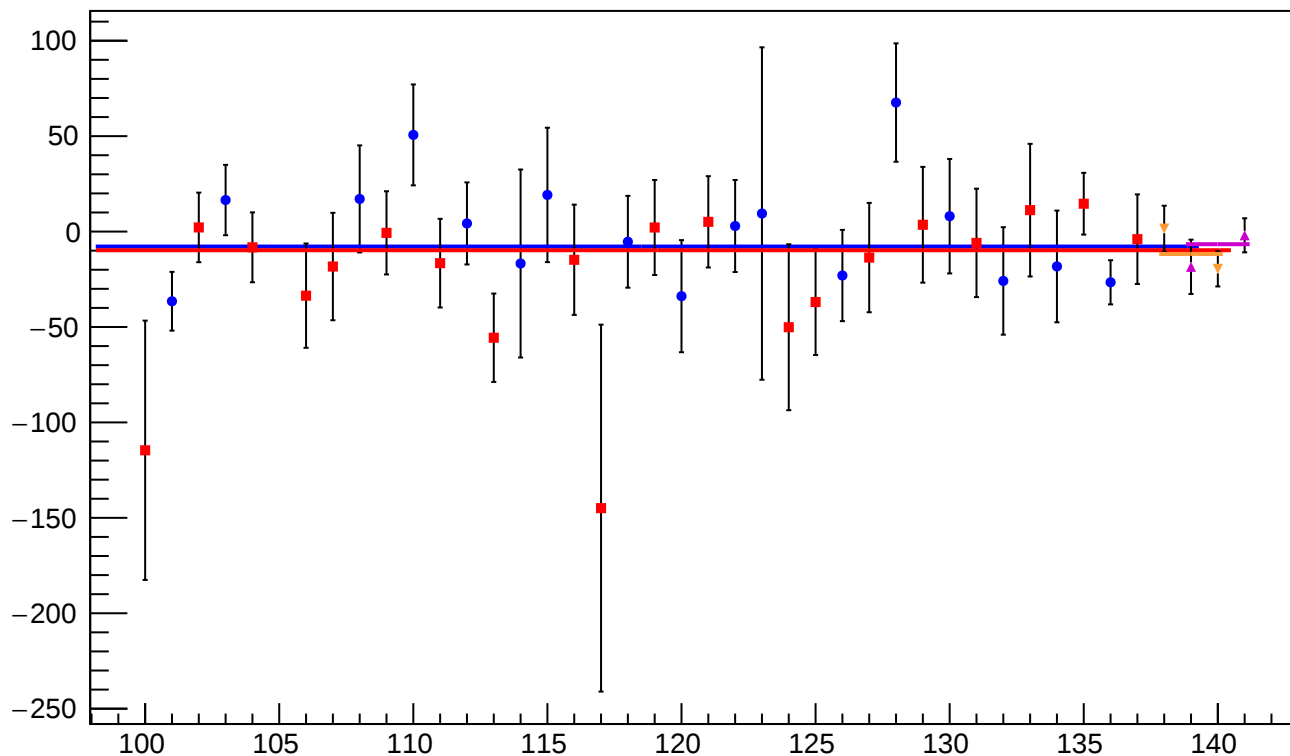


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

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

Left Out: -11.721 ± 7.320

$\chi^2/\text{NDF}: 1.9/1$

Right Out: -9.781 ± 5.667

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

Left In: -6.616 ± 7.557

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

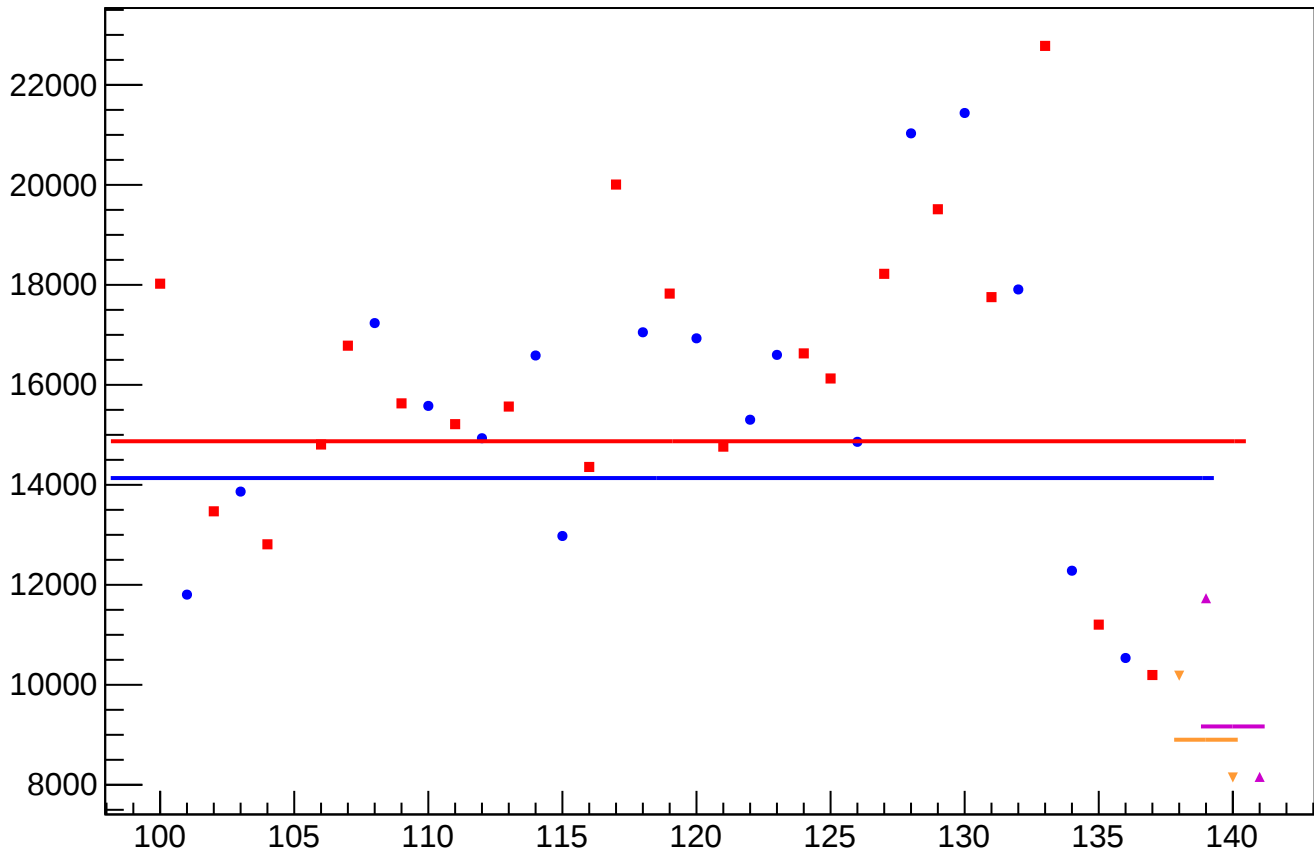
-9.276 ± 4.452

$\chi^2/\text{NDF}: 24.7/18$

-8.641 ± 4.534

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

diff_bpm4aX_rms vs Slug



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

Left Out: 8901.855+/-5.176 χ^2/NDF :36109.8/1

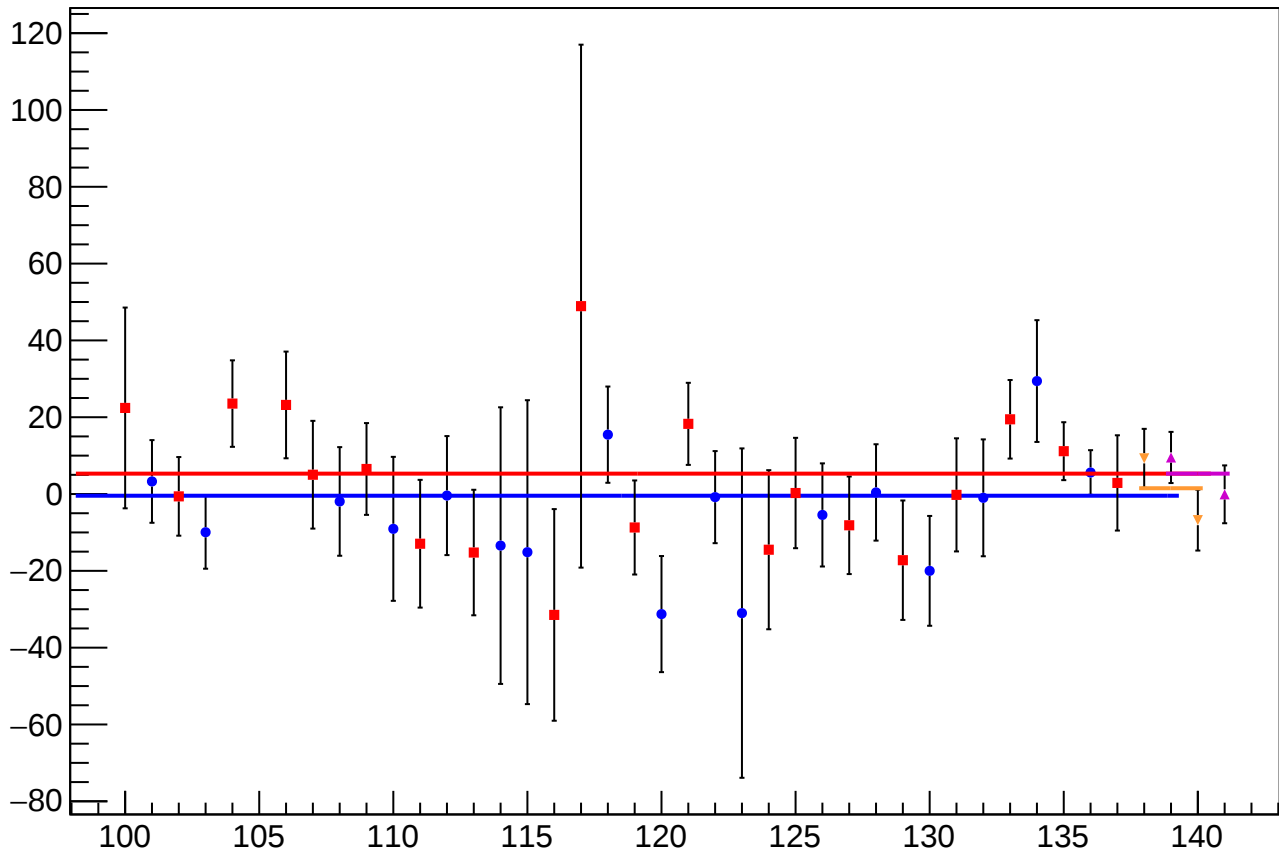
12199.785+/-3.148 χ^2/NDF : 1277610.6/18

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: 1.507 ± 5.512 χ^2/NDF : 2.1/1

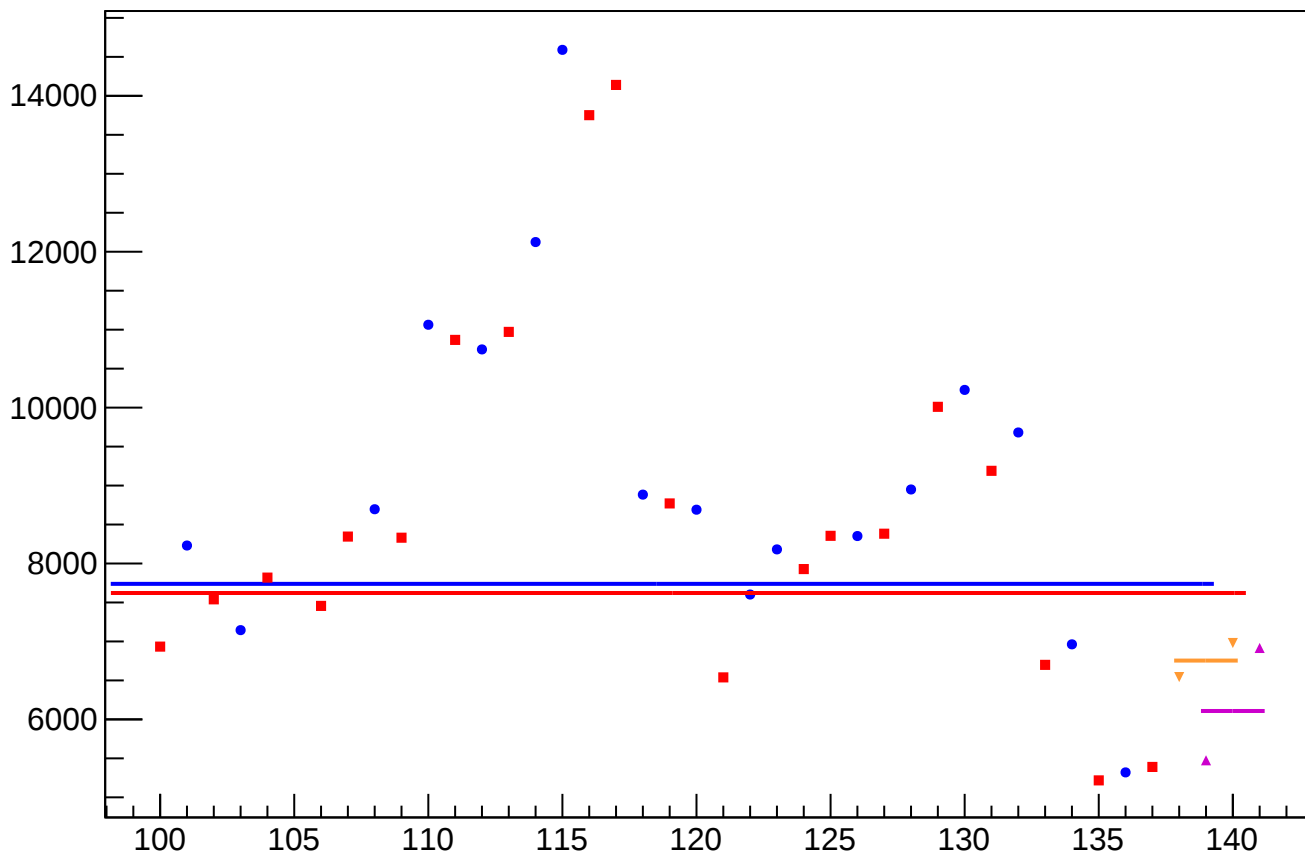
Right Out: 5.310 ± 2.933 χ^2/NDF : 19.8/19

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

0.020 ± 2.683 χ^2/NDF : 16.8/18

5.310 ± 2.529 χ^2/NDF : 20.7/21

diff_bpm4aY_rms vs Slug



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

Left Out: 6754.640 $\pm$ 3.898 χ^2 /NDF:3139.9/1

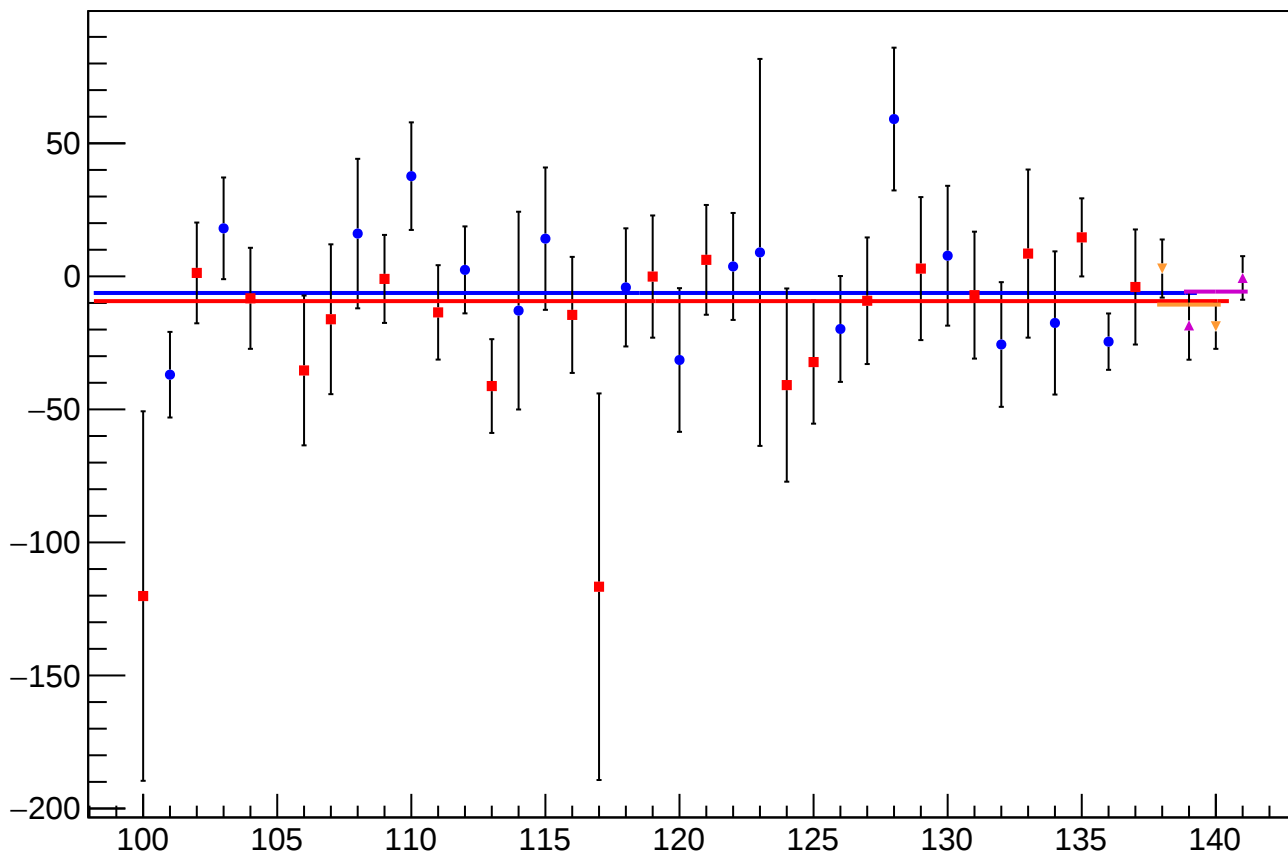
Right Out: 7621.652 $\pm$ 2.074 χ^2 /NDF: 697548.6/19

Left In: 6107.832 $\pm$ 3.528 χ^2 /NDF:41086.6/1

7505.732 $\pm$ 1.897 χ^2 /NDF: 792640.4/18

7232.915 $\pm$ 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: -10.619 ± 6.695 $\chi^2/\text{NDF}: 2.5/1$

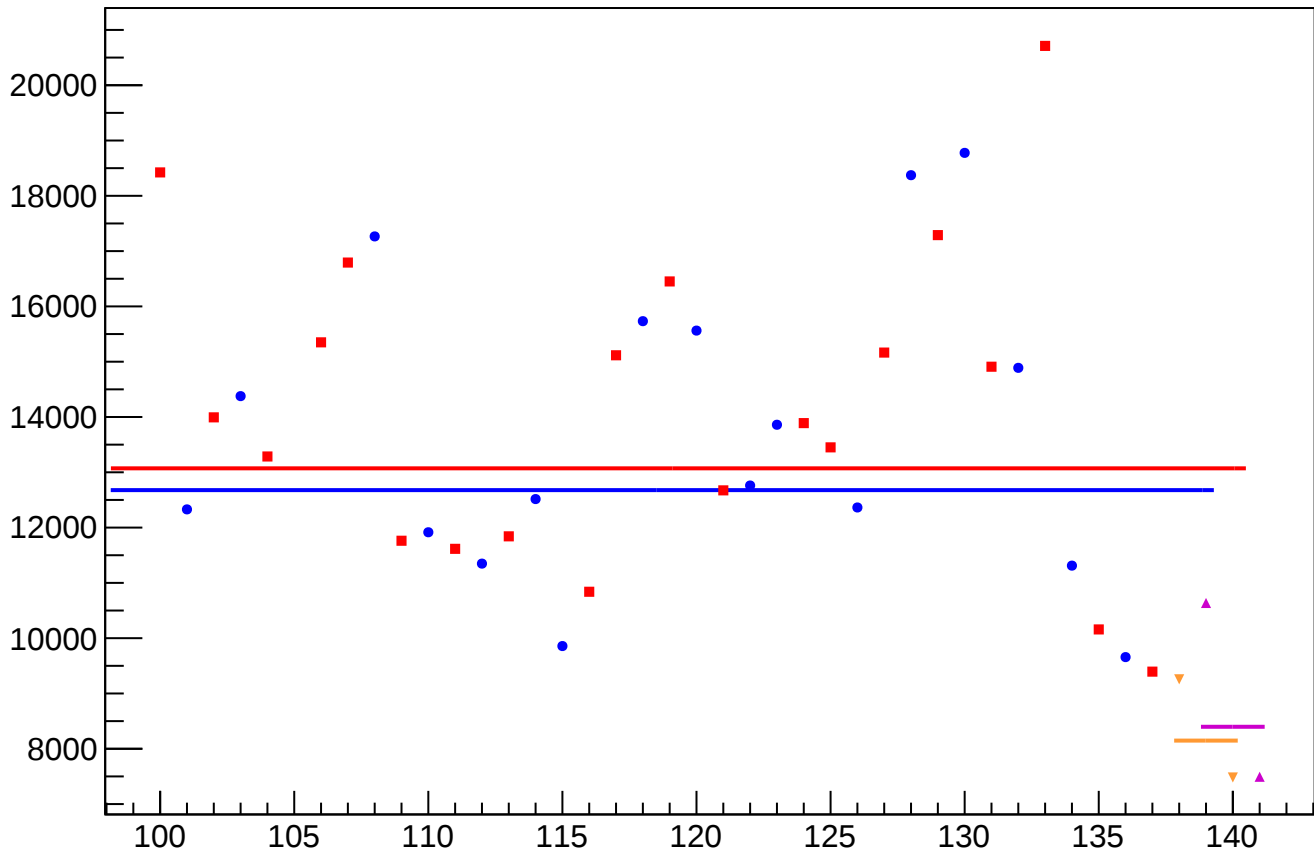
Right Out: -9.310 ± 4.987 $\chi^2/\text{NDF}: 15.3/19$

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

-7.818 ± 4.015 $\chi^2/\text{NDF}: 25.9/18$

-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: 8147.843+/-4.734 χ^2/NDF : 32978.9/1

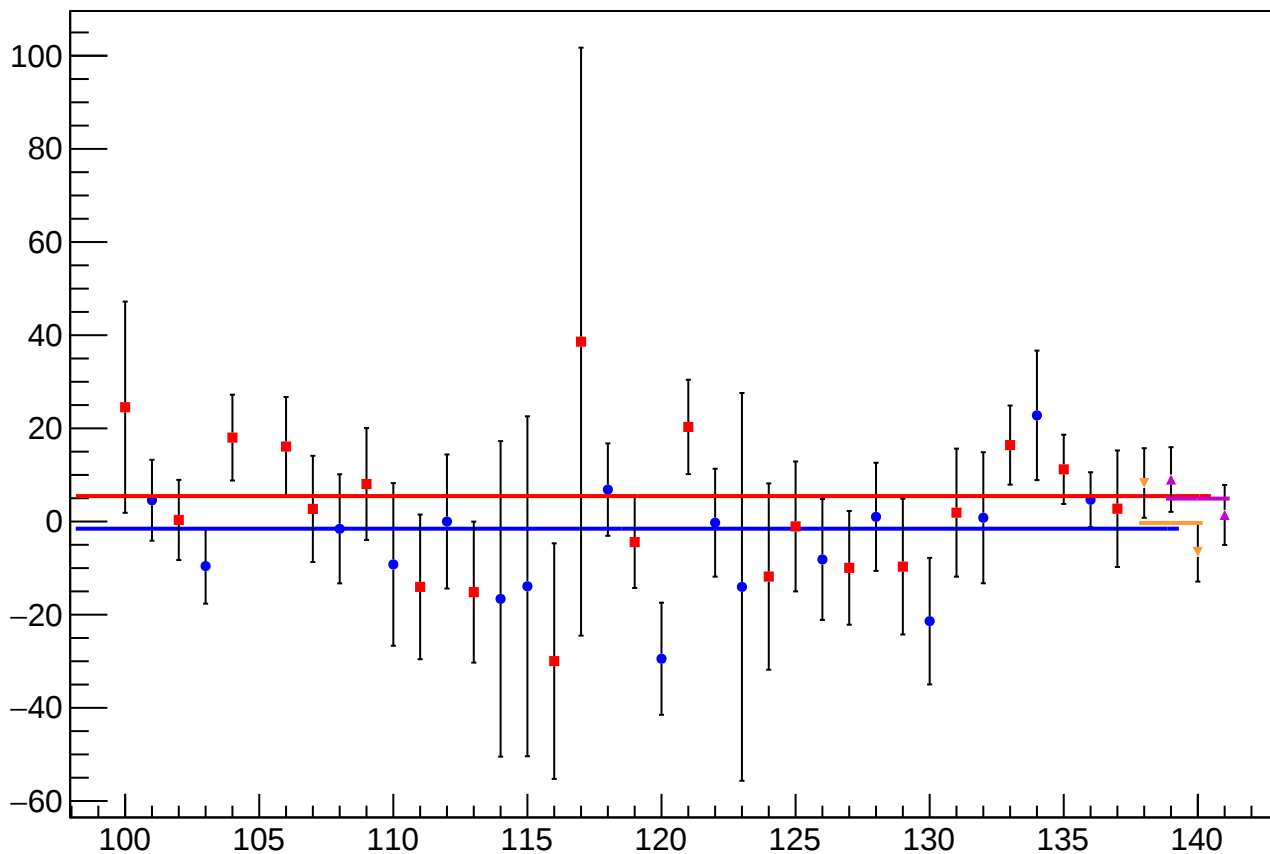
11048.400+/-2.839 χ^2/NDF : 1172857.8/18

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

11472.314+/-2.860 χ^2/NDF : 1184607.4/21

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

diff_bpm4eY_mean vs Slug



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

Left Out: -0.298 $\pm$ 4.847 χ^2 /NDF: 2.3/1

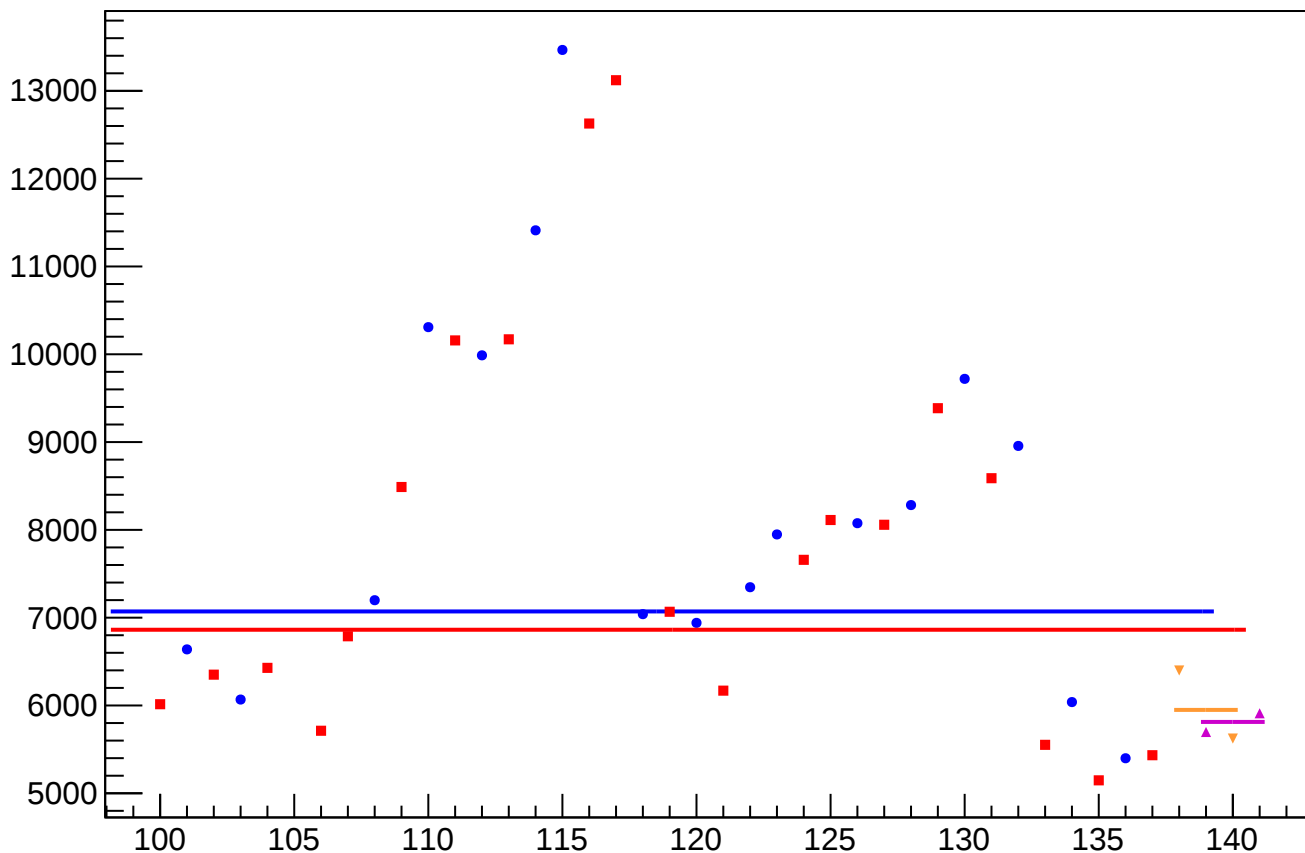
Right Out: 5.463 $\pm$ 2.637 χ^2 /NDF: 18.9/19

Left In: 4.930 $\pm$ 4.719 χ^2 /NDF: 0.6/1

-1.229 $\pm$ 2.418 χ^2 /NDF: 17.2/18

5.336 $\pm$ 2.302 χ^2 /NDF: 19.5/21

diff_bpm4eY_rms vs Slug



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

Left Out: 5949.628 $\pm$ 3.427 χ^2/NDF : 12469.5/1

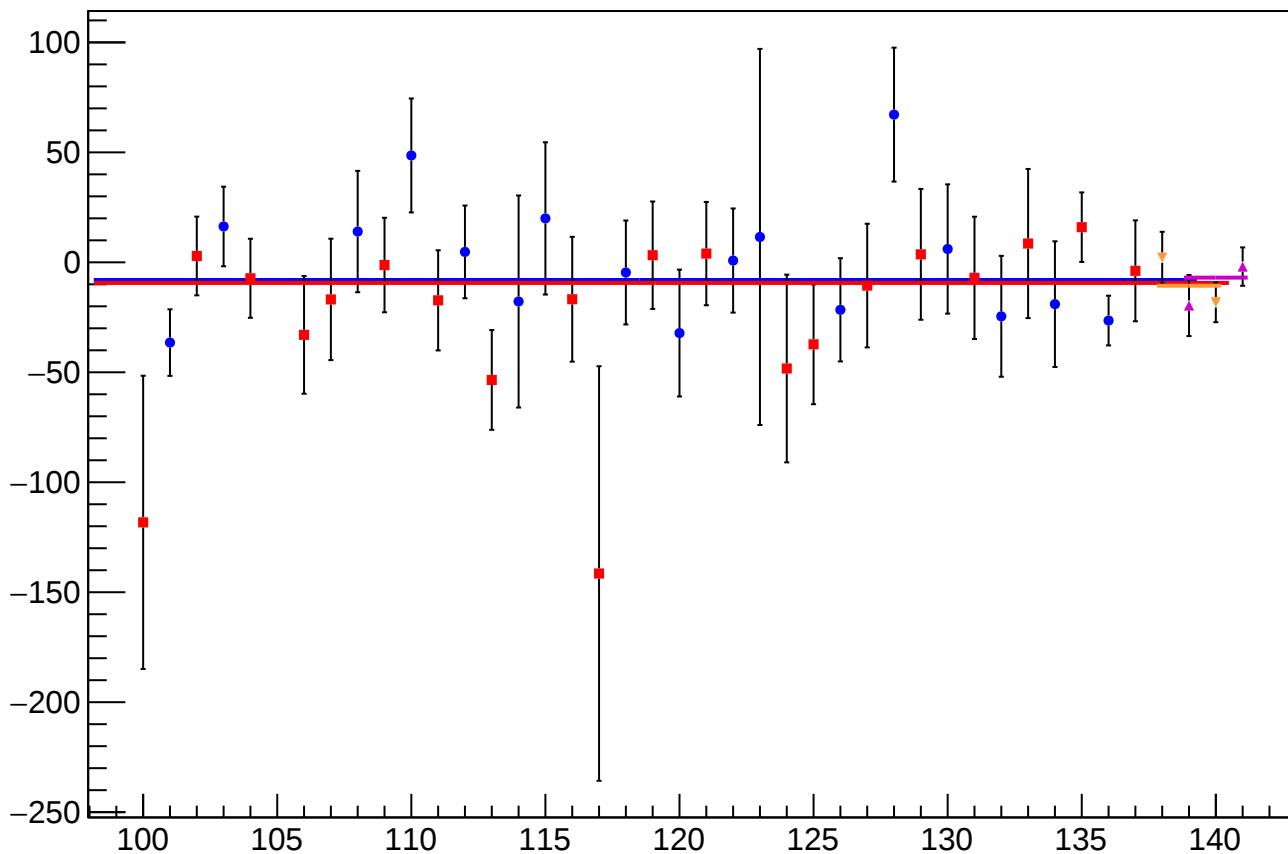
Right Out: 6862.551 $\pm$ 1.865 χ^2/NDF : 704099.3/19

Left In: 5812.635 $\pm$ 3.337 χ^2/NDF : 1012.8/1

6791.896 $\pm$ 1.710 χ^2/NDF : 693626.6/18

6612.694 $\pm$ 1.628 χ^2/NDF : 780543.1/21

diff_bpm4acX_mean vs Slug



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

Left Out: -10.638 $\pm$ 7.160 χ^2 /NDF: 1.9/1

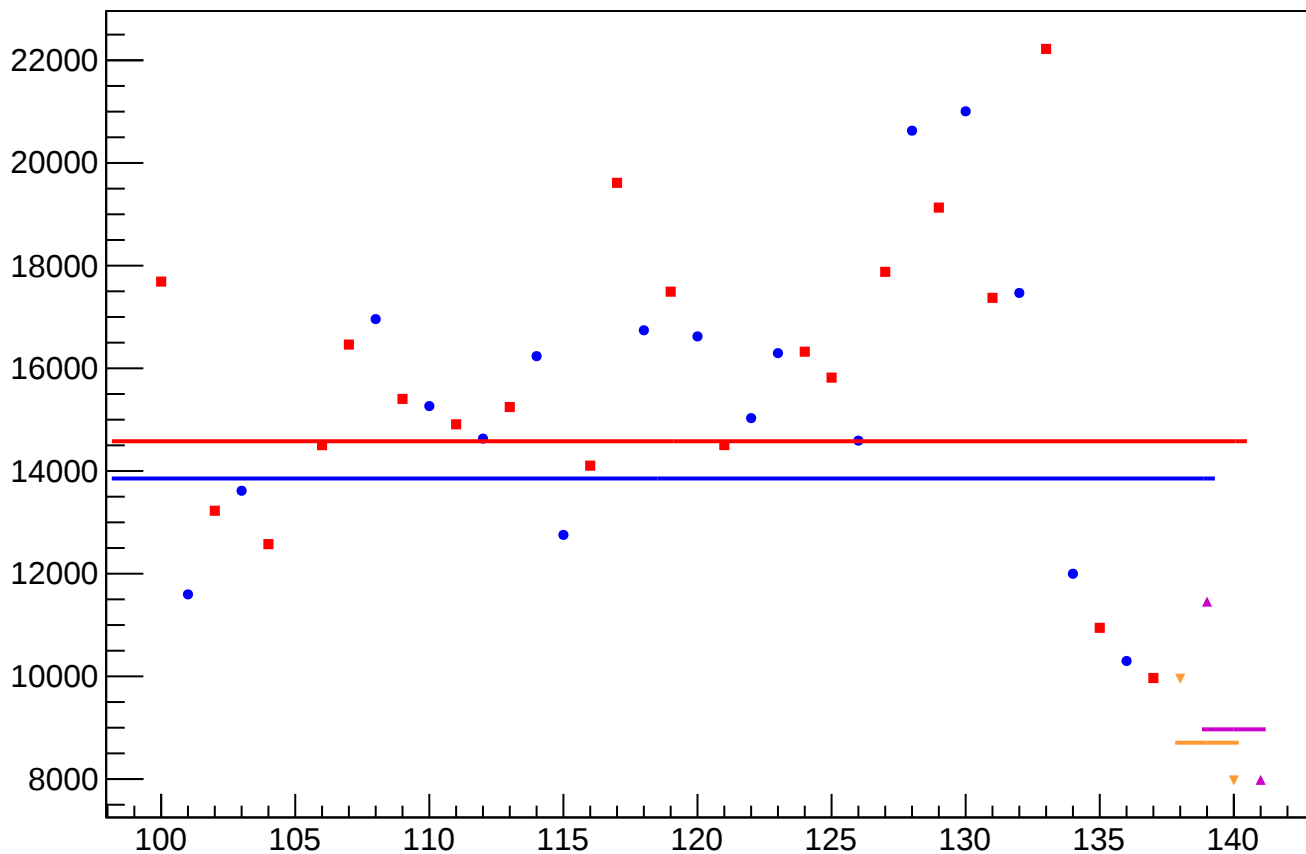
Right Out: -9.368 $\pm$ 5.556 χ^2 /NDF: 15.7/19

Left In: -6.961 $\pm$ 7.391 χ^2 /NDF: 1.2/1

-9.001 $\pm$ 4.360 χ^2 /NDF: 24.5/18

-8.499 $\pm$ 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: 8708.491+/-5.063 χ^2/NDF :35787.9/1

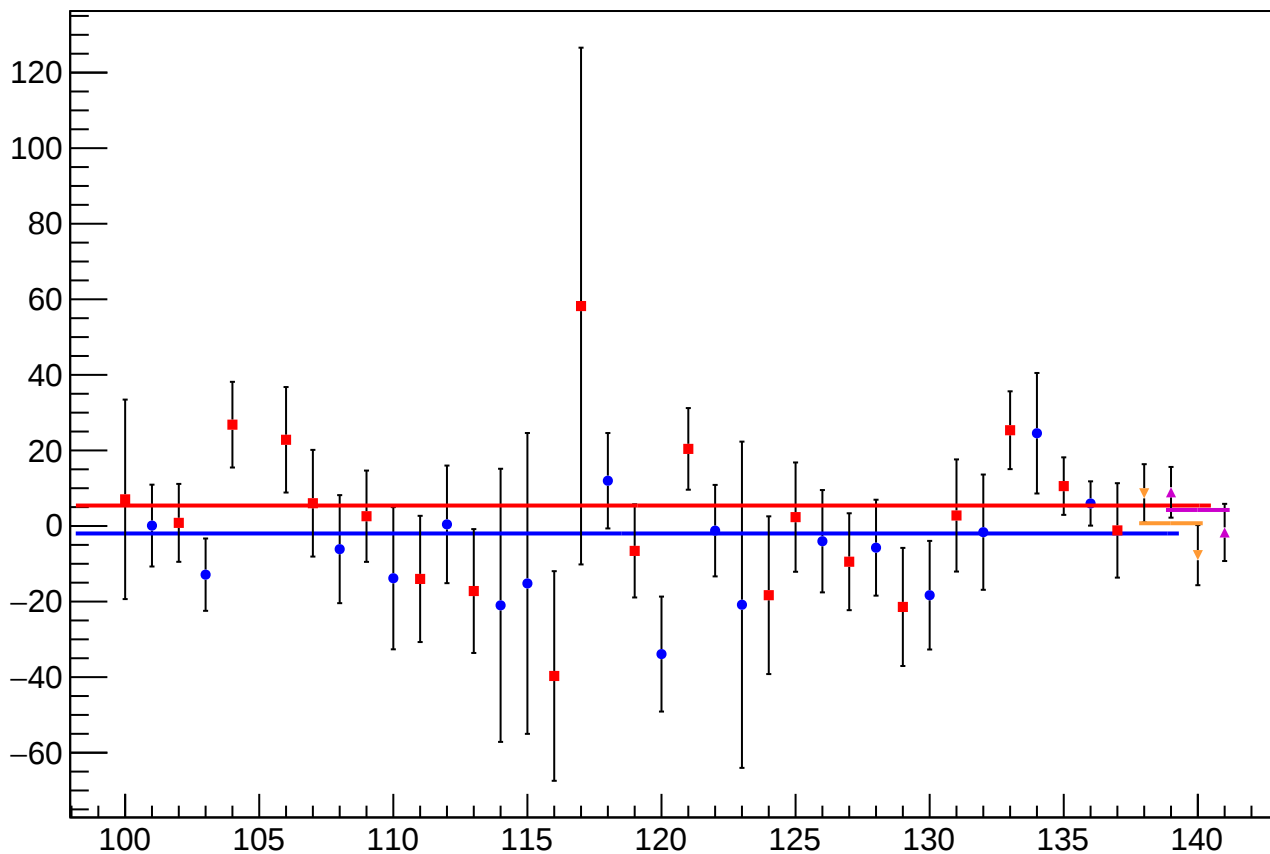
Right Out: 14579.863+/-3.929 χ^2/NDF : 480003.4/19

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

11945.693+/-3.083 χ^2/NDF : 1286659.5/18

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

diff_bpm4acY_mean vs Slug



Right In: -1.978 ± 3.094 $\chi^2/\text{NDF}: 14.0/16$

Left Out: 0.731 ± 5.536 $\chi^2/\text{NDF}: 2.2/1$

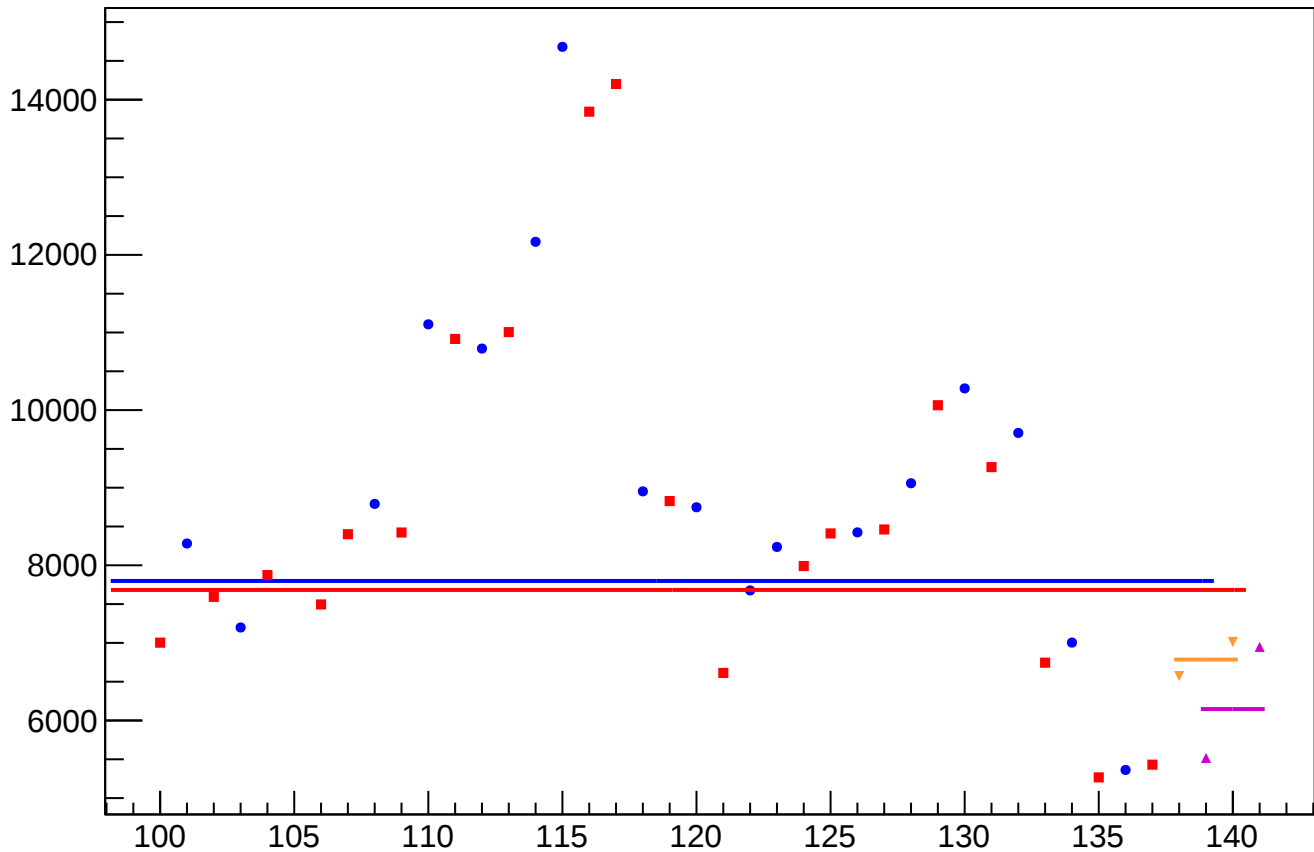
Right Out: 5.417 ± 2.956 $\chi^2/\text{NDF}: 24.9/19$

Left In: 4.242 ± 5.021 $\chi^2/\text{NDF}: 1.1/1$

-1.333 ± 2.701 $\chi^2/\text{NDF}: 16.4/18$

5.115 ± 2.547 $\chi^2/\text{NDF}: 26.0/21$

diff_bpm4acY_rms vs Slug



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

Left Out: 6784.907+/-3.914 χ^2/NDF : 3146.7/1

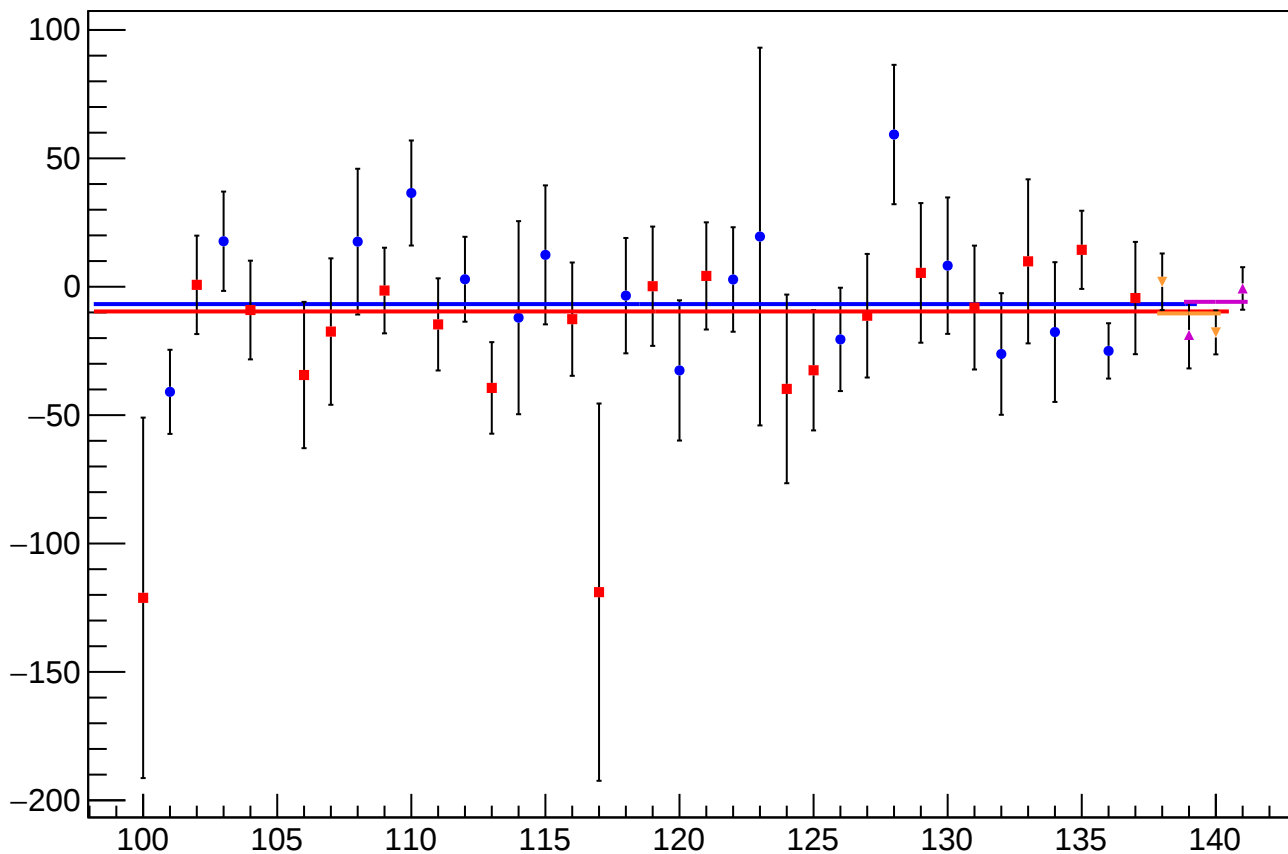
7557.073+/-1.910 χ^2/NDF : 790496.2/18

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

7287.623+/-1.801 χ^2/NDF : 869869.5/21

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

diff_bpm4ecX_mean vs Slug



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

Left Out: -10.385 ± 6.757 χ^2/NDF : 2.0/1

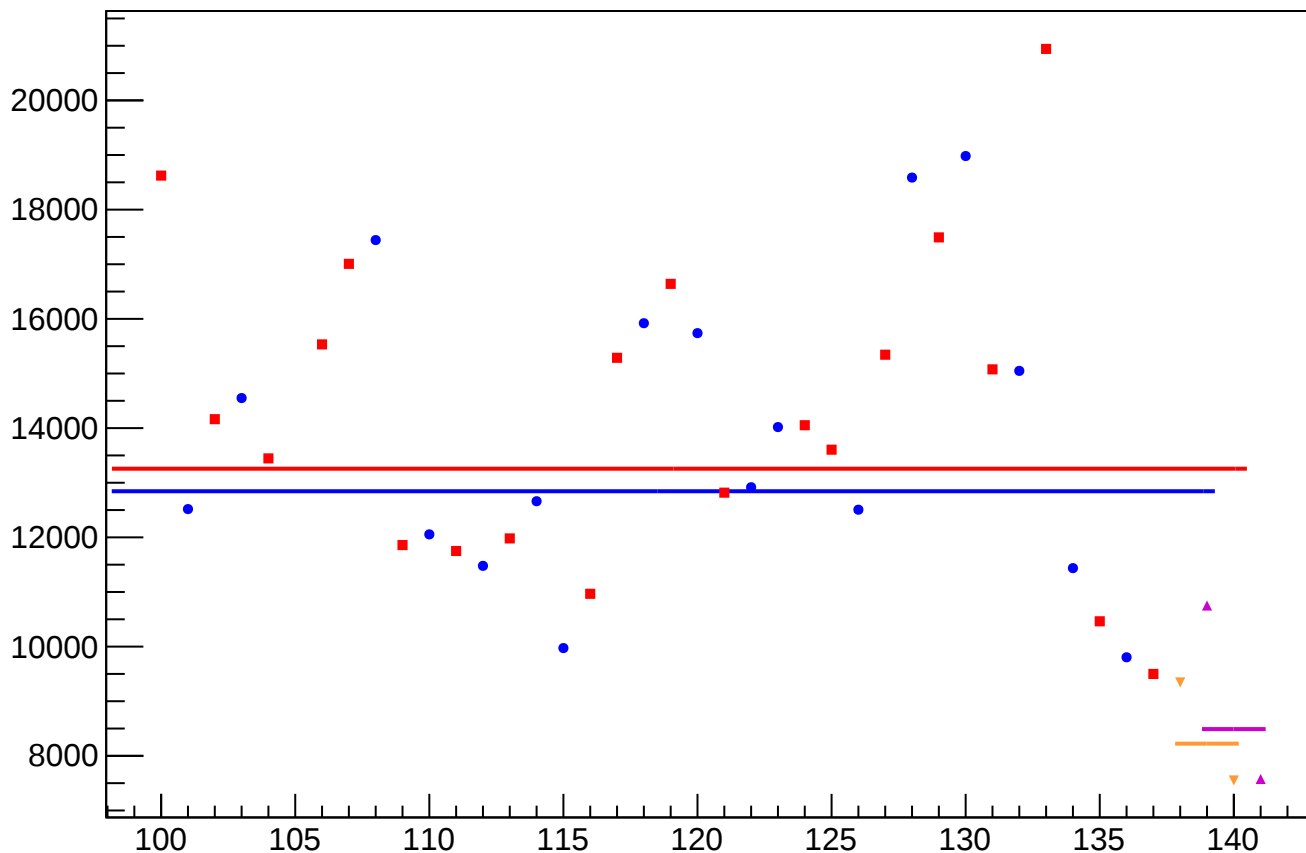
Right Out: -9.622 ± 5.058 χ^2/NDF : 14.5/19

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

-8.071 ± 4.063 χ^2/NDF : 25.9/18

-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: 8223.142+/-4.778 χ^2/NDF :33087.3/1

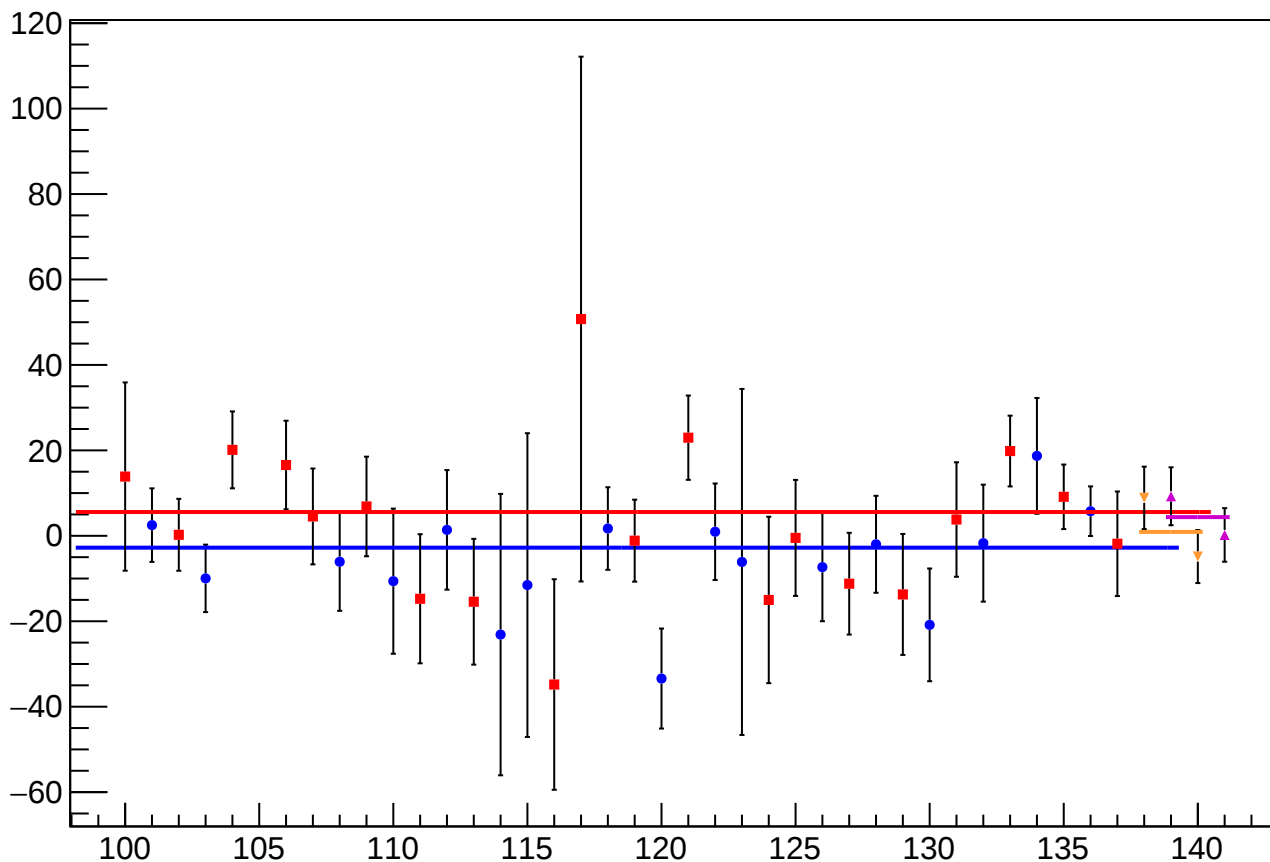
Right Out: 13256.926+/-3.577 χ^2/NDF : 487016.8/19

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

11173.615+/-2.873 χ^2/NDF : 1177603.5/18

11619.008+/-2.898 χ^2/NDF : 1181837.6/21

diff_bpm4ecY_mean vs Slug



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

Left Out: 0.913 ± 4.731 χ^2/NDF : 2.1/1

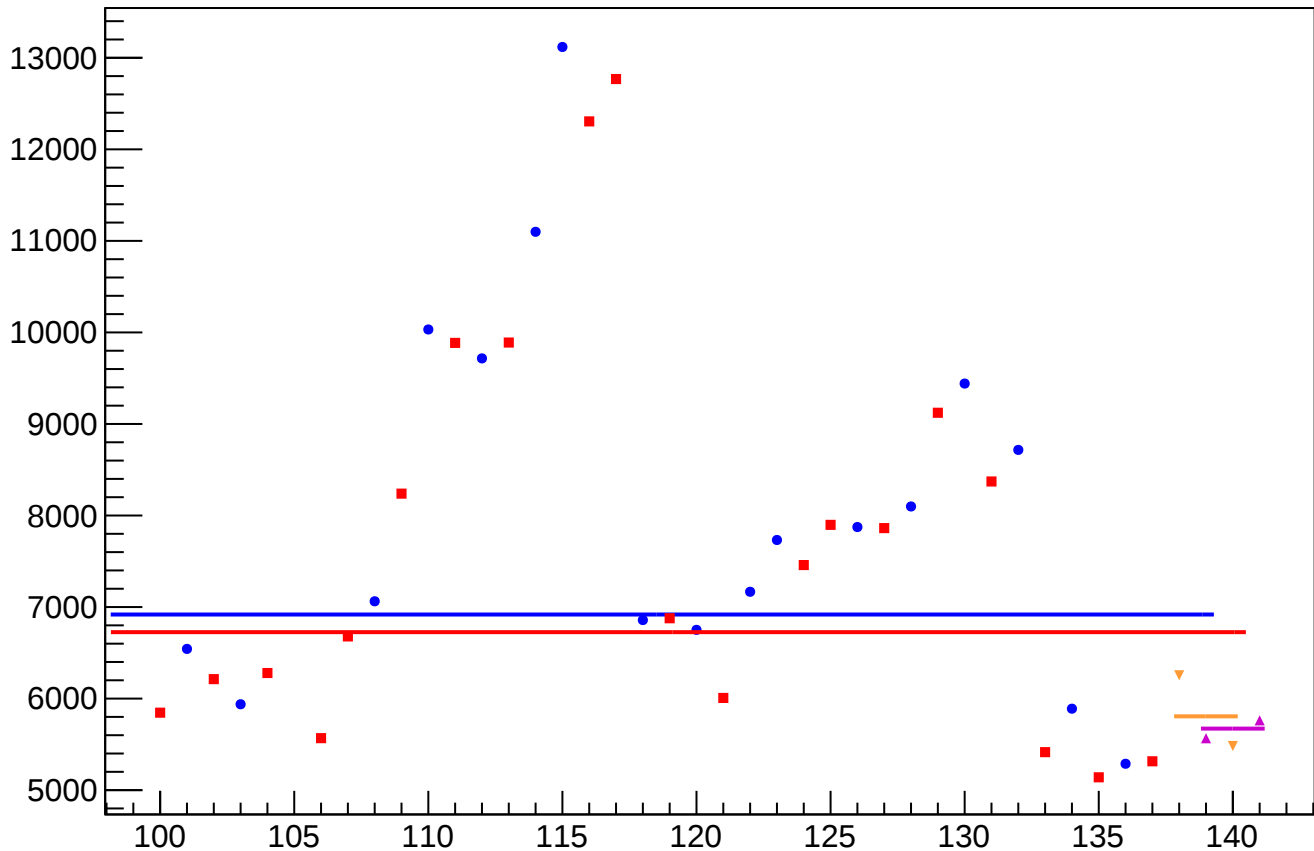
Right Out: 5.571 ± 2.585 χ^2/NDF : 23.7/19

Left In: 4.379 ± 4.605 χ^2/NDF : 1.0/1

-1.852 ± 2.366 χ^2/NDF : 18.4/18

5.285 ± 2.254 χ^2/NDF : 24.7/21

diff_bpm4ecY_rms vs Slug



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

Left Out: 5806.135+/-3.345 χ^2/NDF : 12980.4/1

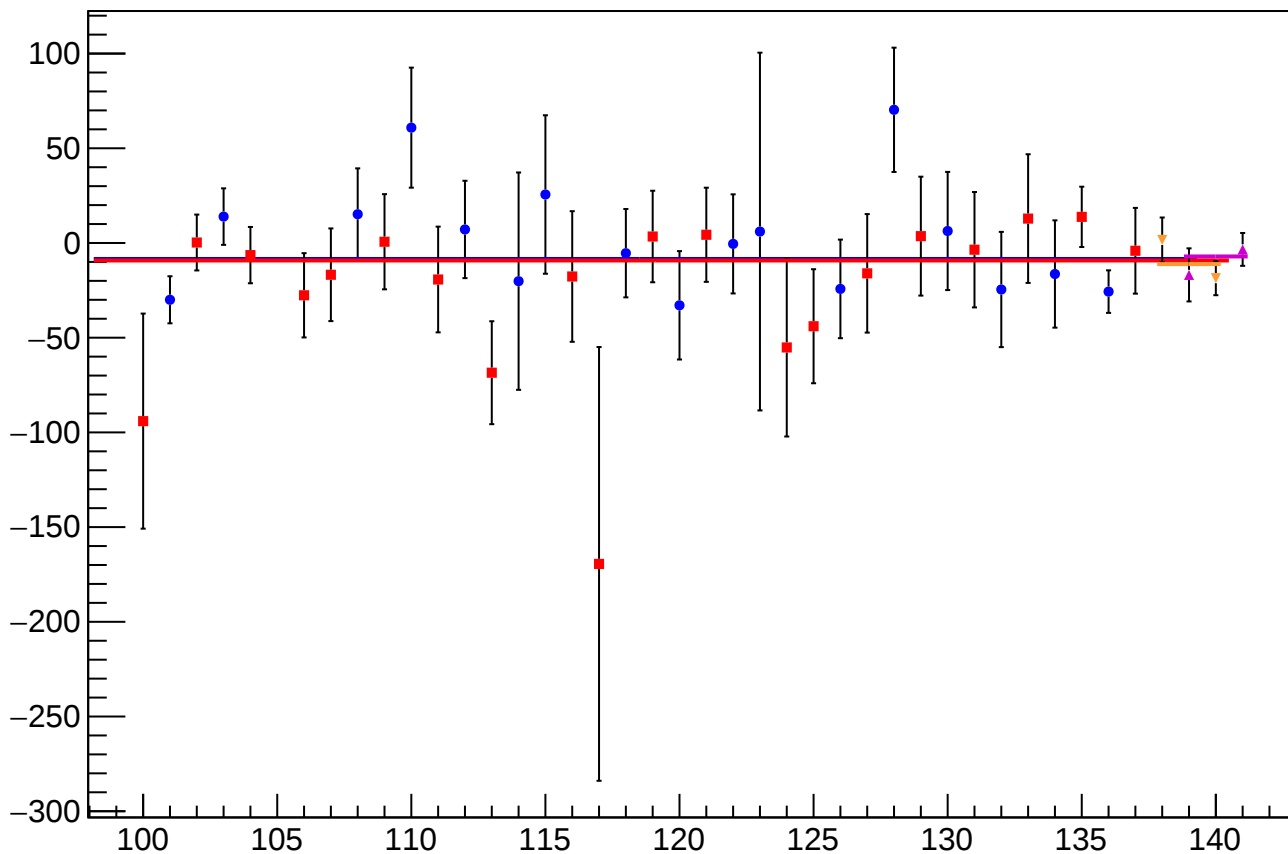
Right Out: 6725.745+/-1.828 χ^2/NDF : 675399.9/19

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

6640.320+/-1.673 χ^2/NDF : 682948.6/18

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

diff_bpm1X_mean vs Slug



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

Left Out: -11.156+/-7.167 χ^2/NDF : 1.8/1

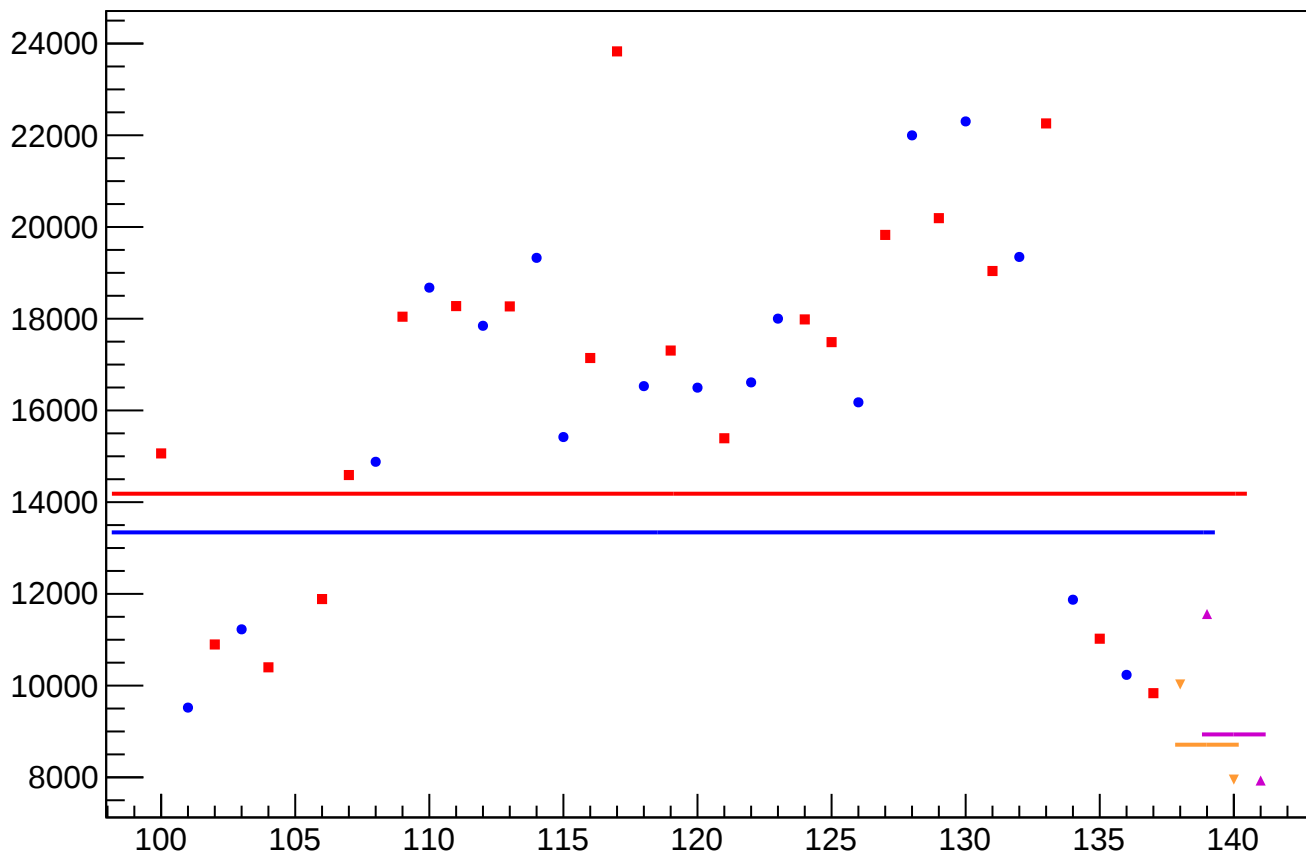
Right Out: -9.224+/-5.502 χ^2/NDF : 16.2/19

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

-9.427+/-4.309 χ^2/NDF : 23.9/18

-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: 8711.428+/-5.068 χ^2/NDF : 38926.3/1

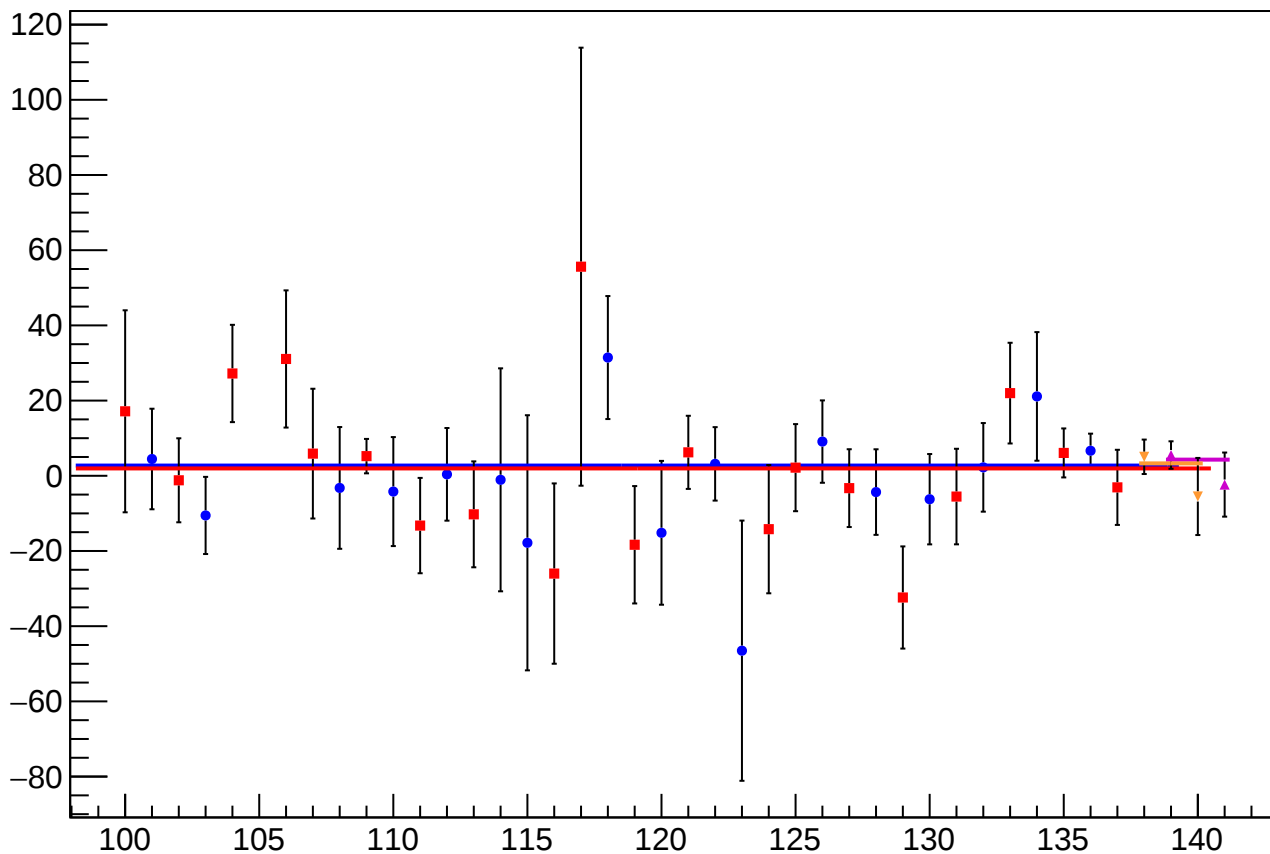
Right Out: 14184.146+/-3.891 χ^2/NDF : 946010.4/19

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

11667.200+/-3.047 χ^2/NDF : 1616349.3/18

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: 3.295 ± 4.182 χ^2/NDF : 0.9/1

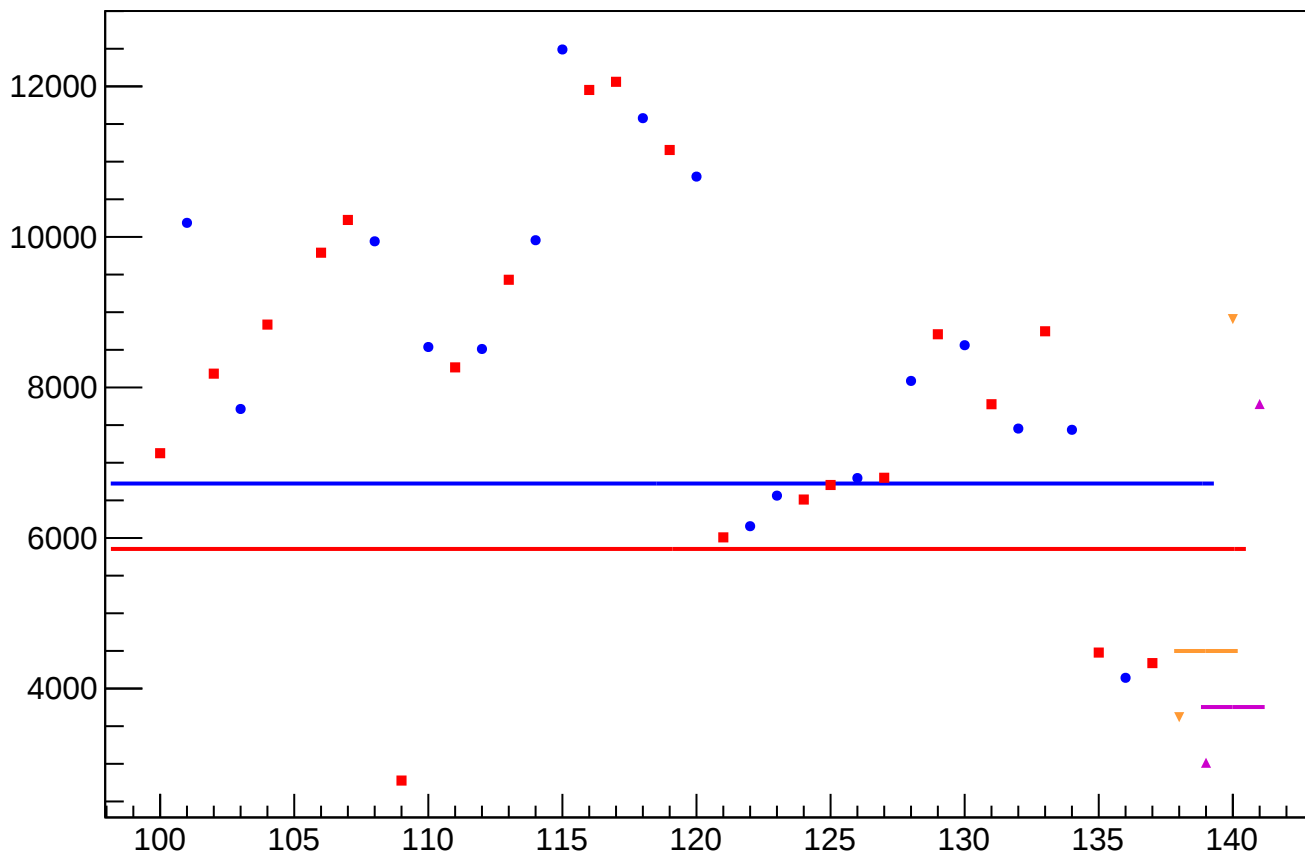
Right Out: 1.955 ± 2.437 χ^2/NDF : 24.4/19

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

2.892 ± 2.299 χ^2/NDF : 12.5/18

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: 4498.974+/-2.957 χ^2/NDF : 443584.1/1

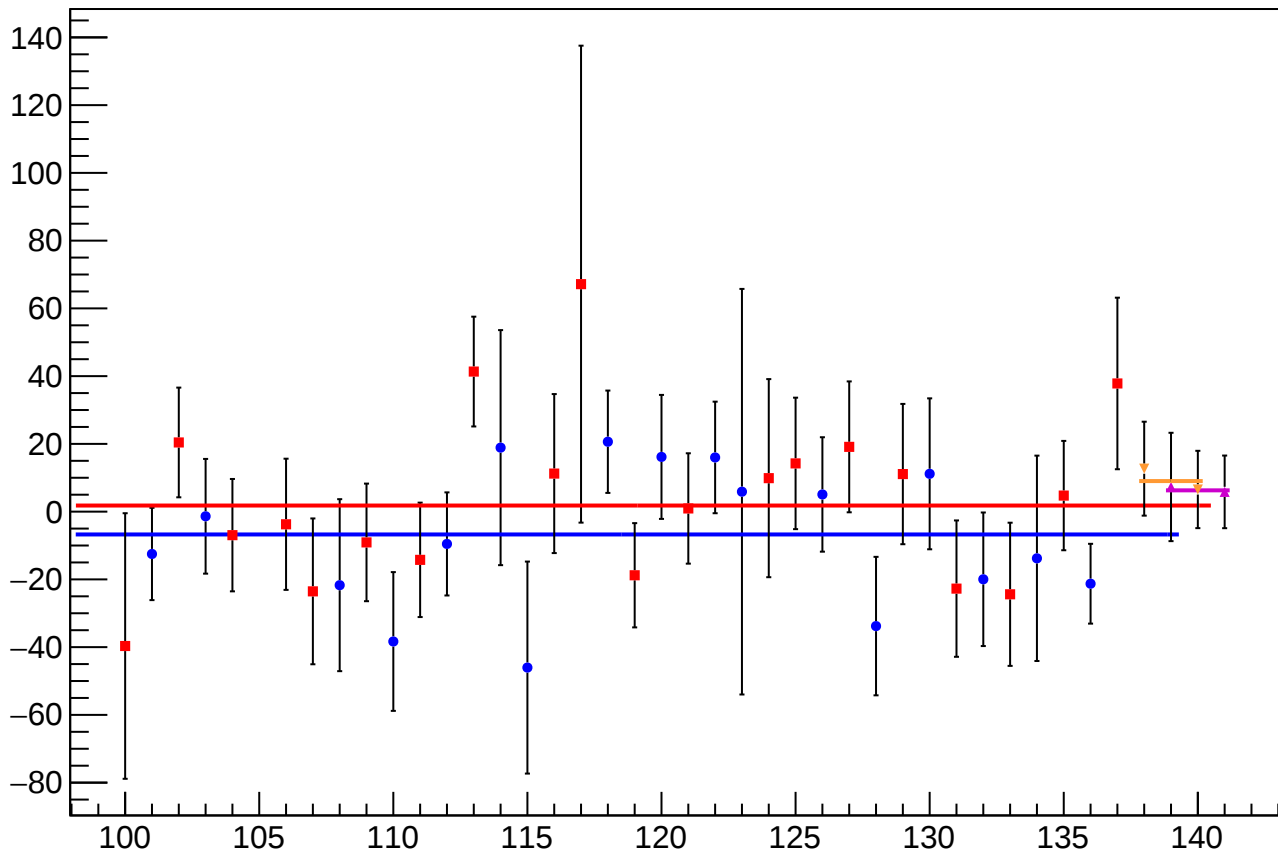
Right Out: 5854.708+/-1.723 χ^2/NDF : 2299964.9/19

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

6051.419+/-1.626 χ^2/NDF : 2230731.9/18

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: 9.023+/-8.811 χ^2/NDF : 0.1/1

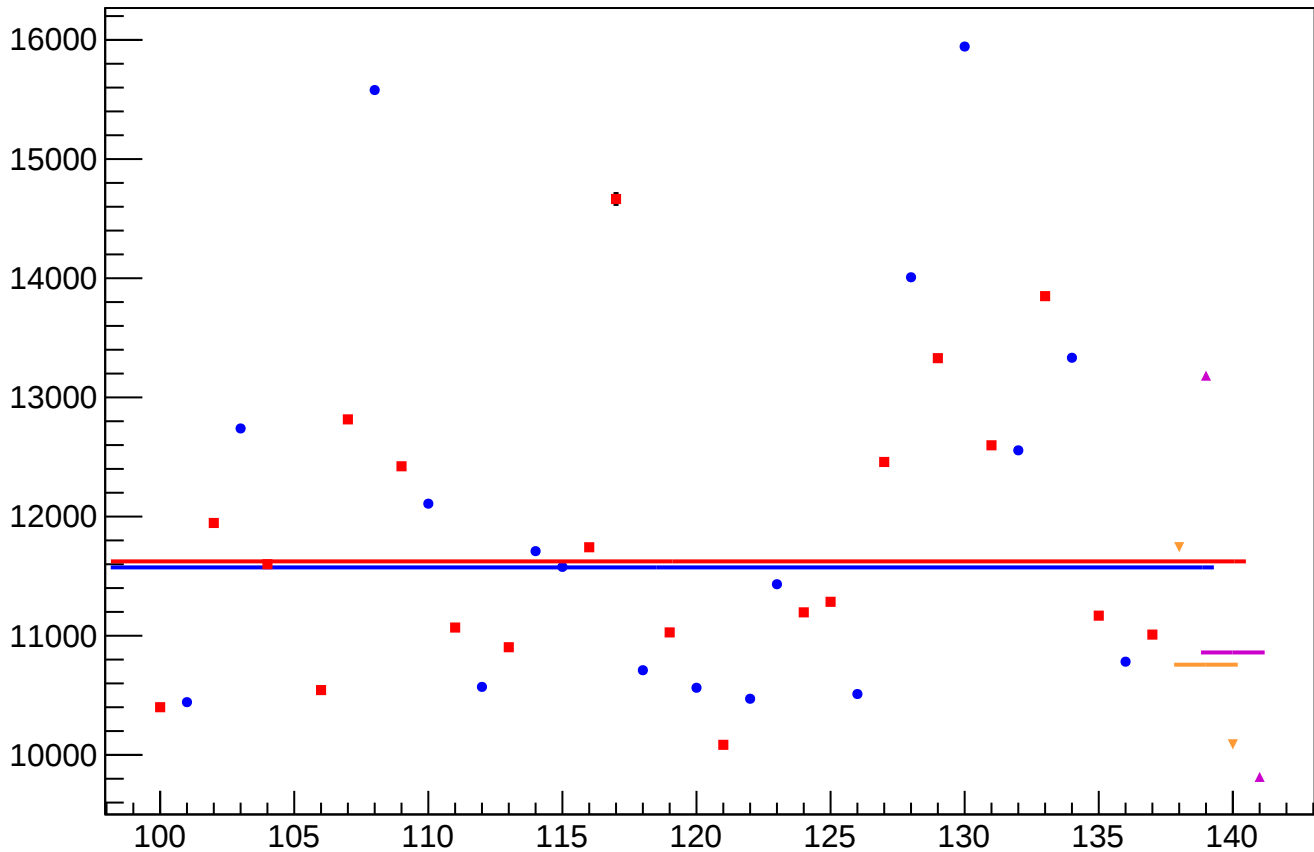
Right Out: 1.802+/-4.364 χ^2/NDF : 20.8/19

Left In: 6.285+/-8.905 χ^2/NDF : 0.0/1

-3.461+/-4.017 χ^2/NDF : 19.5/18

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: 10757.143+/-6.231 χ^2/NDF : 16972.3/1

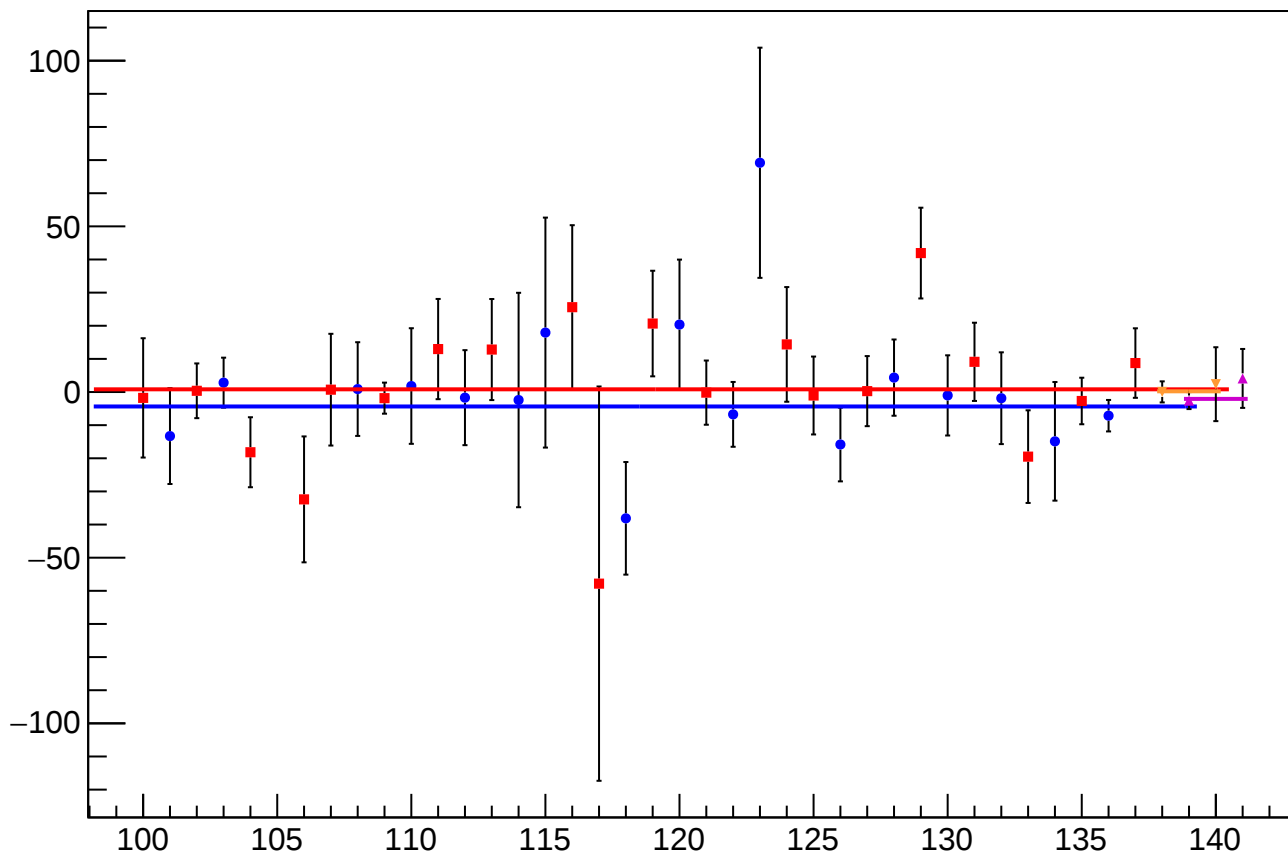
Right Out: 11623.951+/-3.086 χ^2/NDF : 98055.0/19

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

11403.846+/-2.840 χ^2/NDF : 269306.8/18

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

diff_bpm11Y_mean vs Slug



Right In: -4.361 ± 2.776 $\chi^2/\text{NDF}: 14.5/16$

Left Out: 0.216 ± 3.056 $\chi^2/\text{NDF}: 0.0/1$

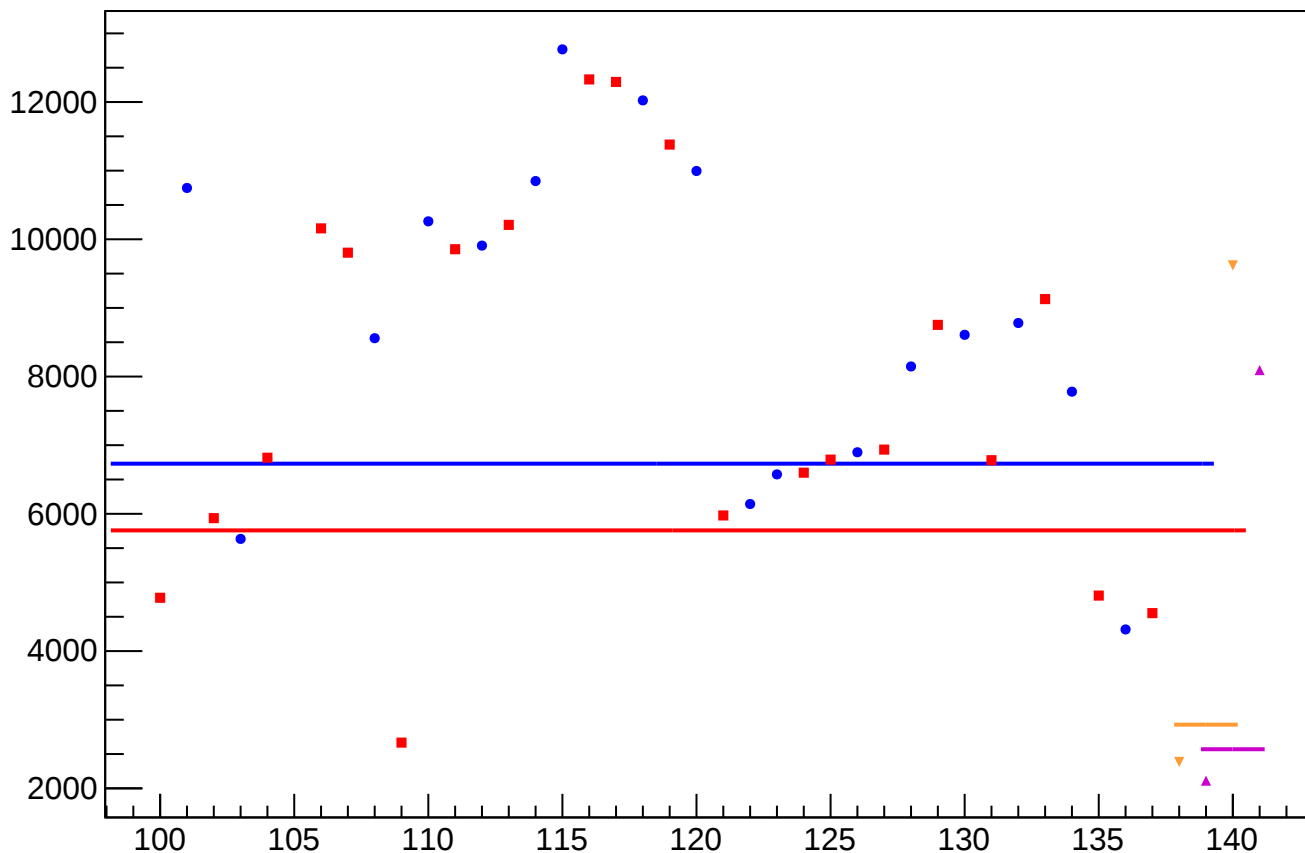
Right Out: 0.816 ± 2.424 $\chi^2/\text{NDF}: 24.5/19$

Left In: -2.074 ± 2.461 $\chi^2/\text{NDF}: 0.5/1$

-2.291 ± 2.055 $\chi^2/\text{NDF}: 15.8/18$

-0.607 ± 1.727 $\chi^2/\text{NDF}: 25.7/21$

diff_bpm11Y_rms vs Slug



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

Left Out: 2928.163+/-2.161 χ^2/NDF : 778644.9/1

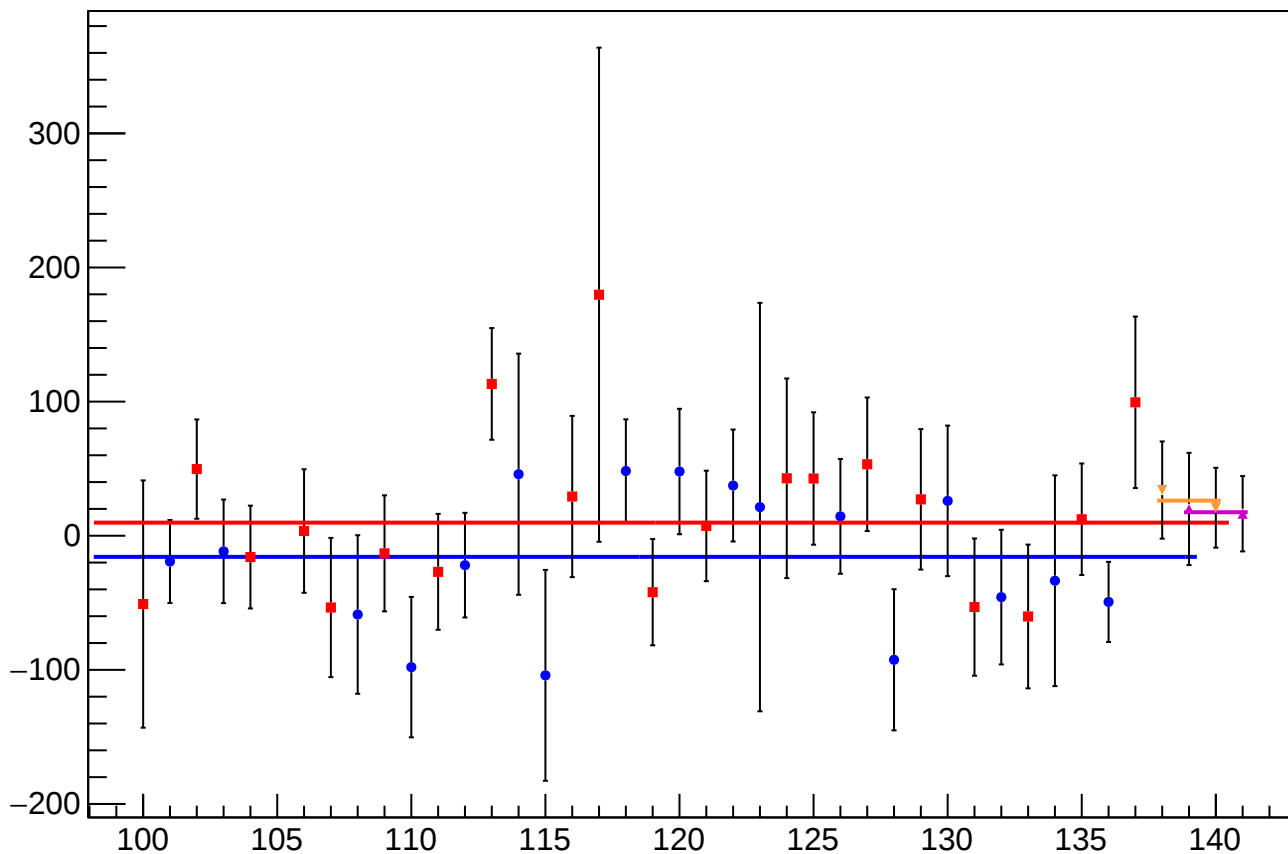
Right Out: 5758.506+/-1.714 χ^2/NDF : 2186395.0/19

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

5011.287+/-1.453 χ^2/NDF : 3920447.5/18

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

diff_bpm12X_mean vs Slug



Right In: -15.751 ± 11.207 χ^2/NDF : 15.9/16

Left Out: 26.186 ± 23.005 χ^2/NDF : 0.1/1

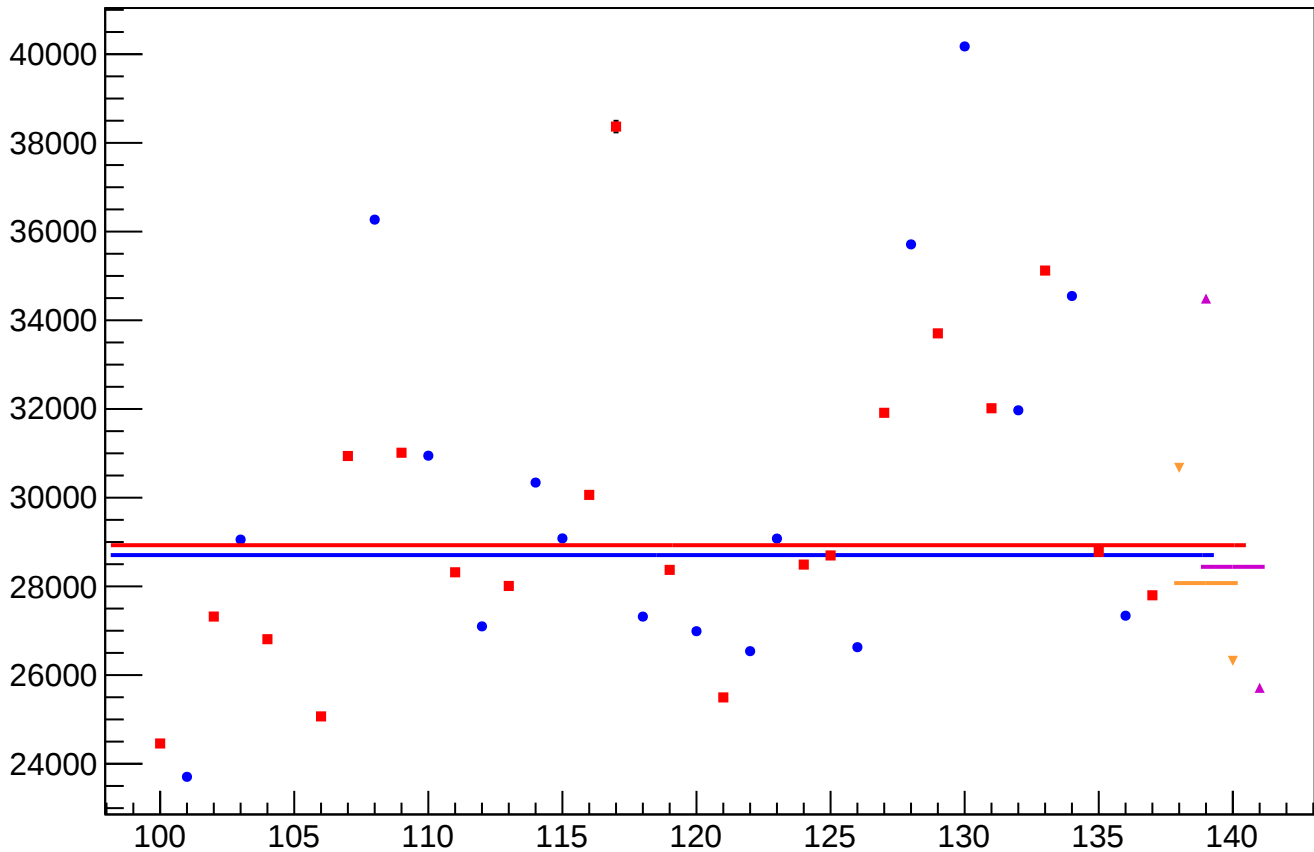
Right Out: 9.773 ± 10.870 χ^2/NDF : 20.1/19

Left In: 17.513 ± 23.320 χ^2/NDF : 0.0/1

-7.707 ± 10.075 χ^2/NDF : 18.7/18

11.155 ± 9.852 χ^2/NDF : 20.2/21

diff_bpm12X_rms vs Slug



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

Left Out: 28074.485+/-16.267 χ^2/NDF :17215.4/1

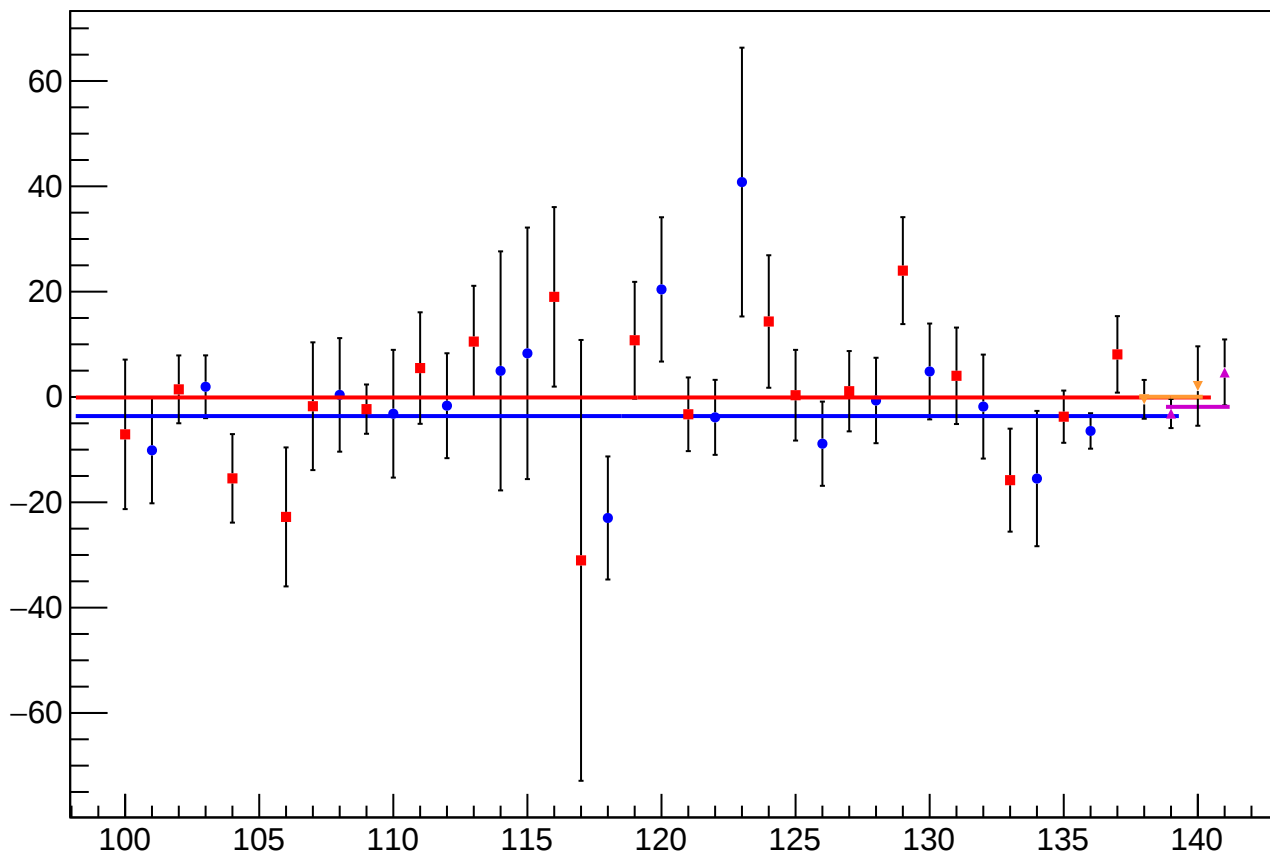
28584.519+/-7.124 χ^2/NDF : 269424.3/18

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

28841.522+/-6.967 χ^2/NDF : 177886.0/21

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

diff_bpm12Y_mean vs Slug



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

Left Out: 0.040 ± 3.310 χ^2/NDF : 0.1/1

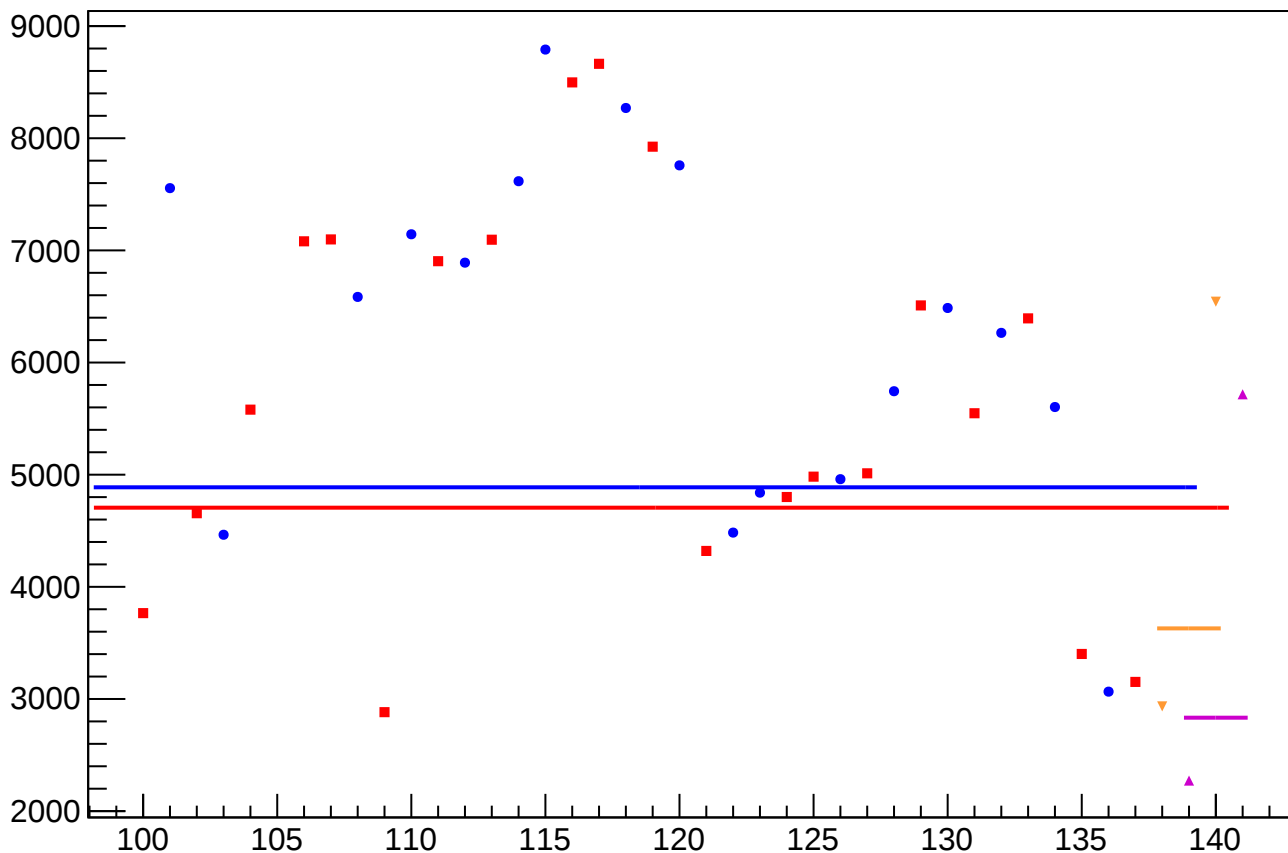
Right Out: -0.090 ± 1.888 χ^2/NDF : 22.6/19

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

-2.641 ± 1.716 χ^2/NDF : 14.7/18

-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: 3629.454+/-2.341 χ^2/NDF :369730.3/1

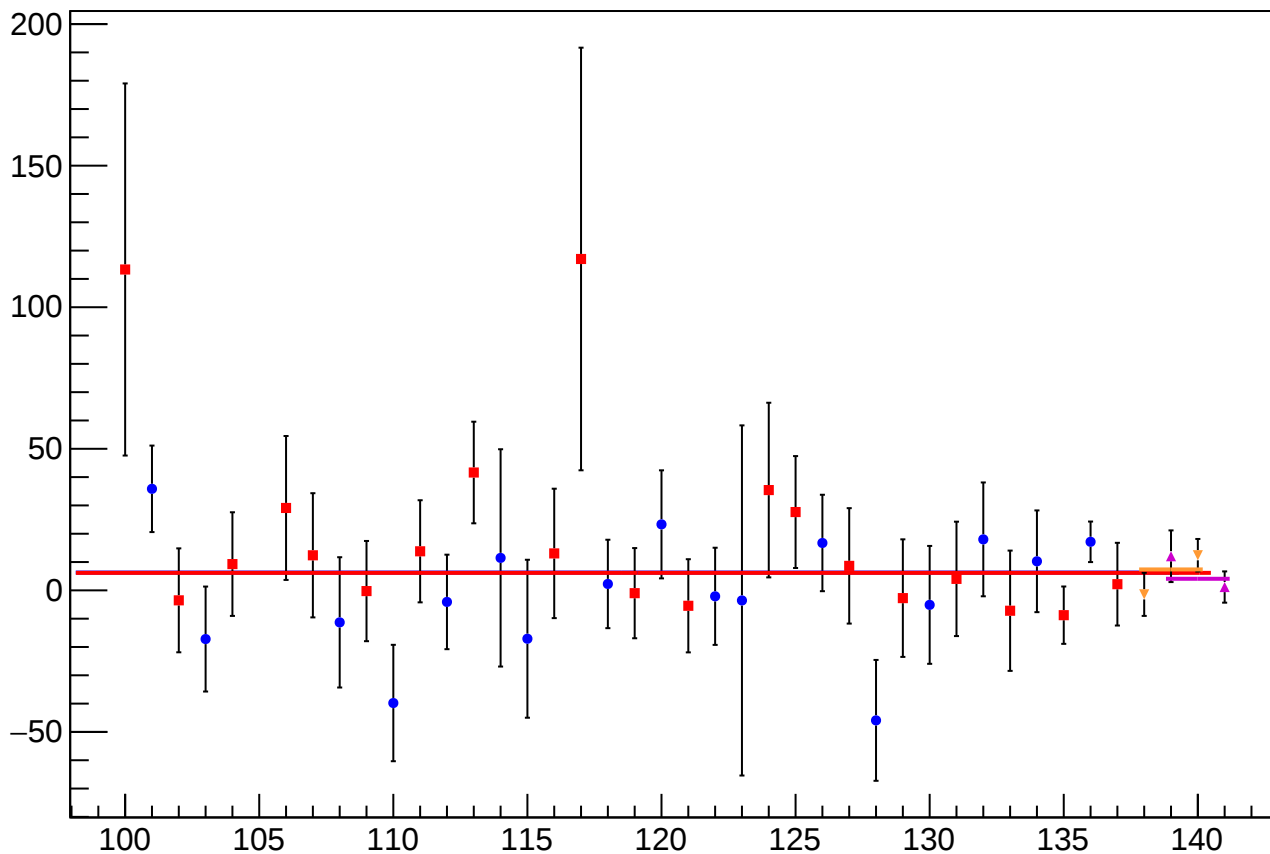
Right Out: 4705.797+/-1.335 χ^2/NDF : 1331043.3/19

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

4549.639+/-1.213 χ^2/NDF : 1990290.7/18

4034.823+/-1.069 χ^2/NDF : 2542595.2/21

diff_bpm16X_mean vs Slug



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

Left Out: 7.388 $\pm$ 4.588 χ^2 /NDF: 2.1/1

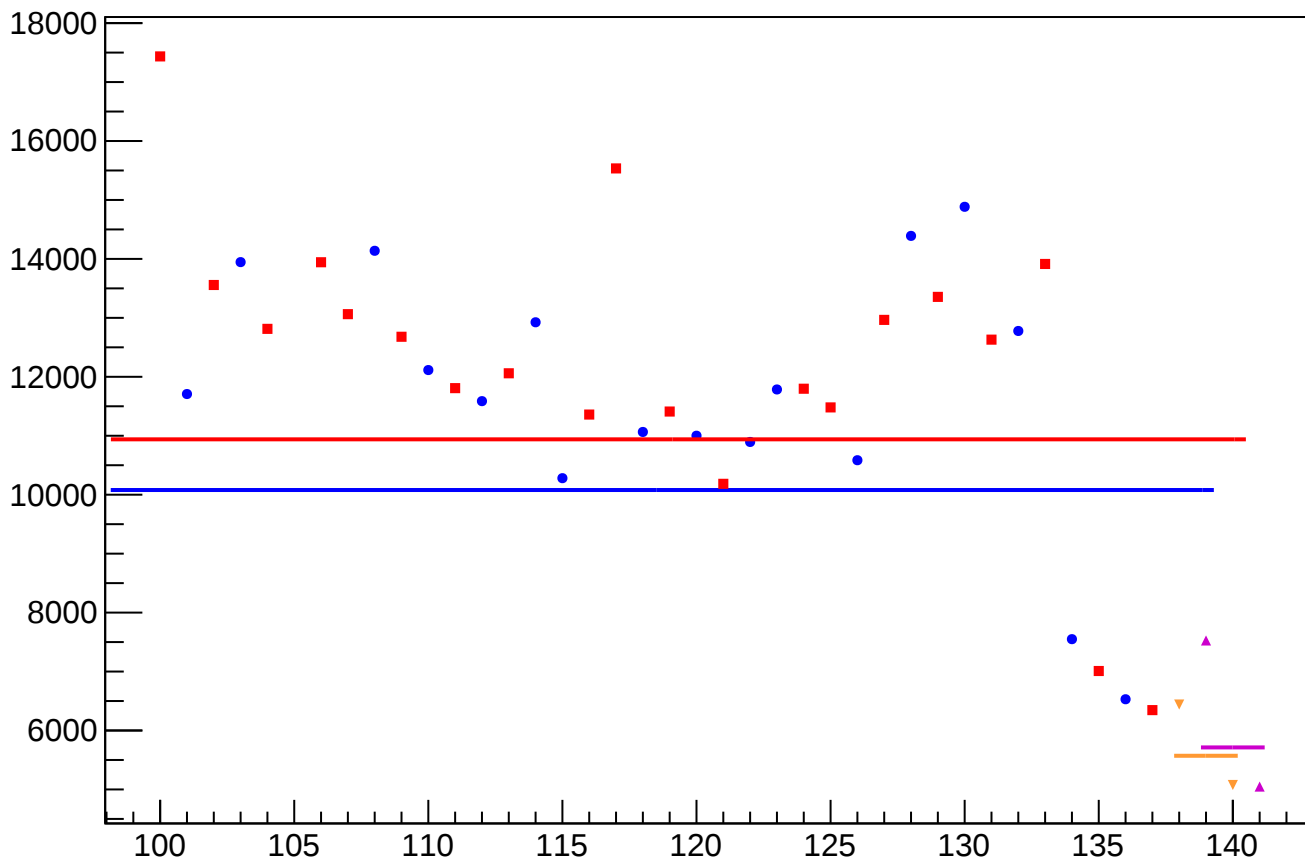
Right Out: 6.182 $\pm$ 4.212 χ^2 /NDF: 16.0/19

Left In: 4.090 $\pm$ 4.723 χ^2 /NDF: 1.0/1

6.769 $\pm$ 3.042 χ^2 /NDF: 24.7/18

5.255 $\pm$ 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: 5571.213+/-3.245 χ^2/NDF : 40922.4/1

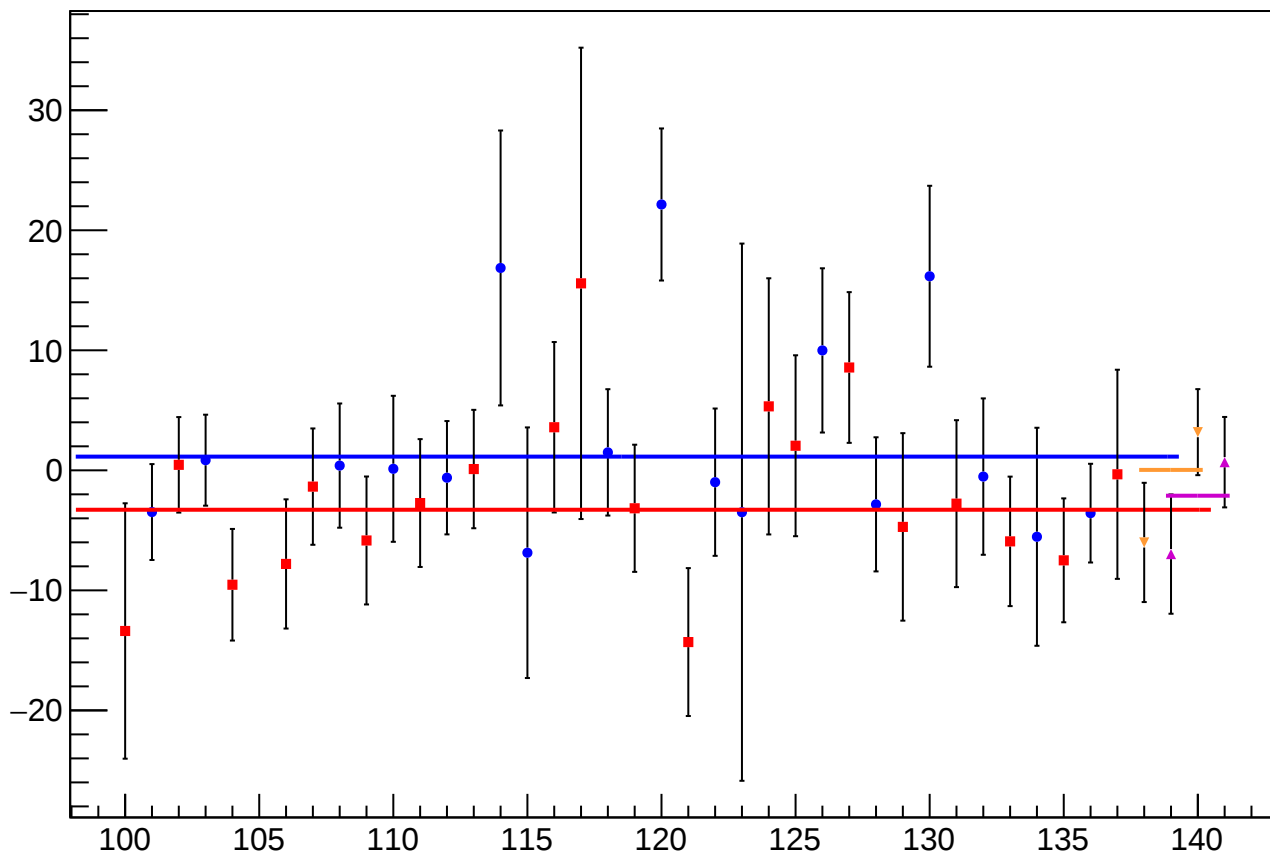
Right Out: 10939.227+/-2.979 χ^2/NDF : 776055.3/19

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

8097.520+/-2.151 χ^2/NDF : 2117516.1/18

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

diff_bpm16Y_mean vs Slug



Right In: 1.142 ± 1.395 χ^2/NDF : 23.2/16

Left Out: 0.036 ± 2.906 χ^2/NDF : 2.3/1

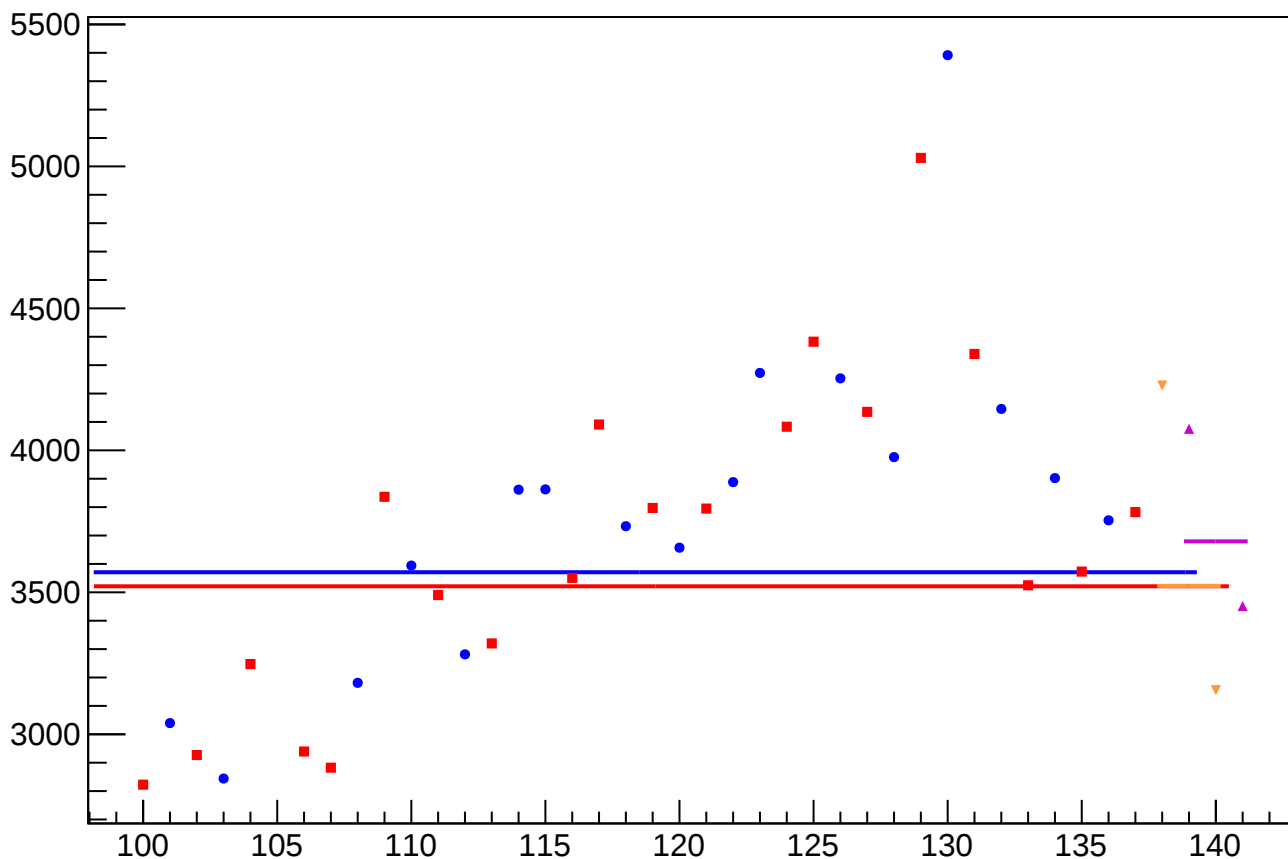
Right Out: -3.284 ± 1.330 χ^2/NDF : 16.0/19

Left In: -2.115 ± 3.002 χ^2/NDF : 1.5/1

0.935 ± 1.258 χ^2/NDF : 25.6/18

-3.092 ± 1.216 χ^2/NDF : 17.6/21

diff_bpm16Y_rms vs Slug



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

Left Out: 3522.687+/-2.055 χ^2/NDF : 61376.9/1

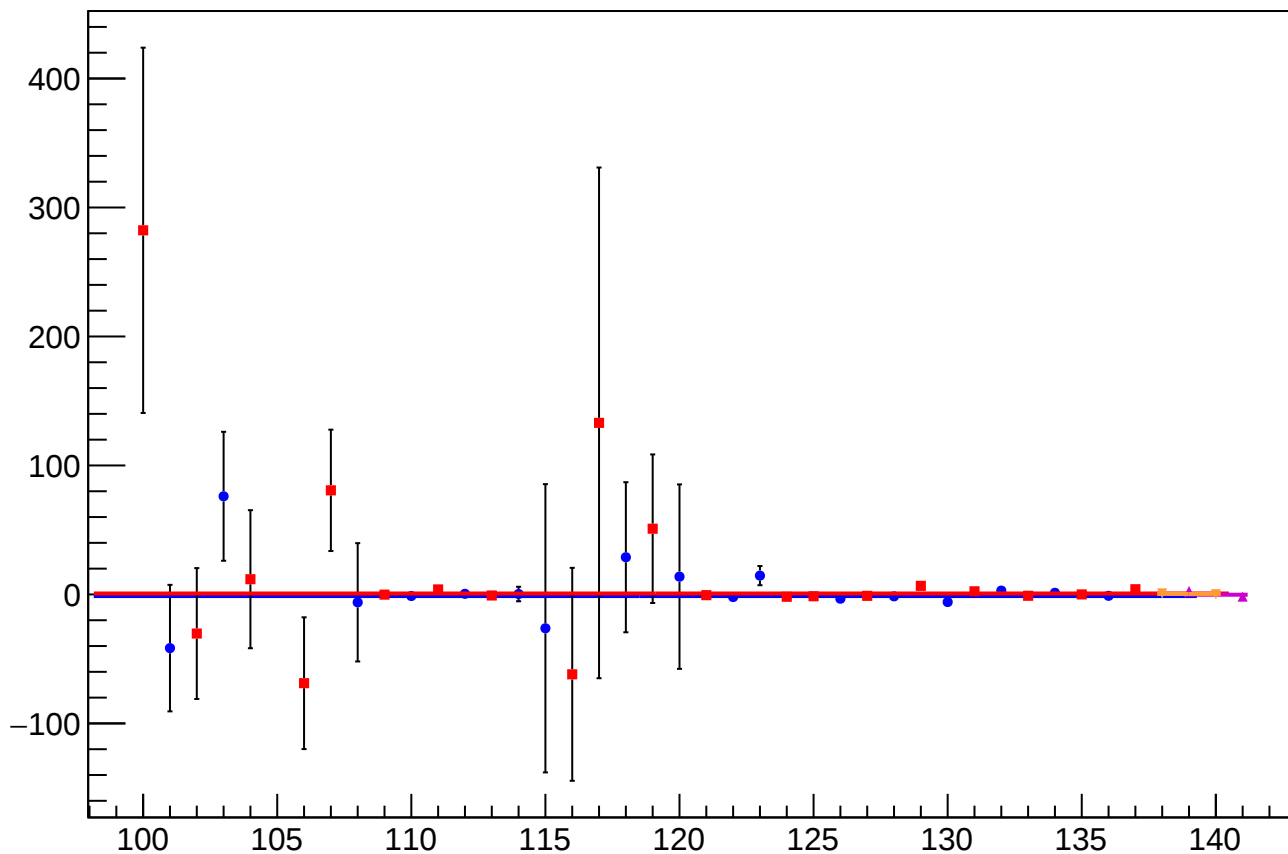
Right Out: 3521.247+/-0.941 χ^2/NDF : 294919.2/19

Left In: 3679.491+/-2.123 χ^2/NDF : 20040.7/1

3561.713+/-0.889 χ^2/NDF : 371388.6/18

3547.211+/-0.860 χ^2/NDF : 319604.7/21

diff_bpm1p02bX_mean vs Slug



Right In: -1.261 ± 0.748 $\chi^2/\text{NDF}: 16.3/16$

Left Out: 0.376 ± 0.875 $\chi^2/\text{NDF}: 0.1/1$

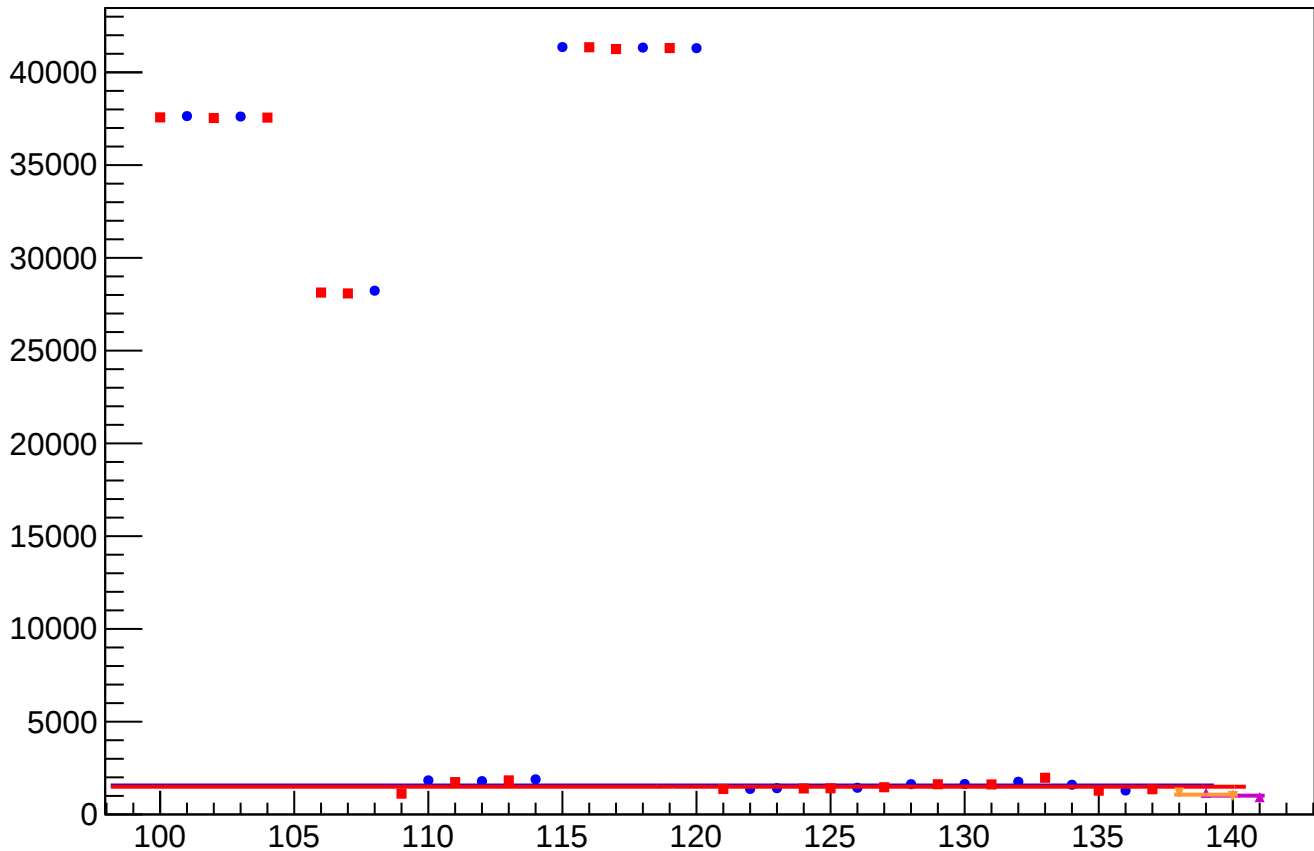
Right Out: 0.735 ± 0.710 $\chi^2/\text{NDF}: 22.5/19$

Left In: -0.212 ± 0.828 $\chi^2/\text{NDF}: 6.2/1$

-0.570 ± 0.569 $\chi^2/\text{NDF}: 18.4/18$

0.334 ± 0.539 $\chi^2/\text{NDF}: 29.4/21$

diff_bpm1p02bX_rms vs Slug



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

1351.478+/-0.402 χ^2/NDF : 5140812.9/18

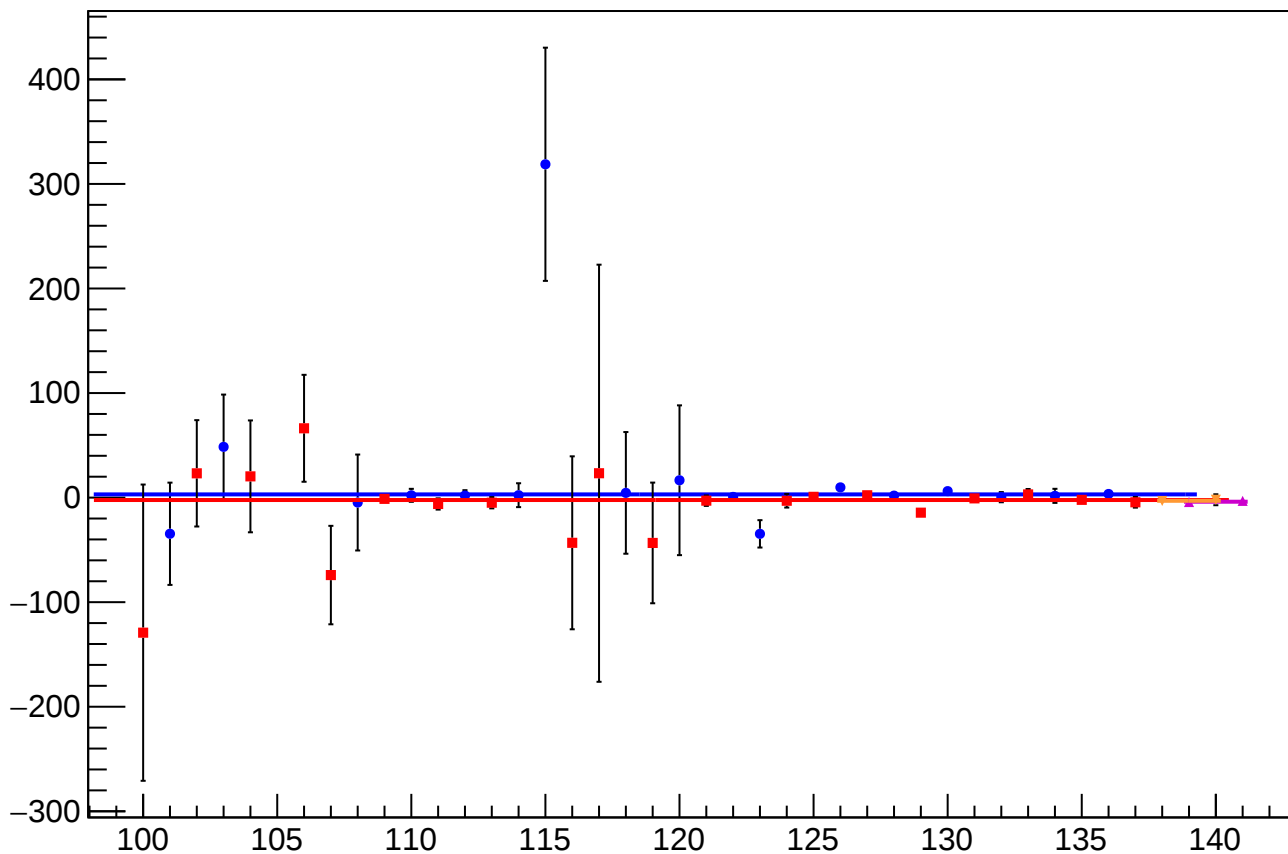
Left Out: 1067.247+/-0.619 χ^2/NDF :22250.0/1

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

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

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: -3.029 ± 2.076 χ^2/NDF : 0.0/1

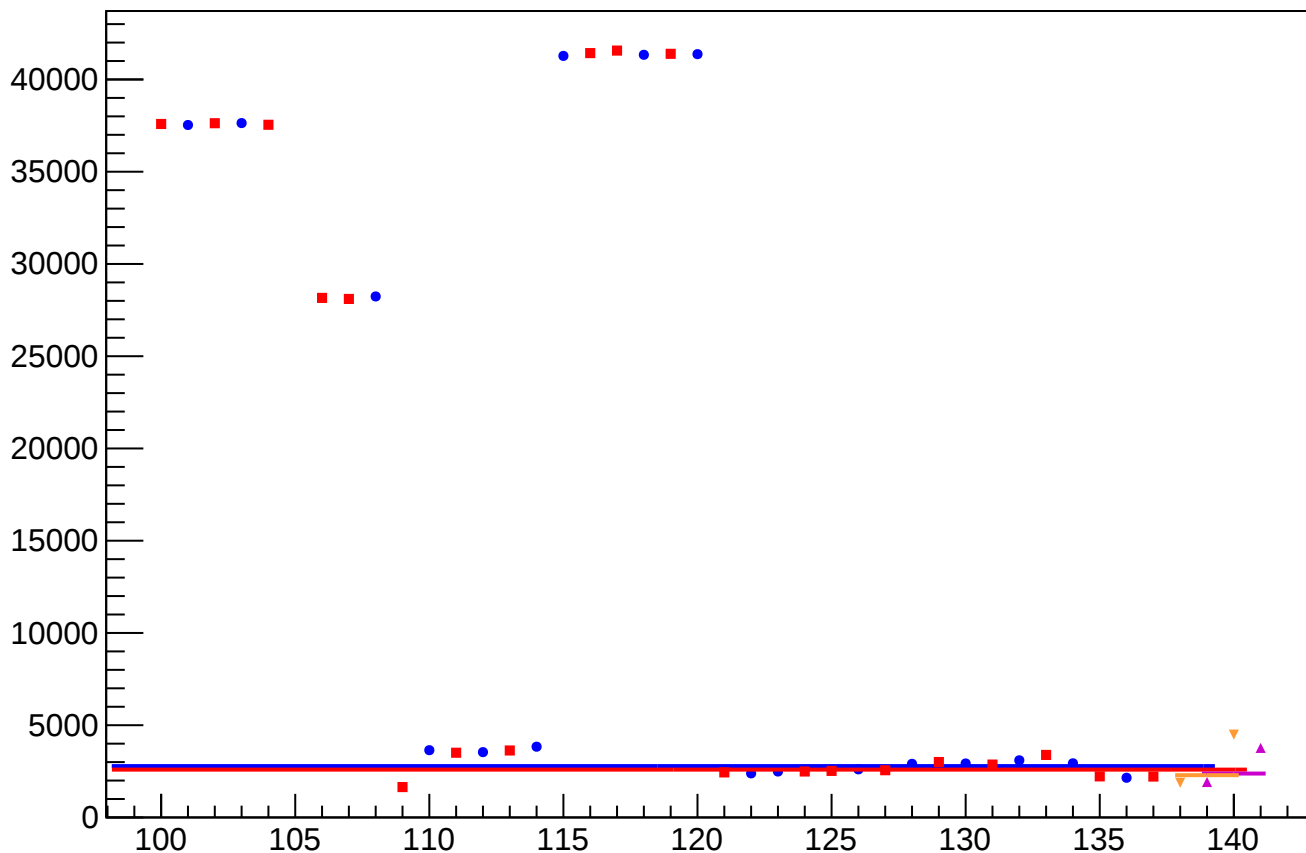
Right Out: -2.305 ± 1.235 χ^2/NDF : 16.9/19

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

1.312 ± 1.116 χ^2/NDF : 28.1/18

-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: 2291.827+/-1.468 χ^2/NDF : 418676.7/1

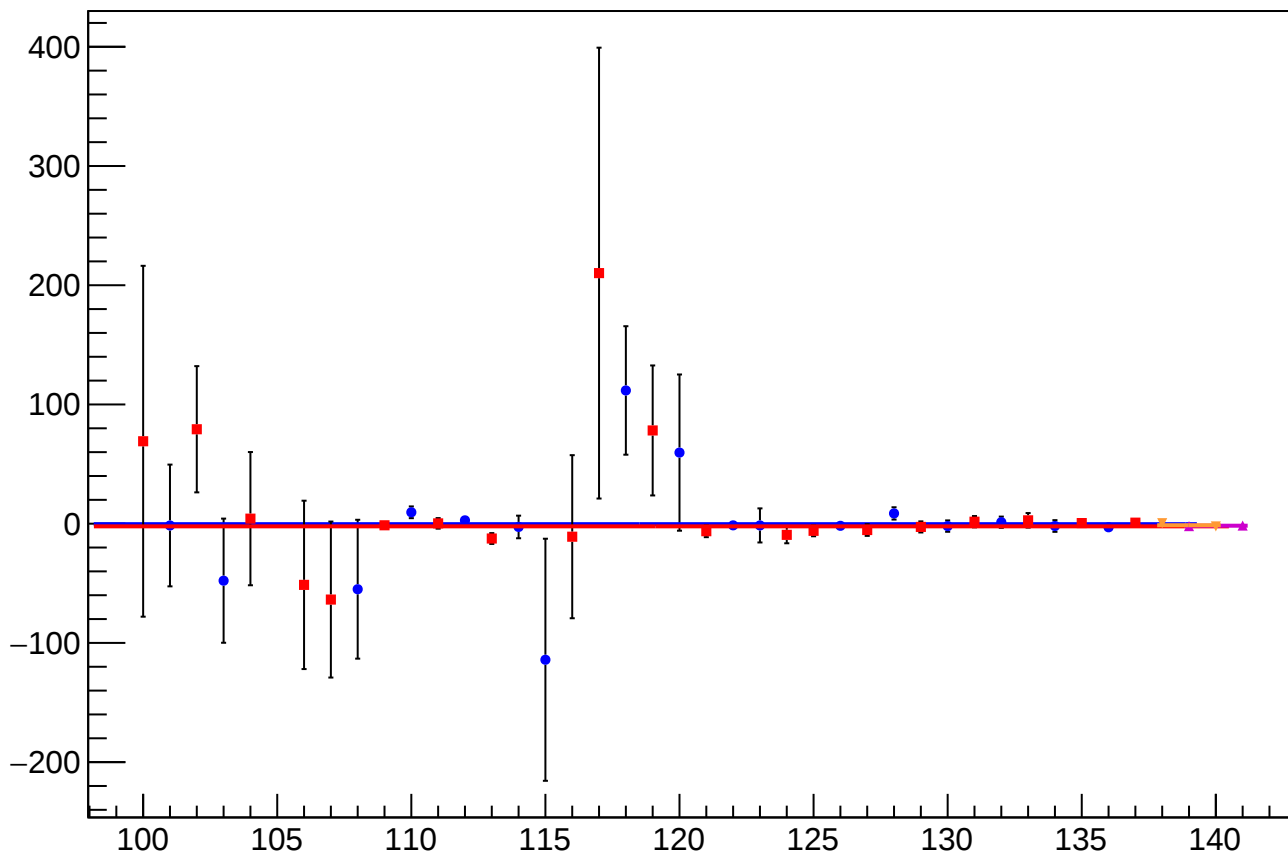
Right Out: 2592.654+/-0.873 χ^2/NDF : 4923077.9/19

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

2641.797+/-0.789 χ^2/NDF : 5076038.2/18

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

diff_bpm1p03aX_mean vs Slug



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

Left Out: -1.291 $\pm$ 1.283 χ^2 /NDF: 1.0/1

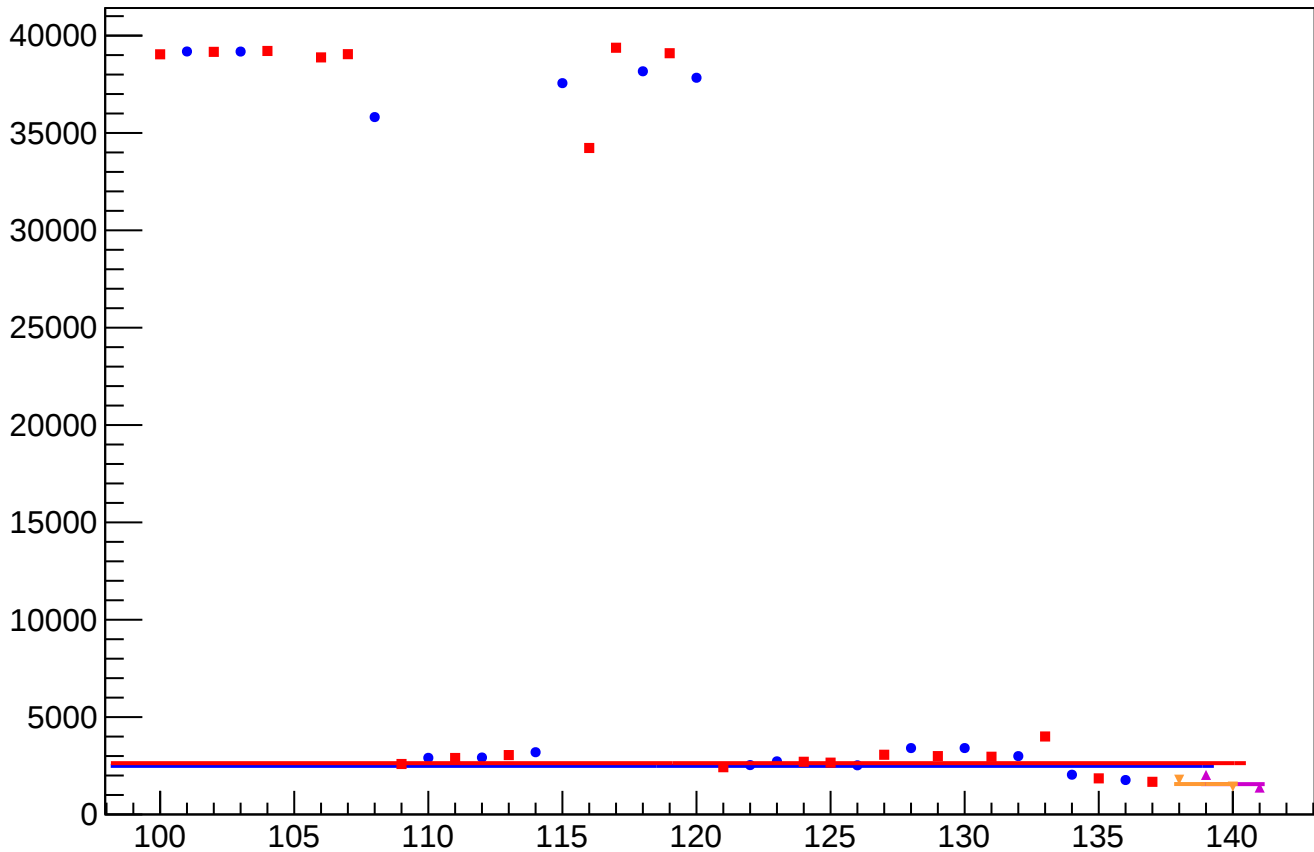
Right Out: -2.235 $\pm$ 1.246 χ^2 /NDF: 18.7/19

Left In: -1.697 $\pm$ 1.285 χ^2 /NDF: 0.0/1

-0.824 $\pm$ 0.883 χ^2 /NDF: 19.6/18

-1.975 $\pm$ 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: 1561.894+/-0.907 χ^2/NDF : 35774.4/1

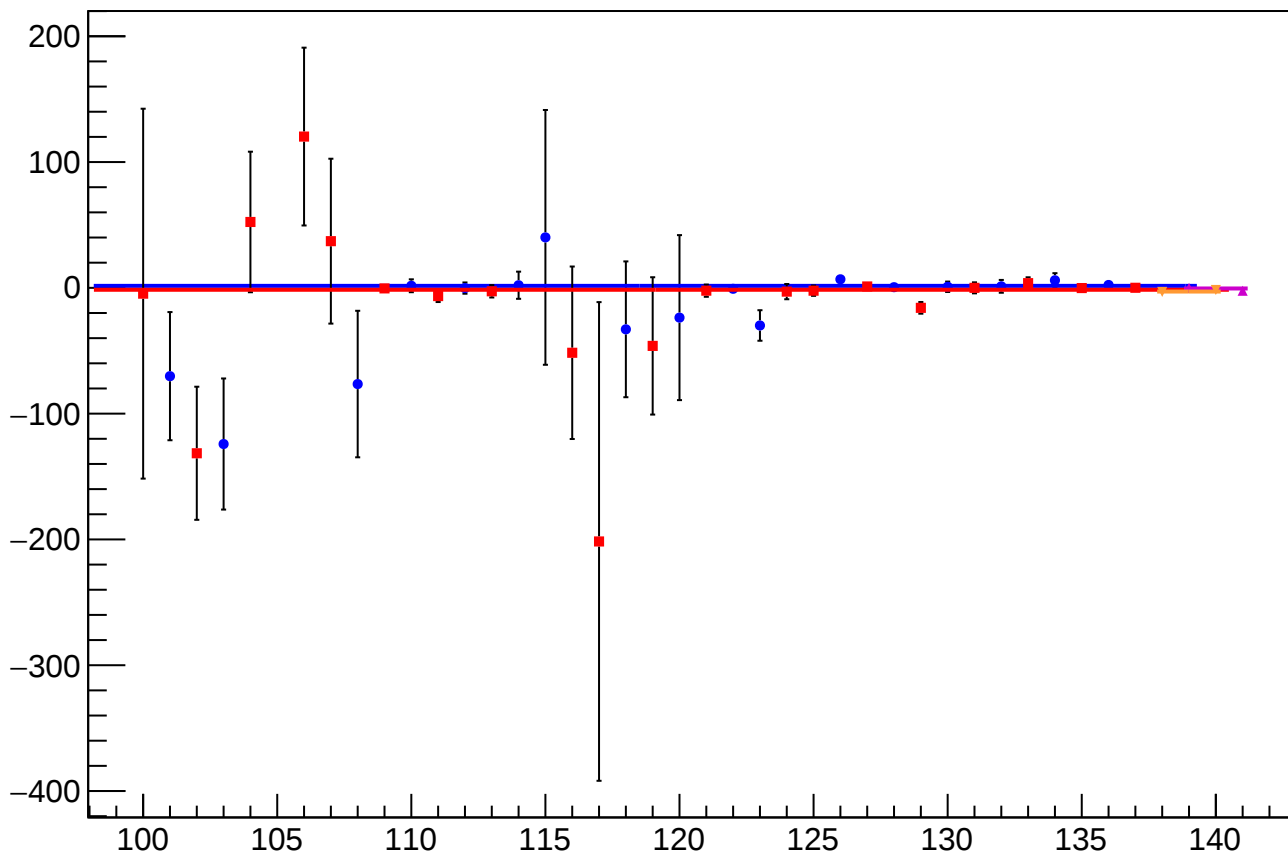
2053.144+/-0.625 χ^2/NDF : 5475218.6/18

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

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

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

diff_bpm1p03aY_mean vs Slug



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

Left Out: -2.940 $\pm$ 1.525 χ^2 /NDF: 0.2/1

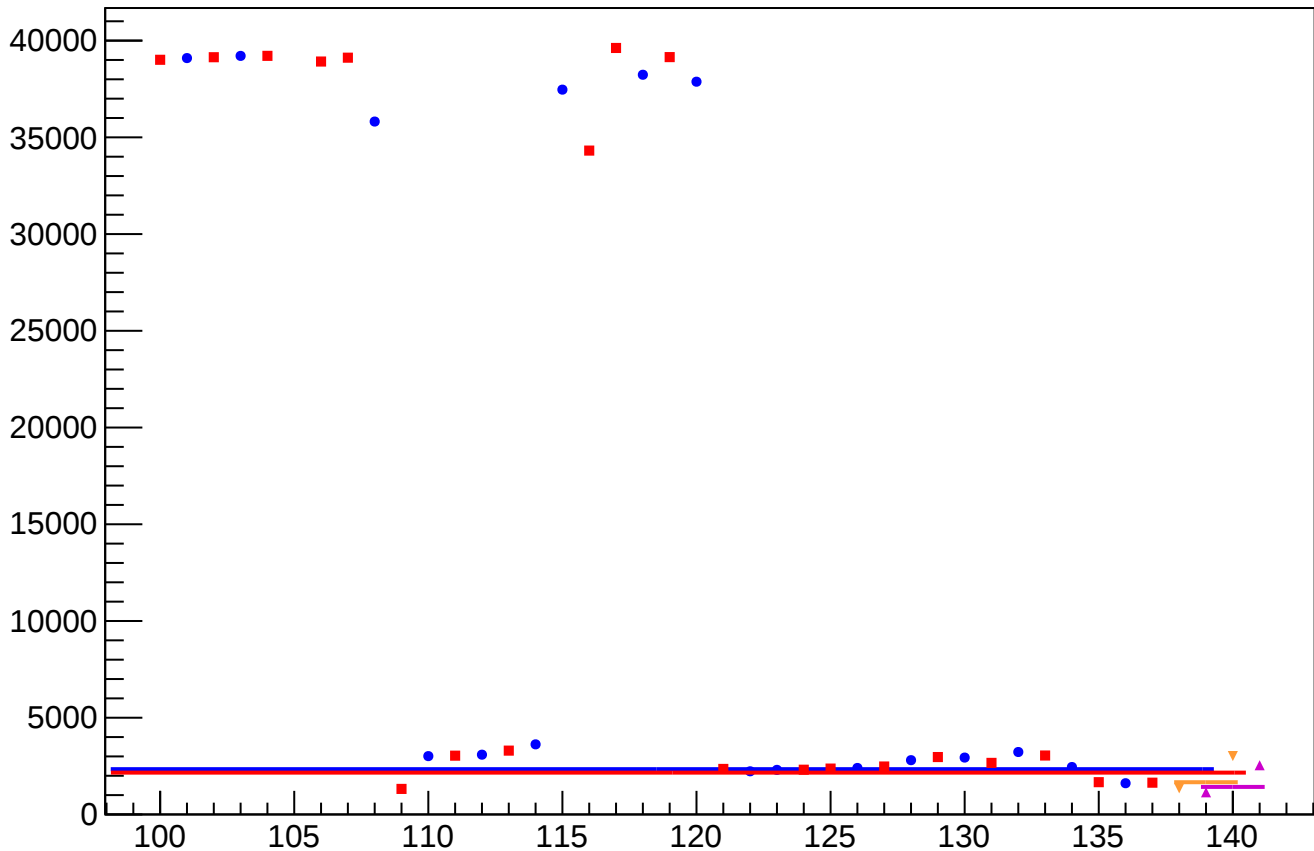
Right Out: -1.530 $\pm$ 1.062 χ^2 /NDF: 26.1/19

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

-0.048 $\pm$ 0.915 χ^2 /NDF: 26.1/18

-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: 1666.322+/-1.078 χ^2/NDF : 367323.6/1

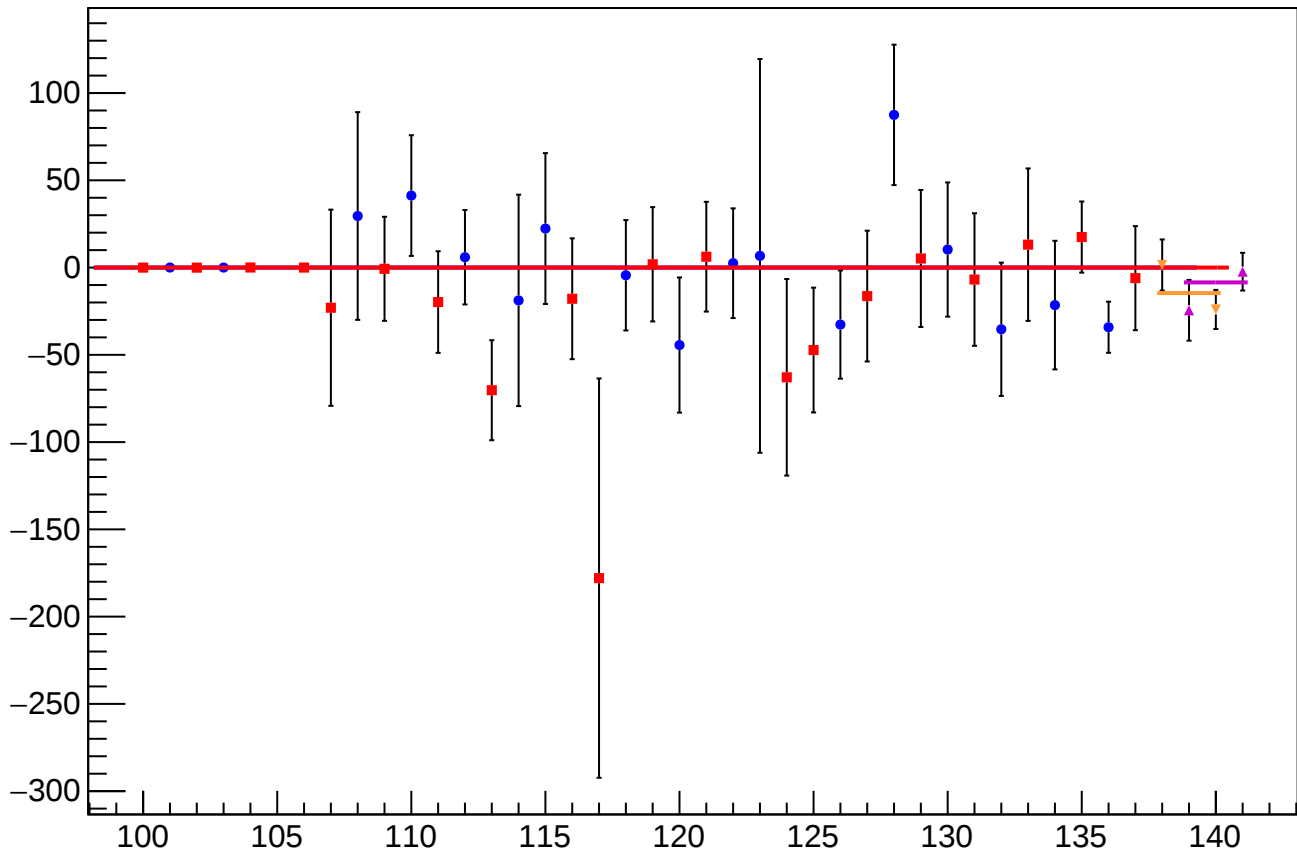
2098.437+/-0.647 χ^2/NDF : 5624918.7/18

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

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

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

diff_cav4bX_mean vs Slug



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

Left Out: -14.602+/-8.894 χ^2/NDF : 1.9/1

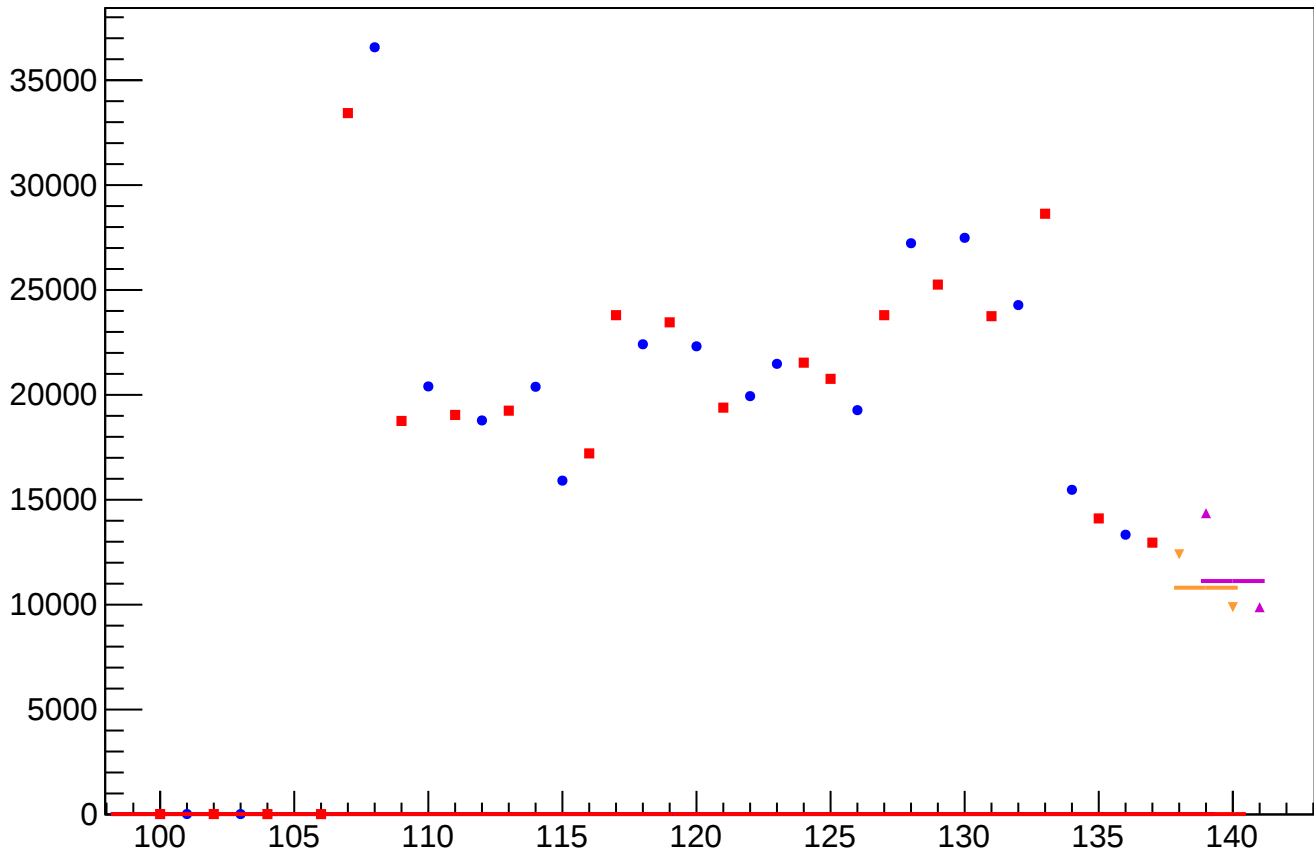
Right Out: 0.003+/-0.016 χ^2/NDF : 18.3/19

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

0.013+/-0.017 χ^2/NDF : 20.8/18

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: 10808.279+/-6.289 χ^2/NDF : 37353.1/1

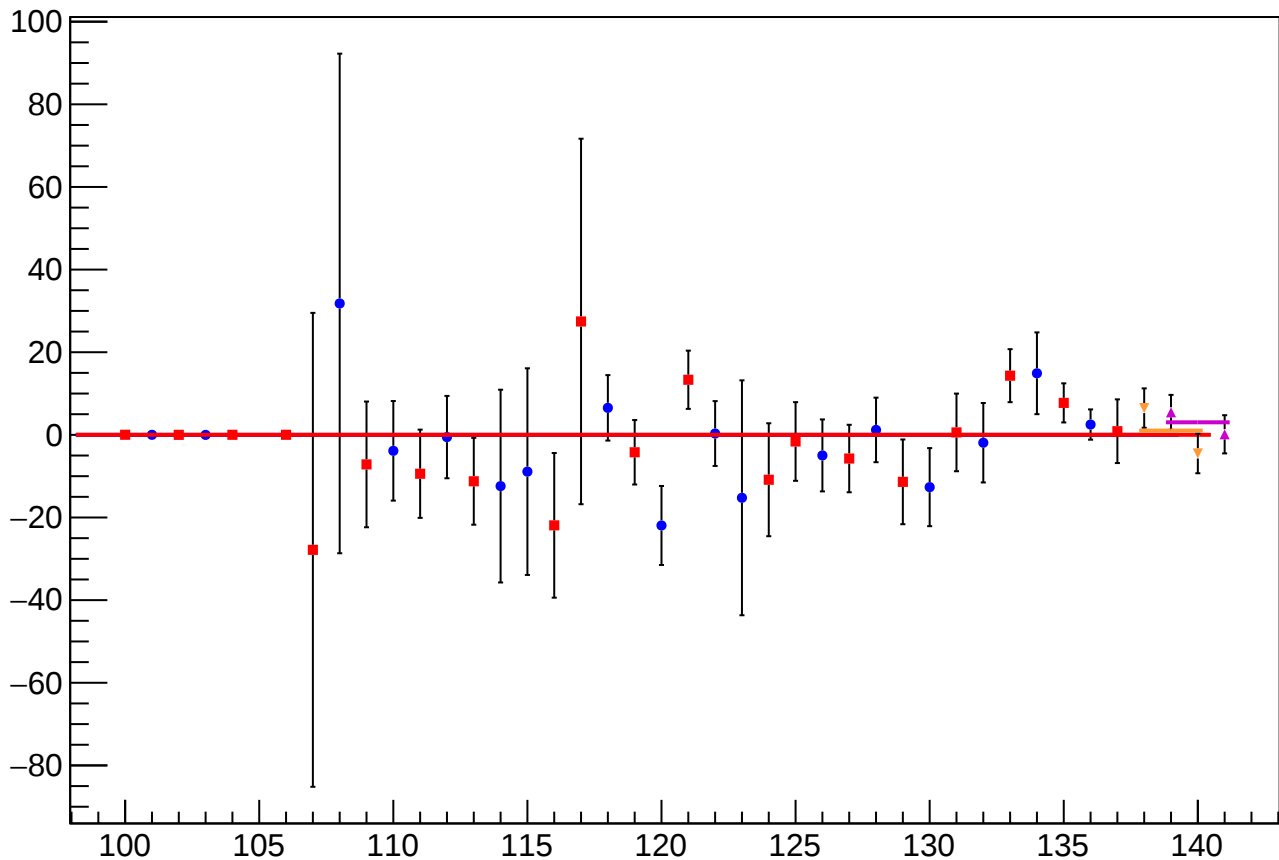
Right Out: 18.312+/-0.011 χ^2/NDF : 11197081.8/19

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

18.683+/-0.012 χ^2/NDF : 13964749.5/18

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: 1.036 $\pm$ 3.382 χ^2 /NDF:2.6/1

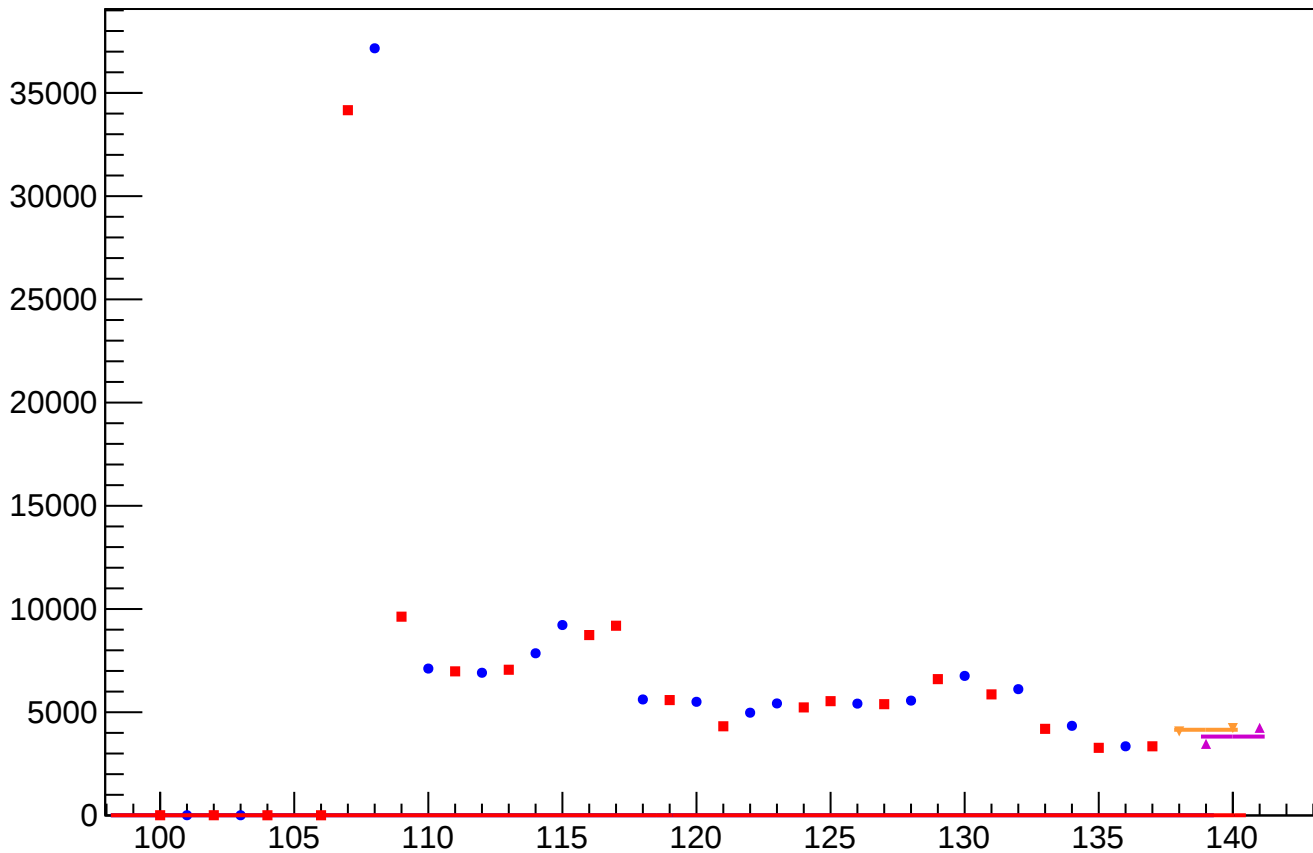
Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 19.0/19

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

0.001 $\pm$ 0.009 χ^2 /NDF: 15.8/18

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: 4150.923+/-2.392 χ^2/NDF :1157.5/1

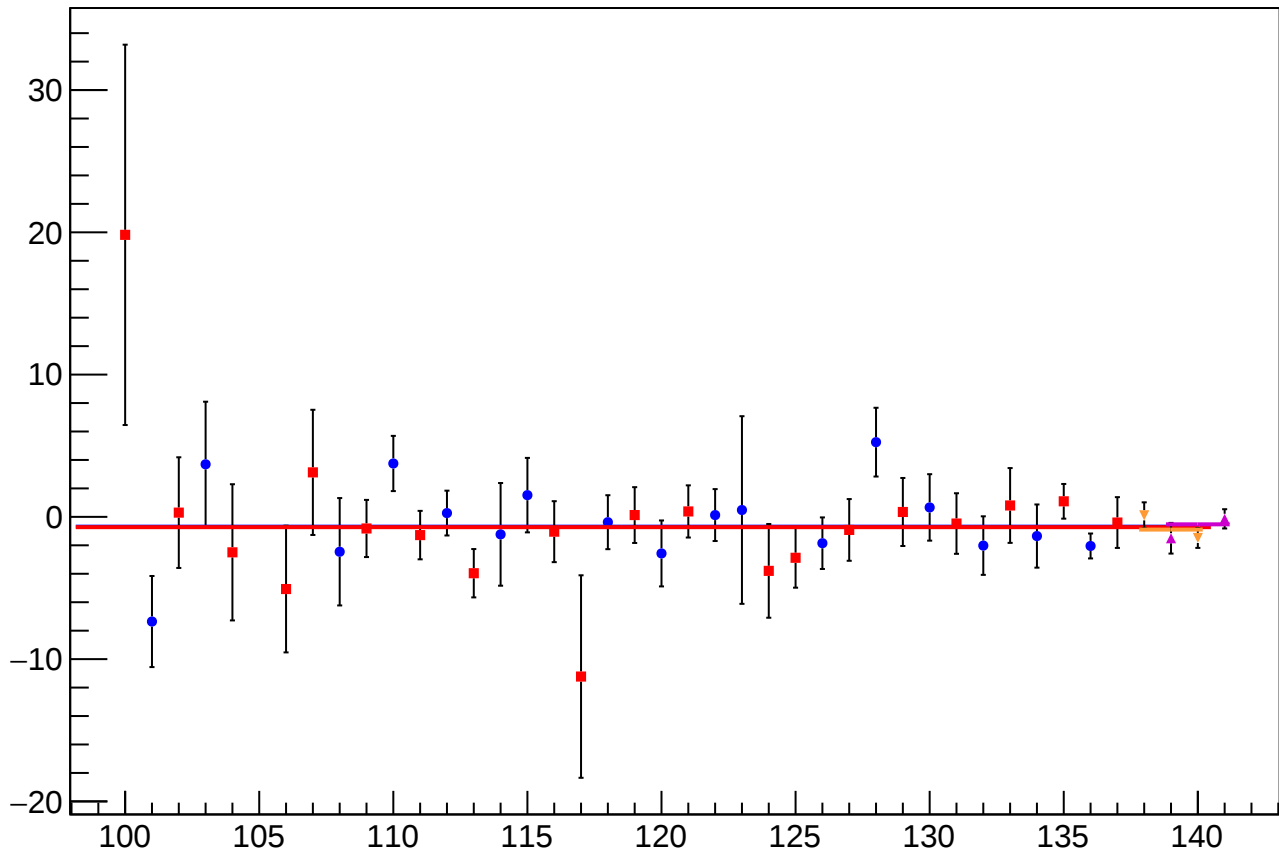
Right Out: 9.855+/-0.006 χ^2/NDF : 11246160.9/19

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

9.970+/-0.007 χ^2/NDF : 14113504.9/18

9.884+/-0.006 χ^2/NDF : 14270405.1/21

diff_cav4cX_mean vs Slug



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

Left Out: -0.894+/-0.555 χ^2/NDF : 1.9/1

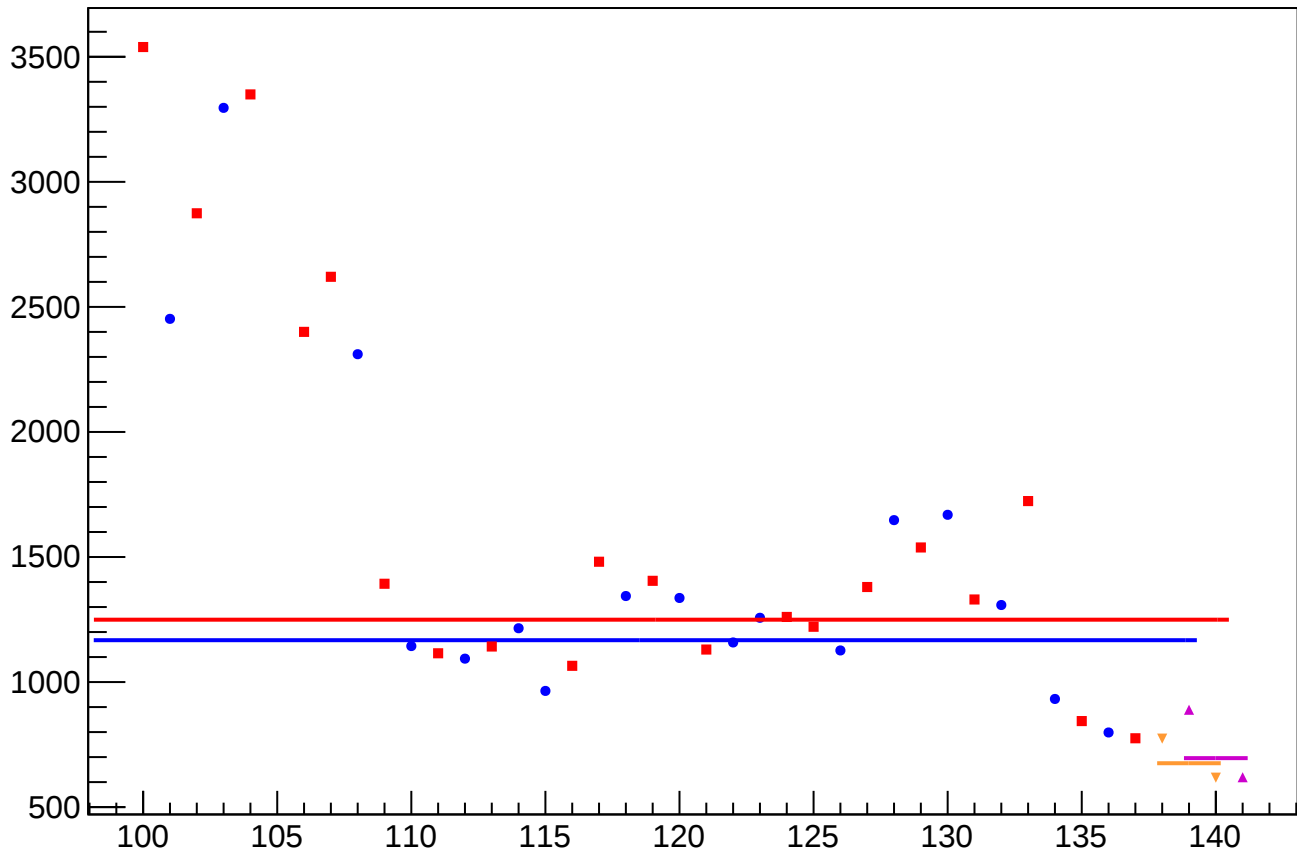
Right Out: -0.724+/-0.499 χ^2/NDF : 15.5/19

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

-0.777+/-0.364 χ^2/NDF : 24.5/18

-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: 675.461 $\pm$ 0.393 χ^2 /NDF: 36841.7/1

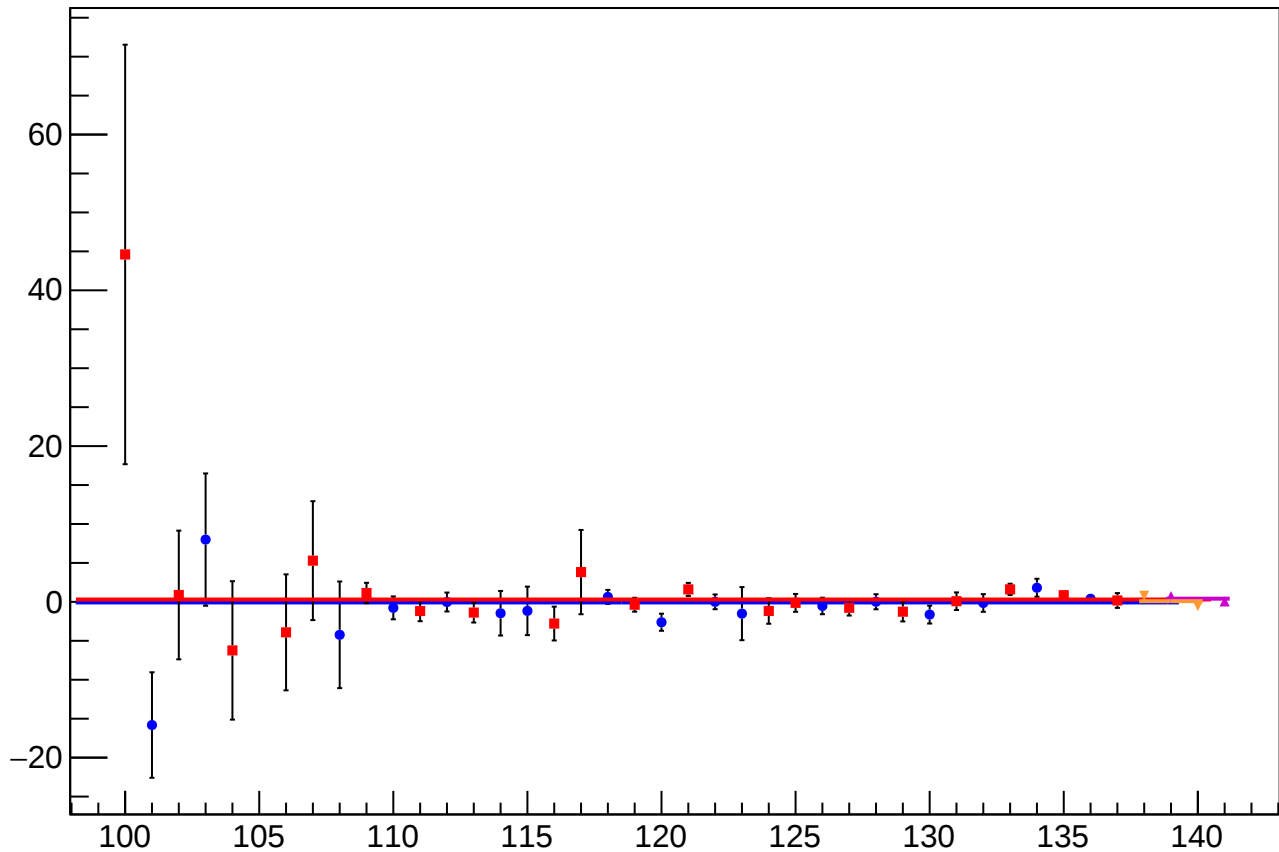
Right Out: 1249.388 $\pm$ 0.353 χ^2 /NDF: 1656159.5/19

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

955.917 $\pm$ 0.257 χ^2 /NDF: 2509754.9/18

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: 0.088 ± 0.401 χ^2/NDF : 2.7/1

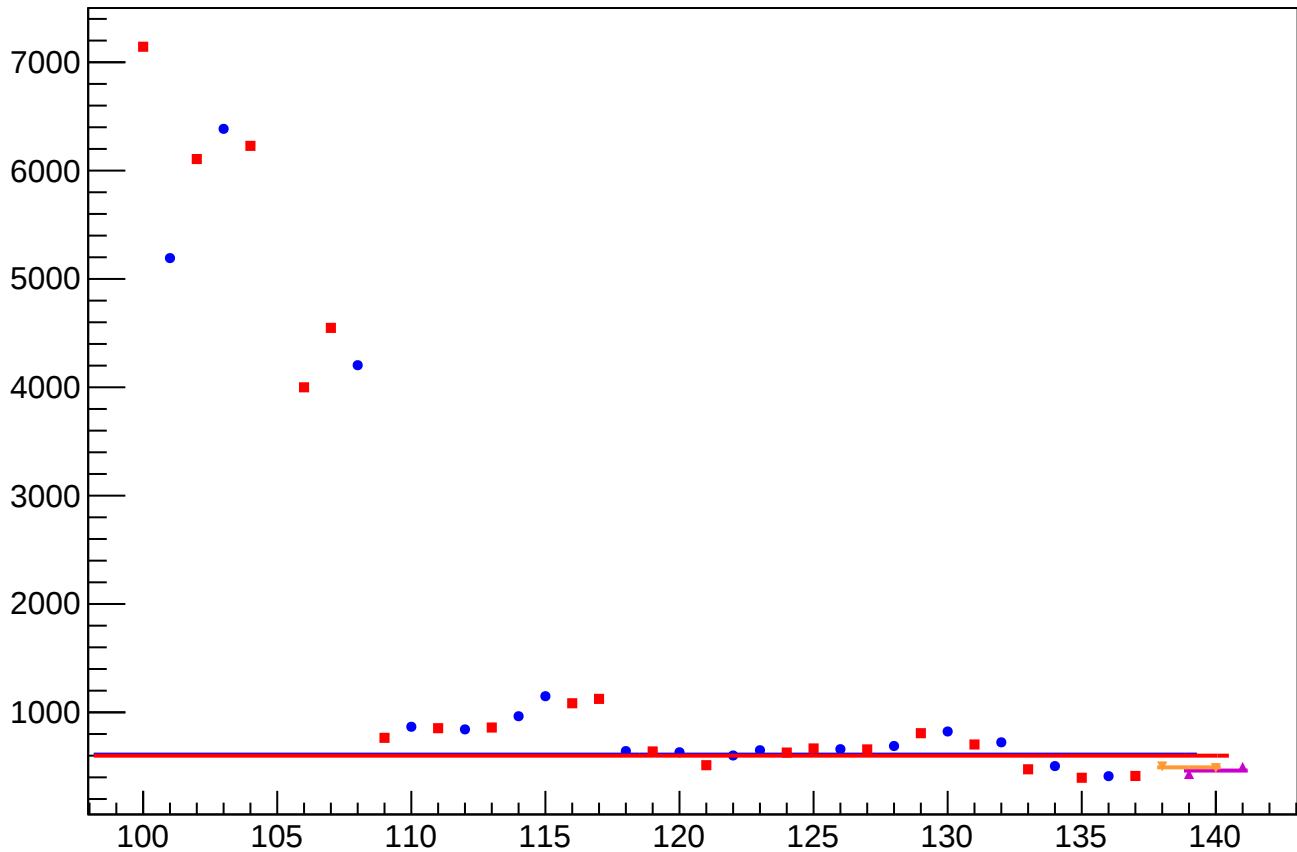
Right Out: 0.303 ± 0.264 χ^2/NDF : 20.7/19

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

-0.022 ± 0.223 χ^2/NDF : 22.0/18

0.338 ± 0.216 χ^2/NDF : 21.5/21

diff_cav4cY_rms vs Slug



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

Left Out: 492.320 $\pm$ 0.283 χ^2 /NDF: 718.1/1

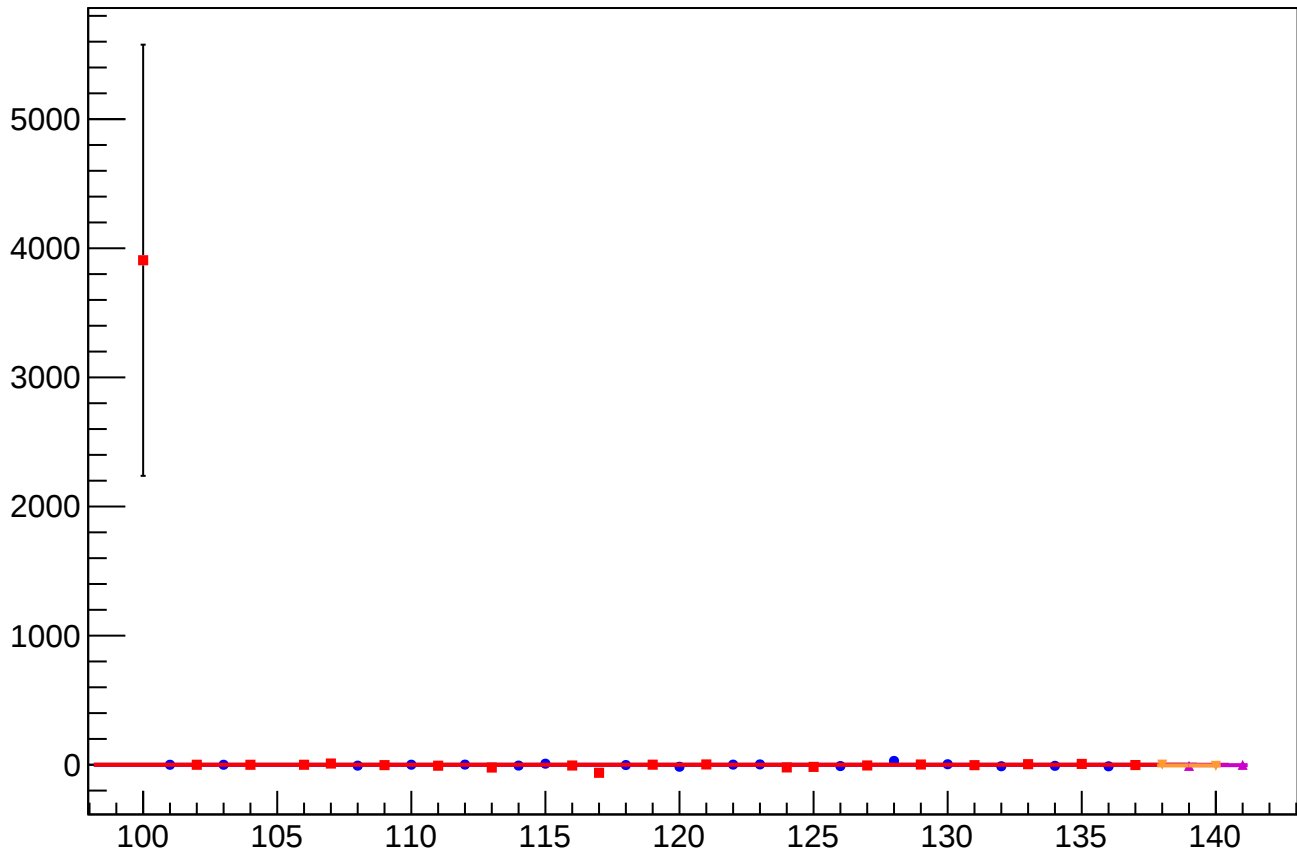
573.362 $\pm$ 0.158 χ^2 /NDF: 3255294.9/18

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

554.957 $\pm$ 0.153 χ^2 /NDF: 3765587.4/21

Left In: 462.629 $\pm$ 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: -5.162 ± 3.208 χ^2/NDF : 2.0/1

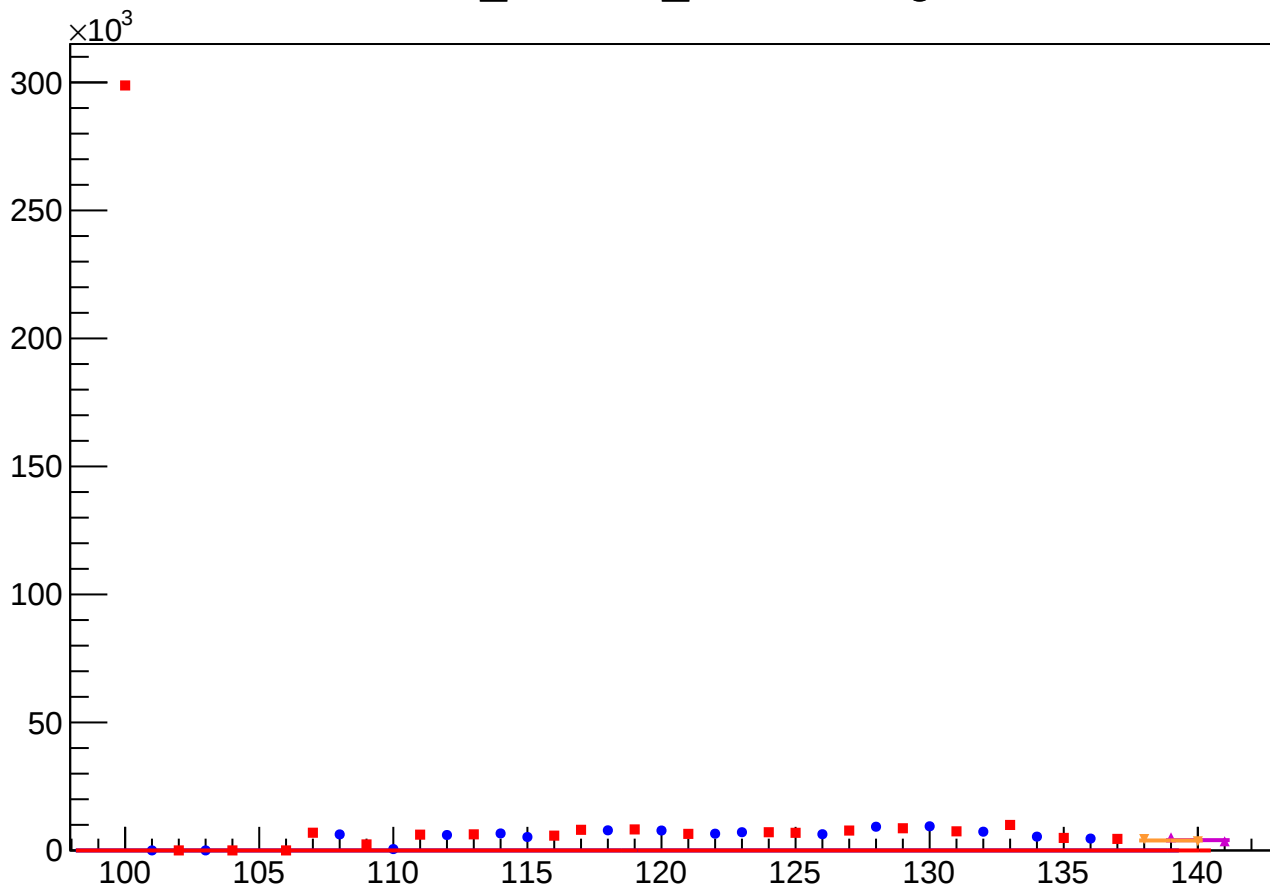
Right Out: -0.027 ± 0.020 χ^2/NDF : 20.5/19

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

-0.022 ± 0.021 χ^2/NDF : 20.2/18

-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: 3902.243 $\pm$ 2.268 χ^2/NDF : 34545.7/1

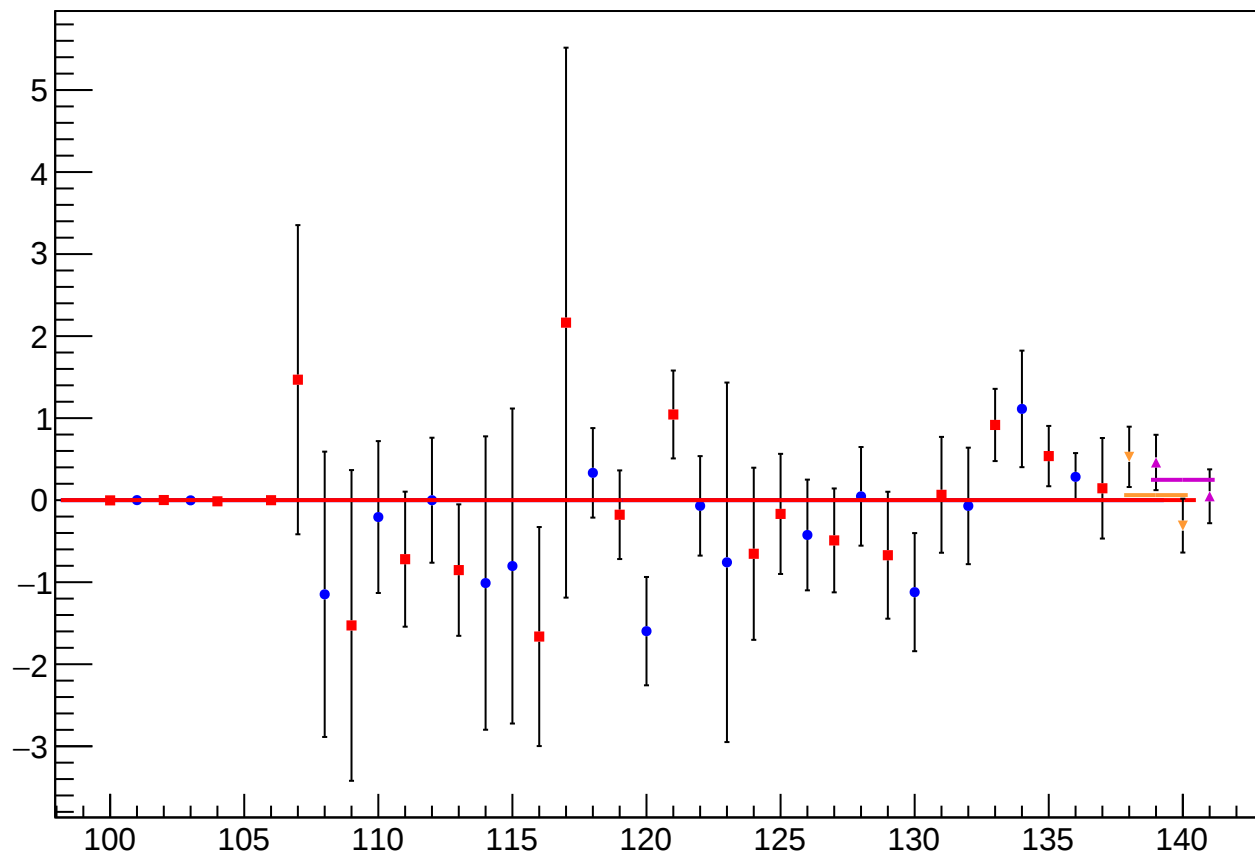
Right Out: 17.271 $\pm$ 0.014 χ^2/NDF : 10906837.9/19

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

17.504 $\pm$ 0.015 χ^2/NDF : 13469677.7/18

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: 0.062 $\pm$ 0.245 χ^2 /NDF: 2.9/1

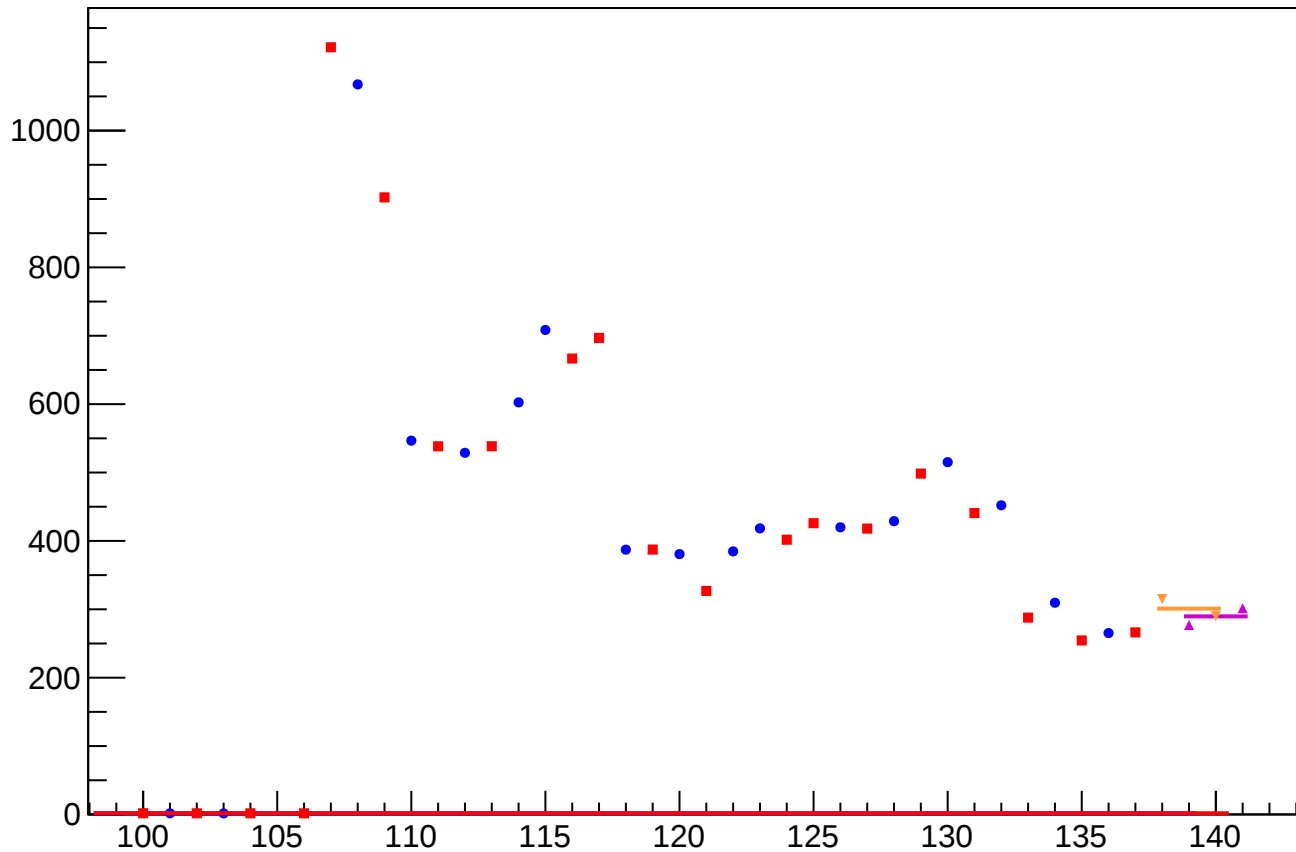
Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 18.3/19

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

0.000 $\pm$ 0.002 χ^2 /NDF: 16.7/18

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: 301.006+/-0.173 χ^2/NDF :5167.6/1

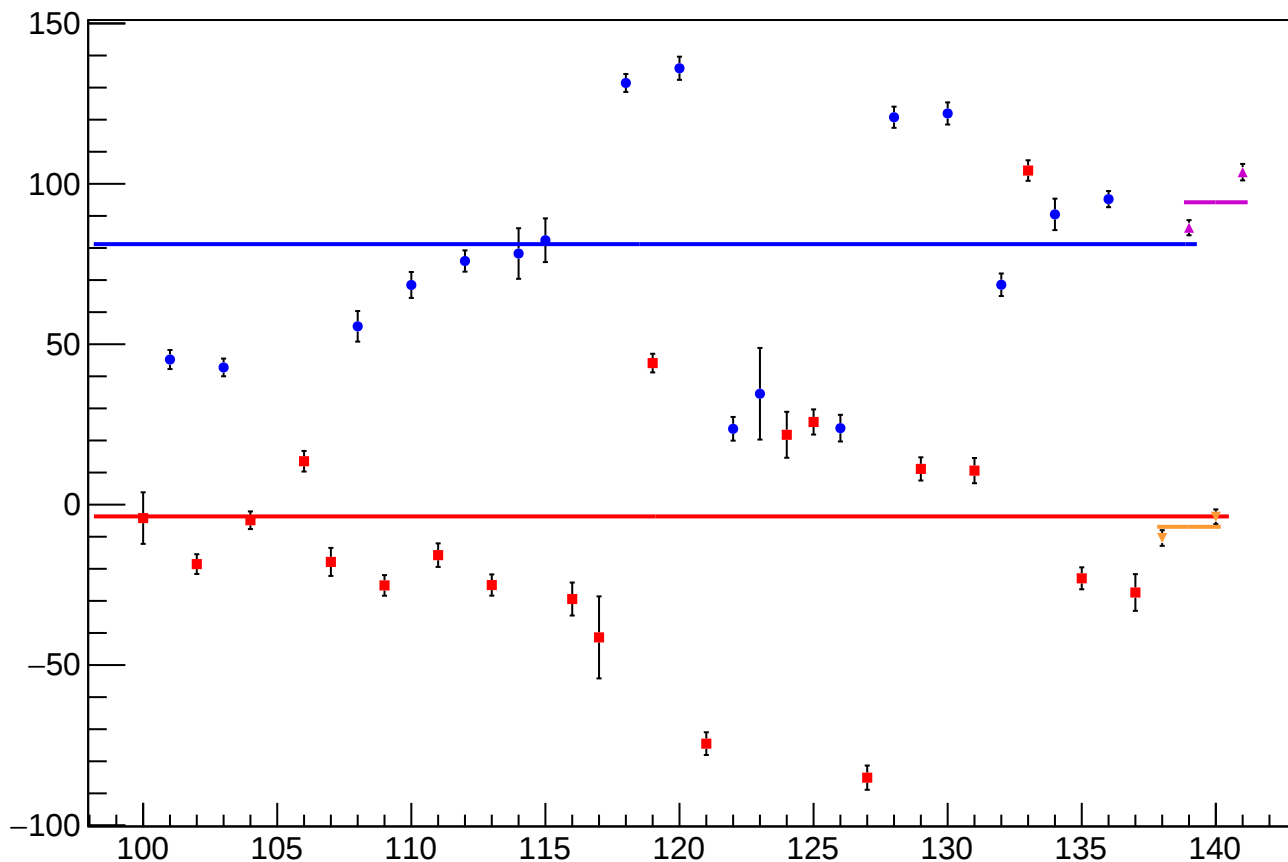
Right Out: 1.729+/-0.001 χ^2/NDF : 10829914.3/19

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

1.720+/-0.001 χ^2/NDF : 14043784.3/18

1.748+/-0.001 χ^2/NDF : 13830185.3/21

diff_bpm0i01X_mean vs Slug



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

Left Out: -6.908 $\pm$ 1.678 χ^2 /NDF: 3.9/1

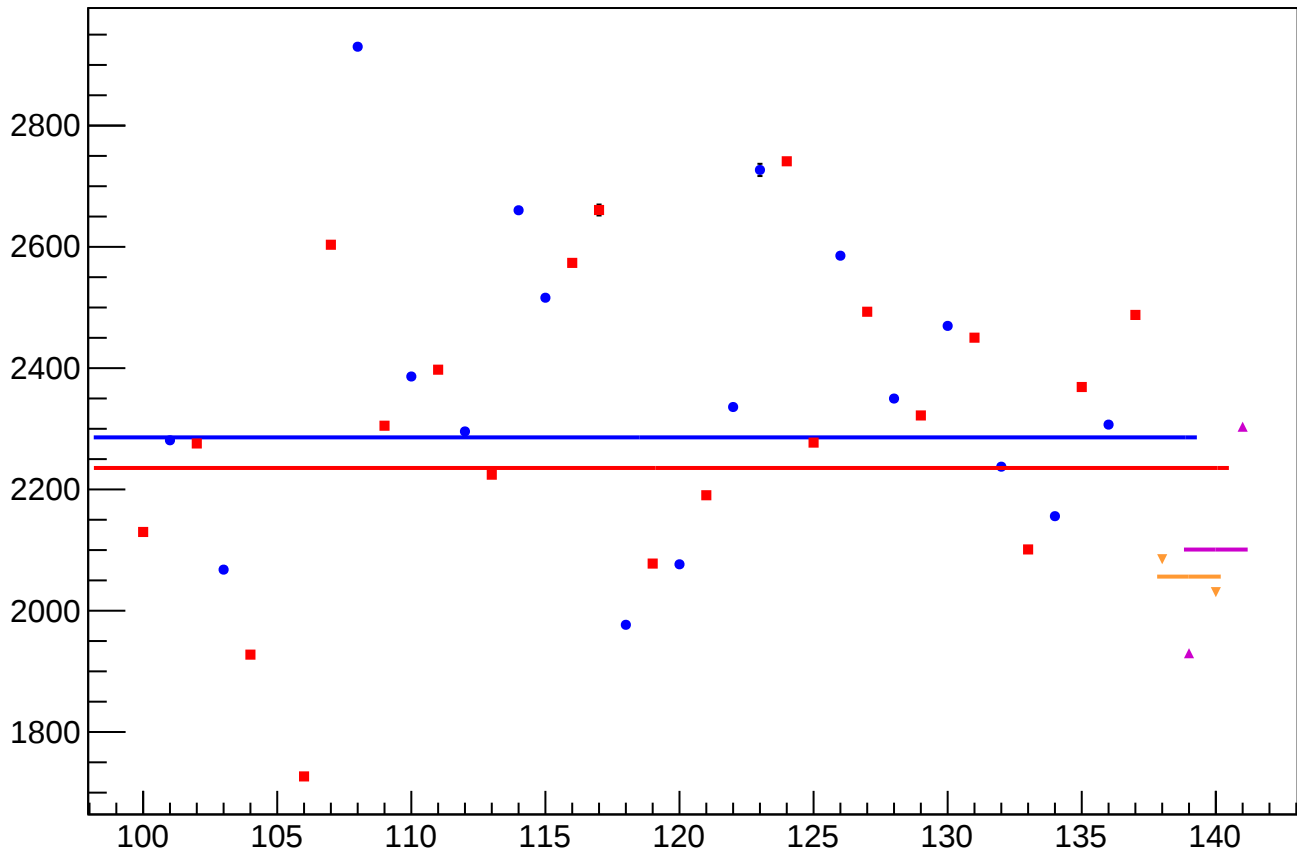
Right Out: -3.672 $\pm$ 0.841 χ^2 /NDF: 2607.8/19

Left In: 94.247 $\pm$ 1.738 χ^2 /NDF: 24.6/1

61.995 $\pm$ 0.783 χ^2 /NDF: 3870.8/18

14.898 $\pm$ 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: 2056.250+/-1.186 χ^2/NDF : 522.3/1

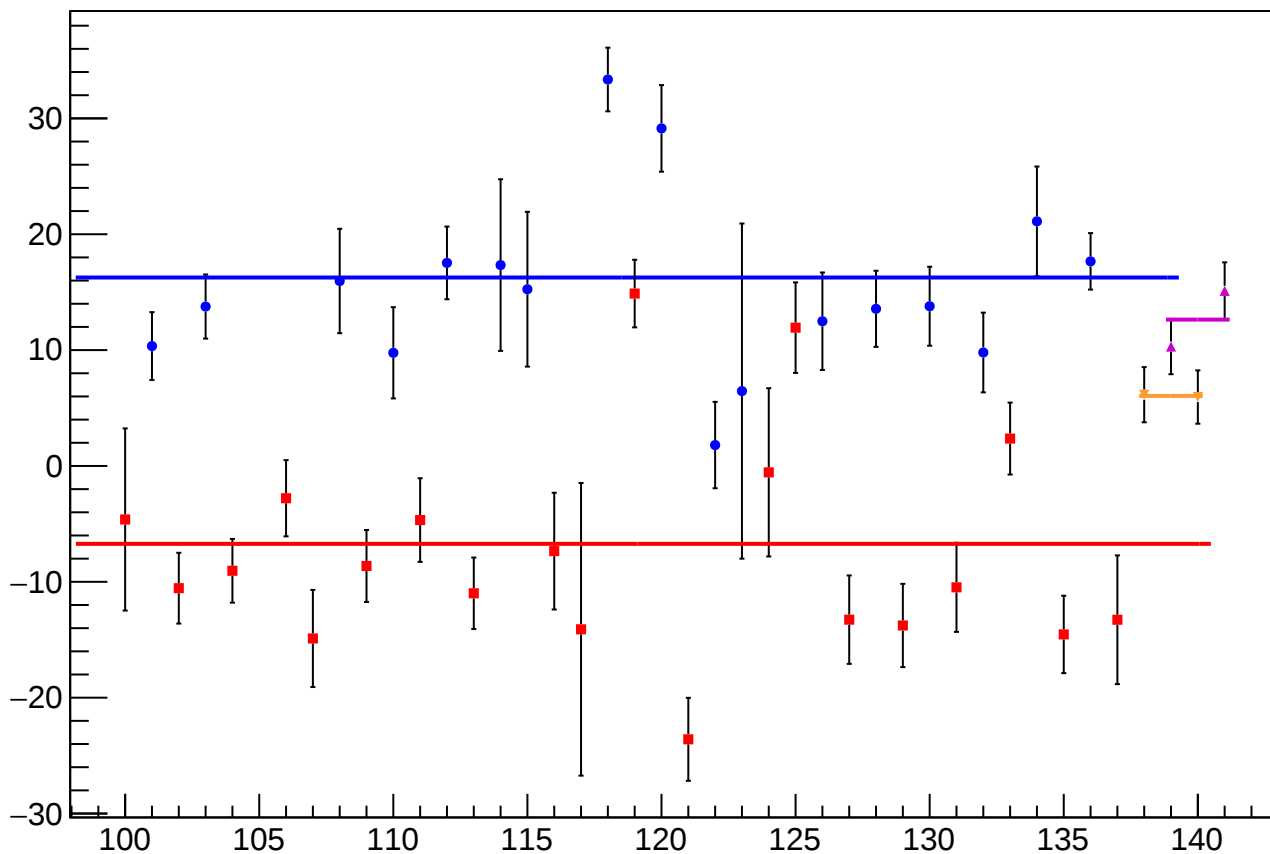
Right Out: 2235.394+/-0.594 χ^2/NDF : 149072.1/19

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

2235.807+/-0.554 χ^2/NDF : 139156.8/18

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: 6.047 ± 1.654 χ^2/NDF : 0.0/1

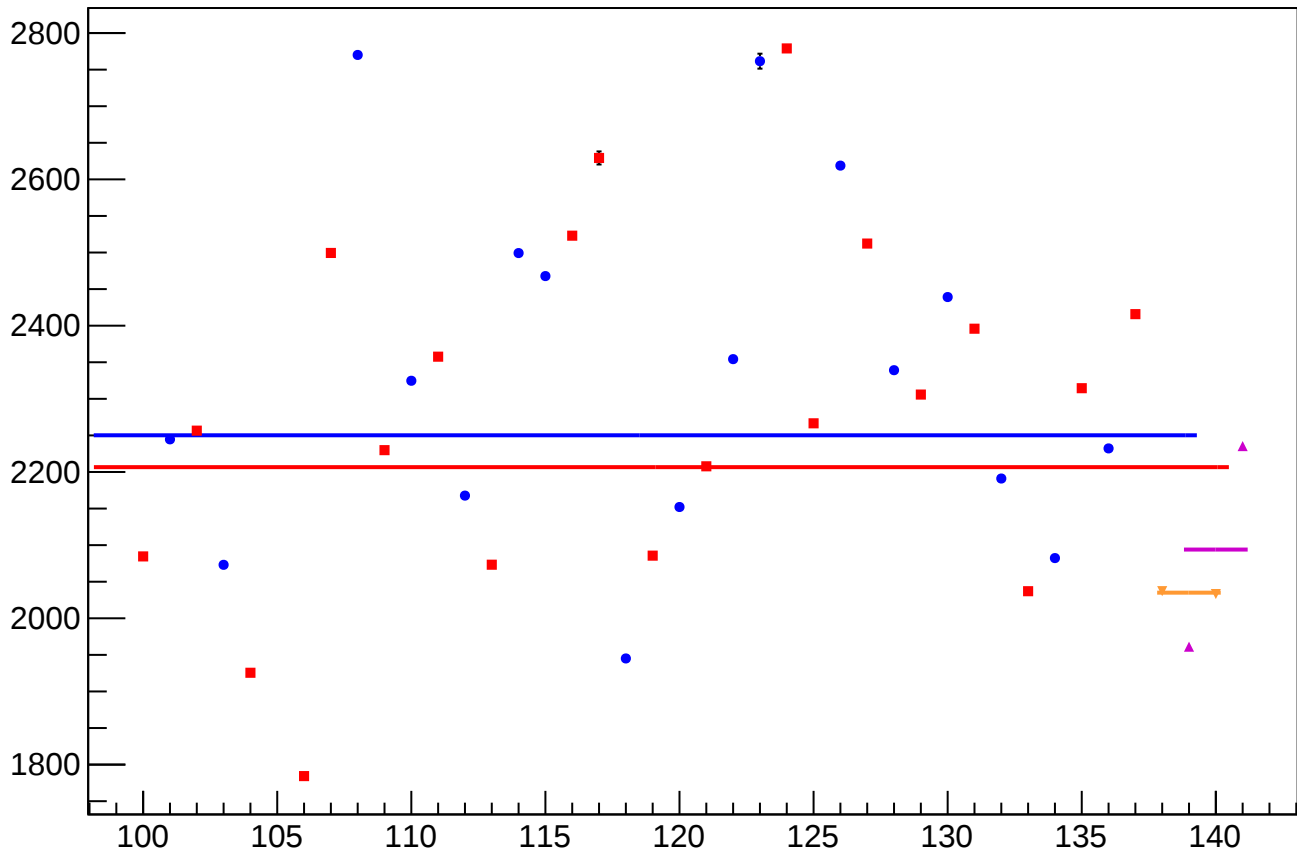
Right Out: -6.722 ± 0.829 χ^2/NDF : 134.3/19

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

14.046 ± 0.771 χ^2/NDF : 110.7/18

-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: 2035.045+/-1.170 χ^2/NDF : 2.8/1

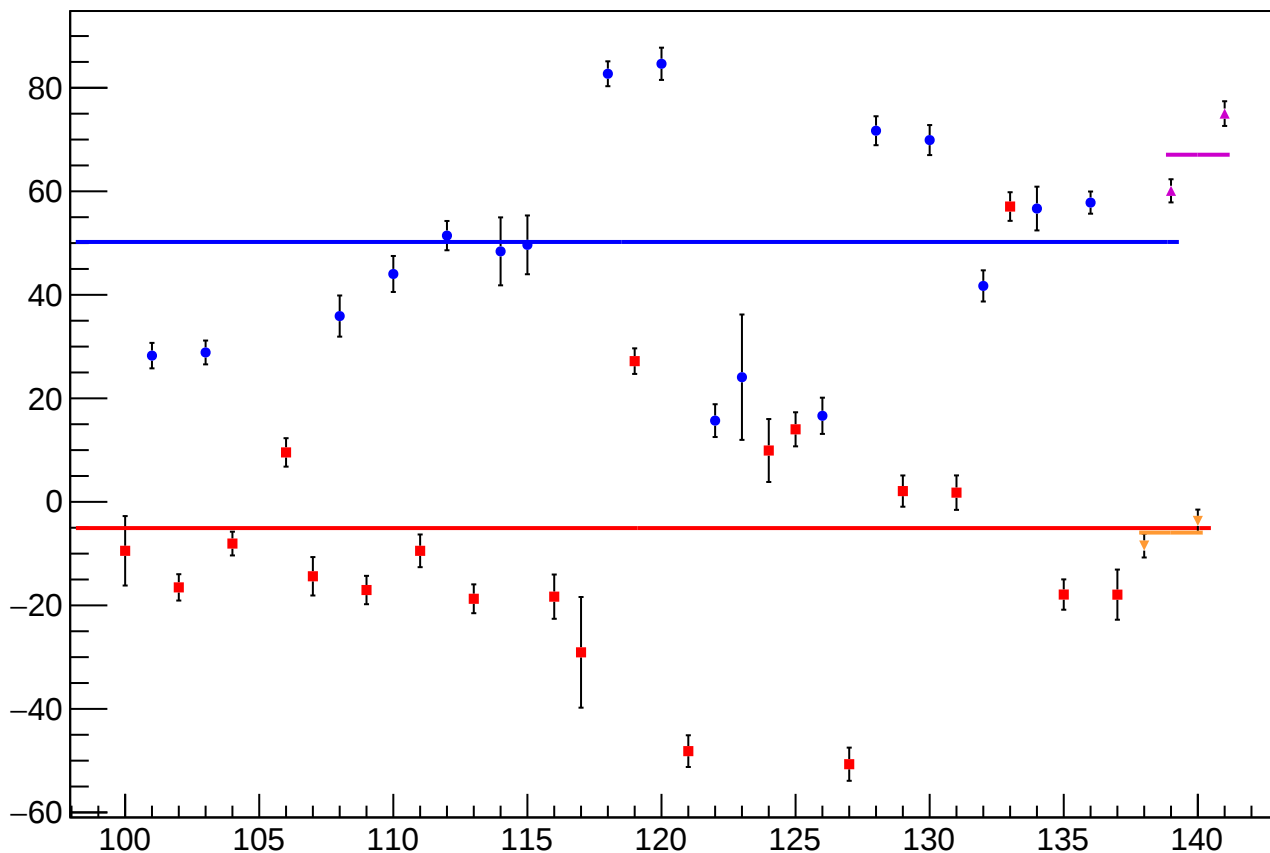
2203.446+/-0.545 χ^2/NDF : 124052.3/18

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

2185.241+/-0.528 χ^2/NDF : 148283.1/21

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

diff_bpm0i01aX_mean vs Slug



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

Left Out: -5.935+/-1.587 χ^2/NDF : 2.2/1

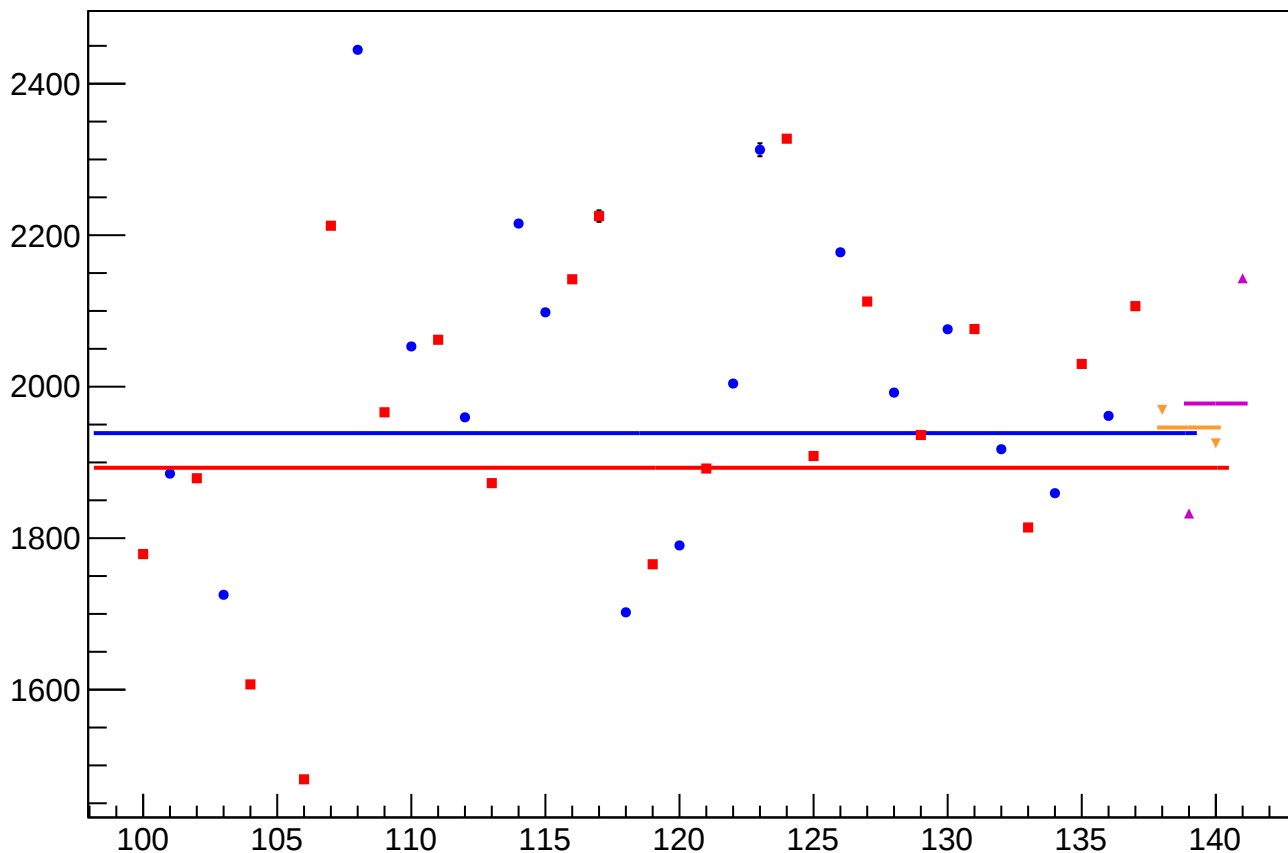
Right Out: -5.065+/-0.712 χ^2/NDF : 1267.6/19

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

39.941+/-0.679 χ^2/NDF : 1856.0/18

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: 1946.113 ± 1.122 χ^2/NDF : 386.6/1

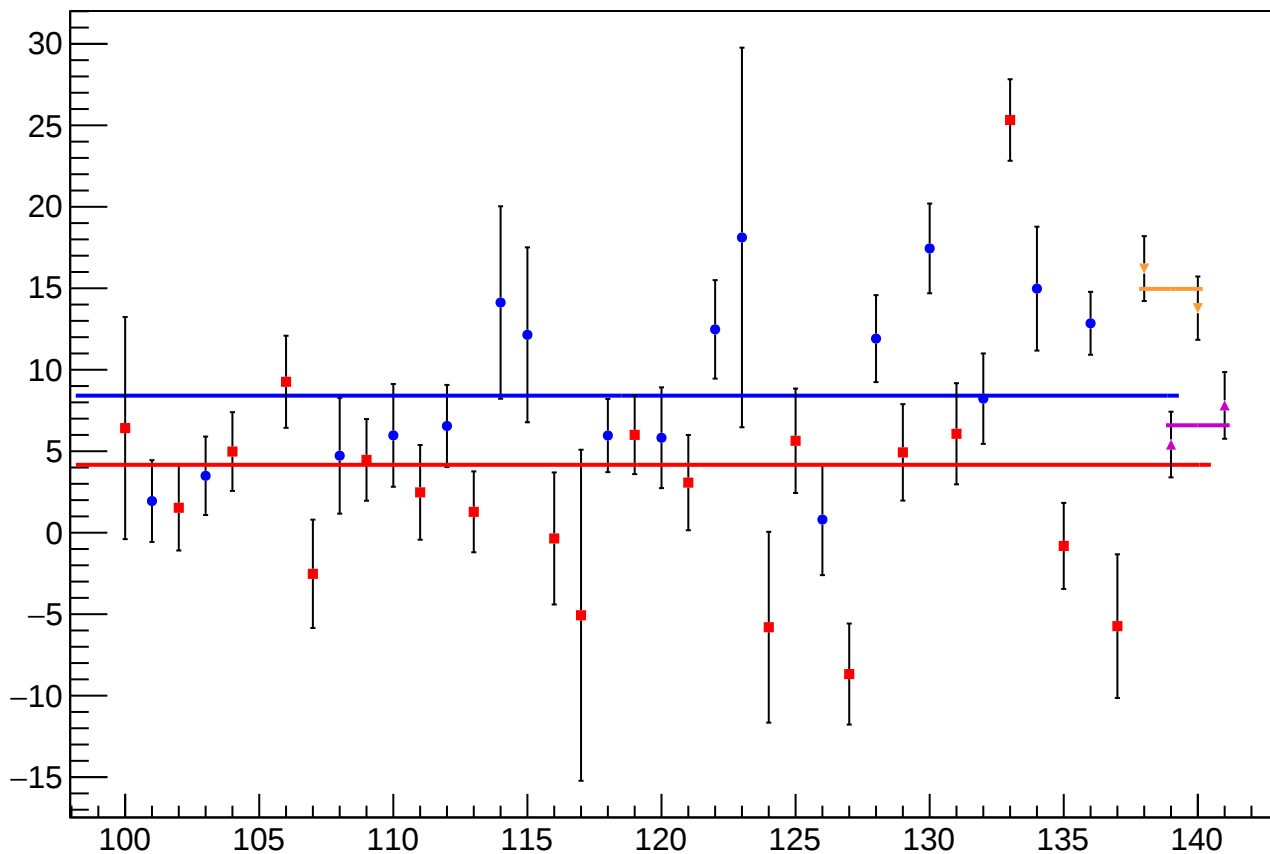
Right Out: 1892.946 ± 0.503 χ^2/NDF : 148563.2/19

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

1940.047 ± 0.480 χ^2/NDF : 100565.5/18

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

diff_bpm0i01aY_mean vs Slug



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

Left Out: 14.964 $\pm$ 1.391 χ^2 /NDF: 0.8/1

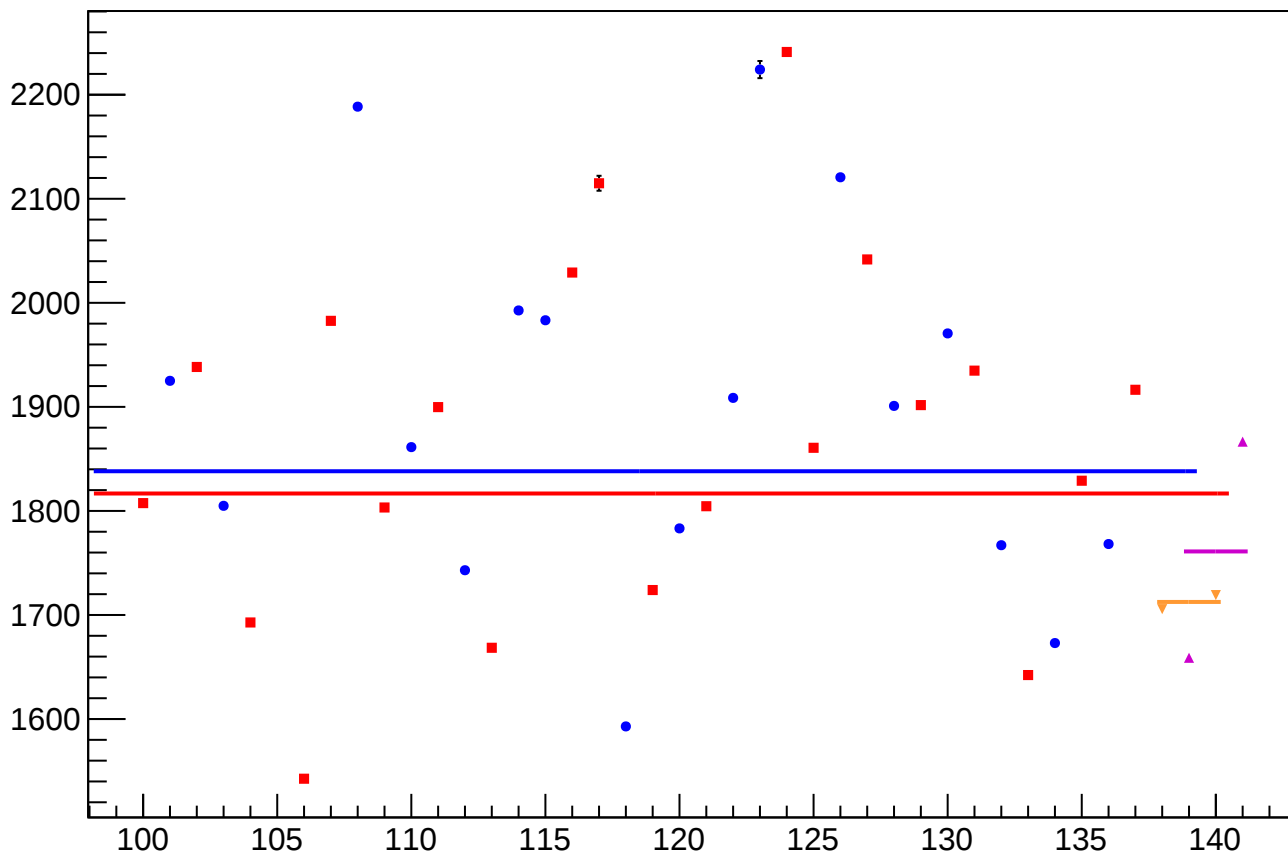
Right Out: 4.167 $\pm$ 0.681 χ^2 /NDF: 113.9/19

Left In: 6.592 $\pm$ 1.436 χ^2 /NDF: 0.7/1

9.770 $\pm$ 0.633 χ^2 /NDF: 62.9/18

4.612 $\pm$ 0.615 χ^2 /NDF: 116.9/21

diff_bpm0i01aY_rms vs Slug



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

Left Out: 1712.531+/-0.983 χ^2/NDF : 47.2/1

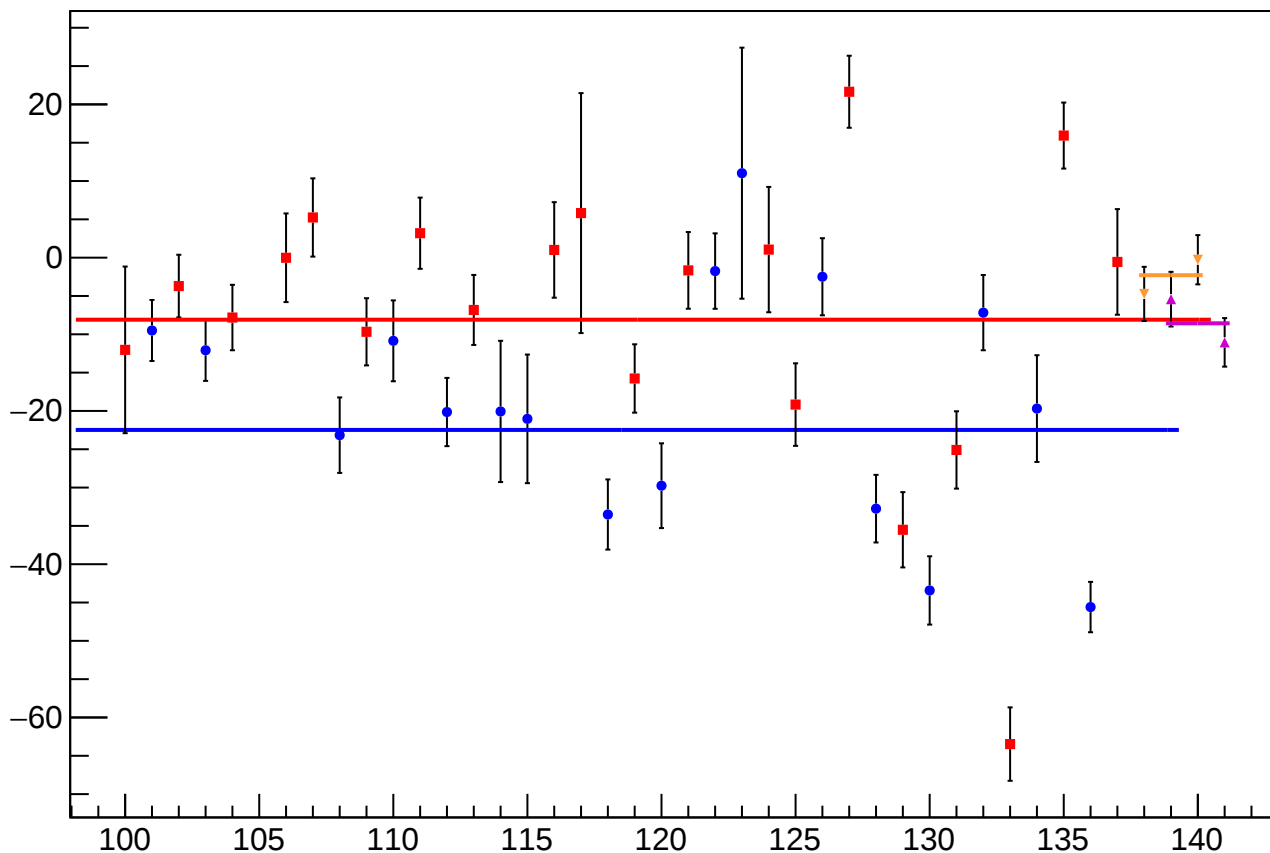
Right Out: 1816.748+/-0.481 χ^2/NDF : 89149.7/19

Left In: 1761.065+/-1.015 χ^2/NDF : 10459.1/1

1812.099+/-0.448 χ^2/NDF : 95860.7/18

1806.526+/-0.435 χ^2/NDF : 102064.5/21

diff_bpm0l01X_mean vs Slug



Right In: -22.477 ± 1.195 $\chi^2/\text{NDF}: 154.7/16$

Left Out: -2.289 ± 2.379 $\chi^2/\text{NDF}: 0.9/1$

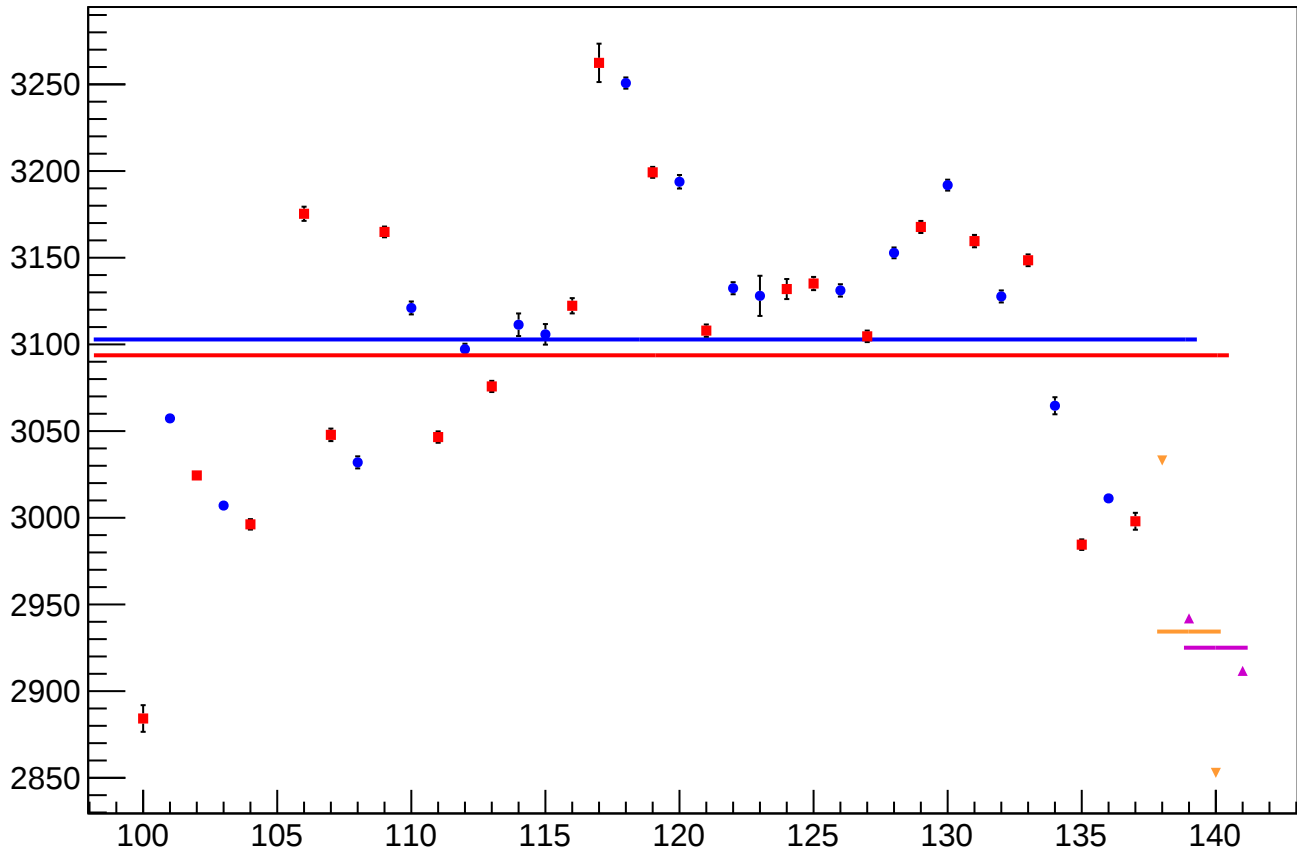
Right Out: -8.093 ± 1.153 $\chi^2/\text{NDF}: 277.7/19$

Left In: -8.566 ± 2.369 $\chi^2/\text{NDF}: 1.4/1$

-18.411 ± 1.068 $\chi^2/\text{NDF}: 213.1/18$

-8.184 ± 1.037 $\chi^2/\text{NDF}: 279.1/21$

diff_bpm0l01X_rms vs Slug



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

Left Out: 2934.368 $\pm$ 1.682 χ^2/NDF : 2843.0/1

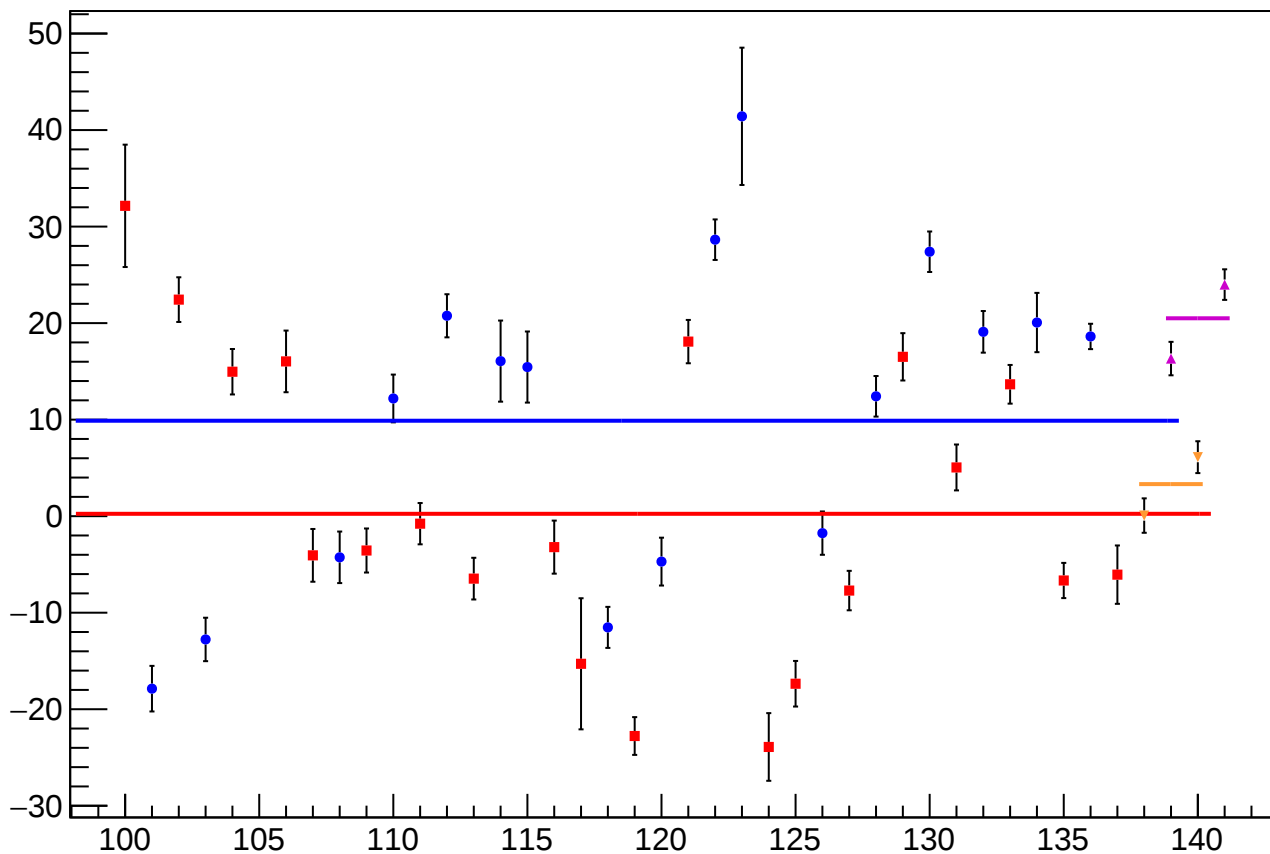
Right Out: 3093.715 $\pm$ 0.816 χ^2/NDF : 7996.8/19

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

3068.907 $\pm$ 0.755 χ^2/NDF : 18199.7/18

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

diff_bpm0l01Y_mean vs Slug



Right In: 9.887 ± 0.559 χ^2/NDF : 703.6/16

Left Out: 3.322 ± 1.211 χ^2/NDF : 6.2/1

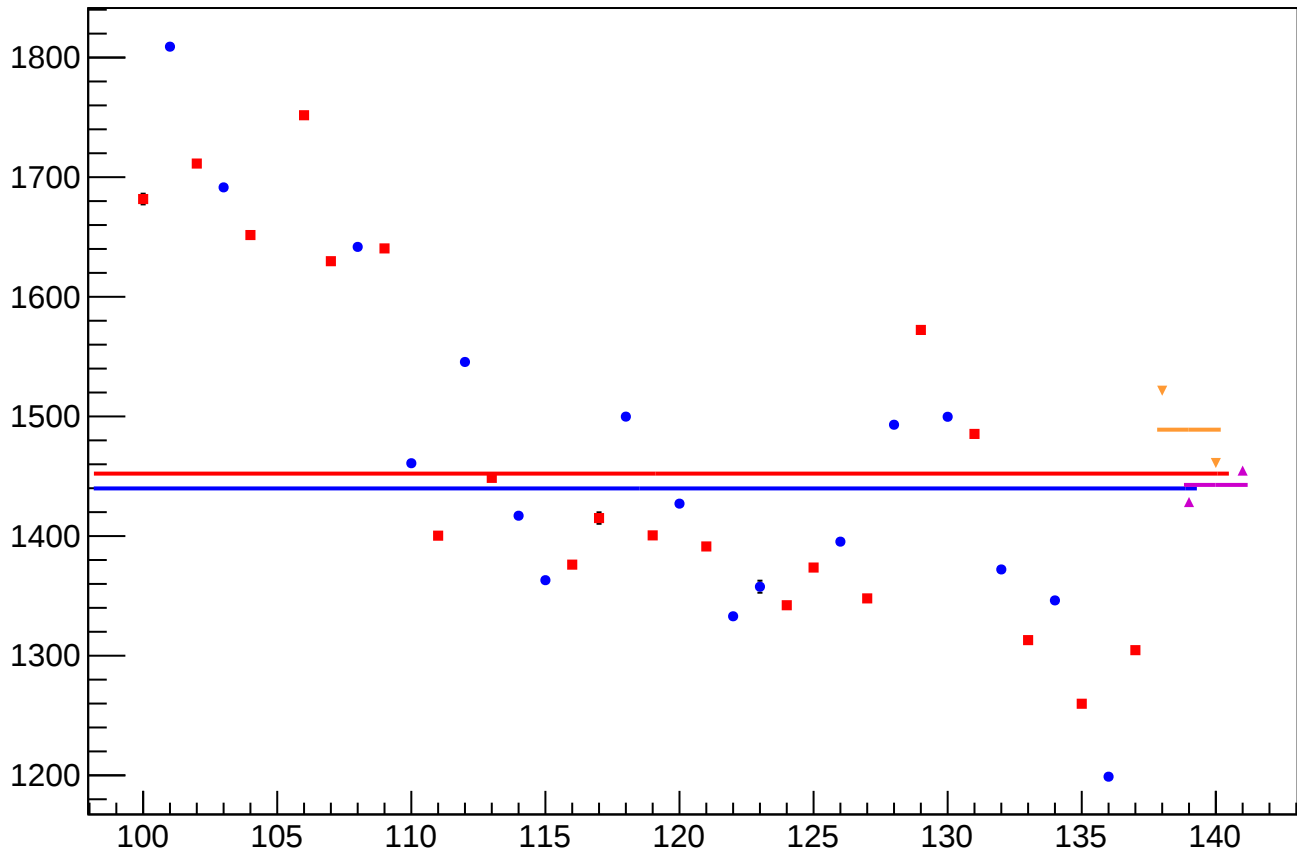
Right Out: 0.245 ± 0.545 χ^2/NDF : 634.1/19

Left In: 20.501 ± 1.169 χ^2/NDF : 10.7/1

8.733 ± 0.508 χ^2/NDF : 734.1/18

3.862 ± 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: 1488.943+/-0.856 χ^2/NDF :1237.1/1

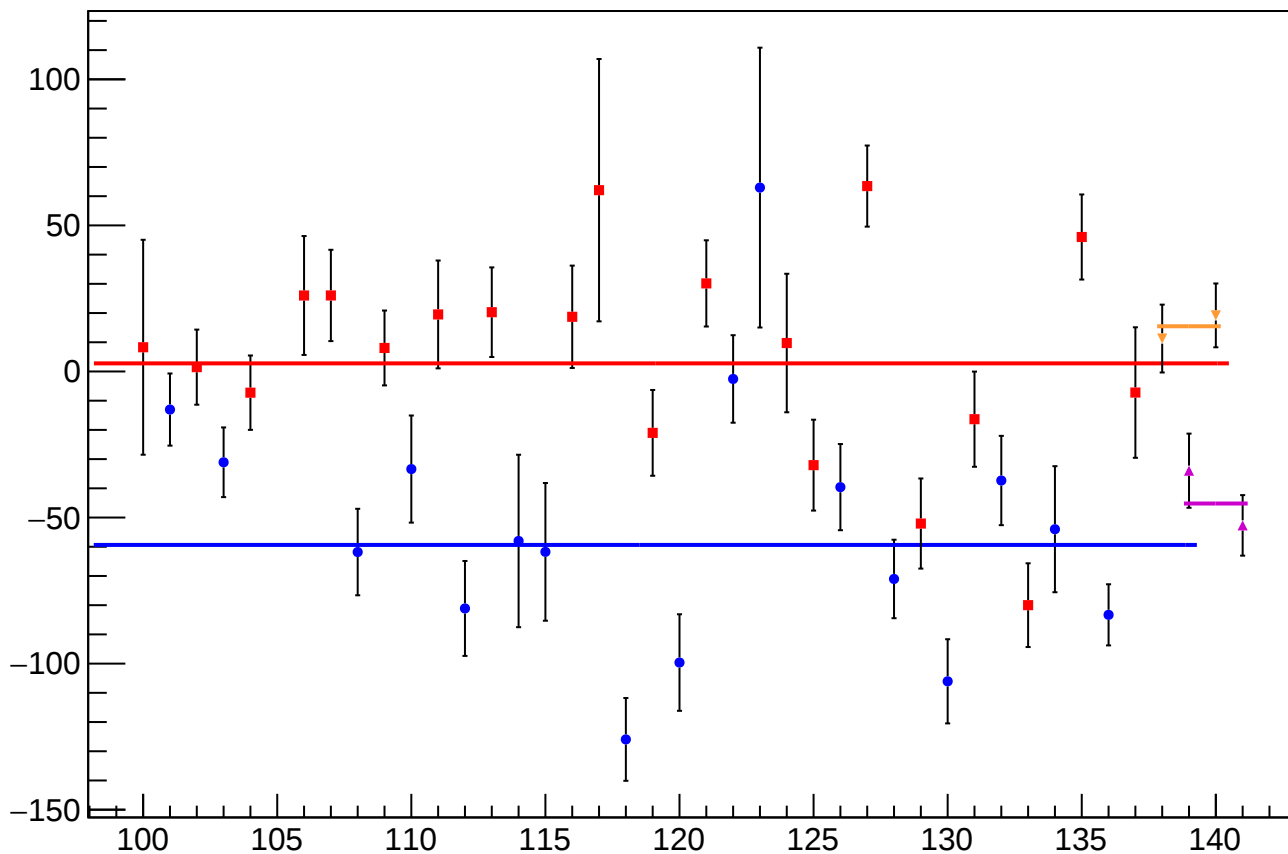
Right Out: 1452.211+/-0.385 χ^2/NDF : 138579.9/19

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

1448.464+/-0.359 χ^2/NDF : 176771.5/18

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: 15.475 ± 7.957 χ^2/NDF : 0.2/1

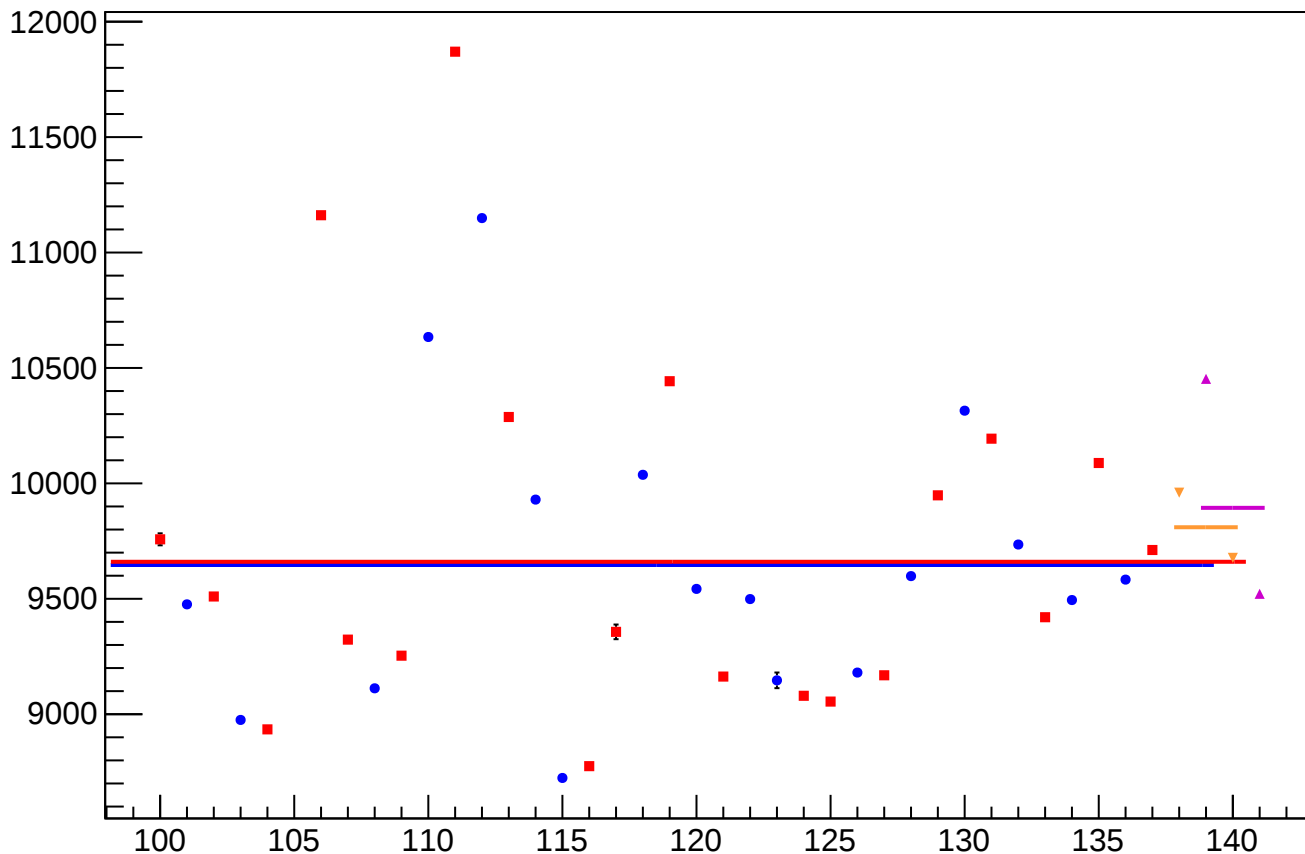
Right Out: 2.776 ± 3.618 χ^2/NDF : 95.7/19

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

-45.897 ± 3.376 χ^2/NDF : 165.7/18

-5.326 ± 3.298 χ^2/NDF : 126.7/21

diff_bpm0l02X_rms vs Slug



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

Left Out: 9809.940+/-5.626 χ^2 /NDF:627.2/1

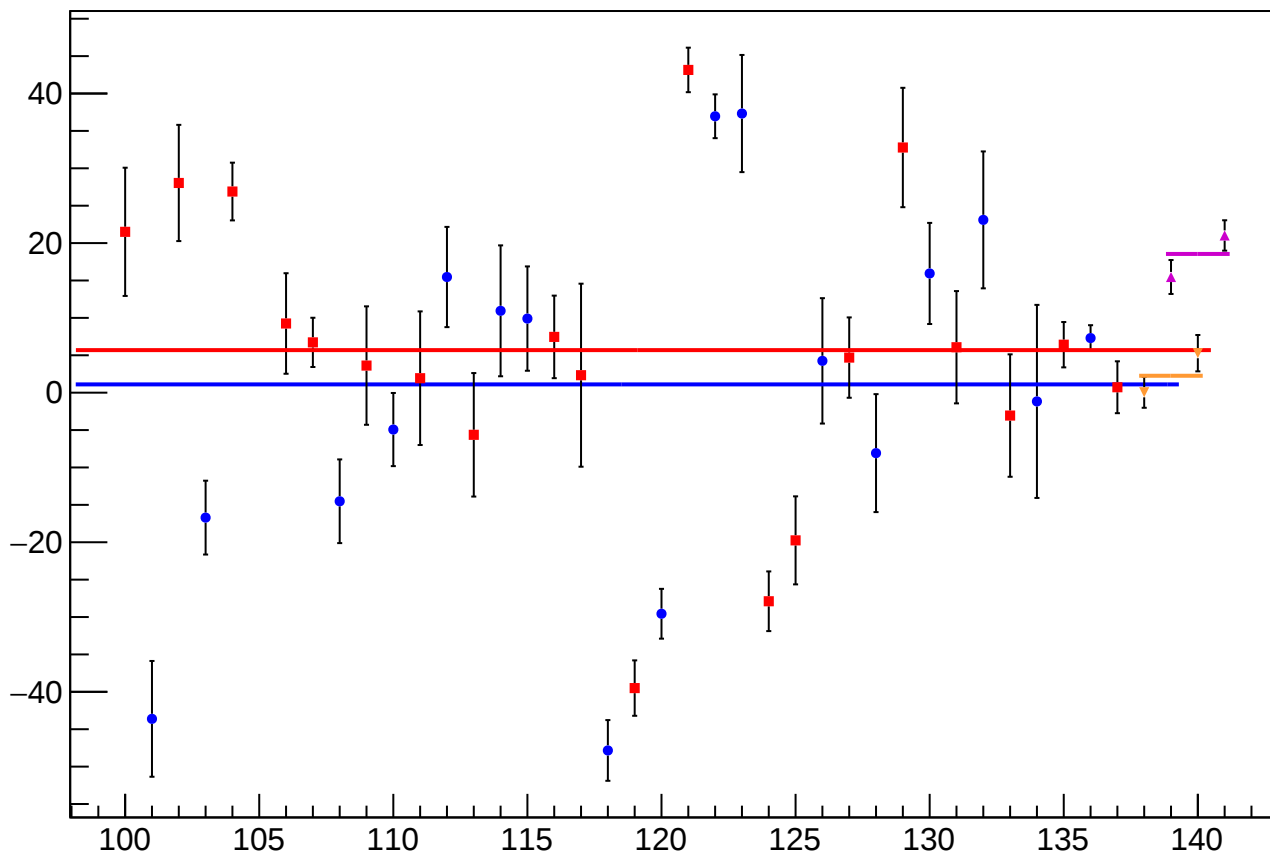
Right Out: 9660.380+/-2.558 χ^2 /NDF: 77676.0/19

Left In: 9894.025+/-5.675 χ^2 /NDF:6460.6/1

9675.913+/-2.388 χ^2 /NDF: 45379.5/18

9699.837+/-2.332 χ^2 /NDF: 85545.3/21

diff_bpm0l02Y_mean vs Slug



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

Left Out: 2.261 ± 1.579 $\chi^2/\text{NDF}: 2.7/1$

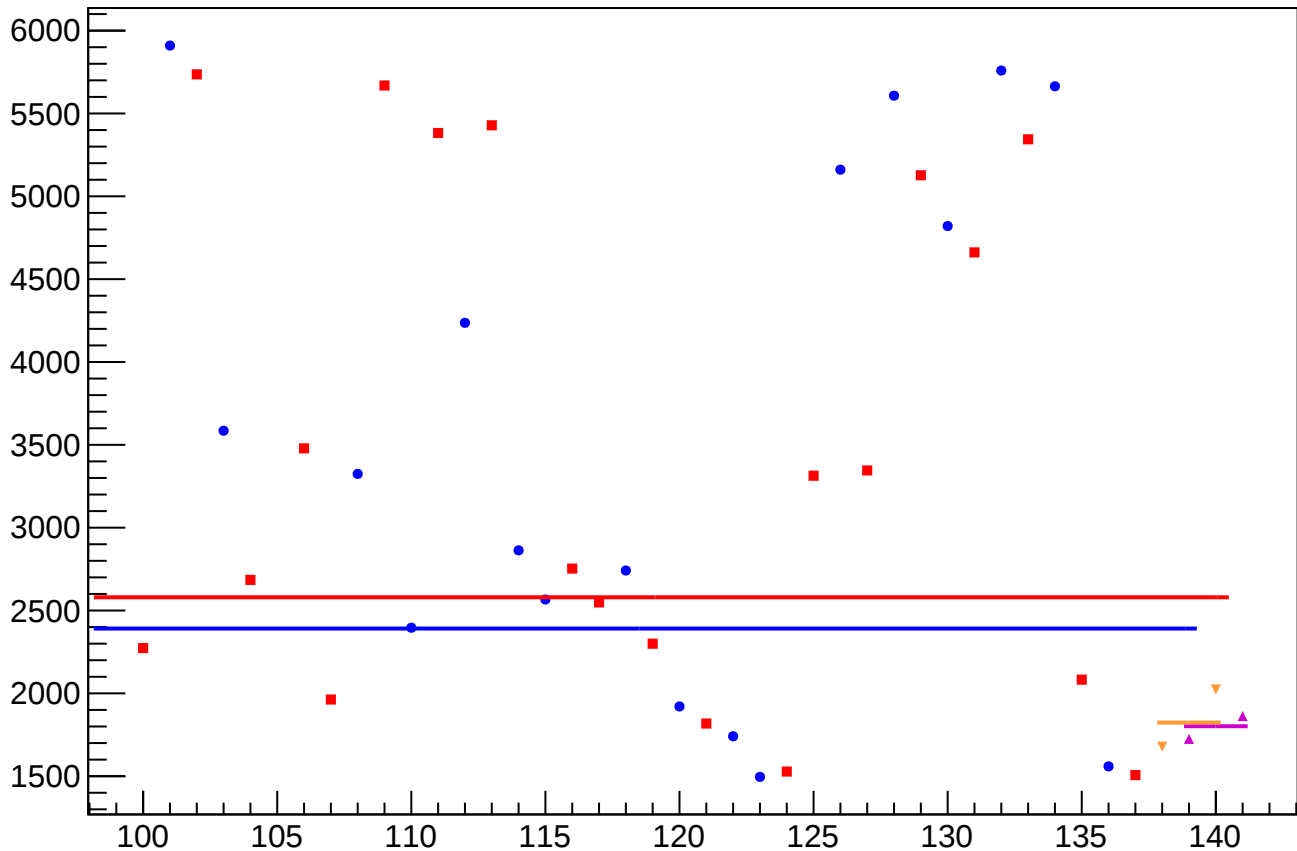
Right Out: 5.689 ± 1.087 $\chi^2/\text{NDF}: 456.0/19$

Left In: 18.549 ± 1.513 $\chi^2/\text{NDF}: 3.3/1$

1.468 ± 0.884 $\chi^2/\text{NDF}: 492.7/18$

10.065 ± 0.883 $\chi^2/\text{NDF}: 507.0/21$

diff_bpm0l02Y_rms vs Slug



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

Left Out: 1823.827+/-1.116 χ^2/NDF :23342.2/1

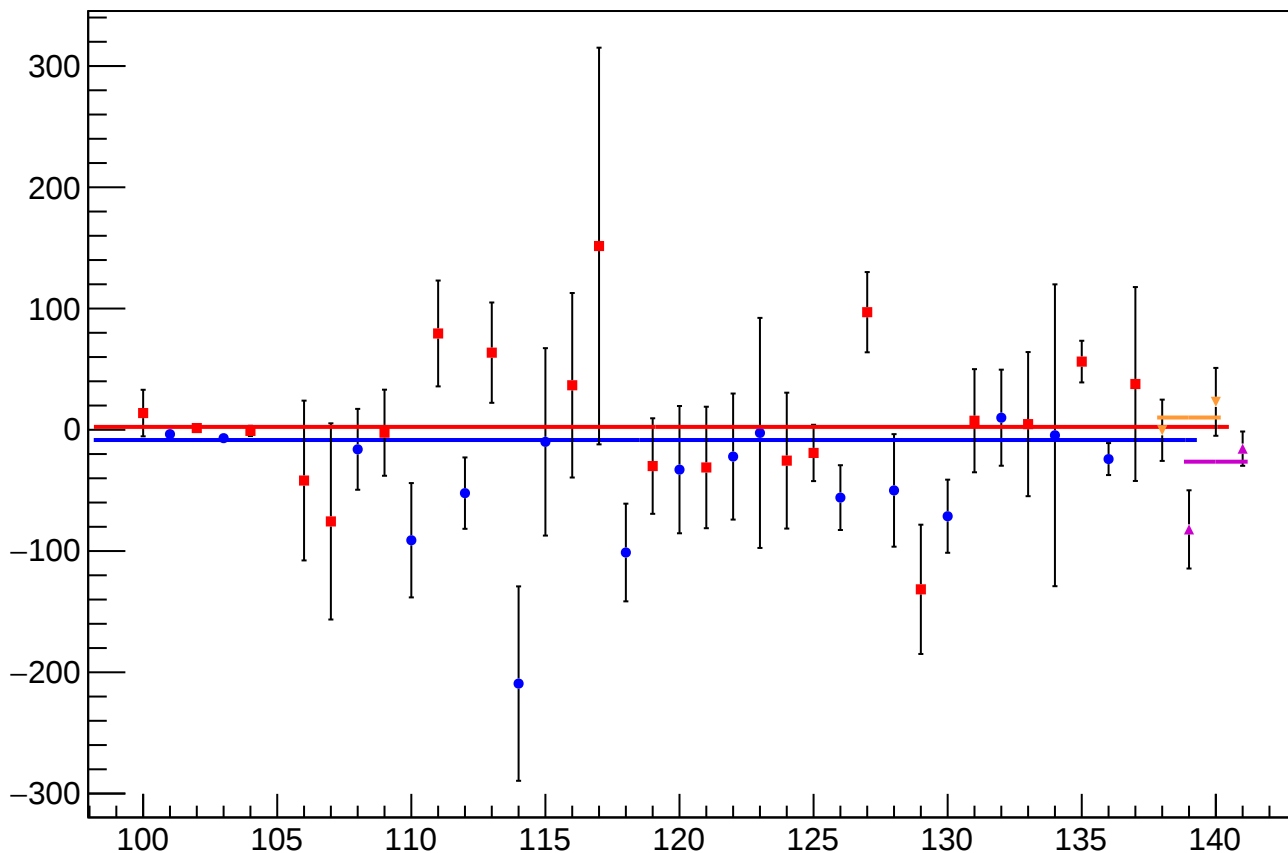
2213.408+/-0.625 χ^2/NDF : 2801226.9/18

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

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

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

diff_bpm0l03X_mean vs Slug



Right In: -8.430 ± 2.587 $\chi^2/\text{NDF}: 28.9/16$

Left Out: 10.131 ± 18.754 $\chi^2/\text{NDF}: 0.4/1$

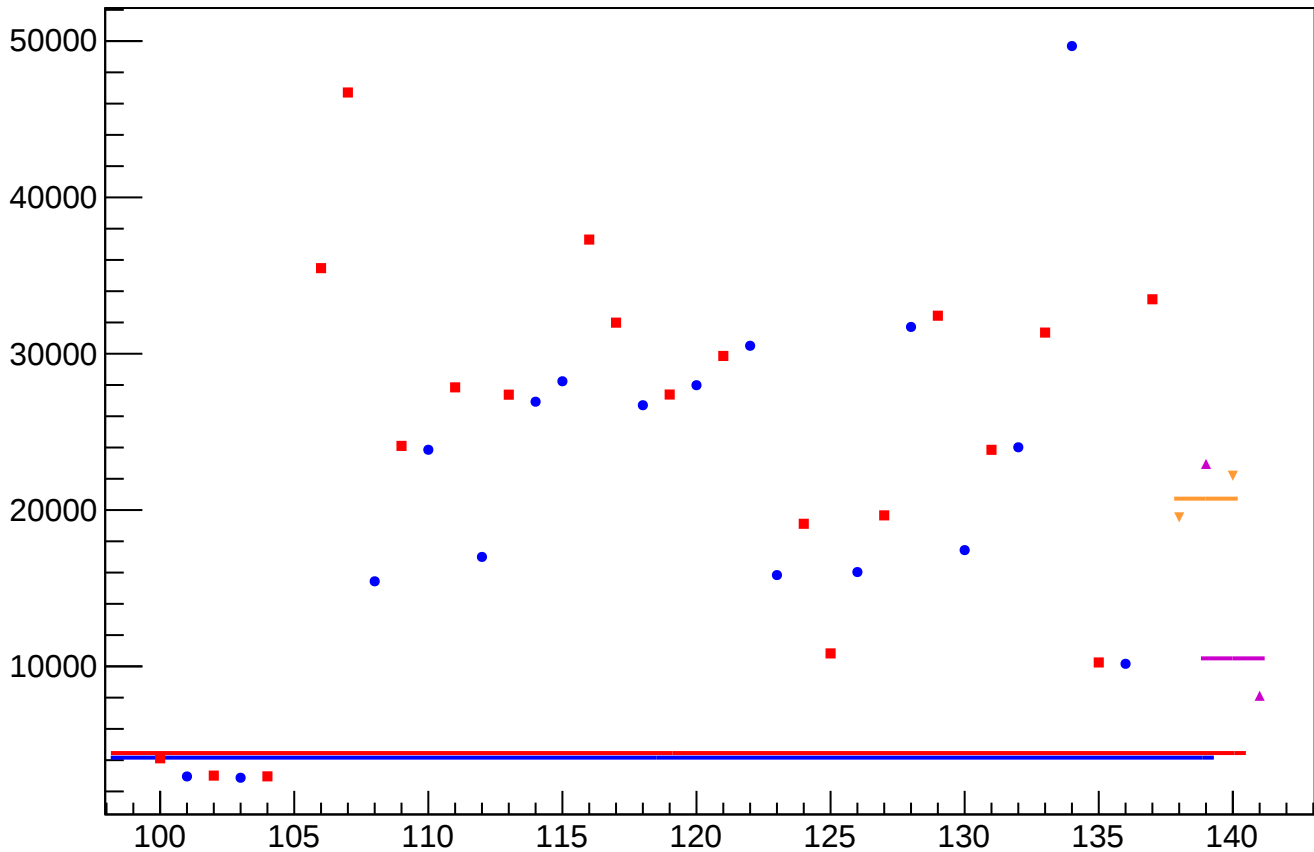
Right Out: 2.392 ± 2.786 $\chi^2/\text{NDF}: 35.5/19$

Left In: -26.297 ± 12.956 $\chi^2/\text{NDF}: 3.6/1$

-8.083 ± 2.563 $\chi^2/\text{NDF}: 30.2/18$

1.123 ± 2.724 $\chi^2/\text{NDF}: 43.8/21$

diff_bpm0l03X_rms vs Slug



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

Left Out: 20728.734+/-13.261 χ^2/NDF :9962.2/1

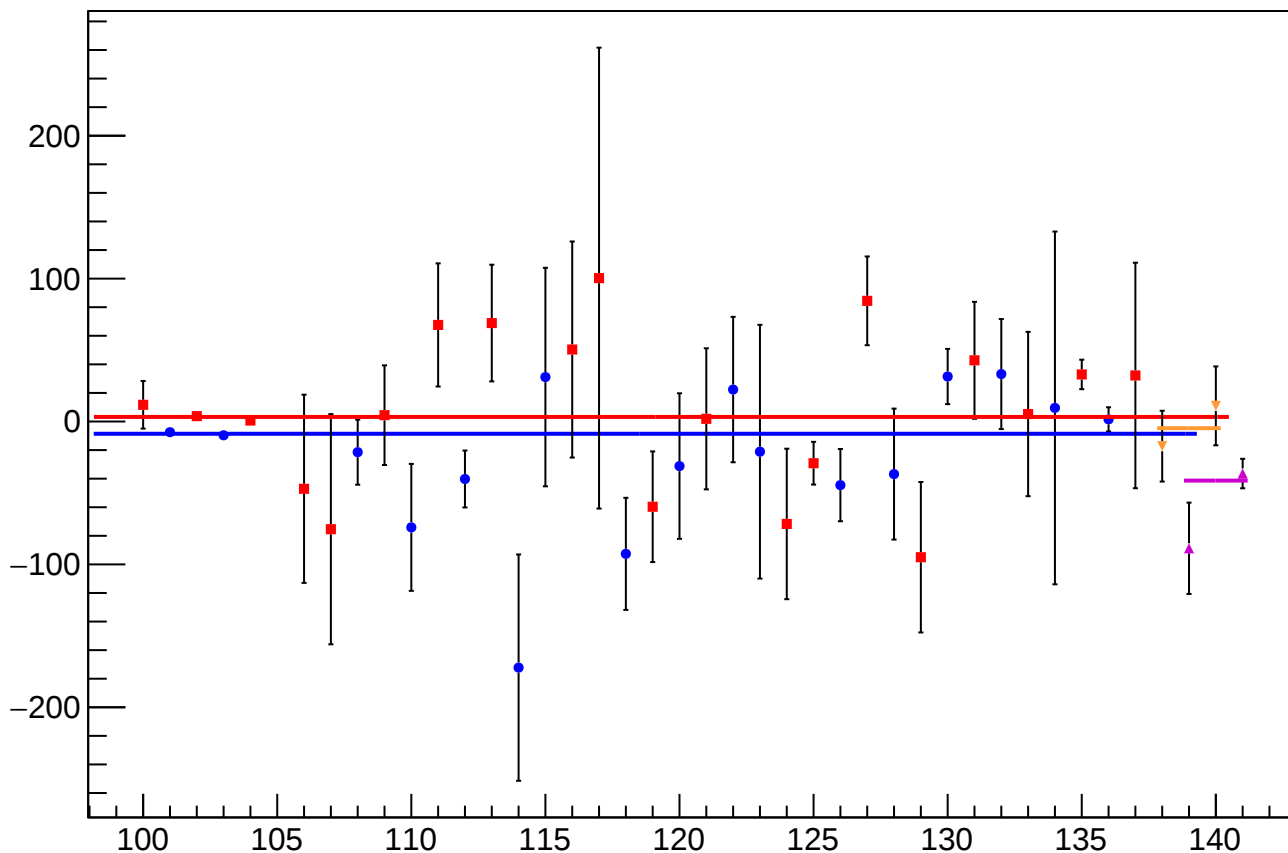
Right Out: 4455.114+/-1.970 χ^2/NDF : 7483602.5/19

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

4471.756+/-1.812 χ^2/NDF : 7531460.7/18

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: -4.683 ± 18.434 $\chi^2/\text{NDF}: 0.6/1$

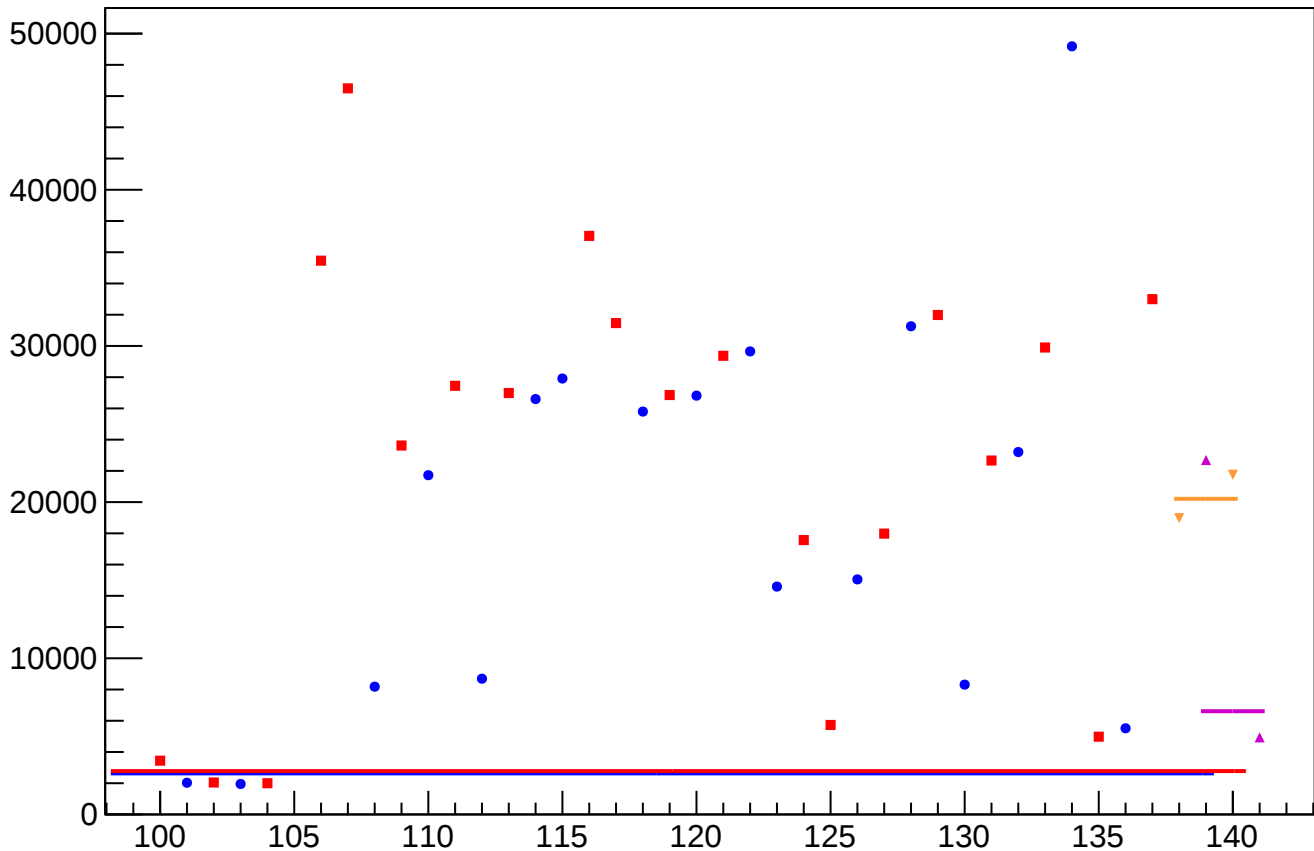
Right Out: 3.208 ± 1.922 $\chi^2/\text{NDF}: 37.2/19$

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

-8.550 ± 1.770 $\chi^2/\text{NDF}: 25.0/18$

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

diff_bpm0l03Y_rms vs Slug



Right In: 2630.547 ± 1.257 $\chi^2/\text{NDF}: 5588981.6/16$

Left Out: 20211.294 ± 13.035 $\chi^2/\text{NDF}: 11232.1/1$

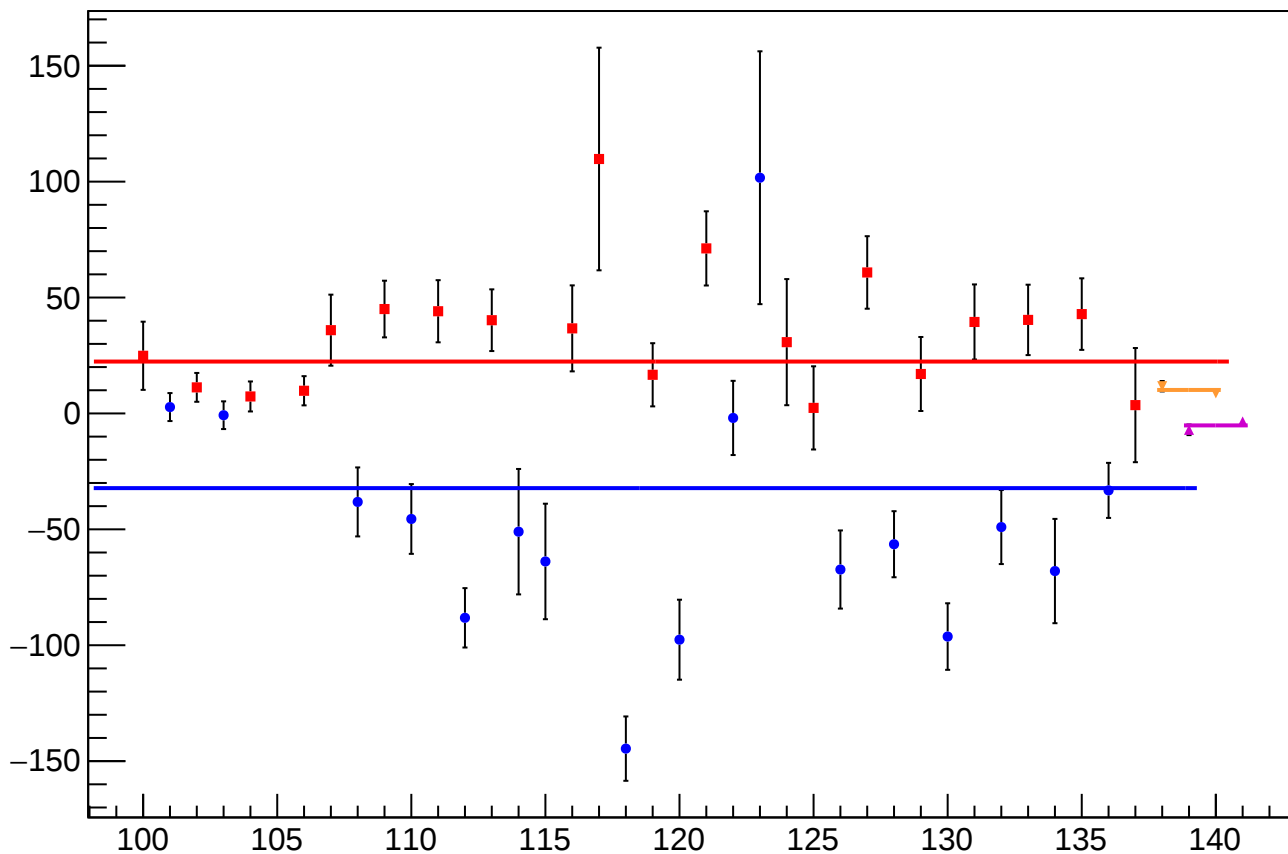
Right Out: 2777.521 ± 1.359 $\chi^2/\text{NDF}: 7899165.0/19$

Left In: 6609.969 ± 6.939 $\chi^2/\text{NDF}: 558900.3/1$

2792.548 ± 1.251 $\chi^2/\text{NDF}: 7402581.5/18$

2919.107 ± 1.334 $\chi^2/\text{NDF}: 8751813.5/21$

diff_bpm0l04X_mean vs Slug



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

Left Out: 10.128 ± 1.554 χ^2/NDF : 1.0/1

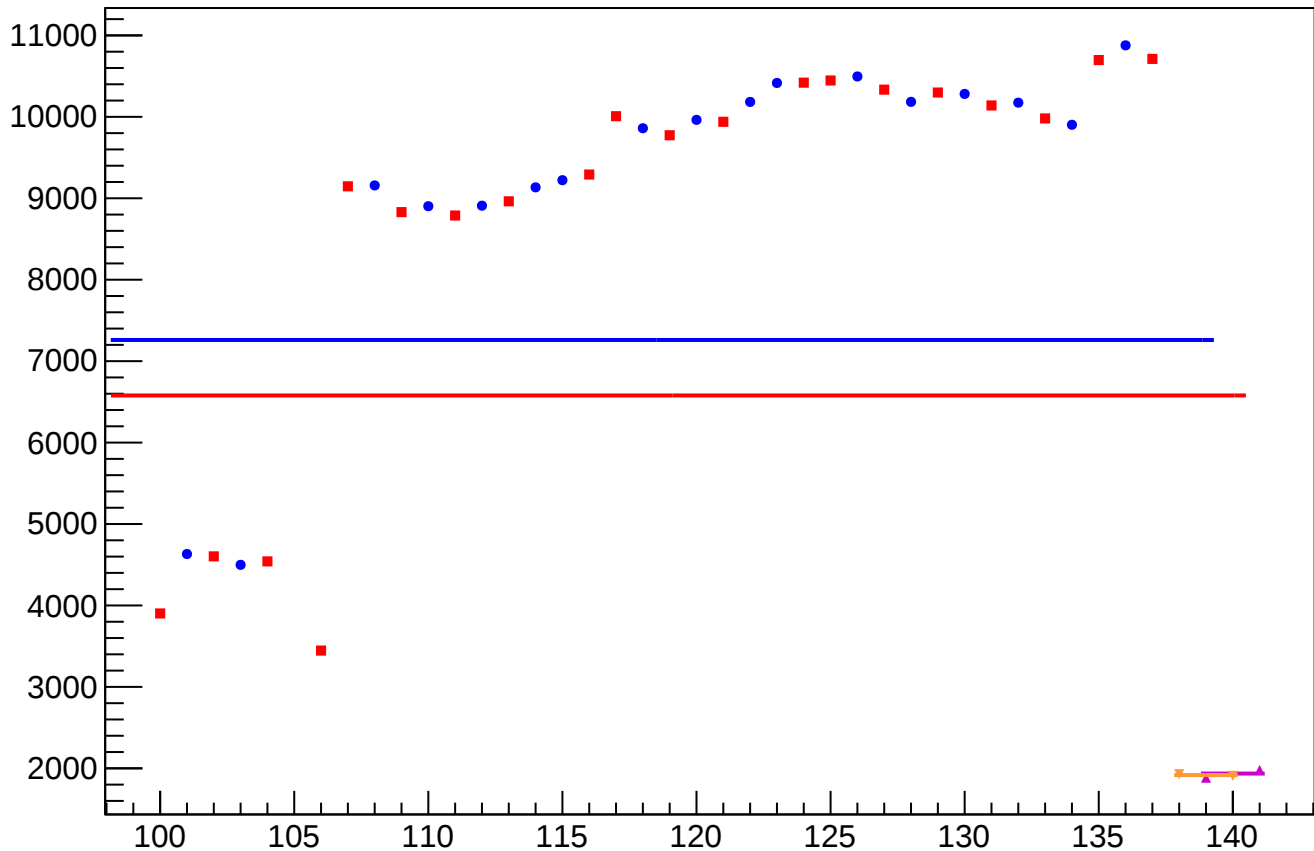
Right Out: 22.381 ± 2.665 χ^2/NDF : 47.0/19

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

1.080 ± 1.378 χ^2/NDF : 363.3/18

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: 1917.196+/-1.099 χ^2/NDF :85.3/1

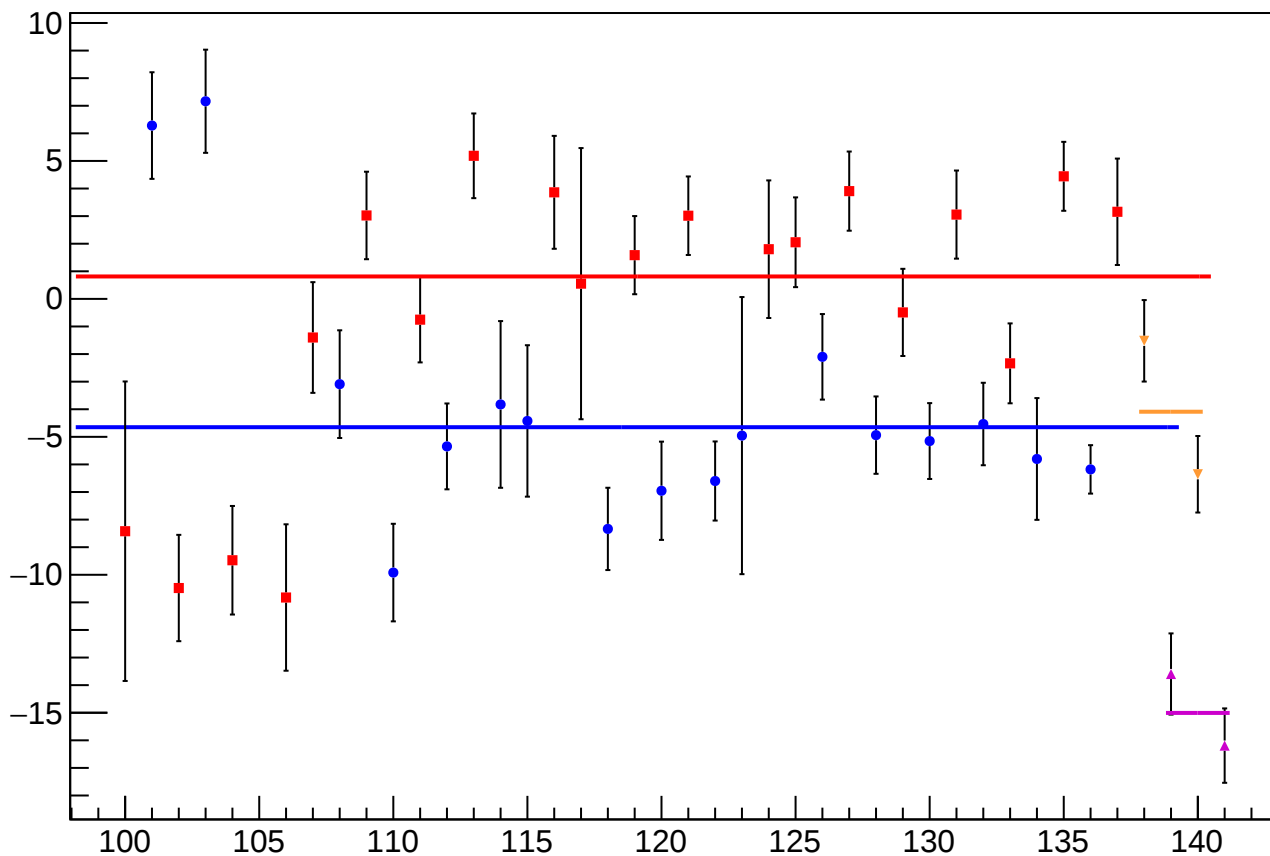
Right Out: 6578.773+/-1.885 χ^2/NDF : 2206772.9/19

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

3058.742+/-0.974 χ^2/NDF : 6687180.9/18

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

diff_bpm0l04Y_mean vs Slug



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

Left Out: -4.090 $\pm$ 1.011 χ^2/NDF : 5.7/1

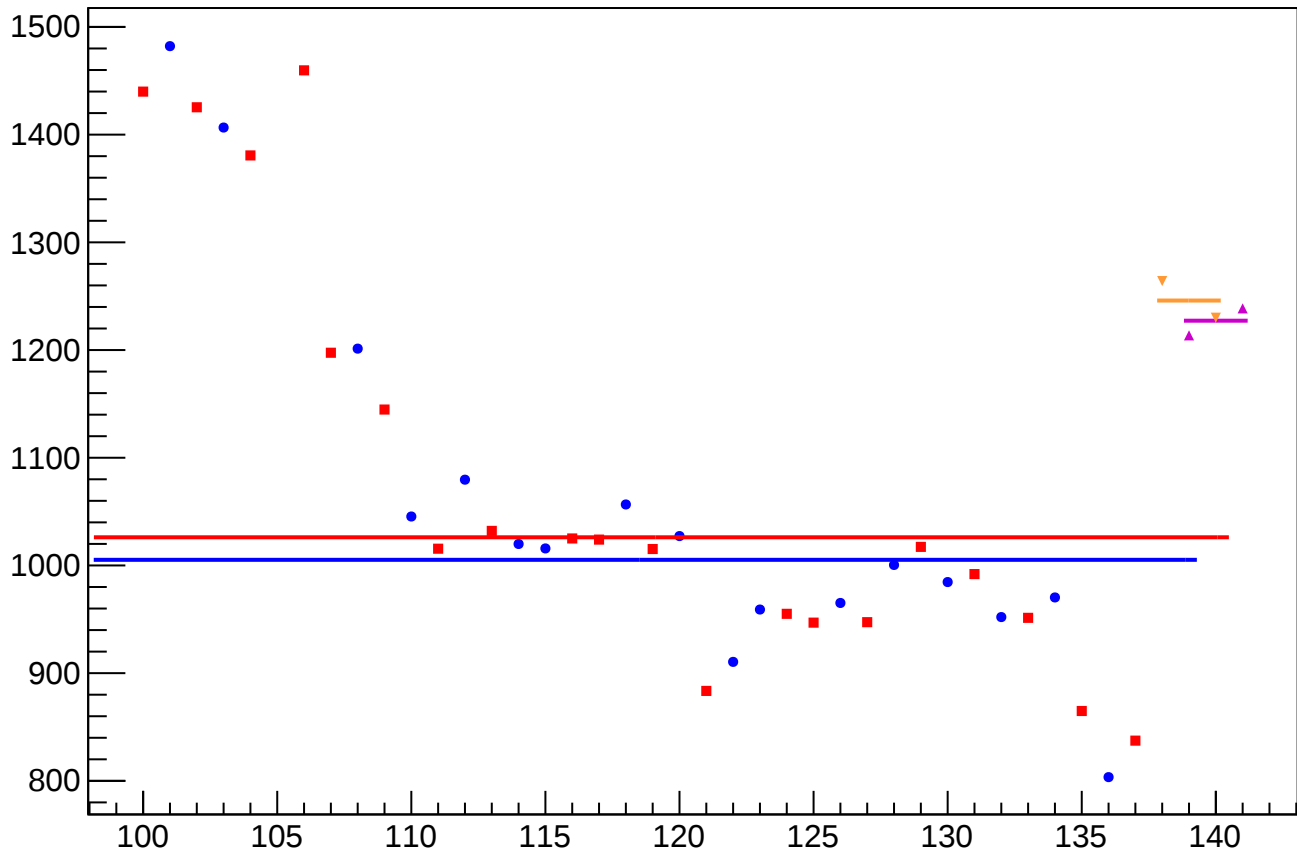
Right Out: 0.813 $\pm$ 0.387 χ^2/NDF : 123.7/19

Left In: -15.007 $\pm$ 0.994 χ^2/NDF : 1.7/1

-4.577 $\pm$ 0.366 χ^2/NDF : 103.5/18

-1.272 $\pm$ 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: 1245.966+/-0.715 χ^2/NDF : 563.6/1

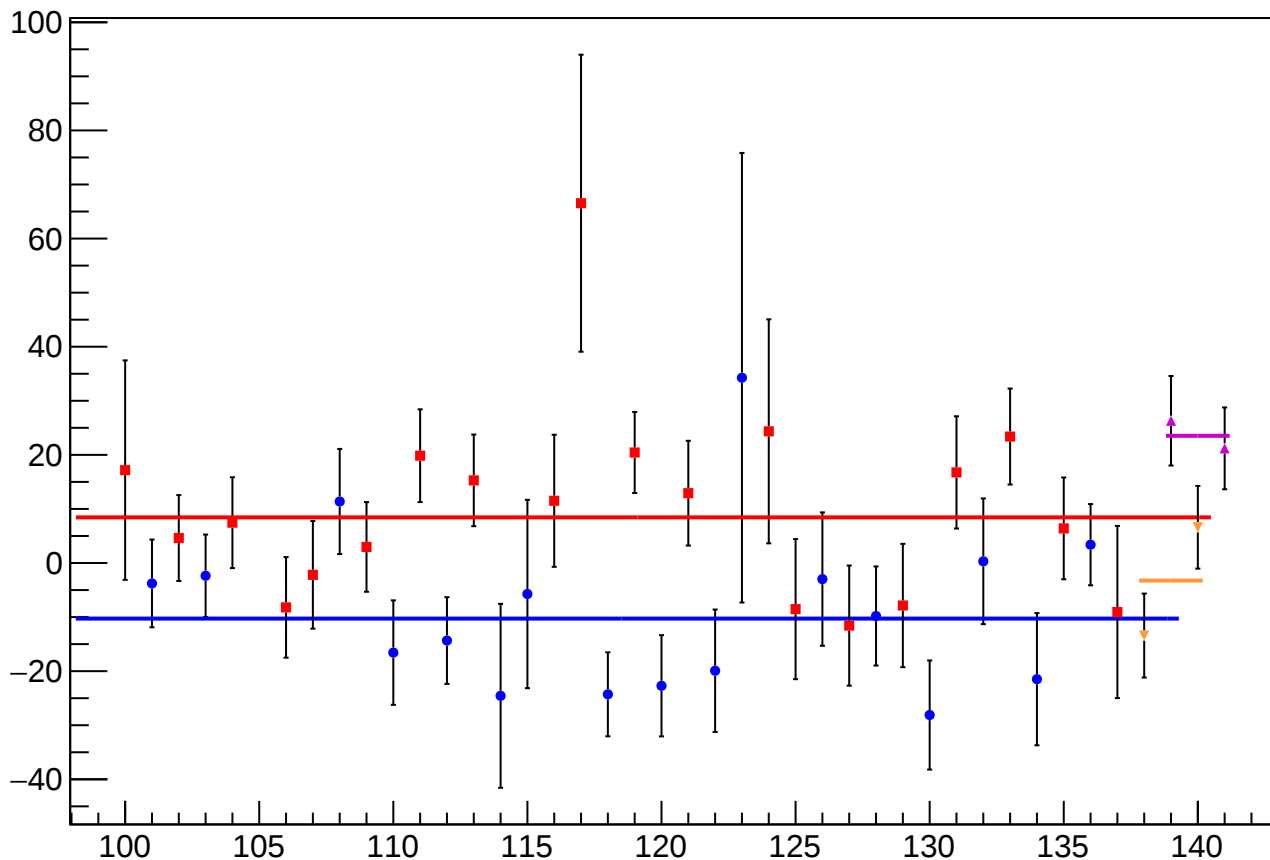
Right Out: 1026.145+/-0.274 χ^2/NDF : 333119.4/19

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

1036.777+/-0.259 χ^2/NDF : 461060.0/18

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: -3.249 ± 5.448 $\chi^2/\text{NDF}: 3.4/1$

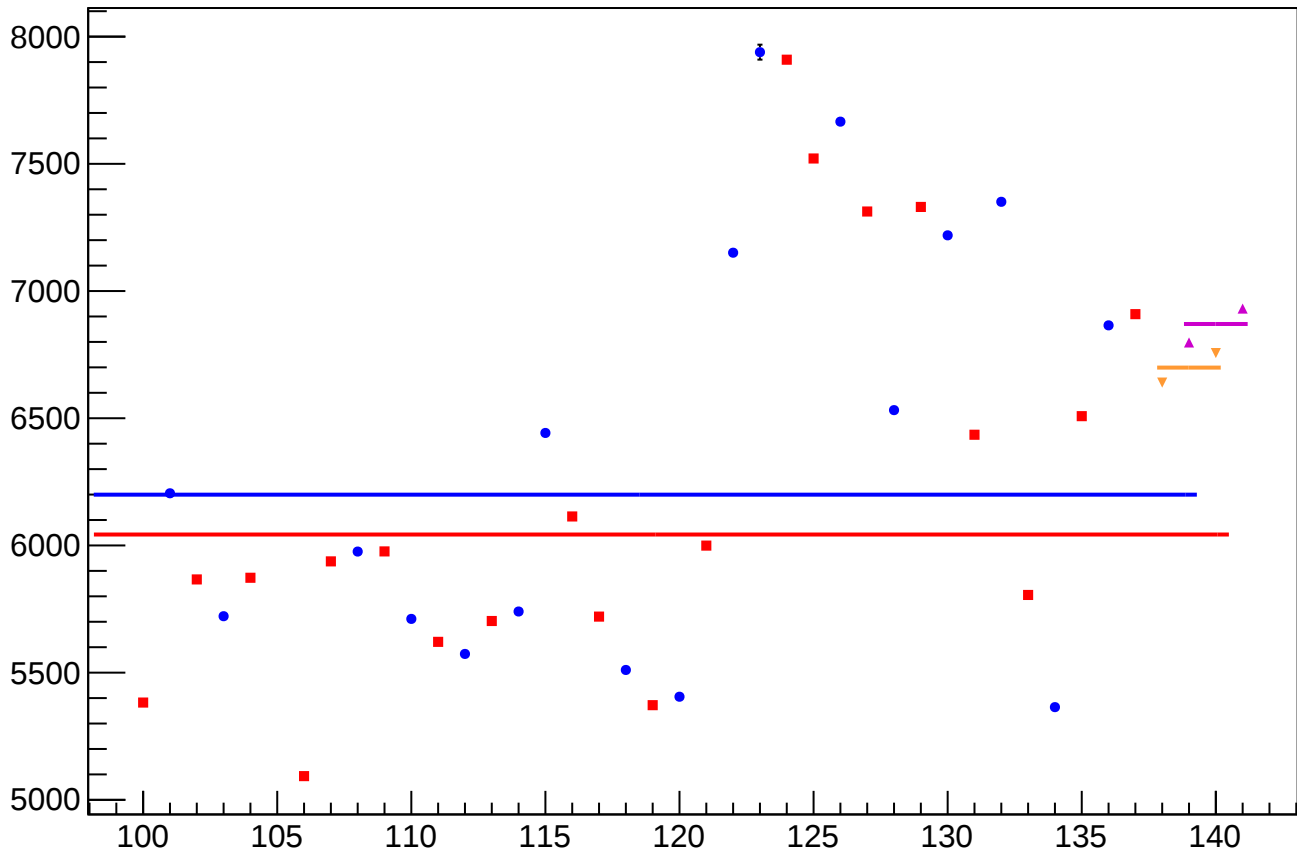
Right Out: 8.441 ± 2.271 $\chi^2/\text{NDF}: 27.3/19$

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

-9.129 ± 2.202 $\chi^2/\text{NDF}: 28.2/18$

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

diff_bpm0l05X_rms vs Slug



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

Left Out: 6699.089 $\pm$ 3.852 χ^2 /NDF:227.0/1

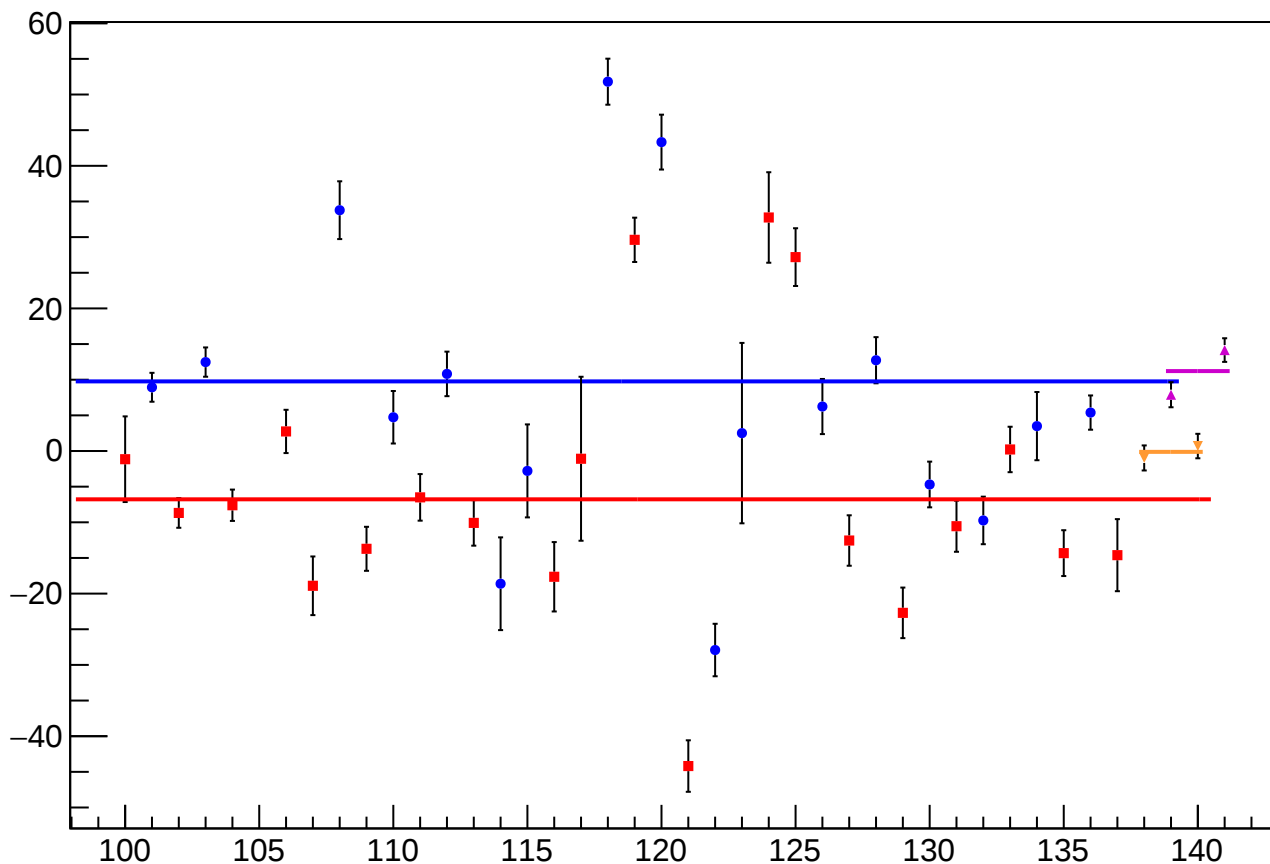
Right Out: 6042.952 $\pm$ 1.606 χ^2 /NDF: 158600.9/19

Left In: 6870.477 $\pm$ 3.949 χ^2 /NDF:282.1/1

6281.243 $\pm$ 1.557 χ^2 /NDF: 186051.9/18

6160.329 $\pm$ 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: -0.119 ± 1.227 χ^2/NDF : 0.5/1

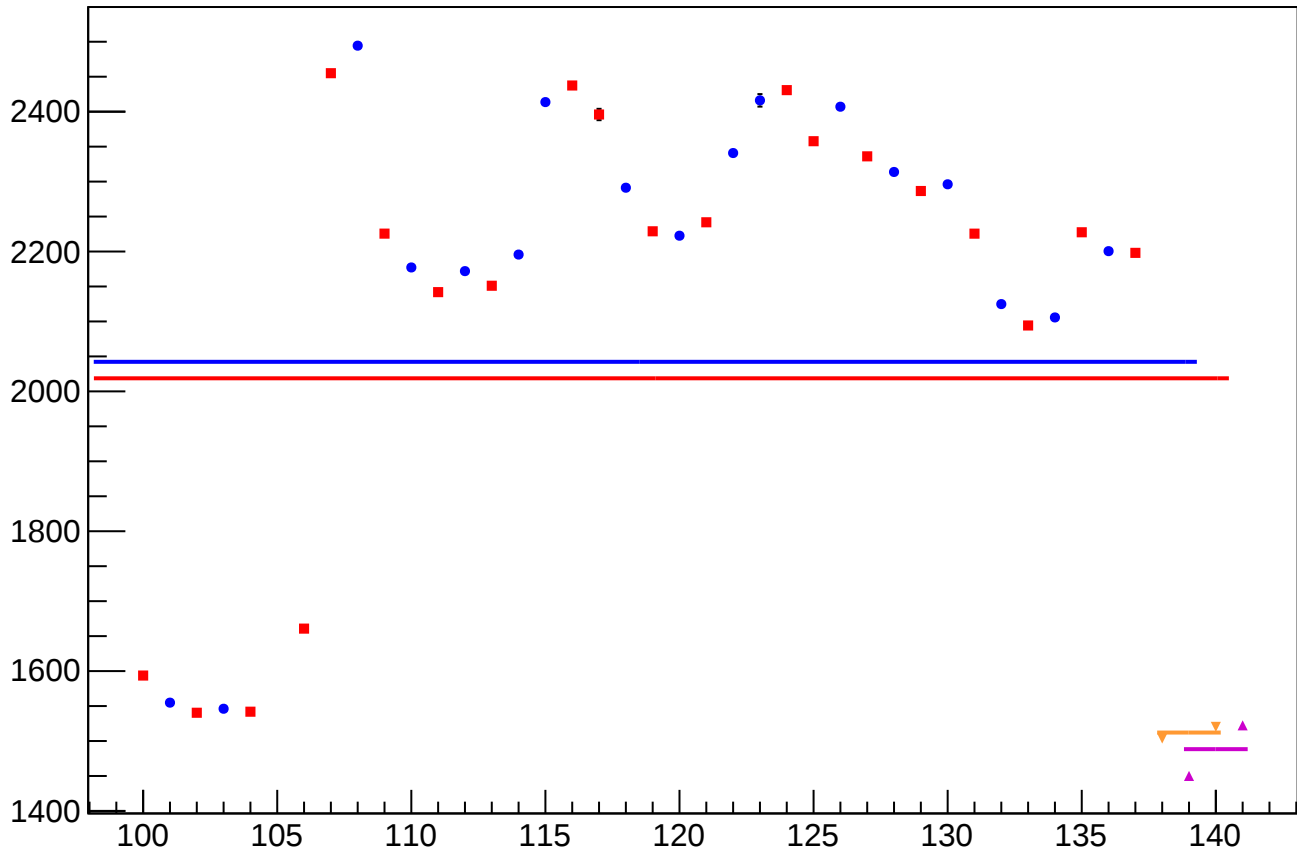
Right Out: -6.776 ± 0.763 χ^2/NDF : 422.1/19

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

6.834 ± 0.668 χ^2/NDF : 519.8/18

-1.634 ± 0.645 χ^2/NDF : 587.6/21

diff_bpm0l05Y_rms vs Slug



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

Left Out: 1512.113 $\pm$ 0.868 χ^2/NDF : 91.8/1

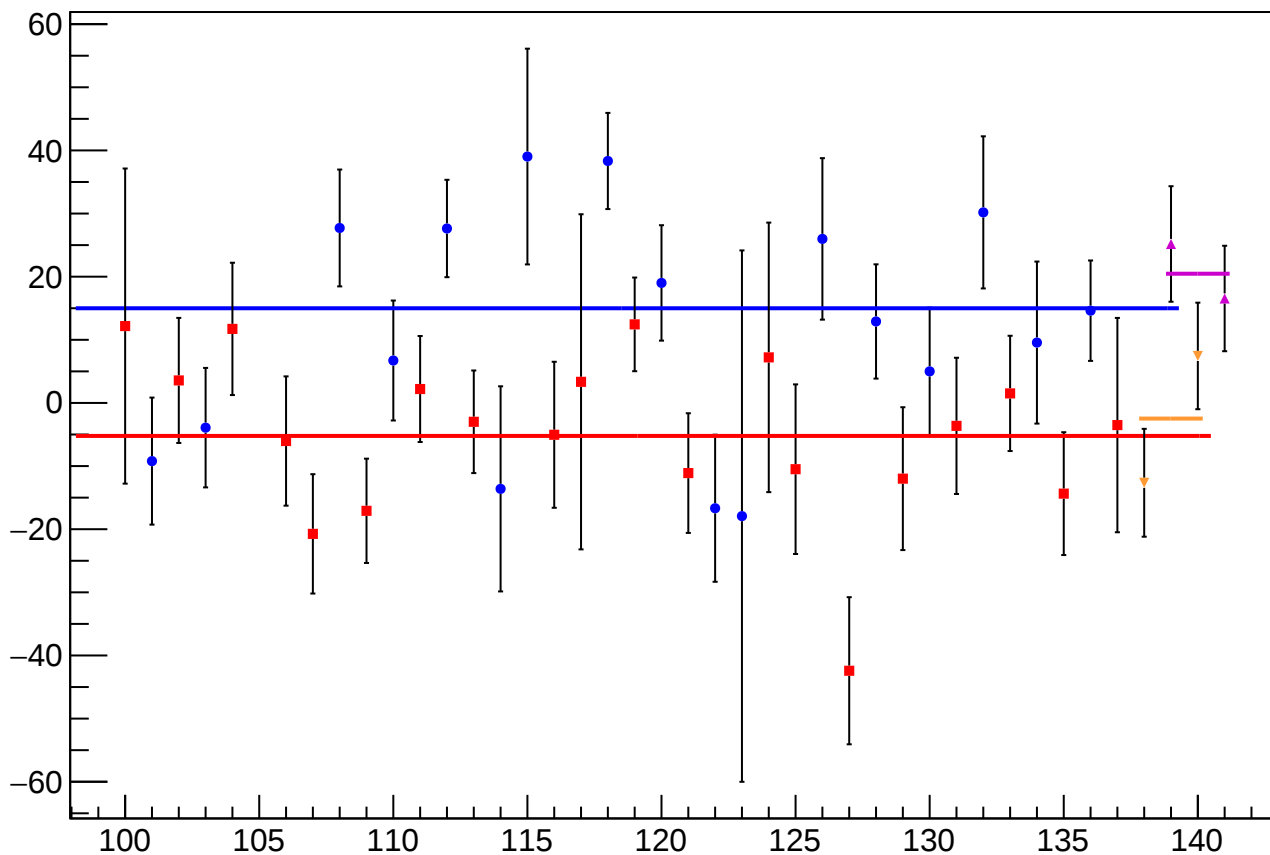
Right Out: 2018.694 $\pm$ 0.540 χ^2/NDF : 377792.4/19

Left In: 1488.369 $\pm$ 0.853 χ^2/NDF : 1792.8/1

1885.090 $\pm$ 0.473 χ^2/NDF : 619381.6/18

1867.082 $\pm$ 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: -2.476+/-6.003 χ^2/NDF : 2.8/1

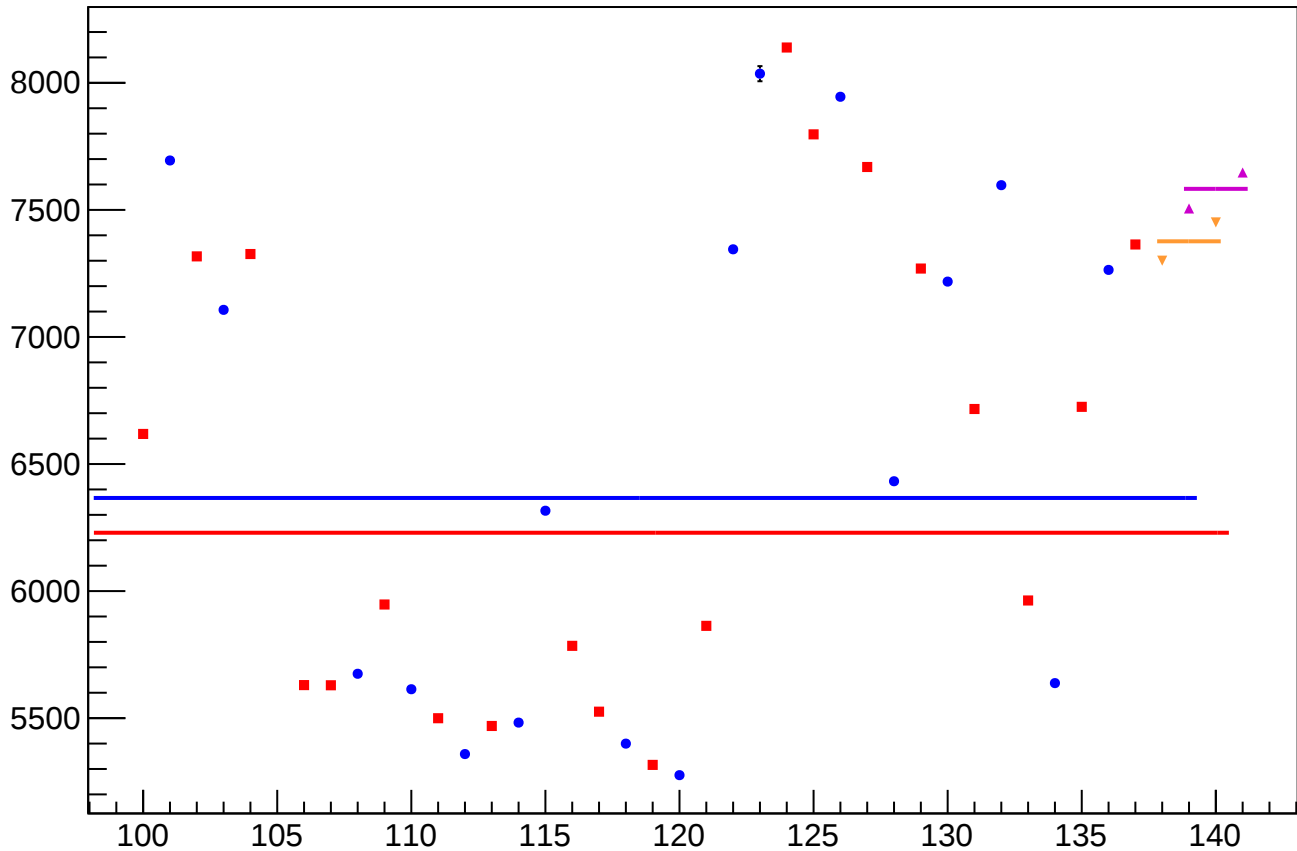
Right Out: -5.223+/-2.348 χ^2/NDF : 28.2/19

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

12.440+/-2.296 χ^2/NDF : 51.3/18

-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: 7376.428+/-4.245 χ^2/NDF : 314.6/1

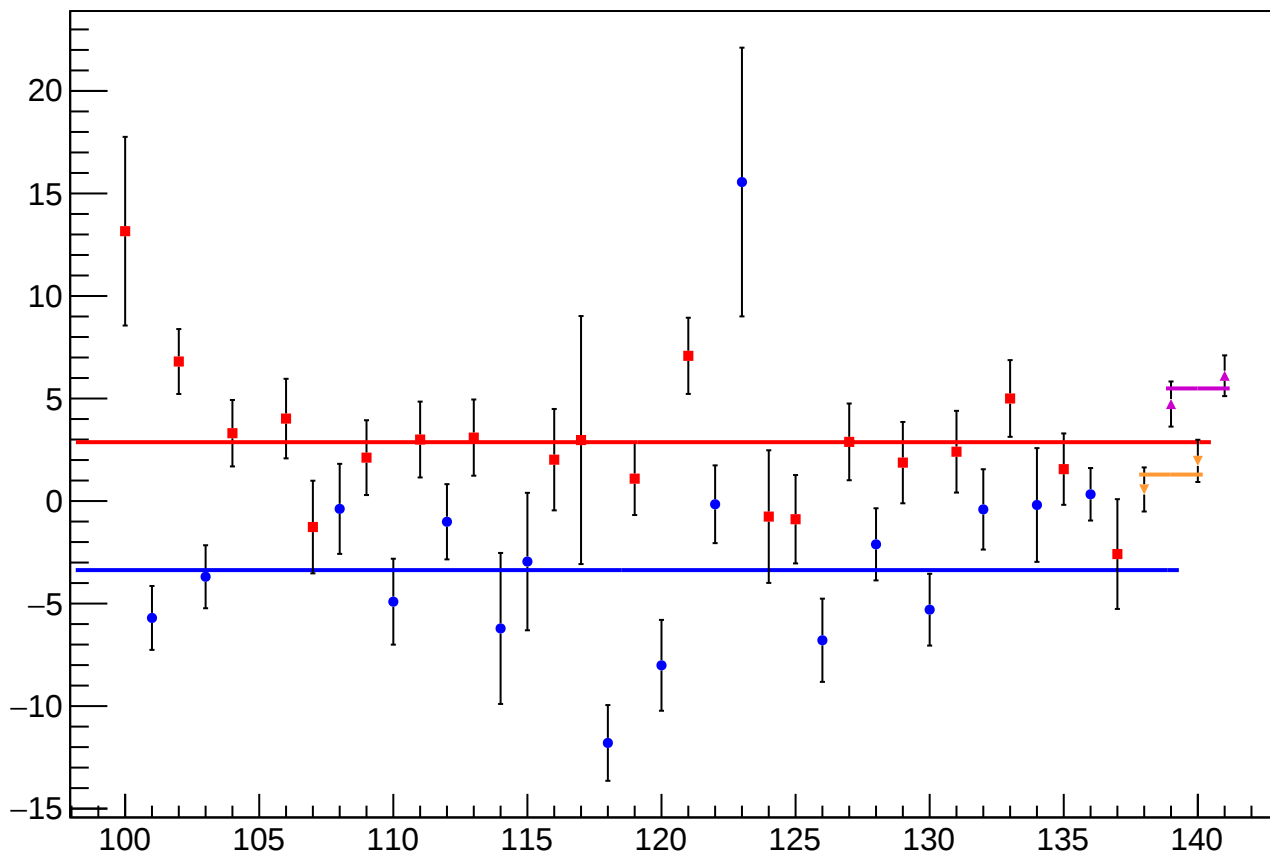
Right Out: 6229.625+/-1.660 χ^2/NDF : 244622.7/19

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

6514.259+/-1.624 χ^2/NDF : 335130.8/18

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: 1.292 ± 0.744 χ^2/NDF : 0.9/1

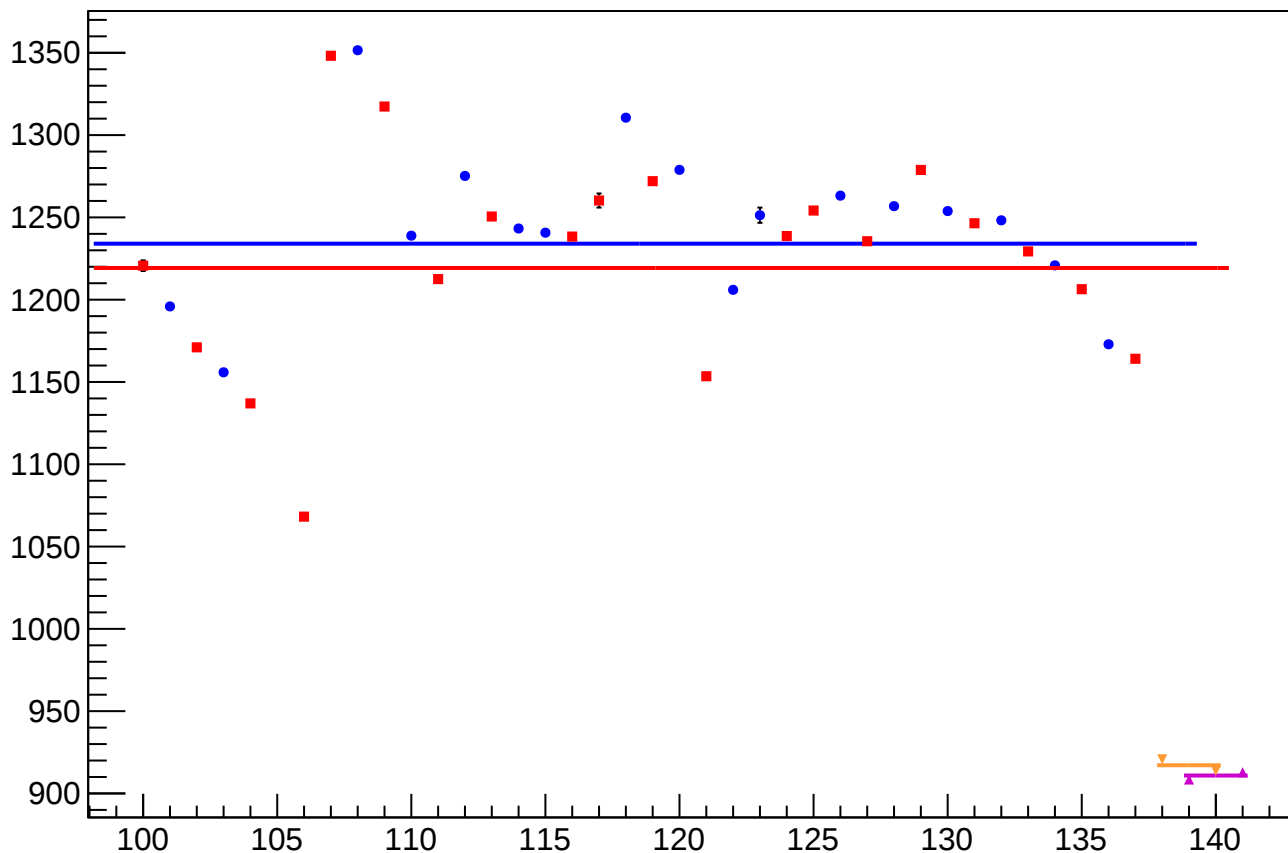
Right Out: 2.871 ± 0.455 χ^2/NDF : 32.0/19

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

-2.016 ± 0.401 χ^2/NDF : 88.6/18

3.594 ± 0.387 χ^2/NDF : 42.1/21

diff_bpm0l06Y_rms vs Slug



Right In: 1234.032+/-0.336 χ^2/NDF : 23565.3/16

Left Out: 917.142+/-0.526 χ^2/NDF : 42.9/1

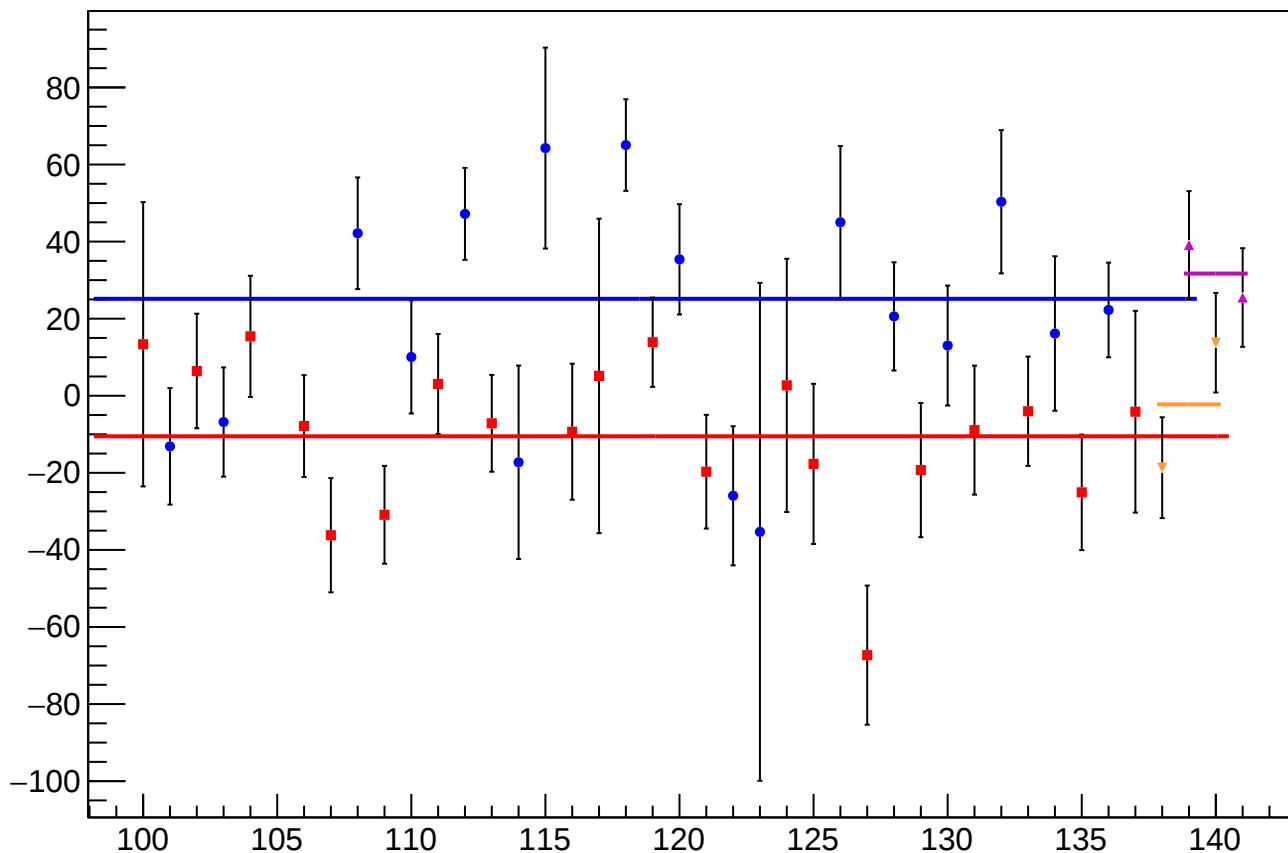
Right Out: 1219.275+/-0.322 χ^2/NDF : 40462.8/19

Left In: 910.887+/-0.521 χ^2/NDF : 17.6/1

1142.069+/-0.283 χ^2/NDF : 281360.8/18

1134.227+/-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: -2.237+/-9.188 χ^2 /NDF: 3.1/1

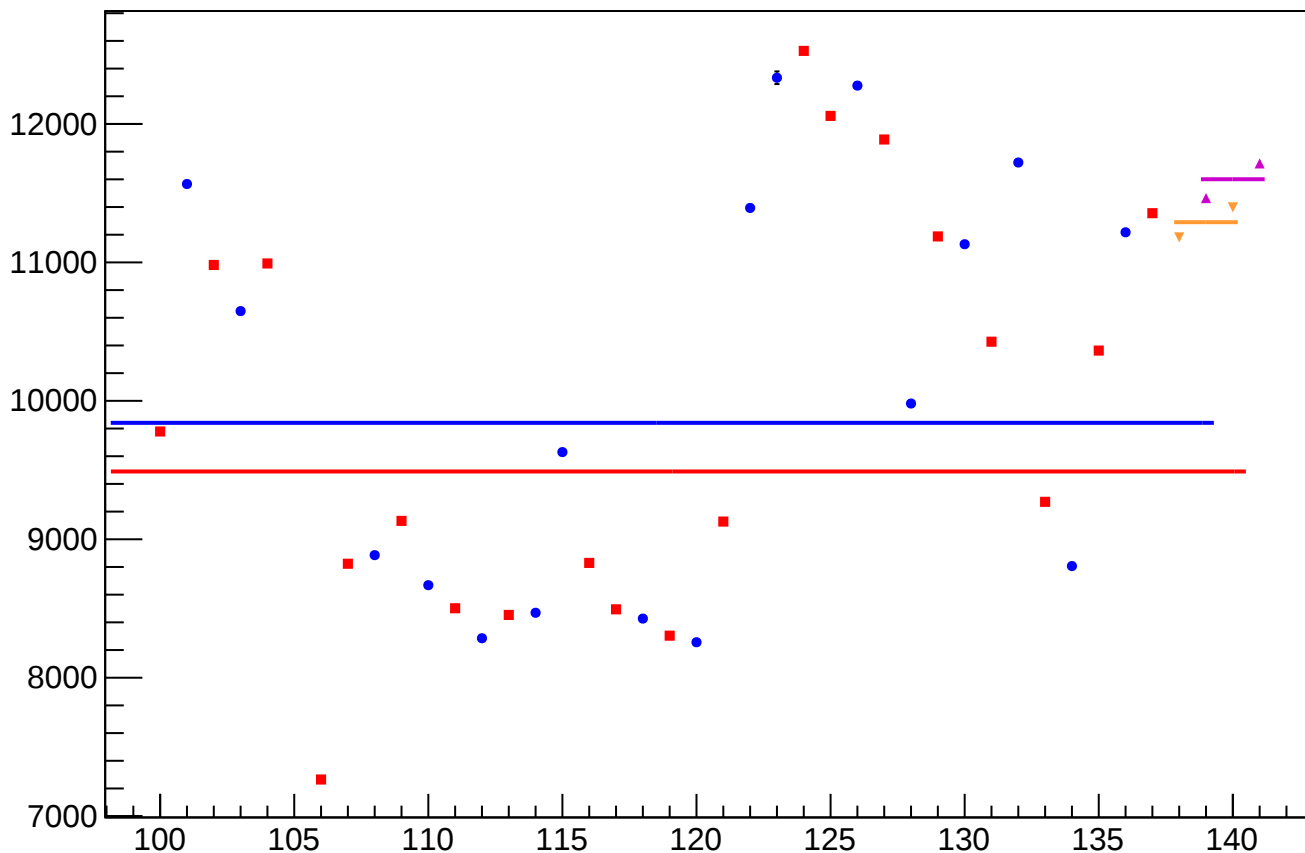
Right Out: -10.513+/-3.581 χ^2 /NDF: 27.8/19

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

21.081+/-3.541 χ^2 /NDF: 57.6/18

-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: 11290.618+/-6.497 χ^2/NDF : 278.0/1

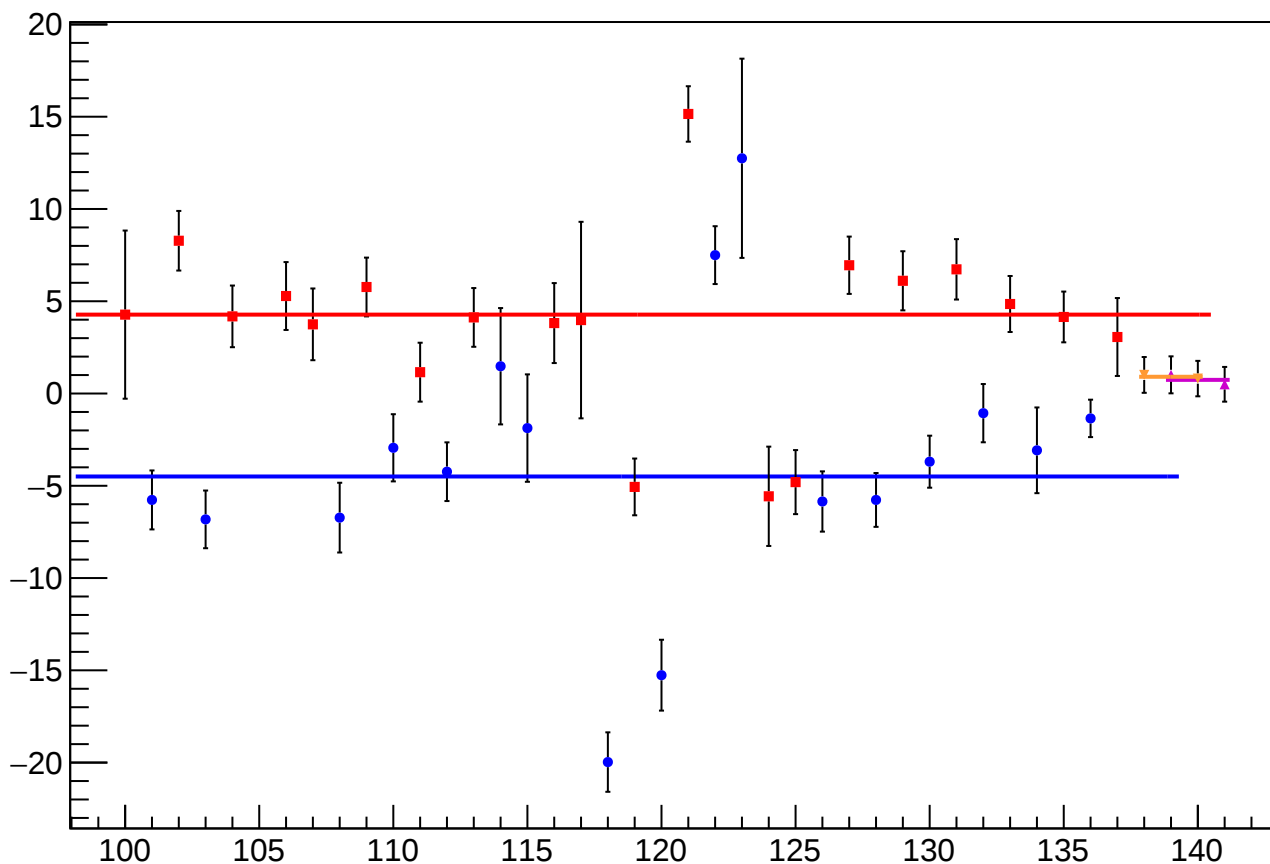
Right Out: 9489.753+/-2.532 χ^2/NDF : 277900.5/19

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

10056.457+/-2.504 χ^2/NDF : 302721.4/18

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: 0.907 ± 0.683 χ^2/NDF : 0.0/1

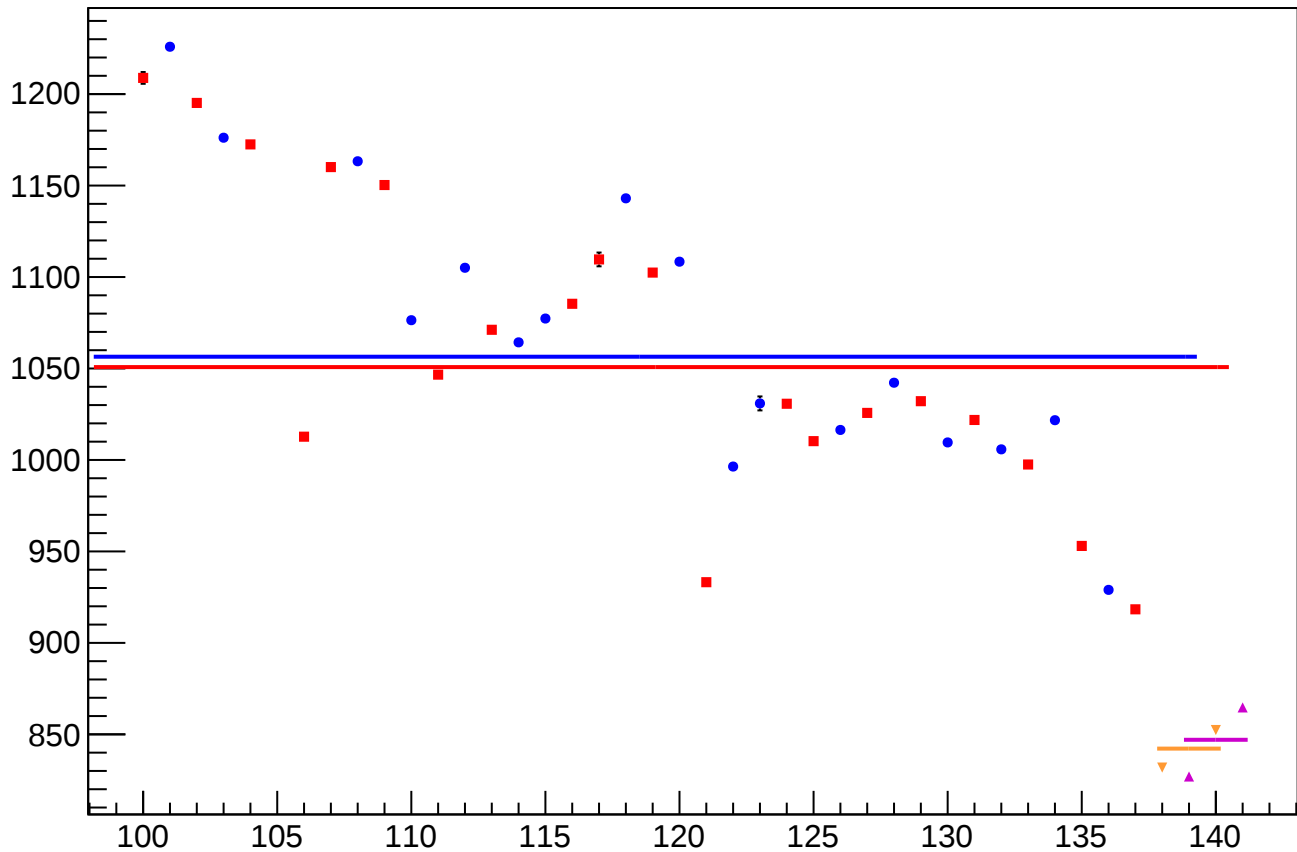
Right Out: 4.275 ± 0.393 χ^2/NDF : 148.2/19

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

-3.073 ± 0.350 χ^2/NDF : 264.6/18

3.402 ± 0.341 χ^2/NDF : 168.4/21

diff_bpm0l07Y_rms vs Slug



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

Left Out: 842.208 $\pm$ 0.483 χ^2 /NDF: 452.2/1

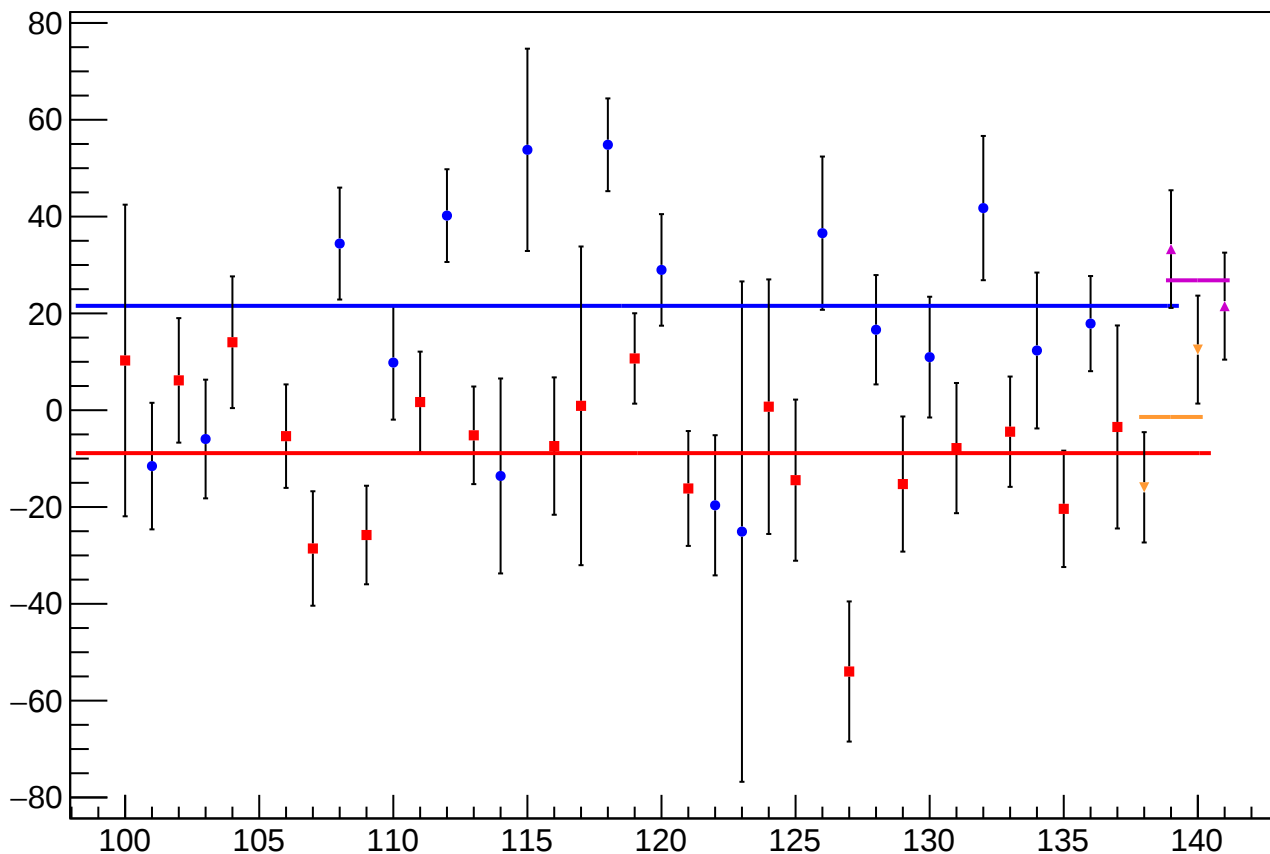
Right Out: 1050.765 $\pm$ 0.278 χ^2 /NDF: 82642.2/19

Left In: 847.029 $\pm$ 0.485 χ^2 /NDF: 1509.0/1

1000.003 $\pm$ 0.248 χ^2 /NDF: 236358.6/18

1000.455 $\pm$ 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: -1.396+/-7.970 χ^2 /NDF: 3.2/1

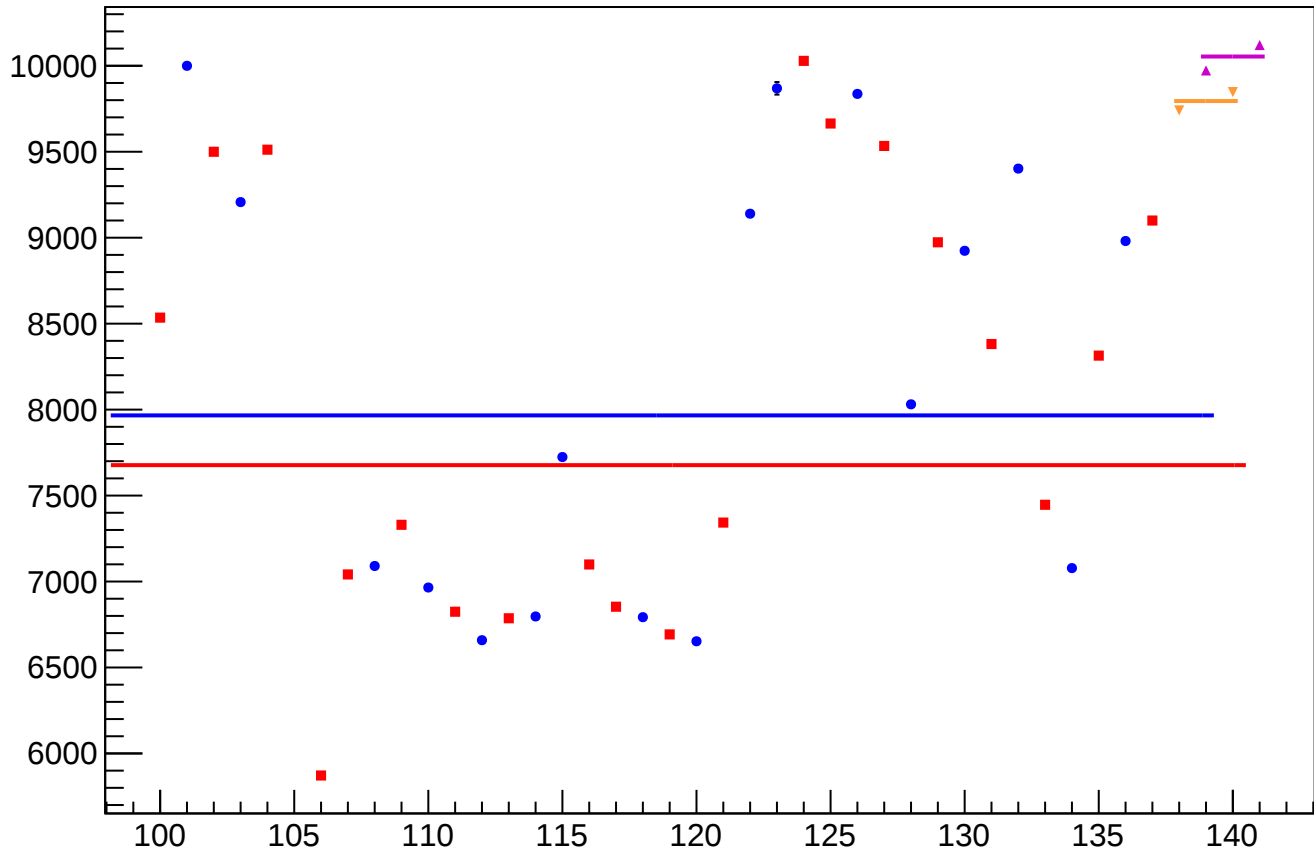
Right Out: -8.867+/-2.901 χ^2 /NDF: 27.5/19

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

18.527+/-2.898 χ^2 /NDF: 58.8/18

-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: 9794.932+/-5.636 χ^2/NDF : 89.3/1

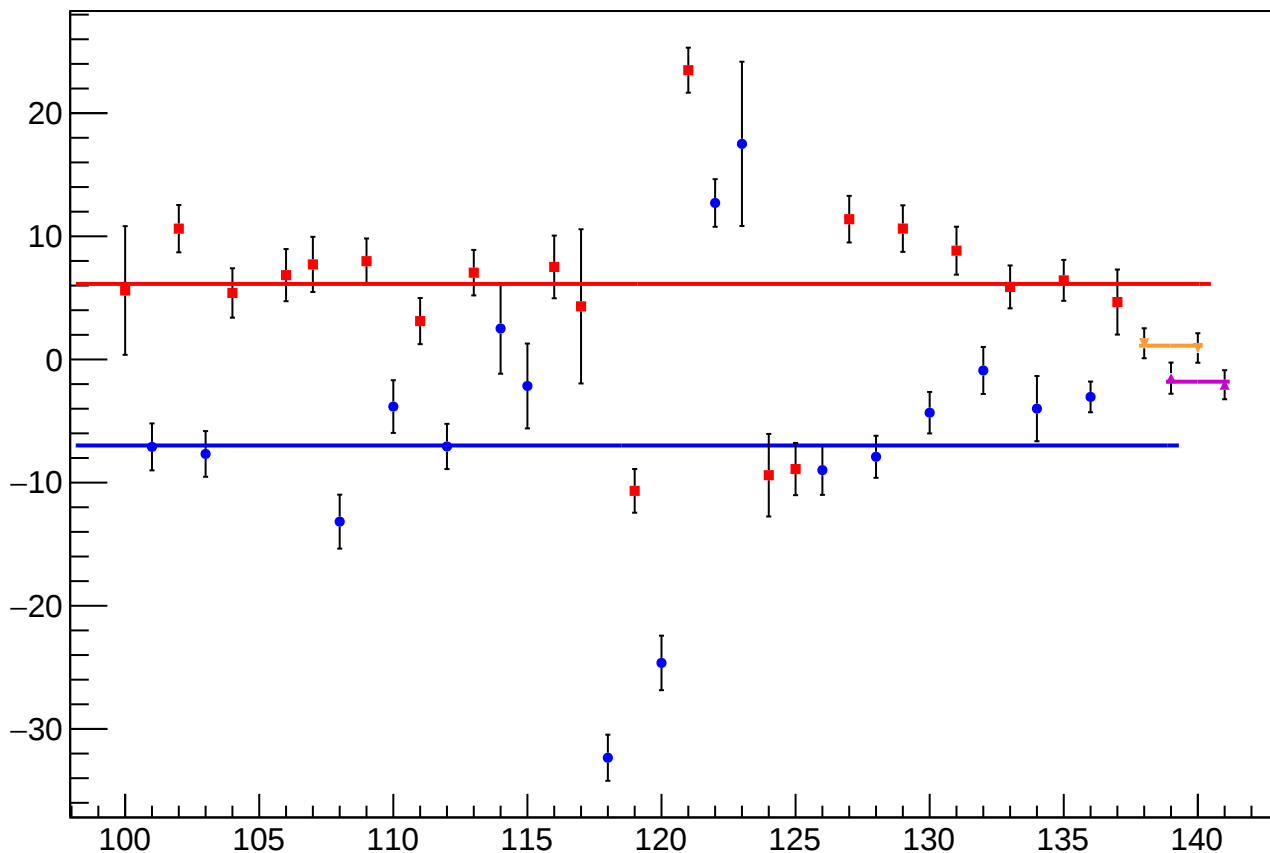
Right Out: 7677.035+/-2.051 χ^2/NDF : 316295.2/19

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

8208.081+/-2.049 χ^2/NDF : 388058.0/18

7942.649+/-1.933 χ^2/NDF : 466534.7/21

diff_bpm0l08Y_mean vs Slug



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

Left Out: 1.121 $\pm$ 0.853 χ^2 /NDF: 0.1/1

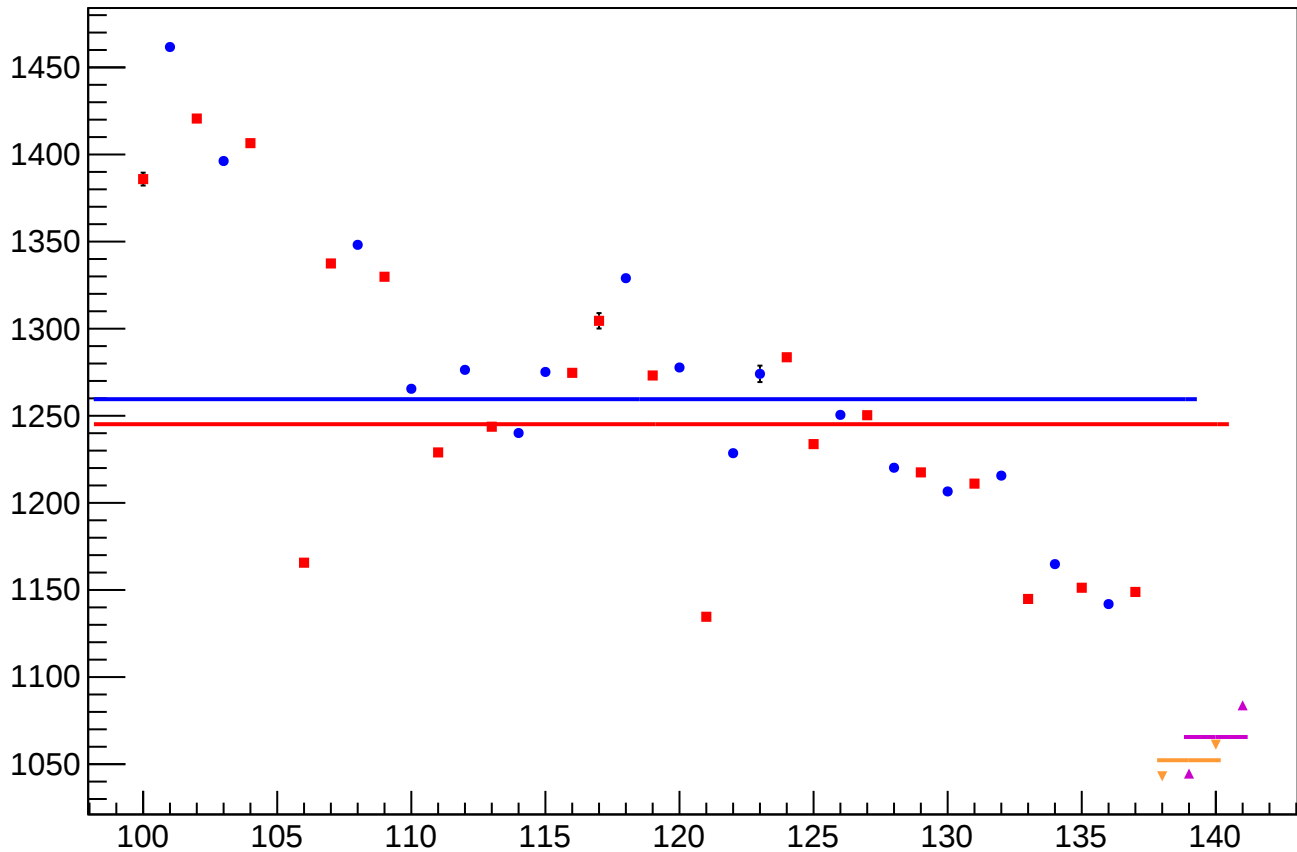
Right Out: 6.135 $\pm$ 0.465 χ^2 /NDF: 277.6/19

Left In: -1.804 $\pm$ 0.863 χ^2 /NDF: 0.1/1

-4.997 $\pm$ 0.422 χ^2 /NDF: 476.7/18

4.348 $\pm$ 0.410 χ^2 /NDF: 343.2/21

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1052.255 $\pm$ 0.603 χ^2 /NDF:225.8/1

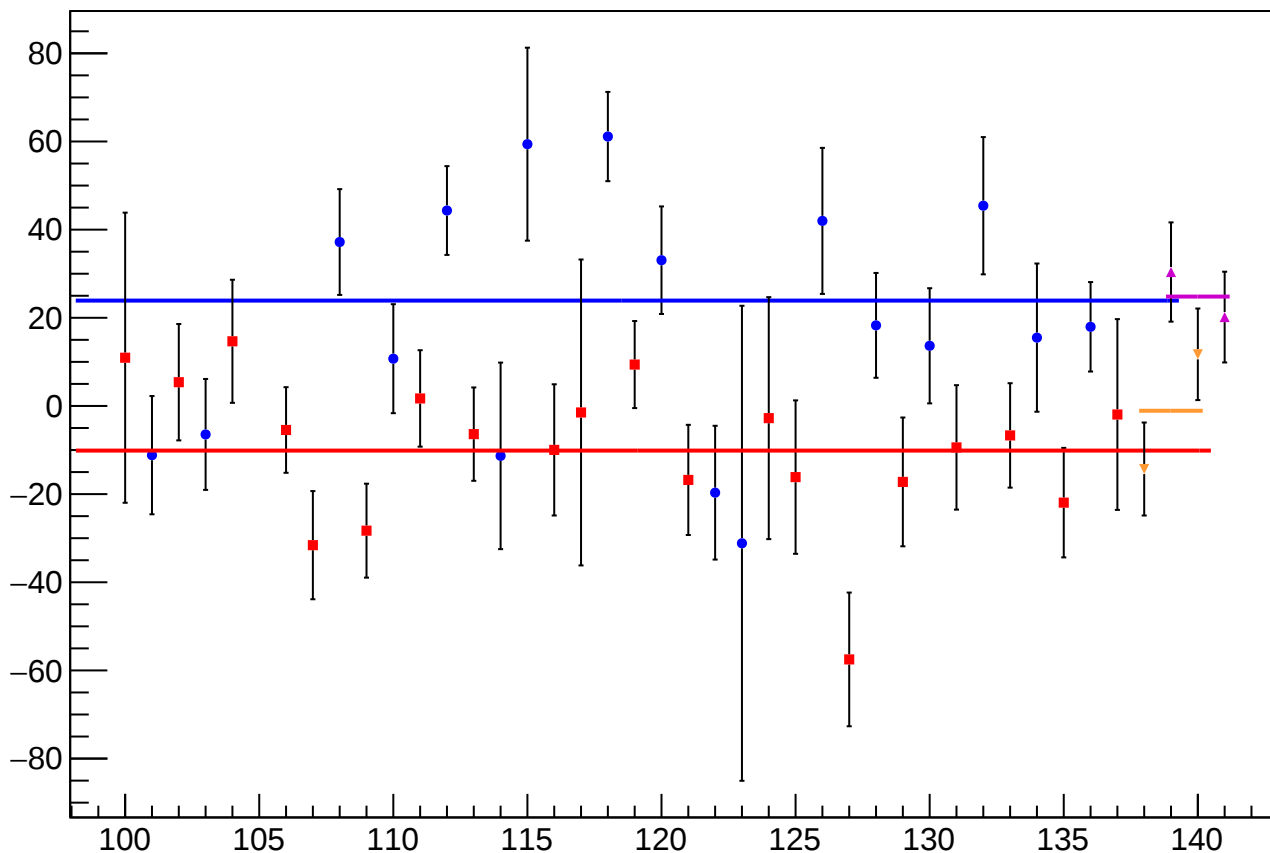
Right Out: 1245.167 $\pm$ 0.329 χ^2 /NDF: 67006.8/19

Left In: 1065.591 $\pm$ 0.611 χ^2 /NDF:1024.6/1

1208.718 $\pm$ 0.299 χ^2 /NDF: 154186.4/18

1204.748 $\pm$ 0.290 χ^2 /NDF: 135063.1/21

diff_bpm0l09X_mean vs Slug



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

Left Out: -1.091 $\pm$ 7.401 χ^2 /NDF:3.1/1

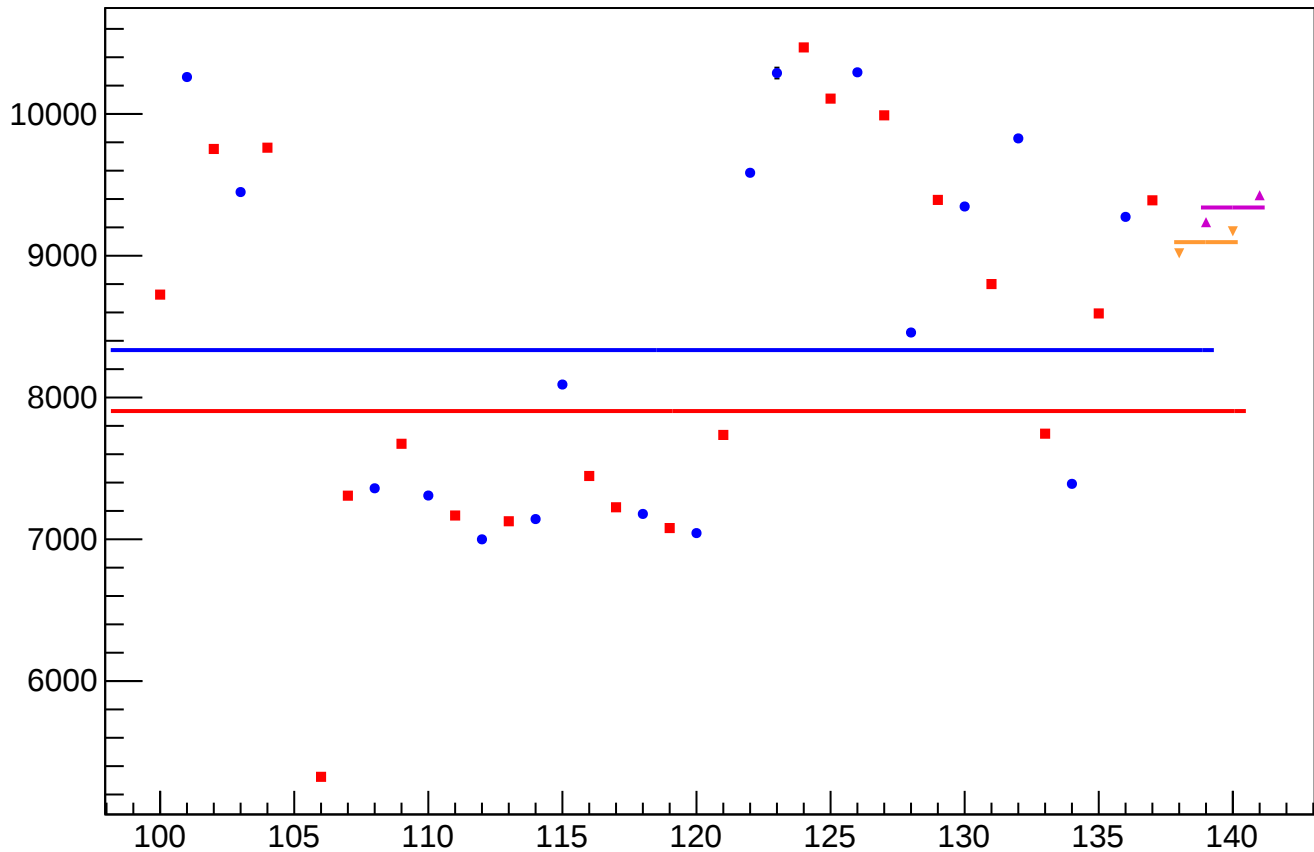
Right Out: -10.125 $\pm$ 2.994 χ^2 /NDF: 28.0/19

Left In: 24.818 $\pm$ 7.597 χ^2 /NDF:0.4/1

19.862 $\pm$ 2.976 χ^2 /NDF: 65.1/18

-5.426 $\pm$ 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: 9095.916+/-5.233 χ^2/NDF :220.0/1

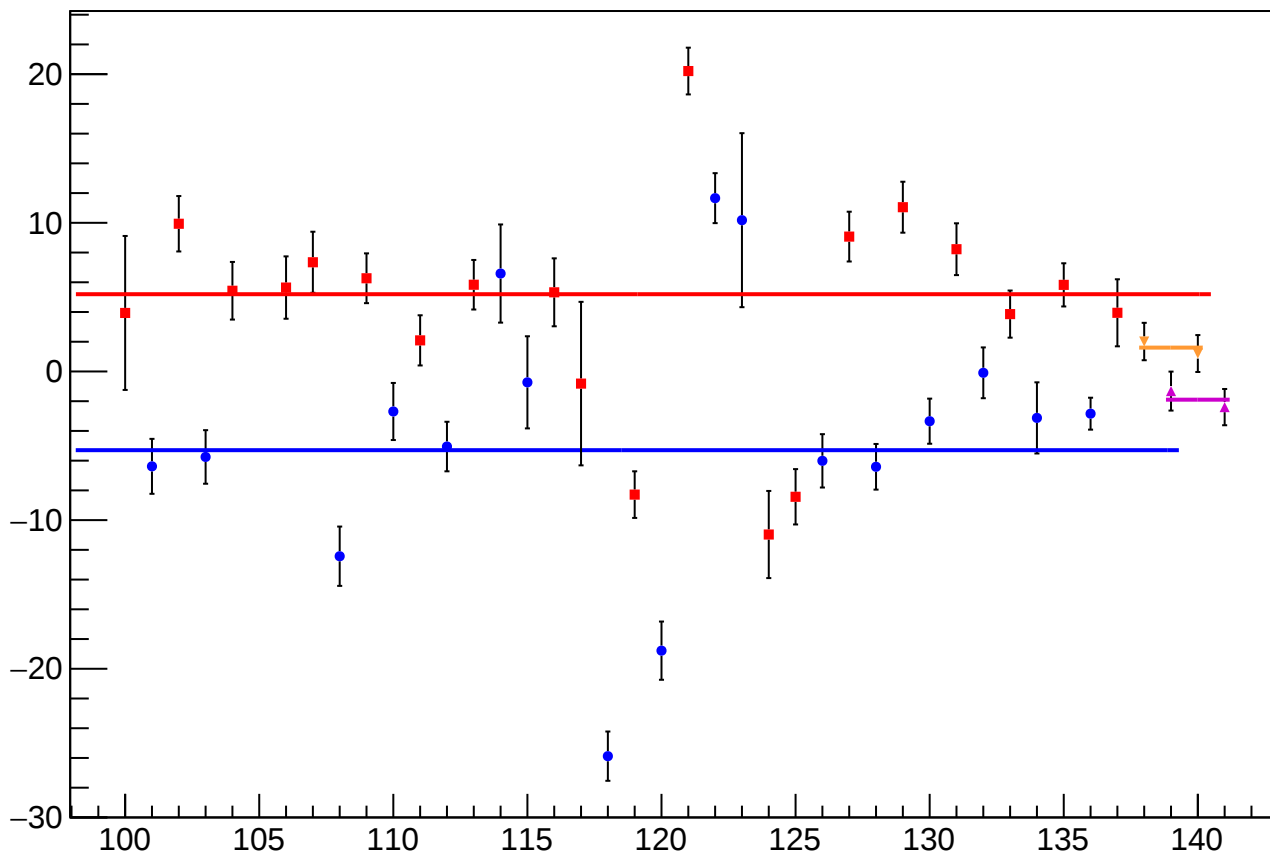
Right Out: 7904.529+/-2.117 χ^2/NDF : 391589.9/19

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

8457.636+/-2.104 χ^2/NDF : 290268.1/18

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: 1.605 ± 0.884 χ^2/NDF : 0.2/1

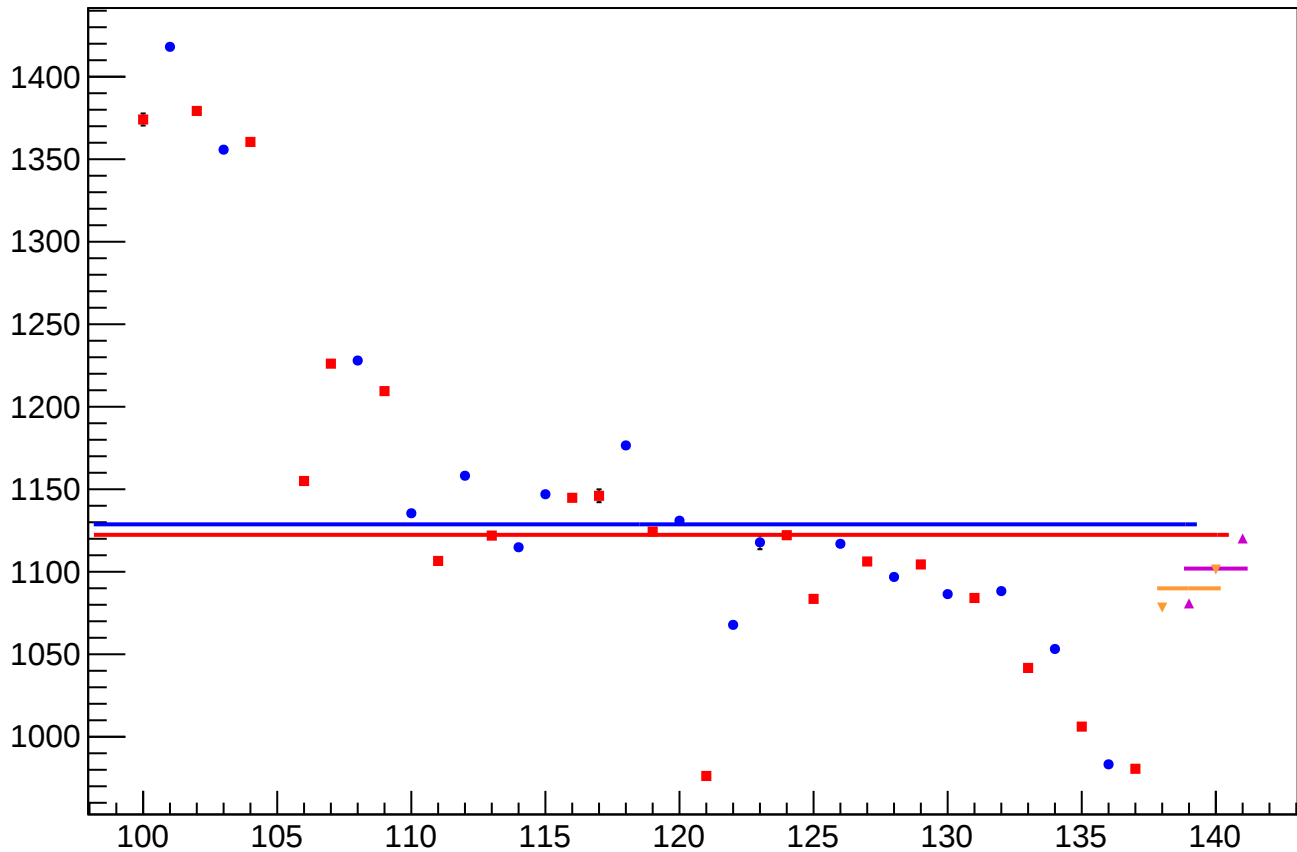
Right Out: 5.198 ± 0.420 χ^2/NDF : 283.1/19

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

-3.940 ± 0.392 χ^2/NDF : 407.3/18

3.910 ± 0.380 χ^2/NDF : 335.1/21

diff_bpm0l09Y_rms vs Slug



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

Left Out: 1089.955 $\pm$ 0.625 χ^2 /NDF:340.4/1

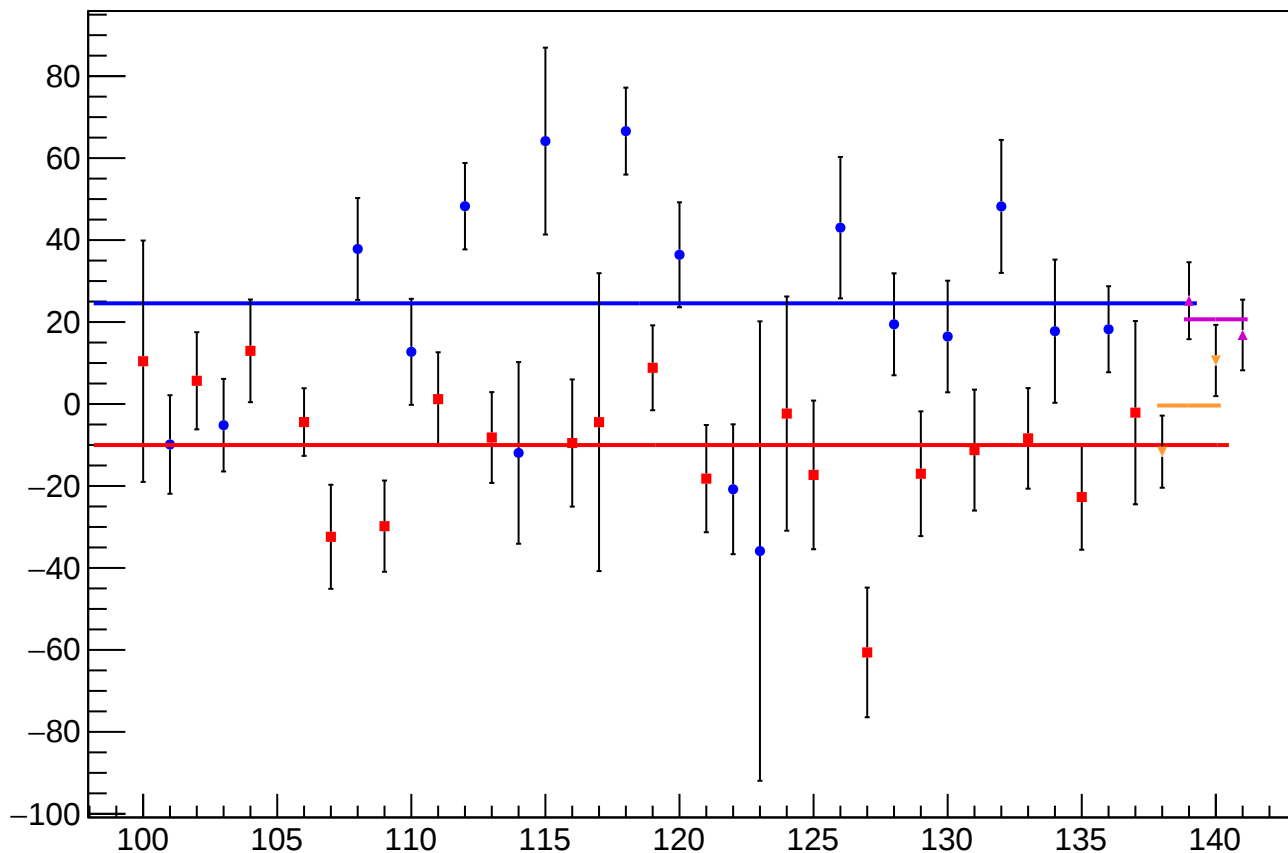
Right Out: 1122.377 $\pm$ 0.297 χ^2 /NDF: 129638.9/19

Left In: 1101.944 $\pm$ 0.631 χ^2 /NDF:965.4/1

1121.123 $\pm$ 0.277 χ^2 /NDF: 136533.4/18

1118.669 $\pm$ 0.269 χ^2 /NDF: 131461.7/21

diff_bpm0l10X_mean vs Slug



Right In: 24.569 ± 3.318 $\chi^2/\text{NDF}: 58.1/16$

Left Out: -0.366 ± 6.183 $\chi^2/\text{NDF}: 3.2/1$

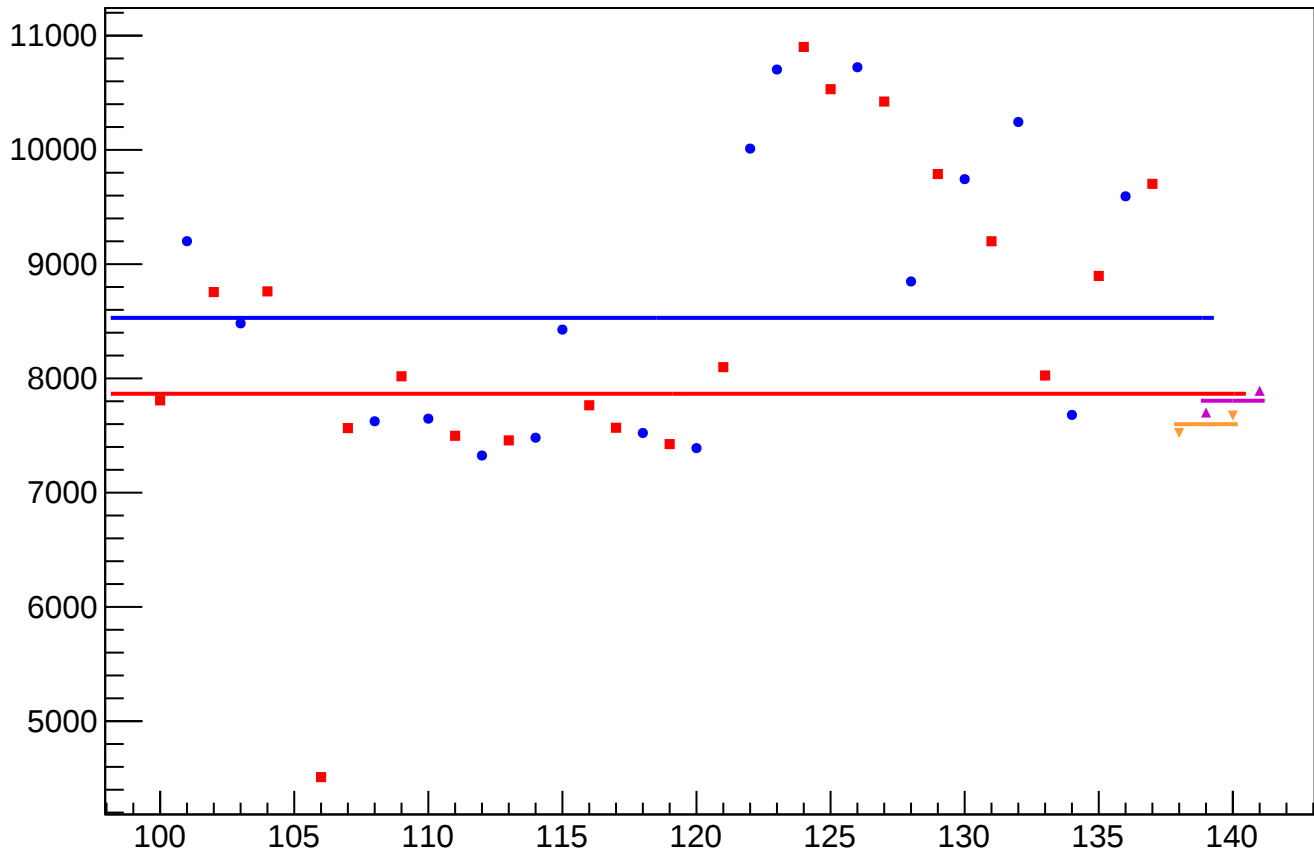
Right Out: -10.019 ± 2.997 $\chi^2/\text{NDF}: 28.8/19$

Left In: 20.667 ± 6.348 $\chi^2/\text{NDF}: 0.4/1$

18.992 ± 2.924 $\chi^2/\text{NDF}: 74.0/18$

-4.424 ± 2.710 $\chi^2/\text{NDF}: 48.4/21$

diff_bpm0l10X_rms vs Slug



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

Left Out: 7599.162+/-4.372 χ^2/NDF :305.9/1

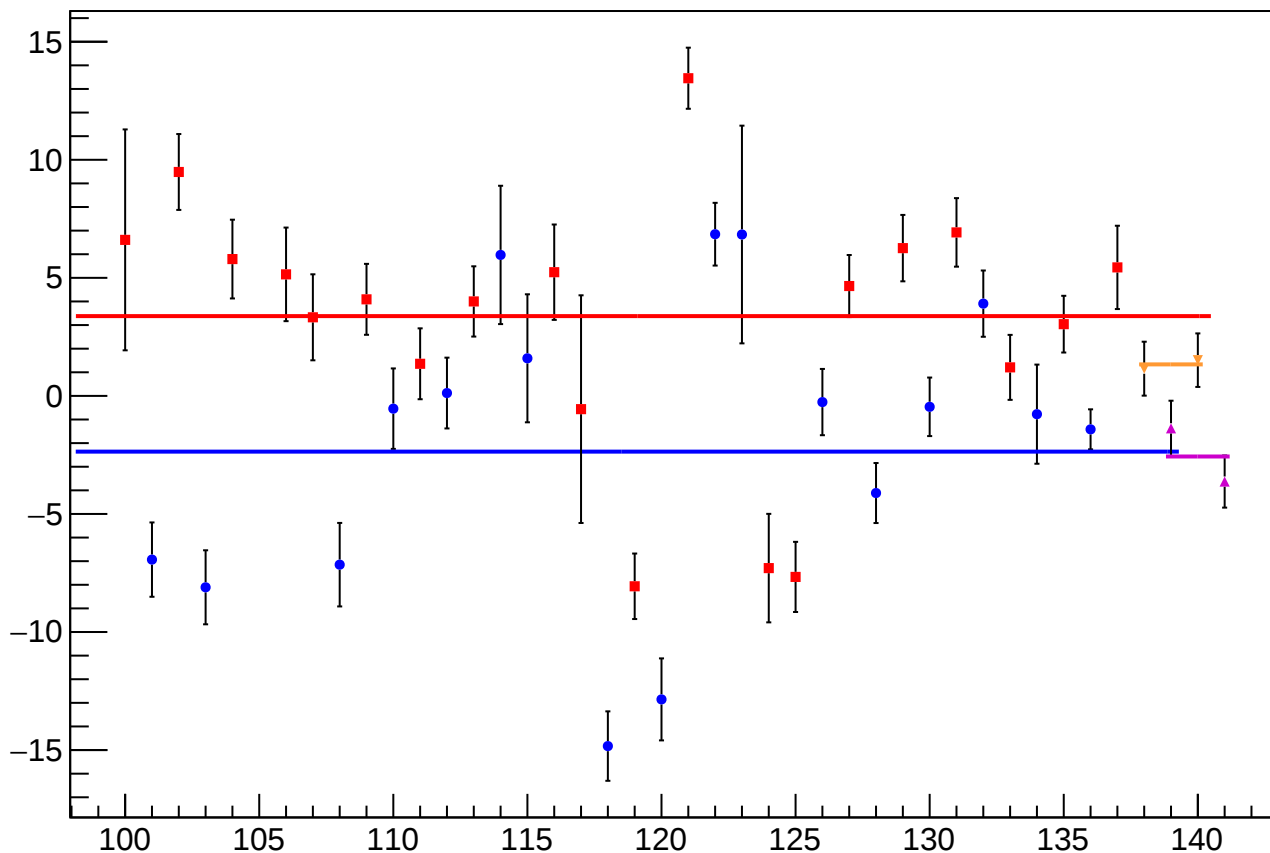
Right Out: 7865.549+/-2.119 χ^2/NDF : 555976.4/19

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

8321.681+/-2.067 χ^2/NDF : 243824.4/18

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: 1.334 ± 0.805 χ^2/NDF : 0.1/1

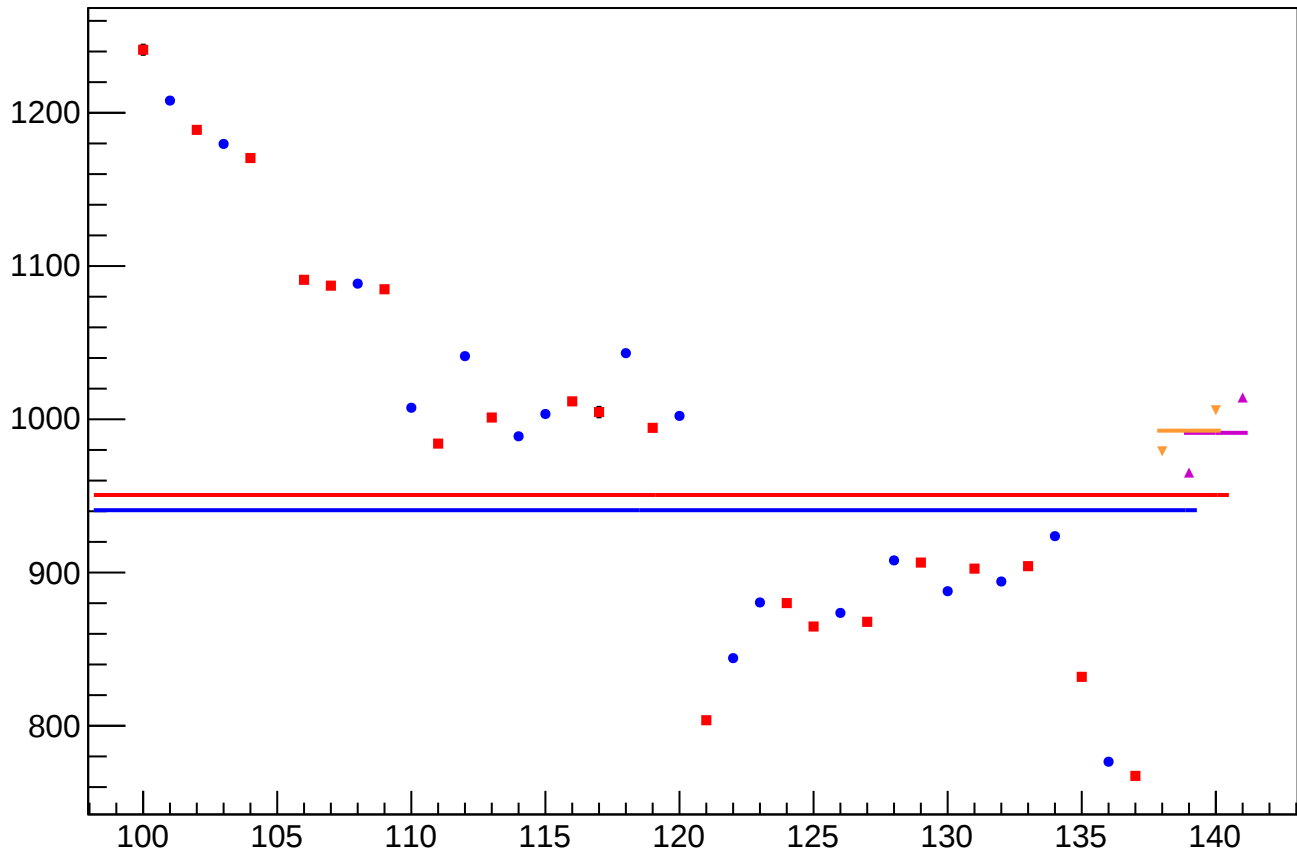
Right Out: 3.379 ± 0.357 χ^2/NDF : 242.1/19

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

-1.728 ± 0.333 χ^2/NDF : 249.5/18

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: 992.589+/-0.569 χ^2/NDF :554.0/1

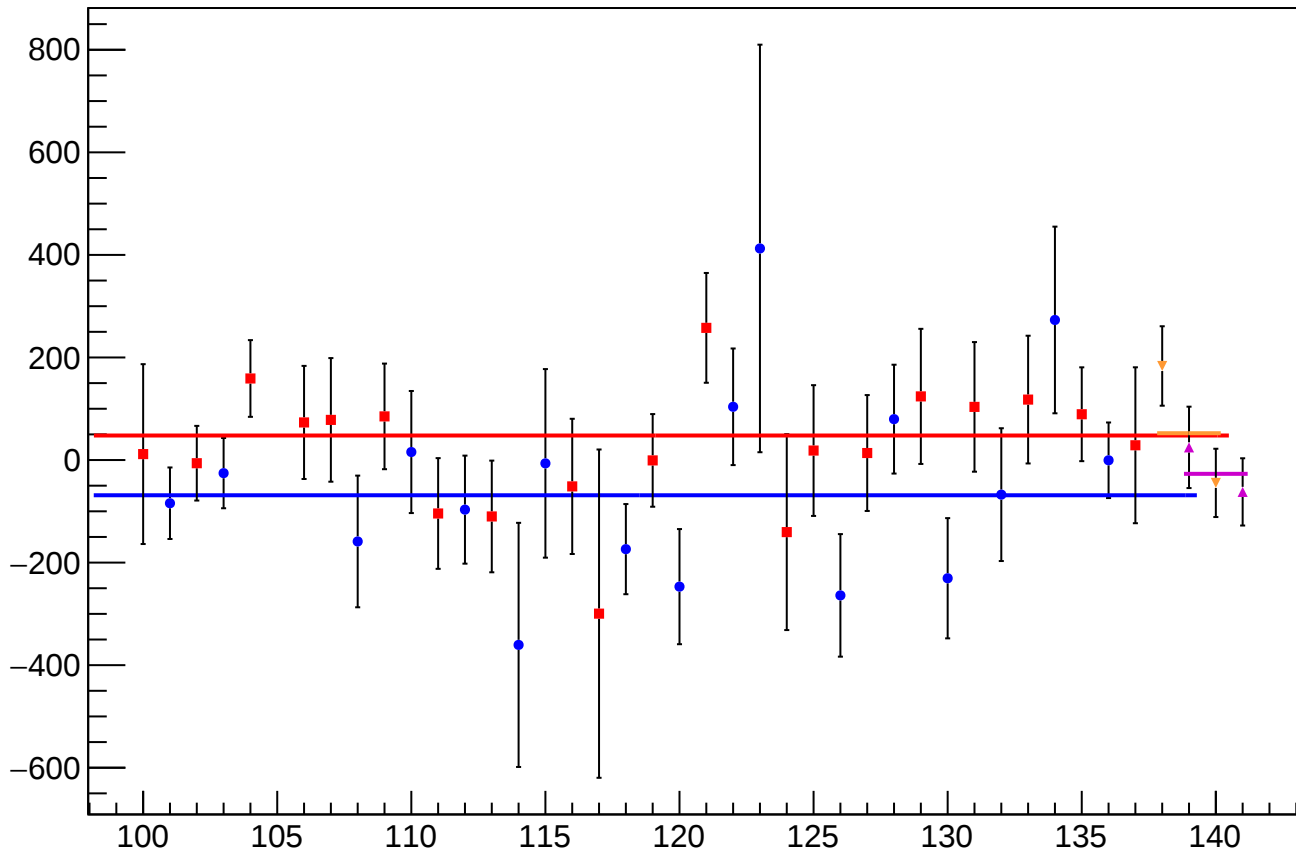
Right Out: 950.615+/-0.253 χ^2/NDF : 220931.3/19

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

949.564+/-0.235 χ^2/NDF : 249221.8/18

957.317+/-0.231 χ^2/NDF : 227045.9/21

diff_bpm0r03X_mean vs Slug



Right In: -68.688 ± 25.946 $\chi^2/\text{NDF}: 21.8/16$

Left Out: 52.297 ± 50.493 $\chi^2/\text{NDF}: 5.0/1$

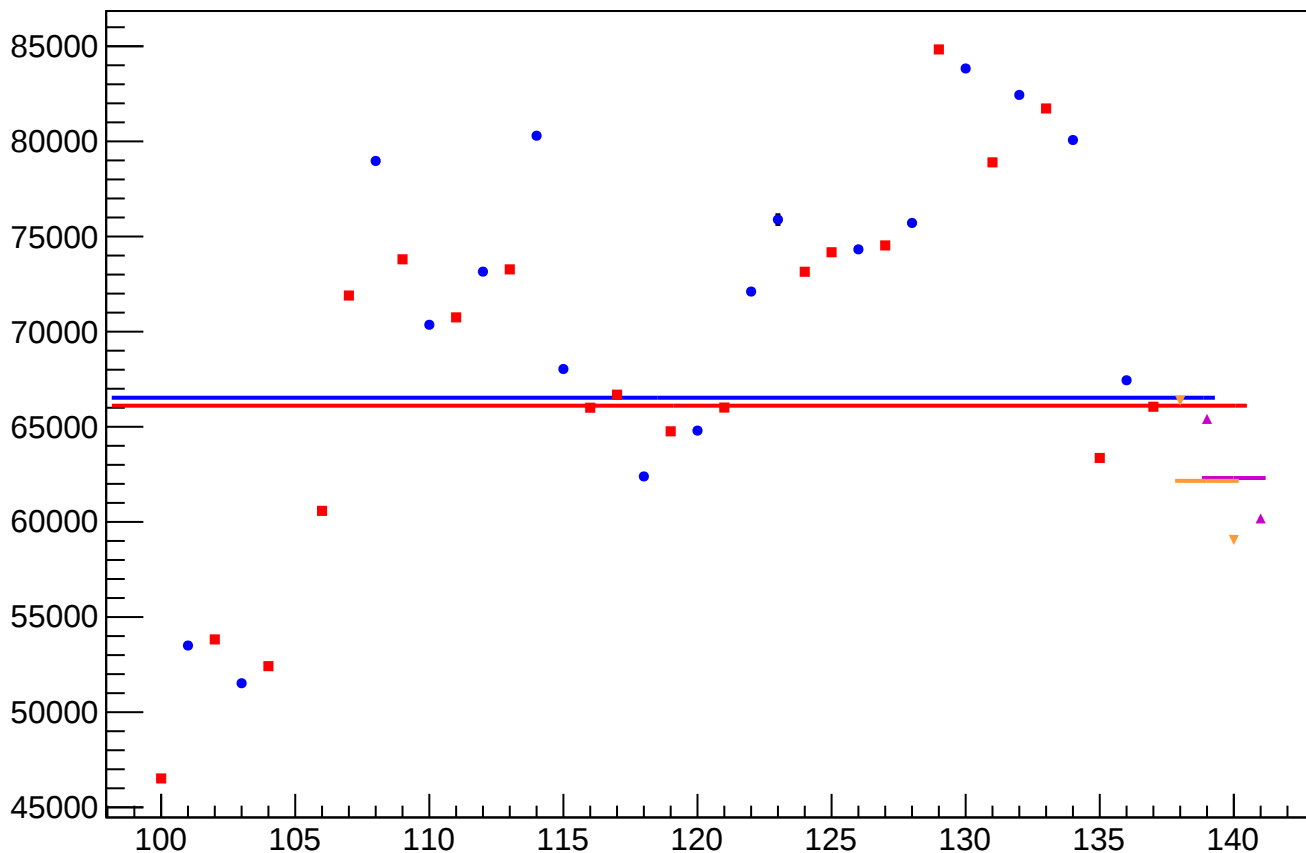
Right Out: 47.835 ± 24.944 $\chi^2/\text{NDF}: 15.2/19$

Left In: -26.912 ± 50.543 $\chi^2/\text{NDF}: 0.7/1$

-43.416 ± 23.077 $\chi^2/\text{NDF}: 31.3/18$

33.196 ± 22.368 $\chi^2/\text{NDF}: 17.7/21$

diff_bpm0r03X_rms vs Slug



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

Left Out: 62158.797+/-35.704 χ^2/NDF : 10246.1/1

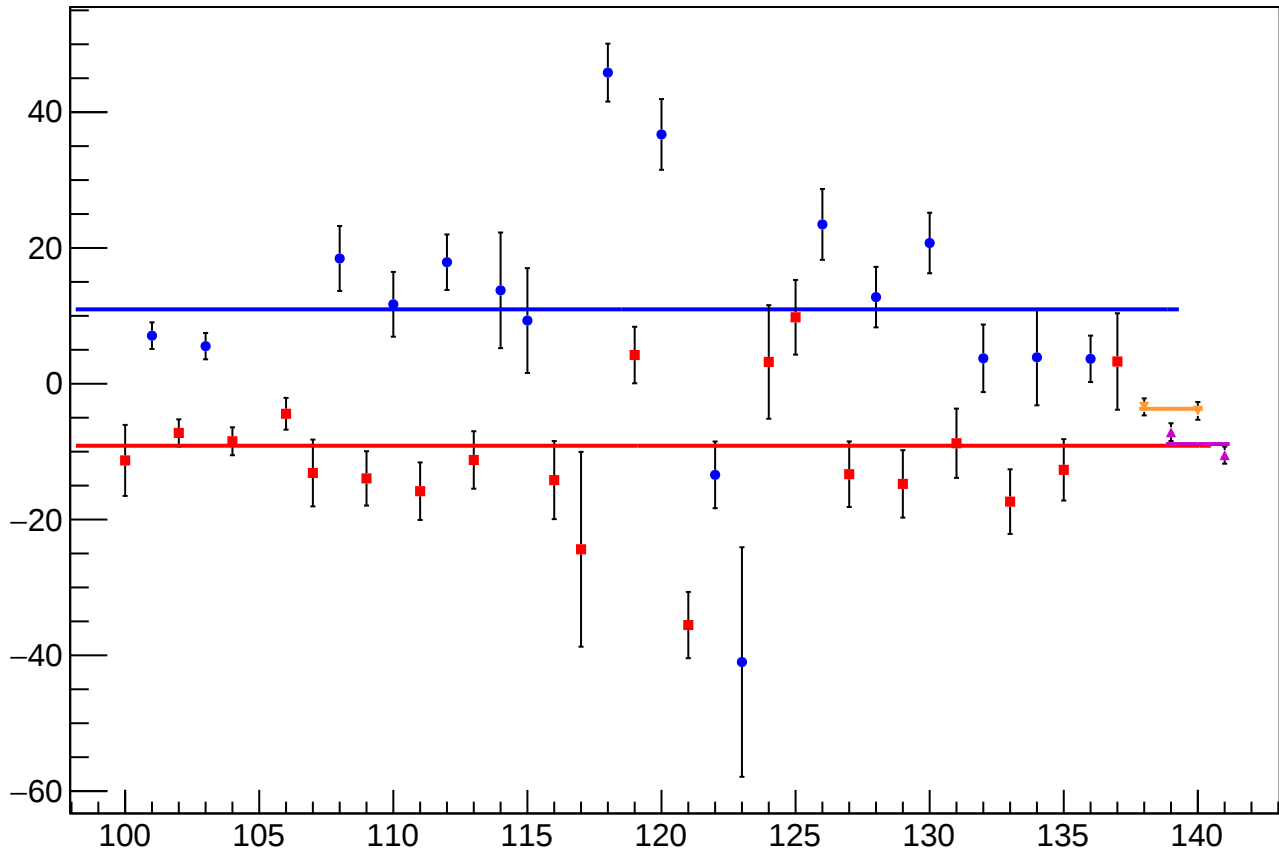
Right Out: 66109.383+/-17.638 χ^2/NDF : 298491.9/19

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

65614.728+/-16.318 χ^2/NDF : 342976.4/18

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: -3.688 ± 0.906 χ^2/NDF : 0.1/1

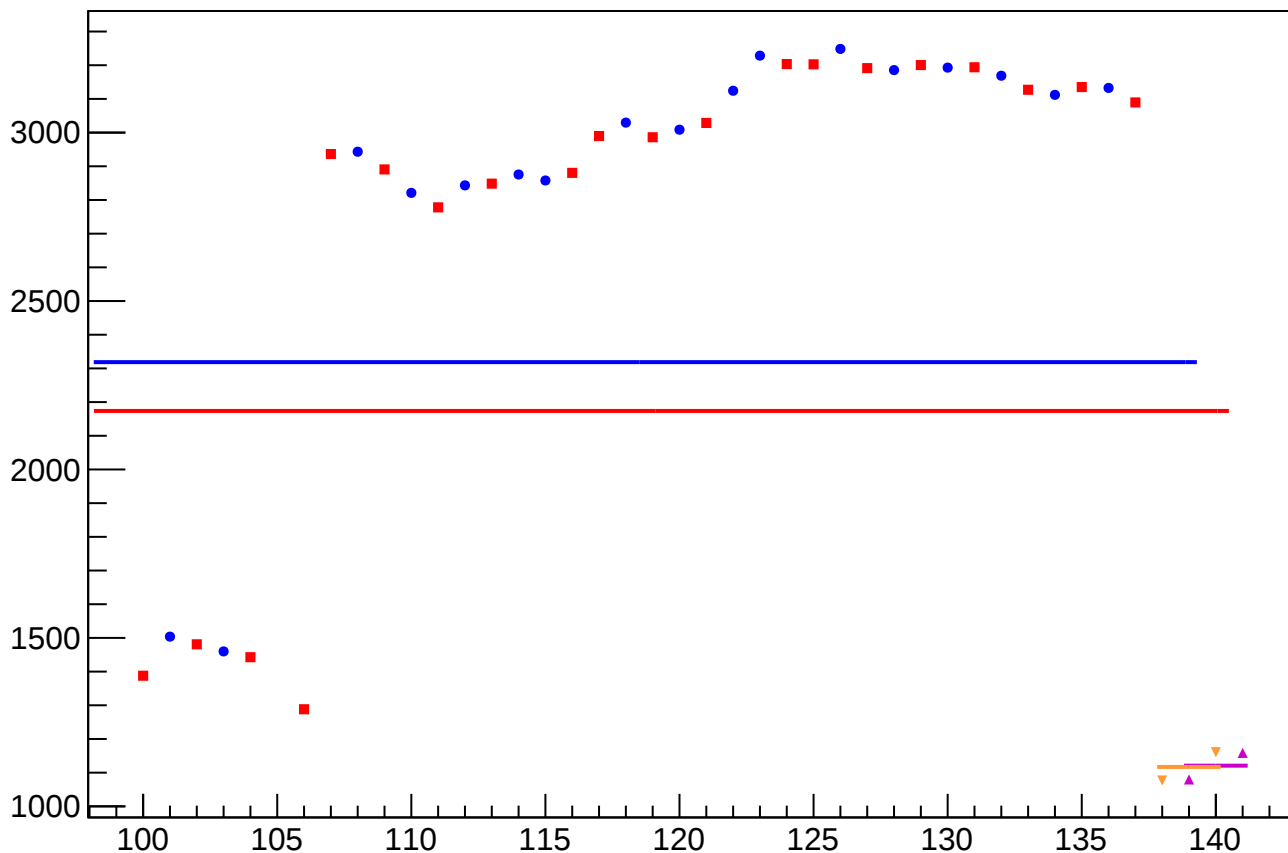
Right Out: -9.127 ± 0.865 χ^2/NDF : 74.2/19

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

3.342 ± 0.653 χ^2/NDF : 286.4/18

-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: 1116.999+/-0.641 χ^2/NDF : 4285.5/1

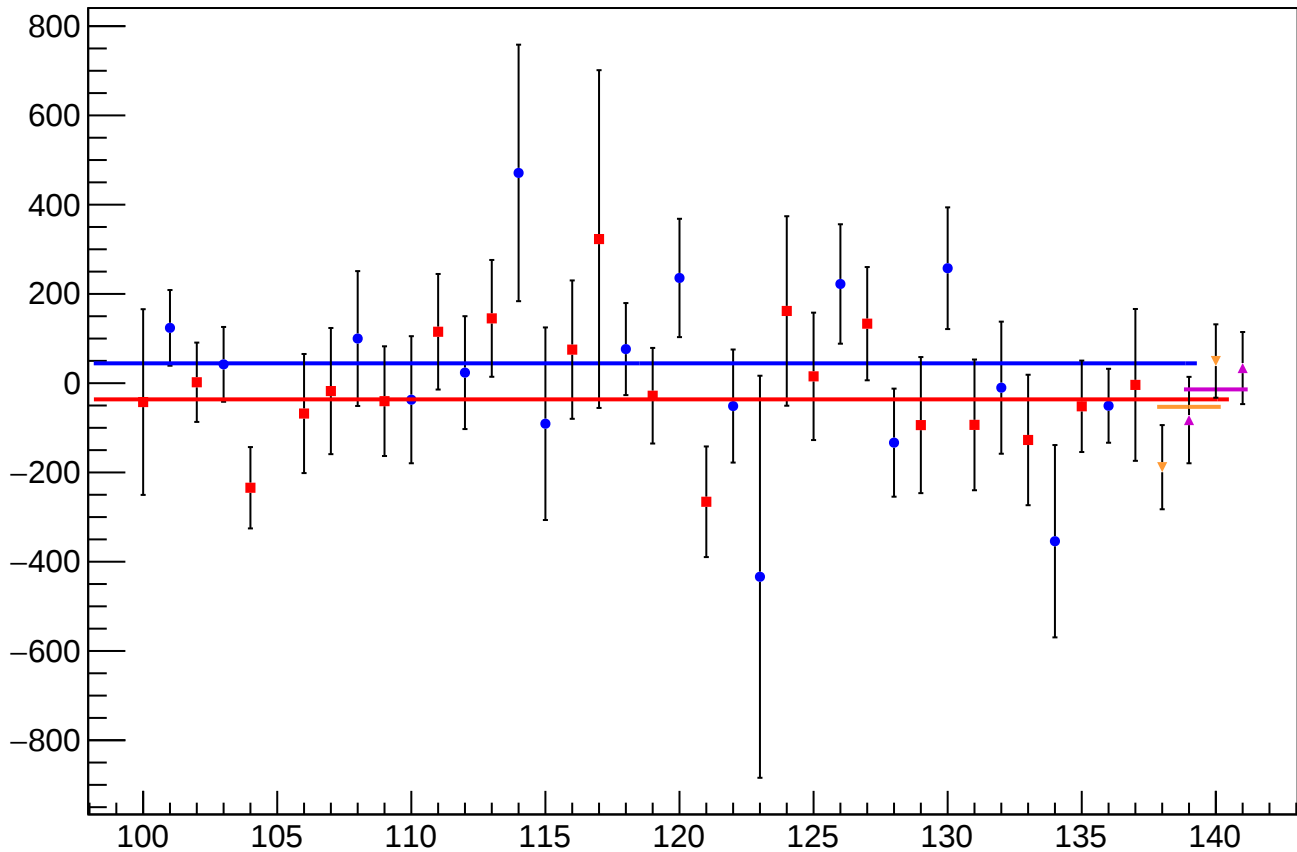
Right Out: 2173.762+/-0.611 χ^2/NDF : 1760181.2/19

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

1693.835+/-0.462 χ^2/NDF : 3100462.6/18

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: -53.033+/-61.969 χ^2/NDF : 3.6/1

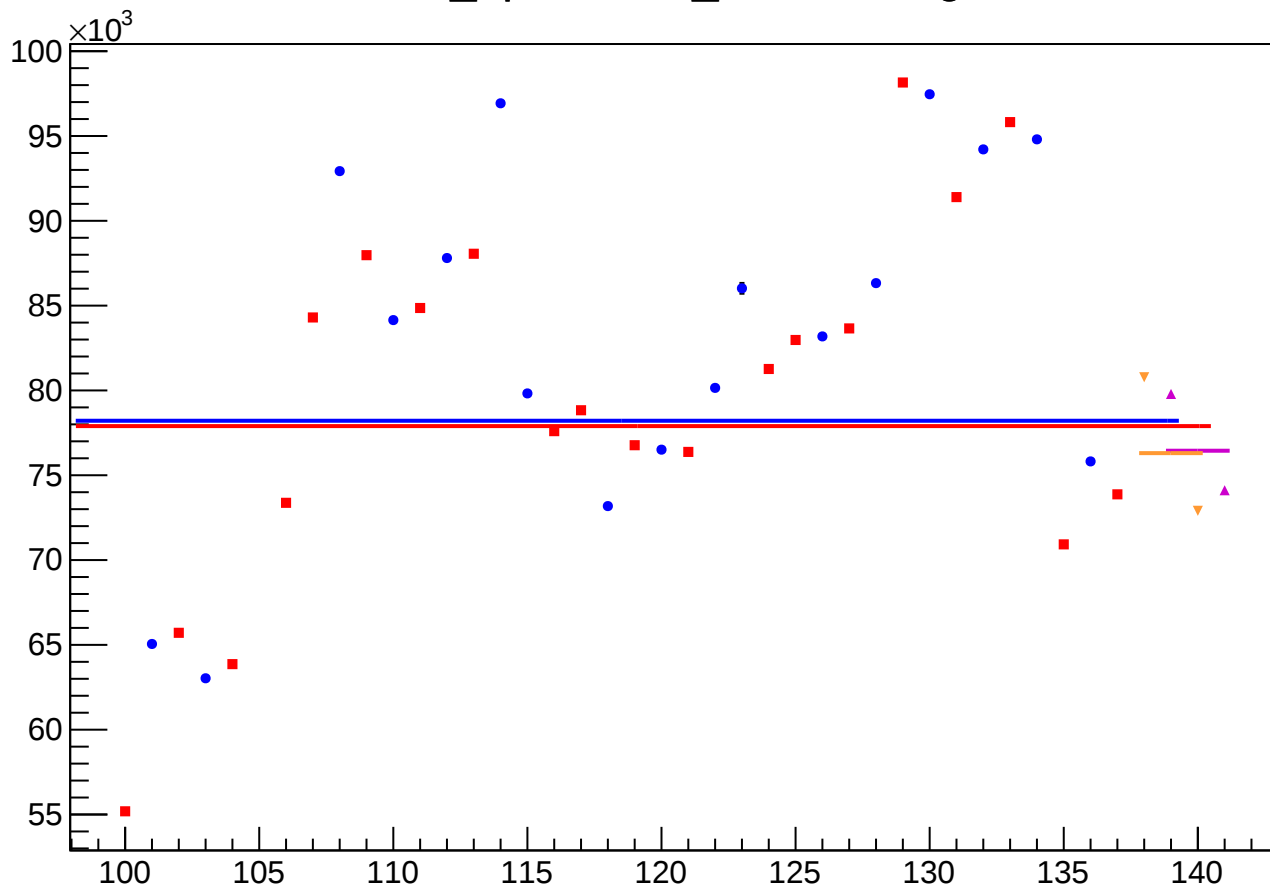
Right Out: -36.251+/-29.346 χ^2/NDF : 16.7/19

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

25.536+/-27.316 χ^2/NDF : 24.7/18

-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: 76303.967 $\pm$ 43.819 χ^2 /NDF: 7921.3/1

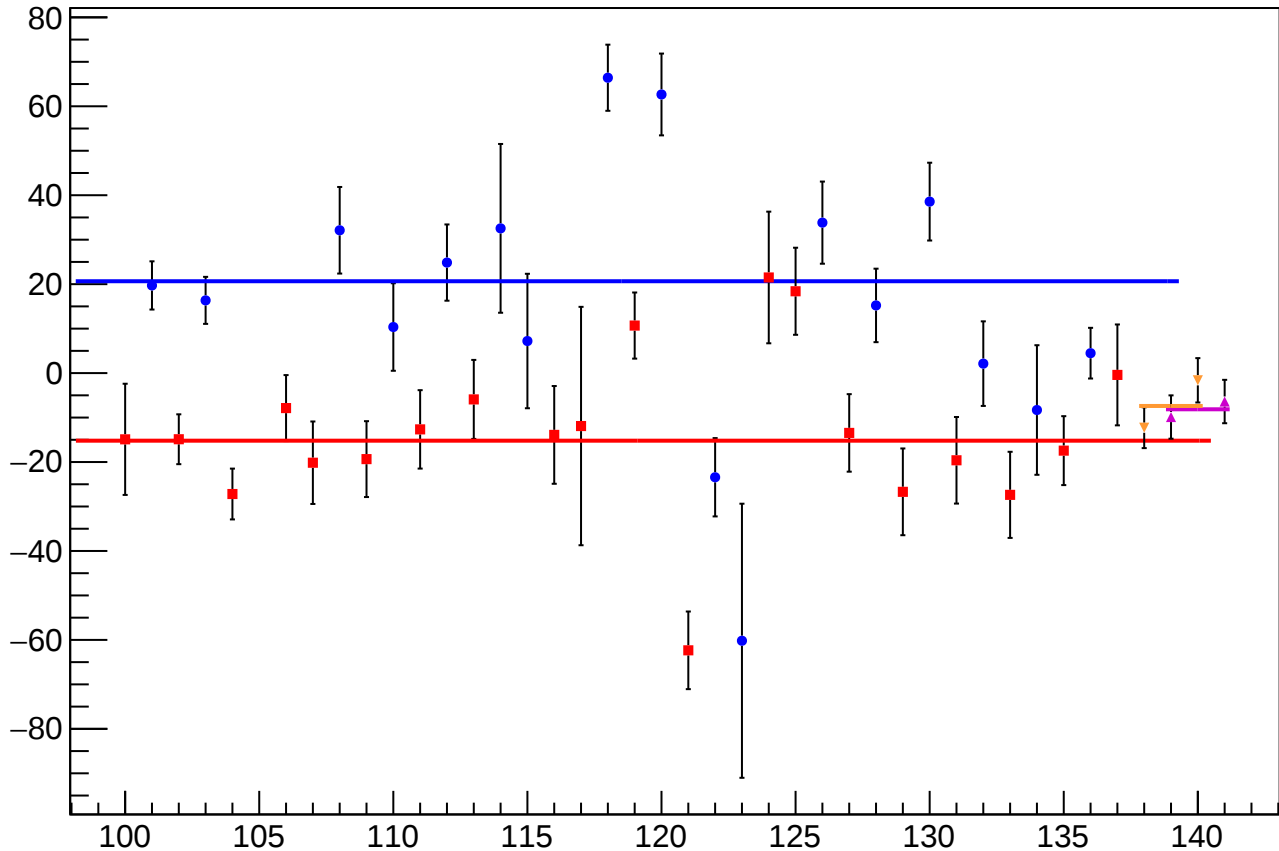
Right Out: 77897.594 $\pm$ 20.751 χ^2 /NDF: 246982.5/19

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

77842.093 $\pm$ 19.315 χ^2 /NDF: 260507.3/18

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

diff_bpm0r05Y_mean vs Slug



Right In: 20.657 ± 2.036 $\chi^2/\text{NDF}: 117.7/16$

Left Out: -7.393 ± 3.376 $\chi^2/\text{NDF}: 2.5/1$

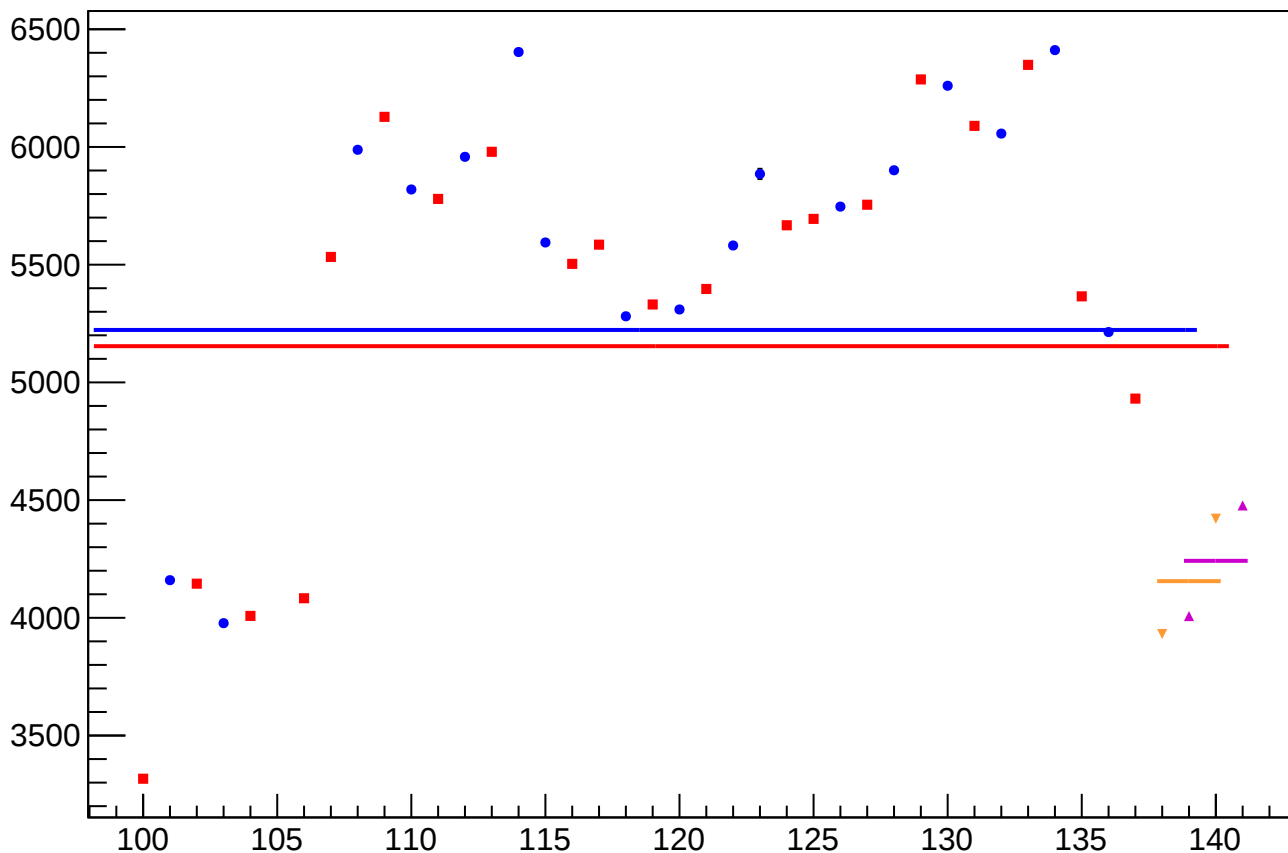
Right Out: -15.198 ± 1.950 $\chi^2/\text{NDF}: 71.3/19$

Left In: -8.141 ± 3.447 $\chi^2/\text{NDF}: 0.3/1$

13.178 ± 1.743 $\chi^2/\text{NDF}: 170.8/18$

-13.488 ± 1.697 $\chi^2/\text{NDF}: 74.8/21$

diff_bpm0r05Y_rms vs Slug



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

Left Out: 4155.768+/-2.387 χ^2/NDF :10450.8/1

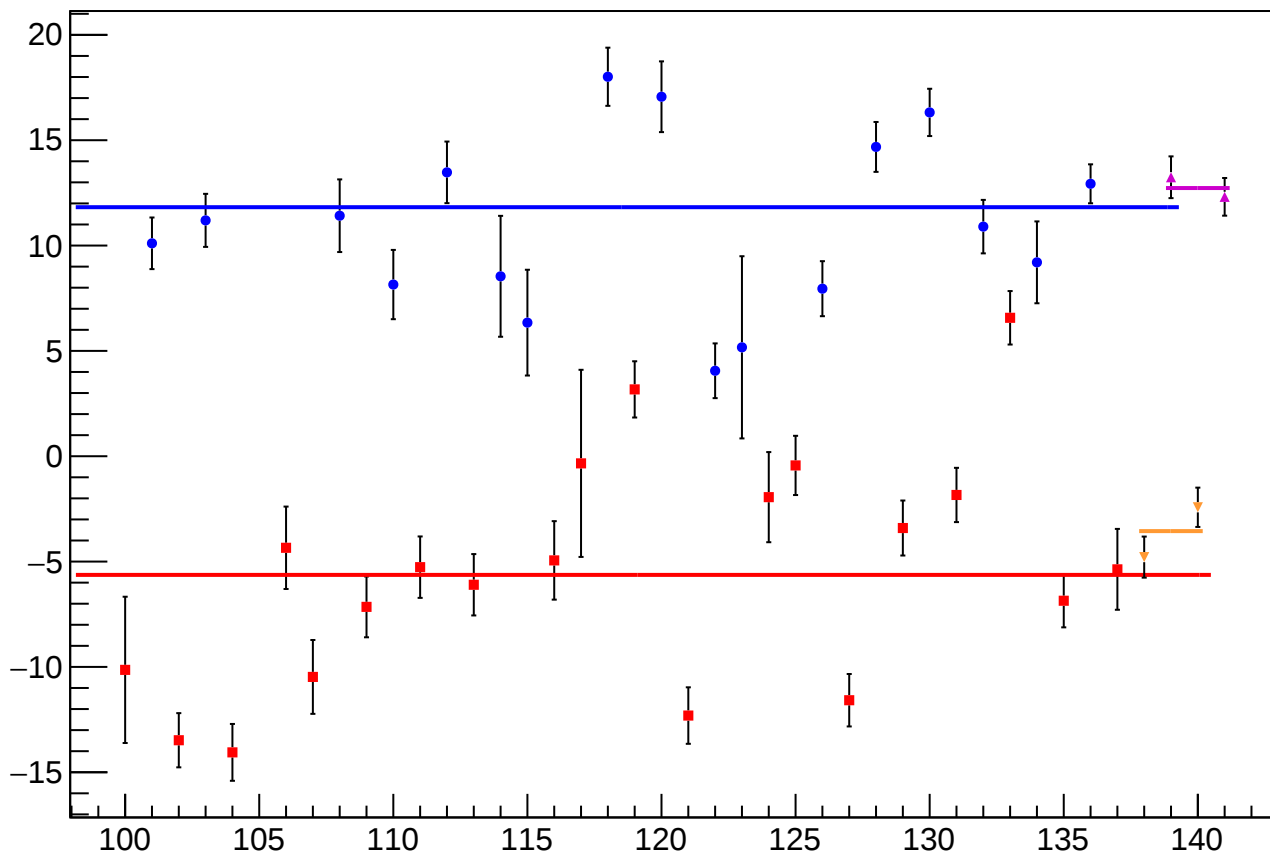
Right Out: 5153.826+/-1.379 χ^2/NDF : 388205.9/19

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

4938.266+/-1.233 χ^2/NDF : 469427.3/18

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: -3.554+/-0.674 χ^2 /NDF: 3.1/1

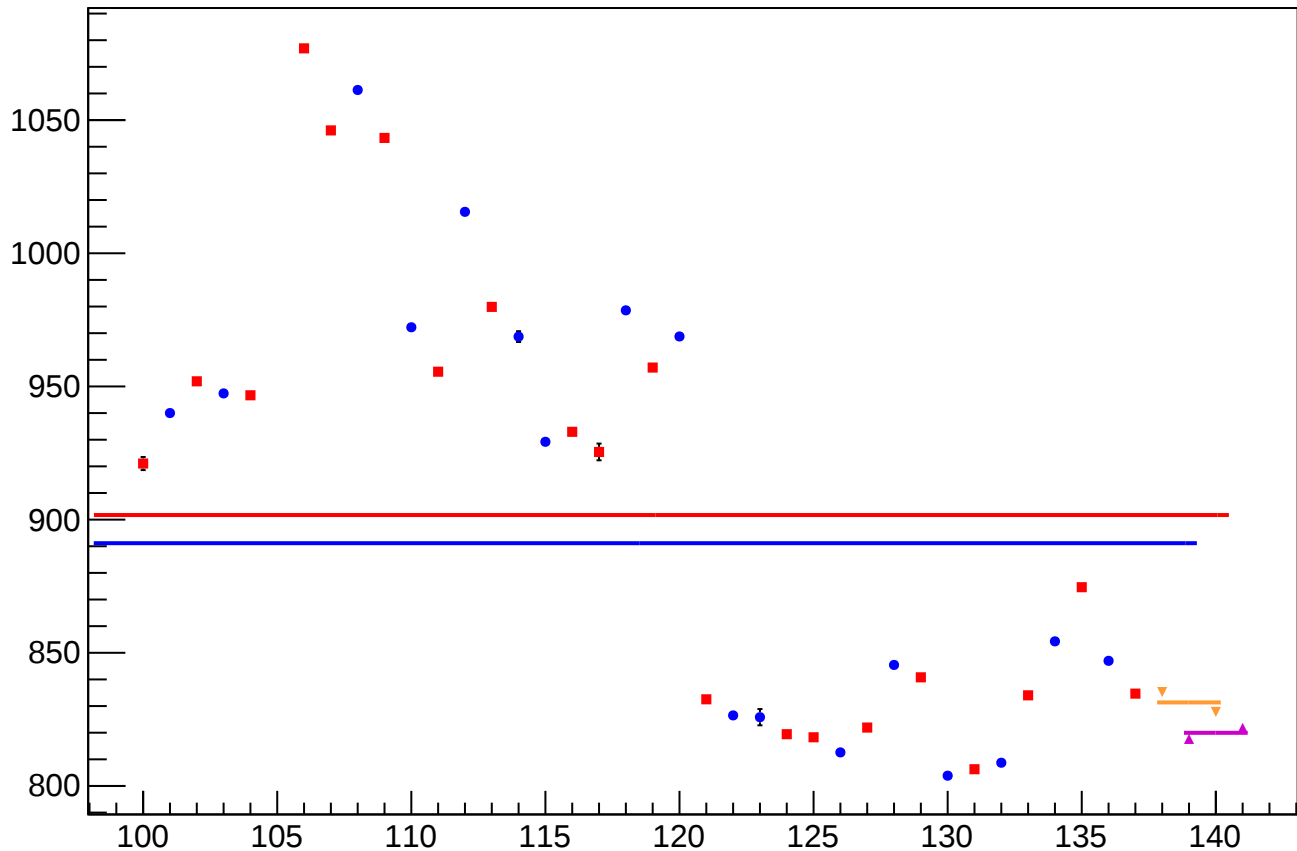
Right Out: -5.632+/-0.337 χ^2 /NDF: 301.6/19

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

8.636+/-0.307 χ^2 /NDF: 532.7/18

-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: 831.367 $\pm$ 0.477 χ^2 /NDF:61.0/1

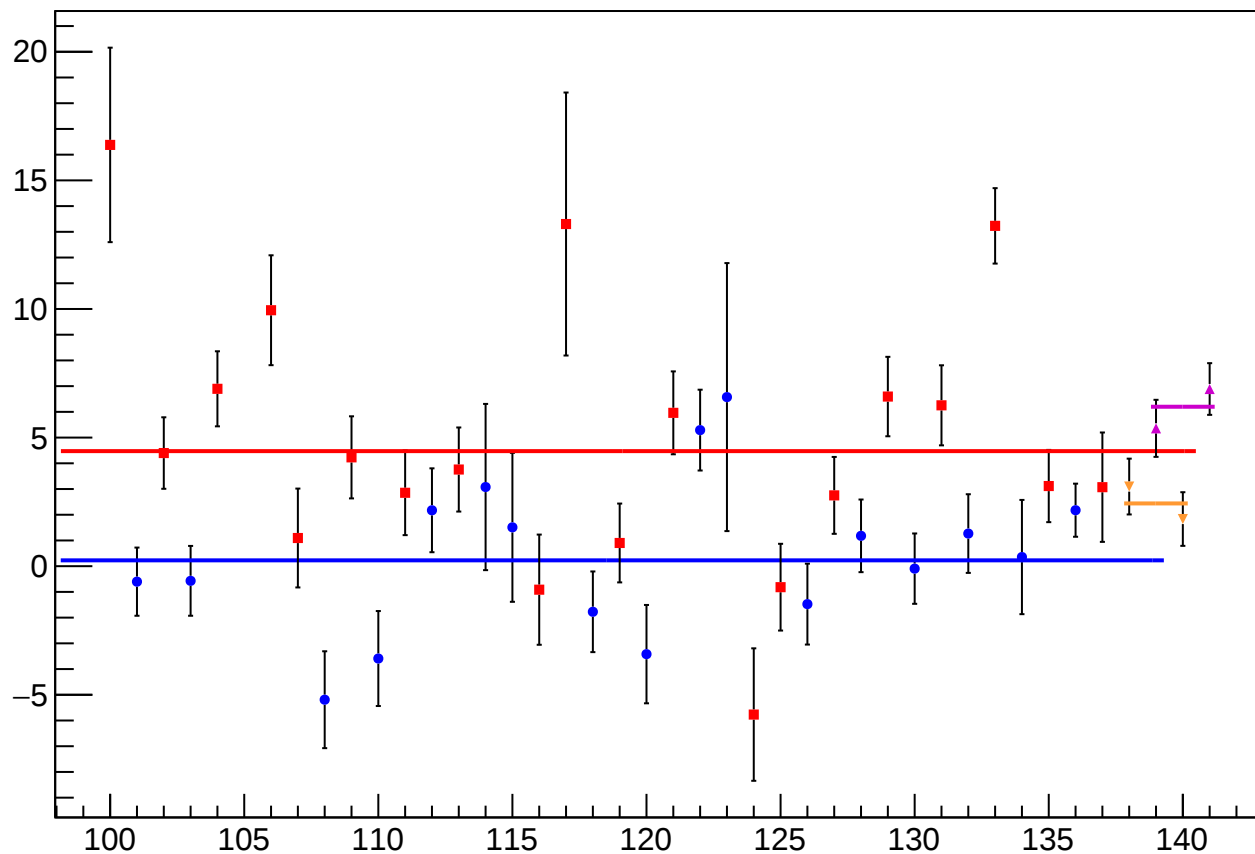
Right Out: 901.725 $\pm$ 0.239 χ^2 /NDF: 114648.1/19

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

878.766 $\pm$ 0.217 χ^2 /NDF: 114196.0/18

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: 2.440 ± 0.752 χ^2/NDF : 0.7/1

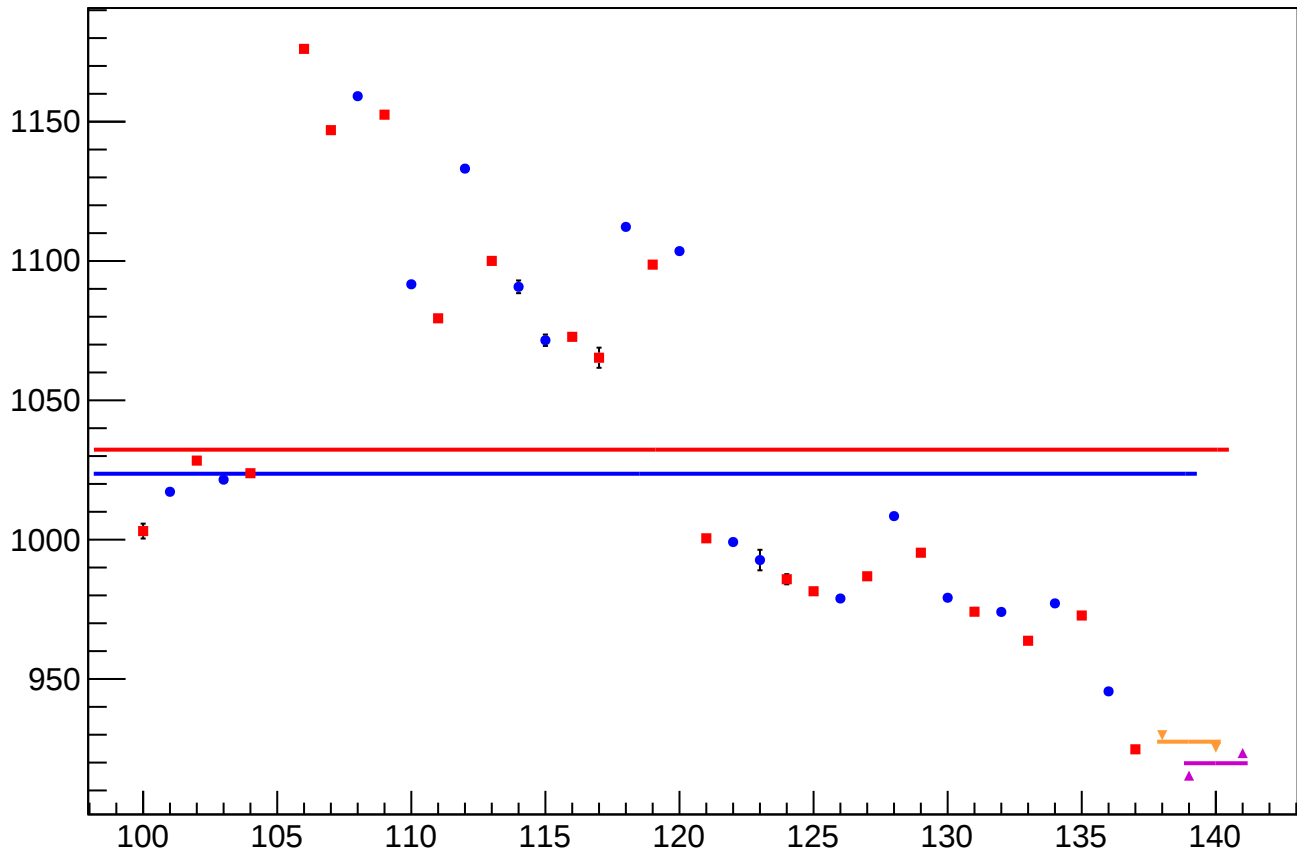
Right Out: 4.473 ± 0.386 χ^2/NDF : 106.3/19

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

0.706 ± 0.350 χ^2/NDF : 46.0/18

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: 927.498 $\pm$ 0.532 χ^2 /NDF:17.5/1

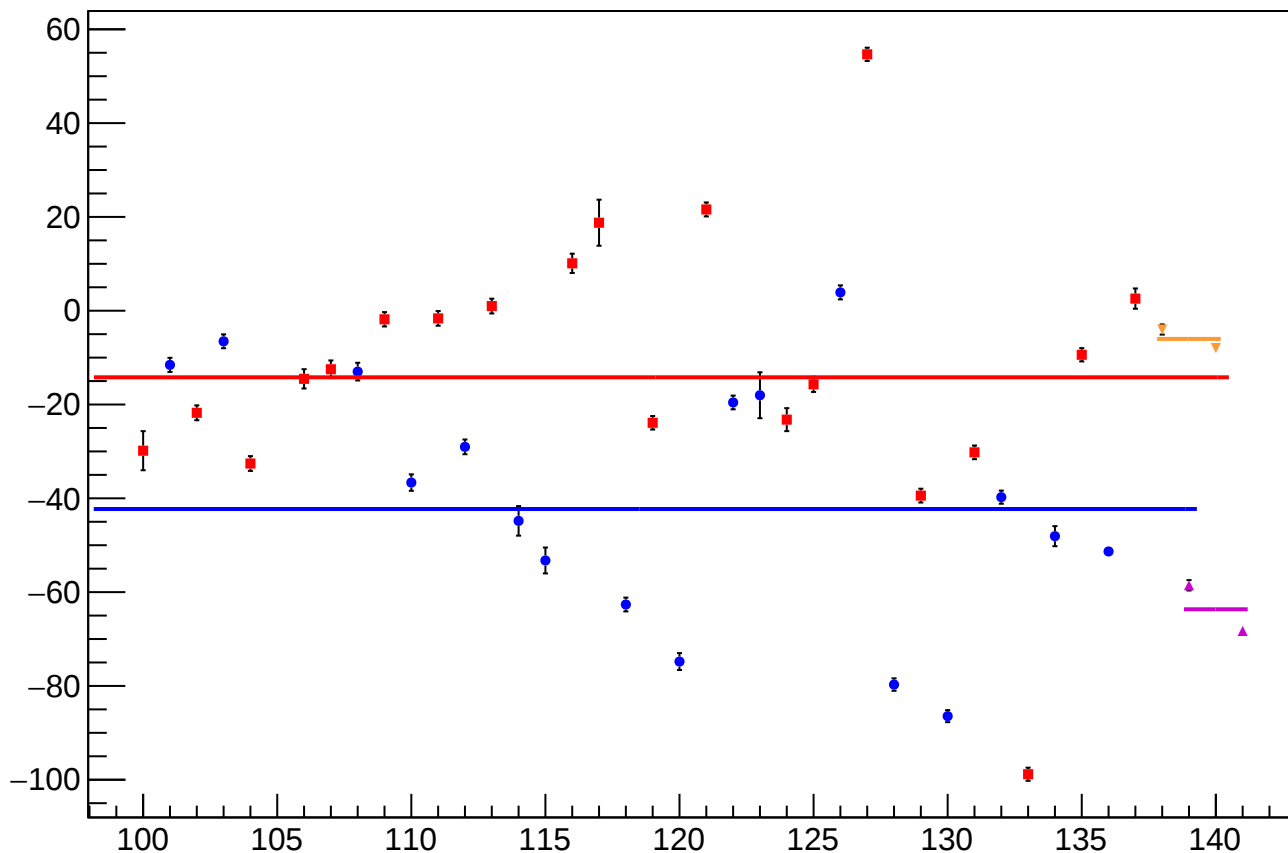
Right Out: 1032.296 $\pm$ 0.273 χ^2 /NDF: 59475.4/19

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

1002.854 $\pm$ 0.247 χ^2 /NDF: 78030.9/18

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

diff_bpm2i02X_mean vs Slug



Right In: -42.278 ± 0.387 $\chi^2/\text{NDF}: 5126.8/16$

Left Out: -6.012 ± 0.760 $\chi^2/\text{NDF}: 6.8/1$

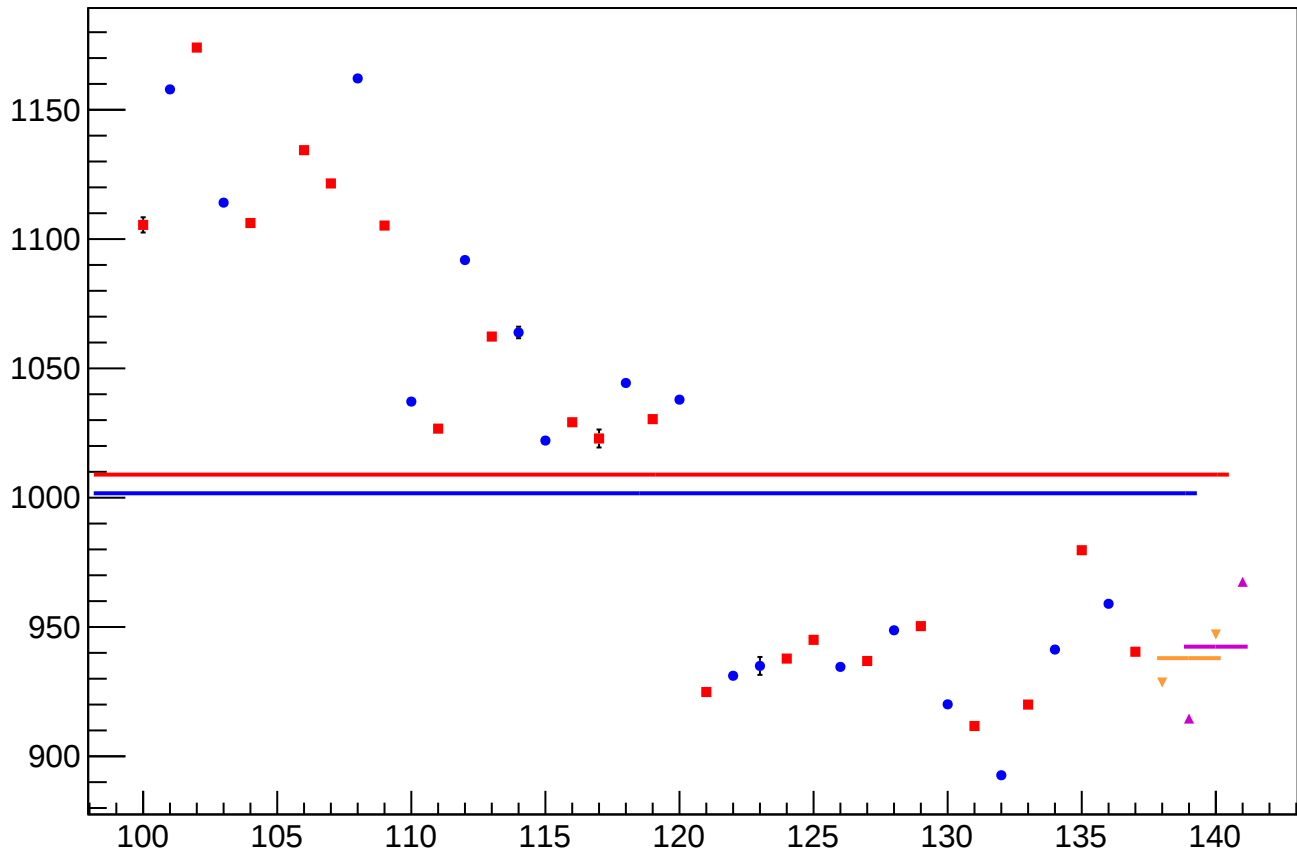
Right Out: -14.197 ± 0.377 $\chi^2/\text{NDF}: 7715.1/19$

Left In: -63.659 ± 0.763 $\chi^2/\text{NDF}: 40.5/1$

-34.810 ± 0.345 $\chi^2/\text{NDF}: 6940.8/18$

-23.912 ± 0.338 $\chi^2/\text{NDF}: 11130.1/21$

diff_bpm2i02X_rms vs Slug



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

Left Out: 937.948+/-0.538 χ^2/NDF : 298.5/1

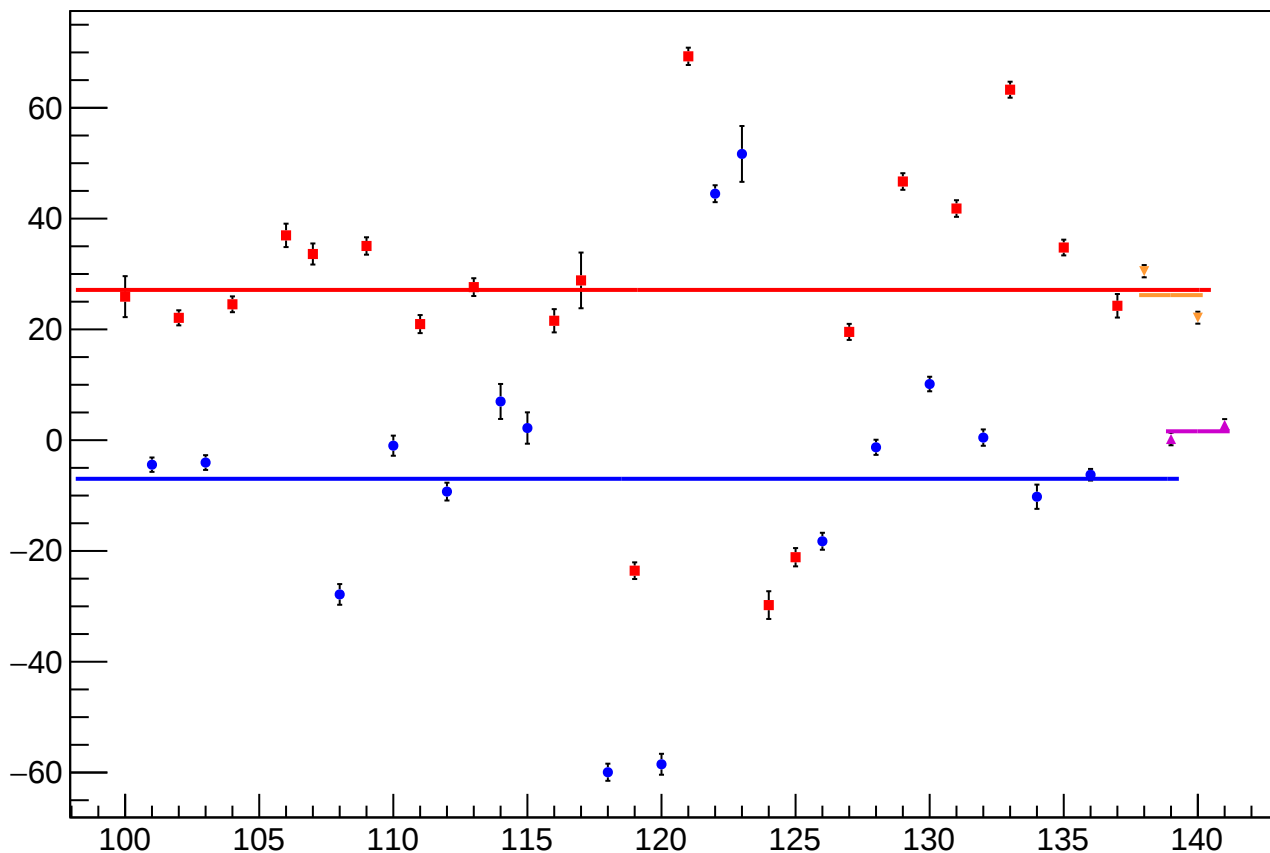
Right Out: 1008.931+/-0.267 χ^2/NDF : 95366.1/19

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

988.577+/-0.244 χ^2/NDF : 106949.8/18

995.864+/-0.239 χ^2/NDF : 109972.0/21

diff_bpm2i02Y_mean vs Slug



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

Left Out: 26.188 ± 0.774 $\chi^2/\text{NDF}: 29.4/1$

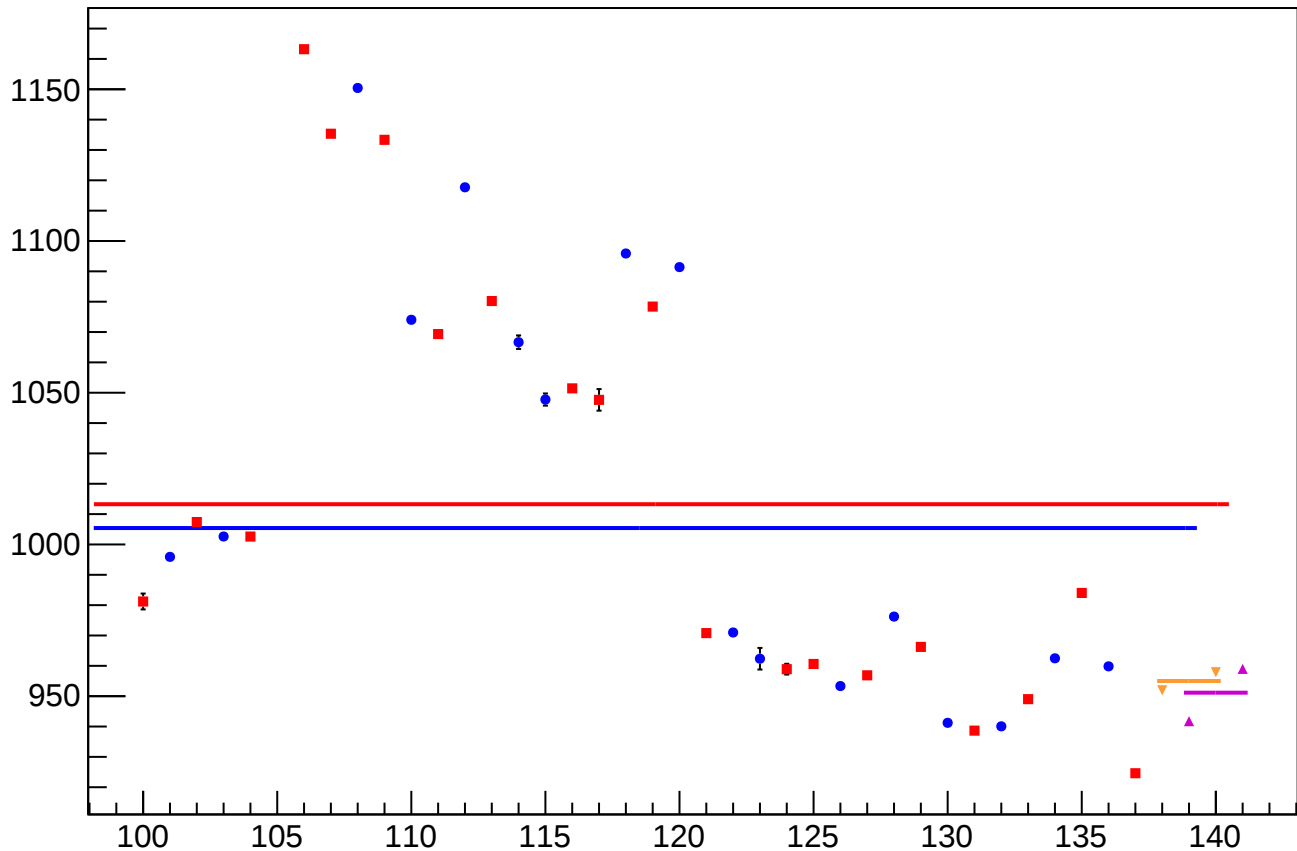
Right Out: 27.125 ± 0.379 $\chi^2/\text{NDF}: 4283.6/19$

Left In: 1.602 ± 0.770 $\chi^2/\text{NDF}: 2.7/1$

-0.316 ± 0.347 $\chi^2/\text{NDF}: 5133.3/18$

22.159 ± 0.340 $\chi^2/\text{NDF}: 5171.1/21$

diff_bpm2i02Y_rms vs Slug



Right In: 1005.409 ± 0.274 χ^2/NDF : 54586.0/16

Left Out: 955.003 ± 0.547 χ^2/NDF : 29.5/1

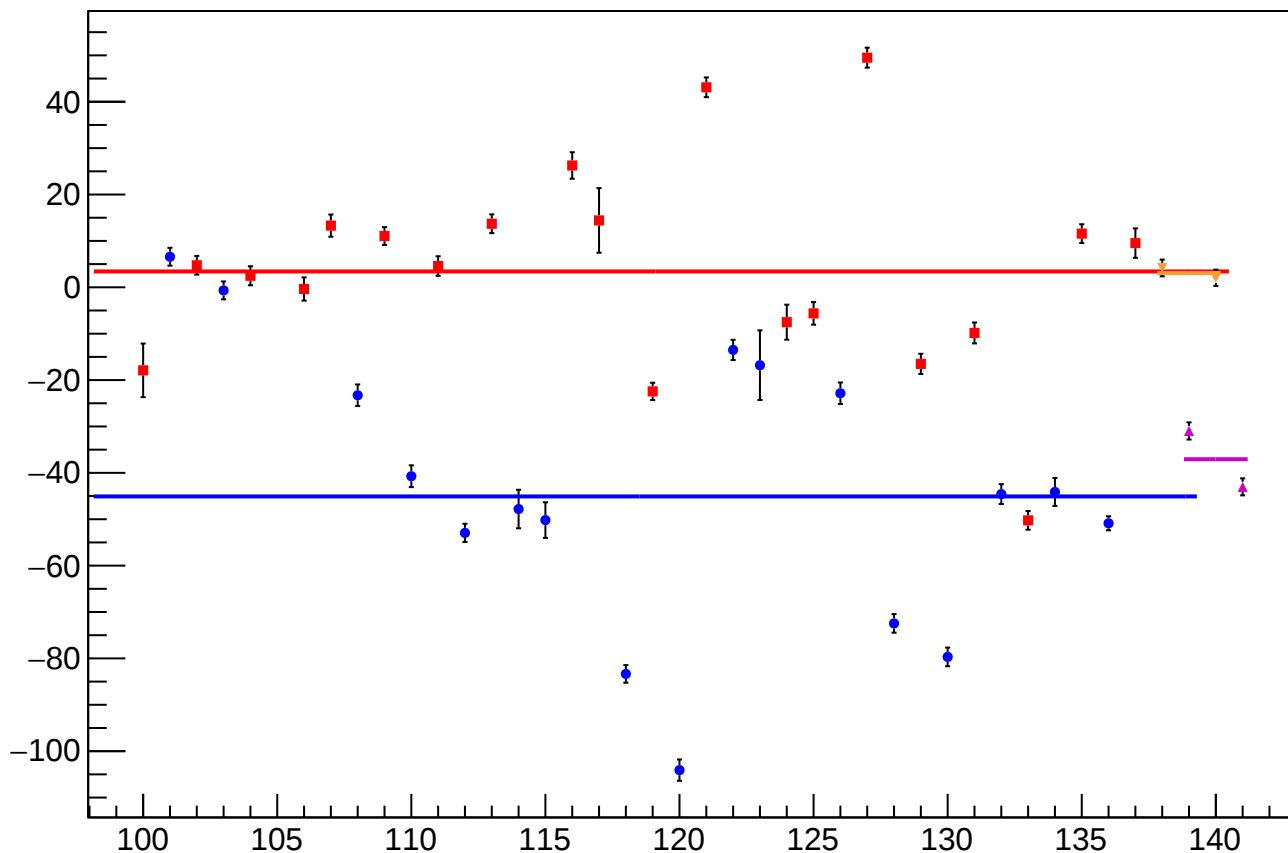
Right Out: 1013.260 ± 0.268 χ^2/NDF : 63359.8/19

Left In: 951.153 ± 0.545 χ^2/NDF : 248.6/1

995.289 ± 0.245 χ^2/NDF : 61394.1/18

1001.175 ± 0.240 χ^2/NDF : 74085.6/21

diff_bpm0i02X_mean vs Slug



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

Left Out: 3.078 ± 1.262 χ^2/NDF : 0.7/1

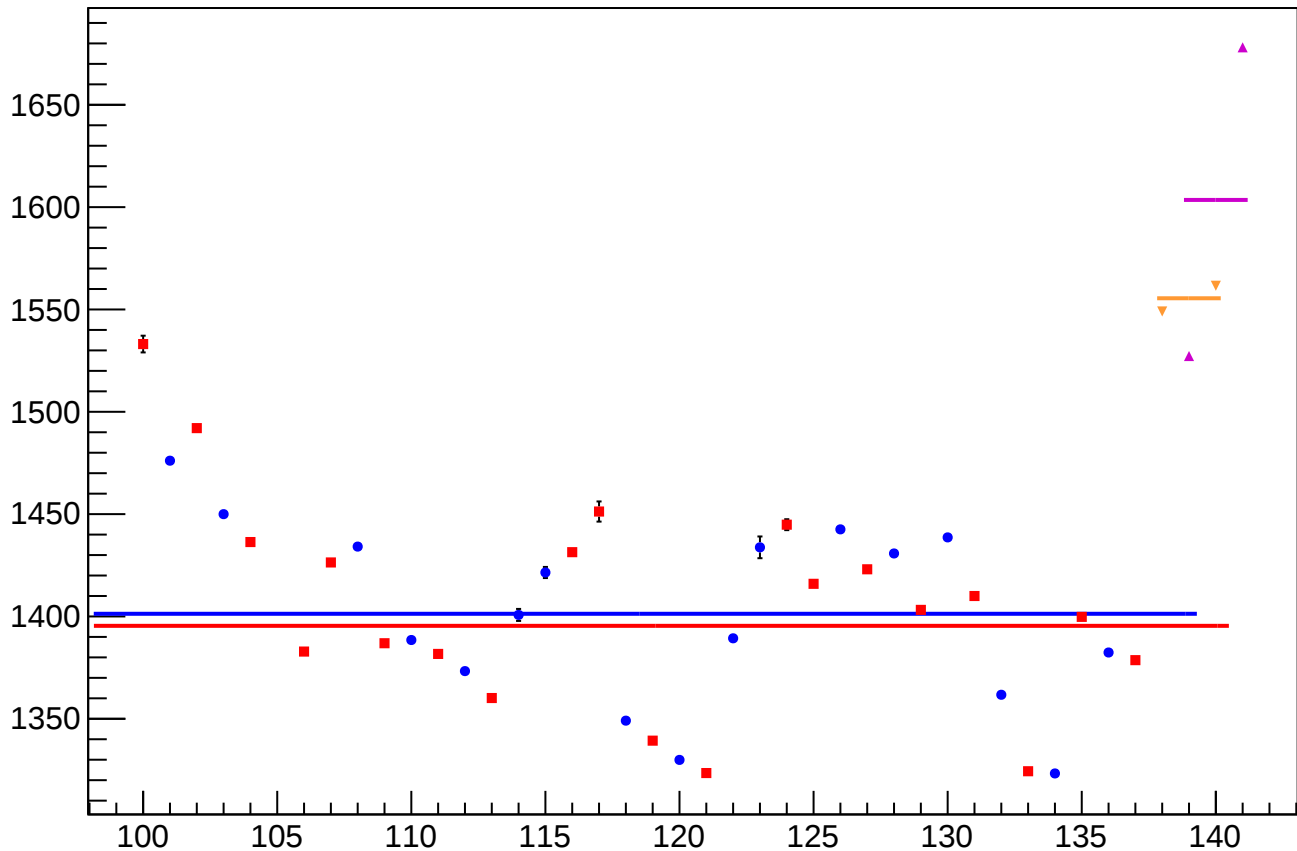
Right Out: 3.419 ± 0.520 χ^2/NDF : 2008.2/19

Left In: -37.060 ± 1.302 χ^2/NDF : 21.4/1

-37.630 ± 0.496 χ^2/NDF : 4470.7/18

-2.156 ± 0.483 χ^2/NDF : 2863.1/21

diff_bpm0i02X_rms vs Slug



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

Left Out: 1555.472 ± 0.892 χ^2/NDF : 49.5/1

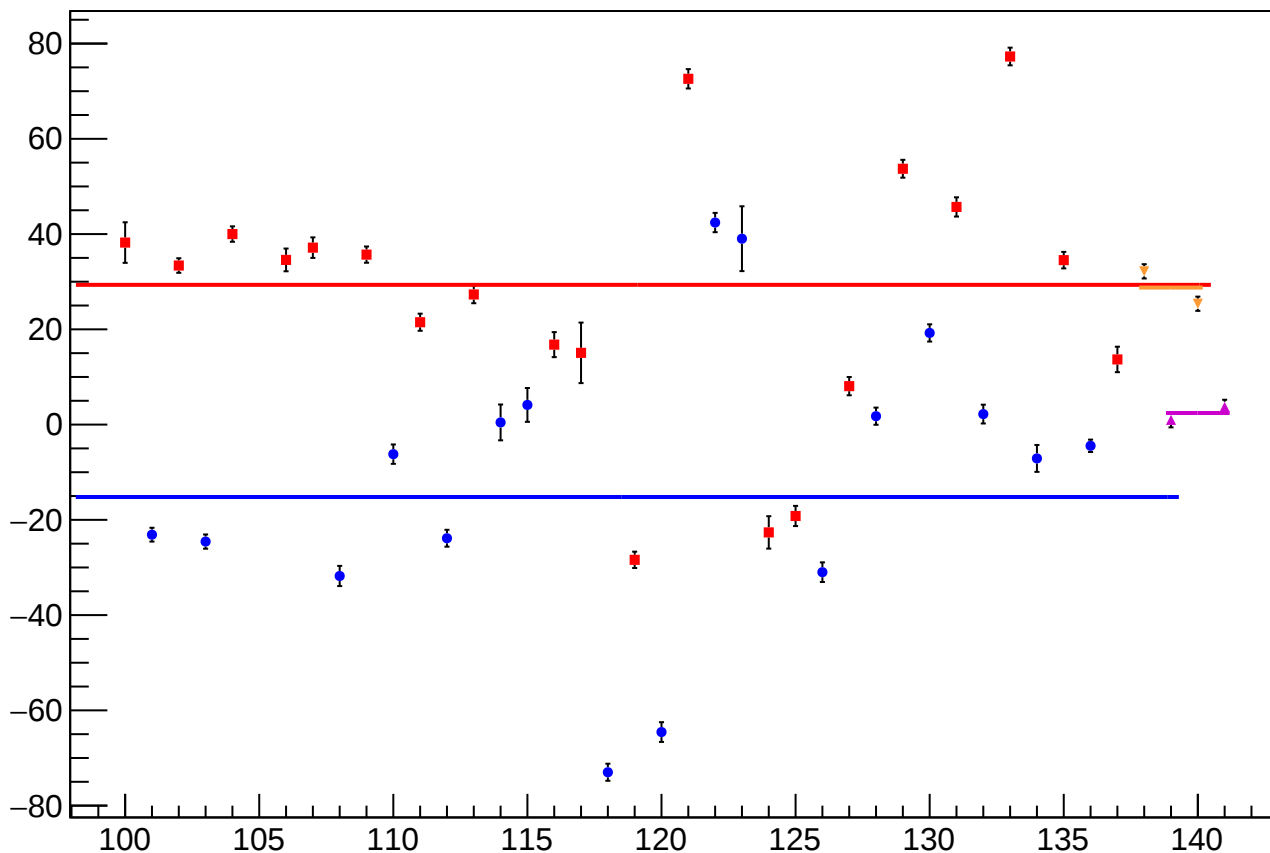
Right Out: 1395.419 ± 0.368 χ^2/NDF : 15649.3/19

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

1425.158 ± 0.351 χ^2/NDF : 38149.3/18

1424.080 ± 0.342 χ^2/NDF : 66415.6/21

diff_bpm0i02Y_mean vs Slug



Right In: -15.202 $\pm$ 0.472 χ^2 /NDF: 3362.5/16

Left Out: 28.767 $\pm$ 1.058 χ^2 /NDF:10.3/1

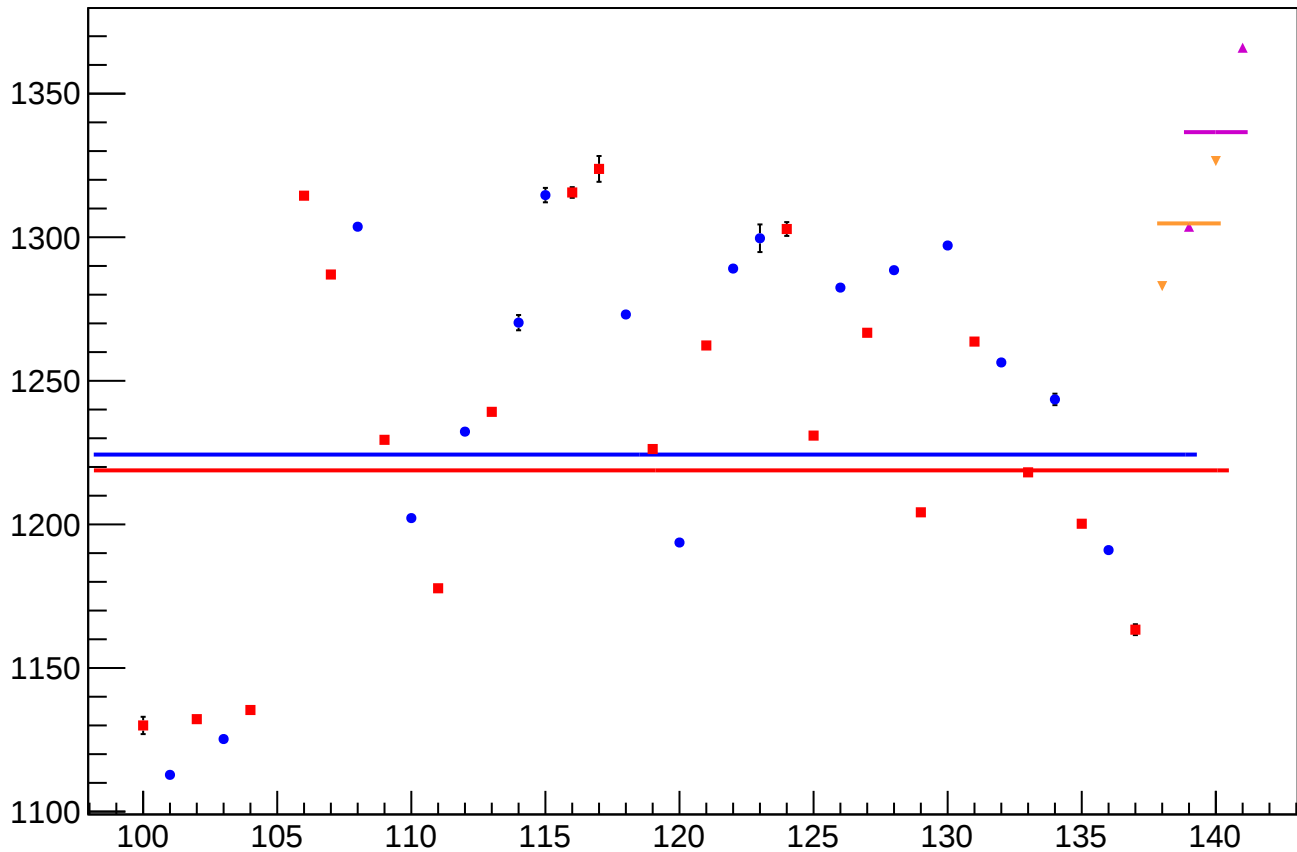
Right Out: 29.344 $\pm$ 0.455 χ^2 /NDF: 3549.9/19

Left In: 2.437 $\pm$ 1.085 χ^2 /NDF:1.6/1

-7.903 $\pm$ 0.431 χ^2 /NDF: 4812.5/18

25.321 $\pm$ 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: 1304.813 ± 0.748 χ^2/NDF : 846.7/1

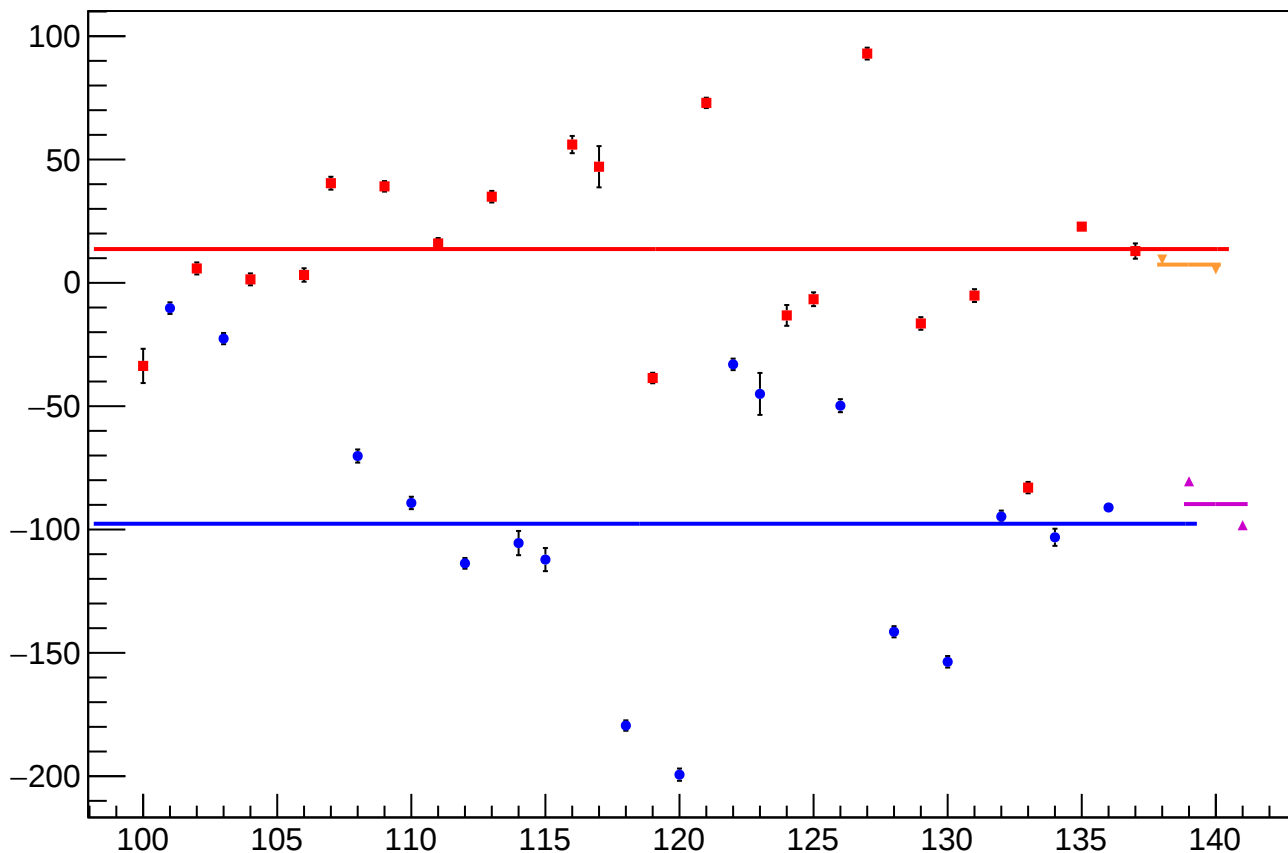
Right Out: 1218.817 ± 0.322 χ^2/NDF : 28121.5/19

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

1237.681 ± 0.305 χ^2/NDF : 49275.1/18

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: 7.405 ± 1.312 $\chi^2/\text{NDF}: 2.3/1$

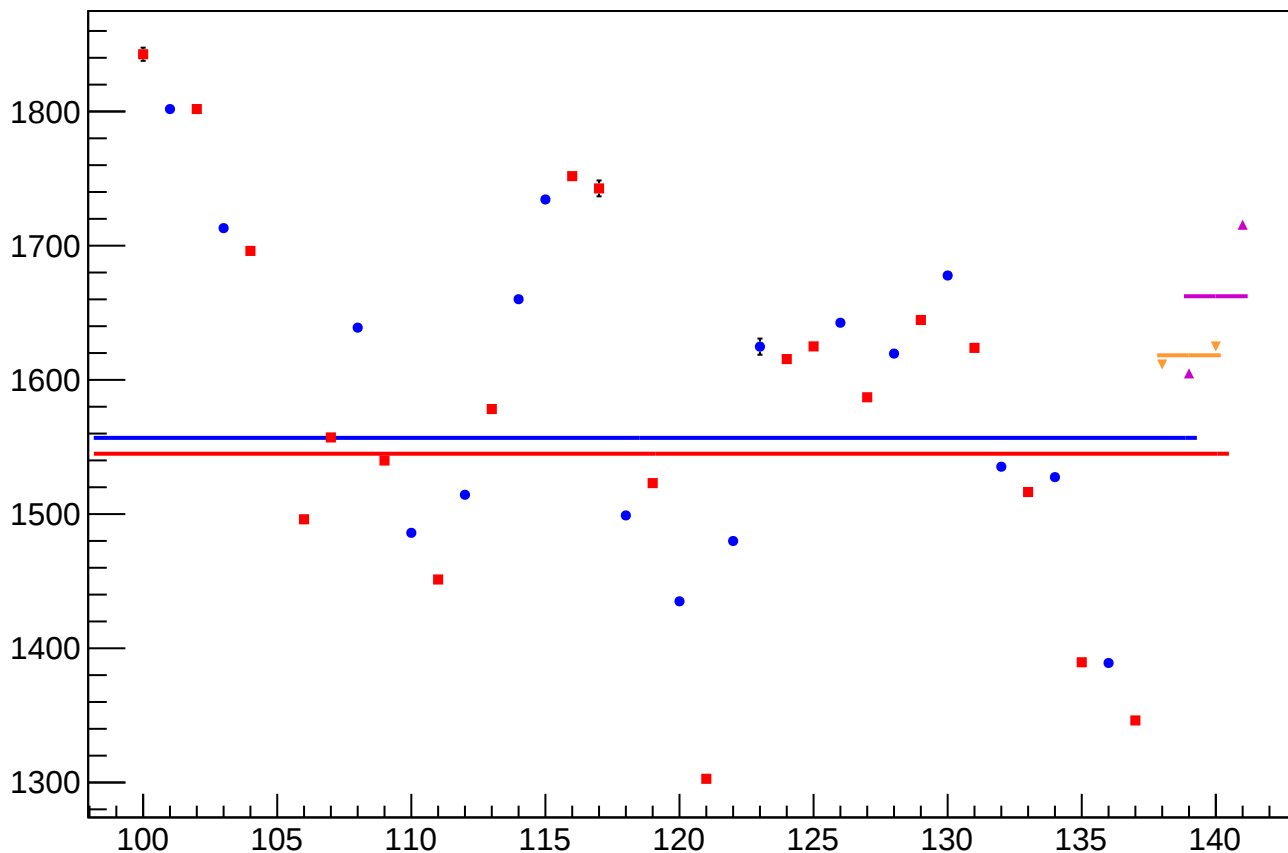
Right Out: 13.698 ± 0.578 $\chi^2/\text{NDF}: 5144.2/19$

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

-79.421 ± 0.547 $\chi^2/\text{NDF}: 13237.7/18$

-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: 1618.332 ± 0.928 χ^2/NDF : 52.4/1

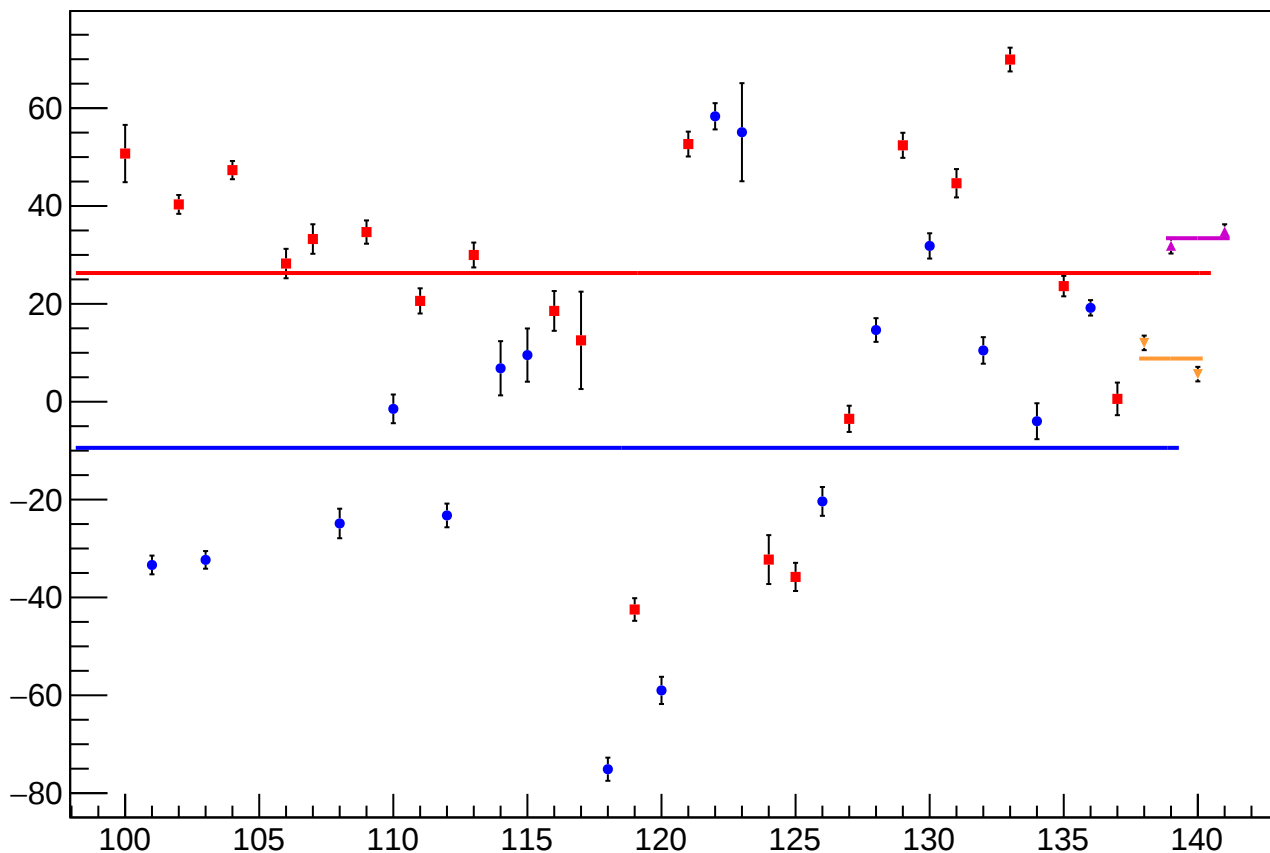
Right Out: 1544.983 ± 0.409 χ^2/NDF : 101624.6/19

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

1567.480 ± 0.387 χ^2/NDF : 85236.8/18

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: 8.827 ± 1.051 χ^2/NDF : 9.2/1

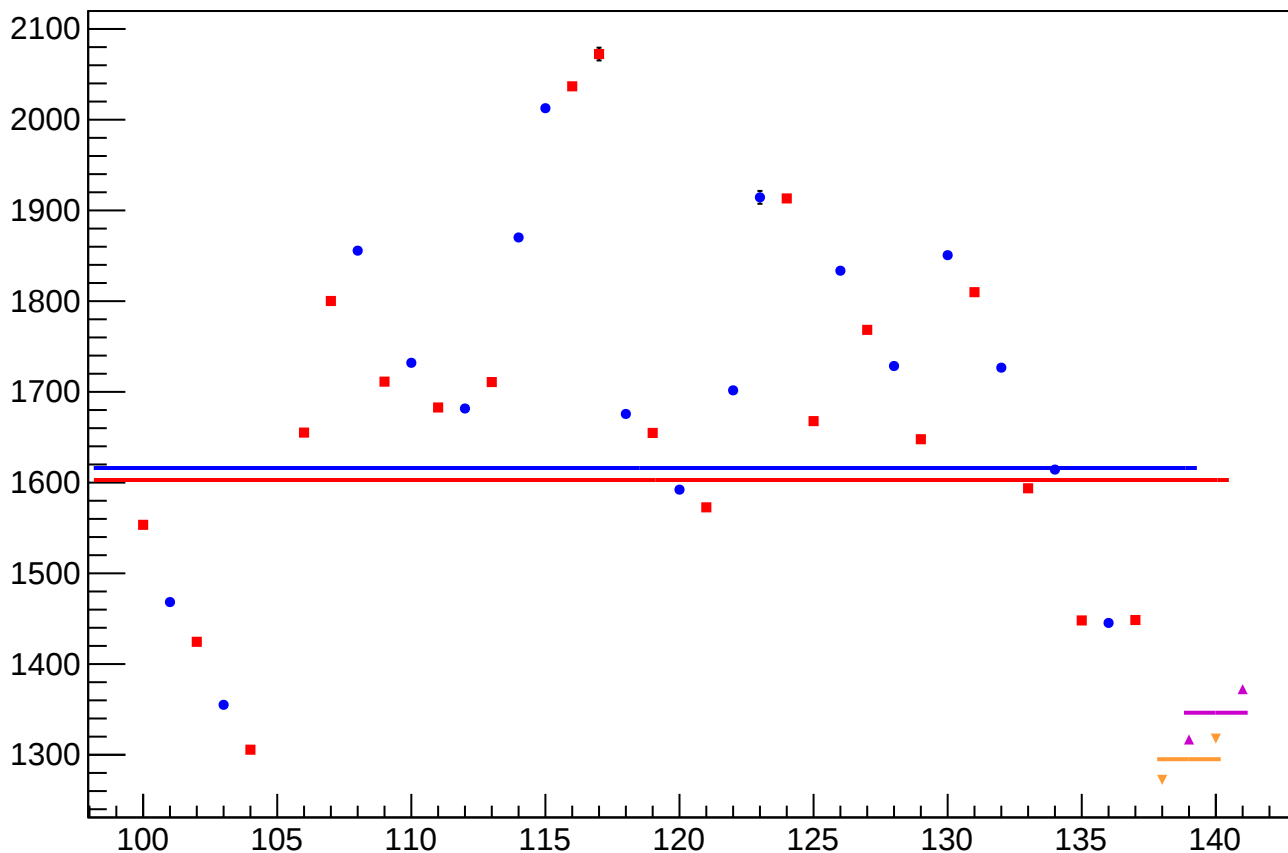
Right Out: 26.304 ± 0.602 χ^2/NDF : 2474.0/19

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

-4.644 ± 0.538 χ^2/NDF : 3155.8/18

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: 1295.136+/-0.743 χ^2/NDF : 933.4/1

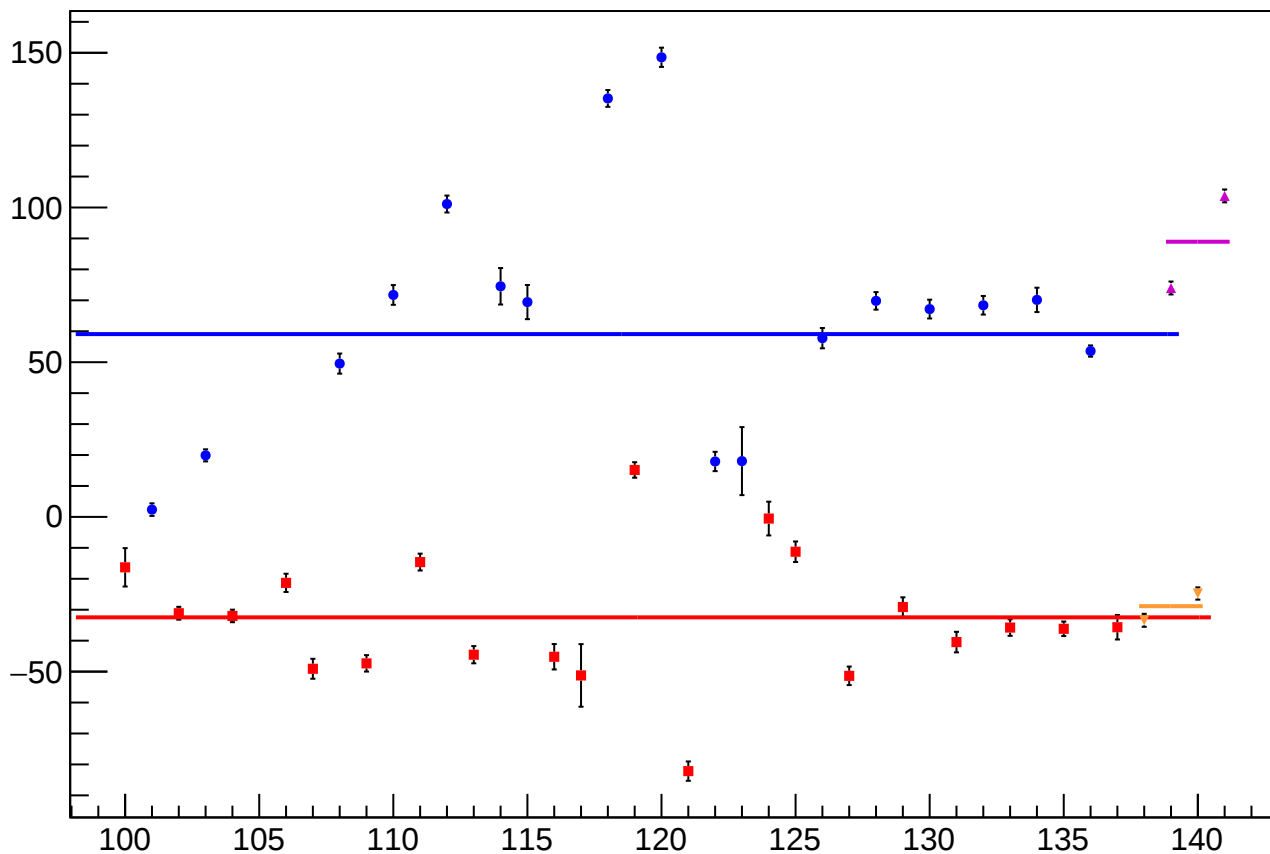
Right Out: 1602.857+/-0.425 χ^2/NDF : 158119.5/19

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

1531.991+/-0.381 χ^2/NDF : 288095.8/18

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: -28.856 ± 1.443 χ^2/NDF : 9.0/1

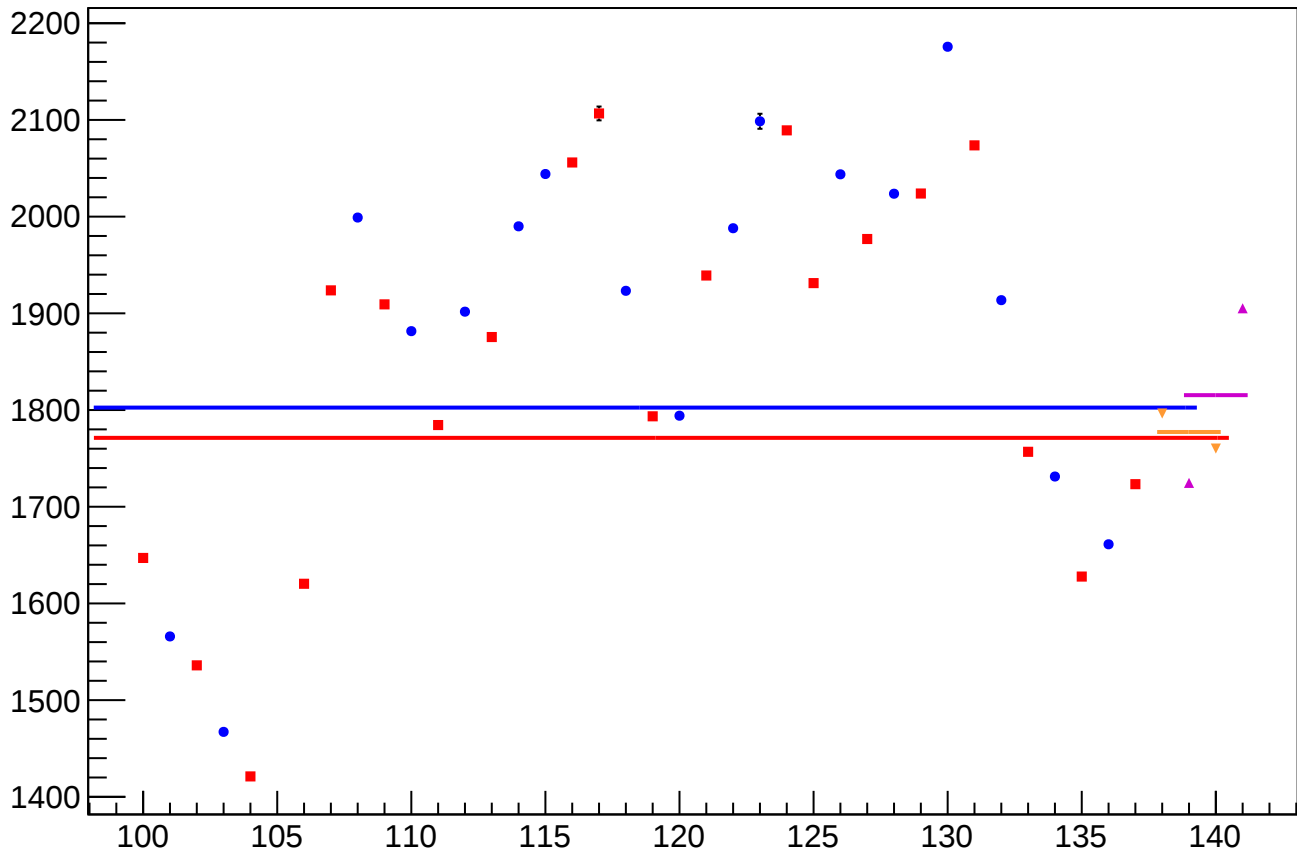
Right Out: -32.463 ± 0.665 χ^2/NDF : 894.9/19

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

42.343 ± 0.629 χ^2/NDF : 6311.2/18

-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: 1777.293+/-1.020 χ^2/NDF : 315.0/1

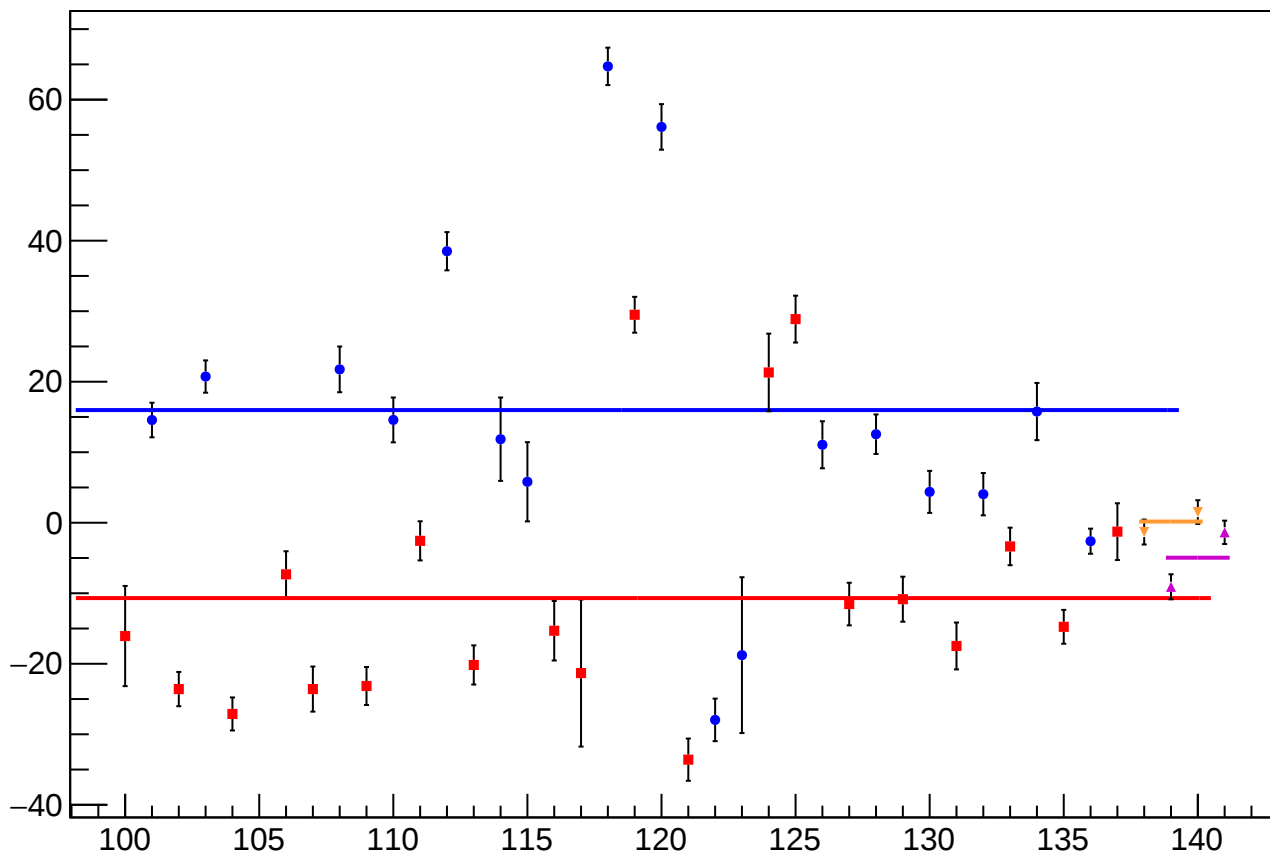
Right Out: 1771.228+/-0.470 χ^2/NDF : 180101.6/19

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

1797.721+/-0.445 χ^2/NDF : 184879.4/18

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: 0.168 ± 1.219 χ^2/NDF : 1.3/1

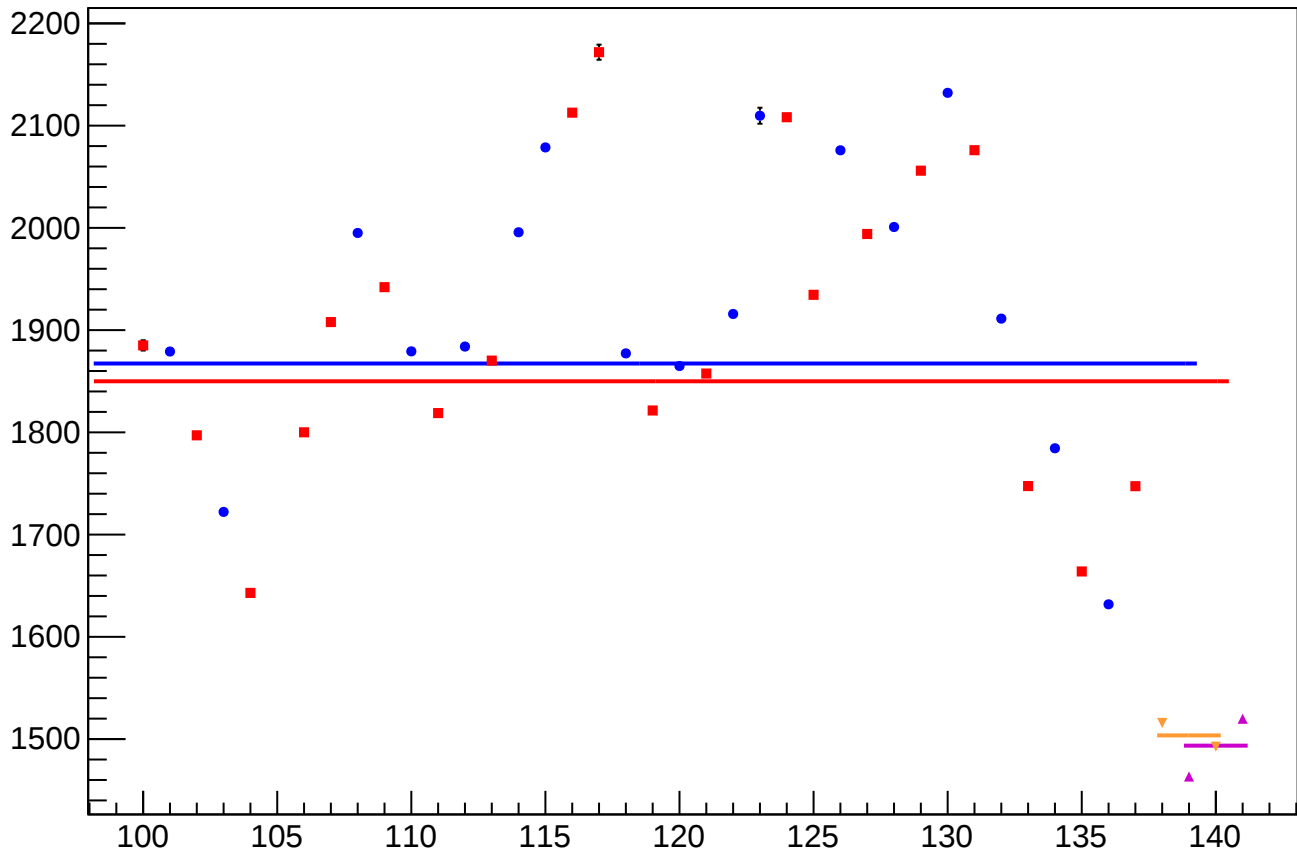
Right Out: -10.685 ± 0.692 χ^2/NDF : 643.2/19

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

11.876 ± 0.621 χ^2/NDF : 1064.2/18

-9.274 ± 0.601 χ^2/NDF : 670.2/21

diff_bpm0i05Y_rms vs Slug



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

Left Out: 1503.593 $\pm$ 0.862 χ^2 /NDF:179.7/1

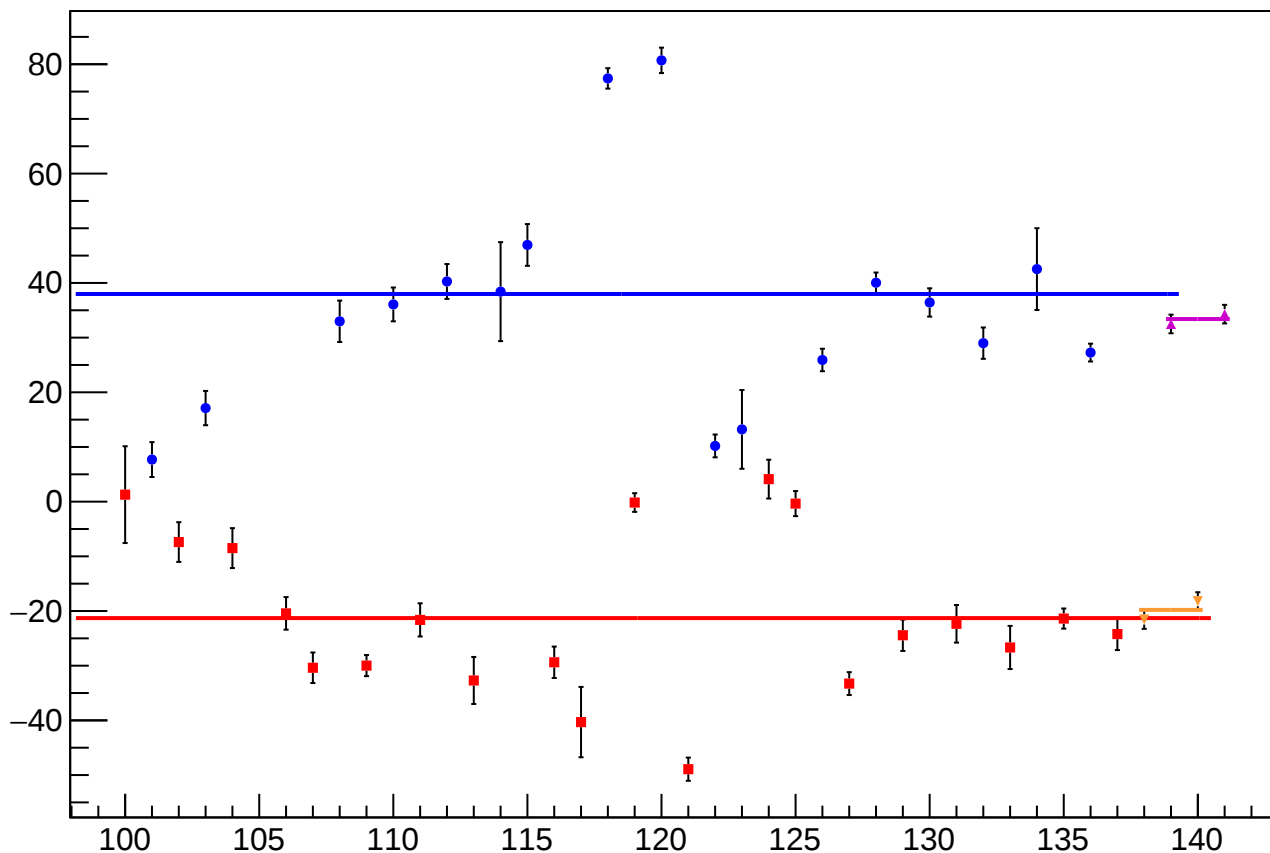
Right Out: 1849.954 $\pm$ 0.489 χ^2 /NDF: 74440.9/19

Left In: 1493.572 $\pm$ 0.856 χ^2 /NDF:1084.2/1

1773.001 $\pm$ 0.439 χ^2 /NDF: 212905.9/18

1762.206 $\pm$ 0.425 χ^2 /NDF: 206203.4/21

diff_bpm0i07X_mean vs Slug



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

Left Out: -19.797+/-1.185 χ^2 /NDF: 2.0/1

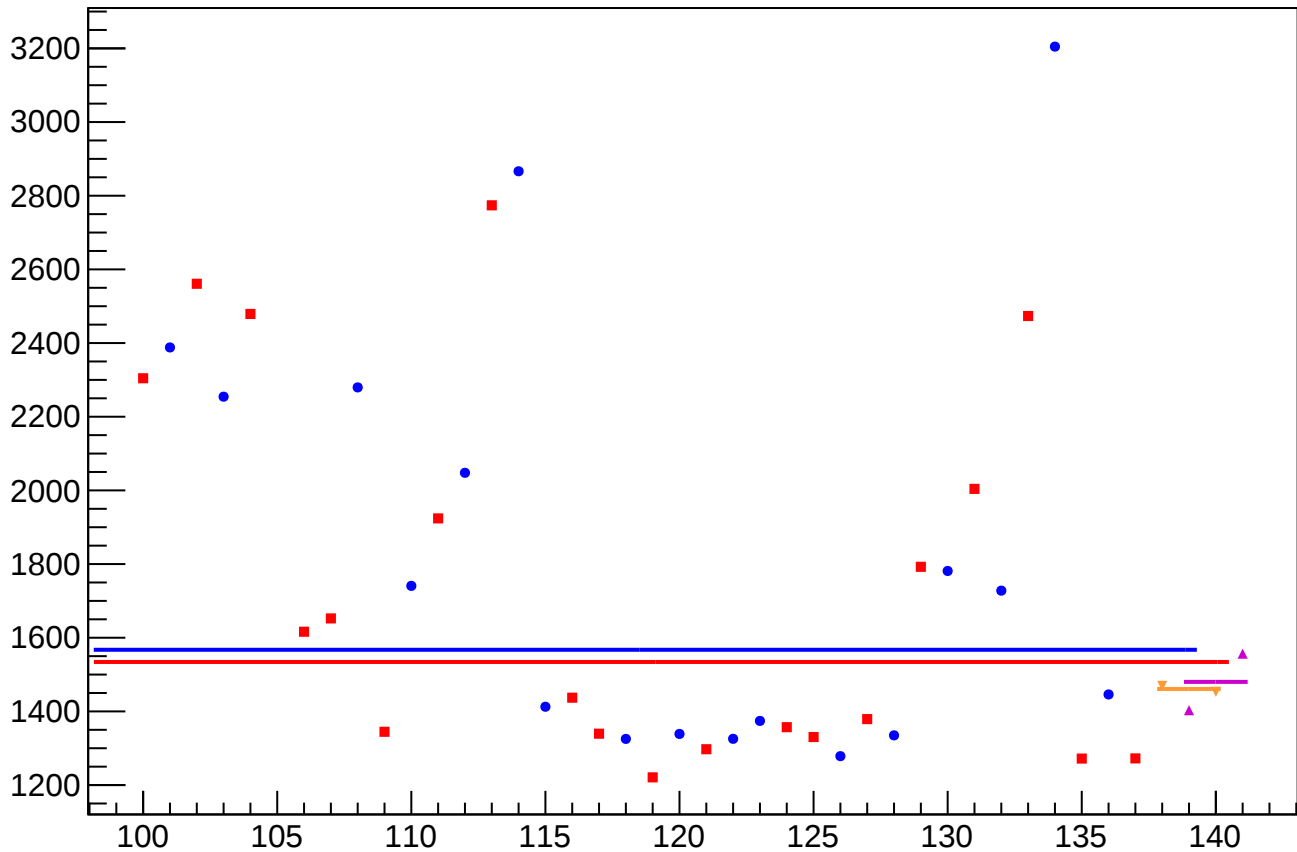
Right Out: -21.294+/-0.606 χ^2 /NDF: 582.5/19

Left In: 33.398+/-1.203 χ^2 /NDF: 0.6/1

25.019+/-0.561 χ^2 /NDF: 3049.5/18

-10.229+/-0.541 χ^2 /NDF: 2233.0/21

diff_bpm0i07X_rms vs Slug



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

Left Out: 1460.920+/-0.838 χ^2 /NDF:92.0/1

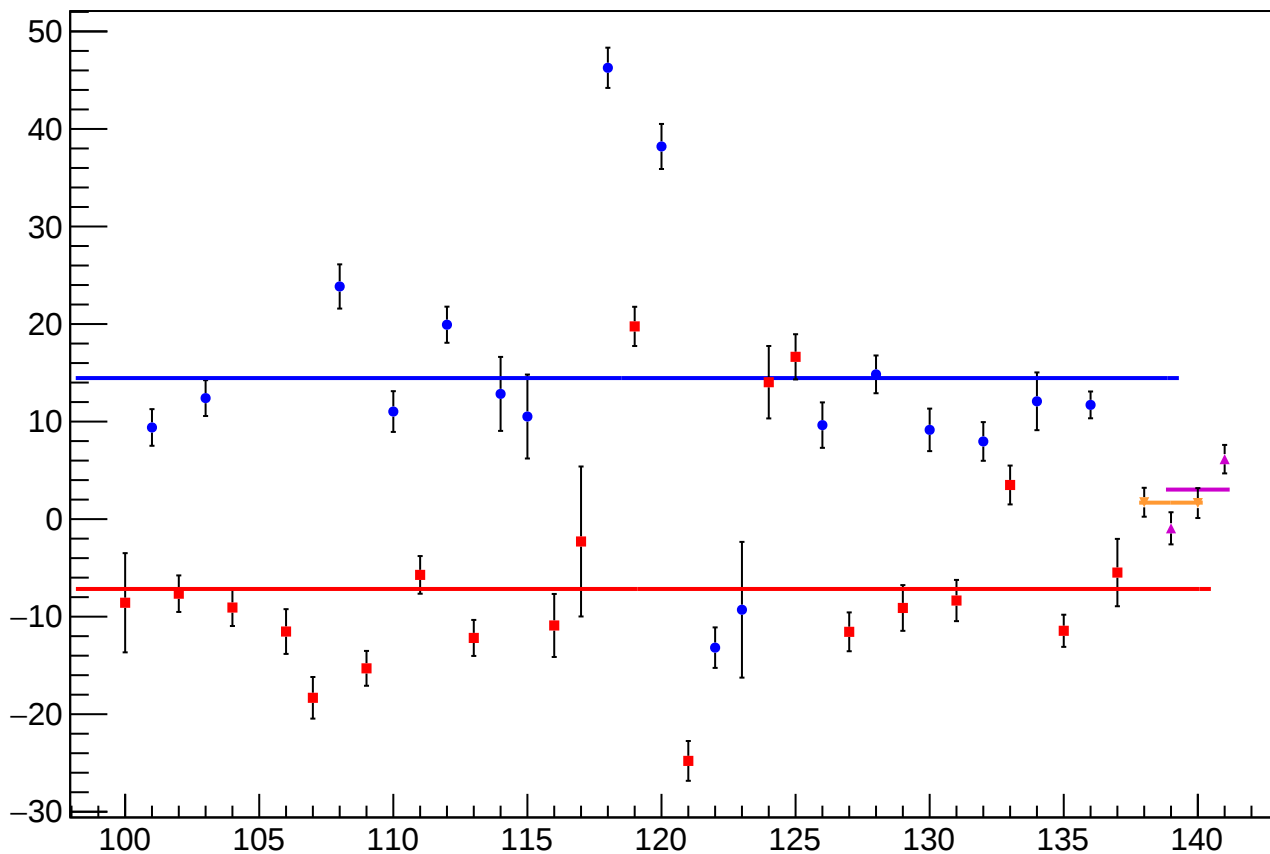
Right Out: 1534.225+/-0.428 χ^2 /NDF: 883947.6/19

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

1543.460+/-0.397 χ^2 /NDF: 686047.2/18

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: 1.689 ± 1.066 χ^2/NDF : 0.0/1

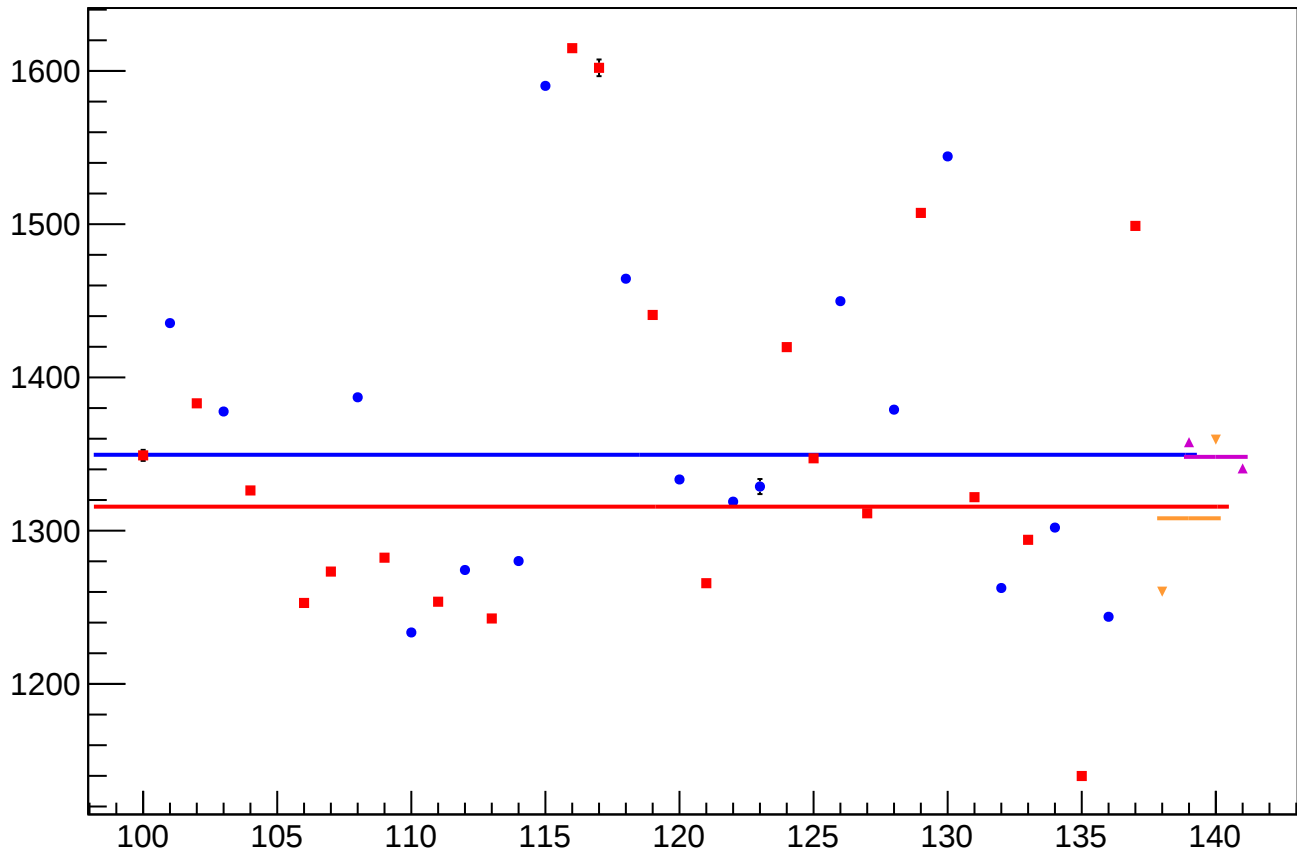
Right Out: -7.161 ± 0.493 χ^2/NDF : 496.1/19

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

11.980 ± 0.470 χ^2/NDF : 711.7/18

-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: 1308.076+/-0.754 χ^2/NDF : 4327.7/1

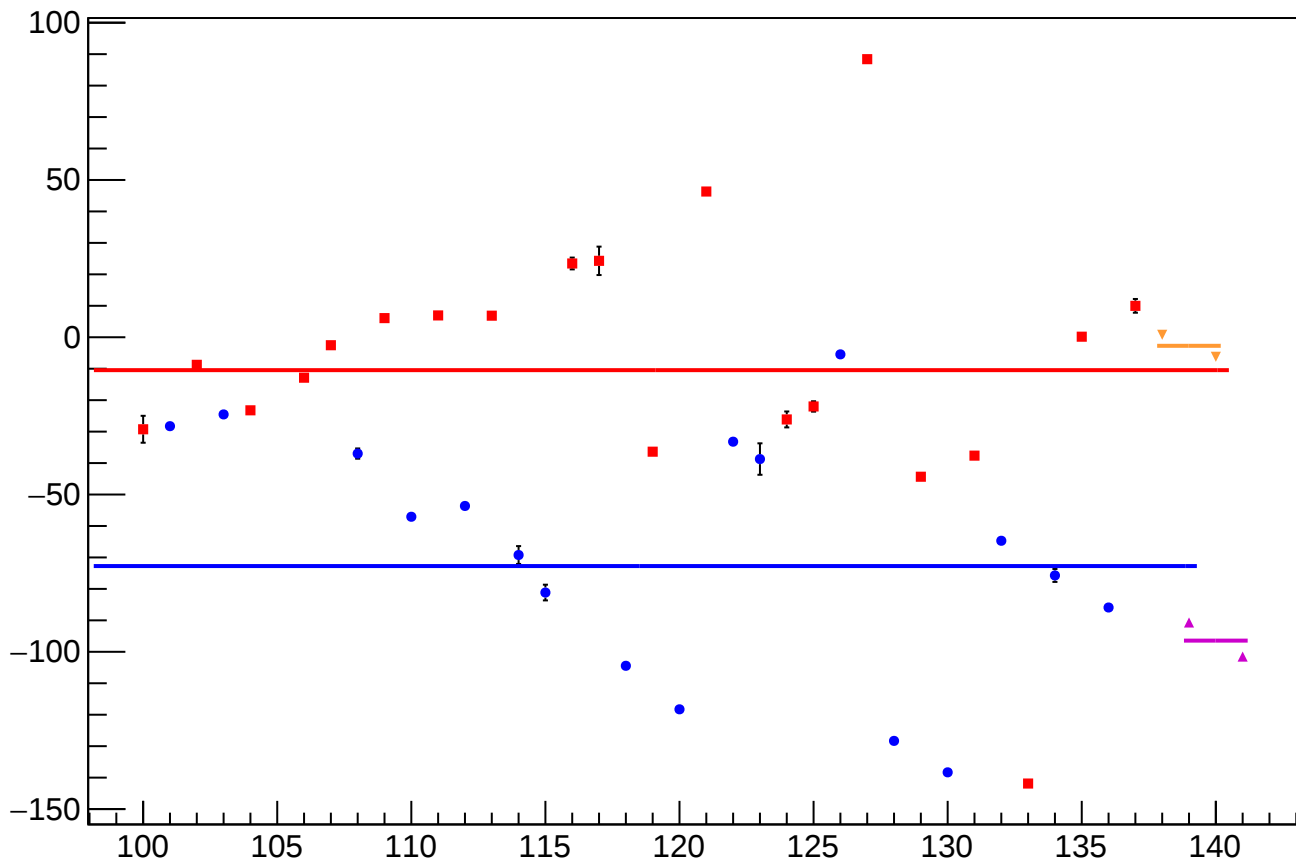
1341.473+/-0.332 χ^2/NDF : 71432.5/18

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

1321.173+/-0.318 χ^2/NDF : 85329.5/21

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

diff_bpm1i02X_mean vs Slug



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

Left Out: -2.719 ± 0.738 $\chi^2/\text{NDF}: 22.5/1$

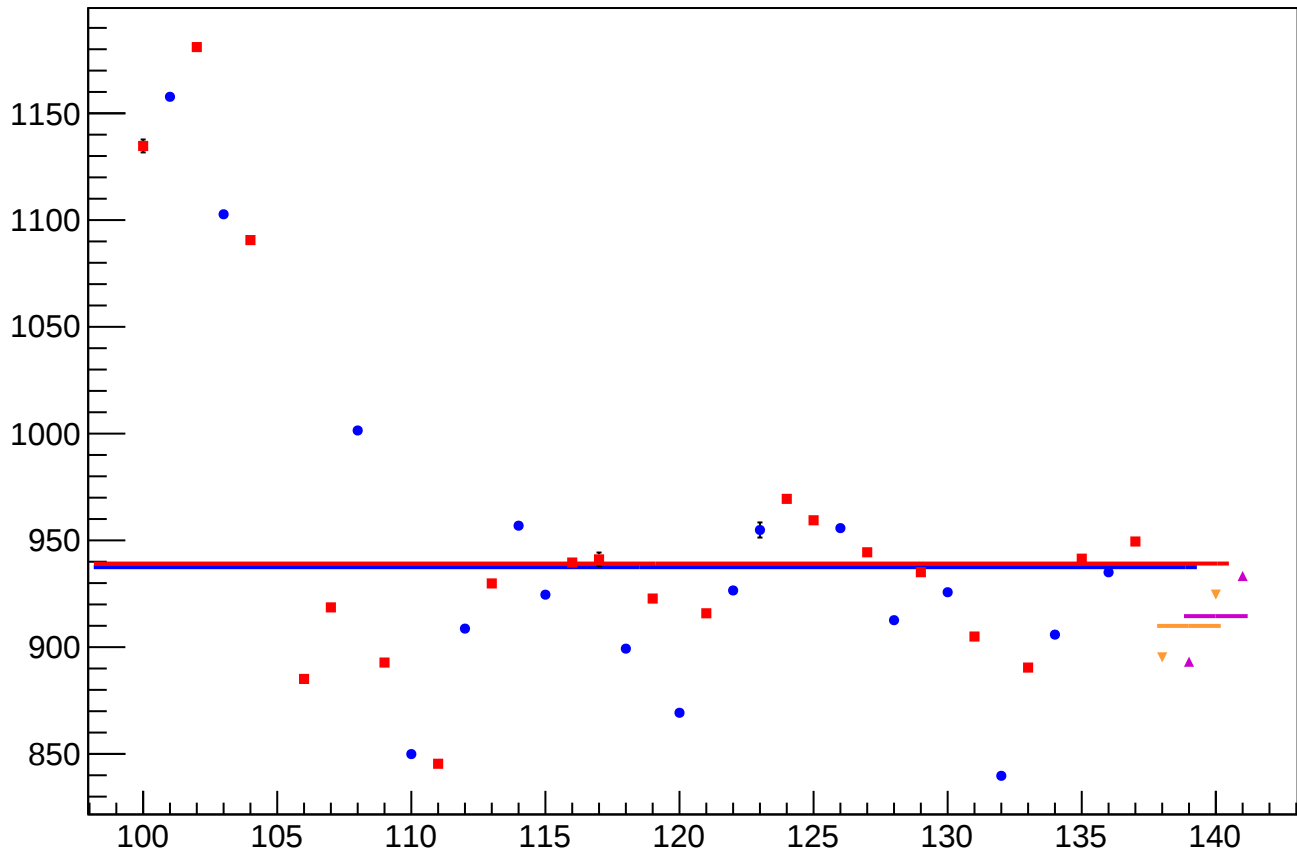
Right Out: -10.459 ± 0.351 $\chi^2/\text{NDF}: 18230.6/19$

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

-59.127 ± 0.325 $\chi^2/\text{NDF}: 18973.1/18$

-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: 909.952 $\pm$ 0.522 χ^2 /NDF: 793.9/1

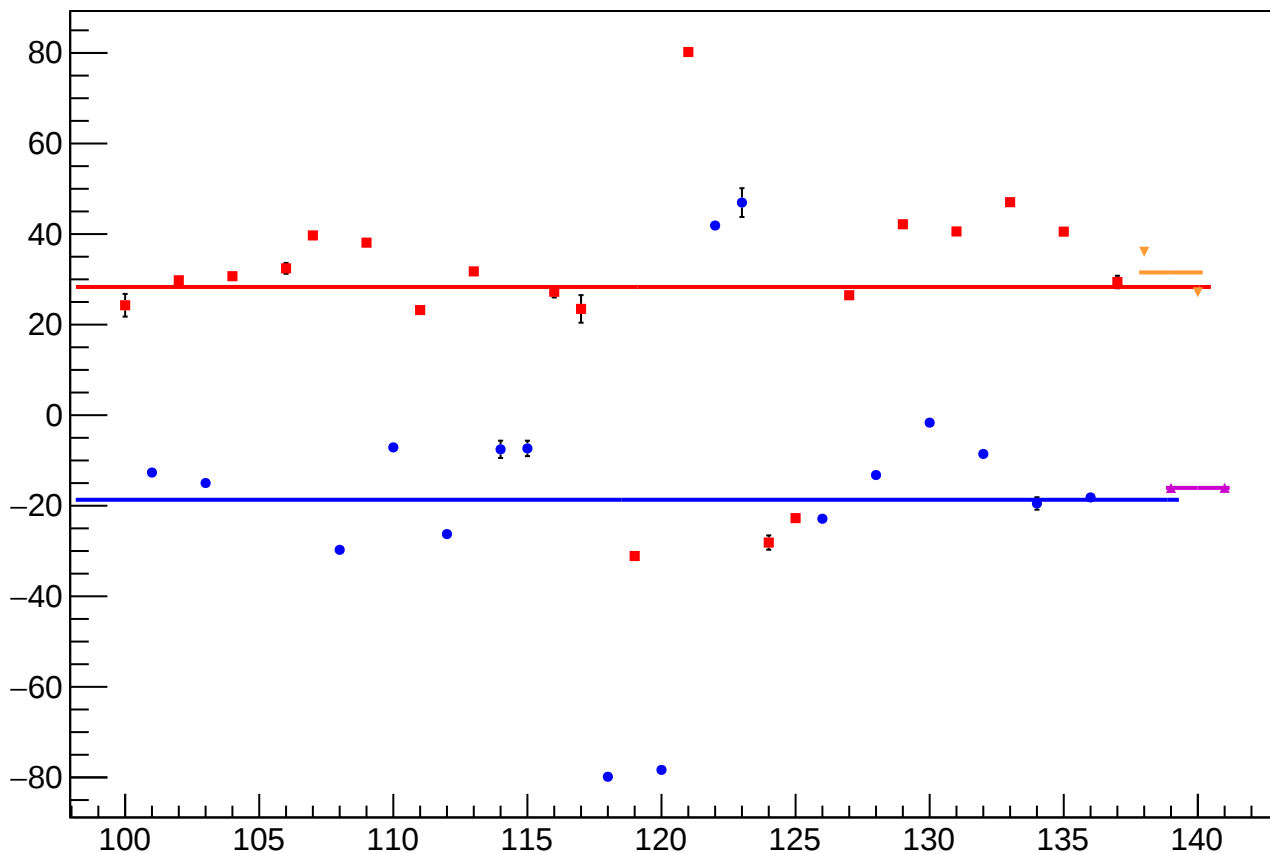
Right Out: 939.152 $\pm$ 0.248 χ^2 /NDF: 90253.6/19

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

932.107 $\pm$ 0.230 χ^2 /NDF: 101341.5/18

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: 31.528+/-0.517 χ^2/NDF : 74.7/1

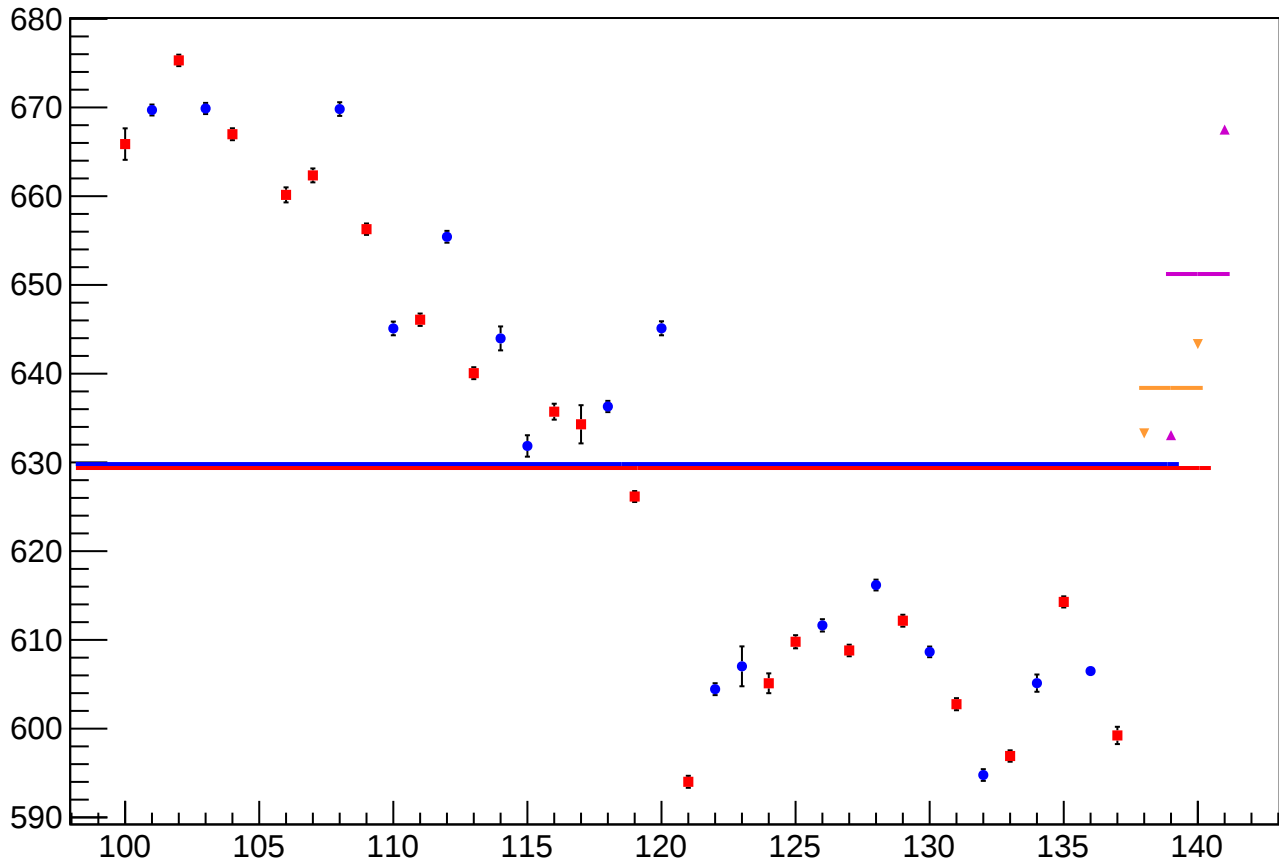
Right Out: 28.318+/-0.235 χ^2/NDF : 12510.6/19

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

-9.627+/-0.220 χ^2/NDF : 20803.6/18

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: 638.396 $\pm$ 0.366 χ^2 /NDF:189.1/1

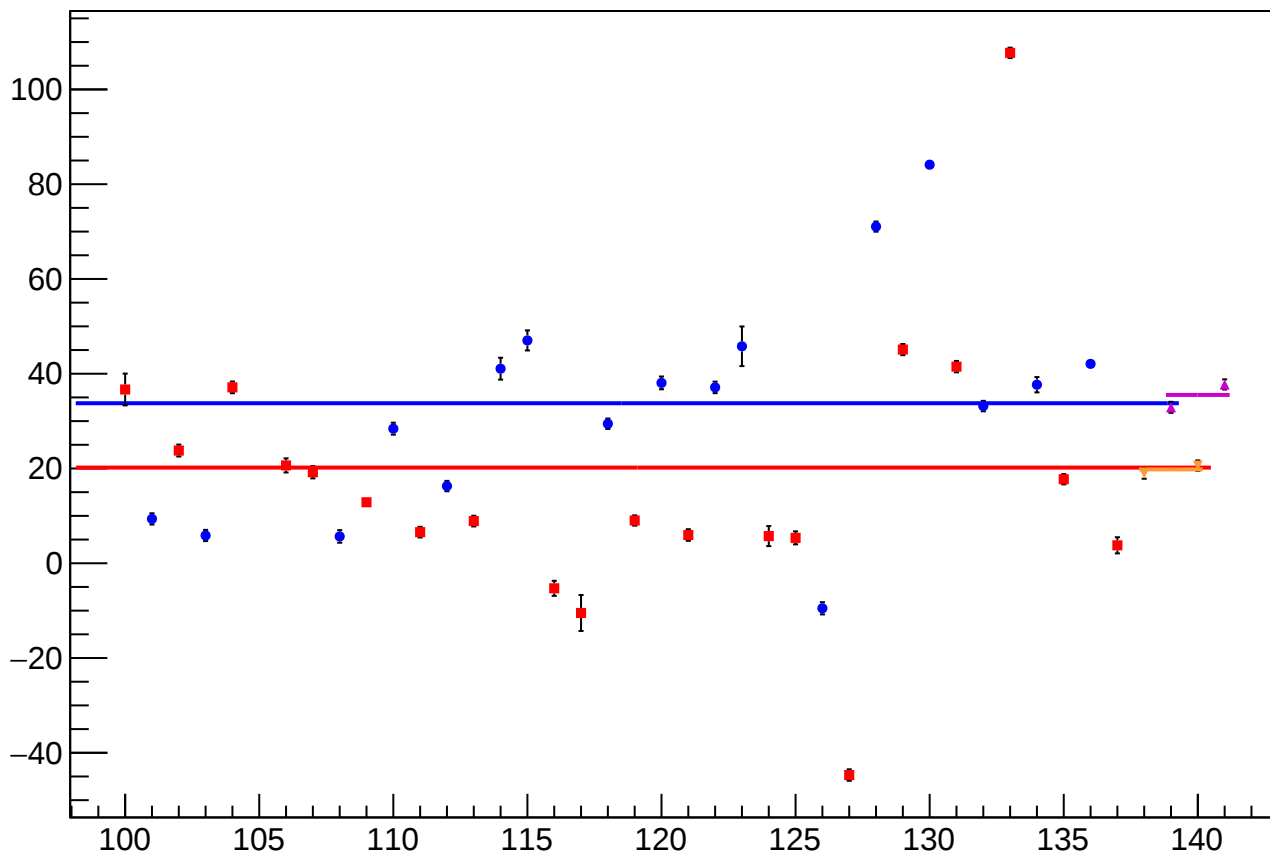
Right Out: 629.370 $\pm$ 0.166 χ^2 /NDF: 25543.7/19

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

631.362 $\pm$ 0.155 χ^2 /NDF: 23938.6/18

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

diff_bpm1i04X_mean vs Slug



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

Left Out: 19.812 ± 0.785 χ^2/NDF : 1.1/1

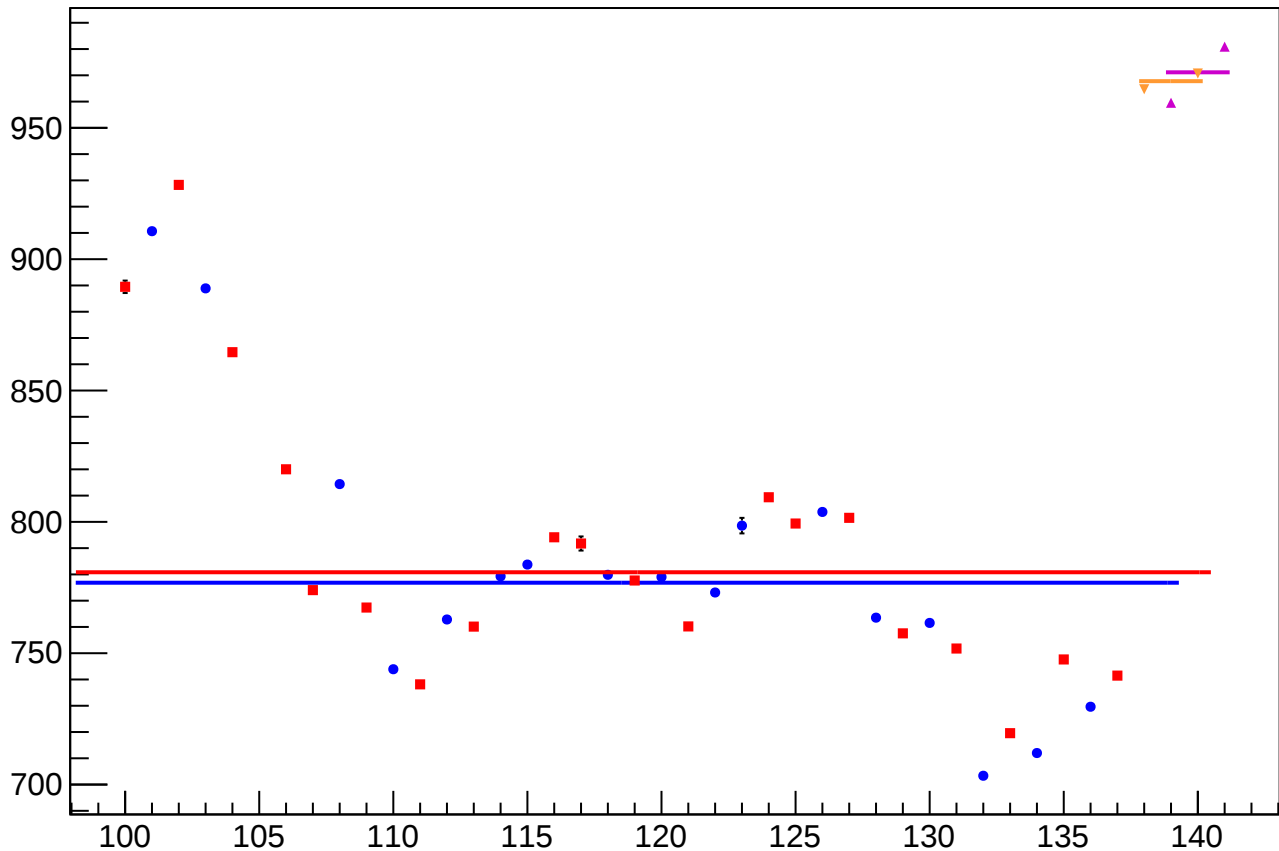
Right Out: 20.193 ± 0.292 χ^2/NDF : 11353.3/19

Left In: 35.527 ± 0.787 χ^2/NDF : 9.3/1

31.993 ± 0.280 χ^2/NDF : 6765.3/18

22.046 ± 0.273 χ^2/NDF : 11696.6/21

diff_bpm1i04X_rms vs Slug



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

Left Out: 967.775 $\pm$ 0.555 χ^2 /NDF: 29.3/1

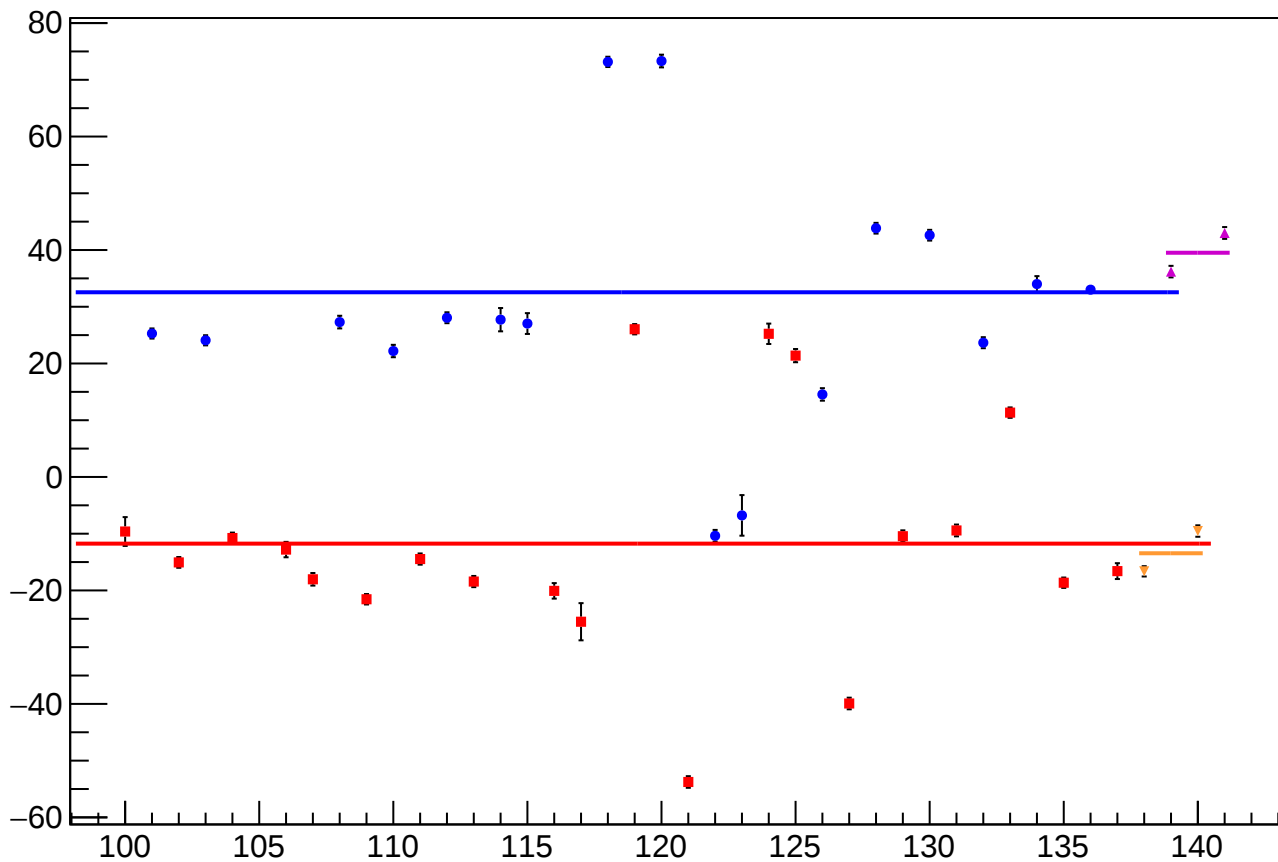
Right Out: 780.820 $\pm$ 0.206 χ^2 /NDF: 57445.6/19

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

801.182 $\pm$ 0.198 χ^2 /NDF: 170880.6/18

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

diff_bpm1i04Y_mean vs Slug



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

Left Out: -13.449 $\pm$ 0.675 χ^2 /NDF:27.4/1

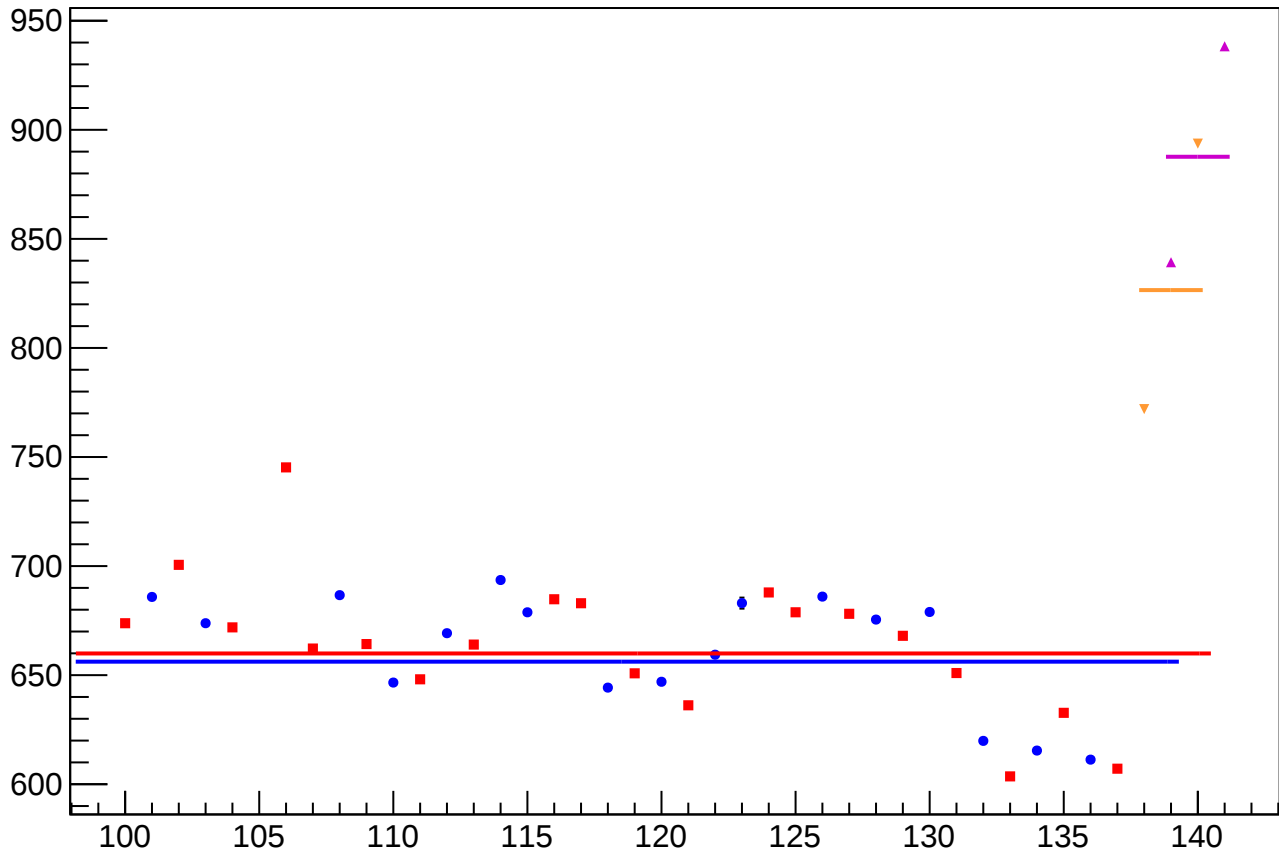
Right Out: -11.752 $\pm$ 0.246 χ^2 /NDF: 6375.4/19

Left In: 39.519 $\pm$ 0.728 χ^2 /NDF:21.8/1

26.896 $\pm$ 0.237 χ^2 /NDF: 10169.9/18

-6.493 $\pm$ 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: 826.521+/-0.478 χ^2/NDF : 16066.2/1

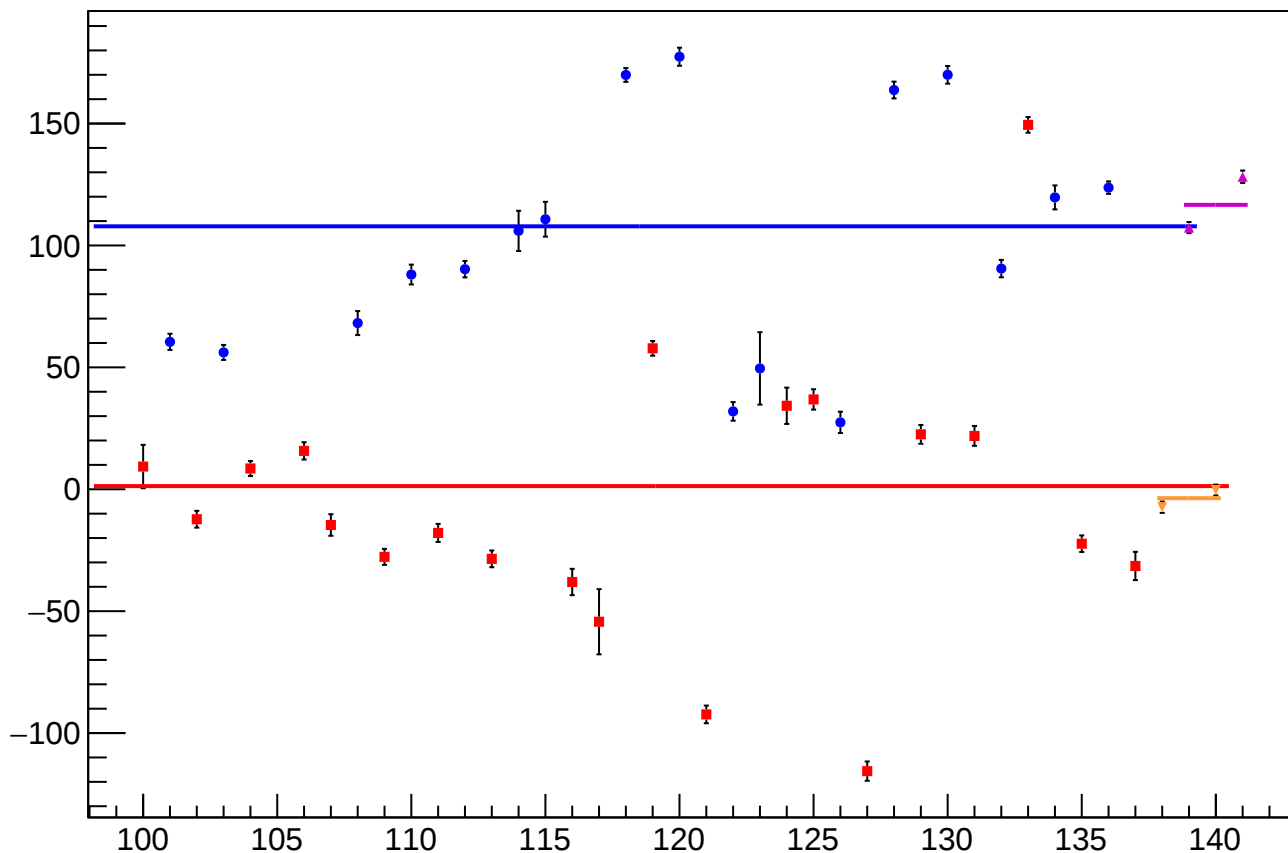
Right Out: 659.944+/-0.174 χ^2/NDF : 28425.0/19

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

677.126+/-0.167 χ^2/NDF : 151237.2/18

683.302+/-0.165 χ^2/NDF : 213014.6/21

diff_bpm1i06X_mean vs Slug



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

Left Out: -3.659 $\pm$ 1.611 χ^2 /NDF: 4.8/1

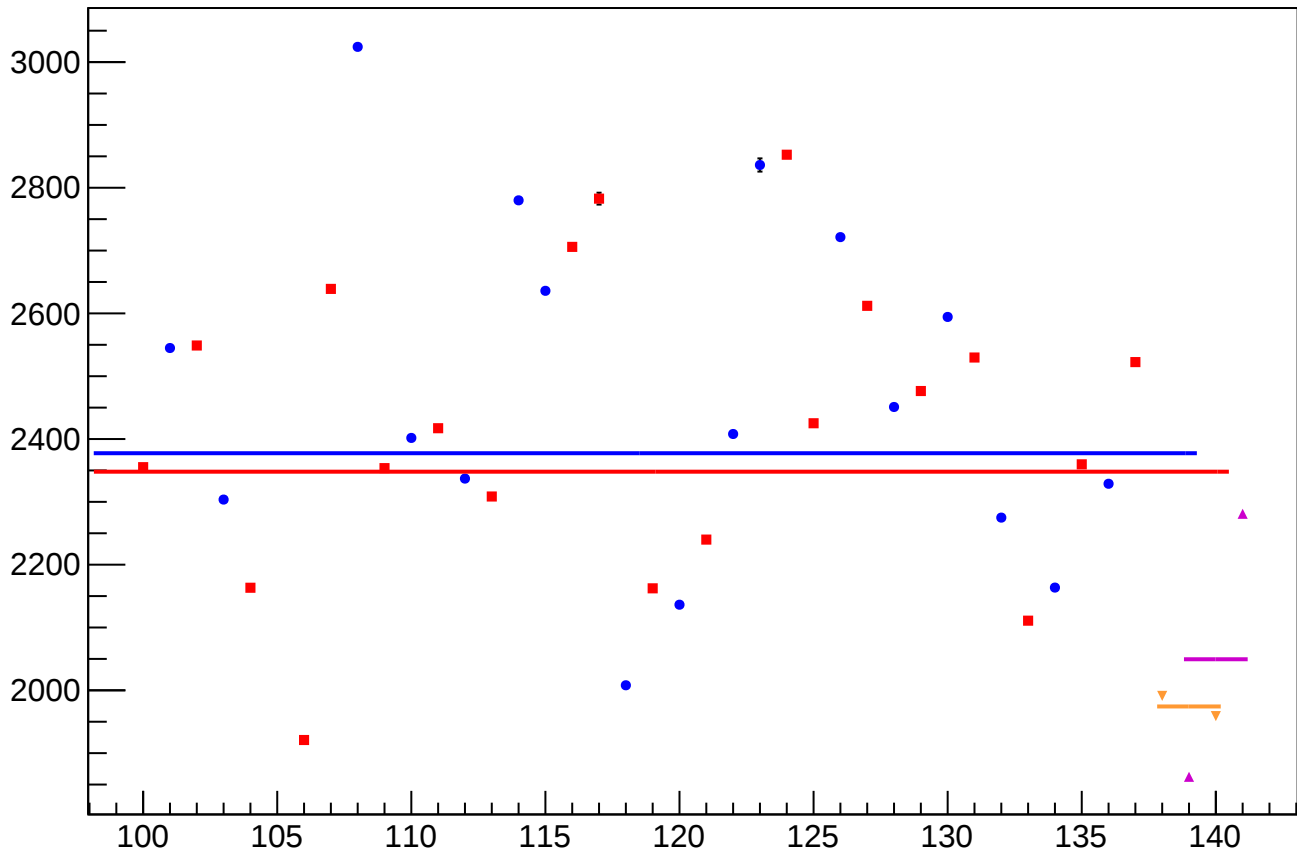
Right Out: 1.299 $\pm$ 0.881 χ^2 /NDF: 4541.1/19

Left In: 116.656 $\pm$ 1.694 χ^2 /NDF: 37.5/1

80.353 $\pm$ 0.800 χ^2 /NDF: 6424.6/18

25.880 $\pm$ 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: 1974.299+/-1.139 χ^2/NDF :199.5/1

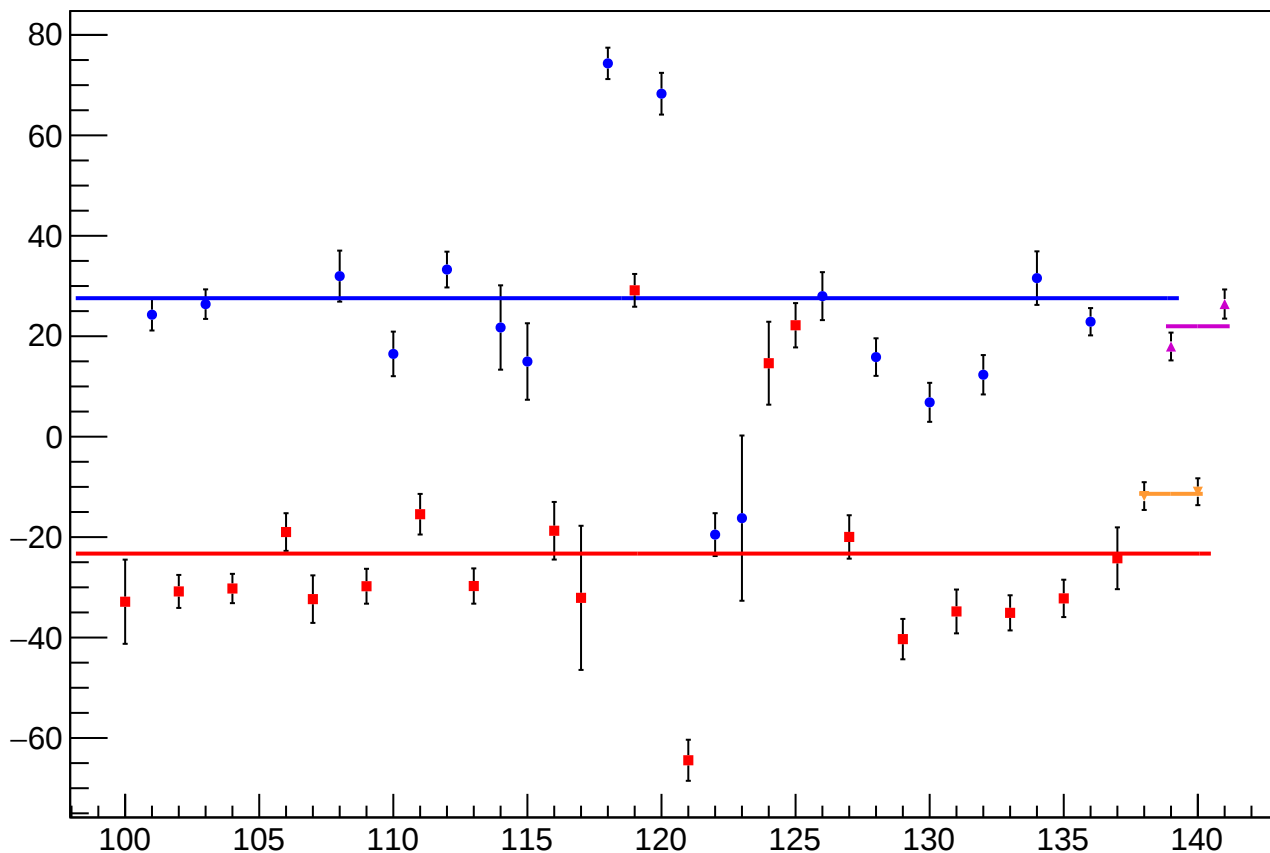
Right Out: 2348.017+/-0.623 χ^2/NDF : 110379.6/19

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

2278.011+/-0.566 χ^2/NDF : 214228.4/18

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: -11.379 ± 1.923 χ^2/NDF : 0.1/1

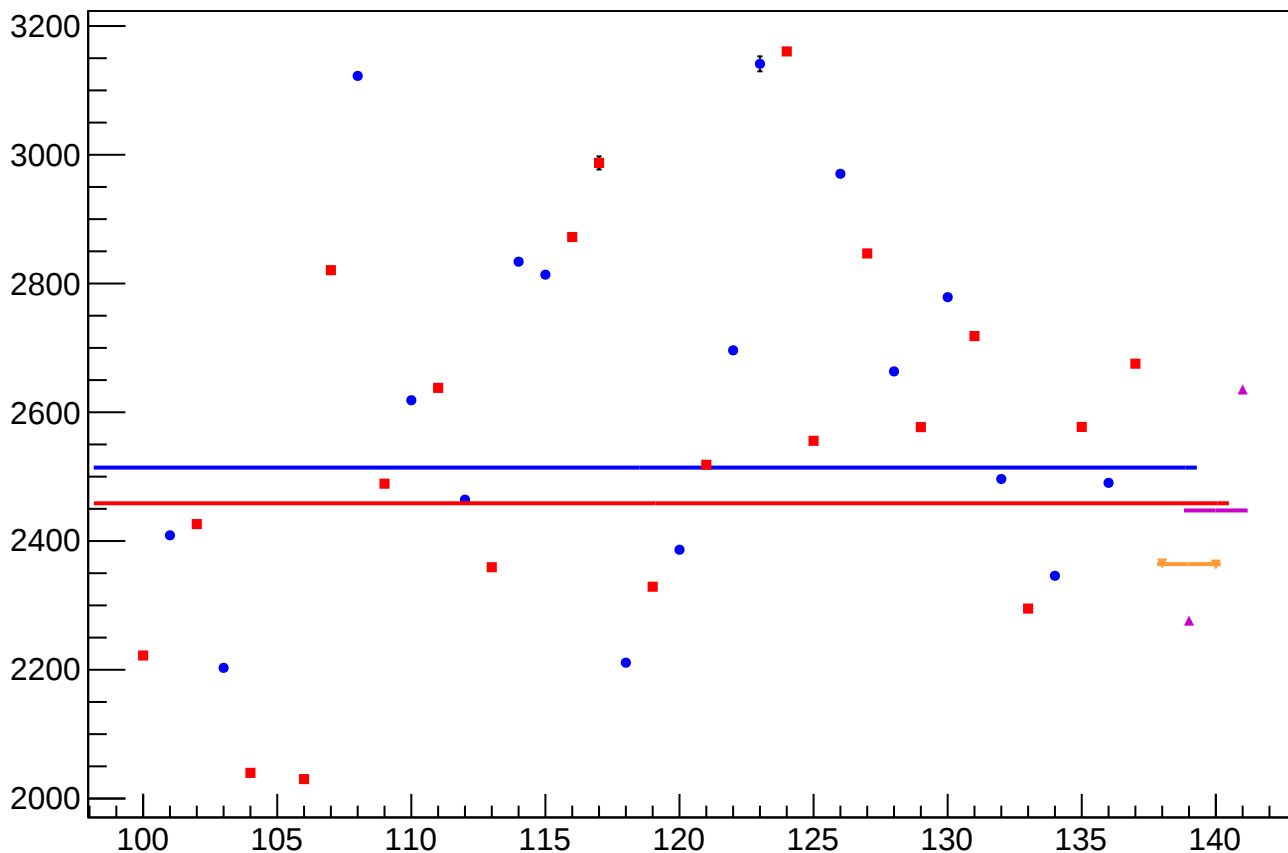
Right Out: -23.280 ± 0.925 χ^2/NDF : 558.2/19

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

19.611 ± 0.869 χ^2/NDF : 846.2/18

-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: 2364.144+/-1.360 χ^2/NDF : 0.4/1

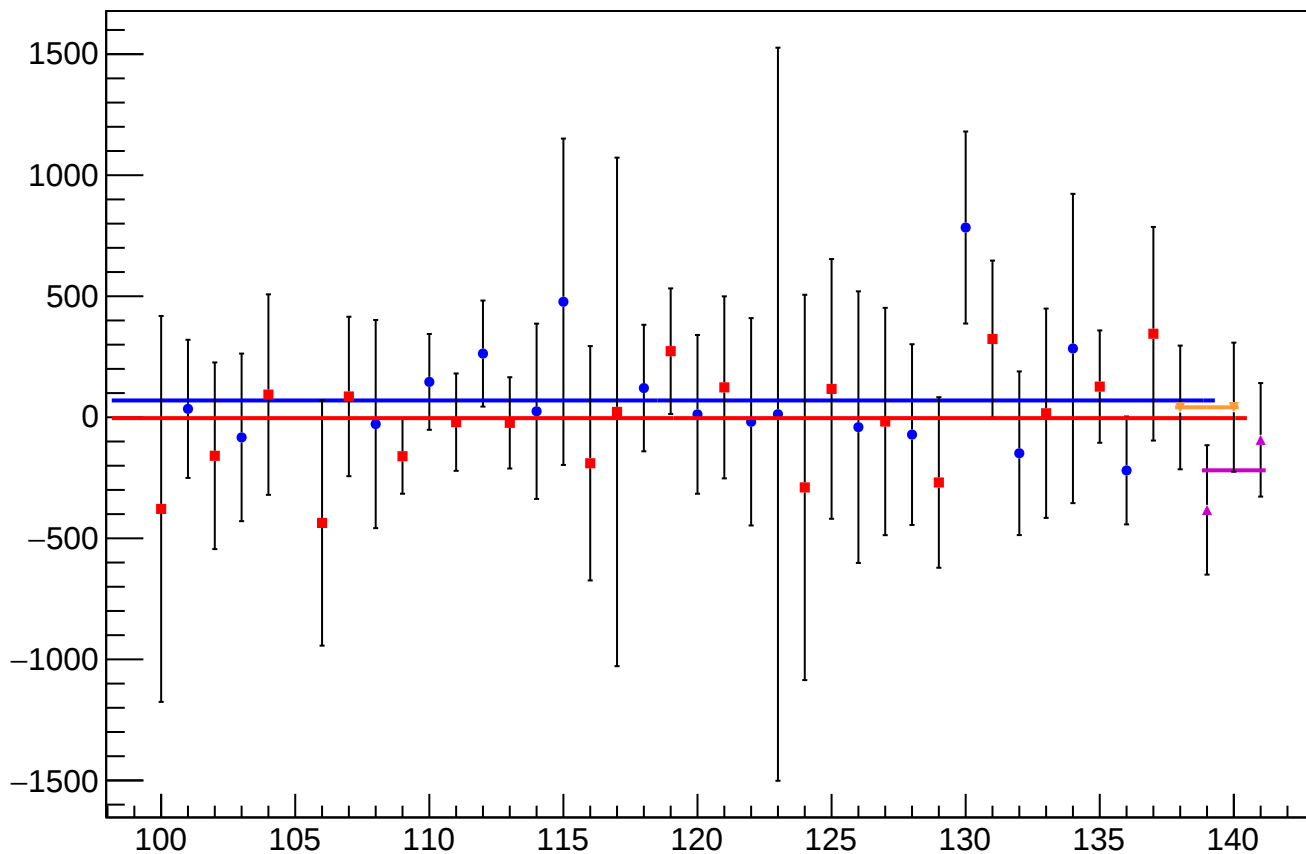
Right Out: 2458.665+/-0.654 χ^2/NDF : 152458.1/19

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

2483.429+/-0.615 χ^2/NDF : 130638.1/18

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

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



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

Left Out: 41.216 $\pm$ 184.466 χ^2/NDF : 0.0/1

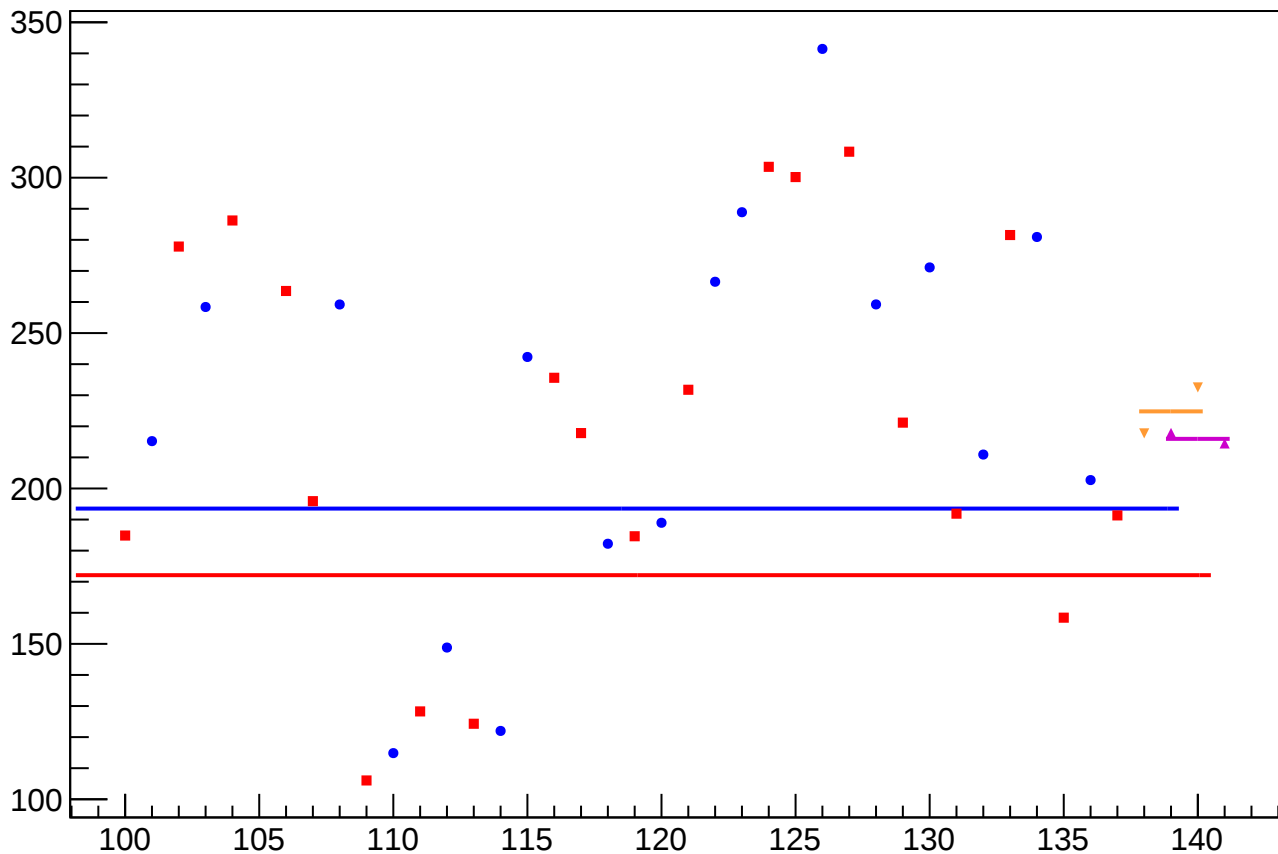
Right Out: -3.448 $\pm$ 69.825 χ^2/NDF : 6.4/19

Left In: -219.009 $\pm$ 176.281 χ^2/NDF : 0.7/1

65.188 $\pm$ 72.639 χ^2/NDF : 7.3/18

-32.681 $\pm$ 64.918 χ^2/NDF : 8.4/21

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



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

Left Out: 224.807 $\pm$ 0.130 χ^2 /NDF:3206.4/1

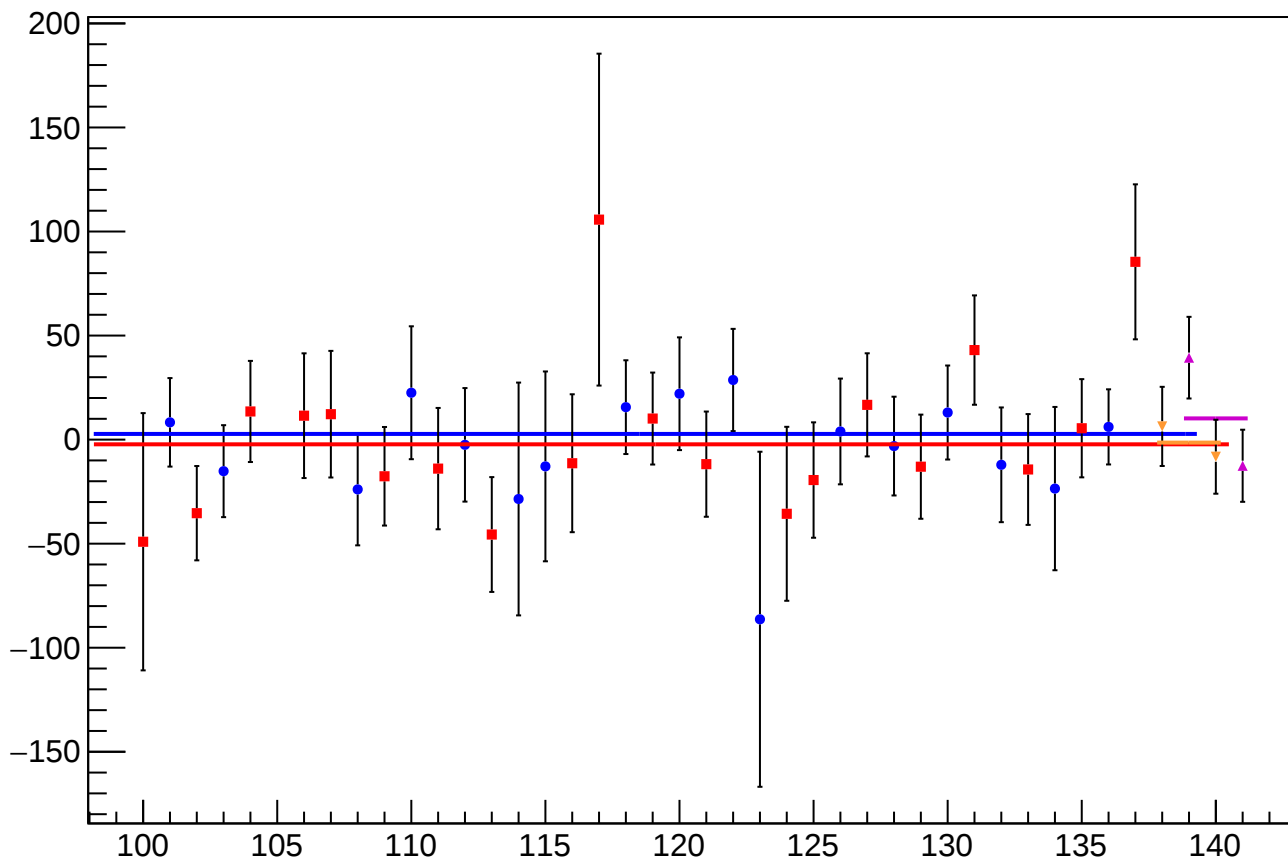
Right Out: 172.104 $\pm$ 0.049 χ^2 /NDF: 1580690.9/19

Left In: 215.964 $\pm$ 0.125 χ^2 /NDF:182.7/1

198.382 $\pm$ 0.051 χ^2 /NDF: 1062206.9/18

178.052 $\pm$ 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: -1.432+/-12.984 χ^2/NDF : 0.3/1

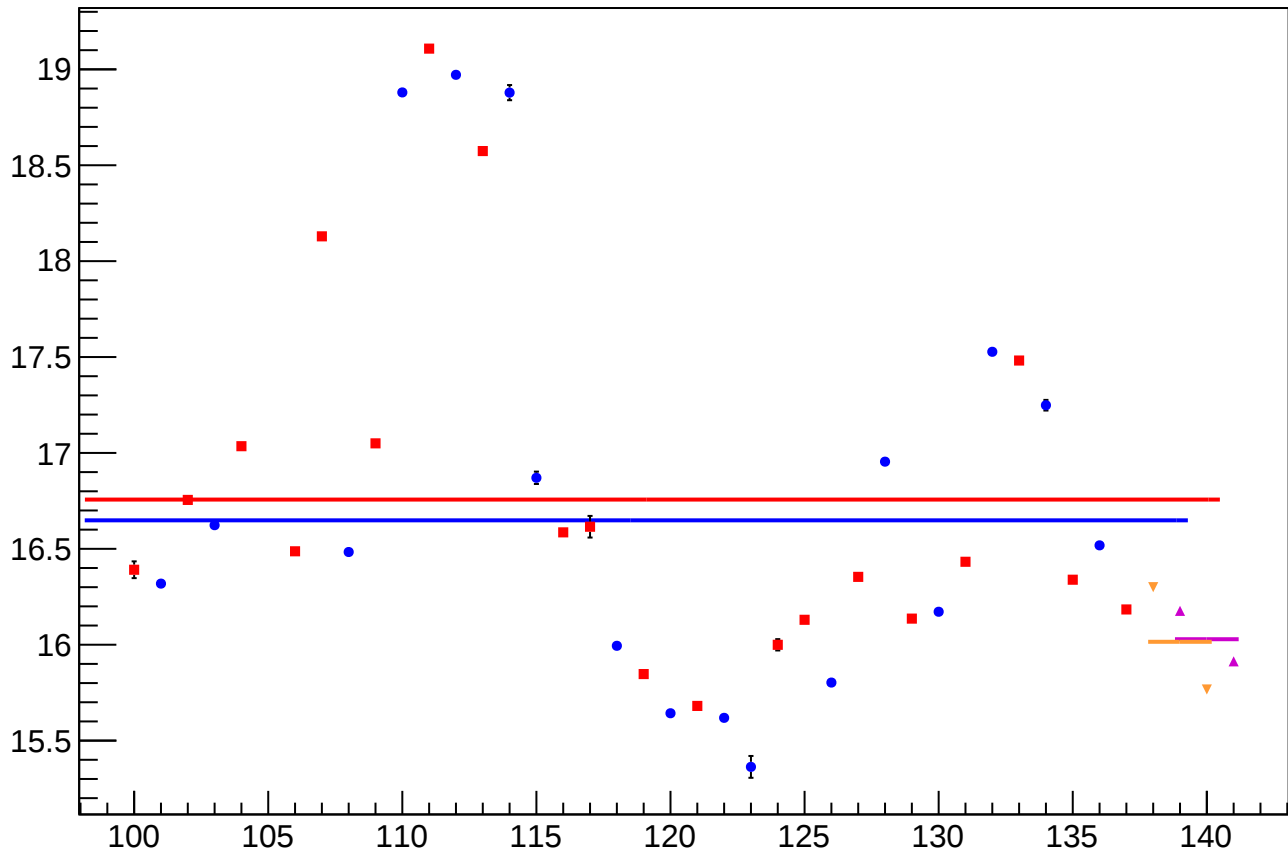
Right Out: -2.259+/-6.259 χ^2/NDF : 19.6/19

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

1.914+/-5.758 χ^2/NDF : 7.2/18

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: 16.015 $\pm$ 0.009 χ^2 /NDF: 840.0/1

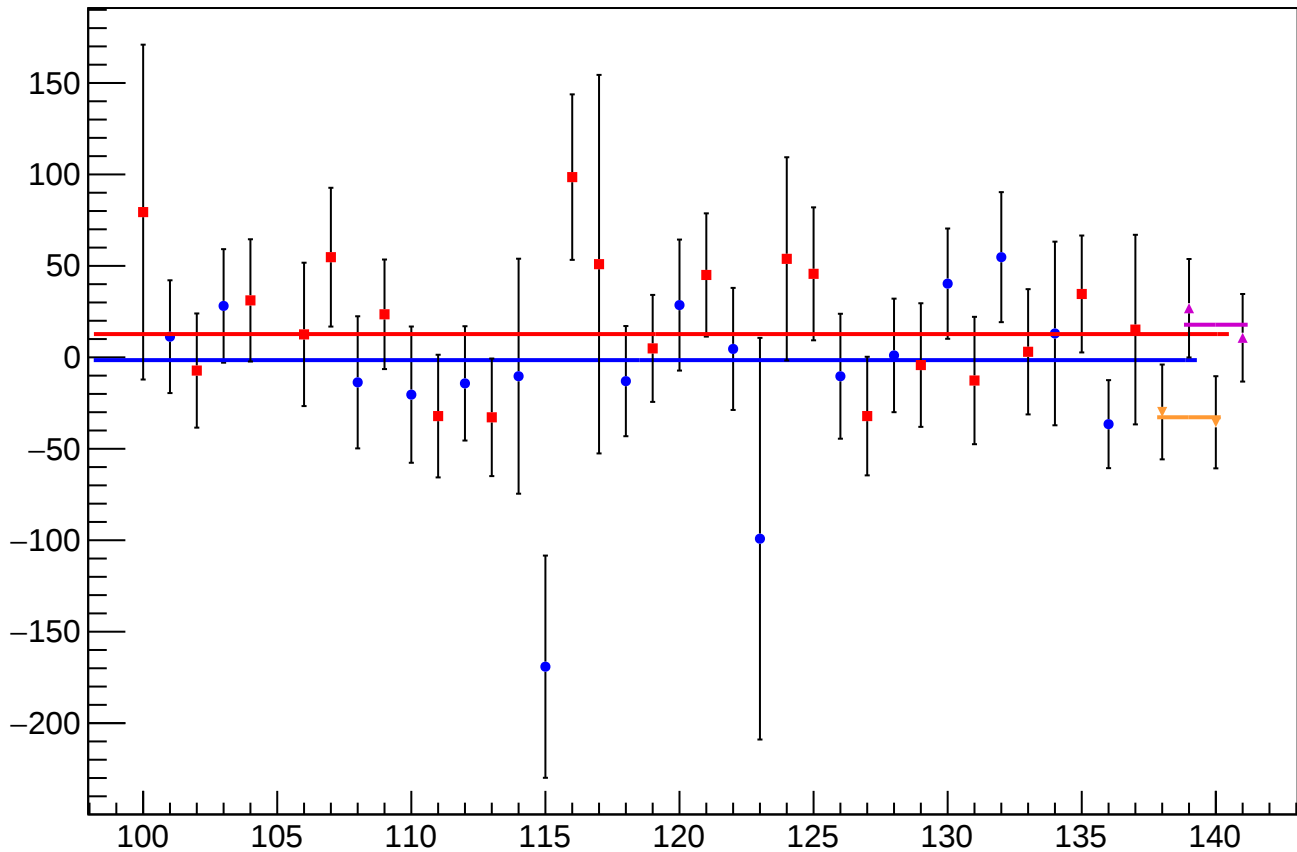
Right Out: 16.757 $\pm$ 0.004 χ^2 /NDF: 39957.1/19

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

16.524 $\pm$ 0.004 χ^2 /NDF: 47229.3/18

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: -32.763 ± 18.064 χ^2/NDF : 0.0/1

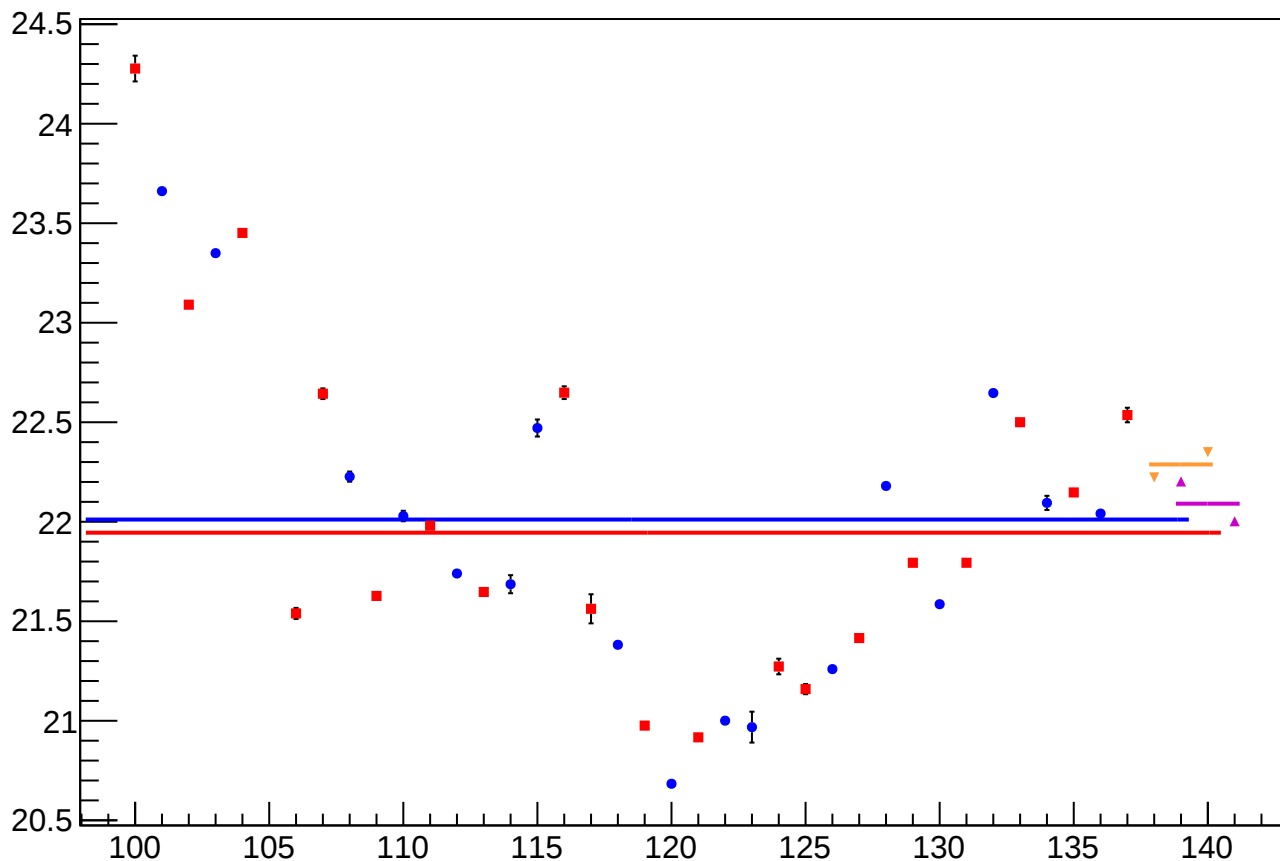
Right Out: 12.716 ± 8.185 χ^2/NDF : 15.7/19

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

-7.170 ± 7.680 χ^2/NDF : 20.1/18

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 $\chi^2/\text{NDF}: 17546.9/16$

Left Out: 22.288 ± 0.013 $\chi^2/\text{NDF}: 24.7/1$

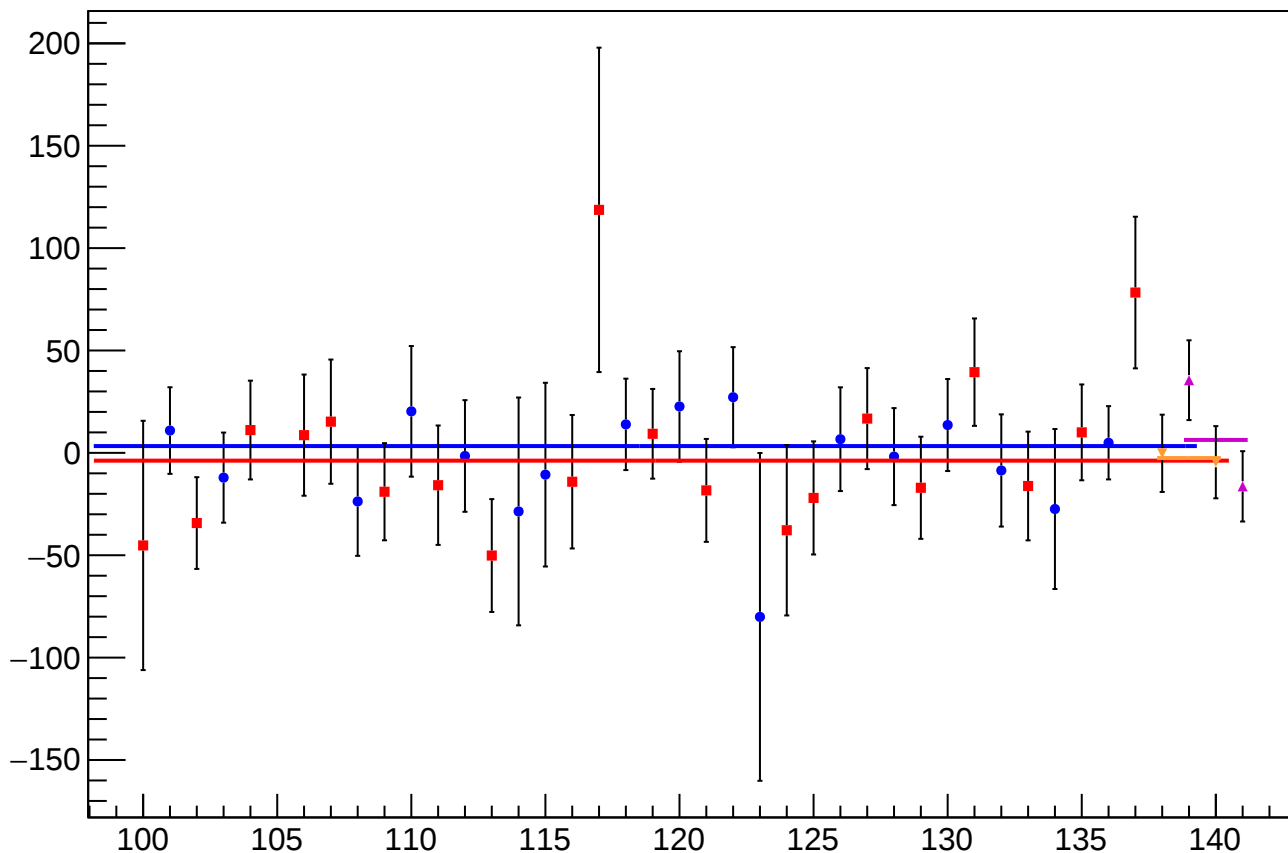
Right Out: 21.945 ± 0.006 $\chi^2/\text{NDF}: 16620.2/19$

Left In: 22.091 ± 0.013 $\chi^2/\text{NDF}: 61.7/1$

22.061 ± 0.005 $\chi^2/\text{NDF}: 17956.2/18$

21.970 ± 0.005 $\chi^2/\text{NDF}: 16791.8/21$

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: -2.538+/-12.883 χ^2/NDF : 0.0/1

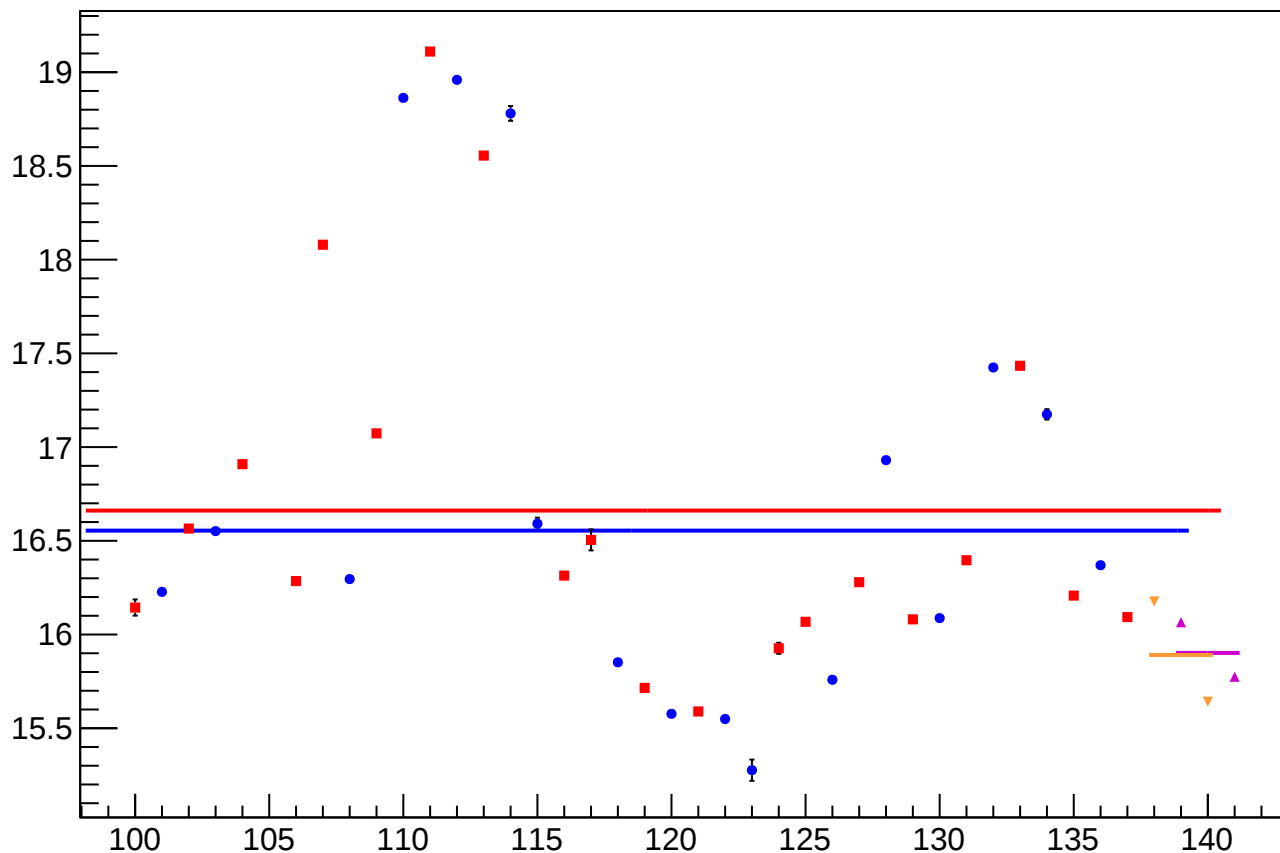
Right Out: -3.800+/-6.224 χ^2/NDF : 20.1/19

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

2.161+/-5.723 χ^2/NDF : 6.5/18

-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 $\pm$ 0.005 χ^2 /NDF: 44475.2/16

Left Out: 15.891 $\pm$ 0.009 χ^2 /NDF: 856.6/1

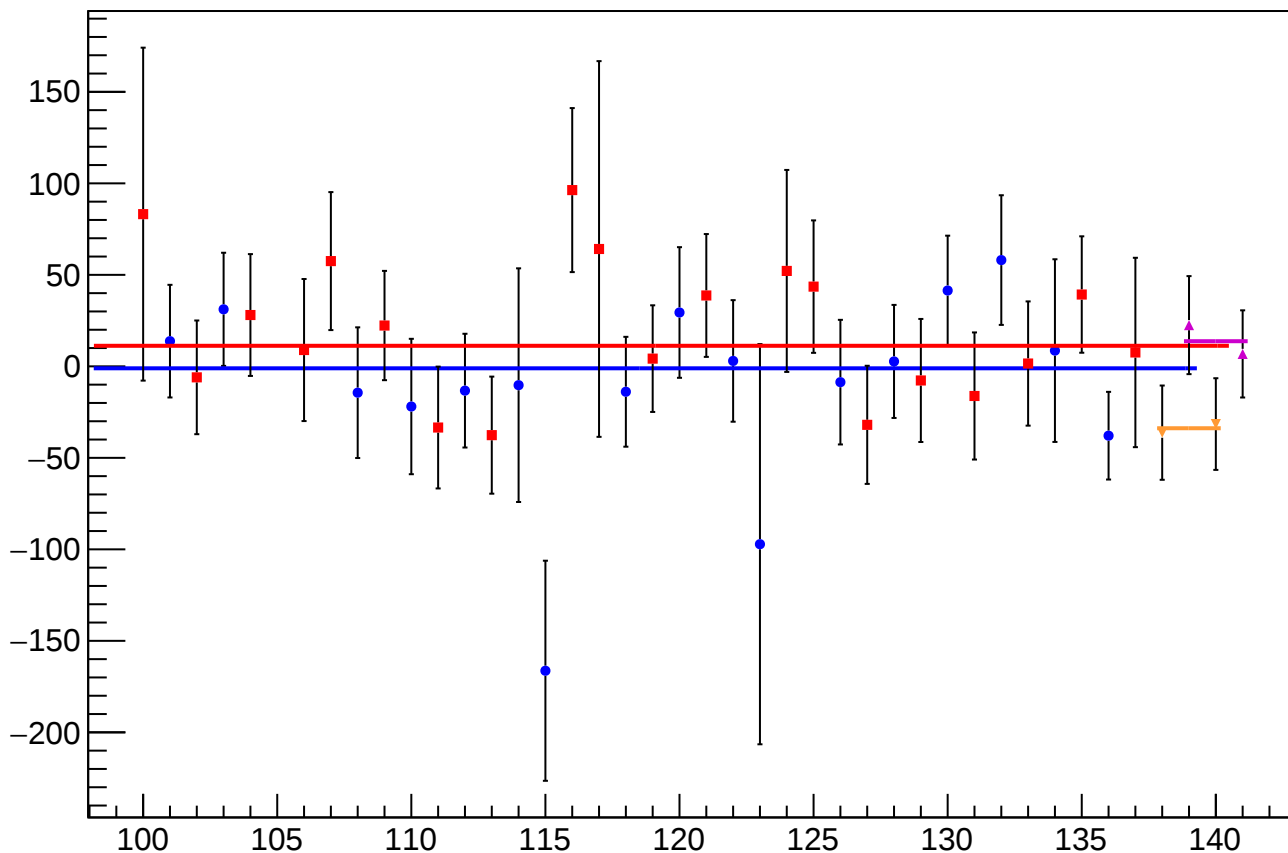
Right Out: 16.661 $\pm$ 0.004 χ^2 /NDF: 43071.4/19

Left In: 15.902 $\pm$ 0.009 χ^2 /NDF: 250.8/1

16.423 $\pm$ 0.004 χ^2 /NDF: 49591.6/18

16.518 $\pm$ 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 $\chi^2/\text{NDF}: 18.5/16$

Left Out: -33.821 ± 17.956 $\chi^2/\text{NDF}: 0.0/1$

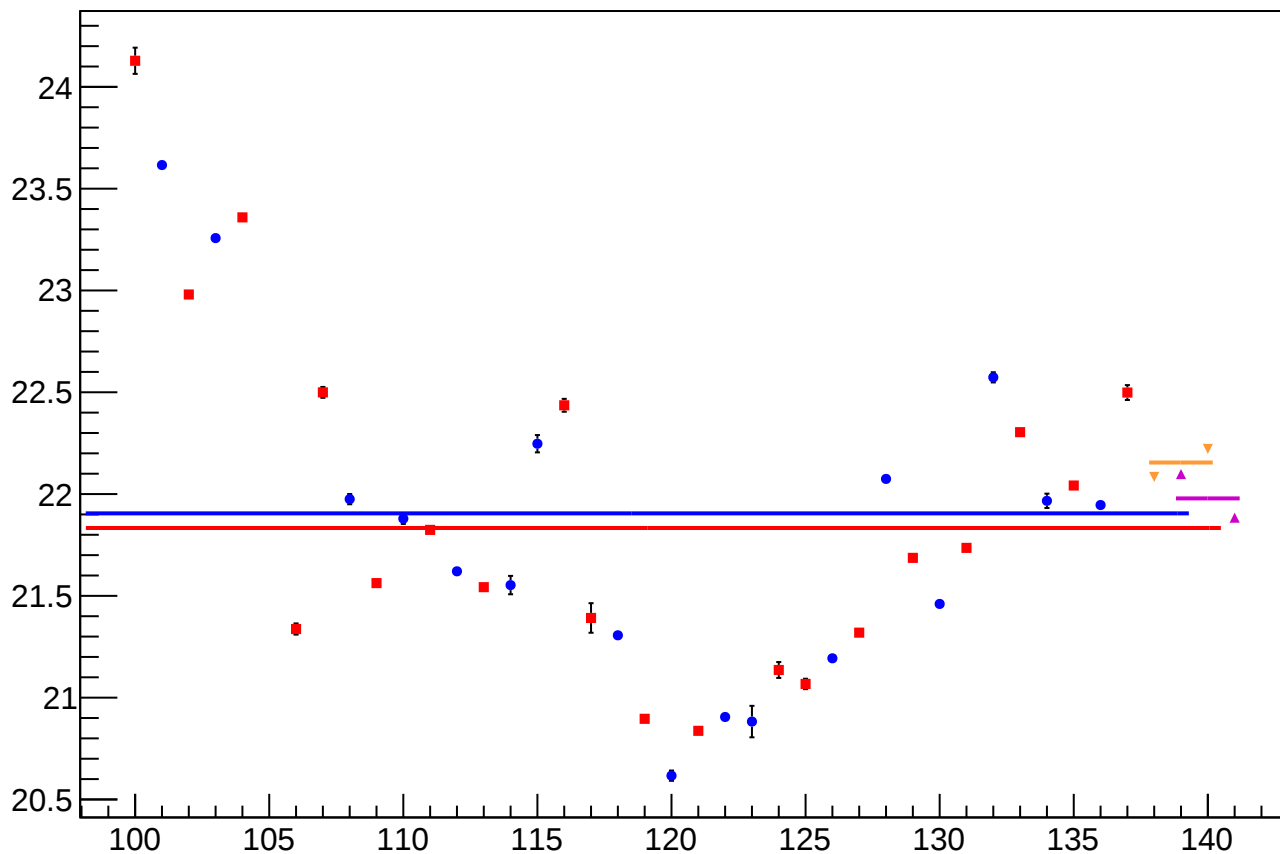
Right Out: 11.235 ± 8.143 $\chi^2/\text{NDF}: 16.5/19$

Left In: 13.740 ± 17.798 $\chi^2/\text{NDF}: 0.2/1$

-7.000 ± 7.641 $\chi^2/\text{NDF}: 21.2/18$

11.669 ± 7.405 $\chi^2/\text{NDF}: 16.7/21$

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



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

Left Out: 22.155 $\pm$ 0.013 χ^2 /NDF: 29.4/1

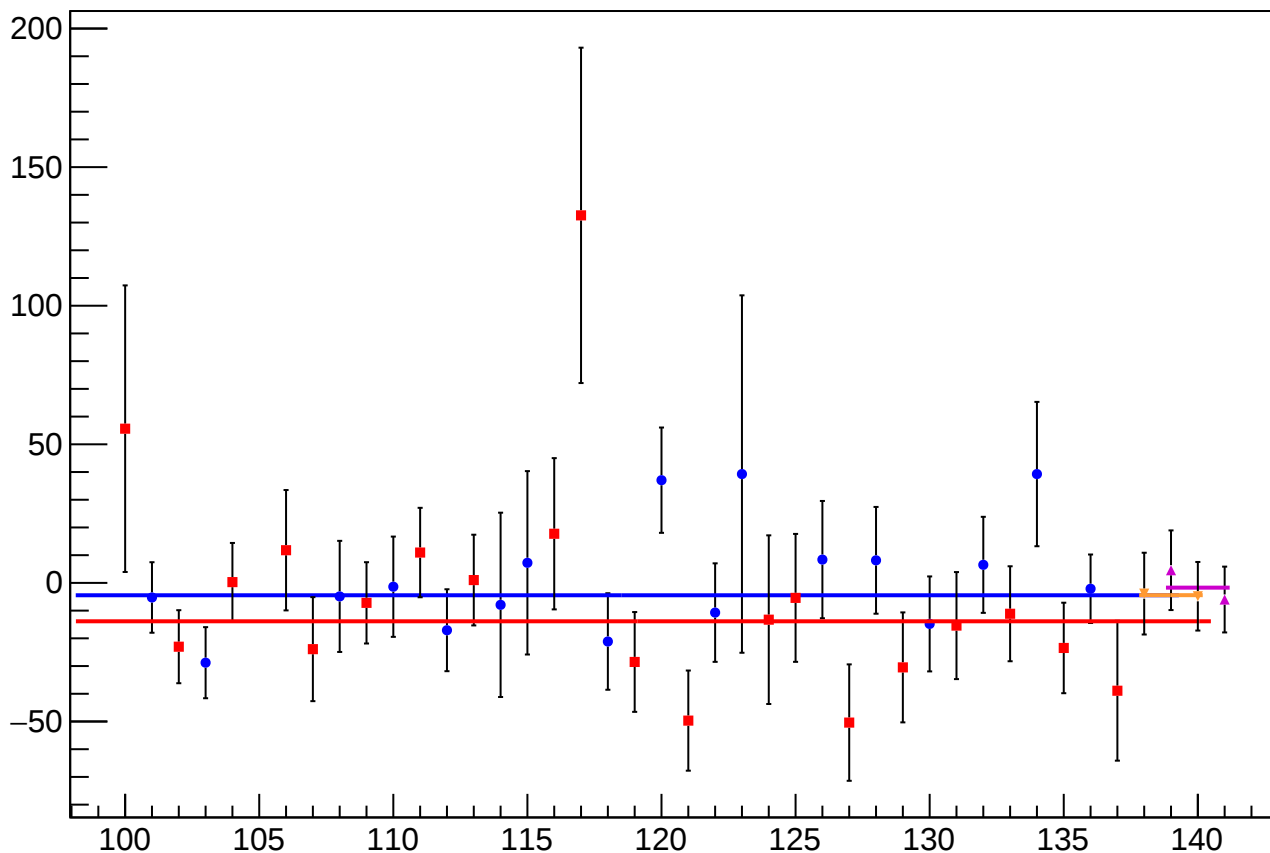
Right Out: 21.833 $\pm$ 0.006 χ^2 /NDF: 16288.5/19

Left In: 21.979 $\pm$ 0.013 χ^2 /NDF: 71.5/1

21.950 $\pm$ 0.005 χ^2 /NDF: 18140.4/18

21.859 $\pm$ 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: -4.428 ± 9.480 χ^2/NDF : 0.0/1

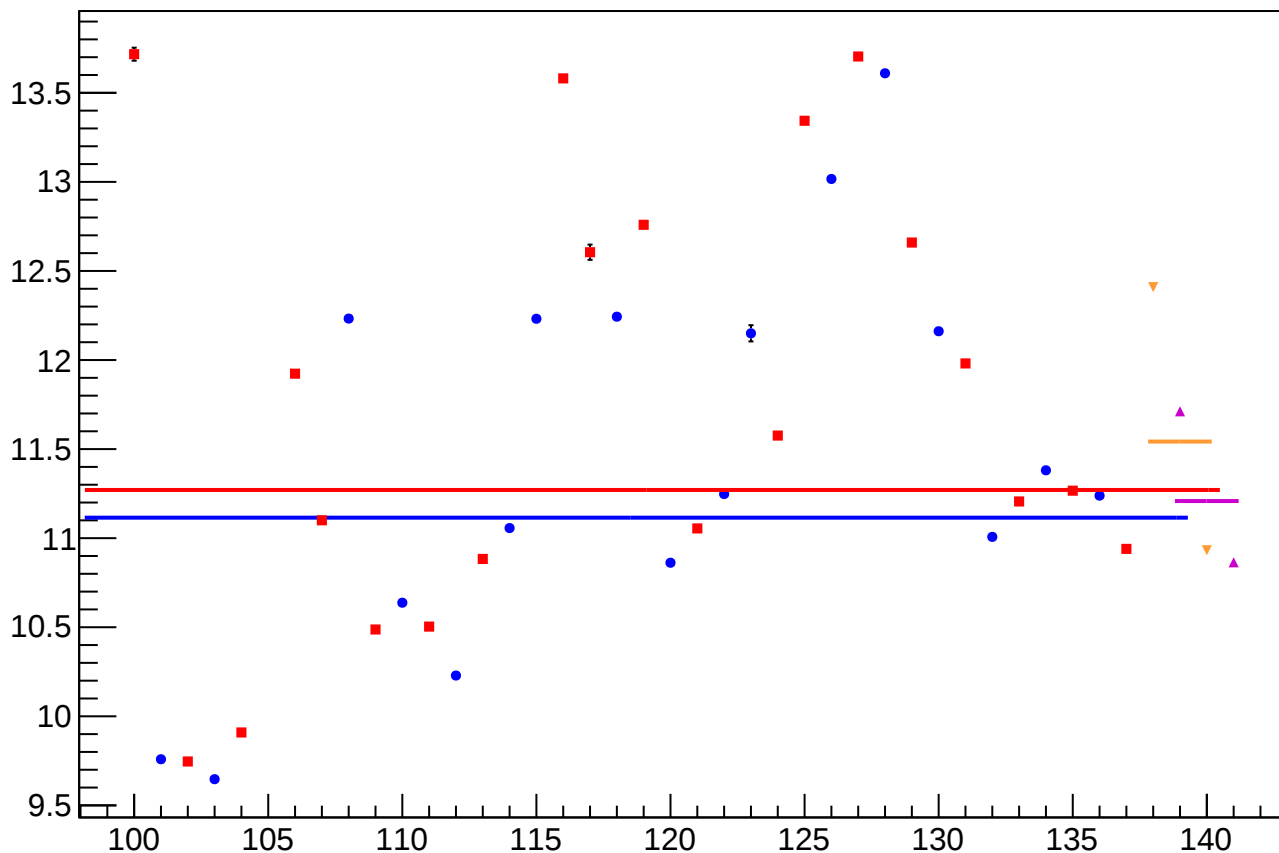
Right Out: -13.851 ± 4.253 χ^2/NDF : 25.4/19

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

-4.455 ± 3.938 χ^2/NDF : 15.2/18

-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: 11.542 $\pm$ 0.007 χ^2/NDF : 11771.7/1

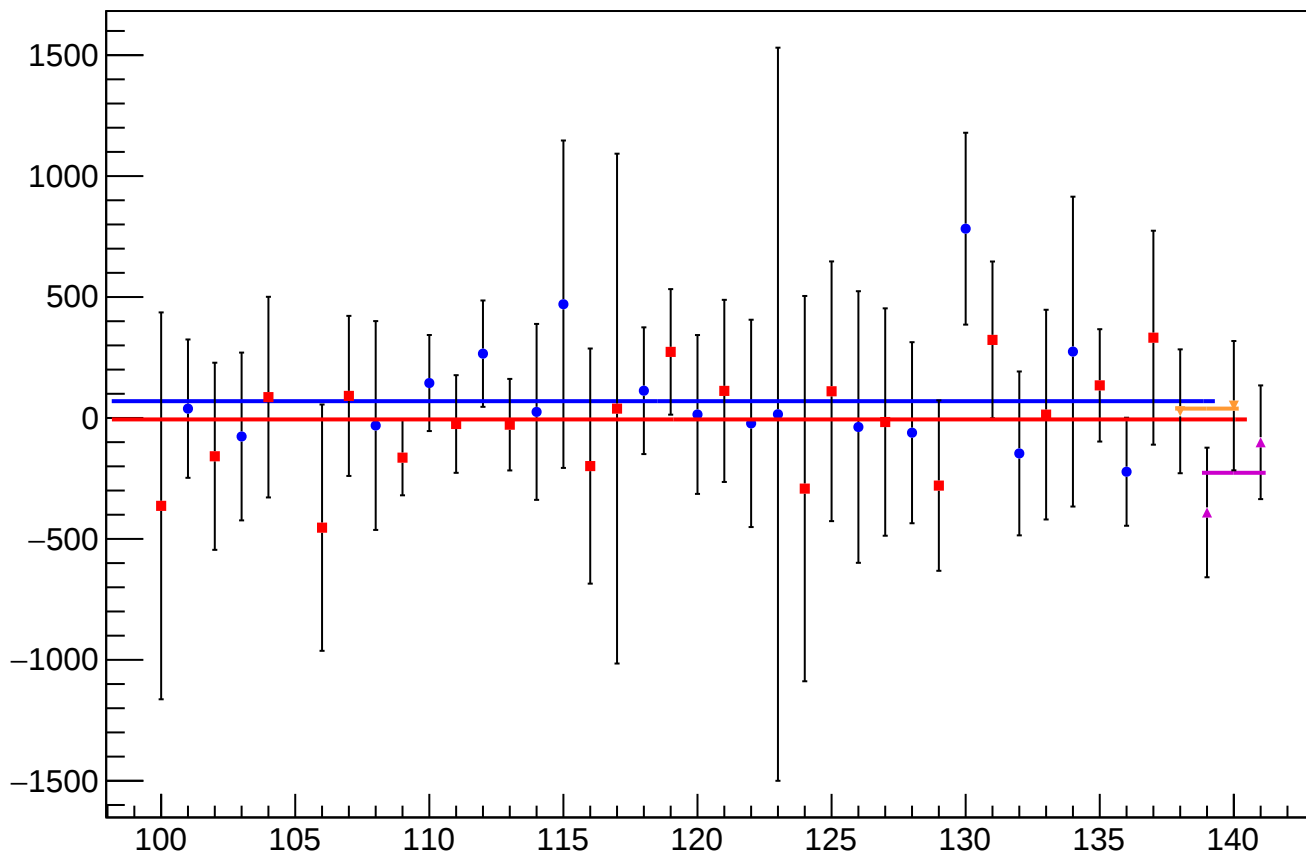
Right Out: 11.271 $\pm$ 0.003 χ^2/NDF : 148461.6/19

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

11.189 $\pm$ 0.003 χ^2/NDF : 148192.4/18

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 $\pm$ 79.231 χ^2/NDF : 7.3/16

Left Out: 38.763 $\pm$ 184.896 χ^2/NDF : 0.0/1

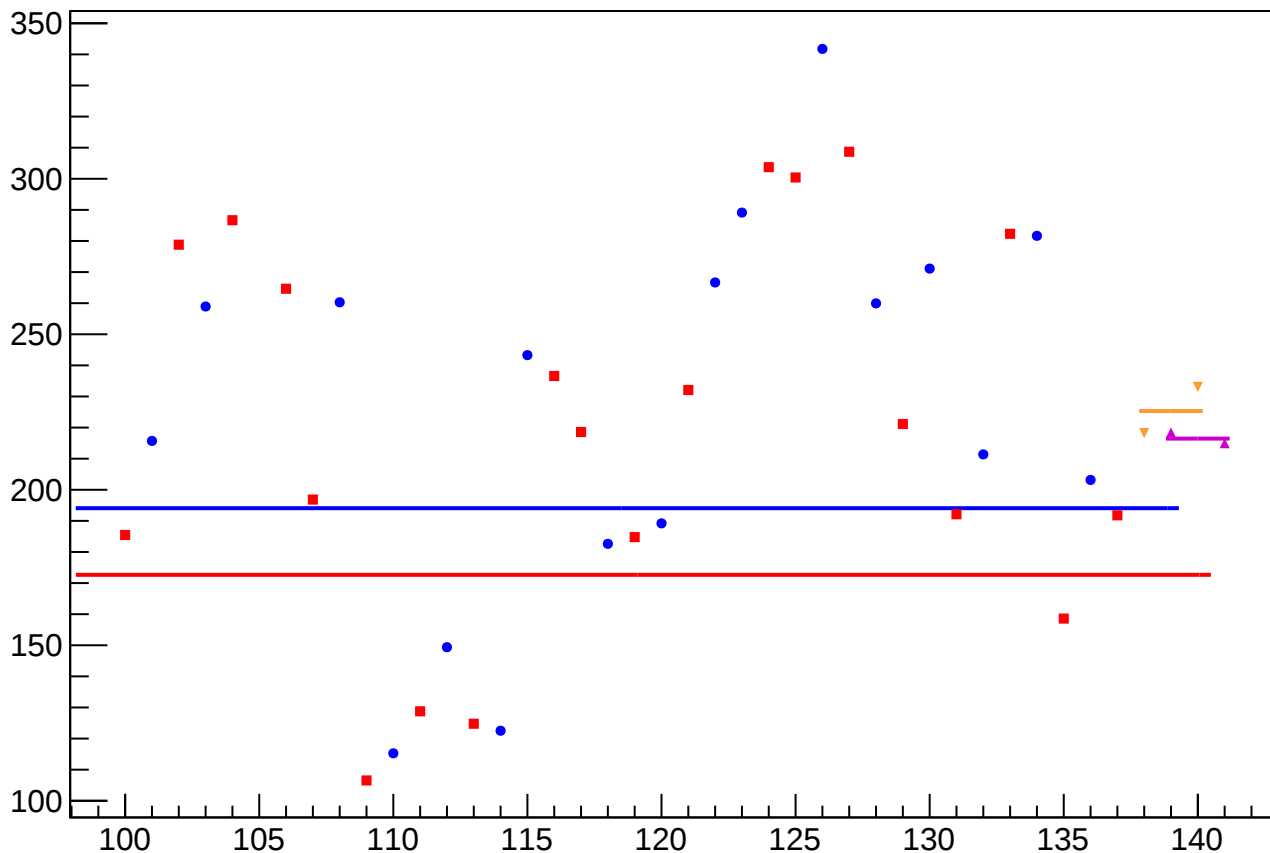
Right Out: -5.996 $\pm$ 70.027 χ^2/NDF : 6.5/19

Left In: -226.665 $\pm$ 176.683 χ^2/NDF : 0.7/1

64.706 $\pm$ 72.826 χ^2/NDF : 7.3/18

-35.954 $\pm$ 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: 225.329 $\pm$ 0.131 χ^2 /NDF:3220.6/1

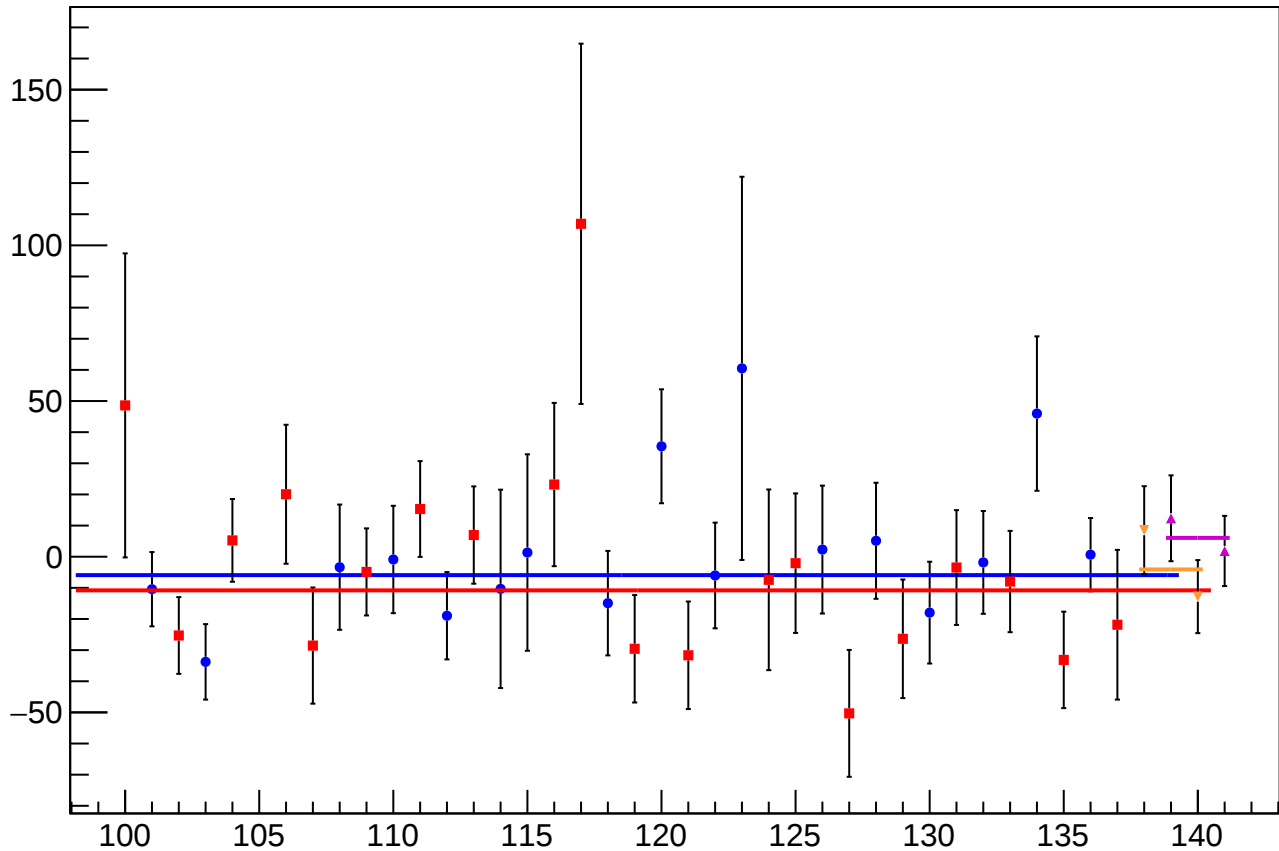
Right Out: 172.655 $\pm$ 0.050 χ^2 /NDF: 1573277.0/19

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

198.929 $\pm$ 0.051 χ^2 /NDF: 1056876.3/18

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 χ^2/NDF : 18.8/16

Left Out: -4.090 ± 9.021 χ^2/NDF : 1.4/1

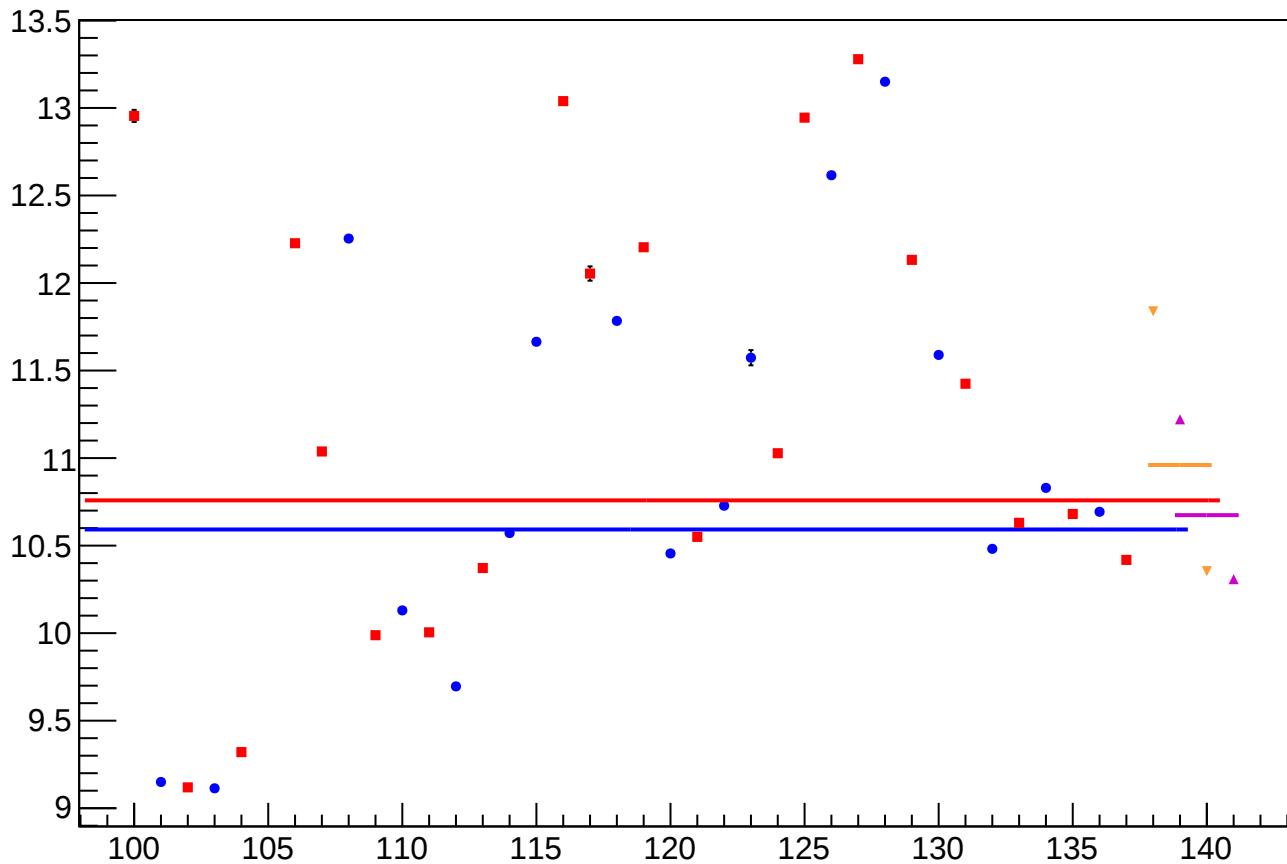
Right Out: -10.806 ± 4.068 χ^2/NDF : 27.0/19

Left In: 6.050 ± 8.727 χ^2/NDF : 0.3/1

-5.596 ± 3.758 χ^2/NDF : 20.2/18

-7.797 ± 3.687 χ^2/NDF : 30.4/21

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.592+/-0.003 χ^2/NDF : 160397.9/16

Left Out: 10.961+/-0.006 χ^2/NDF :13081.8/1

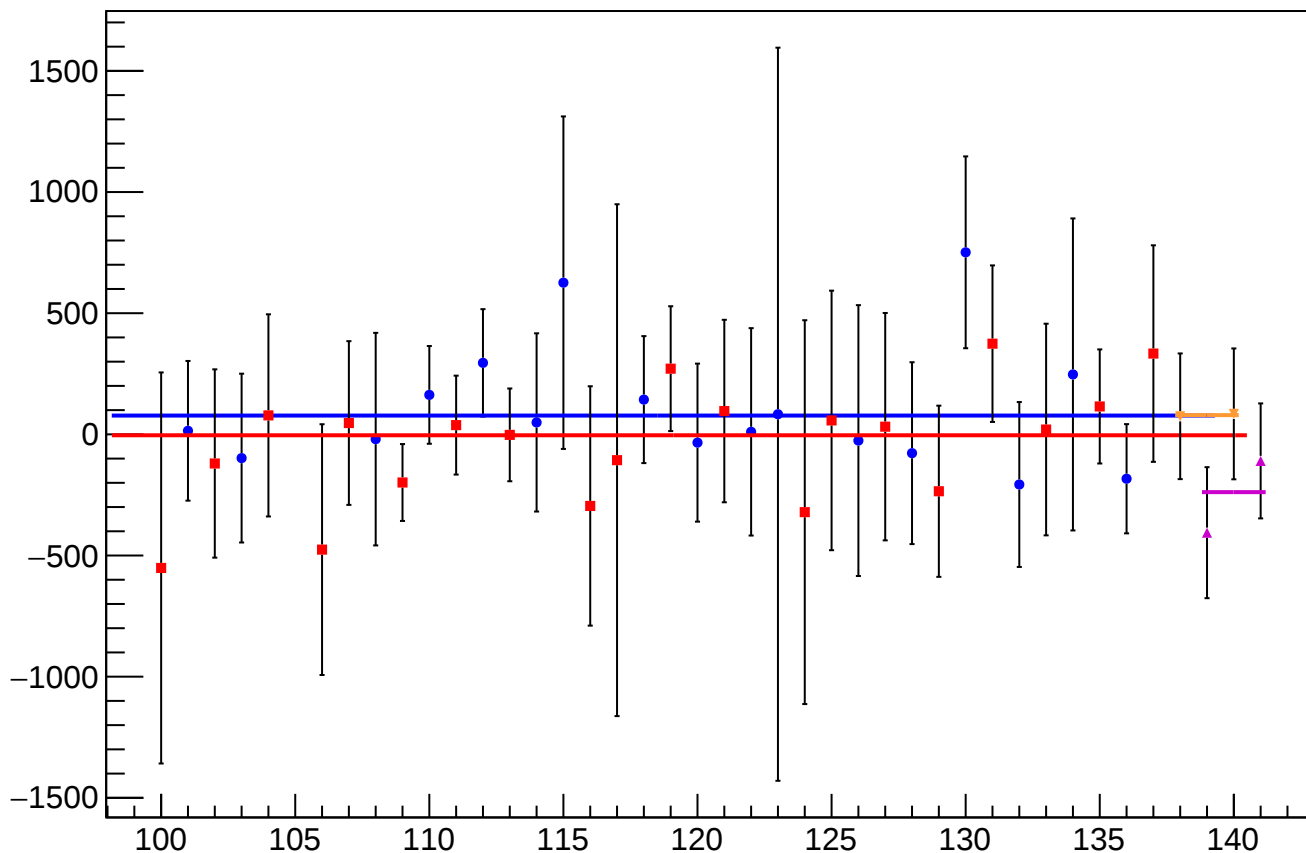
10.656+/-0.003 χ^2/NDF : 176235.4/18

Right Out: 10.758+/-0.003 χ^2/NDF : 177903.3/19

10.743+/-0.003 χ^2/NDF : 183312.1/21

Left In: 10.674+/-0.006 χ^2/NDF :5255.4/1

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: 79.347 $\pm$ 187.057 χ^2 /NDF:0.0/1

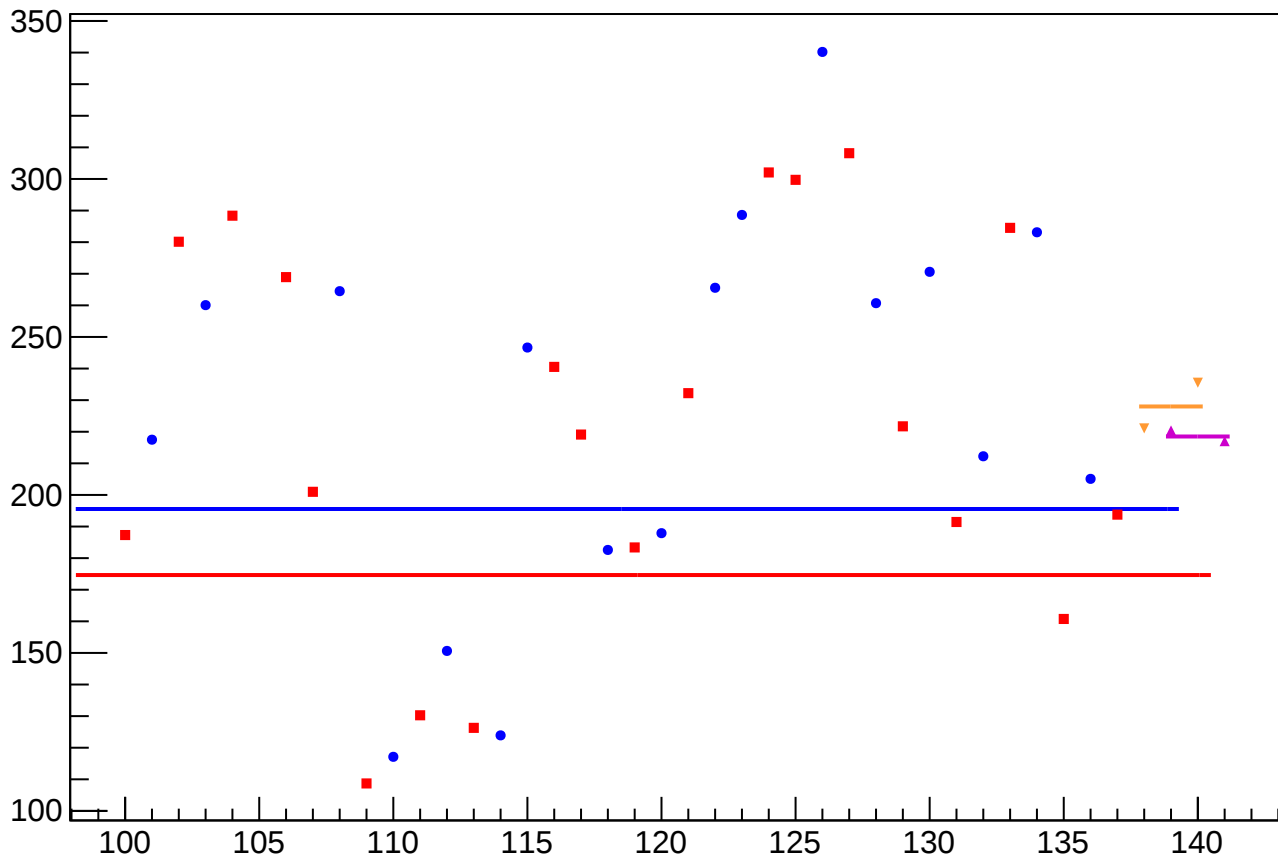
Right Out: -3.768 $\pm$ 70.696 χ^2 /NDF: 7.4/19

Left In: -238.449 $\pm$ 178.327 χ^2 /NDF:0.7/1

77.860 $\pm$ 73.361 χ^2 /NDF: 7.6/18

-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: 227.999+/-0.132 χ^2/NDF : 2982.4/1

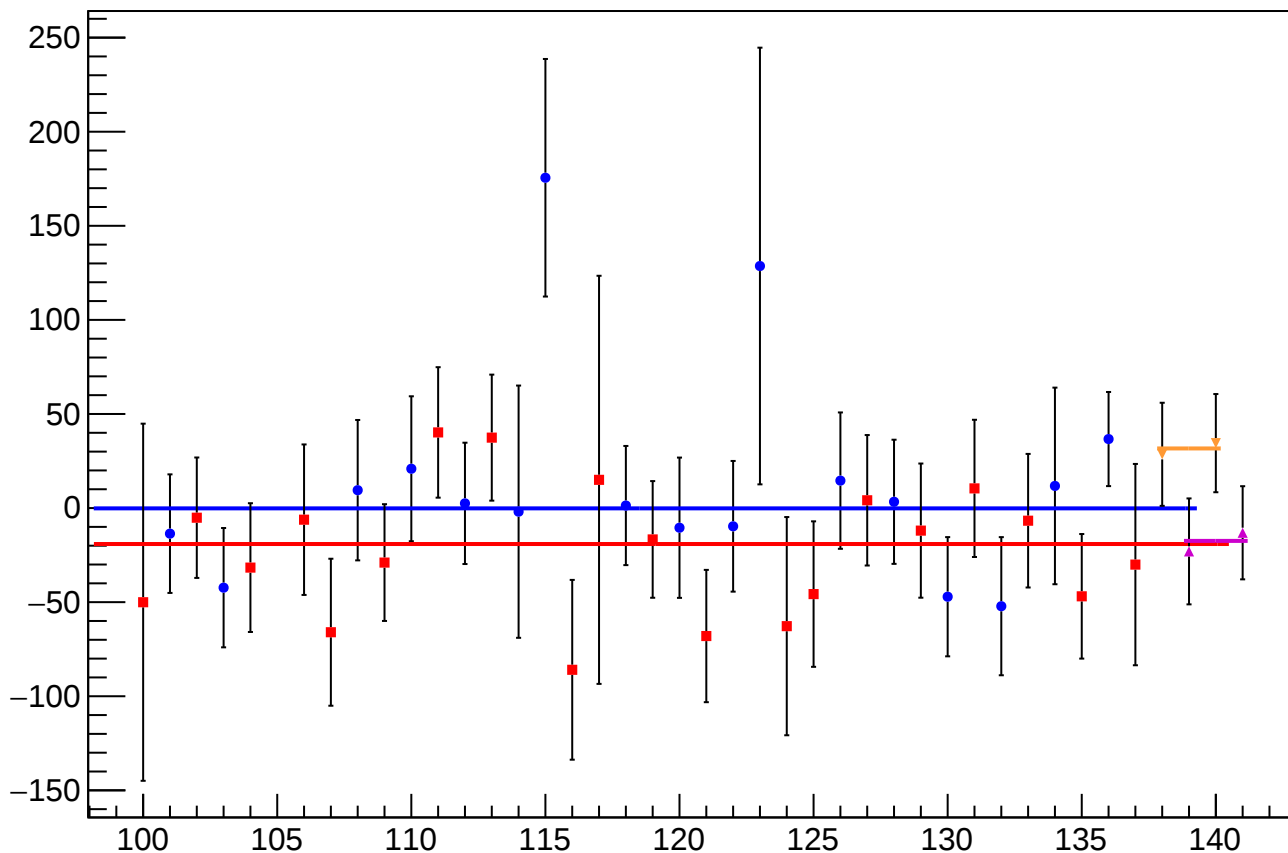
Right Out: 174.649+/-0.050 χ^2/NDF : 1532189.1/19

Left In: 218.498+/-0.126 χ^2/NDF : 177.6/1

200.542+/-0.052 χ^2/NDF : 1033844.2/18

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 $\pm$ 8.826 χ^2/NDF : 18.1/16

Left Out: 31.682 $\pm$ 18.892 χ^2/NDF : 0.0/1

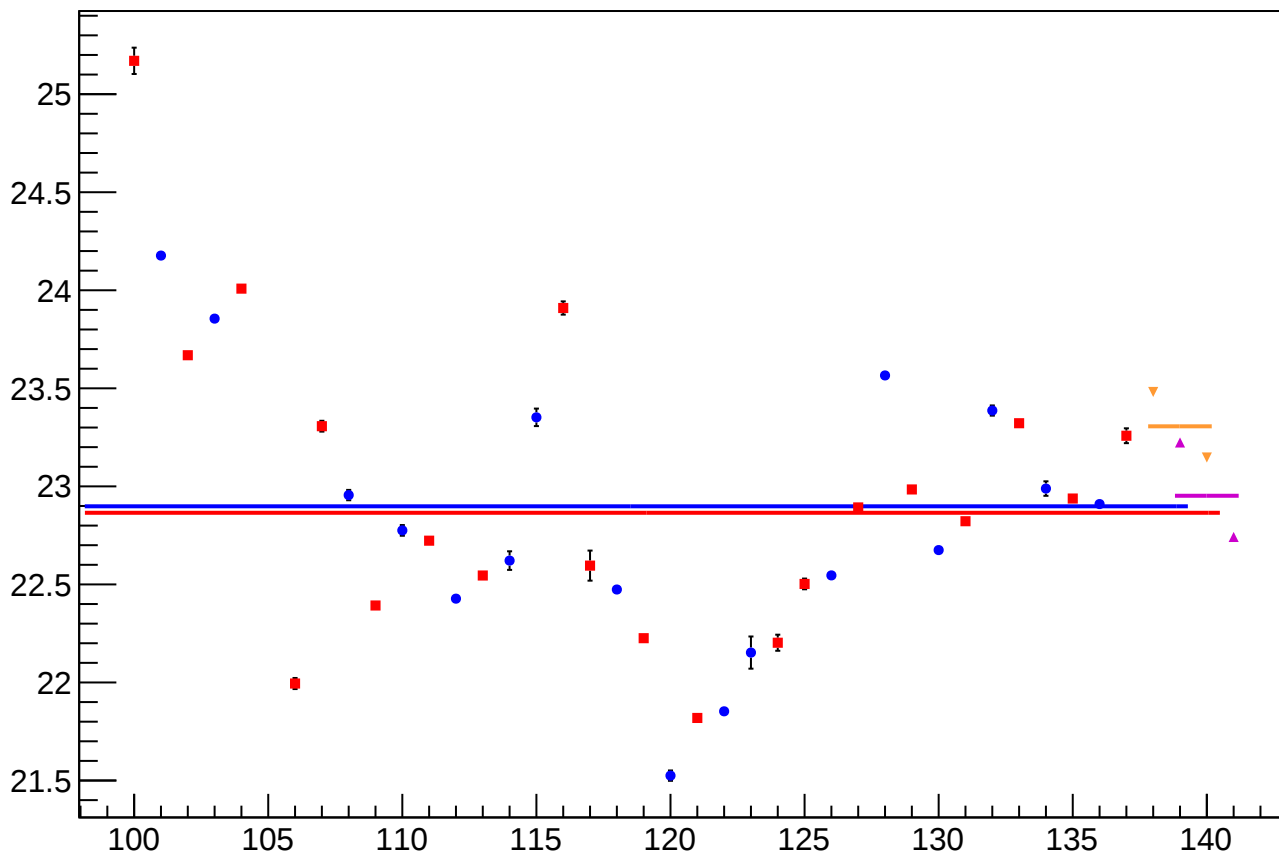
Right Out: -19.104 $\pm$ 8.527 χ^2/NDF : 14.9/19

Left In: -17.445 $\pm$ 18.587 χ^2/NDF : 0.1/1

5.546 $\pm$ 7.997 χ^2/NDF : 20.4/18

-18.815 $\pm$ 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: 23.306 $\pm$ 0.013 χ^2 /NDF:156.1/1

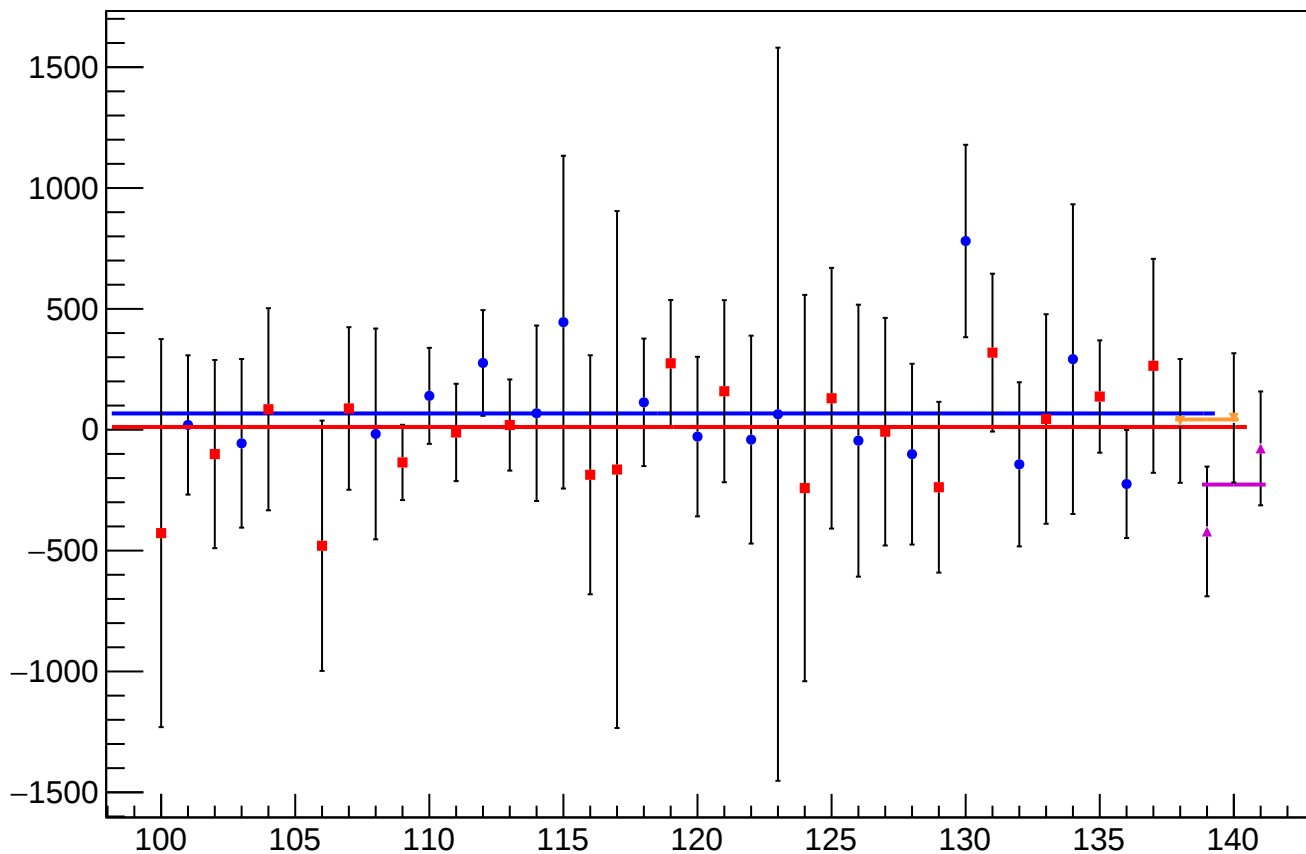
Right Out: 22.865 $\pm$ 0.006 χ^2 /NDF: 11060.8/19

Left In: 22.952 $\pm$ 0.013 χ^2 /NDF:330.4/1

22.971 $\pm$ 0.006 χ^2 /NDF: 13064.6/18

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 $\pm$ 79.404 χ^2 /NDF: 7.4/16

Left Out: 42.569 $\pm$ 185.010 χ^2 /NDF: 0.0/1

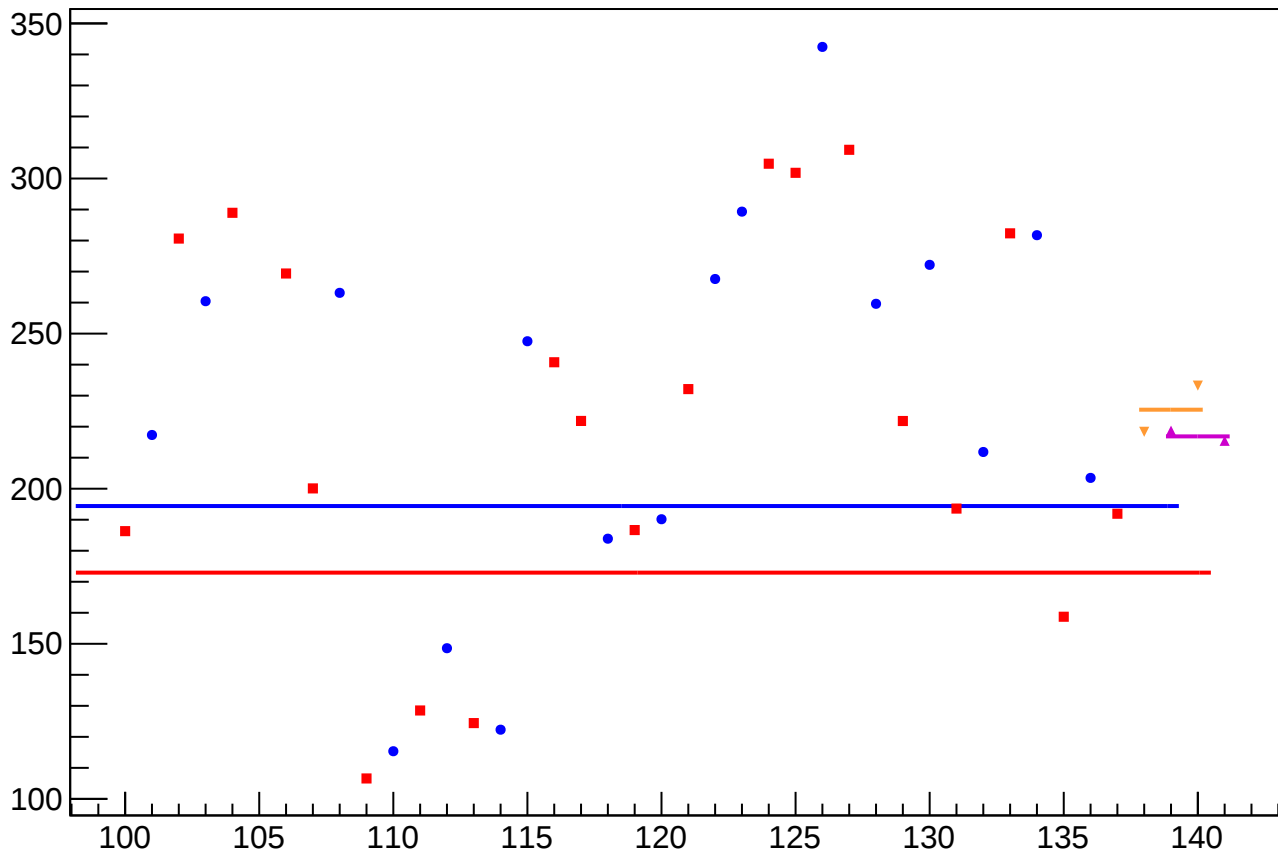
Right Out: 11.355 $\pm$ 70.203 χ^2 /NDF: 5.8/19

Left In: -226.720 $\pm$ 177.011 χ^2 /NDF: 0.9/1

63.578 $\pm$ 72.968 χ^2 /NDF: 7.4/18

-21.003 $\pm$ 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: 225.472 $\pm$ 0.131 χ^2 /NDF:3231.6/1

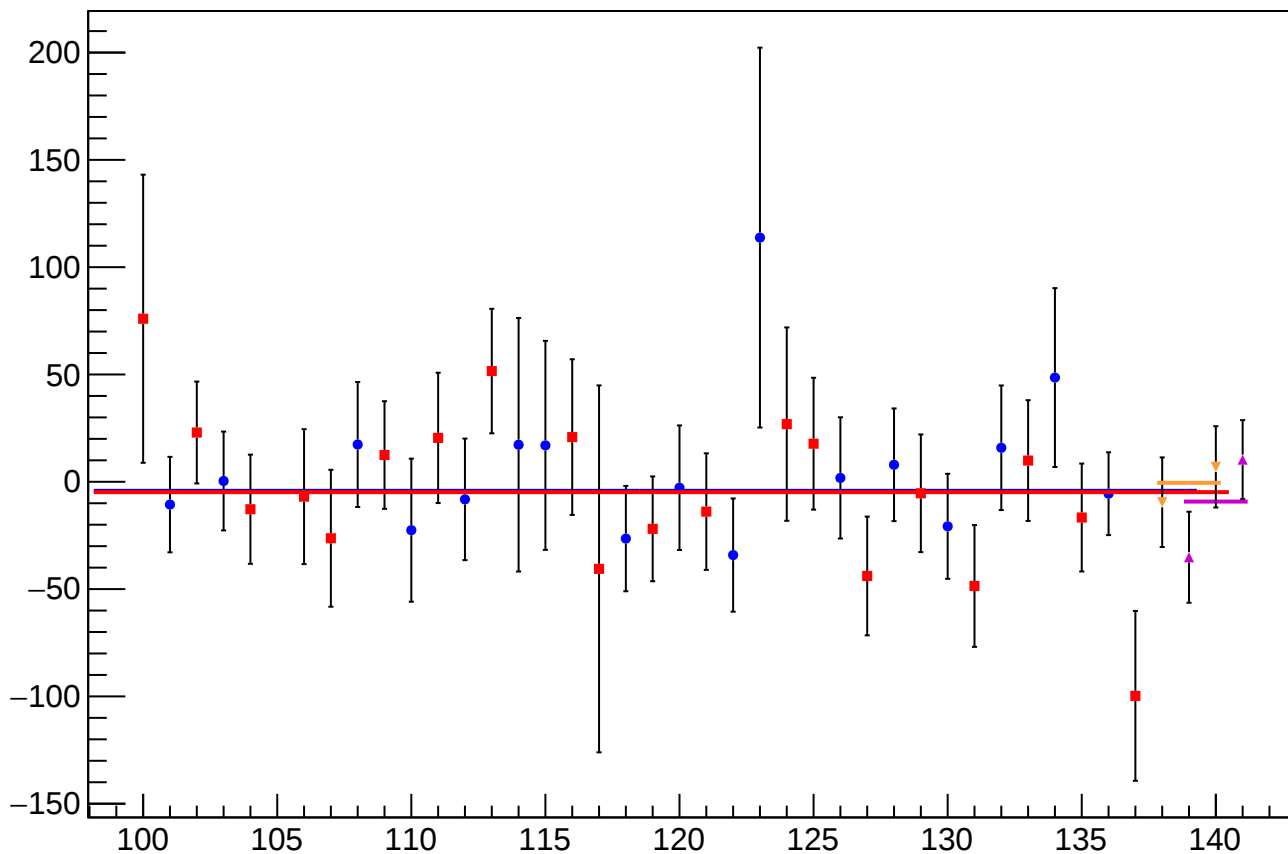
Right Out: 172.942 $\pm$ 0.050 χ^2 /NDF: 1600959.1/19

Left In: 216.867 $\pm$ 0.125 χ^2 /NDF:168.2/1

199.242 $\pm$ 0.052 χ^2 /NDF: 1070749.4/18

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 χ^2/NDF : 8.0/16

Left Out: -0.479 ± 14.031 χ^2/NDF : 0.3/1

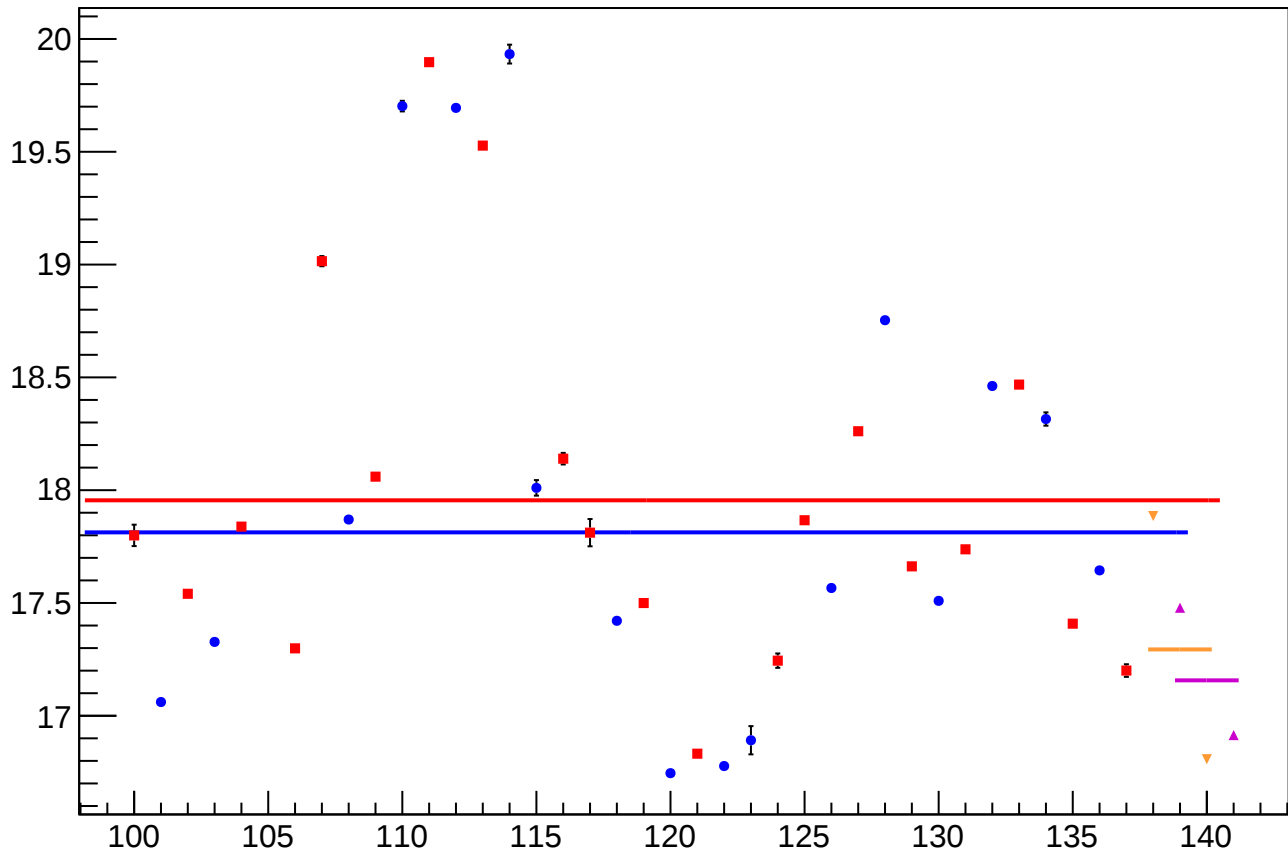
Right Out: -4.820 ± 6.704 χ^2/NDF : 21.3/19

Left In: -9.223 ± 13.904 χ^2/NDF : 2.6/1

-3.499 ± 6.171 χ^2/NDF : 8.4/18

-5.651 ± 6.039 χ^2/NDF : 24.0/21

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.813+/-0.005 χ^2 /NDF: 32034.8/16

Left Out: 17.294+/-0.010 χ^2 /NDF:2922.7/1

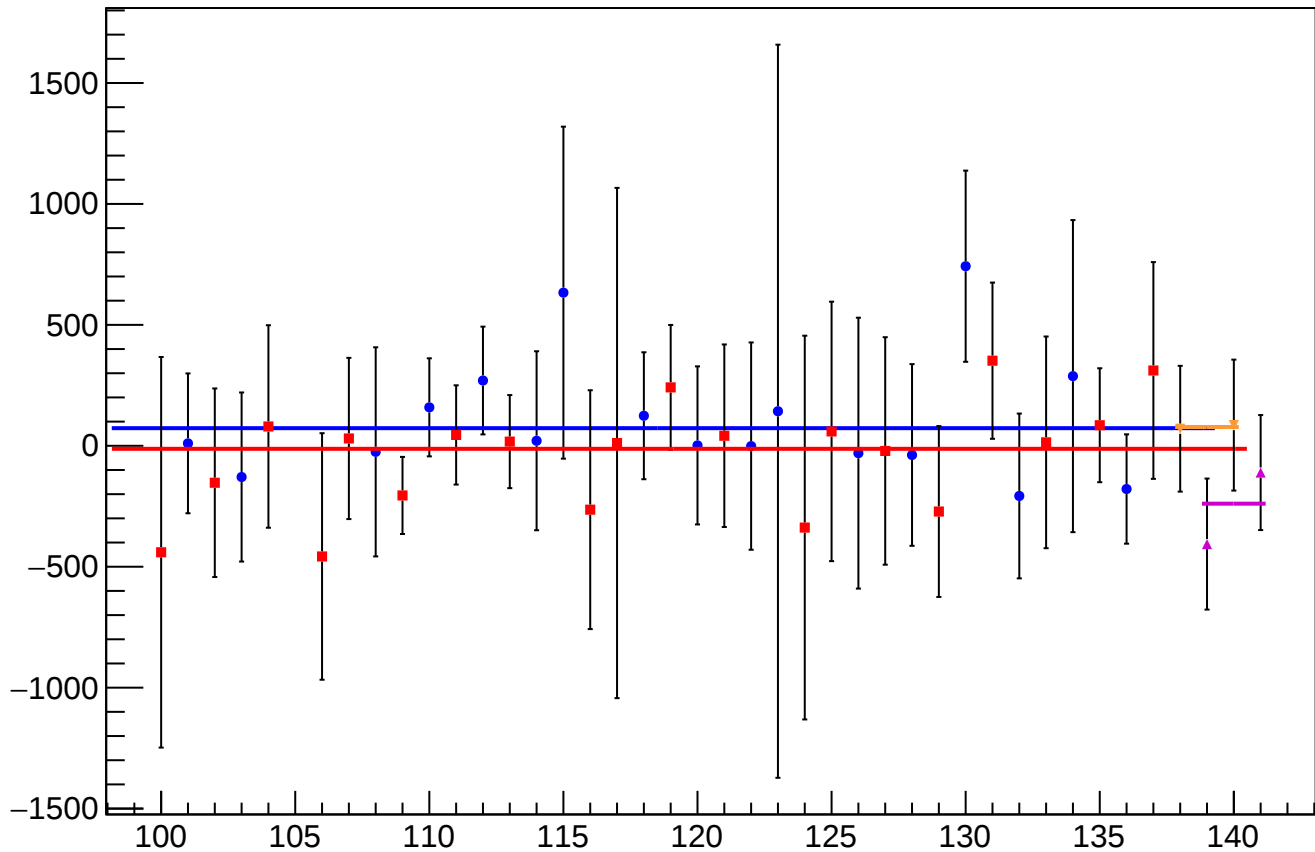
Right Out: 17.955+/-0.005 χ^2 /NDF: 25451.0/19

Left In: 17.157+/-0.010 χ^2 /NDF:808.1/1

17.713+/-0.004 χ^2 /NDF: 37164.1/18

17.805+/-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: 77.736+/-187.545 χ^2/NDF : 0.0/1

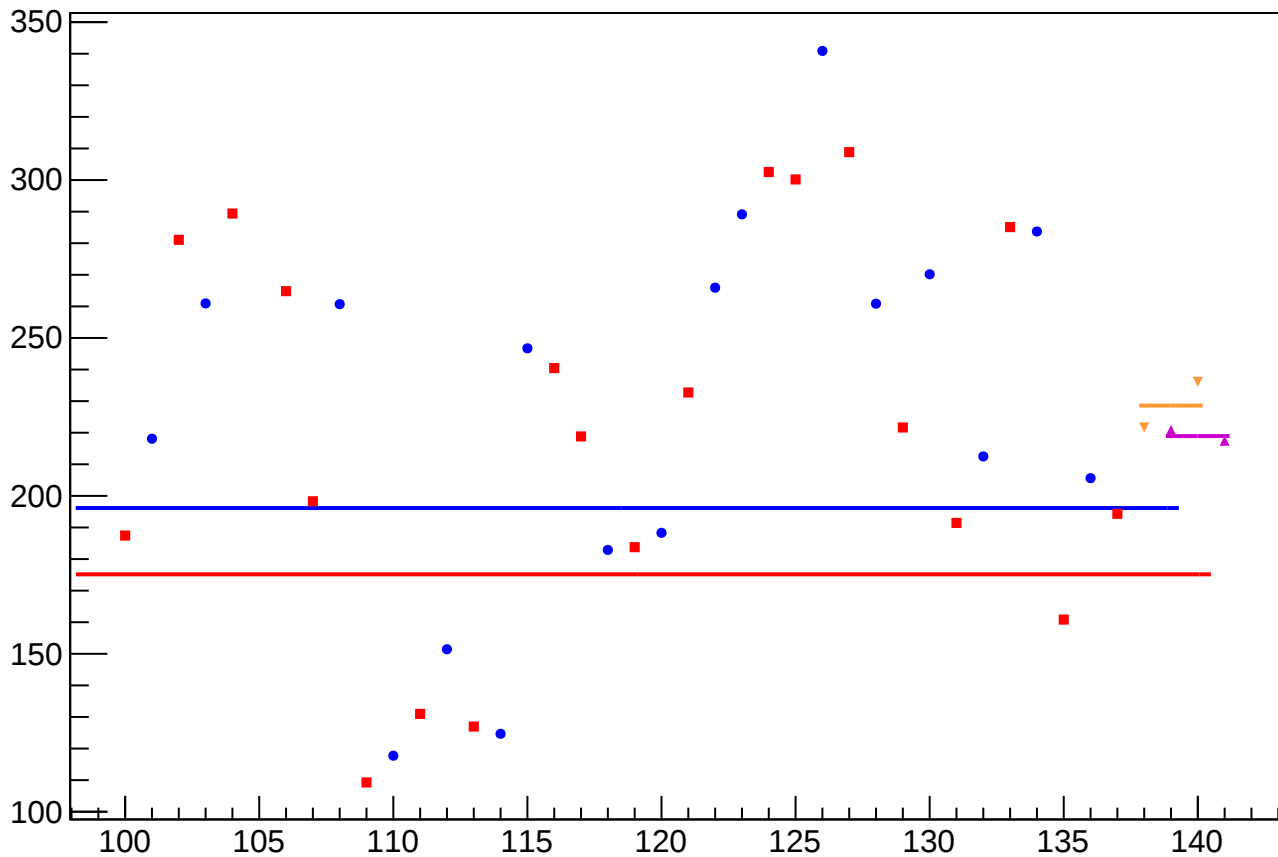
Right Out: -12.456+/-70.853 χ^2/NDF : 6.7/19

Left In: -239.275+/-178.691 χ^2/NDF : 0.7/1

73.634+/-73.545 χ^2/NDF : 7.2/18

-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 $\pm$ 0.057 χ^2 /NDF: 964998.4/16

Left Out: 228.592 $\pm$ 0.133 χ^2 /NDF:2972.9/1

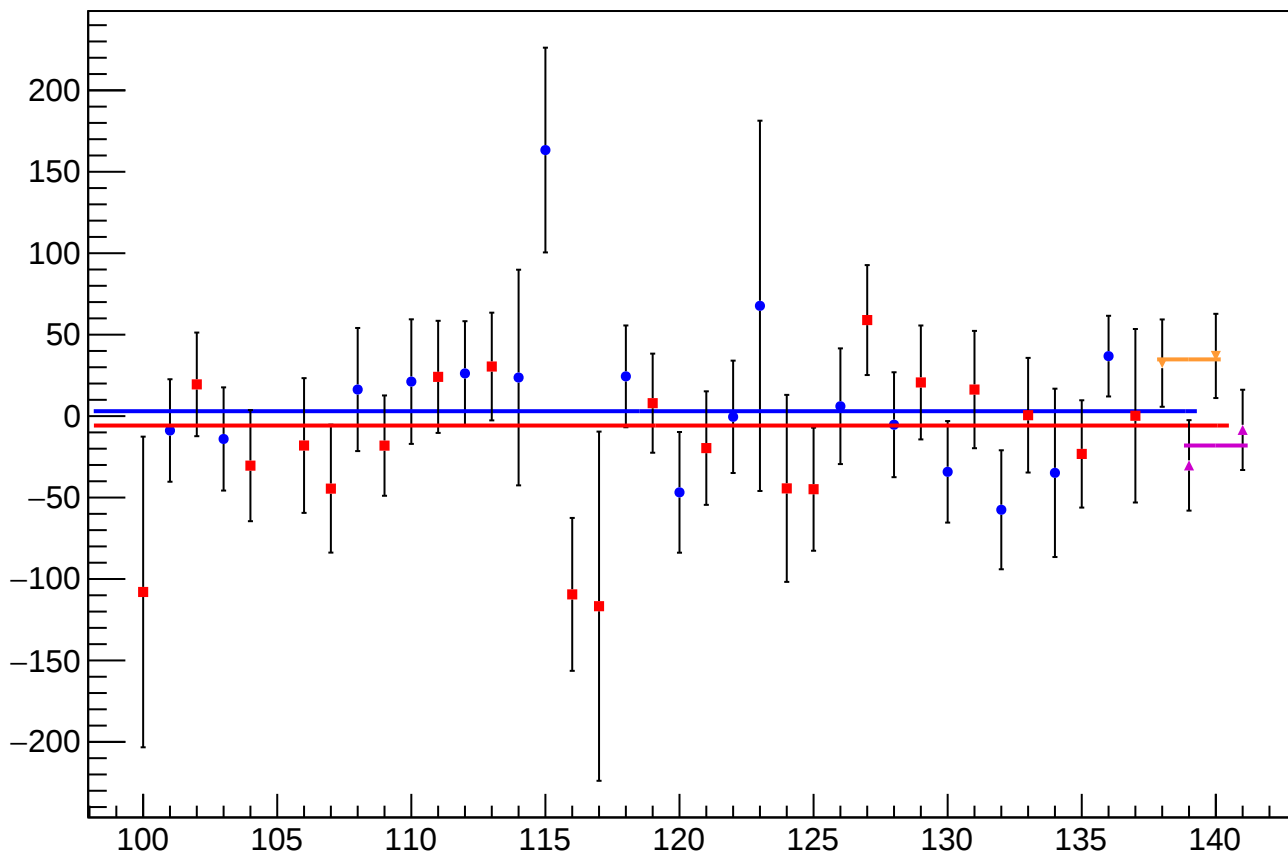
Right Out: 175.163 $\pm$ 0.050 χ^2 /NDF: 1514398.4/19

Left In: 218.944 $\pm$ 0.126 χ^2 /NDF:178.5/1

201.140 $\pm$ 0.052 χ^2 /NDF: 1018611.1/18

181.111 $\pm$ 0.047 χ^2 /NDF: 1618326.7/21

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: 34.820 $\pm$ 18.609 χ^2/NDF : 0.0/1

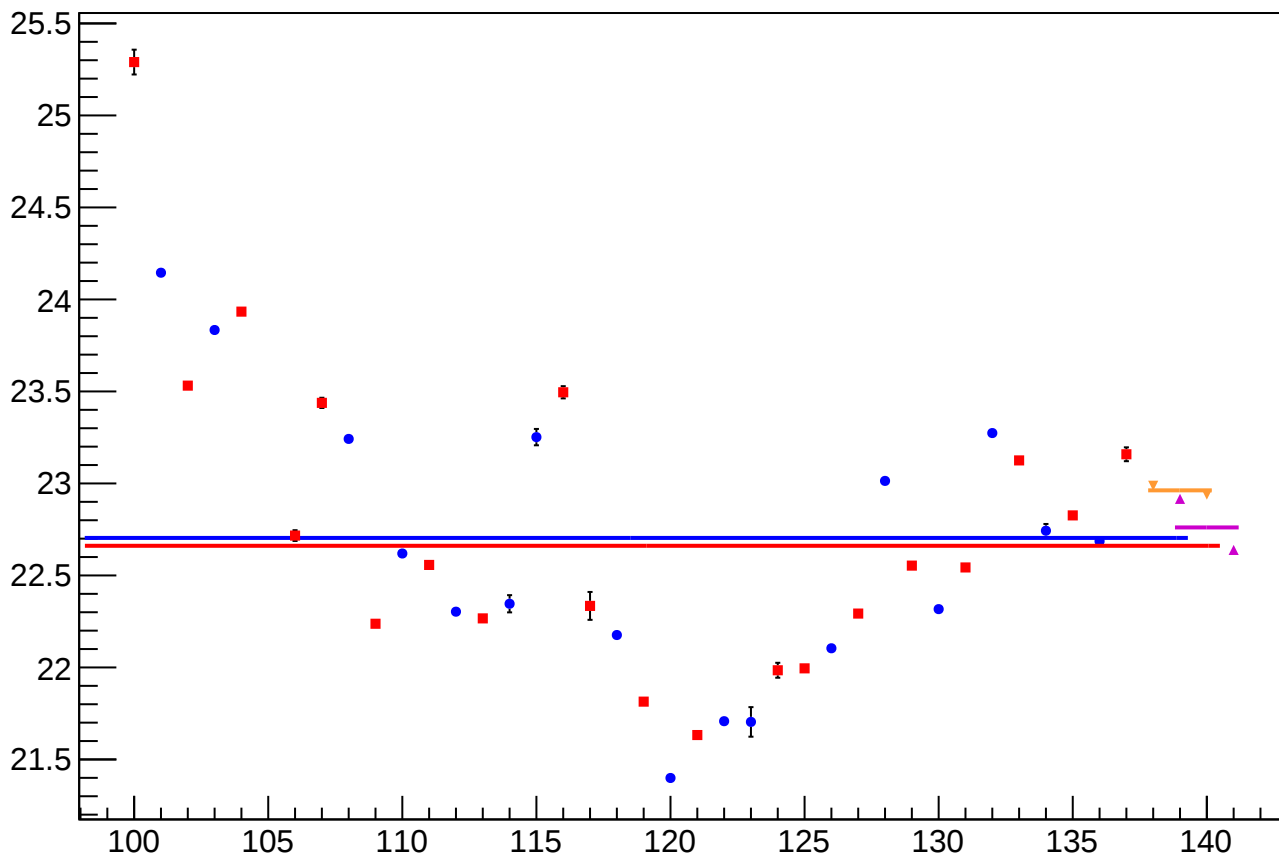
Right Out: -5.786 $\pm$ 8.451 χ^2/NDF : 18.3/19

Left In: -18.049 $\pm$ 18.431 χ^2/NDF : 0.3/1

8.781 $\pm$ 7.919 χ^2/NDF : 19.6/18

-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 $\pm$ 0.006 χ^2 /NDF: 14105.8/16

Left Out: 22.962 $\pm$ 0.013 χ^2 /NDF:3.4/1

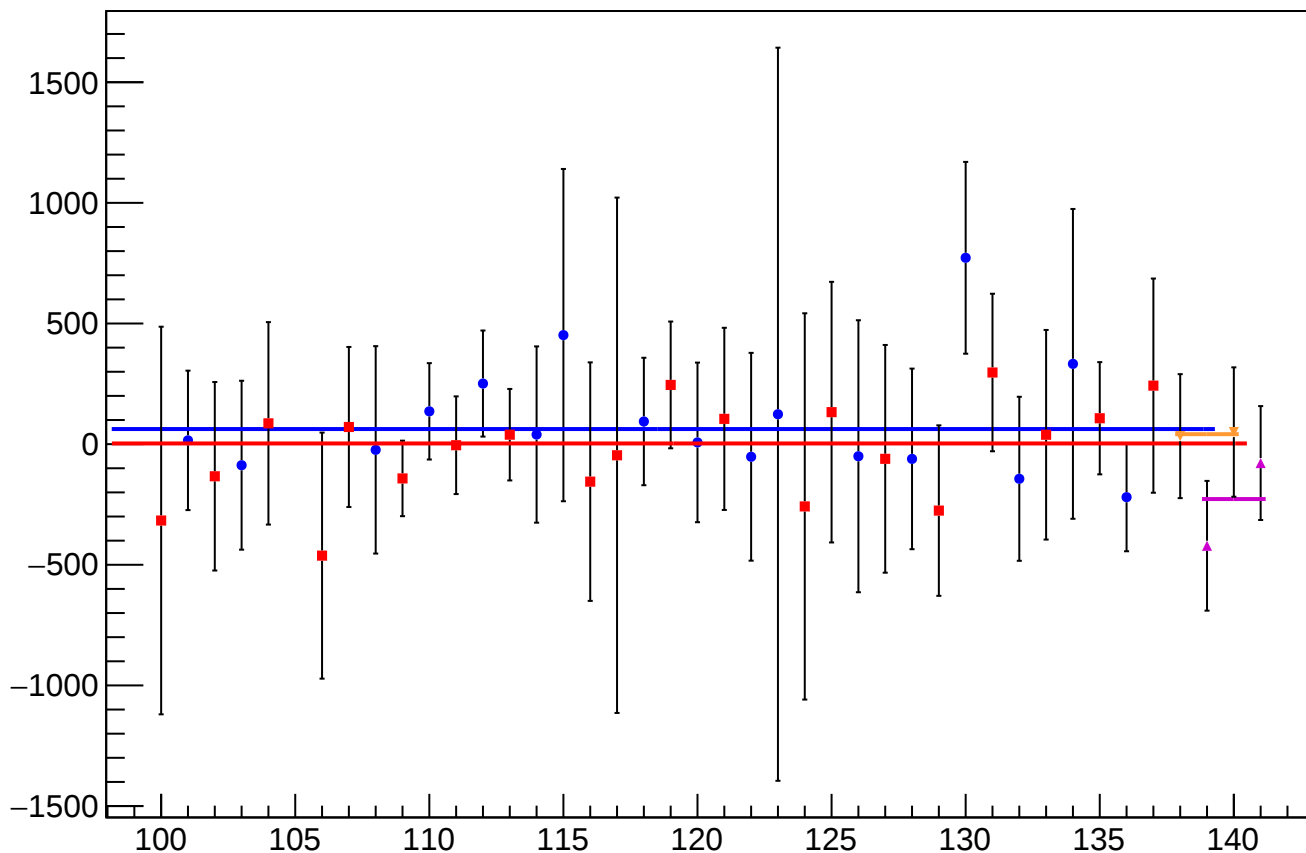
Right Out: 22.661 $\pm$ 0.006 χ^2 /NDF: 12962.1/19

Left In: 22.761 $\pm$ 0.013 χ^2 /NDF:111.7/1

22.751 $\pm$ 0.006 χ^2 /NDF: 14425.2/18

22.678 $\pm$ 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: 41.289+/-185.497 χ^2/NDF : 0.0/1

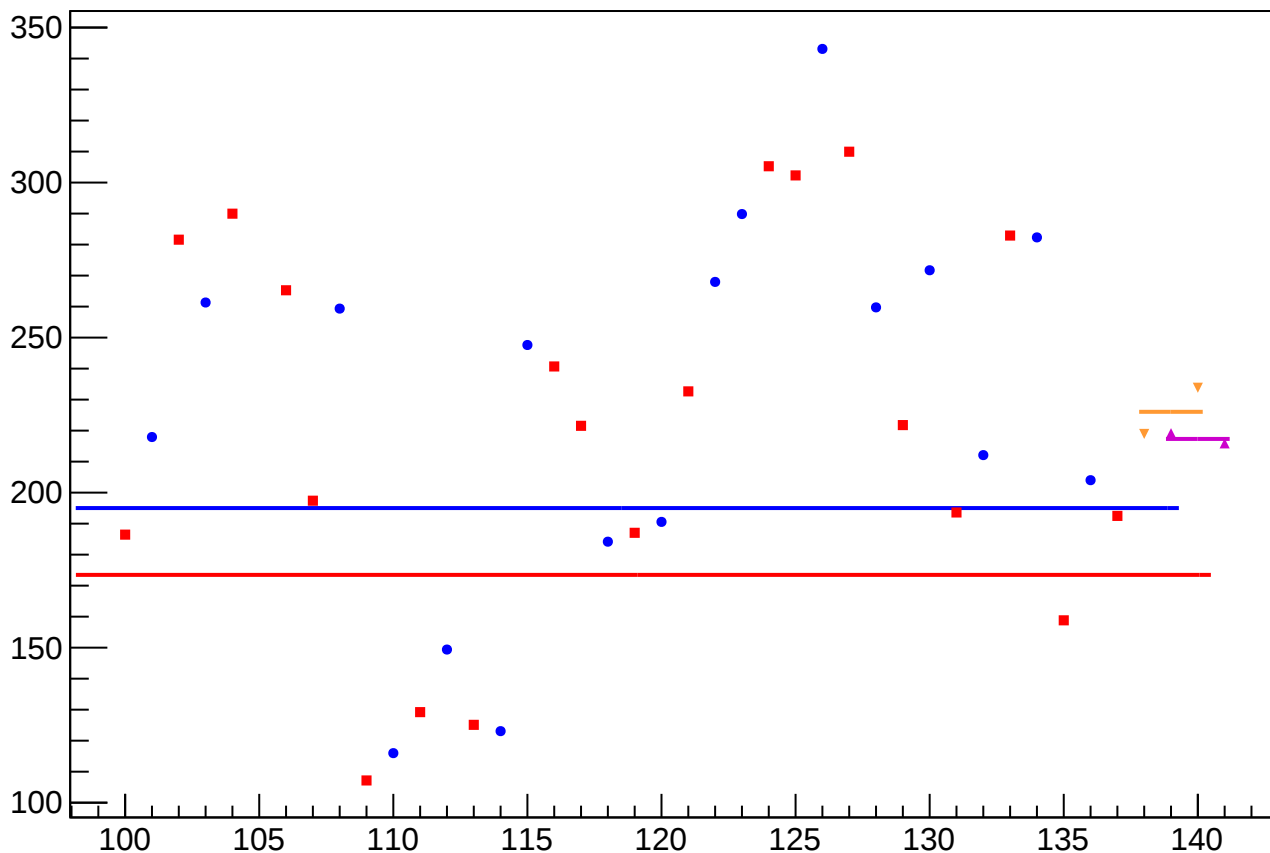
Right Out: 2.824+/-70.364 χ^2/NDF : 5.2/19

Left In: -227.581+/-177.378 χ^2/NDF : 0.9/1

59.263+/-73.153 χ^2/NDF : 7.0/18

-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: 226.065+/-0.131 χ^2/NDF :3219.1/1

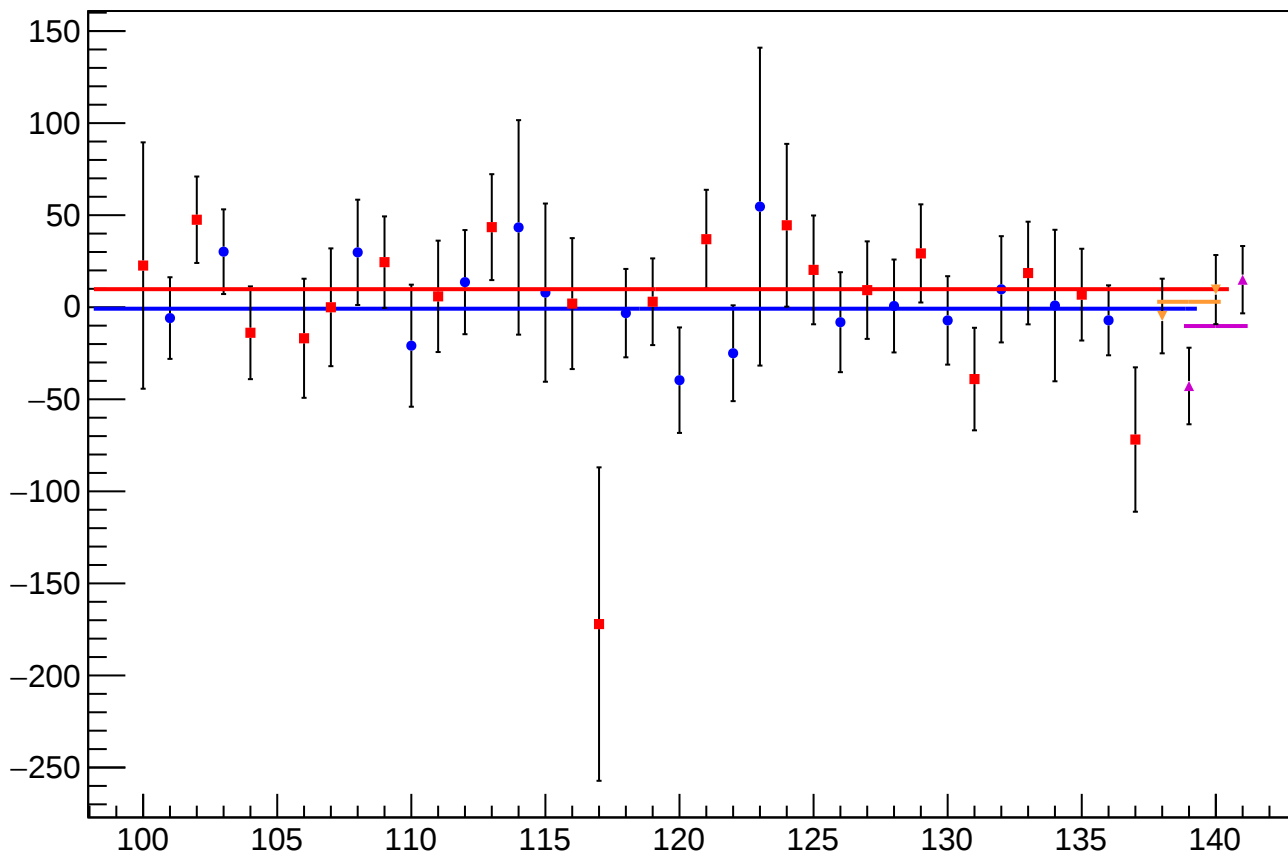
Right Out: 173.471+/-0.050 χ^2/NDF : 1582273.4/19

Left In: 217.317+/-0.125 χ^2/NDF :169.3/1

199.850+/-0.052 χ^2/NDF : 1054804.6/18

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: 2.960 ± 13.774 χ^2/NDF : 0.3/1

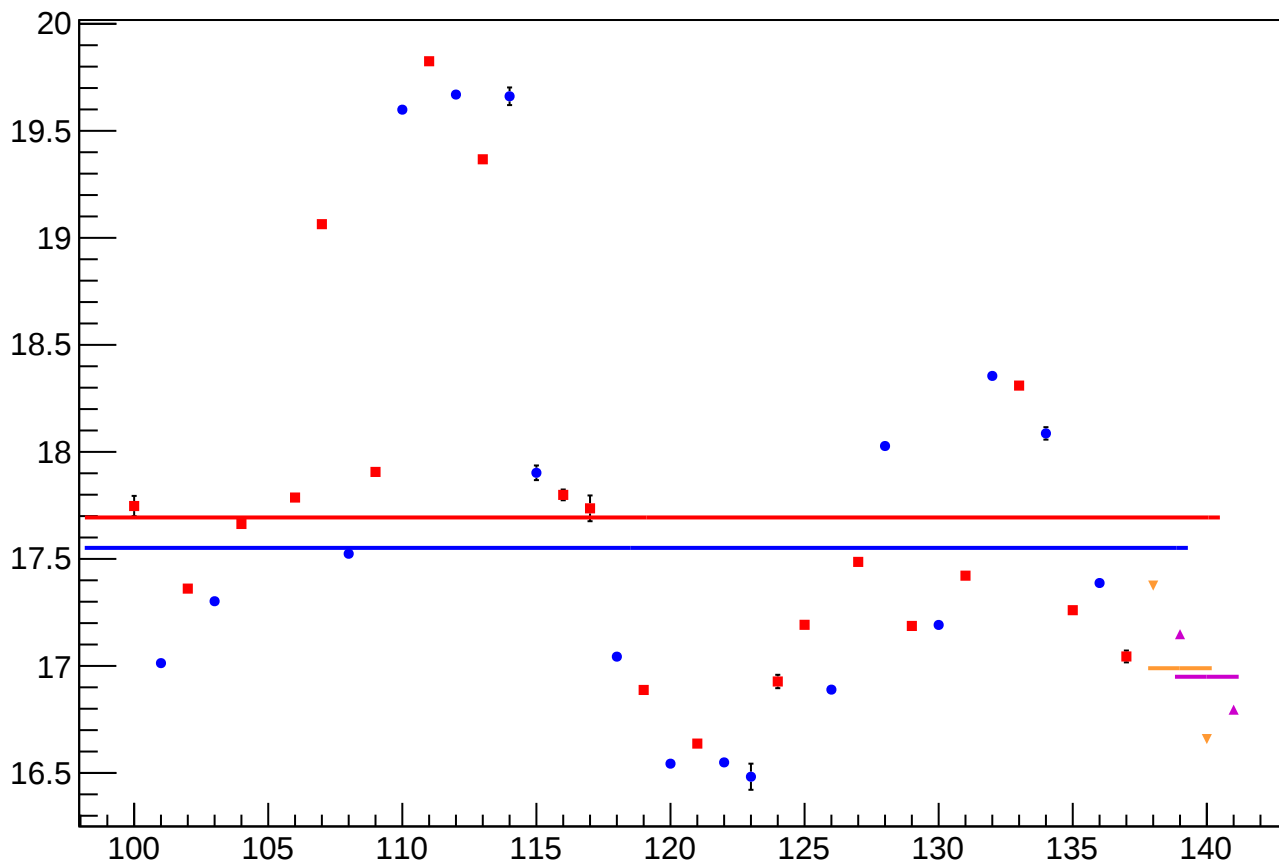
Right Out: 9.809 ± 6.606 χ^2/NDF : 20.5/19

Left In: -10.213 ± 13.731 χ^2/NDF : 4.3/1

-0.070 ± 6.076 χ^2/NDF : 8.1/18

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 $\pm$ 0.005 χ^2/NDF : 34027.1/16

Left Out: 16.989 $\pm$ 0.010 χ^2/NDF :1347.2/1

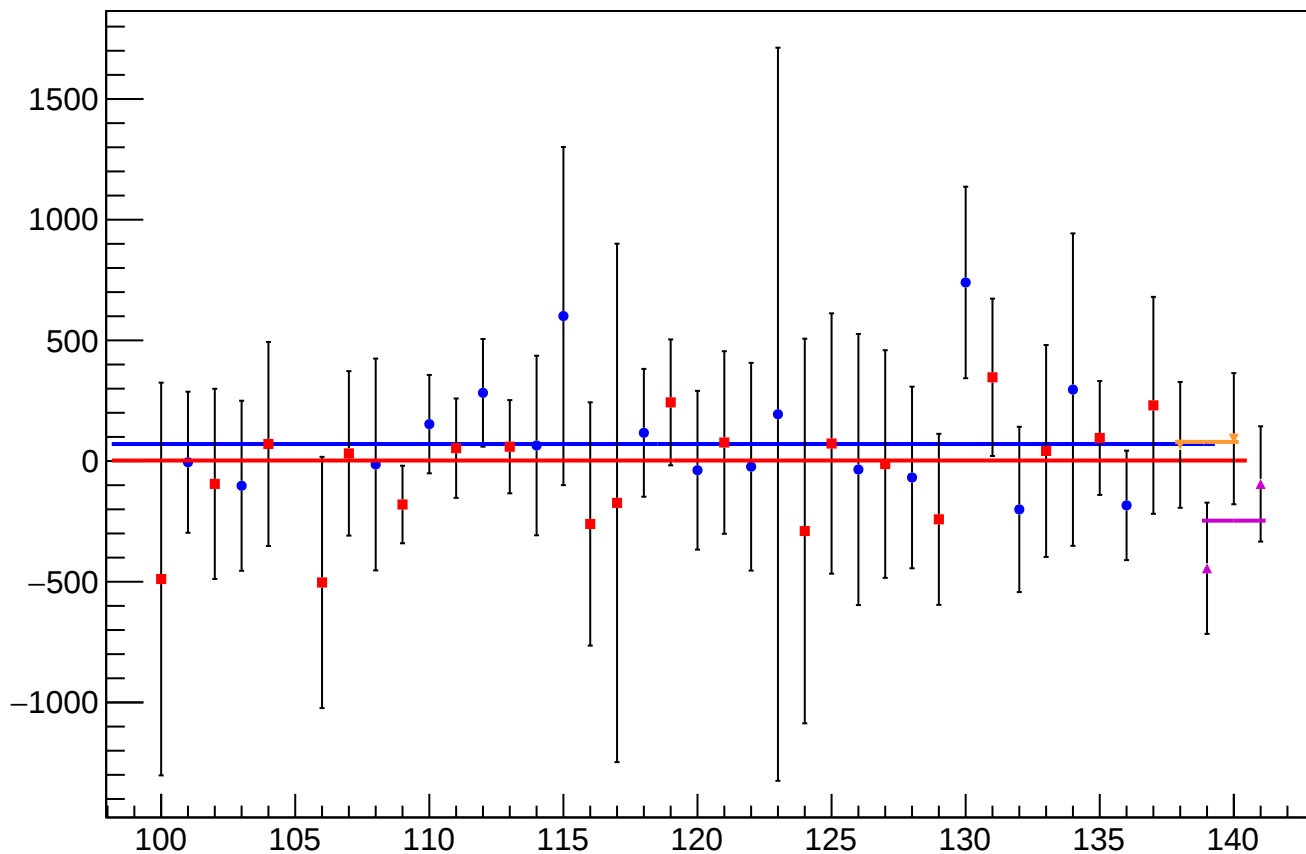
Right Out: 17.694 $\pm$ 0.005 χ^2/NDF : 30742.5/19

Left In: 16.949 $\pm$ 0.010 χ^2/NDF :324.5/1

17.442 $\pm$ 0.004 χ^2/NDF : 38058.2/18

17.554 $\pm$ 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: 79.398+/-188.126 χ^2/NDF : 0.0/1

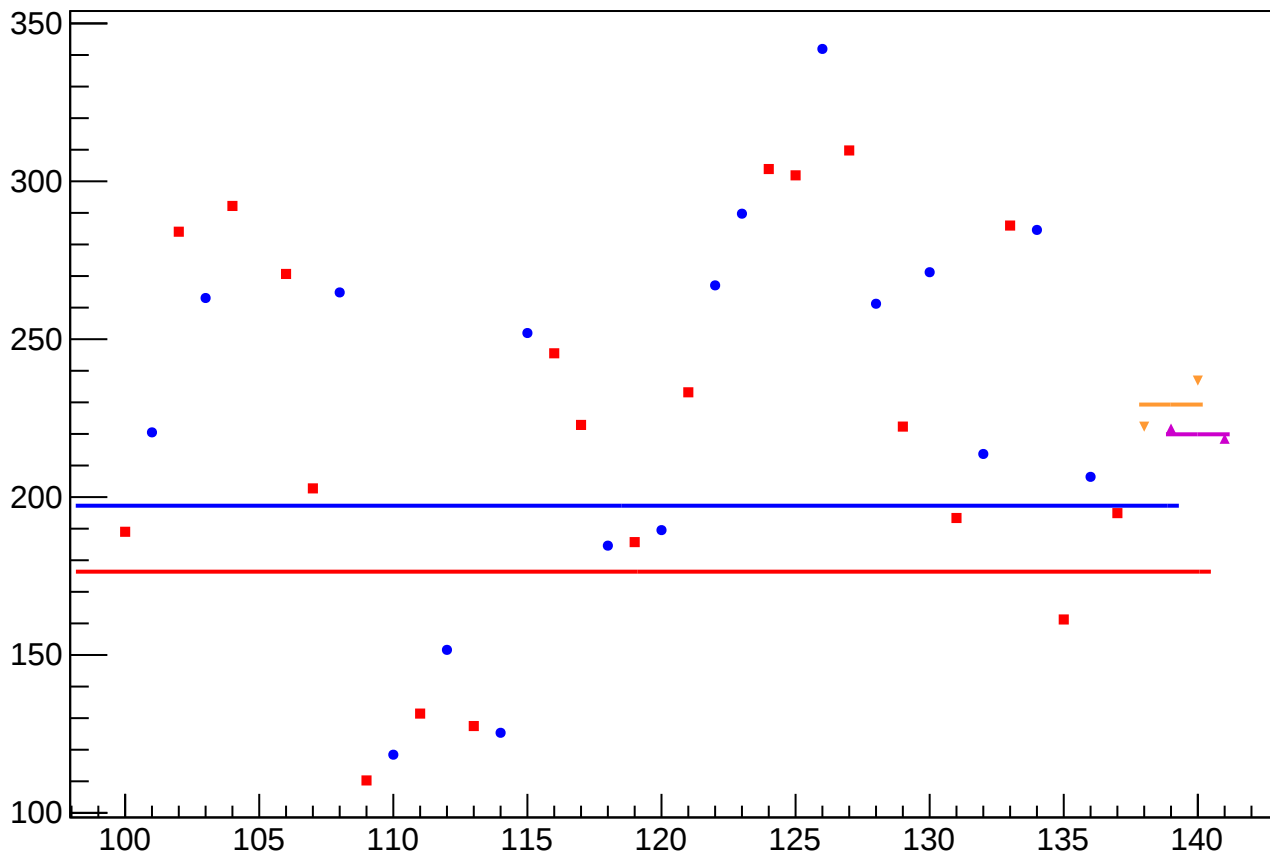
Right Out: 2.285+/-71.350 χ^2/NDF : 6.2/19

Left In: -246.867+/-179.453 χ^2/NDF : 0.9/1

71.988+/-73.938 χ^2/NDF : 7.2/18

-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: 229.305 $\pm$ 0.133 χ^2 /NDF:3003.1/1

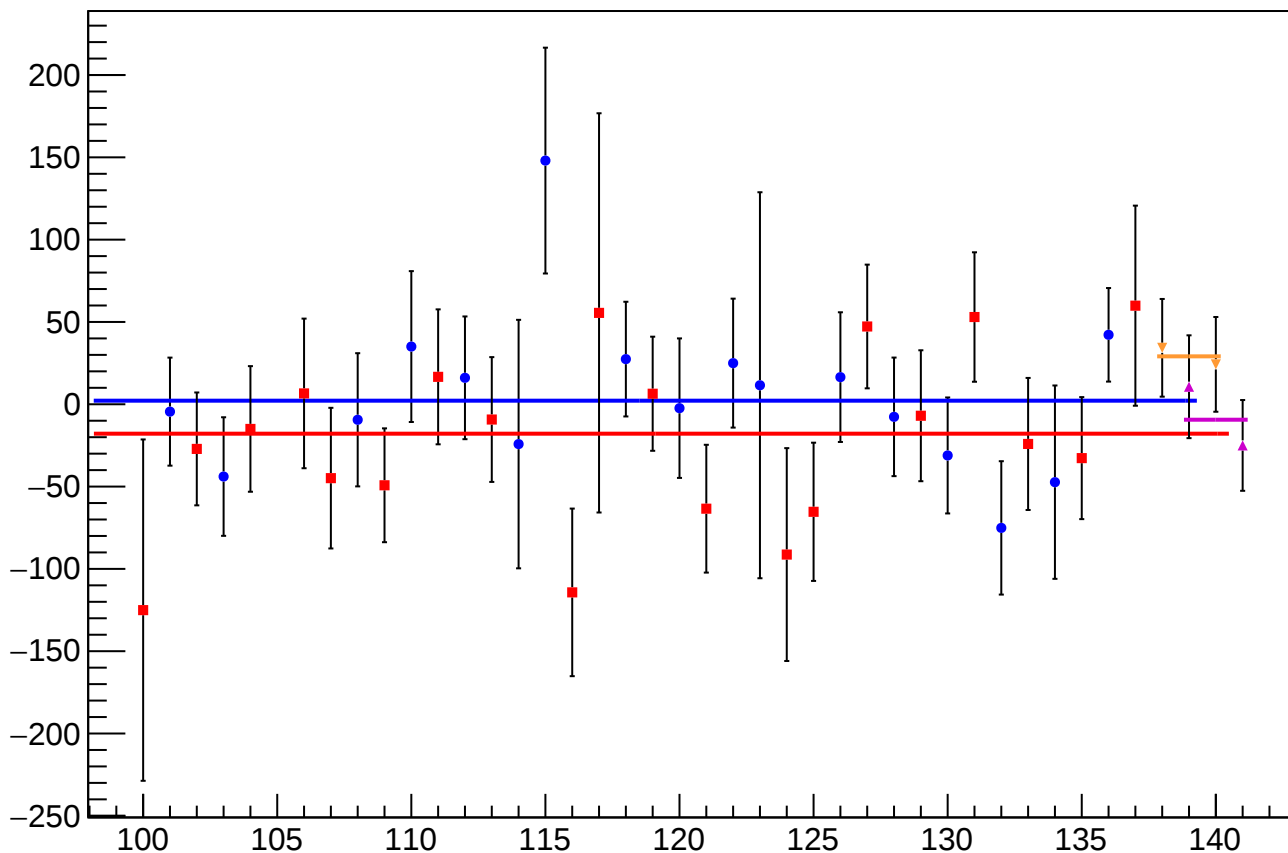
Right Out: 176.387 $\pm$ 0.050 χ^2 /NDF: 1523467.7/19

Left In: 219.885 $\pm$ 0.127 χ^2 /NDF:160.6/1

202.219 $\pm$ 0.052 χ^2 /NDF: 1021585.7/18

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 $\pm$ 9.825 χ^2/NDF : 15.4/16

Left Out: 29.111 $\pm$ 20.660 χ^2/NDF : 0.1/1

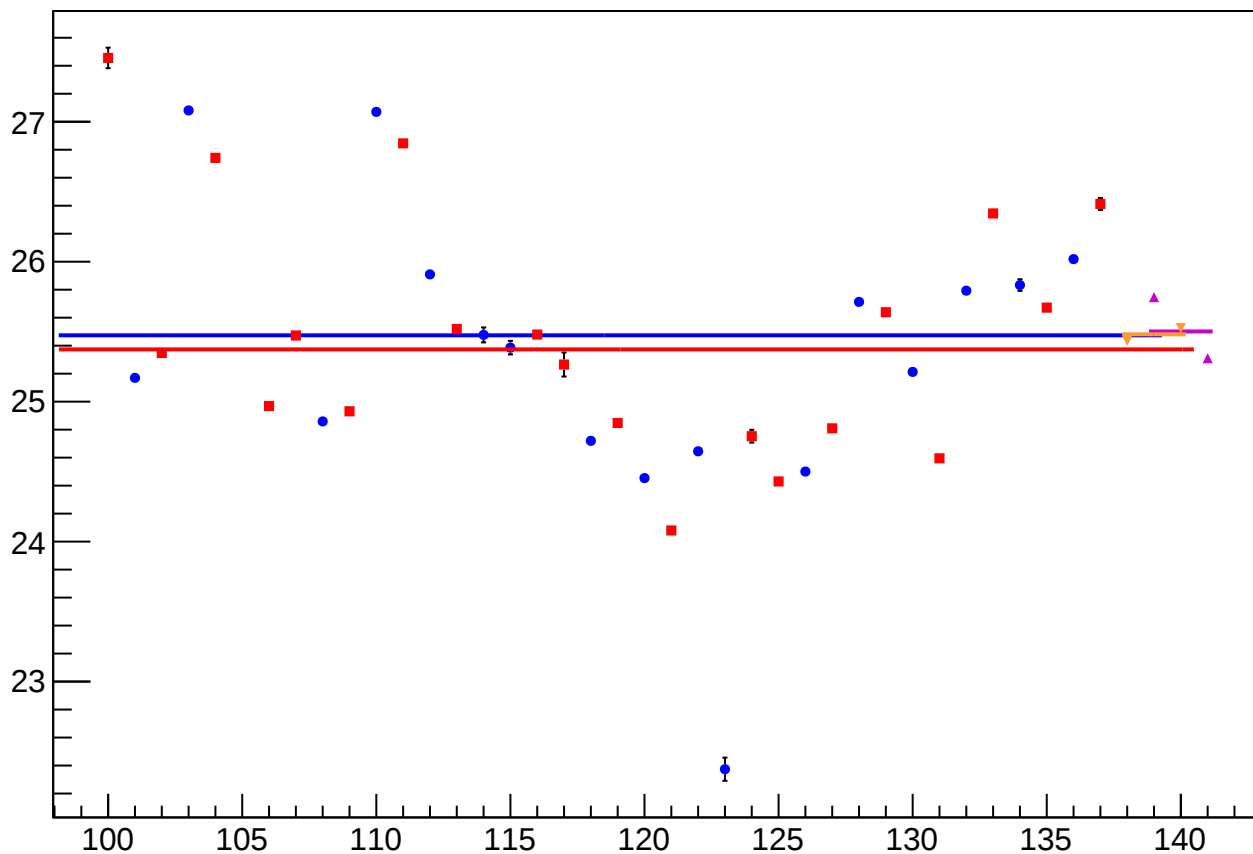
Right Out: -17.869 $\pm$ 9.468 χ^2/NDF : 20.0/19

Left In: -9.384 $\pm$ 20.667 χ^2/NDF : 0.7/1

7.145 $\pm$ 8.873 χ^2/NDF : 16.8/18

-16.398 $\pm$ 8.608 χ^2/NDF : 20.8/21

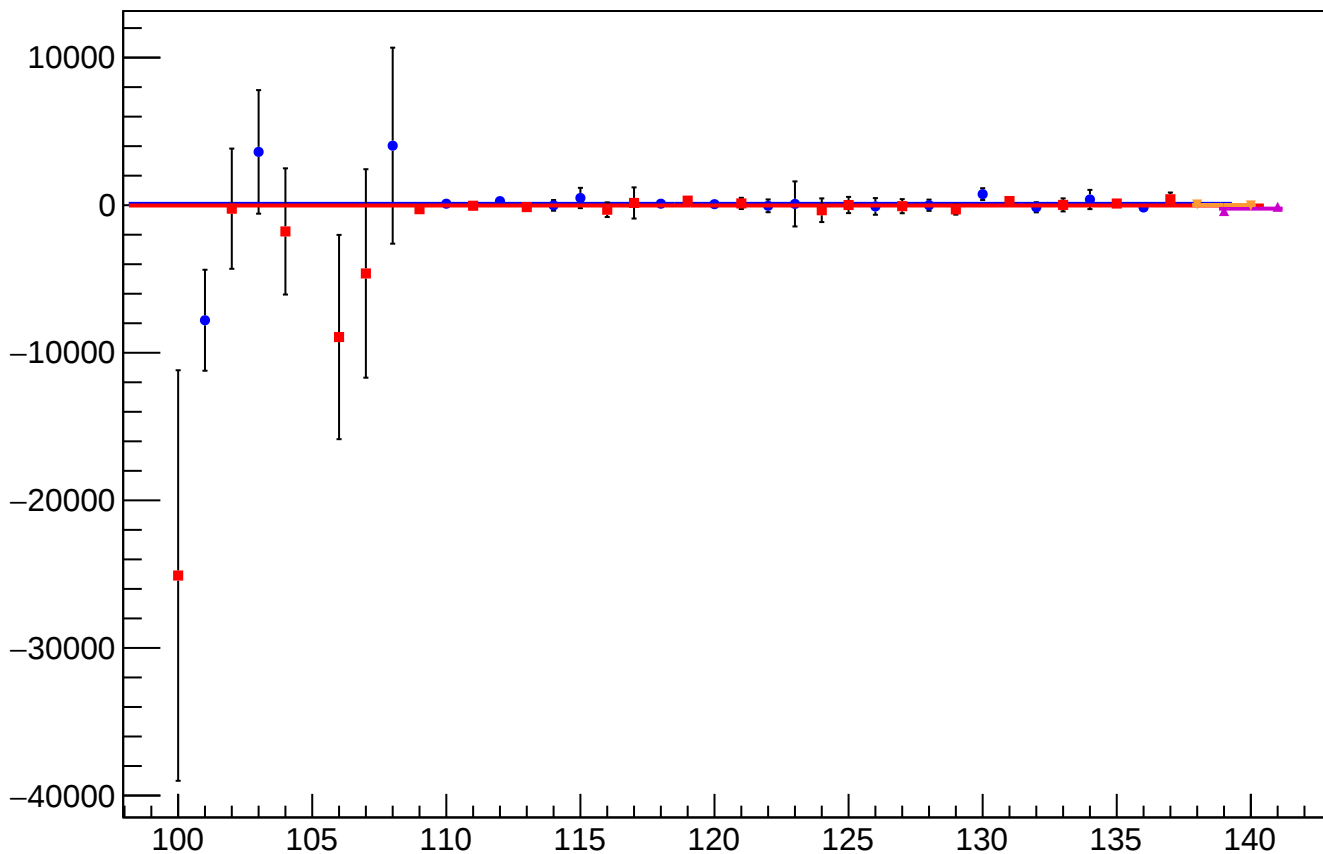
asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



25.475 ± 0.006 $\chi^2/\text{NDF}: 14071.1/18$

25.396 ± 0.006 $\chi^2/\text{NDF}: 13866.1/21$

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: 14.564+/-184.000 χ^2/NDF : 0.0/1

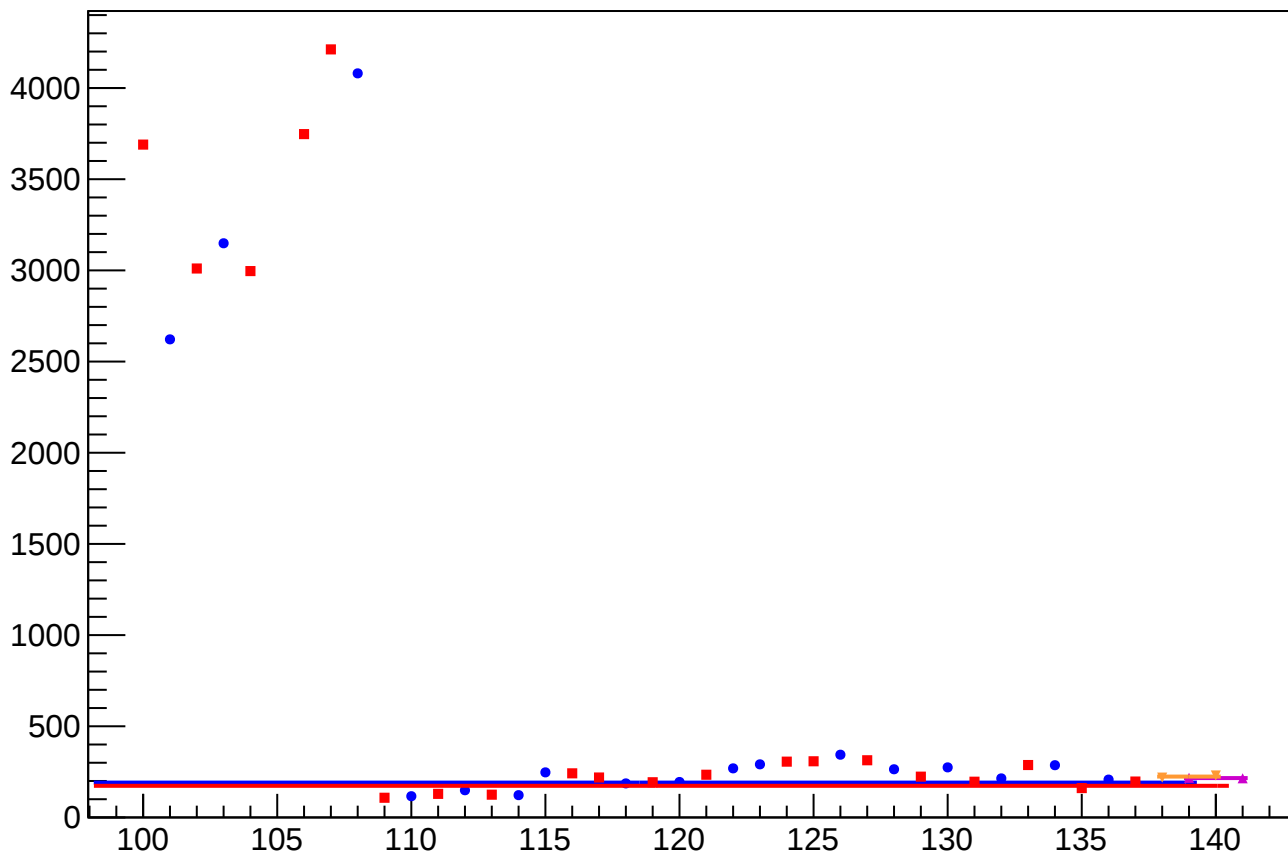
Right Out: -21.600+/-80.665 χ^2/NDF : 11.9/19

Left In: -232.912+/-176.349 χ^2/NDF : 0.7/1

75.742+/-79.116 χ^2/NDF : 12.5/18

-58.163+/-73.355 χ^2/NDF : 13.8/21

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



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

Left Out: 224.173+/-0.130 χ^2/NDF : 2033.9/1

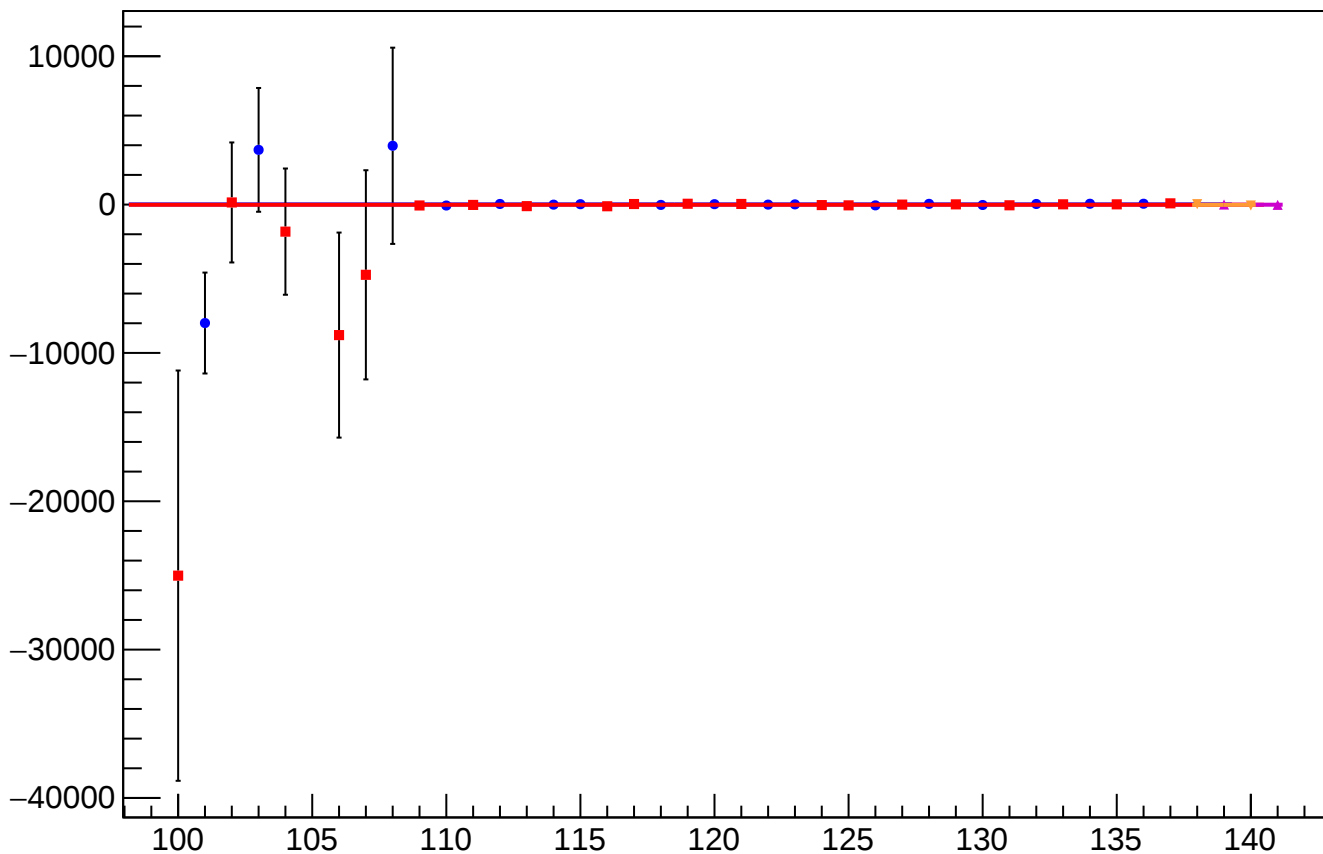
Right Out: 173.536+/-0.057 χ^2/NDF : 4210933.2/19

Left In: 215.962+/-0.125 χ^2/NDF : 112.8/1

197.288+/-0.056 χ^2/NDF : 3626164.2/18

180.877+/-0.052 χ^2/NDF : 4306773.1/21

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: -18.533+/-23.690 χ^2/NDF : 3.6/1

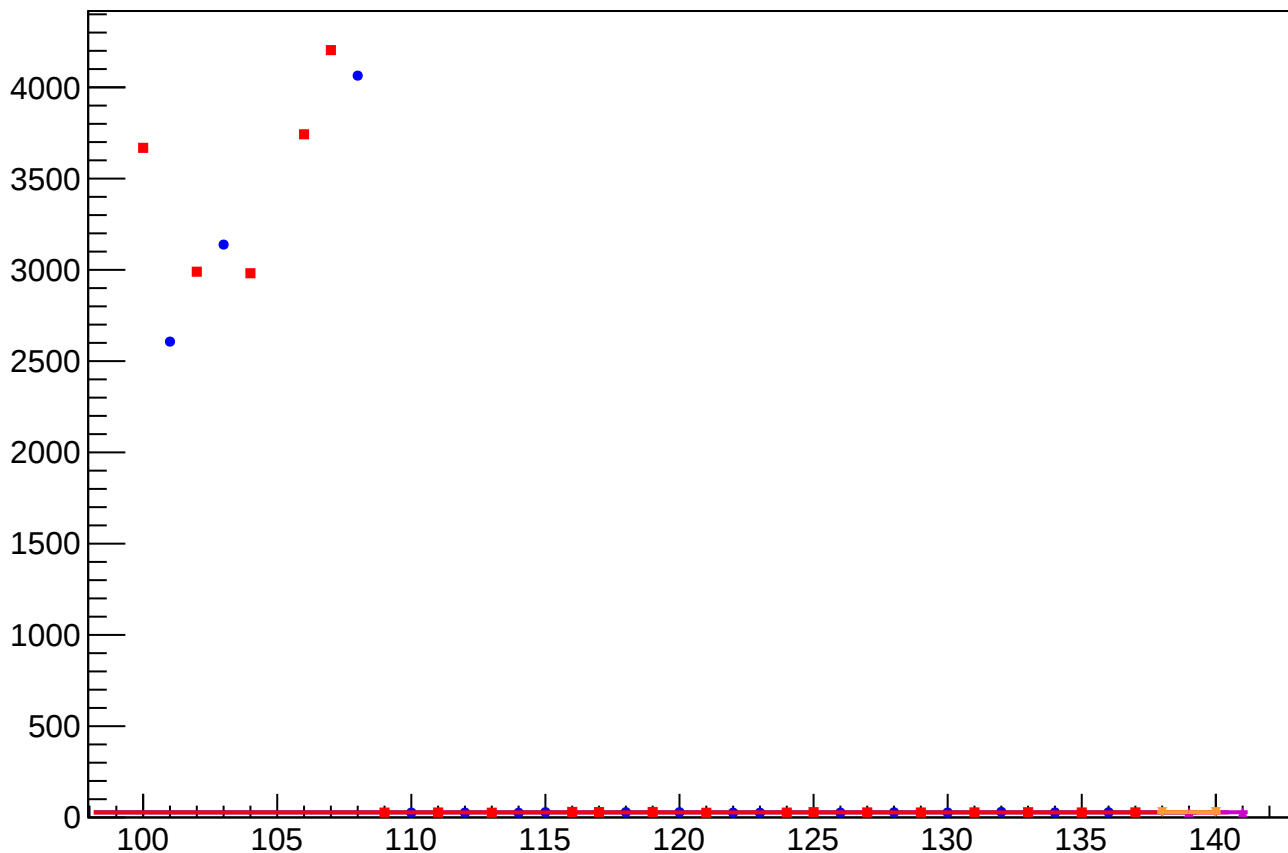
Right Out: -12.573+/-12.182 χ^2/NDF : 24.5/19

Left In: -8.716+/-23.129 χ^2/NDF : 0.2/1

4.342+/-10.839 χ^2/NDF : 23.1/18

-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 $\pm$ 0.009 χ^2 /NDF: 3026887.2/16

Left Out: 29.116 $\pm$ 0.017 χ^2 /NDF:126.6/1

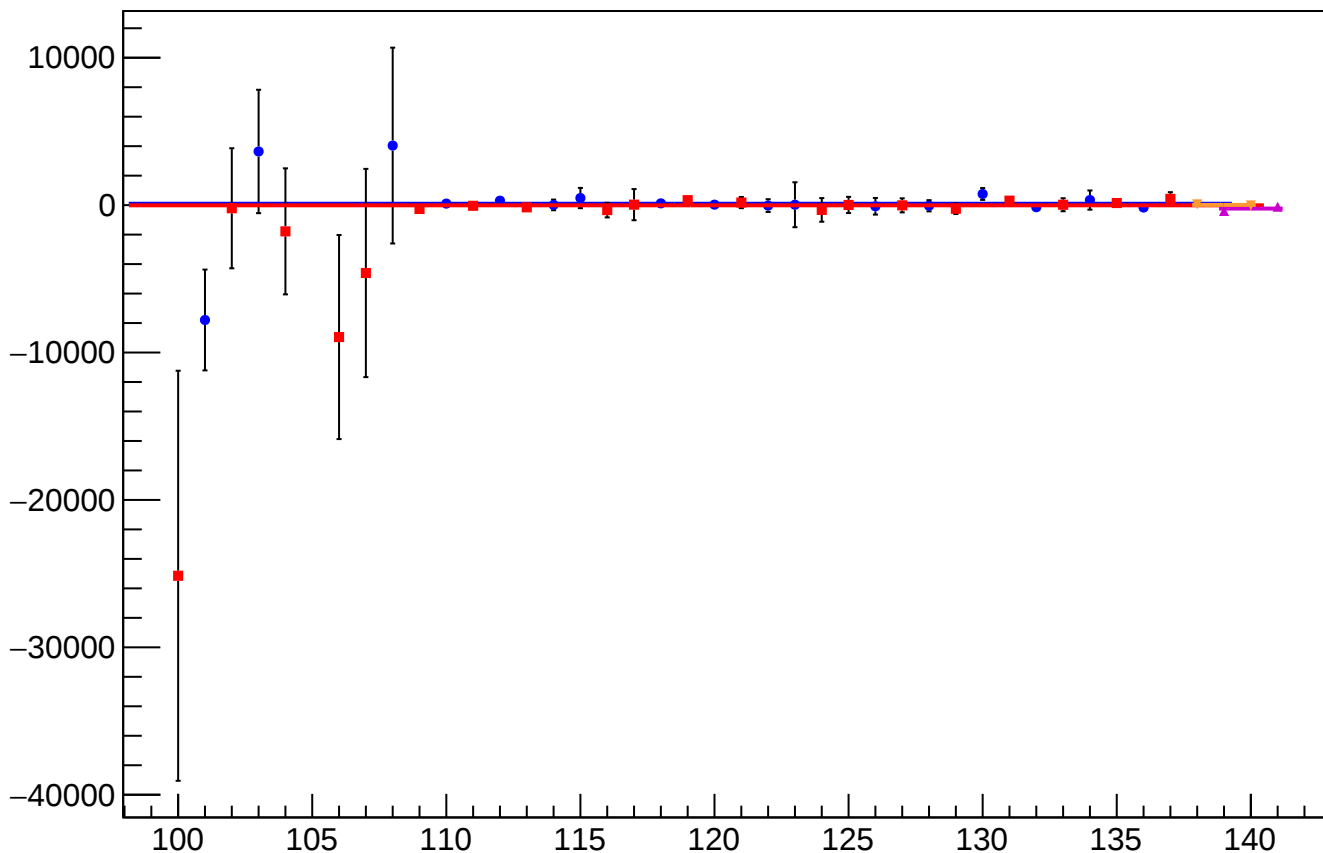
Right Out: 27.706 $\pm$ 0.009 χ^2 /NDF: 3477080.4/19

Left In: 28.502 $\pm$ 0.016 χ^2 /NDF:365.5/1

28.104 $\pm$ 0.008 χ^2 /NDF: 3031628.8/18

27.879 $\pm$ 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: 16.231+/-183.516 χ^2/NDF : 0.0/1

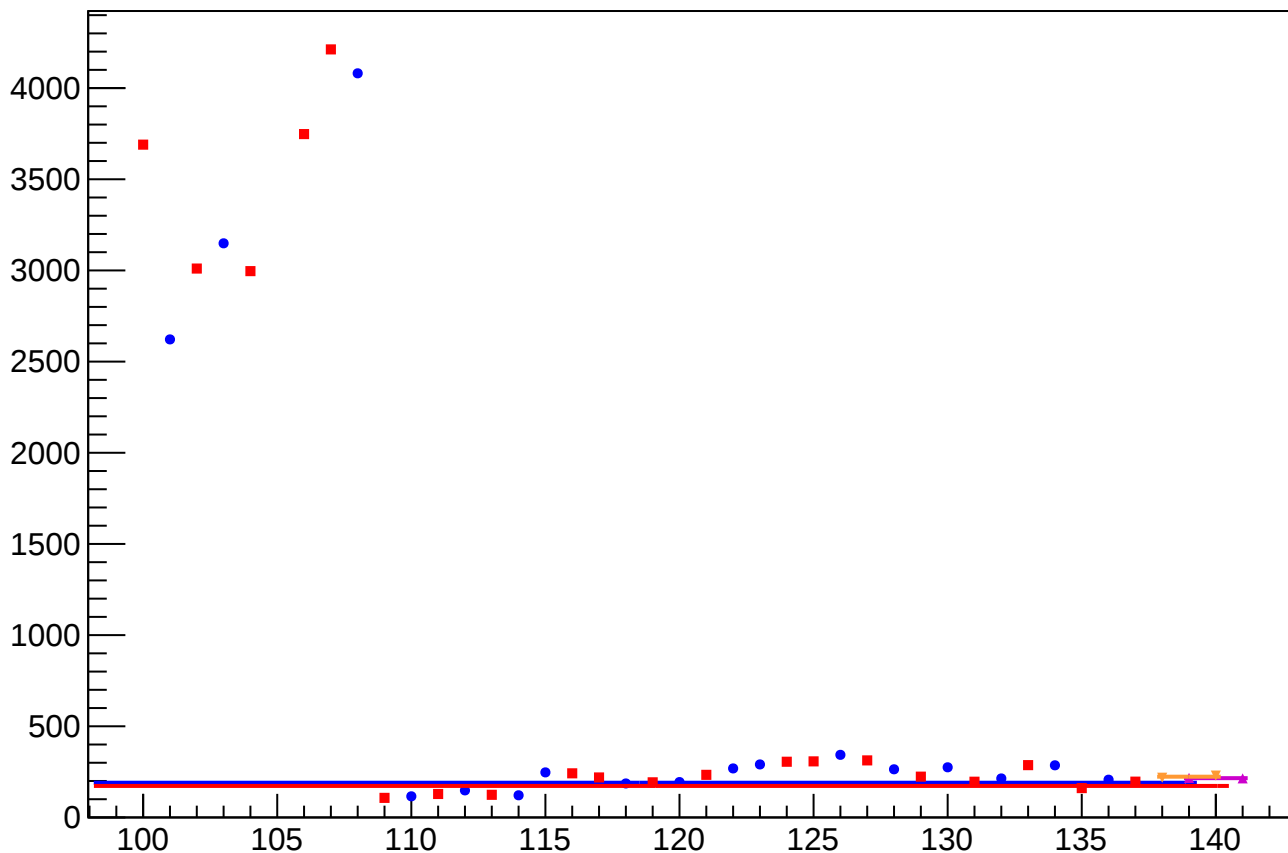
Right Out: -12.509+/-80.407 χ^2/NDF : 12.7/19

Left In: -232.119+/-175.986 χ^2/NDF : 0.7/1

78.687+/-78.878 χ^2/NDF : 12.8/18

-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: 223.584+/-0.130 χ^2/NDF : 2038.7/1

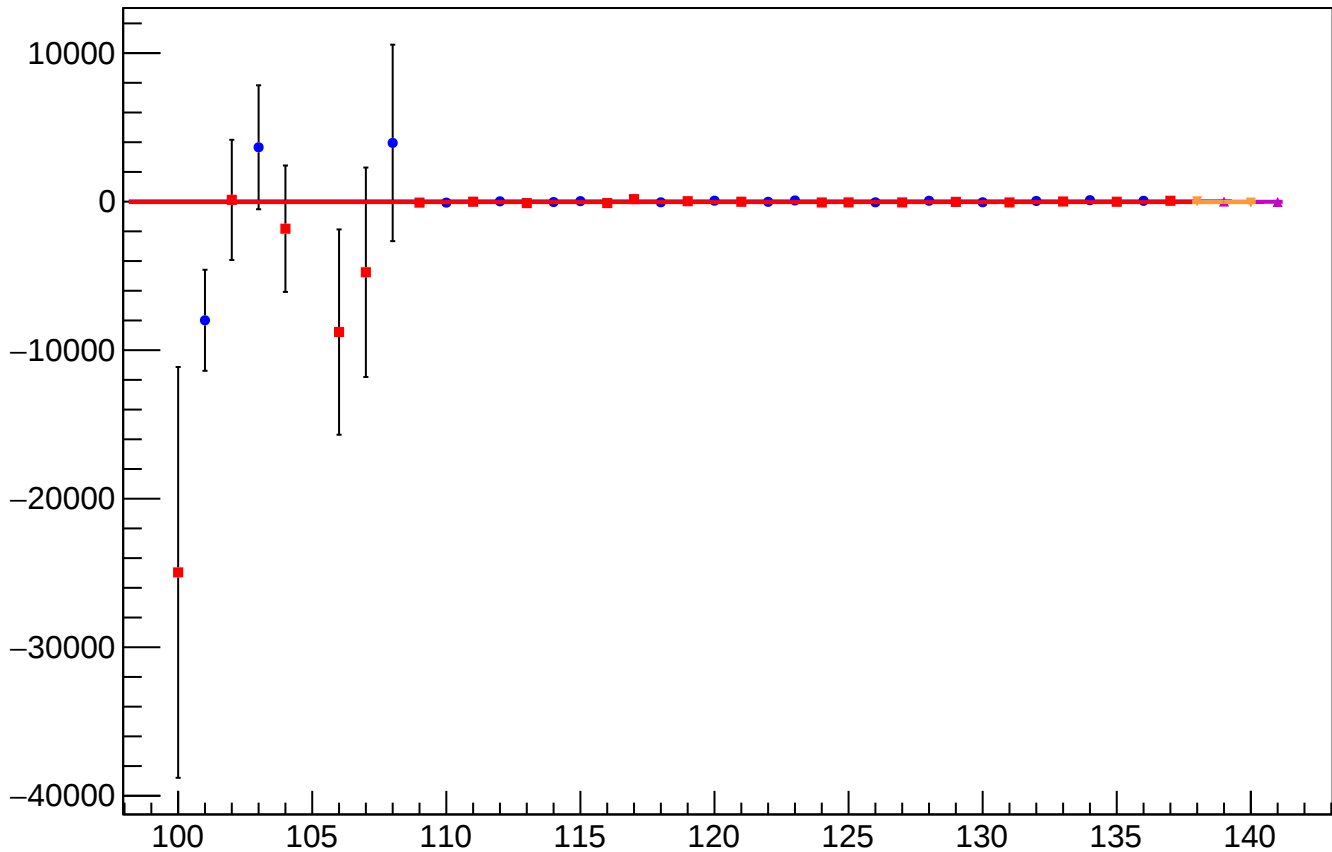
Right Out: 172.872+/-0.057 χ^2/NDF : 4222275.2/19

Left In: 215.517+/-0.124 χ^2/NDF : 112.2/1

196.600+/-0.056 χ^2/NDF : 3638650.8/18

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: -23.996 $\pm$ 23.814 χ^2 /NDF: 3.2/1

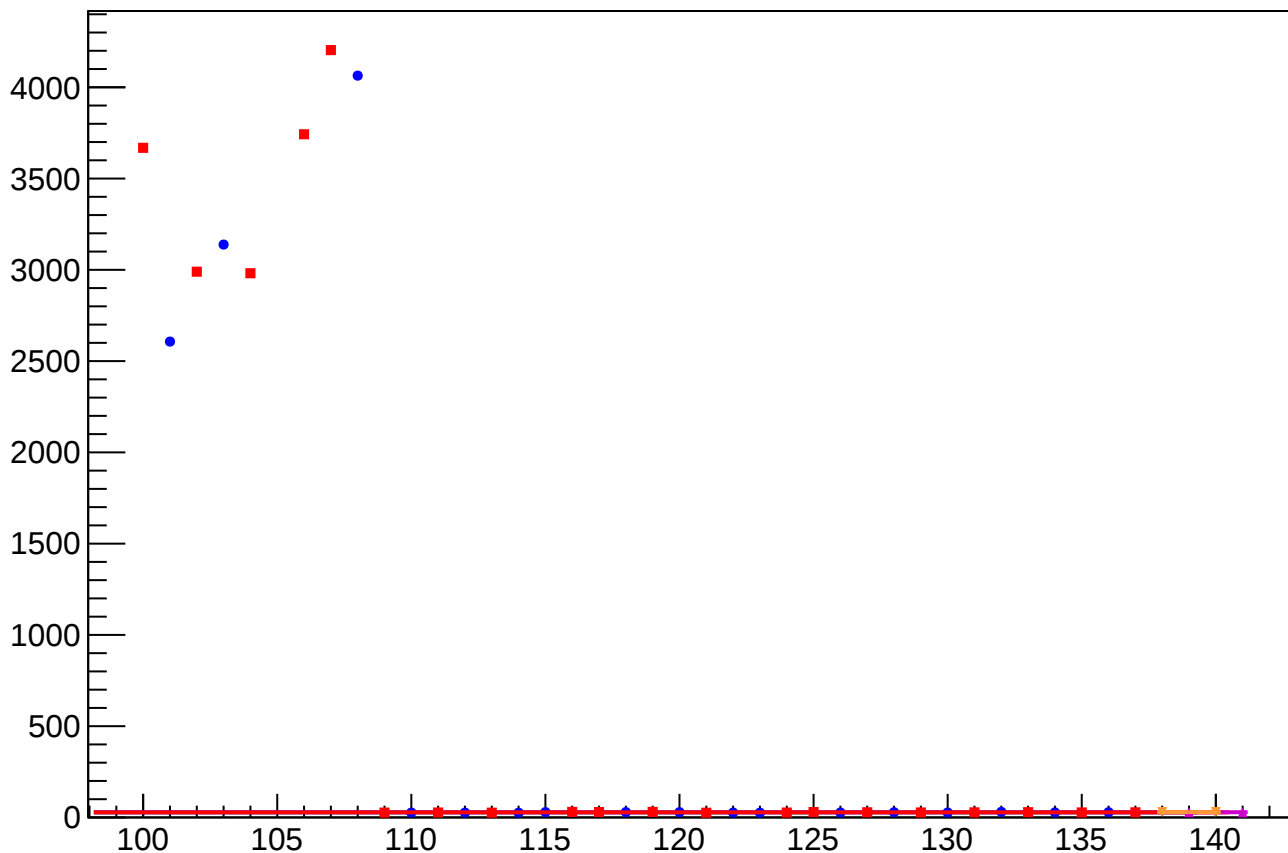
Right Out: -28.128 $\pm$ 12.282 χ^2 /NDF: 18.5/19

Left In: -9.348 $\pm$ 23.204 χ^2 /NDF: 0.4/1

2.550 $\pm$ 10.910 χ^2 /NDF: 28.0/18

-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: 29.270+/-0.017 χ^2/NDF :1.5/1

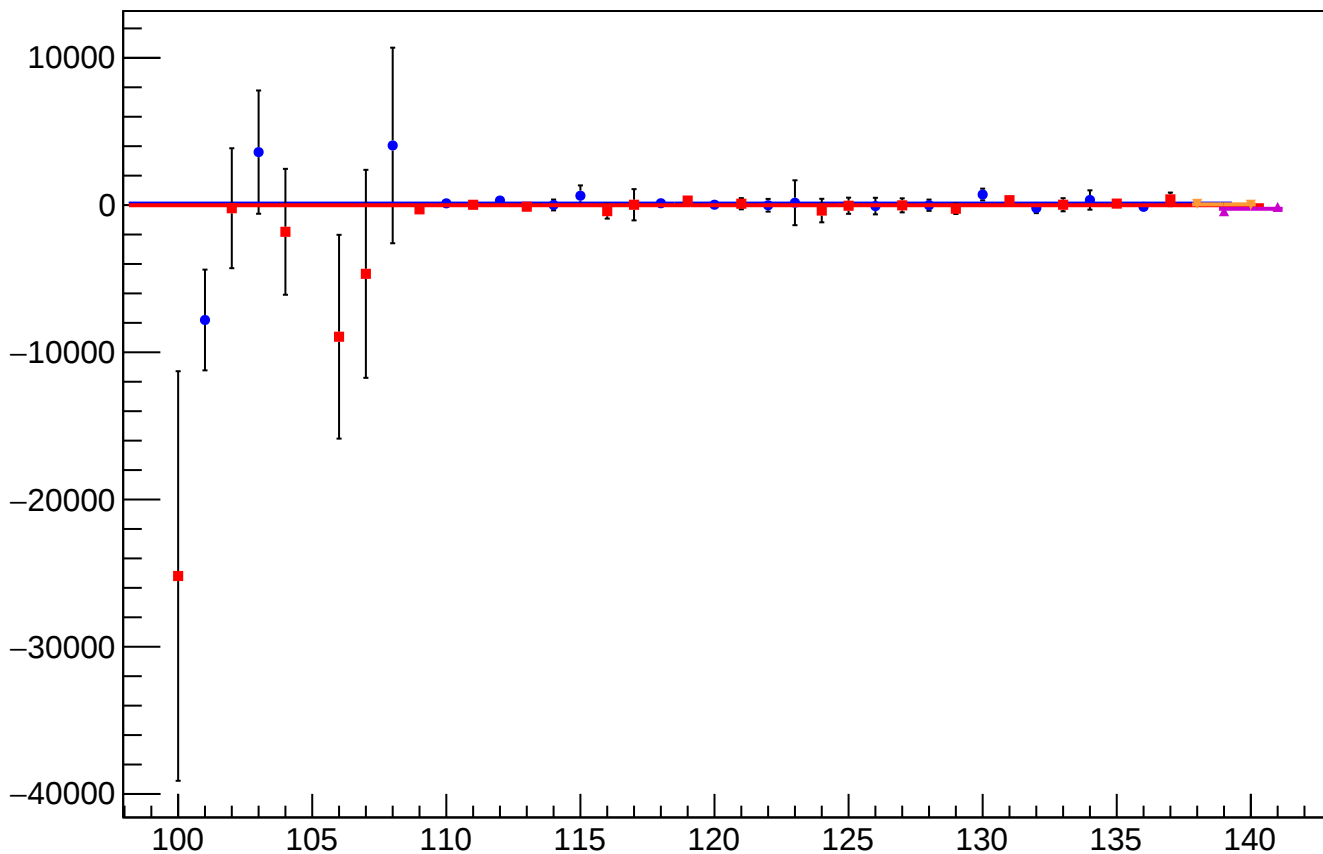
Right Out: 27.929+/-0.009 χ^2/NDF : 3479867.7/19

Left In: 28.593+/-0.016 χ^2/NDF :502.0/1

28.285+/-0.008 χ^2/NDF : 3031338.8/18

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: 51.454 $\pm$ 186.526 χ^2/NDF : 0.0/1

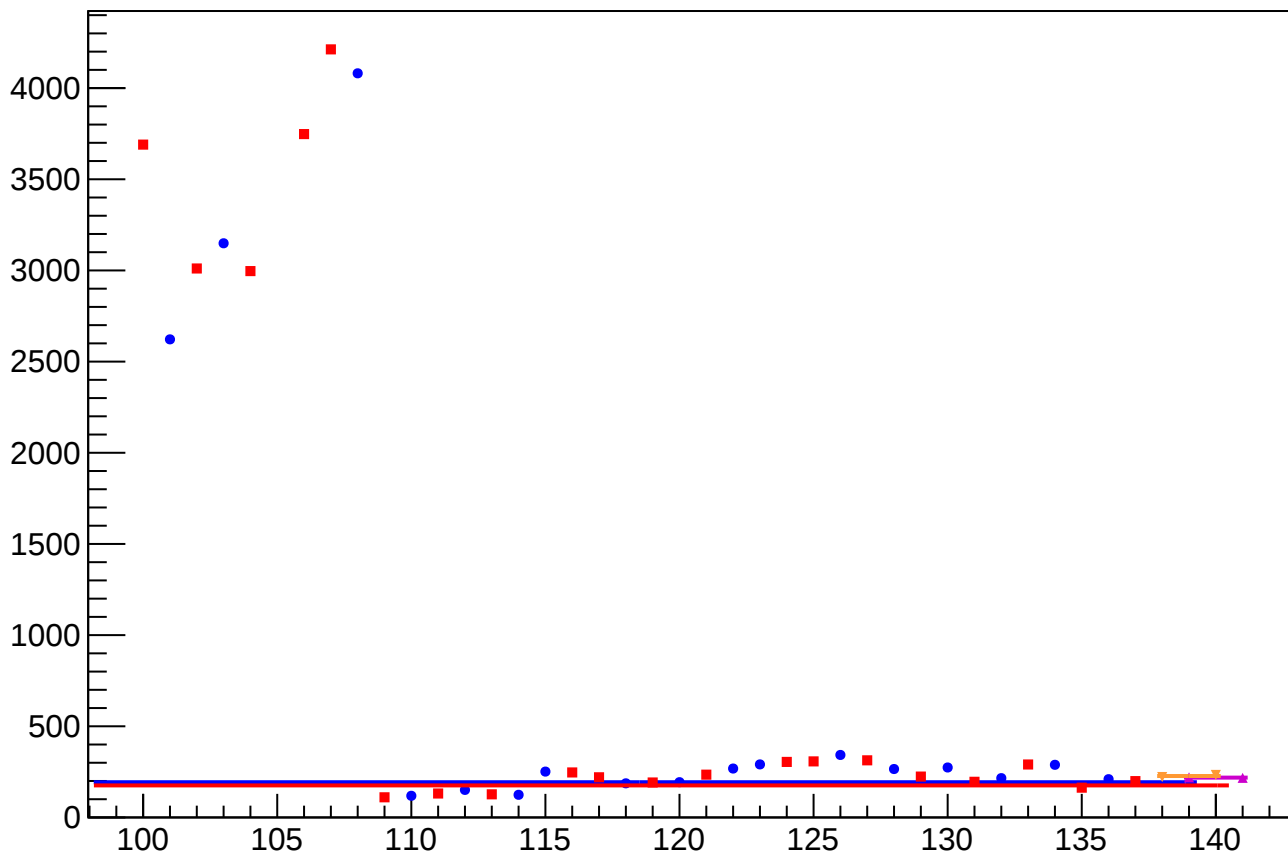
Right Out: -11.037 $\pm$ 81.486 χ^2/NDF : 12.3/19

Left In: -251.384 $\pm$ 178.366 χ^2/NDF : 0.7/1

92.545 $\pm$ 79.876 χ^2/NDF : 12.5/18

-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: 227.278+/-0.132 χ^2/NDF :1897.5/1

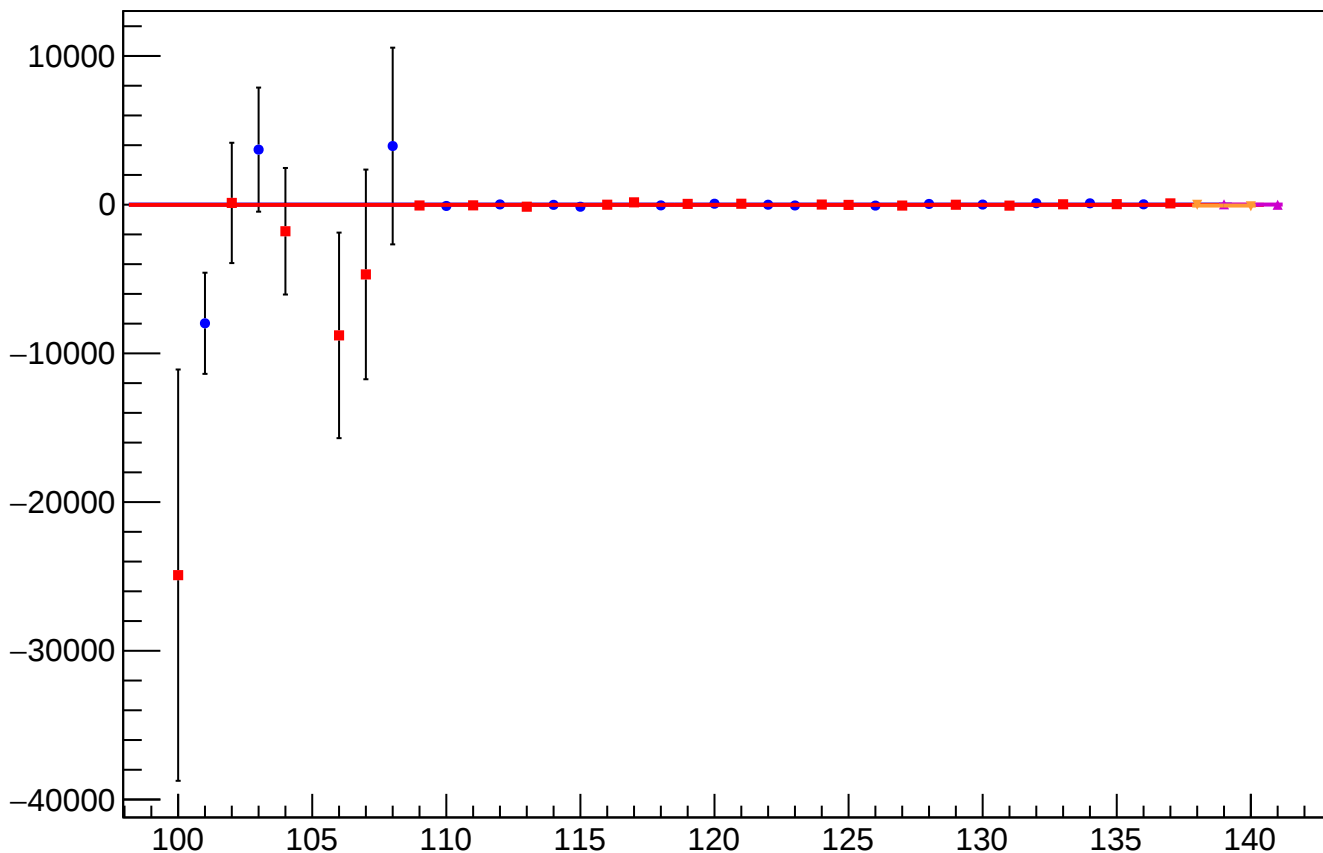
Right Out: 175.749+/-0.058 χ^2/NDF : 4168935.2/19

Left In: 218.461+/-0.126 χ^2/NDF :105.0/1

199.441+/-0.056 χ^2/NDF : 3592567.8/18

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 χ^2 /NDF: 20.4/16

Left Out: -59.138+/-28.911 χ^2 /NDF:3.1/1

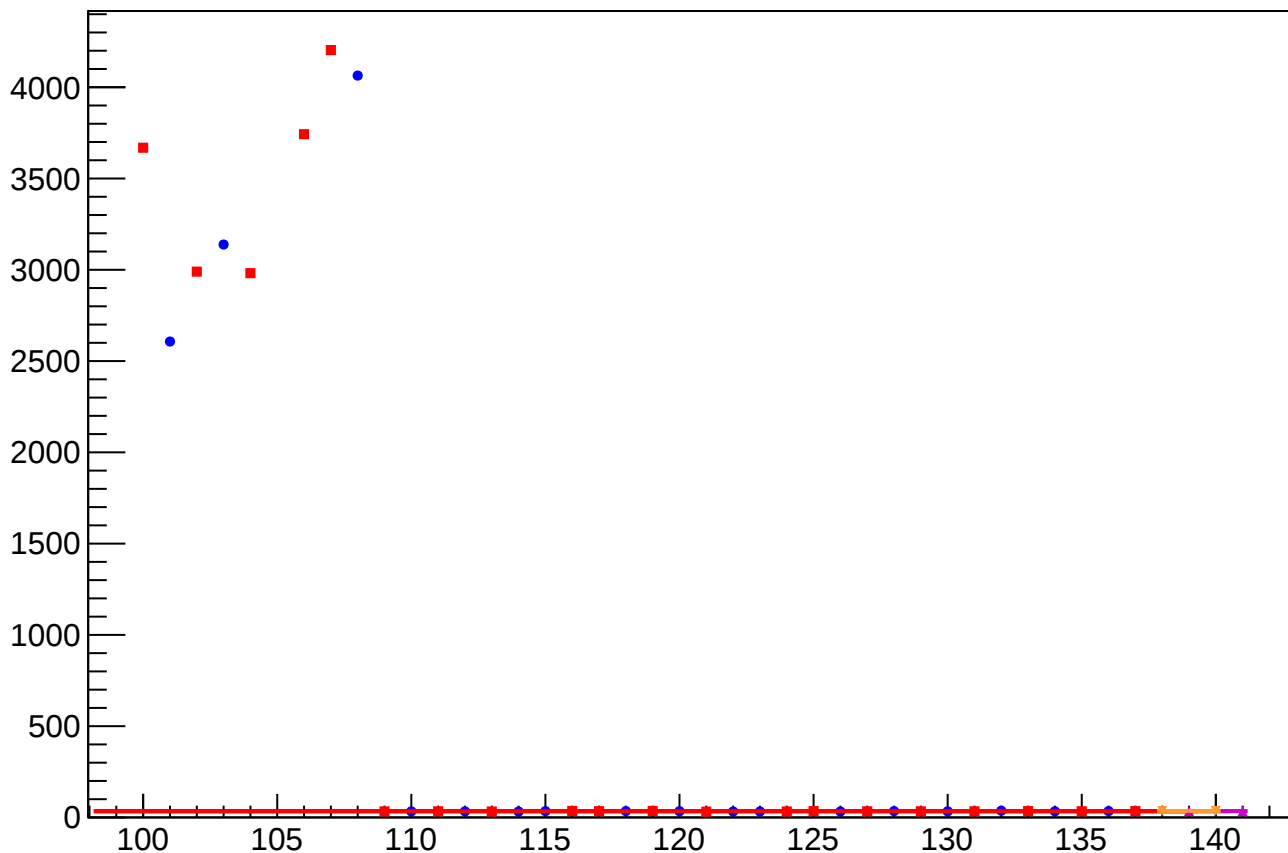
Right Out: -11.101+/-14.886 χ^2 /NDF: 22.7/19

Left In: 7.990+/-28.335 χ^2 /NDF:0.3/1

-8.786+/-13.269 χ^2 /NDF: 27.3/18

-6.972+/-13.178 χ^2 /NDF: 23.4/21

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.137 $\pm$ 0.011 χ^2 /NDF: 3006248.0/16

Left Out: 35.565 $\pm$ 0.020 χ^2 /NDF:433.6/1

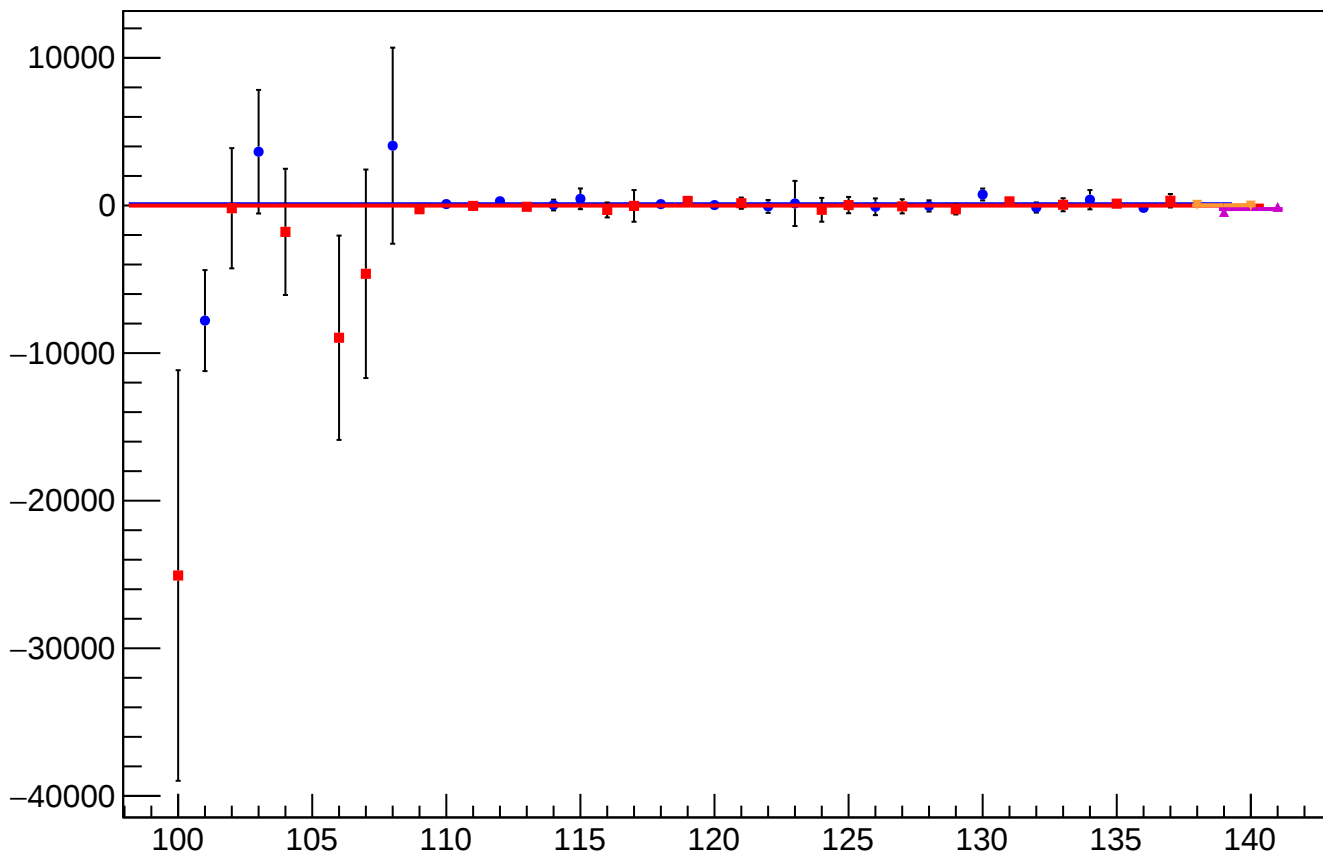
Right Out: 33.915 $\pm$ 0.011 χ^2 /NDF: 3451897.1/19

Left In: 34.945 $\pm$ 0.020 χ^2 /NDF:188.4/1

34.438 $\pm$ 0.009 χ^2 /NDF: 3010531.2/18

34.138 $\pm$ 0.009 χ^2 /NDF: 3454155.7/21

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 86.041 $\pm$ 87.947 χ^2 /NDF: 12.4/16

Left Out: 15.698 $\pm$ 184.497 χ^2 /NDF: 0.0/1

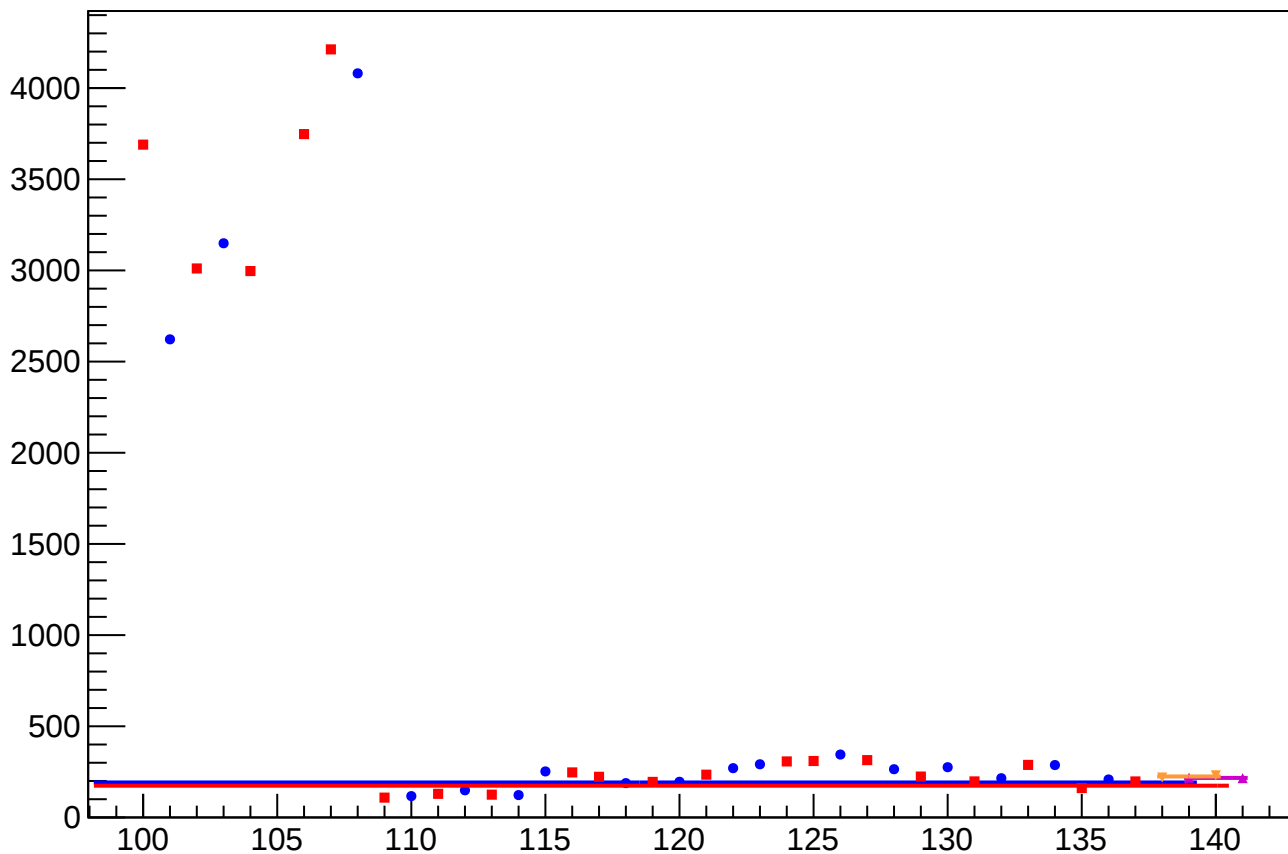
Right Out: -7.420 $\pm$ 80.977 χ^2 /NDF: 11.1/19

Left In: -241.584 $\pm$ 177.047 χ^2 /NDF: 0.9/1

73.016 $\pm$ 79.389 χ^2 /NDF: 12.5/18

-47.931 $\pm$ 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: 224.780+/-0.130 χ^2/NDF :2083.9/1

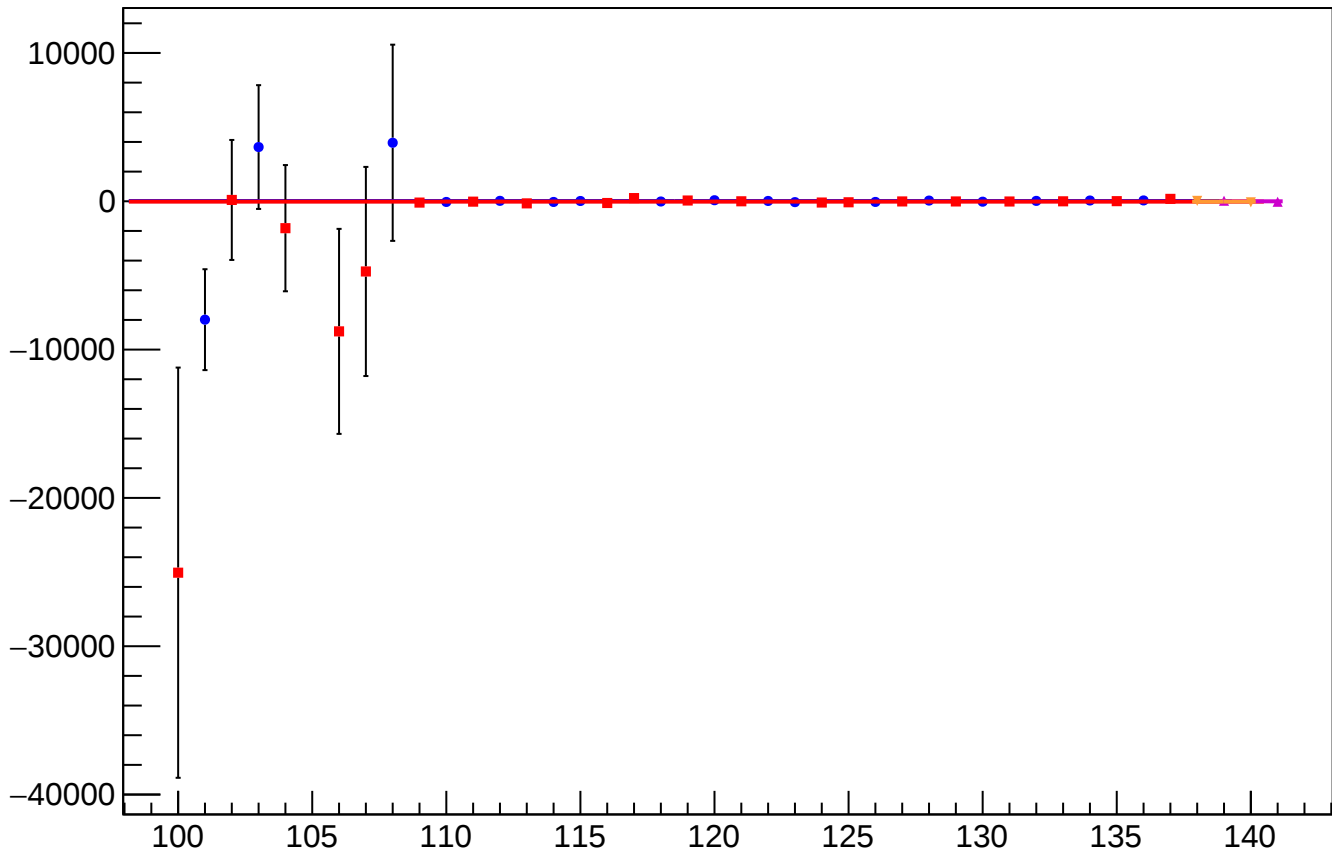
Right Out: 174.207+/-0.057 χ^2/NDF : 4215538.3/19

Left In: 216.823+/-0.125 χ^2/NDF :100.0/1

197.972+/-0.056 χ^2/NDF : 3626965.0/18

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: -22.940+/-26.002 χ^2/NDF : 3.6/1

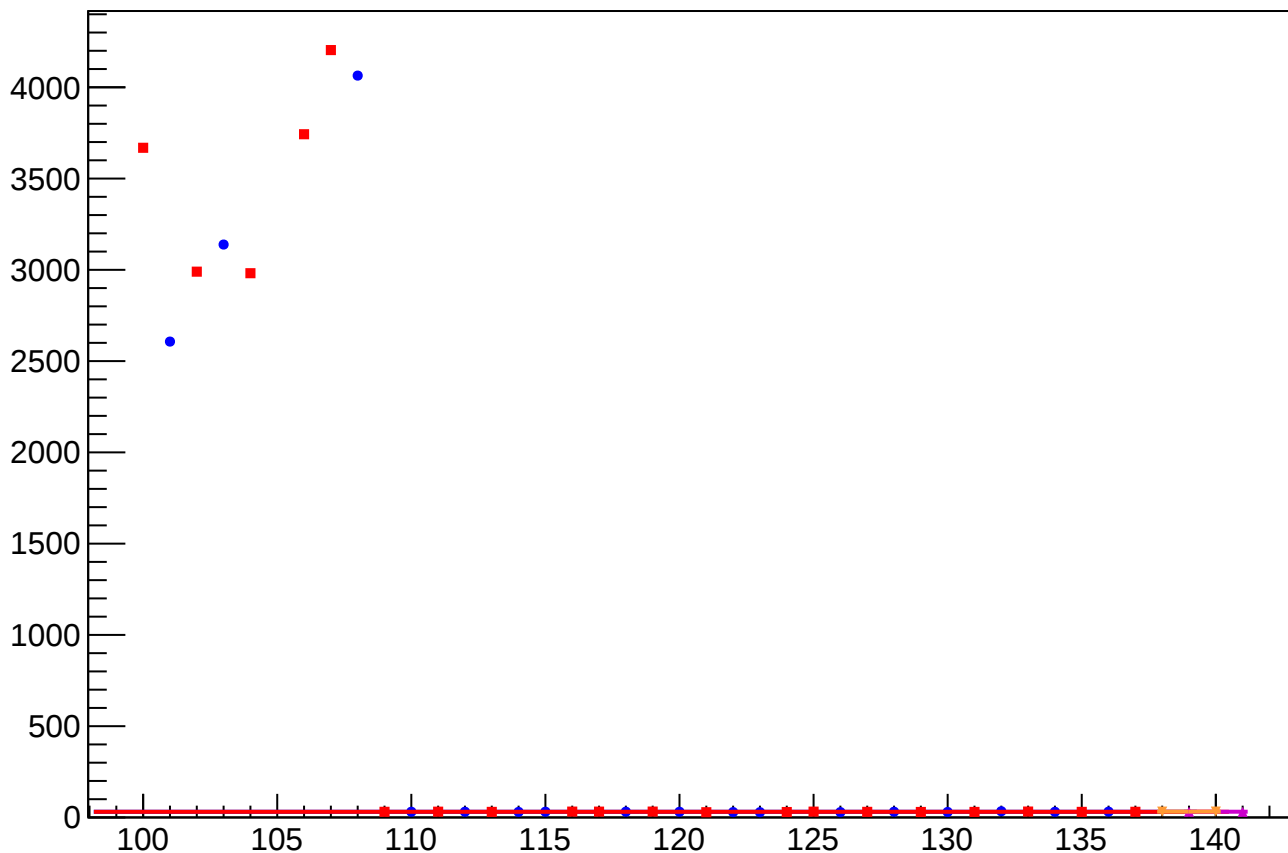
Right Out: -21.490+/-13.601 χ^2/NDF : 29.9/19

Left In: -1.835+/-25.471 χ^2/NDF : 1.8/1

6.144+/-12.064 χ^2/NDF : 20.4/18

-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: 31.980+/-0.018 χ^2/NDF : 49.7/1

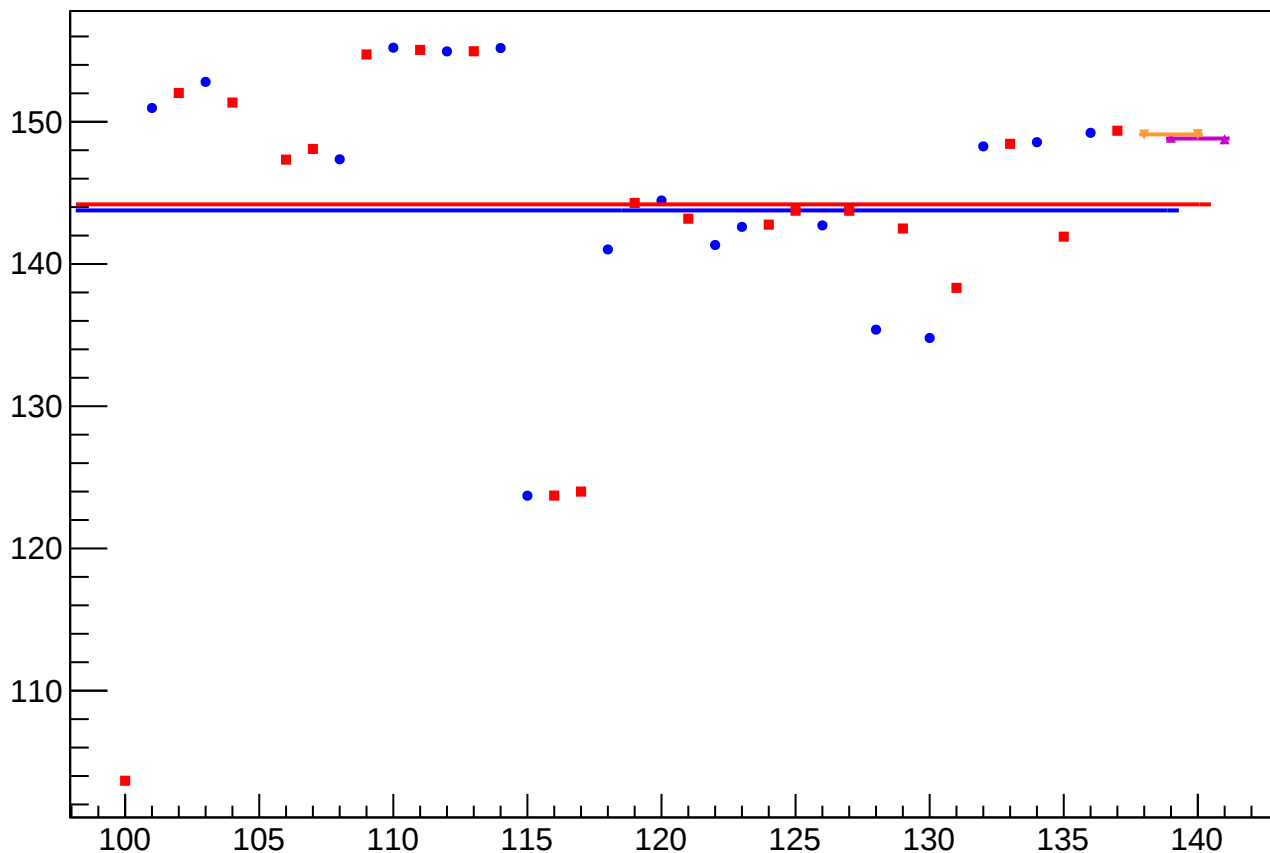
Right Out: 30.970+/-0.010 χ^2/NDF : 3459018.8/19

Left In: 31.406+/-0.018 χ^2/NDF : 268.8/1

31.310+/-0.009 χ^2/NDF : 3016164.5/18

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: 149.113+/-0.000 χ^2/NDF : 2944.9/1

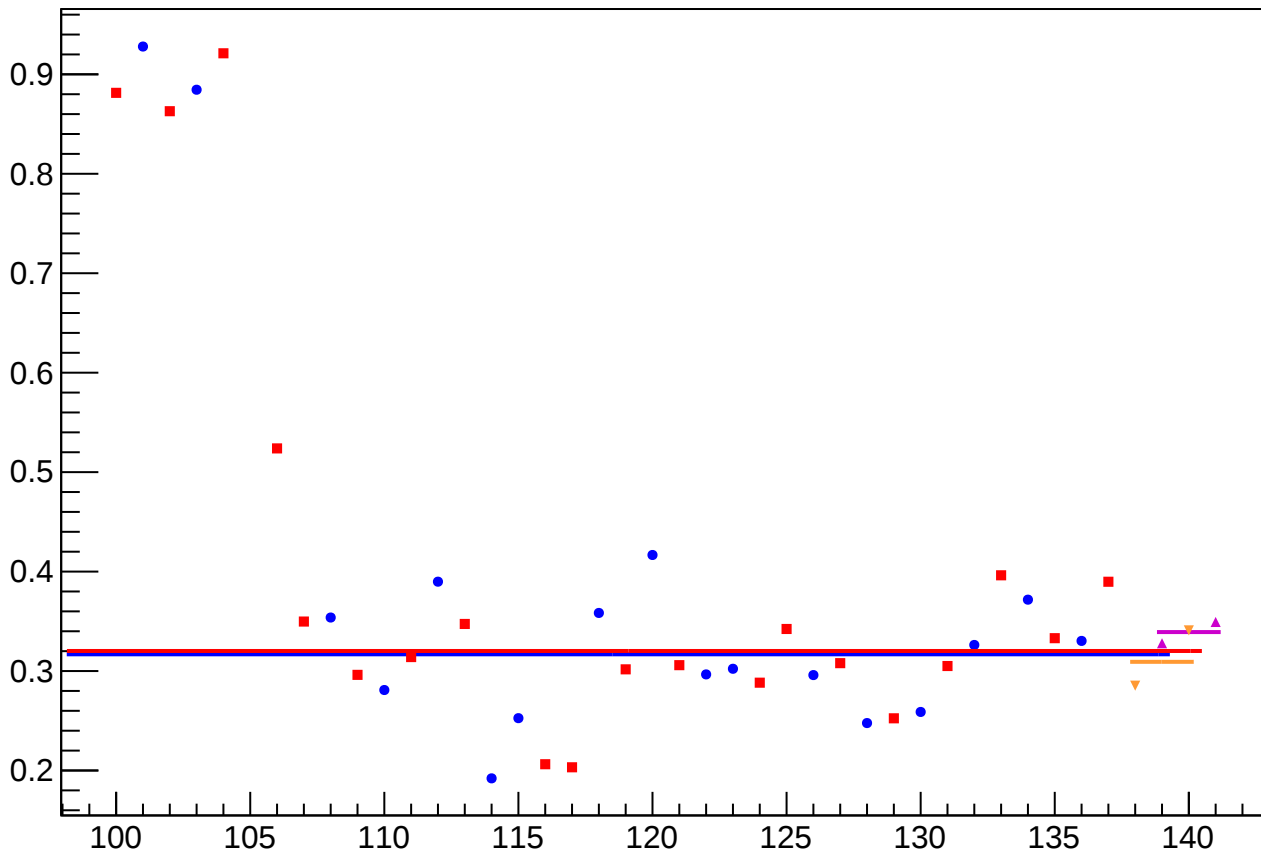
Right Out: 144.192+/-0.000 χ^2/NDF : 4524049993.1/19

Left In: 148.823+/-0.000 χ^2/NDF : 38080.7/1

144.926+/-0.000 χ^2/NDF : 3876479238.2/18

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: 0.309 ± 0.000 χ^2/NDF : 23330.4/1

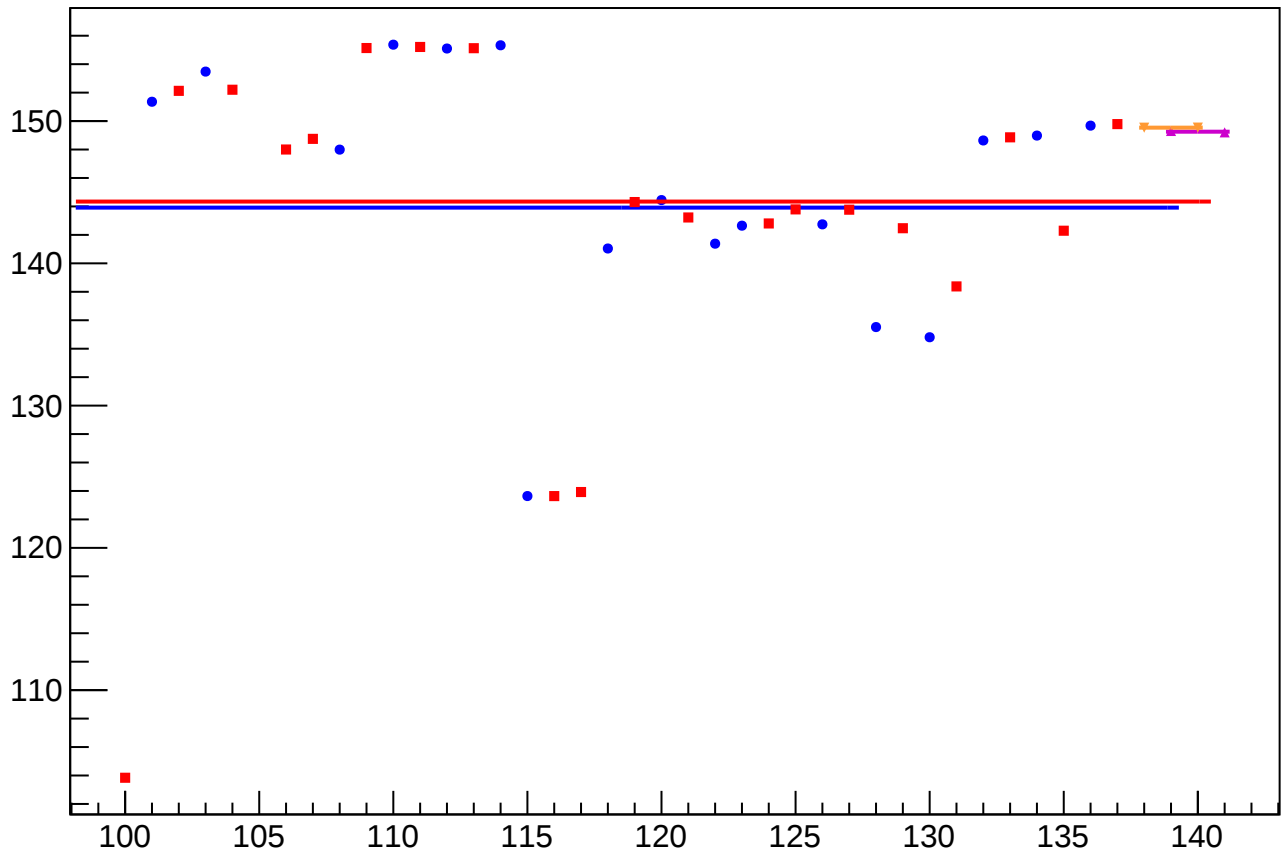
Right Out: 0.320 ± 0.000 χ^2/NDF : 1240600.2/19

Left In: 0.339 ± 0.000 χ^2/NDF : 2936.9/1

0.315 ± 0.000 χ^2/NDF : 1303319.6/18

0.324 ± 0.000 χ^2/NDF : 1251127.8/21

yield_bcm_an_ds3_mean vs Slug



Right In: 143.917+/-0.000 χ^2/NDF : 3584662767.5/16

Left Out: 149.538+/-0.000 χ^2/NDF :122.8/1

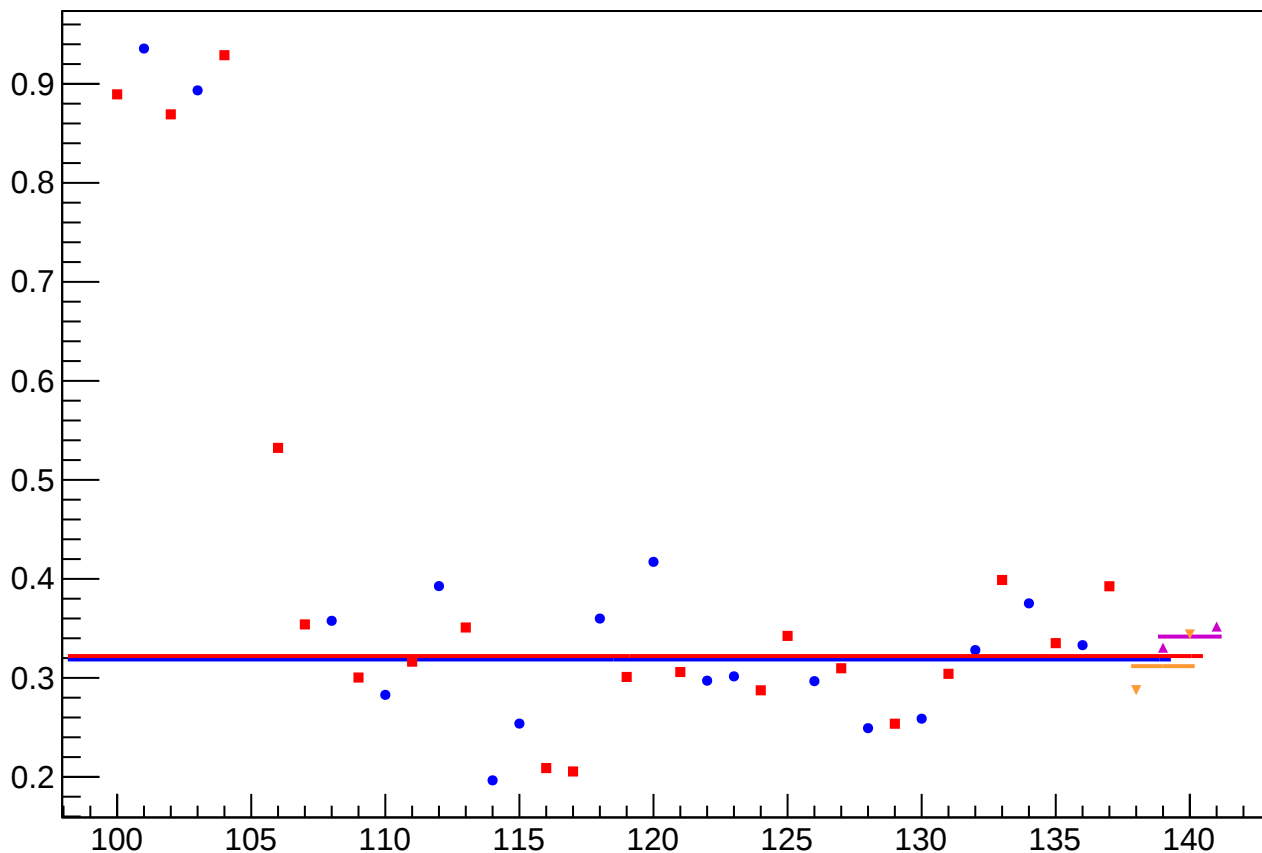
Right Out: 144.342+/-0.000 χ^2/NDF : 4551365931.0/19

Left In: 149.253+/-0.000 χ^2/NDF :30350.8/1

145.129+/-0.000 χ^2/NDF : 3959709606.6/18

145.238+/-0.000 χ^2/NDF : 4800950845.7/21

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 ± 0.000 χ^2/NDF : 1280748.9/16

Left Out: 0.312 ± 0.000 χ^2/NDF : 23555.8/1

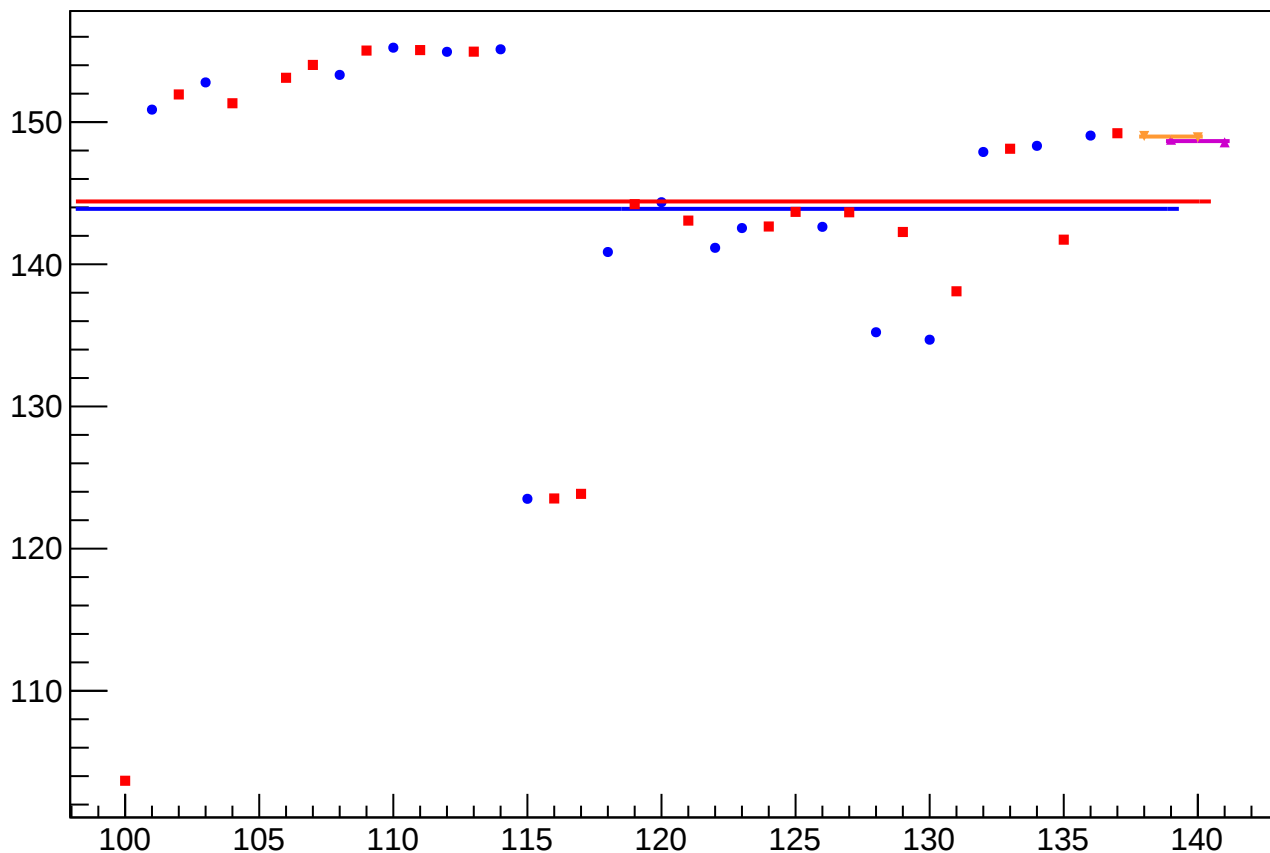
Right Out: 0.322 ± 0.000 χ^2/NDF : 1243109.0/19

Left In: 0.342 ± 0.000 χ^2/NDF : 2875.4/1

0.317 ± 0.000 χ^2/NDF : 1305386.7/18

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: 148.984+/-0.000 χ^2/NDF :34460.8/1

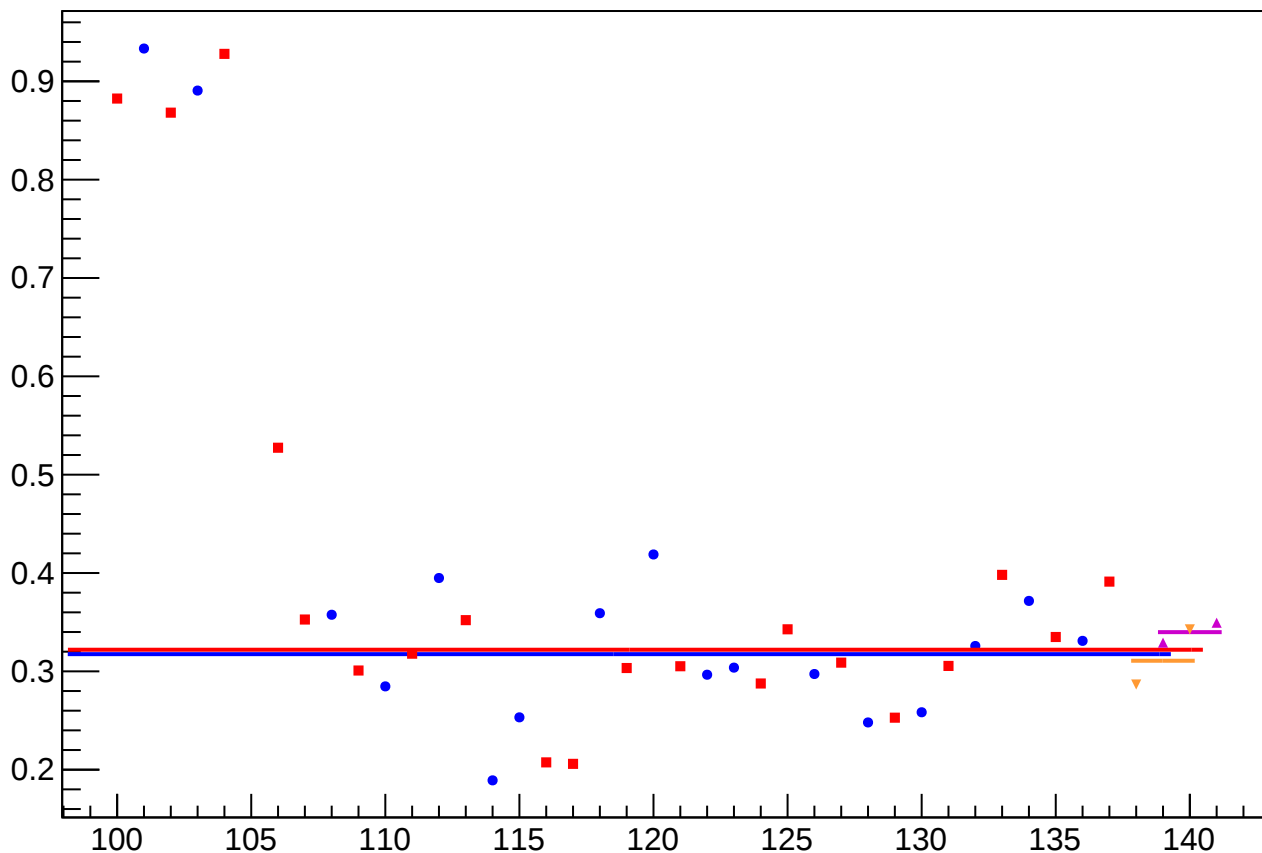
Right Out: 144.419+/-0.000 χ^2/NDF : 4820290476.6/19

Left In: 148.665+/-0.000 χ^2/NDF :109006.2/1

144.997+/-0.000 χ^2/NDF : 4058842590.7/18

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: 0.311 ± 0.000 χ^2/NDF : 23505.4/1

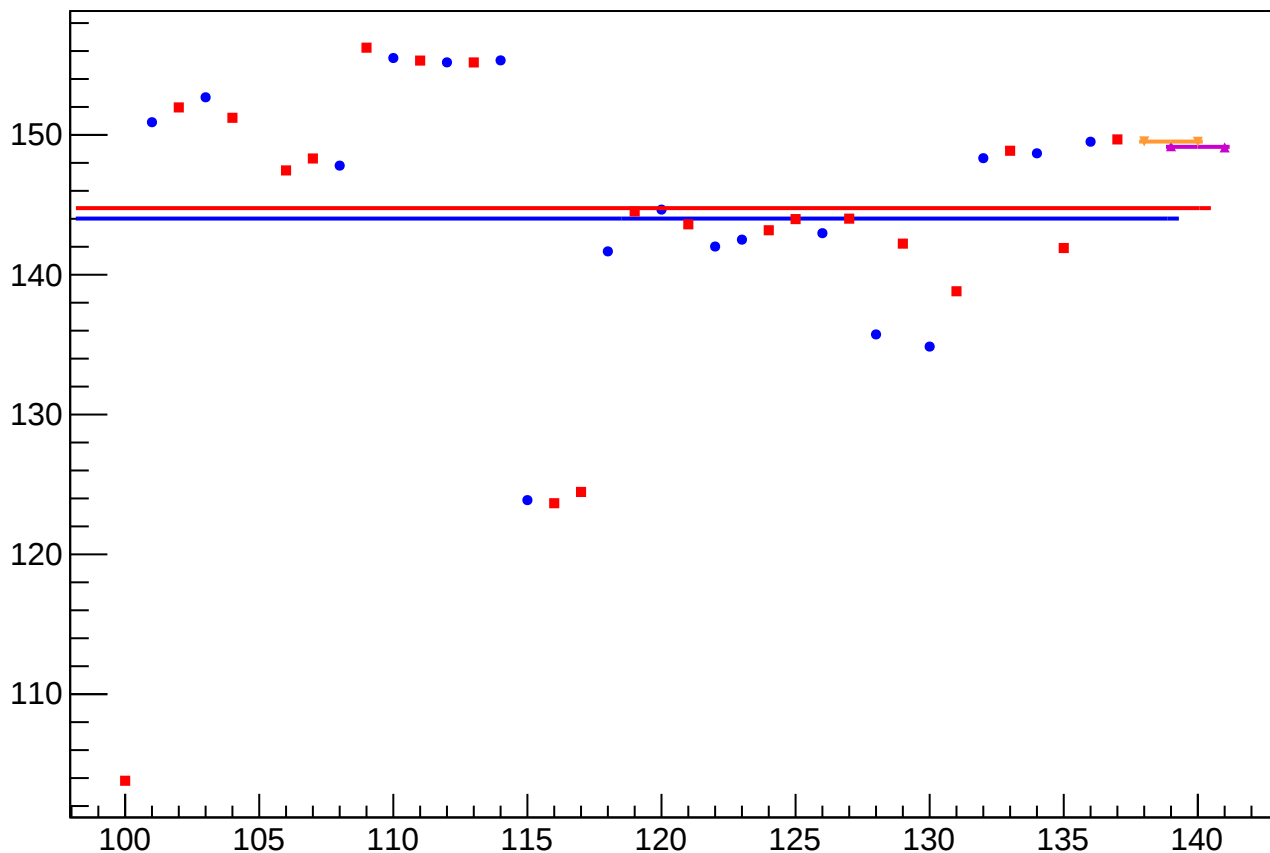
Right Out: 0.322 ± 0.000 χ^2/NDF : 1243703.4/19

Left In: 0.340 ± 0.000 χ^2/NDF : 2617.0/1

0.316 ± 0.000 χ^2/NDF : 1317758.8/18

0.325 ± 0.000 χ^2/NDF : 1252996.8/21

yield_bcm_dg_us_mean vs Slug



Right In: 144.018 $\pm$ 0.000 χ^2/NDF : 3238525527.6/16

Left Out: 149.525 $\pm$ 0.000 χ^2/NDF :2226.7/1

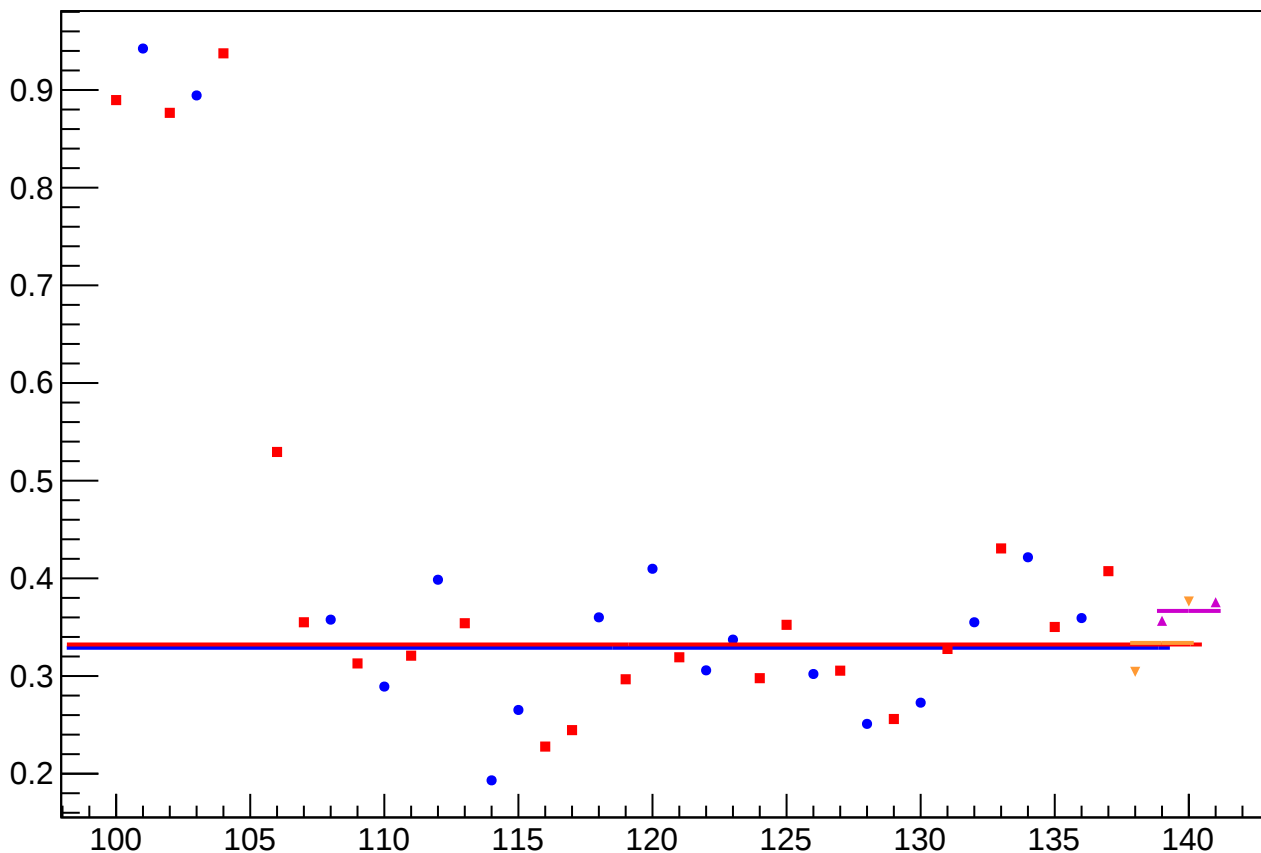
Right Out: 144.764 $\pm$ 0.000 χ^2/NDF : 4098462011.9/19

Left In: 149.147 $\pm$ 0.000 χ^2/NDF :18931.3/1

145.121 $\pm$ 0.000 χ^2/NDF : 3550813064.3/18

145.508 $\pm$ 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: 0.334+/-0.000 χ^2/NDF : 32312.7/1

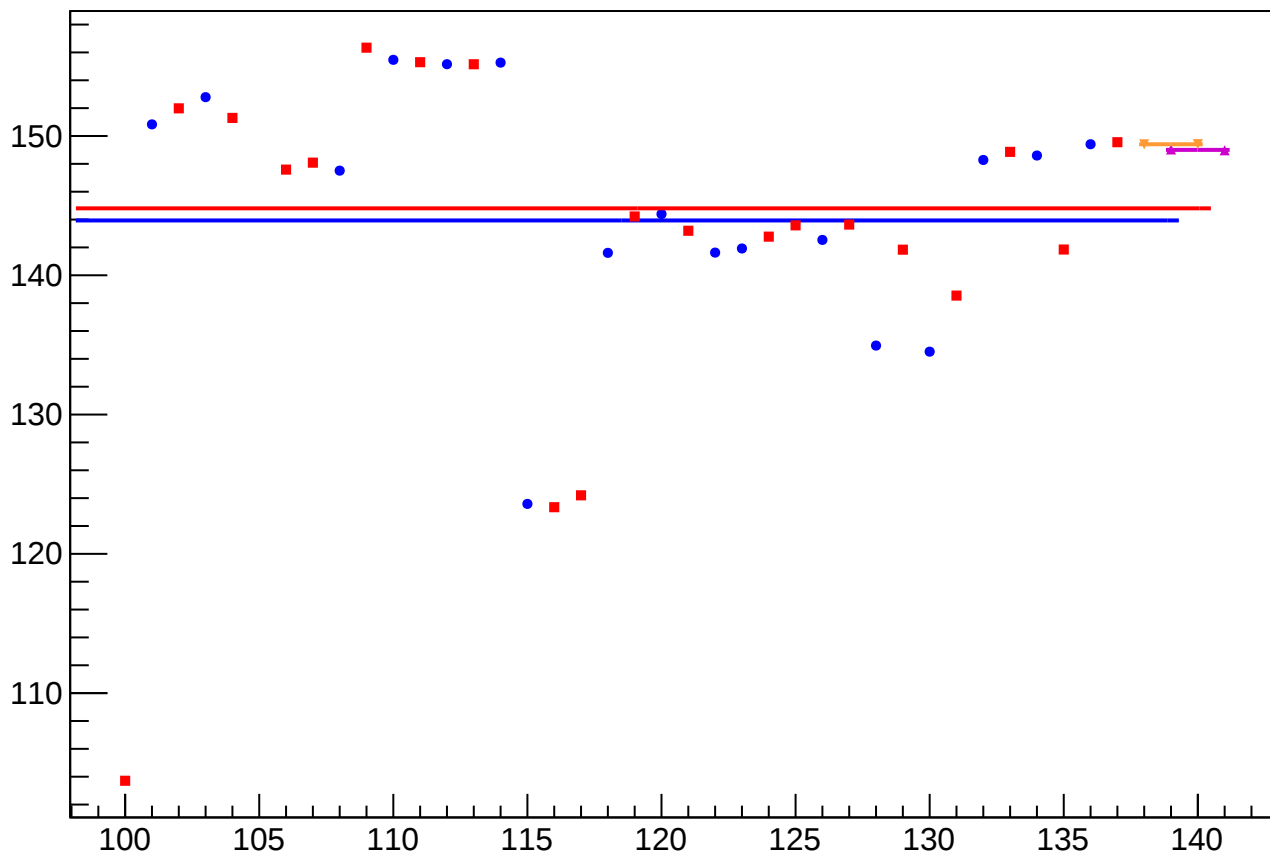
Right Out: 0.332+/-0.000 χ^2/NDF : 1191637.2/19

Left In: 0.367+/-0.000 χ^2/NDF : 1962.8/1

0.330+/-0.000 χ^2/NDF : 1308936.0/18

0.338+/-0.000 χ^2/NDF : 1215000.6/21

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 ± 0.000 χ^2/NDF : 3379203532.9/16

Left Out: 149.406 ± 0.000 χ^2/NDF : 524.7/1

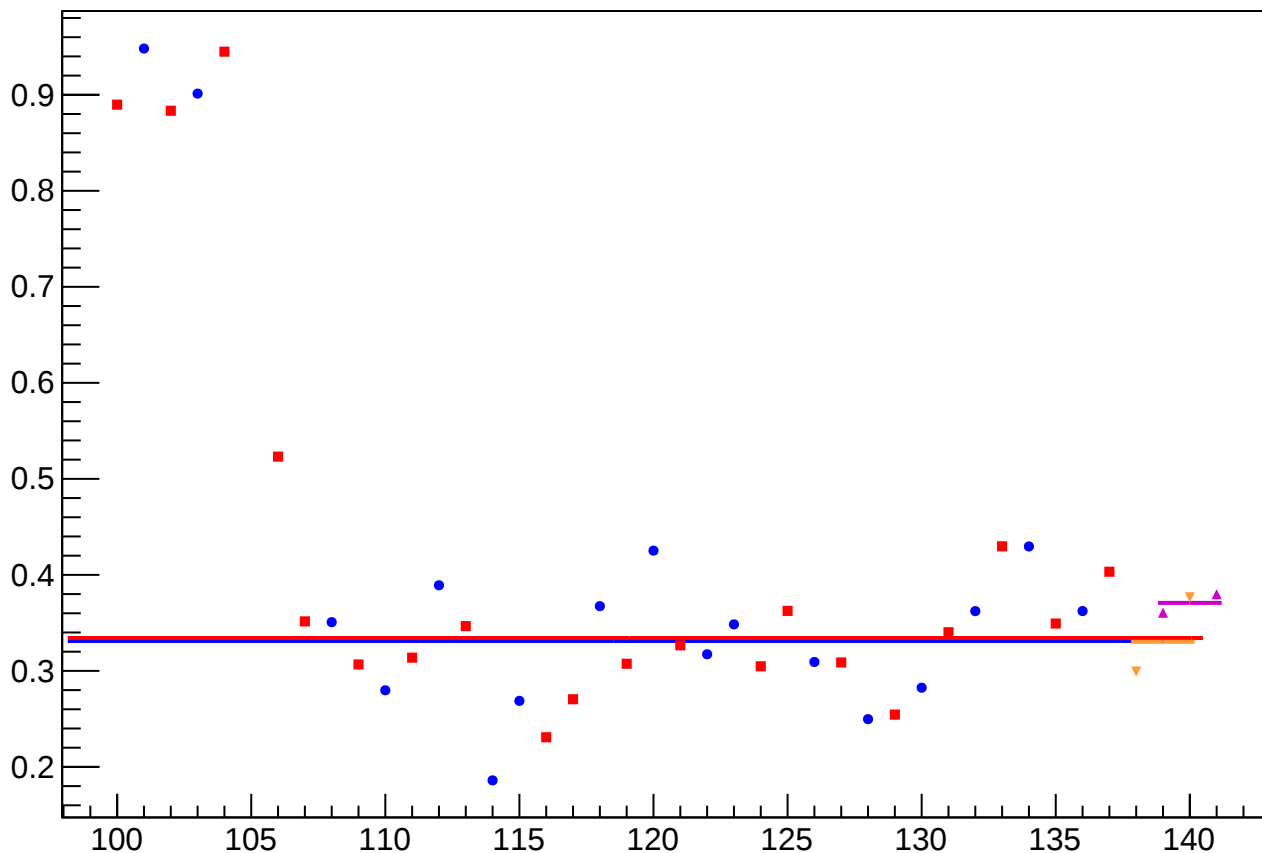
Right Out: 144.806 ± 0.000 χ^2/NDF : 4139087143.3/19

Left In: 149.002 ± 0.000 χ^2/NDF : 9905.0/1

145.058 ± 0.000 χ^2/NDF : 3688797547.0/18

145.510 ± 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 : 37434.3/1

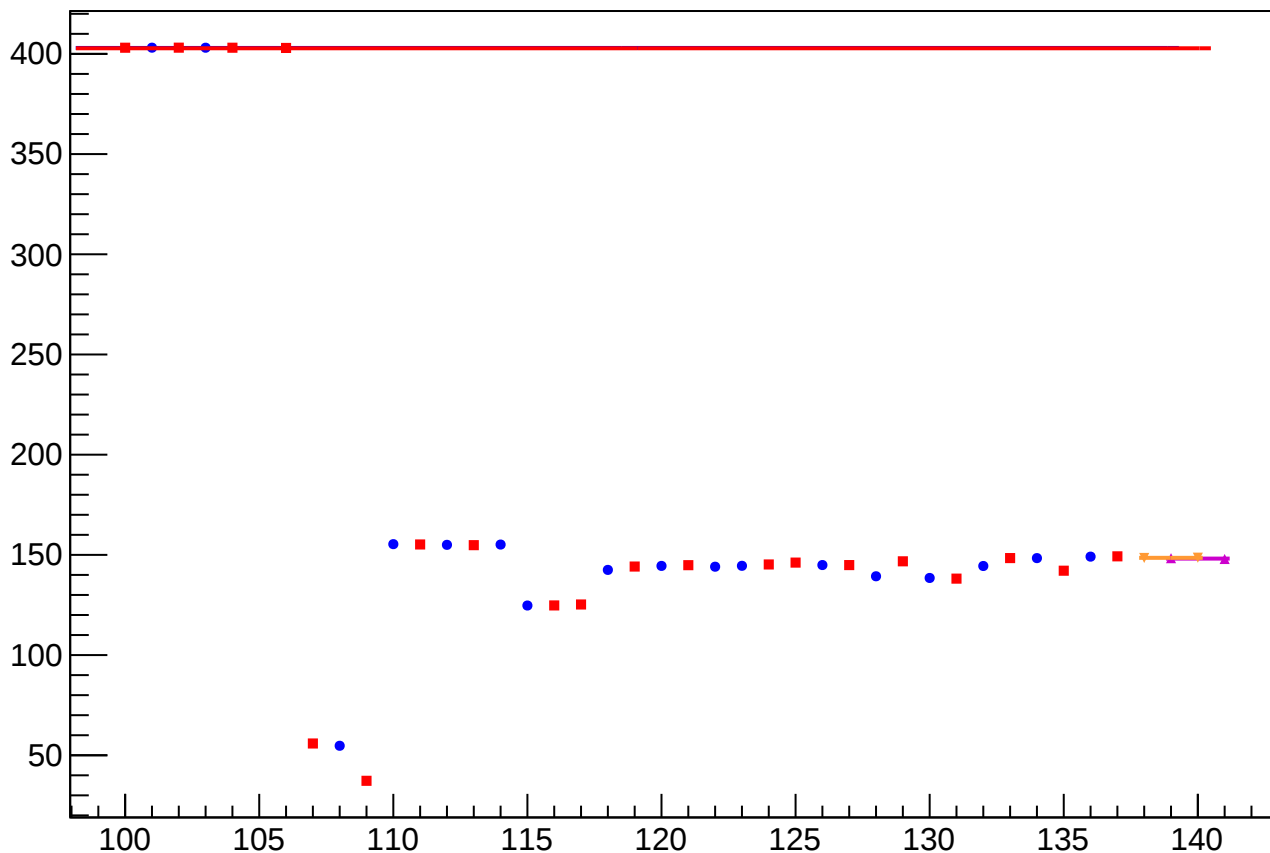
Right Out: 0.334+/-0.000 χ^2/NDF : 1176170.4/19

Left In: 0.371+/-0.000 χ^2/NDF : 1951.5/1

0.331+/-0.000 χ^2/NDF : 1333198.6/18

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: 148.523+/-0.001 χ^2/NDF :12919.6/1

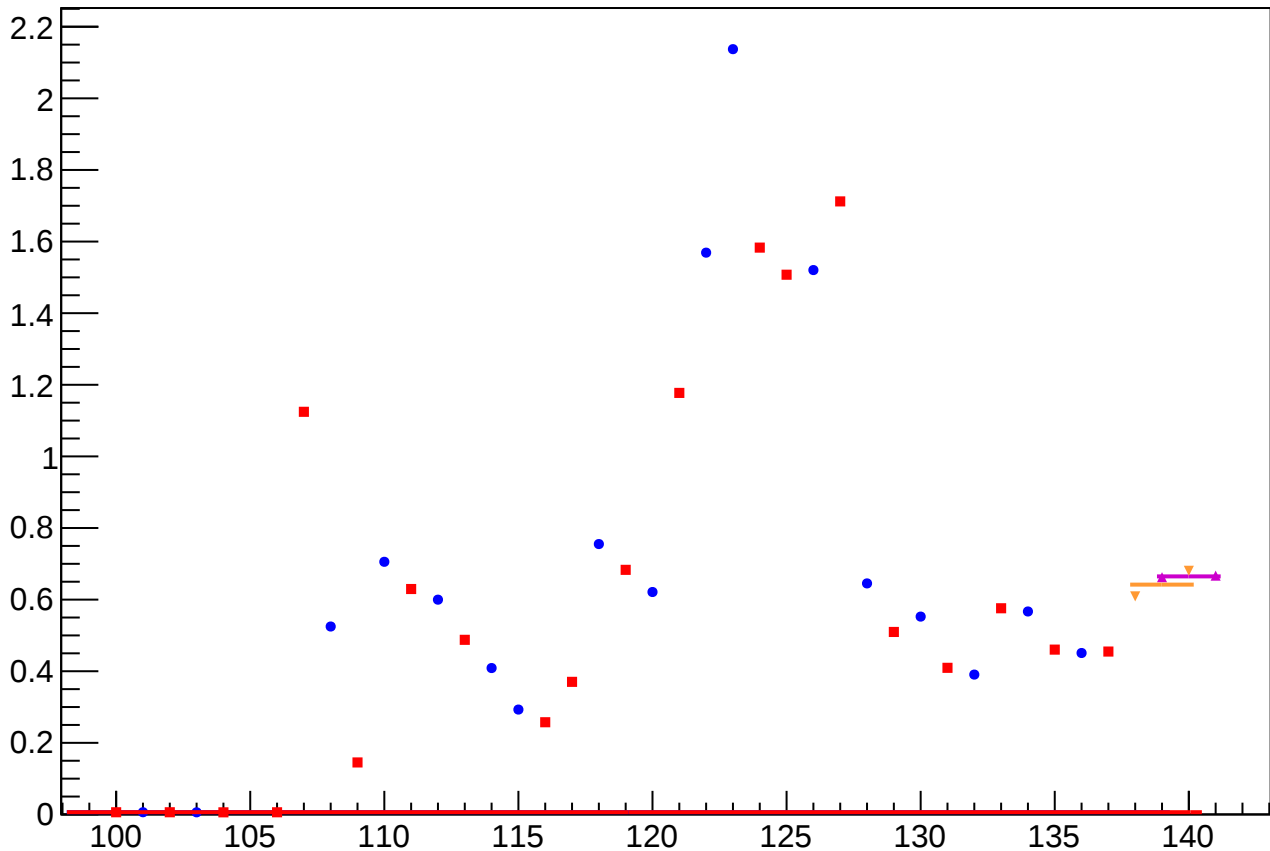
Right Out: 402.797+/-0.000 χ^2/NDF : 3122752044607.2/19

Left In: 148.145+/-0.001 χ^2/NDF :113756.6/1

402.932+/-0.000 χ^2/NDF : 1293884526737.2/18

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: 0.642+/-0.000 χ^2/NDF : 7722.3/1

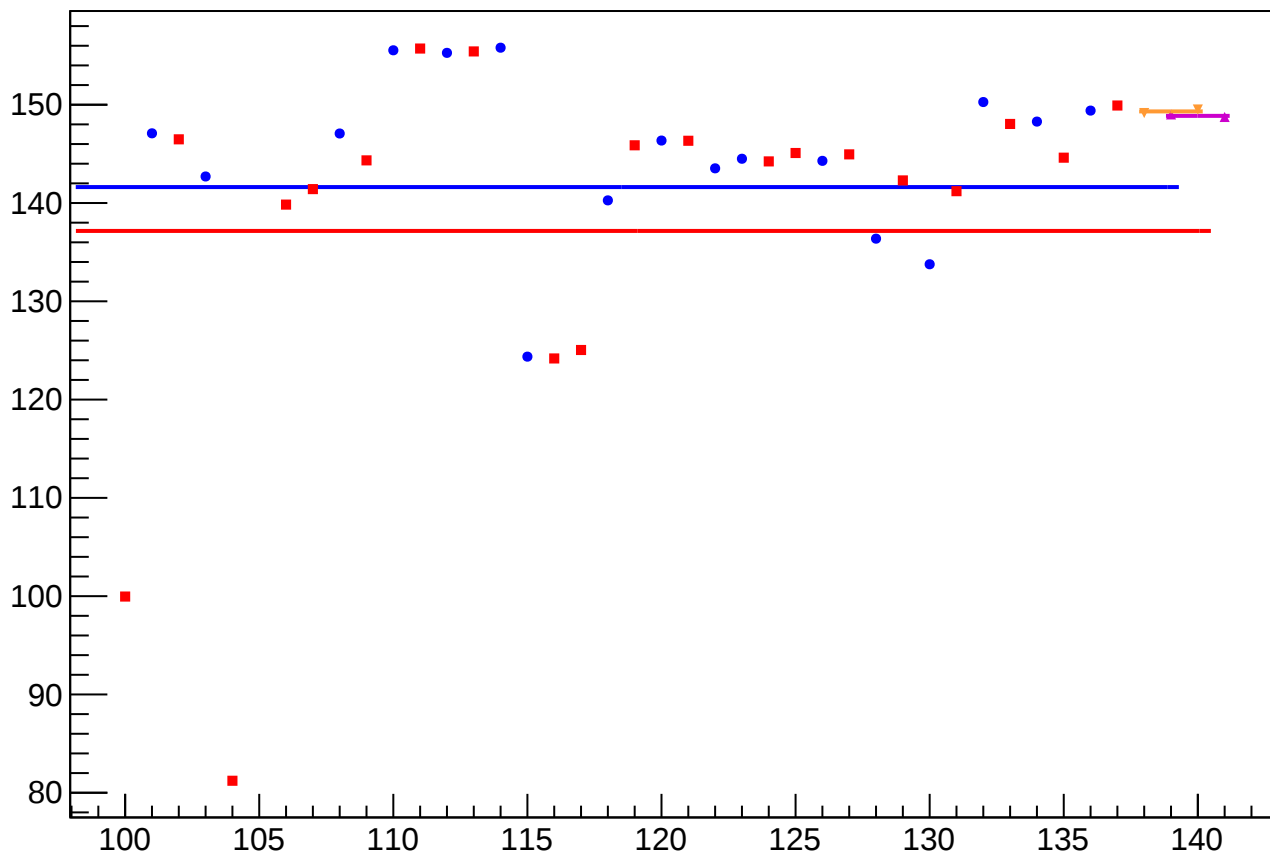
Right Out: 0.006+/-0.000 χ^2/NDF : 9277290.2/19

Left In: 0.665+/-0.000 χ^2/NDF : 27.0/1

0.006+/-0.000 χ^2/NDF : 11629433.2/18

0.006+/-0.000 χ^2/NDF : 11698659.9/21

yield_cav4cQ_mean vs Slug



Right In: 141.622+/-0.000 χ^2/NDF : 982037737.7/16

Left Out: 149.320+/-0.001 χ^2/NDF : 84559.1/1

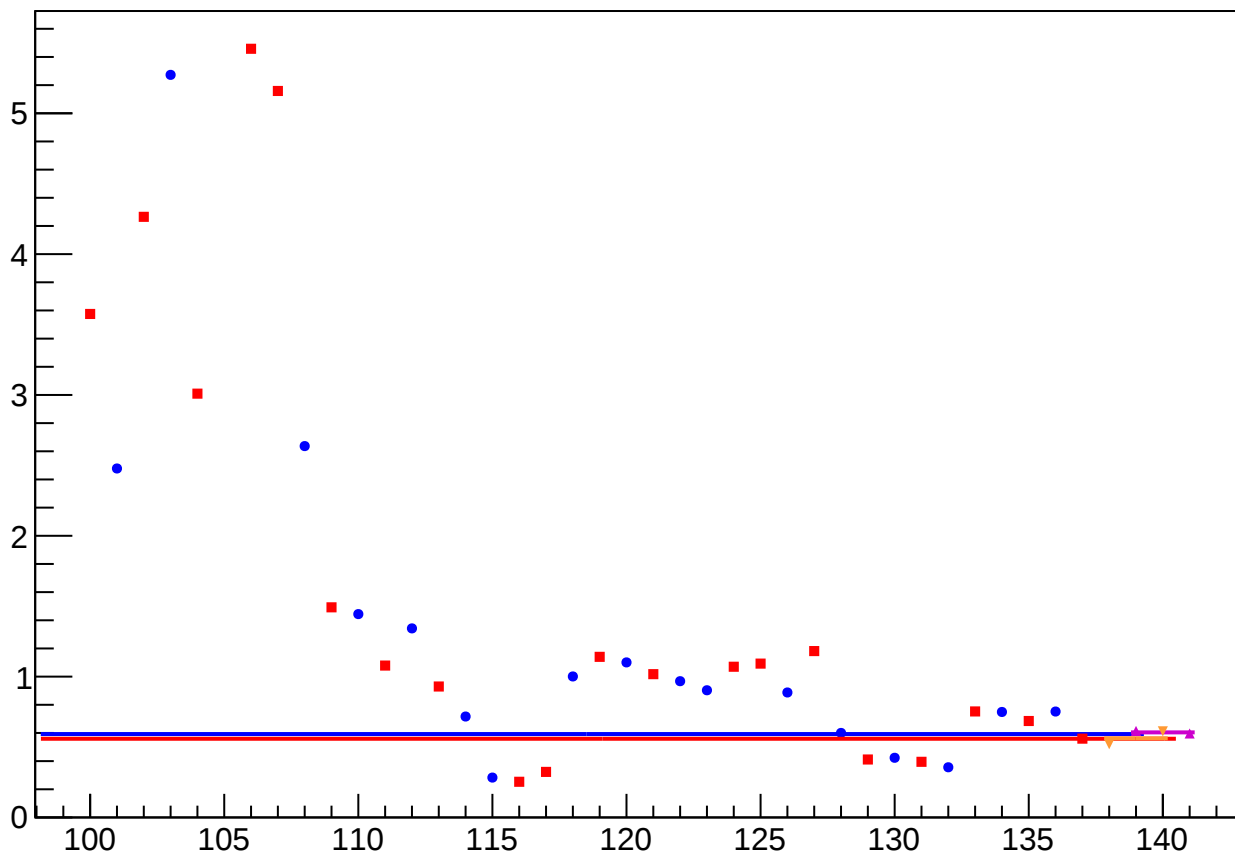
Right Out: 137.160+/-0.000 χ^2/NDF : 1365742338.8/19

Left In: 148.867+/-0.001 χ^2/NDF : 40781.3/1

143.209+/-0.000 χ^2/NDF : 1105708294.9/18

139.303+/-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: 0.562+/-0.000 χ^2/NDF :10946.3/1

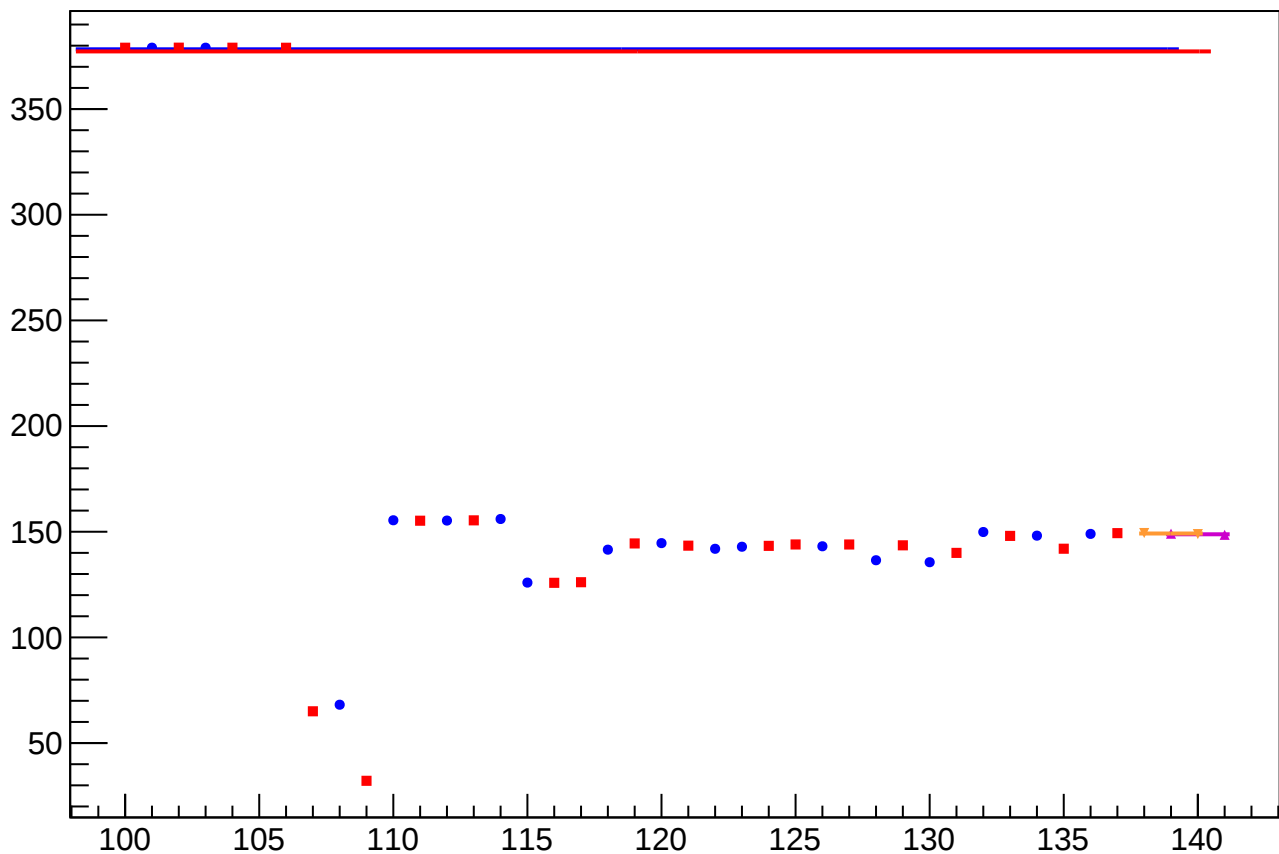
Right Out: 0.559+/-0.000 χ^2/NDF : 4719868.1/19

Left In: 0.604+/-0.000 χ^2/NDF :393.6/1

0.586+/-0.000 χ^2/NDF : 3536376.1/18

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: 149.164+/-0.000 χ^2/NDF : 726115.5/1

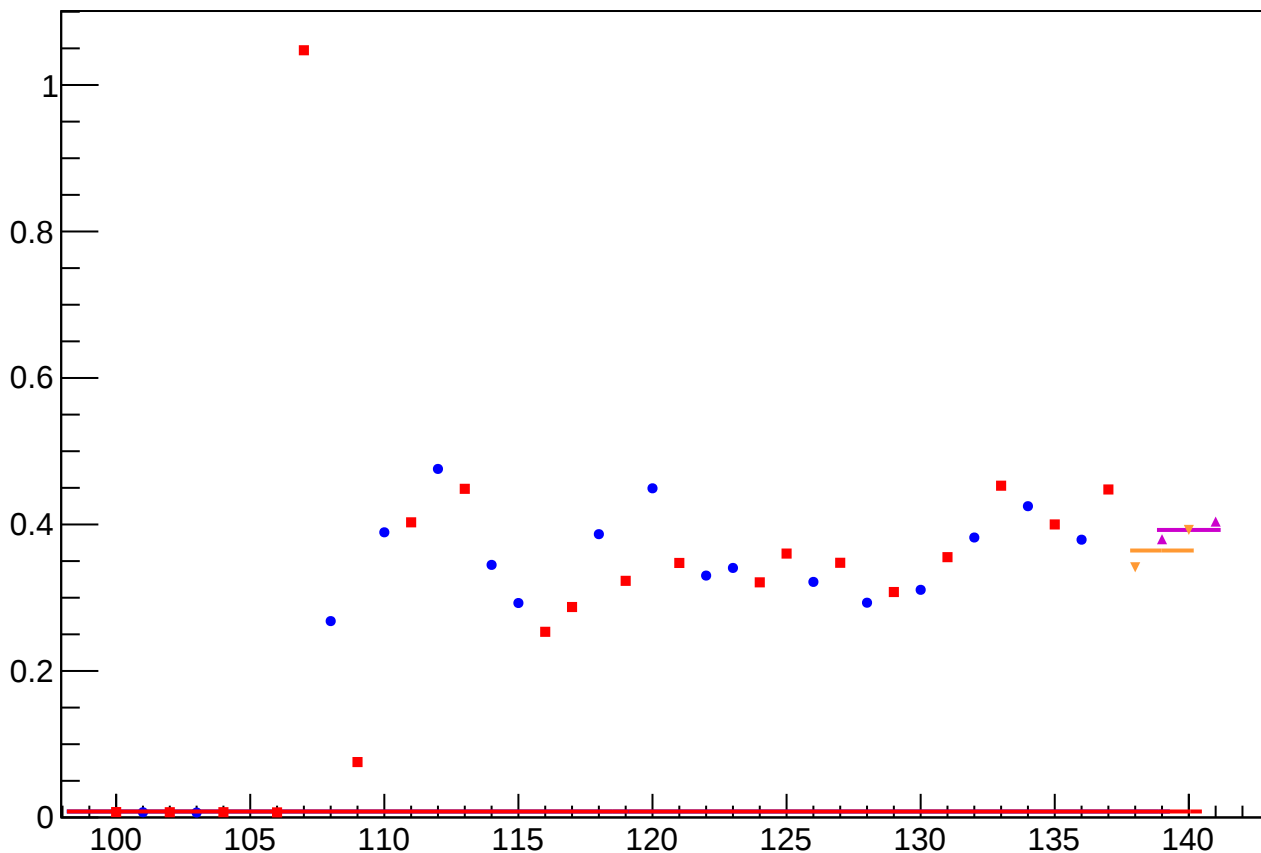
Right Out: 377.282+/-0.000 χ^2/NDF : 8306405788315.4/19

Left In: 148.797+/-0.000 χ^2/NDF : 672230.1/1

378.089+/-0.000 χ^2/NDF : 3099978151894.6/18

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: 0.364+/-0.000 χ^2/NDF :14438.6/1

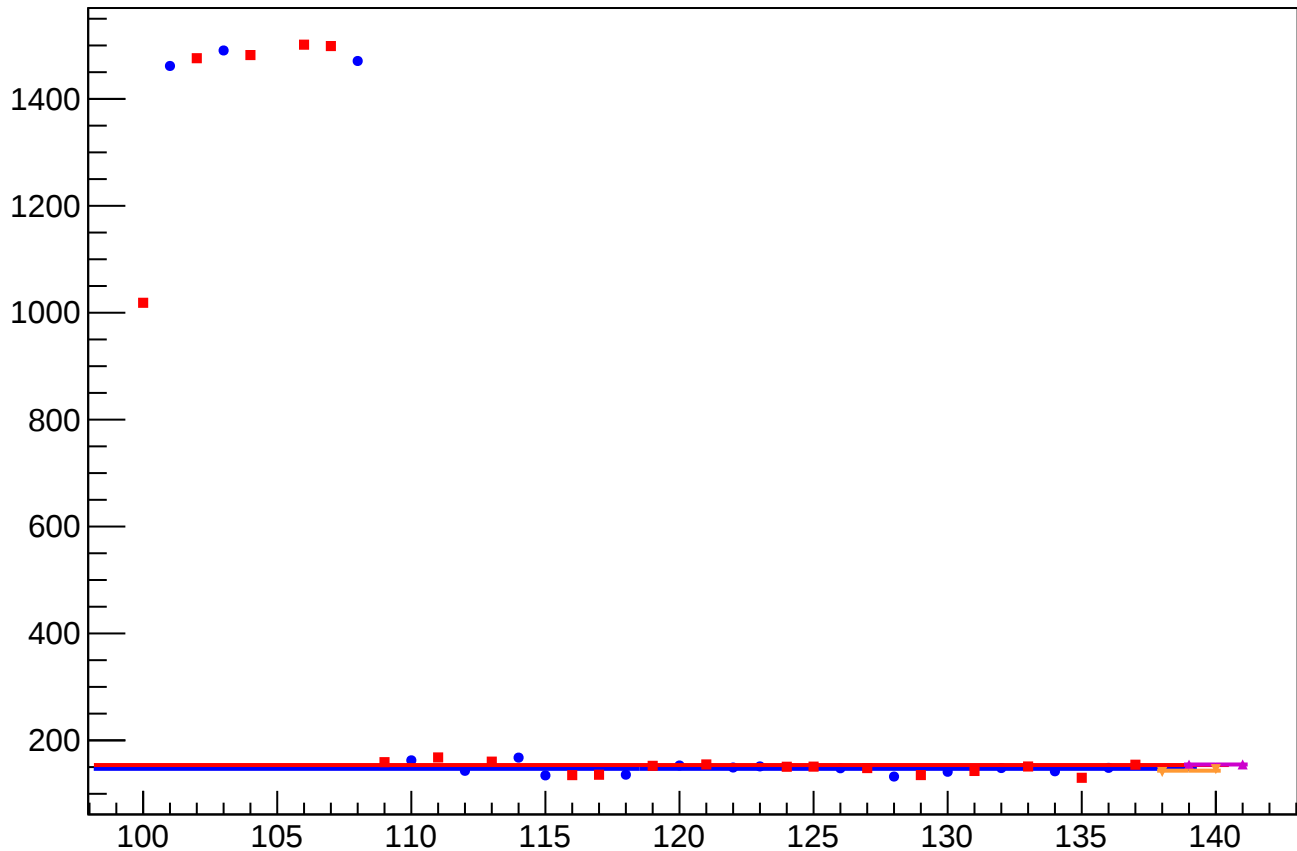
Right Out: 0.008+/-0.000 χ^2/NDF : 9601959.4/19

Left In: 0.393+/-0.000 χ^2/NDF :2770.0/1

0.008+/-0.000 χ^2/NDF : 12743136.2/18

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: 143.284+/-0.001 χ^2/NDF : 10134840.0/1

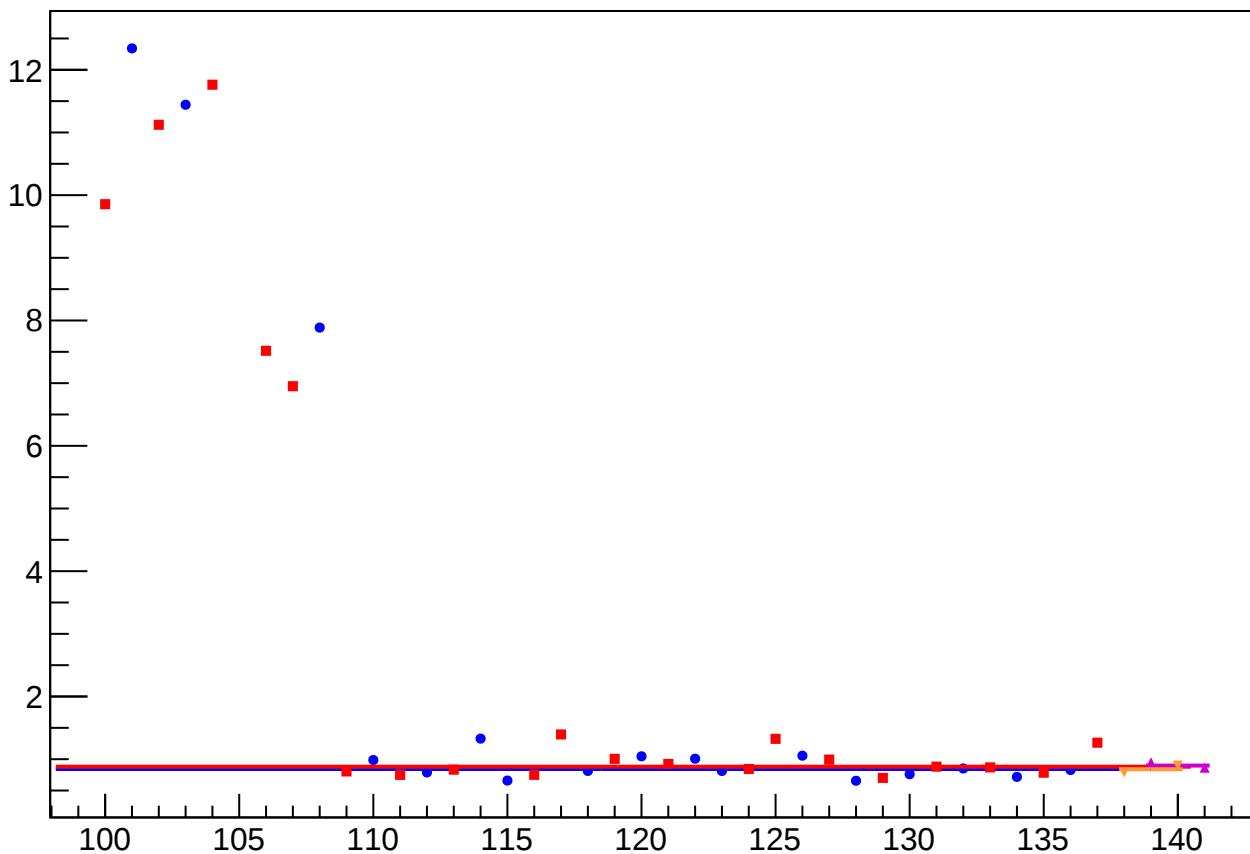
Right Out: 153.818+/-0.000 χ^2/NDF : 33744777744.4/19

Left In: 154.844+/-0.001 χ^2/NDF : 54469.4/1

145.999+/-0.000 χ^2/NDF : 24374336539.7/18

154.025+/-0.000 χ^2/NDF : 33745962684.1/21

yield_bcm0l02_rms vs Slug



Right In: 0.844 $\pm$ 0.000 χ^2 /NDF: 2670470.7/16

Left Out: 0.840 $\pm$ 0.001 χ^2 /NDF: 8451.9/1

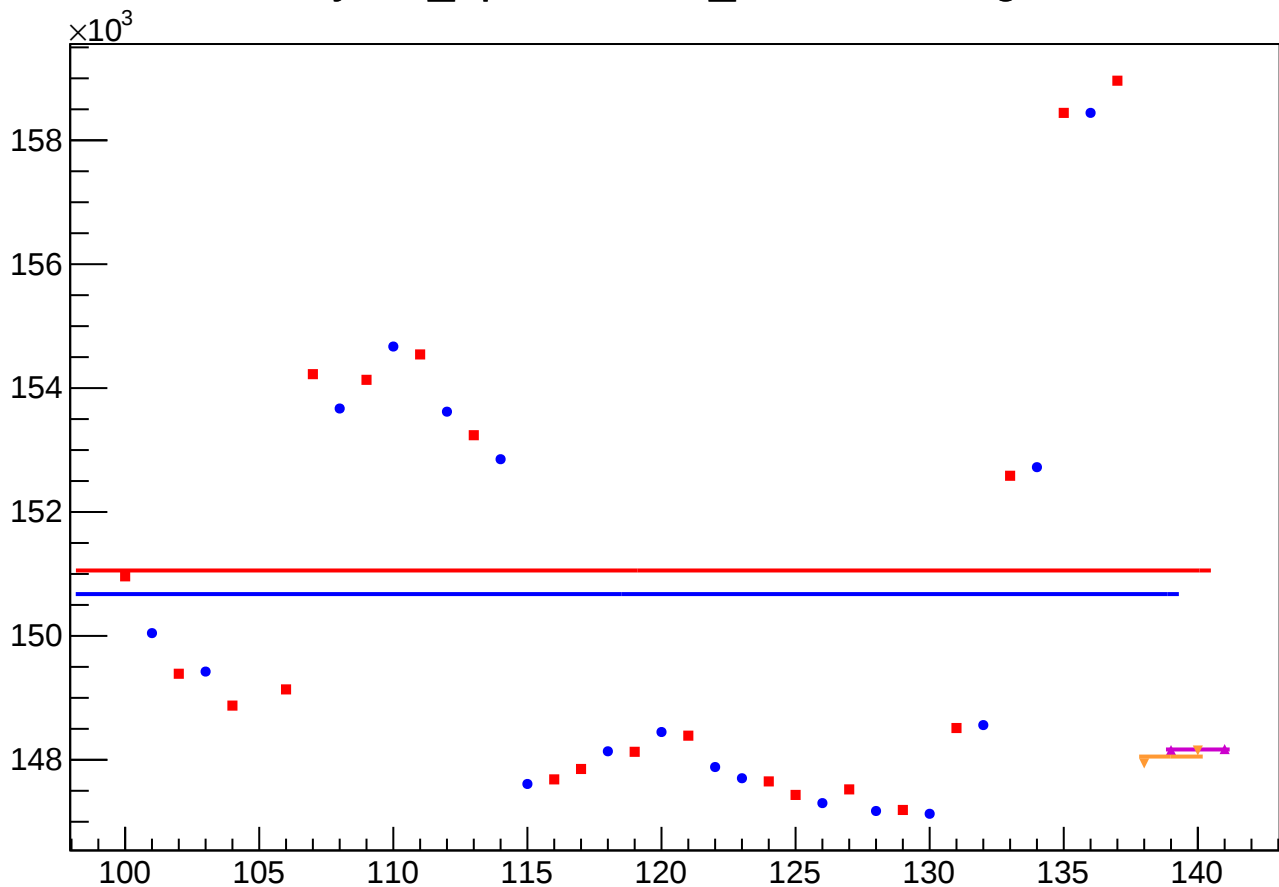
Right Out: 0.880 $\pm$ 0.000 χ^2 /NDF: 2823230.1/19

Left In: 0.898 $\pm$ 0.001 χ^2 /NDF: 4697.0/1

0.843 $\pm$ 0.000 χ^2 /NDF: 2678951.2/18

0.884 $\pm$ 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: 148052.475 $\pm$ 0.145 χ^2 /NDF: 519043.2/1

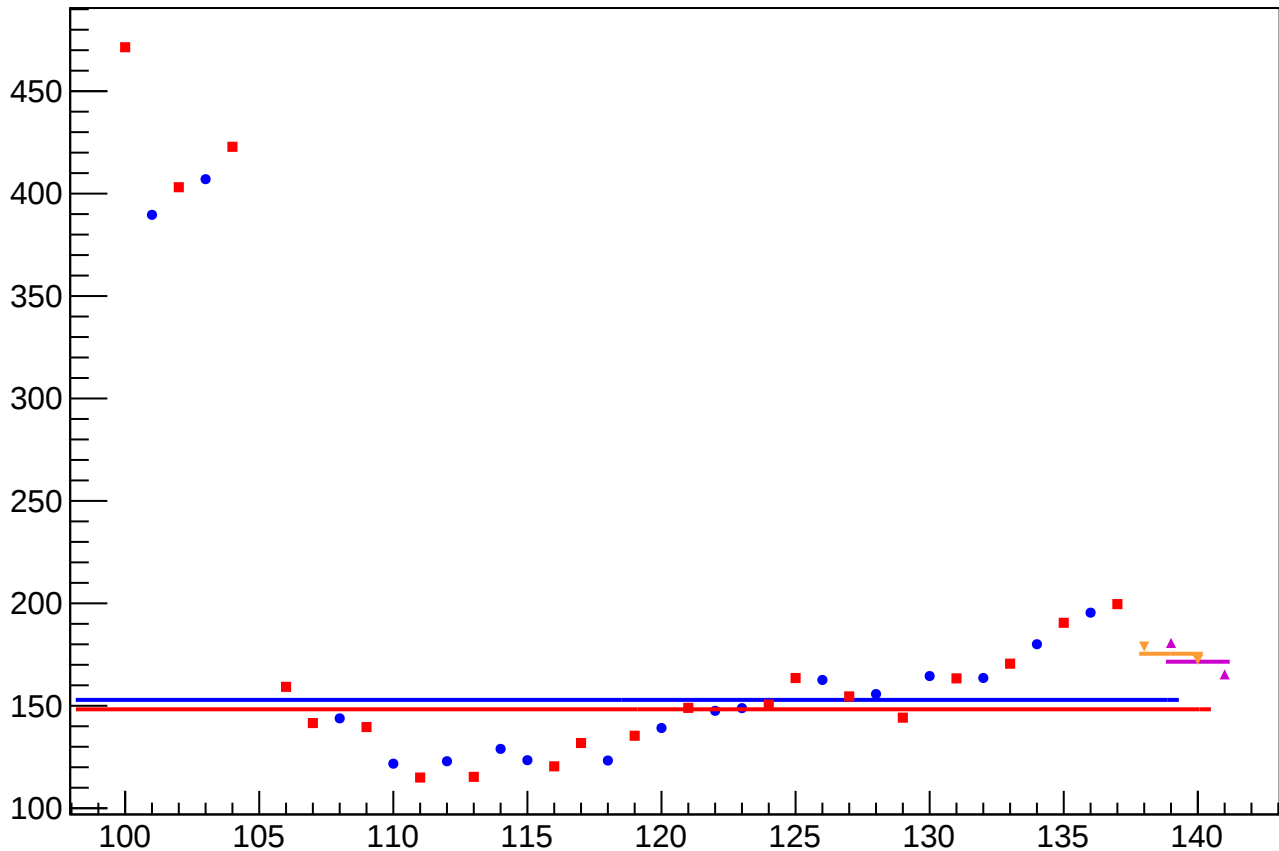
Right Out: 151056.044 $\pm$ 0.059 χ^2 /NDF: 3325519080.9/19

Left In: 148166.800 $\pm$ 0.140 χ^2 /NDF: 3205.2/1

150256.625 $\pm$ 0.058 χ^2 /NDF: 3587293633.9/18

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: 175.406+/-0.102 χ^2/NDF :1021.2/1

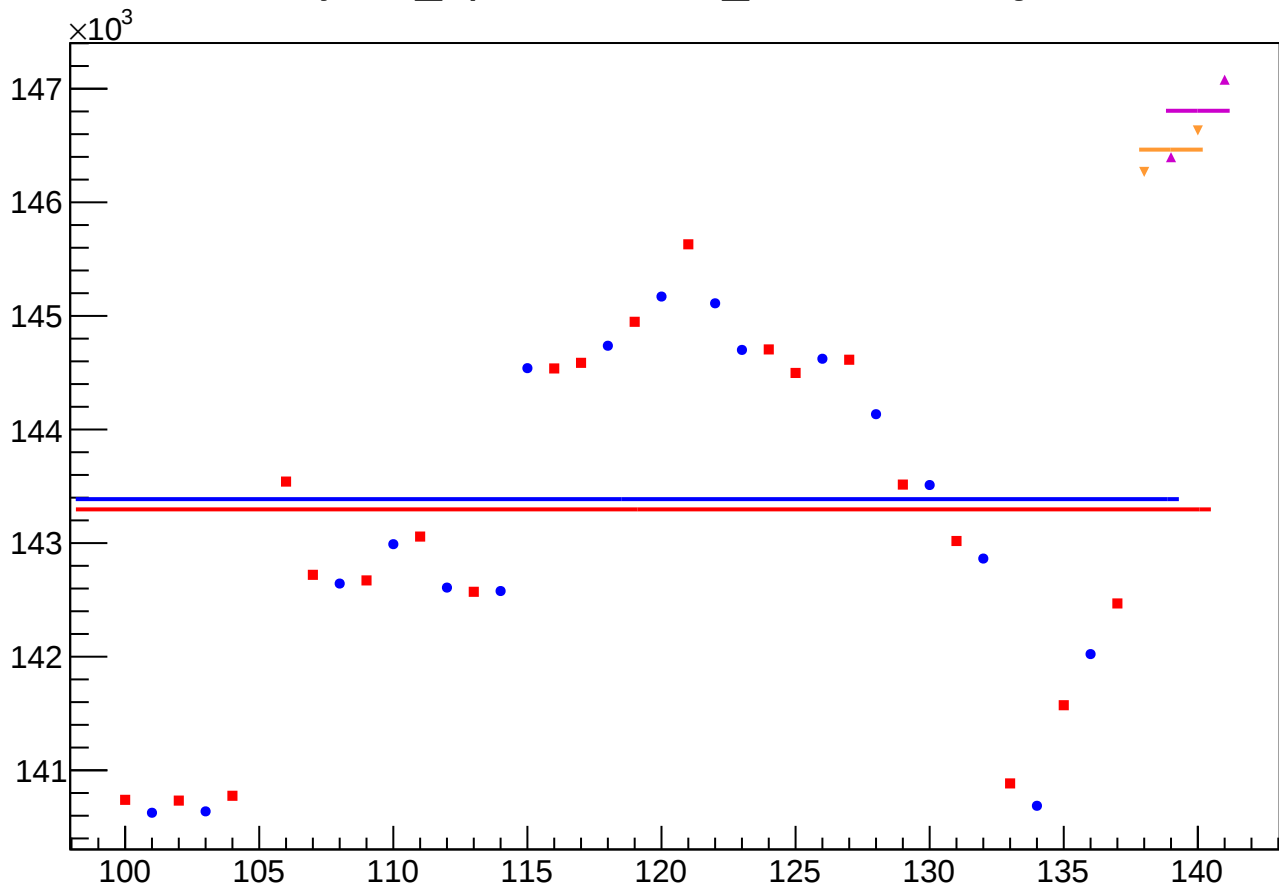
Right Out: 148.278+/-0.042 χ^2/NDF : 1192879.8/19

Left In: 171.514+/-0.099 χ^2/NDF :5815.2/1

156.476+/-0.041 χ^2/NDF : 1195942.3/18

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: 146463.905 $\pm$ 0.144 χ^2 /NDF: 1608035.1/1

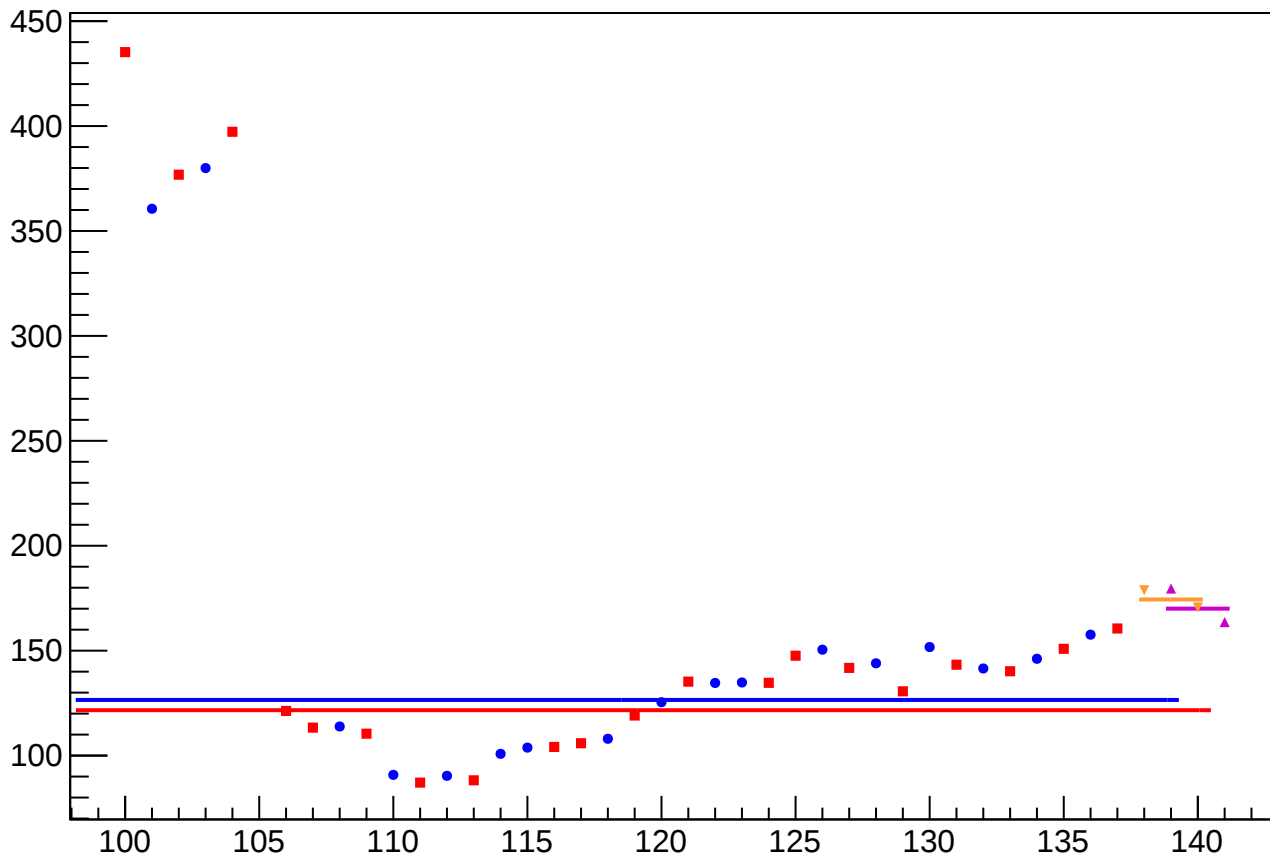
143752.479 $\pm$ 0.049 χ^2 /NDF: 927325034.6/18

Right Out: 143296.790 $\pm$ 0.049 χ^2 /NDF: 615134284.0/19

143686.441 $\pm$ 0.046 χ^2 /NDF: 1193433645.2/21

Left In: 146805.985 $\pm$ 0.138 χ^2 /NDF: 5846255.8/1

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 $\pm$ 0.037 χ^2 /NDF: 1441685.0/16

Left Out: 174.398 $\pm$ 0.102 χ^2 /NDF:1632.1/1

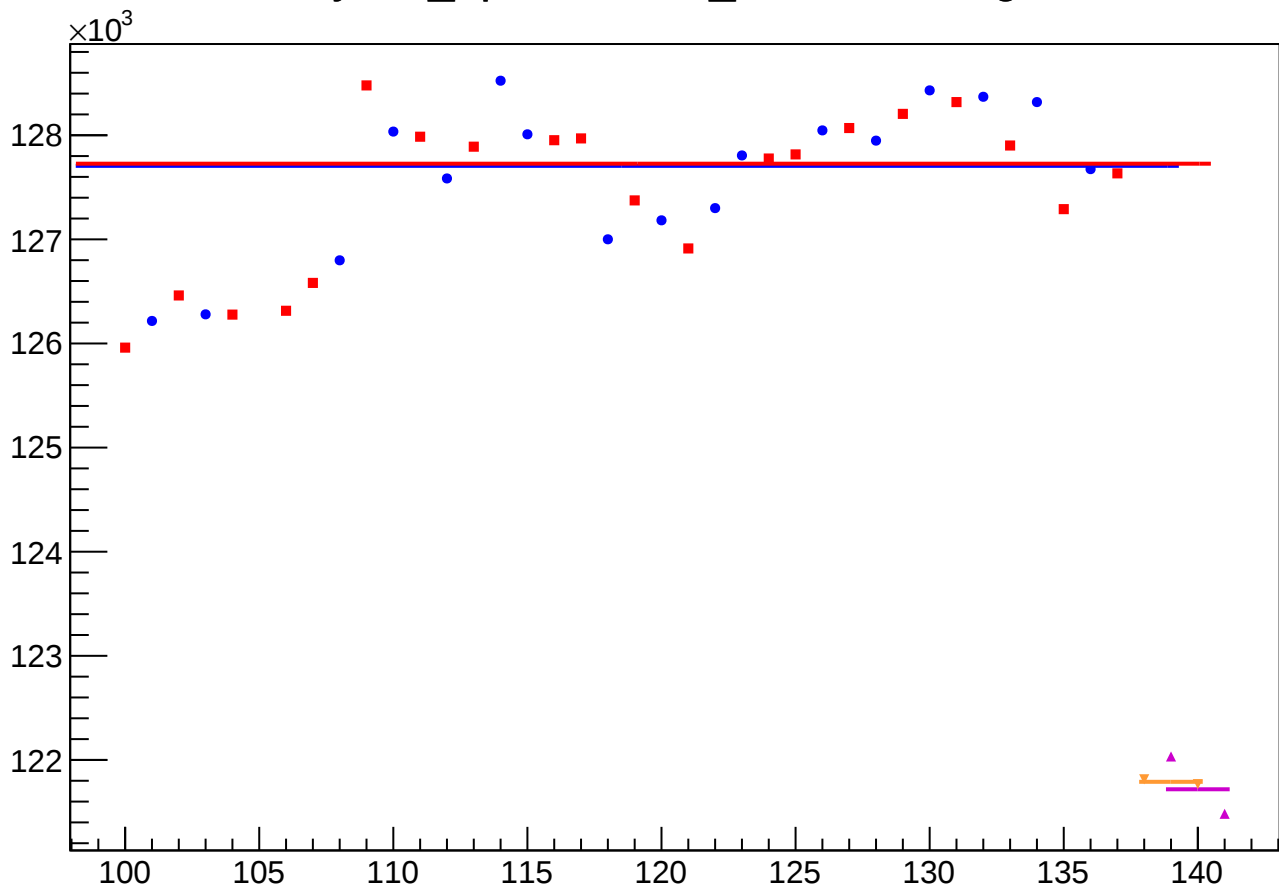
Right Out: 121.625 $\pm$ 0.035 χ^2 /NDF: 1465763.8/19

Left In: 170.029 $\pm$ 0.098 χ^2 /NDF:6429.9/1

132.200 $\pm$ 0.035 χ^2 /NDF: 1639215.8/18

127.000 $\pm$ 0.033 χ^2 /NDF: 1690024.5/21

yield_bpm0l01WS_mean vs Slug



Right In: 127706.194 $\pm$ 0.058 χ^2 /NDF: 97860521.1/16

Left Out: 121789.889 $\pm$ 0.124 χ^2 /NDF: 34837.6/1

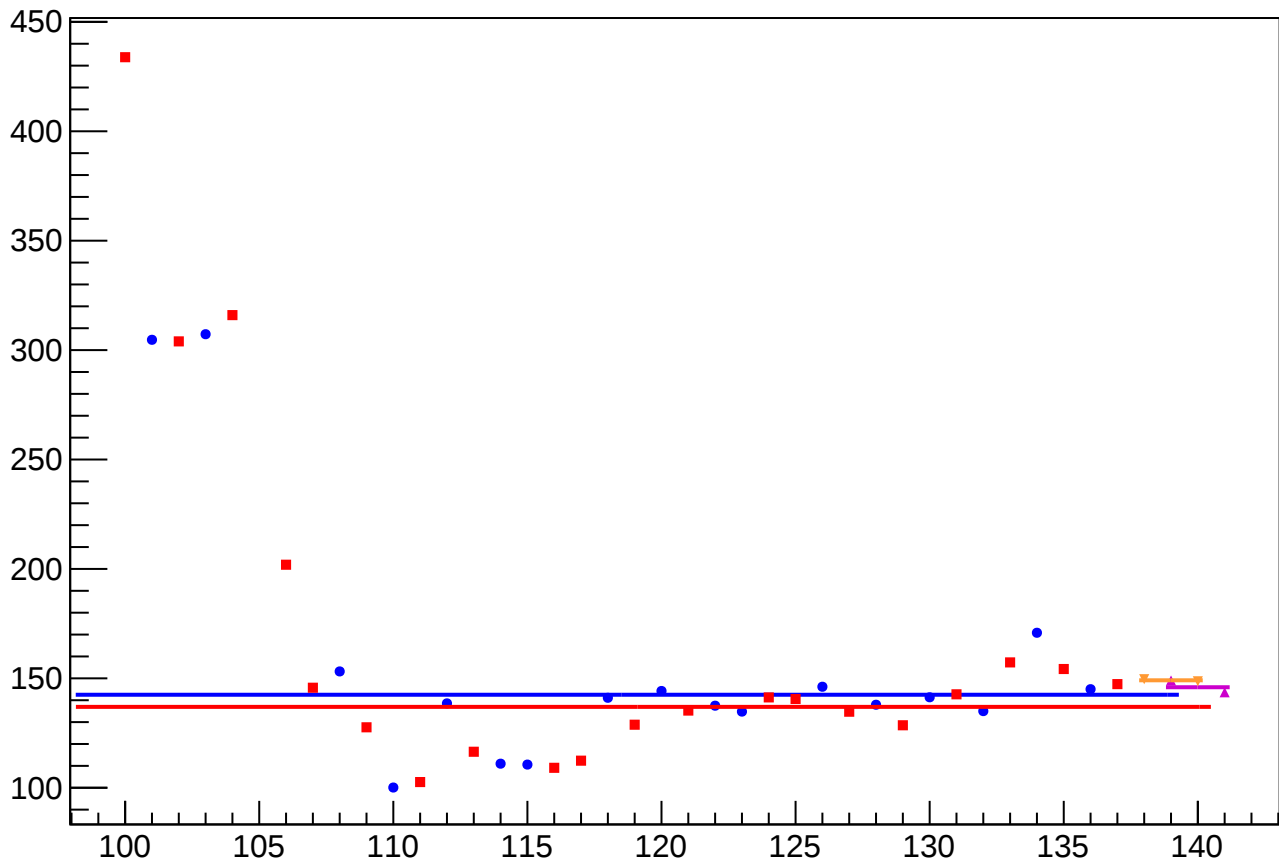
Right Out: 127726.708 $\pm$ 0.054 χ^2 /NDF: 112816704.3/19

Left In: 121718.181 $\pm$ 0.119 χ^2 /NDF: 5241870.2/1

126648.994 $\pm$ 0.053 χ^2 /NDF: 1953410936.3/18

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: 149.105 ± 0.088 χ^2/NDF : 29.5/1

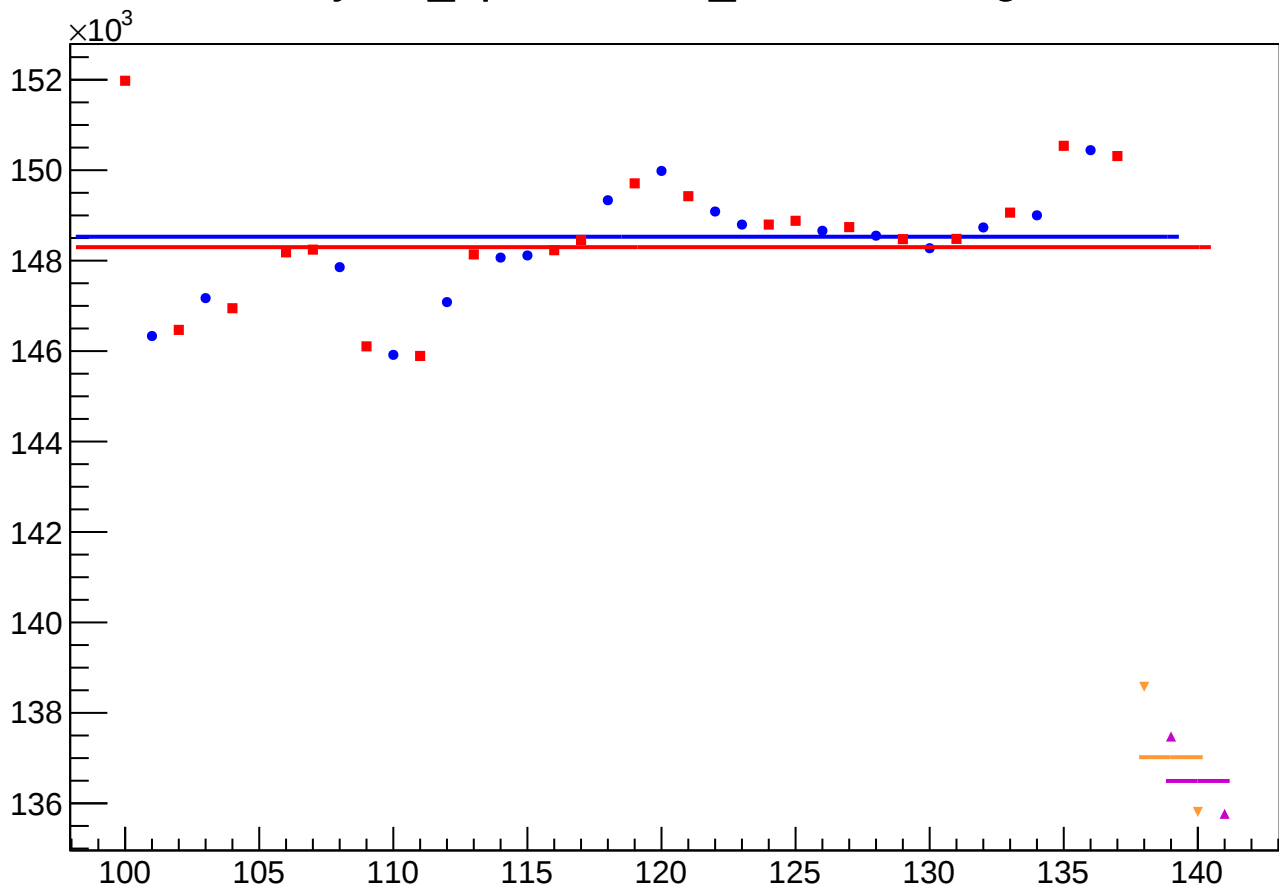
Right Out: 136.963 ± 0.038 χ^2/NDF : 961465.0/19

Left In: 145.934 ± 0.084 χ^2/NDF : 1006.9/1

143.682 ± 0.037 χ^2/NDF : 840917.0/18

138.508 ± 0.035 χ^2/NDF : 971888.2/21

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 ± 0.082 $\chi^2/\text{NDF}: 209986594.2/16$

Left Out: 137019.885 ± 0.183 $\chi^2/\text{NDF}: 56208906.9/1$

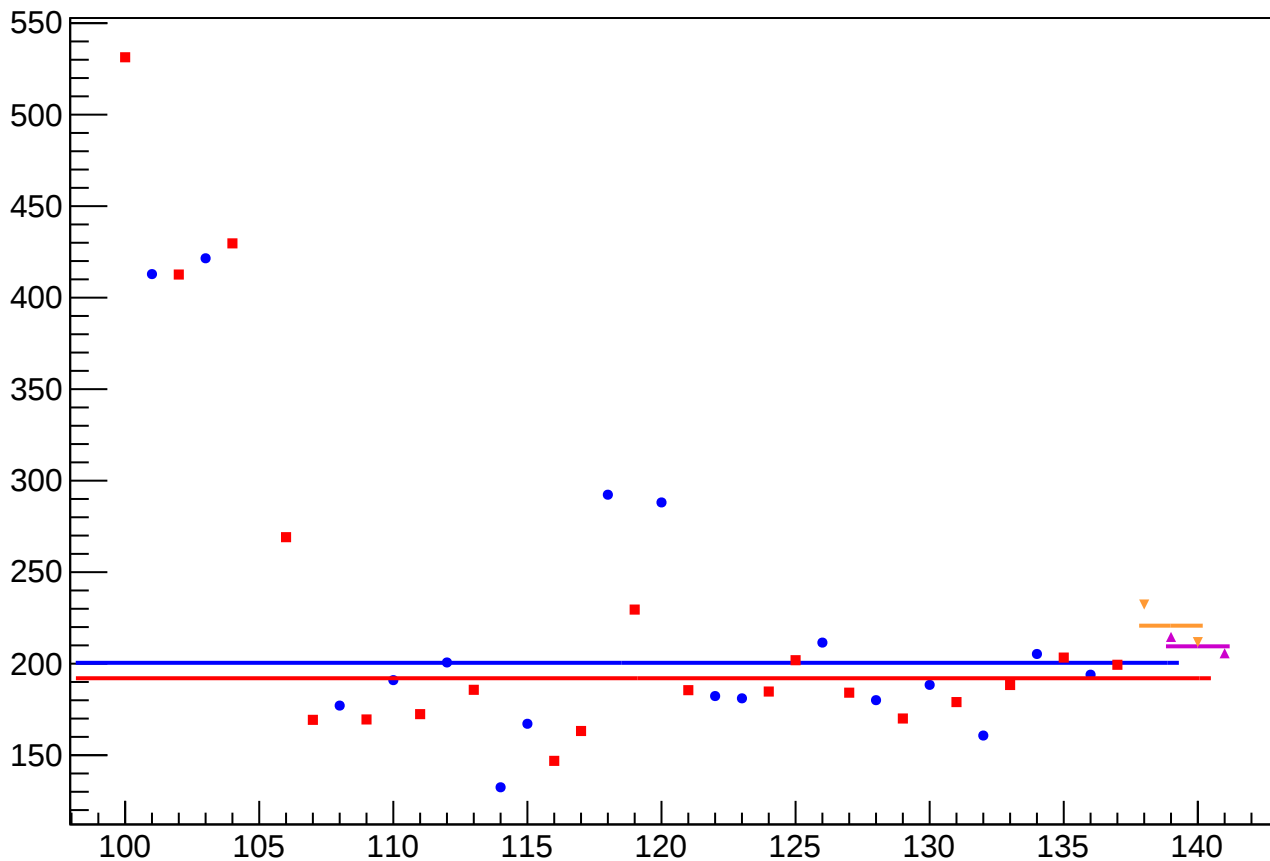
146602.610 ± 0.075 $\chi^2/\text{NDF}: 3557515571.9/18$

Right Out: 148298.586 ± 0.076 $\chi^2/\text{NDF}: 293284830.9/19$

146337.675 ± 0.069 $\chi^2/\text{NDF}: 4318565772.8/21$

Left In: 136494.449 ± 0.170 $\chi^2/\text{NDF}: 24559658.6/1$

yield_bpm0l02WS_rms vs Slug



Right In: 200.472+/-0.058 χ^2/NDF : 936547.2/16

Left Out: 220.766+/-0.129 χ^2/NDF : 6189.3/1

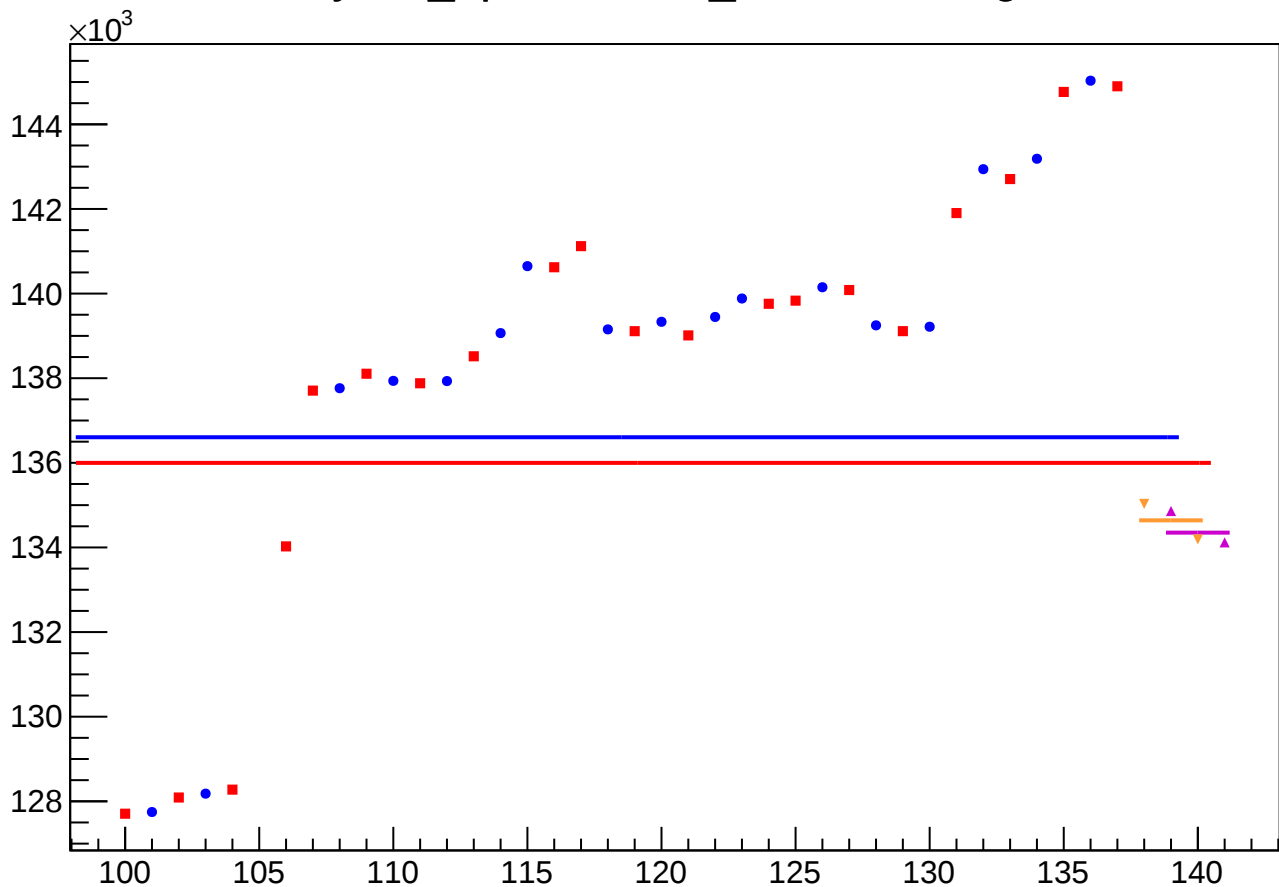
Right Out: 192.040+/-0.054 χ^2/NDF : 847133.0/19

Left In: 209.480+/-0.121 χ^2/NDF : 1349.1/1

203.869+/-0.053 χ^2/NDF : 963203.8/18

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: 134640.553 $\pm$ 0.430 χ^2 /NDF: 947533.8/1

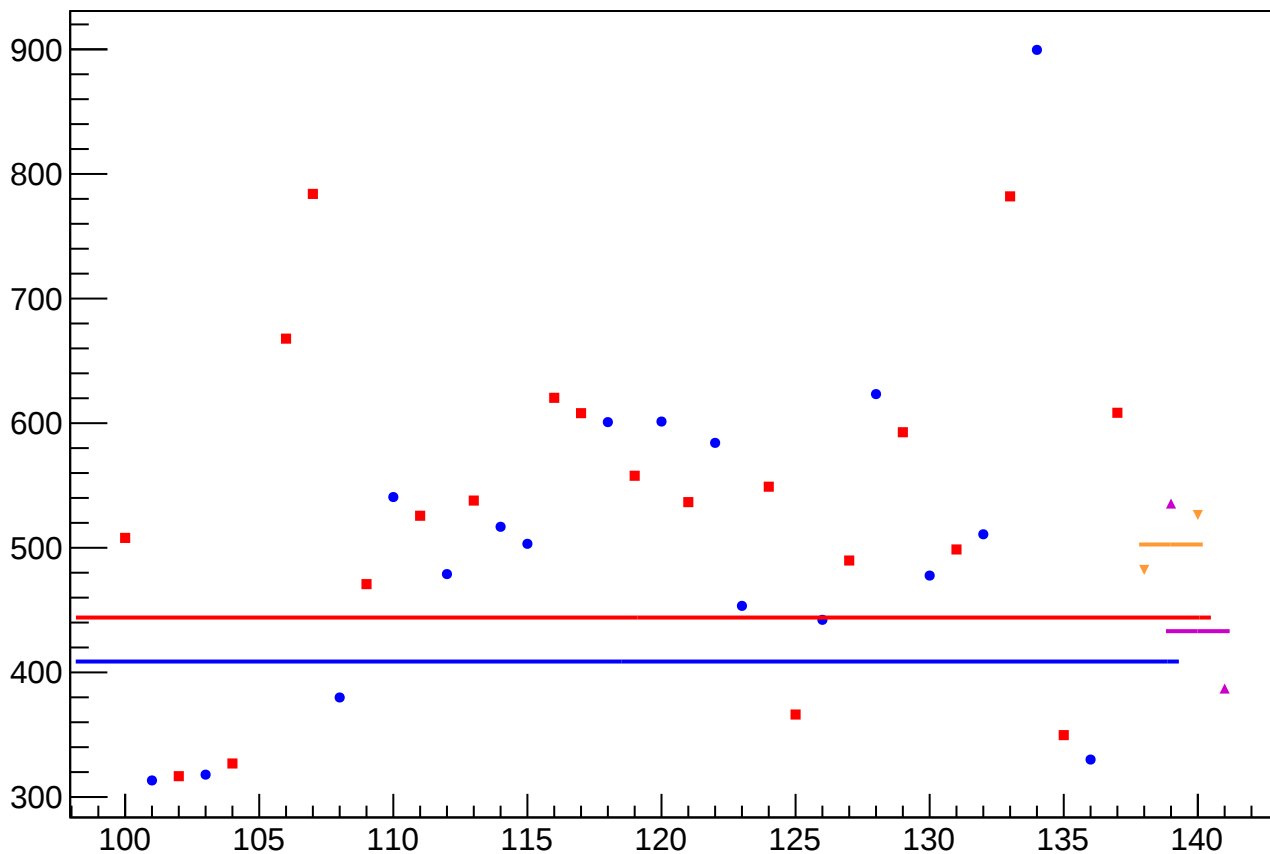
Right Out: 135998.851 $\pm$ 0.182 χ^2 /NDF: 1084895879.4/19

Left In: 134349.925 $\pm$ 0.414 χ^2 /NDF: 684533.8/1

136335.401 $\pm$ 0.159 χ^2 /NDF: 1513293532.7/18

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: 502.649+/-0.304 χ^2/NDF : 5221.8/1

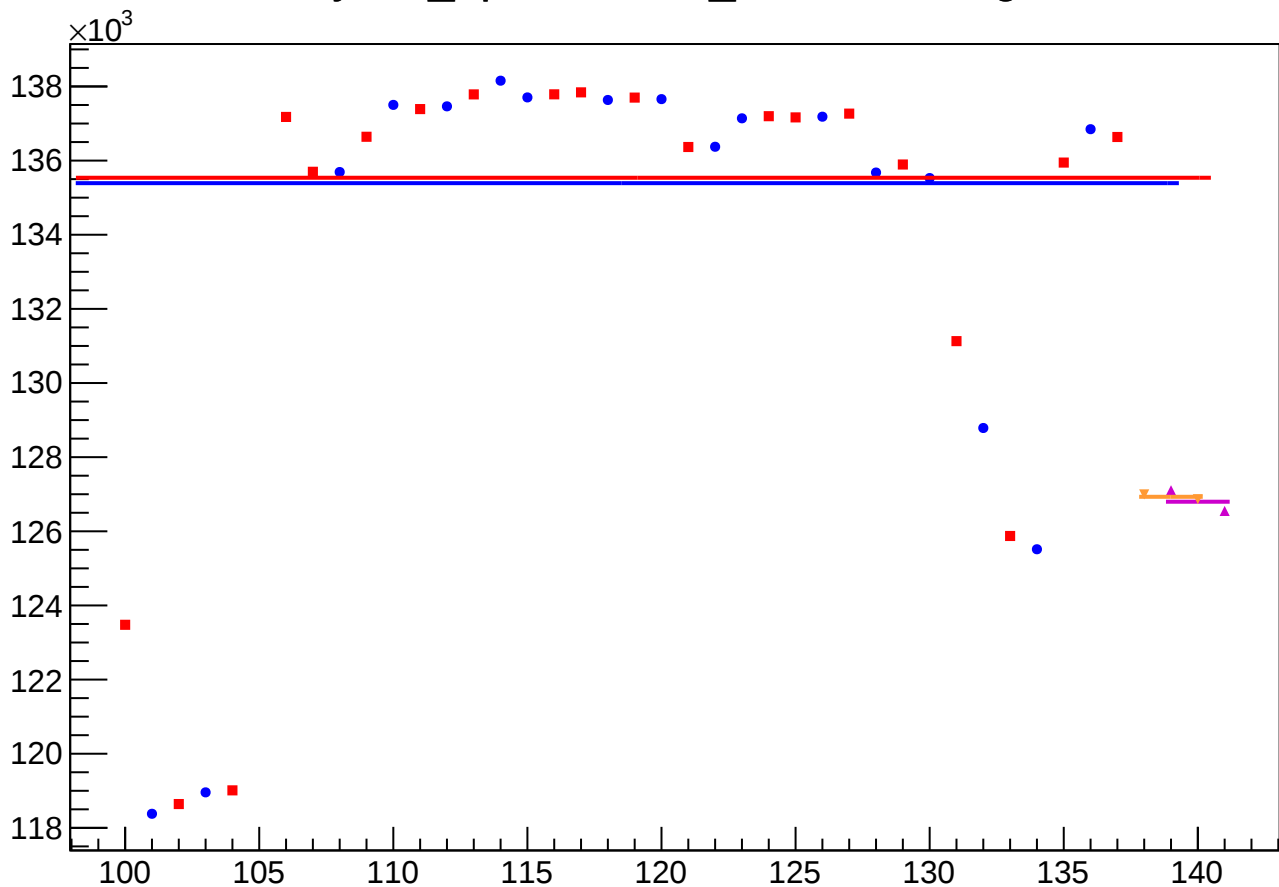
Right Out: 444.034+/-0.129 χ^2/NDF : 922545.8/19

Left In: 433.107+/-0.293 χ^2/NDF : 54982.9/1

421.604+/-0.113 χ^2/NDF : 910764.1/18

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: 126930.899 $\pm$ 0.136 χ^2 /NDF: 228231.5/1

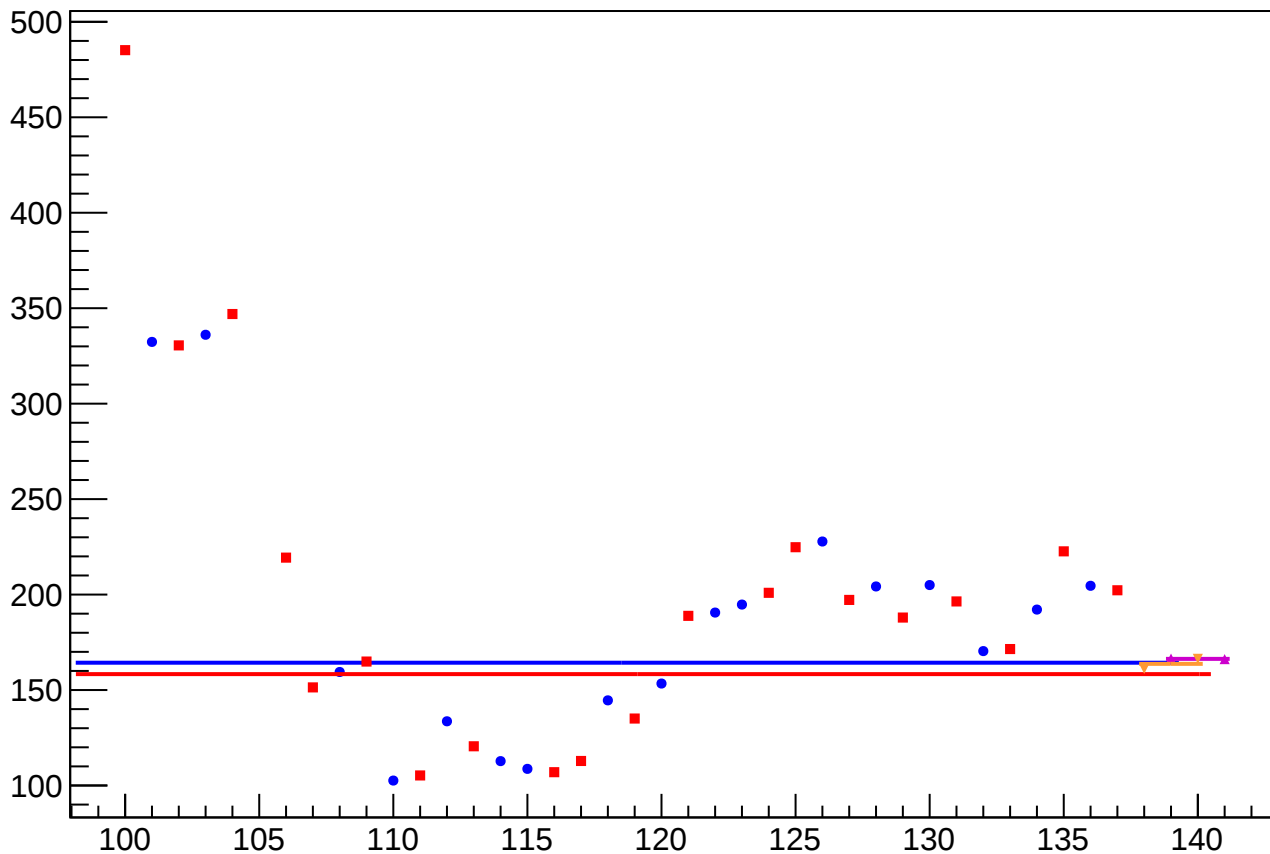
Right Out: 135537.290 $\pm$ 0.064 χ^2 /NDF: 4748951957.4/19

Left In: 126797.925 $\pm$ 0.135 χ^2 /NDF: 4201104.3/1

133680.129 $\pm$ 0.061 χ^2 /NDF: 7687327317.2/18

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: 163.711+/-0.096 χ^2/NDF : 754.6/1

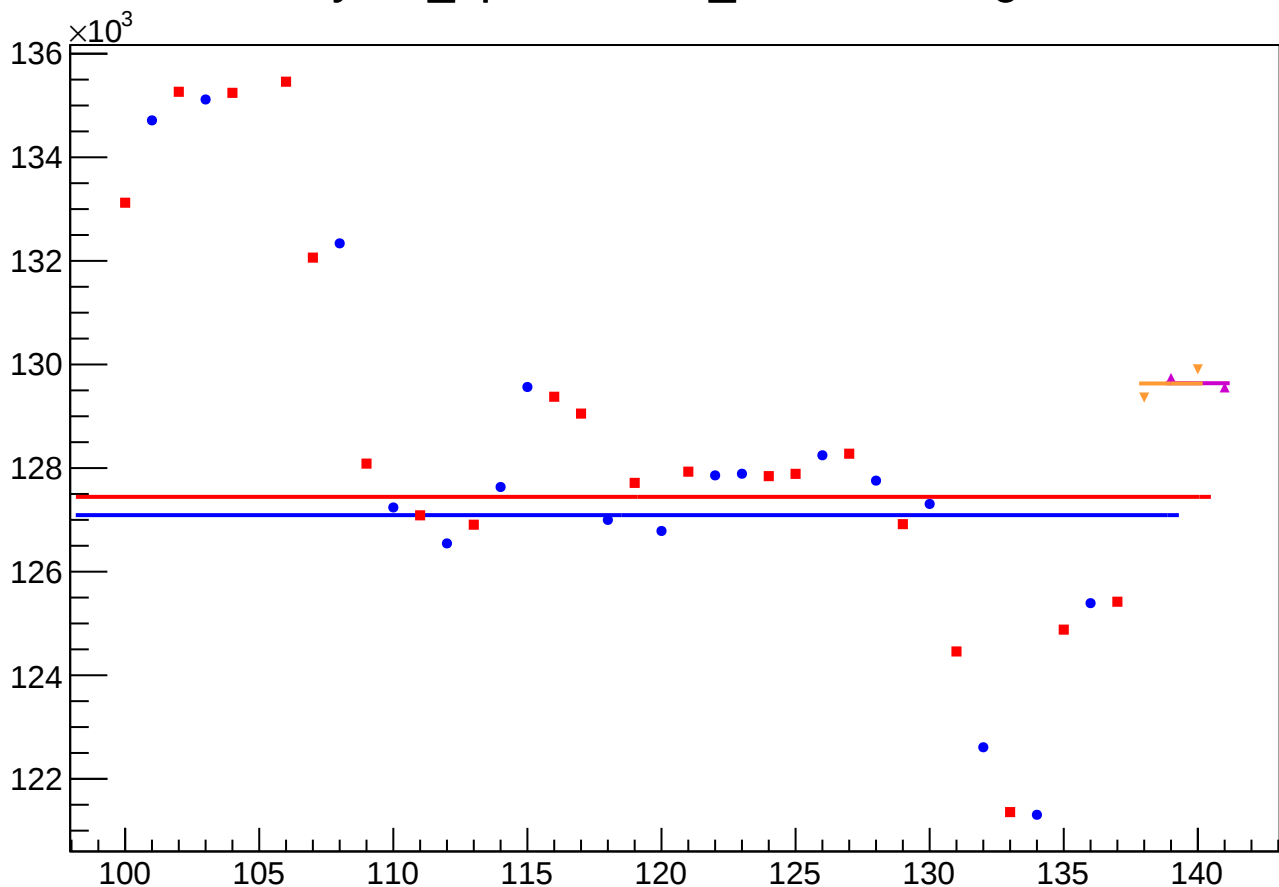
Right Out: 158.336+/-0.045 χ^2/NDF : 1398323.7/19

Left In: 166.319+/-0.096 χ^2/NDF : 2.1/1

164.190+/-0.043 χ^2/NDF : 1231273.7/18

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: 129633.432 $\pm$ 0.134 χ^2 /NDF: 4152762.2/1

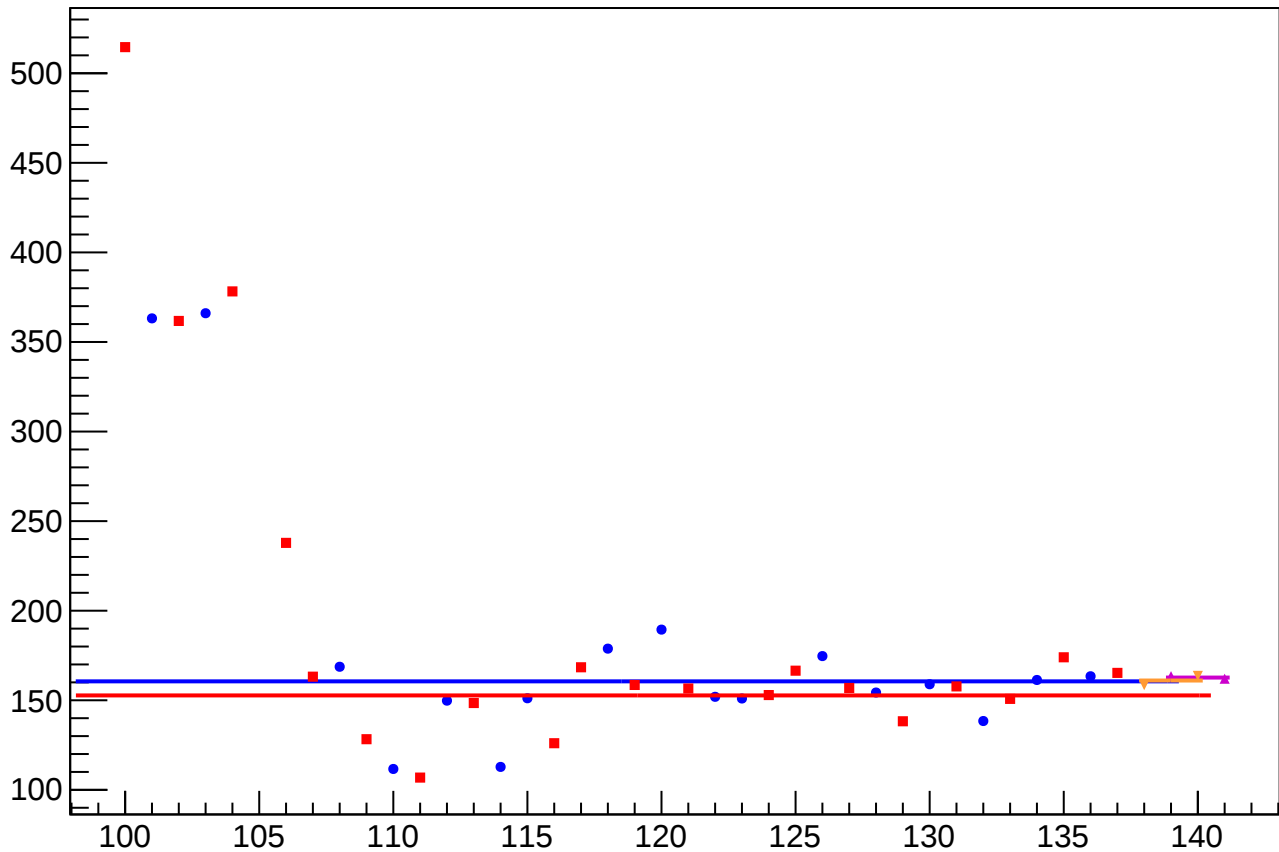
Right Out: 127444.472 $\pm$ 0.061 χ^2 /NDF: 2082646787.7/19

Left In: 129638.384 $\pm$ 0.132 χ^2 /NDF: 471721.2/1

127593.413 $\pm$ 0.059 χ^2 /NDF: 2011576238.3/18

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: 161.028+/-0.095 χ^2/NDF : 750.1/1

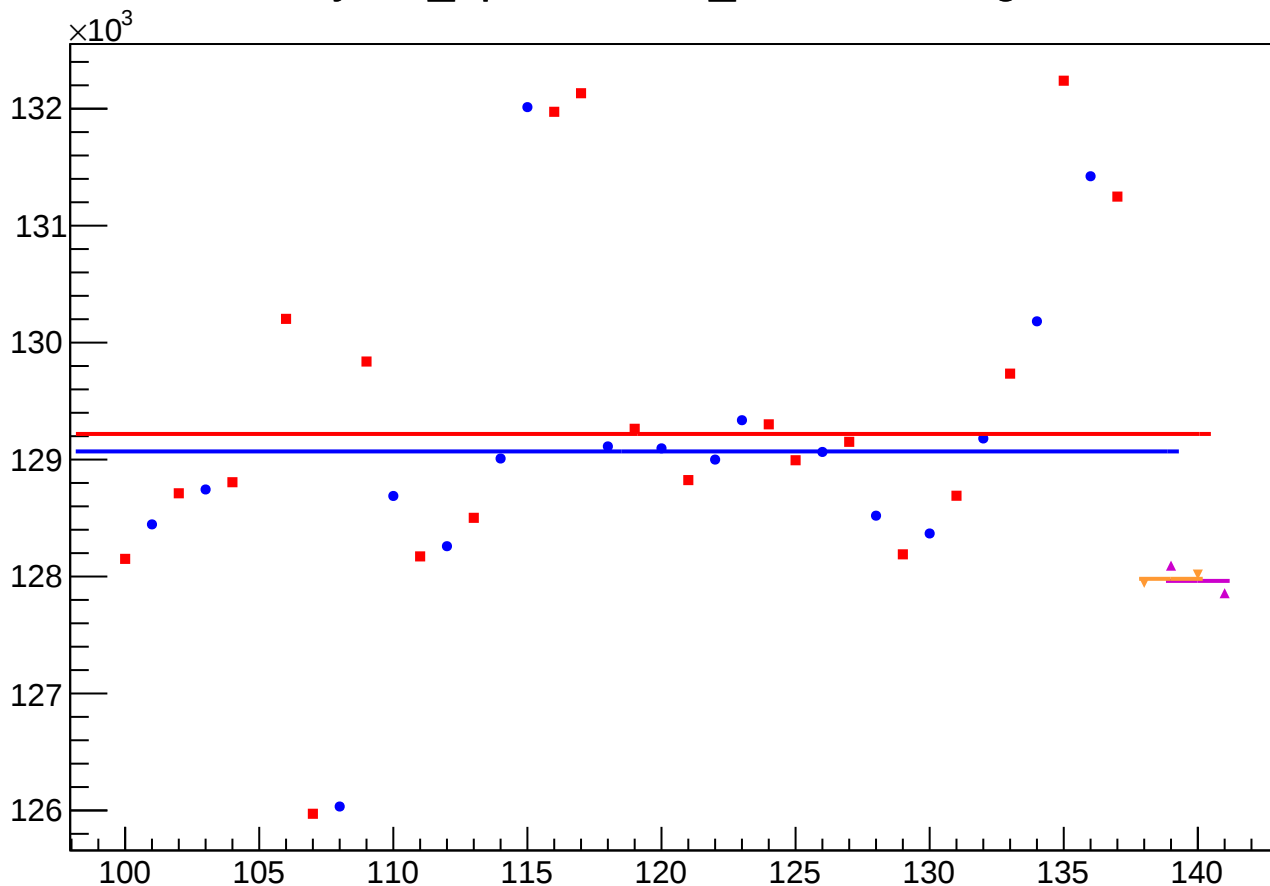
160.656+/-0.042 χ^2/NDF : 943516.5/18

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: 127980.433 ± 0.129 $\chi^2/\text{NDF}: 75354.7/1$

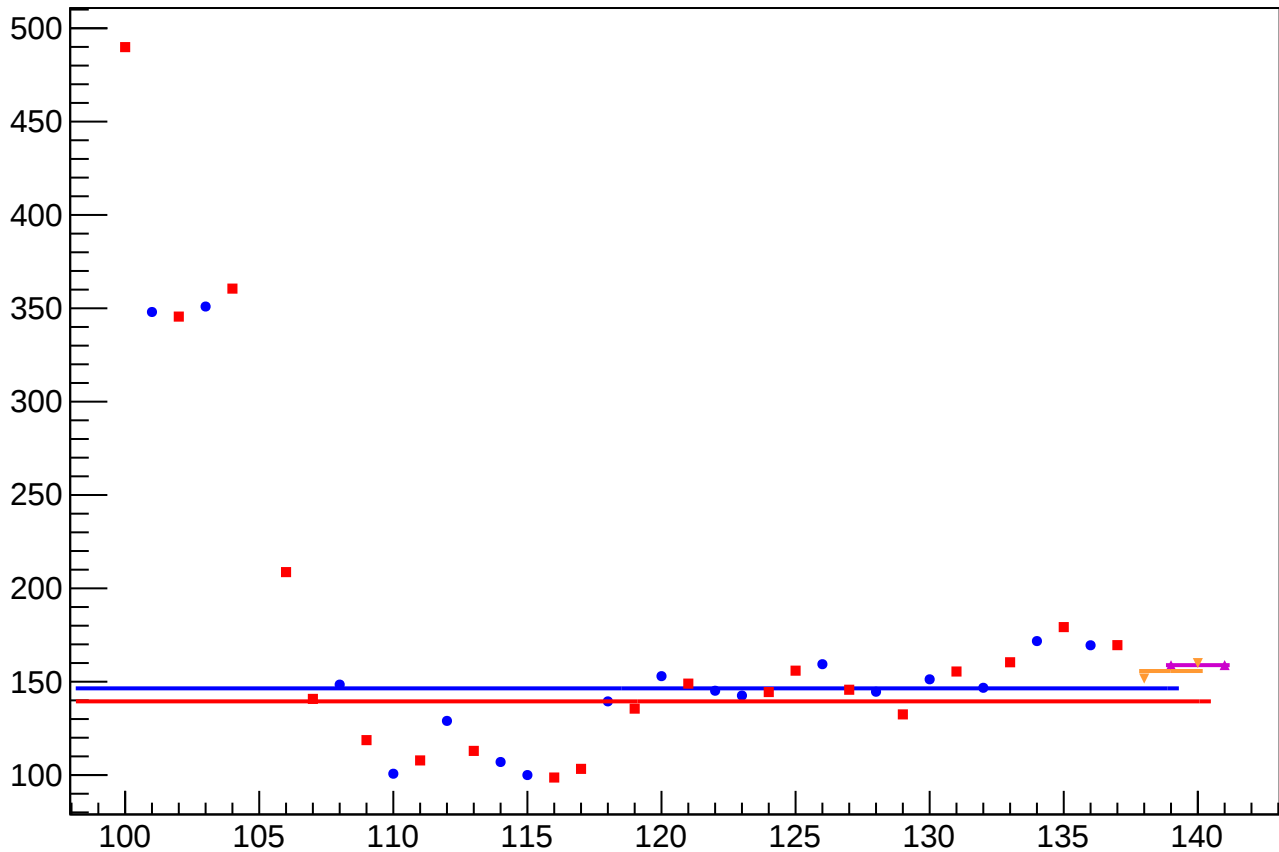
Right Out: 129219.072 ± 0.056 $\chi^2/\text{NDF}: 660468184.1/19$

Left In: 127962.627 ± 0.129 $\chi^2/\text{NDF}: 821858.3/1$

128874.439 ± 0.055 $\chi^2/\text{NDF}: 535504004.2/18$

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: 155.726 ± 0.091 χ^2/NDF : 2053.6/1

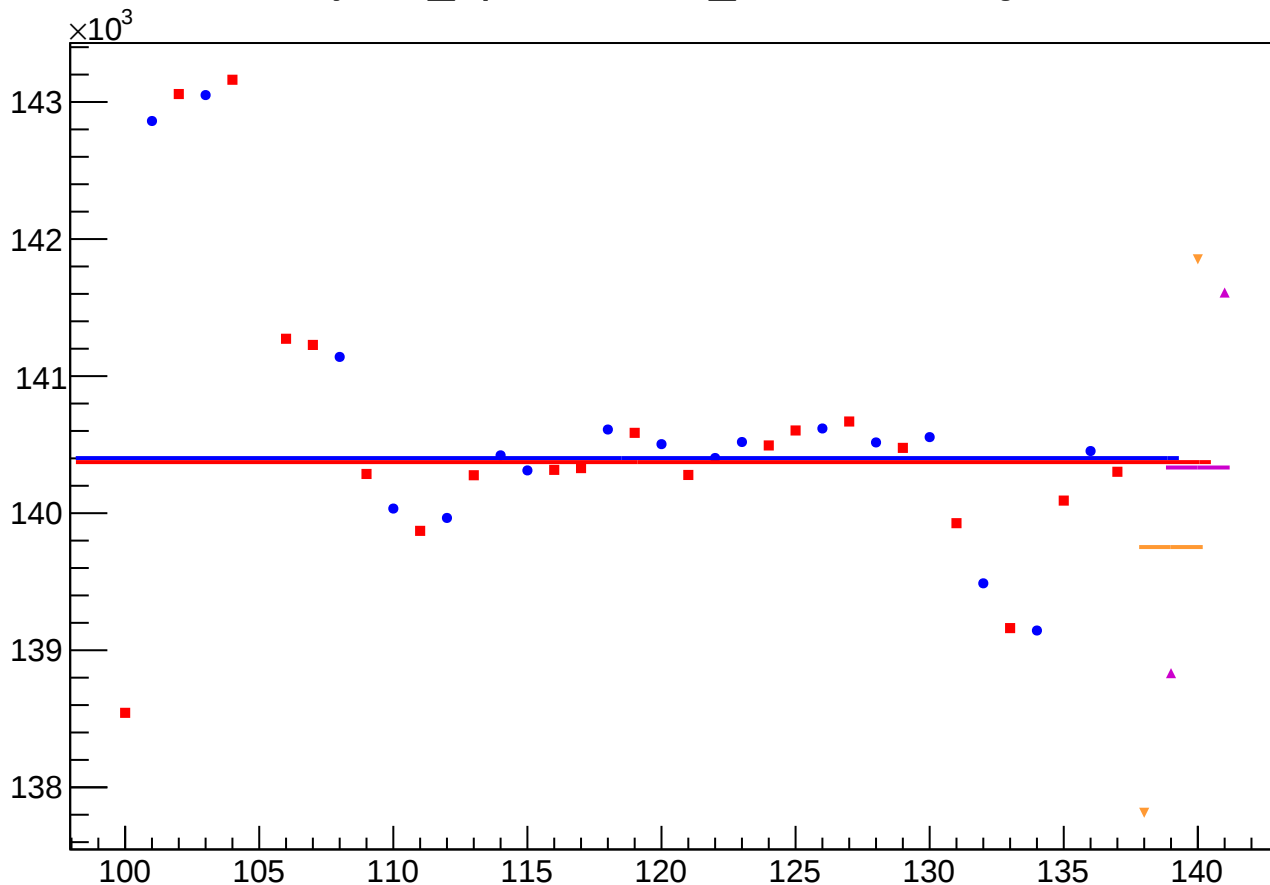
Right Out: 139.468 ± 0.039 χ^2/NDF : 1214310.8/19

Left In: 158.875 ± 0.091 χ^2/NDF : 0.2/1

148.102 ± 0.039 χ^2/NDF : 1075388.2/18

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: 139752.914 $\pm$ 0.151 χ^2 /NDF:178190373.6/1

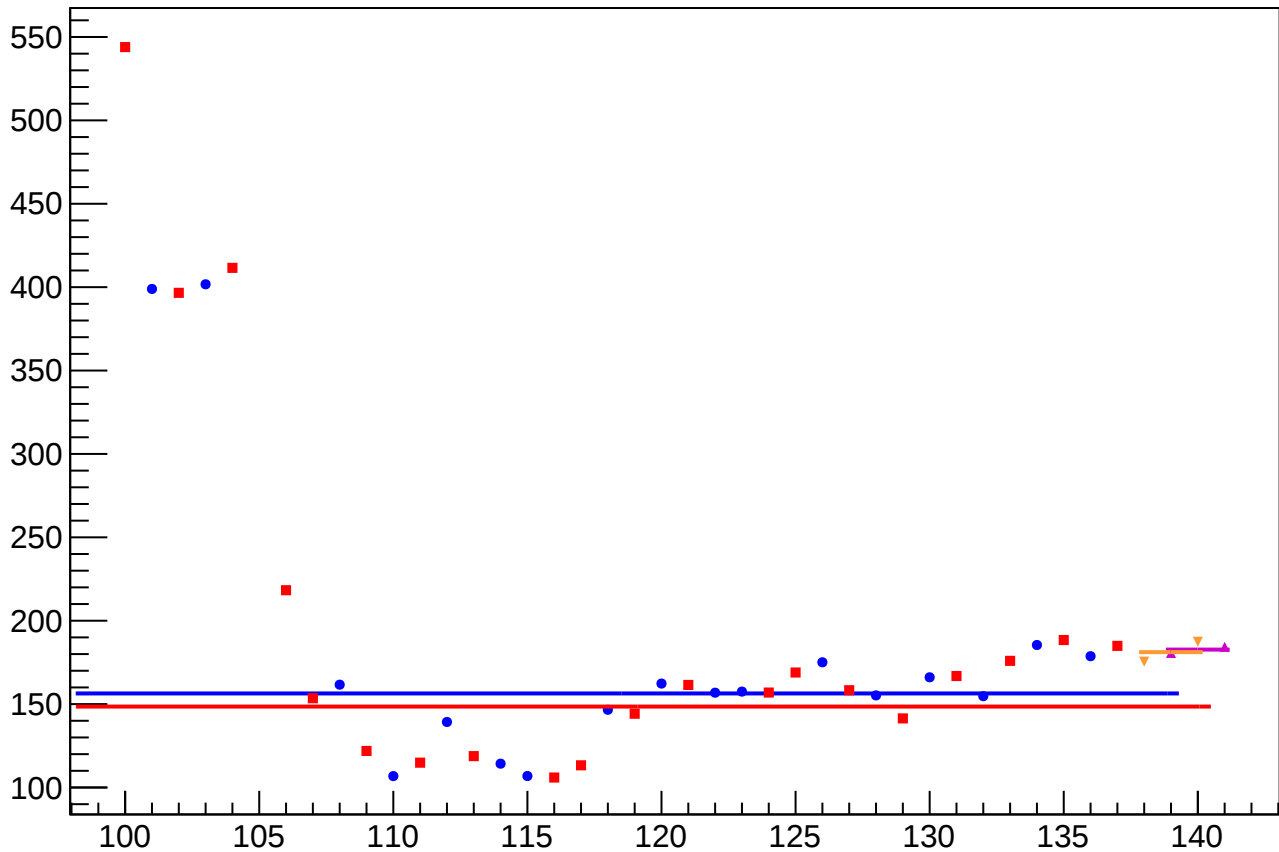
140302.391 $\pm$ 0.059 χ^2 /NDF: 281878678.1/18

Right Out: 140372.636 $\pm$ 0.059 χ^2 /NDF: 99861038.9/19

140367.245 $\pm$ 0.055 χ^2 /NDF: 185716679.5/21

Left In: 140333.242 $\pm$ 0.149 χ^2 /NDF:85795636.6/1

yield_bpm0l07WS_rms vs Slug



Right In: 156.394 ± 0.046 χ^2/NDF : 1154804.2/16

Left Out: 181.172 ± 0.107 χ^2/NDF : 3116.8/1

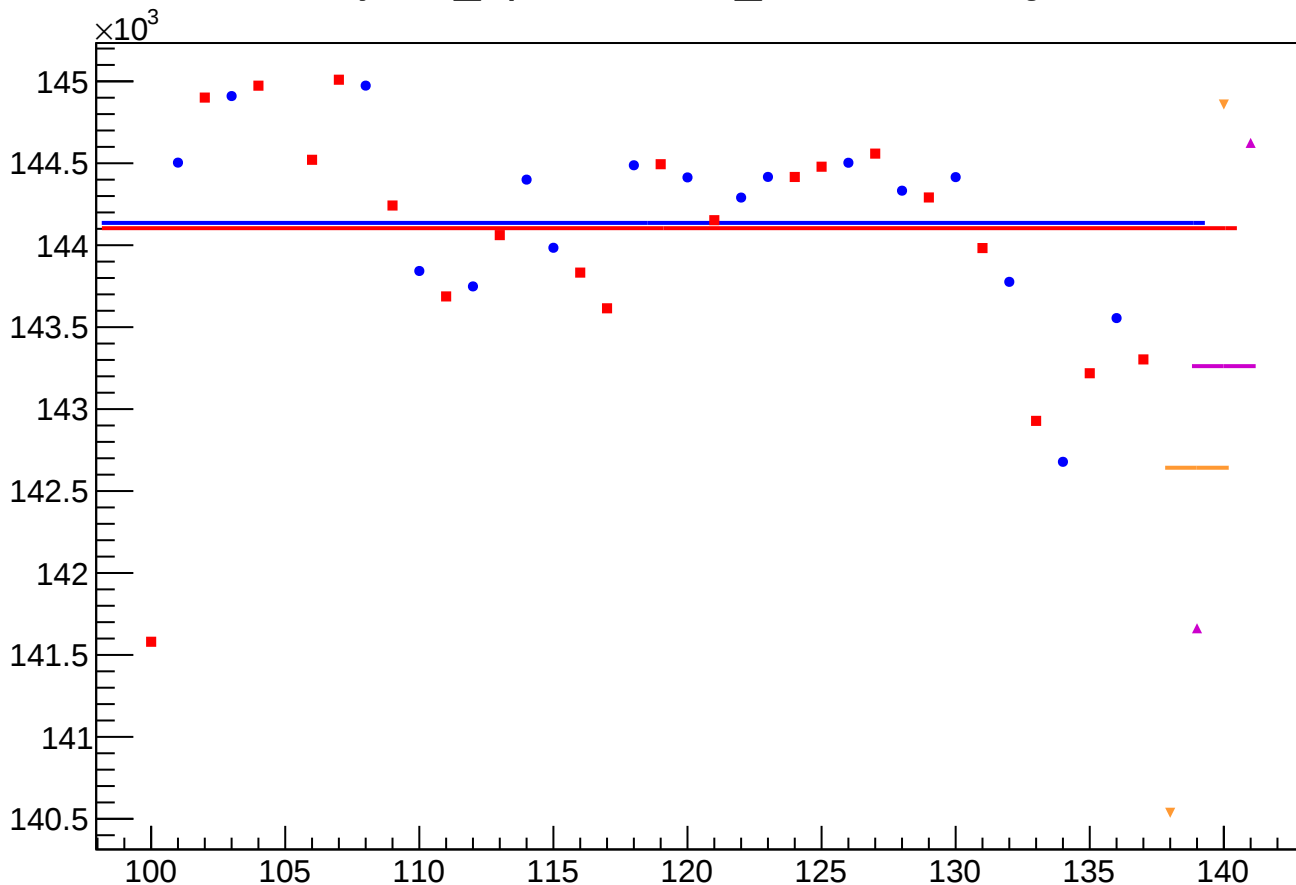
160.196 ± 0.042 χ^2/NDF : 1203434.5/18

Right Out: 148.524 ± 0.042 χ^2/NDF : 1316113.9/19

153.199 ± 0.039 χ^2/NDF : 1406670.9/21

Left In: 182.687 ± 0.106 χ^2/NDF : 301.0/1

yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 $\pm$ 0.067 χ^2 /NDF: 47069480.3/16

Left Out: 142642.219 $\pm$ 0.150 χ^2 /NDF: 206135629.7/1

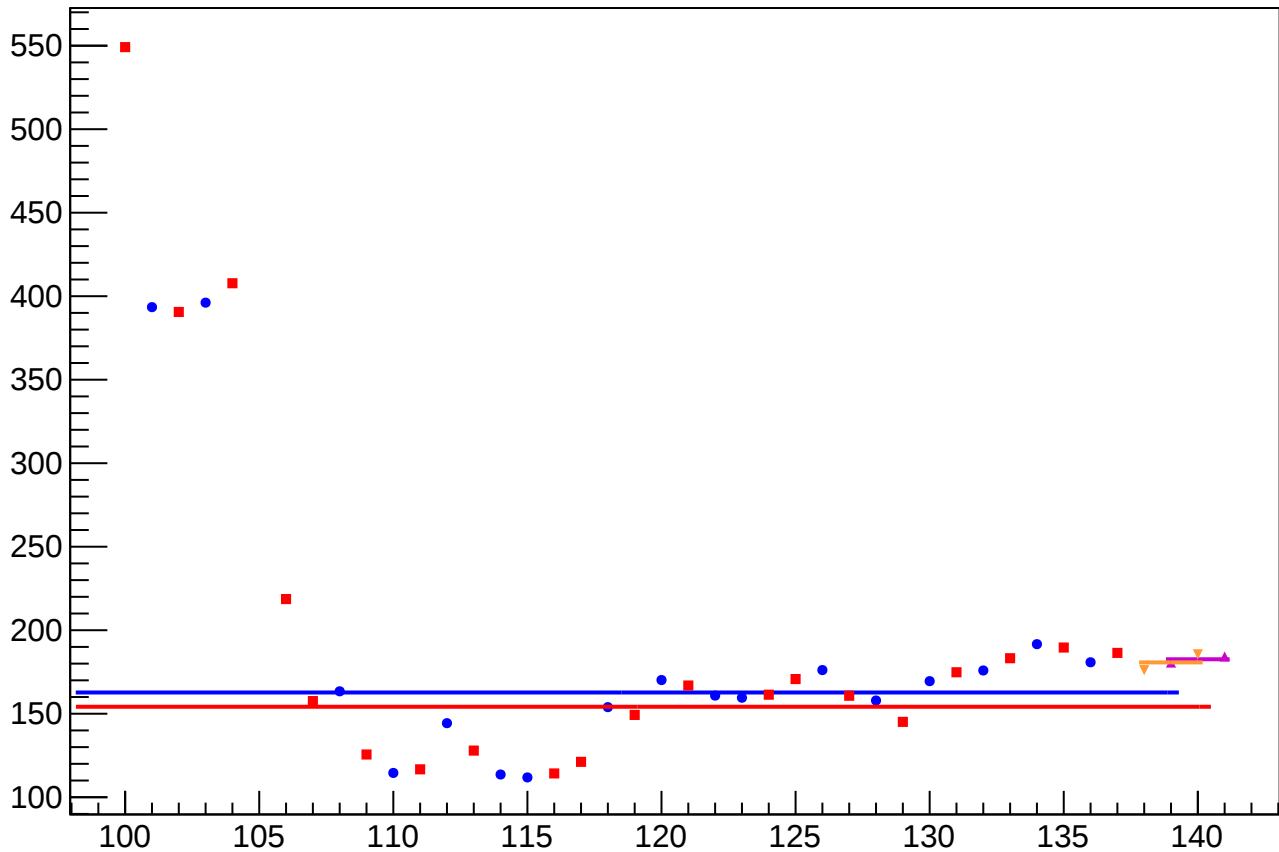
143890.295 $\pm$ 0.061 χ^2 /NDF: 335579020.4/18

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+/-0.047 χ^2/NDF : 1066482.0/16

Left Out: 180.728+/-0.106 χ^2/NDF :1978.6/1

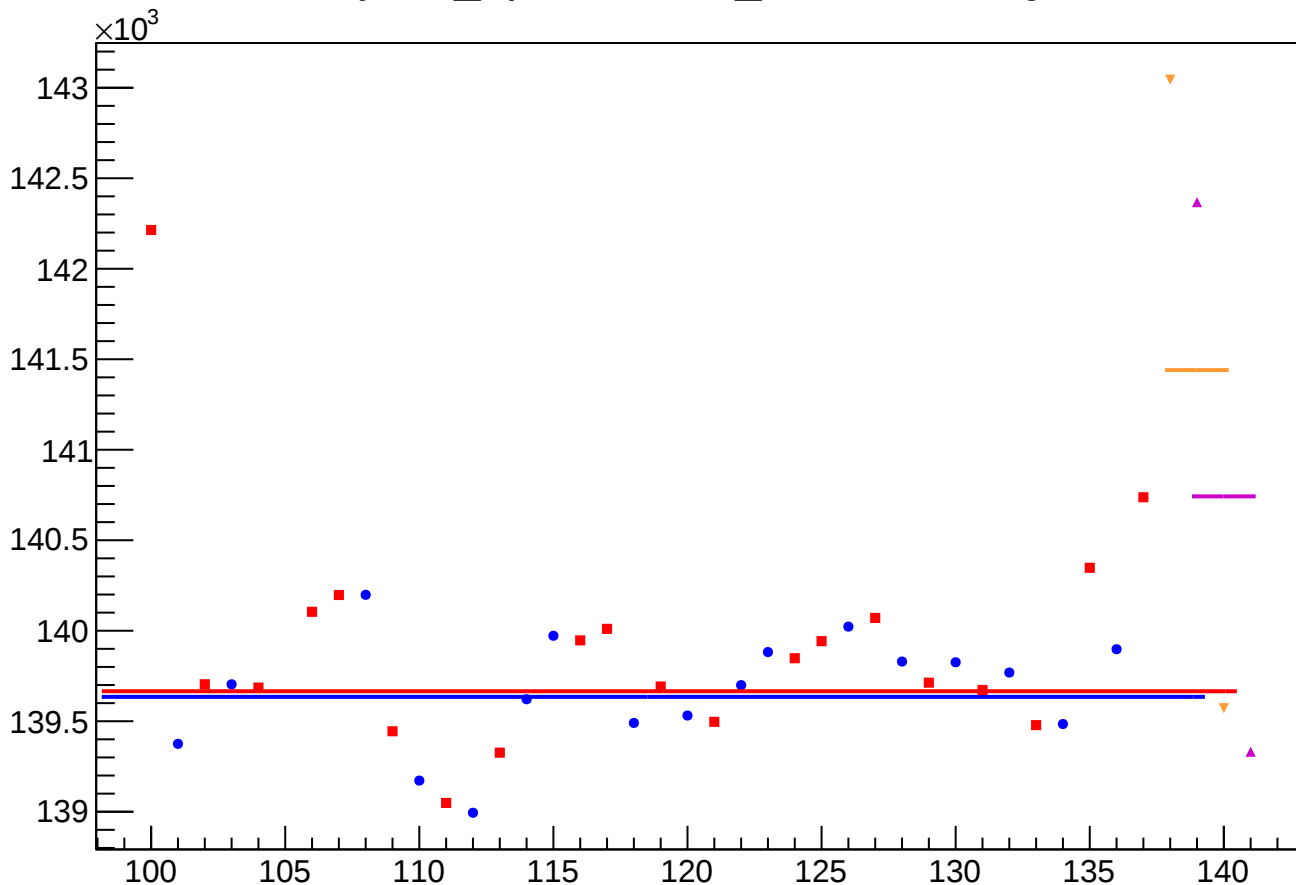
165.678+/-0.043 χ^2/NDF : 1092415.4/18

Right Out: 154.174+/-0.044 χ^2/NDF : 1224004.2/19

158.306+/-0.040 χ^2/NDF : 1286388.2/21

Left In: 182.608+/-0.105 χ^2/NDF :293.3/1

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700+/-0.068 χ^2/NDF : 24844912.0/16

Left Out: 141440.065+/-0.159 χ^2/NDF : 118875941.9/1

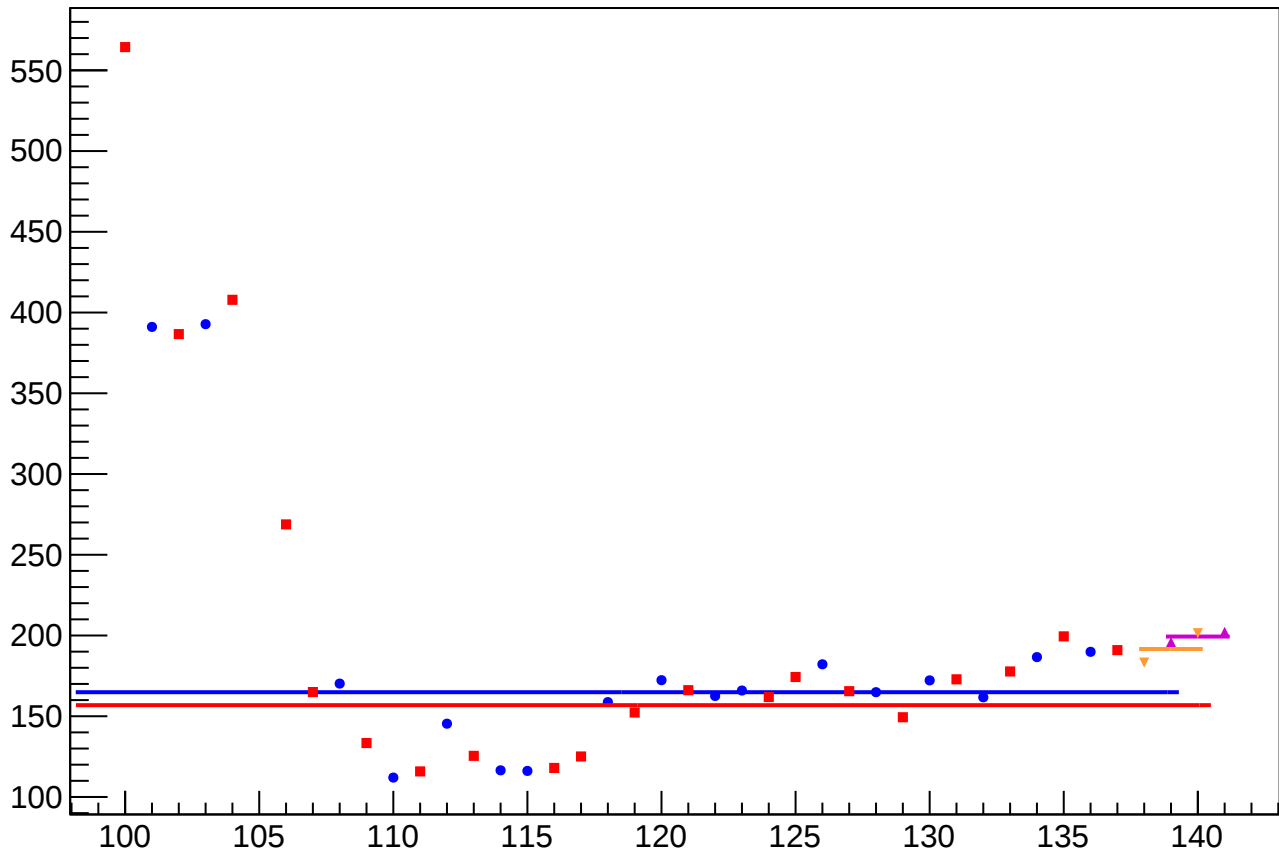
Right Out: 139665.743+/-0.063 χ^2/NDF : 38703726.2/19

Left In: 140742.346+/-0.163 χ^2/NDF : 86588946.3/1

139912.942+/-0.062 χ^2/NDF : 253074334.8/18

139804.852+/-0.059 χ^2/NDF : 163395511.6/21

yield_bpm0l09WS_rms vs Slug



Right In: 164.884+/-0.048 χ^2/NDF : 1066270.8/16

Left Out: 191.625+/-0.112 χ^2/NDF : 6532.2/1

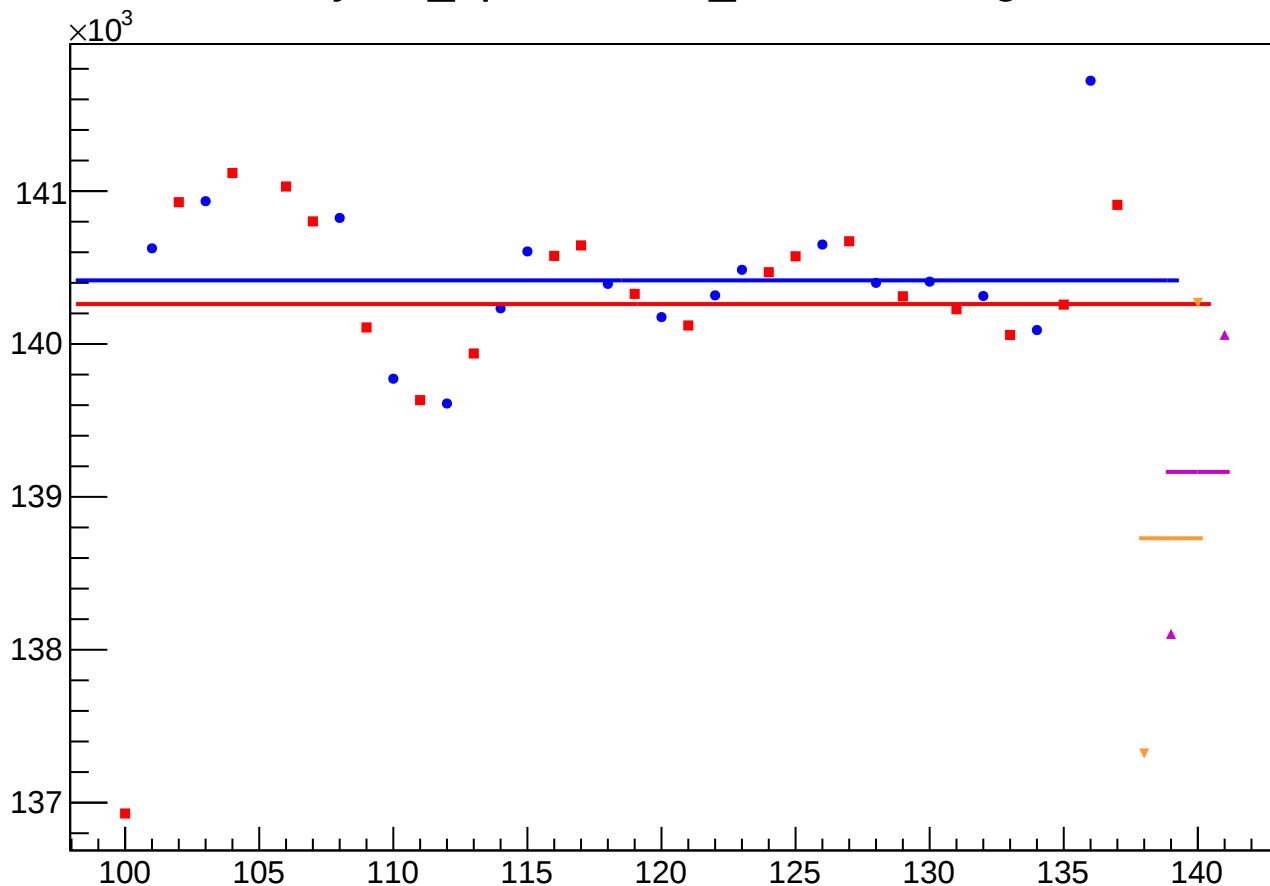
169.006+/-0.044 χ^2/NDF : 1120783.5/18

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 $\chi^2/\text{NDF}: 69975821.3/16$

Left Out: 138729.293 ± 0.145 $\chi^2/\text{NDF}: 103328059.1/1$

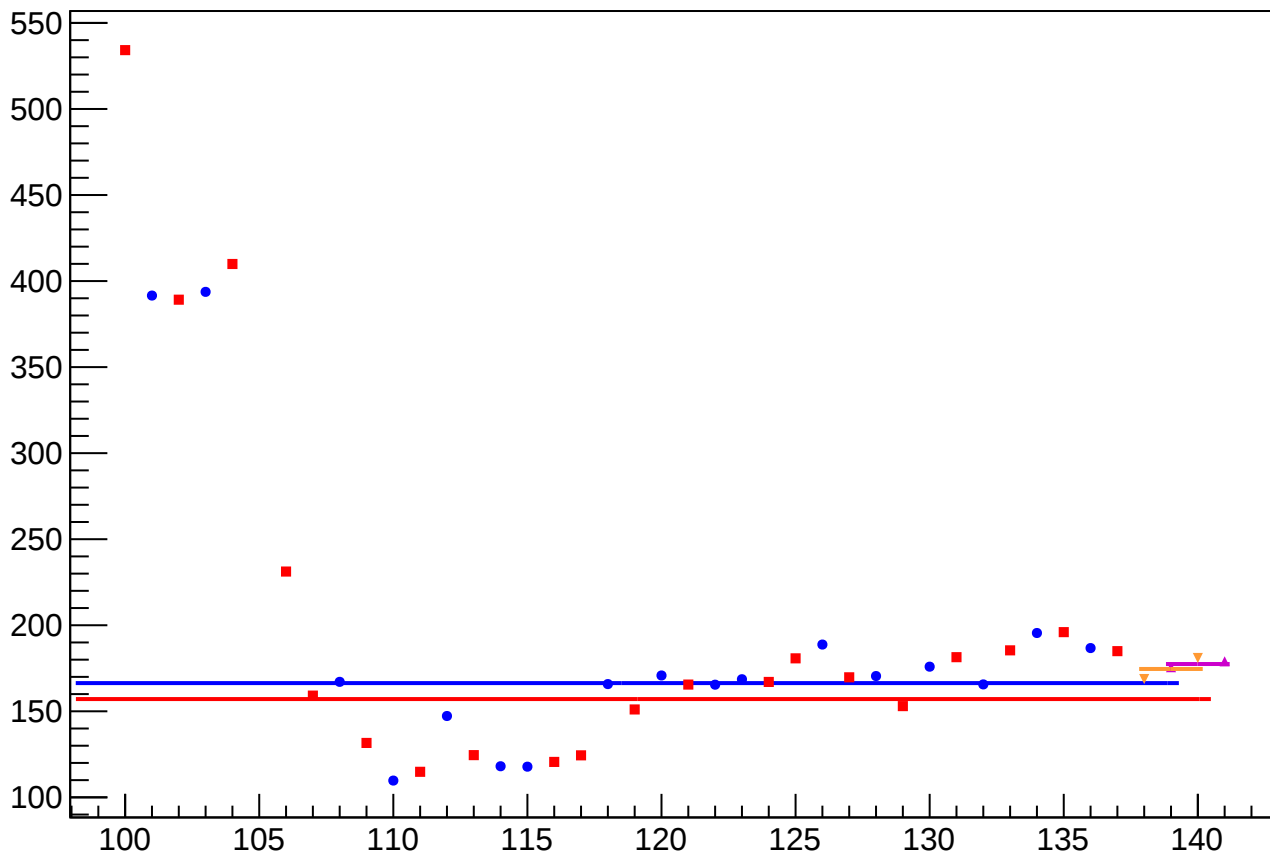
Right Out: 140261.267 ± 0.063 $\chi^2/\text{NDF}: 38479140.4/19$

Left In: 139163.347 ± 0.145 $\chi^2/\text{NDF}: 45314518.4/1$

140108.533 ± 0.062 $\chi^2/\text{NDF}: 284198044.6/18$

140087.409 ± 0.058 $\chi^2/\text{NDF}: 132202383.3/21$

yield_bpm0l10WS_rms vs Slug



Right In: 166.388 $\pm$ 0.048 χ^2 /NDF: 1080964.8/16

Left Out: 174.595 $\pm$ 0.102 χ^2 /NDF: 3557.0/1

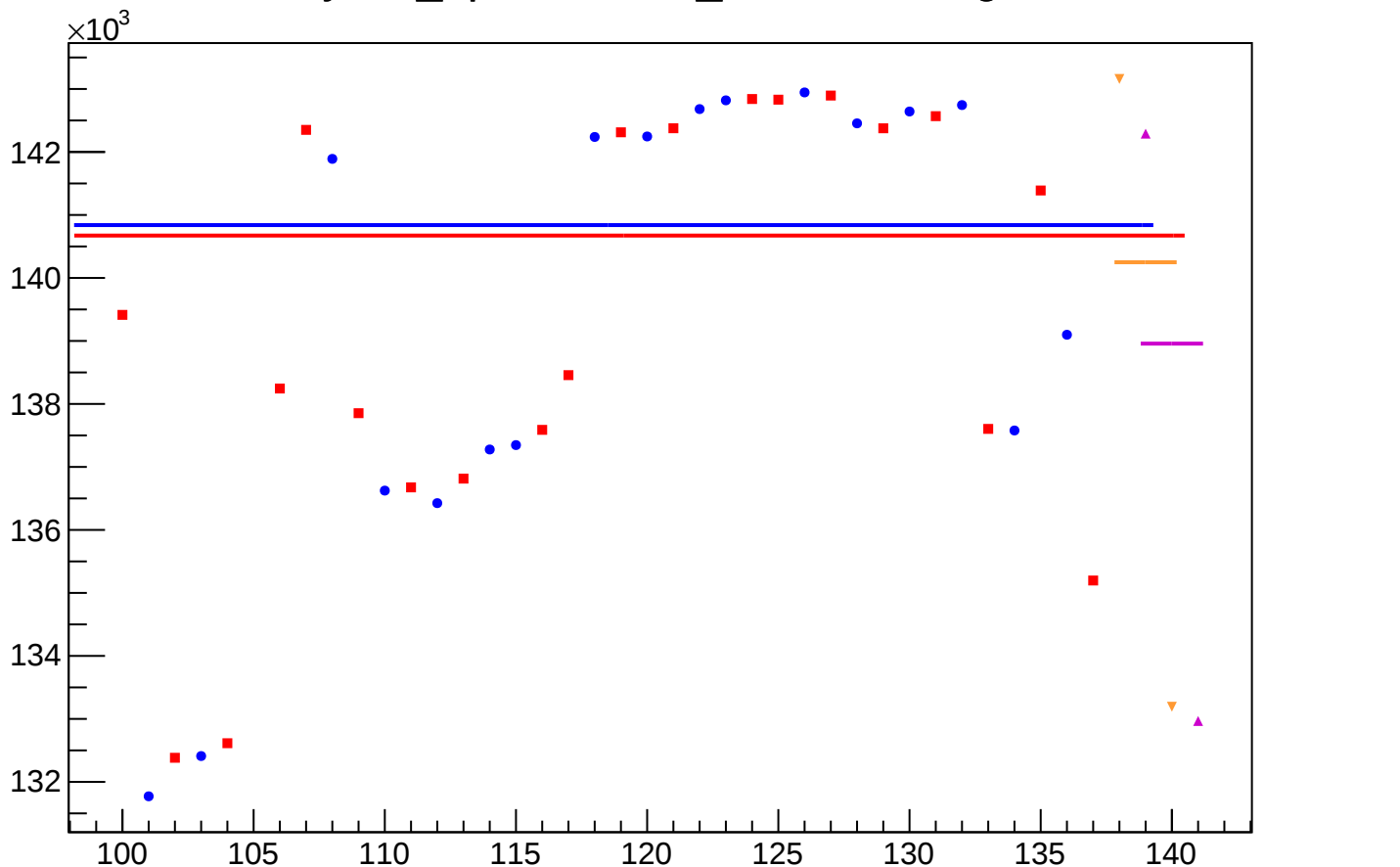
Right Out: 157.110 $\pm$ 0.044 χ^2 /NDF: 1235934.7/19

Left In: 177.475 $\pm$ 0.102 χ^2 /NDF: 275.7/1

167.884 $\pm$ 0.044 χ^2 /NDF: 1089773.2/18

160.335 $\pm$ 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: 140249.126 $\pm$ 0.204 χ^2/NDF : 493831635.8/1

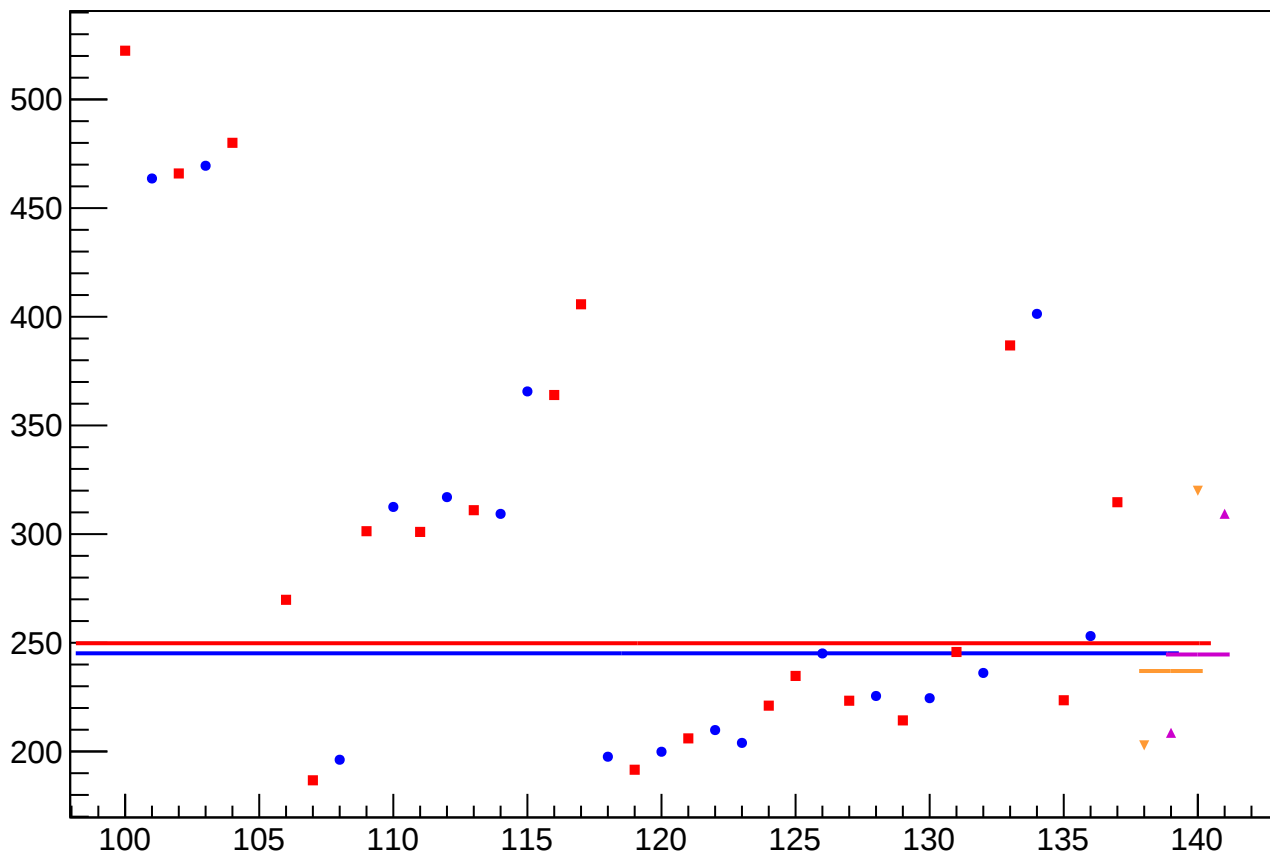
Right Out: 140672.898 $\pm$ 0.099 χ^2/NDF : 841965357.5/19

Left In: 138957.408 $\pm$ 0.206 χ^2/NDF : 469478459.6/1

140724.721 $\pm$ 0.090 χ^2/NDF : 1323263439.4/18

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: 237.017+/-0.144 χ^2/NDF :136472.5/1

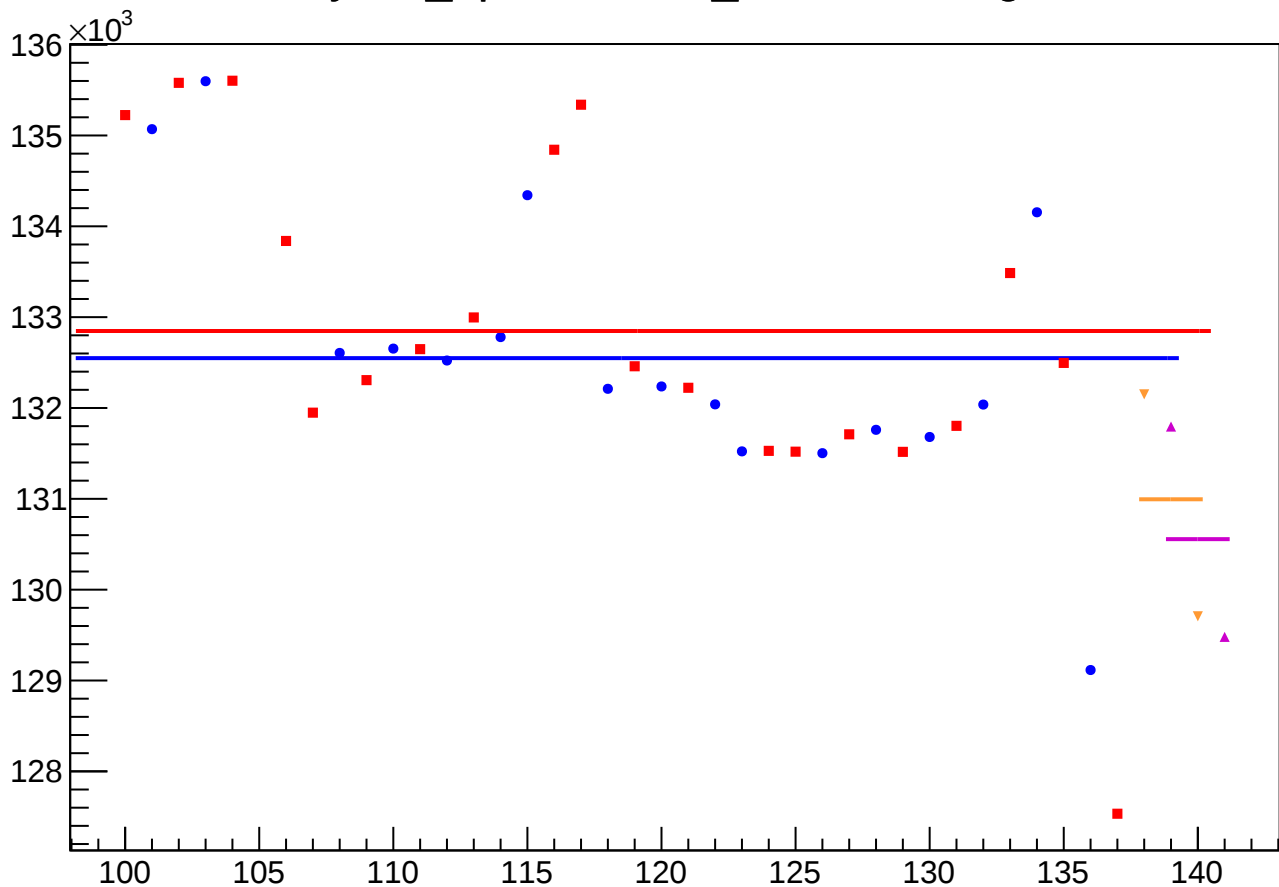
Right Out: 249.792+/-0.070 χ^2/NDF : 1022316.0/19

Left In: 244.619+/-0.146 χ^2/NDF :109677.0/1

243.580+/-0.063 χ^2/NDF : 1008534.4/18

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: 130994.937 $\pm$ 0.156 χ^2 /NDF: 61206135.9/1

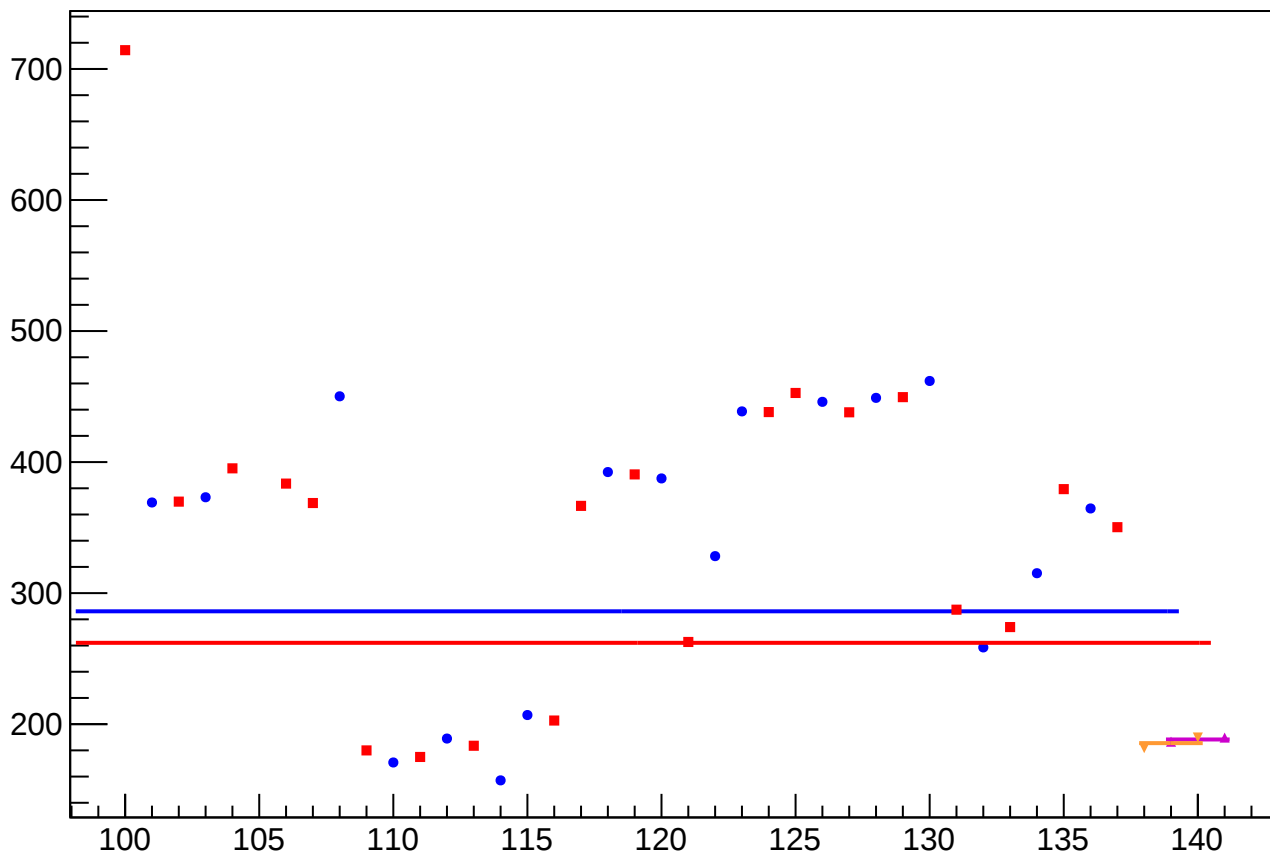
Right Out: 132847.502 $\pm$ 0.107 χ^2 /NDF: 151618589.4/19

Left In: 130556.247 $\pm$ 0.155 χ^2 /NDF: 55682171.7/1

131974.695 $\pm$ 0.095 χ^2 /NDF: 284938684.6/18

132107.249 $\pm$ 0.088 χ^2 /NDF: 355714835.2/21

yield_bpm0r05WS_rms vs Slug



Right In: 286.122+/-0.084 χ^2/NDF : 1525266.4/16

Left Out: 185.525+/-0.110 χ^2/NDF :1350.3/1

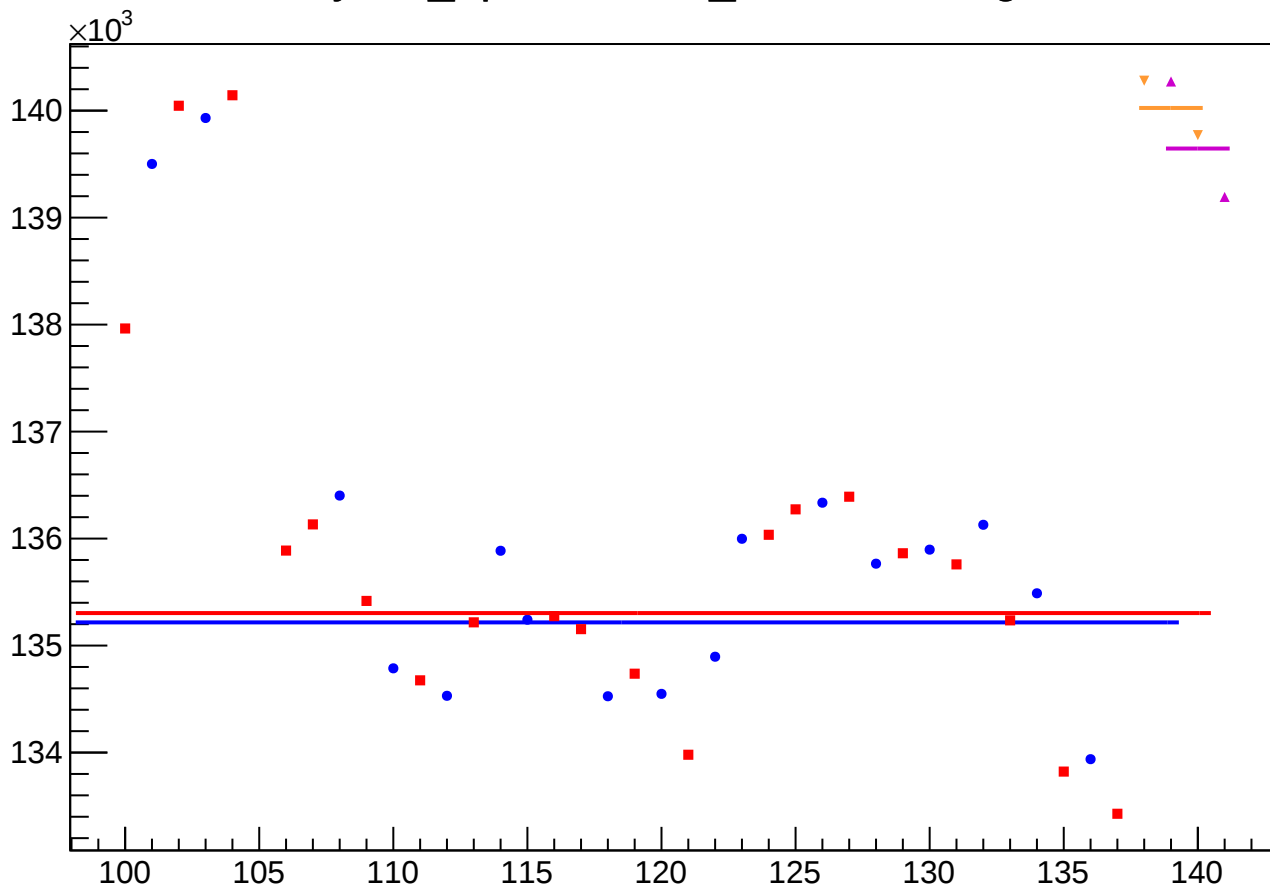
Right Out: 262.073+/-0.076 χ^2/NDF : 1630239.5/19

Left In: 188.310+/-0.109 χ^2/NDF :204.8/1

248.951+/-0.067 χ^2/NDF : 2051446.1/18

238.242+/-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: 140024.944 $\pm$ 0.144 χ^2/NDF : 3101396.6/1

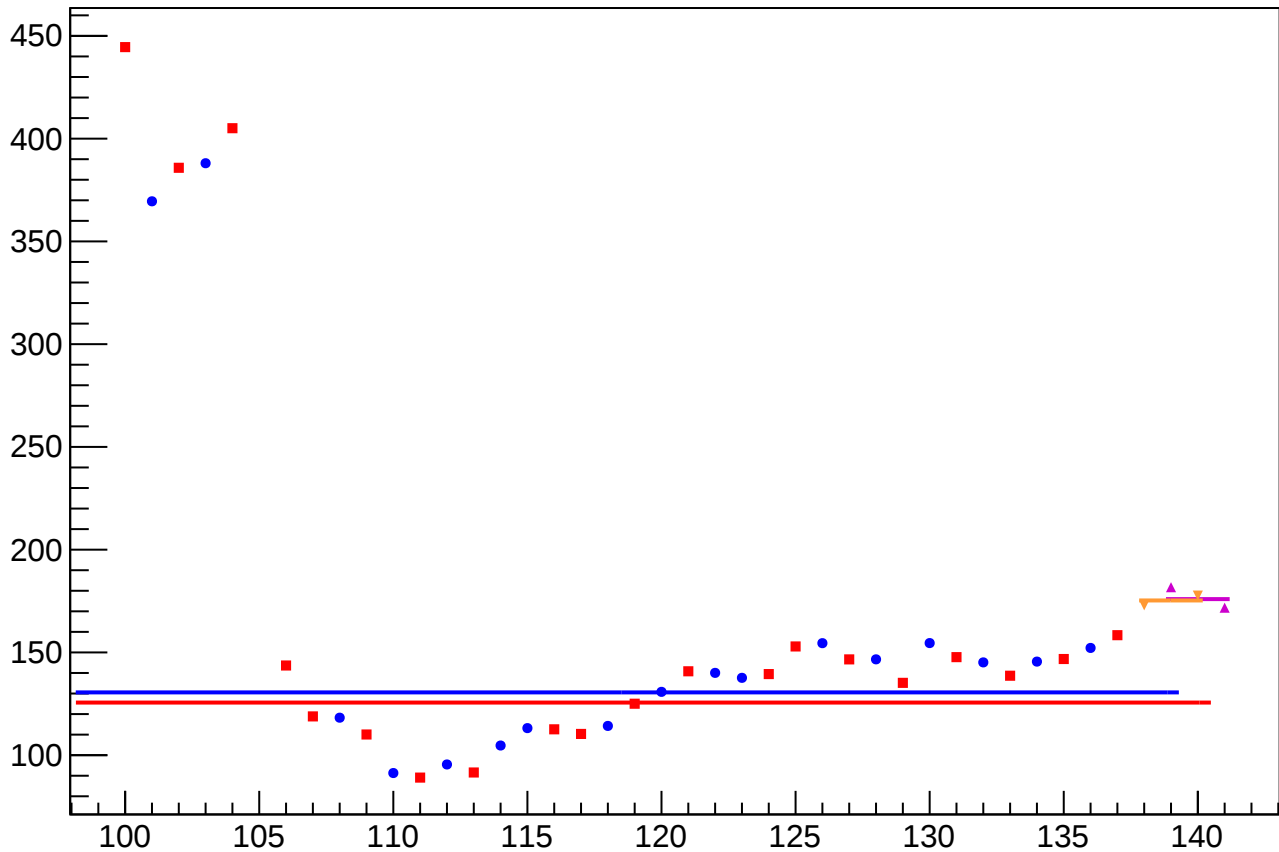
Right Out: 135303.736 $\pm$ 0.051 χ^2/NDF : 357717935.5/19

Left In: 139645.687 $\pm$ 0.143 χ^2/NDF : 13850404.1/1

135812.854 $\pm$ 0.051 χ^2/NDF : 1344827002.7/18

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: 175.289 $\pm$ 0.102 χ^2 /NDF:535.6/1

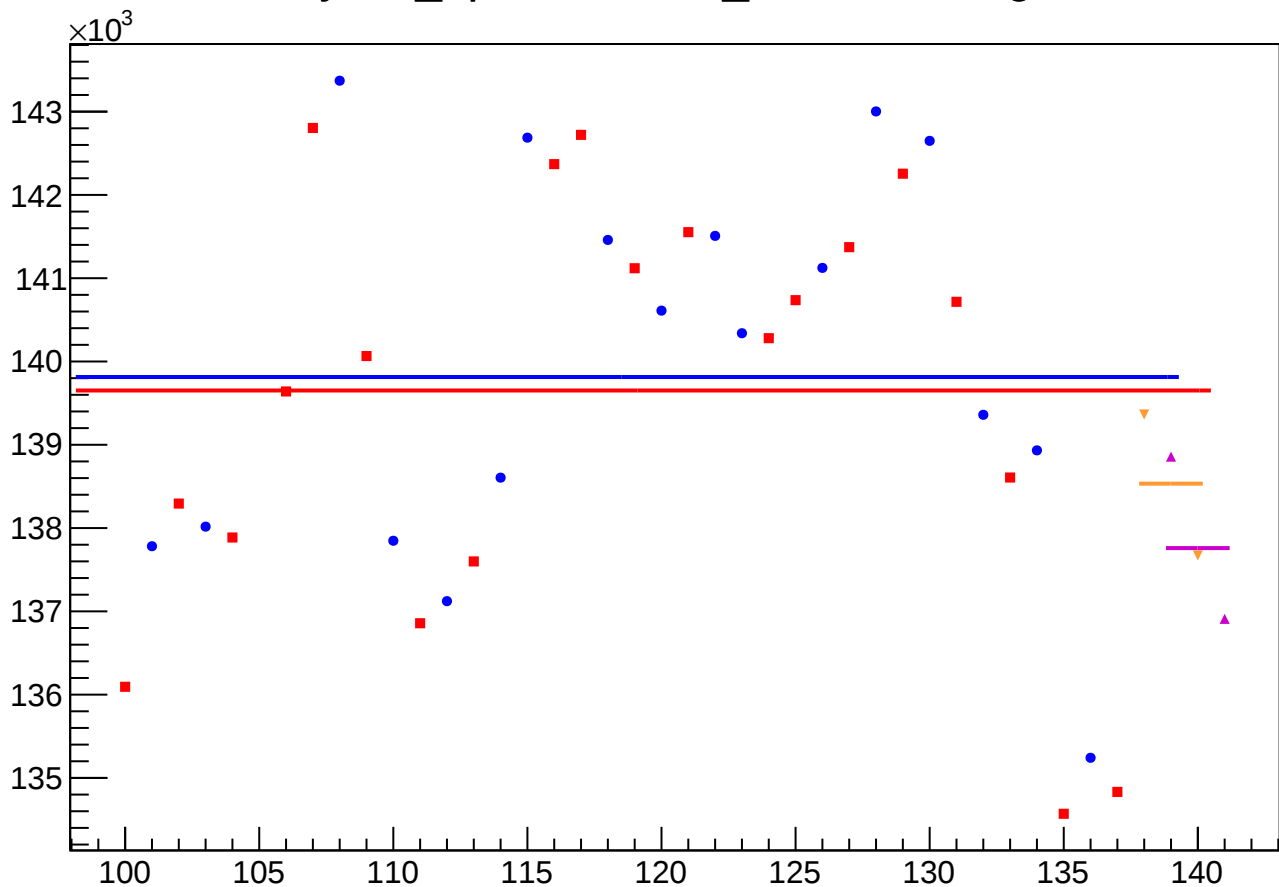
136.099 $\pm$ 0.036 χ^2 /NDF: 1541641.2/18

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: 138533.341 $\pm$ 0.142 χ^2 /NDF: 35356424.6/1

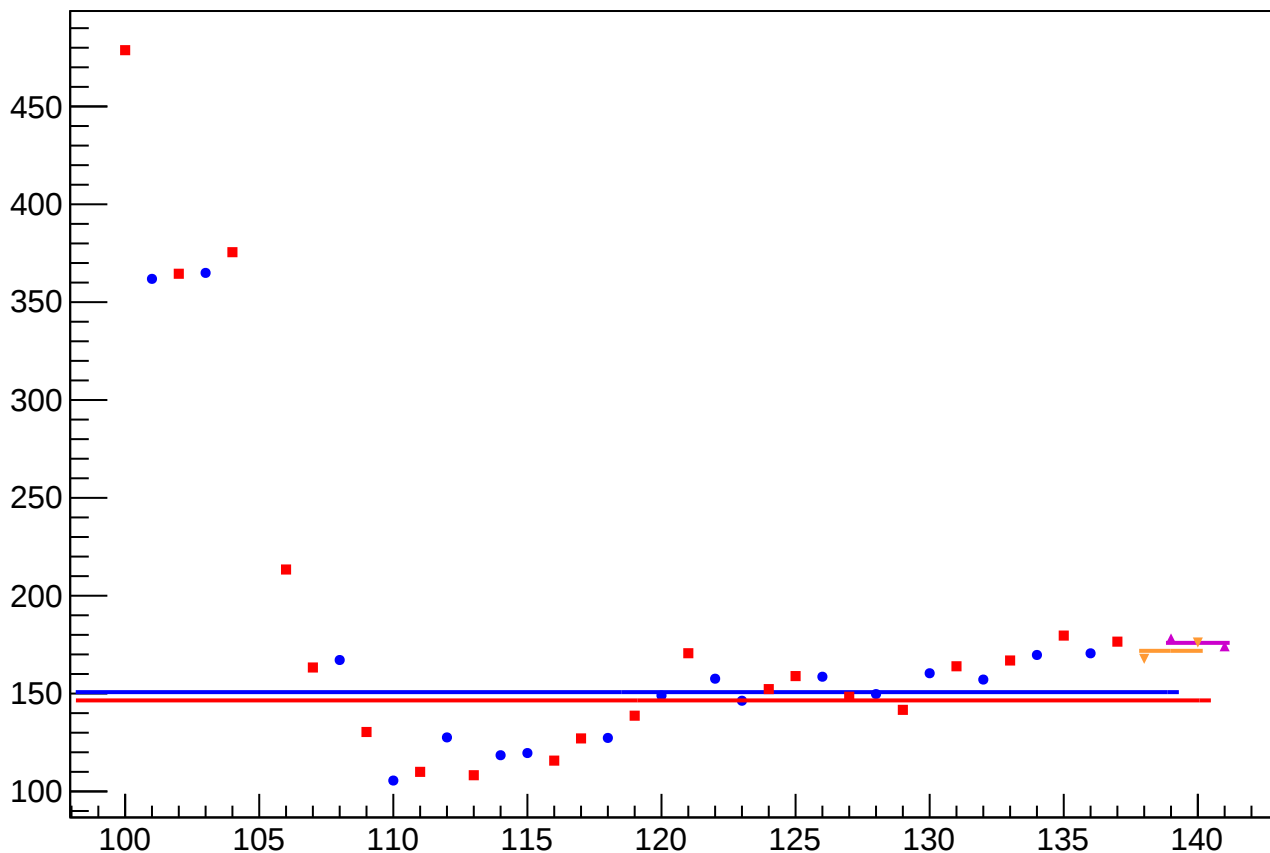
Right Out: 139651.821 $\pm$ 0.059 χ^2 /NDF: 1531019137.4/19

Left In: 137759.737 $\pm$ 0.143 χ^2 /NDF: 45483923.9/1

139609.790 $\pm$ 0.057 χ^2 /NDF: 1793296617.3/18

139379.243 $\pm$ 0.054 χ^2 /NDF: 1725935689.0/21

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733+/-0.044 χ^2/NDF : 1050071.6/16

Left Out: 171.840+/-0.101 χ^2/NDF :1716.8/1

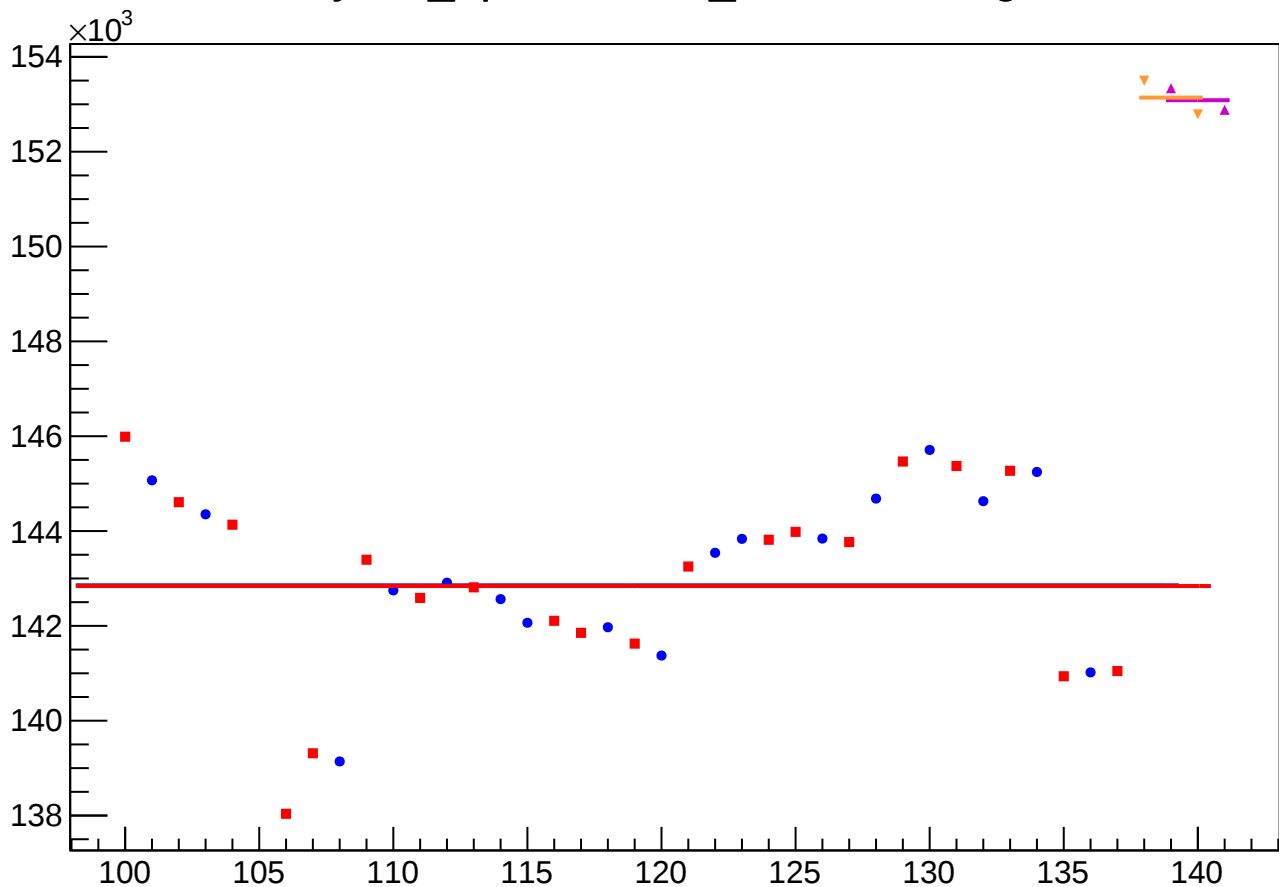
Right Out: 146.506+/-0.042 χ^2/NDF : 1205131.2/19

Left In: 175.912+/-0.101 χ^2/NDF :386.5/1

154.094+/-0.040 χ^2/NDF : 1088789.4/18

150.742+/-0.038 χ^2/NDF : 1277705.1/21

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 ± 0.065 $\chi^2/\text{NDF}: 740367386.5/16$

Left Out: 153141.295 ± 0.149 $\chi^2/\text{NDF}: 5657732.1/1$

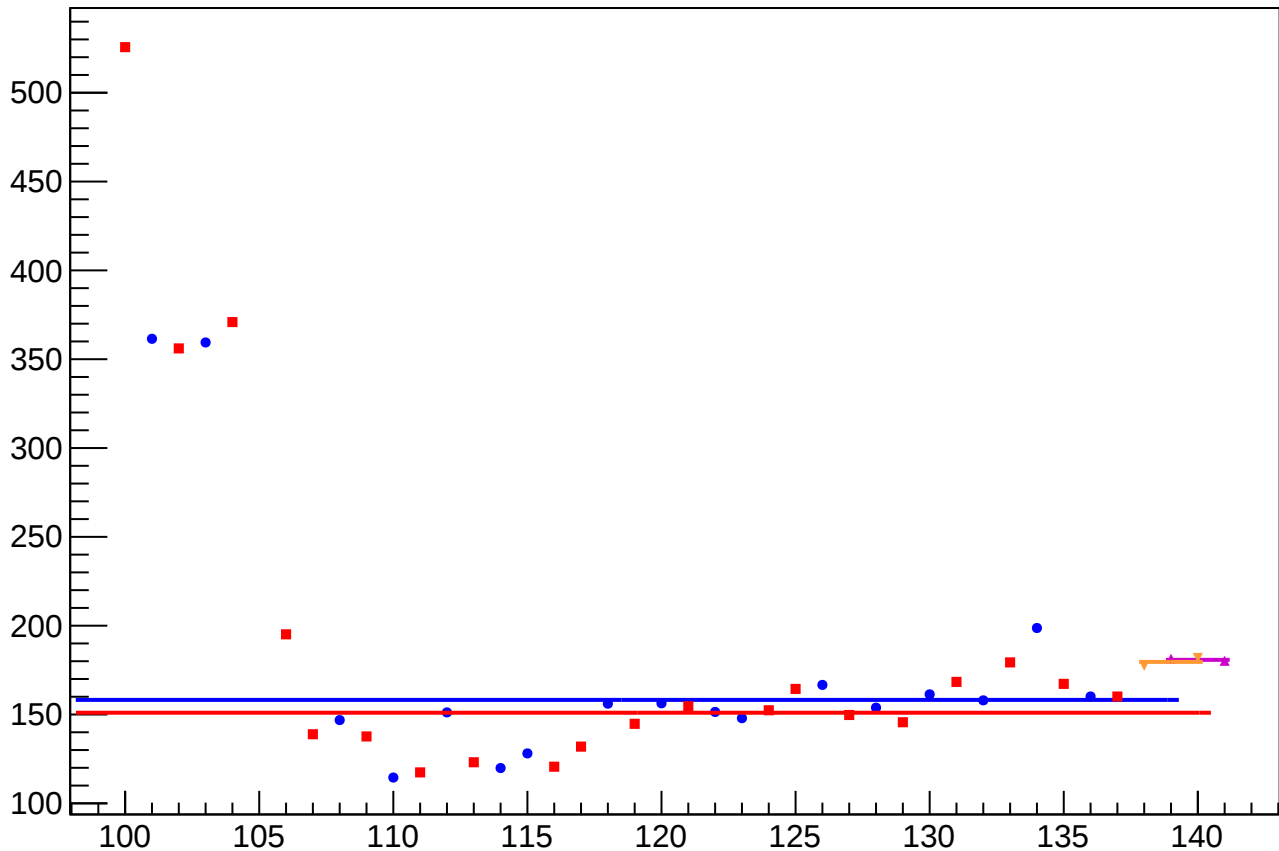
Right Out: 142840.509 ± 0.060 $\chi^2/\text{NDF}: 852484333.4/19$

Left In: 153085.845 ± 0.147 $\chi^2/\text{NDF}: 2346260.7/1$

144477.609 ± 0.059 $\chi^2/\text{NDF}: 4739903411.6/18$

144304.532 ± 0.056 $\chi^2/\text{NDF}: 5003741723.7/21$

yield_bpm0i05WS_rms vs Slug



Right In: 158.233+/-0.046 χ^2/NDF : 883513.4/16

Left Out: 179.620+/-0.106 χ^2/NDF : 442.4/1

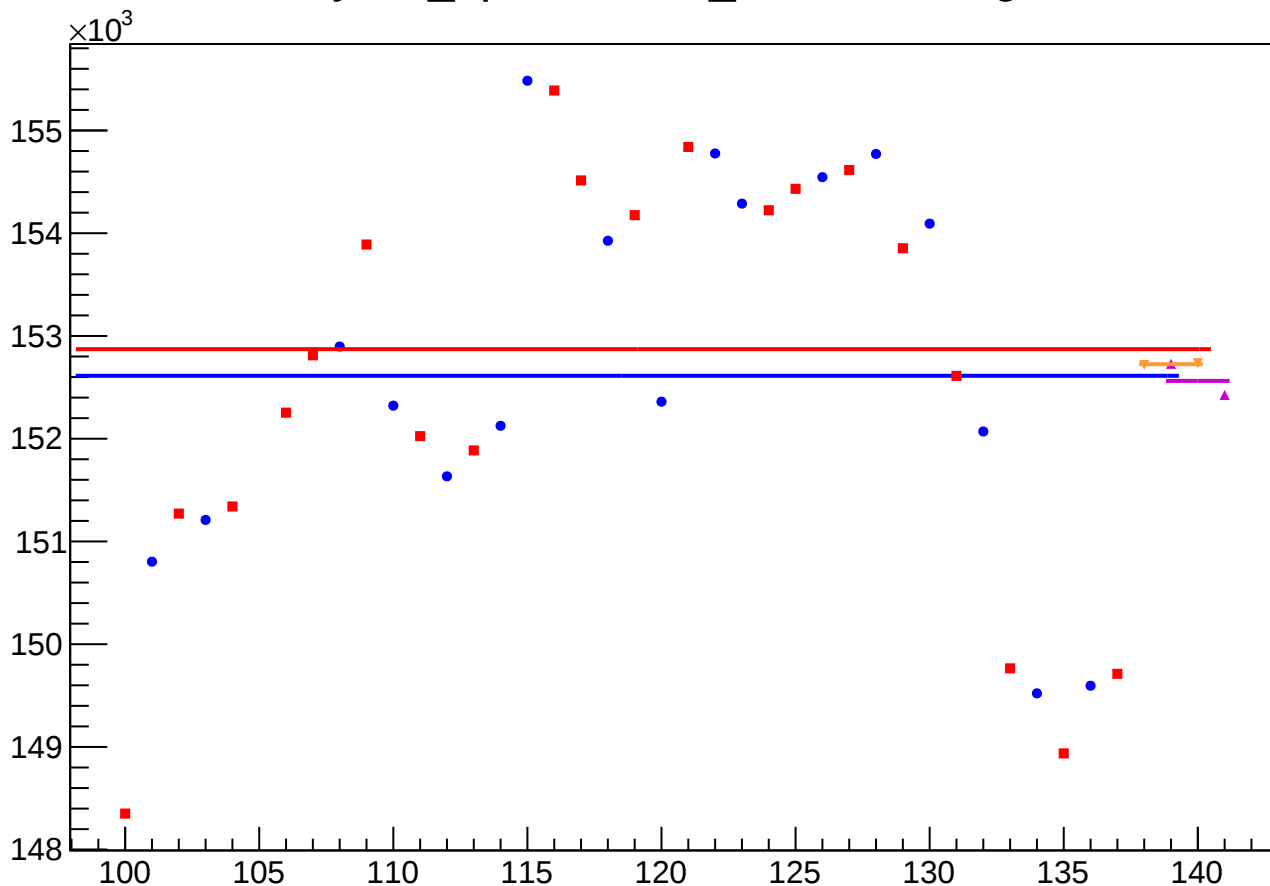
161.608+/-0.042 χ^2/NDF : 918483.7/18

Right Out: 151.003+/-0.043 χ^2/NDF : 1005104.9/19

155.257+/-0.039 χ^2/NDF : 1075195.4/21

Left In: 180.773+/-0.104 χ^2/NDF : 30.9/1

yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072 χ^2 /NDF: 621416187.4/16

Left Out: 152725.376 $\pm$ 0.146 χ^2 /NDF: 3301.7/1

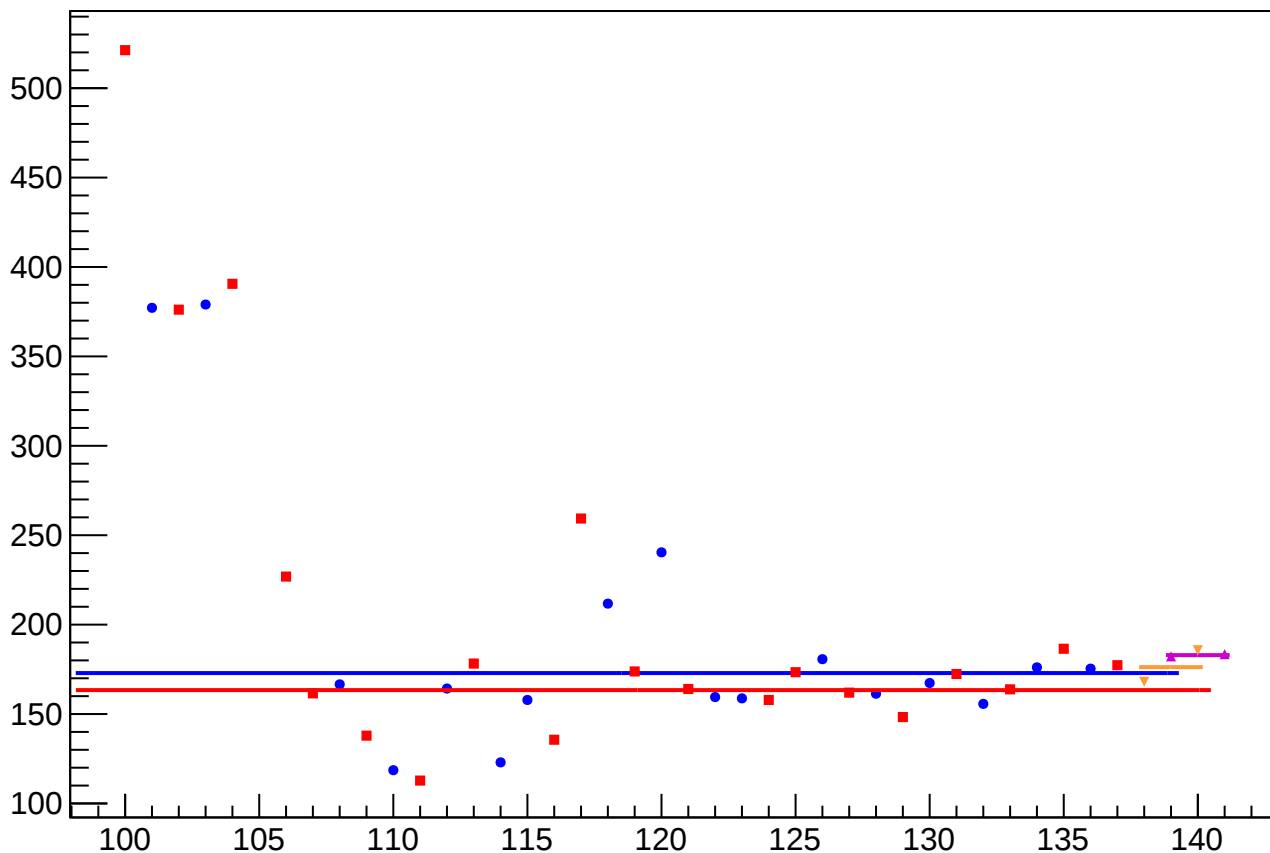
Right Out: 152871.618 $\pm$ 0.066 χ^2 /NDF: 720639345.6/19

Left In: 152562.695 $\pm$ 0.149 χ^2 /NDF: 1025465.4/1

152634.710 $\pm$ 0.065 χ^2 /NDF: 621898651.4/18

152820.716 $\pm$ 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: 176.222 ± 0.103 χ^2/NDF : 7240.0/1

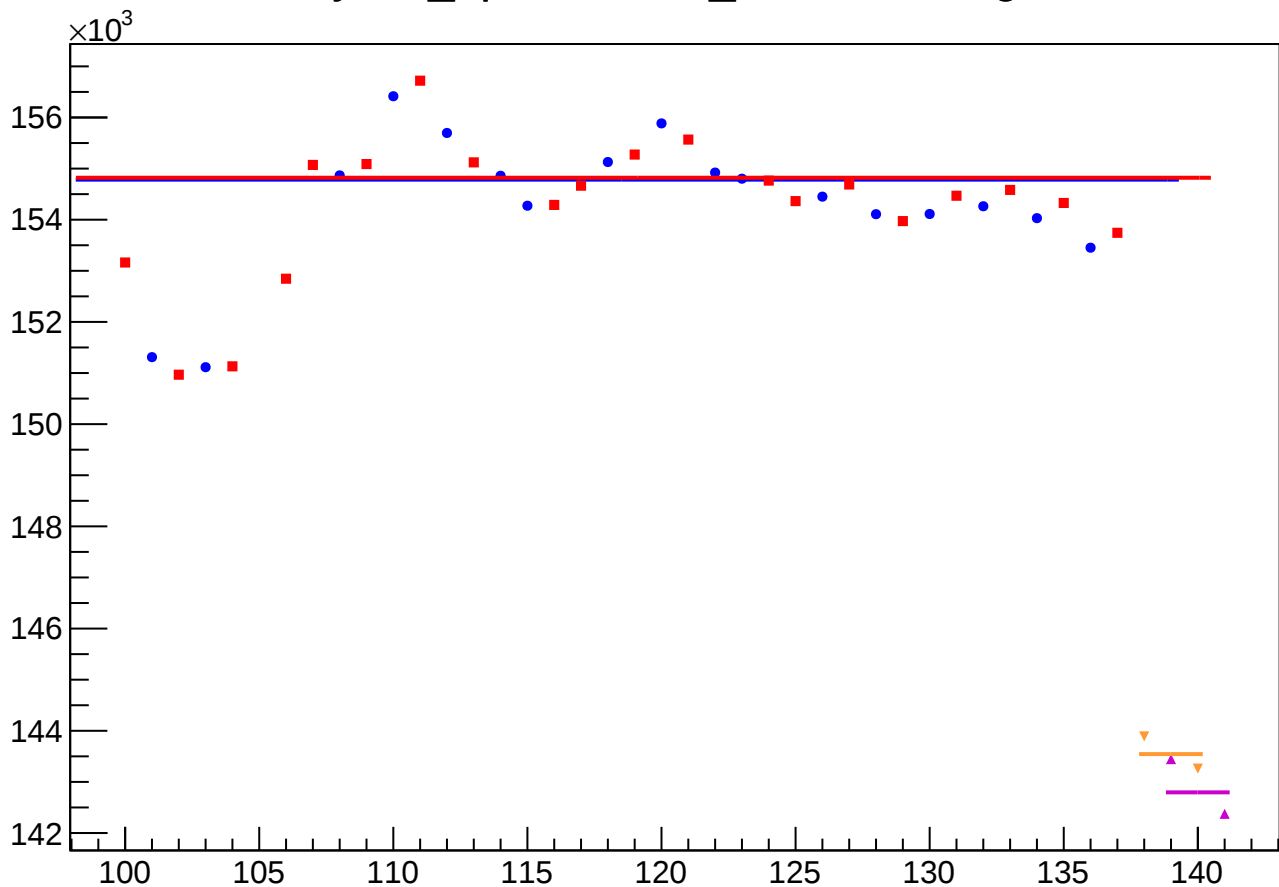
Right Out: 163.382 ± 0.047 χ^2/NDF : 1044431.2/19

Left In: 182.945 ± 0.105 χ^2/NDF : 33.9/1

173.568 ± 0.046 χ^2/NDF : 950014.8/18

166.605 ± 0.043 χ^2/NDF : 1073304.0/21

yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 $\pm$ 0.065 χ^2 /NDF: 265581398.0/16

Left Out: 143544.068 $\pm$ 0.140 χ^2 /NDF: 5001727.5/1

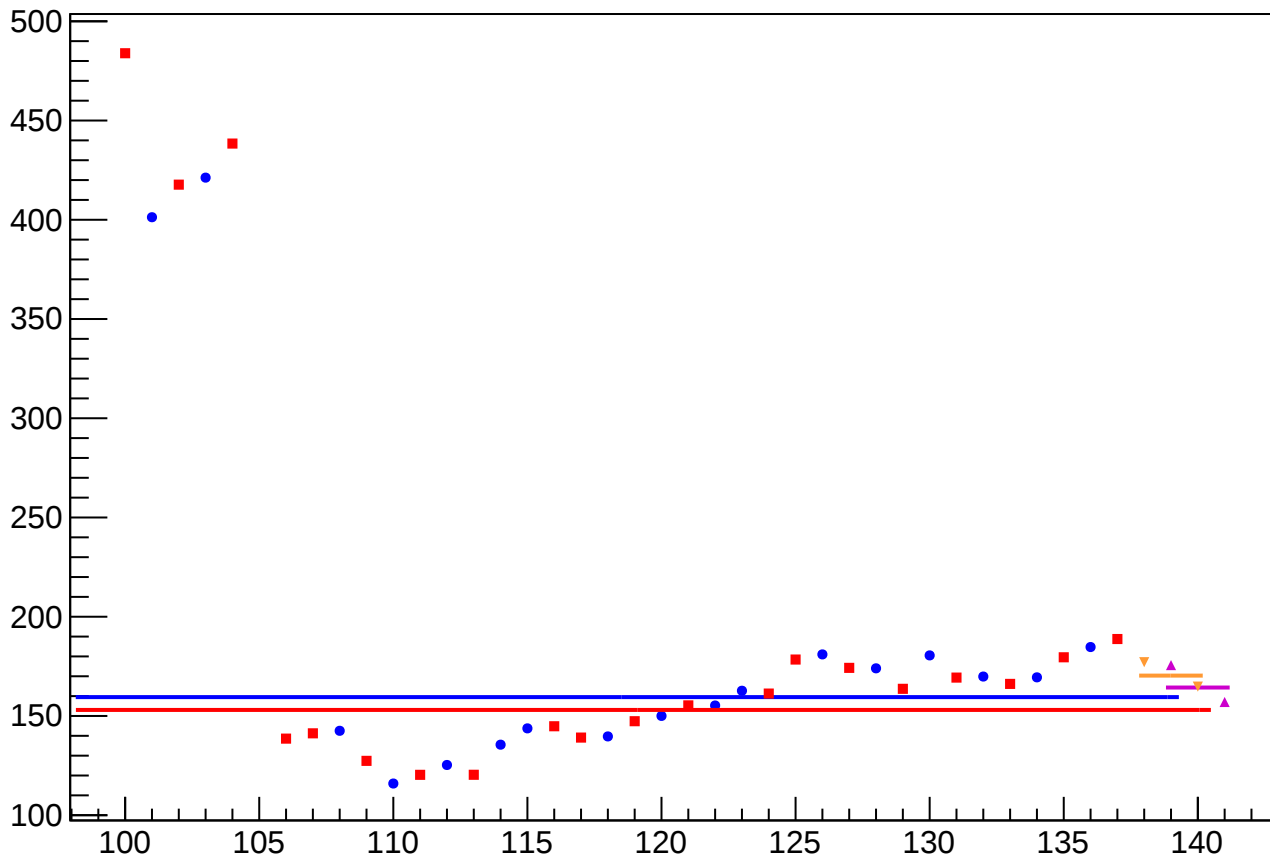
Right Out: 154820.824 $\pm$ 0.061 χ^2 /NDF: 293904936.4/19

Left In: 142795.598 $\pm$ 0.134 χ^2 /NDF: 15245703.5/1

152778.970 $\pm$ 0.059 χ^2 /NDF: 5544587630.9/18

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: 170.337 ± 0.099 χ^2/NDF : 3807.7/1

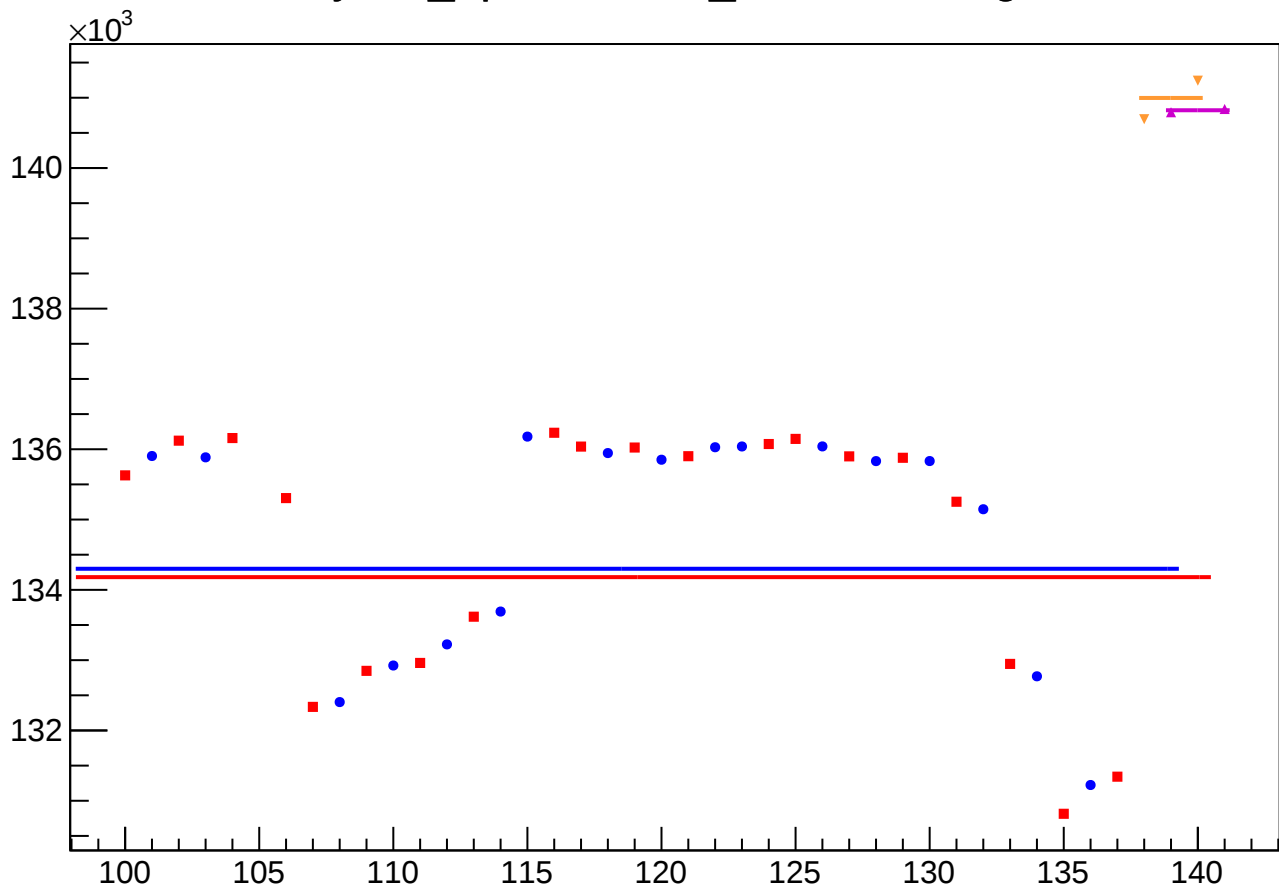
Right Out: 153.038 ± 0.043 χ^2/NDF : 1174616.4/19

Left In: 164.328 ± 0.095 χ^2/NDF : 9200.9/1

161.436 ± 0.042 χ^2/NDF : 1145451.2/18

154.962 ± 0.039 χ^2/NDF : 1195637.2/21

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 $\pm$ 0.050 χ^2 /NDF: 1149581803.2/16

Left Out: 140996.895 $\pm$ 0.136 χ^2 /NDF:4035554.8/1

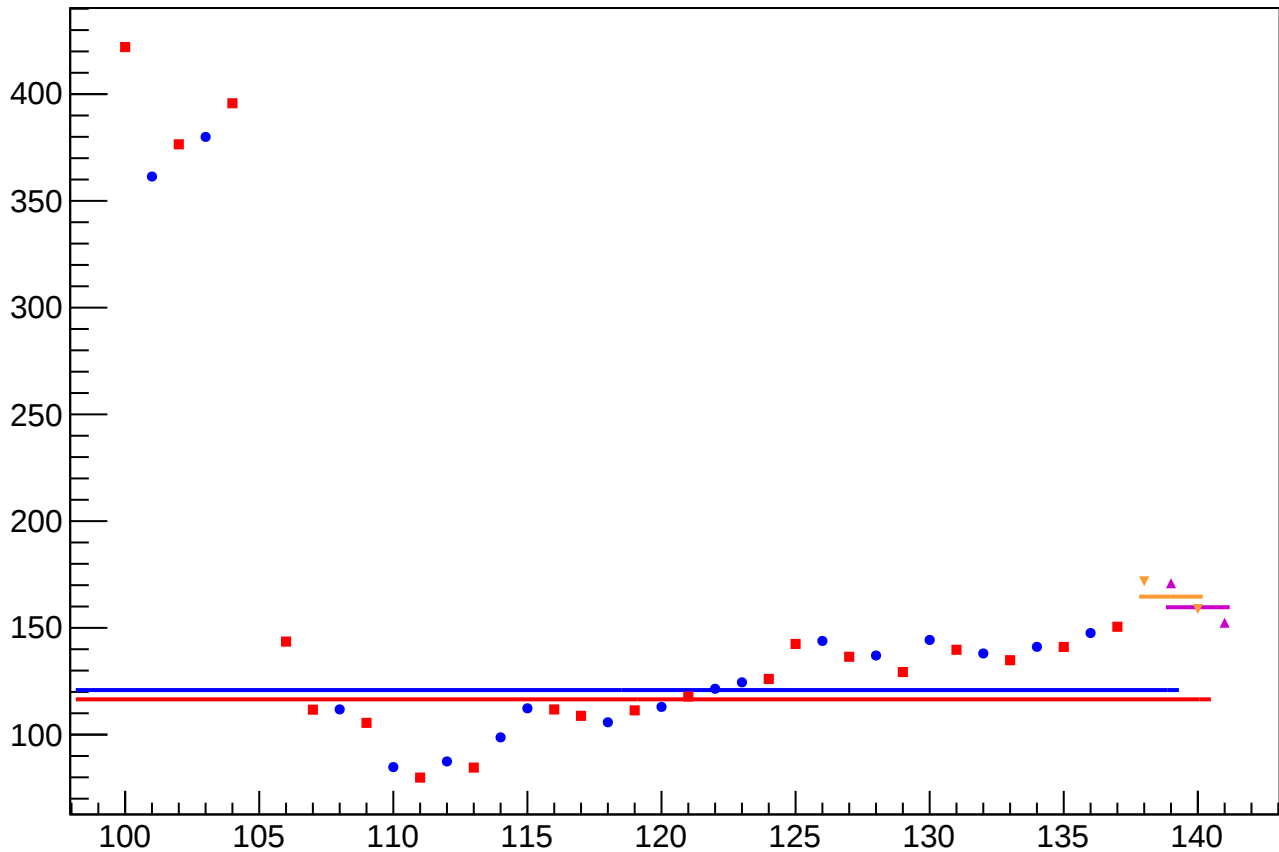
Right Out: 134180.888 $\pm$ 0.047 χ^2 /NDF: 1224202240.2/19

Left In: 140821.840 $\pm$ 0.130 χ^2 /NDF:30114.1/1

135110.304 $\pm$ 0.047 χ^2 /NDF: 3294742342.6/18

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: 164.630 $\pm$ 0.096 χ^2 /NDF: 4520.1/1

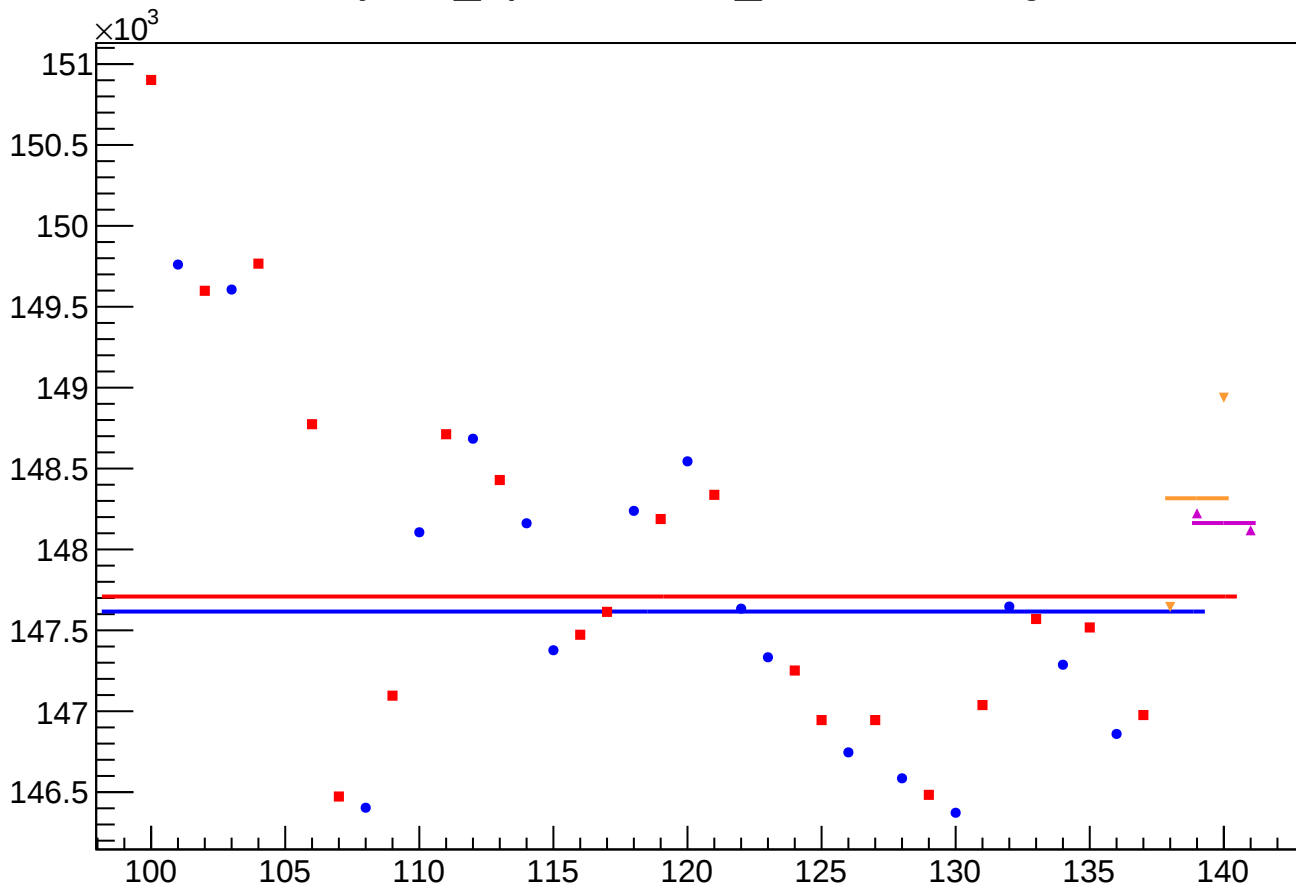
126.167 $\pm$ 0.033 χ^2 /NDF: 1651069.7/18

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: 148316.358 ± 0.163 $\chi^2/\text{NDF}: 15672276.2/1$

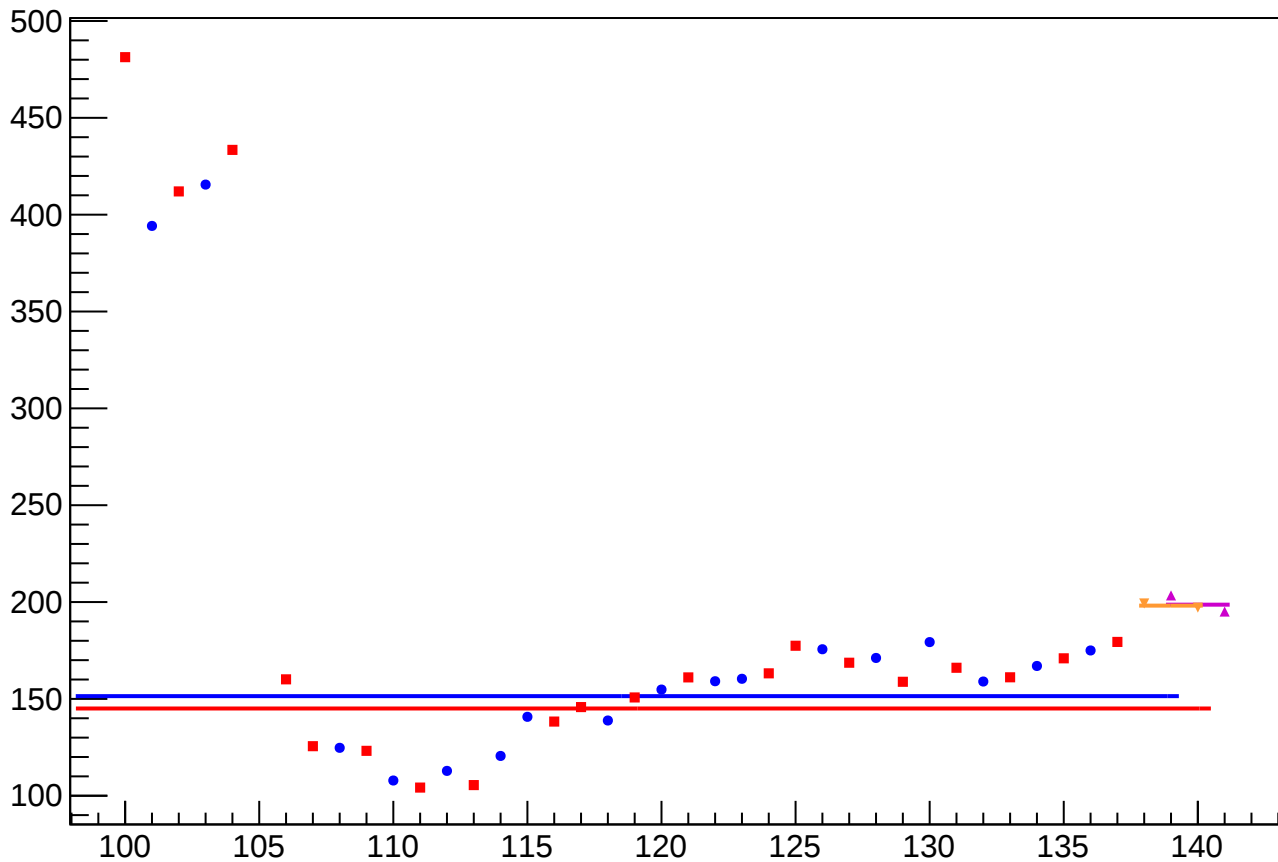
Right Out: 147709.096 ± 0.058 $\chi^2/\text{NDF}: 203924272.1/19$

Left In: 148163.322 ± 0.162 $\chi^2/\text{NDF}: 103172.1/1$

147705.667 ± 0.058 $\chi^2/\text{NDF}: 230990295.8/18$

147761.194 ± 0.055 $\chi^2/\text{NDF}: 211029542.4/21$

yield_bpm1i06WS_rms vs Slug



Right In: 151.424+/-0.044 χ^2/NDF : 1257843.0/16

Left Out: 198.159+/-0.115 χ^2/NDF :86.5/1

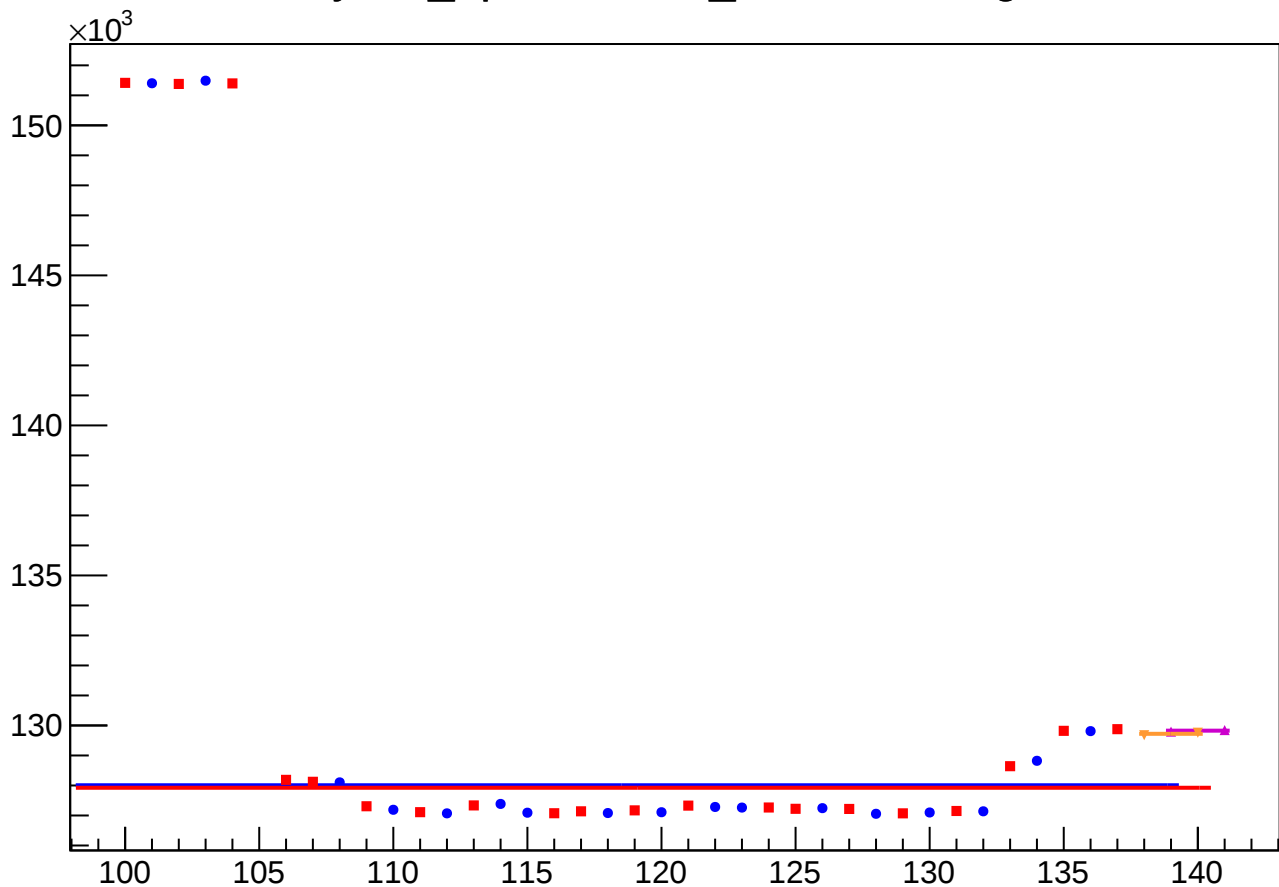
157.399+/-0.041 χ^2/NDF : 1400973.2/18

Right Out: 145.044+/-0.041 χ^2/NDF : 1375974.1/19

151.193+/-0.039 χ^2/NDF : 1572319.6/21

Left In: 198.650+/-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: 129721.845 $\pm$ 0.139 χ^2 /NDF: 90207.3/1

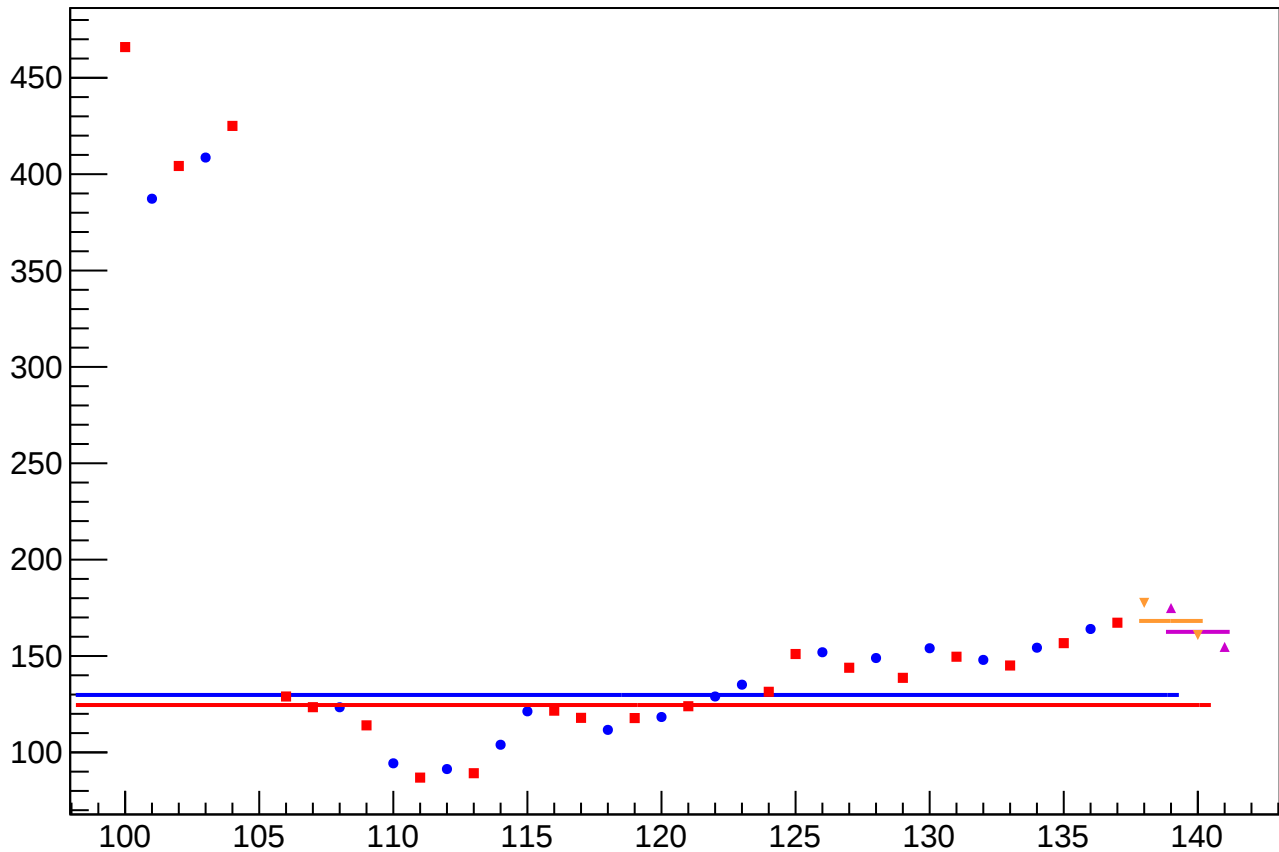
Right Out: 127923.940 $\pm$ 0.050 χ^2 /NDF: 3770107280.1/19

Left In: 129826.848 $\pm$ 0.132 χ^2 /NDF: 35846.0/1

128234.106 $\pm$ 0.050 χ^2 /NDF: 4452581763.7/18

128163.212 $\pm$ 0.047 χ^2 /NDF: 3950937966.9/21

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 $\pm$ 0.038 χ^2 /NDF: 1485294.2/16

Left Out: 168.195 $\pm$ 0.098 χ^2 /NDF: 7125.7/1

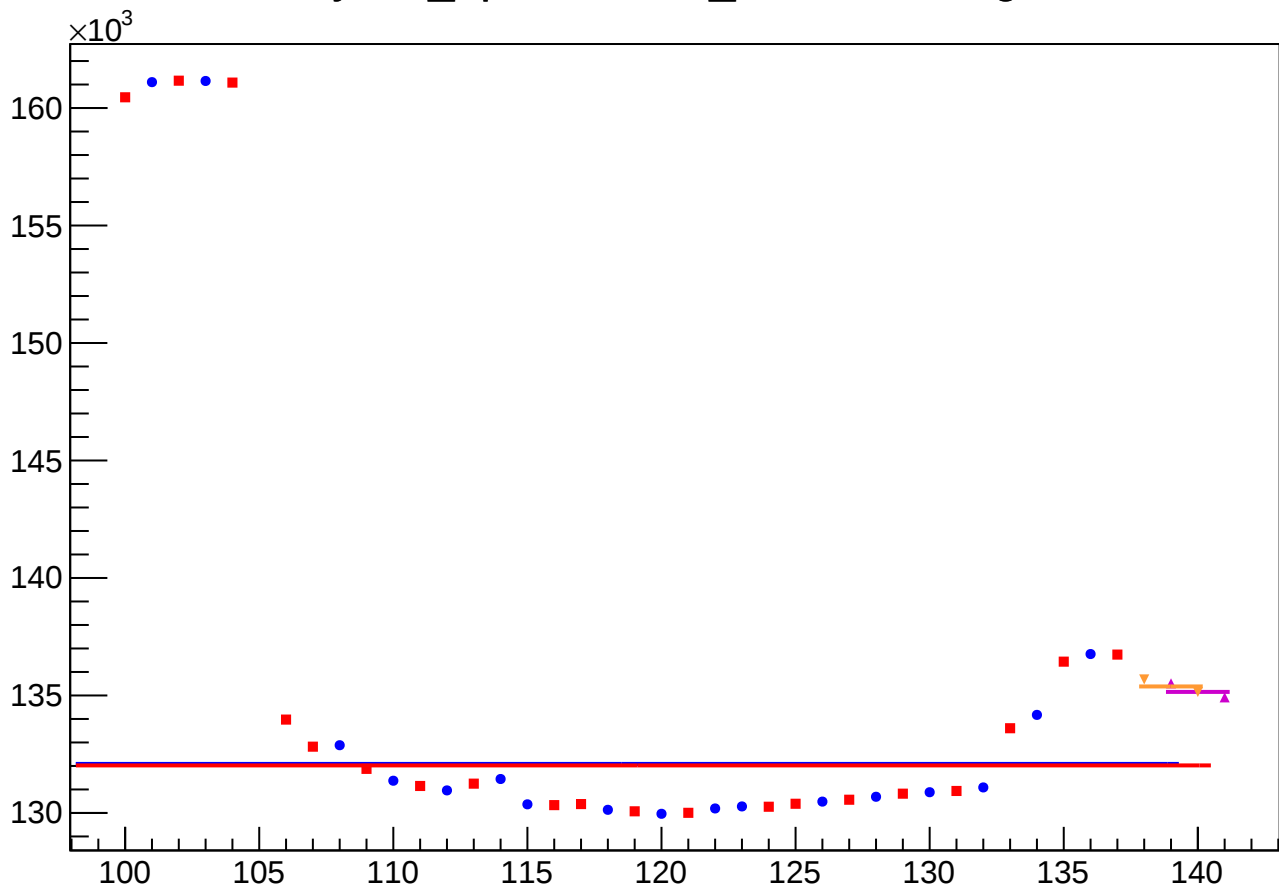
134.874 $\pm$ 0.036 χ^2 /NDF: 1625553.9/18

Right Out: 124.572 $\pm$ 0.035 χ^2 /NDF: 1532105.0/19

129.345 $\pm$ 0.033 χ^2 /NDF: 1687010.8/21

Left In: 162.531 $\pm$ 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: 135383.769 $\pm$ 0.144 χ^2 /NDF: 3395843.8/1

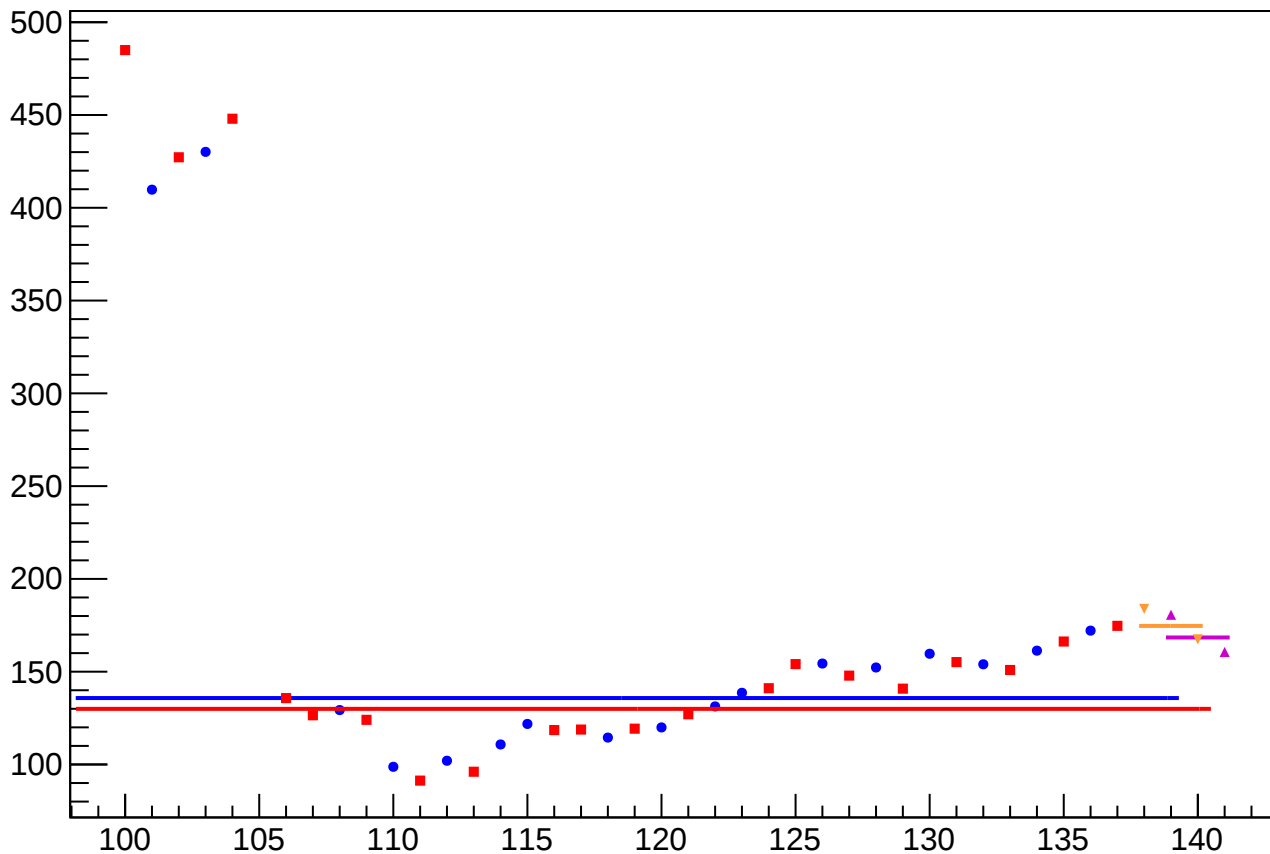
Right Out: 132023.609 $\pm$ 0.052 χ^2 /NDF: 5890492527.2/19

Left In: 135151.413 $\pm$ 0.137 χ^2 /NDF: 4494462.7/1

132527.336 $\pm$ 0.053 χ^2 /NDF: 7191215188.9/18

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: 174.664 $\pm$ 0.102 χ^2 /NDF:6419.4/1

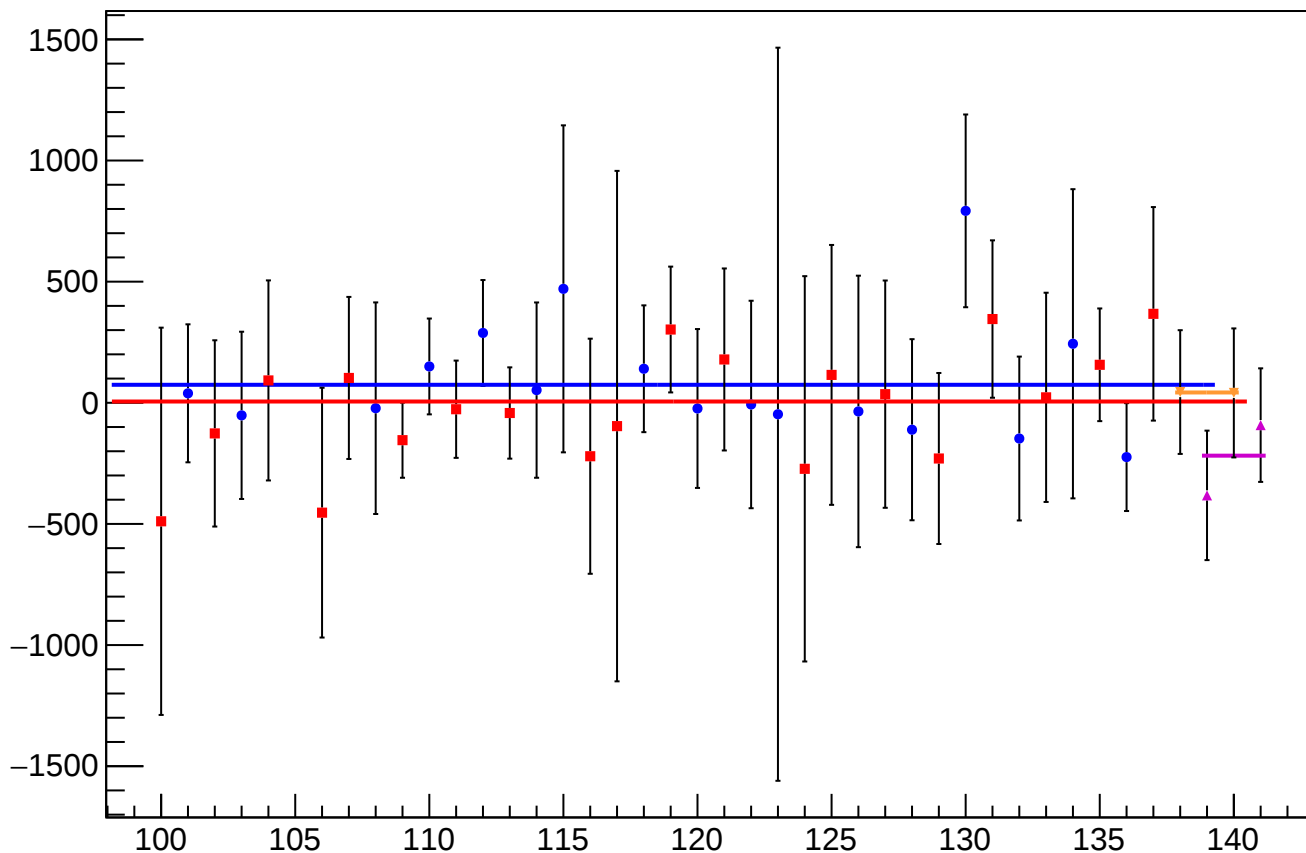
Right Out: 129.975 $\pm$ 0.037 χ^2 /NDF: 1504768.0/19

Left In: 168.434 $\pm$ 0.097 χ^2 /NDF:10174.9/1

140.990 $\pm$ 0.037 χ^2 /NDF: 1574679.7/18

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: 42.604+/-184.309 χ^2/NDF : 0.0/1

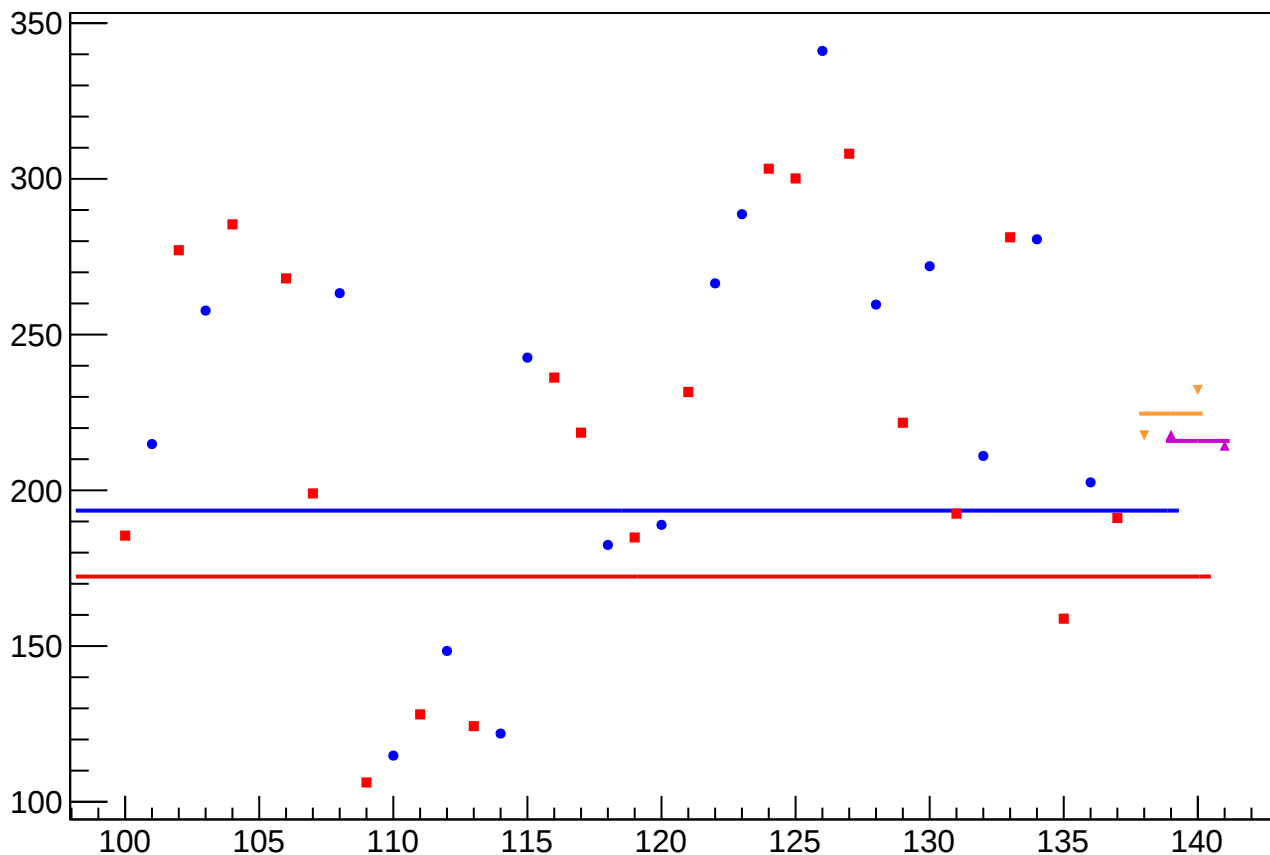
Right Out: 5.290+/-69.914 χ^2/NDF : 7.1/19

Left In: -218.233+/-176.194 χ^2/NDF : 0.7/1

69.374+/-72.625 χ^2/NDF : 7.7/18

-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: 224.631+/-0.130 χ^2/NDF :3119.0/1

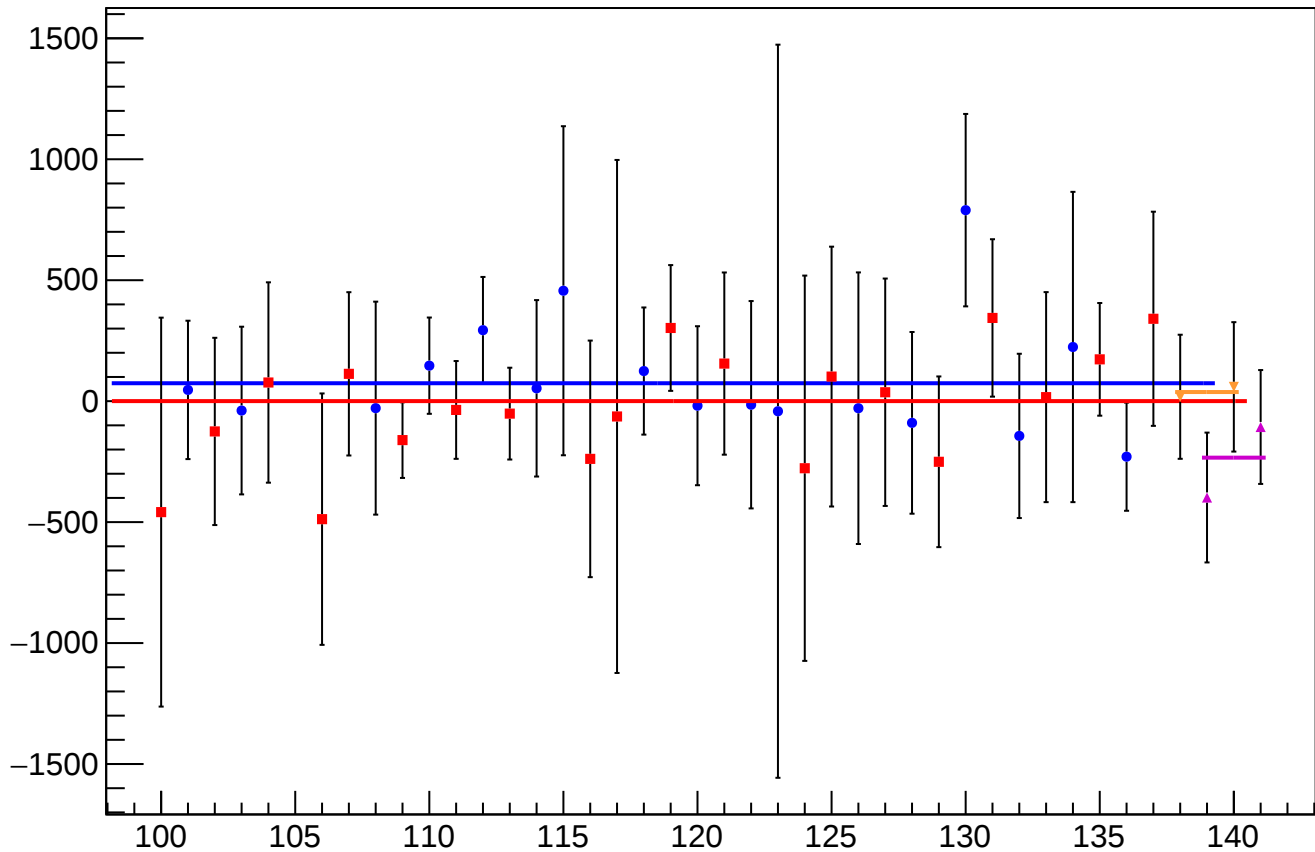
Right Out: 172.327+/-0.049 χ^2/NDF : 1583701.4/19

Left In: 215.862+/-0.125 χ^2/NDF :191.0/1

198.323+/-0.051 χ^2/NDF : 1068550.7/18

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: 37.753 ± 185.124 χ^2/NDF : 0.0/1

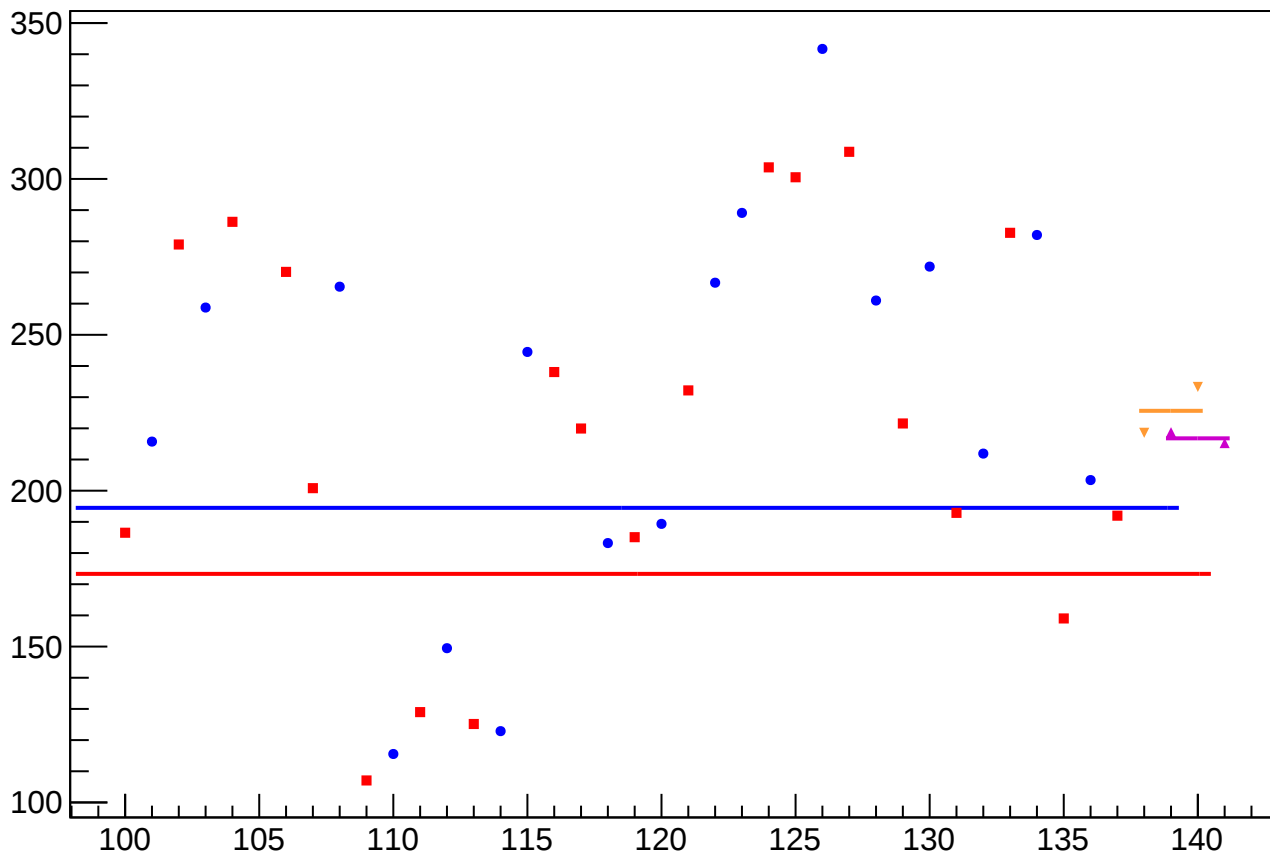
Right Out: 0.223 ± 70.282 χ^2/NDF : 7.3/19

Left In: -233.549 ± 176.955 χ^2/NDF : 0.7/1

68.450 ± 72.974 χ^2/NDF : 7.6/18

-31.629 ± 65.318 χ^2/NDF : 9.5/21

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496+/-0.056 χ^2/NDF : 1008514.7/16

Left Out: 225.619+/-0.131 χ^2/NDF :3151.7/1

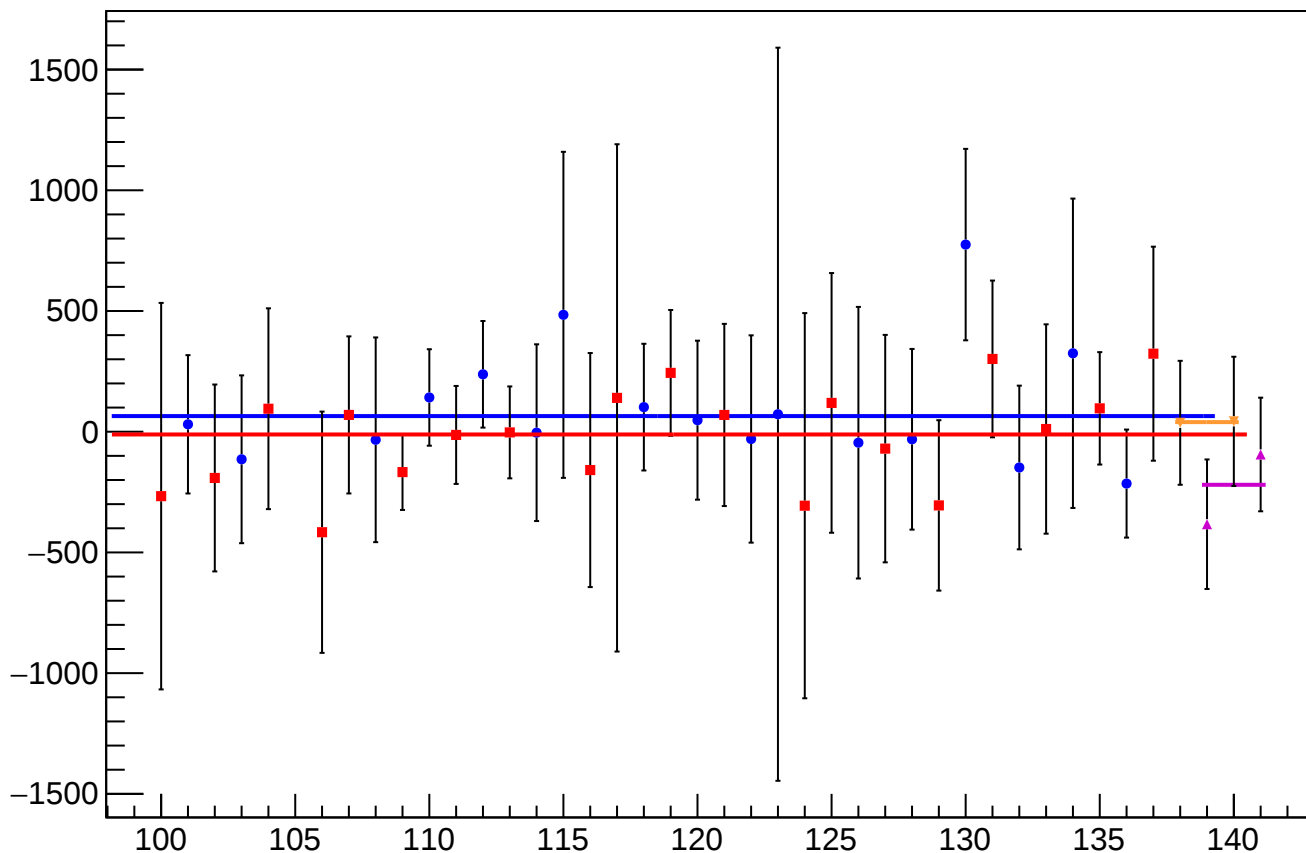
Right Out: 173.317+/-0.050 χ^2/NDF : 1571258.4/19

Left In: 216.792+/-0.125 χ^2/NDF :191.9/1

199.332+/-0.052 χ^2/NDF : 1059410.3/18

179.241+/-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: 39.793+/-185.234 χ^2/NDF : 0.0/1

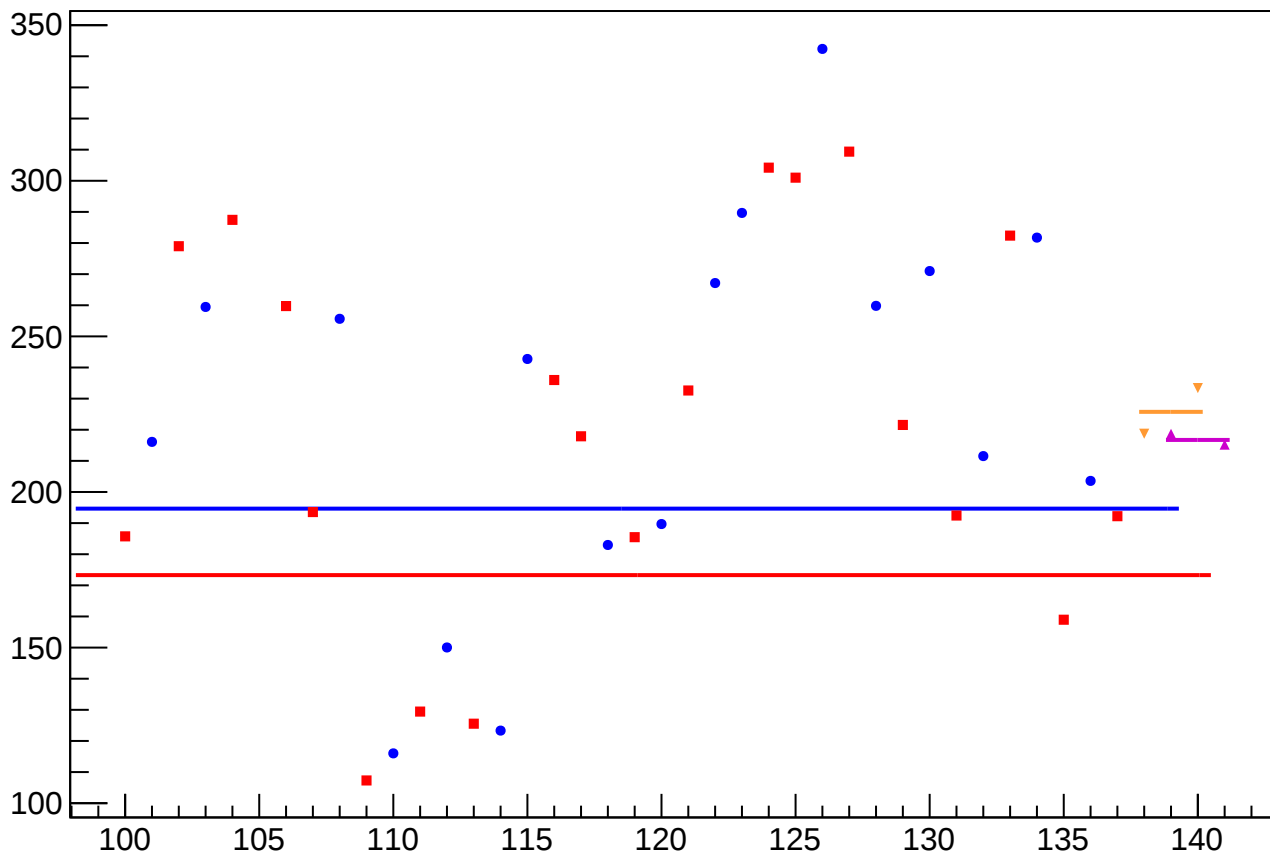
Right Out: -11.414+/-70.204 χ^2/NDF : 5.8/19

Left In: -219.891+/-176.898 χ^2/NDF : 0.7/1

60.862+/-72.977 χ^2/NDF : 7.0/18

-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: 225.752+/-0.131 χ^2/NDF : 3130.5/1

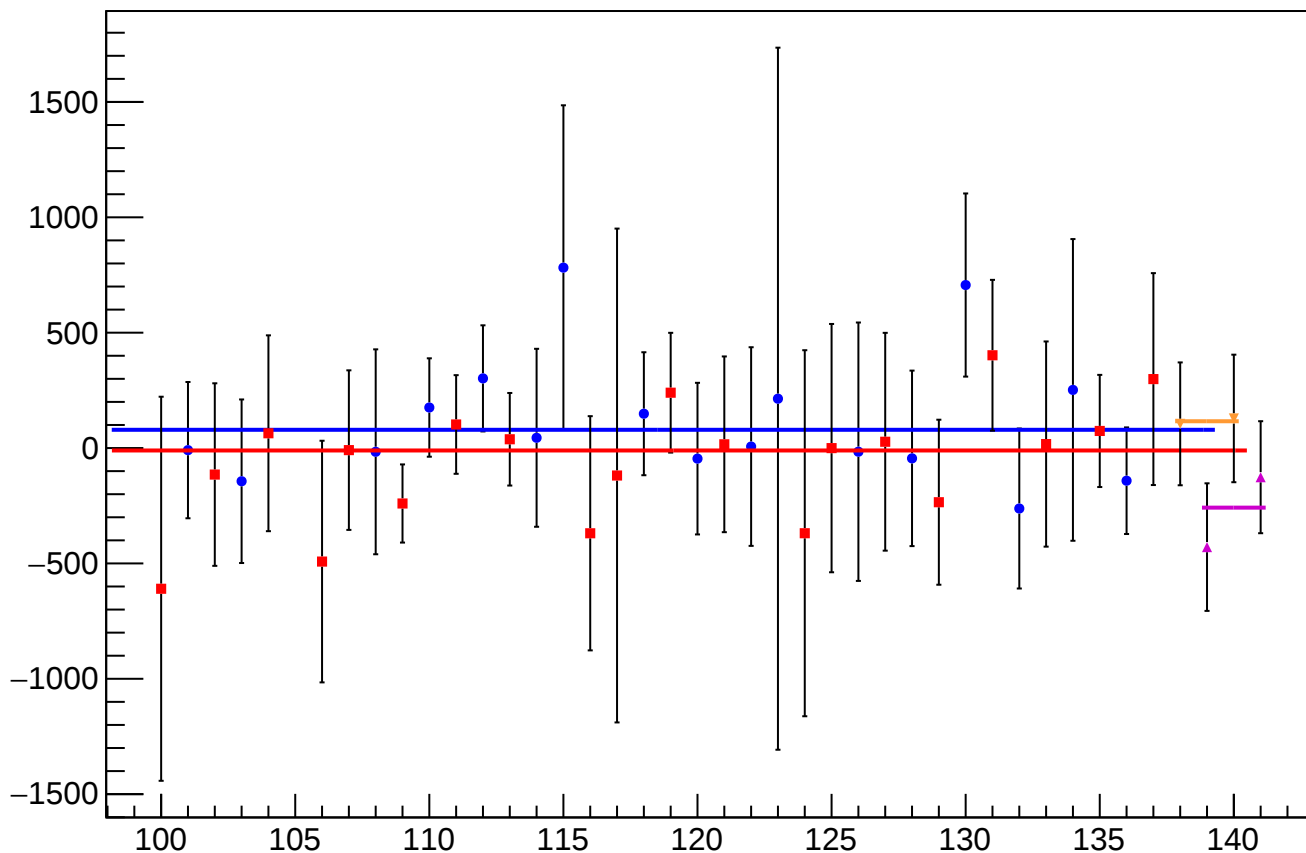
Right Out: 173.289+/-0.050 χ^2/NDF : 1548162.6/19

Left In: 216.727+/-0.125 χ^2/NDF : 189.0/1

199.479+/-0.052 χ^2/NDF : 1037556.5/18

179.199+/-0.046 χ^2/NDF : 1652534.3/21

asym_bcm_dg_us_mean vs Slug



Right In: 79.128+/-81.874 χ^2/NDF : 7.5/16

Left Out: 116.182+/-191.731 χ^2/NDF : 0.0/1

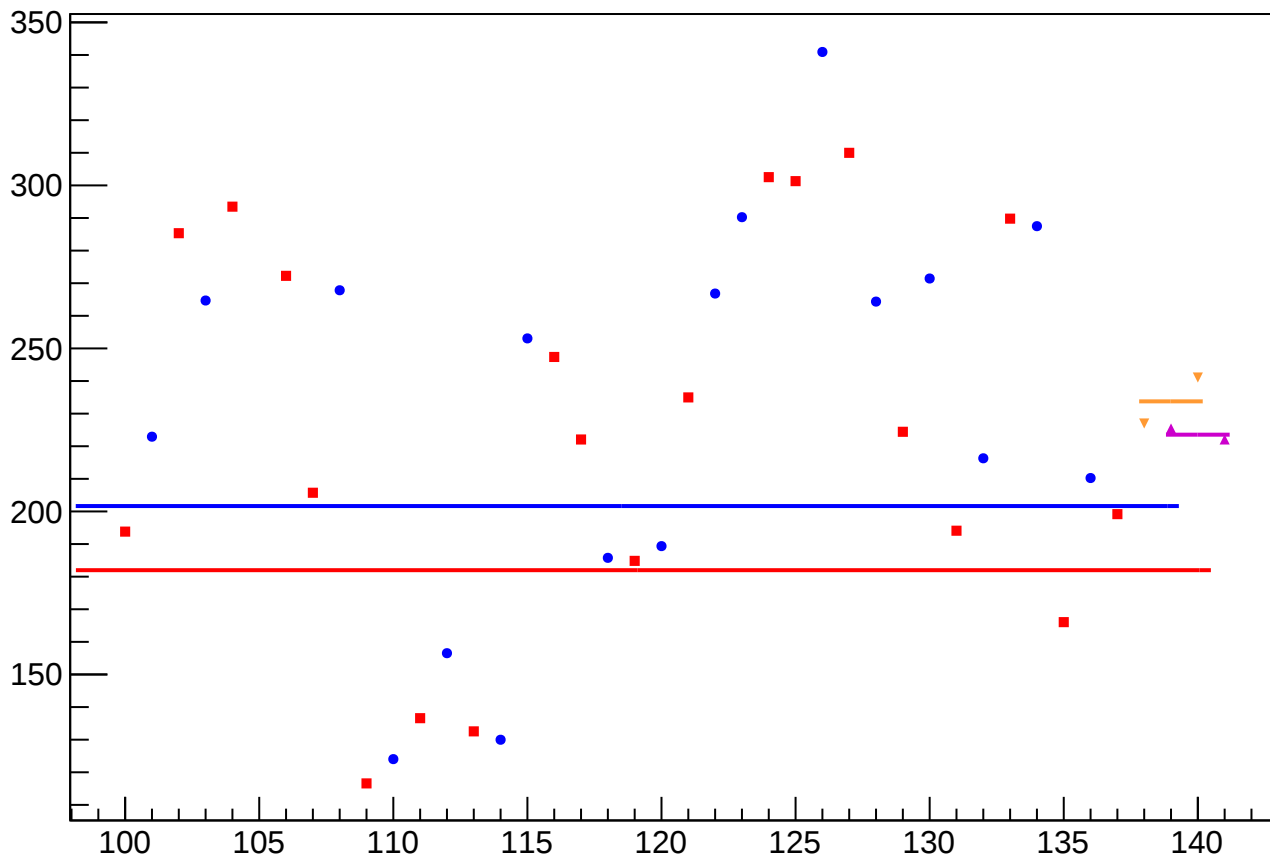
Right Out: -10.491+/-73.139 χ^2/NDF : 7.9/19

Left In: -258.232+/-182.402 χ^2/NDF : 0.7/1

84.843+/-75.297 χ^2/NDF : 7.6/18

-44.806+/-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: 233.762 $\pm$ 0.136 χ^2 /NDF:2702.1/1

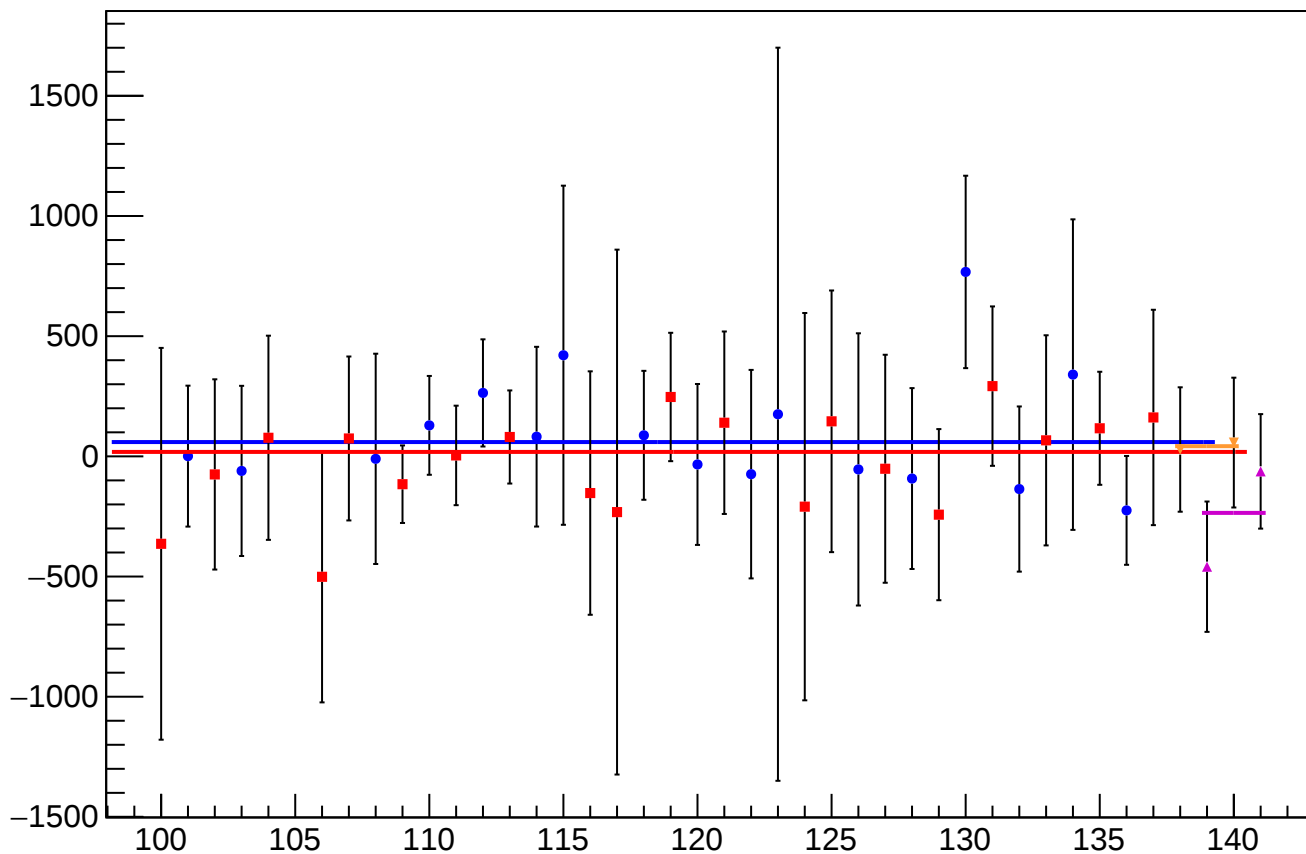
Right Out: 181.986 $\pm$ 0.052 χ^2 /NDF: 1380269.0/19

Left In: 223.546 $\pm$ 0.129 χ^2 /NDF:168.3/1

206.606 $\pm$ 0.053 χ^2 /NDF: 933318.9/18

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: 42.290+/-186.854 χ^2/NDF : 0.0/1

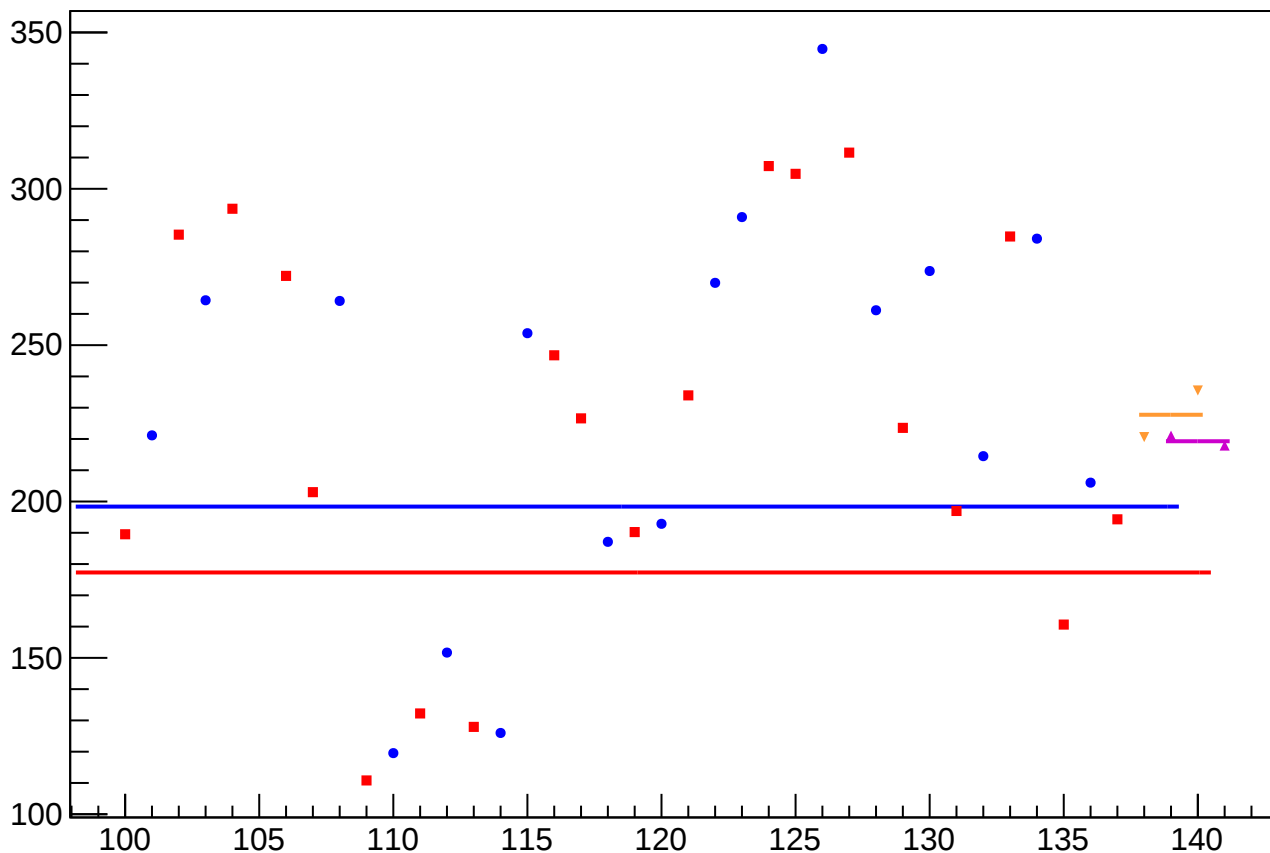
Right Out: 18.457+/-71.711 χ^2/NDF : 4.8/19

Left In: -235.197+/-178.957 χ^2/NDF : 1.2/1

56.785+/-74.170 χ^2/NDF : 7.0/18

-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: 227.742+/-0.132 χ^2/NDF :3176.5/1

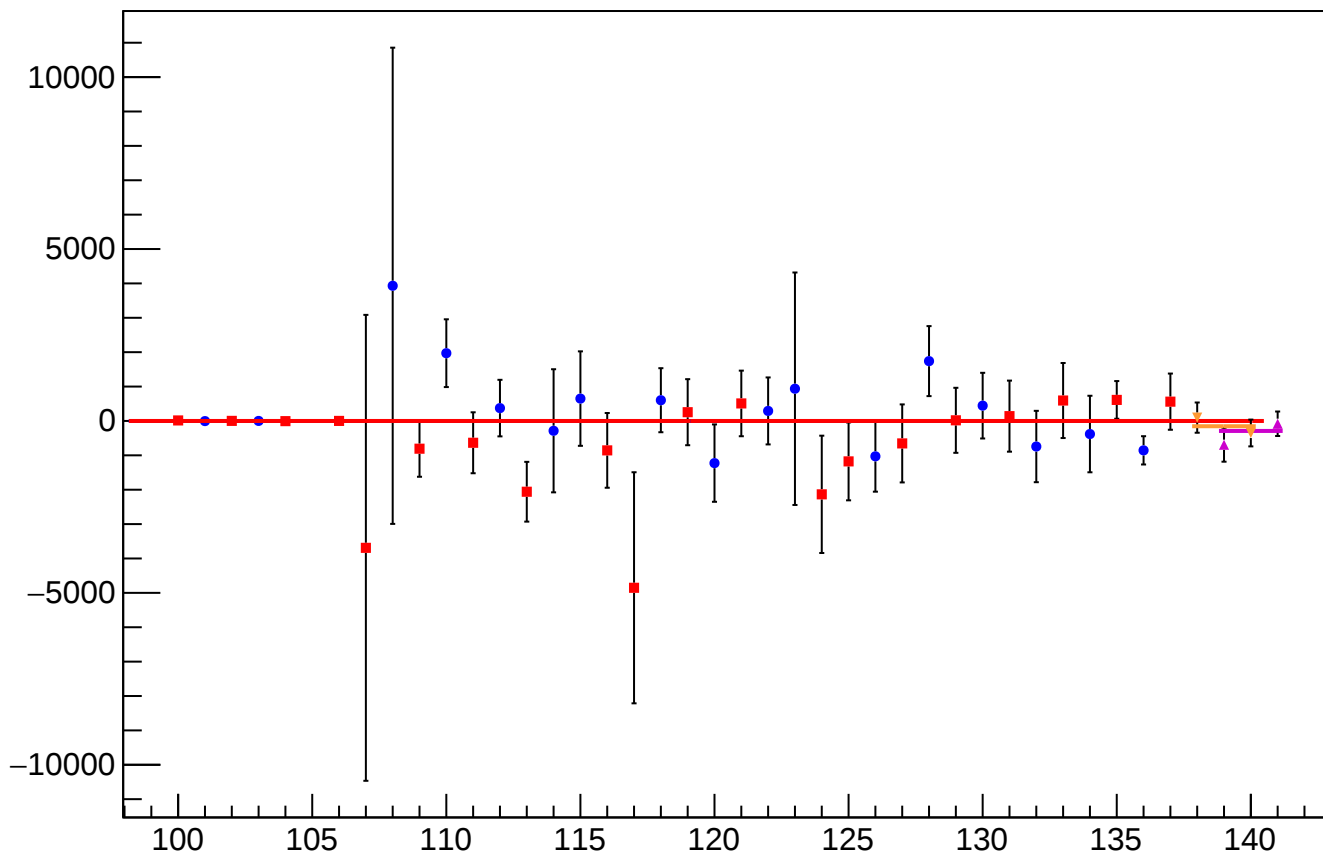
Right Out: 177.309+/-0.051 χ^2/NDF : 1528855.2/19

Left In: 219.274+/-0.127 χ^2/NDF :153.7/1

203.005+/-0.052 χ^2/NDF : 1008458.1/18

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: -153.805+/-291.497 χ^2/NDF : 0.6/1

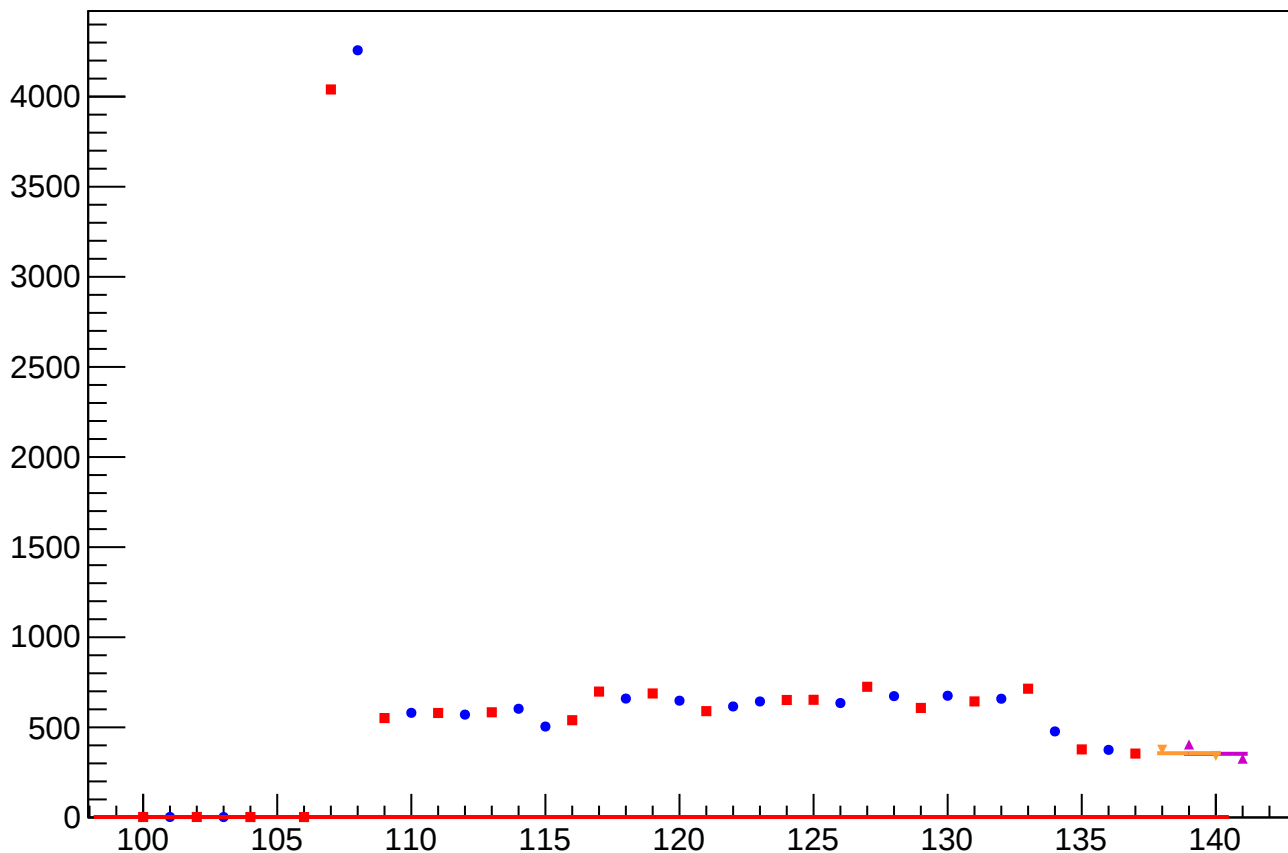
Right Out: -0.728+/-2.111 χ^2/NDF : 21.4/19

Left In: -290.821+/-288.681 χ^2/NDF : 1.0/1

-1.538+/-2.251 χ^2/NDF : 17.8/18

-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: 356.363+/-0.206 χ^2/NDF :6925.1/1

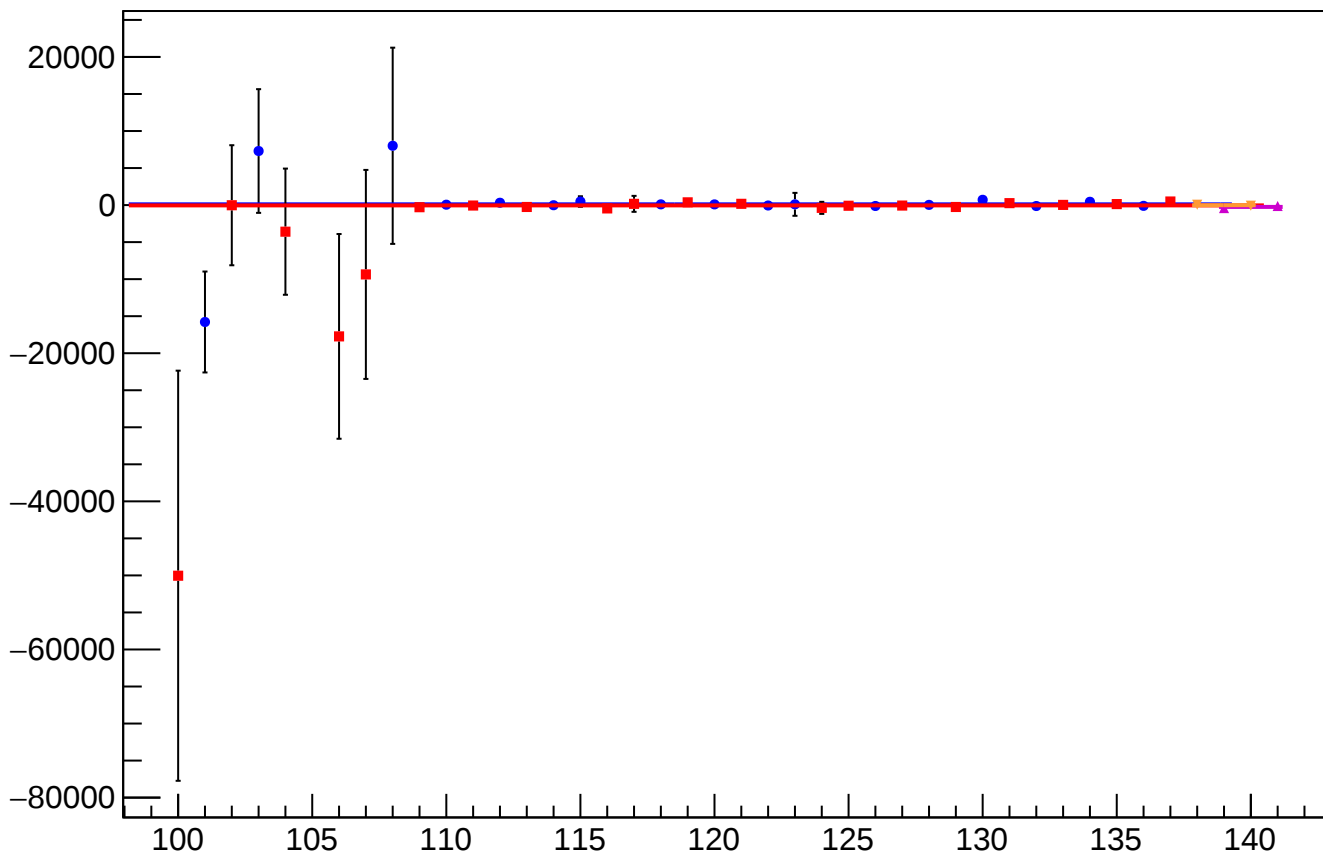
Right Out: 2.437+/-0.001 χ^2/NDF : 11233207.9/19

Left In: 353.289+/-0.204 χ^2/NDF :33501.6/1

2.478+/-0.002 χ^2/NDF : 13802635.6/18

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: -15.983+/-185.235 χ^2/NDF : 0.1/1

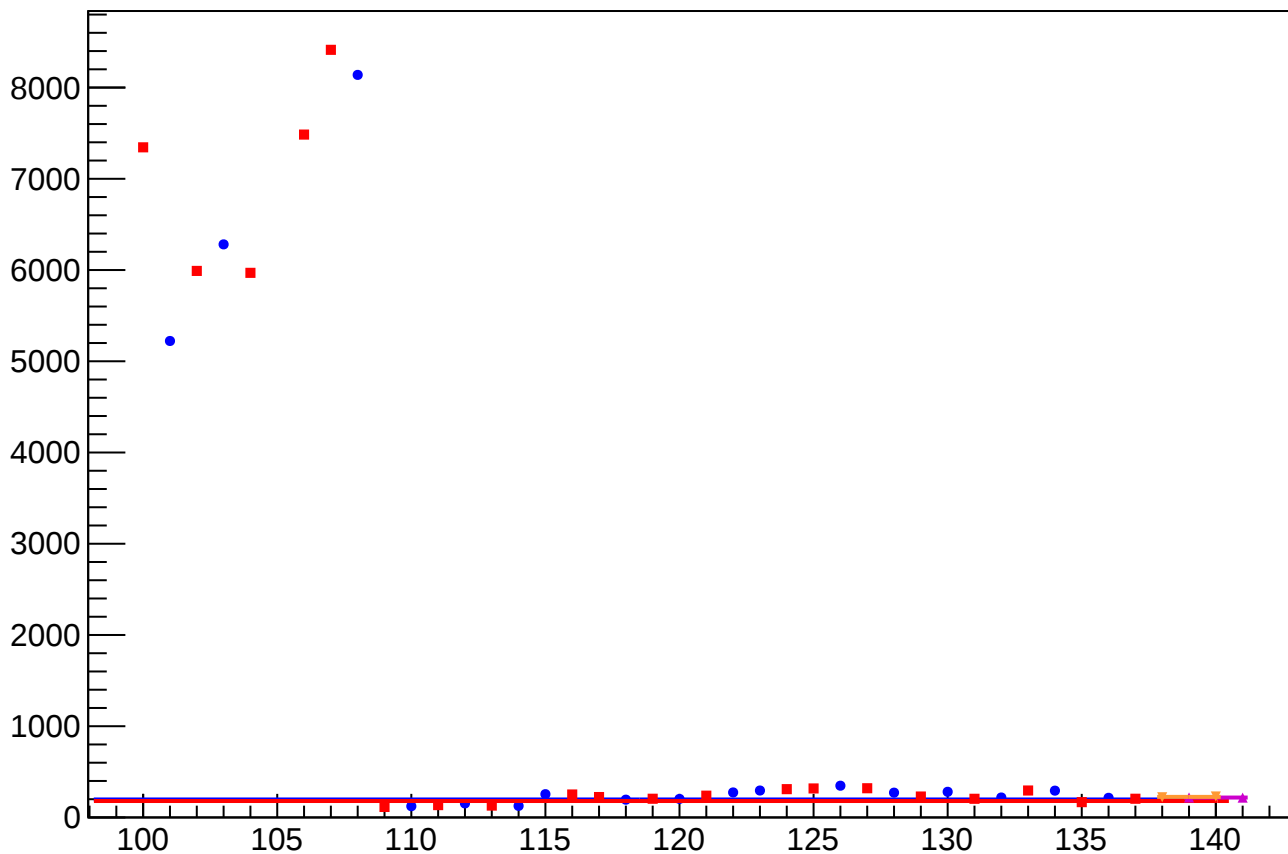
Right Out: -41.024+/-84.237 χ^2/NDF : 13.9/19

Left In: -246.182+/-178.328 χ^2/NDF : 0.6/1

76.413+/-81.575 χ^2/NDF : 12.3/18

-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: 225.463+/-0.131 χ^2/NDF :1099.2/1

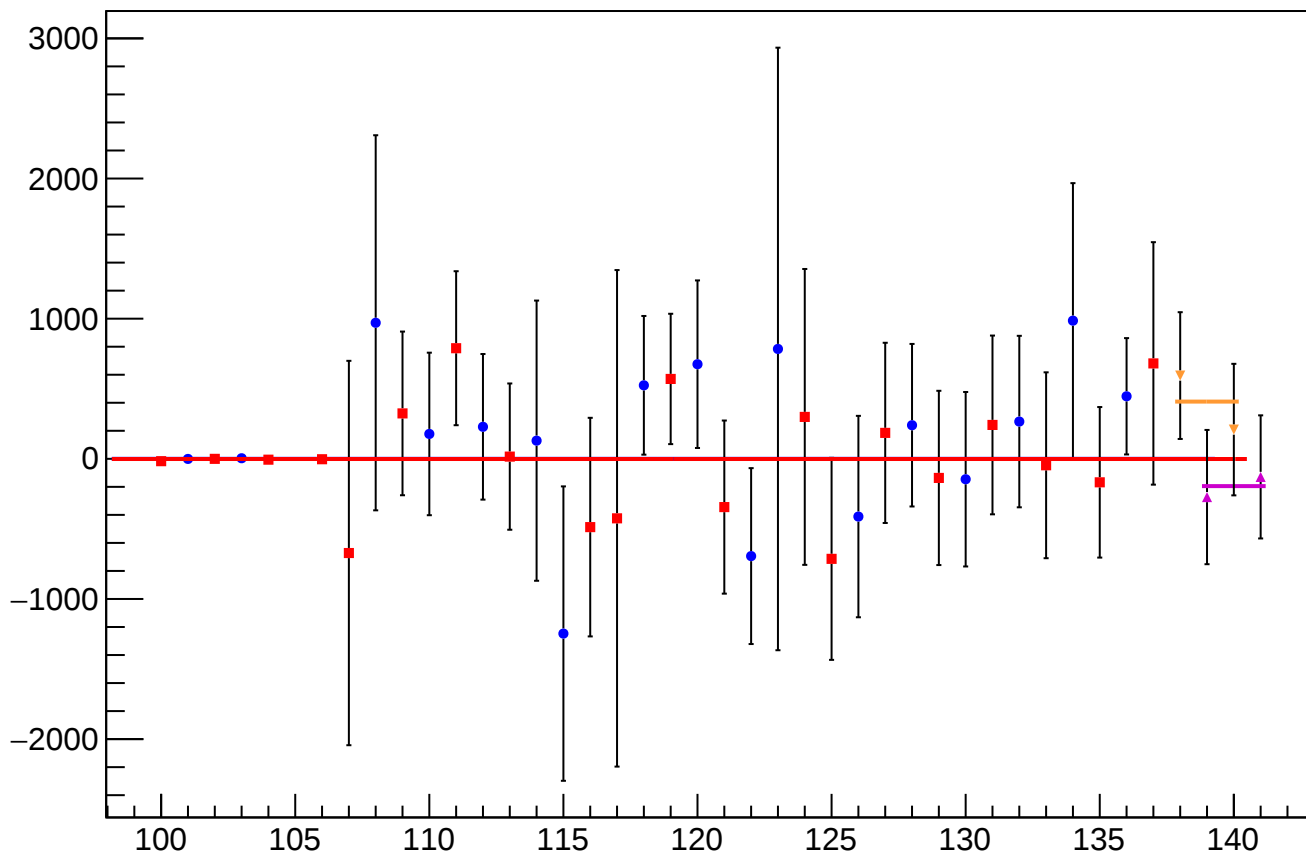
Right Out: 180.217+/-0.060 χ^2/NDF : 4324457.3/19

Left In: 218.162+/-0.126 χ^2/NDF :48.4/1

202.589+/-0.058 χ^2/NDF : 3732549.7/18

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: 408.349 ± 325.638 χ^2/NDF : 0.3/1

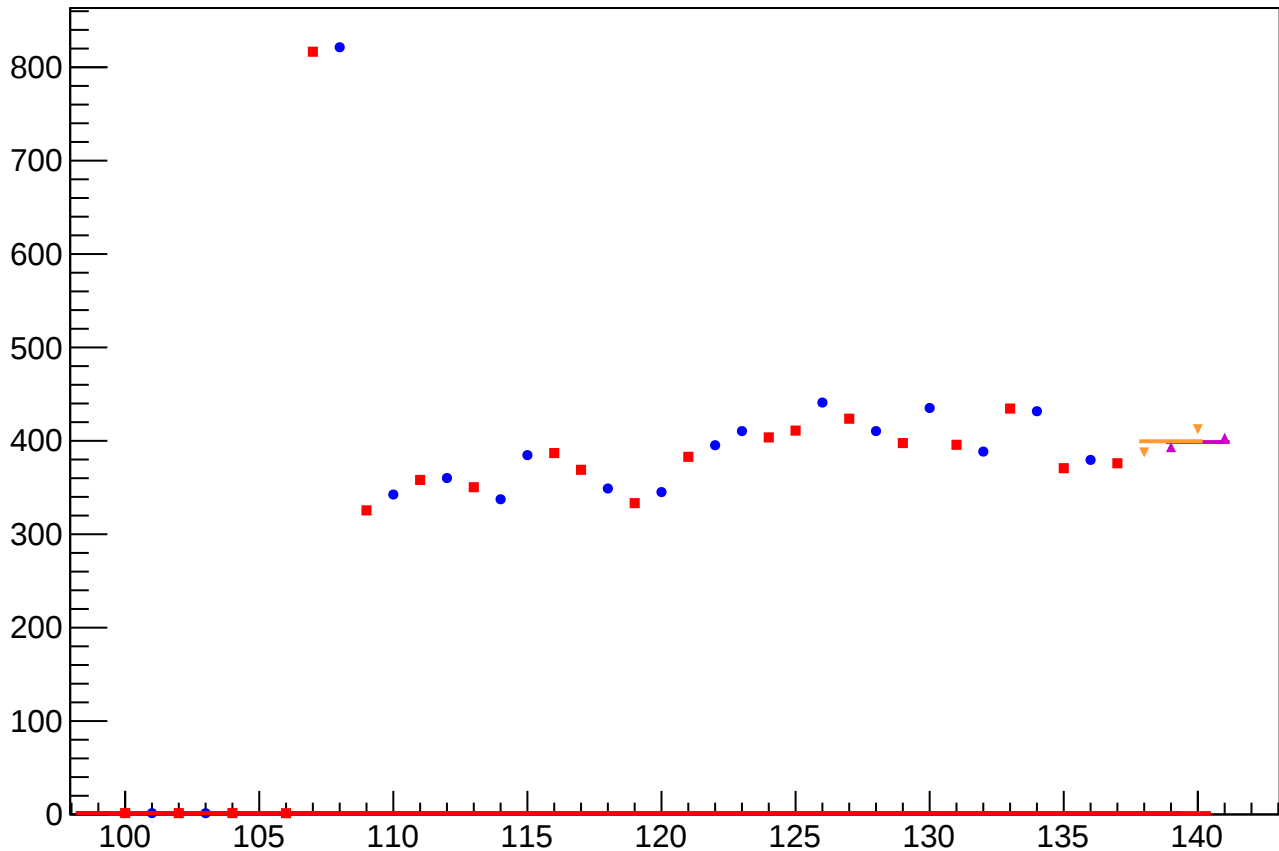
Right Out: -1.324 ± 1.623 χ^2/NDF : 9.7/19

Left In: -194.756 ± 323.734 χ^2/NDF : 0.0/1

-0.126 ± 1.737 χ^2/NDF : 11.7/18

-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: 399.552+/-0.230 χ^2/NDF : 2908.5/1

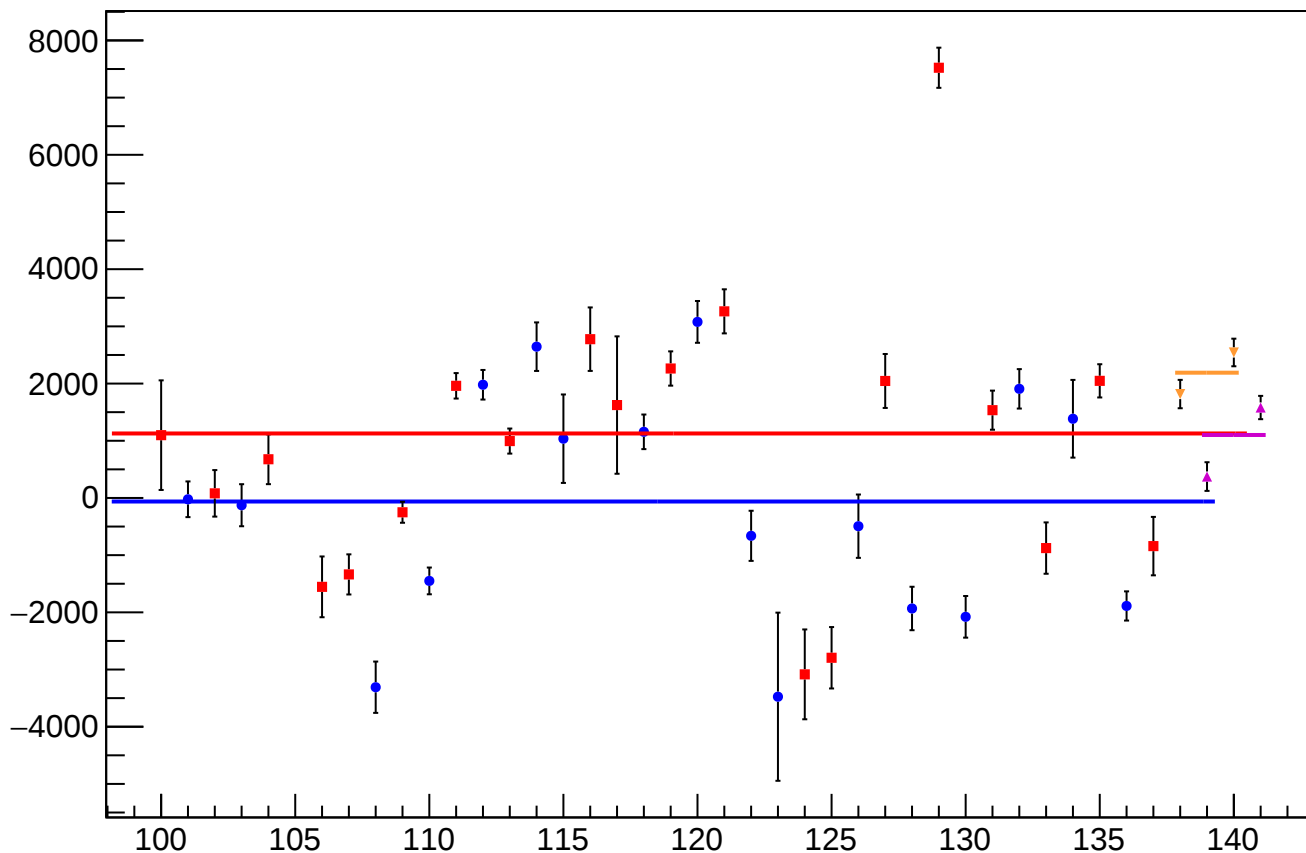
Right Out: 1.451+/-0.001 χ^2/NDF : 10966832.6/19

Left In: 398.693+/-0.229 χ^2/NDF : 463.8/1

1.464+/-0.001 χ^2/NDF : 13949922.4/18

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: 2190.281+/-172.931 χ^2 /NDF: 4.4/1

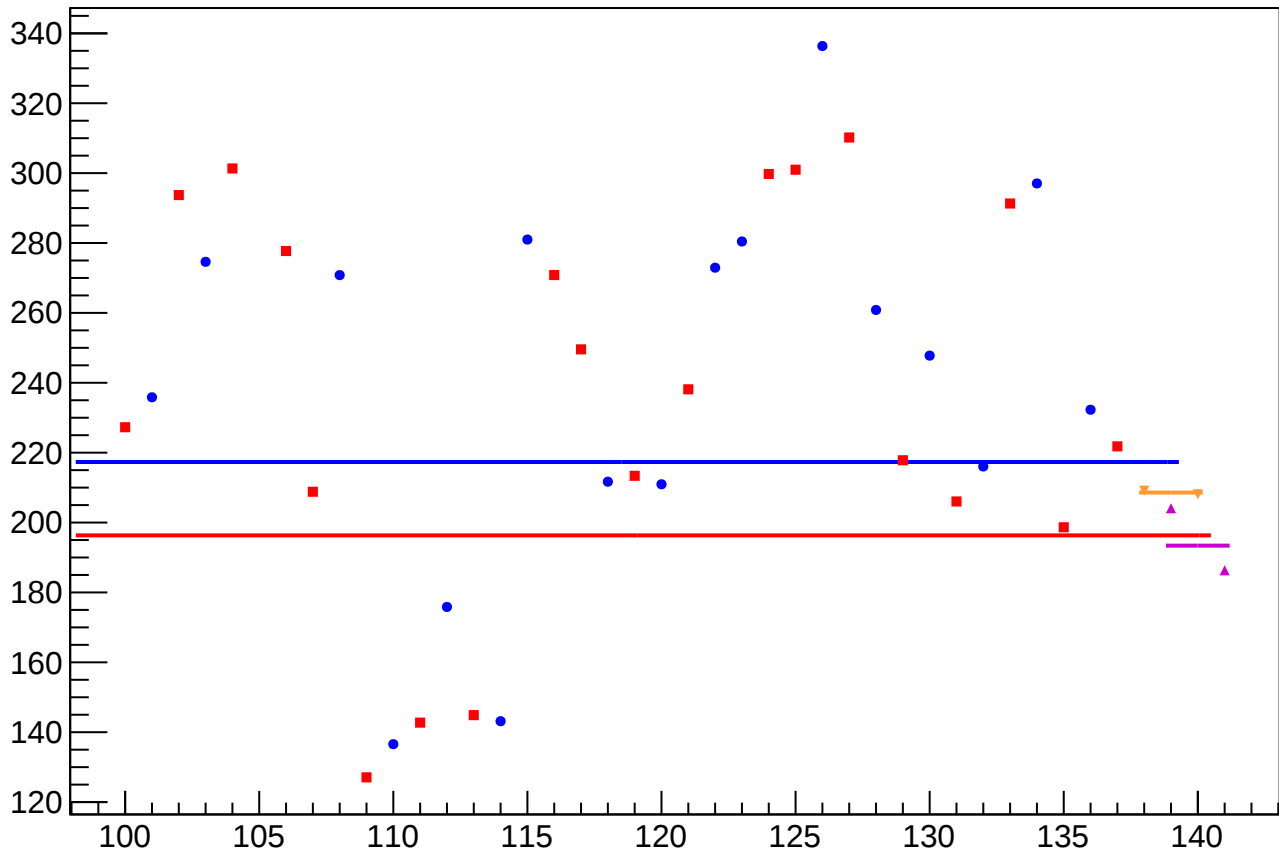
Right Out: 1127.552+/-78.203 χ^2 /NDF: 671.4/19

Left In: 1101.128+/-158.071 χ^2 /NDF: 14.0/1

396.321+/-78.020 χ^2 /NDF: 573.5/18

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: 208.585+/-0.122 χ^2/NDF :17.1/1

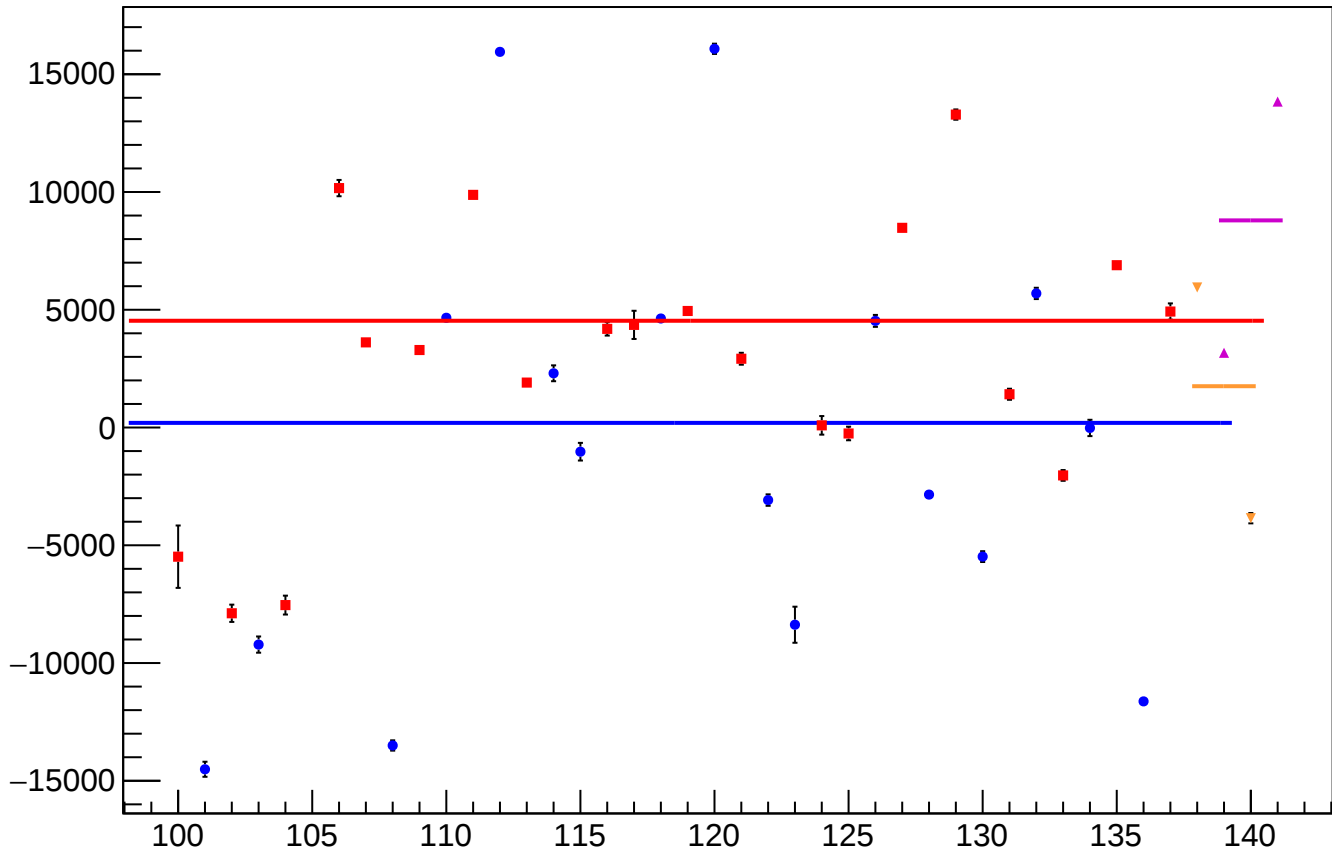
215.550+/-0.055 χ^2/NDF : 656812.8/18

Right Out: 196.332+/-0.055 χ^2/NDF : 1194678.0/19

195.754+/-0.050 χ^2/NDF : 1201274.0/21

Left In: 193.395+/-0.112 χ^2/NDF :6041.4/1

asym_bpm0i02WS_mean vs Slug



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: 1753.844+/-143.434 χ^2/NDF : 1142.1/1

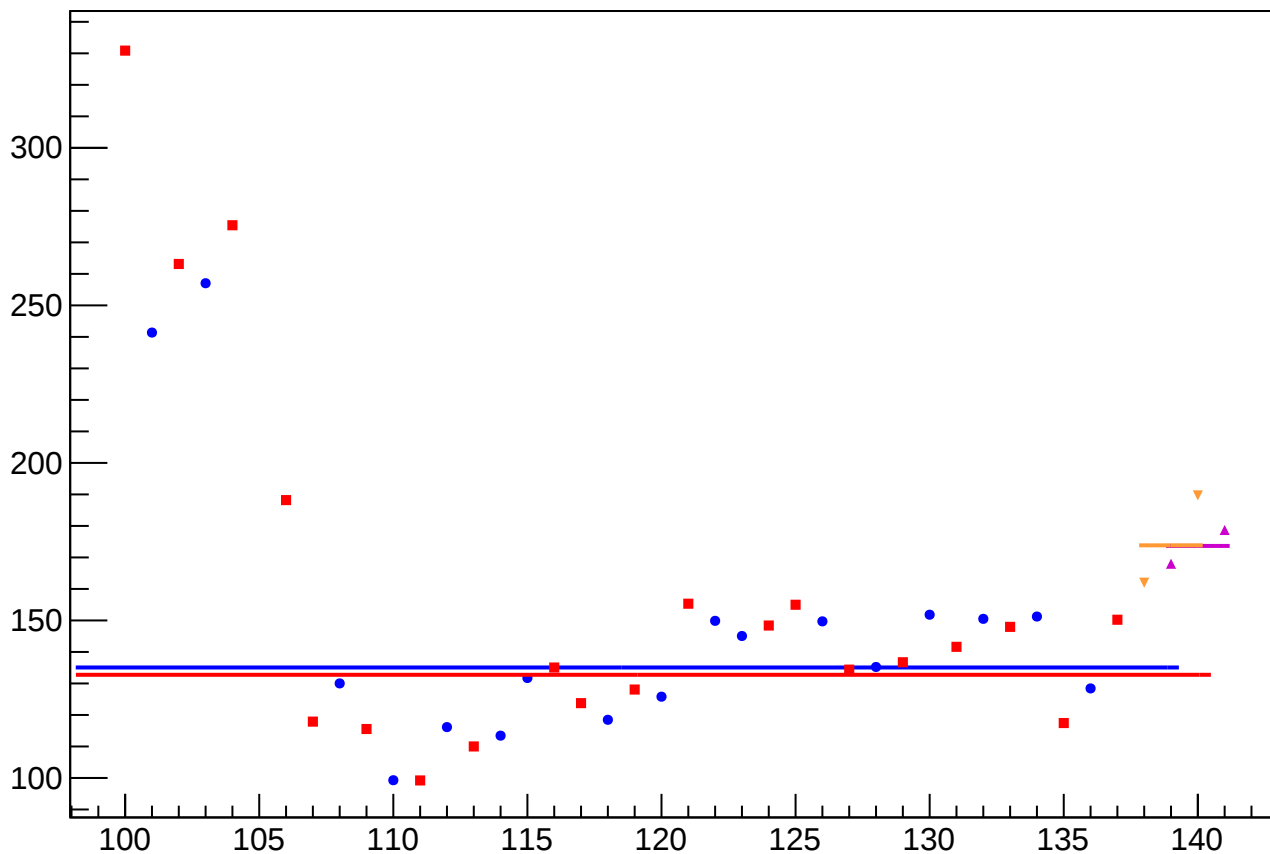
Right Out: 4532.856+/-52.261 χ^2/NDF : 7477.3/19

Left In: 8794.609+/-141.893 χ^2/NDF : 1408.4/1

395.302+/-51.190 χ^2/NDF : 31903.1/18

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: 173.841 ± 0.101 χ^2/NDF : 18271.6/1

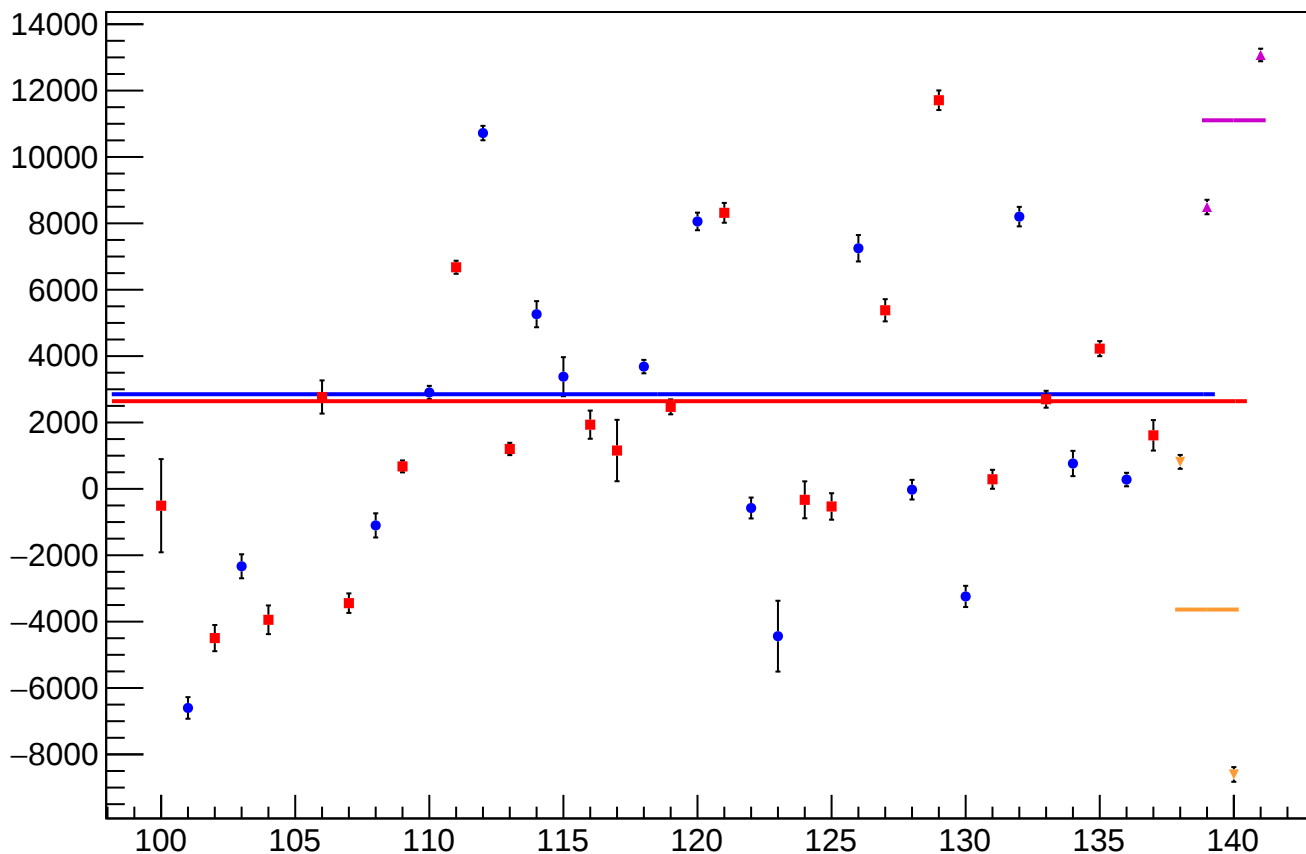
Right Out: 132.747 ± 0.037 χ^2/NDF : 831647.2/19

Left In: 173.651 ± 0.100 χ^2/NDF : 2840.2/1

140.010 ± 0.036 χ^2/NDF : 804479.1/18

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: -3636.011+/-152.182 χ^2/NDF :954.4/1

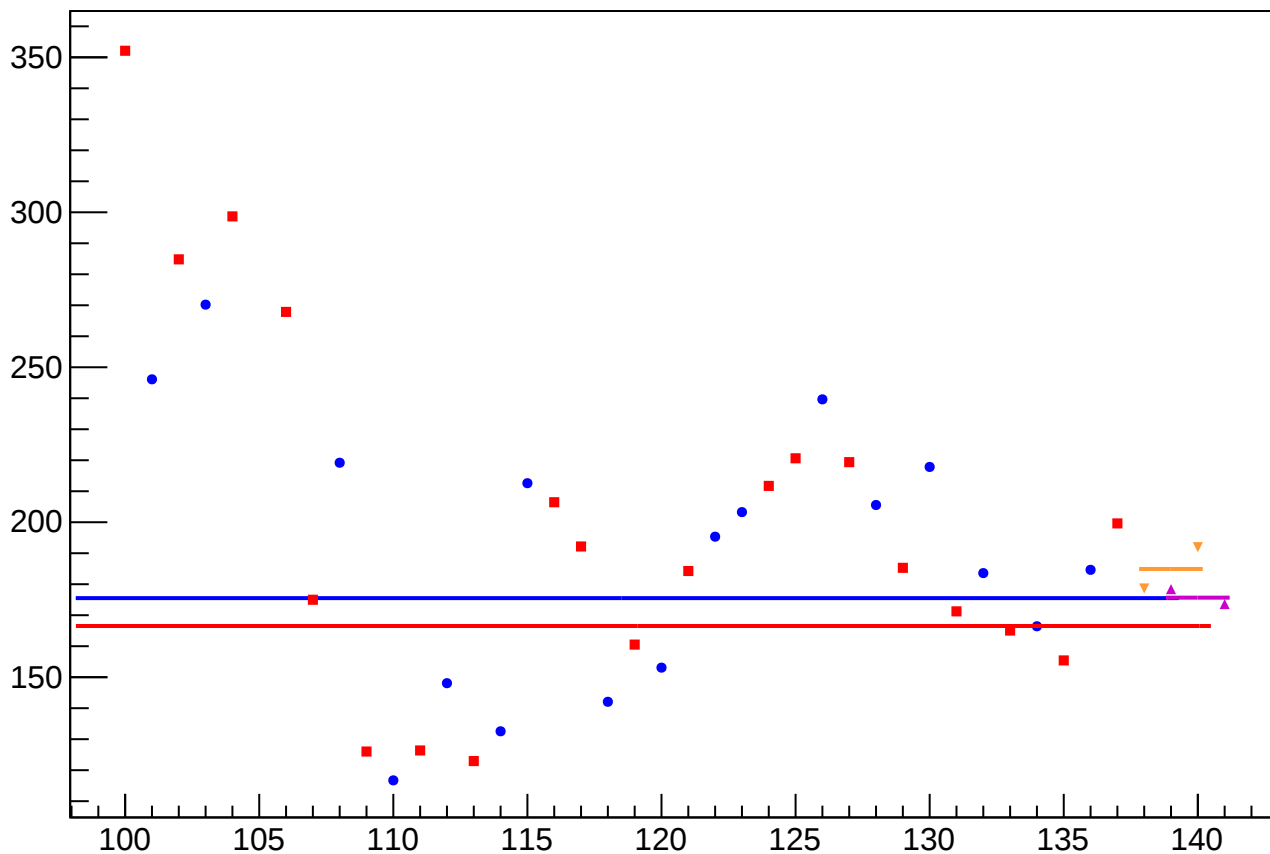
Right Out: 2641.642+/-65.566 χ^2/NDF : 3178.3/19

Left In: 11104.825+/-143.276 χ^2/NDF :250.6/1

1698.377+/-64.158 χ^2/NDF : 6626.8/18

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: 184.921 ± 0.108 χ^2/NDF : 3816.5/1

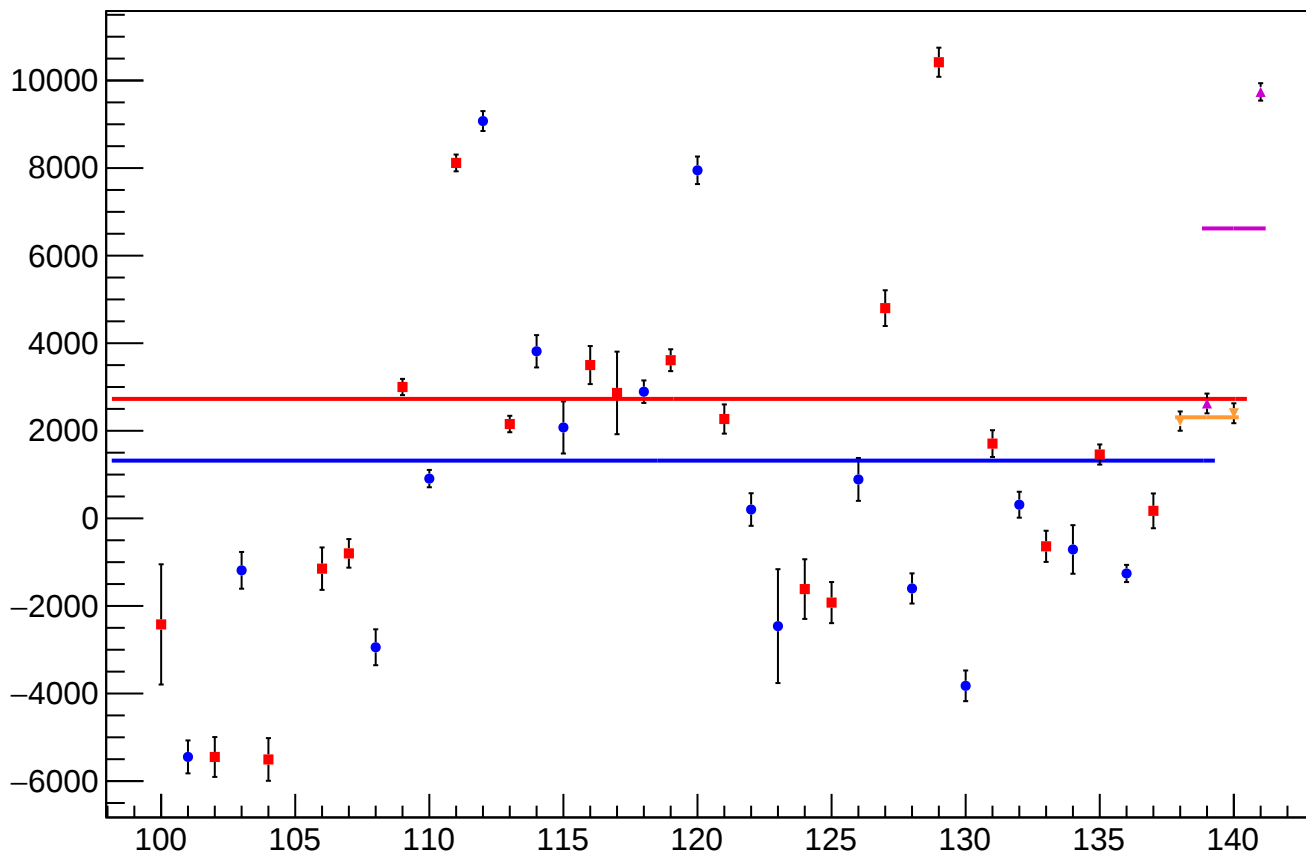
Right Out: 166.522 ± 0.046 χ^2/NDF : 931079.9/19

Left In: 175.667 ± 0.101 χ^2/NDF : 552.7/1

177.186 ± 0.045 χ^2/NDF : 699742.8/18

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: 2308.317 ± 158.168 χ^2/NDF : 0.3/1

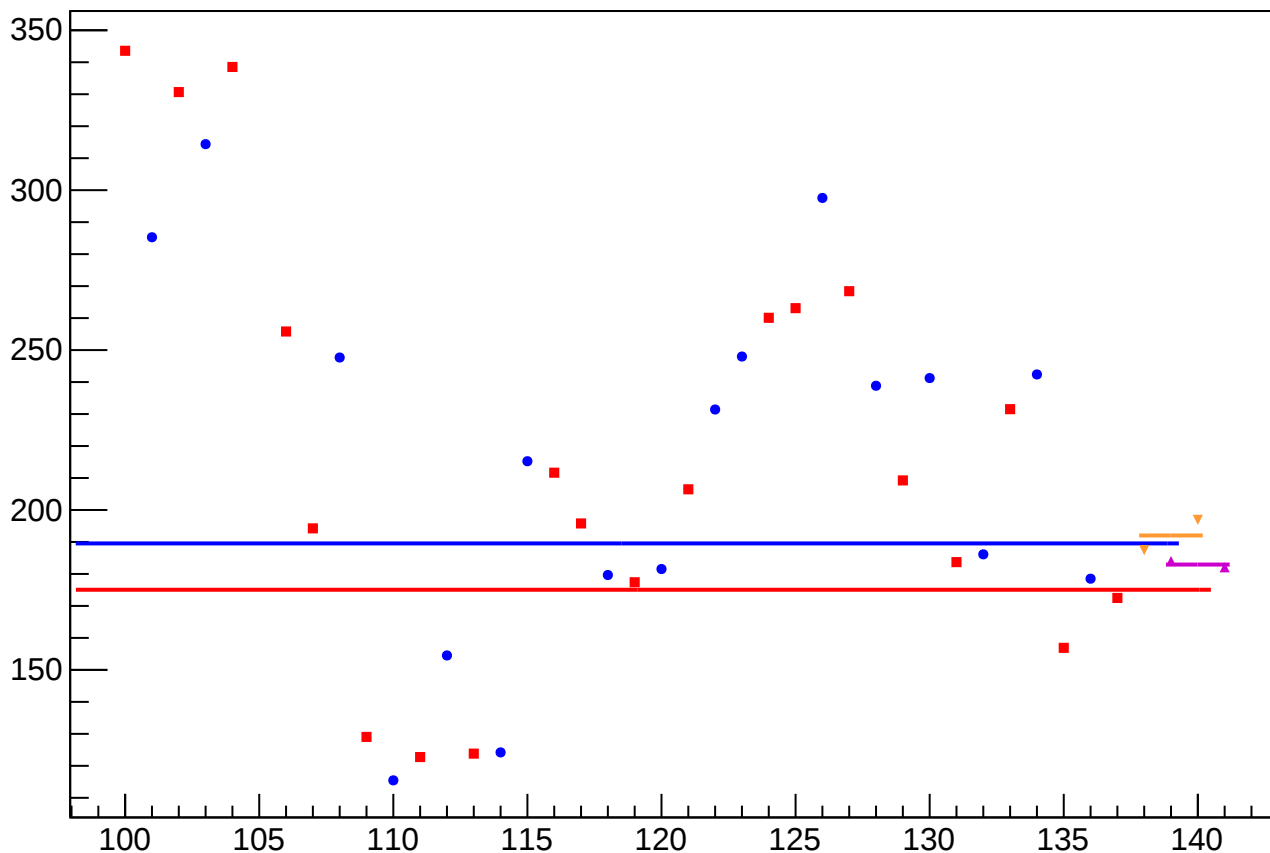
Right Out: 2728.550 ± 69.837 χ^2/NDF : 2495.9/19

Left In: 6621.469 ± 149.168 χ^2/NDF : 560.1/1

1509.131 ± 69.338 χ^2/NDF : 2698.9/18

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: 192.028+/-0.112 χ^2/NDF :1790.3/1

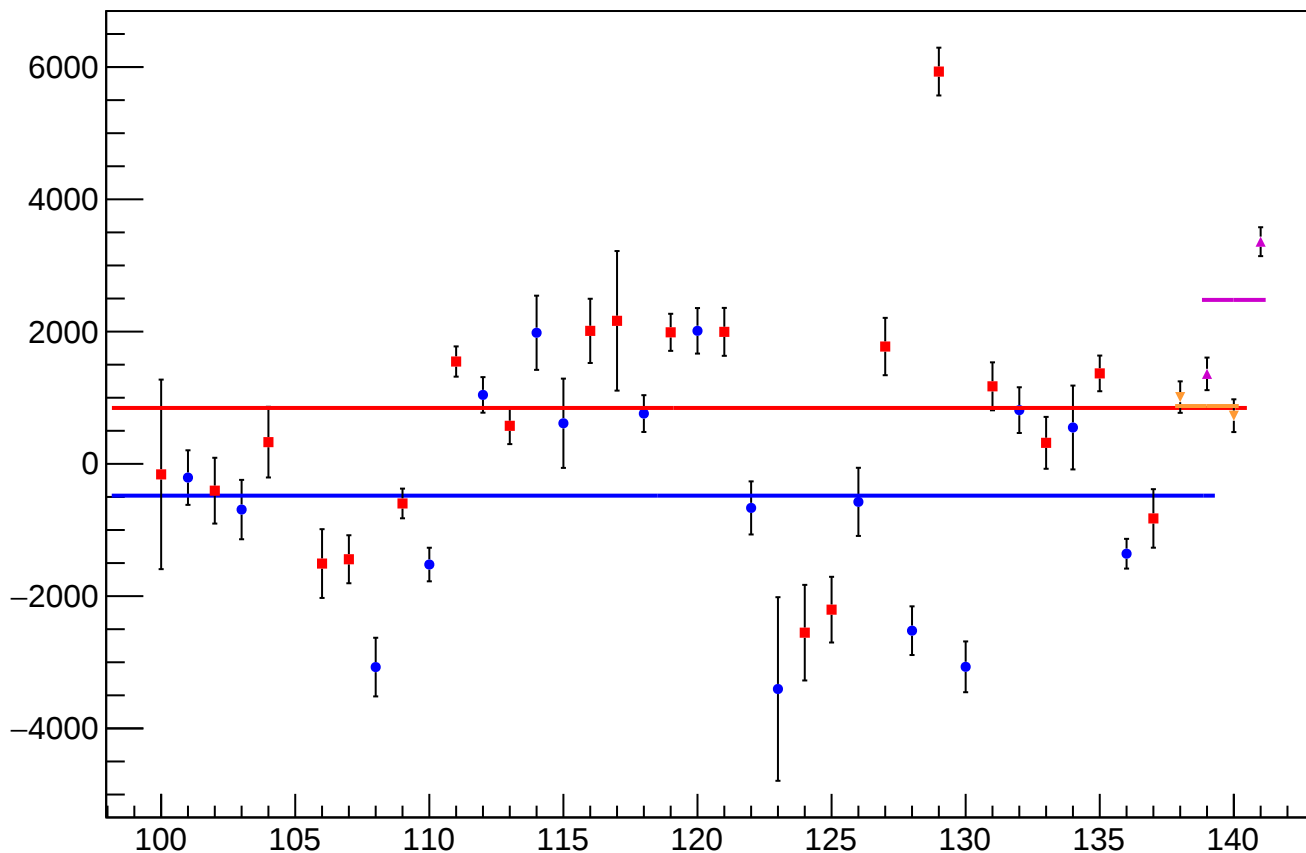
Right Out: 175.058+/-0.049 χ^2/NDF : 1298079.7/19

Left In: 182.937+/-0.105 χ^2/NDF :85.5/1

190.022+/-0.049 χ^2/NDF : 982933.2/18

176.475+/-0.045 χ^2/NDF : 1302742.1/21

asym_bpm0i07WS_mean vs Slug



Right In: -480.578+/-88.640 $\chi^2/\text{NDF}: 290.7/16$

Left Out: 874.590+/-171.587 $\chi^2/\text{NDF}: 0.7/1$

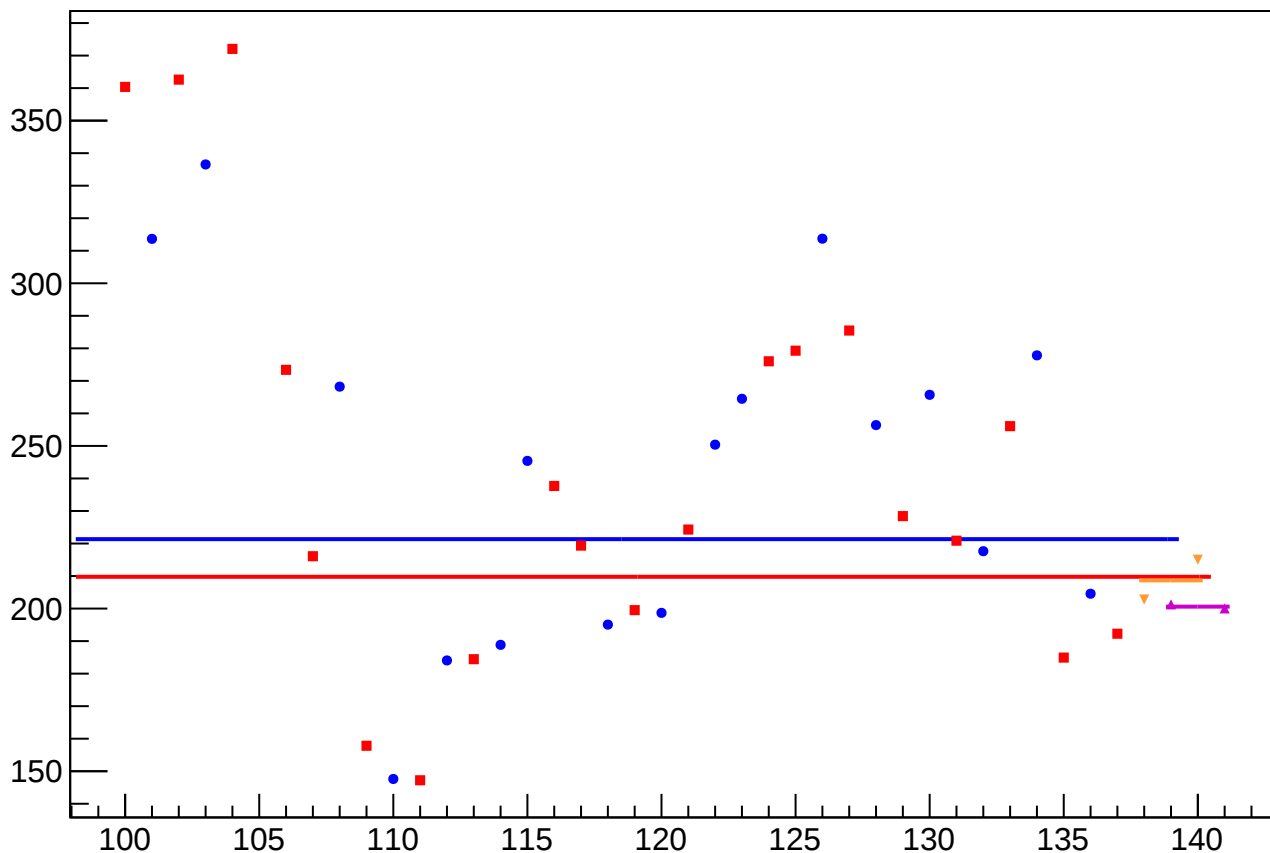
Right Out: 845.444+/-81.995 $\chi^2/\text{NDF}: 436.9/19$

Left In: 2479.281+/-163.427 $\chi^2/\text{NDF}: 36.9/1$

-195.111+/-78.753 $\chi^2/\text{NDF}: 340.6/18$

1174.010+/-73.288 $\chi^2/\text{NDF}: 553.6/21$

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 ± 0.063 χ^2/NDF : 645688.1/16

Left Out: 208.667 ± 0.121 χ^2/NDF : 2539.3/1

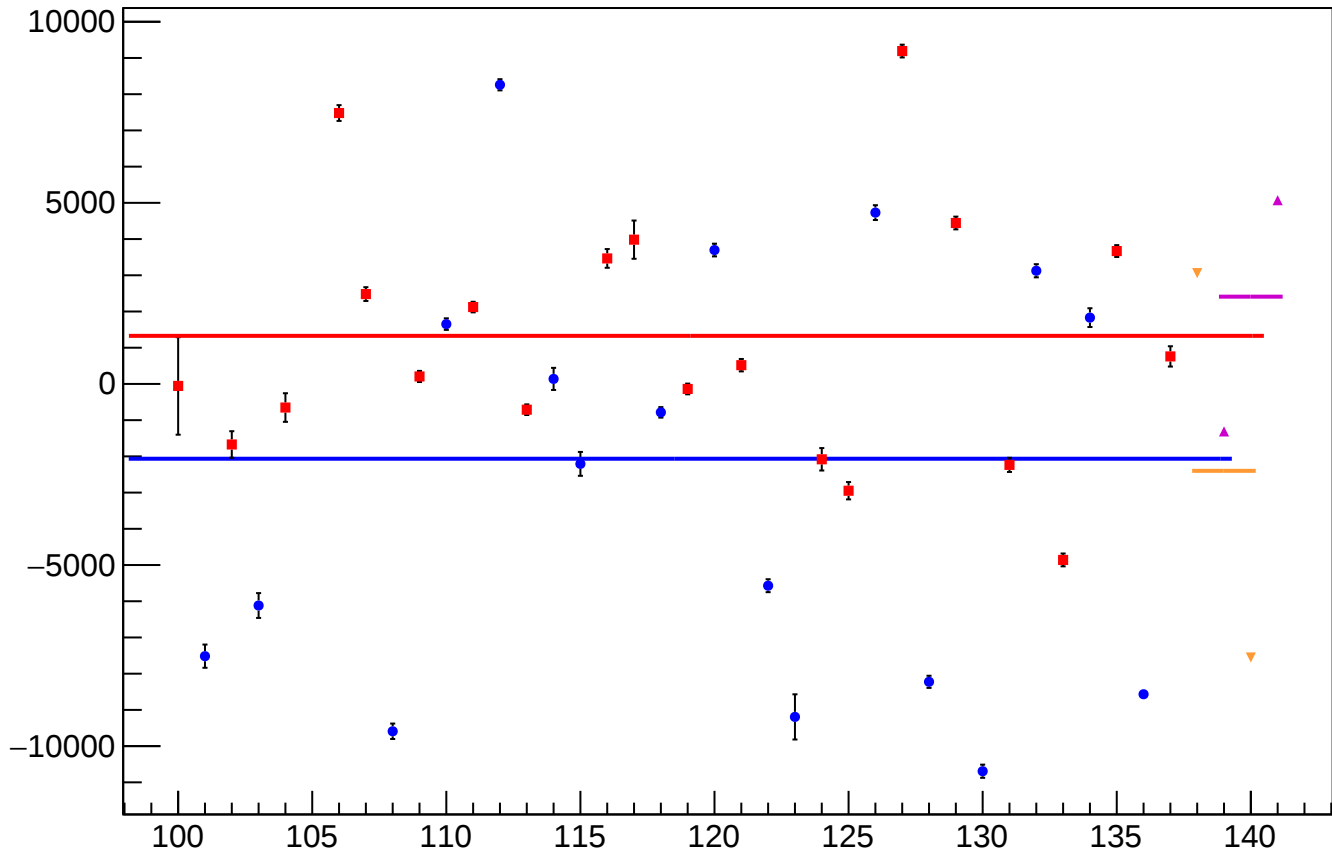
Right Out: 209.775 ± 0.058 χ^2/NDF : 884083.7/19

Left In: 200.599 ± 0.116 χ^2/NDF : 28.6/1

218.672 ± 0.056 χ^2/NDF : 656842.1/18

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: -2399.250 ± 90.157 χ^2/NDF : 3461.1/1

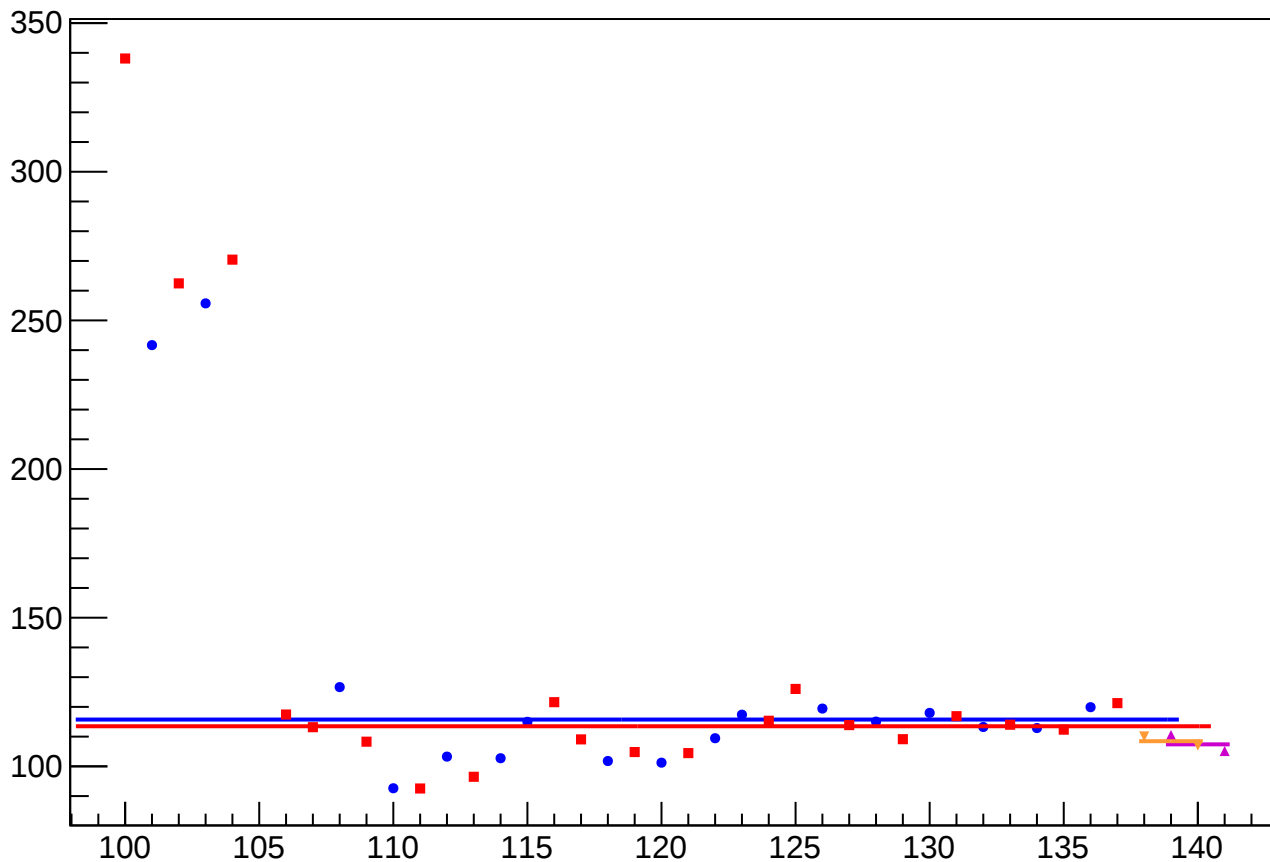
Right Out: 1327.819 ± 44.838 χ^2/NDF : 5919.9/19

Left In: 2410.016 ± 88.461 χ^2/NDF : 1266.1/1

-2137.322 ± 41.901 χ^2/NDF : 20005.1/18

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: 108.460+/-0.064 χ^2/NDF : 587.4/1

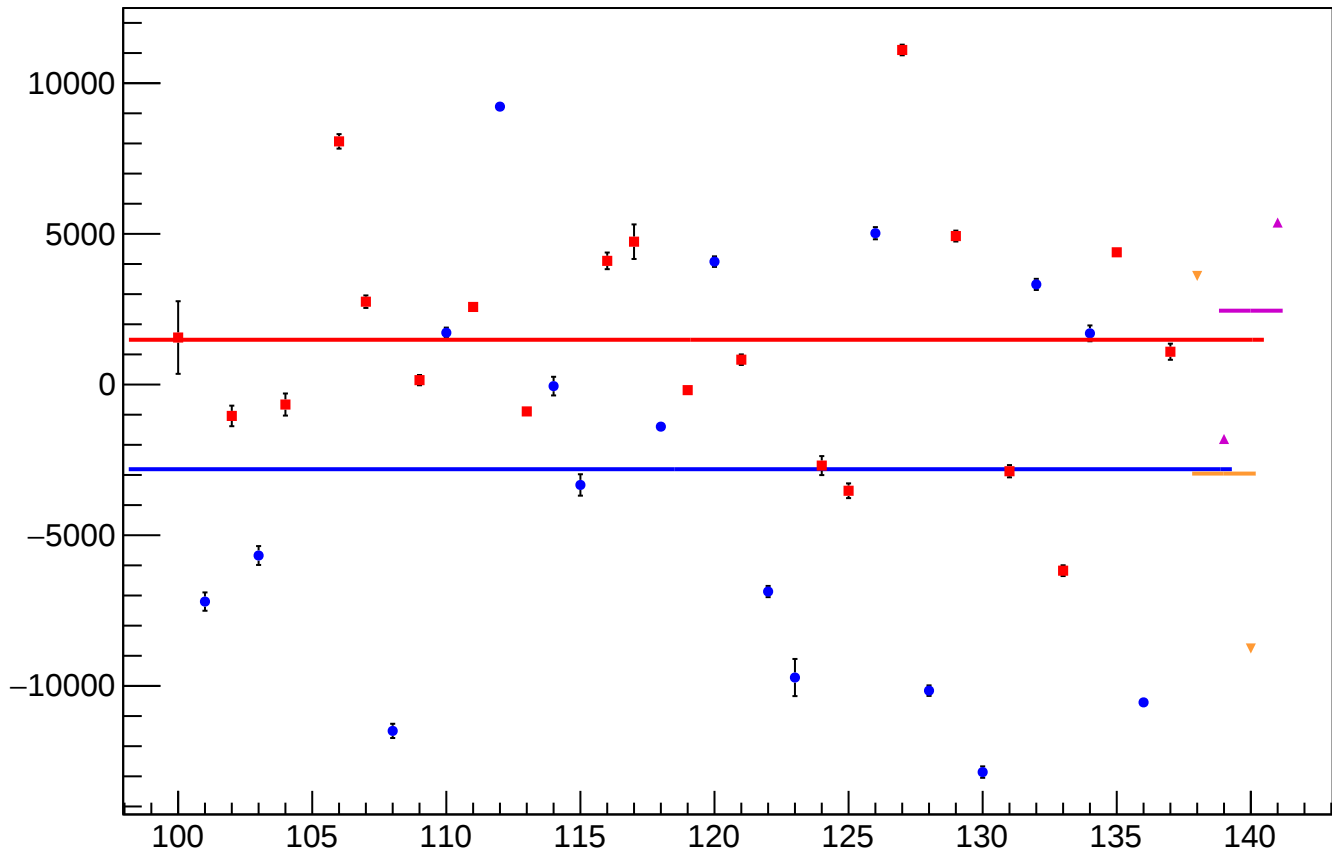
Right Out: 113.487+/-0.032 χ^2/NDF : 796781.7/19

Left In: 107.399+/-0.063 χ^2/NDF : 1798.6/1

114.168+/-0.030 χ^2/NDF : 754829.3/18

112.242+/-0.028 χ^2/NDF : 806118.0/21

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101 ± 48.284 χ^2/NDF : 21263.1/16

Left Out: -2954.094 ± 95.937 χ^2/NDF : 4134.9/1

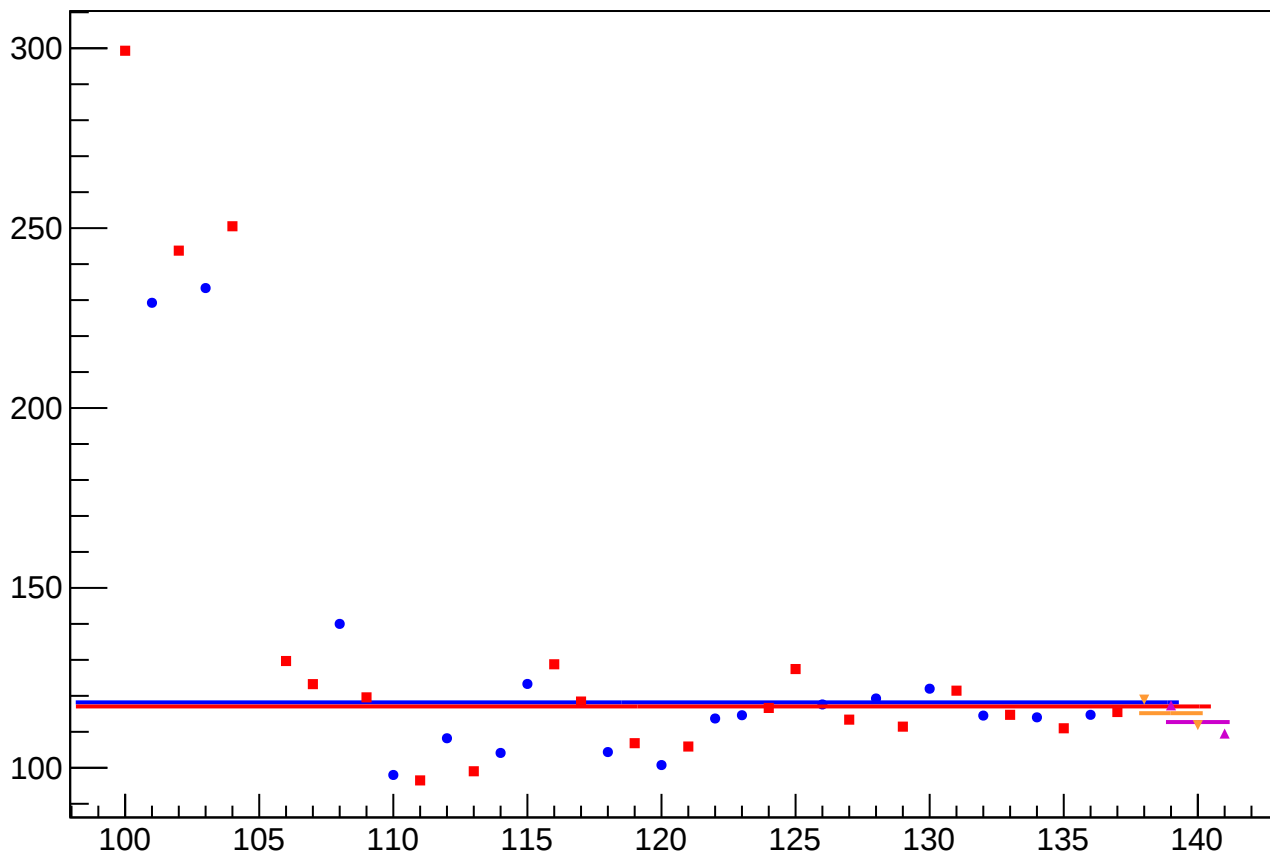
Right Out: 1486.369 ± 46.243 χ^2/NDF : 8037.1/19

Left In: 2451.063 ± 93.058 χ^2/NDF : 1437.8/1

-2838.405 ± 43.130 χ^2/NDF : 25399.9/18

1677.413 ± 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: 115.183 ± 0.068 χ^2/NDF : 2725.3/1

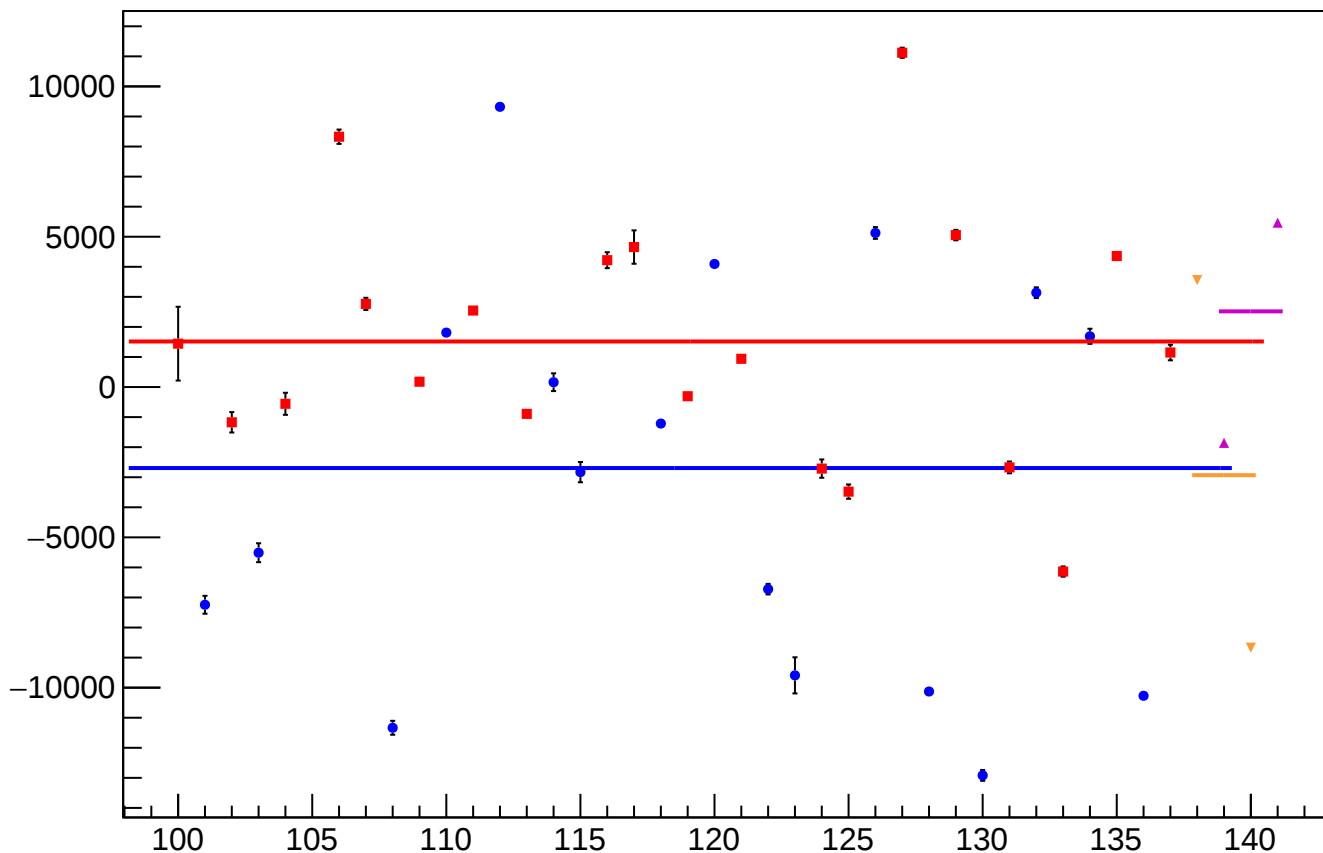
Right Out: 117.054 ± 0.033 χ^2/NDF : 690646.8/19

Left In: 112.716 ± 0.066 χ^2/NDF : 3432.6/1

117.581 ± 0.030 χ^2/NDF : 640543.5/18

116.195 ± 0.029 χ^2/NDF : 697565.4/21

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 ± 46.347 χ^2/NDF : 22860.3/16

Left Out: -2930.426 ± 92.395 χ^2/NDF : 4363.0/1

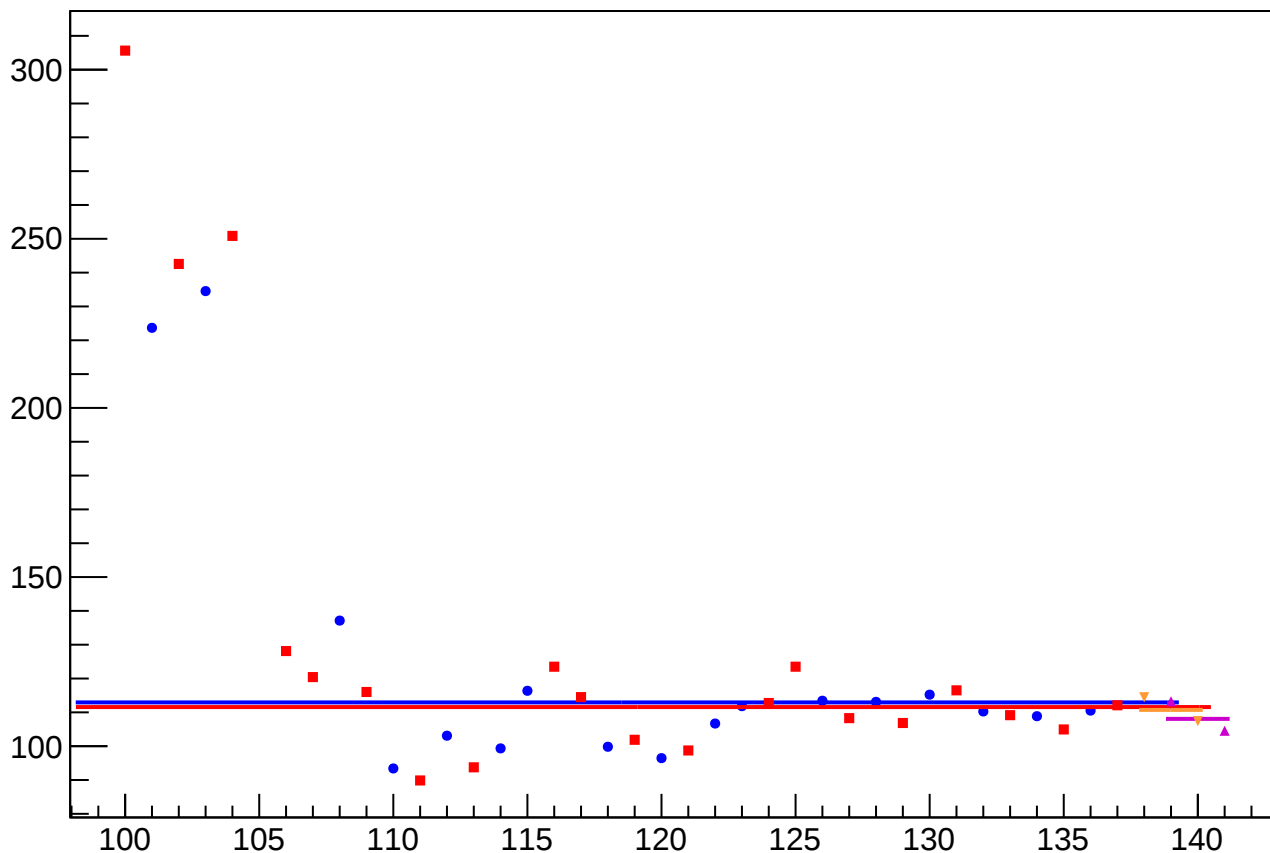
Right Out: 1515.863 ± 44.303 χ^2/NDF : 8749.3/19

Left In: 2517.322 ± 89.418 χ^2/NDF : 1613.6/1

-2741.738 ± 41.427 χ^2/NDF : 27228.5/18

1713.247 ± 39.698 χ^2/NDF : 10463.6/21

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 110.723 $\pm$ 0.065 χ^2 /NDF:2900.1/1

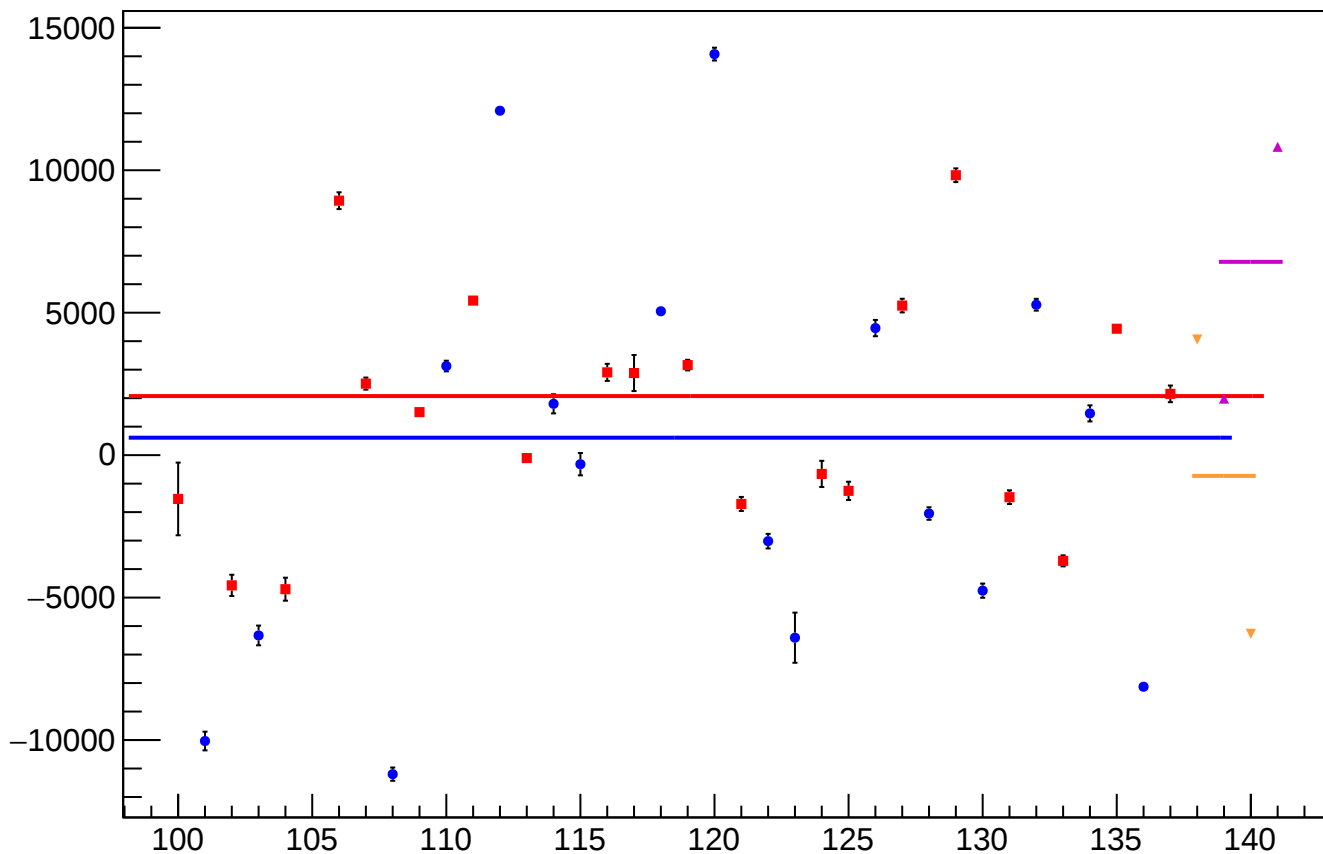
Right Out: 111.562 $\pm$ 0.031 χ^2 /NDF: 765559.1/19

Left In: 108.072 $\pm$ 0.063 χ^2 /NDF:4564.4/1

112.495 $\pm$ 0.029 χ^2 /NDF: 684103.8/18

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: -727.792 ± 116.430 χ^2/NDF : 1957.4/1

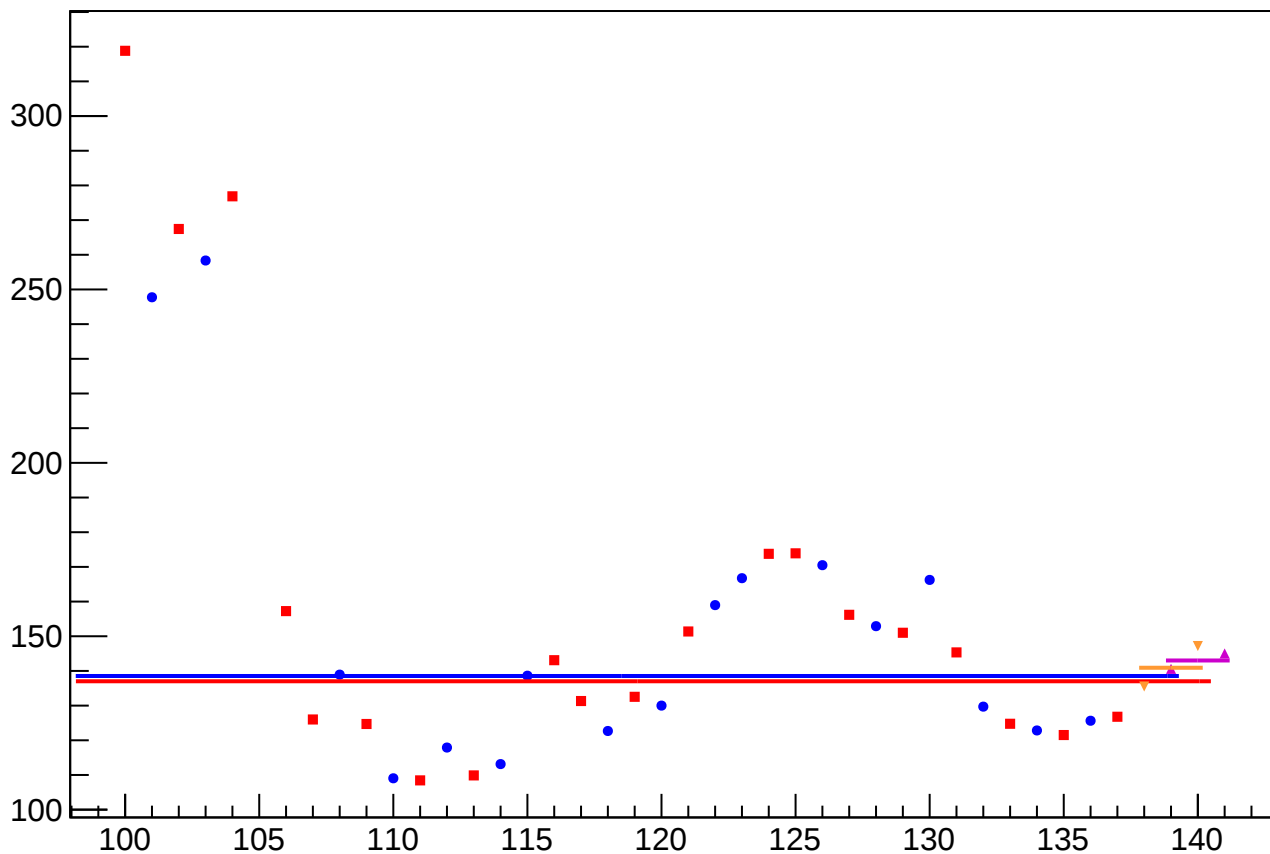
Right Out: 2073.278 ± 53.736 χ^2/NDF : 4644.3/19

Left In: 6784.961 ± 117.134 χ^2/NDF : 1413.1/1

360.339 ± 50.511 χ^2/NDF : 20308.4/18

2892.483 ± 48.842 χ^2/NDF : 7394.1/21

asym_bpm0i01WS_rms vs Slug



Right In: 138.542+/-0.040 χ^2/NDF : 668941.7/16

Left Out: 140.918+/-0.082 χ^2/NDF :4992.2/1

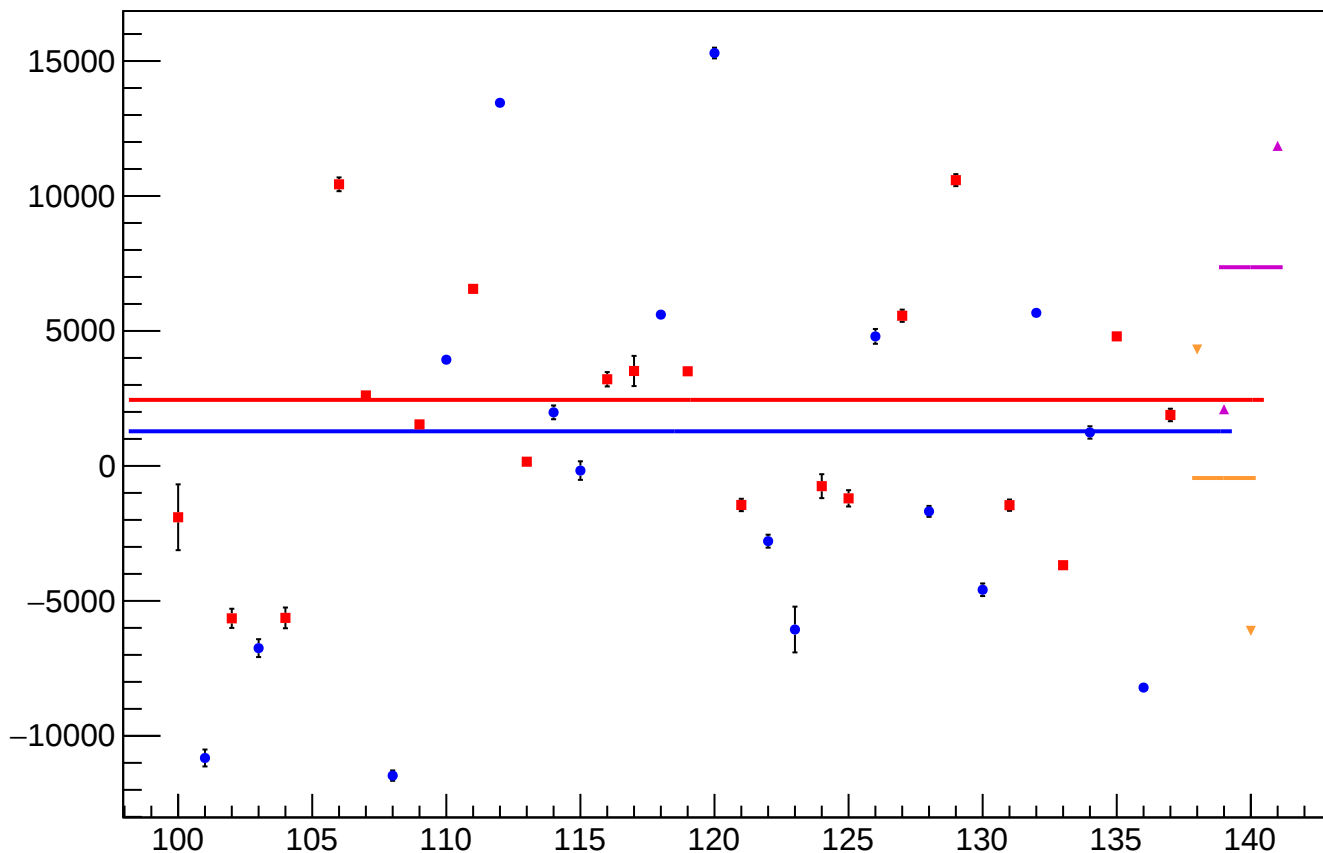
Right Out: 137.019+/-0.038 χ^2/NDF : 755655.0/19

Left In: 143.014+/-0.083 χ^2/NDF :712.7/1

138.989+/-0.036 χ^2/NDF : 674610.2/18

138.062+/-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: -447.925+/-100.566 χ^2/NDF : 2664.4/1

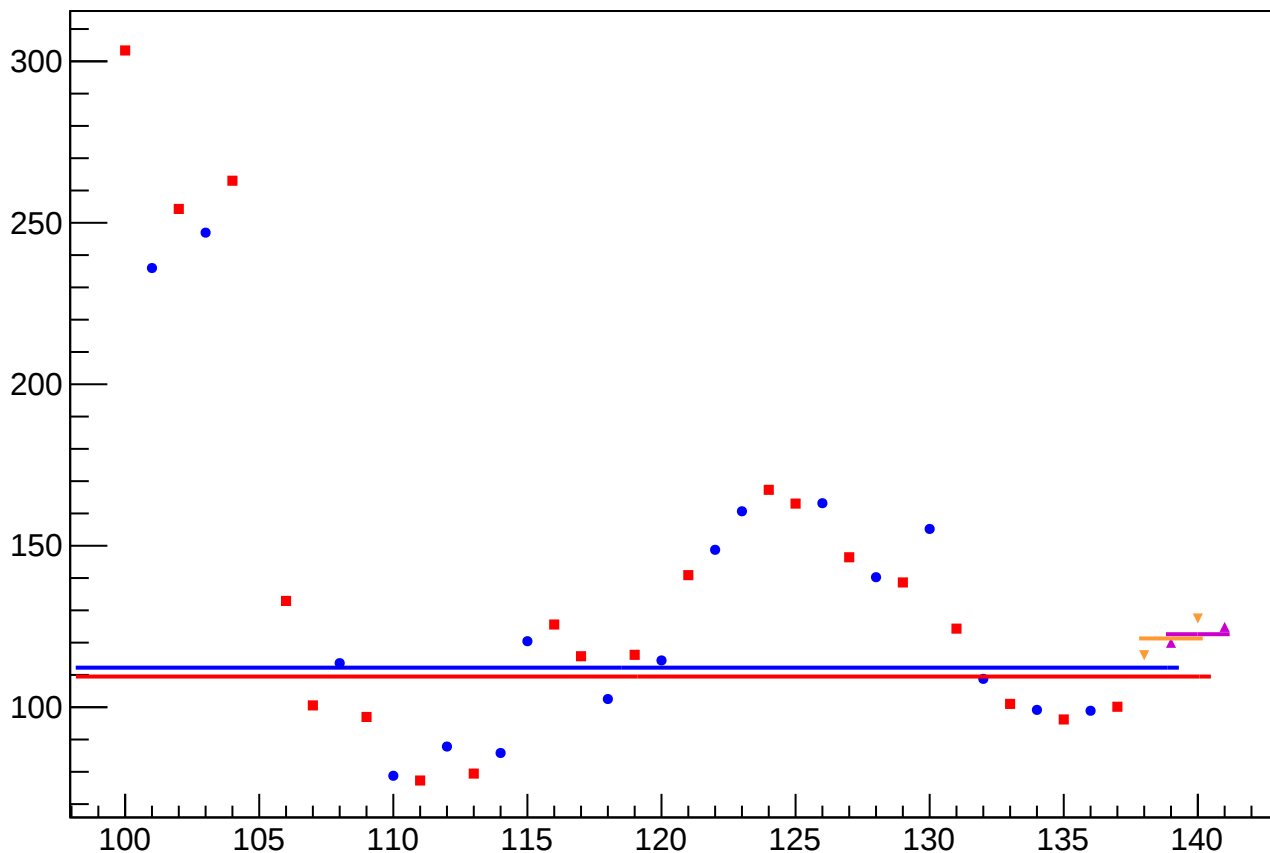
Right Out: 2446.970+/-44.148 χ^2/NDF : 7681.2/19

Left In: 7361.346+/-100.709 χ^2/NDF : 2331.5/1

977.319+/-42.261 χ^2/NDF : 33449.2/18

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: 121.296+/-0.071 χ^2/NDF : 6343.9/1

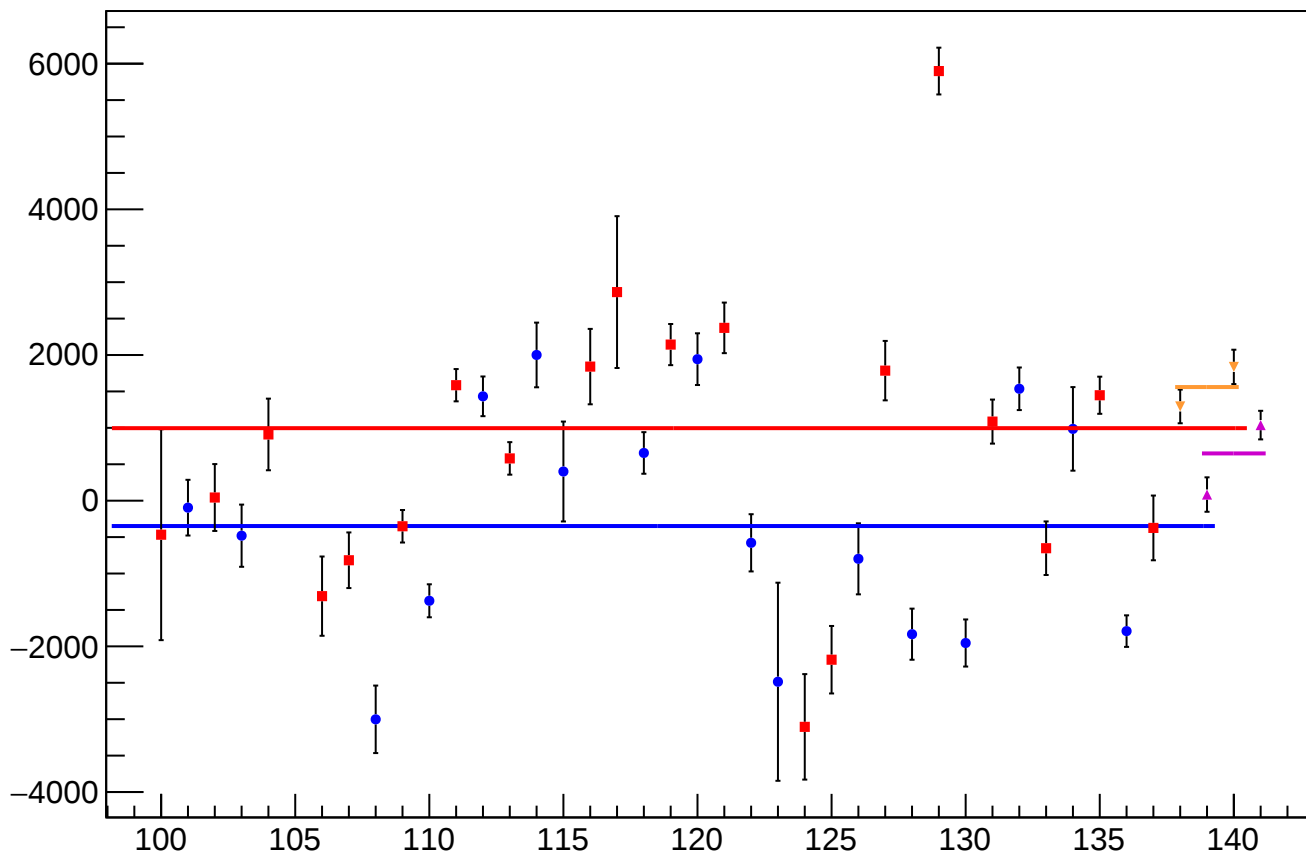
Right Out: 109.500+/-0.031 χ^2/NDF : 1269887.8/19

Left In: 122.610+/-0.071 χ^2/NDF : 1188.0/1

113.848+/-0.030 χ^2/NDF : 1145204.7/18

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: 1560.149 ± 165.168 χ^2/NDF : 2.7/1

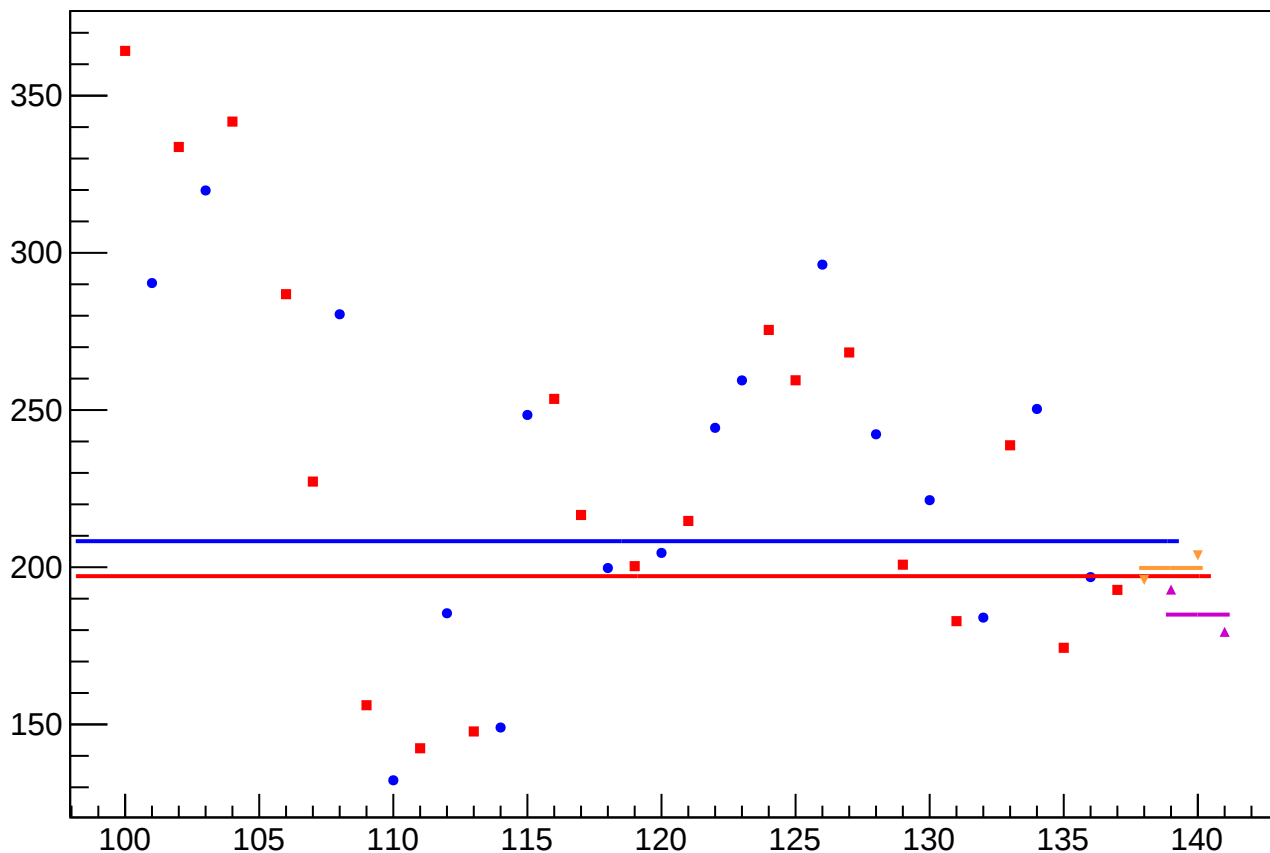
Right Out: 995.622 ± 77.468 χ^2/NDF : 479.8/19

Left In: 648.793 ± 150.976 χ^2/NDF : 9.6/1

42.785 ± 74.750 χ^2/NDF : 426.1/18

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: 199.777 ± 0.117 χ^2/NDF : 1128.0/1

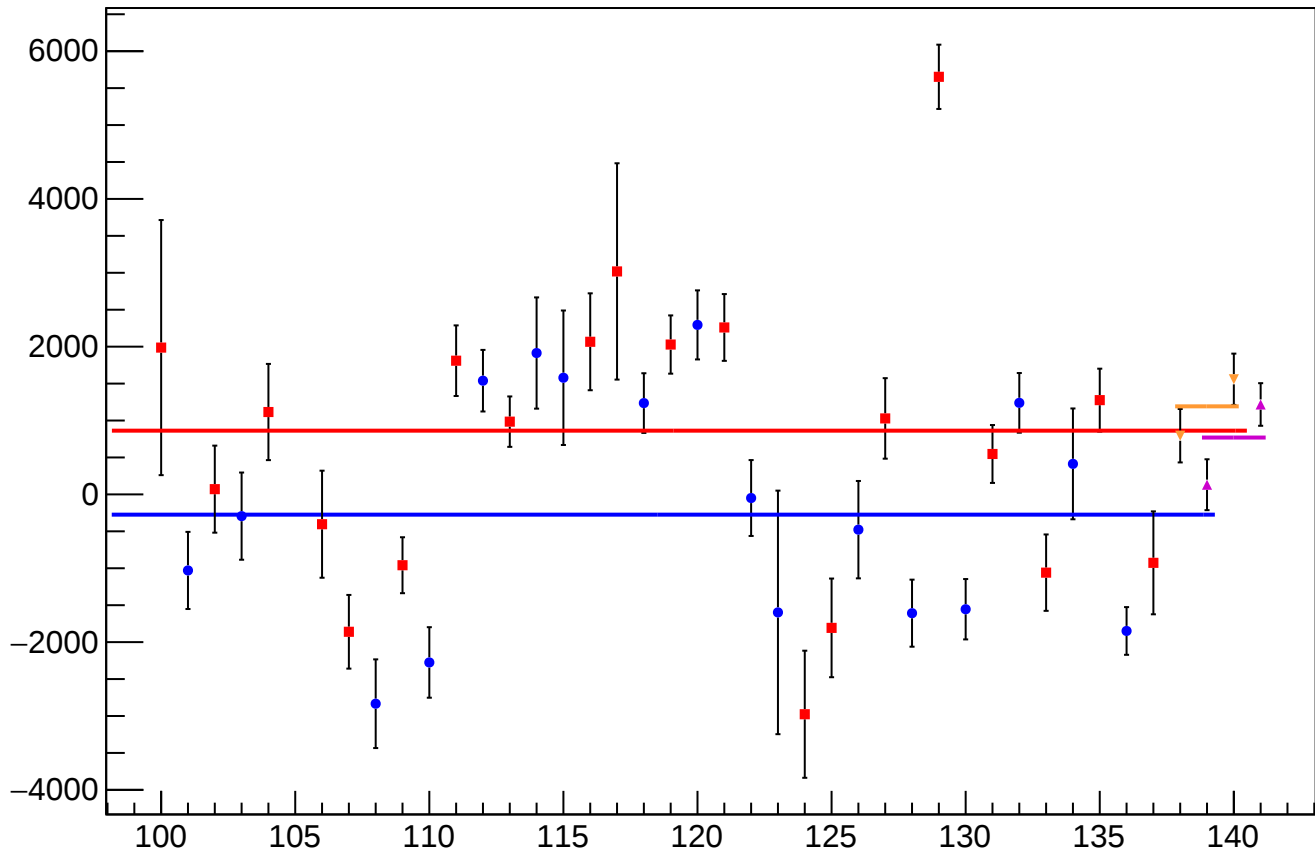
Right Out: 197.159 ± 0.055 χ^2/NDF : 927487.8/19

Left In: 184.936 ± 0.107 χ^2/NDF : 3829.1/1

206.544 ± 0.053 χ^2/NDF : 703841.3/18

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: 1191.955 ± 250.518 χ^2/NDF : 2.3/1

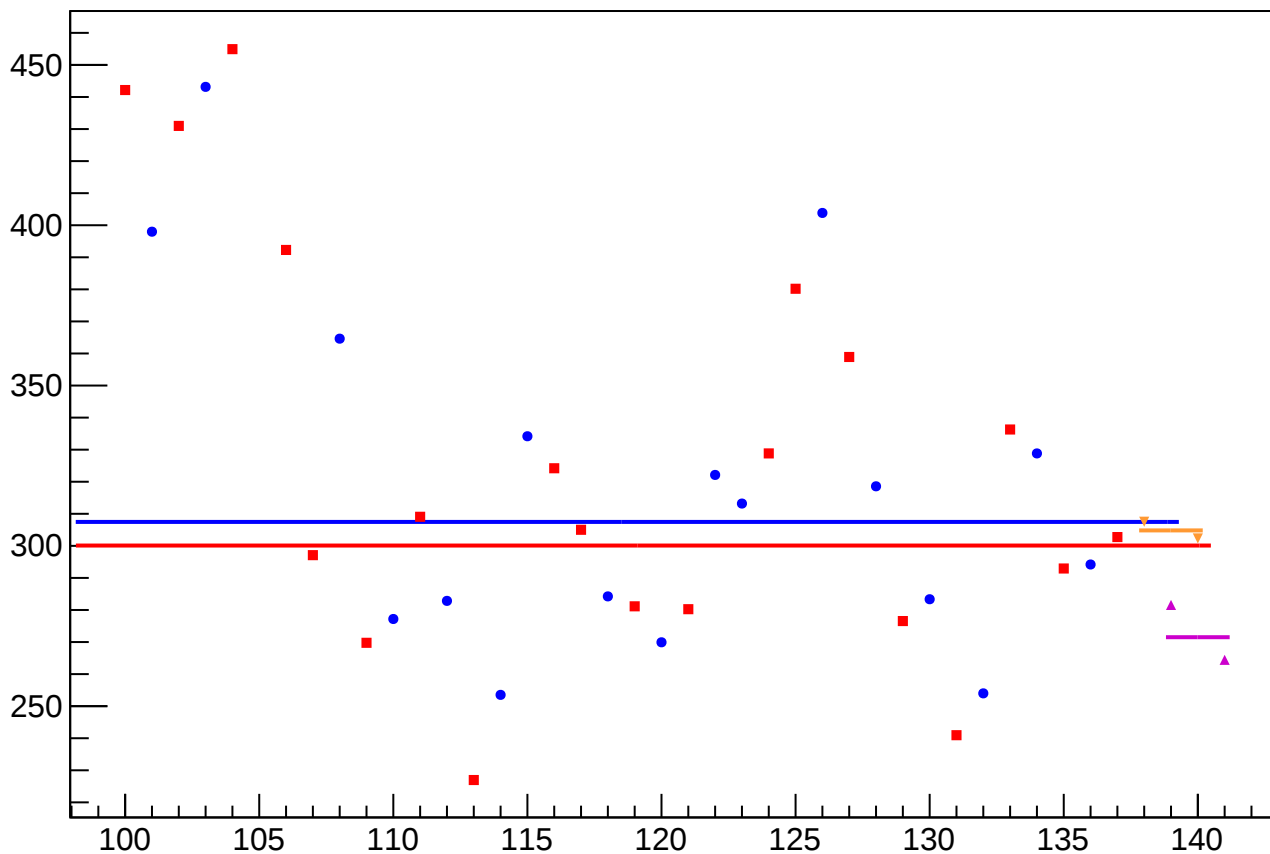
Right Out: 862.791 ± 114.993 χ^2/NDF : 265.4/19

Left In: 769.538 ± 221.135 χ^2/NDF : 5.8/1

4.300 ± 109.194 χ^2/NDF : 201.6/18

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: 304.819 ± 0.177 χ^2/NDF : 215.5/1

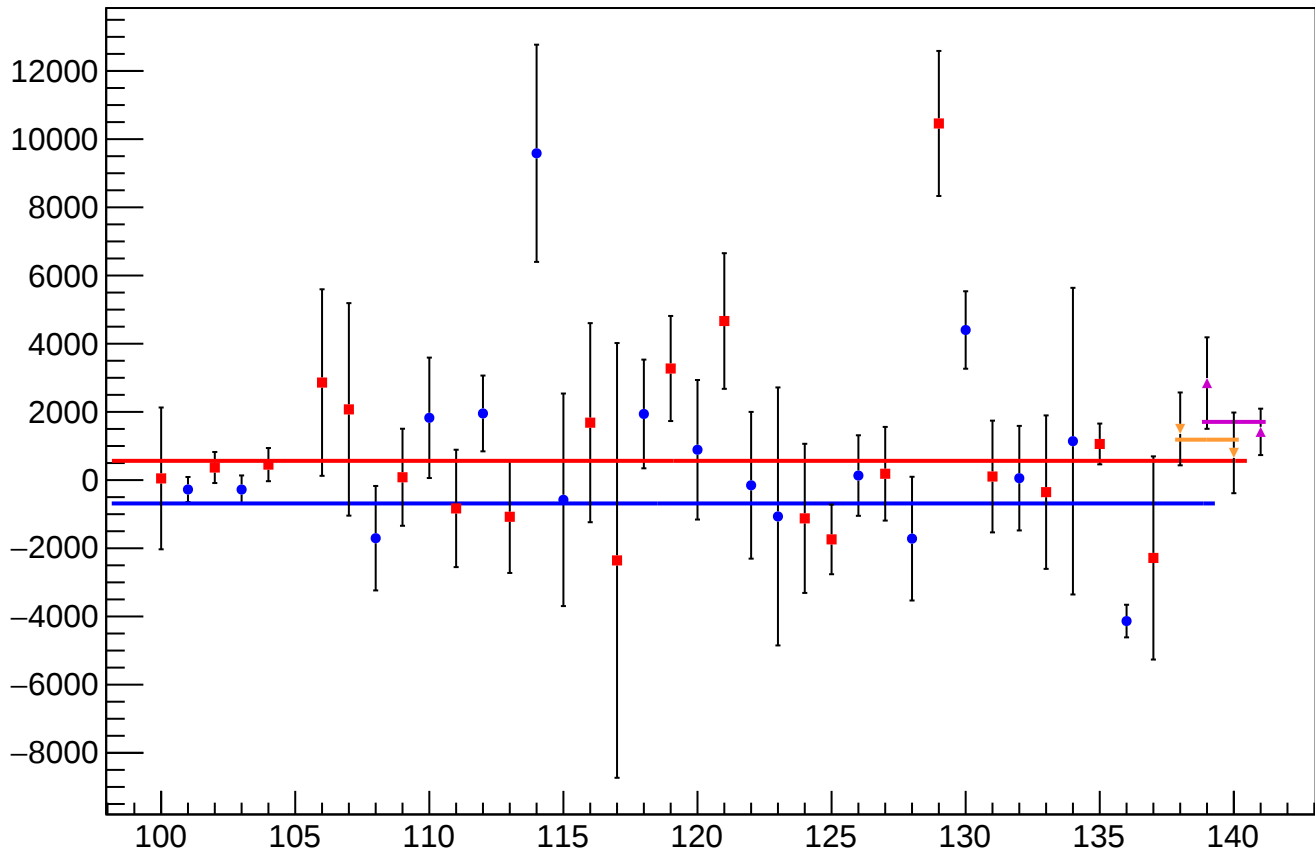
Right Out: 300.100 ± 0.081 χ^2/NDF : 490421.6/19

Left In: 271.511 ± 0.156 χ^2/NDF : 2905.0/1

306.965 ± 0.077 χ^2/NDF : 323493.3/18

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: 1185.458+/-792.952 χ^2/NDF : 0.2/1

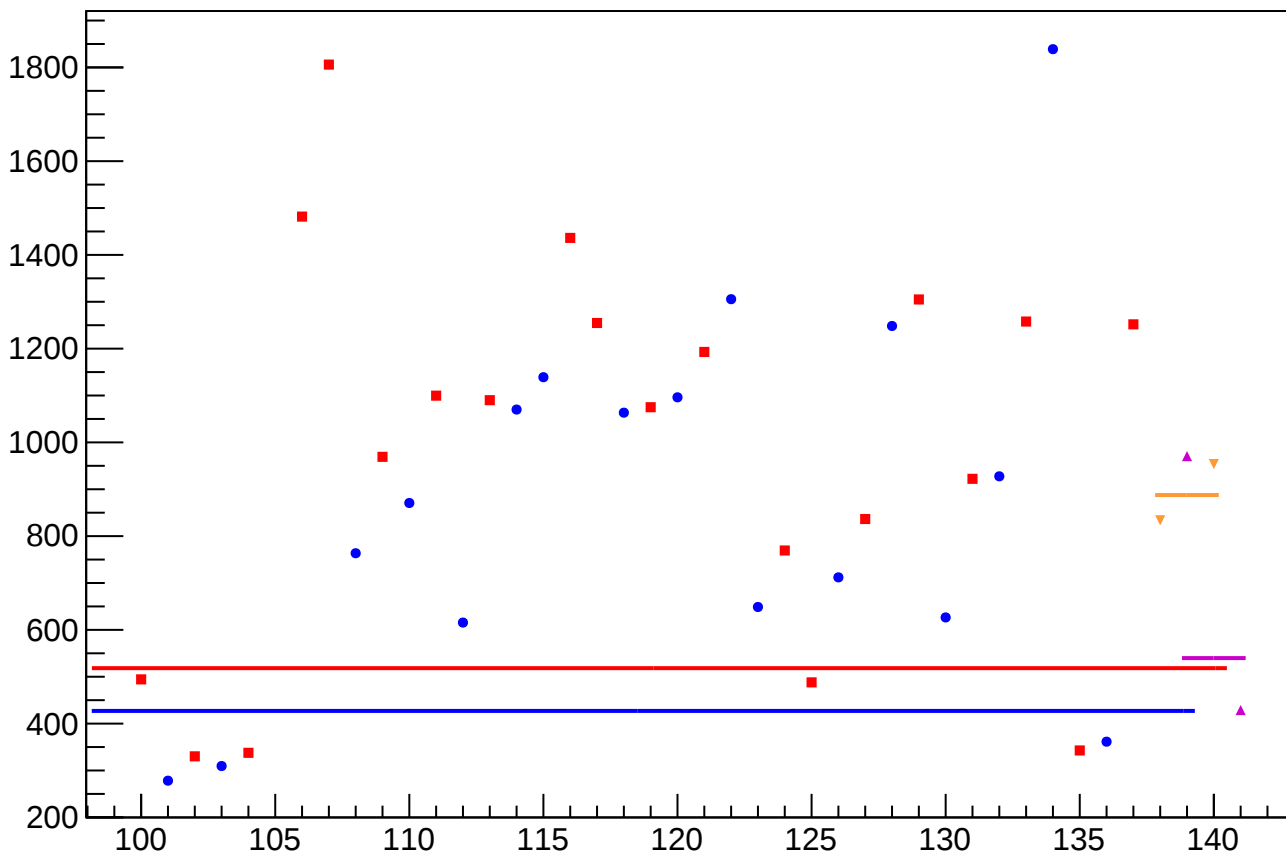
Right Out: 564.400+/-243.074 χ^2/NDF : 39.9/19

Left In: 1706.979+/-606.977 χ^2/NDF : 0.9/1

-562.091+/-203.309 χ^2/NDF : 102.8/18

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: 887.641+/-0.561 χ^2/NDF :11331.4/1

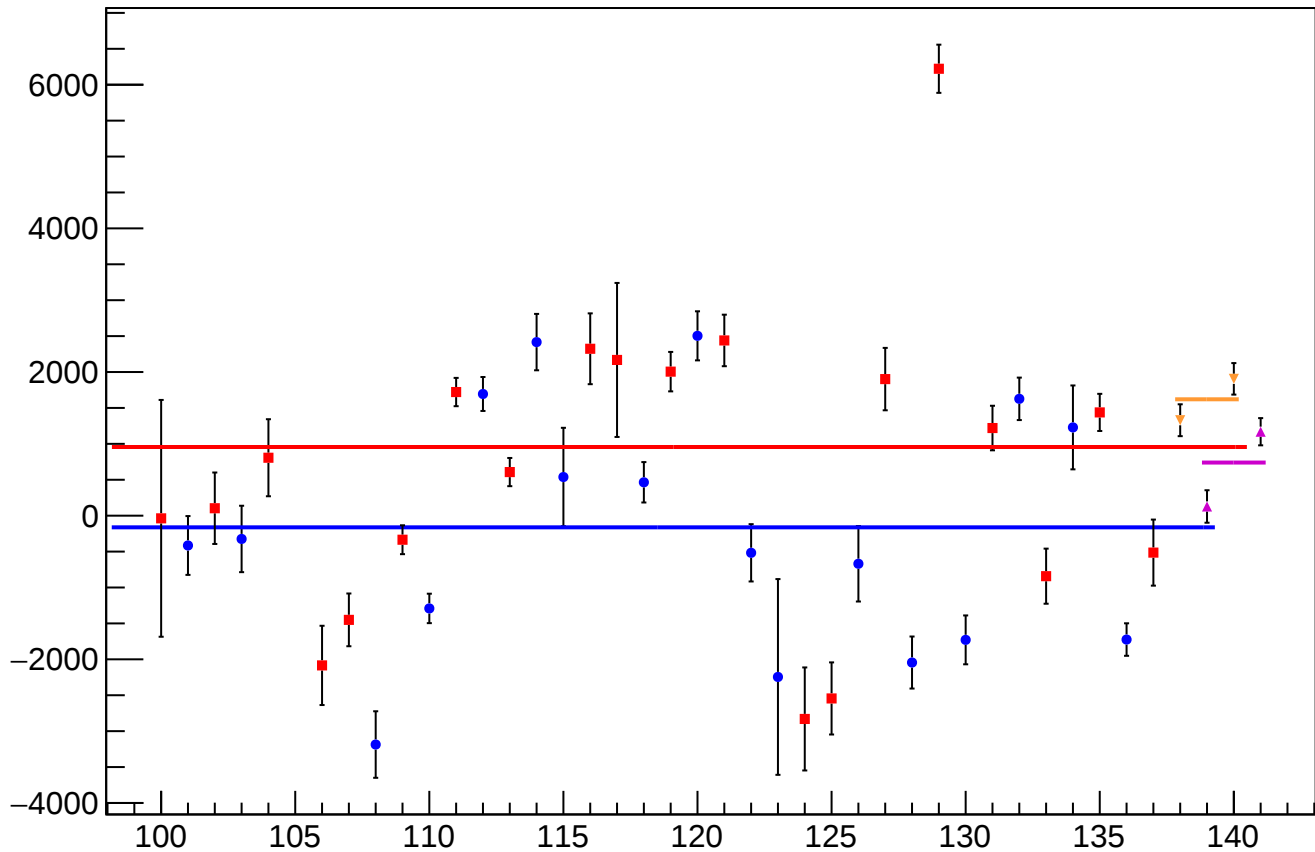
Right Out: 518.306+/-0.172 χ^2/NDF : 3631833.9/19

Left In: 539.776+/-0.429 χ^2/NDF :259247.9/1

457.356+/-0.144 χ^2/NDF : 3507357.5/18

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: 1620.243 ± 155.991 χ^2/NDF : 3.4/1

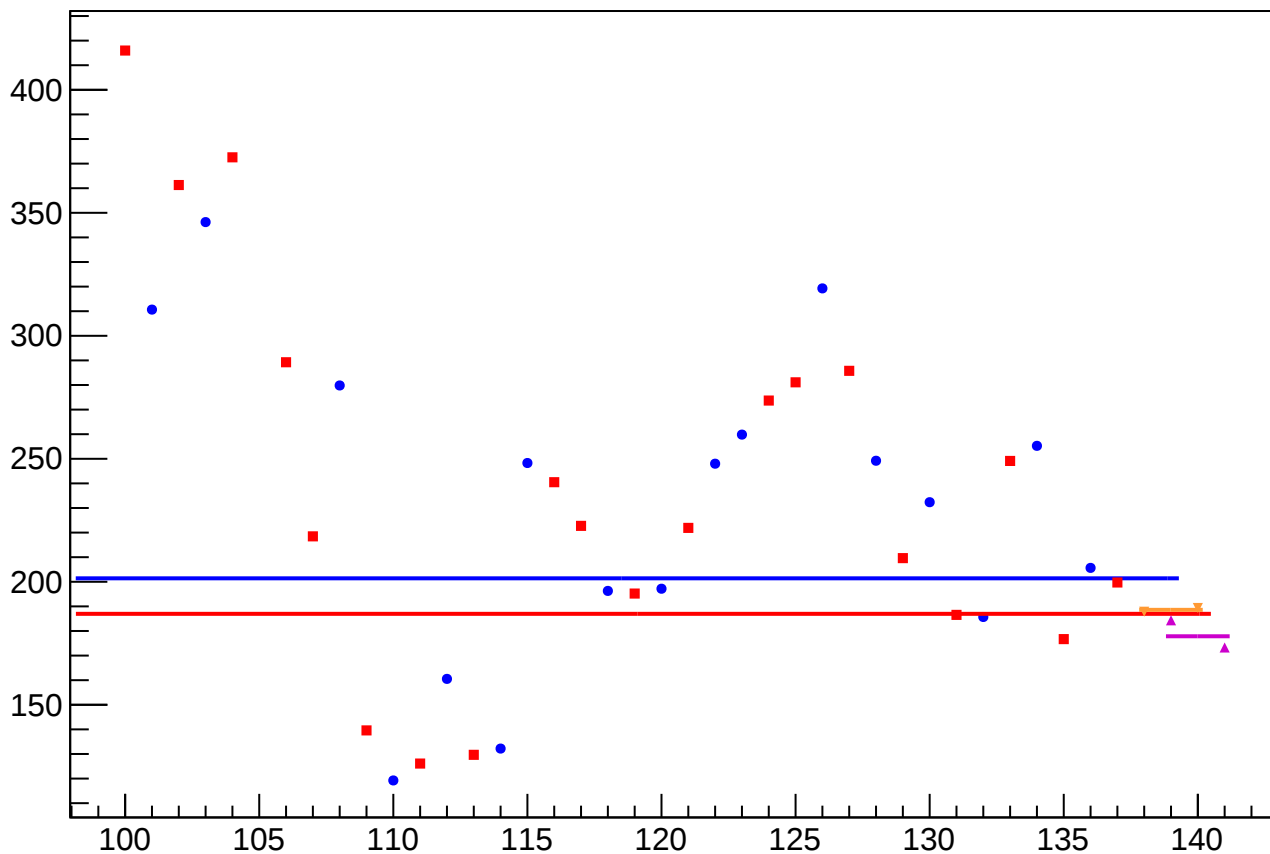
Right Out: 956.044 ± 74.949 χ^2/NDF : 541.1/19

Left In: 739.555 ± 145.257 χ^2/NDF : 12.4/1

226.186 ± 72.825 χ^2/NDF : 493.1/18

910.526 ± 66.606 χ^2/NDF : 555.3/21

asym_bpm0l04WS_rms vs Slug



Right In: 201.409+/-0.058 χ^2/NDF : 1056022.1/16

Left Out: 188.594+/-0.110 χ^2/NDF : 47.5/1

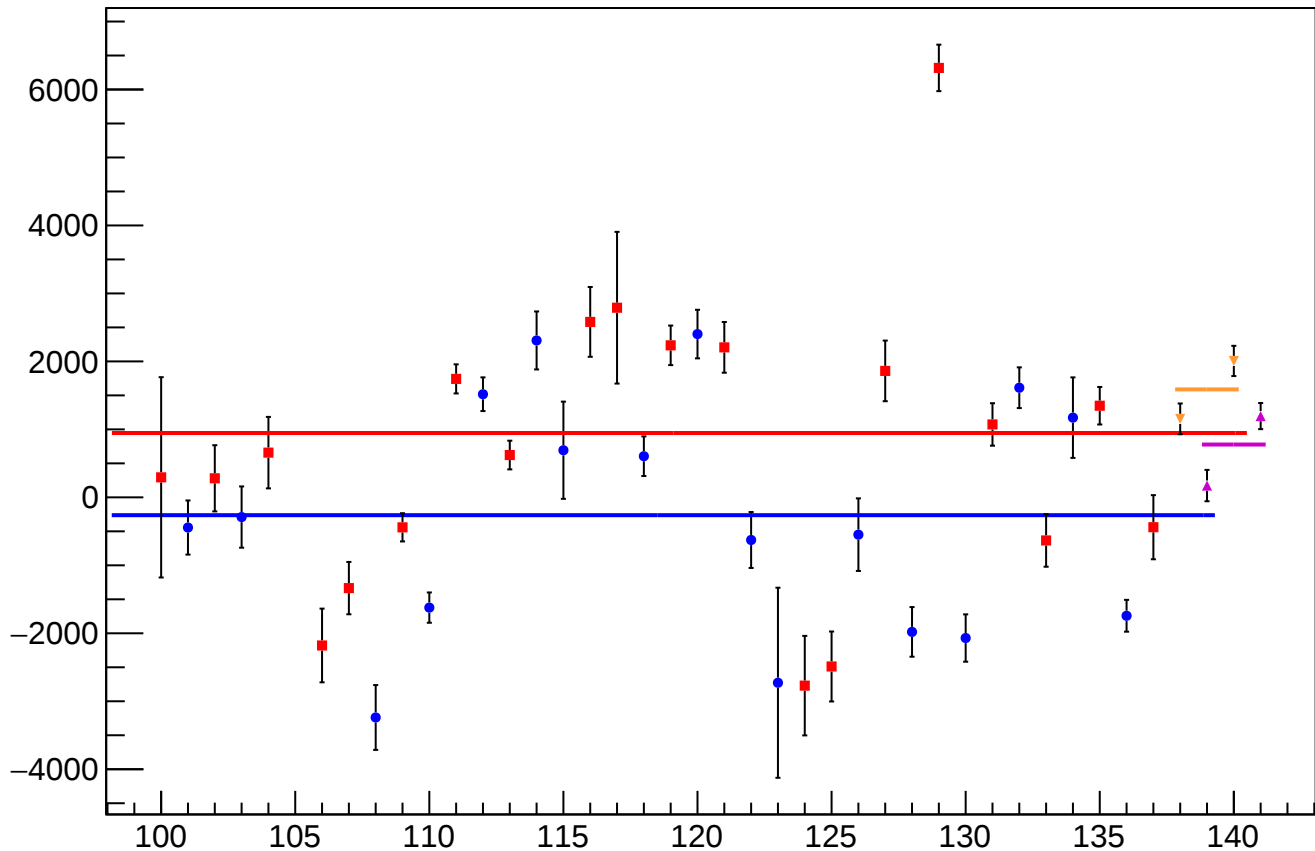
Right Out: 186.973+/-0.053 χ^2/NDF : 1395397.8/19

Left In: 177.851+/-0.103 χ^2/NDF : 2805.9/1

198.616+/-0.051 χ^2/NDF : 1066626.1/18

185.055+/-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: 1587.968+/-158.730 χ^2/NDF : 7.2/1

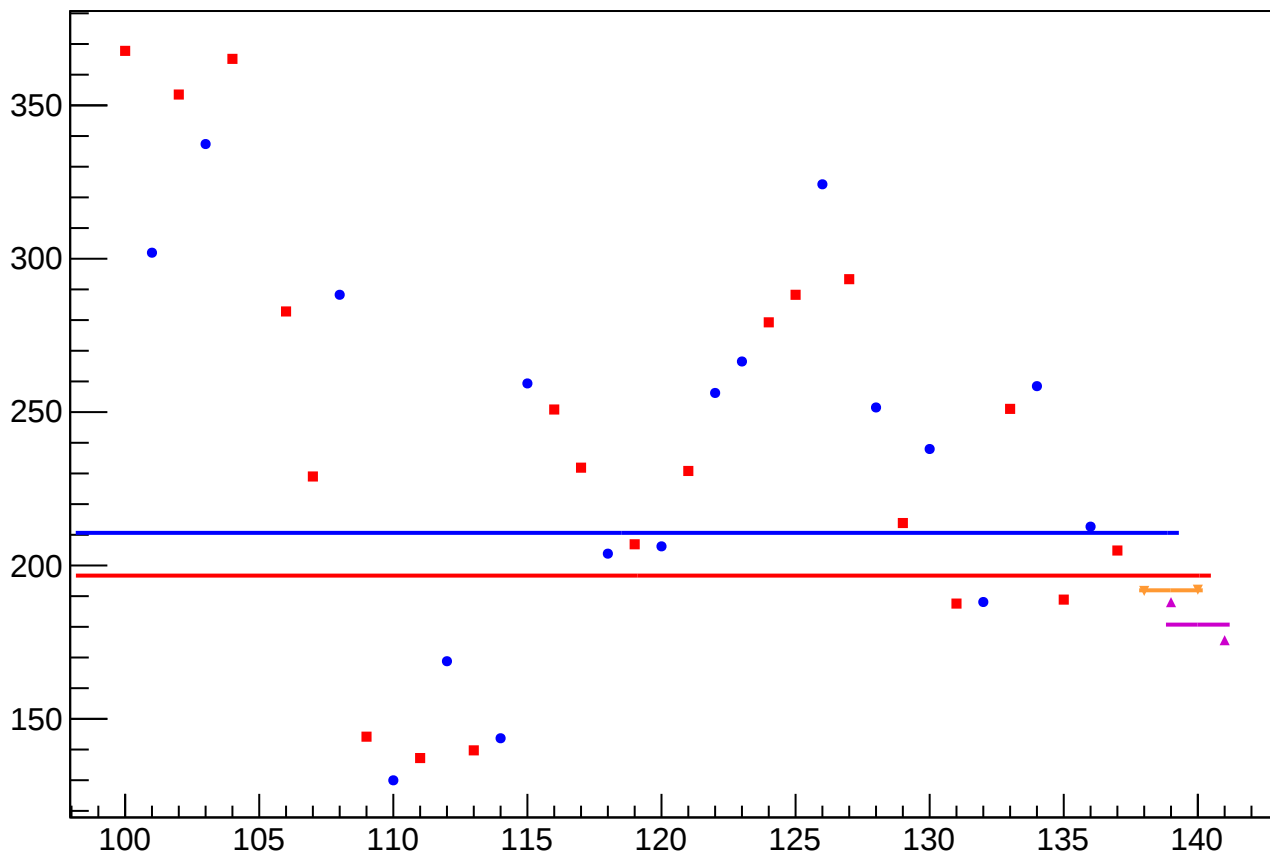
Right Out: 946.785+/-78.241 χ^2/NDF : 524.6/19

Left In: 776.840+/-147.571 χ^2/NDF : 11.6/1

153.290+/-75.229 χ^2/NDF : 481.3/18

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: 191.908±/0.112 χ^2/NDF : 3.1/1

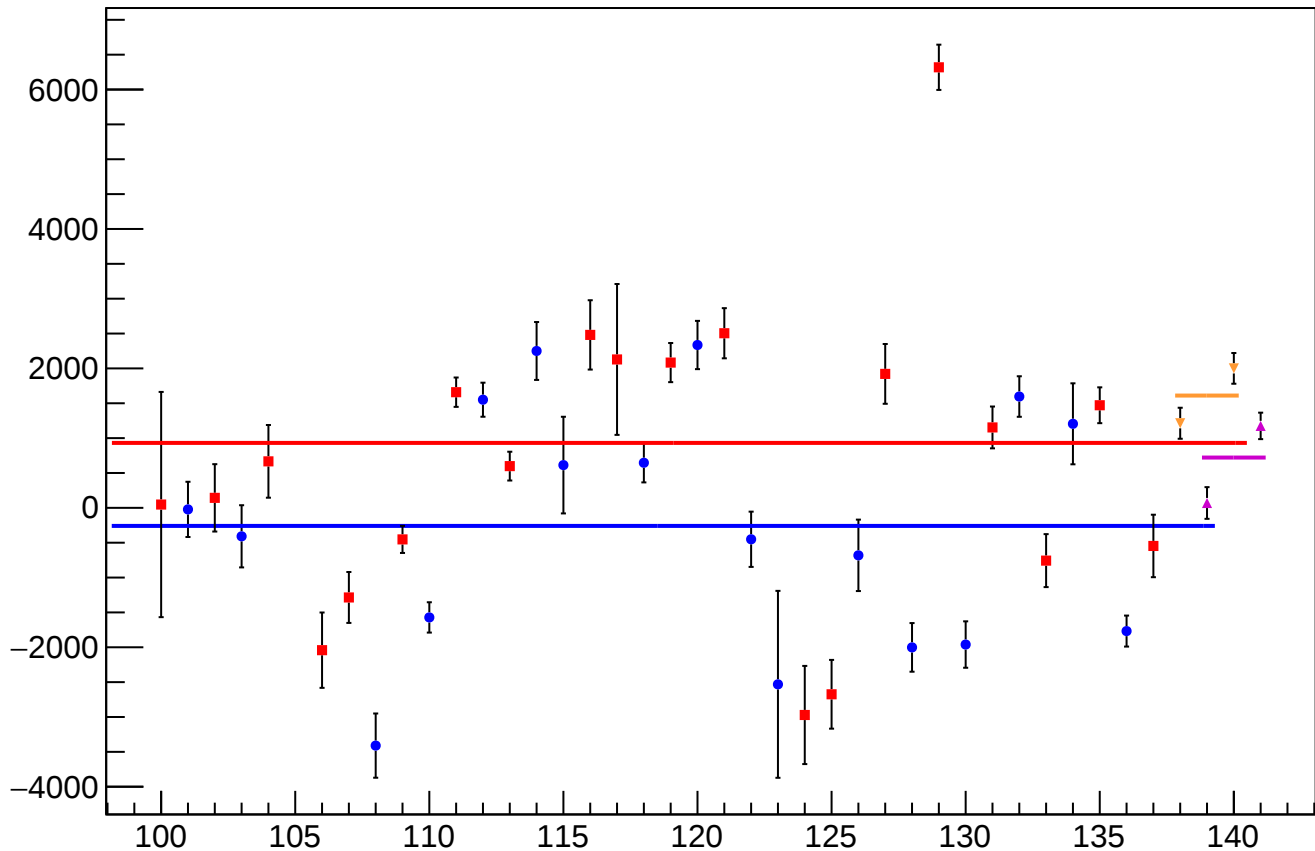
Right Out: 196.702±/0.055 χ^2/NDF : 1207089.6/19

Left In: 180.721±/0.104 χ^2/NDF : 3417.4/1

206.429±/0.053 χ^2/NDF : 897366.2/18

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: 1610.508+/-156.549 χ^2/NDF : 6.3/1

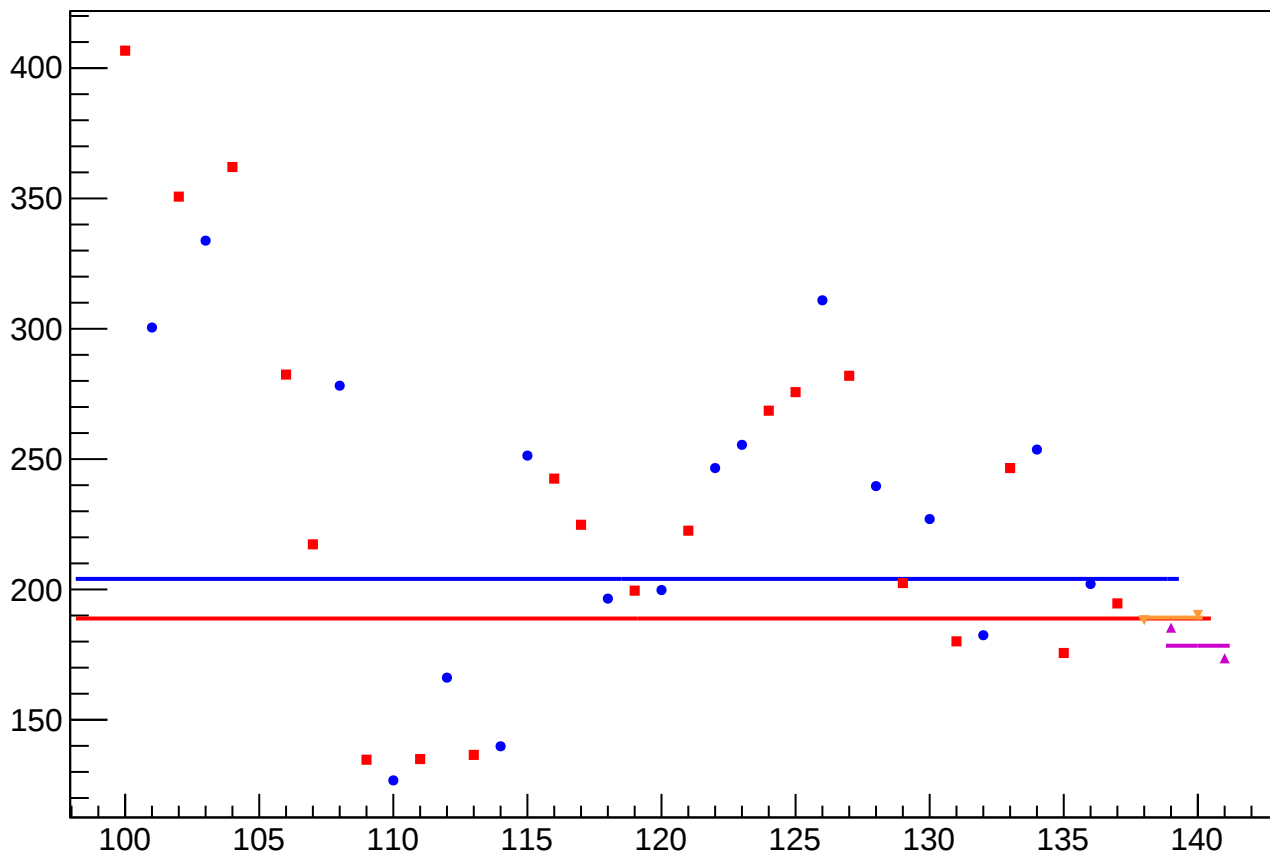
Right Out: 931.363+/-75.320 χ^2/NDF : 583.1/19

Left In: 721.276+/-145.717 χ^2/NDF : 13.9/1

149.567+/-73.194 χ^2/NDF : 509.0/18

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: 189.221+/-0.111 χ^2/NDF : 82.3/1

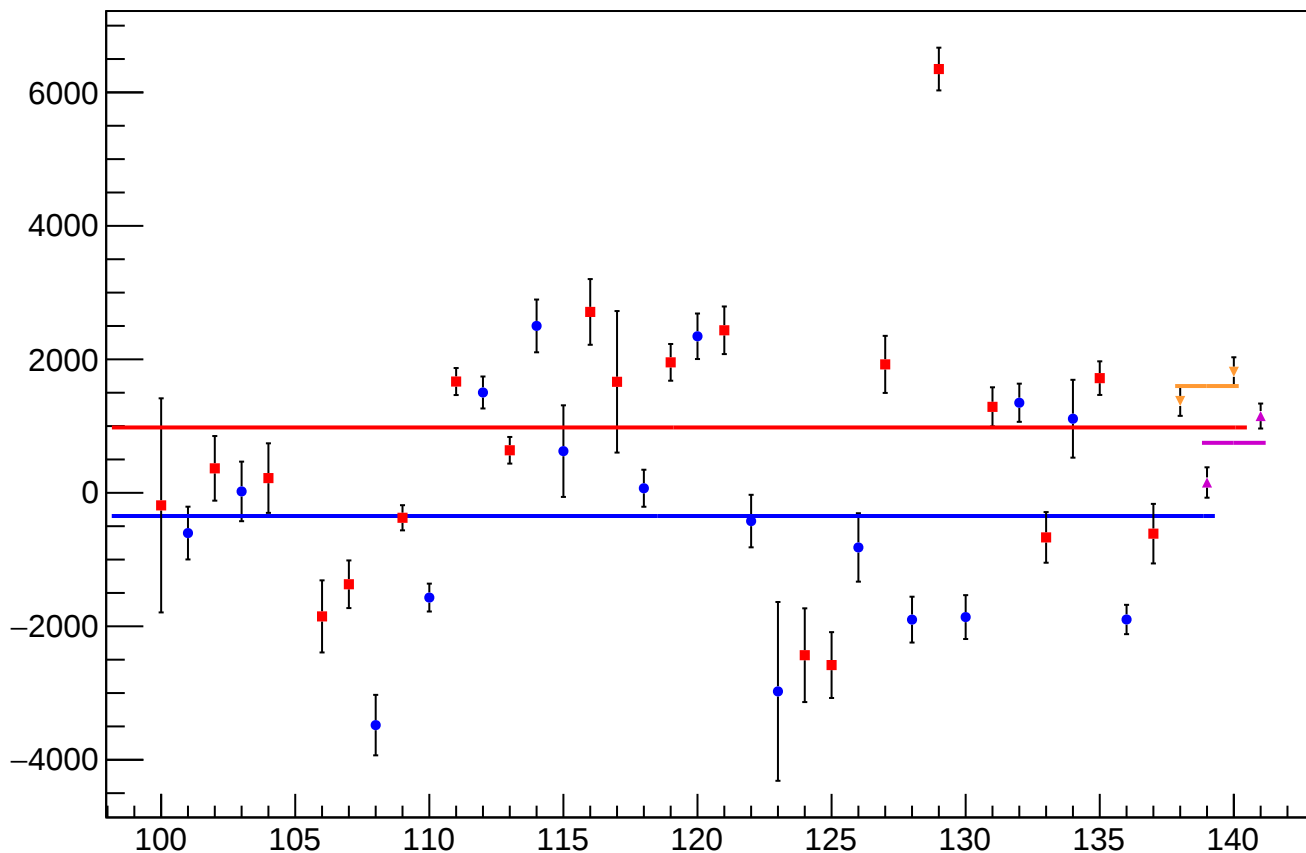
Right Out: 188.856+/-0.053 χ^2/NDF : 1253327.1/19

Left In: 178.416+/-0.103 χ^2/NDF : 3152.2/1

200.809+/-0.052 χ^2/NDF : 882530.8/18

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: 1600.190+/-155.675 χ^2/NDF : 2.0/1

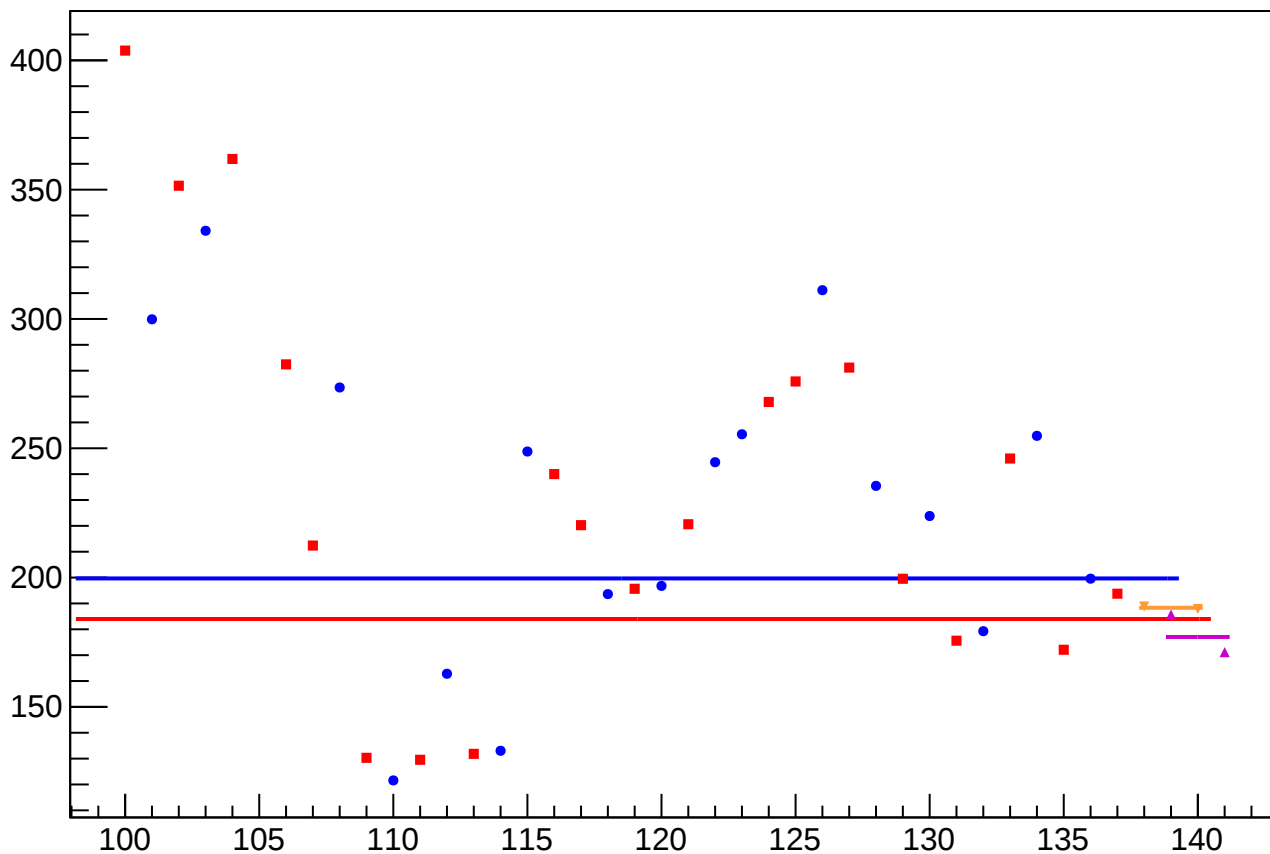
Right Out: 979.606+/-73.710 χ^2/NDF : 586.1/19

Left In: 749.199+/-144.622 χ^2/NDF : 11.4/1

70.221+/-72.077 χ^2/NDF : 524.0/18

932.095+/-65.672 χ^2/NDF : 599.5/21

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 $\pm$ 0.058 χ^2 /NDF: 943155.1/16

Left Out: 188.324 $\pm$ 0.110 χ^2 /NDF:18.6/1

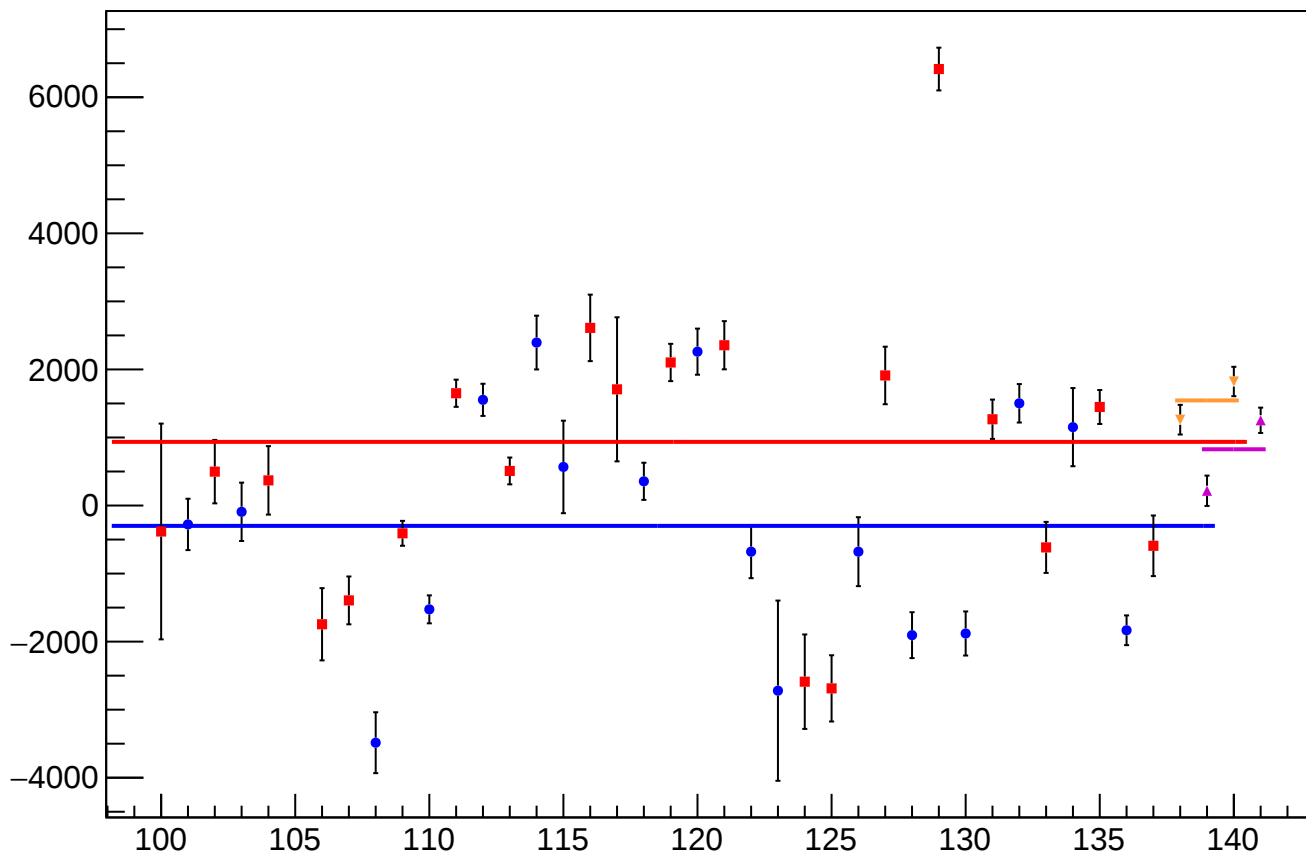
Right Out: 183.984 $\pm$ 0.052 χ^2 /NDF: 1351978.1/19

Left In: 177.035 $\pm$ 0.102 χ^2 /NDF:4864.1/1

197.237 $\pm$ 0.051 χ^2 /NDF: 951518.2/18

182.551 $\pm$ 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: 1544.756 ± 153.475 χ^2/NDF : 3.3/1

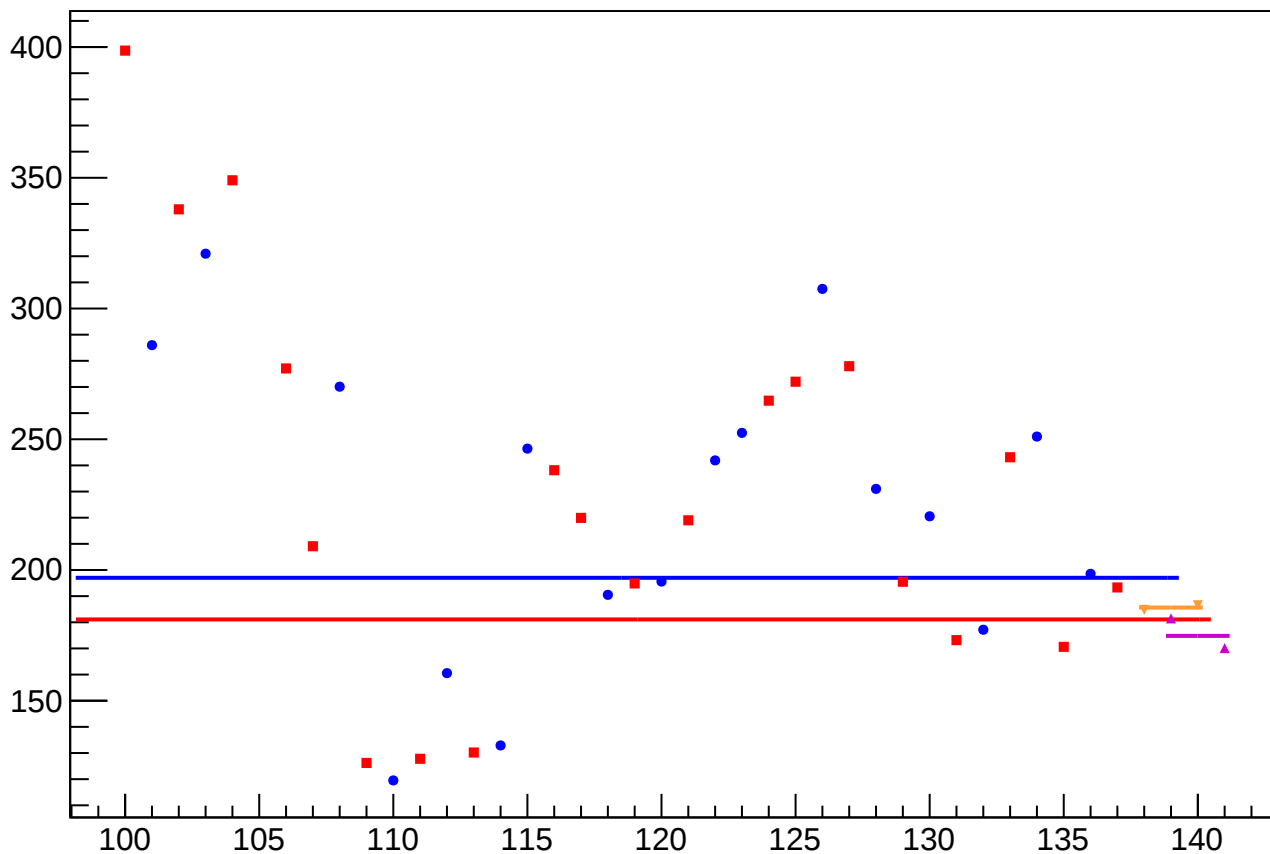
Right Out: 935.490 ± 72.580 χ^2/NDF : 615.3/19

Left In: 826.728 ± 142.810 χ^2/NDF : 12.7/1

96.216 ± 71.054 χ^2/NDF : 523.3/18

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: 185.626 ± 0.109 χ^2/NDF : 66.0/1

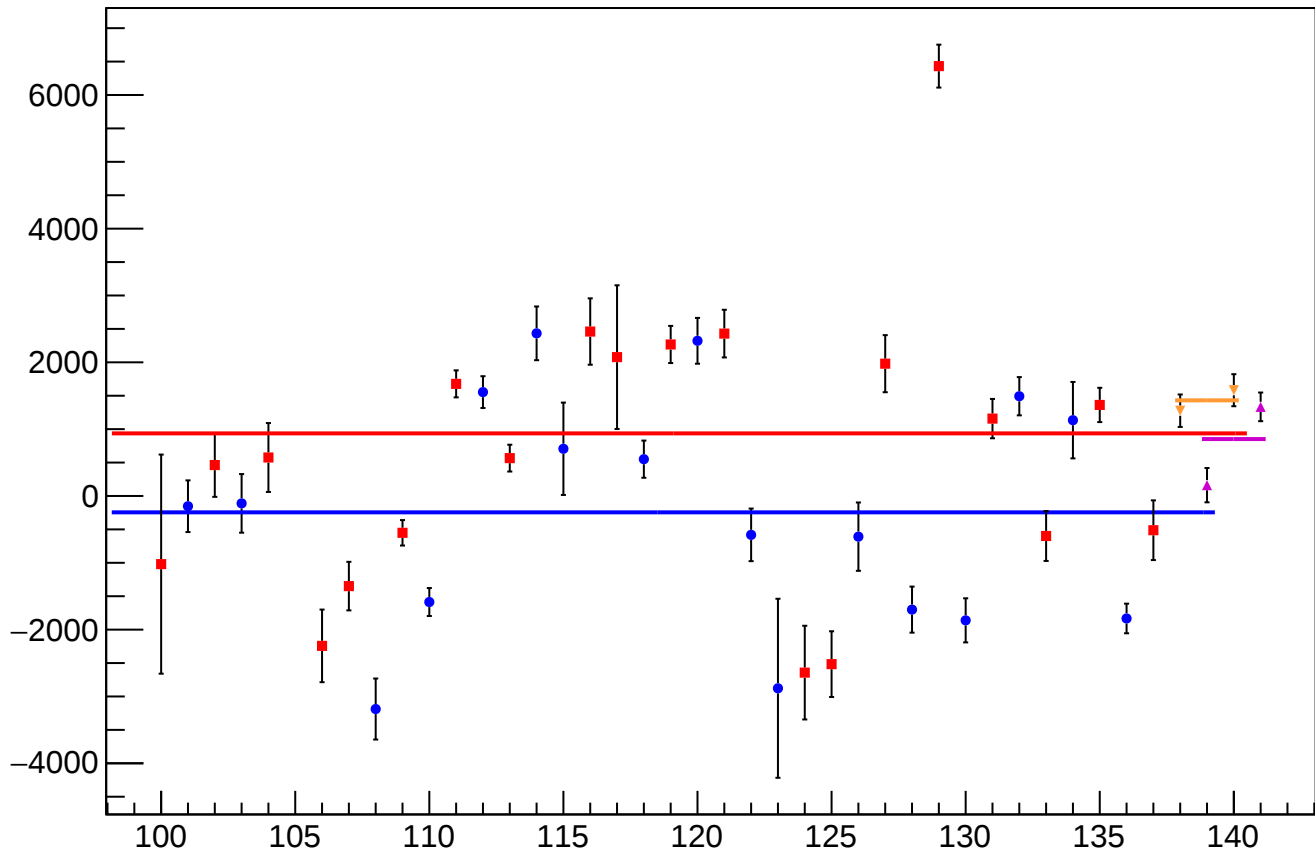
Right Out: 181.089 ± 0.051 χ^2/NDF : 1348390.5/19

Left In: 174.805 ± 0.101 χ^2/NDF : 3063.1/1

194.573 ± 0.050 χ^2/NDF : 920639.7/18

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: 1431.295+/-170.571 χ^2/NDF : 0.8/1

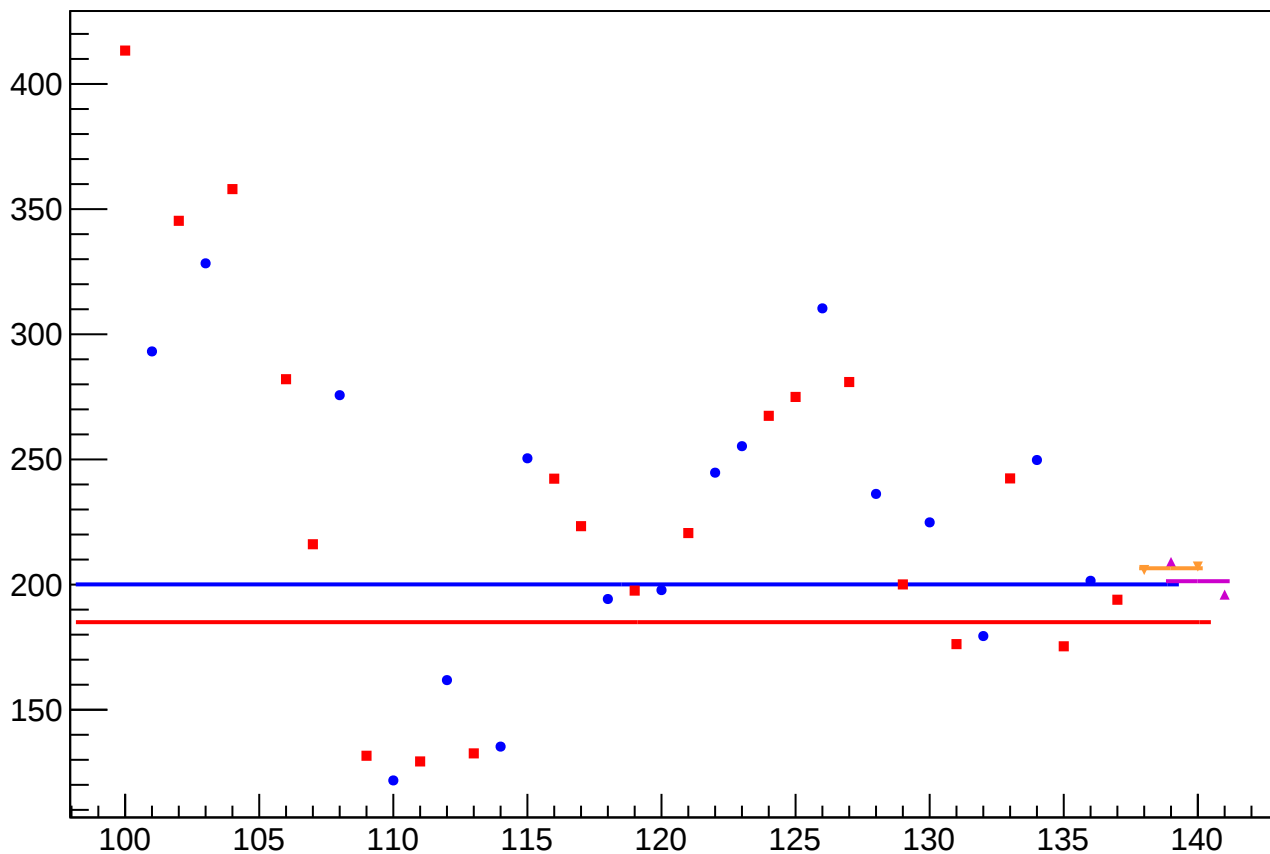
Right Out: 936.709+/-74.030 χ^2/NDF : 610.9/19

Left In: 851.712+/-164.531 χ^2/NDF : 12.3/1

65.974+/-73.460 χ^2/NDF : 470.9/18

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: 206.528+/-0.121 χ^2/NDF :32.9/1

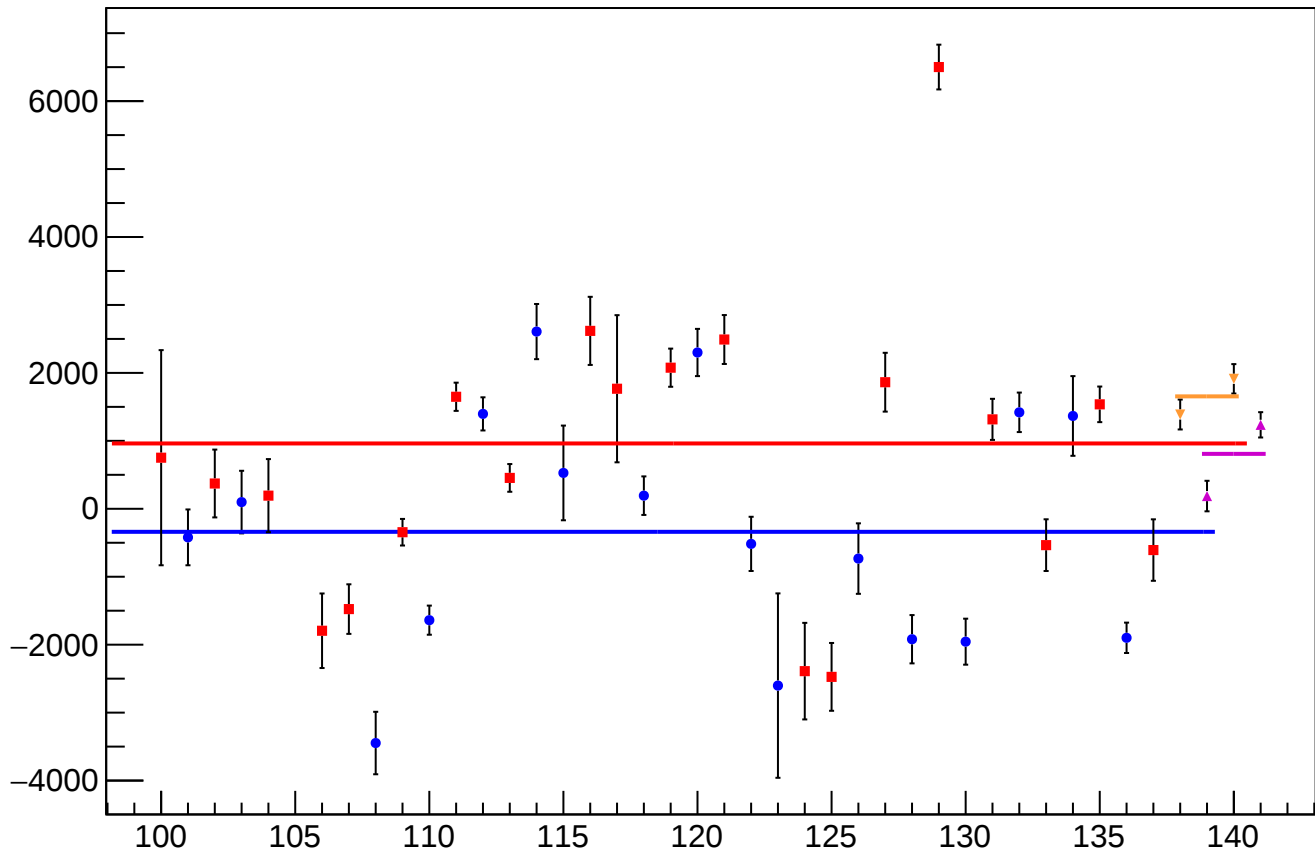
Right Out: 184.990+/-0.052 χ^2/NDF : 1320825.4/19

Left In: 201.357+/-0.116 χ^2/NDF :3035.4/1

201.275+/-0.052 χ^2/NDF : 920671.2/18

187.746+/-0.048 χ^2/NDF : 1340320.1/21

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 $\chi^2/\text{NDF}: 389.5/16$

Left Out: 1654.525 ± 154.391 $\chi^2/\text{NDF}: 2.9/1$

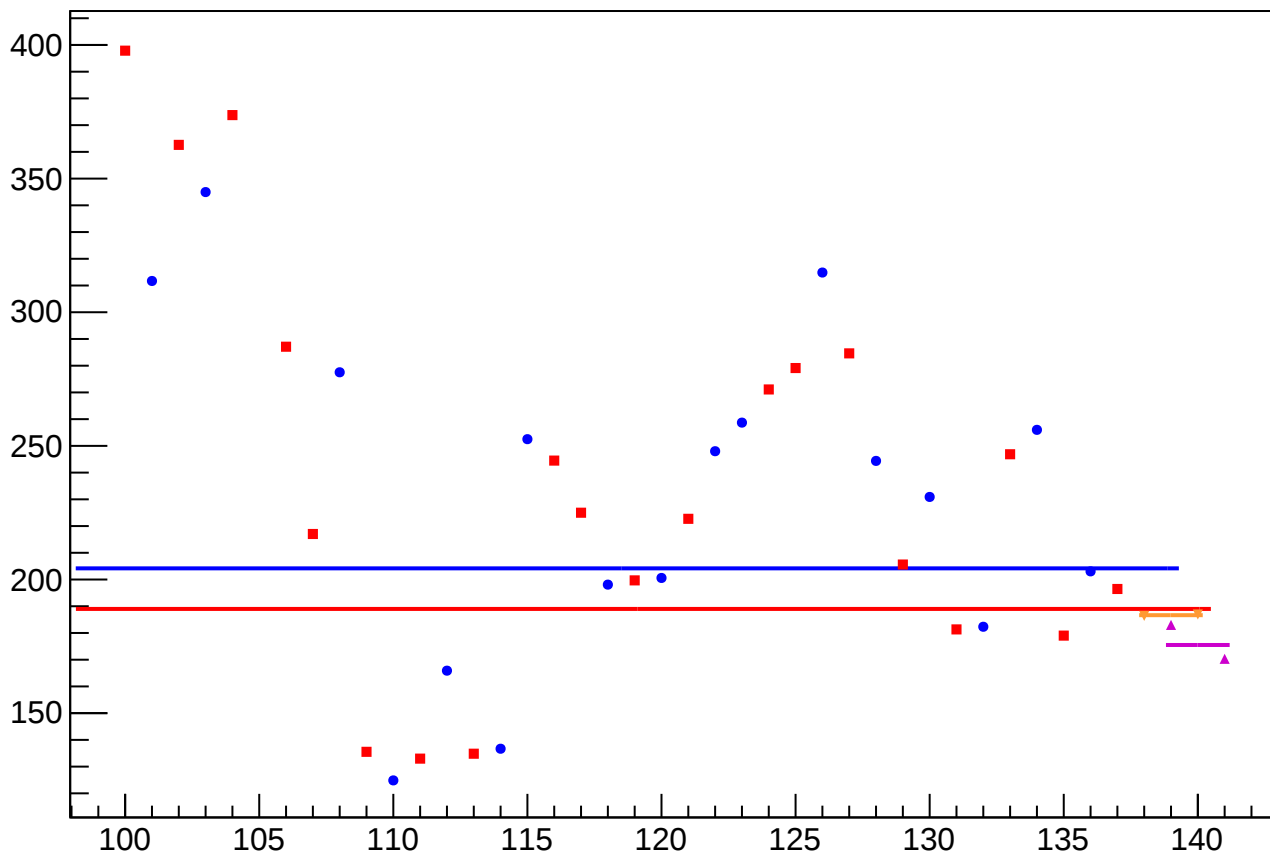
Right Out: 961.556 ± 75.564 $\chi^2/\text{NDF}: 570.9/19$

Left In: 808.336 ± 143.393 $\chi^2/\text{NDF}: 12.9/1$

109.021 ± 73.189 $\chi^2/\text{NDF}: 521.6/18$

928.254 ± 66.850 $\chi^2/\text{NDF}: 584.7/21$

asym_bpm0l10WS_rms vs Slug



Right In: 204.175 ± 0.059 χ^2/NDF : 947438.5/16

Left Out: 186.657 ± 0.109 χ^2/NDF : 5.9/1

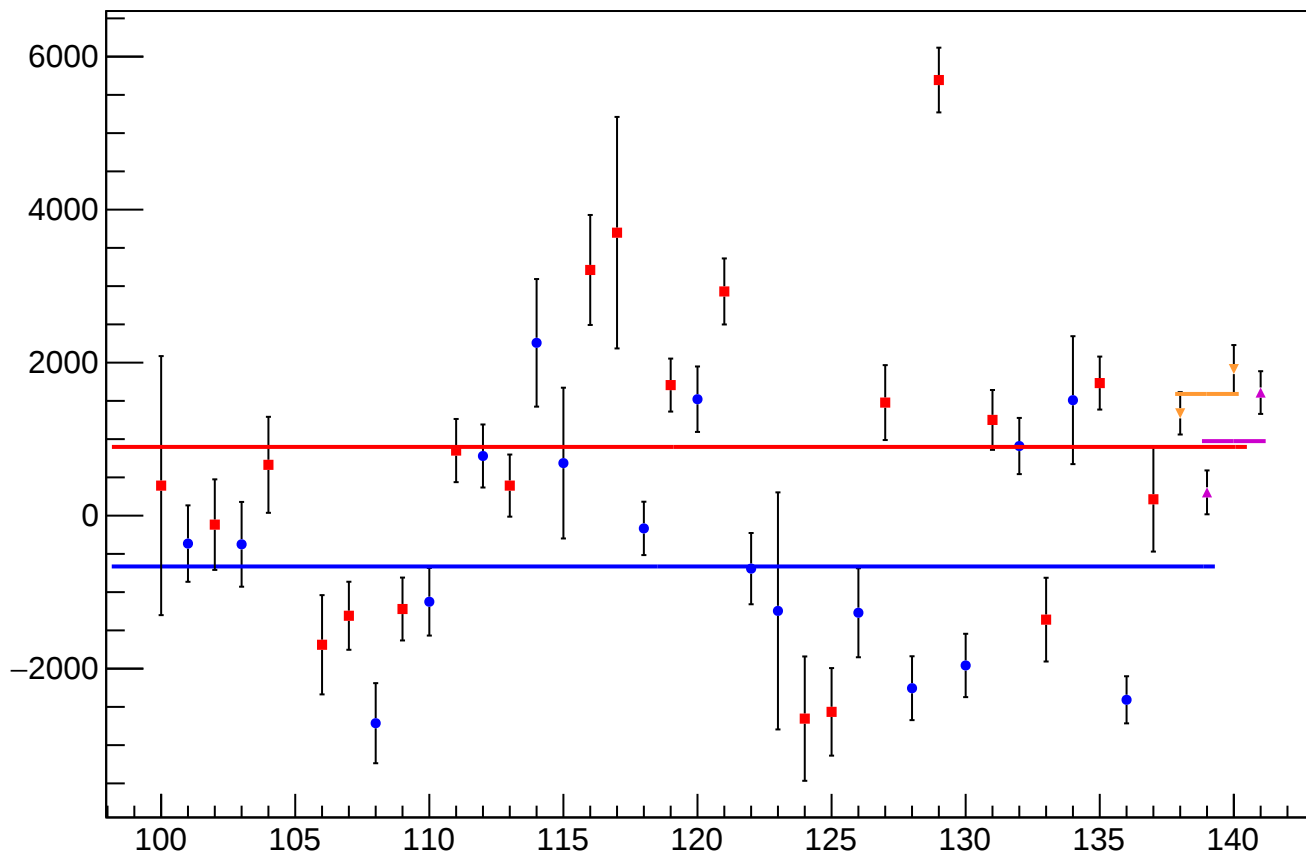
Right Out: 188.997 ± 0.053 χ^2/NDF : 1317112.1/19

Left In: 175.507 ± 0.101 χ^2/NDF : 3779.9/1

200.238 ± 0.052 χ^2/NDF : 967405.8/18

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: 1590.741 ± 207.686 χ^2/NDF : 1.9/1

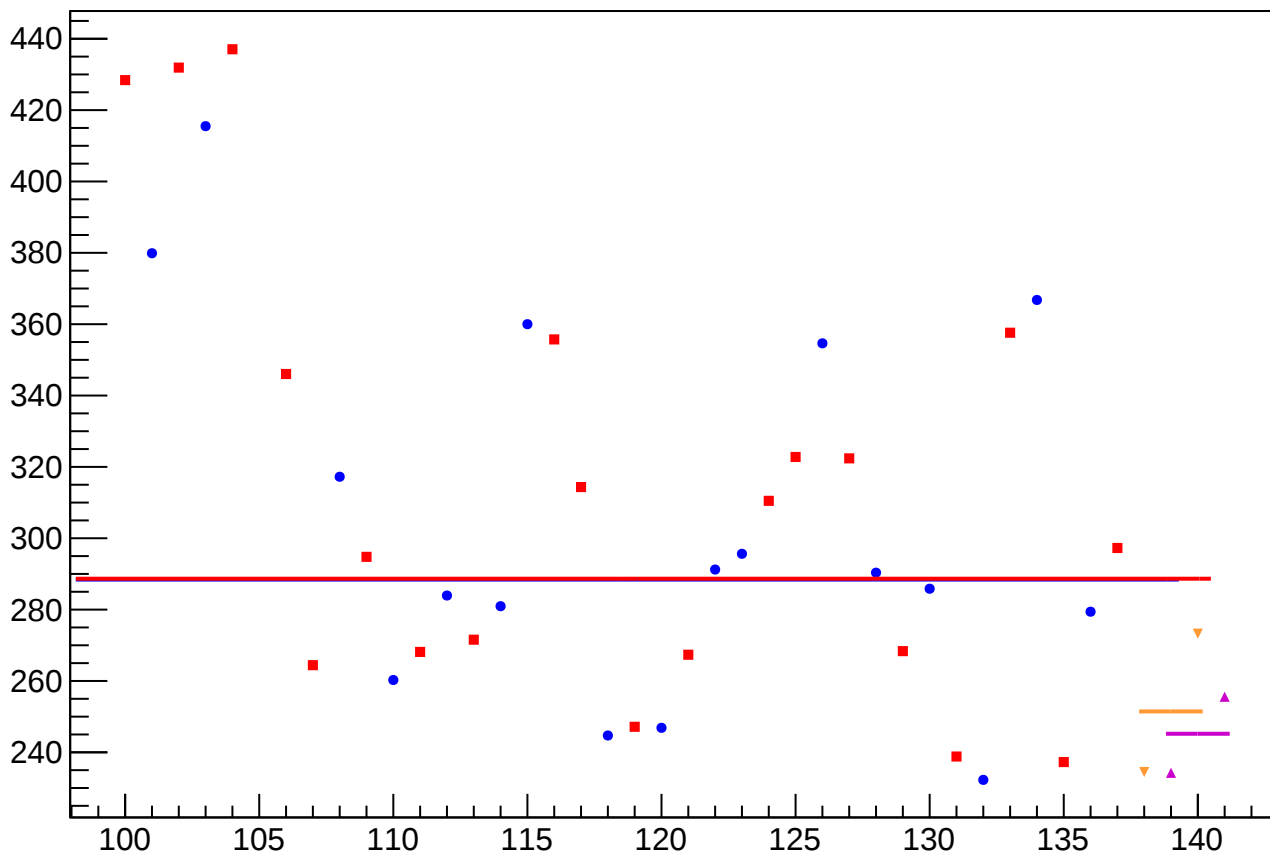
Right Out: 898.290 ± 110.578 χ^2/NDF : 323.5/19

Left In: 974.053 ± 200.032 χ^2/NDF : 10.6/1

-142.601 ± 99.900 χ^2/NDF : 246.9/18

916.023 ± 96.776 χ^2/NDF : 334.2/21

asym_bpm0r03WS_rms vs Slug



Right In: 288.428+/-0.081 χ^2/NDF : 339820.0/16

Left Out: 251.455+/-0.147 χ^2/NDF : 17158.7/1

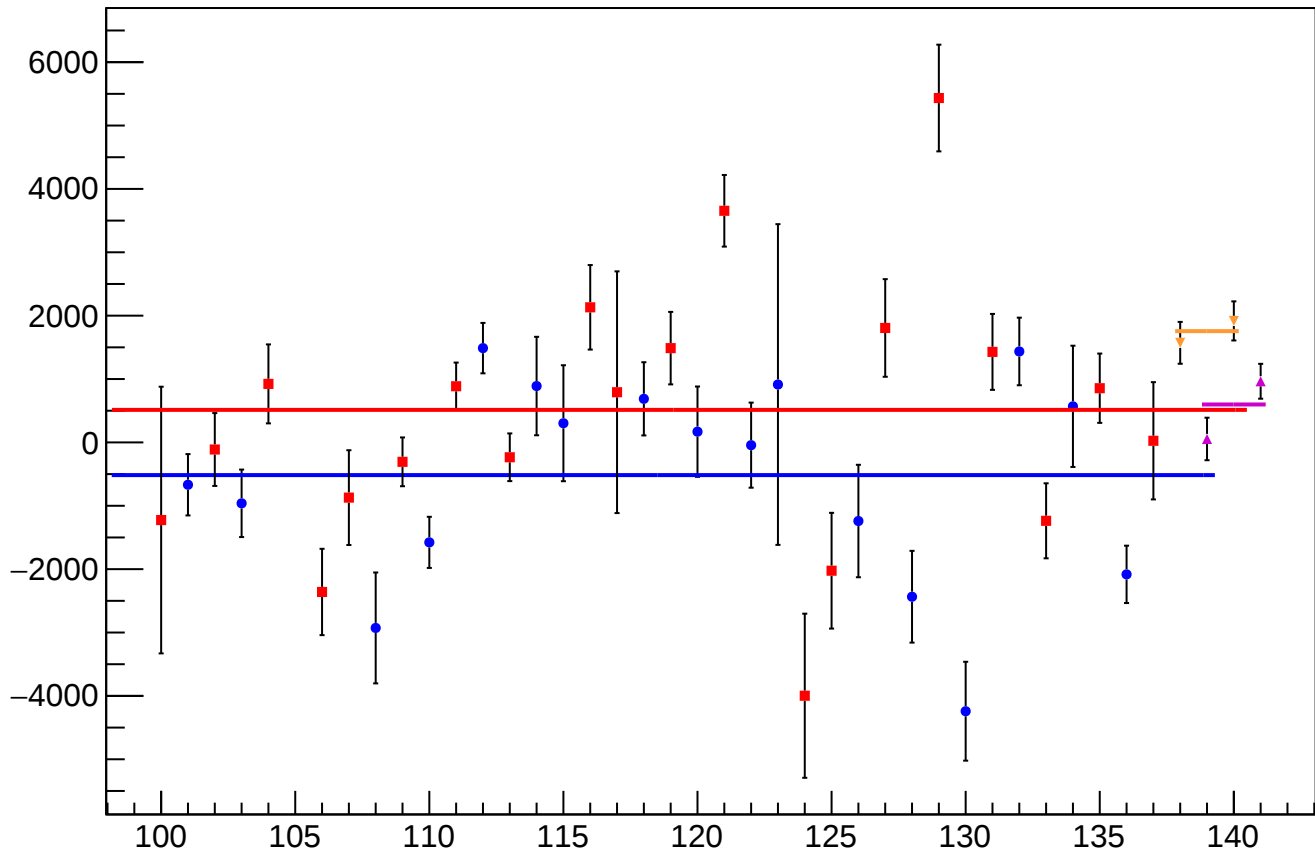
Right Out: 288.660+/-0.078 χ^2/NDF : 455989.7/19

Left In: 245.203+/-0.141 χ^2/NDF : 5671.4/1

279.873+/-0.071 χ^2/NDF : 405698.3/18

278.488+/-0.068 χ^2/NDF : 533963.1/21

asym_bpm0r05WS_mean vs Slug



Right In: -515.894 ± 147.326 χ^2/NDF : 108.0/16

Left Out: 1755.924 ± 225.420 χ^2/NDF : 0.6/1

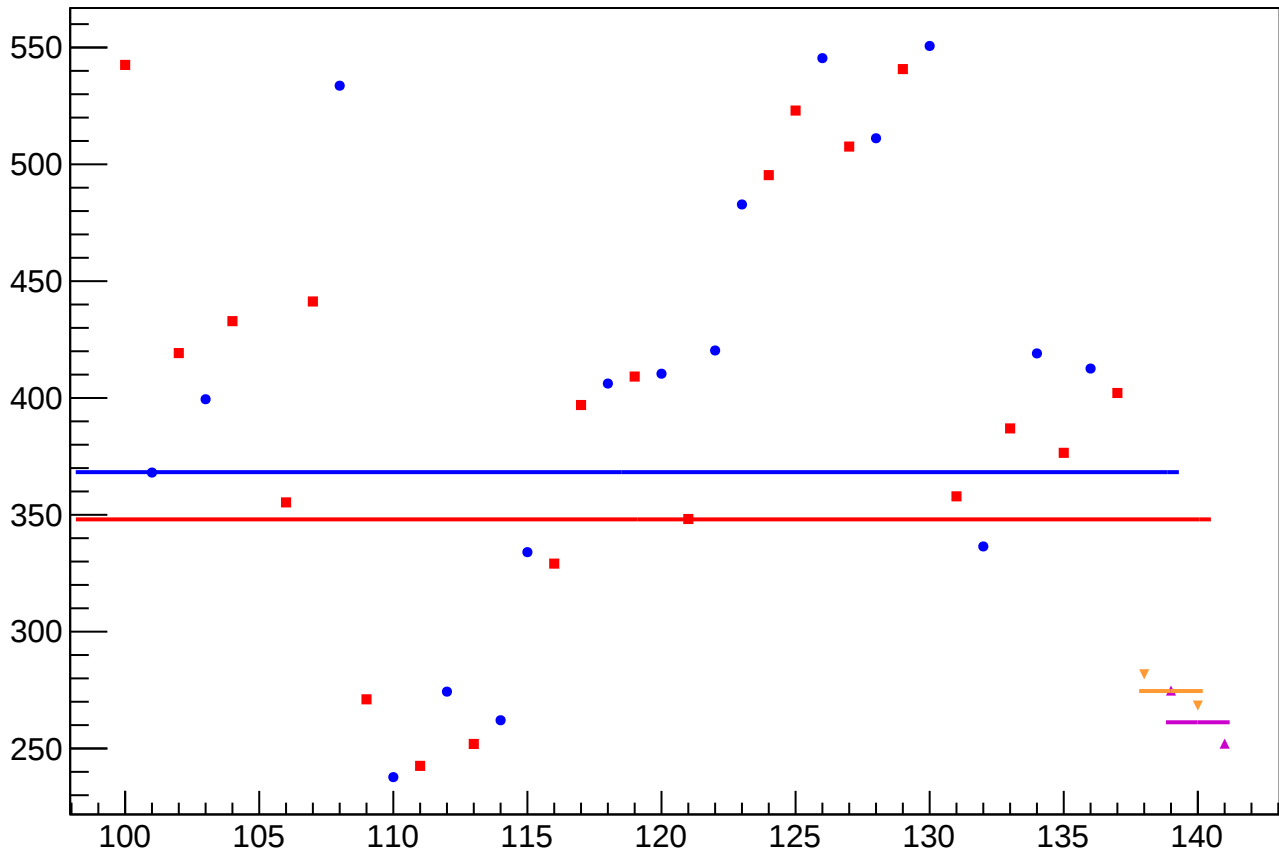
Right Out: 513.264 ± 135.456 χ^2/NDF : 141.3/19

Left In: 598.489 ± 212.753 χ^2/NDF : 4.4/1

164.063 ± 123.324 χ^2/NDF : 179.8/18

537.846 ± 114.262 χ^2/NDF : 145.8/21

asym_bpm0r05WS_rms vs Slug



Right In: 368.264 ± 0.104 χ^2/NDF : 770116.6/16

Left Out: 274.592 ± 0.159 χ^2/NDF : 1755.3/1

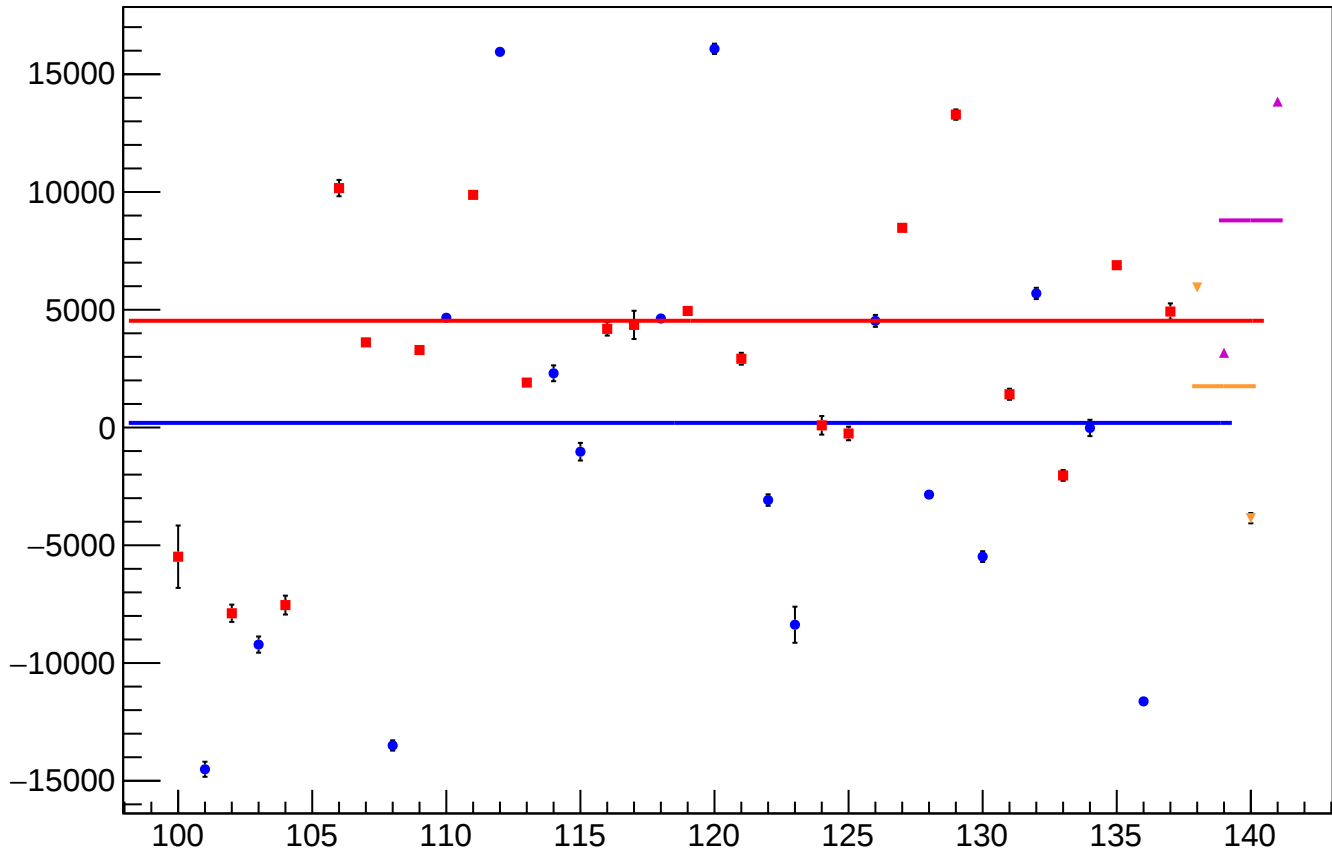
Right Out: 348.050 ± 0.096 χ^2/NDF : 823186.4/19

Left In: 261.214 ± 0.150 χ^2/NDF : 5479.5/1

340.228 ± 0.087 χ^2/NDF : 1013861.4/18

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: 1753.844+/-143.434 χ^2/NDF : 1142.1/1

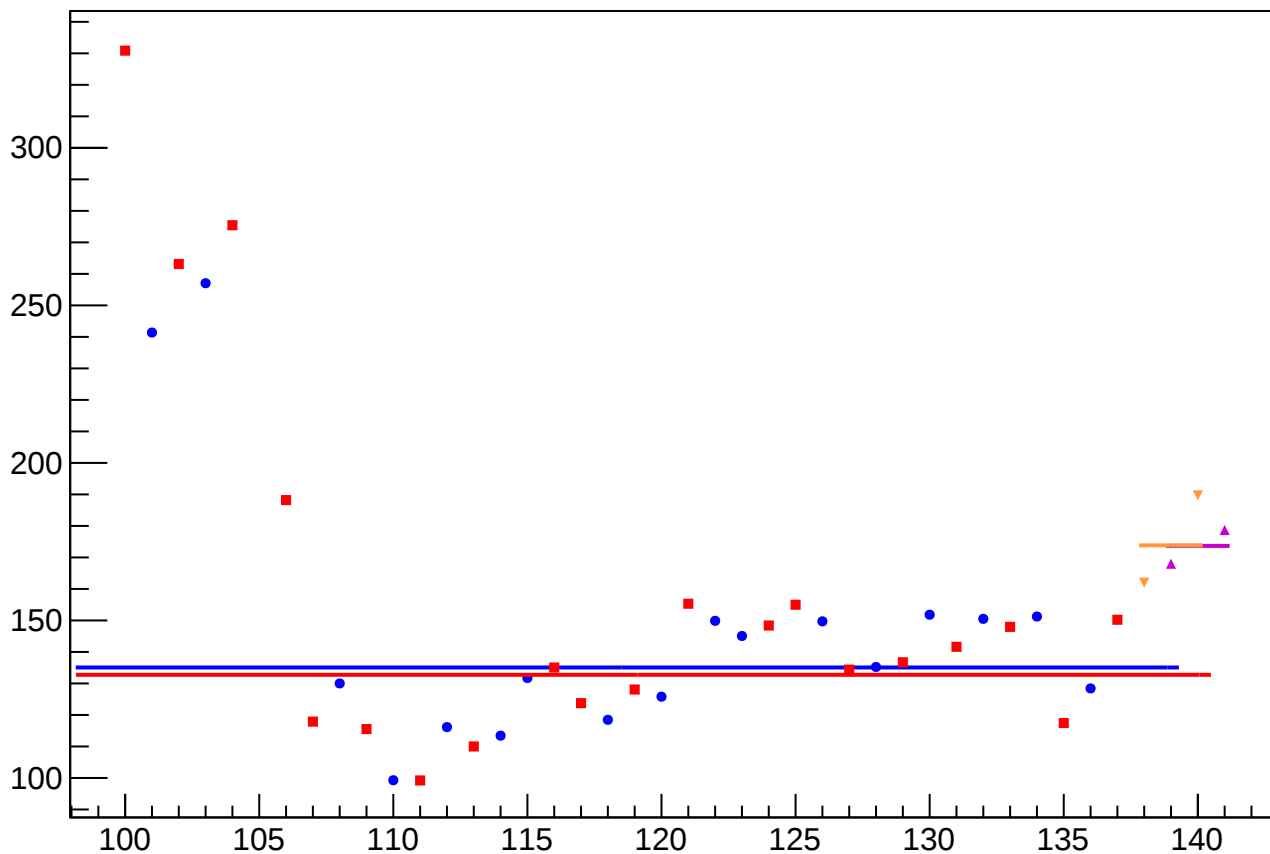
Right Out: 4532.856+/-52.261 χ^2/NDF : 7477.3/19

Left In: 8794.609+/-141.893 χ^2/NDF : 1408.4/1

395.302+/-51.190 χ^2/NDF : 31903.1/18

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: 173.841 ± 0.101 χ^2/NDF : 18271.6/1

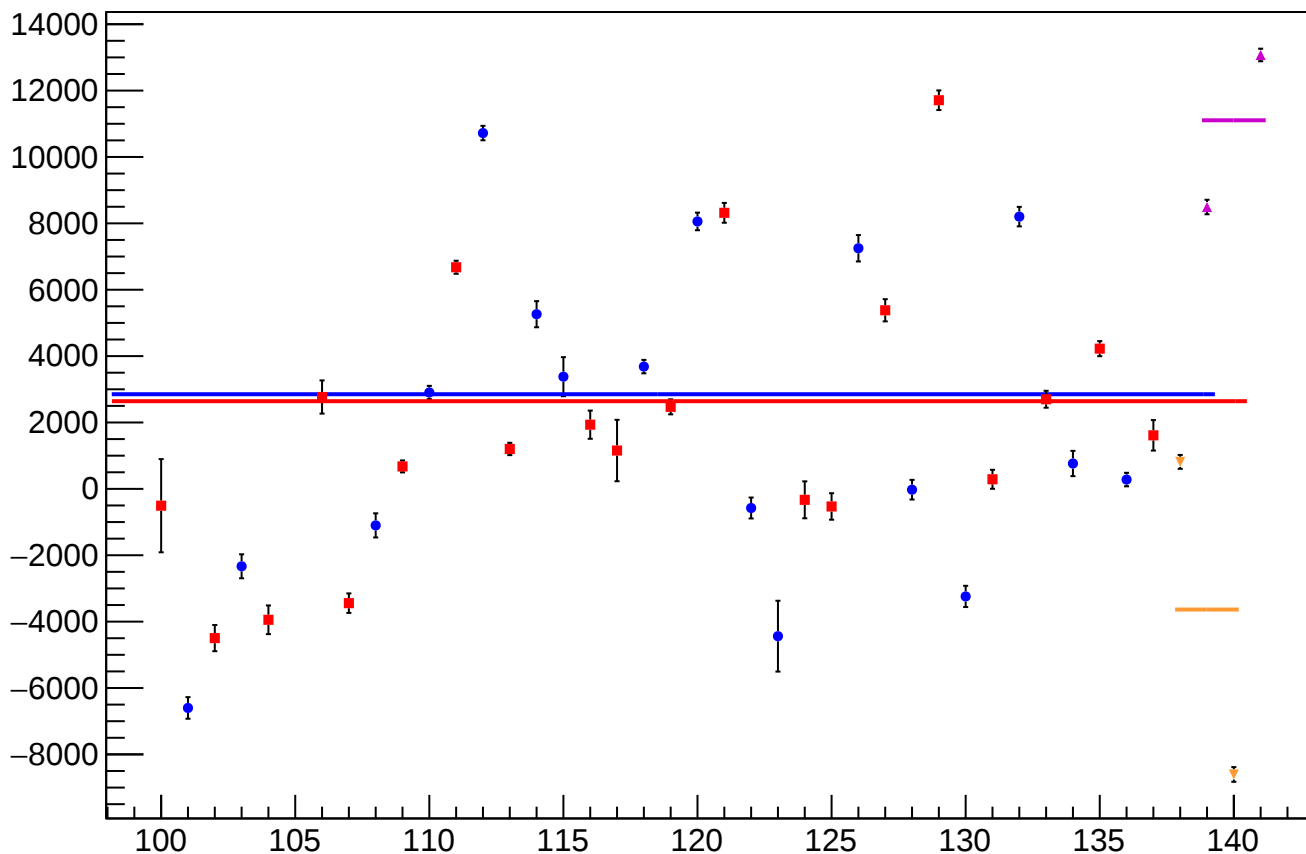
Right Out: 132.747 ± 0.037 χ^2/NDF : 831647.2/19

Left In: 173.651 ± 0.100 χ^2/NDF : 2840.2/1

140.010 ± 0.036 χ^2/NDF : 804479.1/18

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: -3636.011+/-152.182 χ^2/NDF :954.4/1

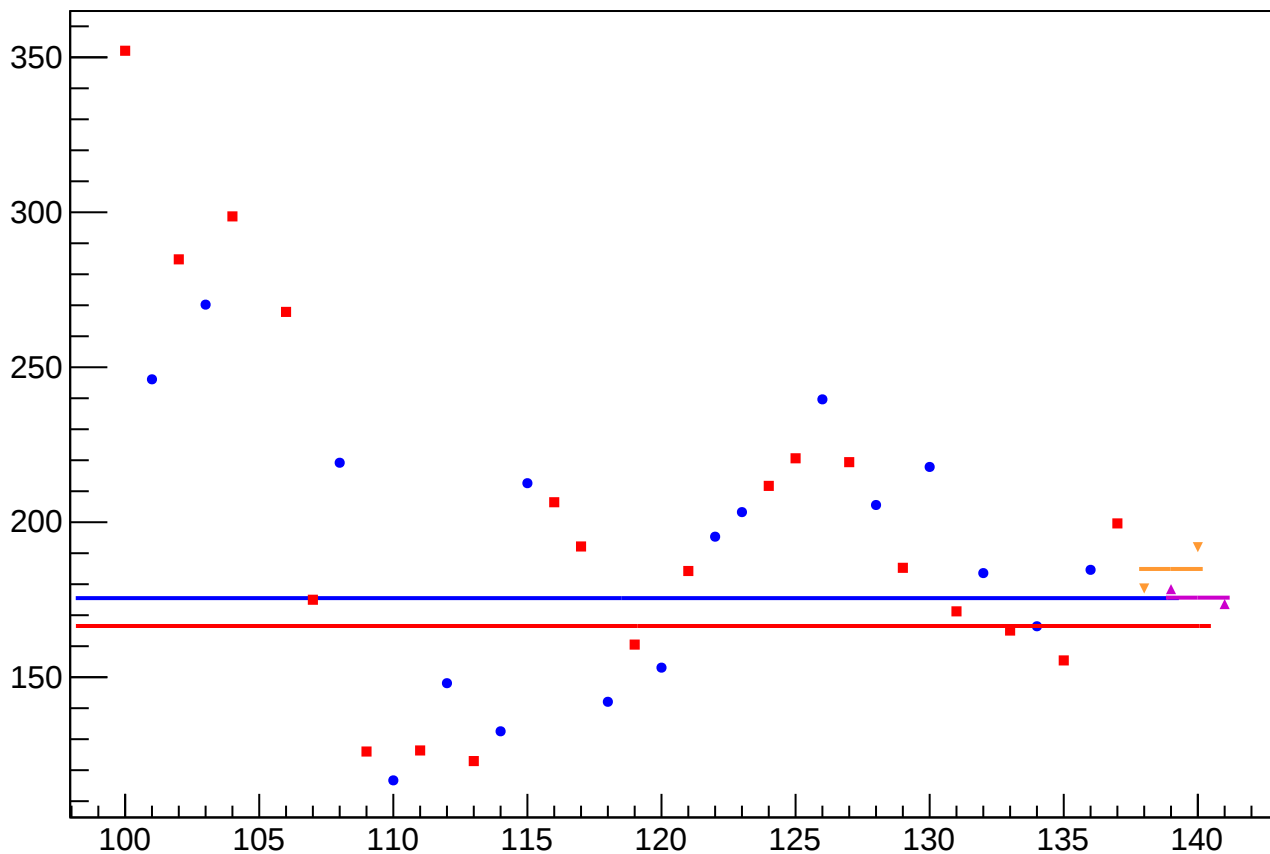
Right Out: 2641.642+/-65.566 χ^2/NDF : 3178.3/19

Left In: 11104.825+/-143.276 χ^2/NDF :250.6/1

1698.377+/-64.158 χ^2/NDF : 6626.8/18

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: 184.921+/-0.108 χ^2/NDF :3816.5/1

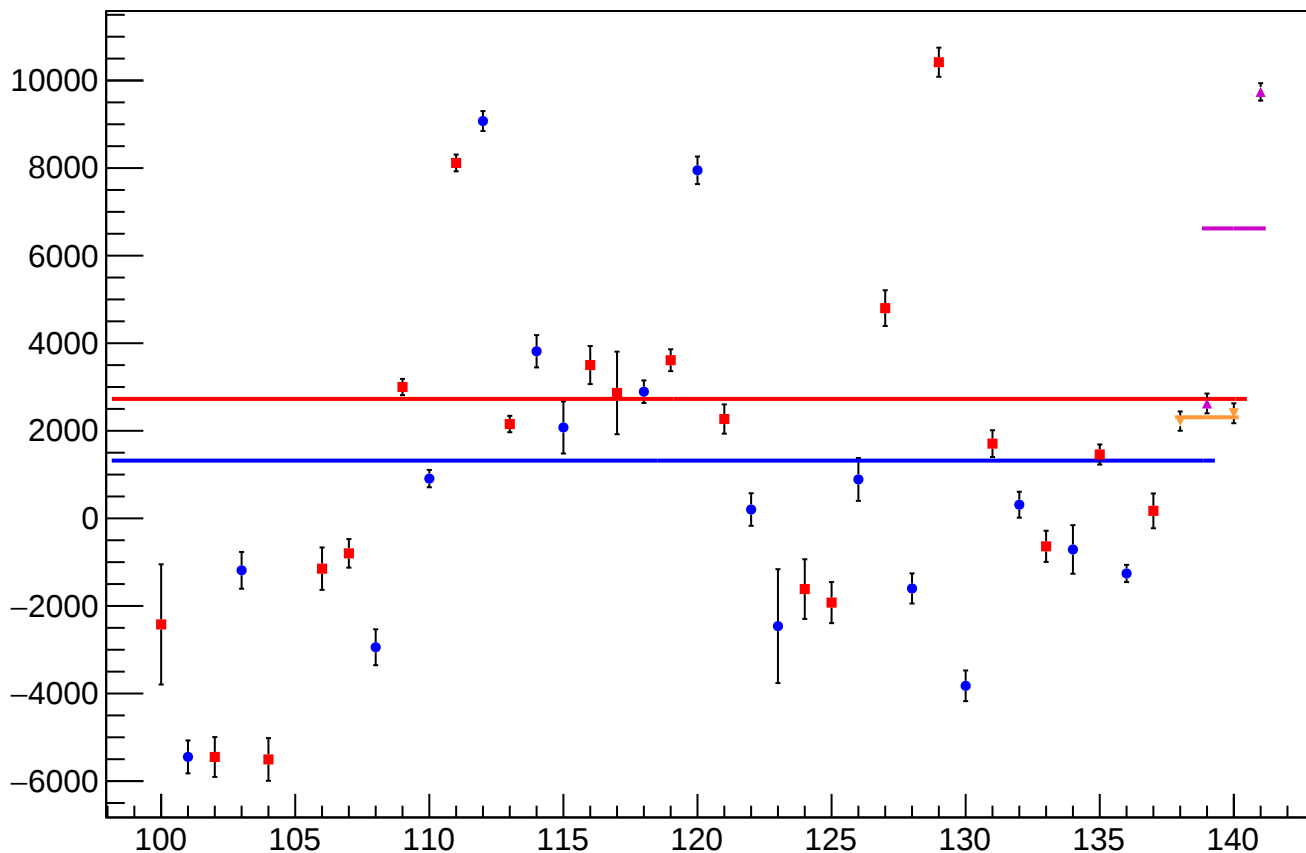
Right Out: 166.522+/-0.046 χ^2/NDF : 931079.9/19

Left In: 175.667+/-0.101 χ^2/NDF :552.7/1

177.186+/-0.045 χ^2/NDF : 699742.8/18

168.106+/-0.042 χ^2/NDF : 938368.6/21

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009 ± 77.146 $\chi^2/\text{NDF}: 2667.0/16$

Left Out: 2308.317 ± 158.168 $\chi^2/\text{NDF}: 0.3/1$

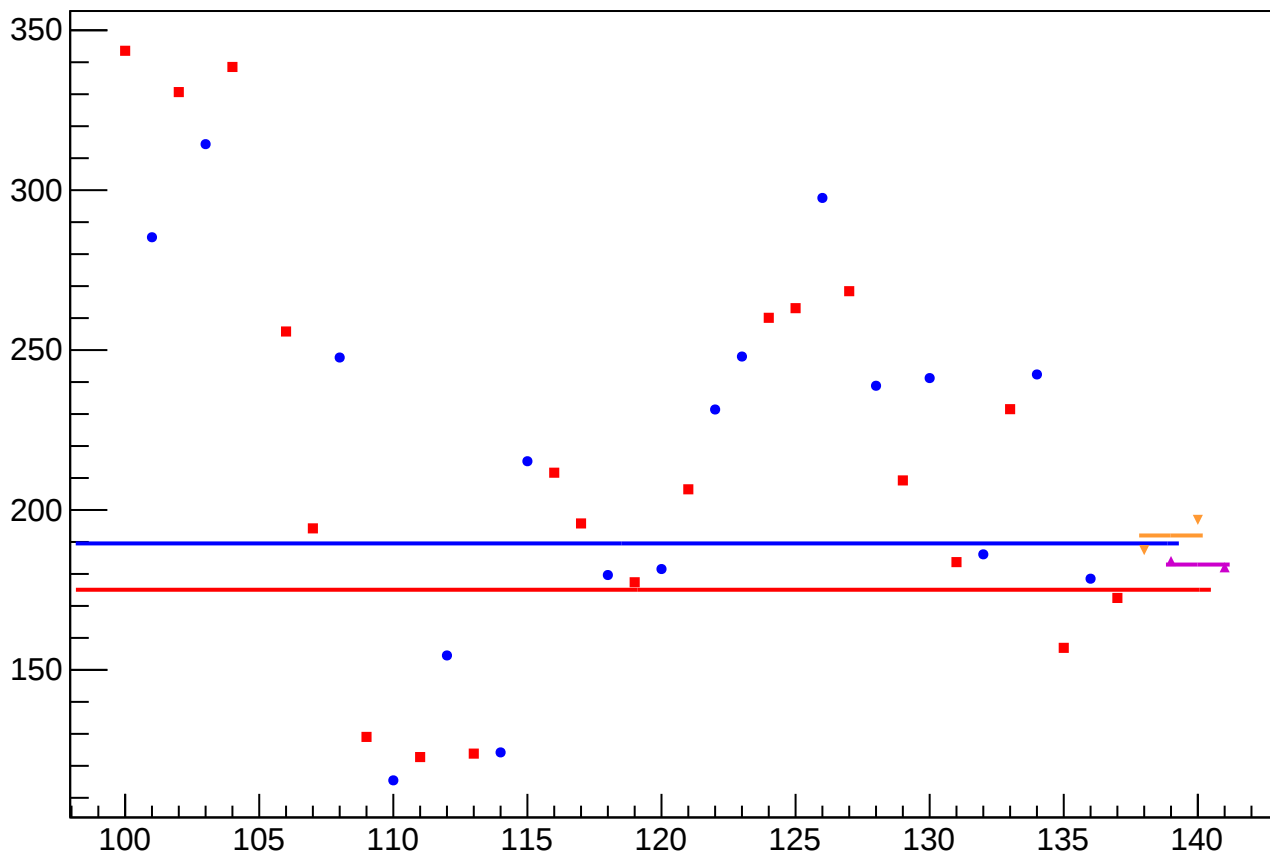
Right Out: 2728.550 ± 69.837 $\chi^2/\text{NDF}: 2495.9/19$

Left In: 6621.469 ± 149.168 $\chi^2/\text{NDF}: 560.1/1$

1509.131 ± 69.338 $\chi^2/\text{NDF}: 2698.9/18$

3428.425 ± 63.248 $\chi^2/\text{NDF}: 3614.6/21$

asym_bpm0i05WS_rms vs Slug



Right In: 189.544+/-0.055 χ^2/NDF : 980744.6/16

Left Out: 192.028+/-0.112 χ^2/NDF :1790.3/1

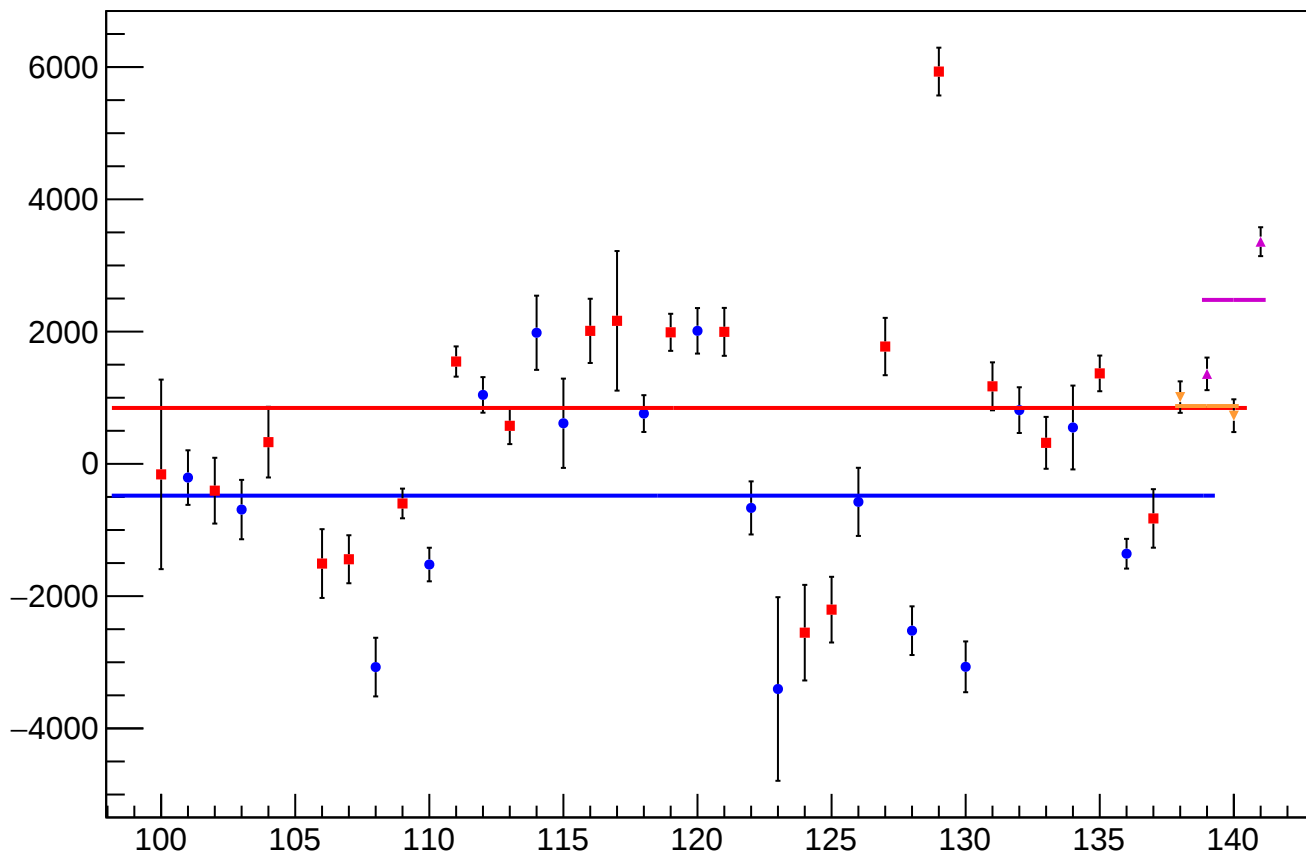
Right Out: 175.058+/-0.049 χ^2/NDF : 1298079.7/19

Left In: 182.937+/-0.105 χ^2/NDF :85.5/1

190.022+/-0.049 χ^2/NDF : 982933.2/18

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: 874.590 ± 171.587 χ^2/NDF : 0.7/1

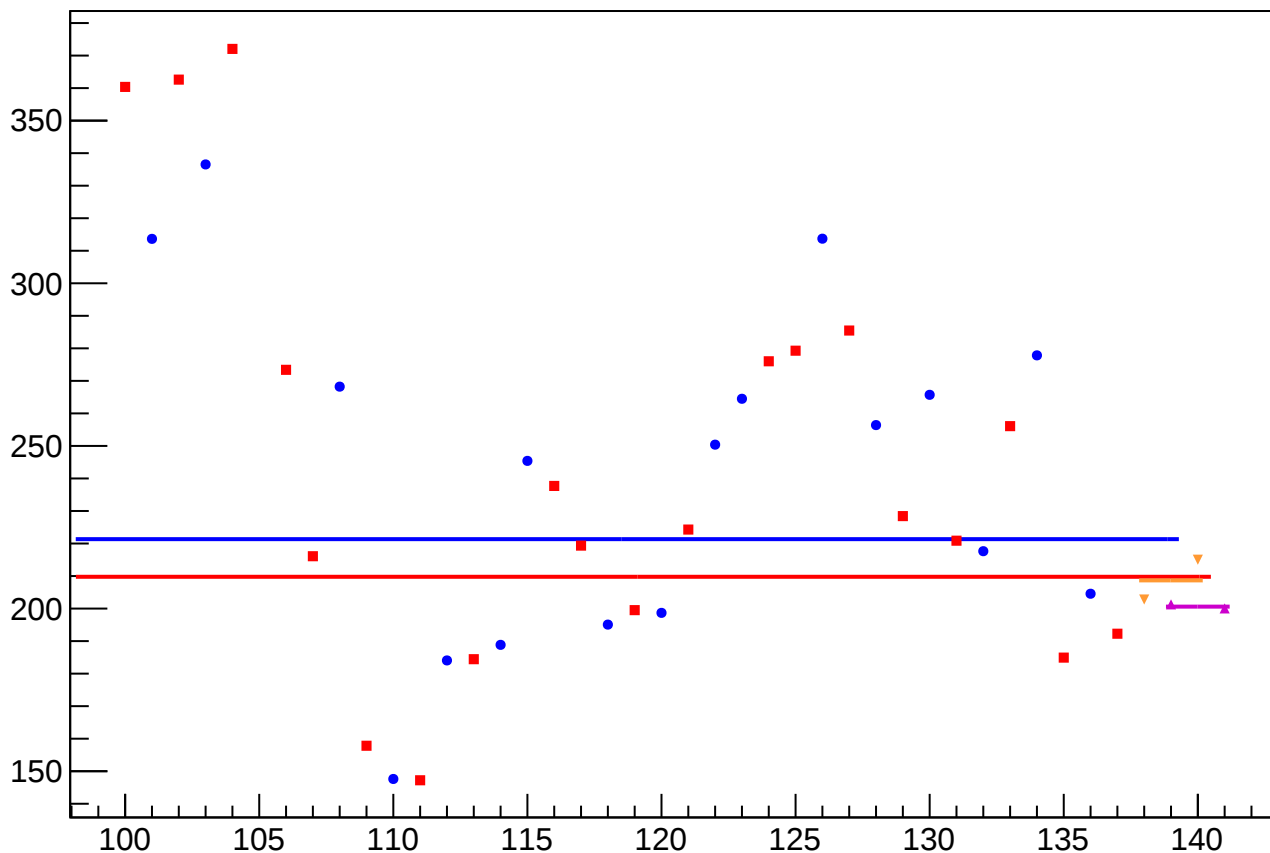
Right Out: 845.444 ± 81.995 χ^2/NDF : 436.9/19

Left In: 2479.281 ± 163.427 χ^2/NDF : 36.9/1

-195.111 ± 78.753 χ^2/NDF : 340.6/18

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: 208.667 ± 0.121 χ^2/NDF : 2539.3/1

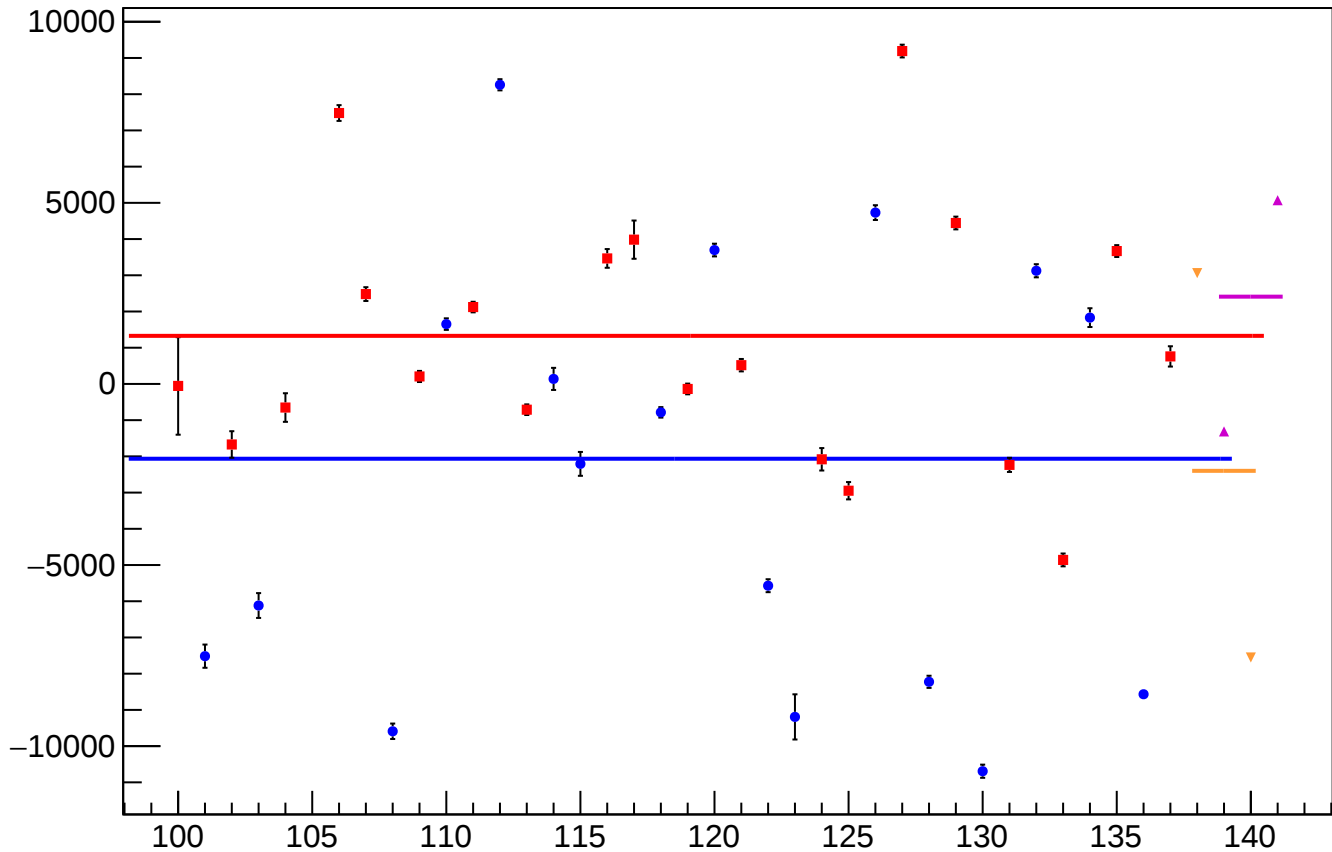
Right Out: 209.775 ± 0.058 χ^2/NDF : 884083.7/19

Left In: 200.599 ± 0.116 χ^2/NDF : 28.6/1

218.672 ± 0.056 χ^2/NDF : 656842.1/18

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: -2399.250 ± 90.157 χ^2/NDF : 3461.1/1

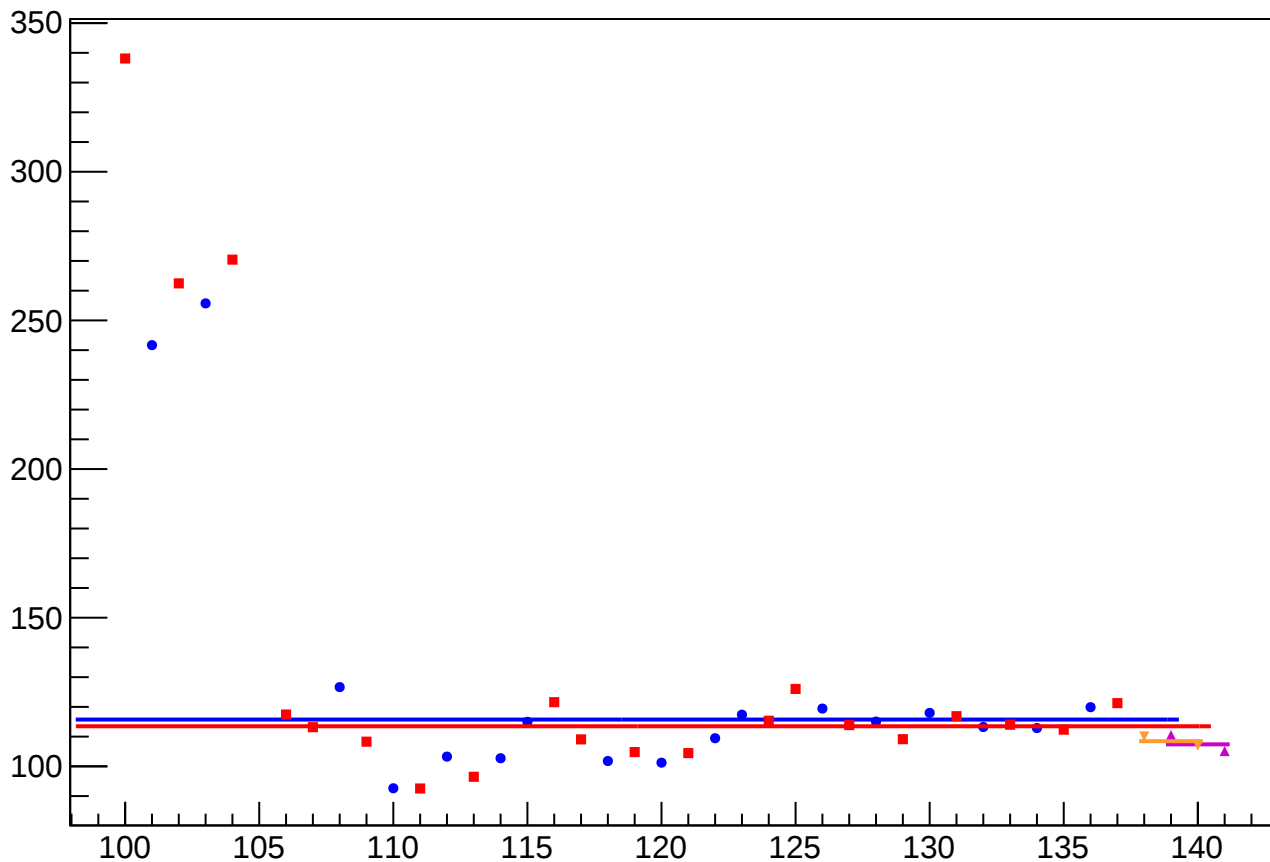
Right Out: 1327.819 ± 44.838 χ^2/NDF : 5919.9/19

Left In: 2410.016 ± 88.461 χ^2/NDF : 1266.1/1

-2137.322 ± 41.901 χ^2/NDF : 20005.1/18

1549.025 ± 39.994 χ^2/NDF : 7305.1/21

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 ± 0.033 $\chi^2/\text{NDF}: 744017.7/16$

Left Out: 108.460 ± 0.064 $\chi^2/\text{NDF}: 587.4/1$

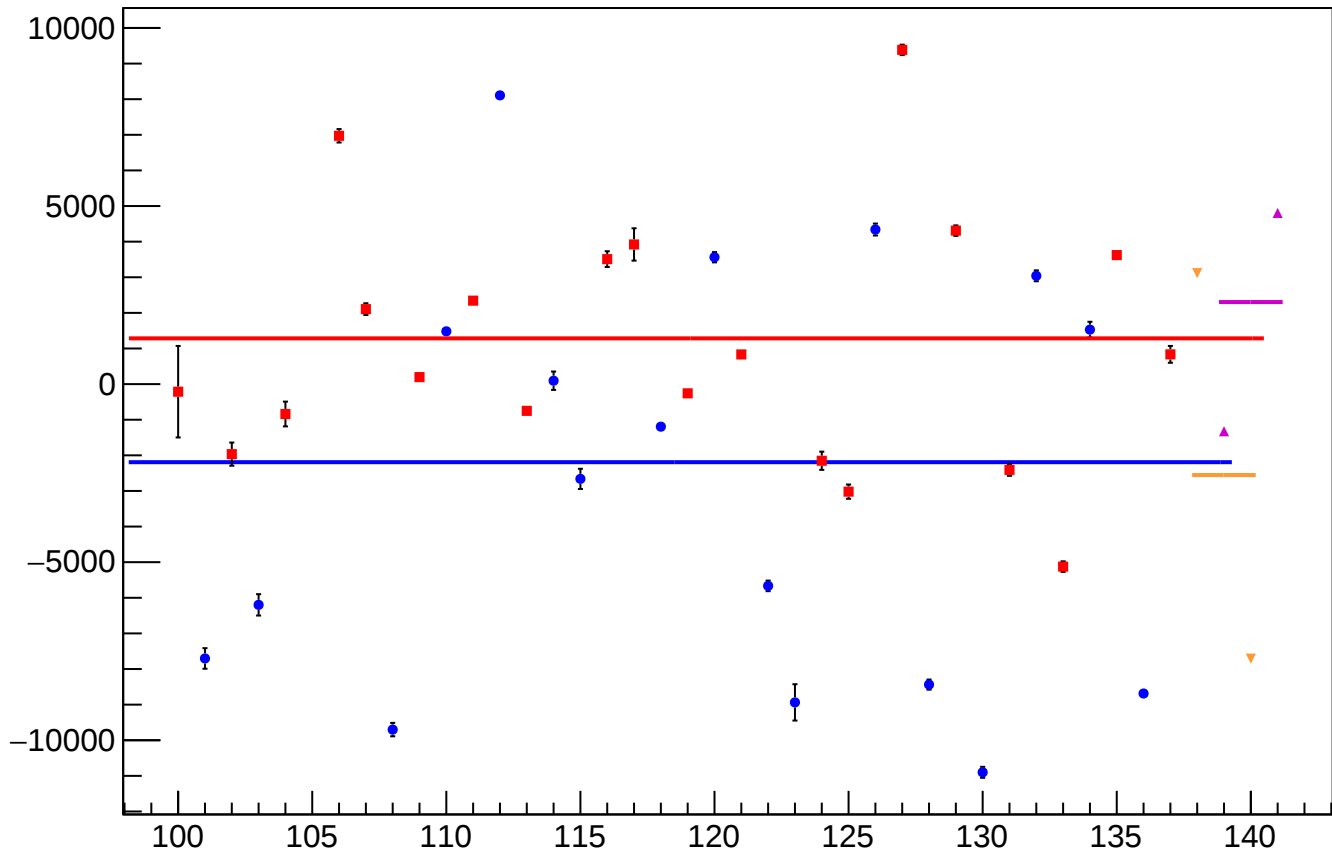
Right Out: 113.487 ± 0.032 $\chi^2/\text{NDF}: 796781.7/19$

Left In: 107.399 ± 0.063 $\chi^2/\text{NDF}: 1798.6/1$

114.168 ± 0.030 $\chi^2/\text{NDF}: 754829.3/18$

112.242 ± 0.028 $\chi^2/\text{NDF}: 806118.0/21$

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327+/-39.944 χ^2/NDF : 22813.5/16

Left Out: -2552.196+/-81.589 χ^2/NDF : 4390.5/1

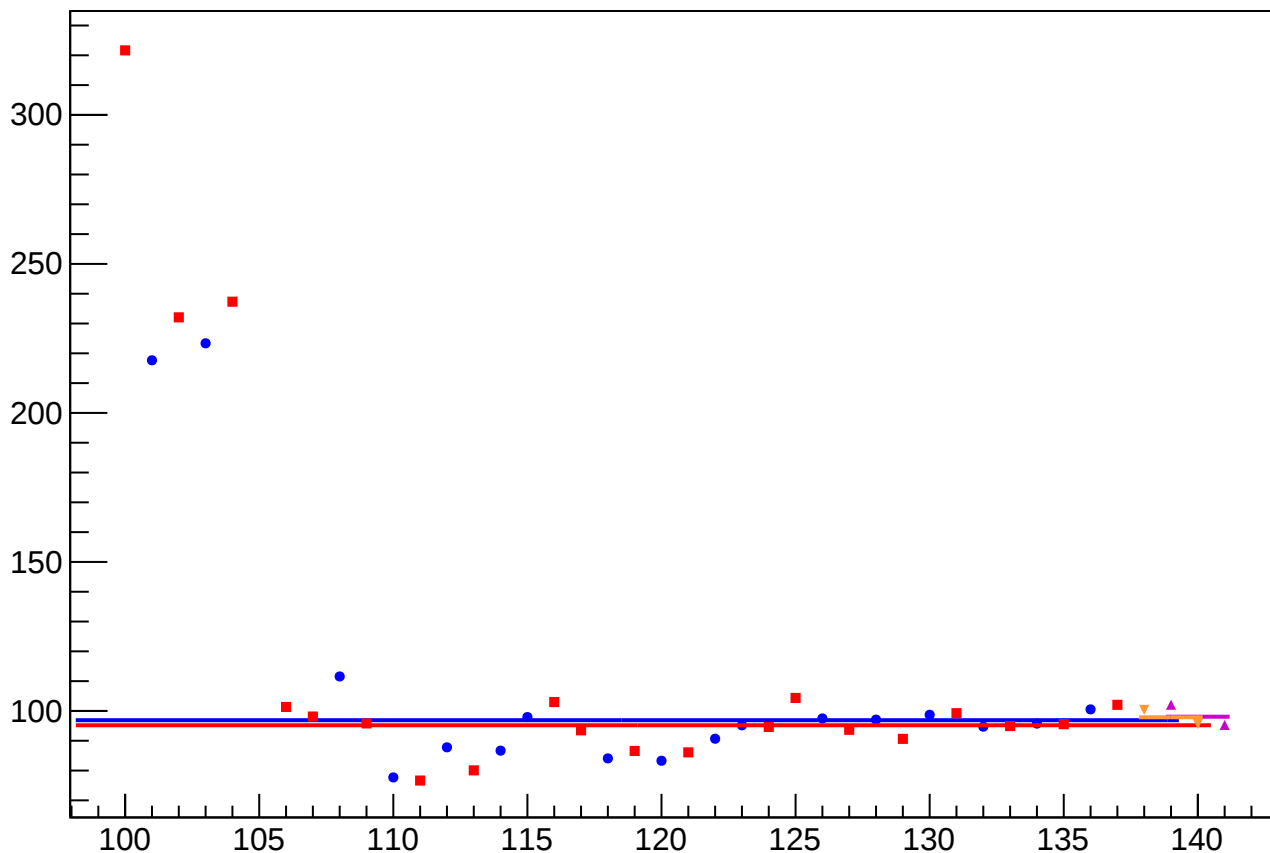
Right Out: 1284.692+/-37.915 χ^2/NDF : 8584.4/19

Left In: 2304.040+/-80.922 χ^2/NDF : 1386.0/1

-2261.905+/-35.875 χ^2/NDF : 27219.7/18

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: 97.870+/-0.058 χ^2/NDF : 1689.4/1

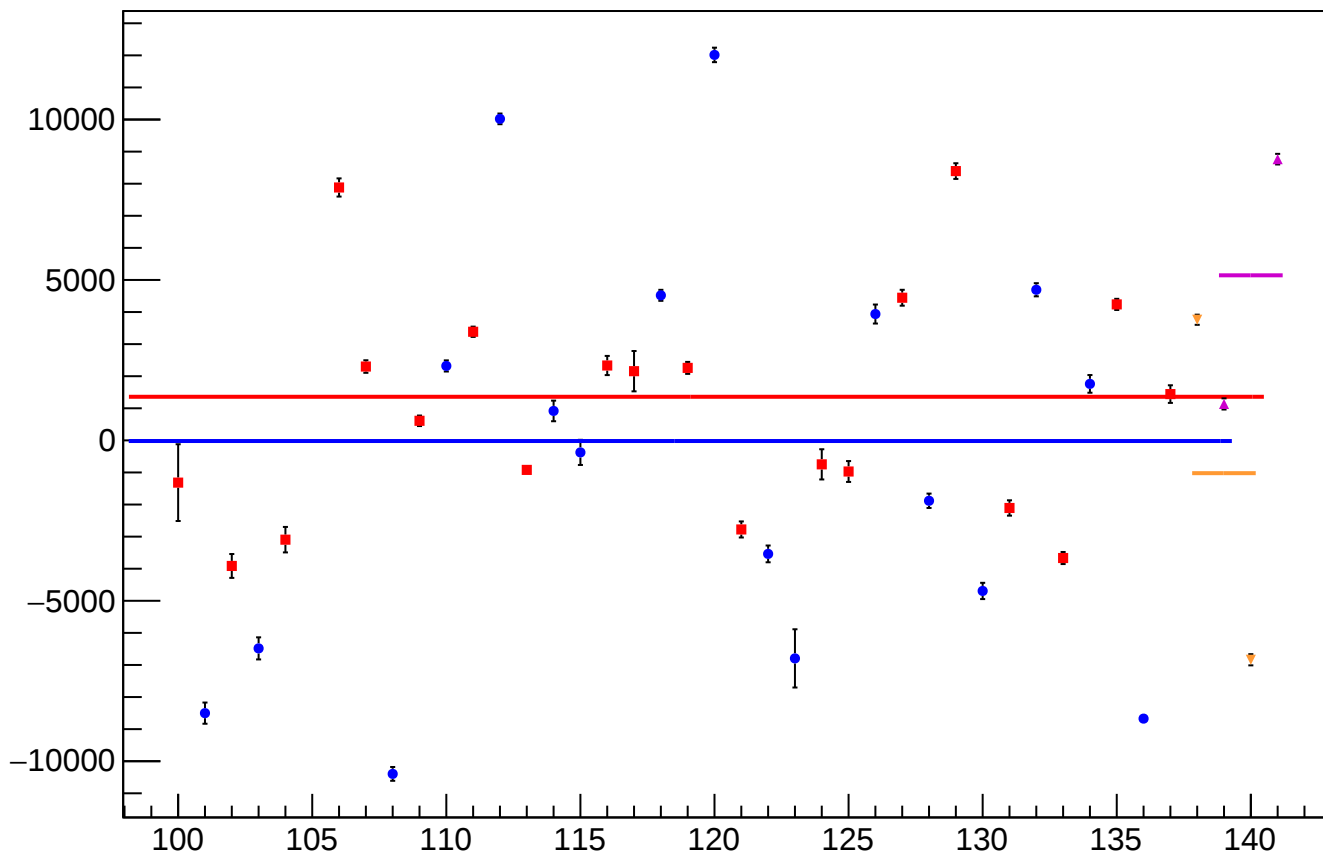
Right Out: 95.201+/-0.027 χ^2/NDF : 859838.2/19

Left In: 98.067+/-0.057 χ^2/NDF : 3409.4/1

97.083+/-0.025 χ^2/NDF : 819150.3/18

95.717+/-0.024 χ^2/NDF : 865303.9/21

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 $\chi^2/\text{NDF}: 16361.0/16$

Left Out: -1021.999 ± 117.249 $\chi^2/\text{NDF}: 2023.1/1$

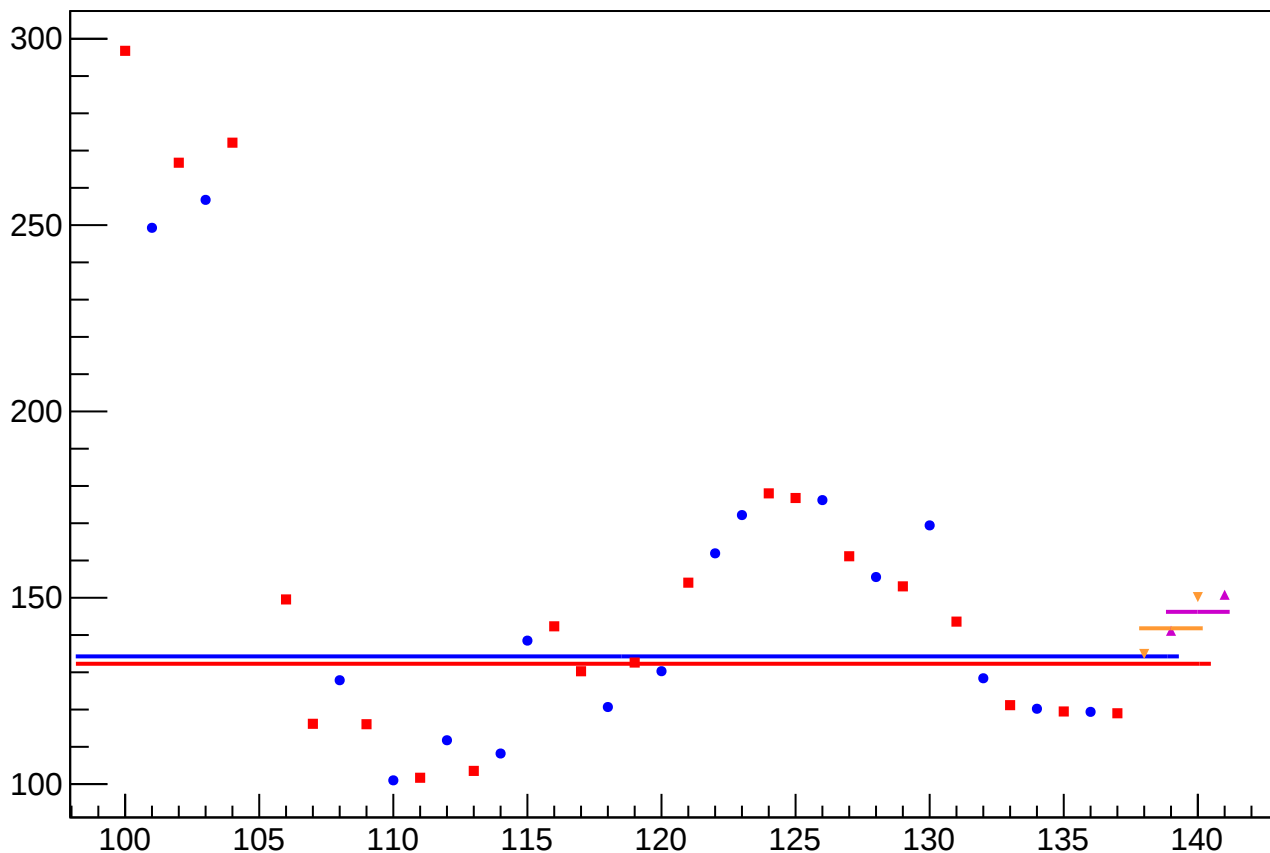
Right Out: 1359.001 ± 52.186 $\chi^2/\text{NDF}: 3838.8/19$

Left In: 5144.665 ± 119.813 $\chi^2/\text{NDF}: 1011.0/1$

-198.791 ± 49.529 $\chi^2/\text{NDF}: 18444.1/18$

1962.666 ± 47.844 $\chi^2/\text{NDF}: 5689.0/21$

asym_bpm1i06WS_rms vs Slug



Right In: 134.268+/-0.039 χ^2/NDF : 788647.0/16

Left Out: 141.806+/-0.083 χ^2/NDF :8385.7/1

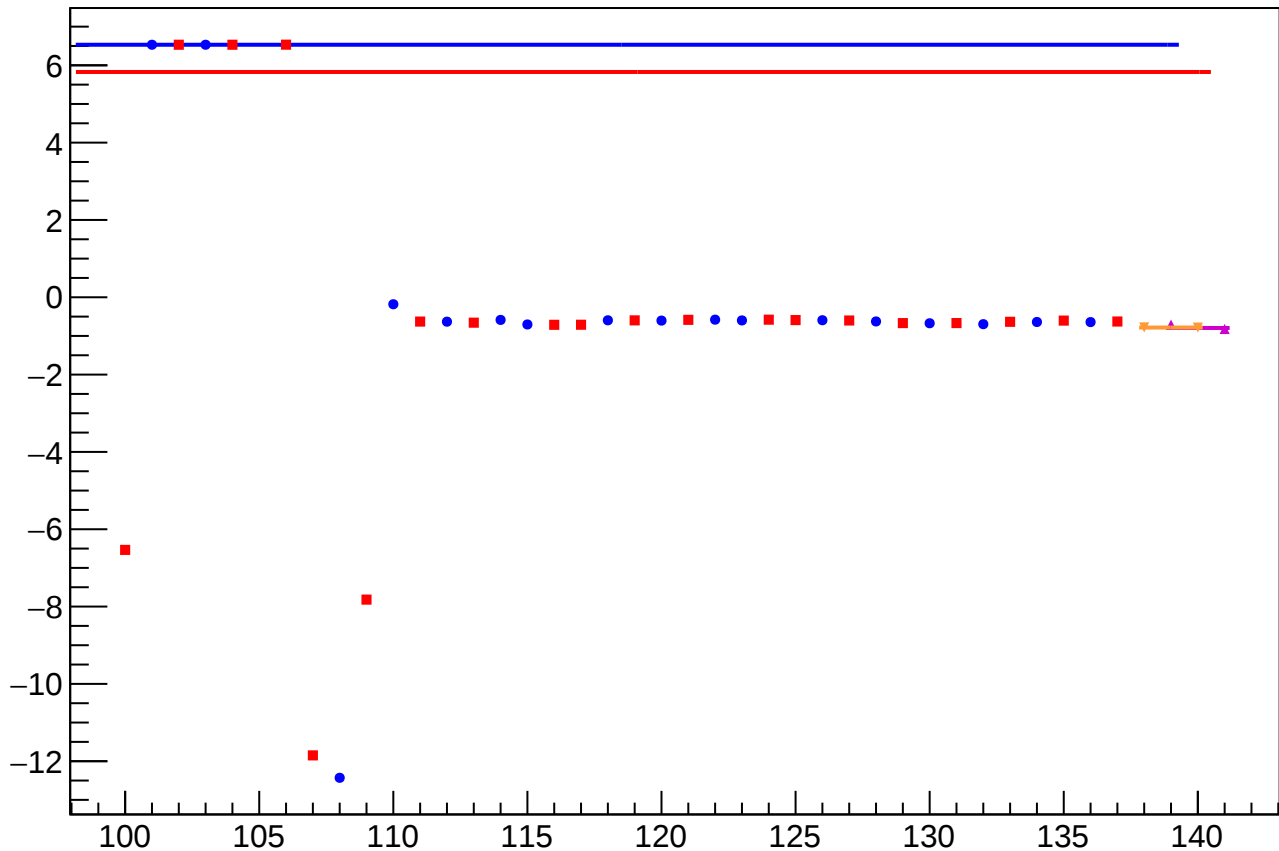
Right Out: 132.288+/-0.037 χ^2/NDF : 869913.4/19

Left In: 146.222+/-0.085 χ^2/NDF :3246.4/1

135.613+/-0.035 χ^2/NDF : 803825.3/18

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: -0.783 $\pm$ 0.000 χ^2 /NDF: 4332.0/1

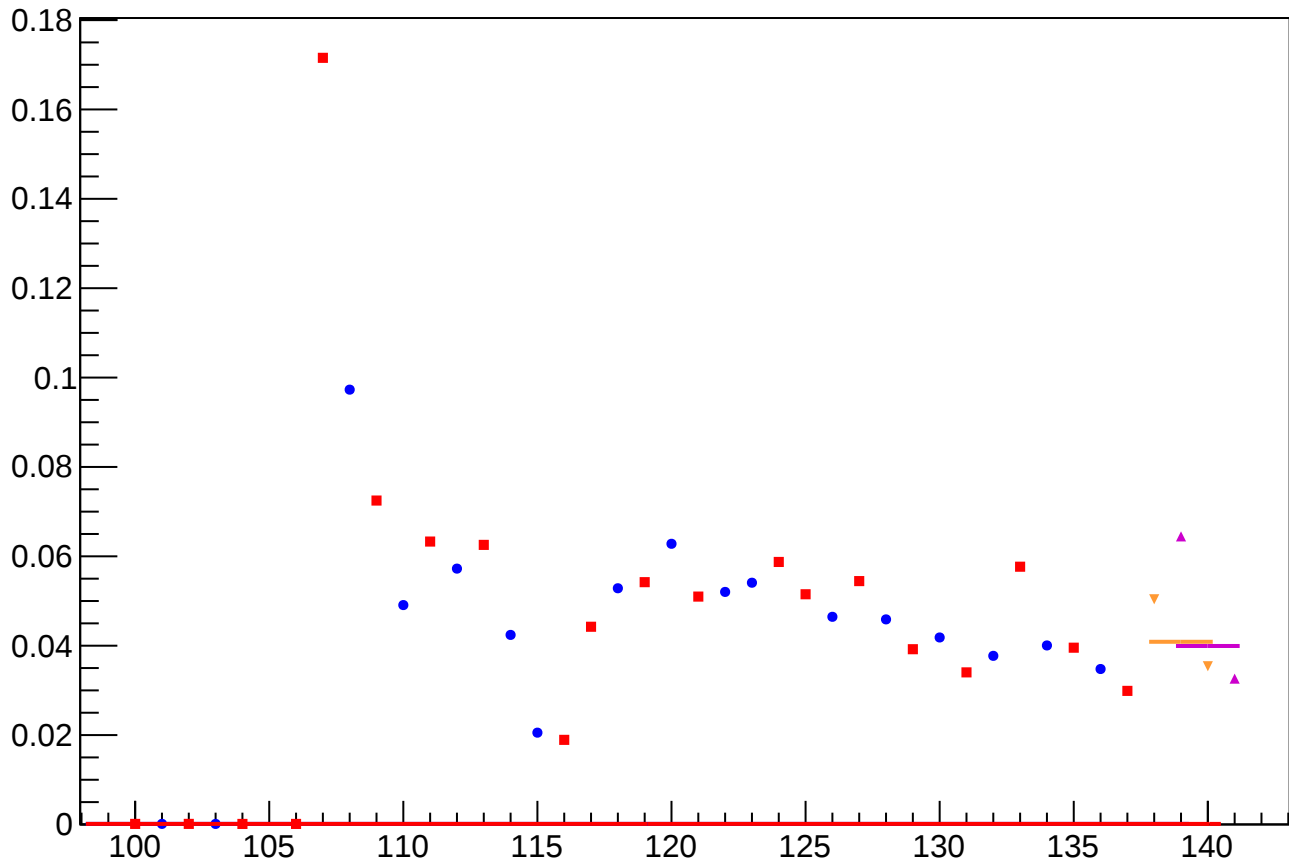
Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755949520765363.8/19

Left In: -0.794 $\pm$ 0.000 χ^2 /NDF: 1568950.4/1

6.532 $\pm$ 0.000 χ^2 /NDF: 163085388826.7/18

5.827 $\pm$ 0.000 χ^2 /NDF: 755979621518288.4/21

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.041+/-0.000 χ^2/NDF : 68496.6/1

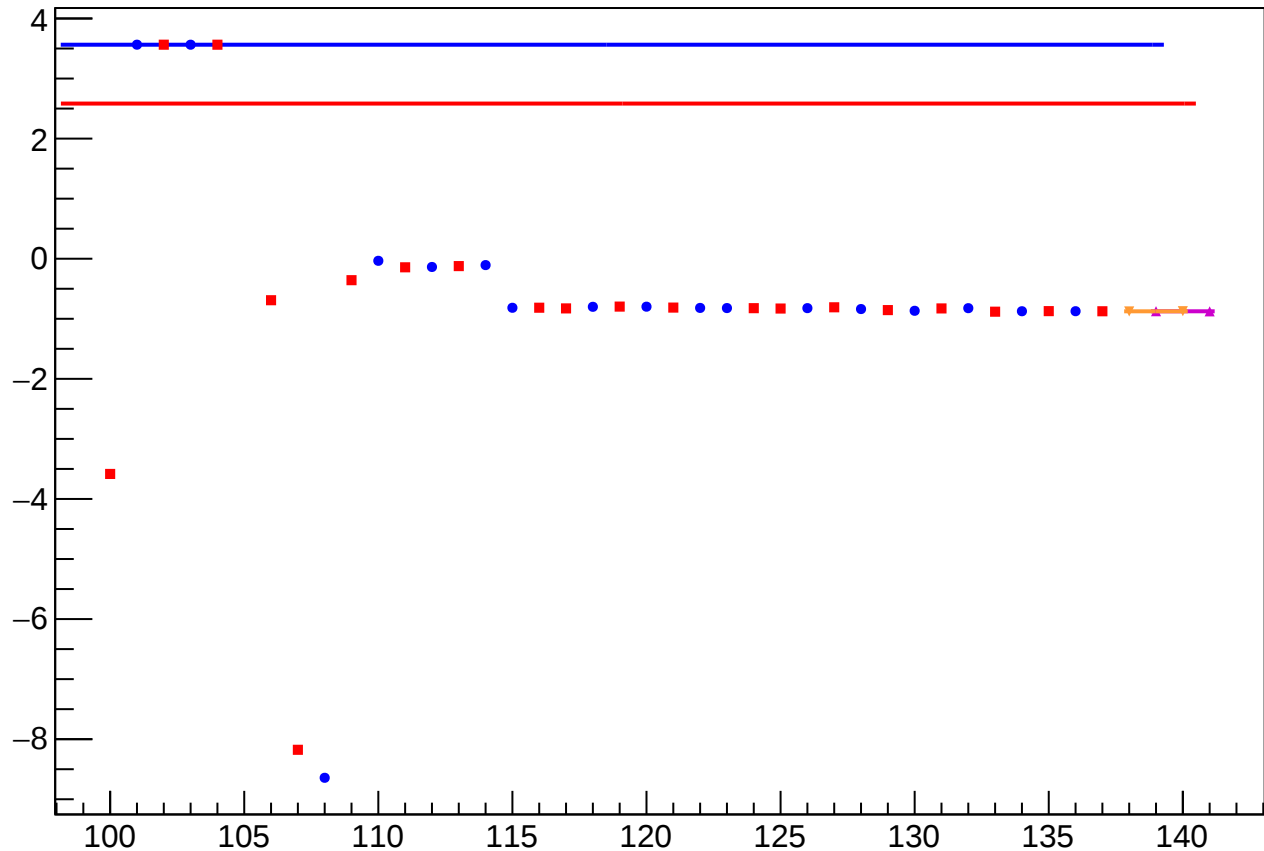
Right Out: 0.000+/-0.000 χ^2/NDF : 9453181.1/19

Left In: 0.040+/-0.000 χ^2/NDF : 245992.8/1

0.000+/-0.000 χ^2/NDF : 11280759.0/18

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: -0.876+/-0.000 χ^2/NDF : 82276.6/1

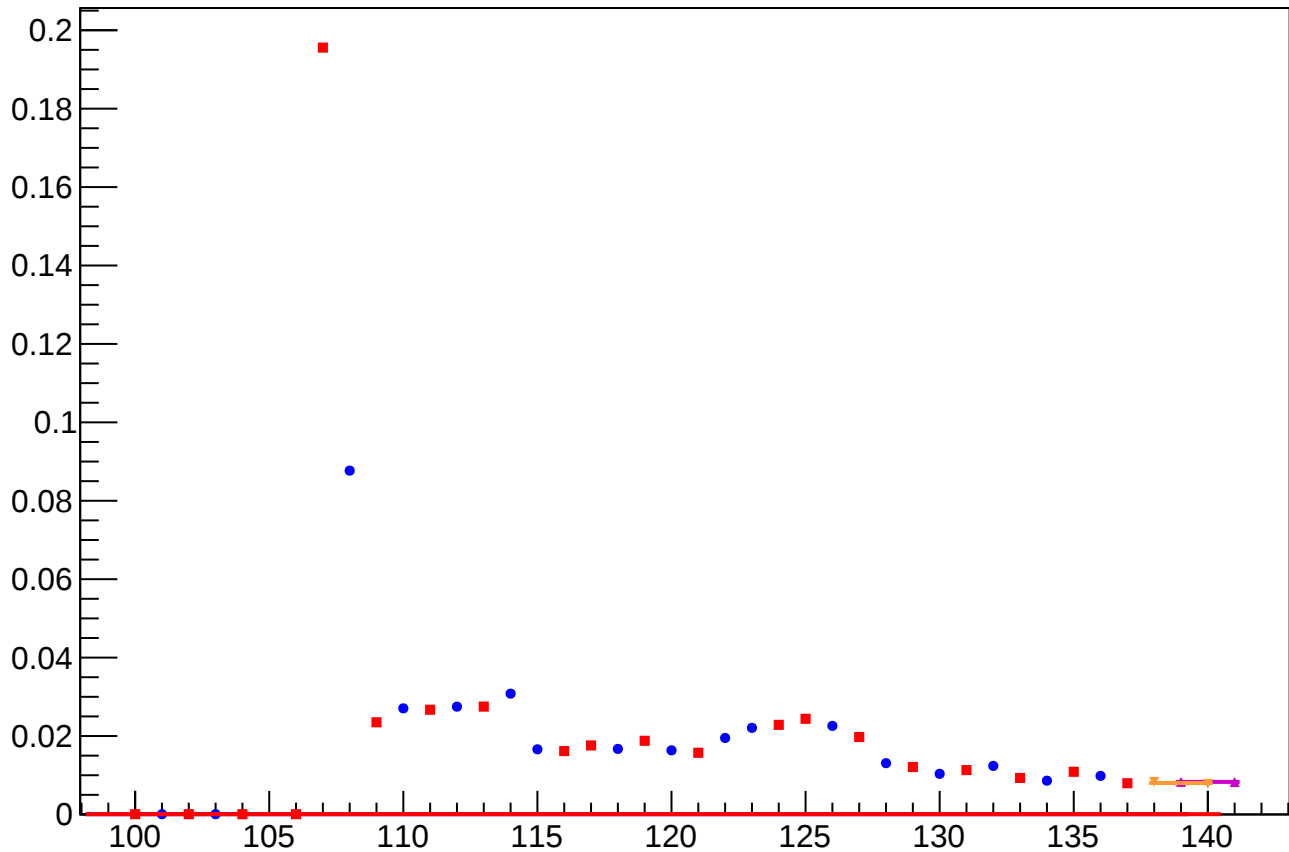
Right Out: 2.583+/-0.000 χ^2/NDF : 1253506756008351.0/19

Left In: -0.875+/-0.000 χ^2/NDF : 25652.9/1

3.563+/-0.000 χ^2/NDF : 930898982225.6/18

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 :2772.1/1

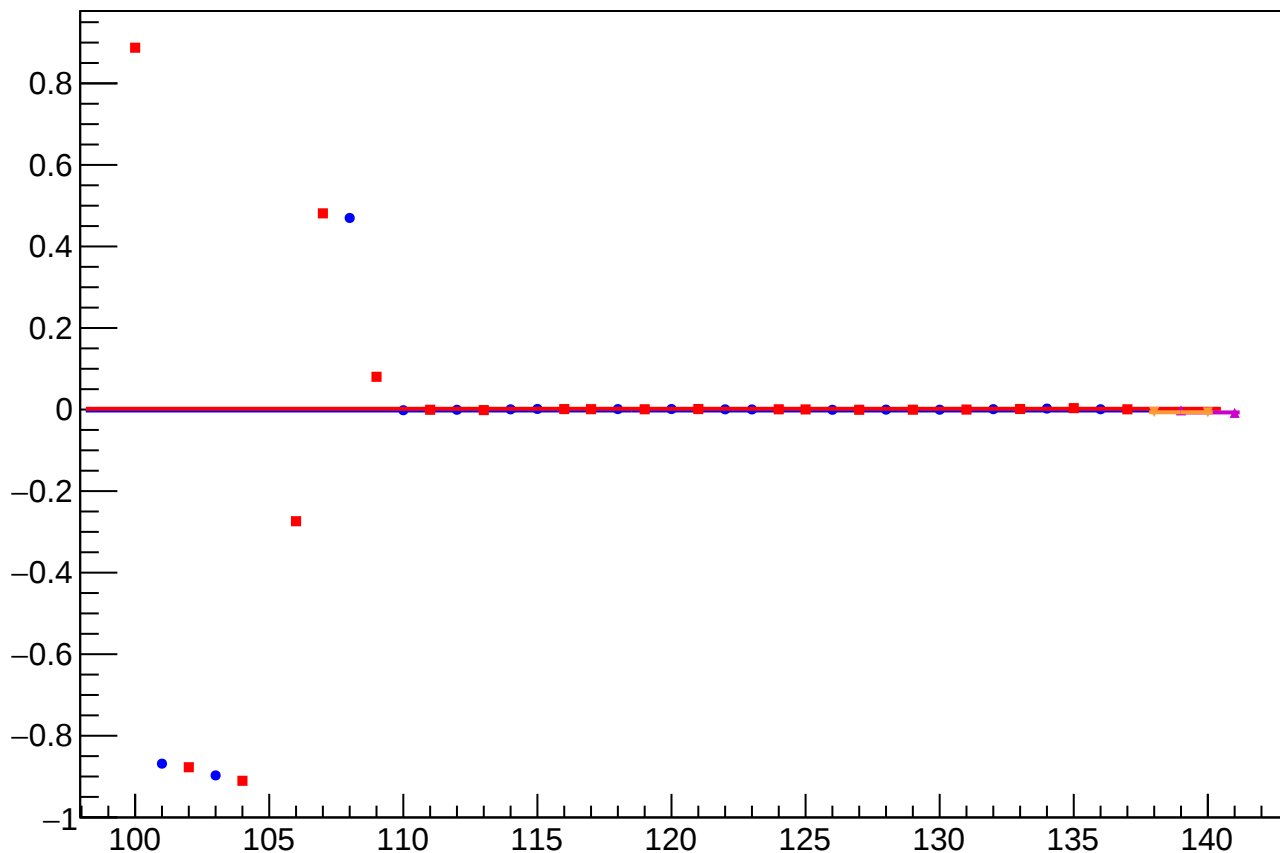
Right Out: 0.000+/-0.000 χ^2/NDF : 9955781.5/19

Left In: 0.008+/-0.000 χ^2/NDF :6.7/1

0.000+/-0.000 χ^2/NDF : 12702114.0/18

0.000+/-0.000 χ^2/NDF : 12855512.6/21

yield_cav4cX_mean vs Slug



Right In: -0.002 $\pm$ 0.000 χ^2 /NDF: 9795424036.3/16

Left Out: -0.007 $\pm$ 0.000 χ^2 /NDF: 79032.3/1

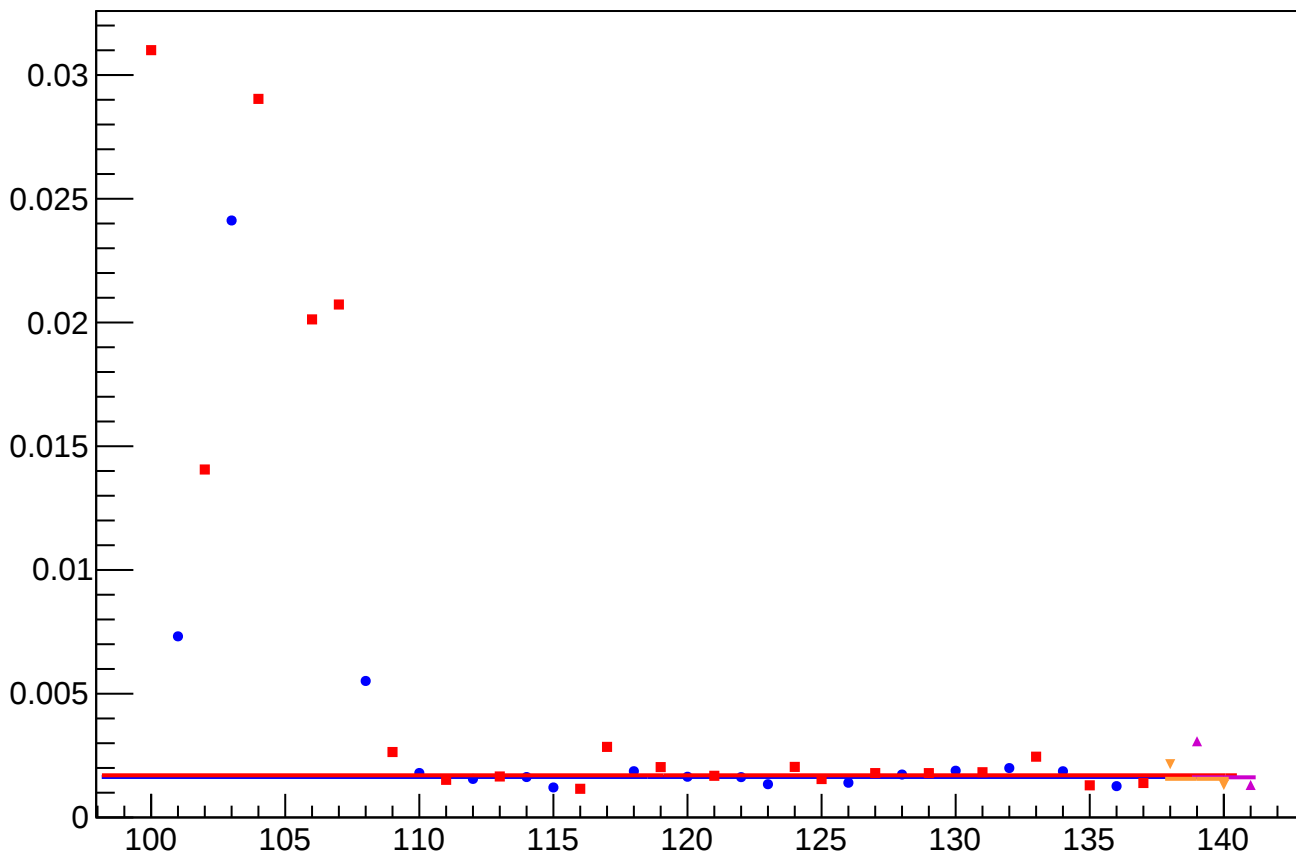
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3041335141.0/19

Left In: -0.007 $\pm$ 0.000 χ^2 /NDF: 2238695.5/1

-0.003 $\pm$ 0.000 χ^2 /NDF: 9802015905.9/18

-0.000 $\pm$ 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: 0.002+/-0.000 χ^2/NDF :127923.2/1

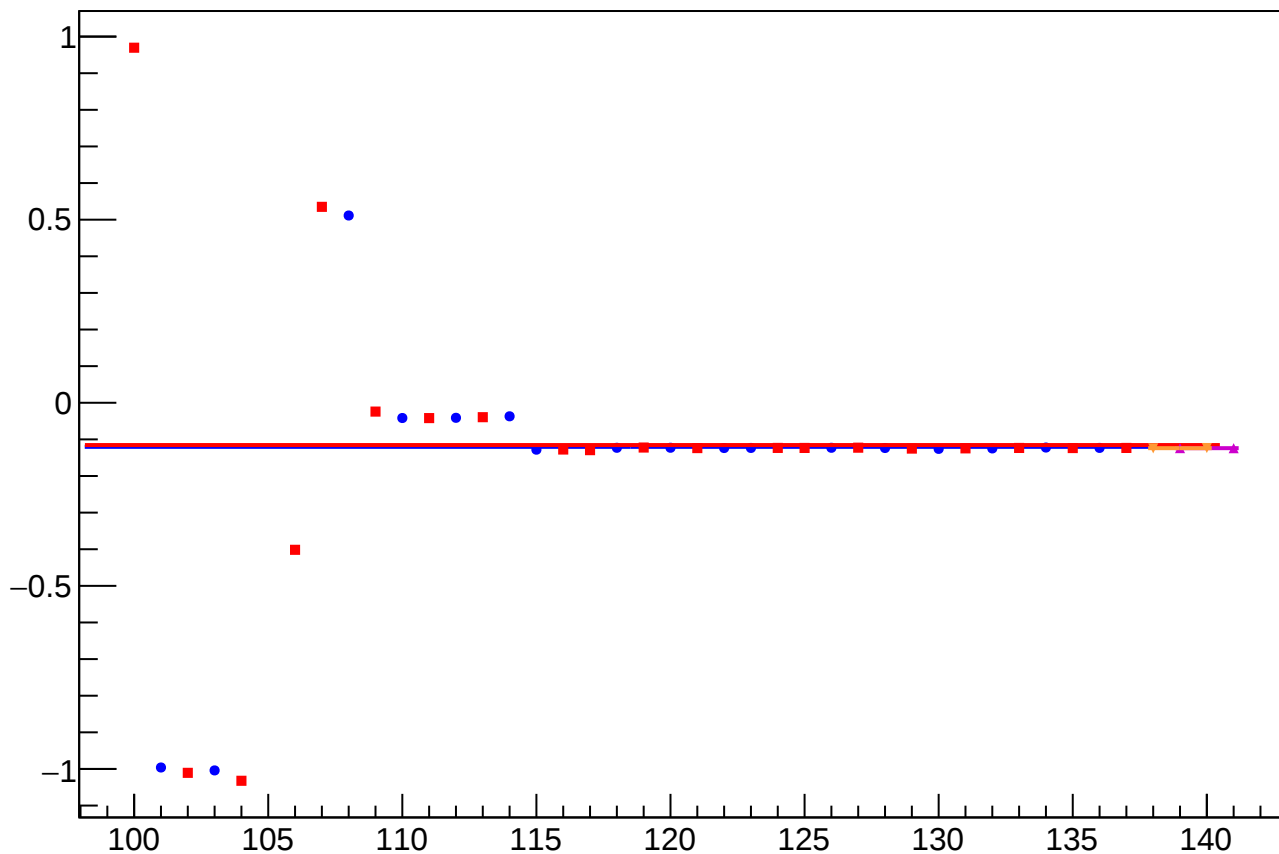
Right Out: 0.002+/-0.000 χ^2/NDF : 3038397.4/19

Left In: 0.002+/-0.000 χ^2/NDF :366929.9/1

0.002+/-0.000 χ^2/NDF : 2050940.3/18

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 :124174.6/1

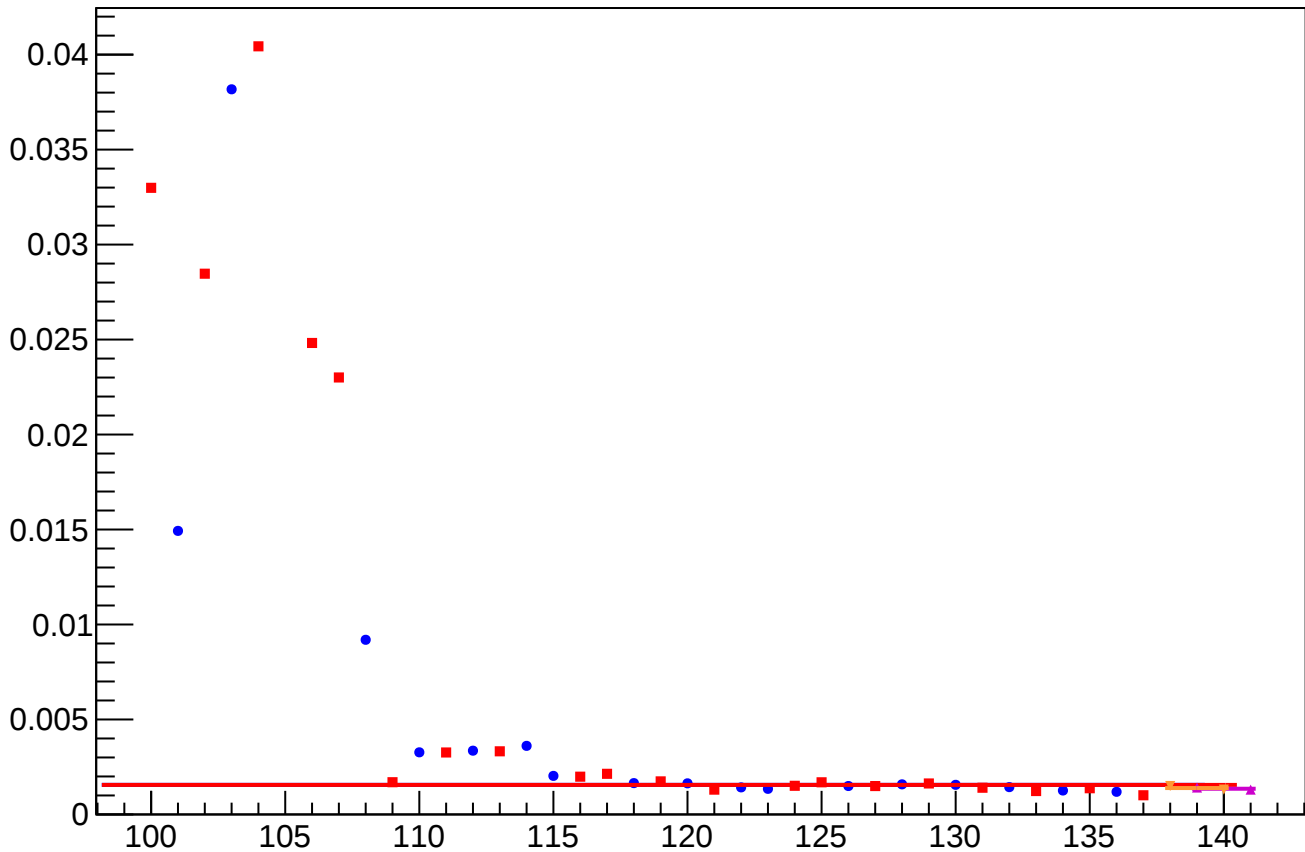
Right Out: -0.115+/-0.000 χ^2/NDF : 2458720596.9/19

Left In: -0.124+/-0.000 χ^2/NDF :7495.7/1

-0.121+/-0.000 χ^2/NDF : 3938938924.1/18

-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 :11728.9/1

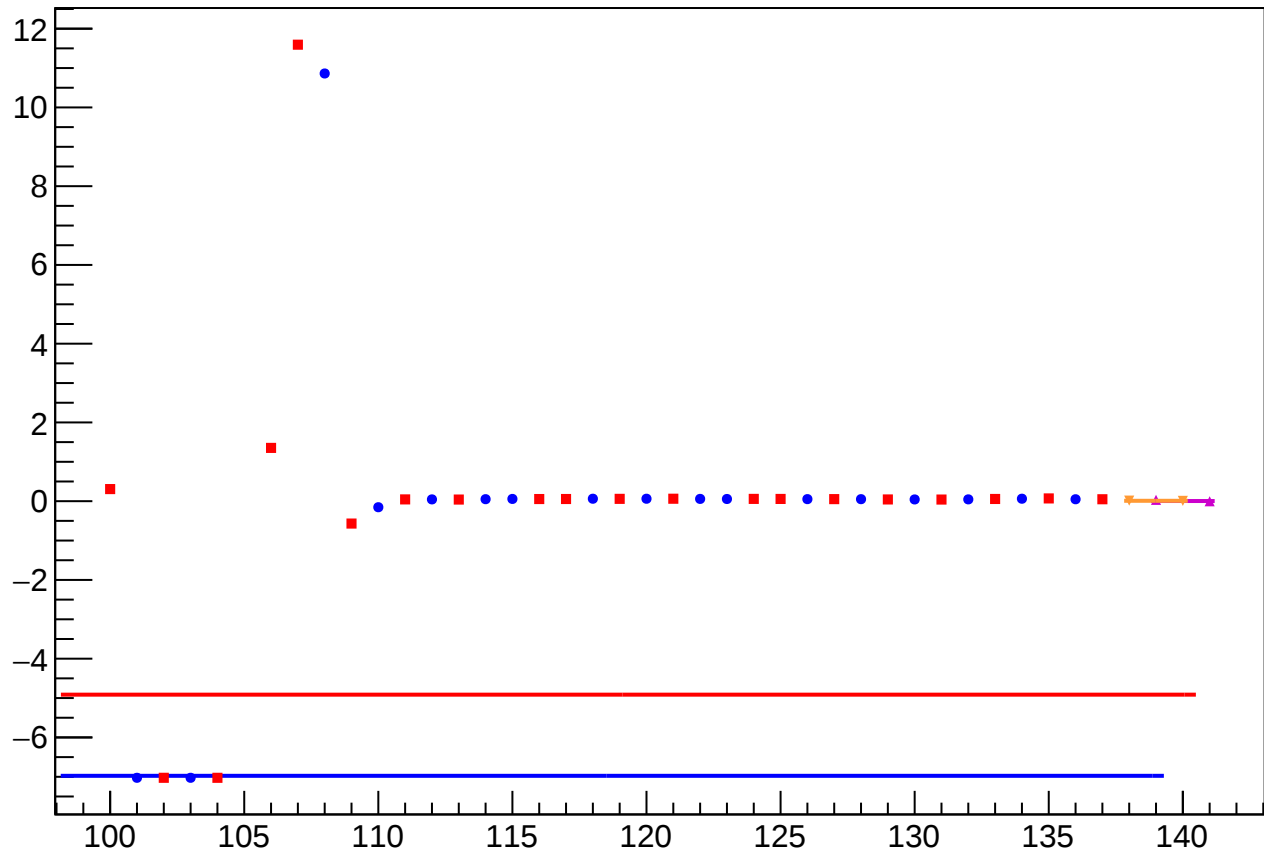
Right Out: 0.002+/-0.000 χ^2/NDF : 3544377.2/19

Left In: 0.001+/-0.000 χ^2/NDF :4216.6/1

0.002+/-0.000 χ^2/NDF : 2943196.8/18

0.002+/-0.000 χ^2/NDF : 3590760.9/21

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.010+/-0.000 χ^2/NDF :107306.2/1

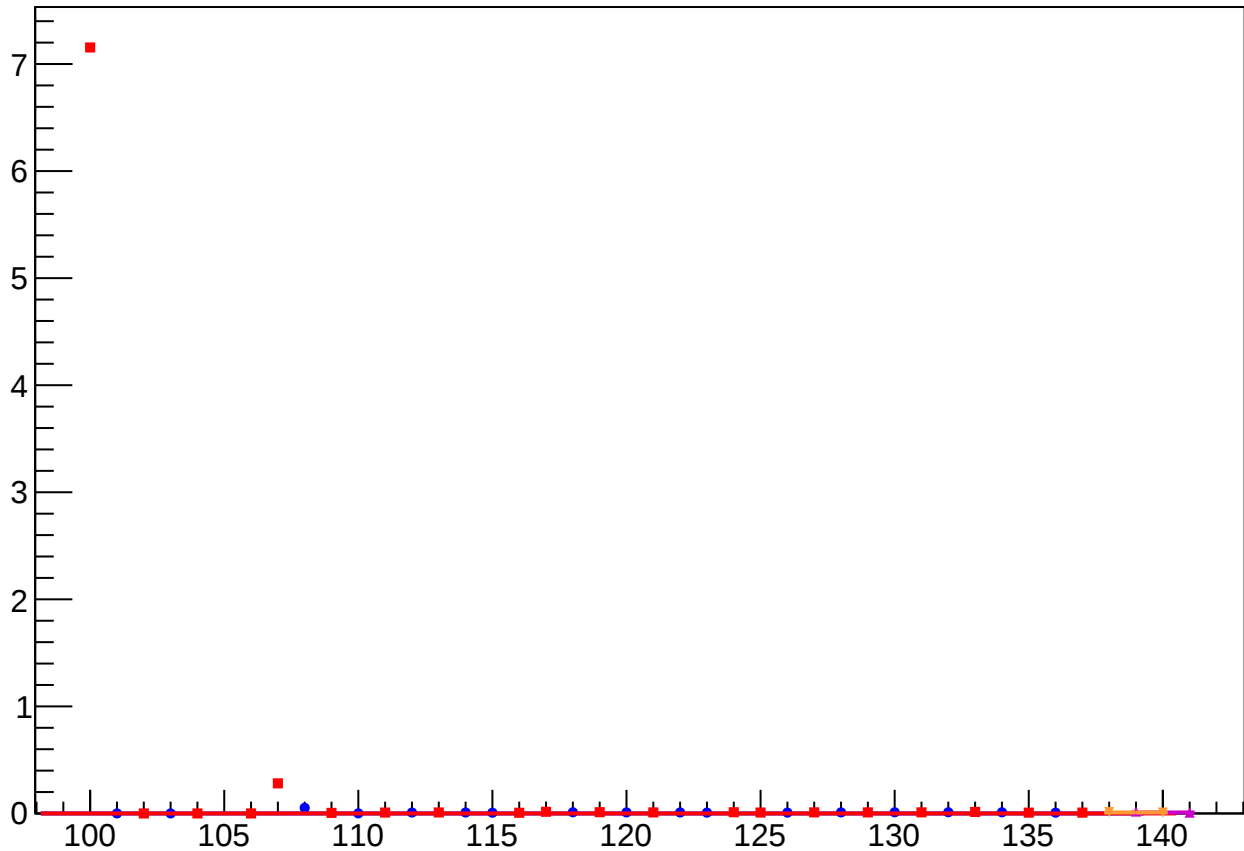
Right Out: -4.914+/-0.000 χ^2/NDF : 365366243956054.8/19

Left In: 0.004+/-0.000 χ^2/NDF :2309134.5/1

-6.972+/-0.000 χ^2/NDF : 9367230151445.7/18

-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: 0.010+/-0.000 χ^2/NDF :107366.7/1

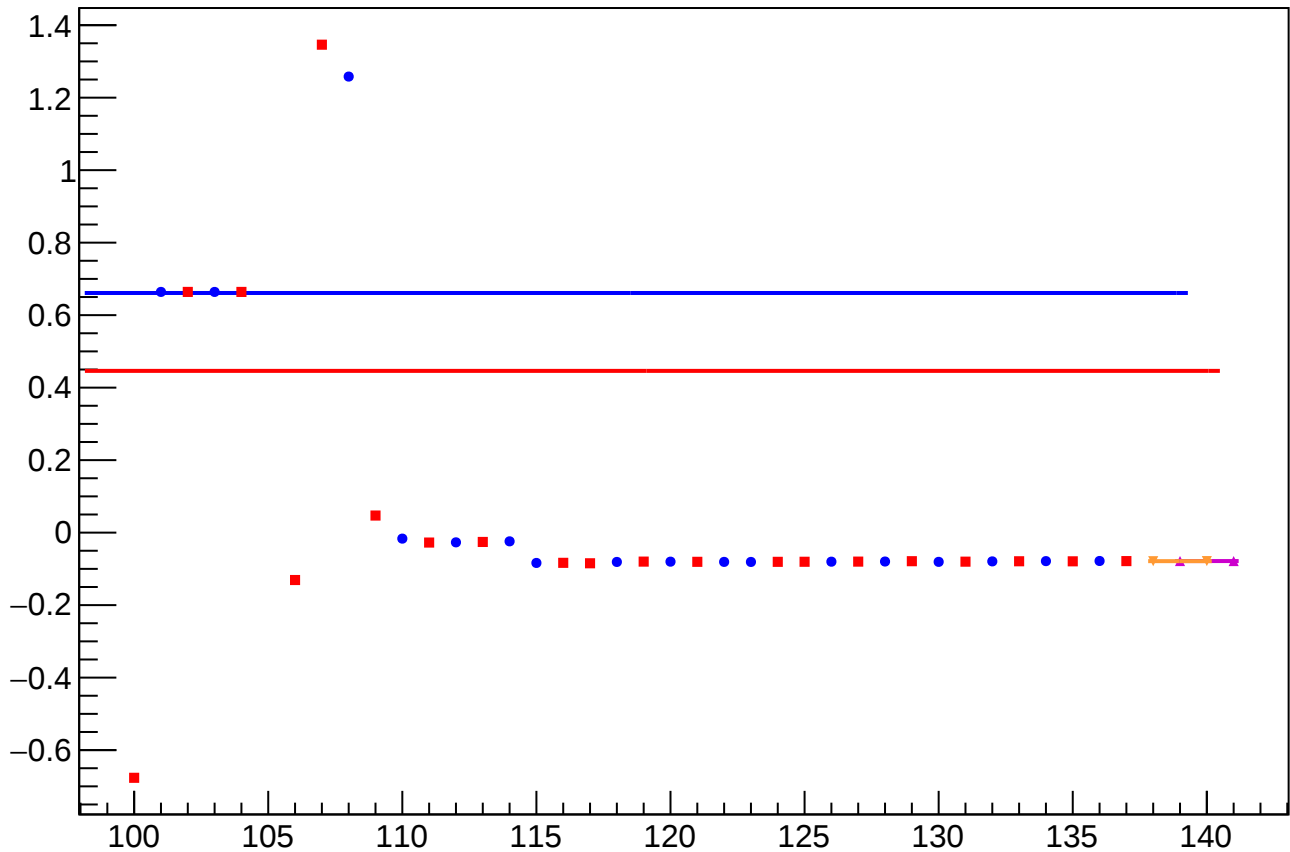
Right Out: 0.000+/-0.000 χ^2/NDF : 8880914.4/19

Left In: 0.009+/-0.000 χ^2/NDF :364855.7/1

0.000+/-0.000 χ^2/NDF : 10539182.8/18

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 :99046.2/1

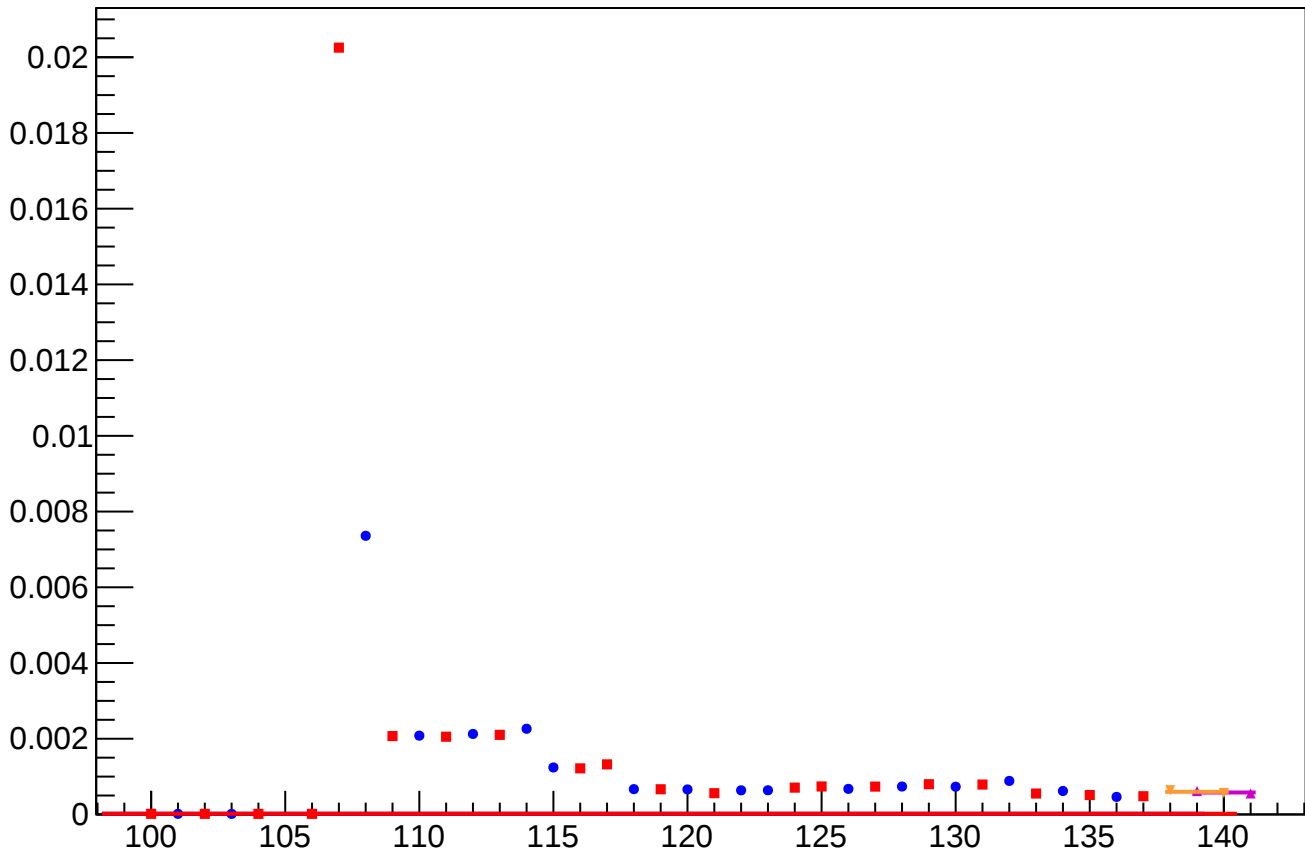
Right Out: 0.446+/-0.000 χ^2/NDF : 405434749783850.4/19

Left In: -0.078+/-0.000 χ^2 /NDF:5731.0/1

0.660+/-0.000 χ^2/NDF : 7843987293896.0/18

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 :10624.1/1

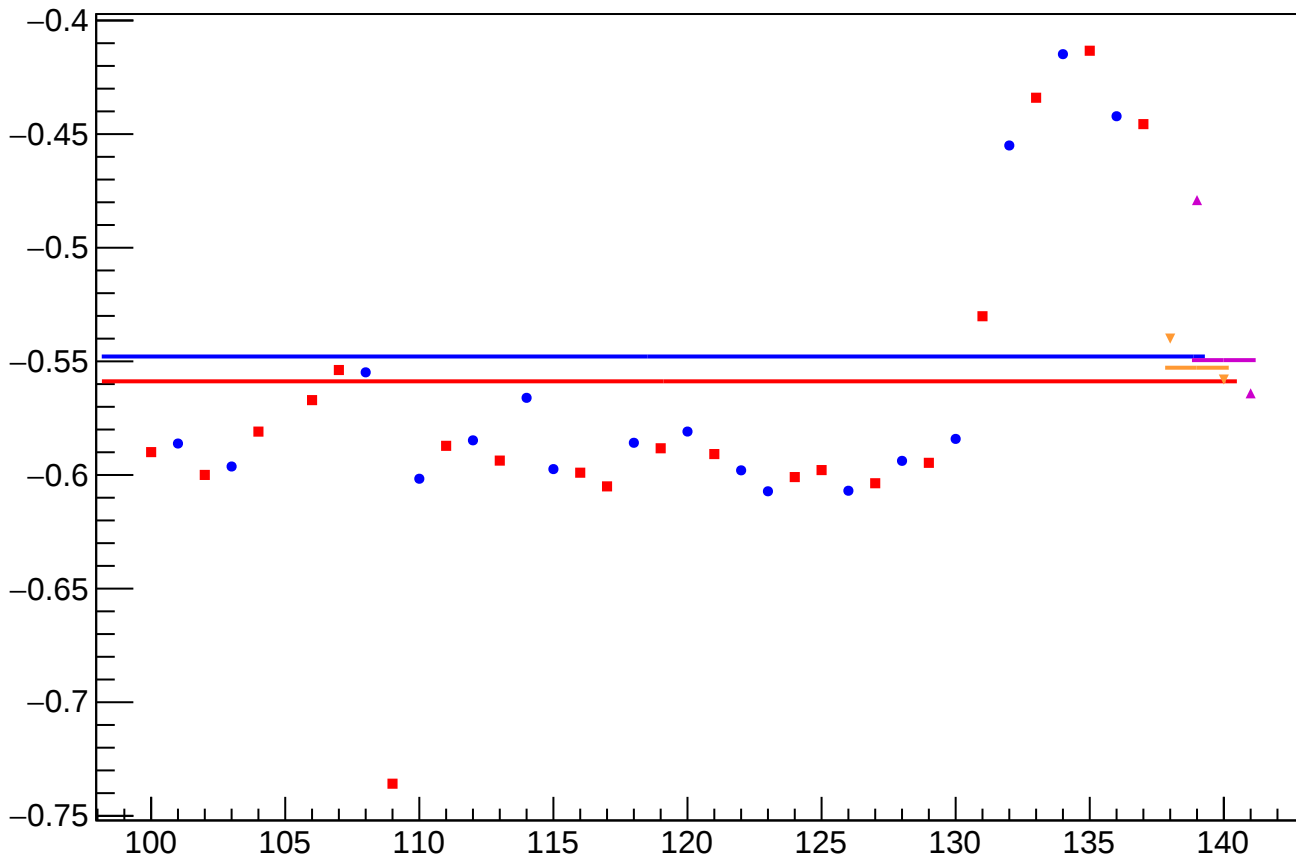
Right Out: 0.000+/-0.000 χ^2/NDF : 9575039.3/19

Left In: 0.001+/-0.000 χ^2/NDF :8225.6/1

0.000+/-0.000 χ^2/NDF : 12665669.3/18

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: -0.553+/-0.000 χ^2/NDF : 172867.6/1

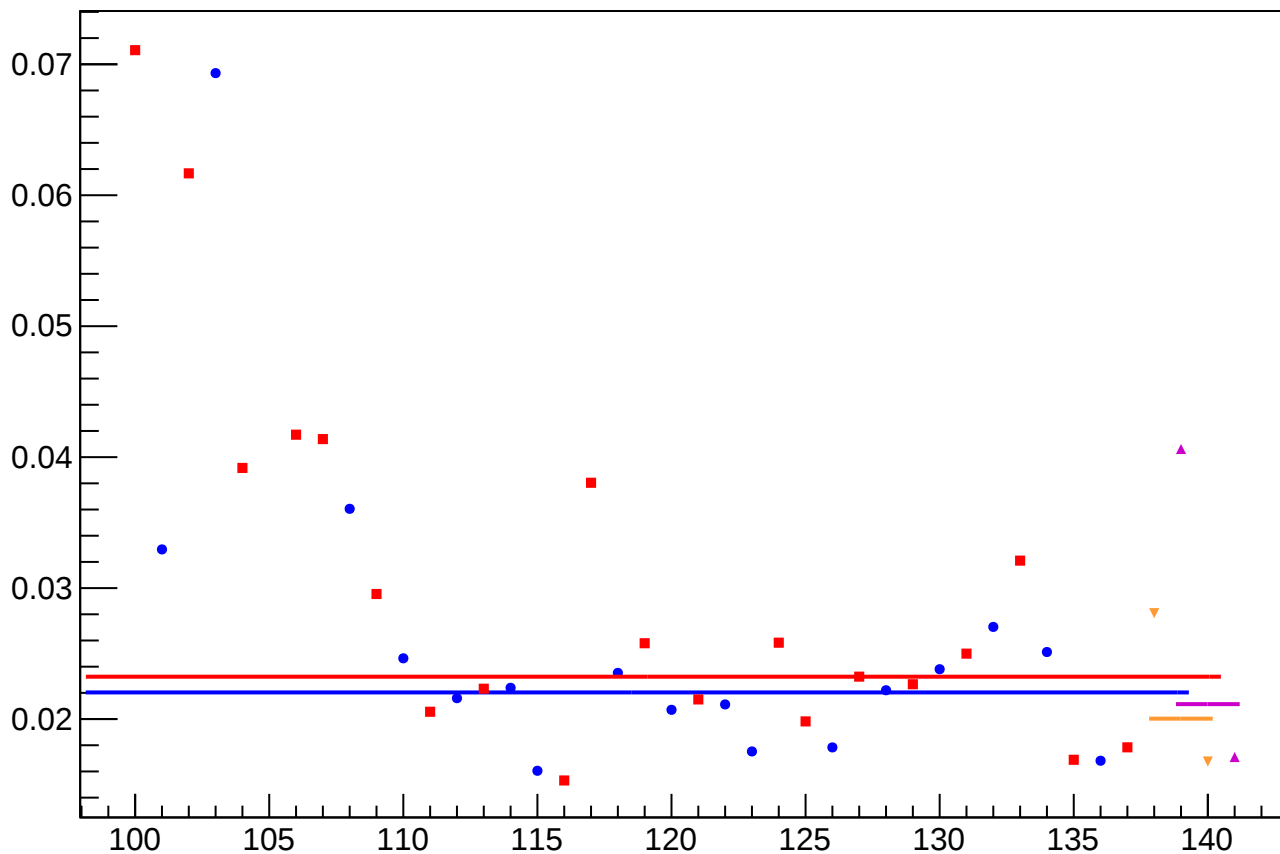
Right Out: -0.559+/-0.000 χ^2/NDF : 65741796.4/19

Left In: -0.549+/-0.000 χ^2/NDF : 2453960.7/1

-0.549+/-0.000 χ^2/NDF : 48803354.9/18

-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: 0.020 ± 0.000 χ^2/NDF : 136587.5/1

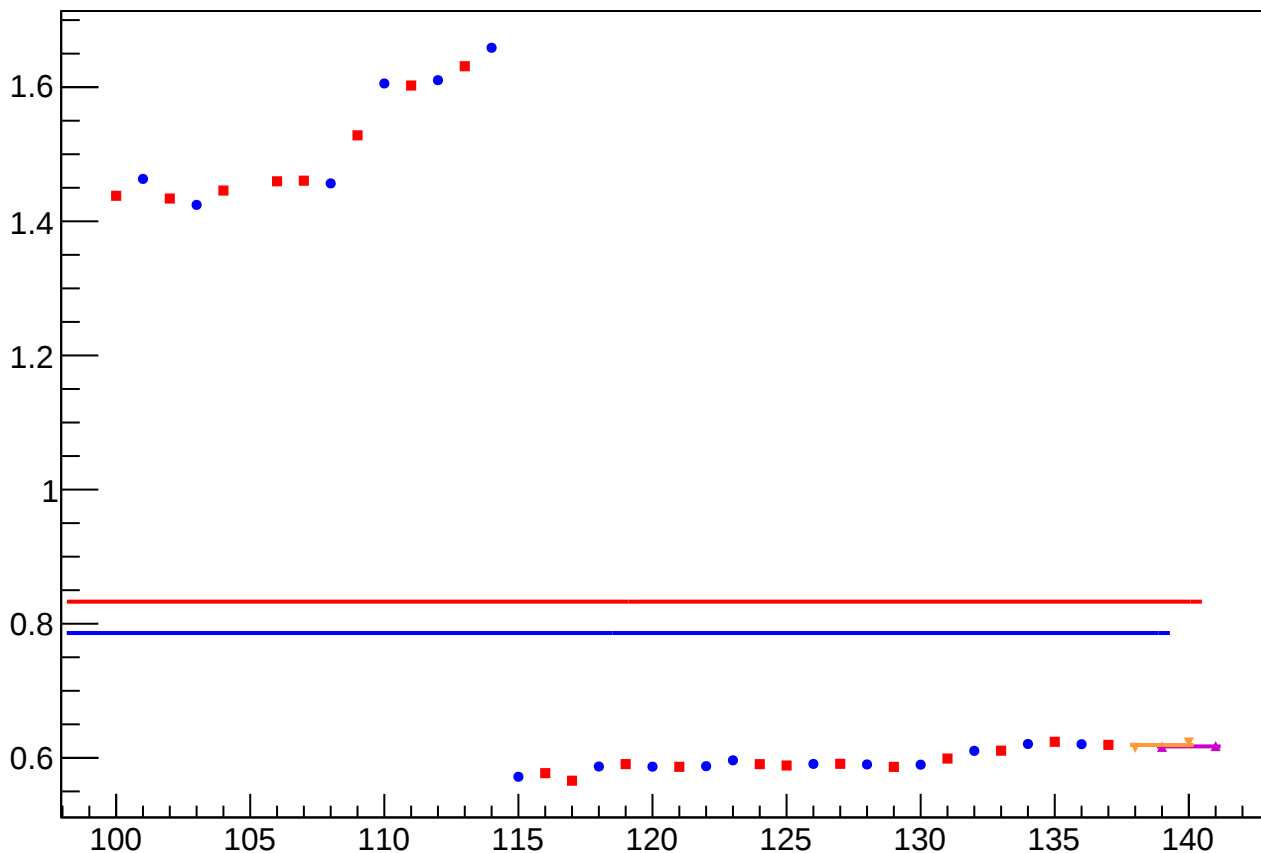
Right Out: 0.023 ± 0.000 χ^2/NDF : 1169205.3/19

Left In: 0.021 ± 0.000 χ^2/NDF : 375635.3/1

0.022 ± 0.000 χ^2/NDF : 1112218.2/18

0.023 ± 0.000 χ^2/NDF : 1561718.3/21

yield_bpm4aY_mean vs Slug



Right In: 0.786 $\pm$ 0.000 χ^2 /NDF: 3590113316.1/16

Left Out: 0.619 $\pm$ 0.000 χ^2 /NDF:165717.3/1

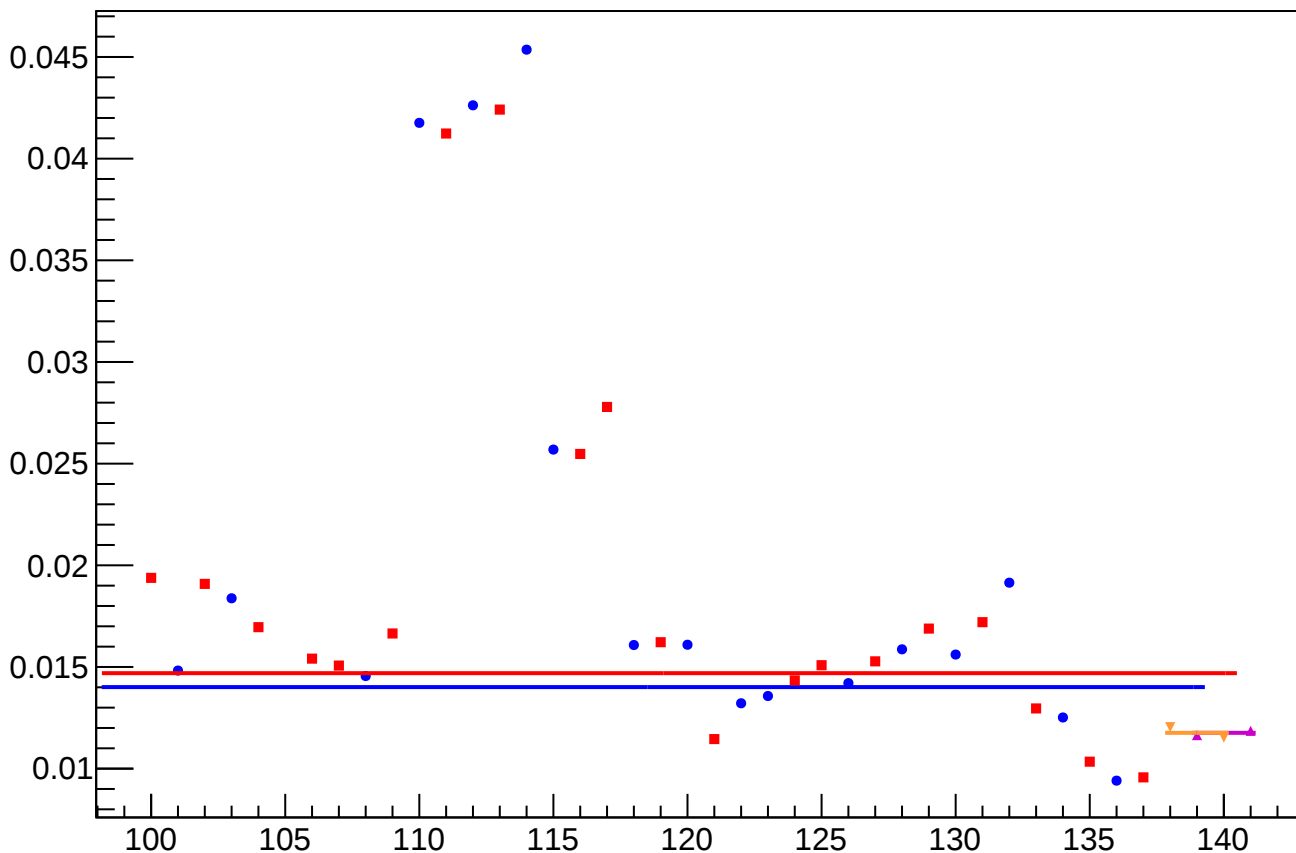
Right Out: 0.833 $\pm$ 0.000 χ^2 /NDF: 4160348649.7/19

Left In: 0.617 $\pm$ 0.000 χ^2 /NDF:4218.5/1

0.742 $\pm$ 0.000 χ^2 /NDF: 3804322878.8/18

0.773 $\pm$ 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 :1390.8/1

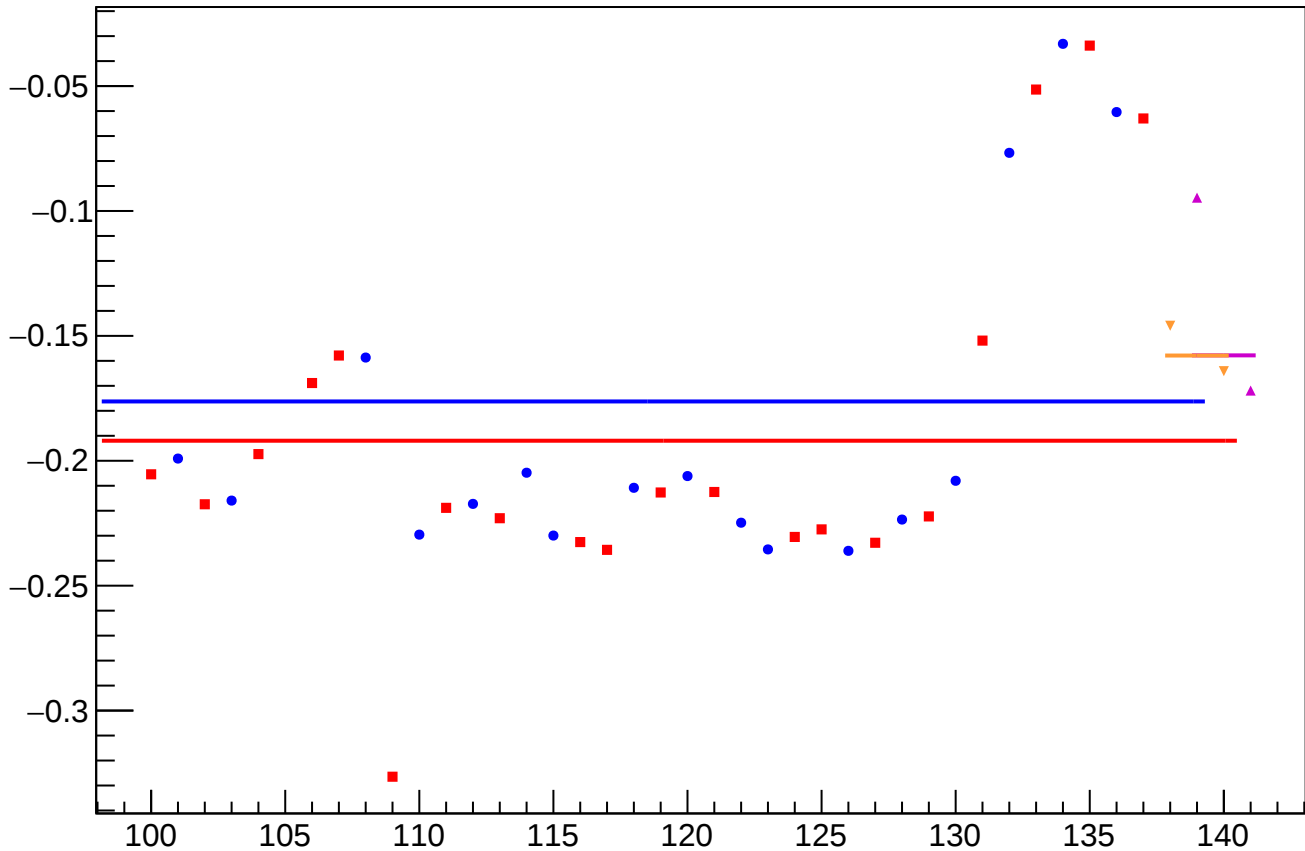
Right Out: 0.015+/-0.000 χ^2/NDF : 1280473.4/19

Left In: 0.012+/-0.000 χ^2/NDF :239.4/1

0.013+/-0.000 χ^2/NDF : 1483947.3/18

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: -0.158+/-0.000 χ^2/NDF : 176935.4/1

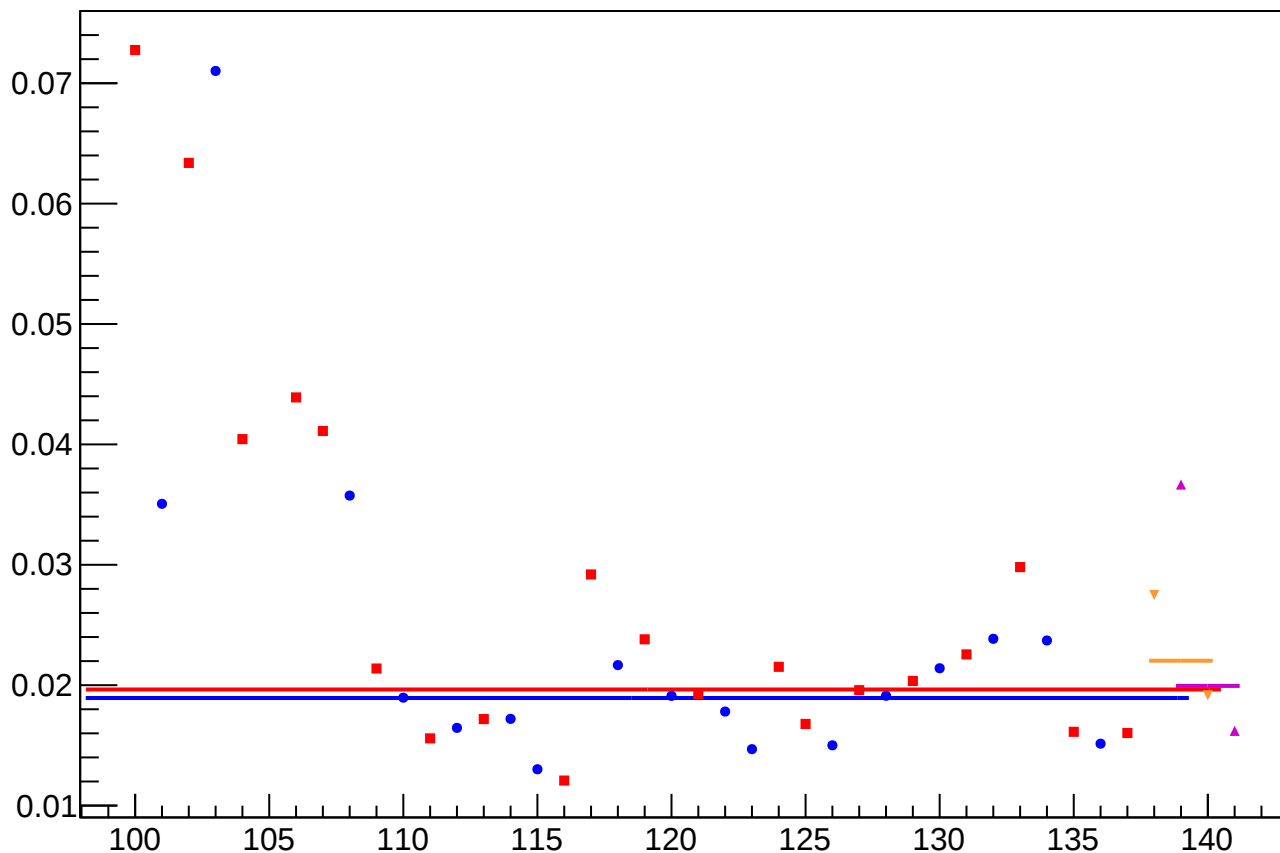
Right Out: -0.192+/-0.000 χ^2/NDF : 83899255.4/19

Left In: -0.158+/-0.000 χ^2/NDF : 2448470.4/1

-0.174+/-0.000 χ^2/NDF : 70997875.7/18

-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: 0.022+/-0.000 χ^2/NDF : 74194.0/1

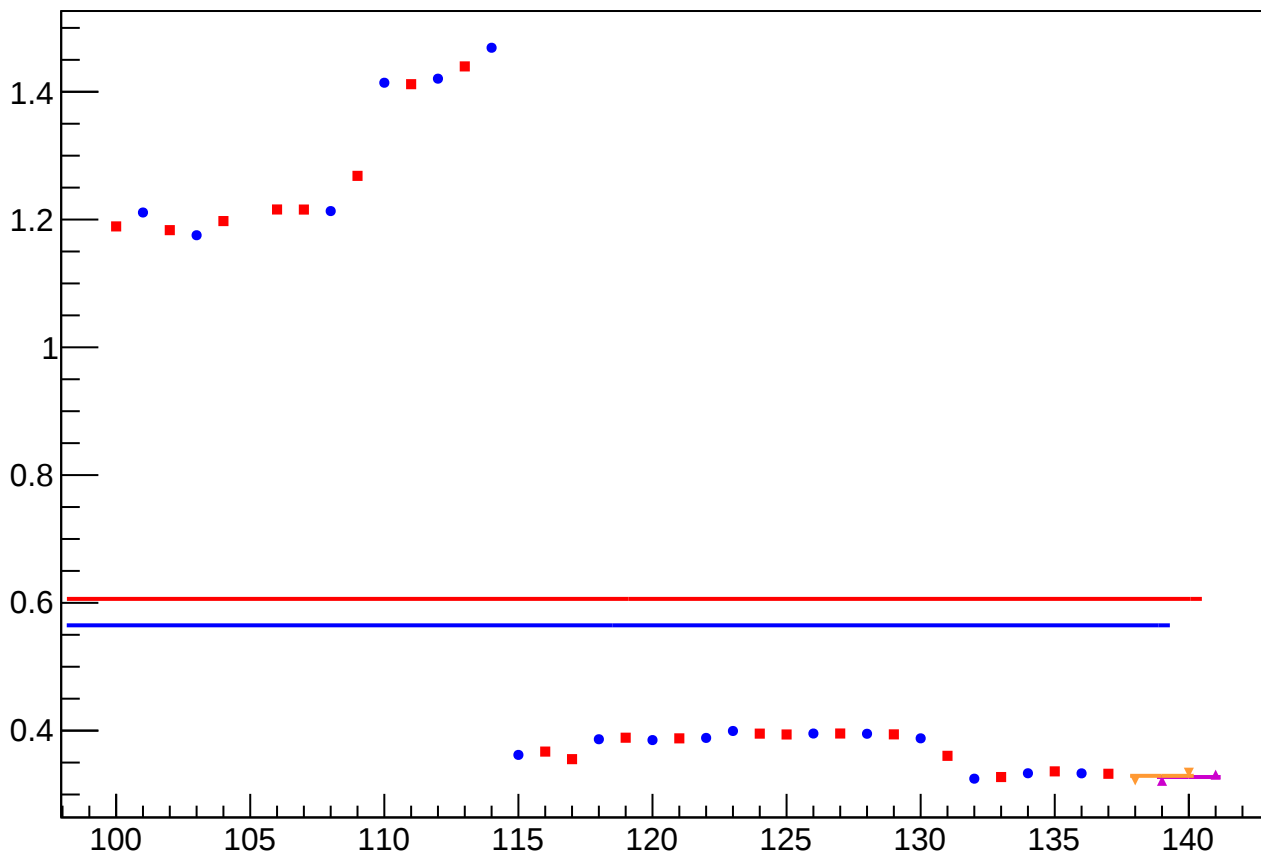
Right Out: 0.020+/-0.000 χ^2/NDF : 1466285.9/19

Left In: 0.020+/-0.000 χ^2/NDF : 343698.5/1

0.019+/-0.000 χ^2/NDF : 1318853.3/18

0.020+/-0.000 χ^2/NDF : 1810386.6/21

yield_bpm4eY_mean vs Slug



Right In: 0.565 $\pm$ 0.000 χ^2 /NDF: 5030969499.3/16

Left Out: 0.329 $\pm$ 0.000 χ^2 /NDF:329993.9/1

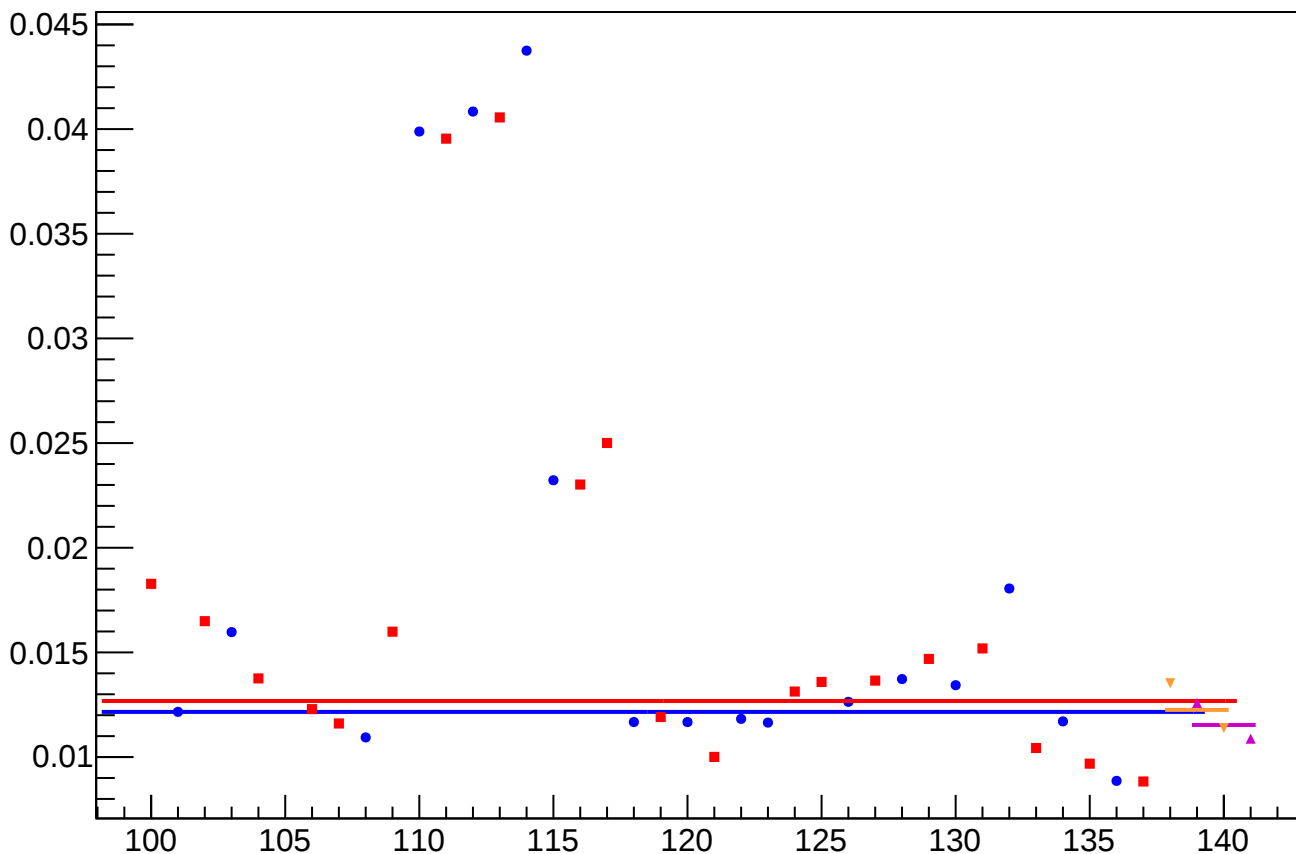
Right Out: 0.606 $\pm$ 0.000 χ^2 /NDF: 5517630064.2/19

Left In: 0.327 $\pm$ 0.000 χ^2 /NDF:236183.0/1

0.518 $\pm$ 0.000 χ^2 /NDF: 5454950131.1/18

0.542 $\pm$ 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:21014.0/1

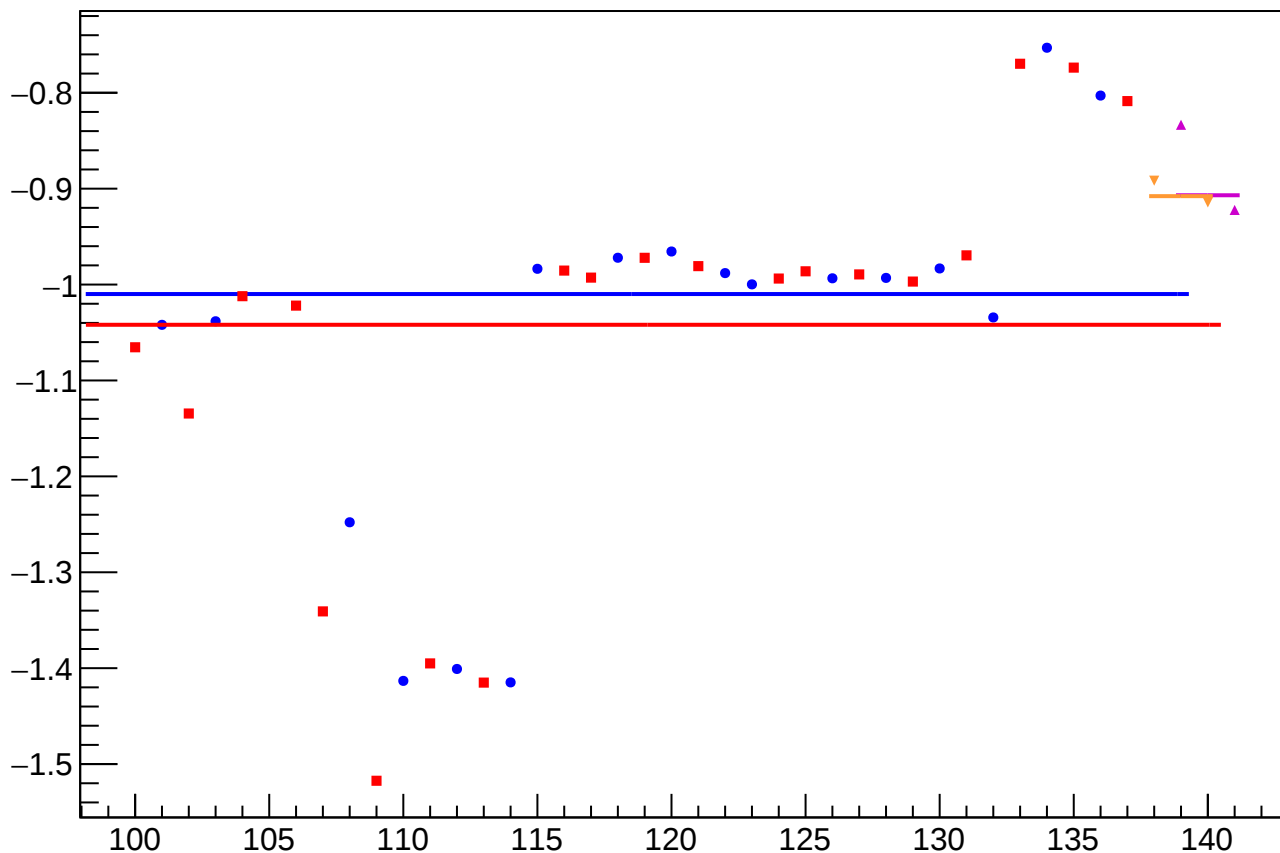
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1289415.7/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:14978.4/1

0.012 $\pm$ 0.000 χ^2 /NDF: 1331042.7/18

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: -0.908+/-0.000 χ^2/NDF : 288187.5/1

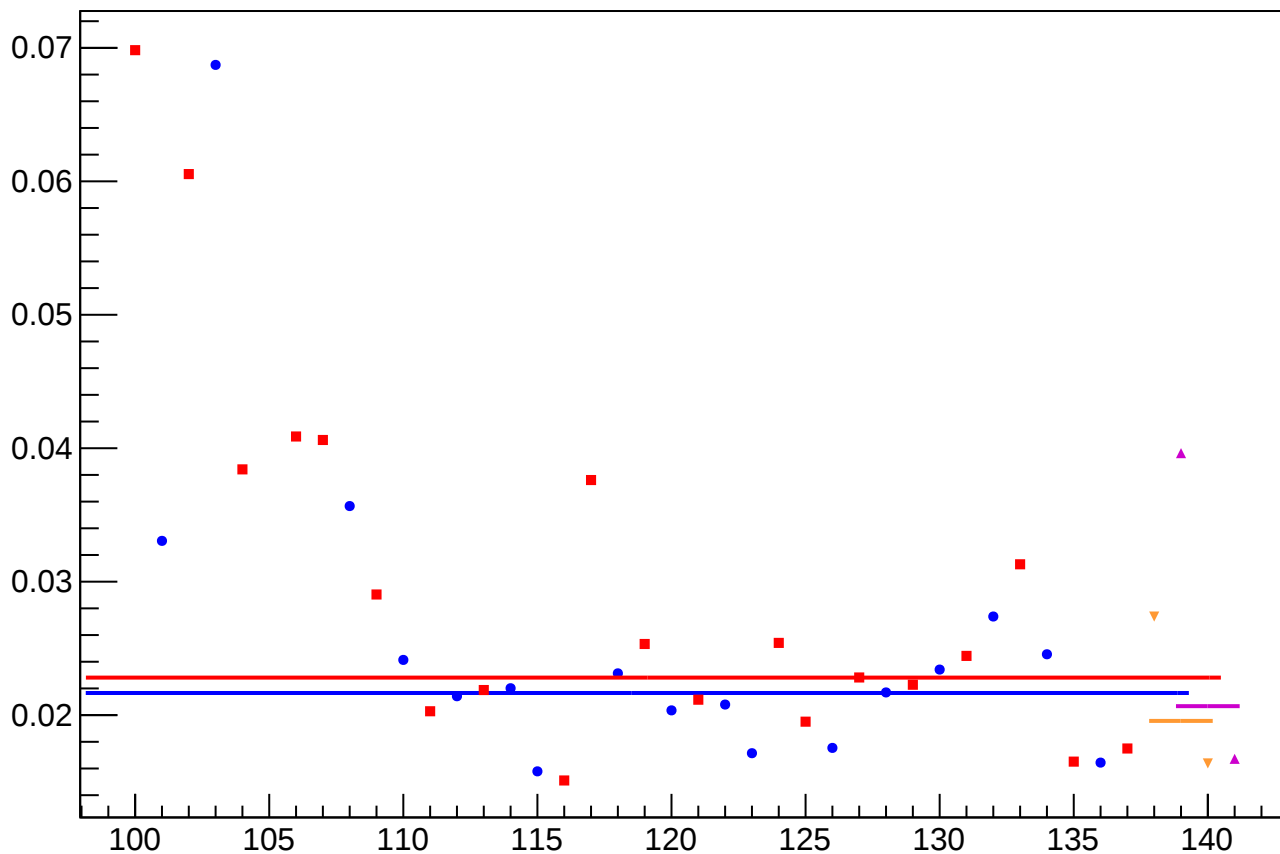
Right Out: -1.042+/-0.000 χ^2/NDF : 530175104.2/19

Left In: -0.907+/-0.000 χ^2/NDF : 2809852.3/1

-0.989+/-0.000 χ^2/NDF : 410592886.3/18

-1.016+/-0.000 χ^2/NDF : 569668629.6/21

yield_bpm4acX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 983499.8/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:135455.9/1

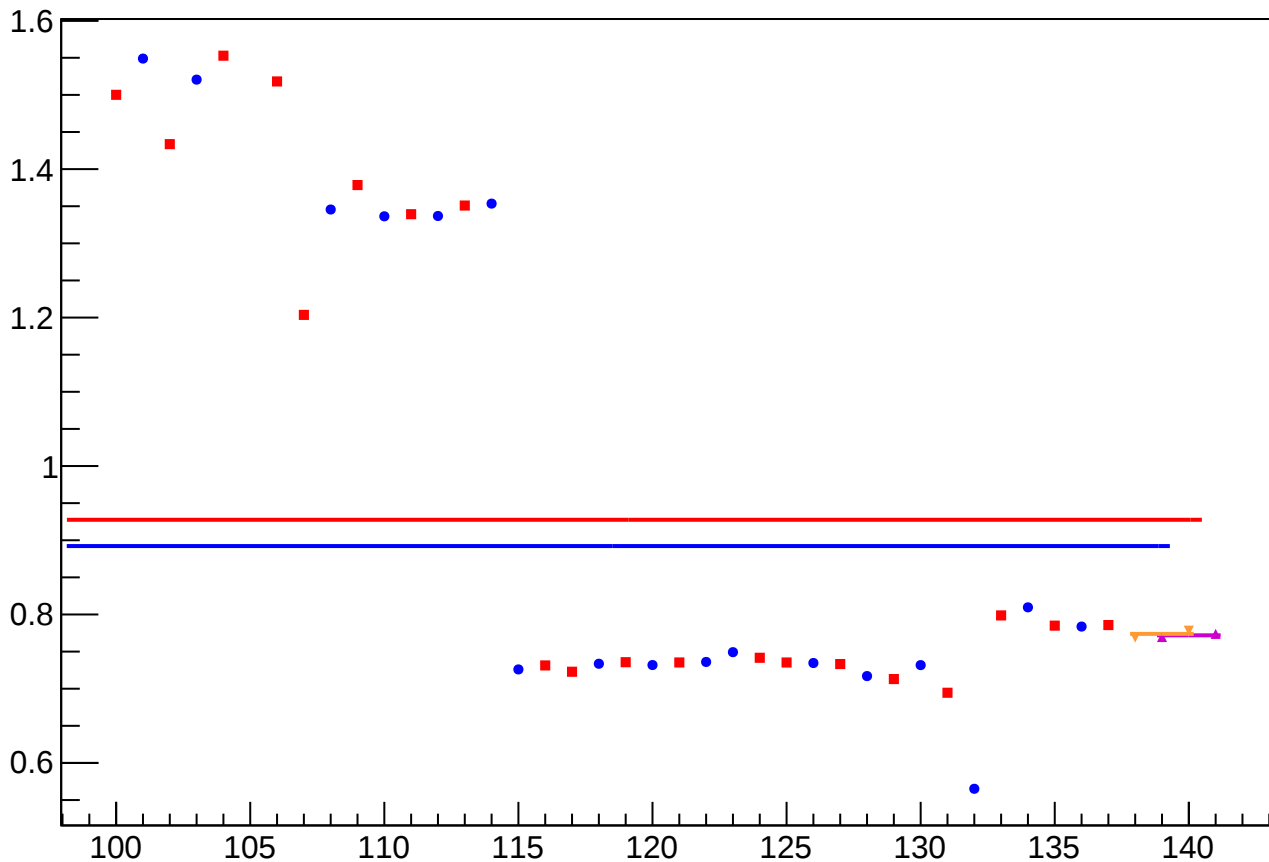
Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1165116.5/19

Left In: 0.021 $\pm$ 0.000 χ^2 /NDF:374006.1/1

0.021 $\pm$ 0.000 χ^2 /NDF: 1137986.2/18

0.022 $\pm$ 0.000 χ^2 /NDF: 1557544.6/21

yield_bpm4acY_mean vs Slug



Right In: 0.892+/-0.000 χ^2/NDF : 2413732173.6/16

Left Out: 0.774+/-0.000 χ^2/NDF :218165.8/1

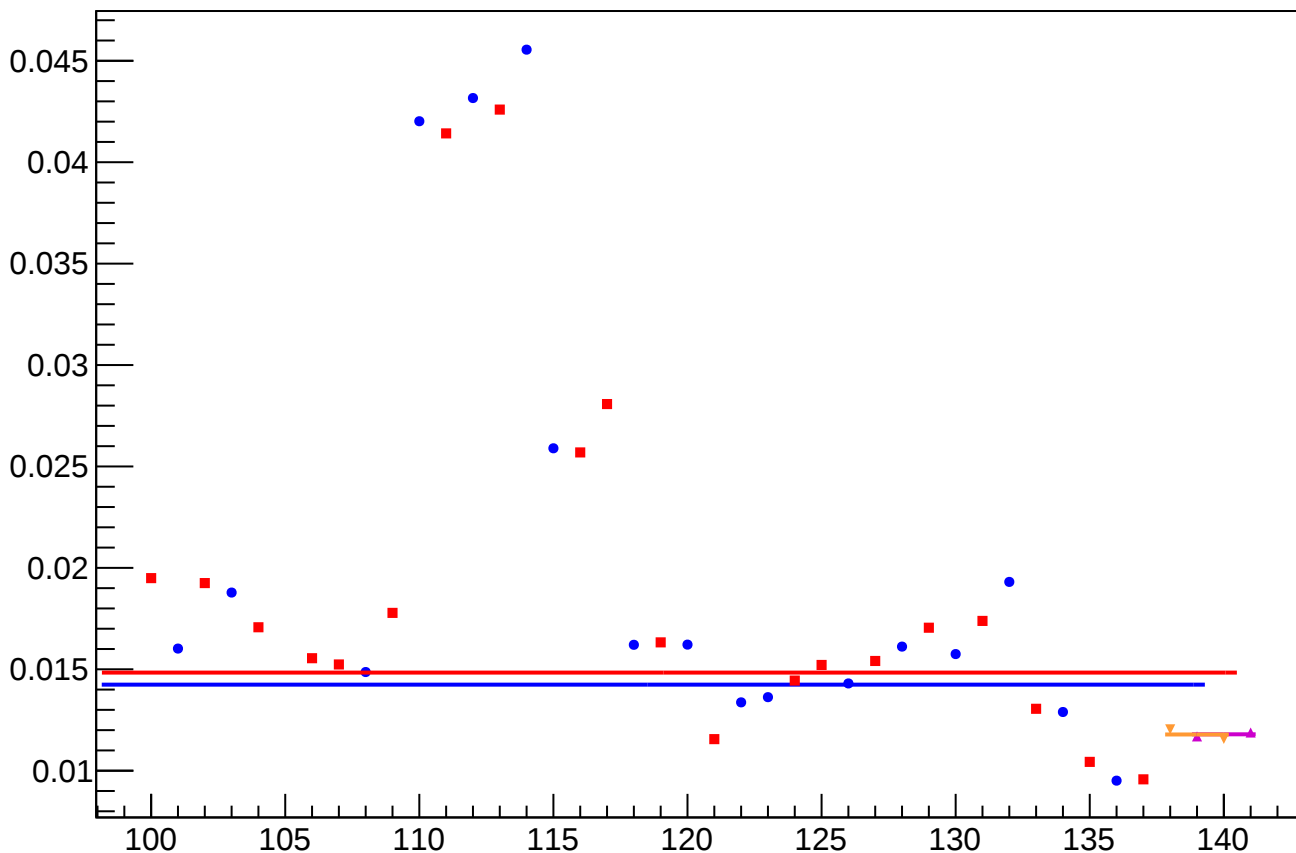
0.860+/-0.000 χ^2/NDF : 2519980568.4/18

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 :1150.6/1

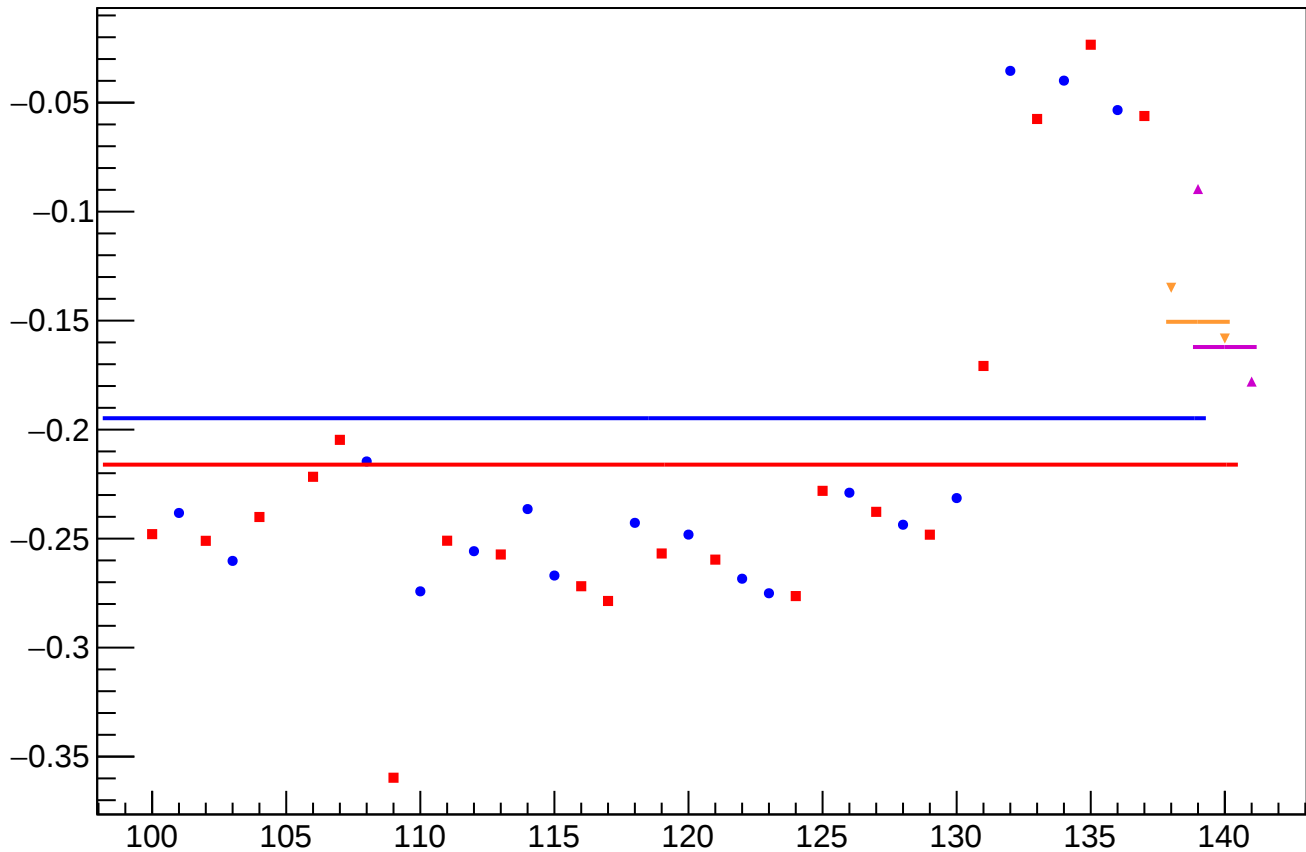
Right Out: 0.015+/-0.000 χ^2/NDF : 1291174.0/19

Left In: 0.012+/-0.000 χ^2/NDF :193.7/1

0.014+/-0.000 χ^2/NDF : 1508275.0/18

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: -0.151+/-0.000 χ^2/NDF : 313359.5/1

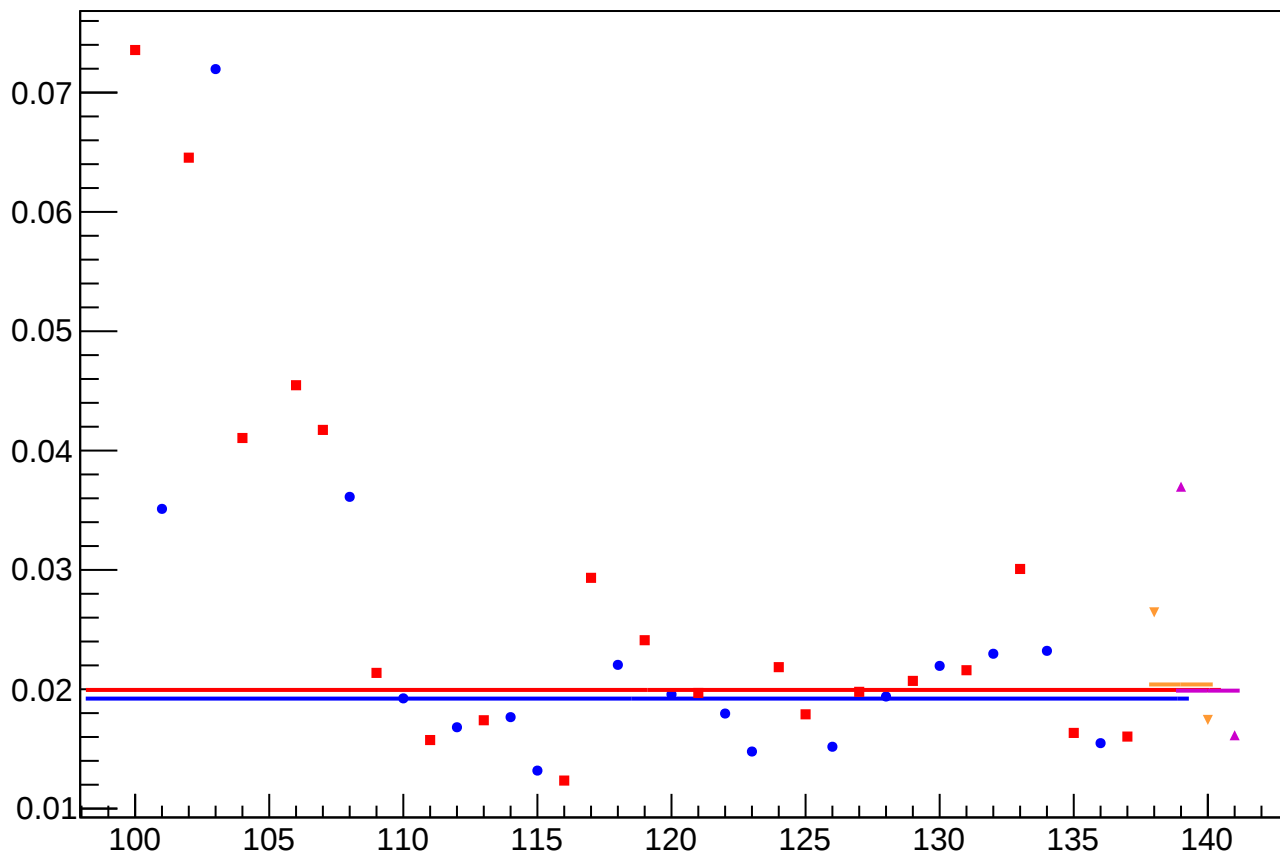
-0.188+/-0.000 χ^2/NDF : 113260852.0/18

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: 0.020+/-0.000 χ^2/NDF :93940.3/1

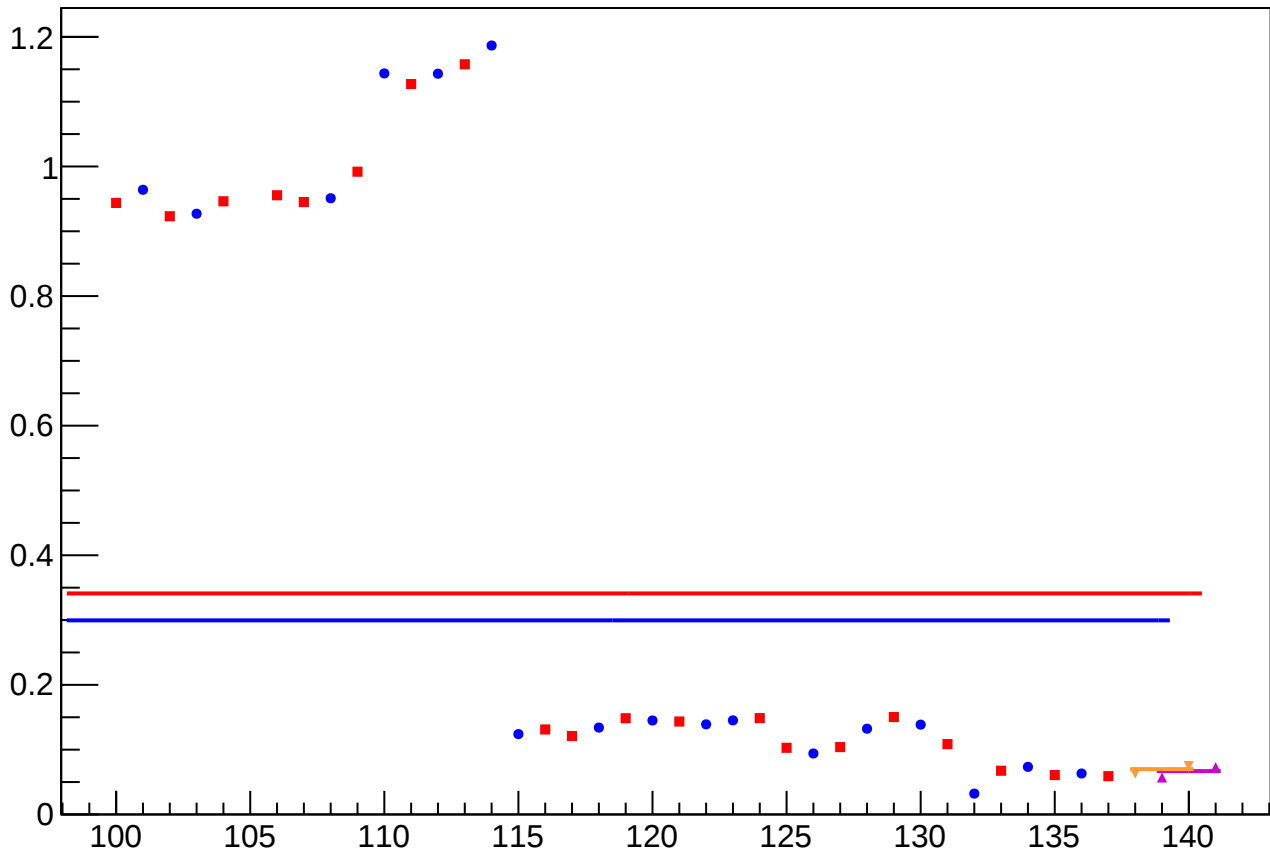
Right Out: 0.020+/-0.000 χ^2/NDF : 1455211.7/19

Left In: 0.020+/-0.000 χ^2/NDF :351007.1/1

0.019+/-0.000 χ^2/NDF : 1277183.0/18

0.020+/-0.000 χ^2/NDF : 1806235.0/21

yield_bpm4ecY_mean vs Slug



Right In: 0.300 $\pm$ 0.000 χ^2 /NDF: 5165052137.6/16

Left Out: 0.070 $\pm$ 0.000 χ^2 /NDF:346124.7/1

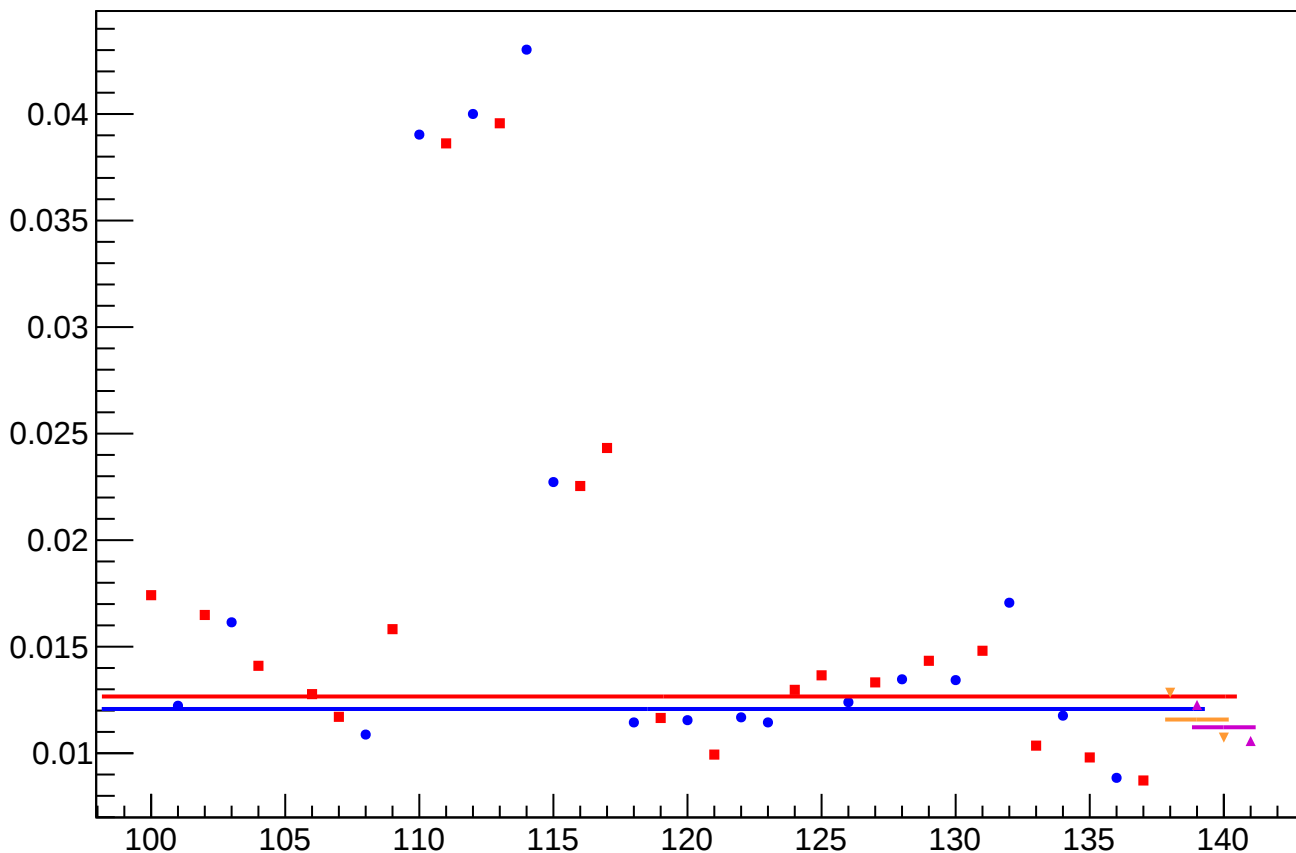
0.250 $\pm$ 0.000 χ^2 /NDF: 5604996668.6/18

Right Out: 0.341 $\pm$ 0.000 χ^2 /NDF: 5453748737.7/19

0.276 $\pm$ 0.000 χ^2 /NDF: 6114903413.5/21

Left In: 0.067 $\pm$ 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: 0.012+/-0.000 χ^2/NDF :22665.0/1

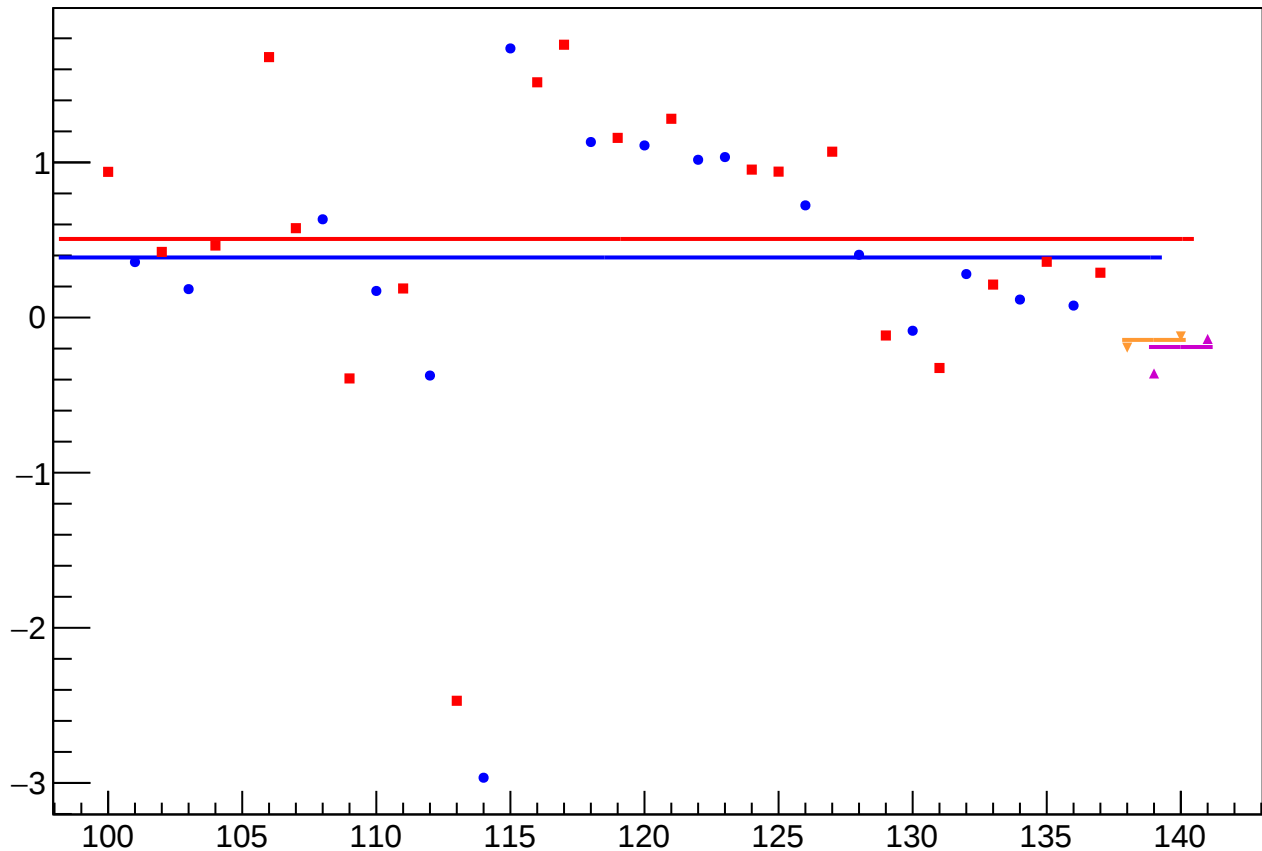
Right Out: 0.013+/-0.000 χ^2/NDF : 1255391.1/19

Left In: 0.011+/-0.000 χ^2/NDF :15564.2/1

0.012+/-0.000 χ^2/NDF : 1308845.1/18

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: -0.144+/-0.000 χ^2/NDF : 110727.8/1

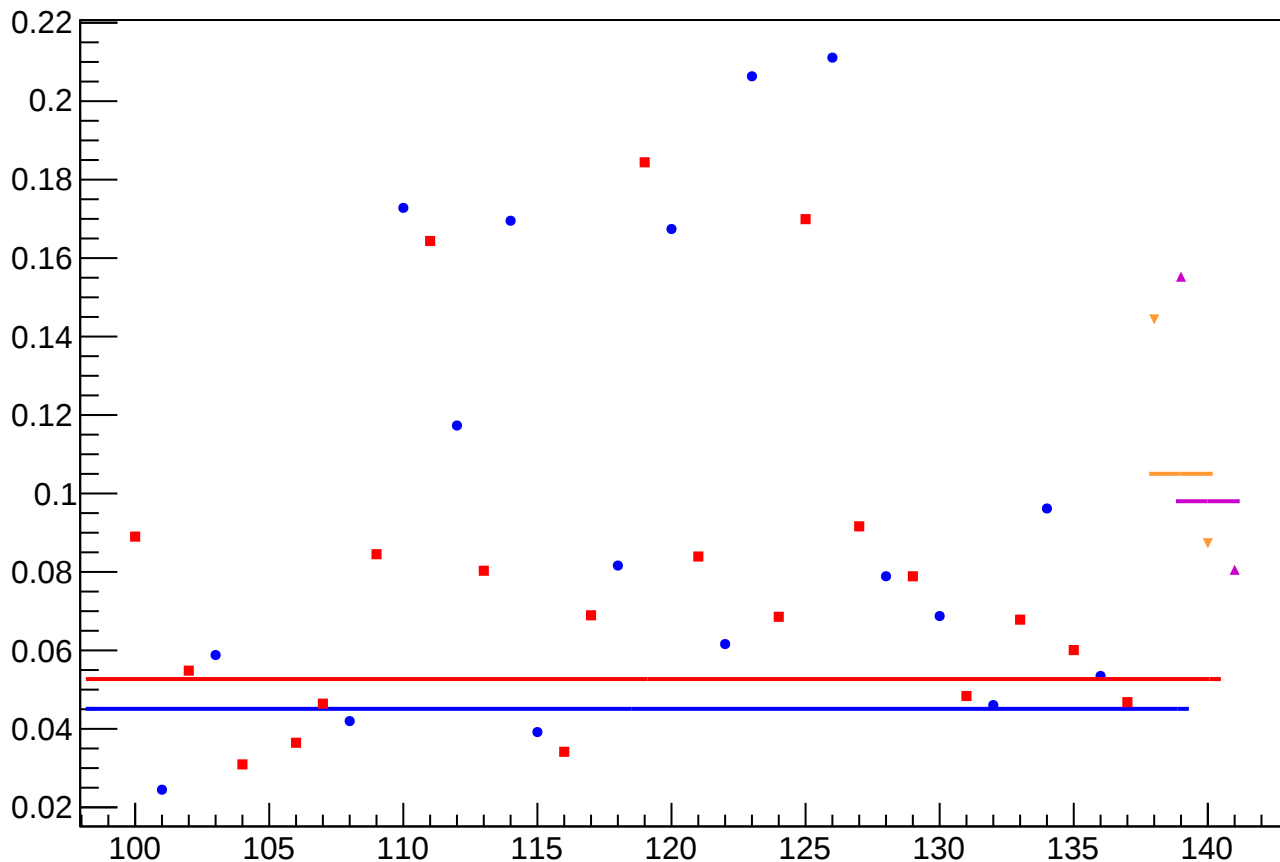
Right Out: 0.507+/-0.000 χ^2/NDF : 995347030.4/19

Left In: -0.190+/-0.000 χ^2/NDF : 929775.5/1

0.359+/-0.000 χ^2/NDF : 274596708.5/18

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: 0.105+/-0.000 χ^2/NDF :138624.5/1

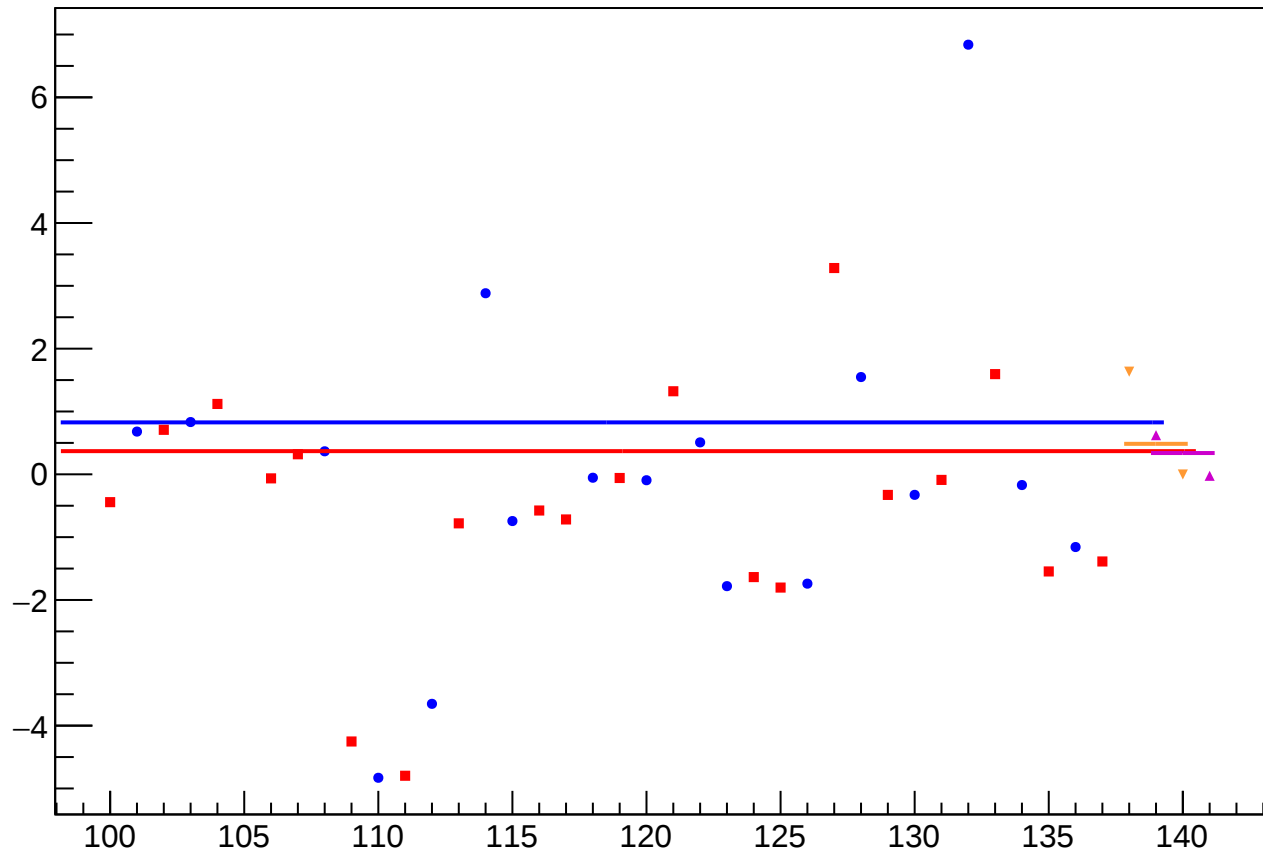
Right Out: 0.053+/-0.000 χ^2/NDF : 2194555.4/19

Left In: 0.098+/-0.000 χ^2/NDF :209592.7/1

0.048+/-0.000 χ^2/NDF : 3660329.7/18

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: 0.485 ± 0.000 χ^2/NDF : 107399392.1/1

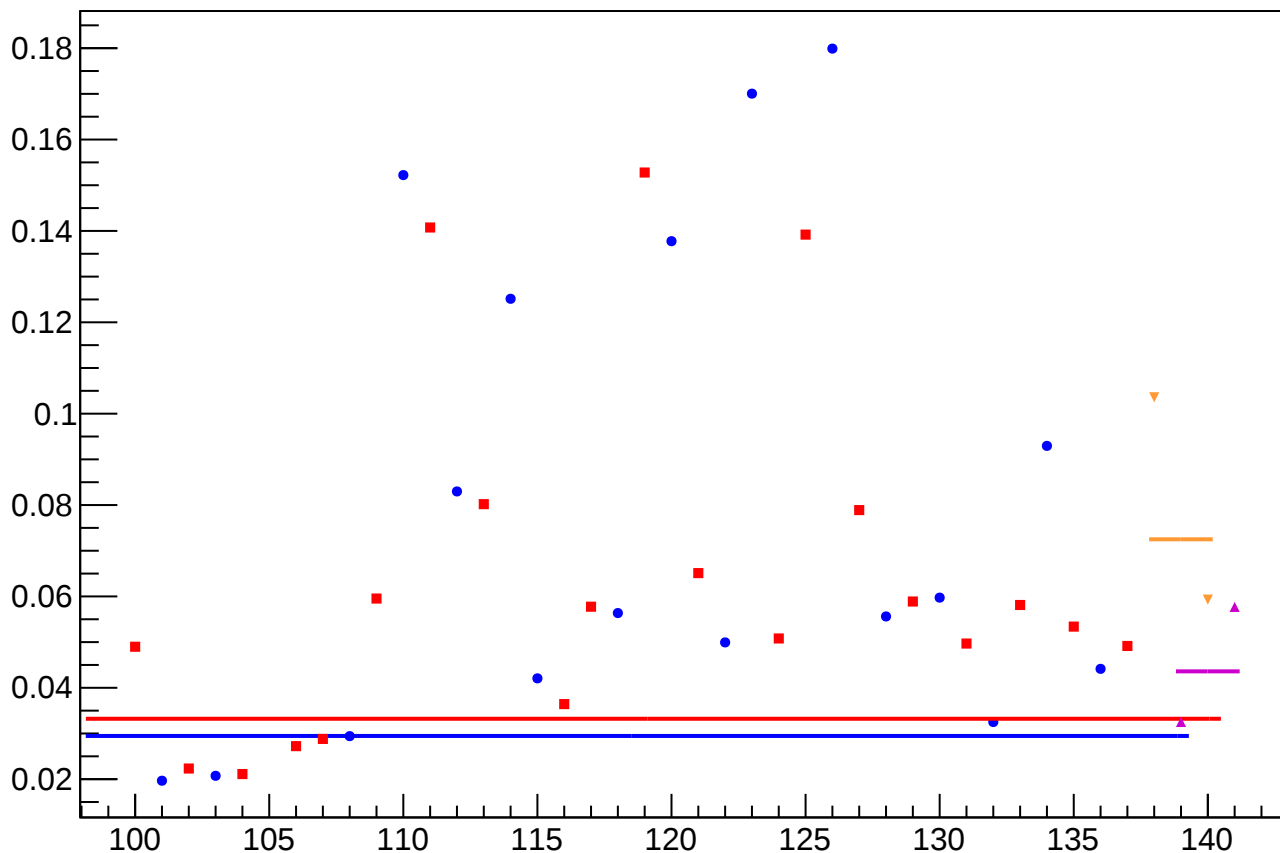
Right Out: 0.369 ± 0.000 χ^2/NDF : 4985860510.0/19

Left In: 0.339 ± 0.000 χ^2/NDF : 33221970.2/1

0.811 ± 0.000 χ^2/NDF : 11065152005.4/18

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: 0.073+/-0.000 χ^2/NDF :157304.6/1

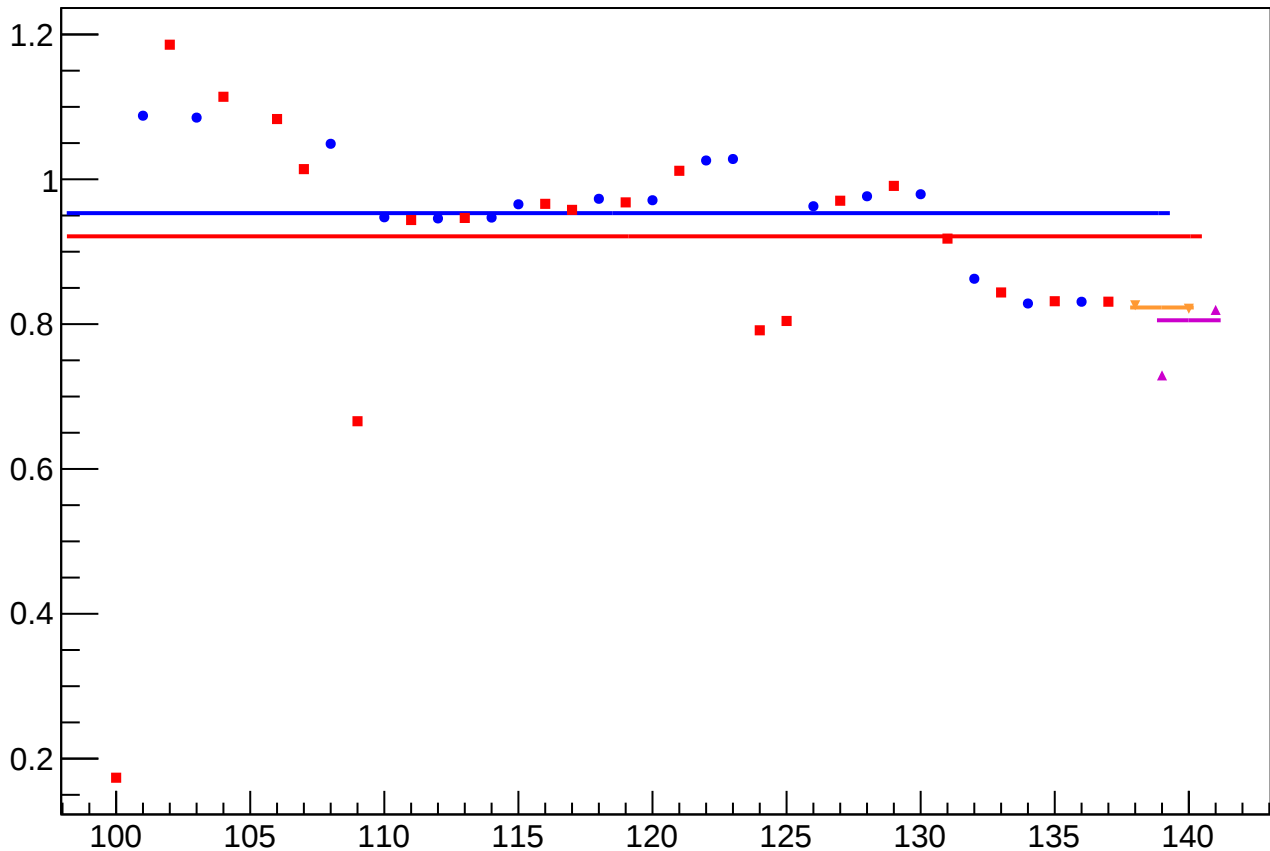
Right Out: 0.033+/-0.000 χ^2/NDF : 3110014.7/19

Left In: 0.044+/-0.000 χ^2/NDF :100824.1/1

0.031+/-0.000 χ^2/NDF : 3888169.8/18

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: 0.823 ± 0.000 χ^2/NDF : 37012.0/1

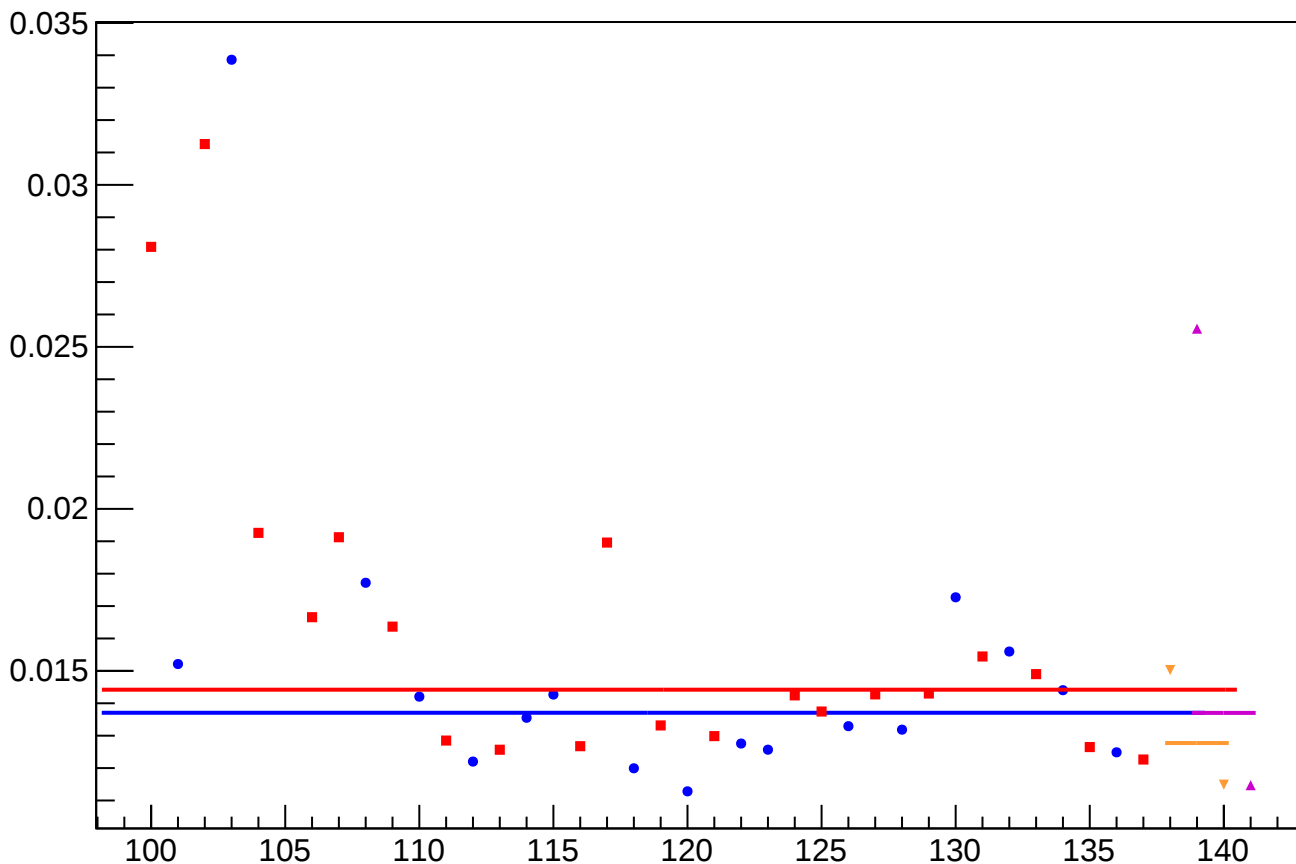
Right Out: 0.921 ± 0.000 χ^2/NDF : 374376205.4/19

Left In: 0.805 ± 0.000 χ^2/NDF : 6922597.8/1

0.929 ± 0.000 χ^2/NDF : 274217514.0/18

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: 0.013+/-0.000 χ^2/NDF : 41483.0/1

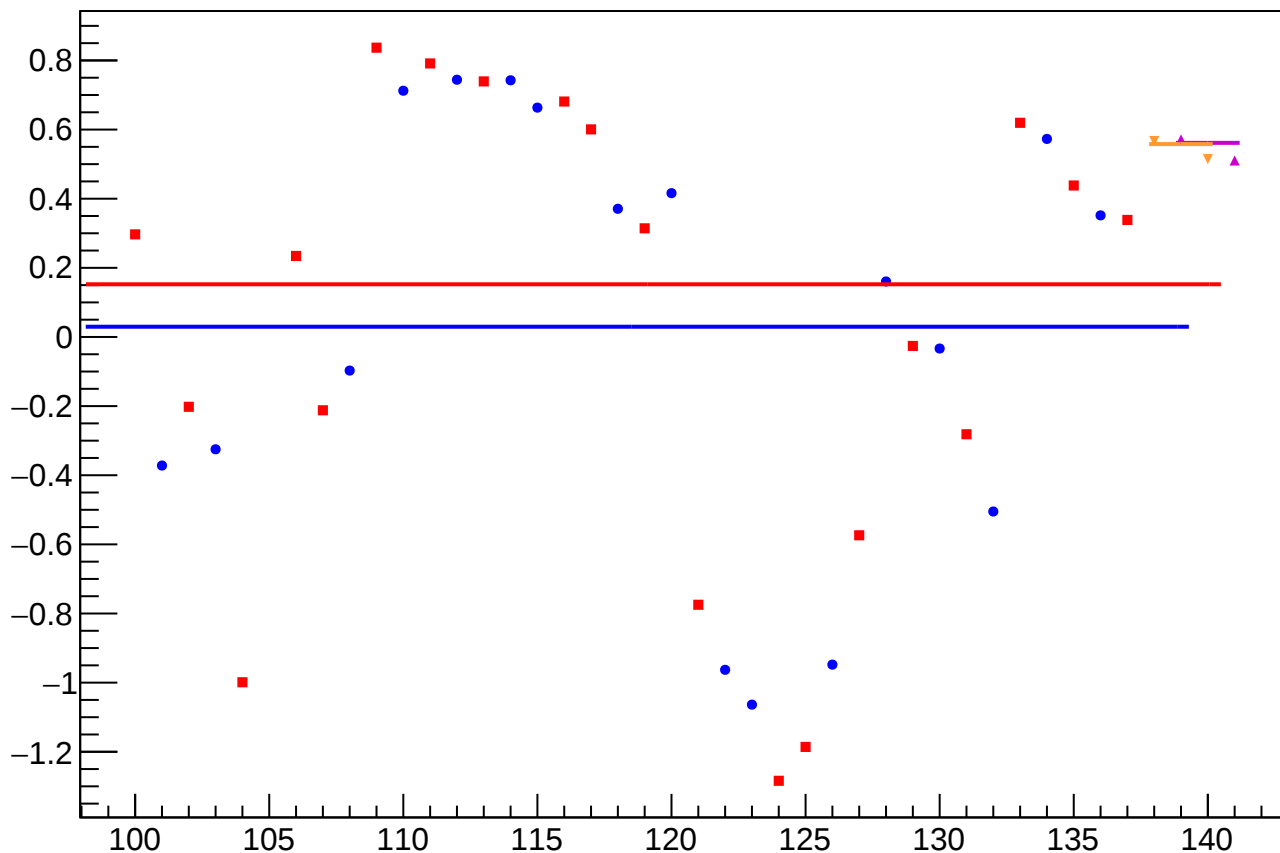
Right Out: 0.014+/-0.000 χ^2/NDF : 506553.4/19

Left In: 0.014+/-0.000 χ^2/NDF : 336179.3/1

0.014+/-0.000 χ^2/NDF : 597961.9/18

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: 0.558 $\pm$ 0.000 χ^2 /NDF:8308815.3/1

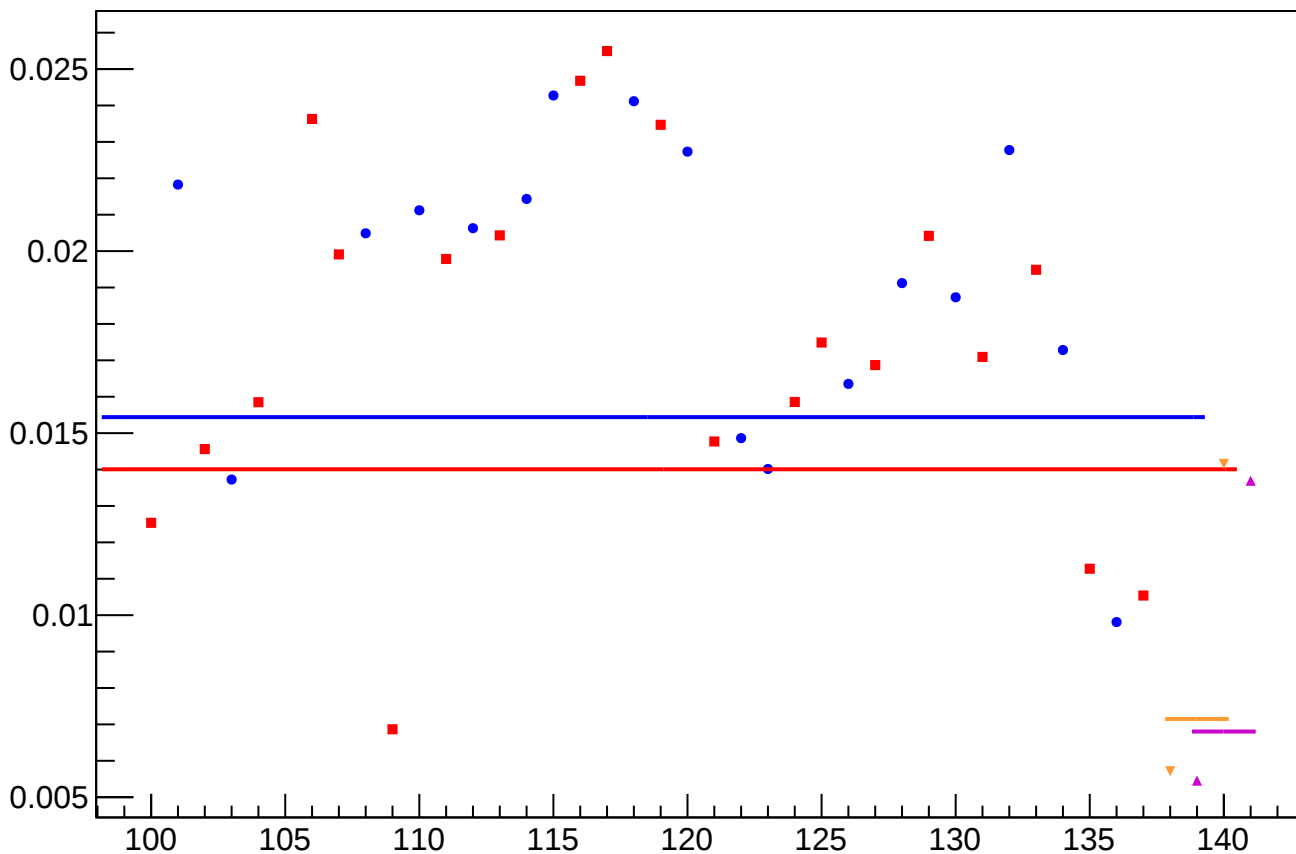
Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12673501089.9/19

Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:12927596.7/1

0.280 $\pm$ 0.000 χ^2 /NDF: 9446930476.0/18

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: 0.007+/-0.000 χ^2/NDF :431309.8/1

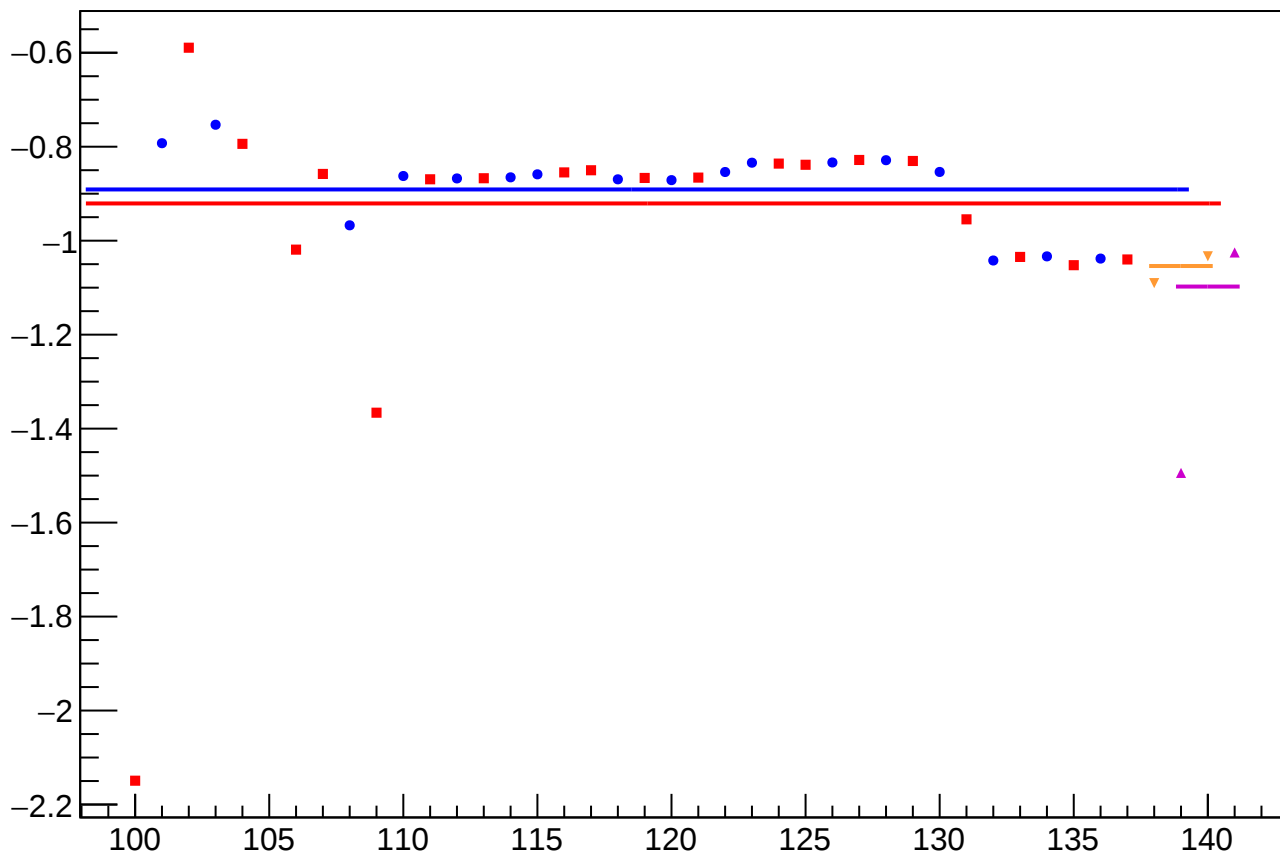
0.012+/-0.000 χ^2/NDF : 3141454.6/18

Right Out: 0.014+/-0.000 χ^2/NDF : 1576149.9/19

0.011+/-0.000 χ^2/NDF : 3445737.3/21

Left In: 0.007+/-0.000 χ^2/NDF :471642.4/1

yield_bpm12X_mean vs Slug



Right In: -0.891+/-0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.054+/-0.000 χ^2/NDF : 833335.7/1

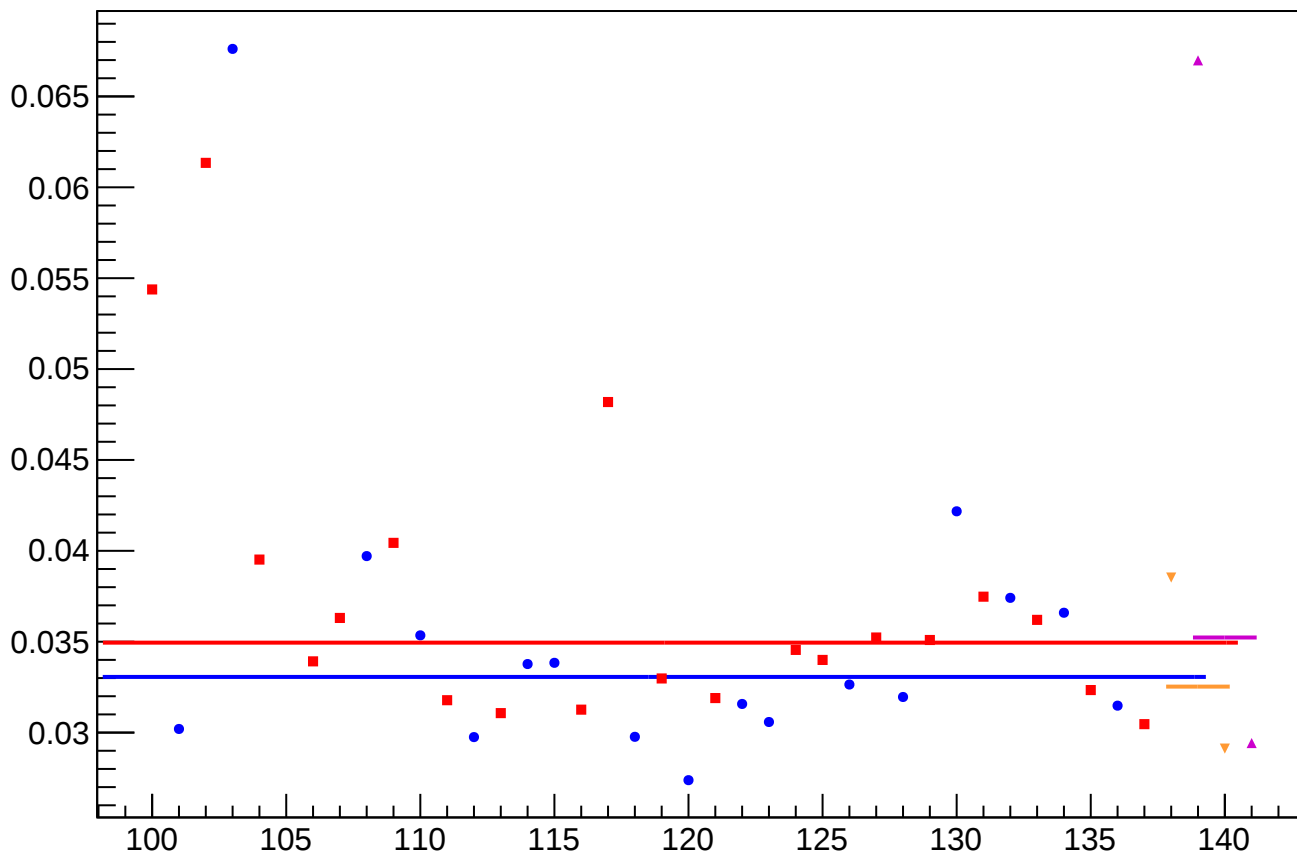
Right Out: -0.921+/-0.000 χ^2/NDF : 131271770.4/19

Left In: -1.098+/-0.000 χ^2/NDF : 27240665.6/1

-0.919+/-0.000 χ^2/NDF : 64778275.7/18

-0.949+/-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: 0.033+/-0.000 χ^2/NDF :45299.2/1

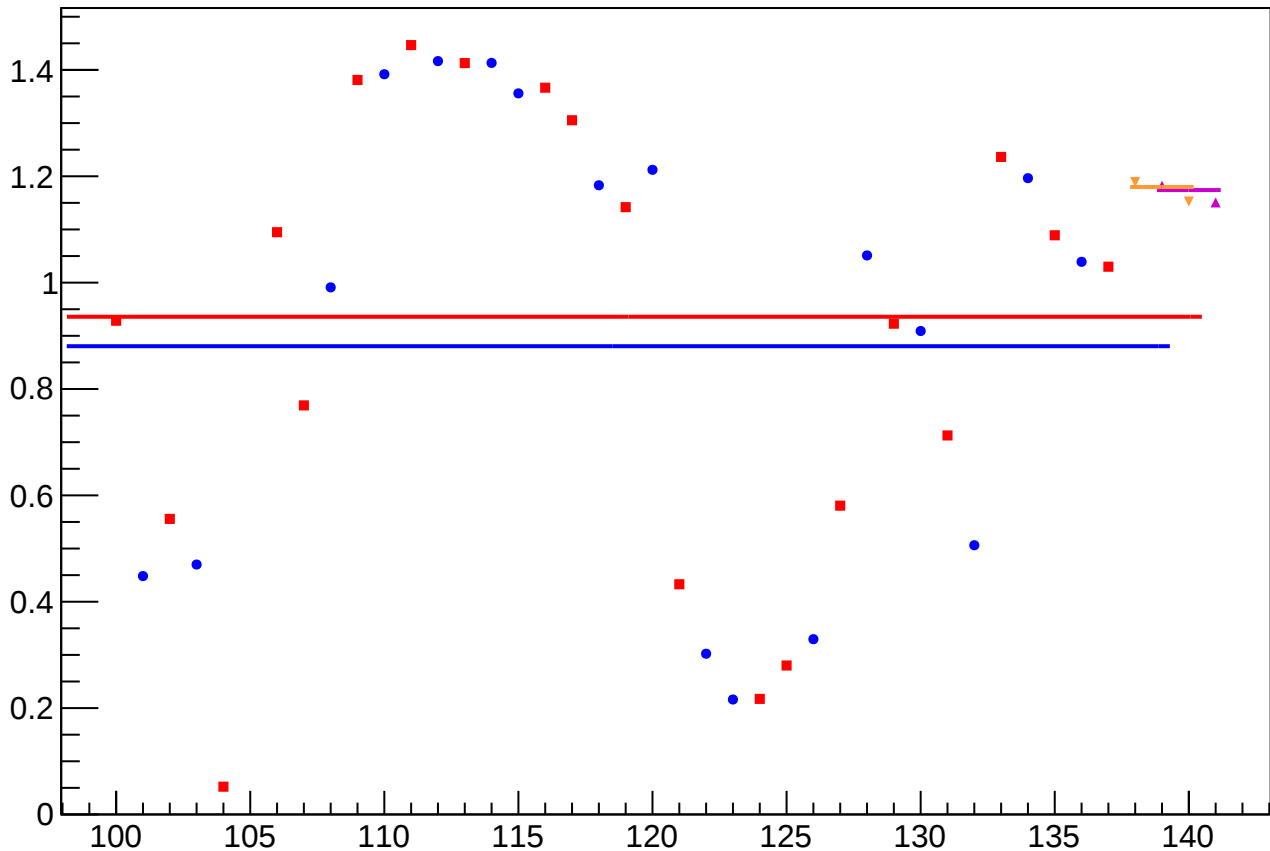
Right Out: 0.035+/-0.000 χ^2/NDF : 280500.4/19

Left In: 0.035+/-0.000 χ^2/NDF :349260.4/1

0.033+/-0.000 χ^2/NDF : 455106.9/18

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: 1.180 ± 0.000 χ^2/NDF : 8062297.7/1

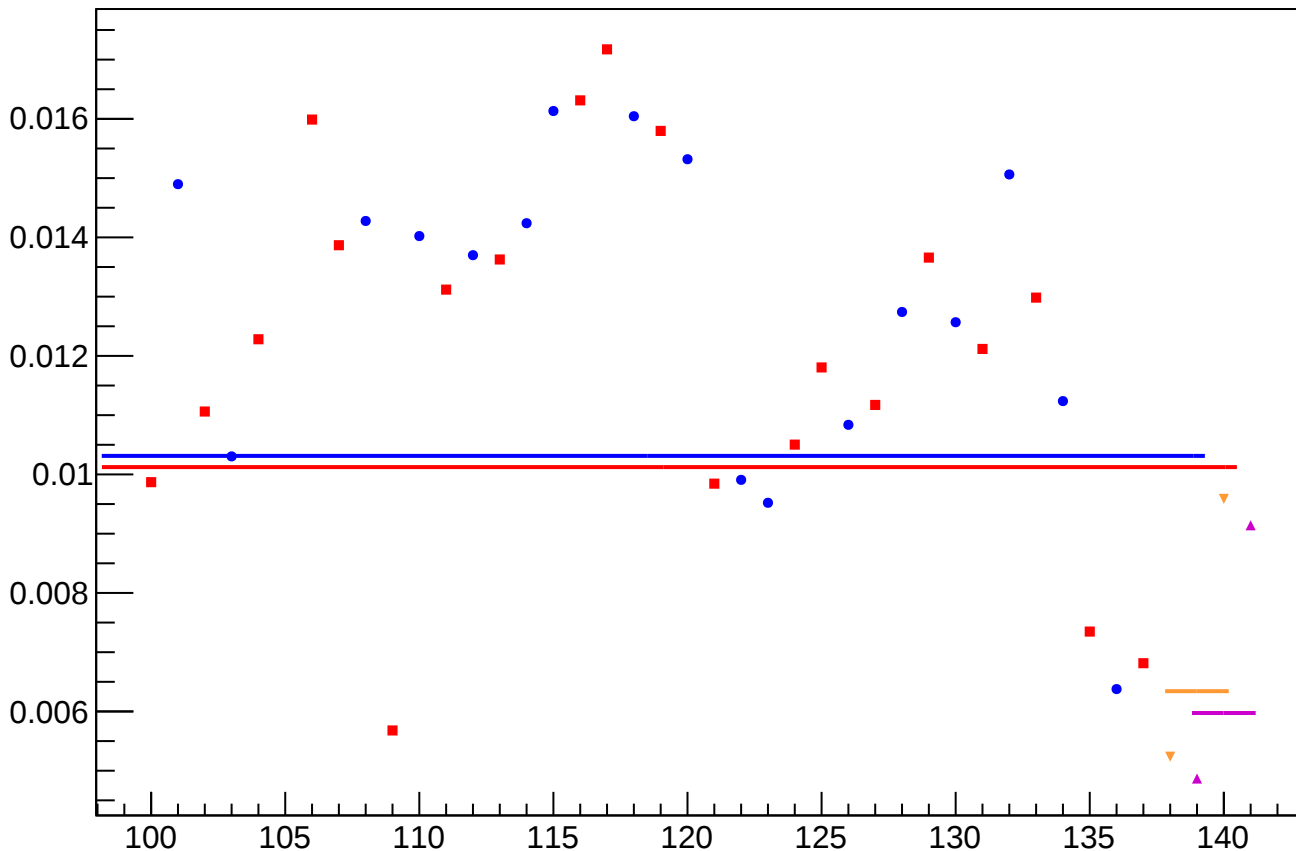
0.992 ± 0.000 χ^2/NDF : 8174160353.2/18

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: 0.006+/-0.000 χ^2/NDF : 225656.3/1

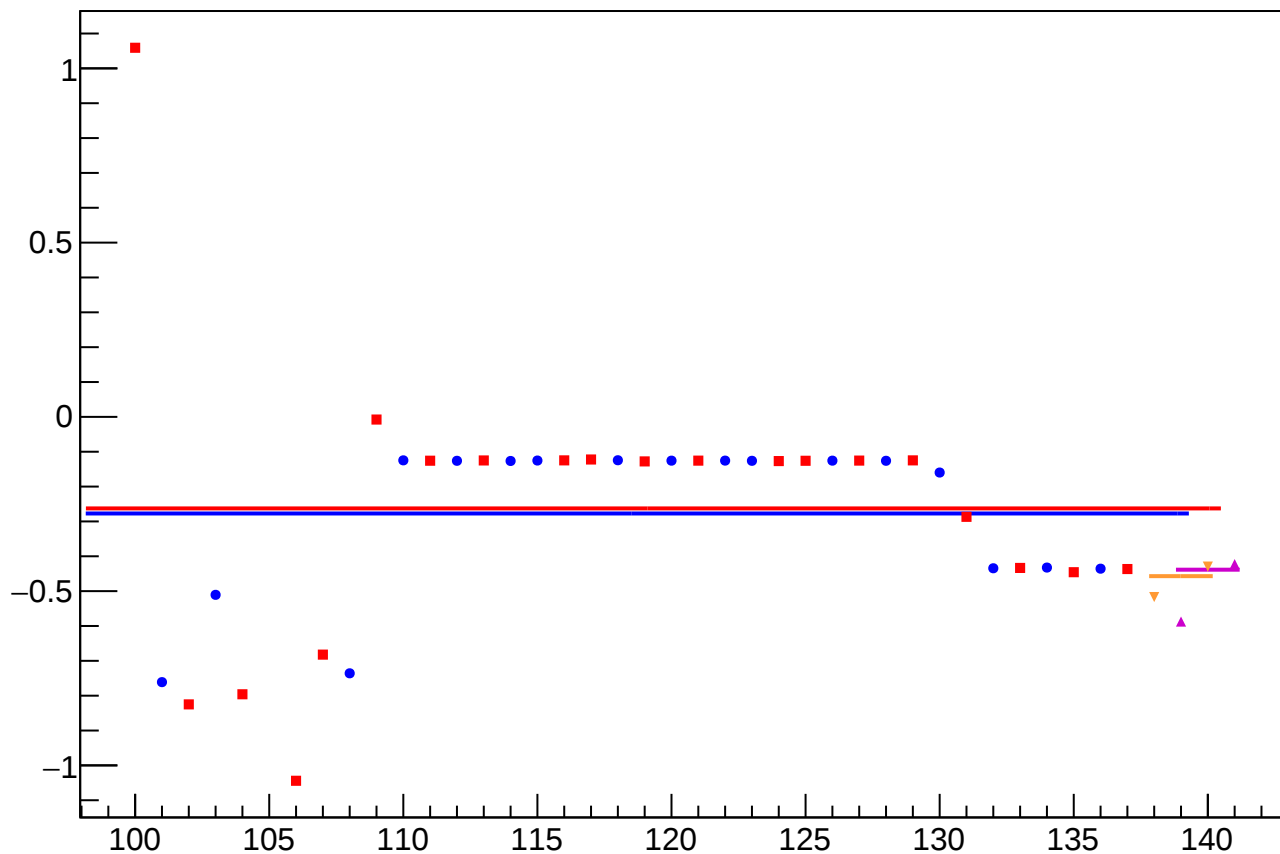
0.009+/-0.000 χ^2/NDF : 2077900.6/18

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: -0.457+/-0.000 χ^2/NDF :18961758.1/1

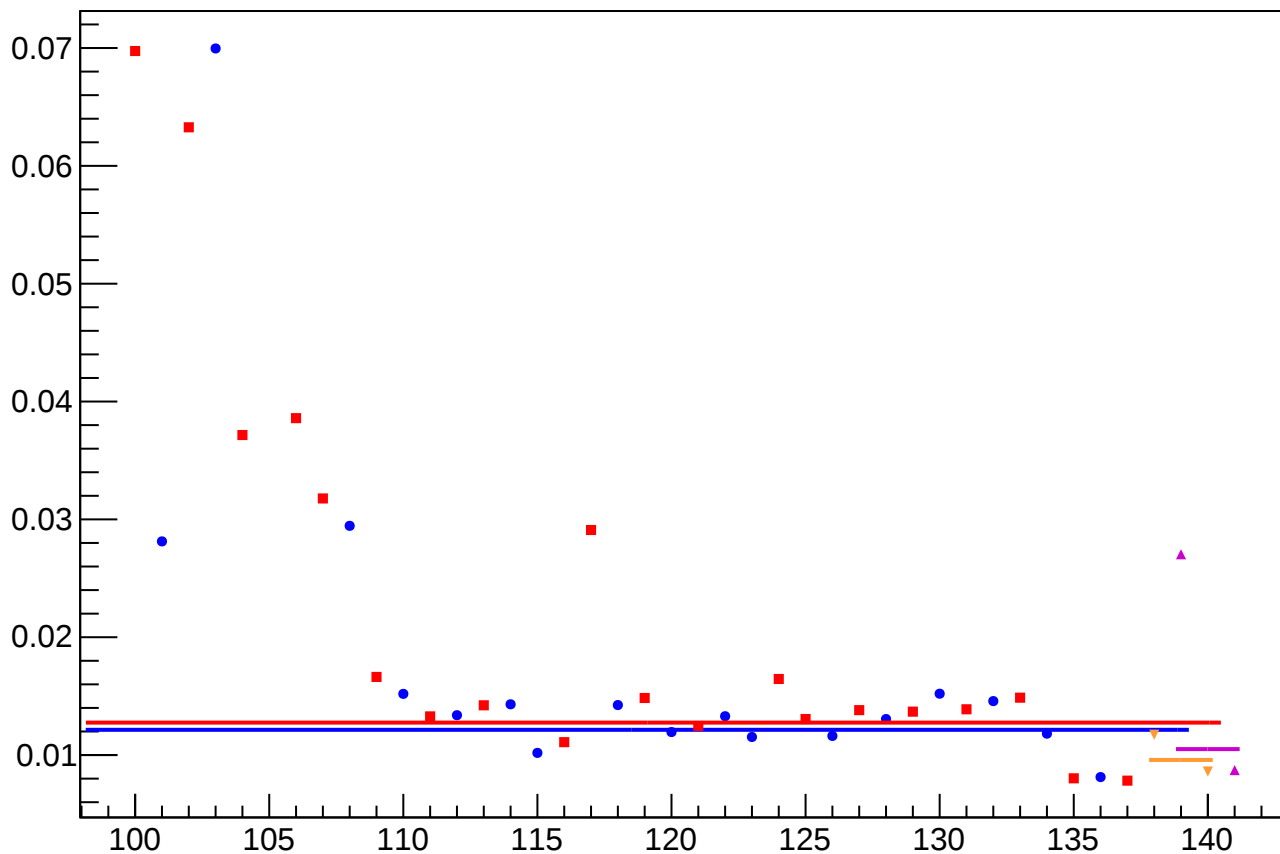
Right Out: -0.263+/-0.000 χ^2/NDF : 1009303829.9/19

Left In: -0.438+/-0.000 χ^2/NDF :22315831.8/1

-0.325+/-0.000 χ^2/NDF : 1233484765.3/18

-0.304+/-0.000 χ^2/NDF : 1251744736.2/21

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1727494.7/16

Left Out: 0.010+/-0.000 χ^2/NDF : 48600.8/1

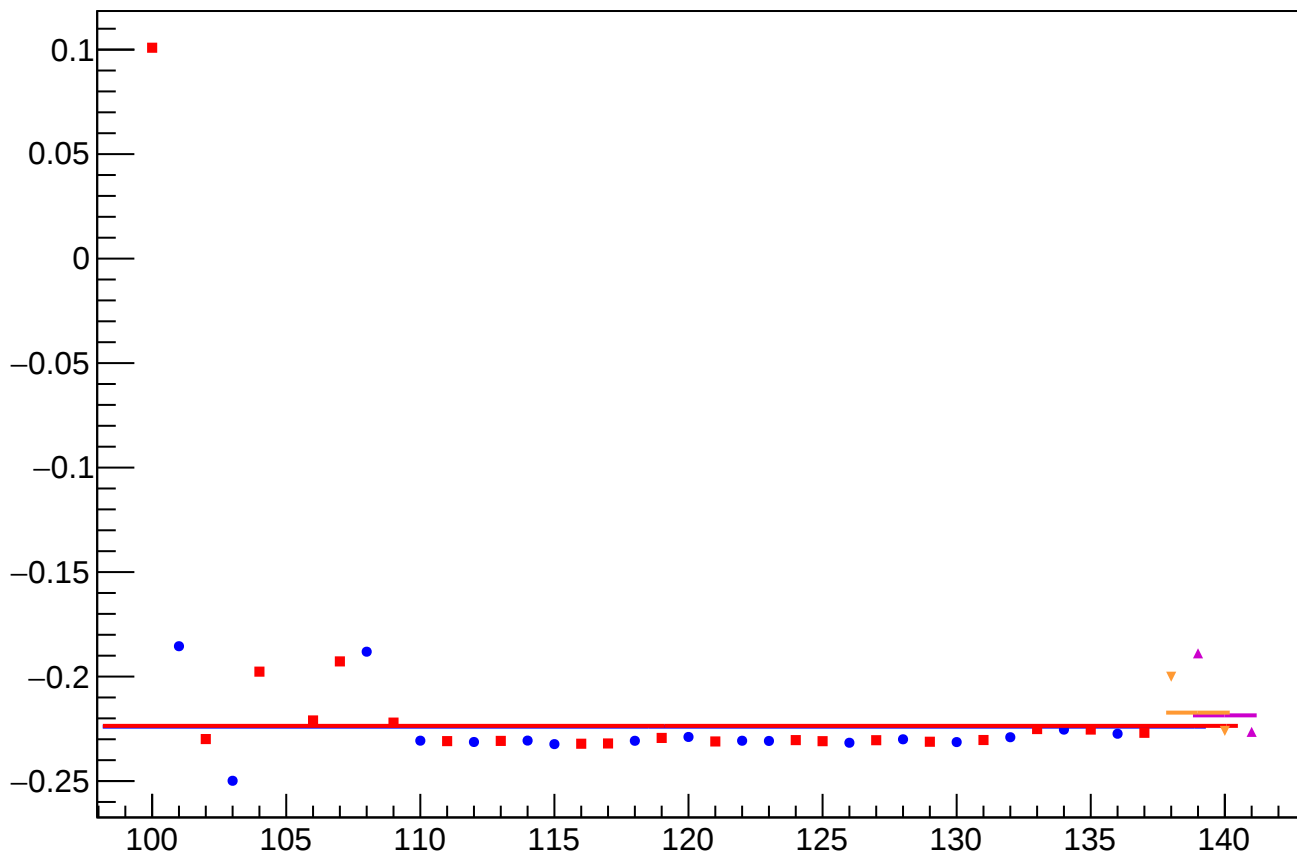
Right Out: 0.013+/-0.000 χ^2/NDF : 1993726.2/19

Left In: 0.011+/-0.000 χ^2/NDF : 550771.7/1

0.011+/-0.000 χ^2/NDF : 1886860.1/18

0.012+/-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: -0.217+/-0.000 χ^2/NDF : 9020801.3/1

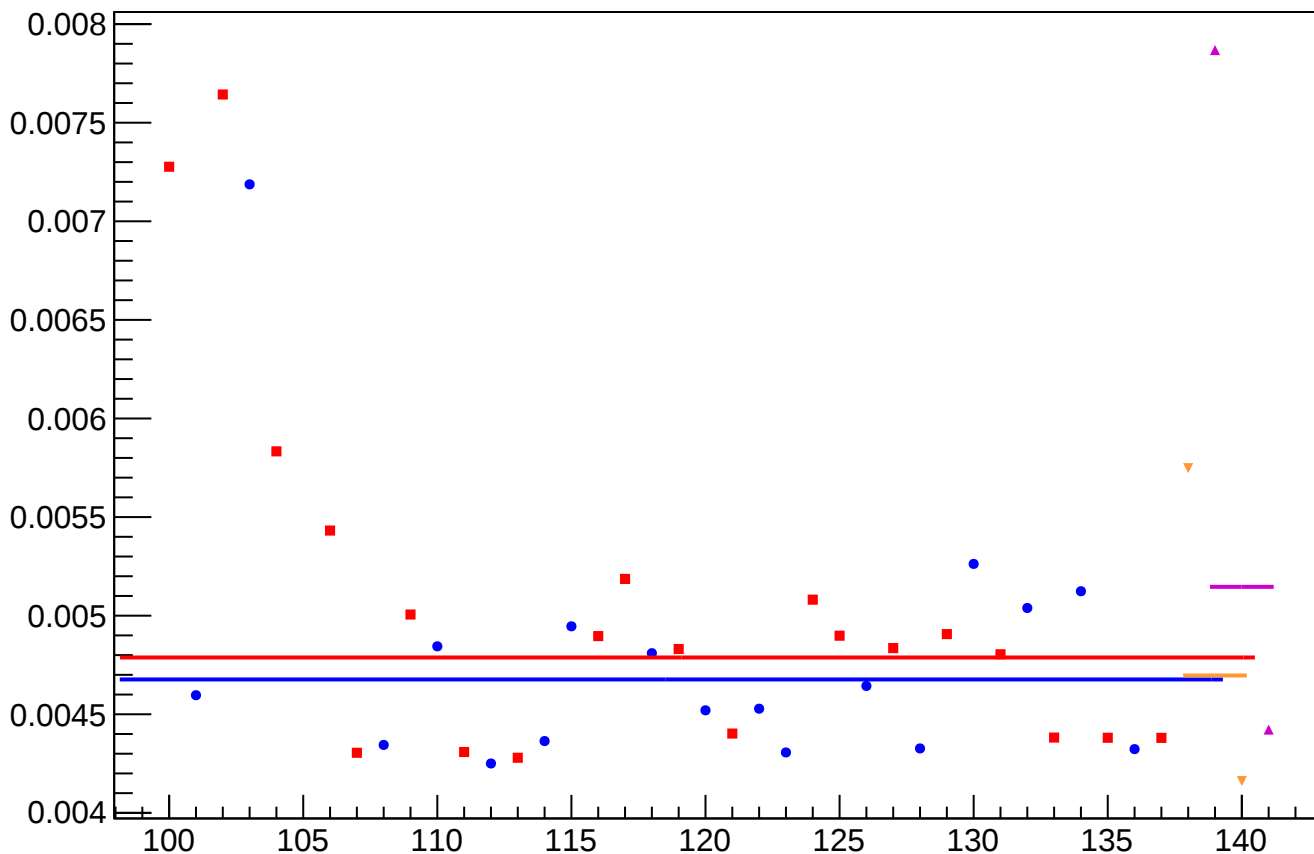
Right Out: -0.224+/-0.000 χ^2/NDF : 168231258.4/19

Left In: -0.219+/-0.000 χ^2/NDF : 11575416.3/1

-0.223+/-0.000 χ^2/NDF : 85935598.2/18

-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 : 67603.8/1

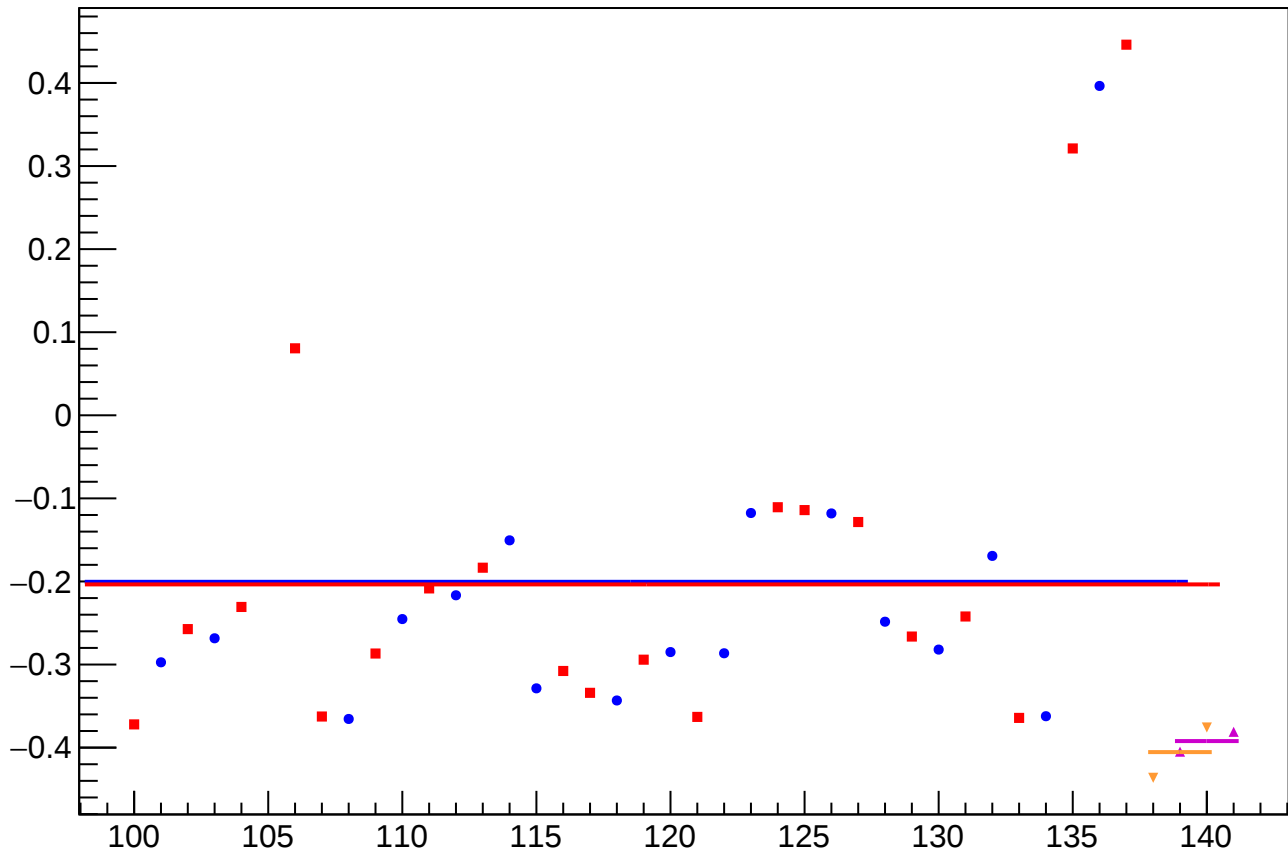
Right Out: 0.005+/-0.000 χ^2/NDF : 248668.3/19

Left In: 0.005+/-0.000 χ^2/NDF : 194668.8/1

0.005+/-0.000 χ^2/NDF : 248978.9/18

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: -0.405+/-0.000 χ^2/NDF : 54394615.5/1

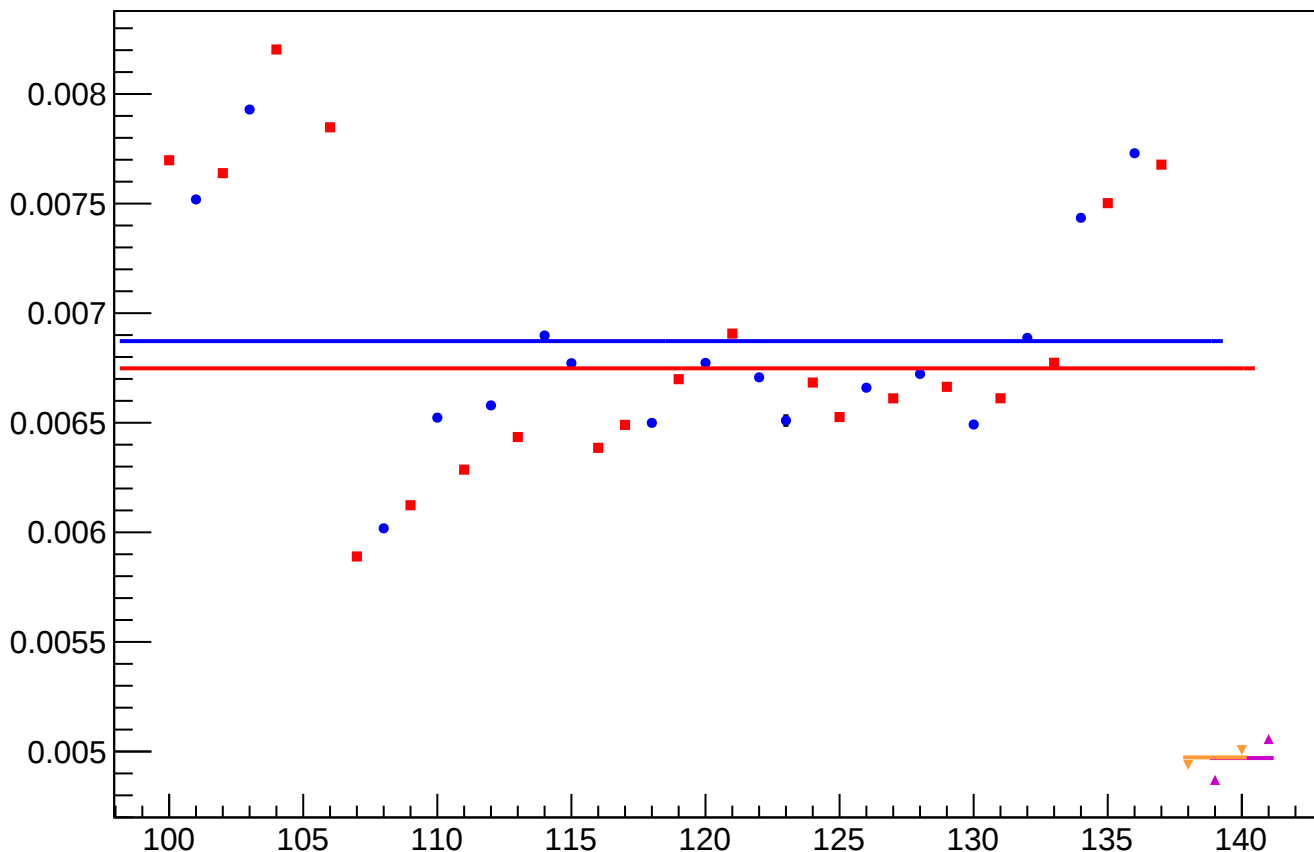
Right Out: -0.204+/-0.000 χ^2/NDF : 5045878528.0/19

Left In: -0.392+/-0.000 χ^2/NDF : 8521460.9/1

-0.262+/-0.000 χ^2/NDF : 7775090158.8/18

-0.257+/-0.000 χ^2/NDF : 6582745044.0/21

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 :136.3/1

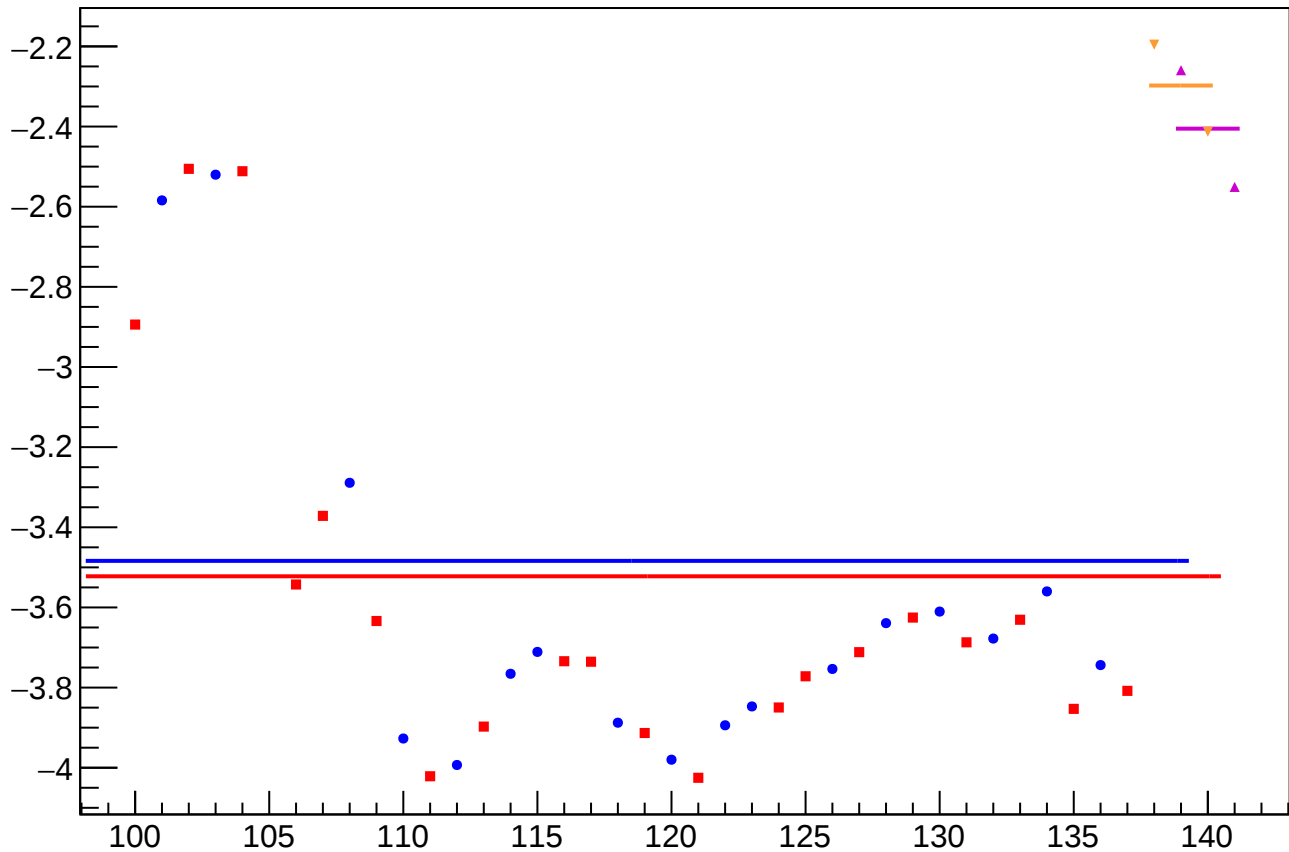
Right Out: 0.007+/-0.000 χ^2/NDF : 105262.1/19

Left In: 0.005+/-0.000 χ^2/NDF :1037.0/1

0.006+/-0.000 χ^2/NDF : 378843.2/18

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: -2.298+/-0.000 χ^2/NDF : 180798178.5/1

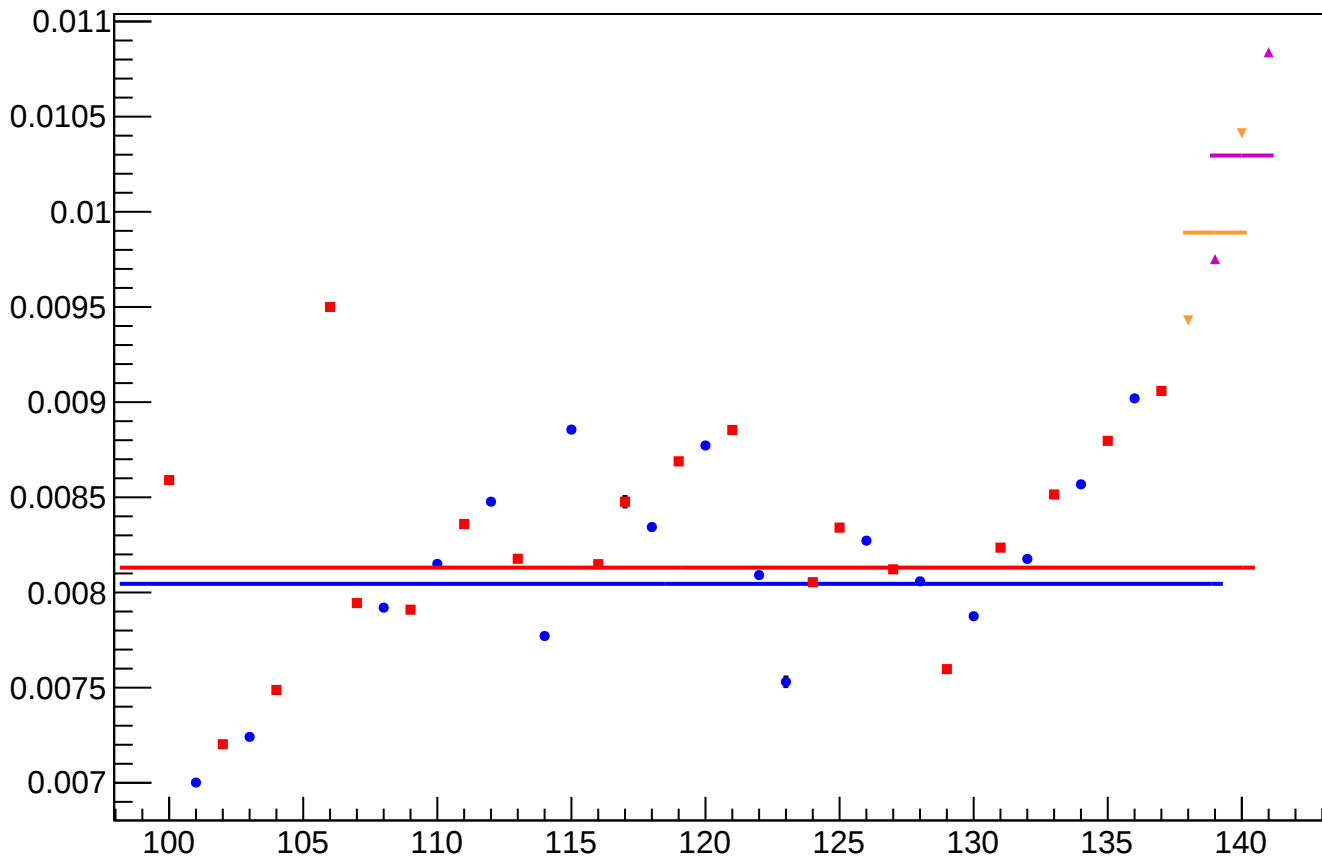
-3.326+/-0.000 χ^2/NDF : 46135855528.0/18

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 : 7408.4/1

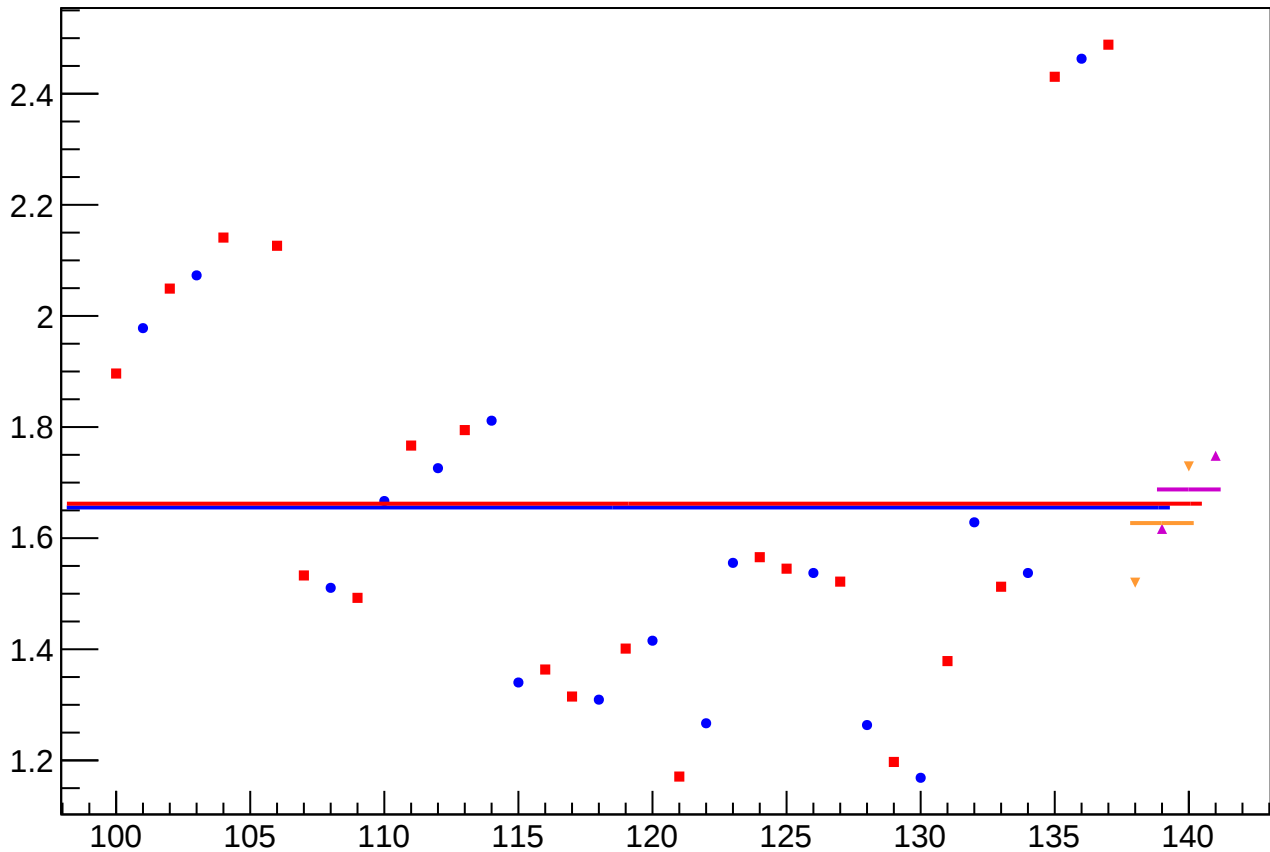
Right Out: 0.008+/-0.000 χ^2/NDF : 57613.2/19

Left In: 0.010+/-0.000 χ^2/NDF : 8380.2/1

0.008+/-0.000 χ^2/NDF : 170315.2/18

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: 1.627+/-0.000 χ^2/NDF :138125878.8/1

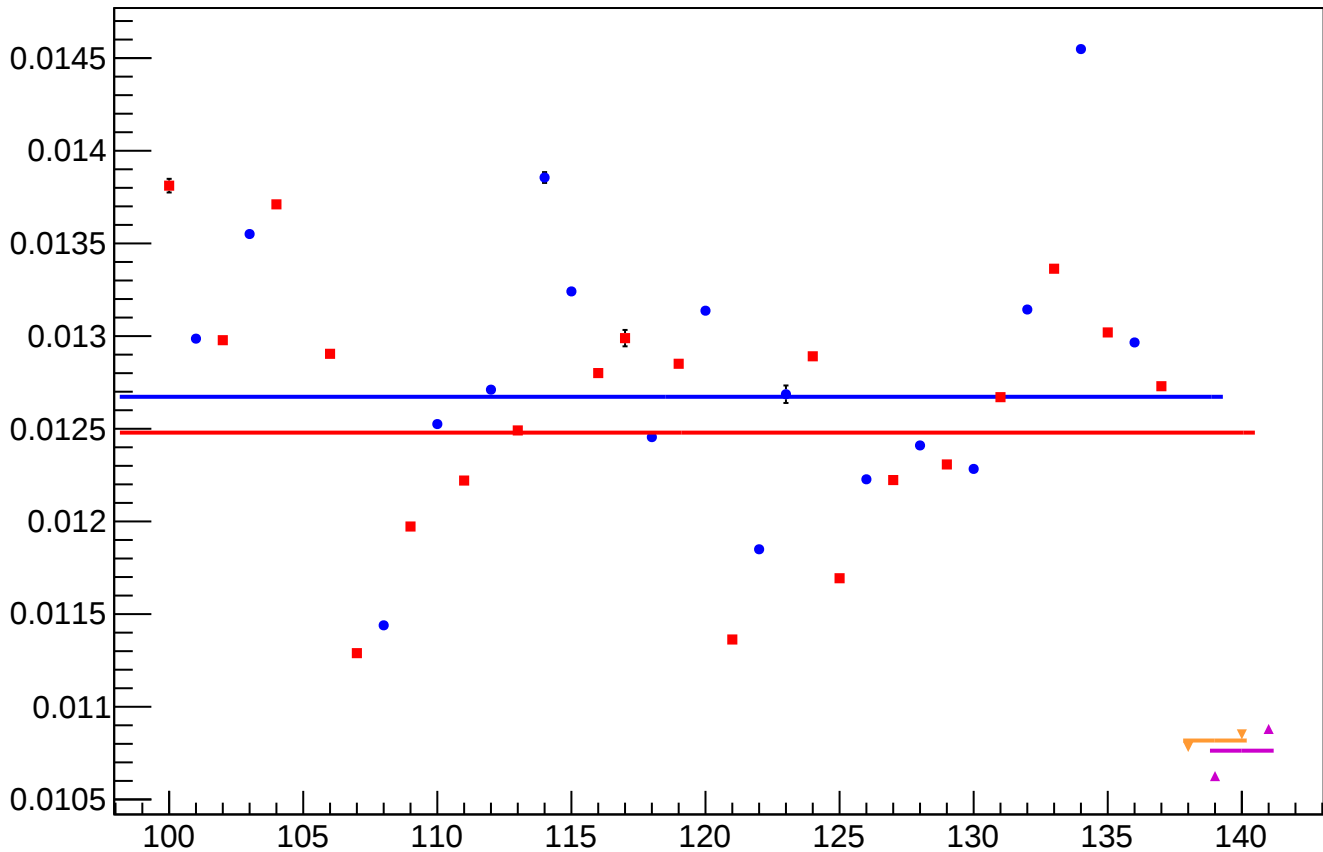
Right Out: 1.662+/-0.000 χ^2/NDF : 5975345573.0/19

Left In: 1.688+/-0.000 χ^2/NDF :55752389.8/1

1.649+/-0.000 χ^2/NDF : 6622208987.2/18

1.668+/-0.000 χ^2/NDF : 6037677588.4/21

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 :29.2/1

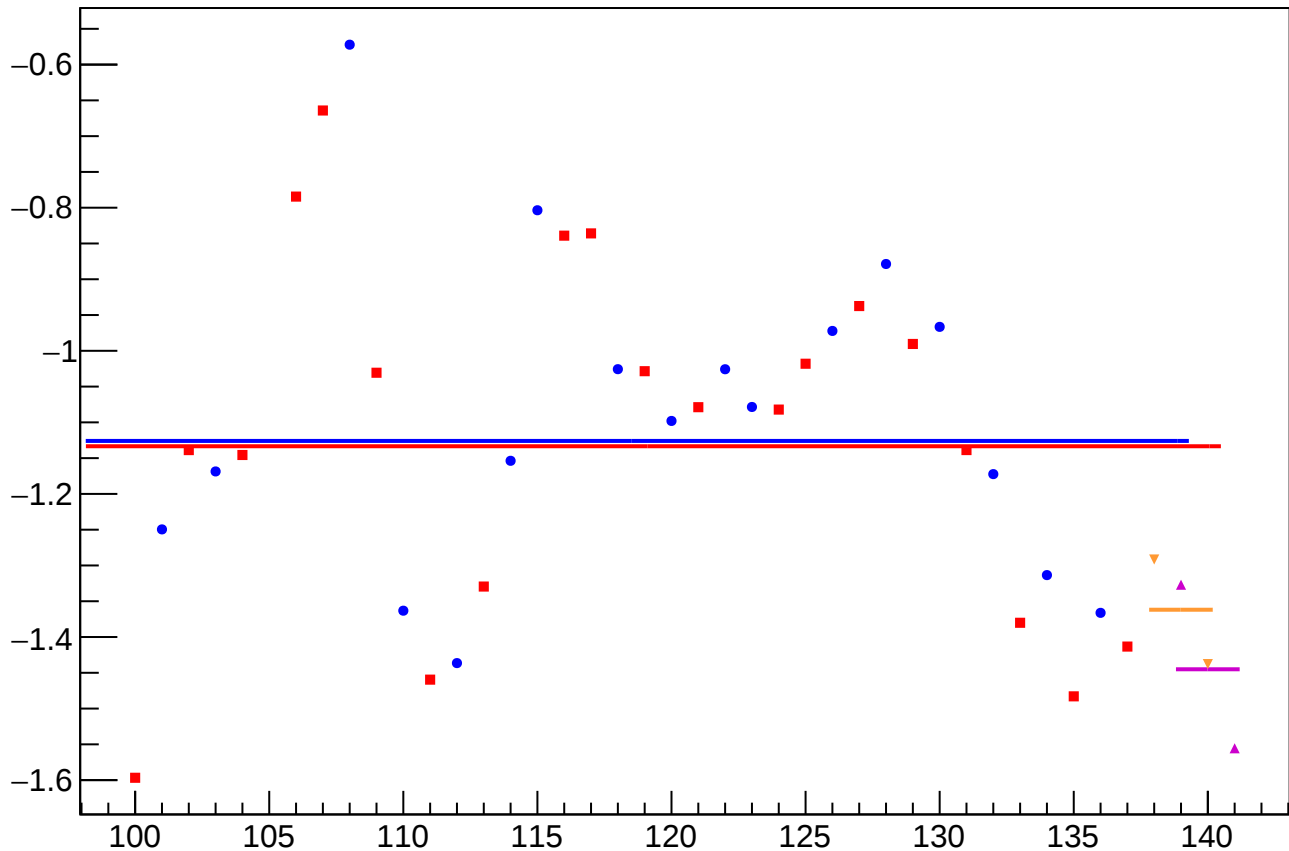
Right Out: 0.012+/-0.000 χ^2/NDF : 39268.9/19

Left In: 0.011+/-0.000 χ^2/NDF :416.4/1

0.012+/-0.000 χ^2/NDF : 98173.2/18

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: -1.362+/-0.000 χ^2/NDF :124504069.2/1

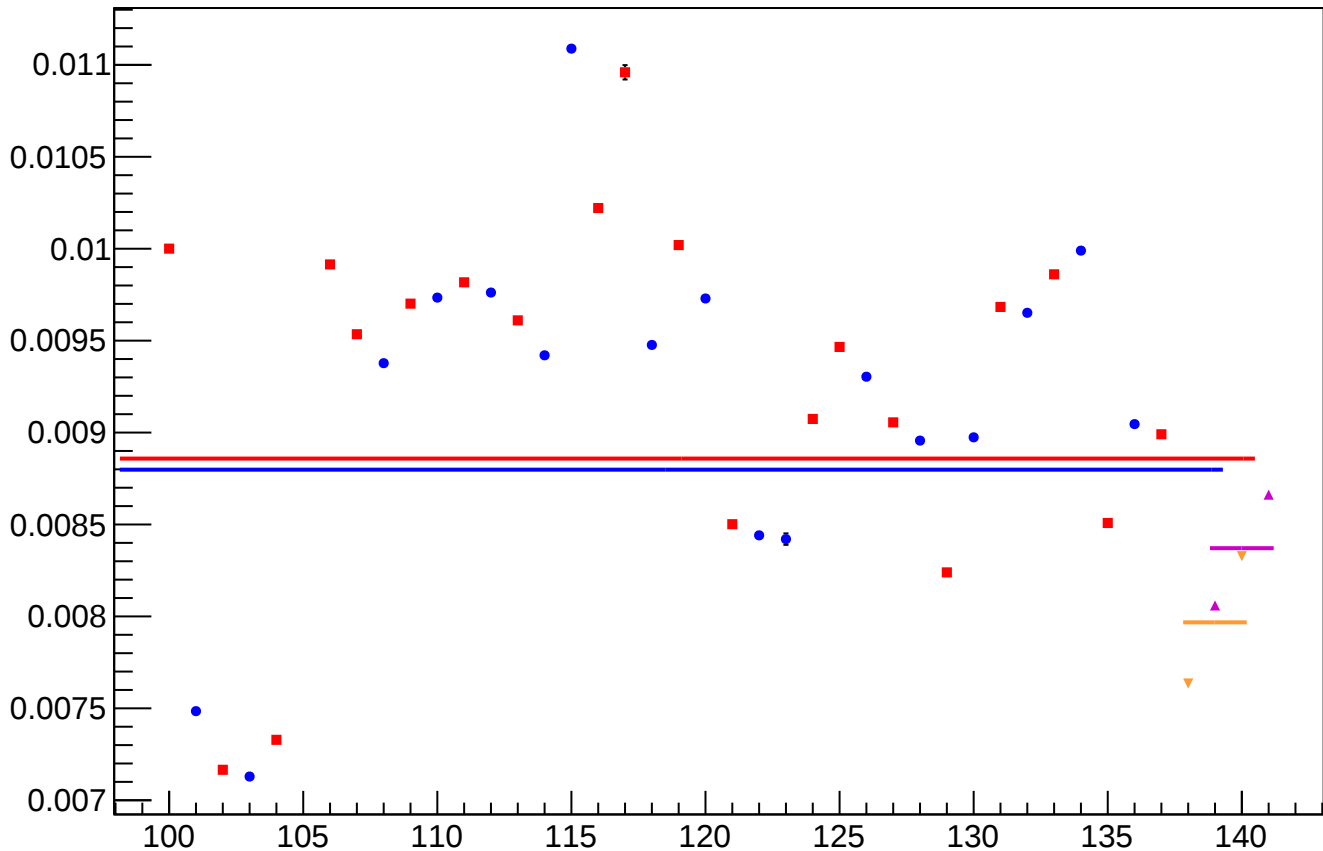
Right Out: -1.133+/-0.000 χ^2/NDF : 3706528266.7/19

Left In: -1.445+/-0.000 χ^2/NDF :277257212.9/1

-1.178+/-0.000 χ^2/NDF : 4711687723.0/18

-1.196+/-0.000 χ^2/NDF : 5634685989.2/21

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 : 5591.7/1

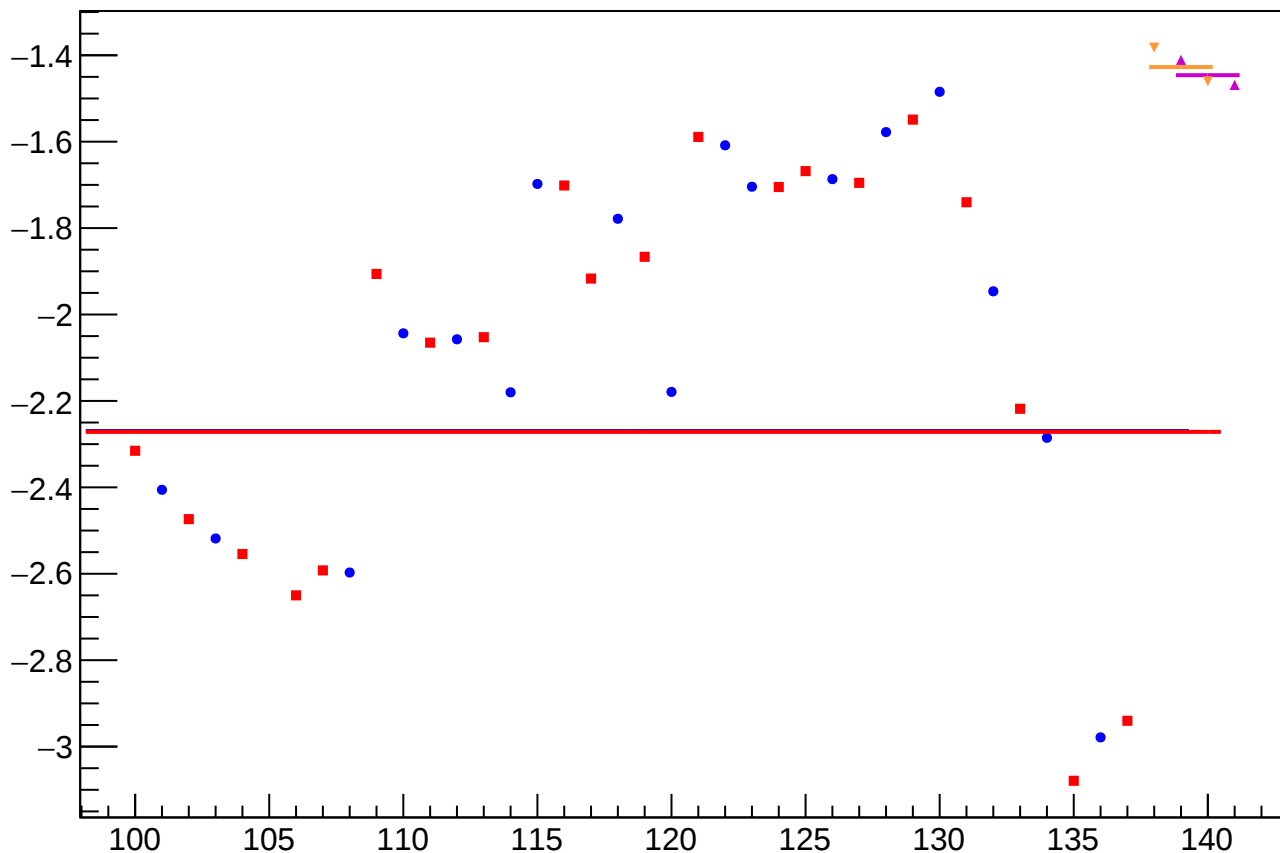
Right Out: 0.009+/-0.000 χ^2/NDF : 176858.0/19

Left In: 0.008+/-0.000 χ^2/NDF : 3856.0/1

0.009+/-0.000 χ^2/NDF : 182269.7/18

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: -1.427+/-0.000 χ^2/NDF : 32313585.3/1

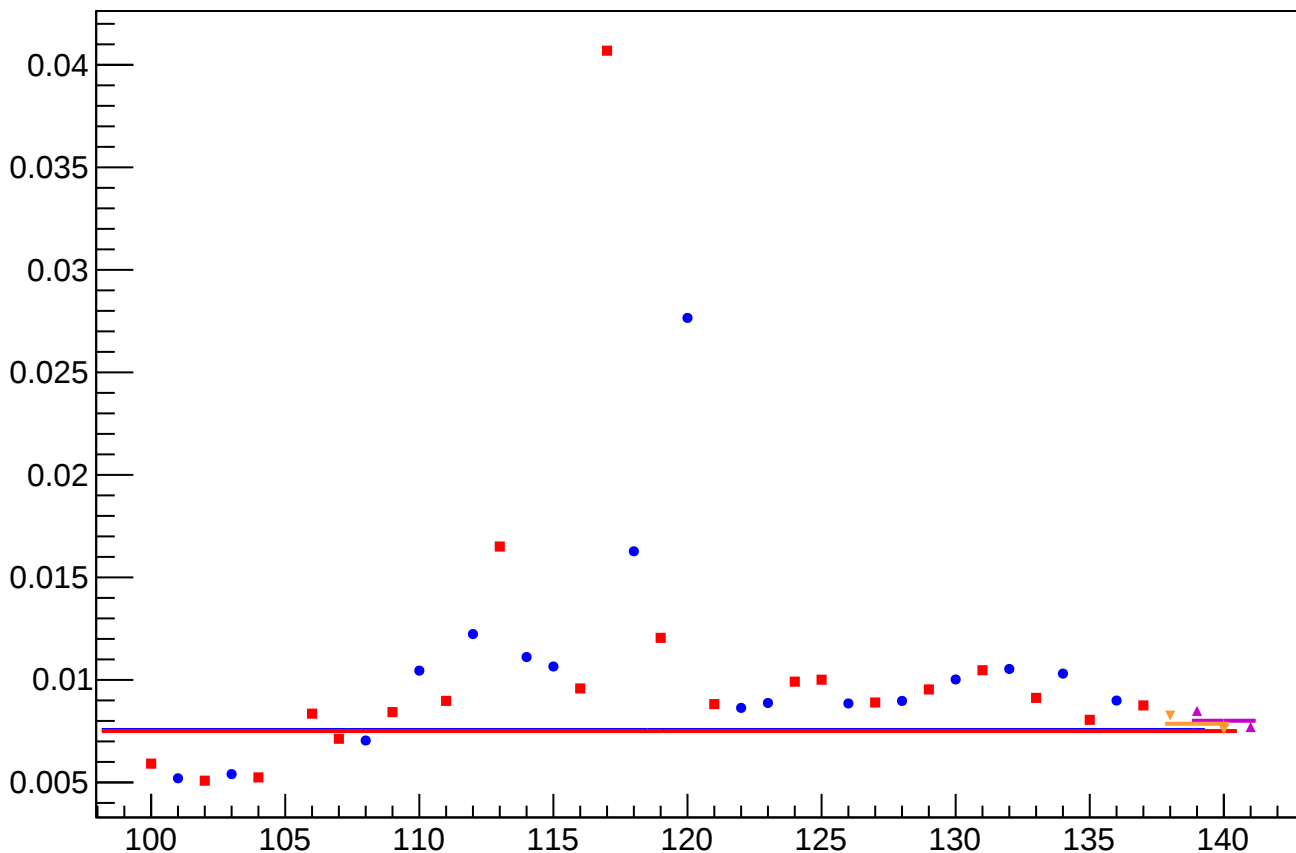
Right Out: -2.272+/-0.000 χ^2/NDF : 19012236430.2/19

Left In: -1.446+/-0.000 χ^2/NDF : 18044989.0/1

-2.102+/-0.000 χ^2/NDF : 29891033466.8/18

-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 :5013.0/1

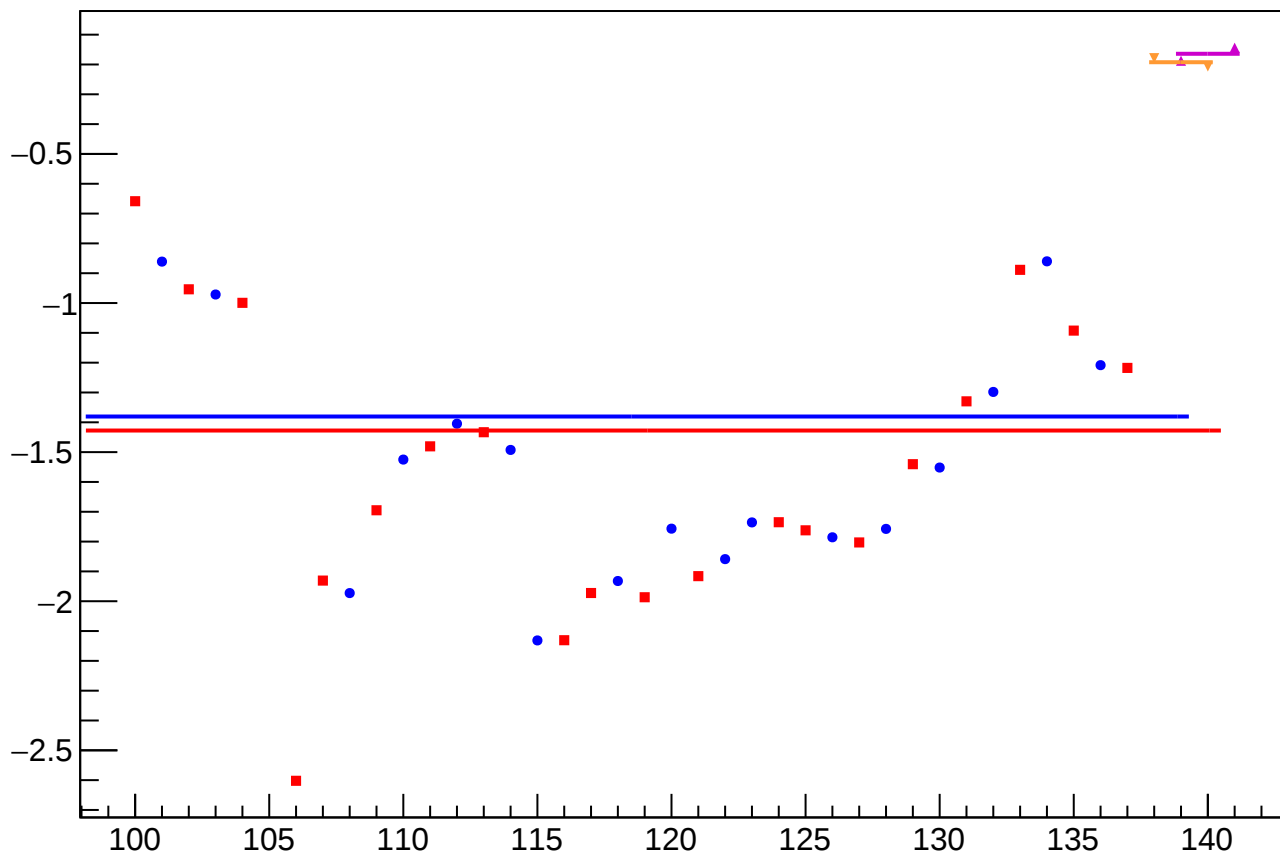
Right Out: 0.008+/-0.000 χ^2/NDF : 984811.6/19

Left In: 0.008+/-0.000 χ^2/NDF :6641.1/1

0.008+/-0.000 χ^2/NDF : 1229273.9/18

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: -0.192+/-0.000 χ^2/NDF : 15937848.7/1

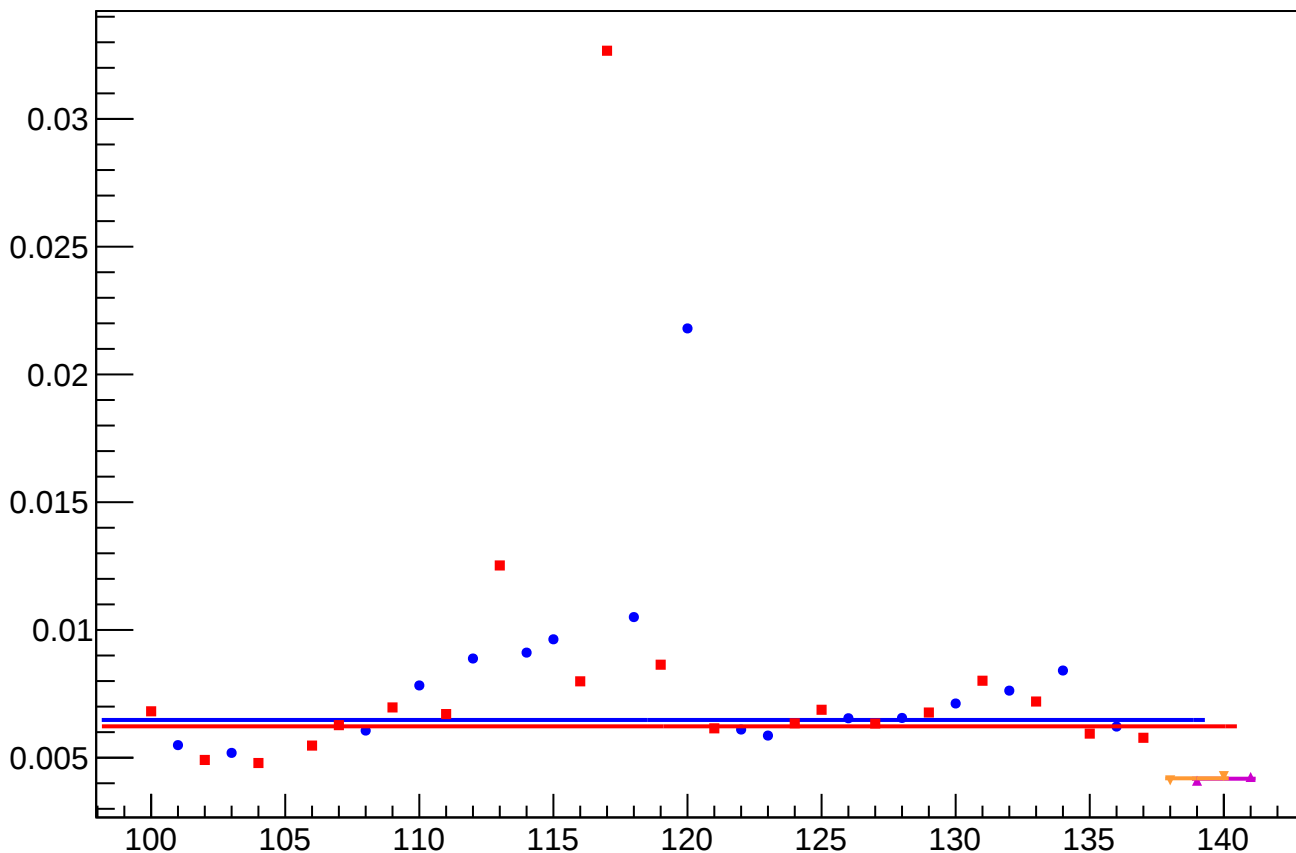
Right Out: -1.428+/-0.000 χ^2/NDF : 29626603581.6/19

Left In: -0.164+/-0.000 χ^2/NDF : 39444737.9/1

-0.923+/-0.000 χ^2/NDF : 90668643542.3/18

-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 :1124.8/1

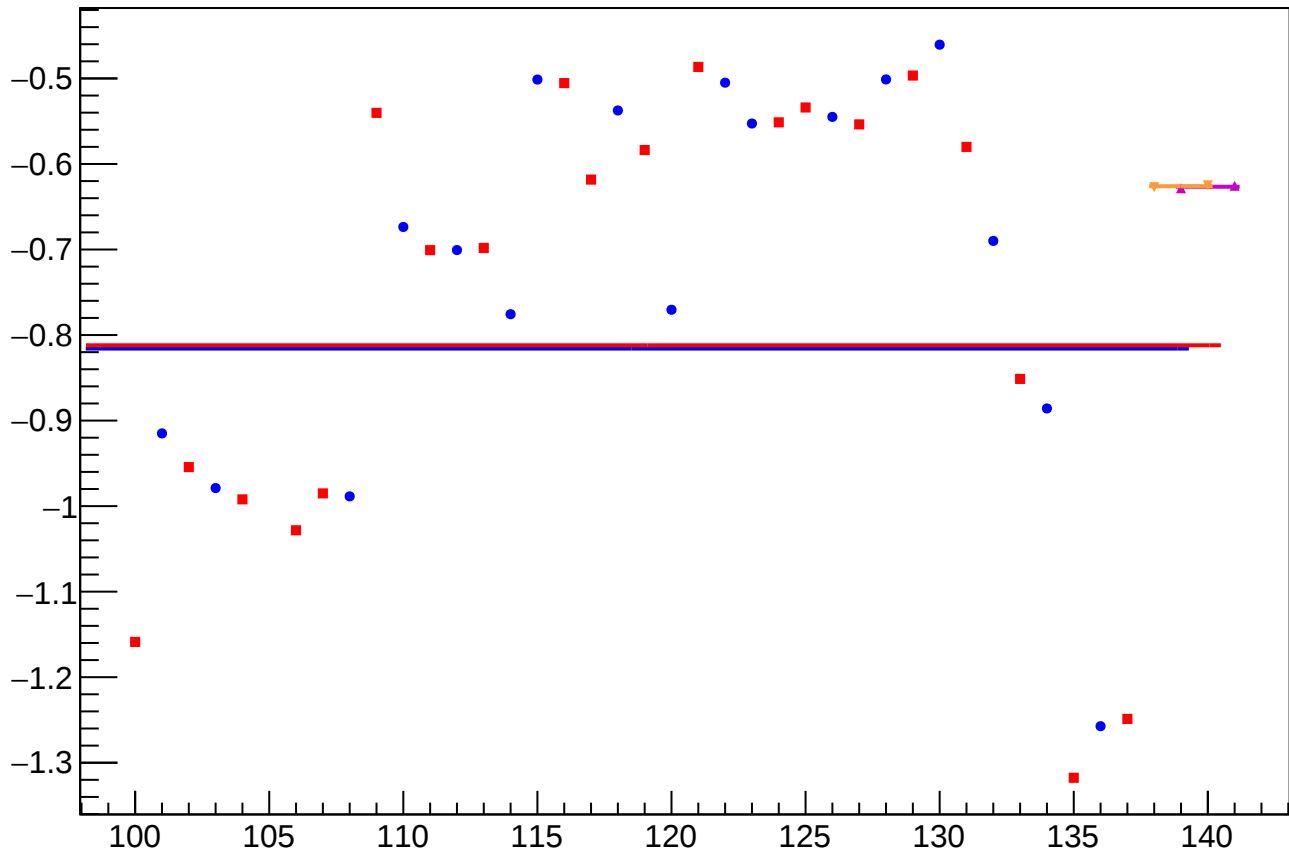
Right Out: 0.006+/-0.000 χ^2/NDF : 472534.6/19

Left In: 0.004+/-0.000 χ^2/NDF :883.7/1

0.006+/-0.000 χ^2/NDF : 1095892.1/18

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 : 54046.2/1

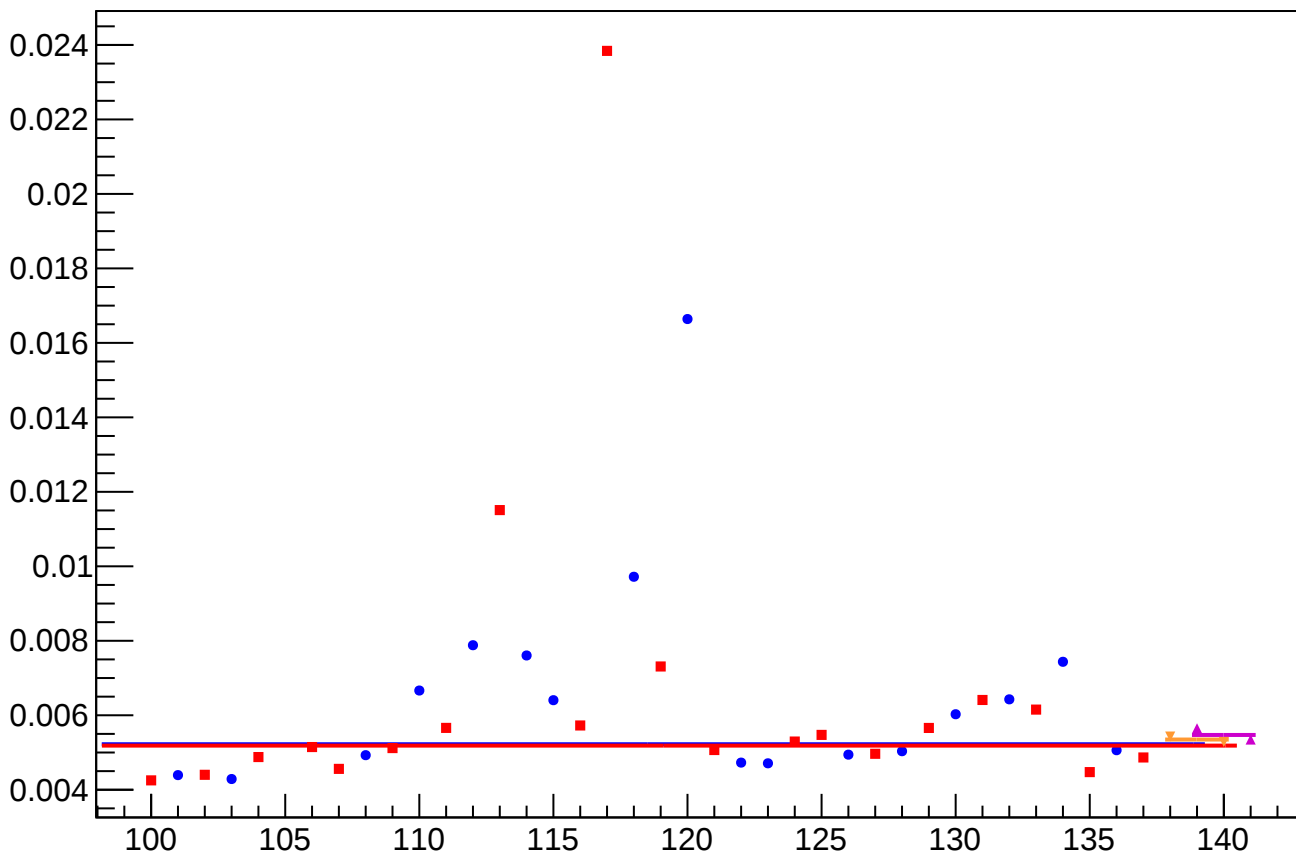
Right Out: -0.812+/-0.000 χ^2/NDF : 16818378599.3/19

Left In: -0.627+/-0.000 χ^2/NDF : 100265.3/1

-0.779+/-0.000 χ^2/NDF : 15543155041.1/18

-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 :493.0/1

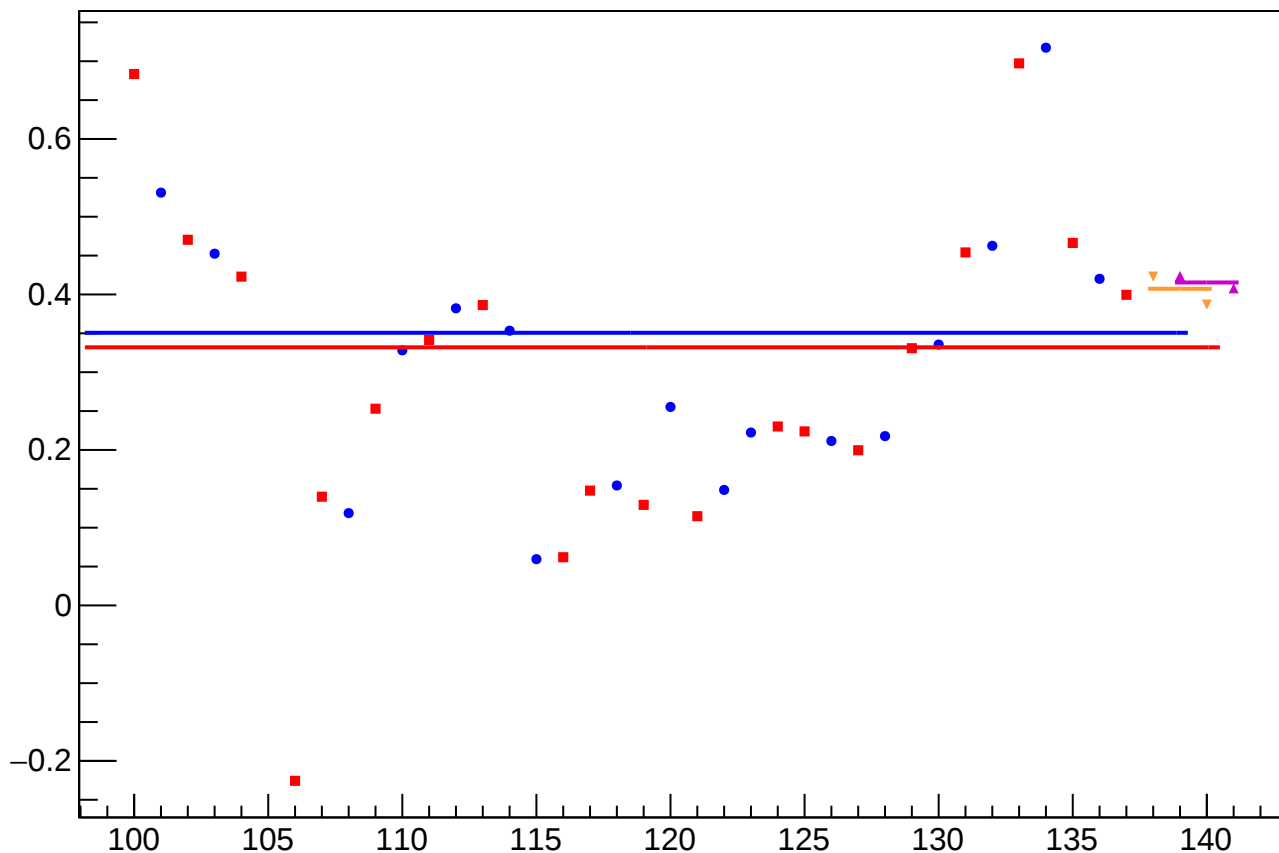
Right Out: 0.005+/-0.000 χ^2/NDF : 410640.5/19

Left In: 0.005+/-0.000 χ^2/NDF :2120.9/1

0.005+/-0.000 χ^2/NDF : 666104.4/18

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: 0.407+/-0.000 χ^2/NDF : 28219267.0/1

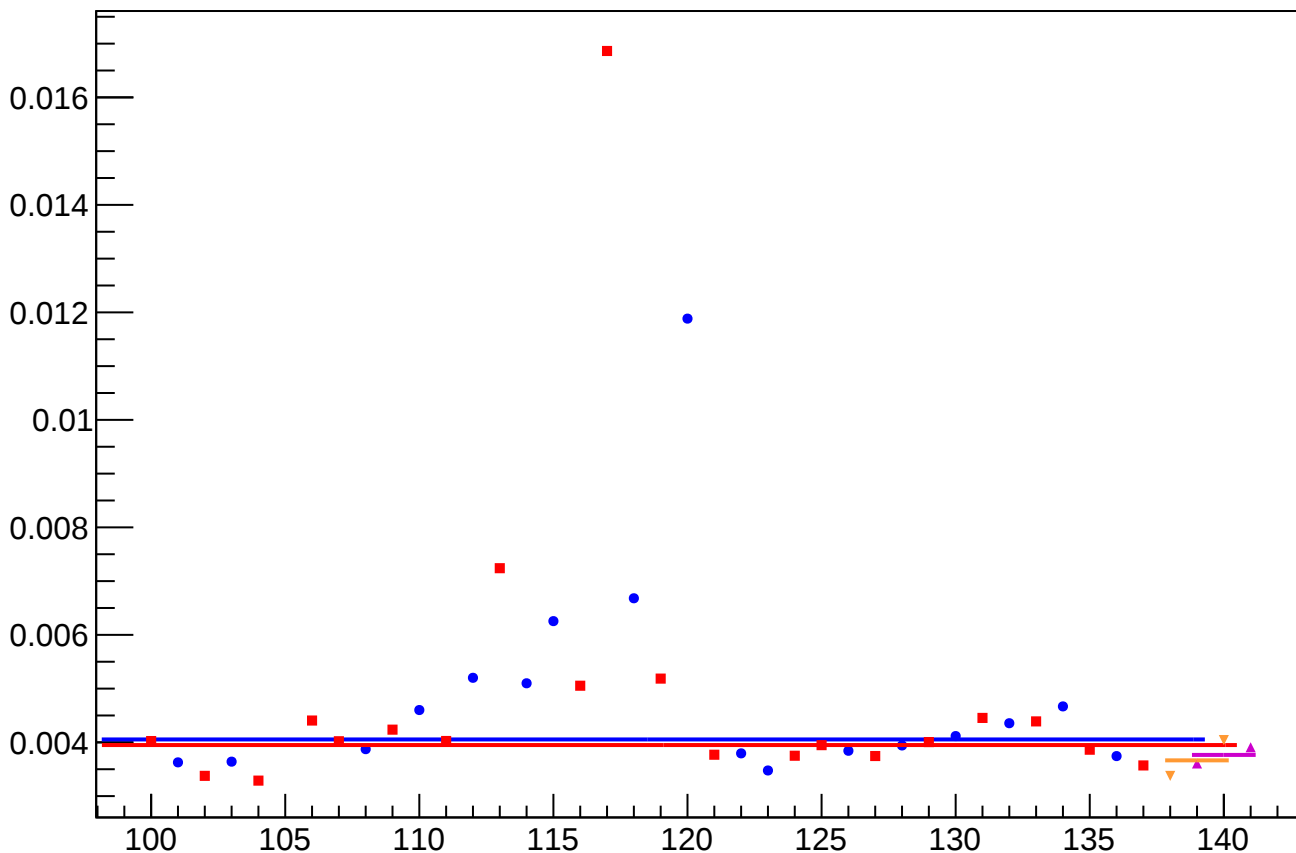
Right Out: 0.332+/-0.000 χ^2/NDF : 11800695210.2/19

Left In: 0.415+/-0.000 χ^2/NDF : 5519284.6/1

0.362+/-0.000 χ^2/NDF : 7665206496.3/18

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 :19319.3/1

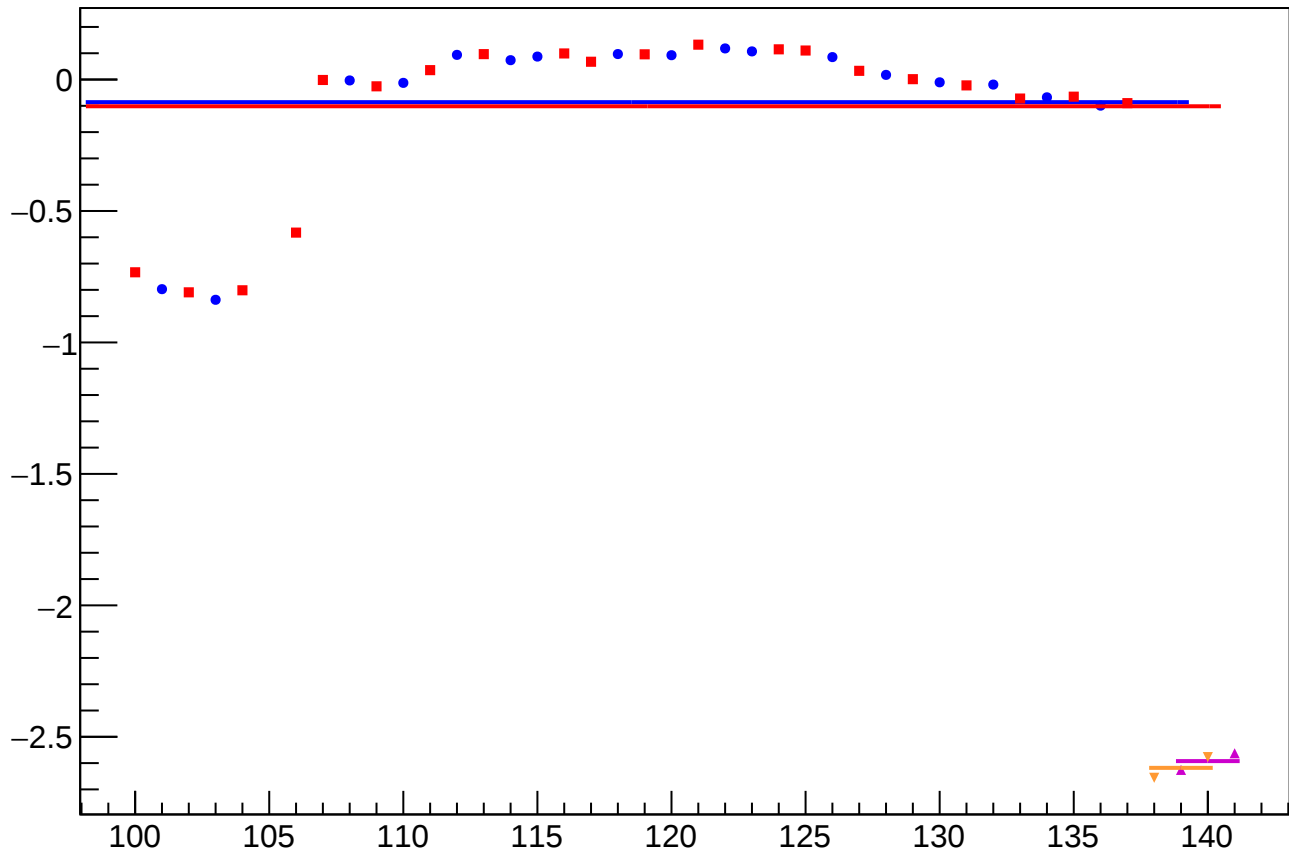
Right Out: 0.004+/-0.000 χ^2/NDF : 304954.7/19

Left In: 0.004+/-0.000 χ^2/NDF :3936.4/1

0.004+/-0.000 χ^2/NDF : 495990.7/18

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: -2.618+/-0.000 χ^2/NDF : 12840427.1/1

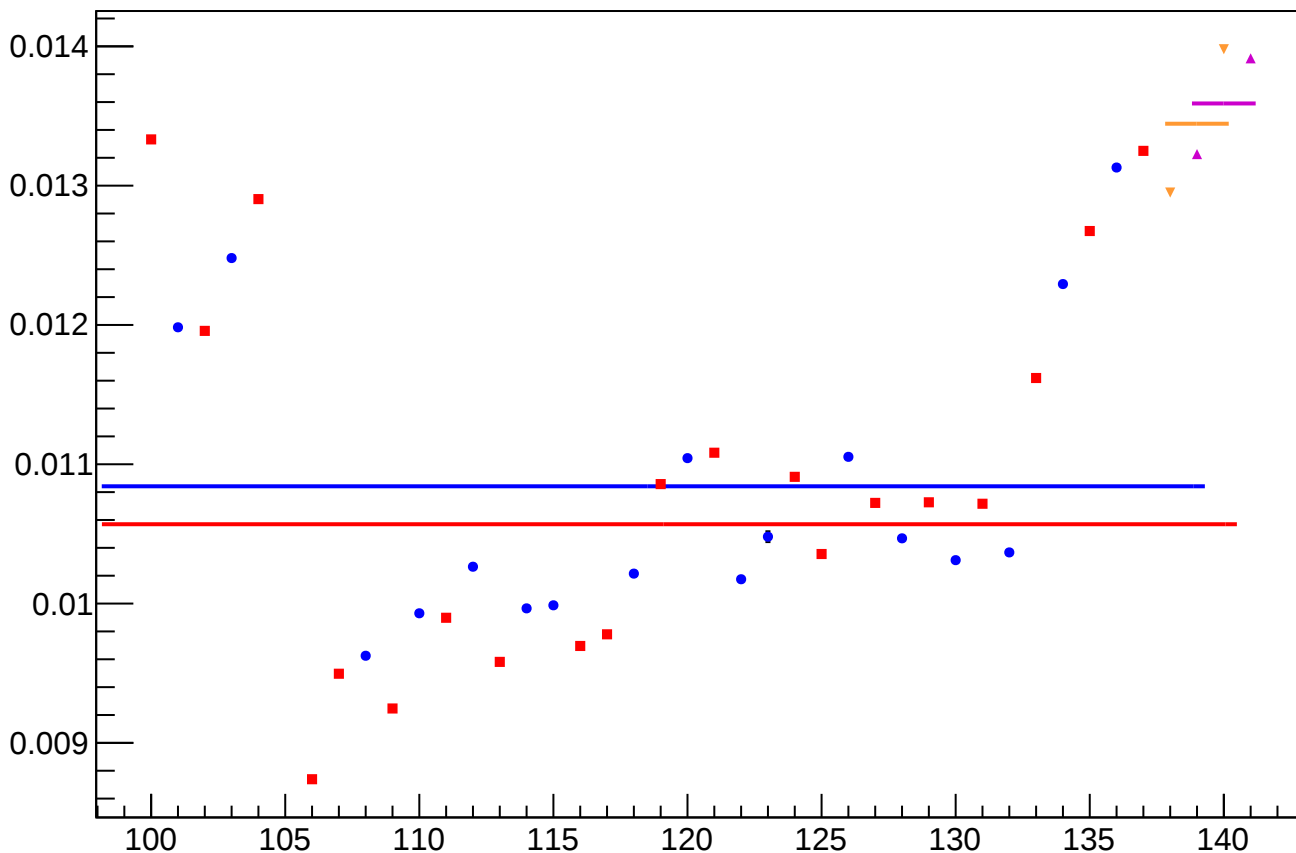
Right Out: -0.102+/-0.000 χ^2/NDF : 5566142794.2/19

Left In: -2.592+/-0.000 χ^2/NDF : 8195940.6/1

-0.411+/-0.000 χ^2/NDF : 51432544719.1/18

-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: 0.013 ± 0.000 χ^2/NDF : 4389.5/1

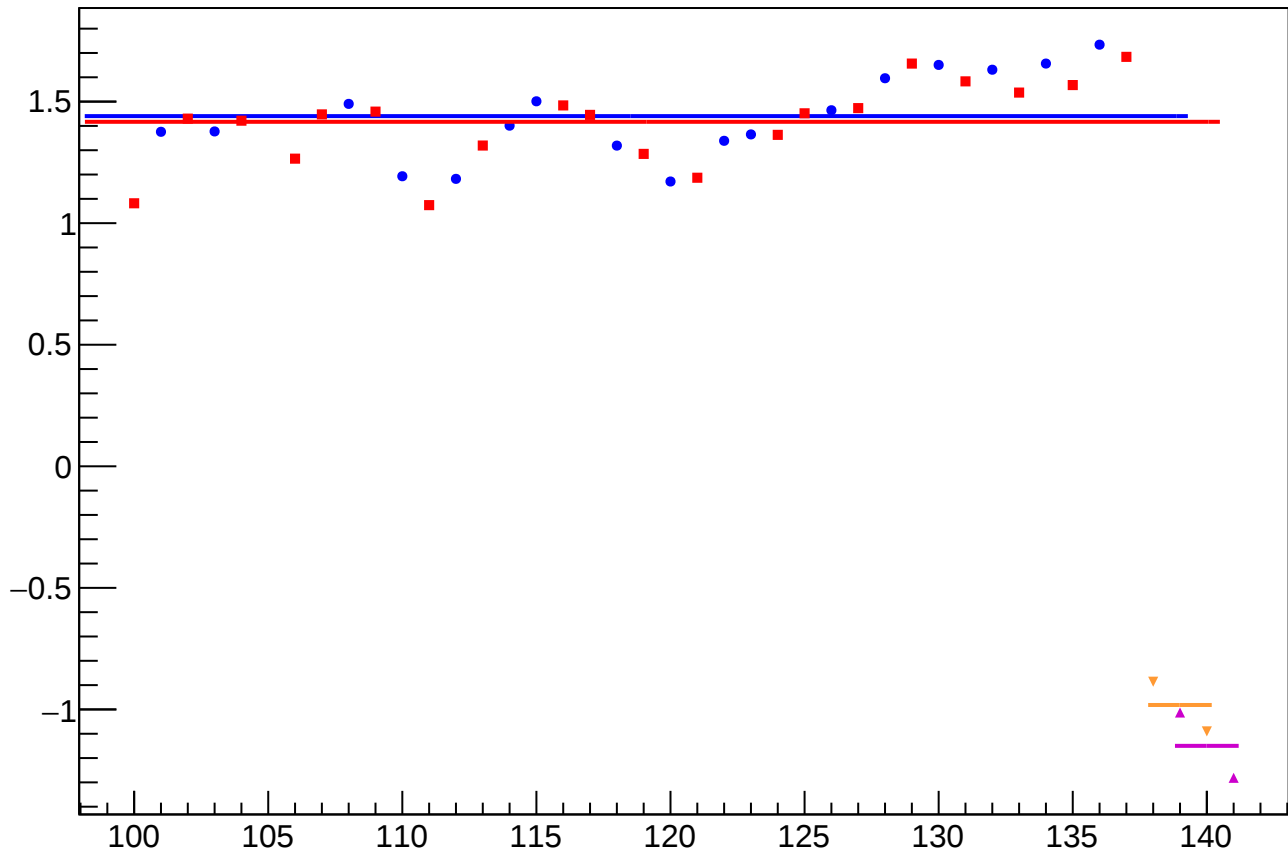
Right Out: 0.011 ± 0.000 χ^2/NDF : 179537.7/19

Left In: 0.014 ± 0.000 χ^2/NDF : 1936.6/1

0.011 ± 0.000 χ^2/NDF : 226764.5/18

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: -0.982 $\pm$ 0.000 χ^2 /NDF:150644143.5/1

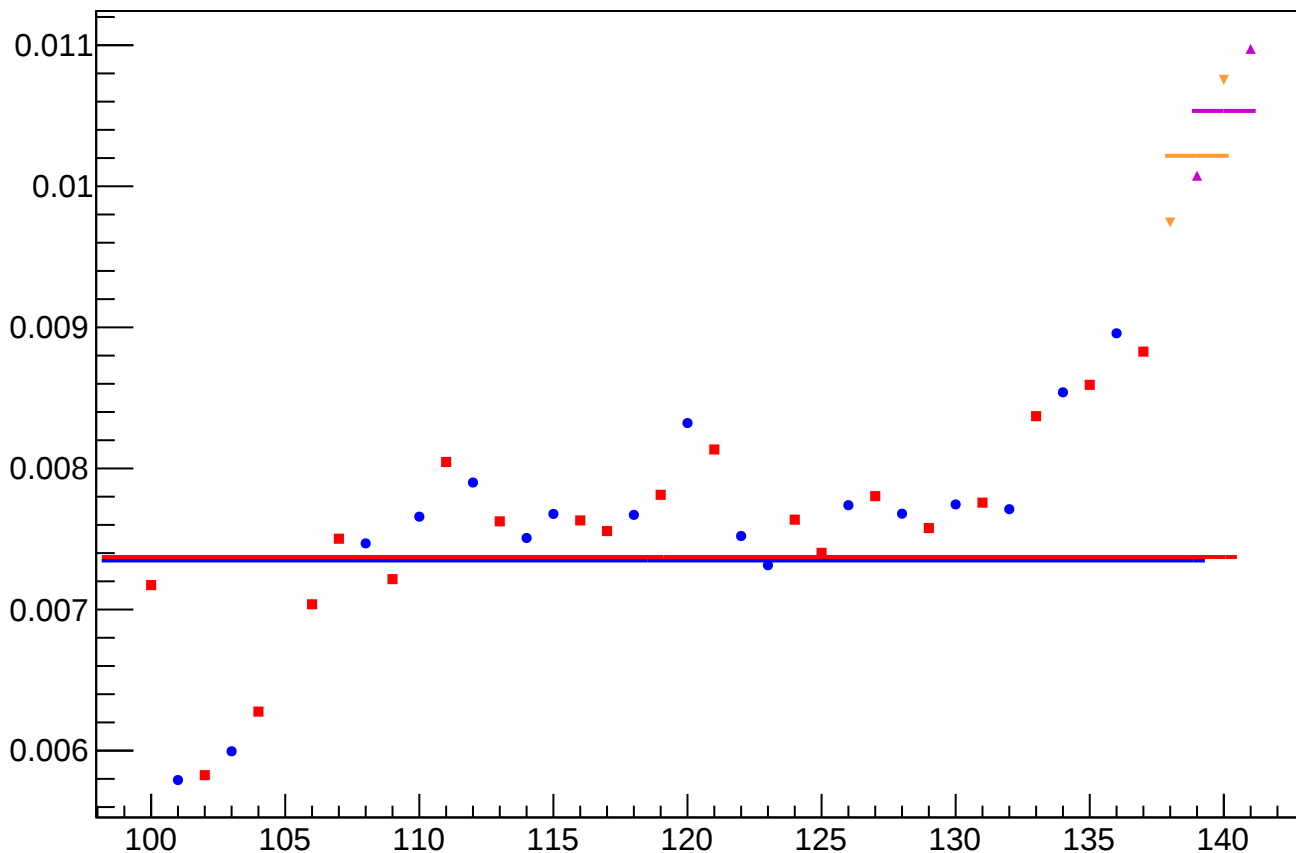
1.183 $\pm$ 0.000 χ^2 /NDF: 79594566717.2/18

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674679406.4/19

1.172 $\pm$ 0.000 χ^2 /NDF: 84434670894.1/21

Left In: -1.150 $\pm$ 0.000 χ^2 /NDF:246465179.6/1

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 : 7377.1/1

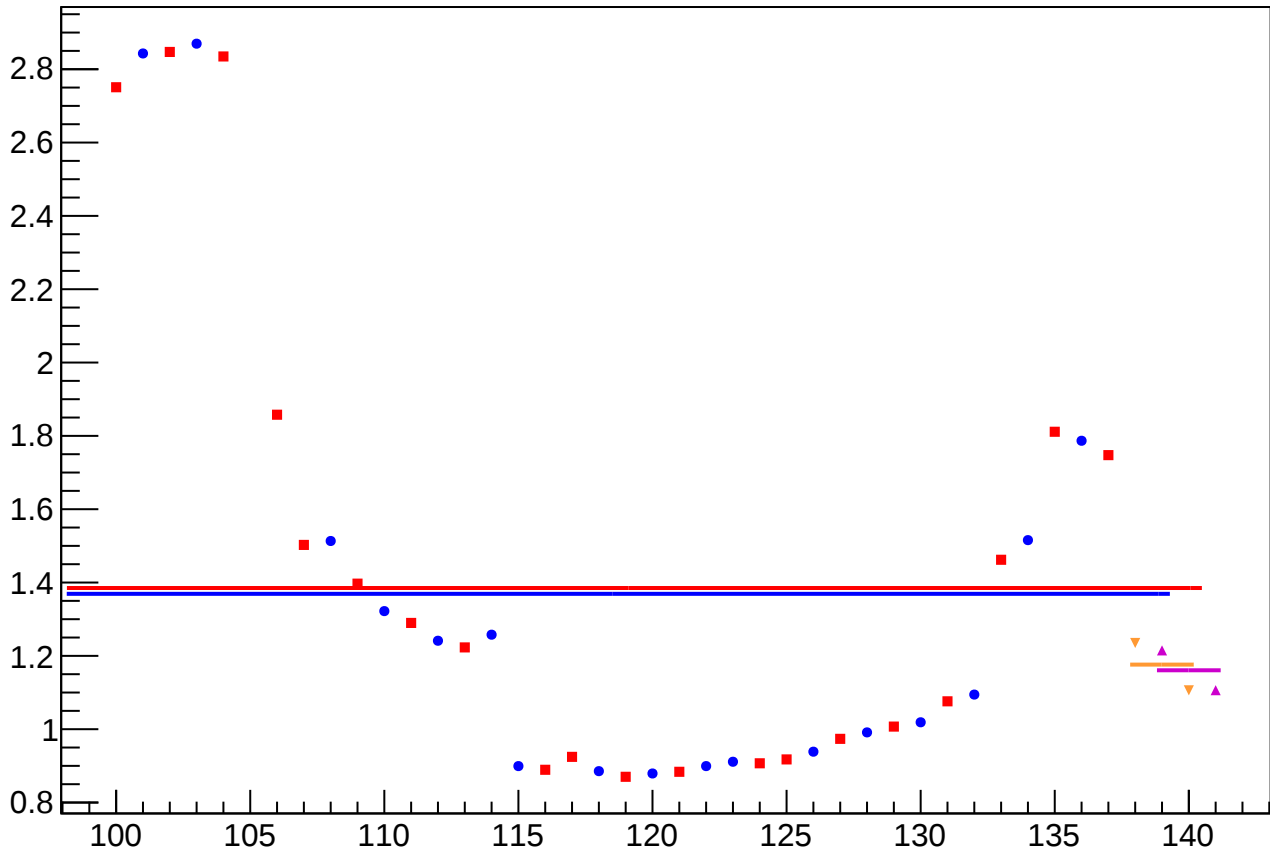
Right Out: 0.007+/-0.000 χ^2/NDF : 172741.0/19

Left In: 0.011+/-0.000 χ^2/NDF : 5522.2/1

0.008+/-0.000 χ^2/NDF : 448741.4/18

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: 1.176+/-0.000 χ^2/NDF : 100589519.8/1

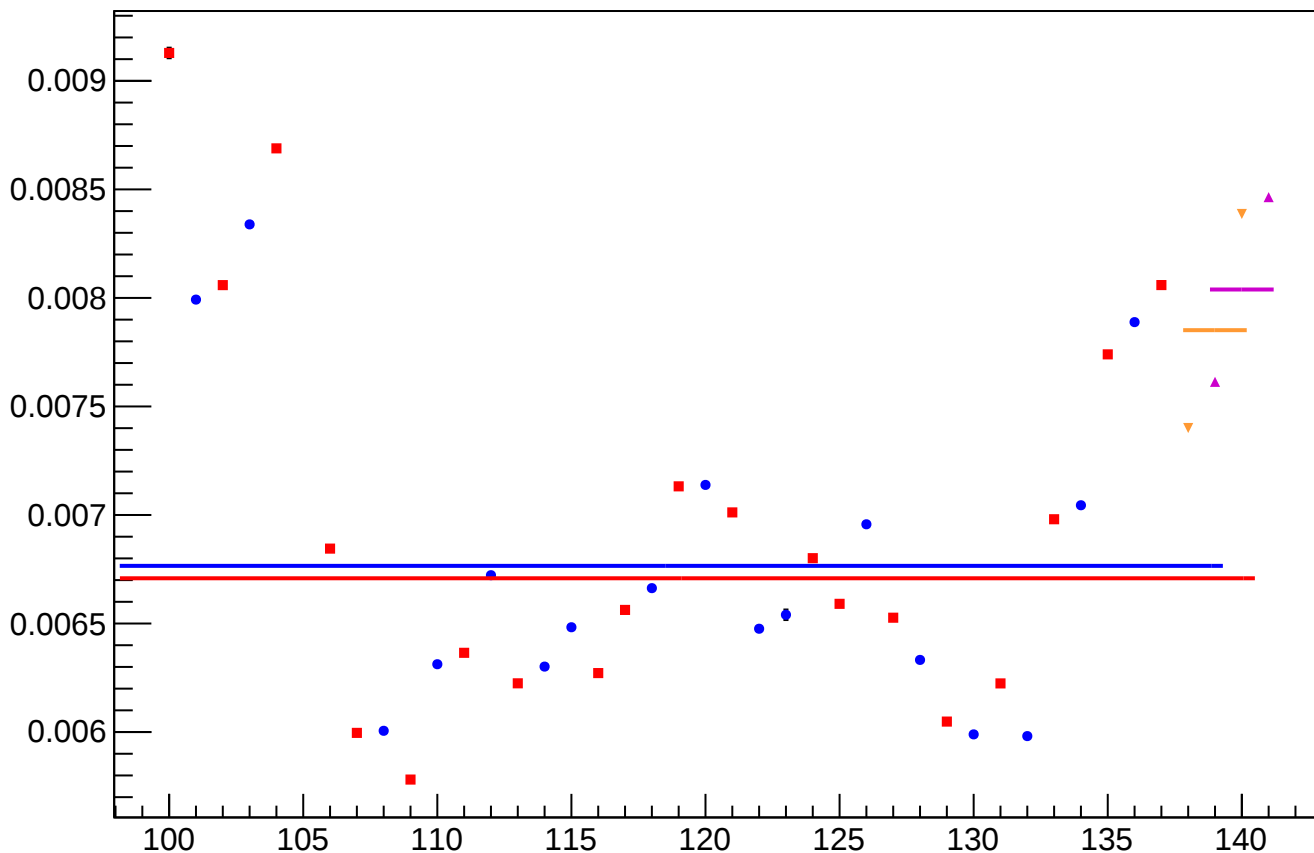
1.341+/-0.000 χ^2/NDF : 55080990036.4/18

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 : 11726.1/1

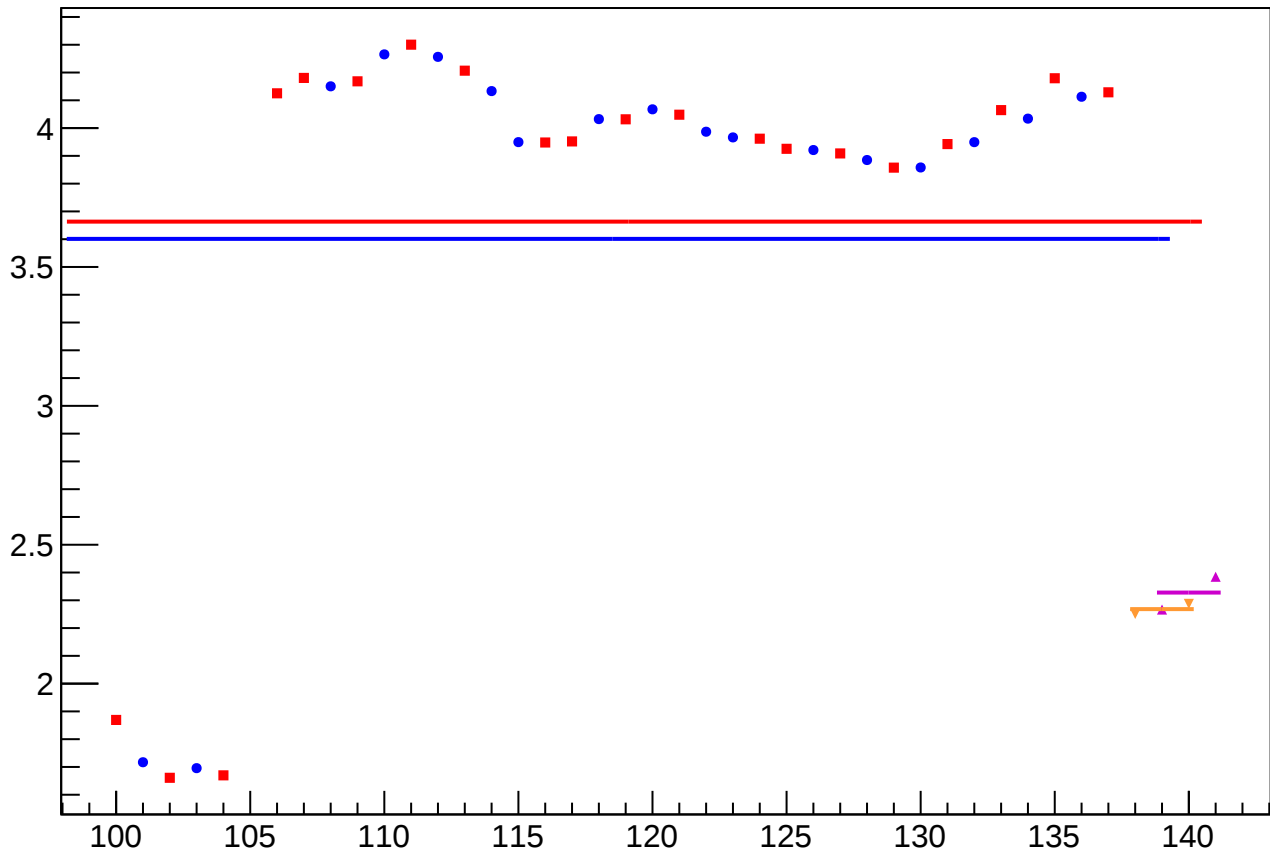
Right Out: 0.007 ± 0.000 χ^2/NDF : 187869.7/19

Left In: 0.008 ± 0.000 χ^2/NDF : 8441.1/1

0.007 ± 0.000 χ^2/NDF : 220328.3/18

0.007 ± 0.000 χ^2/NDF : 268153.5/21

yield_bpm1i04Y_mean vs Slug



Right In: 3.601+/-0.000 χ^2/NDF : 185806937655.3/16

Left Out: 2.268+/-0.000 χ^2/NDF : 9603197.0/1

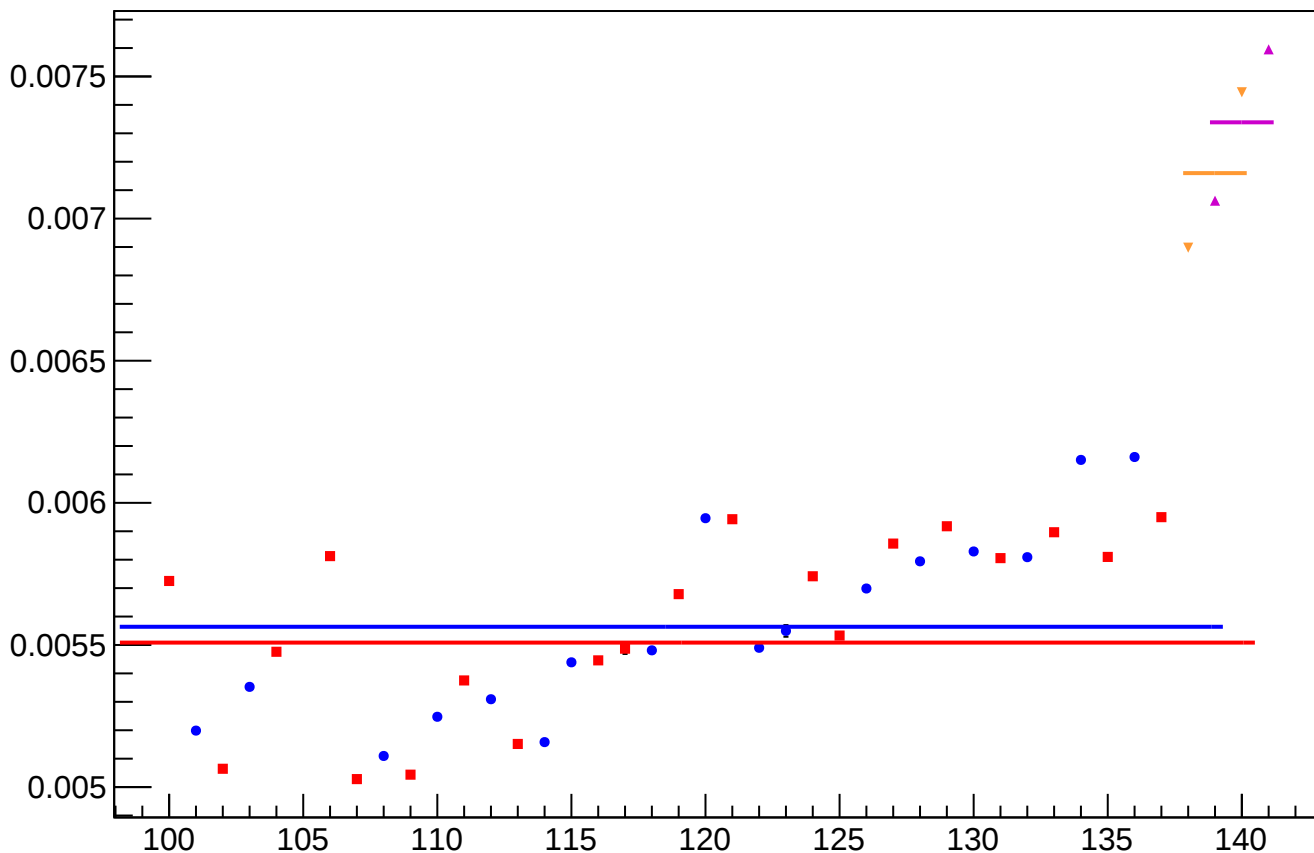
3.442+/-0.000 χ^2/NDF : 231549135192.8/18

Right Out: 3.663+/-0.000 χ^2/NDF : 192640409625.9/19

3.518+/-0.000 χ^2/NDF : 237465783724.2/21

Left In: 2.328+/-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 : 4360.5/1

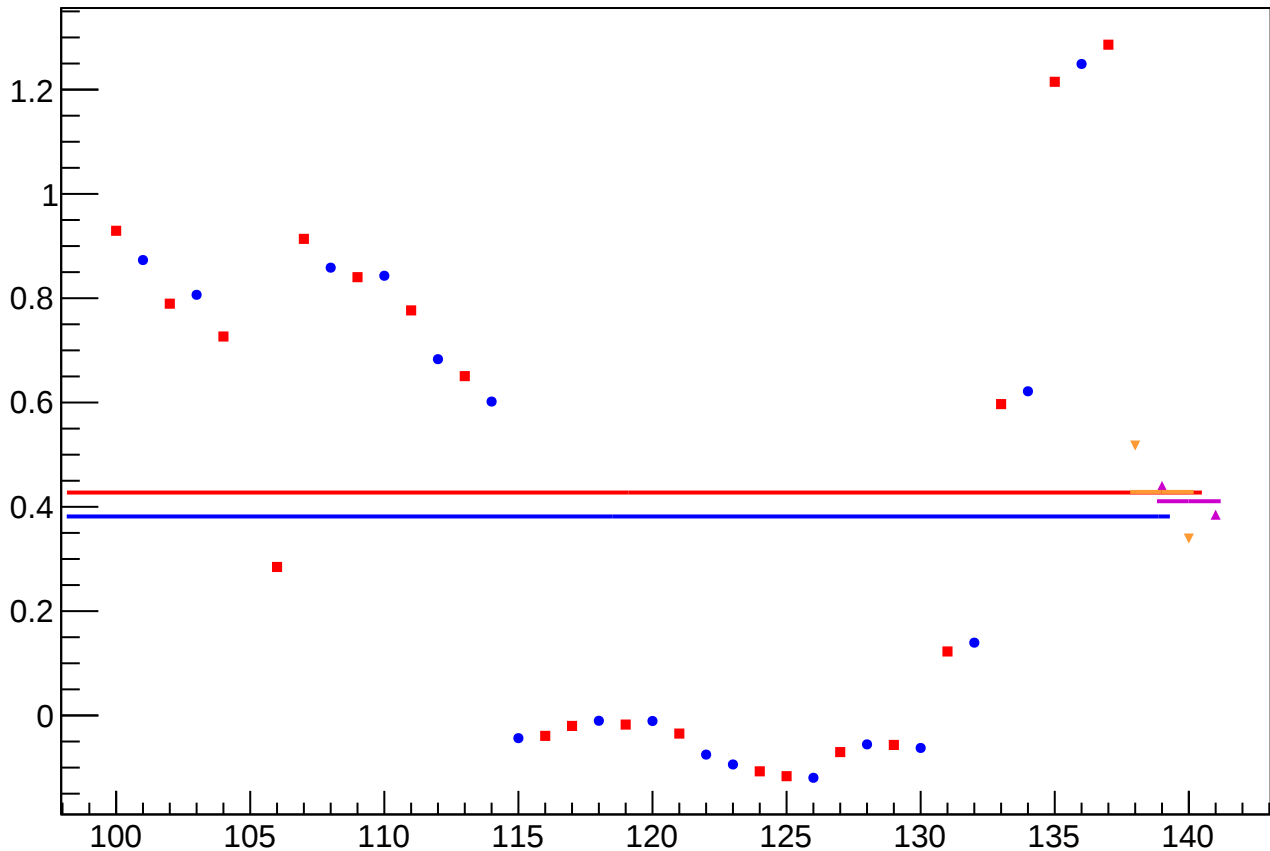
Right Out: 0.006+/-0.000 χ^2/NDF : 52636.1/19

Left In: 0.007+/-0.000 χ^2/NDF : 3983.6/1

0.006+/-0.000 χ^2/NDF : 183083.1/18

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: 0.429+/-0.000 χ^2/NDF : 46150272.3/1

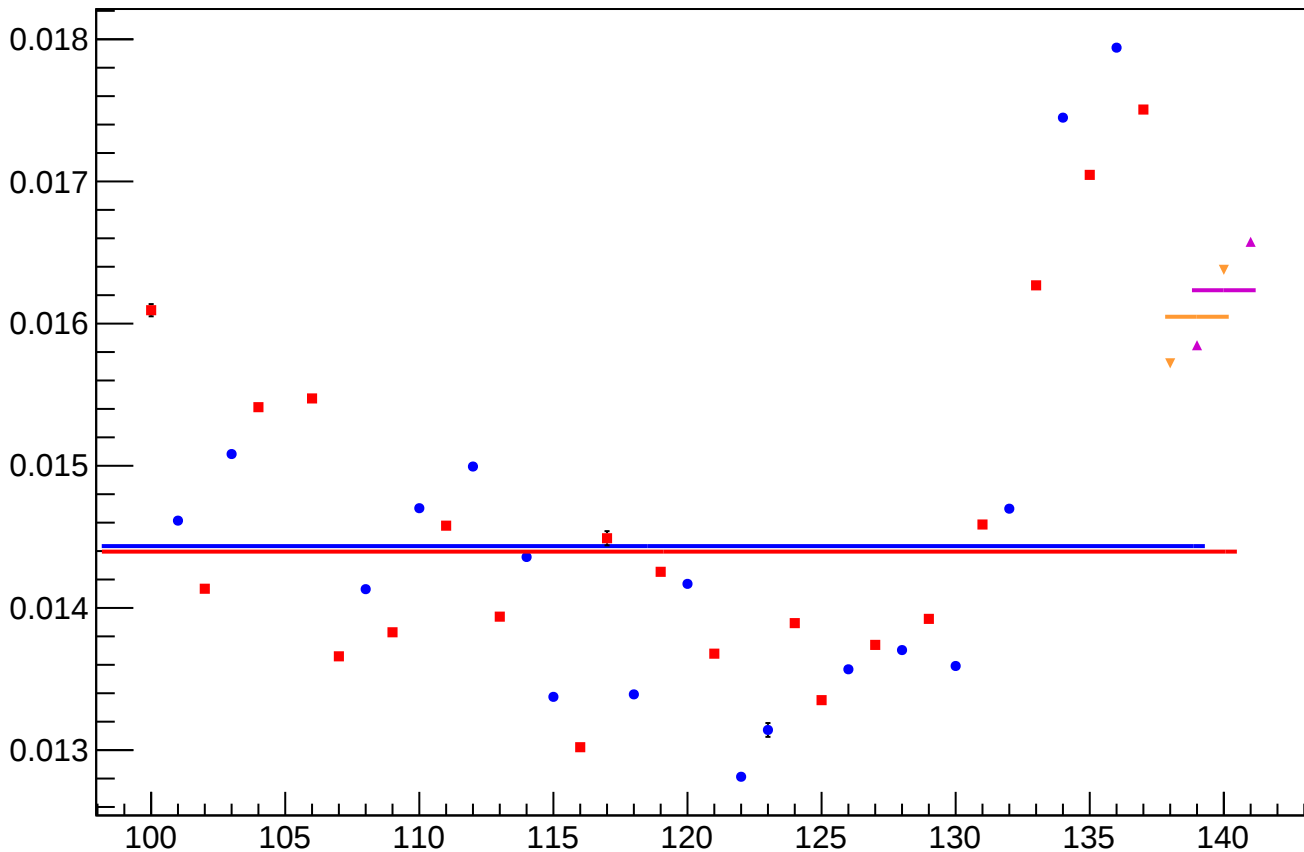
0.389+/-0.000 χ^2/NDF : 7181795198.9/18

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+/-0.000 χ^2/NDF : 110224.4/16

Left Out: 0.016+/-0.000 χ^2/NDF : 1256.0/1

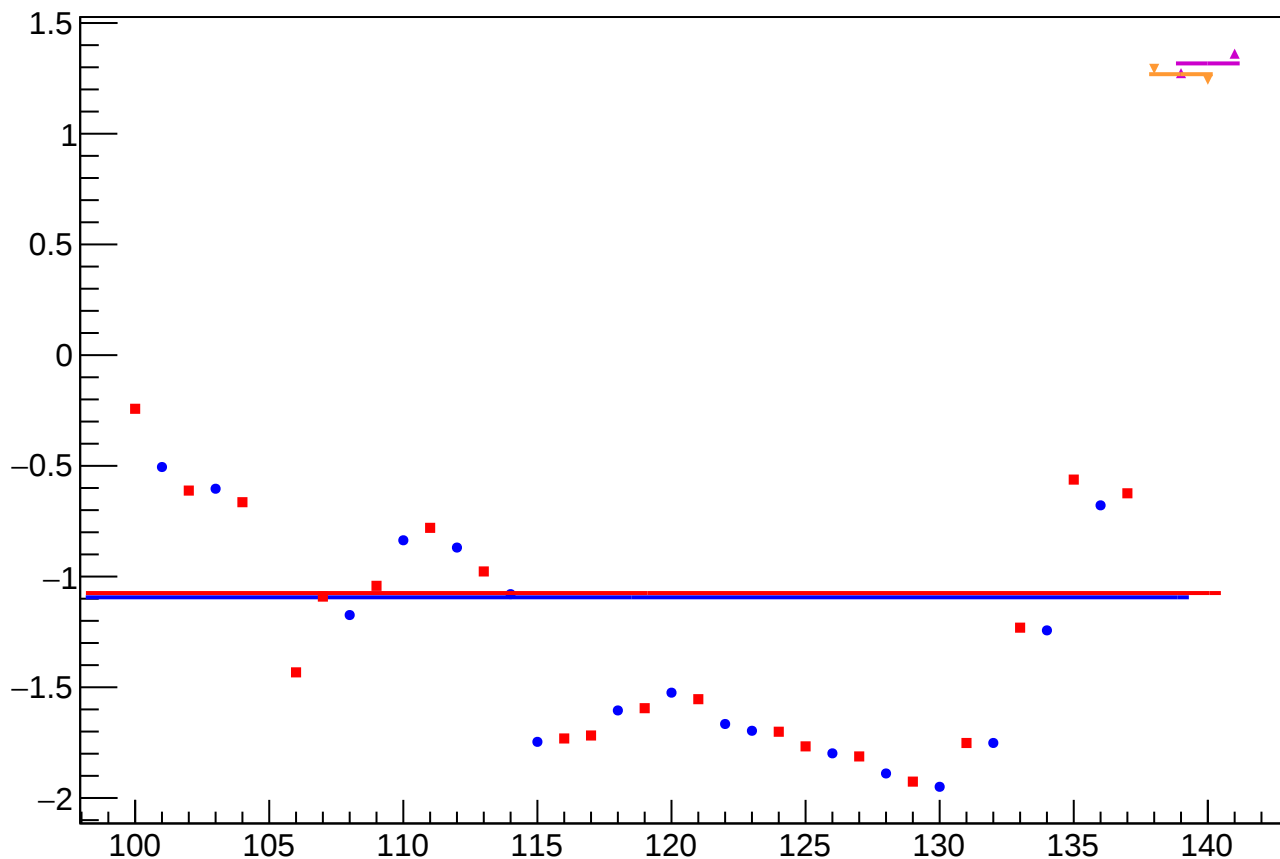
Right Out: 0.014+/-0.000 χ^2/NDF : 74535.1/19

Left In: 0.016+/-0.000 χ^2/NDF : 1516.5/1

0.015+/-0.000 χ^2/NDF : 137040.2/18

0.015+/-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: 1.269+/-0.000 χ^2/NDF : 54959973.9/1

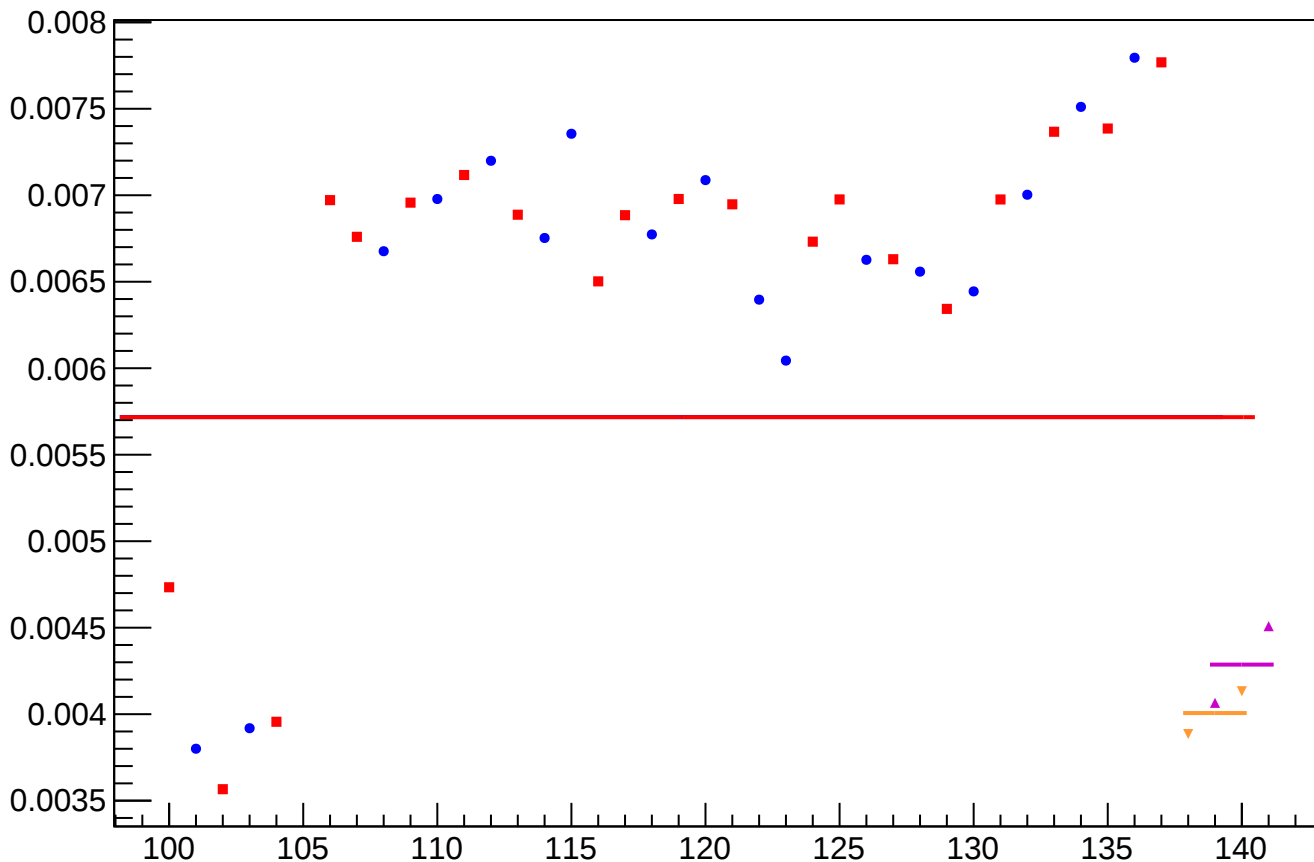
Right Out: -1.074+/-0.000 χ^2/NDF : 47208439320.8/19

Left In: 1.317+/-0.000 χ^2/NDF : 151053259.5/1

-0.308+/-0.000 χ^2/NDF : 393296430772.3/18

-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 : 2768.7/1

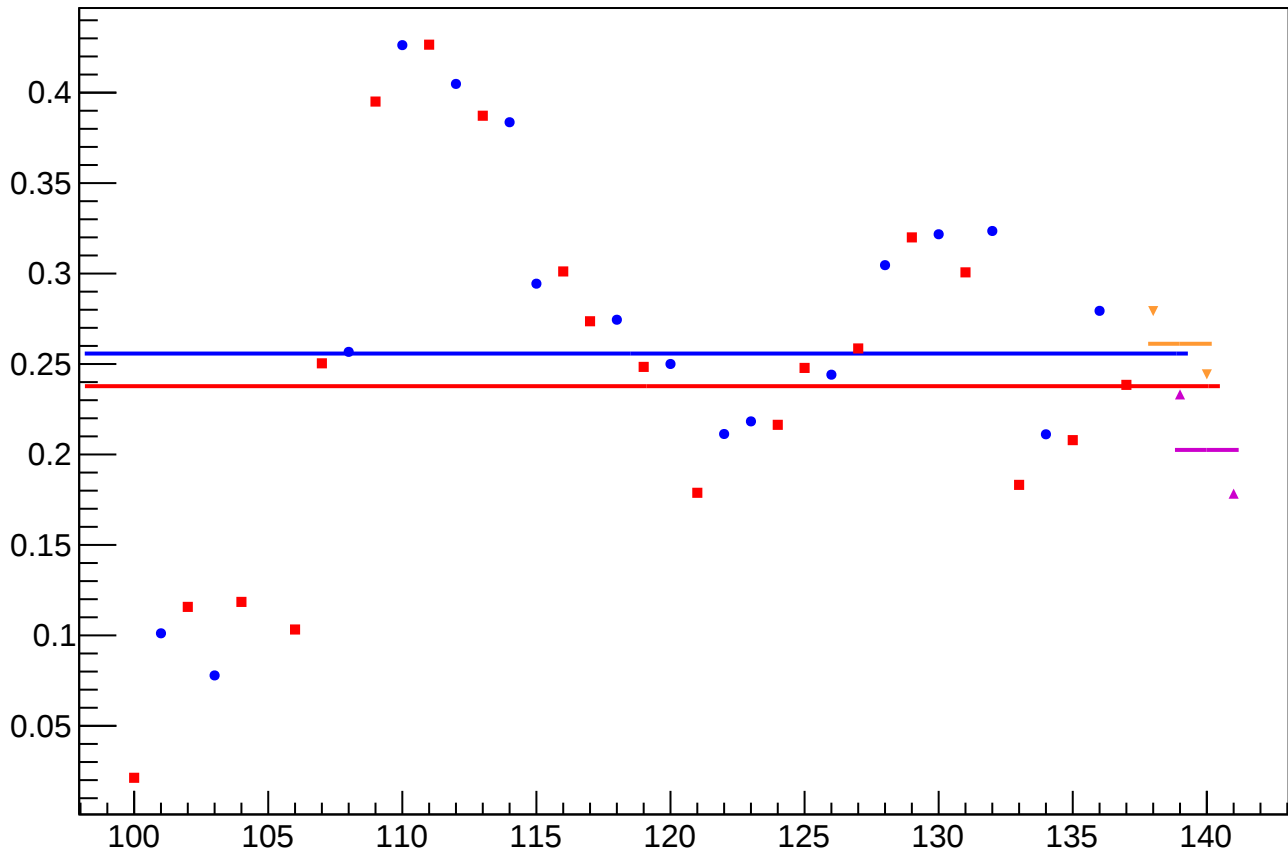
Right Out: 0.006+/-0.000 χ^2/NDF : 925957.4/19

Left In: 0.004+/-0.000 χ^2/NDF : 7690.0/1

0.005+/-0.000 χ^2/NDF : 1194350.2/18

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: 0.261 ± 0.000 χ^2/NDF : 165368028.5/1

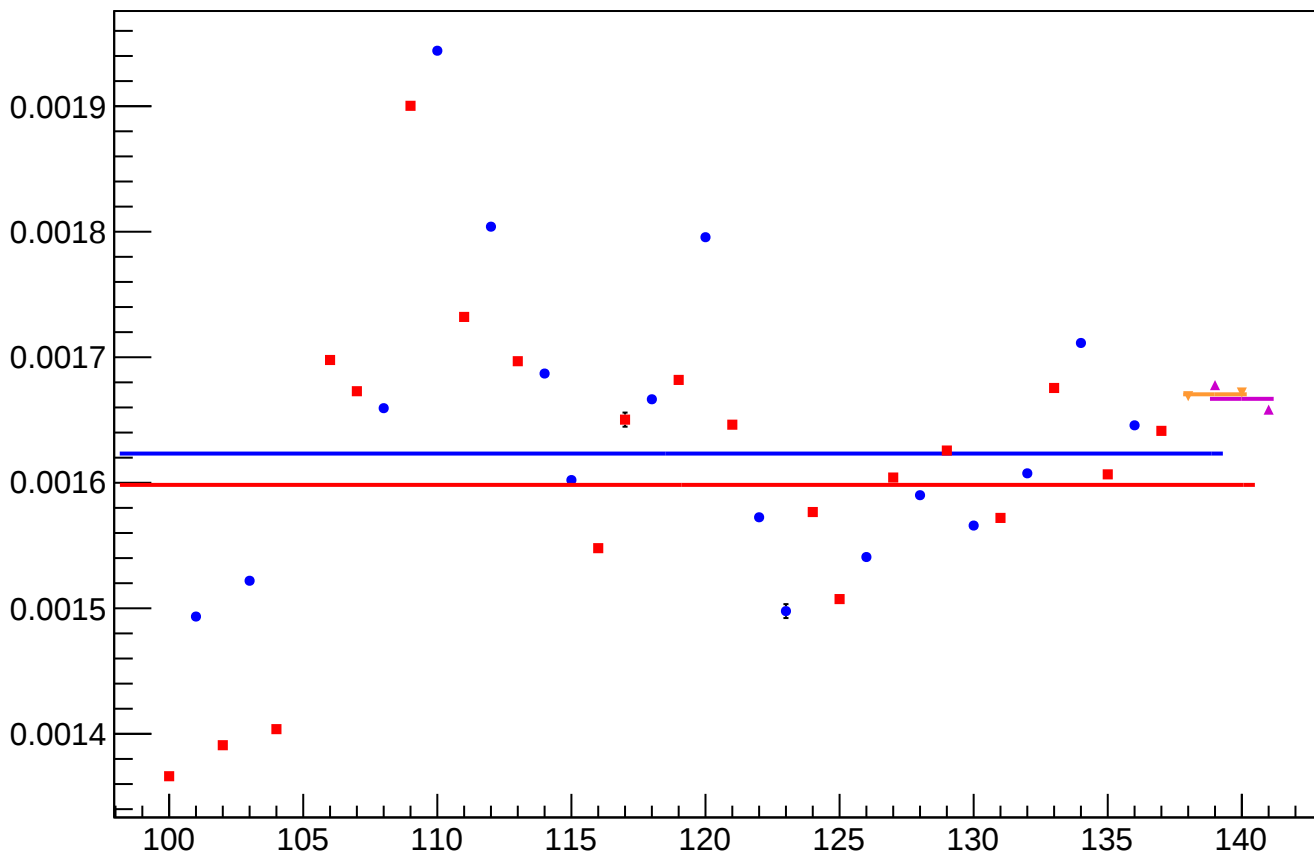
0.257 ± 0.000 χ^2/NDF : 21543814084.5/18

Right Out: 0.238 ± 0.000 χ^2/NDF : 26077768189.7/19

0.232 ± 0.000 χ^2/NDF : 27046988585.4/21

Left In: 0.203 ± 0.000 χ^2/NDF : 404654192.8/1

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 : 2.4/1

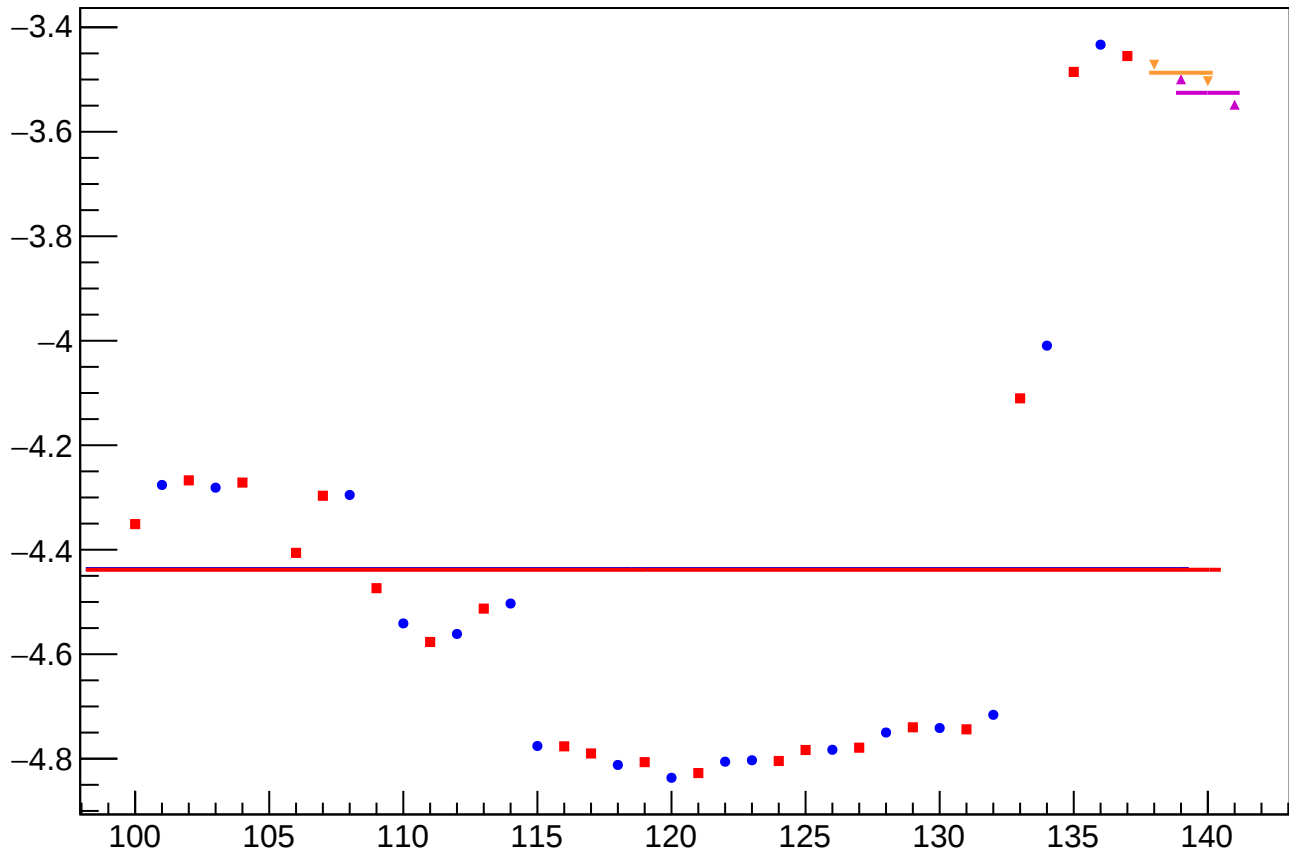
Right Out: 0.002+/-0.000 χ^2/NDF : 90764.4/19

Left In: 0.002+/-0.000 χ^2/NDF : 102.5/1

0.002+/-0.000 χ^2/NDF : 54447.7/18

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: -3.487+/-0.000 χ^2/NDF : 112629984.7/1

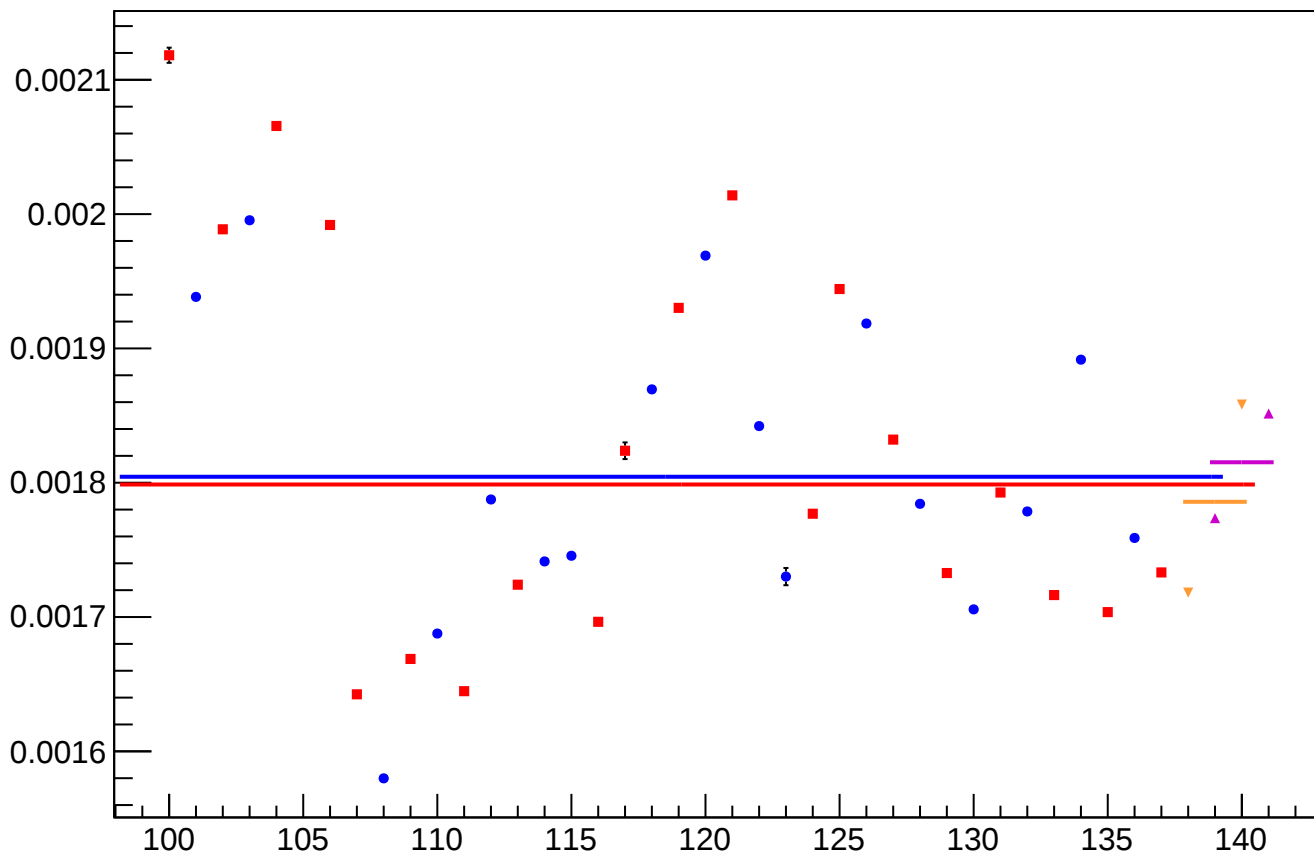
-4.262+/-0.000 χ^2/NDF : 725383462741.7/18

Right Out: -4.438+/-0.000 χ^2/NDF : 326800745779.7/19

-4.278+/-0.000 χ^2/NDF : 639286252027.5/21

Left In: -3.525+/-0.000 χ^2/NDF : 267491662.8/1

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 : 4421.0/1

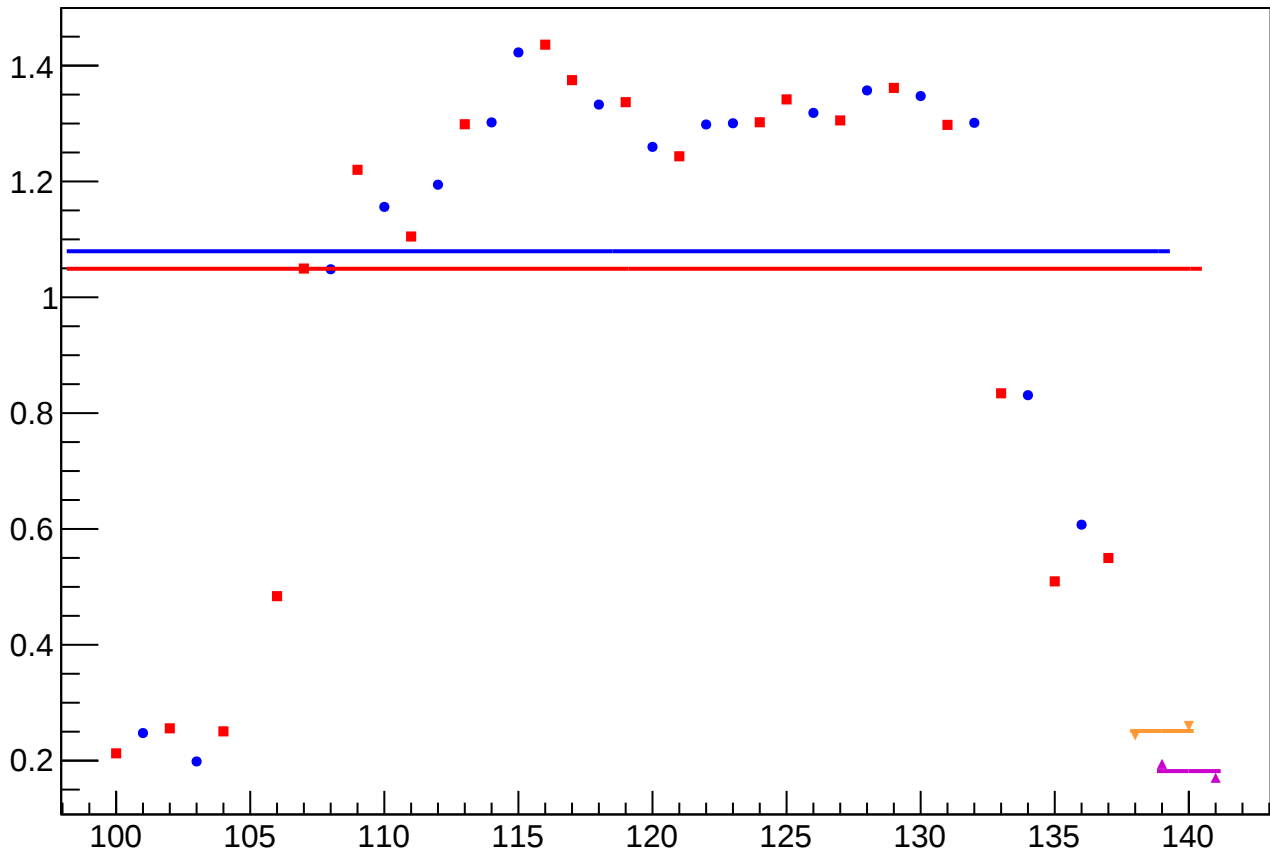
Right Out: 0.002+/-0.000 χ^2/NDF : 81037.5/19

Left In: 0.002+/-0.000 χ^2/NDF : 1371.4/1

0.002+/-0.000 χ^2/NDF : 53780.6/18

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: 0.251+/-0.000 χ^2/NDF :1058898.1/1

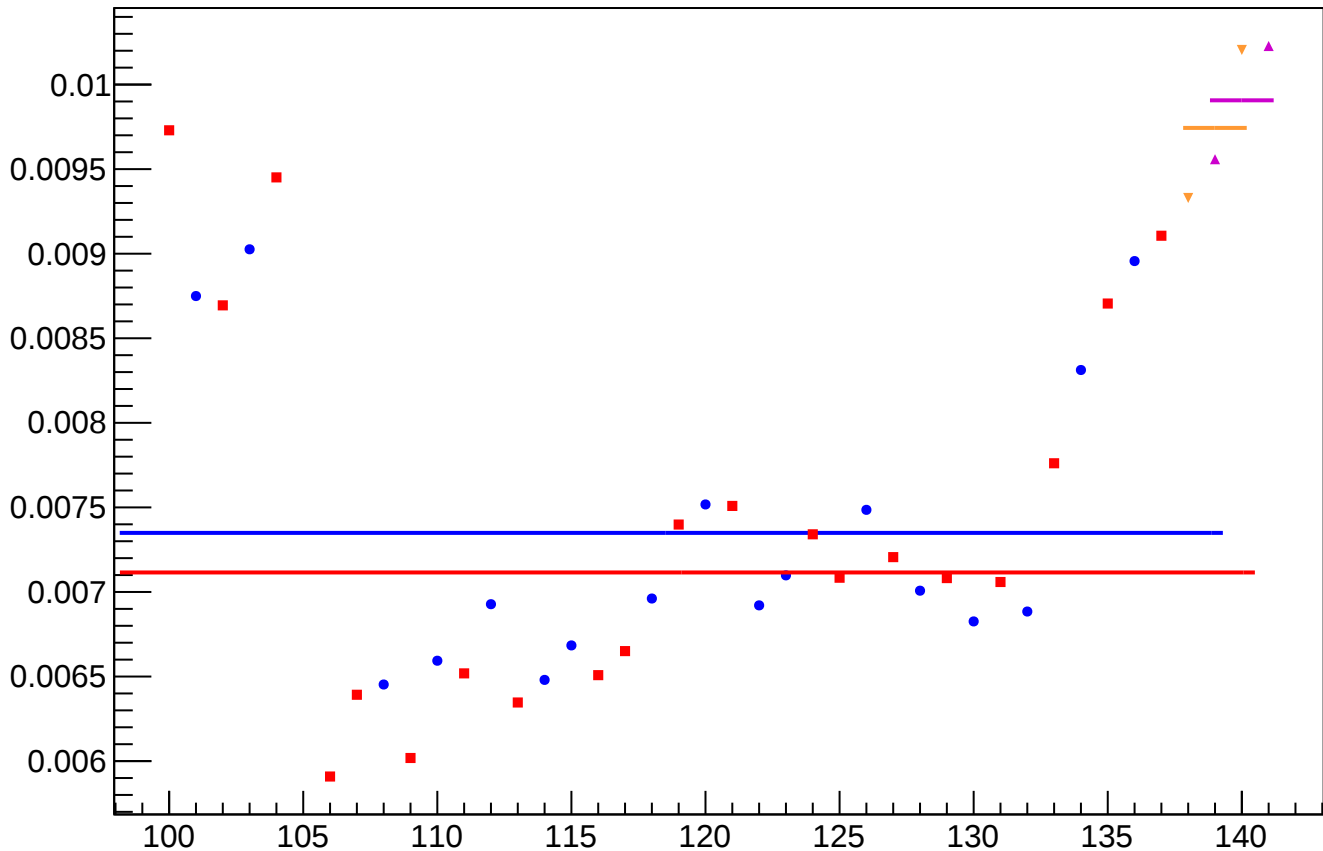
0.985+/-0.000 χ^2/NDF : 27124671847.5/18

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 : 6025.4/1

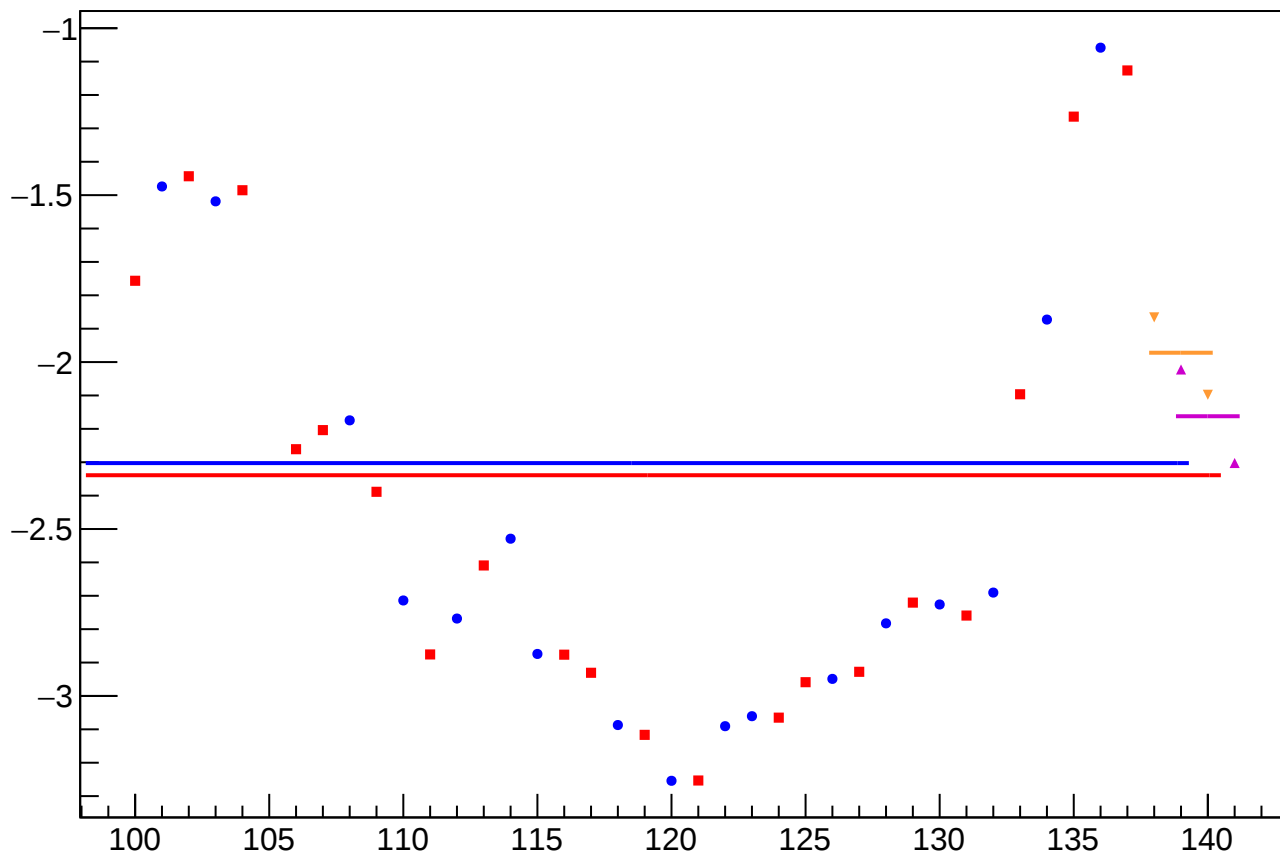
Right Out: 0.007+/-0.000 χ^2/NDF : 259539.3/19

Left In: 0.010+/-0.000 χ^2/NDF : 3459.2/1

0.008+/-0.000 χ^2/NDF : 347112.9/18

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: -1.972 ± 0.000 χ^2/NDF : 258213129.8/1

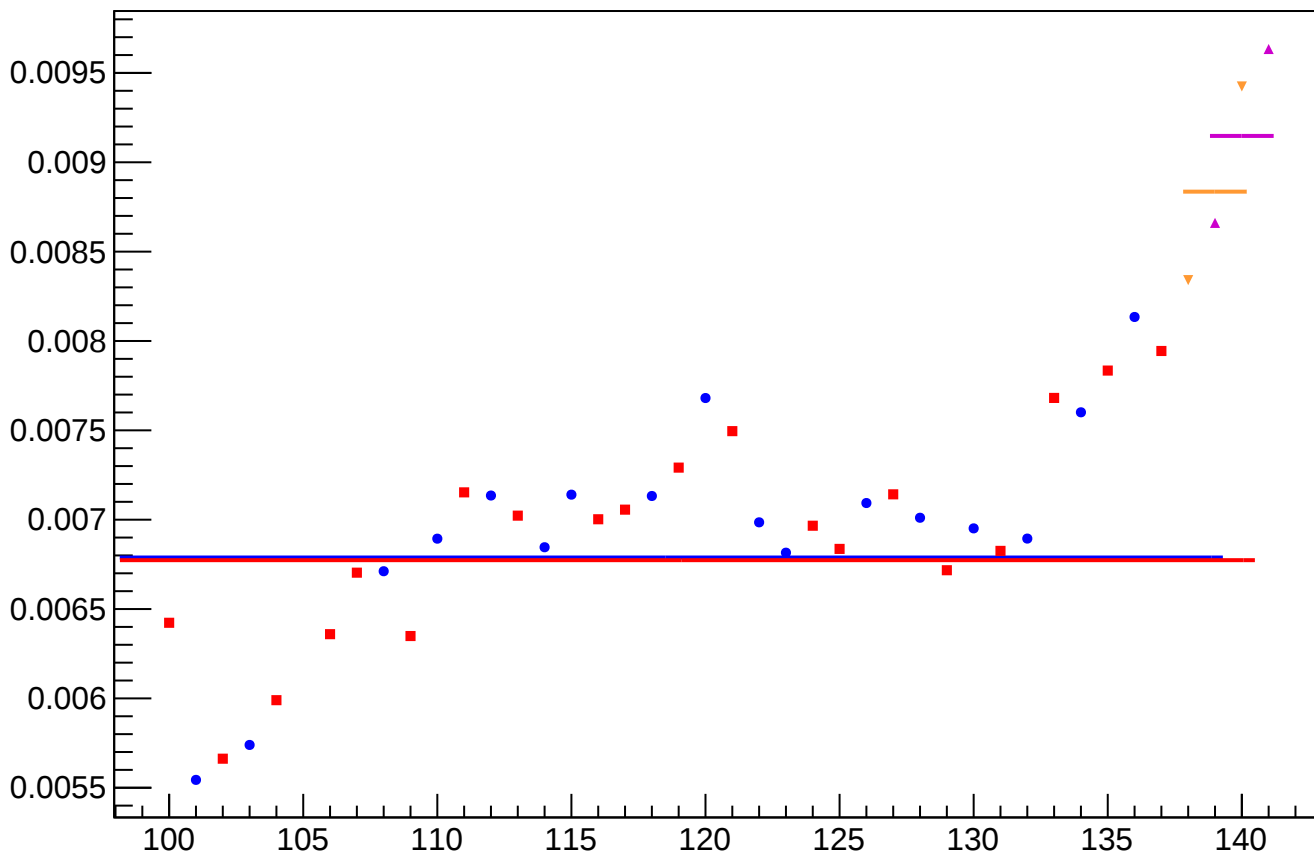
Right Out: -2.339 ± 0.000 χ^2/NDF : 64804828308.5/19

Left In: -2.162 ± 0.000 χ^2/NDF : 355521075.9/1

-2.263 ± 0.000 χ^2/NDF : 75879388859.3/18

-2.320 ± 0.000 χ^2/NDF : 65666875566.6/21

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 :11285.4/1

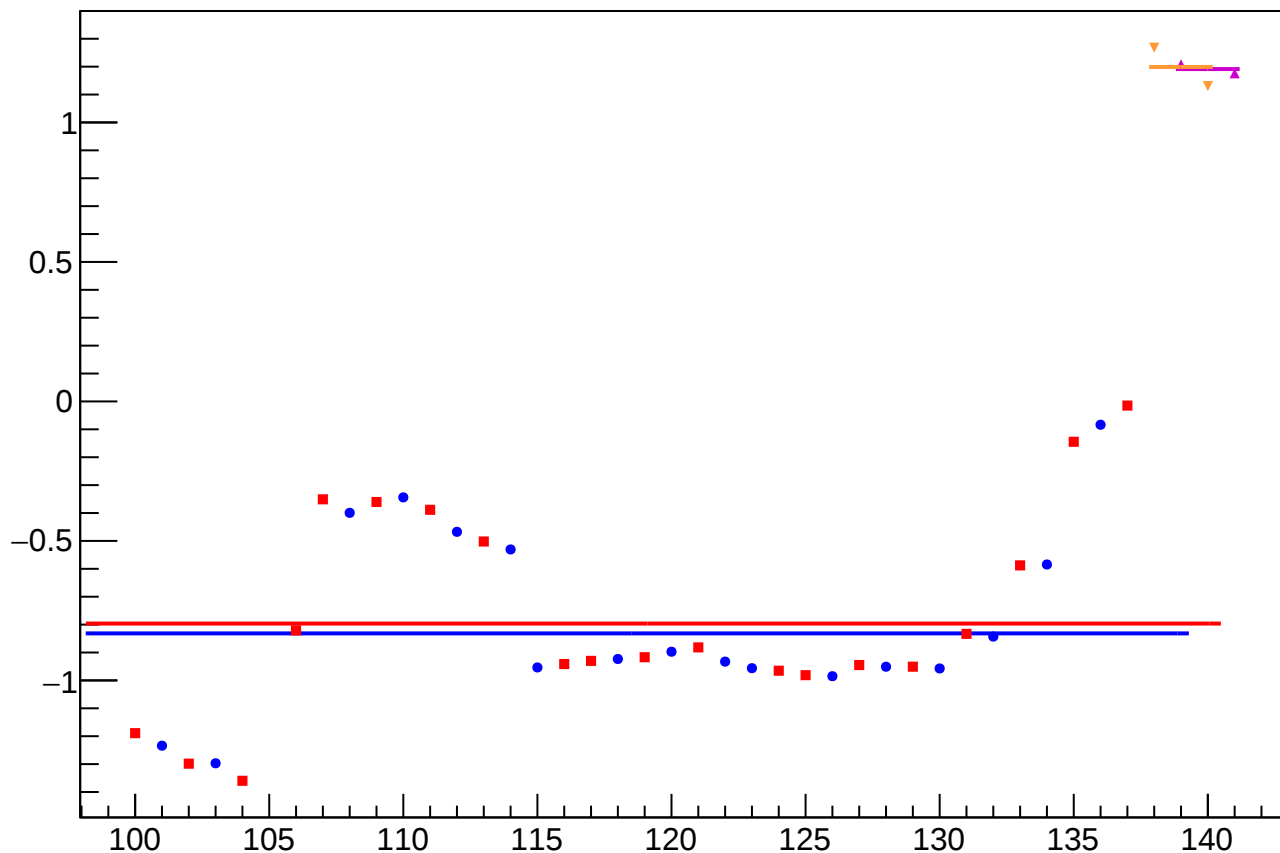
Right Out: 0.007+/-0.000 χ^2/NDF : 123383.6/19

Left In: 0.009+/-0.000 χ^2/NDF :8580.1/1

0.007+/-0.000 χ^2/NDF : 319565.4/18

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: 1.199 ± 0.000 χ^2/NDF : 45225781.5/1

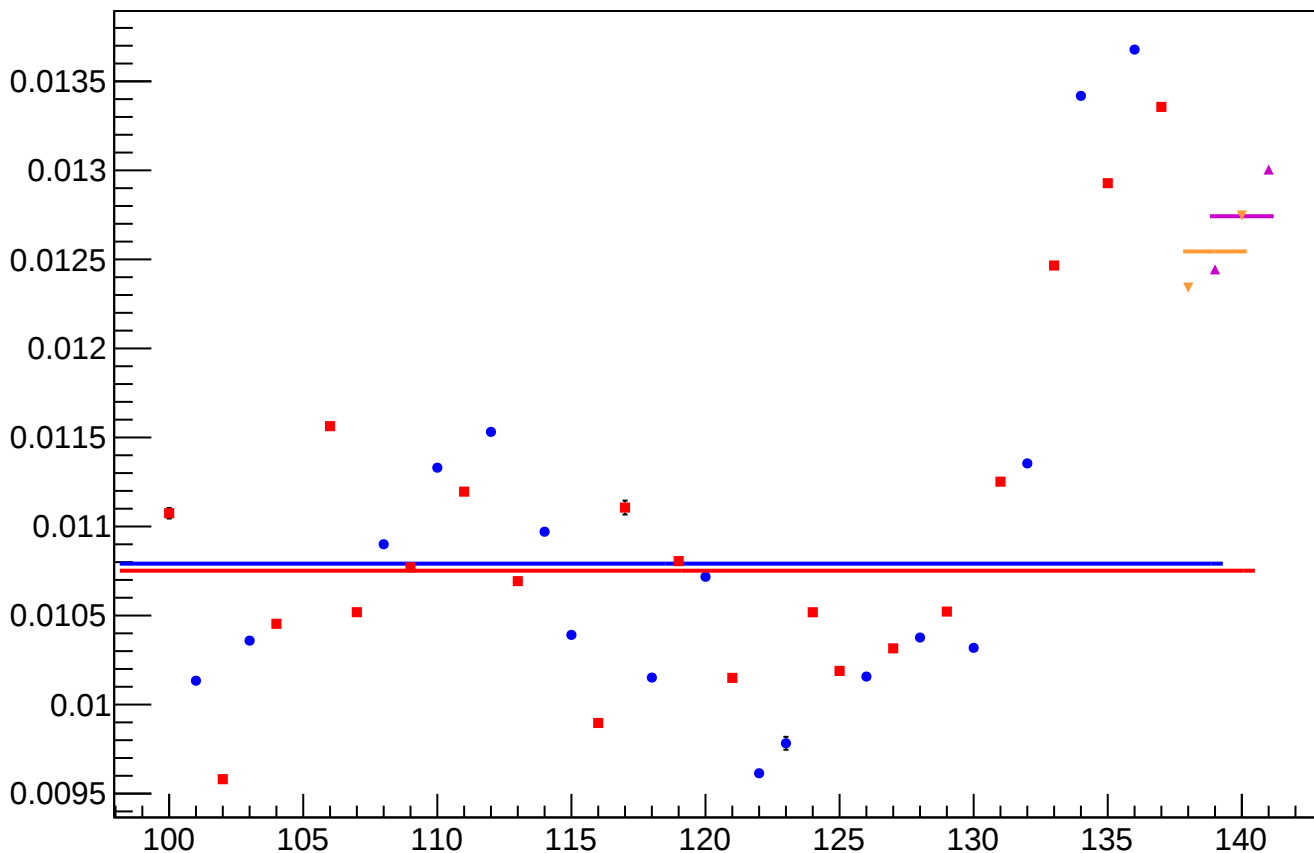
Right Out: -0.796 ± 0.000 χ^2/NDF : 7827622544.3/19

Left In: 1.191 ± 0.000 χ^2/NDF : 2405693.8/1

-0.538 ± 0.000 χ^2/NDF : 40366712269.5/18

-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: 0.013+/-0.000 χ^2/NDF : 781.6/1

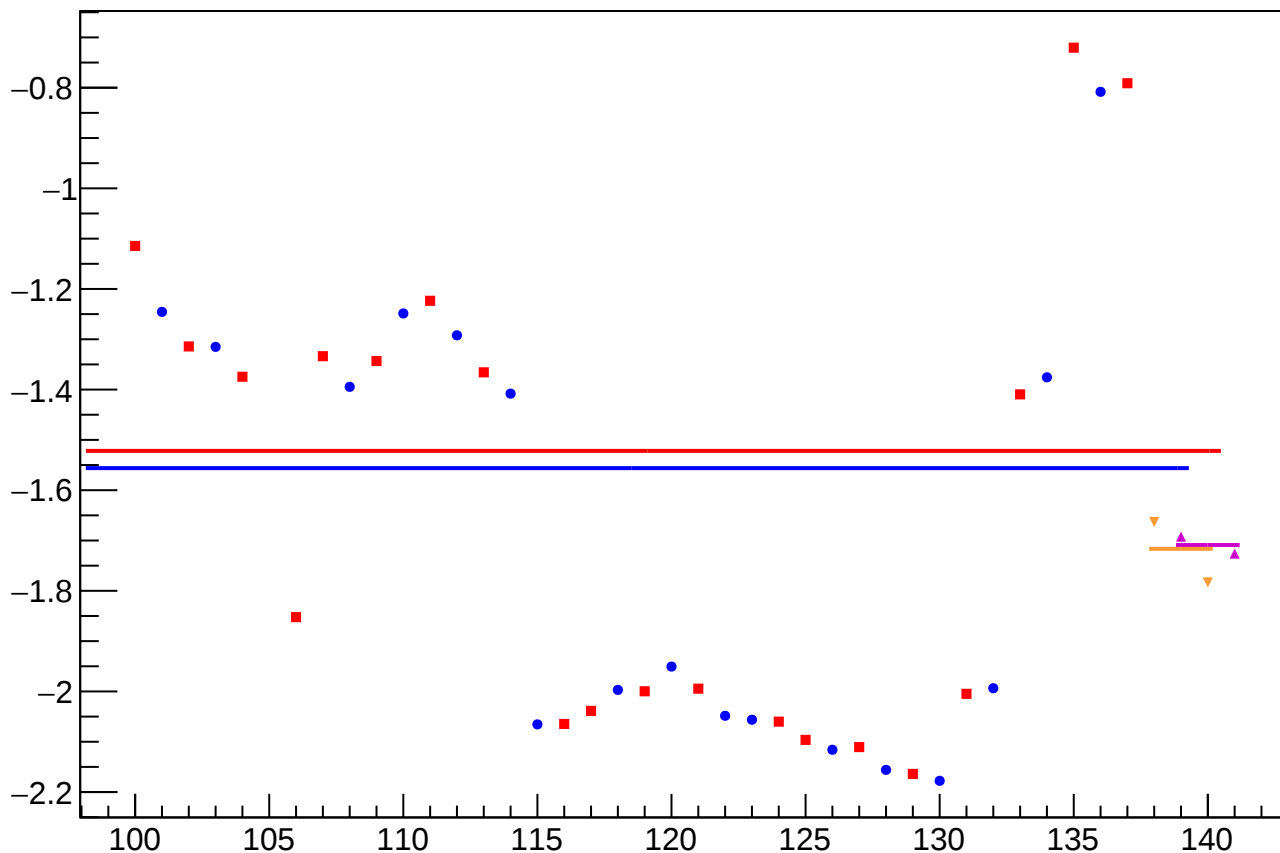
Right Out: 0.011+/-0.000 χ^2/NDF : 90303.3/19

Left In: 0.013+/-0.000 χ^2/NDF : 1461.0/1

0.011+/-0.000 χ^2/NDF : 176737.8/18

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: -1.717+/-0.000 χ^2/NDF : 666268489.0/1

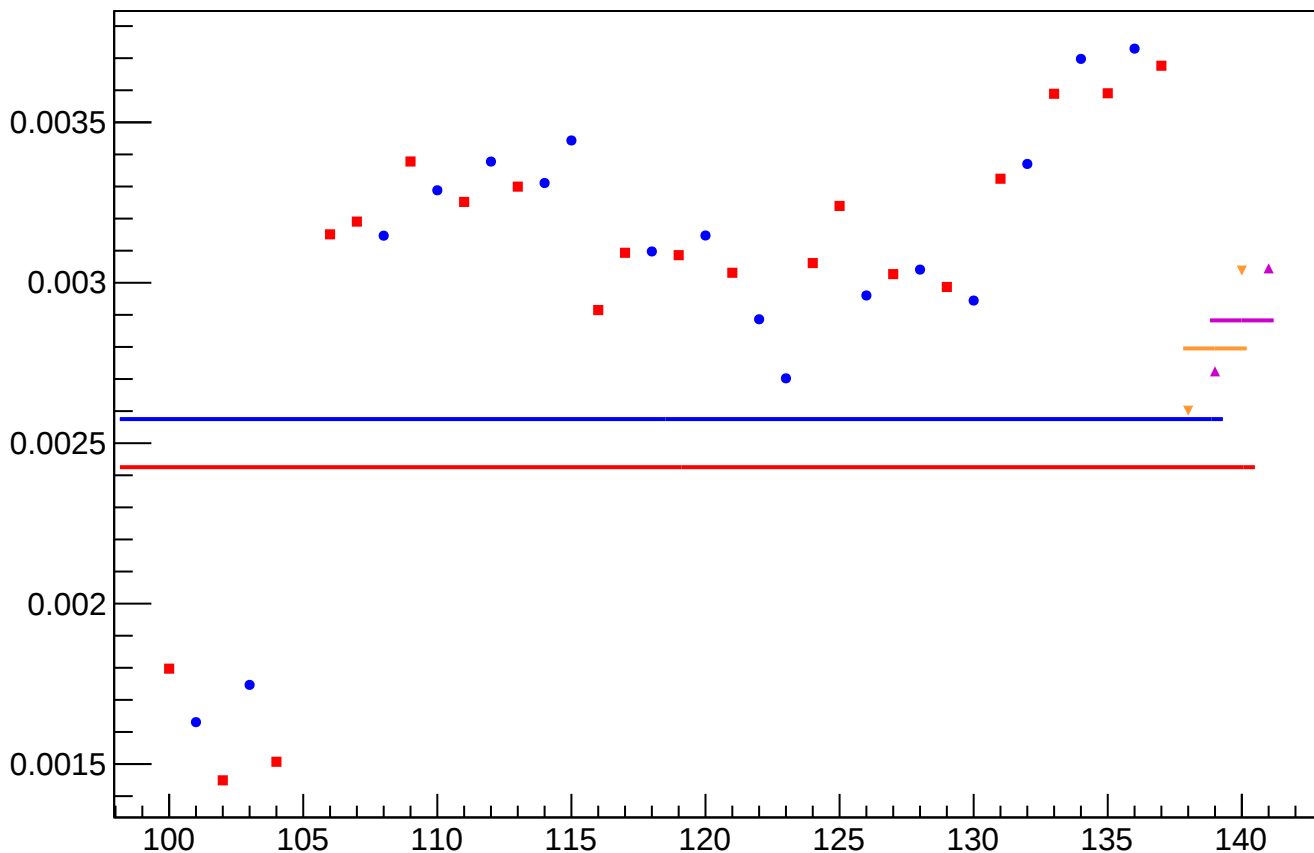
Right Out: -1.522+/-0.000 χ^2/NDF : 139385229659.4/19

Left In: -1.709+/-0.000 χ^2/NDF : 49450352.9/1

-1.585+/-0.000 χ^2/NDF : 159584961867.6/18

-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 :17591.6/1

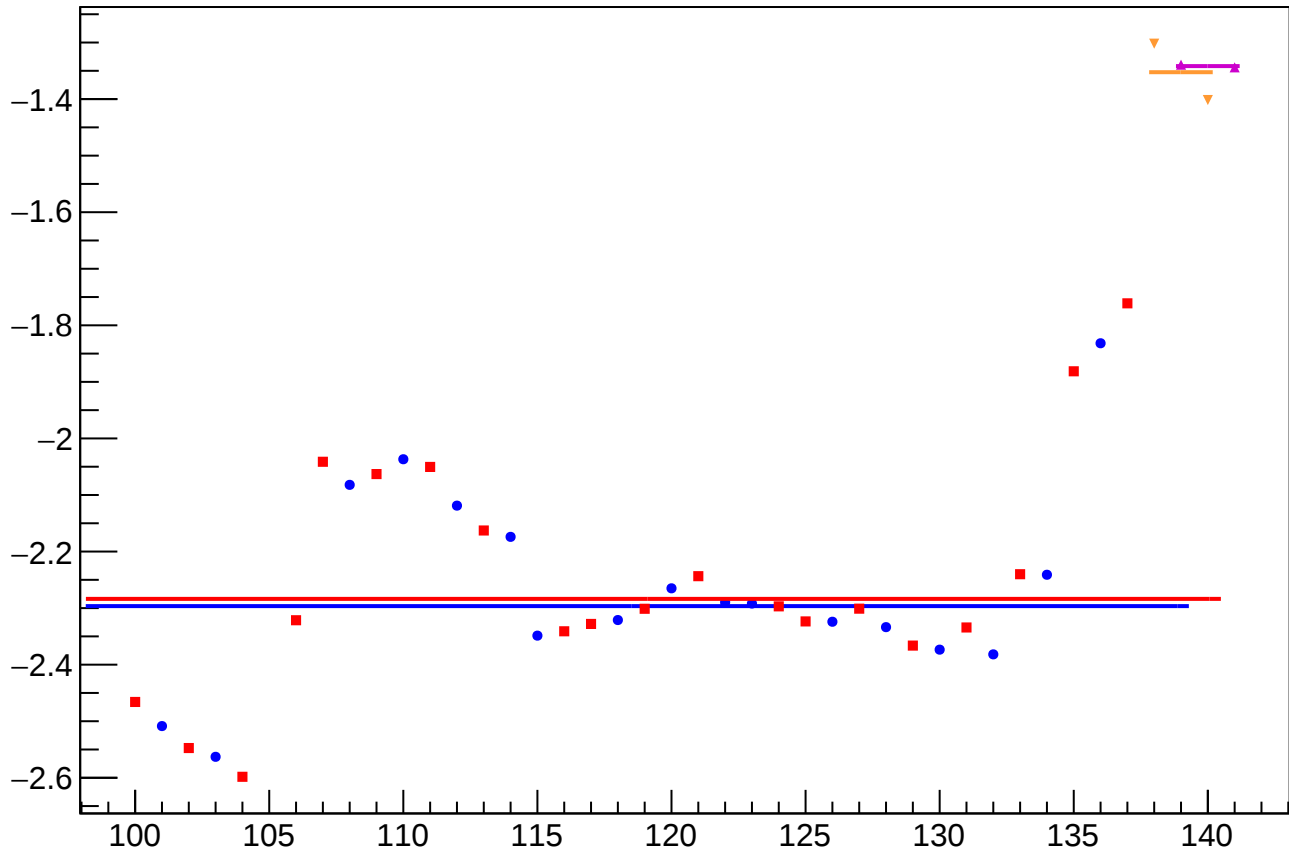
Right Out: 0.002+/-0.000 χ^2/NDF : 1493210.7/19

Left In: 0.003+/-0.000 χ^2/NDF :8965.7/1

0.003+/-0.000 χ^2/NDF : 1046285.1/18

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: -1.352+/-0.000 χ^2/NDF : 49174063.9/1

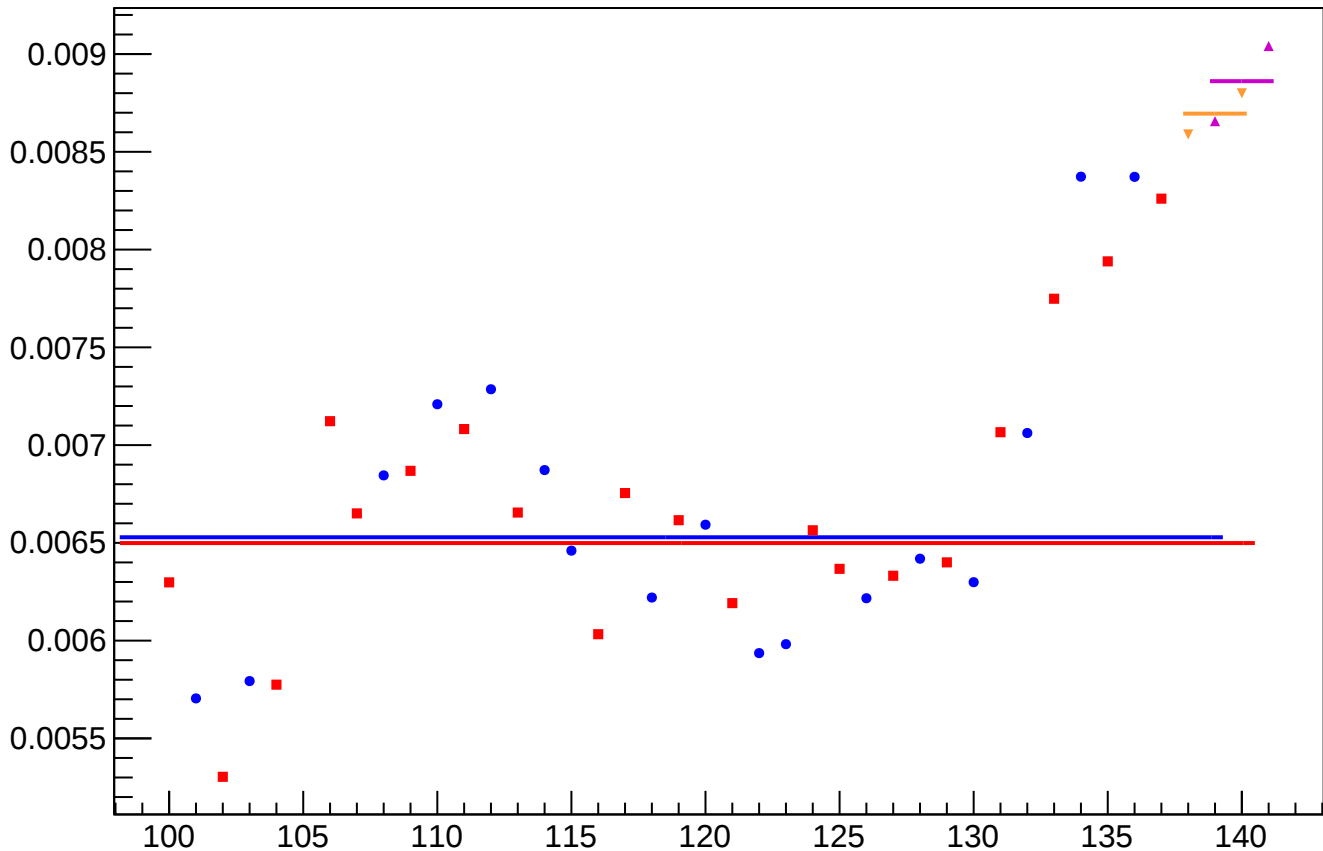
Right Out: -2.284+/-0.000 χ^2/NDF : 6550363990.6/19

Left In: -1.342+/-0.000 χ^2/NDF : 105641.6/1

-2.187+/-0.000 χ^2/NDF : 21452630890.7/18

-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 :437.6/1

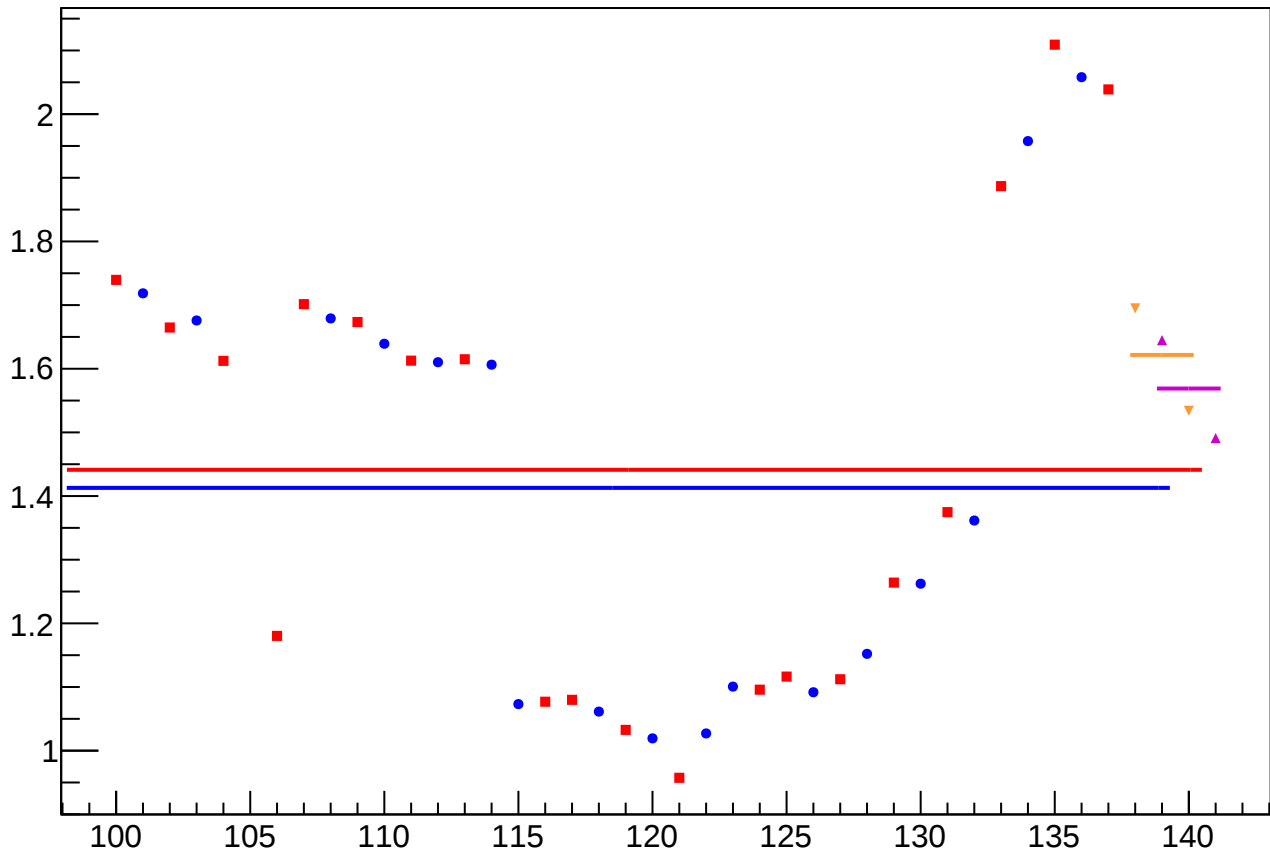
Right Out: 0.006+/-0.000 χ^2/NDF : 164253.8/19

Left In: 0.009+/-0.000 χ^2/NDF :1414.2/1

0.007+/-0.000 χ^2/NDF : 341498.0/18

0.007+/-0.000 χ^2/NDF : 357606.9/21

yield_bpm0i01aY_mean vs Slug



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 1.622+/-0.000 χ^2/NDF : 449193911.9/1

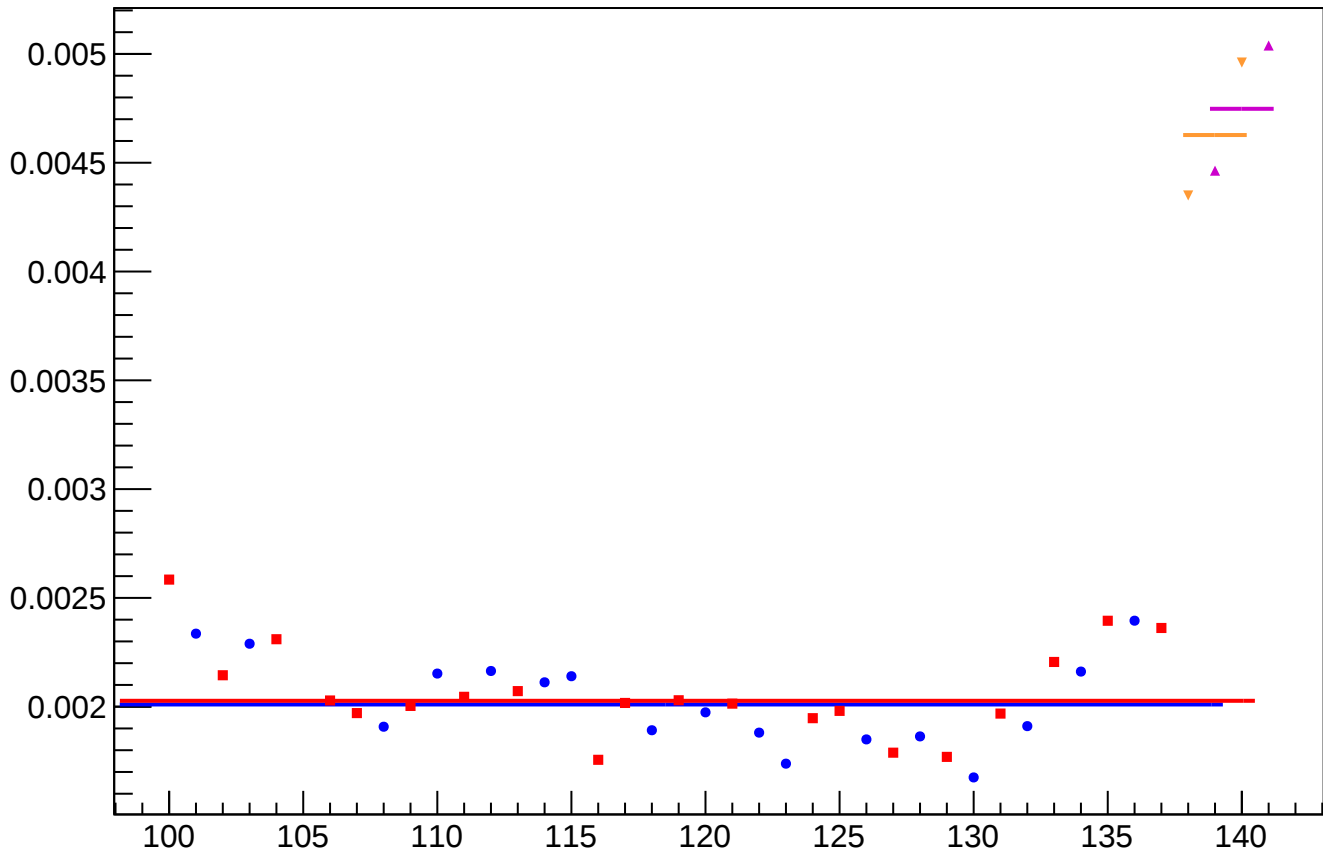
1.422+/-0.000 χ^2/NDF : 175927156676.0/18

Right Out: 1.441+/-0.000 χ^2/NDF : 174346888744.4/19

1.446+/-0.000 χ^2/NDF : 175777310368.1/21

Left In: 1.569+/-0.000 χ^2/NDF : 392480378.0/1

yield_bpm0i01aY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 152530.4/16

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:12943.2/1

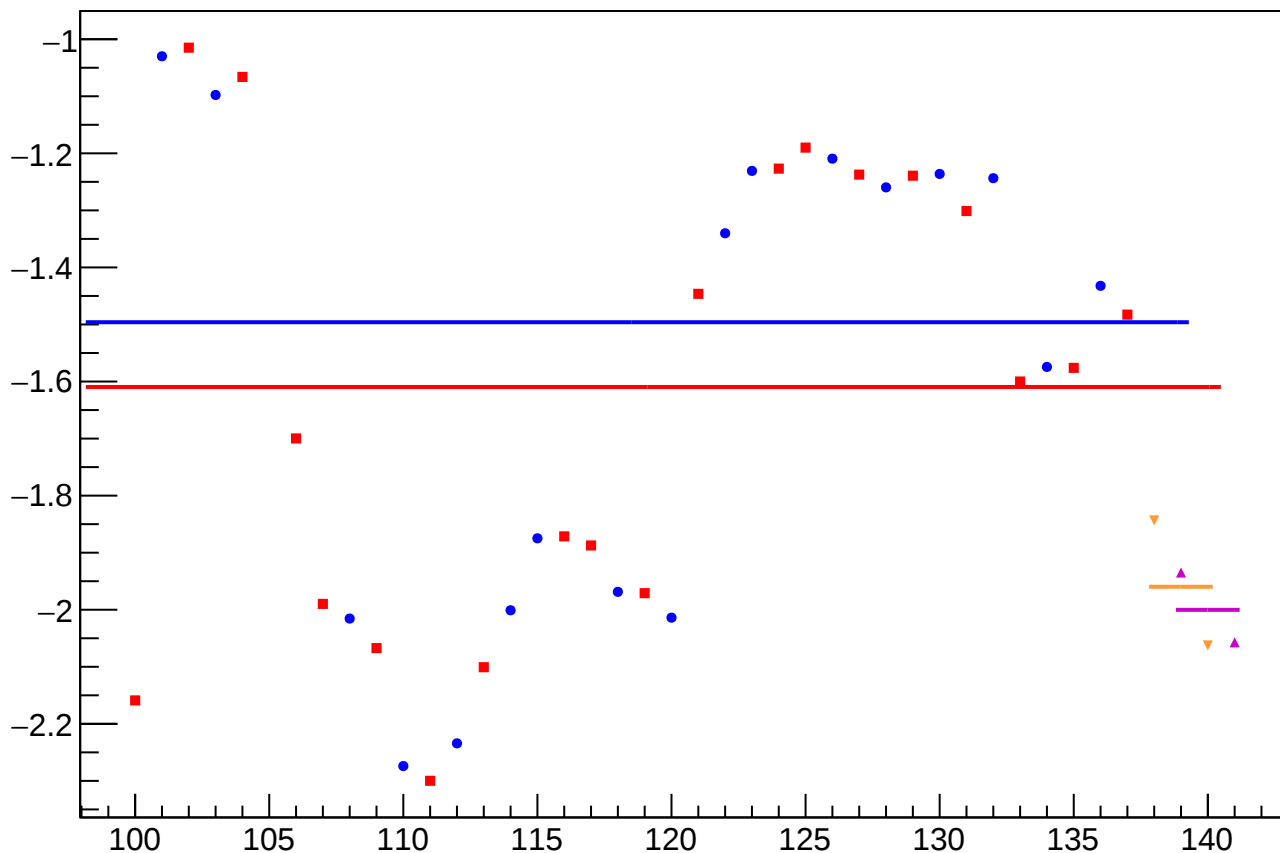
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 103927.8/19

Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:10975.8/1

0.002 $\pm$ 0.000 χ^2 /NDF: 1081713.2/18

0.002 $\pm$ 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: -1.960+/-0.000 χ^2/NDF : 587414582.0/1

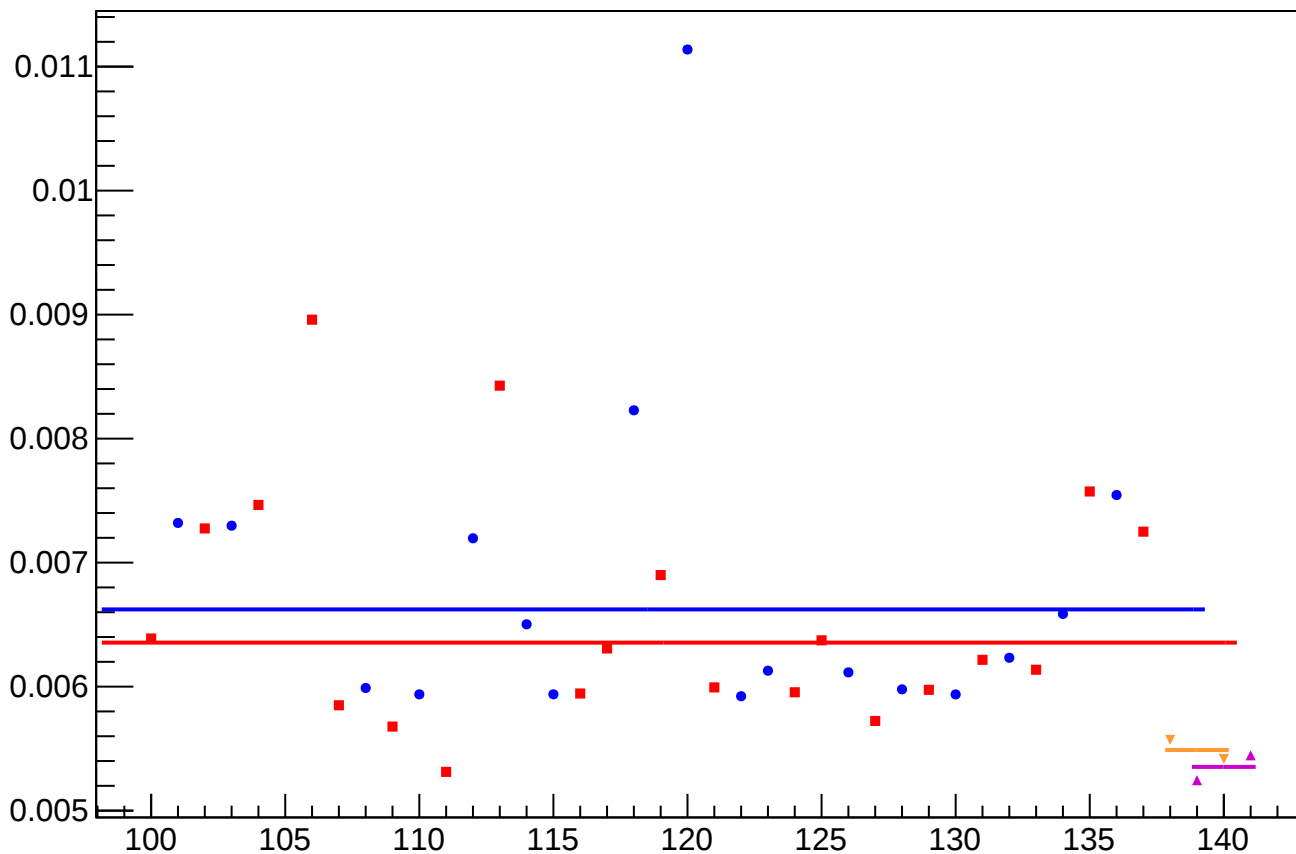
Right Out: -1.610+/-0.000 χ^2/NDF : 27919840690.9/19

Left In: -2.000+/-0.000 χ^2/NDF : 193171996.7/1

-1.617+/-0.000 χ^2/NDF : 30917899833.6/18

-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 : 578.1/1

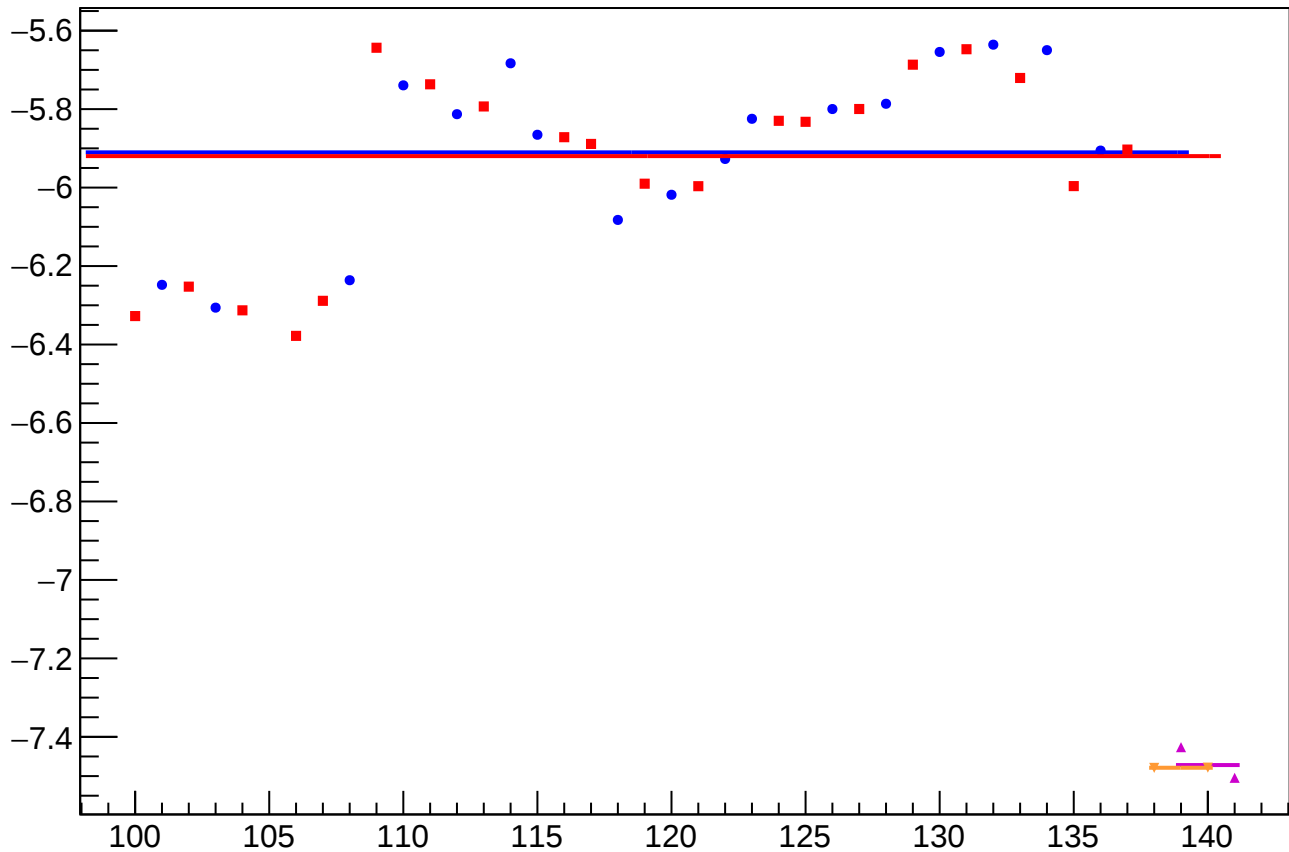
Right Out: 0.006 ± 0.000 χ^2/NDF : 227865.9/19

Left In: 0.005 ± 0.000 χ^2/NDF : 1044.2/1

0.006 ± 0.000 χ^2/NDF : 326530.1/18

0.006 ± 0.000 χ^2/NDF : 308124.7/21

yield_bpm0l01Y_mean vs Slug



Right In: -5.910+/-0.000 χ^2 /NDF: 11154434512.7/16

Left Out: -7.479+/-0.000 χ^2 /NDF:1717.9/1

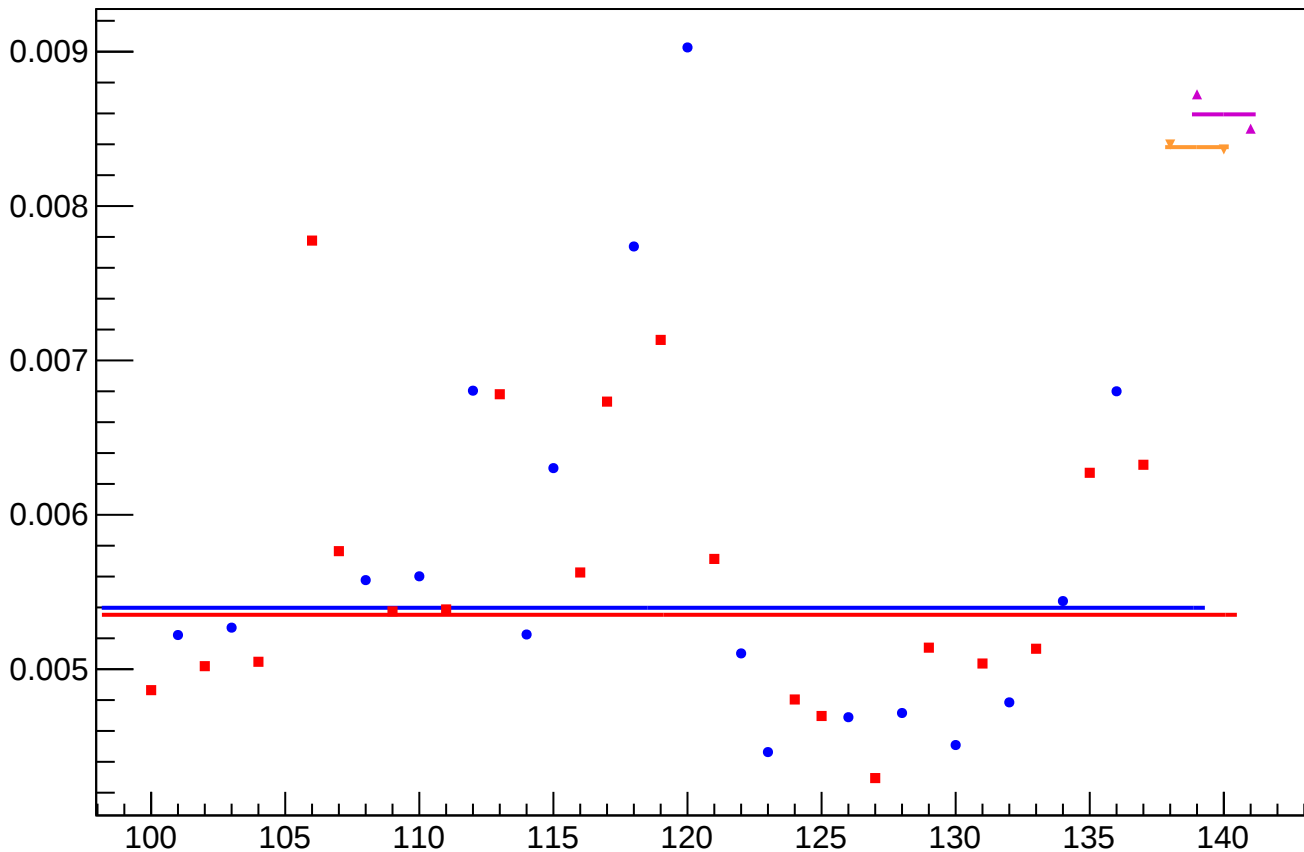
Right Out: -5.920+/-0.000 χ^2 /NDF: 12786449843.6/19

Left In: -7.472+/-0.000 χ^2 /NDF:26001413.7/1

-6.034+/-0.000 χ^2 /NDF: 50579468399.8/18

-6.033+/-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: 0.008+/-0.000 χ^2/NDF : 9.0/1

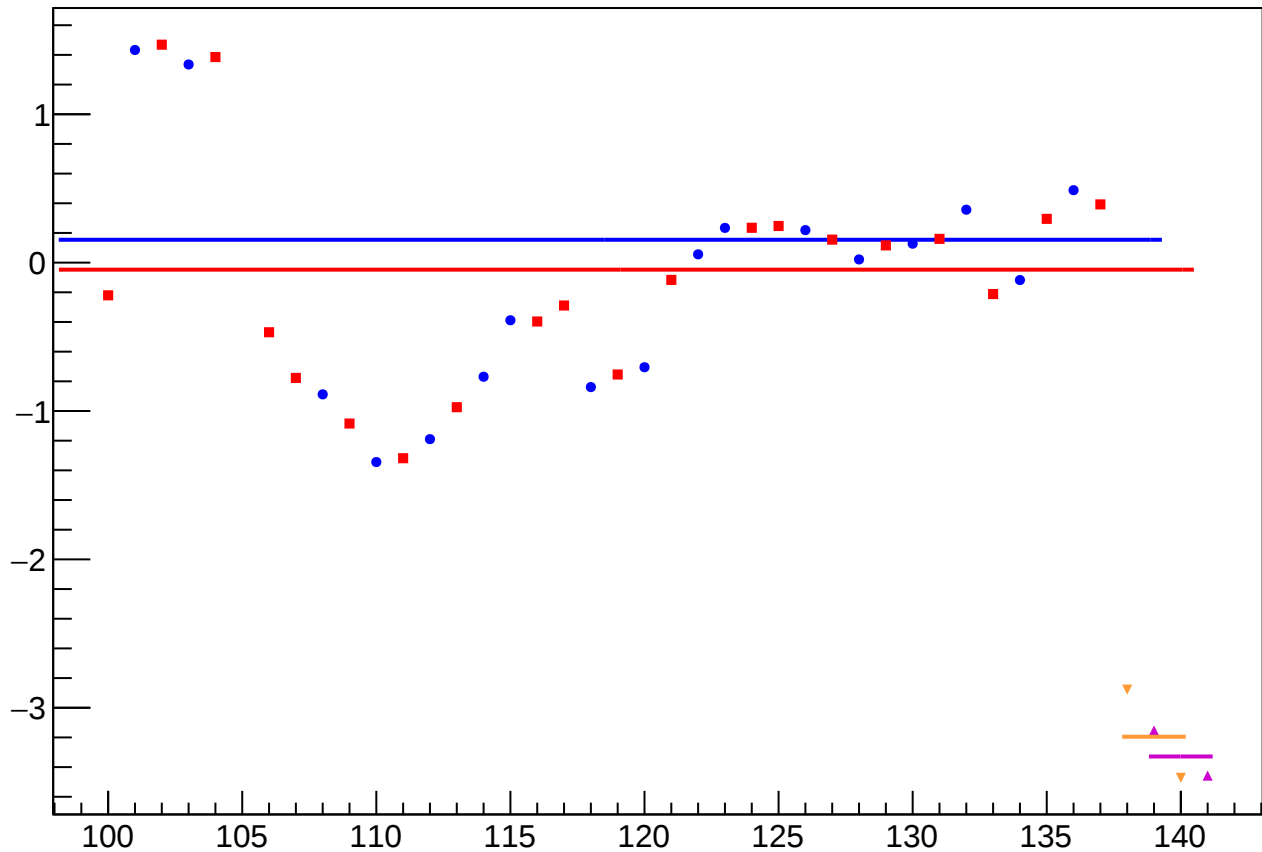
Right Out: 0.005+/-0.000 χ^2/NDF : 252664.1/19

Left In: 0.009+/-0.000 χ^2/NDF : 422.6/1

0.006+/-0.000 χ^2/NDF : 656701.2/18

0.006+/-0.000 χ^2/NDF : 595365.5/21

yield_bpm0l02X_mean vs Slug



Right In: 0.154 $\pm$ 0.000 χ^2 /NDF: 16988256953.8/16

Left Out: -3.195 $\pm$ 0.000 χ^2 /NDF: 452274103.3/1

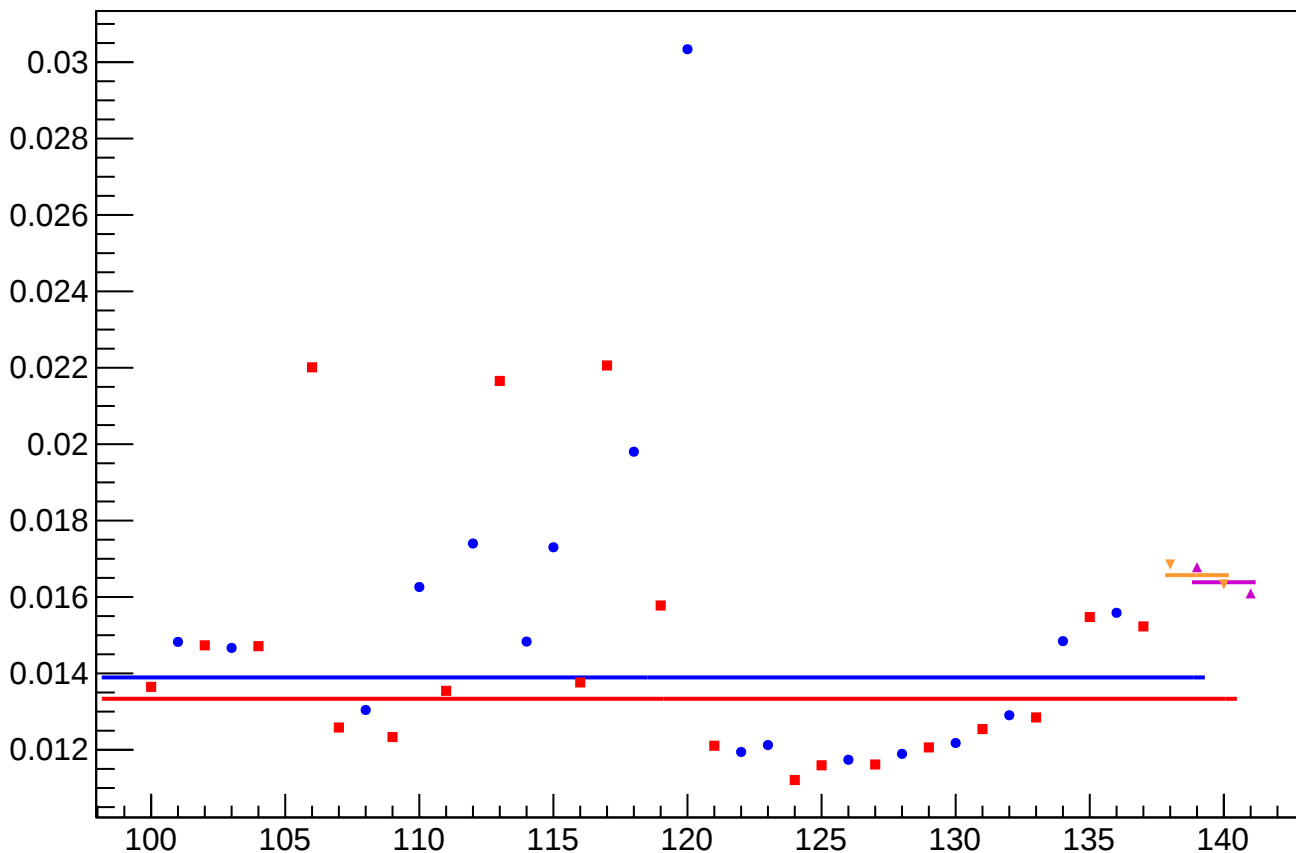
-0.327 $\pm$ 0.000 χ^2 /NDF: 66893616968.1/18

Right Out: -0.047 $\pm$ 0.000 χ^2 /NDF: 21216074494.2/19

-0.478 $\pm$ 0.000 χ^2 /NDF: 72904946885.0/21

Left In: -3.328 $\pm$ 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: 0.017+/-0.000 χ^2/NDF :693.5/1

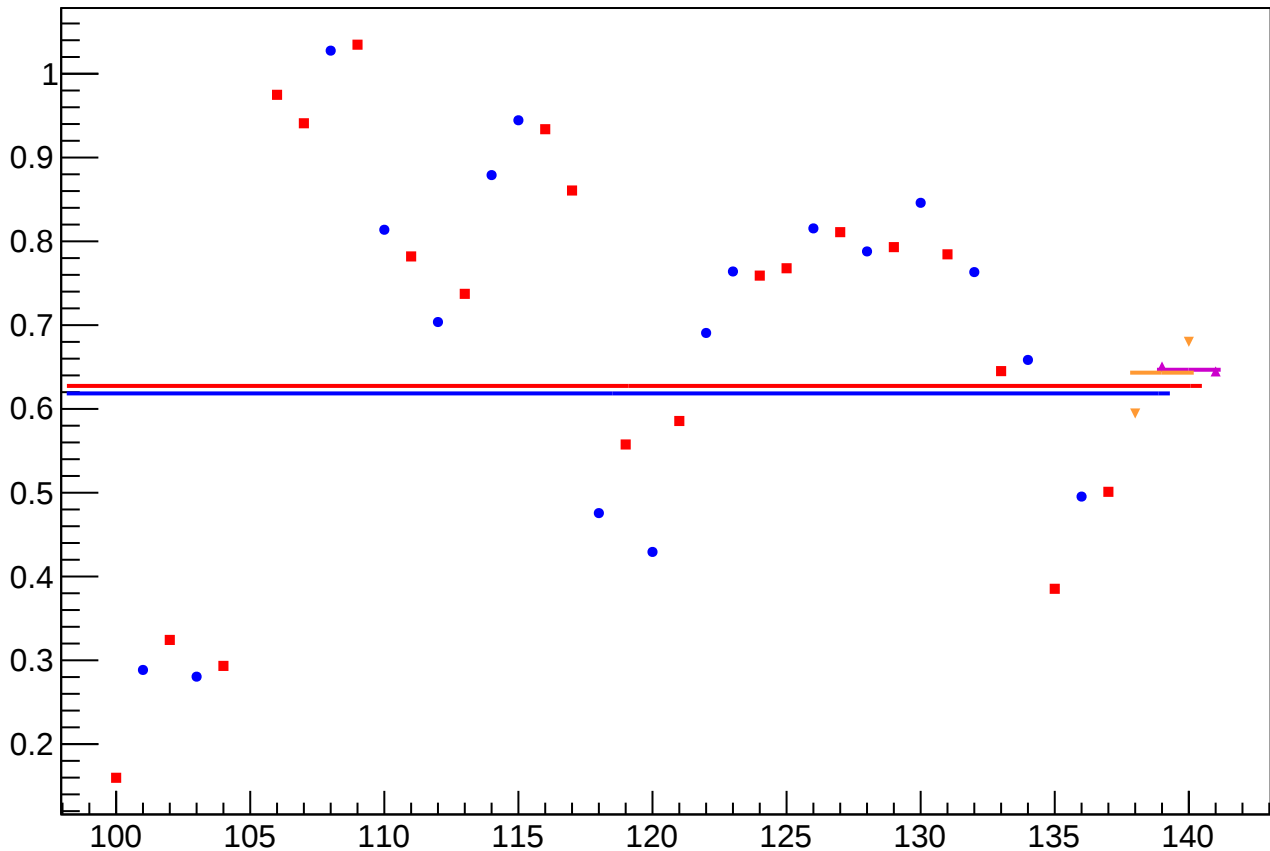
Right Out: 0.013+/-0.000 χ^2/NDF : 303459.9/19

Left In: 0.016+/-0.000 χ^2/NDF :1266.3/1

0.014+/-0.000 χ^2/NDF : 464479.8/18

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: 0.643+/-0.000 χ^2/NDF :47653745.7/1

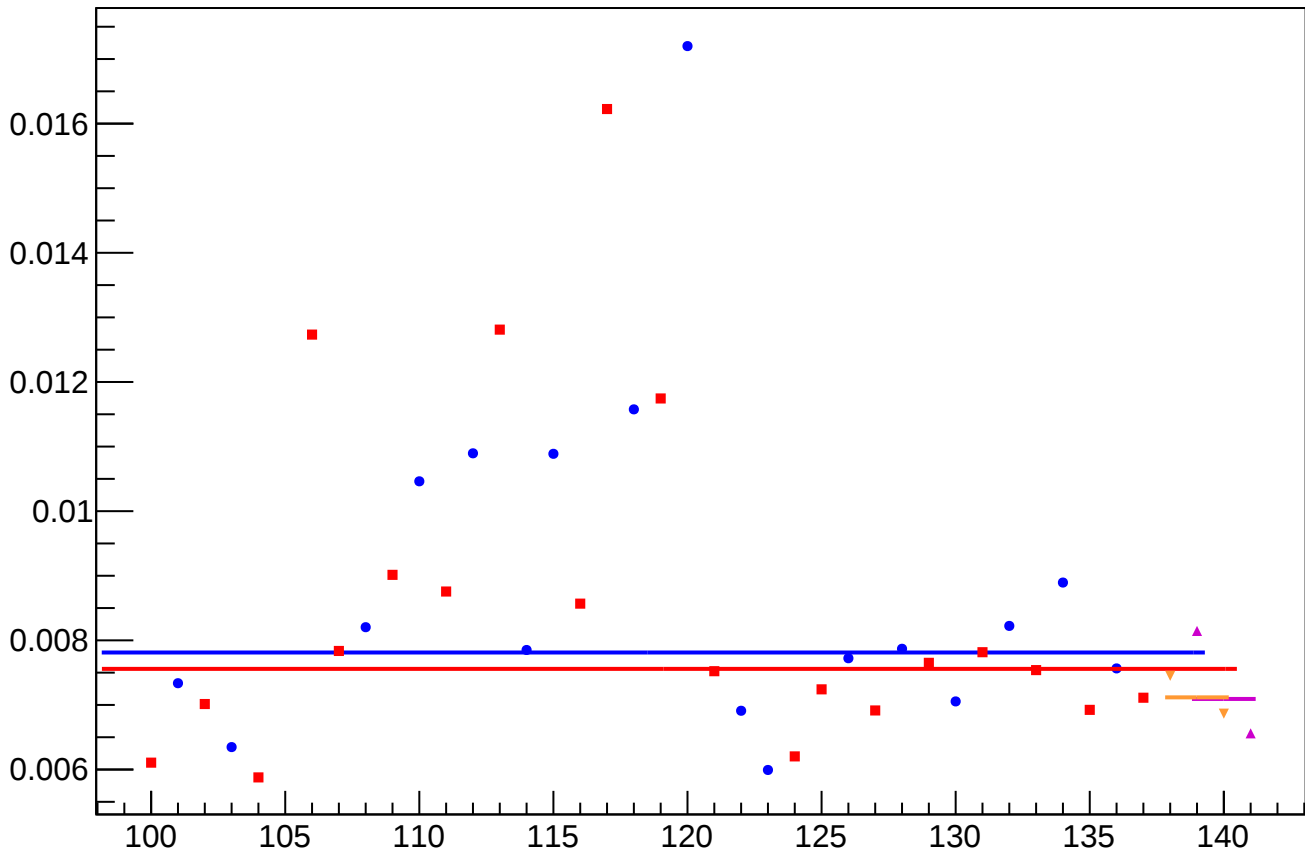
0.624+/-0.000 χ^2/NDF : 5477333285.3/18

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 : 4472.9/1

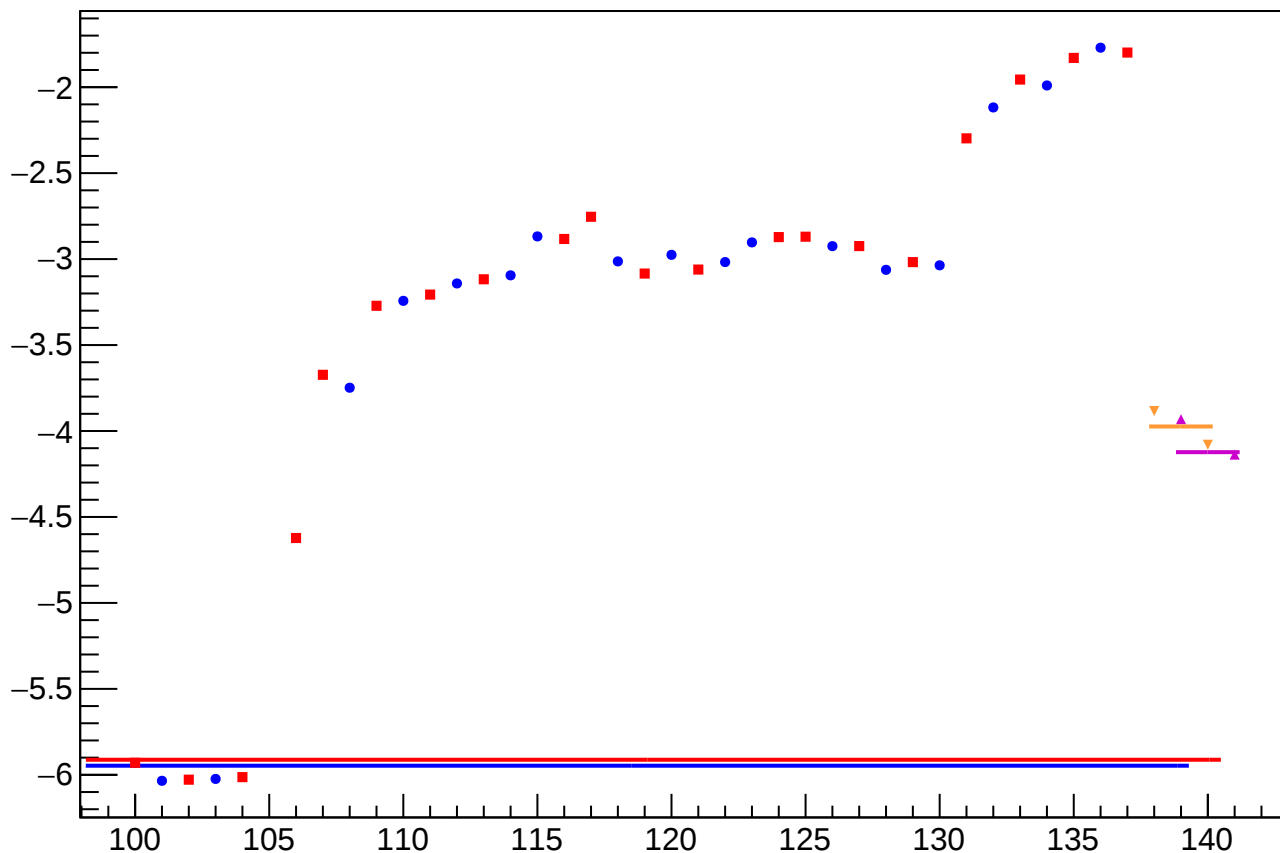
Right Out: 0.008 ± 0.000 χ^2/NDF : 463232.7/19

Left In: 0.007 ± 0.000 χ^2/NDF : 31485.2/1

0.008 ± 0.000 χ^2/NDF : 491341.9/18

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: -3.974+/-0.000 χ^2/NDF : 1916837.4/1

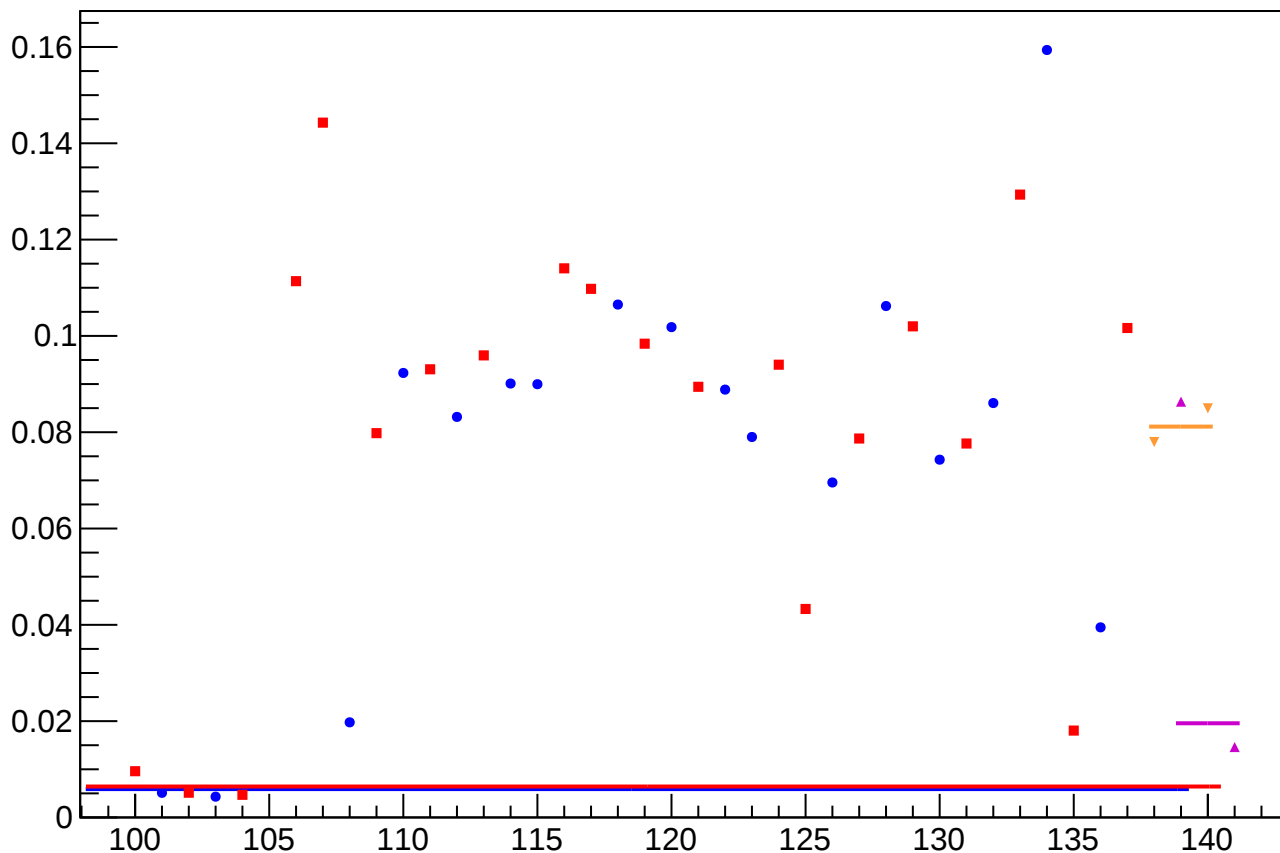
Right Out: -5.912+/-0.000 χ^2/NDF : 14648055548.9/19

Left In: -4.123+/-0.000 χ^2/NDF : 2548765.3/1

-5.939+/-0.000 χ^2/NDF : 13945772453.6/18

-5.869+/-0.000 χ^2/NDF : 17579548284.1/21

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 7934545.2/16

Left Out: 0.081+/-0.000 χ^2/NDF : 4883.5/1

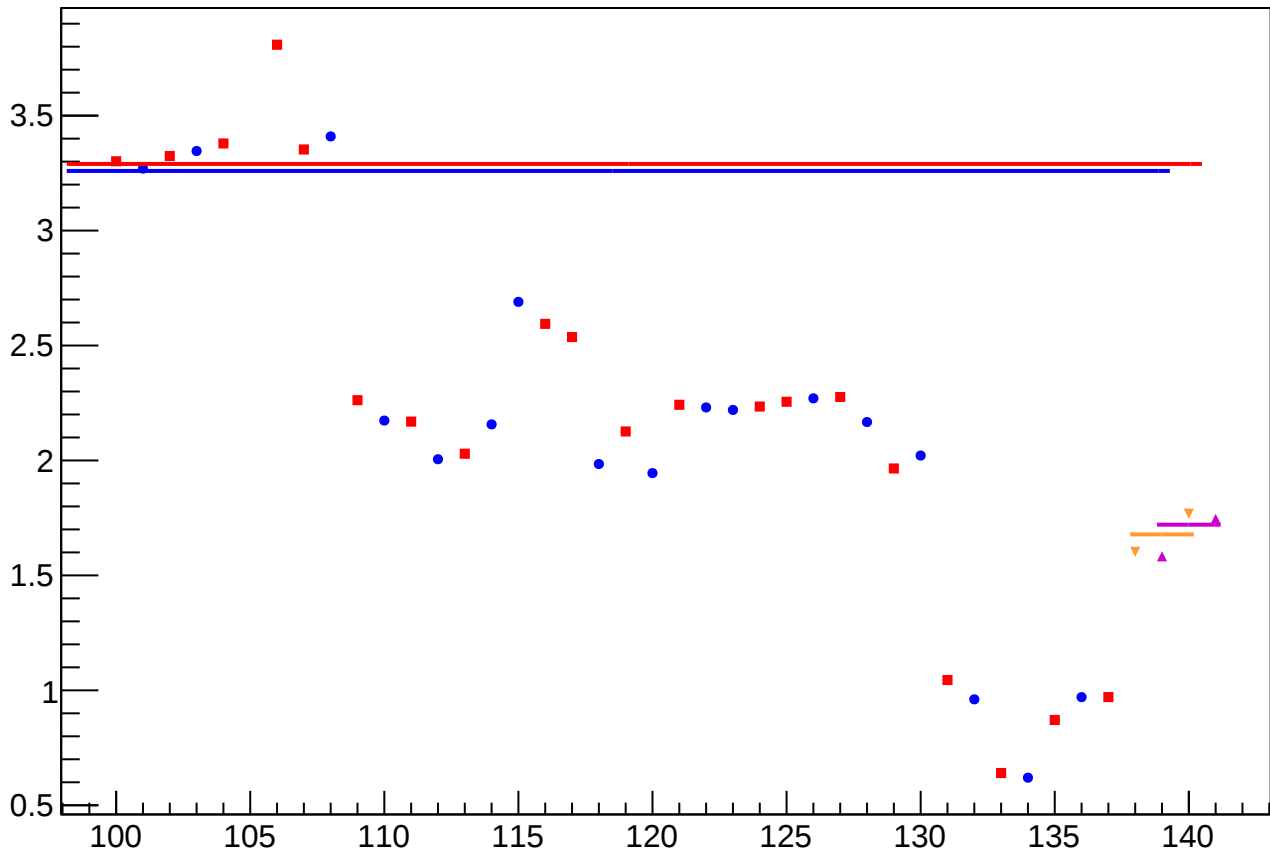
Right Out: 0.006+/-0.000 χ^2/NDF : 8558731.2/19

Left In: 0.020+/-0.000 χ^2/NDF : 618335.0/1

0.006+/-0.000 χ^2/NDF : 10203605.0/18

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: 1.678+/-0.000 χ^2/NDF :1200353.1/1

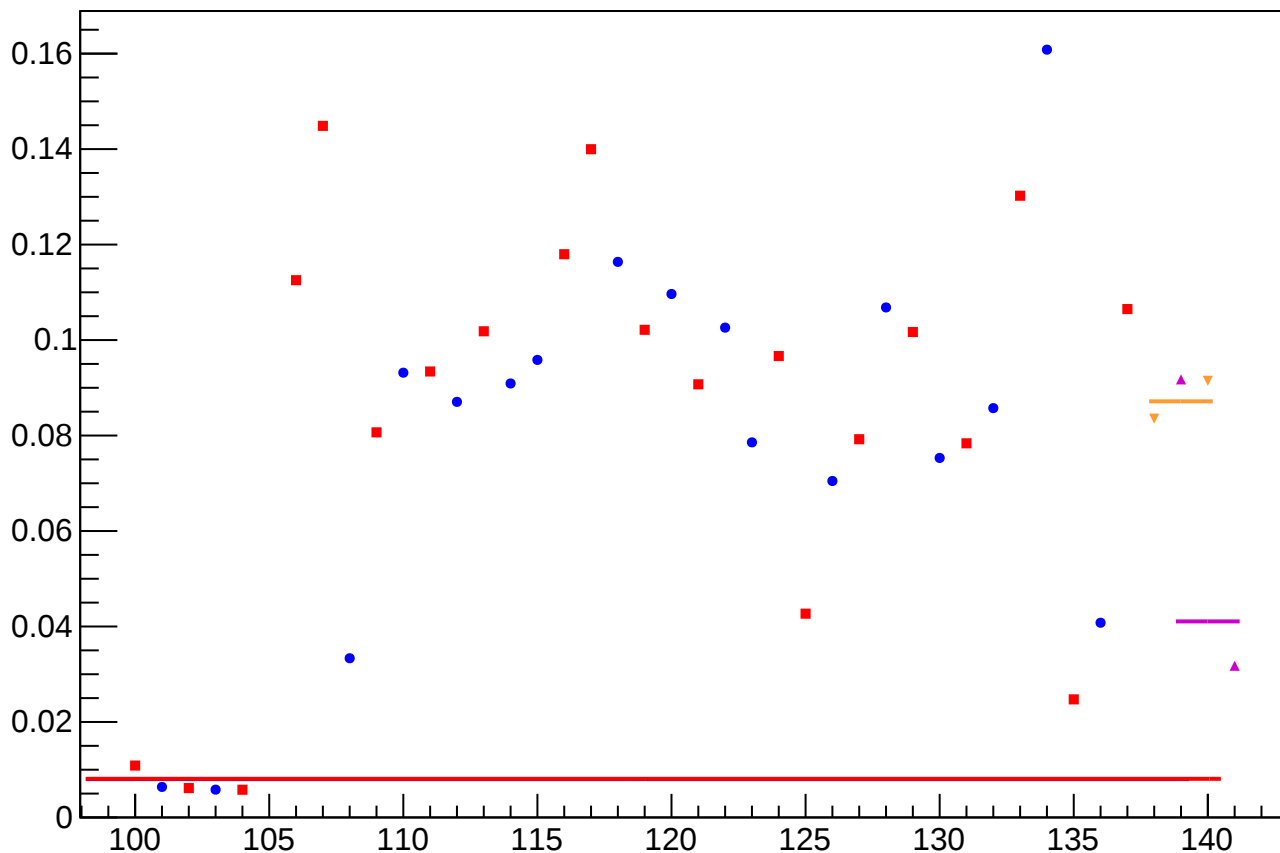
3.250+/-0.000 χ^2/NDF : 3359437249.8/18

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: 0.087+/-0.000 χ^2/NDF : 5496.3/1

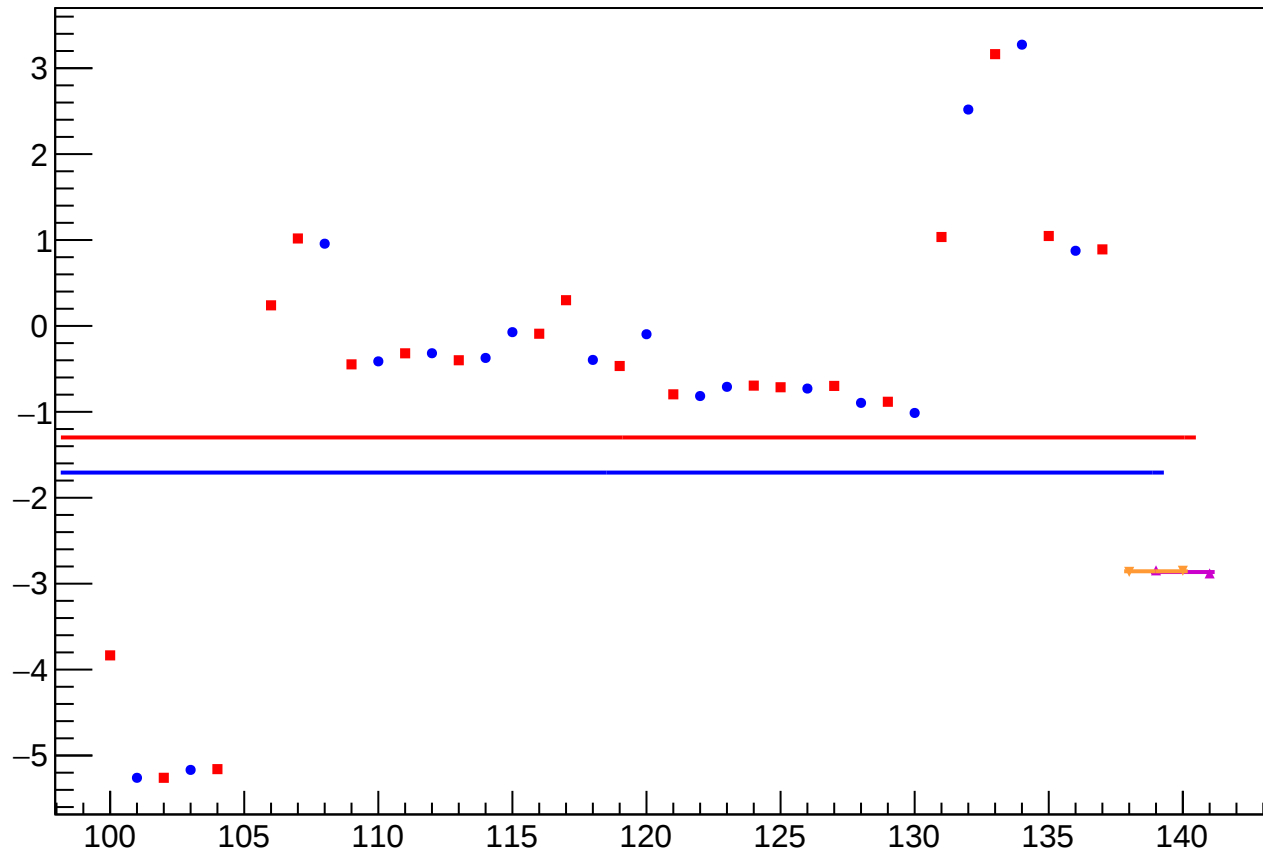
Right Out: 0.008+/-0.000 χ^2/NDF : 8375005.0/19

Left In: 0.041+/-0.000 χ^2/NDF : 355394.4/1

0.009+/-0.000 χ^2/NDF : 9933269.9/18

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: -2.856+/-0.000 χ^2/NDF : 1062535.6/1

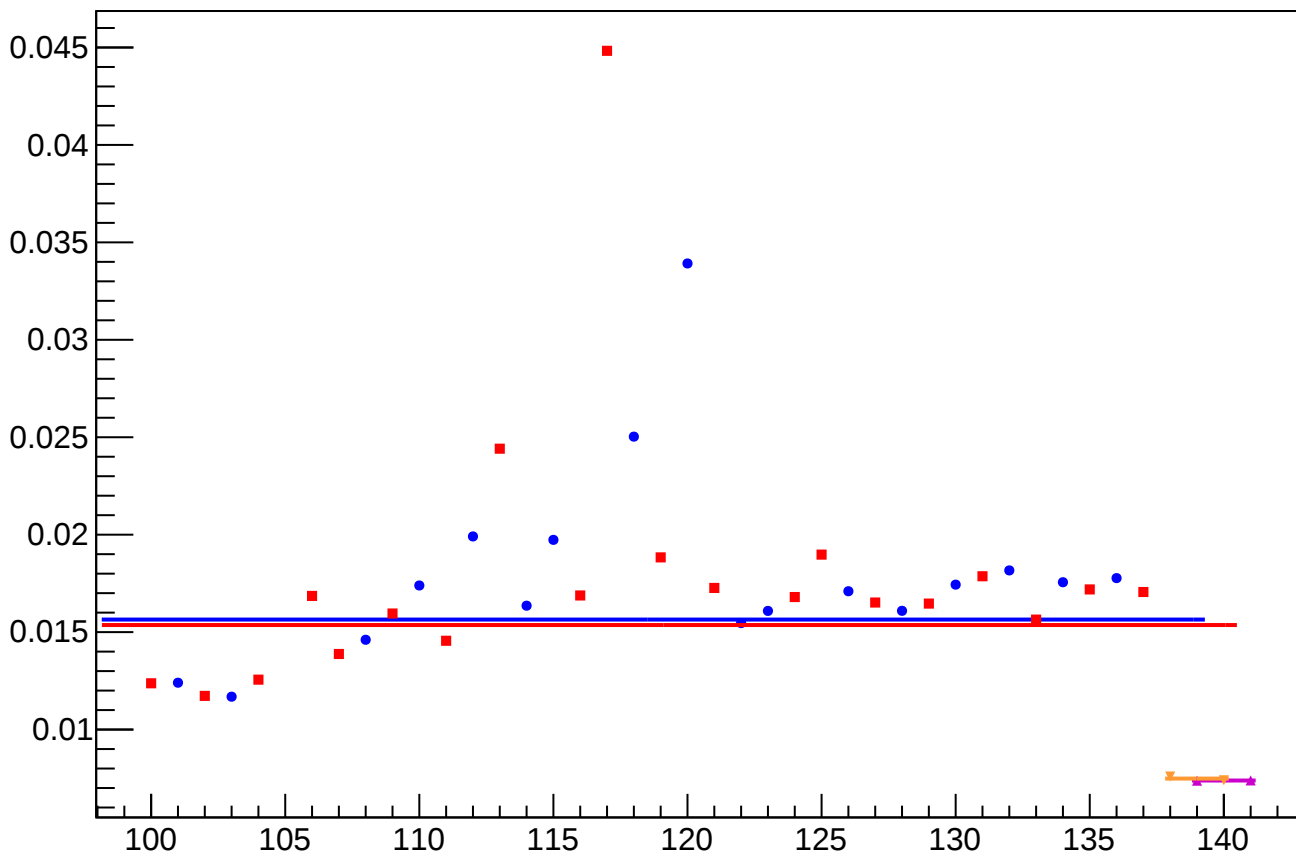
Right Out: -1.298+/-0.000 χ^2/NDF : 178085926993.4/19

Left In: -2.865+/-0.000 χ^2/NDF : 8635989.3/1

-2.318+/-0.000 χ^2/NDF : 182205499538.4/18

-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 : 483.1/1

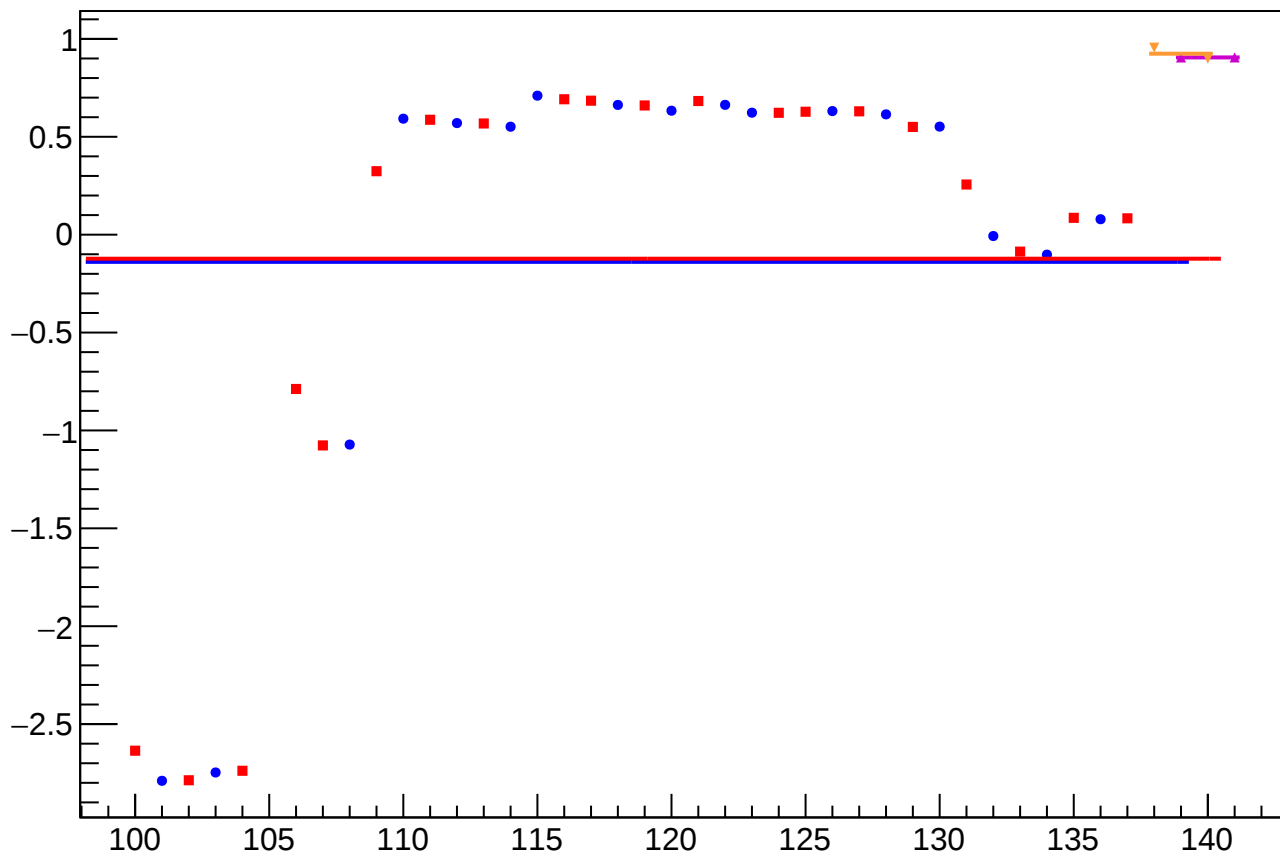
Right Out: 0.015+/-0.000 χ^2/NDF : 387283.2/19

Left In: 0.007+/-0.000 χ^2/NDF : 2.6/1

0.011+/-0.000 χ^2/NDF : 2201140.0/18

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: 0.924+/-0.000 χ^2/NDF :22454900.4/1

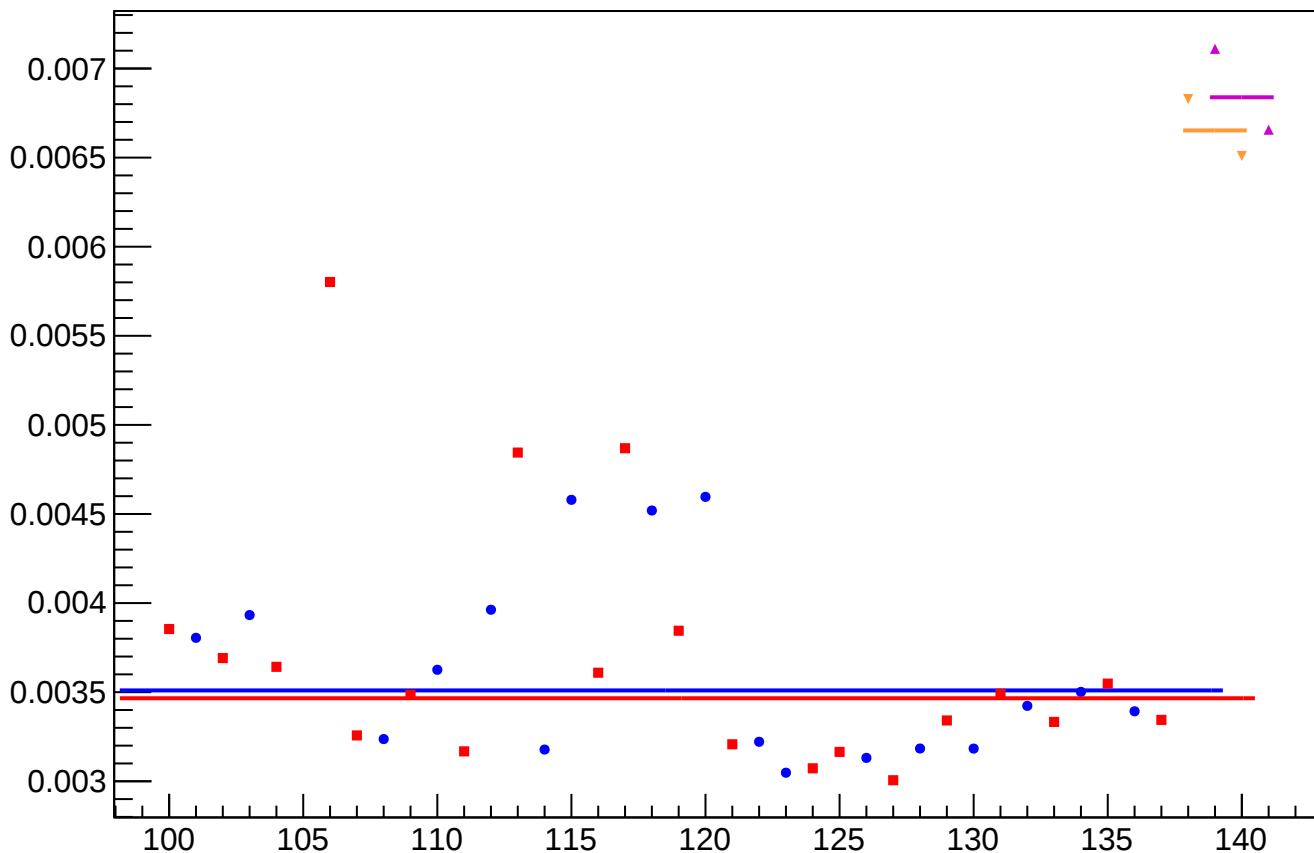
Right Out: -0.123+/-0.000 χ^2/NDF : 762580598699.5/19

Left In: 0.905+/-0.000 χ^2/NDF :178.8/1

-0.081+/-0.000 χ^2/NDF : 746385803017.4/18

-0.072+/-0.000 χ^2/NDF : 792172098763.5/21

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 171337.9/16

Left Out: 0.007+/-0.000 χ^2/NDF :1480.5/1

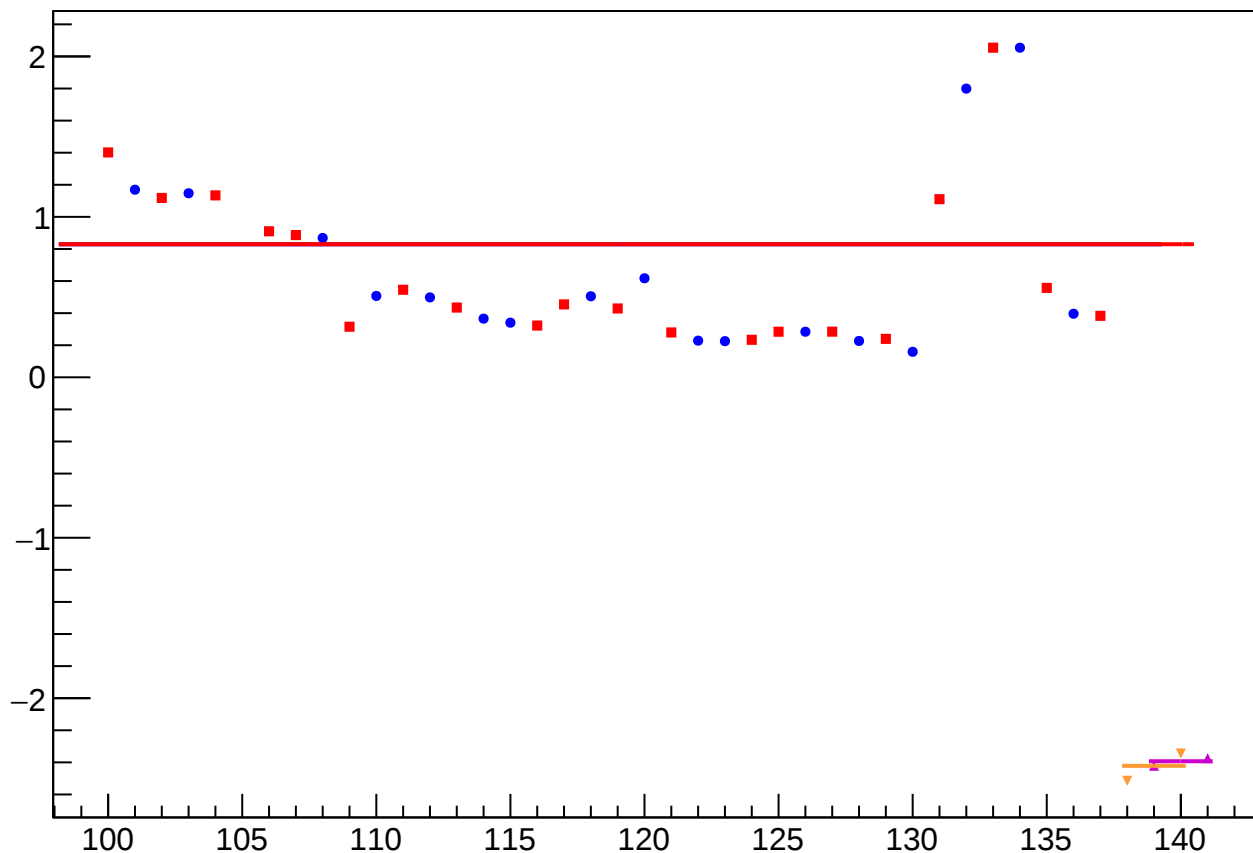
Right Out: 0.003+/-0.000 χ^2/NDF : 222524.1/19

Left In: 0.007+/-0.000 χ^2/NDF :2913.7/1

0.004+/-0.000 χ^2/NDF : 719936.2/18

0.004+/-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: -2.422+/-0.000 χ^2/NDF : 216099854.8/1

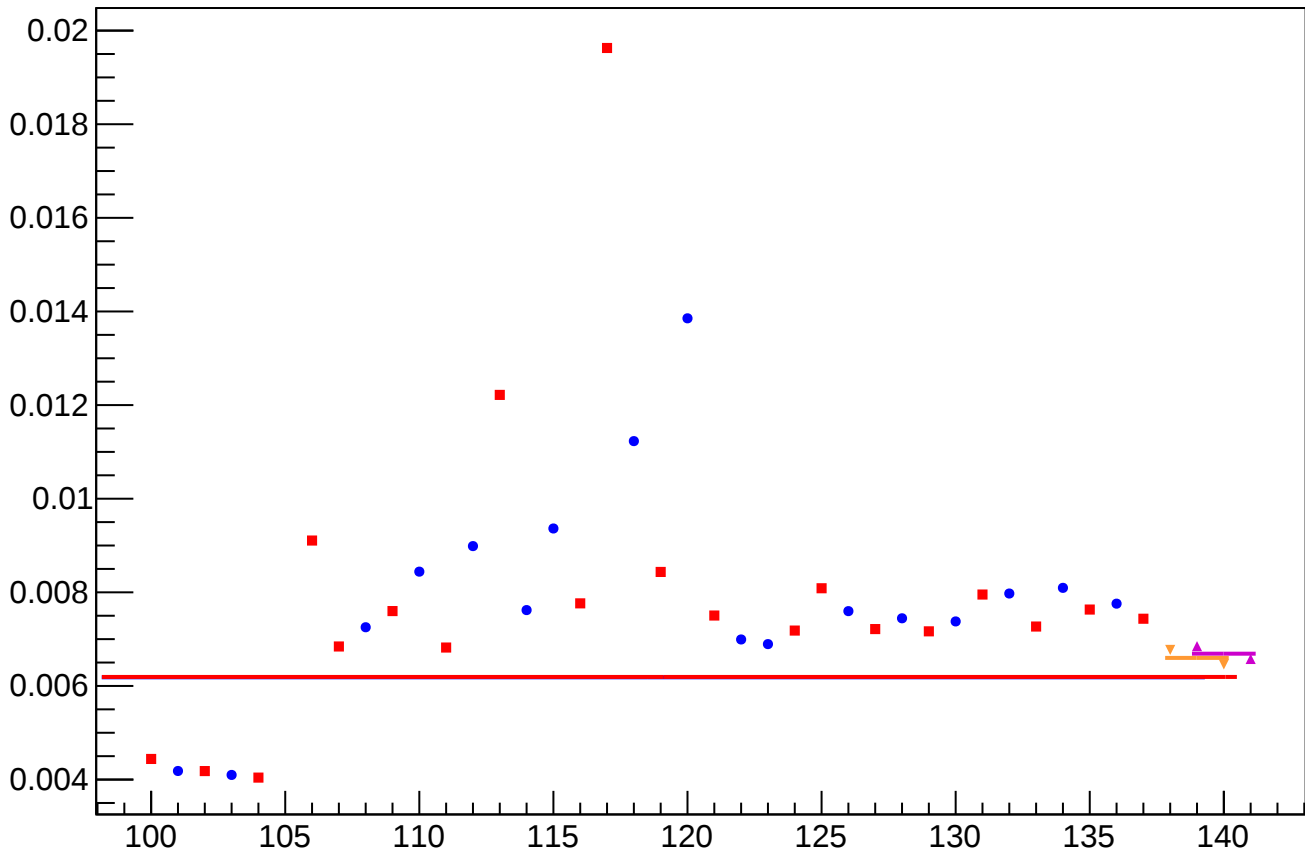
Right Out: 0.830+/-0.000 χ^2/NDF : 33349713412.0/19

Left In: -2.393+/-0.000 χ^2/NDF : 16915364.7/1

0.248+/-0.000 χ^2/NDF : 294236906507.3/18

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 :1450.6/1

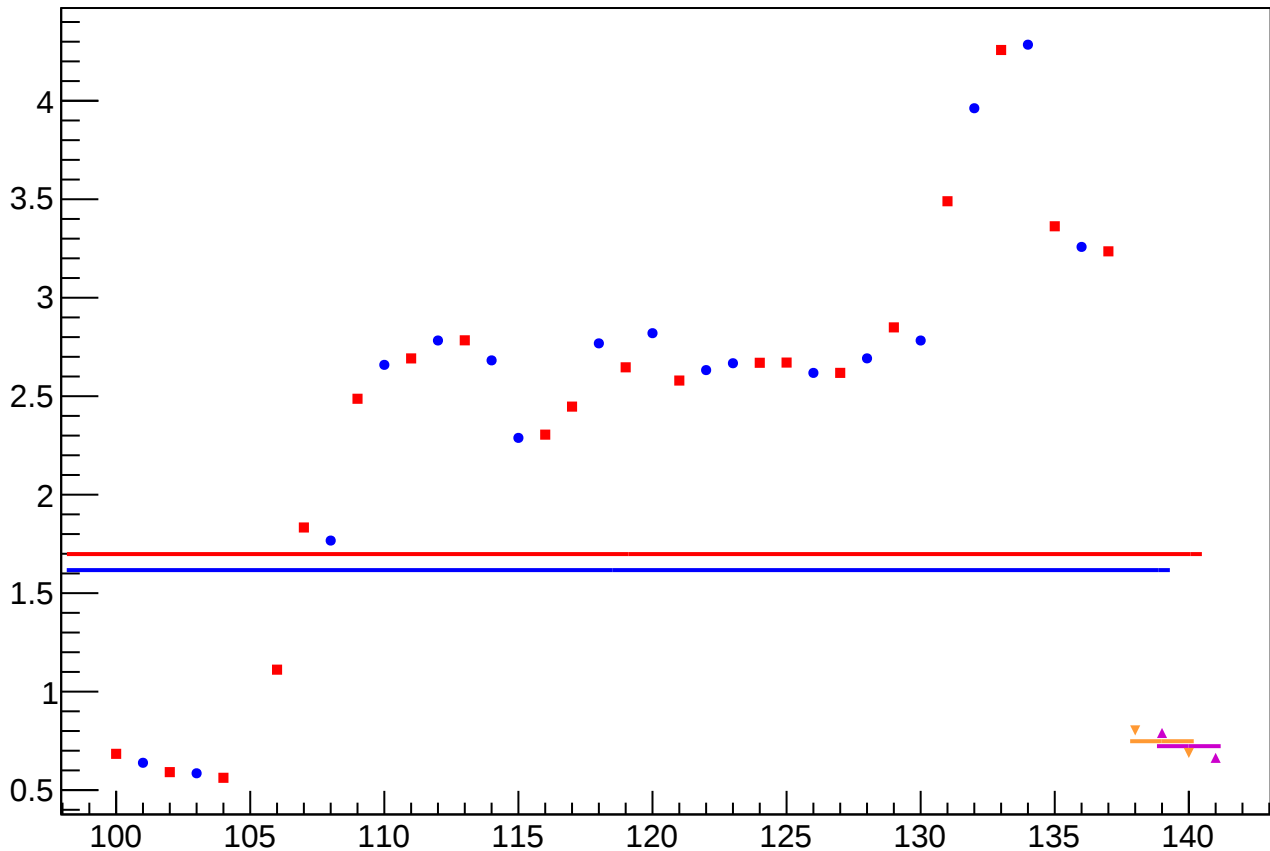
Right Out: 0.006+/-0.000 χ^2/NDF : 1062886.2/19

Left In: 0.007+/-0.000 χ^2/NDF :1143.9/1

0.006+/-0.000 χ^2/NDF : 1238939.6/18

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: 0.748+/-0.000 χ^2/NDF :109189370.4/1

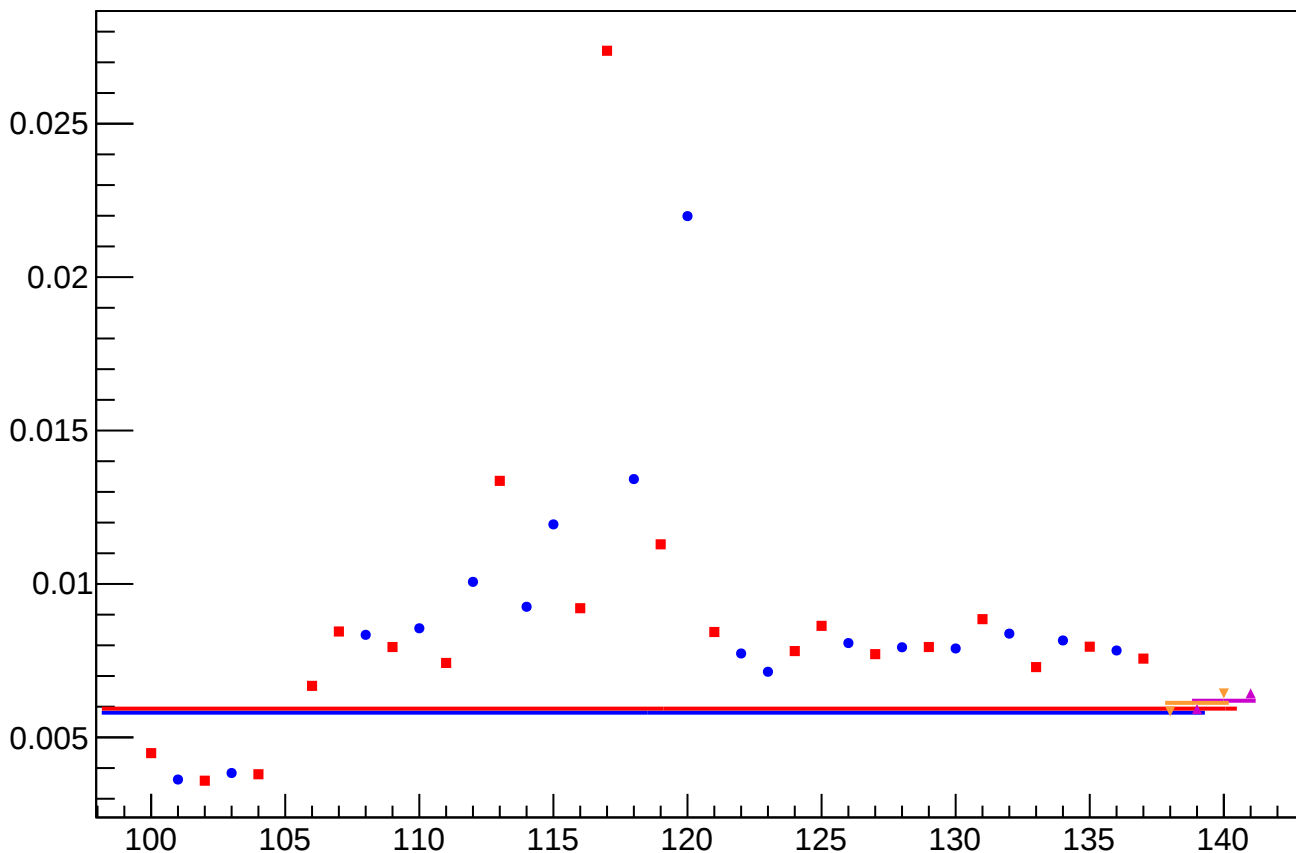
1.453+/-0.000 χ^2/NDF : 223405703991.6/18

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 : 5763.6/1

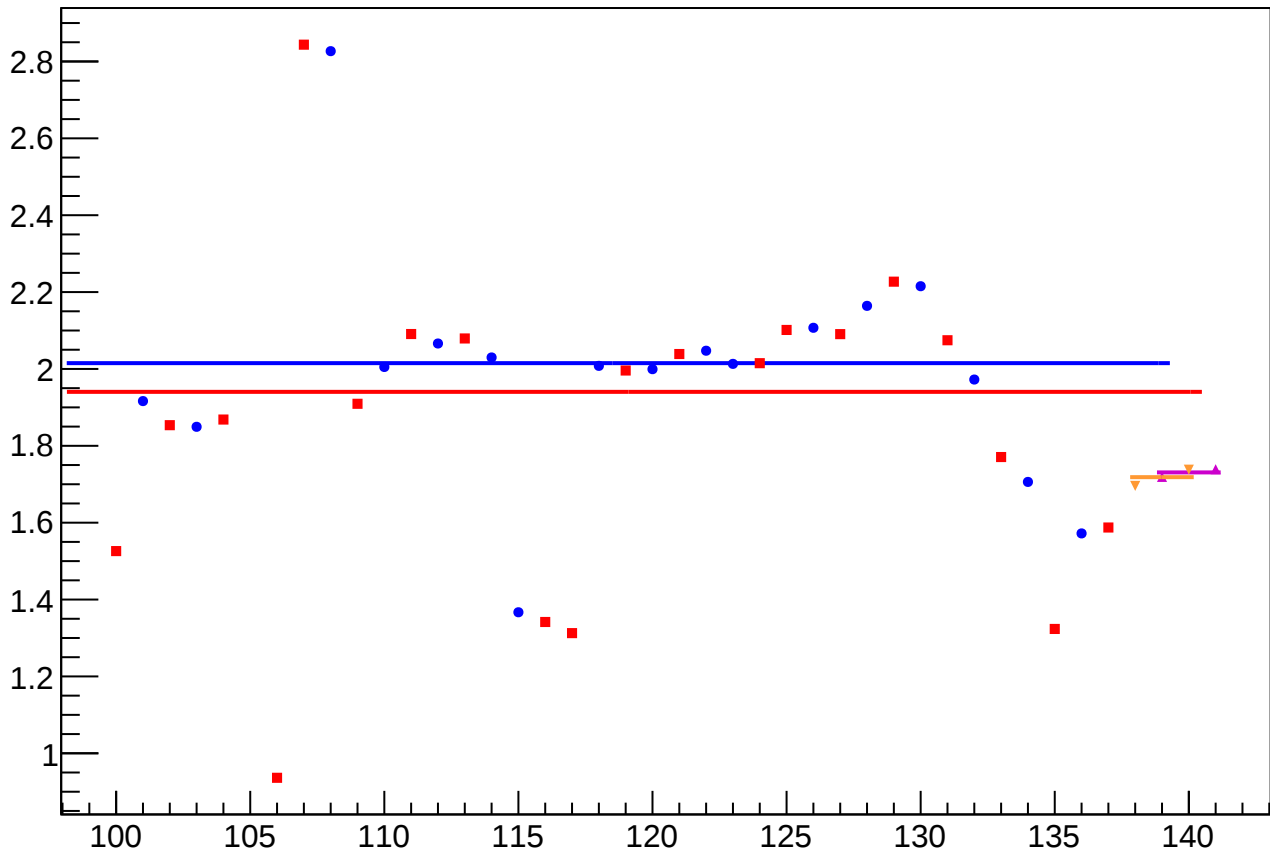
Right Out: 0.006+/-0.000 χ^2/NDF : 1731283.0/19

Left In: 0.006+/-0.000 χ^2/NDF : 4520.9/1

0.006+/-0.000 χ^2/NDF : 1929285.3/18

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: 1.718+/-0.000 χ^2/NDF : 8912872.0/1

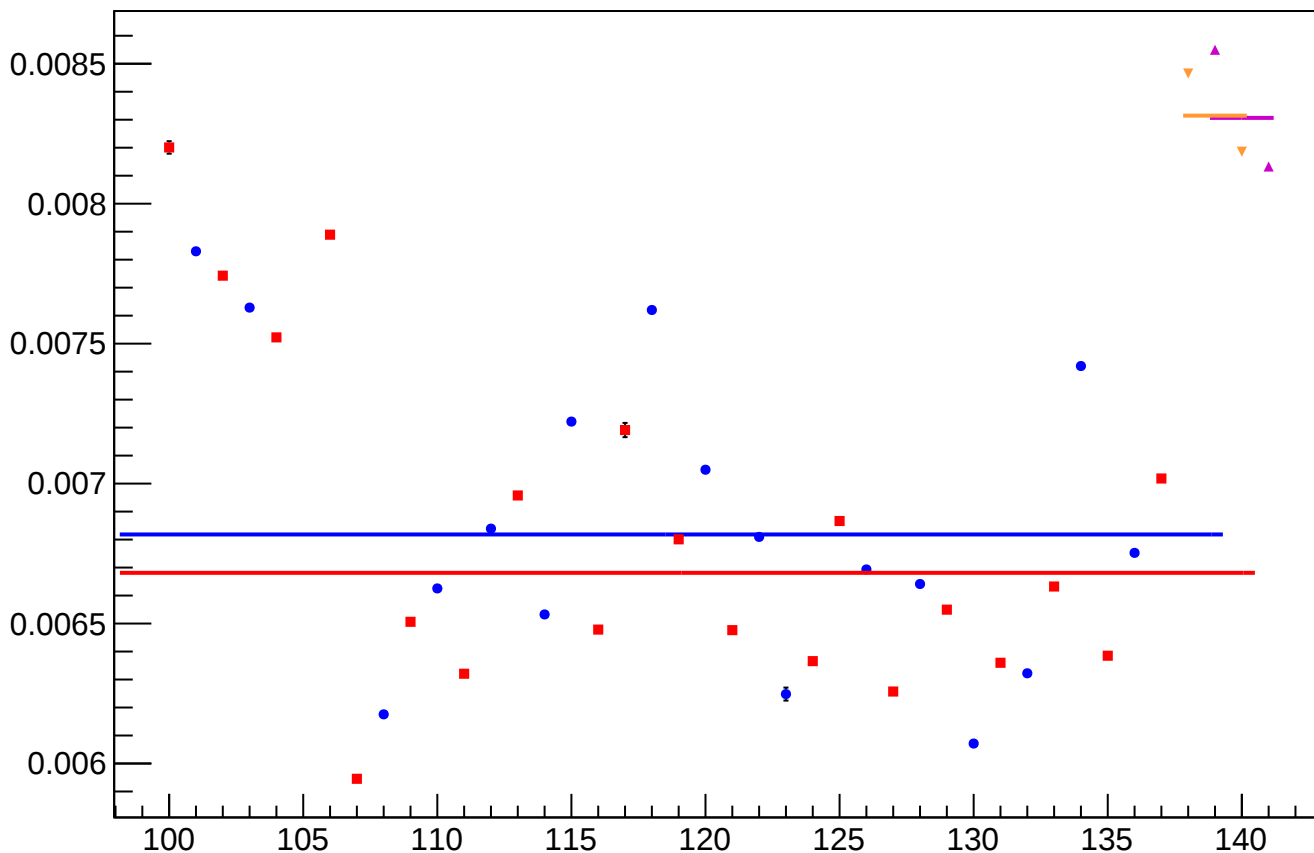
1.977+/-0.000 χ^2/NDF : 13785532017.3/18

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 : 782.9/1

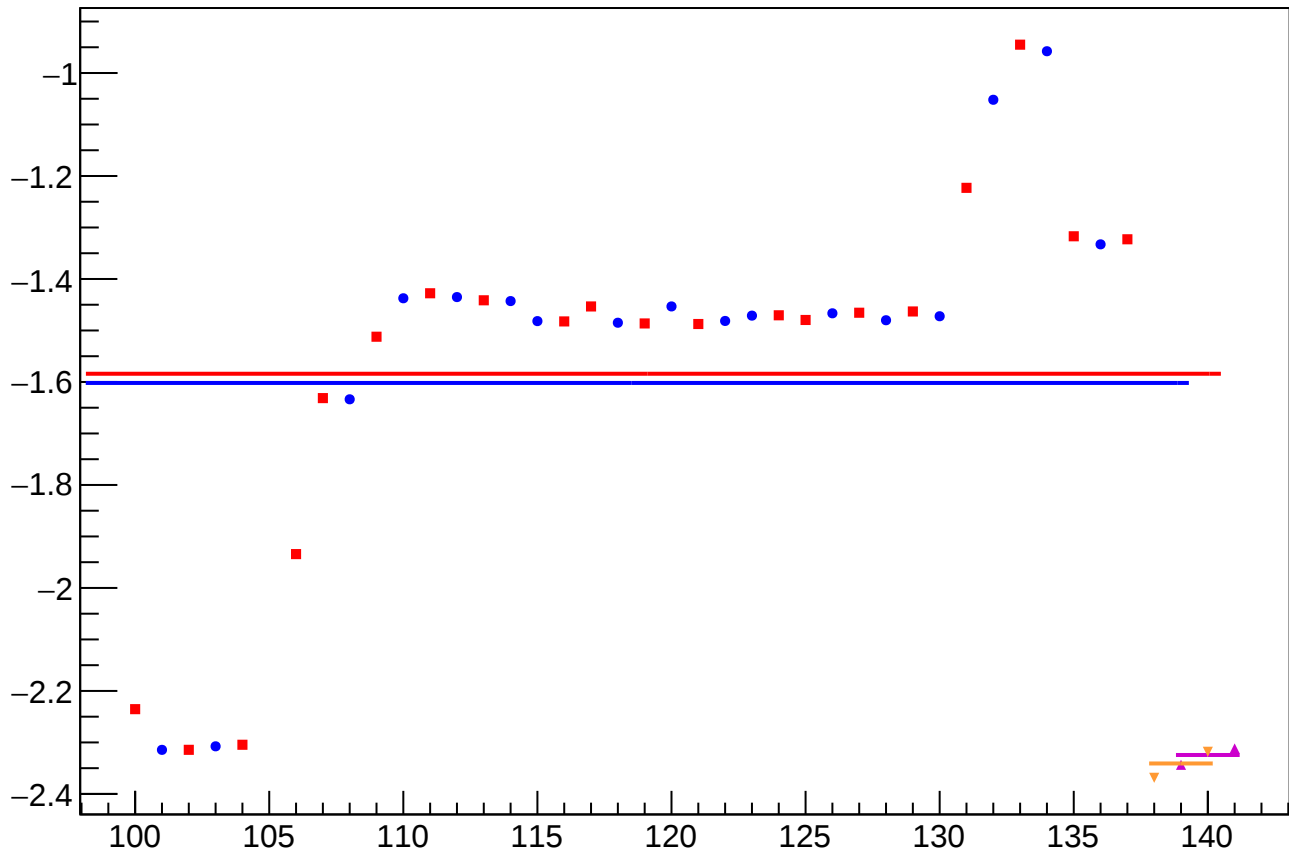
Right Out: 0.007+/-0.000 χ^2/NDF : 76121.2/19

Left In: 0.008+/-0.000 χ^2/NDF : 1794.2/1

0.007+/-0.000 χ^2/NDF : 155370.5/18

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: -2.341+/-0.000 χ^2/NDF : 107227949.0/1

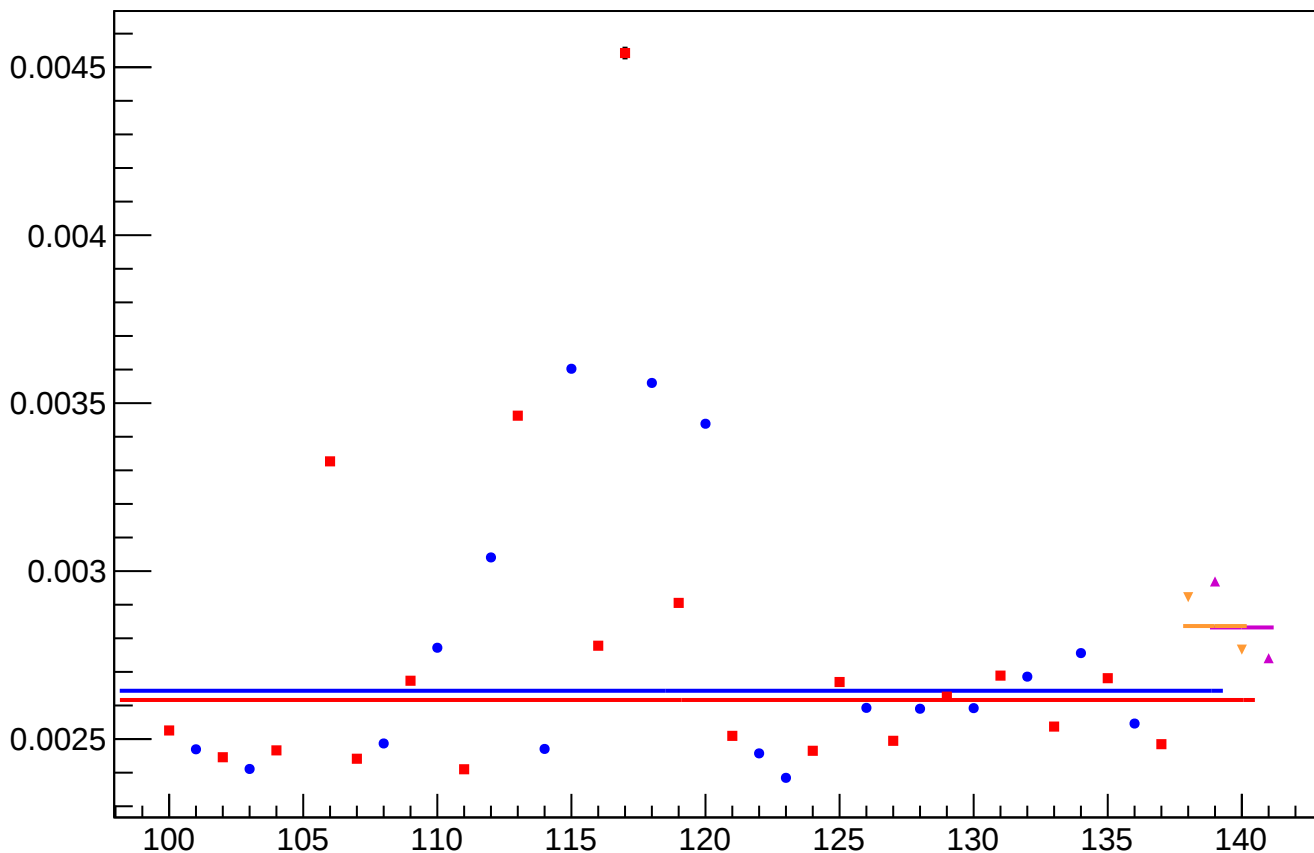
-1.719+/-0.000 χ^2/NDF : 218208297588.7/18

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 :2044.7/1

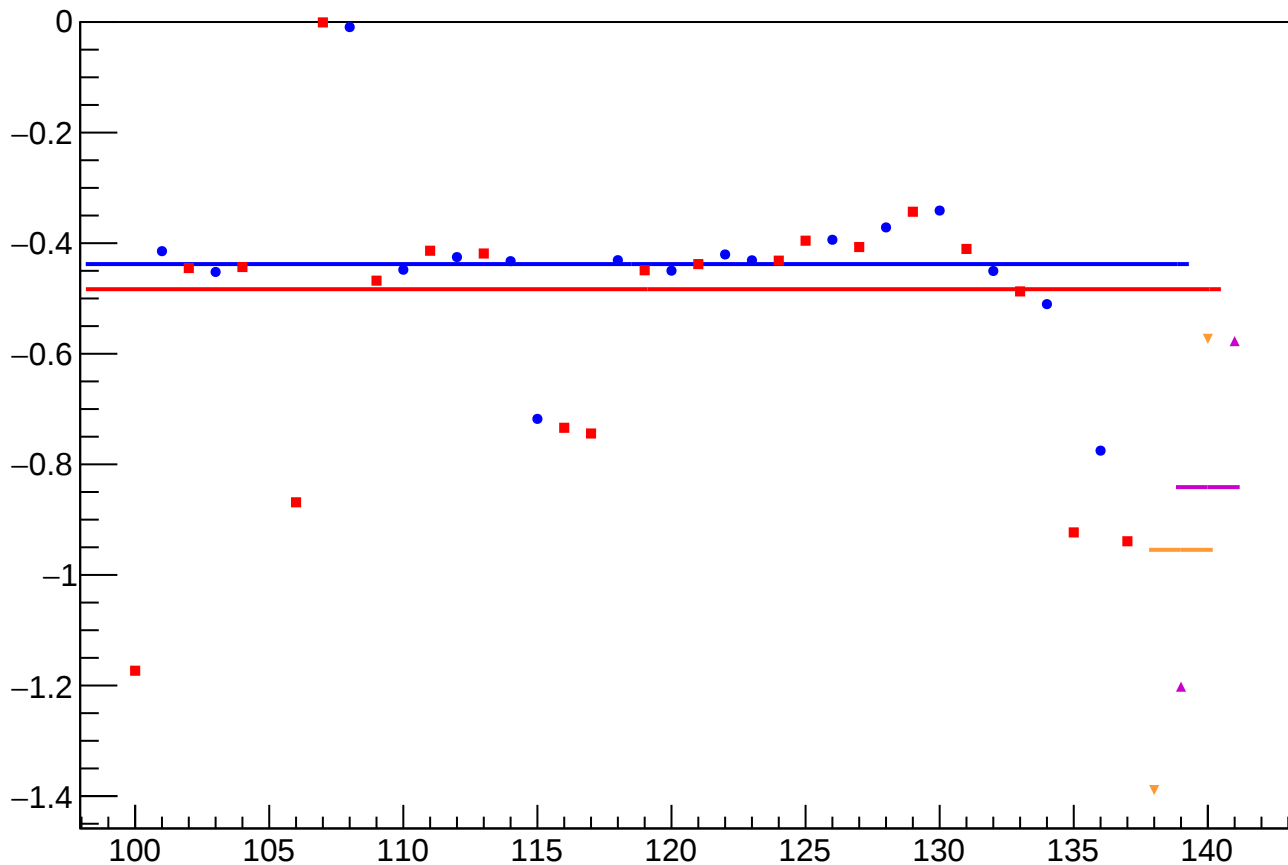
Right Out: 0.003+/-0.000 χ^2/NDF : 119852.1/19

Left In: 0.003+/-0.000 χ^2/NDF :4501.6/1

0.003+/-0.000 χ^2/NDF : 164018.8/18

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: -0.955 ± 0.000 χ^2/NDF : 1157688009.6/1

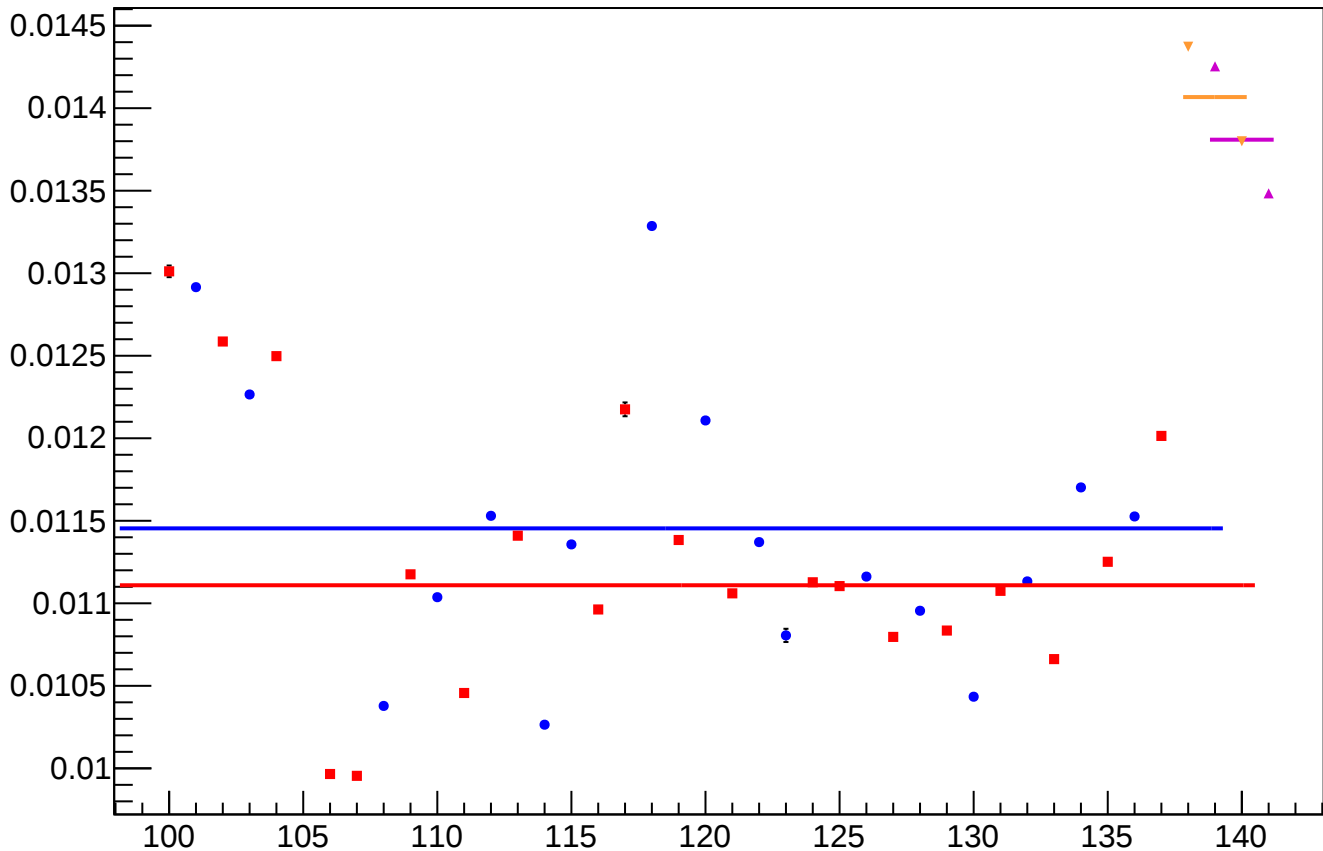
Right Out: -0.483 ± 0.000 χ^2/NDF : 2714164016.2/19

Left In: -0.841 ± 0.000 χ^2/NDF : 724684186.7/1

-0.502 ± 0.000 χ^2/NDF : 4253784856.2/18

-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 :1141.6/1

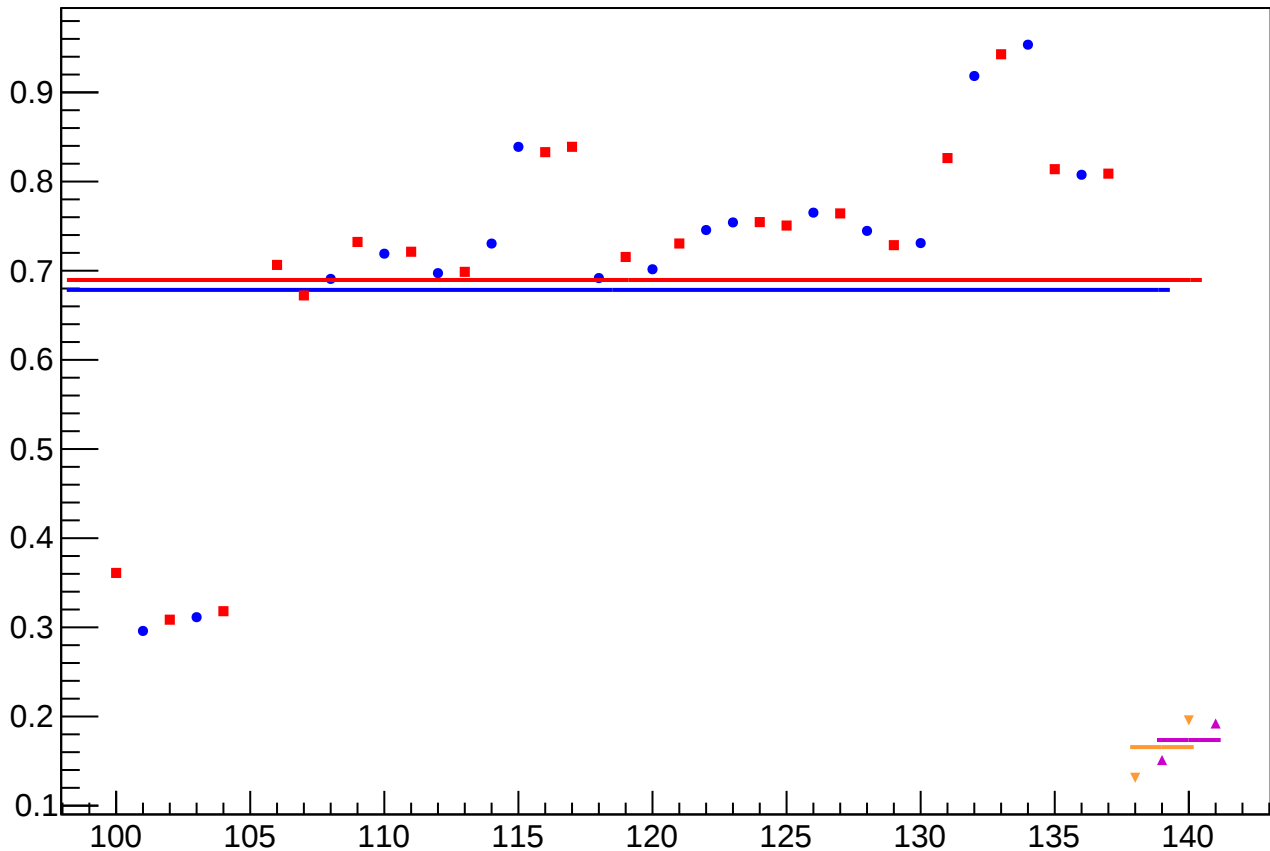
Right Out: 0.011+/-0.000 χ^2/NDF : 56696.9/19

Left In: 0.014+/-0.000 χ^2/NDF :2198.3/1

0.012+/-0.000 χ^2/NDF : 149382.9/18

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: 0.166+/-0.000 χ^2/NDF : 361151382.8/1

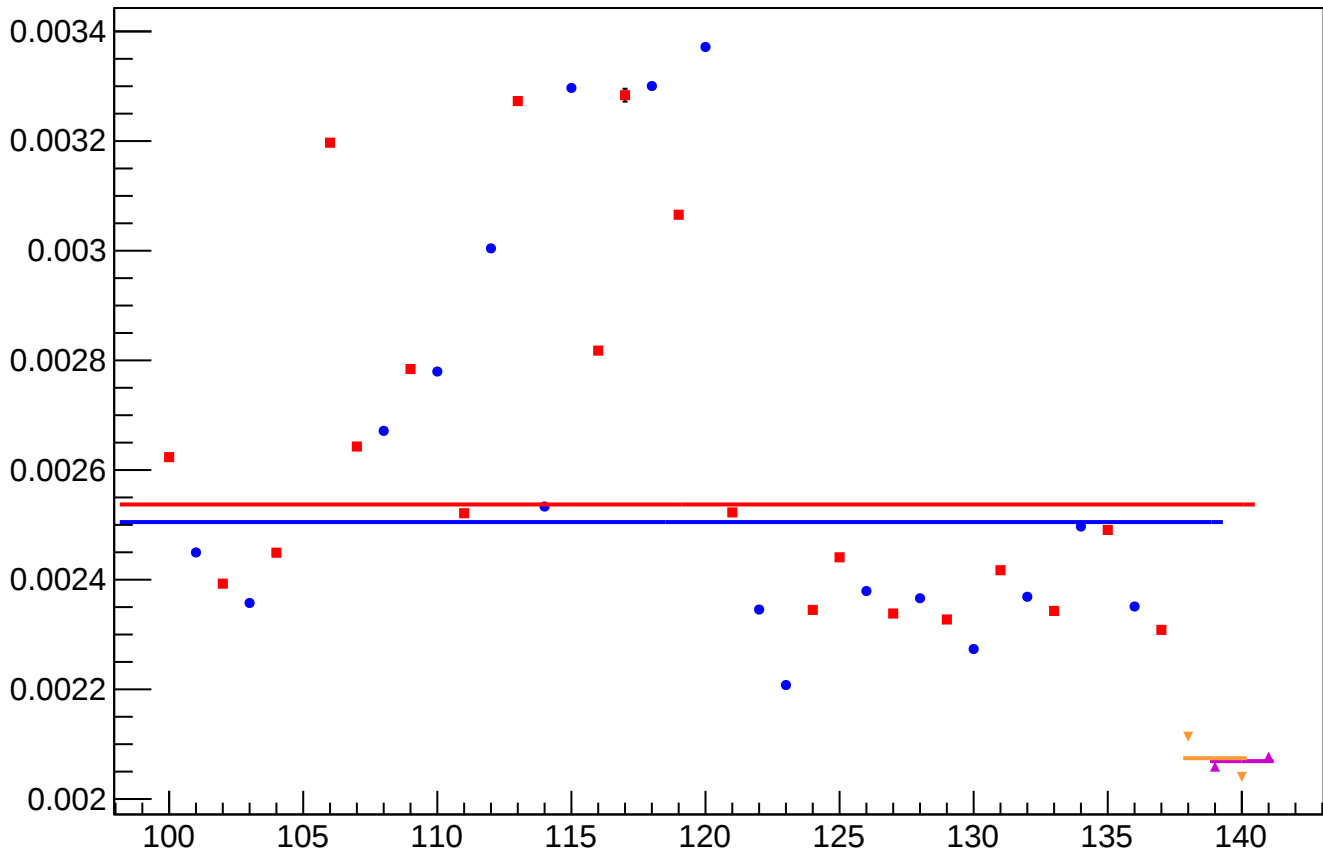
0.547+/-0.000 χ^2/NDF : 107314850613.5/18

Right Out: 0.690+/-0.000 χ^2/NDF : 35439496983.3/19

0.559+/-0.000 χ^2/NDF : 105959779500.3/21

Left In: 0.174+/-0.000 χ^2/NDF : 147095783.2/1

yield_bpm0l07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2/NDF : 175524.0/16

Left Out: 0.002 $\pm$ 0.000 χ^2/NDF : 935.8/1

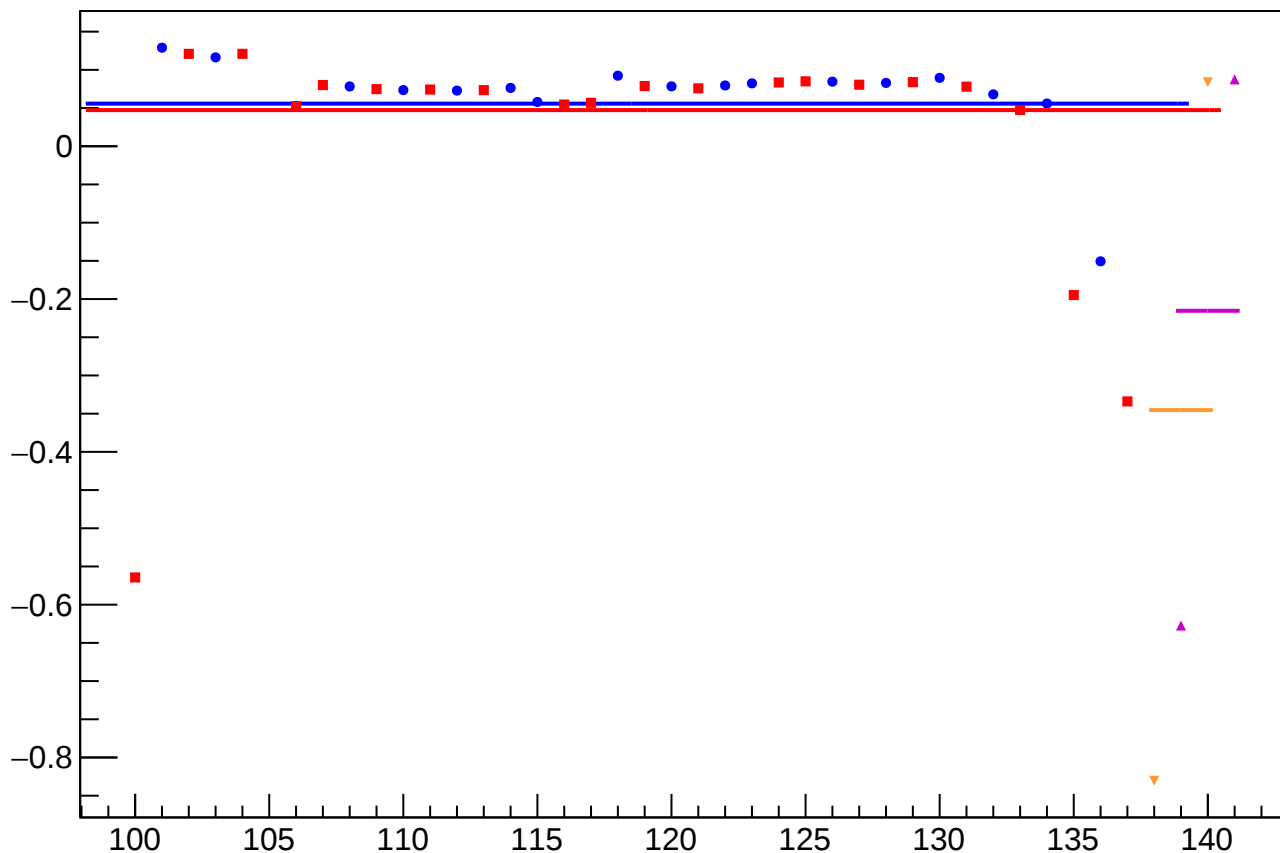
Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 135649.7/19

Left In: 0.002 $\pm$ 0.000 χ^2/NDF : 58.0/1

0.002 $\pm$ 0.000 χ^2/NDF : 273011.1/18

0.002 $\pm$ 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: -0.345+/-0.000 χ^2/NDF : 1794734467.9/1

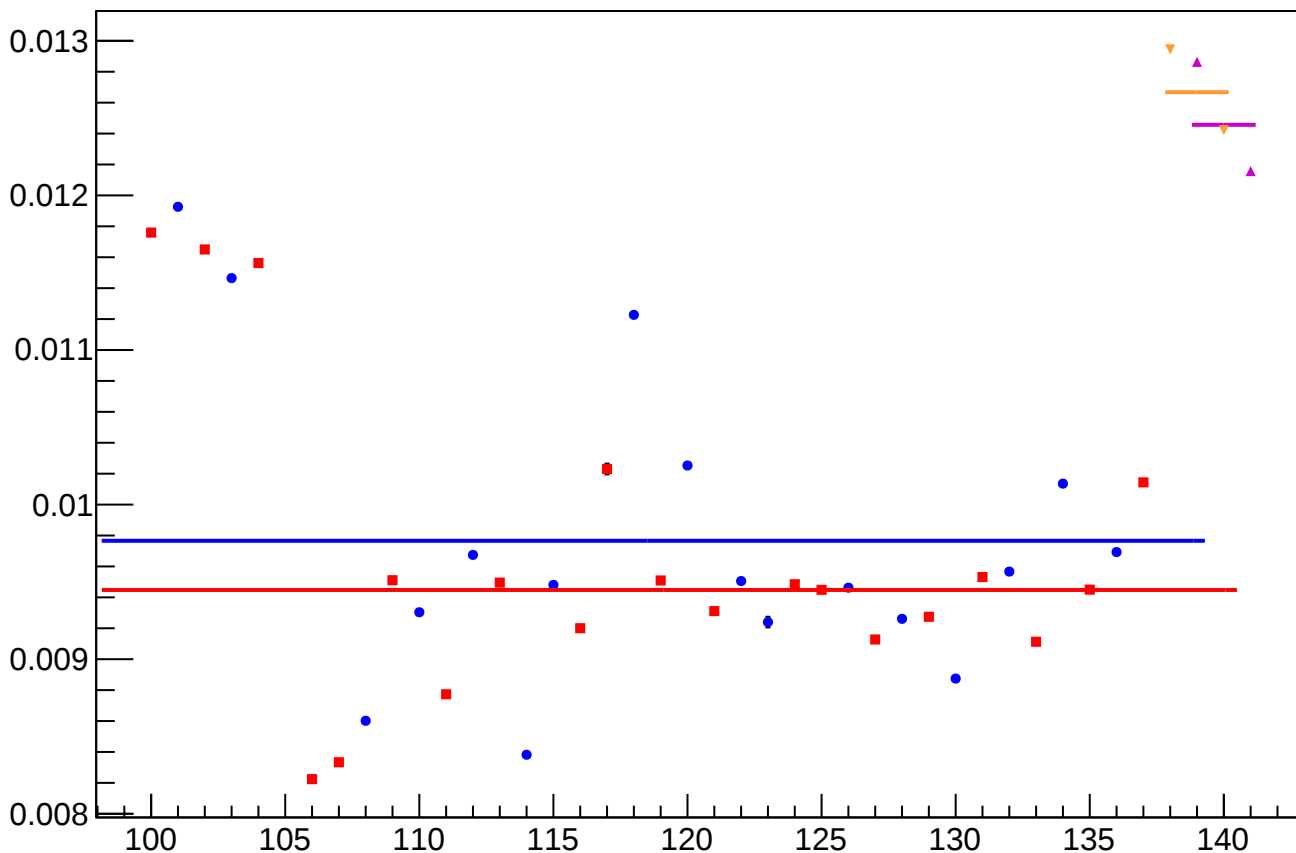
Right Out: 0.047+/-0.000 χ^2/NDF : 819626031.7/19

Left In: -0.215+/-0.000 χ^2/NDF : 1167056650.4/1

0.010+/-0.000 χ^2/NDF : 3447340161.8/18

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 : 1169.6/1

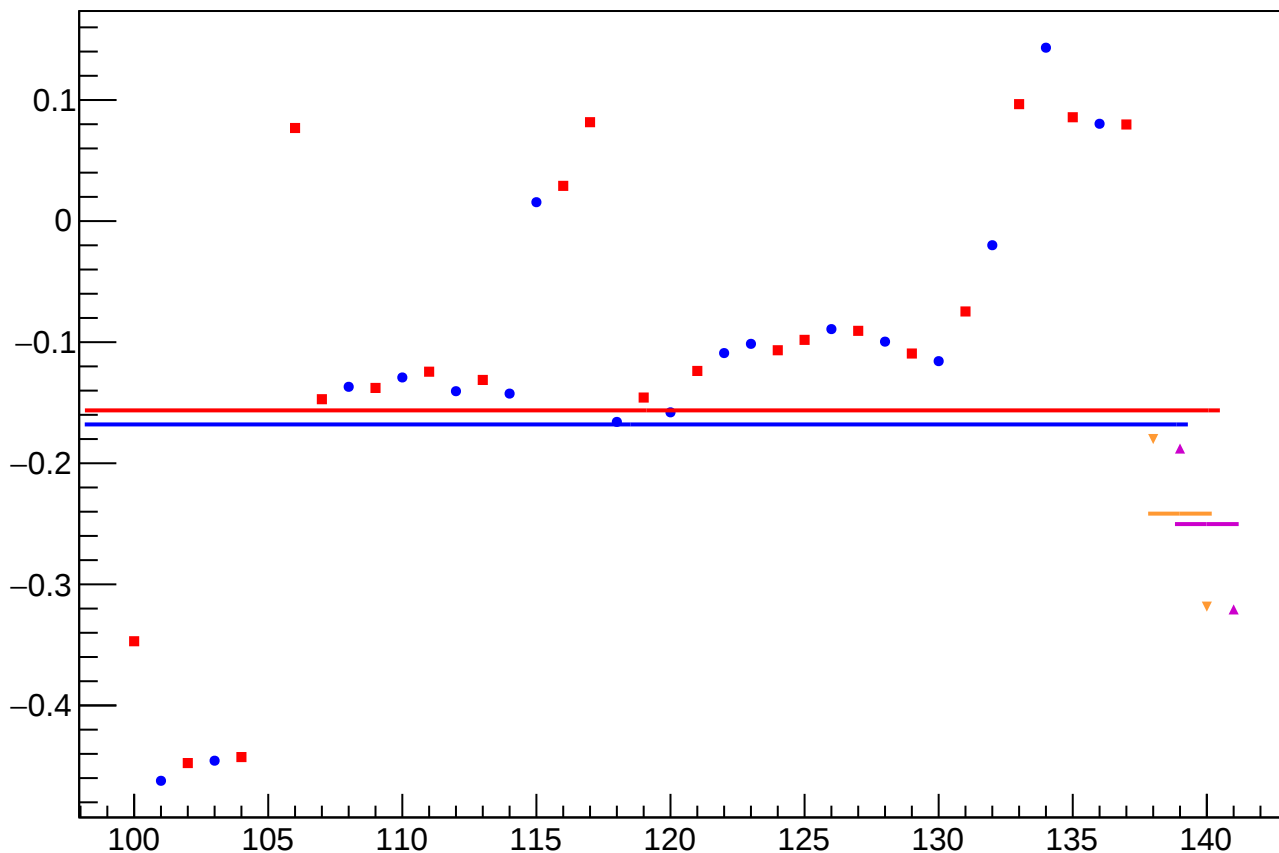
Right Out: 0.009 $\pm$ 0.000 χ^2/NDF : 111197.0/19

Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 2280.8/1

0.010 $\pm$ 0.000 χ^2/NDF : 246535.5/18

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: -0.242 ± 0.000 χ^2/NDF : 795329926.9/1

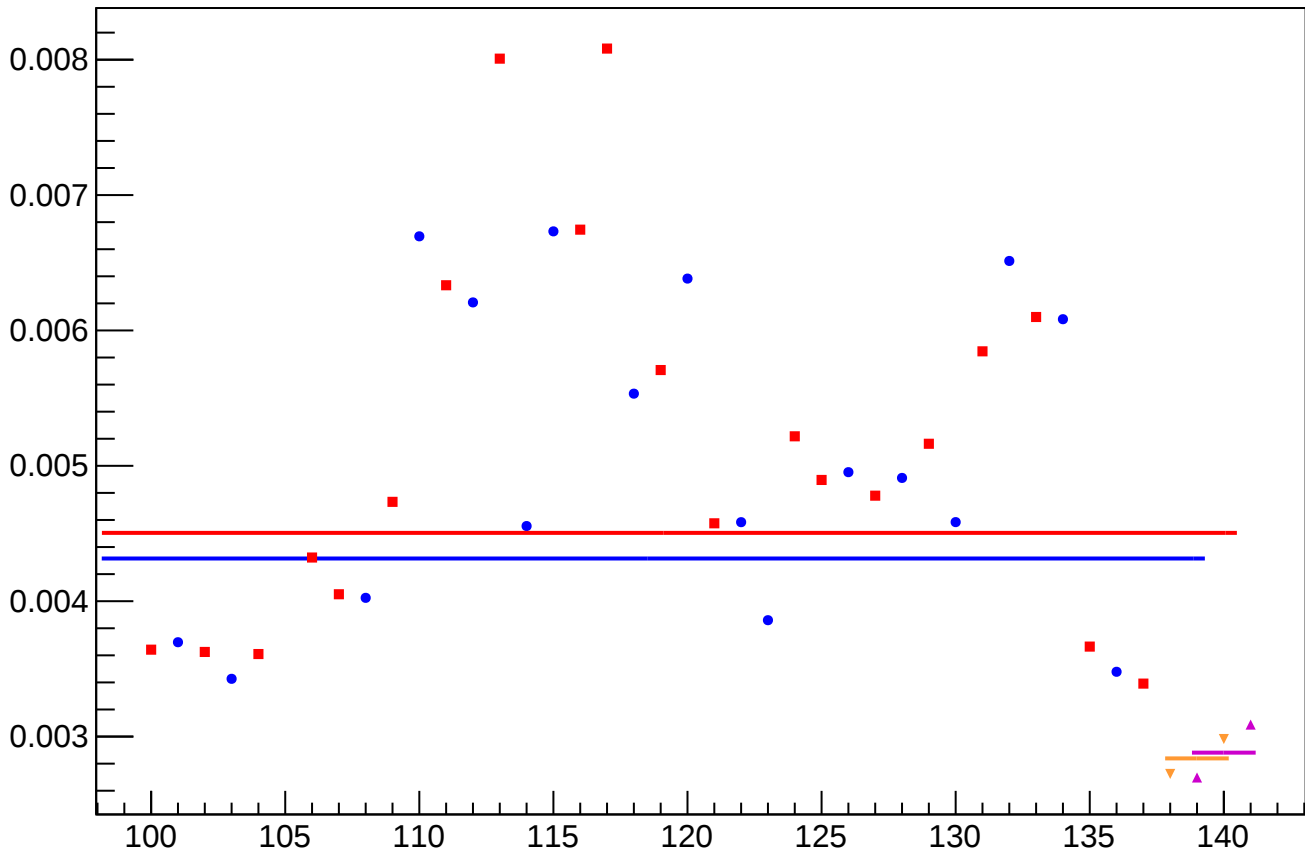
Right Out: -0.156 ± 0.000 χ^2/NDF : 11061140252.3/19

Left In: -0.250 ± 0.000 χ^2/NDF : 753976370.4/1

-0.194 ± 0.000 χ^2/NDF : 13719773795.0/18

-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 : 5520.7/1

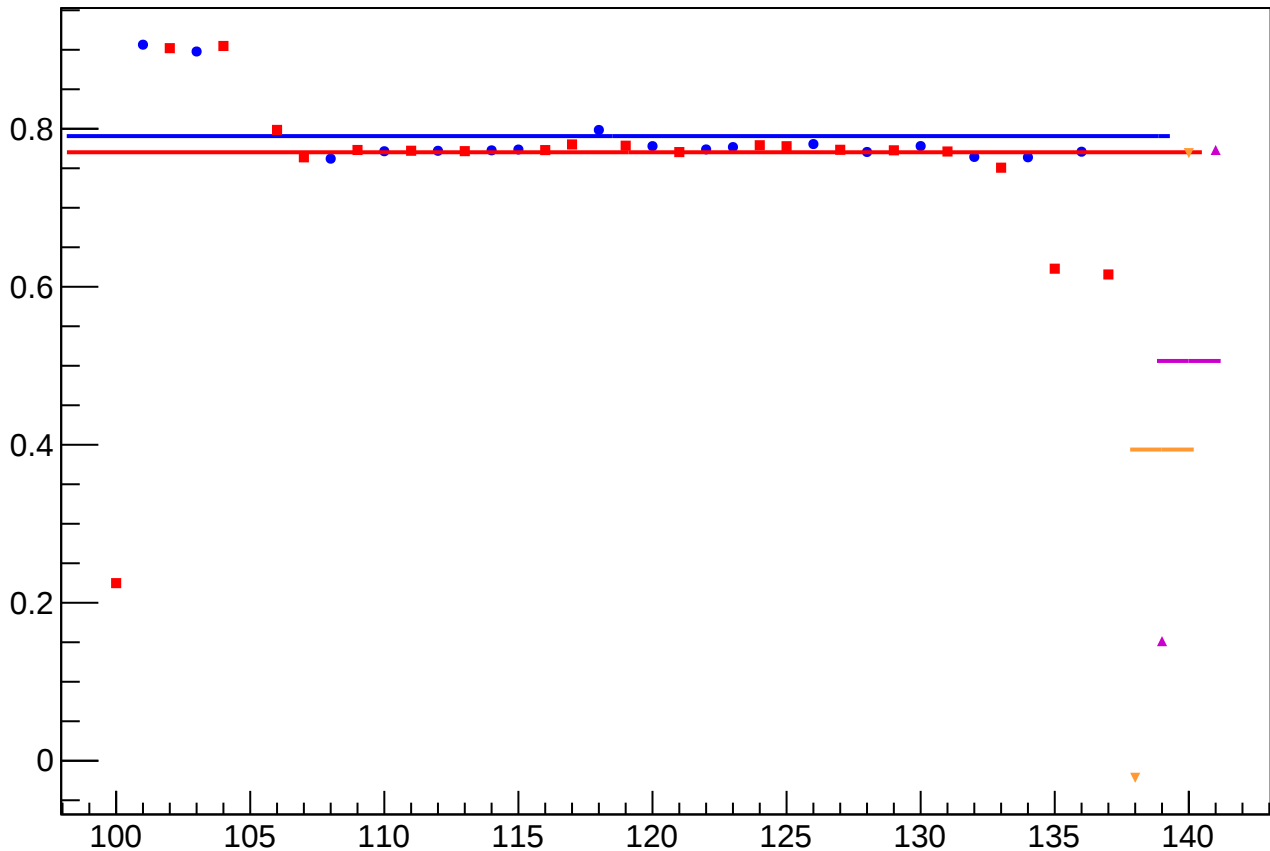
Right Out: 0.005+/-0.000 χ^2/NDF : 665152.6/19

Left In: 0.003+/-0.000 χ^2/NDF : 13040.7/1

0.004+/-0.000 χ^2/NDF : 1101539.9/18

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: 0.394+/-0.000 χ^2/NDF : 1449506350.8/1

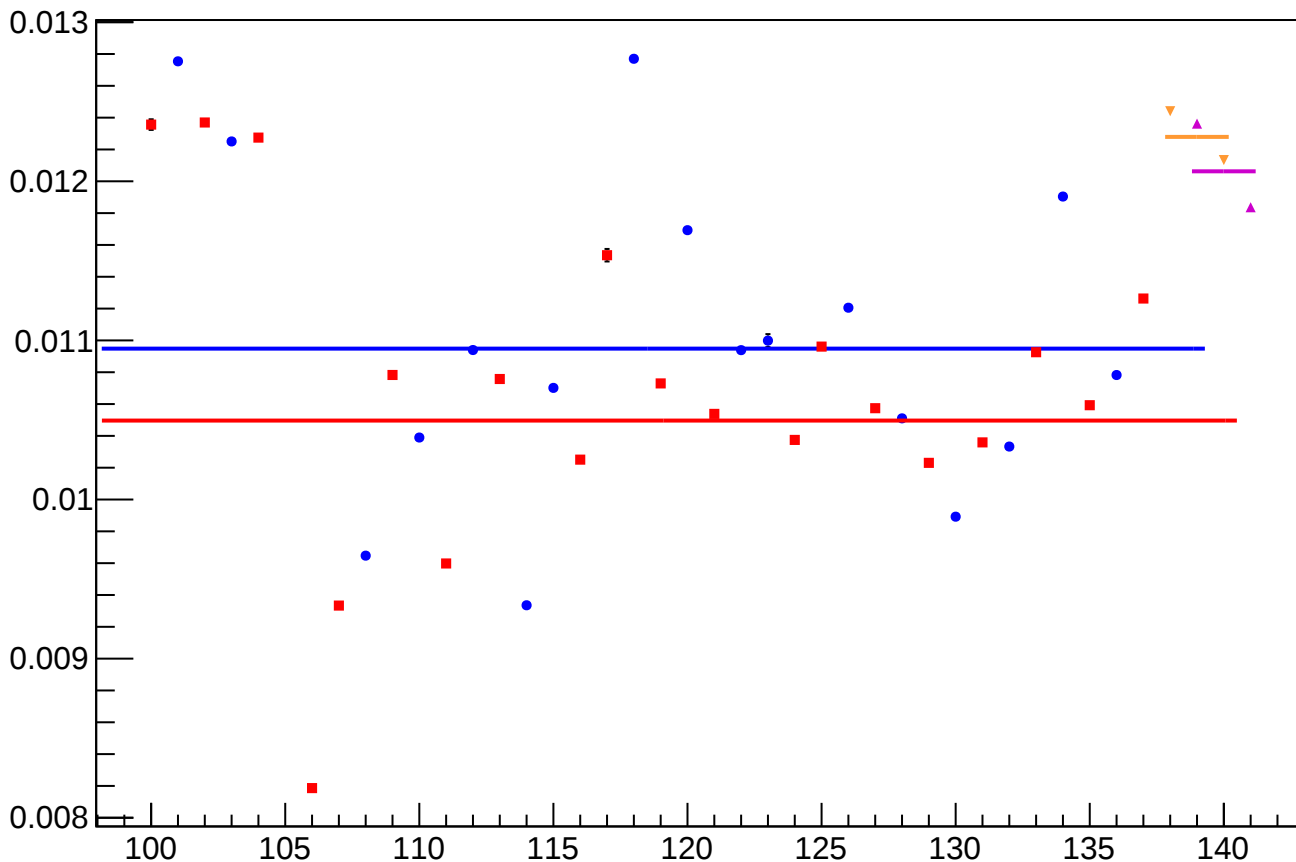
Right Out: 0.770+/-0.000 χ^2/NDF : 375473971.0/19

Left In: 0.506+/-0.000 χ^2/NDF : 951351657.8/1

0.732+/-0.000 χ^2/NDF : 2804289986.8/18

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:436.9/1

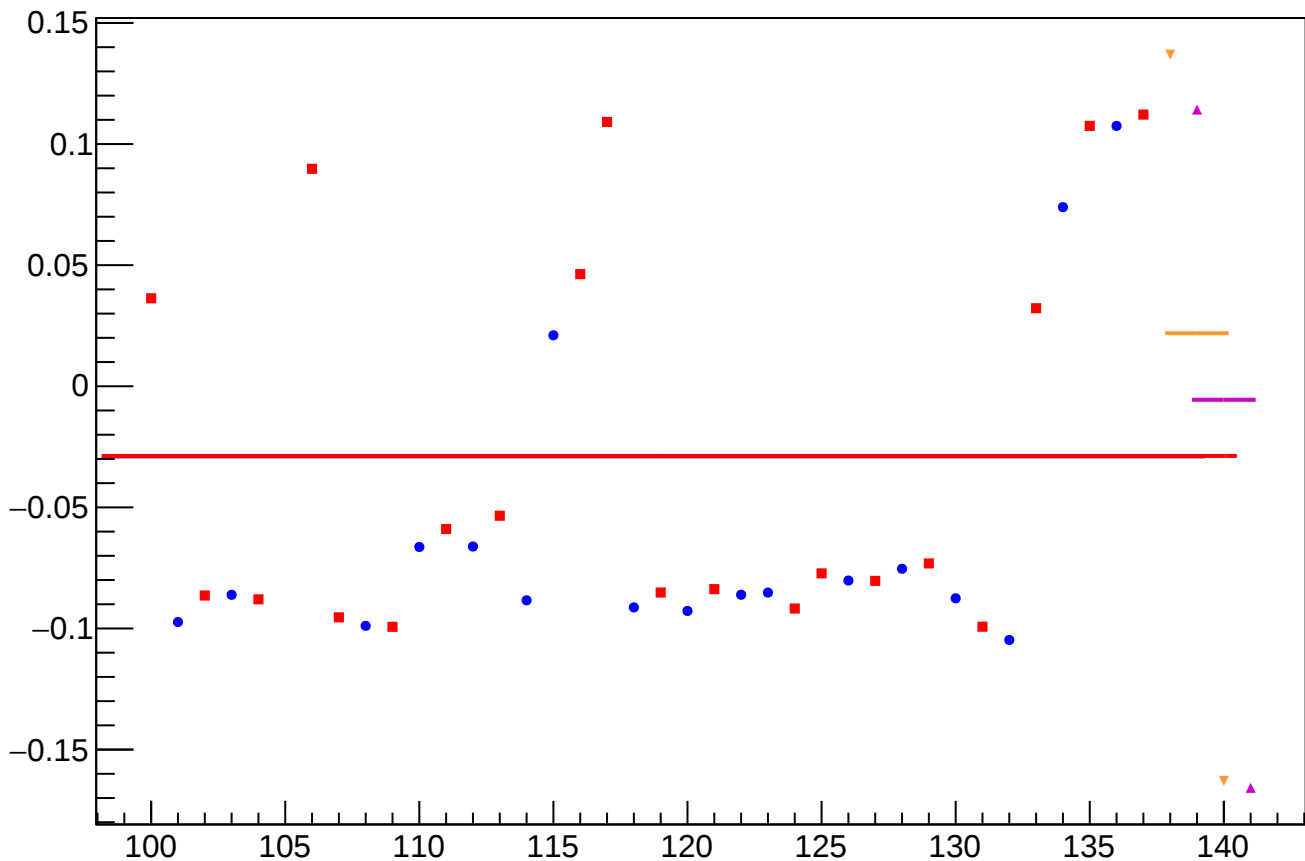
Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 120120.6/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:1359.3/1

0.011 $\pm$ 0.000 χ^2 /NDF: 127060.8/18

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

-0.014+/-0.000 χ^2/NDF : 5488114455.3/18

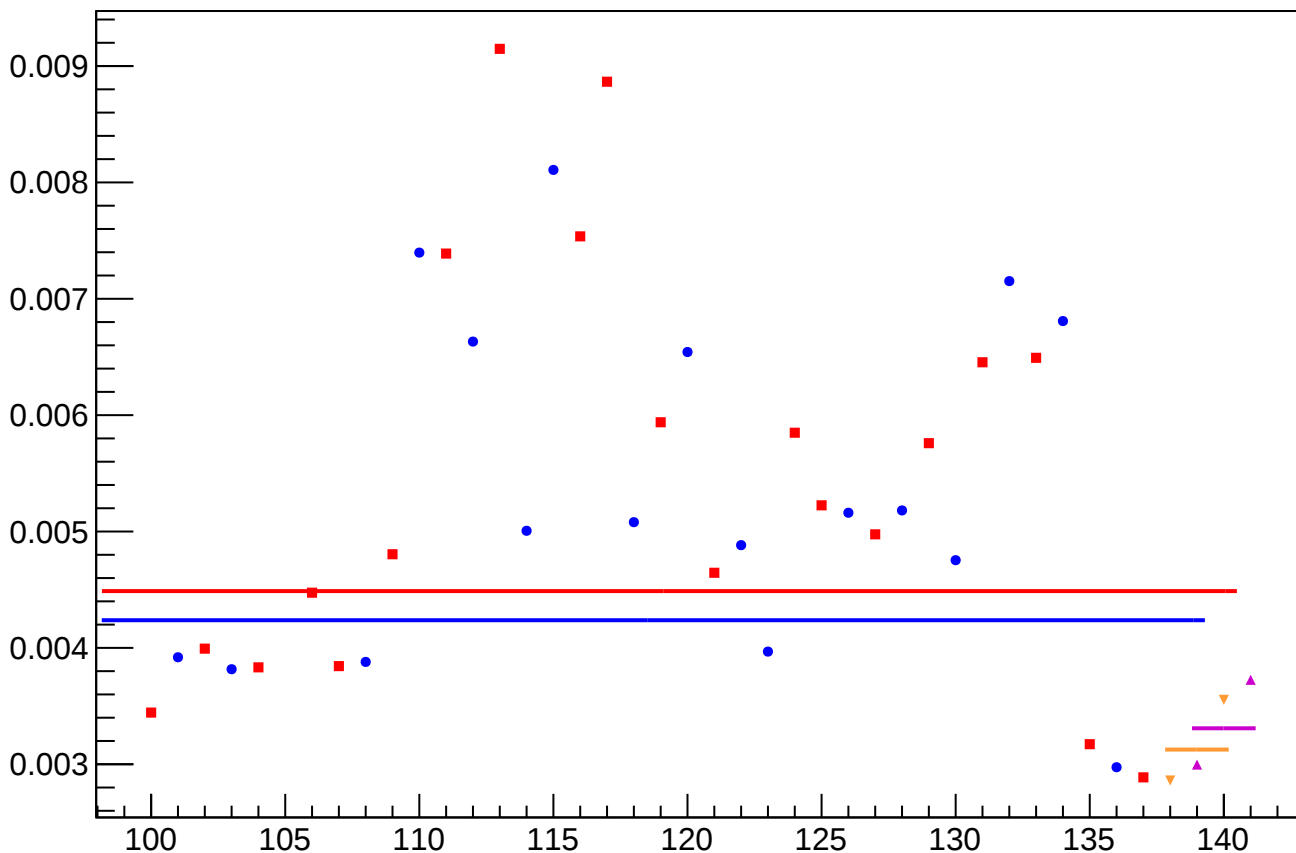
Left Out: 0.022+/-0.000 χ^2/NDF :2804084206.1/1

Right Out: -0.029 ± 0.000 χ^2/NDF : 2122918772.1/19

-0.022+/-0.000 χ^2/NDF : 4566257158.6/21

Left In: -0.006 $\pm$ 0.000 χ^2 /NDF:2396353146.1/1

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 :29986.3/1

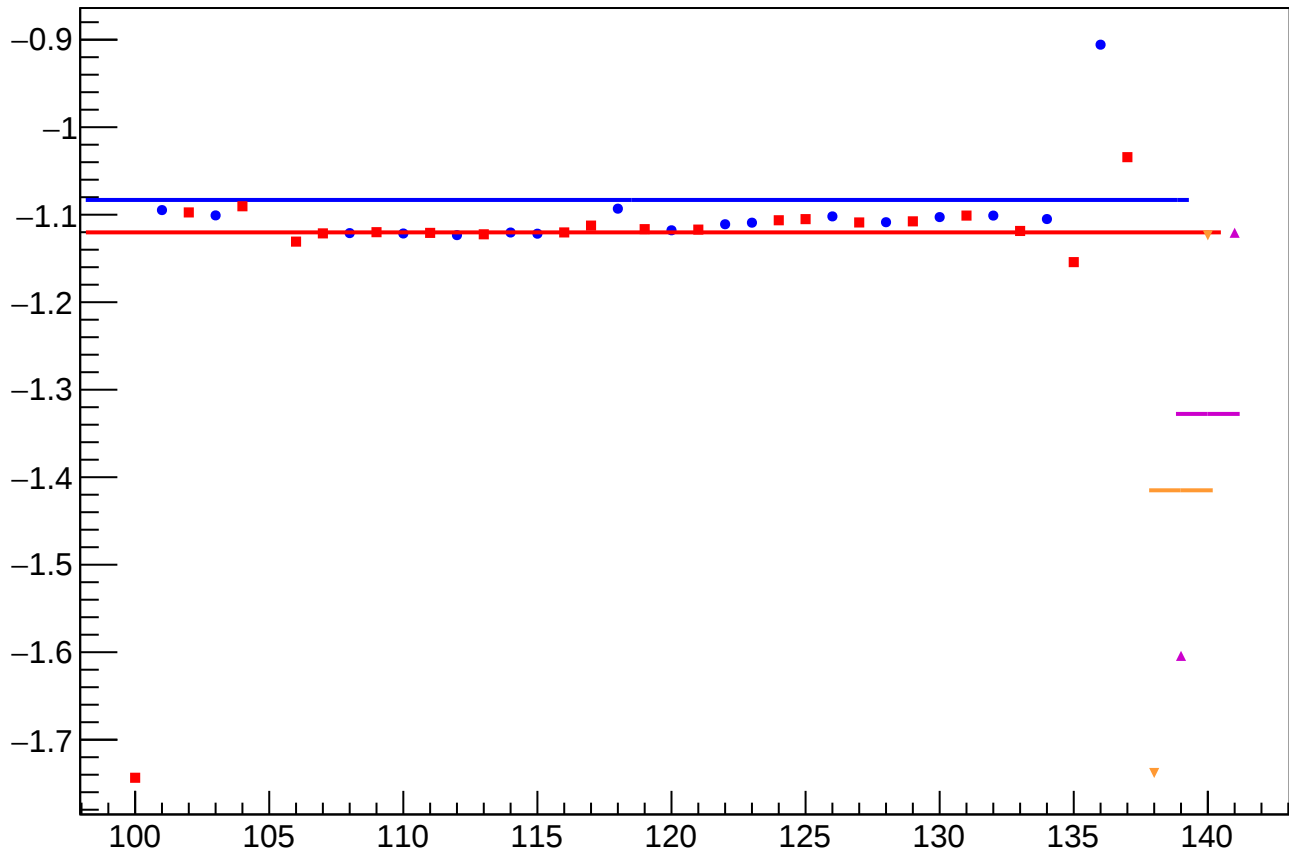
Right Out: 0.004+/-0.000 χ^2/NDF : 1003473.4/19

Left In: 0.003+/-0.000 χ^2/NDF :32433.0/1

0.004+/-0.000 χ^2/NDF : 1139028.8/18

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: -1.415+/-0.000 χ^2/NDF : 1094304178.5/1

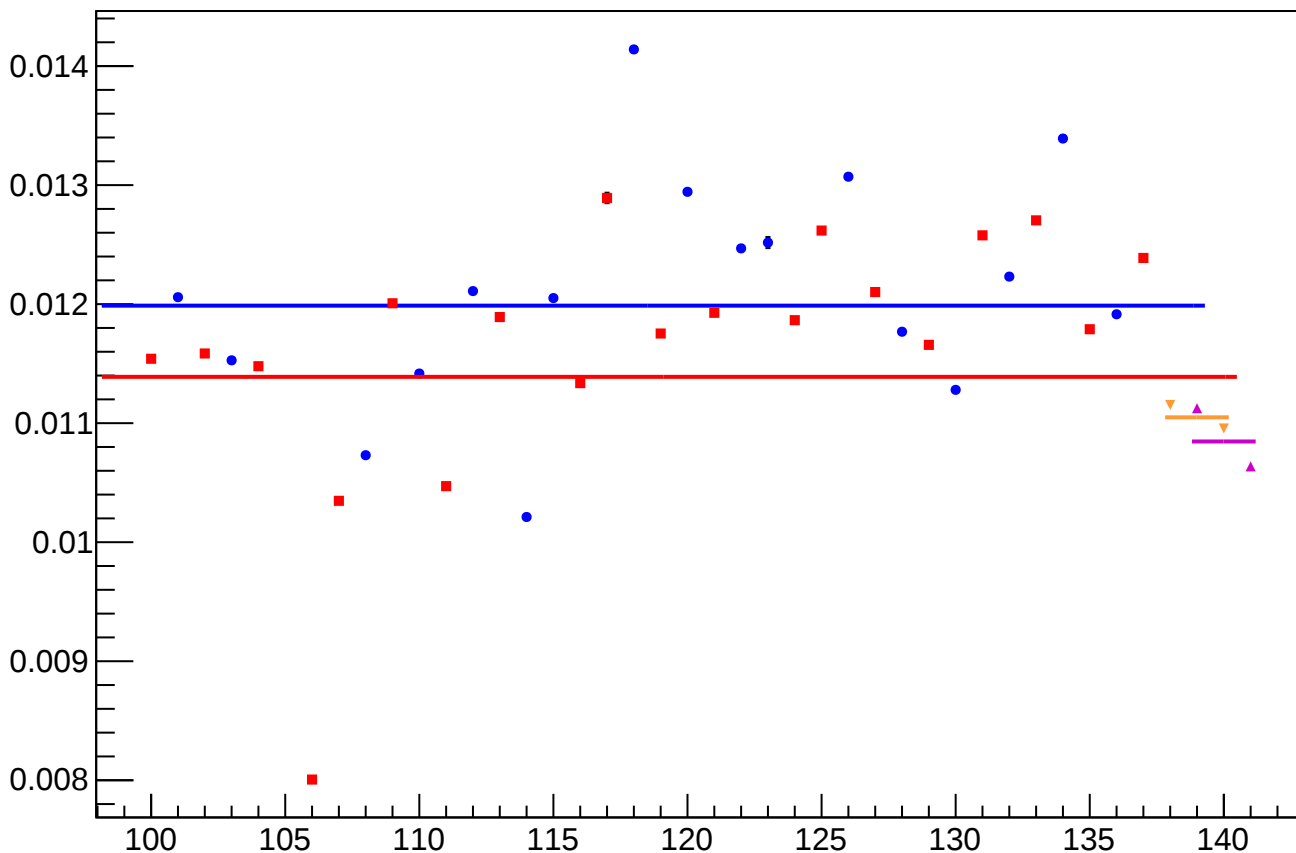
Right Out: -1.120+/-0.000 χ^2/NDF : 220586820.0/19

Left In: -1.328+/-0.000 χ^2/NDF : 714730560.0/1

-1.152+/-0.000 χ^2/NDF : 2313547770.9/18

-1.160+/-0.000 χ^2/NDF : 1370448410.5/21

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 60402.0/16

Left Out: 0.011+/-0.000 χ^2/NDF :226.6/1

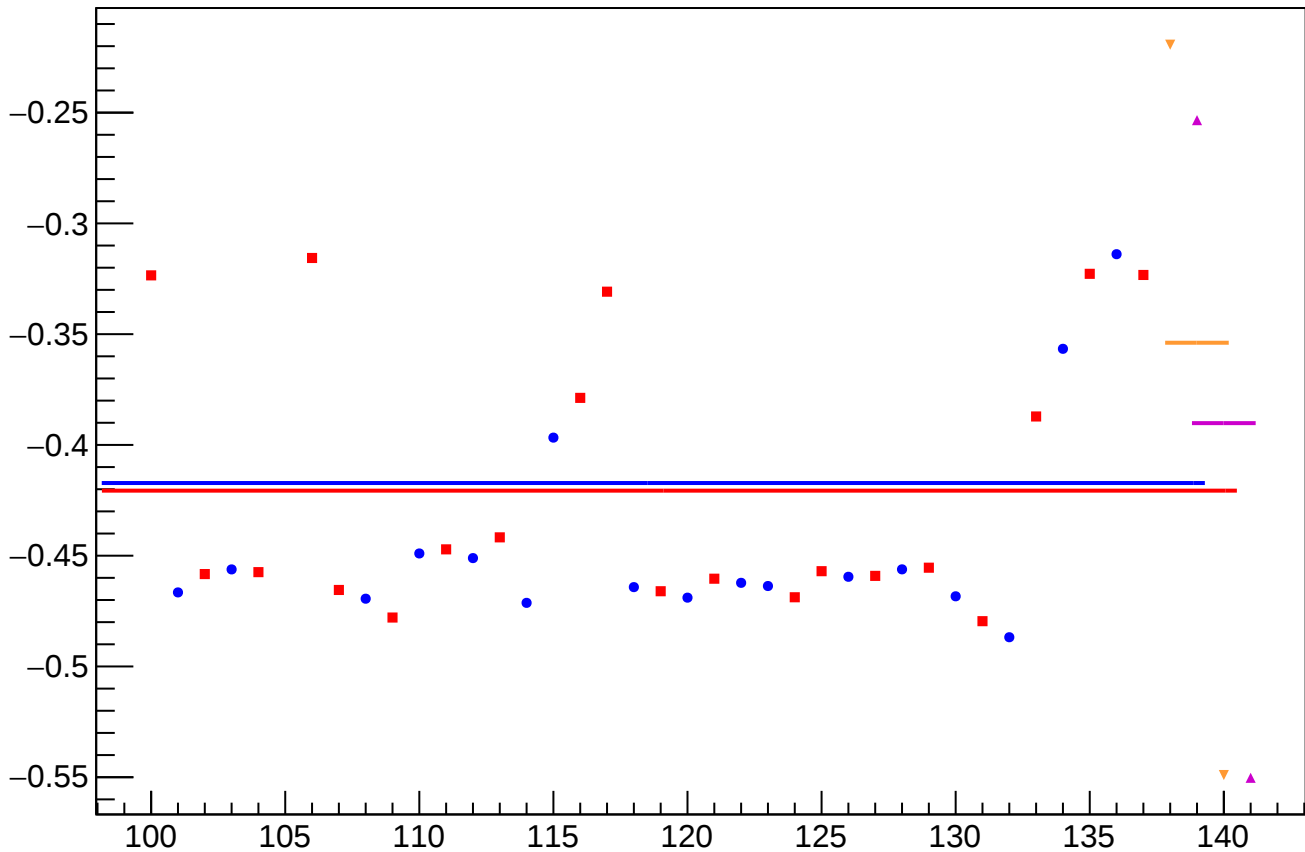
Right Out: 0.011+/-0.000 χ^2/NDF : 155700.3/19

Left In: 0.011+/-0.000 χ^2/NDF :1459.1/1

0.012+/-0.000 χ^2/NDF : 76881.1/18

0.011+/-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: -0.354+/-0.000 χ^2/NDF : 2692467590.3/1

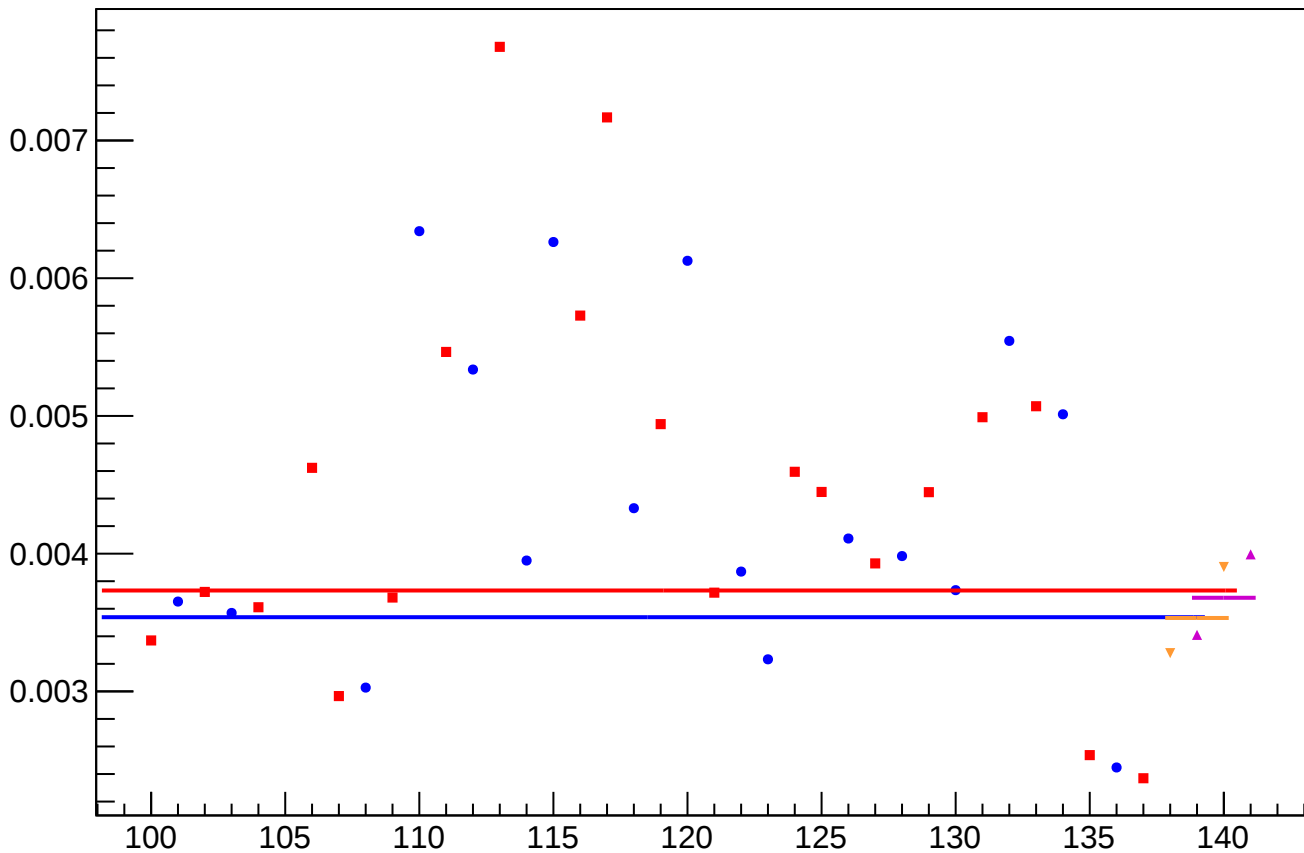
-0.405+/-0.000 χ^2/NDF : 5064249916.9/18

Right Out: -0.421+/-0.000 χ^2/NDF : 1652792044.5/19

-0.415+/-0.000 χ^2/NDF : 3934857868.6/21

Left In: -0.390+/-0.000 χ^2/NDF : 2206489651.8/1

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 836154.0/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:19391.0/1

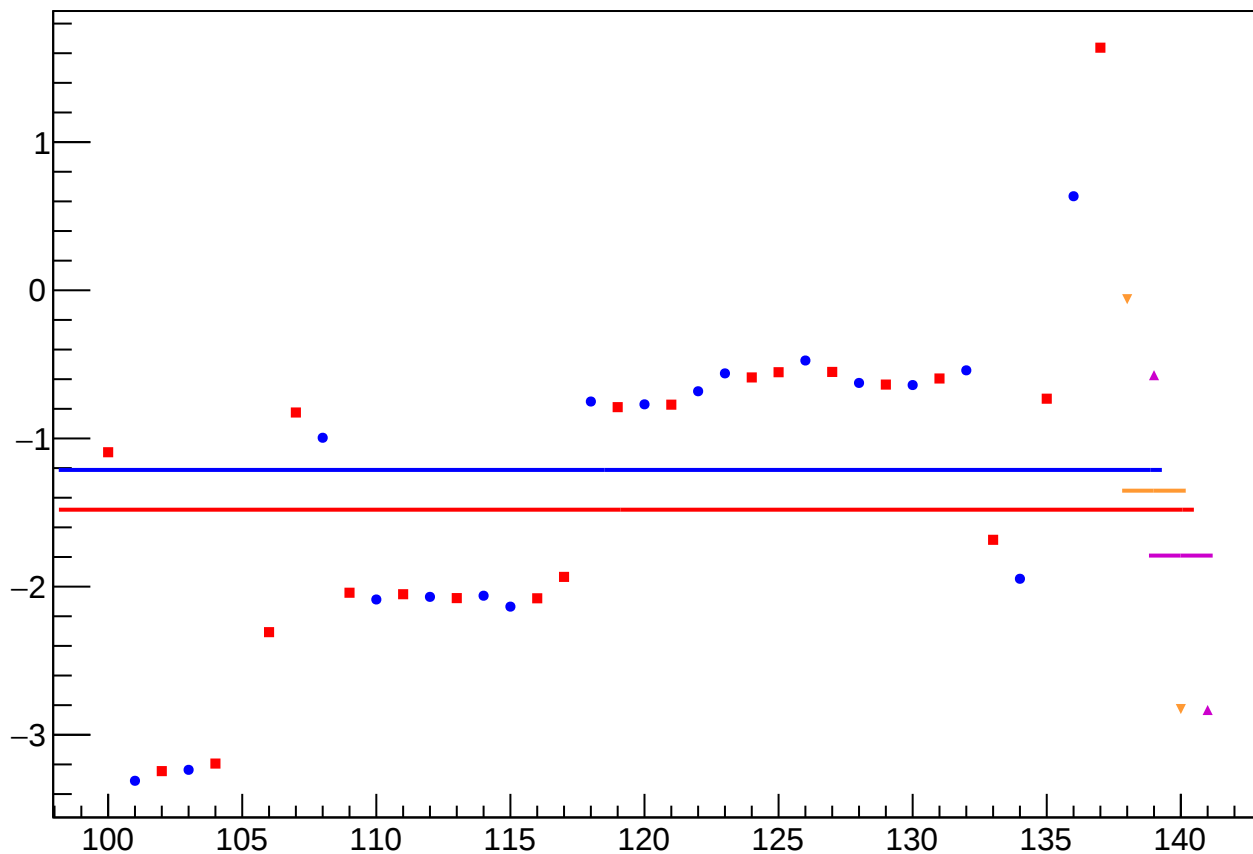
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 916963.6/19

Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:17109.4/1

0.004 $\pm$ 0.000 χ^2 /NDF: 855550.4/18

0.004 $\pm$ 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: -1.352+/-0.000 χ^2/NDF : 507435758.1/1

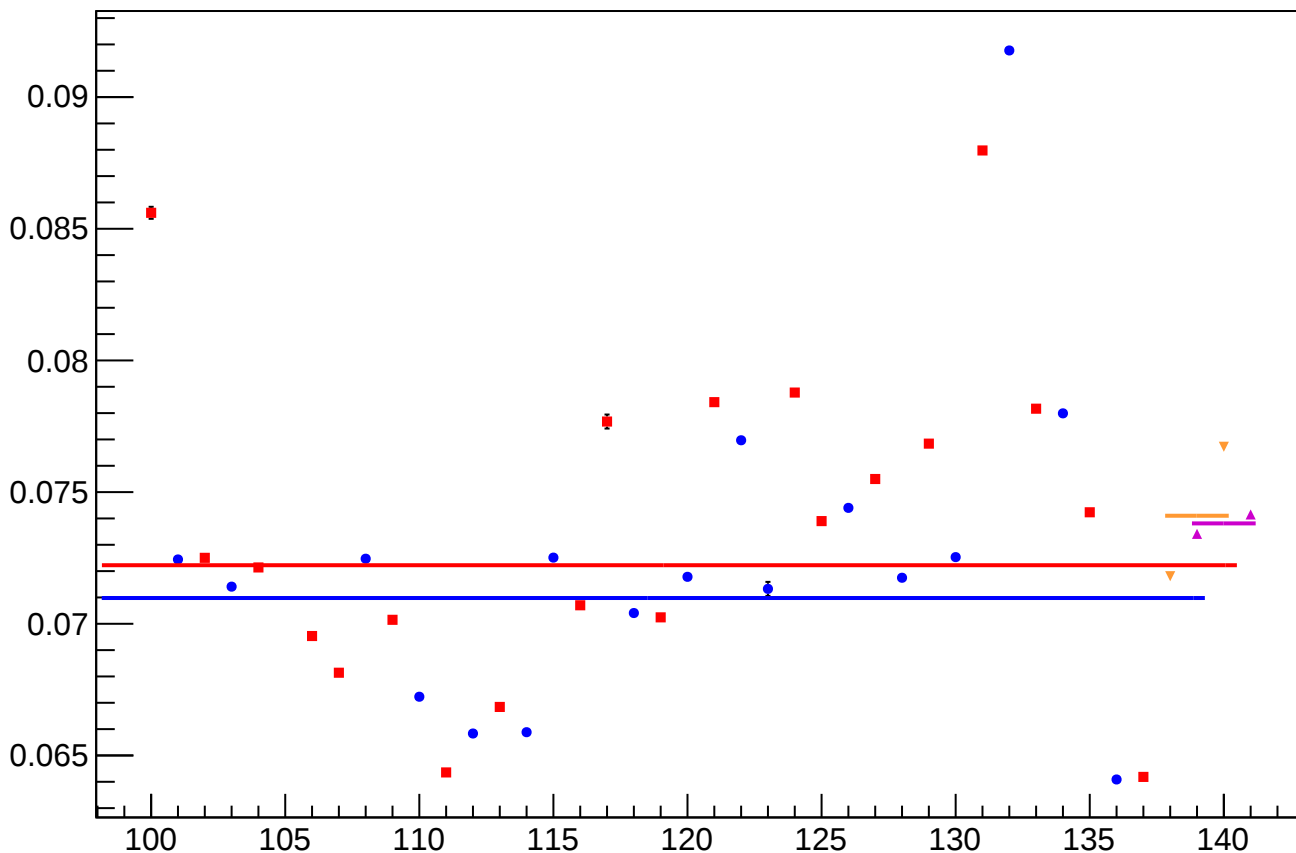
Right Out: -1.481+/-0.000 χ^2/NDF : 1579722113.8/19

Left In: -1.790+/-0.000 χ^2/NDF : 346153377.3/1

-1.236+/-0.000 χ^2/NDF : 2504624325.2/18

-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 :3206.2/1

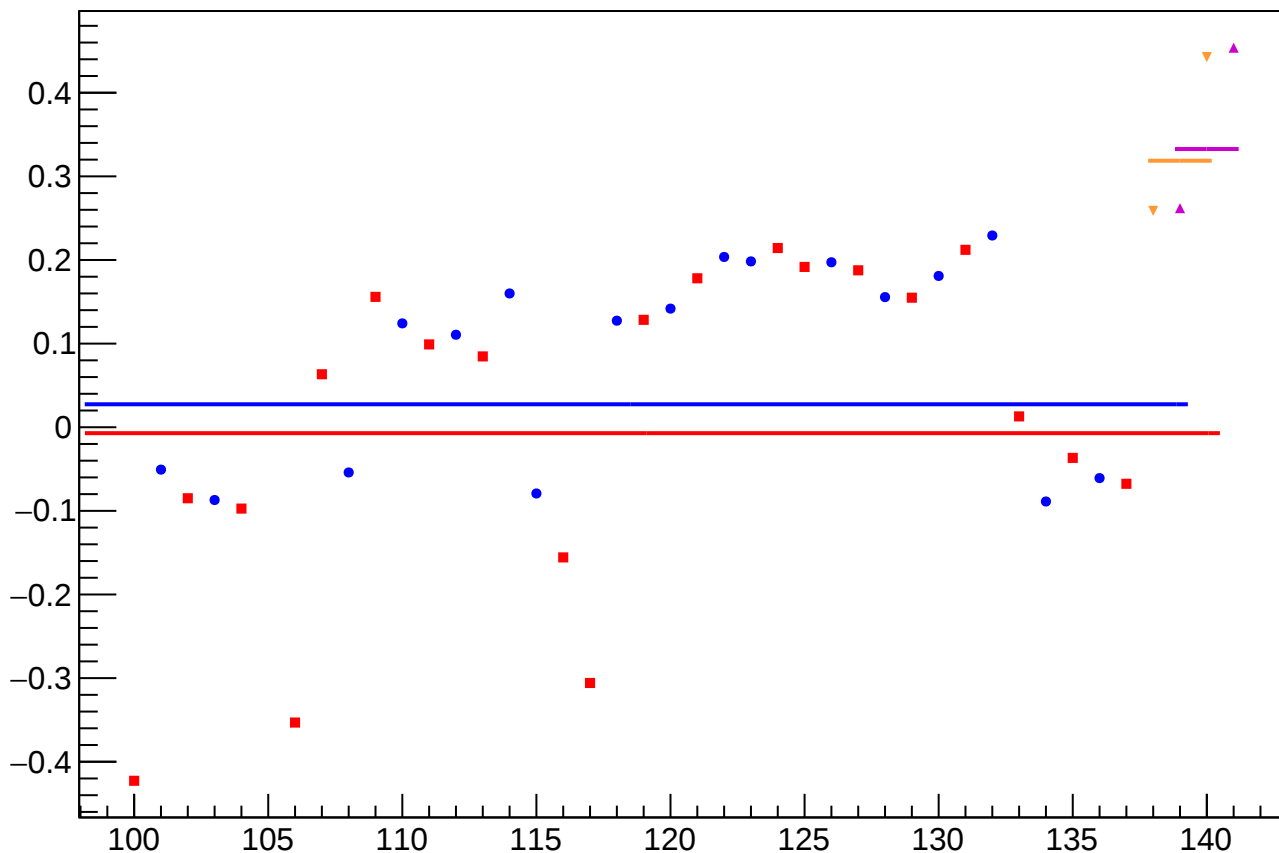
Right Out: 0.072+/-0.000 χ^2/NDF : 73650.9/19

Left In: 0.074+/-0.000 χ^2/NDF :73.4/1

0.072+/-0.000 χ^2/NDF : 85114.7/18

0.072+/-0.000 χ^2/NDF : 74867.6/21

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562337631.4/16

Left Out: 0.319+/-0.000 χ^2/NDF :199297797.1/1

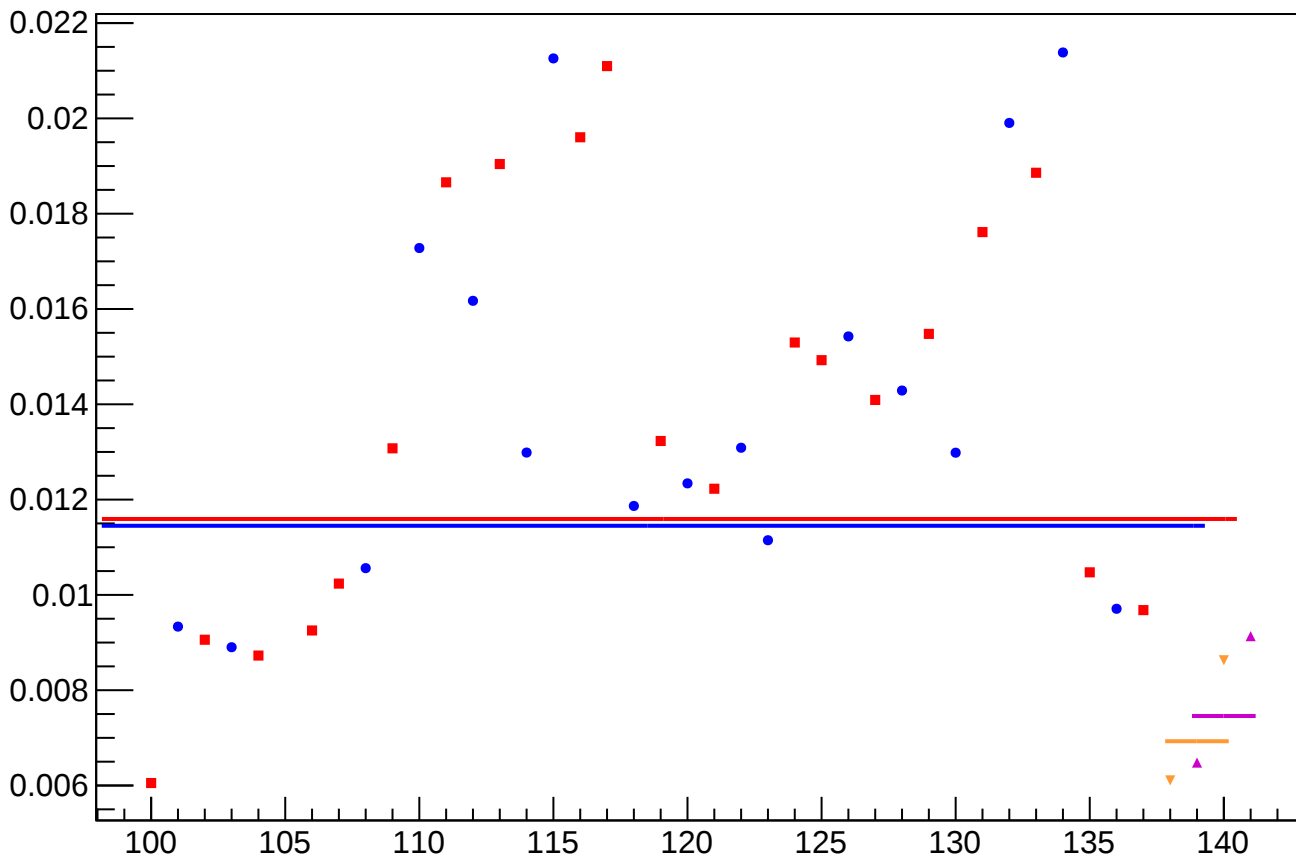
0.138+/-0.000 χ^2/NDF : 2173404746.6/18

Right Out: -0.007+/-0.000 χ^2/NDF : 1207003891.2/19

0.113+/-0.000 χ^2/NDF : 3220251567.7/21

Left In: 0.333+/-0.000 χ^2/NDF :207086680.0/1

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 : 74953.1/1

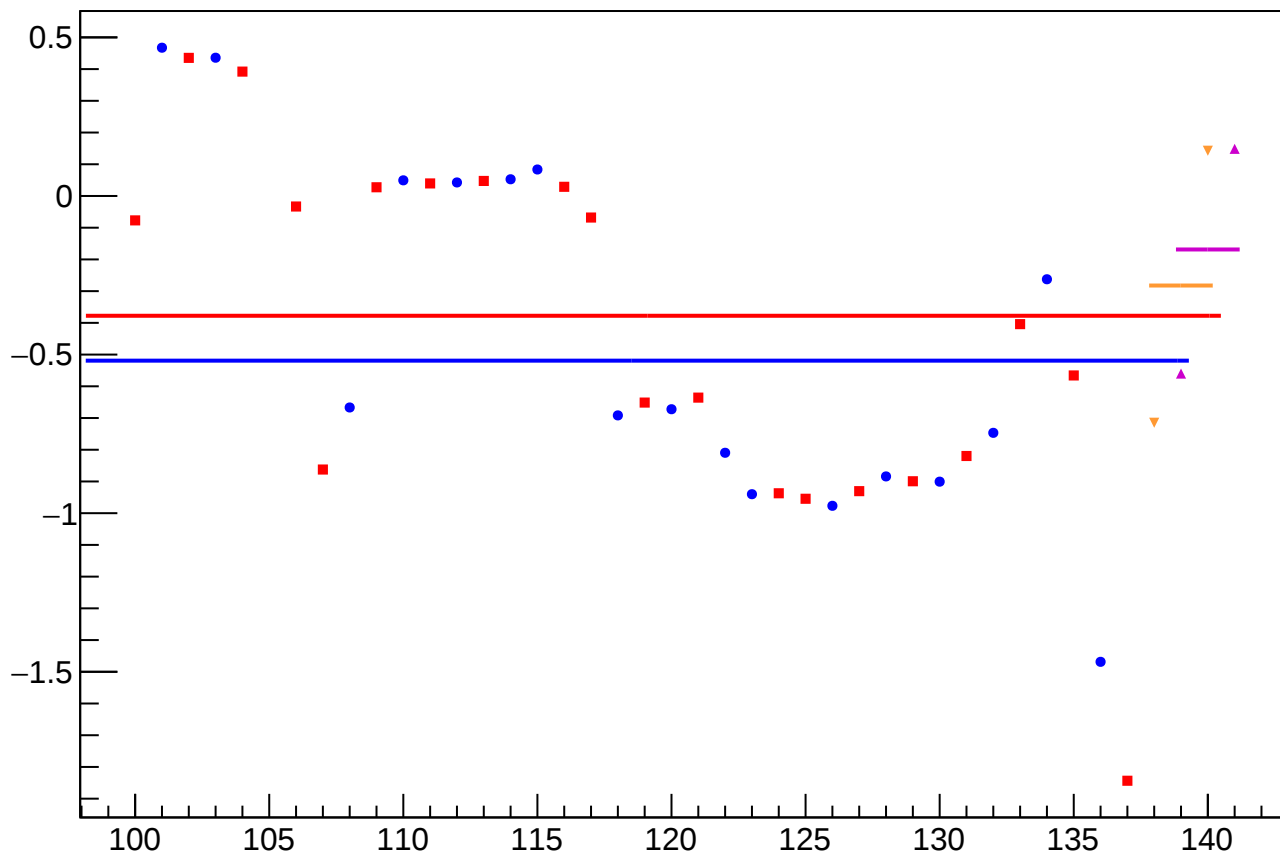
Right Out: 0.012+/-0.000 χ^2/NDF : 1012799.2/19

Left In: 0.007+/-0.000 χ^2/NDF : 79166.9/1

0.010+/-0.000 χ^2/NDF : 1435070.1/18

0.010+/-0.000 χ^2/NDF : 1626966.1/21

yield_bpm0r05X_mean vs Slug



Right In: -0.519+/-0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.282+/-0.000 χ^2/NDF : 38286755.3/1

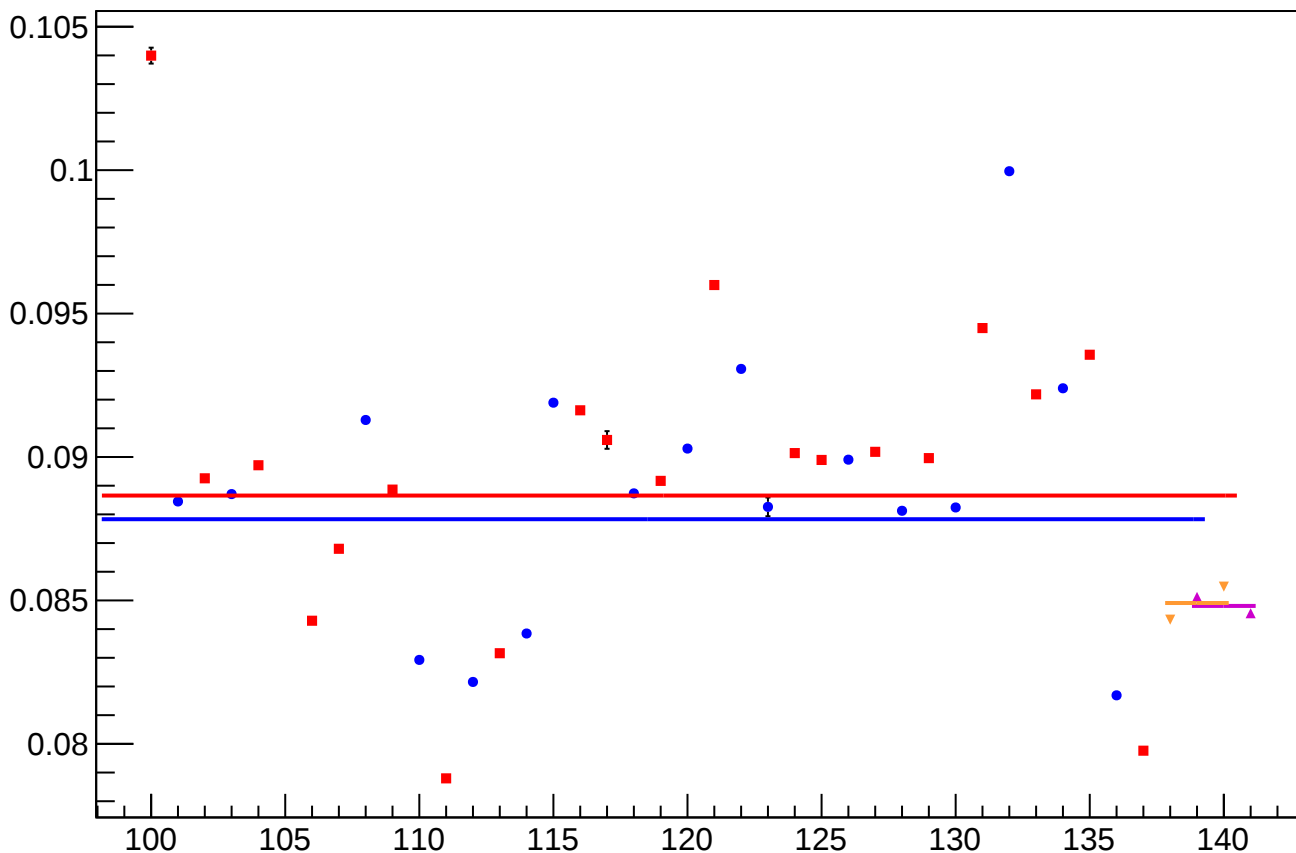
Right Out: -0.378+/-0.000 χ^2/NDF : 269130827.6/19

Left In: -0.169+/-0.000 χ^2/NDF : 26014247.2/1

-0.473+/-0.000 χ^2/NDF : 387089736.1/18

-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 :138.0/1

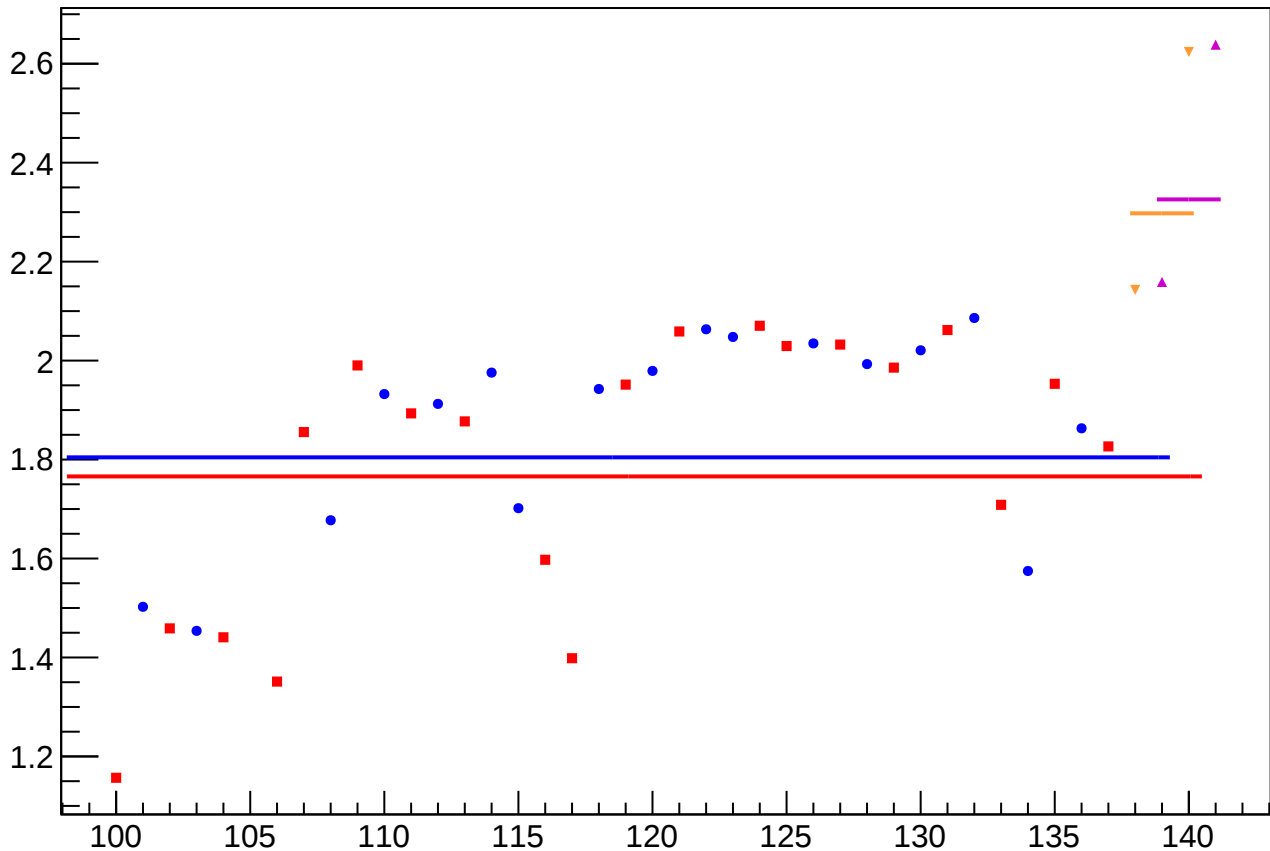
Right Out: 0.089+/-0.000 χ^2/NDF : 39762.8/19

Left In: 0.085+/-0.000 χ^2/NDF :33.5/1

0.087+/-0.000 χ^2/NDF : 37958.2/18

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: 2.298+/-0.000 χ^2/NDF : 755367633.5/1

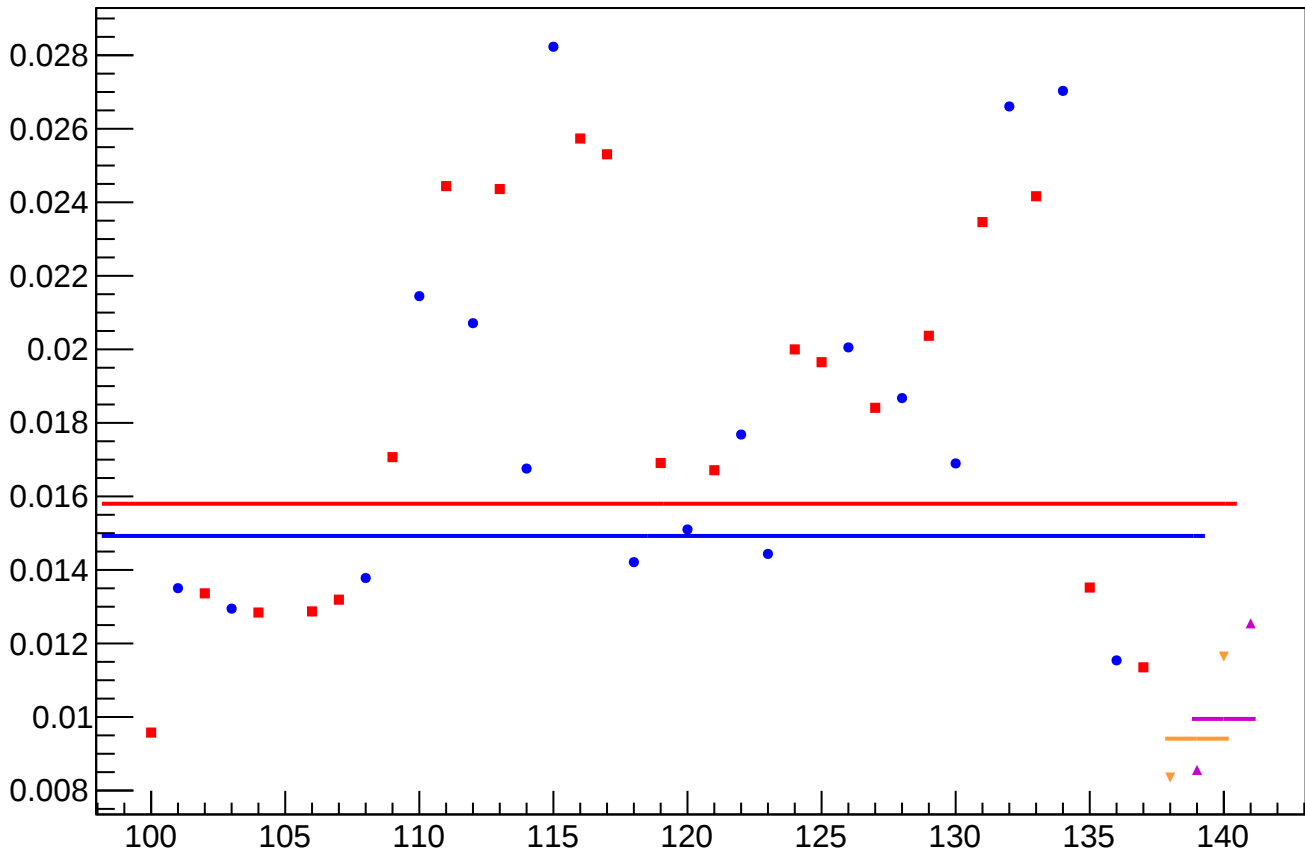
1.985+/-0.000 χ^2/NDF : 4217214248.6/18

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: 0.009+/-0.000 χ^2/NDF : 70656.6/1

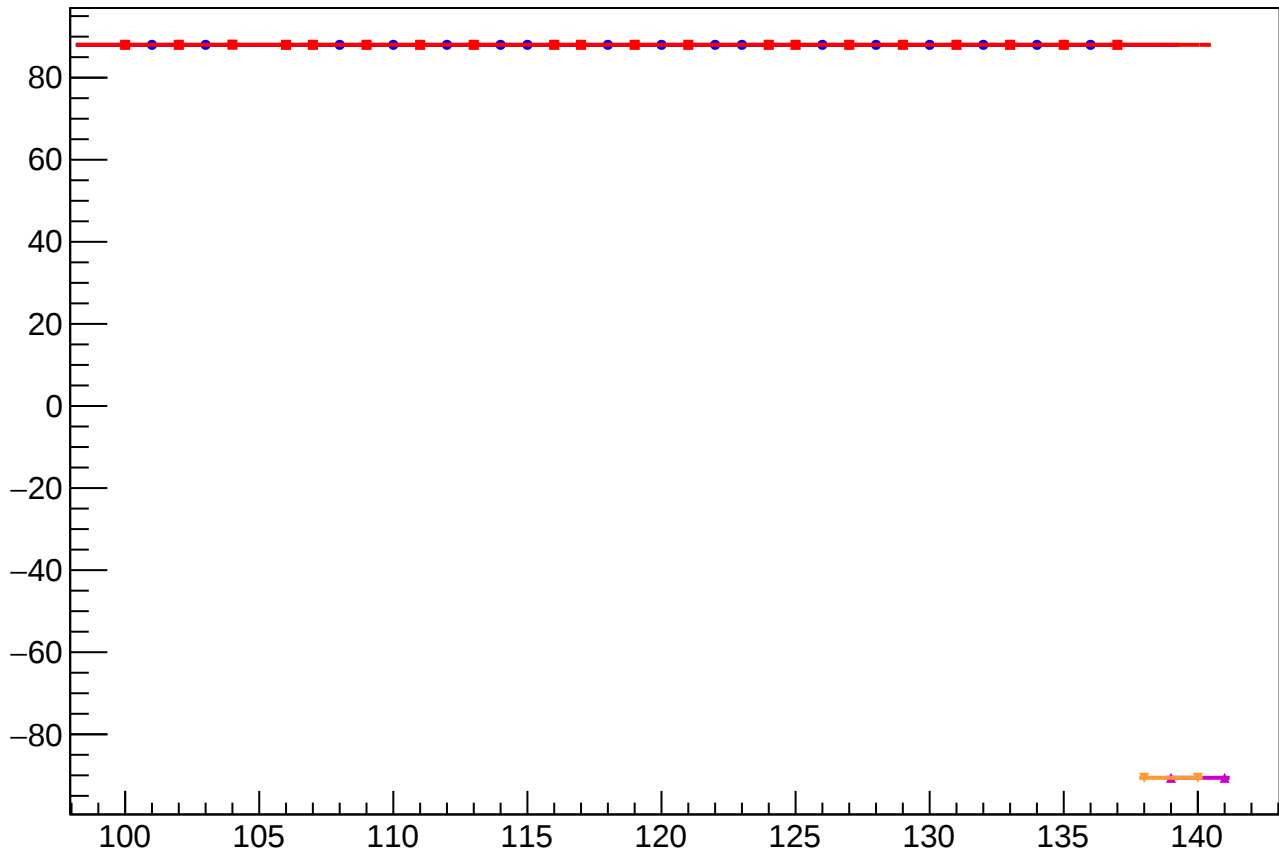
Right Out: 0.016+/-0.000 χ^2/NDF : 796839.8/19

Left In: 0.010+/-0.000 χ^2/NDF : 98187.0/1

0.013+/-0.000 χ^2/NDF : 1290539.5/18

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:31705.9/1

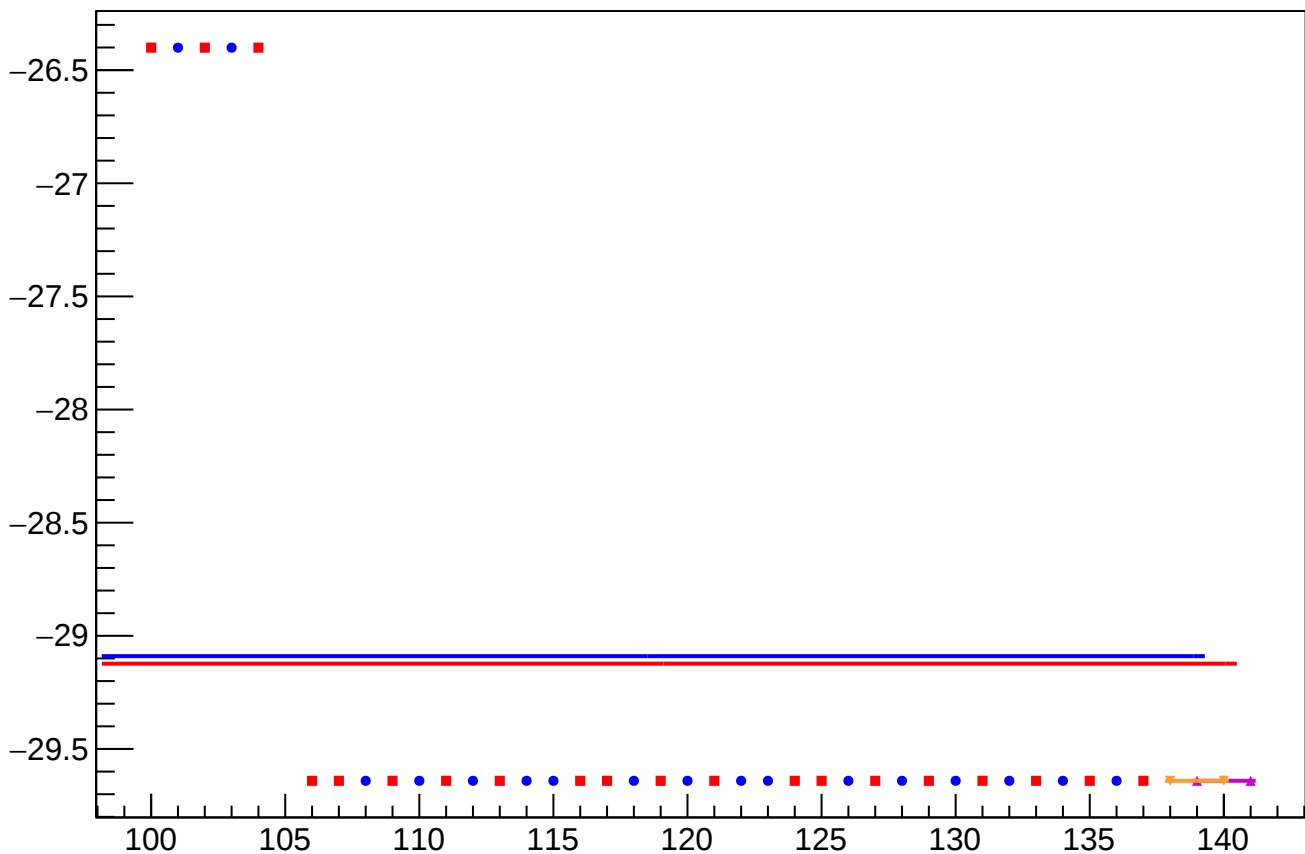
55.051 $\pm$ 0.000 χ^2 /NDF: 408406336742655395

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 : 1981.6/1

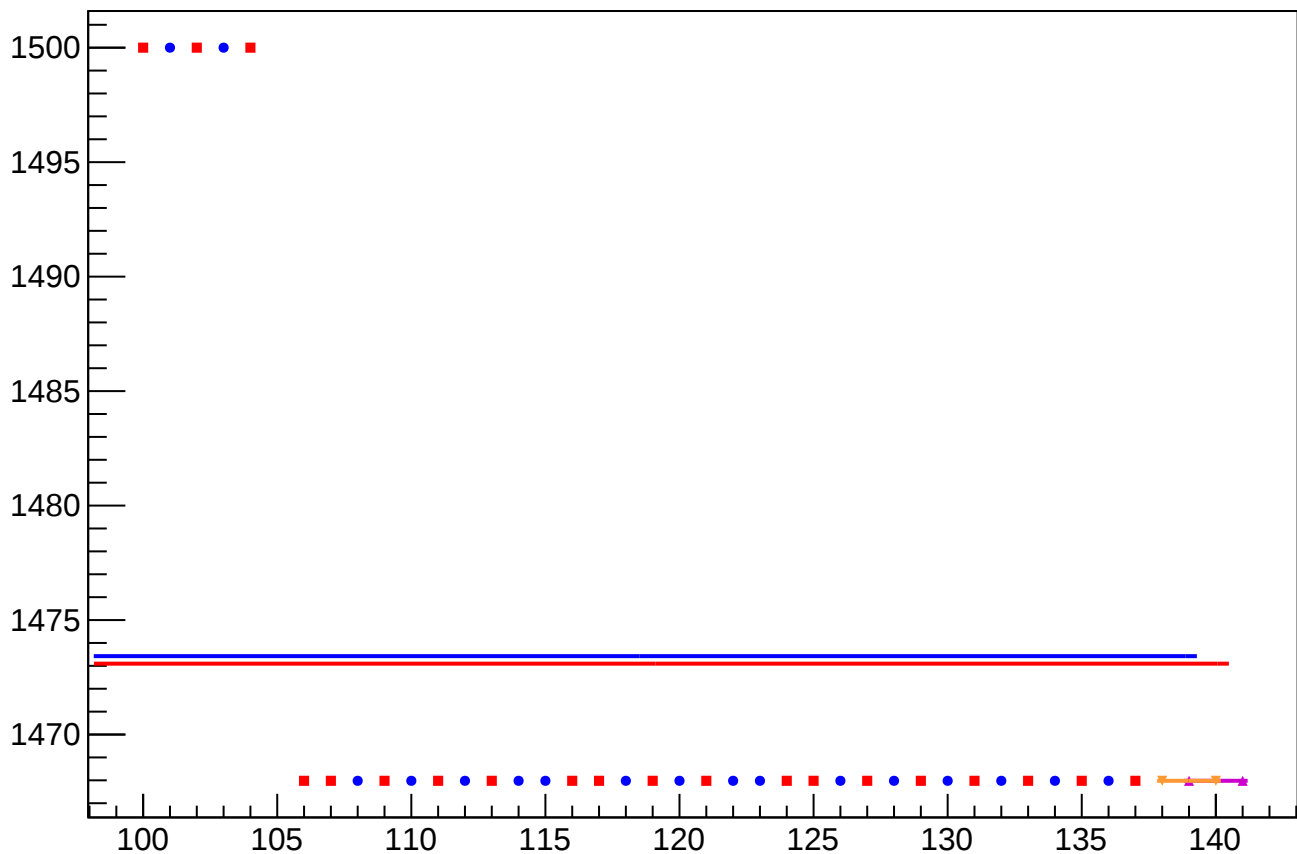
Right Out: -29.123+/-0.000 χ^2/NDF : 1023154512396702254583444720844800.0/19

Left In: -29.641+/-0.000 χ^2/NDF : 22845.4/1

-29.191+/-0.000 χ^2/NDF : 10669558336075246

-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 : 8116709.8/1

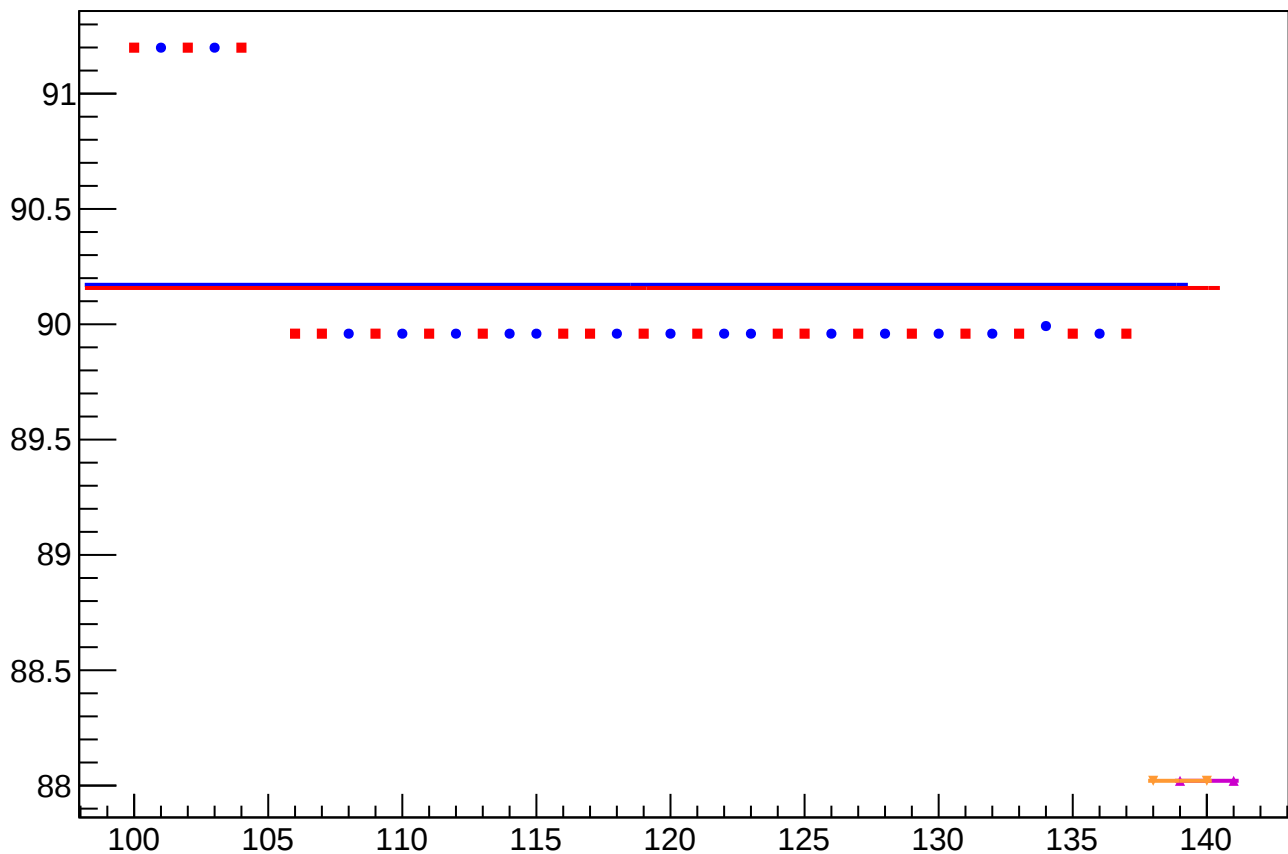
Right Out: 1473.096+/-0.000 χ^2/NDF : 99938310777099611815298348687032320.0/19

Left In: 1467.979+/-0.000 χ^2/NDF : 31846453.6/1

1472.419+/-0.000 χ^2/NDF : 1042166773371630

1472.200+/-0.000 χ^2/NDF : 1032641266931260

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 : 15752.0/1

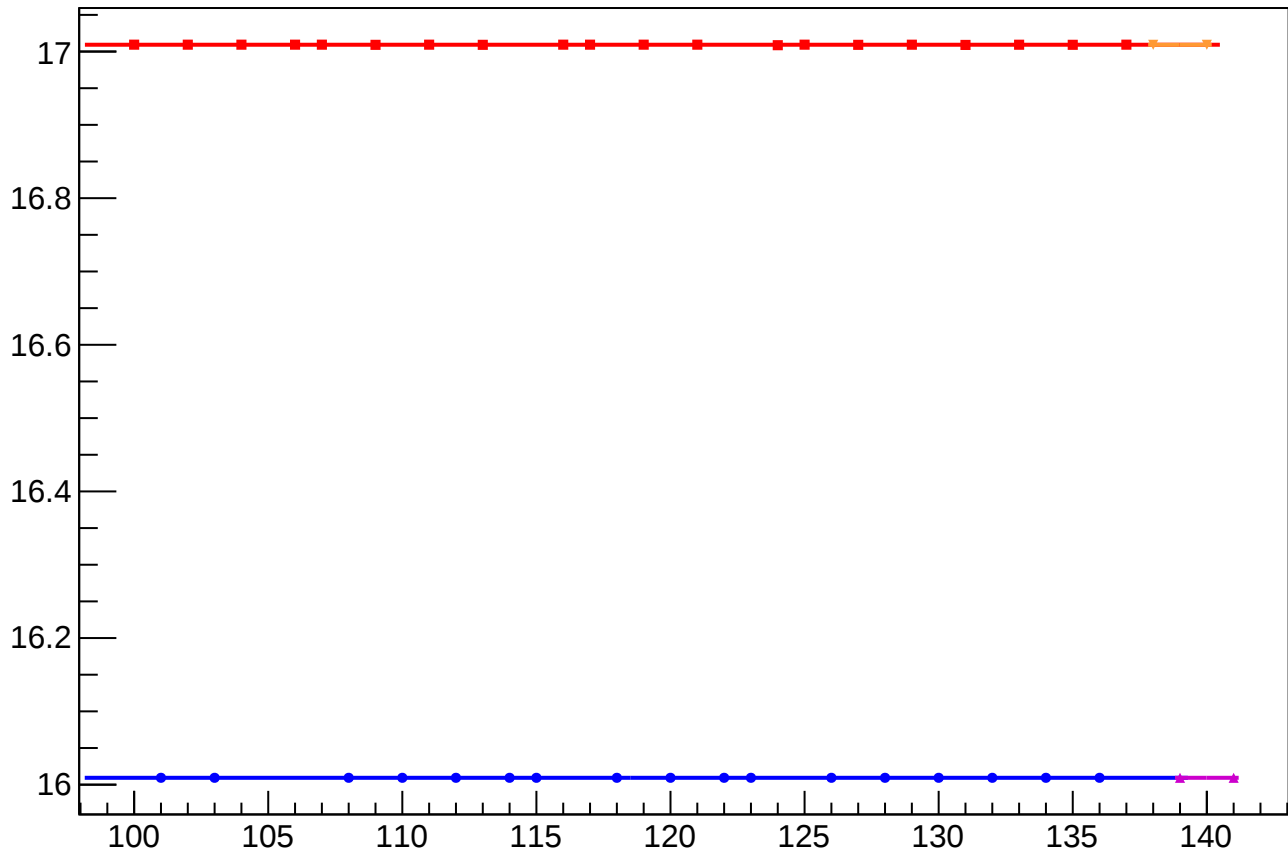
Right Out: 90.157+/-0.000 χ^2/NDF : 149863052341628336344772108091392.0/19

Left In: 88.021+/-0.000 χ^2/NDF : 502851.5/1

89.774+/-0.000 χ^2/NDF : 74239636210865551

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: 3647292251918563278848.0/1

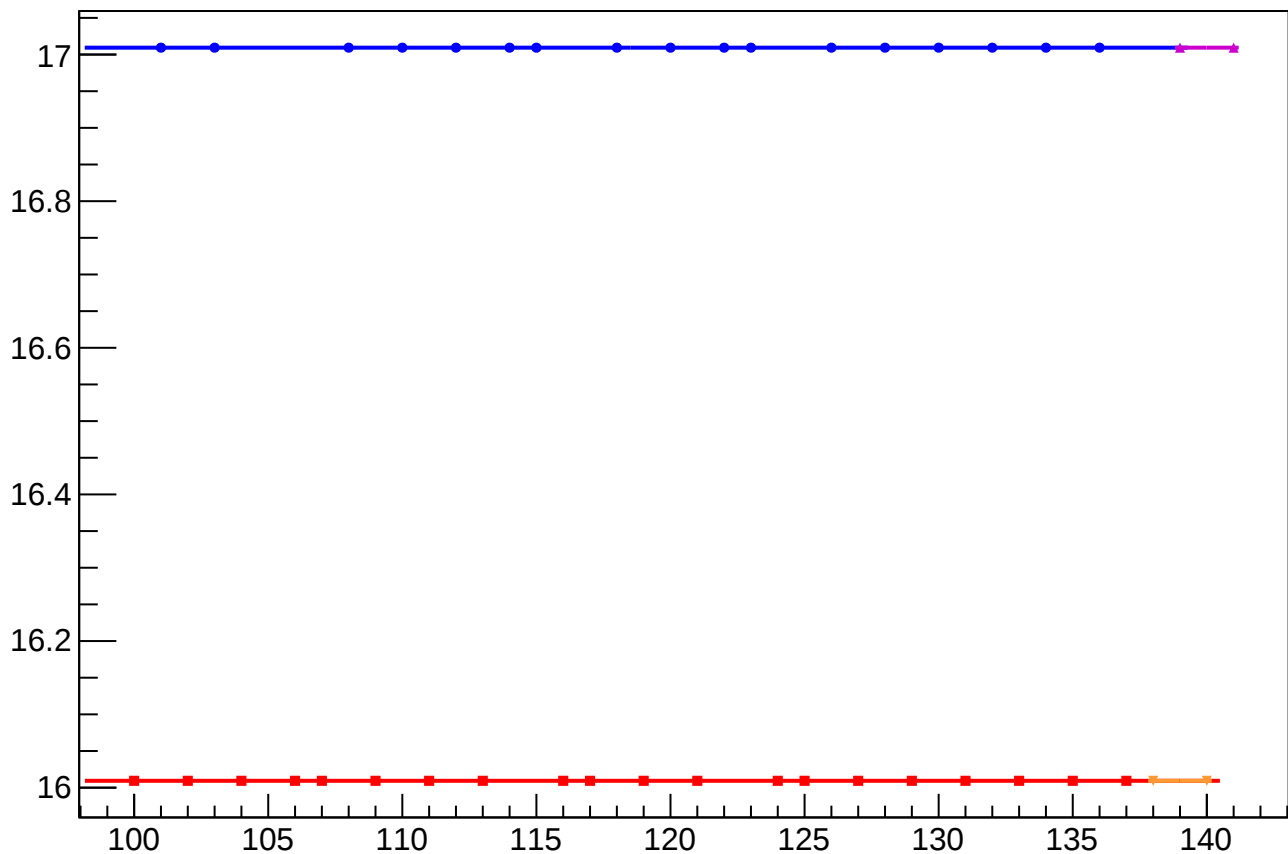
Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 12548783366686740957888512.0/19

Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 870.9/1

16.184 $\pm$ 0.000 χ^2 /NDF: 115519829125031245

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 : 984.5/1

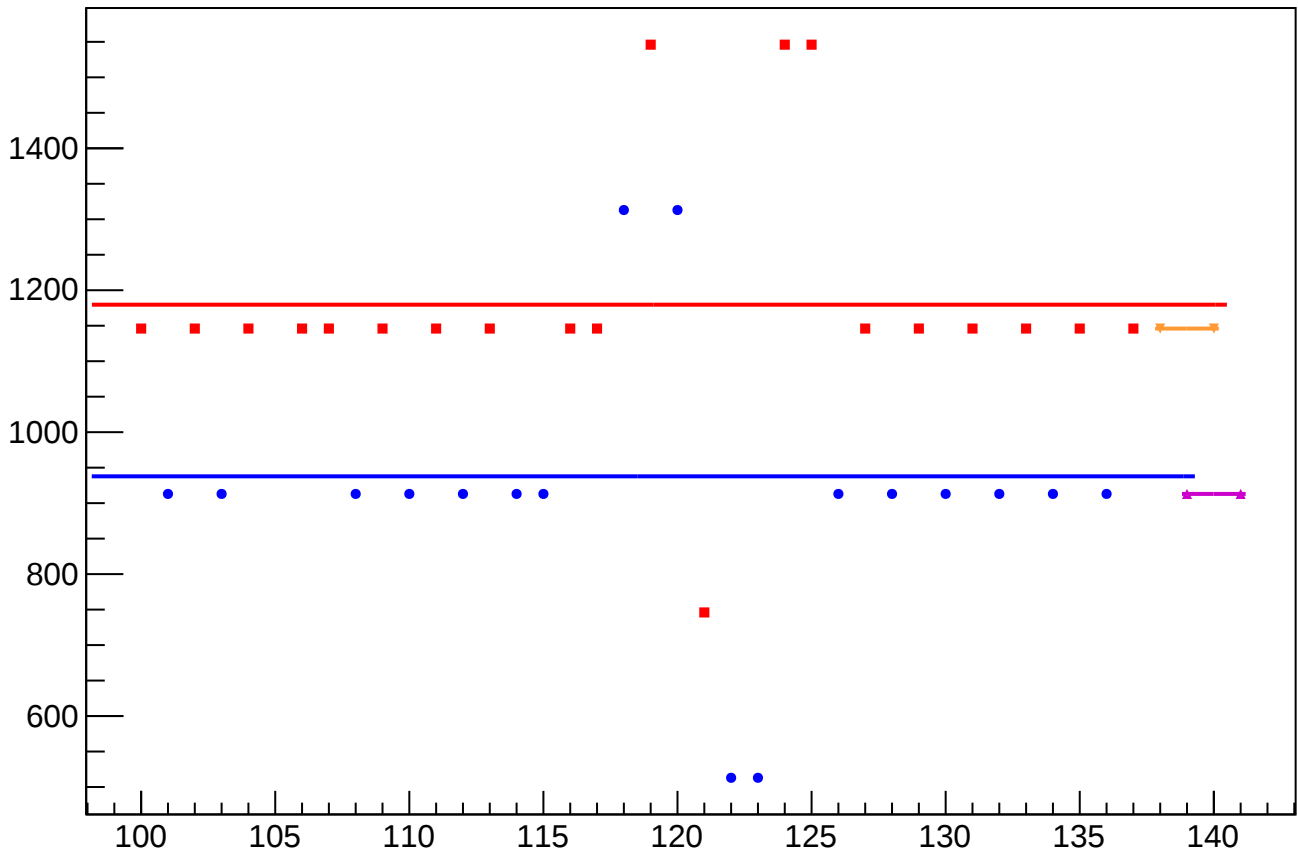
Right Out: 16.009+/-0.000 χ^2/NDF : 42750.0/19

Left In: 17.009+/-0.000 χ^2/NDF : 5162.3/1

16.818+/-0.000 χ^2/NDF : 12690354090353919

16.186+/-0.000 χ^2/NDF : 126833906071009273

epics_RTPAPOSUCNTs_mean vs Slug



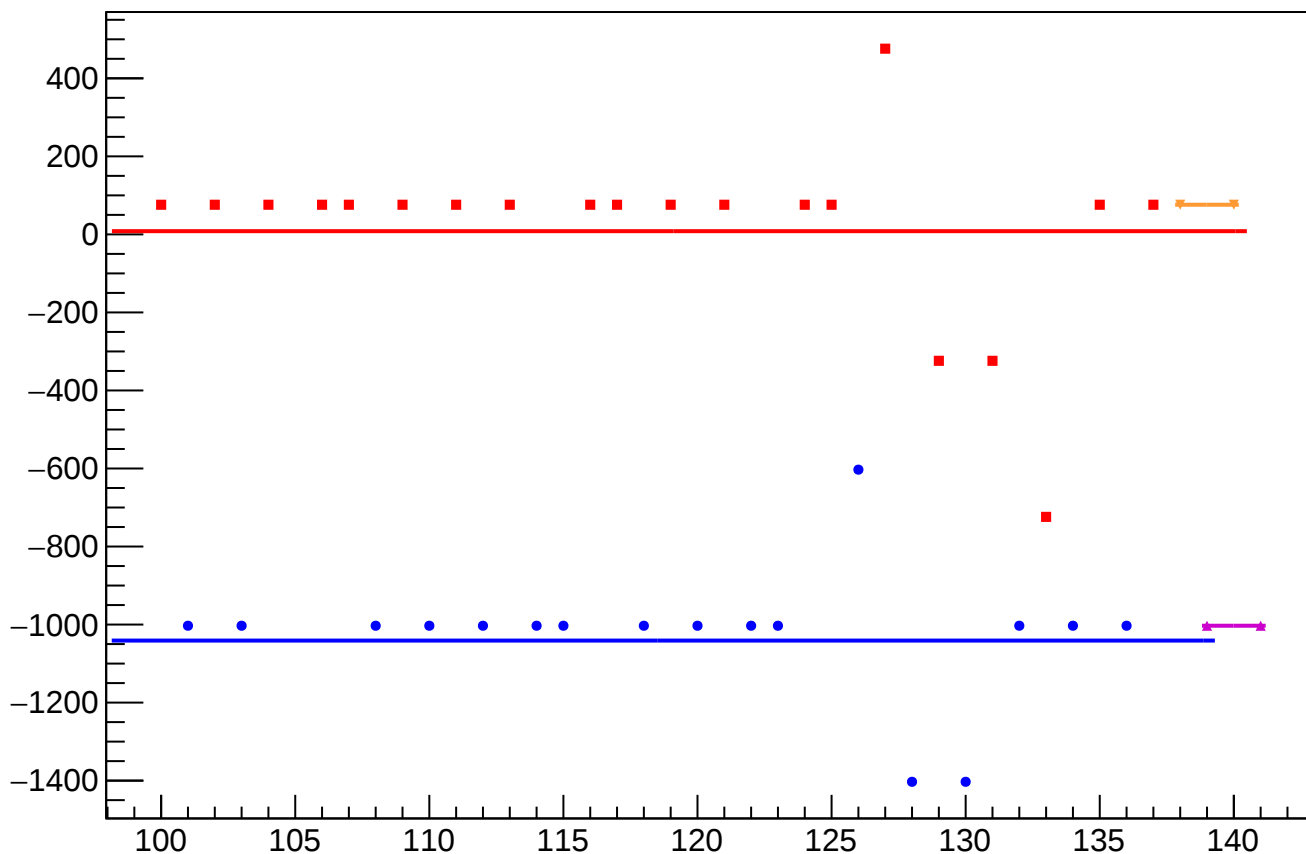
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.014+/-0.000 χ^2/NDF : 17818941532427075385819136.0/1 976.196+/-0.000 χ^2/NDF : 26406857678777200

Right Out: 1179.619+/-0.000 χ^2/NDF : 21420659731738679306829480097874968576.0/19 1132.959+/-0.000 χ^2/NDF : 3045271043991280

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 : 14267535689407127279894528.0/1

Right Out: 8.240+/-0.000 χ^2/NDF : 43865391744972338137265798243810279424.0/19

Left In: -1002.990+/-0.000 χ^2/NDF : 82706419775977992694530048.0/1

-834.948+/-0.000 χ^2/NDF : 1824347941631414

-168.725+/-0.000 χ^2/NDF : 1737851604873720