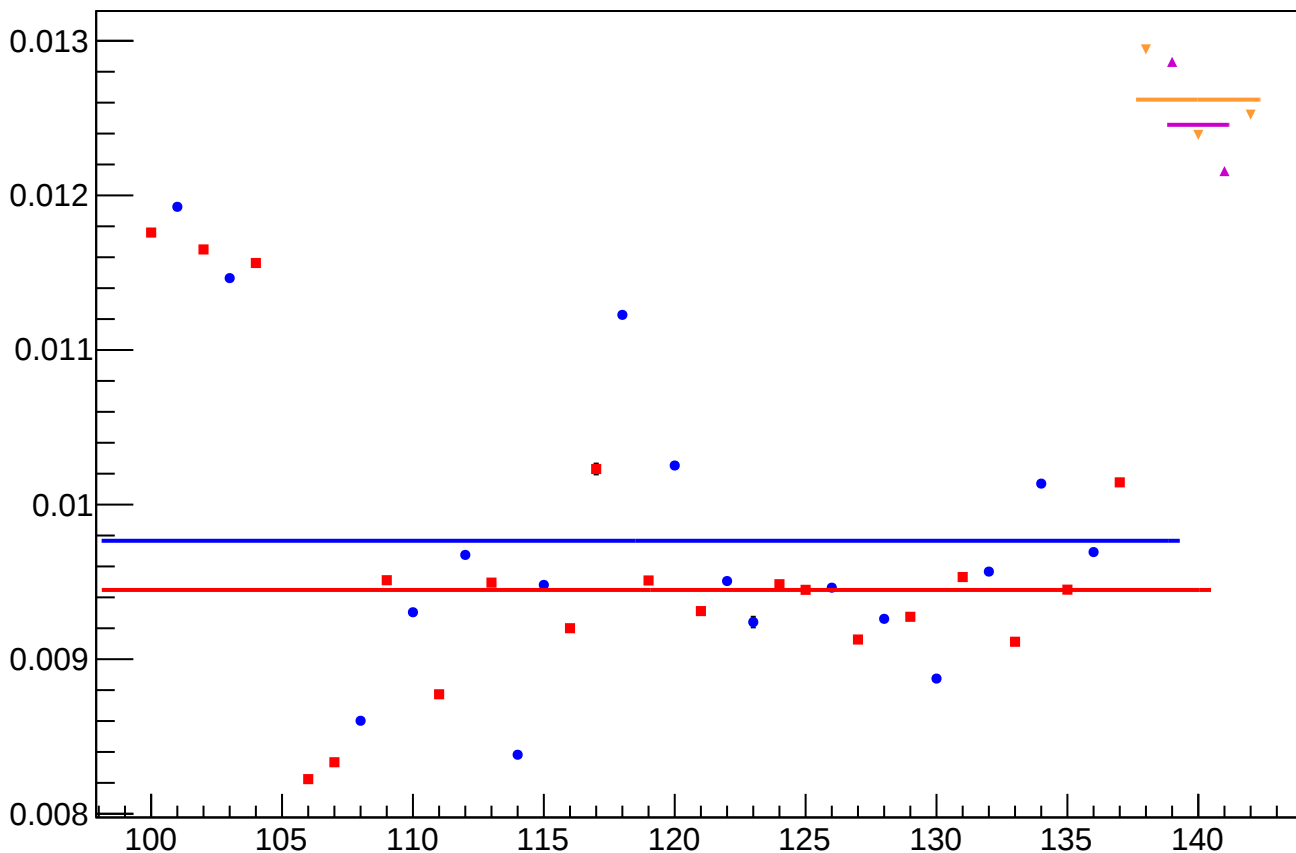
Right Out: 0.047+/-0.000 χ^2/NDF : 819626031.7/19

Left In: -0.215+/-0.000 χ^2/NDF : 1167056650.4/1

0.013+/-0.000 χ^2/NDF : 3461199205.6/19

0.019+/-0.000 χ^2/NDF : 2562637899.8/21

yield_bpm0l08X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 116638.3/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:1389.4/2

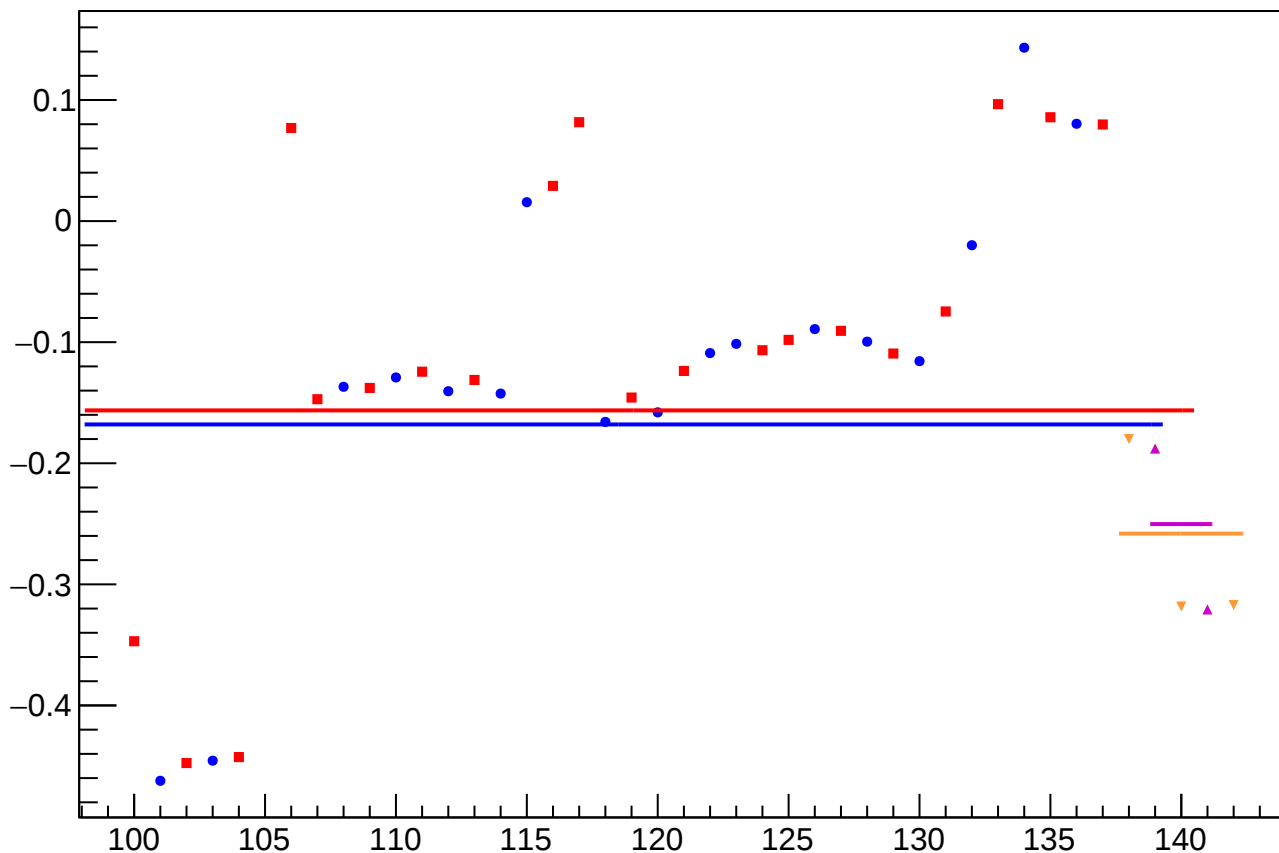
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 111197.0/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:2280.8/1

0.010 $\pm$ 0.000 χ^2 /NDF: 275420.1/19

0.010 $\pm$ 0.000 χ^2 /NDF: 264630.0/21

yield_bpm0l08Y_mean vs Slug



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.258+/-0.000 χ^2/NDF : 1004340086.3/2

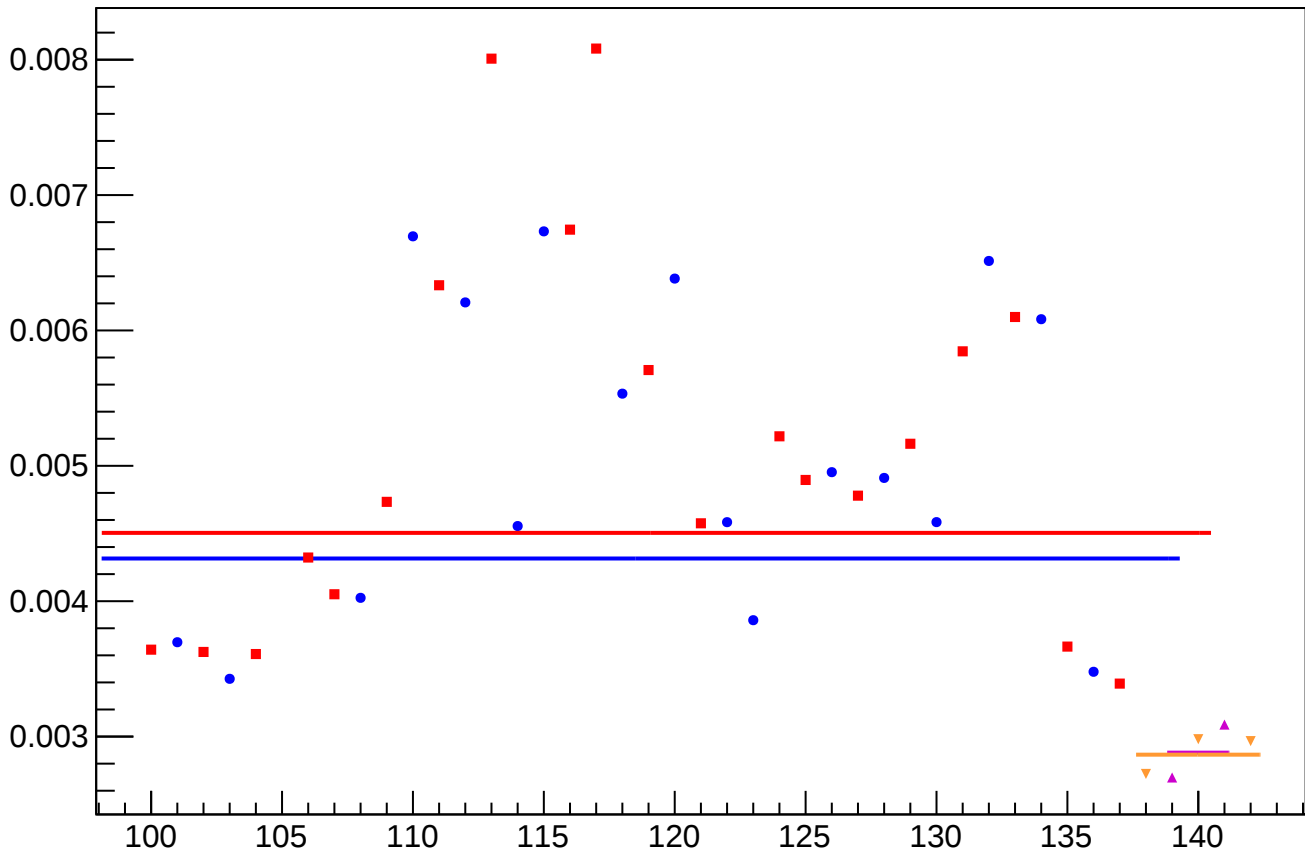
Right Out: -0.156+/-0.000 χ^2/NDF : 11061140252.3/19

Left In: -0.250+/-0.000 χ^2/NDF : 753976370.4/1

-0.205+/-0.000 χ^2/NDF : 14371067443.3/19

-0.190+/-0.000 χ^2/NDF : 12786280279.7/21

yield_bpm0l08Y_rms vs Slug



Right In: 0.004 ± 0.000 χ^2/NDF : 619744.7/16

Left Out: 0.003 ± 0.000 χ^2/NDF : 6683.5/2

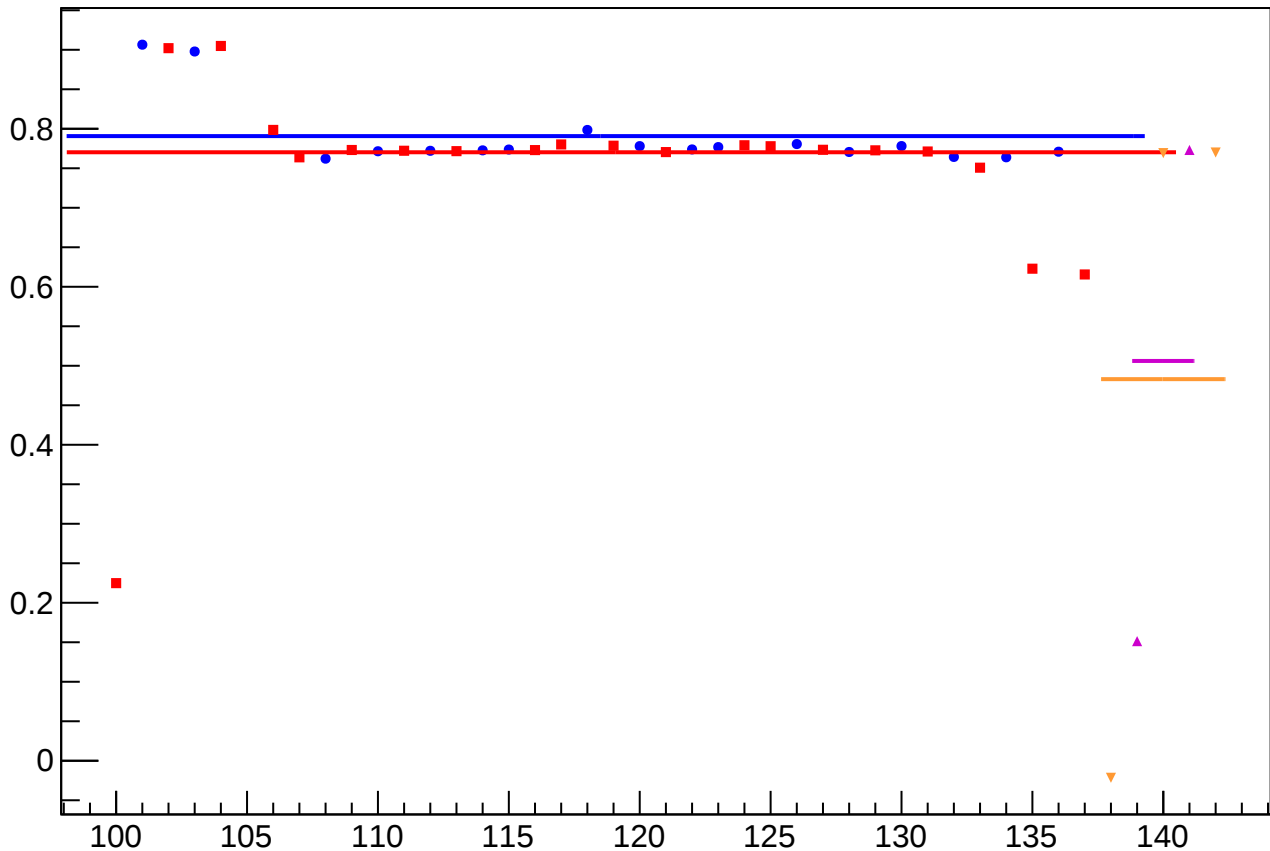
Right Out: 0.005 ± 0.000 χ^2/NDF : 665152.6/19

Left In: 0.003 ± 0.000 χ^2/NDF : 13040.7/1

0.004 ± 0.000 χ^2/NDF : 1161098.6/19

0.004 ± 0.000 χ^2/NDF : 1258832.8/21

yield_bpm0l09X_mean vs Slug



Right In: 0.791 ± 0.000 χ^2/NDF : 106705767.1/16

Left Out: 0.483 ± 0.000 χ^2/NDF : 1761207880.1/2

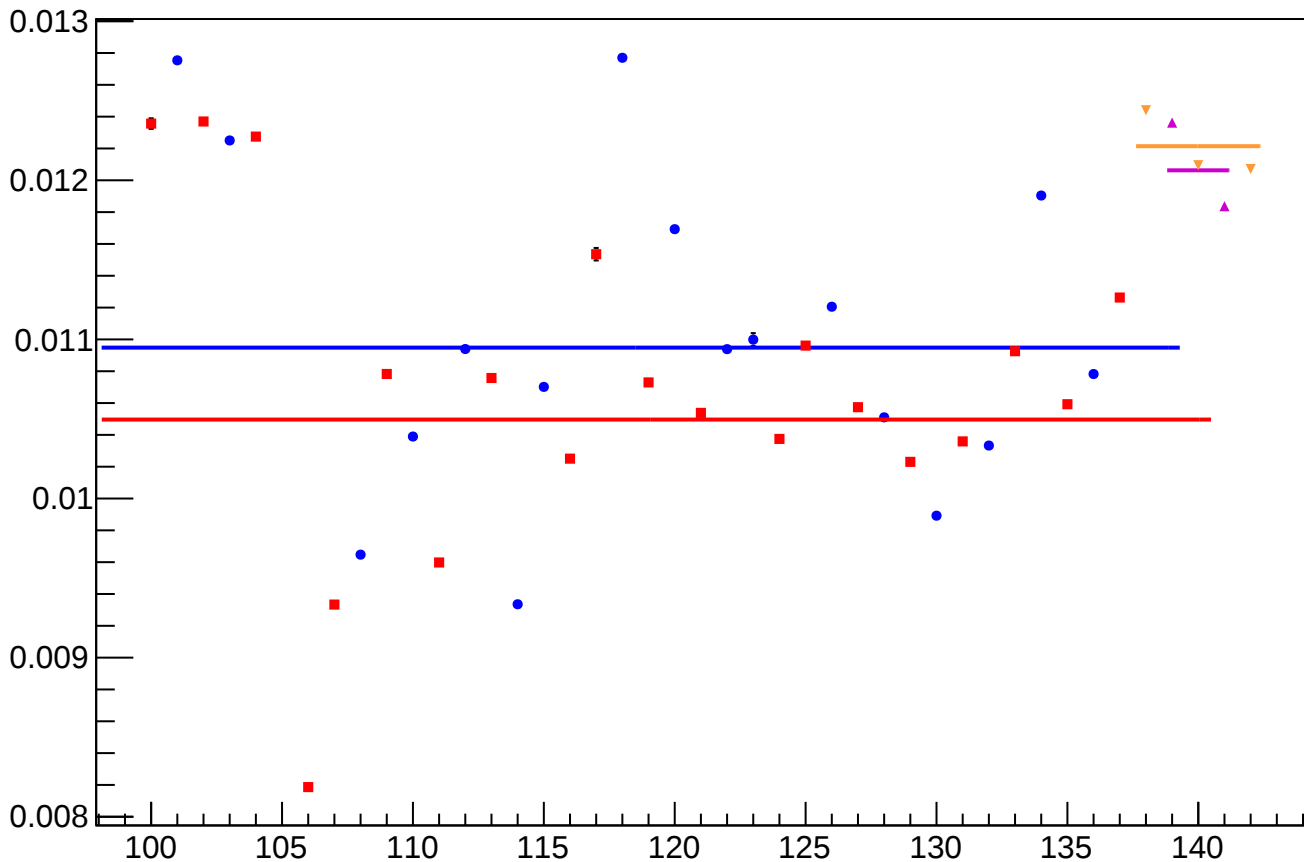
Right Out: 0.770 ± 0.000 χ^2/NDF : 375473971.0/19

Left In: 0.506 ± 0.000 χ^2/NDF : 951351657.8/1

0.734 ± 0.000 χ^2/NDF : 2808234938.4/19

0.734 ± 0.000 χ^2/NDF : 1931315543.3/21

yield_bpm0l09X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 98551.4/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 708.4/2

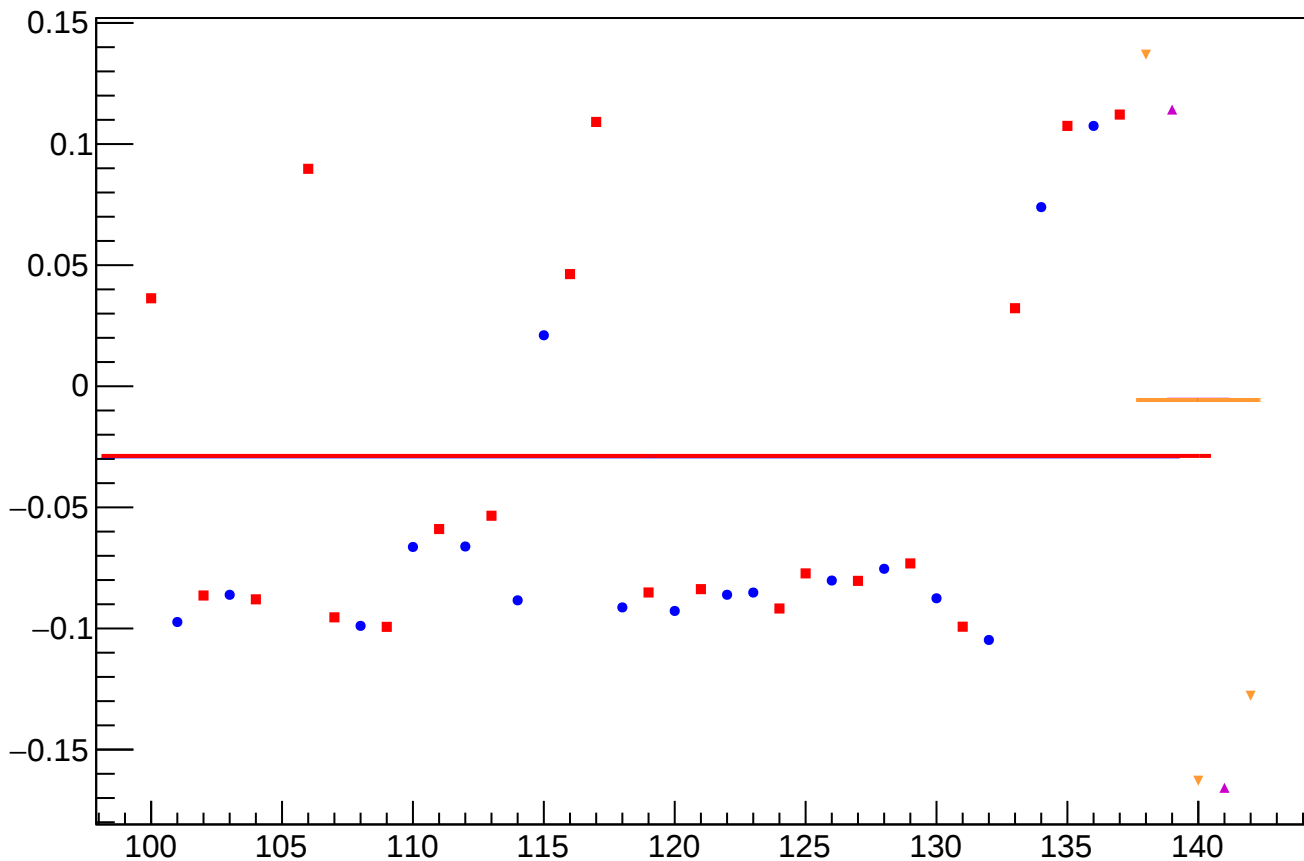
Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 120120.6/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1359.3/1

0.011 $\pm$ 0.000 χ^2 /NDF: 131104.9/19

0.011 $\pm$ 0.000 χ^2 /NDF: 163989.8/21

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.006+/-0.000 χ^2/NDF : 3352511892.0/2

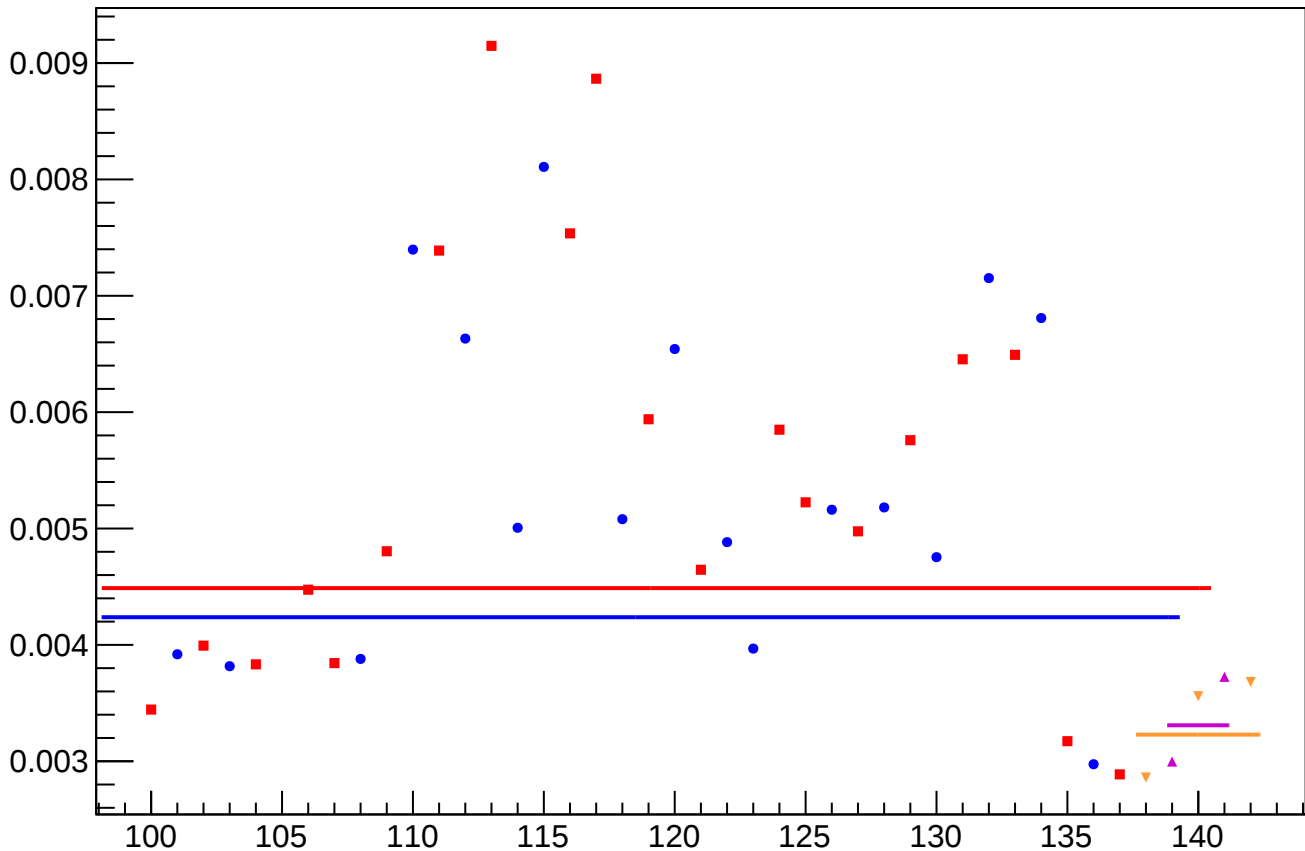
Right Out: -0.029+/-0.000 χ^2/NDF : 2122918772.1/19

Left In: -0.006+/-0.000 χ^2/NDF : 2396353146.1/1

-0.021+/-0.000 χ^2/NDF : 5855673213.9/19

-0.022+/-0.000 χ^2/NDF : 4566257158.6/21

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 881584.1/16

Left Out: 0.003+/-0.000 χ^2/NDF :45044.6/2

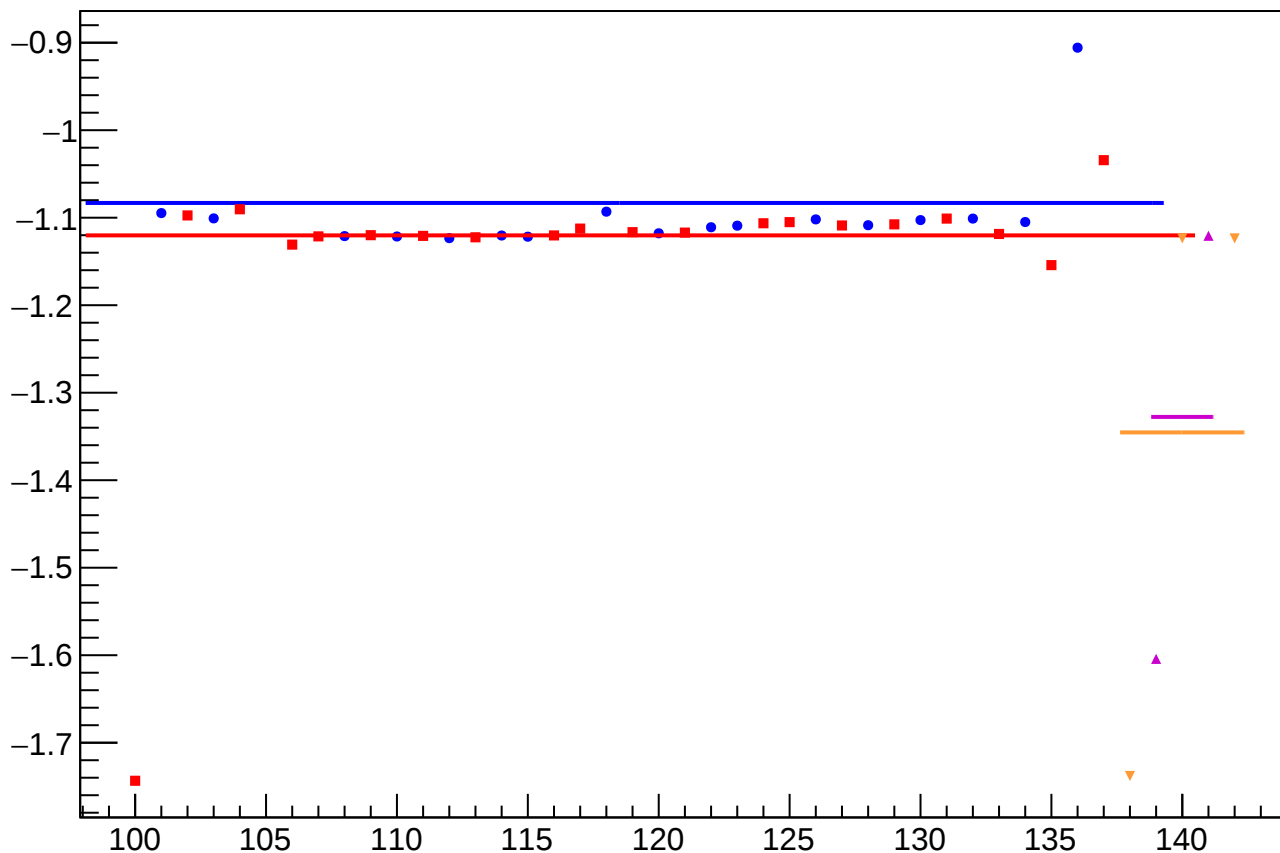
Right Out: 0.004+/-0.000 χ^2/NDF : 1003473.4/19

Left In: 0.003+/-0.000 χ^2/NDF :32433.0/1

0.004+/-0.000 χ^2/NDF : 1141488.9/19

0.004+/-0.000 χ^2/NDF : 1278918.2/21

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2/NDF : 202920901.6/16

Left Out: -1.345+/-0.000 χ^2/NDF : 1330064666.2/2

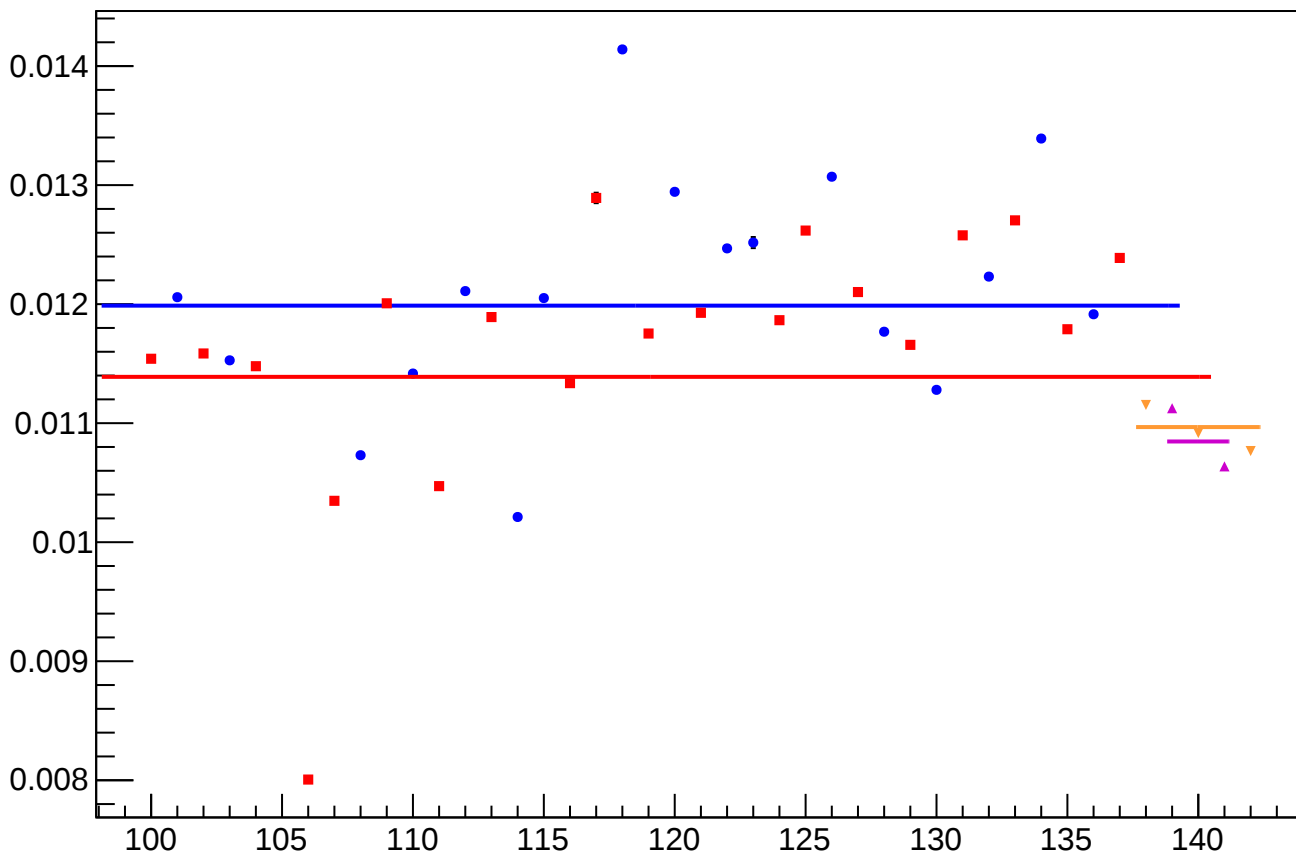
Right Out: -1.120+/-0.000 χ^2/NDF : 220586820.0/19

Left In: -1.328+/-0.000 χ^2/NDF : 714730560.0/1

-1.150+/-0.000 χ^2/NDF : 2316212893.1/19

-1.160+/-0.000 χ^2/NDF : 1370448410.5/21

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 60402.0/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:698.1/2

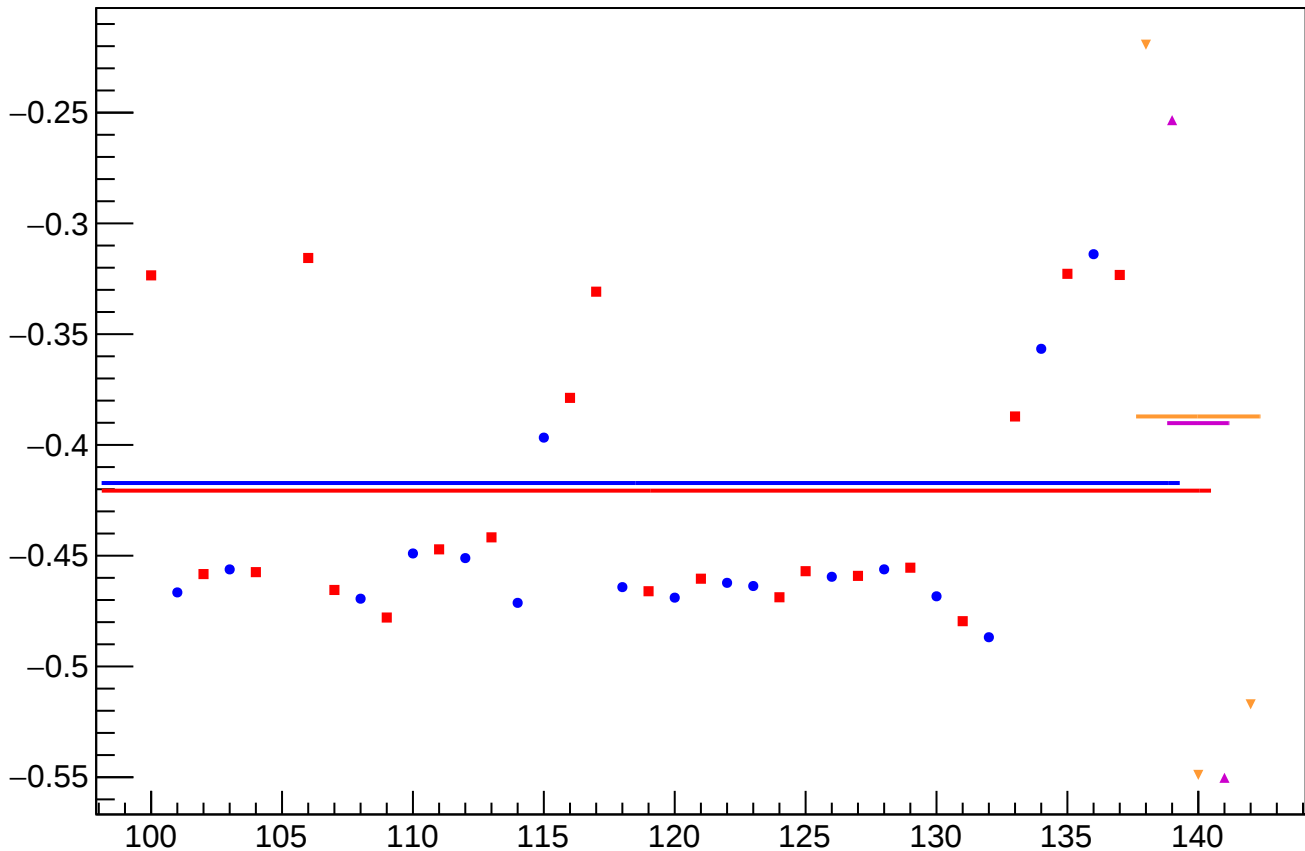
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 155700.3/19

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:1459.1/1

0.012 $\pm$ 0.000 χ^2 /NDF: 84808.7/19

0.011 $\pm$ 0.000 χ^2 /NDF: 163119.4/21

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.387+/-0.000 χ^2/NDF : 3253090939.3/2

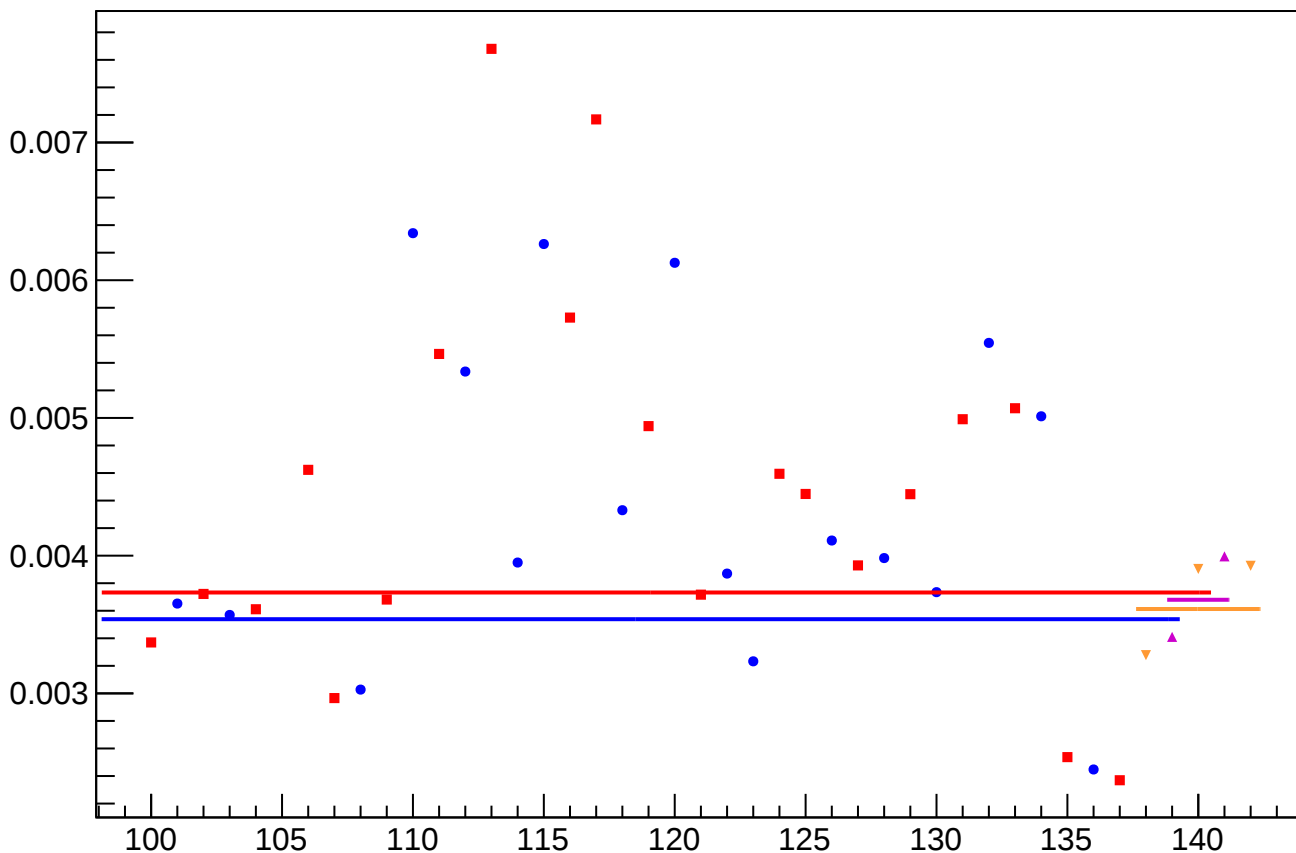
Right Out: -0.421+/-0.000 χ^2/NDF : 1652792044.5/19

Left In: -0.390+/-0.000 χ^2/NDF : 2206489651.8/1

-0.410+/-0.000 χ^2/NDF : 5381761229.8/19

-0.415+/-0.000 χ^2/NDF : 3934857868.6/21

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 836154.0/16

Left Out: 0.004+/-0.000 χ^2/NDF :25814.4/2

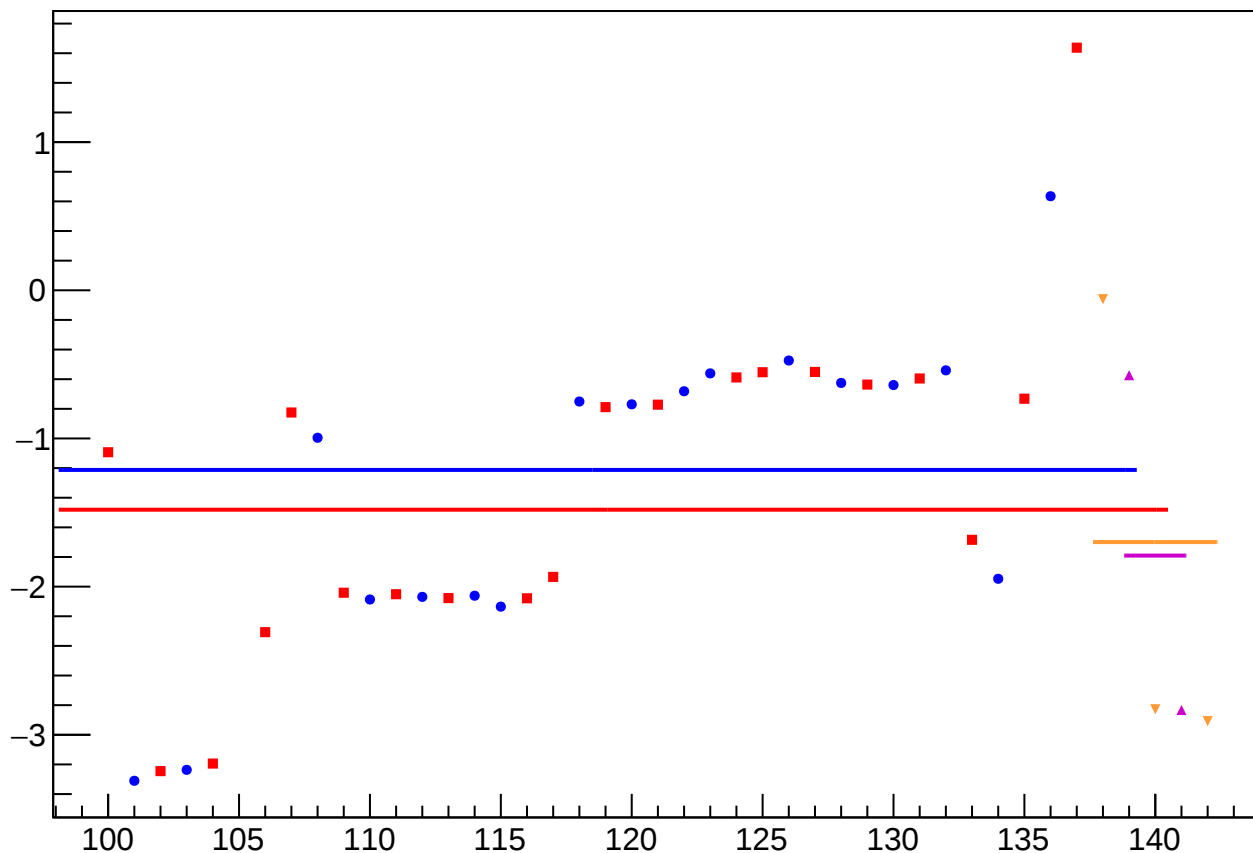
Right Out: 0.004+/-0.000 χ^2/NDF : 916963.6/19

Left In: 0.004+/-0.000 χ^2/NDF :17109.4/1

0.004+/-0.000 χ^2/NDF : 863056.1/19

0.004+/-0.000 χ^2/NDF : 934528.2/21

yield_bpm0r03X_mean vs Slug



Right In: -1.212+/-0.000 χ^2/NDF : 1992853443.9/16

Left Out: -1.699+/-0.000 χ^2/NDF : 651173200.4/2

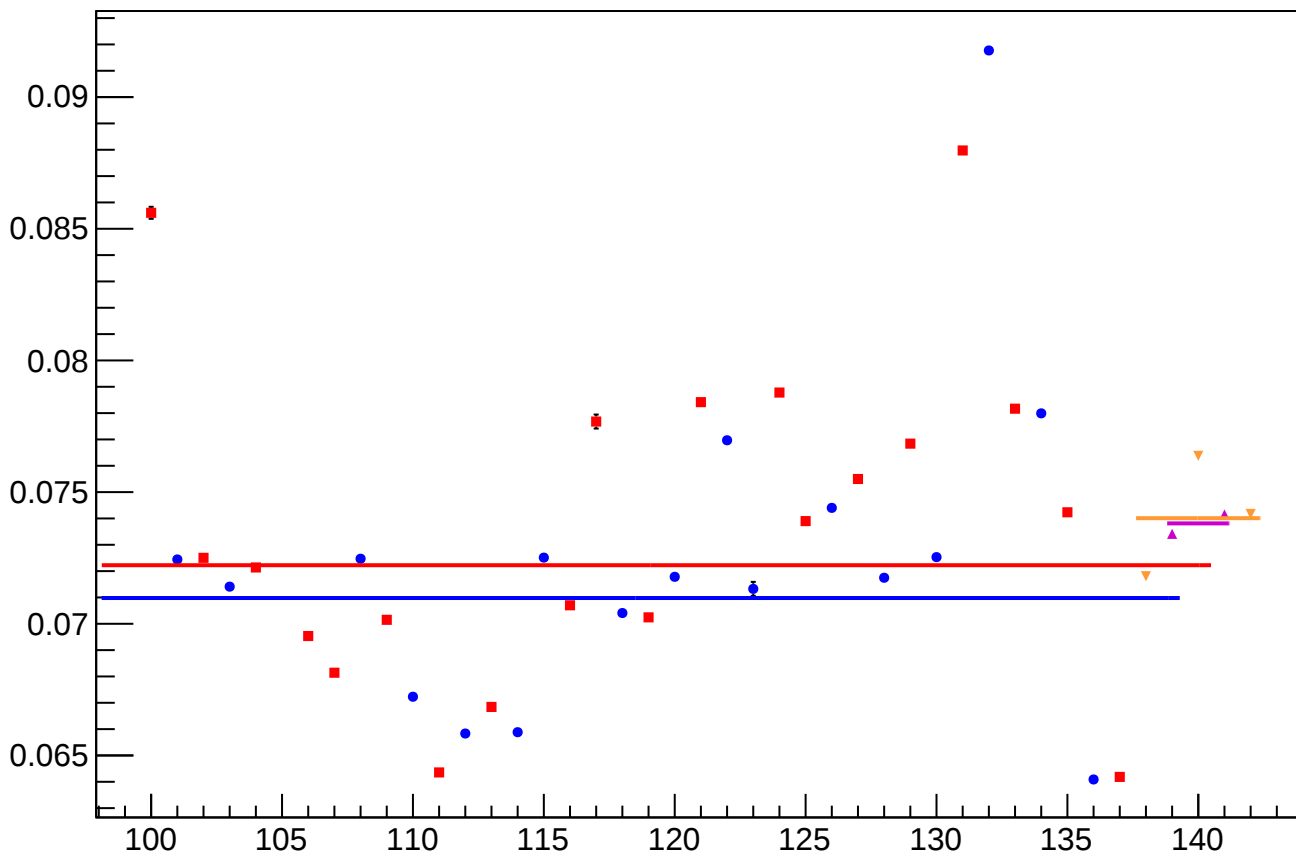
Right Out: -1.481+/-0.000 χ^2/NDF : 1579722113.8/19

Left In: -1.790+/-0.000 χ^2/NDF : 346153377.3/1

-1.314+/-0.000 χ^2/NDF : 2708395813.8/19

-1.533+/-0.000 χ^2/NDF : 1947621887.8/21

yield_bpm0r03X_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF : 77589.5/16

Left Out: 0.074+/-0.000 χ^2/NDF : 2808.3/2

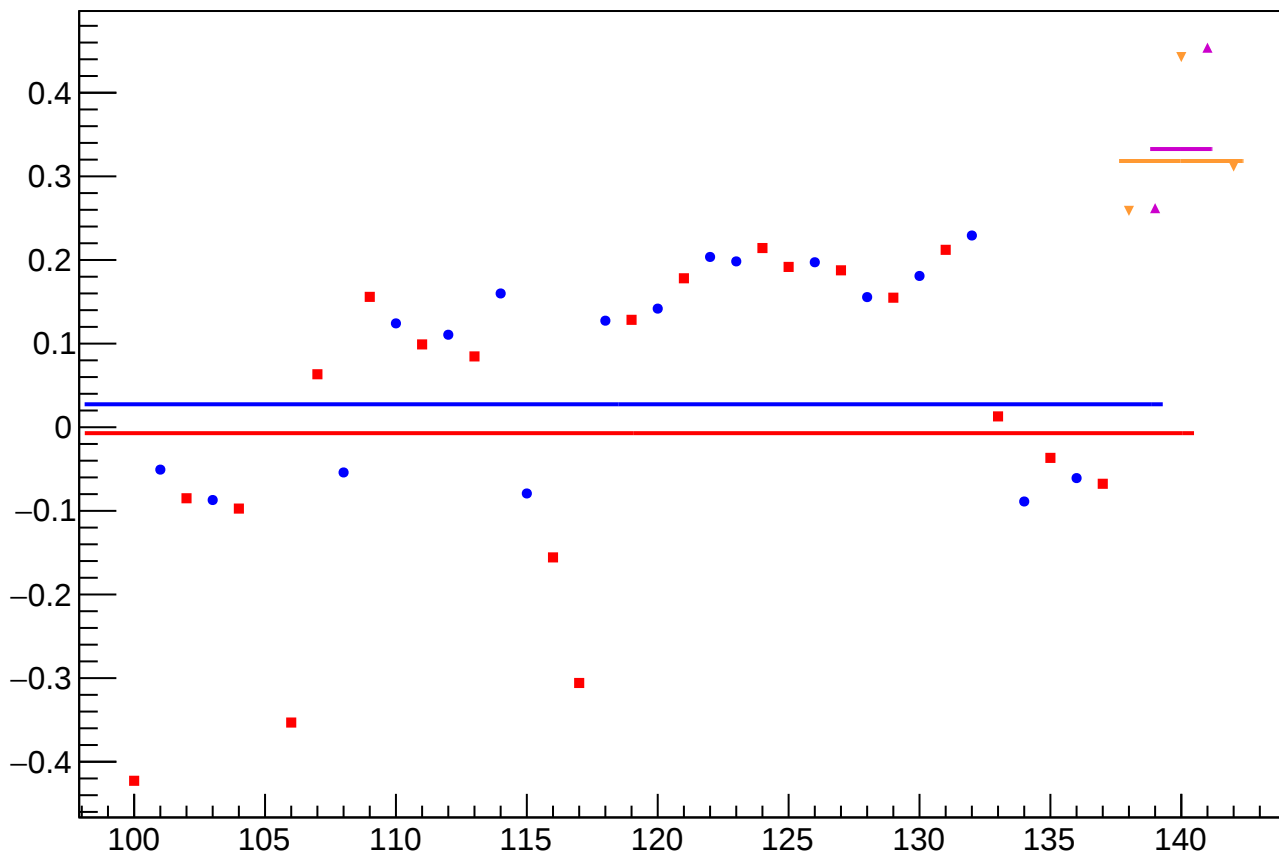
Right Out: 0.072+/-0.000 χ^2/NDF : 73650.9/19

Left In: 0.074+/-0.000 χ^2/NDF : 73.4/1

0.072+/-0.000 χ^2/NDF : 85388.1/19

0.072+/-0.000 χ^2/NDF : 74867.6/21

yield_bpm0r03Y_mean vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 562337631.4/16

Left Out: 0.318 $\pm$ 0.000 χ^2 /NDF: 201870533.1/2

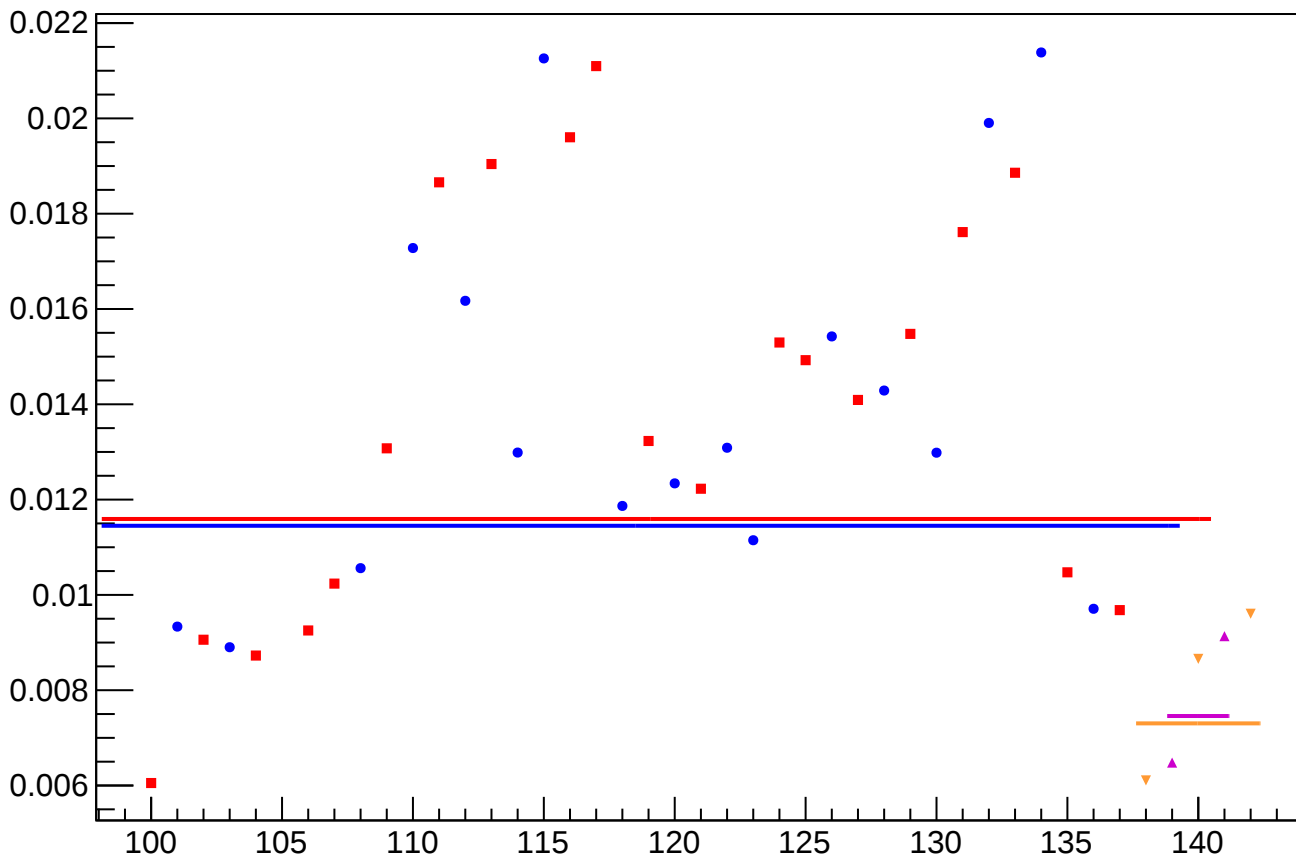
Right Out: -0.007 $\pm$ 0.000 χ^2 /NDF: 1207003891.2/19

Left In: 0.333 $\pm$ 0.000 χ^2 /NDF: 207086680.0/1

0.148 $\pm$ 0.000 χ^2 /NDF: 2305208209.7/19

0.113 $\pm$ 0.000 χ^2 /NDF: 3220251567.7/21

yield_bpm0r03Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 679628.0/16

Left Out: 0.007+/-0.000 χ^2/NDF :128534.6/2

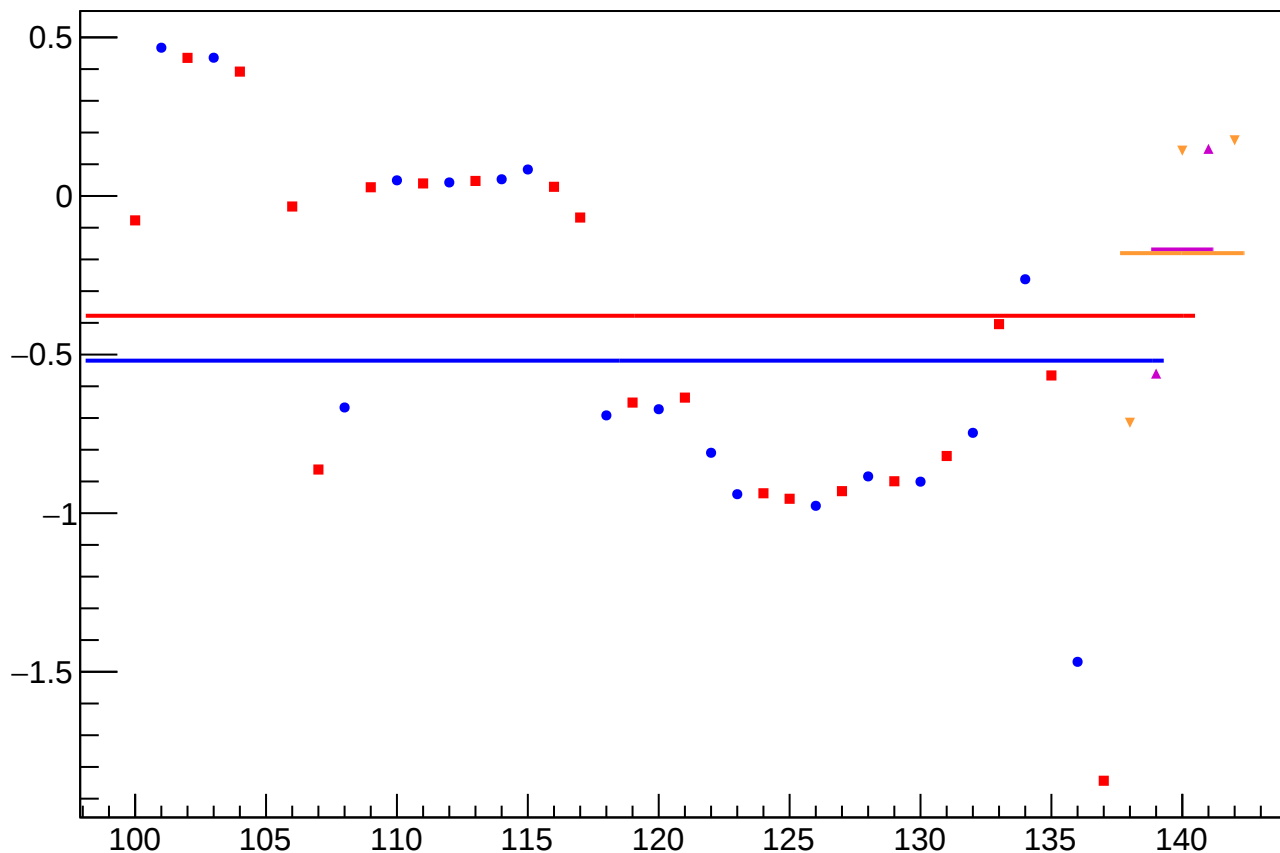
0.010+/-0.000 χ^2/NDF : 1434424.0/19

Right Out: 0.012+/-0.000 χ^2/NDF : 1012799.2/19

0.010+/-0.000 χ^2/NDF : 1626966.1/21

Left In: 0.007+/-0.000 χ^2/NDF :79166.9/1

yield_bpm0r05X_mean vs Slug



Right In: -0.519 ± 0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.180 ± 0.000 χ^2/NDF : 48009912.4/2

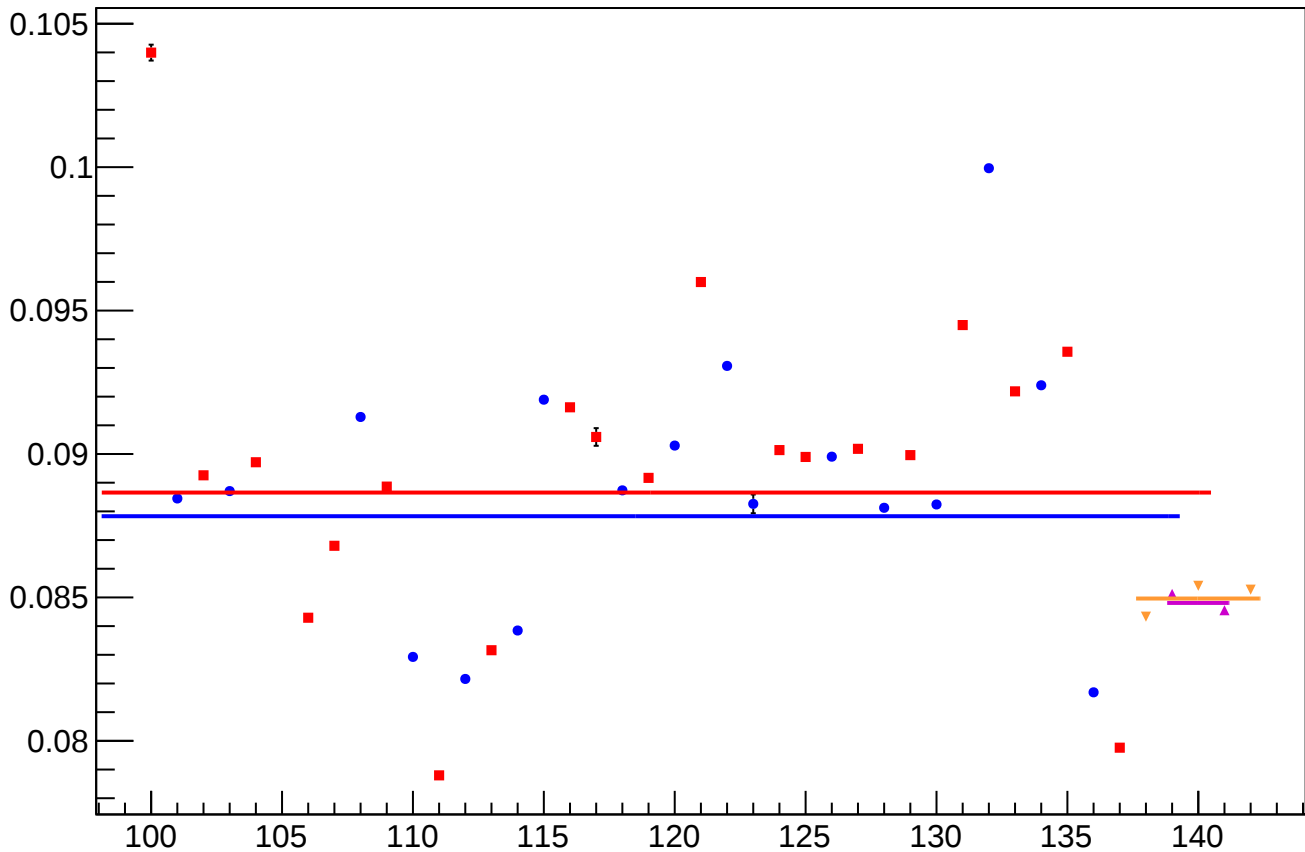
Right Out: -0.378 ± 0.000 χ^2/NDF : 269130827.6/19

Left In: -0.169 ± 0.000 χ^2/NDF : 26014247.2/1

-0.439 ± 0.000 χ^2/NDF : 410910752.1/19

-0.338 ± 0.000 χ^2/NDF : 302580675.5/21

yield_bpm0r05X_rms vs Slug



Right In: 0.088 ± 0.000 χ^2/NDF : 34954.4/16

Left Out: 0.085 ± 0.000 χ^2/NDF : 135.6/2

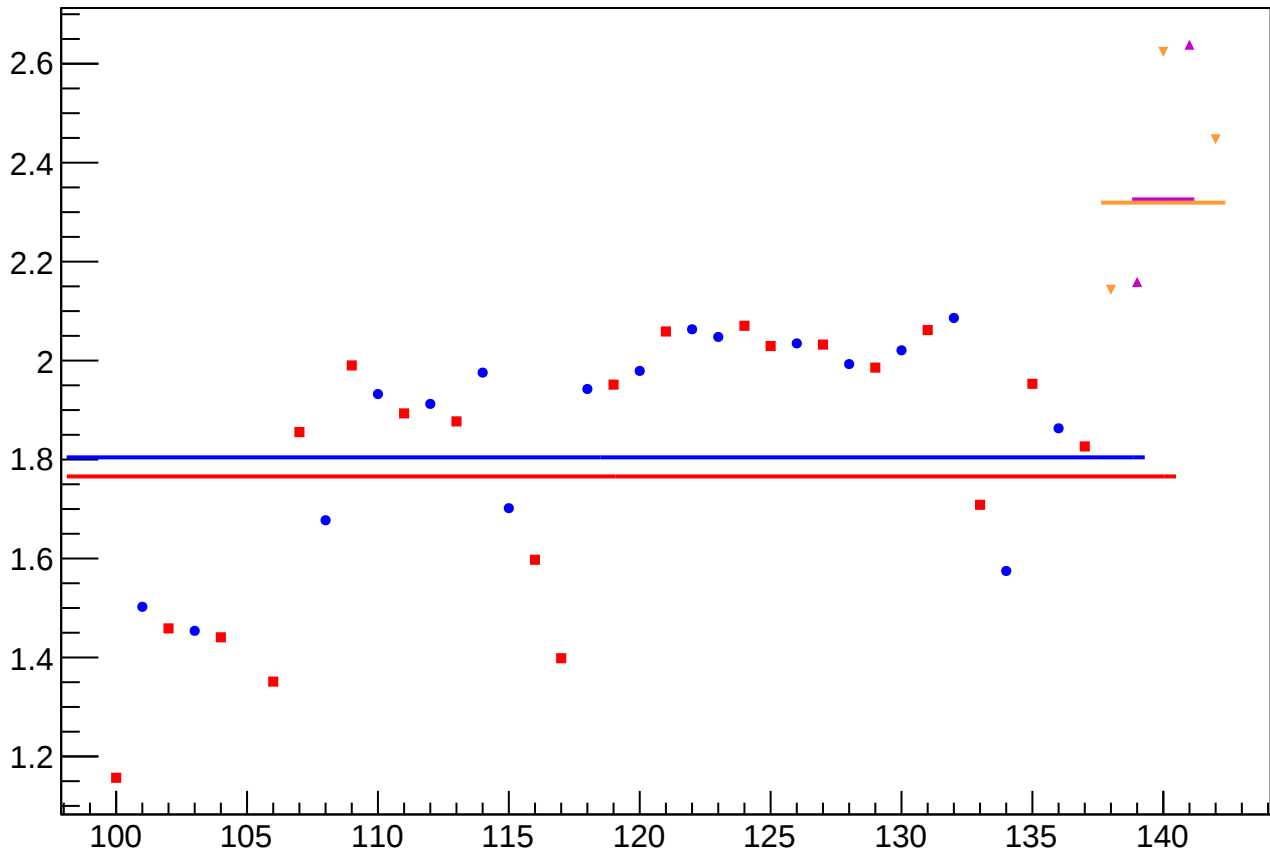
Right Out: 0.089 ± 0.000 χ^2/NDF : 39762.8/19

Left In: 0.085 ± 0.000 χ^2/NDF : 33.5/1

0.087 ± 0.000 χ^2/NDF : 38461.8/19

0.088 ± 0.000 χ^2/NDF : 44837.3/21

yield_bpm0r05Y_mean vs Slug



Right In: 1.804+/-0.000 χ^2/NDF : 1156747883.2/16

Left Out: 2.319+/-0.000 χ^2/NDF : 808168763.0/2

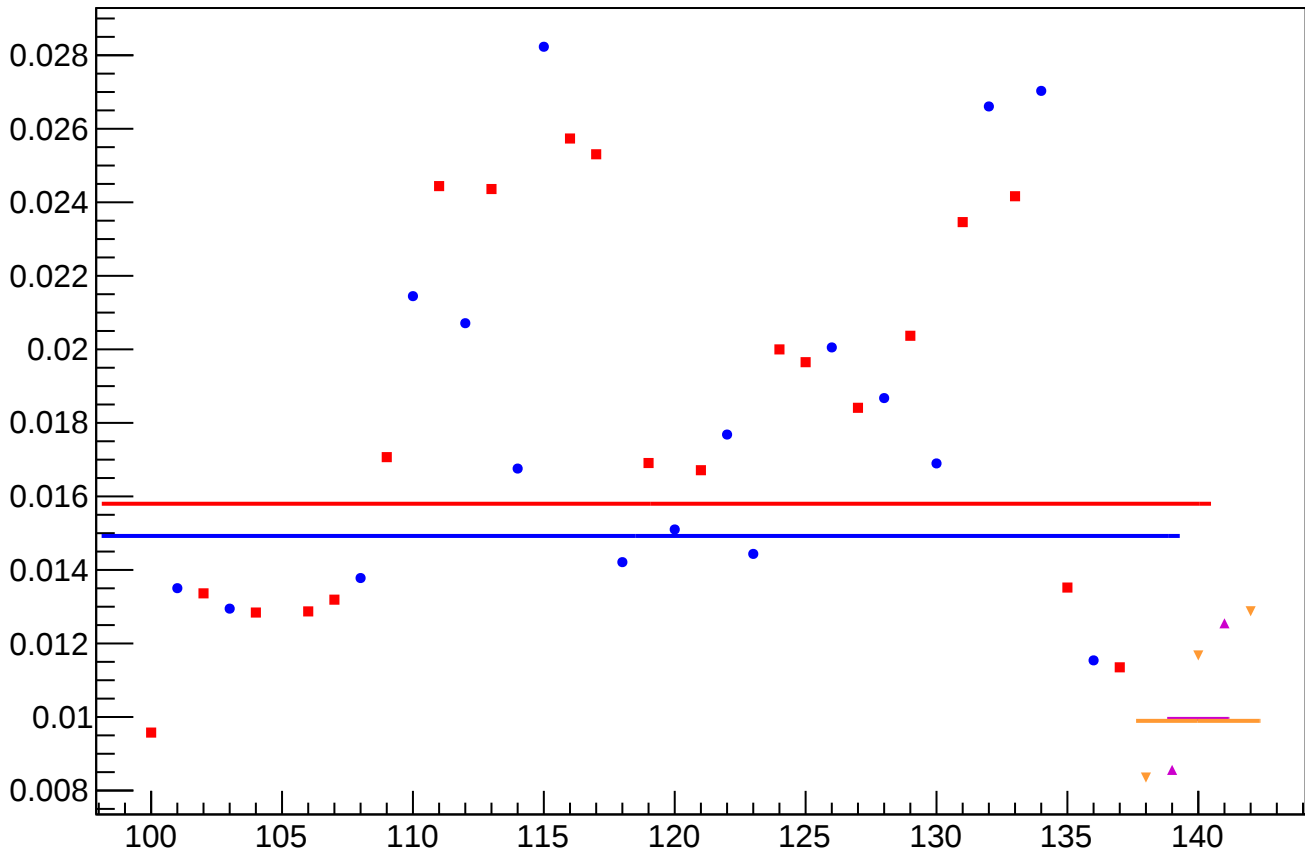
2.012+/-0.000 χ^2/NDF : 4717625813.1/19

Right Out: 1.766+/-0.000 χ^2/NDF : 1717275187.7/19

1.967+/-0.000 χ^2/NDF : 5162071806.2/21

Left In: 2.326+/-0.000 χ^2/NDF : 709960115.0/1

yield_bpm0r05Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 643651.9/16

Left Out: 0.010+/-0.000 χ^2/NDF :120714.2/2

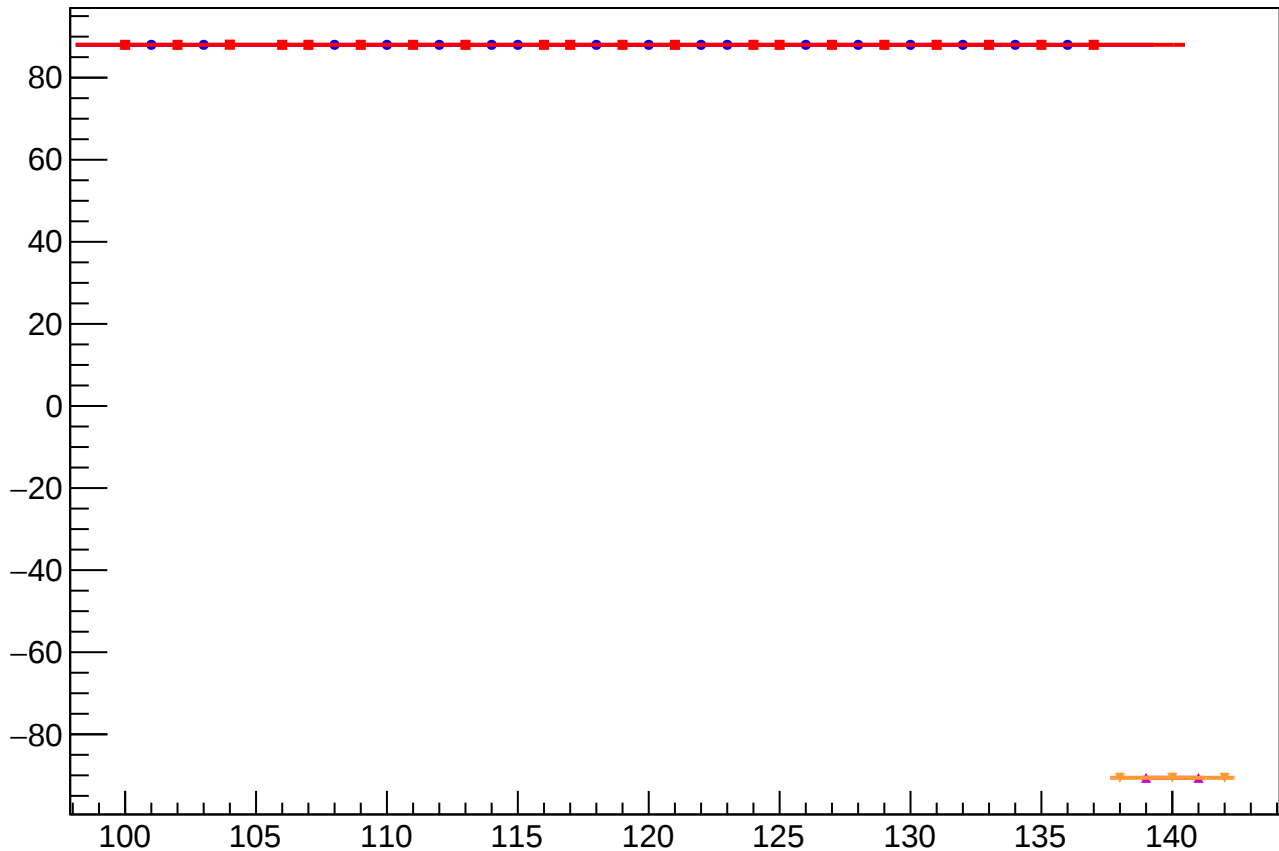
Right Out: 0.016+/-0.000 χ^2/NDF : 796839.8/19

Left In: 0.010+/-0.000 χ^2/NDF :98187.0/1

0.013+/-0.000 χ^2/NDF : 1289993.8/19

0.014+/-0.000 χ^2/NDF : 1492741.2/21

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2/NDF : 1852068.7/16

Left Out: -90.599 $\pm$ 0.000 χ^2/NDF : 1931838.3/2

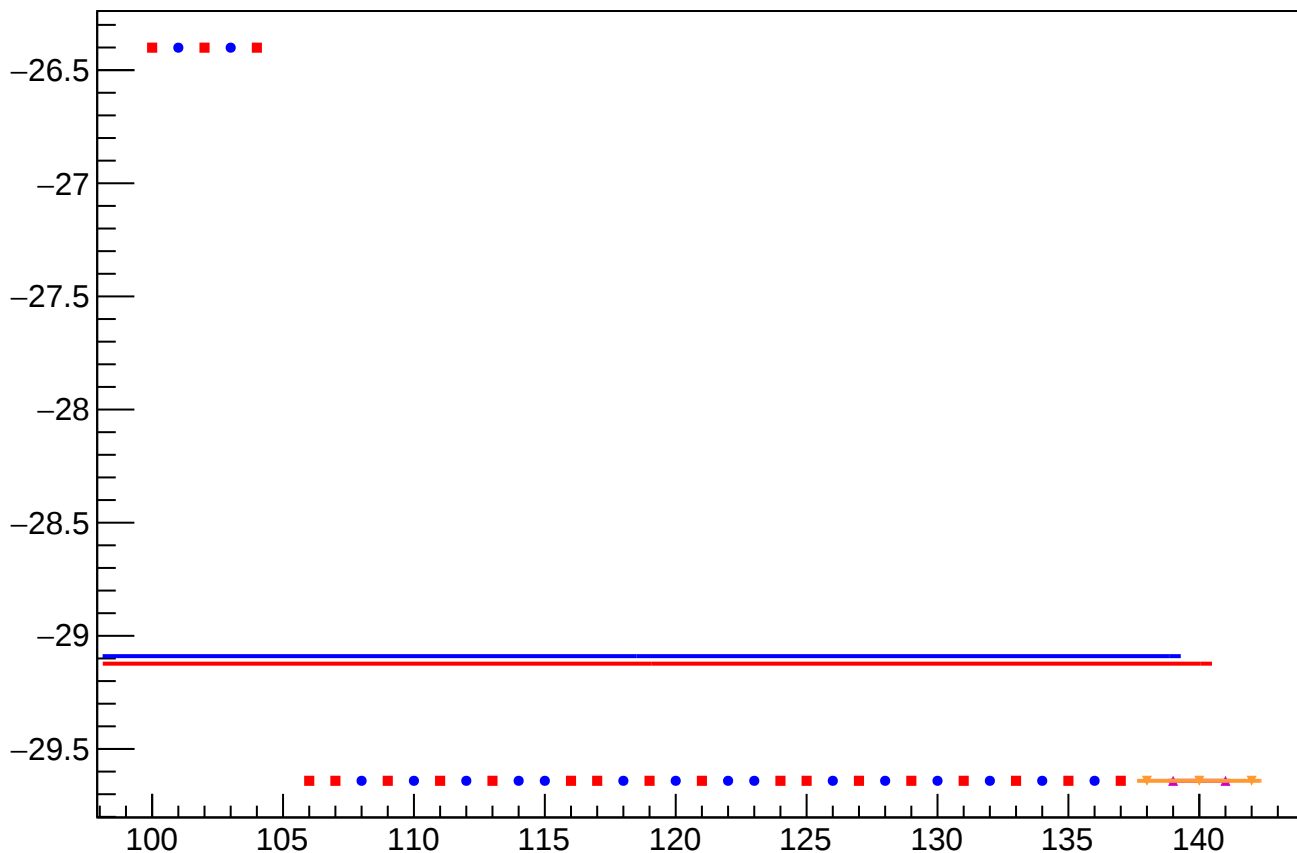
47.121 $\pm$ 0.000 χ^2/NDF : 506695550382221967

Right Out: 88.004 $\pm$ 0.000 χ^2/NDF : 77578366411928007427611426816.0/19

56.748 $\pm$ 0.000 χ^2/NDF : 405276484659805620

Left In: -90.599 $\pm$ 0.000 χ^2/NDF : 497600.8/1

epics_HWienAngles_mean vs Slug



Right In: -29.090+/-0.000 χ^2/NDF : 1028099246109521929793835198578688.0/16

Left Out: -29.641+/-0.000 χ^2/NDF : 122254.5/2

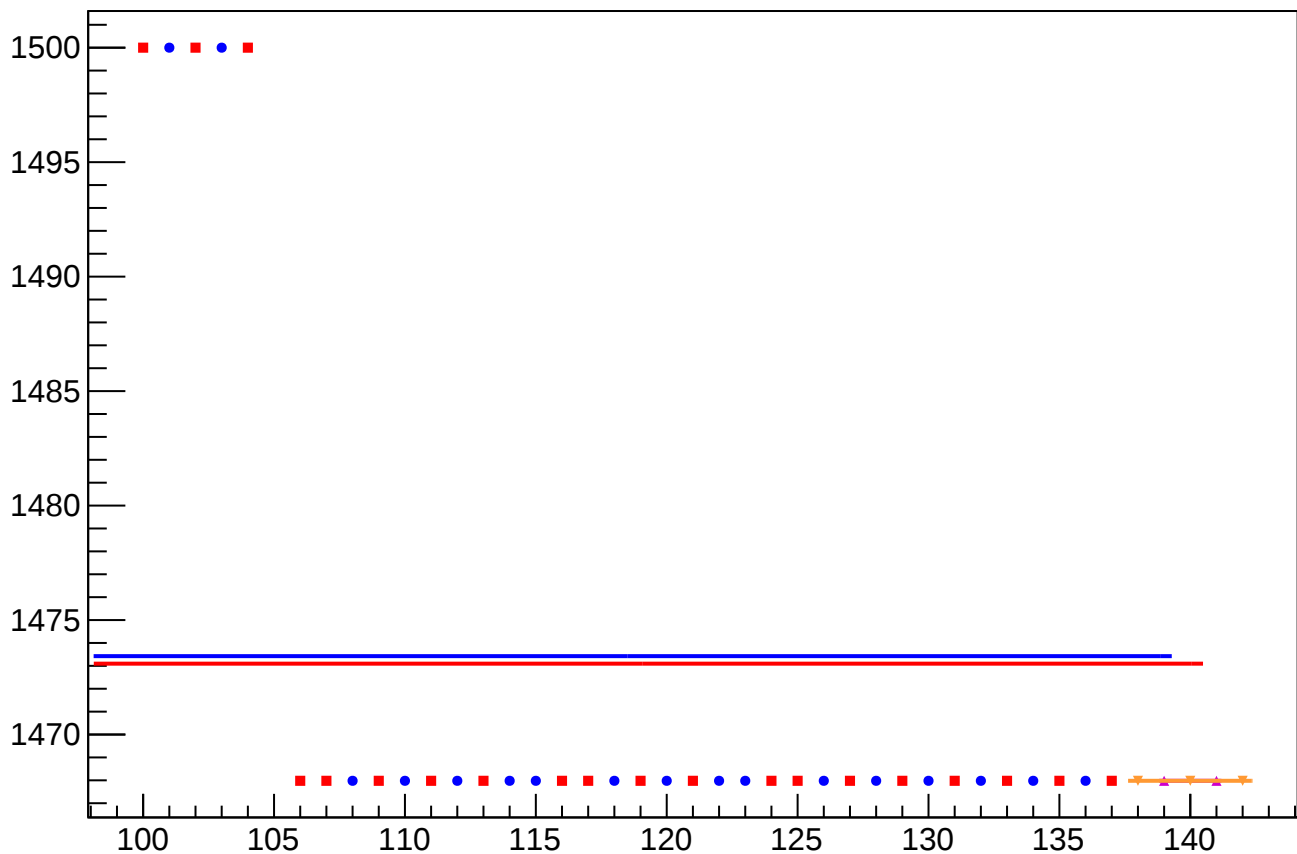
Right Out: -29.123+/-0.000 χ^2/NDF : 1023154512396702254583444720844800.0/19

Left In: -29.641+/-0.000 χ^2/NDF : 22845.4/1

-29.216+/-0.000 χ^2/NDF : 10763072640000056

-29.214+/-0.000 χ^2/NDF : 10572037527272730

epics_psub_pl_poss_mean vs Slug



Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1467.979+/-0.000 χ^2/NDF : 112703358.5/2

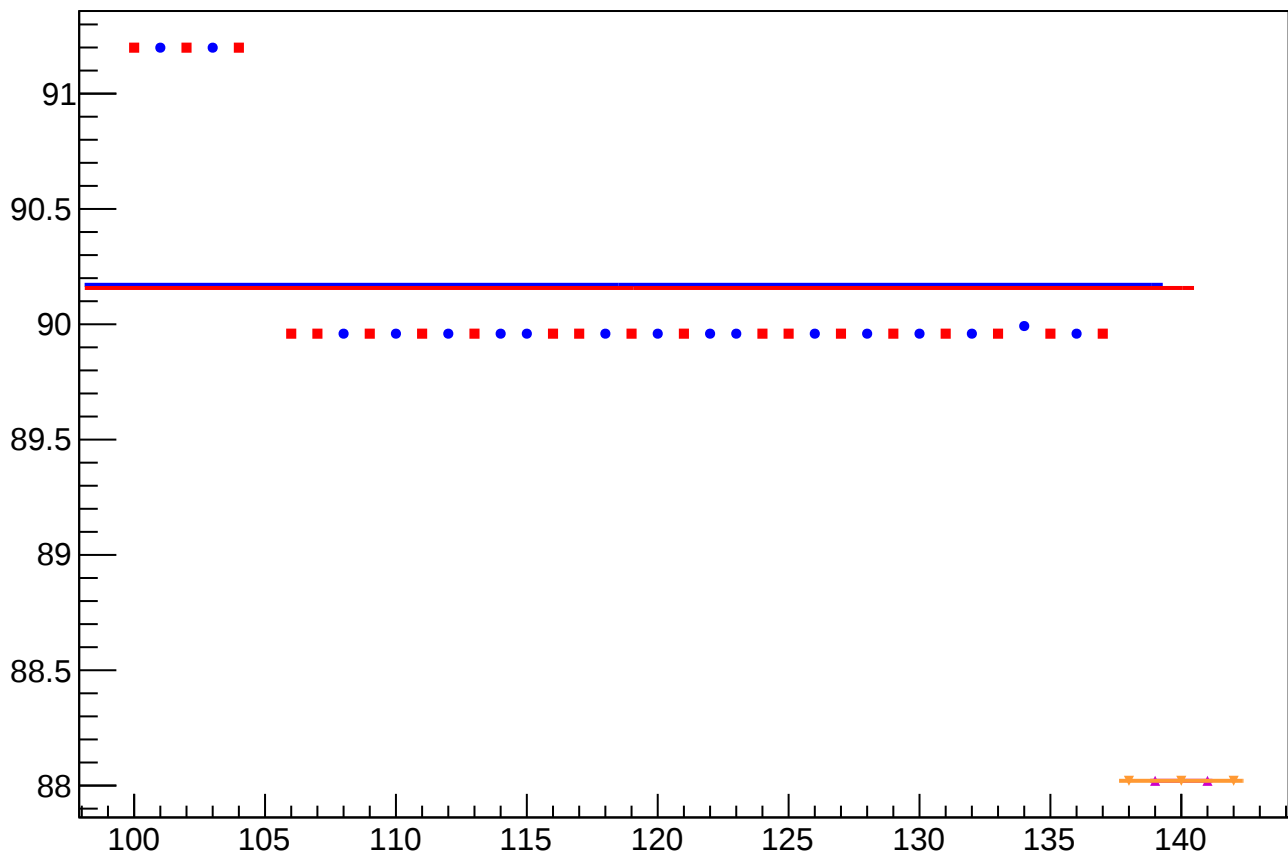
Right Out: 1473.096+/-0.000 χ^2/NDF : 99938310777099611815298348687032320.0/19

Left In: 1467.979+/-0.000 χ^2/NDF : 31846453.6/1

1472.178+/-0.000 χ^2/NDF : 1051300937815516

1472.200+/-0.000 χ^2/NDF : 1032641266931266

epics_Phi_FGs_mean vs Slug



Right In: 90.171+/-0.000 χ^2 /NDF: 150316905454500935857801185460224.0/16

Left Out: 88.021+/-0.000 χ^2 /NDF: 1738775.7/2

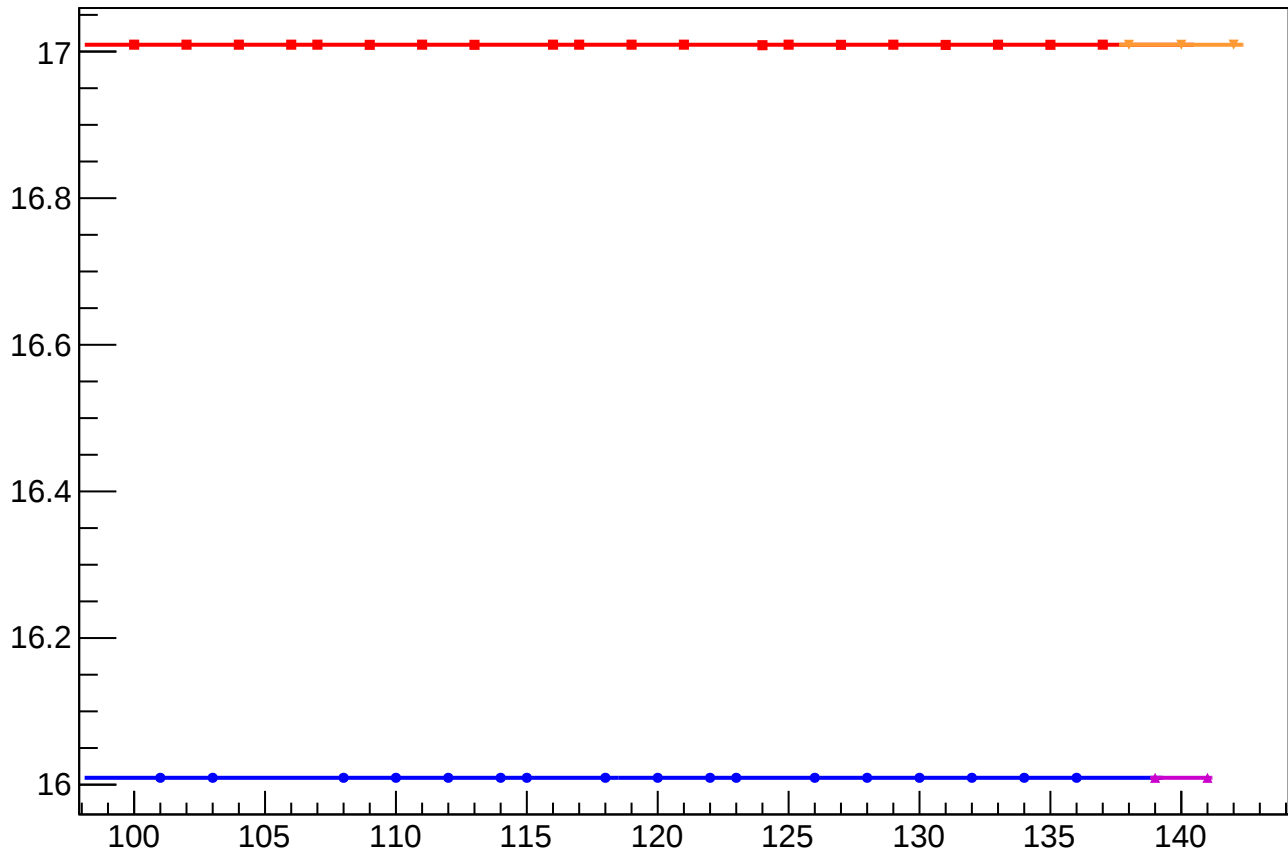
Right Out: 90.157+/-0.000 χ^2 /NDF: 149863052341628336344772108091392.0/19

Left In: 88.021+/-0.000 χ^2 /NDF: 502851.5/1

89.679+/-0.000 χ^2 /NDF: 884889313297448079

89.783+/-0.000 χ^2 /NDF: 729919276615720942

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 44327.7/16

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 7684106882149214444851712.0/2

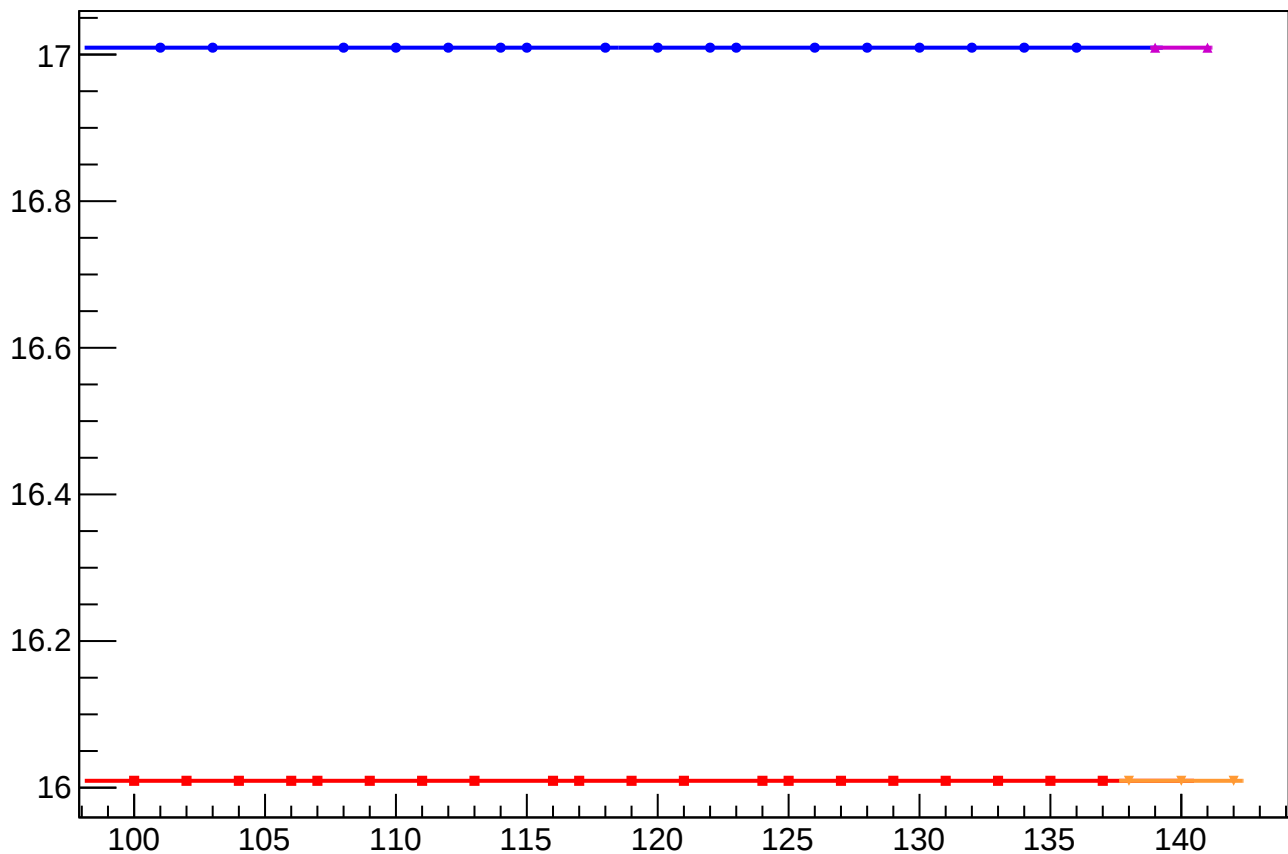
Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 12548783366686740957888512.0/19

Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 870.9/1

16.217 $\pm$ 0.000 χ^2 /NDF: 137117249141596990

16.834 $\pm$ 0.000 χ^2 /NDF: 115417776646631030

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 132629.6/16

Left Out: 16.009+/-0.000 χ^2/NDF : 10198.4/2

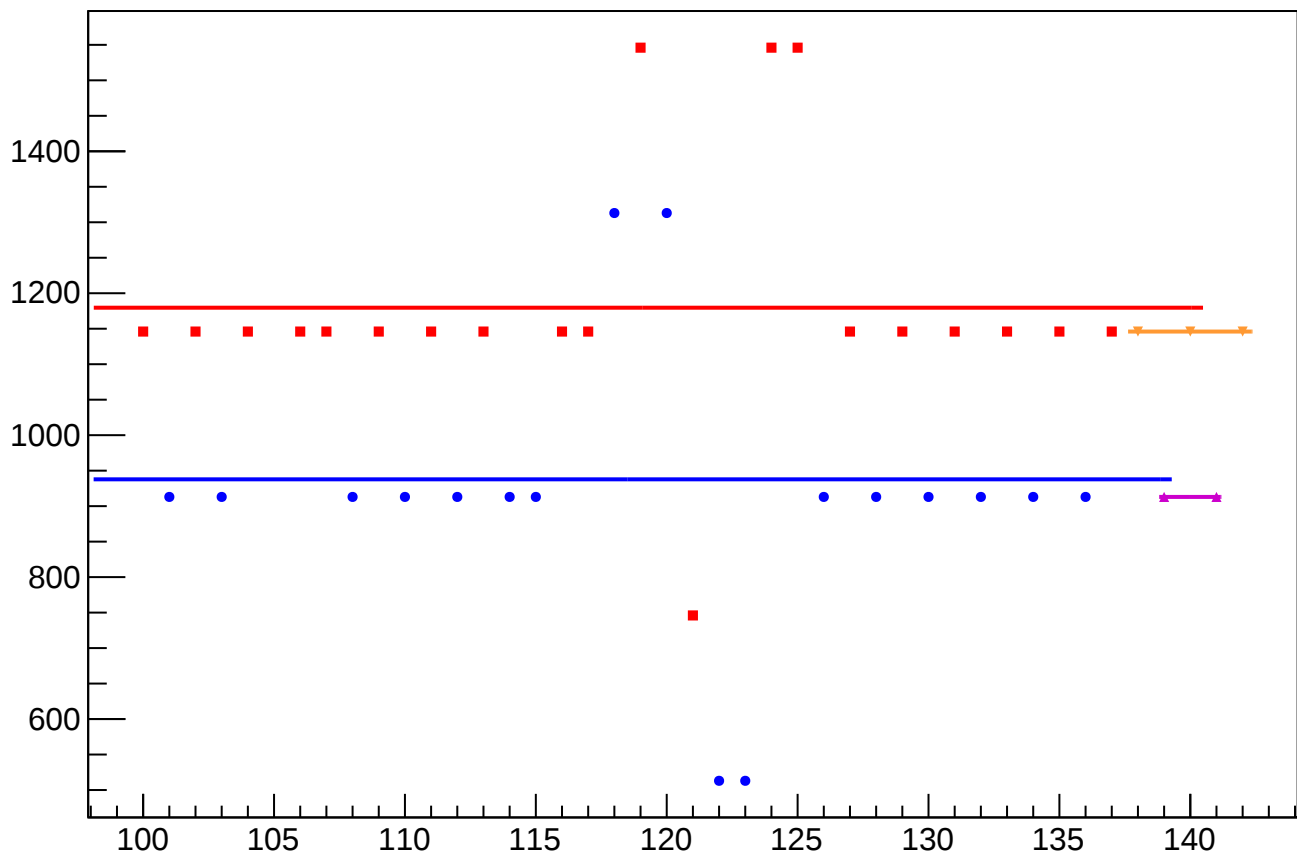
Right Out: 16.009+/-0.000 χ^2/NDF : 42750.0/19

Left In: 17.009+/-0.000 χ^2/NDF : 5162.3/1

16.772+/-0.000 χ^2/NDF : 157110599078337700

16.186+/-0.000 χ^2/NDF : 126833906071009273

epics_RTPAPOSUCNTs_mean vs Slug



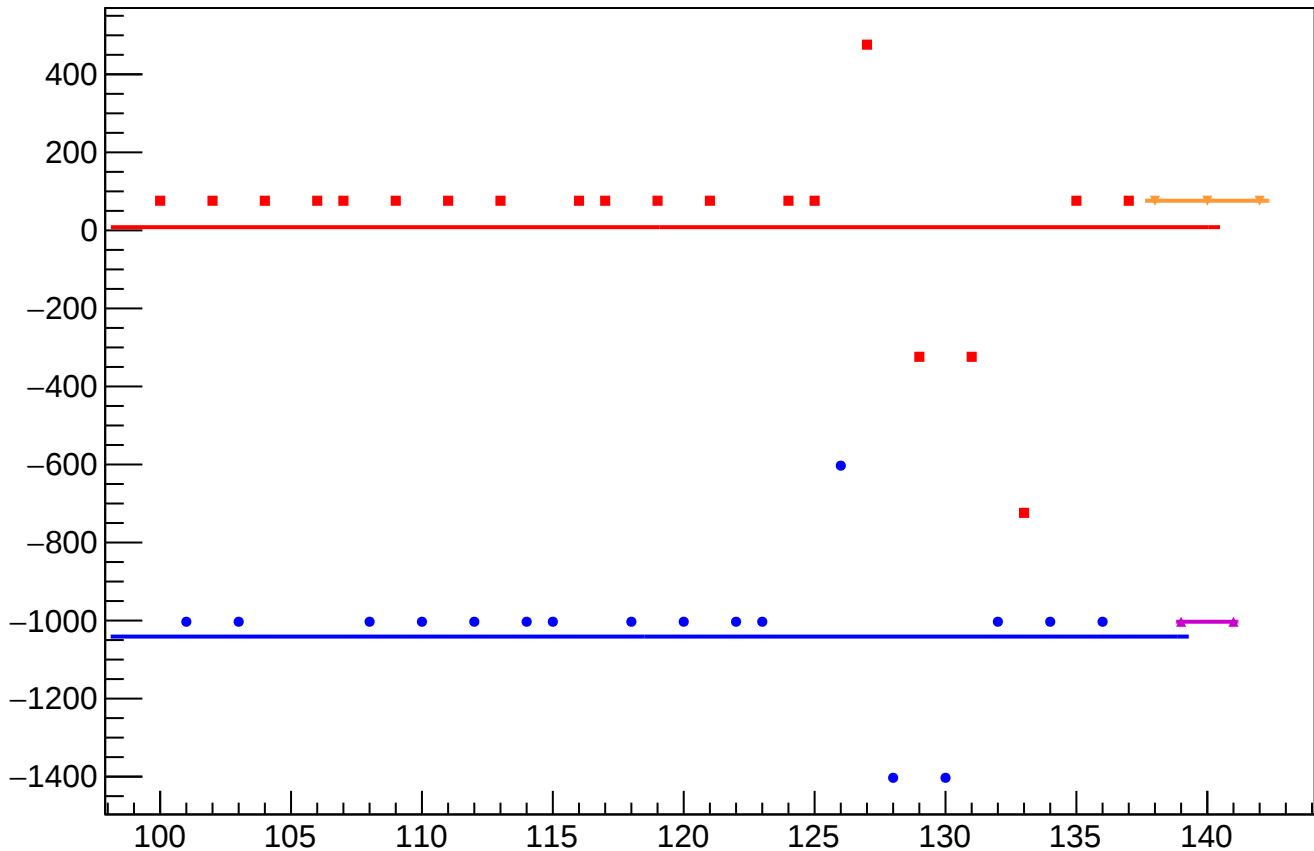
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.013+/-0.000 χ^2/NDF : 638462257491307519274909696.0/2

Right Out: 1179.619+/-0.000 χ^2/NDF : 21420659731738679306829480097874968576.0/19

Left In: 912.991+/-0.000 χ^2/NDF : 1666851062095801816711168.0/1

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1041.030+/-0.000 χ^2/NDF : 22675401109943882512554797113855180800.0/16
 Left Out: 76.010+/-0.000 χ^2/NDF : 113311259053043344866279424.0/2 χ^2/NDF : 2208834590712246
 Right Out: 8.240+/-0.000 χ^2/NDF : 43865391744972338137265798243810279424.0/19
 Left In: -1002.990+/-0.000 χ^2/NDF : 82706419775977992694530048.0/1 χ^2/NDF : 1737851604873720