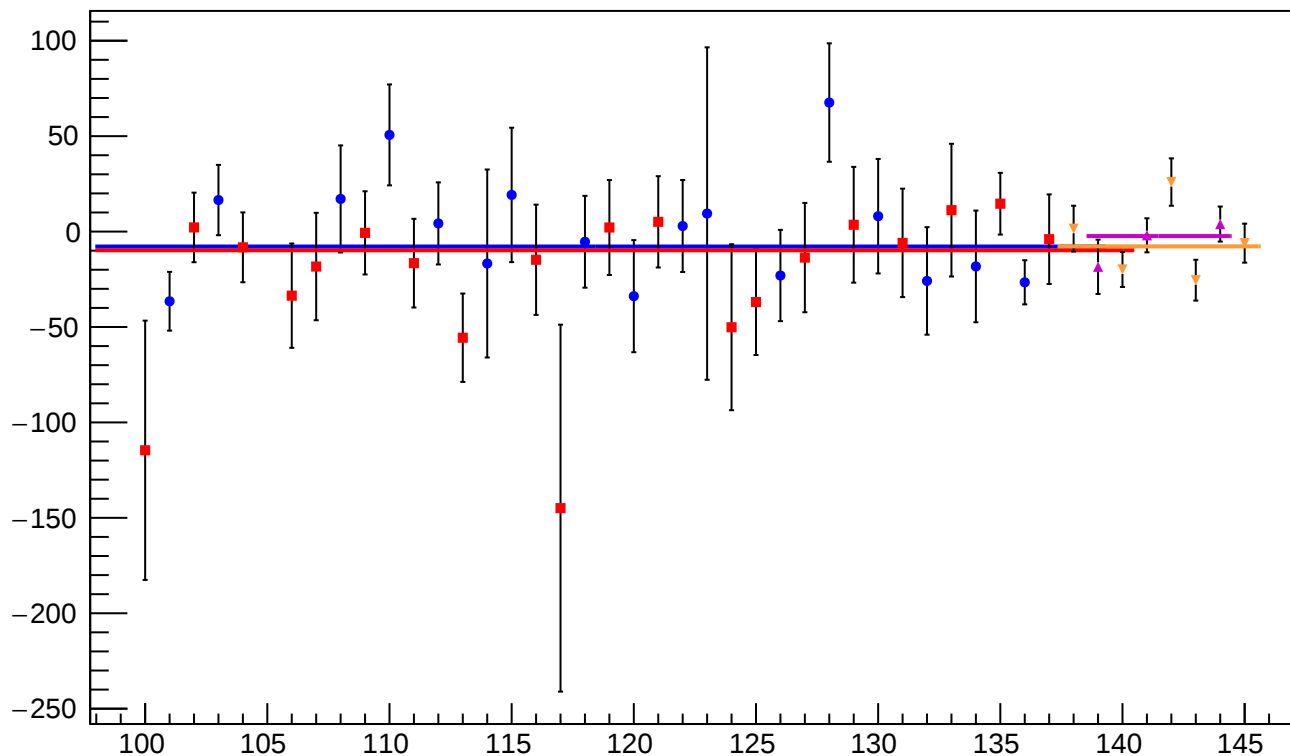


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

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

Left Out: -7.751 ± 4.788

$\chi^2/\text{NDF}: 12.5/4$

Right Out: -9.781 ± 5.667

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

-7.789 ± 3.641

$\chi^2/\text{NDF}: 35.1/21$

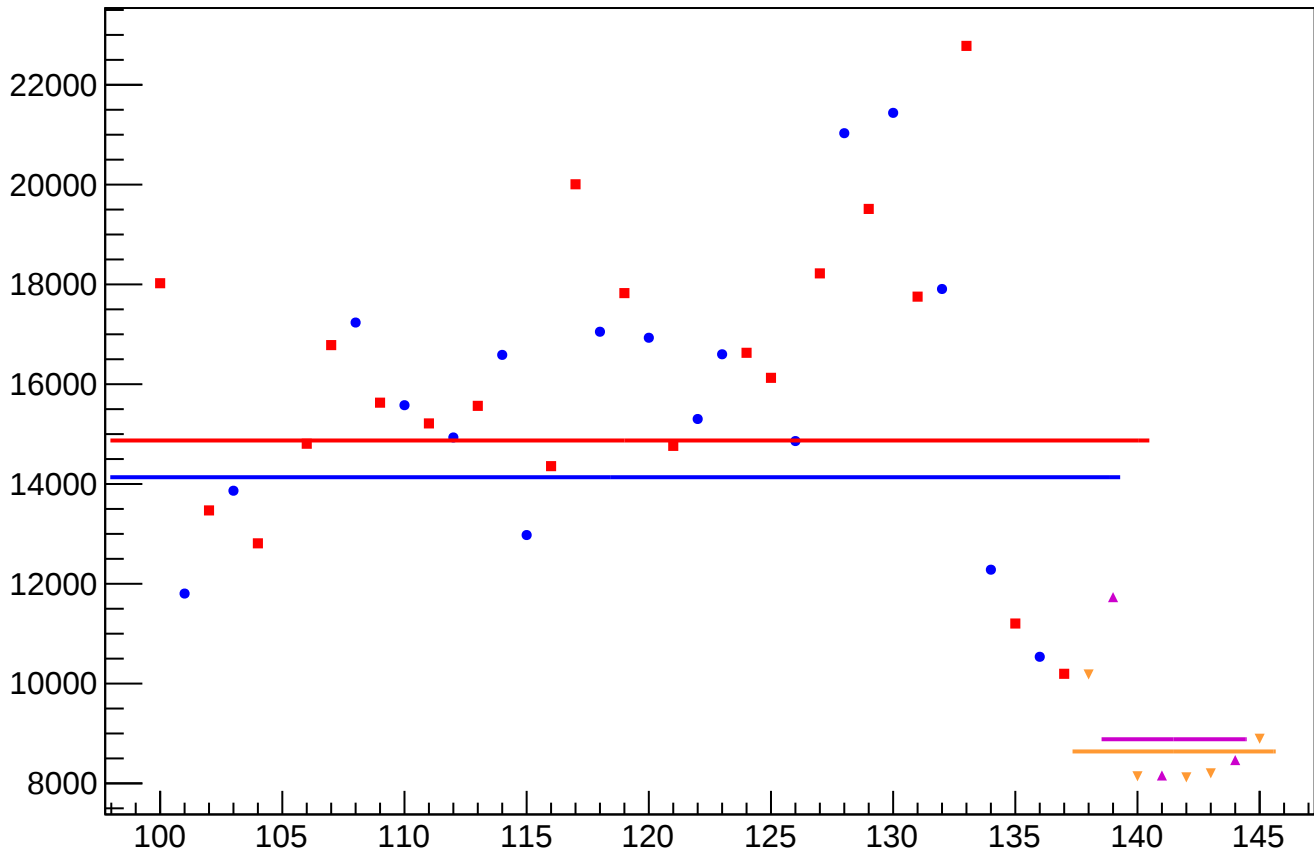
-6.173 ± 4.065

$\chi^2/\text{NDF}: 17.8/22$

Left In: -2.351 ± 5.833

$\chi^2/\text{NDF}: 1.8/2$

diff_bpm4aX_rms vs Slug



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

Left Out: 8639.619+/-3.385 χ^2/NDF : 46969.2/4

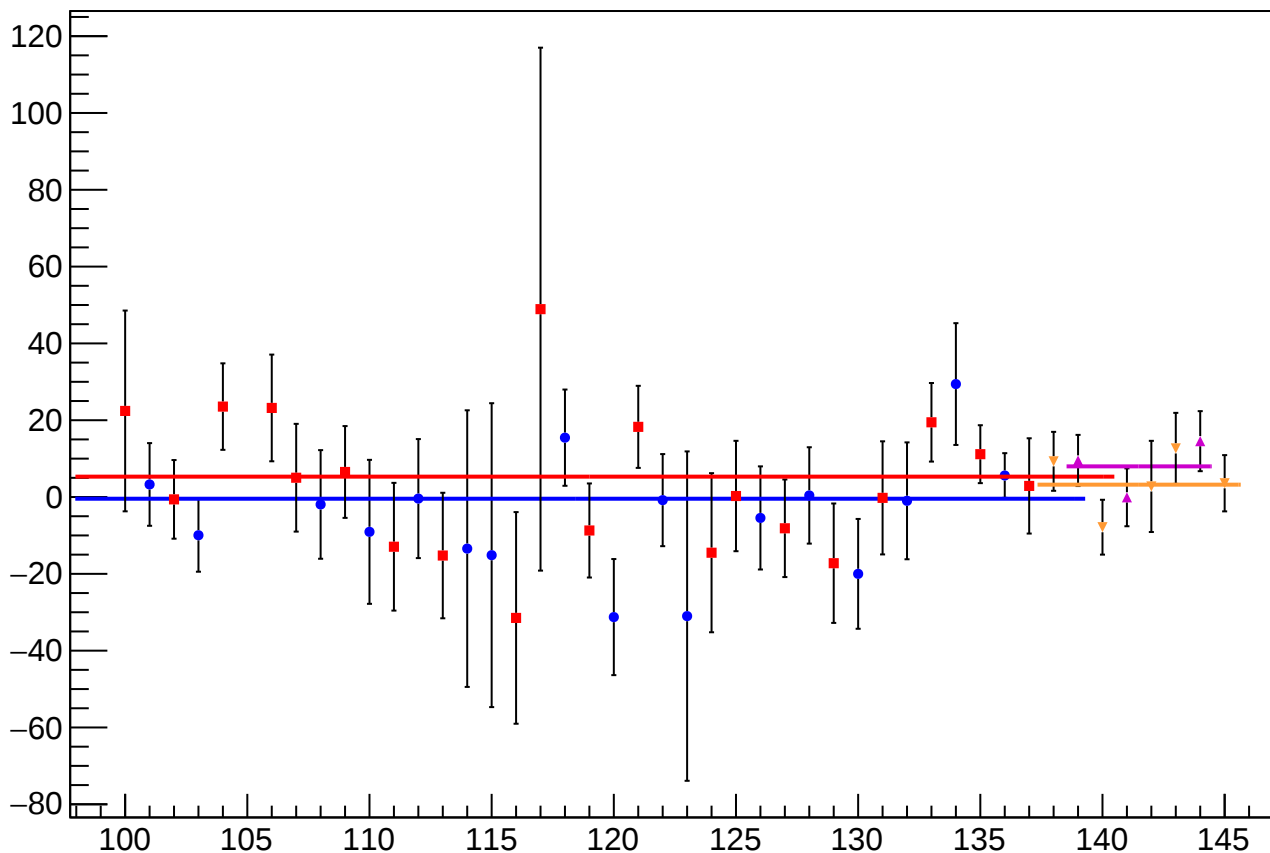
10956.506+/-2.575 χ^2/NDF : 1755256.9/21

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

11964.514+/-2.874 χ^2/NDF : 1659342.7/22

Left In: 8884.284+/-4.125 χ^2/NDF : 97579.2/2

diff_bpm4aY_mean vs Slug



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

Left Out: 3.222 ± 3.675 χ^2/NDF : 4.1/4

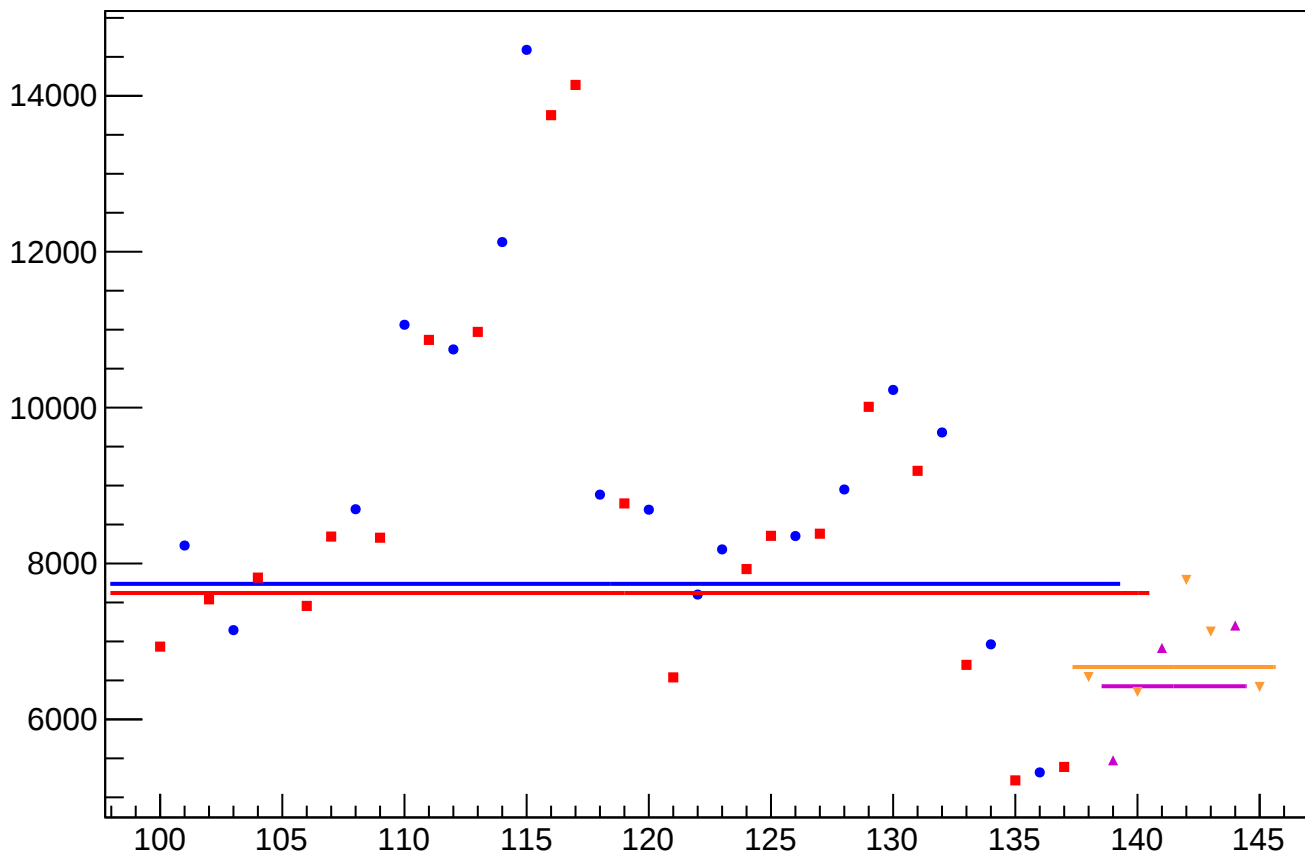
Right Out: 5.310 ± 2.933 χ^2/NDF : 19.8/19

Left In: 7.985 ± 4.206 χ^2/NDF : 1.9/2

1.065 ± 2.357 χ^2/NDF : 19.2/21

6.185 ± 2.406 χ^2/NDF : 21.9/22

diff_bpm4aY_rms vs Slug



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

Left Out: 6672.067+/-2.599 χ^2/NDF : 29575.1/4

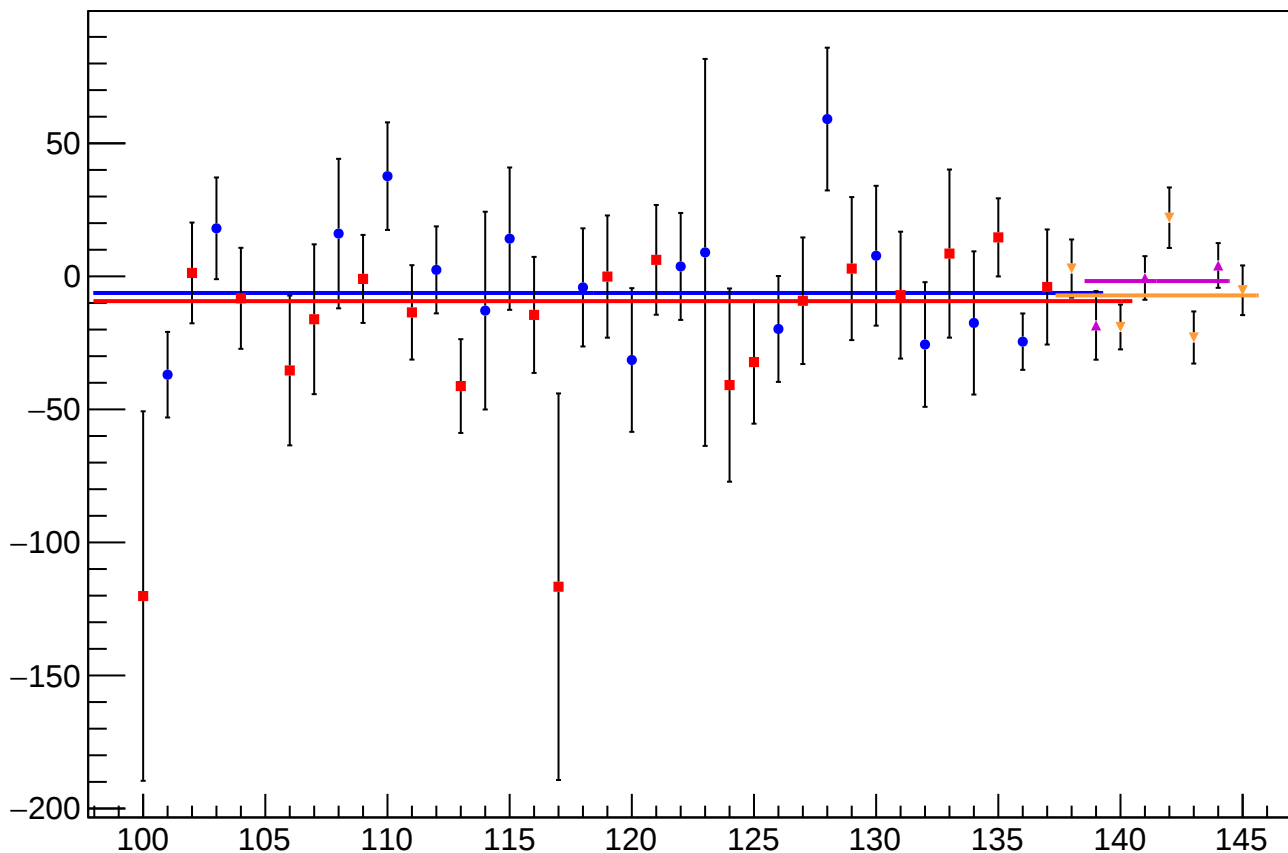
Right Out: 7621.652+/-2.074 χ^2/NDF : 697548.6/19

Left In: 6425.276+/-2.974 χ^2/NDF : 69039.6/2

7300.280+/-1.666 χ^2/NDF : 869637.5/21

7230.184+/-1.701 χ^2/NDF : 875466.6/22

diff_bpm4eX_mean vs Slug



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

Left Out: -7.156 ± 4.380 $\chi^2/\text{NDF}: 12.1/4$

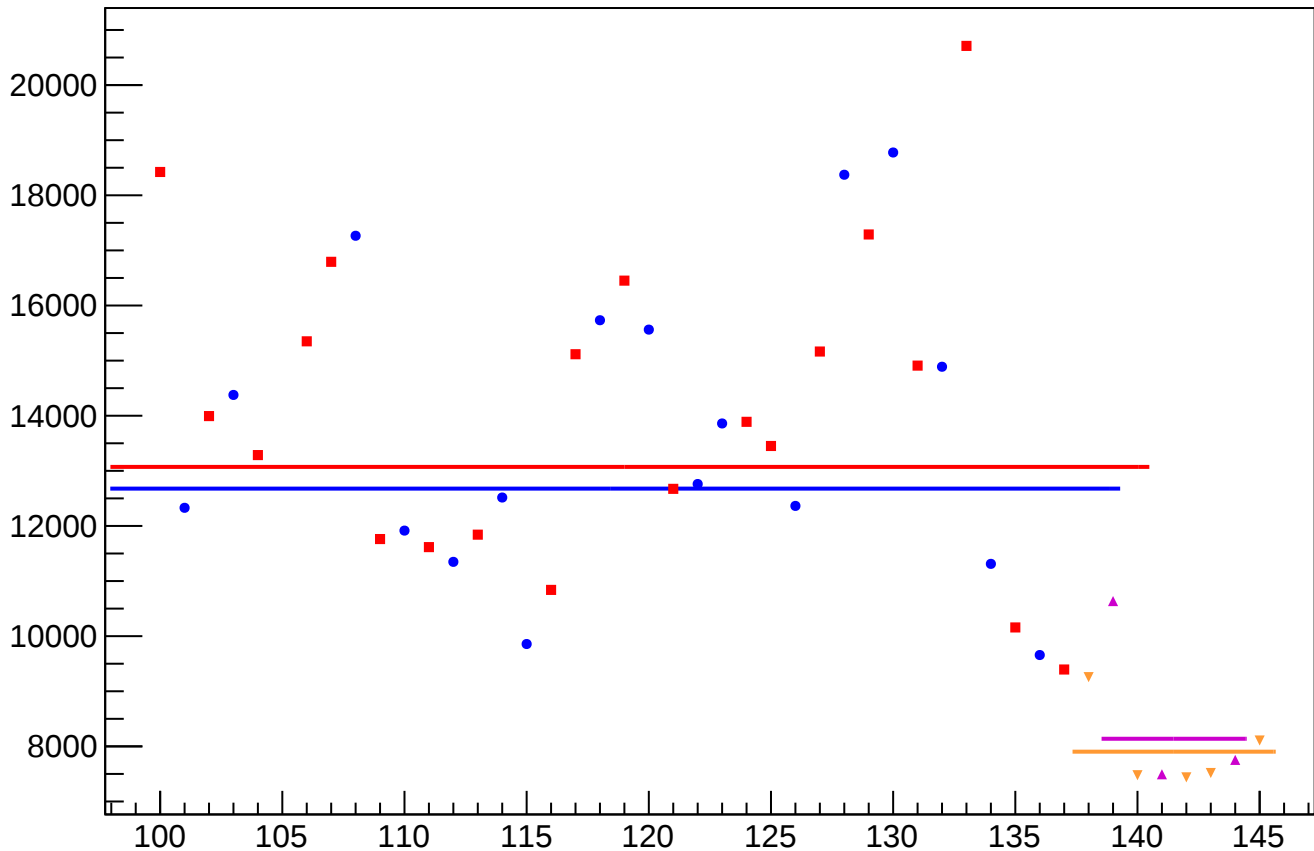
Right Out: -9.310 ± 4.987 $\chi^2/\text{NDF}: 15.3/19$

Left In: -1.765 ± 5.340 $\chi^2/\text{NDF}: 2.2/2$

-6.762 ± 3.300 $\chi^2/\text{NDF}: 35.3/21$

-5.795 ± 3.645 $\chi^2/\text{NDF}: 18.6/22$

diff_bpm4eX_rms vs Slug



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

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

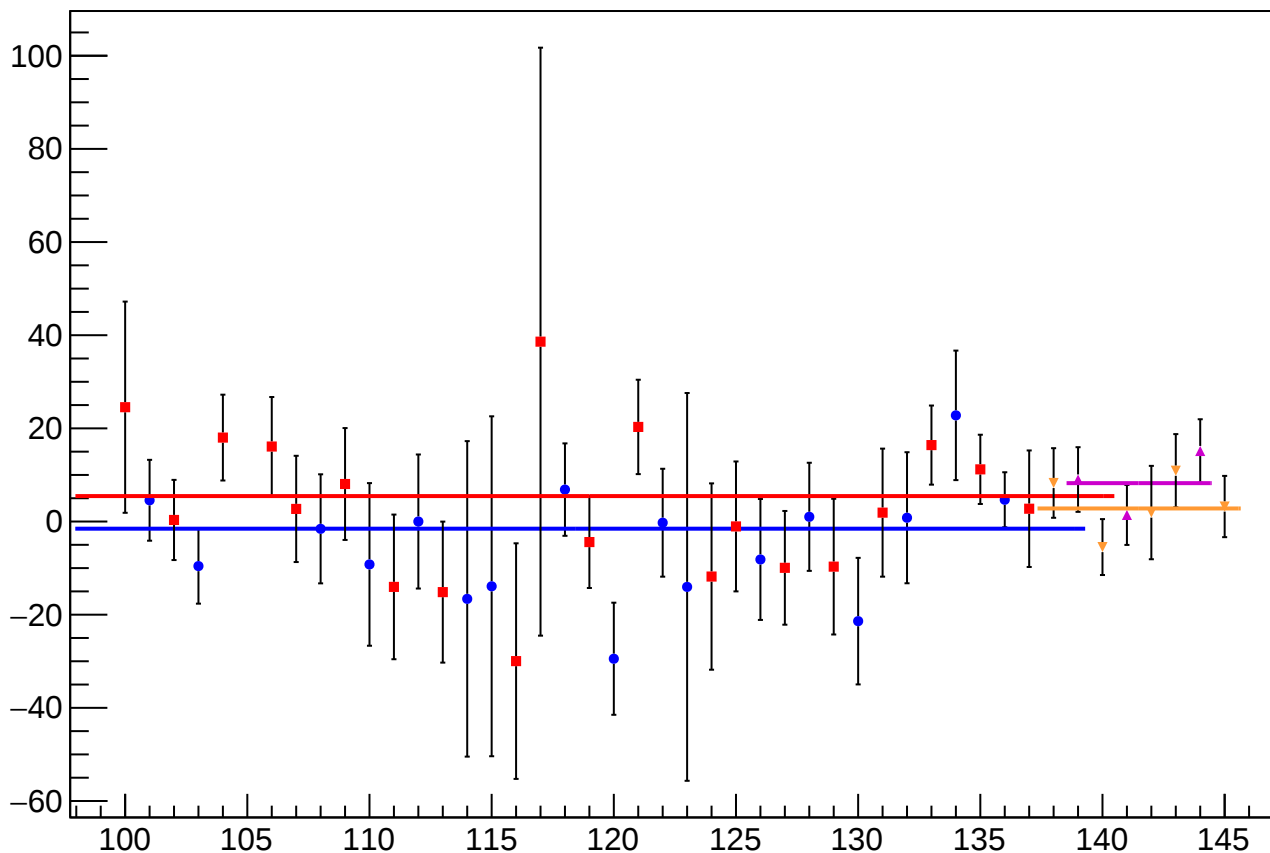
9968.639+/-2.333 χ^2/NDF : 1624189.8/21

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

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

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

diff_bpm4eY_mean vs Slug



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

Left Out: 2.804 ± 3.246 χ^2/NDF : 3.5/4

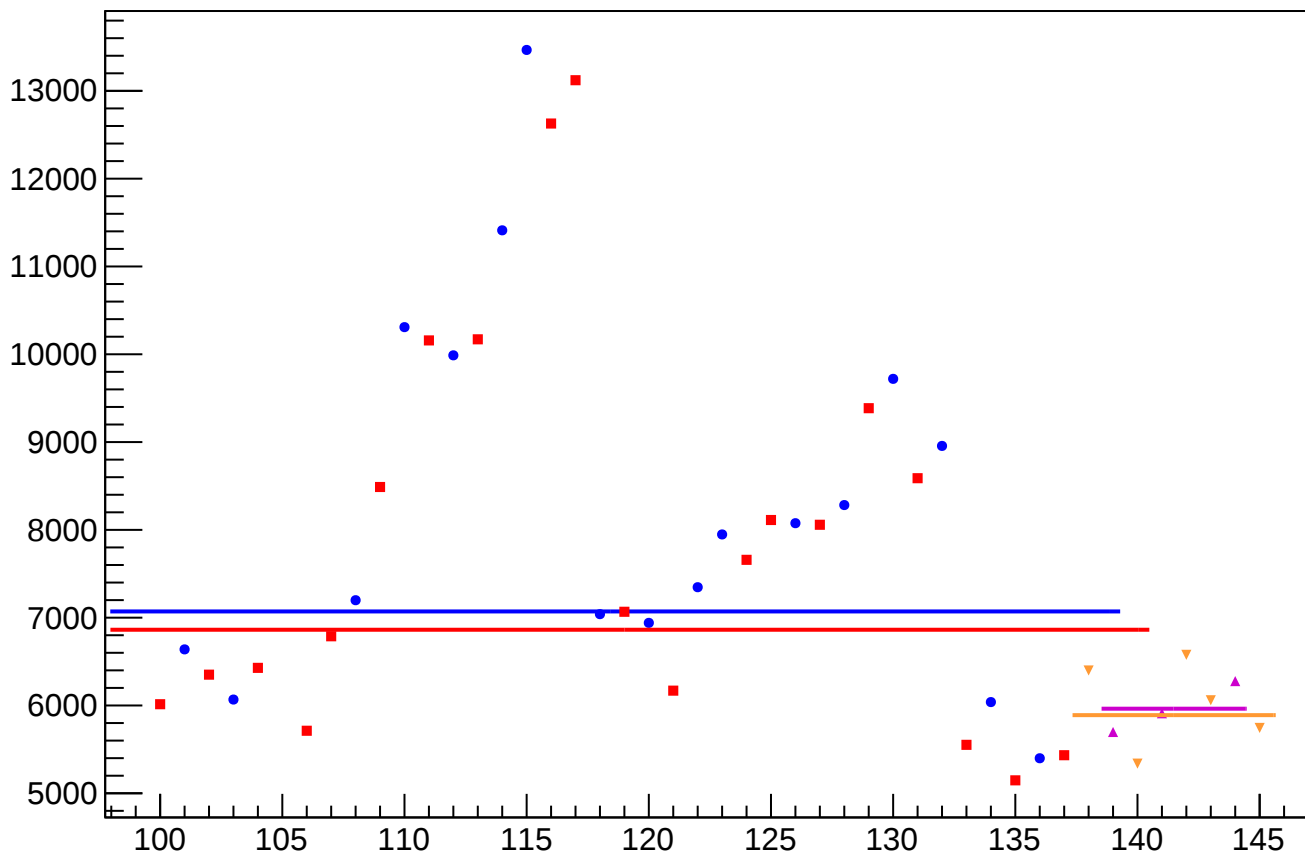
Right Out: 5.463 ± 2.637 χ^2/NDF : 18.9/19

Left In: 8.241 ± 3.880 χ^2/NDF : 2.2/2

0.307 ± 2.116 χ^2/NDF : 19.4/21

6.341 ± 2.181 χ^2/NDF : 21.4/22

diff_bpm4eY_rms vs Slug



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

Left Out: 5889.936+/-2.295 χ^2/NDF : 37499.1/4

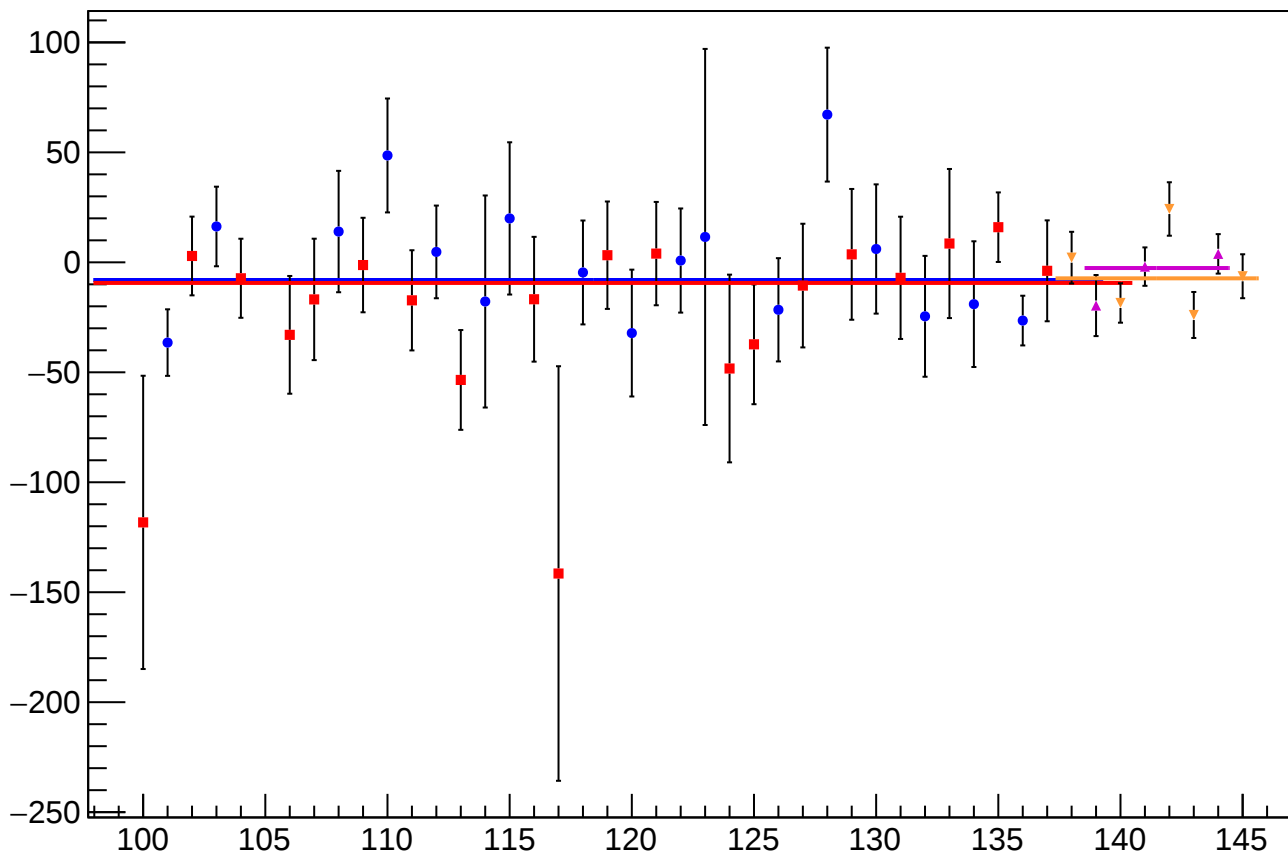
Right Out: 6862.551+/-1.865 χ^2/NDF : 704099.3/19

Left In: 5963.339+/-2.743 χ^2/NDF : 7304.4/2

6569.096+/-1.496 χ^2/NDF : 790530.3/21

6578.357+/-1.542 χ^2/NDF : 784885.8/22

diff_bpm4acX_mean vs Slug



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

Left Out: -7.282+/-4.683 χ^2/NDF : 11.5/4

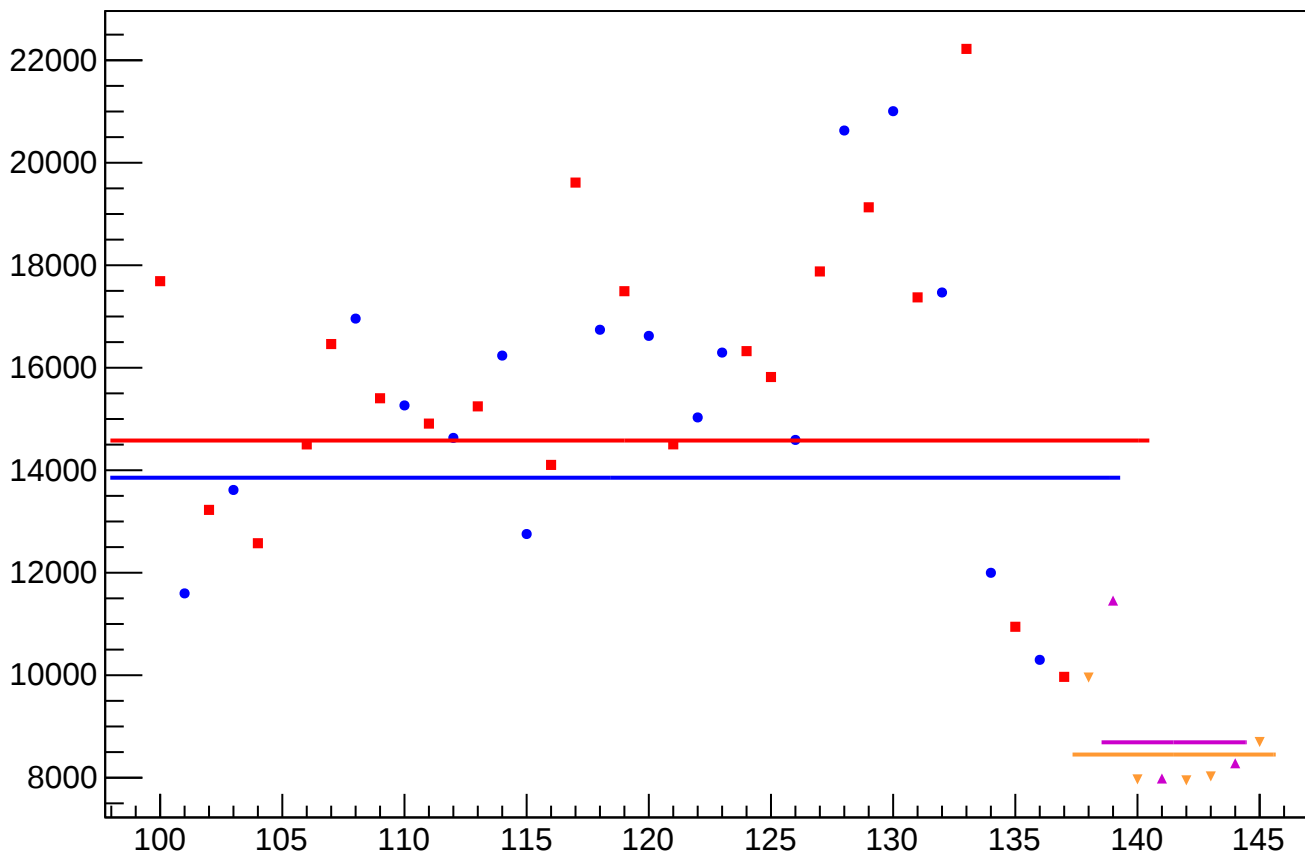
Right Out: -9.368+/-5.556 χ^2/NDF : 15.7/19

Left In: -2.592+/-5.706 χ^2/NDF : 2.0/2

-7.599+/-3.565 χ^2/NDF : 34.1/21

-6.069+/-3.981 χ^2/NDF : 18.4/22

diff_bpm4acX_rms vs Slug



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

Left Out: 8452.285+/-3.312 χ^2/NDF : 46512.9/4

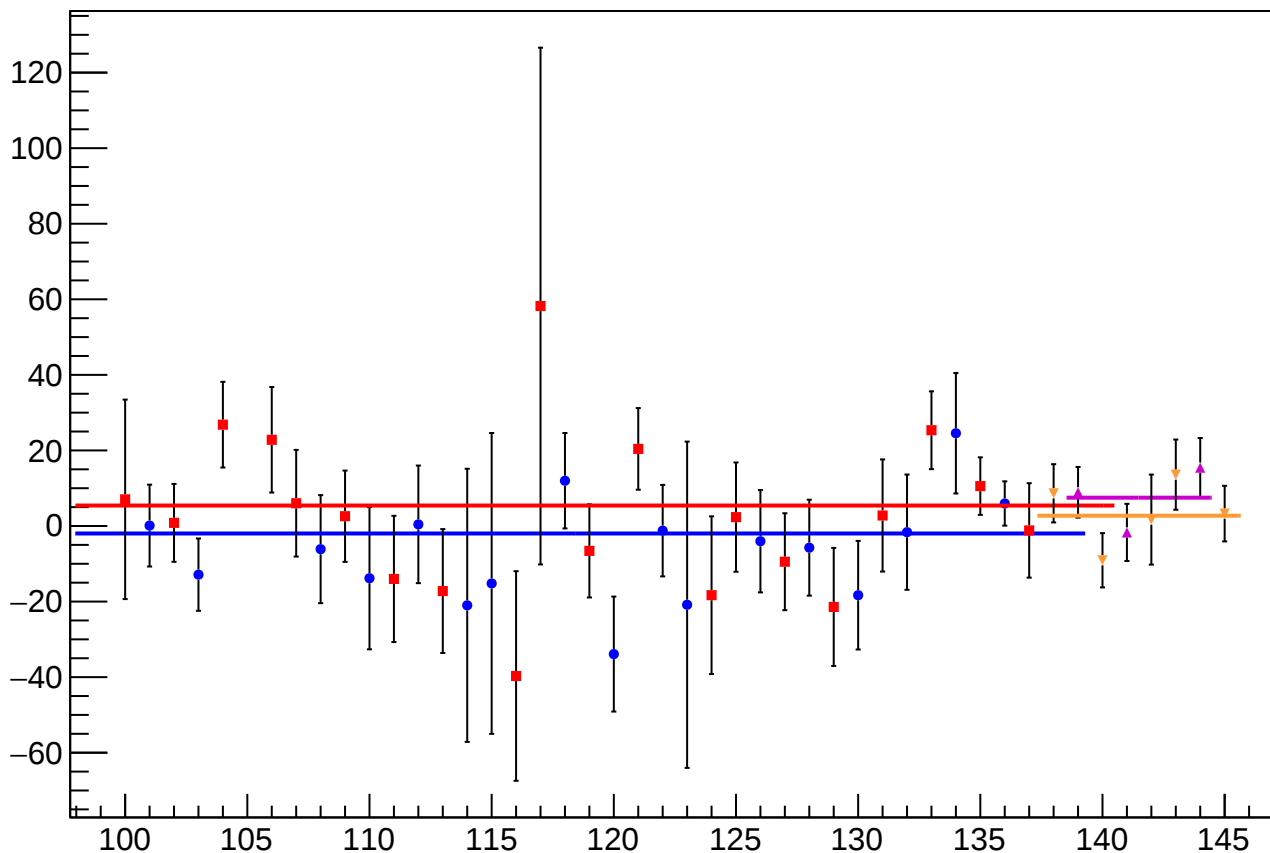
10723.960+/-2.521 χ^2/NDF : 1766501.0/21

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

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

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

diff_bpm4acY_mean vs Slug



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

Left Out: 2.725 ± 3.693 χ^2/NDF : 4.7/4

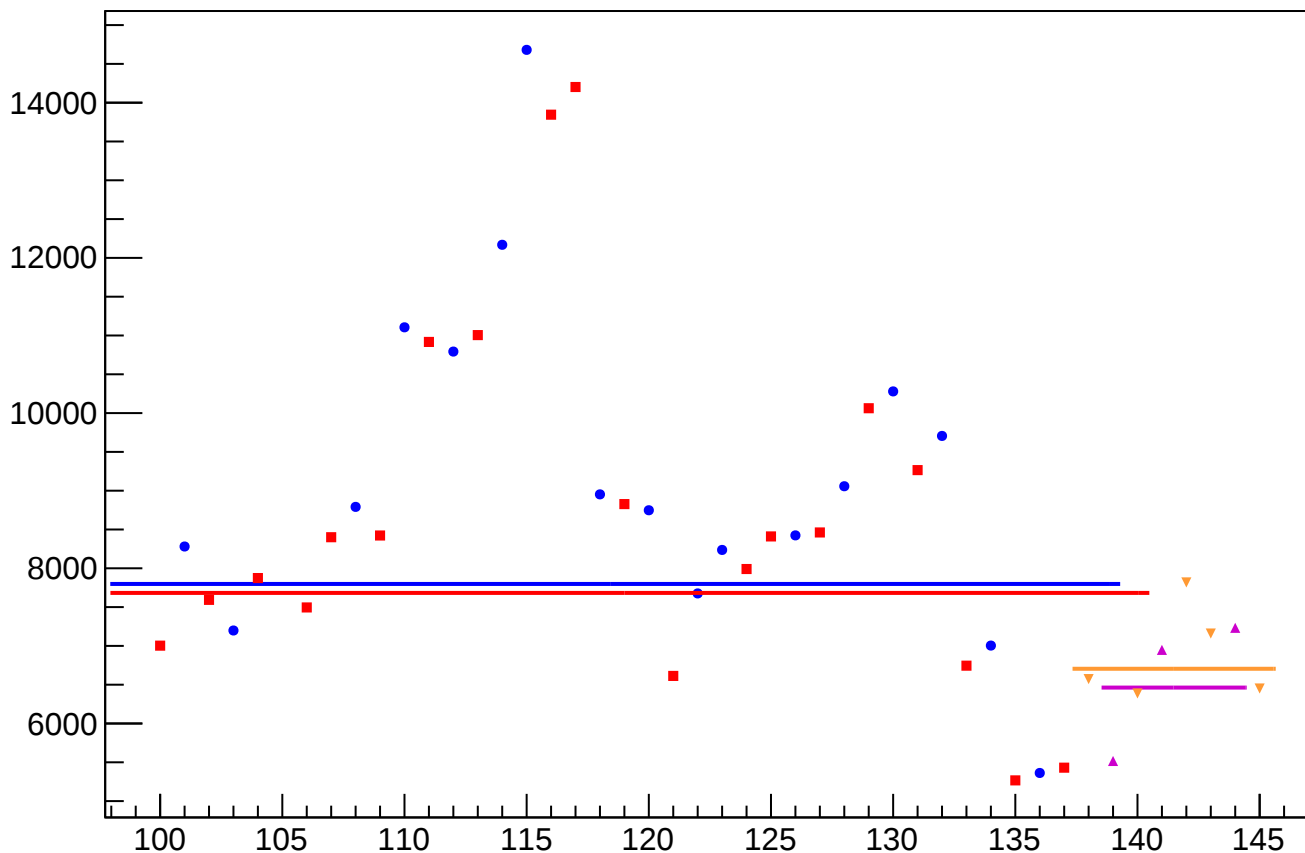
Right Out: 5.417 ± 2.956 χ^2/NDF : 24.9/19

Left In: 7.495 ± 4.229 χ^2/NDF : 2.5/2

-0.038 ± 2.372 χ^2/NDF : 19.7/21

6.099 ± 2.423 χ^2/NDF : 27.6/22

diff_bpm4acY_rms vs Slug



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

Left Out: 6705.277+/-2.612 χ^2/NDF : 29129.3/4

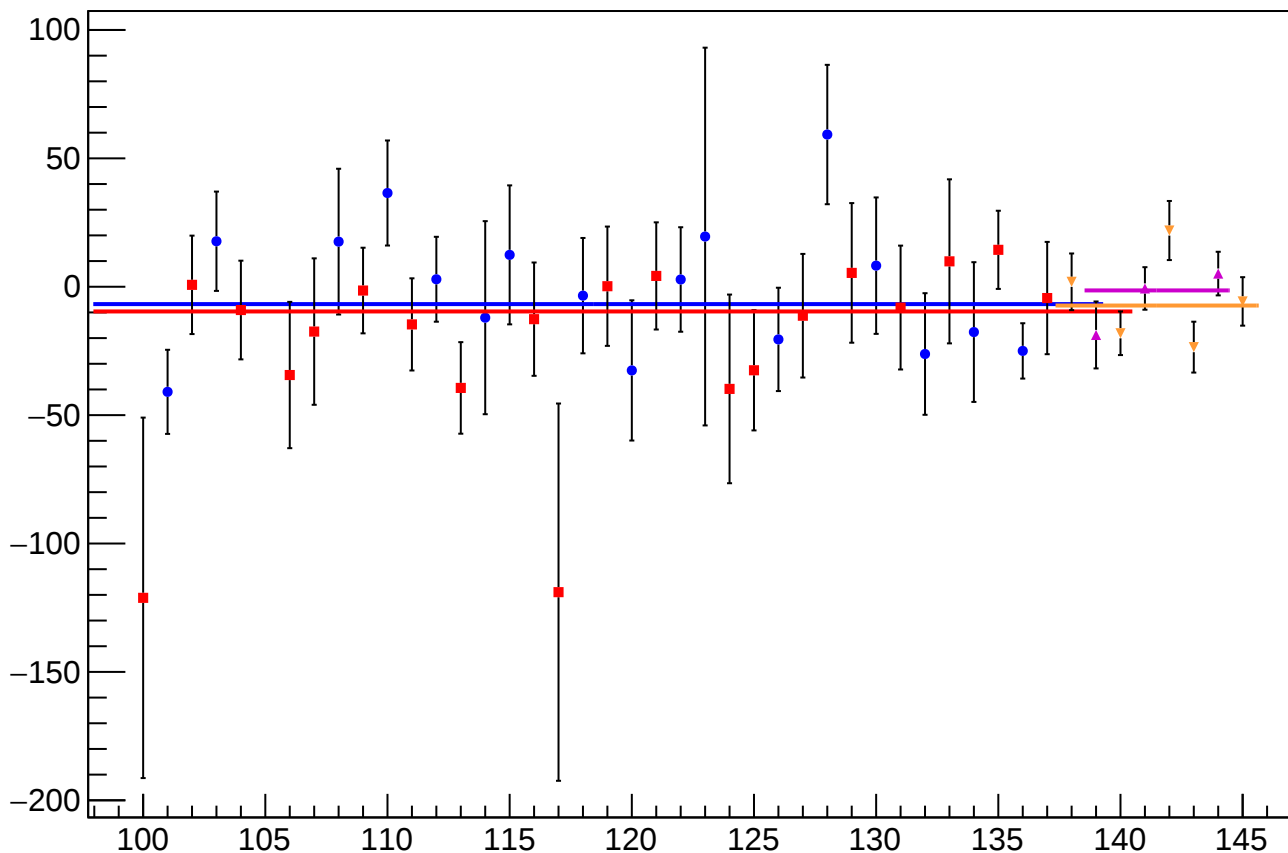
Right Out: 7682.786+/-2.090 χ^2/NDF : 690901.2/19

Left In: 6462.797+/-2.990 χ^2/NDF : 67240.1/2

7347.542+/-1.677 χ^2/NDF : 868340.0/21

7282.428+/-1.713 χ^2/NDF : 869956.8/22

diff_bpm4ecX_mean vs Slug



Right In: -6.760 ± 5.085 $\chi^2/\text{NDF}: 23.7/16$

Left Out: -7.317 ± 4.426 $\chi^2/\text{NDF}: 11.5/4$

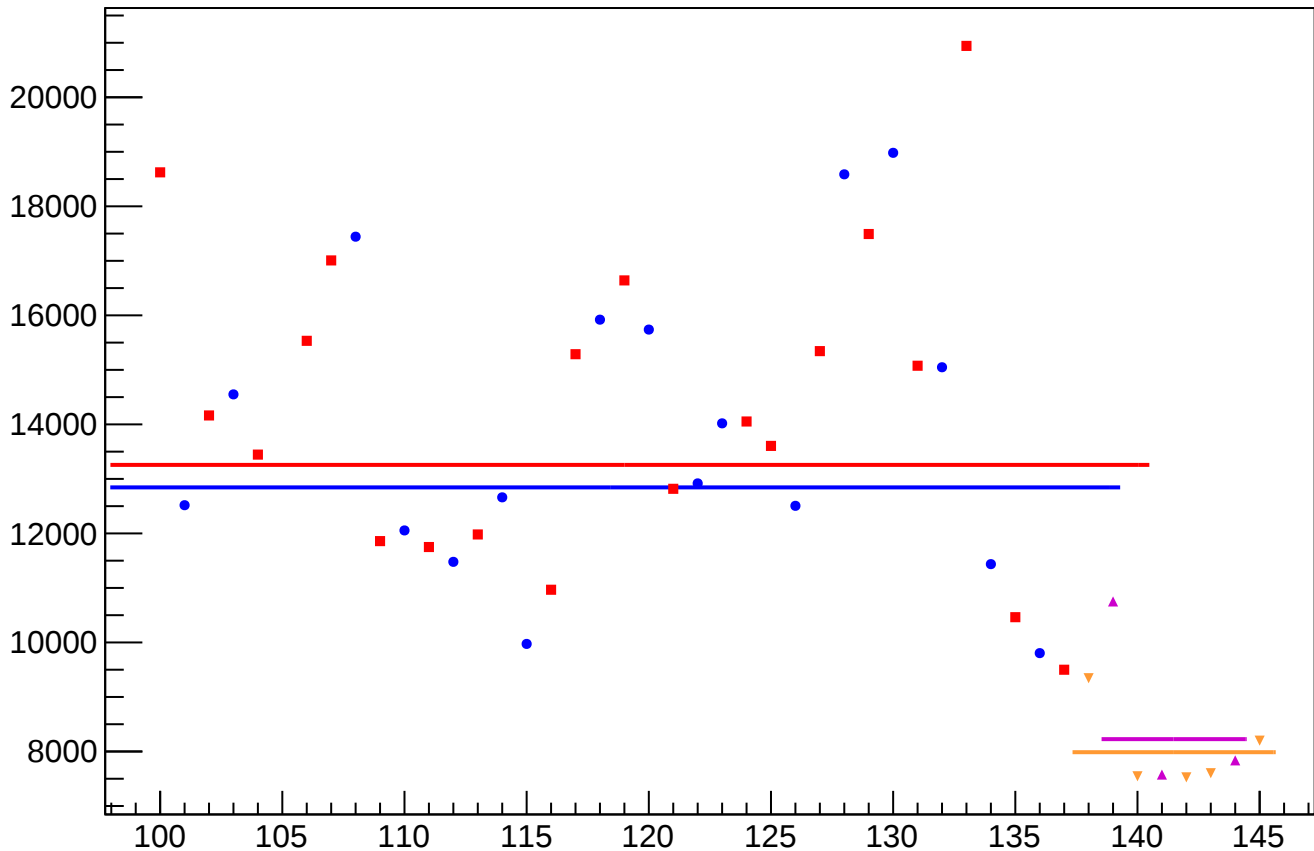
Right Out: -9.622 ± 5.058 $\chi^2/\text{NDF}: 14.5/19$

Left In: -1.431 ± 5.398 $\chi^2/\text{NDF}: 2.4/2$

-7.076 ± 3.339 $\chi^2/\text{NDF}: 35.2/21$

-5.792 ± 3.691 $\chi^2/\text{NDF}: 18.1/22$

diff_bpm4ecX_rms vs Slug



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

Left Out: 7986.907+/-3.130 χ^2/NDF : 42958.5/4

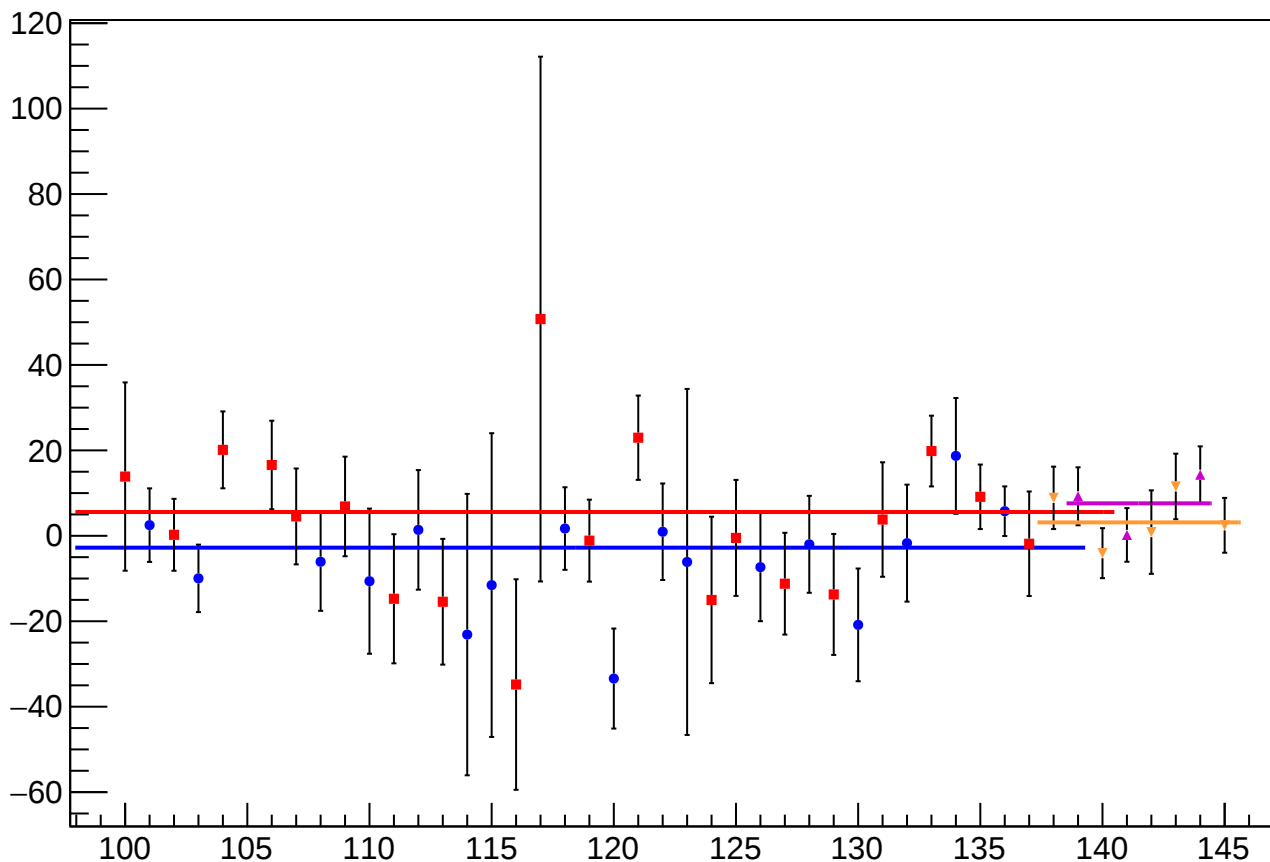
10081.049+/-2.361 χ^2/NDF : 1628543.3/21

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

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

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

diff_bpm4ecY_mean vs Slug



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

Left Out: 3.140+/-3.167 χ^2 /NDF: 3.4/4

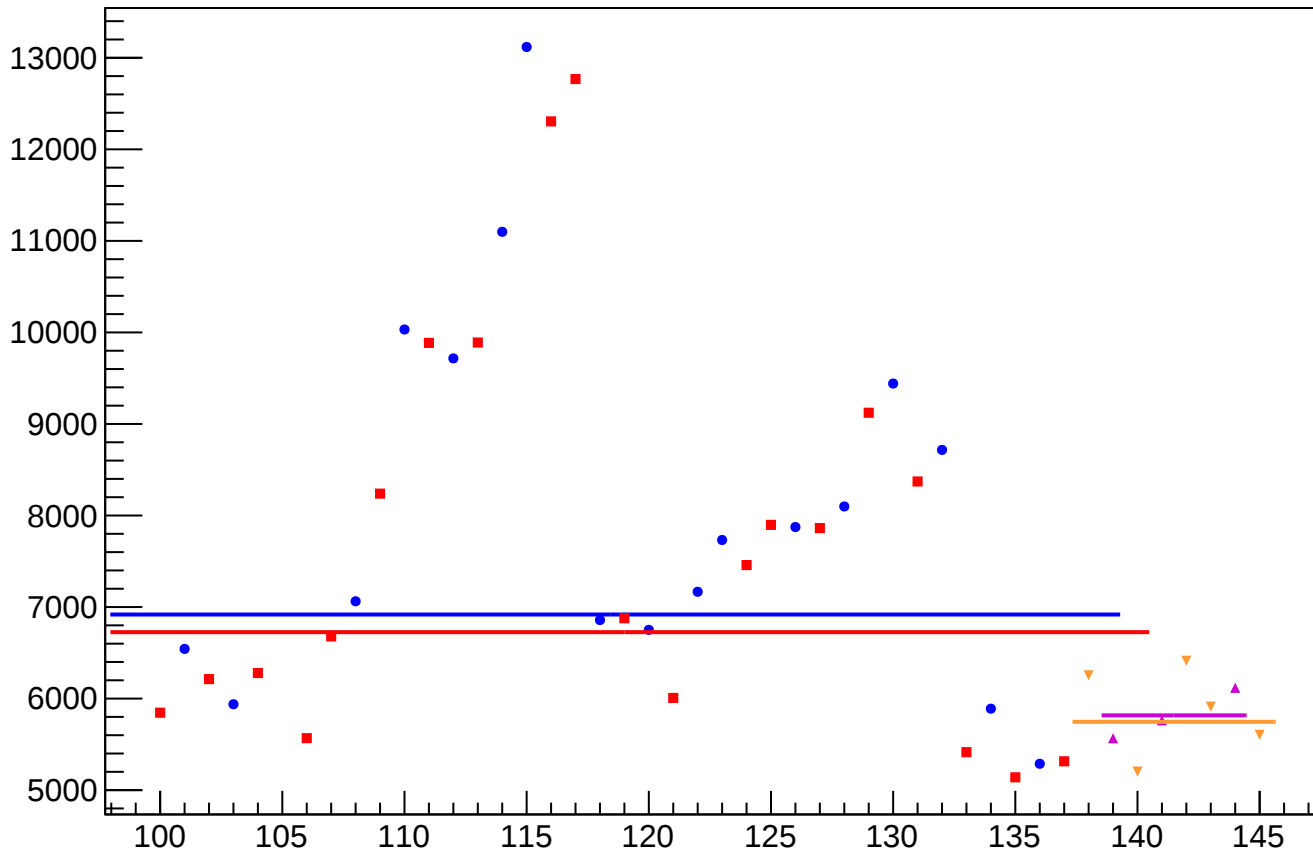
Right Out: 5.571+/-2.585 χ^2 /NDF: 23.7/19

Left In: 7.600+/-3.784 χ^2 /NDF: 2.5/2

-0.251+/-2.068 χ^2 /NDF: 21.3/21

6.217+/-2.135 χ^2 /NDF: 26.4/22

diff_bpm4ecY_rms vs Slug



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

Left Out: 5746.458+/-2.239 χ^2/NDF : 38127.0/4

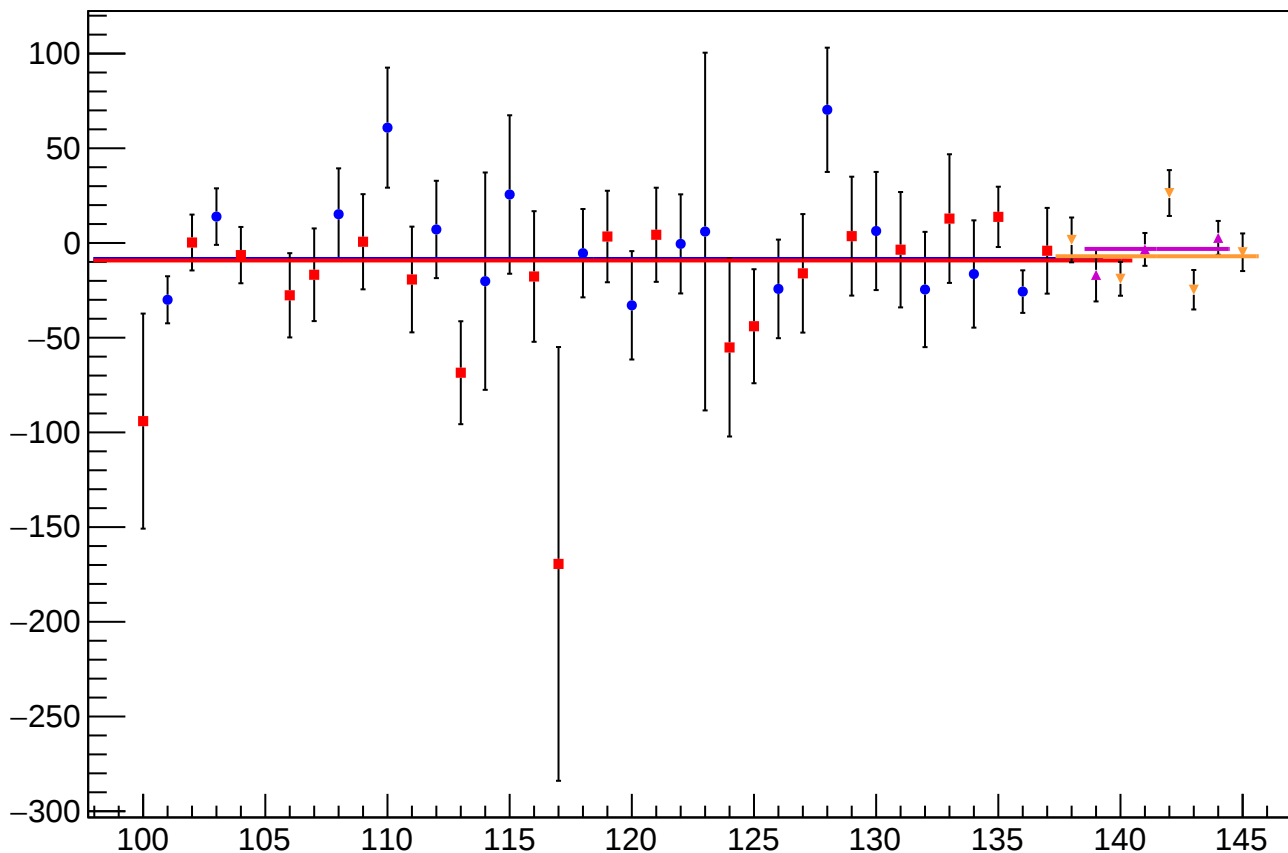
Right Out: 6725.745+/-1.828 χ^2/NDF : 675399.9/19

Left In: 5816.853+/-2.676 χ^2/NDF : 6978.8/2

6418.464+/-1.463 χ^2/NDF : 782236.1/21

6436.562+/-1.509 χ^2/NDF : 761037.0/22

diff_bpm1X_mean vs Slug



Right In: -8.448 ± 5.393 $\chi^2/\text{NDF}: 22.0/16$

Left Out: -7.012 ± 4.674 $\chi^2/\text{NDF}: 12.8/4$

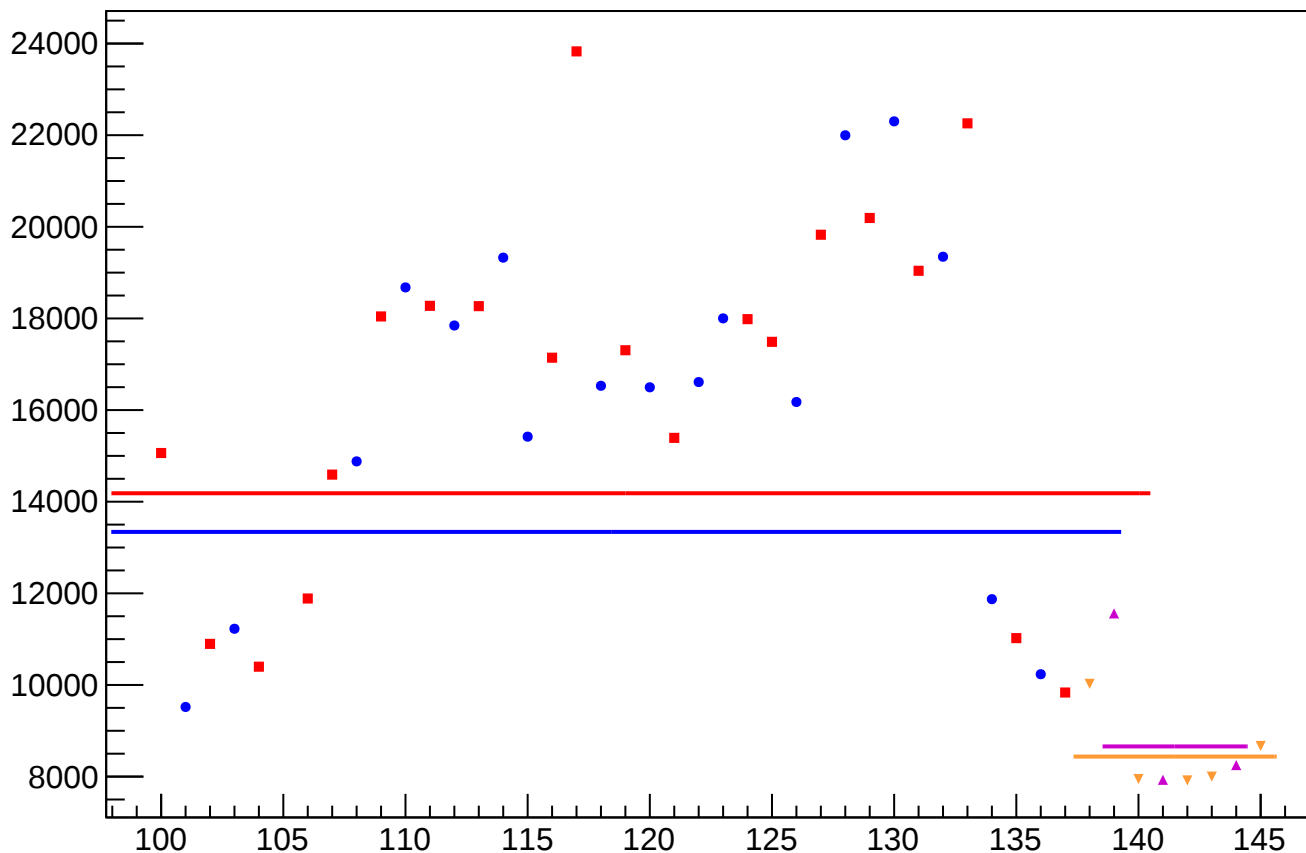
Right Out: -9.224 ± 5.502 $\chi^2/\text{NDF}: 16.2/19$

Left In: -3.139 ± 5.689 $\chi^2/\text{NDF}: 1.4/2$

-7.628 ± 3.532 $\chi^2/\text{NDF}: 34.9/21$

-6.284 ± 3.955 $\chi^2/\text{NDF}: 18.2/22$

diff_bpm1X_rms vs Slug



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

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

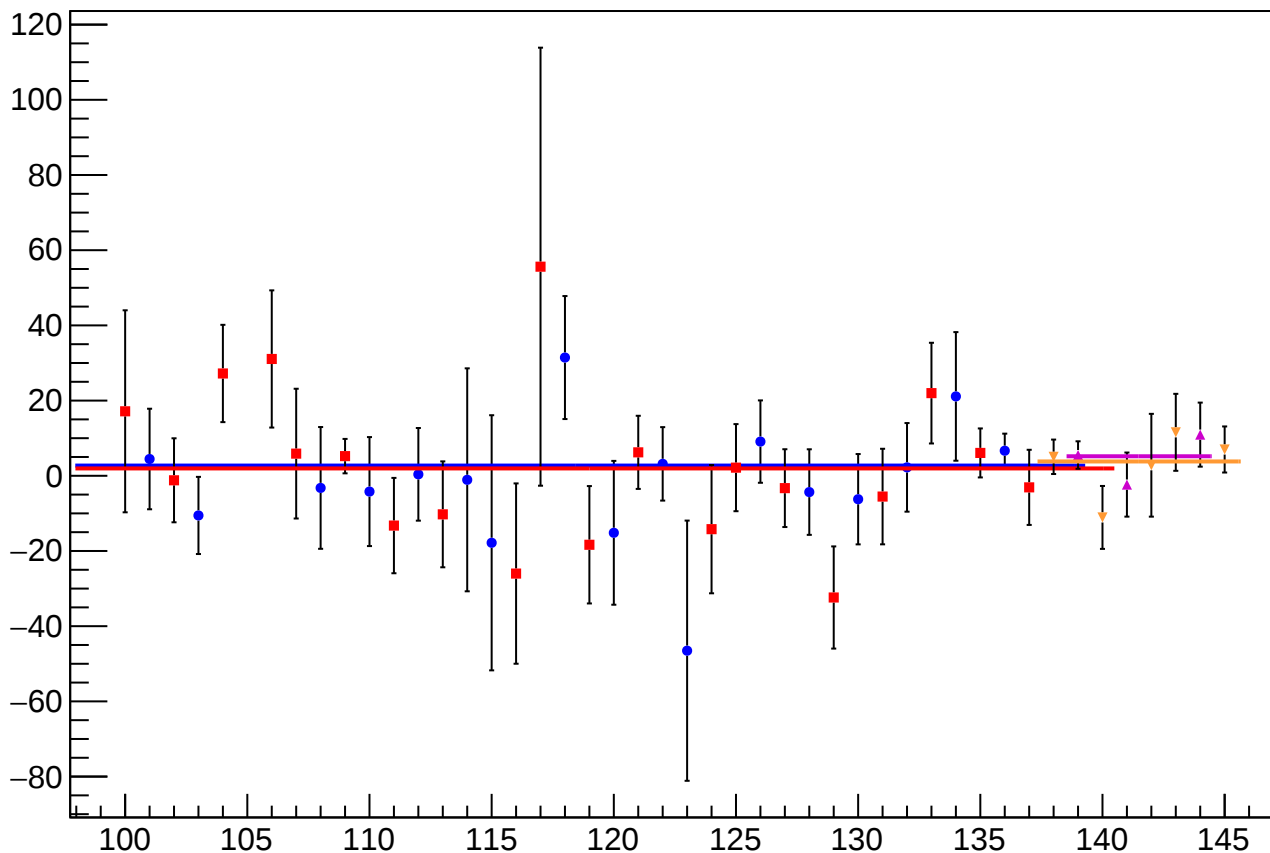
Right Out: 14184.146+/-3.891 χ^2/NDF : 946010.4/19

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

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

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

diff_bpm1Y_mean vs Slug



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

Left Out: 3.811 $\pm$ 3.109 χ^2 /NDF: 4.1/4

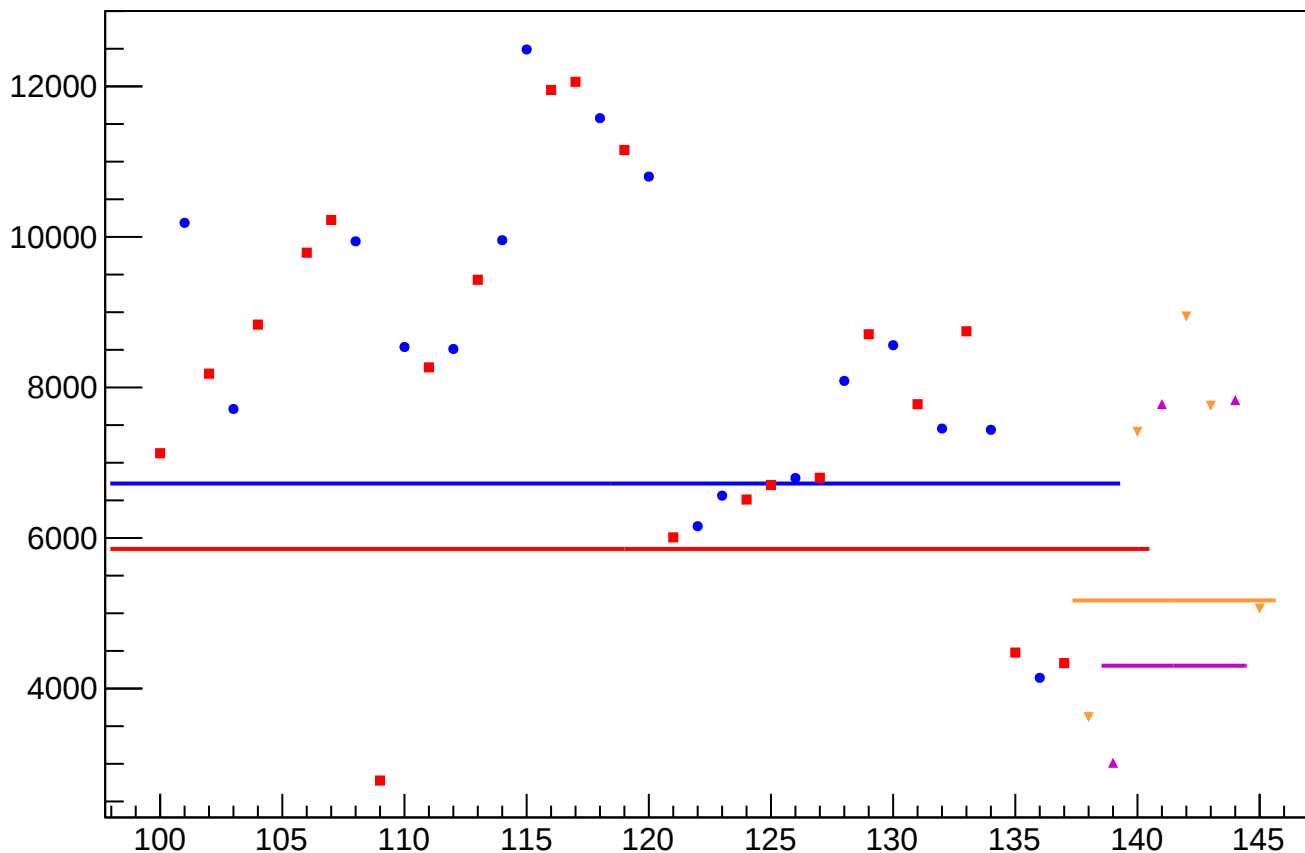
Right Out: 1.955 $\pm$ 2.437 χ^2 /NDF: 24.4/19

Left In: 5.192 $\pm$ 3.125 χ^2 /NDF: 1.2/2

3.198 $\pm$ 2.061 χ^2 /NDF: 15.8/21

3.179 $\pm$ 1.922 χ^2 /NDF: 26.3/22

diff_bpm1Y_rms vs Slug



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

Left Out: 5170.670+/-2.198 χ^2/NDF : 653330.0/4

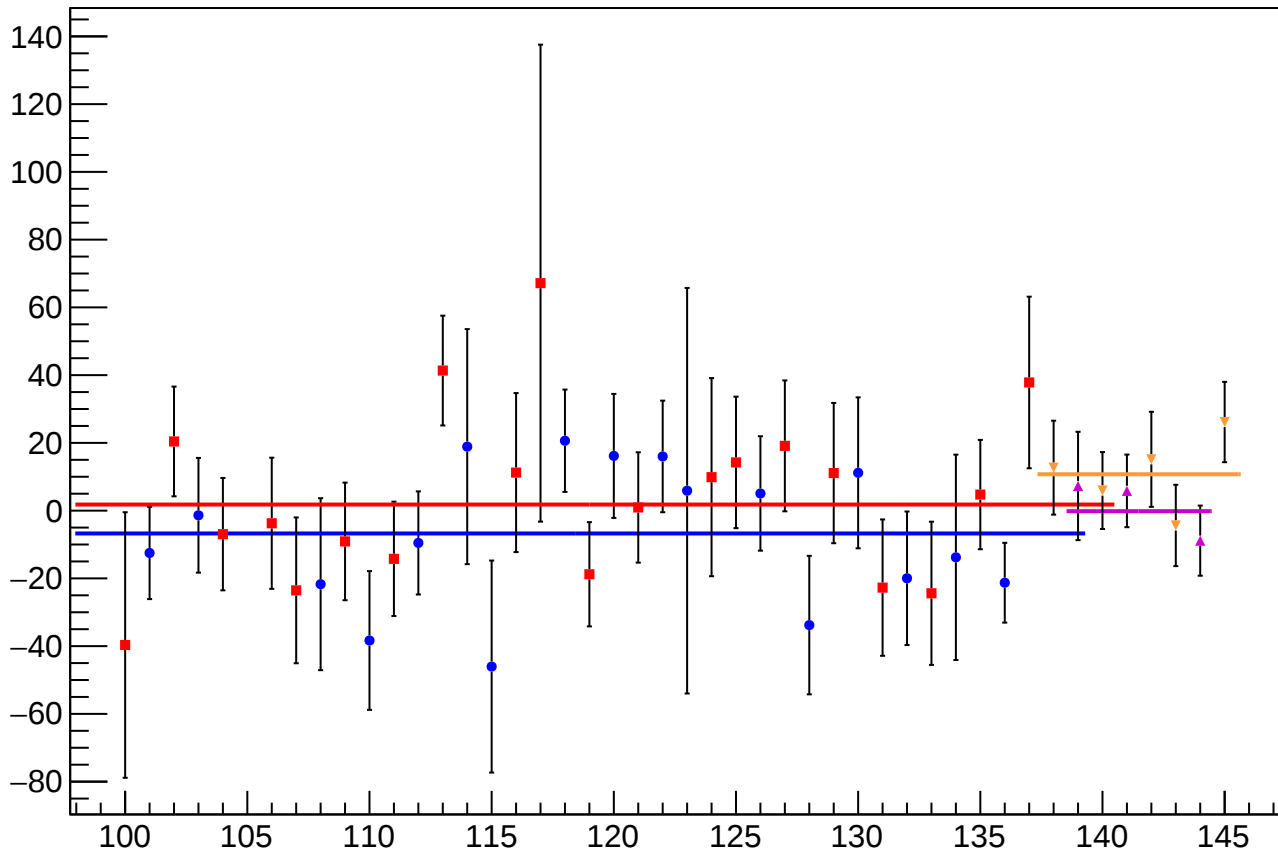
Right Out: 5854.708+/-1.723 χ^2/NDF : 2299964.9/19

Left In: 4303.616+/-2.210 χ^2/NDF : 924907.0/2

6041.420+/-1.457 χ^2/NDF : 2325307.2/21

5268.244+/-1.359 χ^2/NDF : 3531267.3/22

diff_bpm11X_mean vs Slug



Right In: -6.736 ± 4.513 $\chi^2/\text{NDF}: 16.9/16$

Left Out: 10.740 ± 5.583 $\chi^2/\text{NDF}: 3.6/4$

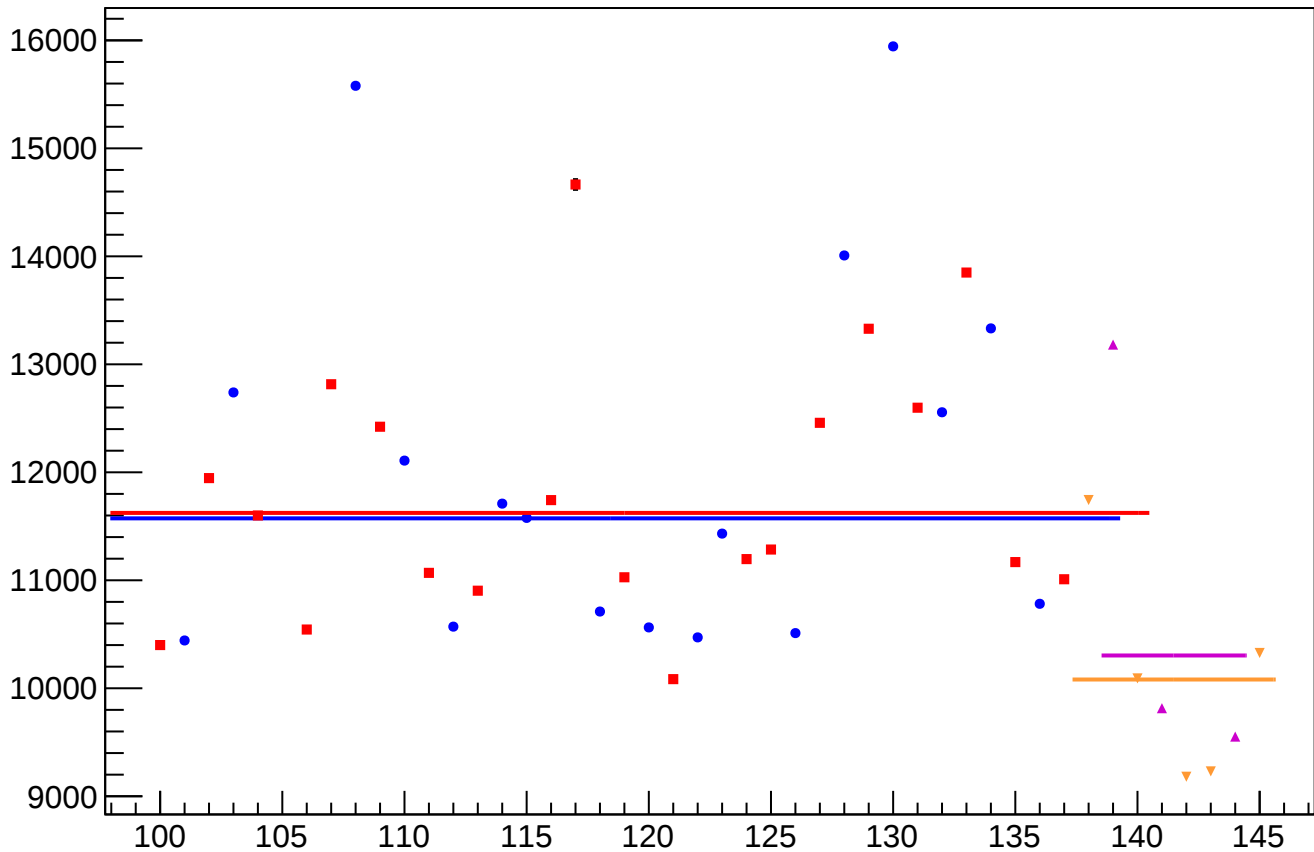
Right Out: 1.802 ± 4.364 $\chi^2/\text{NDF}: 20.8/19$

Left In: -0.158 ± 6.751 $\chi^2/\text{NDF}: 1.2/2$

0.171 ± 3.510 $\chi^2/\text{NDF}: 26.4/21$

1.224 ± 3.665 $\chi^2/\text{NDF}: 22.1/22$

diff_bpm11X_rms vs Slug



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

Left Out: 10081.157 ± 3.947 χ^2/NDF : 47882.0/4

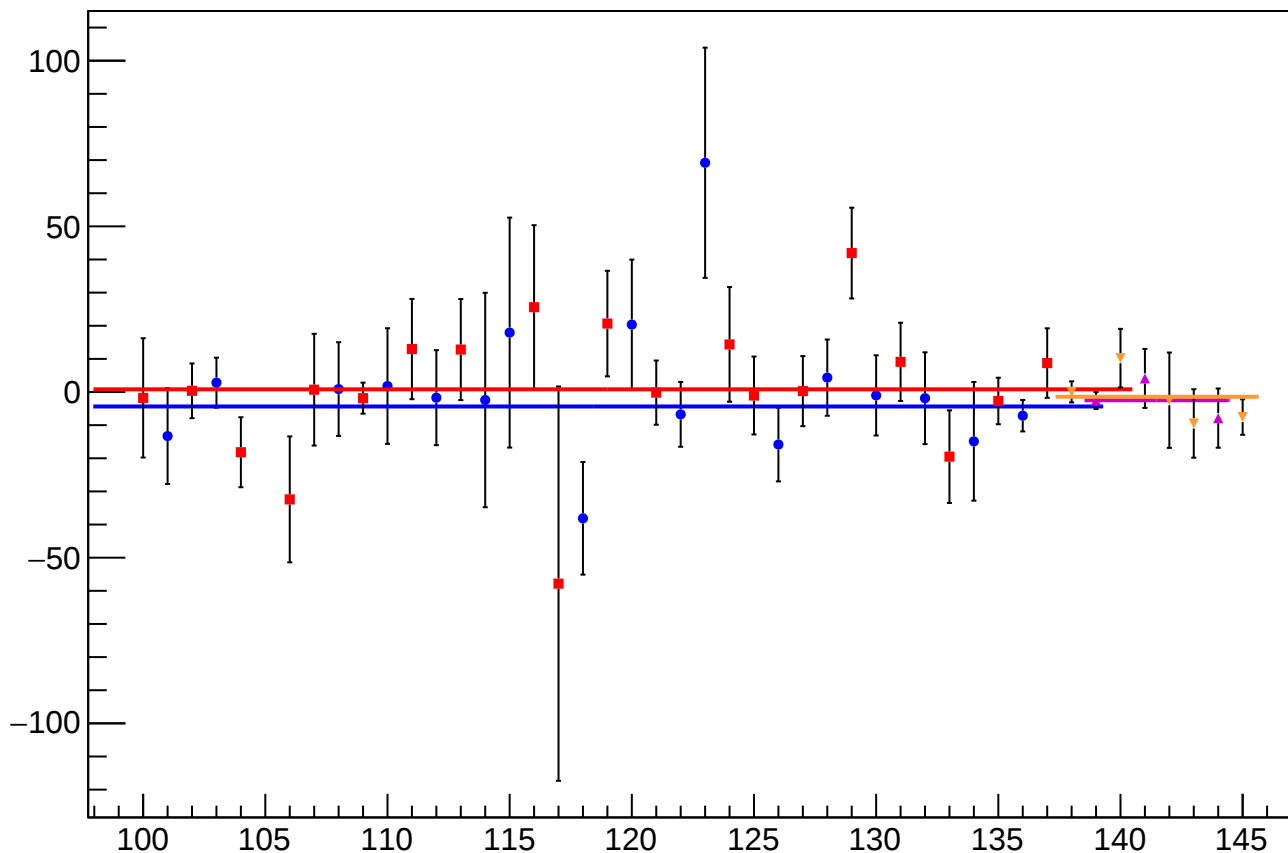
Right Out: 11623.951 ± 3.086 χ^2/NDF : 98055.0/19

Left In: 10303.675 ± 4.773 χ^2/NDF : 79501.4/2

10983.686 ± 2.482 χ^2/NDF : 373052.0/21

11234.831 ± 2.591 χ^2/NDF : 231509.8/22

diff_bpm11Y_mean vs Slug



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

Left Out: -1.425 ± 2.493 $\chi^2/\text{NDF}: 3.9/4$

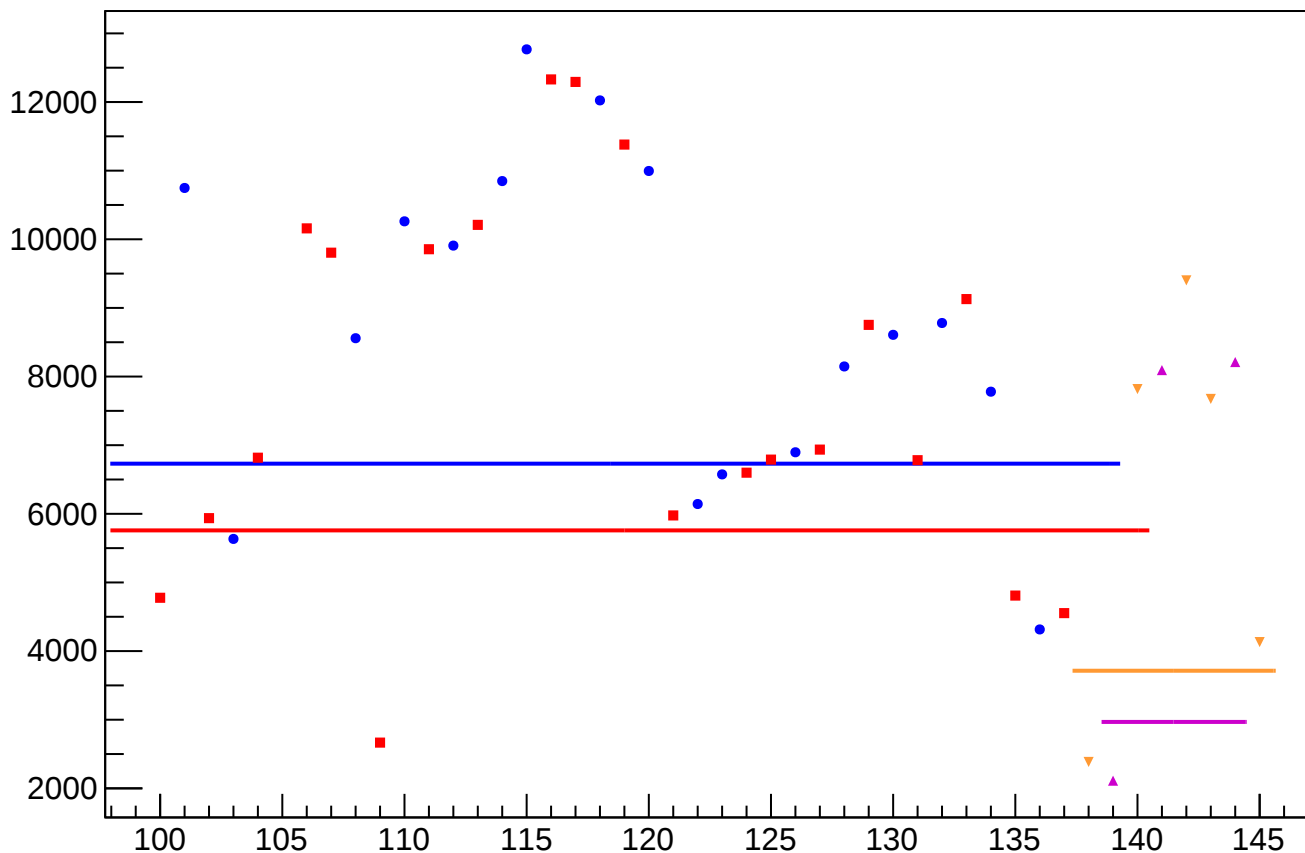
Right Out: 0.816 ± 2.424 $\chi^2/\text{NDF}: 24.5/19$

Left In: -2.483 ± 2.373 $\chi^2/\text{NDF}: 0.9/2$

-2.735 ± 1.855 $\chi^2/\text{NDF}: 19.0/21$

-0.869 ± 1.696 $\chi^2/\text{NDF}: 26.4/22$

diff_bpm11Y_rms vs Slug



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

Left Out: 3713.682+/-1.763 χ^2/NDF :1399089.3/4

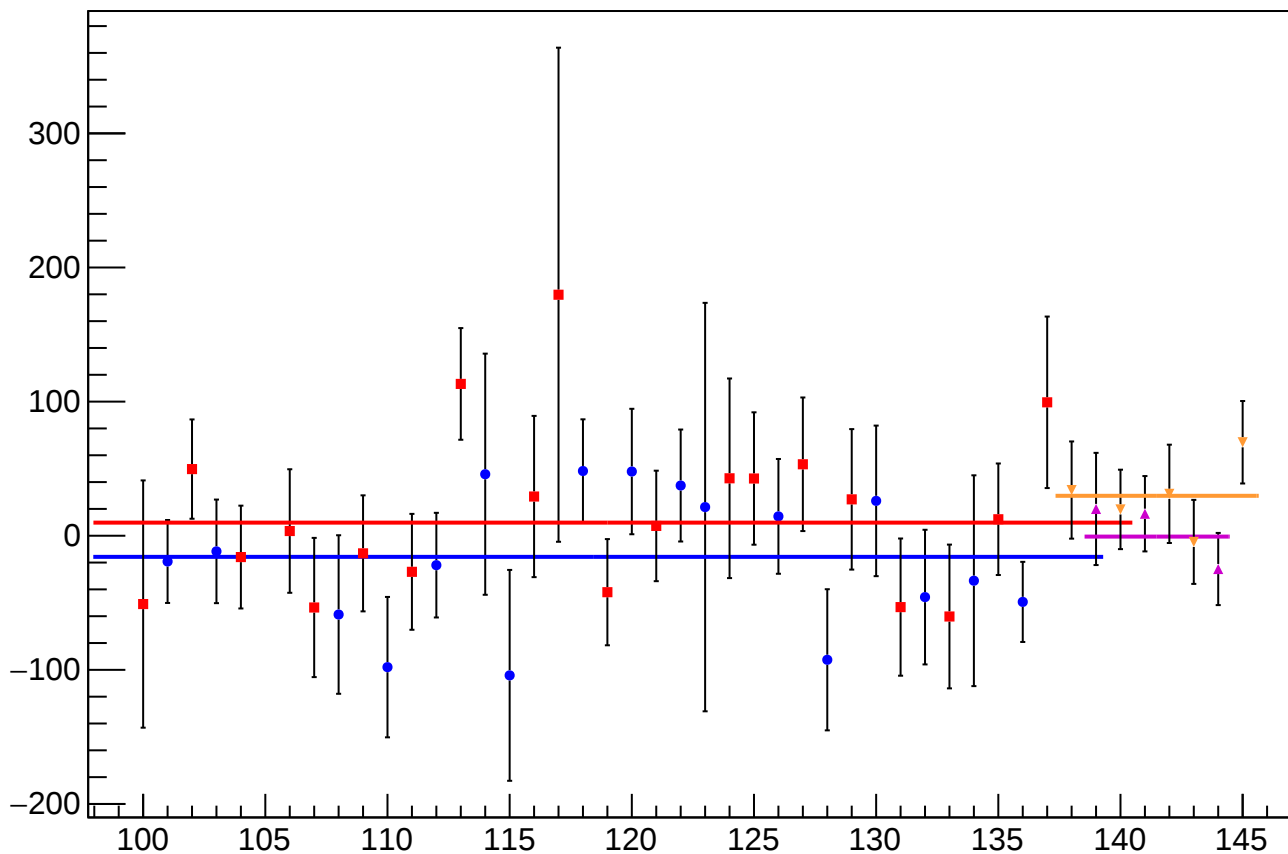
Right Out: 5758.506+/-1.714 χ^2/NDF : 2186395.0/19

Left In: 2967.820+/-1.678 χ^2/NDF :1576792.9/2

5060.410+/-1.312 χ^2/NDF : 4151965.6/21

4333.252+/-1.199 χ^2/NDF : 5116946.1/22

diff_bpm12X_mean vs Slug



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

Left Out: 29.773 ± 14.551 $\chi^2/\text{NDF}: 3.0/4$

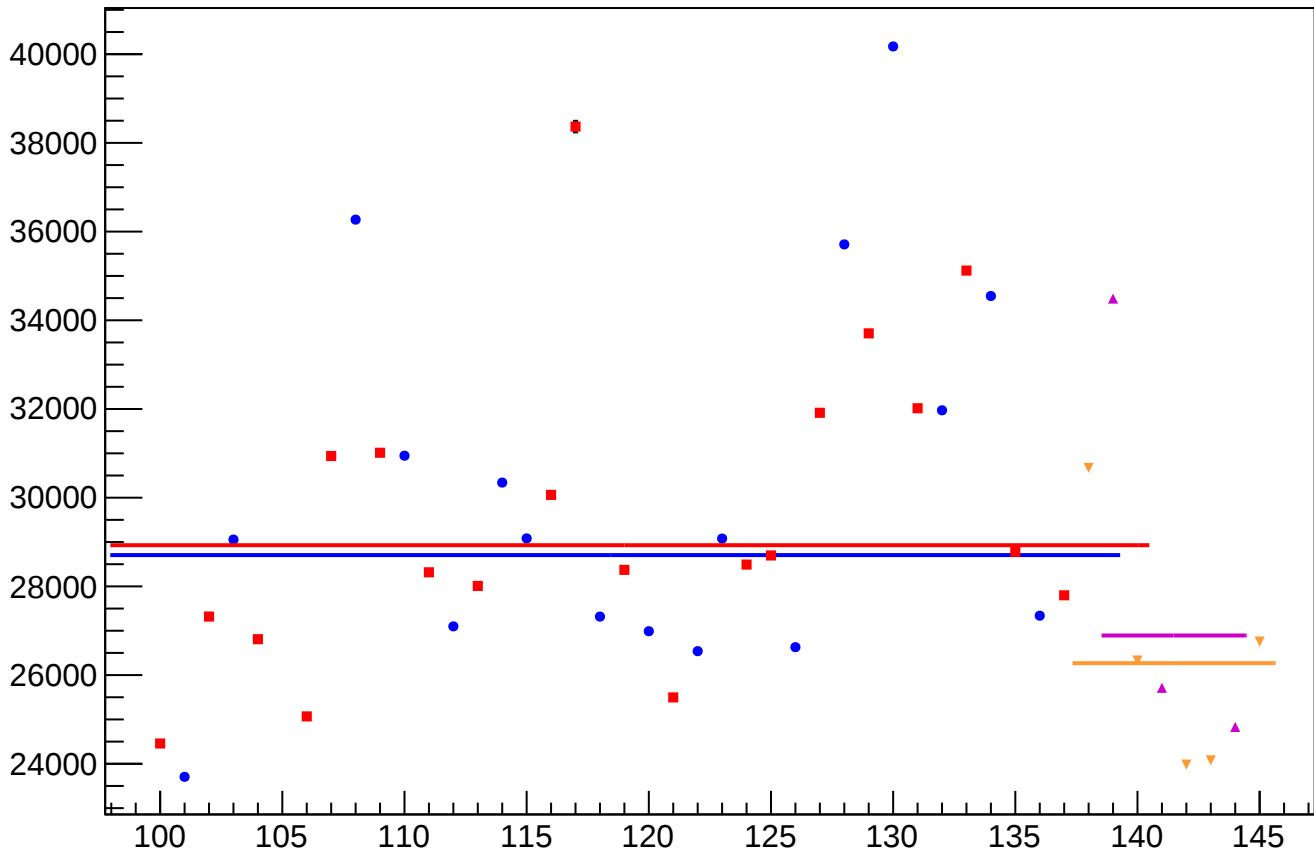
Right Out: 9.773 ± 10.870 $\chi^2/\text{NDF}: 20.1/19$

Left In: -0.641 ± 17.623 $\chi^2/\text{NDF}: 1.4/2$

1.200 ± 8.879 $\chi^2/\text{NDF}: 25.1/21$

6.903 ± 9.252 $\chi^2/\text{NDF}: 21.8/22$

diff_bpm12X_rms vs Slug



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

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

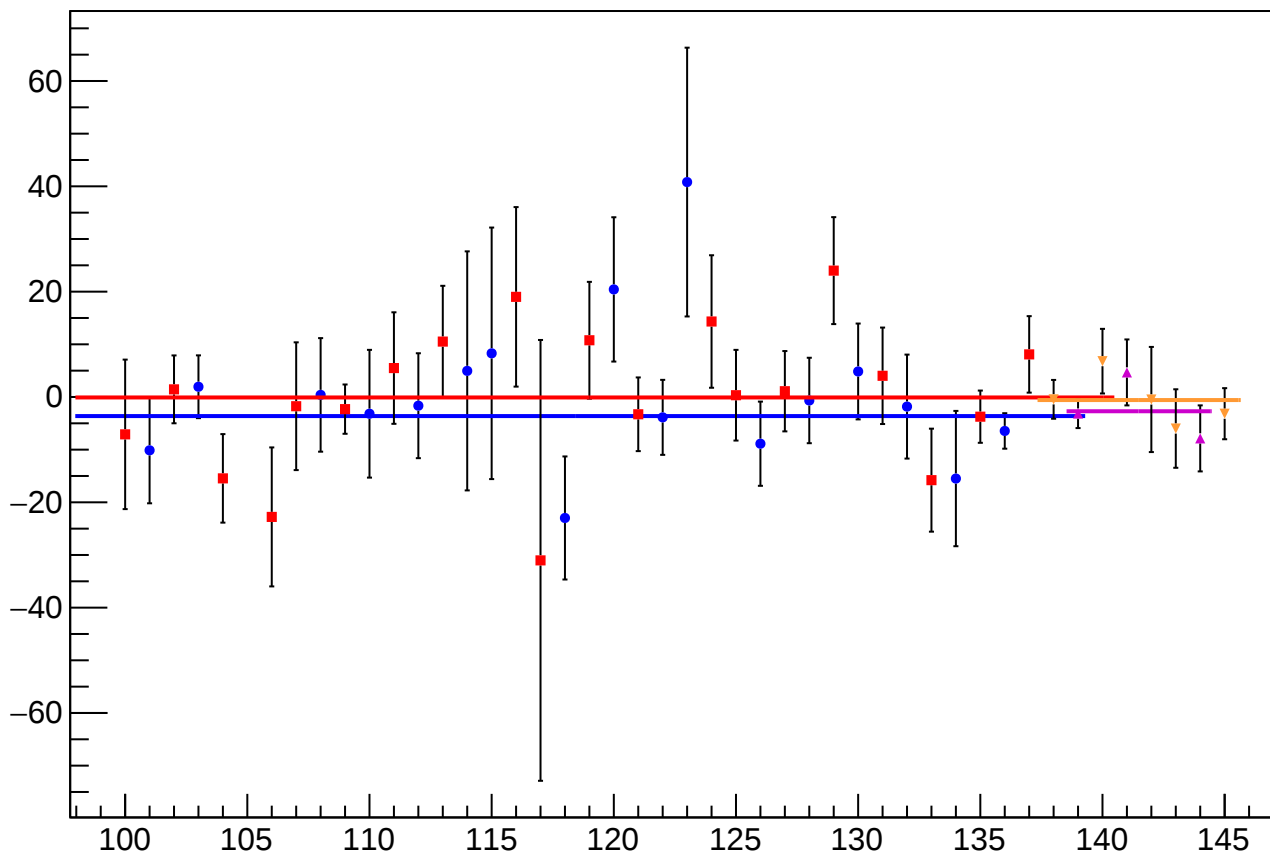
27798.263+/-6.278 χ^2/NDF : 333810.2/21

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

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

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

diff_bpm12Y_mean vs Slug



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

Left Out: -0.584 ± 2.420 χ^2/NDF : 2.3/4

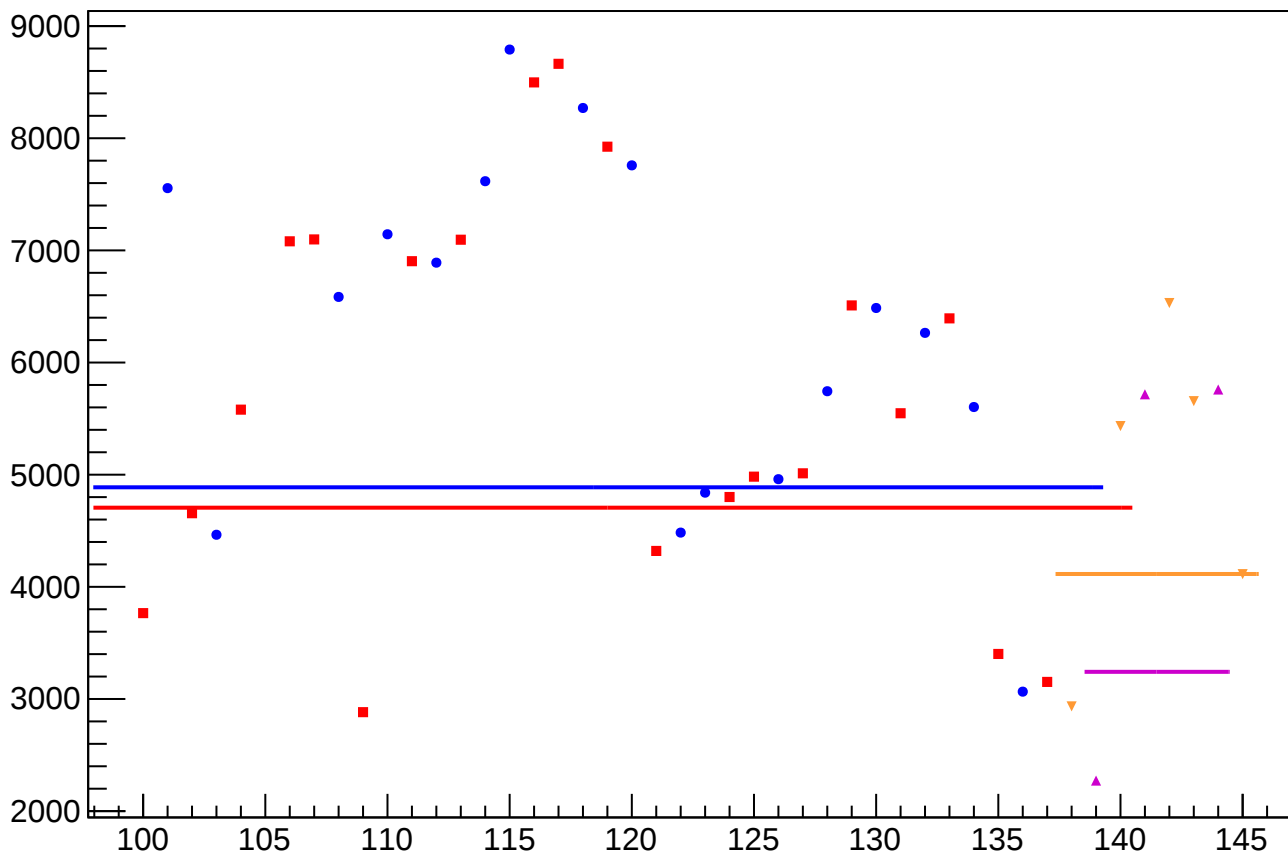
Right Out: -0.090 ± 1.888 χ^2/NDF : 22.6/19

Left In: -2.710 ± 2.343 χ^2/NDF : 2.1/2

-2.387 ± 1.544 χ^2/NDF : 16.9/21

-1.121 ± 1.470 χ^2/NDF : 25.5/22

diff_bpm12Y_rms vs Slug



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

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

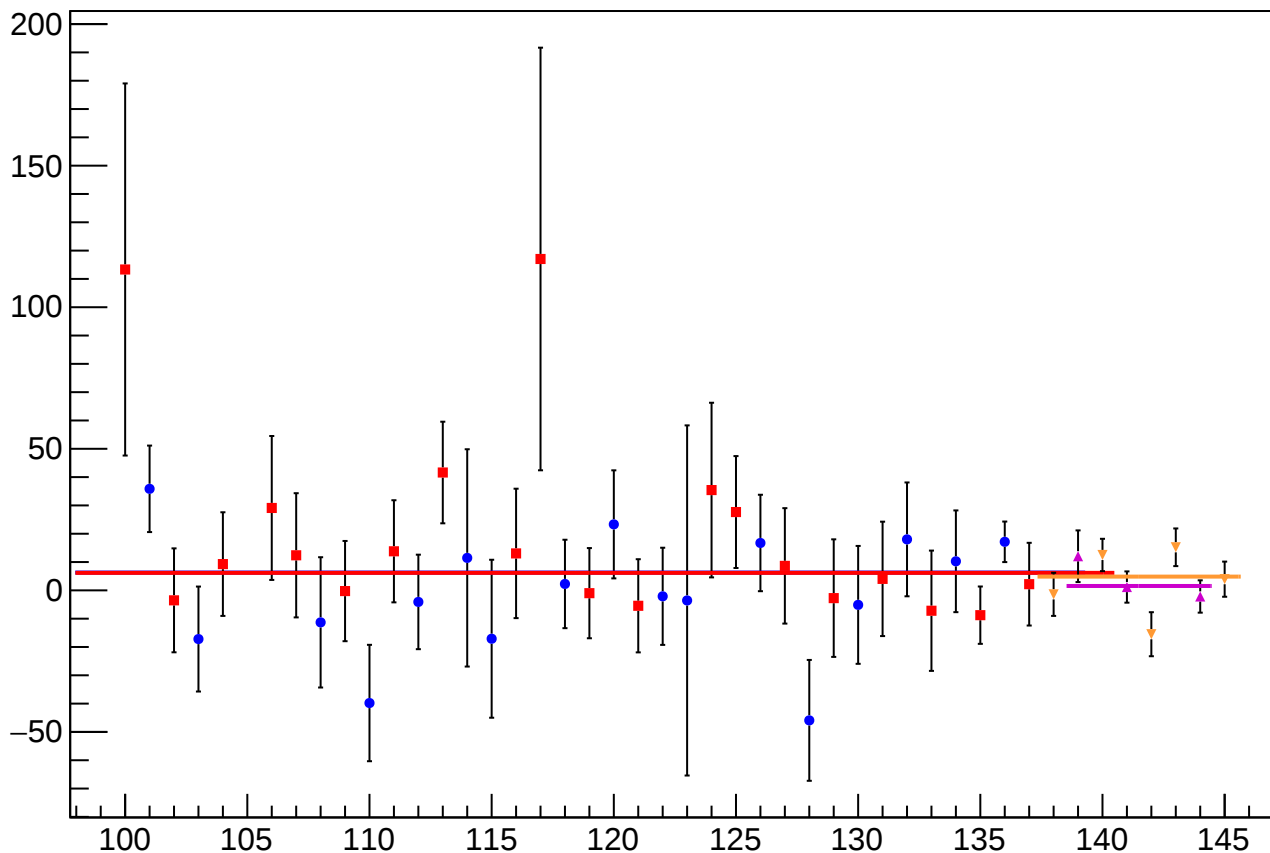
Right Out: 4705.797 $\pm$ 1.335 χ^2 /NDF: 1331043.3/19

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

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

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

diff_bpm16X_mean vs Slug



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

Left Out: 4.858 ± 2.975 $\chi^2/\text{NDF}: 11.8/4$

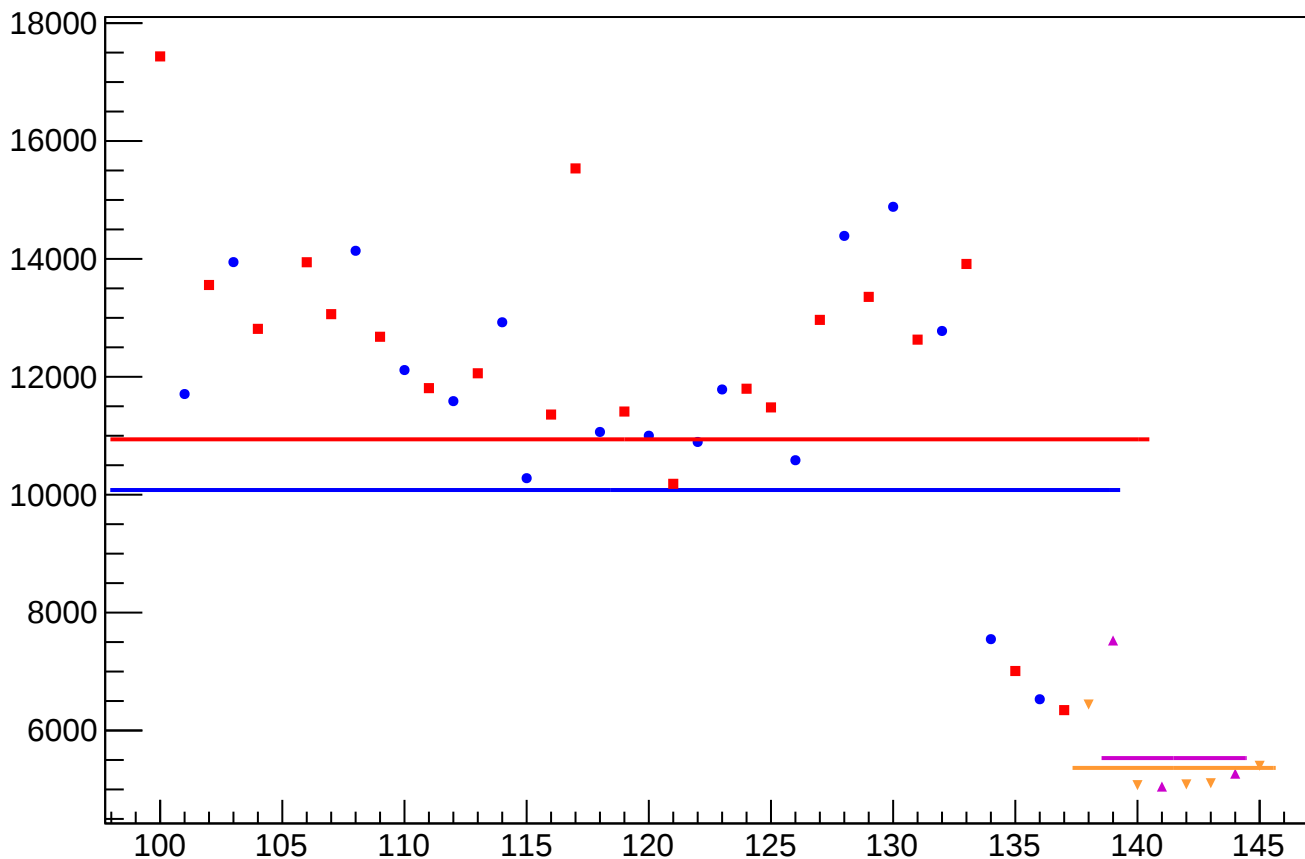
Right Out: 6.182 ± 4.212 $\chi^2/\text{NDF}: 16.0/19$

Left In: 1.548 ± 3.639 $\chi^2/\text{NDF}: 1.8/2$

5.355 ± 2.401 $\chi^2/\text{NDF}: 34.4/21$

3.529 ± 2.754 $\chi^2/\text{NDF}: 18.5/22$

diff_bpm16X_rms vs Slug



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

Left Out: 5365.315+/-2.104 χ^2/NDF : 50833.9/4

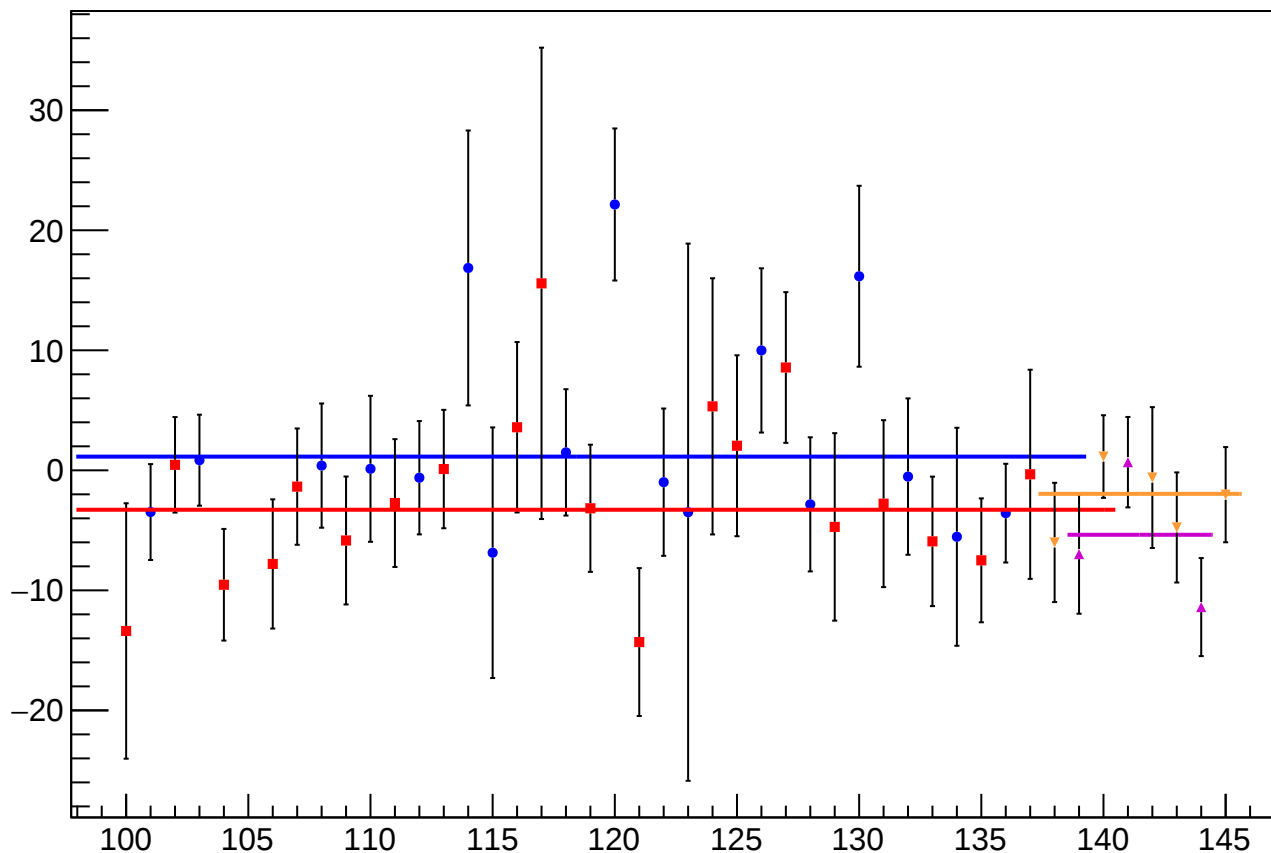
Right Out: 10939.227+/-2.979 χ^2/NDF : 776055.3/19

Left In: 5532.065+/-2.573 χ^2/NDF : 115215.0/2

7010.256+/-1.698 χ^2/NDF : 2797469.8/21

7843.097+/-1.947 χ^2/NDF : 2778250.8/22

diff_bpm16Y_mean vs Slug



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

Left Out: -1.959 ± 1.942 χ^2/NDF : 1.9/4

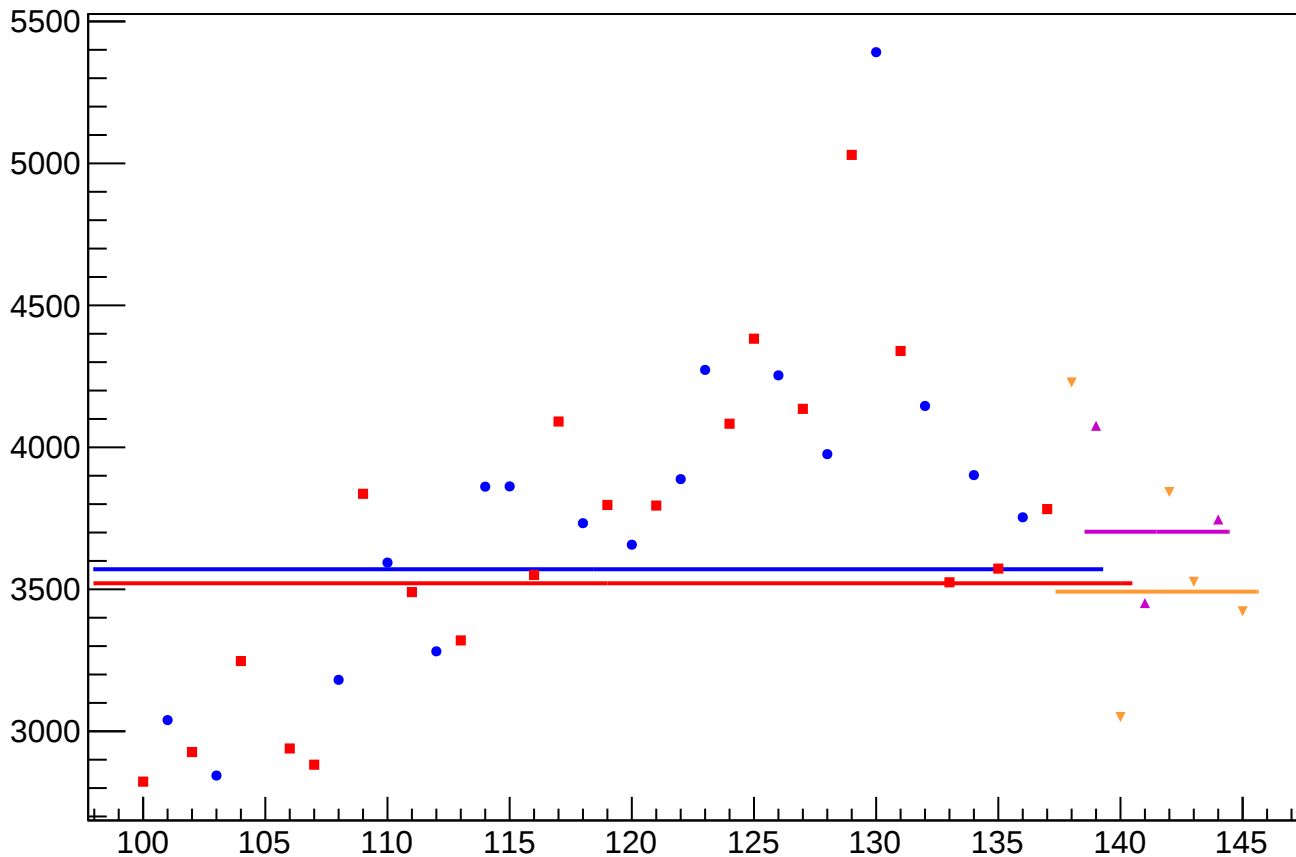
Right Out: -3.284 ± 1.330 χ^2/NDF : 16.0/19

Left In: -5.369 ± 2.419 χ^2/NDF : 4.9/2

0.087 ± 1.133 χ^2/NDF : 26.8/21

-3.768 ± 1.166 χ^2/NDF : 21.4/22

diff_bpm16Y_rms vs Slug



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

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

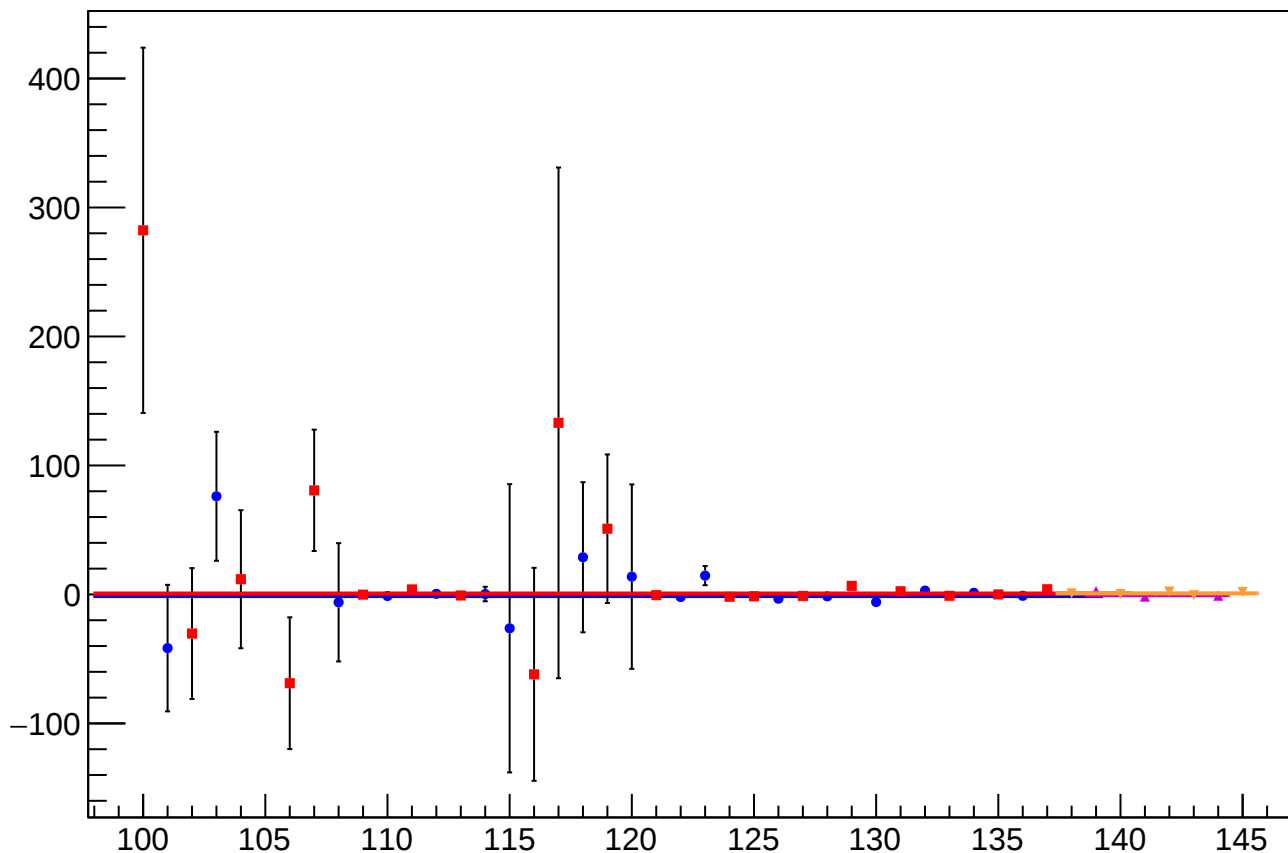
Right Out: 3521.247 $\pm$ 0.941 χ^2 /NDF: 294919.2/19

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

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

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

diff_bpm1p02bX_mean vs Slug



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

Left Out: 0.838 ± 0.564 χ^2/NDF : 3.4/4

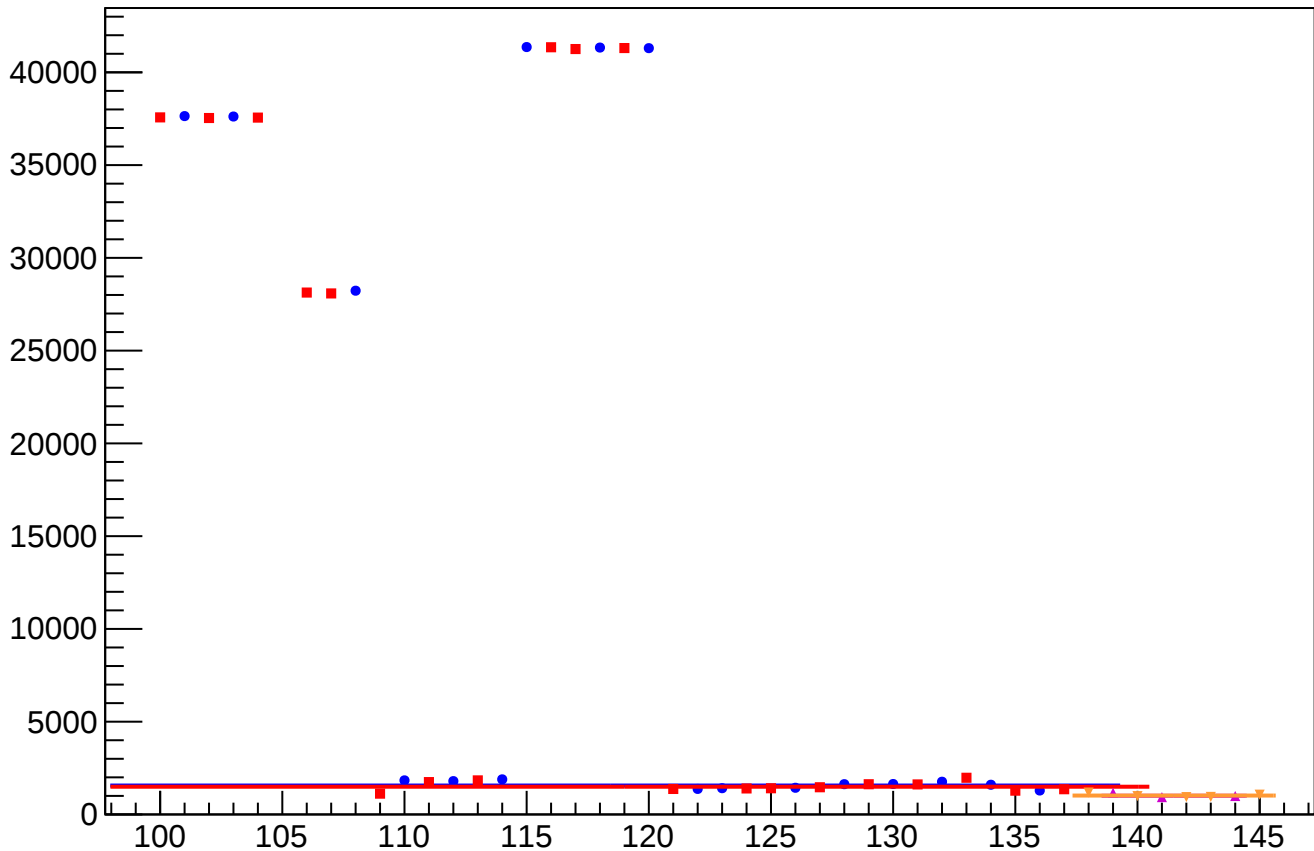
Right Out: 0.735 ± 0.710 χ^2/NDF : 22.5/19

Left In: -0.503 ± 0.659 χ^2/NDF : 6.5/2

0.078 ± 0.450 χ^2/NDF : 24.7/21

0.069 ± 0.483 χ^2/NDF : 30.7/22

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1019.019+/-0.398 χ^2/NDF : 45955.9/4

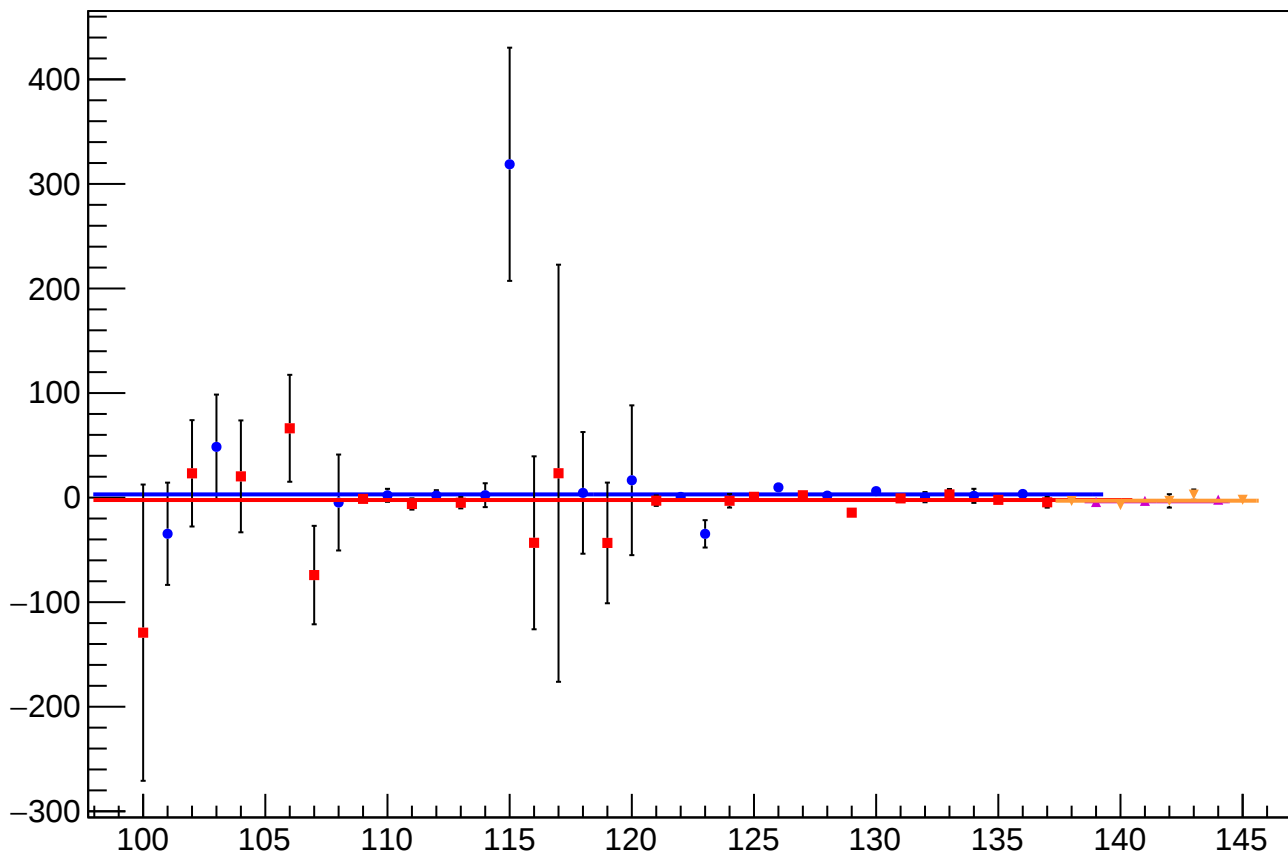
1214.586+/-0.318 χ^2/NDF : 5464631.5/21

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

1232.526+/-0.341 χ^2/NDF : 5517936.3/22

Left In: 1006.757+/-0.466 χ^2/NDF : 35937.0/2

diff_bpm1p02bY_mean vs Slug



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

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

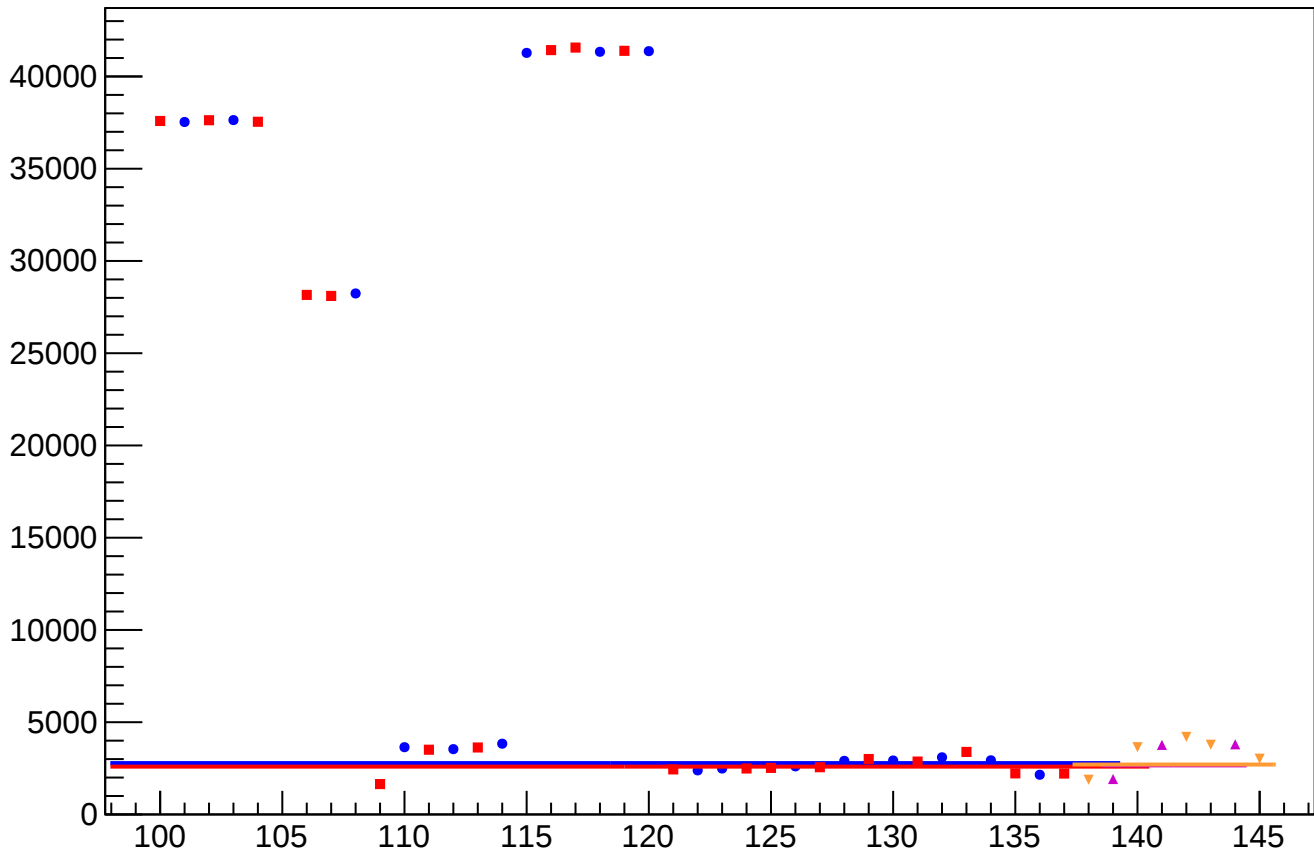
Right Out: -2.305+/-1.235 χ^2/NDF : 16.9/19

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

0.598+/-1.015 χ^2/NDF : 32.9/21

-2.691+/-1.025 χ^2/NDF : 17.5/22

diff_bpm1p02bY_rms vs Slug



Right In: 2783.989 $\pm$ 0.936 χ^2 /NDF: 4577424.2/16

Left Out: 2705.552 $\pm$ 1.120 χ^2 /NDF: 590090.4/4

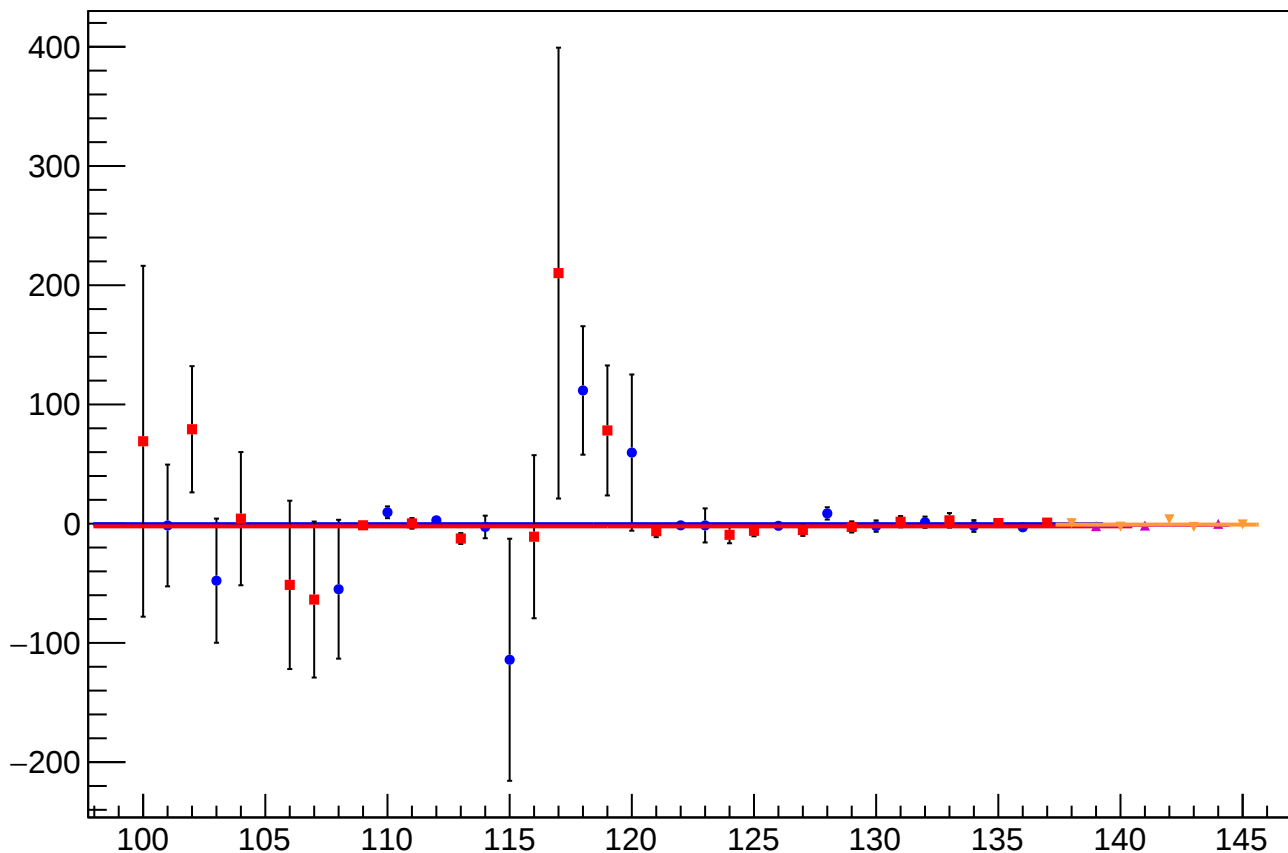
2751.737 $\pm$ 0.718 χ^2 /NDF: 5170404.2/21

Right Out: 2592.654 $\pm$ 0.873 χ^2 /NDF: 4923077.9/19

2613.405 $\pm$ 0.725 χ^2 /NDF: 5417280.1/22

Left In: 2659.429 $\pm$ 1.300 χ^2 /NDF: 492383.8/2

diff_bpm1p03aX_mean vs Slug



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

Left Out: -0.760 ± 0.840 χ^2/NDF : 6.8/4

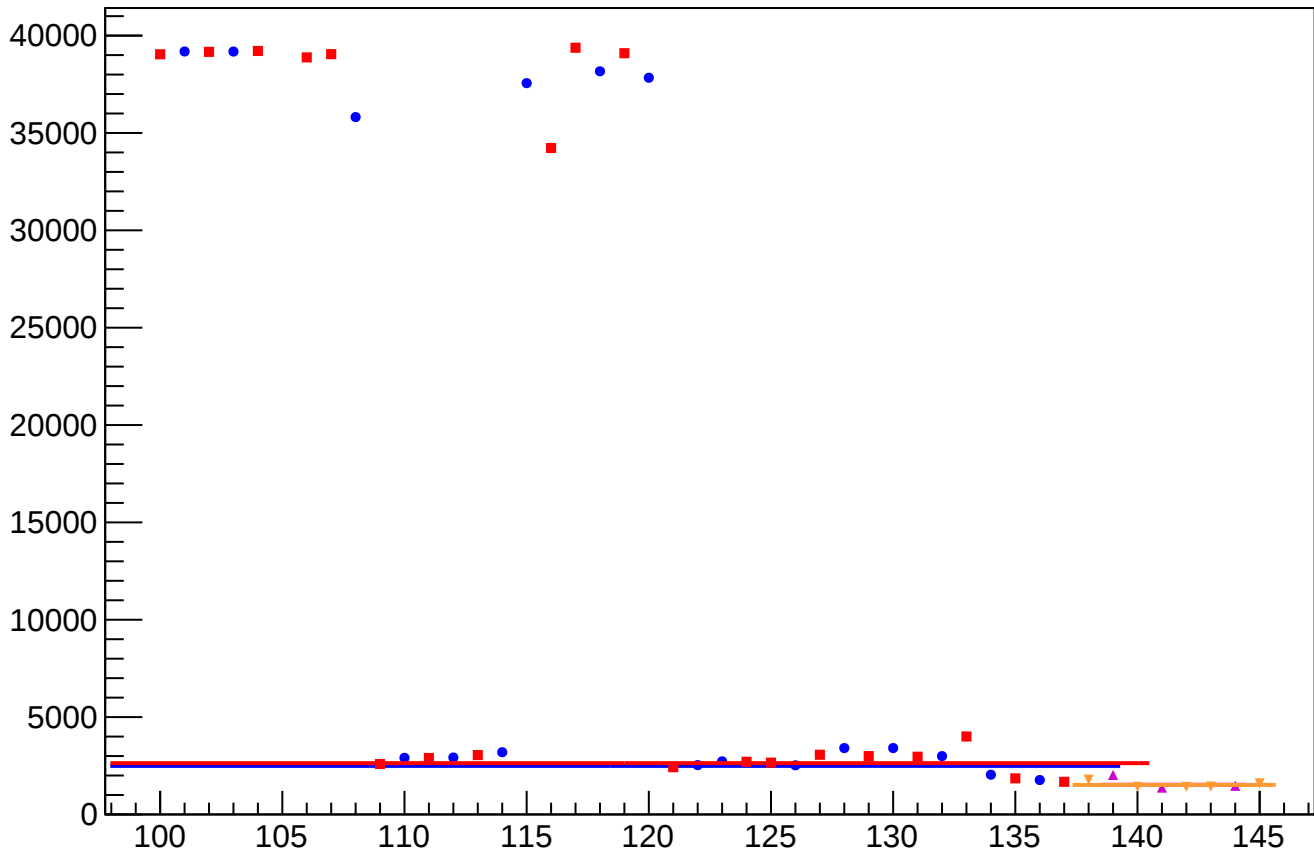
Right Out: -2.235 ± 1.246 χ^2/NDF : 18.7/19

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

-0.645 ± 0.691 χ^2/NDF : 25.1/21

-1.534 ± 0.782 χ^2/NDF : 19.9/22

diff_bpm1p03aX_rms vs Slug



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

Left Out: 1517.437+/-0.594 χ^2/NDF : 51987.2/4

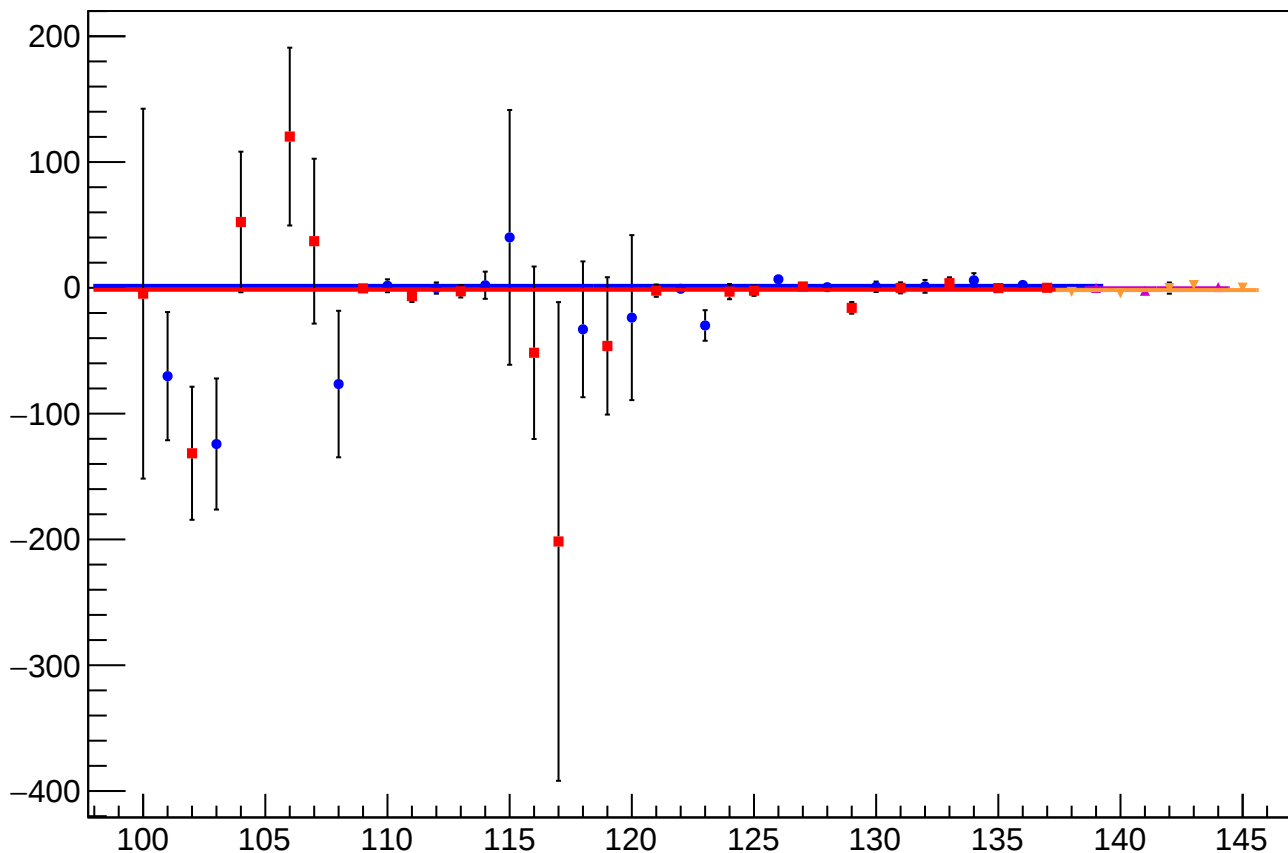
Right Out: 2634.840+/-0.881 χ^2/NDF : 4936039.0/19

Left In: 1523.900+/-0.710 χ^2/NDF : 105105.1/2

1832.694+/-0.489 χ^2/NDF : 5808748.8/21

1961.114+/-0.553 χ^2/NDF : 6005507.2/22

diff_bpm1p03aY_mean vs Slug



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

Left Out: -1.769 $\pm$ 1.094 χ^2 /NDF: 4.0/4

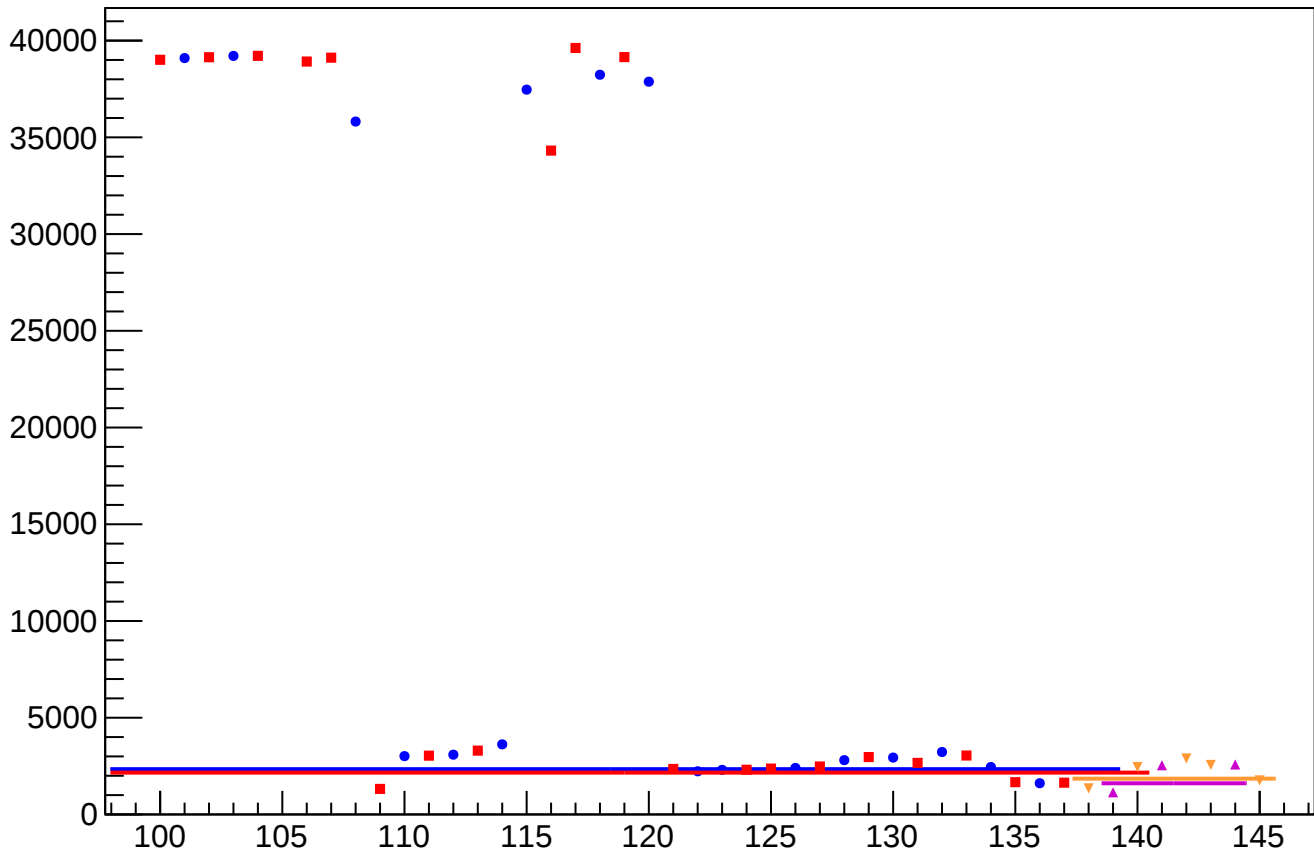
Right Out: -1.530 $\pm$ 1.062 χ^2 /NDF: 26.1/19

Left In: -0.319 $\pm$ 1.138 χ^2 /NDF: 0.7/2

-0.169 $\pm$ 0.790 χ^2 /NDF: 28.8/21

-0.966 $\pm$ 0.776 χ^2 /NDF: 27.4/22

diff_bpm1p03aY_rms vs Slug



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

Left Out: 1850.887+/-0.774 χ^2/NDF : 471804.8/4

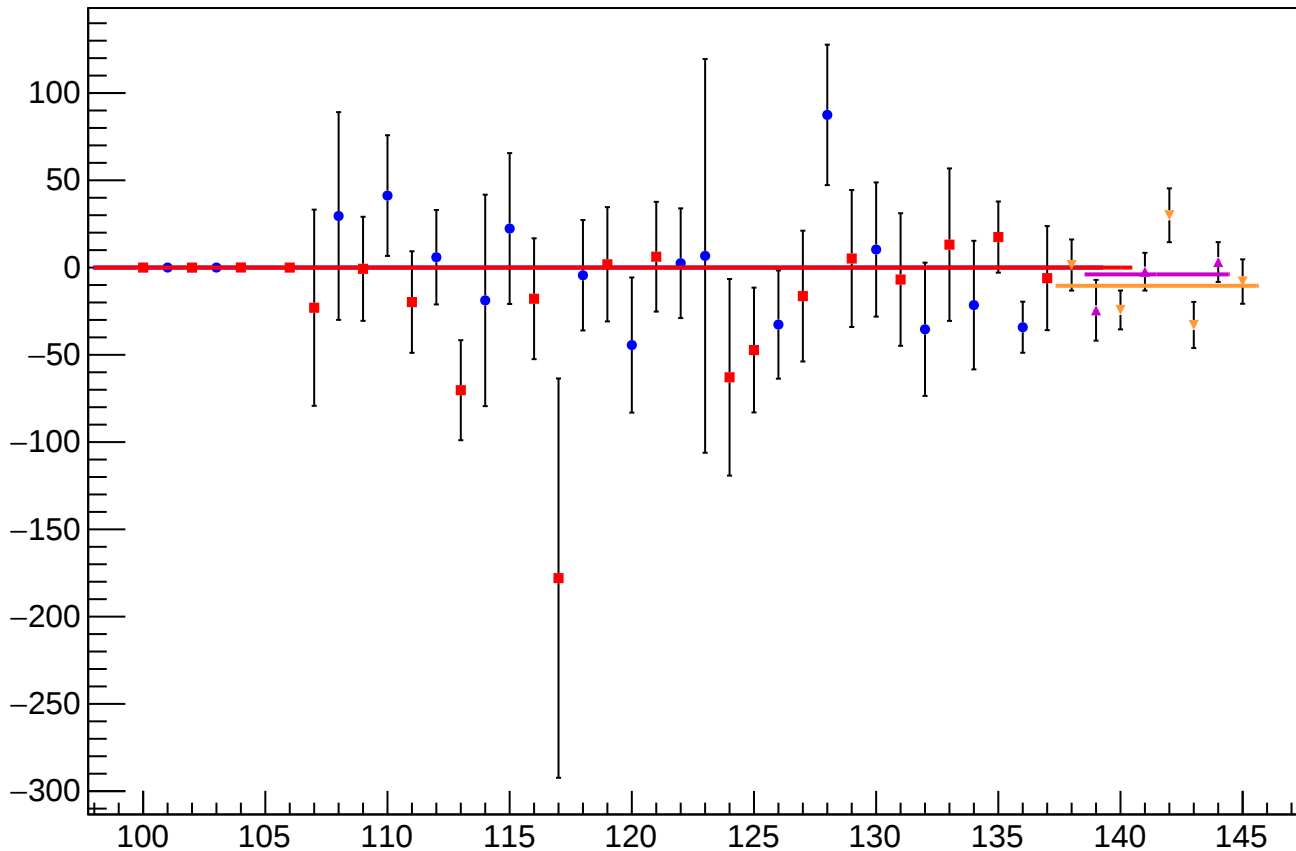
2085.313+/-0.559 χ^2/NDF : 5670673.6/21

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

1905.895+/-0.549 χ^2/NDF : 6313138.2/22

Left In: 1611.767+/-0.804 χ^2/NDF : 686270.7/2

diff_cav4bX_mean vs Slug



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

Left Out: -10.431+/-5.889 χ^2/NDF :12.0/4

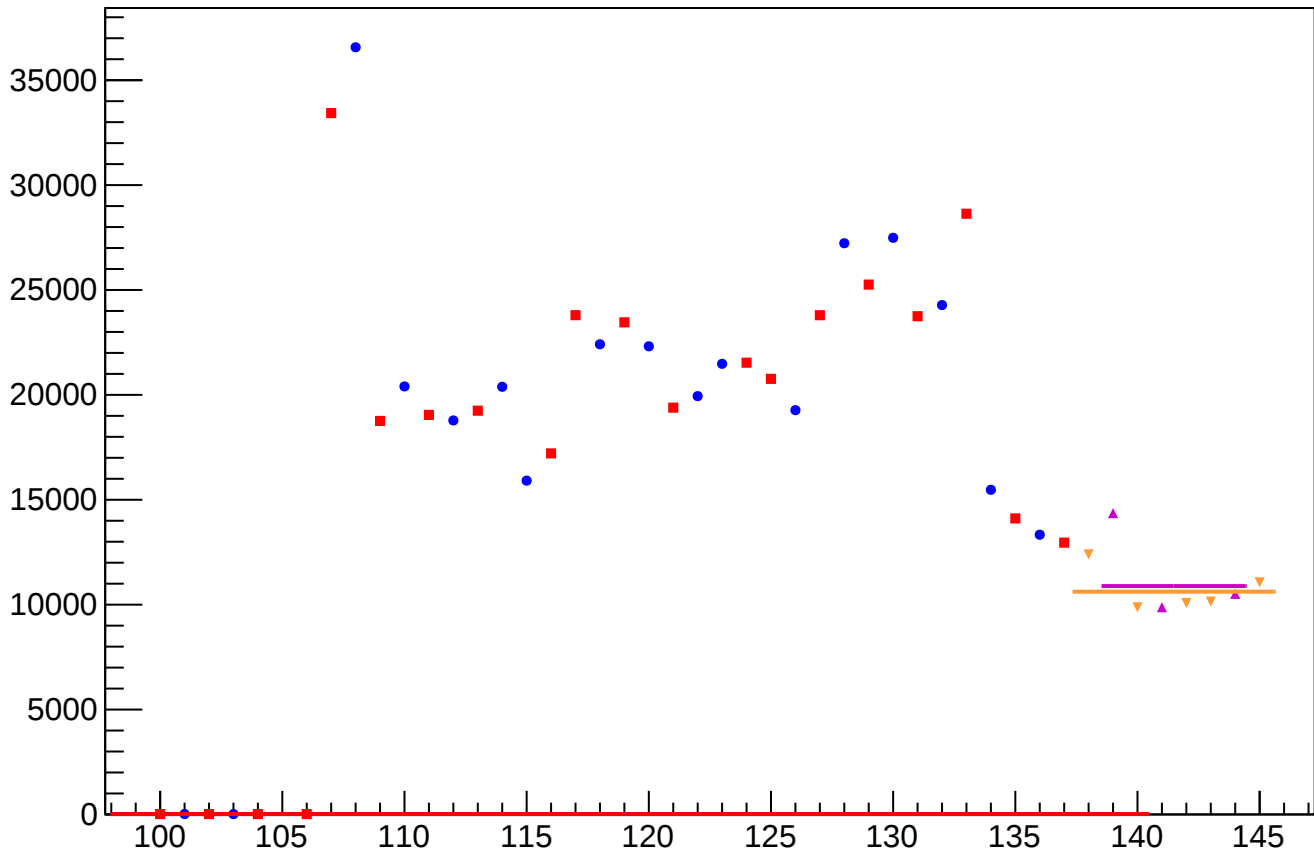
Right Out: 0.003+/-0.016 χ^2/NDF : 18.3/19

Left In: -3.910+/-7.152 χ^2/NDF :1.8/2

0.013+/-0.017 χ^2/NDF : 31.3/21

0.003+/-0.016 χ^2/NDF : 20.4/22

diff_cav4bX_rms vs Slug



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

Left Out: 10619.104+/-4.164 χ^2/NDF :46044.6/4

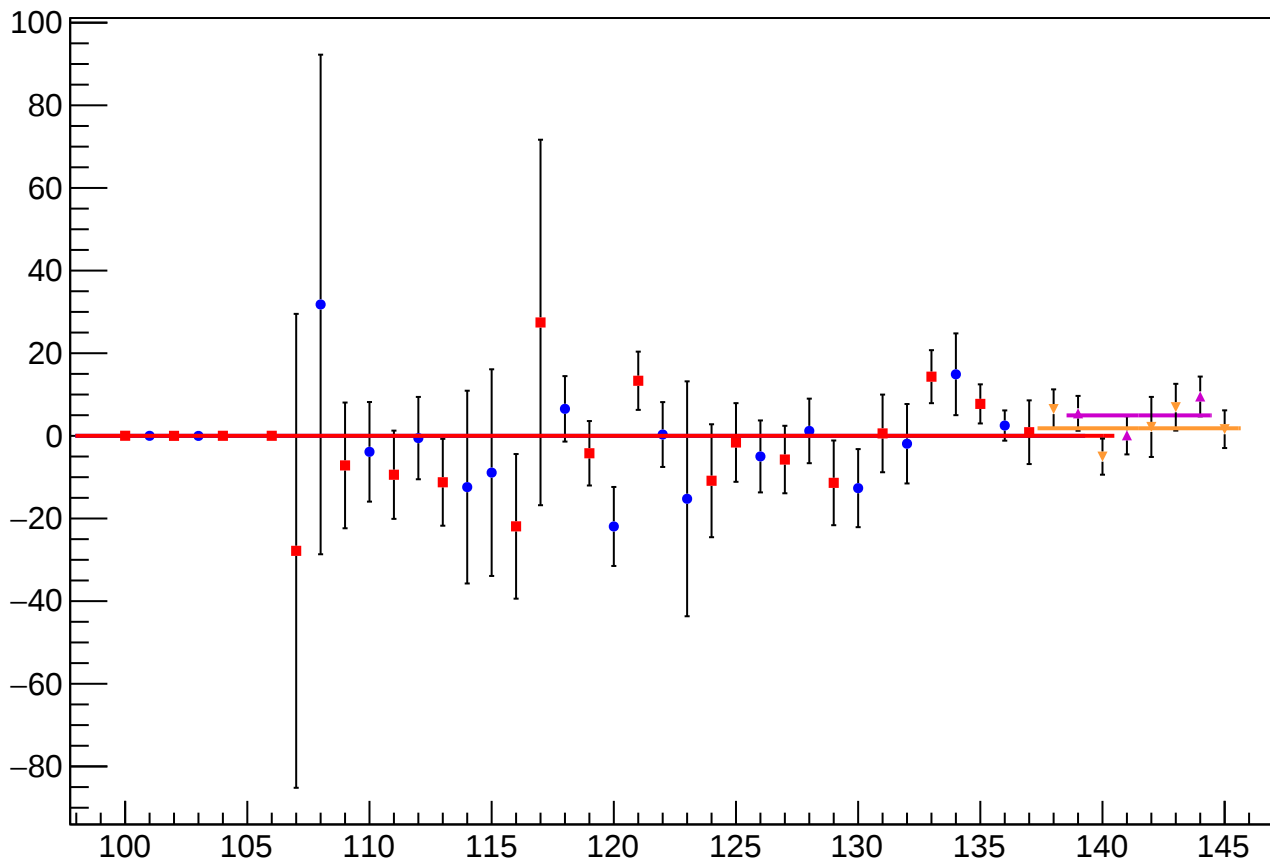
Right Out: 18.312+/-0.011 χ^2/NDF : 11197081.8/19

Left In: 10885.923+/-5.057 χ^2/NDF :99162.8/2

18.734+/-0.012 χ^2/NDF : 17510183.6/21

18.367+/-0.011 χ^2/NDF : 15914118.0/22

diff_cav4bY_mean vs Slug



Right In: 0.001+/-0.009 χ^2/NDF : 13.0/16

Left Out: 1.835+/-2.267 χ^2/NDF : 4.2/4

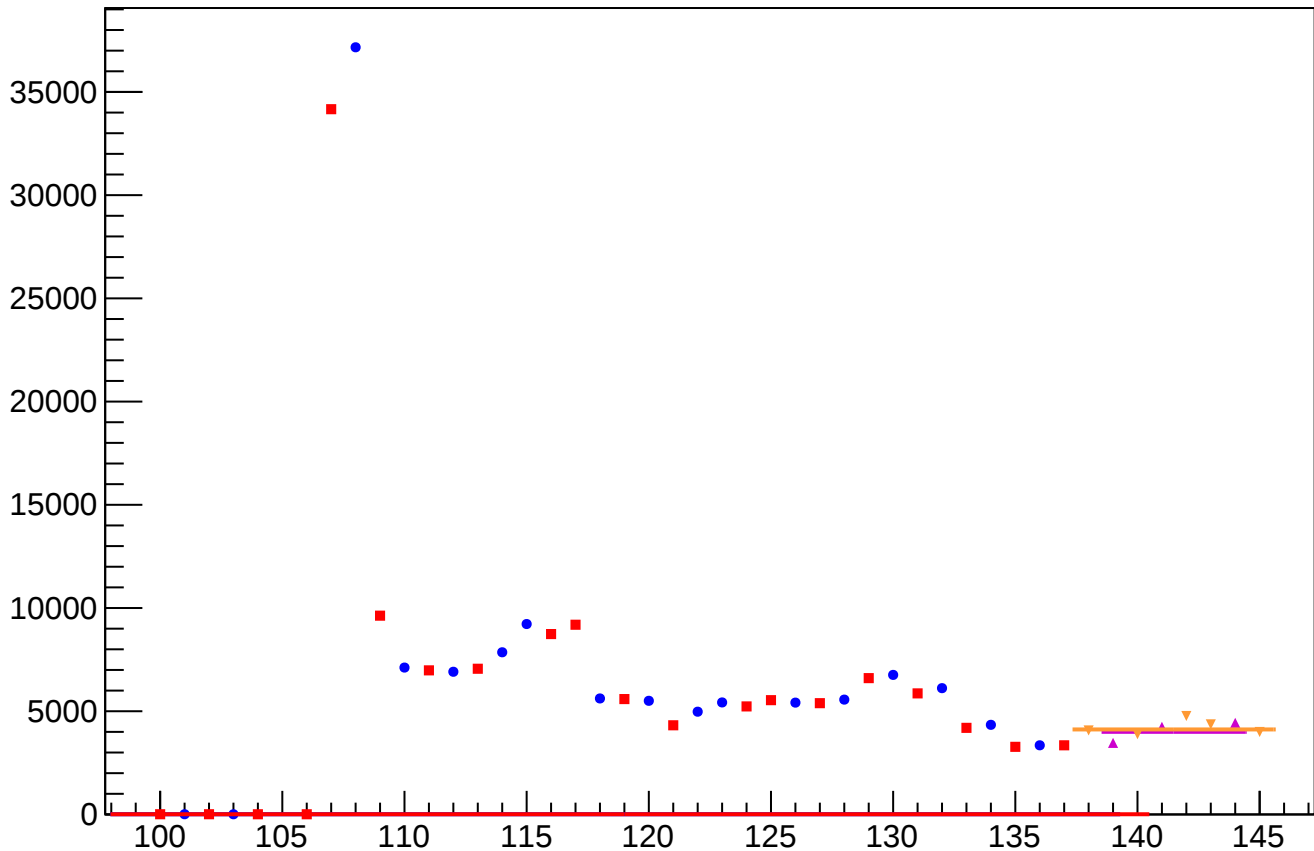
Right Out: 0.014+/-0.009 χ^2/NDF : 19.0/19

Left In: 4.956+/-2.616 χ^2/NDF : 2.0/2

0.001+/-0.009 χ^2/NDF : 17.9/21

0.014+/-0.009 χ^2/NDF : 24.5/22

diff_cav4bY_rms vs Slug



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

Left Out: 4117.926+/-1.603 χ^2/NDF : 27022.2/4

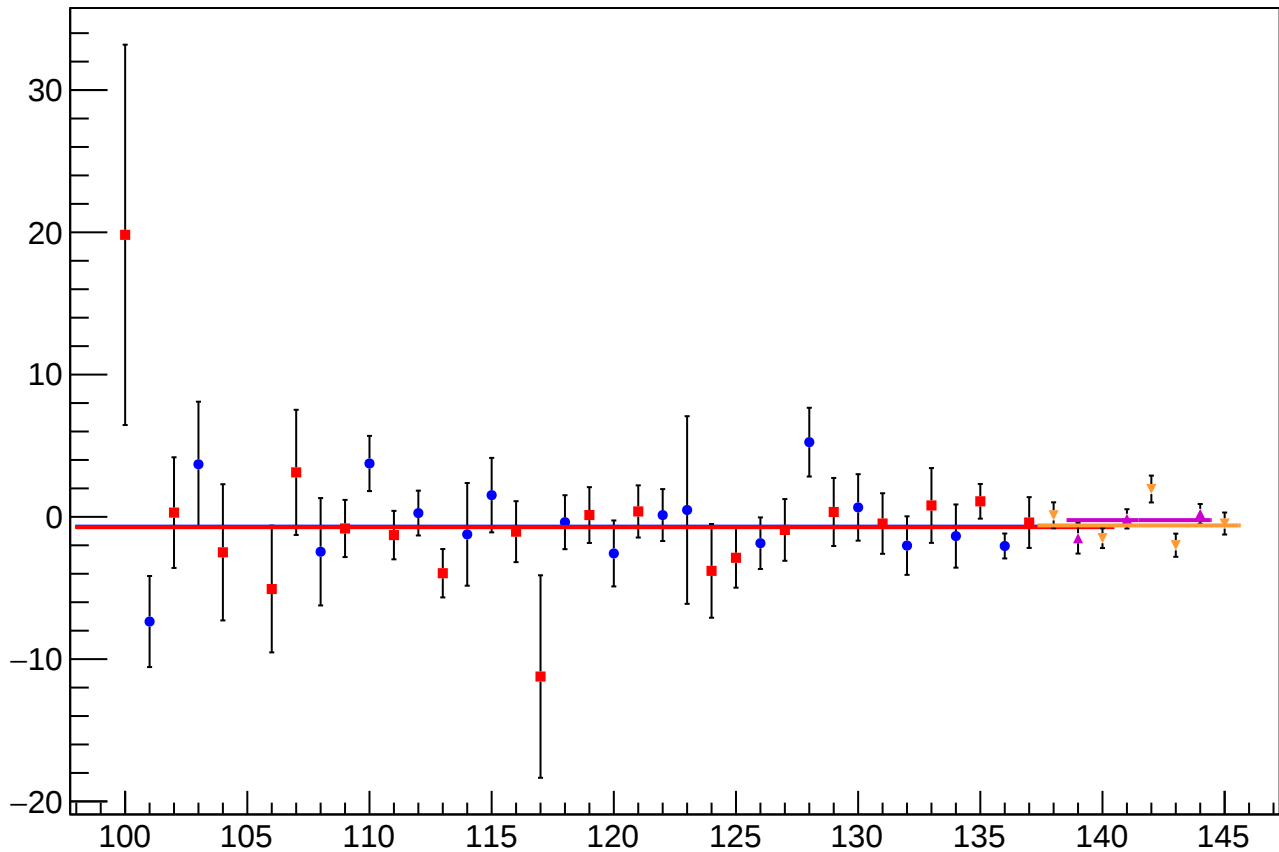
10.007+/-0.007 χ^2/NDF : 17706812.4/21

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

9.898+/-0.006 χ^2/NDF : 15961965.7/22

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

diff_cav4cX_mean vs Slug



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

Left Out: -0.603 ± 0.363 χ^2/NDF : 12.6/4

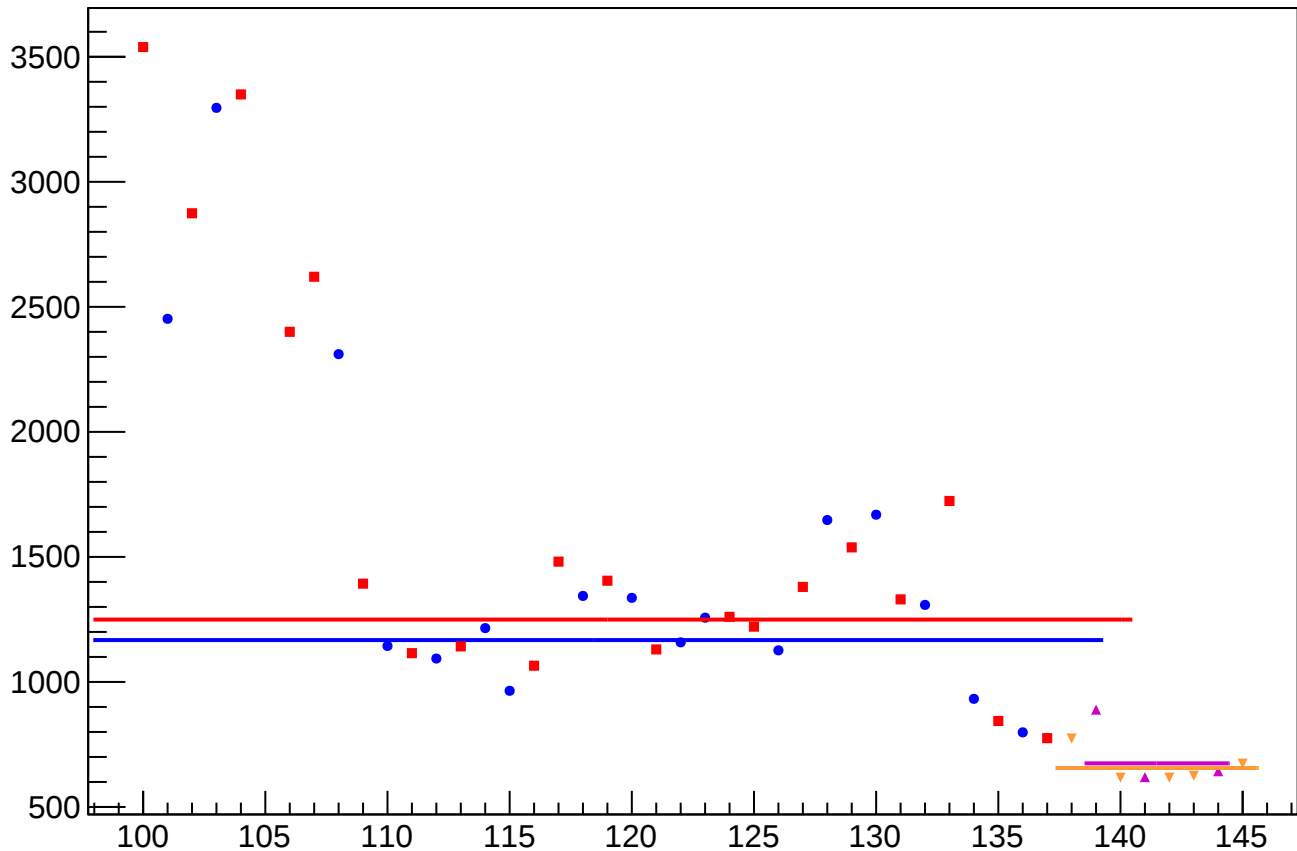
Right Out: -0.724 ± 0.499 χ^2/NDF : 15.5/19

Left In: -0.229 ± 0.443 χ^2/NDF : 1.8/2

-0.634 ± 0.290 χ^2/NDF : 35.1/21

-0.447 ± 0.331 χ^2/NDF : 17.9/22

diff_cav4cX_rms vs Slug



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

Left Out: 655.867 $\pm$ 0.257 χ^2 /NDF: 46859.8/4

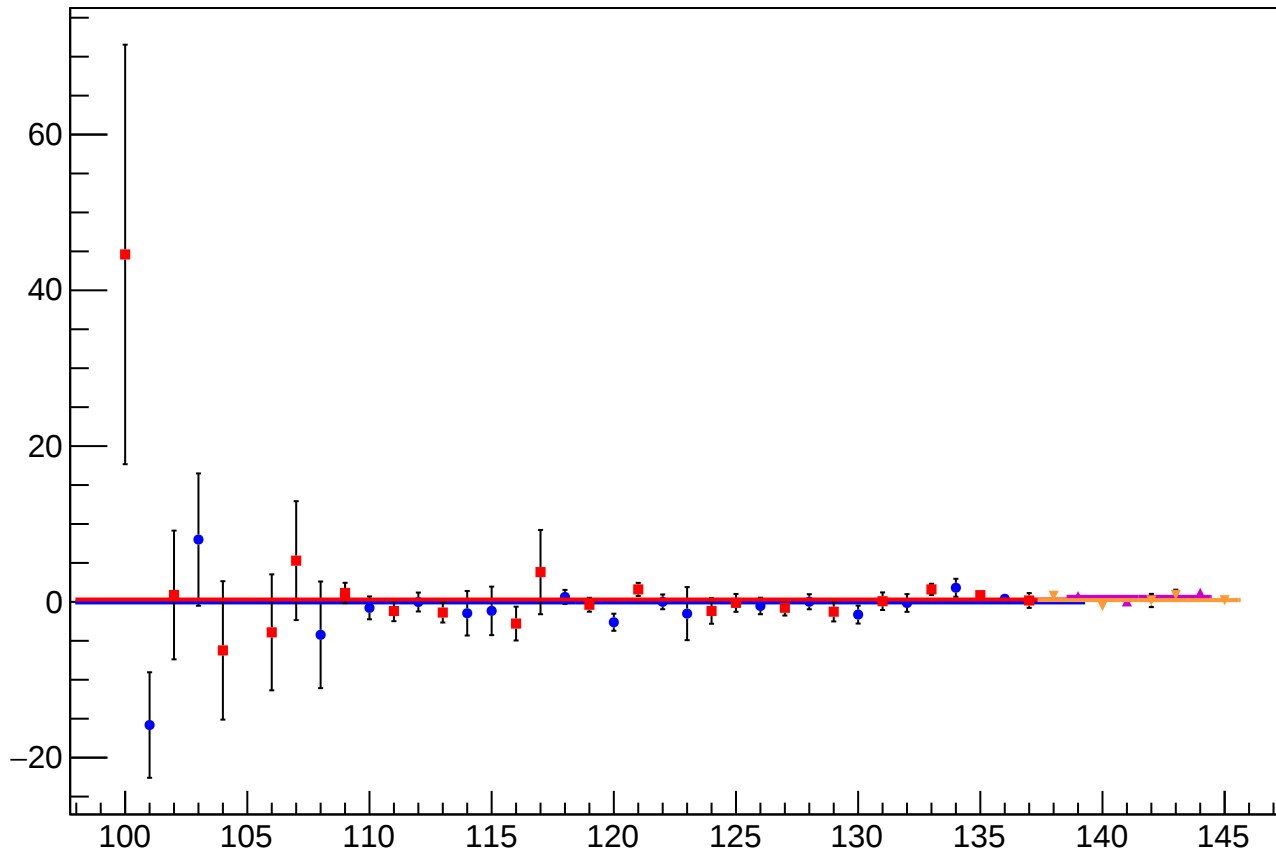
Right Out: 1249.388 $\pm$ 0.353 χ^2 /NDF: 1656159.5/19

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

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

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

diff_cav4cY_mean vs Slug



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

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

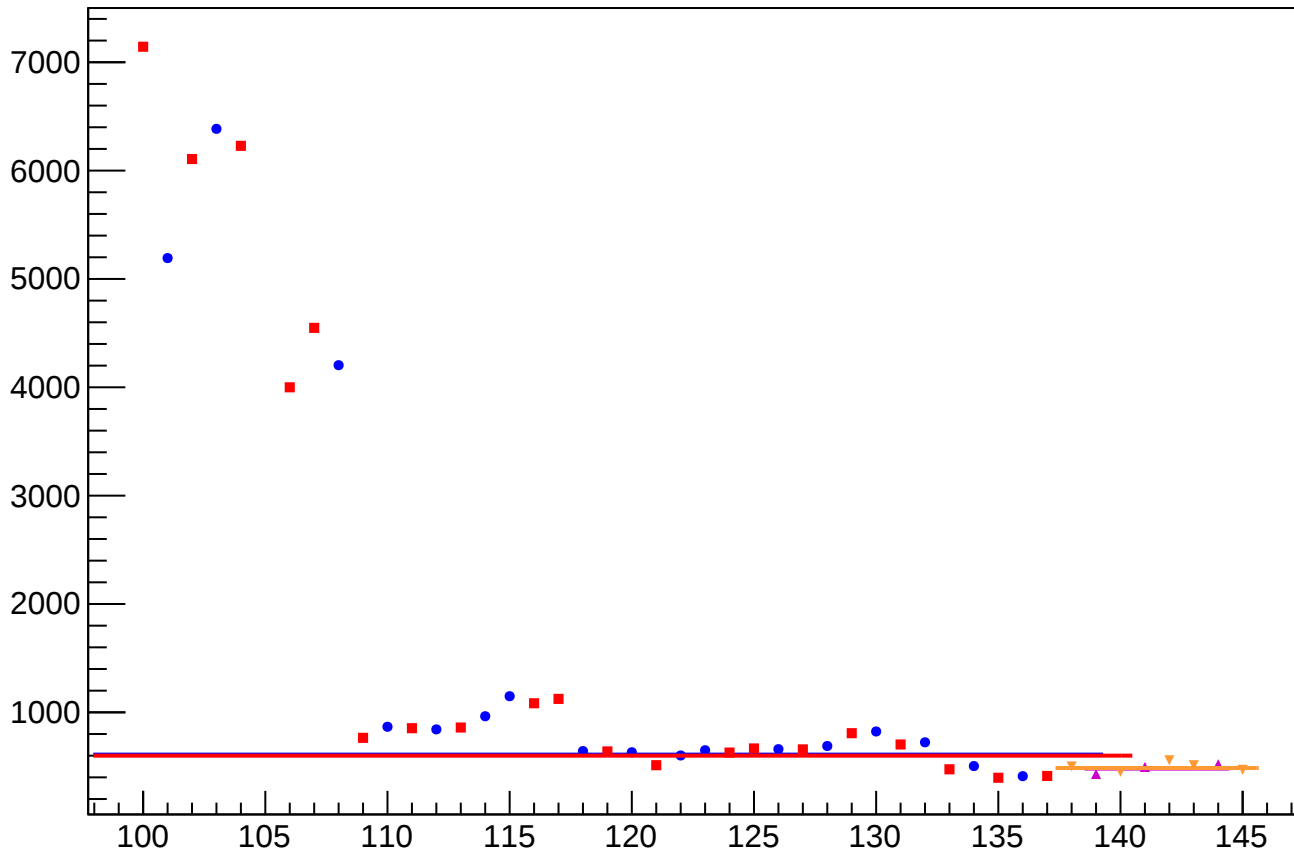
Right Out: 0.303 ± 0.264 χ^2/NDF : 20.7/19

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

0.079 ± 0.190 χ^2/NDF : 24.1/21

0.443 ± 0.202 χ^2/NDF : 23.4/22

diff_cav4cY_rms vs Slug



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

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

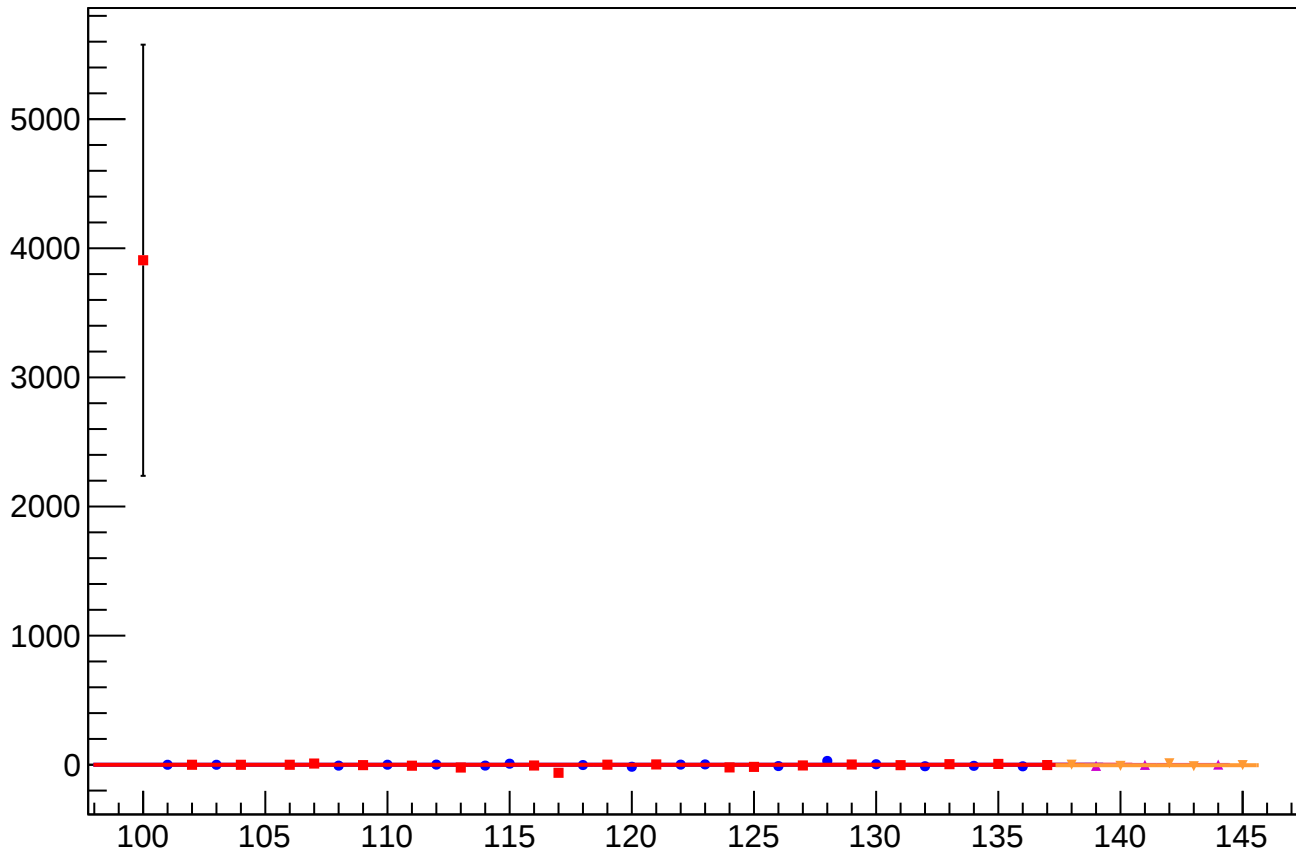
547.799+/-0.134 χ^2/NDF : 3378375.2/21

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

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

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

diff_cav4dX_mean vs Slug



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

Left Out: -3.462 ± 2.098 χ^2/NDF : 12.6/4

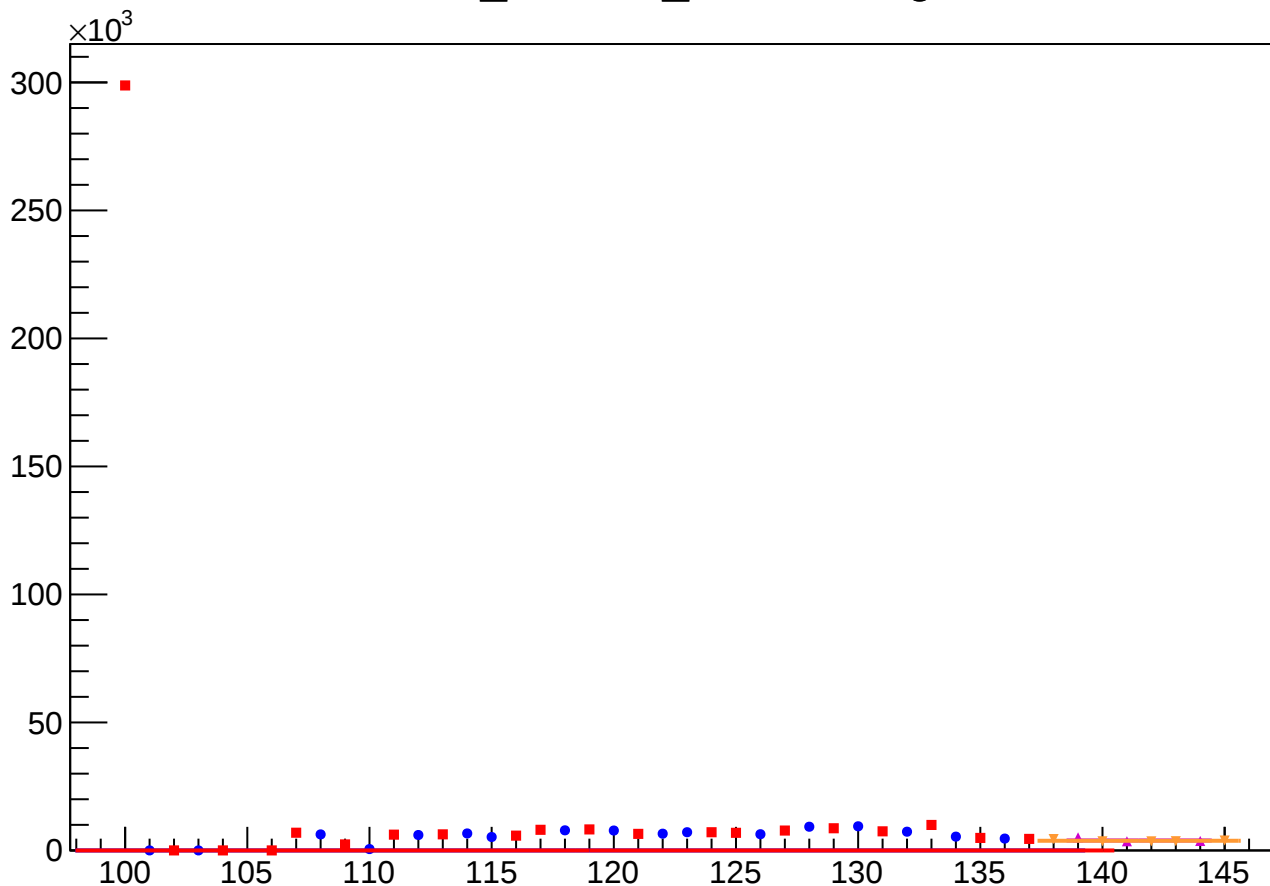
Right Out: -0.027 ± 0.020 χ^2/NDF : 20.5/19

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

-0.022 ± 0.021 χ^2/NDF : 30.9/21

-0.027 ± 0.020 χ^2/NDF : 22.6/22

diff_cav4dX_rms vs Slug



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

Left Out: 3785.104 $\pm$ 1.483 χ^2 /NDF:44623.6/4

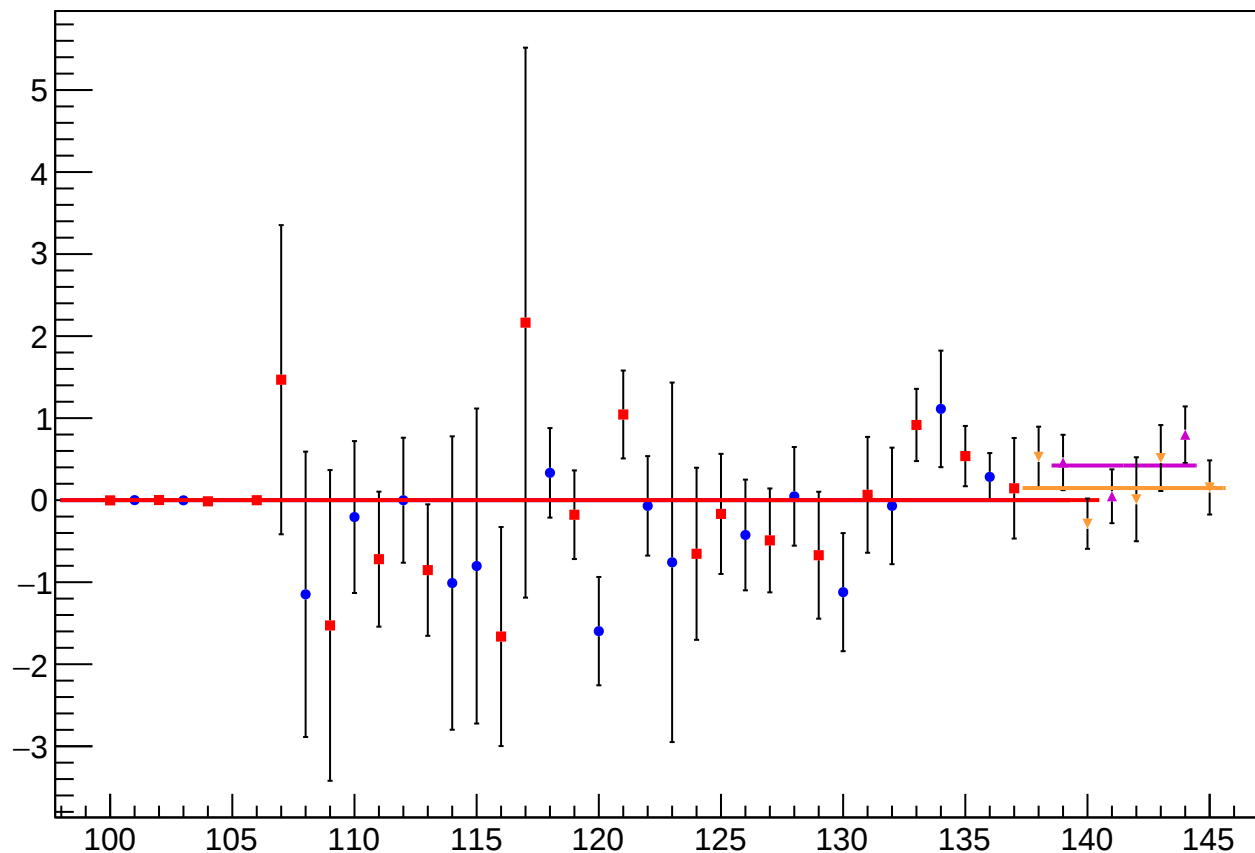
Right Out: 17.271 $\pm$ 0.014 χ^2 /NDF: 10906837.9/19

Left In: 3898.904 $\pm$ 1.810 χ^2 /NDF:94194.1/2

17.711 $\pm$ 0.015 χ^2 /NDF: 16997480.1/21

17.503 $\pm$ 0.014 χ^2 /NDF: 15602228.3/22

diff_cav4dY_mean vs Slug



Right In: 0.000+/-0.002 χ^2/NDF : 13.8/16

Left Out: 0.148+/-0.164 χ^2/NDF : 4.0/4

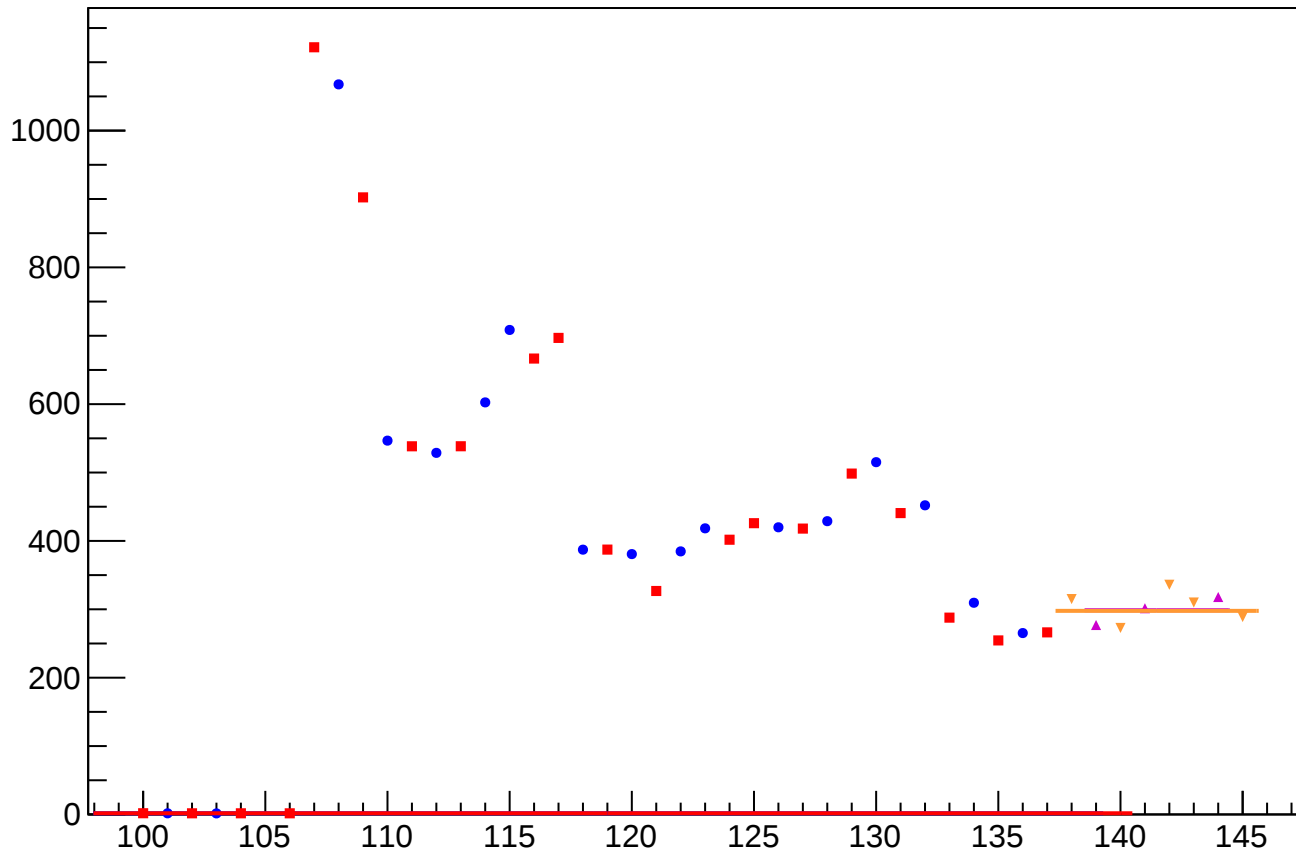
Right Out: 0.001+/-0.002 χ^2/NDF : 18.3/19

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

0.000+/-0.002 χ^2/NDF : 18.5/21

0.001+/-0.002 χ^2/NDF : 25.5/22

diff_cav4dY_rms vs Slug



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

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

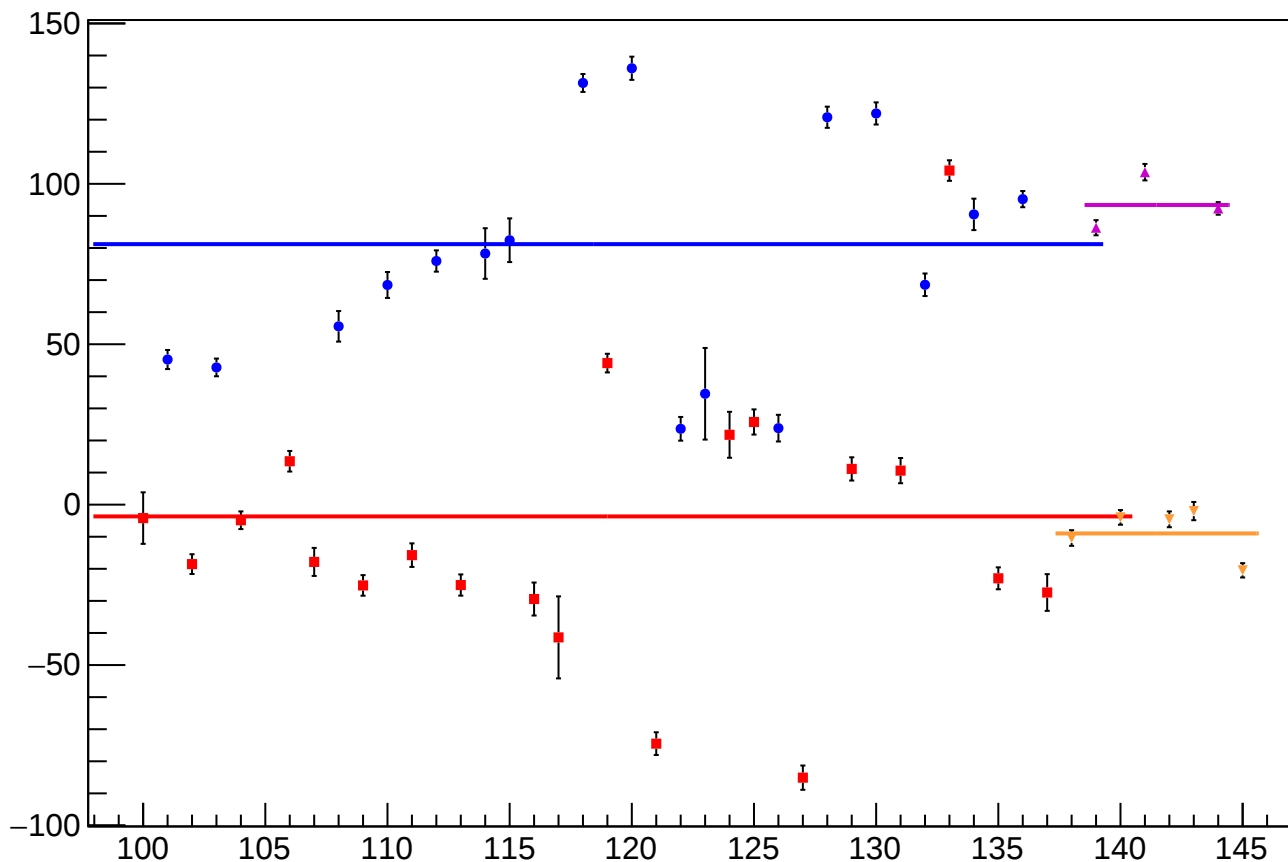
Right Out: 1.729+/-0.001 χ^2/NDF : 10829914.3/19

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

1.744+/-0.001 χ^2/NDF : 17604312.0/21

1.758+/-0.001 χ^2/NDF : 15509092.8/22

diff_bpm0i01X_mean vs Slug



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

Left Out: -8.974+/-1.087 χ^2/NDF : 40.8/4

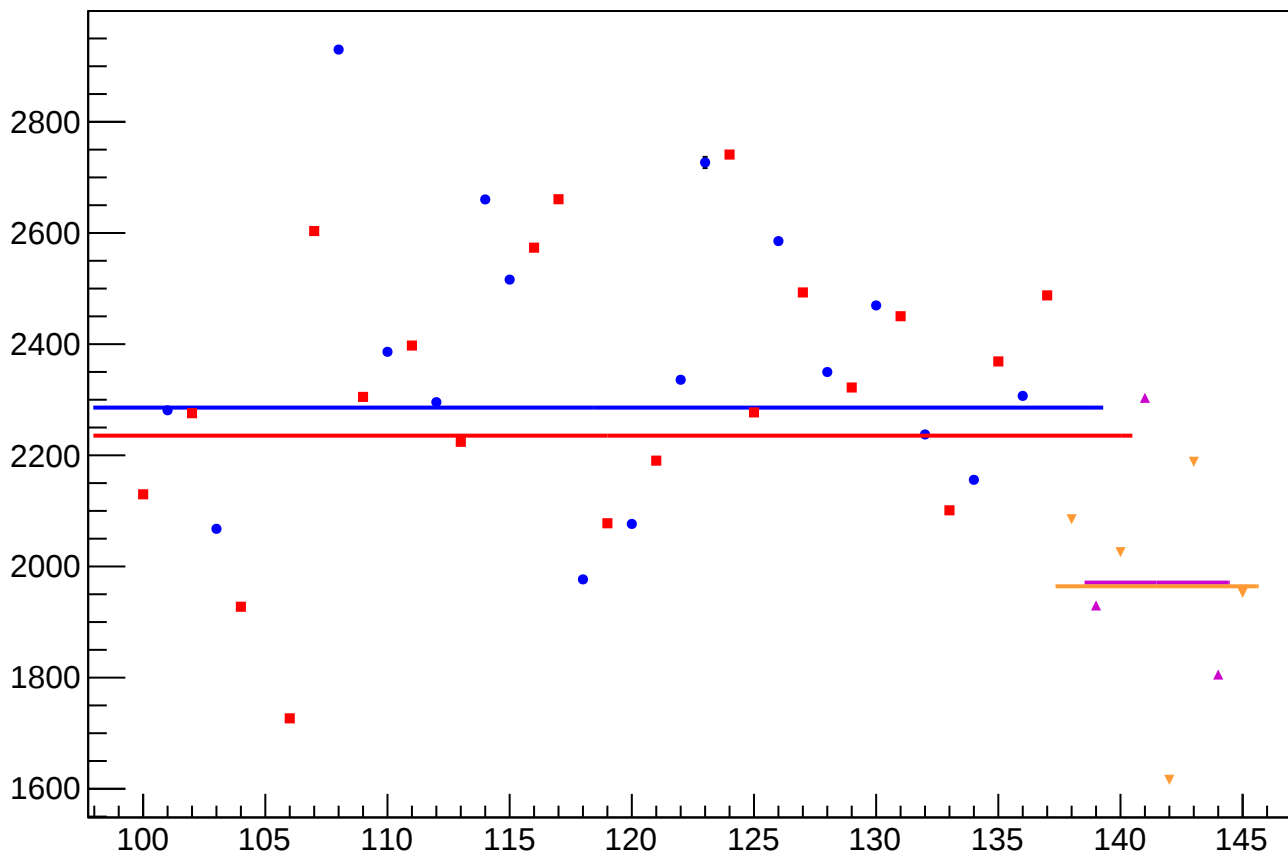
Right Out: -3.672+/-0.841 χ^2/NDF : 2607.8/19

Left In: 93.405+/-1.301 χ^2/NDF : 25.2/2

45.204+/-0.687 χ^2/NDF : 5888.5/21

24.935+/-0.706 χ^2/NDF : 6562.3/22

diff_bpm0i01X_rms vs Slug



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

Left Out: 1964.360+/-0.768 χ^2/NDF : 58736.4/4

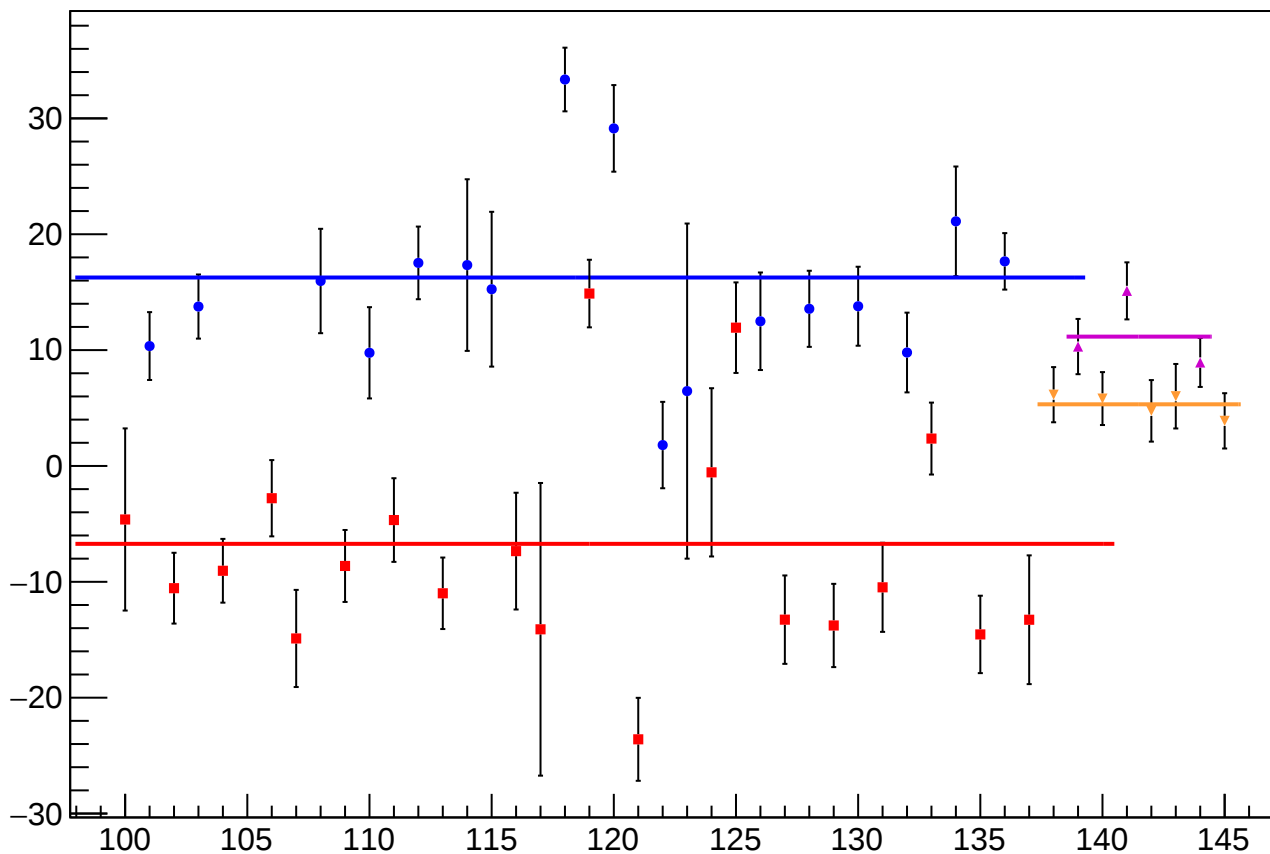
Right Out: 2235.394+/-0.594 χ^2/NDF : 149072.1/19

Left In: 1970.984+/-0.920 χ^2/NDF : 48331.0/2

2157.517+/-0.485 χ^2/NDF : 273268.5/21

2157.477+/-0.499 χ^2/NDF : 255702.7/22

diff_bpm0i01Y_mean vs Slug



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

Left Out: 5.322+/-1.108 χ^2/NDF : 0.6/4

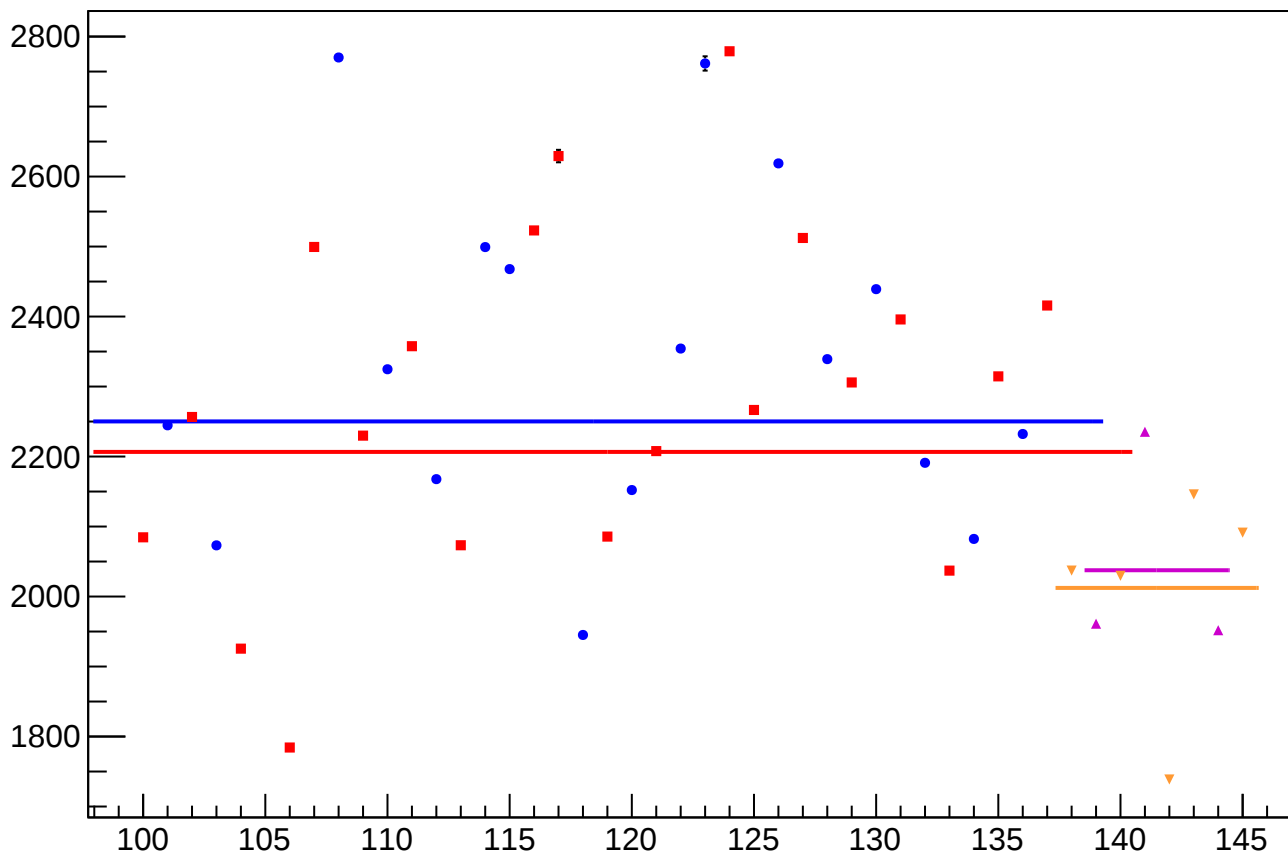
Right Out: -6.722+/-0.829 χ^2/NDF : 134.3/19

Left In: 11.163+/-1.330 χ^2/NDF : 3.8/2

12.083+/-0.685 χ^2/NDF : 141.7/21

-1.719+/-0.704 χ^2/NDF : 268.3/22

diff_bpm0i01Y_rms vs Slug



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

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

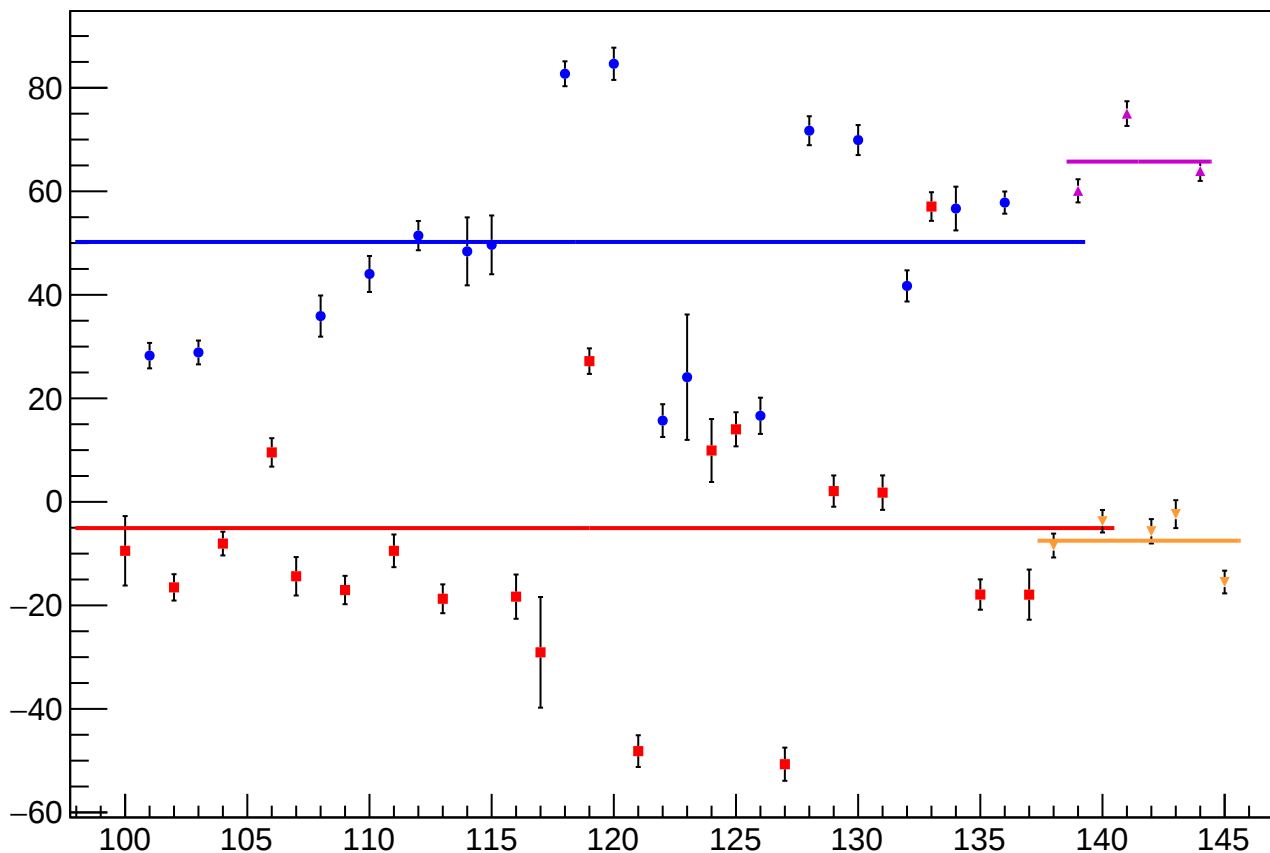
Right Out: 2206.617 $\pm$ 0.586 χ^2 /NDF: 128476.5/19

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

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

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

diff_bpm0i01aX_mean vs Slug



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

Left Out: -7.505 ± 1.039 χ^2/NDF : 20.6/4

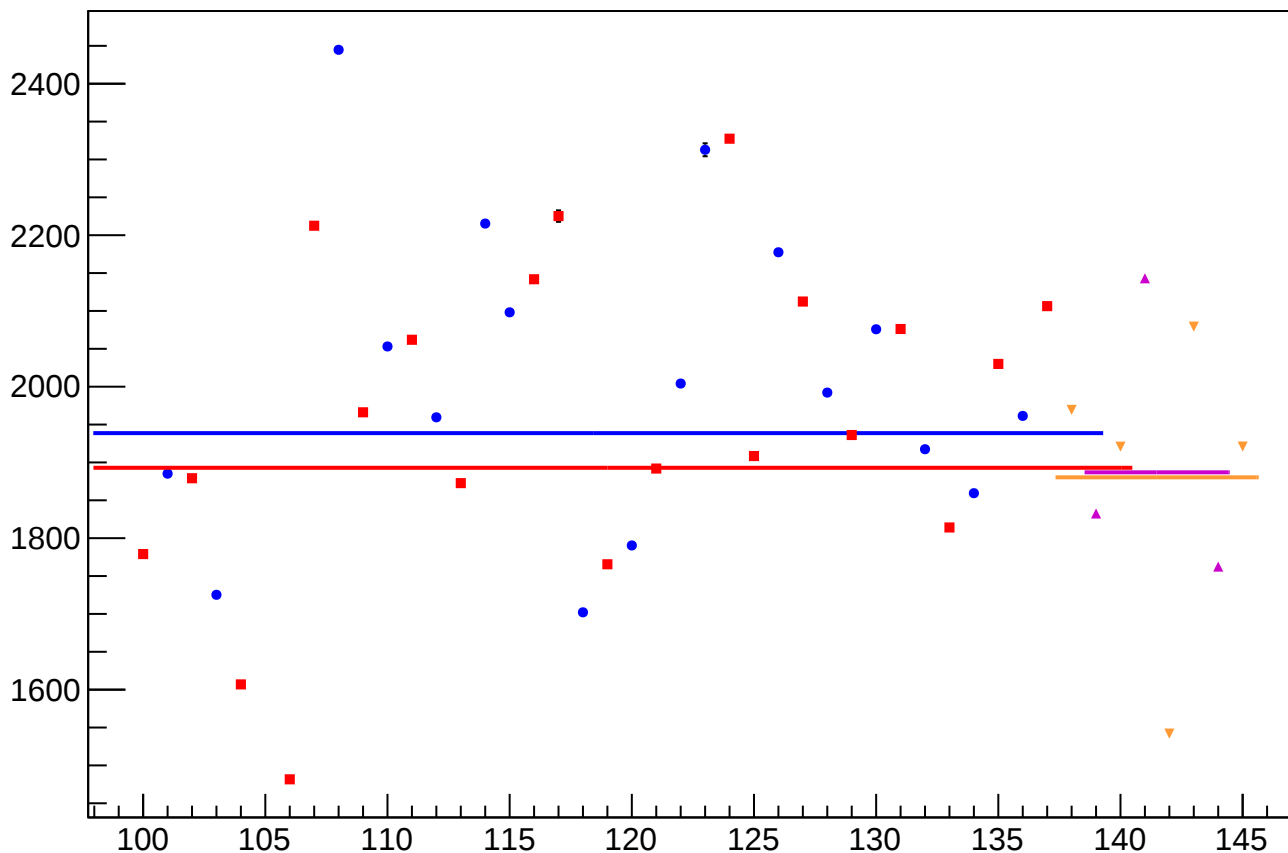
Right Out: -5.065 ± 0.712 χ^2/NDF : 1267.6/19

Left In: 65.742 ± 1.241 χ^2/NDF : 22.4/2

30.421 ± 0.609 χ^2/NDF : 2877.8/21

12.453 ± 0.618 χ^2/NDF : 3738.1/22

diff_bpm0i01aX_rms vs Slug



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

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

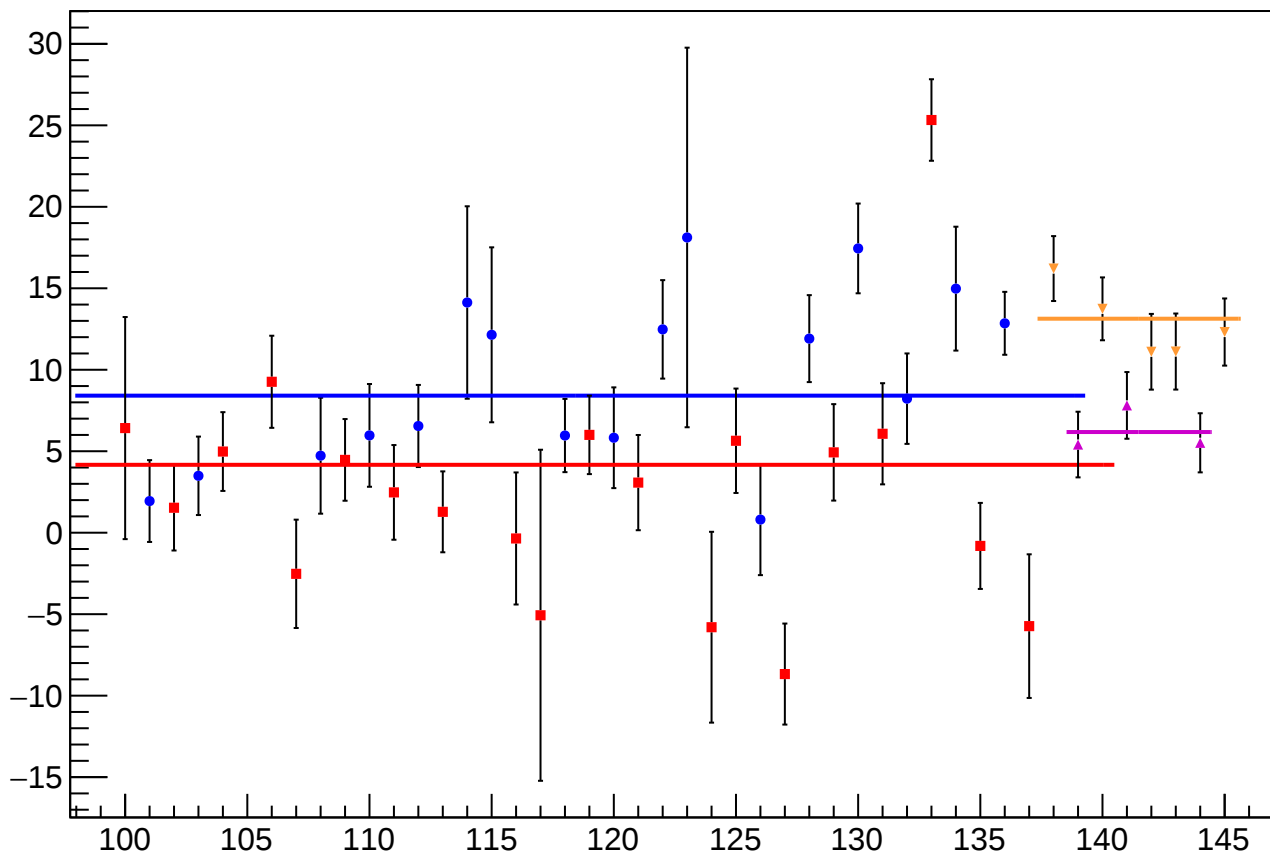
1918.671 $\pm$ 0.430 χ^2 /NDF: 160875.9/21

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

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

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

diff_bpm0i01aY_mean vs Slug



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

Left Out: 13.133 $\pm$ 0.943 χ^2 /NDF: 4.2/4

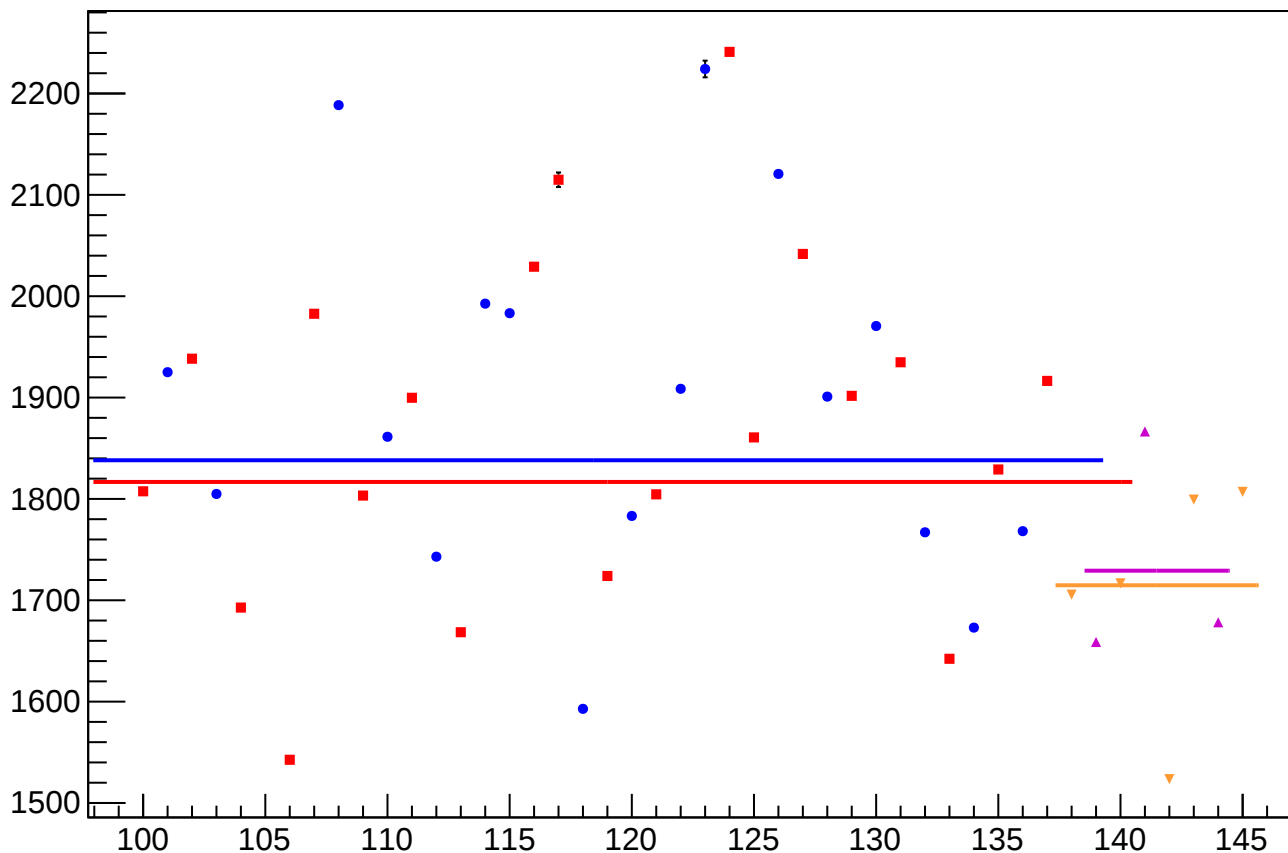
Right Out: 4.167 $\pm$ 0.681 χ^2 /NDF: 113.9/19

Left In: 6.178 $\pm$ 1.126 χ^2 /NDF: 0.9/2

10.124 $\pm$ 0.568 χ^2 /NDF: 64.7/21

4.705 $\pm$ 0.583 χ^2 /NDF: 117.1/22

diff_bpm0i01aY_rms vs Slug



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

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

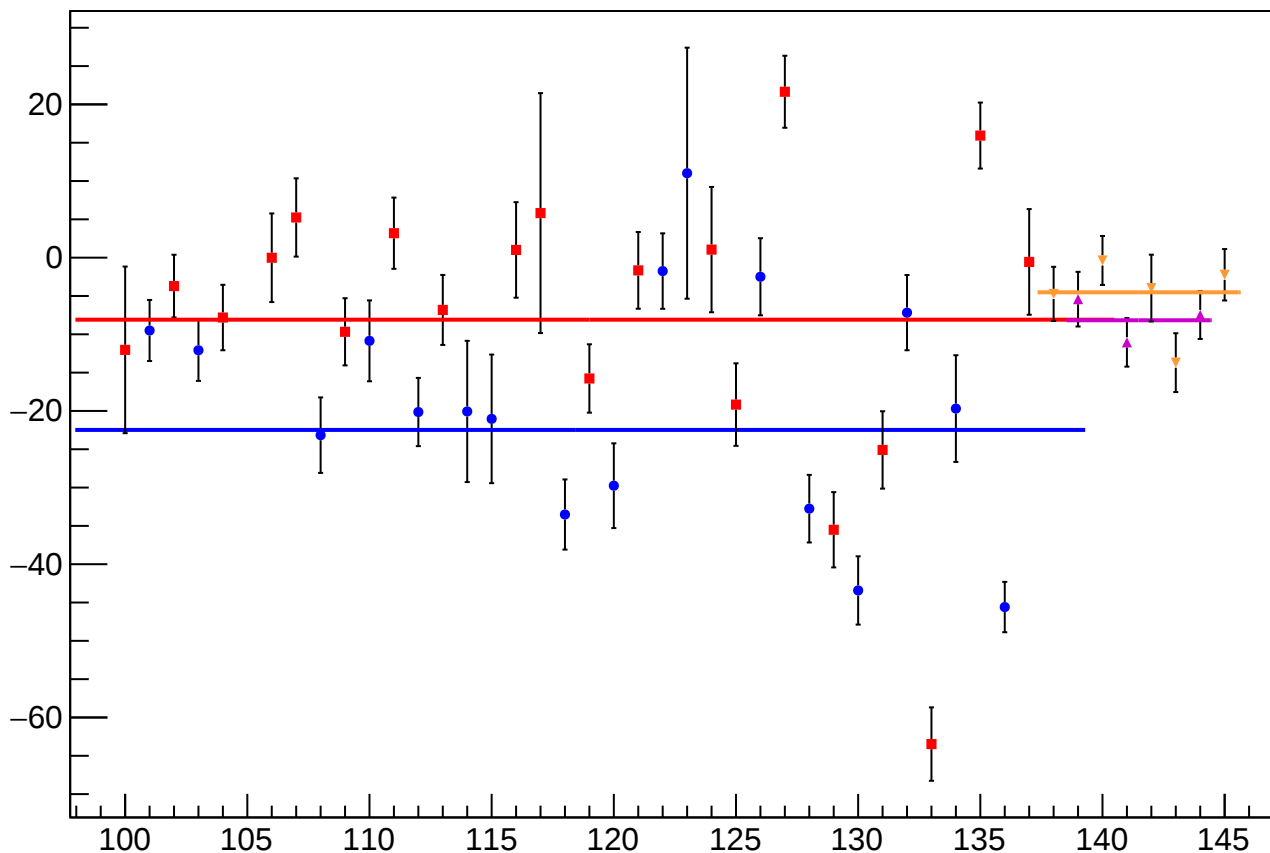
Right Out: 1816.748+/-0.481 χ^2/NDF : 89149.7/19

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

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

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

diff_bpm0l01X_mean vs Slug



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

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

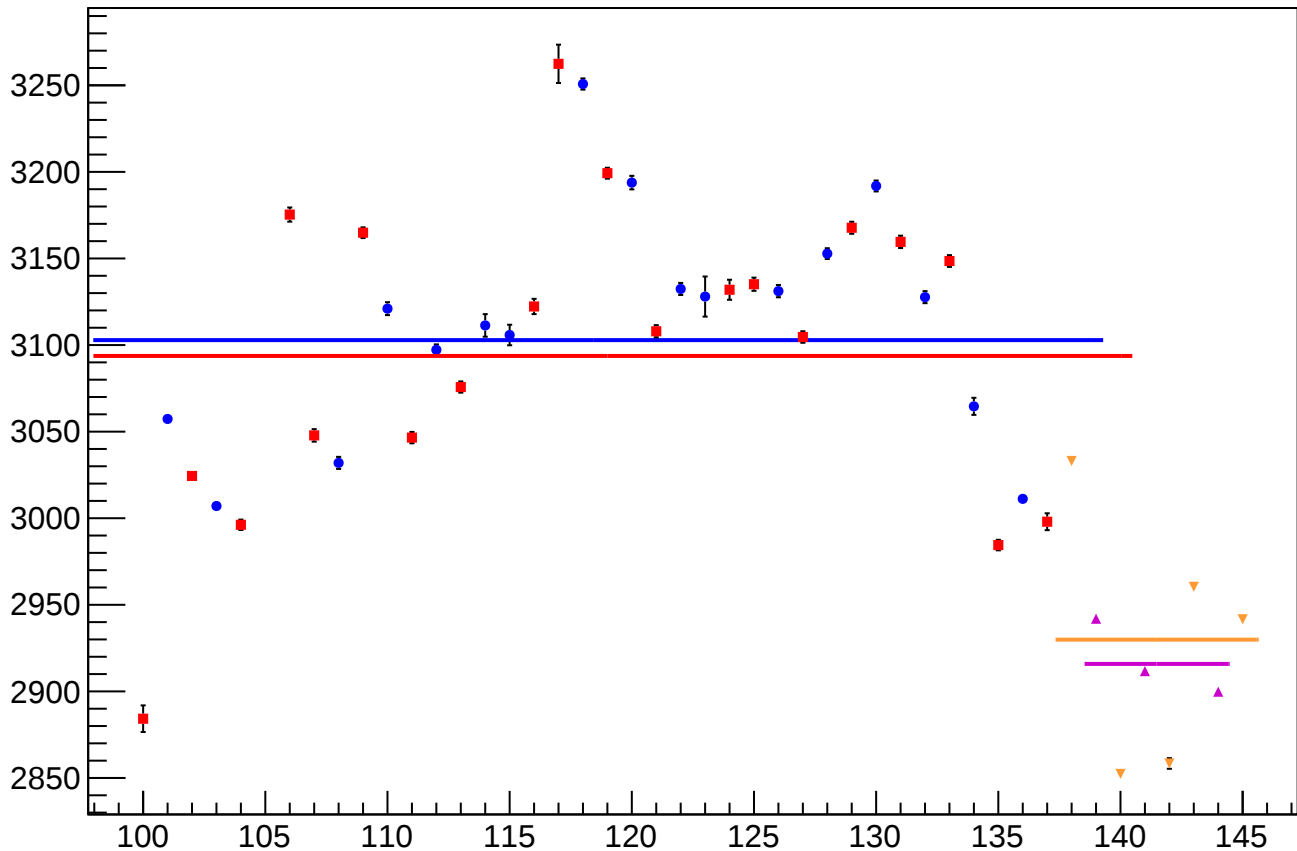
Right Out: -8.093 ± 1.153 χ^2/NDF : 277.7/19

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

-16.084 ± 0.959 χ^2/NDF : 243.1/21

-8.114 ± 0.984 χ^2/NDF : 279.2/22

diff_bpm0l01X_rms vs Slug



Right In: 3102.846 ± 0.845 $\chi^2/\text{NDF}: 7344.9/16$

Left Out: 2929.881 ± 1.136 $\chi^2/\text{NDF}: 3568.8/4$

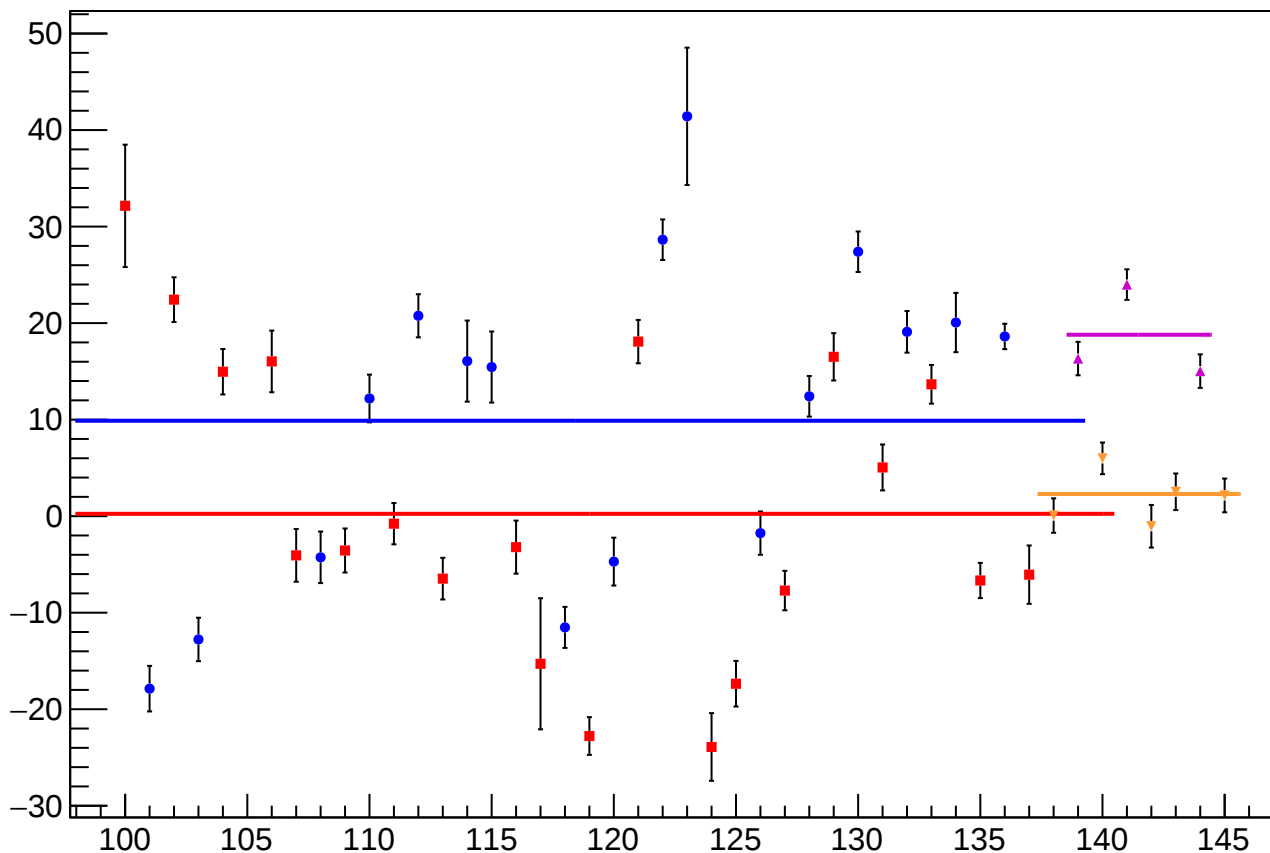
Right Out: 3093.715 ± 0.816 $\chi^2/\text{NDF}: 7996.8/19$

Left In: 2915.868 ± 1.336 $\chi^2/\text{NDF}: 163.1/2$

3041.263 ± 0.678 $\chi^2/\text{NDF}: 25838.5/21$

3045.409 ± 0.696 $\chi^2/\text{NDF}: 21076.2/22$

diff_bpm0l01Y_mean vs Slug



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

Left Out: 2.298 $\pm$ 0.817 χ^2 /NDF: 9.0/4

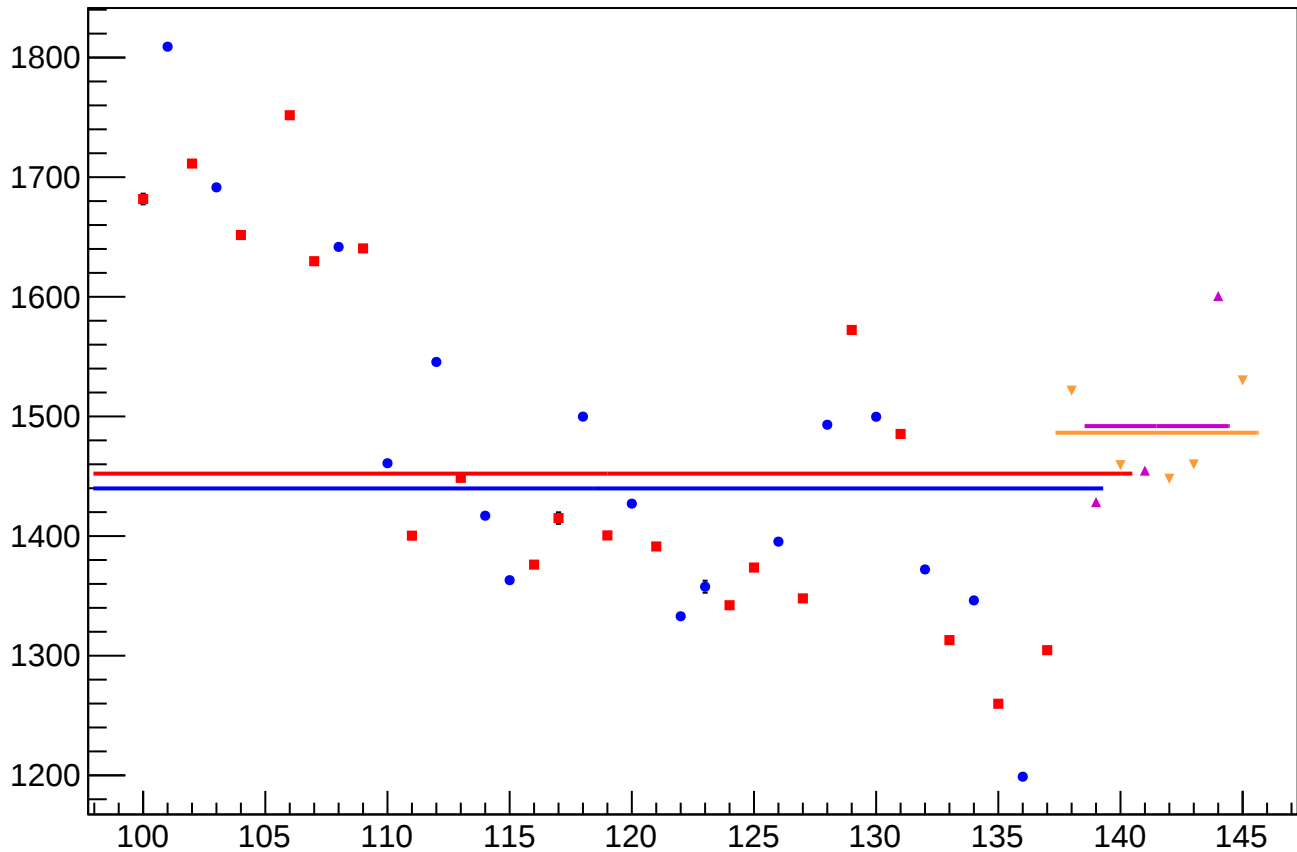
Right Out: 0.245 $\pm$ 0.545 χ^2 /NDF: 634.1/19

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

7.465 $\pm$ 0.462 χ^2 /NDF: 771.3/21

4.696 $\pm$ 0.475 χ^2 /NDF: 929.4/22

diff_bpm0l01Y_rms vs Slug



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

Left Out: 1486.364 ± 0.578 χ^2/NDF : 3576.3/4

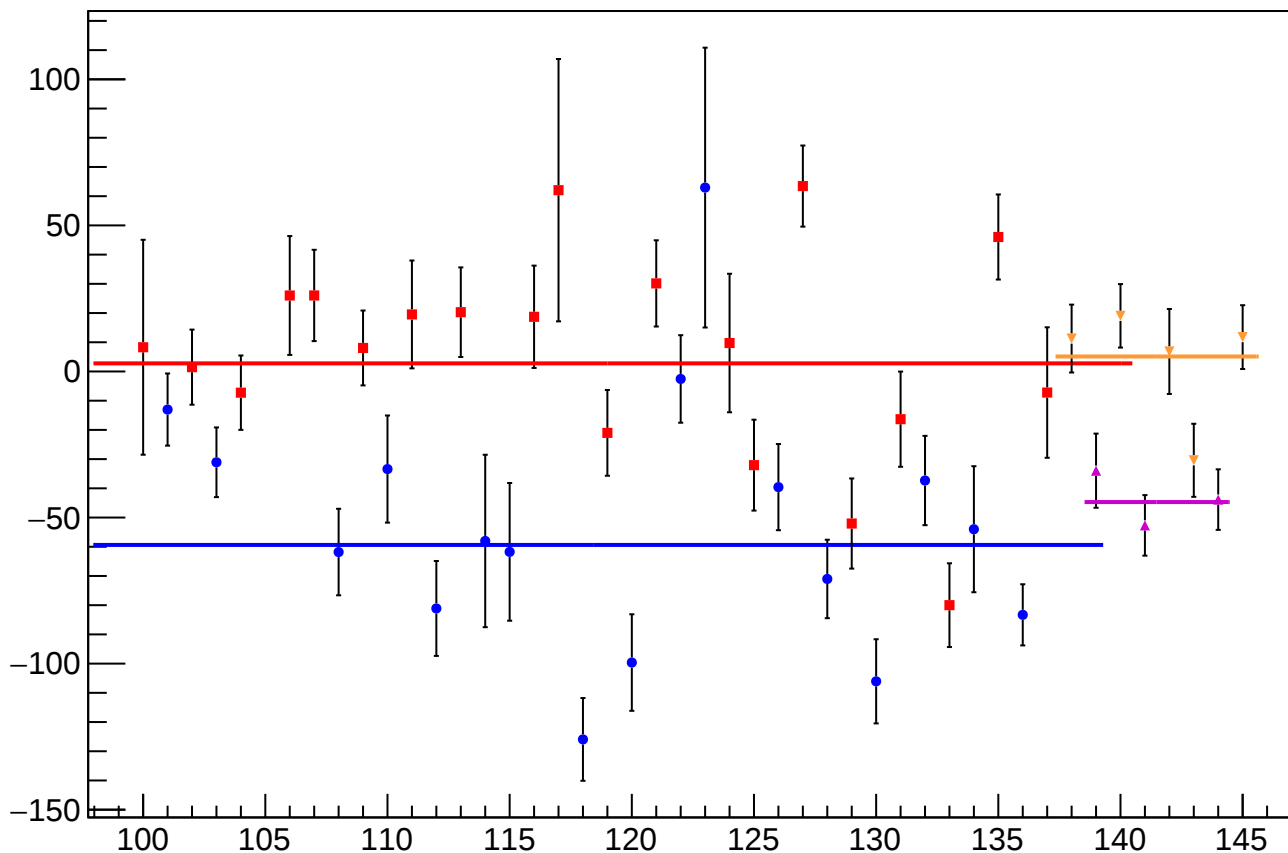
Right Out: 1452.211 ± 0.385 χ^2/NDF : 138579.9/19

Left In: 1491.936 ± 0.686 χ^2/NDF : 11603.5/2

1454.682 ± 0.326 χ^2/NDF : 180817.4/21

1461.742 ± 0.336 χ^2/NDF : 152731.7/22

diff_bpm0l02X_mean vs Slug



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

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

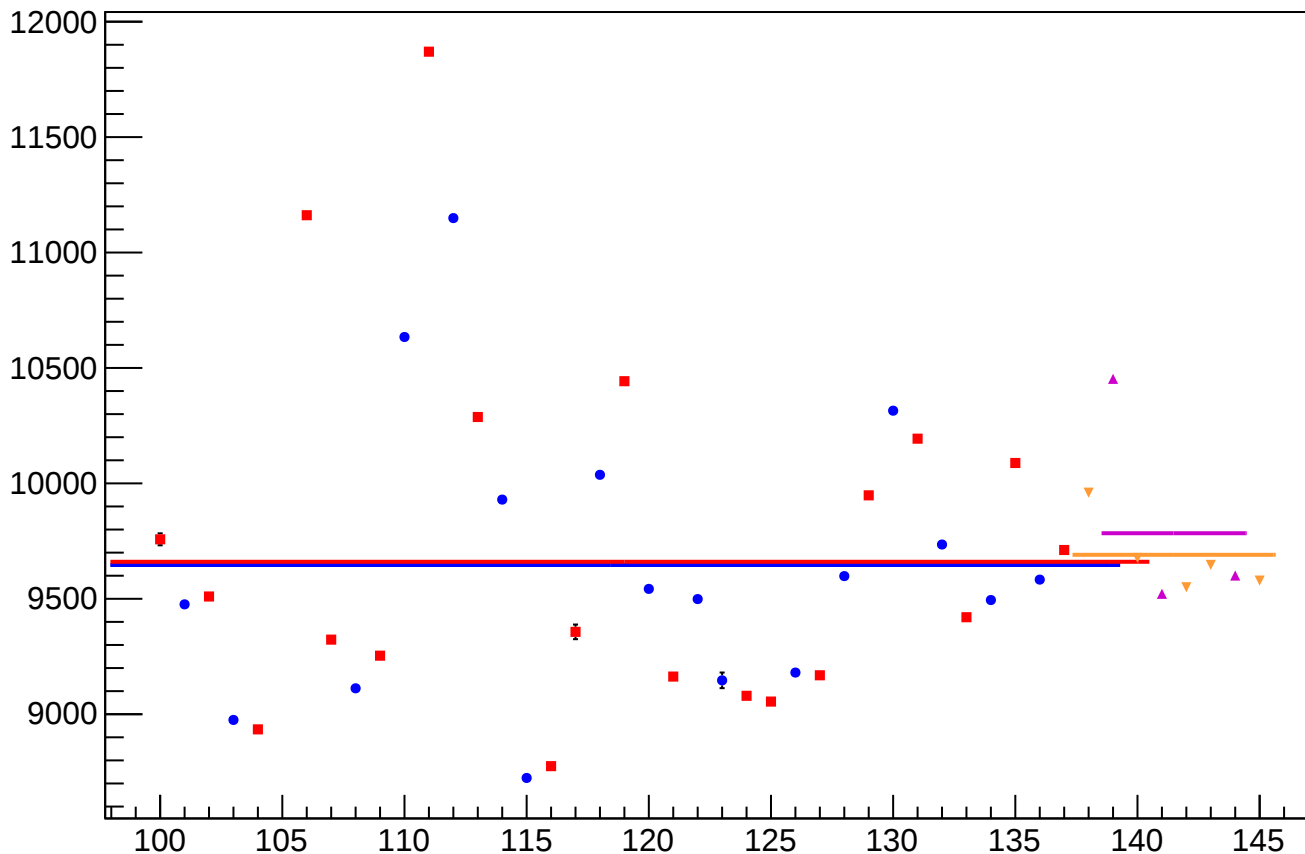
Right Out: 2.776 $\pm$ 3.618 χ^2 /NDF: 95.7/19

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

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

-8.871 $\pm$ 3.143 χ^2 /NDF: 139.2/22

diff_bpm0l02X_rms vs Slug



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

Left Out: 9690.553+/-3.759 χ^2/NDF :1498.1/4

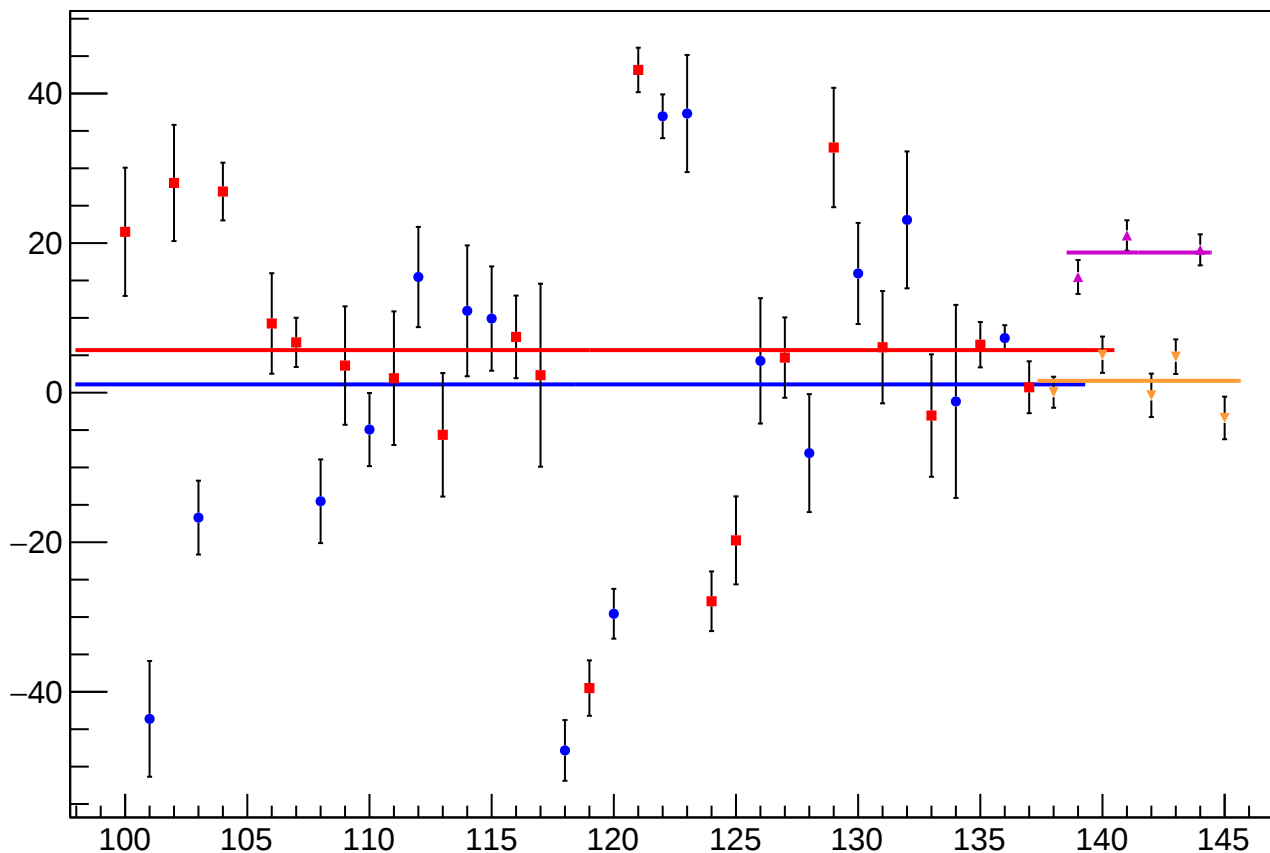
Right Out: 9660.380+/-2.558 χ^2/NDF : 77676.0/19

Left In: 9784.065+/-4.487 χ^2/NDF :7461.7/2

9661.015+/-2.159 χ^2/NDF : 45650.5/21

9690.724+/-2.222 χ^2/NDF : 85711.2/22

diff_bpm0l02Y_mean vs Slug



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

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

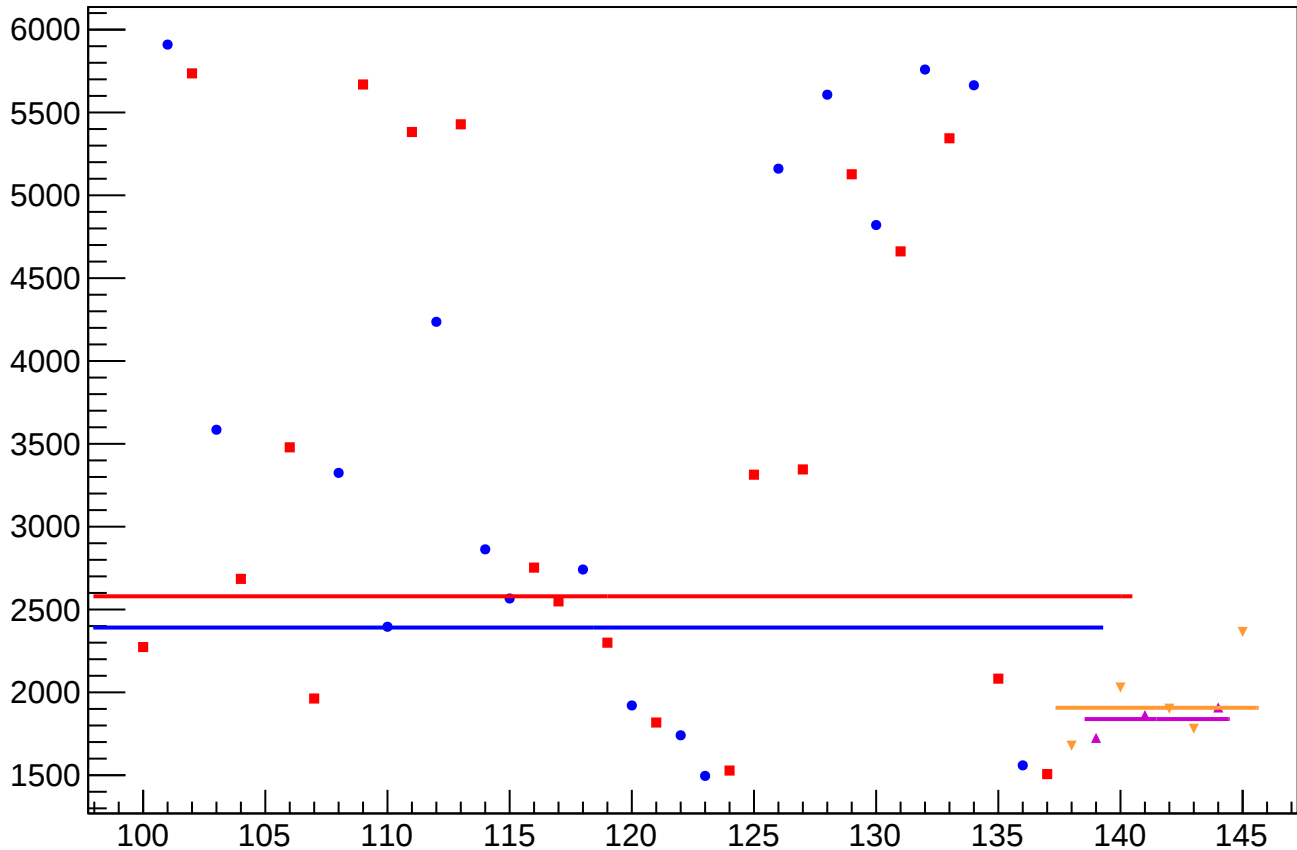
Right Out: 5.689 $\pm$ 1.087 χ^2 /NDF: 456.0/19

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

1.338 $\pm$ 0.765 χ^2 /NDF: 497.8/21

11.448 $\pm$ 0.812 χ^2 /NDF: 523.0/22

diff_bpm0l02Y_rms vs Slug



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

Left Out: 1906.825+/-0.776 χ^2/NDF : 87006.9/4

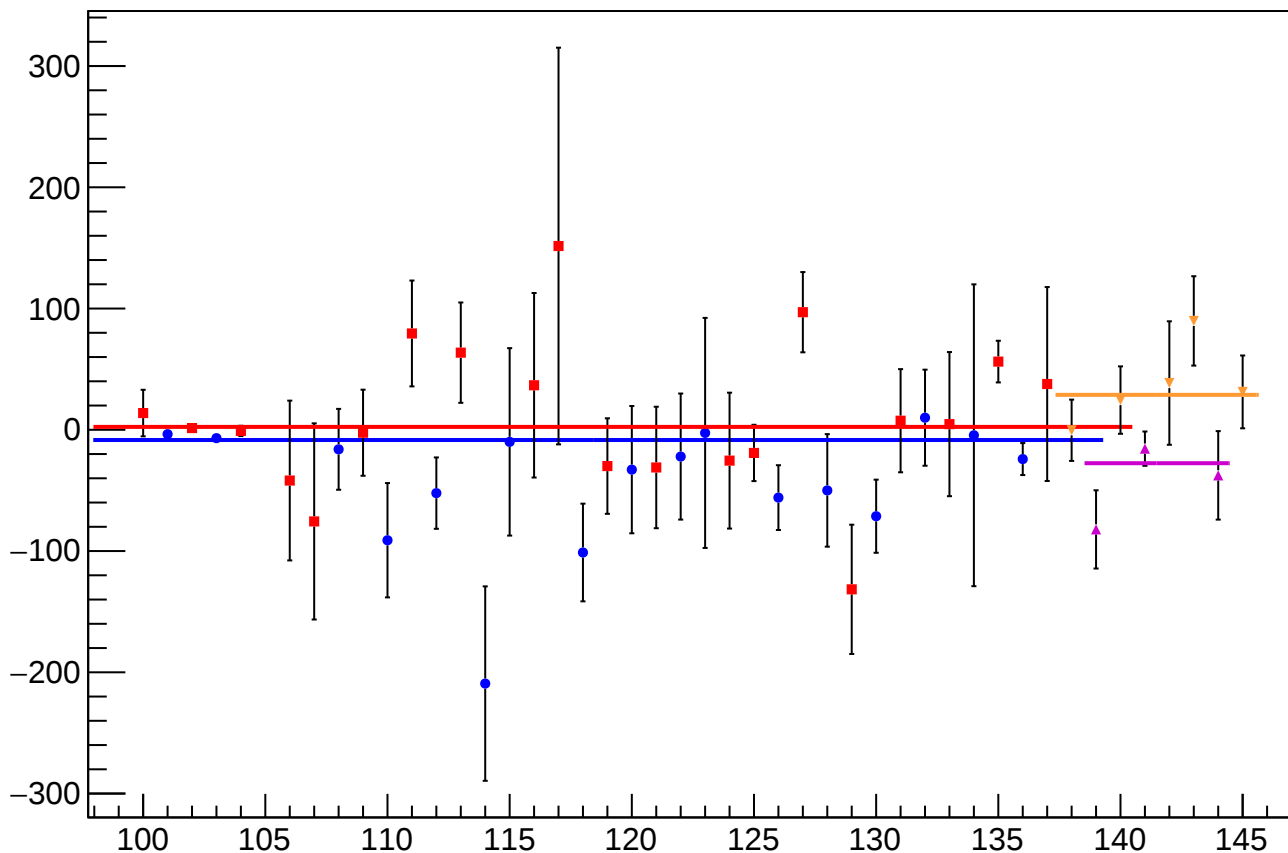
2155.904+/-0.541 χ^2/NDF : 2887924.0/21

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

2252.817+/-0.574 χ^2/NDF : 2783093.8/22

Left In: 1838.837+/-0.865 χ^2/NDF : 7567.3/2

diff_bpm0l03X_mean vs Slug



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

Left Out: 28.823 ± 14.013 $\chi^2/\text{NDF}: 4.1/4$

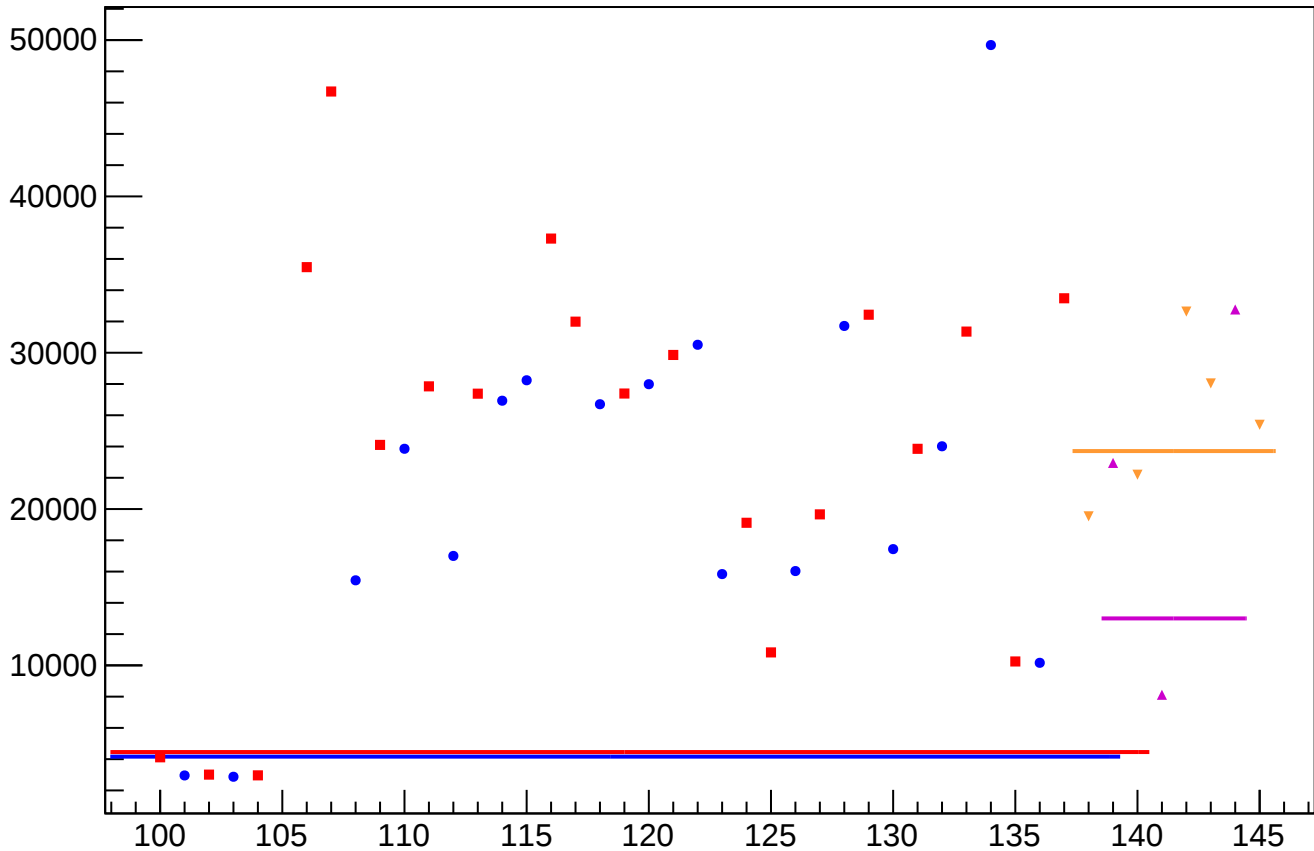
Right Out: 2.392 ± 2.786 $\chi^2/\text{NDF}: 35.5/19$

Left In: -27.561 ± 12.209 $\chi^2/\text{NDF}: 3.7/2$

-7.202 ± 2.544 $\chi^2/\text{NDF}: 39.9/21$

0.909 ± 2.717 $\chi^2/\text{NDF}: 44.9/22$

diff_bpm0l03X_rms vs Slug



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

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

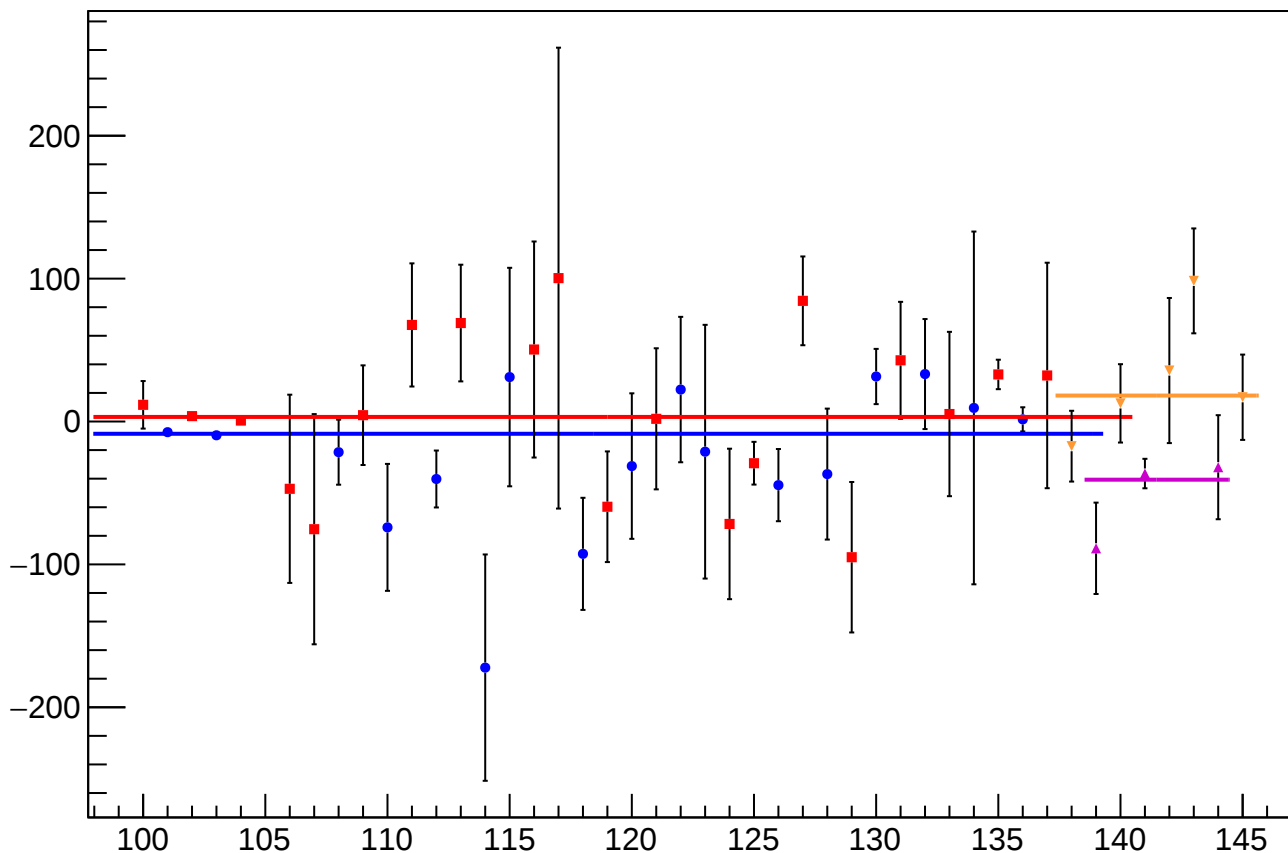
4806.732+/-1.799 χ^2/NDF : 9908905.5/21

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

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

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

diff_bpm0l03Y_mean vs Slug



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

Left Out: 18.163 ± 13.851 $\chi^2/\text{NDF}: 7.0/4$

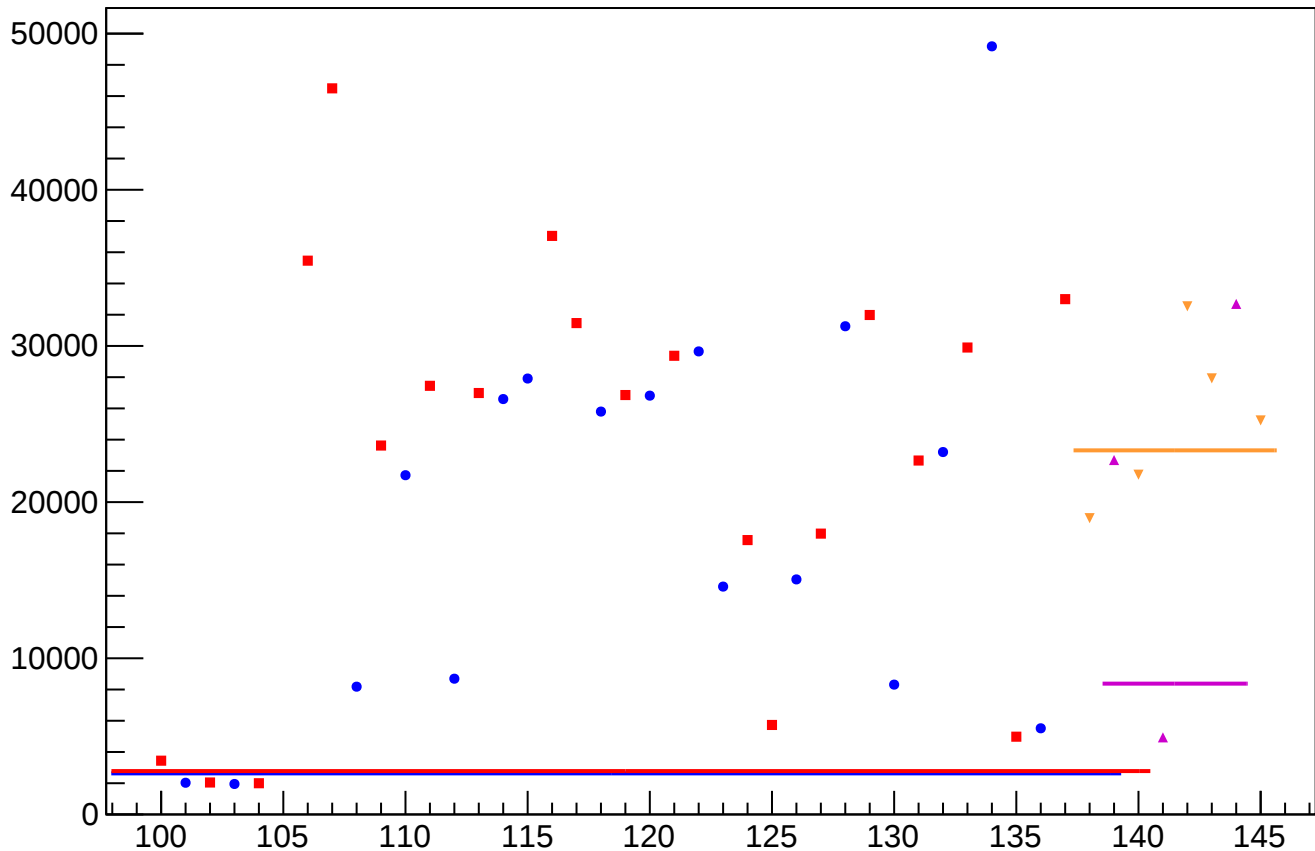
Right Out: 3.208 ± 1.922 $\chi^2/\text{NDF}: 37.2/19$

Left In: -40.719 ± 9.475 $\chi^2/\text{NDF}: 2.5/2$

-8.153 ± 1.763 $\chi^2/\text{NDF}: 35.1/21$

1.472 ± 1.884 $\chi^2/\text{NDF}: 60.4/22$

diff_bpm0l03Y_rms vs Slug



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

Left Out: 23314.189+/-9.794 χ^2/NDF :173727.0/4

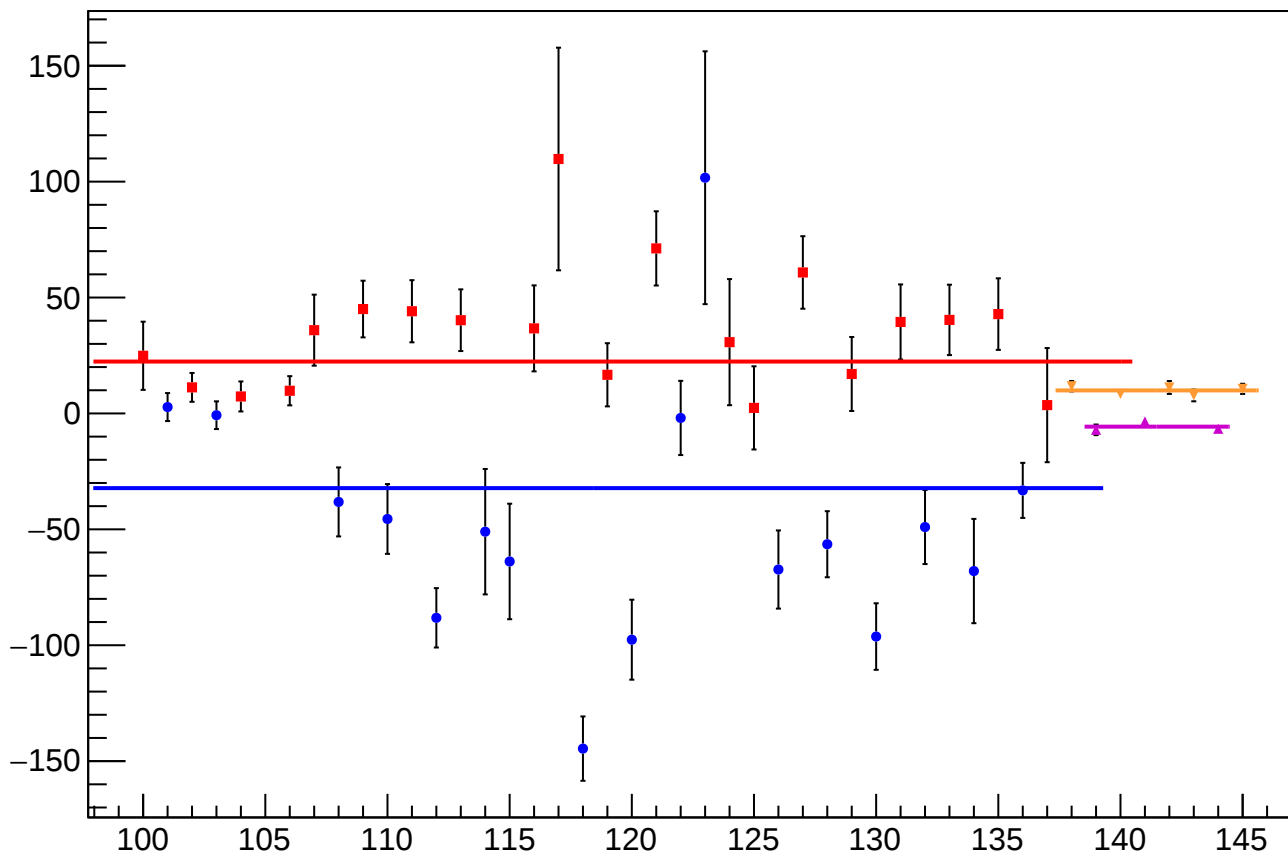
Right Out: 2777.521+/-1.359 χ^2/NDF : 7899165.0/19

Left In: 8376.401+/-6.700 χ^2/NDF :1515728.5/2

2965.769+/-1.247 χ^2/NDF : 10150508.1/21

2998.798+/-1.332 χ^2/NDF : 10085574.0/22

diff_bpm0l04X_mean vs Slug



Right In: -32.222 ± 2.981 $\chi^2/\text{NDF}: 203.7/16$

Left Out: 9.930 ± 1.051 $\chi^2/\text{NDF}: 2.2/4$

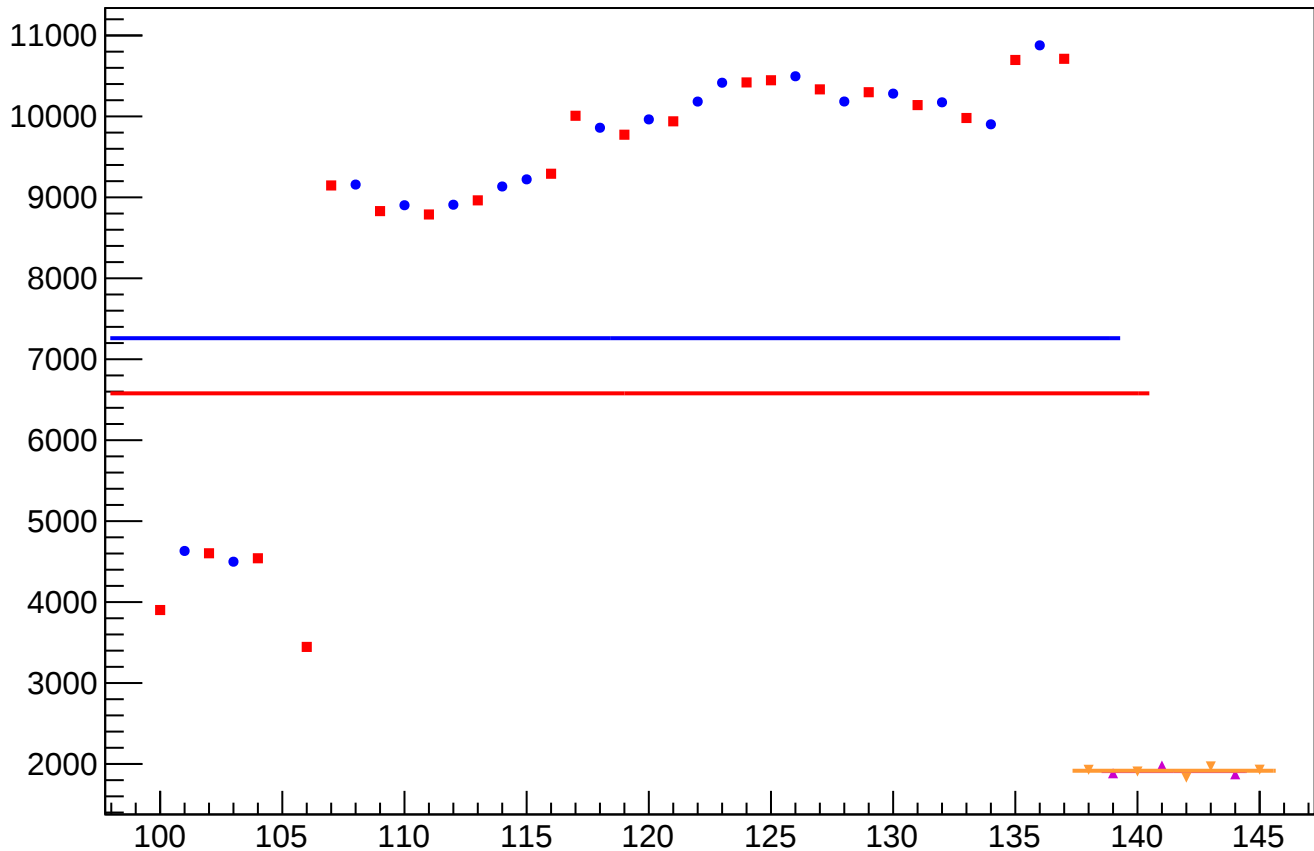
Right Out: 22.381 ± 2.665 $\chi^2/\text{NDF}: 47.0/19$

Left In: -5.706 ± 1.240 $\chi^2/\text{NDF}: 1.6/2$

5.269 ± 0.991 $\chi^2/\text{NDF}: 383.6/21$

-0.710 ± 1.124 $\chi^2/\text{NDF}: 139.9/22$

diff_bpm0l04X_rms vs Slug



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

Left Out: 1916.320+/-0.743 χ^2/NDF : 2895.7/4

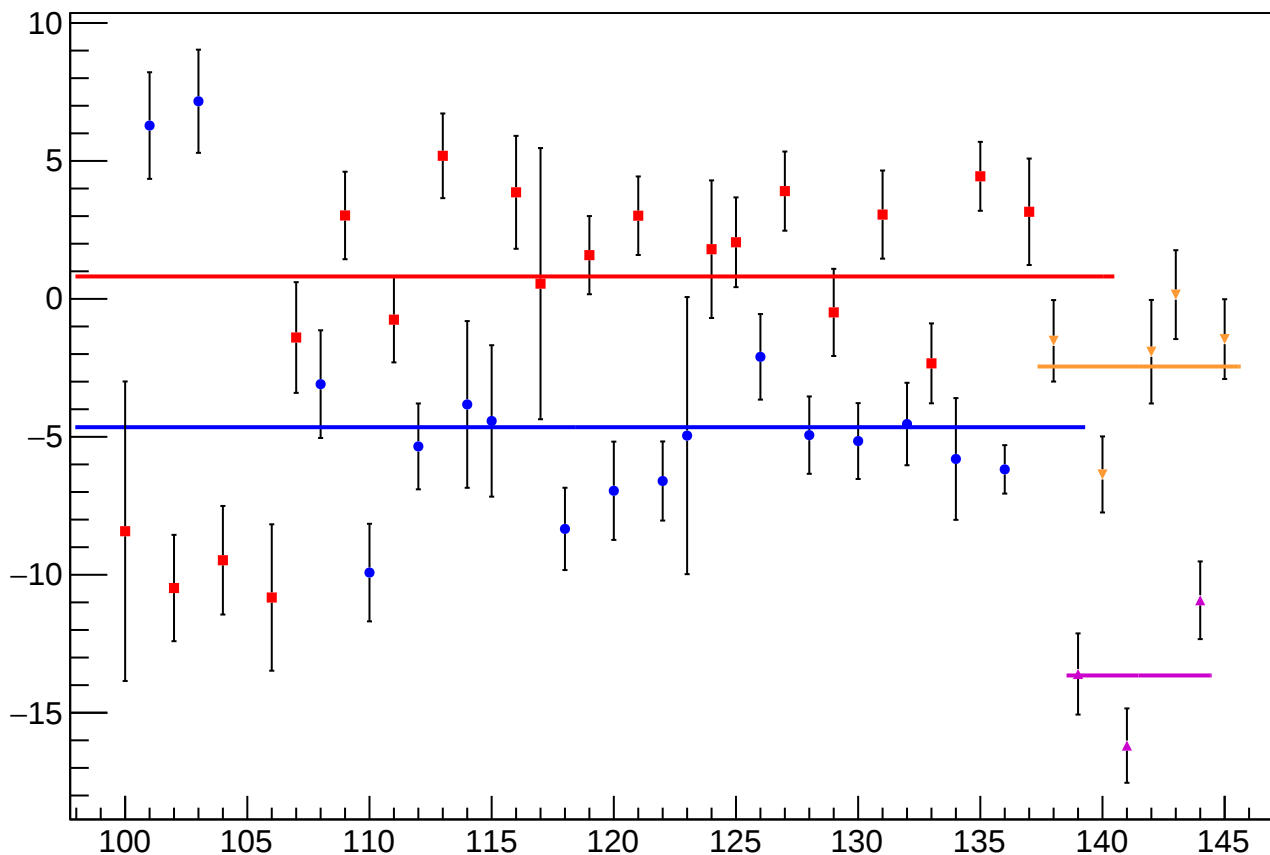
2507.274+/-0.701 χ^2/NDF : 7353885.9/21

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

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

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

diff_bpm0l04Y_mean vs Slug



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

Left Out: -2.451+/-0.685 χ^2/NDF : 11.6/4

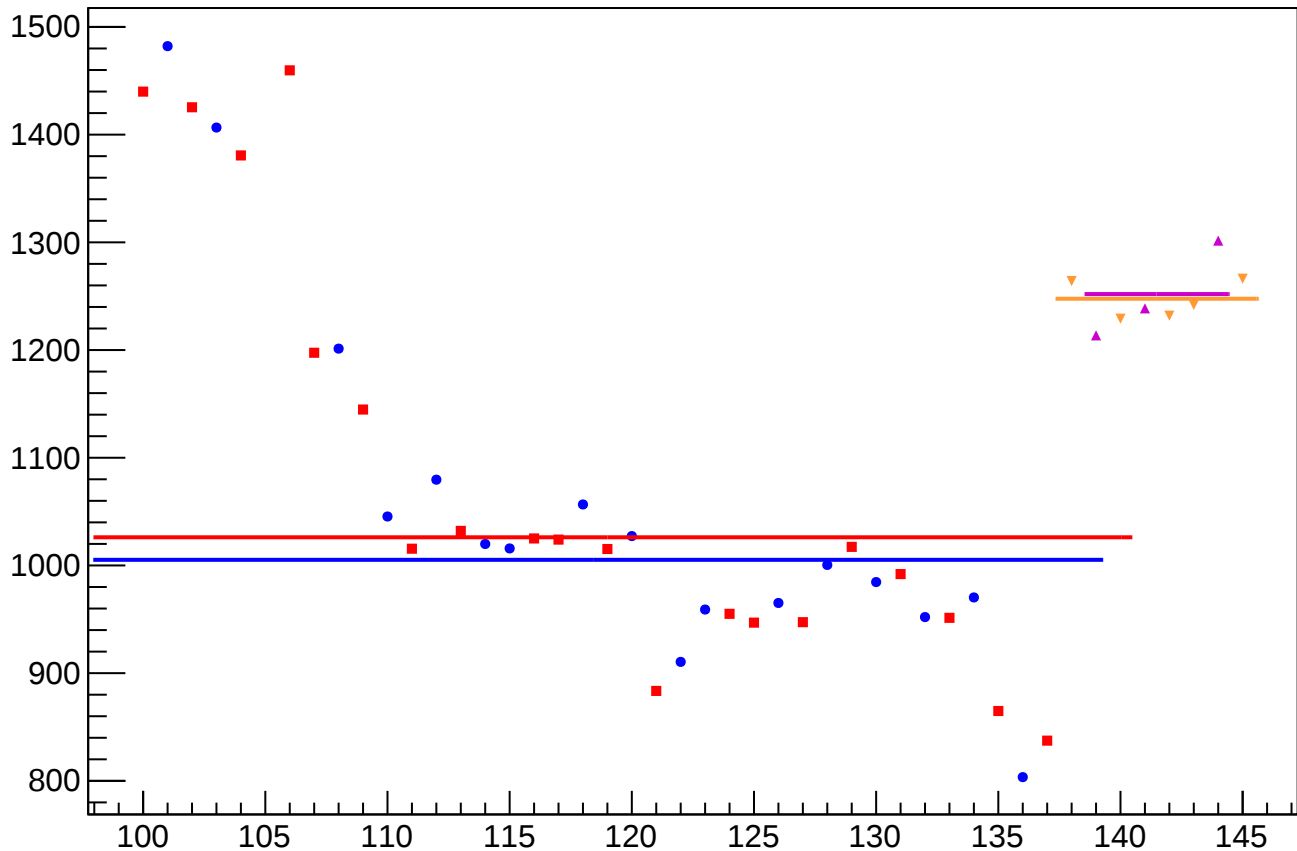
Right Out: 0.813+/-0.387 χ^2/NDF : 123.7/19

Left In: -13.649+/-0.812 χ^2/NDF : 7.3/2

-4.106+/-0.341 χ^2/NDF : 117.0/21

-1.867+/-0.350 χ^2/NDF : 389.4/22

diff_bpm0l04Y_rms vs Slug



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

Left Out: 1247.632+/-0.484 χ^2/NDF : 1105.2/4

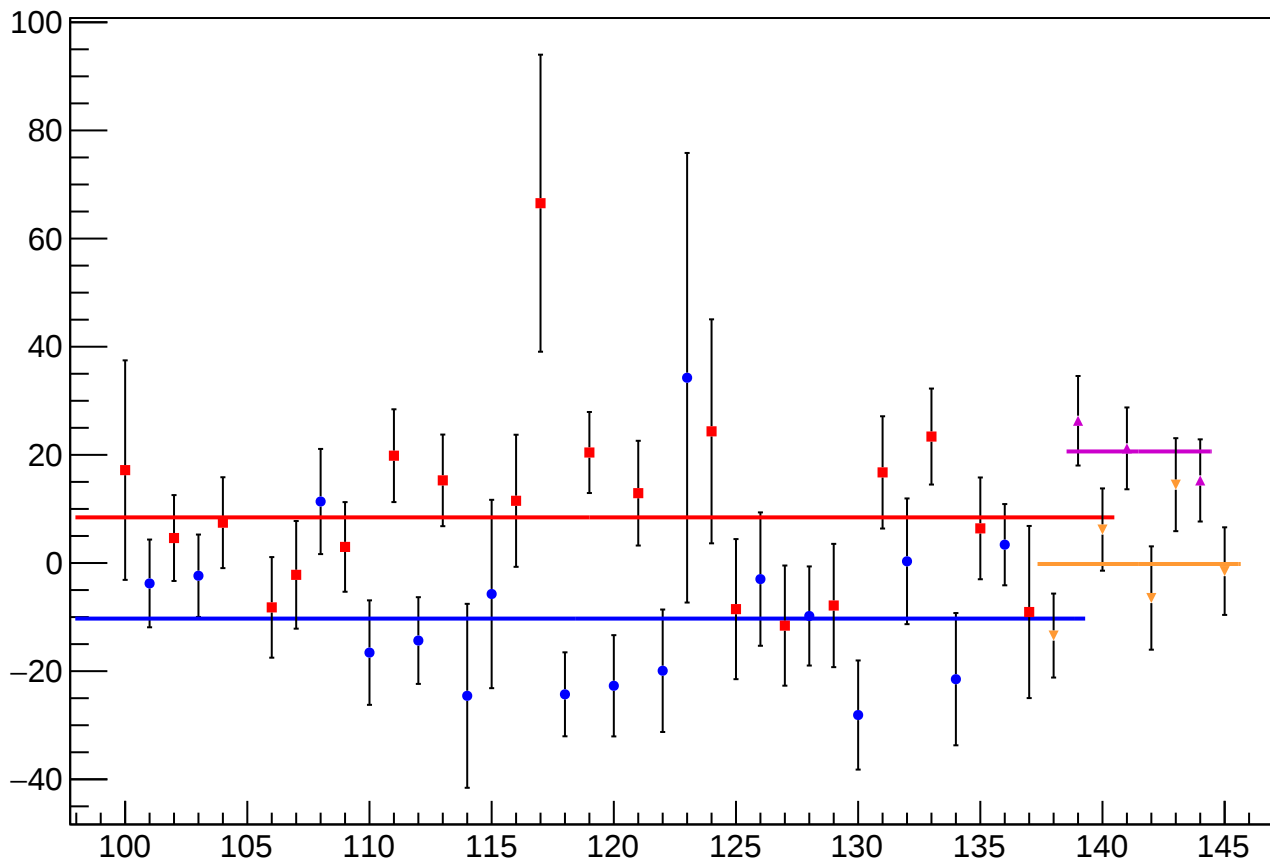
Right Out: 1026.145+/-0.274 χ^2/NDF : 333119.4/19

Left In: 1251.970+/-0.574 χ^2/NDF : 4036.4/2

1065.206+/-0.241 χ^2/NDF : 551690.2/21

1067.994+/-0.247 χ^2/NDF : 463166.1/22

diff_bpm0l05X_mean vs Slug



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

Left Out: -0.181 ± 3.686 $\chi^2/\text{NDF}: 7.0/4$

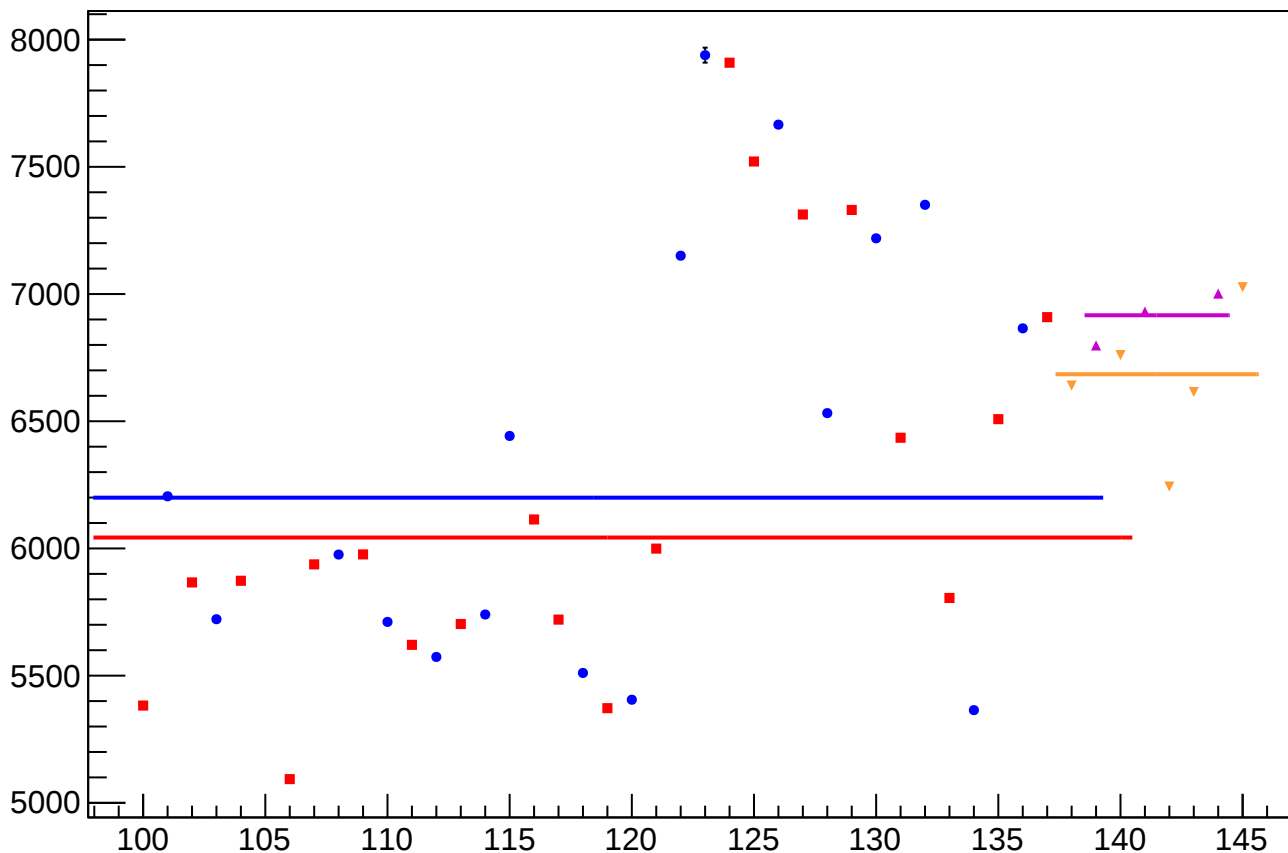
Right Out: 8.441 ± 2.271 $\chi^2/\text{NDF}: 27.3/19$

Left In: 20.630 ± 4.500 $\chi^2/\text{NDF}: 1.0/2$

-7.258 ± 2.016 $\chi^2/\text{NDF}: 35.7/21$

10.914 ± 2.027 $\chi^2/\text{NDF}: 34.1/22$

diff_bpm0l05X_rms vs Slug



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

Left Out: 6684.656 $\pm$ 2.607 χ^2 /NDF: 8230.1/4

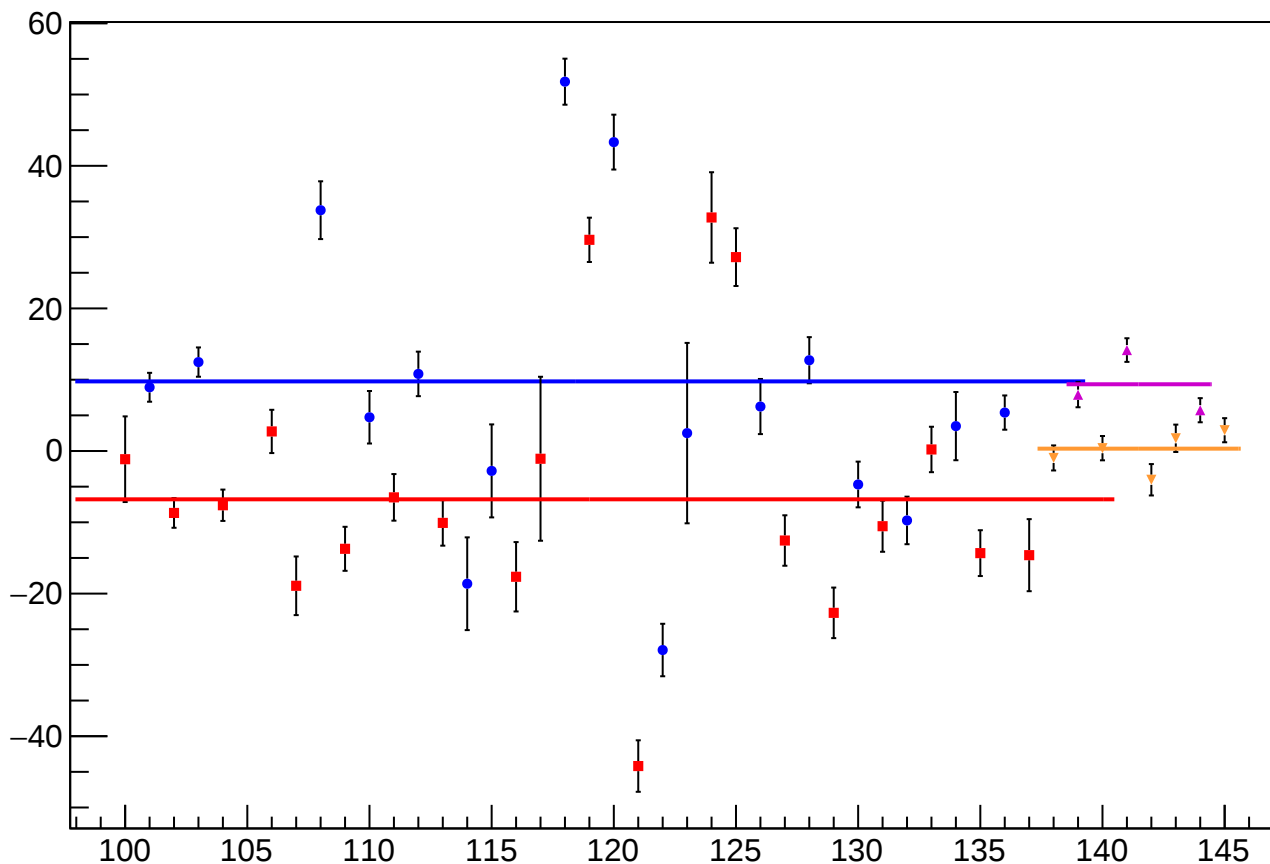
Right Out: 6042.952 $\pm$ 1.606 χ^2 /NDF: 158600.9/19

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

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

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

diff_bpm0l05Y_mean vs Slug



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

Left Out: 0.330 ± 0.818 $\chi^2/\text{NDF}: 7.4/4$

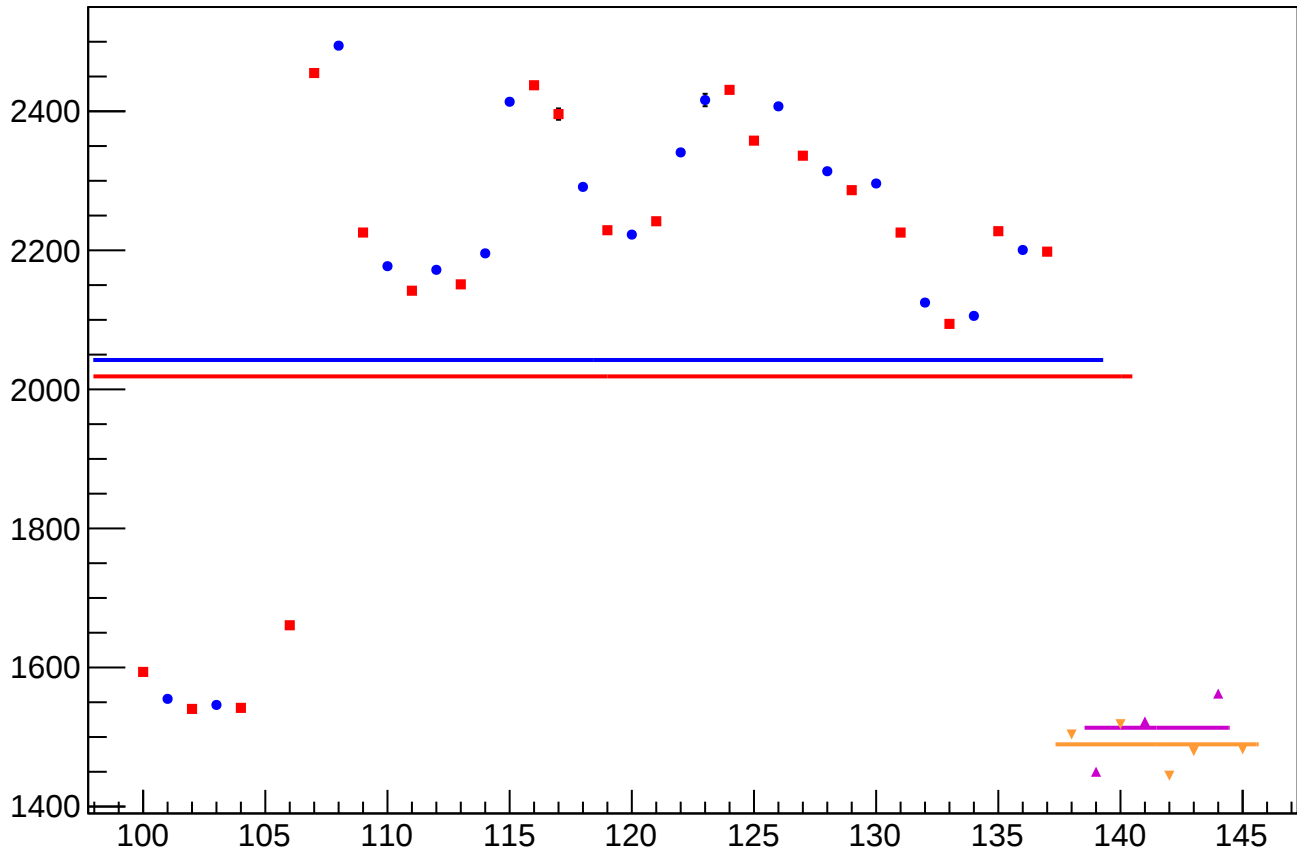
Right Out: -6.776 ± 0.763 $\chi^2/\text{NDF}: 422.1/19$

Left In: 9.362 ± 0.982 $\chi^2/\text{NDF}: 13.7/2$

5.168 ± 0.571 $\chi^2/\text{NDF}: 549.5/21$

-0.702 ± 0.603 $\chi^2/\text{NDF}: 604.1/22$

diff_bpm0l05Y_rms vs Slug



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

Left Out: 1489.493+/-0.578 χ^2/NDF : 1635.3/4

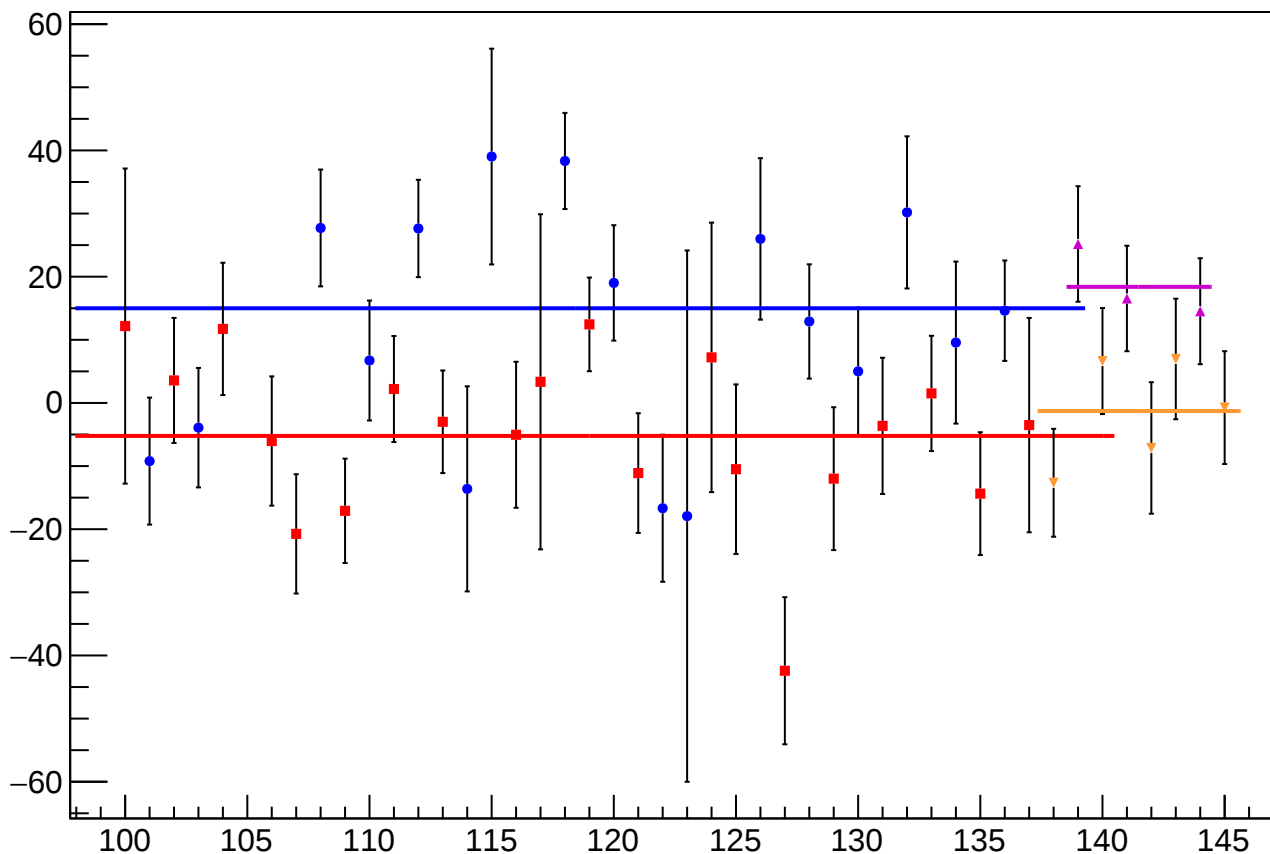
1772.985+/-0.404 χ^2/NDF : 827314.1/21

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

1828.481+/-0.426 χ^2/NDF : 712304.3/22

Left In: 1513.326+/-0.695 χ^2/NDF : 4336.4/2

diff_bpm0l06X_mean vs Slug



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

Left Out: -1.282 $\pm$ 4.062 χ^2 /NDF: 3.7/4

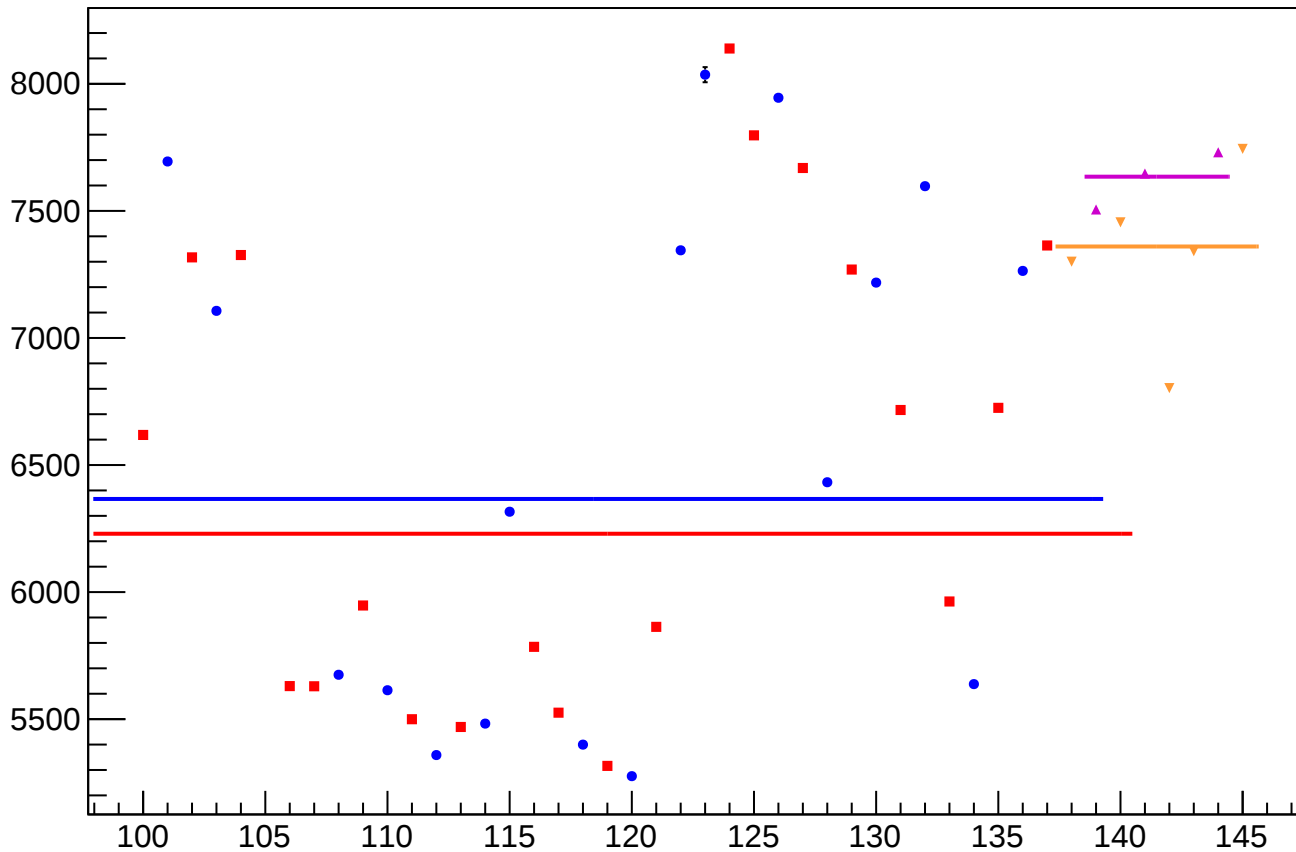
Right Out: -5.223 $\pm$ 2.348 χ^2 /NDF: 28.2/19

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

10.562 $\pm$ 2.120 χ^2 /NDF: 56.7/21

-0.916 $\pm$ 2.123 χ^2 /NDF: 47.4/22

diff_bpm0l06X_rms vs Slug



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

Left Out: 7359.943 ± 2.872 χ^2/NDF : 9787.5/4

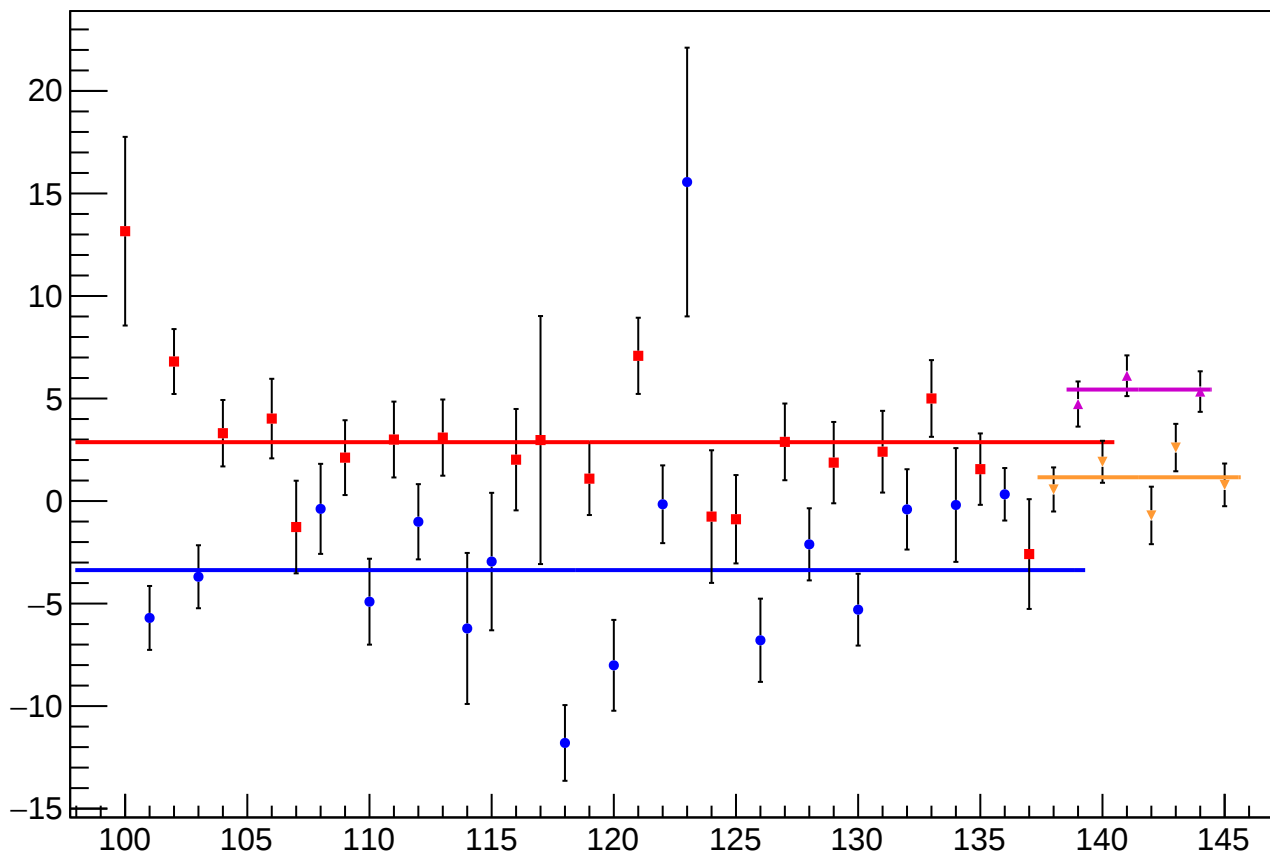
Right Out: 6229.625 ± 1.660 χ^2/NDF : 244622.7/19

Left In: 7634.698 ± 3.515 χ^2/NDF : 663.7/2

6637.117 ± 1.499 χ^2/NDF : 383335.6/21

6485.933 ± 1.501 χ^2/NDF : 375915.7/22

diff_bpm0l06Y_mean vs Slug



Right In: -3.368 ± 0.476 $\chi^2/\text{NDF}: 59.9/16$

Left Out: 1.160 ± 0.500 $\chi^2/\text{NDF}: 4.3/4$

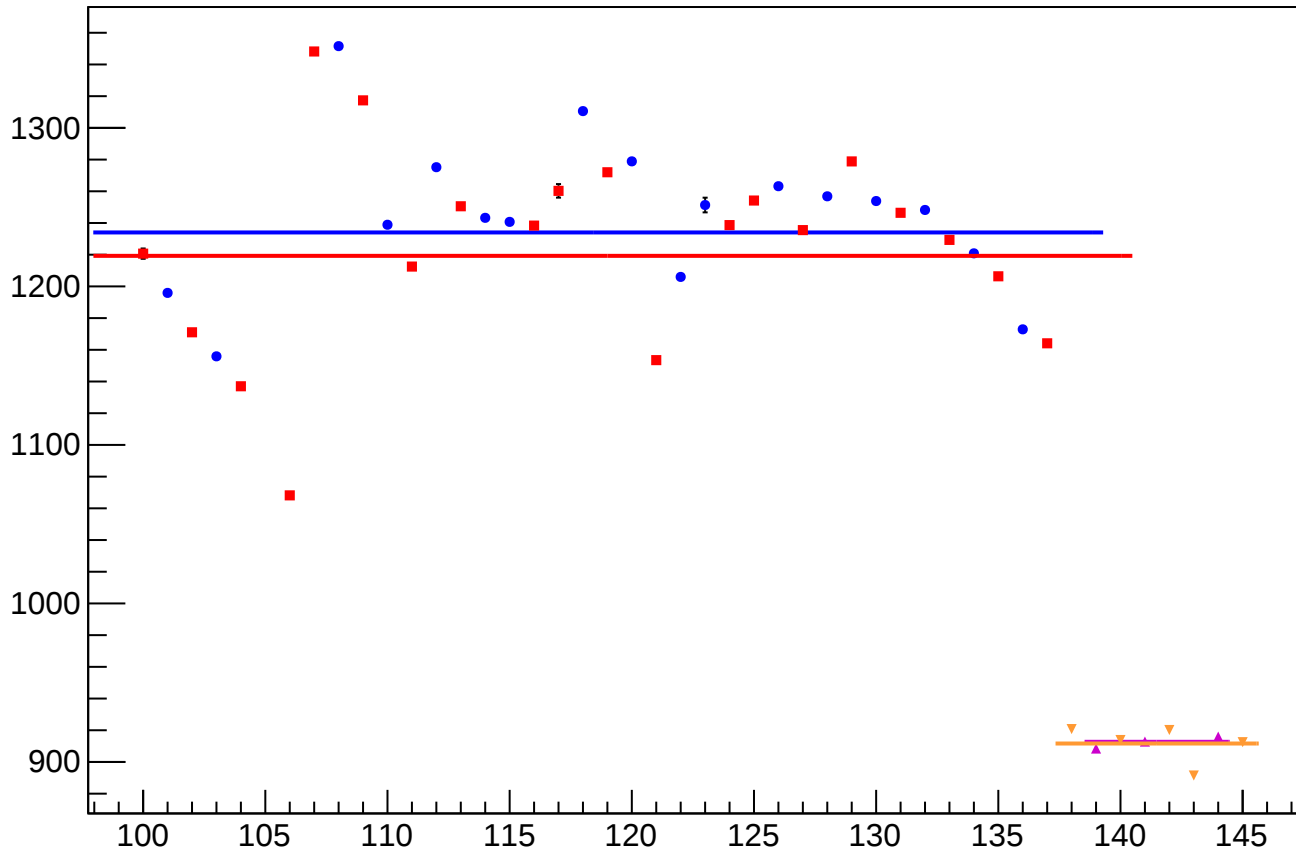
Right Out: 2.871 ± 0.455 $\chi^2/\text{NDF}: 32.0/19$

Left In: 5.437 ± 0.591 $\chi^2/\text{NDF}: 0.9/2$

-1.218 ± 0.345 $\chi^2/\text{NDF}: 107.2/21$

3.826 ± 0.361 $\chi^2/\text{NDF}: 44.8/22$

diff_bpm0l06Y_rms vs Slug



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

Left Out: 911.634+/-0.354 χ^2/NDF : 837.5/4

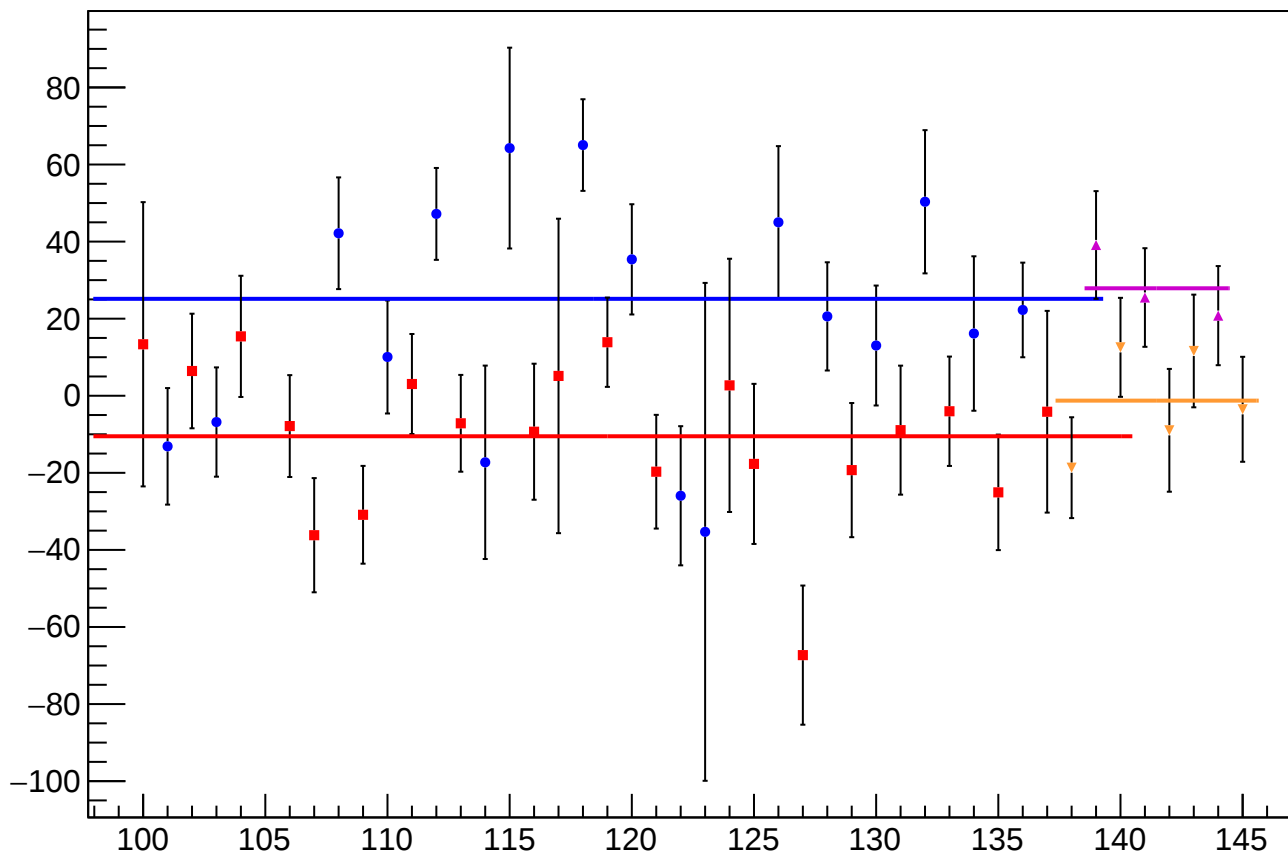
Right Out: 1219.275+/-0.322 χ^2/NDF : 40462.8/19

Left In: 912.712+/-0.418 χ^2/NDF : 51.8/2

1080.941+/-0.244 χ^2/NDF : 460946.1/21

1105.201+/-0.255 χ^2/NDF : 378194.2/22

diff_bpm0l07X_mean vs Slug



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

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

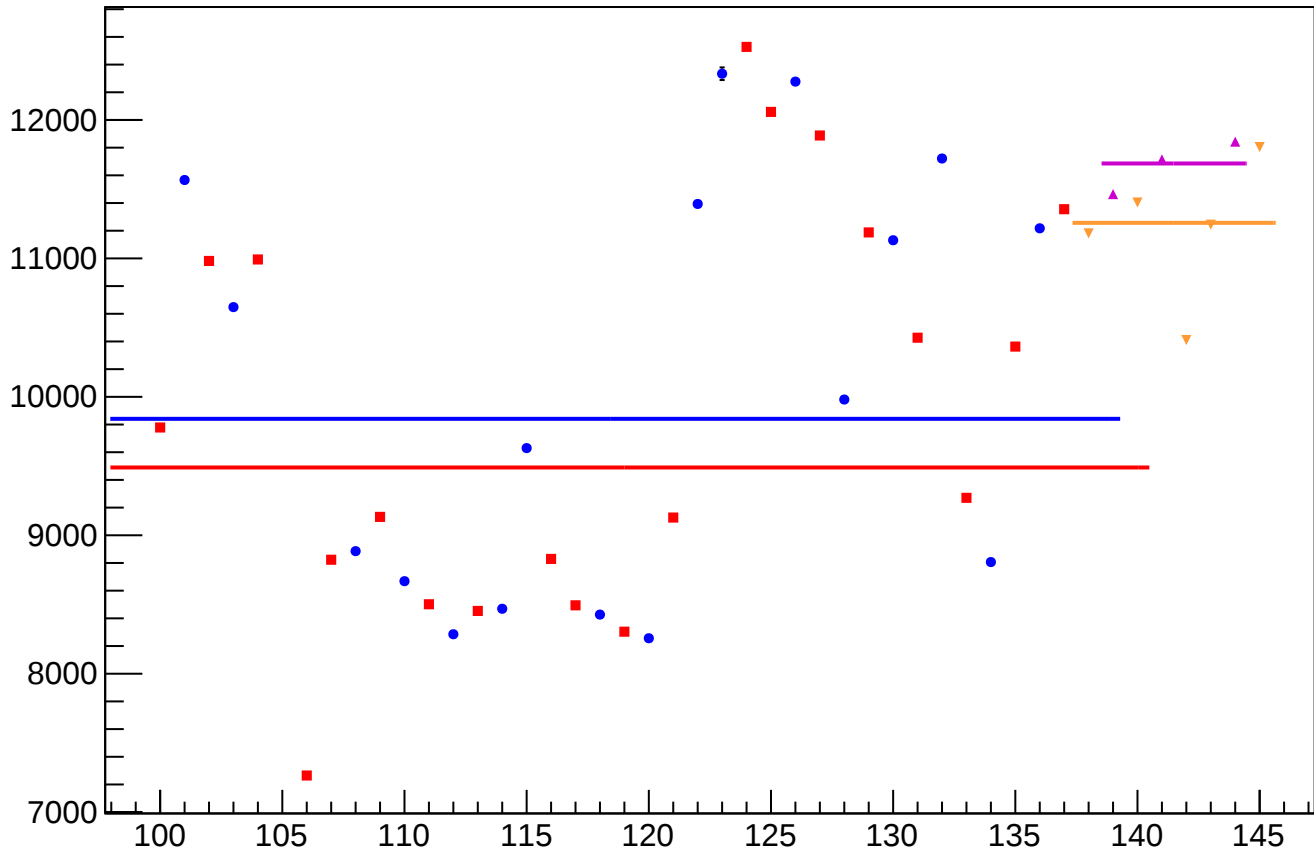
Right Out: -10.513+/-3.581 χ^2/NDF : 27.8/19

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

17.853+/-3.265 χ^2/NDF : 64.0/21

-3.550+/-3.240 χ^2/NDF : 49.7/22

diff_bpm0l07X_rms vs Slug



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

Left Out: 11256.930+/-4.393 χ^2/NDF : 9206.6/4

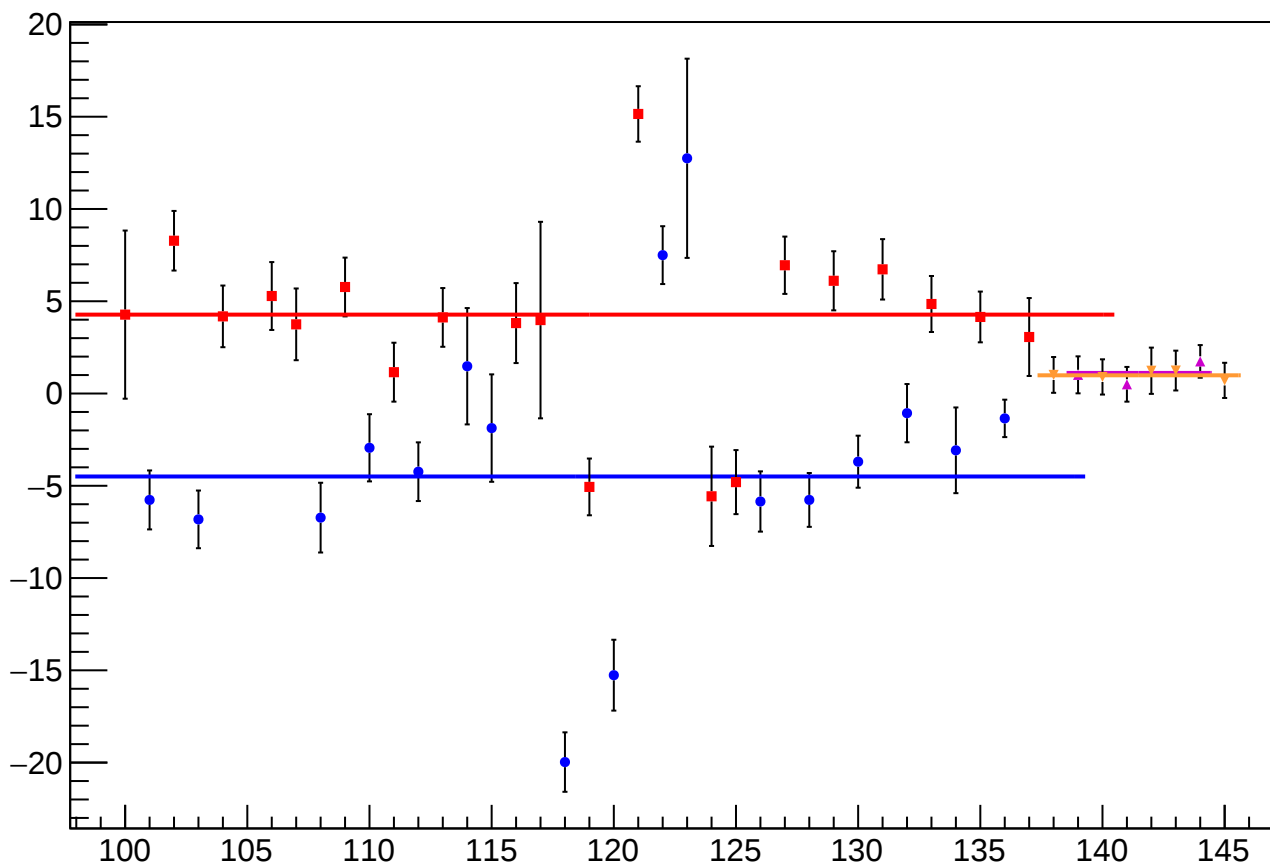
Right Out: 9489.753+/-2.532 χ^2/NDF : 277900.5/19

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

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

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

diff_bpm0l07Y_mean vs Slug



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

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

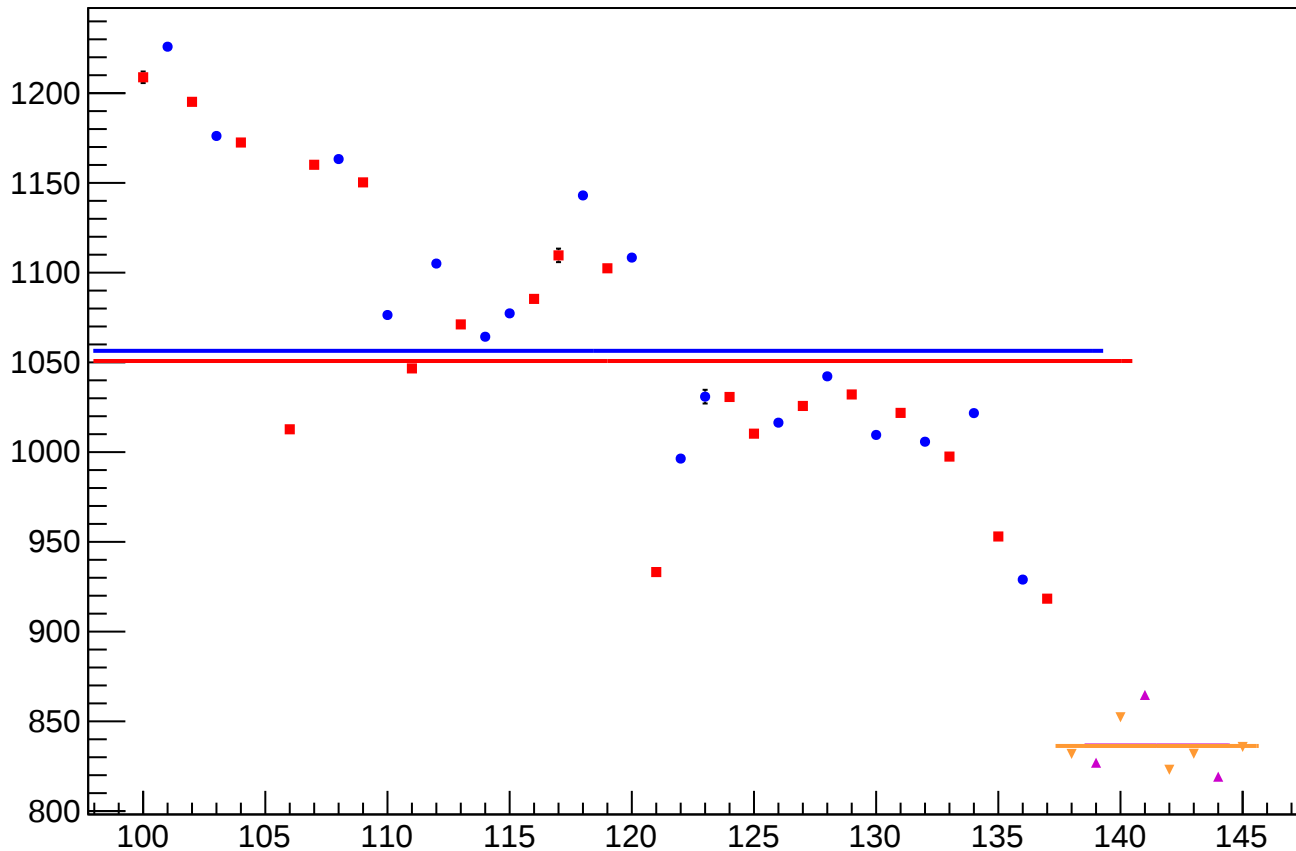
Right Out: 4.275 ± 0.393 χ^2/NDF : 148.2/19

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

-2.073 ± 0.305 χ^2/NDF : 298.4/21

3.187 ± 0.318 χ^2/NDF : 171.5/22

diff_bpm0l07Y_rms vs Slug



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

Left Out: 836.289 $\pm$ 0.324 χ^2 /NDF: 859.2/4

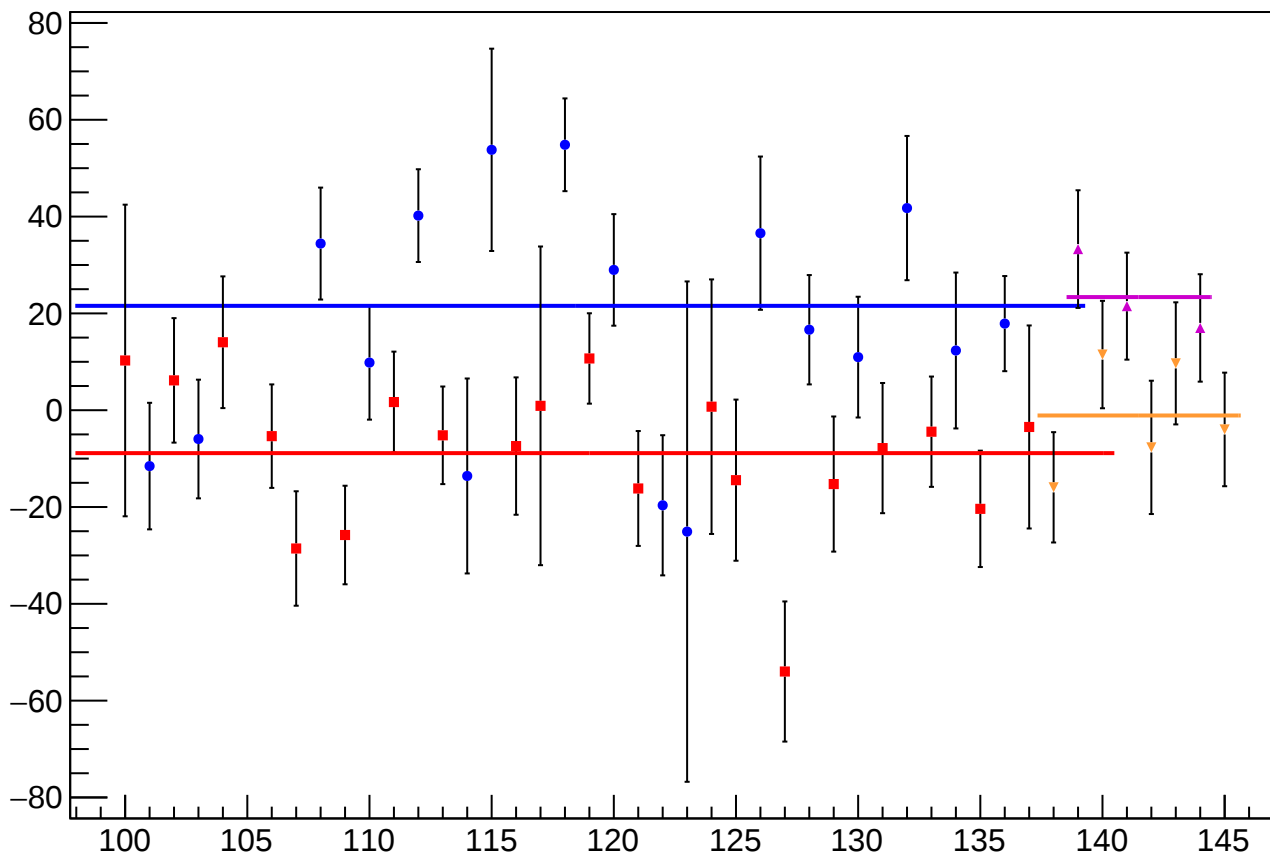
Right Out: 1050.765 $\pm$ 0.278 χ^2 /NDF: 82642.2/19

Left In: 836.561 $\pm$ 0.383 χ^2 /NDF: 2748.2/2

959.124 $\pm$ 0.216 χ^2 /NDF: 348810.0/21

976.997 $\pm$ 0.225 χ^2 /NDF: 290183.6/22

diff_bpm0l08X_mean vs Slug



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

Left Out: -1.091+/-5.372 χ^2/NDF : 4.0/4

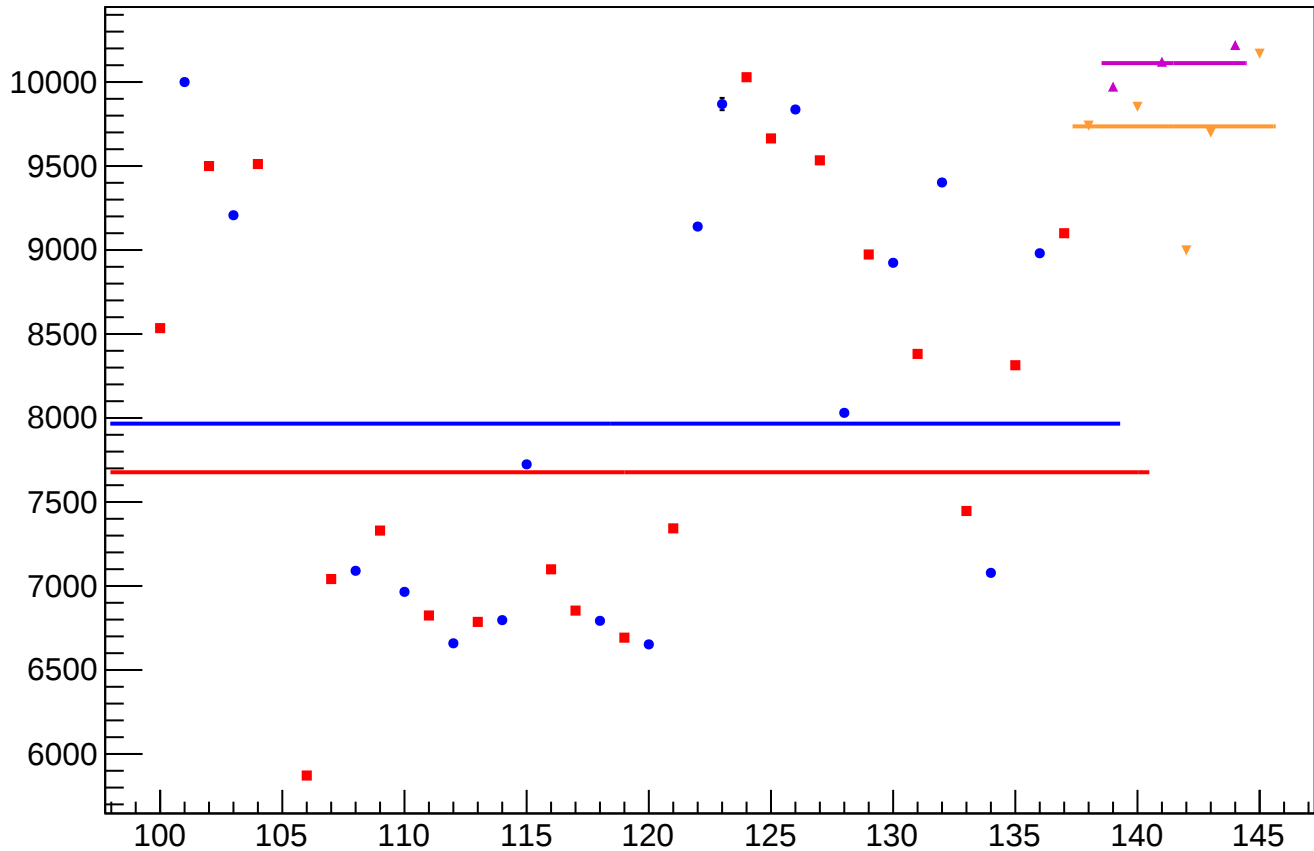
Right Out: -8.867+/-2.901 χ^2/NDF : 27.5/19

Left In: 23.372+/-6.583 χ^2/NDF : 1.0/2

15.875+/-2.692 χ^2/NDF : 65.7/21

-3.626+/-2.654 χ^2/NDF : 48.6/22

diff_bpm0l08X_rms vs Slug



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

Left Out: 9735.898+/-3.799 χ^2/NDF : 8706.4/4

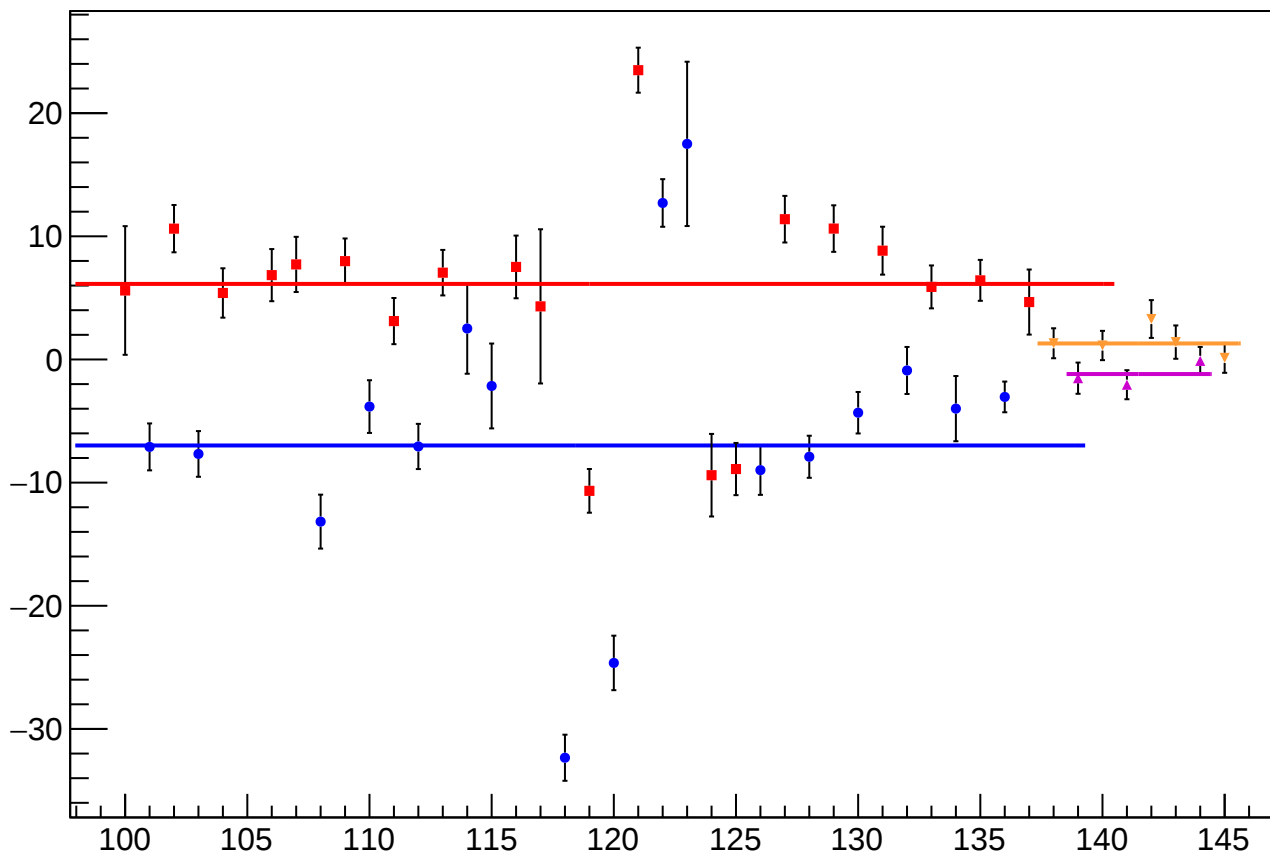
Right Out: 7677.035+/-2.051 χ^2/NDF : 316295.2/19

Left In: 10112.455+/-4.655 χ^2/NDF : 454.3/2

8410.629+/-1.903 χ^2/NDF : 467820.7/21

8072.946+/-1.877 χ^2/NDF : 545965.0/22

diff_bpm0l08Y_mean vs Slug



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

Left Out: 1.300 $\pm$ 0.574 χ^2 /NDF: 2.6/4

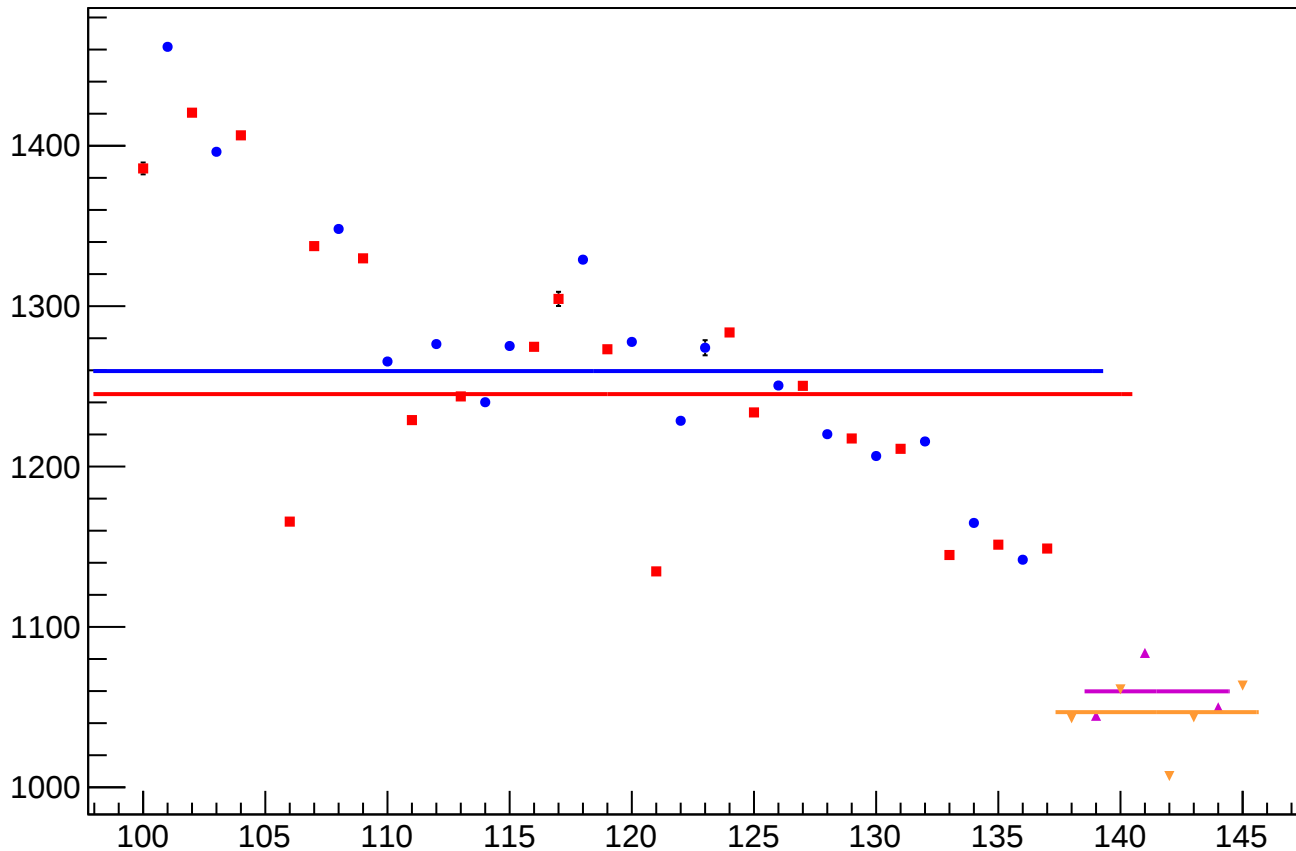
Right Out: 6.135 $\pm$ 0.465 χ^2 /NDF: 277.6/19

Left In: -1.183 $\pm$ 0.687 χ^2 /NDF: 1.5/2

-3.526 $\pm$ 0.371 χ^2 /NDF: 532.3/21

3.833 $\pm$ 0.385 χ^2 /NDF: 356.9/22

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1046.866+/-0.406 χ^2/NDF : 2037.3/4

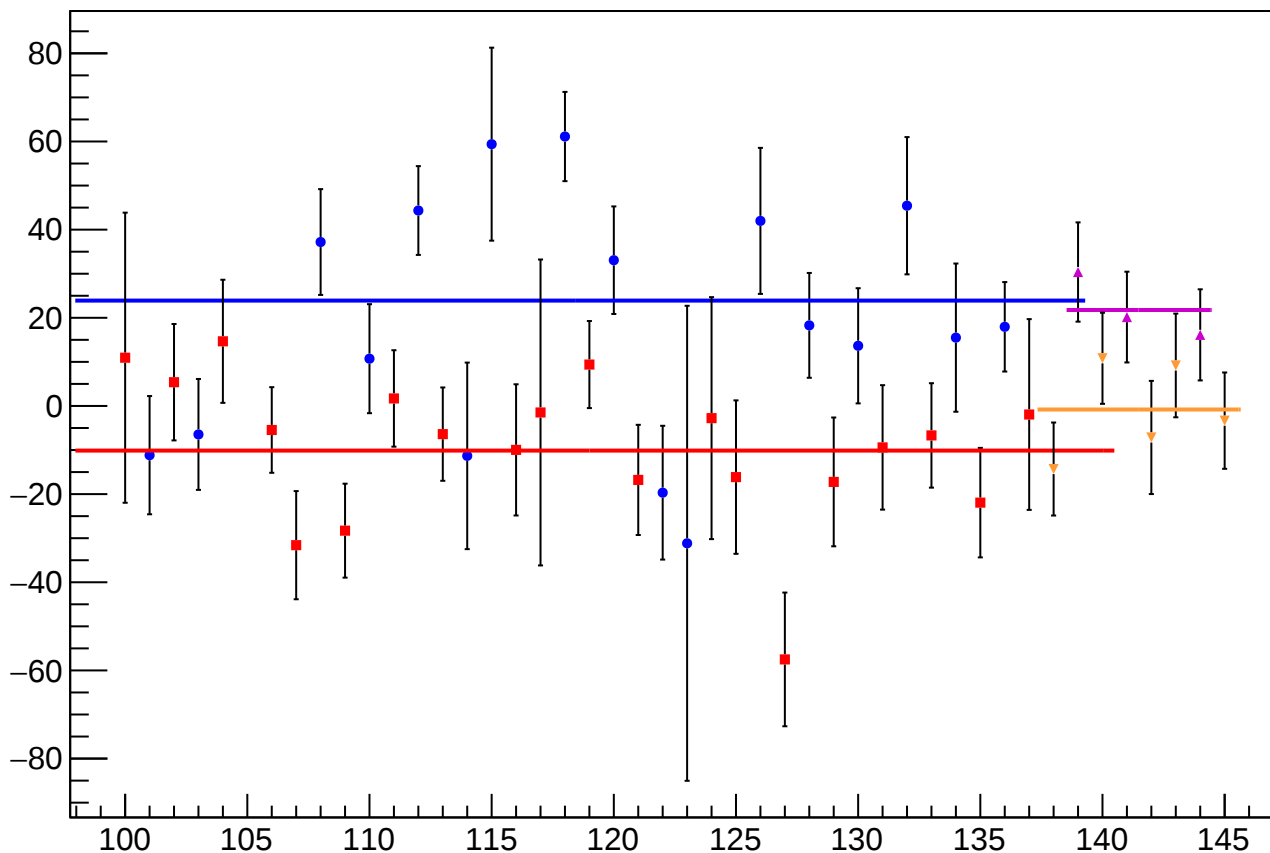
Right Out: 1245.167+/-0.329 χ^2/NDF : 67006.8/19

Left In: 1059.831+/-0.486 χ^2/NDF : 1267.2/2

1170.750+/-0.262 χ^2/NDF : 226635.6/21

1186.876+/-0.272 χ^2/NDF : 168045.4/22

diff_bpm0l09X_mean vs Slug



Right In: 23.904 ± 3.251 $\chi^2/\text{NDF}: 52.4/16$

Left Out: -0.804 ± 4.999 $\chi^2/\text{NDF}: 3.9/4$

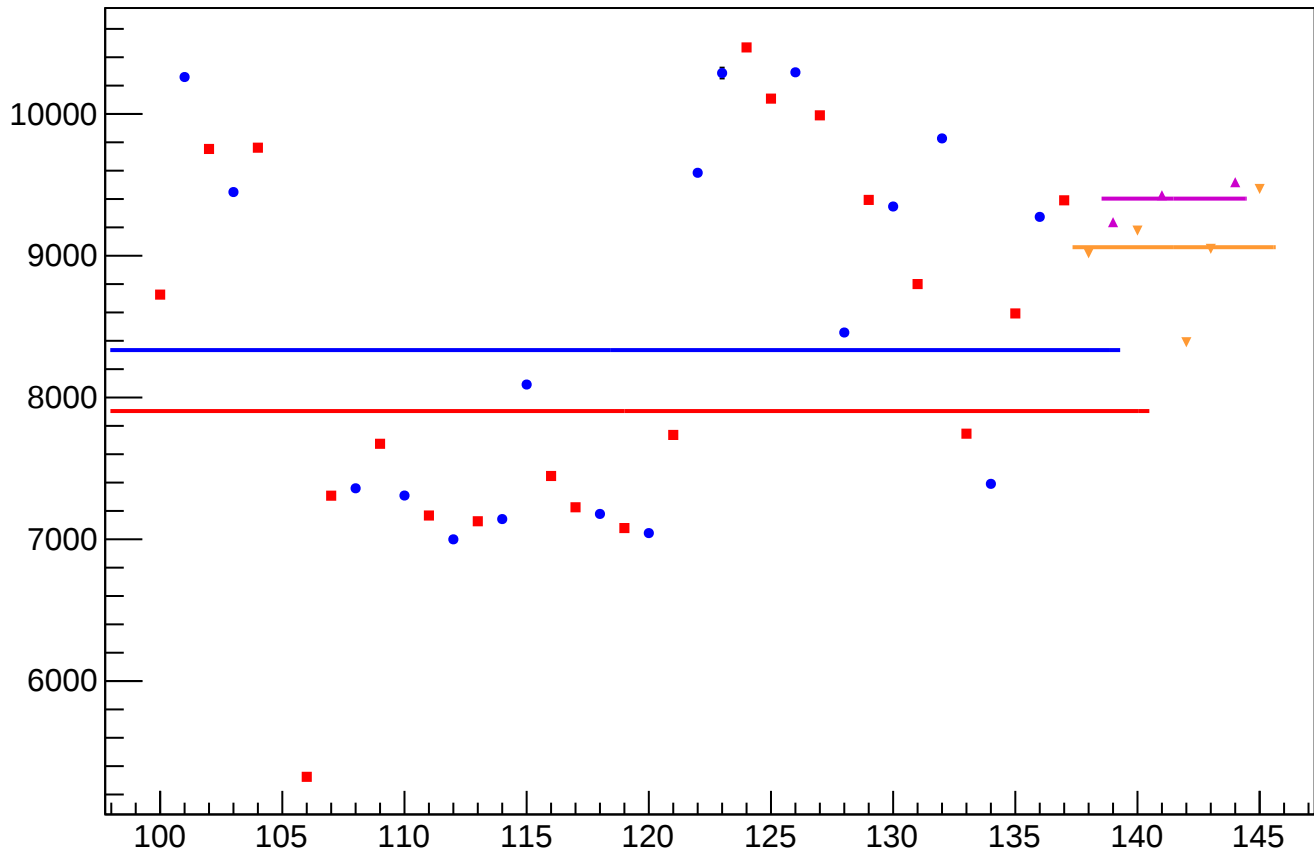
Right Out: -10.125 ± 2.994 $\chi^2/\text{NDF}: 28.0/19$

Left In: 21.770 ± 6.121 $\chi^2/\text{NDF}: 0.9/2$

16.562 ± 2.725 $\chi^2/\text{NDF}: 73.5/21$

-3.966 ± 2.690 $\chi^2/\text{NDF}: 50.8/22$

diff_bpm0l09X_rms vs Slug



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

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

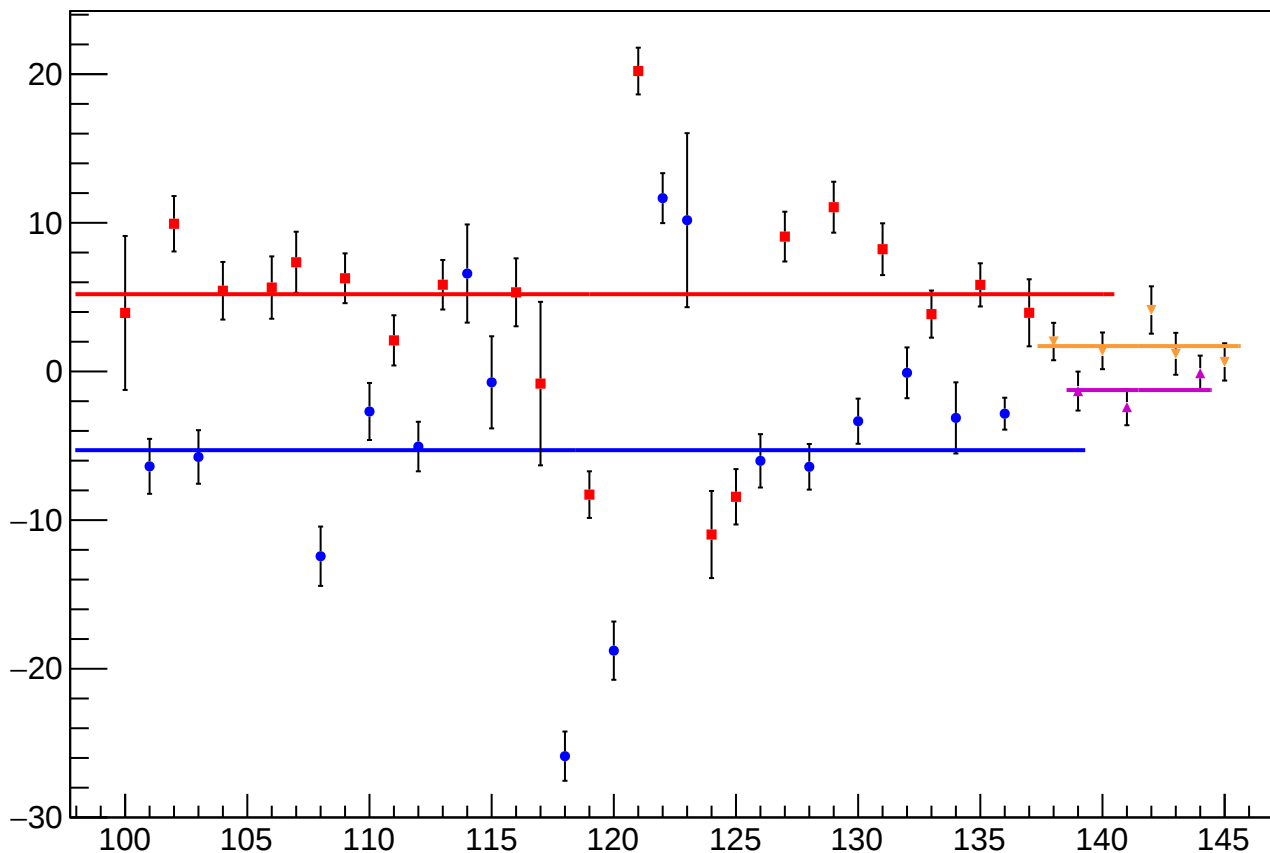
Right Out: 7904.529+/-2.117 χ^2/NDF : 391589.9/19

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

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

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

diff_bpm0l09Y_mean vs Slug



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

Left Out: 1.708 ± 0.596 χ^2/NDF : 3.3/4

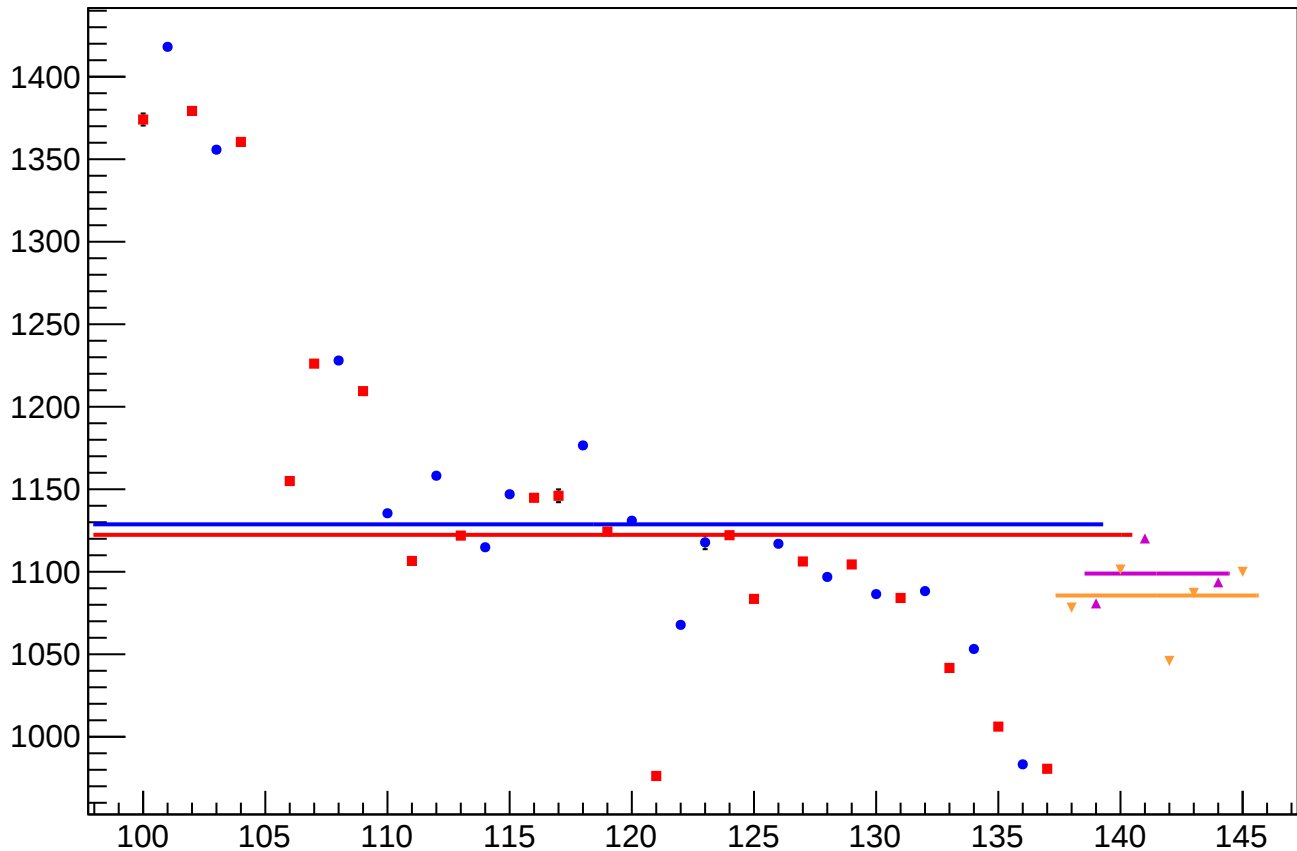
Right Out: 5.198 ± 0.420 χ^2/NDF : 283.1/19

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

-2.845 ± 0.352 χ^2/NDF : 451.3/21

3.532 ± 0.362 χ^2/NDF : 345.7/22

diff_bpm0l09Y_rms vs Slug



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

Left Out: 1085.624 ± 0.421 χ^2/NDF : 1893.0/4

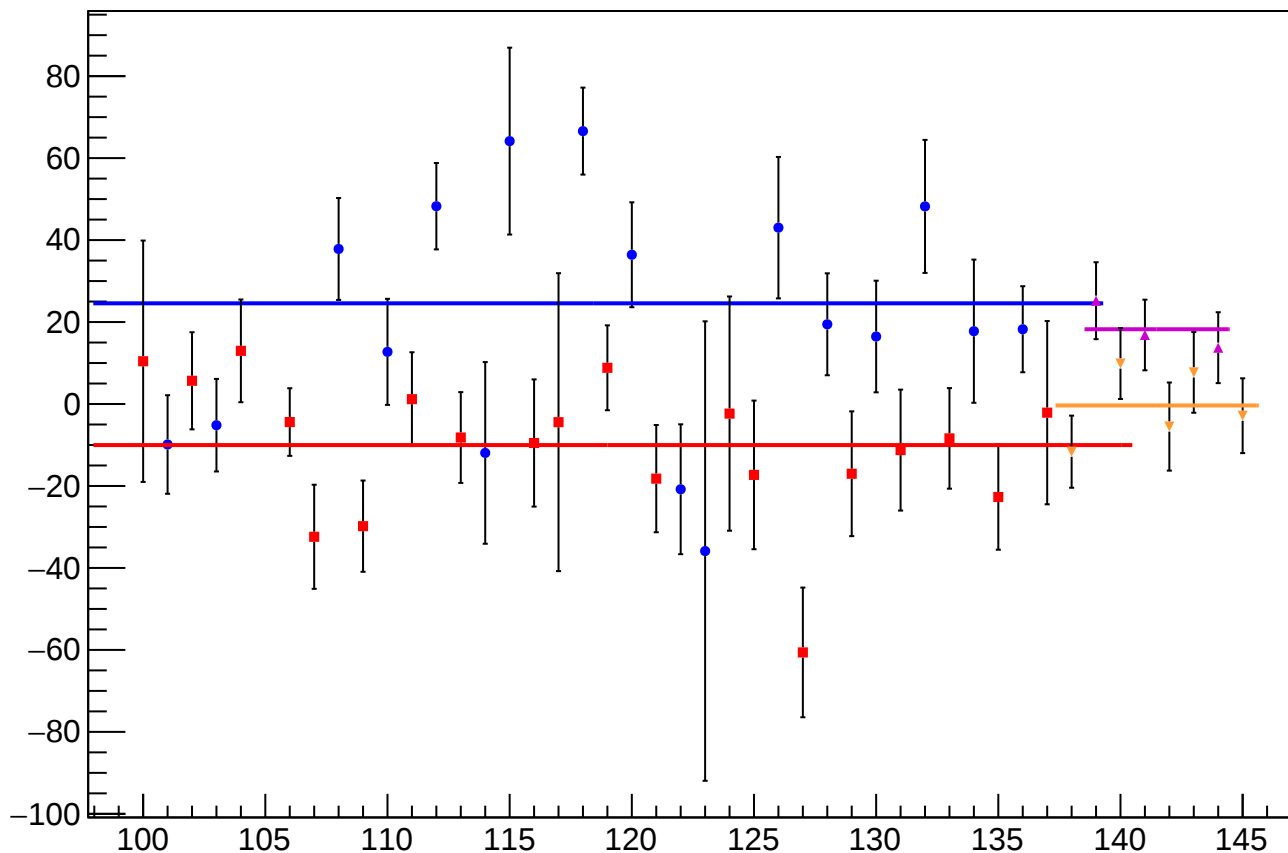
Right Out: 1122.377 ± 0.297 χ^2/NDF : 129638.9/19

Left In: 1098.916 ± 0.504 χ^2/NDF : 1028.7/2

1113.656 ± 0.249 χ^2/NDF : 141806.1/21

1116.315 ± 0.256 χ^2/NDF : 132276.8/22

diff_bpm0l10X_mean vs Slug



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

Left Out: -0.356 ± 4.178 χ^2/NDF : 4.0/4

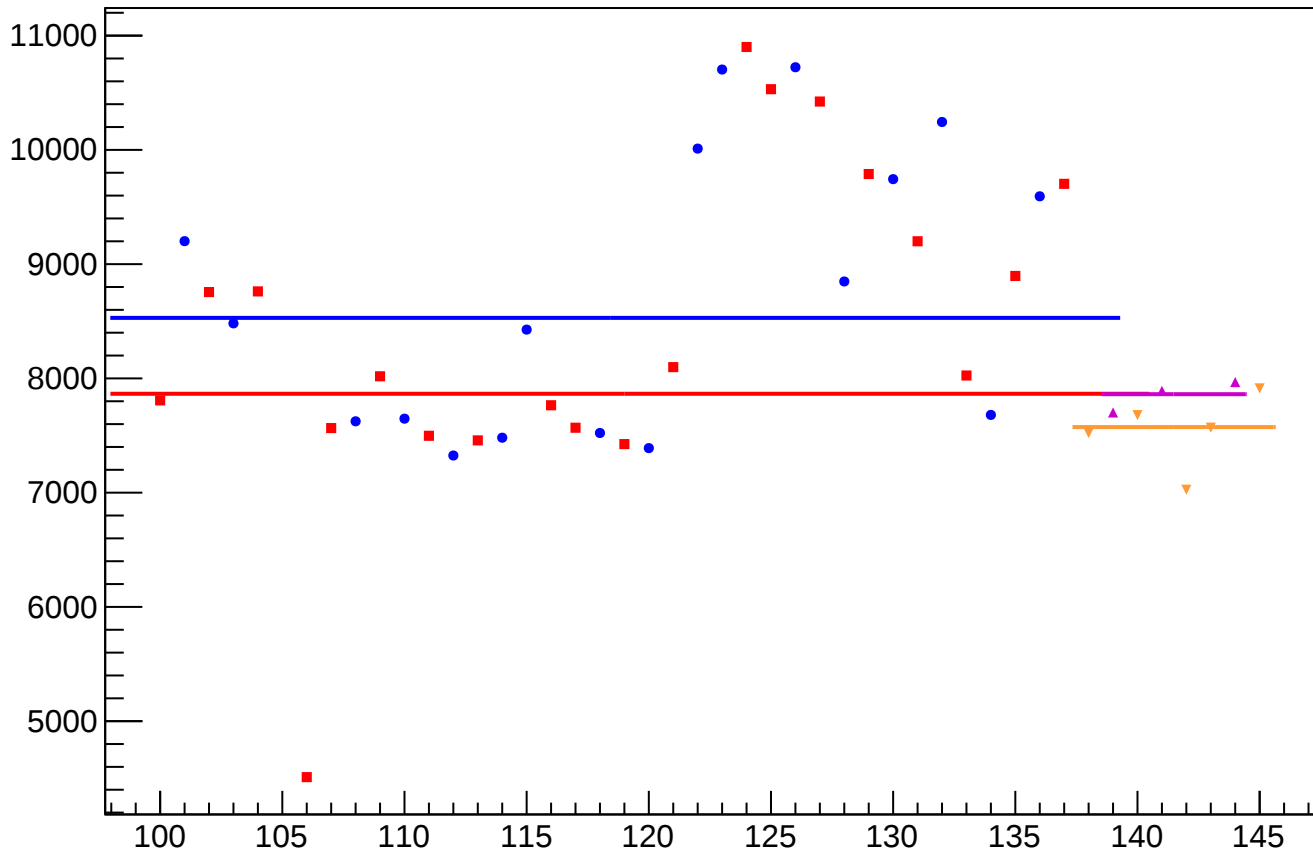
Right Out: -10.019 ± 2.997 χ^2/NDF : 28.8/19

Left In: 18.244 ± 5.118 χ^2/NDF : 0.8/2

14.928 ± 2.599 χ^2/NDF : 83.9/21

-2.800 ± 2.586 χ^2/NDF : 52.4/22

diff_bpm0l10X_rms vs Slug



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

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

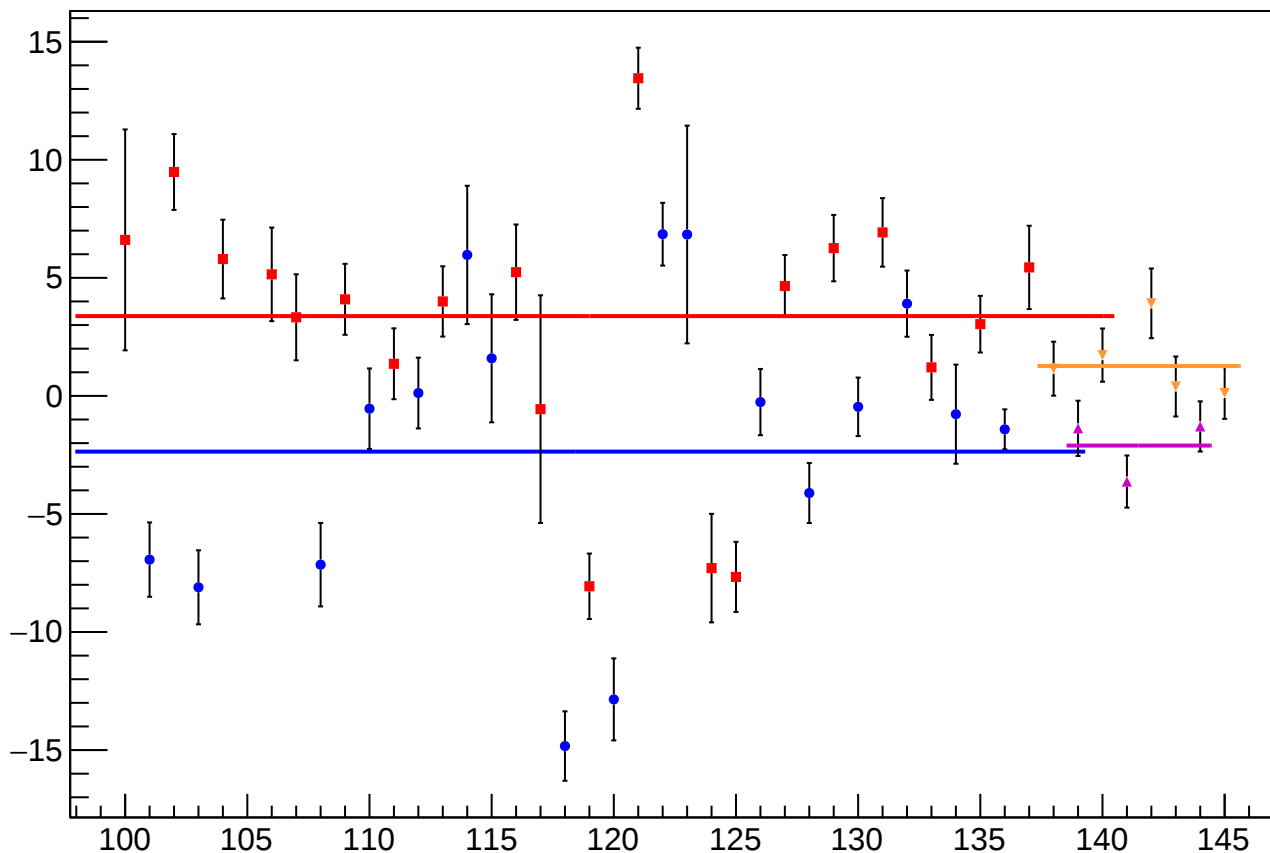
Right Out: 7865.549+/-2.119 χ^2/NDF : 555976.4/19

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

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

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

diff_bpm0l10Y_mean vs Slug



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

Left Out: 1.267 ± 0.537 χ^2/NDF : 5.0/4

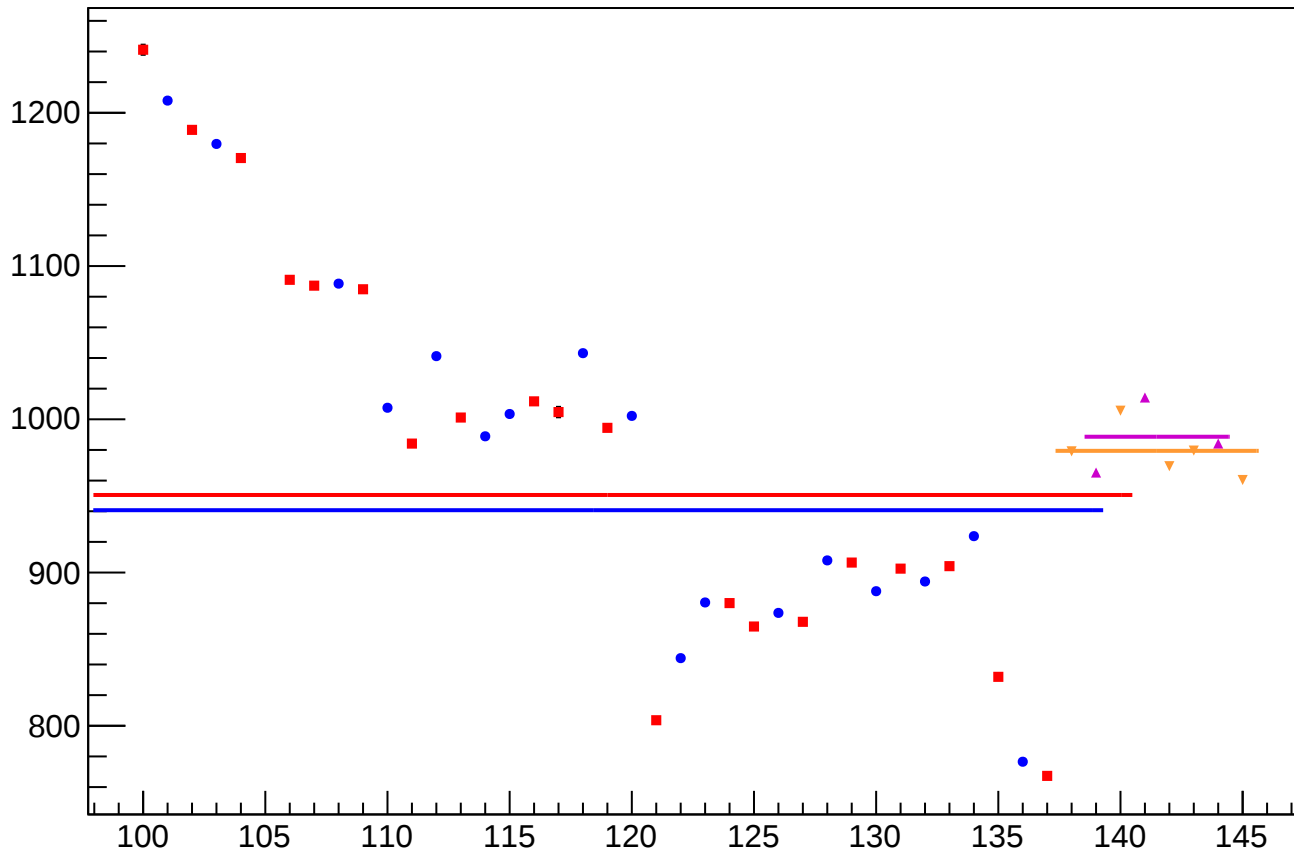
Right Out: 3.379 ± 0.357 χ^2/NDF : 242.1/19

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

-1.212 ± 0.302 χ^2/NDF : 268.1/21

2.079 ± 0.312 χ^2/NDF : 300.9/22

diff_bpm0l10Y_rms vs Slug



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

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

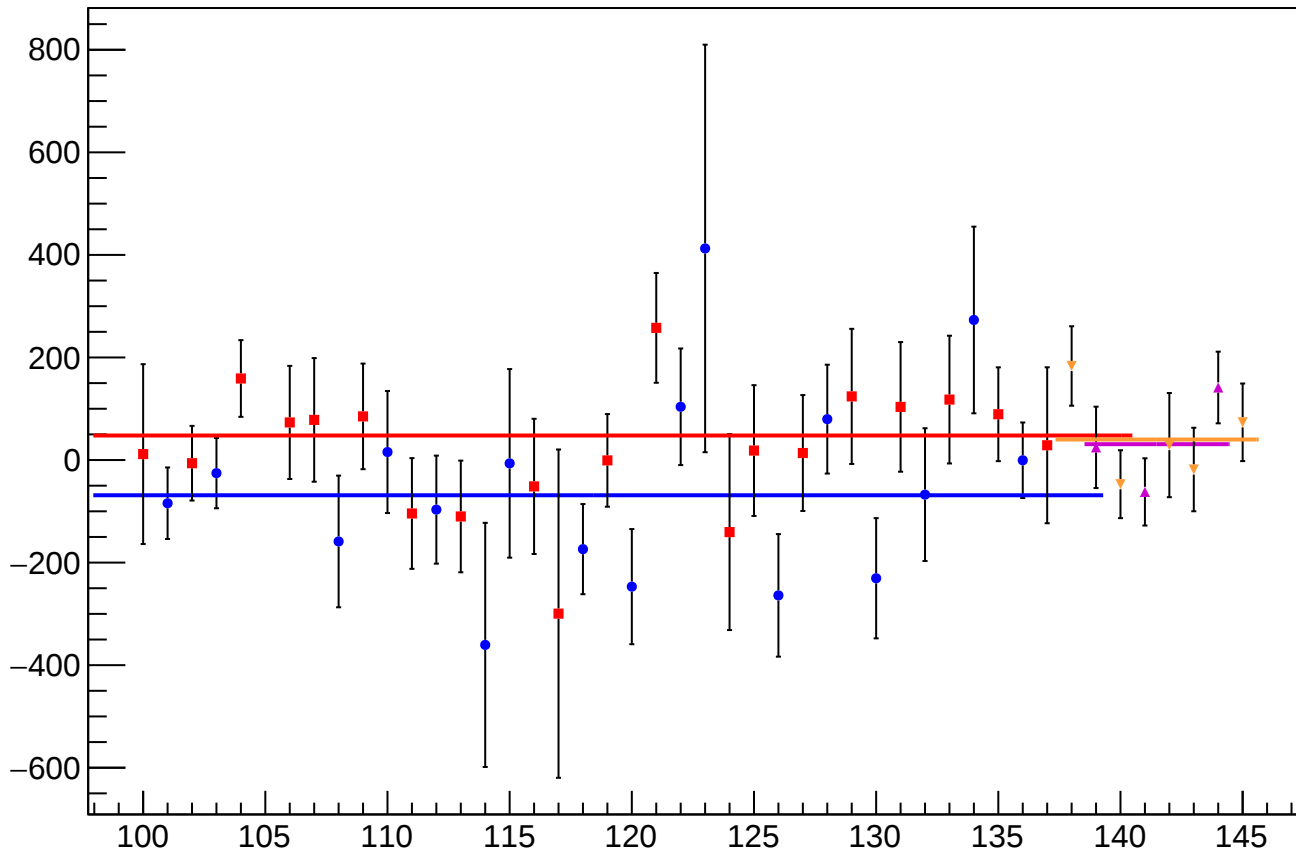
Right Out: 950.615 $\pm$ 0.253 χ^2 /NDF: 220931.3/19

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

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

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

diff_bpm0r03X_mean vs Slug



Right In: -68.688 ± 25.946 χ^2/NDF : 21.8/16

Left Out: 40.020 ± 34.978 χ^2/NDF : 5.9/4

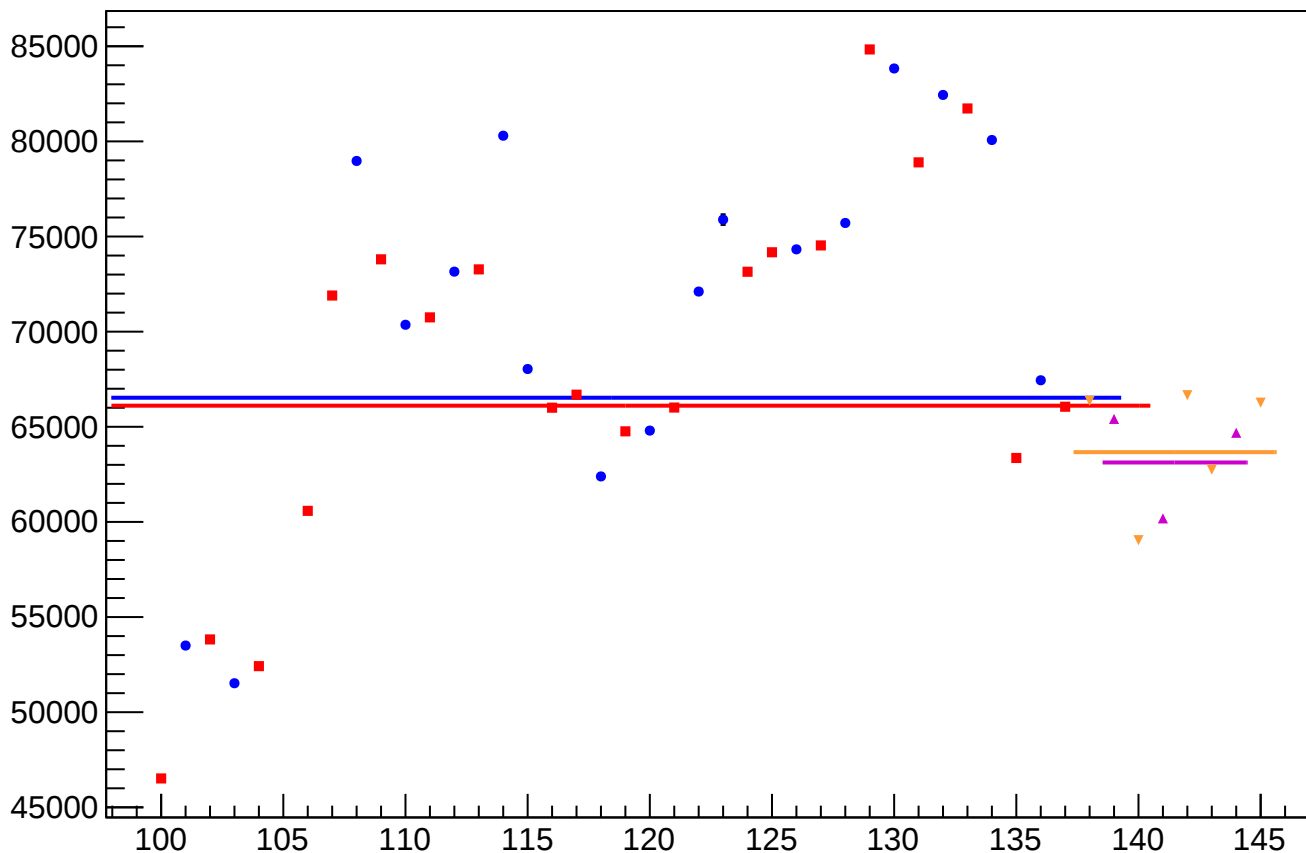
Right Out: 47.835 ± 24.944 χ^2/NDF : 15.2/19

Left In: 30.919 ± 40.953 χ^2/NDF : 4.5/2

-30.104 ± 20.839 χ^2/NDF : 33.9/21

43.258 ± 21.303 χ^2/NDF : 19.8/22

diff_bpm0r03X_rms vs Slug



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

Left Out: 63667.091+/-24.733 χ^2/NDF : 16546.0/4

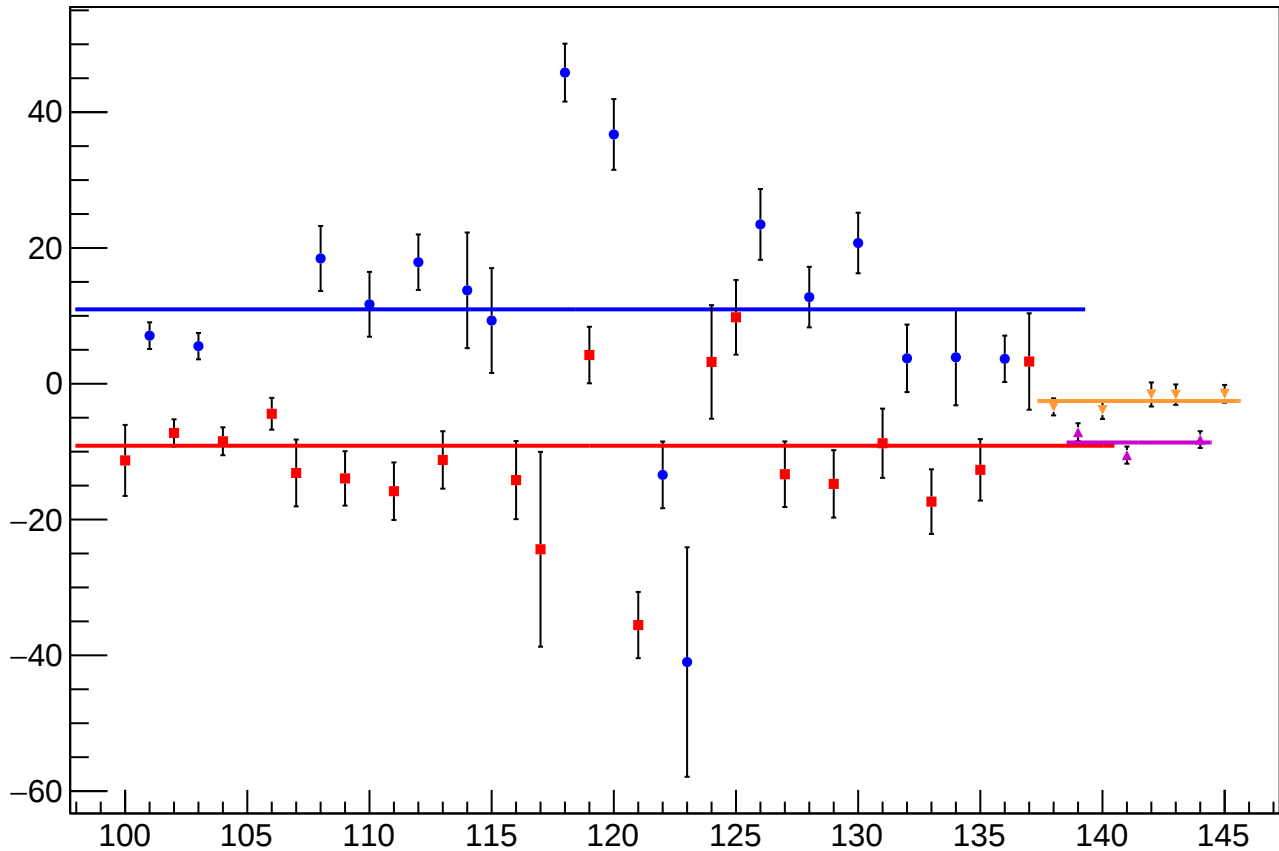
Right Out: 66109.383+/-17.638 χ^2/NDF : 298491.9/19

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

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

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

diff_bpm0r03Y_mean vs Slug



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

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

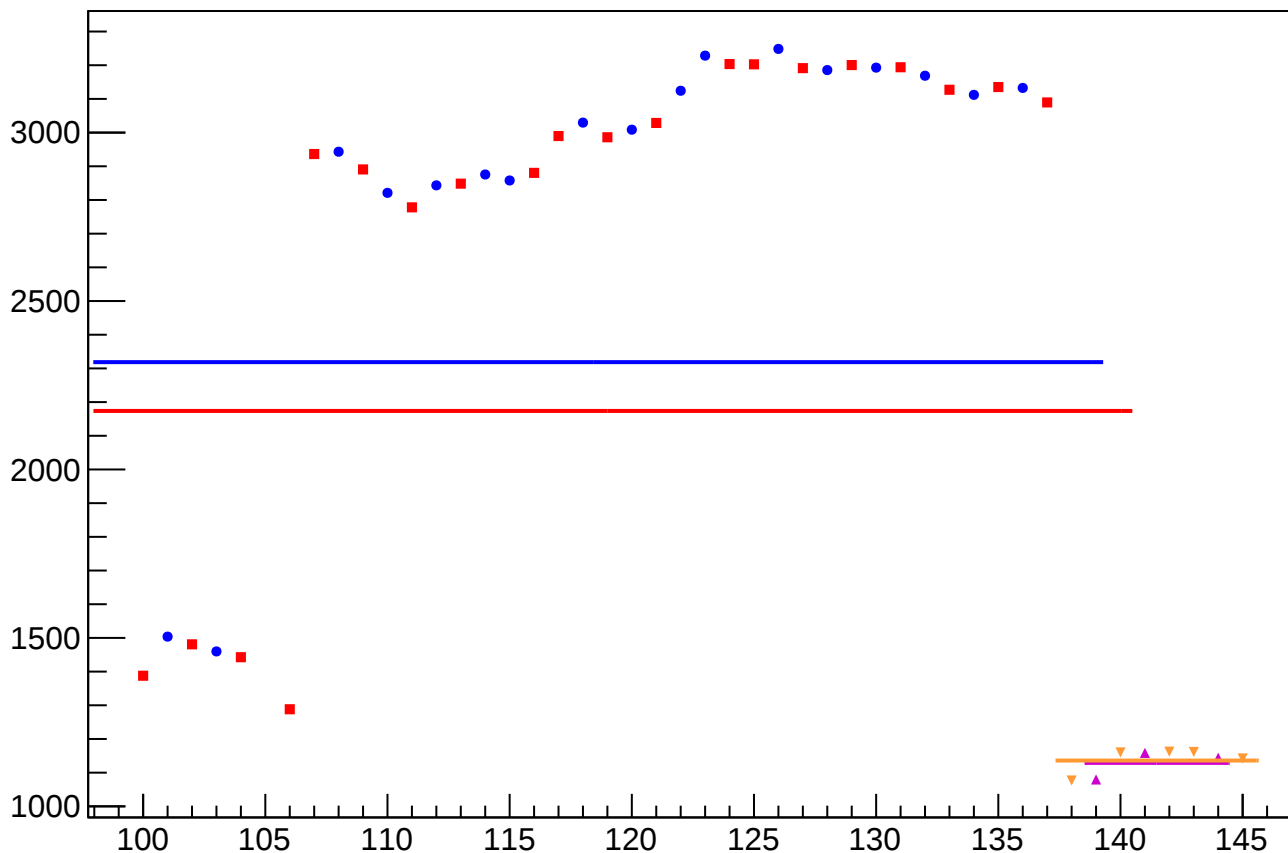
Right Out: -9.127 $\pm$ 0.865 χ^2 /NDF: 74.2/19

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

1.566 $\pm$ 0.520 χ^2 /NDF: 306.3/21

-8.849 $\pm$ 0.559 χ^2 /NDF: 78.1/22

diff_bpm0r03Y_rms vs Slug



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

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

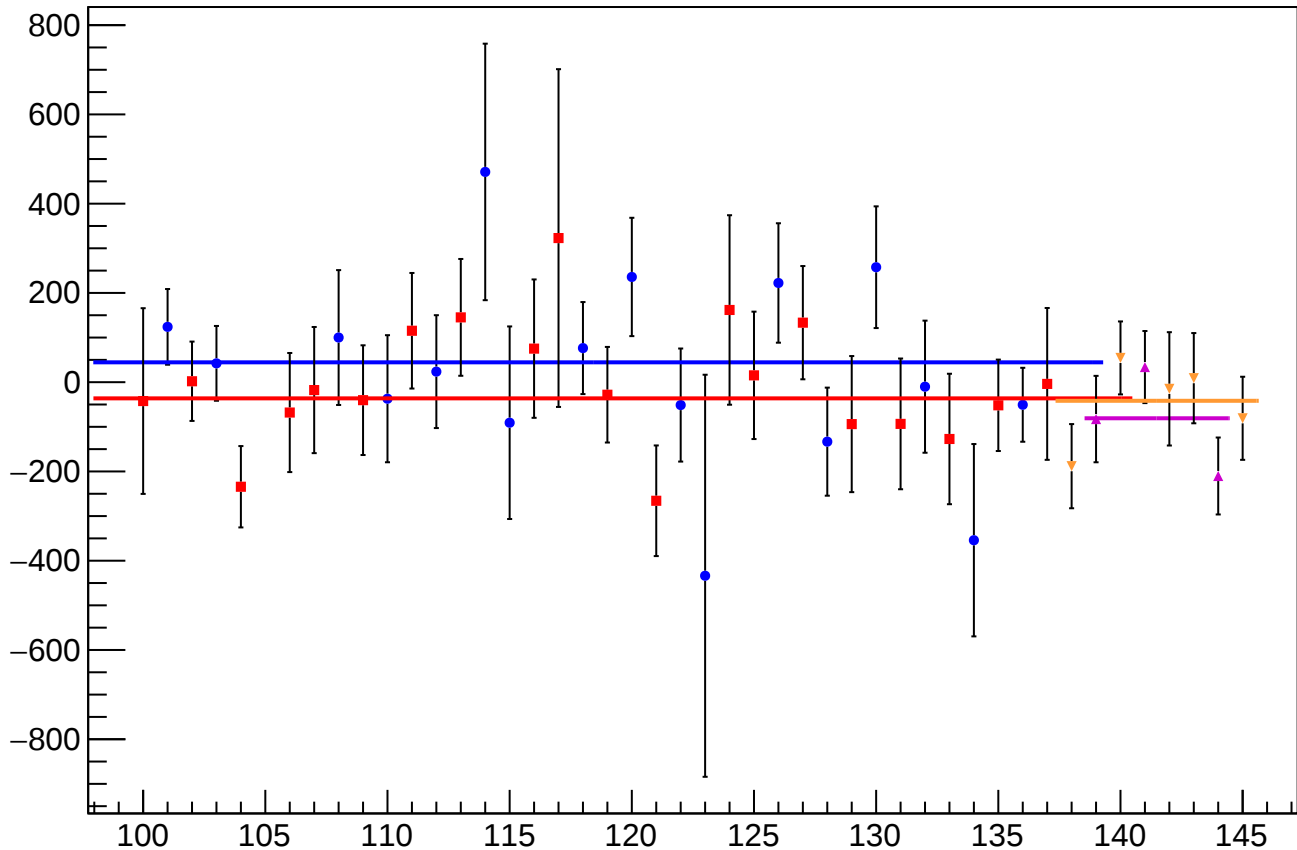
Right Out: 2173.762 $\pm$ 0.611 χ^2 /NDF: 1760181.2/19

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

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

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

diff_bpm0r05X_mean vs Slug



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

Left Out: -41.691 $\pm$ 43.137 χ^2 /NDF: 4.3/4

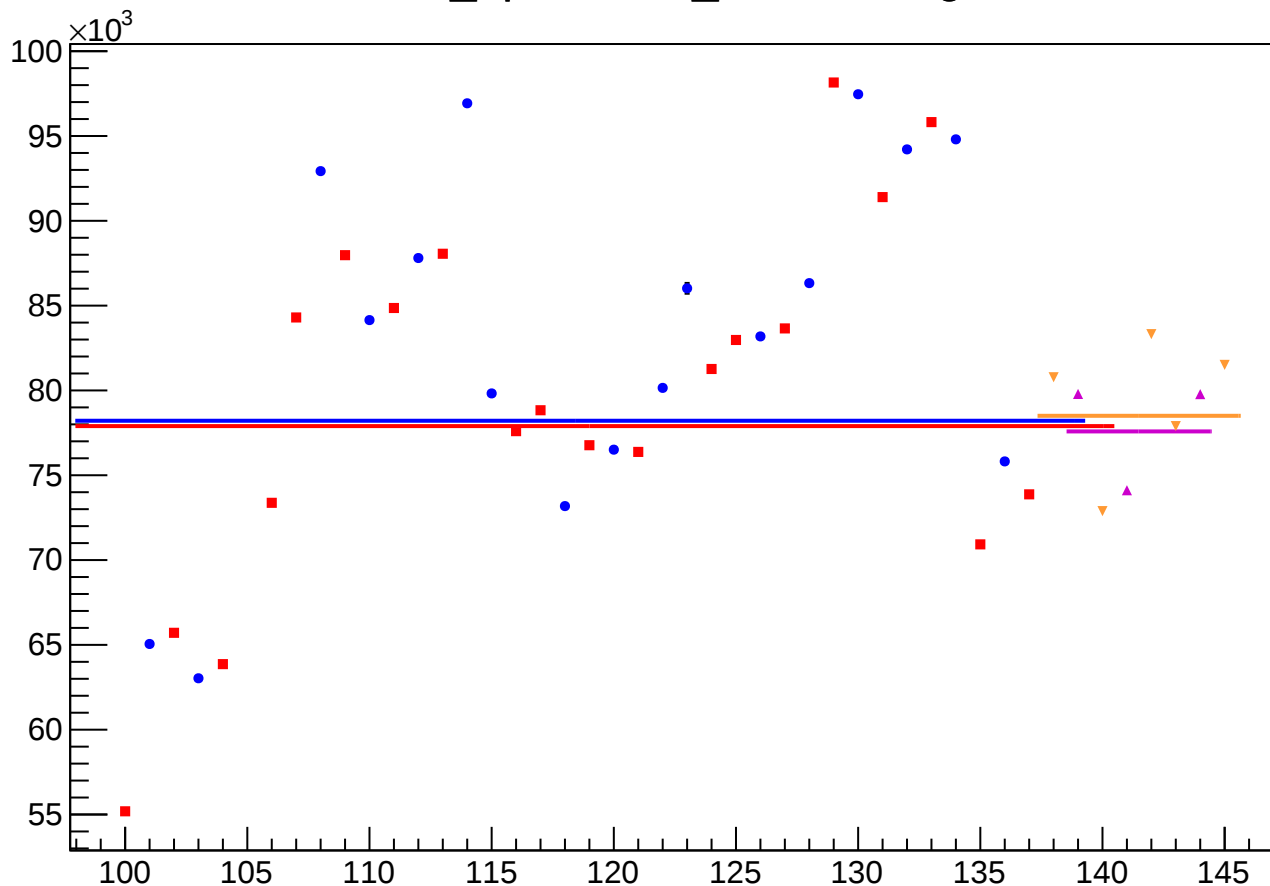
Right Out: -36.251 $\pm$ 29.346 χ^2 /NDF: 16.7/19

Left In: -80.858 $\pm$ 50.342 χ^2 /NDF: 4.3/2

15.848 $\pm$ 24.867 χ^2 /NDF: 26.0/21

-47.565 $\pm$ 25.353 χ^2 /NDF: 21.5/22

diff_bpm0r05X_rms vs Slug



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

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

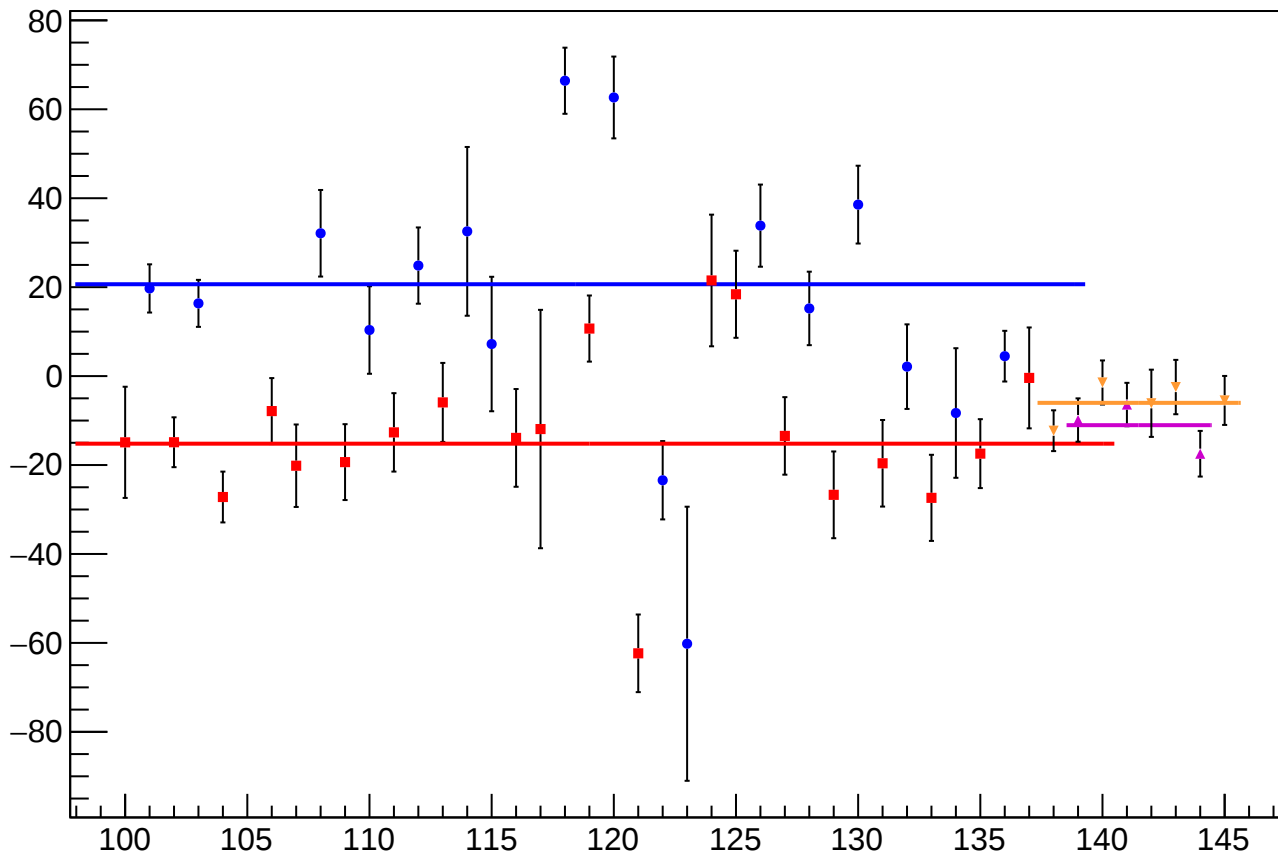
Right Out: 77897.594 $\pm$ 20.751 χ^2 /NDF: 246982.5/19

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

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

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

diff_bpm0r05Y_mean vs Slug



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

Left Out: -6.017 ± 2.459 $\chi^2/\text{NDF}: 3.1/4$

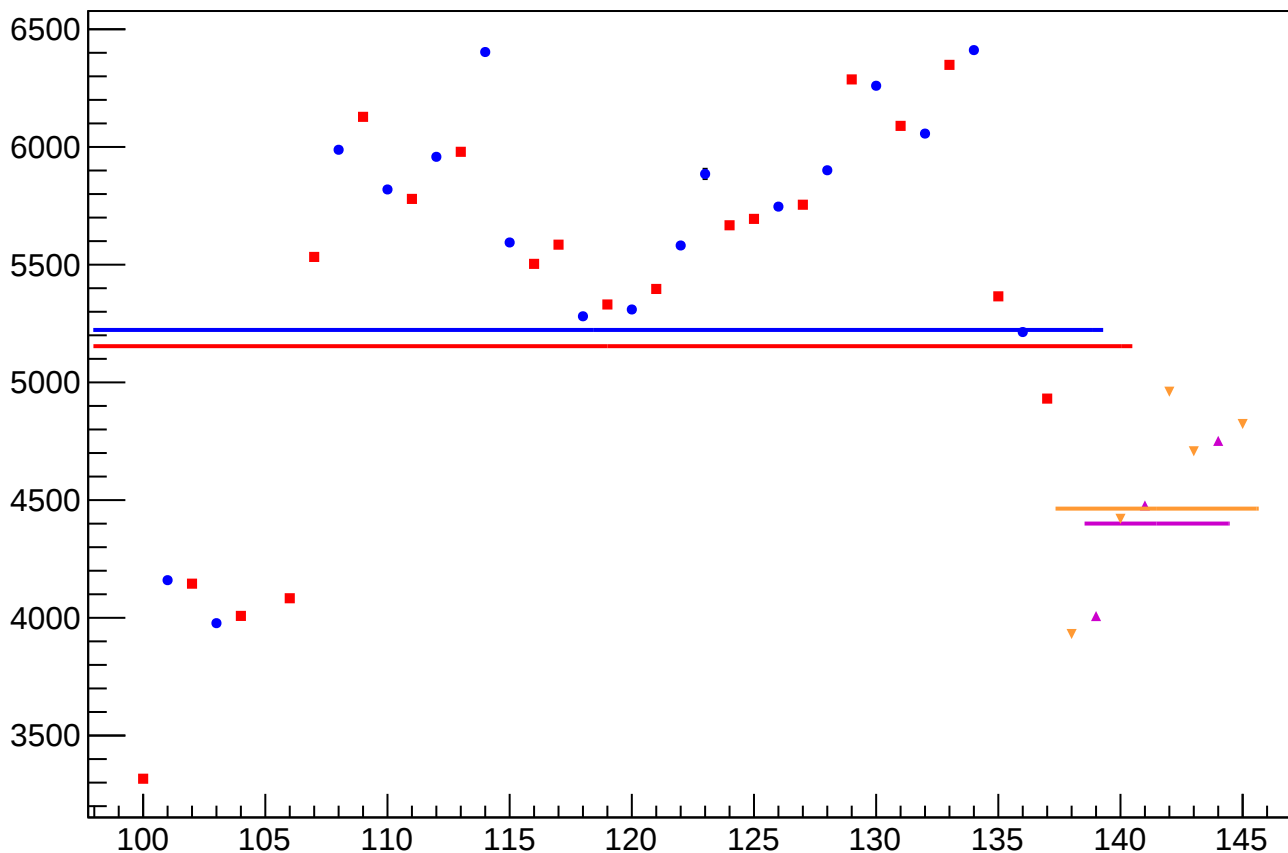
Right Out: -15.198 ± 1.950 $\chi^2/\text{NDF}: 71.3/19$

Left In: -11.037 ± 2.862 $\chi^2/\text{NDF}: 2.5/2$

9.807 ± 1.568 $\chi^2/\text{NDF}: 190.6/21$

-13.879 ± 1.611 $\chi^2/\text{NDF}: 75.3/22$

diff_bpm0r05Y_rms vs Slug



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

Left Out: 4463.835+/-1.739 χ^2/NDF : 47430.6/4

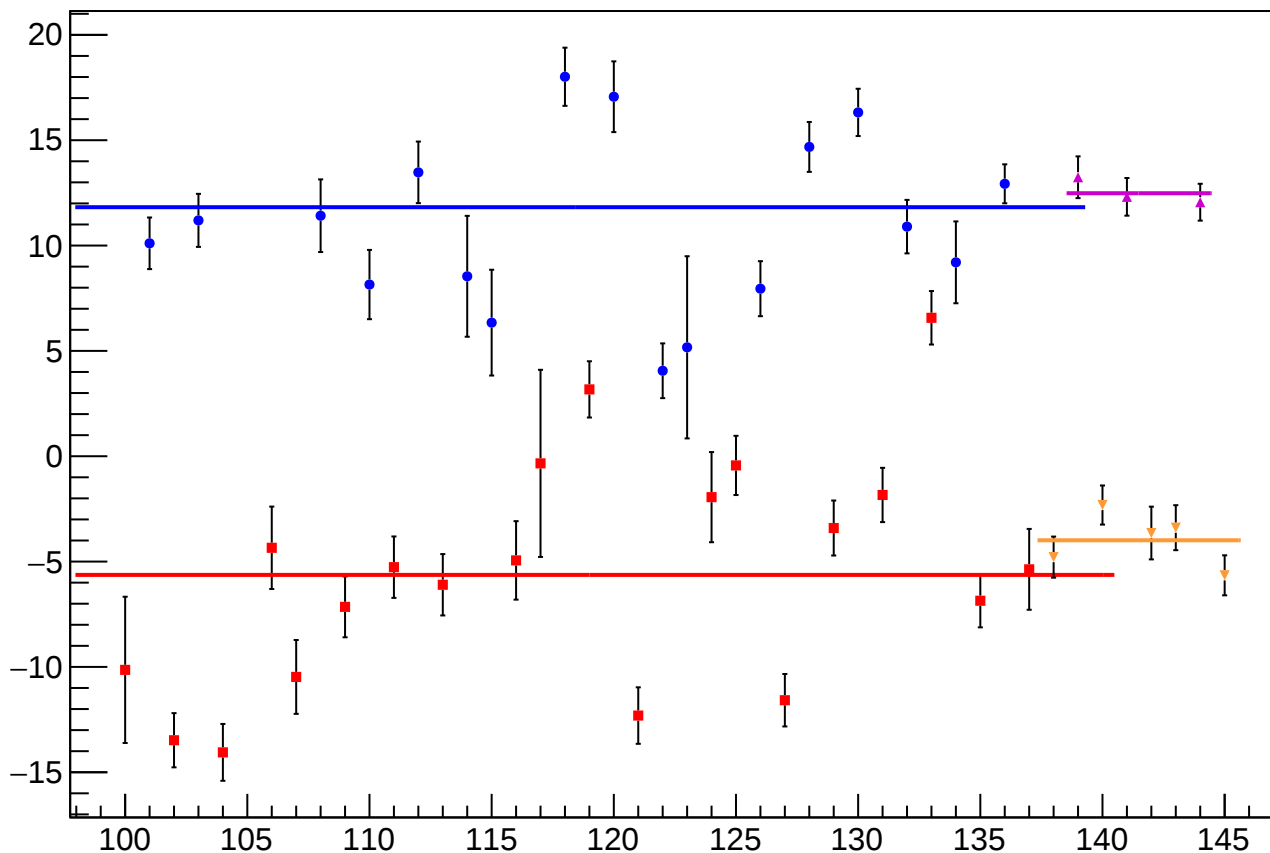
Right Out: 5153.826+/-1.379 χ^2/NDF : 388205.9/19

Left In: 4400.382+/-2.023 χ^2/NDF : 22874.9/2

4914.064+/-1.109 χ^2/NDF : 472978.4/21

4914.988+/-1.139 χ^2/NDF : 505774.6/22

diff_bpm2i01X_mean vs Slug



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

Left Out: -3.989 ± 0.455 χ^2/NDF : 7.4/4

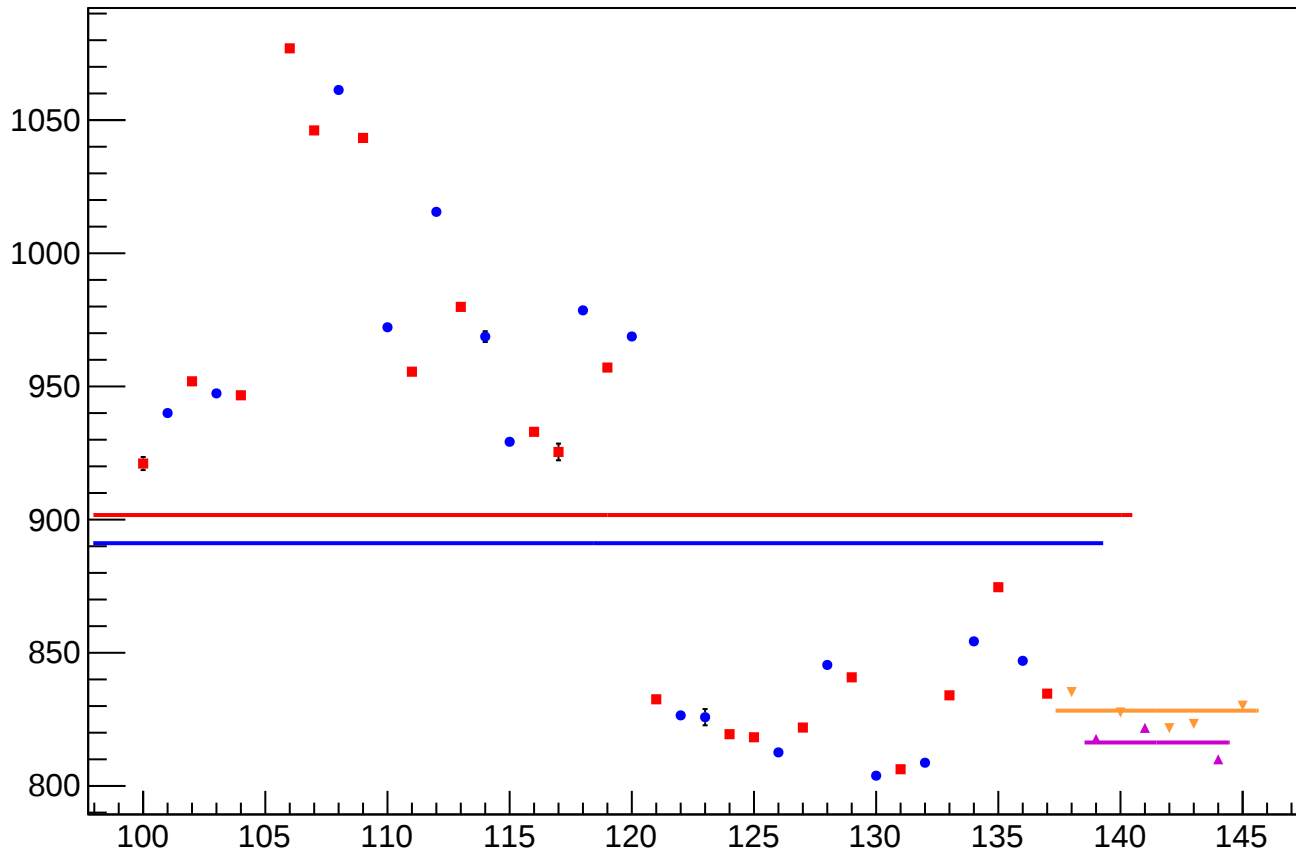
Right Out: -5.632 ± 0.337 χ^2/NDF : 301.6/19

Left In: 12.484 ± 0.529 χ^2/NDF : 0.9/2

6.053 ± 0.275 χ^2/NDF : 892.8/21

-0.387 ± 0.284 χ^2/NDF : 1136.6/22

diff_bpm2i01X_rms vs Slug



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

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

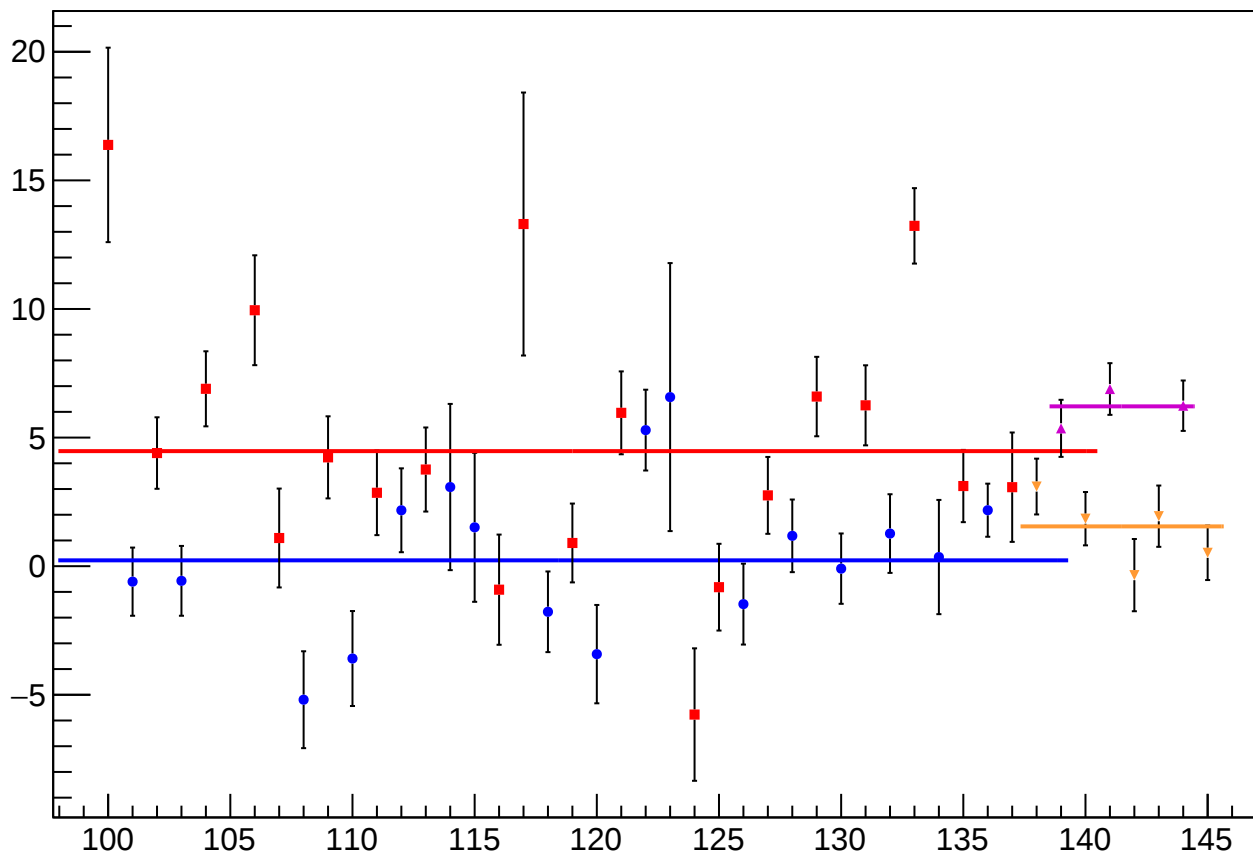
Right Out: 901.725+/-0.239 χ^2/NDF : 114648.1/19

Left In: 816.324+/-0.374 χ^2/NDF :183.0/2

868.212+/-0.194 χ^2/NDF : 126170.2/21

877.001+/-0.201 χ^2/NDF : 151908.5/22

diff_bpm2i01Y_mean vs Slug



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

Left Out: 1.547 ± 0.508 χ^2/NDF : 5.0/4

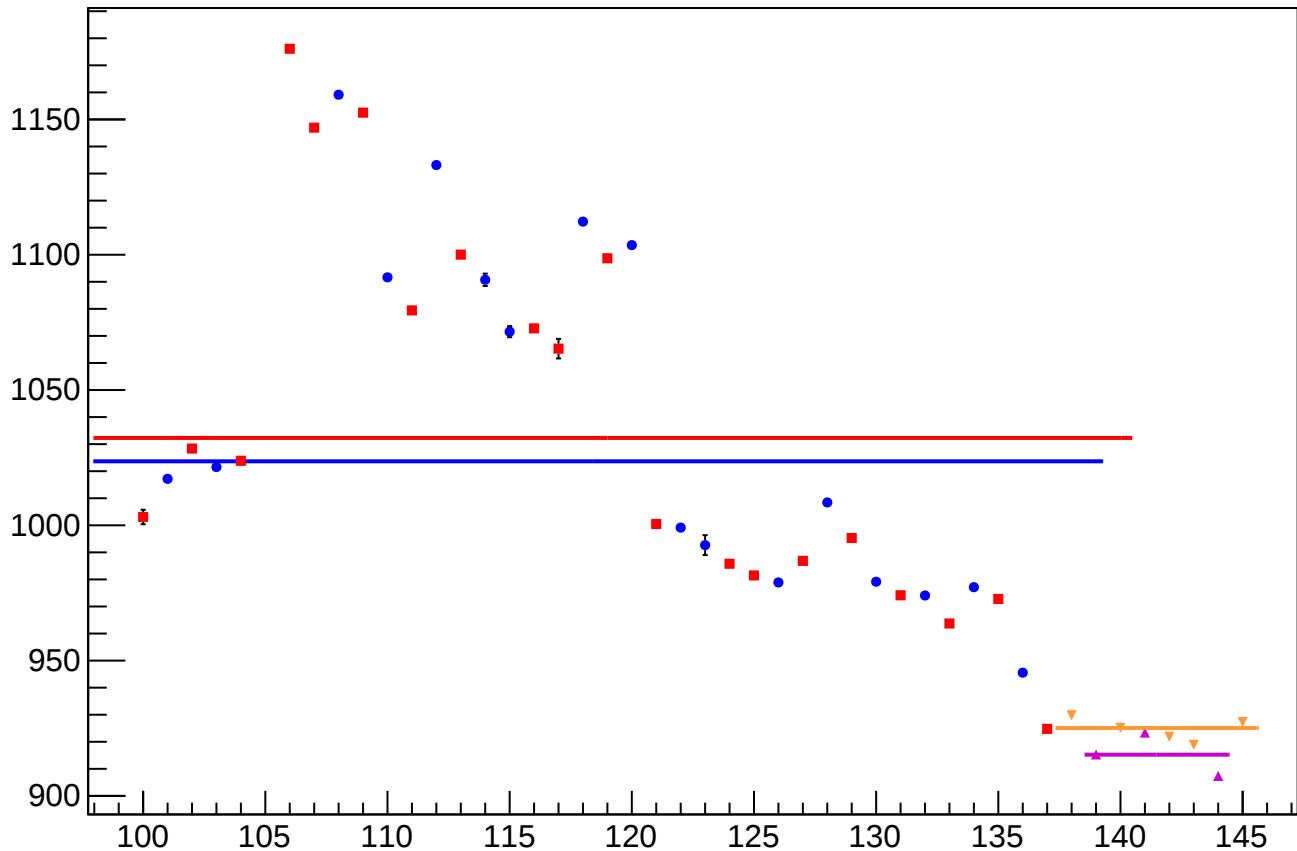
Right Out: 4.473 ± 0.386 χ^2/NDF : 106.3/19

Left In: 6.214 ± 0.593 χ^2/NDF : 1.0/2

0.725 ± 0.312 χ^2/NDF : 47.7/21

4.991 ± 0.323 χ^2/NDF : 113.4/22

diff_bpm2i01Y_rms vs Slug



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

Left Out: 925.091 $\pm$ 0.359 χ^2 /NDF:111.4/4

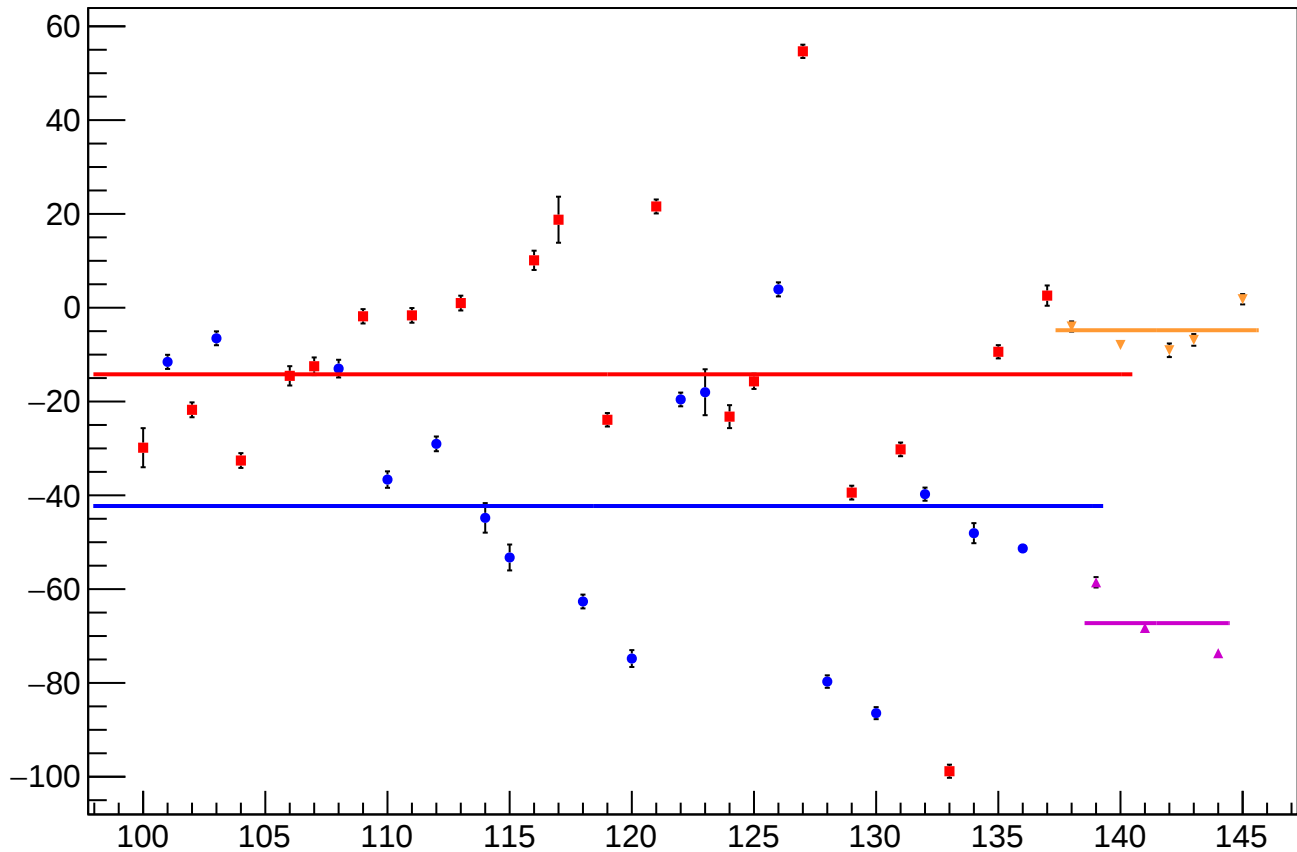
Right Out: 1032.296 $\pm$ 0.273 χ^2 /NDF: 59475.4/19

Left In: 915.231 $\pm$ 0.419 χ^2 /NDF:261.2/2

986.478 $\pm$ 0.220 χ^2 /NDF: 99458.1/21

997.490 $\pm$ 0.229 χ^2 /NDF: 114537.7/22

diff_bpm2i02X_mean vs Slug



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

Left Out: -4.802 ± 0.521 $\chi^2/\text{NDF}: 56.9/4$

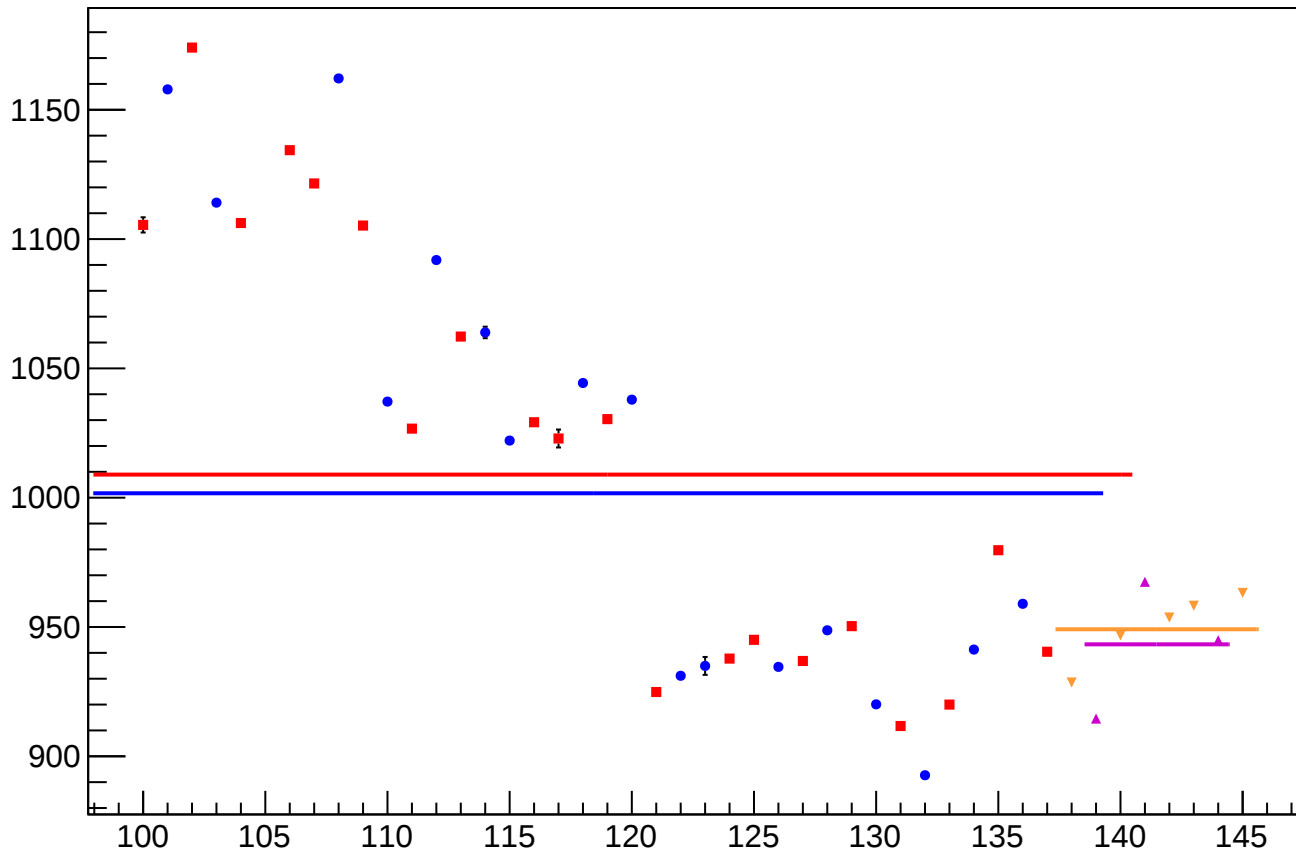
Right Out: -14.197 ± 0.377 $\chi^2/\text{NDF}: 7715.1/19$

Left In: -67.250 ± 0.611 $\chi^2/\text{NDF}: 102.1/2$

-28.933 ± 0.311 $\chi^2/\text{NDF}: 8521.1/21$

-28.842 ± 0.321 $\chi^2/\text{NDF}: 13273.9/22$

diff_bpm2i02X_rms vs Slug



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

Left Out: 949.117 ± 0.368 χ^2/NDF : 1187.9/4

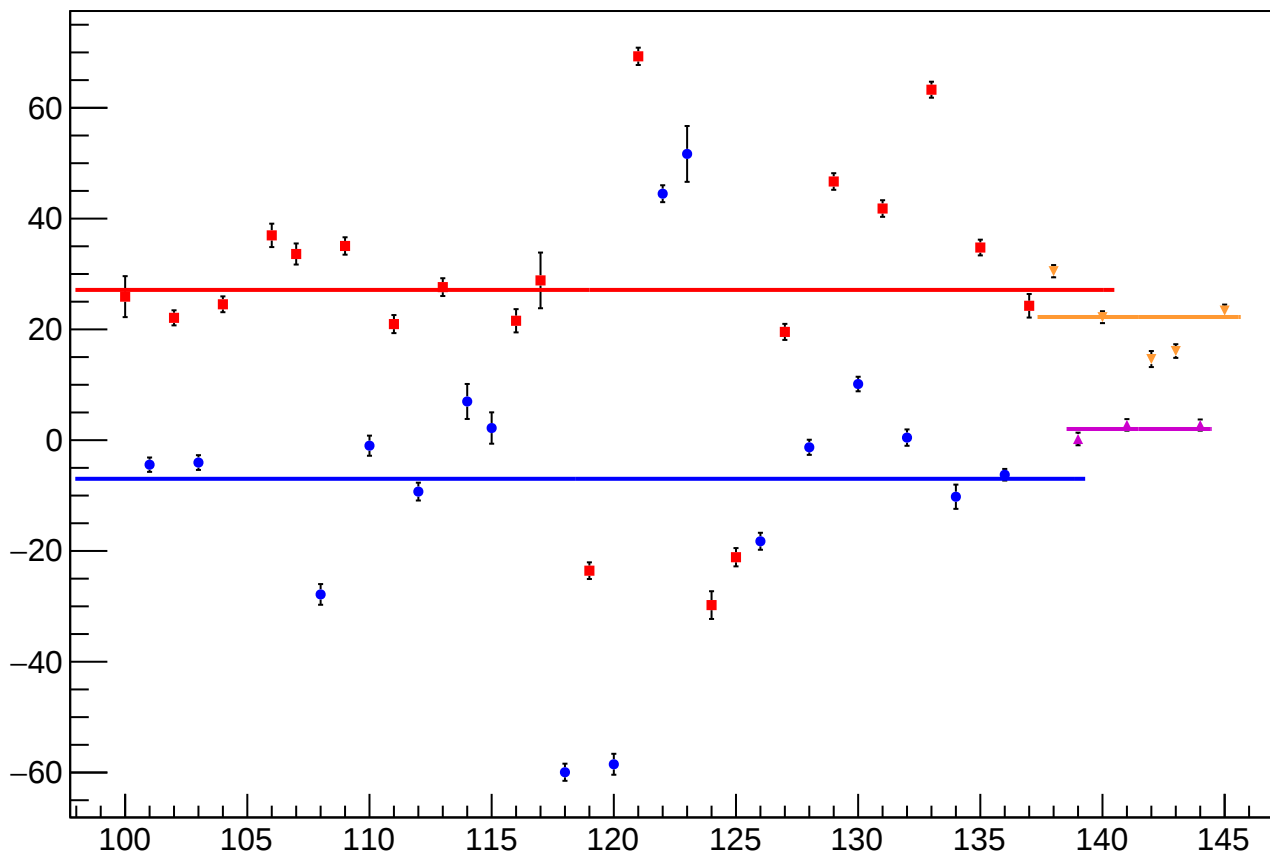
Right Out: 1008.931 ± 0.267 χ^2/NDF : 95366.1/19

Left In: 943.293 ± 0.432 χ^2/NDF : 2401.4/2

982.979 ± 0.220 χ^2/NDF : 109810.7/21

990.812 ± 0.227 χ^2/NDF : 114472.7/22

diff_bpm2i02Y_mean vs Slug



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

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

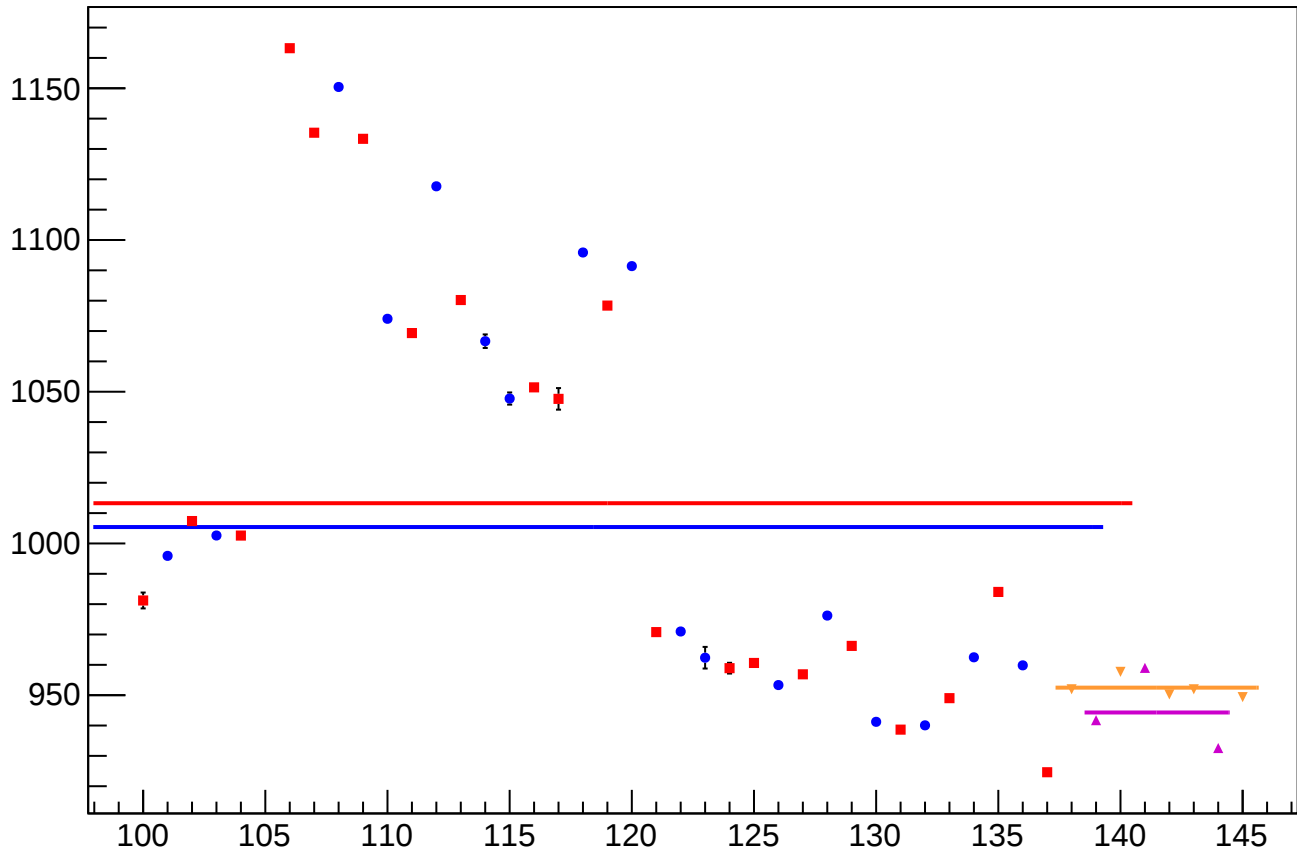
Right Out: 27.125 ± 0.379 χ^2/NDF : 4283.6/19

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

3.407 ± 0.311 χ^2/NDF : 5760.5/21

20.172 ± 0.322 χ^2/NDF : 5505.6/22

diff_bpm2i02Y_rms vs Slug



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

Left Out: 952.485 $\pm$ 0.369 χ^2 /NDF: 69.2/4

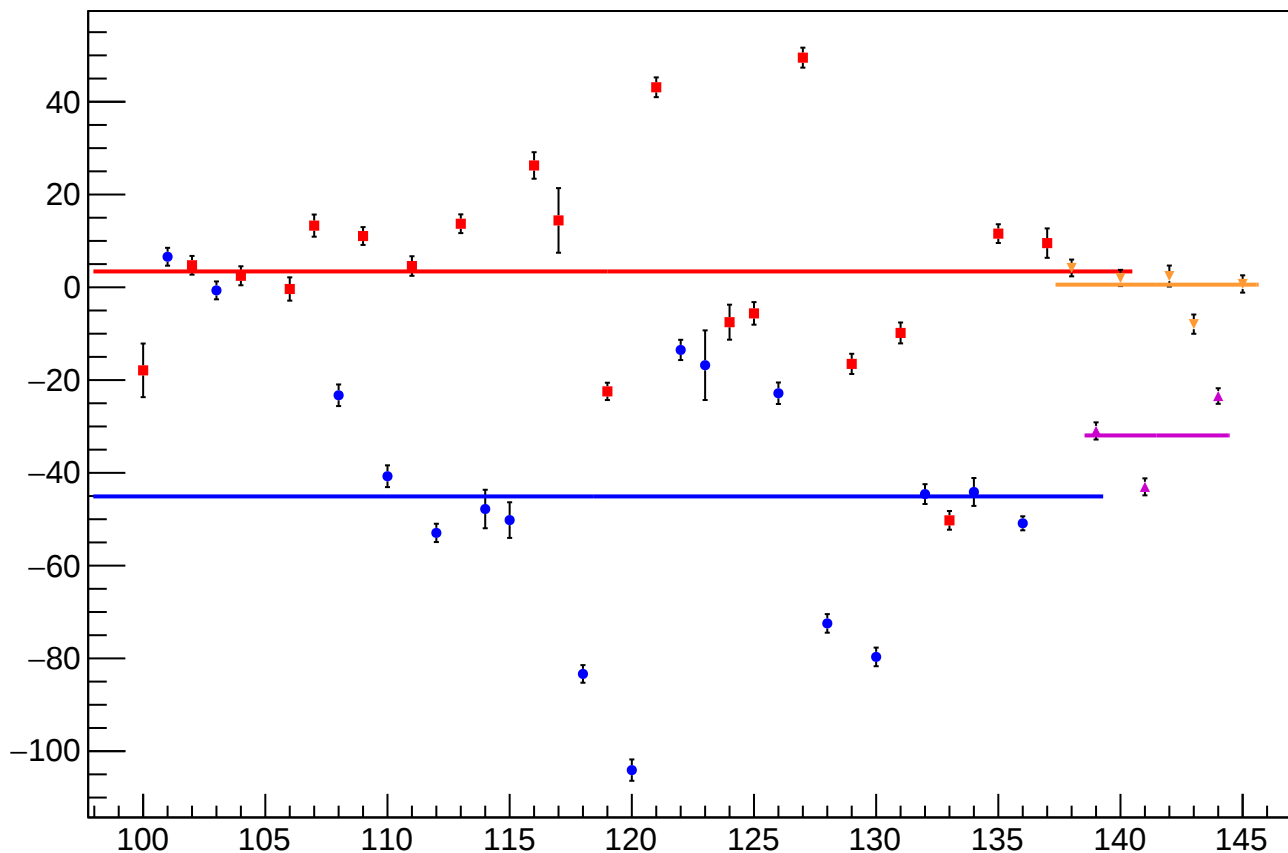
Right Out: 1013.260 $\pm$ 0.268 χ^2 /NDF: 63359.8/19

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

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

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

diff_bpm0i02X_mean vs Slug



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

Left Out: 0.570 ± 0.861 χ^2/NDF : 22.2/4

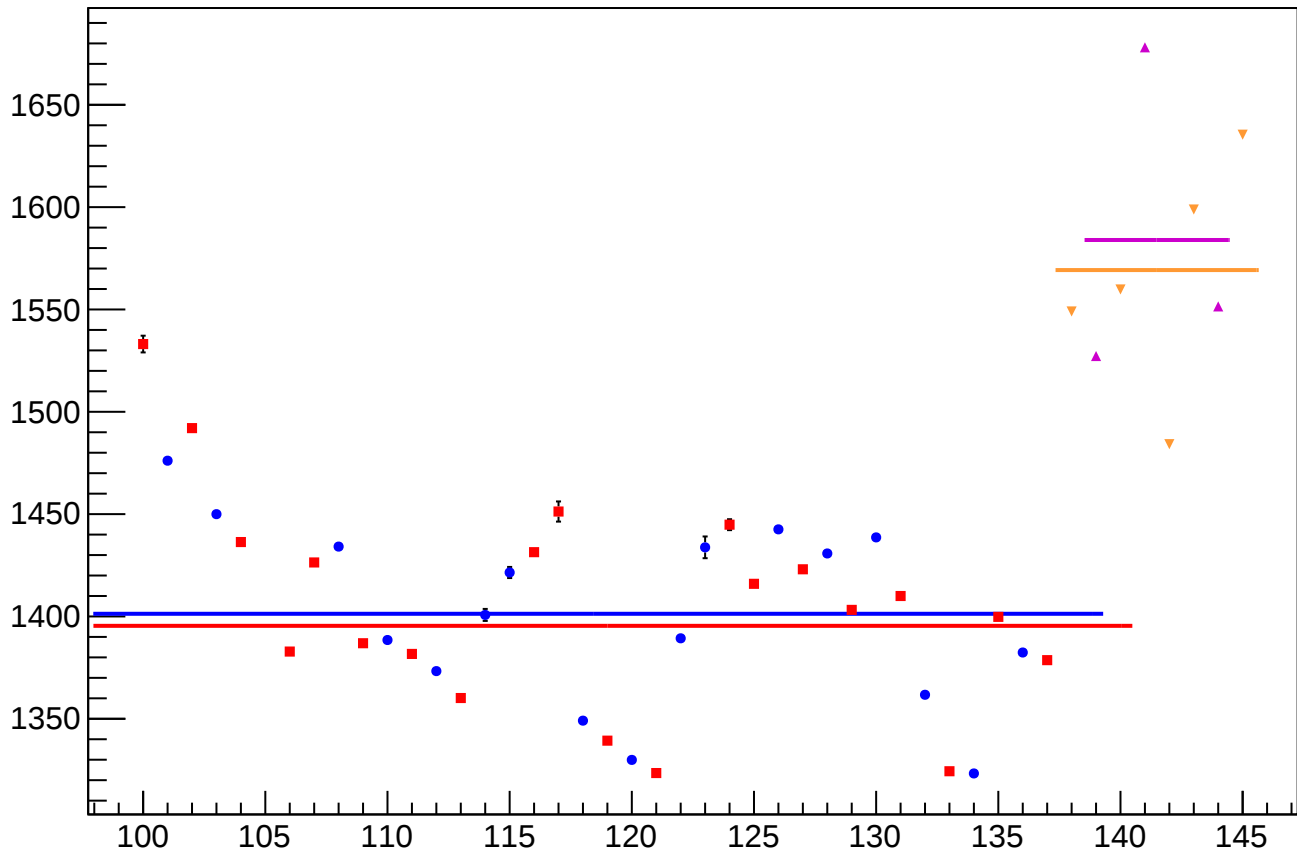
Right Out: 3.419 ± 0.520 χ^2/NDF : 2008.2/19

Left In: -31.935 ± 1.028 χ^2/NDF : 62.6/2

-32.207 ± 0.457 χ^2/NDF : 5277.9/21

-3.788 ± 0.464 χ^2/NDF : 3011.9/22

diff_bpm0i02X_rms vs Slug



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

Left Out: 1569.252+/-0.609 χ^2/NDF : 6063.8/4

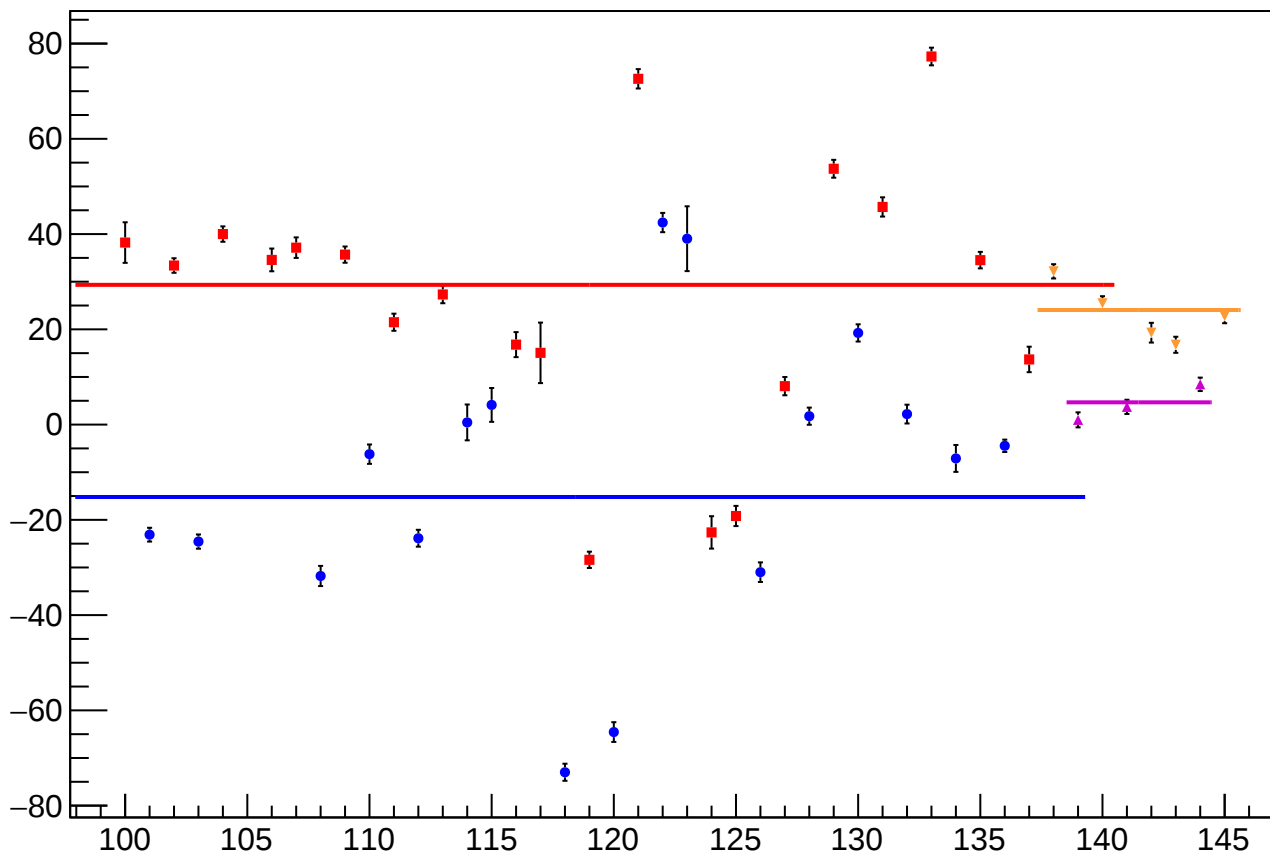
Right Out: 1395.419+/-0.368 χ^2/NDF : 15649.3/19

Left In: 1583.948+/-0.727 χ^2/NDF : 7911.4/2

1448.668+/-0.323 χ^2/NDF : 73531.8/21

1433.854+/-0.328 χ^2/NDF : 77083.4/22

diff_bpm0i02Y_mean vs Slug



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

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

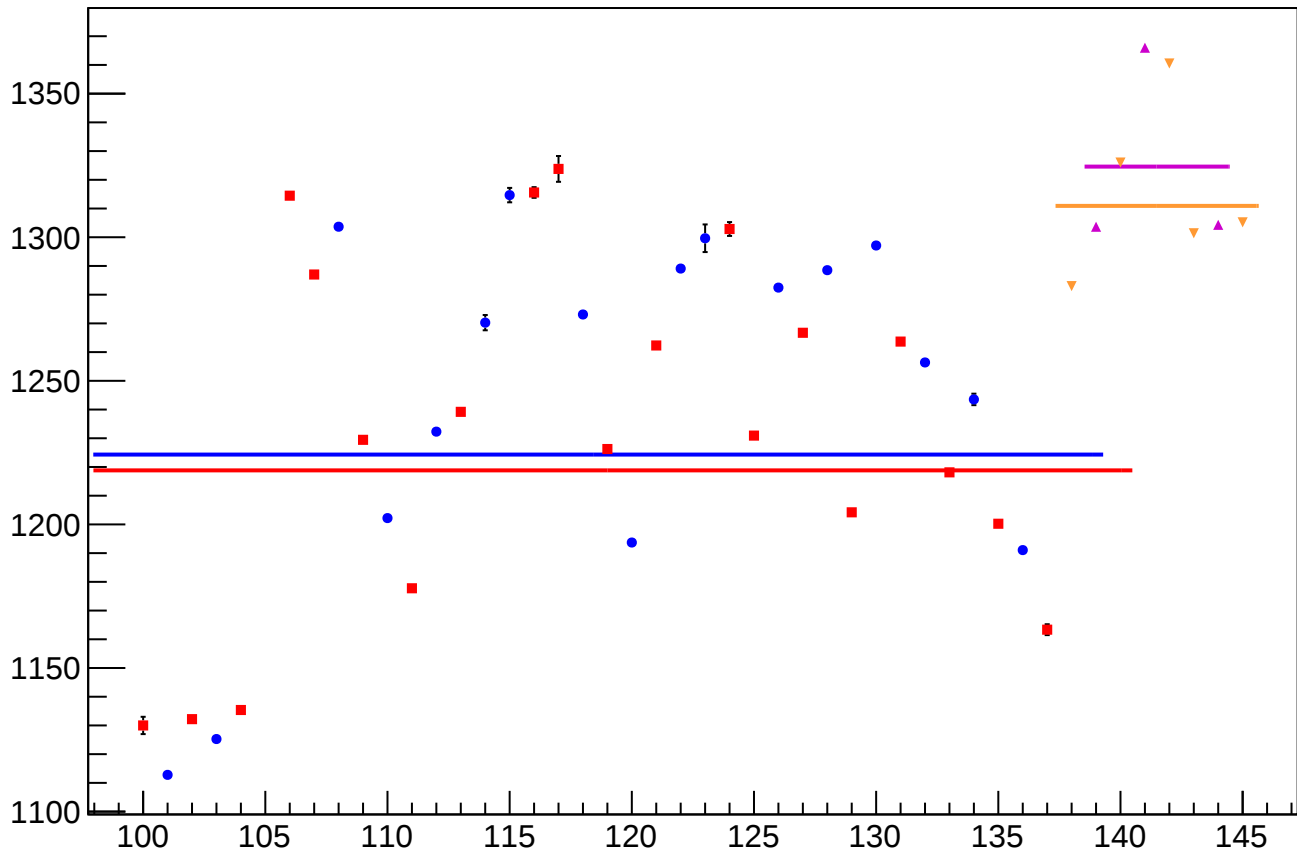
Right Out: 29.344 ± 0.455 χ^2/NDF : 3549.9/19

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

-3.377 ± 0.395 χ^2/NDF : 5500.4/21

23.949 ± 0.402 χ^2/NDF : 4205.7/22

diff_bpm0i02Y_rms vs Slug



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

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

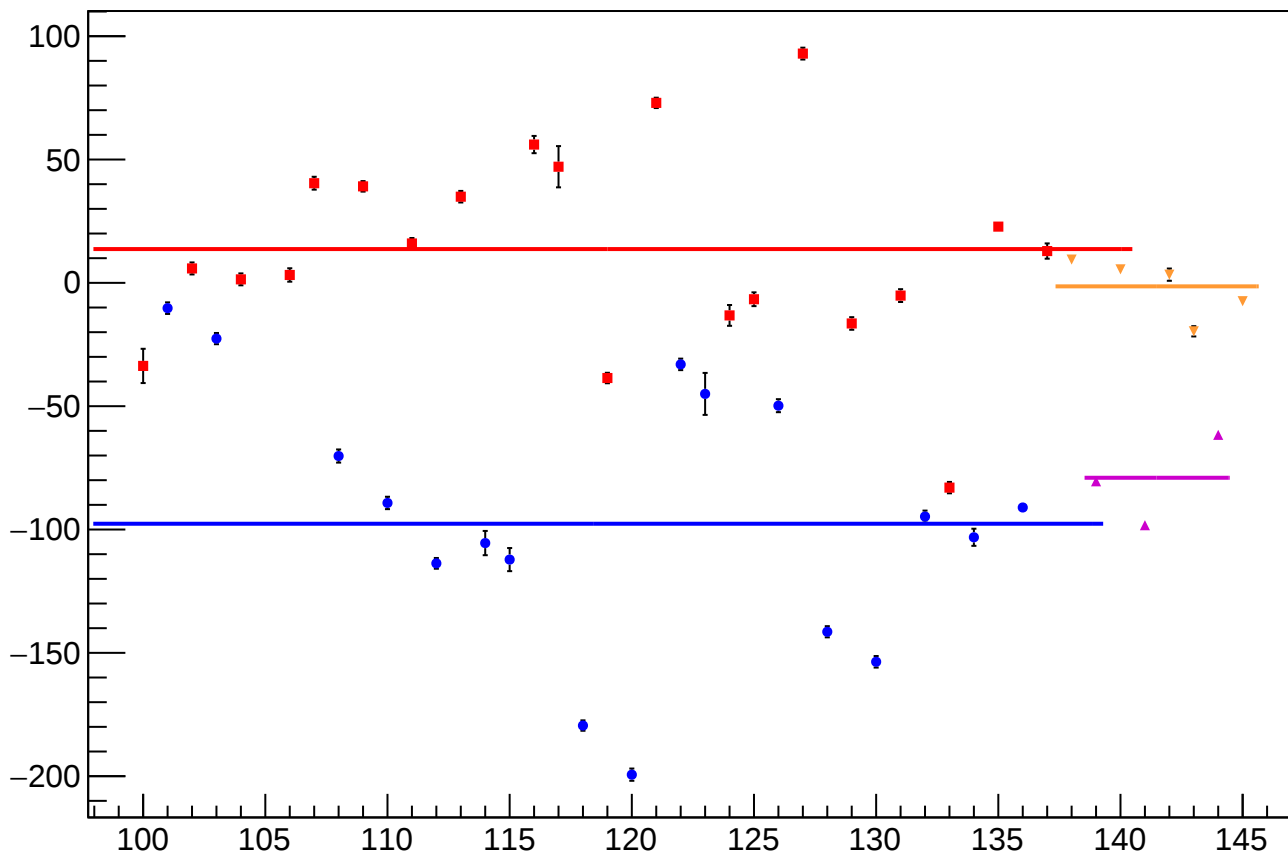
Right Out: 1218.817 ± 0.322 χ^2/NDF : 28121.5/19

Left In: 1324.597 ± 0.608 χ^2/NDF : 2302.1/2

1250.401 ± 0.279 χ^2/NDF : 61183.7/21

1241.949 ± 0.284 χ^2/NDF : 54059.8/22

diff_bpm0i02aX_mean vs Slug



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

Left Out: -1.420 ± 0.890 χ^2/NDF : 138.1/4

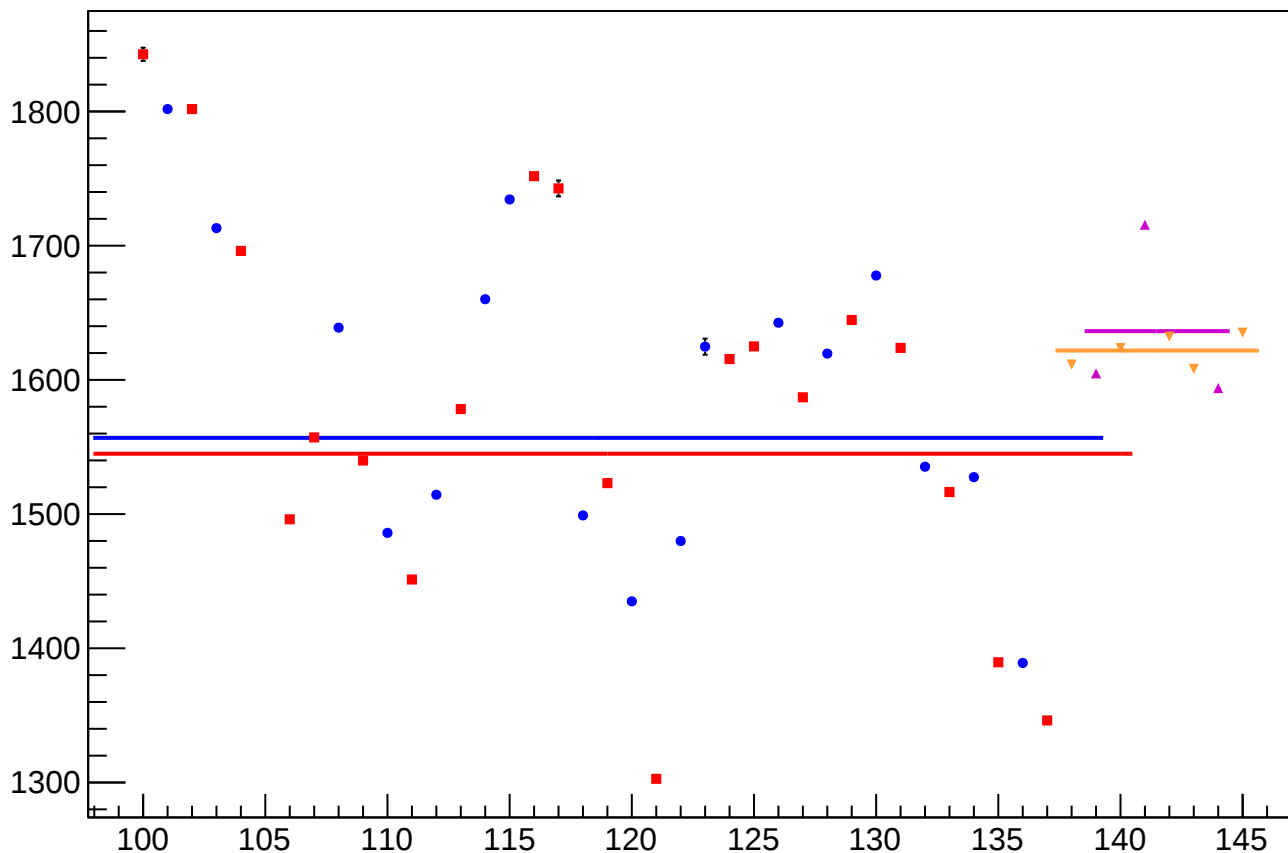
Right Out: 13.698 ± 0.578 χ^2/NDF : 5144.2/19

Left In: -79.016 ± 1.062 χ^2/NDF : 208.0/2

-67.472 ± 0.498 χ^2/NDF : 16108.7/21

-7.480 ± 0.508 χ^2/NDF : 11229.8/22

diff_bpm0i02aX_rms vs Slug



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

Left Out: 1621.848 ± 0.629 χ^2/NDF : 286.3/4

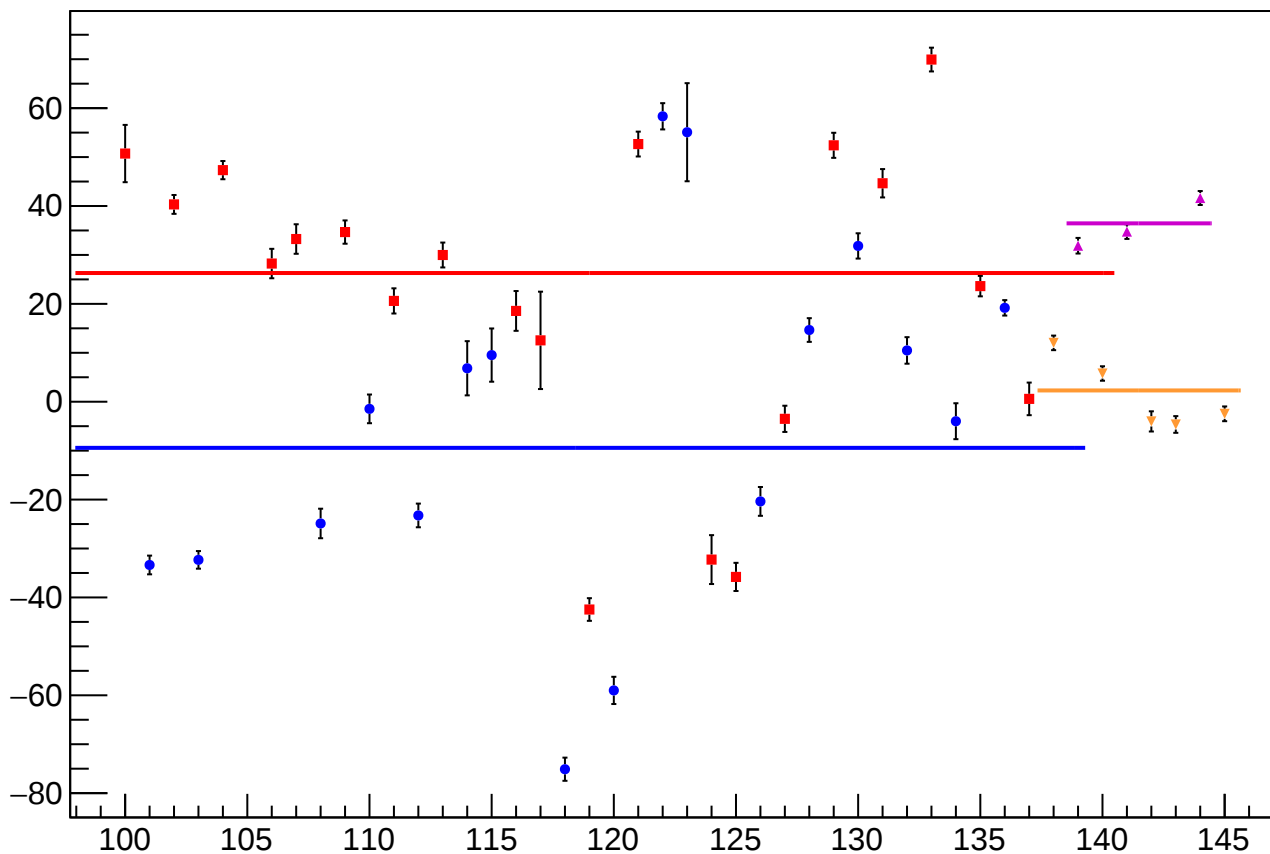
Right Out: 1544.983 ± 0.409 χ^2/NDF : 101624.6/19

Left In: 1636.326 ± 0.751 χ^2/NDF : 5318.3/2

1577.202 ± 0.352 χ^2/NDF : 89176.4/21

1565.847 ± 0.359 χ^2/NDF : 118352.9/22

diff_bpm0i02aY_mean vs Slug



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

Left Out: 2.305 ± 0.720 χ^2/NDF : 84.3/4

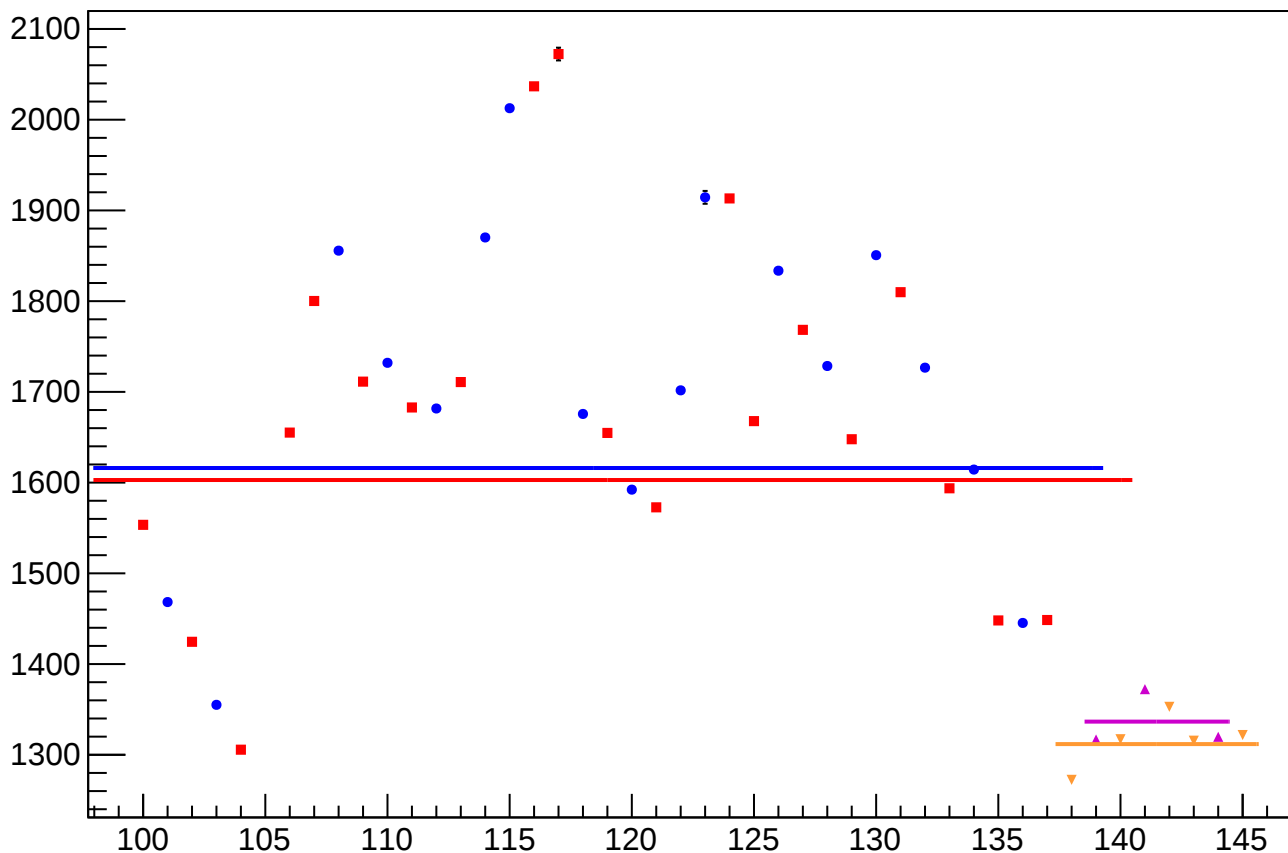
Right Out: 26.304 ± 0.602 χ^2/NDF : 2474.0/19

Left In: 36.453 ± 0.868 χ^2/NDF : 22.6/2

-4.372 ± 0.473 χ^2/NDF : 3159.5/21

29.600 ± 0.494 χ^2/NDF : 2589.0/22

diff_bpm0i02aY_rms vs Slug



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

Left Out: 1311.793 ± 0.509 χ^2/NDF : 2319.7/4

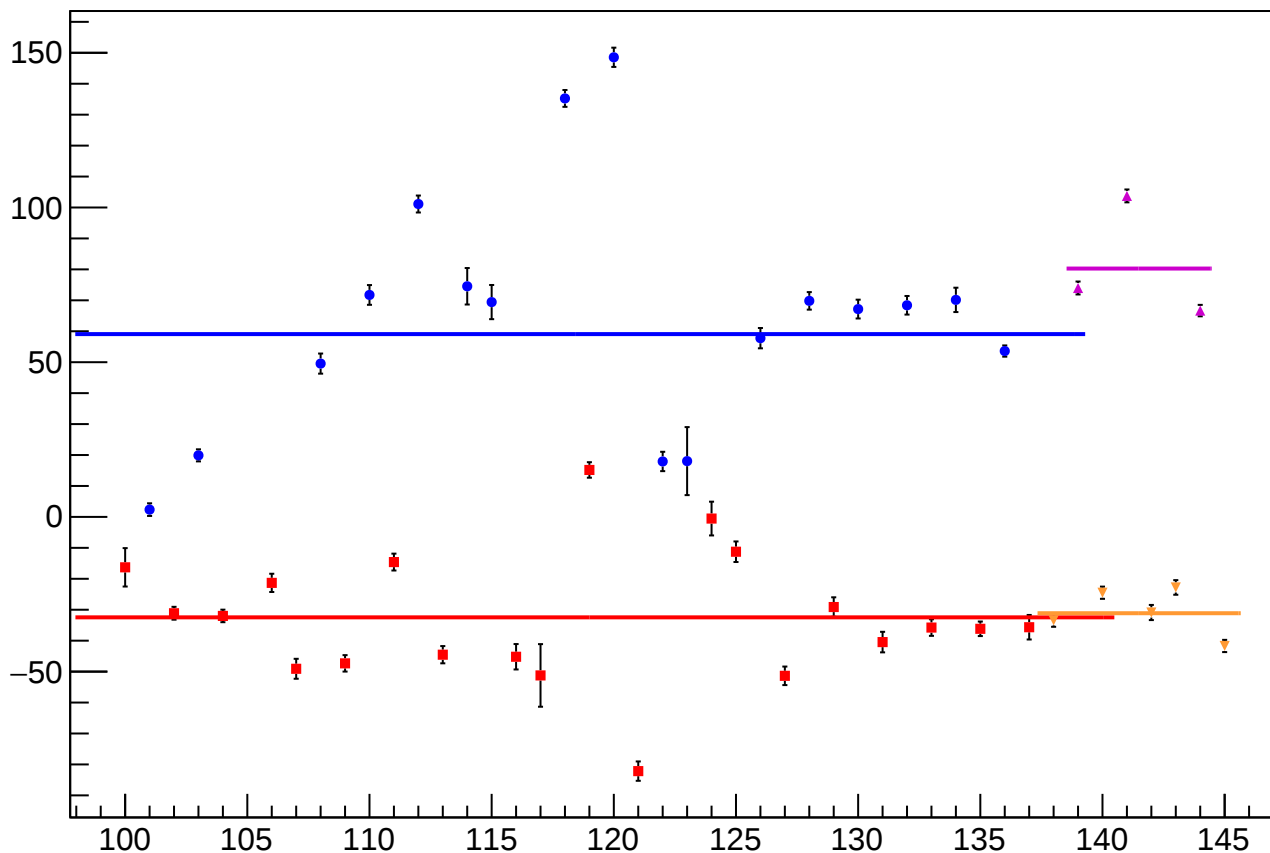
Right Out: 1602.857 ± 0.425 χ^2/NDF : 158119.5/19

Left In: 1336.557 ± 0.613 χ^2/NDF : 1719.2/2

1484.980 ± 0.334 χ^2/NDF : 355245.5/21

1516.367 ± 0.350 χ^2/NDF : 287077.9/22

diff_bpm0i05X_mean vs Slug



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

Left Out: -31.130+/-0.960 χ^2 /NDF: 53.6/4

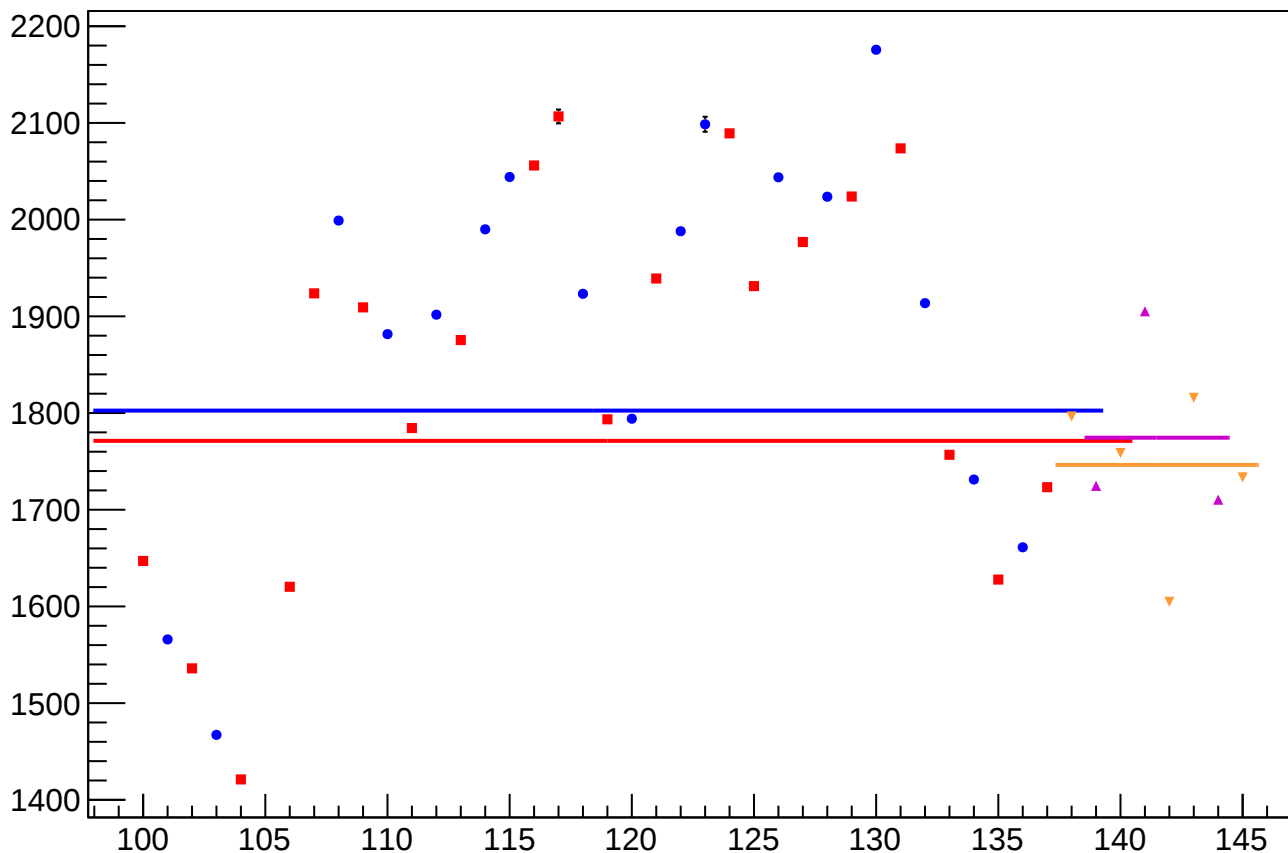
Right Out: -32.463+/-0.665 χ^2 /NDF: 894.9/19

Left In: 80.267+/-1.154 χ^2 /NDF: 190.1/2

27.785+/-0.565 χ^2 /NDF: 9117.8/21

-4.346+/-0.576 χ^2 /NDF: 8251.7/22

diff_bpm0i05X_rms vs Slug



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

Left Out: 1746.360+/-0.679 χ^2/NDF : 9714.9/4

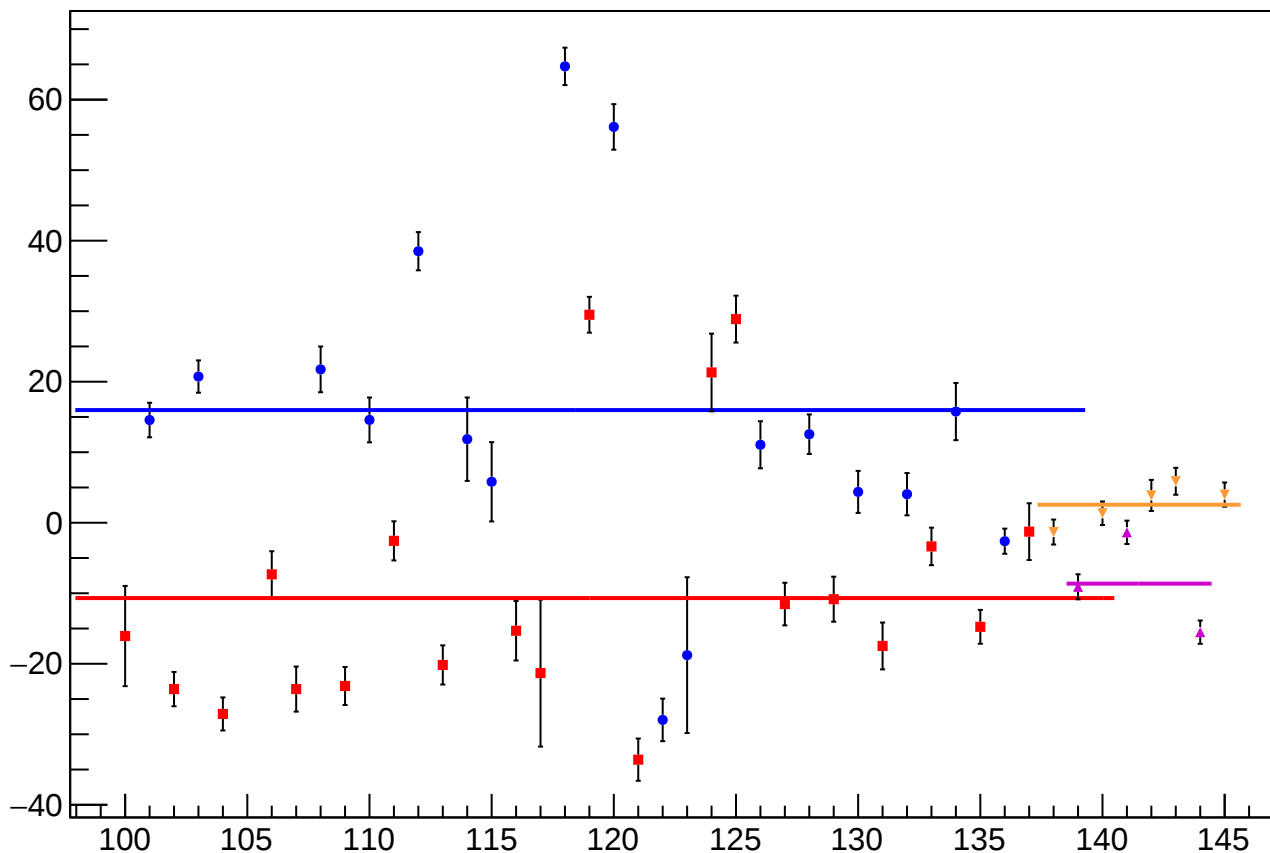
Right Out: 1771.228+/-0.470 χ^2/NDF : 180101.6/19

Left In: 1774.490+/-0.816 χ^2/NDF : 11415.4/2

1783.039+/-0.400 χ^2/NDF : 198257.4/21

1772.042+/-0.407 χ^2/NDF : 191529.0/22

diff_bpm0i05Y_mean vs Slug



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

Left Out: 2.556+/-0.817 χ^2 /NDF: 9.4/4

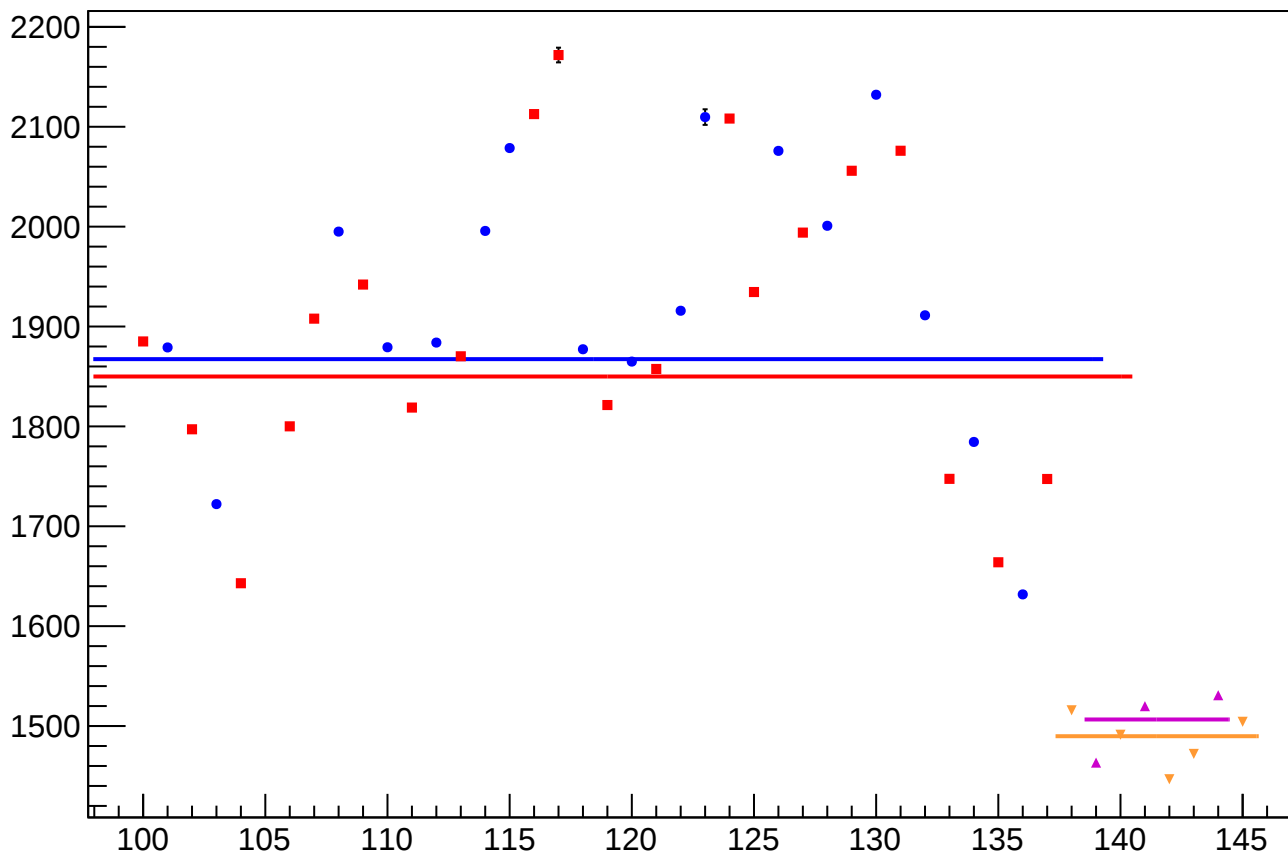
Right Out: -10.685+/-0.692 χ^2 /NDF: 643.2/19

Left In: -8.636+/-0.977 χ^2 /NDF: 36.6/2

10.097+/-0.541 χ^2 /NDF: 1099.3/21

-10.000+/-0.565 χ^2 /NDF: 682.7/22

diff_bpm0i05Y_rms vs Slug



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

Left Out: 1489.804+/-0.578 χ^2/NDF :1509.4/4

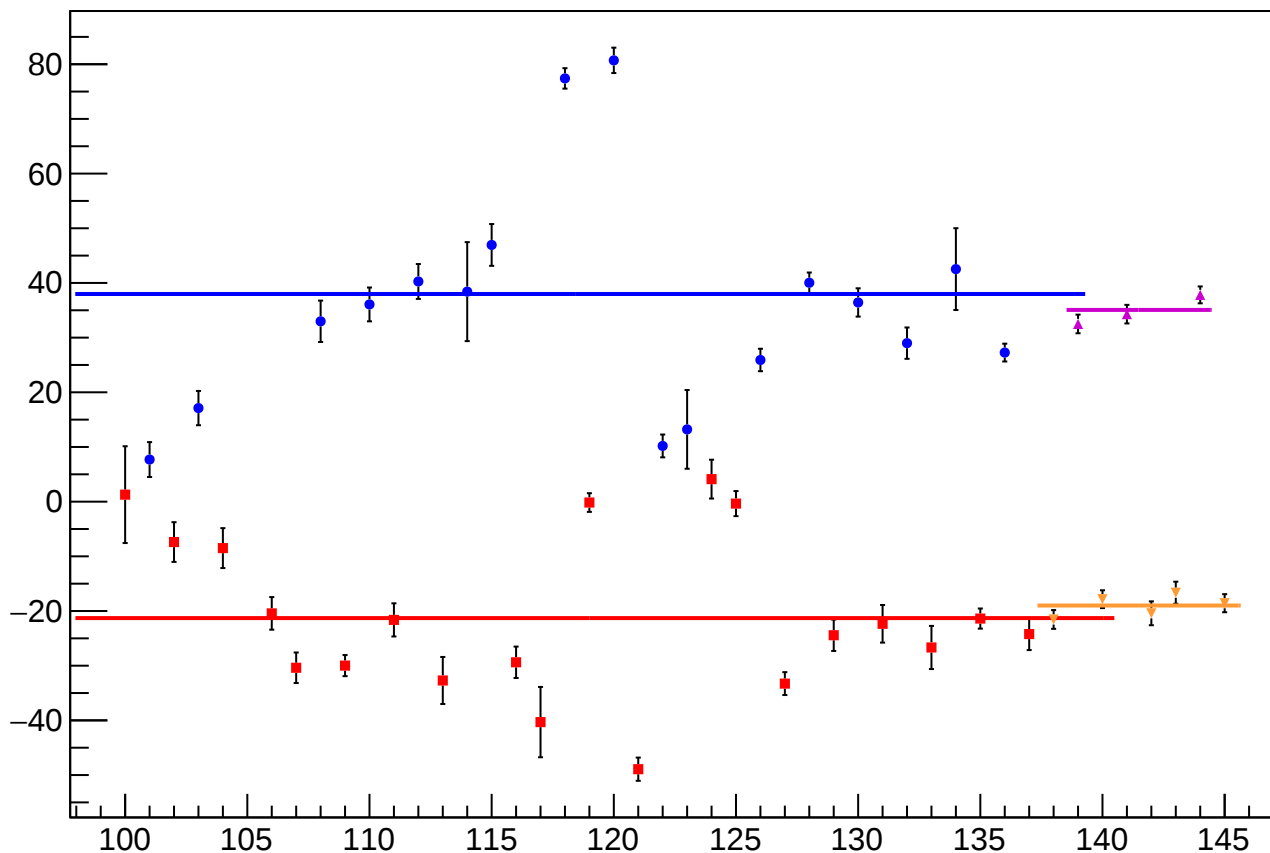
Right Out: 1849.954+/-0.489 χ^2/NDF : 74440.9/19

Left In: 1506.558+/-0.691 χ^2/NDF :1744.9/2

1701.942+/-0.382 χ^2/NDF : 322267.7/21

1735.290+/-0.399 χ^2/NDF : 240725.2/22

diff_bpm0i07X_mean vs Slug



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

Left Out: -18.994 ± 0.807 χ^2/NDF : 4.5/4

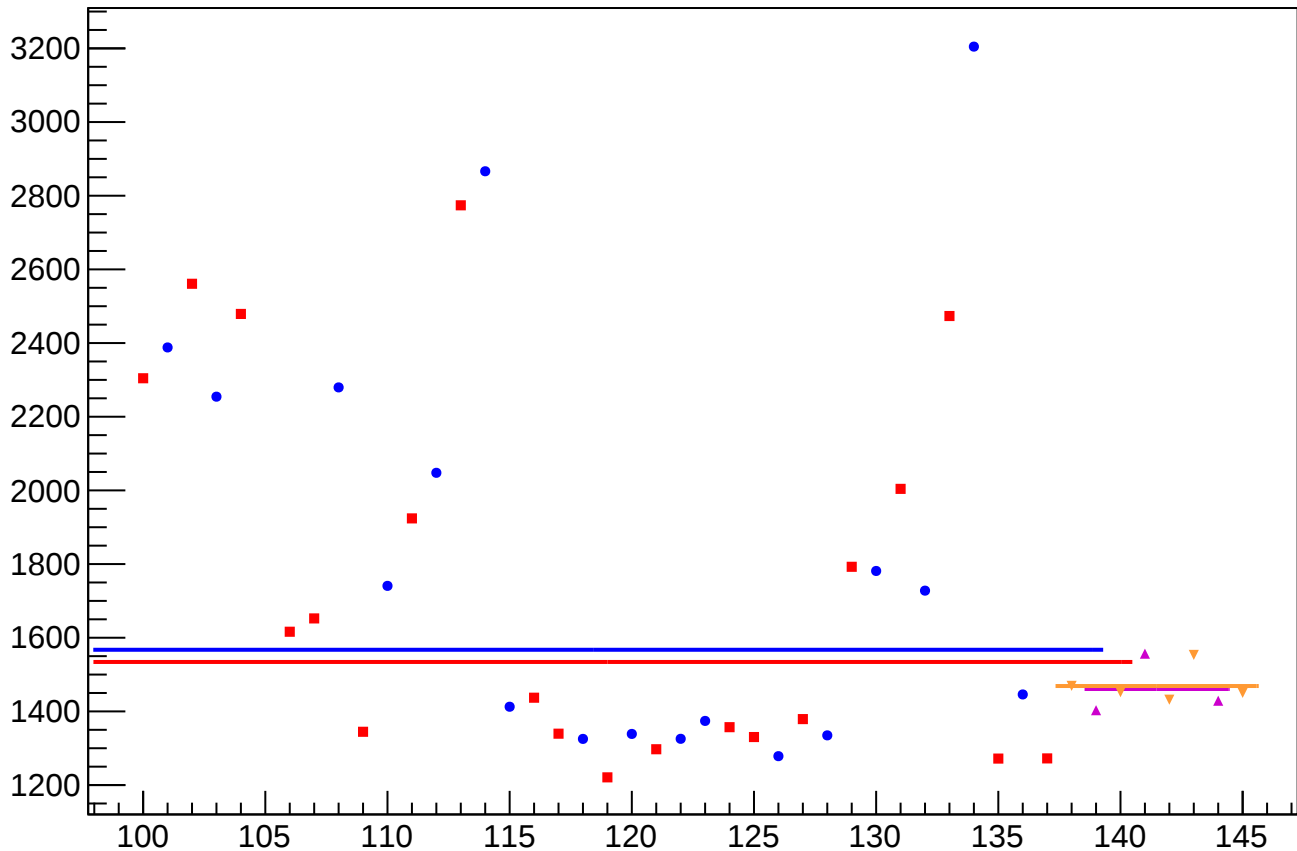
Right Out: -21.294 ± 0.606 χ^2/NDF : 582.5/19

Left In: 35.067 ± 0.949 χ^2/NDF : 5.7/2

16.077 ± 0.500 χ^2/NDF : 4280.4/21

-4.976 ± 0.510 χ^2/NDF : 3095.5/22

diff_bpm0i07X_rms vs Slug



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

Left Out: 1468.905+/-0.570 χ^2/NDF : 4544.8/4

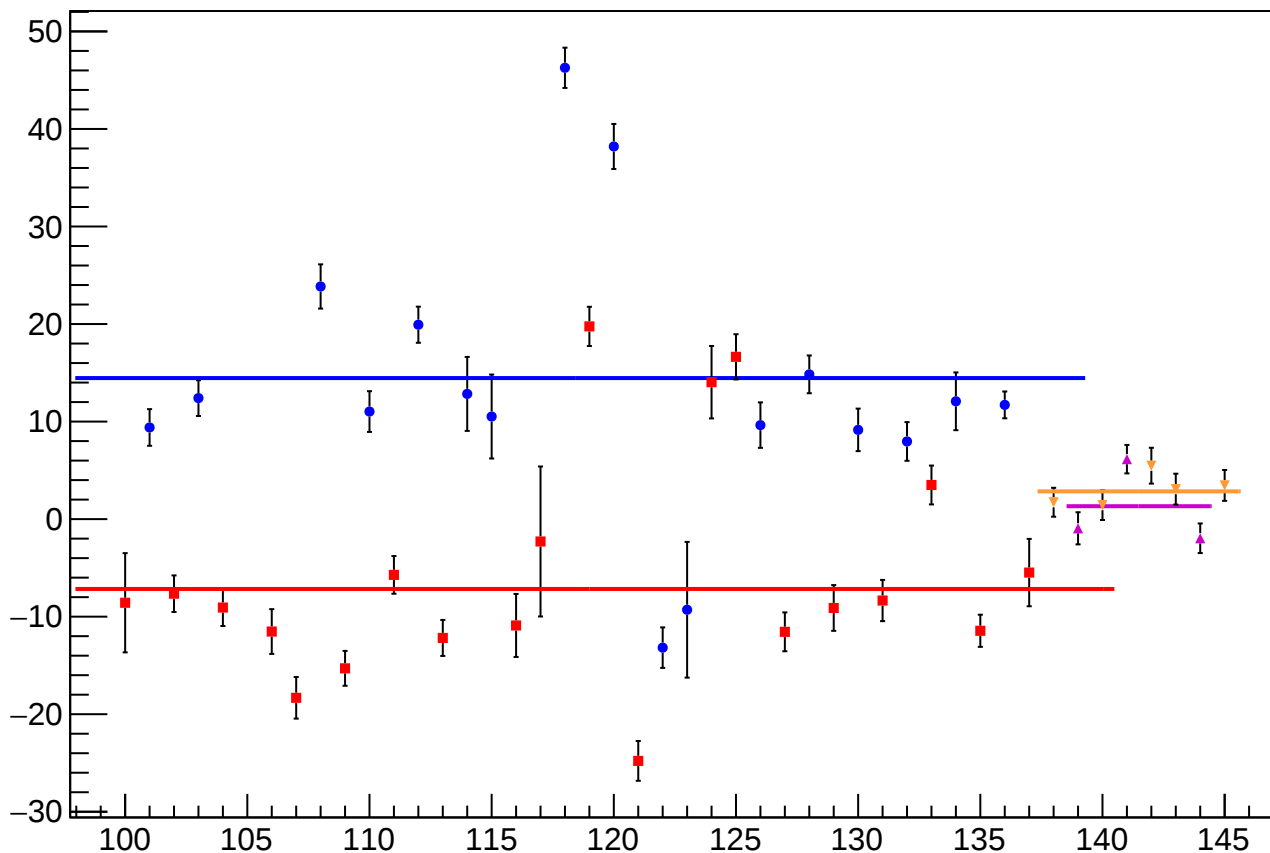
Right Out: 1534.225+/-0.428 χ^2/NDF : 883947.6/19

Left In: 1460.825+/-0.671 χ^2/NDF : 9509.6/2

1529.493+/-0.354 χ^2/NDF : 696329.6/21

1512.974+/-0.361 χ^2/NDF : 901962.4/22

diff_bpm0i07Y_mean vs Slug



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

Left Out: 2.845+/-0.711 χ^2/NDF : 3.6/4

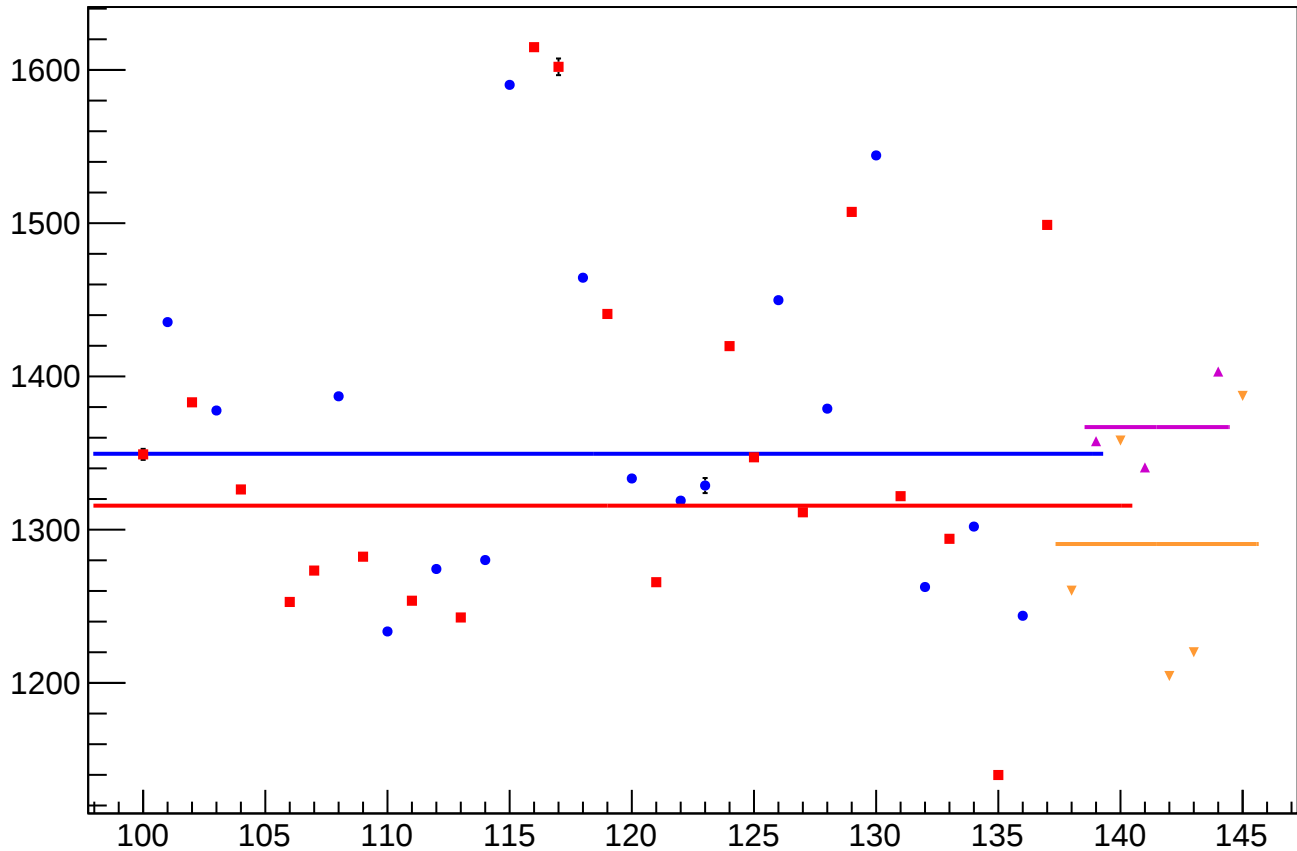
Right Out: -7.161+/-0.493 χ^2/NDF : 496.1/19

Left In: 1.324+/-0.887 χ^2/NDF : 17.5/2

10.377+/-0.421 χ^2/NDF : 772.9/21

-5.155+/-0.431 χ^2/NDF : 583.5/22

diff_bpm0i07Y_rms vs Slug



Right In: 1349.522 ± 0.370 $\chi^2/\text{NDF}: 64667.6/16$

Left Out: 1290.640 ± 0.502 $\chi^2/\text{NDF}: 20603.6/4$

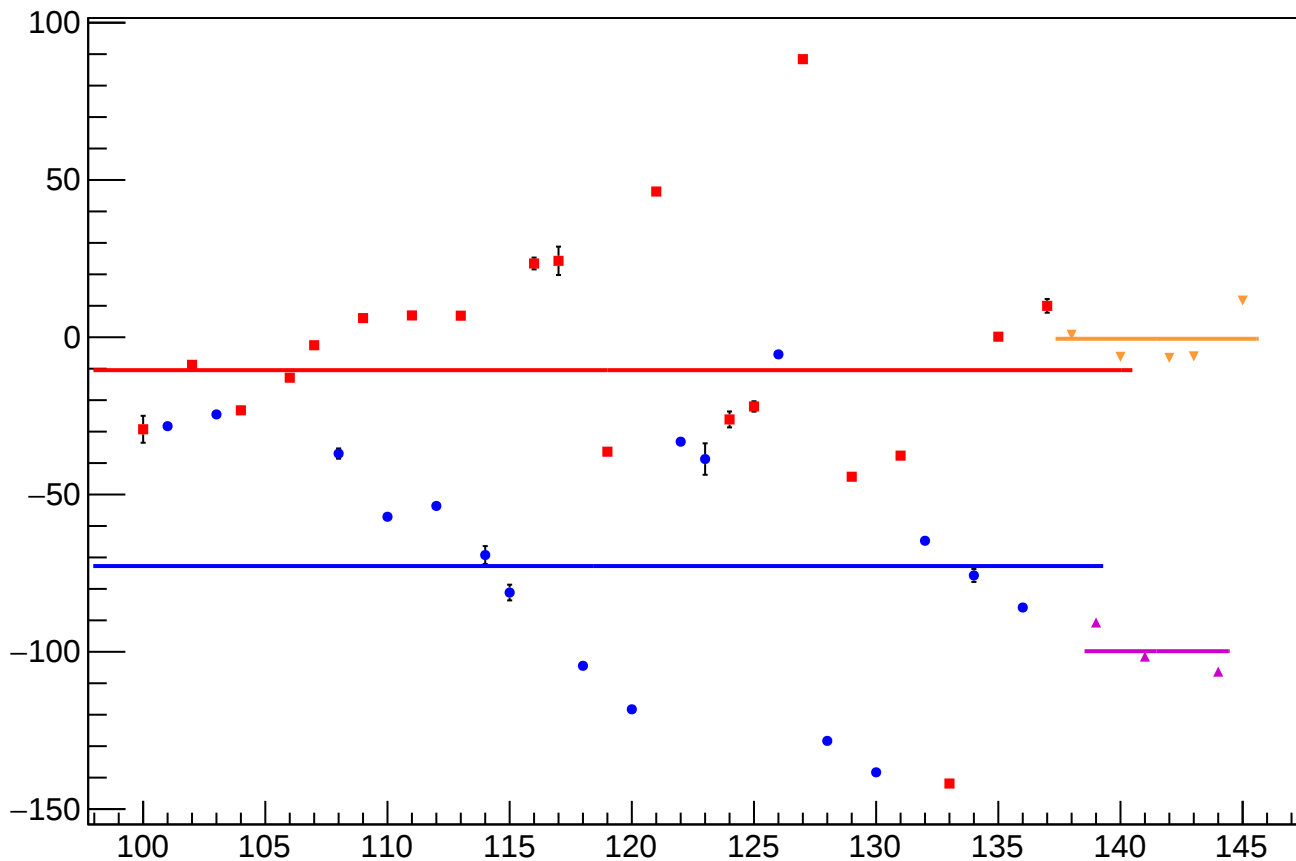
Right Out: 1315.669 ± 0.349 $\chi^2/\text{NDF}: 83739.0/19$

Left In: 1366.942 ± 0.627 $\chi^2/\text{NDF}: 1852.1/2$

1328.822 ± 0.298 $\chi^2/\text{NDF}: 94176.1/21$

1327.790 ± 0.305 $\chi^2/\text{NDF}: 90697.8/22$

diff_bpm1i02X_mean vs Slug



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

Left Out: -0.488 ± 0.510 $\chi^2/\text{NDF}: 199.2/4$

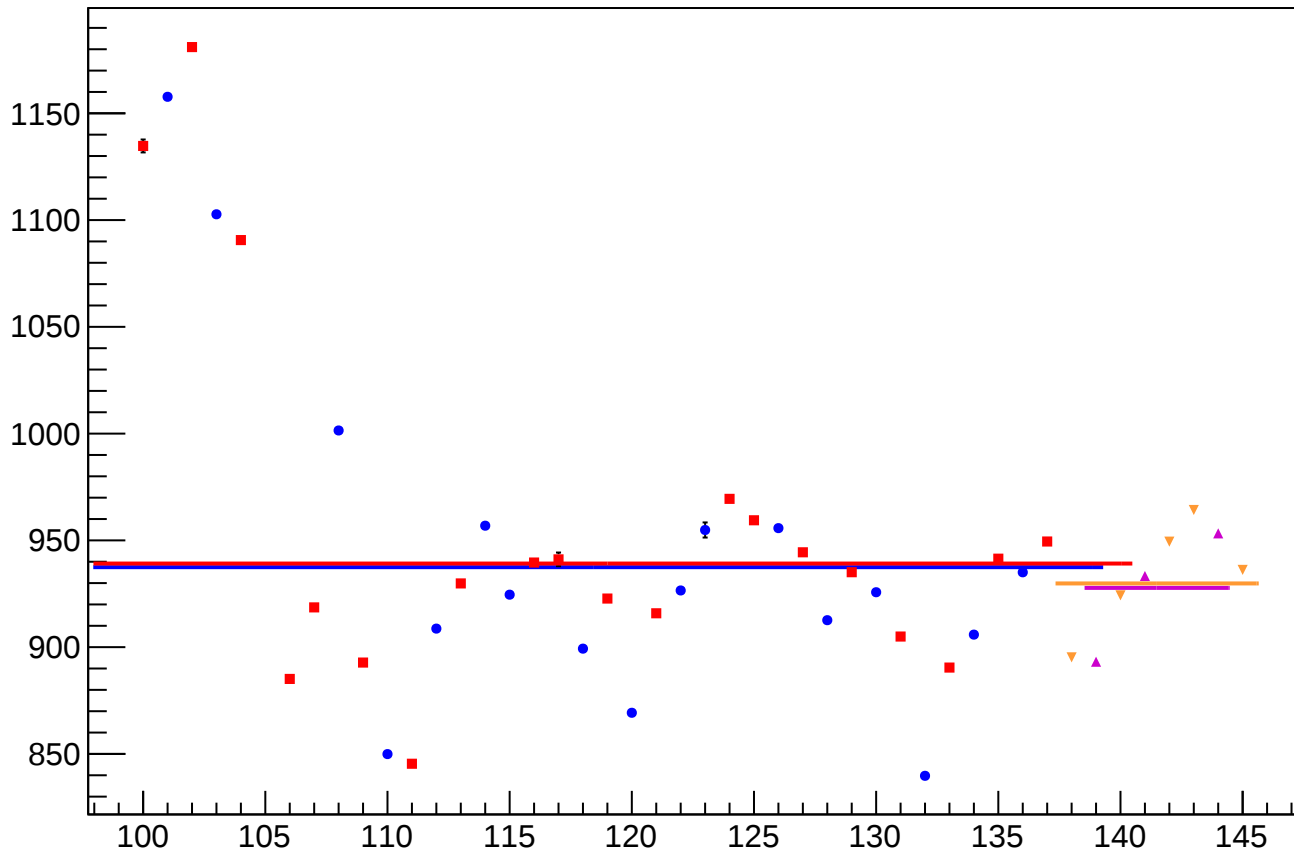
Right Out: -10.459 ± 0.351 $\chi^2/\text{NDF}: 18230.6/19$

Left In: -99.808 ± 0.601 $\chi^2/\text{NDF}: 113.8/2$

-48.504 ± 0.295 $\chi^2/\text{NDF}: 25226.9/21$

-33.201 ± 0.303 $\chi^2/\text{NDF}: 34813.3/22$

diff_bpm1i02X_rms vs Slug



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

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

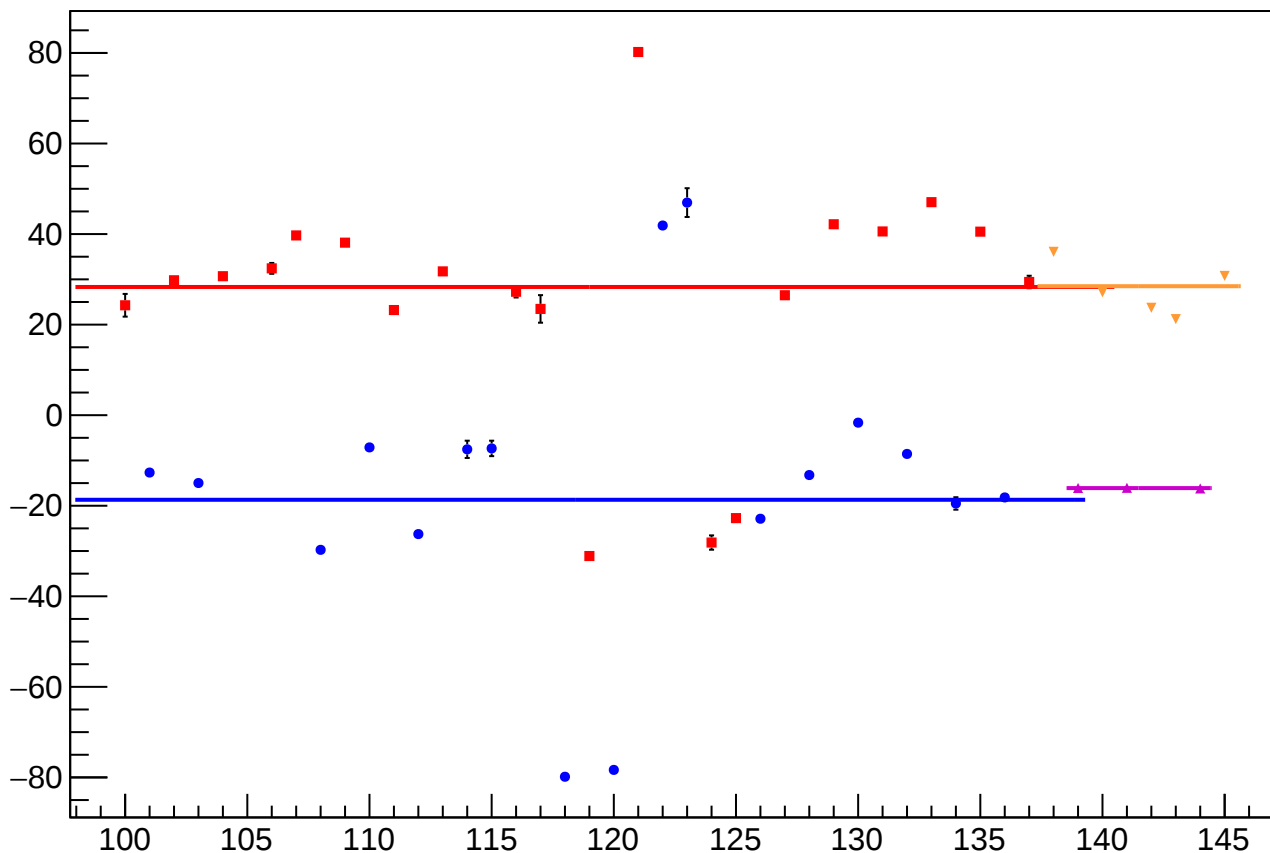
Right Out: 939.152 $\pm$ 0.248 χ^2 /NDF: 90253.6/19

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

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

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

diff_bpm1i02Y_mean vs Slug



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

Left Out: 28.486+/-0.352 χ^2/NDF :219.2/4

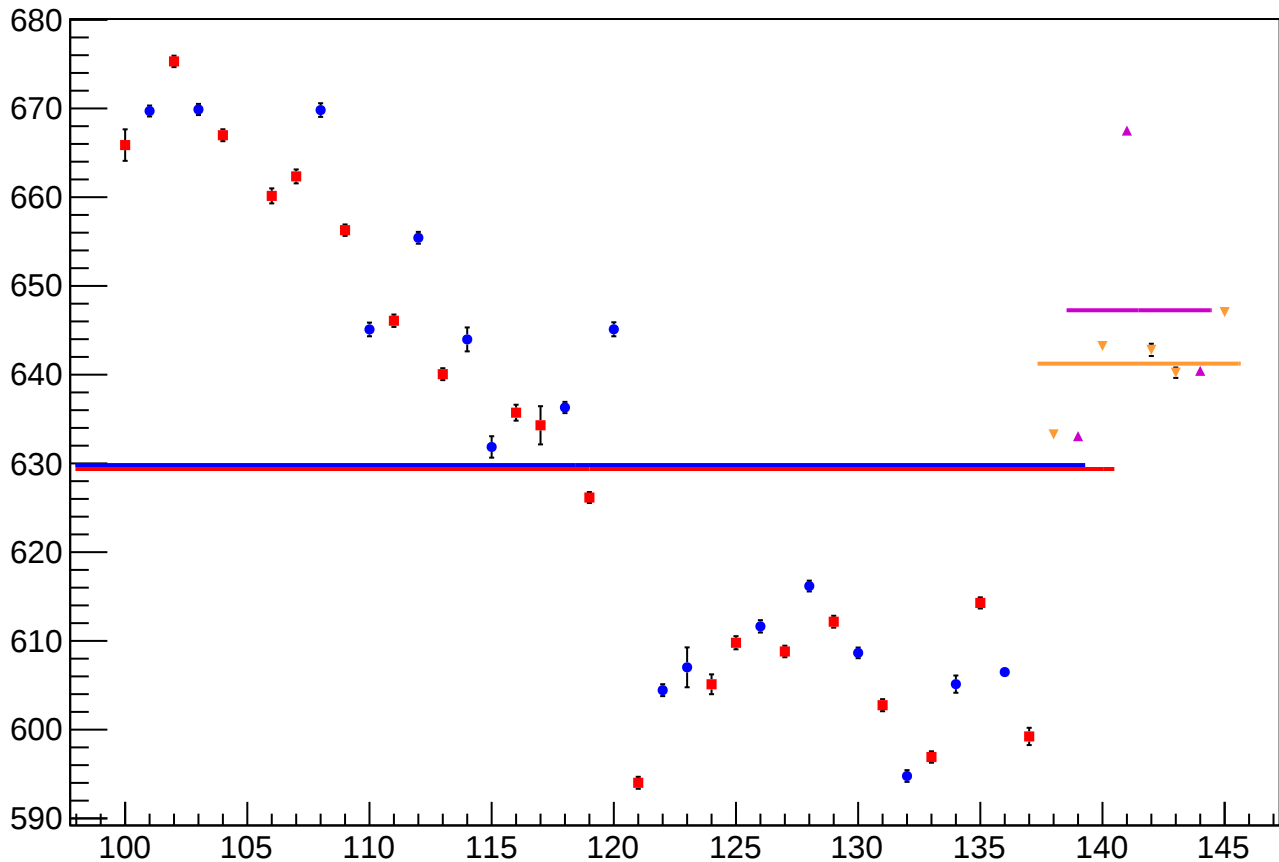
Right Out: 28.318+/-0.235 χ^2/NDF : 12510.6/19

Left In: -16.102+/-0.419 χ^2/NDF :0.0/2

-3.462+/-0.200 χ^2/NDF : 25418.4/21

17.717+/-0.205 χ^2/NDF : 21054.6/22

diff_bpm1i02Y_rms vs Slug



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

Left Out: 641.244 $\pm$ 0.249 χ^2 /NDF:380.3/4

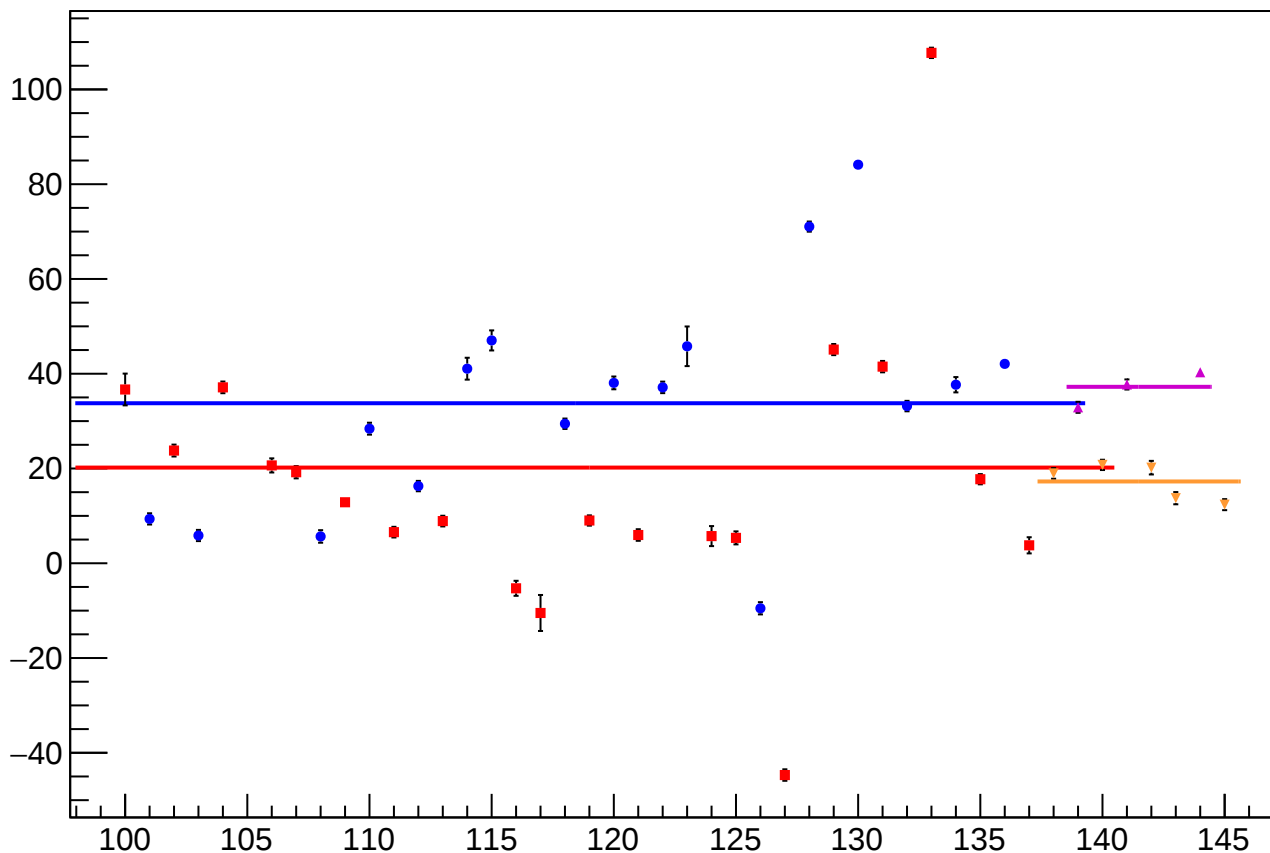
Right Out: 629.370 $\pm$ 0.166 χ^2 /NDF: 25543.7/19

Left In: 647.258 $\pm$ 0.297 χ^2 /NDF:2432.6/2

633.503 $\pm$ 0.141 χ^2 /NDF: 25110.3/21

633.638 $\pm$ 0.145 χ^2 /NDF: 30747.6/22

diff_bpm1i04X_mean vs Slug



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

Left Out: 17.262 ± 0.538 χ^2/NDF : 41.9/4

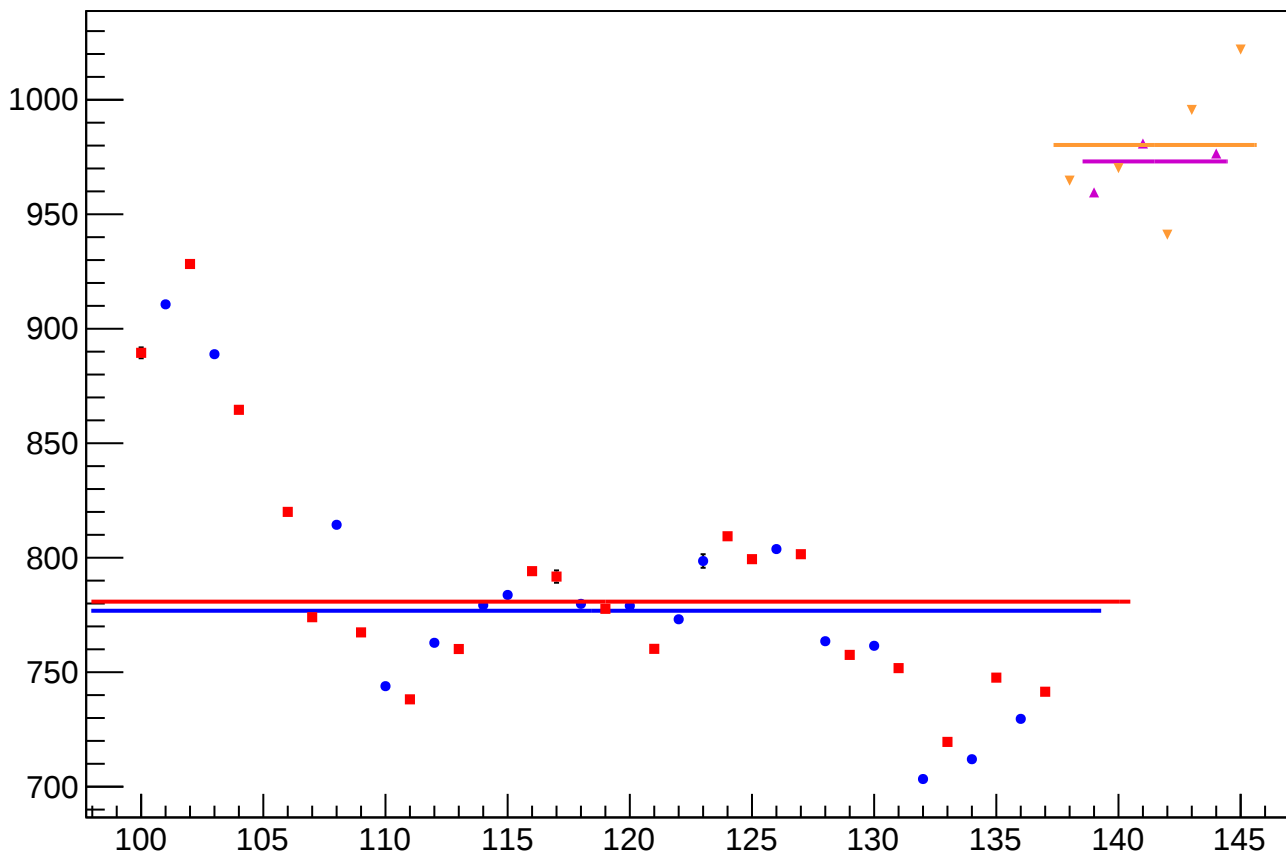
Right Out: 20.193 ± 0.292 χ^2/NDF : 11353.3/19

Left In: 37.237 ± 0.631 χ^2/NDF : 22.5/2

29.856 ± 0.262 χ^2/NDF : 7248.8/21

23.197 ± 0.265 χ^2/NDF : 11977.8/22

diff_bpm1i04X_rms vs Slug



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

Left Out: 980.266 $\pm$ 0.380 χ^2 /NDF: 4888.5/4

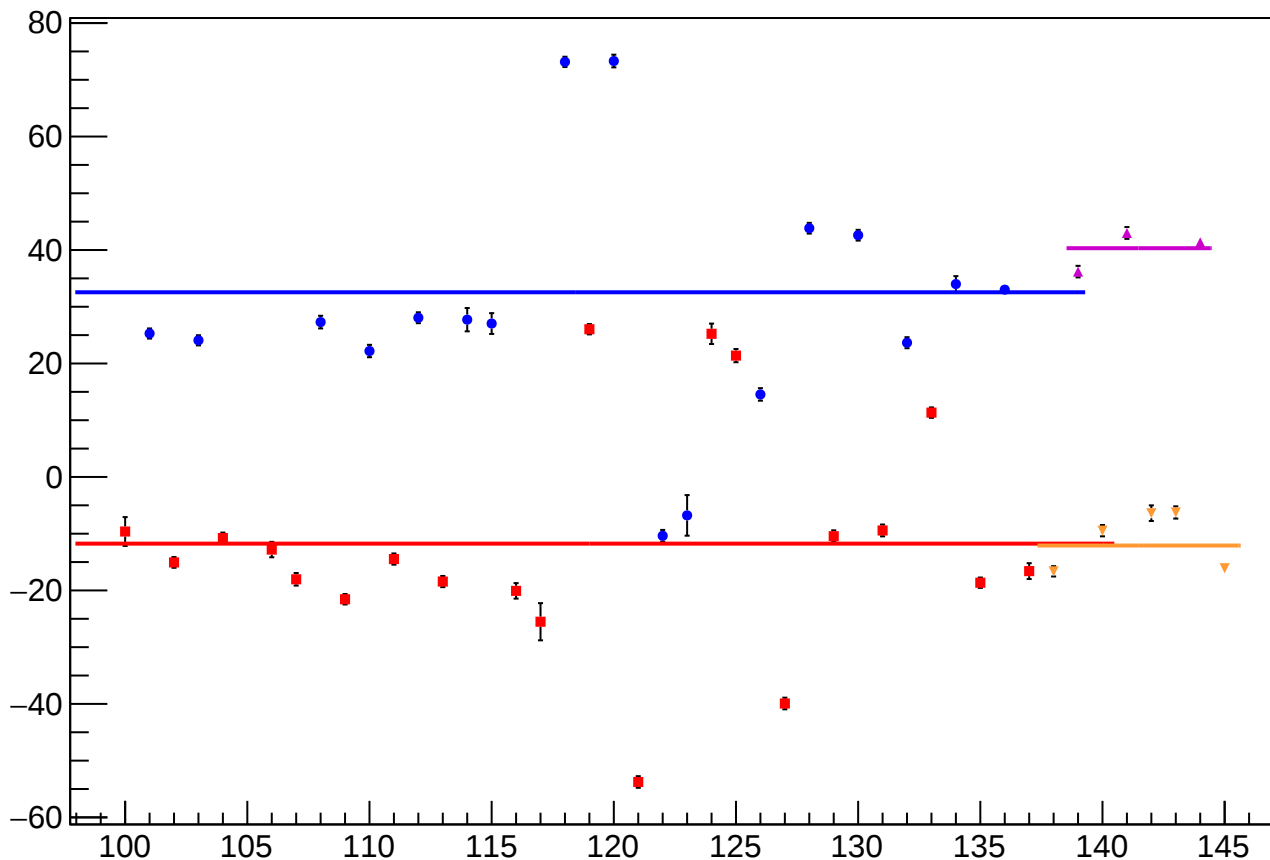
Right Out: 780.820 $\pm$ 0.206 χ^2 /NDF: 57445.6/19

Left In: 973.073 $\pm$ 0.446 χ^2 /NDF: 399.3/2

825.094 $\pm$ 0.185 χ^2 /NDF: 290674.5/21

814.707 $\pm$ 0.187 χ^2 /NDF: 211020.7/22

diff_bpm1i04Y_mean vs Slug



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

Left Out: -12.087 ± 0.454 χ^2/NDF : 98.2/4

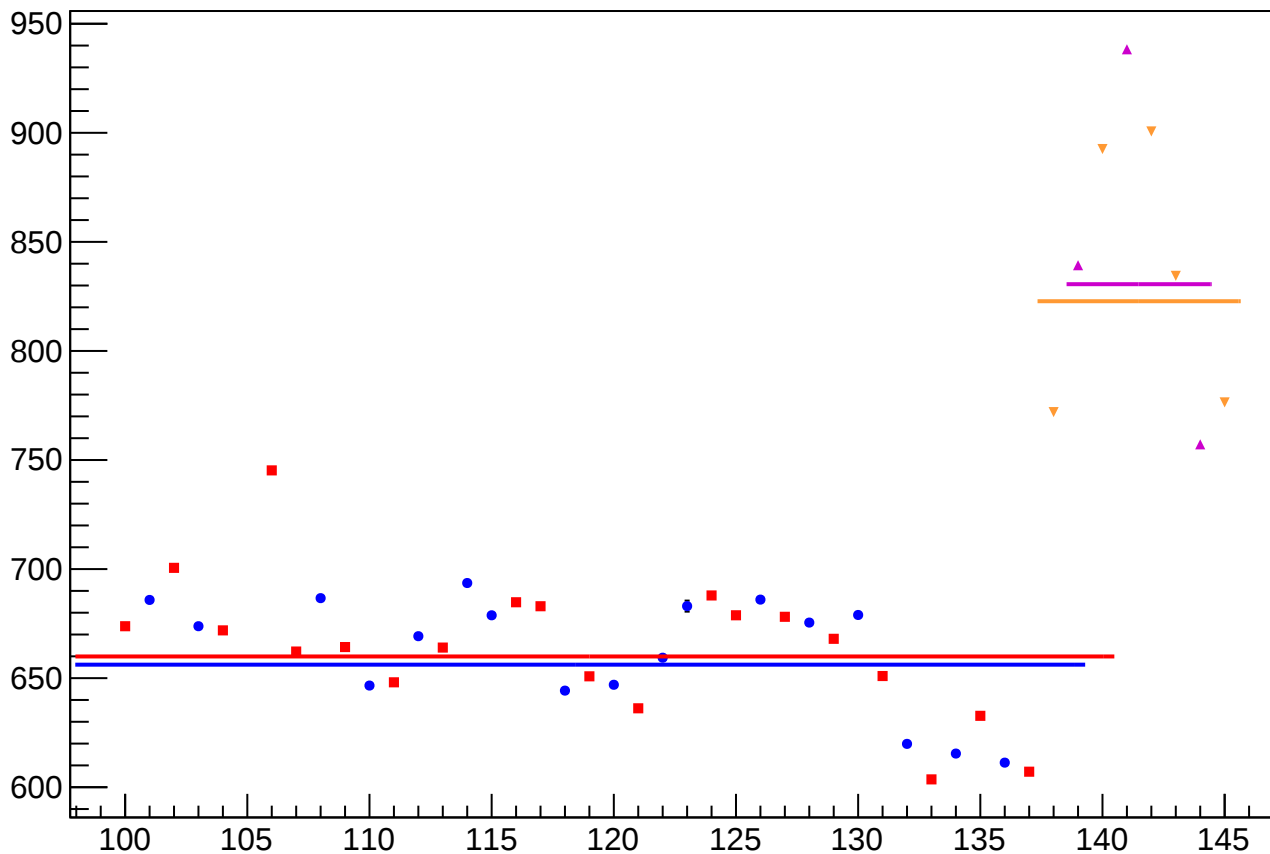
Right Out: -11.752 ± 0.246 χ^2/NDF : 6375.4/19

Left In: 40.320 ± 0.546 χ^2/NDF : 24.6/2

21.981 ± 0.221 χ^2/NDF : 13551.6/21

-2.961 ± 0.225 χ^2/NDF : 13946.3/22

diff_bpm1i04Y_rms vs Slug



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

Left Out: 822.795+/-0.321 χ^2/NDF : 28012.5/4

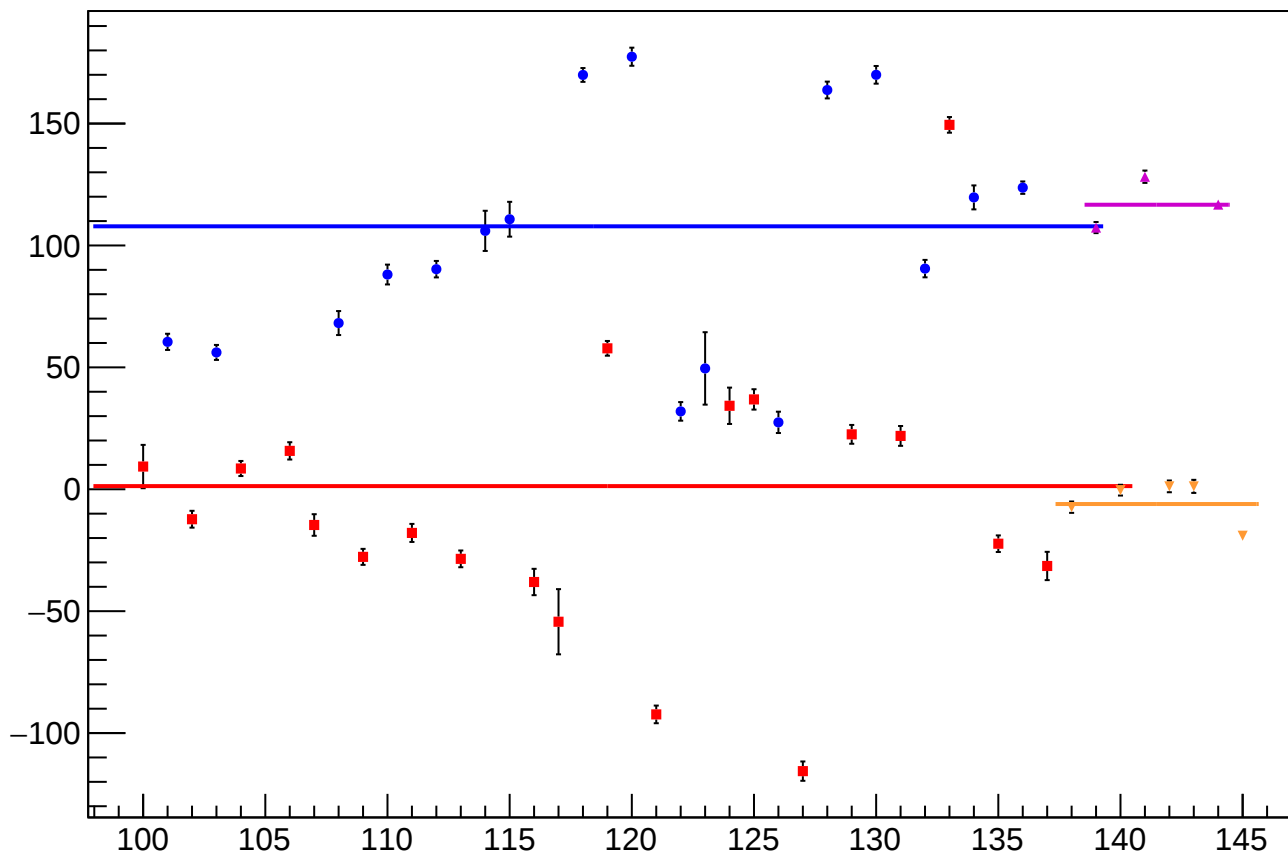
Right Out: 659.944+/-0.174 χ^2/NDF : 28425.0/19

Left In: 830.607+/-0.386 χ^2/NDF : 37272.4/2

695.639+/-0.156 χ^2/NDF : 257220.8/21

688.756+/-0.159 χ^2/NDF : 227821.5/22

diff_bpm1i06X_mean vs Slug



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

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

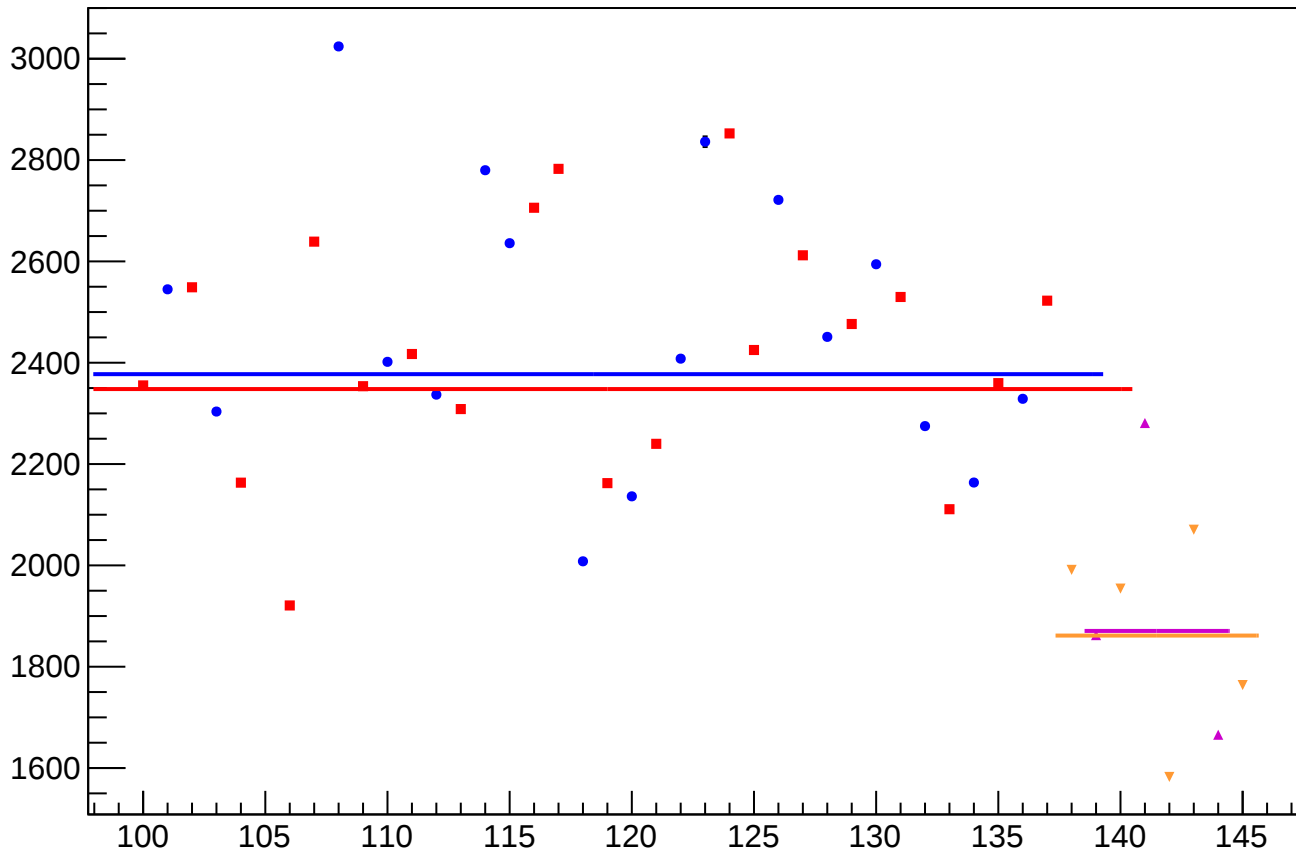
Right Out: 1.299 ± 0.881 χ^2/NDF : 4541.1/19

Left In: 116.705 ± 1.238 χ^2/NDF : 37.5/2

57.204 ± 0.687 χ^2/NDF : 9666.5/21

40.131 ± 0.718 χ^2/NDF : 10347.4/22

diff_bpm1i06X_rms vs Slug



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

Left Out: 1861.475+/-0.728 χ^2/NDF : 53191.9/4

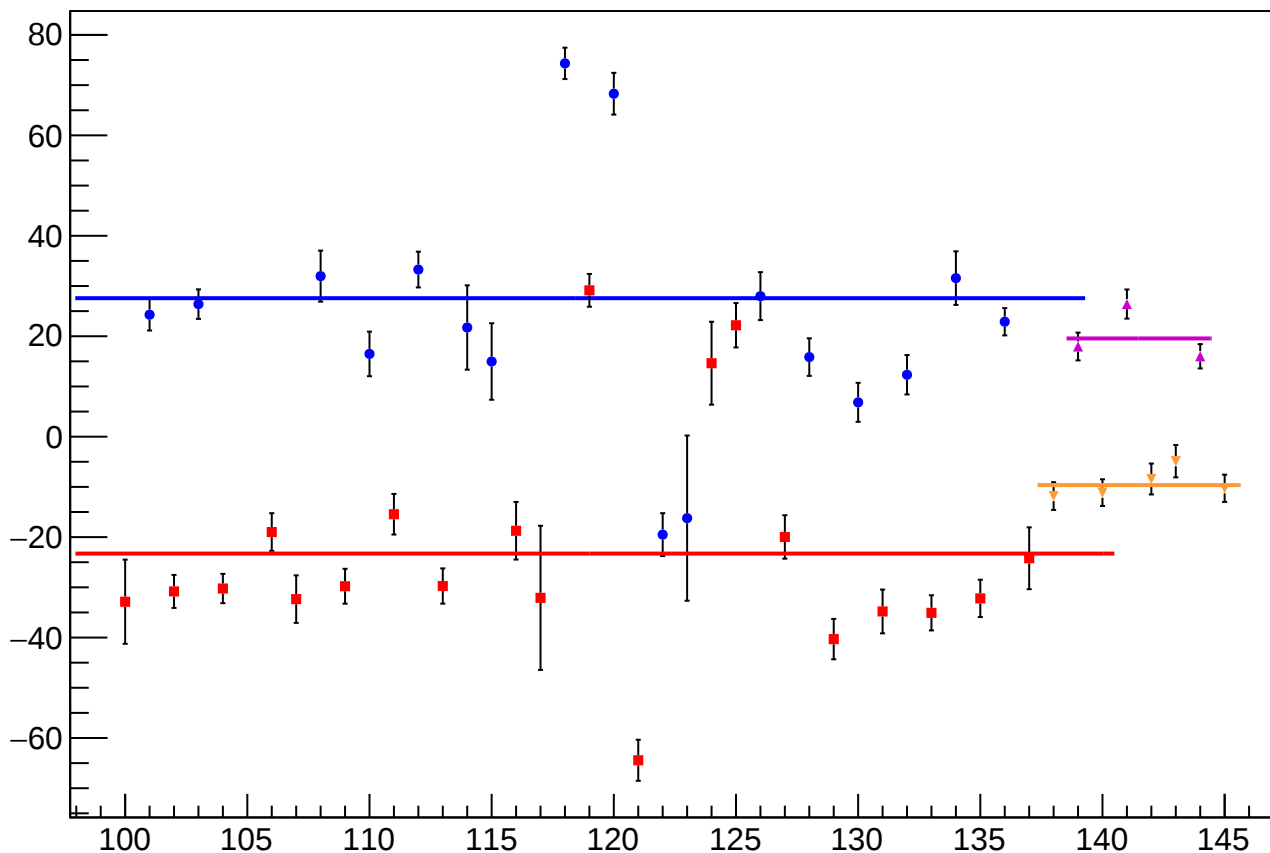
2147.999+/-0.486 χ^2/NDF : 451612.8/21

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

2187.387+/-0.508 χ^2/NDF : 385824.2/22

Left In: 1870.639+/-0.875 χ^2/NDF : 78027.7/2

diff_bpm1i06Y_mean vs Slug



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

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

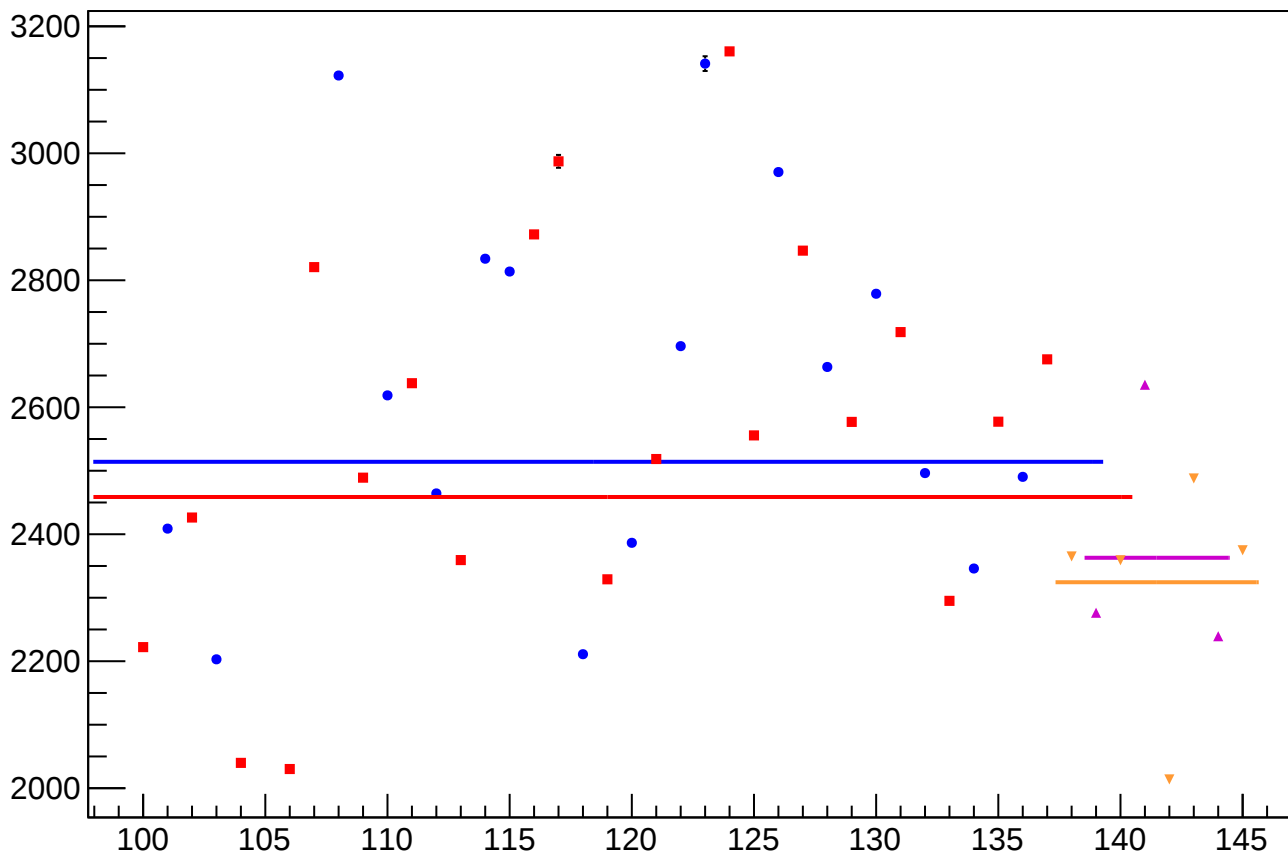
Right Out: -23.280+/-0.925 χ^2/NDF : 558.2/19

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

13.918+/-0.776 χ^2/NDF : 1057.9/21

-11.966+/-0.794 χ^2/NDF : 1132.7/22

diff_bpm1i06Y_rms vs Slug



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

Left Out: 2324.407+/-0.905 χ^2/NDF : 26942.8/4

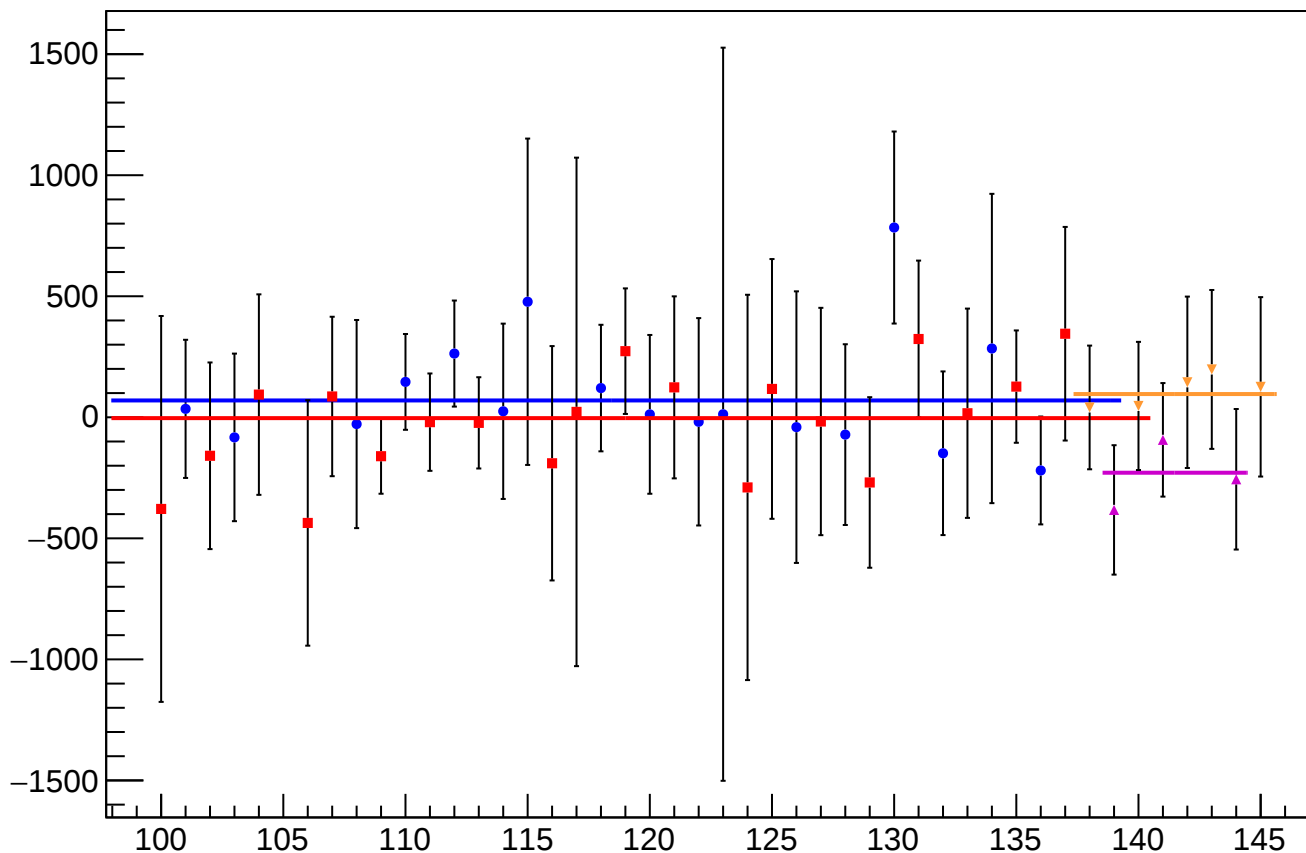
Right Out: 2458.665+/-0.654 χ^2/NDF : 152458.1/19

Left In: 2362.938+/-1.092 χ^2/NDF : 24788.7/2

2444.475+/-0.548 χ^2/NDF : 175697.8/21

2433.381+/-0.561 χ^2/NDF : 182903.7/22

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

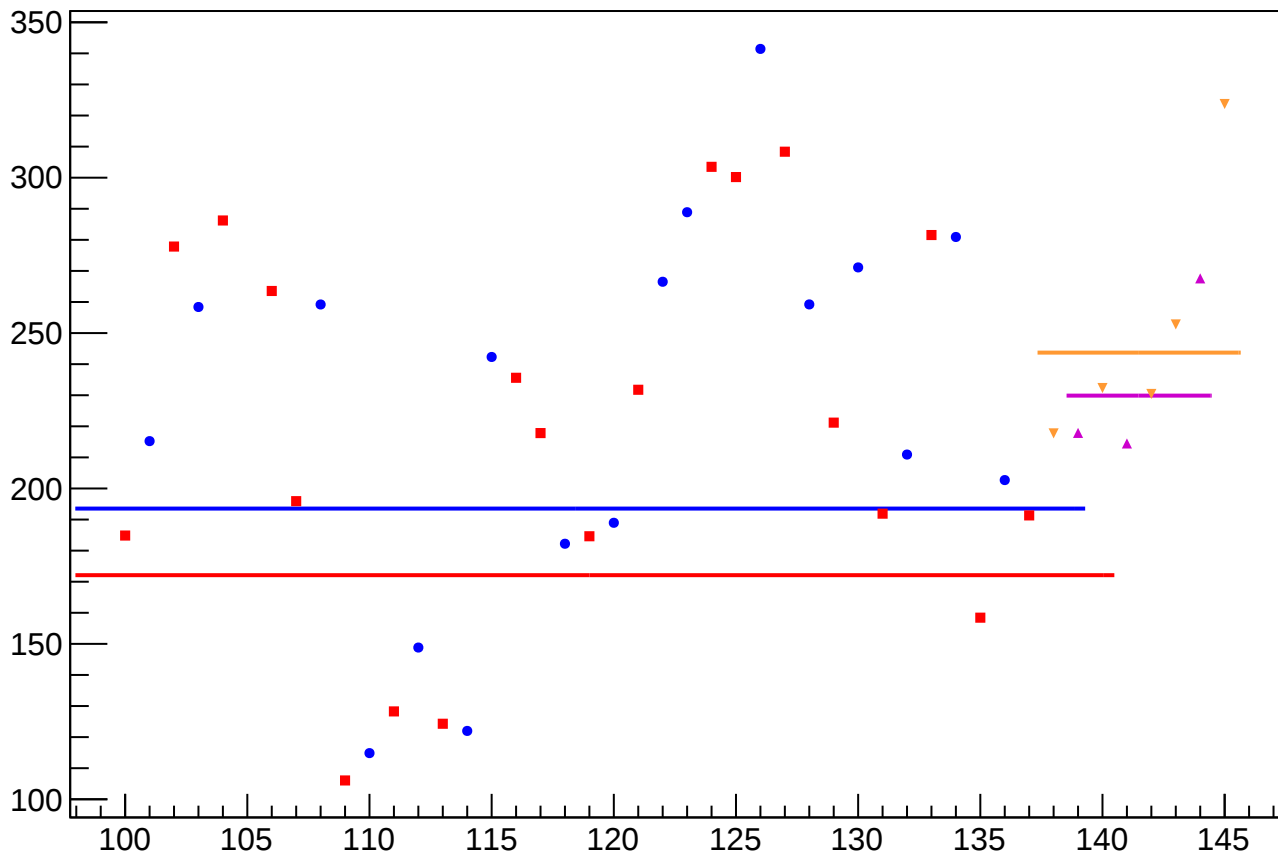
Right Out: -3.448 $\pm$ 69.825 χ^2 /NDF: 6.4/19

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

76.264 $\pm$ 68.315 χ^2 /NDF: 7.6/21

-43.320 $\pm$ 63.353 χ^2 /NDF: 8.9/22

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



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

Left Out: 243.717+/-0.096 χ^2/NDF :121949.8/4

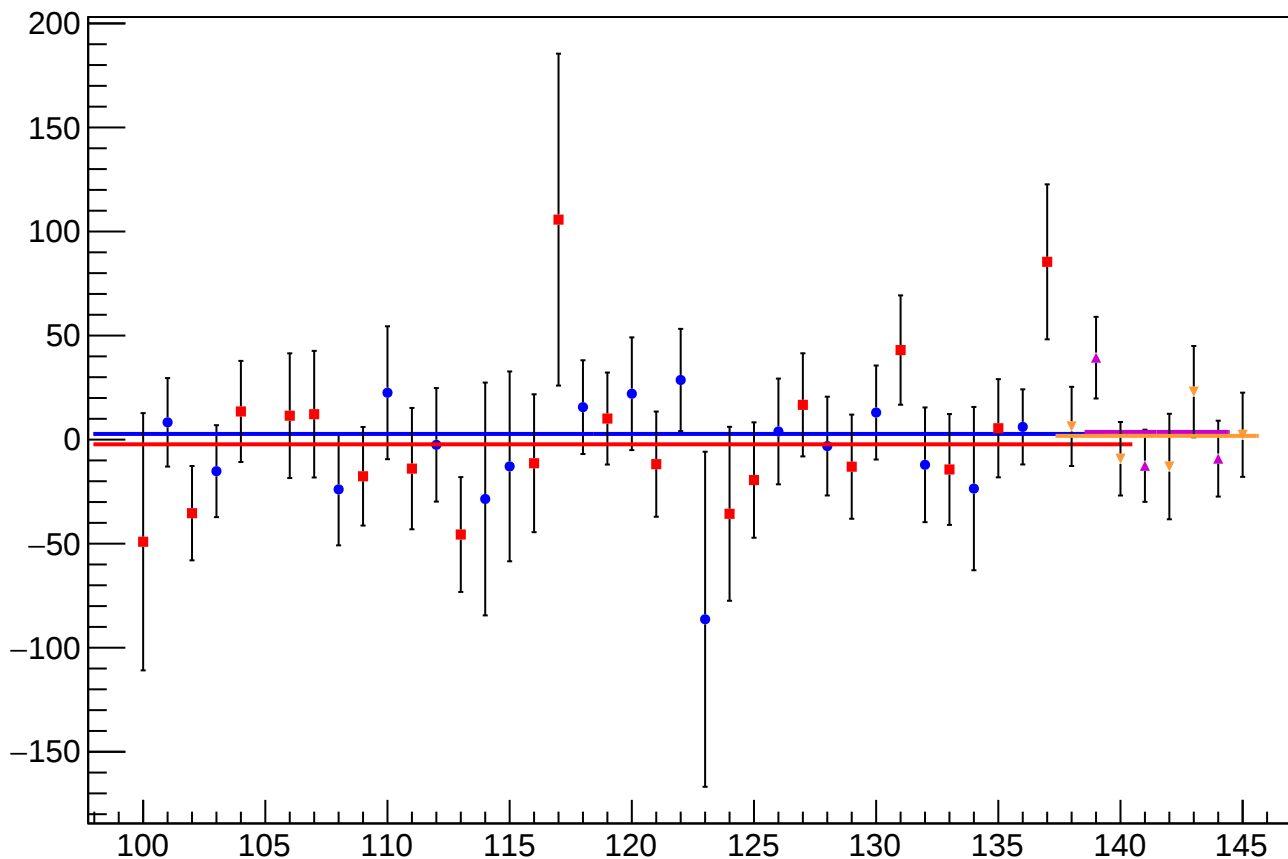
Right Out: 172.104+/-0.049 χ^2/NDF : 1580690.9/19

Left In: 229.878+/-0.107 χ^2/NDF :46424.5/2

206.212+/-0.048 χ^2/NDF : 1336159.8/21

182.318+/-0.045 χ^2/NDF : 1869186.6/22

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.733 ± 6.424 $\chi^2/\text{NDF}: 6.8/16$

Left Out: 1.797 ± 9.112 $\chi^2/\text{NDF}: 1.7/4$

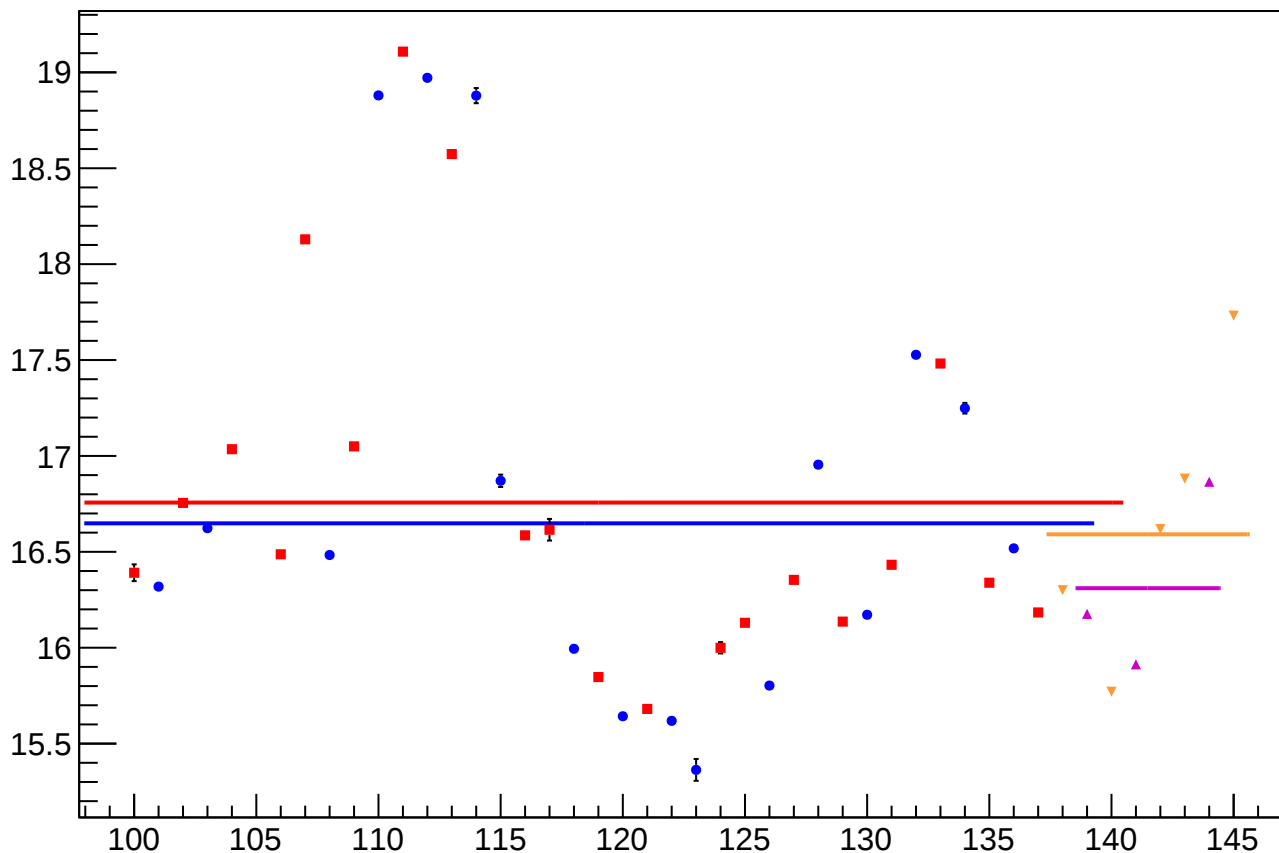
Right Out: -2.259 ± 6.259 $\chi^2/\text{NDF}: 19.6/19$

Left In: 3.685 ± 10.577 $\chi^2/\text{NDF}: 4.7/2$

2.423 ± 5.251 $\chi^2/\text{NDF}: 8.5/21$

-0.717 ± 5.387 $\chi^2/\text{NDF}: 24.5/22$

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.649+/-0.005 χ^2/NDF : 42566.9/16

Left Out: 16.591+/-0.006 χ^2/NDF : 11485.7/4

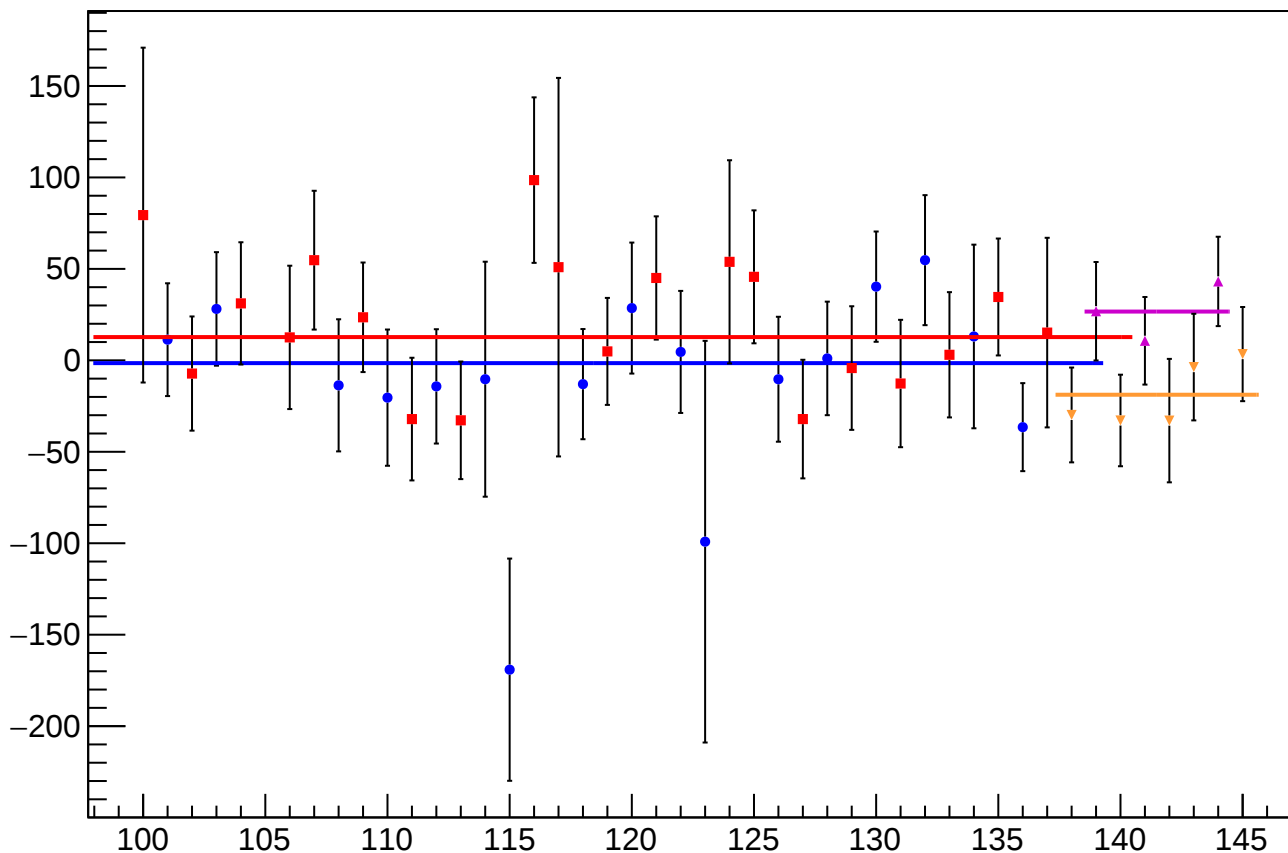
Right Out: 16.757+/-0.004 χ^2/NDF : 39957.1/19

Left In: 16.310+/-0.007 χ^2/NDF : 2997.5/2

16.630+/-0.004 χ^2/NDF : 54105.3/21

16.641+/-0.004 χ^2/NDF : 45593.9/22

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.523 ± 8.485 $\chi^2/\text{NDF}: 17.6/16$

Left Out: -18.806 ± 12.263 $\chi^2/\text{NDF}: 1.7/4$

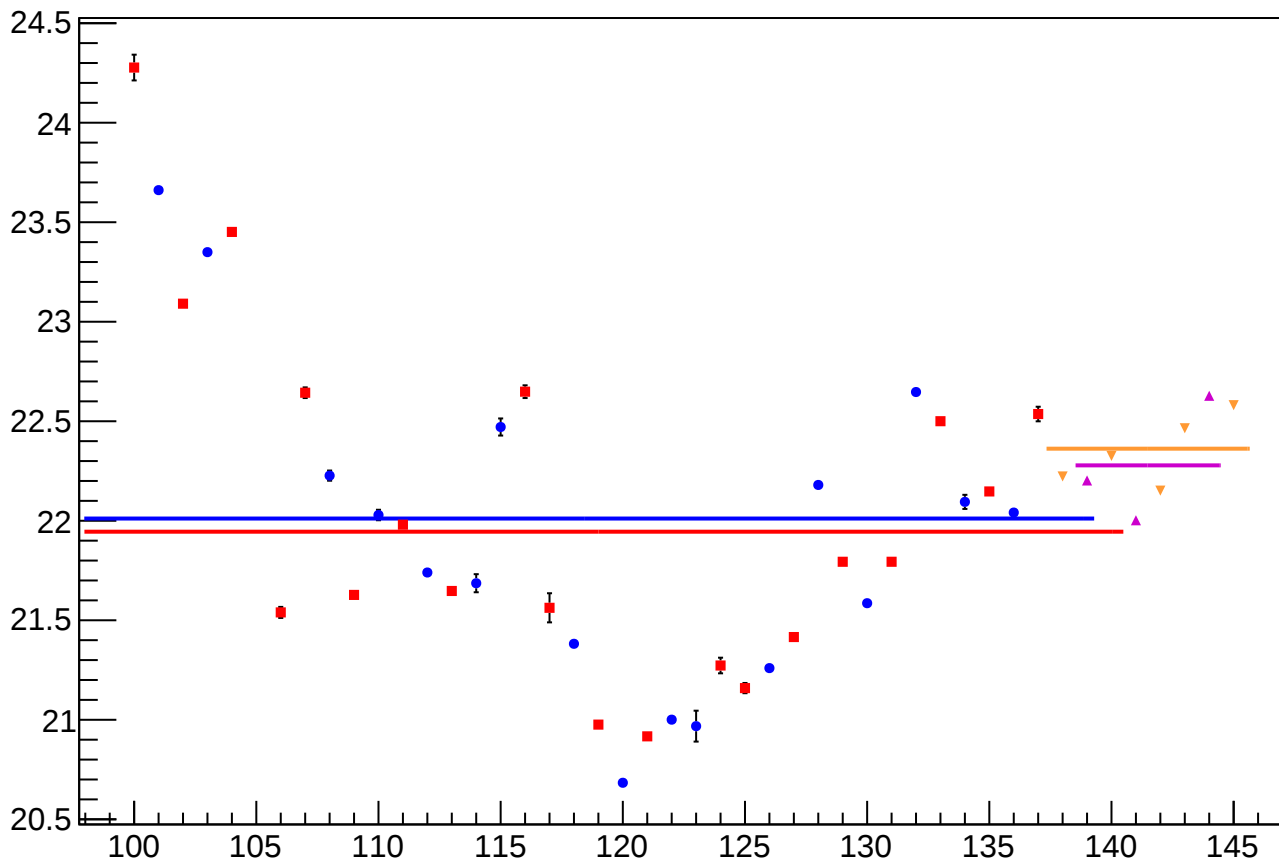
Right Out: 12.716 ± 8.185 $\chi^2/\text{NDF}: 15.7/19$

Left In: 26.666 ± 14.434 $\chi^2/\text{NDF}: 0.9/2$

-7.119 ± 6.978 $\chi^2/\text{NDF}: 20.7/21$

16.110 ± 7.120 $\chi^2/\text{NDF}: 17.3/22$

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 22.011 $\pm$ 0.006 χ^2/NDF : 17546.9/16

Left Out: 22.362 $\pm$ 0.009 χ^2/NDF : 309.2/4

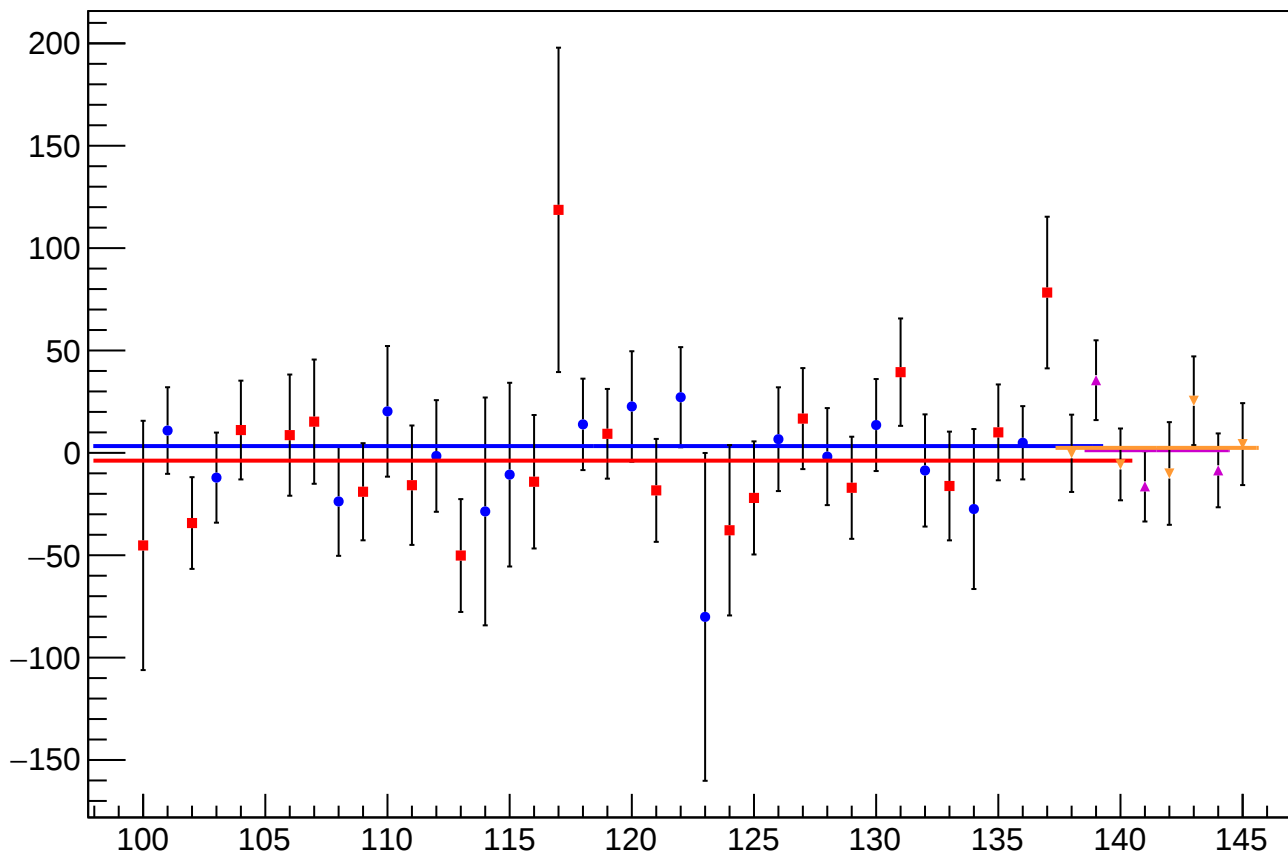
Right Out: 21.945 $\pm$ 0.006 χ^2/NDF : 16620.2/19

Left In: 22.278 $\pm$ 0.010 χ^2/NDF : 690.9/2

22.125 $\pm$ 0.005 χ^2/NDF : 18964.0/21

22.026 $\pm$ 0.005 χ^2/NDF : 18117.9/22

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.317 $\pm$ 6.388 χ^2 /NDF: 6.3/16

Left Out: 2.438 $\pm$ 9.025 χ^2 /NDF: 1.6/4

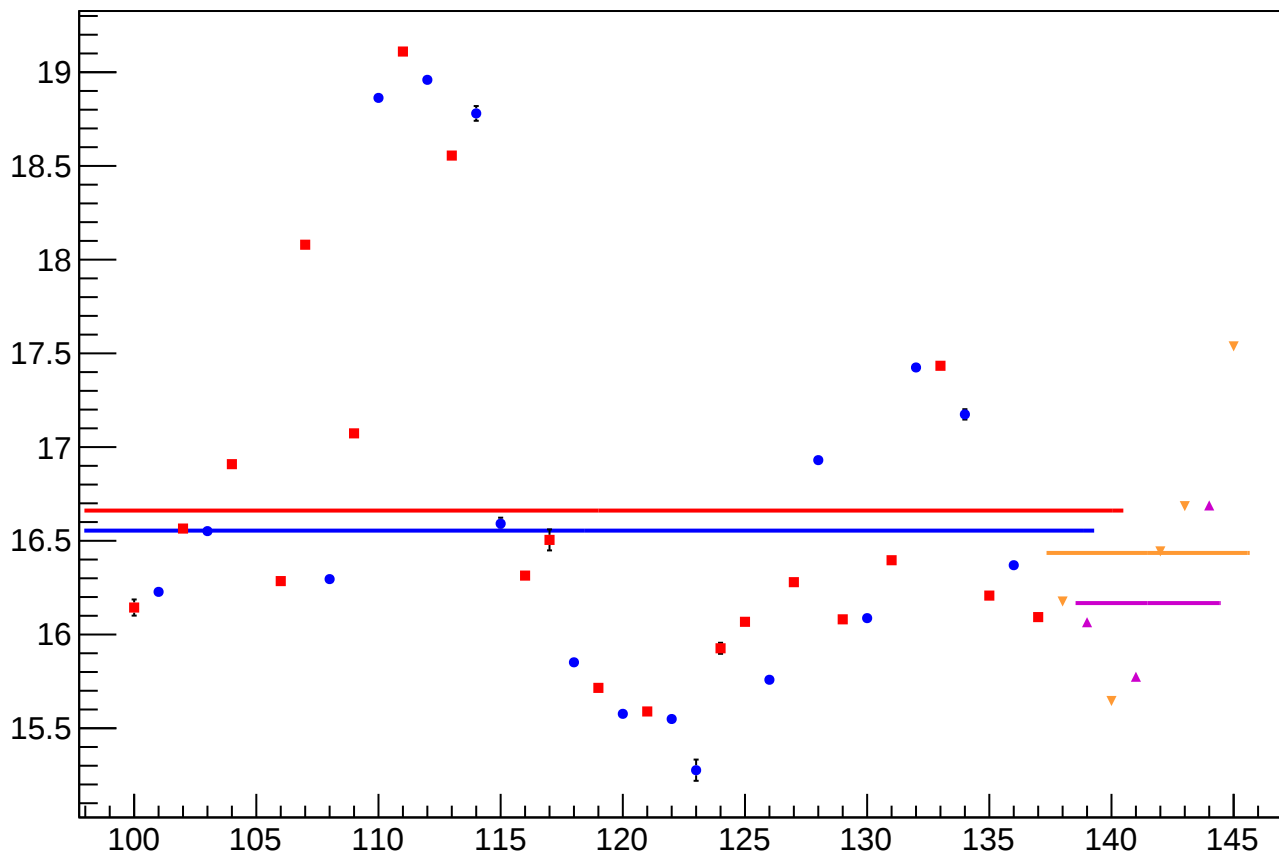
Right Out: -3.800 $\pm$ 6.224 χ^2 /NDF: 20.1/19

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

3.023 $\pm$ 5.214 χ^2 /NDF: 7.9/21

-2.471 $\pm$ 5.352 χ^2 /NDF: 24.7/22

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

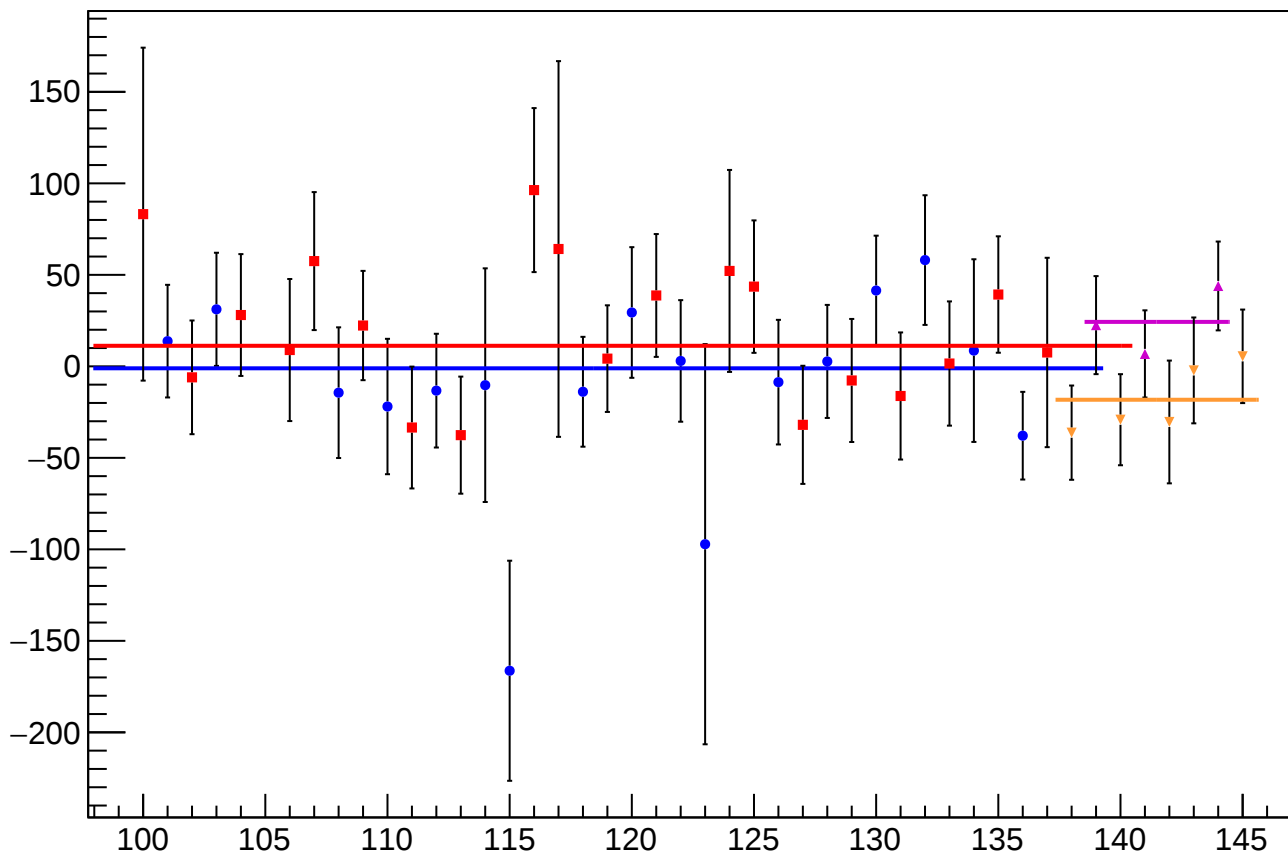
Right Out: 16.661 $\pm$ 0.004 χ^2 /NDF: 43071.4/19

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

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

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

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



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

Left Out: -18.252+/-12.183 χ^2/NDF : 2.0/4

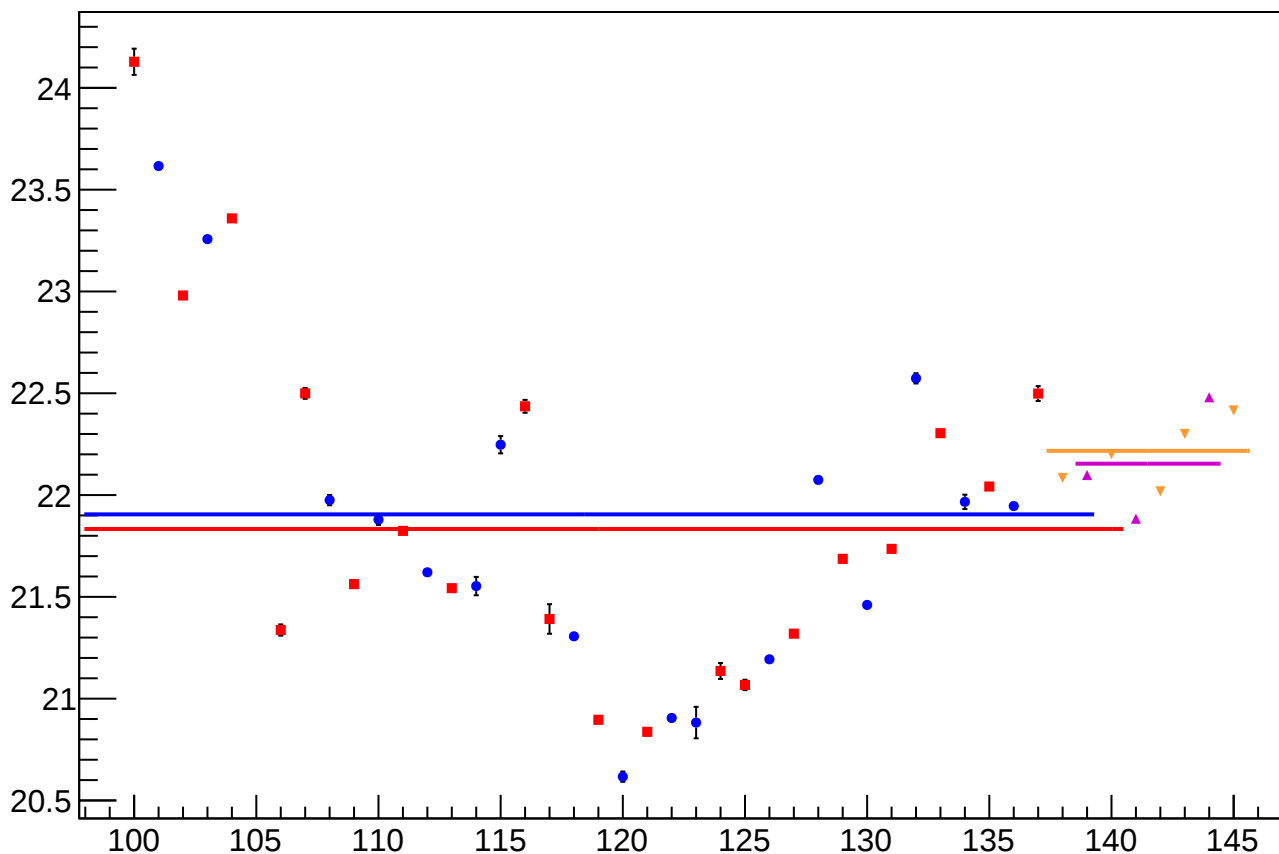
Right Out: 11.235+/-8.143 χ^2/NDF : 16.5/19

Left In: 24.296+/-14.353 χ^2/NDF : 1.2/2

-6.645+/-6.940 χ^2/NDF : 21.8/21

14.415+/-7.082 χ^2/NDF : 18.3/22

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



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

Left Out: 22.217±/0.009 χ^2/NDF : 261.8/4

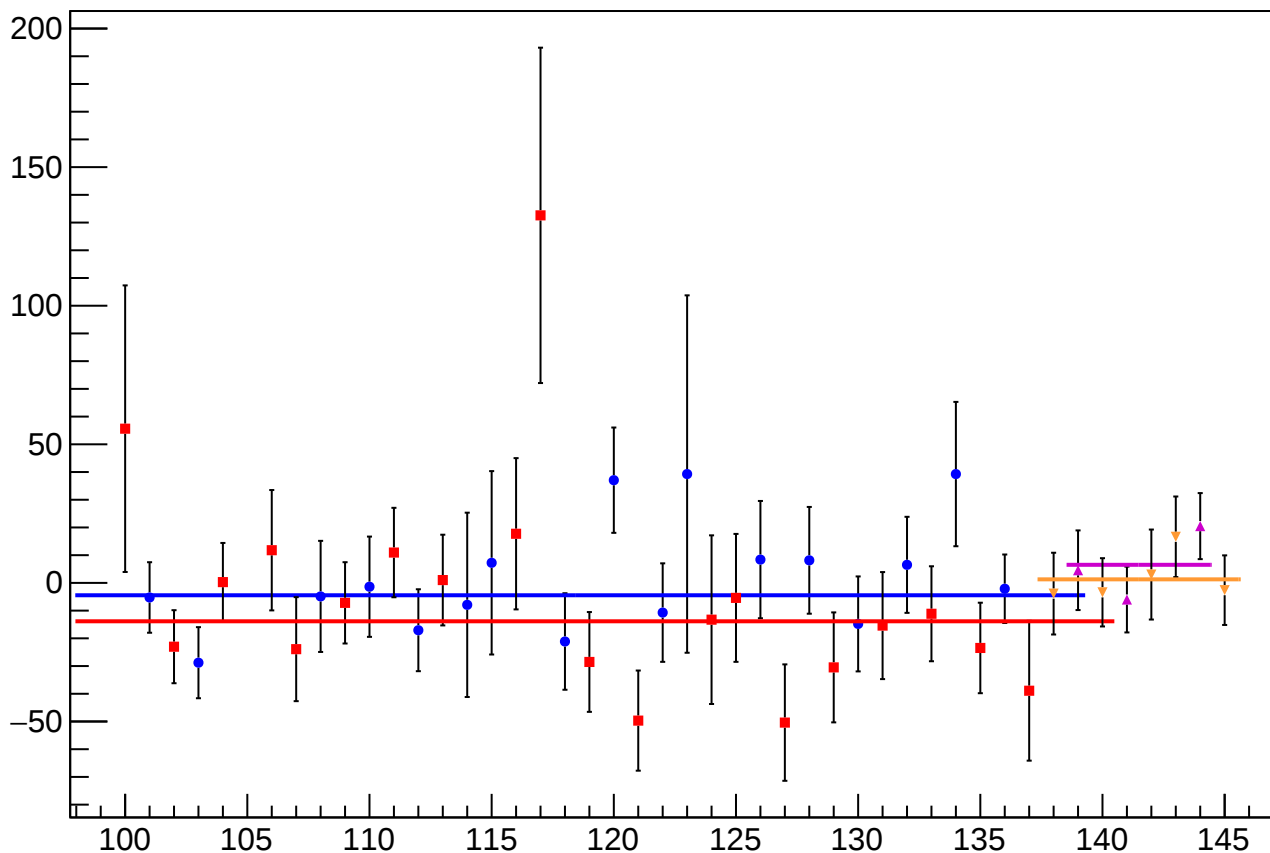
Right Out: 21.833±/0.006 χ^2/NDF : 16288.5/19

Left In: 22.154±/0.010 χ^2/NDF : 627.3/2

22.006±/0.005 χ^2/NDF : 18942.0/21

21.911±/0.005 χ^2/NDF : 17671.2/22

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



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

Left Out: 1.280 ± 6.194 χ^2/NDF : 1.5/4

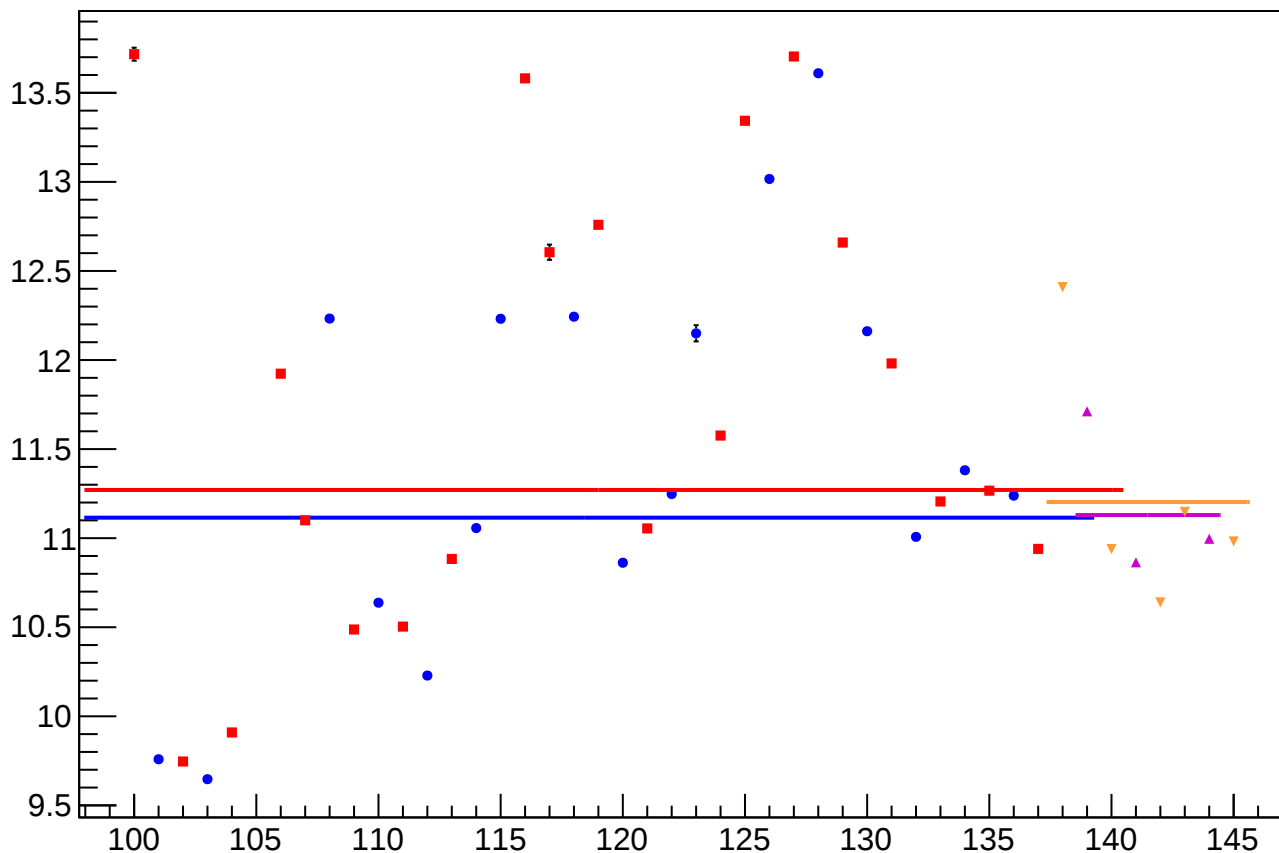
Right Out: -13.851 ± 4.253 χ^2/NDF : 25.4/19

Left In: 6.525 ± 7.258 χ^2/NDF : 2.5/2

-2.577 ± 3.548 χ^2/NDF : 17.3/21

-8.642 ± 3.670 χ^2/NDF : 33.8/22

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: 11.203 $\pm$ 0.004 χ^2 /NDF:17359.7/4

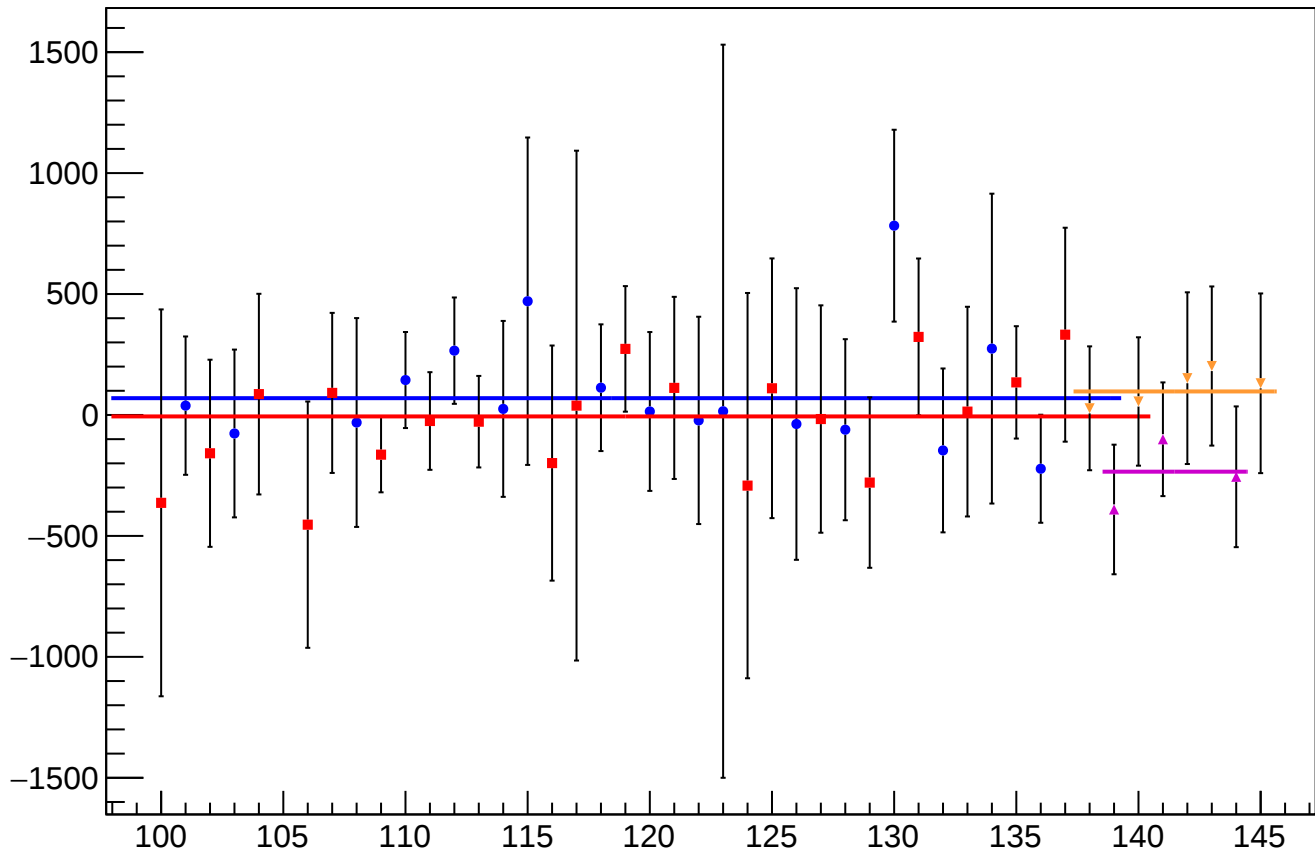
Right Out: 11.271 $\pm$ 0.003 χ^2 /NDF: 148461.6/19

Left In: 11.130 $\pm$ 0.005 χ^2 /NDF:4534.4/2

11.144 $\pm$ 0.003 χ^2 /NDF: 150689.1/21

11.235 $\pm$ 0.003 χ^2 /NDF: 153556.0/22

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



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

Left Out: 97.257 ± 136.236 χ^2/NDF : 0.2/4

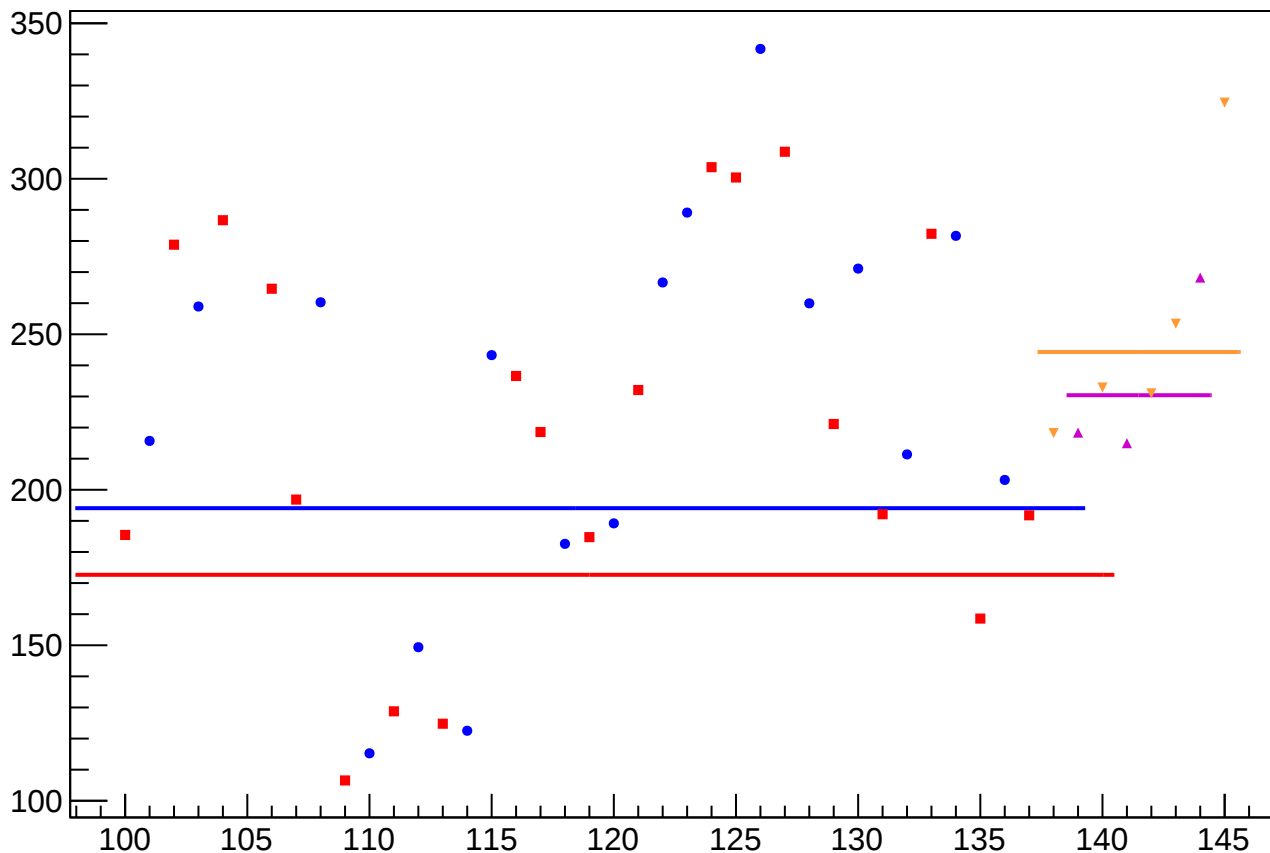
Right Out: -5.996 ± 70.027 χ^2/NDF : 6.5/19

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

76.493 ± 68.491 χ^2/NDF : 7.5/21

-46.423 ± 63.530 χ^2/NDF : 9.0/22

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.082+/-0.056 χ^2/NDF : 1005395.7/16

Left Out: 244.298+/-0.096 χ^2/NDF :121996.9/4

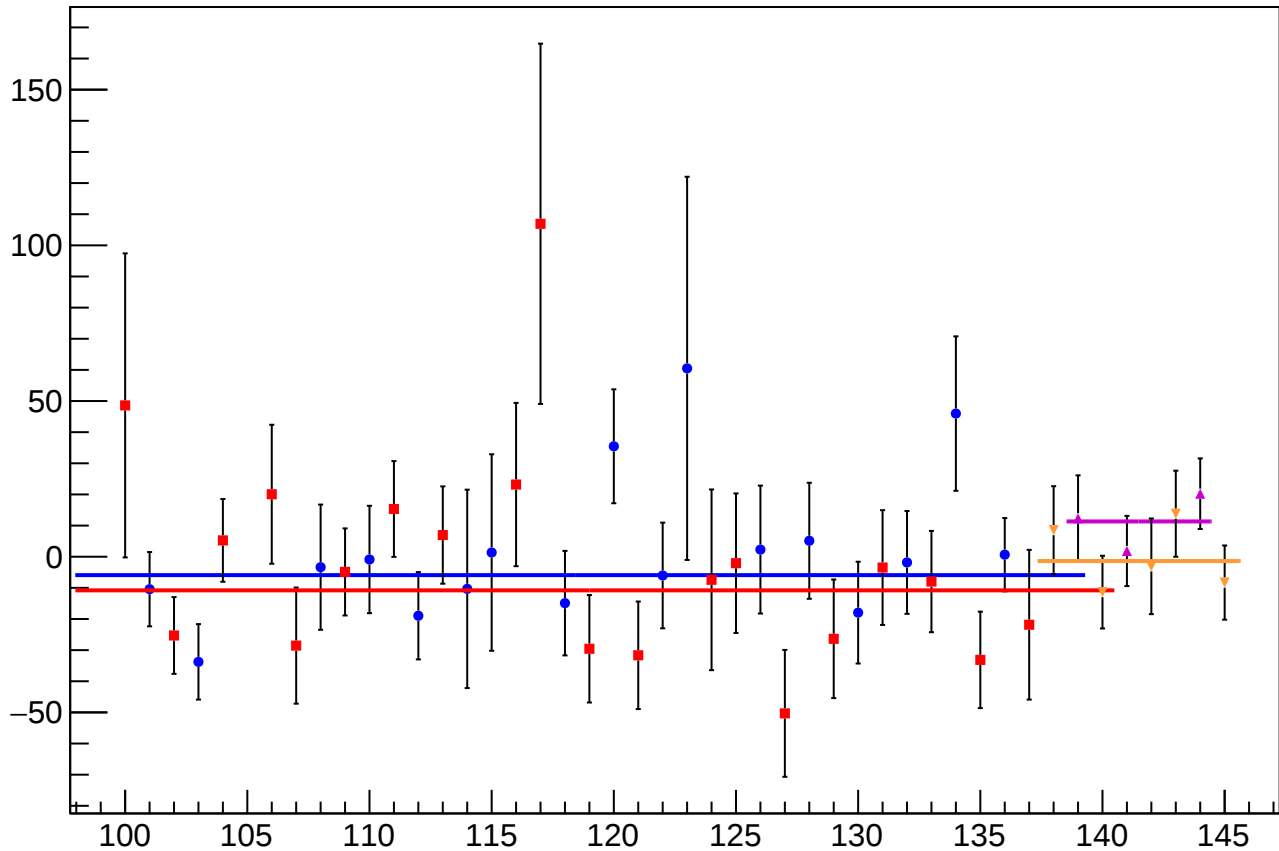
206.773+/-0.048 χ^2/NDF : 1330443.8/21

Right Out: 172.655+/-0.050 χ^2/NDF : 1573277.0/19

182.875+/-0.045 χ^2/NDF : 1860447.8/22

Left In: 230.406+/-0.107 χ^2/NDF :46460.7/2

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



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

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

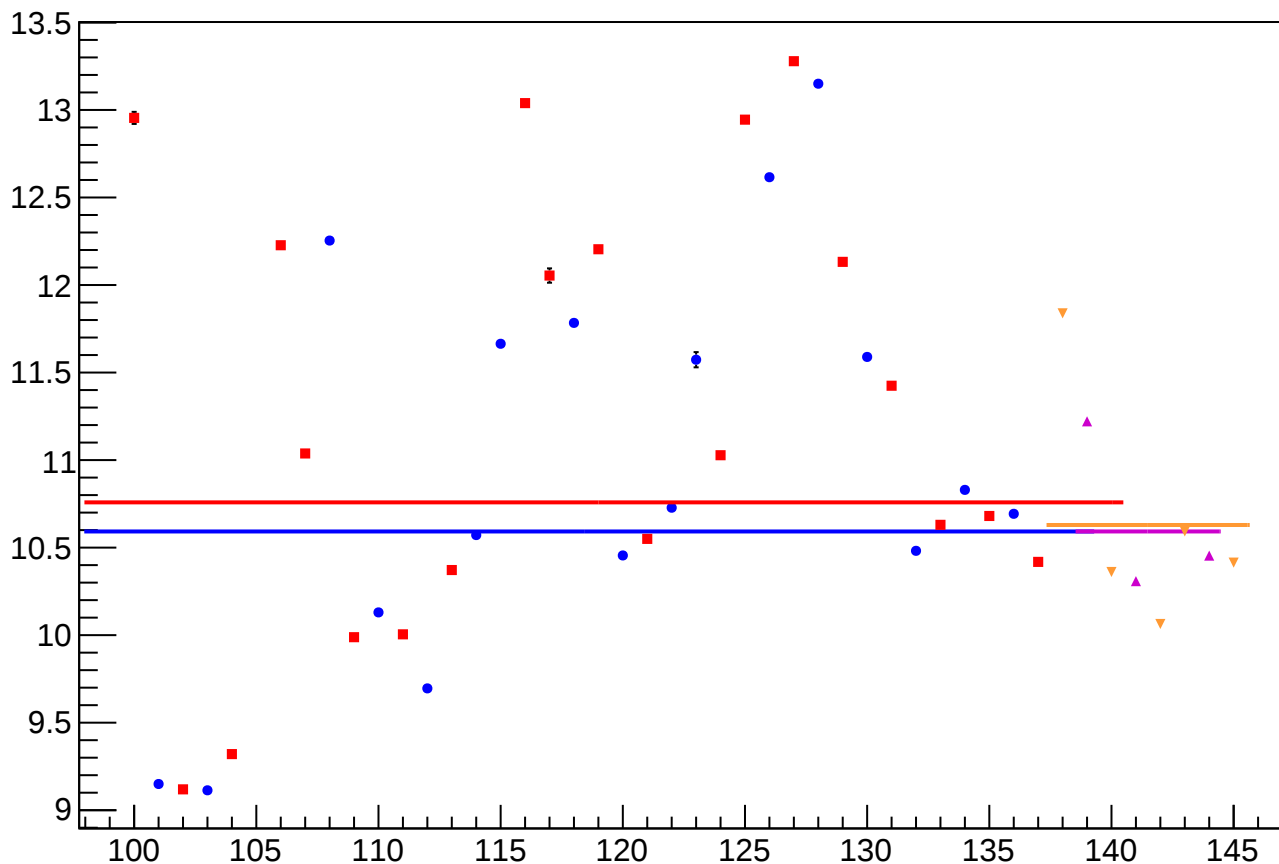
Right Out: -10.806 $\pm$ 4.068 χ^2/NDF : 27.0/19

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

-4.416 $\pm$ 3.382 χ^2/NDF : 22.0/21

-5.115 $\pm$ 3.507 χ^2/NDF : 36.0/22

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: 10.629+/-0.004 χ^2/NDF : 19110.9/4

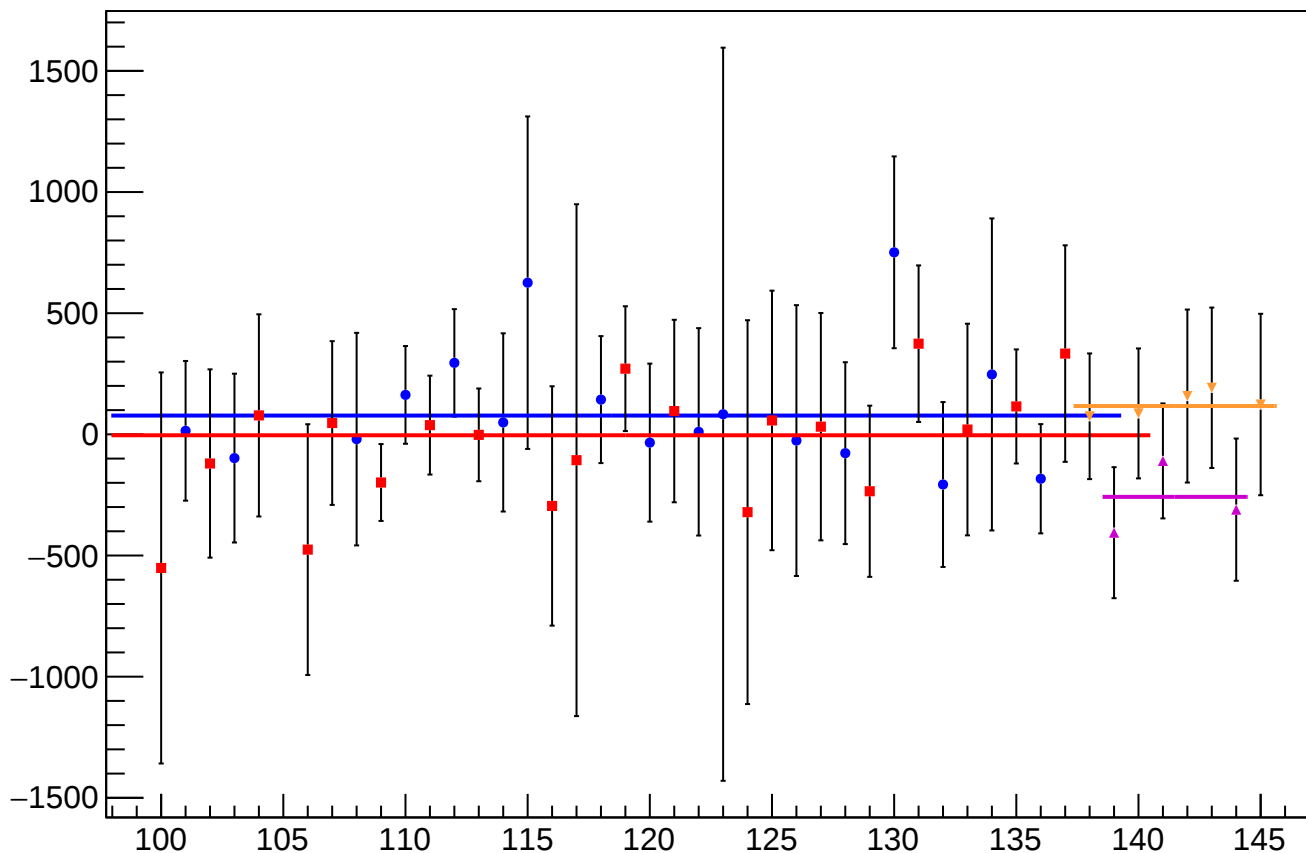
10.604+/-0.002 χ^2/NDF : 179561.7/21

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

10.716+/-0.002 χ^2/NDF : 184488.4/22

Left In: 10.592+/-0.005 χ^2/NDF : 5727.6/2

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: 116.935 $\pm$ 137.511 χ^2 /NDF: 0.1/4

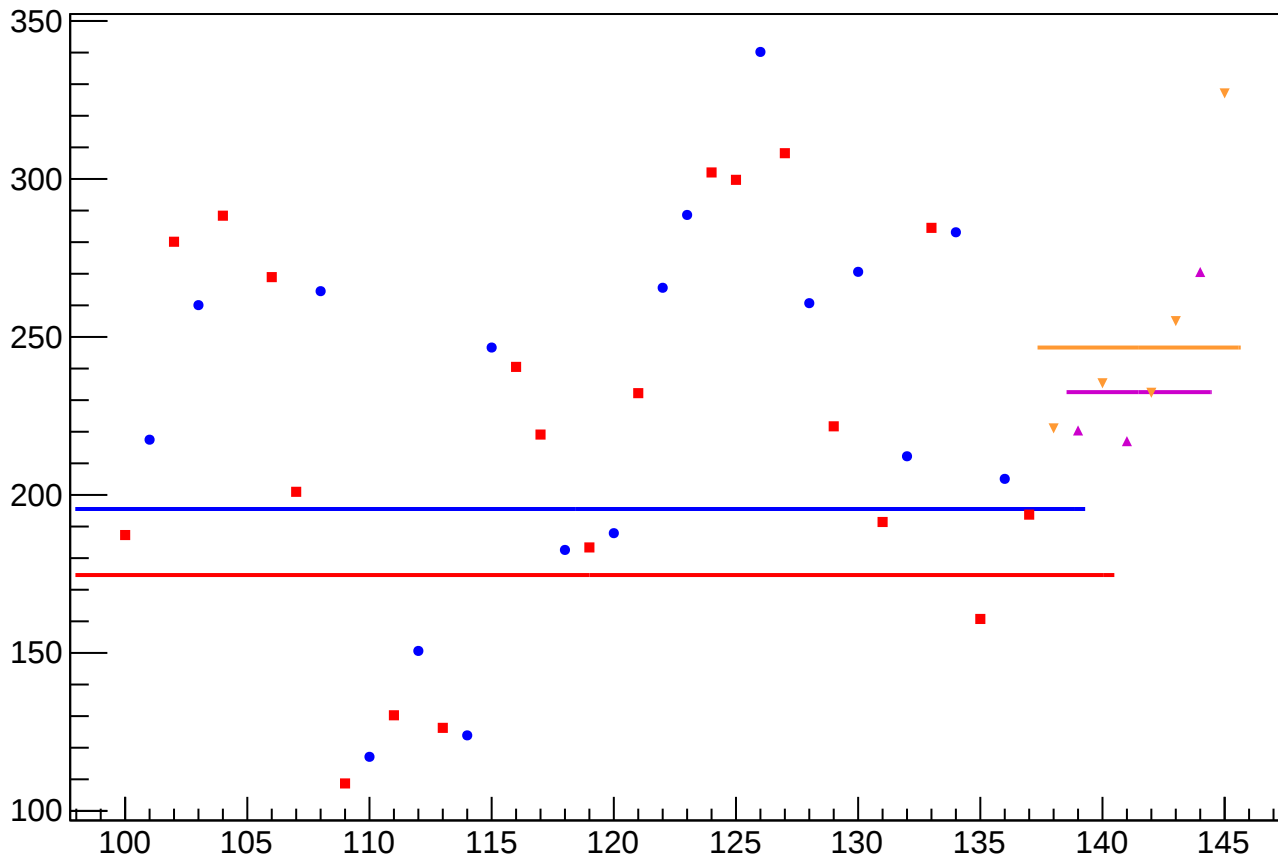
Right Out: -3.768 $\pm$ 70.696 χ^2 /NDF: 7.4/19

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

87.492 $\pm$ 68.988 χ^2 /NDF: 7.7/21

-48.782 $\pm$ 64.131 χ^2 /NDF: 10.4/22

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: 246.652+/-0.097 χ^2/NDF : 119826.1/4

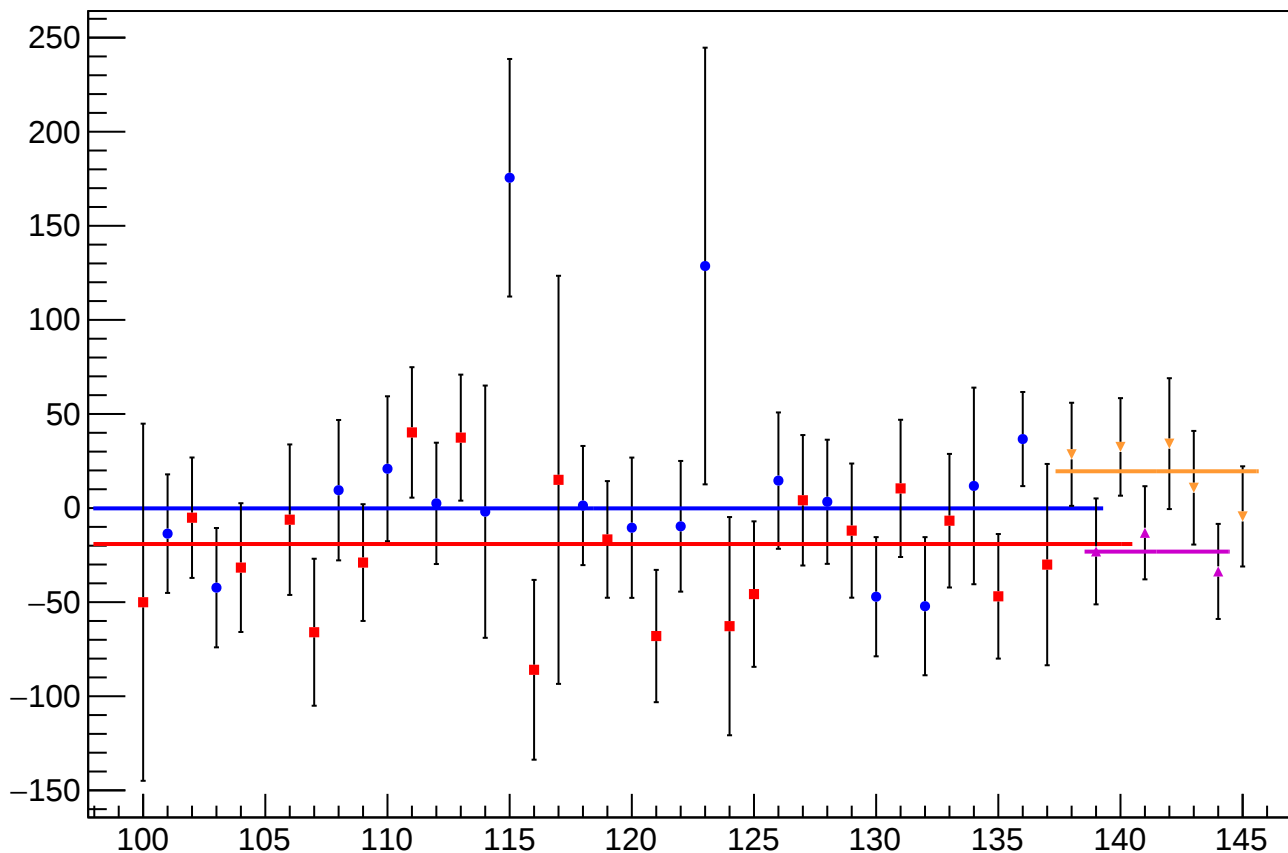
Right Out: 174.649+/-0.050 χ^2/NDF : 1532189.1/19

Left In: 232.539+/-0.108 χ^2/NDF : 46155.9/2

208.413+/-0.049 χ^2/NDF : 1306437.8/21

184.901+/-0.045 χ^2/NDF : 1815836.8/22

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -0.158 ± 8.826 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 19.551 ± 12.746 $\chi^2/\text{NDF}: 1.4/4$

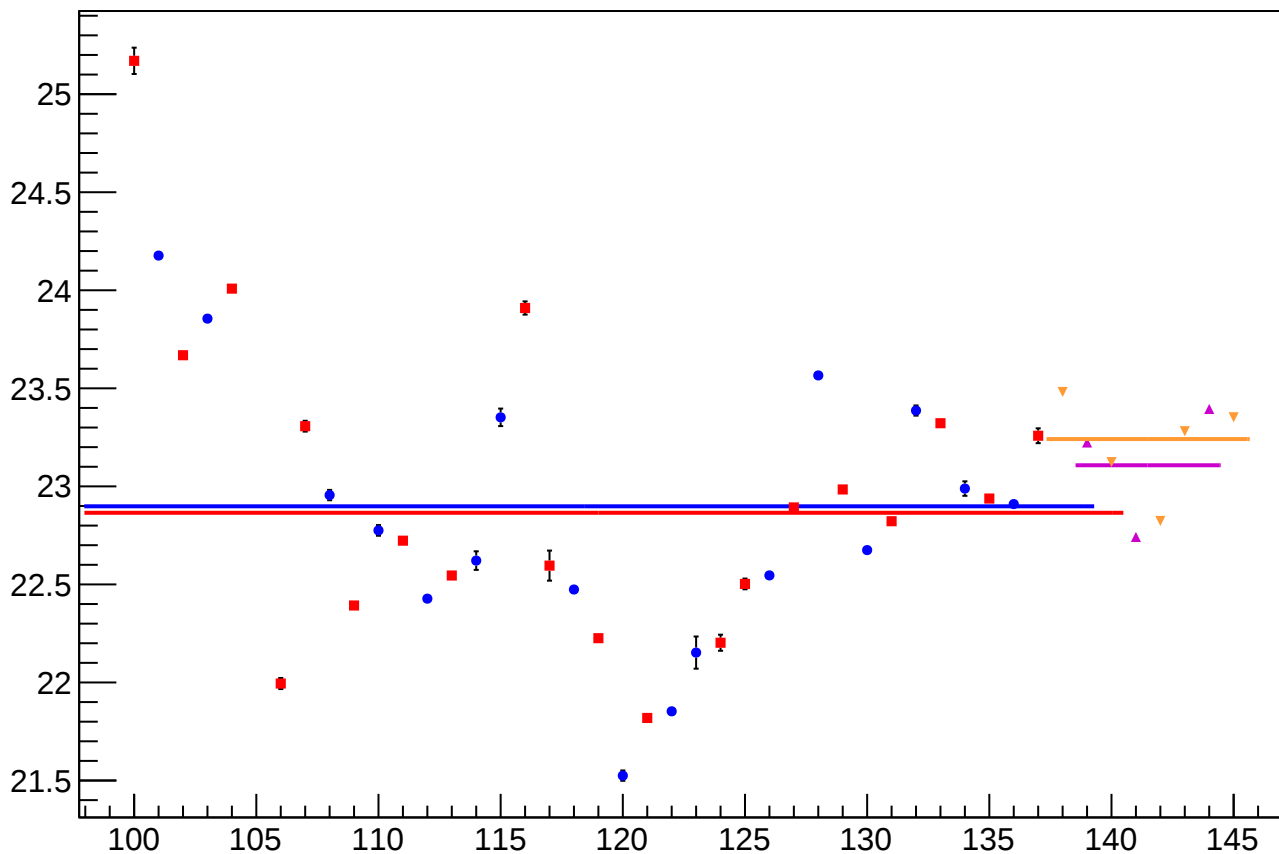
Right Out: -19.104 ± 8.527 $\chi^2/\text{NDF}: 14.9/19$

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

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

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

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: 23.241 $\pm$ 0.009 χ^2 /NDF: 521.5/4

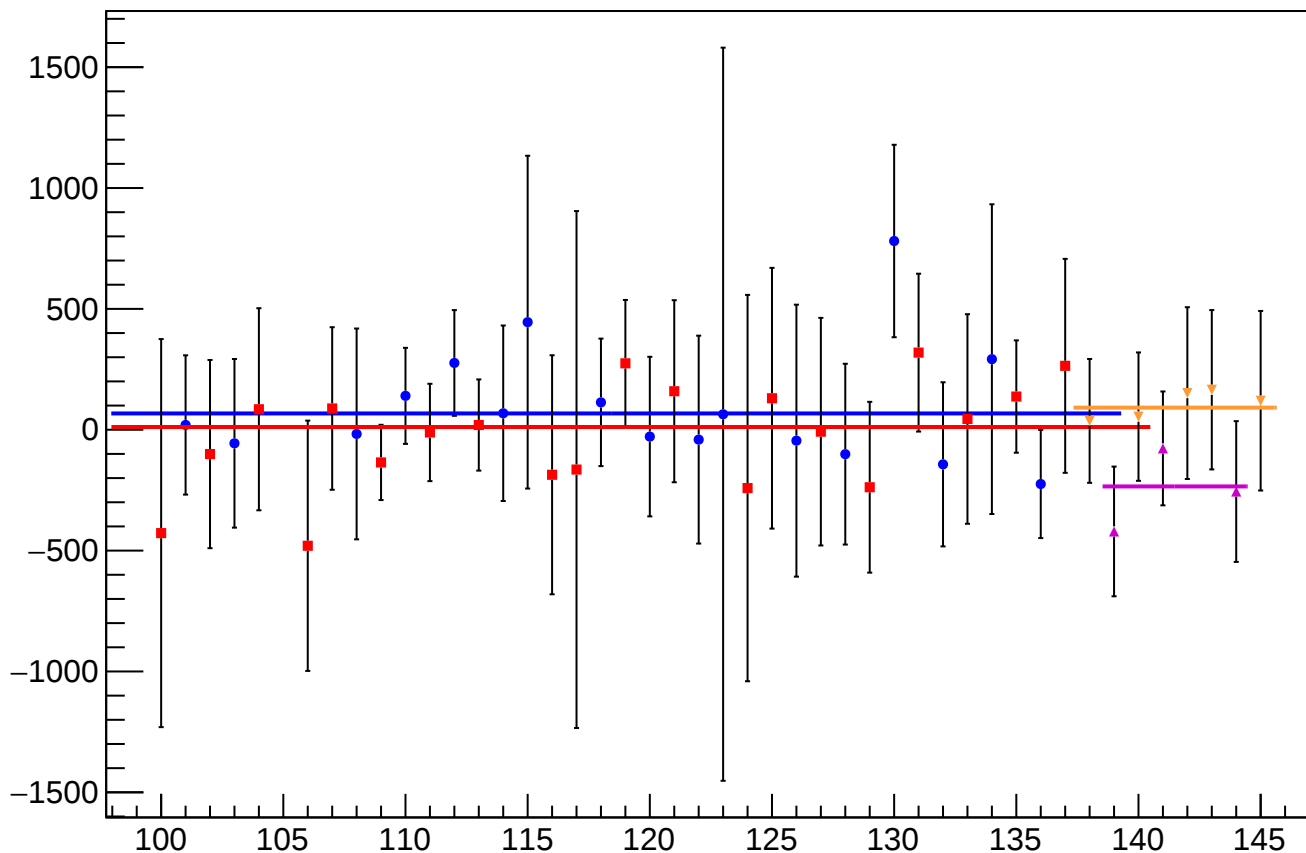
Right Out: 22.865 $\pm$ 0.006 χ^2 /NDF: 11060.8/19

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

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

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

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.449+/-79.404 χ^2/NDF : 7.4/16

Left Out: 91.484+/-136.348 χ^2/NDF : 0.2/4

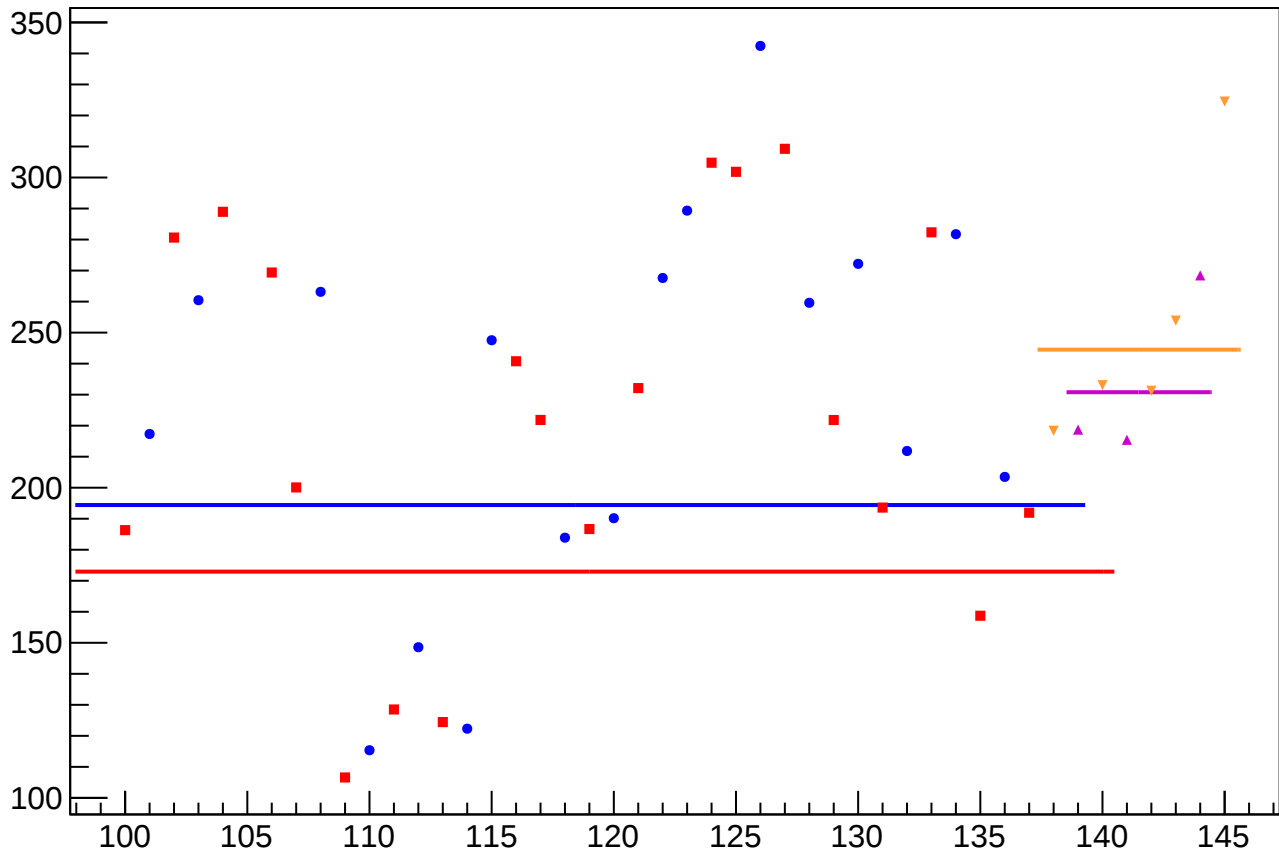
Right Out: 11.355+/-70.203 χ^2/NDF : 5.8/19

Left In: -234.510+/-151.255 χ^2/NDF : 0.9/2

73.536+/-68.617 χ^2/NDF : 7.6/21

-32.222+/-63.679 χ^2/NDF : 8.9/22

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: 244.507 $\pm$ 0.096 χ^2/NDF :121723.2/4

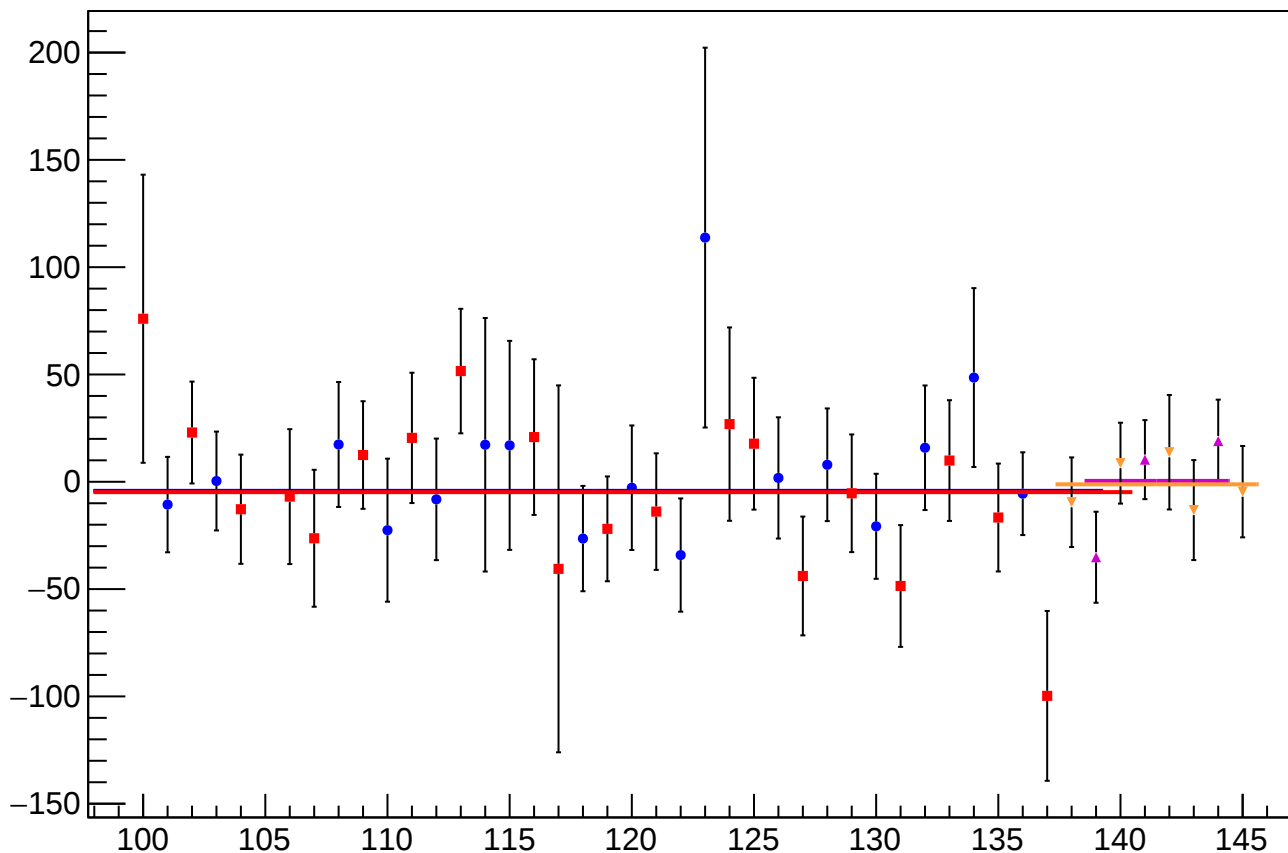
Right Out: 172.942 $\pm$ 0.050 χ^2/NDF : 1600959.1/19

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

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

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

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.223 ± 6.871 $\chi^2/\text{NDF}: 8.0/16$

Left Out: -1.180 ± 9.730 $\chi^2/\text{NDF}: 1.0/4$

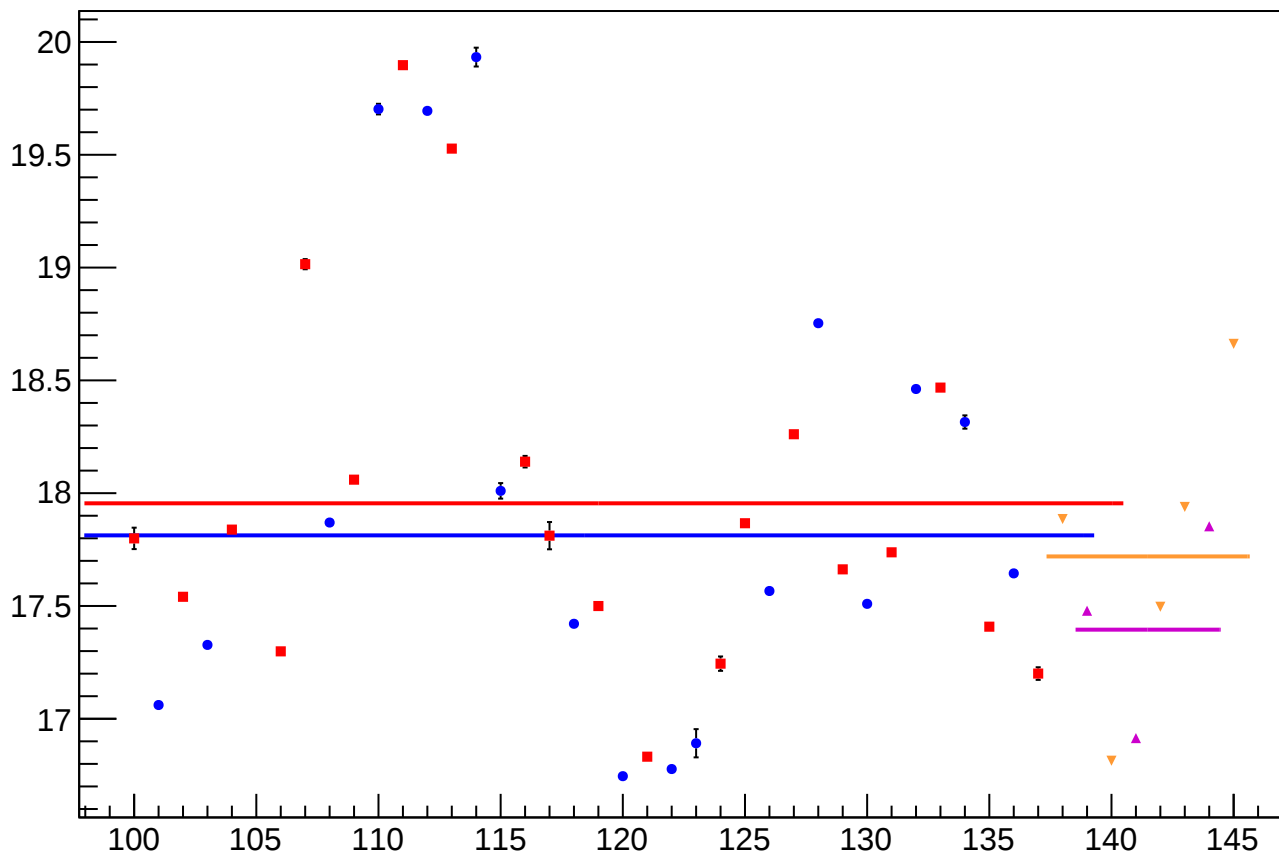
Right Out: -4.820 ± 6.704 $\chi^2/\text{NDF}: 21.3/19$

Left In: 0.417 ± 11.280 $\chi^2/\text{NDF}: 4.0/2$

-3.210 ± 5.613 $\chi^2/\text{NDF}: 9.1/21$

-3.453 ± 5.763 $\chi^2/\text{NDF}: 25.4/22$

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: 17.720 ± 0.007 χ^2/NDF : 8977.0/4

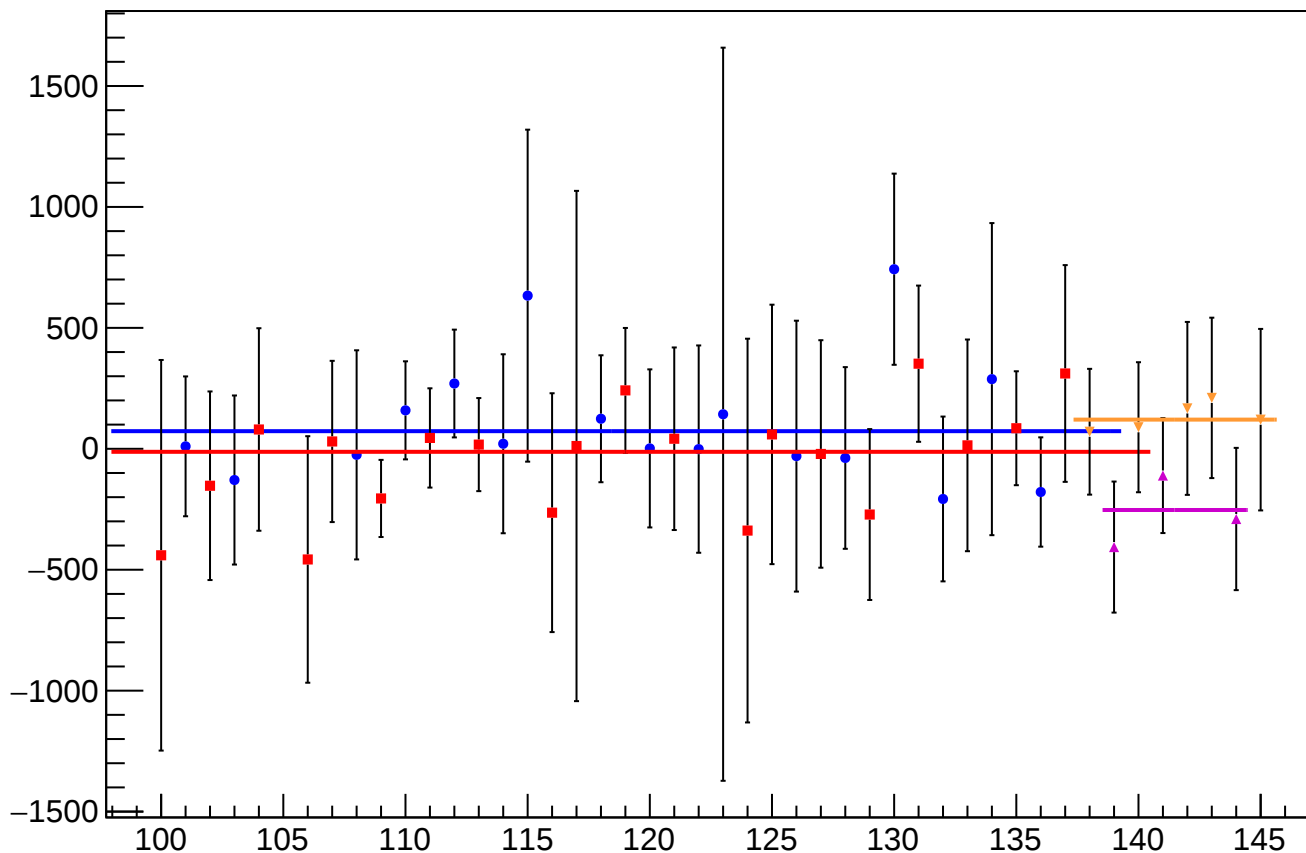
Right Out: 17.955 ± 0.005 χ^2/NDF : 25451.0/19

Left In: 17.395 ± 0.008 χ^2/NDF : 2522.2/2

17.782 ± 0.004 χ^2/NDF : 41134.6/21

17.809 ± 0.004 χ^2/NDF : 31616.4/22

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: 120.676+/-137.822 χ^2/NDF : 0.1/4

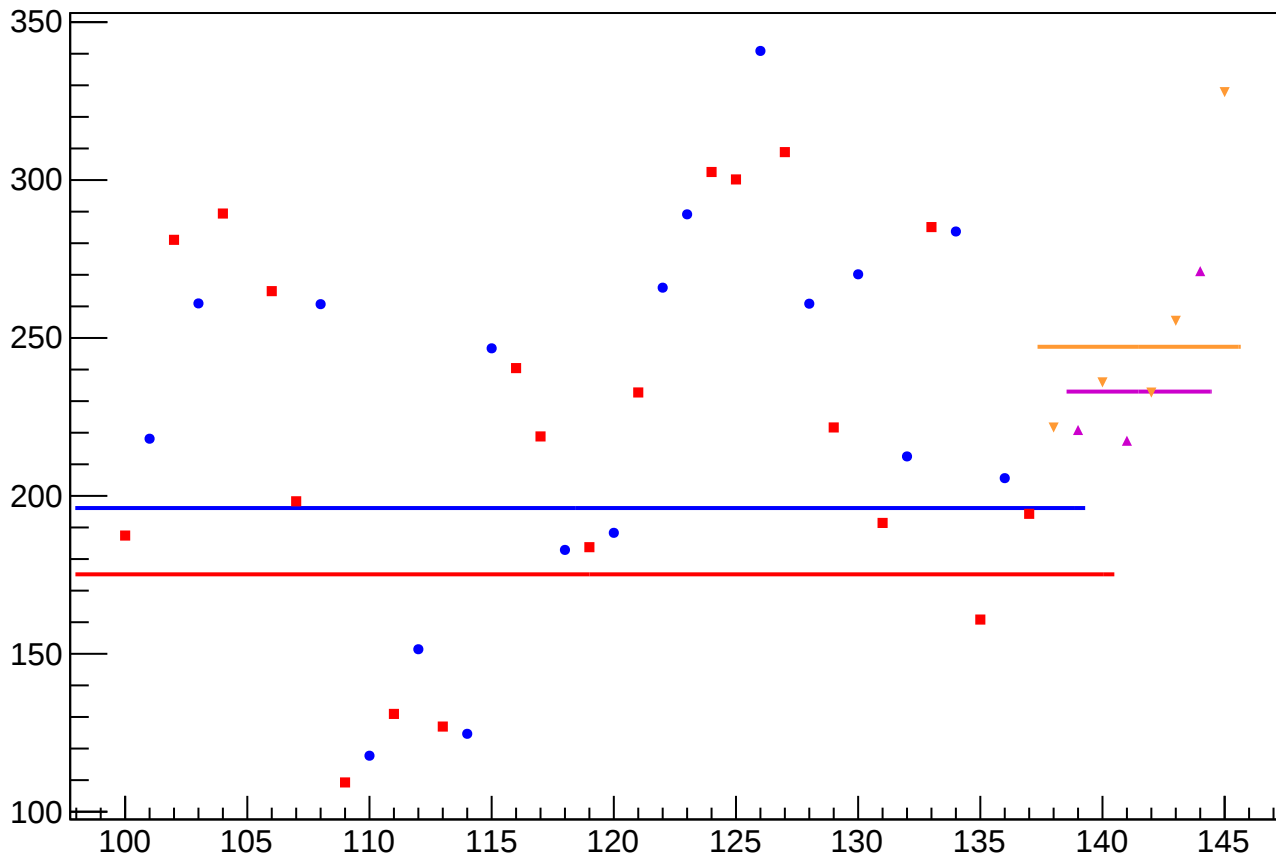
Right Out: -12.456+/-70.853 χ^2/NDF : 6.7/19

Left In: -253.023+/-152.713 χ^2/NDF : 0.7/2

84.920+/-69.155 χ^2/NDF : 7.4/21

-55.068+/-64.272 χ^2/NDF : 9.5/22

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.151+/-0.057 χ^2/NDF : 964998.4/16

Left Out: 247.212+/-0.097 χ^2/NDF :119697.4/4

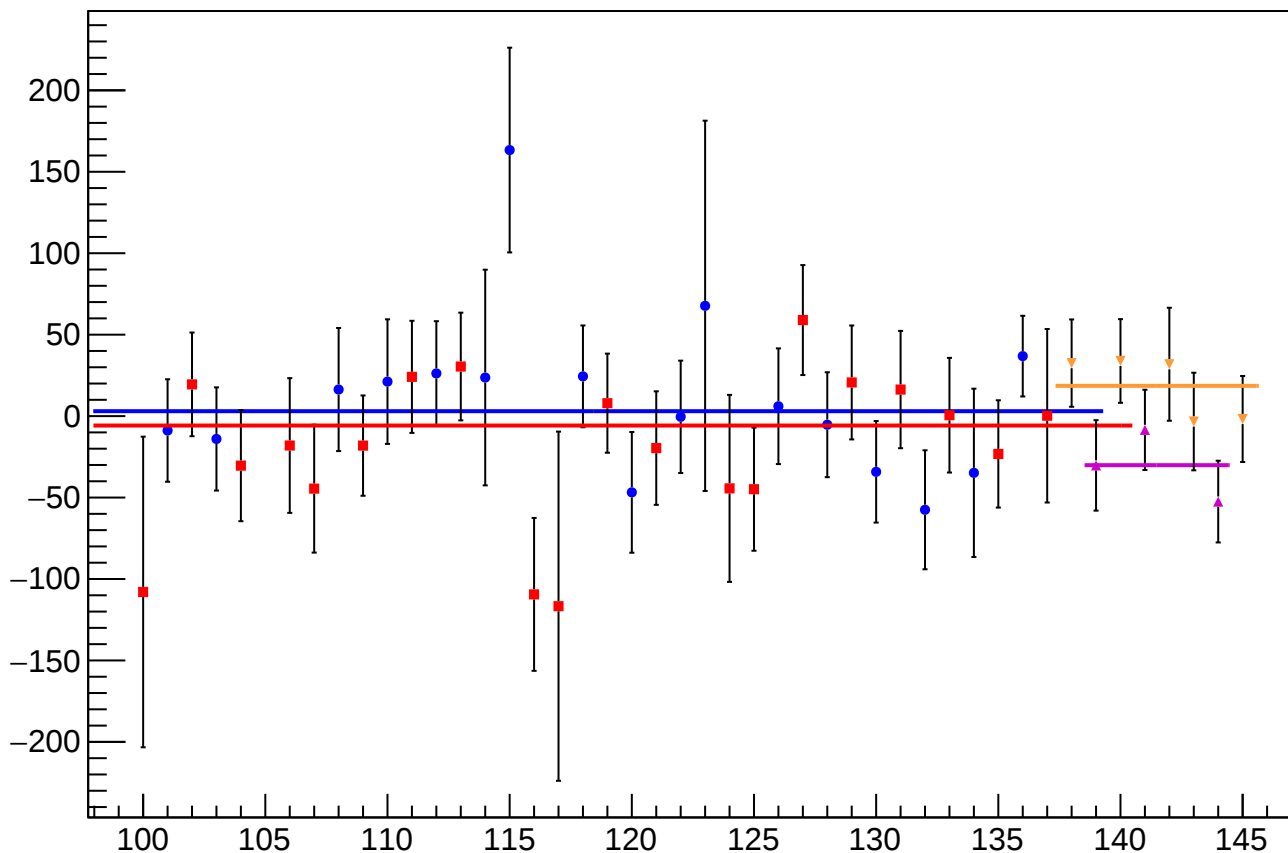
209.007+/-0.049 χ^2/NDF : 1290096.8/21

Right Out: 175.163+/-0.050 χ^2/NDF : 1514398.4/19

185.412+/-0.045 χ^2/NDF : 1796890.3/22

Left In: 233.024+/-0.108 χ^2/NDF :46233.1/2

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



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

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

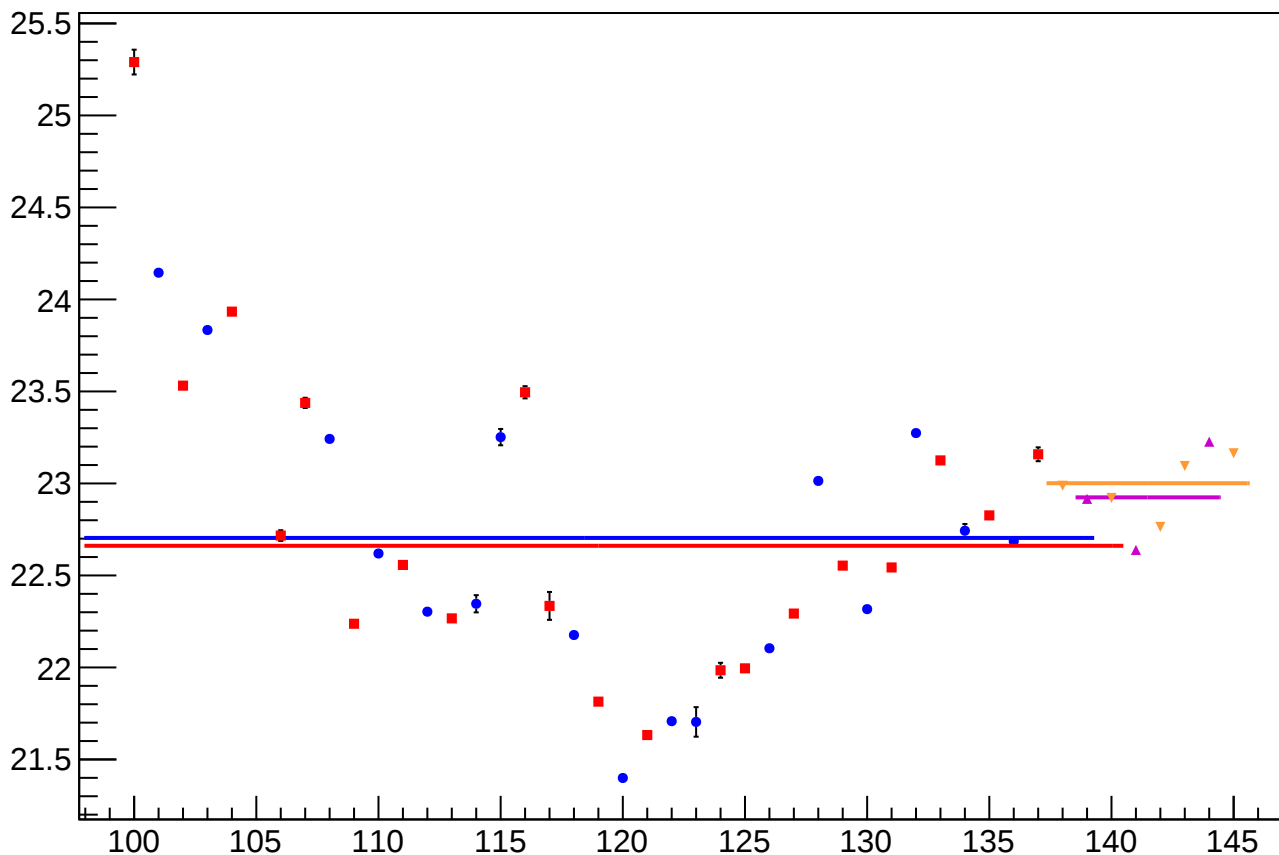
Right Out: -5.786 ± 8.451 χ^2/NDF : 18.3/19

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

8.076 ± 7.190 χ^2/NDF : 20.1/21

-11.738 ± 7.345 χ^2/NDF : 21.9/22

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



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

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

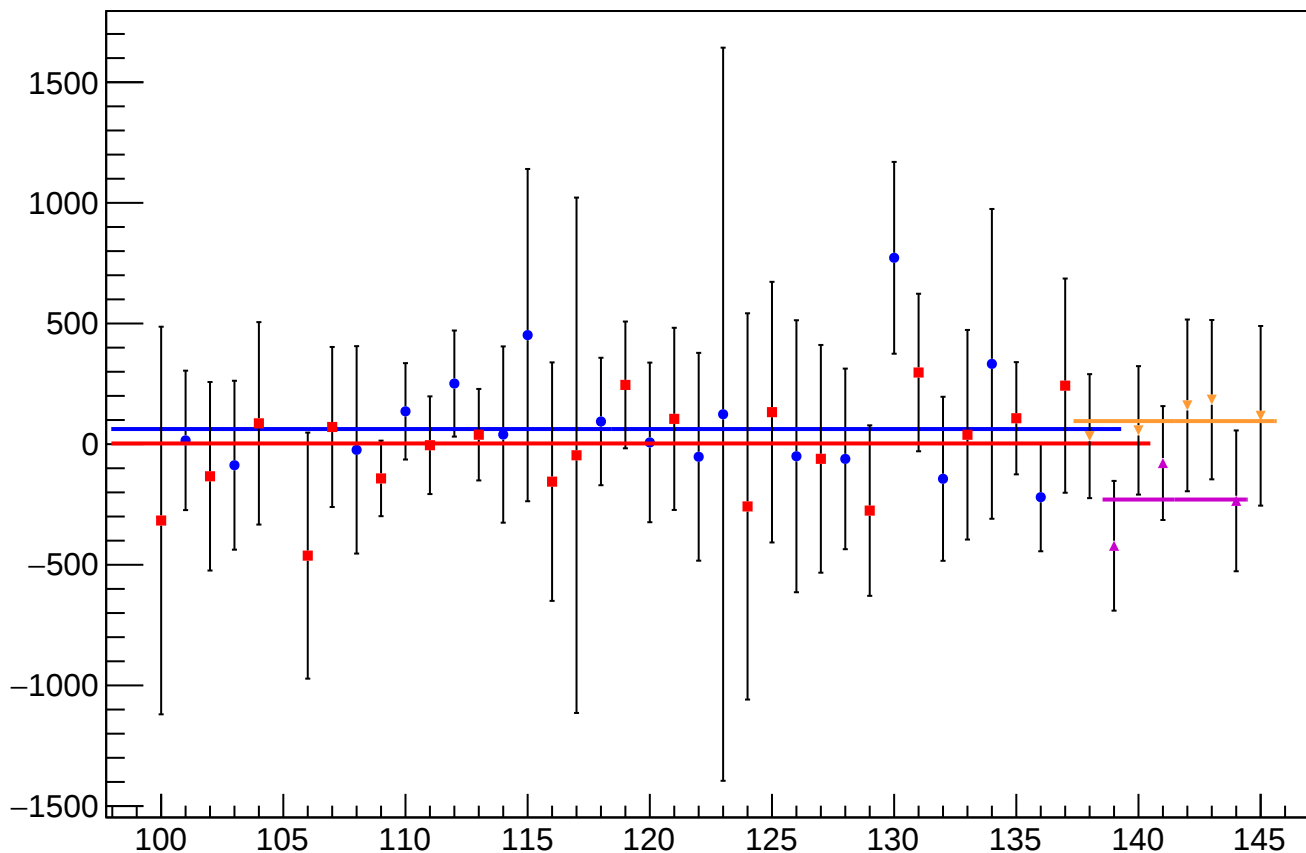
Right Out: 22.661+/-0.006 χ^2/NDF : 12962.1/19

Left In: 22.924+/-0.011 χ^2/NDF : 560.1/2

22.801+/-0.005 χ^2/NDF : 15064.7/21

22.726+/-0.005 χ^2/NDF : 13996.6/22

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: 95.507+/-136.660 χ^2/NDF : 0.2/4

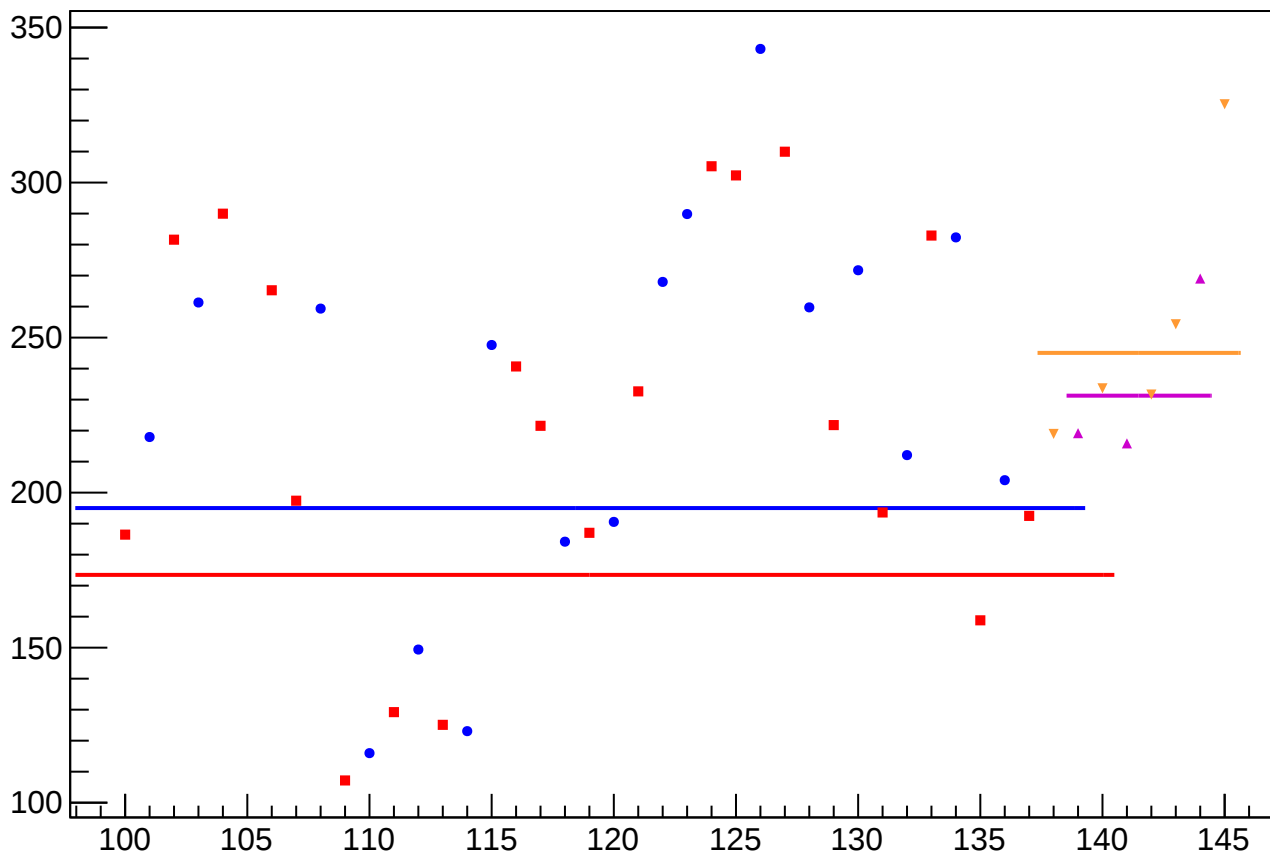
Right Out: 2.824+/-70.364 χ^2/NDF : 5.2/19

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

70.917+/-68.786 χ^2/NDF : 7.3/21

-38.381+/-63.823 χ^2/NDF : 8.1/22

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: 245.069+/-0.097 χ^2/NDF :121573.9/4

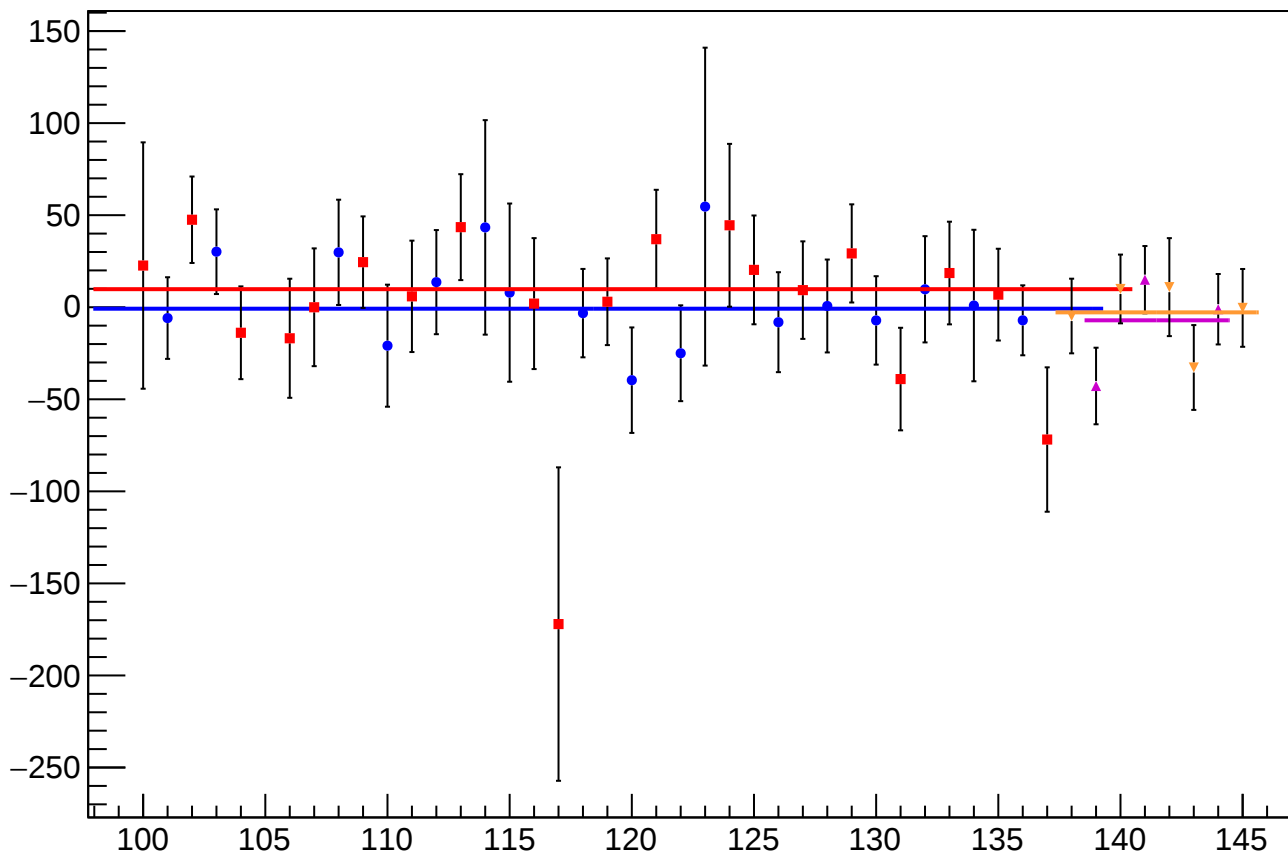
207.701+/-0.049 χ^2/NDF : 1326134.9/21

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

183.719+/-0.045 χ^2/NDF : 1867602.0/22

Left In: 231.272+/-0.107 χ^2/NDF :46057.6/2

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: -2.787 ± 9.606 χ^2/NDF : 2.4/4

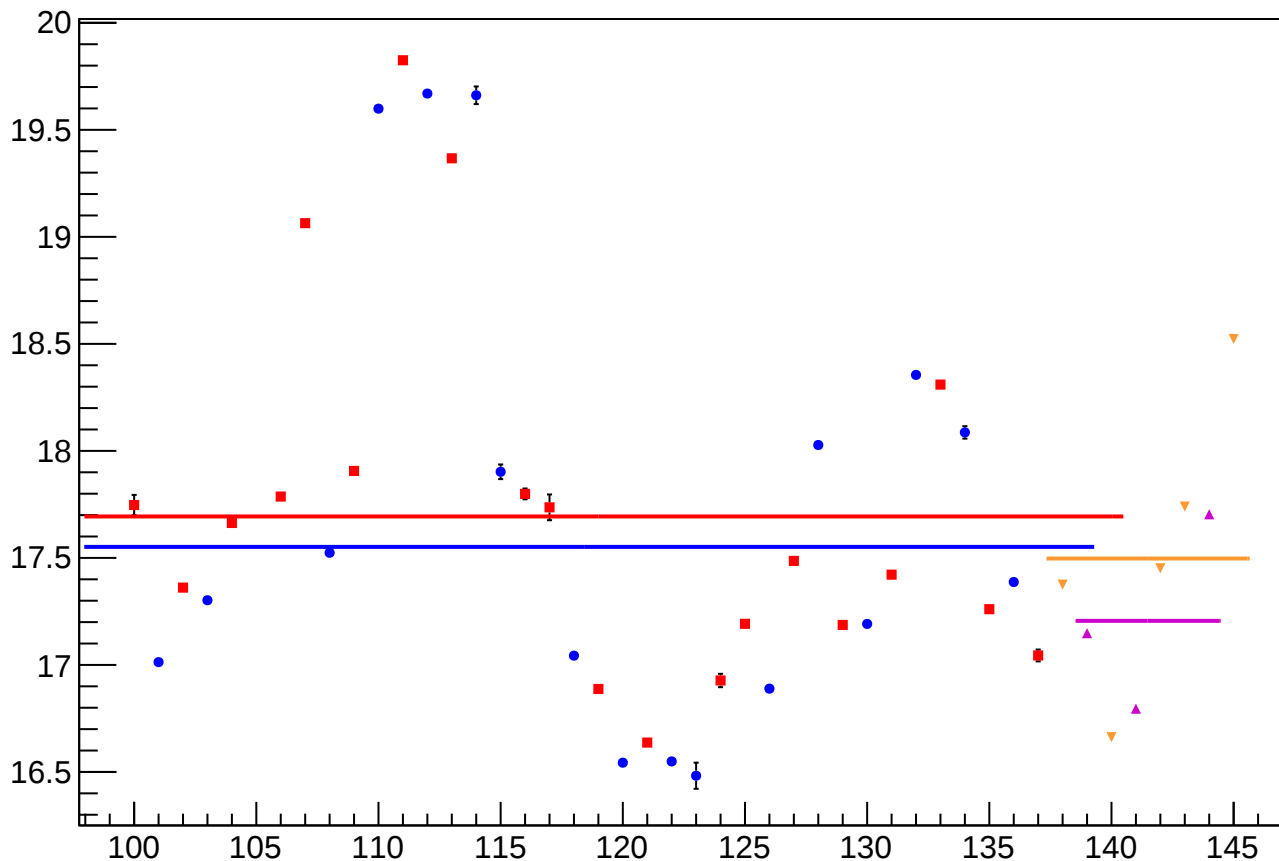
Right Out: 9.809 ± 6.606 χ^2/NDF : 20.5/19

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

-1.460 ± 5.534 χ^2/NDF : 10.2/21

5.417 ± 5.684 χ^2/NDF : 26.7/22

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.552 ± 0.005 χ^2/NDF : 34027.1/16

Left Out: 17.497 ± 0.007 χ^2/NDF : 9008.2/4

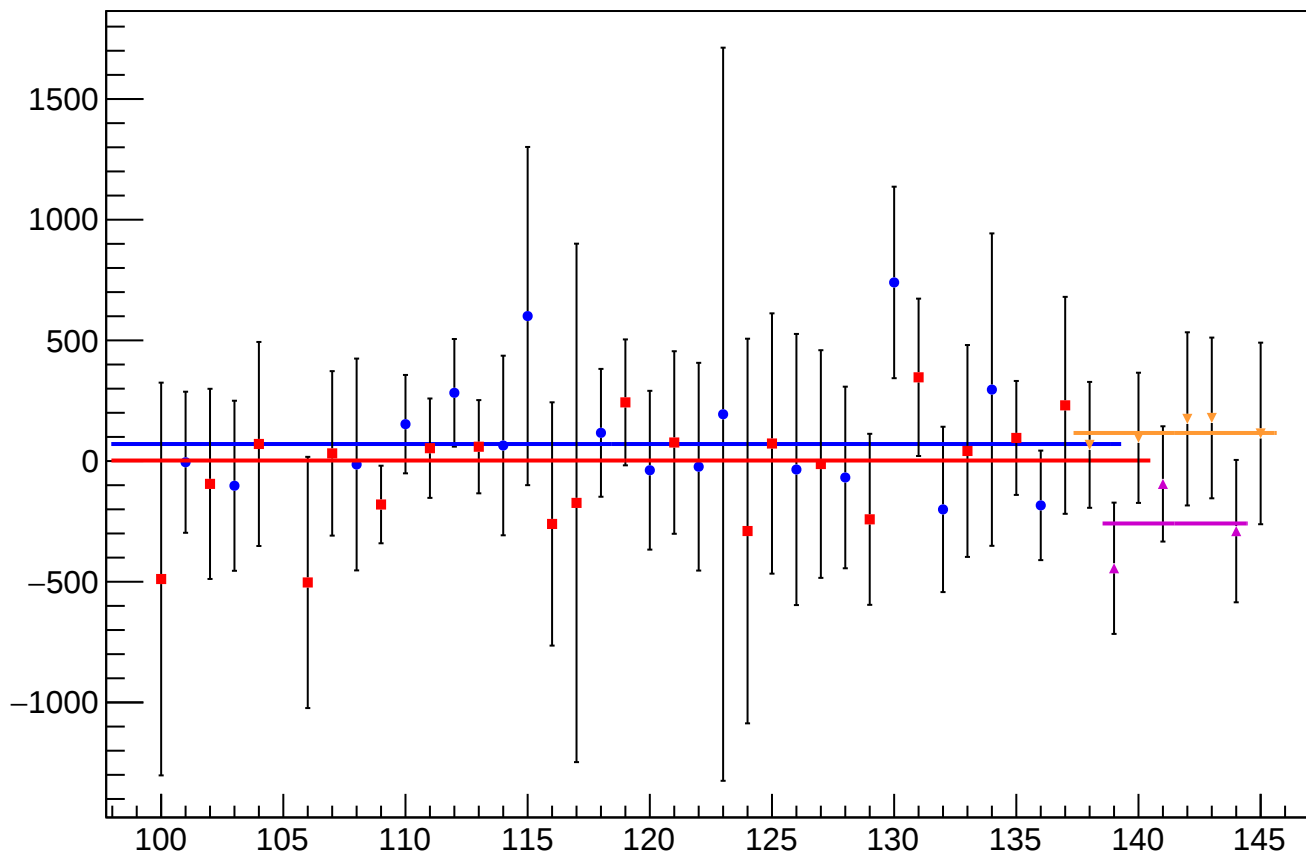
Right Out: 17.694 ± 0.005 χ^2/NDF : 30742.5/19

Left In: 17.206 ± 0.008 χ^2/NDF : 2377.4/2

17.533 ± 0.004 χ^2/NDF : 43078.1/21

17.567 ± 0.004 χ^2/NDF : 35950.1/22

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: 116.428+/-138.266 χ^2/NDF : 0.1/4

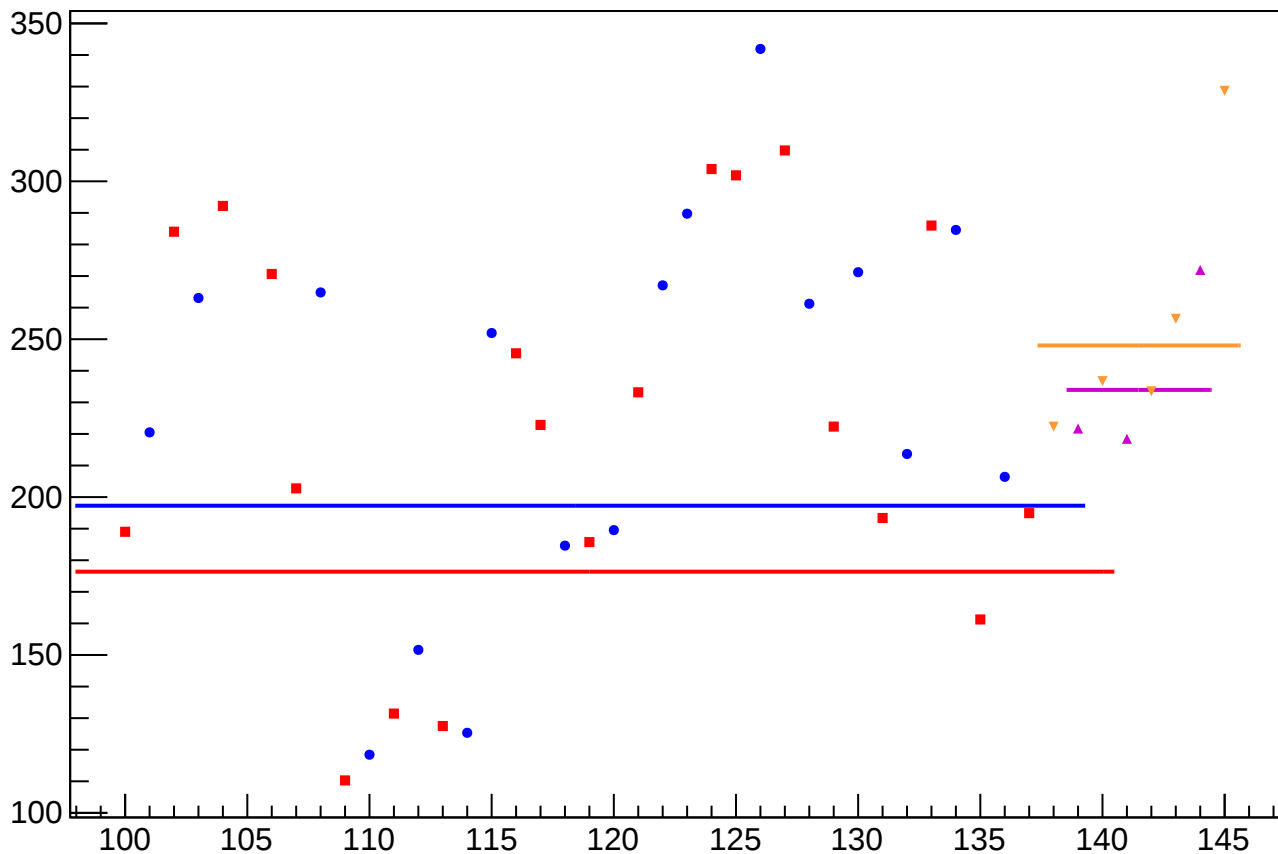
Right Out: 2.285+/-71.350 χ^2/NDF : 6.2/19

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

82.208+/-69.509 χ^2/NDF : 7.4/21

-44.161+/-64.687 χ^2/NDF : 9.5/22

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: 248.018 $\pm$ 0.098 χ^2/NDF :119417.7/4

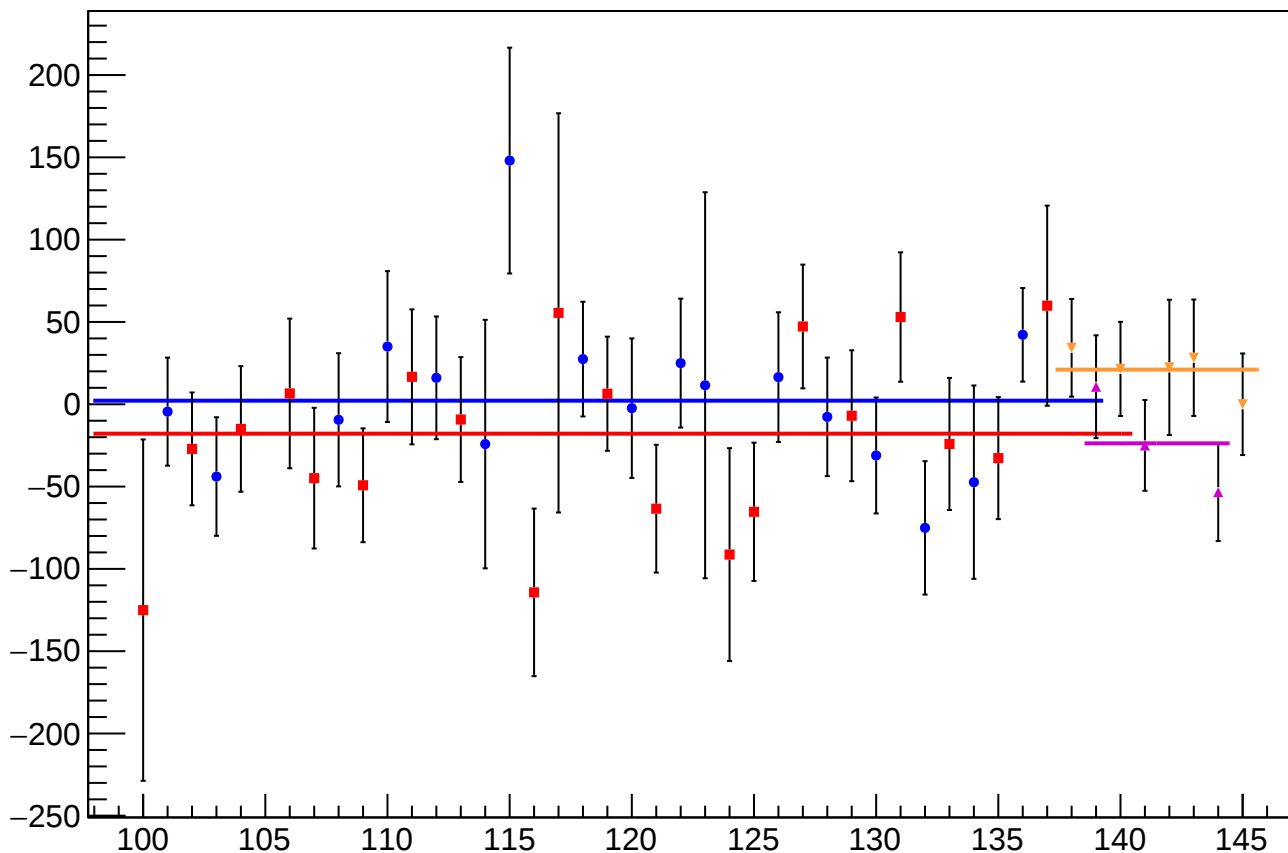
Right Out: 176.387 $\pm$ 0.050 χ^2/NDF : 1523467.7/19

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

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

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

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



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

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

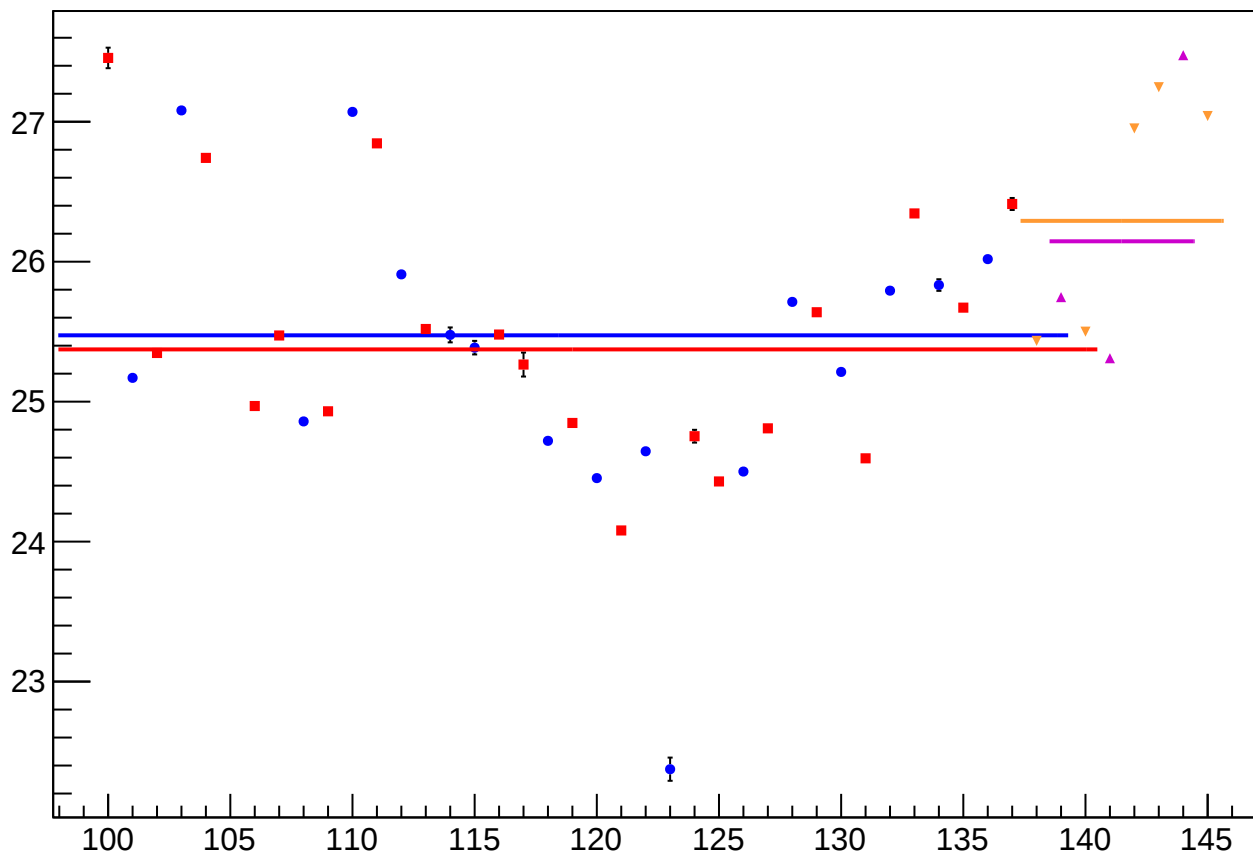
Right Out: -17.869+/-9.468 χ^2/NDF : 20.0/19

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

8.155+/-8.122 χ^2/NDF : 17.2/21

-19.265+/-8.267 χ^2/NDF : 22.3/22

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.474 ± 0.007 χ^2/NDF : 14061.2/16

Left Out: 26.292 ± 0.010 χ^2/NDF : 6356.8/4

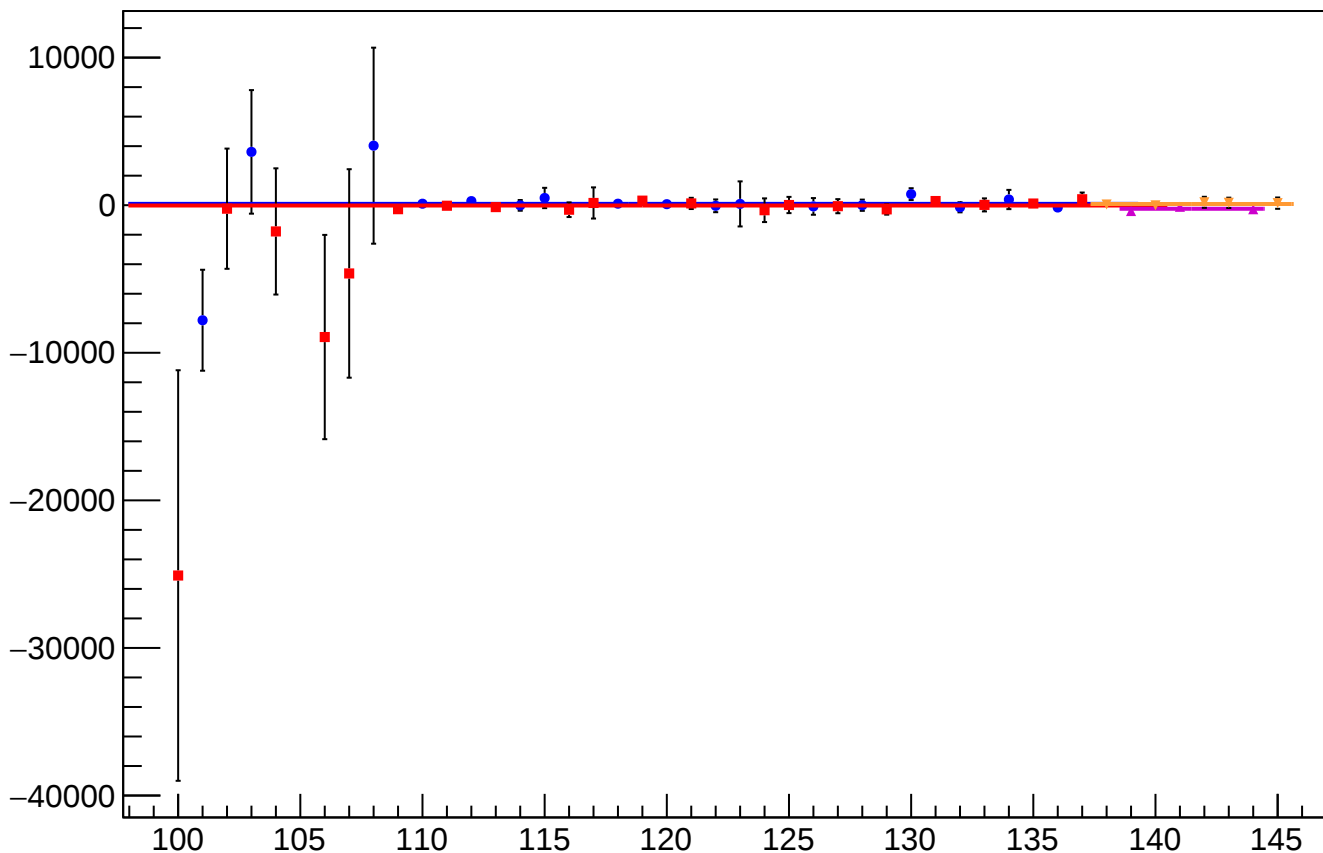
Right Out: 25.373 ± 0.007 χ^2/NDF : 13582.8/19

Left In: 26.146 ± 0.012 χ^2/NDF : 6173.5/2

25.733 ± 0.006 χ^2/NDF : 24806.6/21

25.557 ± 0.006 χ^2/NDF : 22917.8/22

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: 80.597+/-138.841 χ^2/NDF : 0.3/4

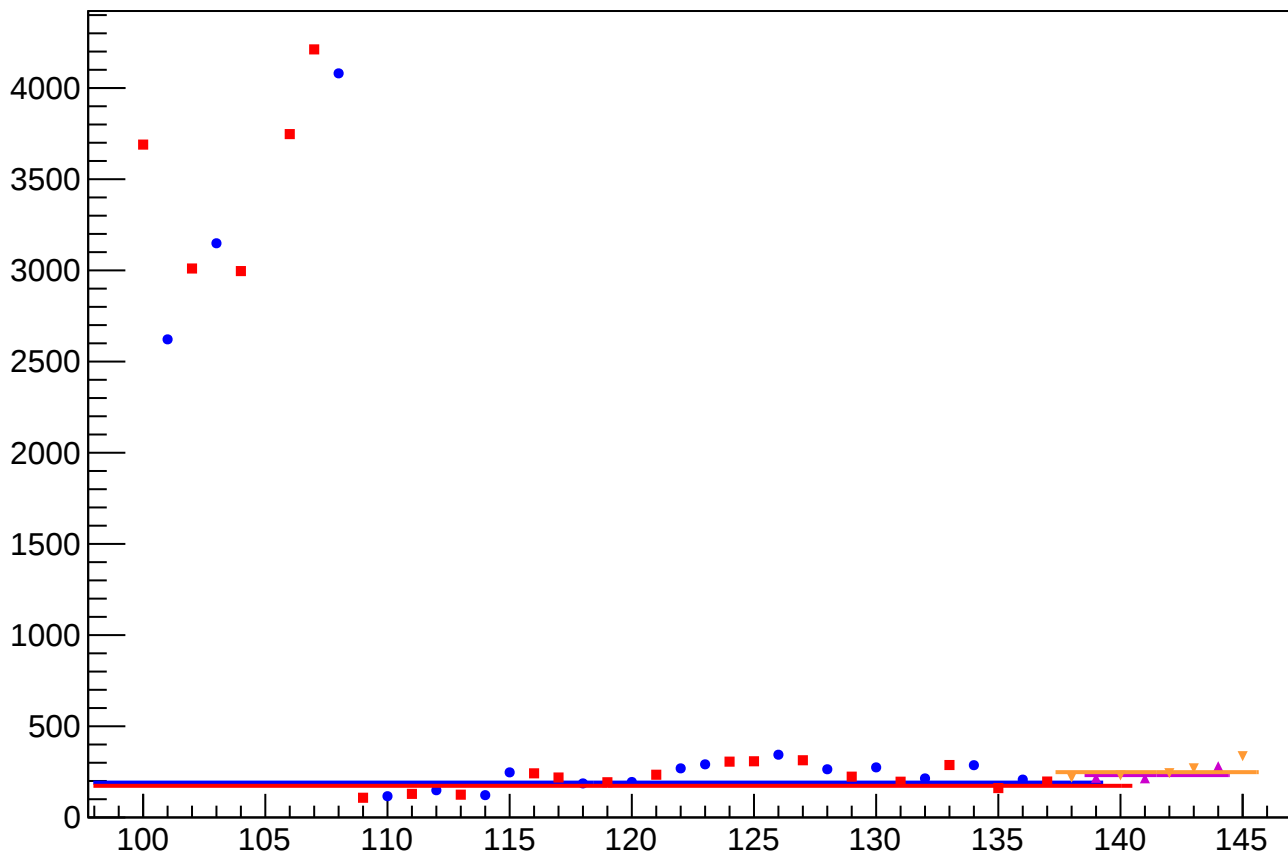
Right Out: -21.600+/-80.665 χ^2/NDF : 11.9/19

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

87.048+/-74.105 χ^2/NDF : 12.6/21

-69.975+/-71.318 χ^2/NDF : 14.2/22

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

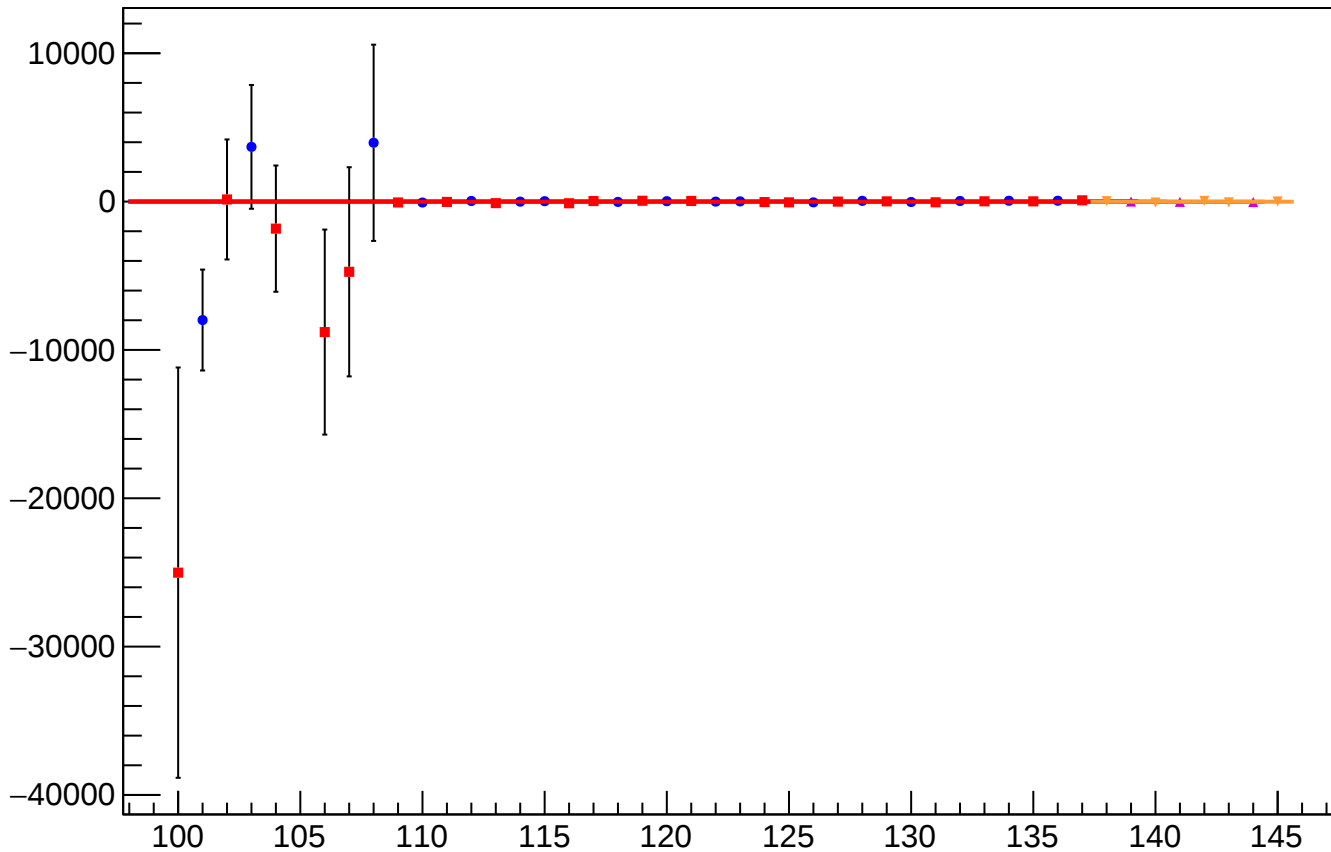
Right Out: 173.536+/-0.057 χ^2/NDF : 4210933.2/19

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

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

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

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: -9.768+/-16.755 χ^2/NDF : 6.5/4

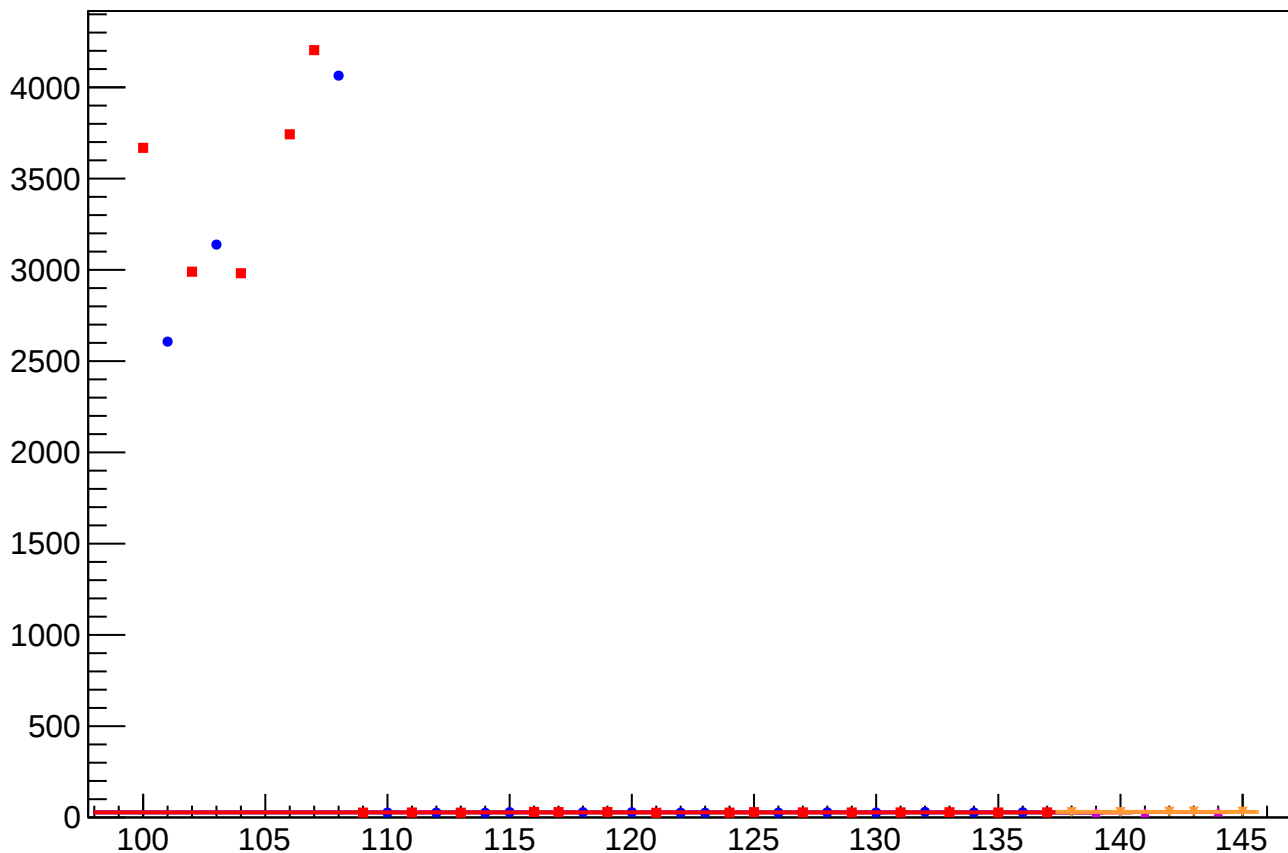
Right Out: -12.573+/-12.182 χ^2/NDF : 24.5/19

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

3.419+/-9.857 χ^2/NDF : 25.7/21

-13.391+/-10.299 χ^2/NDF : 25.0/22

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

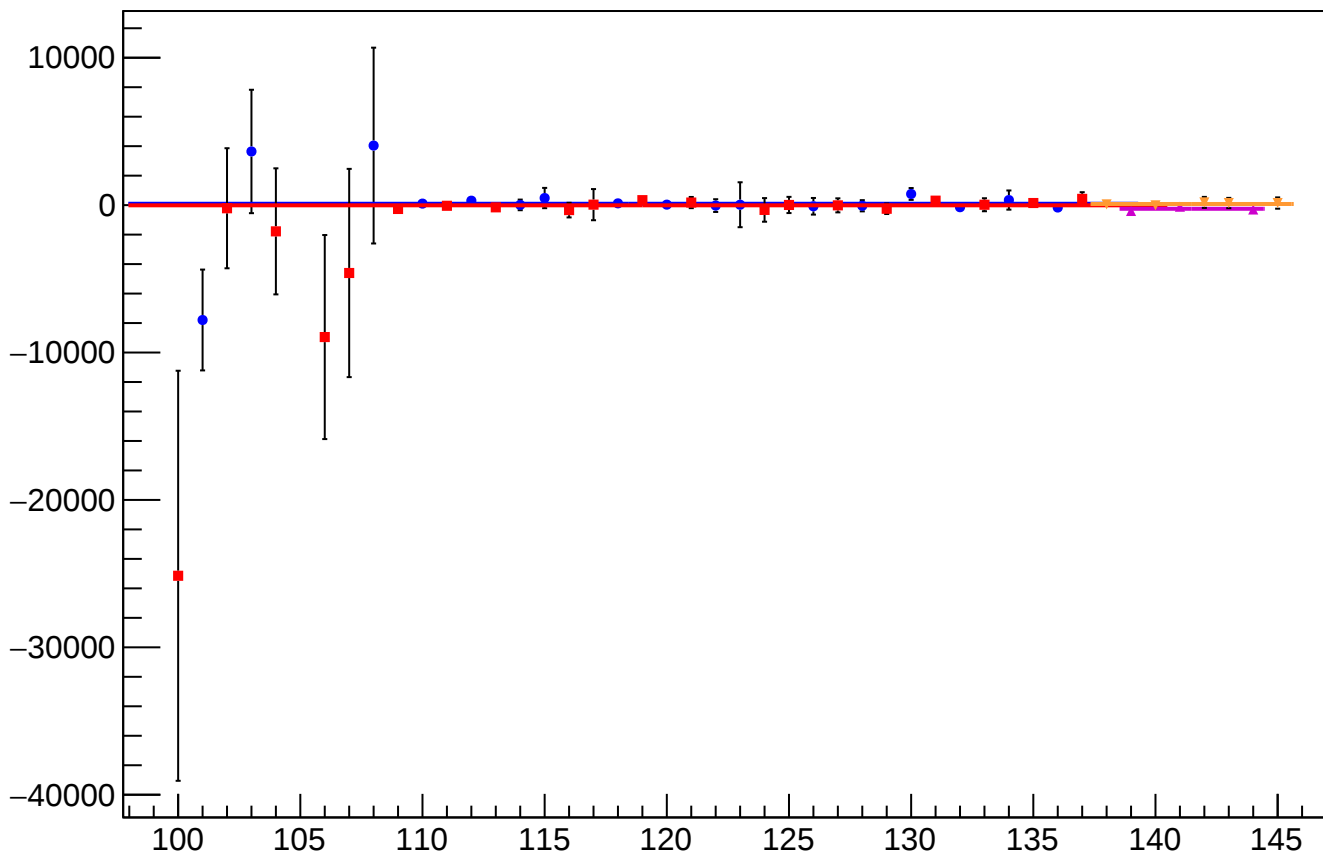
Right Out: 27.706 $\pm$ 0.009 χ^2 /NDF: 3477080.4/19

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

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

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

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: 77.212+/-138.527 χ^2/NDF : 0.3/4

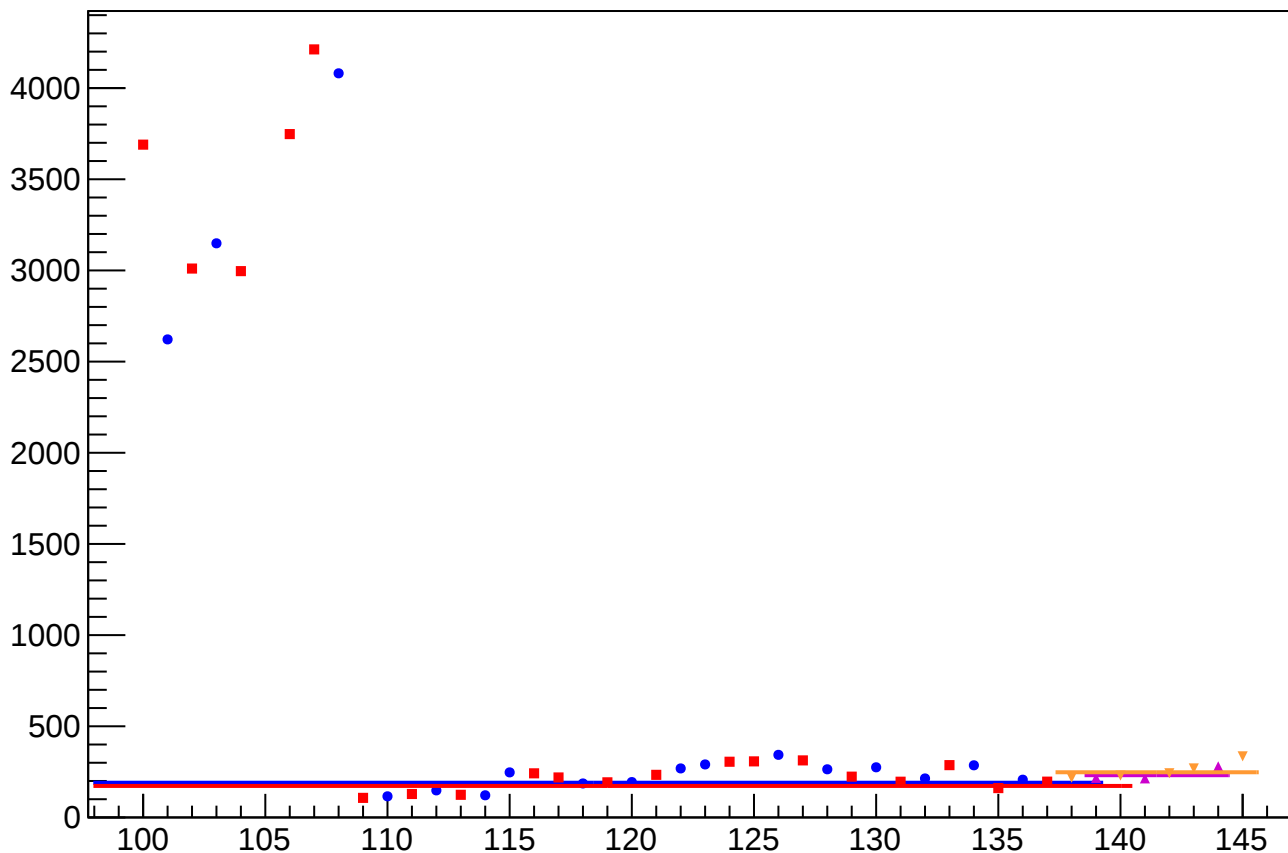
Right Out: -12.509+/-80.407 χ^2/NDF : 12.7/19

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

88.393+/-73.892 χ^2/NDF : 12.9/21

-63.832+/-71.107 χ^2/NDF : 15.2/22

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: 247.873+/-0.098 χ^2/NDF : 148799.2/4

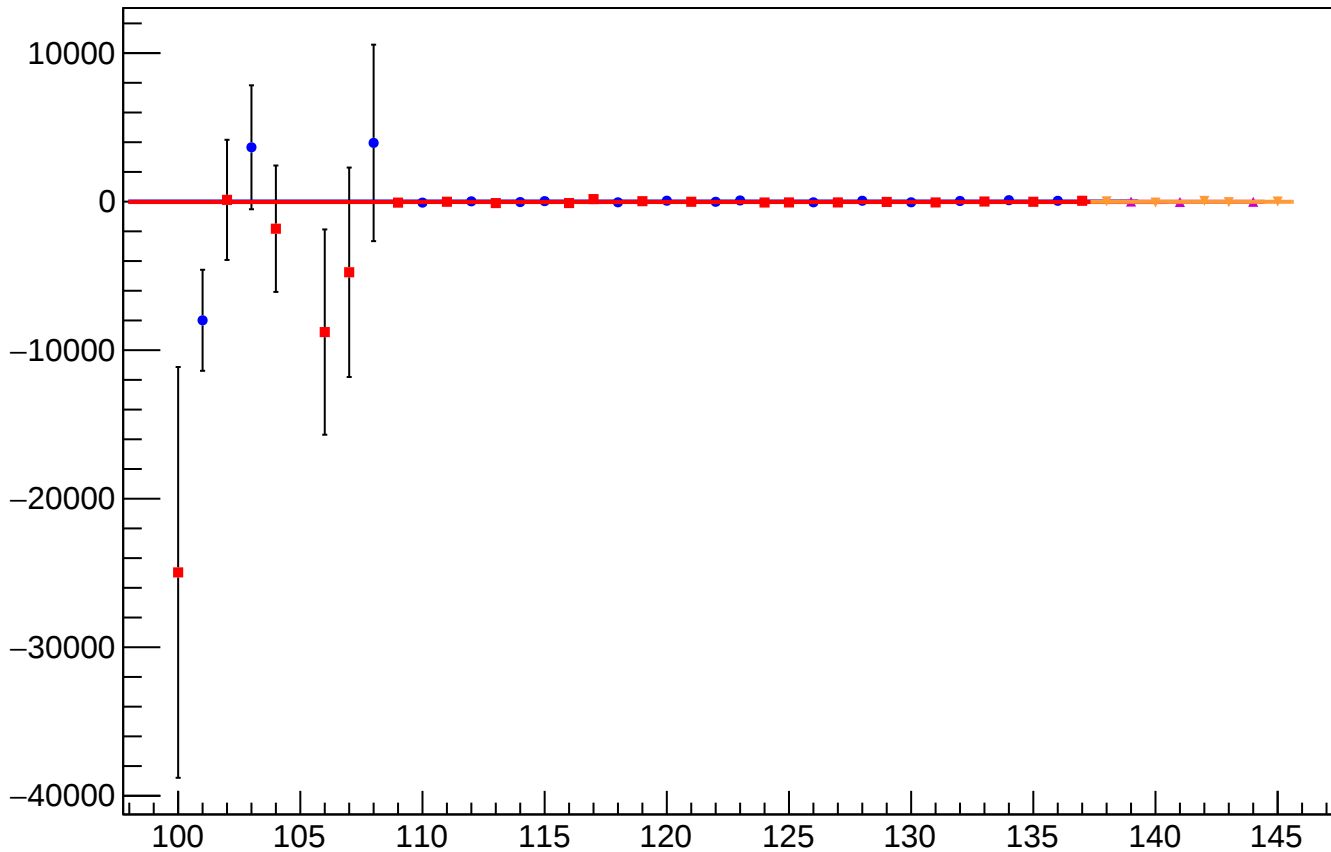
Right Out: 172.872+/-0.057 χ^2/NDF : 4222275.2/19

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

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

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

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: -10.040 $\pm$ 16.854 χ^2 /NDF:5.7/4

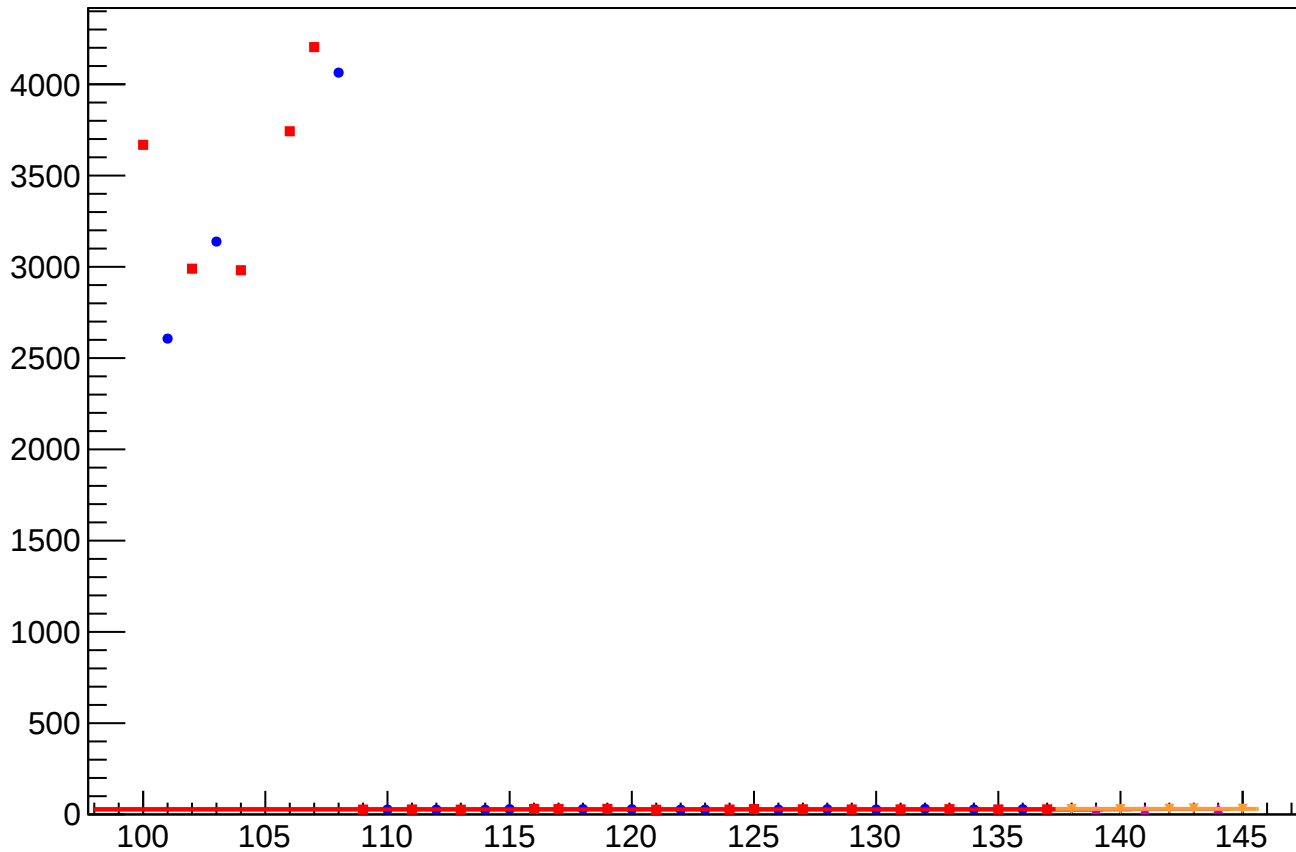
Right Out: -28.128 $\pm$ 12.282 χ^2 /NDF: 18.5/19

Left In: -9.747 $\pm$ 19.371 χ^2 /NDF:0.4/2

2.795 $\pm$ 9.921 χ^2 /NDF: 29.8/21

-22.858 $\pm$ 10.373 χ^2 /NDF: 19.5/22

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: 30.600+/-0.012 χ^2/NDF :14418.9/4

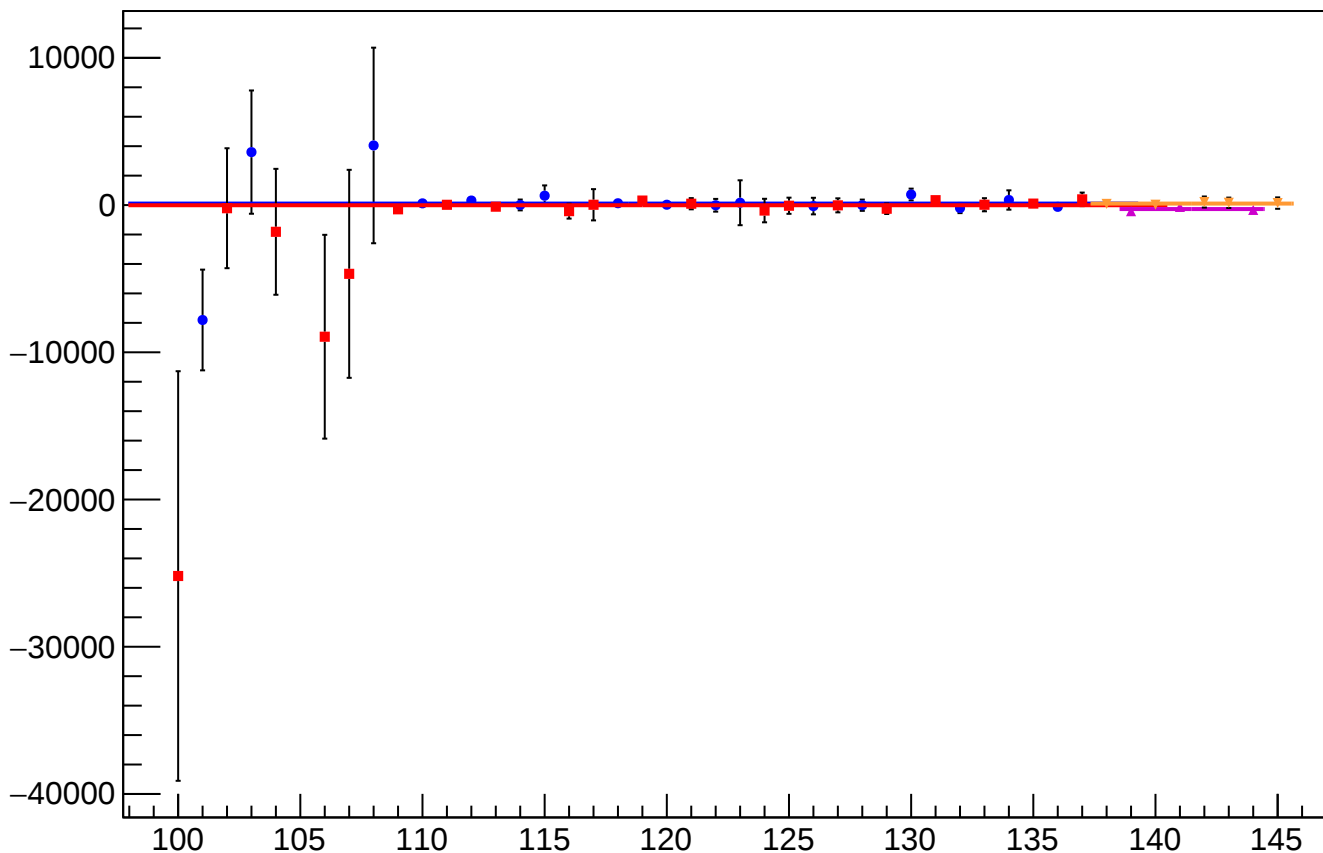
Right Out: 27.929+/-0.009 χ^2/NDF : 3479867.7/19

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

28.916+/-0.007 χ^2/NDF : 3071984.9/21

28.463+/-0.007 χ^2/NDF : 3511152.4/22

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: 101.503 $\pm$ 140.439 χ^2 /NDF: 0.2/4

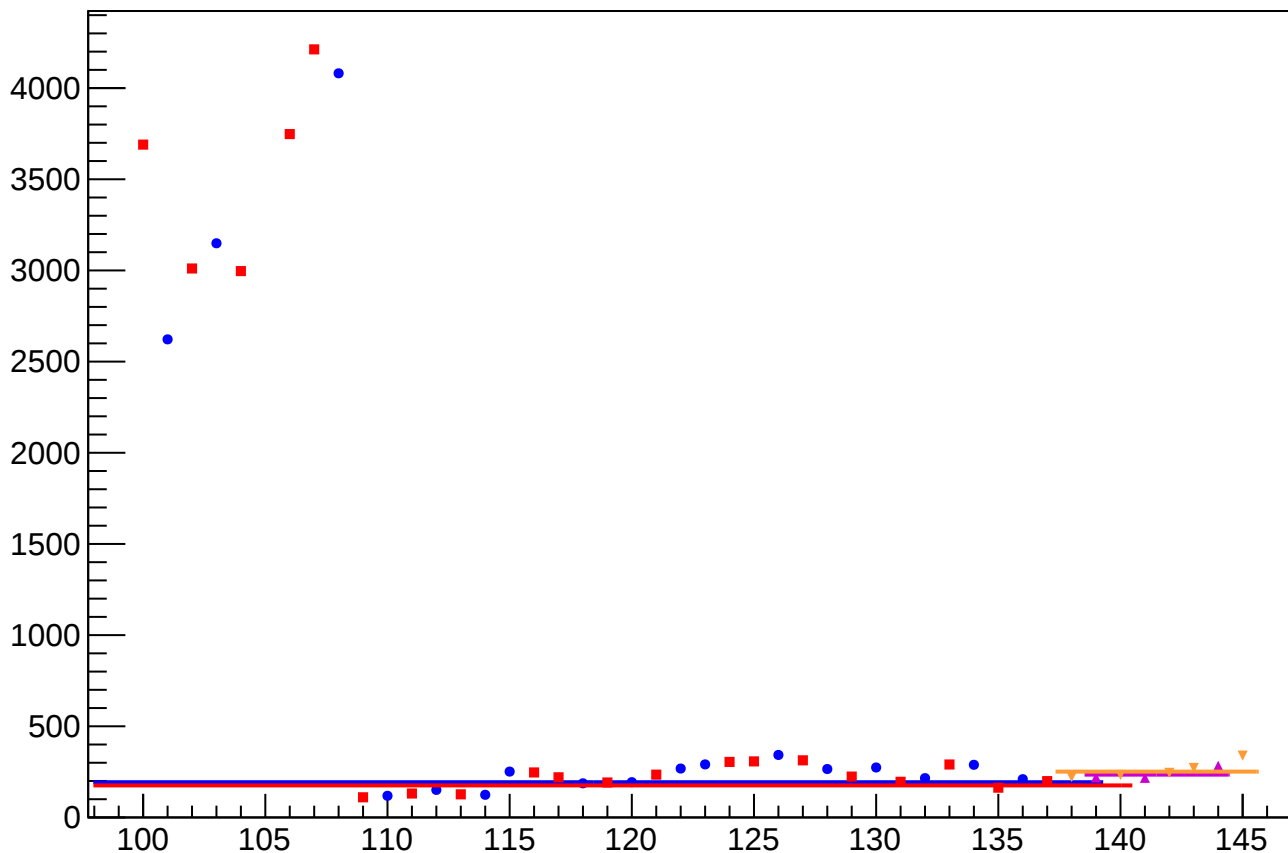
Right Out: -11.037 $\pm$ 81.486 χ^2 /NDF: 12.3/19

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

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

-67.604 $\pm$ 72.059 χ^2 /NDF: 15.2/22

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: 251.388+/-0.099 χ^2/NDF :145329.2/4

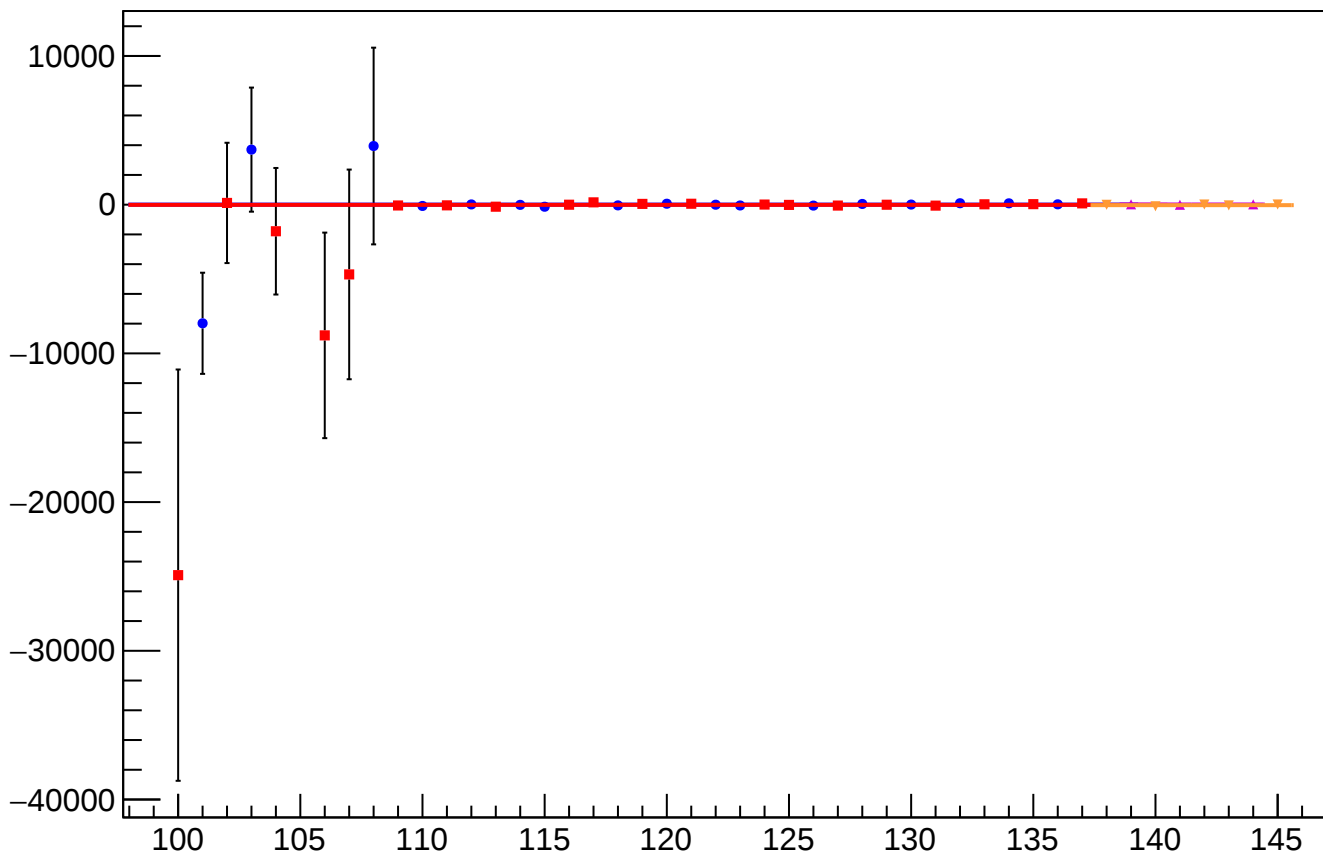
Right Out: 175.749+/-0.058 χ^2/NDF : 4168935.2/19

Left In: 234.879+/-0.109 χ^2/NDF :67532.4/2

209.703+/-0.053 χ^2/NDF : 3927454.8/21

188.640+/-0.051 χ^2/NDF : 4466045.6/22

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: -32.196+/-19.994 χ^2/NDF : 5.6/4

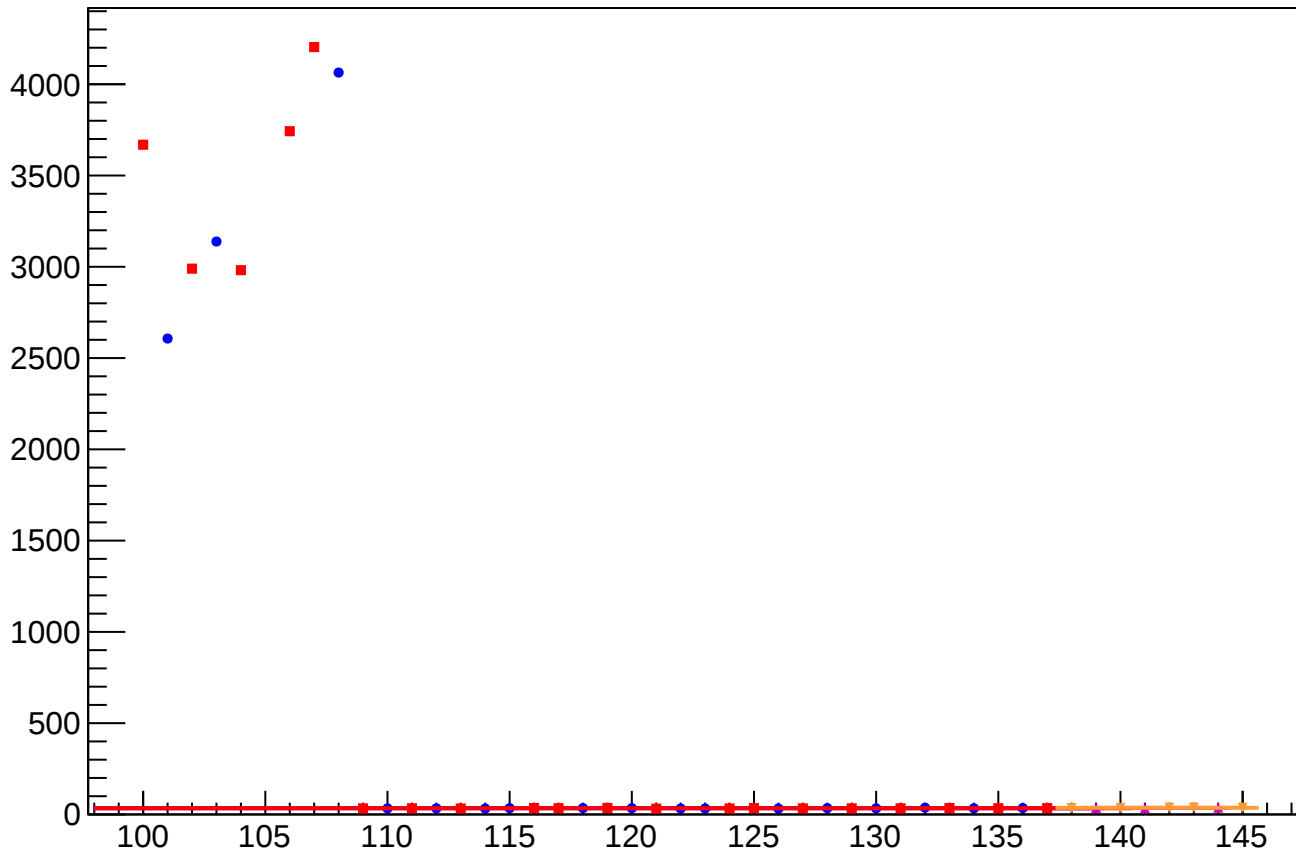
Right Out: -11.101+/-14.886 χ^2/NDF : 22.7/19

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

-8.545+/-11.965 χ^2/NDF : 28.2/21

-4.083+/-12.533 χ^2/NDF : 23.9/22

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: 36.383 $\pm$ 0.014 χ^2 /NDF: 4340.2/4

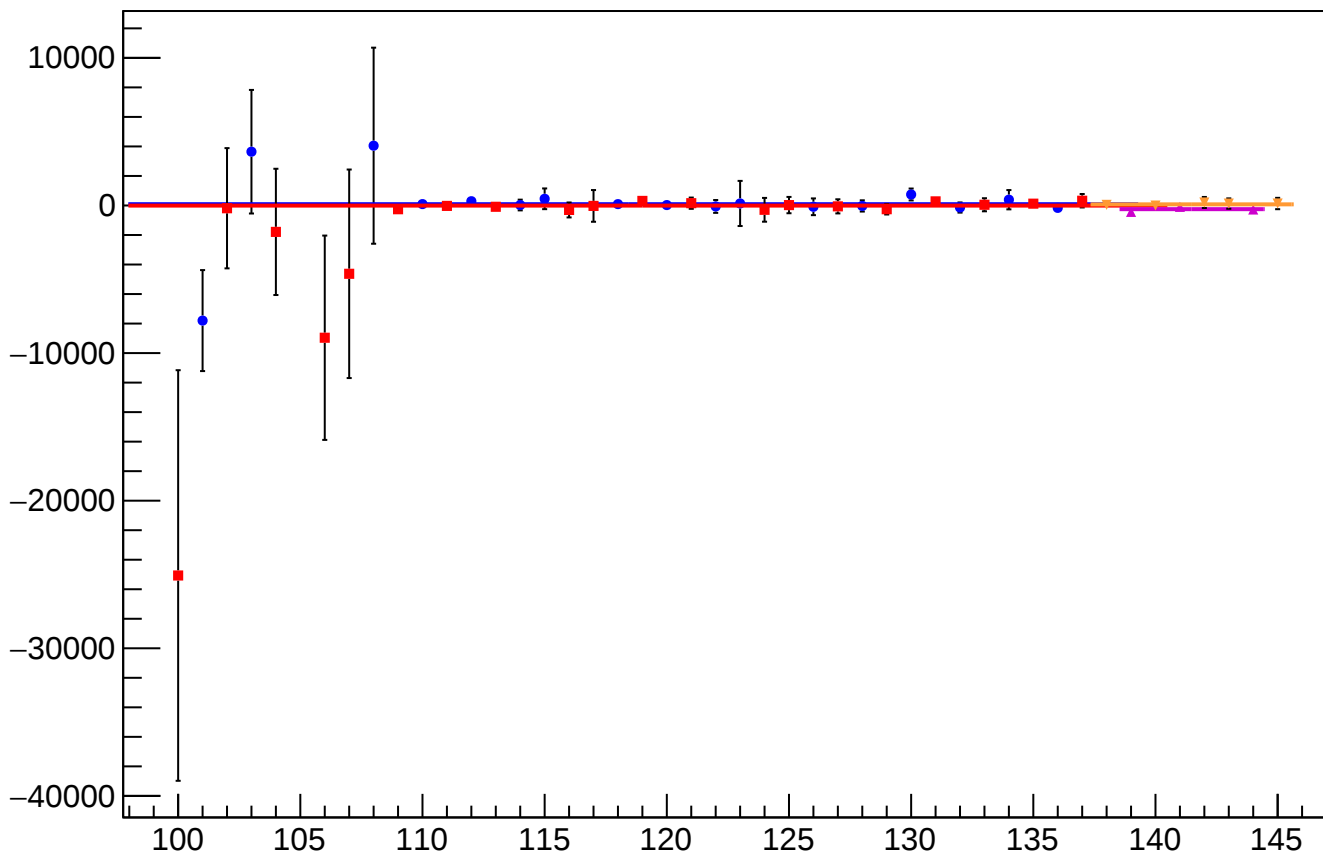
Right Out: 33.915 $\pm$ 0.011 χ^2 /NDF: 3451897.1/19

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

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

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

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: 76.684 $\pm$ 139.248 χ^2 /NDF:0.3/4

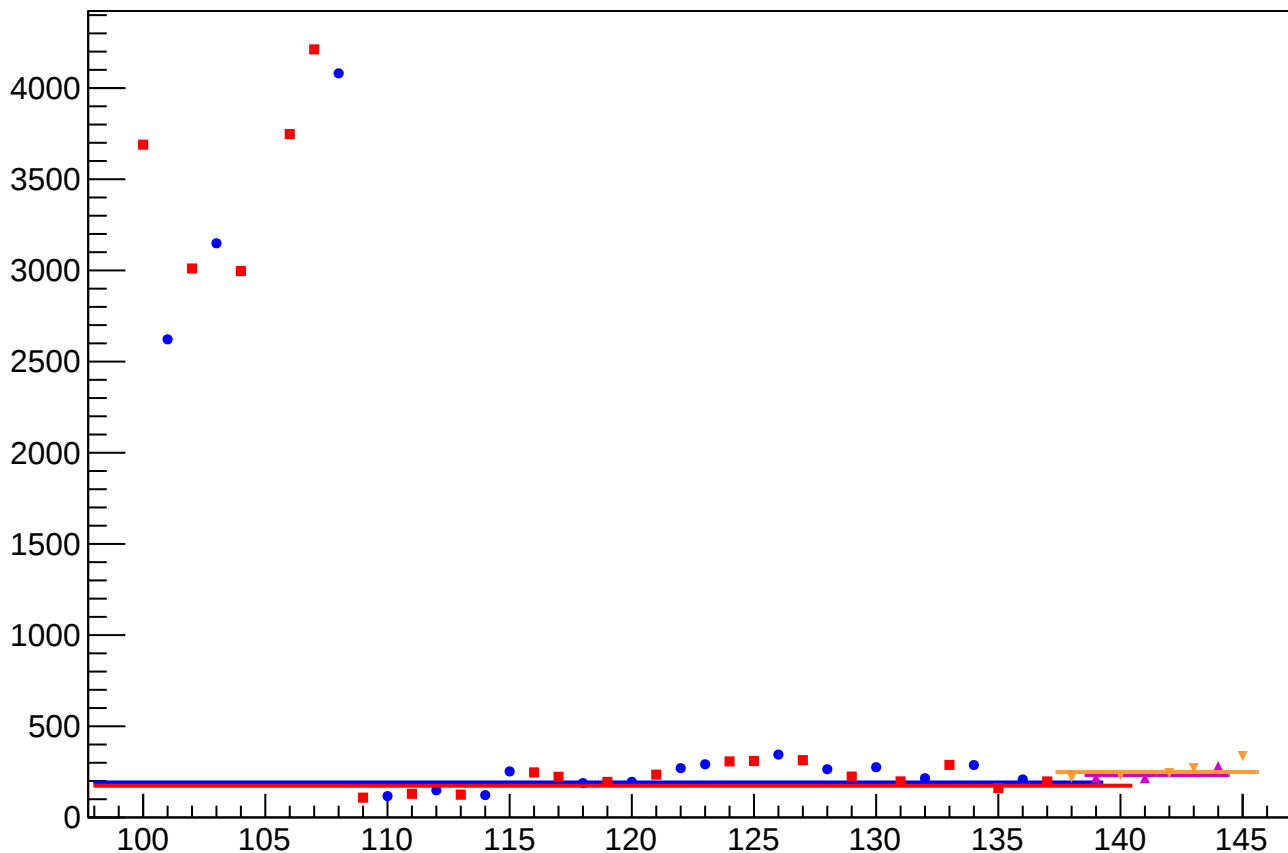
Right Out: -7.420 $\pm$ 80.977 χ^2 /NDF: 11.1/19

Left In: -249.310 $\pm$ 153.195 χ^2 /NDF:0.9/2

83.372 $\pm$ 74.358 χ^2 /NDF: 12.7/21

-60.246 $\pm$ 71.591 χ^2 /NDF: 13.9/22

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: 249.177+/-0.098 χ^2/NDF : 148400.8/4

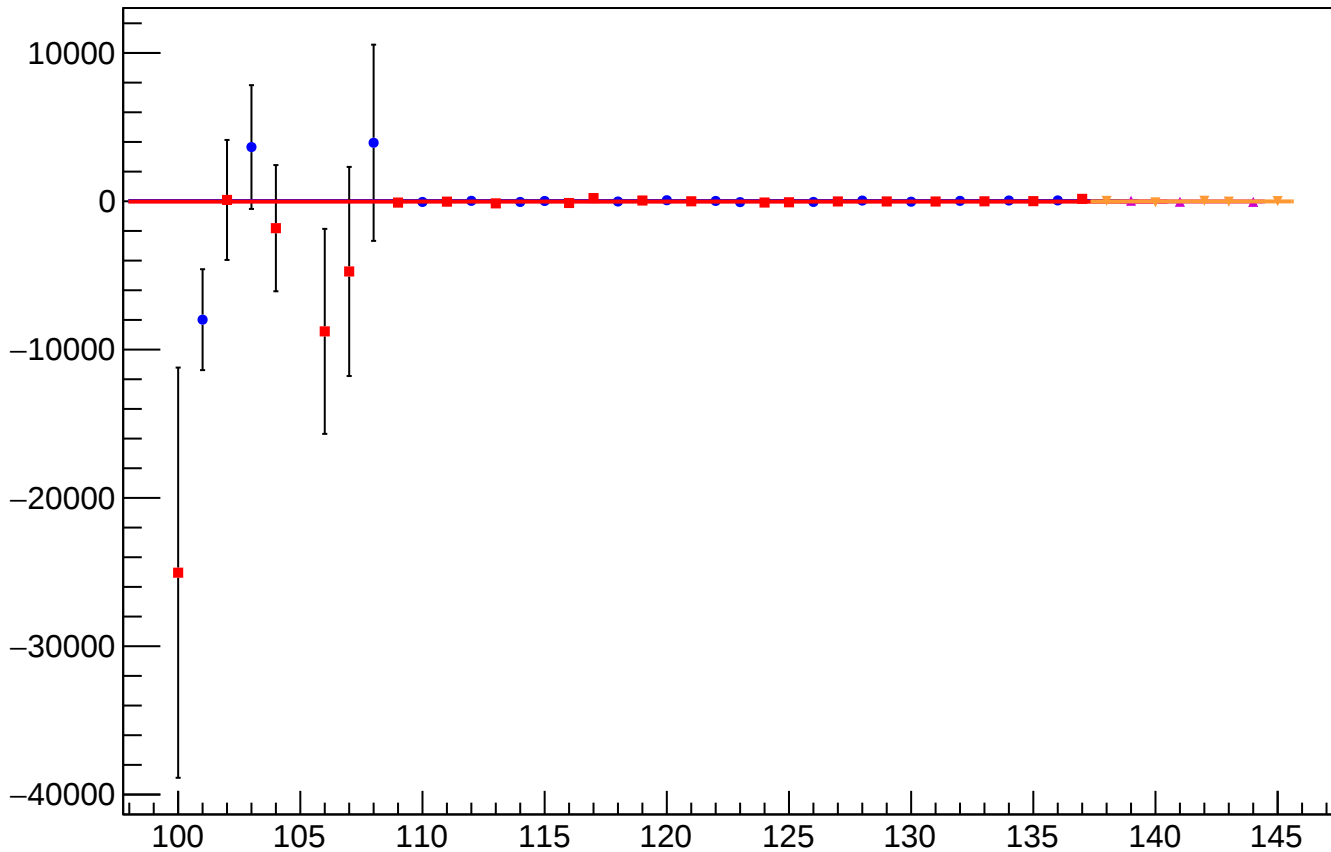
Right Out: 174.207+/-0.057 χ^2/NDF : 4215538.3/19

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

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

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

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: -9.214+/-18.417 χ^2/NDF : 5.0/4

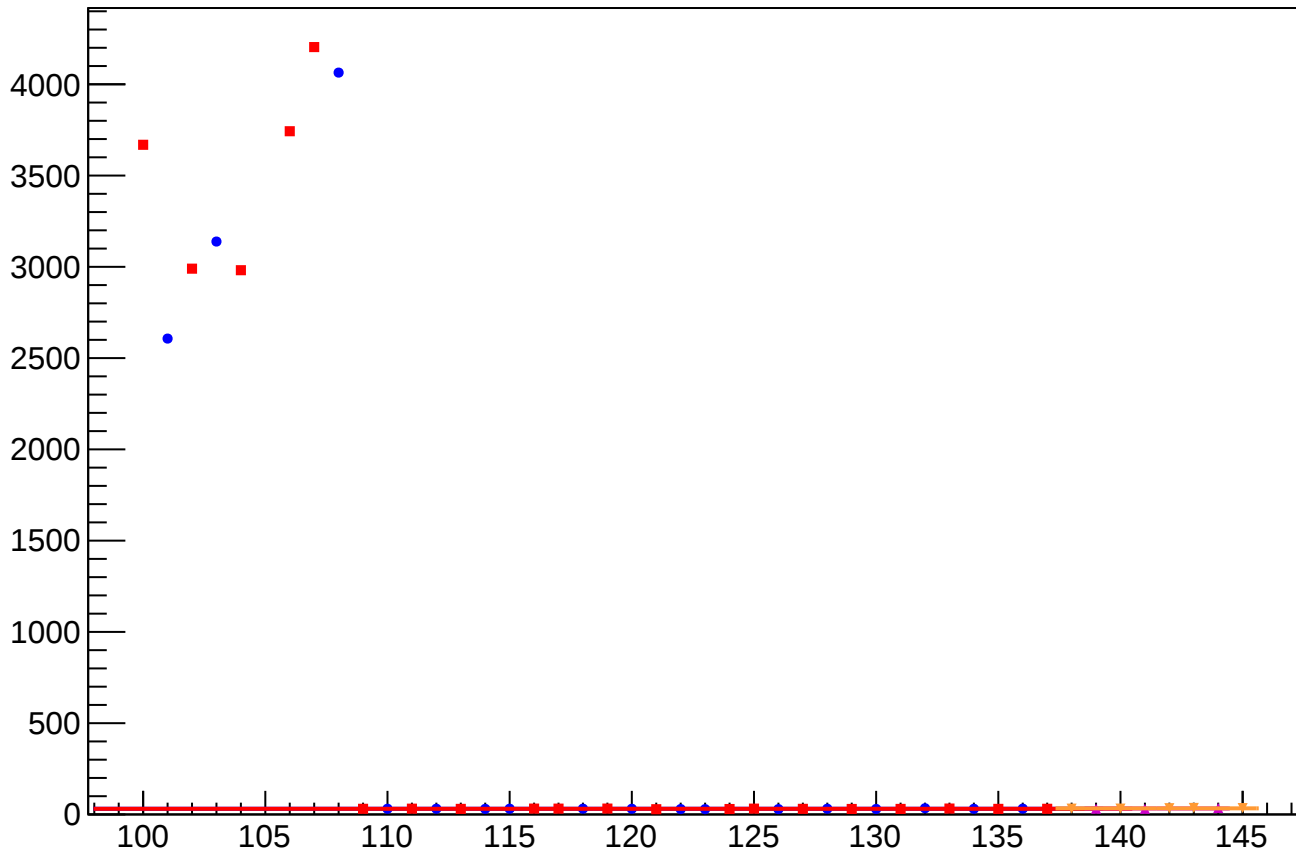
Right Out: -21.490+/-13.601 χ^2/NDF : 29.9/19

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

5.872+/-10.950 χ^2/NDF : 21.2/21

-18.982+/-11.444 χ^2/NDF : 32.4/22

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: 33.464+/-0.013 χ^2/NDF :14524.1/4

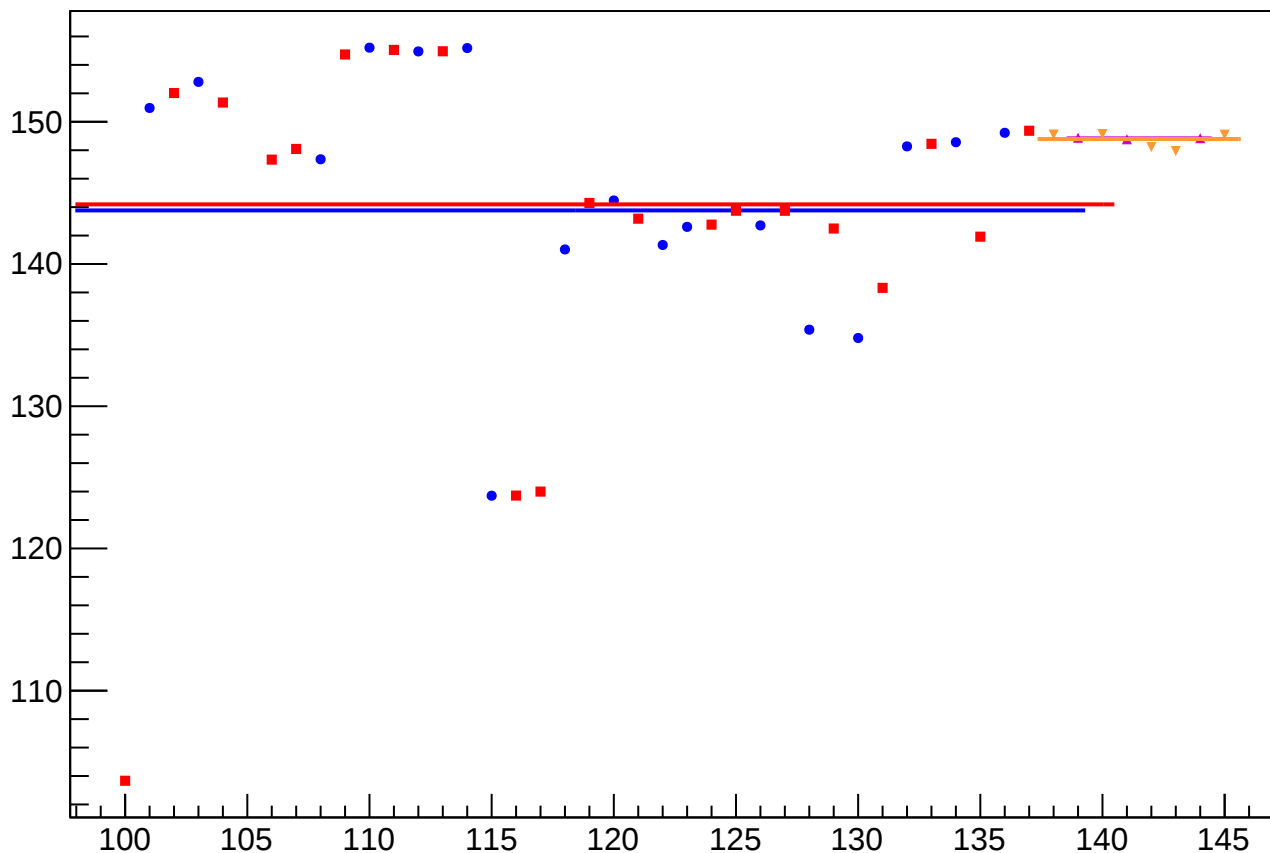
Right Out: 30.970+/-0.010 χ^2/NDF : 3459018.8/19

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

31.953+/-0.008 χ^2/NDF : 3049771.2/21

31.447+/-0.008 χ^2/NDF : 3481986.9/22

yield_bcm_an_ds_mean vs Slug



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

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

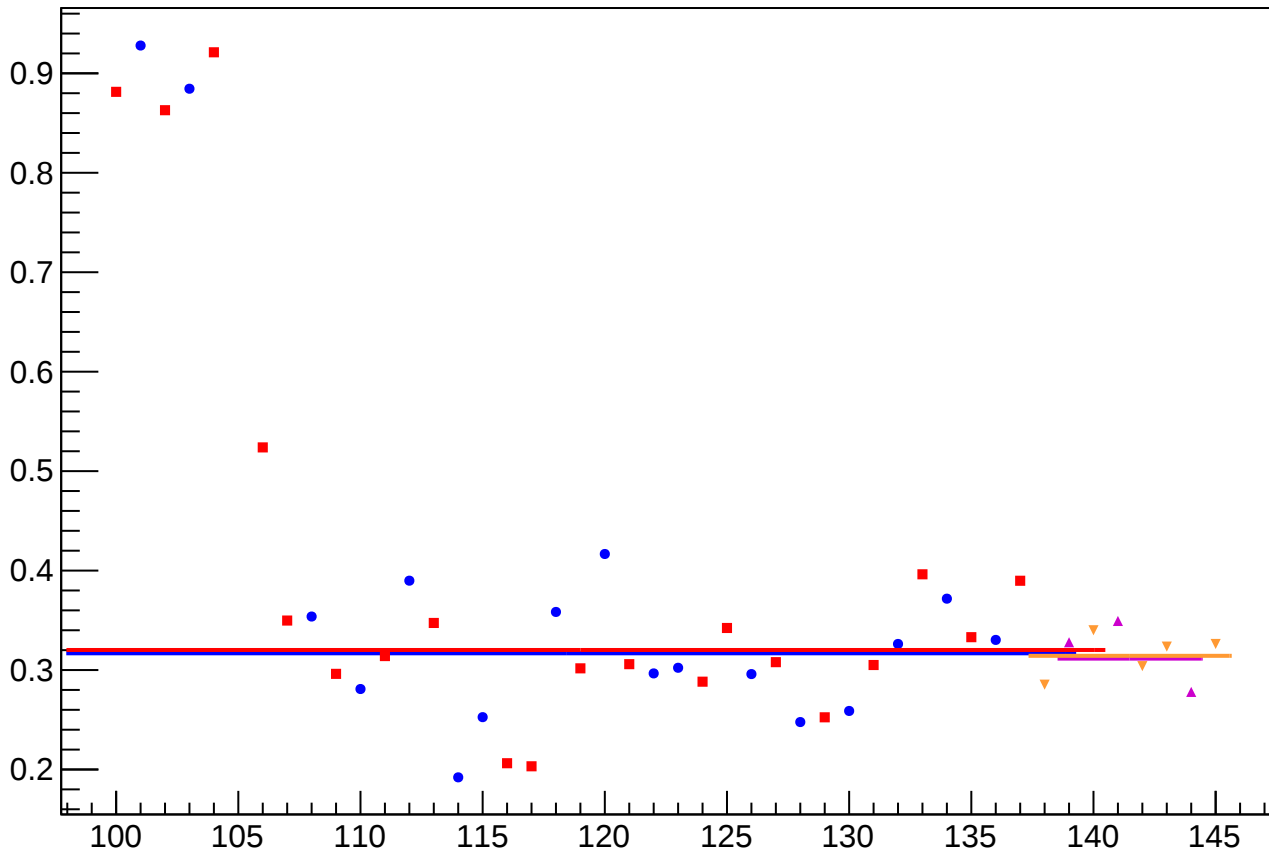
Right Out: 144.192 ± 0.000 χ^2/NDF : 4524049993.1/19

Left In: 148.834 ± 0.000 χ^2/NDF : 41661.3/2

145.599 ± 0.000 χ^2/NDF : 4051186409.5/21

145.540 ± 0.000 χ^2/NDF : 4883234514.2/22

yield_bcm_an_ds_rms vs Slug



Right In: 0.317+/-0.000 χ^2/NDF : 1278613.2/16

Left Out: 0.314+/-0.000 χ^2/NDF : 27403.8/4

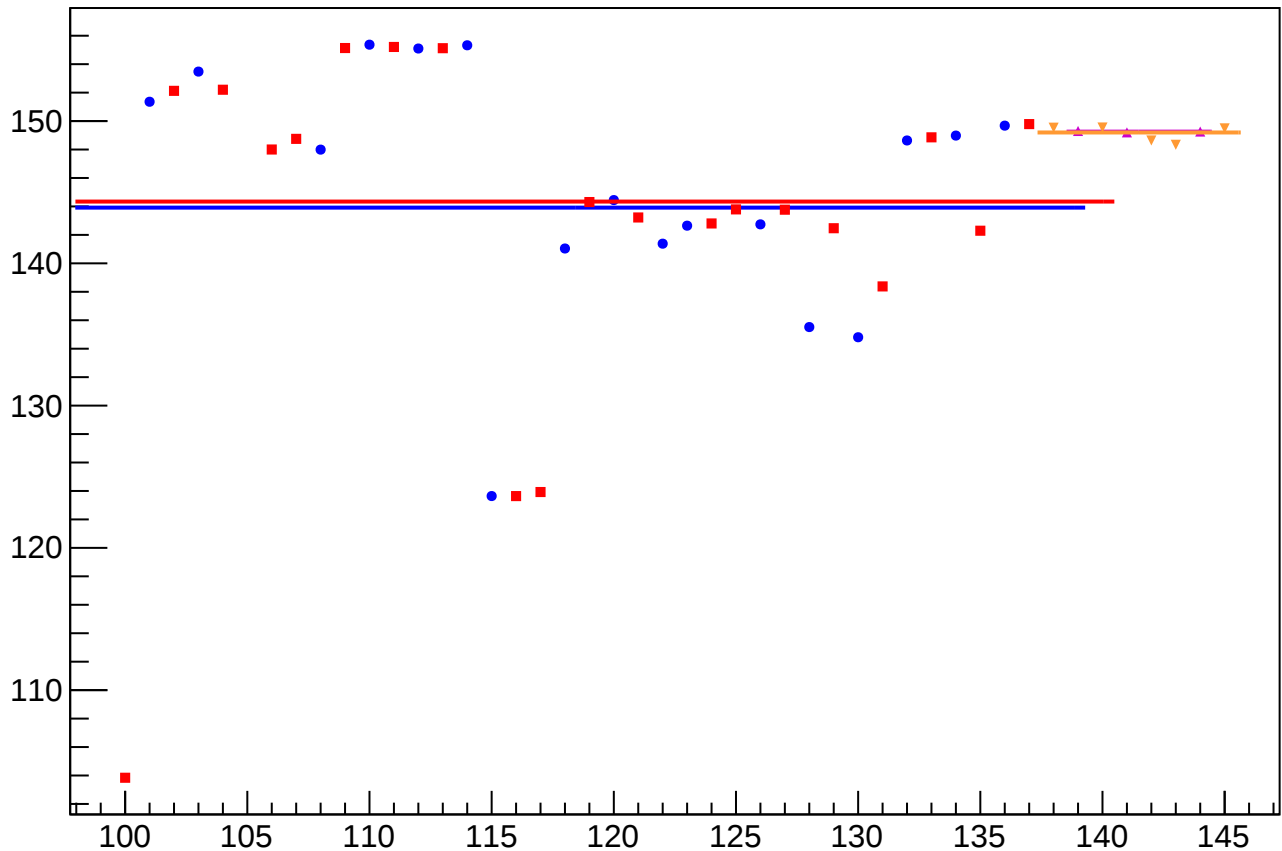
Right Out: 0.320+/-0.000 χ^2/NDF : 1240600.2/19

Left In: 0.311+/-0.000 χ^2/NDF : 46458.6/2

0.316+/-0.000 χ^2/NDF : 1306275.2/21

0.318+/-0.000 χ^2/NDF : 1289570.8/22

yield_bcm_an_ds3_mean vs Slug



Right In: 143.917 $\pm$ 0.000 χ^2 /NDF: 3584662767.5/16

Left Out: 149.199 $\pm$ 0.000 χ^2 /NDF: 7693039.4/4

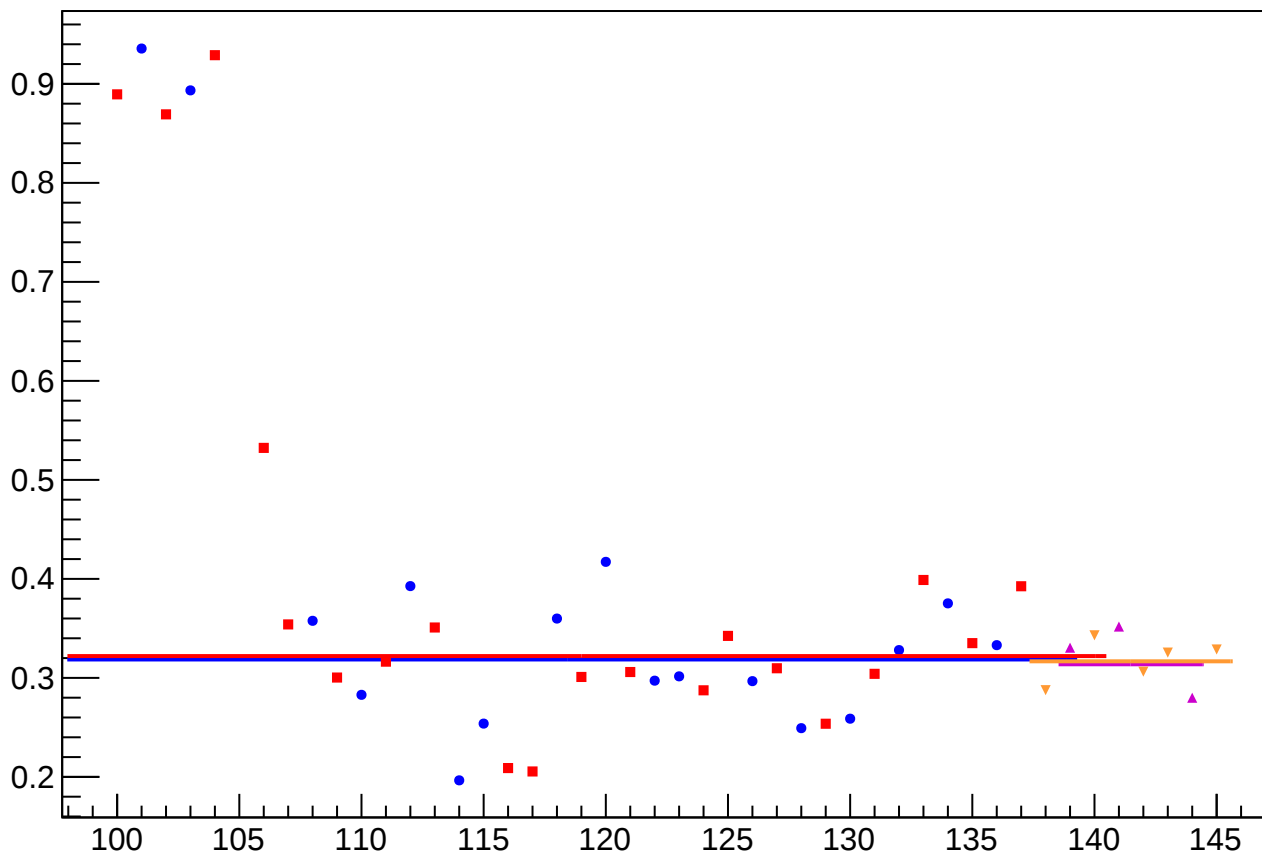
145.839 $\pm$ 0.000 χ^2 /NDF: 4151117217.4/21

Right Out: 144.342 $\pm$ 0.000 χ^2 /NDF: 4551365931.0/19

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

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

yield_bcm_an_ds3_rms vs Slug



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

Left Out: 0.317 ± 0.000 χ^2/NDF : 27446.8/4

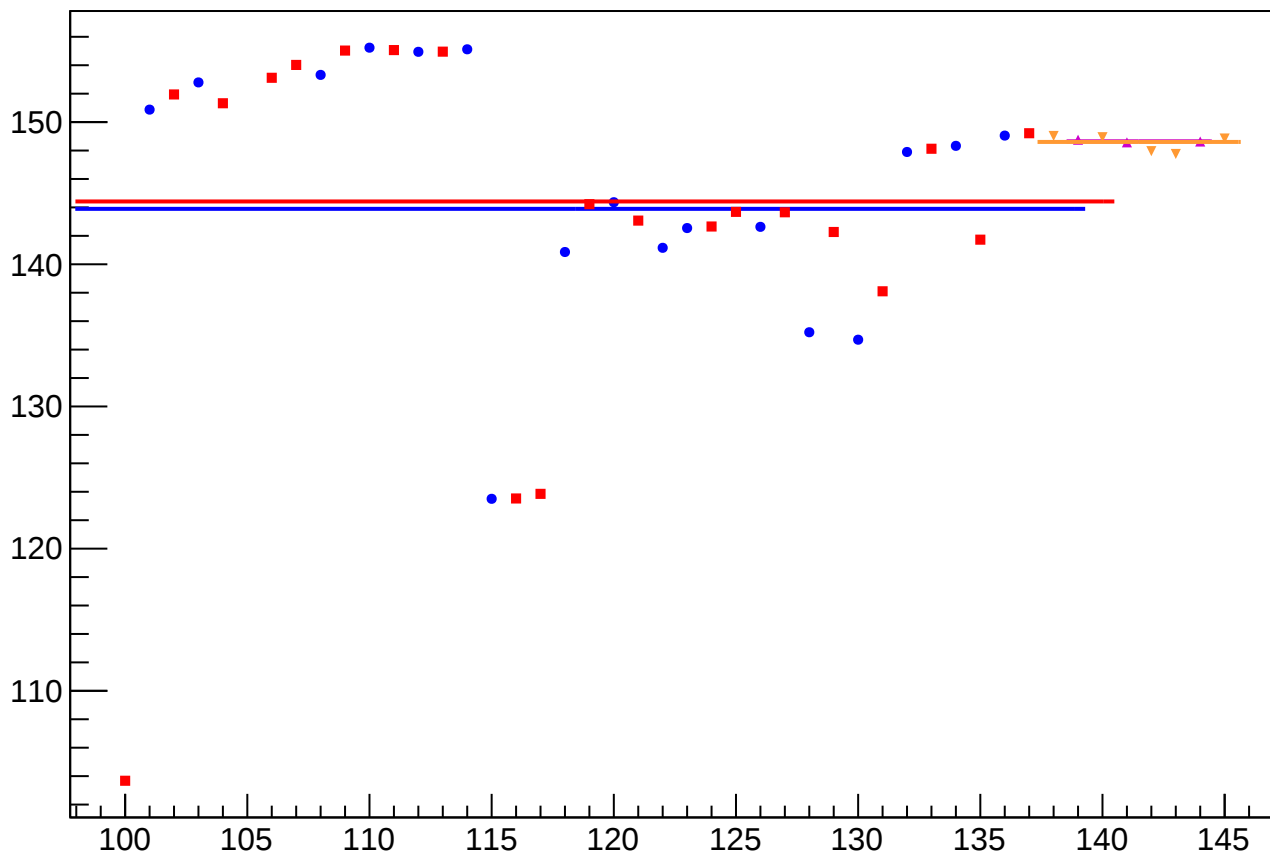
Right Out: 0.322 ± 0.000 χ^2/NDF : 1243109.0/19

Left In: 0.314 ± 0.000 χ^2/NDF : 46617.6/2

0.318 ± 0.000 χ^2/NDF : 1308334.2/21

0.320 ± 0.000 χ^2/NDF : 1291977.8/22

yield_bcm_an_us_mean vs Slug



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

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

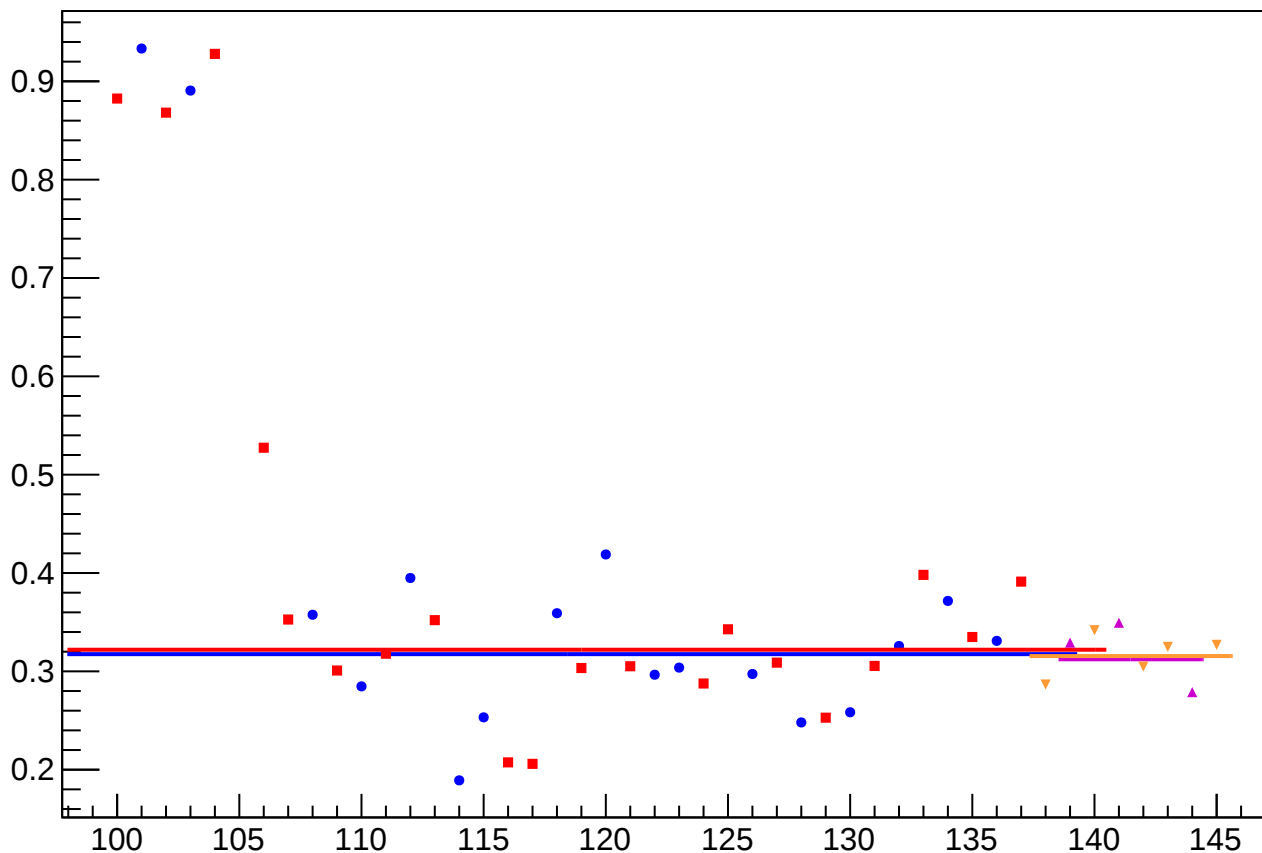
Right Out: 144.419 ± 0.000 χ^2/NDF : 4820290476.6/19

Left In: 148.651 ± 0.000 χ^2/NDF : 114091.4/2

145.614 ± 0.000 χ^2/NDF : 4204851635.6/21

145.653 ± 0.000 χ^2/NDF : 5116996074.2/22

yield_bcm_an_us_rms vs Slug



Right In: 0.317+/-0.000 χ^2/NDF : 1293179.2/16

Left Out: 0.316+/-0.000 χ^2/NDF : 27396.5/4

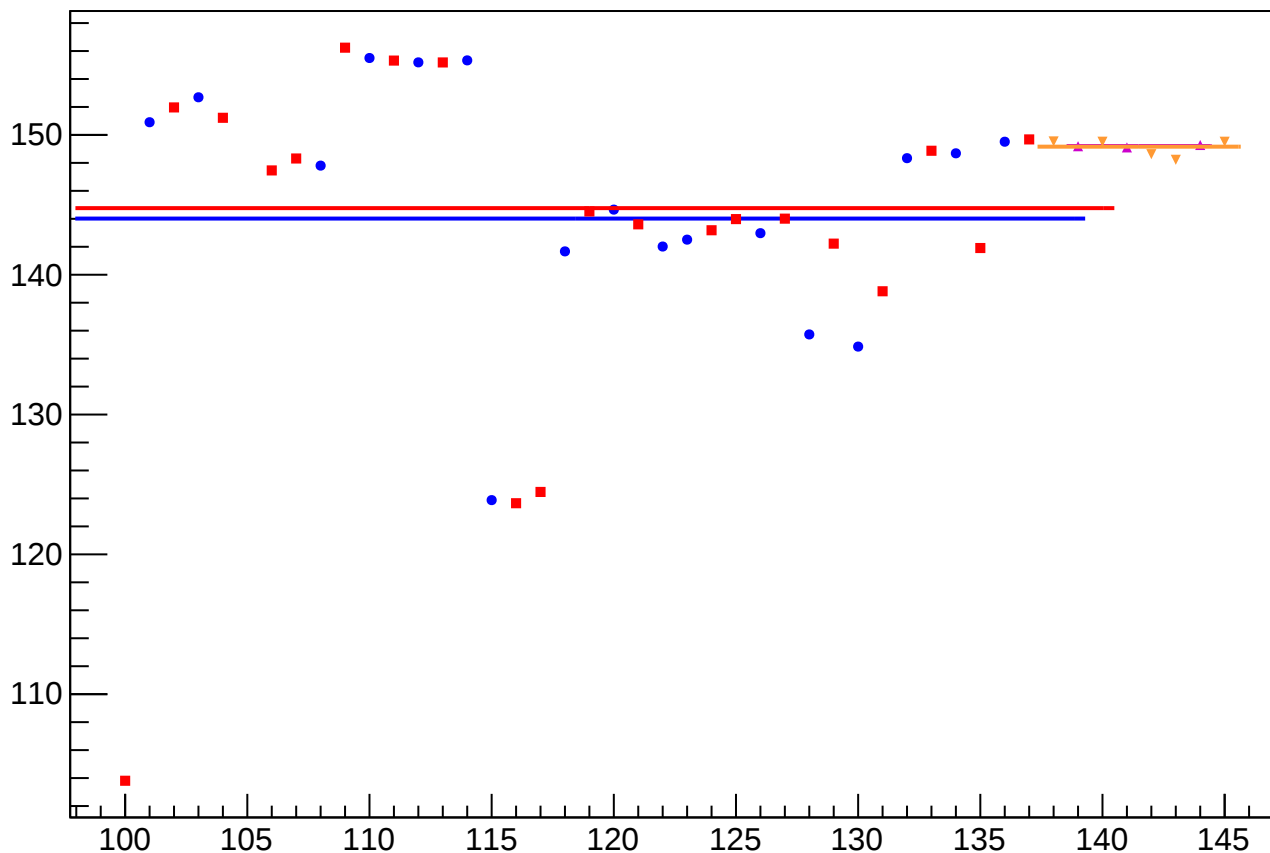
Right Out: 0.322+/-0.000 χ^2/NDF : 1243703.4/19

Left In: 0.312+/-0.000 χ^2/NDF : 45735.9/2

0.317+/-0.000 χ^2/NDF : 1320728.0/21

0.319+/-0.000 χ^2/NDF : 1292575.3/22

yield_bcm_dg_us_mean vs Slug



Right In: 144.018 ± 0.000 χ^2/NDF : 3238525527.6/16

Left Out: 149.160 ± 0.000 χ^2/NDF : 7976719.7/4

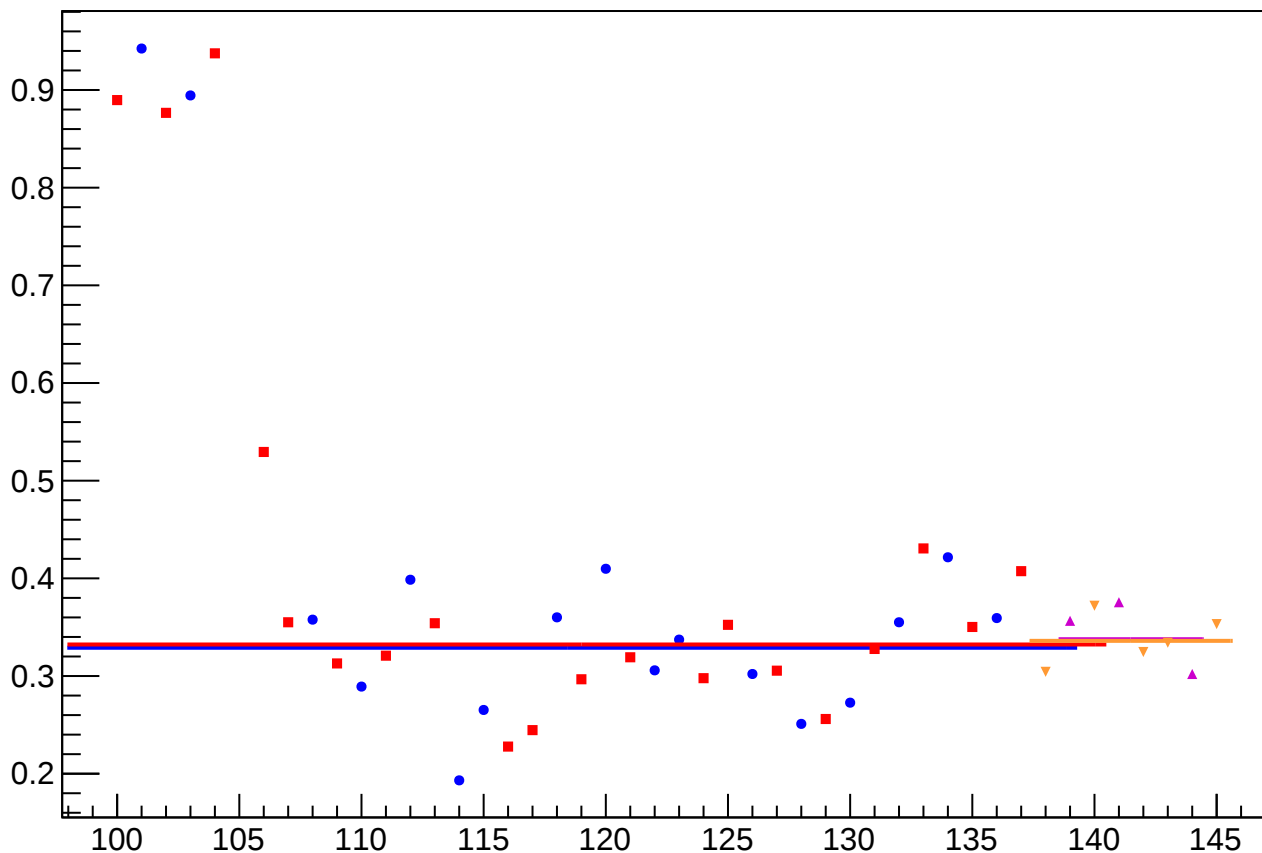
Right Out: 144.764 ± 0.000 χ^2/NDF : 4098462011.9/19

Left In: 149.207 ± 0.000 χ^2/NDF : 105773.2/2

145.815 ± 0.000 χ^2/NDF : 3721470954.5/21

145.967 ± 0.000 χ^2/NDF : 4383510851.3/22

yield_bcm_dg_us_rms vs Slug



Right In: 0.329+/-0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.336+/-0.000 χ^2/NDF : 33882.6/4

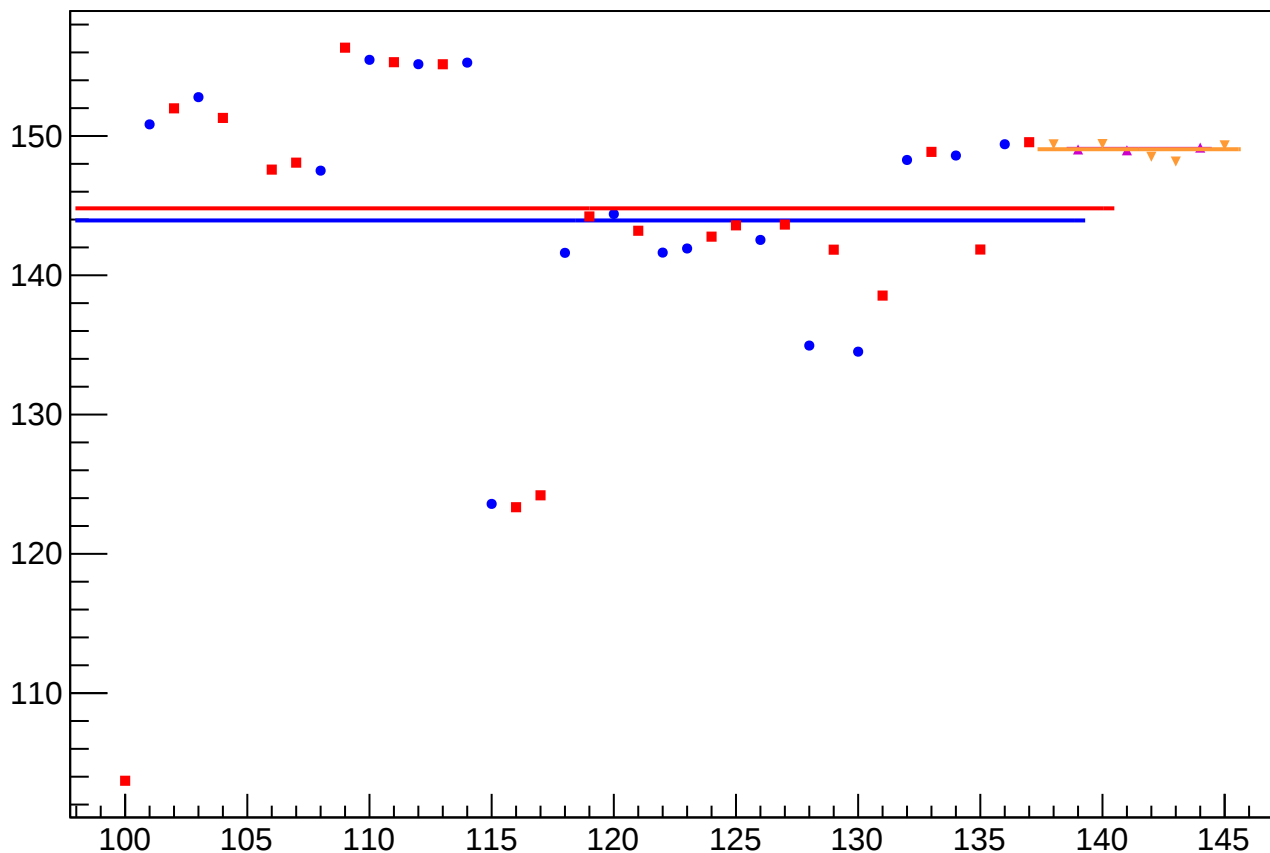
Right Out: 0.332+/-0.000 χ^2/NDF : 1191637.2/19

Left In: 0.338+/-0.000 χ^2/NDF : 42771.3/2

0.331+/-0.000 χ^2/NDF : 1311791.2/21

0.334+/-0.000 χ^2/NDF : 1235252.0/22

yield_bcm_dg_ds_mean vs Slug



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

Left Out: 149.050 ± 0.000 χ^2/NDF : 7023551.4/4

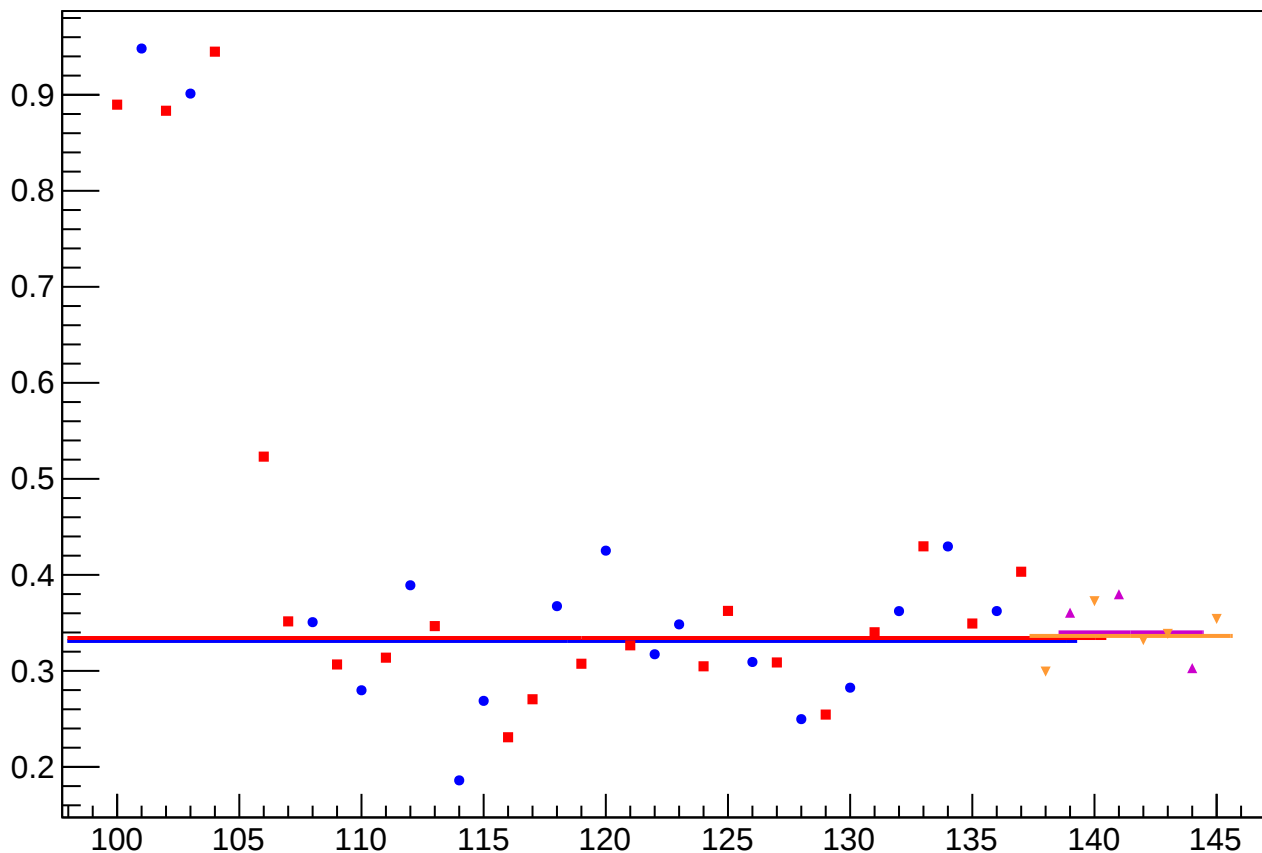
Right Out: 144.806 ± 0.000 χ^2/NDF : 4139087143.3/19

Left In: 149.077 ± 0.000 χ^2/NDF : 141303.1/2

145.735 ± 0.000 χ^2/NDF : 3850543747.3/21

145.955 ± 0.000 χ^2/NDF : 4397637102.0/22

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331 ± 0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.336 ± 0.000 χ^2/NDF : 39434.2/4

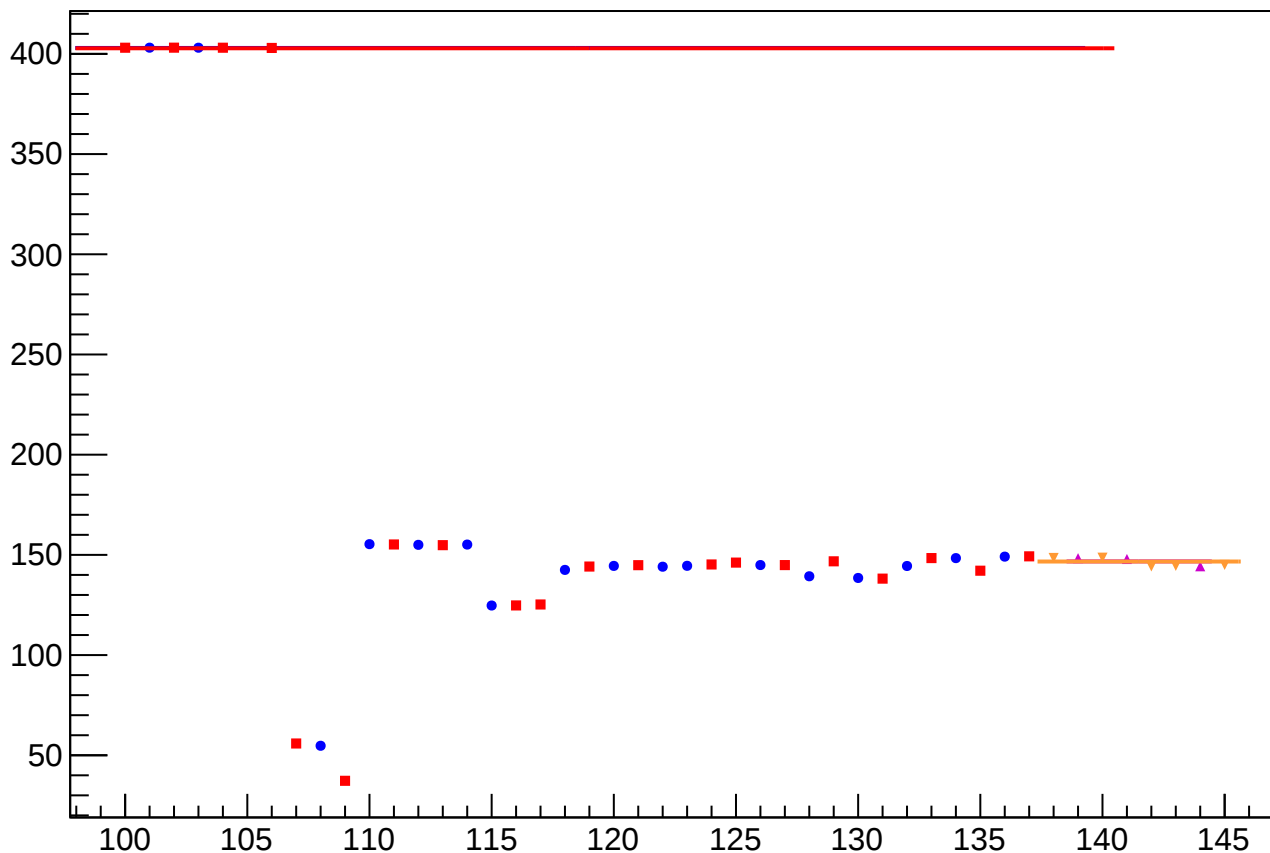
Right Out: 0.334 ± 0.000 χ^2/NDF : 1176170.4/19

Left In: 0.340 ± 0.000 χ^2/NDF : 46298.9/2

0.333 ± 0.000 χ^2/NDF : 1336157.4/21

0.336 ± 0.000 χ^2/NDF : 1223442.9/22

yield_cav4bQ_mean vs Slug



Right In: 402.957+/-0.000 χ^2/NDF : 1096710296821.6/16

Left Out: 146.685+/-0.000 χ^2/NDF : 22004344.8/4

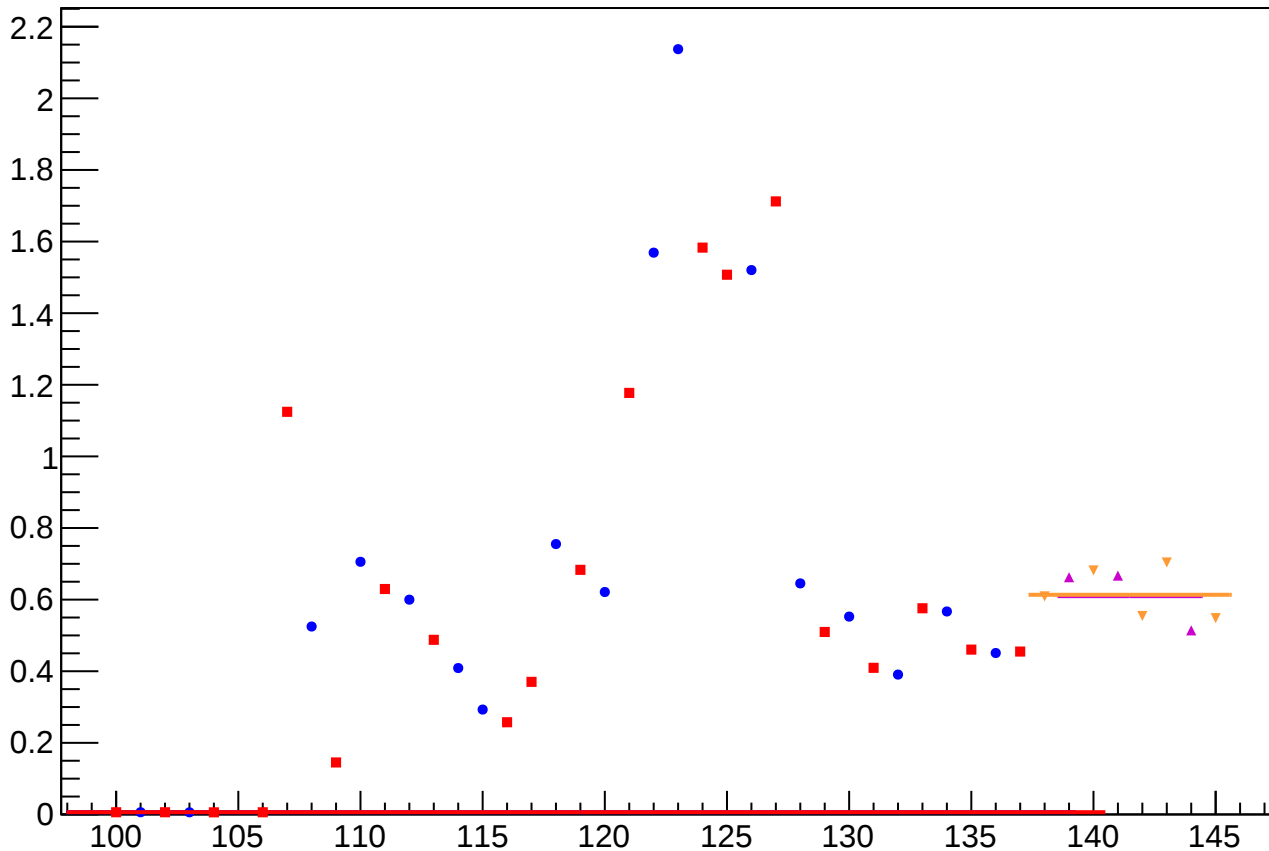
Right Out: 402.797+/-0.000 χ^2/NDF : 3122752044607.2/19

Left In: 146.743+/-0.000 χ^2/NDF : 15088824.8/2

402.909+/-0.000 χ^2/NDF : 1483160780652.4/21

402.765+/-0.000 χ^2/NDF : 3411472422935.1/22

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.614+/-0.000 χ^2/NDF : 40668.7/4

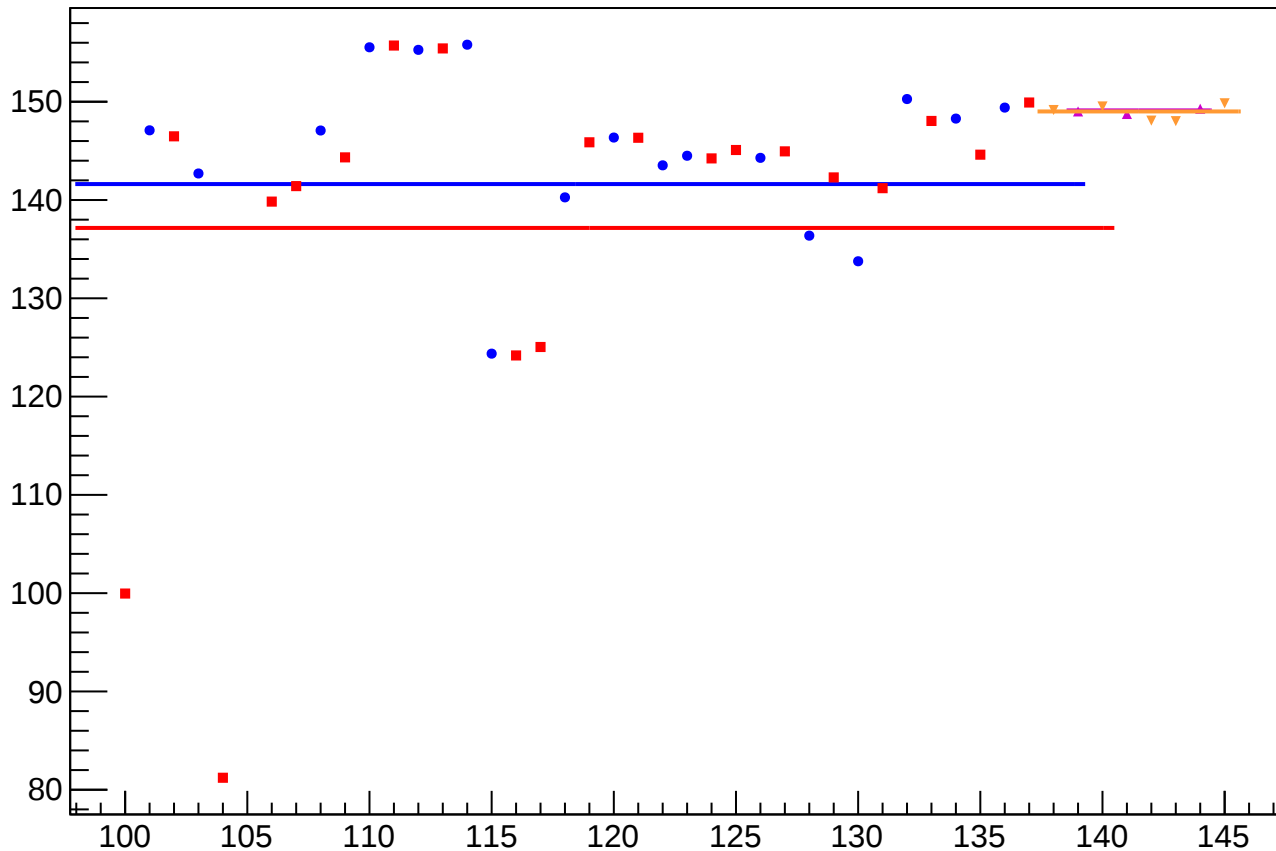
Right Out: 0.006+/-0.000 χ^2/NDF : 9277290.2/19

Left In: 0.610+/-0.000 χ^2/NDF : 46437.3/2

0.006+/-0.000 χ^2/NDF : 13540023.6/21

0.006+/-0.000 χ^2/NDF : 12530041.0/22

yield_cav4cQ_mean vs Slug



Right In: 141.622+/-0.000 χ^2/NDF : 982037737.7/16

Left Out: 149.011+/-0.000 χ^2/NDF : 6470015.1/4

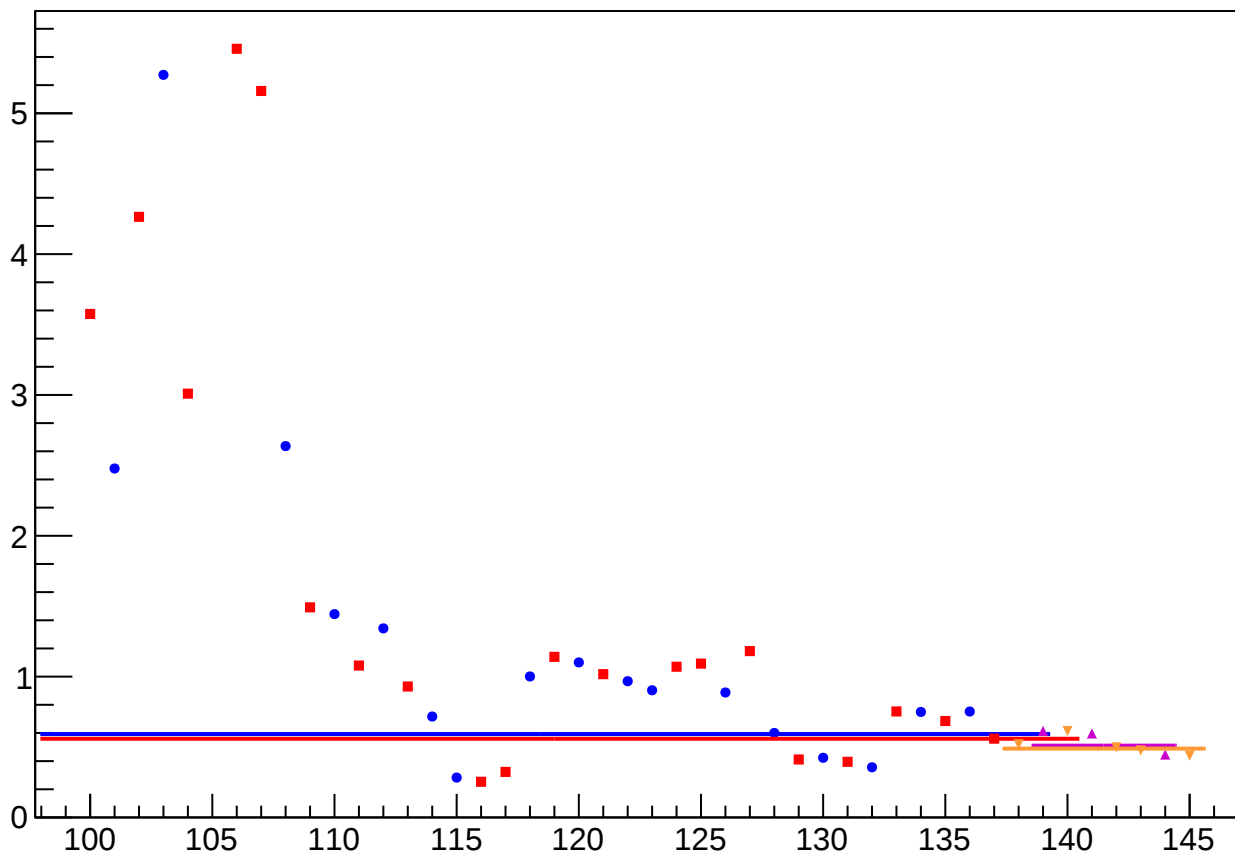
145.319+/-0.000 χ^2/NDF : 1264928795.5/21

Right Out: 137.160+/-0.000 χ^2/NDF : 1365742338.8/19

141.444+/-0.000 χ^2/NDF : 1927223017.2/22

Left In: 149.120+/-0.000 χ^2/NDF : 303128.9/2

yield_cav4cQ_rms vs Slug



Right In: 0.592 ± 0.000 χ^2/NDF : 3521577.2/16

Left Out: 0.489 ± 0.000 χ^2/NDF : 59481.9/4

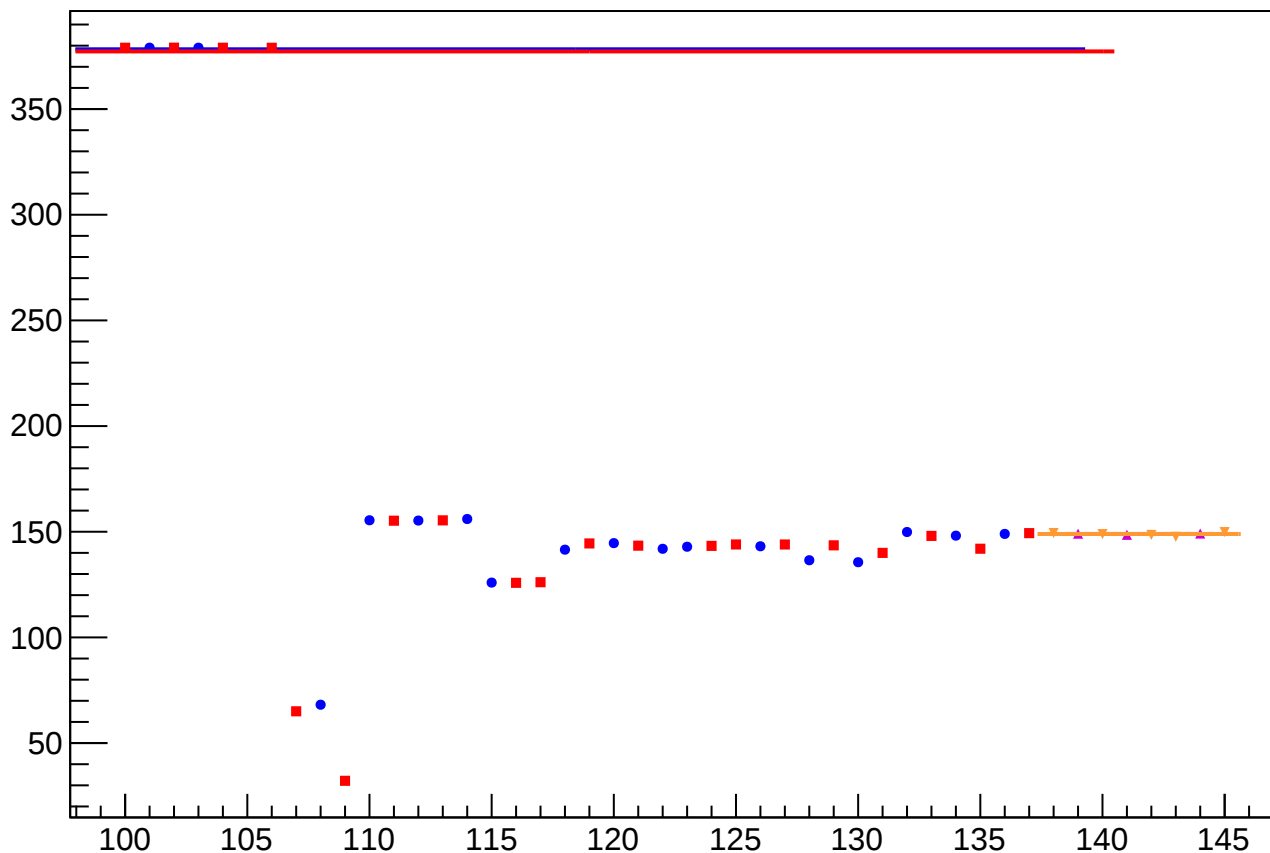
Right Out: 0.559 ± 0.000 χ^2/NDF : 4719868.1/19

Left In: 0.510 ± 0.000 χ^2/NDF : 73207.2/2

0.541 ± 0.000 χ^2/NDF : 3689241.4/21

0.541 ± 0.000 χ^2/NDF : 4811910.1/22

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16

Left Out: 148.938+/-0.000 χ^2/NDF :13719789.2/4

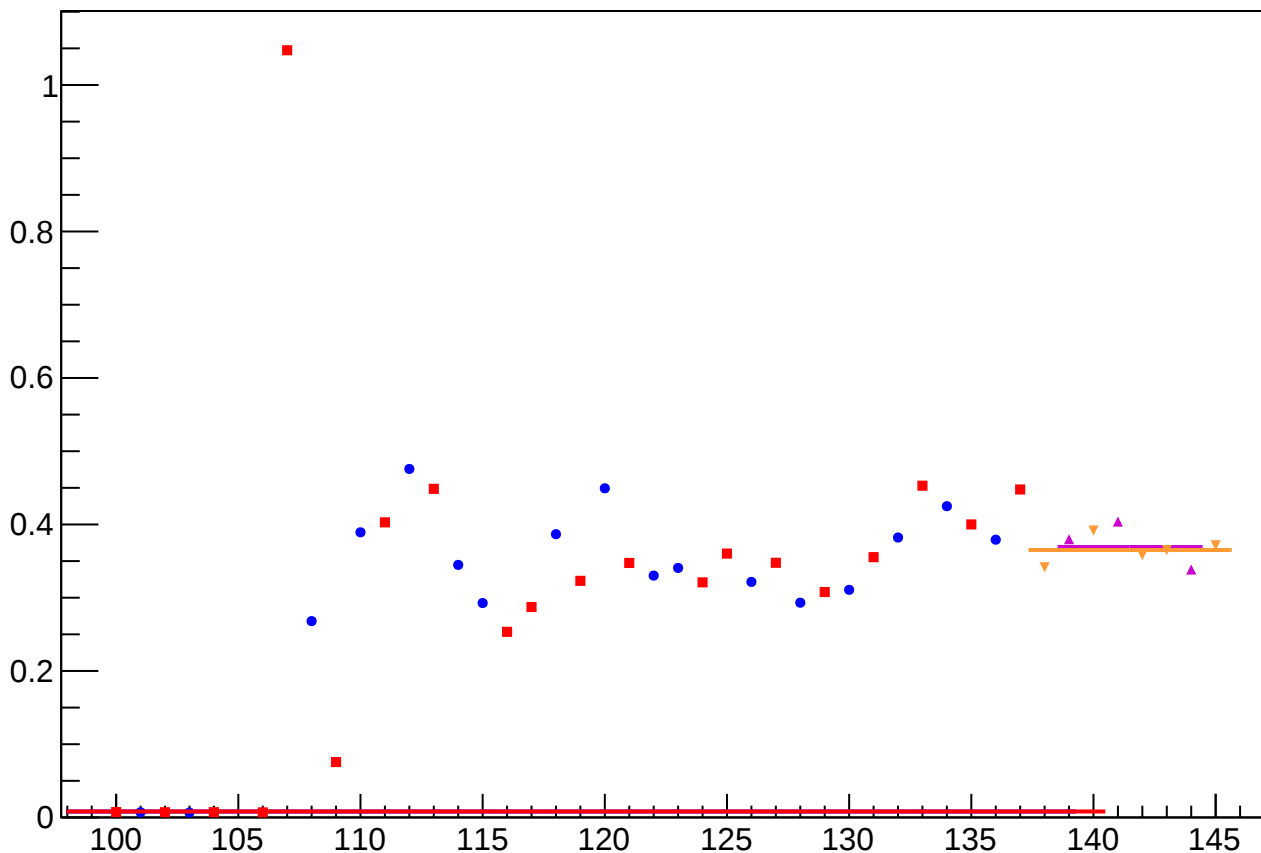
Right Out: 377.282+/-0.000 χ^2/NDF : 8306405788315.4/19

Left In: 148.946+/-0.000 χ^2/NDF :1170016.5/2

377.870+/-0.000 χ^2/NDF : 3769129786939.0/21

377.029+/-0.000 χ^2/NDF : 9185002199325.6/22

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.365+/-0.000 χ^2/NDF : 14869.0/4

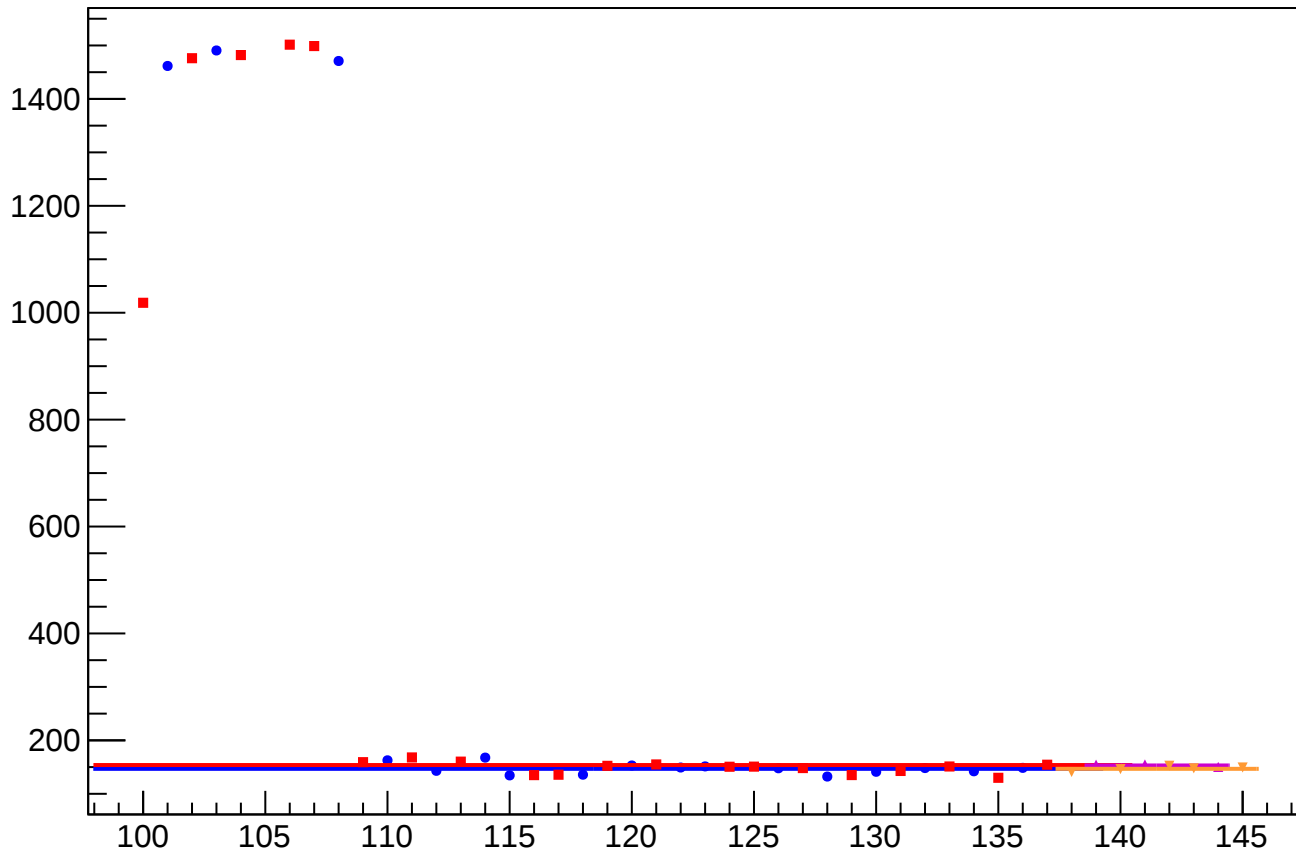
Right Out: 0.008+/-0.000 χ^2/NDF : 9601959.4/19

Left In: 0.369+/-0.000 χ^2/NDF : 26936.7/2

0.009+/-0.000 χ^2/NDF : 15992033.3/21

0.009+/-0.000 χ^2/NDF : 14023063.9/22

yield_bcm0l02_mean vs Slug



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 146.736+/-0.001 χ^2/NDF : 45705562.5/4

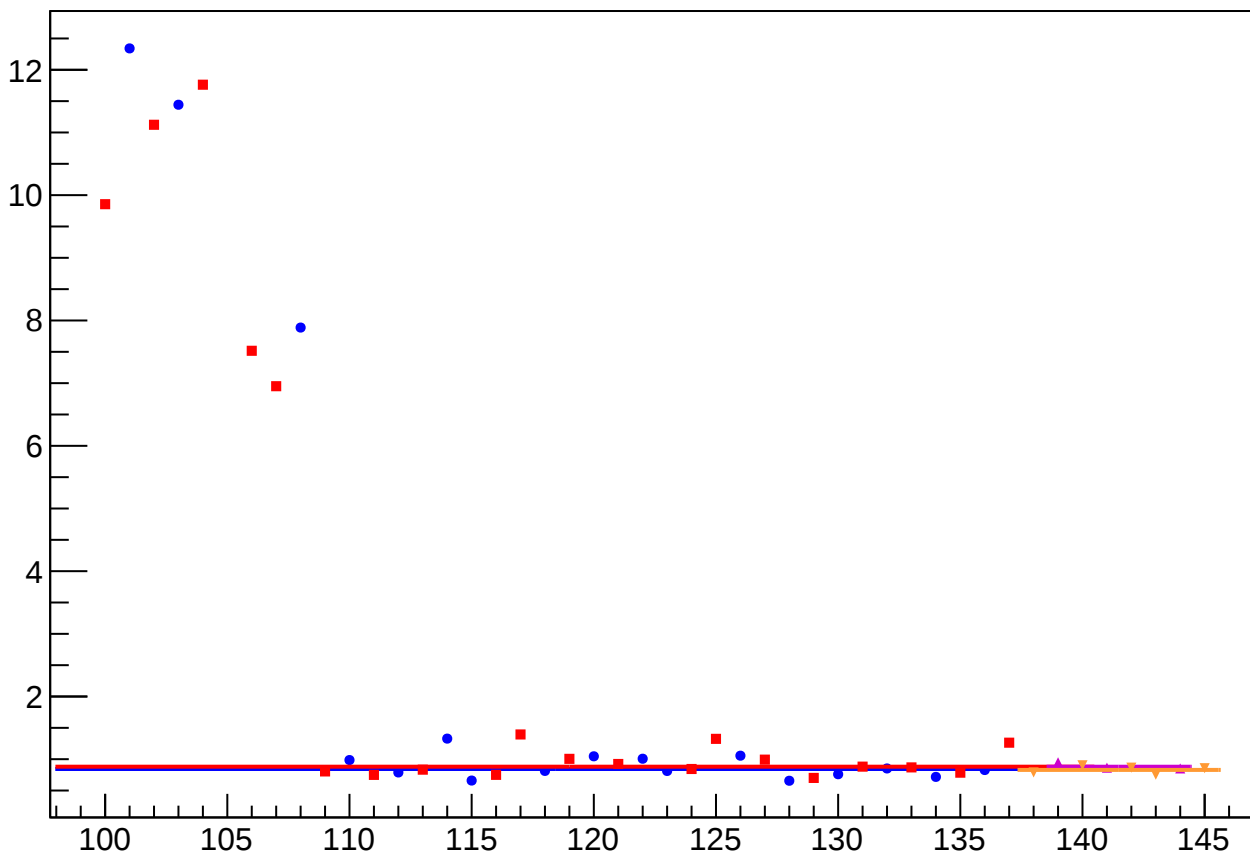
146.728+/-0.000 χ^2/NDF : 24396576473.9/21

Right Out: 153.818+/-0.000 χ^2/NDF : 33744777744.4/19

153.580+/-0.000 χ^2/NDF : 33757000837.3/22

Left In: 153.018+/-0.001 χ^2/NDF : 11212734.3/2

yield_bcm0l02_rms vs Slug



Right In: 0.844+/-0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.829+/-0.000 χ^2/NDF : 20459.3/4

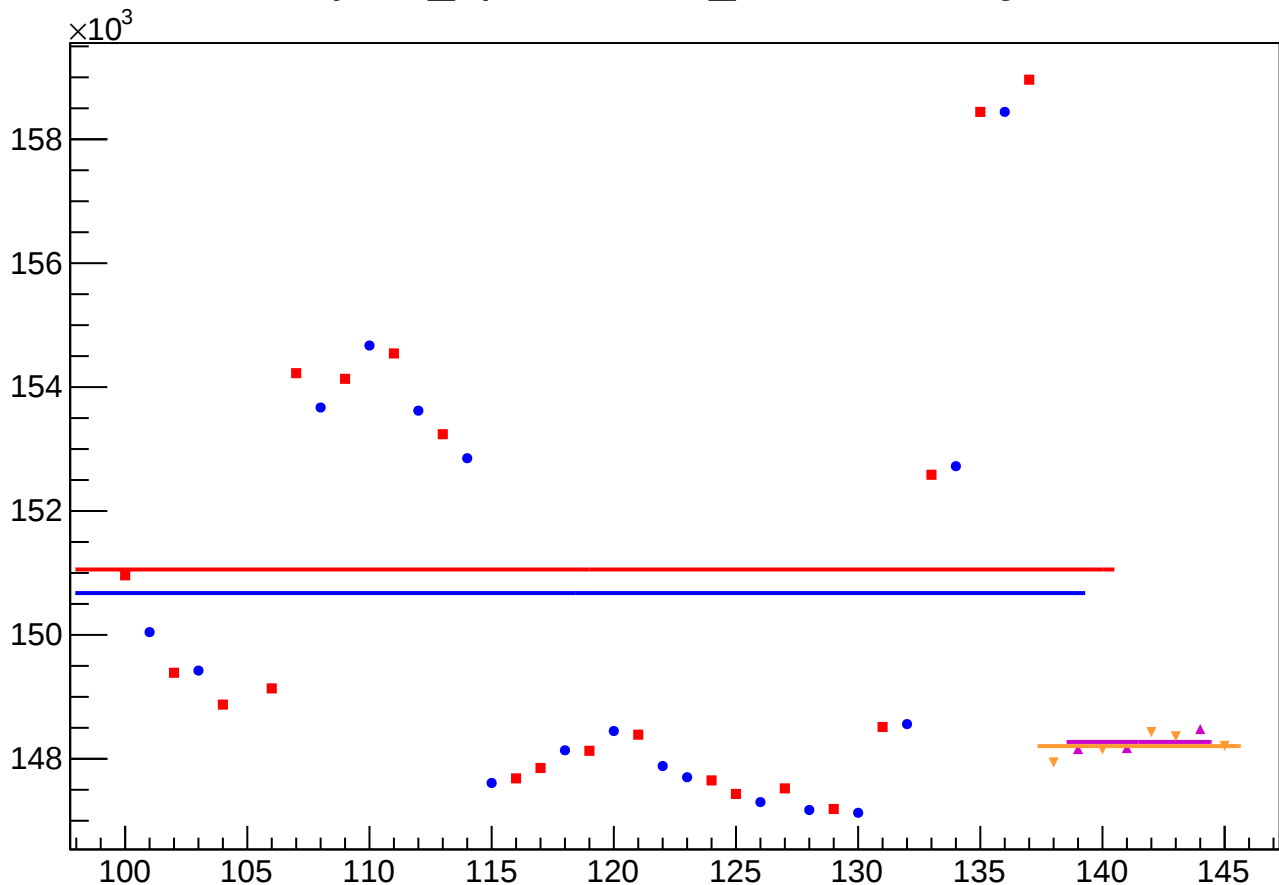
Right Out: 0.880+/-0.000 χ^2/NDF : 2823230.1/19

Left In: 0.880+/-0.000 χ^2/NDF : 6935.9/2

0.838+/-0.000 χ^2/NDF : 2691818.9/21

0.880+/-0.000 χ^2/NDF : 2830167.3/22

yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 $\pm$ 0.063 χ^2 /NDF: 3309974859.4/16

Left Out: 148205.118 $\pm$ 0.098 χ^2 /NDF:3020313.6/4

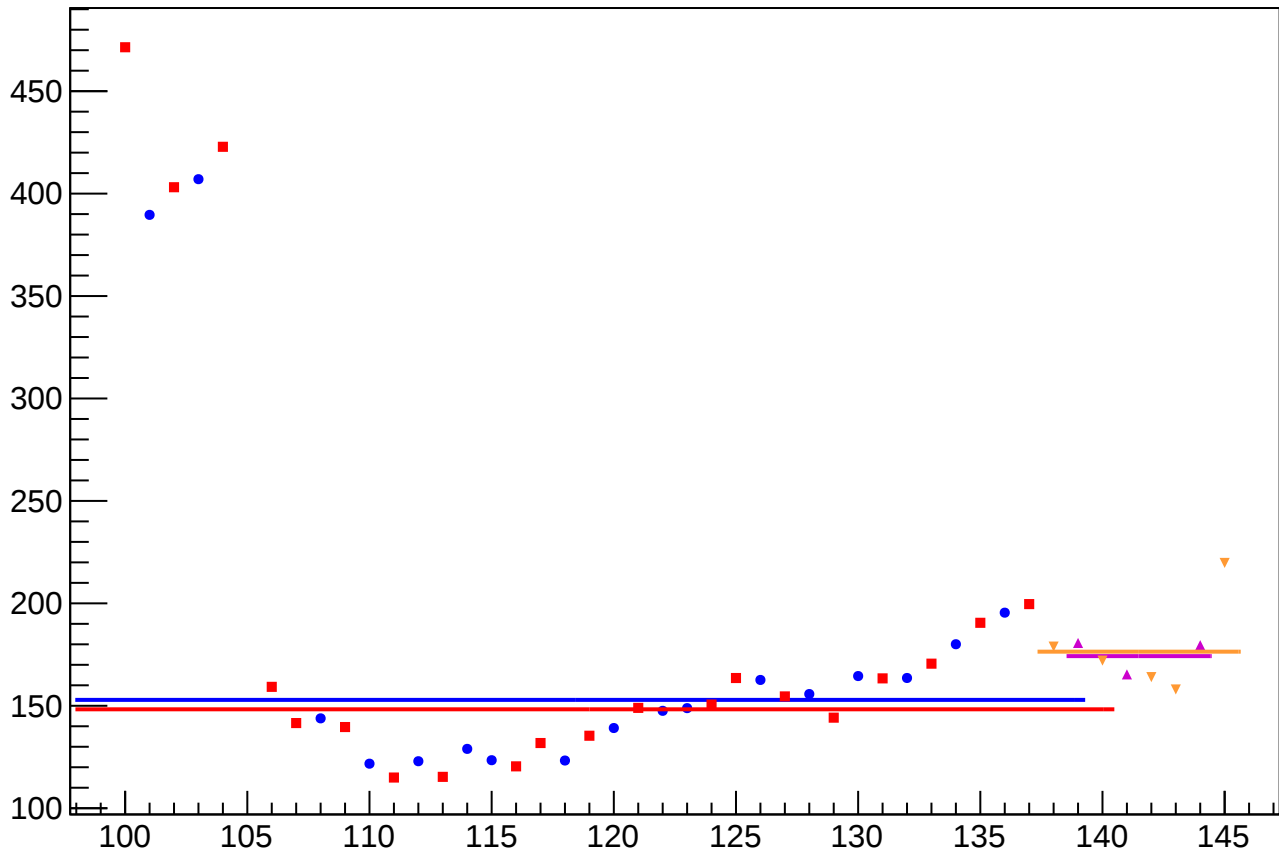
Right Out: 151056.044 $\pm$ 0.059 χ^2 /NDF: 3325519080.9/19

Left In: 148272.664 $\pm$ 0.114 χ^2 /NDF:1705512.1/2

149958.218 $\pm$ 0.053 χ^2 /NDF: 3759609969.7/21

150456.993 $\pm$ 0.053 χ^2 /NDF: 3799158419.1/22

yield_bpm0i01WS_rms vs Slug



Right In: 152.883 ± 0.045 χ^2/NDF : 1154088.7/16

Left Out: 176.418 ± 0.070 χ^2/NDF : 81335.7/4

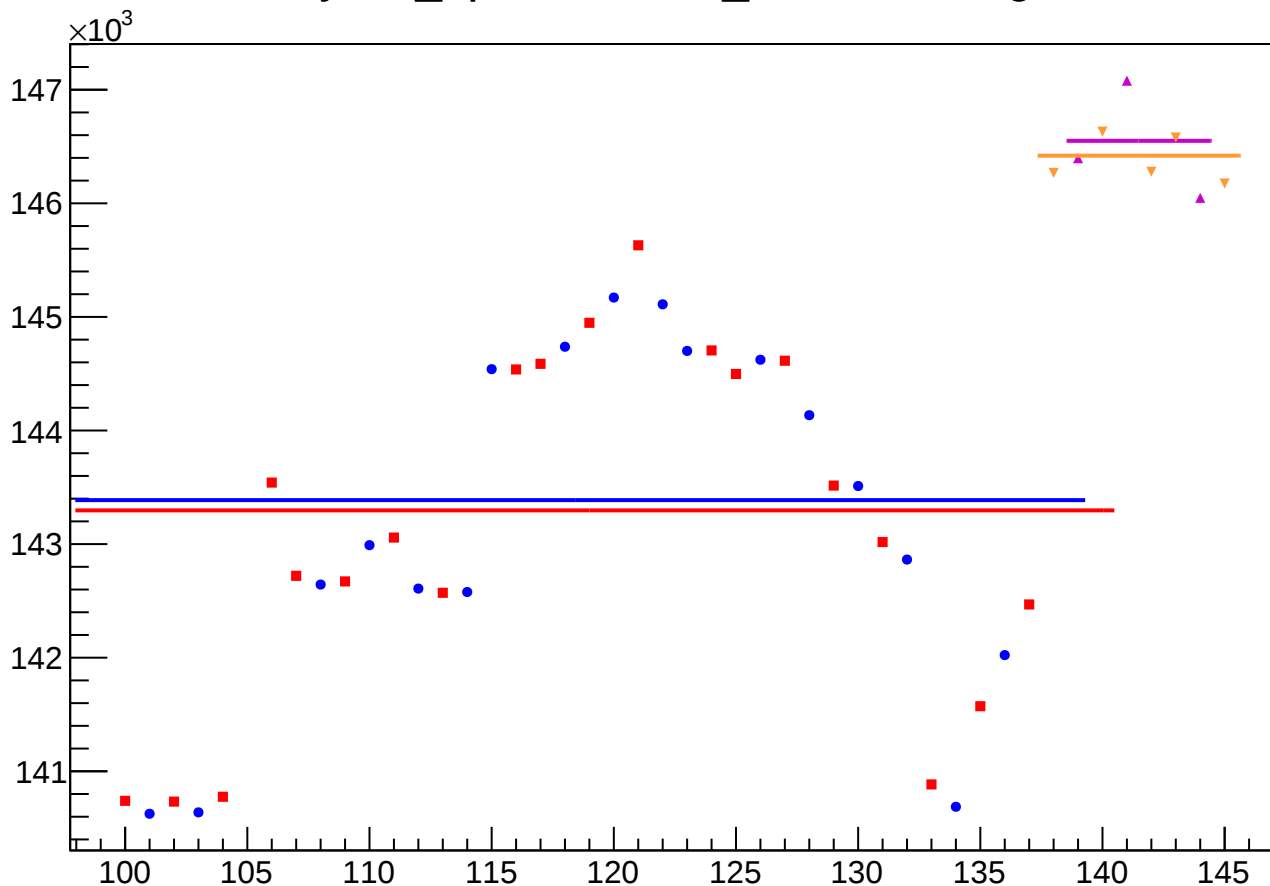
159.713 ± 0.038 χ^2/NDF : 1316525.6/21

Right Out: 148.278 ± 0.042 χ^2/NDF : 1192879.8/19

153.867 ± 0.037 χ^2/NDF : 1283097.7/22

Left In: 174.243 ± 0.080 χ^2/NDF : 8078.9/2

yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099 $\pm$ 0.053 χ^2 /NDF: 521299875.7/16

Left Out: 146419.602 $\pm$ 0.098 χ^2 /NDF: 3547711.7/4

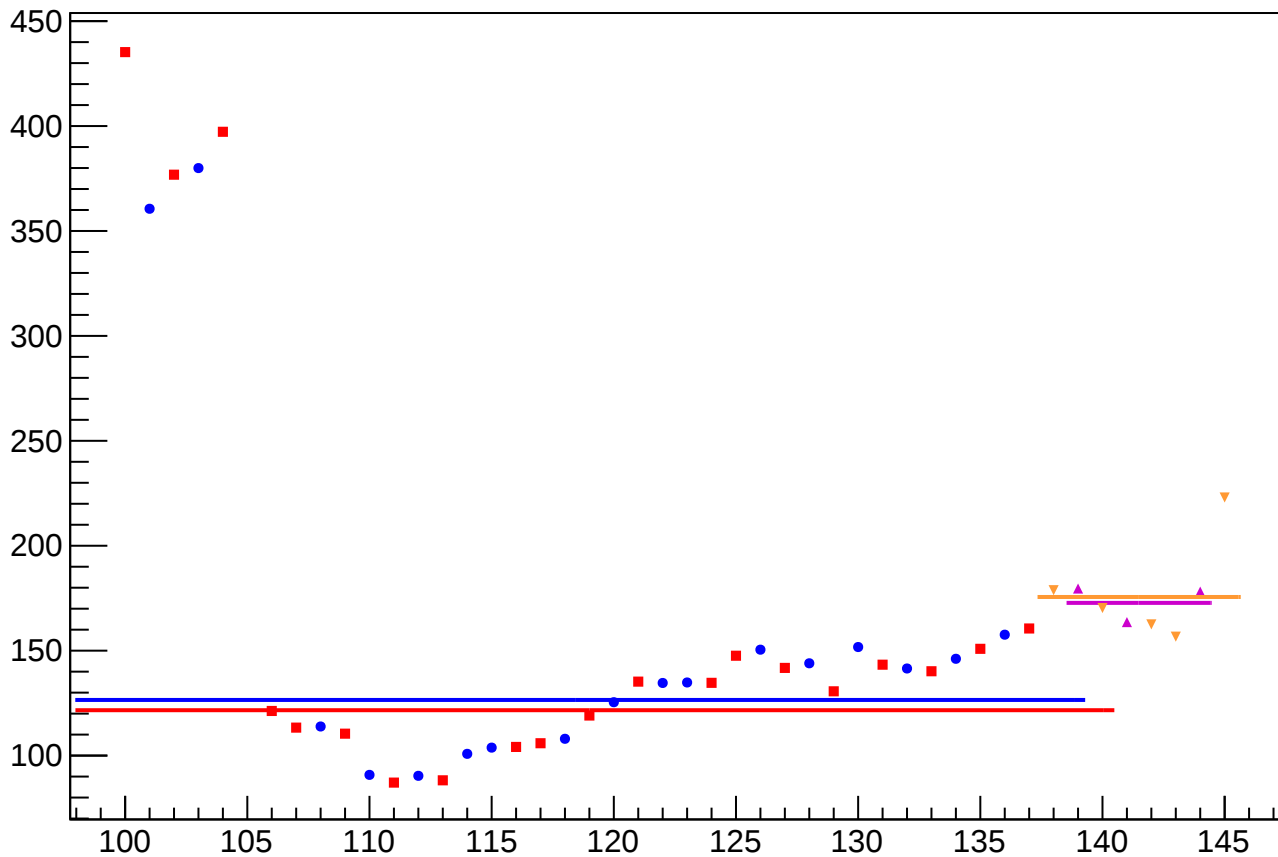
Right Out: 143296.790 $\pm$ 0.049 χ^2 /NDF: 615134284.0/19

Left In: 146550.052 $\pm$ 0.113 χ^2 /NDF: 15983539.7/2

144066.884 $\pm$ 0.046 χ^2 /NDF: 1266427407.1/21

143813.109 $\pm$ 0.045 χ^2 /NDF: 1334341708.9/22

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 ± 0.037 χ^2/NDF : 1441685.0/16

Left Out: 175.582 ± 0.069 χ^2/NDF : 93215.6/4

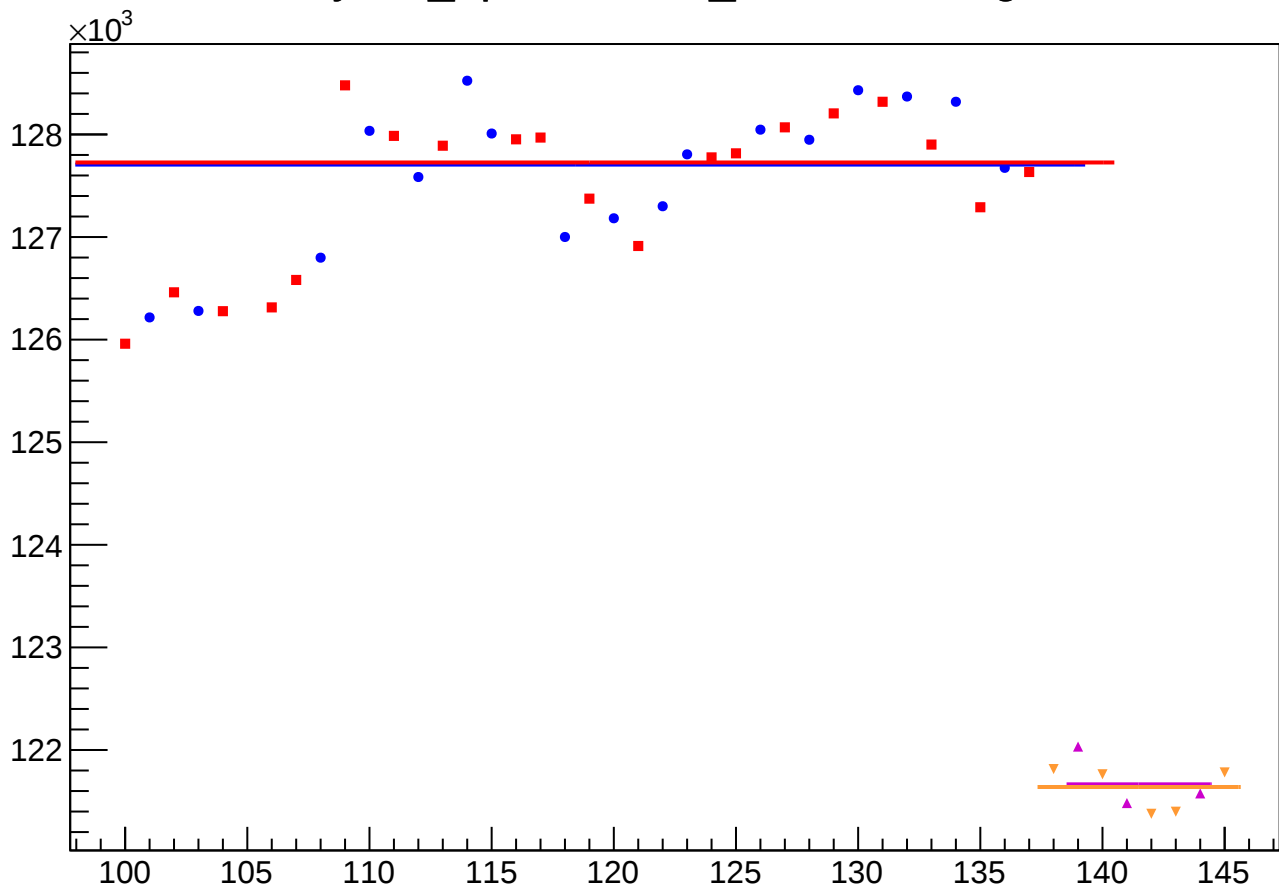
Right Out: 121.625 ± 0.035 χ^2/NDF : 1465763.8/19

Left In: 172.772 ± 0.080 χ^2/NDF : 8757.3/2

137.513 ± 0.033 χ^2/NDF : 1923216.2/21

129.743 ± 0.032 χ^2/NDF : 1822147.1/22

yield_bpm0l01WS_mean vs Slug



Right In: 127706.194 ± 0.058 $\chi^2/\text{NDF}: 97860521.1/16$

Left Out: 121639.274 ± 0.083 $\chi^2/\text{NDF}: 5372688.8/4$

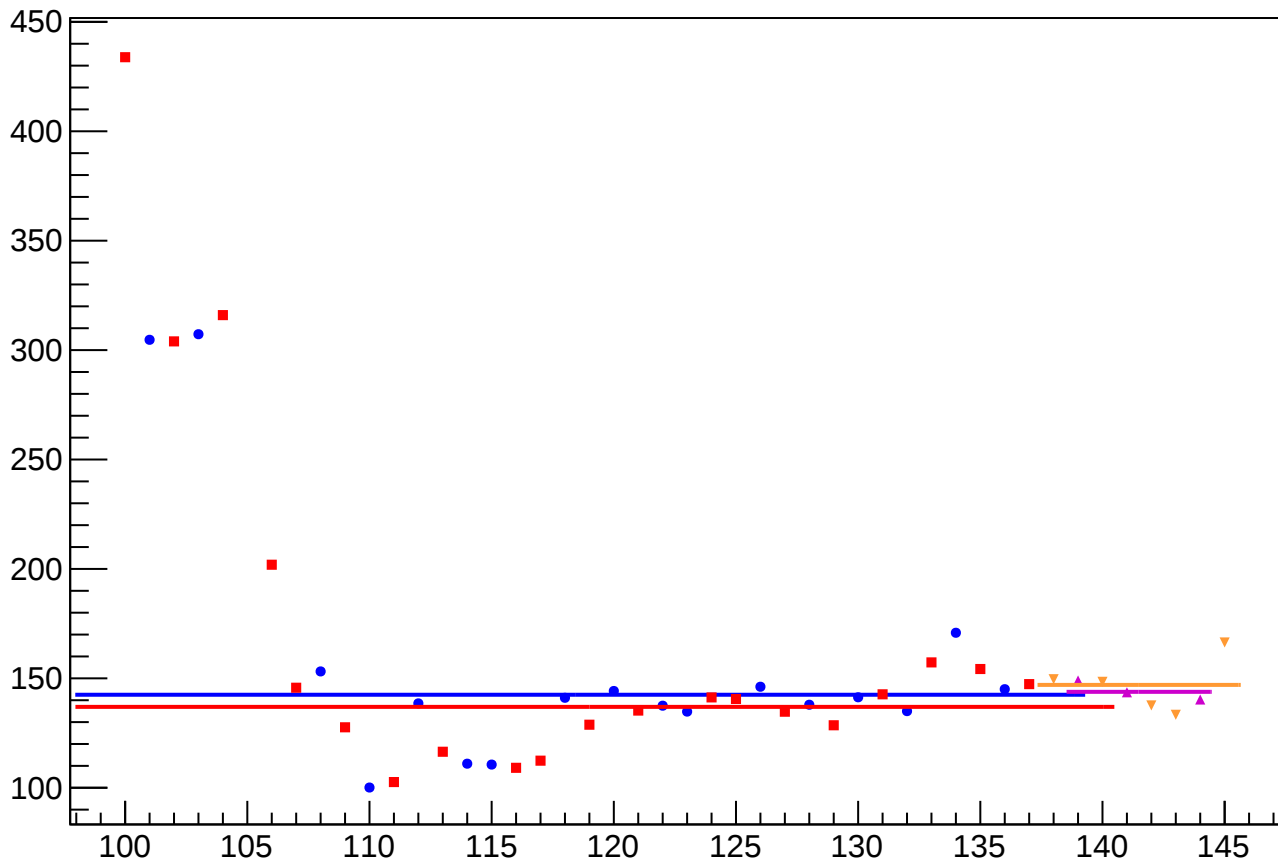
Right Out: 127726.708 ± 0.054 $\chi^2/\text{NDF}: 112816704.3/19$

Left In: 121665.196 ± 0.094 $\chi^2/\text{NDF}: 5770897.4/2$

125704.052 ± 0.048 $\chi^2/\text{NDF}: 3706696240.7/21$

126212.822 ± 0.047 $\chi^2/\text{NDF}: 3236158802.2/22$

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 ± 0.041 χ^2/NDF : 836263.7/16

Left Out: 147.003 ± 0.058 χ^2/NDF : 36498.0/4

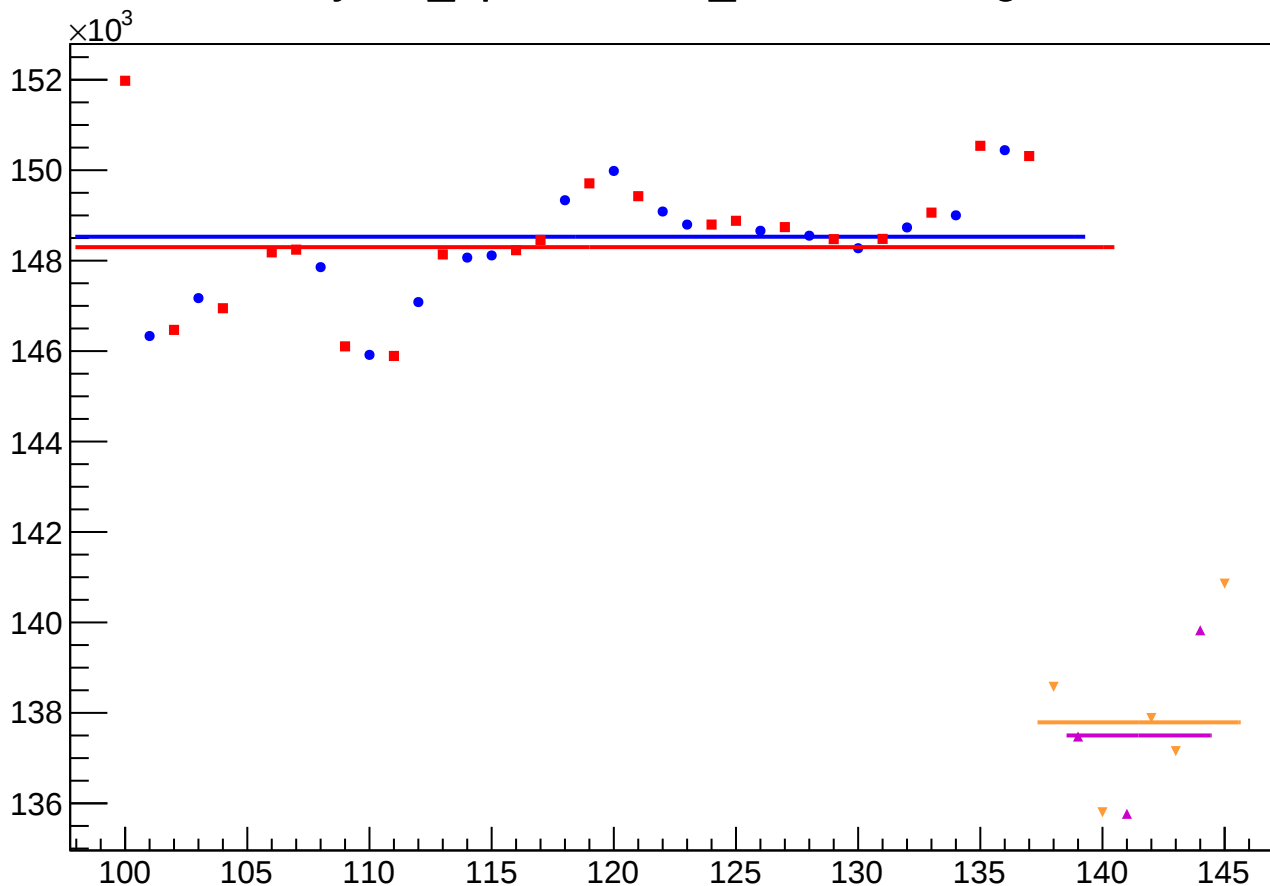
Right Out: 136.963 ± 0.038 χ^2/NDF : 961465.0/19

Left In: 143.833 ± 0.066 χ^2/NDF : 2671.0/2

143.987 ± 0.034 χ^2/NDF : 876729.5/21

138.679 ± 0.033 χ^2/NDF : 972143.8/22

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 ± 0.082 $\chi^2/\text{NDF}: 209986594.2/16$

Left Out: 137790.925 ± 0.126 $\chi^2/\text{NDF}: 178224756.9/4$

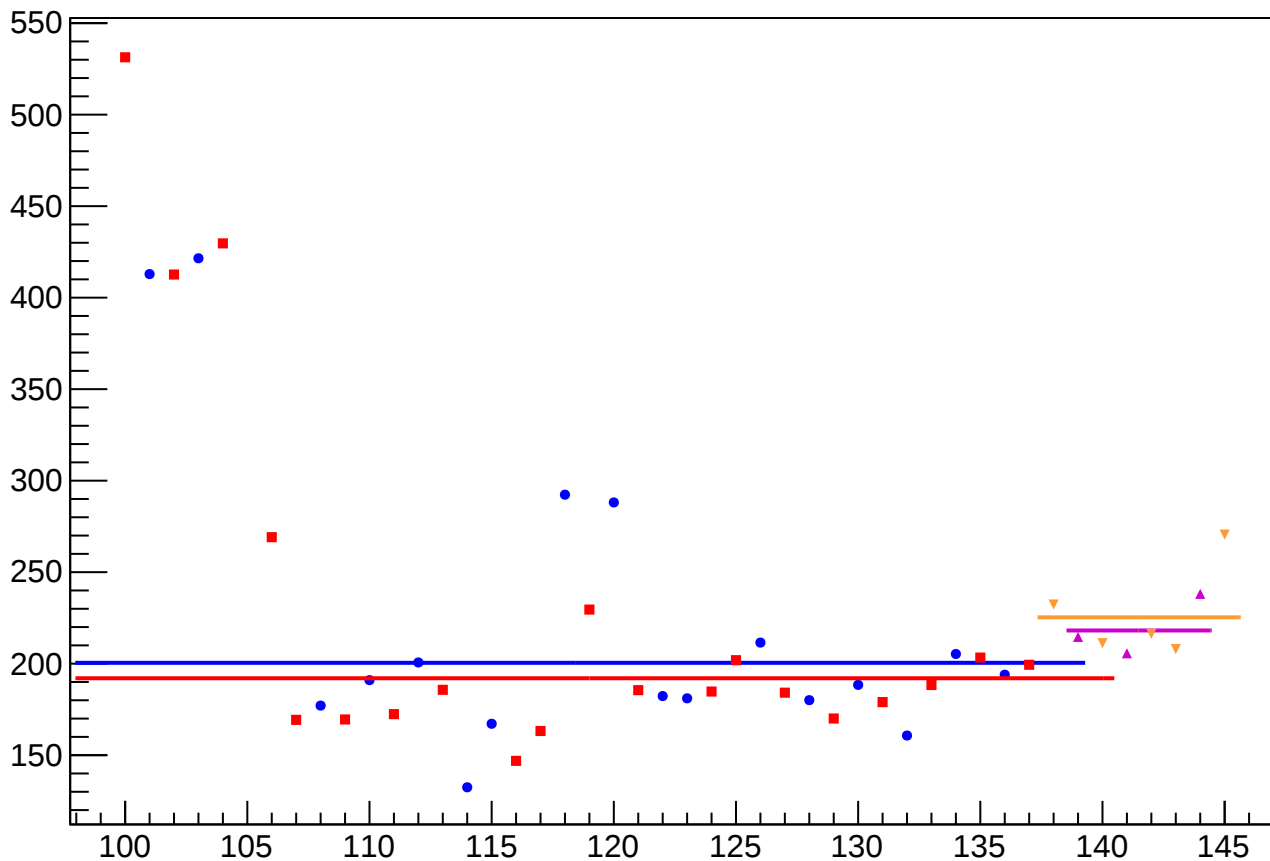
Right Out: 148298.586 ± 0.076 $\chi^2/\text{NDF}: 293284830.9/19$

Left In: 137500.965 ± 0.142 $\chi^2/\text{NDF}: 140048386.3/2$

145331.123 ± 0.069 $\chi^2/\text{NDF}: 5486039913.2/21$

145901.007 ± 0.067 $\chi^2/\text{NDF}: 4907860969.7/22$

yield_bpm0l02WS_rms vs Slug



Right In: 200.472 ± 0.058 χ^2/NDF : 936547.2/16

Left Out: 225.318 ± 0.089 χ^2/NDF : 59778.6/4

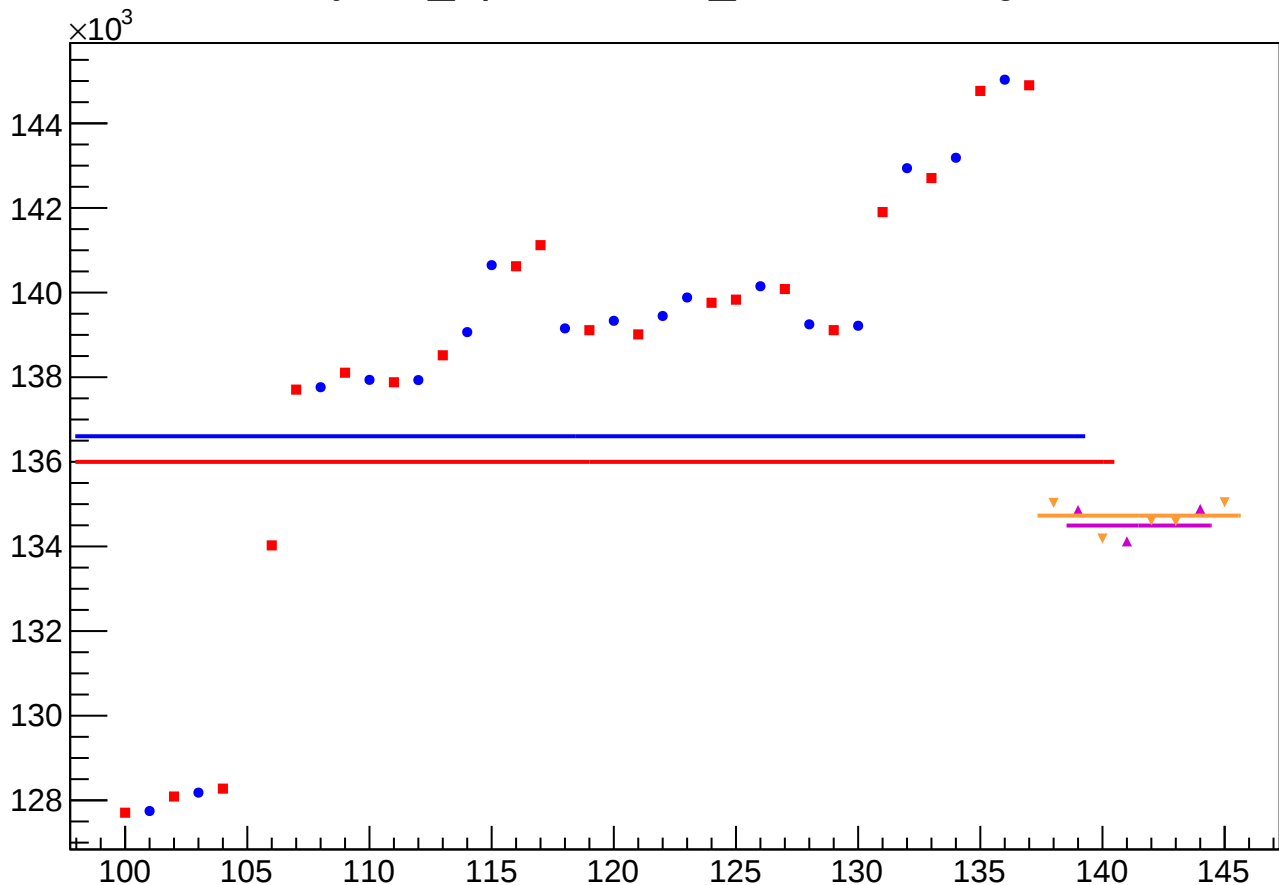
Right Out: 192.040 ± 0.054 χ^2/NDF : 847133.0/19

Left In: 218.140 ± 0.101 χ^2/NDF : 18449.8/2

207.871 ± 0.049 χ^2/NDF : 1050909.7/21

197.836 ± 0.047 χ^2/NDF : 917871.4/22

yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16

Left Out: 134729.006 $\pm$ 0.284 χ^2 /NDF:1383565.5/4

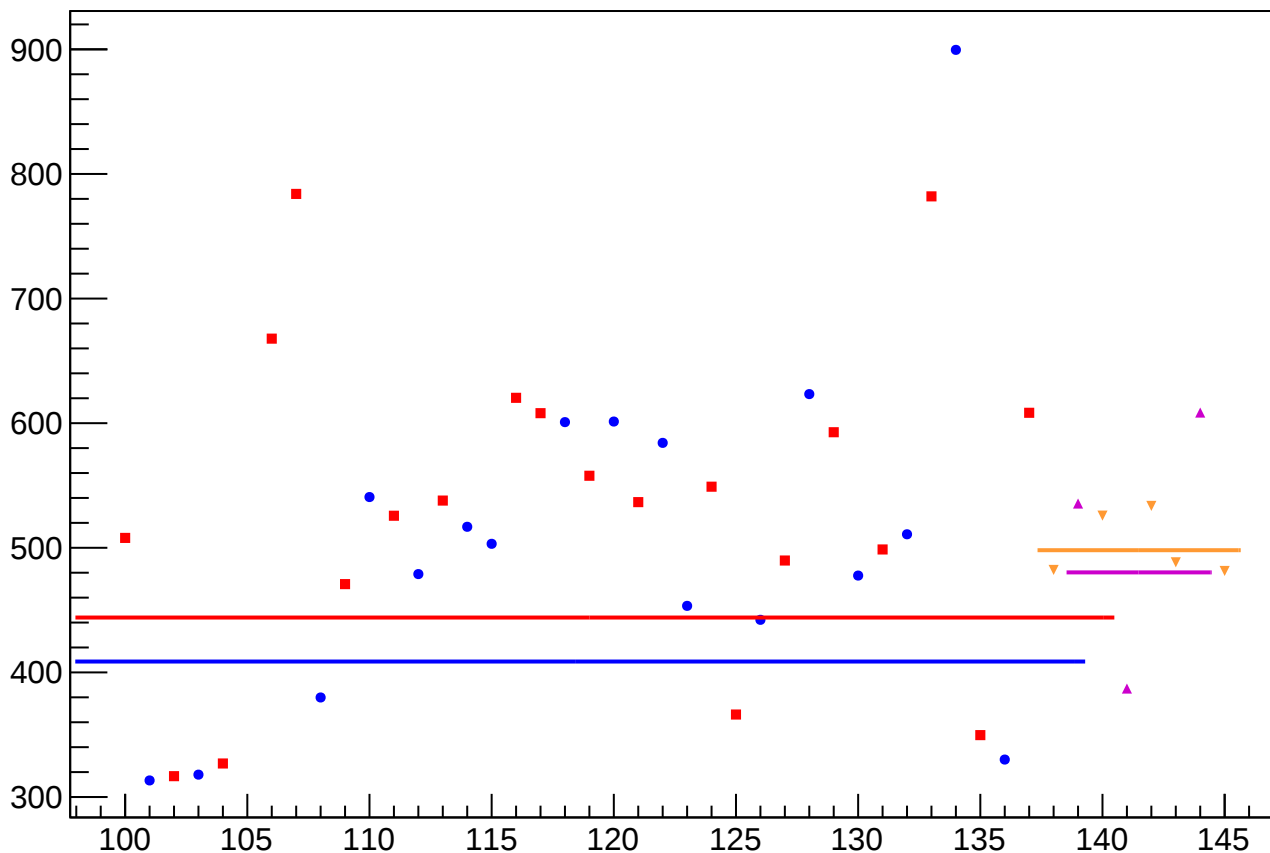
136102.902 $\pm$ 0.147 χ^2 /NDF: 1527756480.8/21

Right Out: 135998.851 $\pm$ 0.182 χ^2 /NDF: 1084895879.4/19

135683.435 $\pm$ 0.162 χ^2 /NDF: 1100297240.3/22

Left In: 134494.106 $\pm$ 0.354 χ^2 /NDF:1135306.5/2

yield_bpm0l03WS_rms vs Slug



Right In: 408.729+/-0.121 χ^2/NDF : 823262.8/16

Left Out: 498.064+/-0.201 χ^2/NDF :11210.9/4

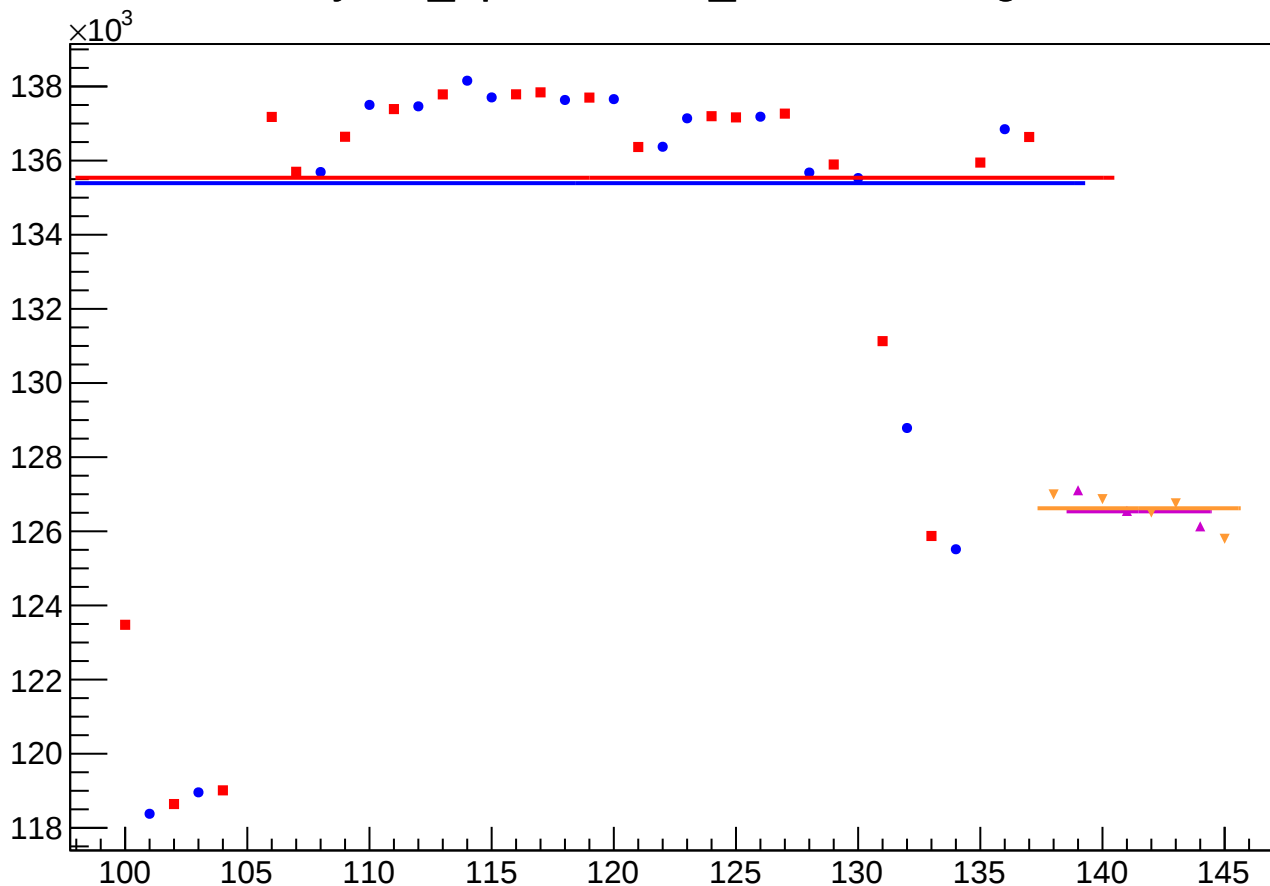
Right Out: 444.034+/-0.129 χ^2/NDF : 922545.8/19

Left In: 480.260+/-0.250 χ^2/NDF :151407.7/2

432.626+/-0.104 χ^2/NDF : 979743.6/21

451.627+/-0.115 χ^2/NDF : 1090490.1/22

yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16

Left Out: 126621.378 $\pm$ 0.091 χ^2 /NDF: 21387837.1/4

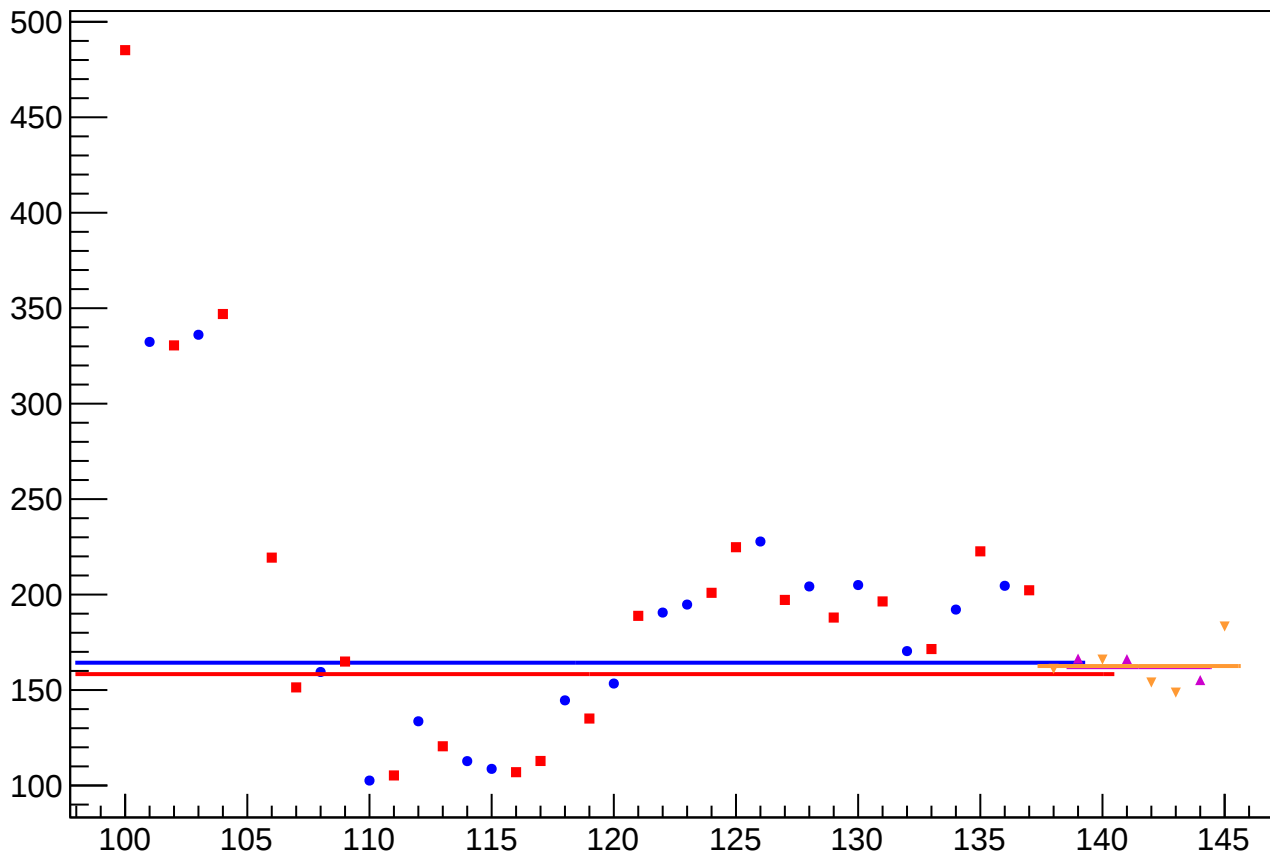
Right Out: 135537.290 $\pm$ 0.064 χ^2 /NDF: 4748951957.4/19

Left In: 126538.399 $\pm$ 0.106 χ^2 /NDF: 13617246.2/2

132225.740 $\pm$ 0.055 χ^2 /NDF: 10559335314.4/2

133122.916 $\pm$ 0.055 χ^2 /NDF: 10076526769.8/2

yield_bpm0l04WS_rms vs Slug



Right In: 164.311 ± 0.048 χ^2/NDF : 1230487.8/16

Left Out: 162.564 ± 0.064 χ^2/NDF : 32797.8/4

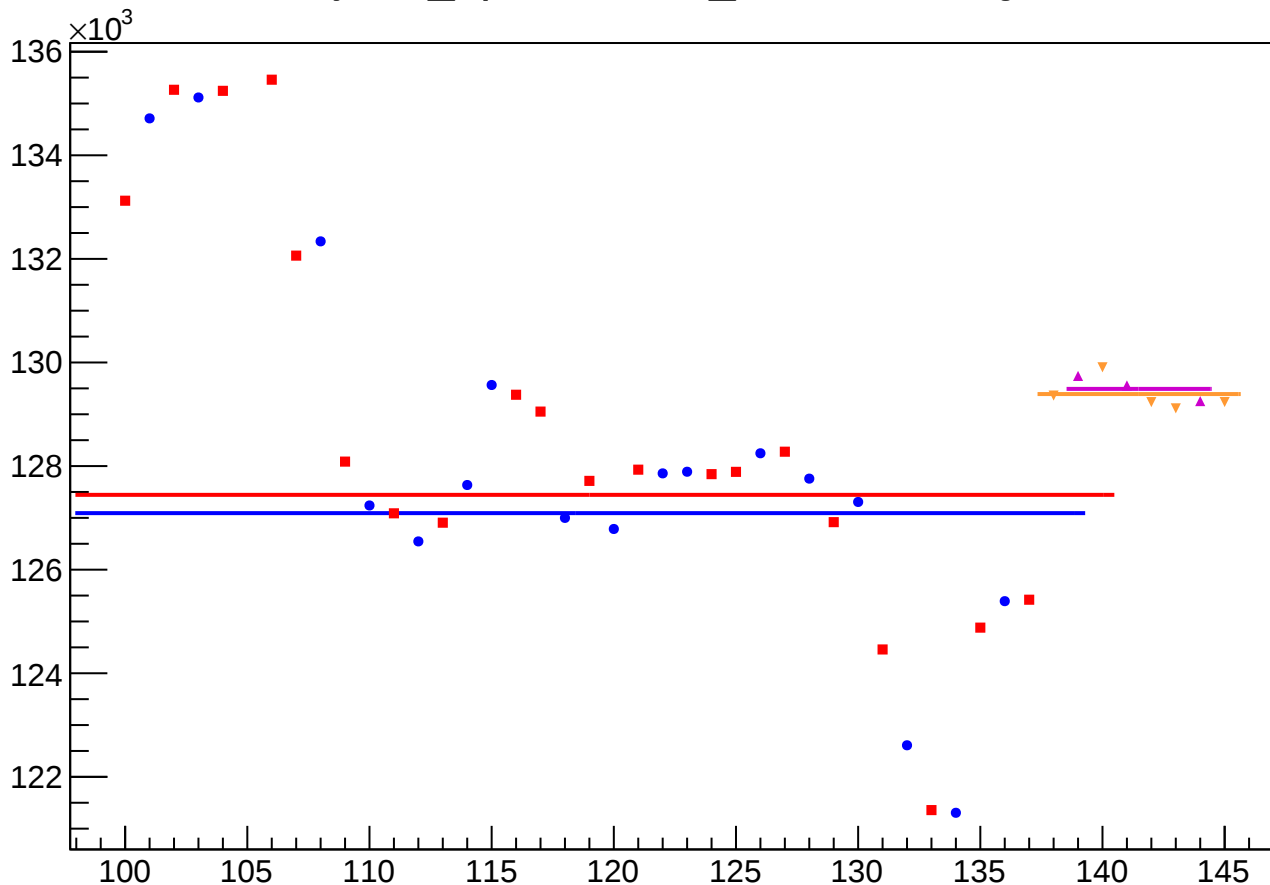
Right Out: 158.336 ± 0.045 χ^2/NDF : 1398323.7/19

Left In: 161.981 ± 0.075 χ^2/NDF : 5262.7/2

163.680 ± 0.039 χ^2/NDF : 1263758.7/21

159.314 ± 0.039 χ^2/NDF : 1405329.8/22

yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 ± 0.066 $\chi^2/\text{NDF}: 1717208780.6/16$

Left Out: 129390.421 ± 0.089 $\chi^2/\text{NDF}: 10718029.8/4$

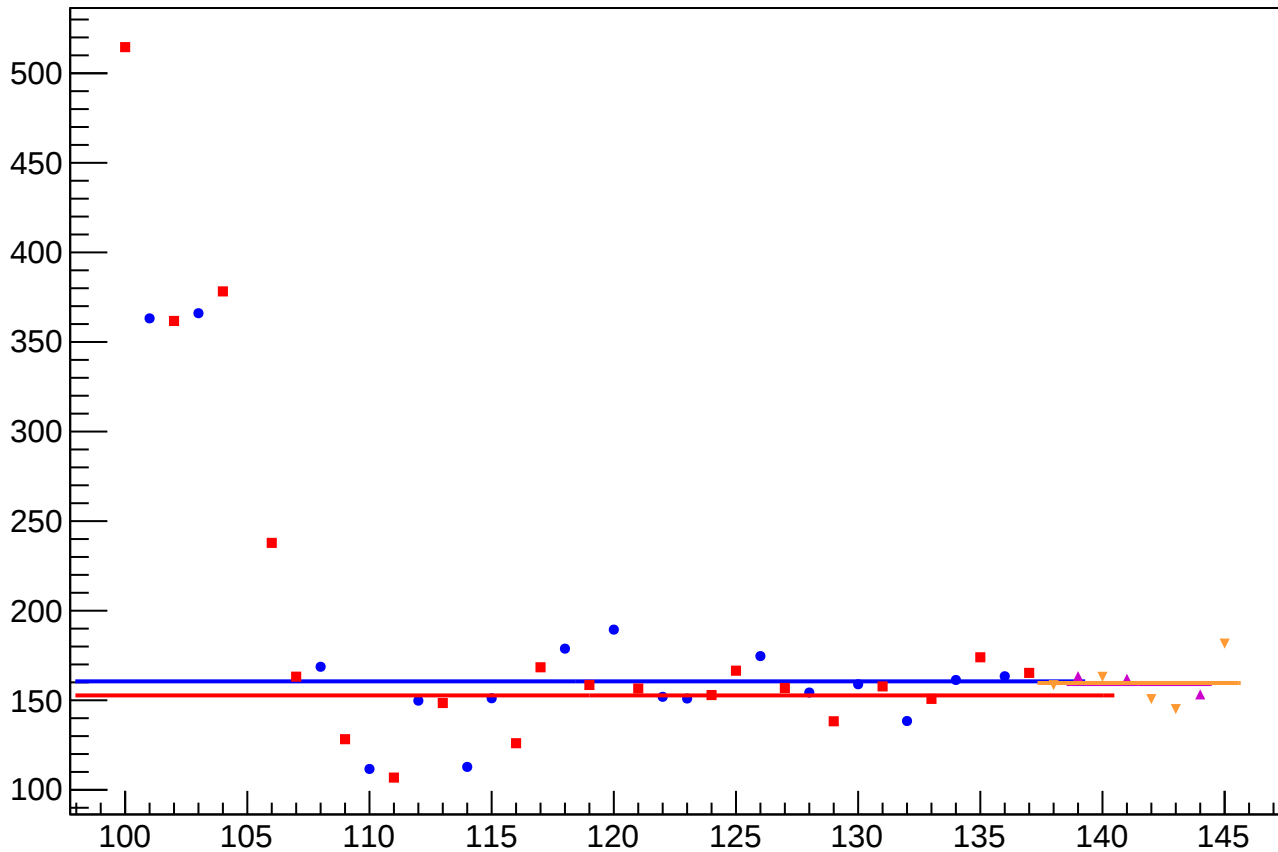
Right Out: 127444.472 ± 0.061 $\chi^2/\text{NDF}: 2082646787.7/19$

Left In: 129490.179 ± 0.104 $\chi^2/\text{NDF}: 3716895.9/2$

127907.203 ± 0.053 $\chi^2/\text{NDF}: 2154489918.7/21$

127975.039 ± 0.053 $\chi^2/\text{NDF}: 2374406622.2/22$

yield_bpm0l05WS_rms vs Slug



Right In: 160.564 $\pm$ 0.047 χ^2 /NDF: 942747.0/16

Left Out: 159.650 $\pm$ 0.063 χ^2 /NDF: 37389.7/4

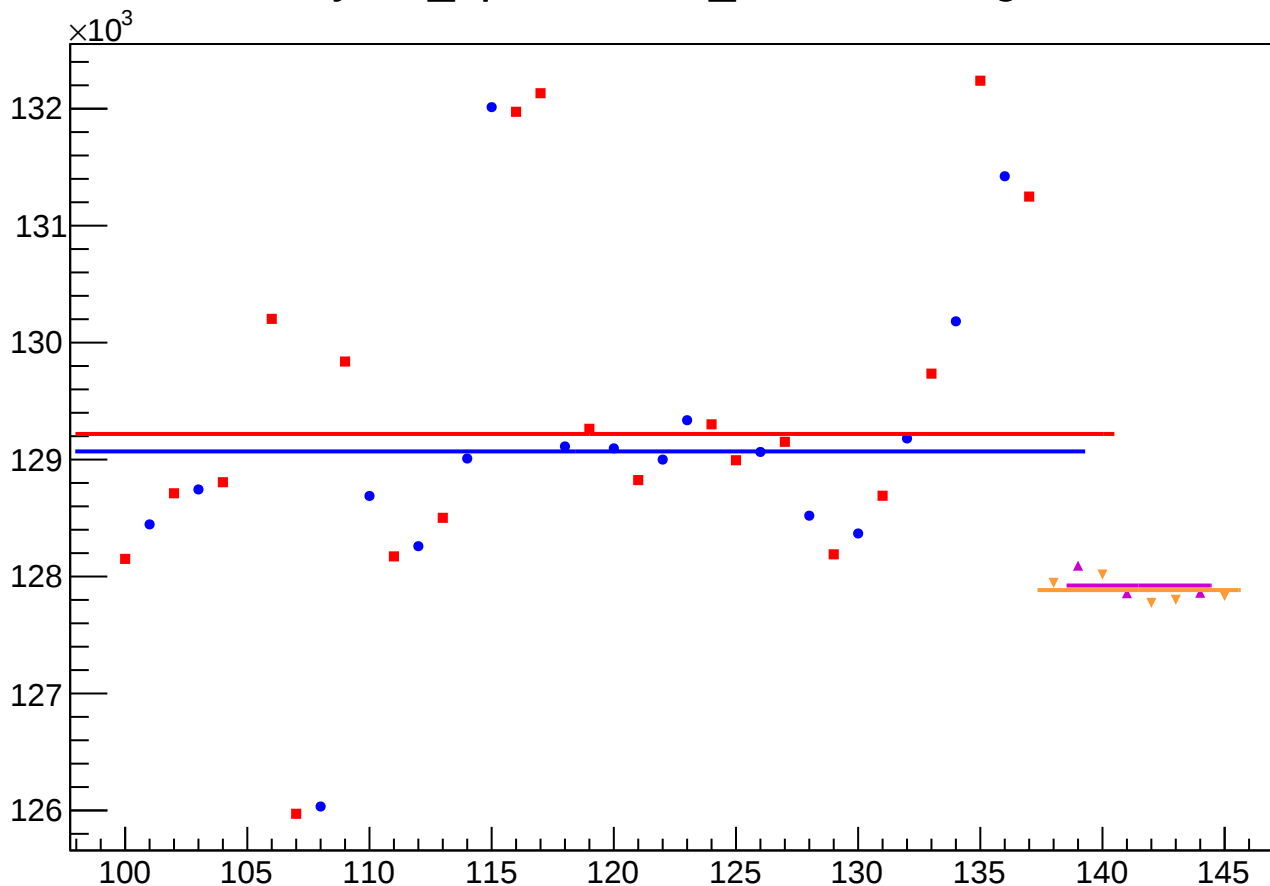
160.240 $\pm$ 0.038 χ^2 /NDF: 980271.5/21

Right Out: 152.711 $\pm$ 0.043 χ^2 /NDF: 1087186.3/19

154.356 $\pm$ 0.037 χ^2 /NDF: 1096654.5/22

Left In: 159.055 $\pm$ 0.073 χ^2 /NDF: 3926.7/2

yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 $\pm$ 0.060 χ^2 /NDF: 476692316.5/16

Left Out: 127884.174 $\pm$ 0.086 χ^2 /NDF: 1153175.5/4

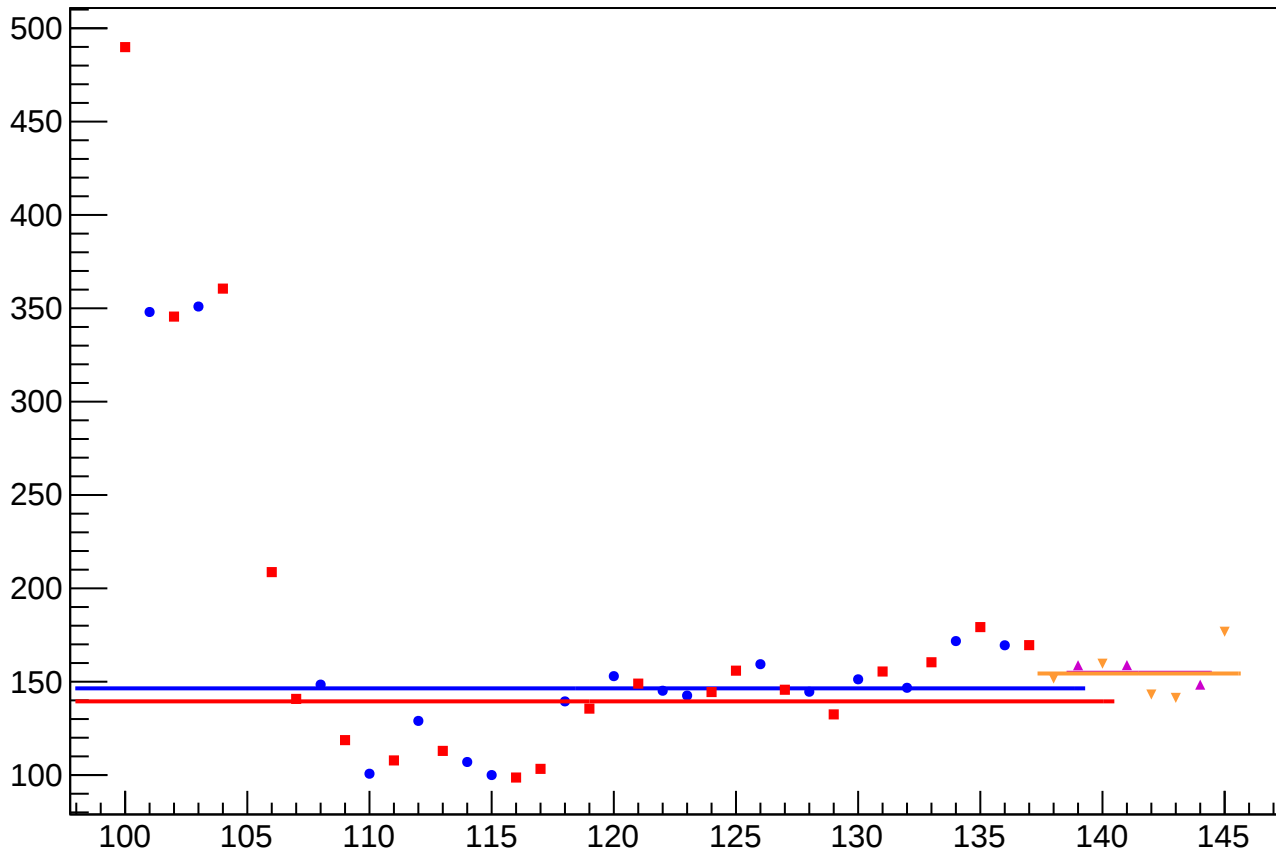
Right Out: 129219.072 $\pm$ 0.056 χ^2 /NDF: 660468184.1/19

Left In: 127923.113 $\pm$ 0.101 χ^2 /NDF: 1061372.4/2

128681.903 $\pm$ 0.049 χ^2 /NDF: 604817365.6/21

128915.898 $\pm$ 0.049 χ^2 /NDF: 788002728.9/22

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 ± 0.043 χ^2/NDF : 1064791.0/16

Left Out: 154.394 ± 0.061 χ^2/NDF : 41186.0/4

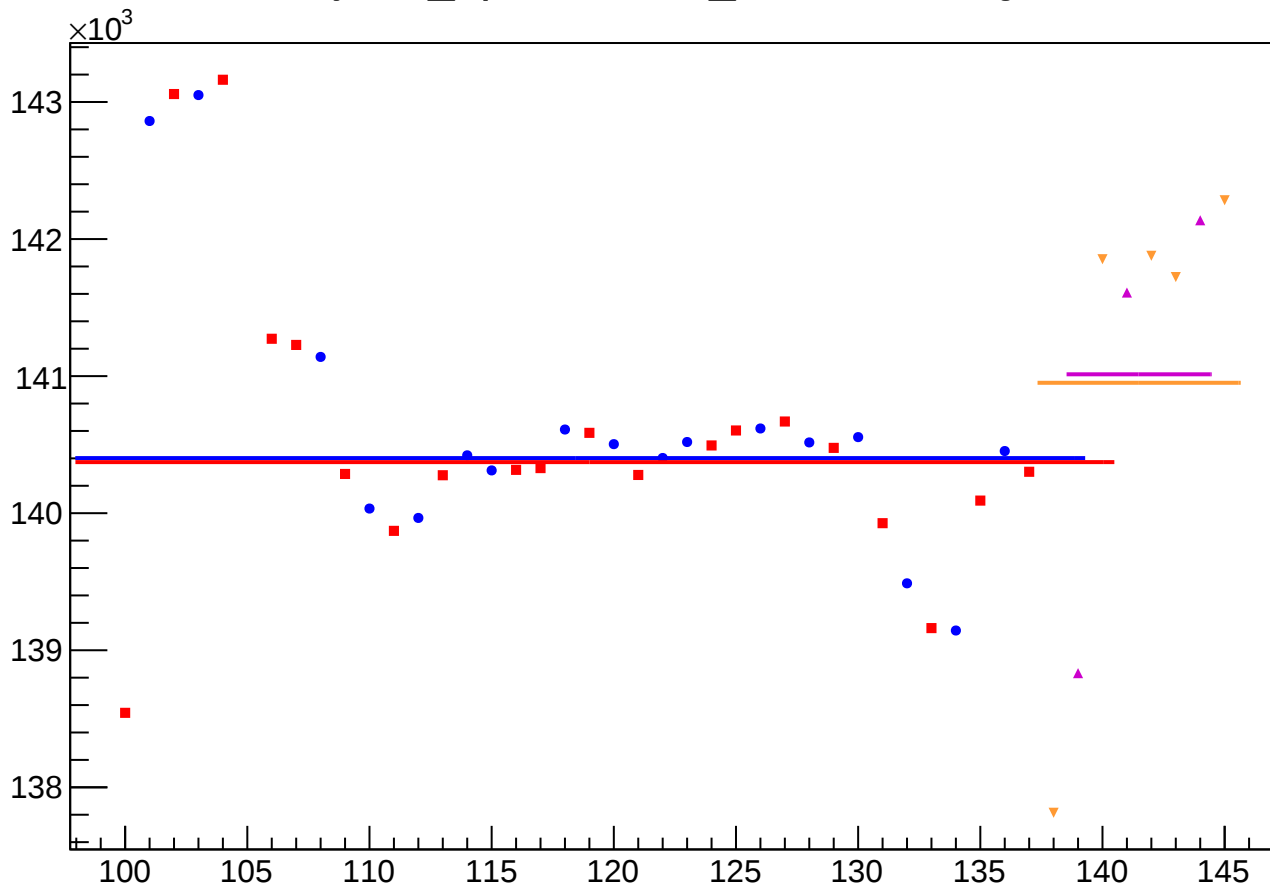
Right Out: 139.468 ± 0.039 χ^2/NDF : 1214310.8/19

Left In: 154.796 ± 0.071 χ^2/NDF : 5104.2/2

149.040 ± 0.035 χ^2/NDF : 1117417.4/21

143.054 ± 0.034 χ^2/NDF : 1254802.5/22

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 $\pm$ 0.064 χ^2 /NDF: 88071774.7/16

Left Out: 140951.400 $\pm$ 0.102 χ^2 /NDF: 296660105.7/4

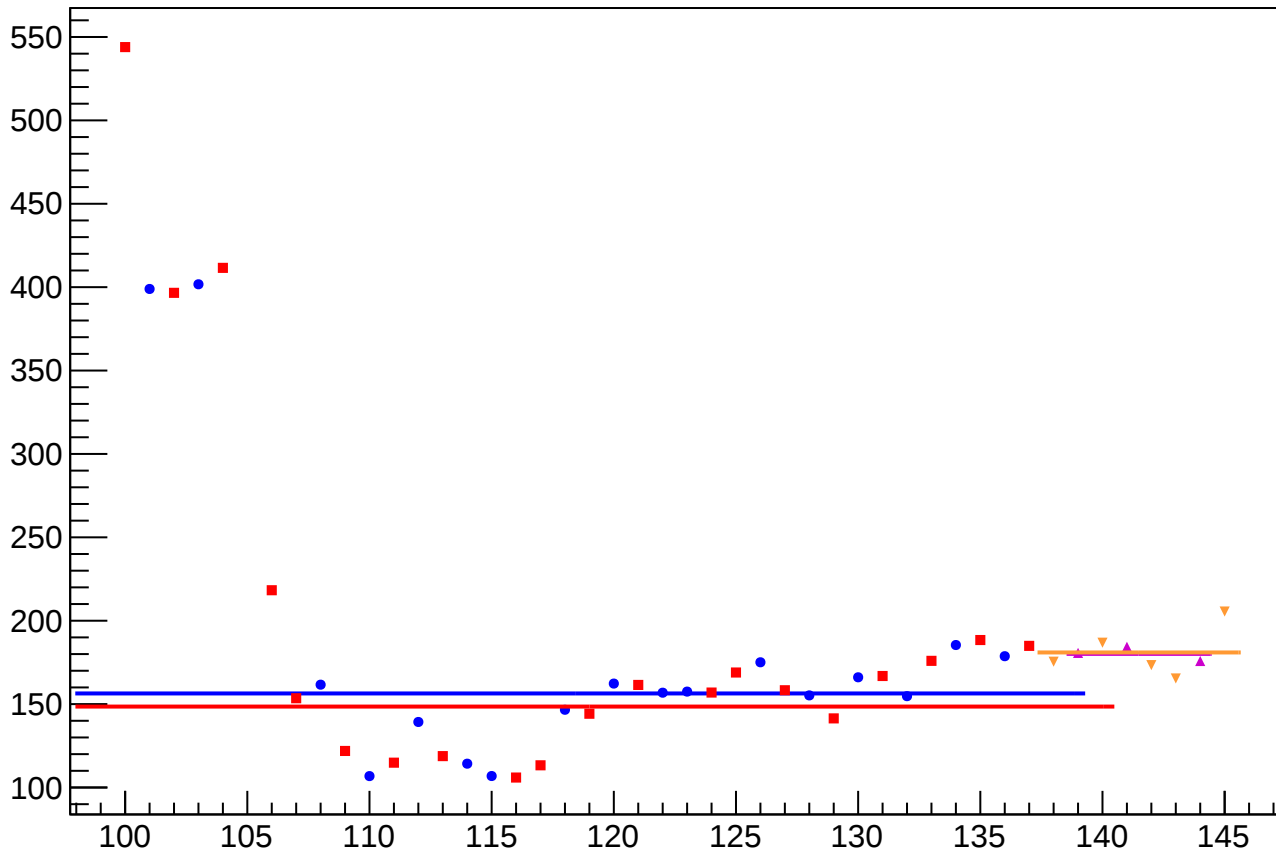
Right Out: 140372.636 $\pm$ 0.059 χ^2 /NDF: 99861038.9/19

Left In: 141013.289 $\pm$ 0.118 χ^2 /NDF: 140747921.2/2

140558.575 $\pm$ 0.054 χ^2 /NDF: 405505293.5/21

140502.603 $\pm$ 0.053 χ^2 /NDF: 264133823.5/22

yield_bpm0l07WS_rms vs Slug



Right In: 156.394+/-0.046 χ^2/NDF : 1154804.2/16

Left Out: 180.973+/-0.072 χ^2/NDF : 35713.0/4

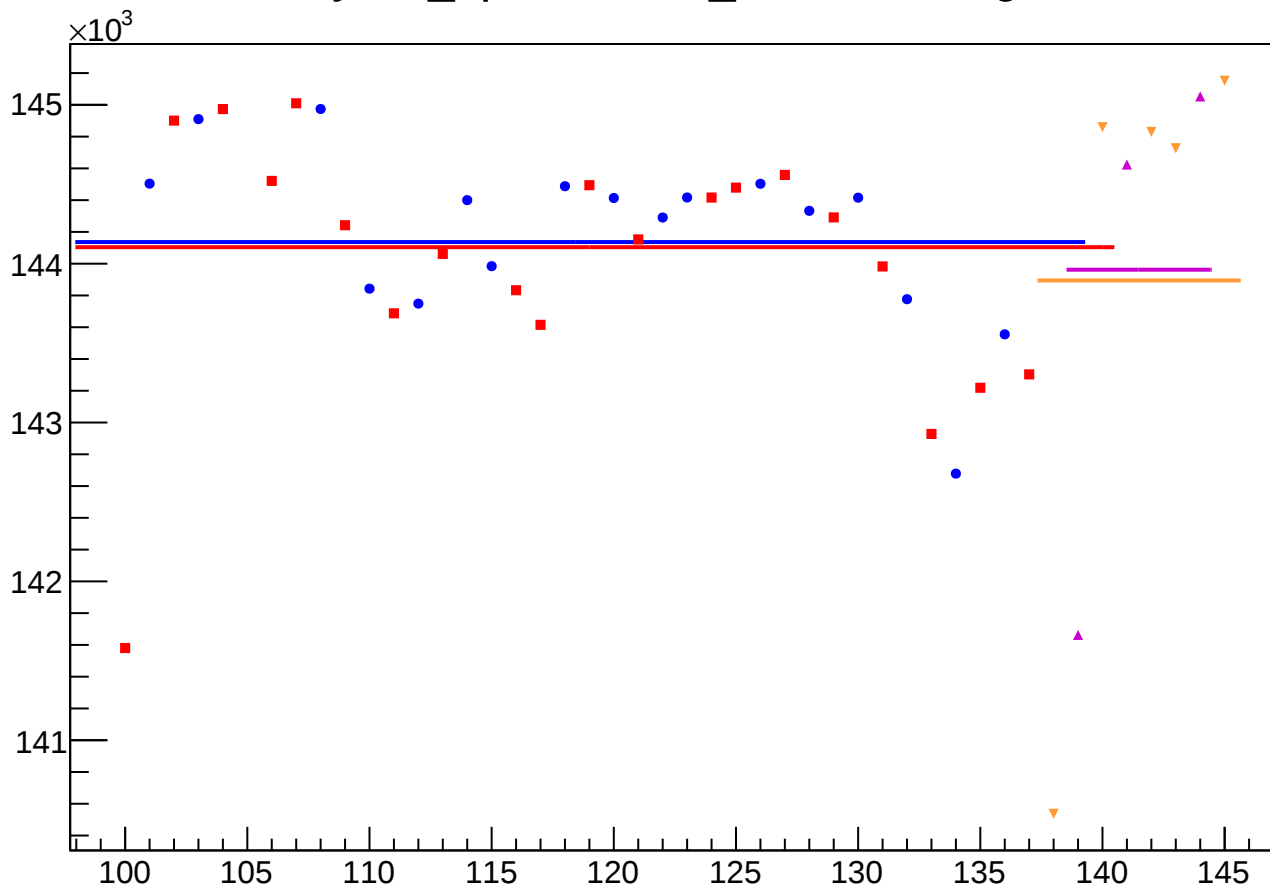
163.398+/-0.038 χ^2/NDF : 1273676.3/21

Right Out: 148.524+/-0.042 χ^2/NDF : 1316113.9/19

154.931+/-0.038 χ^2/NDF : 1432347.9/22

Left In: 180.108+/-0.083 χ^2/NDF : 1882.1/2

yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 ± 0.067 $\chi^2/\text{NDF}: 47069480.3/16$

Left Out: 143894.366 ± 0.100 $\chi^2/\text{NDF}: 332707943.8/4$

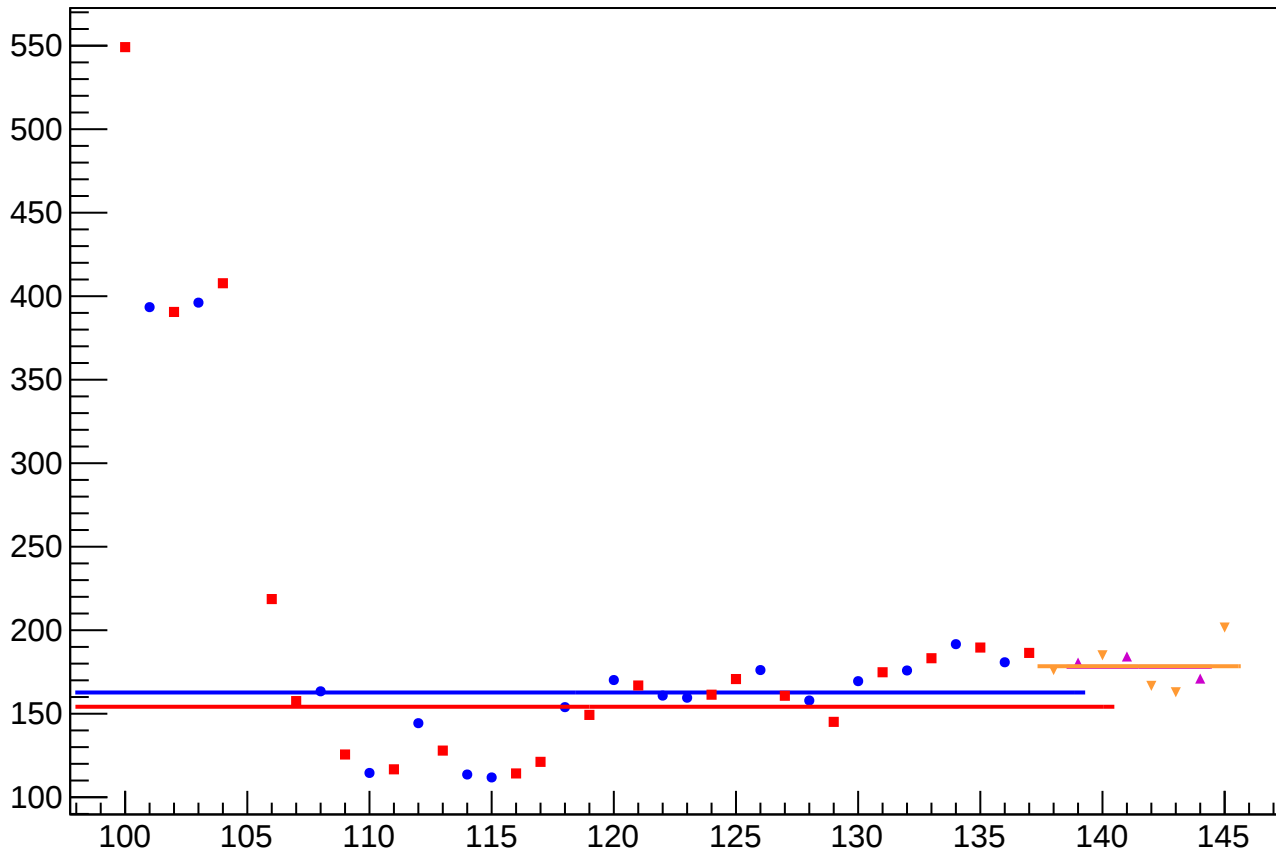
Right Out: 144103.887 ± 0.062 $\chi^2/\text{NDF}: 65973087.5/19$

Left In: 143962.134 ± 0.116 $\chi^2/\text{NDF}: 154191304.3/2$

144061.885 ± 0.056 $\chi^2/\text{NDF}: 383802815.5/21$

144072.952 ± 0.054 $\chi^2/\text{NDF}: 221323001.2/22$

yield_bpm0l08WS_rms vs Slug



Right In: 162.714+/-0.047 χ^2/NDF : 1066482.0/16

Left Out: 178.434+/-0.071 χ^2/NDF :36347.3/4

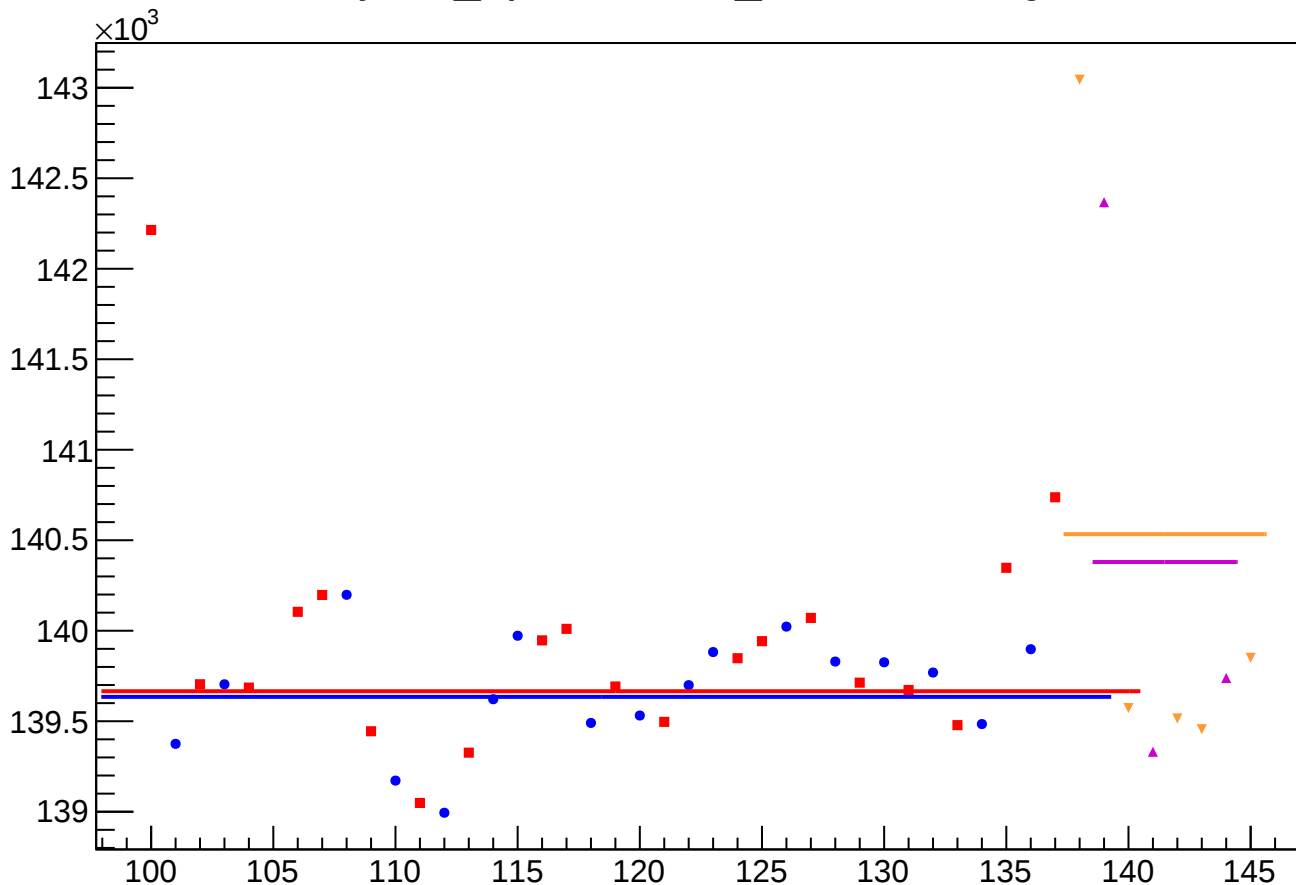
167.541+/-0.039 χ^2/NDF : 1136871.2/21

Right Out: 154.174+/-0.044 χ^2/NDF : 1224004.2/19

159.393+/-0.038 χ^2/NDF : 1294952.7/22

Left In: 178.090+/-0.082 χ^2/NDF :4985.9/2

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700 $\pm$ 0.068 χ^2 /NDF: 24844912.0/16

Left Out: 140533.720 $\pm$ 0.112 χ^2 /NDF: 185493840.9/4

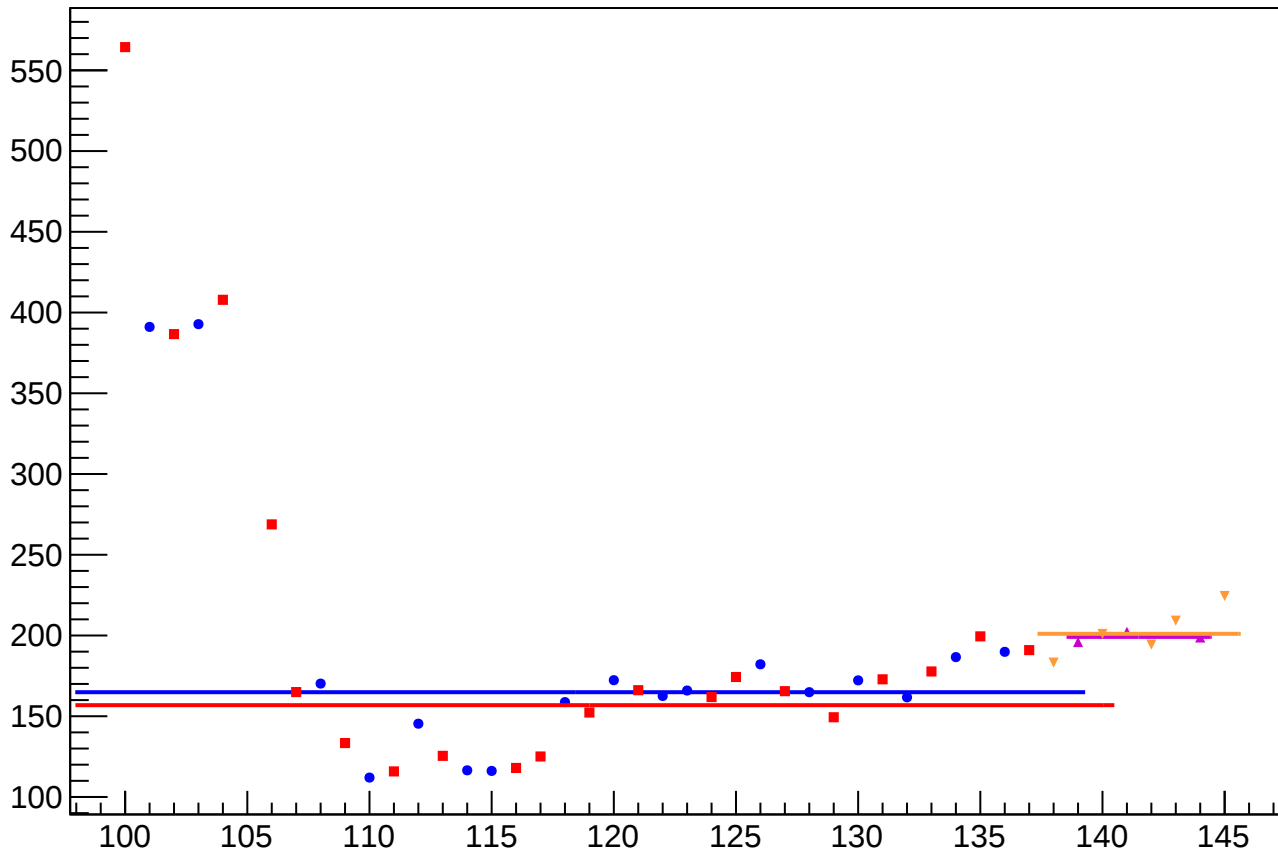
139874.303 $\pm$ 0.058 χ^2 /NDF: 257231482.1/21

Right Out: 139665.743 $\pm$ 0.063 χ^2 /NDF: 38703726.2/19

139800.361 $\pm$ 0.056 χ^2 /NDF: 163481963.4/22

Left In: 140379.645 $\pm$ 0.130 χ^2 /NDF: 100327716.3/2

yield_bpm0l09WS_rms vs Slug



Right In: 164.884 $\pm$ 0.048 χ^2 /NDF: 1066270.8/16

Left Out: 201.053 $\pm$ 0.080 χ^2 /NDF:32591.3/4

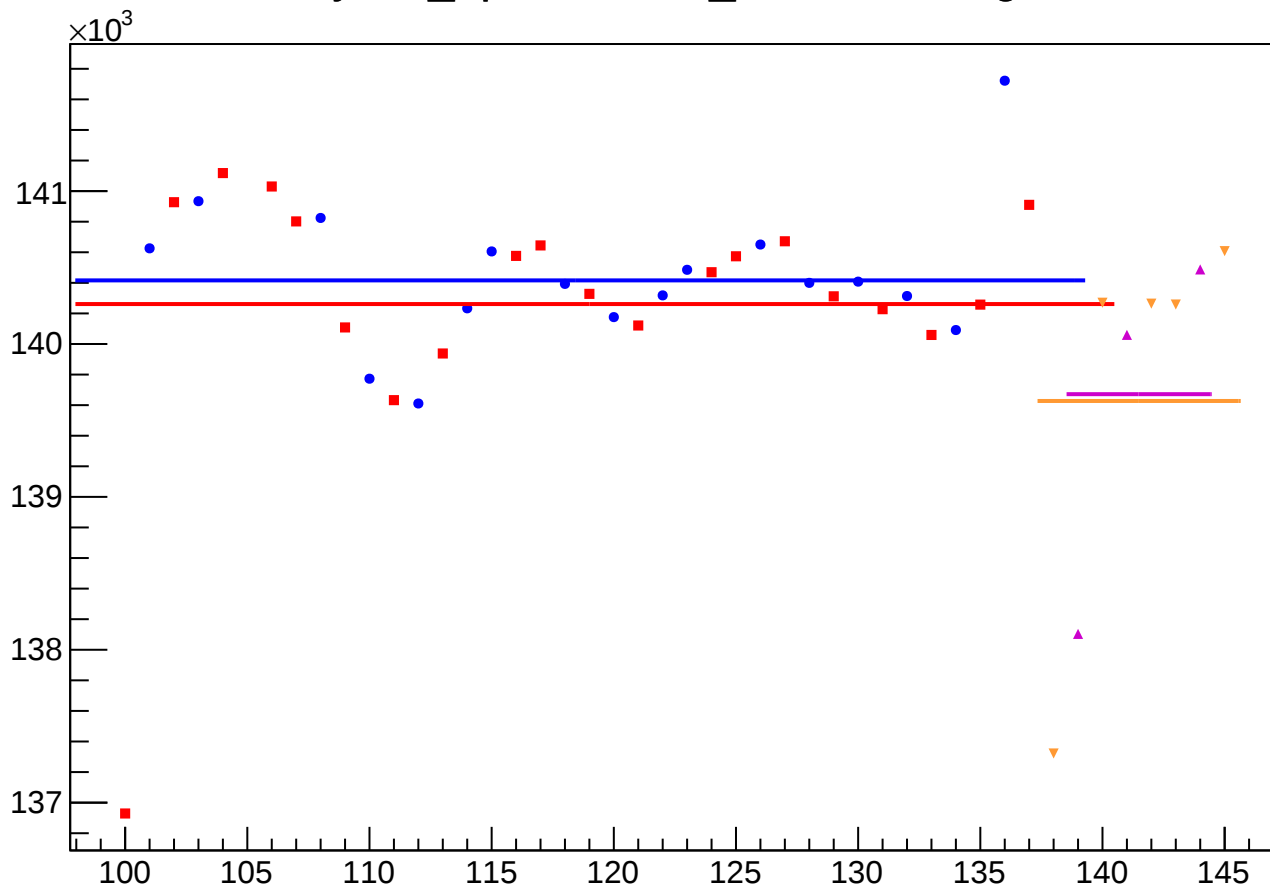
174.524 $\pm$ 0.041 χ^2 /NDF: 1250662.3/21

Right Out: 156.859 $\pm$ 0.044 χ^2 /NDF: 1250656.2/19

164.832 $\pm$ 0.040 χ^2 /NDF: 1422929.4/22

Left In: 199.139 $\pm$ 0.092 χ^2 /NDF:758.1/2

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 $\pm$ 0.068 χ^2 /NDF: 69975821.3/16

Left Out: 139627.335 $\pm$ 0.098 χ^2 /NDF: 175311831.0/4

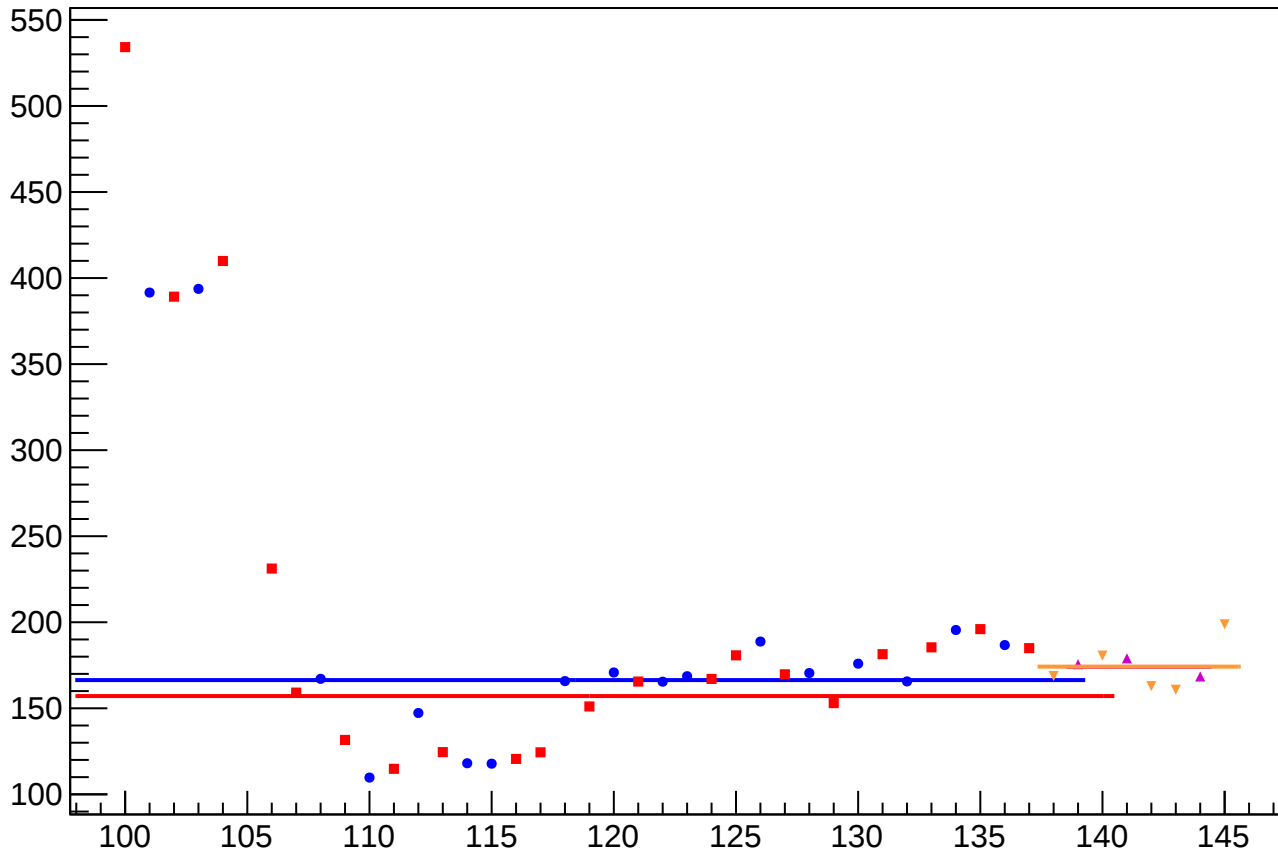
Right Out: 140261.267 $\pm$ 0.063 χ^2 /NDF: 38479140.4/19

Left In: 139671.823 $\pm$ 0.114 χ^2 /NDF: 77446778.5/2

140156.459 $\pm$ 0.056 χ^2 /NDF: 289060417.1/21

140123.367 $\pm$ 0.055 χ^2 /NDF: 136540016.6/22

yield_bpm0l10WS_rms vs Slug



Right In: 166.388+/-0.048 χ^2/NDF : 1080964.8/16

Left Out: 174.209+/-0.069 χ^2/NDF : 38303.6/4

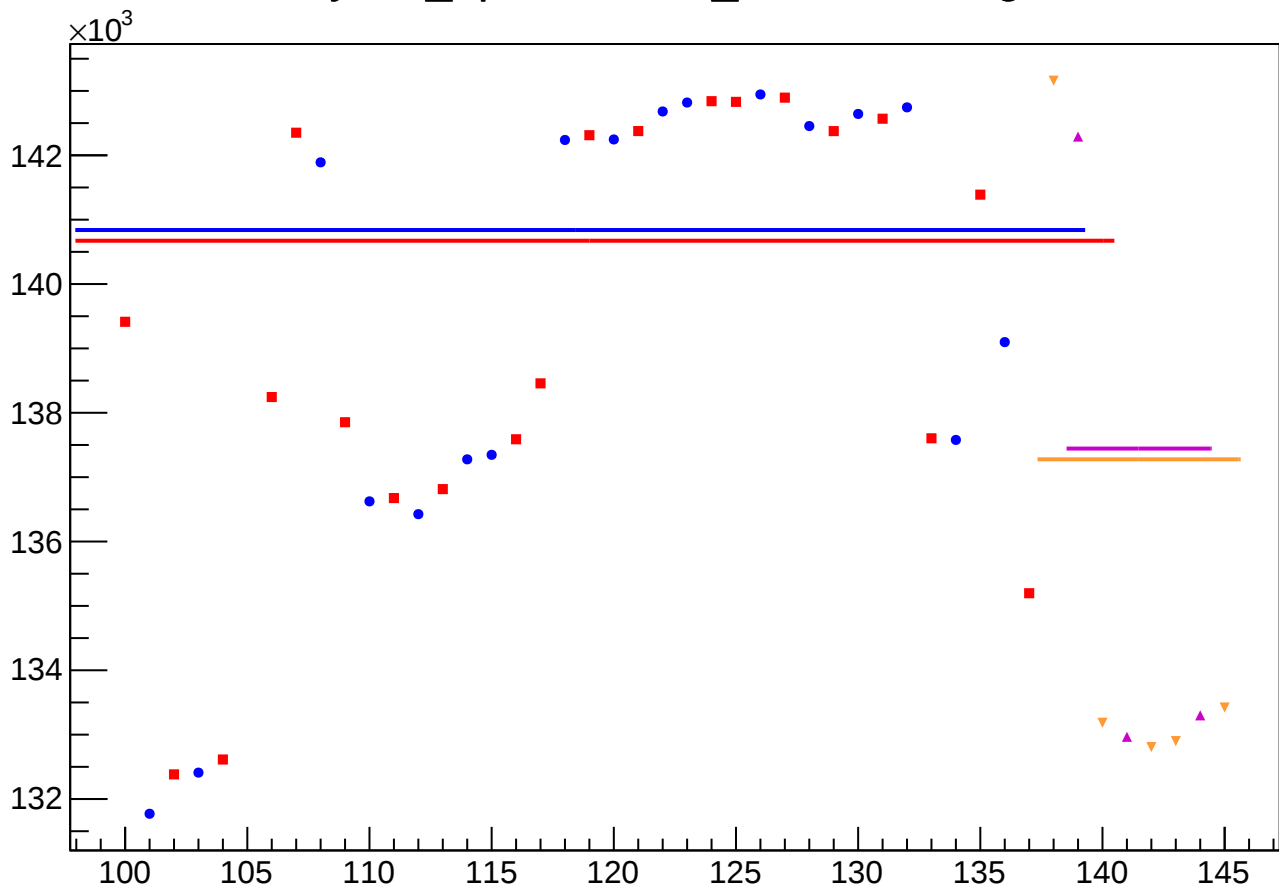
168.962+/-0.040 χ^2/NDF : 1127878.3/21

Right Out: 157.110+/-0.044 χ^2/NDF : 1235934.7/19

161.068+/-0.039 χ^2/NDF : 1273117.5/22

Left In: 174.025+/-0.080 χ^2/NDF : 3233.1/2

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 $\pm$ 0.100 χ^2 /NDF: 822682996.3/16

Left Out: 137277.120 $\pm$ 0.156 χ^2 /NDF: 1008758084.6/4

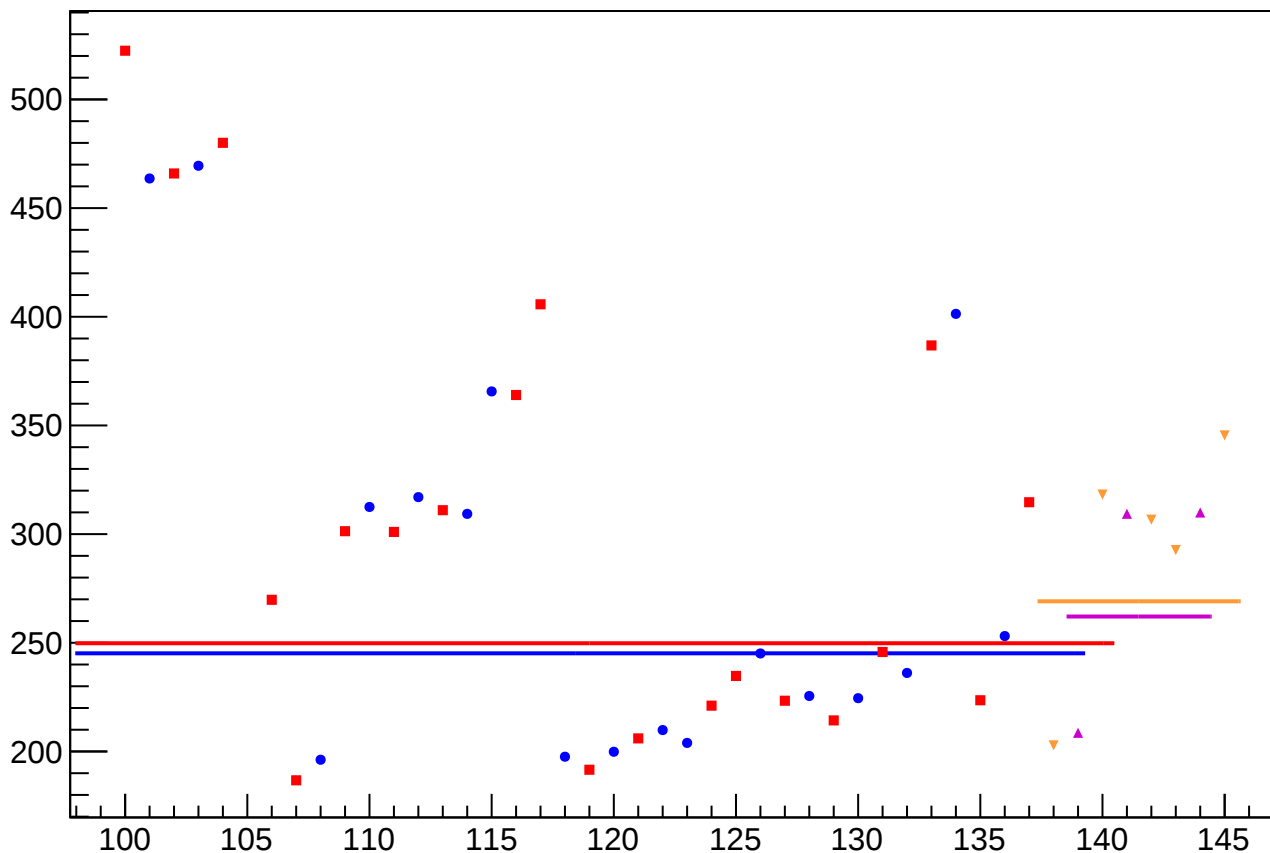
Right Out: 140672.898 $\pm$ 0.099 χ^2 /NDF: 841965357.5/19

Left In: 137444.250 $\pm$ 0.177 χ^2 /NDF: 670740312.3/2

139803.014 $\pm$ 0.084 χ^2 /NDF: 2200421558.2/21

139900.647 $\pm$ 0.086 χ^2 /NDF: 1767228274.2/22

yield_bpm0r03WS_rms vs Slug



Right In: 245.159+/-0.071 χ^2/NDF : 869491.6/16

Left Out: 269.089+/-0.110 χ^2/NDF :274186.1/4

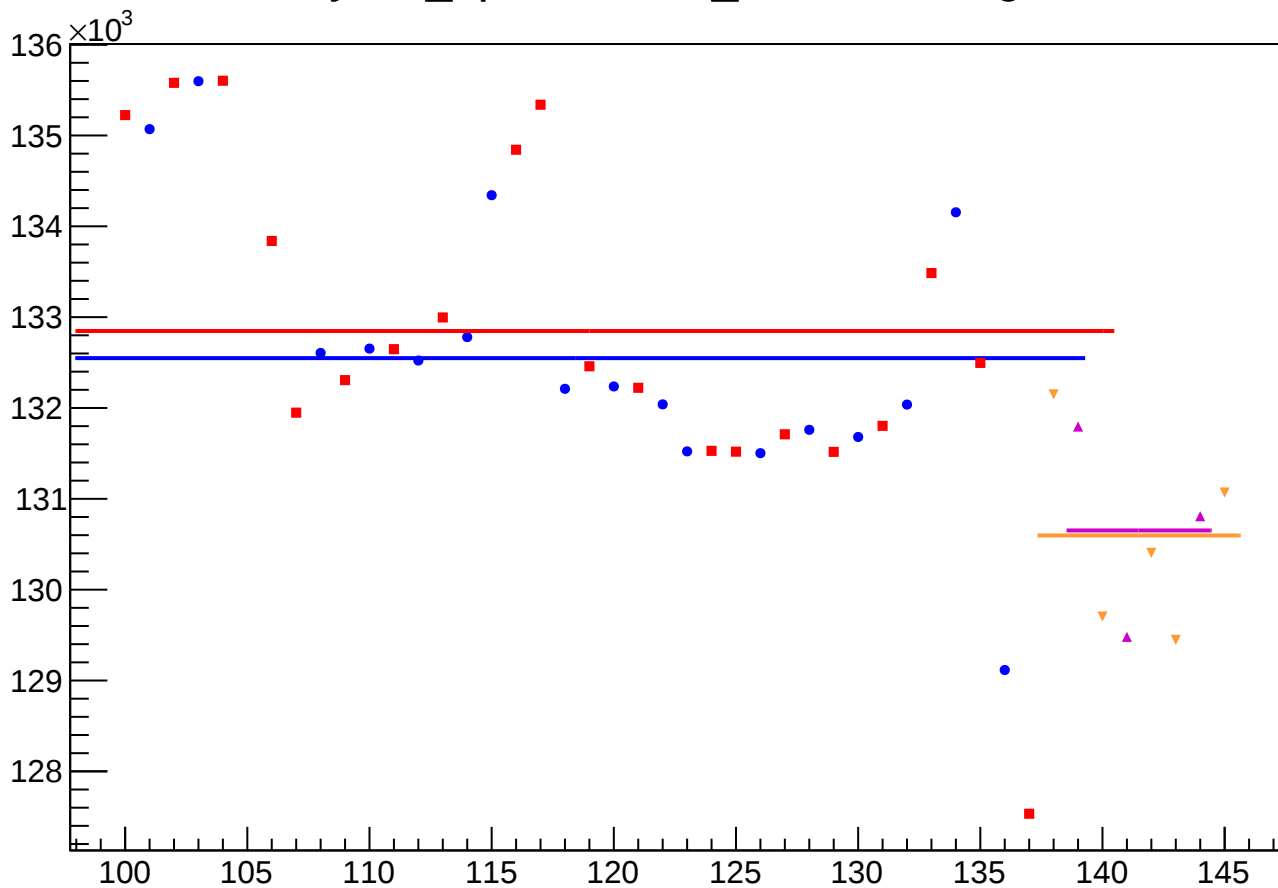
Right Out: 249.792+/-0.070 χ^2/NDF : 1022316.0/19

Left In: 262.089+/-0.125 χ^2/NDF :163331.3/2

252.120+/-0.060 χ^2/NDF : 1176984.5/21

252.733+/-0.061 χ^2/NDF : 1193031.2/22

yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 $\pm$ 0.119 χ^2 /NDF: 161115079.9/16

Left Out: 130597.008 $\pm$ 0.105 χ^2 /NDF: 97072892.0/4

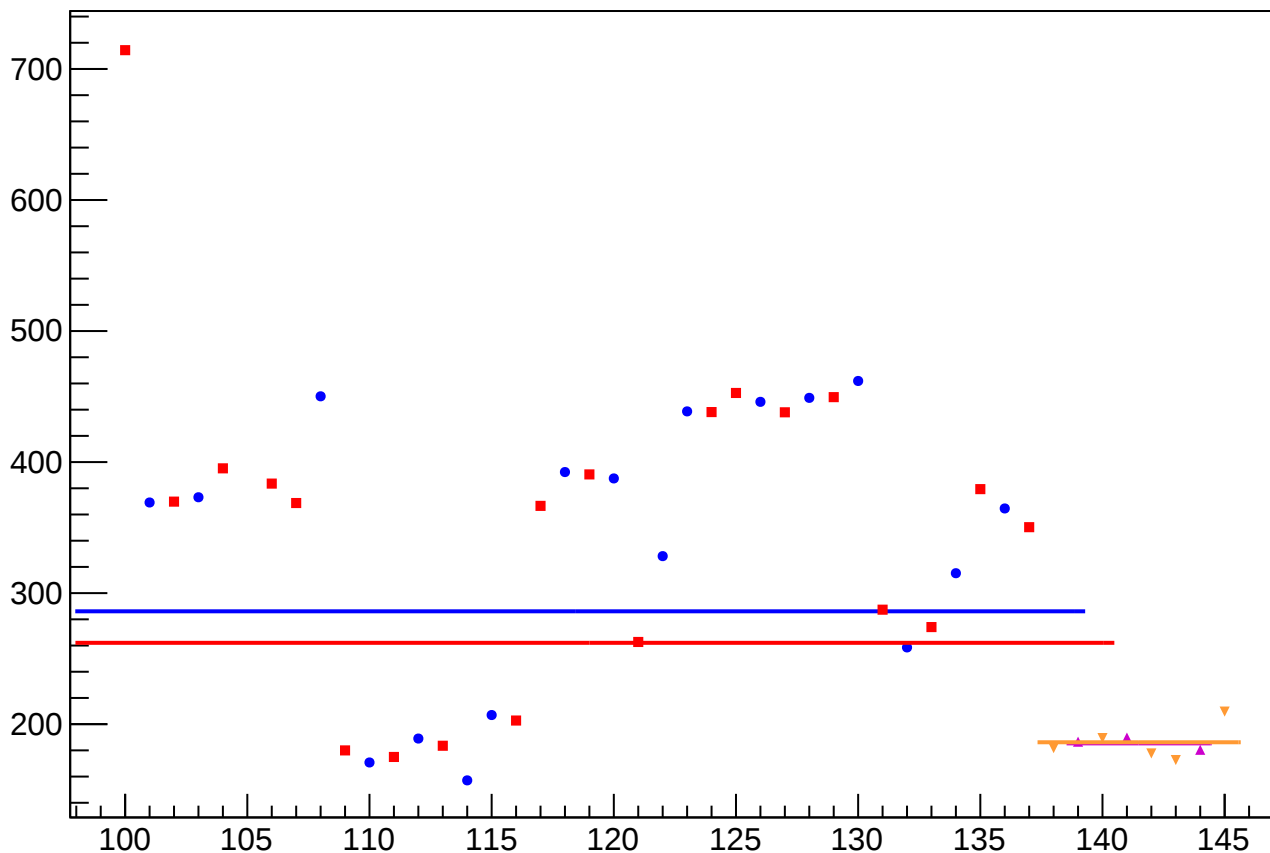
Right Out: 132847.502 $\pm$ 0.107 χ^2 /NDF: 151618589.4/19

Left In: 130651.970 $\pm$ 0.122 χ^2 /NDF: 56690549.8/2

131451.958 $\pm$ 0.079 χ^2 /NDF: 408444077.0/21

131892.969 $\pm$ 0.080 χ^2 /NDF: 391689088.7/22

yield_bpm0r05WS_rms vs Slug



Right In: 286.122+/-0.084 χ^2/NDF : 1525266.4/16

Left Out: 186.183+/-0.075 χ^2/NDF :28578.9/4

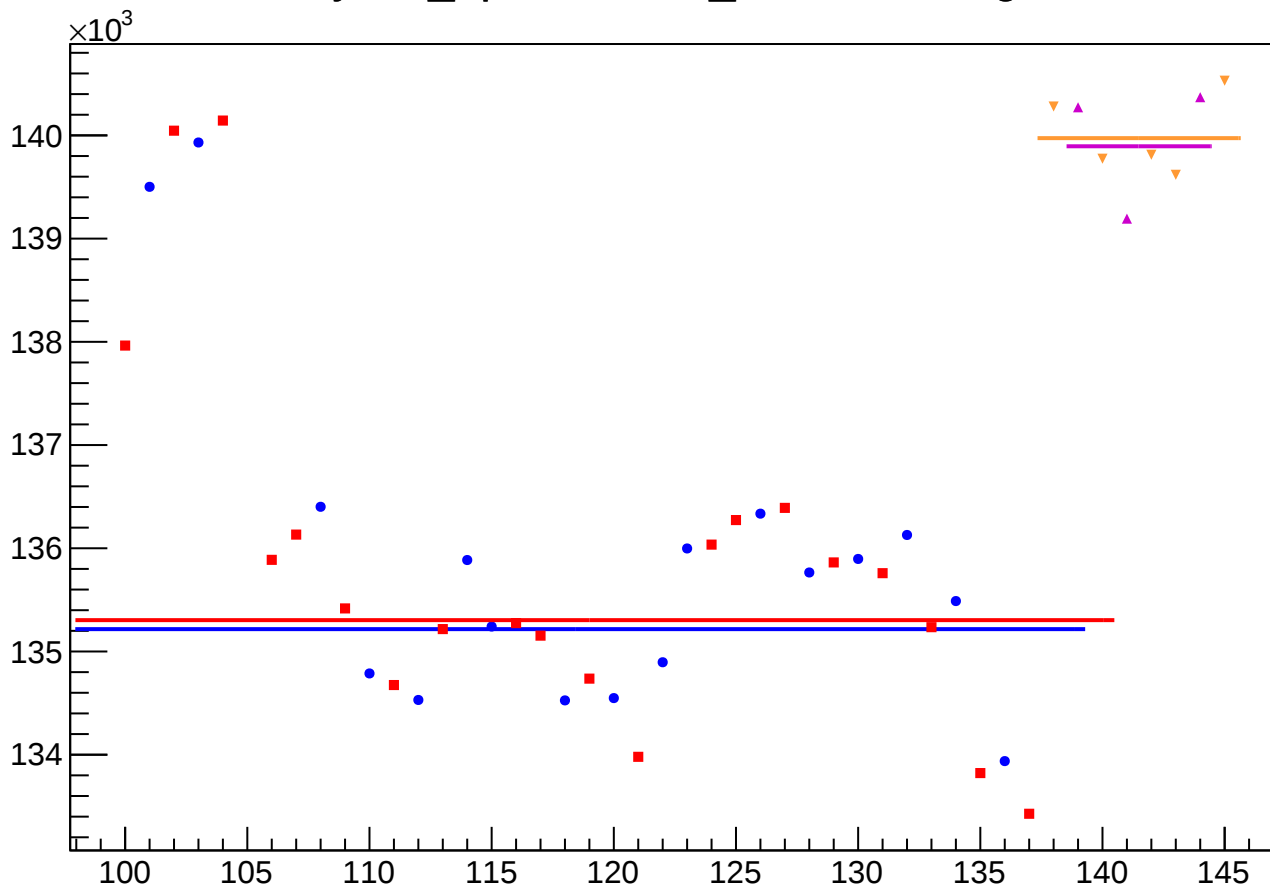
Right Out: 262.073+/-0.076 χ^2/NDF : 1630239.5/19

Left In: 185.328+/-0.086 χ^2/NDF :2162.2/2

229.958+/-0.056 χ^2/NDF : 2341667.8/21

228.707+/-0.057 χ^2/NDF : 2080525.9/22

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 $\pm$ 0.054 χ^2 /NDF: 371347707.3/16

Left Out: 139973.307 $\pm$ 0.099 χ^2 /NDF:11112959.3/4

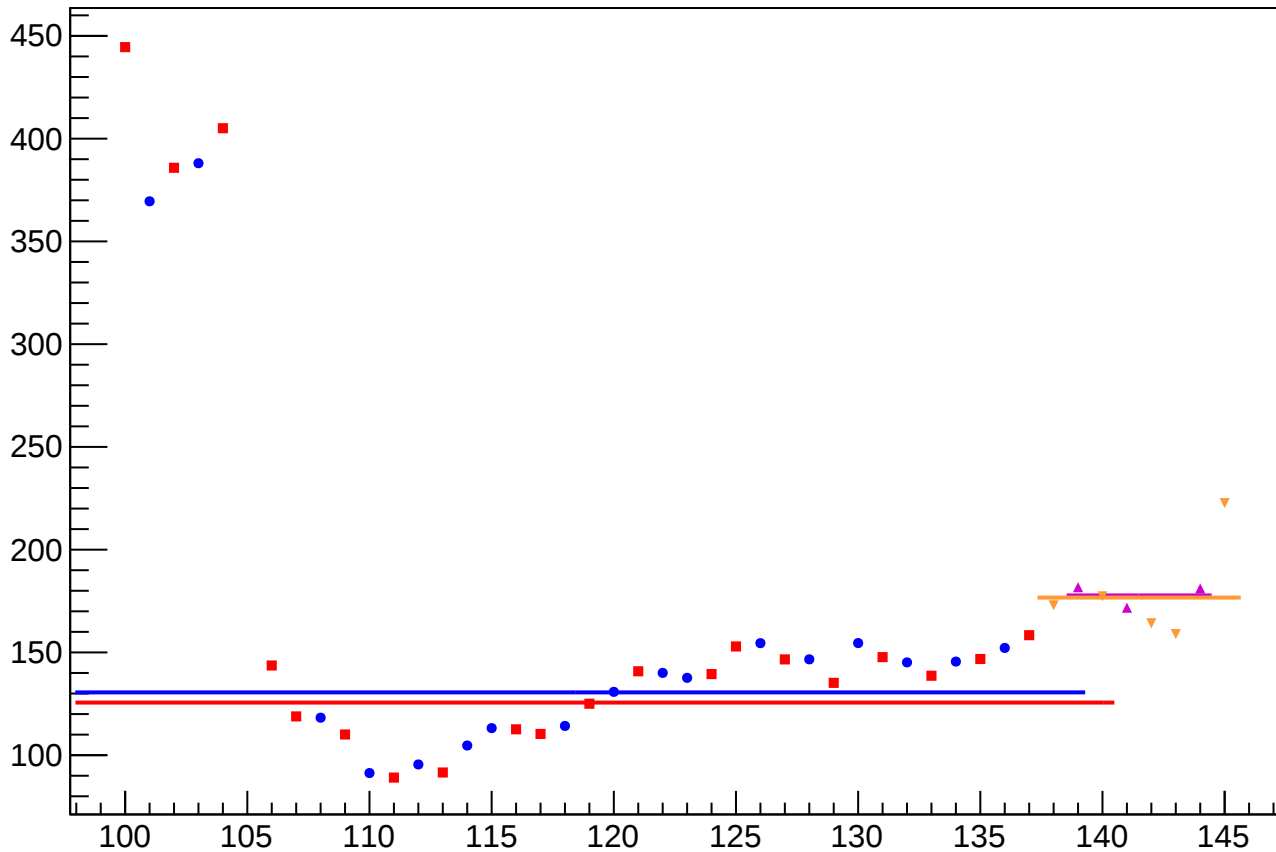
Right Out: 135303.736 $\pm$ 0.051 χ^2 /NDF: 357717935.5/19

Left In: 139894.455 $\pm$ 0.116 χ^2 /NDF:22657503.6/2

136315.127 $\pm$ 0.048 χ^2 /NDF: 2151051267.1/21

136046.003 $\pm$ 0.047 χ^2 /NDF: 1695360297.2/22

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 $\pm$ 0.038 χ^2 /NDF: 1373104.9/16

Left Out: 176.690 $\pm$ 0.070 χ^2 /NDF: 82633.9/4

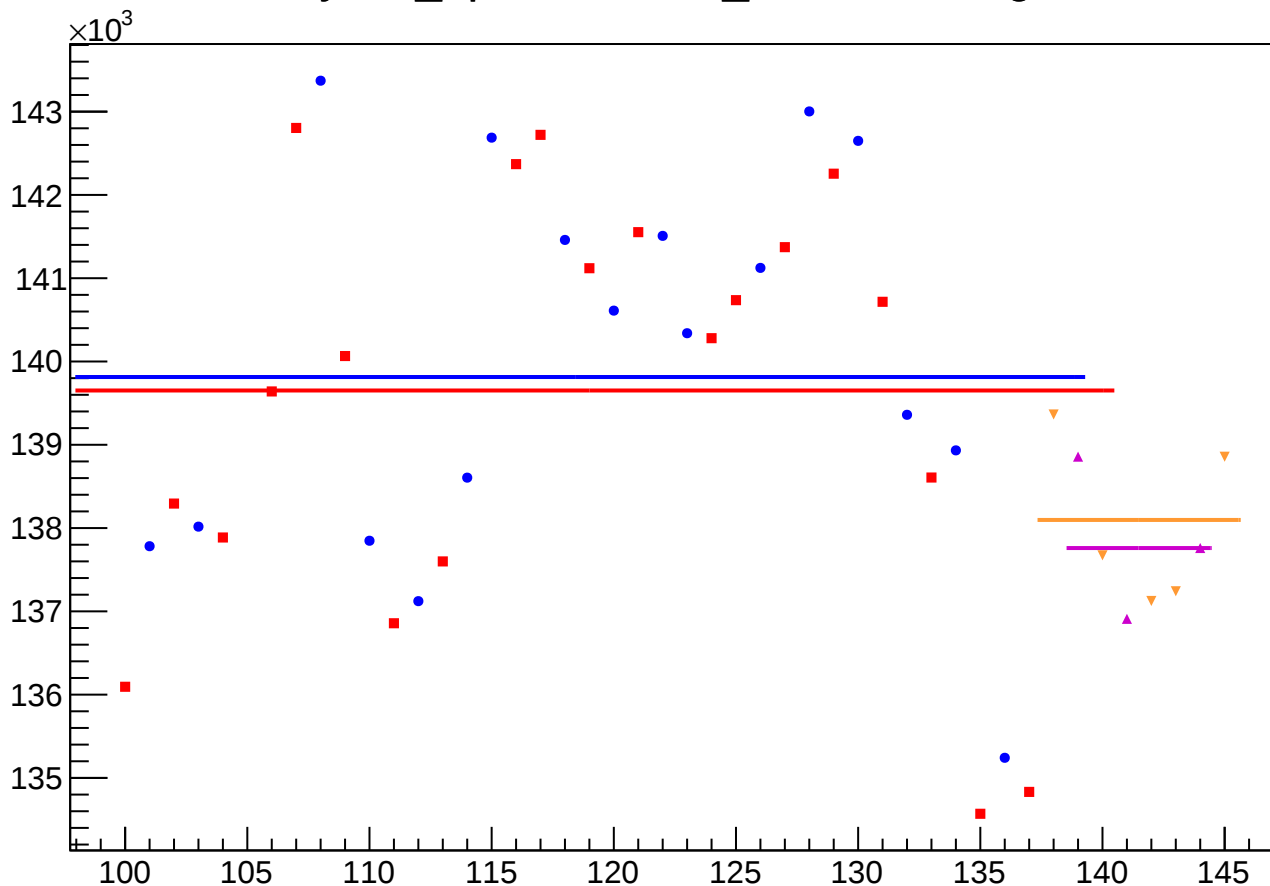
141.207 $\pm$ 0.034 χ^2 /NDF: 1788526.9/21

Right Out: 125.603 $\pm$ 0.036 χ^2 /NDF: 1441677.4/19

134.032 $\pm$ 0.033 χ^2 /NDF: 1784054.9/22

Left In: 177.732 $\pm$ 0.082 χ^2 /NDF: 3272.5/2

yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 ± 0.062 $\chi^2/\text{NDF}: 1689865533.6/16$

Left Out: 138097.537 ± 0.098 $\chi^2/\text{NDF}: 85662345.8/4$

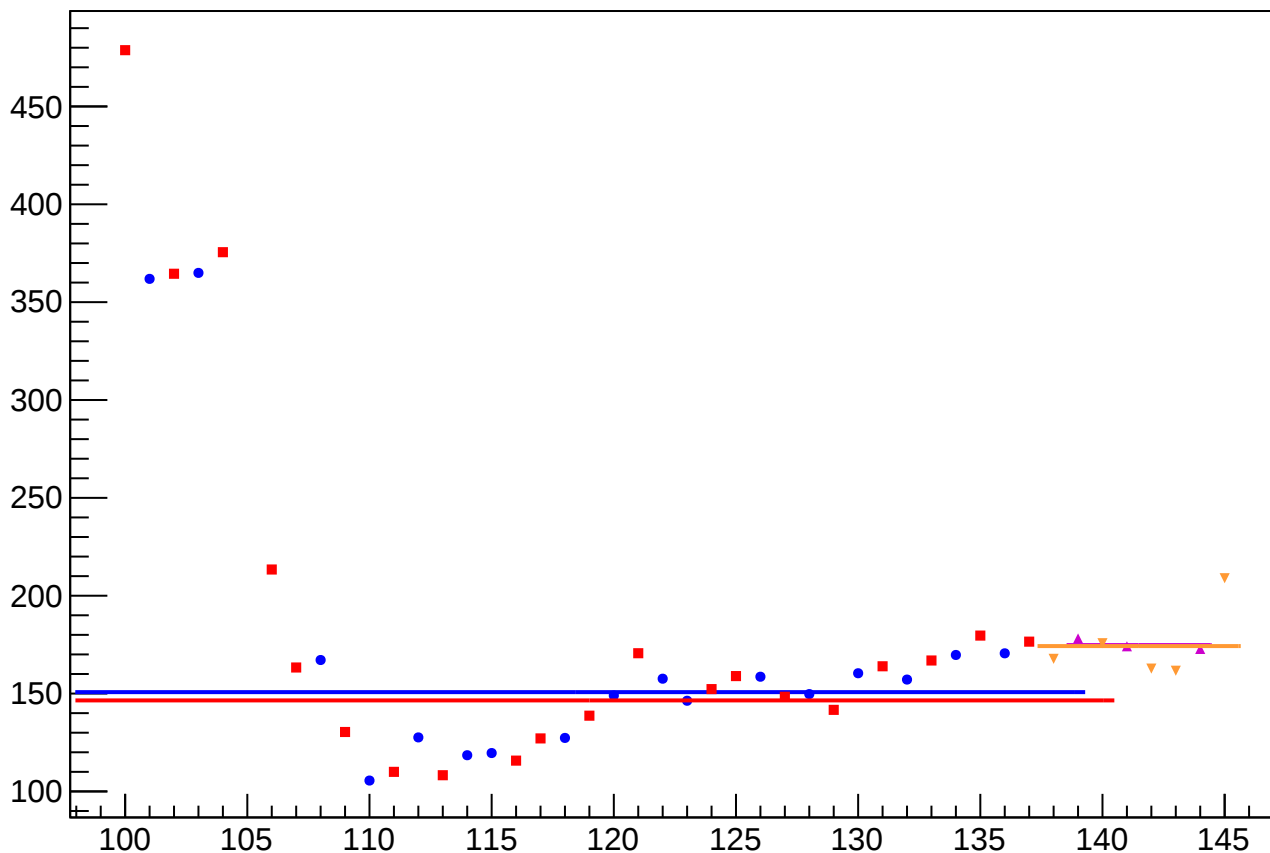
139322.423 ± 0.052 $\chi^2/\text{NDF}: 1995389267.3/21$

Right Out: 139651.821 ± 0.059 $\chi^2/\text{NDF}: 1531019137.4/19$

139255.027 ± 0.052 $\chi^2/\text{NDF}: 1793996832.8/22$

Left In: 137760.057 ± 0.114 $\chi^2/\text{NDF}: 45483937.6/2$

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733+/-0.044 χ^2/NDF : 1050071.6/16

Left Out: 174.266+/-0.069 χ^2/NDF :54192.7/4

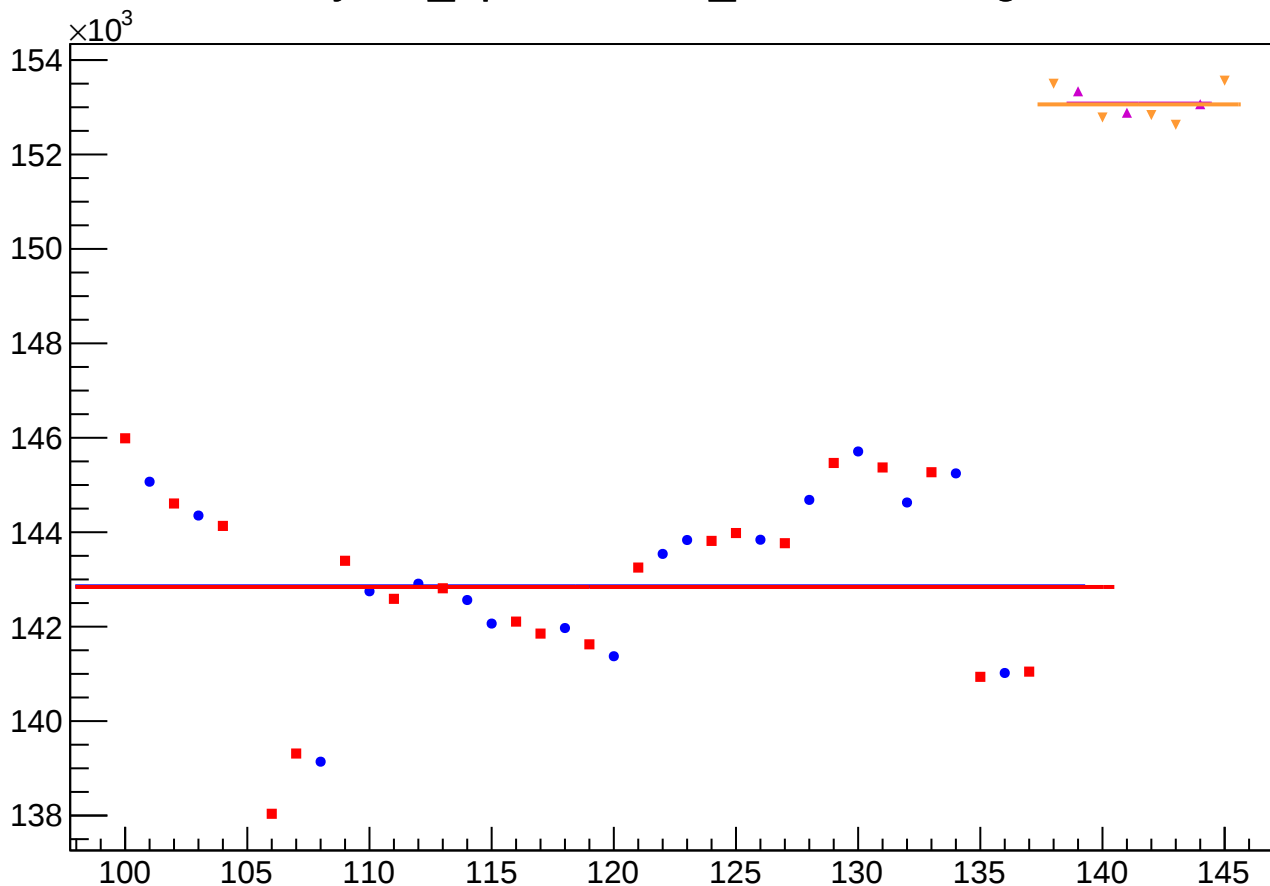
157.469+/-0.037 χ^2/NDF : 1186951.3/21

Right Out: 146.506+/-0.042 χ^2/NDF : 1205131.2/19

152.436+/-0.037 χ^2/NDF : 1303006.3/22

Left In: 174.777+/-0.081 χ^2/NDF :729.9/2

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065 χ^2 /NDF: 740367386.5/16

Left Out: 153060.810 $\pm$ 0.099 χ^2 /NDF: 15835568.3/4

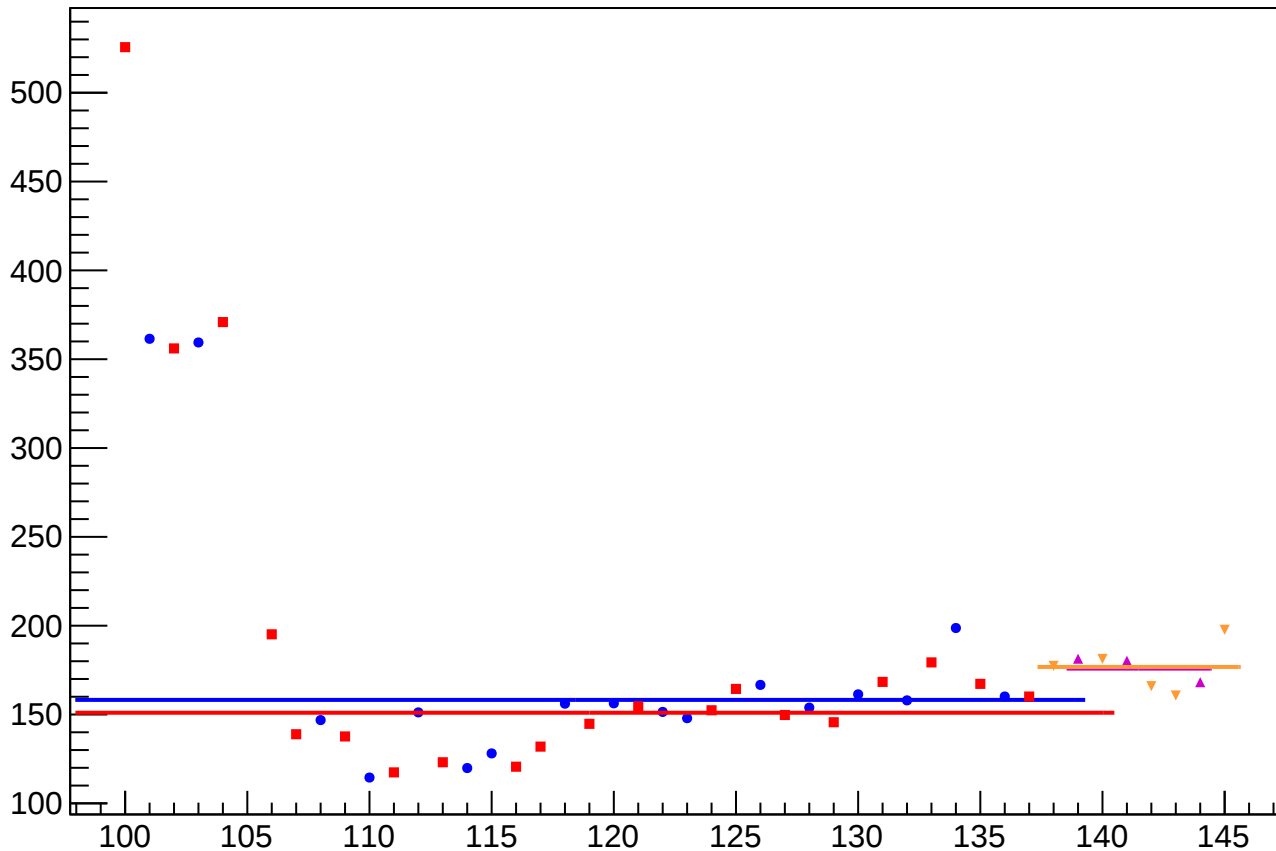
Right Out: 142840.509 $\pm$ 0.060 χ^2 /NDF: 852484333.4/19

Left In: 153077.870 $\pm$ 0.115 χ^2 /NDF: 2353734.4/2

145903.265 $\pm$ 0.054 χ^2 /NDF: 8198908507.1/21

145044.876 $\pm$ 0.053 χ^2 /NDF: 7096957586.5/22

yield_bpm0i05WS_rms vs Slug



Right In: 158.233 ± 0.046 χ^2/NDF : 883513.4/16

Left Out: 176.776 ± 0.070 χ^2/NDF : 32820.4/4

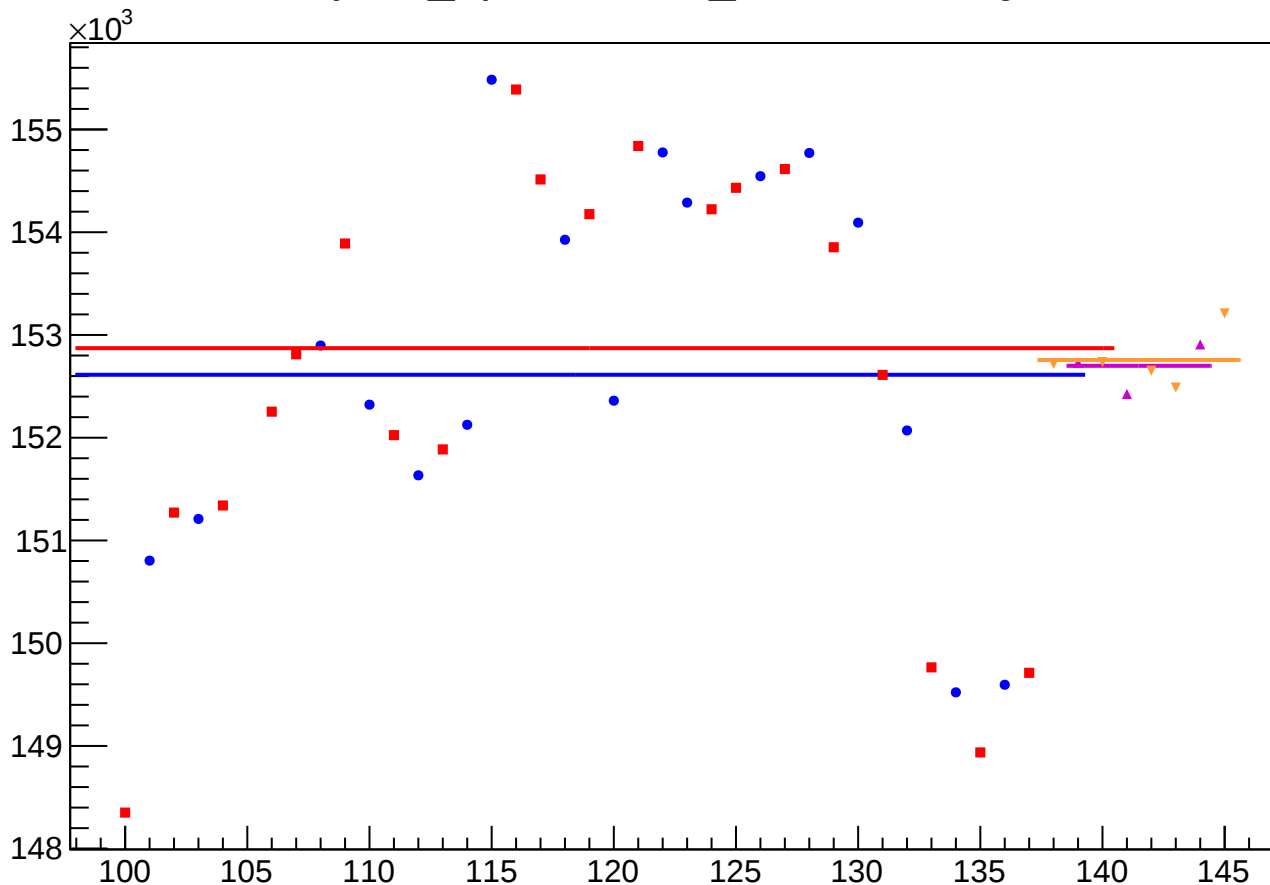
163.772 ± 0.038 χ^2/NDF : 965467.9/21

Right Out: 151.003 ± 0.043 χ^2/NDF : 1005104.9/19

156.351 ± 0.038 χ^2/NDF : 1084329.9/22

Left In: 175.838 ± 0.081 χ^2/NDF : 5754.4/2

yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072 χ^2 /NDF: 621416187.4/16

Left Out: 152756.151 $\pm$ 0.098 χ^2 /NDF: 5790196.6/4

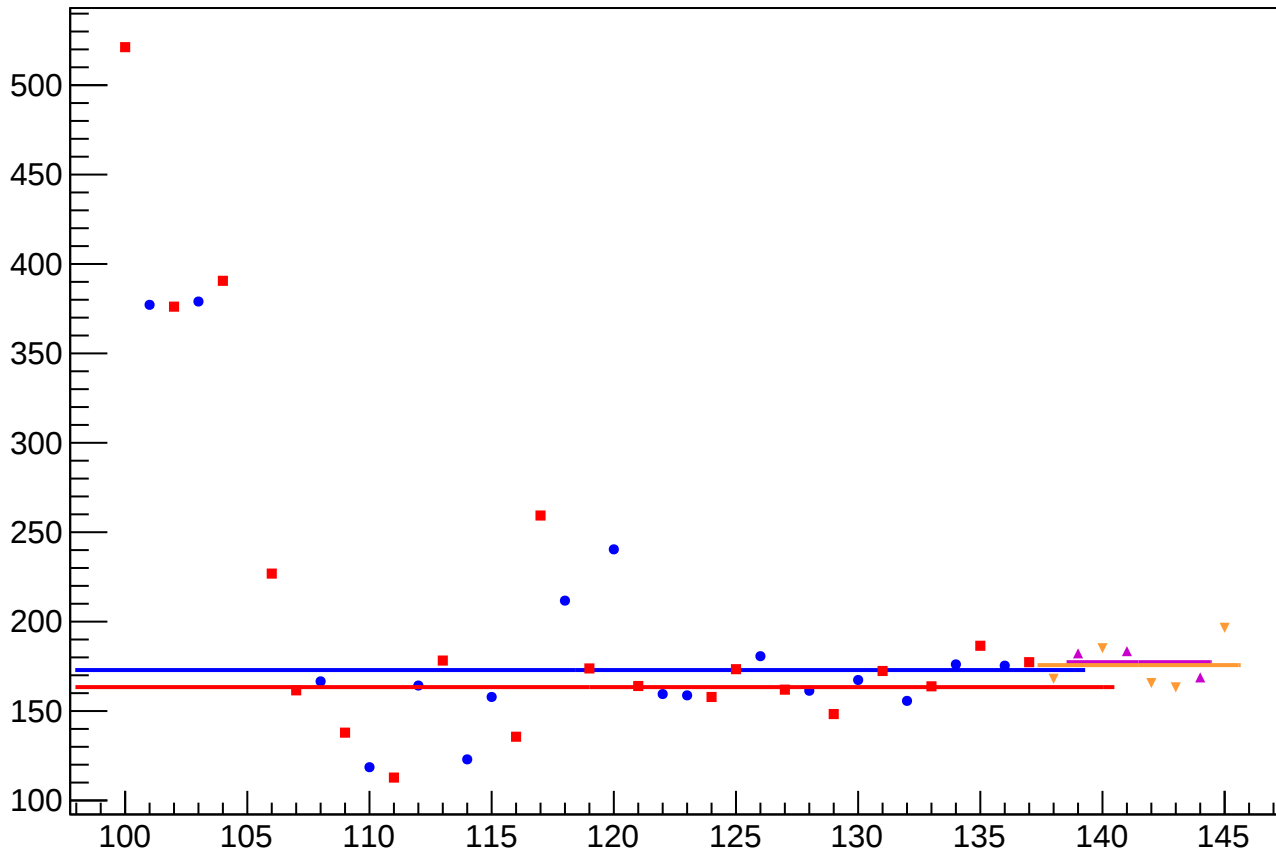
Right Out: 152871.618 $\pm$ 0.066 χ^2 /NDF: 720639345.6/19

Left In: 152699.923 $\pm$ 0.116 χ^2 /NDF: 3164856.2/2

152662.958 $\pm$ 0.058 χ^2 /NDF: 628595000.5/21

152829.291 $\pm$ 0.057 χ^2 /NDF: 725465866.2/22

yield_bpm0i07WS_rms vs Slug



Right In: 172.921 ± 0.051 χ^2/NDF : 941954.0/16

Left Out: 175.687 ± 0.069 χ^2/NDF : 33678.9/4

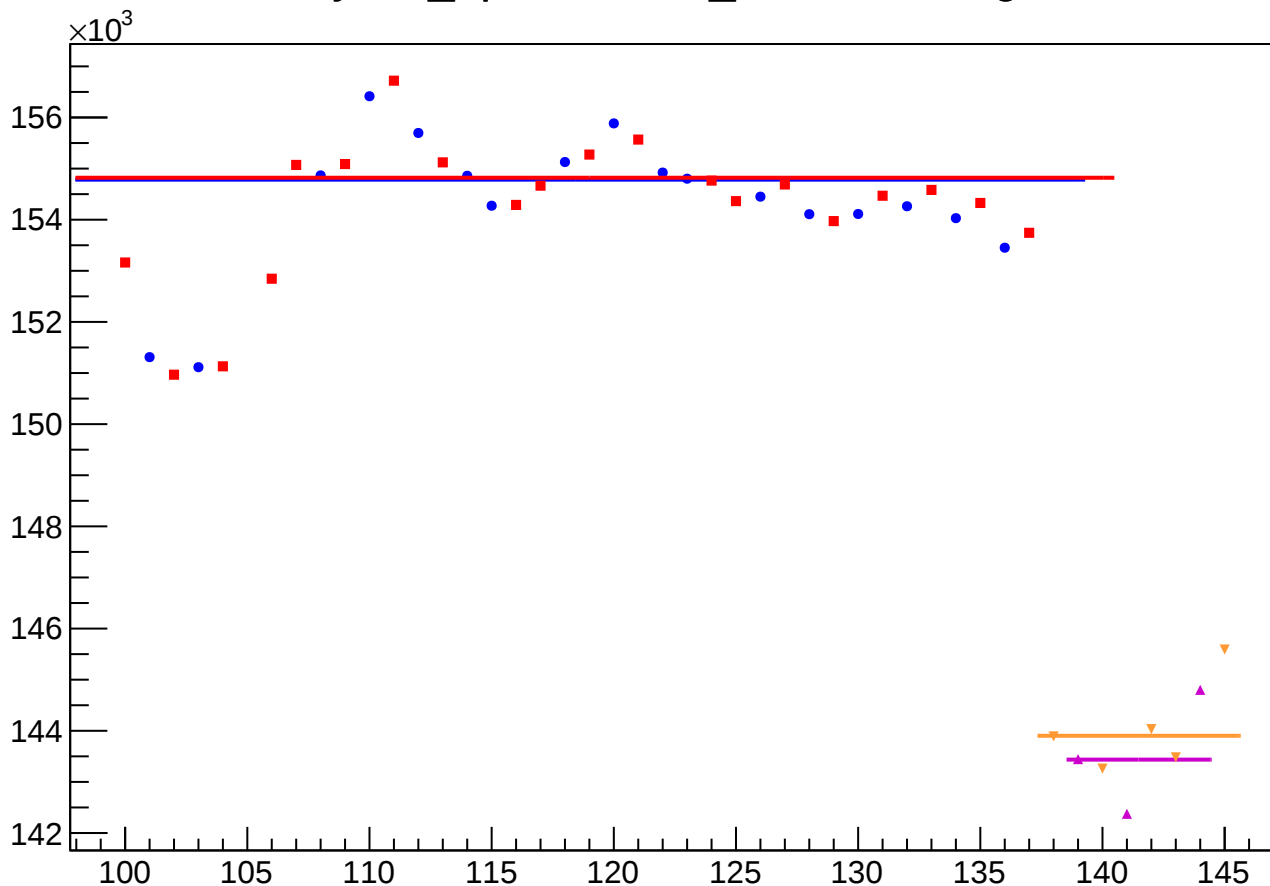
Right Out: 163.382 ± 0.047 χ^2/NDF : 1044431.2/19

Left In: 177.335 ± 0.082 χ^2/NDF : 7185.5/2

173.891 ± 0.041 χ^2/NDF : 976663.7/21

166.821 ± 0.041 χ^2/NDF : 1073565.8/22

yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 $\pm$ 0.065 χ^2 /NDF: 265581398.0/16

Left Out: 143902.899 $\pm$ 0.097 χ^2 /NDF: 61237130.5/4

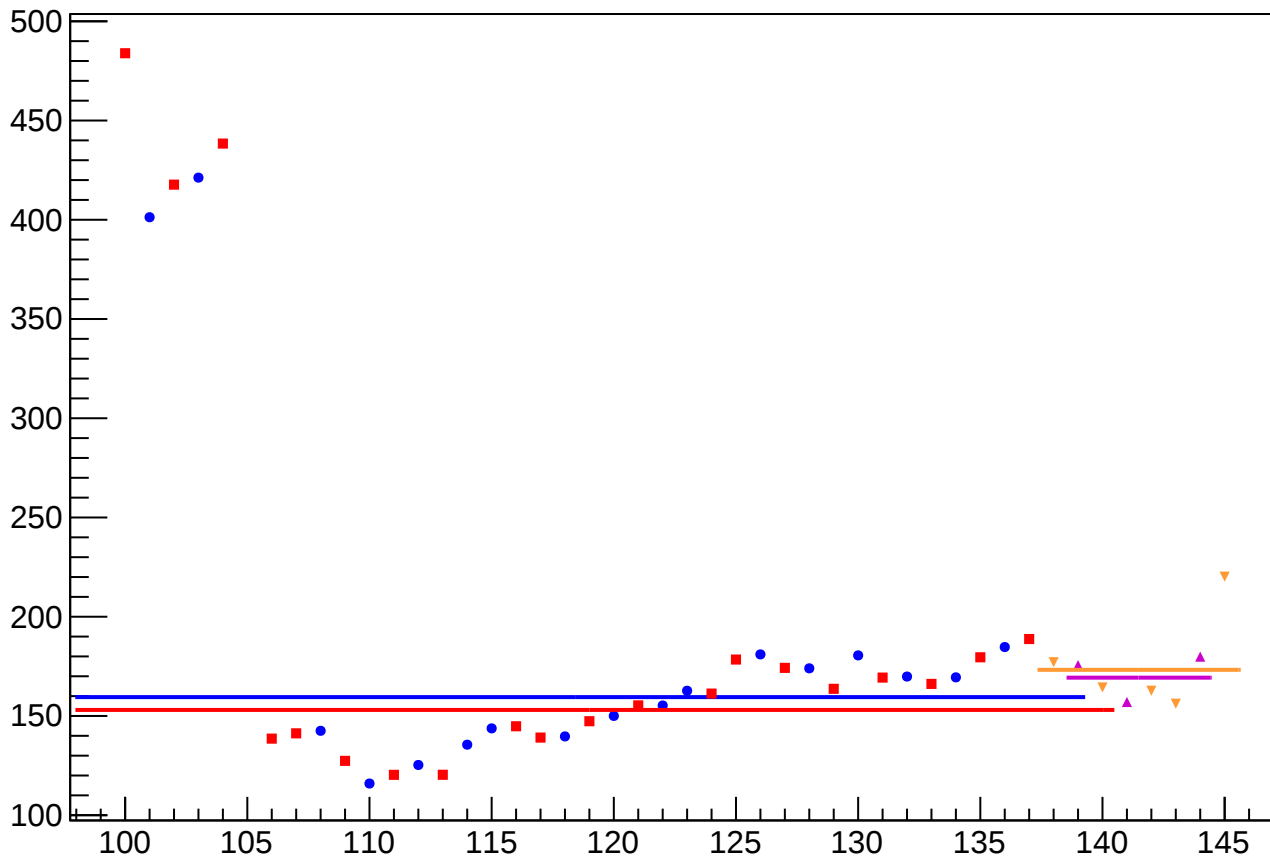
Right Out: 154820.824 $\pm$ 0.061 χ^2 /NDF: 293904936.4/19

Left In: 143436.032 $\pm$ 0.110 χ^2 /NDF: 87038640.8/2

151369.603 $\pm$ 0.054 χ^2 /NDF: 9021379998.7/21

152180.982 $\pm$ 0.053 χ^2 /NDF: 8554988727.0/22

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 173.244 $\pm$ 0.068 χ^2 /NDF:92277.3/4

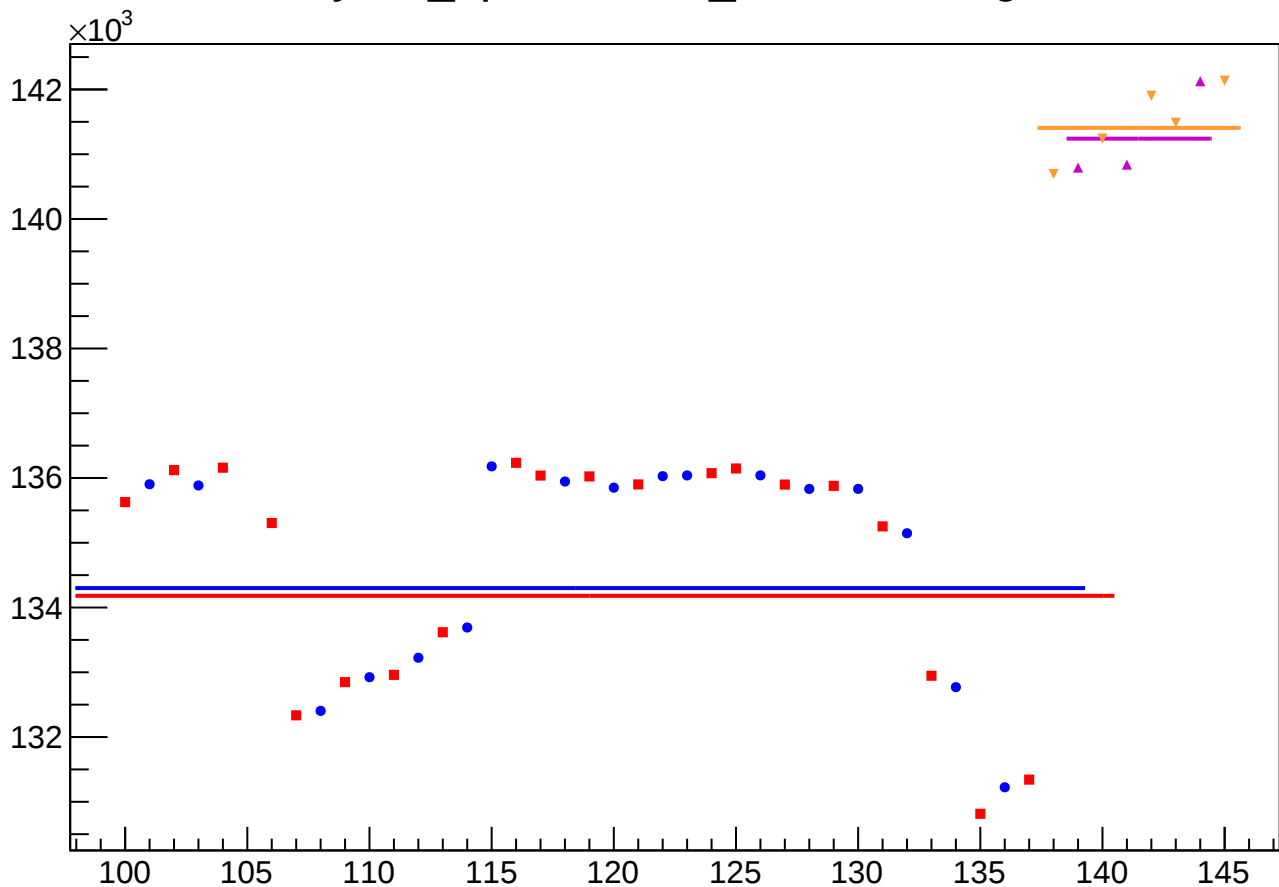
163.815 $\pm$ 0.038 χ^2 /NDF: 1251849.7/21

Right Out: 153.038 $\pm$ 0.043 χ^2 /NDF: 1174616.4/19

156.808 $\pm$ 0.038 χ^2 /NDF: 1225801.7/22

Left In: 169.297 $\pm$ 0.078 χ^2 /NDF:17842.6/2

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 $\pm$ 0.050 χ^2 /NDF: 1149581803.2/16

Left Out: 141406.720 $\pm$ 0.094 χ^2 /NDF: 26209345.1/4

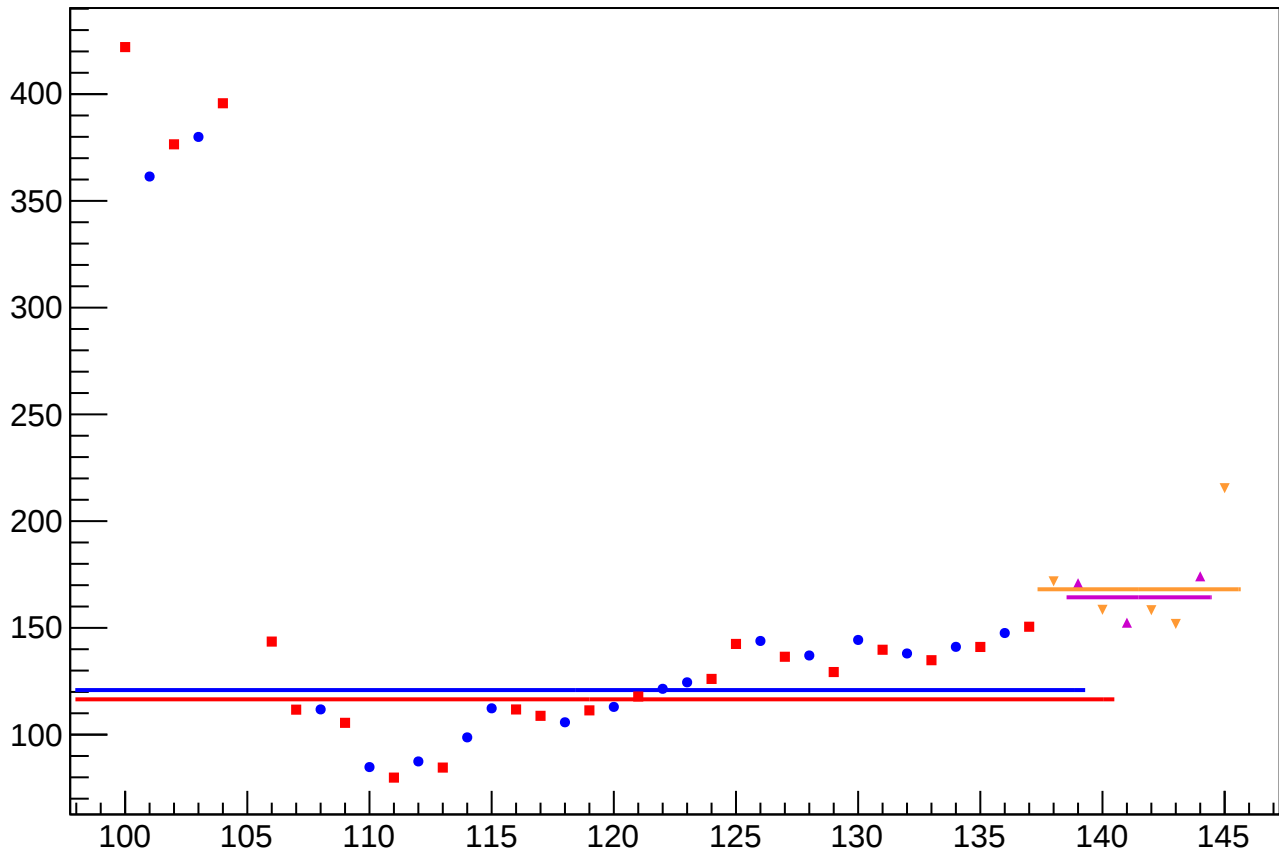
Right Out: 134180.888 $\pm$ 0.047 χ^2 /NDF: 1224202240.2/19

Left In: 141240.729 $\pm$ 0.107 χ^2 /NDF: 32377604.8/2

135887.147 $\pm$ 0.044 χ^2 /NDF: 5626342621.3/21

135327.744 $\pm$ 0.043 χ^2 /NDF: 4890934442.7/22

yield_bpm1i04WS_rms vs Slug



Right In: 120.872+/-0.036 χ^2/NDF : 1463728.4/16

Left Out: 168.079+/-0.066 χ^2/NDF : 96802.1/4

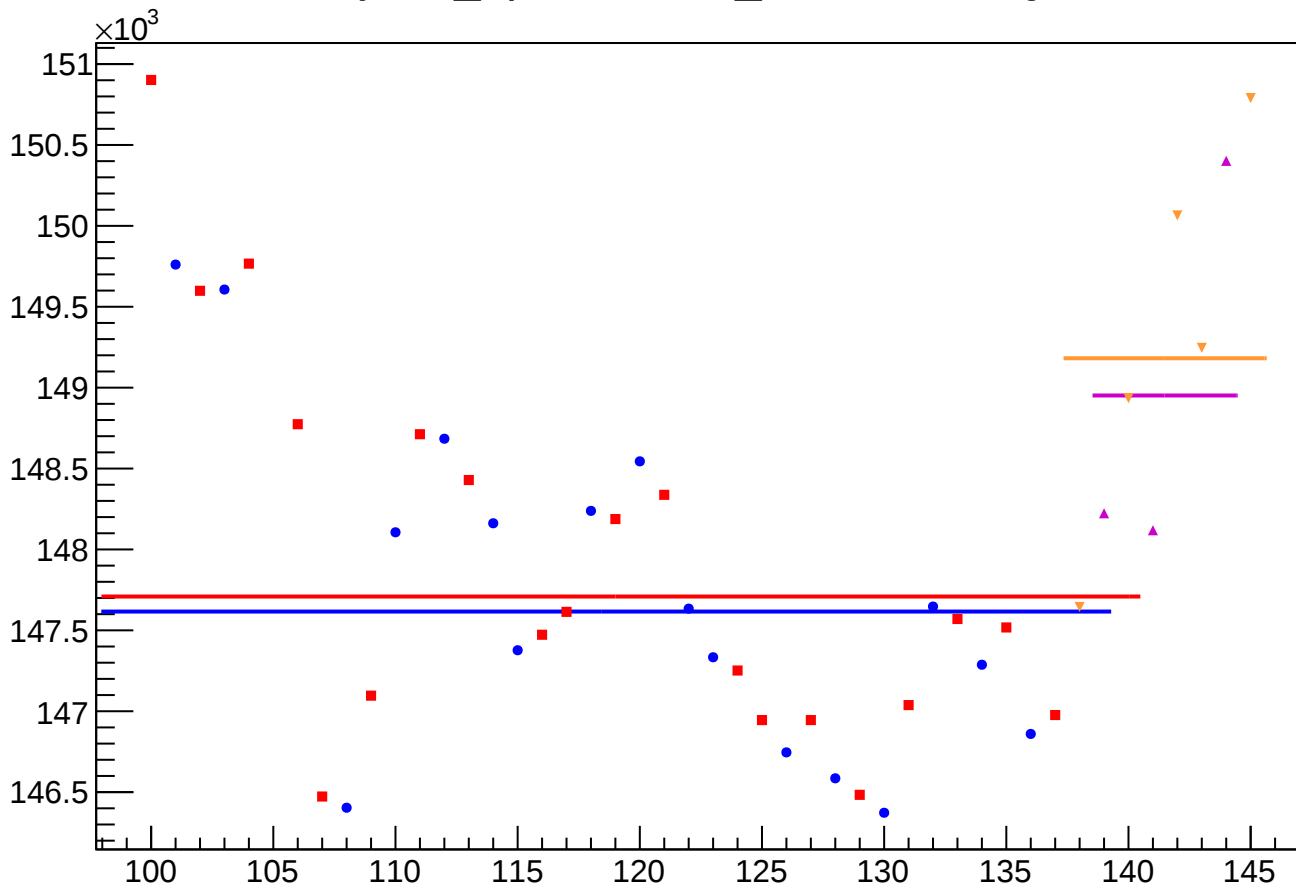
131.415+/-0.031 χ^2/NDF : 1953279.5/21

Right Out: 116.531+/-0.033 χ^2/NDF : 1541779.4/19

124.294+/-0.031 χ^2/NDF : 1892401.0/22

Left In: 164.318+/-0.076 χ^2/NDF : 17590.4/2

yield_bpm1i06WS_mean vs Slug



Right In: 147616.150 ± 0.062 χ^2/NDF : 199263428.7/16

Left Out: 149181.659 ± 0.112 χ^2/NDF : 87043373.8/4

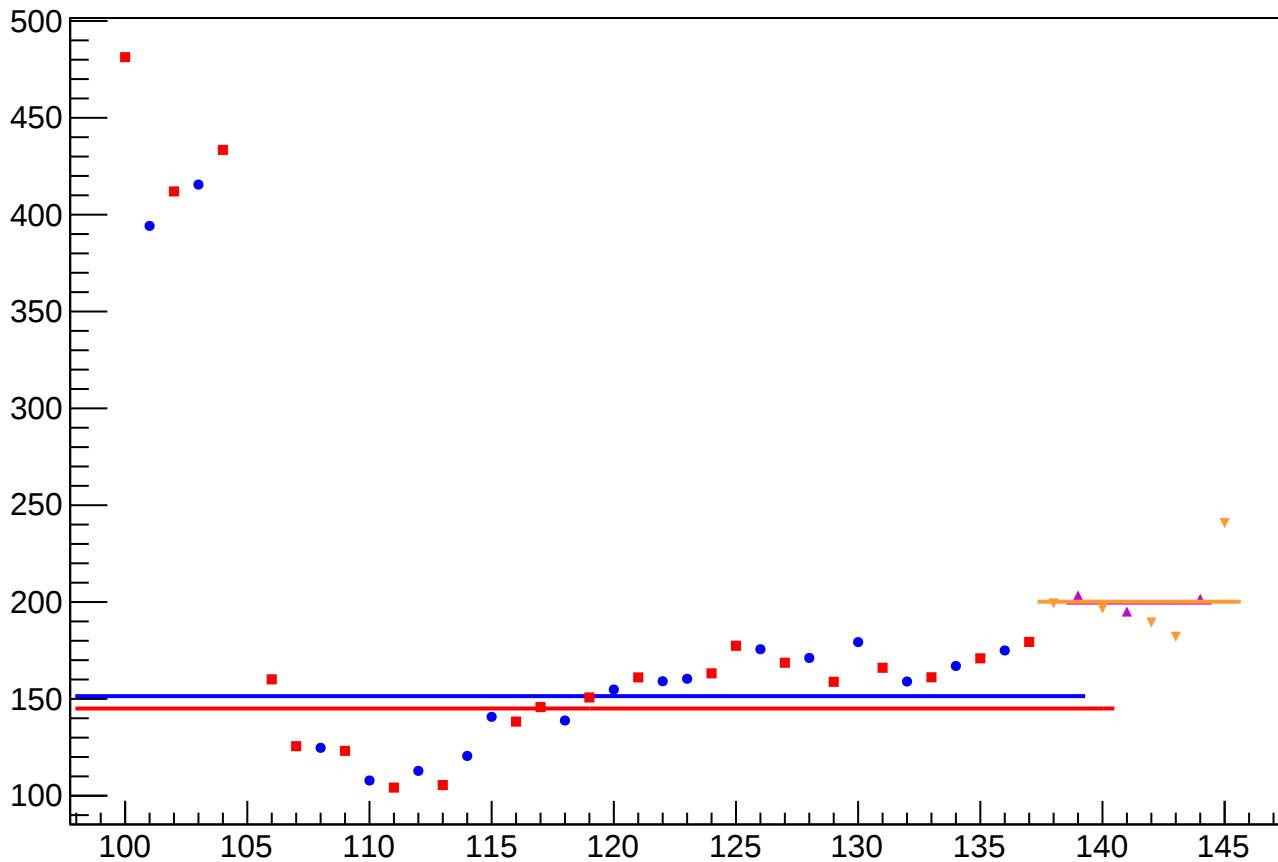
Right Out: 147709.096 ± 0.058 χ^2/NDF : 203924272.1/19

Left In: 148951.586 ± 0.130 χ^2/NDF : 67743591.5/2

147990.279 ± 0.055 χ^2/NDF : 436325744.1/21

147916.159 ± 0.053 χ^2/NDF : 347793287.5/22

yield_bpm1i06WS_rms vs Slug



Right In: 151.424 $\pm$ 0.044 χ^2 /NDF: 1257843.0/16

Left Out: 200.180 $\pm$ 0.079 χ^2 /NDF: 58092.0/4

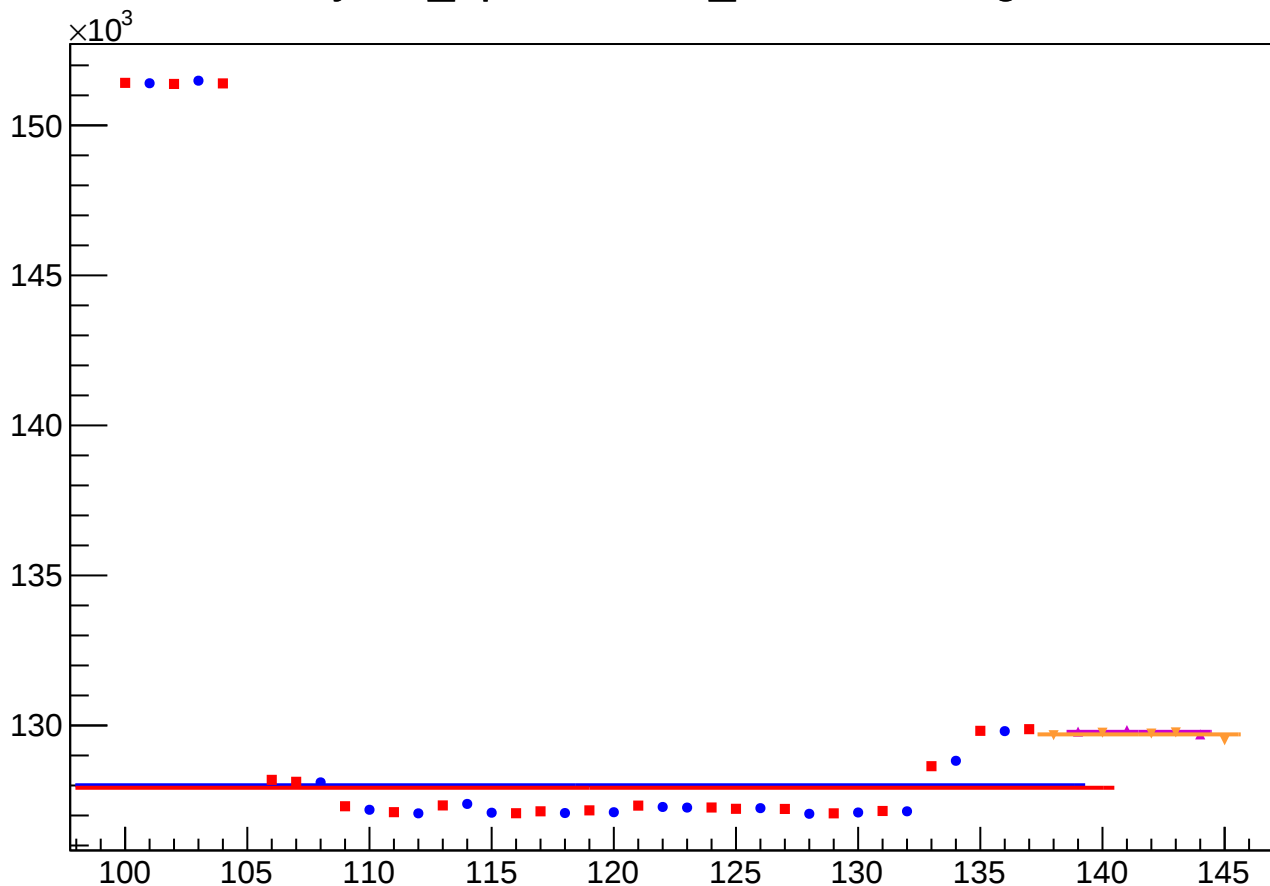
163.076 $\pm$ 0.039 χ^2 /NDF: 1606955.6/21

Right Out: 145.044 $\pm$ 0.041 χ^2 /NDF: 1375974.1/19

154.154 $\pm$ 0.038 χ^2 /NDF: 1672185.4/22

Left In: 199.705 $\pm$ 0.092 χ^2 /NDF: 1543.0/2

yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16

Left Out: 129702.931 $\pm$ 0.096 χ^2 /NDF: 828240.2/4

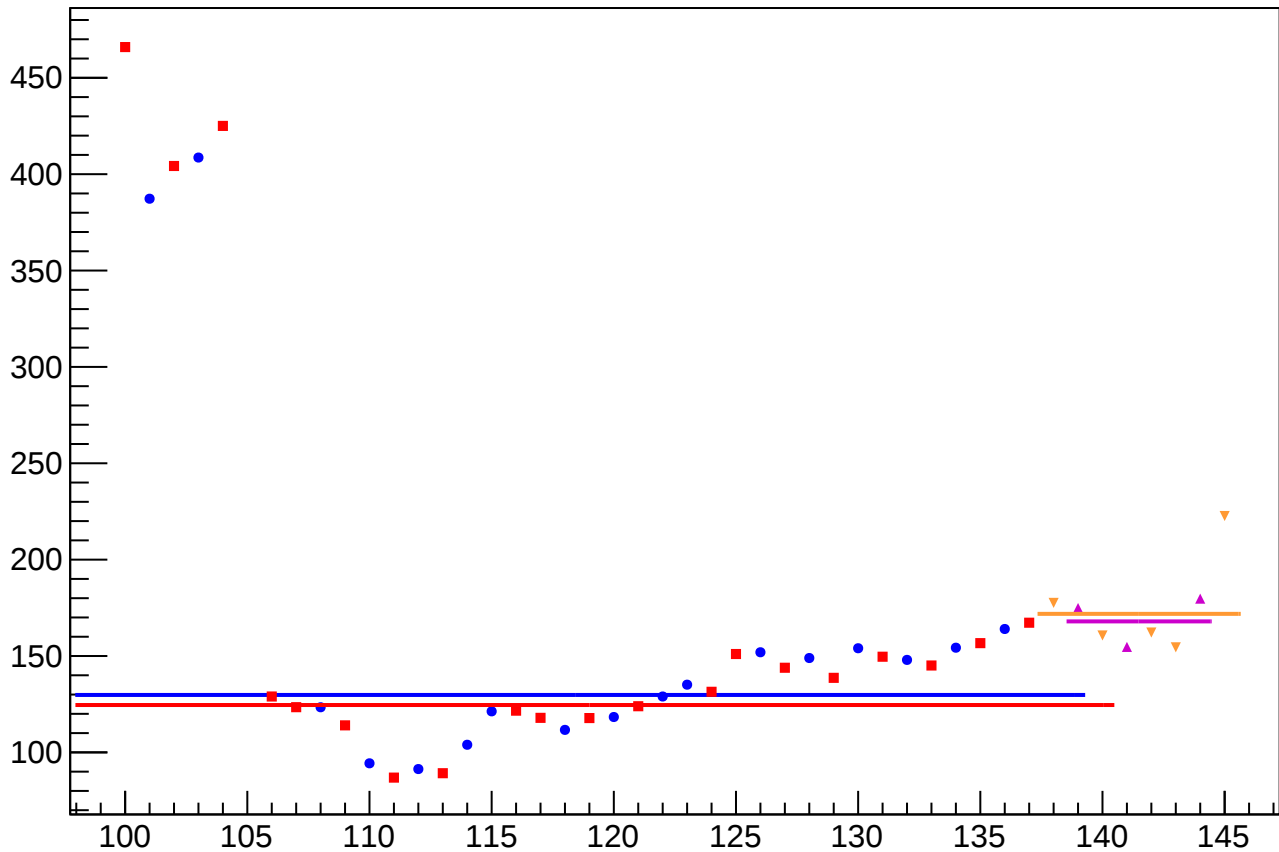
Right Out: 127923.940 $\pm$ 0.050 χ^2 /NDF: 3770107280.1/19

Left In: 129787.822 $\pm$ 0.110 χ^2 /NDF: 312237.8/2

128416.086 $\pm$ 0.047 χ^2 /NDF: 4557188720.3/21

128247.262 $\pm$ 0.046 χ^2 /NDF: 4009712328.1/22

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 $\pm$ 0.038 χ^2 /NDF: 1485294.2/16

Left Out: 171.871 $\pm$ 0.068 χ^2 /NDF:106349.3/4

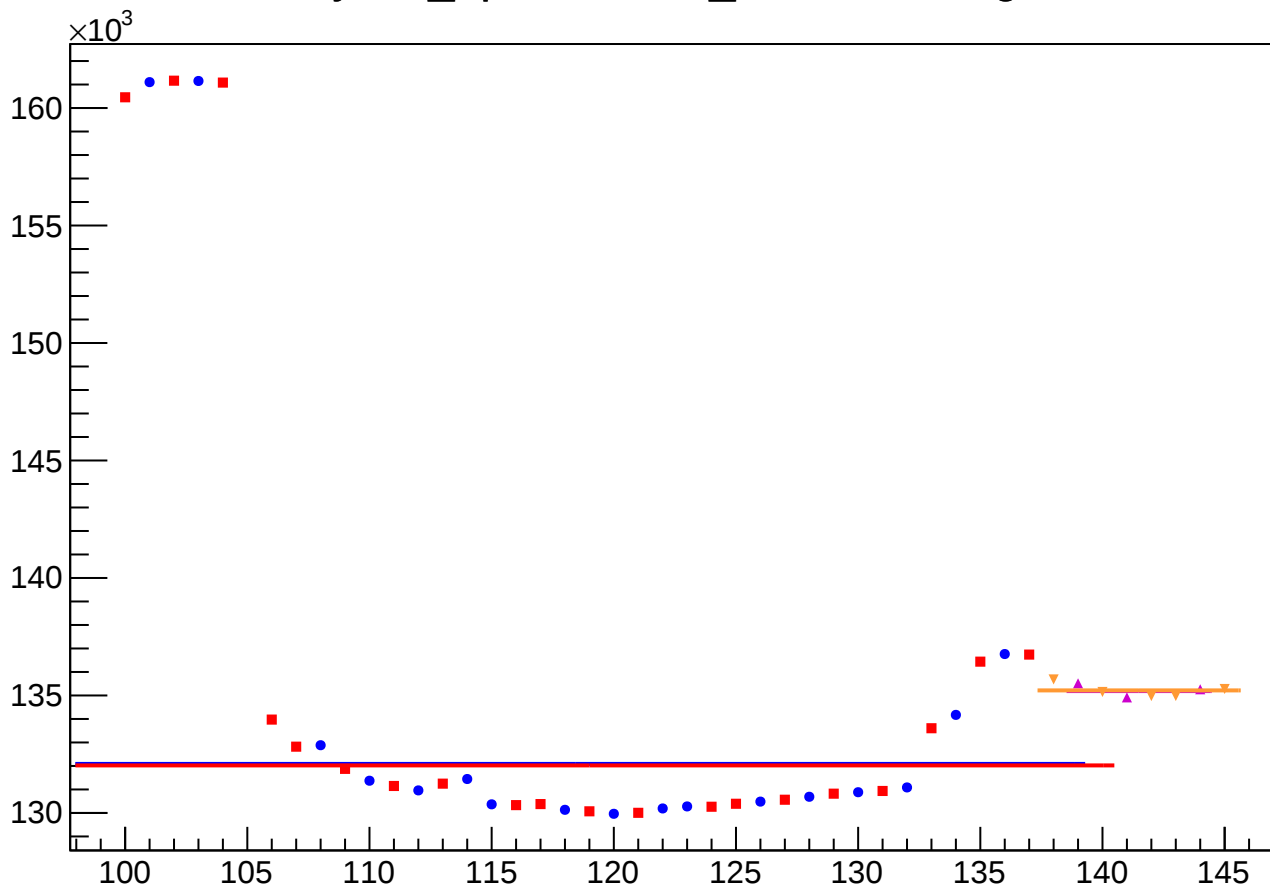
139.938 $\pm$ 0.033 χ^2 /NDF: 1882997.6/21

Right Out: 124.572 $\pm$ 0.035 χ^2 /NDF: 1532105.0/19

132.098 $\pm$ 0.032 χ^2 /NDF: 1813105.3/22

Left In: 167.956 $\pm$ 0.077 χ^2 /NDF:21708.8/2

yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 ± 0.057 $\chi^2/\text{NDF}: 6733230928.7/16$

Left Out: 135215.506 ± 0.100 $\chi^2/\text{NDF}: 6964590.9/4$

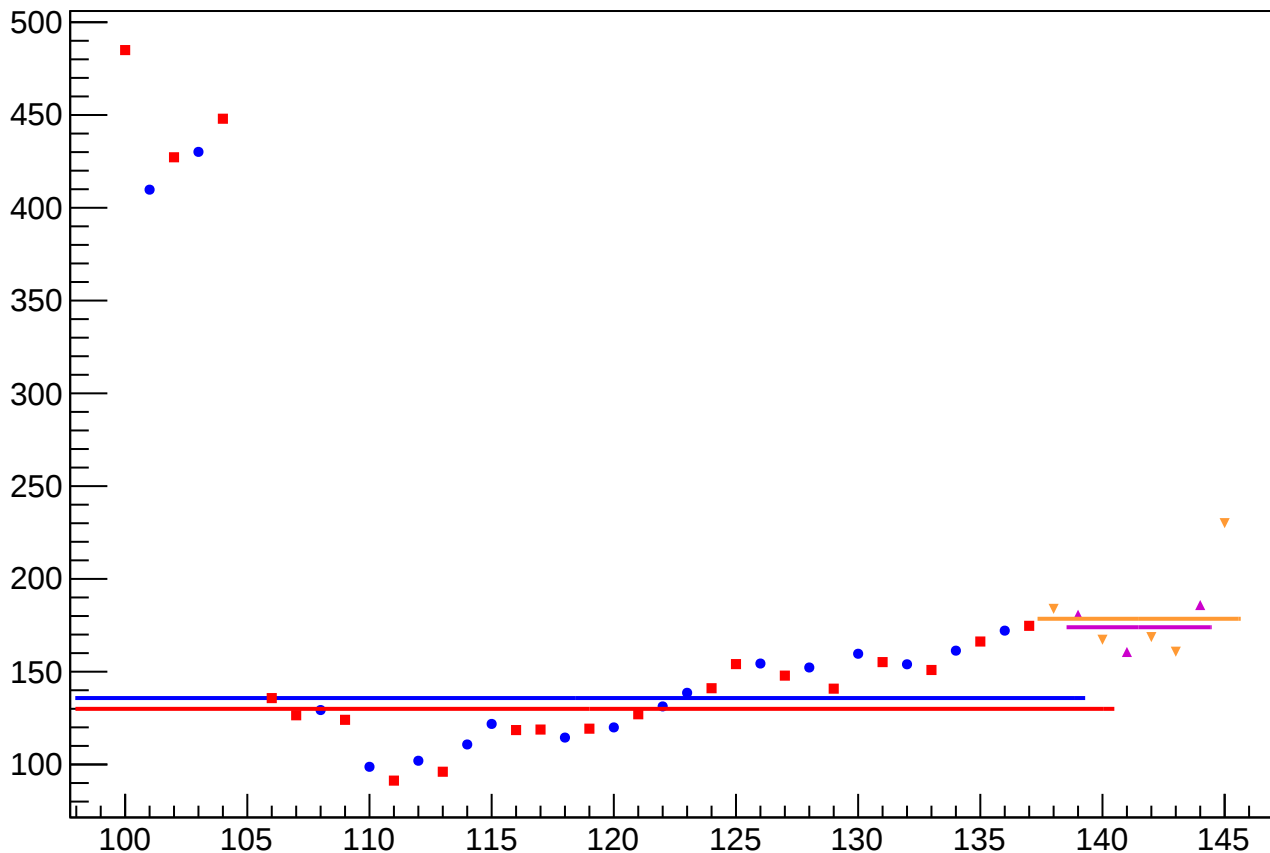
Right Out: 132023.609 ± 0.052 $\chi^2/\text{NDF}: 5890492527.2/19$

Left In: 135186.858 ± 0.113 $\chi^2/\text{NDF}: 4706175.1/2$

132847.971 ± 0.049 $\chi^2/\text{NDF}: 7485556883.1/21$

132578.269 ± 0.048 $\chi^2/\text{NDF}: 6536427505.1/22$

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 ± 0.040 χ^2/NDF : 1441904.9/16

Left Out: 178.517 ± 0.070 χ^2/NDF : 102200.5/4

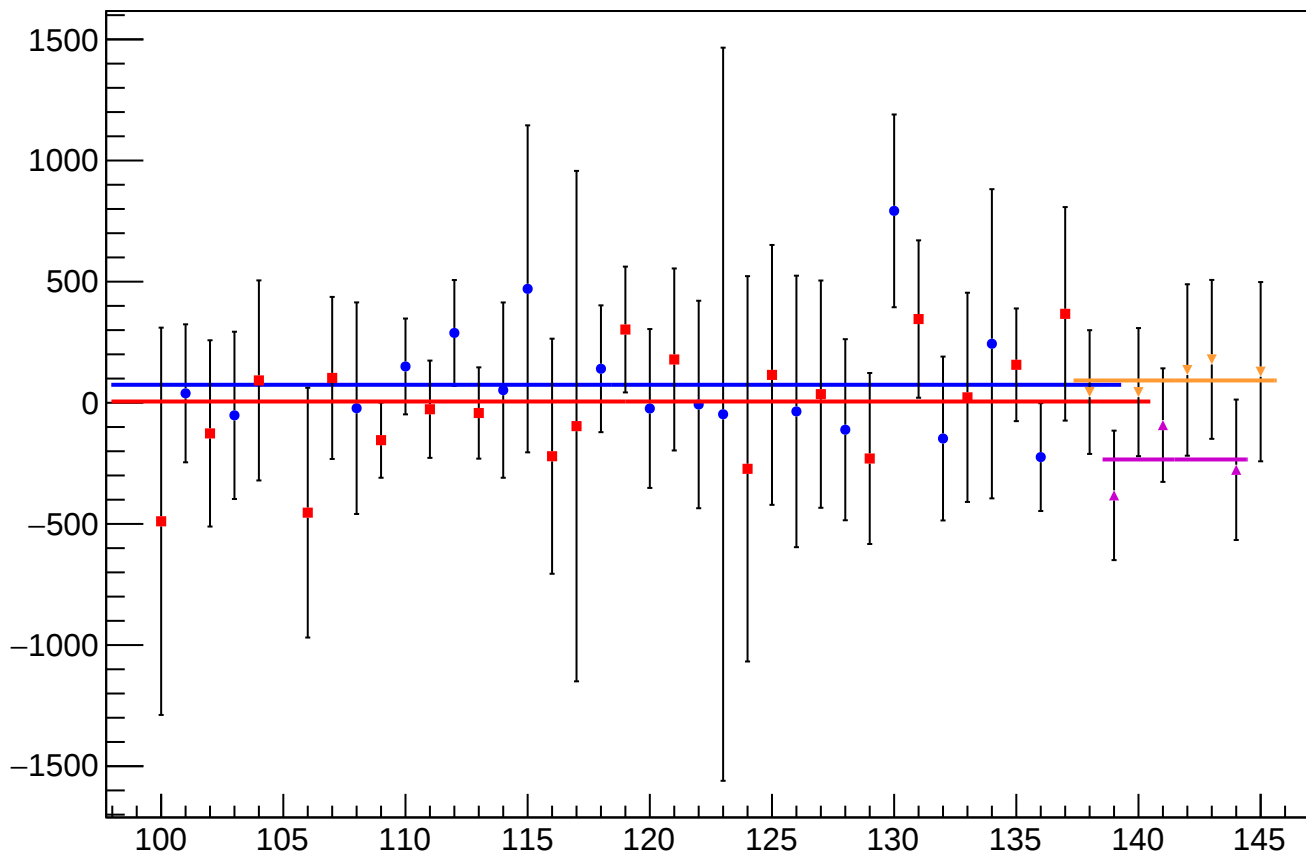
Right Out: 129.975 ± 0.037 χ^2/NDF : 1504768.0/19

Left In: 173.953 ± 0.080 χ^2/NDF : 20437.4/2

146.190 ± 0.035 χ^2/NDF : 1822041.8/21

137.686 ± 0.034 χ^2/NDF : 1773082.7/22

asym_bcm_an_ds_mean vs Slug



Right In: 74.294 ± 79.018 χ^2/NDF : 7.7/16

Left Out: 92.117 ± 135.793 χ^2/NDF : 0.2/4

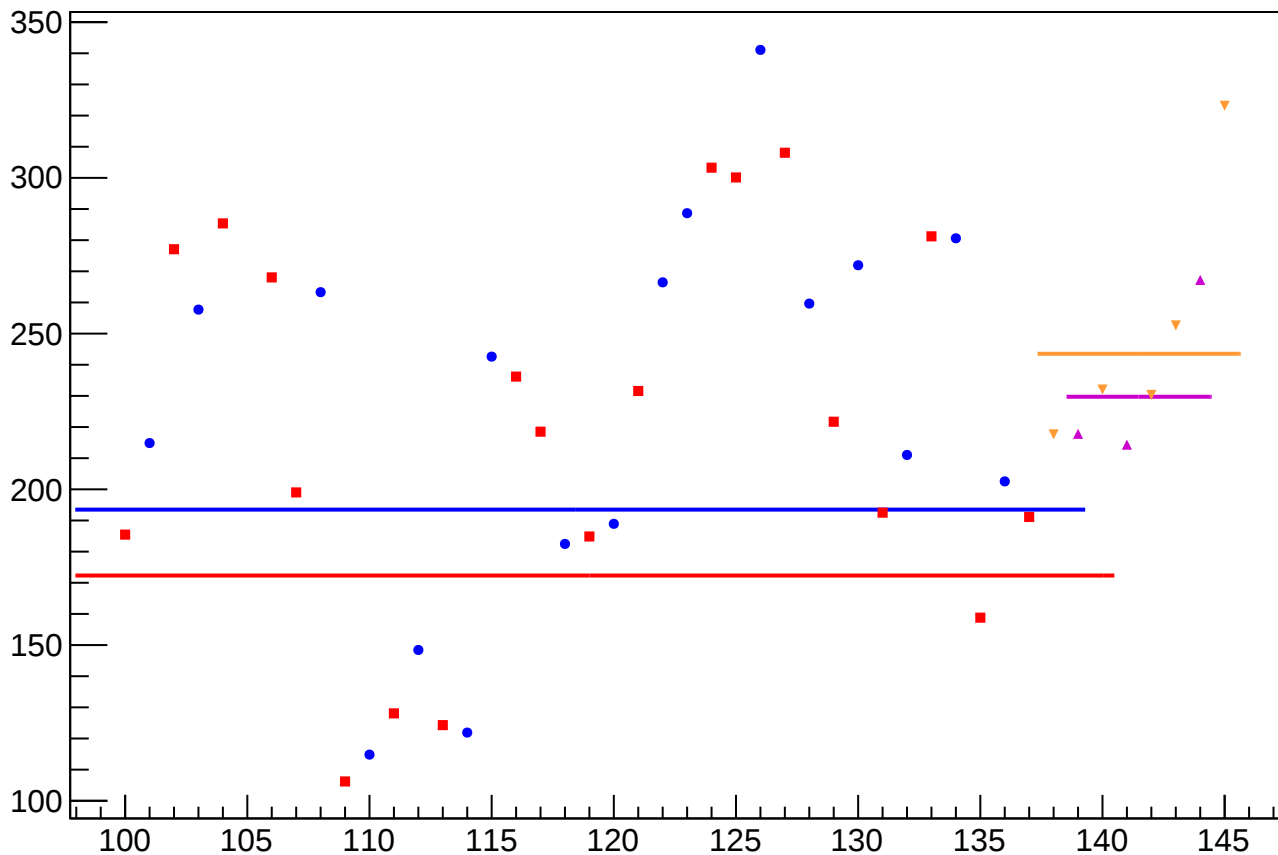
Right Out: 5.290 ± 69.914 χ^2/NDF : 7.1/19

Left In: -233.973 ± 150.564 χ^2/NDF : 0.7/2

78.803 ± 68.297 χ^2/NDF : 7.9/21

-37.149 ± 63.411 χ^2/NDF : 9.9/22

asym_bcm_an_ds_rms vs Slug



Right In: 193.488 ± 0.056 χ^2/NDF : 1017195.7/16

Left Out: 243.523 ± 0.096 χ^2/NDF : 121315.9/4

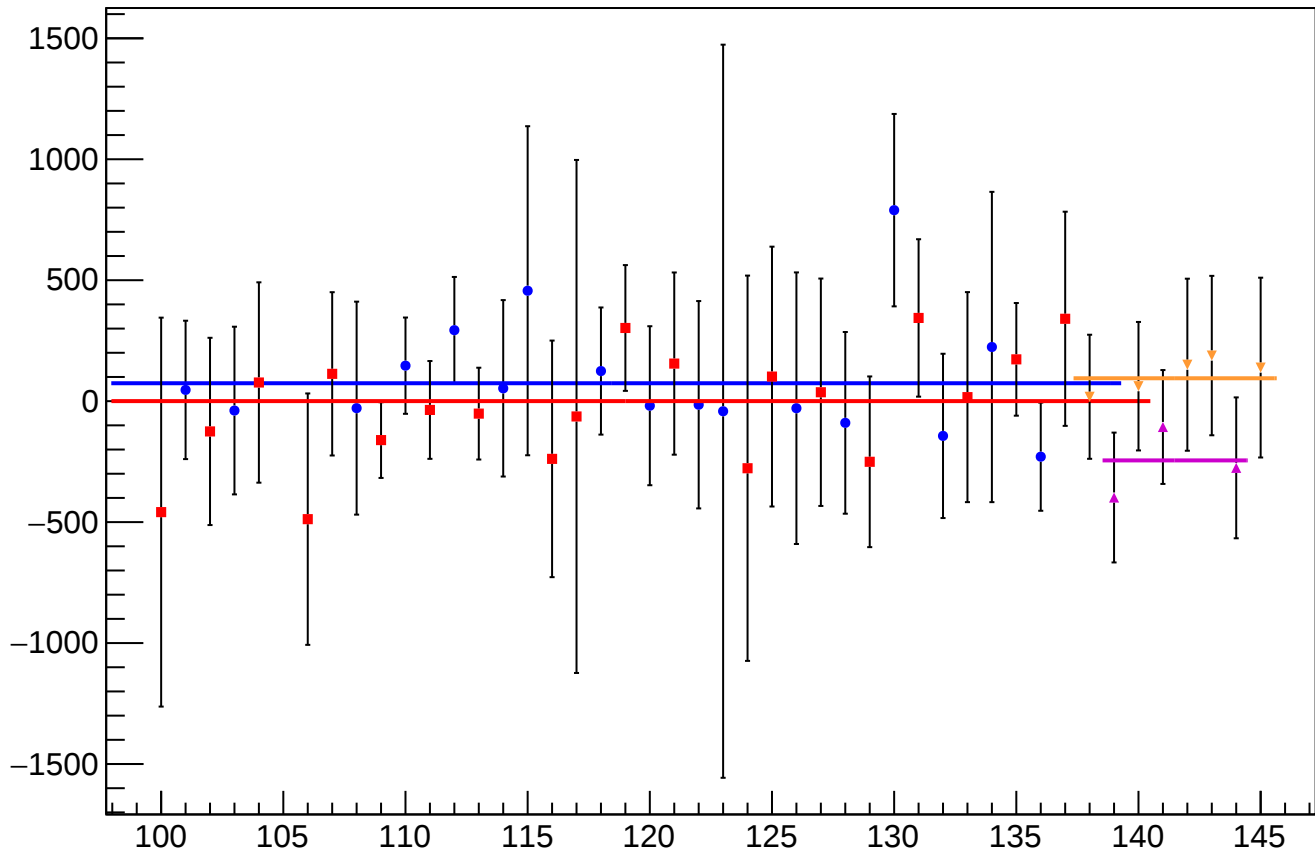
206.145 ± 0.048 χ^2/NDF : 1341358.0/21

Right Out: 172.327 ± 0.049 χ^2/NDF : 1583701.4/19

182.508 ± 0.045 χ^2/NDF : 1868884.5/22

Left In: 229.724 ± 0.106 χ^2/NDF : 46081.9/2

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098 ± 79.404 χ^2/NDF : 7.6/16

Left Out: 94.637 ± 136.414 χ^2/NDF : 0.2/4

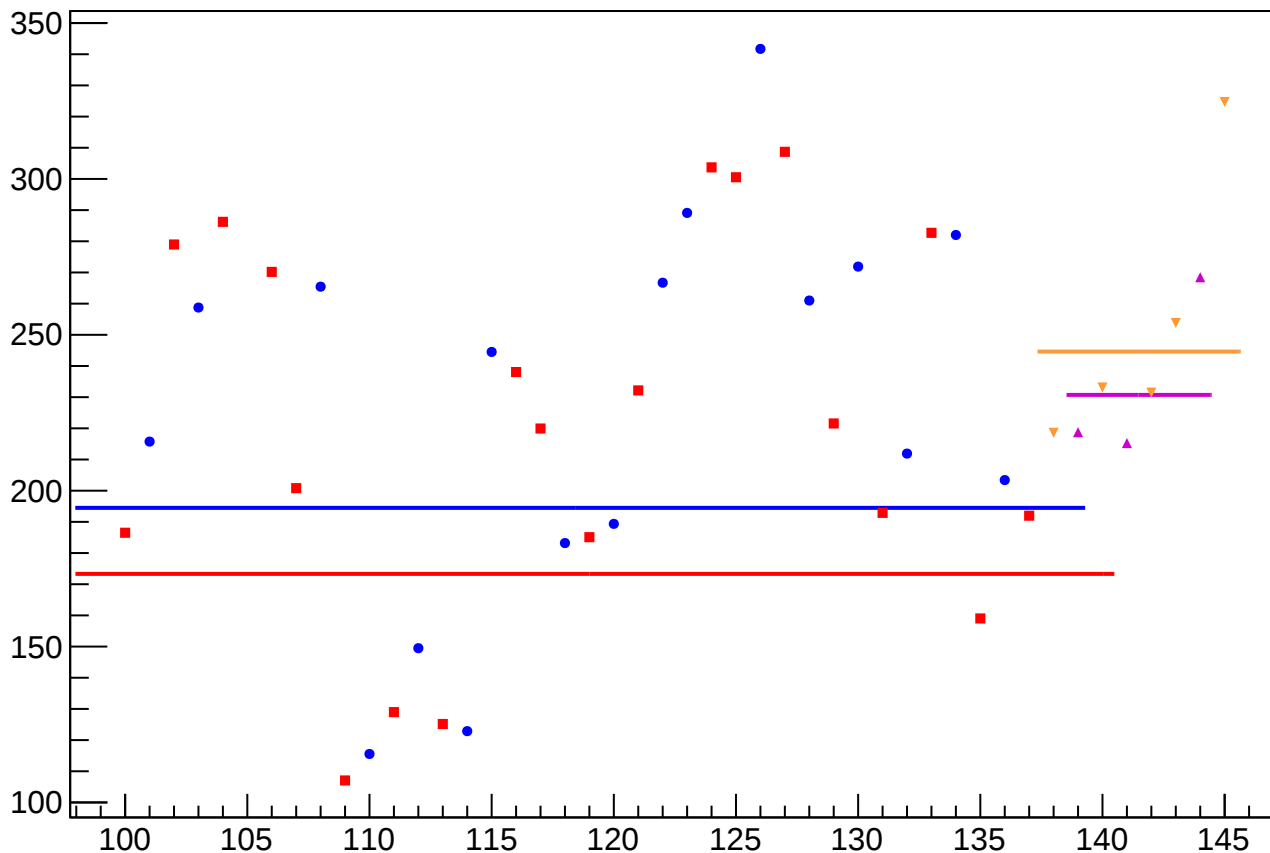
Right Out: 0.223 ± 70.282 χ^2/NDF : 7.3/19

Left In: -244.903 ± 151.225 χ^2/NDF : 0.7/2

79.296 ± 68.625 χ^2/NDF : 7.8/21

-43.318 ± 63.735 χ^2/NDF : 10.2/22

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496 +/- 0.056 χ^2/NDF : 1008514.7/16

Left Out: 244.631 +/- 0.096 χ^2/NDF : 121494.8/4

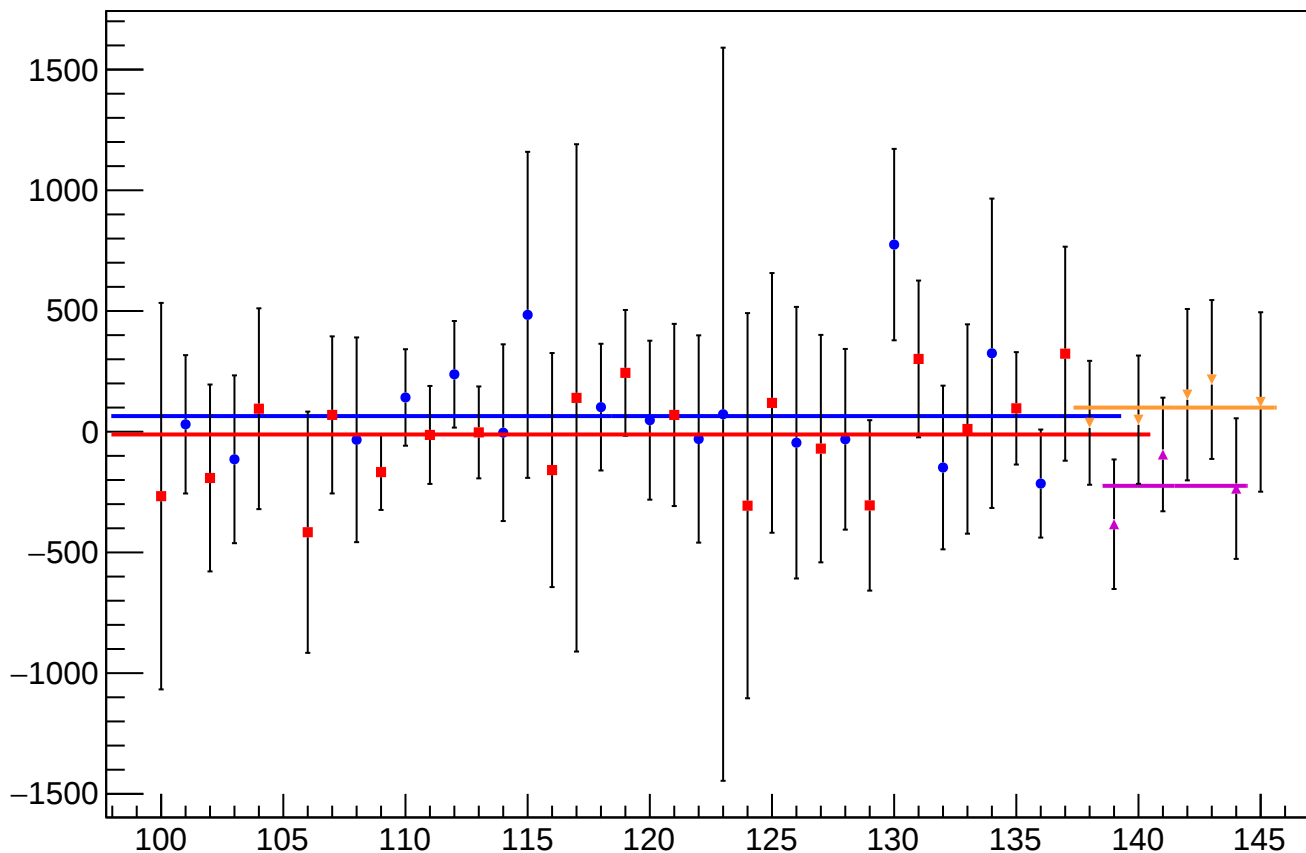
Right Out: 173.317 +/- 0.050 χ^2/NDF : 1571258.4/19

Left In: 230.728 +/- 0.107 χ^2/NDF : 46192.4/2

207.184 +/- 0.049 χ^2/NDF : 1331786.2/21

183.515 +/- 0.045 χ^2/NDF : 1854503.9/22

asym_bcm_an_us_mean vs Slug



Right In: 64.733+/-79.399 χ^2/NDF : 7.0/16

Left Out: 99.943+/-136.391 χ^2/NDF : 0.2/4

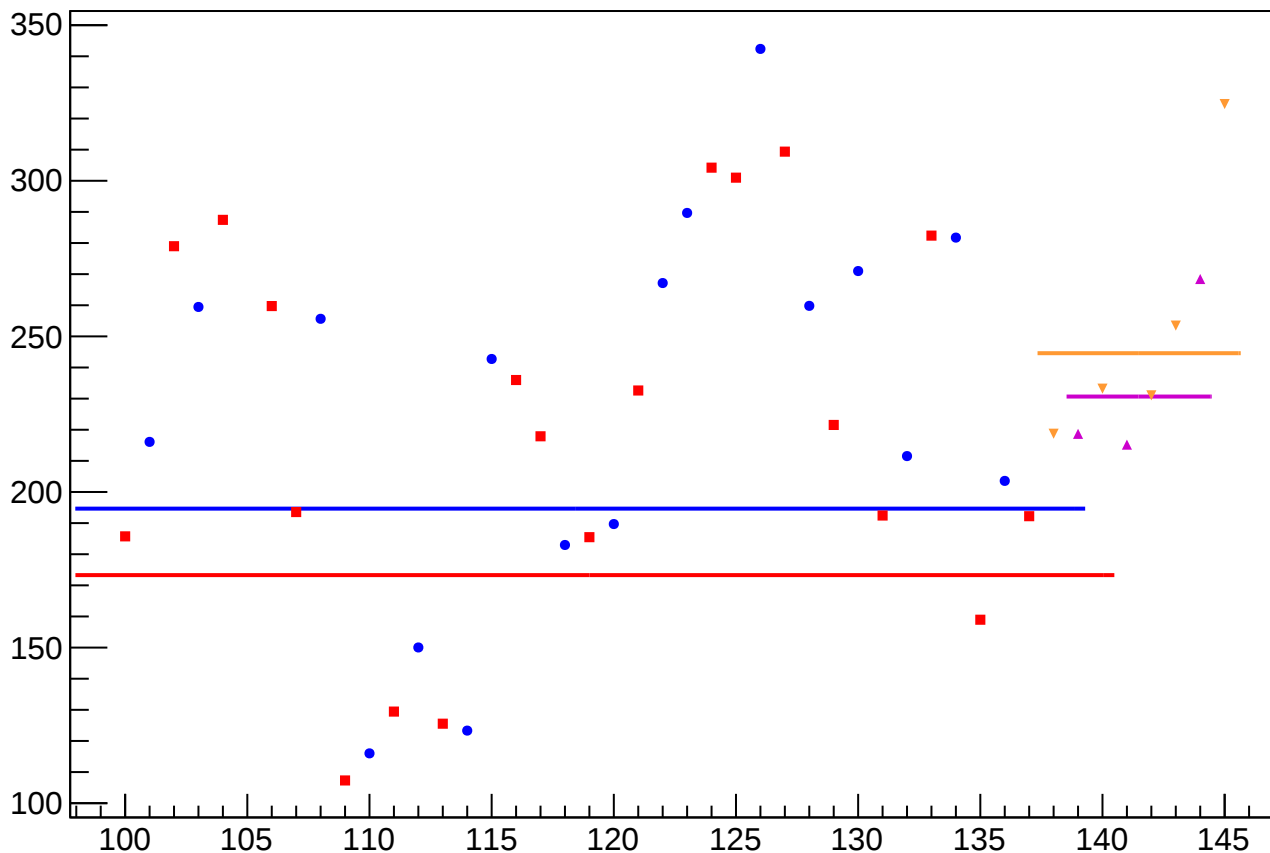
Right Out: -11.414+/-70.204 χ^2/NDF : 5.8/19

Left In: -224.117+/-151.184 χ^2/NDF : 0.7/2

73.645+/-68.619 χ^2/NDF : 7.3/21

-49.144+/-63.673 χ^2/NDF : 8.1/22

asym_bcm_an_us_rms vs Slug



Right In: 194.652+/-0.056 χ^2/NDF : 986798.9/16

Left Out: 244.598+/-0.096 χ^2/NDF :121188.5/4

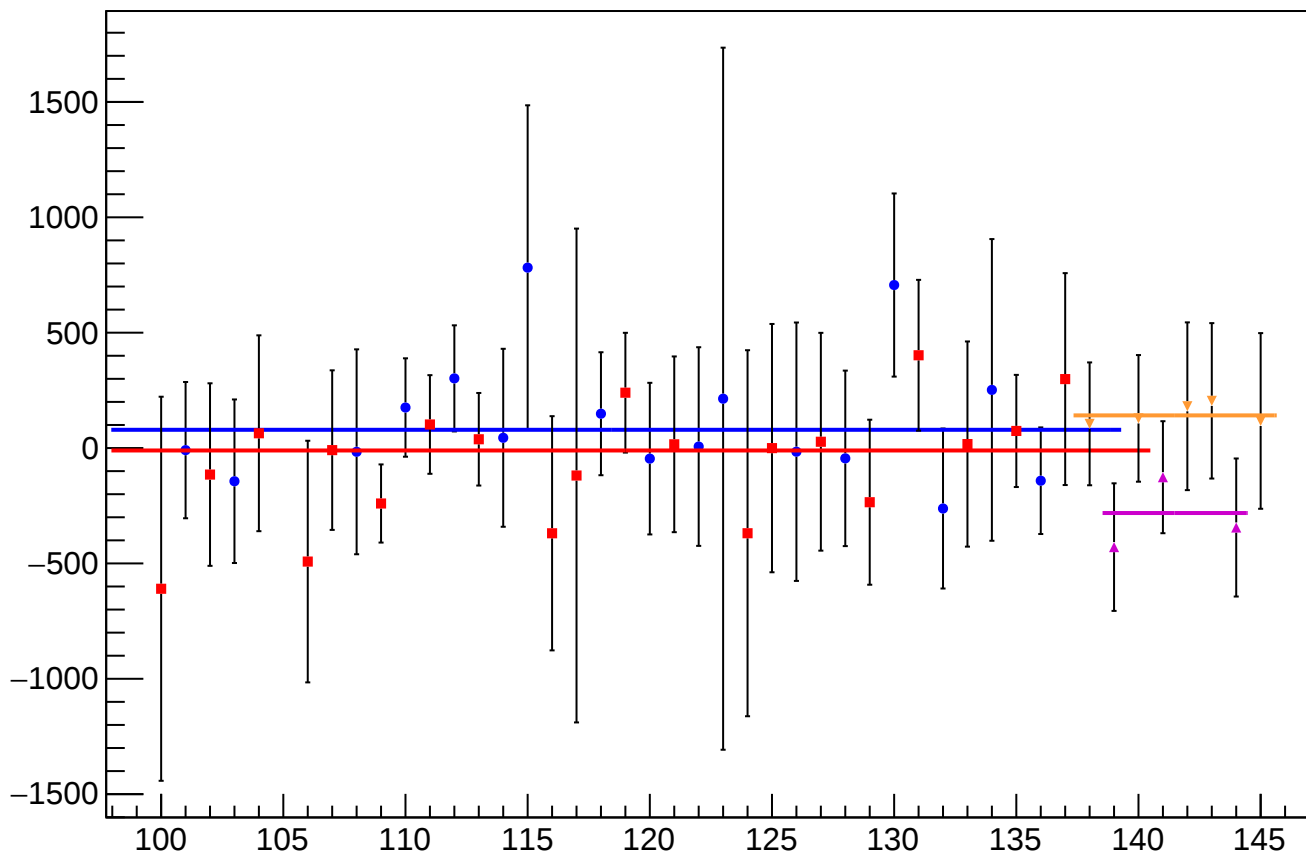
Right Out: 173.289+/-0.050 χ^2/NDF : 1548162.6/19

Left In: 230.668+/-0.107 χ^2/NDF :46267.1/2

207.294+/-0.049 χ^2/NDF : 1308307.1/21

183.467+/-0.045 χ^2/NDF : 1831419.5/22

asym_bcm_dg_us_mean vs Slug



Right In: 79.128+/-81.874 χ^2/NDF : 7.5/16

Left Out: 141.568+/-140.479 χ^2/NDF : 0.1/4

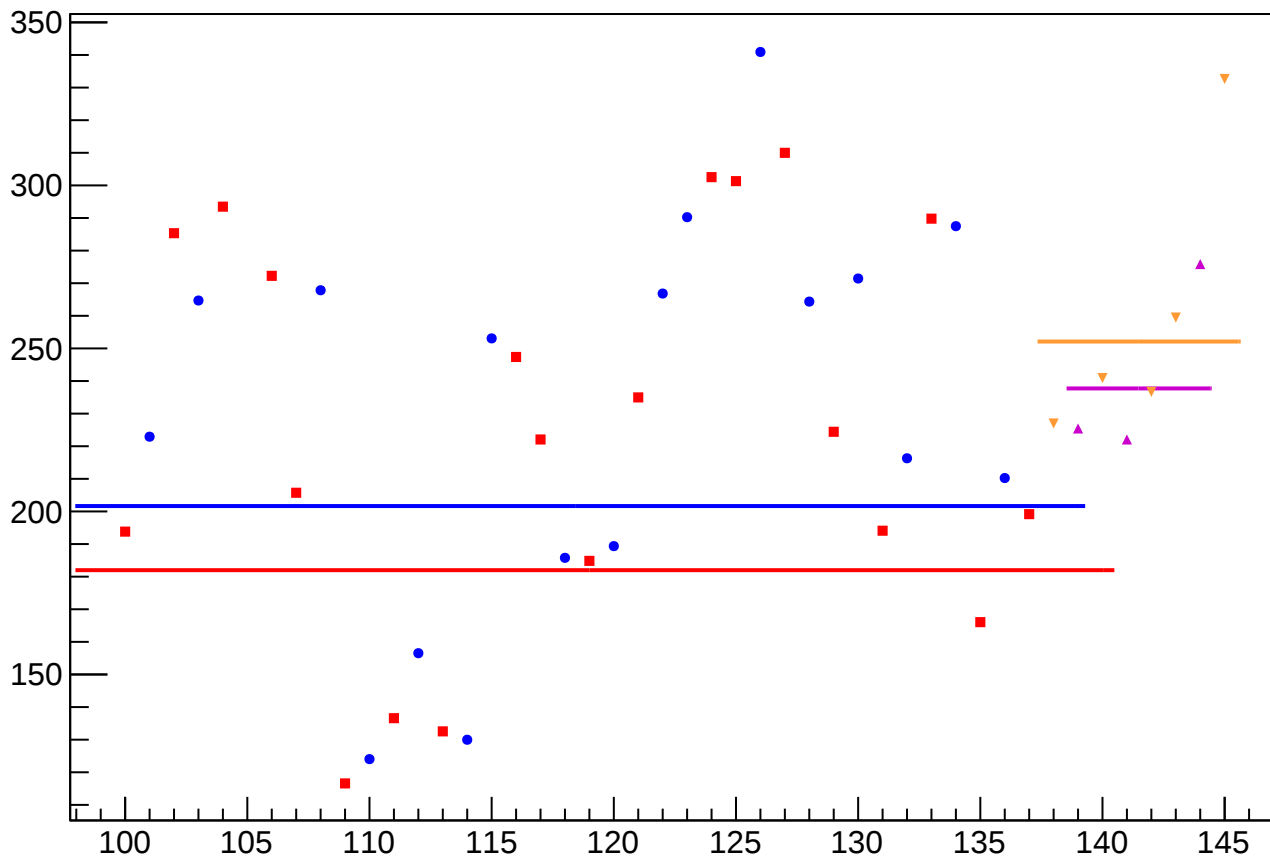
Right Out: -10.491+/-73.139 χ^2/NDF : 7.9/19

Left In: -281.575+/-155.737 χ^2/NDF : 0.7/2

94.960+/-70.737 χ^2/NDF : 7.7/21

-59.475+/-66.202 χ^2/NDF : 11.1/22

asym_bcm_dg_us_rms vs Slug



Right In: 201.654 $\pm$ 0.058 χ^2/NDF : 883179.7/16

Left Out: 252.116 $\pm$ 0.099 χ^2/NDF :115224.3/4

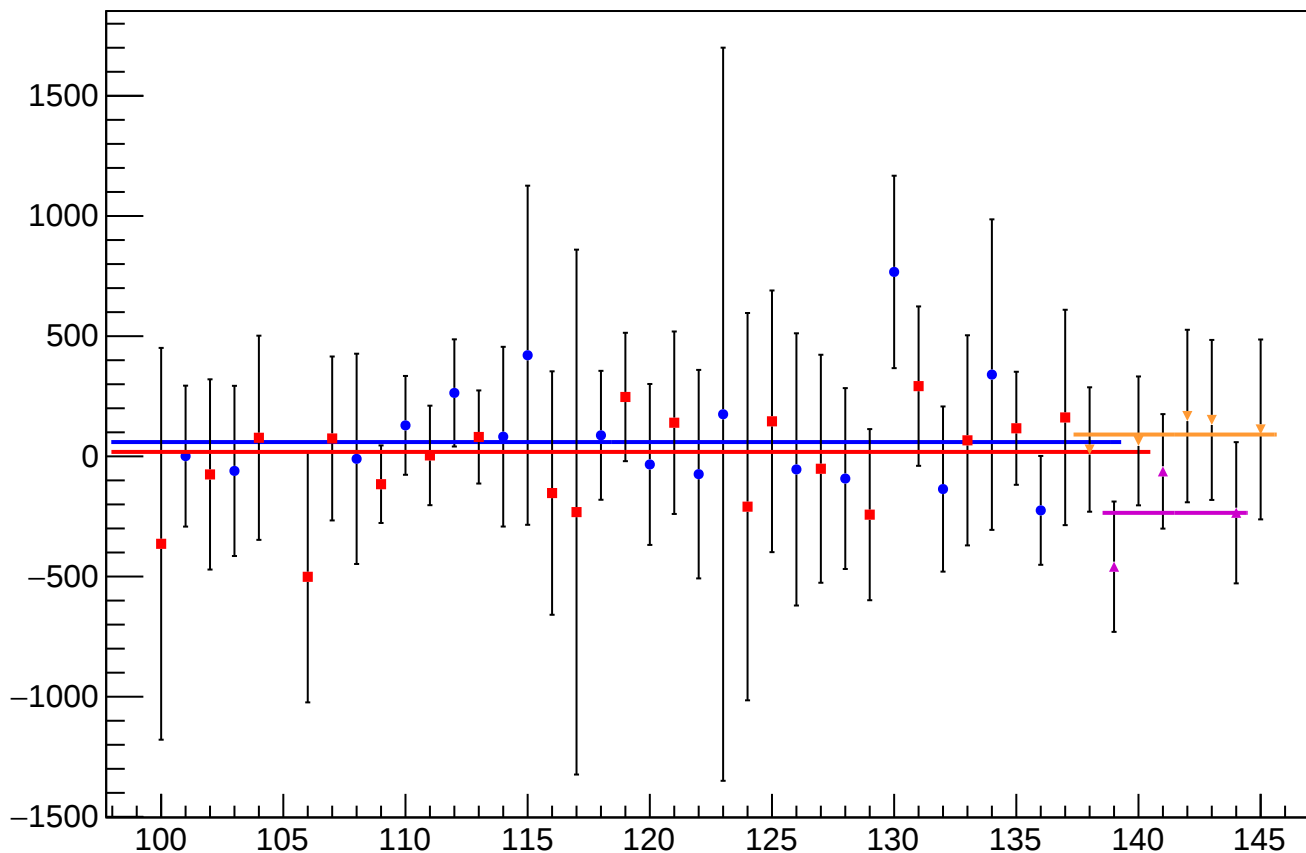
Right Out: 181.986 $\pm$ 0.052 χ^2/NDF : 1380269.0/19

Left In: 237.728 $\pm$ 0.110 χ^2/NDF :44784.1/2

214.449 $\pm$ 0.050 χ^2/NDF : 1191032.7/21

192.058 $\pm$ 0.047 χ^2/NDF : 1634976.1/22

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496 ± 80.808 χ^2/NDF : 7.0/16

Left Out: 90.786 ± 137.657 χ^2/NDF : 0.2/4

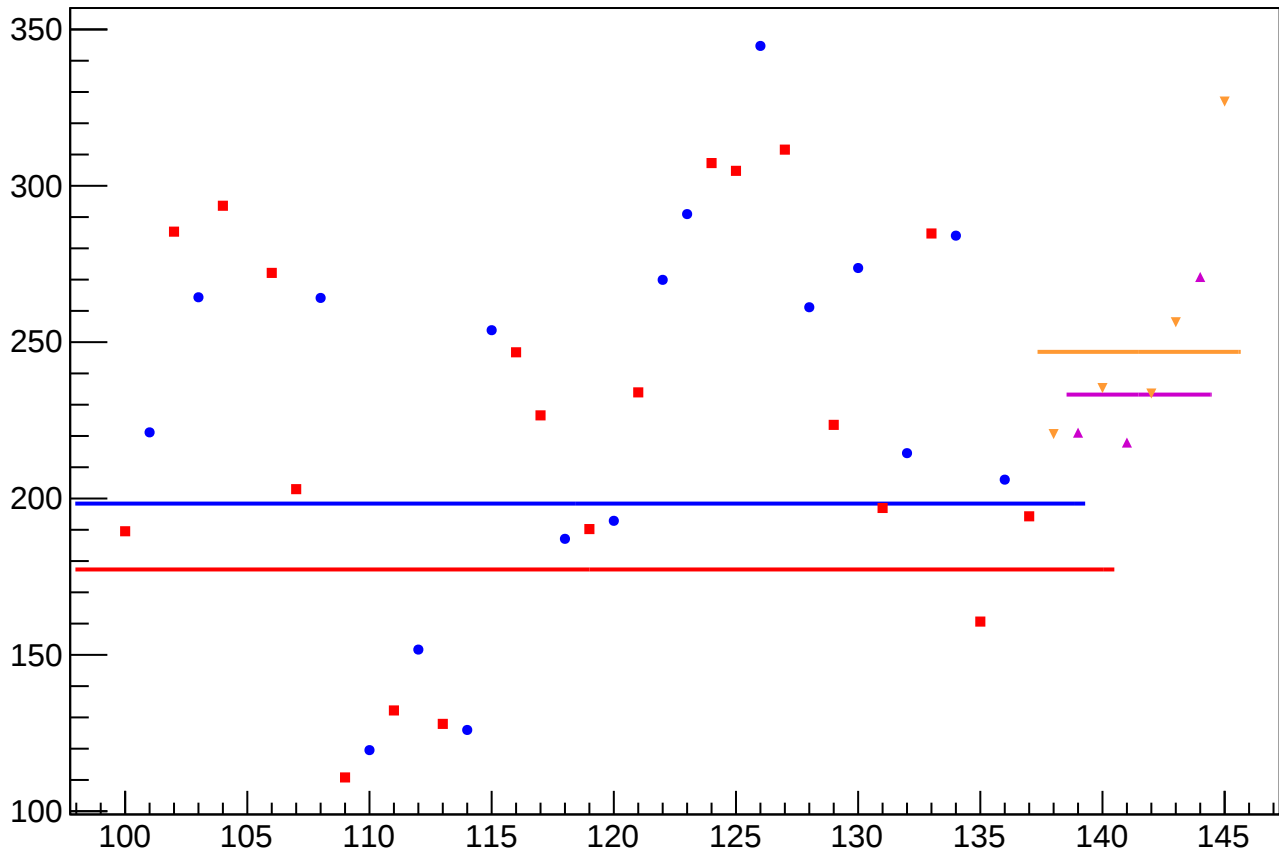
Right Out: 18.457 ± 71.711 χ^2/NDF : 4.8/19

Left In: -235.056 ± 152.831 χ^2/NDF : 1.2/2

67.515 ± 69.688 χ^2/NDF : 7.2/21

-27.287 ± 64.920 χ^2/NDF : 8.2/22

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378 ± 0.057 χ^2/NDF : 963672.6/16

Left Out: 246.900 ± 0.097 χ^2/NDF : 120242.2/4

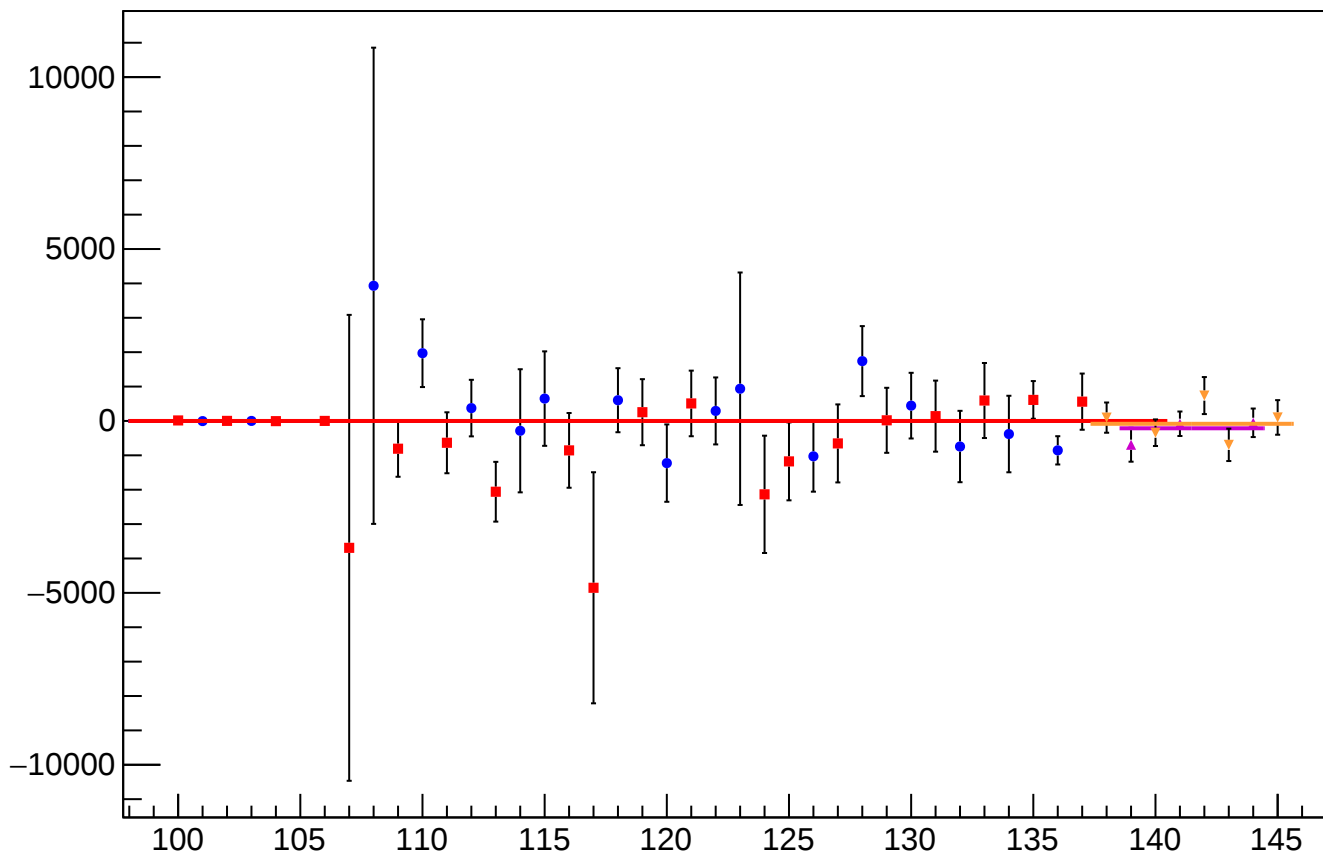
Right Out: 177.309 ± 0.051 χ^2/NDF : 1528855.2/19

Left In: 233.234 ± 0.108 χ^2/NDF : 45114.4/2

210.814 ± 0.049 χ^2/NDF : 1268719.5/21

187.400 ± 0.046 χ^2/NDF : 1793445.7/22

asym_cav4bQ_mean vs Slug



Right In: -1.529+/-2.251 χ^2/NDF : 17.0/16

Left Out: -83.232+/-205.071 χ^2/NDF : 4.8/4

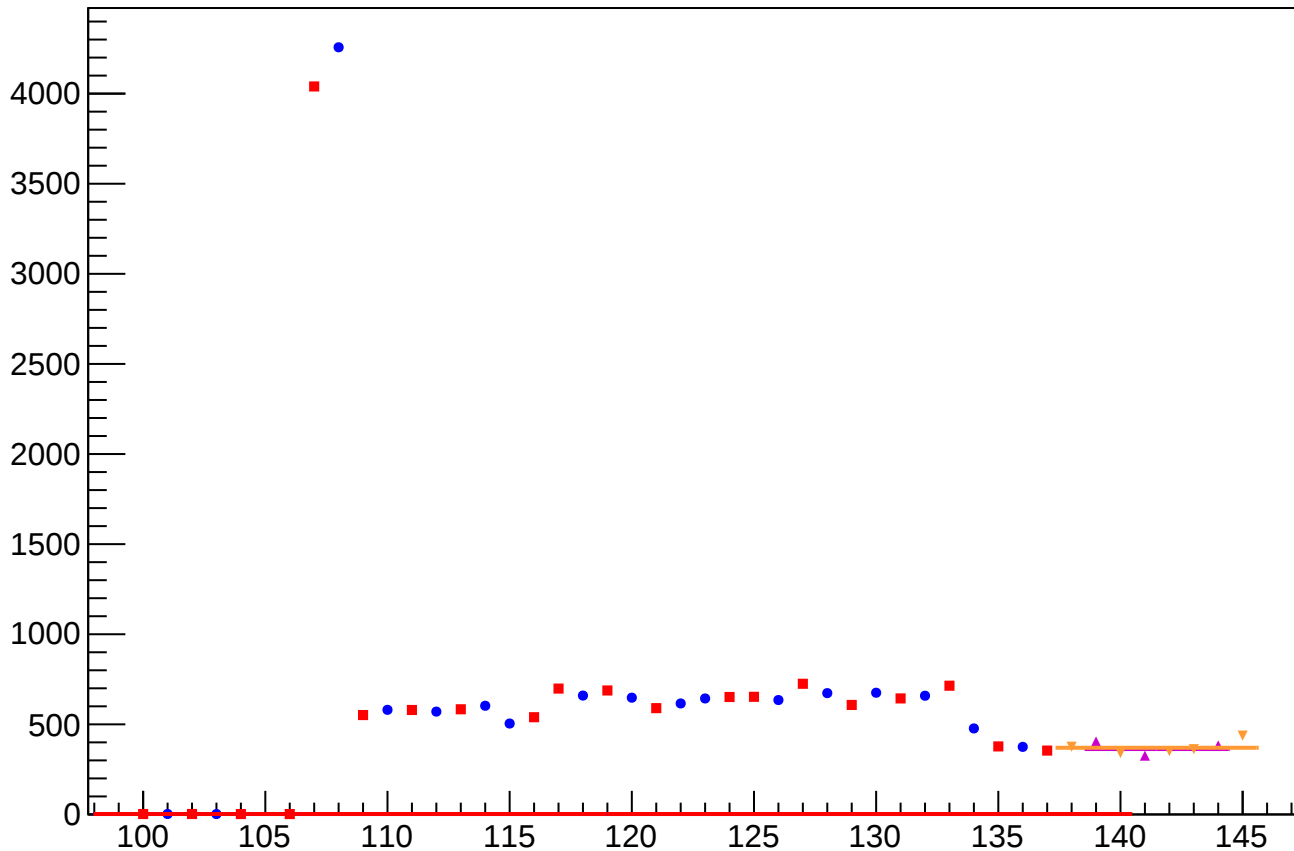
Right Out: -0.728+/-2.111 χ^2/NDF : 21.4/19

Left In: -213.576+/-236.978 χ^2/NDF : 1.2/2

-1.539+/-2.251 χ^2/NDF : 21.9/21

-0.745+/-2.111 χ^2/NDF : 23.4/22

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 370.140+/-0.145 χ^2/NDF : 50465.6/4

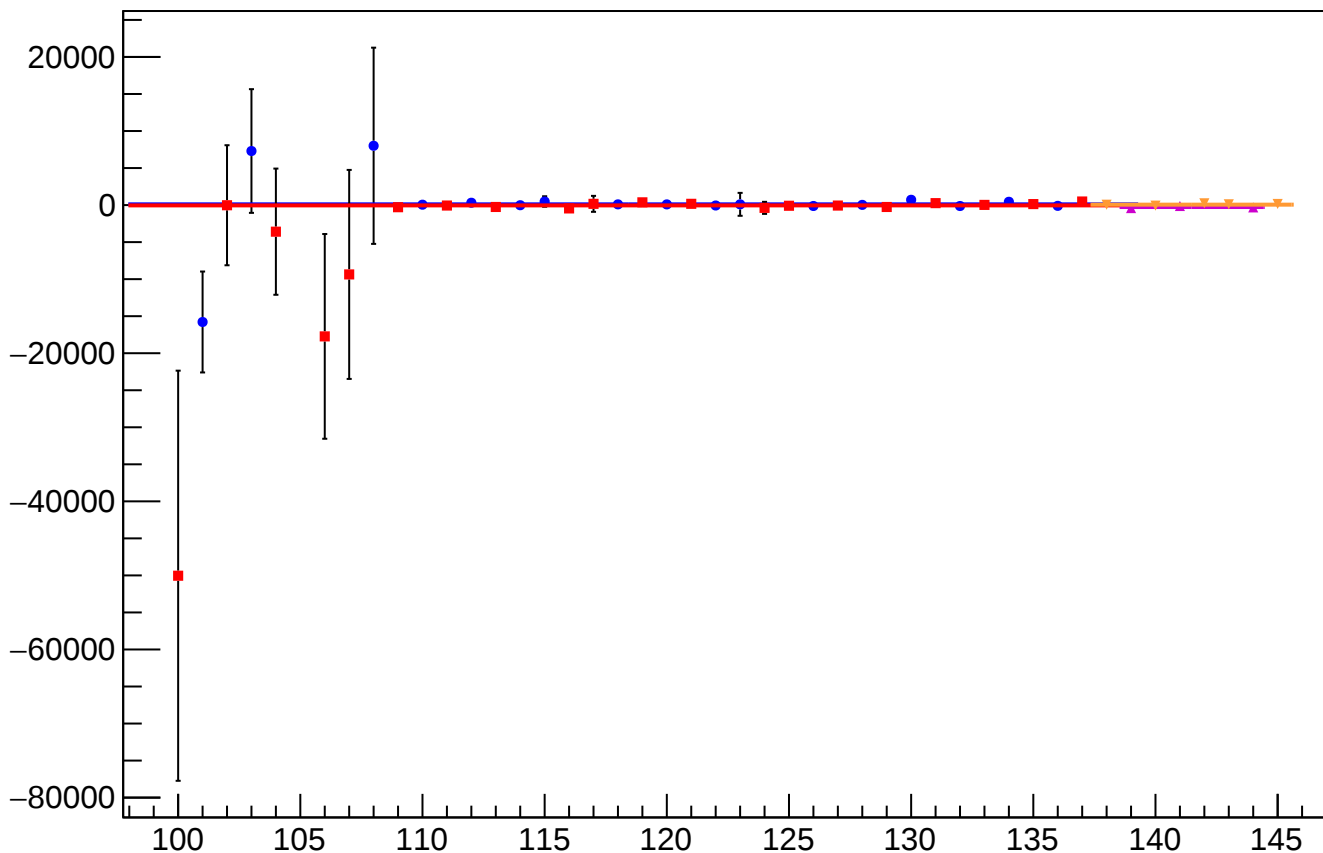
Right Out: 2.437+/-0.001 χ^2/NDF : 11233207.9/19

Left In: 363.005+/-0.168 χ^2/NDF : 40448.4/2

2.501+/-0.002 χ^2/NDF : 17326873.9/21

2.466+/-0.001 χ^2/NDF : 15903389.6/22

asym_cav4cQ_mean vs Slug



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: 57.882+/-142.589 χ^2/NDF : 0.5/4

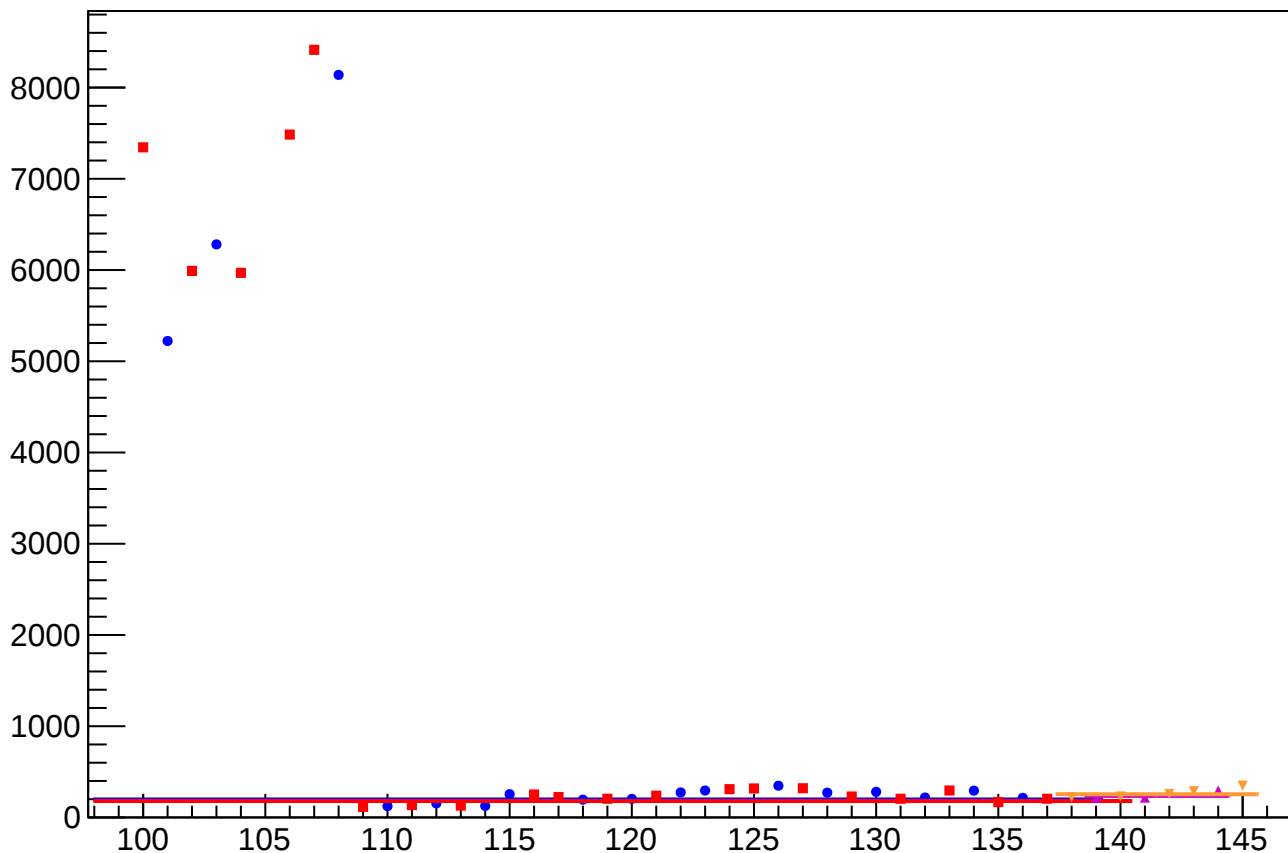
Right Out: -41.024+/-84.237 χ^2/NDF : 13.9/19

Left In: -261.303+/-155.888 χ^2/NDF : 0.6/2

86.872+/-76.625 χ^2/NDF : 12.5/21

-90.808+/-74.109 χ^2/NDF : 16.1/22

asym_cav4cQ_rms vs Slug



Right In: 197.086+/-0.064 χ^2/NDF : 3693614.0/16

Left Out: 254.409+/-0.101 χ^2/NDF :178015.7/4

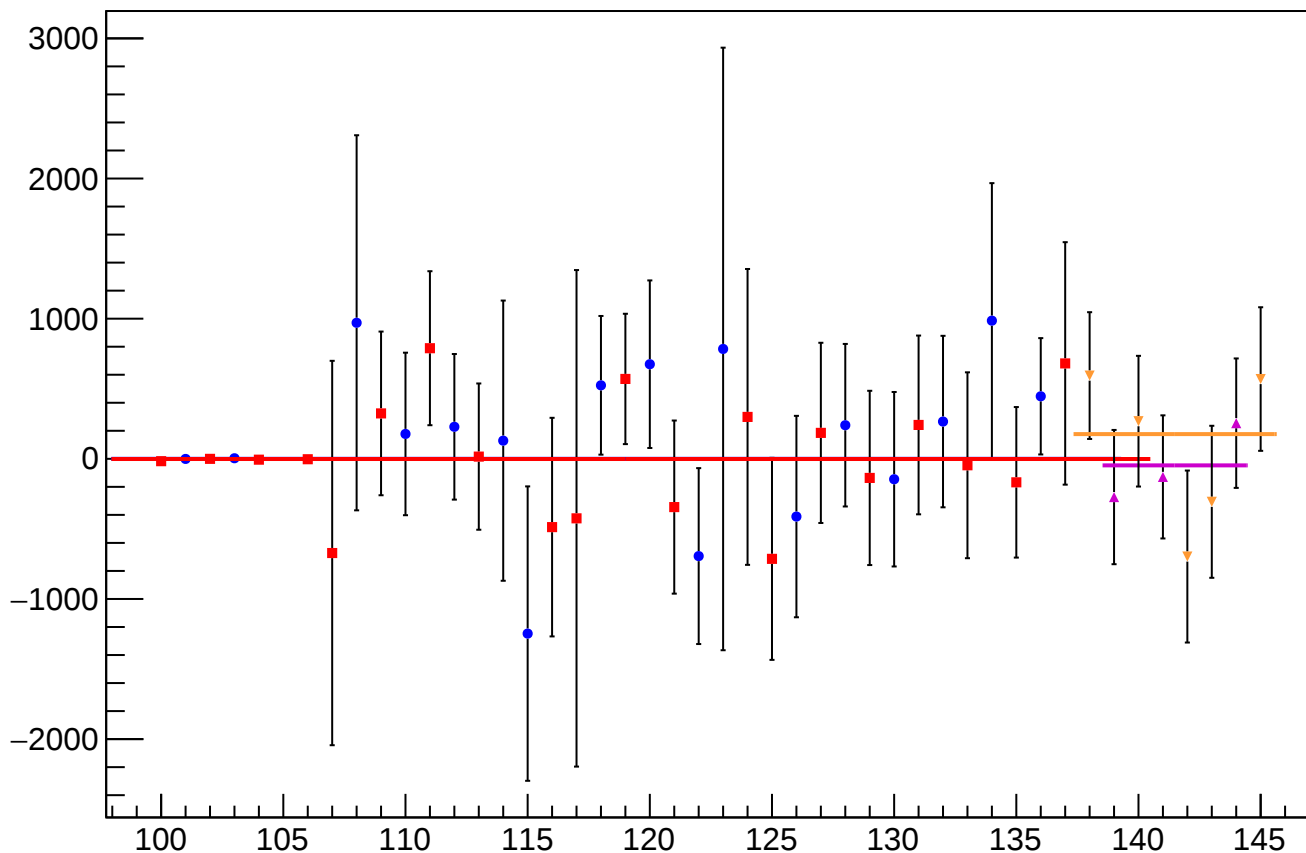
Right Out: 180.217+/-0.060 χ^2/NDF : 4324457.3/19

Left In: 236.453+/-0.110 χ^2/NDF :89265.9/2

213.640+/-0.054 χ^2/NDF : 4101518.8/21

192.927+/-0.052 χ^2/NDF : 4615175.0/22

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: 176.380 ± 227.311 χ^2/NDF : 4.3/4

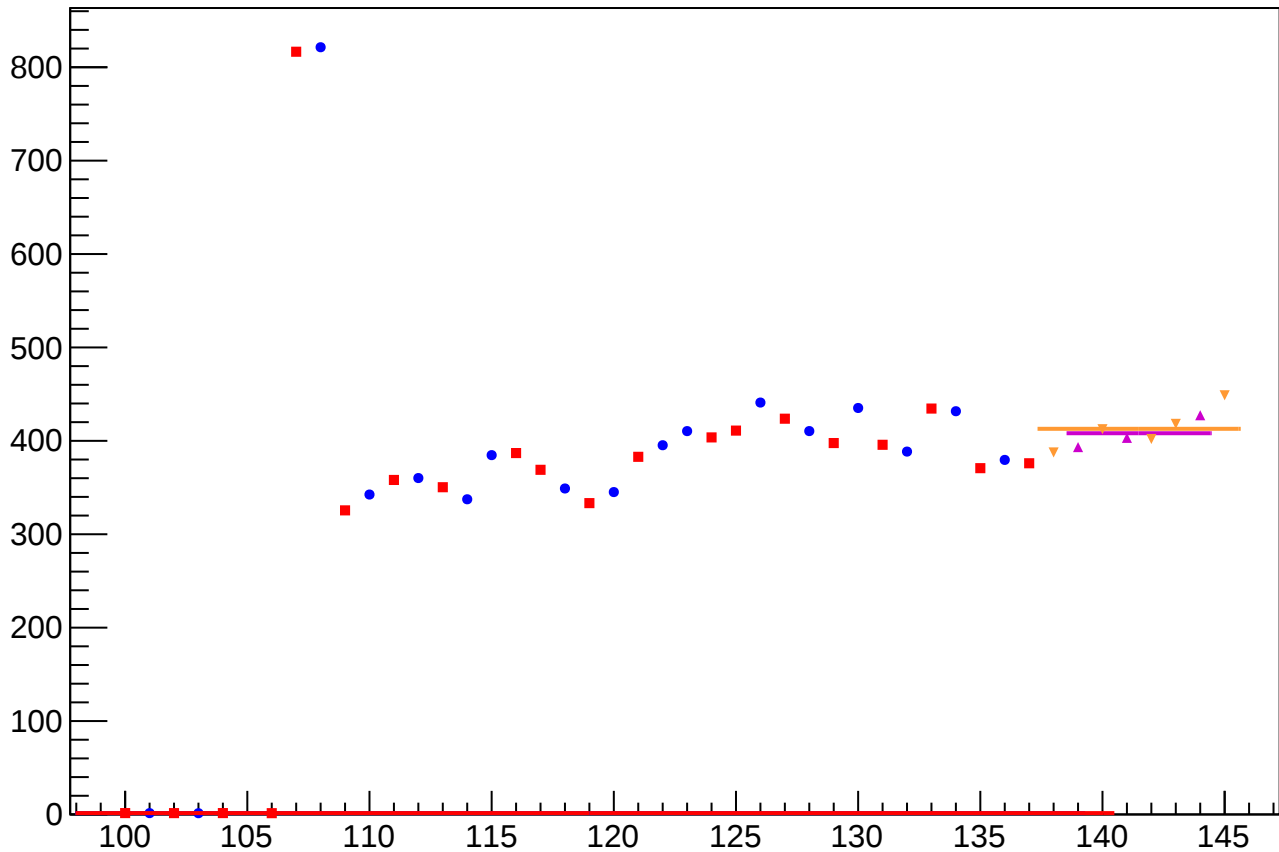
Right Out: -1.324 ± 1.623 χ^2/NDF : 9.7/19

Left In: -46.756 ± 265.086 χ^2/NDF : 0.7/2

-0.128 ± 1.737 χ^2/NDF : 14.6/21

-1.325 ± 1.623 χ^2/NDF : 10.4/22

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 412.892+/-0.161 χ^2/NDF :16900.9/4

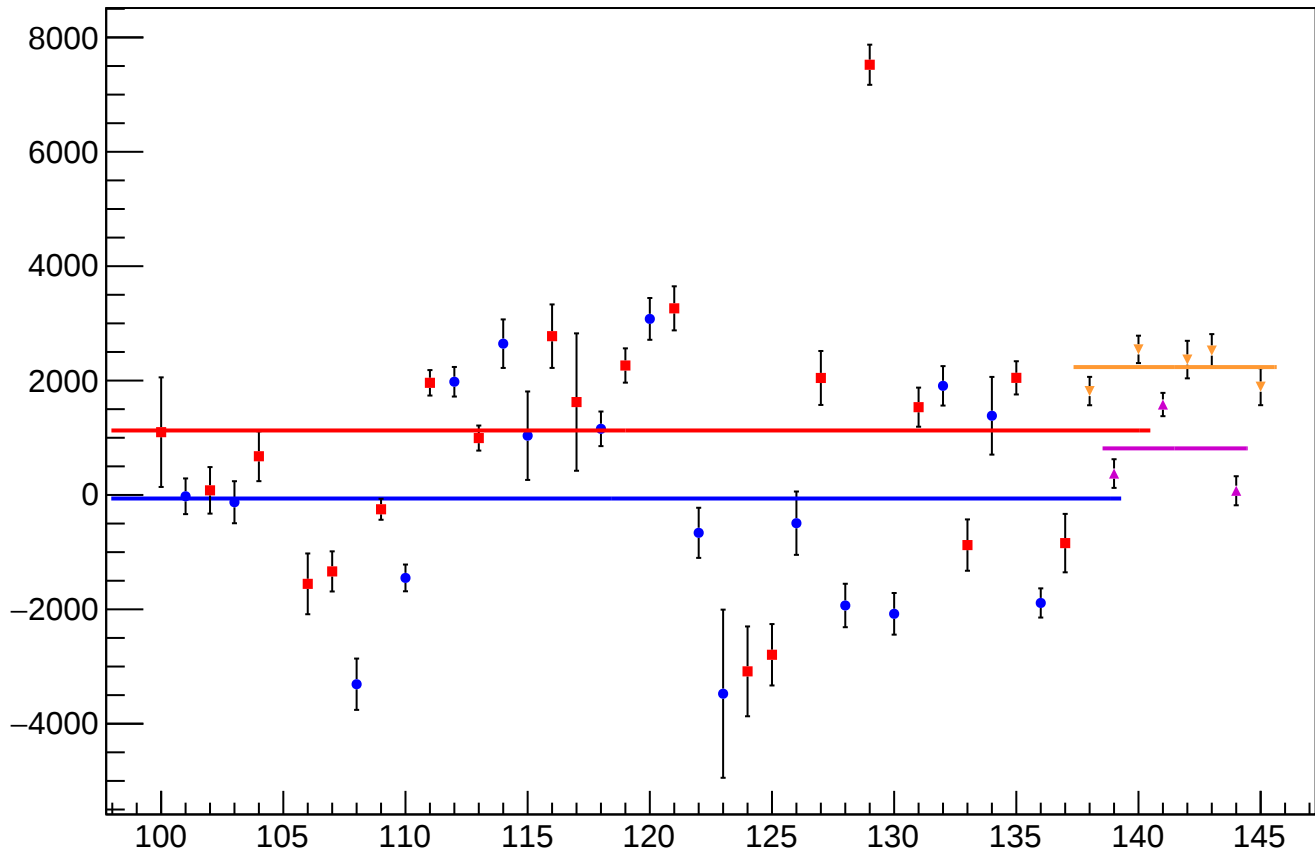
Right Out: 1.451+/-0.001 χ^2/NDF : 10966832.6/19

Left In: 408.155+/-0.187 χ^2/NDF :5649.4/2

1.477+/-0.001 χ^2/NDF : 17526893.8/21

1.467+/-0.001 χ^2/NDF : 15680040.7/22

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 $\chi^2/\text{NDF}: 433.9/16$

Left Out: 2235.932 ± 124.442 $\chi^2/\text{NDF}: 6.8/4$

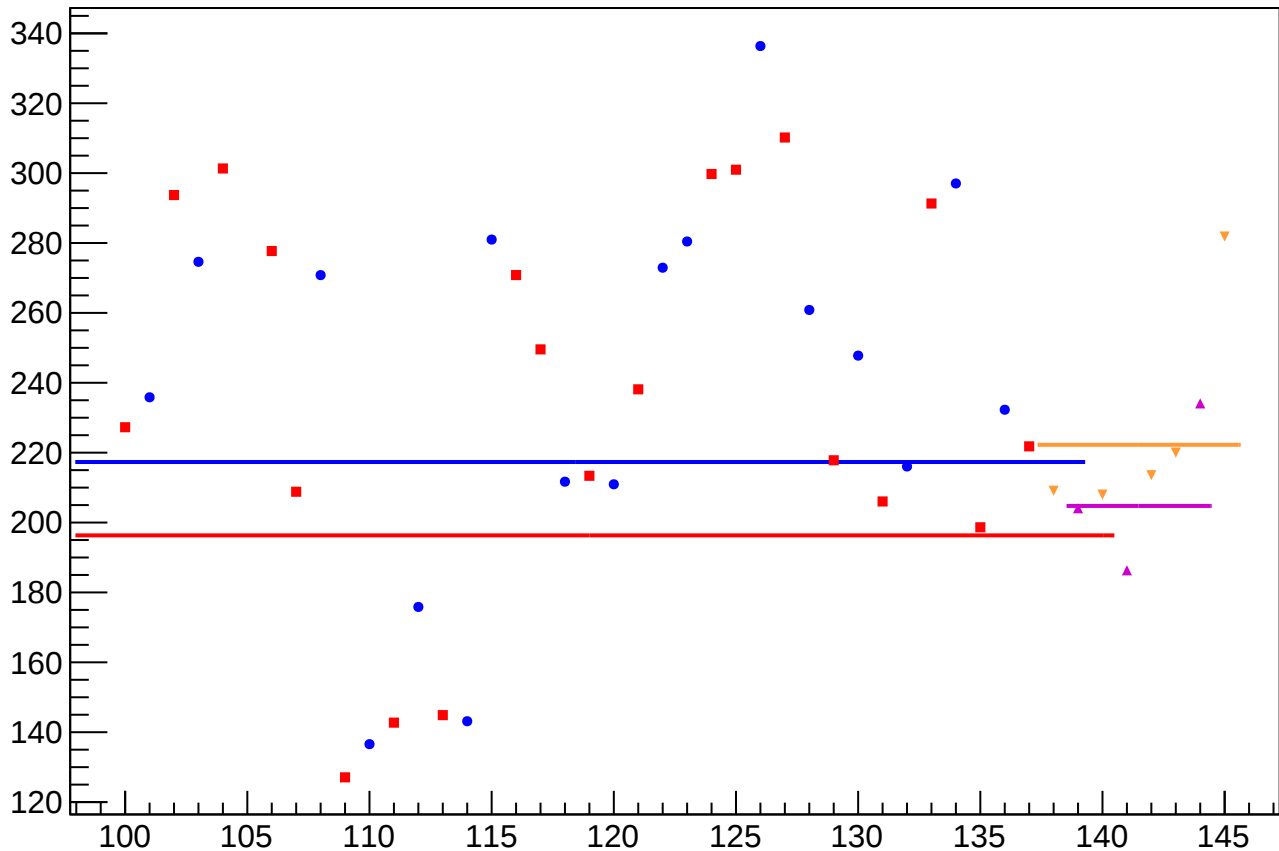
Right Out: 1127.552 ± 78.203 $\chi^2/\text{NDF}: 671.4/19$

Left In: 814.305 ± 134.212 $\chi^2/\text{NDF}: 25.8/2$

697.240 ± 71.535 $\chi^2/\text{NDF}: 669.1/21$

1048.155 ± 67.569 $\chi^2/\text{NDF}: 701.2/22$

asym_bcm0l02_rms vs Slug



Right In: 217.330+/-0.062 χ^2/NDF : 652722.5/16

Left Out: 222.252+/-0.088 χ^2/NDF : 82065.3/4

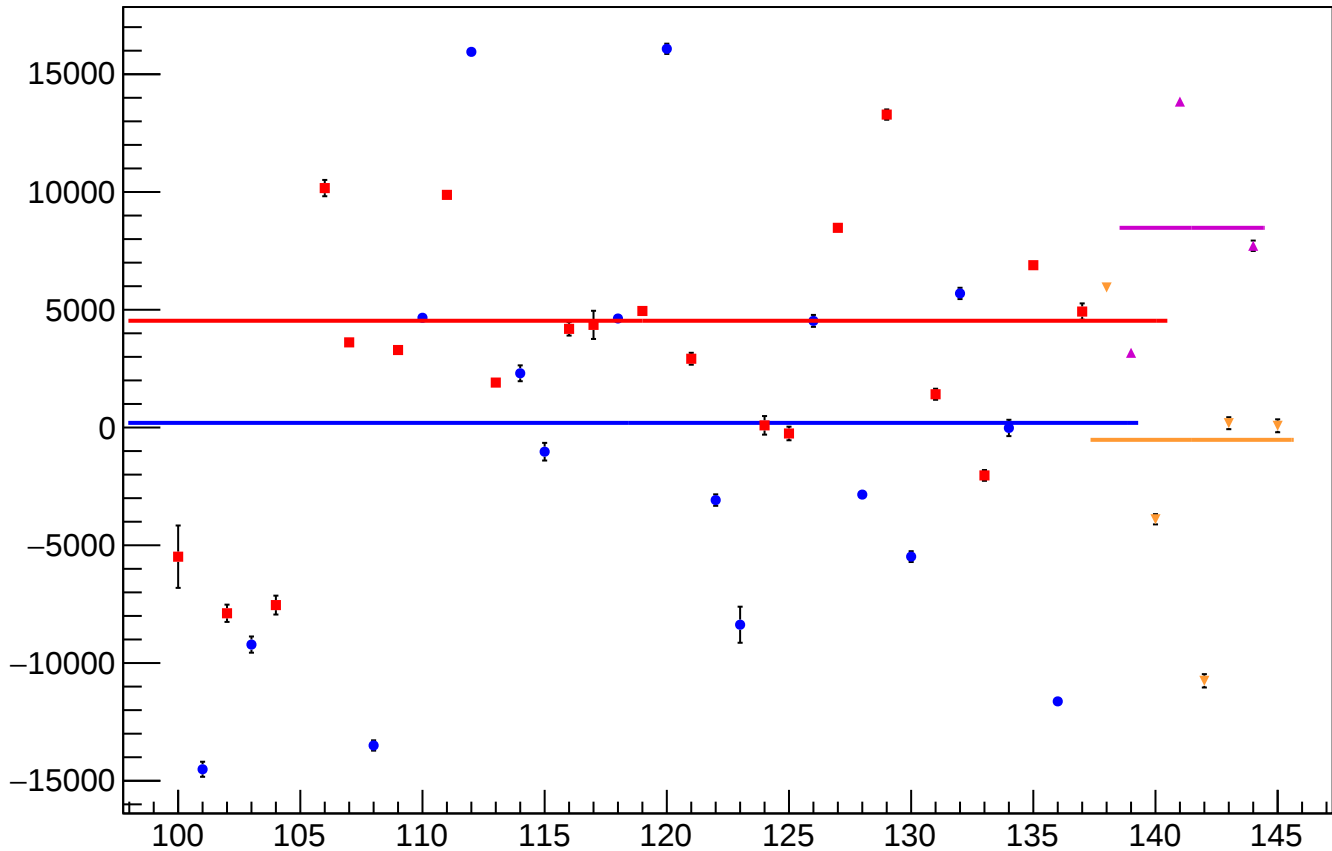
218.956+/-0.051 χ^2/NDF : 736882.8/21

Right Out: 196.332+/-0.055 χ^2/NDF : 1194678.0/19

198.467+/-0.048 χ^2/NDF : 1243615.4/22

Left In: 204.756+/-0.095 χ^2/NDF : 43055.7/2

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 ± 54.799 $\chi^2/\text{NDF}: 30658.3/16$

Left Out: -523.086 ± 105.330 $\chi^2/\text{NDF}: 2720.8/4$

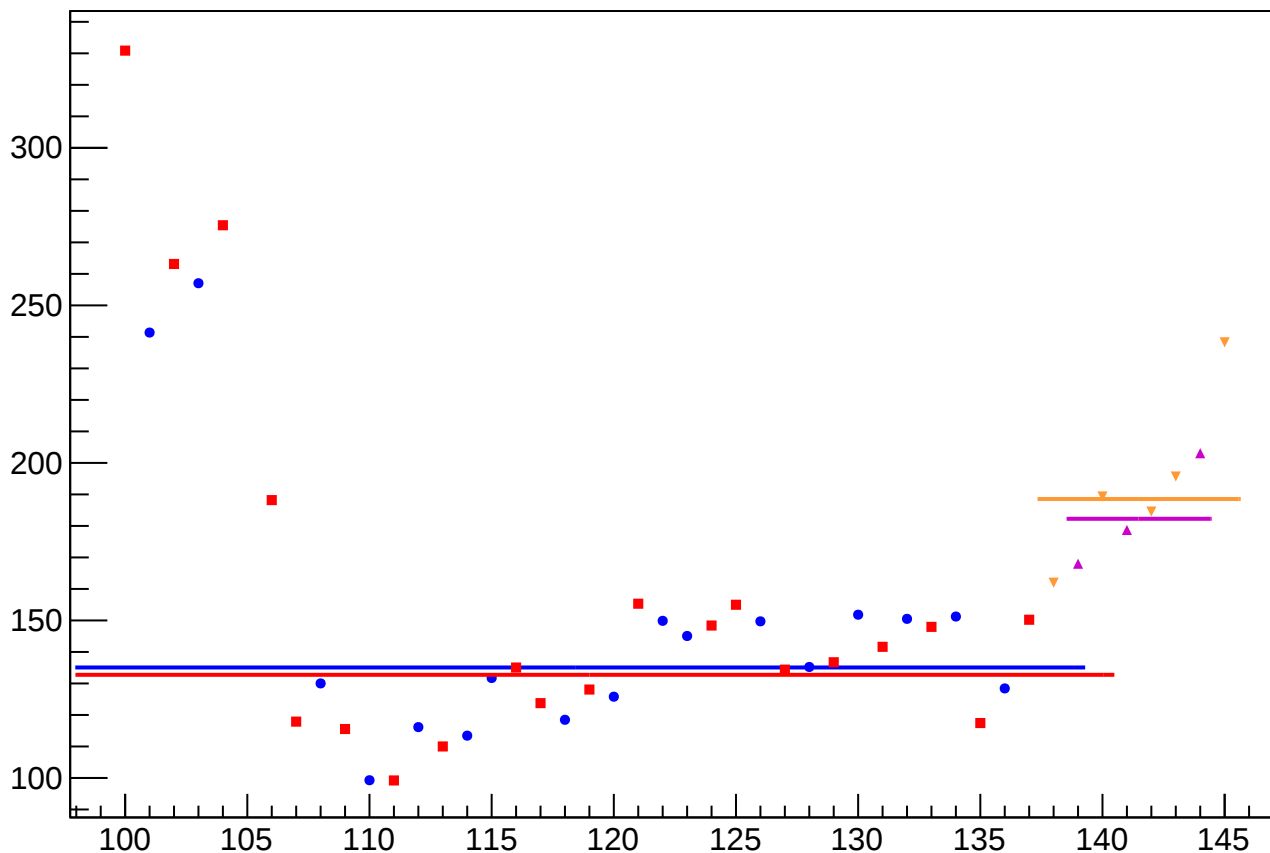
Right Out: 4532.856 ± 52.261 $\chi^2/\text{NDF}: 7477.3/19$

Left In: 8479.074 ± 119.328 $\chi^2/\text{NDF}: 1425.3/2$

43.620 ± 48.613 $\chi^2/\text{NDF}: 33415.9/21$

5167.961 ± 47.871 $\chi^2/\text{NDF}: 9820.3/22$

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 ± 0.039 χ^2/NDF : 658703.5/16

Left Out: 188.548 ± 0.074 χ^2/NDF : 106995.0/4

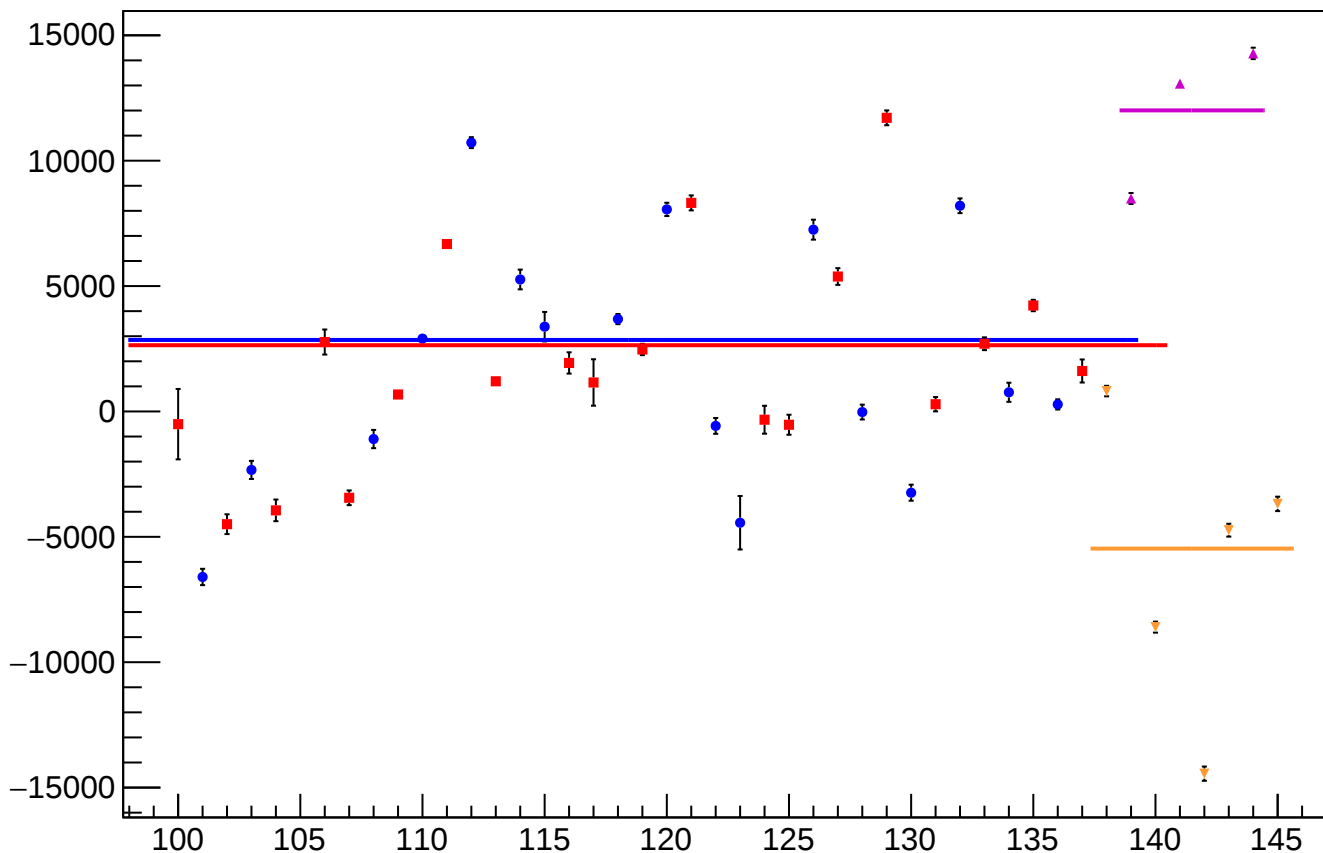
Right Out: 132.747 ± 0.037 χ^2/NDF : 831647.2/19

Left In: 182.265 ± 0.084 χ^2/NDF : 28018.7/2

146.463 ± 0.034 χ^2/NDF : 1171411.1/21

140.717 ± 0.034 χ^2/NDF : 1148645.3/22

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437 $\pm$ 70.753 χ^2 /NDF: 4178.1/16

Left Out: -5469.215 $\pm$ 109.726 χ^2 /NDF:2144.5/4

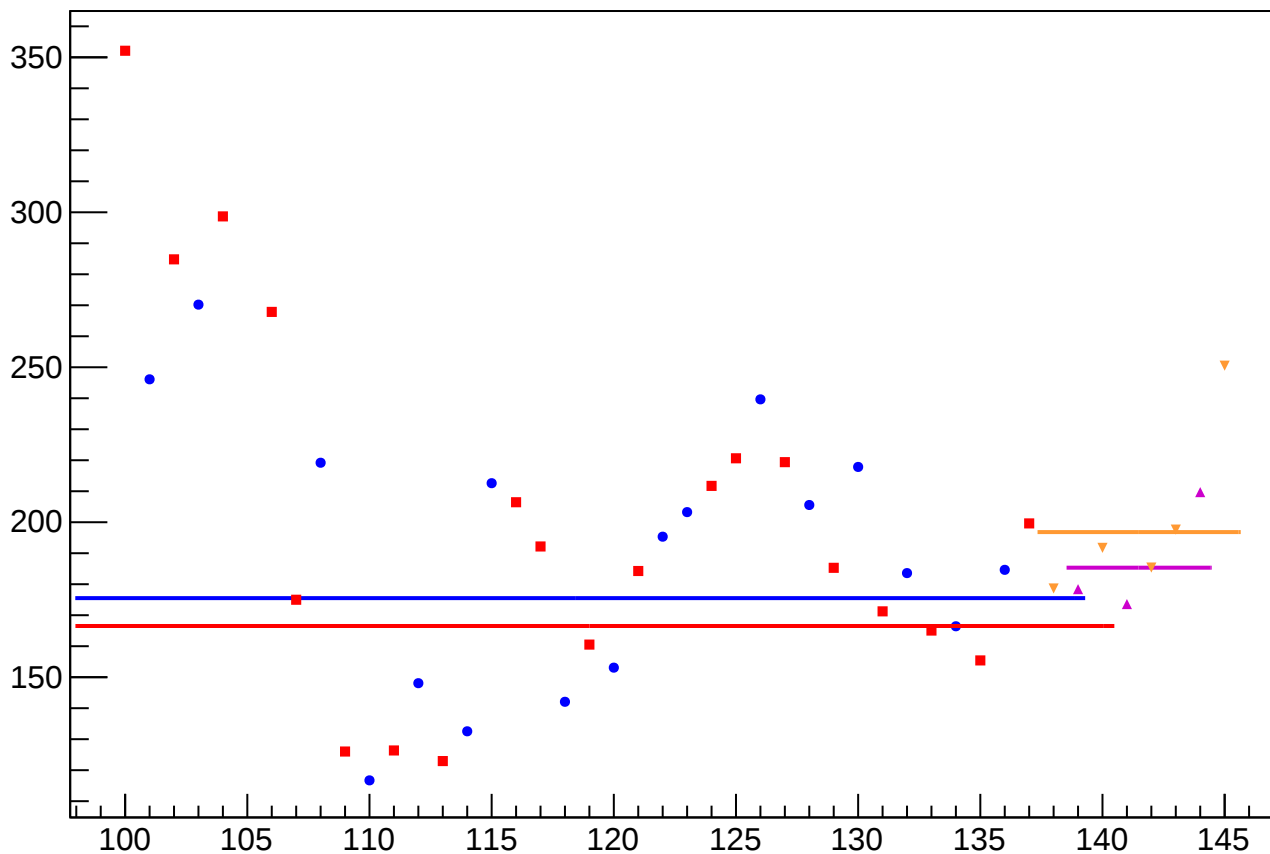
Right Out: 2641.642 $\pm$ 65.566 χ^2 /NDF: 3178.3/19

Left In: 12006.300 $\pm$ 121.239 χ^2 /NDF:390.0/2

407.823 $\pm$ 59.463 χ^2 /NDF: 10384.3/21

4760.688 $\pm$ 57.672 χ^2 /NDF: 8184.4/22

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 ± 0.050 χ^2/NDF : 689642.3/16

Left Out: 196.822 ± 0.078 χ^2/NDF : 89099.5/4

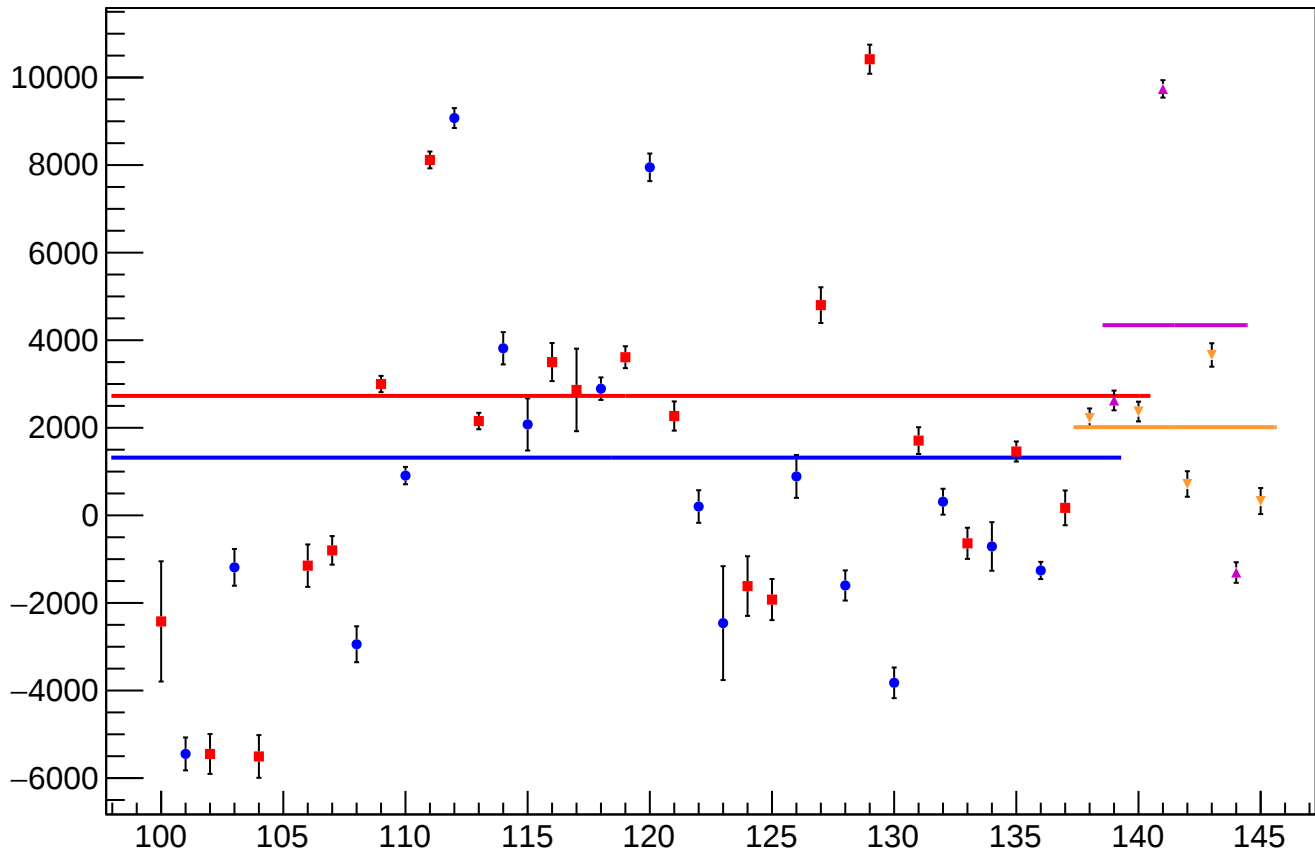
Right Out: 166.522 ± 0.046 χ^2/NDF : 931079.9/19

Left In: 185.335 ± 0.086 χ^2/NDF : 32624.5/2

181.772 ± 0.042 χ^2/NDF : 832013.6/21

170.779 ± 0.041 χ^2/NDF : 1000961.8/22

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009 ± 77.146 $\chi^2/\text{NDF}: 2667.0/16$

Left Out: 2014.564 ± 113.790 $\chi^2/\text{NDF}: 93.2/4$

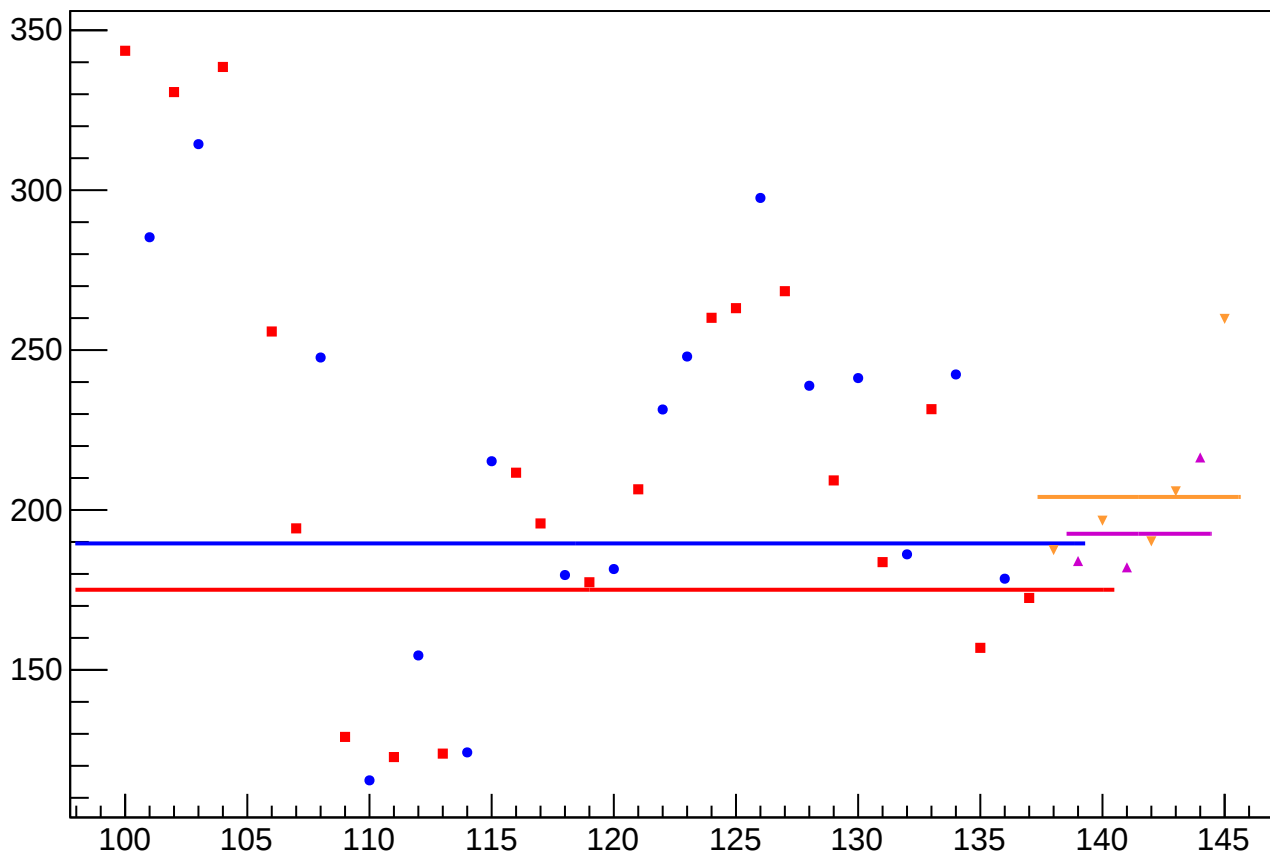
Right Out: 2728.550 ± 69.837 $\chi^2/\text{NDF}: 2495.9/19$

Left In: 4343.484 ± 125.923 $\chi^2/\text{NDF}: 1371.6/2$

1538.037 ± 63.854 $\chi^2/\text{NDF}: 2785.8/21$

3108.426 ± 61.073 $\chi^2/\text{NDF}: 3993.3/22$

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 ± 0.055 χ^2/NDF : 980744.6/16

Left Out: 204.080 ± 0.080 χ^2/NDF : 88061.7/4

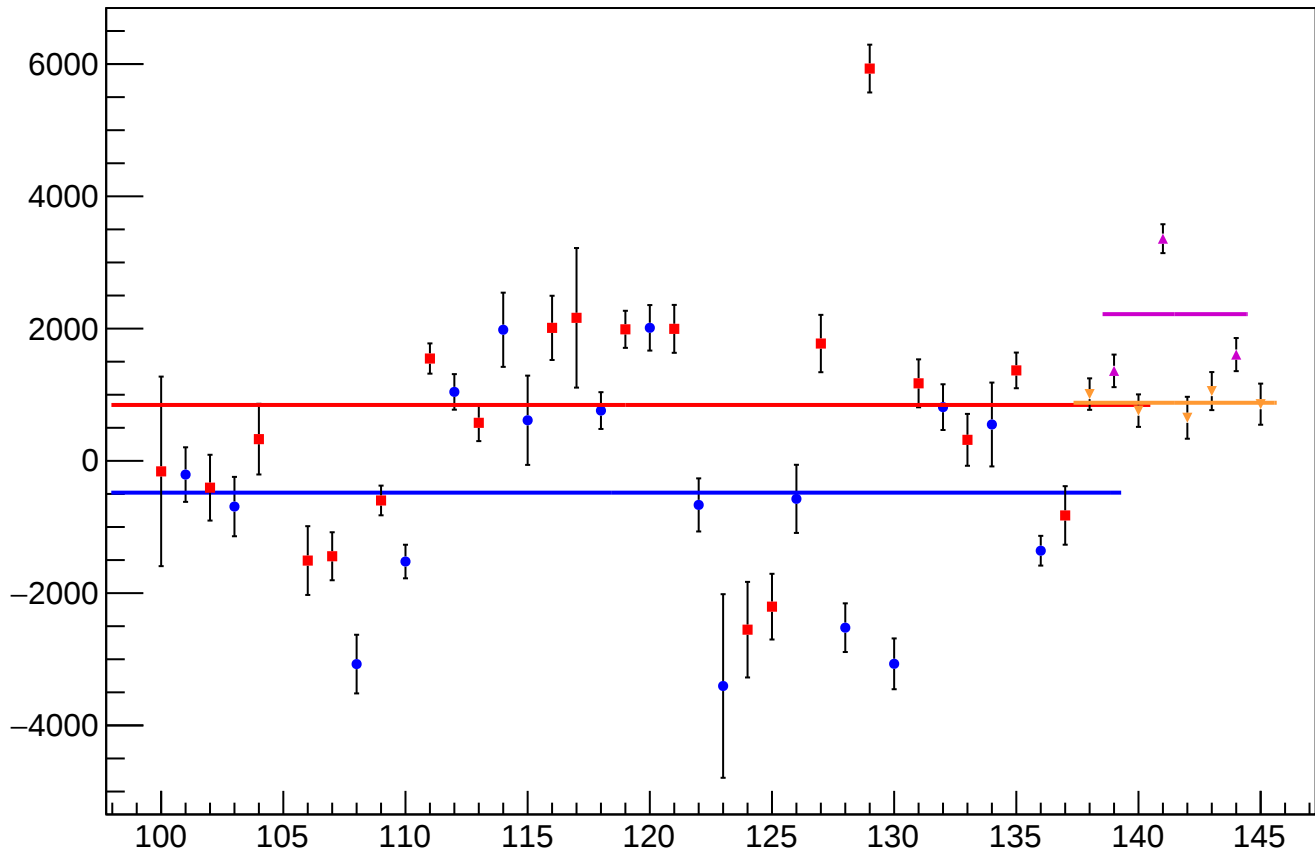
Right Out: 175.058 ± 0.049 χ^2/NDF : 1298079.7/19

Left In: 192.562 ± 0.089 χ^2/NDF : 29059.4/2

194.122 ± 0.045 χ^2/NDF : 1091162.9/21

179.176 ± 0.043 χ^2/NDF : 1356693.8/22

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 878.528 ± 122.546 χ^2/NDF : 1.4/4

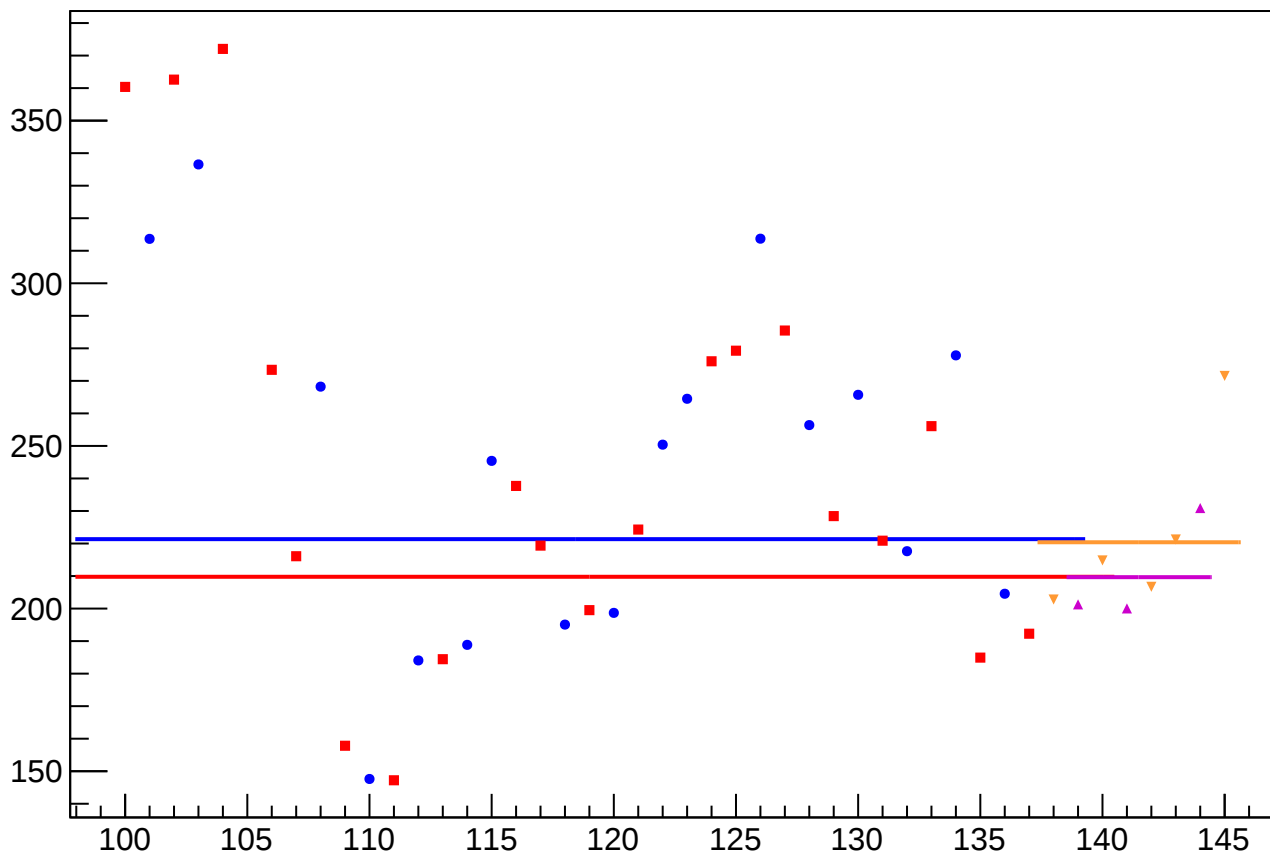
Right Out: 845.444 ± 81.995 χ^2/NDF : 436.9/19

Left In: 2218.625 ± 136.845 χ^2/NDF : 45.4/2

-13.746 ± 71.821 χ^2/NDF : 372.9/21

1208.199 ± 70.335 χ^2/NDF : 556.3/22

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 220.386 $\pm$ 0.087 χ^2 /NDF: 69801.2/4

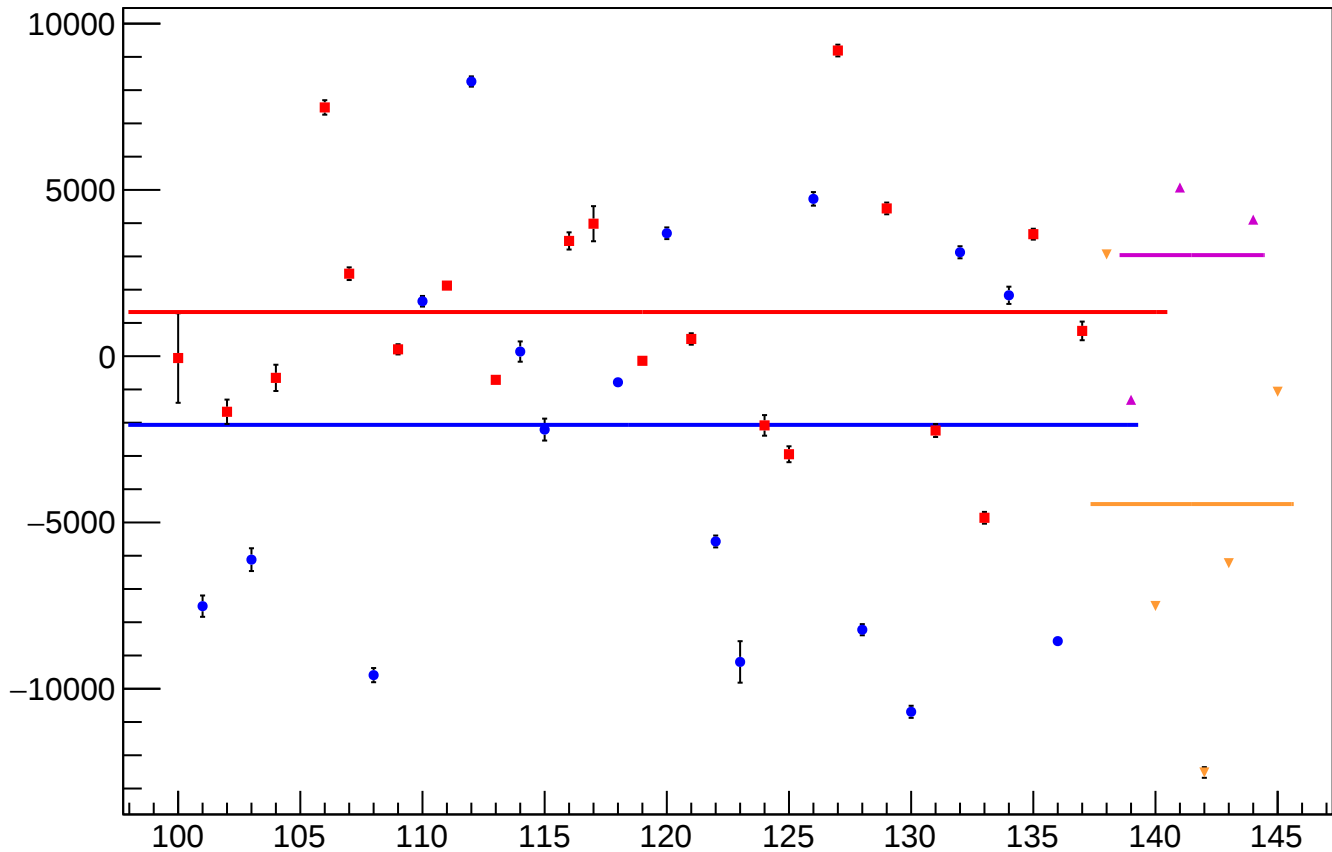
Right Out: 209.775 $\pm$ 0.058 χ^2 /NDF: 884083.7/19

Left In: 209.656 $\pm$ 0.097 χ^2 /NDF: 20582.7/2

221.014 $\pm$ 0.051 χ^2 /NDF: 715569.2/21

209.743 $\pm$ 0.050 χ^2 /NDF: 904667.5/22

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 χ^2/NDF : 16533.3/16

Left Out: -4446.304 ± 61.070 χ^2/NDF : 7225.2/4

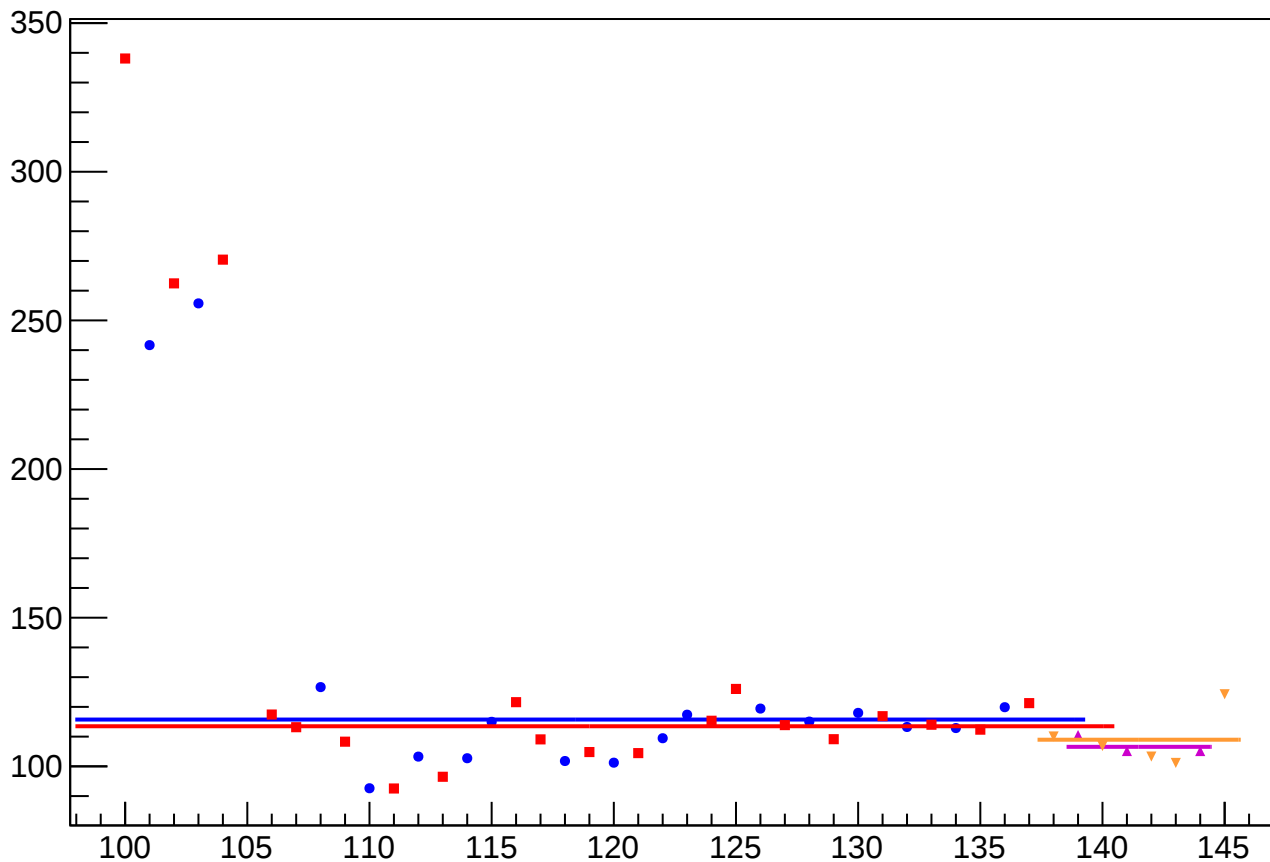
Right Out: 1327.819 ± 44.838 χ^2/NDF : 5919.9/19

Left In: 3039.308 ± 70.162 χ^2/NDF : 1402.6/2

-2958.494 ± 37.406 χ^2/NDF : 24708.3/21

1824.111 ± 37.782 χ^2/NDF : 7744.9/22

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 ± 0.033 χ^2/NDF : 744017.7/16

Left Out: 108.958 ± 0.043 χ^2/NDF : 32745.3/4

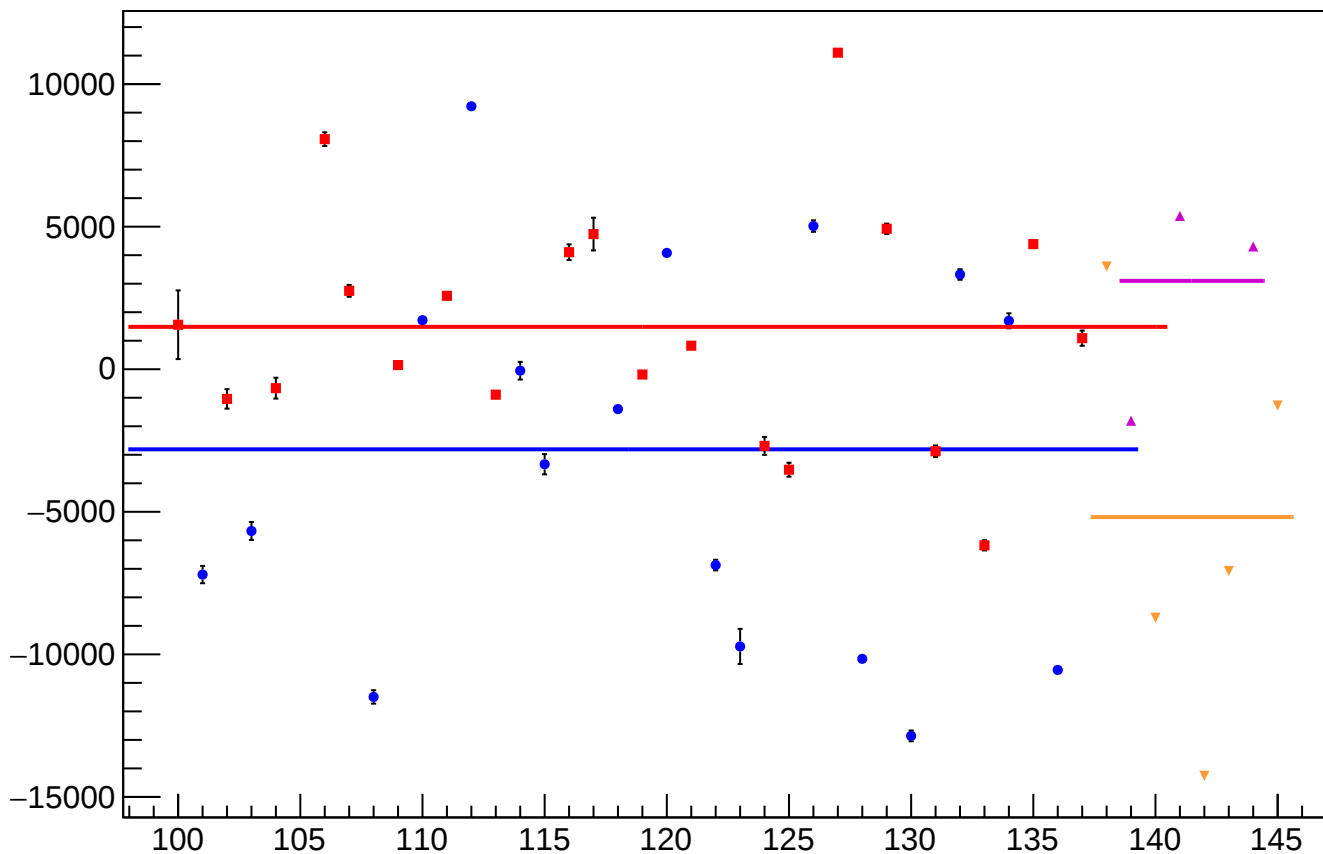
Right Out: 113.487 ± 0.032 χ^2/NDF : 796781.7/19

Left In: 106.564 ± 0.050 χ^2/NDF : 2278.6/2

113.196 ± 0.026 χ^2/NDF : 792176.0/21

111.479 ± 0.027 χ^2/NDF : 812886.3/22

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101+/-48.284 χ^2/NDF : 21263.1/16

Left Out: -5185.163+/-66.085 χ^2/NDF : 8057.1/4

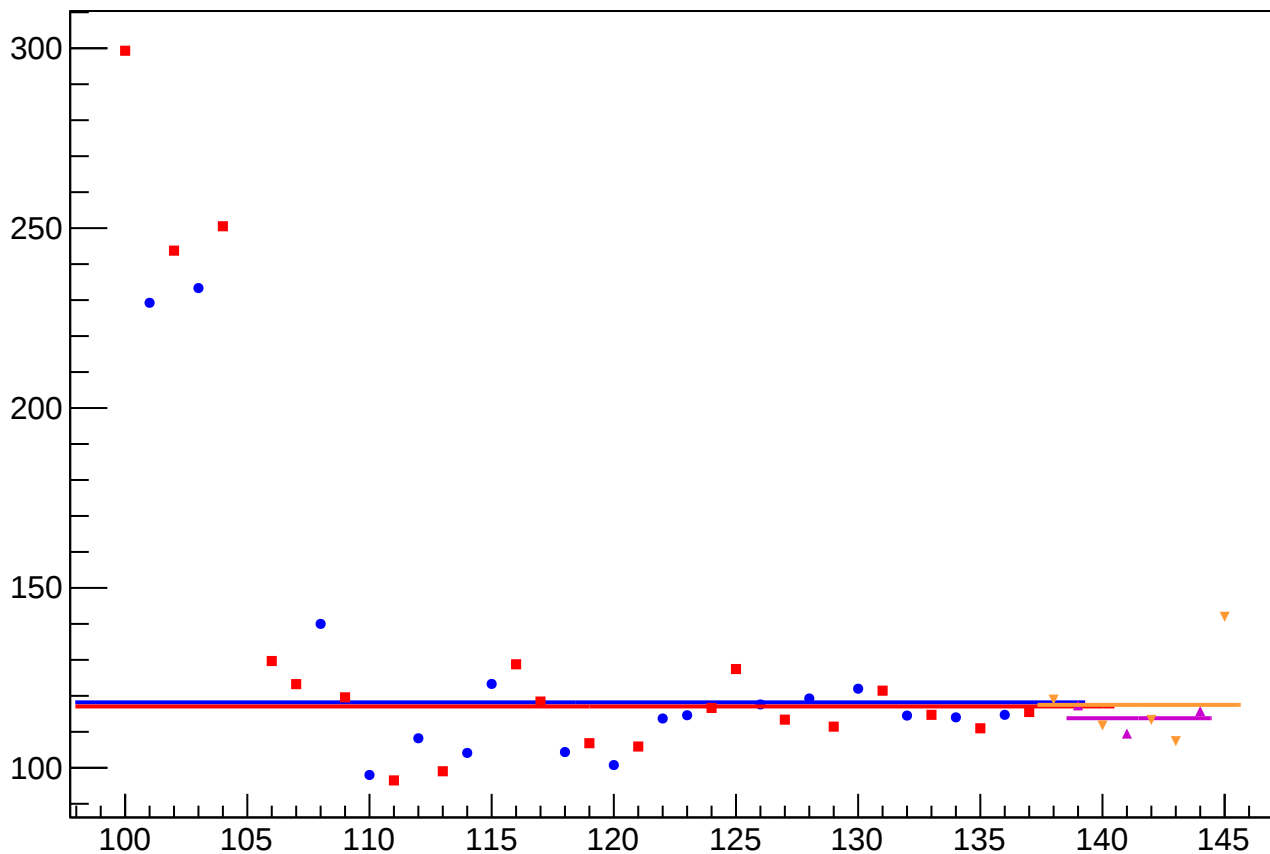
Right Out: 1486.369+/-46.243 χ^2/NDF : 8037.1/19

Left In: 3099.730+/-75.049 χ^2/NDF : 1576.8/2

-3636.066+/-38.987 χ^2/NDF : 30163.0/21

1930.348+/-39.370 χ^2/NDF : 9948.9/22

asym_bpm2i01WS_rms vs Slug



Right In: 118.188 $\pm$ 0.034 χ^2 /NDF: 636252.0/16

Left Out: 117.498 $\pm$ 0.047 χ^2 /NDF: 59778.0/4

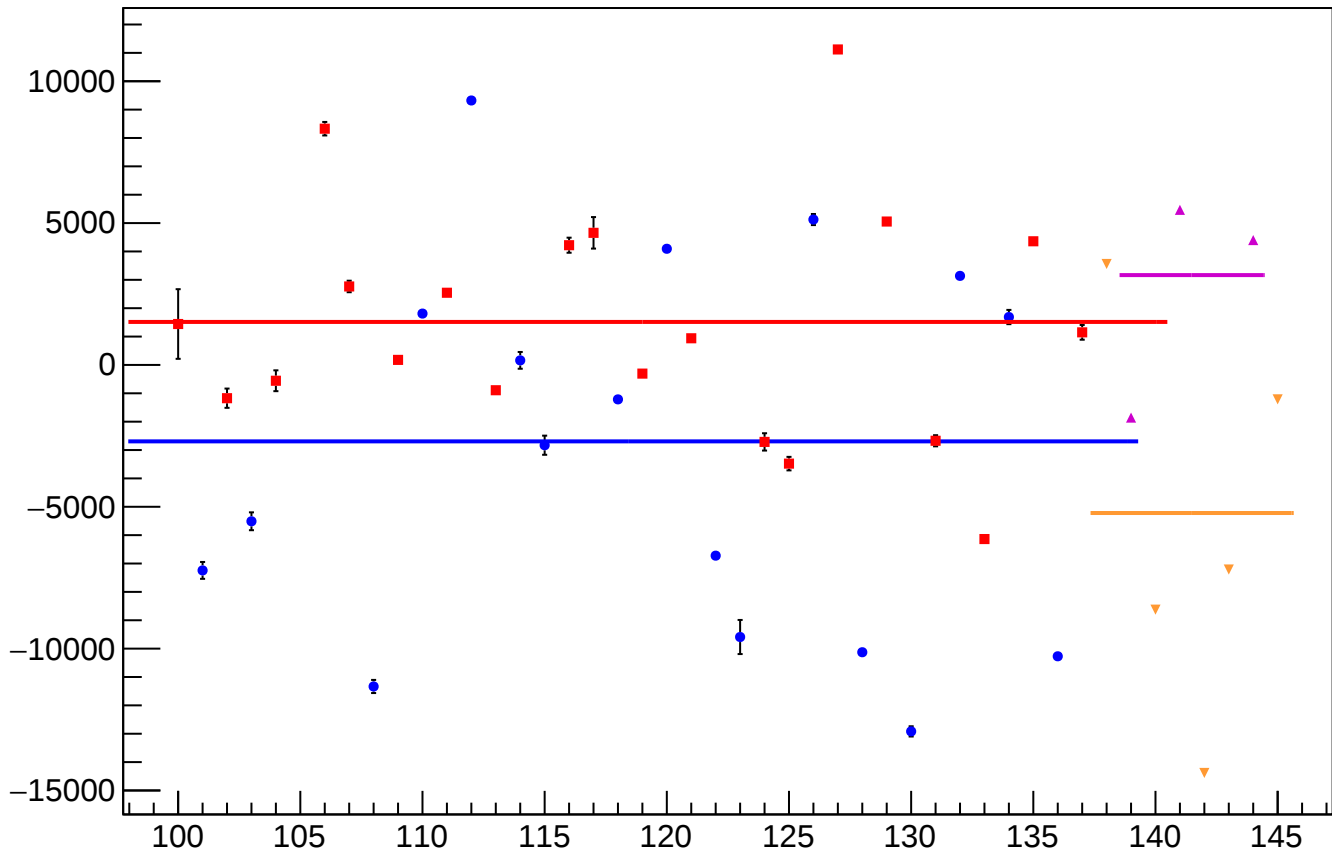
Right Out: 117.054 $\pm$ 0.033 χ^2 /NDF: 690646.8/19

Left In: 113.784 $\pm$ 0.053 χ^2 /NDF: 4185.5/2

117.948 $\pm$ 0.028 χ^2 /NDF: 696172.0/21

116.154 $\pm$ 0.028 χ^2 /NDF: 697585.7/22

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 ± 46.347 χ^2/NDF : 22860.3/16

Left Out: -5219.637 ± 64.100 χ^2/NDF : 8651.5/4

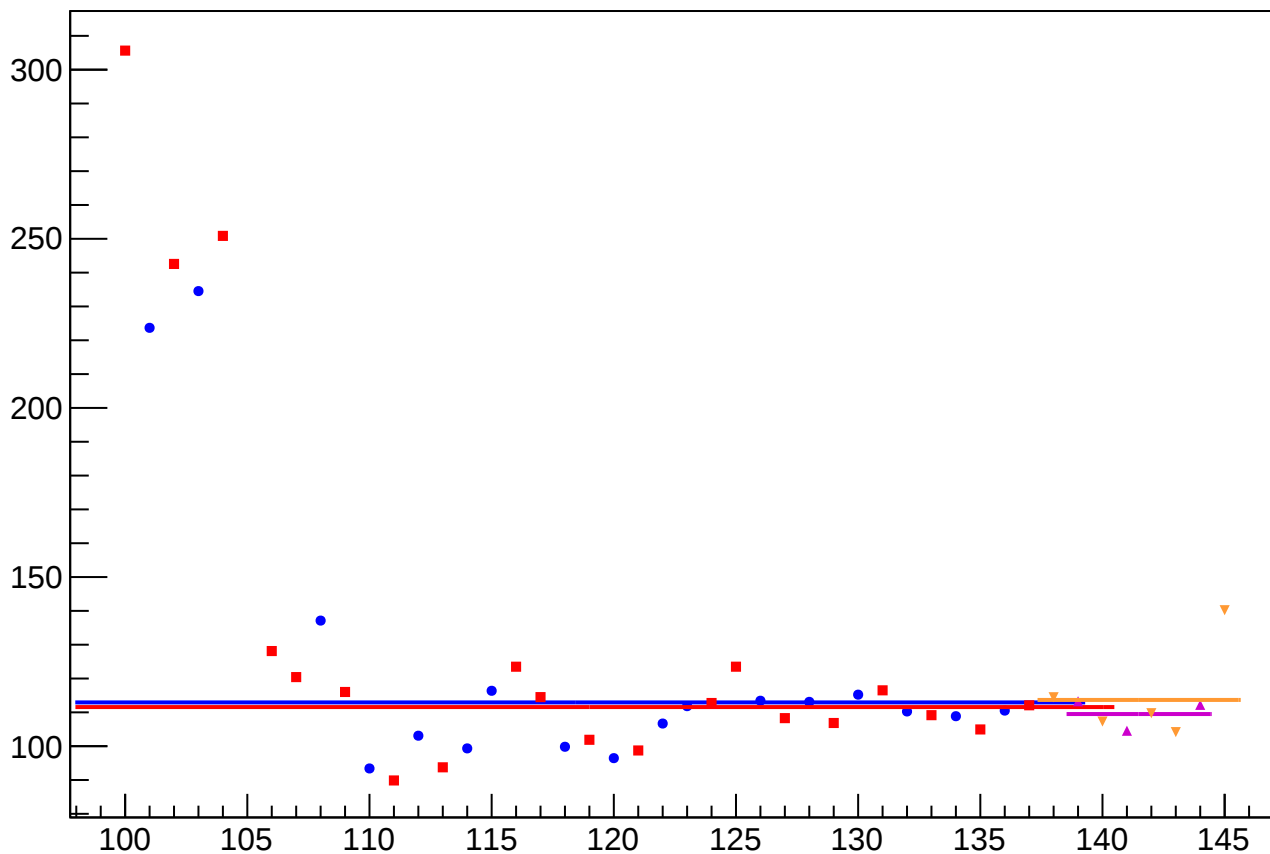
Right Out: 1515.863 ± 44.303 χ^2/NDF : 8749.3/19

Left In: 3166.669 ± 72.386 χ^2/NDF : 1766.6/2

-3561.252 ± 37.558 χ^2/NDF : 32531.1/21

1965.726 ± 37.787 χ^2/NDF : 10894.3/22

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 113.672 $\pm$ 0.045 χ^2 /NDF: 69072.4/4

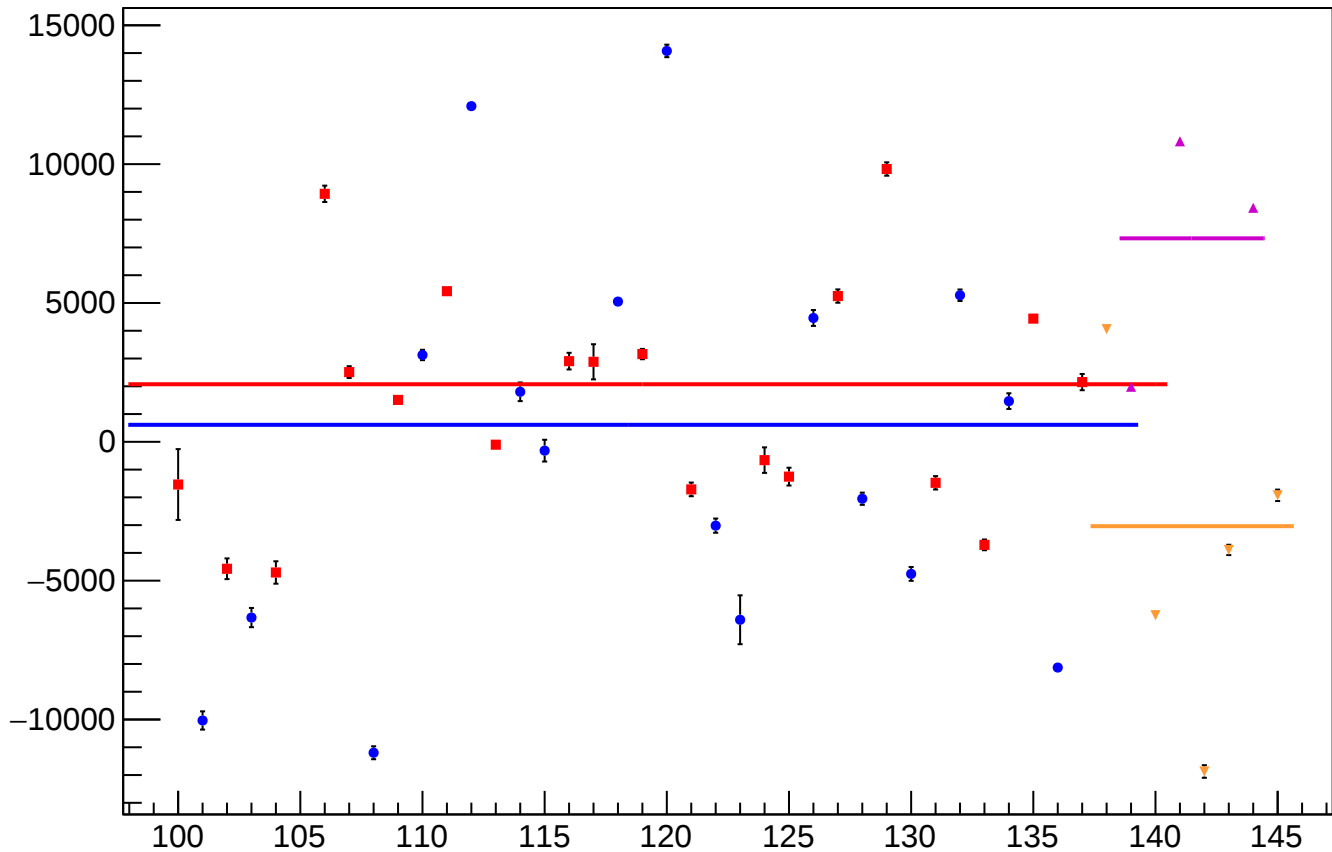
Right Out: 111.562 $\pm$ 0.031 χ^2 /NDF: 765559.1/19

Left In: 109.501 $\pm$ 0.051 χ^2 /NDF: 6047.6/2

113.191 $\pm$ 0.027 χ^2 /NDF: 749526.3/21

111.001 $\pm$ 0.027 χ^2 /NDF: 772786.4/22

asym_bpm0i01WS_mean vs Slug



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -3038.023 ± 82.720 $\chi^2/\text{NDF}: 3912.4/4$

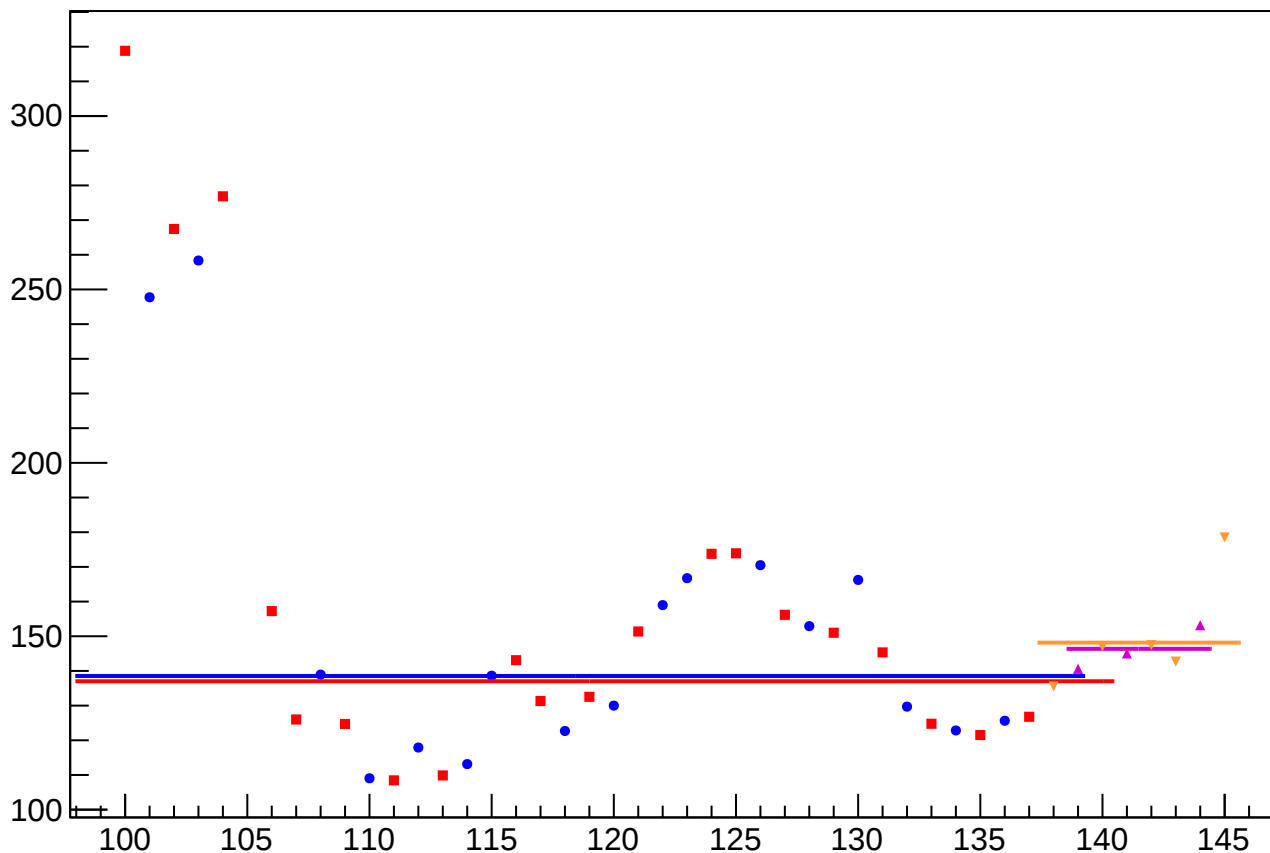
Right Out: 2073.278 ± 53.736 $\chi^2/\text{NDF}: 4644.3/19$

Left In: 7327.792 ± 95.870 $\chi^2/\text{NDF}: 1478.1/2$

-536.403 ± 46.408 $\chi^2/\text{NDF}: 23490.4/21$

3329.449 ± 46.875 $\chi^2/\text{NDF}: 8408.3/22$

asym_bpm0i01WS_rms vs Slug



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 148.161 $\pm$ 0.058 χ^2 /NDF: 57805.9/4

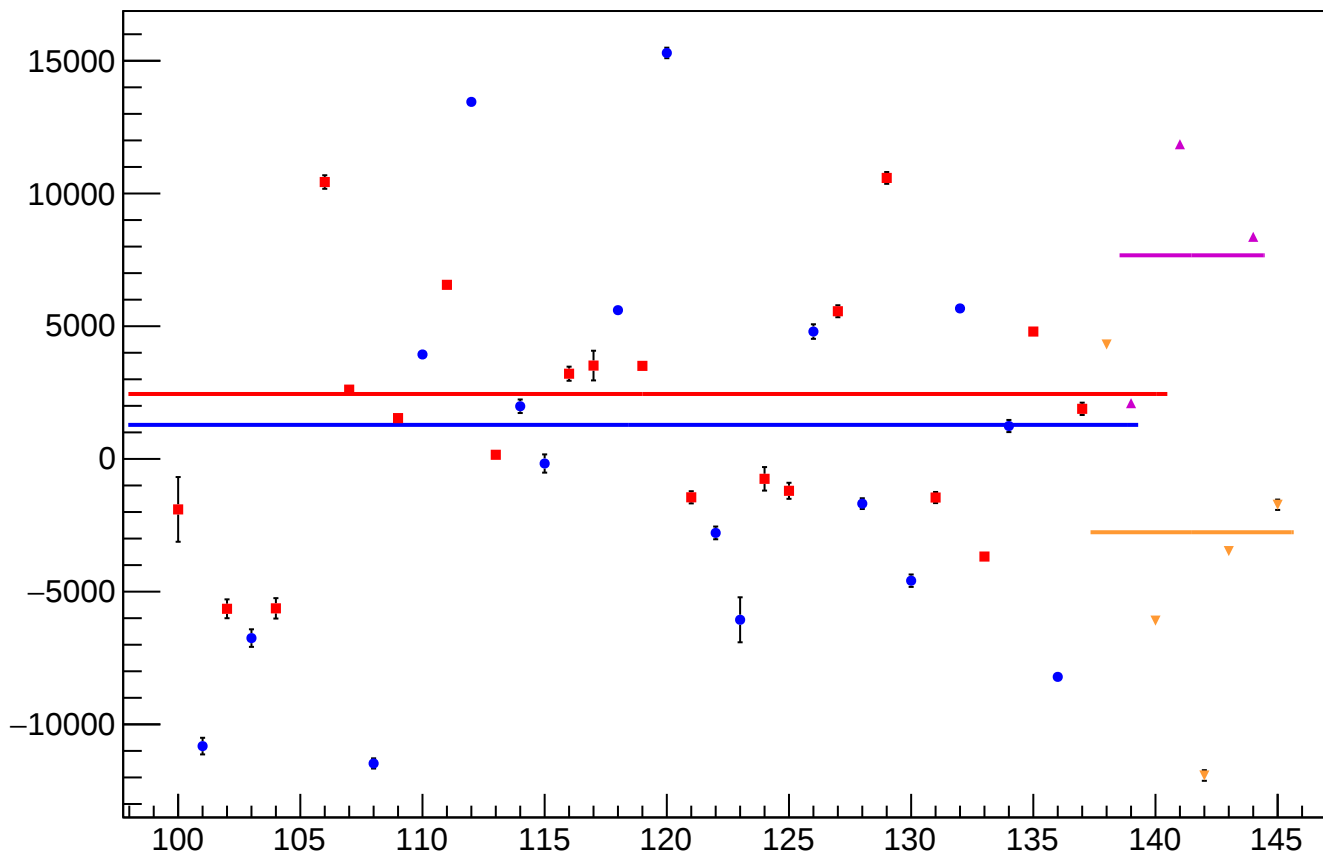
Right Out: 137.019 $\pm$ 0.038 χ^2 /NDF: 755655.0/19

Left In: 146.370 $\pm$ 0.068 χ^2 /NDF: 5687.5/2

141.569 $\pm$ 0.033 χ^2 /NDF: 745281.2/21

139.255 $\pm$ 0.033 χ^2 /NDF: 775821.1/22

asym_bpm0i01aWS_mean vs Slug



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -2762.081+/-73.035 χ^2/NDF : 5337.2/4

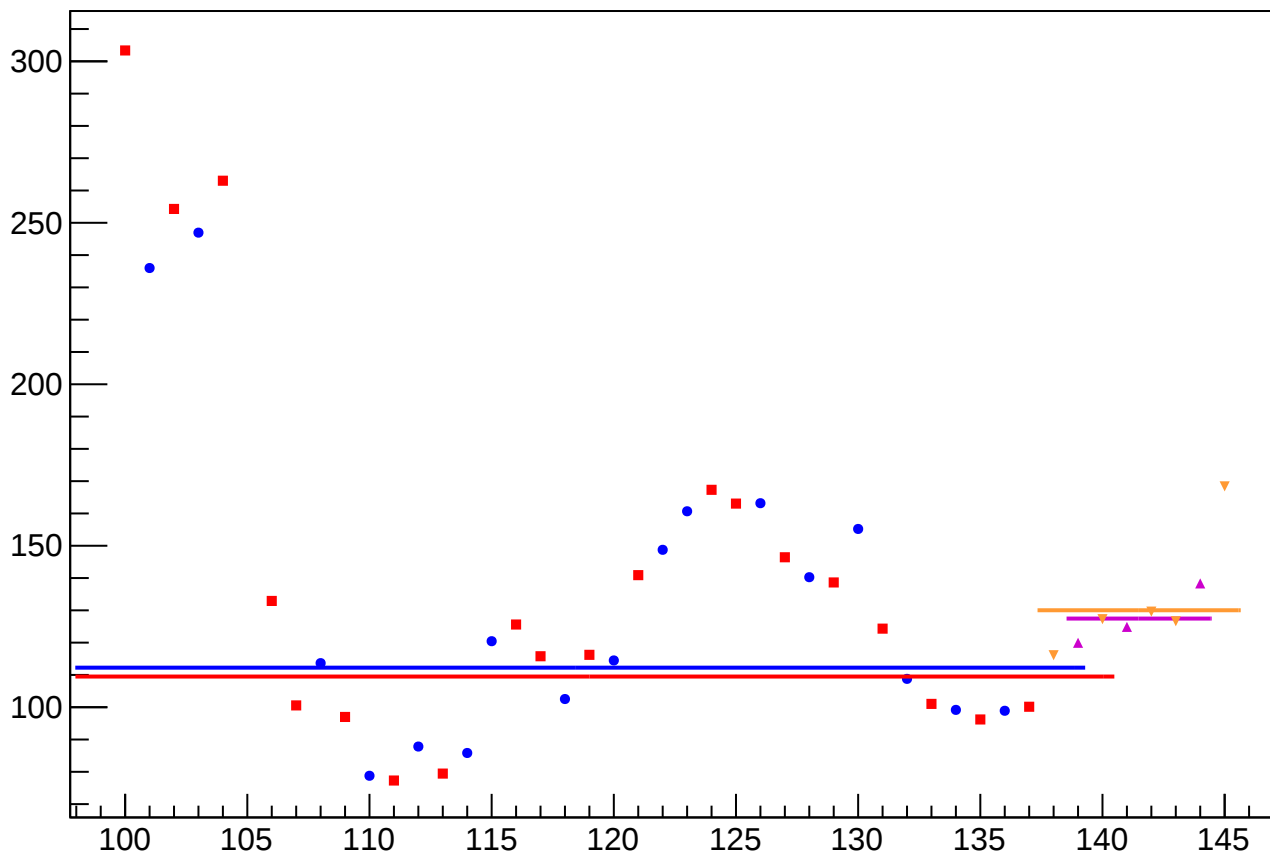
Right Out: 2446.970+/-44.148 χ^2/NDF : 7681.2/19

Left In: 7671.277+/-83.788 χ^2/NDF : 2362.3/2

113.632+/-39.268 χ^2/NDF : 38058.8/21

3582.180+/-39.058 χ^2/NDF : 13086.4/22

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 130.024+/-0.052 χ^2/NDF :99826.7/4

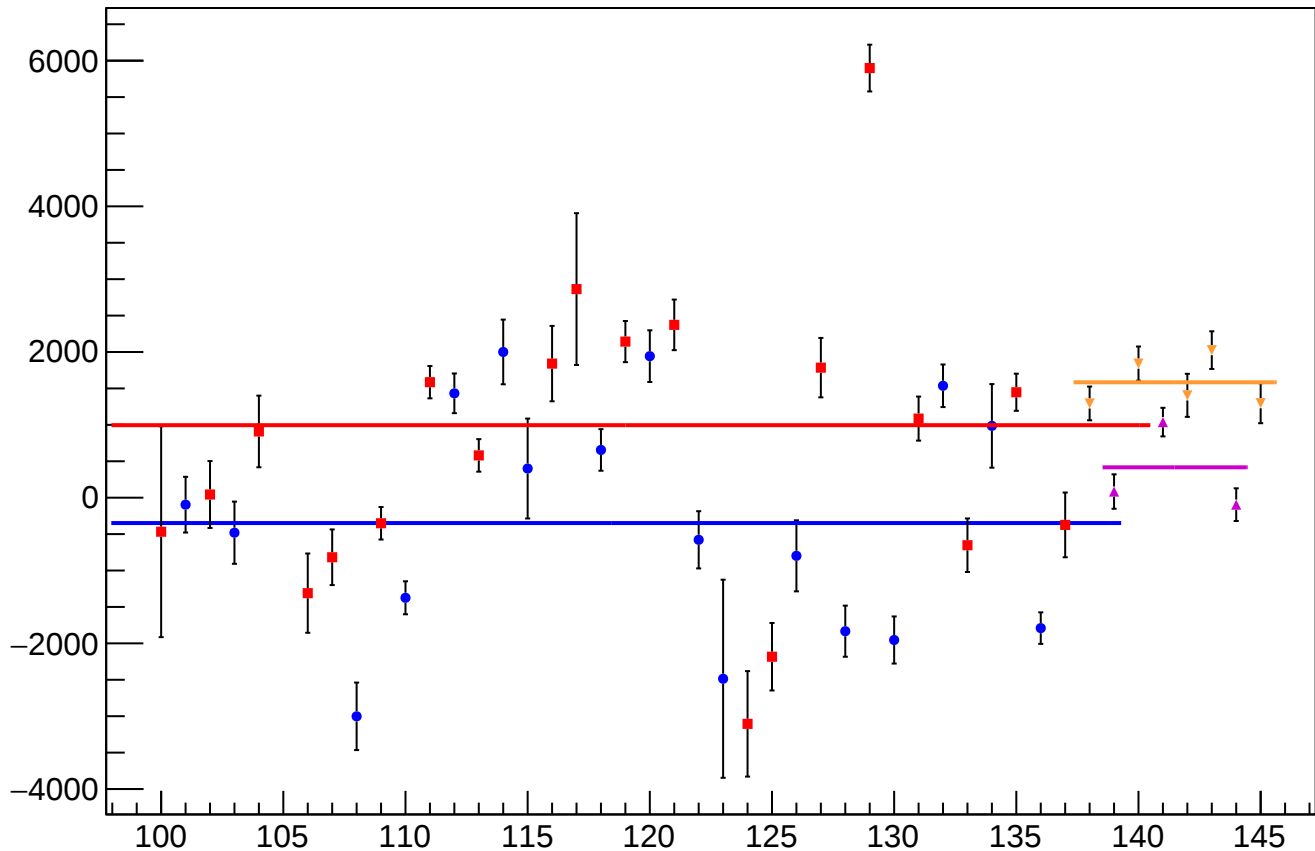
Right Out: 109.500+/-0.031 χ^2/NDF : 1269887.8/19

Left In: 127.451+/-0.059 χ^2/NDF :16199.0/2

117.389+/-0.028 χ^2/NDF : 1309571.2/21

113.400+/-0.028 χ^2/NDF : 1357940.2/22

asym_bpm0l01WS_mean vs Slug



Right In: -348.055 ± 83.826 $\chi^2/\text{NDF}: 317.3/16$

Left Out: 1584.158 ± 114.338 $\chi^2/\text{NDF}: 7.1/4$

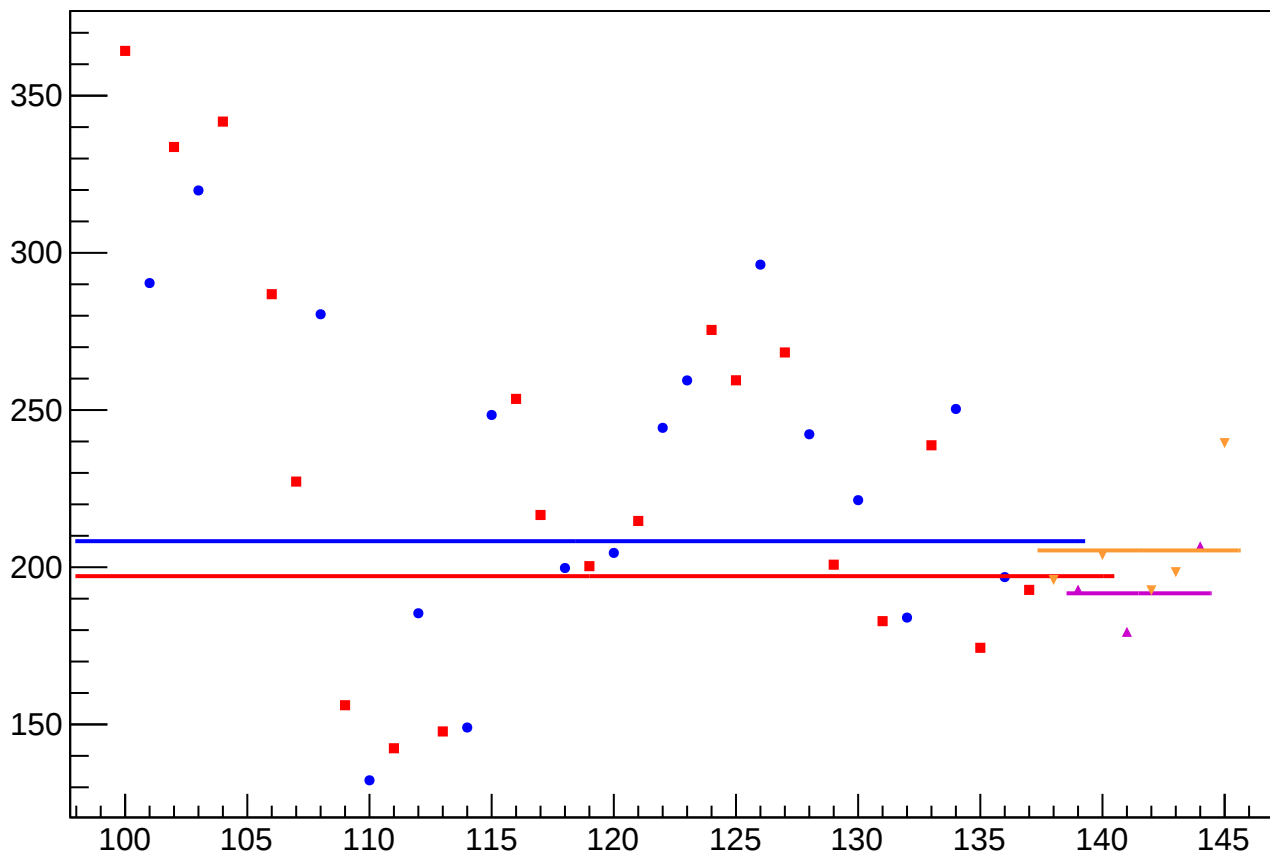
Right Out: 995.622 ± 77.468 $\chi^2/\text{NDF}: 479.8/19$

Left In: 416.838 ± 125.264 $\chi^2/\text{NDF}: 17.2/2$

327.438 ± 67.604 $\chi^2/\text{NDF}: 510.2/21$

835.498 ± 65.886 $\chi^2/\text{NDF}: 512.4/22$

asym_bpm0l01WS_rms vs Slug



Right In: 208.288 ± 0.059 χ^2/NDF : 698491.0/16

Left Out: 205.345 ± 0.081 χ^2/NDF : 39359.5/4

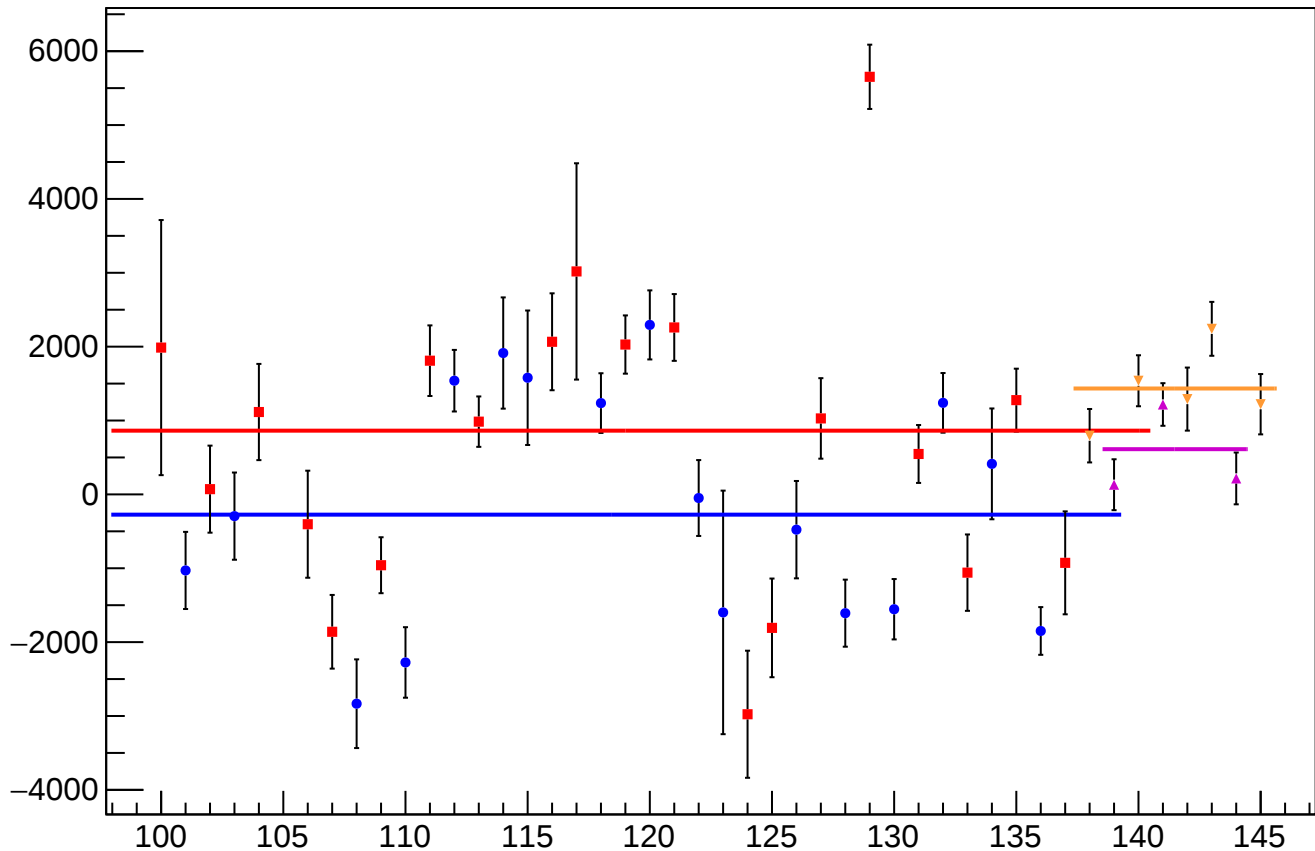
Right Out: 197.159 ± 0.055 χ^2/NDF : 927487.8/19

Left In: 191.705 ± 0.089 χ^2/NDF : 16732.9/2

207.259 ± 0.048 χ^2/NDF : 738712.1/21

195.650 ± 0.047 χ^2/NDF : 946963.3/22

asym_bpm0l02WS_mean vs Slug



Right In: -274.260 $\pm$ 121.326 χ^2 /NDF: 171.6/16

Left Out: 1433.565 $\pm$ 168.951 χ^2 /NDF:8.5/4

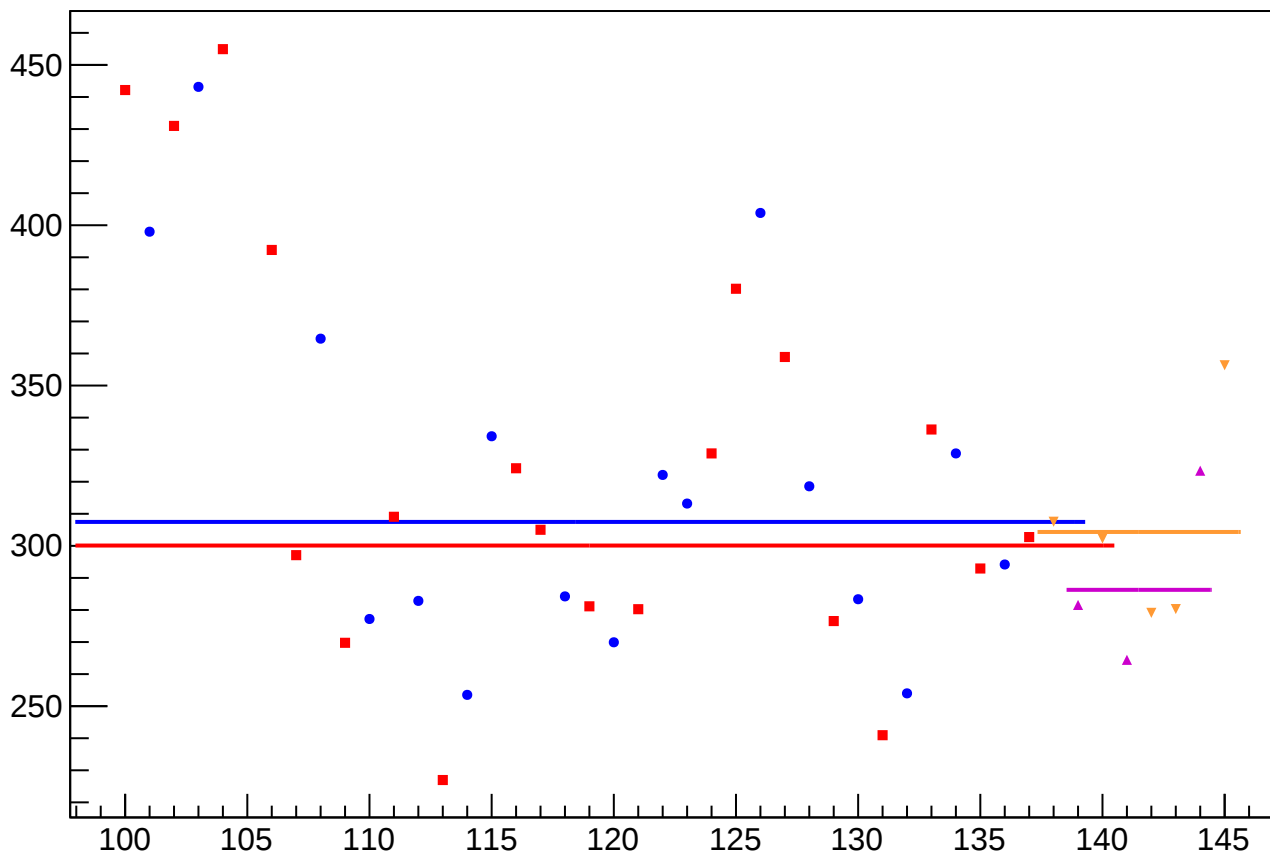
Right Out: 862.791 $\pm$ 114.993 χ^2 /NDF: 265.4/19

Left In: 612.138 $\pm$ 187.057 χ^2 /NDF:7.6/2

306.798 $\pm$ 98.548 χ^2 /NDF: 247.5/21

794.045 $\pm$ 97.962 χ^2 /NDF: 274.4/22

asym_bpm0l02WS_rms vs Slug



Right In: 307.468 $\pm$ 0.086 χ^2 /NDF: 323096.7/16

Left Out: 304.334 $\pm$ 0.119 χ^2 /NDF: 48324.1/4

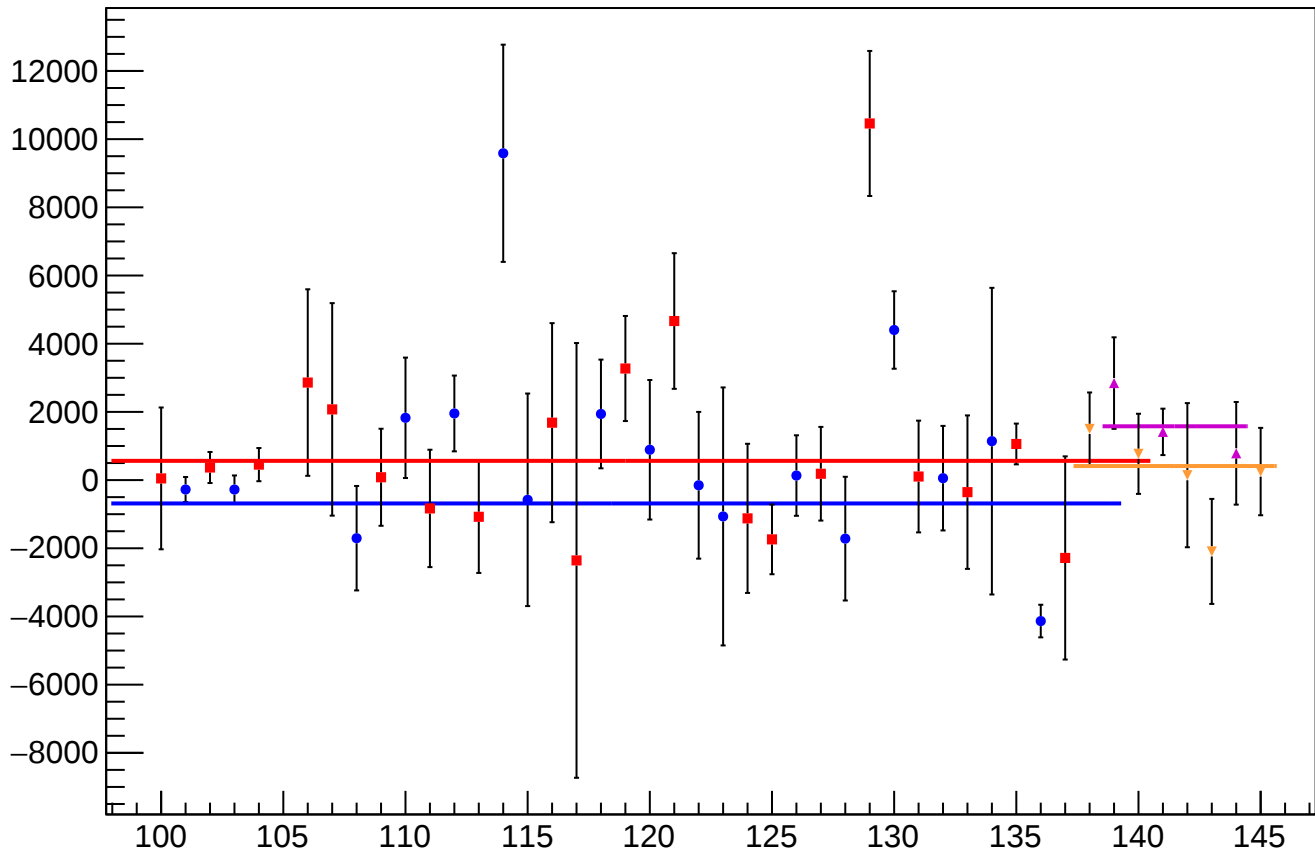
Right Out: 300.100 $\pm$ 0.081 χ^2 /NDF: 490421.6/19

Left In: 286.283 $\pm$ 0.132 χ^2 /NDF: 34280.3/2

306.402 $\pm$ 0.070 χ^2 /NDF: 371874.7/21

296.310 $\pm$ 0.069 χ^2 /NDF: 532621.1/22

asym_bpm0l03WS_mean vs Slug



Right In: -685.056+/-210.341 χ^2/NDF : 97.4/16

Left Out: 411.888+/-591.907 χ^2/NDF : 3.8/4

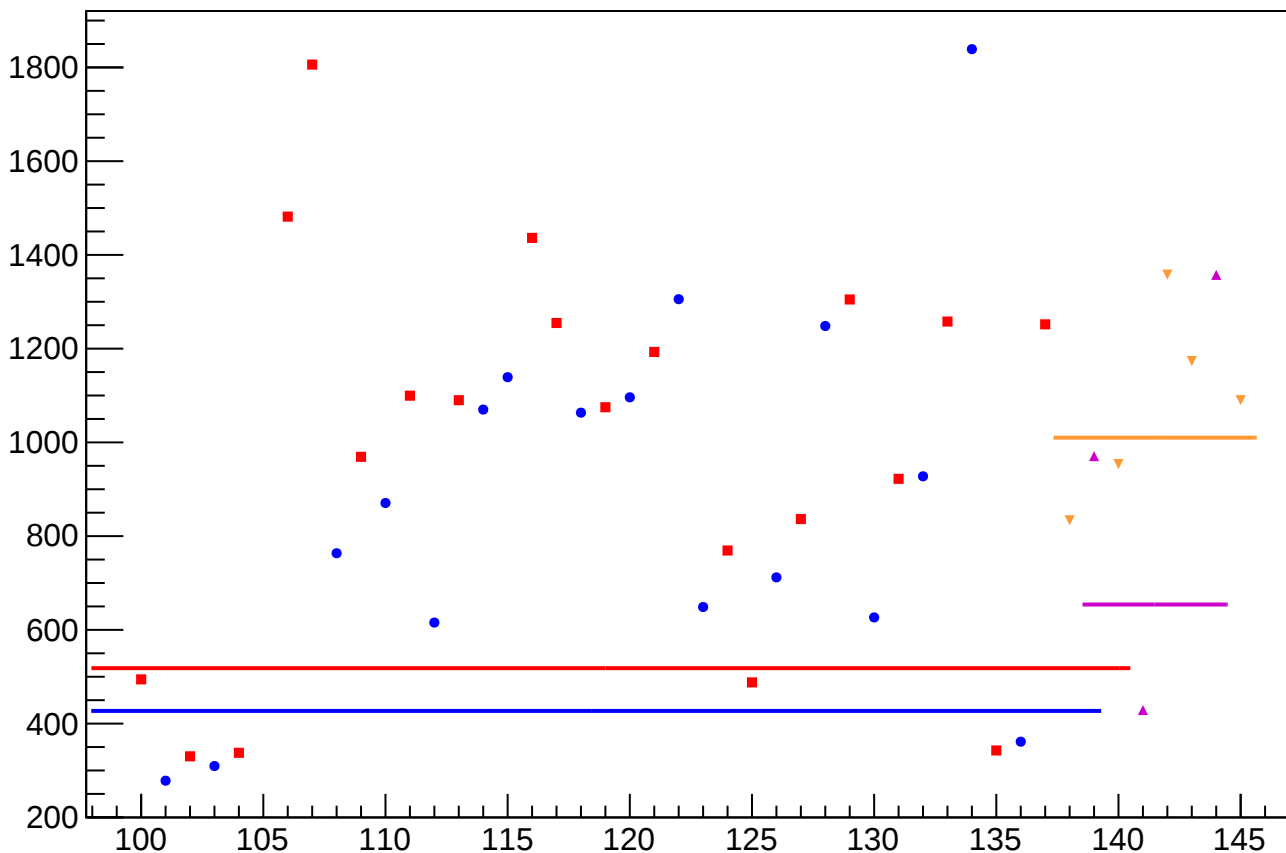
Right Out: 564.400+/-243.074 χ^2/NDF : 39.9/19

Left In: 1578.154+/-562.945 χ^2/NDF : 1.2/2

-562.064+/-198.198 χ^2/NDF : 104.2/21

723.706+/-223.160 χ^2/NDF : 43.9/22

asym_bpm0l03WS_rms vs Slug



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 1010.124+/-0.419 χ^2/NDF :143508.9/4

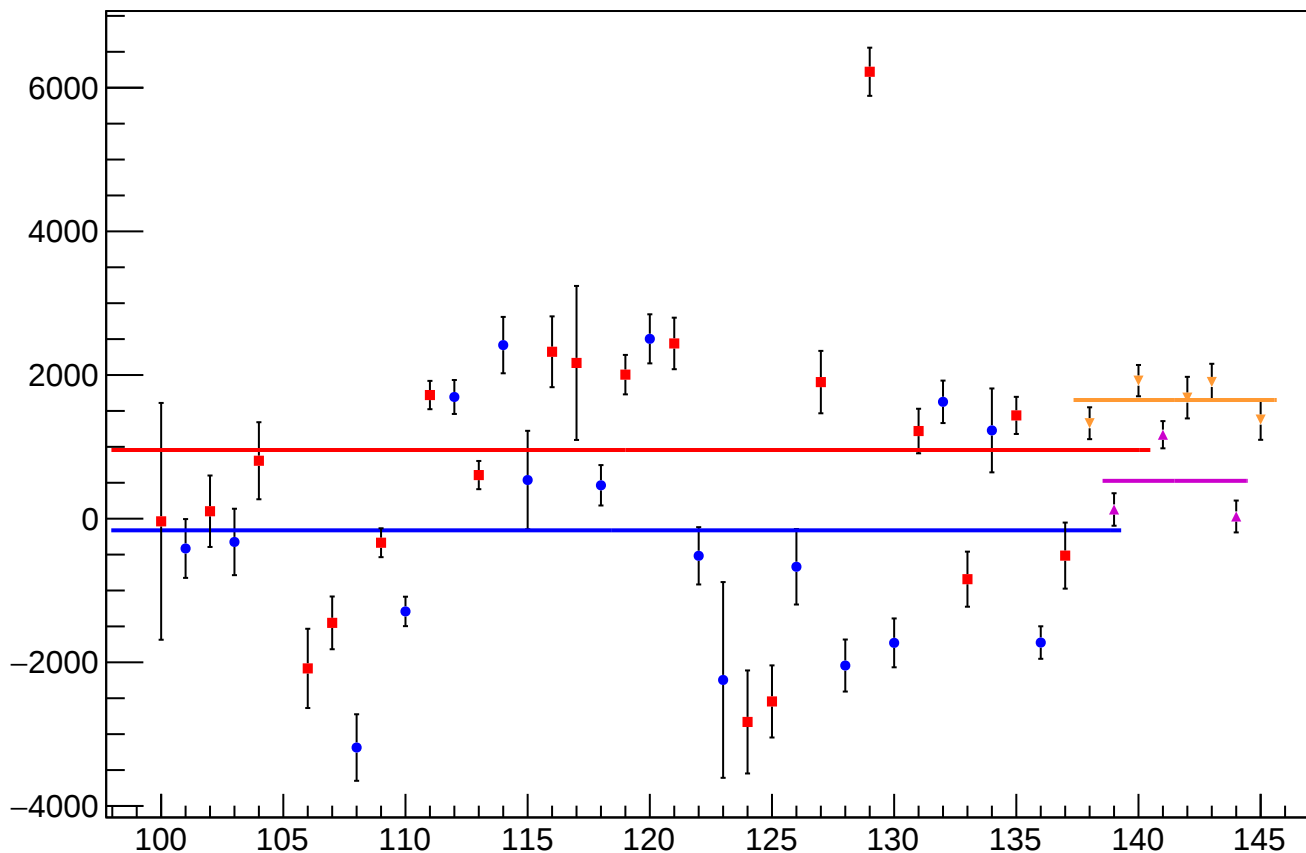
Right Out: 518.306+/-0.172 χ^2/NDF : 3631833.9/19

Left In: 654.098+/-0.398 χ^2/NDF :766661.7/2

492.452+/-0.140 χ^2/NDF : 4732167.9/21

539.645+/-0.158 χ^2/NDF : 4496578.6/22

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 χ^2/NDF : 387.6/16

Left Out: 1652.243 ± 110.754 χ^2/NDF : 5.6/4

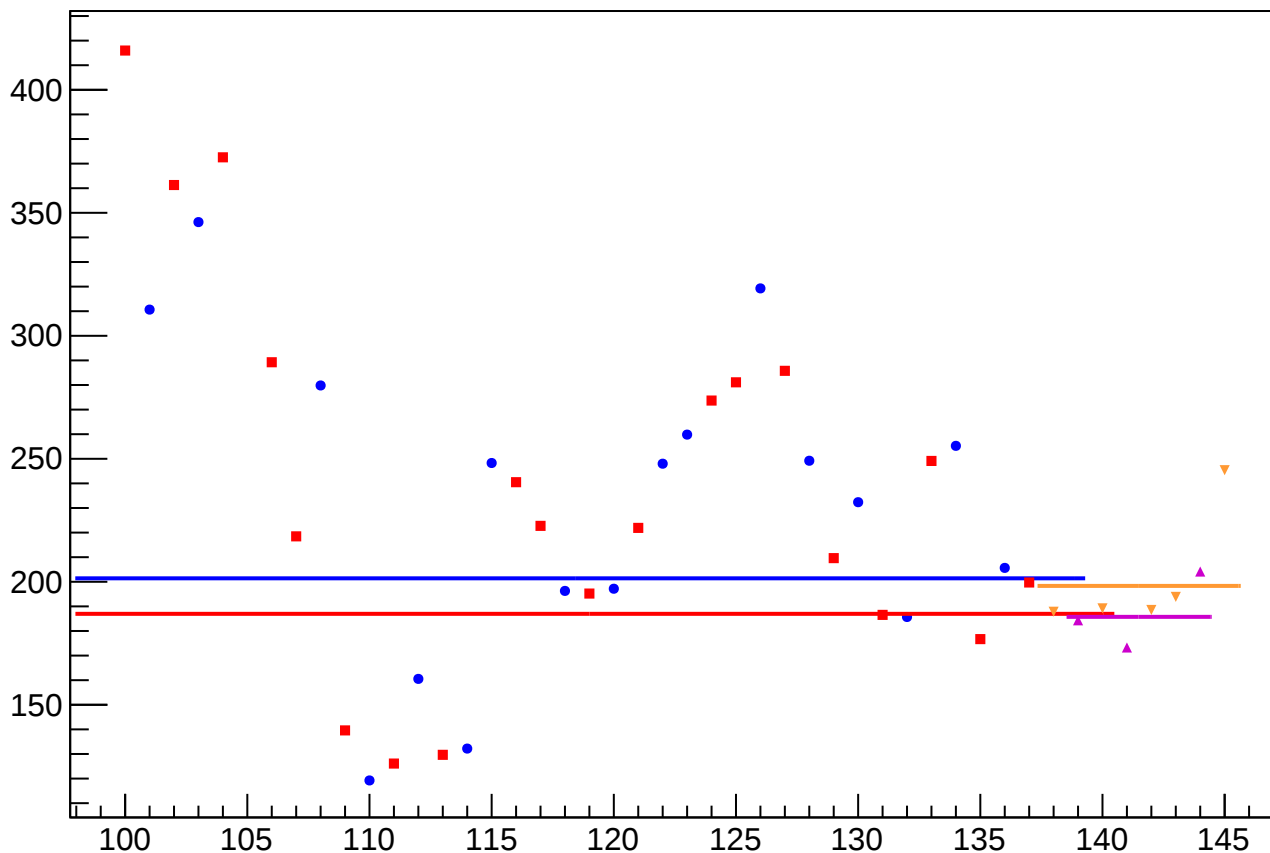
Right Out: 956.044 ± 74.949 χ^2/NDF : 541.1/19

Left In: 526.769 ± 121.523 χ^2/NDF : 19.6/2

483.698 ± 66.084 χ^2/NDF : 566.0/21

837.753 ± 63.792 χ^2/NDF : 569.7/22

asym_bpm0l04WS_rms vs Slug



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 198.329 $\pm$ 0.078 χ^2 /NDF:66596.1/4

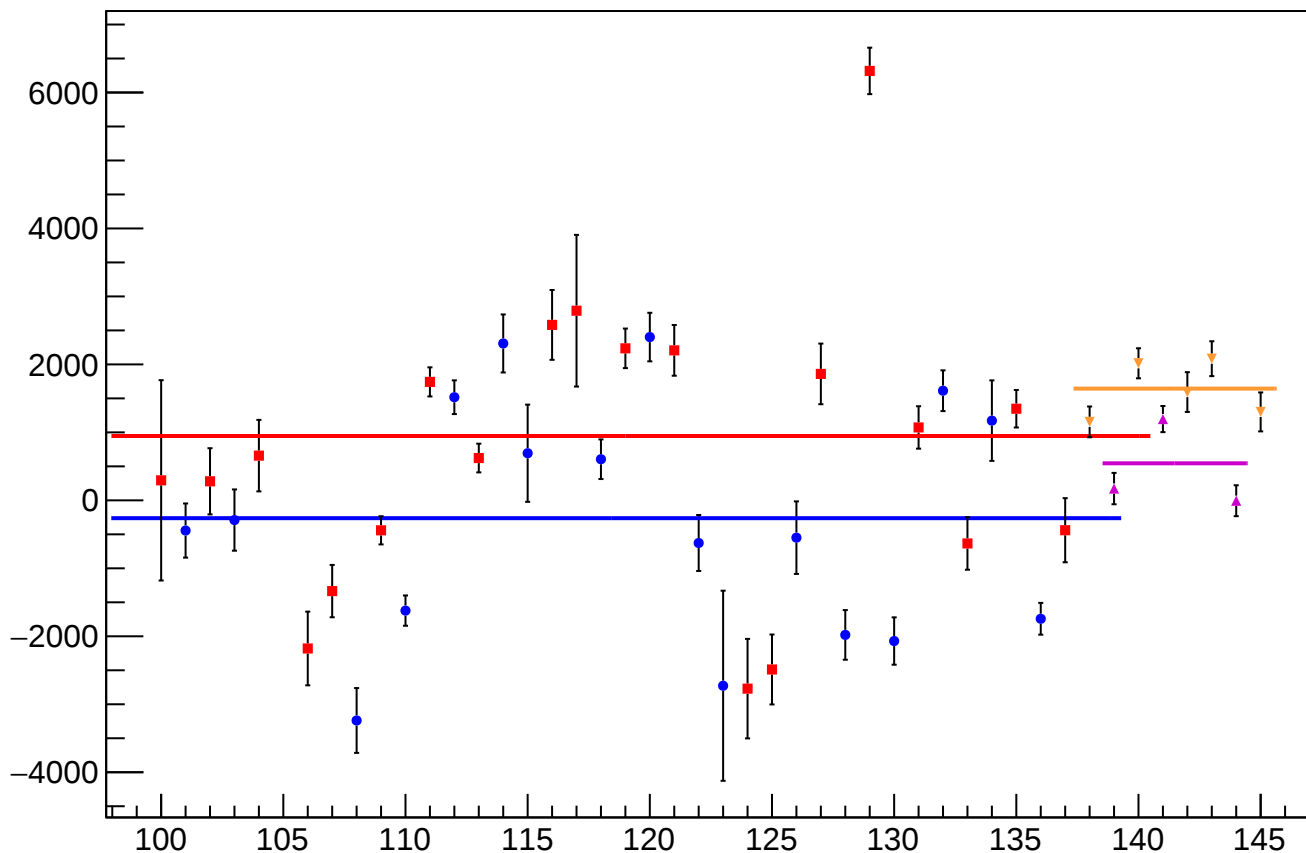
200.312 $\pm$ 0.047 χ^2 /NDF: 1123614.8/21

Right Out: 186.973 $\pm$ 0.053 χ^2 /NDF: 1395397.8/19

186.635 $\pm$ 0.045 χ^2 /NDF: 1418050.0/22

Left In: 185.748 $\pm$ 0.086 χ^2 /NDF:22504.9/2

asym_bpm0l05WS_mean vs Slug



Right In: -262.324 ± 85.433 $\chi^2/\text{NDF}: 368.7/16$

Left Out: 1643.863 ± 112.491 $\chi^2/\text{NDF}: 11.9/4$

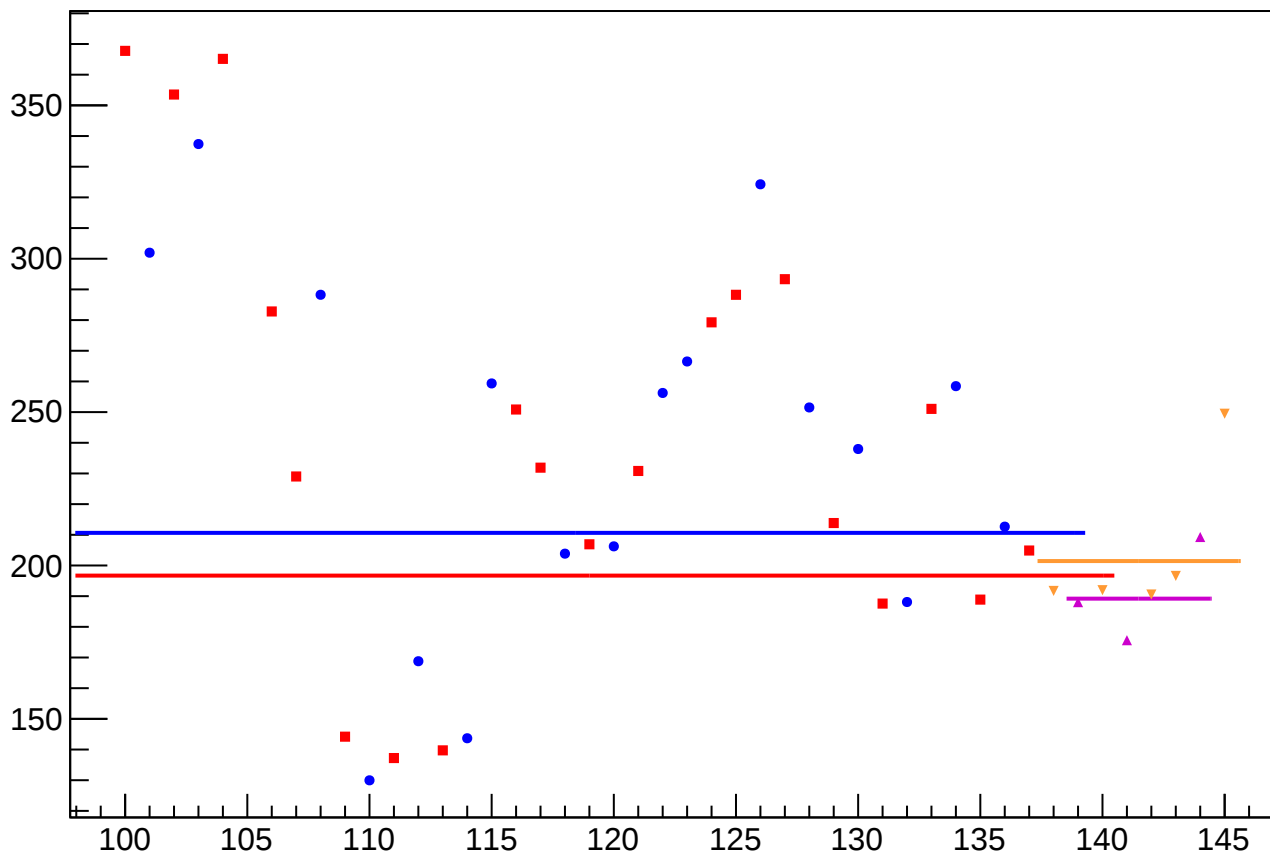
Right Out: 946.785 ± 78.241 $\chi^2/\text{NDF}: 524.6/19$

Left In: 544.961 ± 123.778 $\chi^2/\text{NDF}: 19.9/2$

434.958 ± 68.036 $\chi^2/\text{NDF}: 562.7/21$

832.068 ± 66.136 $\chi^2/\text{NDF}: 552.1/22$

asym_bpm0l05WS_rms vs Slug



Right In: 210.636+/-0.060 χ^2/NDF : 875776.4/16

Left Out: 201.443+/-0.080 χ^2/NDF : 67085.6/4

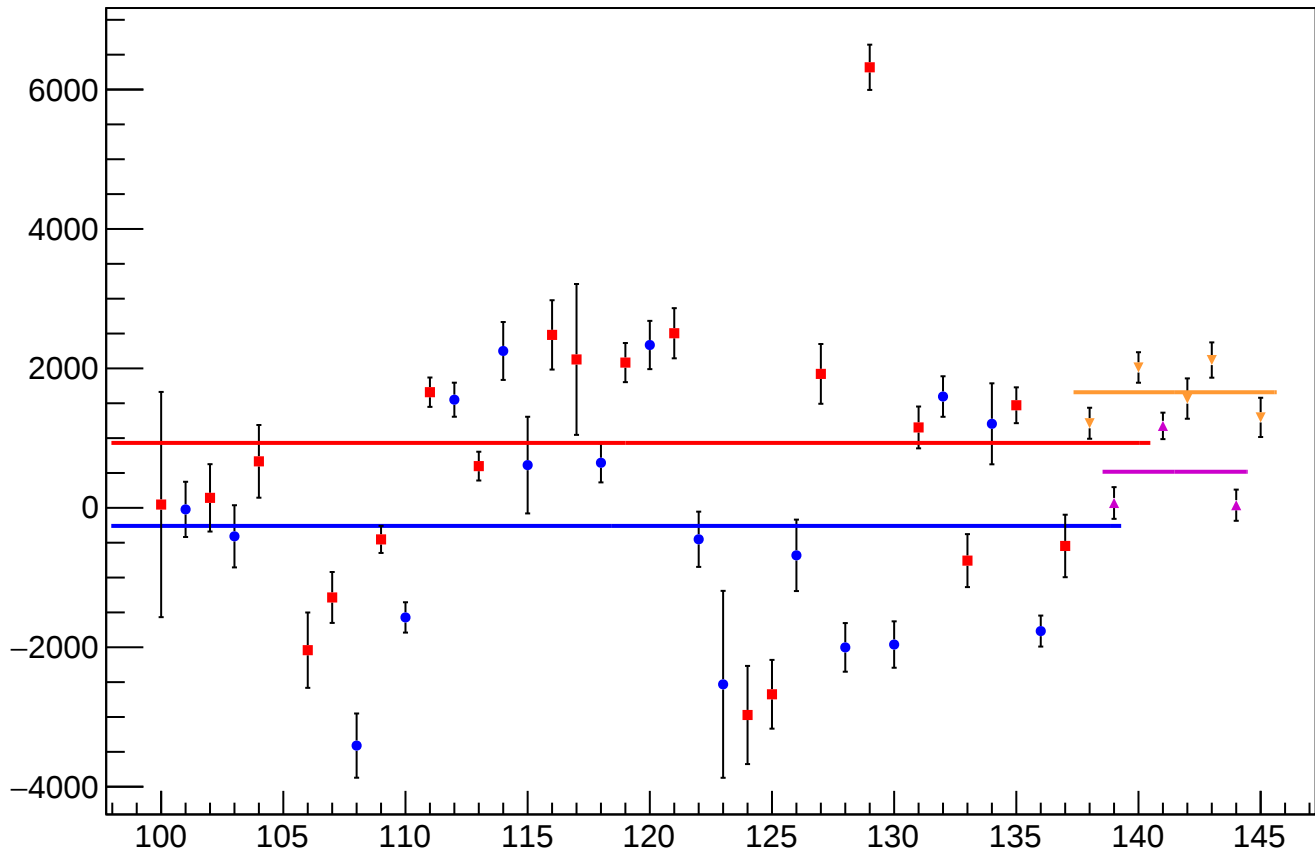
Right Out: 196.702+/-0.055 χ^2/NDF : 1207089.6/19

Left In: 189.190+/-0.088 χ^2/NDF : 25632.4/2

207.273+/-0.048 χ^2/NDF : 951333.4/21

194.557+/-0.047 χ^2/NDF : 1237985.8/22

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 χ^2/NDF : 391.2/16

Left Out: 1658.034 ± 110.942 χ^2/NDF : 11.7/4

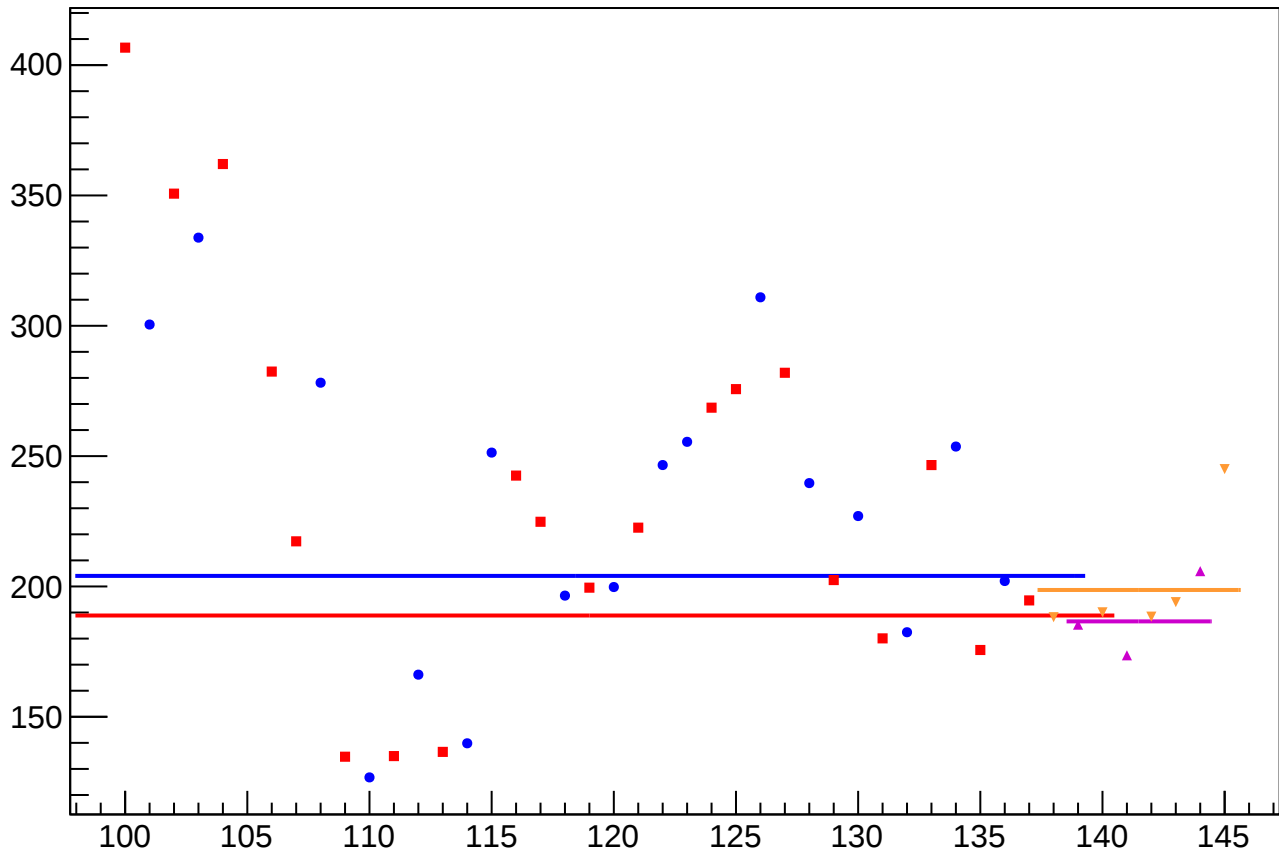
Right Out: 931.363 ± 75.320 χ^2/NDF : 583.1/19

Left In: 517.605 ± 122.087 χ^2/NDF : 20.5/2

426.742 ± 66.358 χ^2/NDF : 594.7/21

817.297 ± 64.103 χ^2/NDF : 611.9/22

asym_bpm0l06WS_rms vs Slug



Right In: 204.051+/-0.059 χ^2/NDF : 868423.0/16

Left Out: 198.651+/-0.078 χ^2/NDF : 64918.1/4

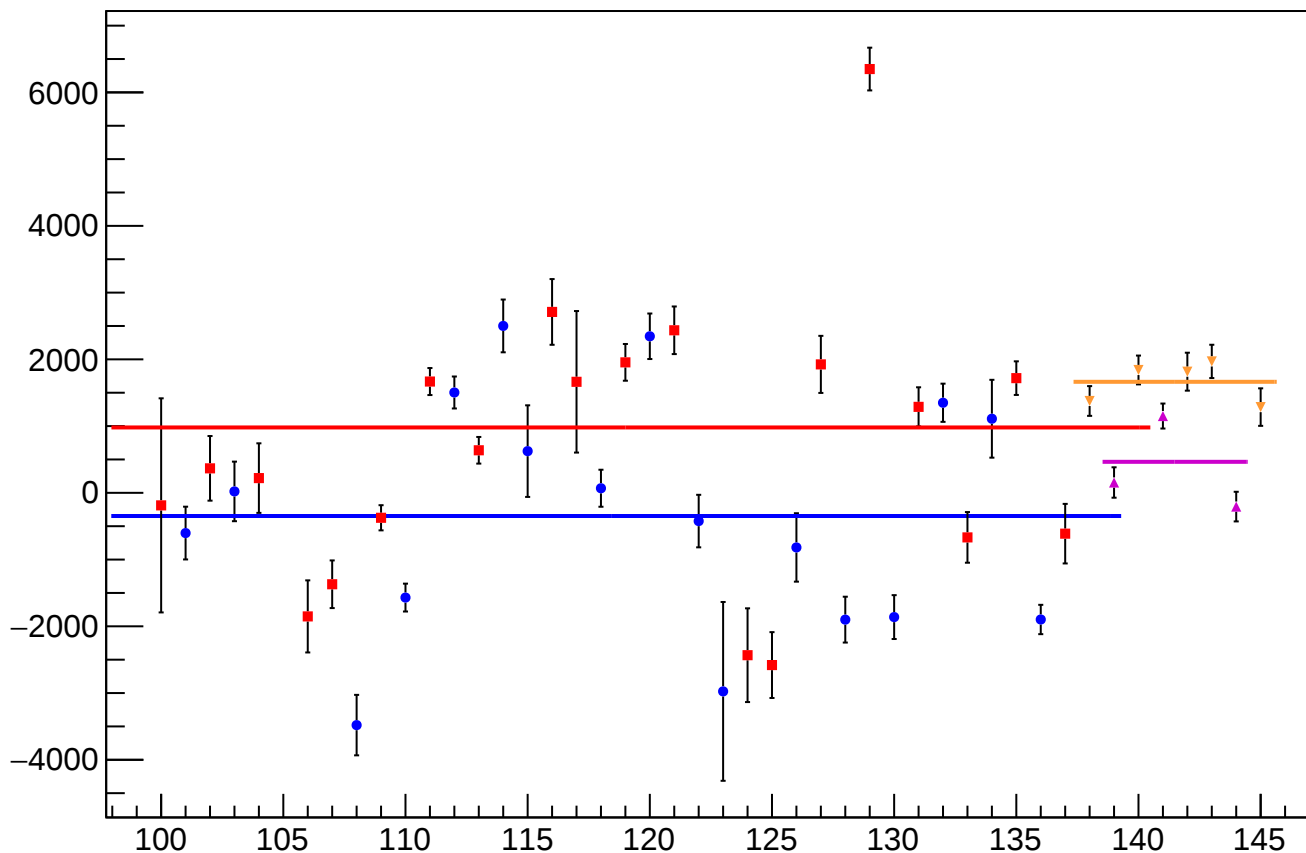
202.119+/-0.047 χ^2/NDF : 936384.7/21

Right Out: 188.856+/-0.053 χ^2/NDF : 1253327.1/19

188.234+/-0.045 χ^2/NDF : 1278137.9/22

Left In: 186.599+/-0.086 χ^2/NDF : 24316.1/2

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 ± 81.318 $\chi^2/\text{NDF}: 399.1/16$

Left Out: 1663.587 ± 109.993 $\chi^2/\text{NDF}: 5.9/4$

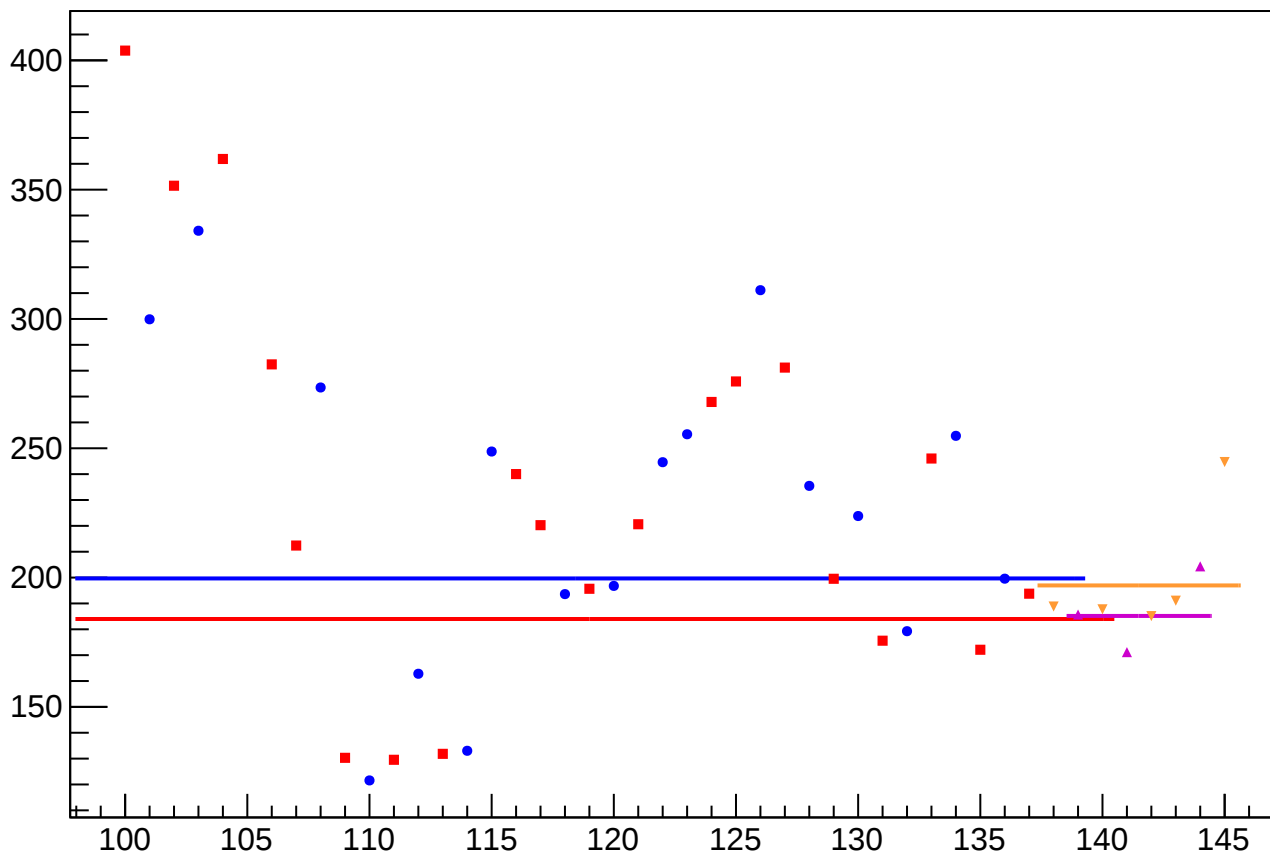
Right Out: 979.606 ± 73.710 $\chi^2/\text{NDF}: 586.1/19$

Left In: 464.629 ± 121.185 $\chi^2/\text{NDF}: 24.4/2$

363.399 ± 65.388 $\chi^2/\text{NDF}: 621.1/21$

840.536 ± 62.976 $\chi^2/\text{NDF}: 623.7/22$

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 ± 0.058 χ^2/NDF : 943155.1/16

Left Out: 196.967 ± 0.078 χ^2/NDF : 68567.0/4

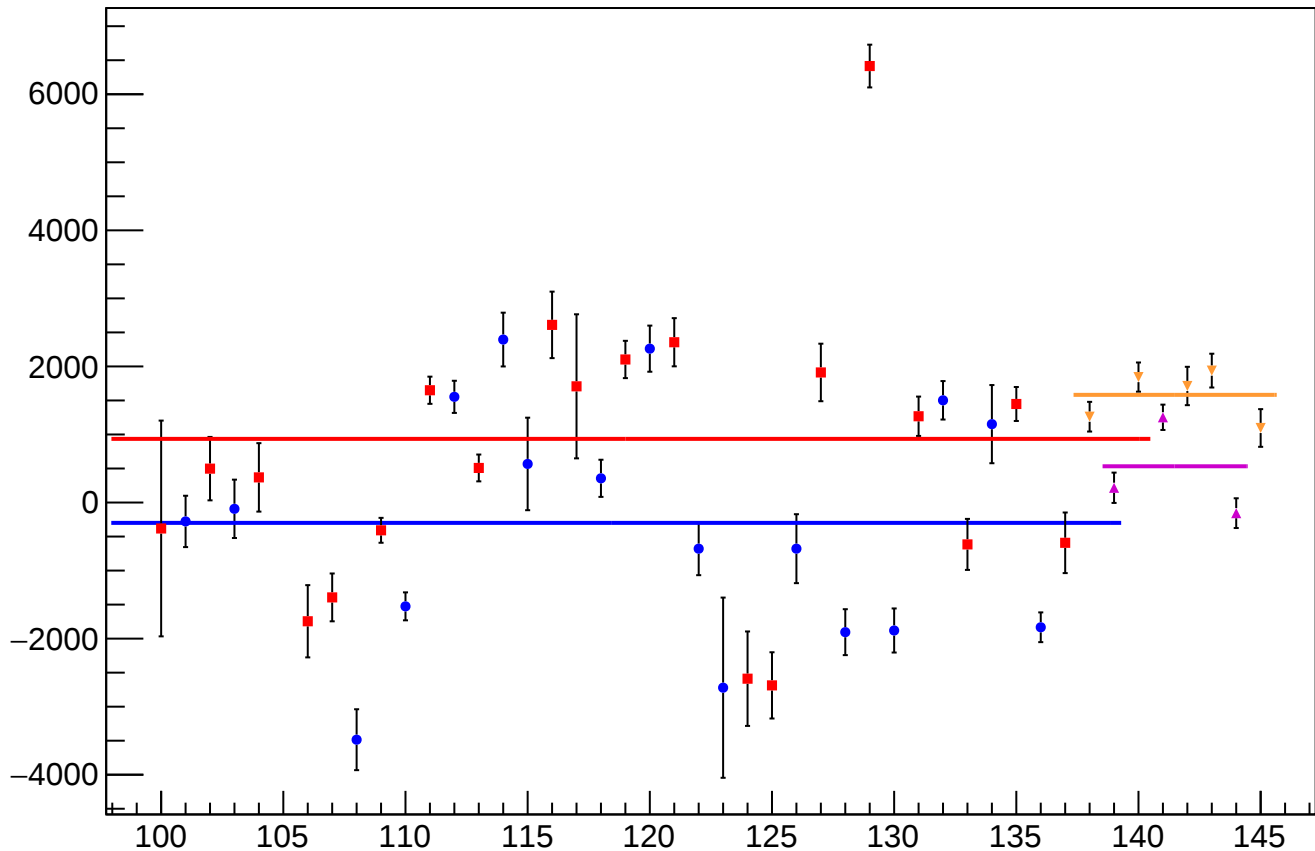
Right Out: 183.984 ± 0.052 χ^2/NDF : 1351978.1/19

Left In: 185.170 ± 0.086 χ^2/NDF : 26107.0/2

198.714 ± 0.046 χ^2/NDF : 1012502.6/21

184.304 ± 0.045 χ^2/NDF : 1378224.7/22

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 1582.371 ± 108.717 χ^2/NDF : 9.0/4

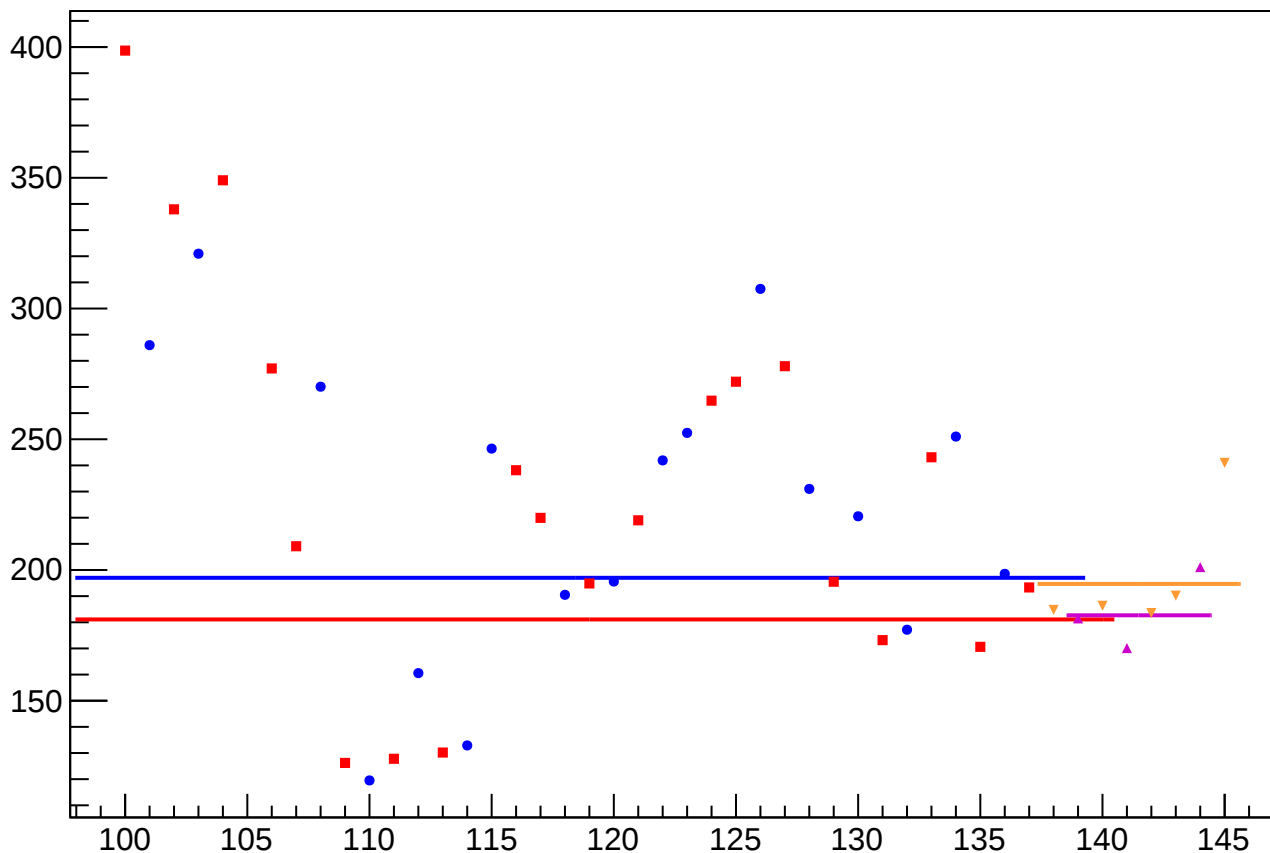
Right Out: 935.490 ± 72.580 χ^2/NDF : 615.3/19

Left In: 532.689 ± 119.555 χ^2/NDF : 26.9/2

363.635 ± 64.519 χ^2/NDF : 609.6/21

827.016 ± 62.042 χ^2/NDF : 650.5/22

asym_bpm0l08WS_rms vs Slug



Right In: 197.013 ± 0.057 χ^2/NDF : 911923.5/16

Left Out: 194.675 ± 0.077 χ^2/NDF : 66879.8/4

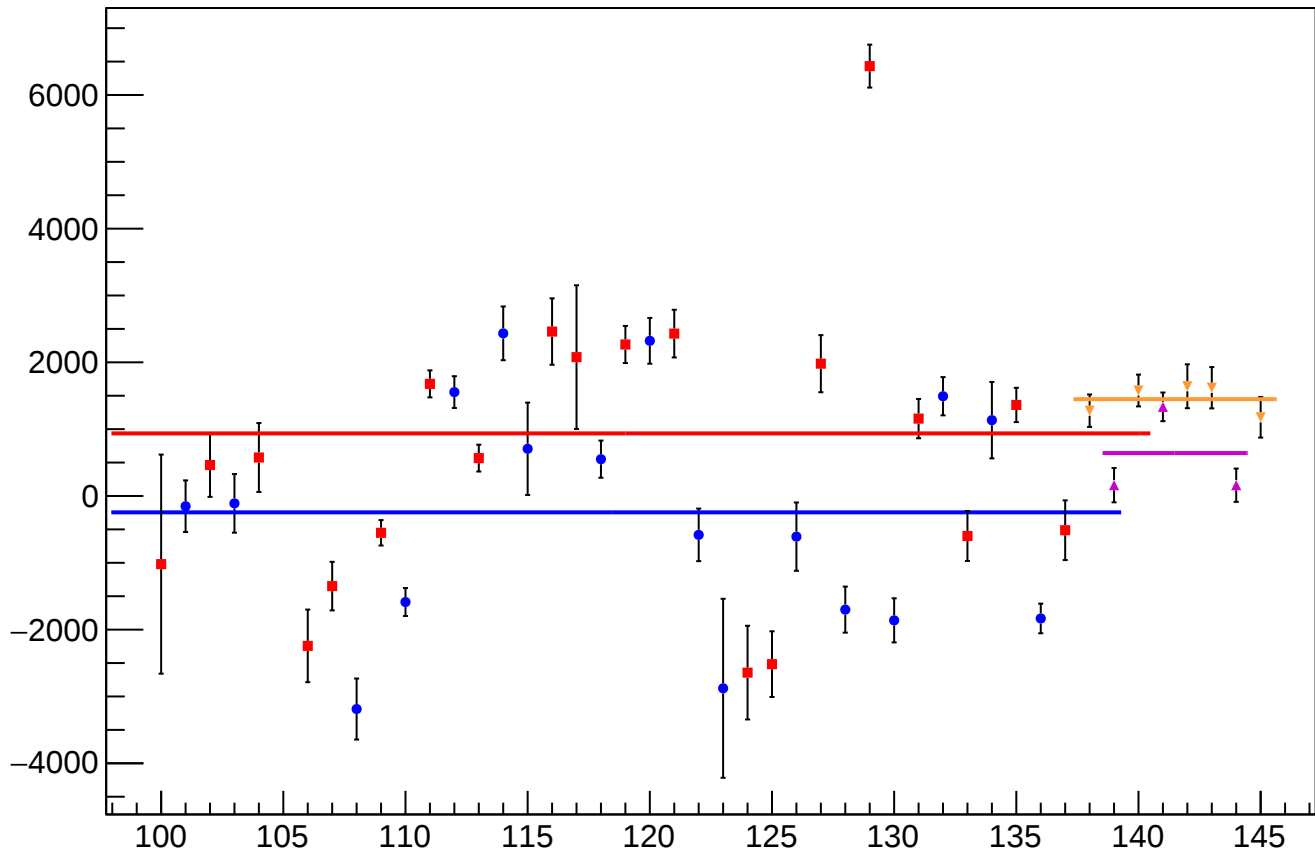
Right Out: 181.089 ± 0.051 χ^2/NDF : 1348390.5/19

Left In: 182.674 ± 0.085 χ^2/NDF : 23362.9/2

196.190 ± 0.046 χ^2/NDF : 979402.7/21

181.516 ± 0.044 χ^2/NDF : 1372010.3/22

asym_bpm0l09WS_mean vs Slug



Right In: -244.925+/-81.395 χ^2/NDF : 391.4/16

Left Out: 1448.416+/-123.804 χ^2/NDF : 2.3/4

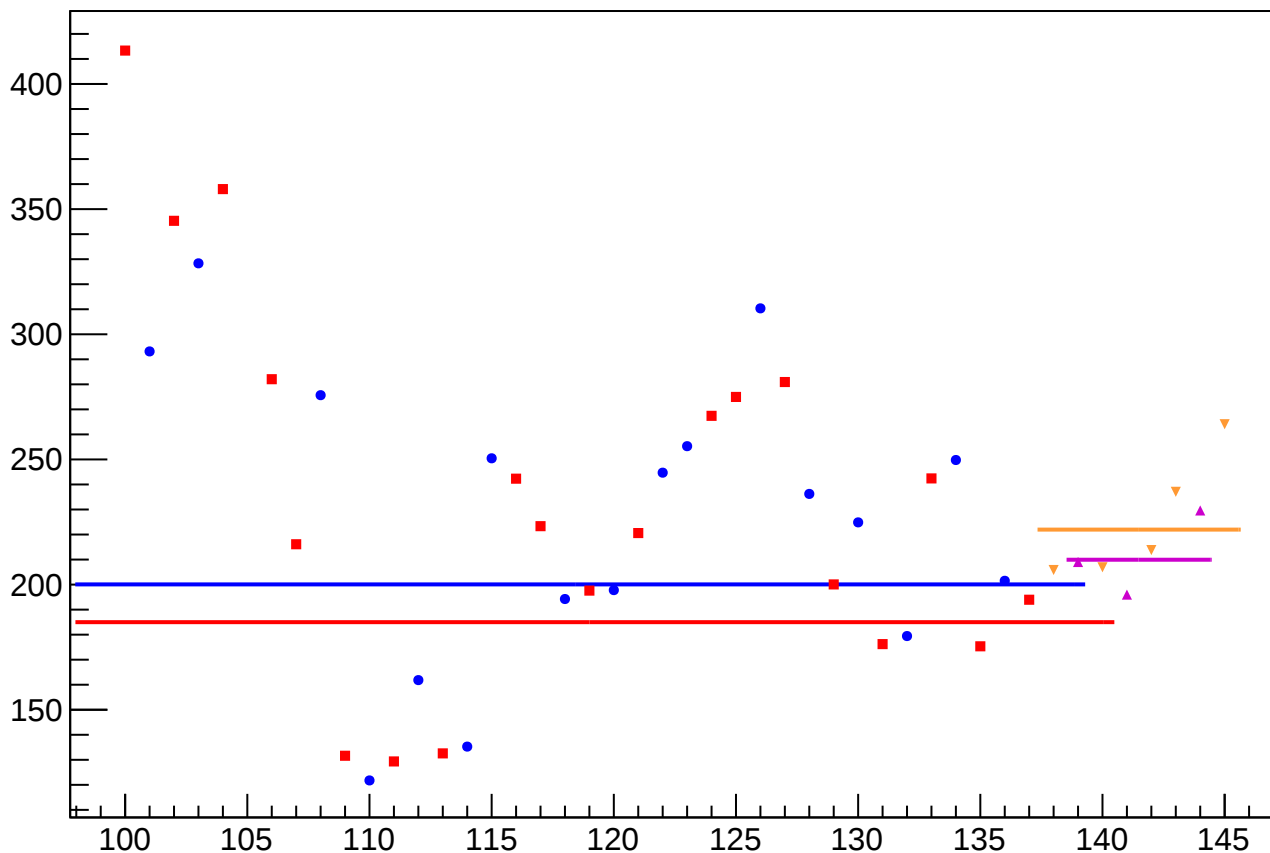
Right Out: 936.709+/-74.030 χ^2/NDF : 610.9/19

Left In: 642.126+/-137.317 χ^2/NDF : 17.6/2

266.112+/-68.013 χ^2/NDF : 524.3/21

870.371+/-65.163 χ^2/NDF : 632.0/22

asym_bpm0l09WS_rms vs Slug



Right In: 200.078+/-0.058 χ^2/NDF : 918309.2/16

Left Out: 221.969+/-0.088 χ^2/NDF : 61382.8/4

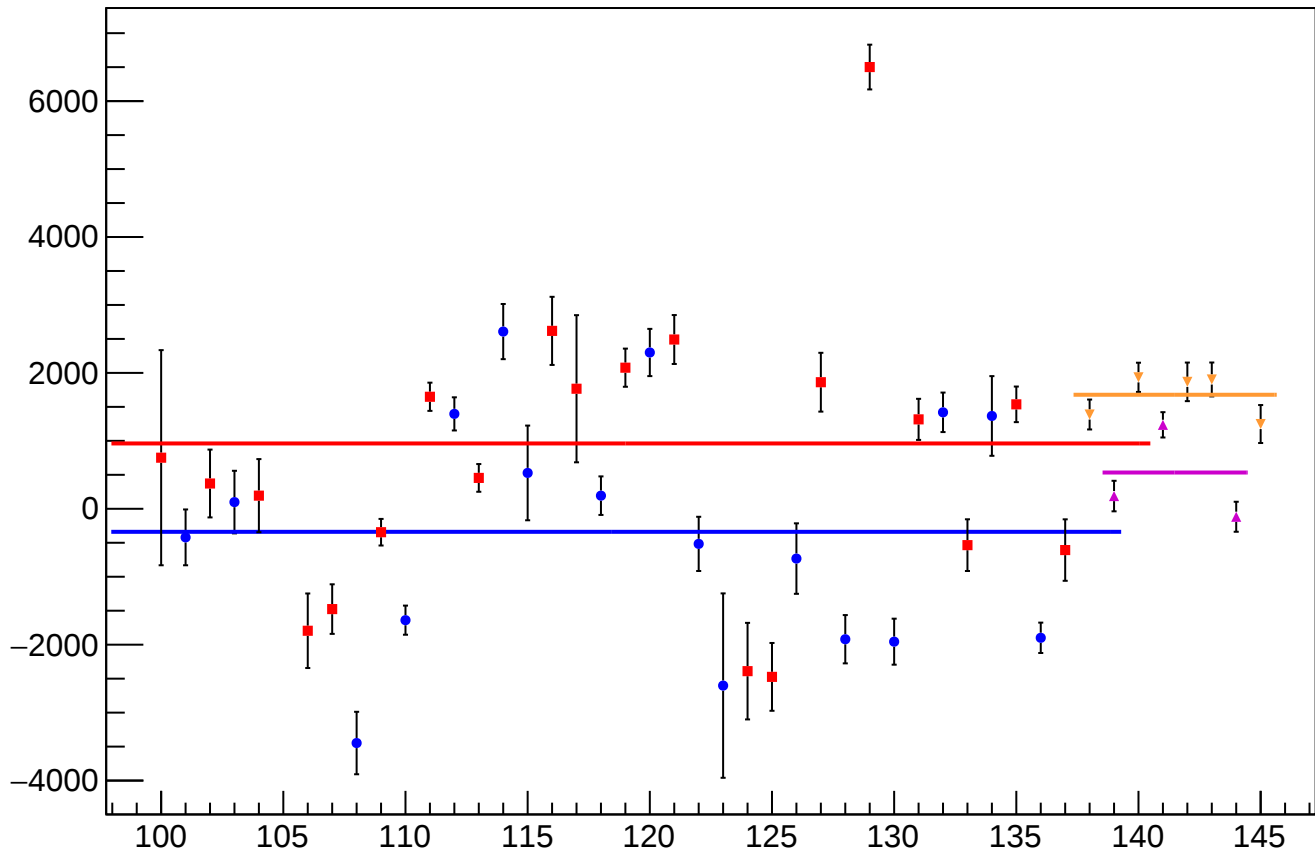
Right Out: 184.990+/-0.052 χ^2/NDF : 1320825.4/19

Left In: 209.933+/-0.097 χ^2/NDF : 20941.8/2

206.685+/-0.048 χ^2/NDF : 1023351.5/21

190.607+/-0.046 χ^2/NDF : 1392897.5/22

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 χ^2/NDF : 389.5/16

Left Out: 1678.312 ± 109.429 χ^2/NDF : 6.8/4

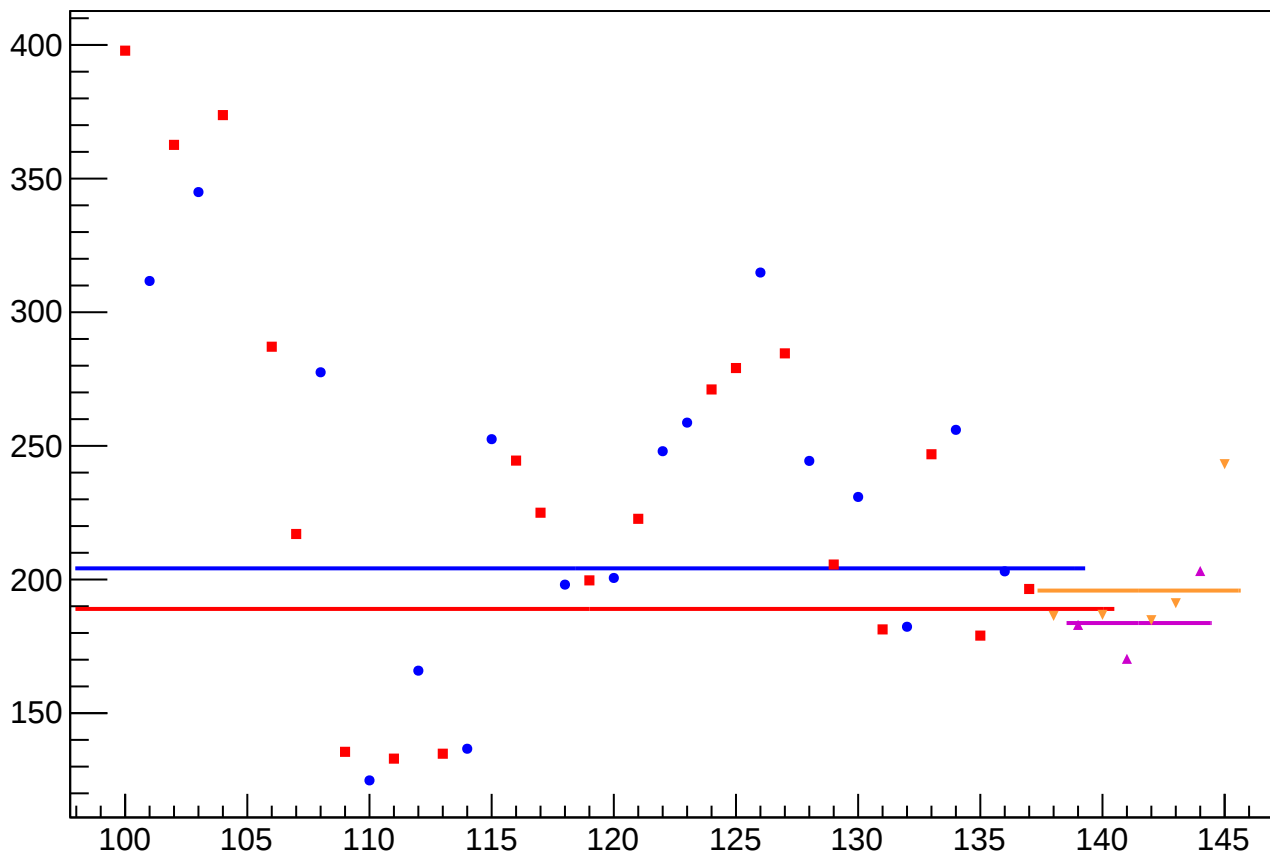
Right Out: 961.556 ± 75.564 χ^2/NDF : 570.9/19

Left In: 533.797 ± 120.261 χ^2/NDF : 25.3/2

399.125 ± 66.192 χ^2/NDF : 611.8/21

840.477 ± 63.982 χ^2/NDF : 605.2/22

asym_bpm0l10WS_rms vs Slug



Right In: 204.175 ± 0.059 χ^2/NDF : 947438.5/16

Left Out: 195.864 ± 0.077 χ^2/NDF : 68296.0/4

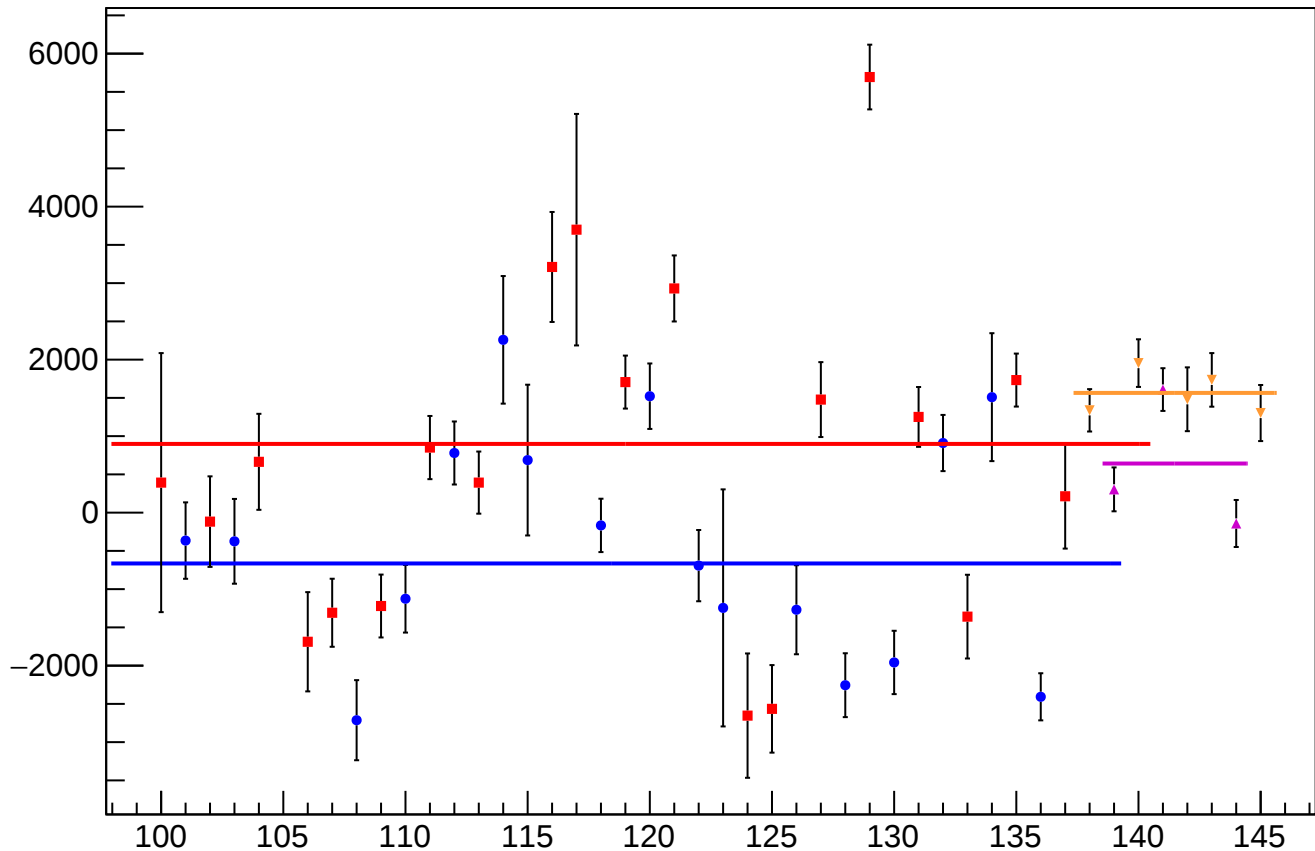
Right Out: 188.997 ± 0.053 χ^2/NDF : 1317112.1/19

Left In: 183.717 ± 0.085 χ^2/NDF : 25888.8/2

201.134 ± 0.047 χ^2/NDF : 1023049.3/21

187.503 ± 0.045 χ^2/NDF : 1345764.5/22

asym_bpm0r03WS_mean vs Slug



Right In: -664.383+/-113.949 χ^2/NDF : 154.3/16

Left Out: 1565.110+/-149.591 χ^2/NDF : 3.0/4

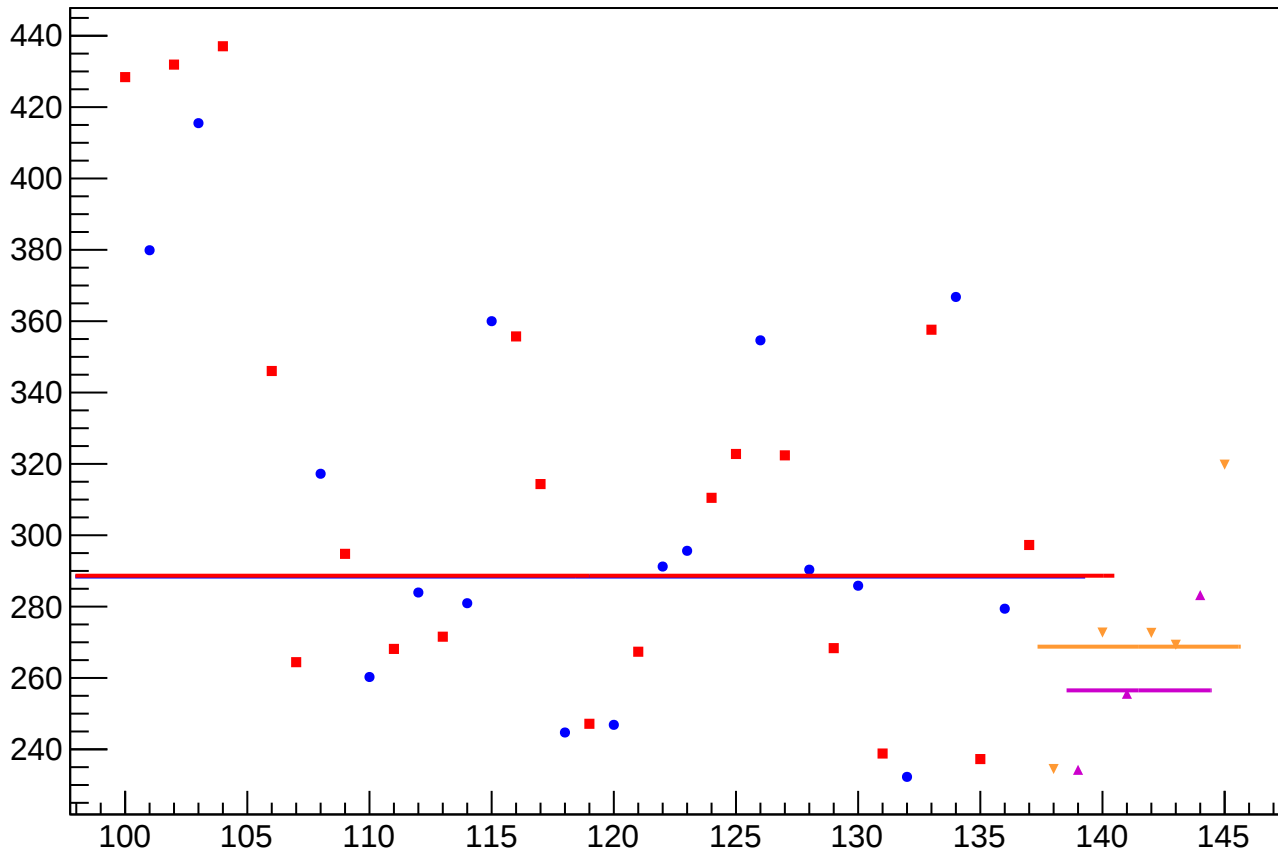
Right Out: 898.290+/-110.578 χ^2/NDF : 323.5/19

Left In: 641.927+/-167.640 χ^2/NDF : 19.9/2

154.253+/-90.646 χ^2/NDF : 297.9/21

820.565+/-92.306 χ^2/NDF : 345.0/22

asym_bpm0r03WS_rms vs Slug



Right In: 288.428+/-0.081 χ^2/NDF : 339820.0/16

Left Out: 268.774+/-0.106 χ^2/NDF : 69889.7/4

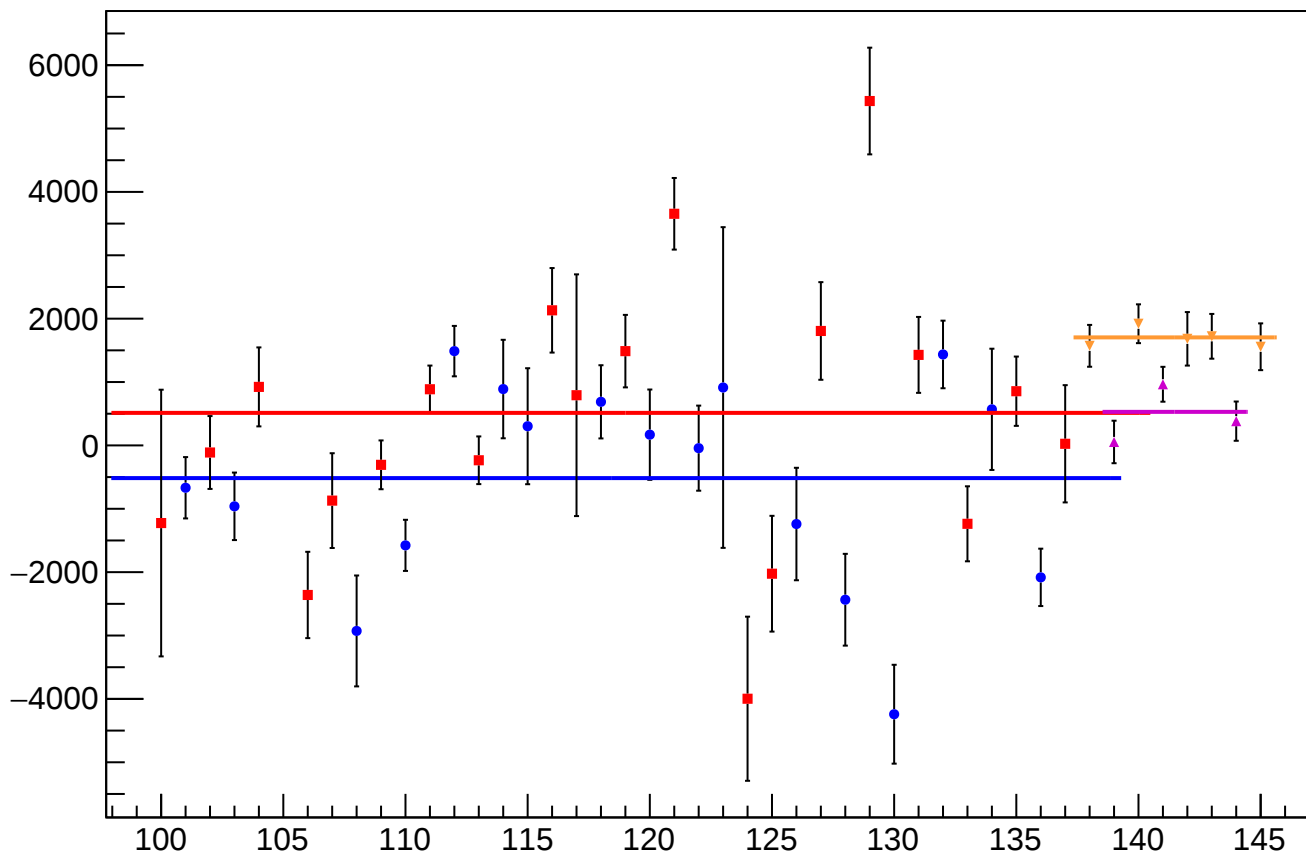
Right Out: 288.660+/-0.078 χ^2/NDF : 455989.7/19

Left In: 256.522+/-0.119 χ^2/NDF : 27189.1/2

281.211+/-0.064 χ^2/NDF : 431558.1/21

278.916+/-0.065 χ^2/NDF : 534397.0/22

asym_bpm0r05WS_mean vs Slug



Right In: -515.894+/-147.326 χ^2/NDF : 108.0/16

Left Out: 1704.384+/-156.560 χ^2/NDF : 0.8/4

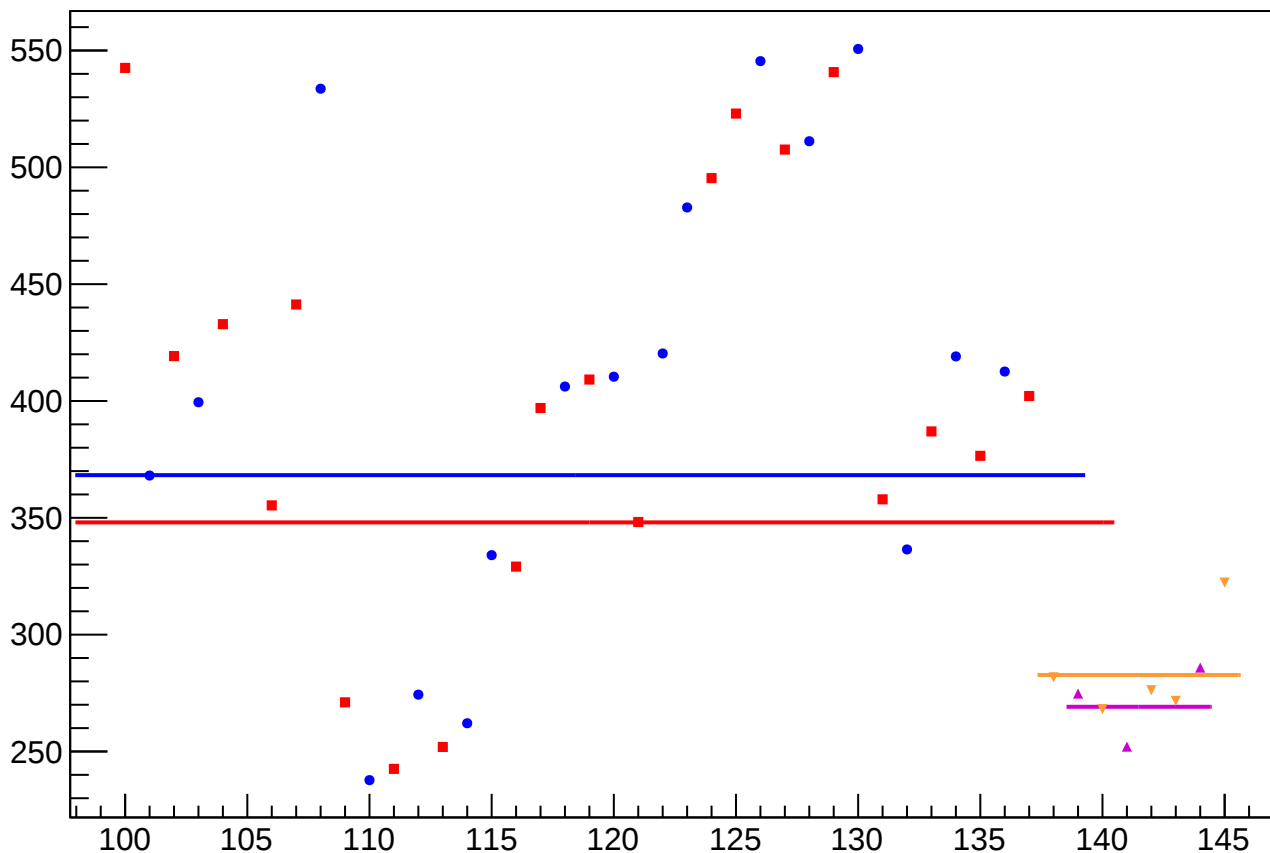
Right Out: 513.264+/-135.456 χ^2/NDF : 141.3/19

Left In: 529.311+/-175.363 χ^2/NDF : 4.7/2

526.840+/-107.291 χ^2/NDF : 215.5/21

519.261+/-107.199 χ^2/NDF : 146.0/22

asym_bpm0r05WS_rms vs Slug



Right In: 368.264+/-0.104 χ^2/NDF : 770116.6/16

Left Out: 282.732+/-0.111 χ^2/NDF :30009.2/4

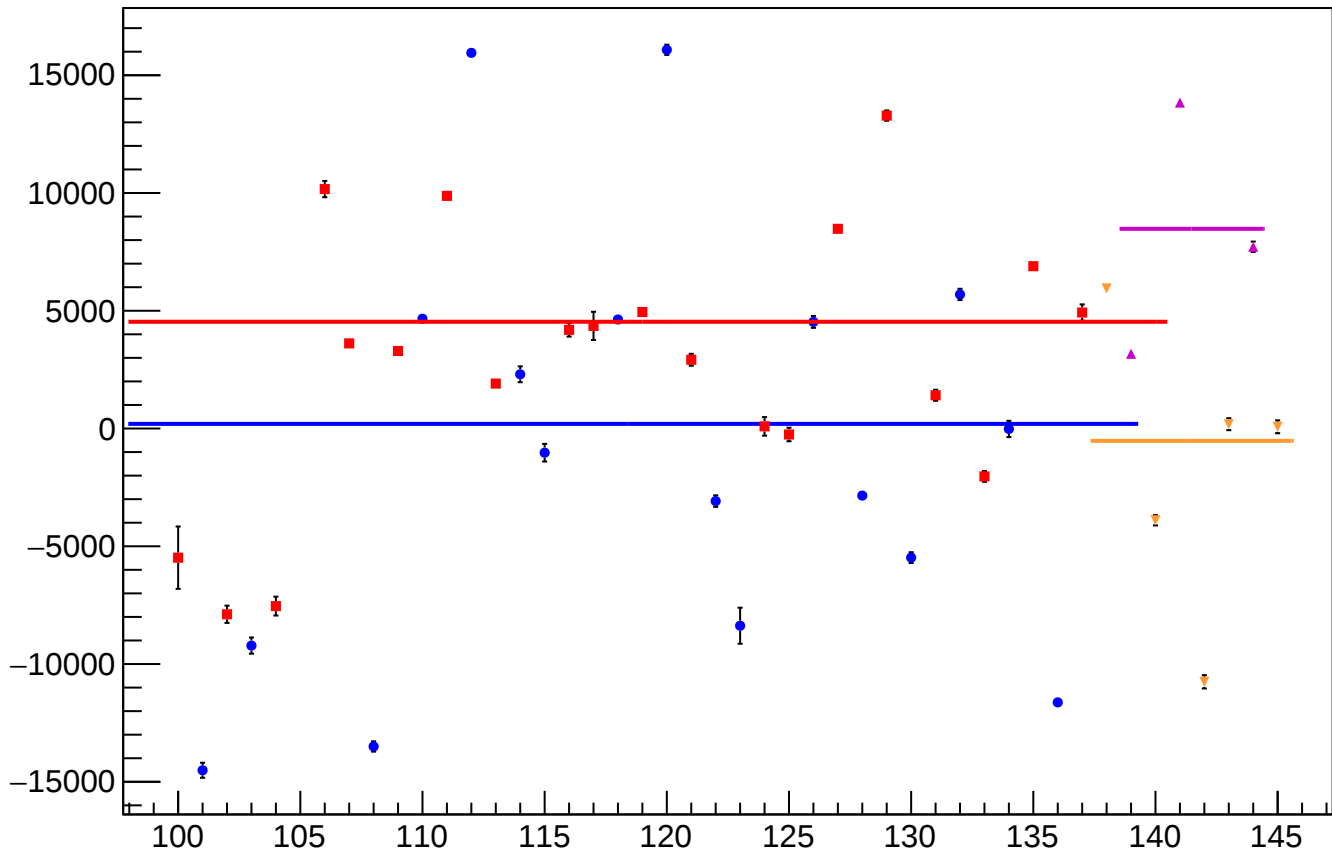
Right Out: 348.050+/-0.096 χ^2/NDF : 823186.4/19

Left In: 269.130+/-0.124 χ^2/NDF :14115.3/2

328.095+/-0.076 χ^2/NDF : 1116713.6/21

318.559+/-0.076 χ^2/NDF : 1091004.7/22

asym_bpm0i02WS_mean vs Slug



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: -523.086+/-105.330 χ^2/NDF : 2720.8/4

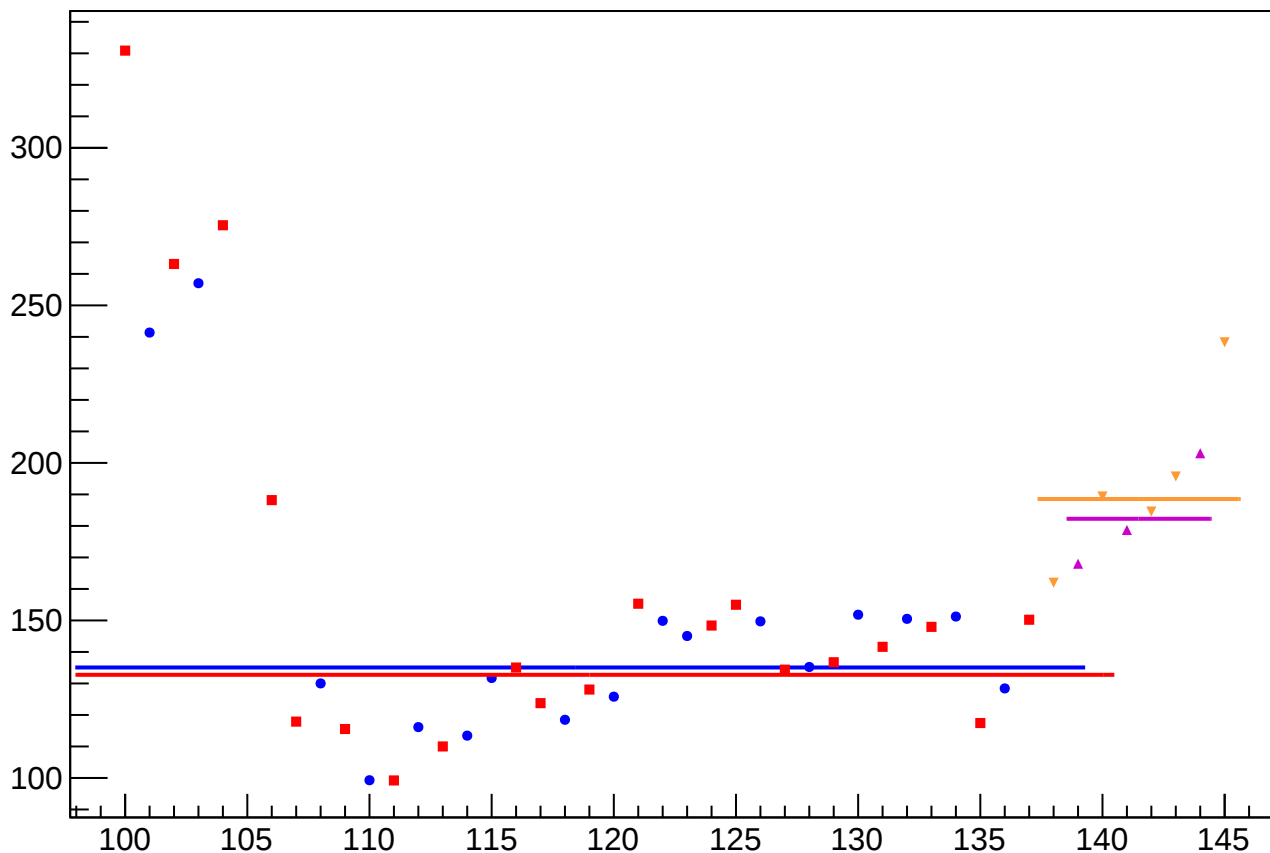
Right Out: 4532.856+/-52.261 χ^2/NDF : 7477.3/19

Left In: 8479.074+/-119.328 χ^2/NDF : 1425.3/2

43.620+/-48.613 χ^2/NDF : 33415.9/21

5167.961+/-47.871 χ^2/NDF : 9820.3/22

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 ± 0.039 χ^2/NDF : 658703.5/16

Left Out: 188.548 ± 0.074 χ^2/NDF : 106995.0/4

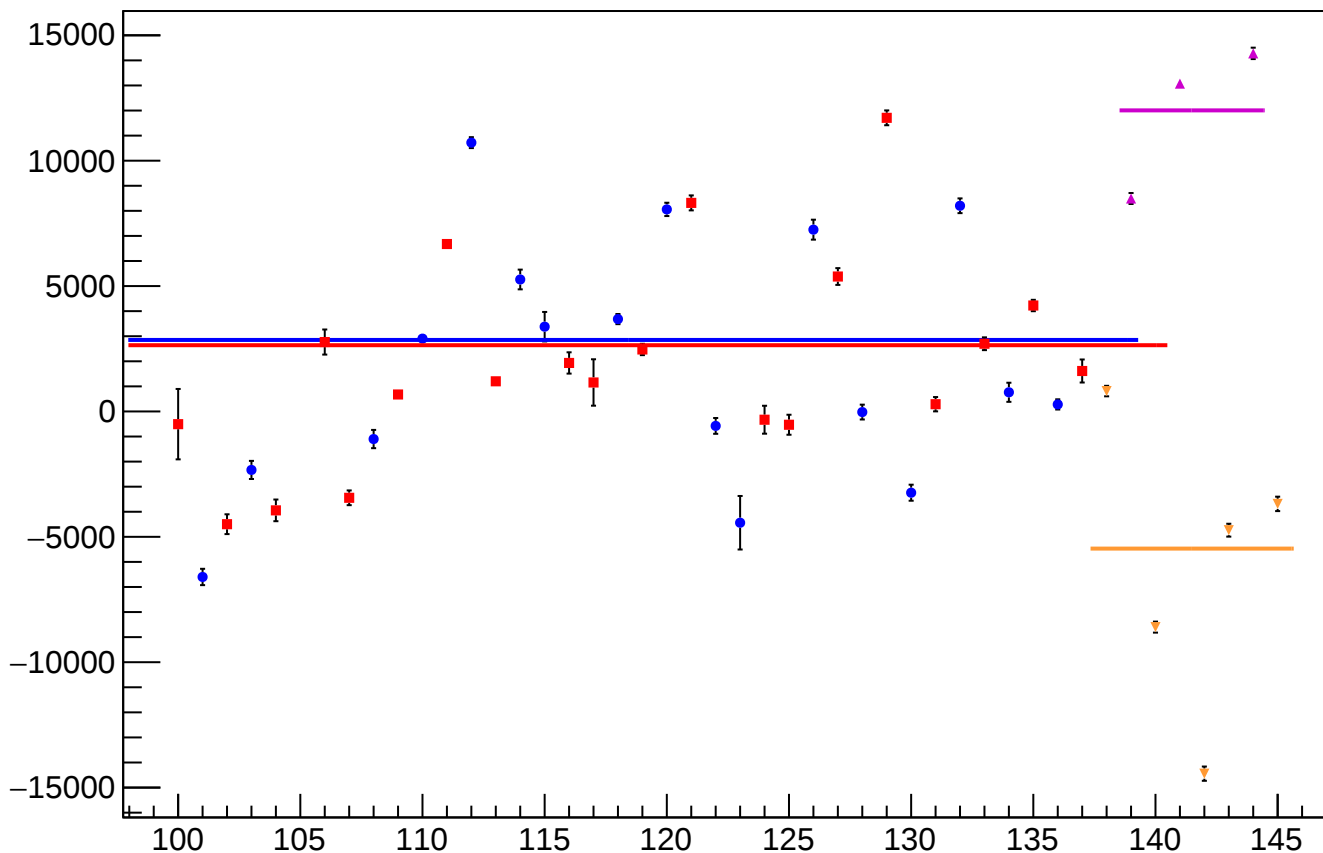
Right Out: 132.747 ± 0.037 χ^2/NDF : 831647.2/19

Left In: 182.265 ± 0.084 χ^2/NDF : 28018.7/2

146.463 ± 0.034 χ^2/NDF : 1171411.1/21

140.717 ± 0.034 χ^2/NDF : 1148645.3/22

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437 $\pm$ 70.753 χ^2 /NDF: 4178.1/16

Left Out: -5469.215 $\pm$ 109.726 χ^2 /NDF:2144.5/4

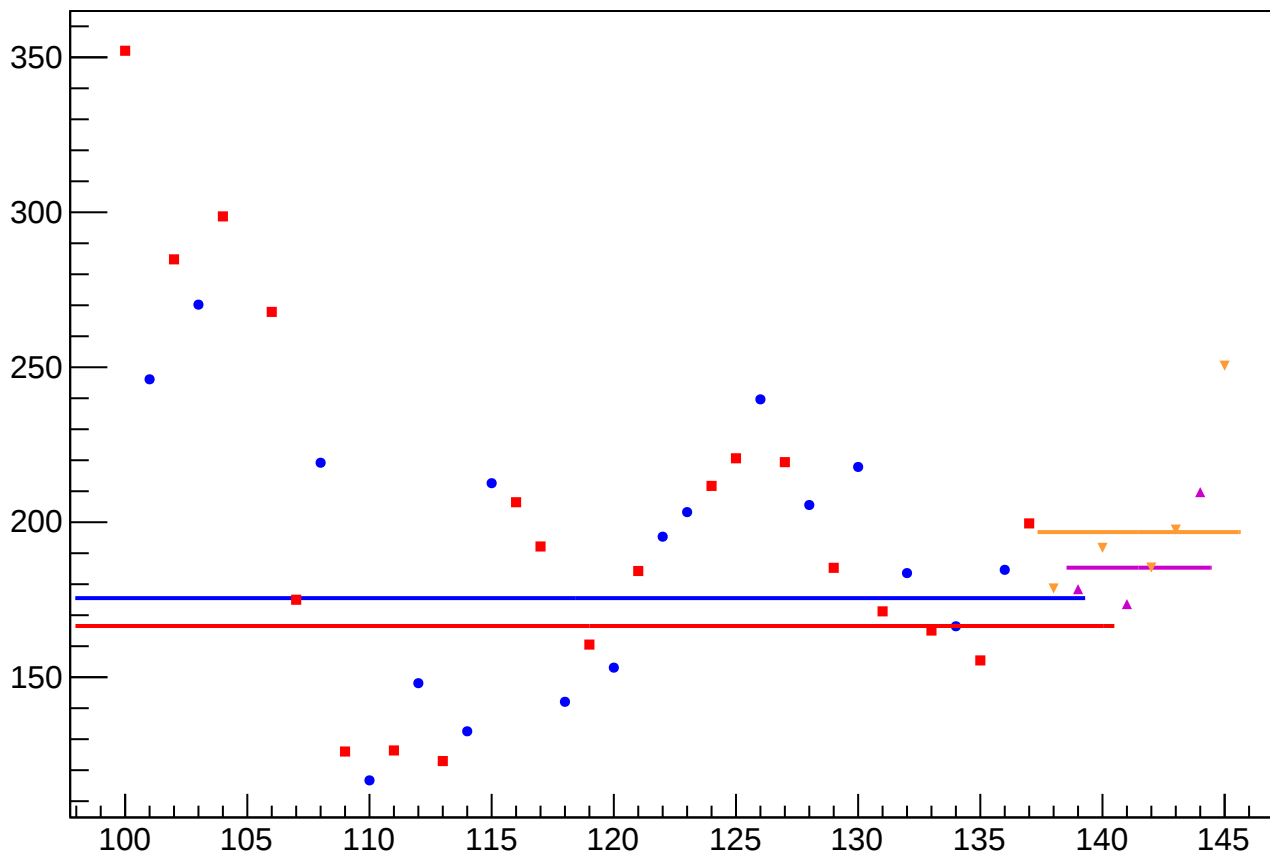
Right Out: 2641.642 $\pm$ 65.566 χ^2 /NDF: 3178.3/19

Left In: 12006.300 $\pm$ 121.239 χ^2 /NDF:390.0/2

407.823 $\pm$ 59.463 χ^2 /NDF: 10384.3/21

4760.688 $\pm$ 57.672 χ^2 /NDF: 8184.4/22

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 ± 0.050 χ^2/NDF : 689642.3/16

Left Out: 196.822 ± 0.078 χ^2/NDF : 89099.5/4

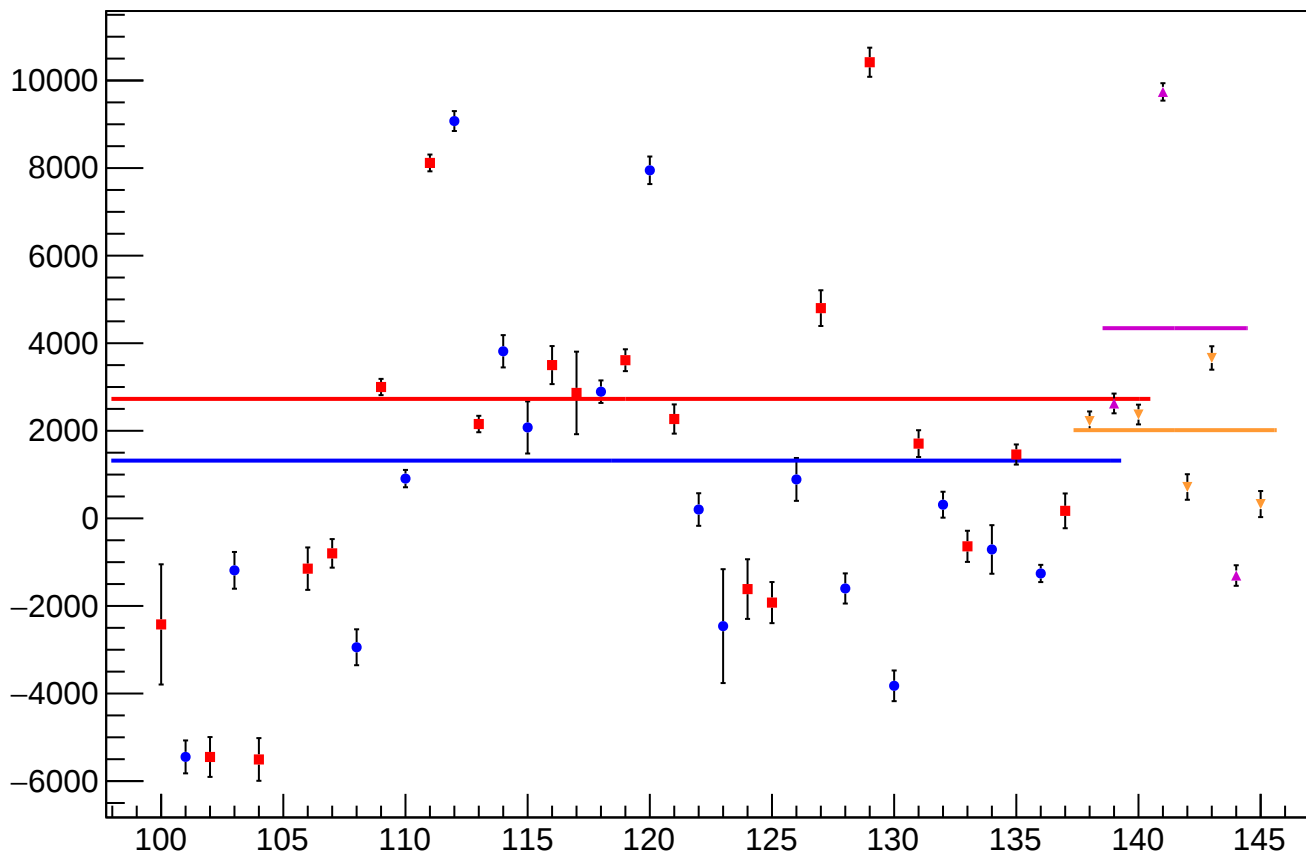
Right Out: 166.522 ± 0.046 χ^2/NDF : 931079.9/19

Left In: 185.335 ± 0.086 χ^2/NDF : 32624.5/2

181.772 ± 0.042 χ^2/NDF : 832013.6/21

170.779 ± 0.041 χ^2/NDF : 1000961.8/22

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009 ± 77.146 $\chi^2/\text{NDF}: 2667.0/16$

Left Out: 2014.564 ± 113.790 $\chi^2/\text{NDF}: 93.2/4$

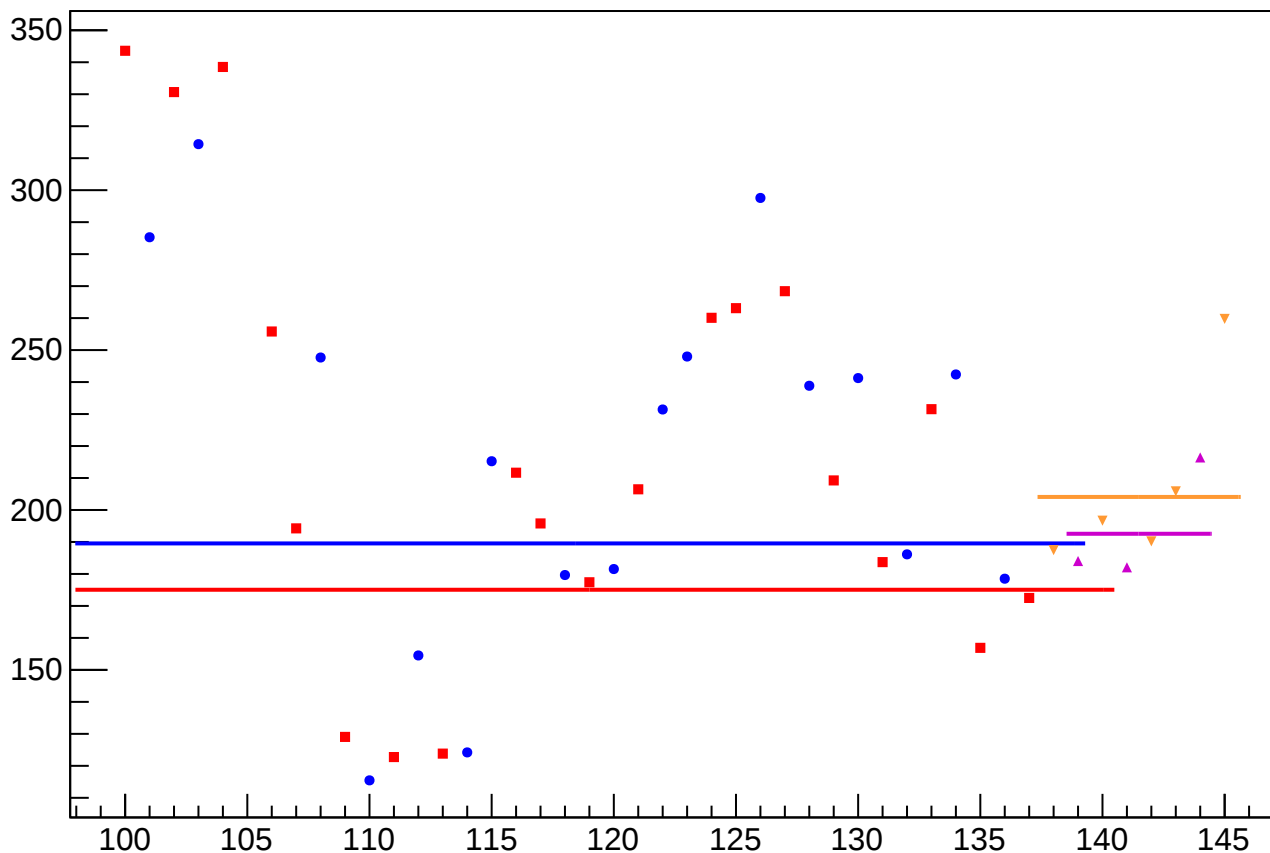
Right Out: 2728.550 ± 69.837 $\chi^2/\text{NDF}: 2495.9/19$

Left In: 4343.484 ± 125.923 $\chi^2/\text{NDF}: 1371.6/2$

1538.037 ± 63.854 $\chi^2/\text{NDF}: 2785.8/21$

3108.426 ± 61.073 $\chi^2/\text{NDF}: 3993.3/22$

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 ± 0.055 χ^2/NDF : 980744.6/16

Left Out: 204.080 ± 0.080 χ^2/NDF : 88061.7/4

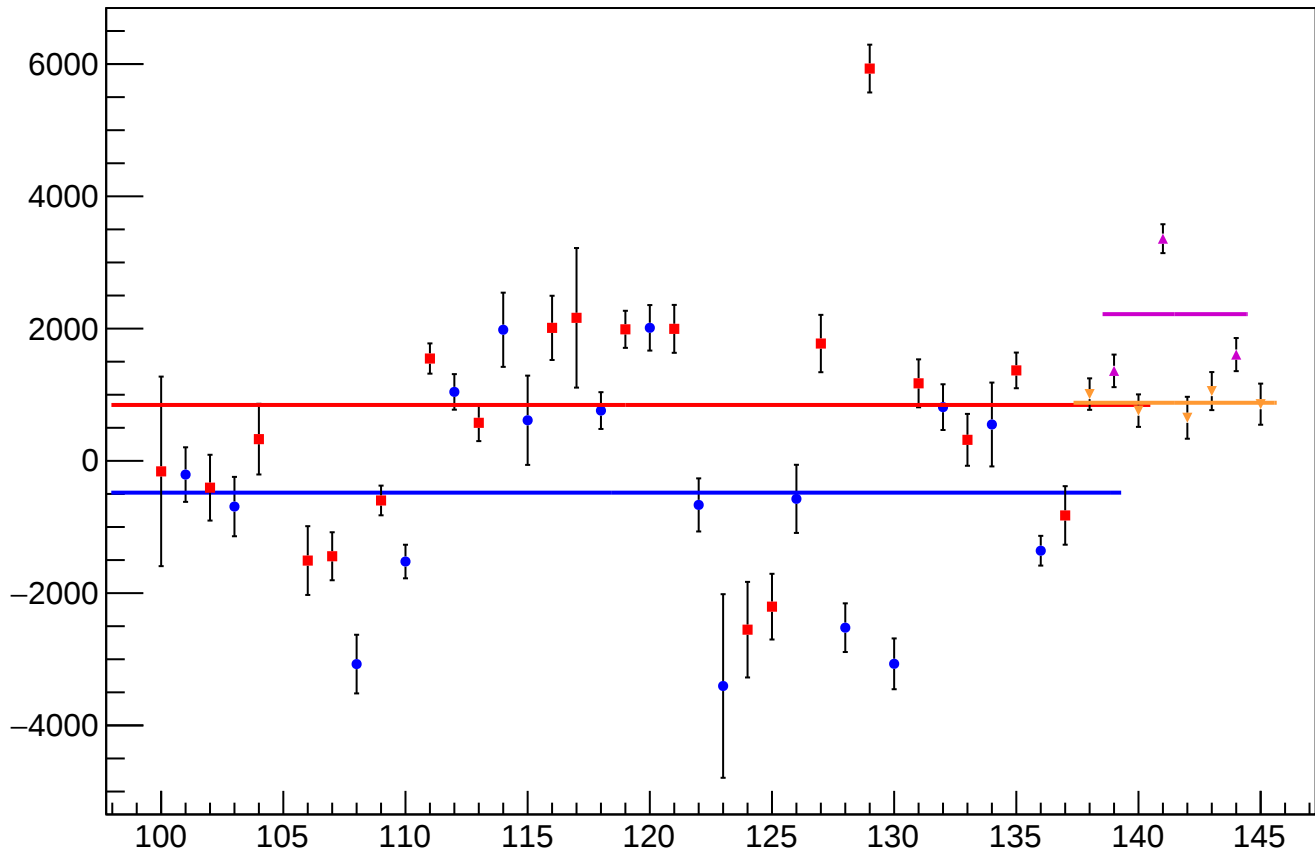
Right Out: 175.058 ± 0.049 χ^2/NDF : 1298079.7/19

Left In: 192.562 ± 0.089 χ^2/NDF : 29059.4/2

194.122 ± 0.045 χ^2/NDF : 1091162.9/21

179.176 ± 0.043 χ^2/NDF : 1356693.8/22

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 878.528 ± 122.546 χ^2/NDF : 1.4/4

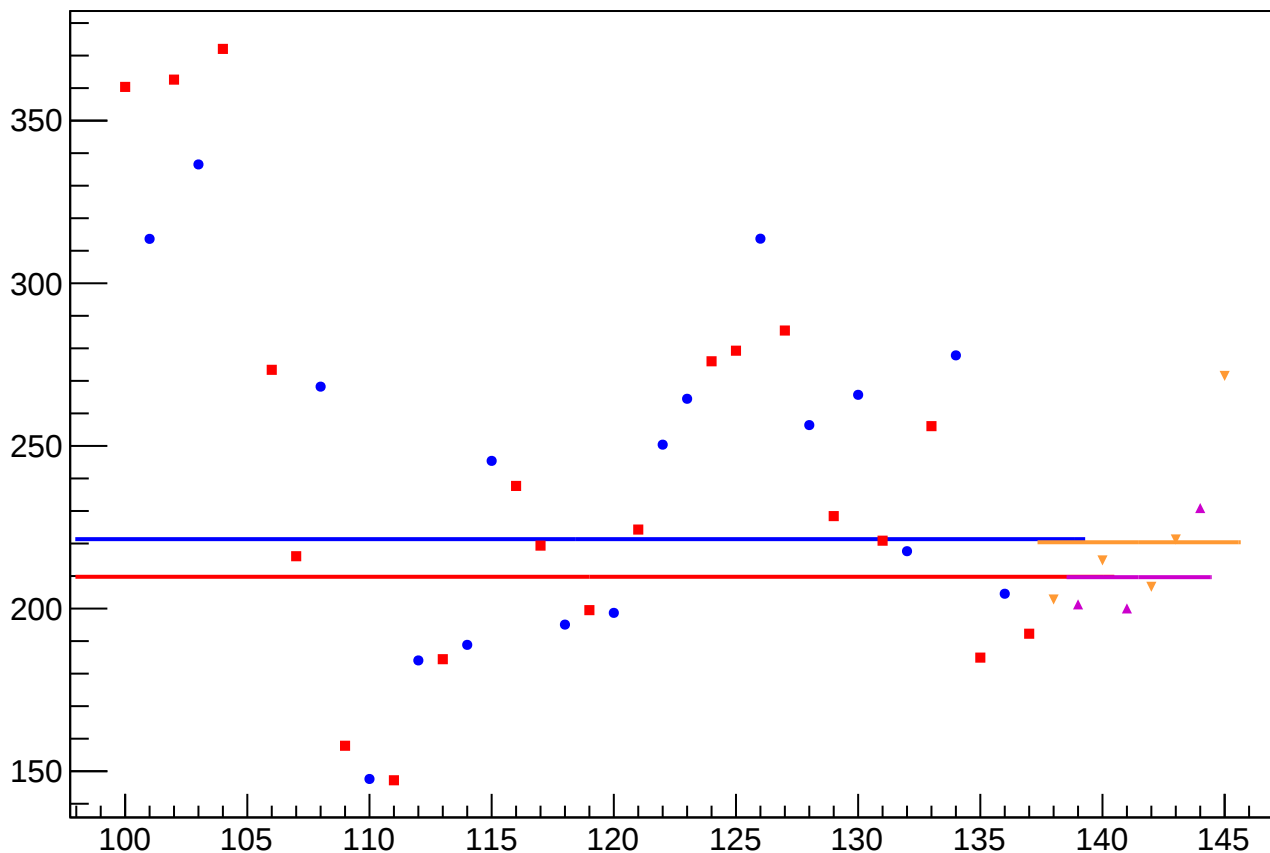
Right Out: 845.444 ± 81.995 χ^2/NDF : 436.9/19

Left In: 2218.625 ± 136.845 χ^2/NDF : 45.4/2

-13.746 ± 71.821 χ^2/NDF : 372.9/21

1208.199 ± 70.335 χ^2/NDF : 556.3/22

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 ± 0.063 χ^2/NDF : 645688.1/16

Left Out: 220.386 ± 0.087 χ^2/NDF : 69801.2/4

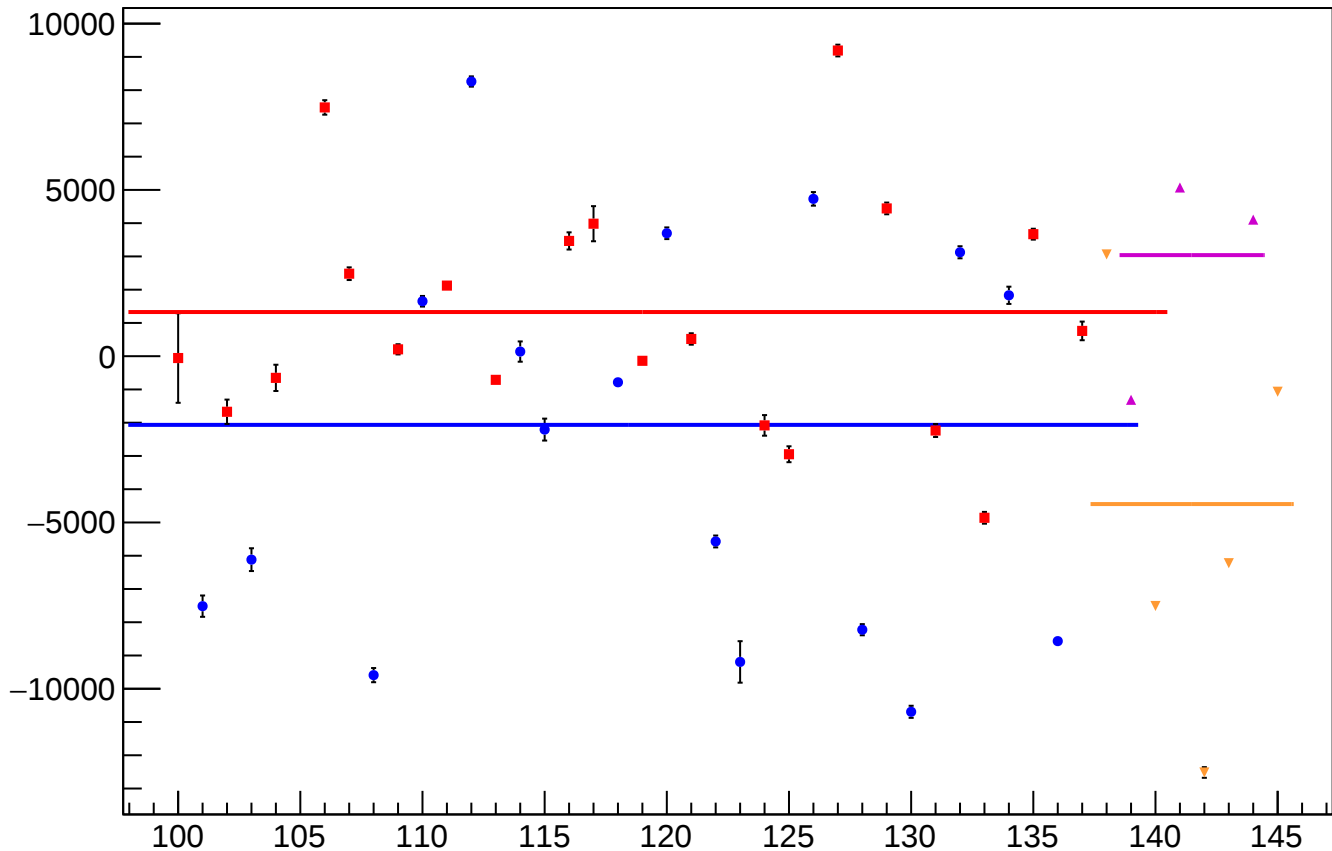
Right Out: 209.775 ± 0.058 χ^2/NDF : 884083.7/19

Left In: 209.656 ± 0.097 χ^2/NDF : 20582.7/2

221.014 ± 0.051 χ^2/NDF : 715569.2/21

209.743 ± 0.050 χ^2/NDF : 904667.5/22

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 χ^2/NDF : 16533.3/16

Left Out: -4446.304 ± 61.070 χ^2/NDF : 7225.2/4

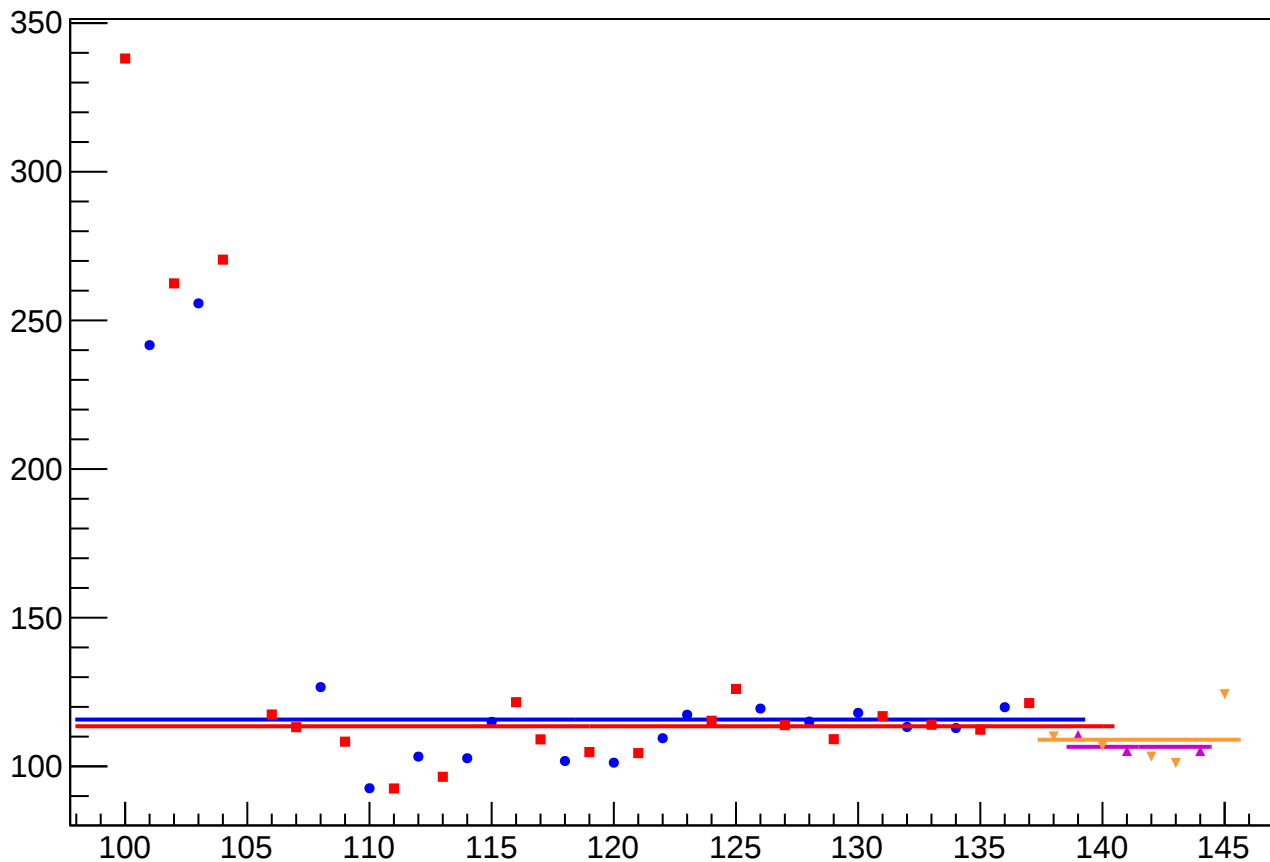
Right Out: 1327.819 ± 44.838 χ^2/NDF : 5919.9/19

Left In: 3039.308 ± 70.162 χ^2/NDF : 1402.6/2

-2958.494 ± 37.406 χ^2/NDF : 24708.3/21

1824.111 ± 37.782 χ^2/NDF : 7744.9/22

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 ± 0.033 χ^2/NDF : 744017.7/16

Left Out: 108.958 ± 0.043 χ^2/NDF : 32745.3/4

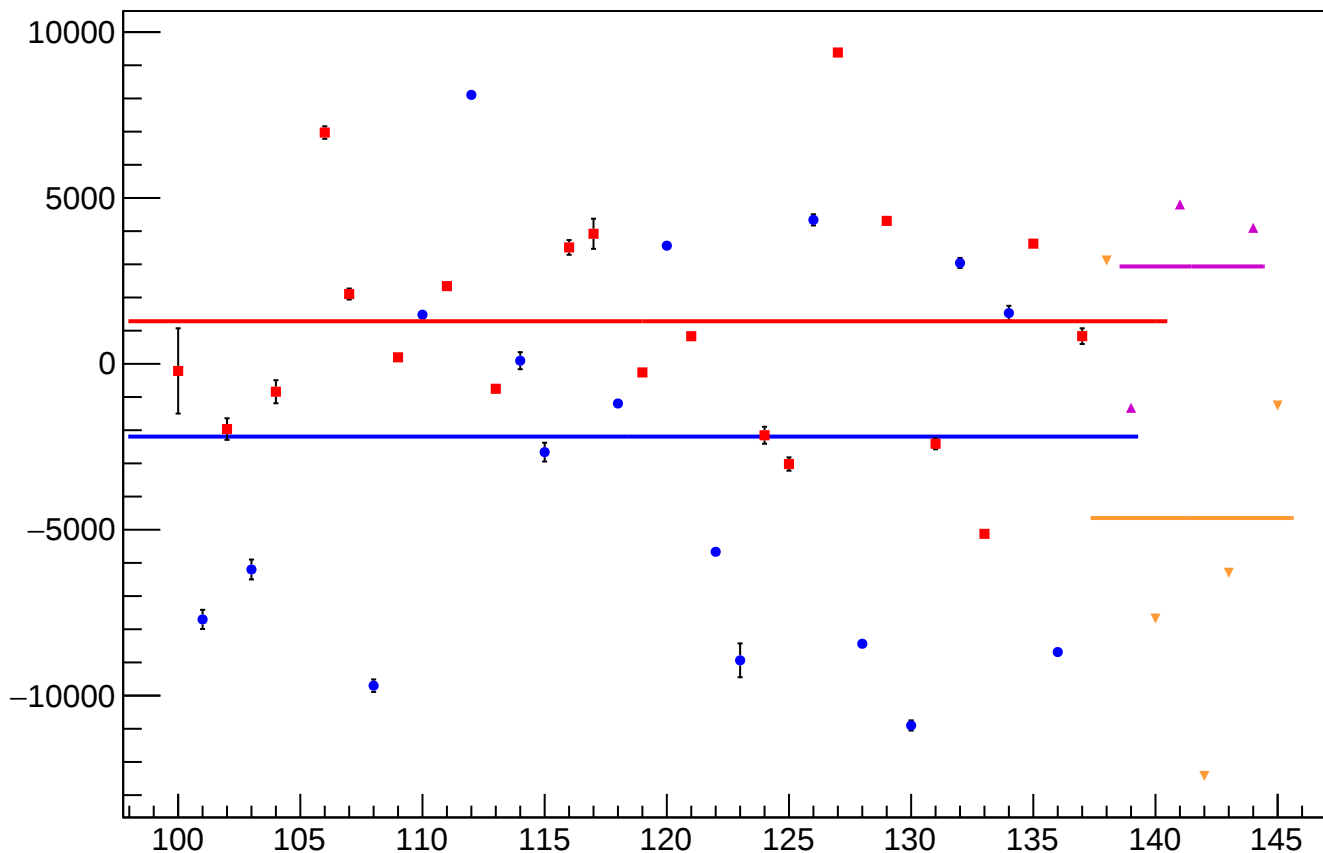
Right Out: 113.487 ± 0.032 χ^2/NDF : 796781.7/19

Left In: 106.564 ± 0.050 χ^2/NDF : 2278.6/2

113.196 ± 0.026 χ^2/NDF : 792176.0/21

111.479 ± 0.027 χ^2/NDF : 812886.3/22

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327 ± 39.944 χ^2/NDF : 22813.5/16

Left Out: -4647.081 ± 56.279 χ^2/NDF : 8575.0/4

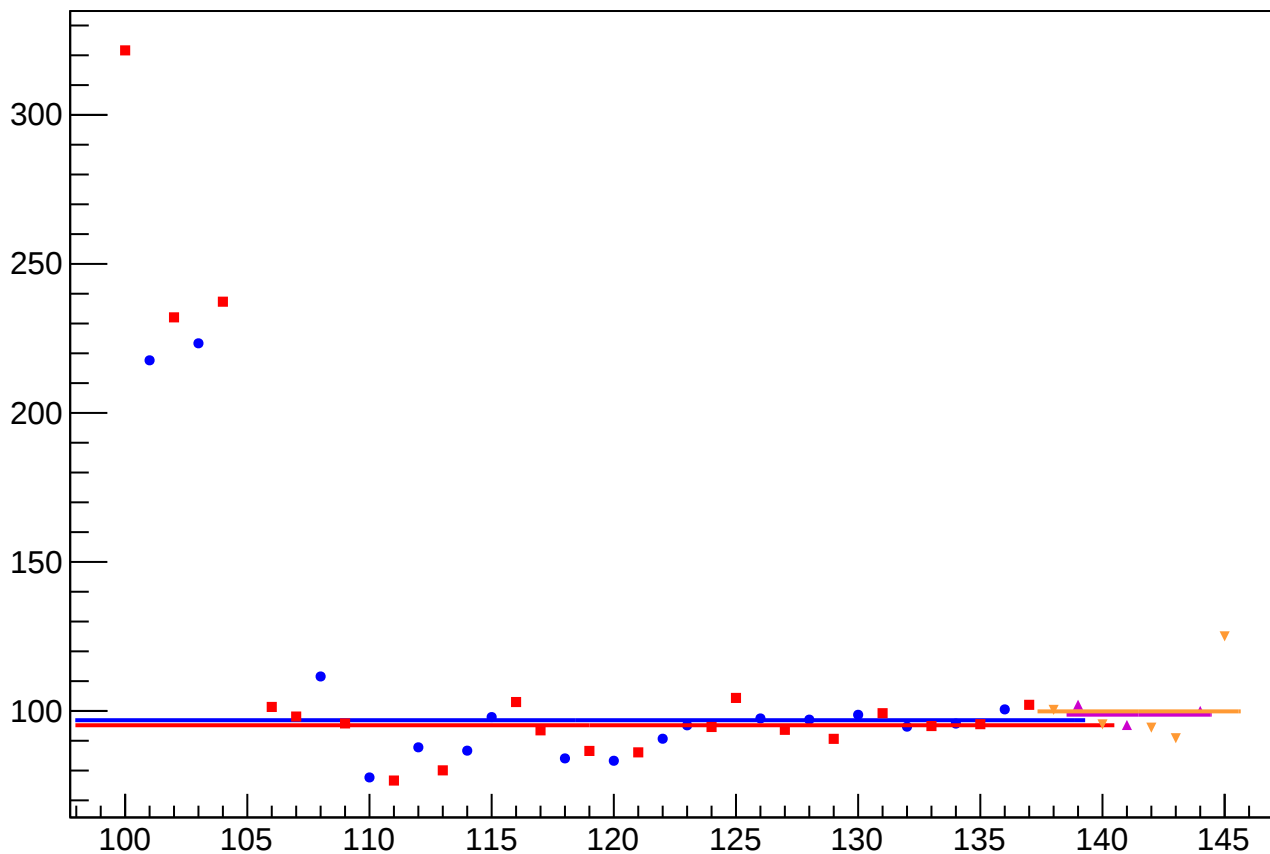
Right Out: 1284.692 ± 37.915 χ^2/NDF : 8584.4/19

Left In: 2936.084 ± 65.155 χ^2/NDF : 1559.4/2

-3014.649 ± 32.573 χ^2/NDF : 32653.7/21

1702.446 ± 32.770 χ^2/NDF : 10623.7/22

asym_bpm1i04WS_rms vs Slug



Right In: 96.894+/-0.028 χ^2/NDF : 817229.9/16

Left Out: 99.856+/-0.040 χ^2/NDF : 77684.0/4

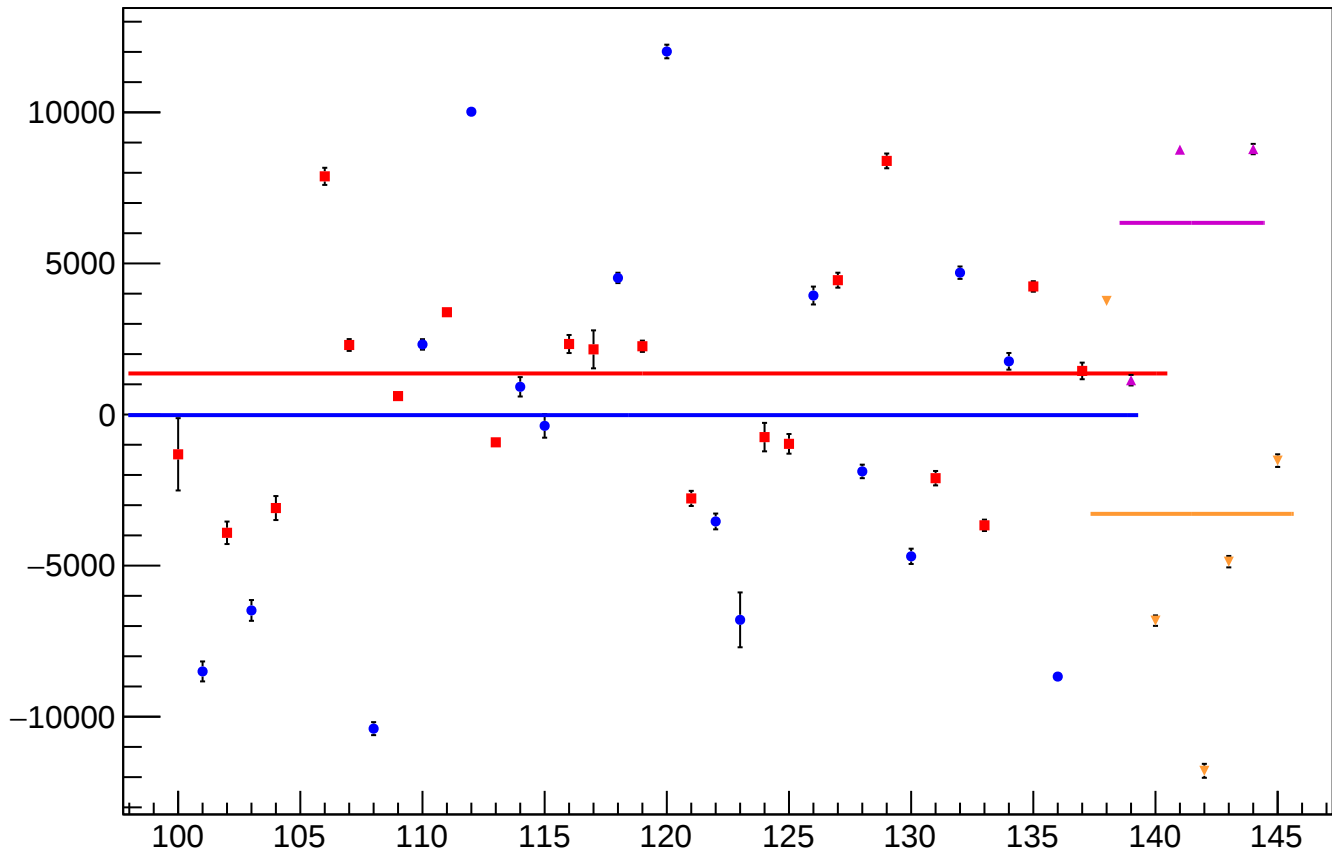
Right Out: 95.201+/-0.027 χ^2/NDF : 859838.2/19

Left In: 98.752+/-0.046 χ^2/NDF : 3816.5/2

97.886+/-0.023 χ^2/NDF : 898597.7/21

96.100+/-0.023 χ^2/NDF : 868090.6/22

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 $\chi^2/\text{NDF}: 16361.0/16$

Left Out: -3287.005 ± 83.720 $\chi^2/\text{NDF}: 3895.2/4$

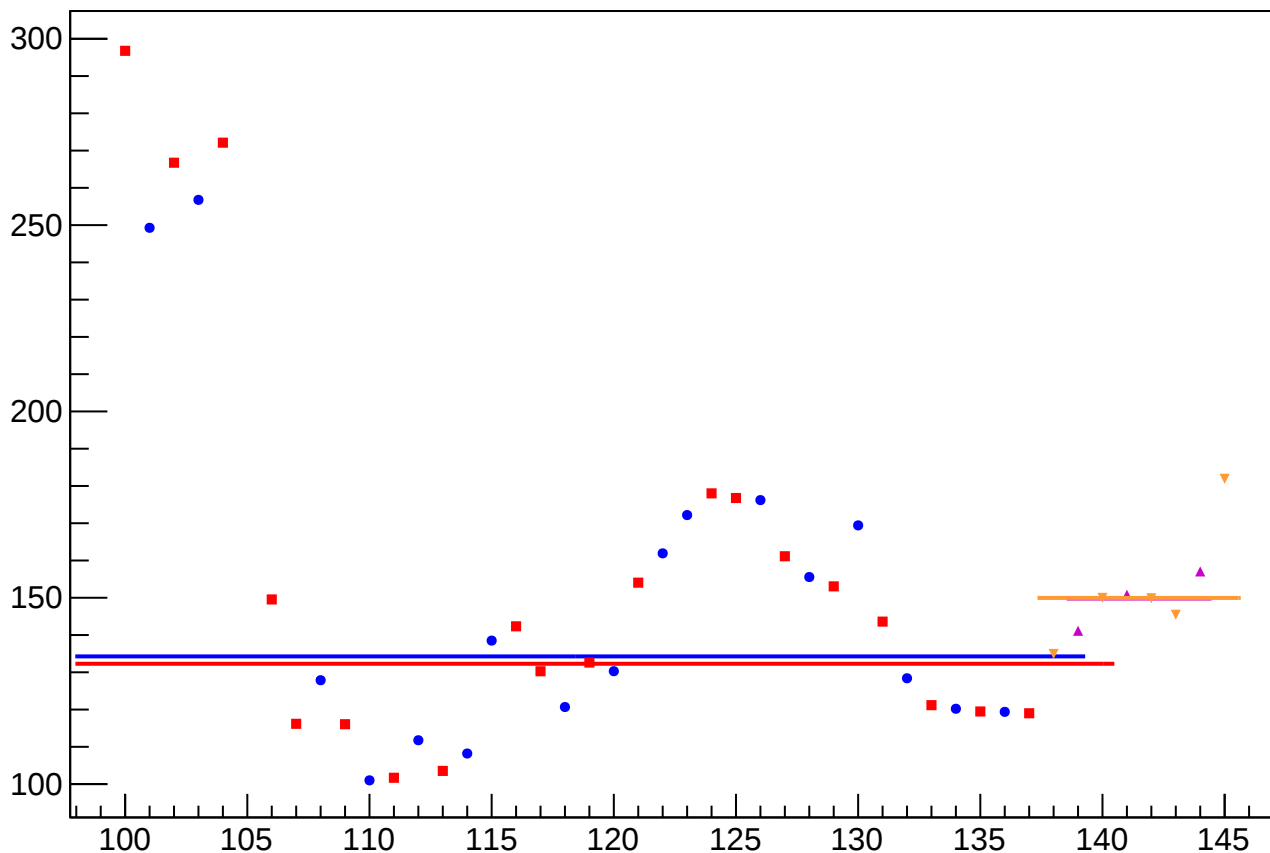
Right Out: 1359.001 ± 52.186 $\chi^2/\text{NDF}: 3838.8/19$

Left In: 6343.116 ± 98.131 $\chi^2/\text{NDF}: 1315.0/2$

-995.977 ± 45.759 $\chi^2/\text{NDF}: 21324.1/21$

2457.804 ± 46.076 $\chi^2/\text{NDF}: 7164.7/22$

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 $\pm$ 0.039 χ^2/NDF : 788647.0/16

Left Out: 149.958 $\pm$ 0.059 χ^2/NDF : 65723.8/4

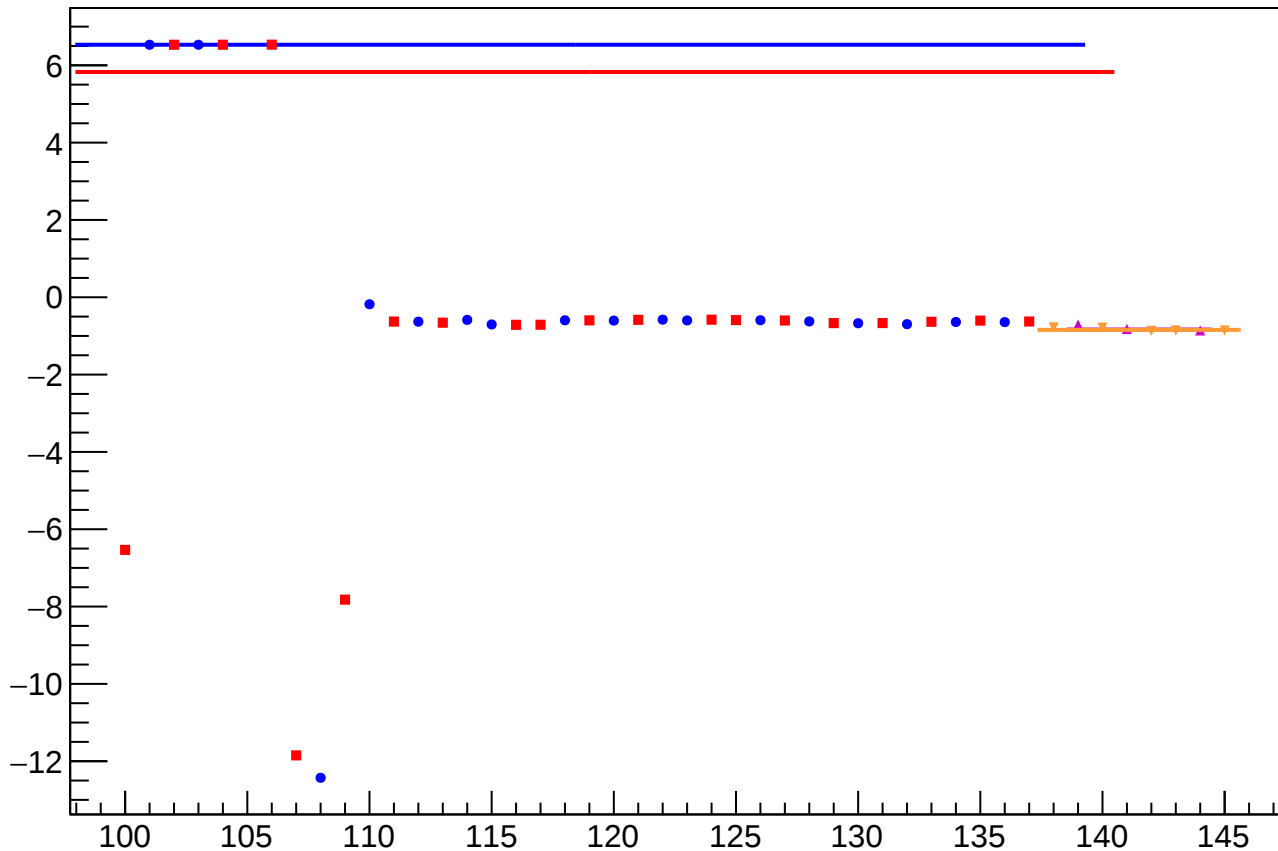
Right Out: 132.288 $\pm$ 0.037 χ^2/NDF : 869913.4/19

Left In: 149.793 $\pm$ 0.069 χ^2/NDF : 8642.8/2

138.955 $\pm$ 0.032 χ^2/NDF : 903634.8/21

136.147 $\pm$ 0.033 χ^2/NDF : 928164.4/22

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127906780672.7/16

Left Out: -0.843 $\pm$ 0.000 χ^2 /NDF: 3112970.0/4

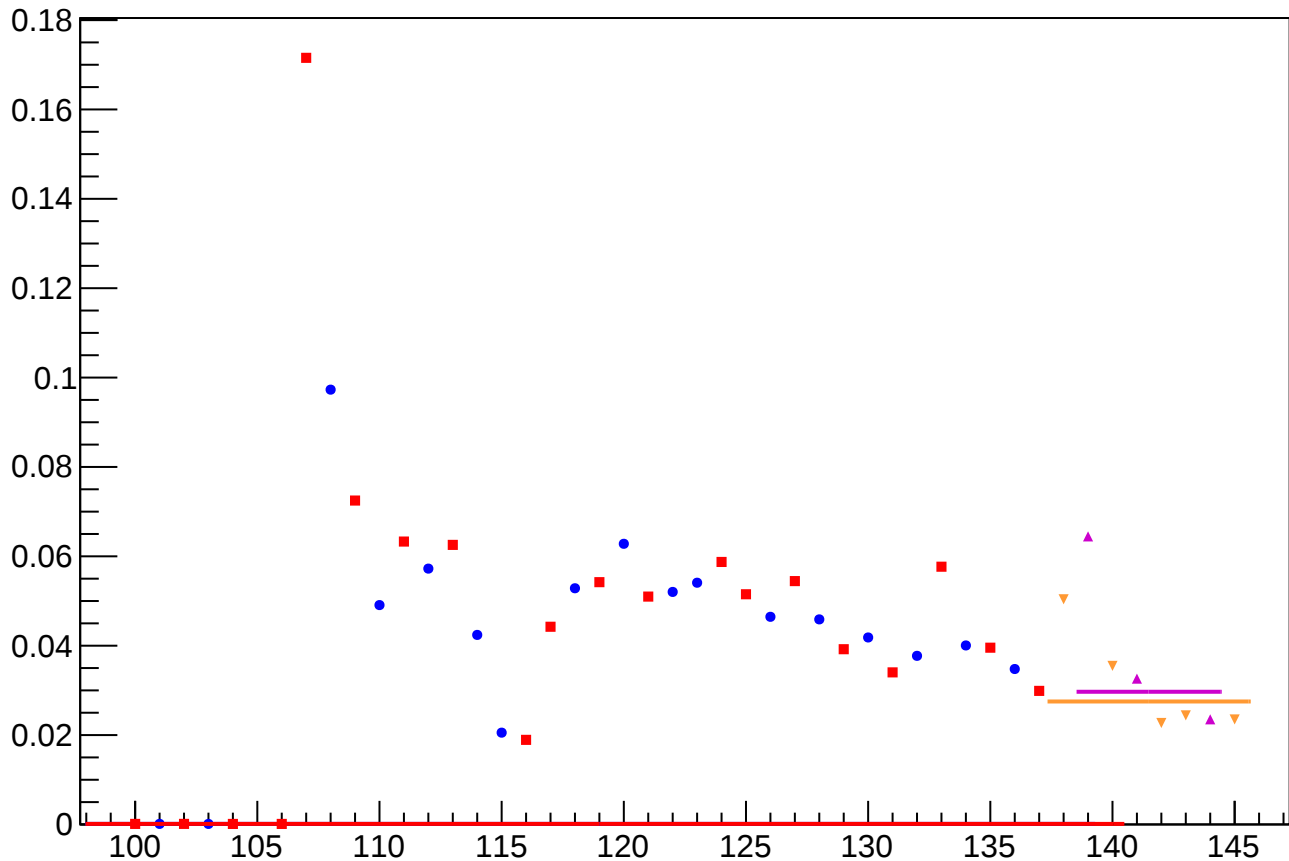
6.531 $\pm$ 0.000 χ^2 /NDF: 286882242550.4/21

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755949520765363.8/19

5.827 $\pm$ 0.000 χ^2 /NDF: 756030603513199.8/22

Left In: -0.834 $\pm$ 0.000 χ^2 /NDF: 3350375.9/2

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.028+/-0.000 χ^2/NDF : 376211.2/4

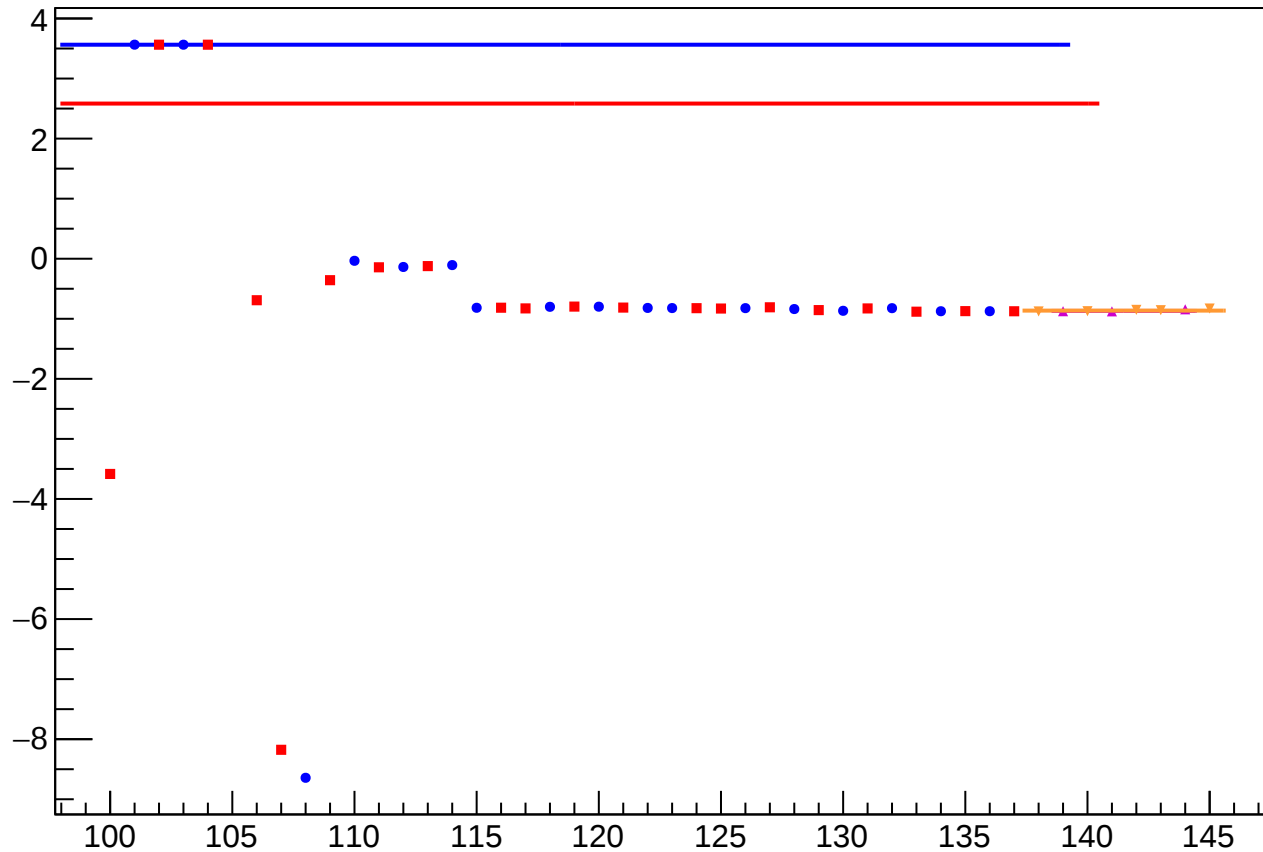
Right Out: 0.000+/-0.000 χ^2/NDF : 9453181.1/19

Left In: 0.030+/-0.000 χ^2/NDF : 476856.1/2

0.000+/-0.000 χ^2/NDF : 13791220.1/21

0.000+/-0.000 χ^2/NDF : 13124732.0/22

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.864+/-0.000 χ^2/NDF : 11512048.4/4

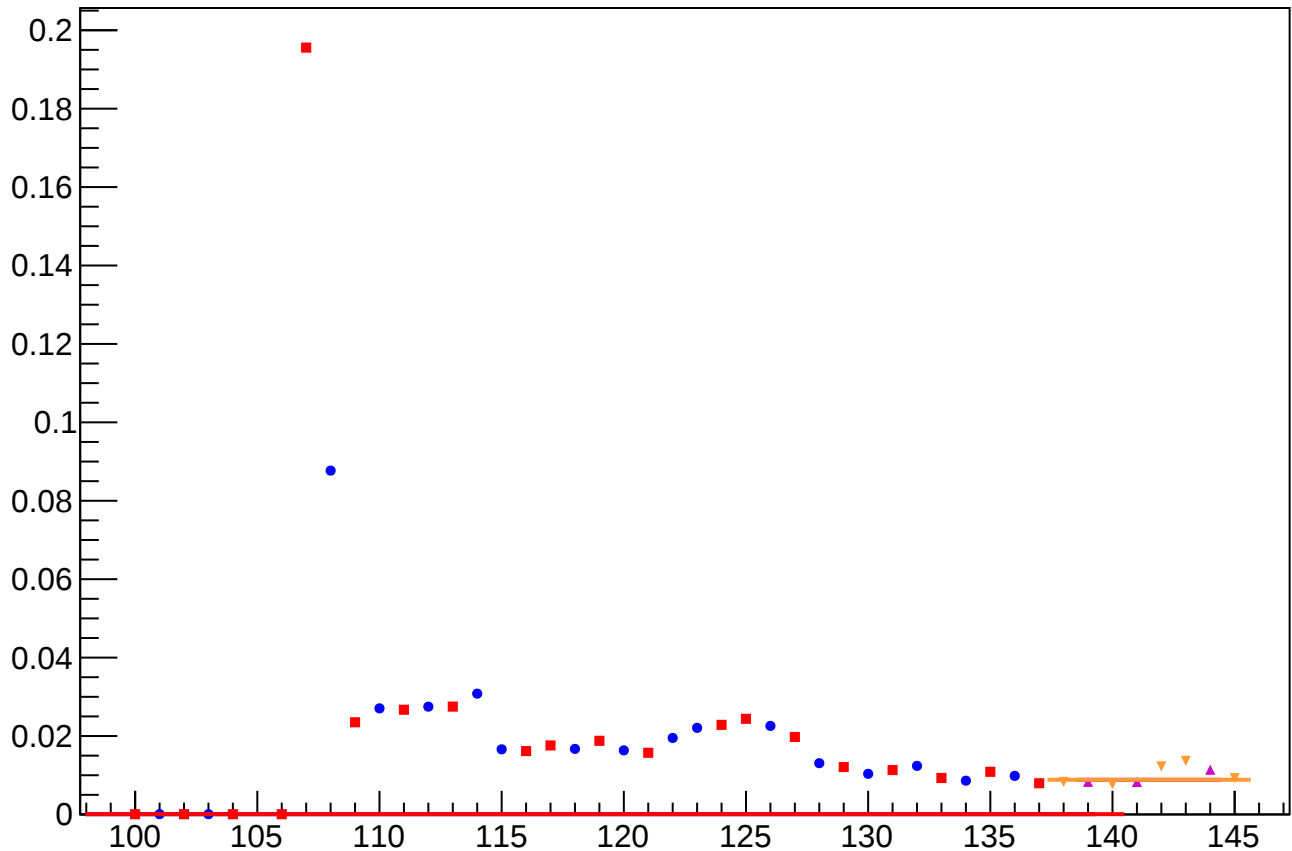
3.563+/-0.000 χ^2/NDF : 1149899121613.5/21

Right Out: 2.583+/-0.000 χ^2/NDF : 1253506756008351.0/19

2.583+/-0.000 χ^2/NDF : 1253814285822305.2/2

Left In: -0.870+/-0.000 χ^2/NDF : 4001922.0/2

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9848258.0/16

Left Out: 0.009+/-0.000 χ^2/NDF :190887.3/4

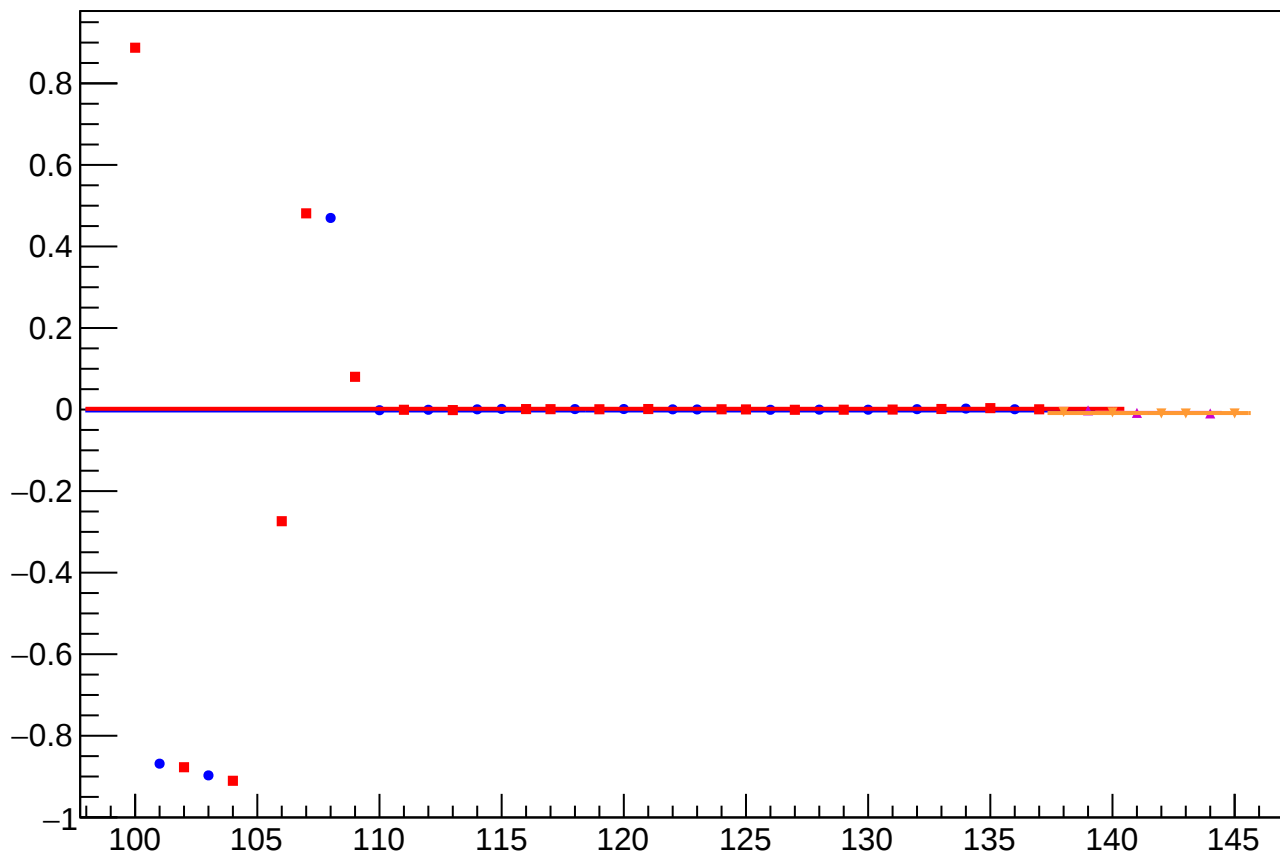
Right Out: 0.000+/-0.000 χ^2/NDF : 9955781.5/19

Left In: 0.009+/-0.000 χ^2/NDF :70566.4/2

0.000+/-0.000 χ^2/NDF : 15257049.5/21

0.000+/-0.000 χ^2/NDF : 13986515.7/22

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9795424036.3/16

Left Out: -0.009+/-0.000 χ^2/NDF : 2550368.8/4

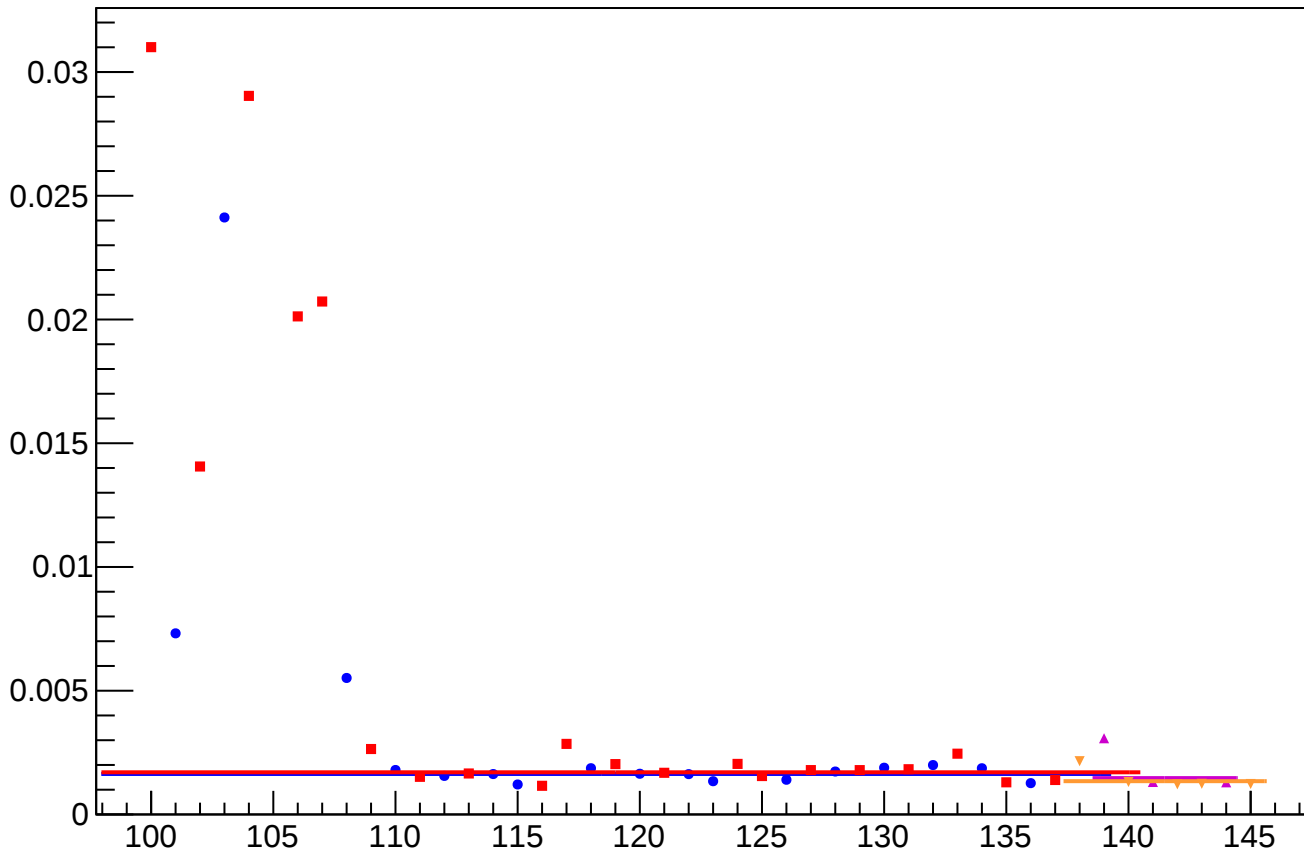
Right Out: 0.002+/-0.000 χ^2/NDF : 3041335141.0/19

Left In: -0.008+/-0.000 χ^2/NDF : 3363279.1/2

-0.005+/-0.000 χ^2/NDF : 9826357604.4/21

-0.002+/-0.000 χ^2/NDF : 3097045260.1/22

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1919127.9/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:189626.9/4

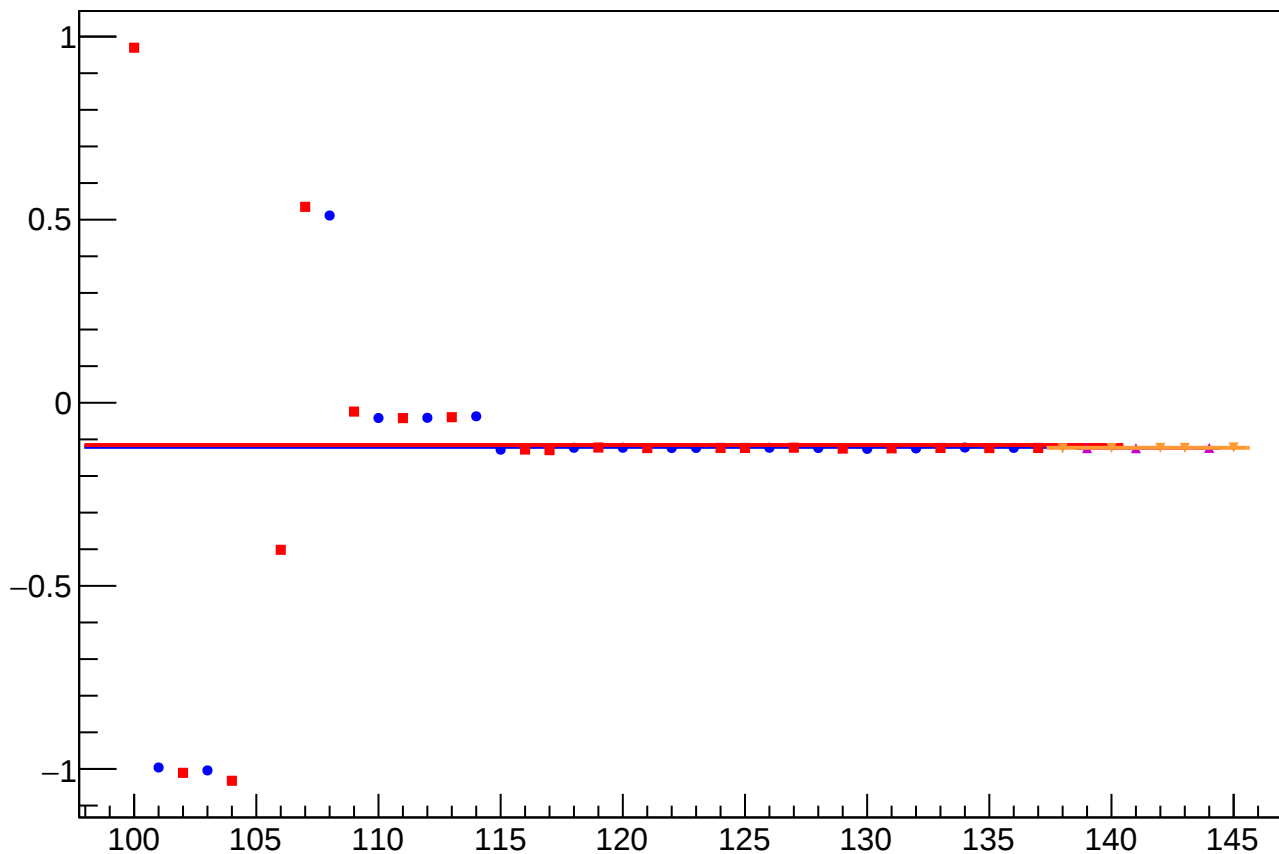
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3038397.4/19

Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:407287.4/2

0.002 $\pm$ 0.000 χ^2 /NDF: 2230747.3/21

0.002 $\pm$ 0.000 χ^2 /NDF: 3502799.9/22

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.123+/-0.000 χ^2/NDF :1736666.0/4

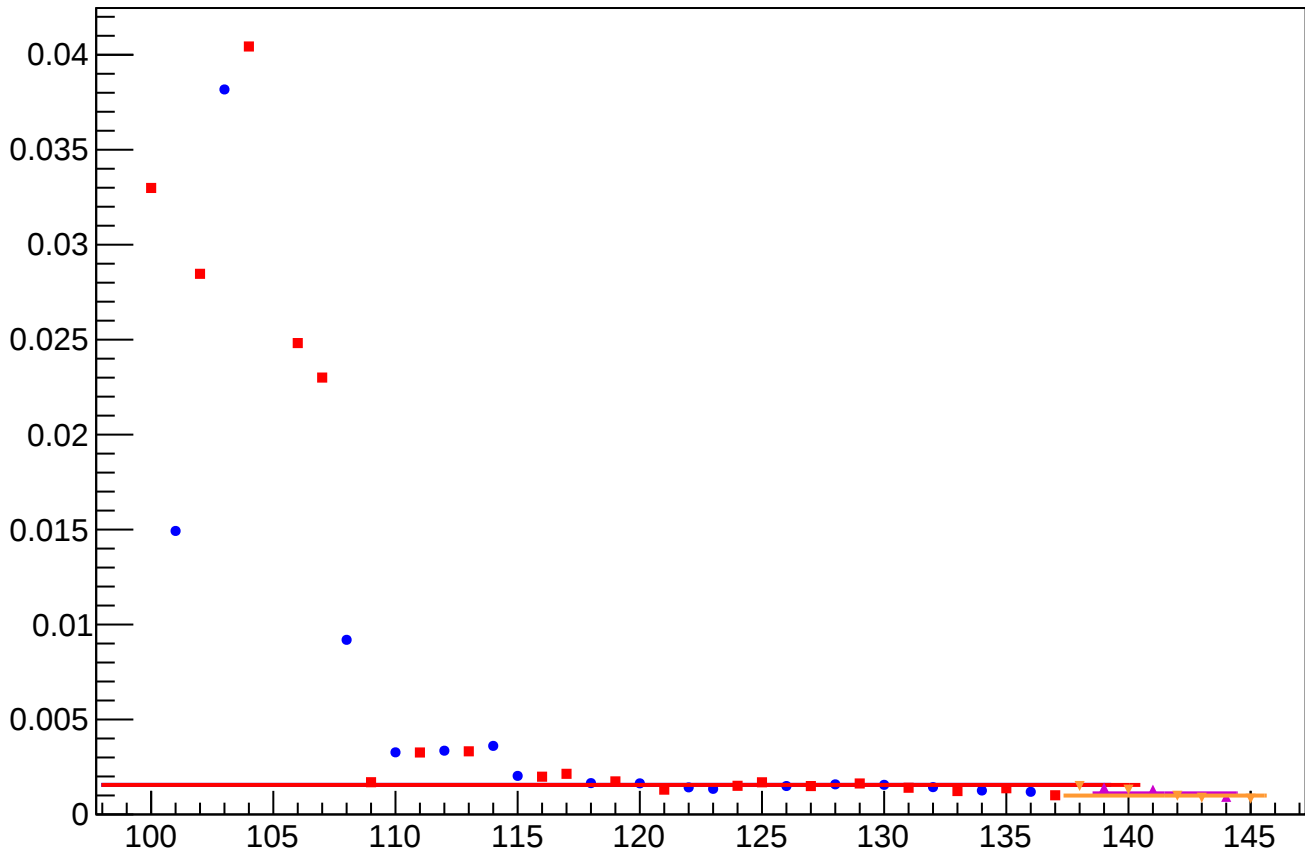
Right Out: -0.115+/-0.000 χ^2/NDF : 2458720596.9/19

Left In: -0.124+/-0.000 χ^2/NDF :239091.2/2

-0.122+/-0.000 χ^2/NDF : 3941943165.2/21

-0.119+/-0.000 χ^2/NDF : 2516732571.6/22

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2903607.4/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:297733.6/4

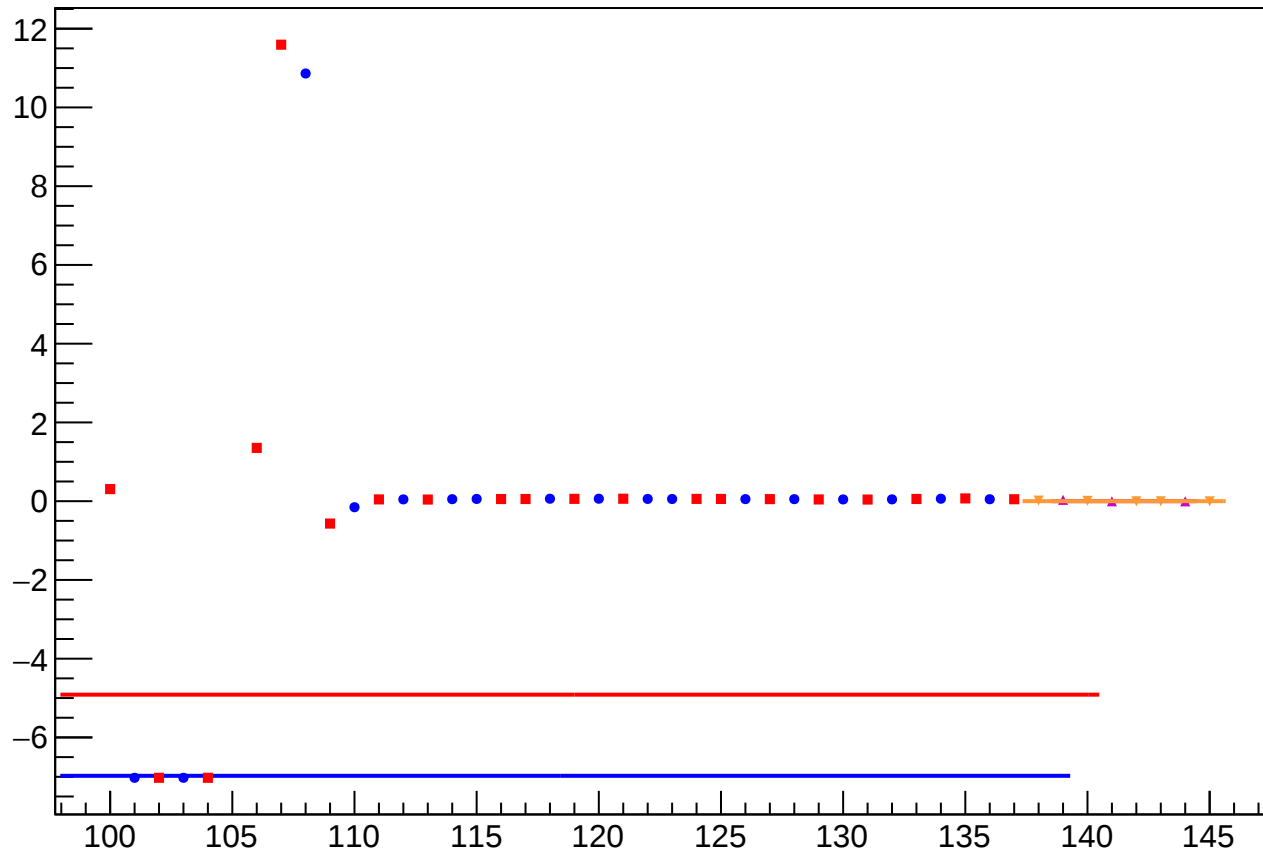
0.001 $\pm$ 0.000 χ^2 /NDF: 3929189.6/21

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3544377.2/19

0.001 $\pm$ 0.000 χ^2 /NDF: 4047830.5/22

Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:151916.0/2

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.000+/-0.000 χ^2/NDF :1748082.5/4

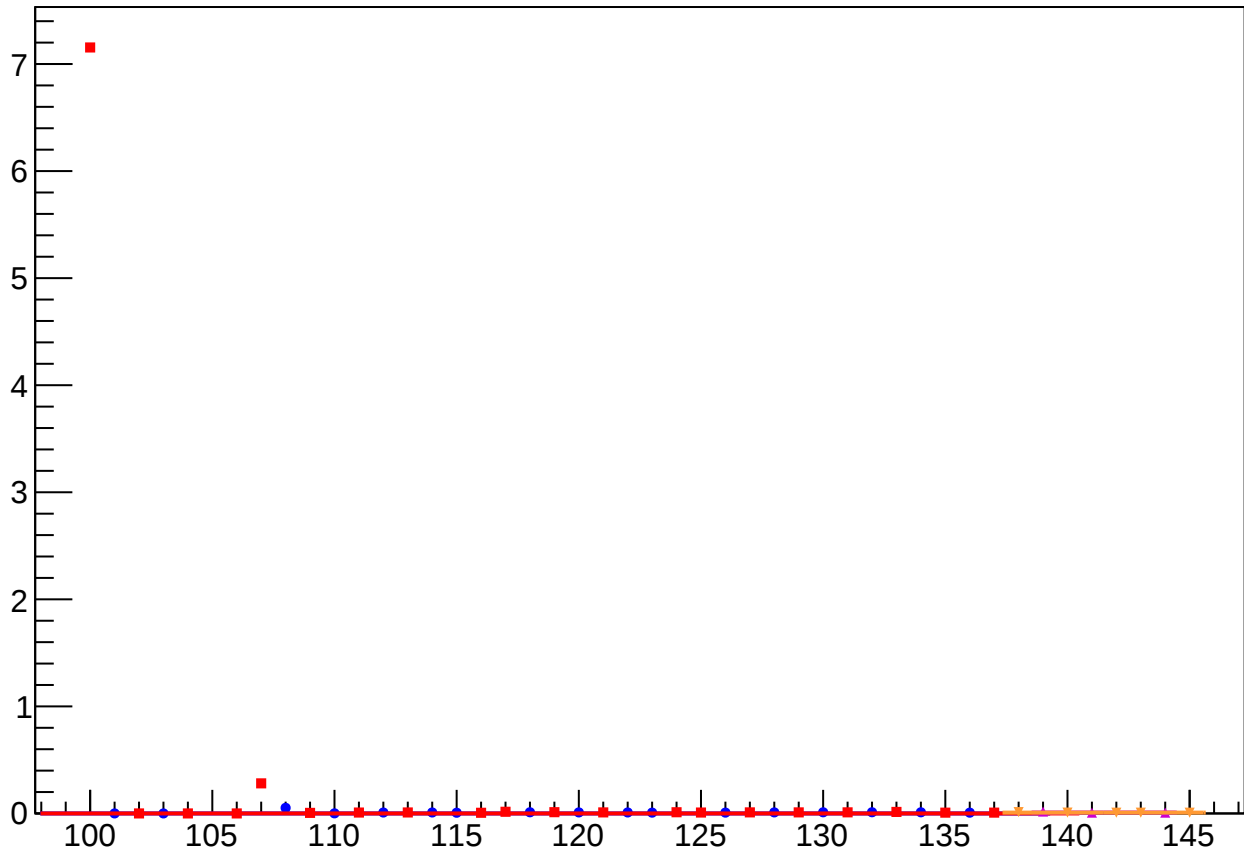
Right Out: -4.914+/-0.000 χ^2/NDF : 365366243956054.8/19

Left In: 0.000+/-0.000 χ^2/NDF :2636832.8/2

-6.965+/-0.000 χ^2/NDF : 10539055921772.8/21

-4.910+/-0.000 χ^2/NDF : 365922371703678.2/2

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8362763.6/16

Left Out: 0.008+/-0.000 χ^2/NDF :195088.9/4

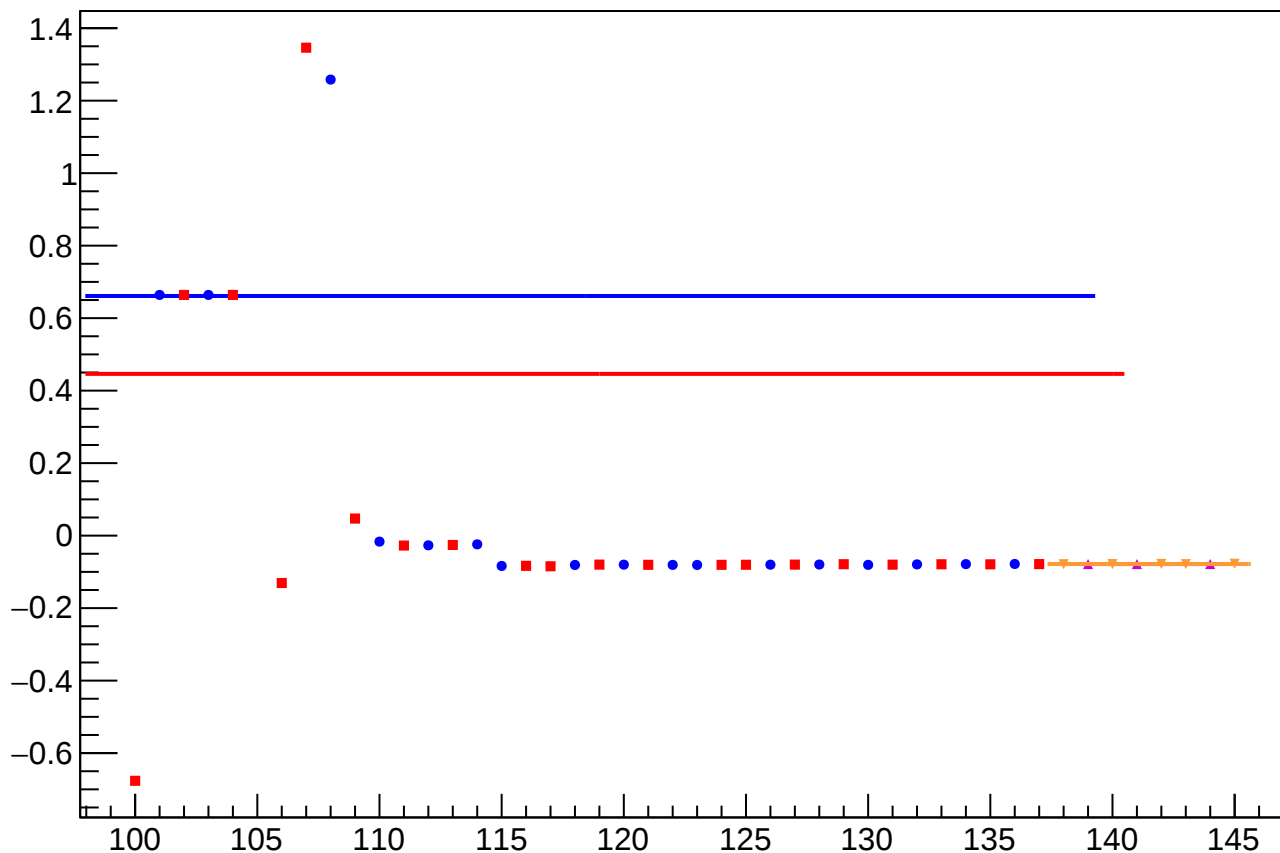
Right Out: 0.000+/-0.000 χ^2/NDF : 8880914.4/19

Left In: 0.009+/-0.000 χ^2/NDF :401683.5/2

0.000+/-0.000 χ^2/NDF : 12907082.2/21

0.000+/-0.000 χ^2/NDF : 12502229.5/22

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5678332616622.1/16

Left Out: -0.078+/-0.000 χ^2/NDF : 2239386.0/4

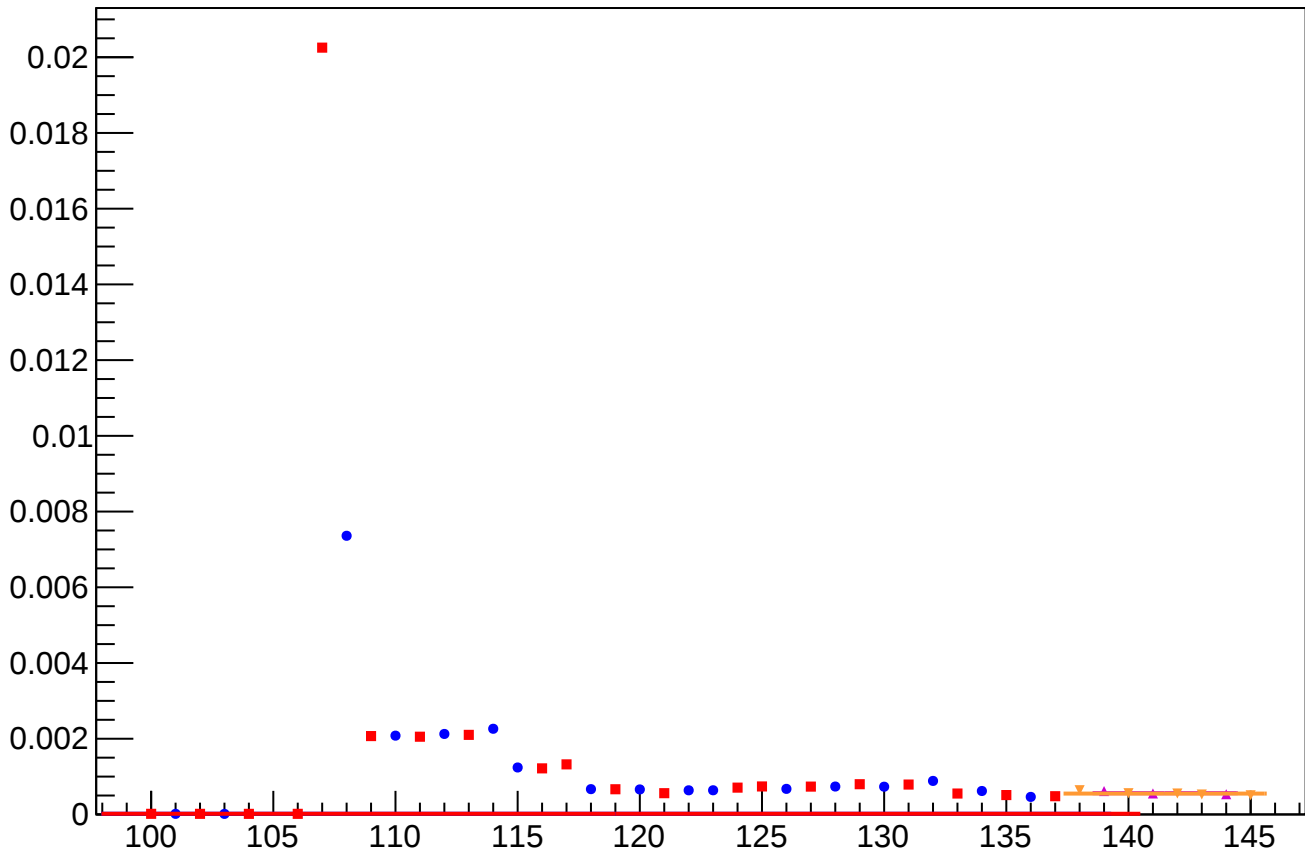
Right Out: 0.446+/-0.000 χ^2/NDF : 405434749783850.4/19

Left In: -0.078+/-0.000 χ^2/NDF : 7541.4/2

0.658+/-0.000 χ^2/NDF : 11259835651894.0/21

0.445+/-0.000 χ^2/NDF : 407409644723760.6/22

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 :41208.2/4

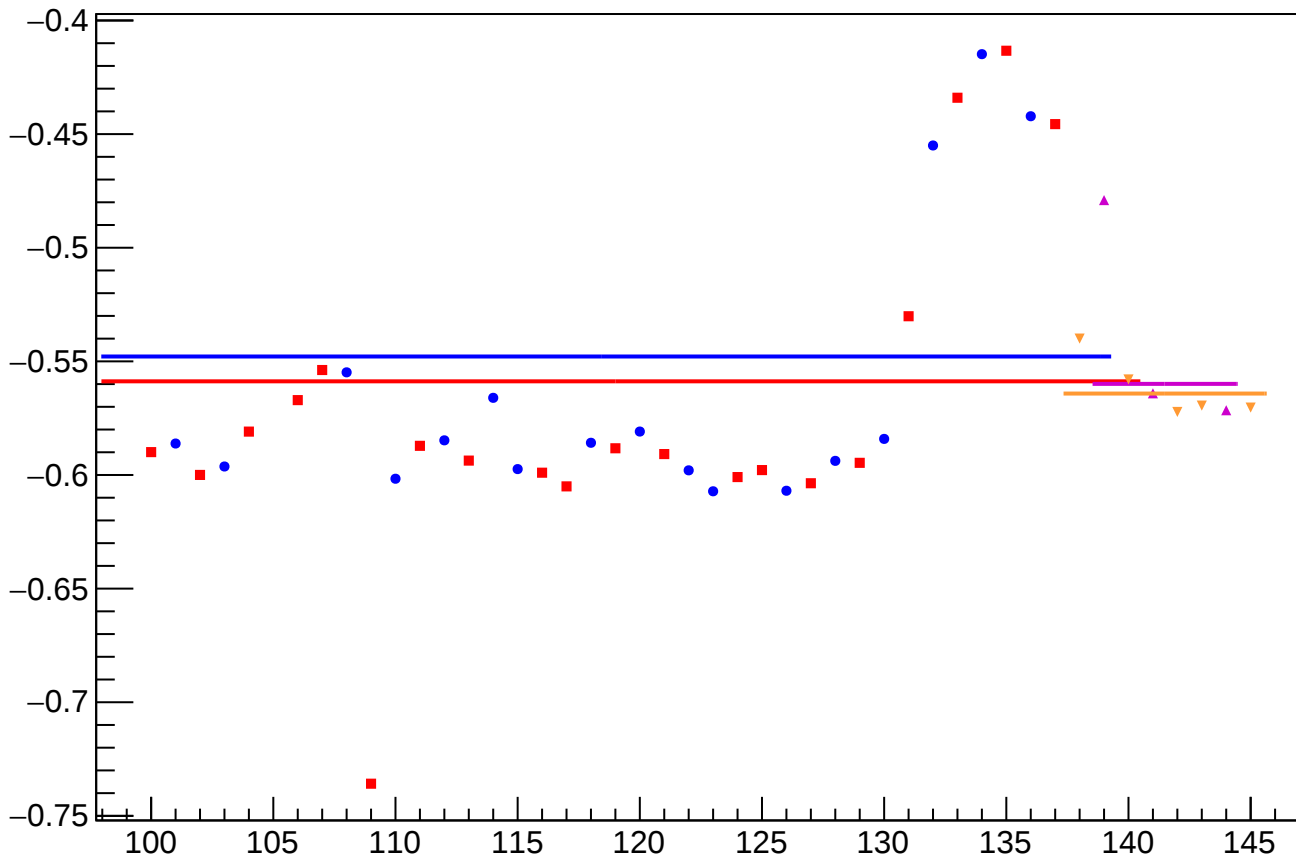
Right Out: 0.000+/-0.000 χ^2/NDF : 9575039.3/19

Left In: 0.001+/-0.000 χ^2/NDF :15180.5/2

0.000+/-0.000 χ^2/NDF : 15835360.4/21

0.000+/-0.000 χ^2/NDF : 13832413.7/22

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.564+/-0.000 χ^2/NDF : 703425.7/4

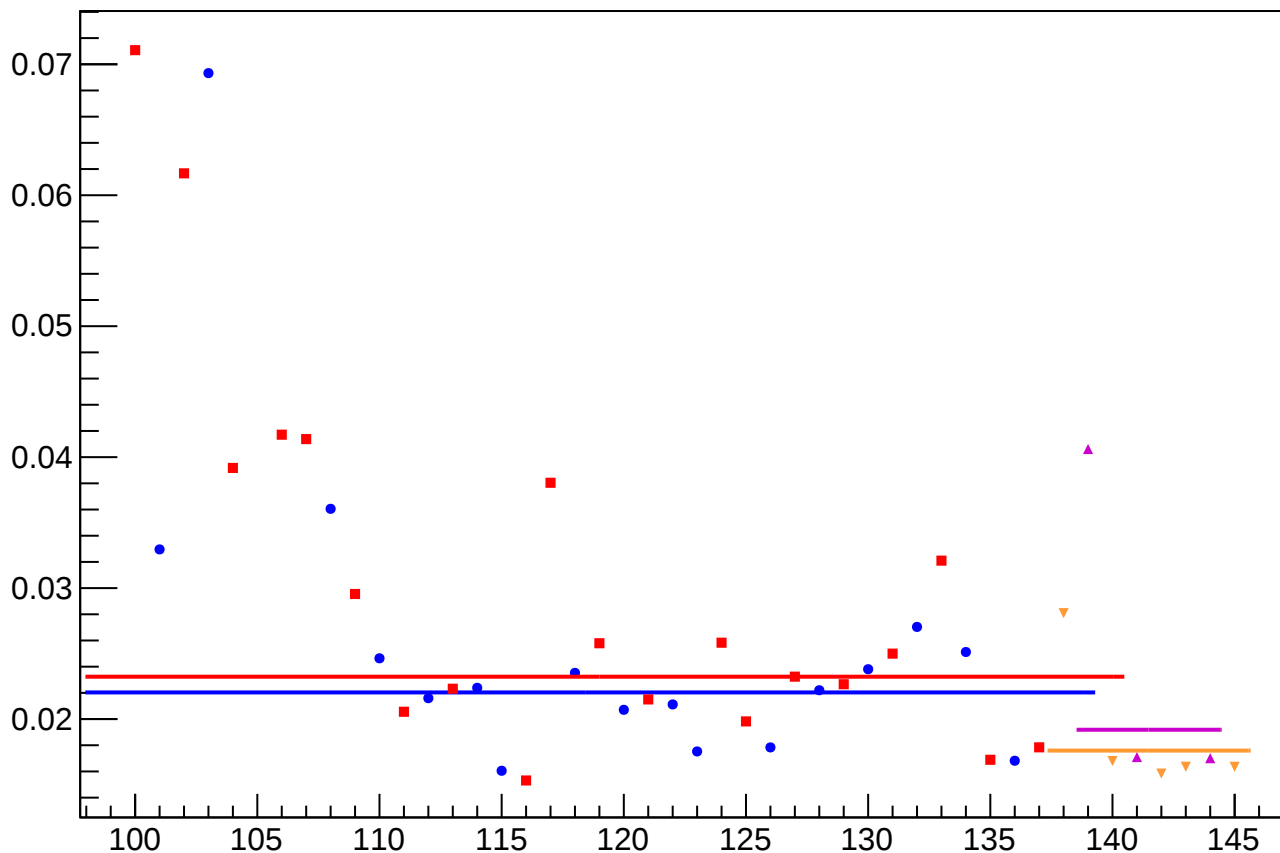
Right Out: -0.559+/-0.000 χ^2/NDF : 65741796.4/19

Left In: -0.560+/-0.000 χ^2/NDF : 3003727.6/2

-0.555+/-0.000 χ^2/NDF : 50427371.8/21

-0.559+/-0.000 χ^2/NDF : 68749454.7/22

yield_bpm4aX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 958966.6/16

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF:184996.4/4

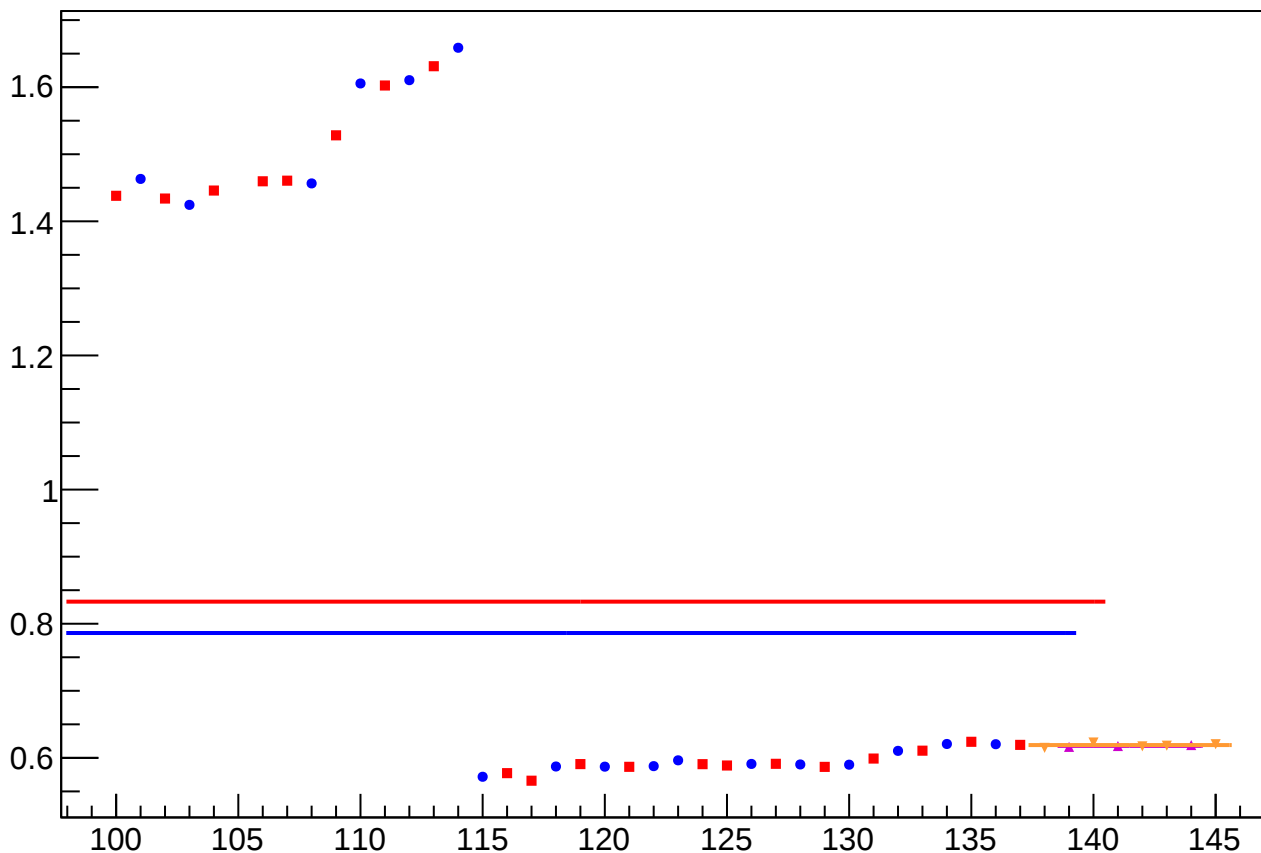
Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1169205.3/19

Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:414179.4/2

0.020 $\pm$ 0.000 χ^2 /NDF: 1313555.3/21

0.022 $\pm$ 0.000 χ^2 /NDF: 1685602.7/22

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:192981.3/4

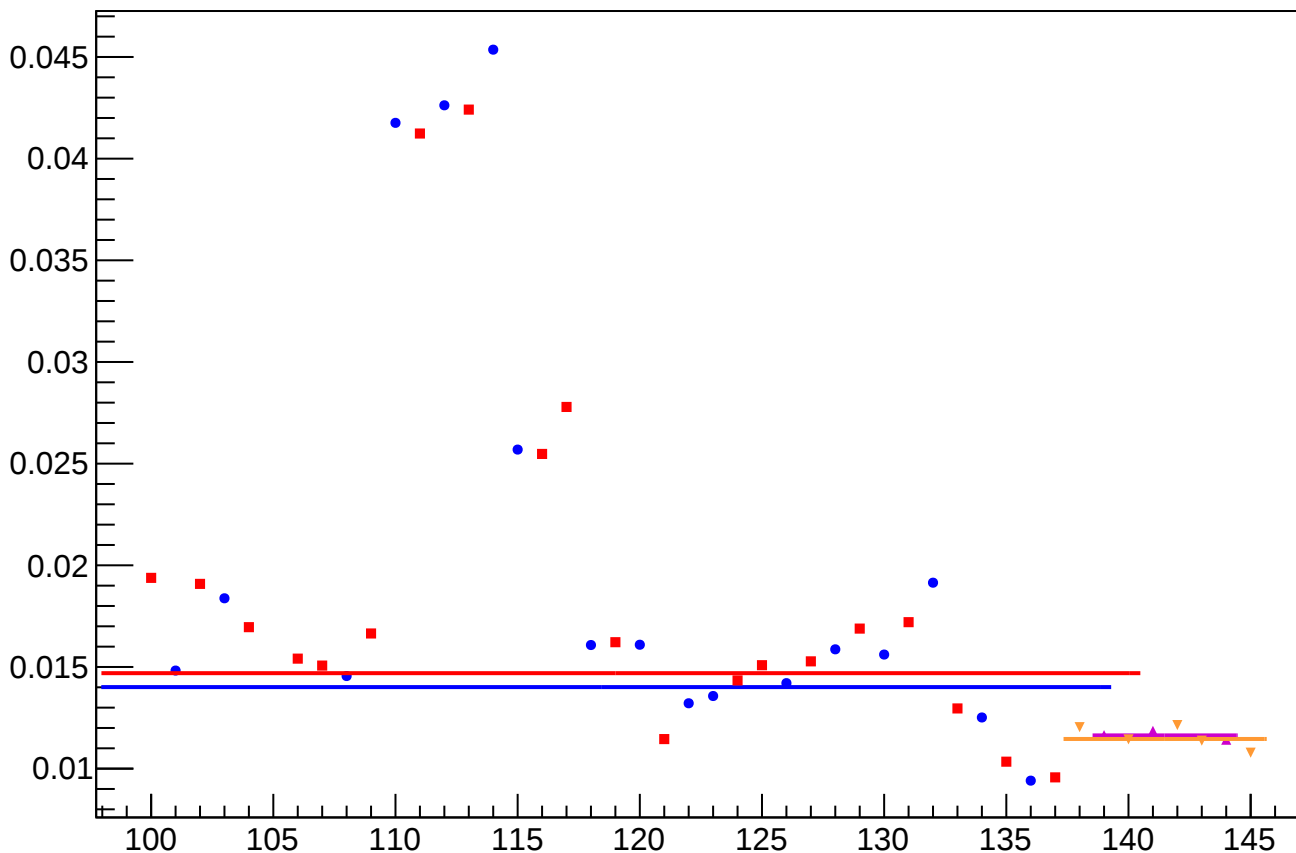
Right Out: 0.833 $\pm$ 0.000 χ^2 /NDF: 4160348649.7/19

Left In: 0.618 $\pm$ 0.000 χ^2 /NDF:20437.3/2

0.710 $\pm$ 0.000 χ^2 /NDF: 3958153346.8/21

0.752 $\pm$ 0.000 χ^2 /NDF: 4650193579.2/22

yield_bpm4aY_rms vs Slug



Right In: 0.014 ± 0.000 χ^2/NDF : 1404865.3/16

Left Out: 0.011 ± 0.000 χ^2/NDF : 11741.3/4

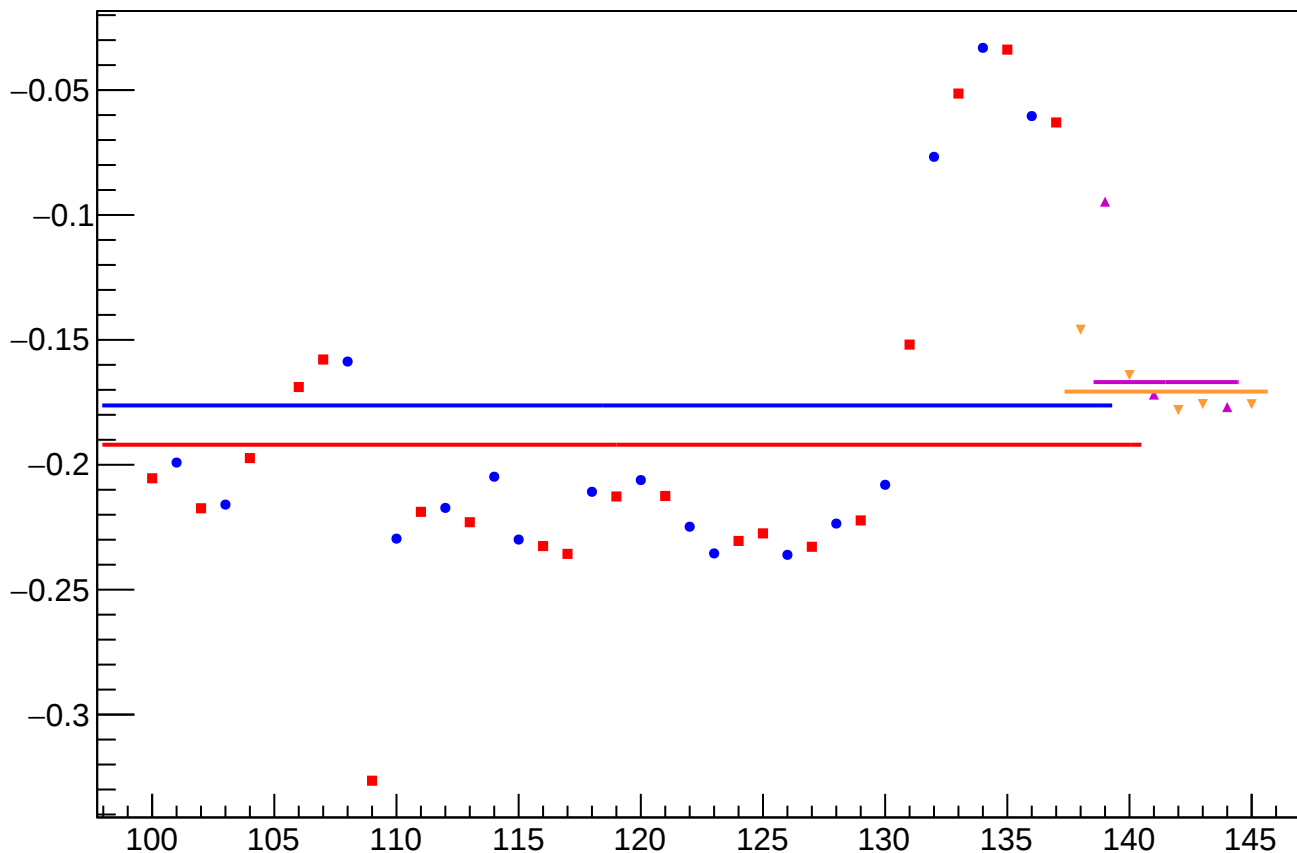
Right Out: 0.015 ± 0.000 χ^2/NDF : 1280473.4/19

Left In: 0.012 ± 0.000 χ^2/NDF : 1153.3/2

0.013 ± 0.000 χ^2/NDF : 1588157.5/21

0.014 ± 0.000 χ^2/NDF : 1480002.0/22

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.171+/-0.000 χ^2/NDF : 744863.4/4

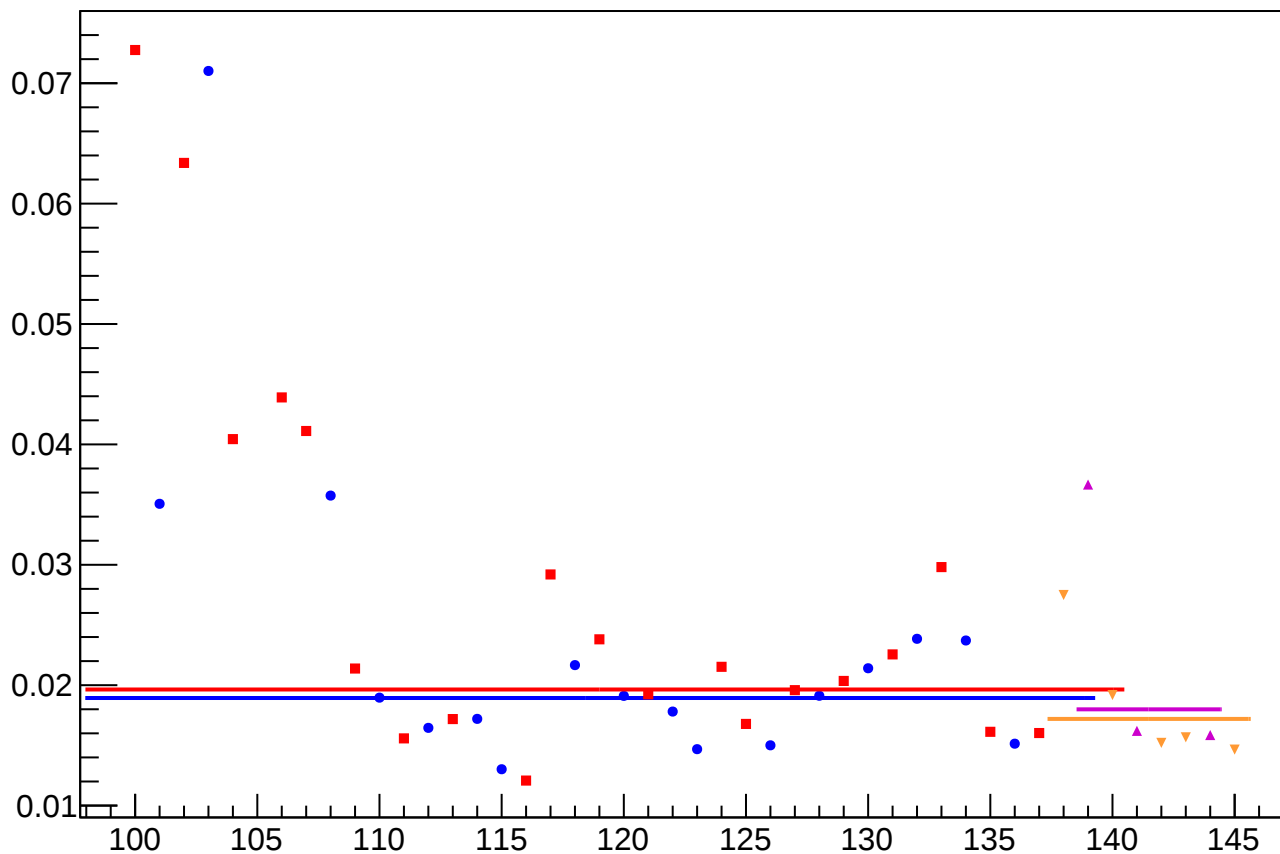
Right Out: -0.192+/-0.000 χ^2/NDF : 83899255.4/19

Left In: -0.167+/-0.000 χ^2/NDF : 2926740.9/2

-0.174+/-0.000 χ^2/NDF : 71036505.0/21

-0.185+/-0.000 χ^2/NDF : 89207533.7/22

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.017+/-0.000 χ^2/NDF : 235605.2/4

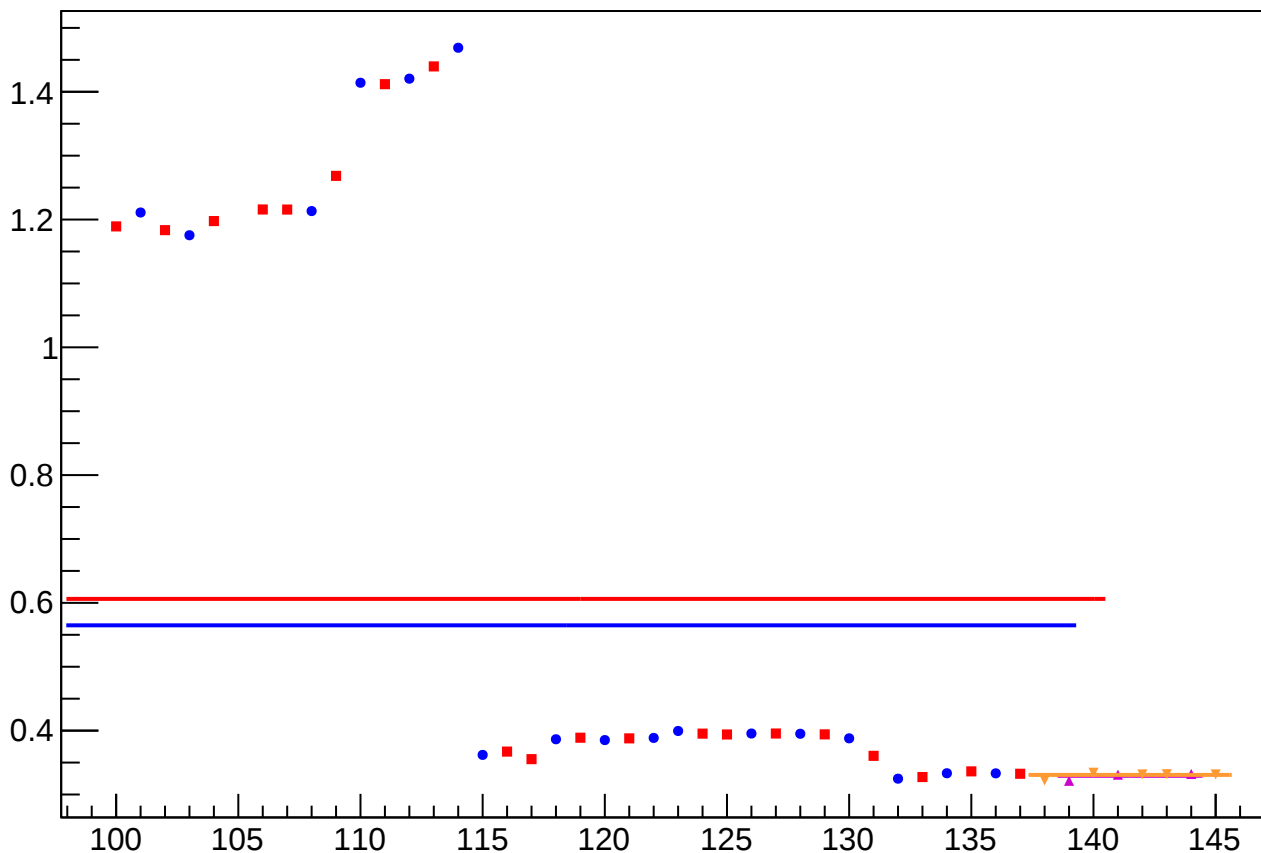
Right Out: 0.020+/-0.000 χ^2/NDF : 1466285.9/19

Left In: 0.018+/-0.000 χ^2/NDF : 387386.9/2

0.018+/-0.000 χ^2/NDF : 1471841.2/21

0.019+/-0.000 χ^2/NDF : 1874265.9/22

yield_bpm4eY_mean vs Slug



Right In: 0.565+/-0.000 χ^2/NDF : 5030969499.3/16

Left Out: 0.331+/-0.000 χ^2/NDF : 362064.9/4

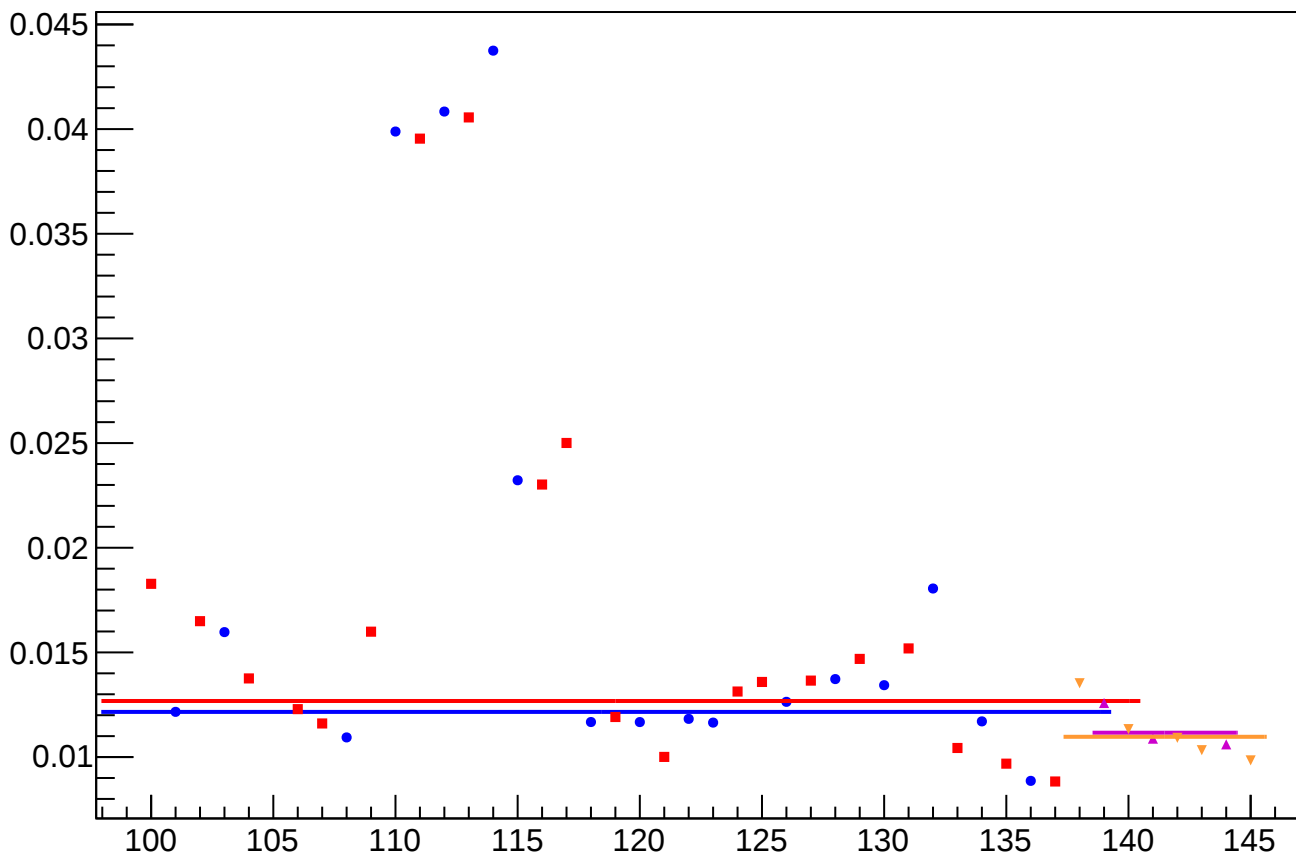
Right Out: 0.606+/-0.000 χ^2/NDF : 5517630064.2/19

Left In: 0.329+/-0.000 χ^2/NDF : 335633.9/2

0.471+/-0.000 χ^2/NDF : 5877826096.3/21

0.515+/-0.000 χ^2/NDF : 6450324553.4/22

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1309888.8/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 75378.2/4

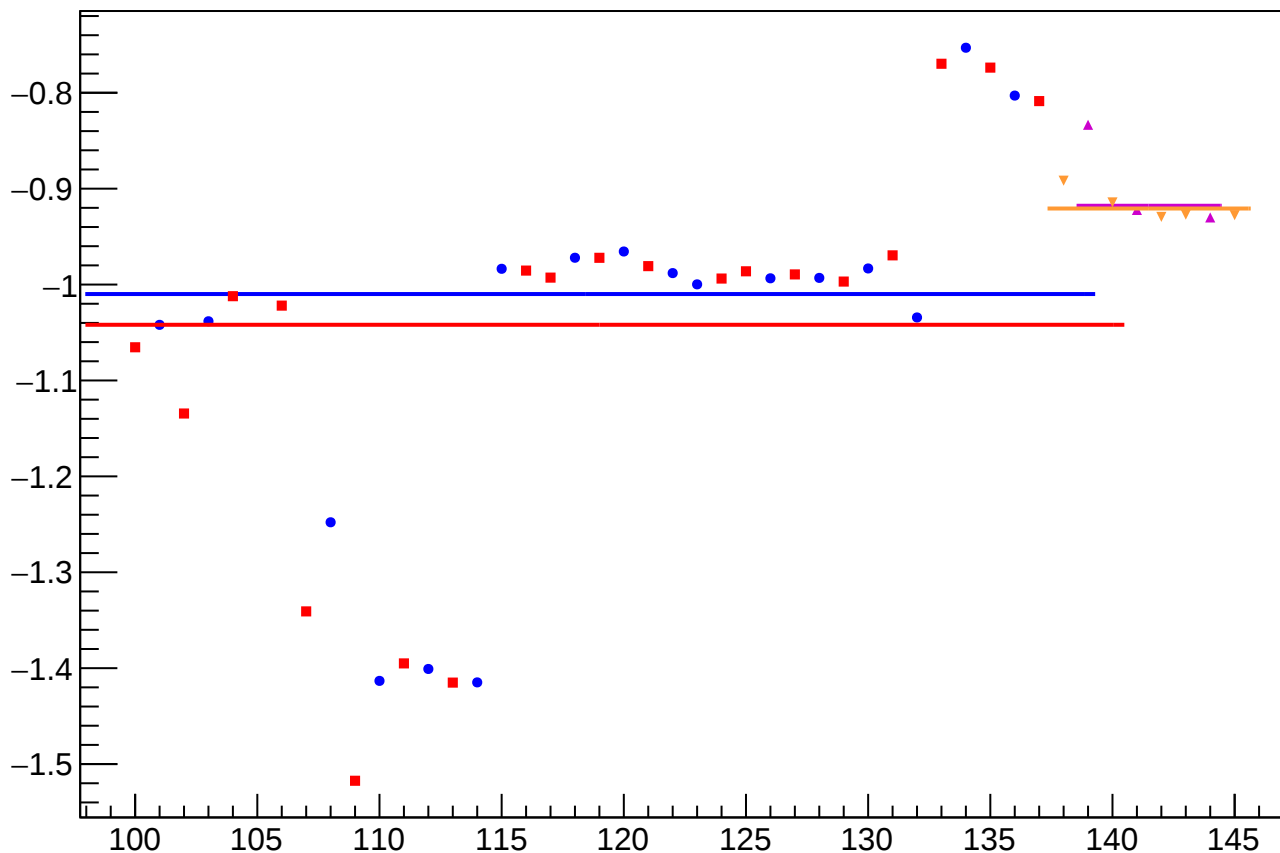
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1289415.7/19

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 22417.4/2

0.012 $\pm$ 0.000 χ^2 /NDF: 1428931.4/21

0.012 $\pm$ 0.000 χ^2 /NDF: 1367680.5/22

yield_bpm4acX_mean vs Slug



Right In: -1.010+/-0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.921+/-0.000 χ^2/NDF : 999677.6/4

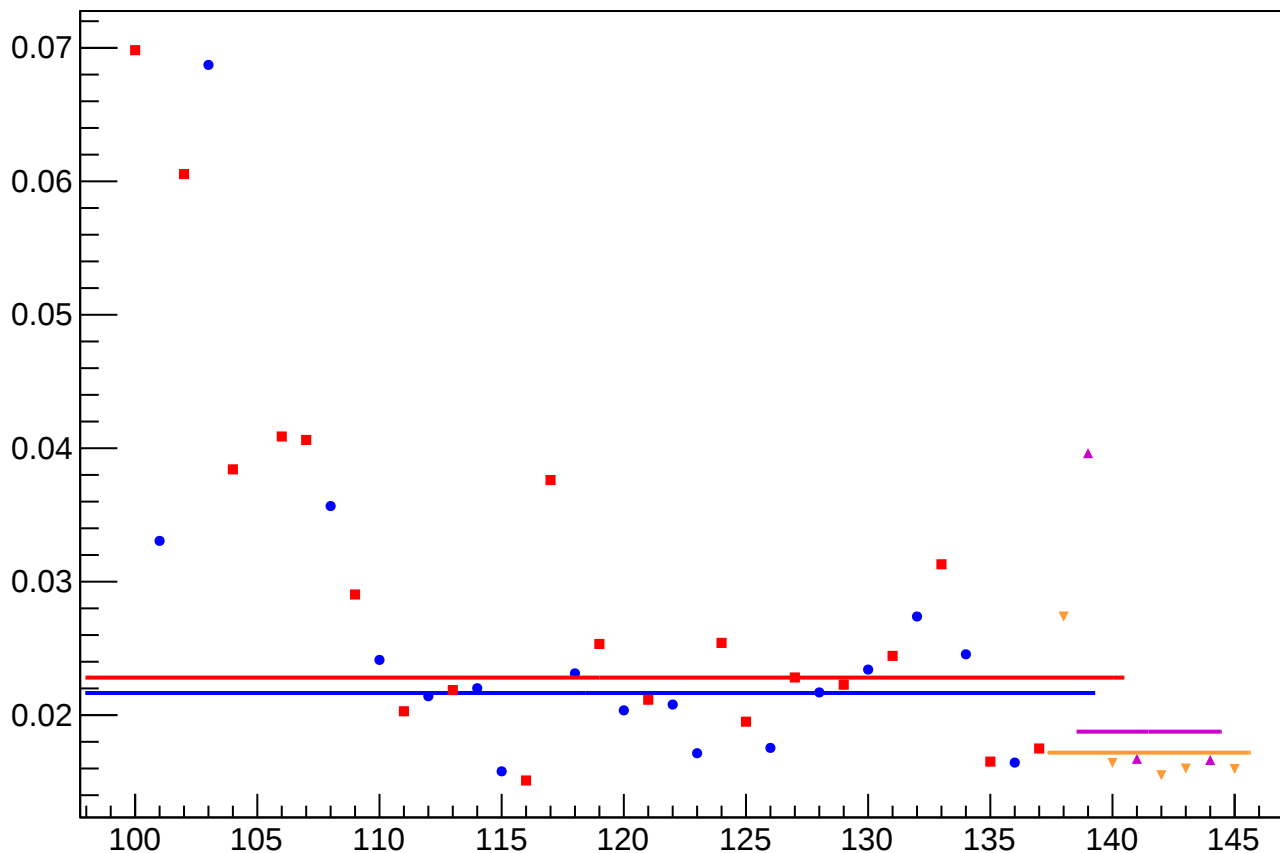
Right Out: -1.042+/-0.000 χ^2/NDF : 530175104.2/19

Left In: -0.918+/-0.000 χ^2/NDF : 3442983.1/2

-0.973+/-0.000 χ^2/NDF : 424306809.6/21

-1.003+/-0.000 χ^2/NDF : 583670744.0/22

yield_bpm4acX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 983499.8/16

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:183728.4/4

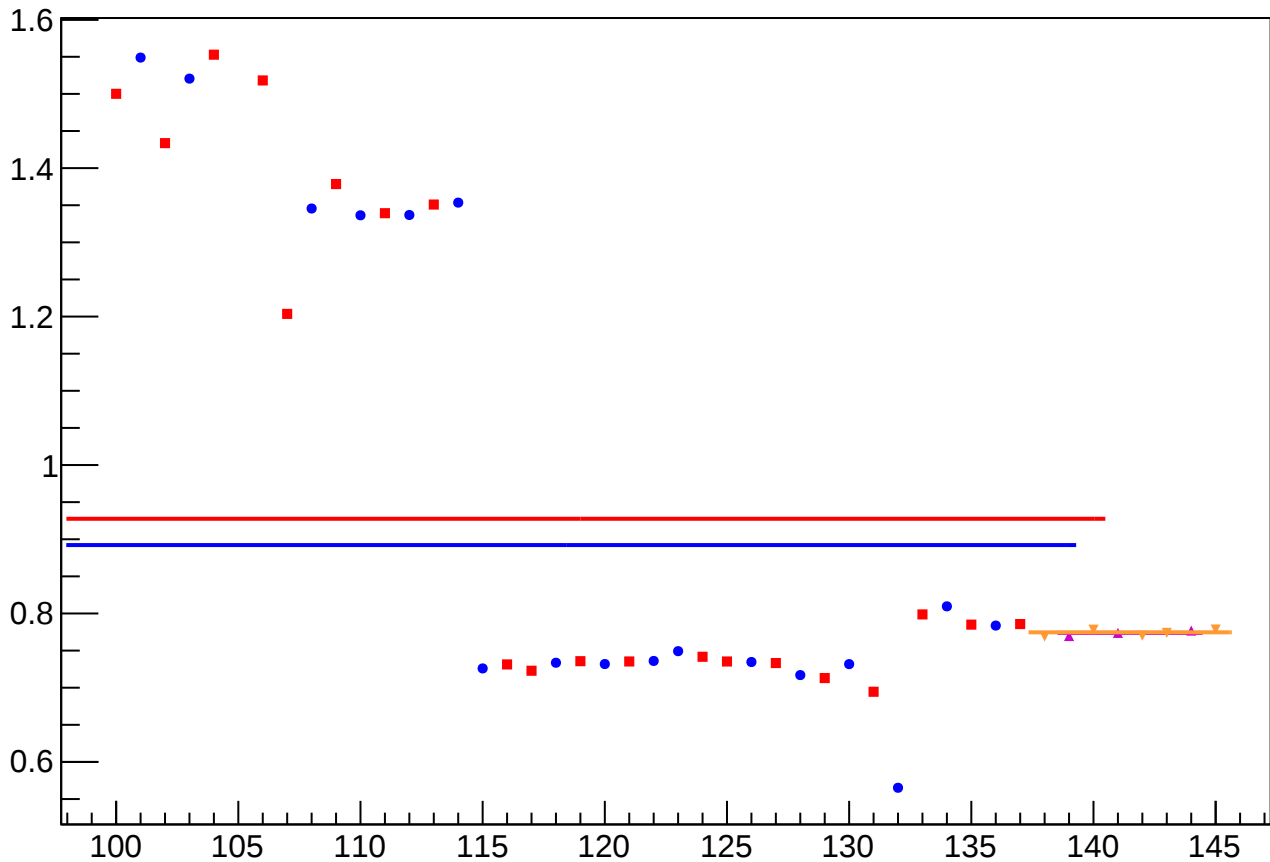
Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1165116.5/19

Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:412527.3/2

0.020 $\pm$ 0.000 χ^2 /NDF: 1346267.4/21

0.022 $\pm$ 0.000 χ^2 /NDF: 1684293.3/22

yield_bpm4acY_mean vs Slug



Right In: 0.892+/-0.000 χ^2/NDF : 2413732173.6/16

Left Out: 0.775+/-0.000 χ^2/NDF : 378510.4/4

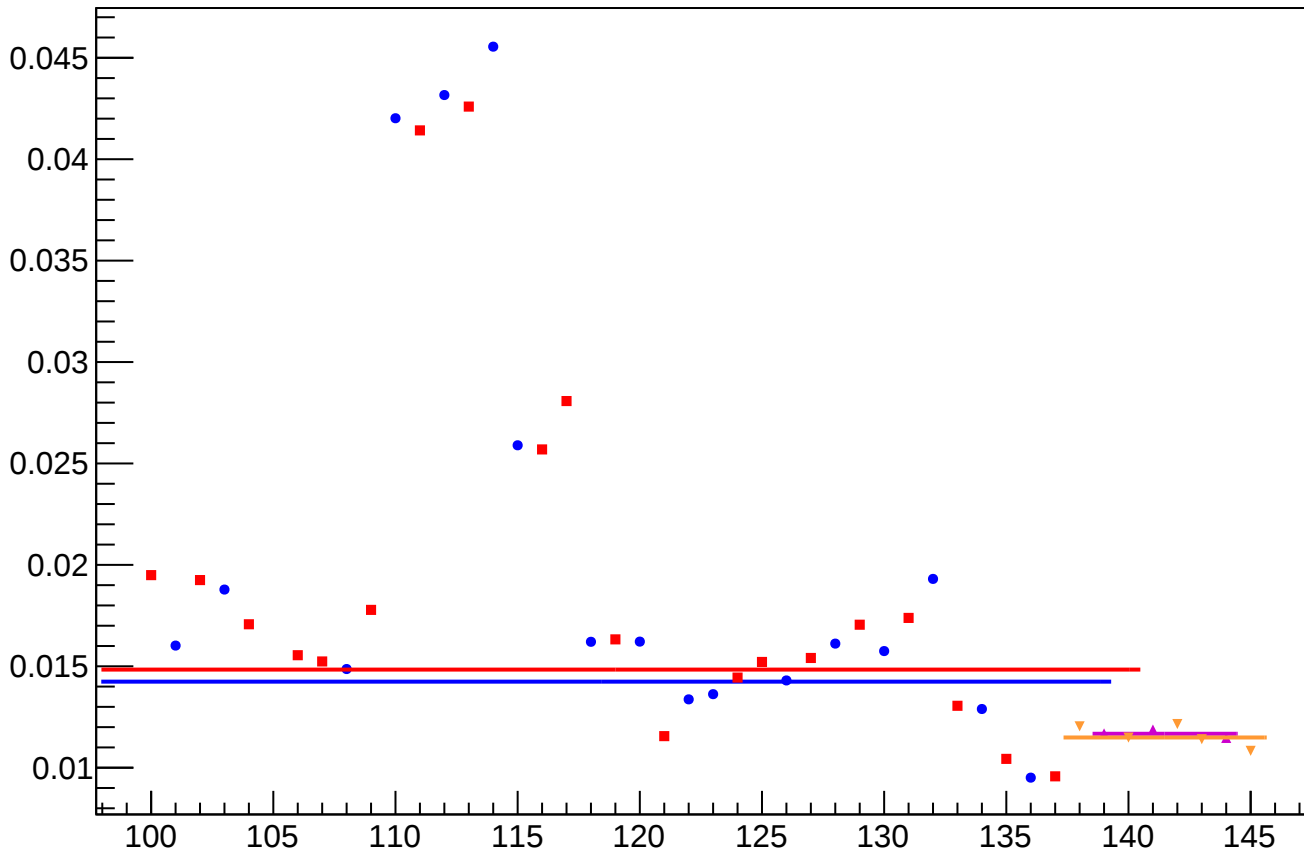
0.838+/-0.000 χ^2/NDF : 2592498790.6/21

Right Out: 0.928+/-0.000 χ^2/NDF : 2439574936.7/19

0.869+/-0.000 χ^2/NDF : 2686962431.5/22

Left In: 0.774+/-0.000 χ^2/NDF : 147642.0/2

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1415681.3/16

Left Out: 0.011+/-0.000 χ^2/NDF :10921.3/4

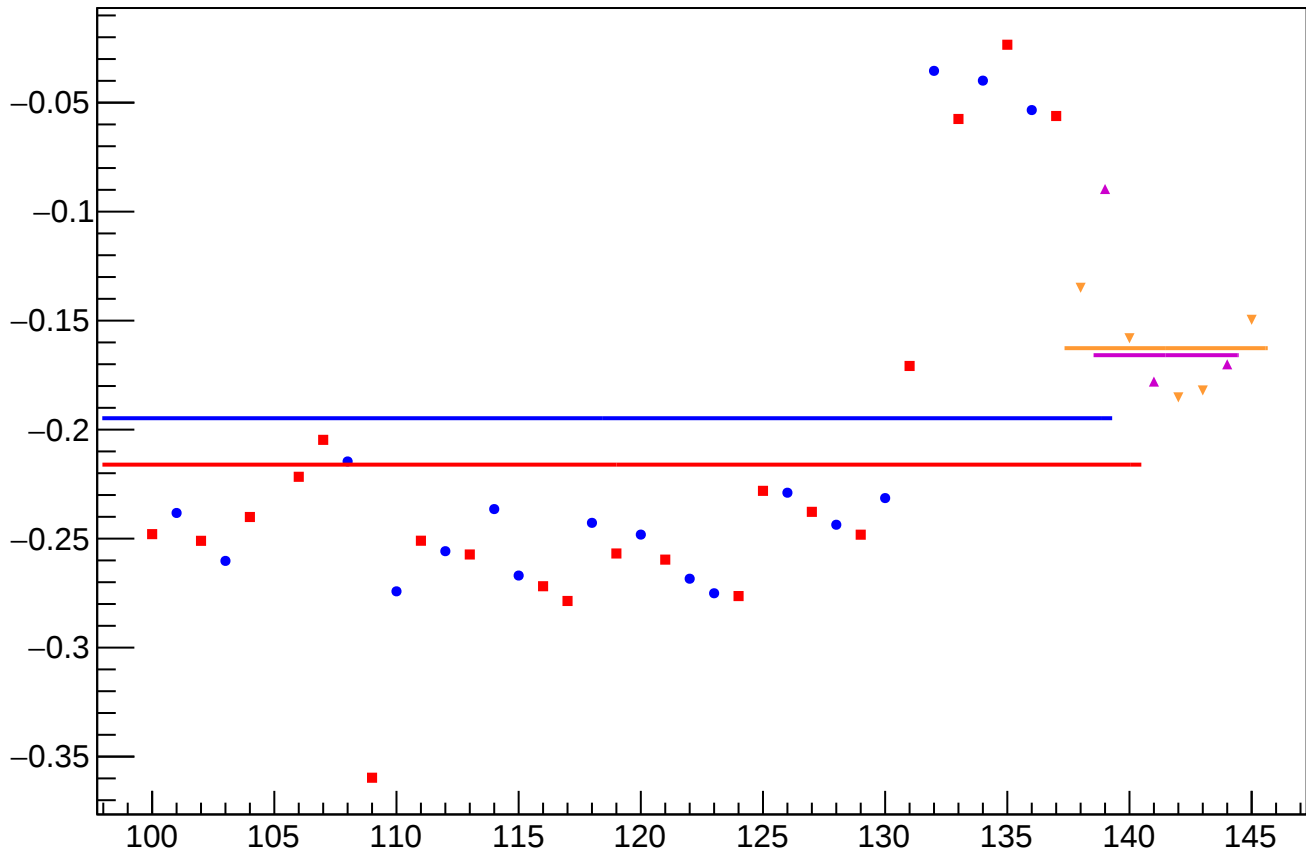
Right Out: 0.015+/-0.000 χ^2/NDF : 1291174.0/19

Left In: 0.012+/-0.000 χ^2/NDF :1033.3/2

0.013+/-0.000 χ^2/NDF : 1622285.0/21

0.014+/-0.000 χ^2/NDF : 1501560.4/22

yield_bpm4ecX_mean vs Slug



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.163+/-0.000 χ^2/NDF : 2425145.7/4

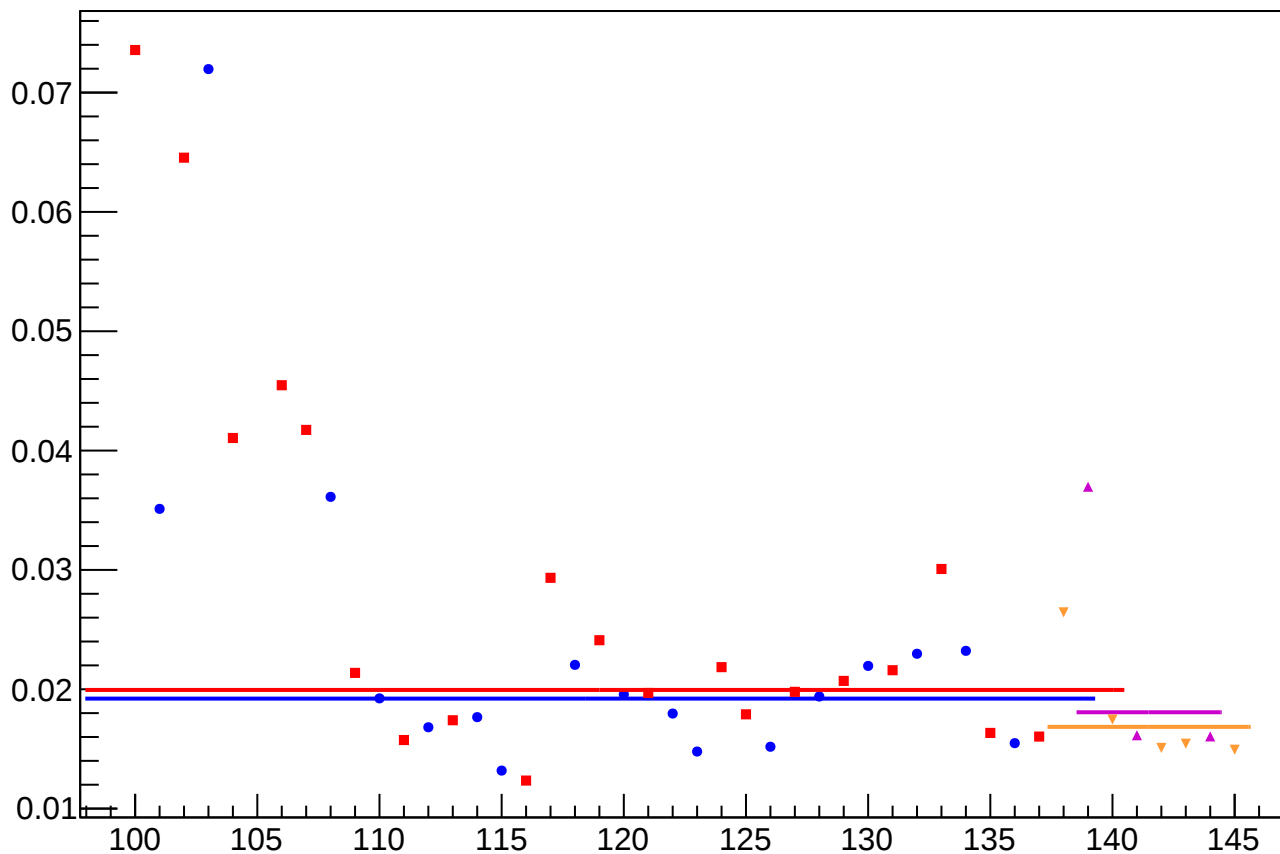
-0.183+/-0.000 χ^2/NDF : 116317442.9/21

Right Out: -0.216+/-0.000 χ^2/NDF : 112167032.2/19

-0.202+/-0.000 χ^2/NDF : 124805345.4/22

Left In: -0.166+/-0.000 χ^2/NDF : 3238645.9/2

yield_bpm4ecX_rms vs Slug



Right In: 0.019 ± 0.000 χ^2/NDF : 1177085.4/16

Left Out: 0.017 ± 0.000 χ^2/NDF : 192855.9/4

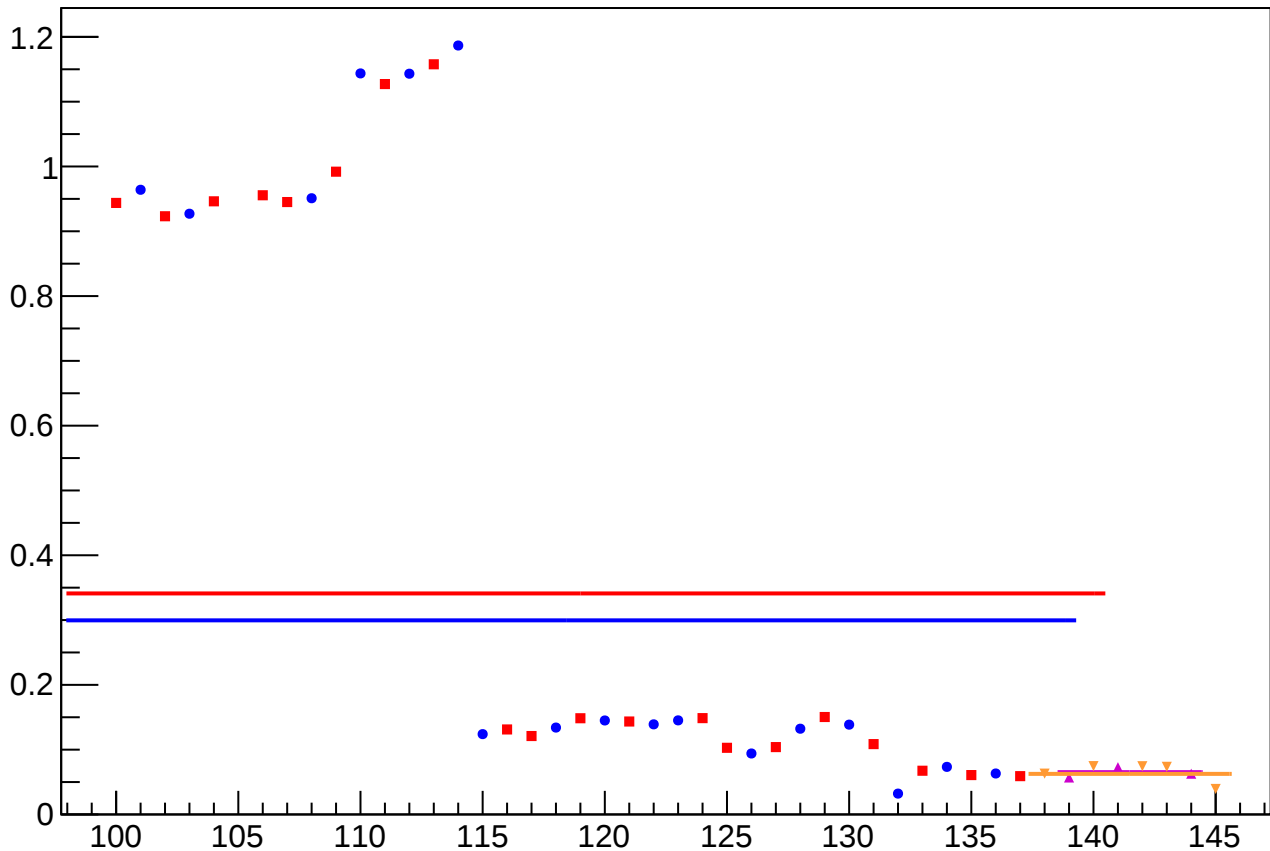
Right Out: 0.020 ± 0.000 χ^2/NDF : 1455211.7/19

Left In: 0.018 ± 0.000 χ^2/NDF : 389173.4/2

0.018 ± 0.000 χ^2/NDF : 1426870.5/21

0.019 ± 0.000 χ^2/NDF : 1870487.5/22

yield_bpm4ecY_mean vs Slug



Right In: 0.300 $\pm$ 0.000 χ^2 /NDF: 5165052137.6/16

Left Out: 0.063 $\pm$ 0.000 χ^2 /NDF:6224387.8/4

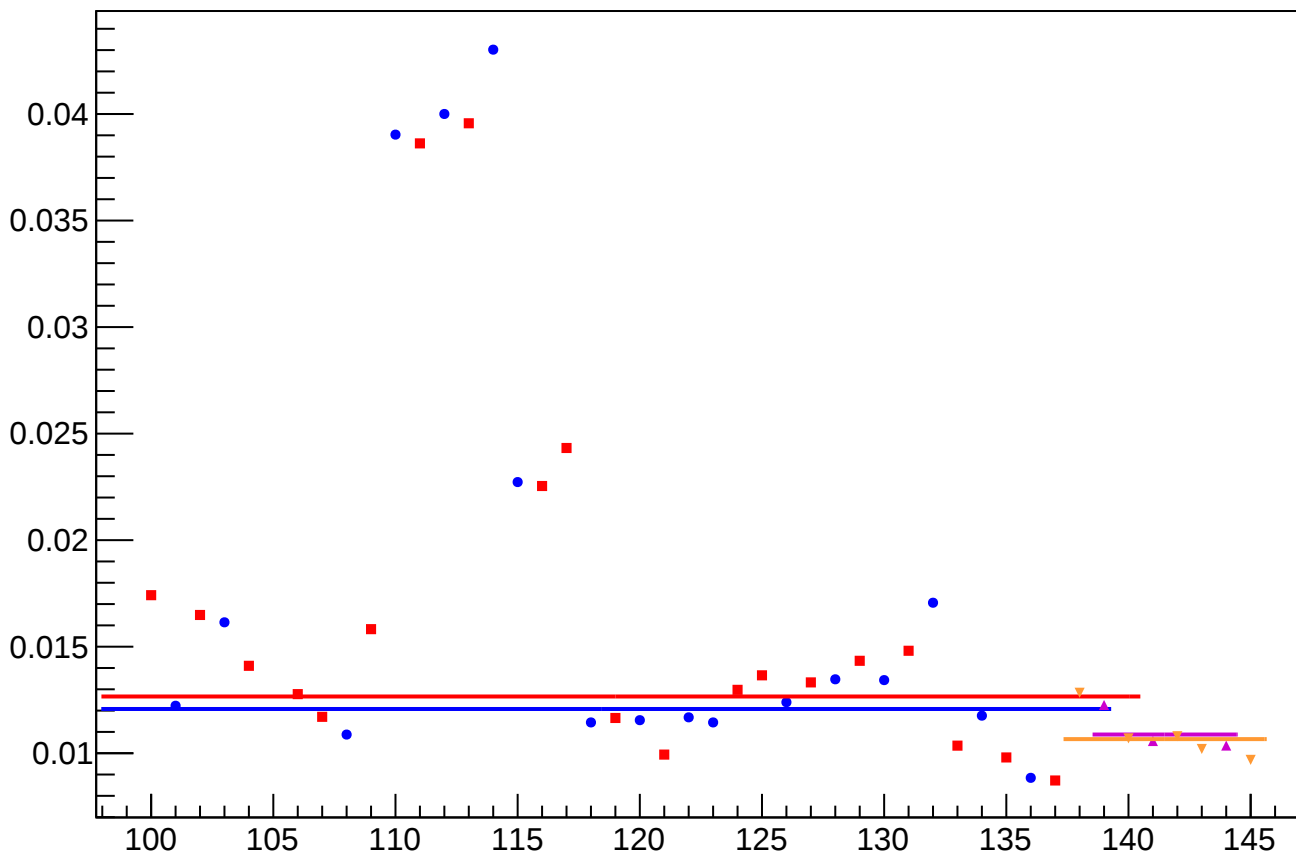
0.202 $\pm$ 0.000 χ^2 /NDF: 6072914342.9/21

Right Out: 0.341 $\pm$ 0.000 χ^2 /NDF: 5453748737.7/19

0.247 $\pm$ 0.000 χ^2 /NDF: 6412445913.0/22

Left In: 0.065 $\pm$ 0.000 χ^2 /NDF:759467.5/2

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1282097.7/16

Left Out: 0.011+/-0.000 χ^2/NDF : 57616.1/4

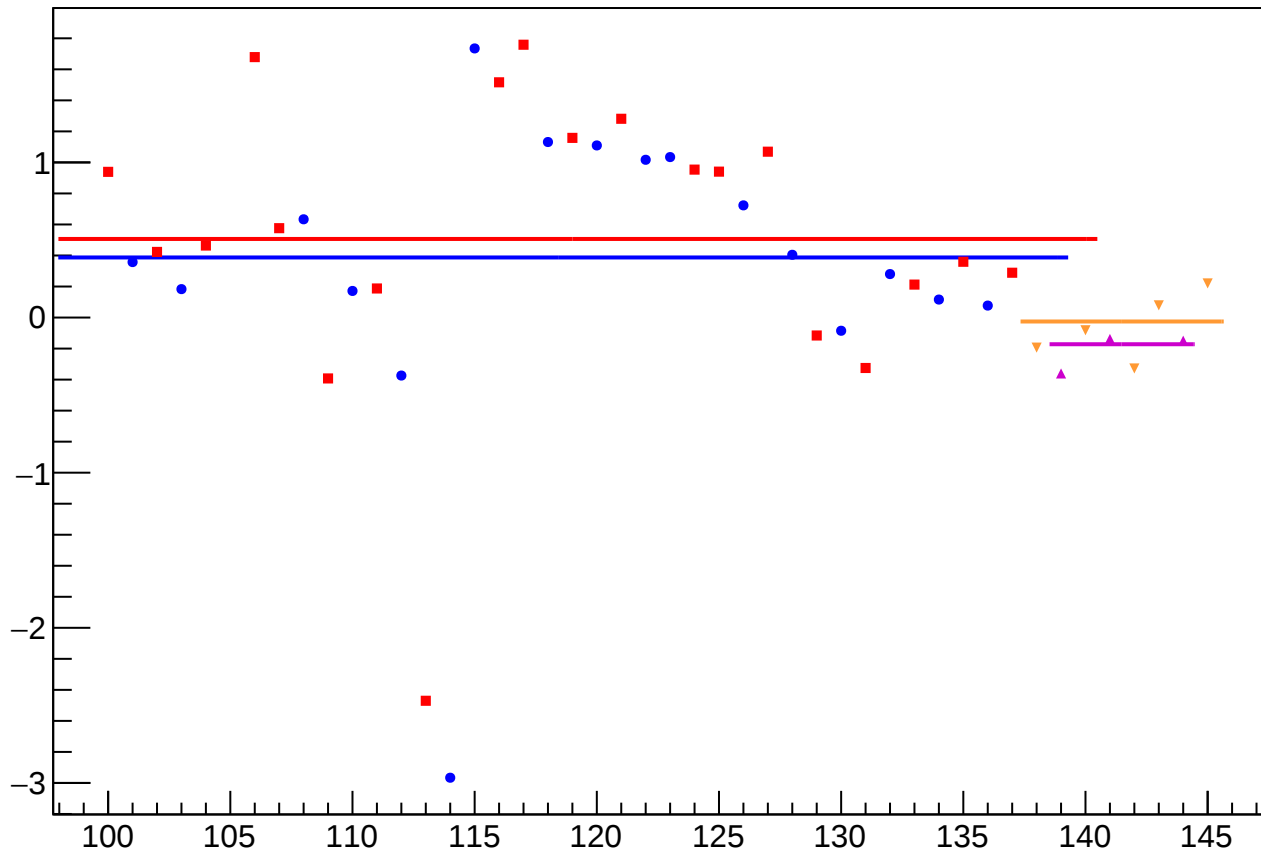
Right Out: 0.013+/-0.000 χ^2/NDF : 1255391.1/19

Left In: 0.011+/-0.000 χ^2/NDF : 22299.3/2

0.011+/-0.000 χ^2/NDF : 1403915.8/21

0.012+/-0.000 χ^2/NDF : 1357953.8/22

yield_bpm1X_mean vs Slug



Right In: 0.387 $\pm$ 0.000 χ^2 /NDF: 247912593.5/16

Left Out: -0.025 $\pm$ 0.000 χ^2 /NDF:22460667.2/4

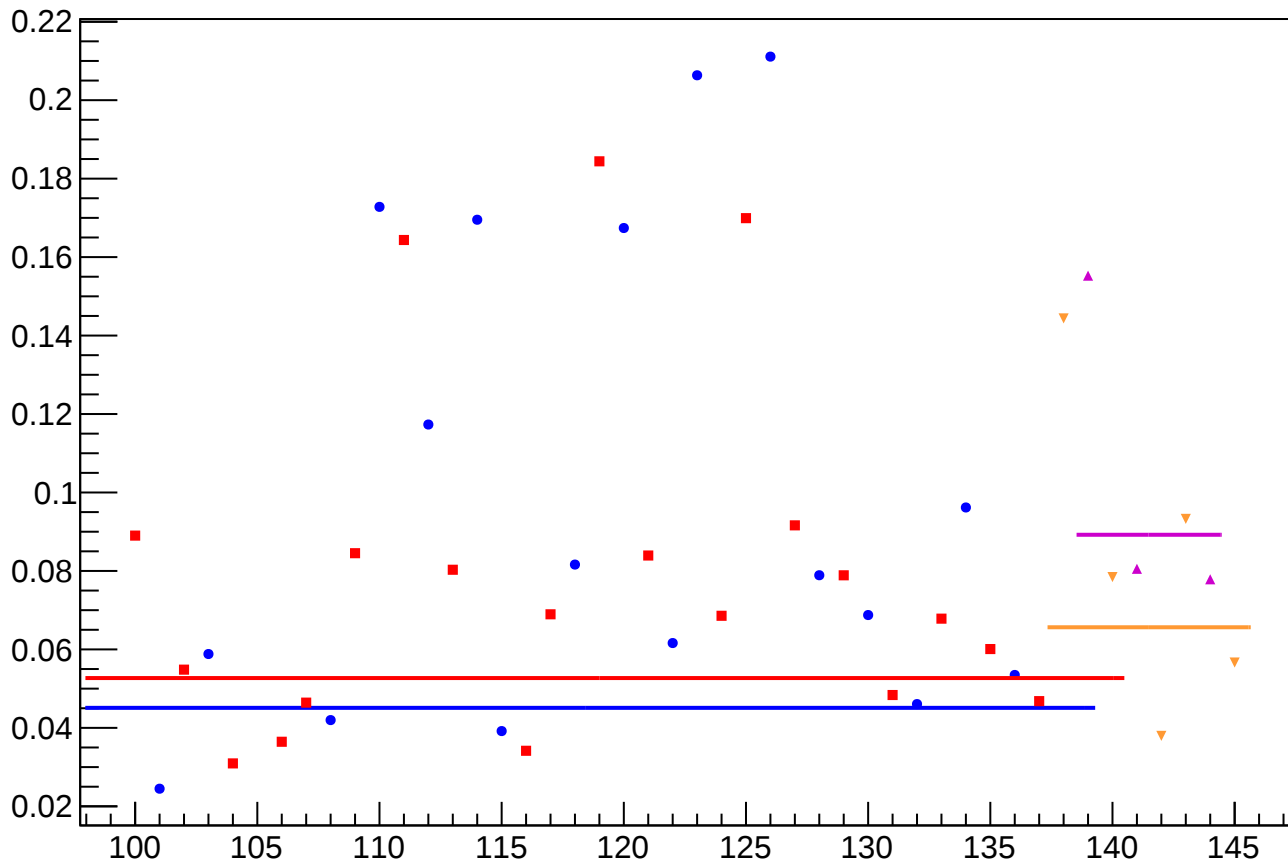
0.304 $\pm$ 0.000 χ^2 /NDF: 330676115.1/21

Right Out: 0.507 $\pm$ 0.000 χ^2 /NDF: 995347030.4/19

0.432 $\pm$ 0.000 χ^2 /NDF: 1072585221.8/22

Left In: -0.172 $\pm$ 0.000 χ^2 /NDF:1006243.9/2

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2846218.9/16

Left Out: 0.066+/-0.000 χ^2/NDF : 687405.2/4

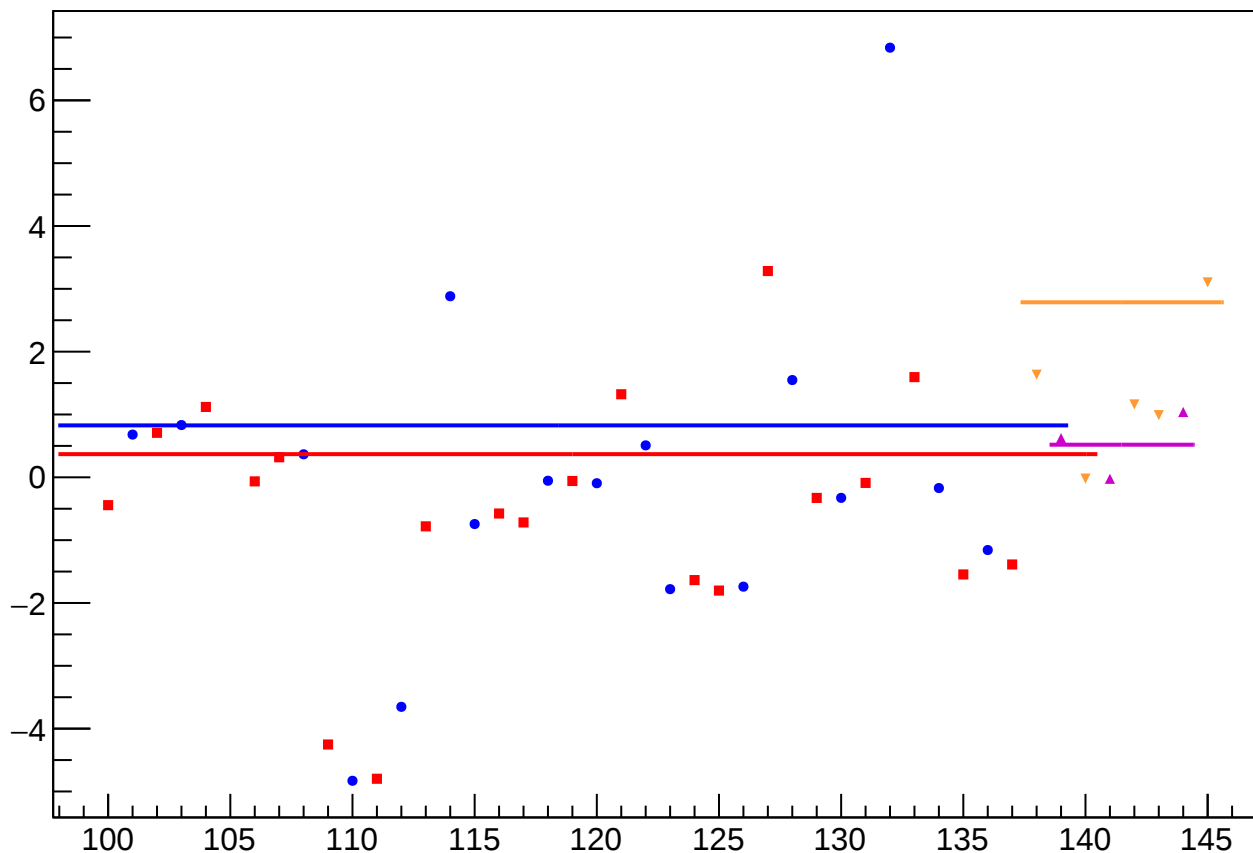
Right Out: 0.053+/-0.000 χ^2/NDF : 2194555.4/19

Left In: 0.089+/-0.000 χ^2/NDF : 246766.7/2

0.049+/-0.000 χ^2/NDF : 3832233.4/21

0.057+/-0.000 χ^2/NDF : 2882902.0/22

yield_bpm1Y_mean vs Slug



Right In: 0.827 ± 0.000 χ^2/NDF : 10936458870.4/16

Left Out: 2.786 ± 0.000 χ^2/NDF : 2179134503.3/4

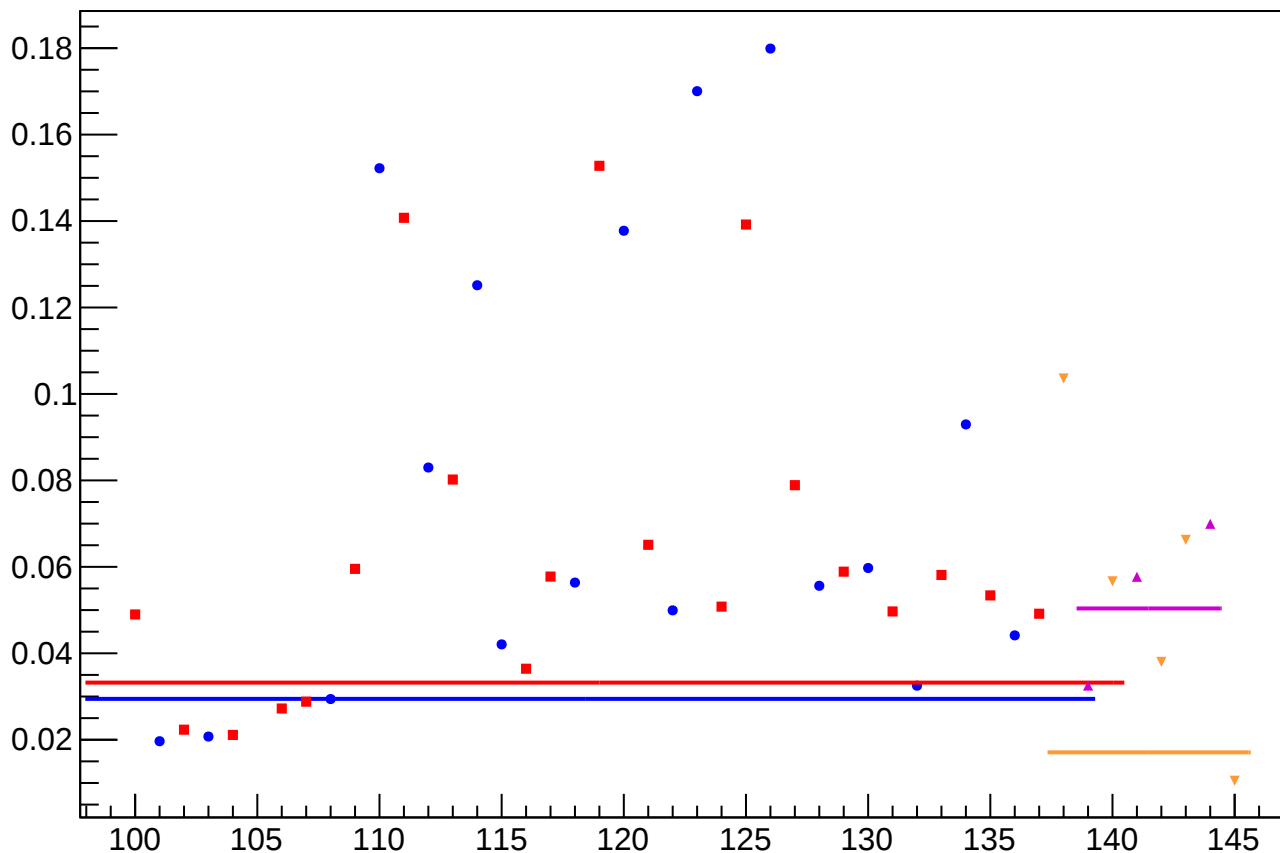
Right Out: 0.369 ± 0.000 χ^2/NDF : 4985860510.0/19

Left In: 0.519 ± 0.000 χ^2/NDF : 74027216.3/2

1.701 ± 0.000 χ^2/NDF : 19858956976.0/21

0.385 ± 0.000 χ^2/NDF : 5068608654.2/22

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.017+/-0.000 χ^2/NDF :2095036.0/4

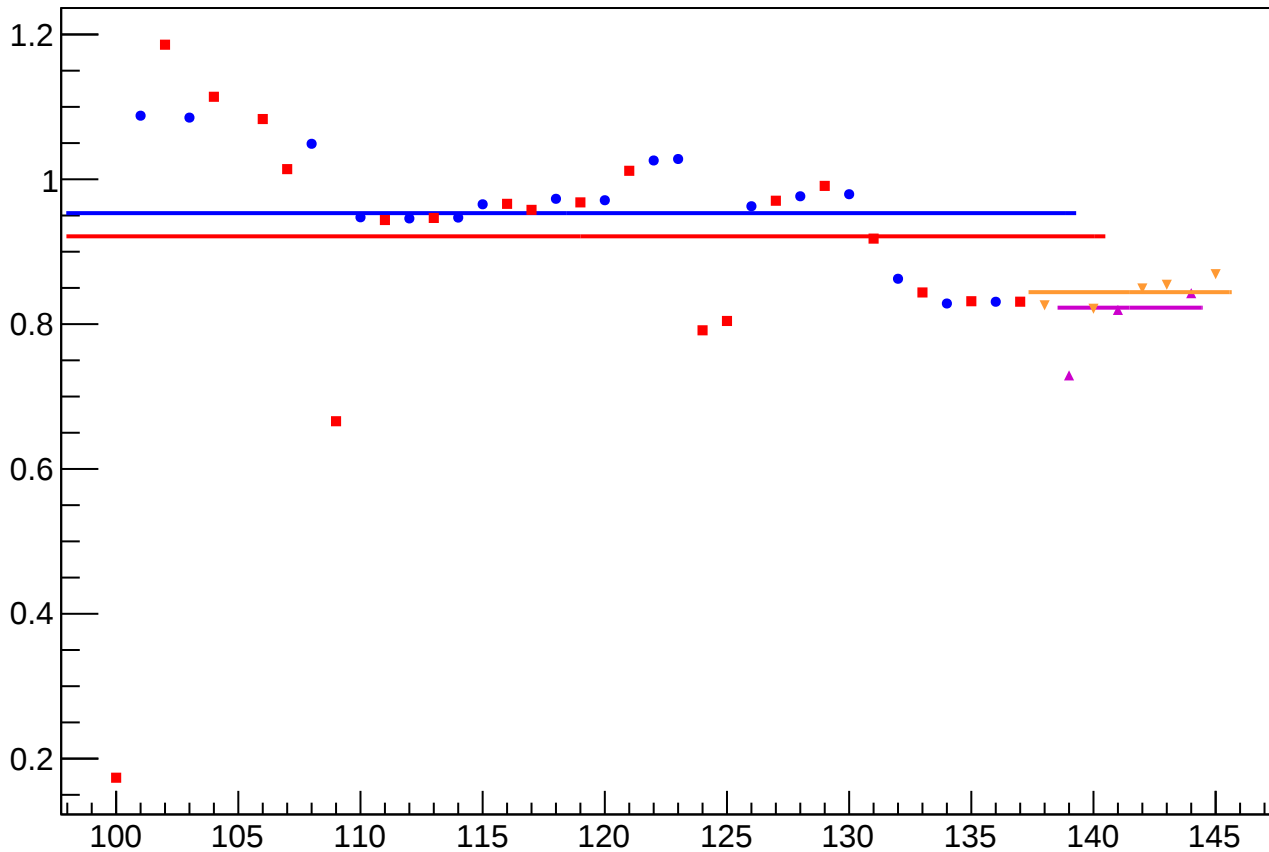
Right Out: 0.033+/-0.000 χ^2/NDF : 3110014.7/19

Left In: 0.050+/-0.000 χ^2/NDF :216265.0/2

0.024+/-0.000 χ^2/NDF : 5686449.7/21

0.035+/-0.000 χ^2/NDF : 3553875.5/22

yield_bpm11X_mean vs Slug



Right In: 0.953 ± 0.000 χ^2/NDF : 175396553.4/16

Left Out: 0.844 ± 0.000 χ^2/NDF : 6196497.2/4

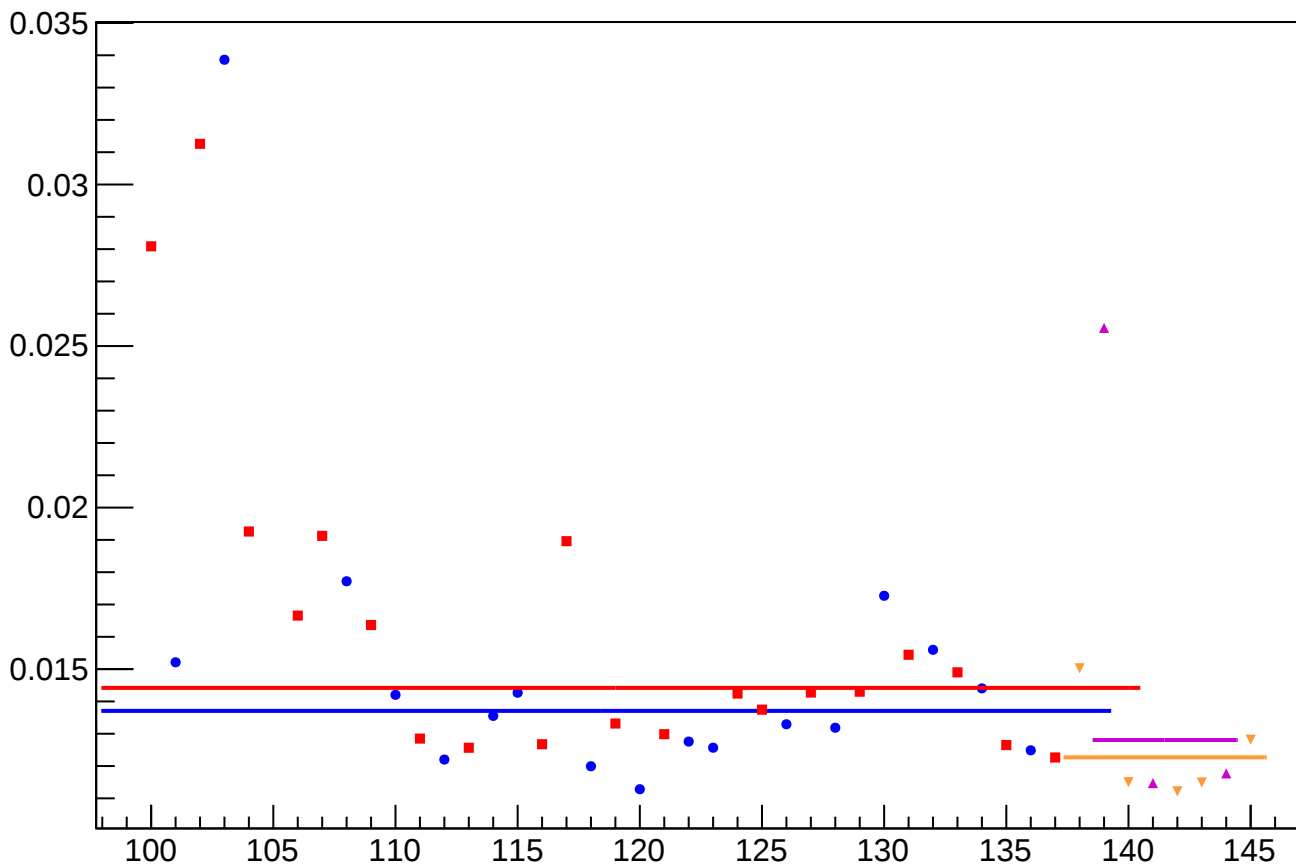
0.914 ± 0.000 χ^2/NDF : 315772941.4/21

Right Out: 0.921 ± 0.000 χ^2/NDF : 374376205.4/19

Left In: 0.823 ± 0.000 χ^2/NDF : 11057795.1/2

0.893 ± 0.000 χ^2/NDF : 467602771.3/22

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 546317.6/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:58066.4/4

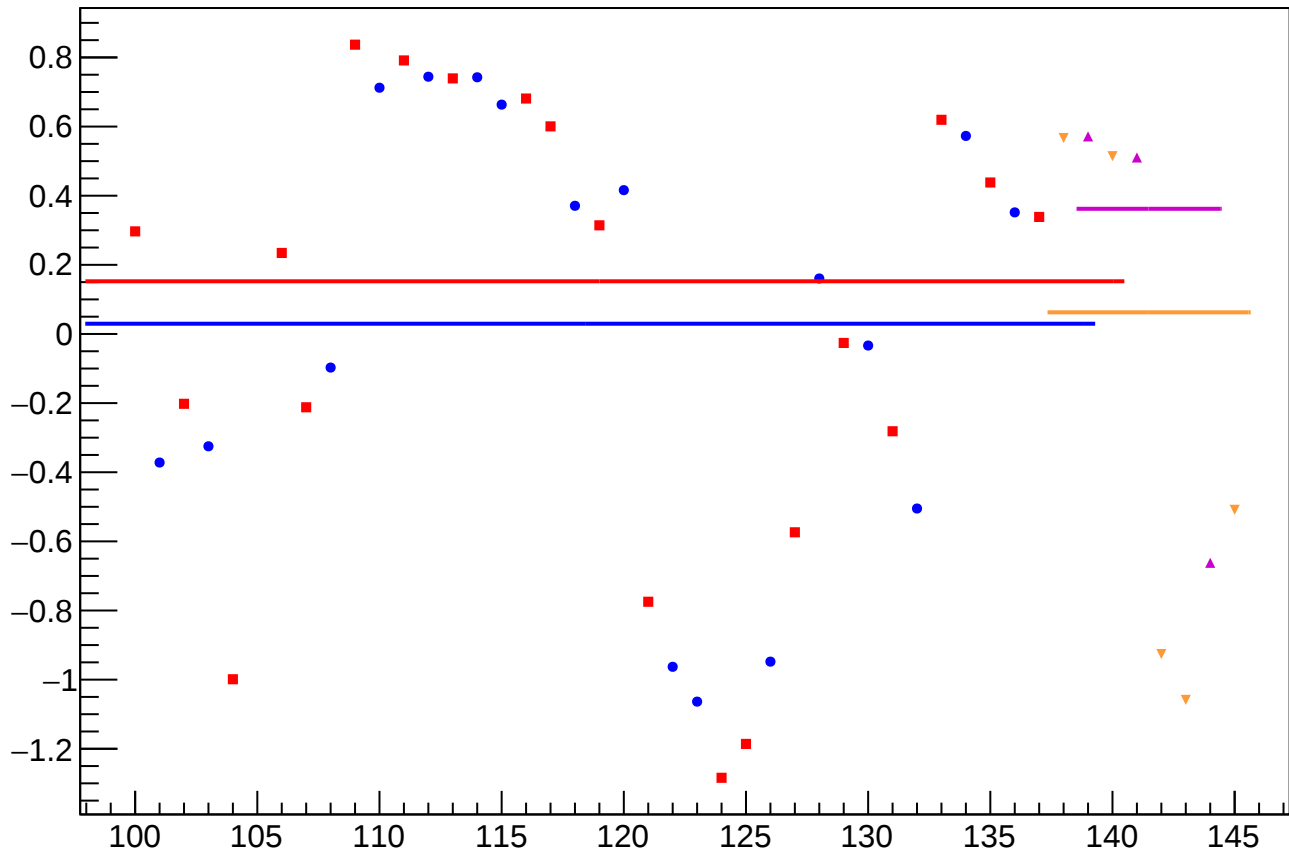
Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 506553.4/19

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:358222.3/2

0.013 $\pm$ 0.000 χ^2 /NDF: 650962.2/21

0.014 $\pm$ 0.000 χ^2 /NDF: 908911.7/22

yield_bpm11Y_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 6294824795.0/16

Left Out: 0.063 $\pm$ 0.000 χ^2 /NDF:14167300192.0/4

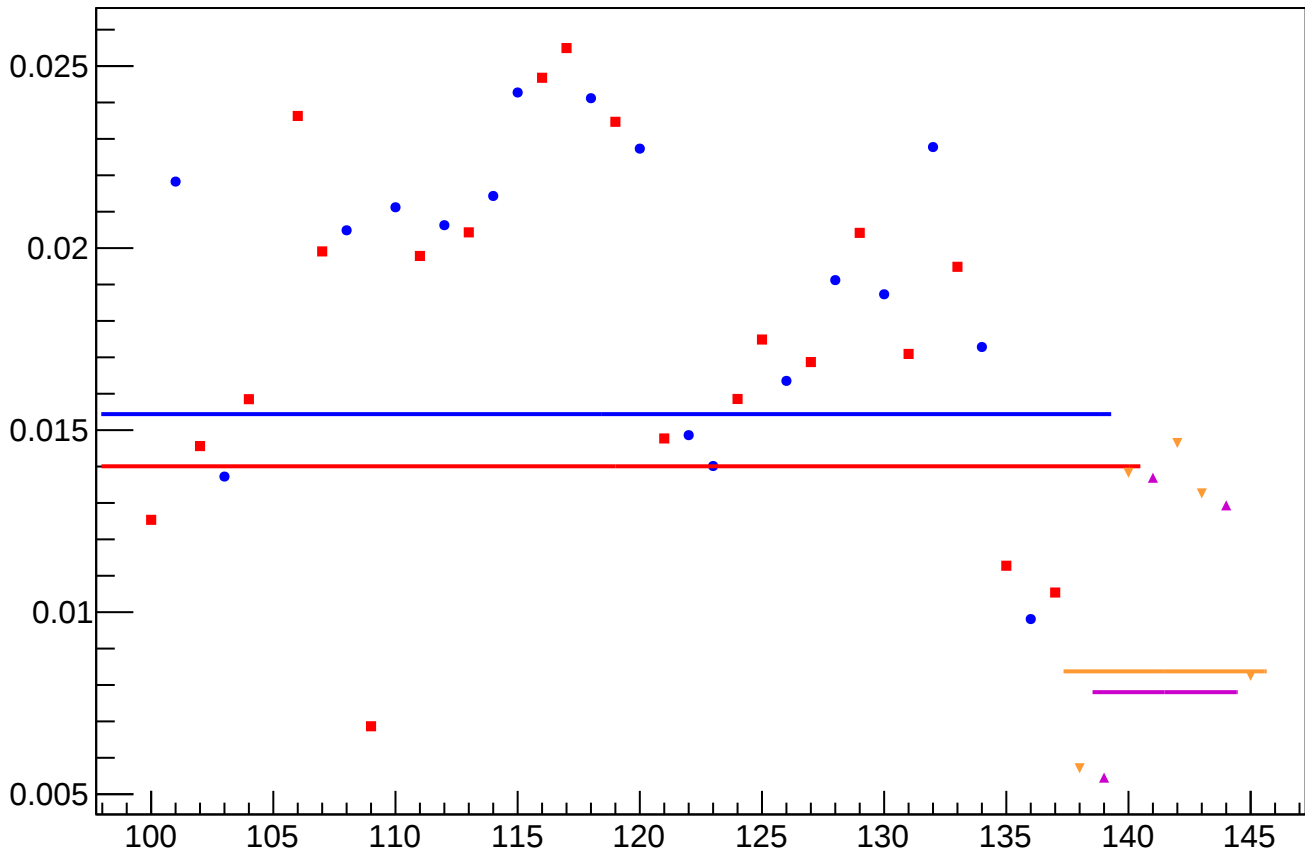
Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12673501089.9/19

Left In: 0.362 $\pm$ 0.000 χ^2 /NDF:6208805811.4/2

0.050 $\pm$ 0.000 χ^2 /NDF: 20477676708.5/21

0.260 $\pm$ 0.000 χ^2 /NDF: 19530950658.1/22

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.008+/-0.000 χ^2/NDF : 783285.8/4

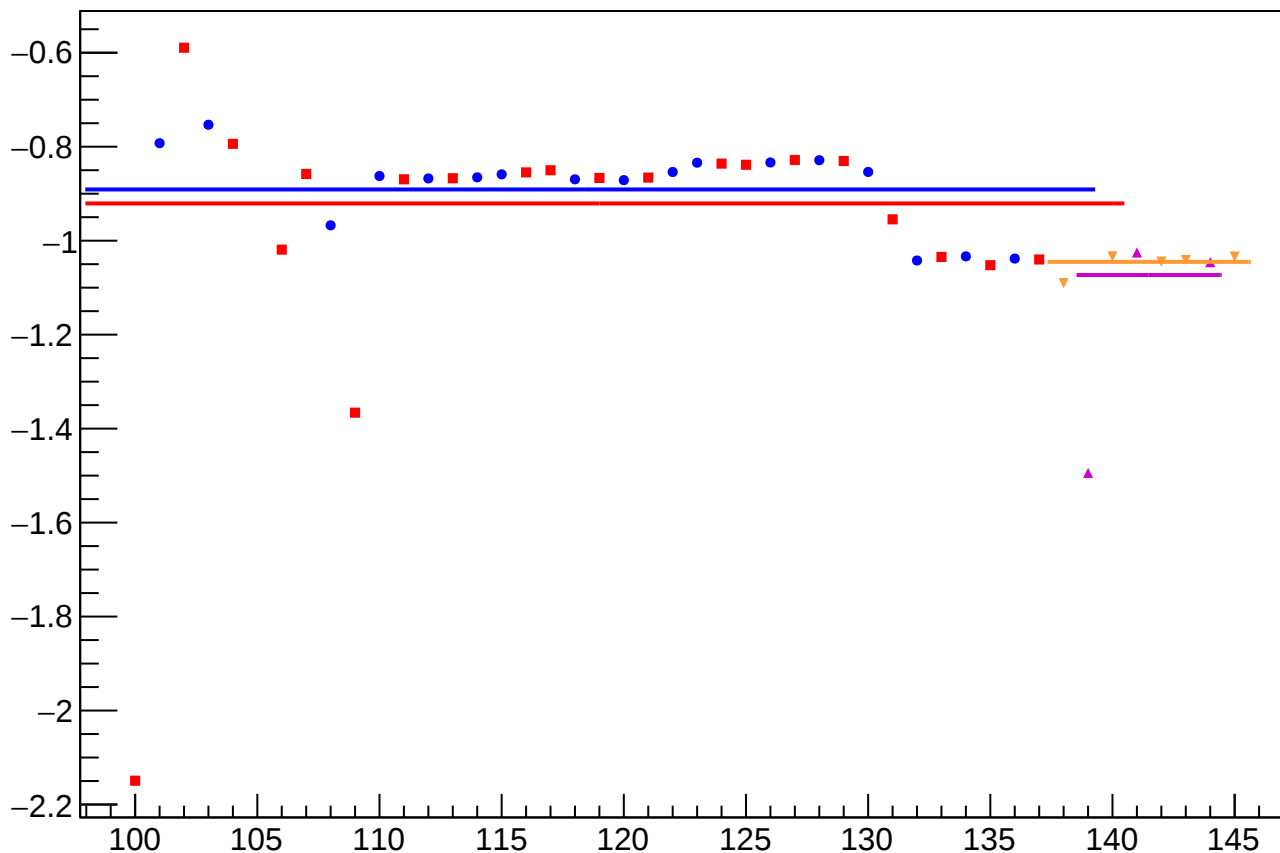
Right Out: 0.014+/-0.000 χ^2/NDF : 1576149.9/19

Left In: 0.008+/-0.000 χ^2/NDF : 782680.8/2

0.011+/-0.000 χ^2/NDF : 3372758.5/21

0.011+/-0.000 χ^2/NDF : 3494024.2/22

yield_bpm12X_mean vs Slug



Right In: -0.891+/-0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.045+/-0.000 χ^2/NDF : 1011347.0/4

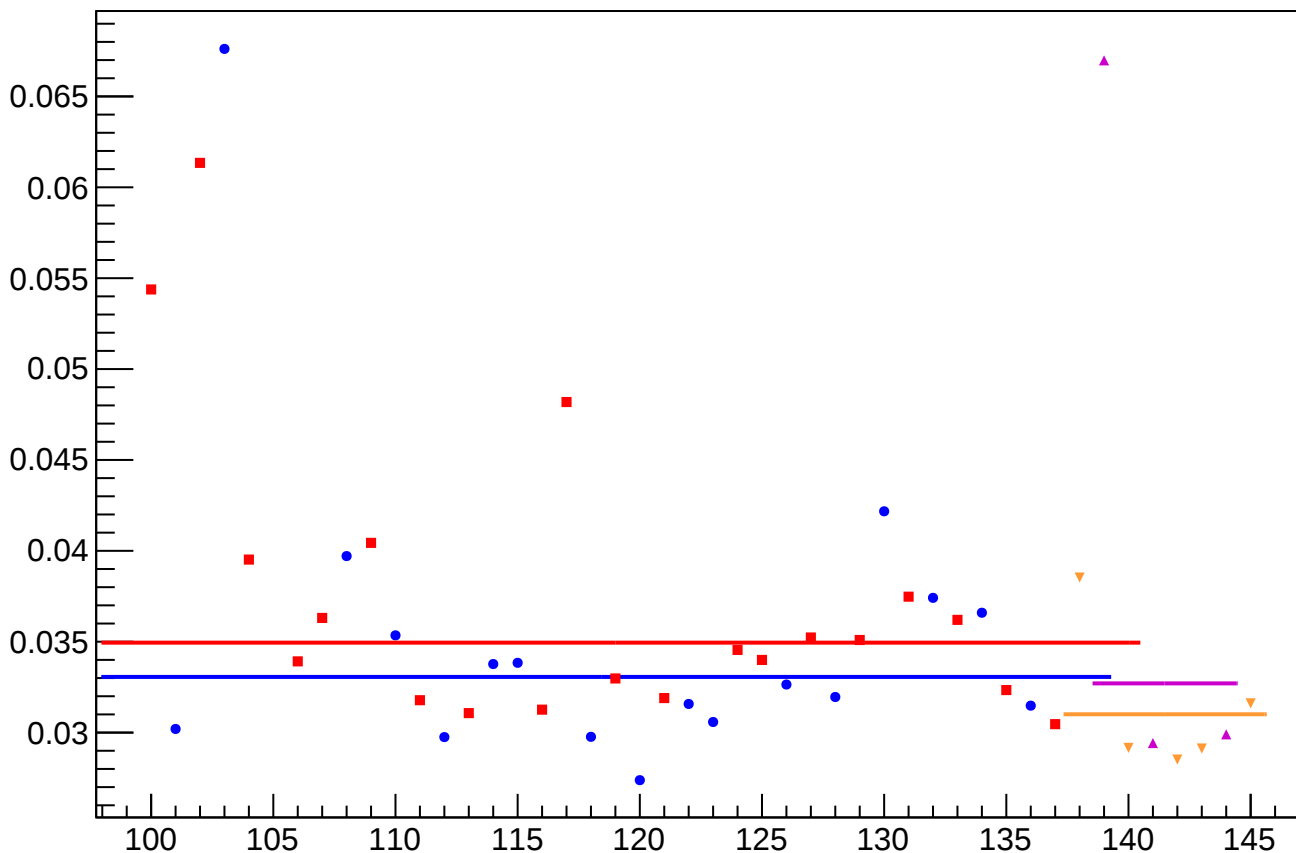
Right Out: -0.921+/-0.000 χ^2/NDF : 131271770.4/19

Left In: -1.073+/-0.000 χ^2/NDF : 28449292.6/2

-0.943+/-0.000 χ^2/NDF : 83715107.0/21

-0.961+/-0.000 χ^2/NDF : 190526068.5/22

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 409286.7/16

Left Out: 0.031+/-0.000 χ^2/NDF :59901.8/4

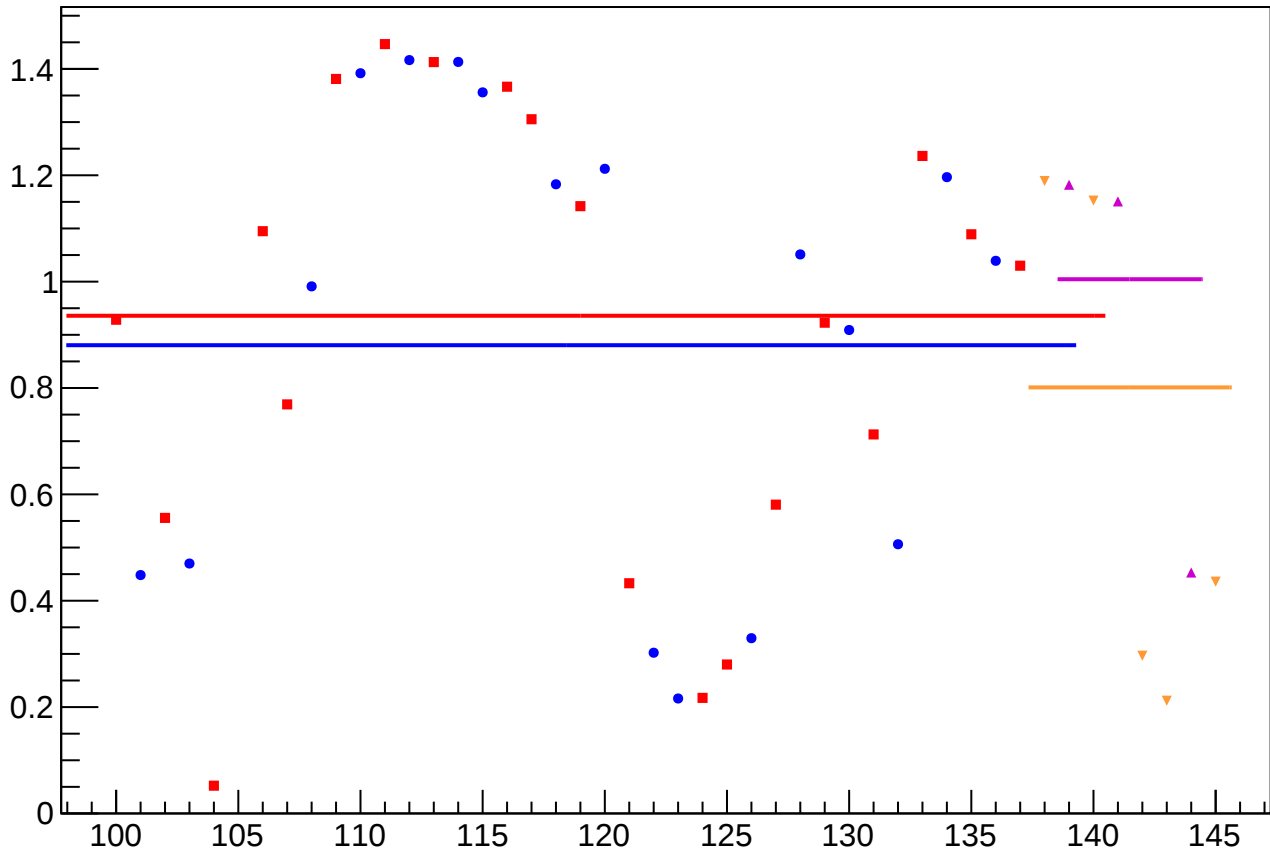
Right Out: 0.035+/-0.000 χ^2/NDF : 280500.4/19

Left In: 0.033+/-0.000 χ^2/NDF :374733.4/2

0.032+/-0.000 χ^2/NDF : 484533.3/21

0.034+/-0.000 χ^2/NDF : 668585.8/22

yield_bpm12Y_mean vs Slug



Right In: 0.880+/-0.000 χ^2/NDF : 6400108121.4/16

Left Out: 0.801+/-0.000 χ^2/NDF : 10221458357.8/4

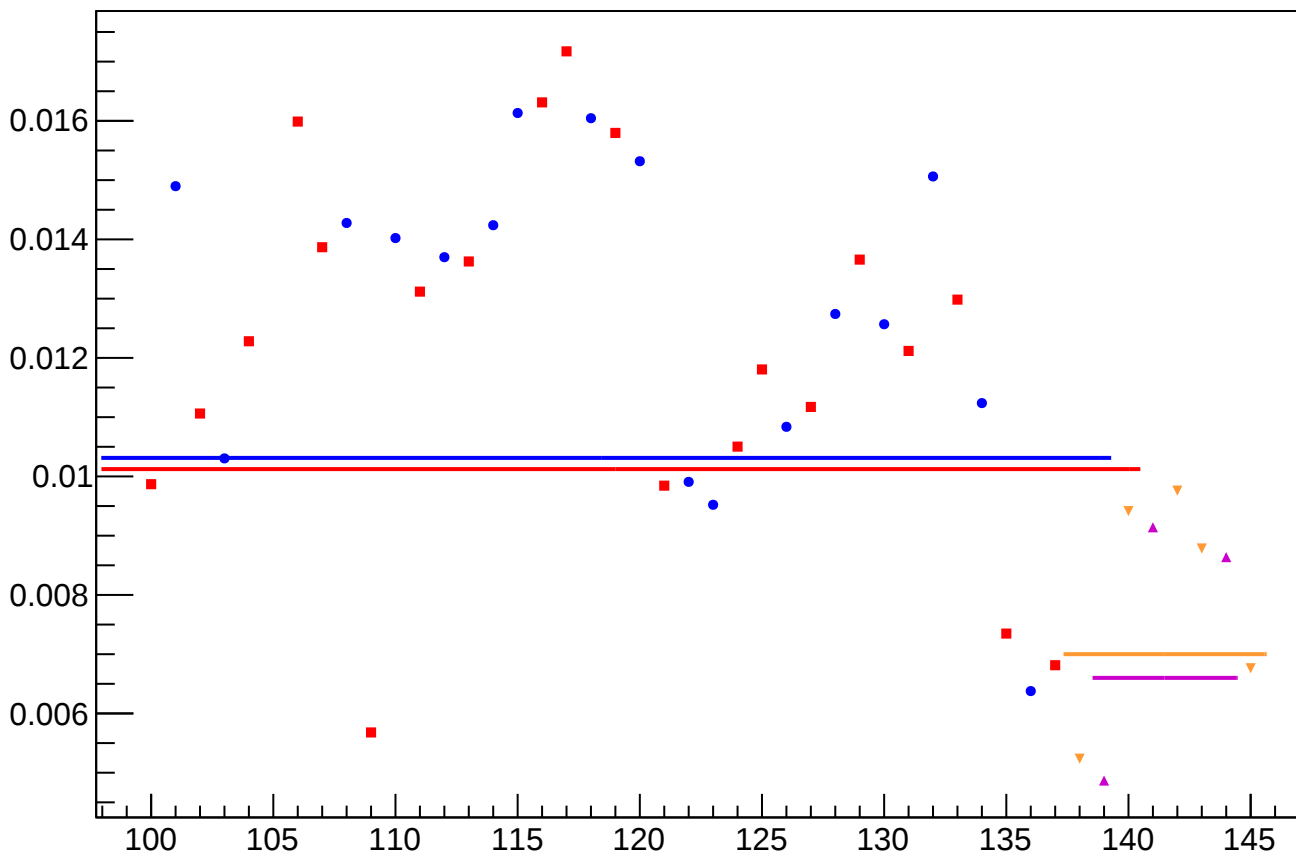
Right Out: 0.936+/-0.000 χ^2/NDF : 9851303698.9/19

Left In: 1.005+/-0.000 χ^2/NDF : 4422436833.4/2

0.839+/-0.000 χ^2/NDF : 16796414135.4/21

0.967+/-0.000 χ^2/NDF : 14395776930.7/22

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1231066.2/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:357229.8/4

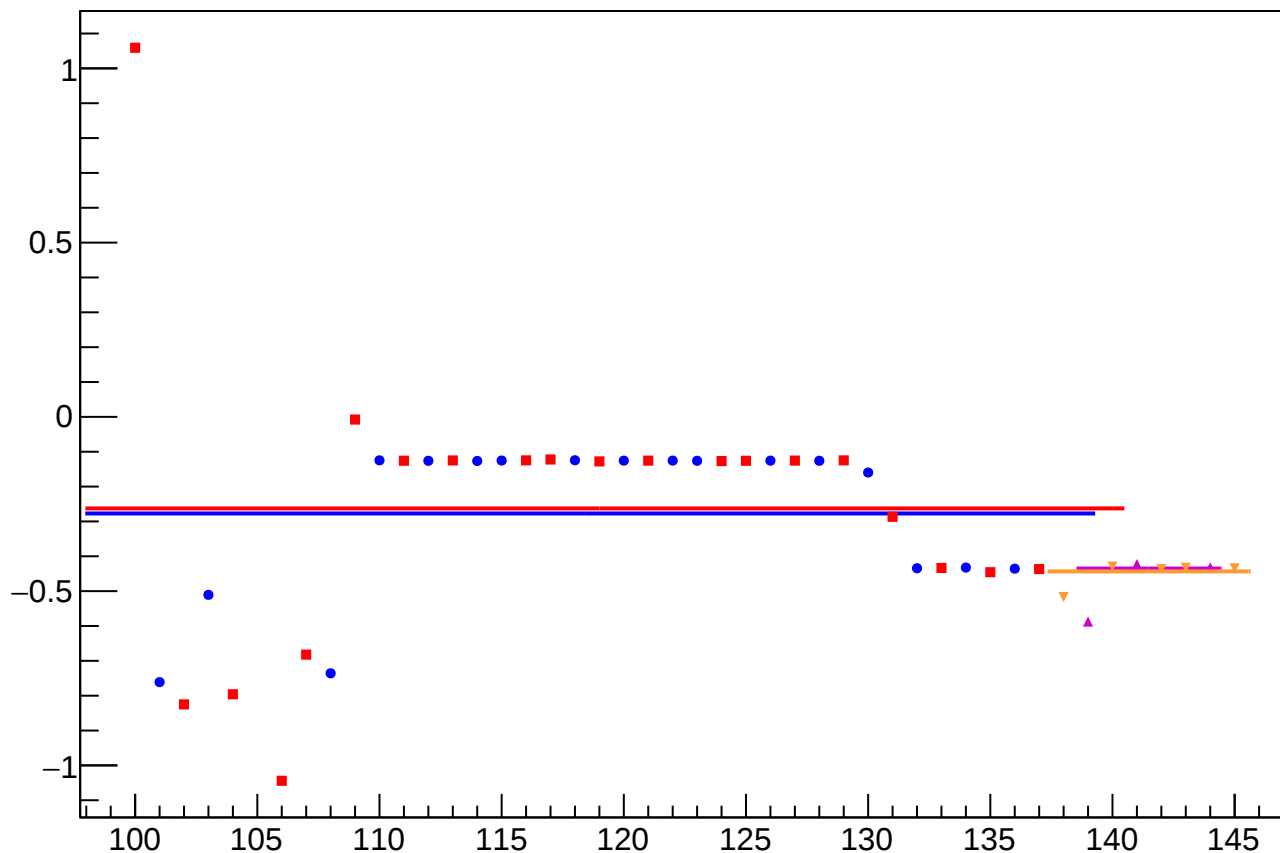
Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1191429.9/19

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:373602.4/2

0.009 $\pm$ 0.000 χ^2 /NDF: 2198025.6/21

0.009 $\pm$ 0.000 χ^2 /NDF: 2207520.5/22

yield_bpm16X_mean vs Slug



Right In: -0.277+/-0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.443+/-0.000 χ^2/NDF : 22536760.9/4

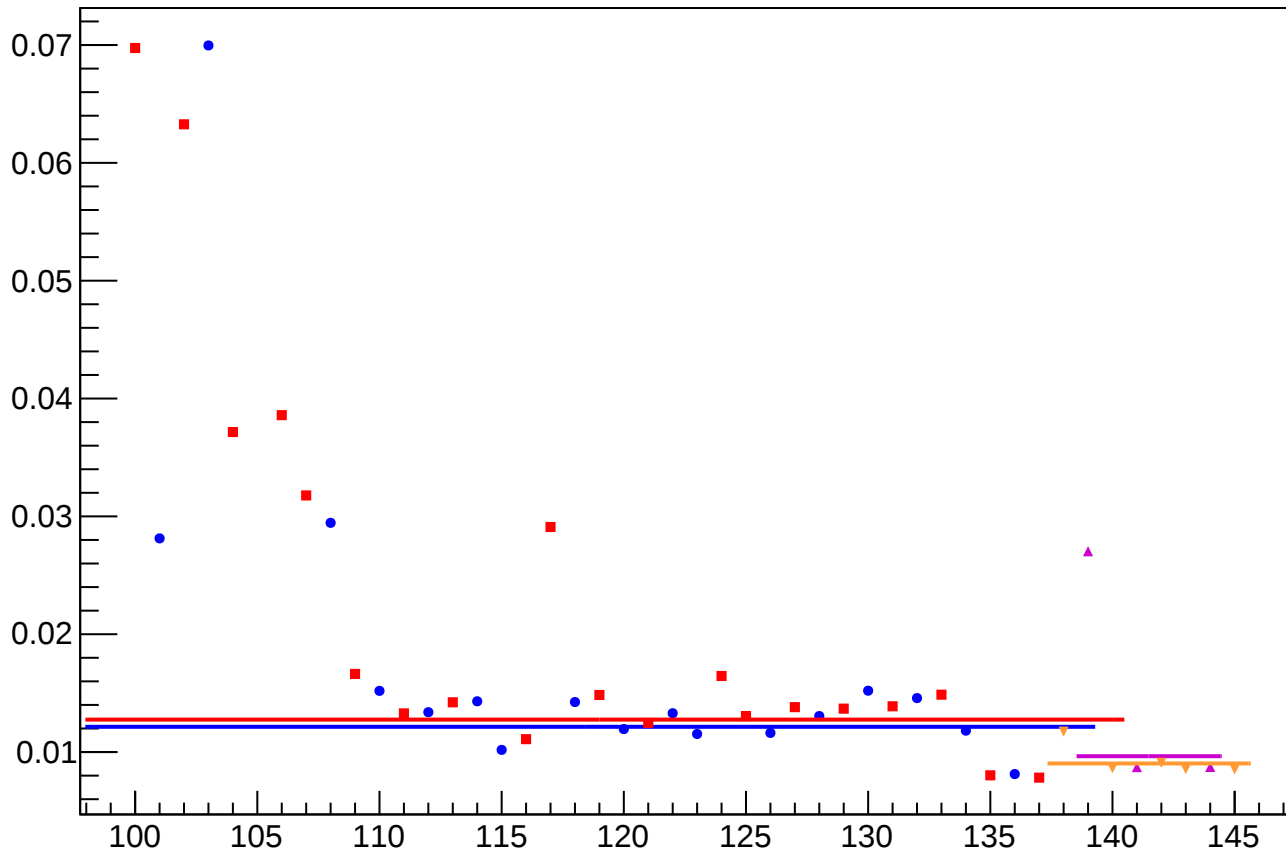
Right Out: -0.263+/-0.000 χ^2/NDF : 1009303829.9/19

Left In: -0.435+/-0.000 χ^2/NDF : 22523659.9/2

-0.357+/-0.000 χ^2/NDF : 1386131457.4/21

-0.328+/-0.000 χ^2/NDF : 1368428017.4/22

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1727494.7/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:62115.0/4

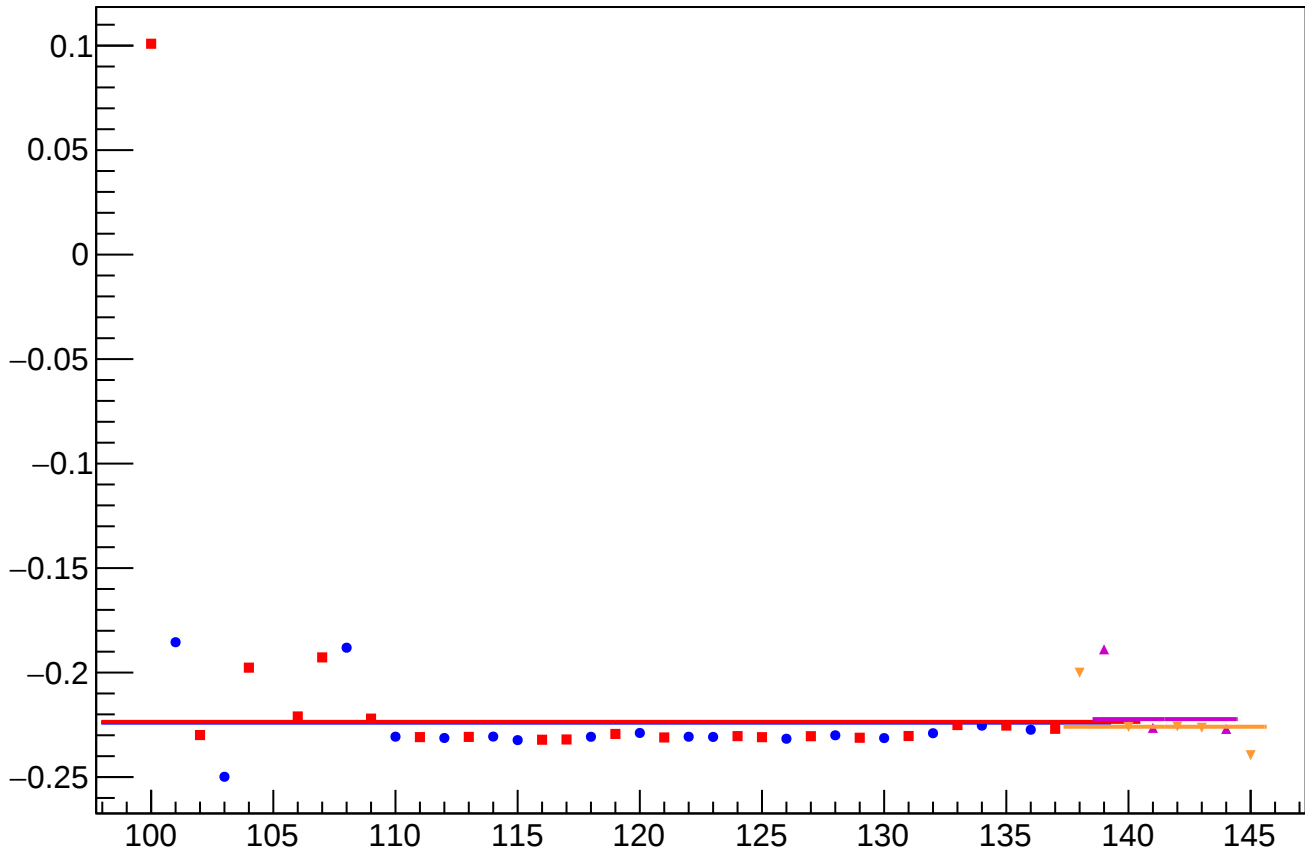
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1993726.2/19

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:579052.9/2

0.011 $\pm$ 0.000 χ^2 /NDF: 2086132.4/21

0.012 $\pm$ 0.000 χ^2 /NDF: 2790948.9/22

yield_bpm16Y_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF : 74704721.6/16

Left Out: -0.226+/-0.000 χ^2/NDF : 20469470.3/4

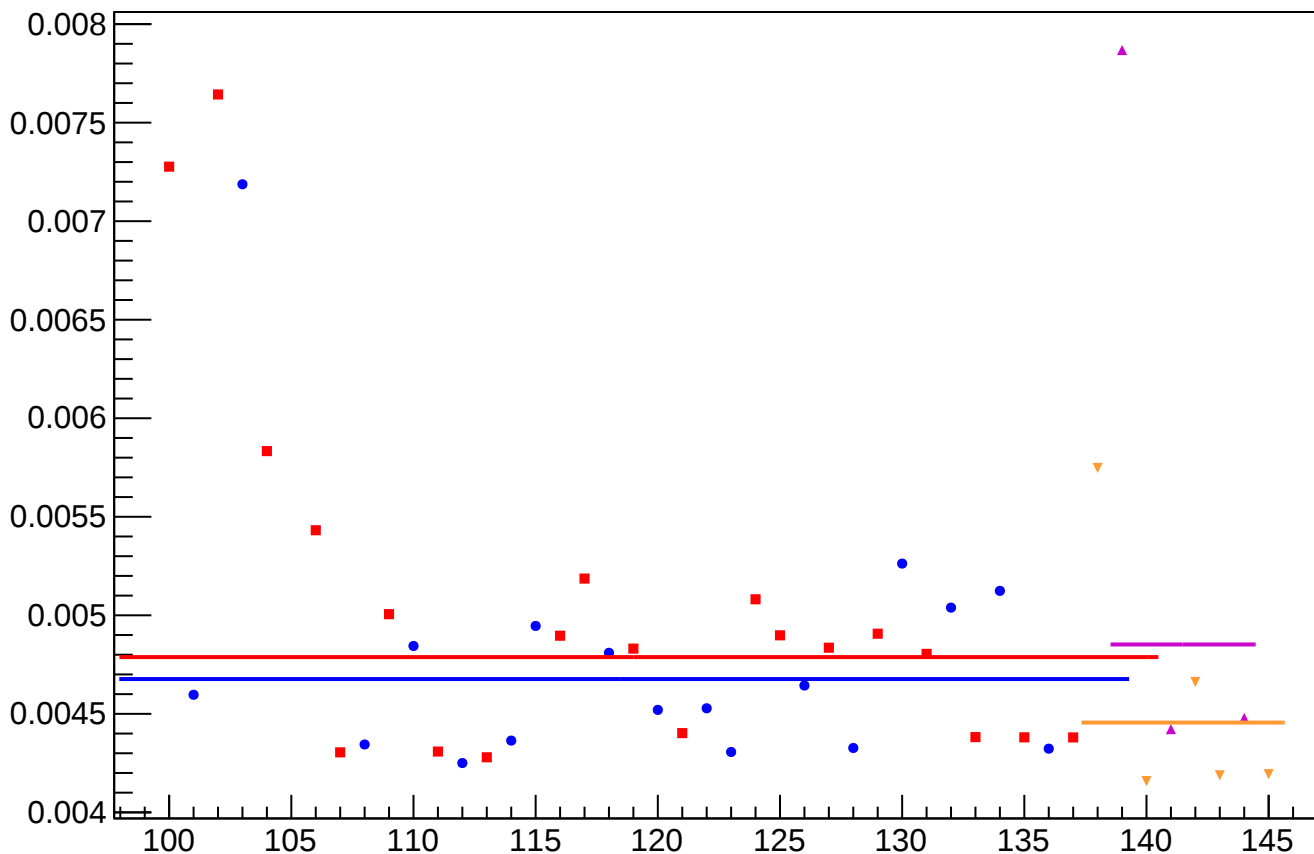
-0.225+/-0.000 χ^2/NDF : 95547749.3/21

Right Out: -0.224+/-0.000 χ^2/NDF : 168231258.4/19

-0.223+/-0.000 χ^2/NDF : 181461691.4/22

Left In: -0.222+/-0.000 χ^2/NDF : 13113008.1/2

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 181335.1/16

Left Out: 0.004+/-0.000 χ^2/NDF : 85802.5/4

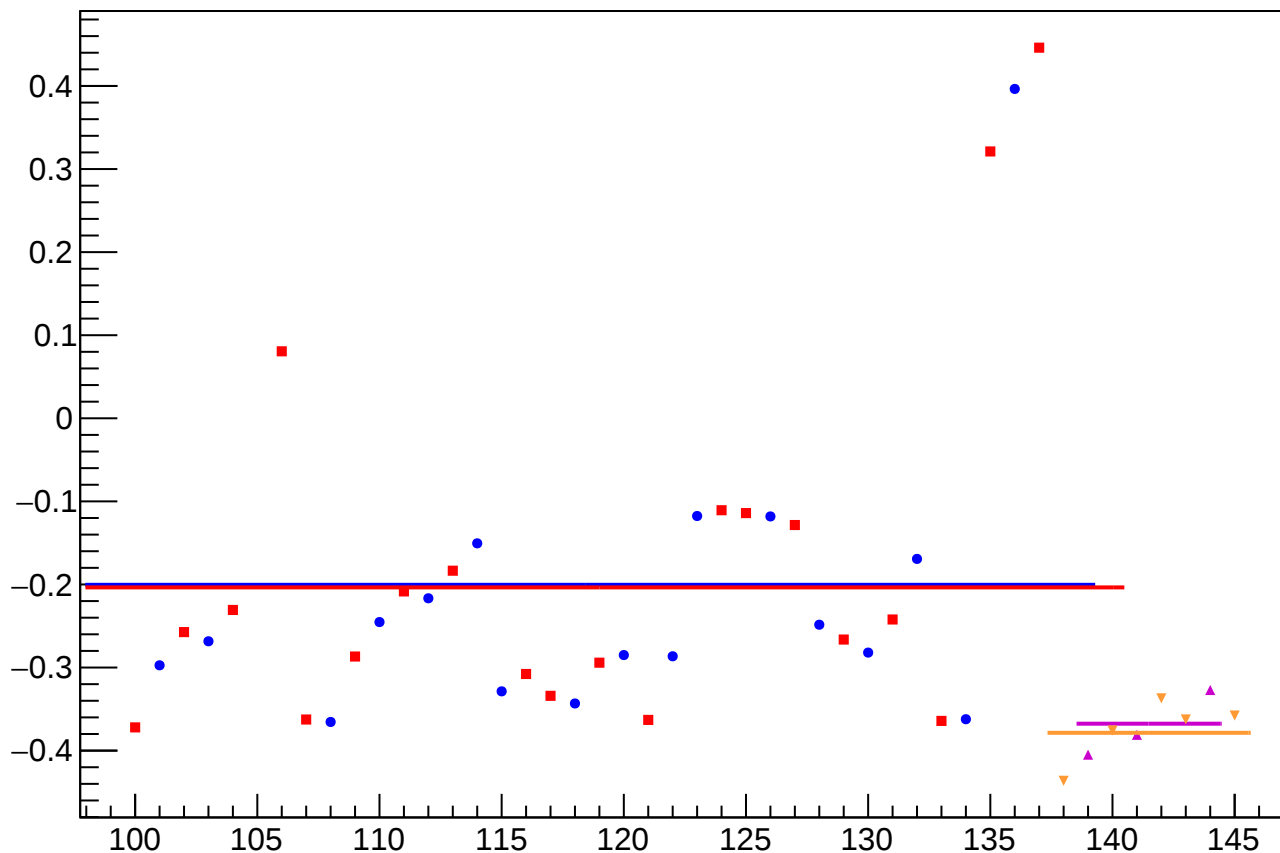
Right Out: 0.005+/-0.000 χ^2/NDF : 248668.3/19

Left In: 0.005+/-0.000 χ^2/NDF : 214057.8/2

0.005+/-0.000 χ^2/NDF : 276473.2/21

0.005+/-0.000 χ^2/NDF : 463278.0/22

yield_bpm0i02X_mean vs Slug



Right In: -0.200+/-0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.379+/-0.000 χ^2/NDF : 143034790.7/4

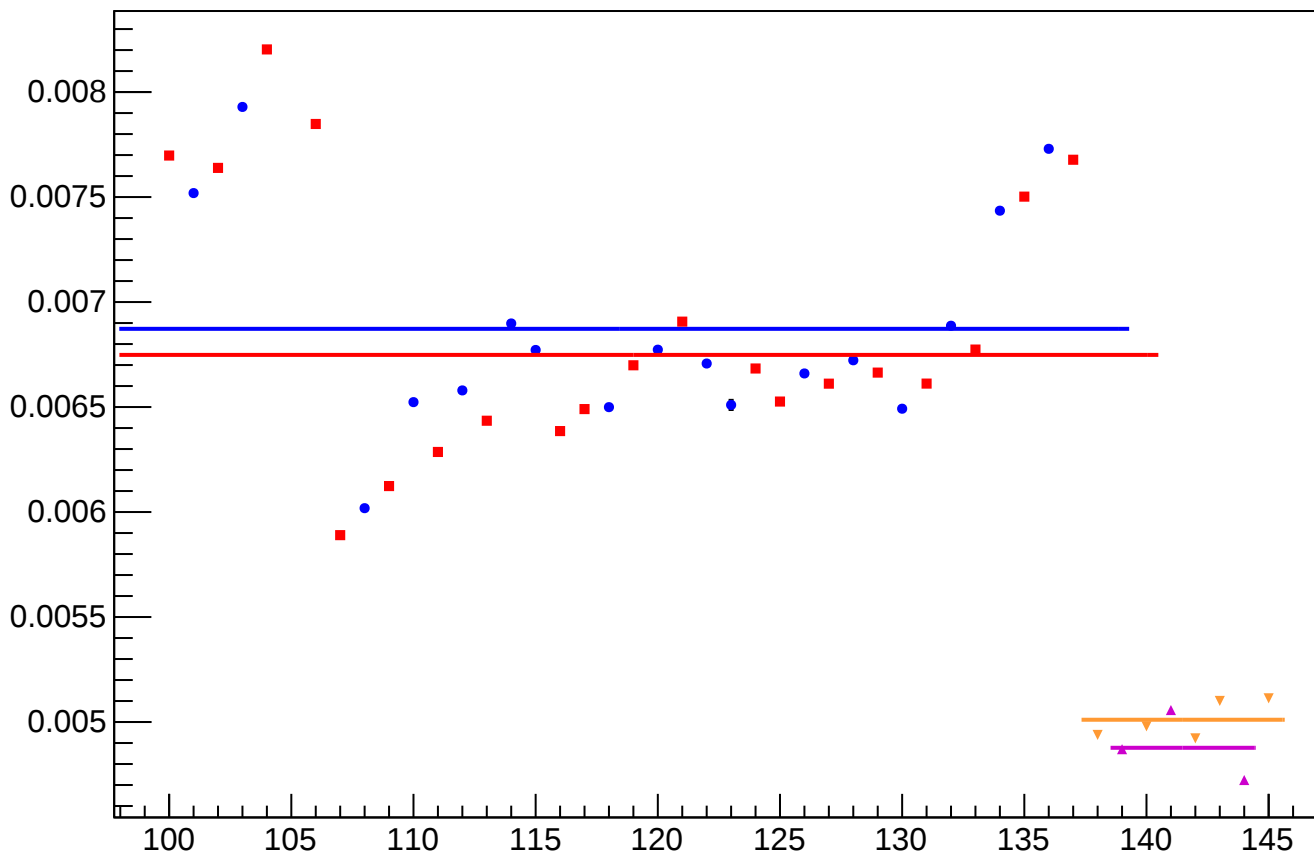
Right Out: -0.204+/-0.000 χ^2/NDF : 5045878528.0/19

Left In: -0.368+/-0.000 χ^2/NDF : 104209046.9/2

-0.285+/-0.000 χ^2/NDF : 8202435023.9/21

-0.267+/-0.000 χ^2/NDF : 6735023602.4/22

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 :1517.1/4

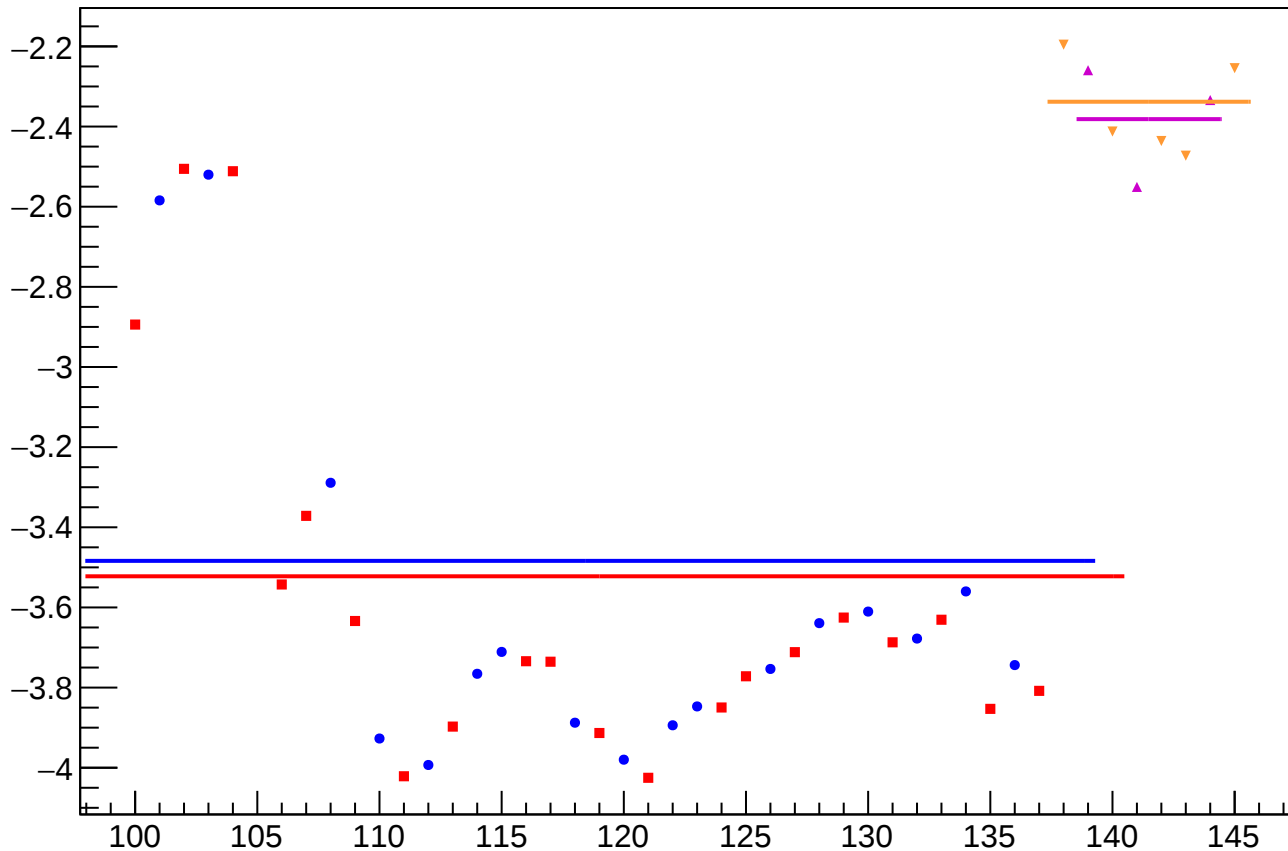
Right Out: 0.007+/-0.000 χ^2/NDF : 105262.1/19

Left In: 0.005+/-0.000 χ^2/NDF :3777.6/2

0.006+/-0.000 χ^2/NDF : 535765.2/21

0.006+/-0.000 χ^2/NDF : 521419.9/22

yield_bpm0i02Y_mean vs Slug



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.338+/-0.000 χ^2/NDF : 376003139.4/4

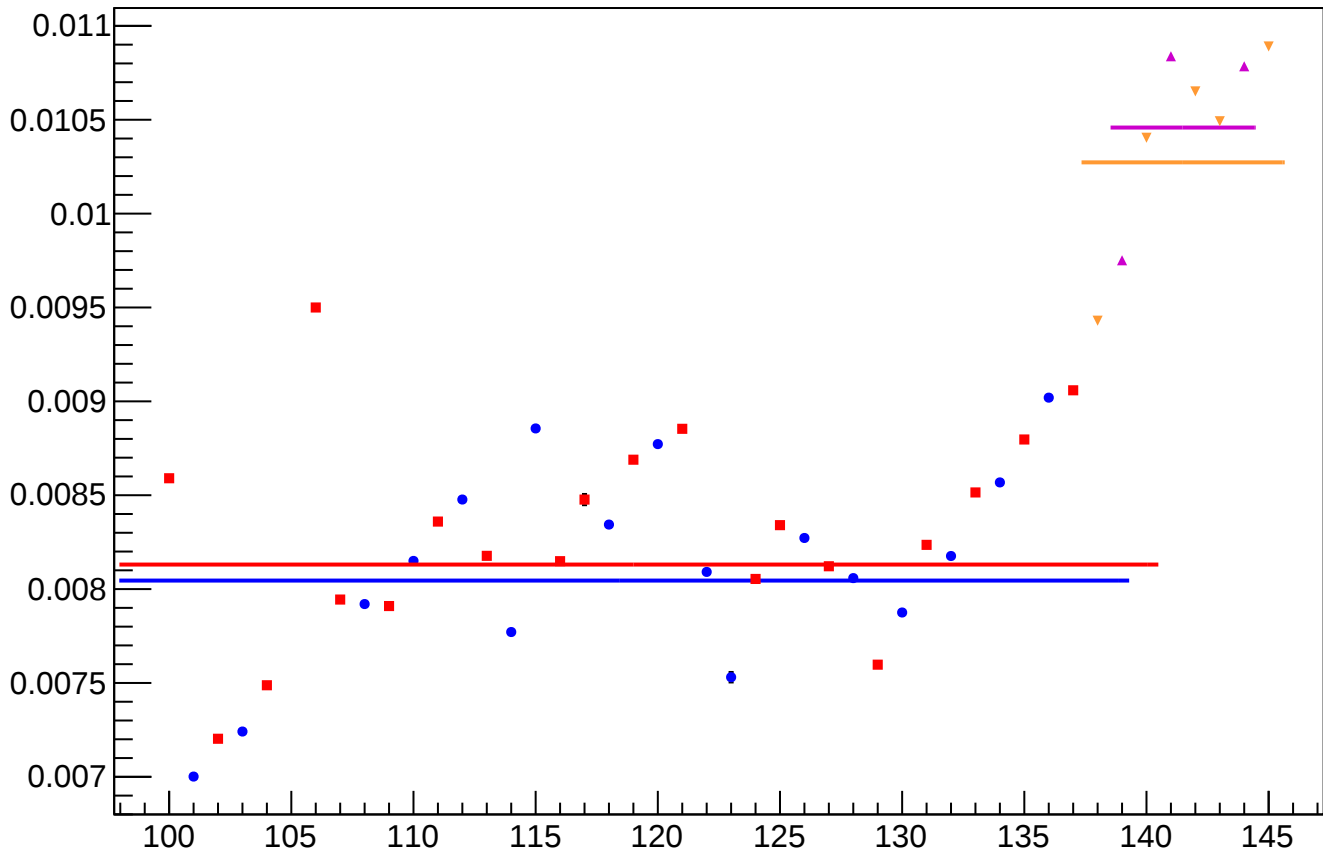
-3.221+/-0.000 χ^2/NDF : 57841802404.4/21

Right Out: -3.522+/-0.000 χ^2/NDF : 26497611752.4/19

-3.327+/-0.000 χ^2/NDF : 49768497886.8/22

Left In: -2.381+/-0.000 χ^2/NDF : 324914874.5/2

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 :17600.1/4

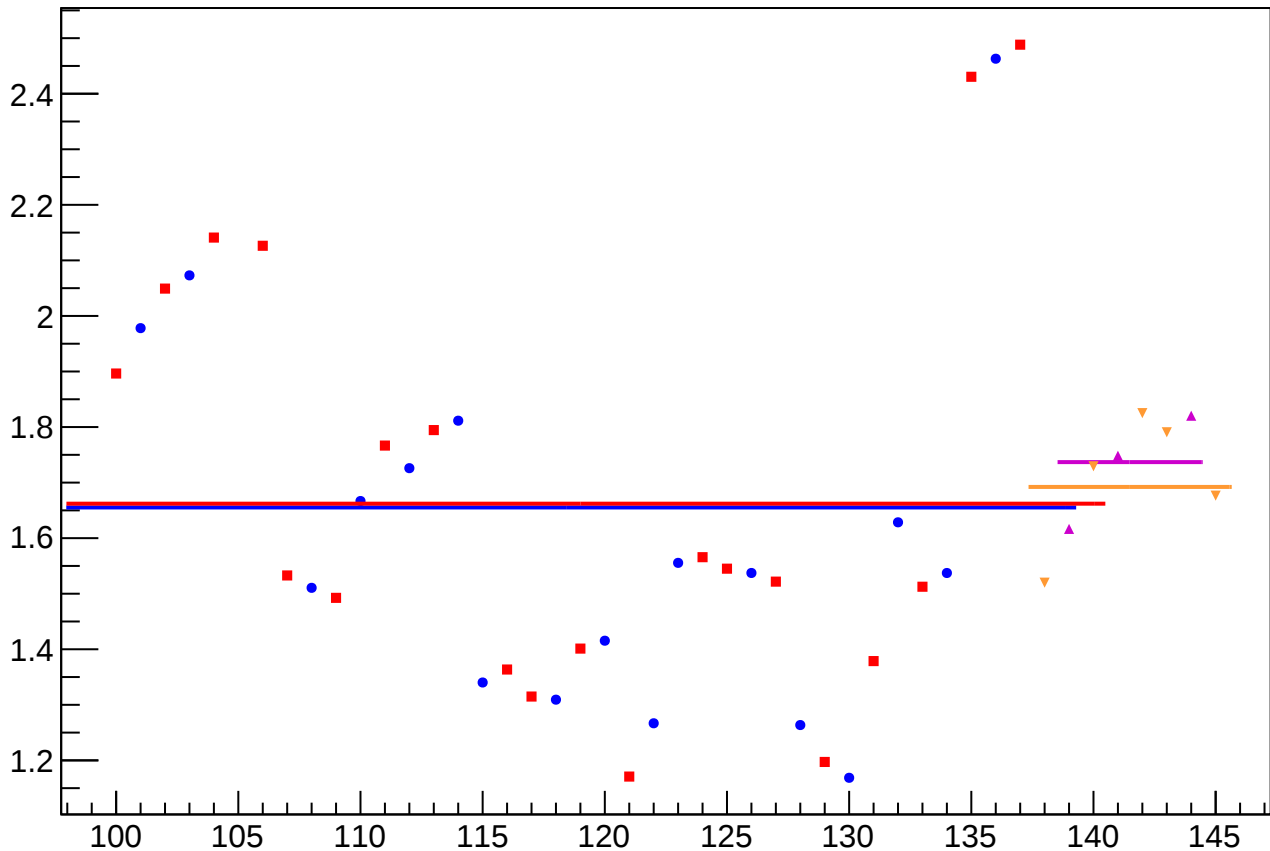
Right Out: 0.008+/-0.000 χ^2/NDF : 57613.2/19

Left In: 0.010+/-0.000 χ^2/NDF :10639.5/2

0.009+/-0.000 χ^2/NDF : 318606.8/21

0.009+/-0.000 χ^2/NDF : 259316.4/22

yield_bpm0i02aX_mean vs Slug



Right In: 1.655+/-0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.692+/-0.000 χ^2/NDF :299202447.9/4

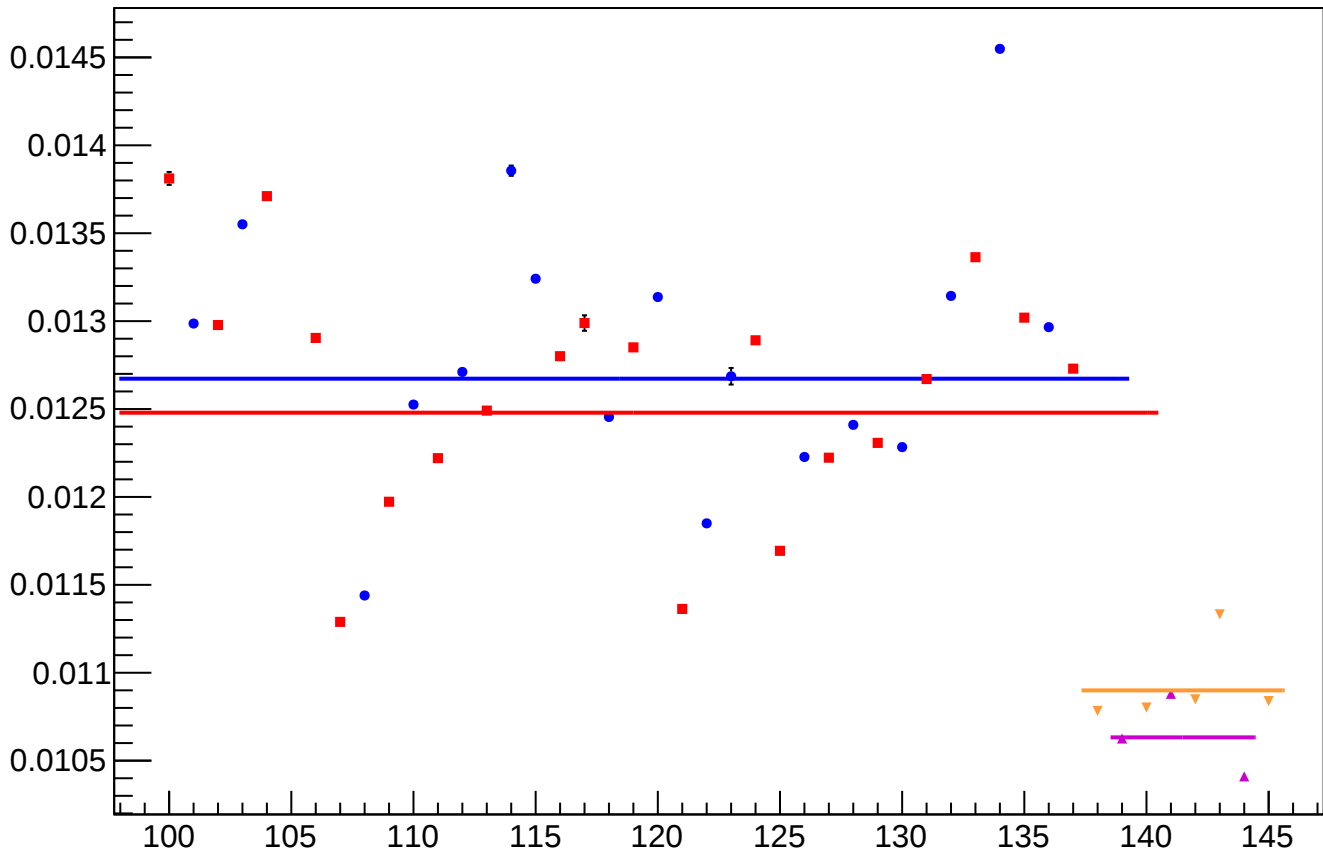
1.670+/-0.000 χ^2/NDF : 6797864268.7/21

Right Out: 1.662+/-0.000 χ^2/NDF : 5975345573.0/19

1.686+/-0.000 χ^2/NDF : 6194436648.1/22

Left In: 1.737+/-0.000 χ^2/NDF :140316036.2/2

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 :2021.4/4

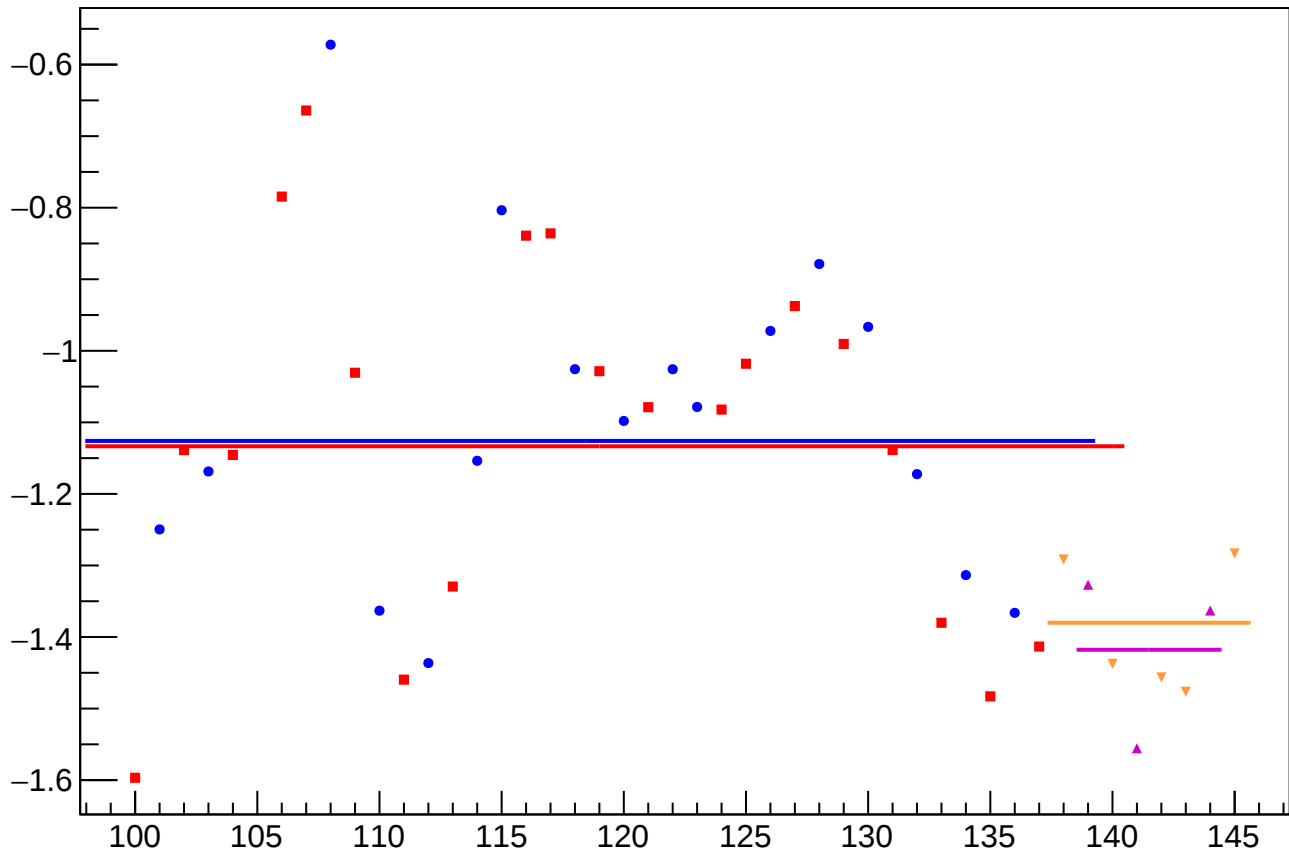
Right Out: 0.012+/-0.000 χ^2/NDF : 39268.9/19

Left In: 0.011+/-0.000 χ^2/NDF :1609.6/2

0.012+/-0.000 χ^2/NDF : 135912.1/21

0.012+/-0.000 χ^2/NDF : 136858.5/22

yield_bpm0i02aY_mean vs Slug



Right In: -1.126 ± 0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.380 ± 0.000 χ^2/NDF : 312522076.9/4

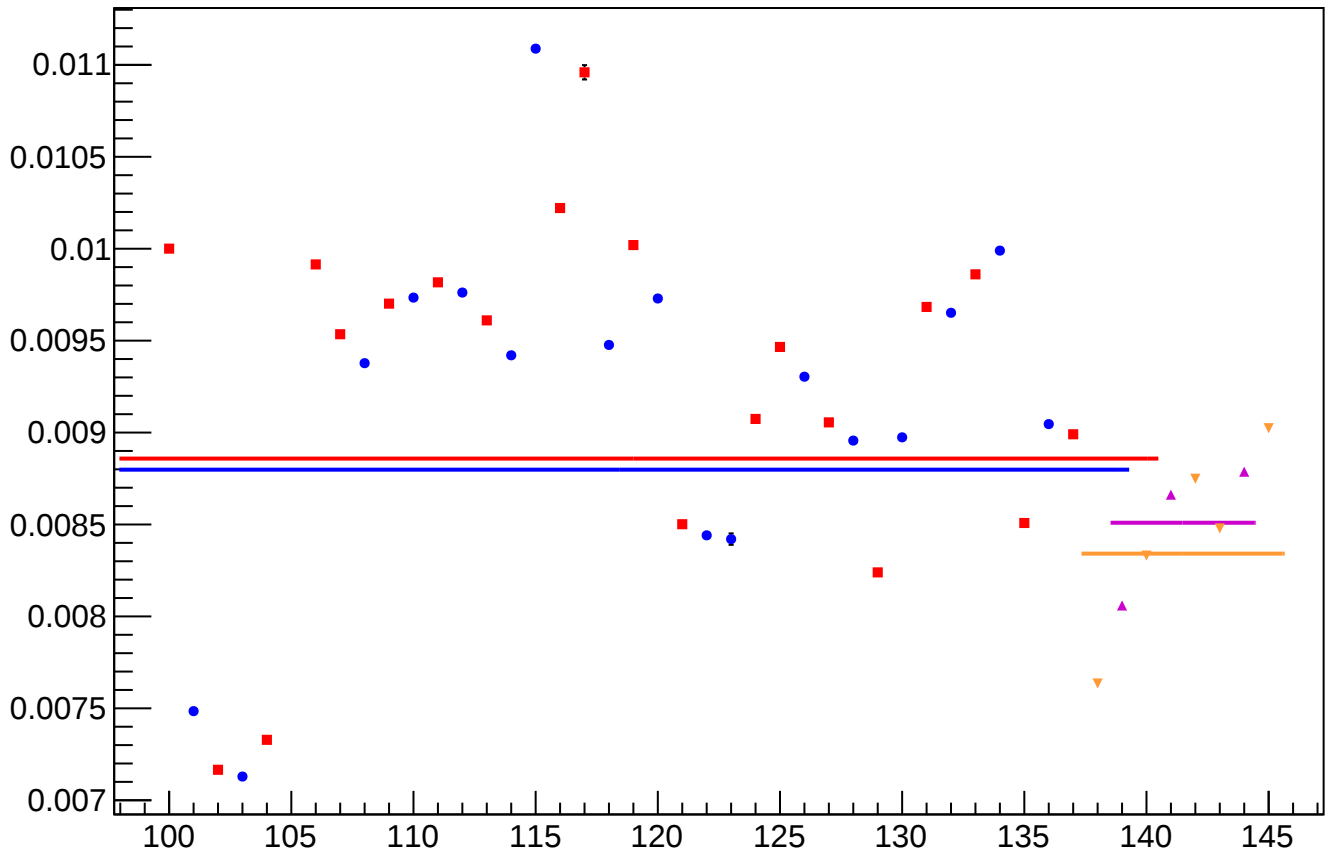
Right Out: -1.133 ± 0.000 χ^2/NDF : 3706528266.7/19

Left In: -1.418 ± 0.000 χ^2/NDF : 324912454.7/2

-1.215 ± 0.000 χ^2/NDF : 5760631076.3/21

-1.211 ± 0.000 χ^2/NDF : 5903589657.3/22

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 :21565.9/4

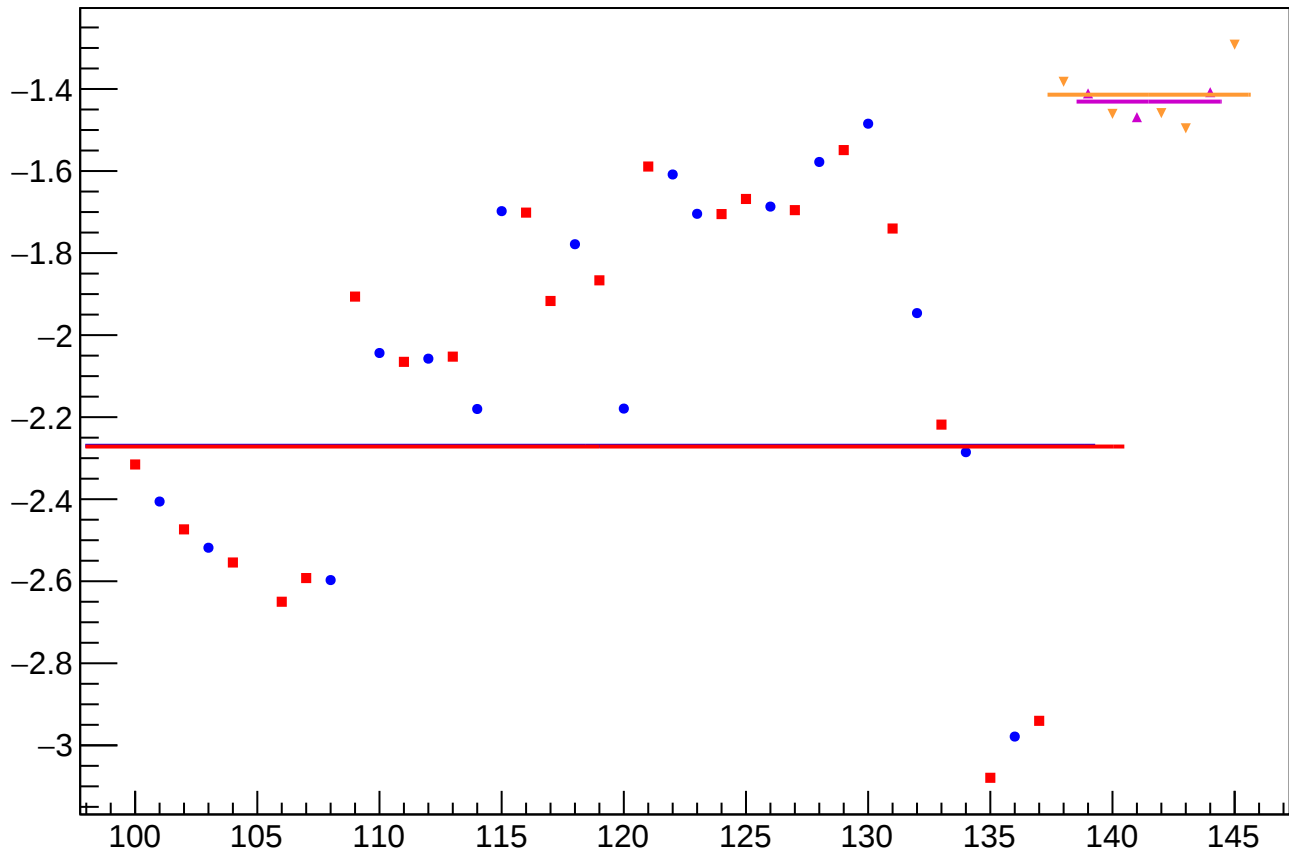
Right Out: 0.009+/-0.000 χ^2/NDF : 176858.0/19

Left In: 0.009+/-0.000 χ^2/NDF :6301.6/2

0.009+/-0.000 χ^2/NDF : 185253.0/21

0.009+/-0.000 χ^2/NDF : 188799.1/22

yield_bpm0i05X_mean vs Slug



Right In: -2.270+/-0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.414+/-0.000 χ^2/NDF : 288334064.3/4

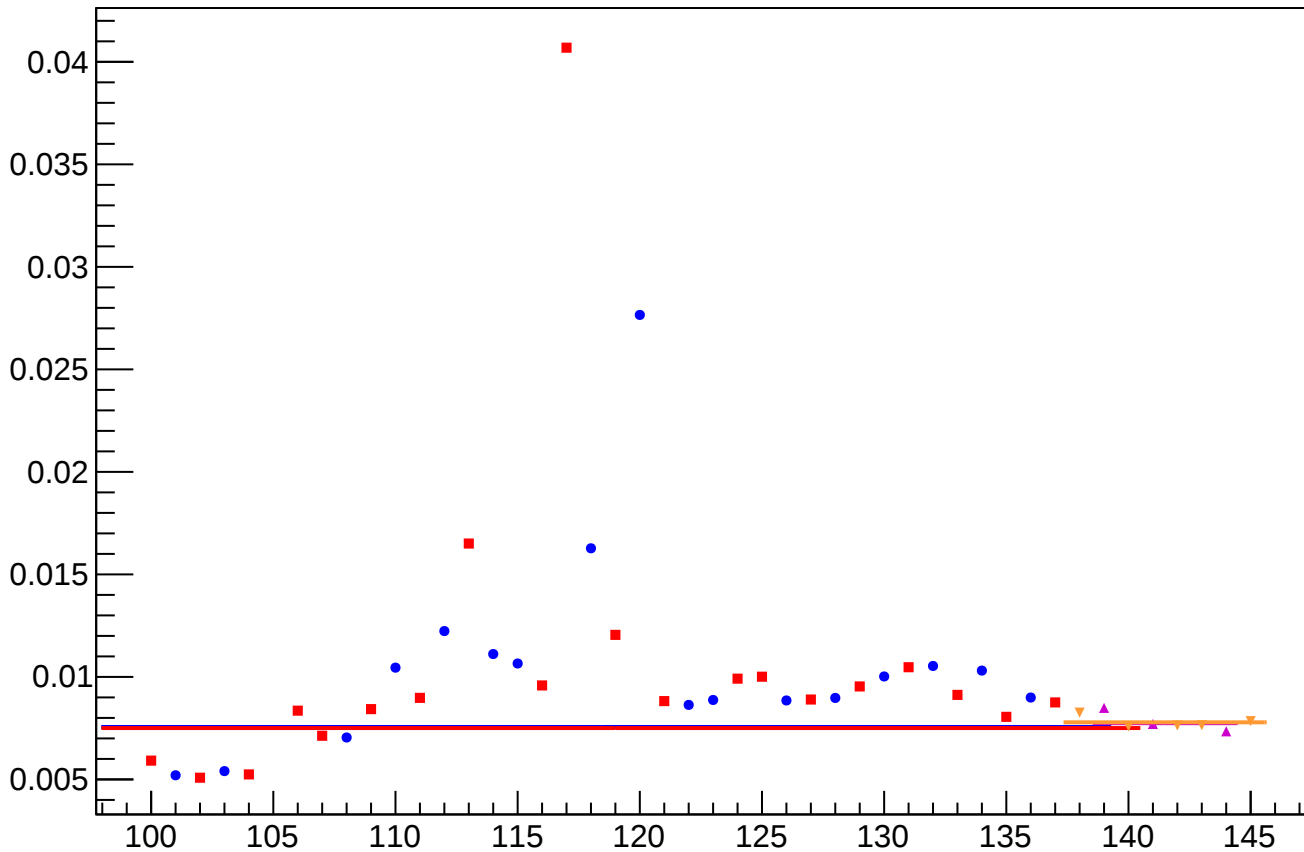
-1.958+/-0.000 χ^2/NDF : 41170077503.9/21

Right Out: -2.272+/-0.000 χ^2/NDF : 19012236430.2/19

-2.041+/-0.000 χ^2/NDF : 38392901281.4/22

Left In: -1.431+/-0.000 χ^2/NDF : 31396791.1/2

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1221004.0/16

Left Out: 0.008+/-0.000 χ^2/NDF : 5982.1/4

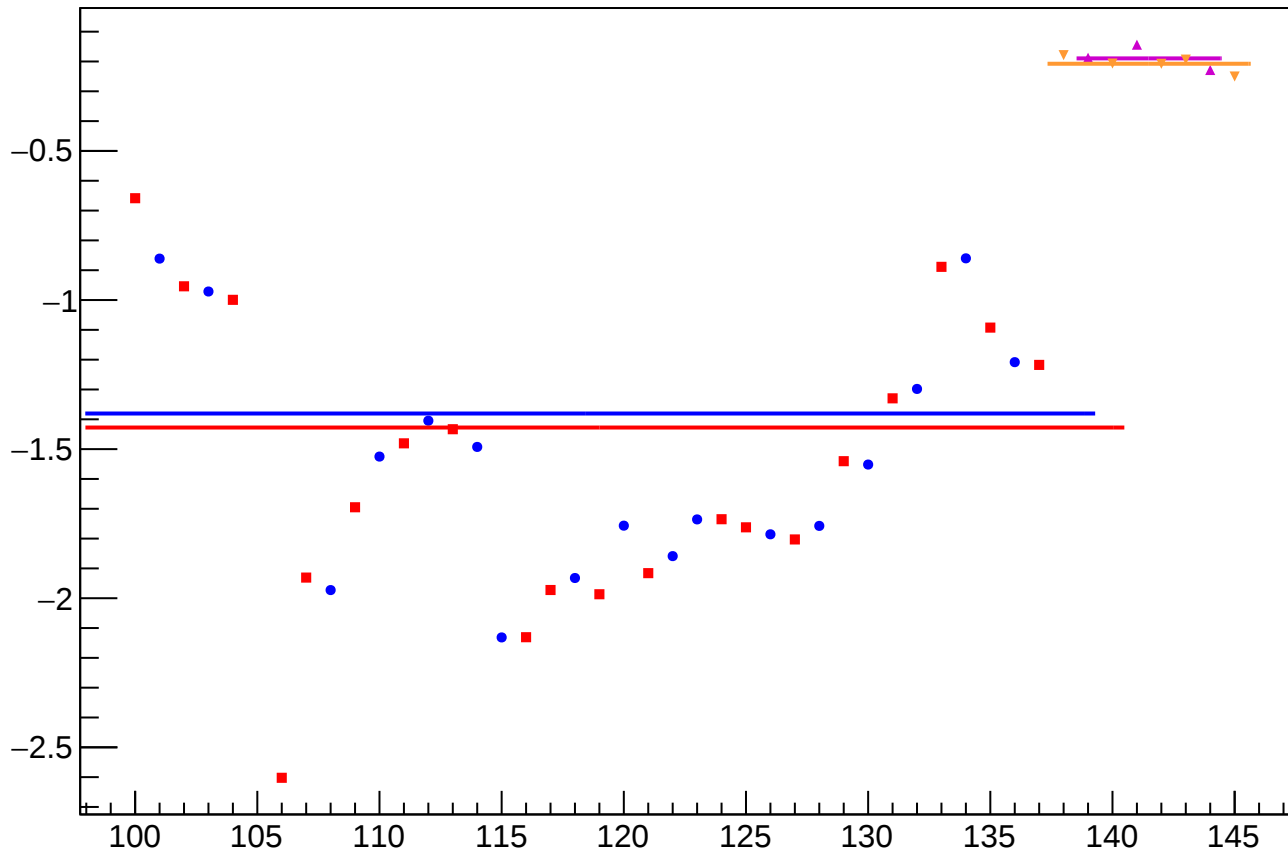
Right Out: 0.008+/-0.000 χ^2/NDF : 984811.6/19

Left In: 0.008+/-0.000 χ^2/NDF : 14632.2/2

0.008+/-0.000 χ^2/NDF : 1230301.7/21

0.008+/-0.000 χ^2/NDF : 1002528.4/22

yield_bpm0i05Y_mean vs Slug



Right In: -1.381 ± 0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.208 ± 0.000 χ^2/NDF : 116031748.3/4

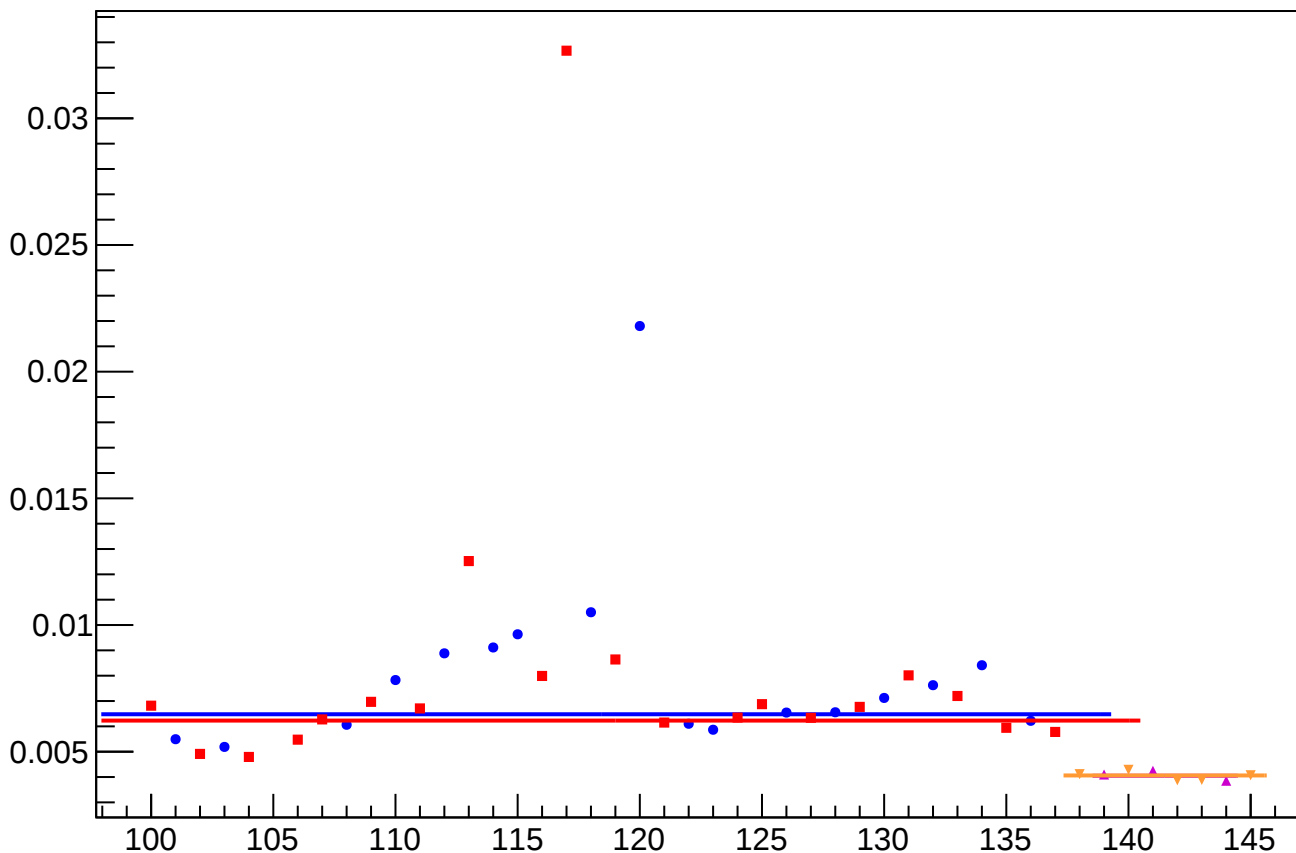
-0.690 ± 0.000 χ^2/NDF : 125274405864.1/21

Right Out: -1.428 ± 0.000 χ^2/NDF : 29626603581.6/19

-0.841 ± 0.000 χ^2/NDF : 140041952972.3/22

Left In: -0.190 ± 0.000 χ^2/NDF : 175004322.3/2

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 :8418.9/4

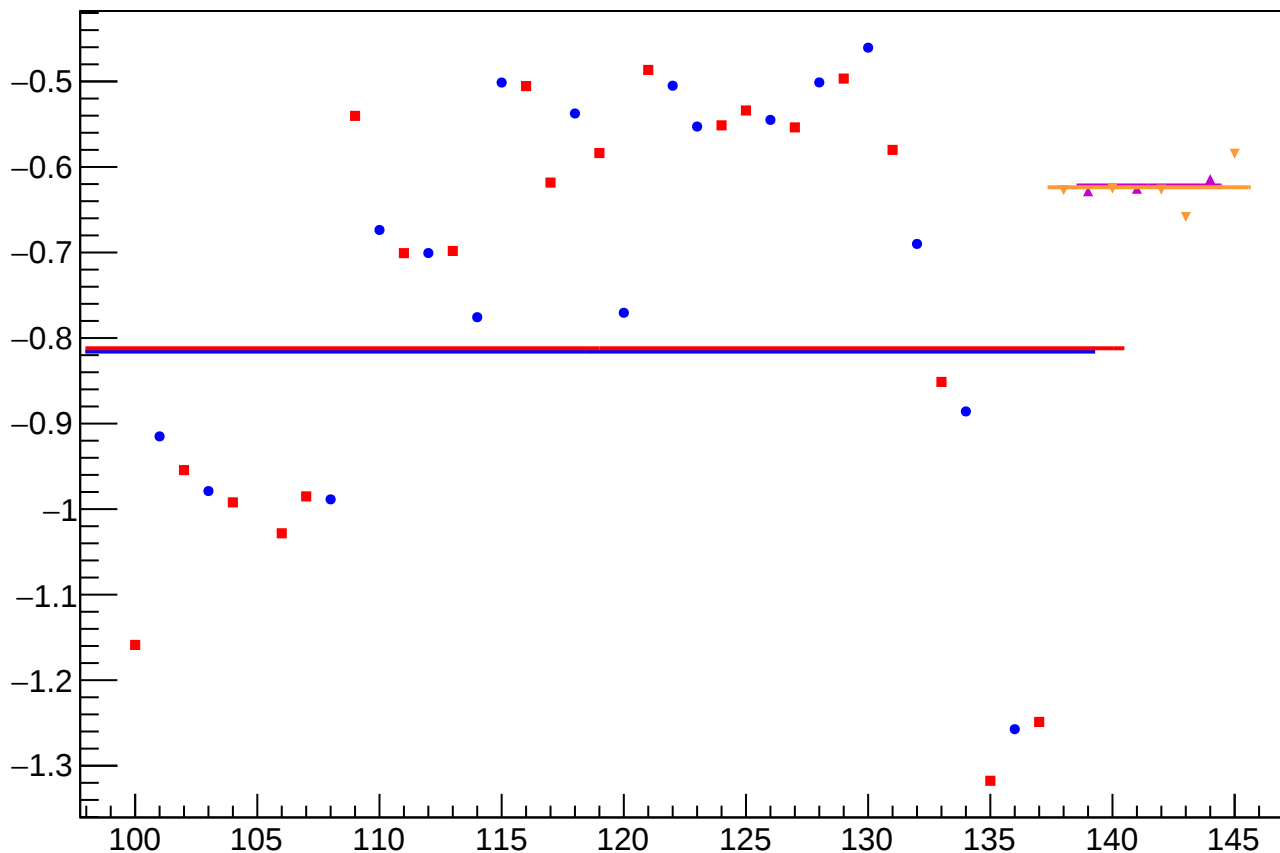
Right Out: 0.006+/-0.000 χ^2/NDF : 472534.6/19

Left In: 0.004+/-0.000 χ^2/NDF :7747.8/2

0.005+/-0.000 χ^2/NDF : 1472926.5/21

0.005+/-0.000 χ^2/NDF : 1162992.1/22

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.624+/-0.000 χ^2/NDF : 61627249.2/4

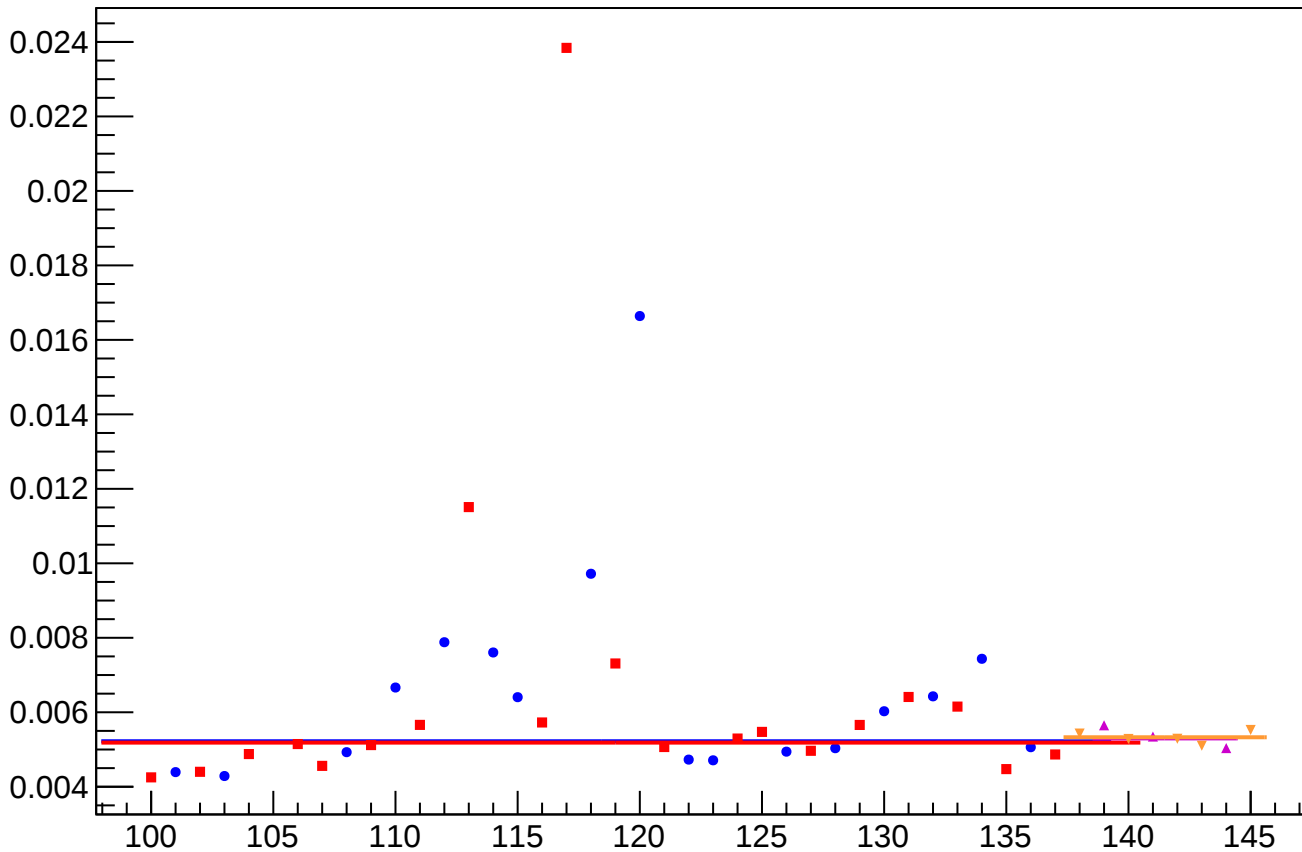
Right Out: -0.812+/-0.000 χ^2/NDF : 16818378599.3/19

Left In: -0.622+/-0.000 χ^2/NDF : 3110185.0/2

-0.748+/-0.000 χ^2/NDF : 16785321652.1/21

-0.761+/-0.000 χ^2/NDF : 18955237521.5/22

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 : 4539.1/4

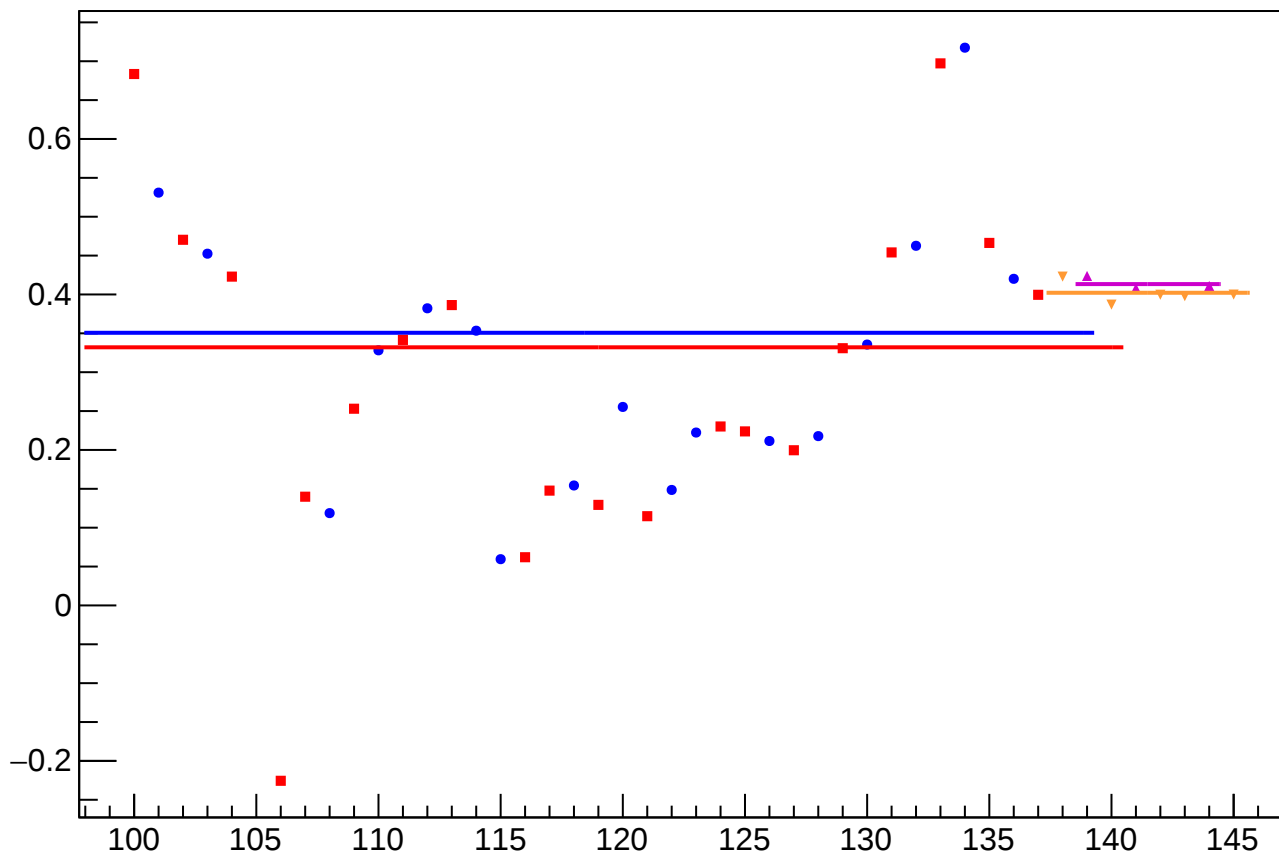
Right Out: 0.005+/-0.000 χ^2/NDF : 410640.5/19

Left In: 0.005+/-0.000 χ^2/NDF : 9335.6/2

0.005+/-0.000 χ^2/NDF : 670509.0/21

0.005+/-0.000 χ^2/NDF : 421476.3/22

yield_bpm0i07Y_mean vs Slug



Right In: 0.351+/-0.000 χ^2/NDF : 7410859446.3/16

Left Out: 0.402+/-0.000 χ^2/NDF :32139046.2/4

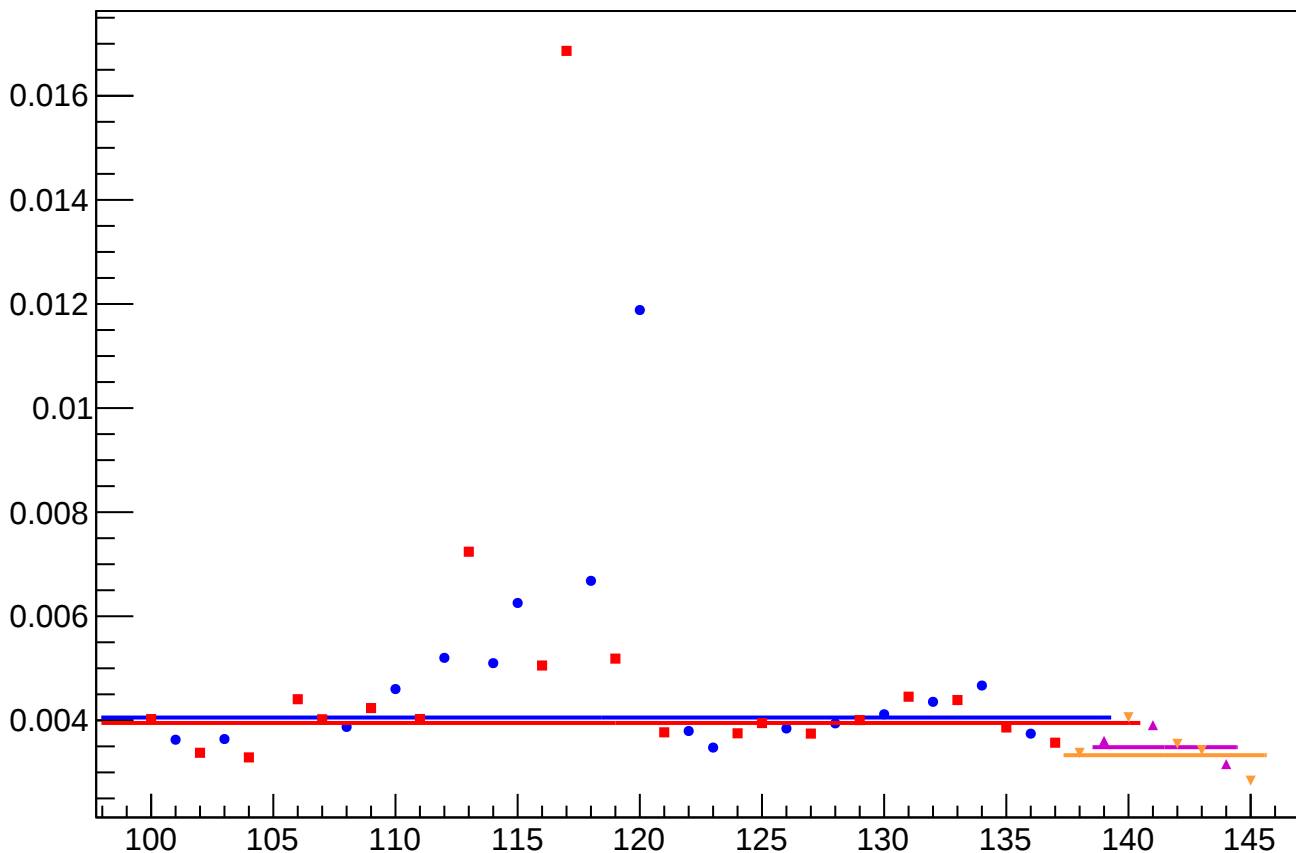
Right Out: 0.332+/-0.000 χ^2/NDF : 11800695210.2/19

Left In: 0.413+/-0.000 χ^2/NDF :6334951.8/2

0.372+/-0.000 χ^2/NDF : 7820955708.2/21

0.356+/-0.000 χ^2/NDF : 12568456011.3/22

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 455318.3/16

Left Out: 0.003+/-0.000 χ^2/NDF :85148.0/4

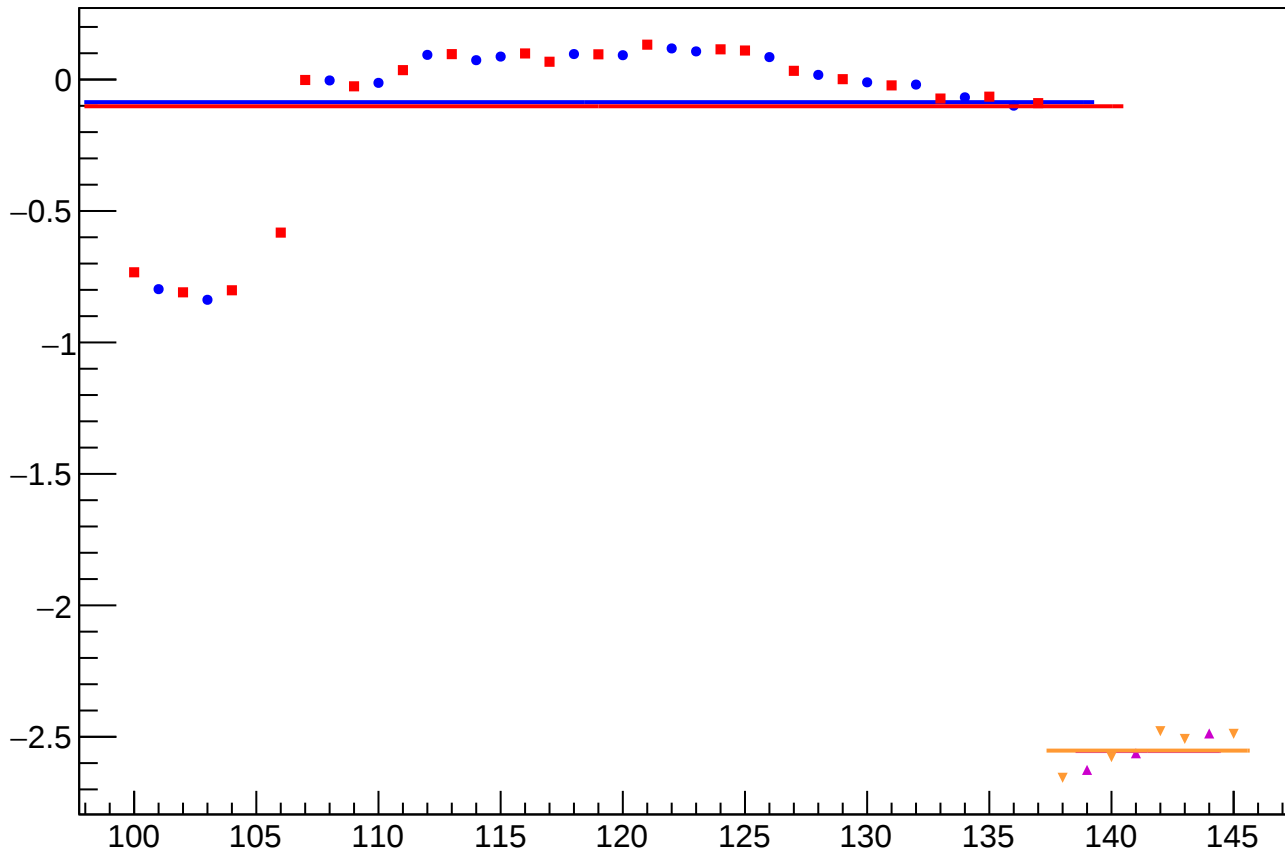
Right Out: 0.004+/-0.000 χ^2/NDF : 304954.7/19

Left In: 0.003+/-0.000 χ^2/NDF :33758.7/2

0.004+/-0.000 χ^2/NDF : 689786.7/21

0.004+/-0.000 χ^2/NDF : 388619.8/22

yield_bpm1i02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.552+/-0.000 χ^2/NDF : 82762737.4/4

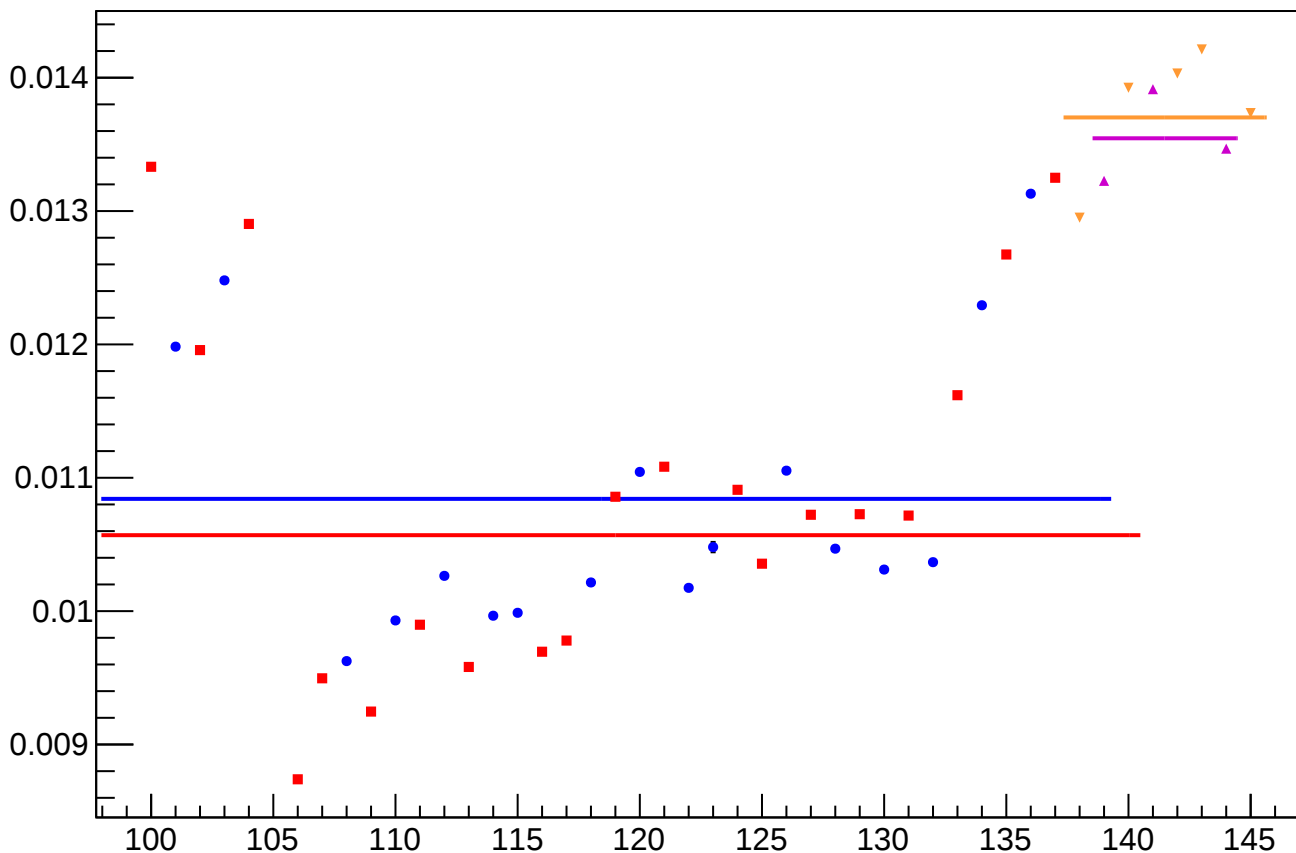
-0.670+/-0.000 χ^2/NDF : 86462181702.1/21

Right Out: -0.102+/-0.000 χ^2/NDF : 5566142794.2/19

-0.518+/-0.000 χ^2/NDF : 70112164357.0/22

Left In: -2.554+/-0.000 χ^2/NDF : 41248354.0/2

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.014+/-0.000 χ^2/NDF : 7281.7/4

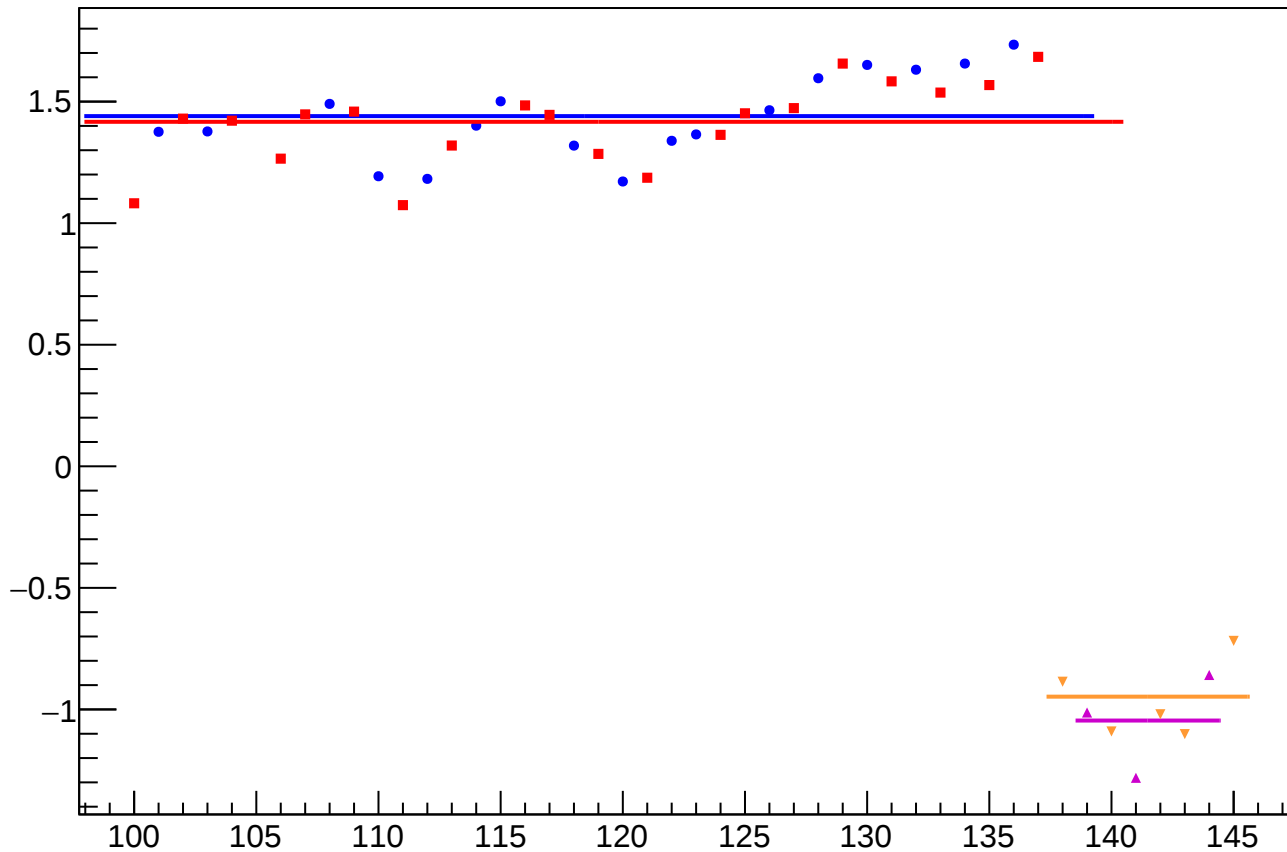
Right Out: 0.011+/-0.000 χ^2/NDF : 179537.7/19

Left In: 0.014+/-0.000 χ^2/NDF : 2025.5/2

0.012+/-0.000 χ^2/NDF : 350448.3/21

0.011+/-0.000 χ^2/NDF : 371555.9/22

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.947 $\pm$ 0.000 χ^2 /NDF: 685395977.1/4

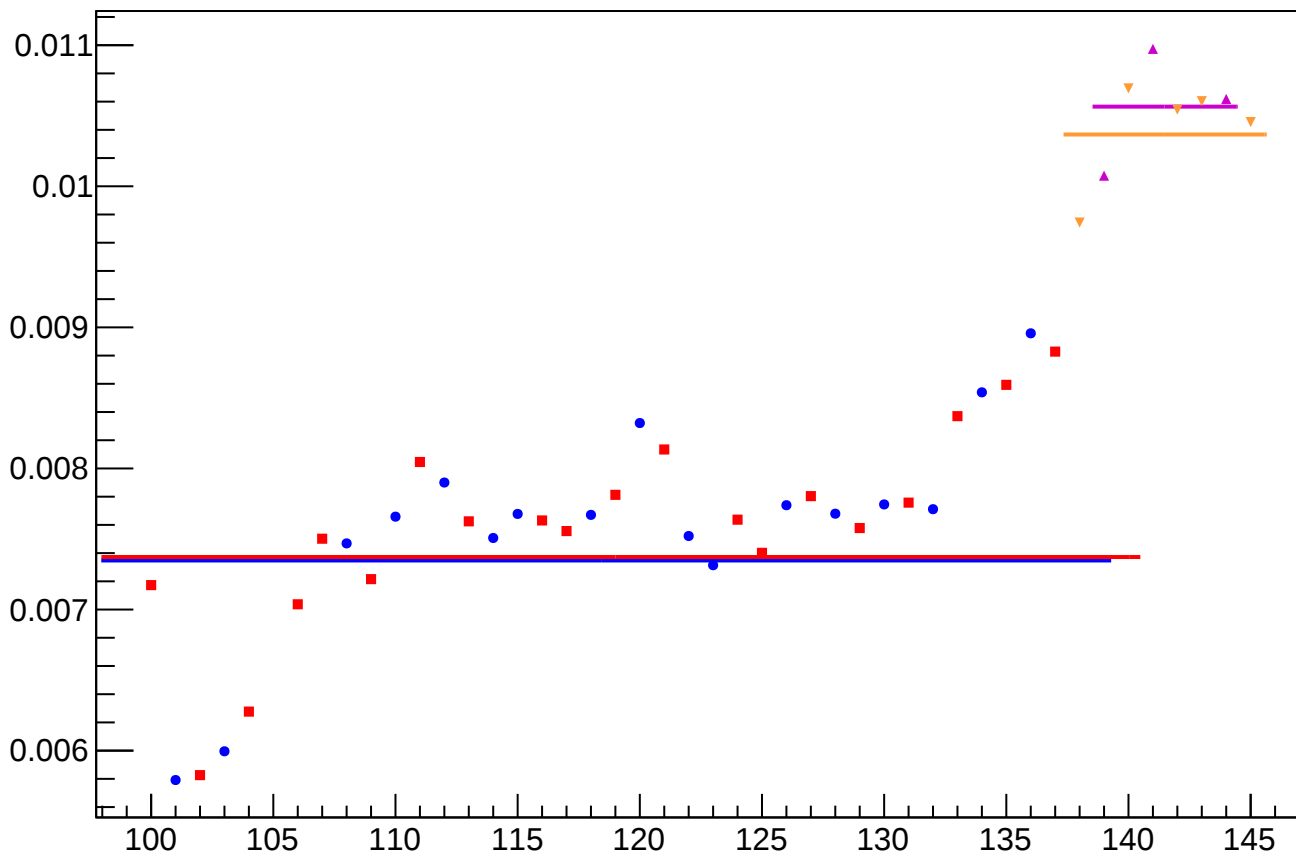
0.959 $\pm$ 0.000 χ^2 /NDF: 144291536170.9/21

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674679406.4/19

1.070 $\pm$ 0.000 χ^2 /NDF: 114174885199.1/22

Left In: -1.046 $\pm$ 0.000 χ^2 /NDF: 661331926.7/2

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 :8423.8/4

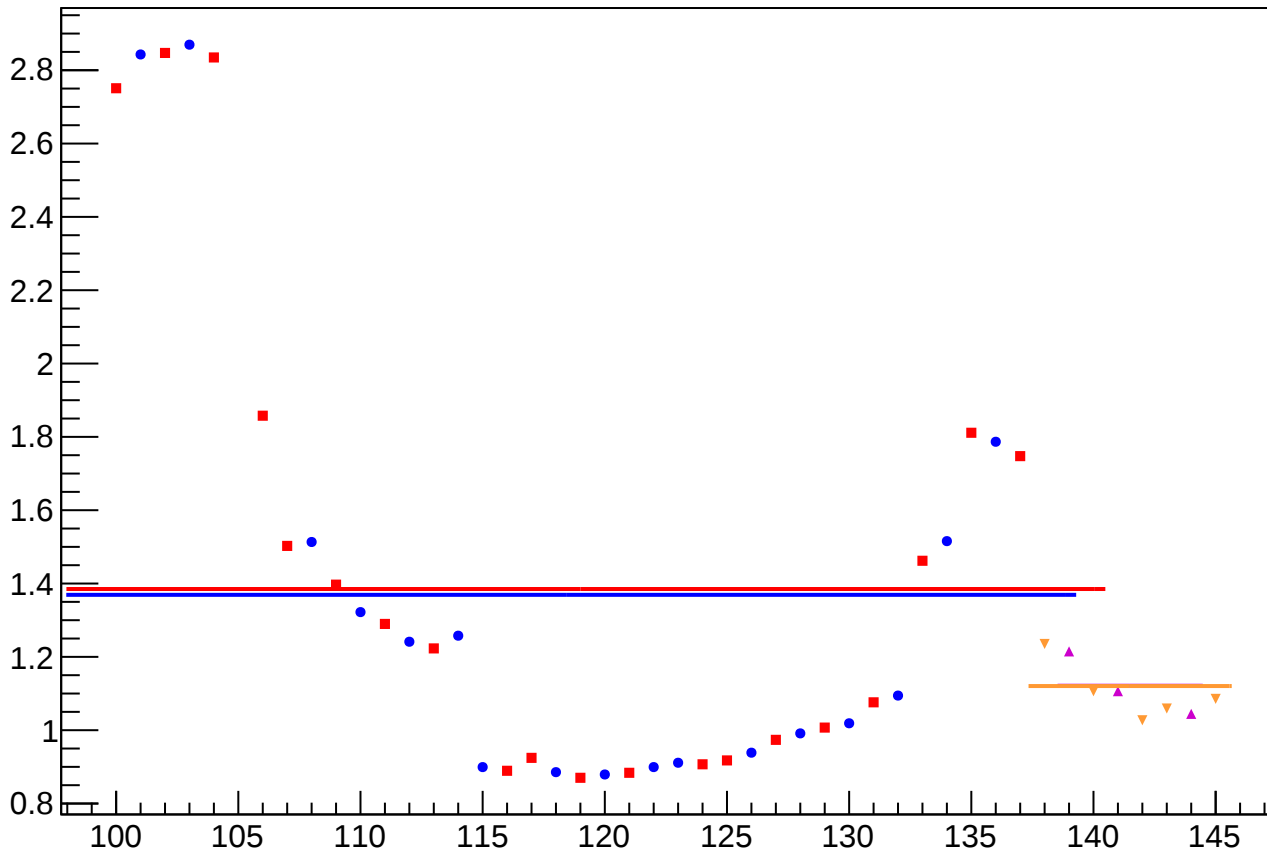
Right Out: 0.007+/-0.000 χ^2/NDF : 172741.0/19

Left In: 0.011+/-0.000 χ^2/NDF :5593.0/2

0.008+/-0.000 χ^2/NDF : 684791.9/21

0.008+/-0.000 χ^2/NDF : 550840.2/22

yield_bpm1i04X_mean vs Slug



Right In: 1.369 $\pm$ 0.000 χ^2 /NDF: 54205395389.8/16

Left Out: 1.120 $\pm$ 0.000 χ^2 /NDF: 267262795.6/4

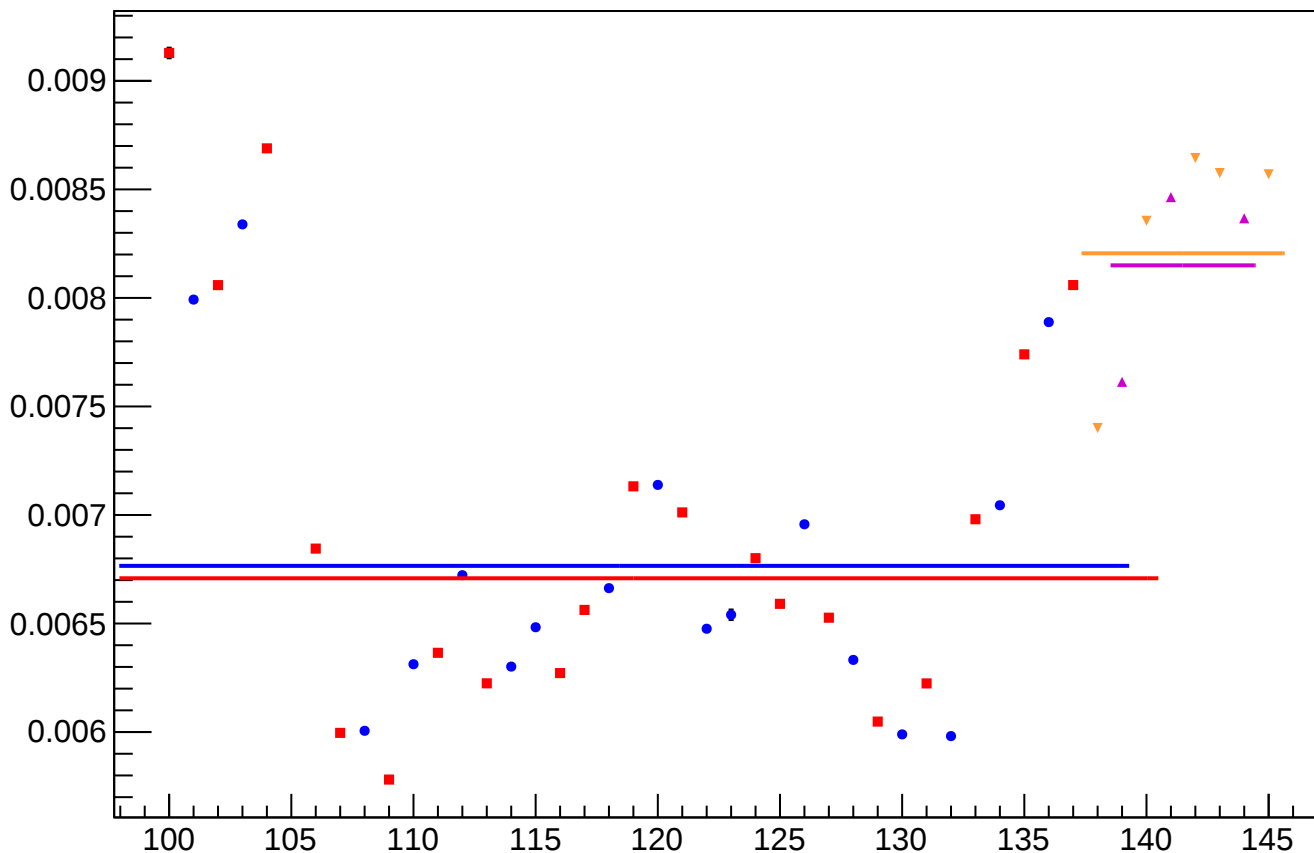
1.307 $\pm$ 0.000 χ^2 /NDF: 56693854064.6/21

Right Out: 1.385 $\pm$ 0.000 χ^2 /NDF: 50114562617.6/19

1.337 $\pm$ 0.000 χ^2 /NDF: 52294201589.9/22

Left In: 1.121 $\pm$ 0.000 χ^2 /NDF: 175396480.0/2

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 :24502.3/4

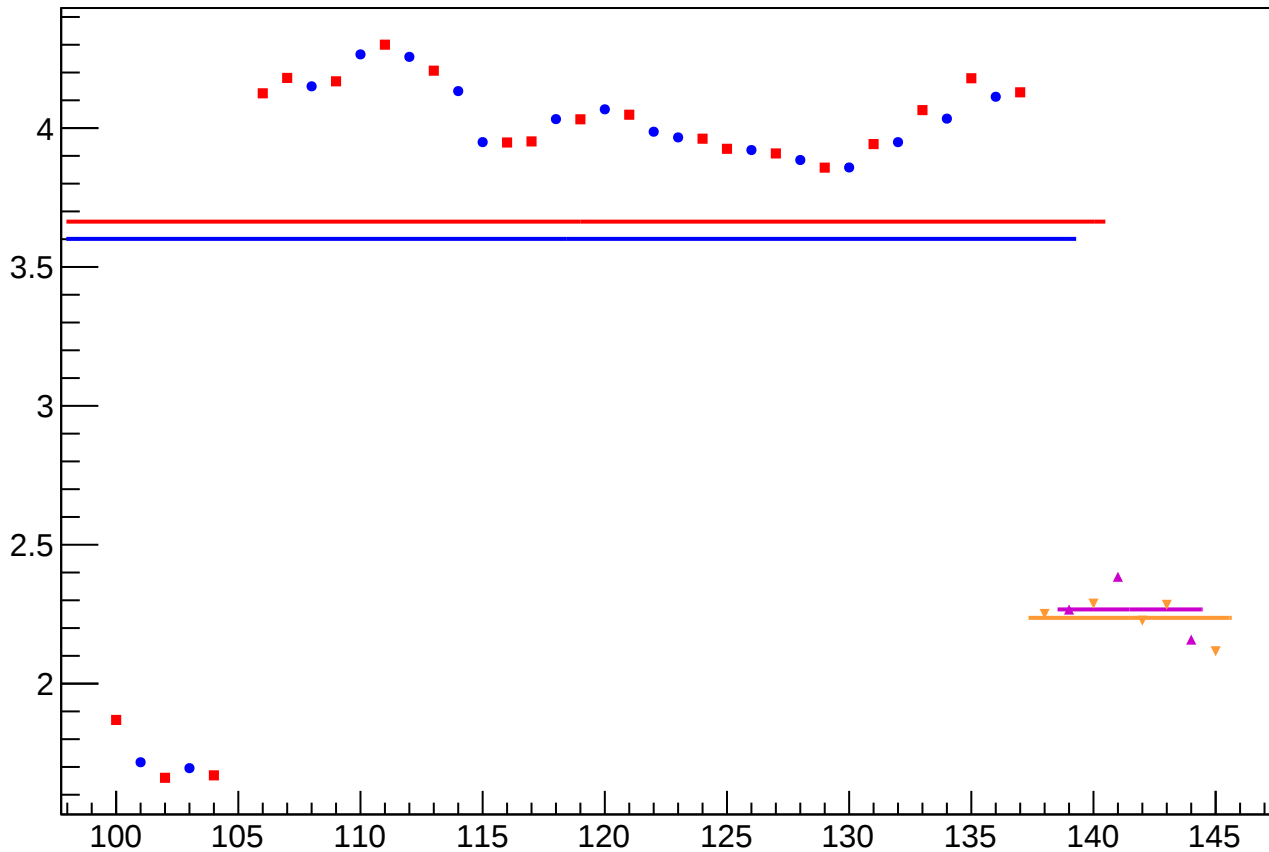
Right Out: 0.007+/-0.000 χ^2/NDF : 187869.7/19

Left In: 0.008+/-0.000 χ^2/NDF :10143.8/2

0.007+/-0.000 χ^2/NDF : 332873.5/21

0.007+/-0.000 χ^2/NDF : 317738.2/22

yield_bpm1i04Y_mean vs Slug



Right In: 3.601 $\pm$ 0.000 χ^2 /NDF: 185806937655.3/16

Left Out: 2.237 $\pm$ 0.000 χ^2 /NDF:232885159.8/4

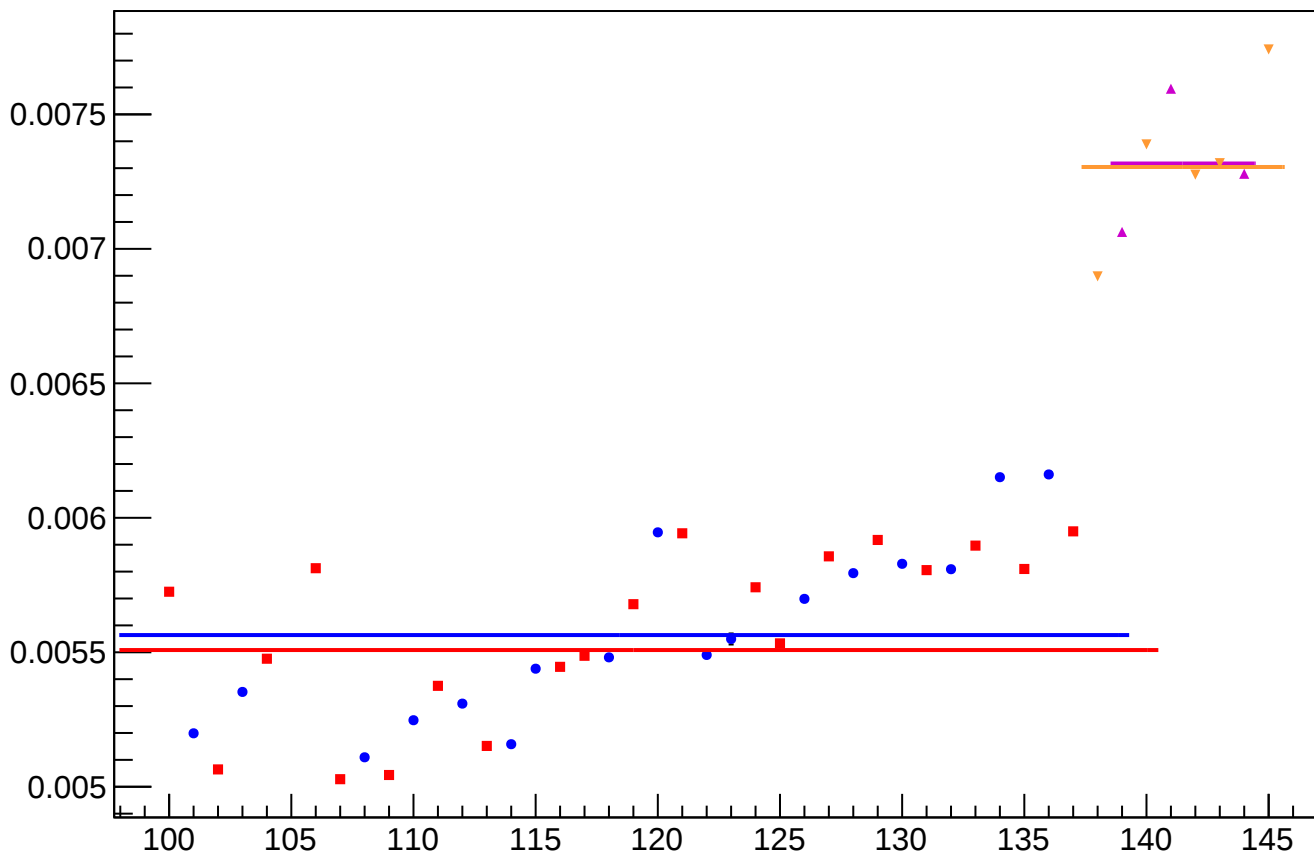
3.304 $\pm$ 0.000 χ^2 /NDF: 273653757149.6/21

Right Out: 3.663 $\pm$ 0.000 χ^2 /NDF: 192640409625.9/19

3.440 $\pm$ 0.000 χ^2 /NDF: 264841049773.5/22

Left In: 2.267 $\pm$ 0.000 χ^2 /NDF:386976149.0/2

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 :9655.7/4

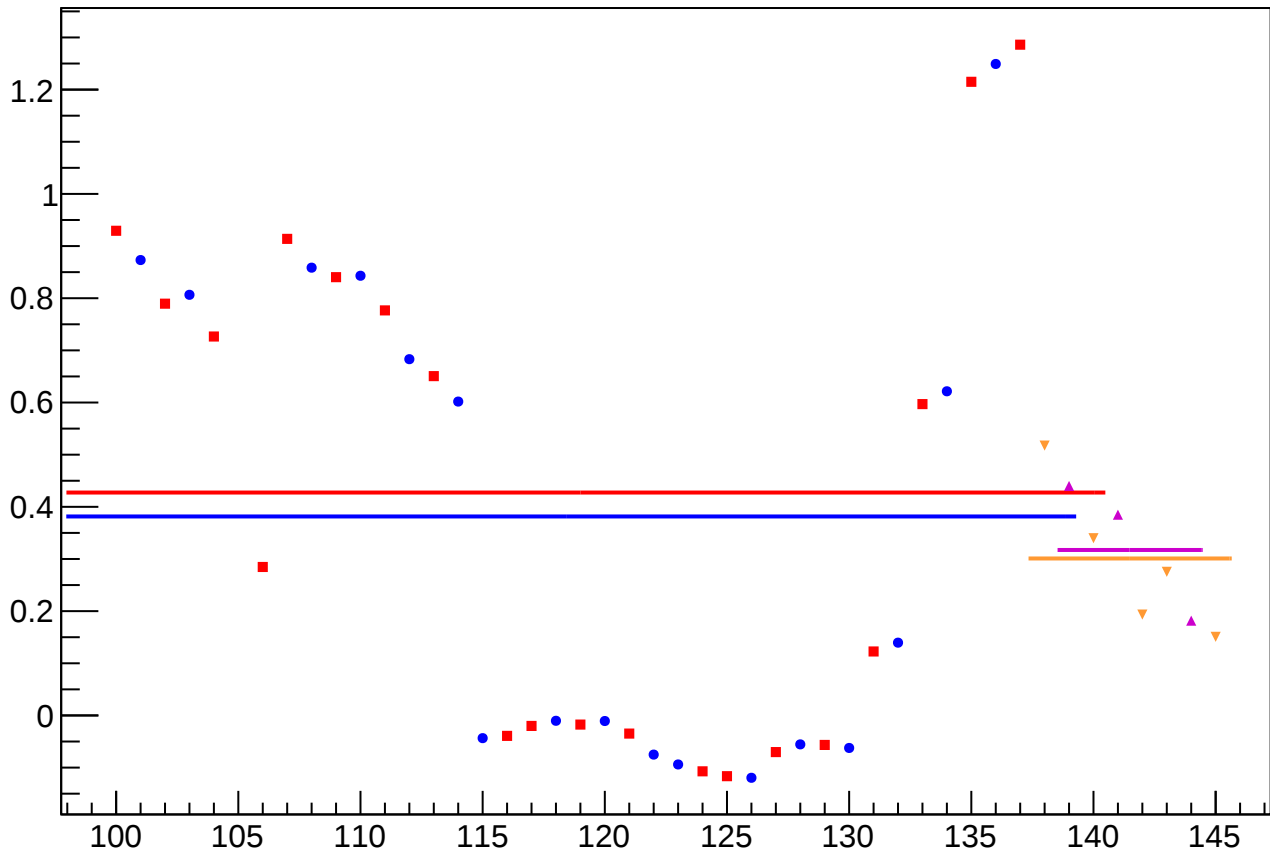
Right Out: 0.006+/-0.000 χ^2/NDF : 52636.1/19

Left In: 0.007+/-0.000 χ^2/NDF :4055.0/2

0.006+/-0.000 χ^2/NDF : 342372.0/21

0.006+/-0.000 χ^2/NDF : 297846.0/22

yield_bpm1i06X_mean vs Slug



Right In: 0.382+/-0.000 χ^2/NDF : 7124759123.1/16

Left Out: 0.301+/-0.000 χ^2/NDF : 237703957.0/4

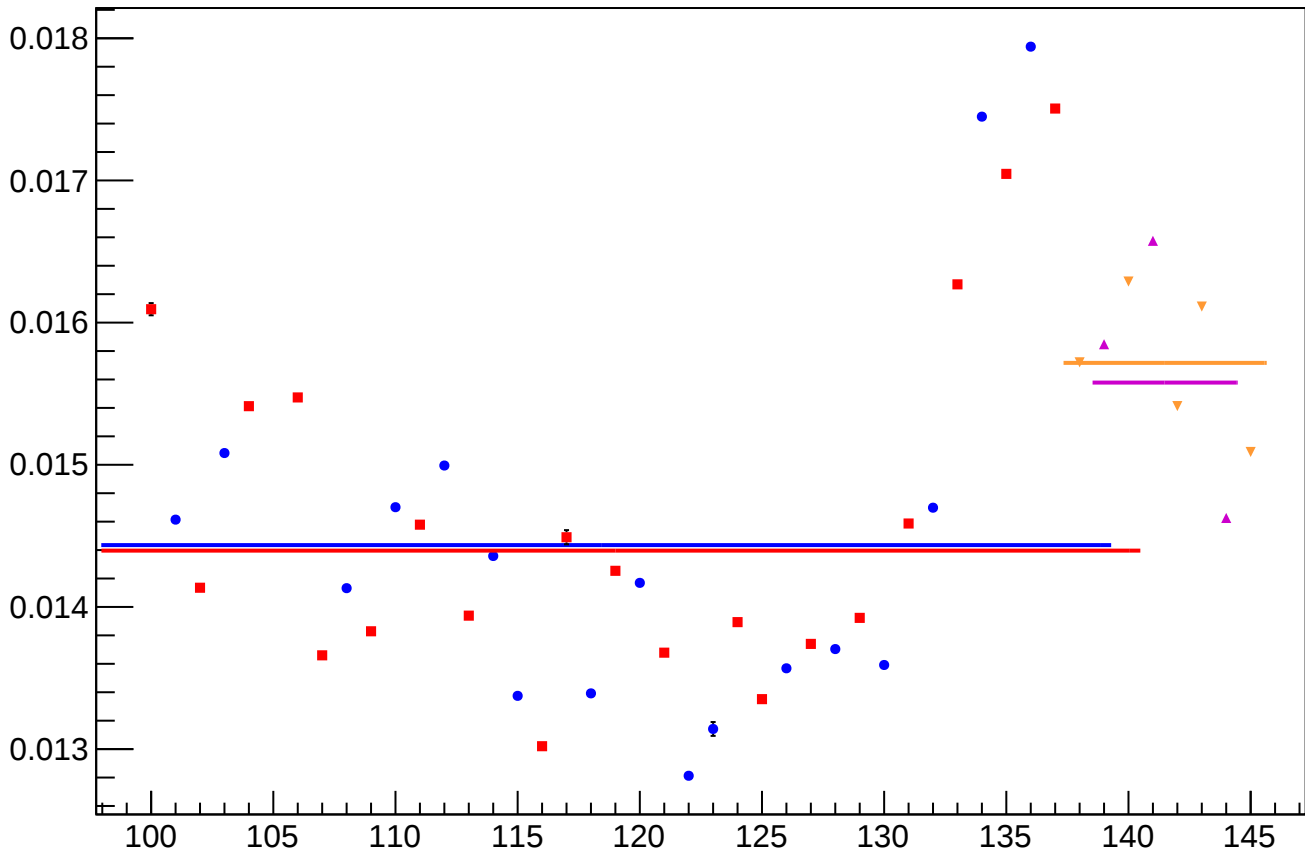
0.358+/-0.000 χ^2/NDF : 7423167079.8/21

Right Out: 0.427+/-0.000 χ^2/NDF : 6716521382.4/19

0.403+/-0.000 χ^2/NDF : 6935526096.6/22

Left In: 0.317+/-0.000 χ^2/NDF : 127489515.8/2

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 : 5580.0/4

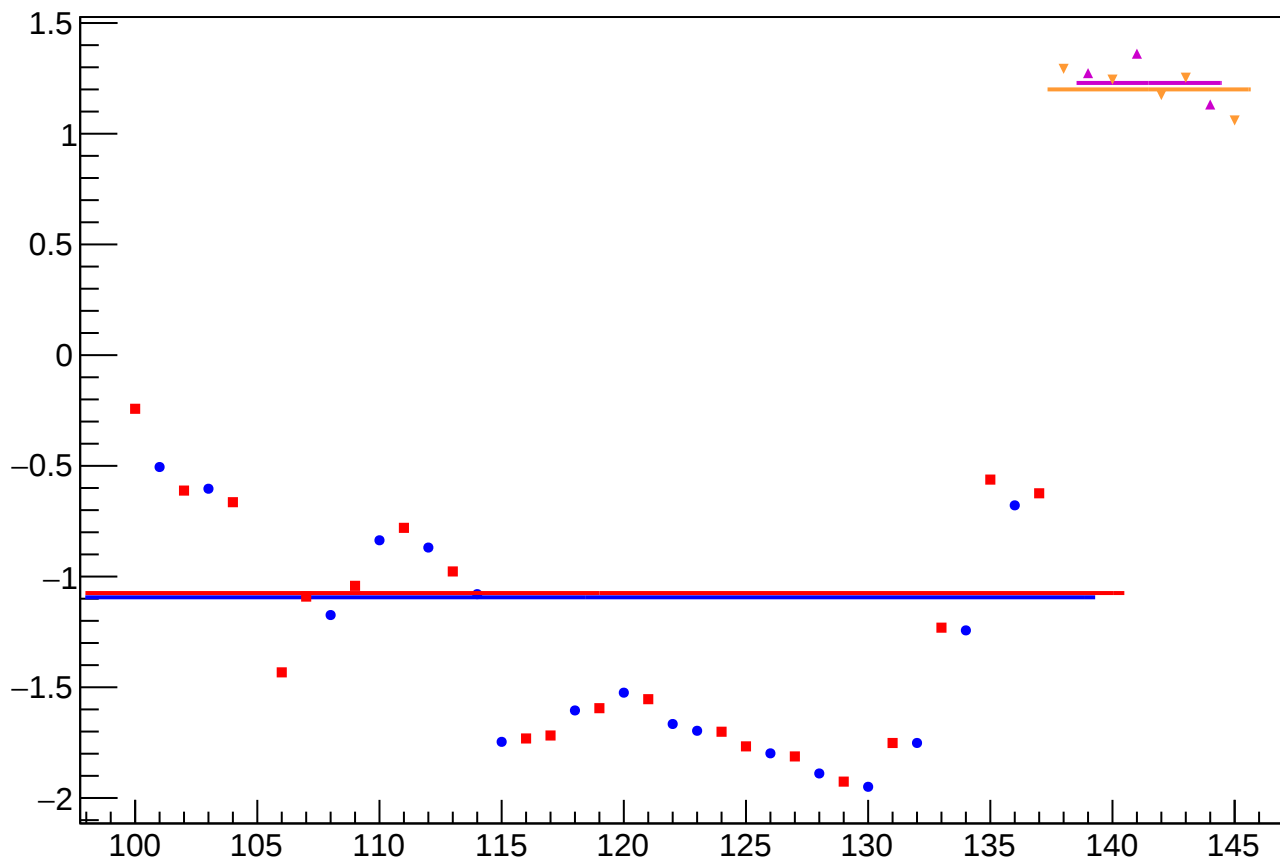
Right Out: 0.014+/-0.000 χ^2/NDF : 74535.1/19

Left In: 0.016+/-0.000 χ^2/NDF : 13672.2/2

0.015+/-0.000 χ^2/NDF : 146531.9/21

0.015+/-0.000 χ^2/NDF : 109291.2/22

yield_bpm1i06Y_mean vs Slug



Right In: -1.094+/-0.000 χ^2/NDF : 55960104370.4/16

Left Out: 1.200+/-0.000 χ^2/NDF : 1681624044.8/4

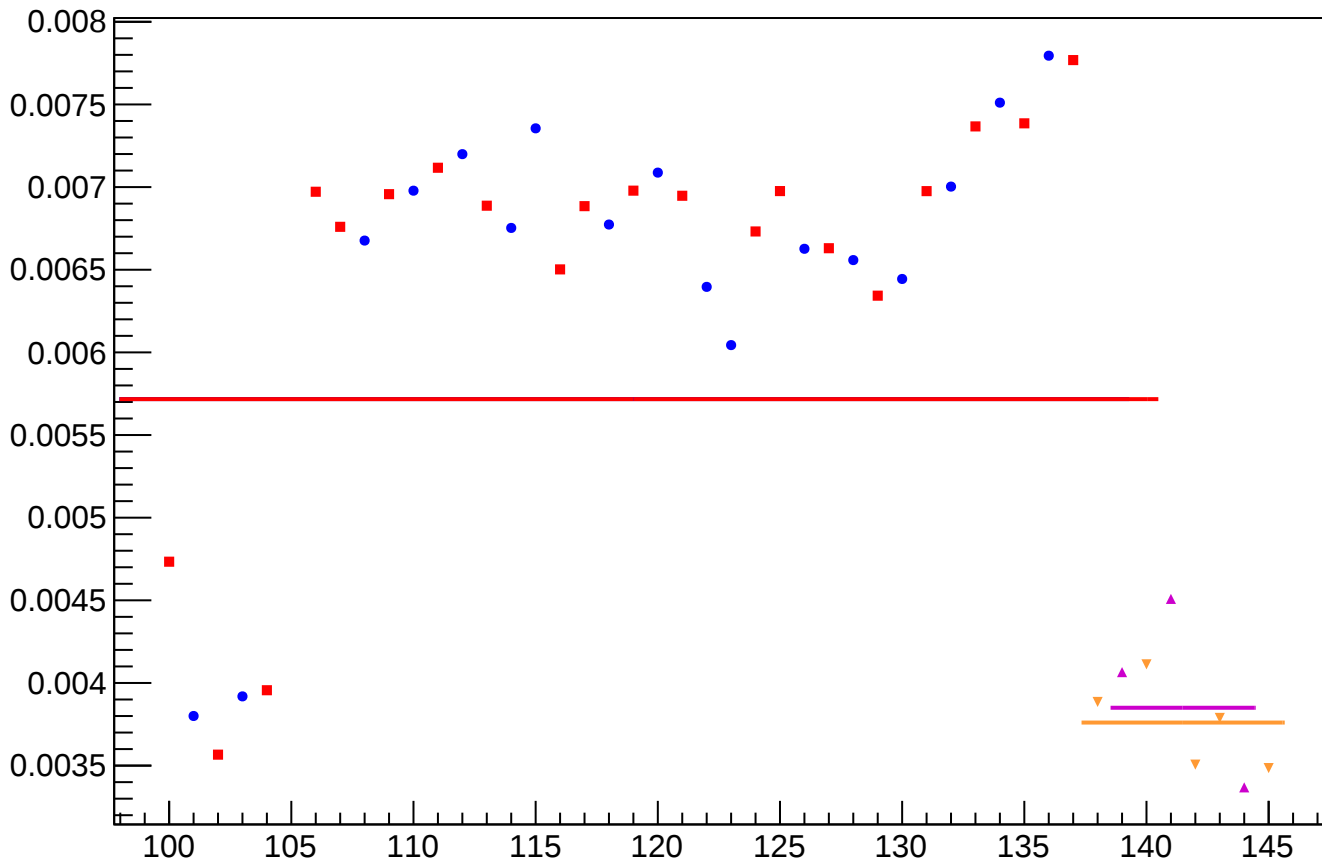
Right Out: -1.074+/-0.000 χ^2/NDF : 47208439320.8/19

Left In: 1.229+/-0.000 χ^2/NDF : 1431814862.9/2

0.153+/-0.000 χ^2/NDF : 577094710119.5/21

-0.059+/-0.000 χ^2/NDF : 492033210777.4/22

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 : 25007.5/4

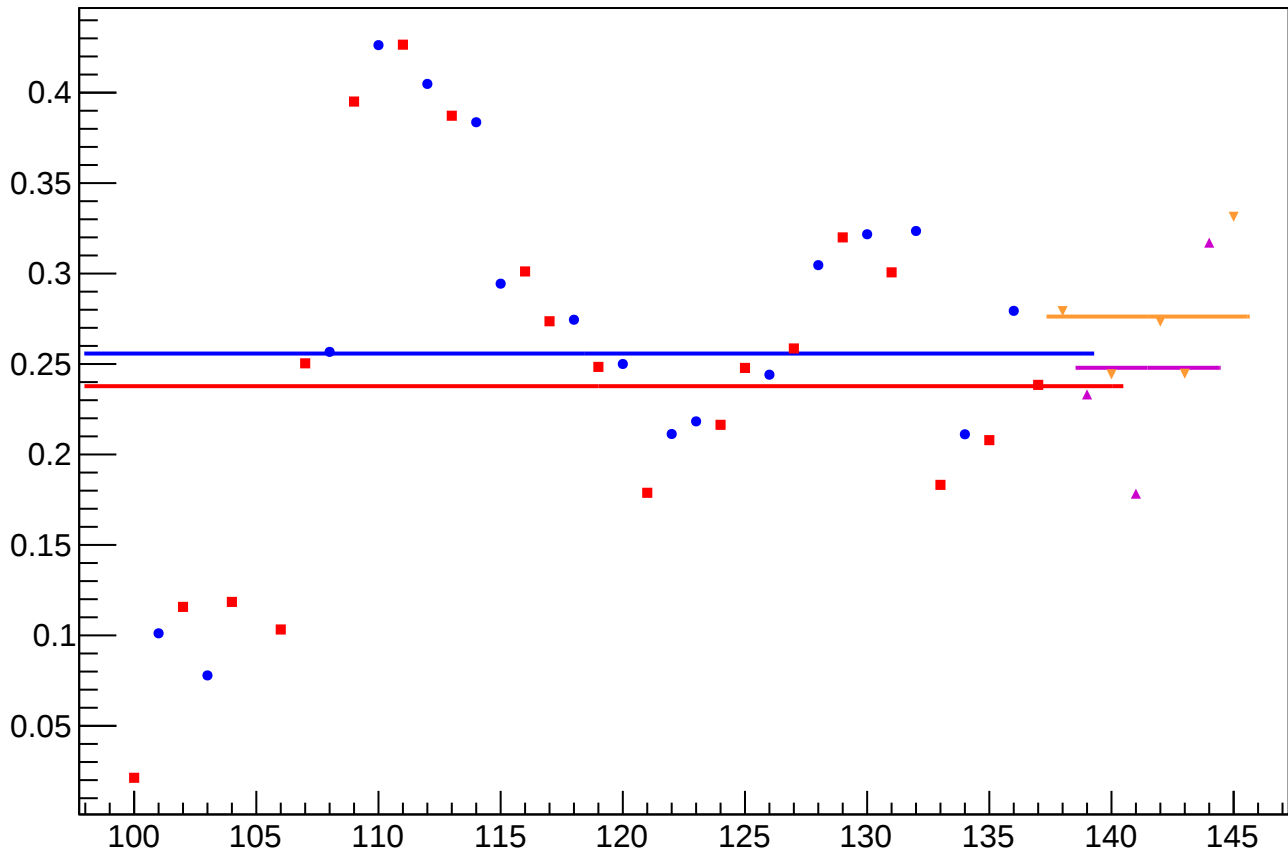
Right Out: 0.006+/-0.000 χ^2/NDF : 925957.4/19

Left In: 0.004+/-0.000 χ^2/NDF : 70488.5/2

0.005+/-0.000 χ^2/NDF : 1619019.3/21

0.005+/-0.000 χ^2/NDF : 1578930.8/22

yield_bpm2i01X_mean vs Slug



Right In: 0.256+/-0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.276+/-0.000 χ^2/NDF : 1425319144.8/4

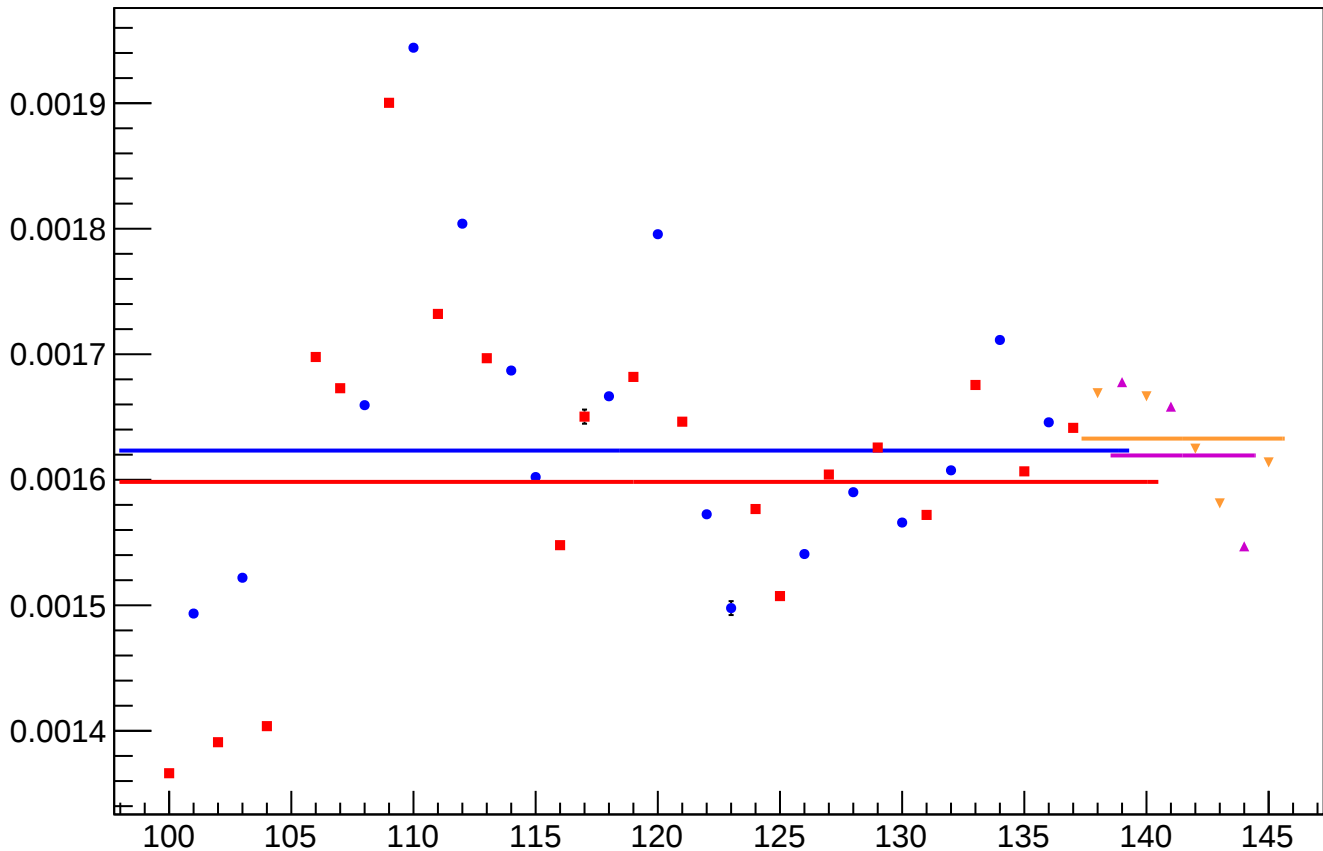
Right Out: 0.238+/-0.000 χ^2/NDF : 26077768189.7/19

Left In: 0.248+/-0.000 χ^2/NDF : 3240989124.4/2

0.263+/-0.000 χ^2/NDF : 23134578752.0/21

0.240+/-0.000 χ^2/NDF : 29388912719.0/22

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 : 2820.8/4

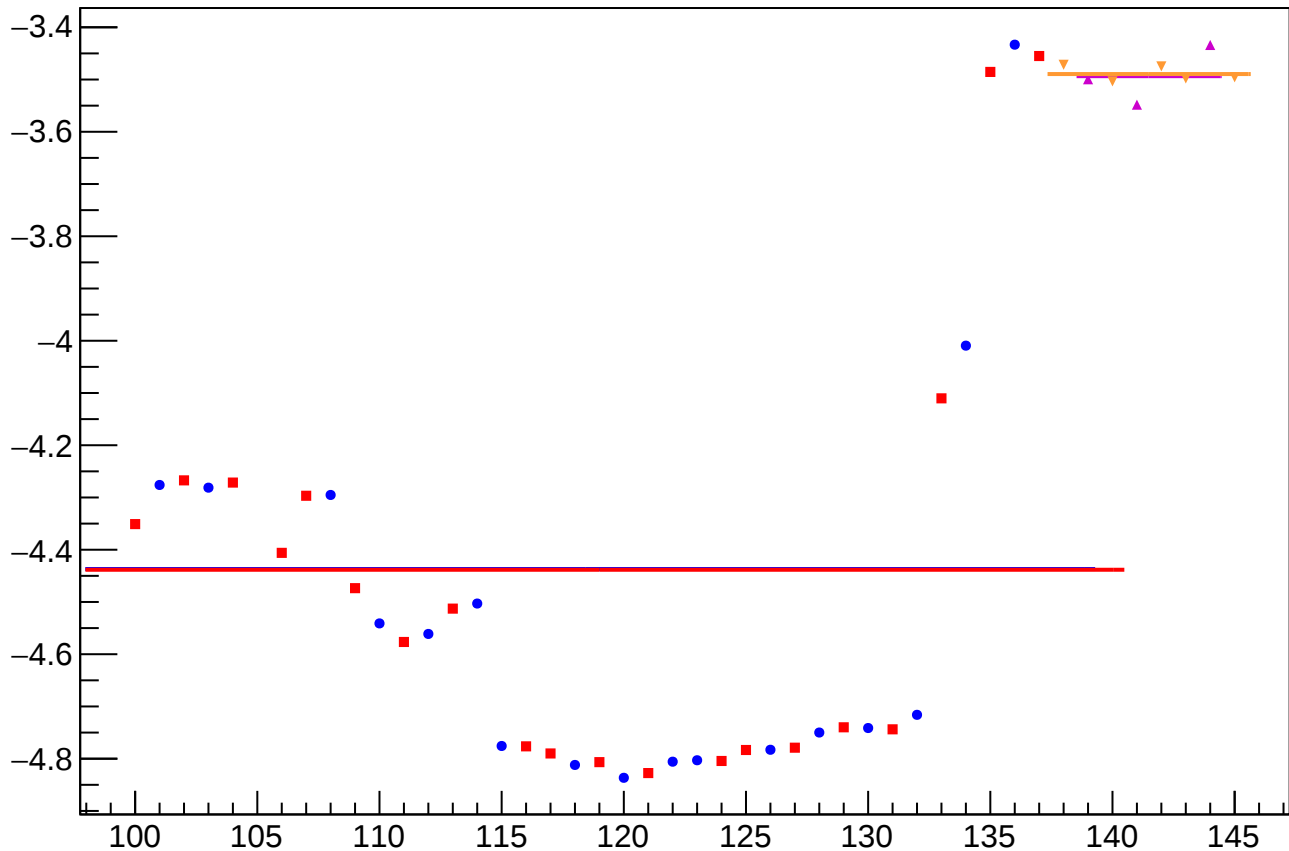
Right Out: 0.002 ± 0.000 χ^2/NDF : 90764.4/19

Left In: 0.002 ± 0.000 χ^2/NDF : 6311.9/2

0.002 ± 0.000 χ^2/NDF : 55438.9/21

0.002 ± 0.000 χ^2/NDF : 97678.4/22

yield_bpm2i01Y_mean vs Slug



Right In: -4.437+/-0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.490+/-0.000 χ^2/NDF : 160931847.4/4

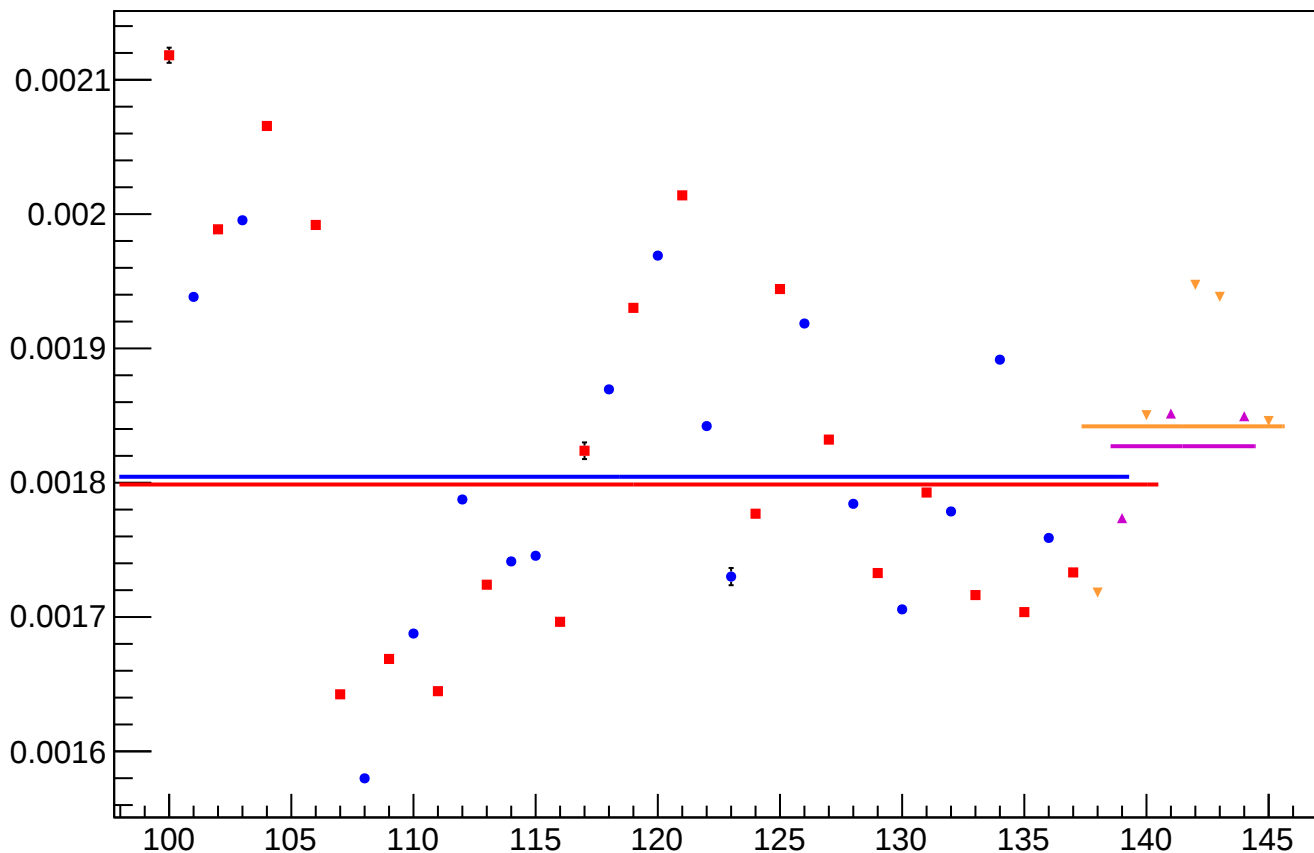
-4.135+/-0.000 χ^2/NDF : 964613623073.7/21

Right Out: -4.438+/-0.000 χ^2/NDF : 326800745779.7/19

-4.206+/-0.000 χ^2/NDF : 797519361586.6/22

Left In: -3.494+/-0.000 χ^2/NDF : 1594659968.7/2

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 49103.2/16

Left Out: 0.002+/-0.000 χ^2/NDF :12458.3/4

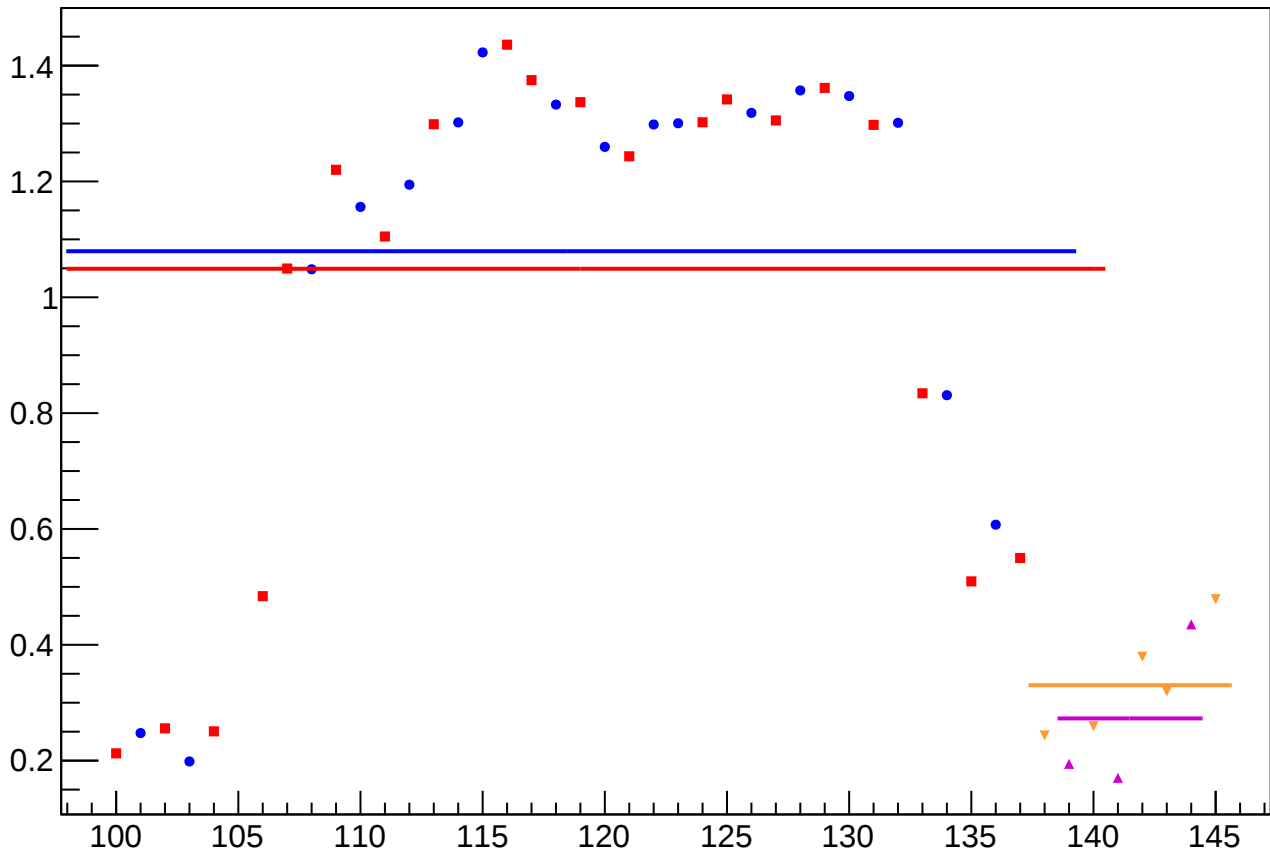
Right Out: 0.002+/-0.000 χ^2/NDF : 81037.5/19

Left In: 0.002+/-0.000 χ^2/NDF :1743.5/2

0.002+/-0.000 χ^2/NDF : 63356.3/21

0.002+/-0.000 χ^2/NDF : 83634.3/22

yield_bpm2i02X_mean vs Slug



Right In: 1.080+/-0.000 χ^2/NDF : 17533321220.5/16

Left Out: 0.330+/-0.000 χ^2/NDF : 278856258.3/4

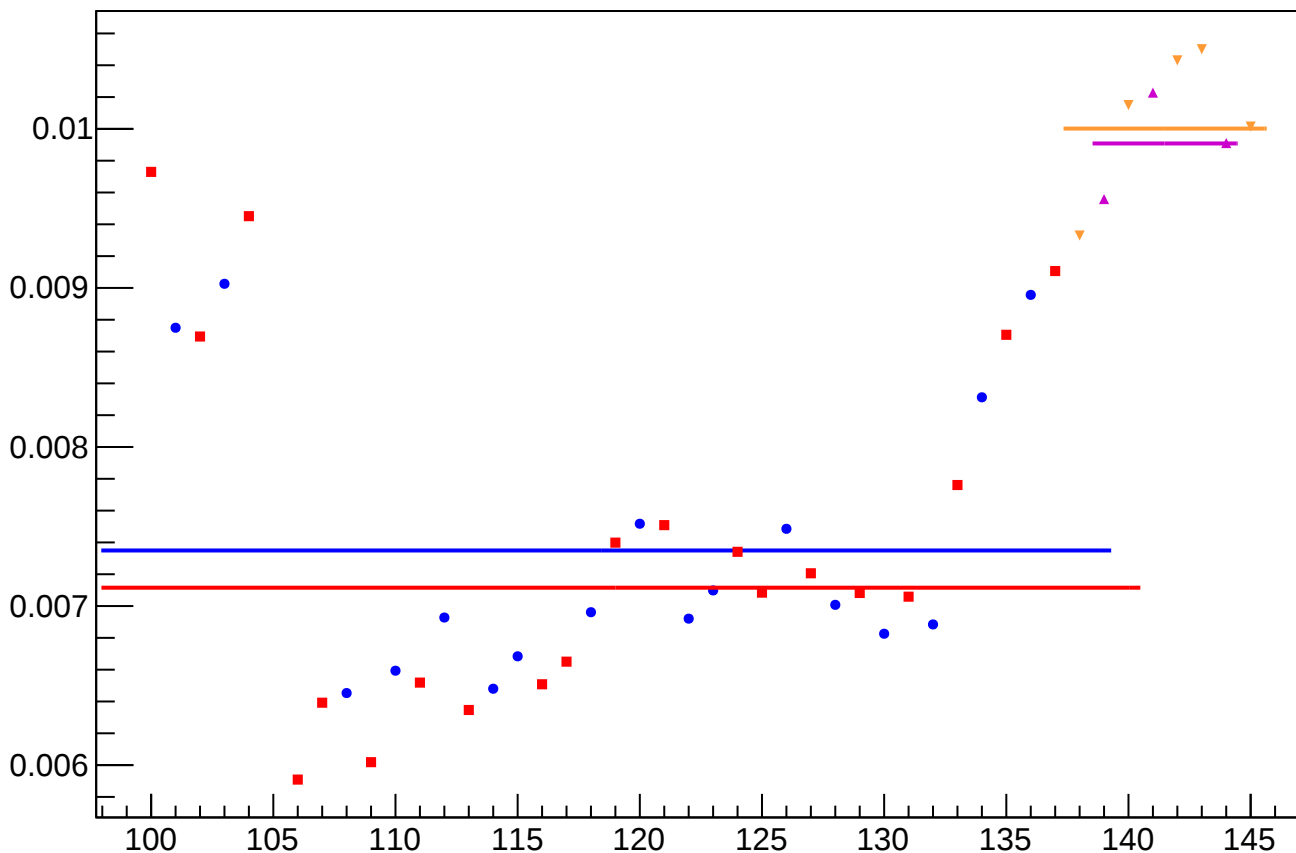
0.921+/-0.000 χ^2/NDF : 32356007629.8/21

Right Out: 1.049+/-0.000 χ^2/NDF : 19787986428.4/19

0.934+/-0.000 χ^2/NDF : 32534228686.5/22

Left In: 0.273+/-0.000 χ^2/NDF : 358769826.3/2

yield_bpm2i02X_rms vs Slug



Right In: 0.007 ± 0.000 $\chi^2/\text{NDF}: 180818.7/16$

Left Out: 0.010 ± 0.000 $\chi^2/\text{NDF}: 11968.7/4$

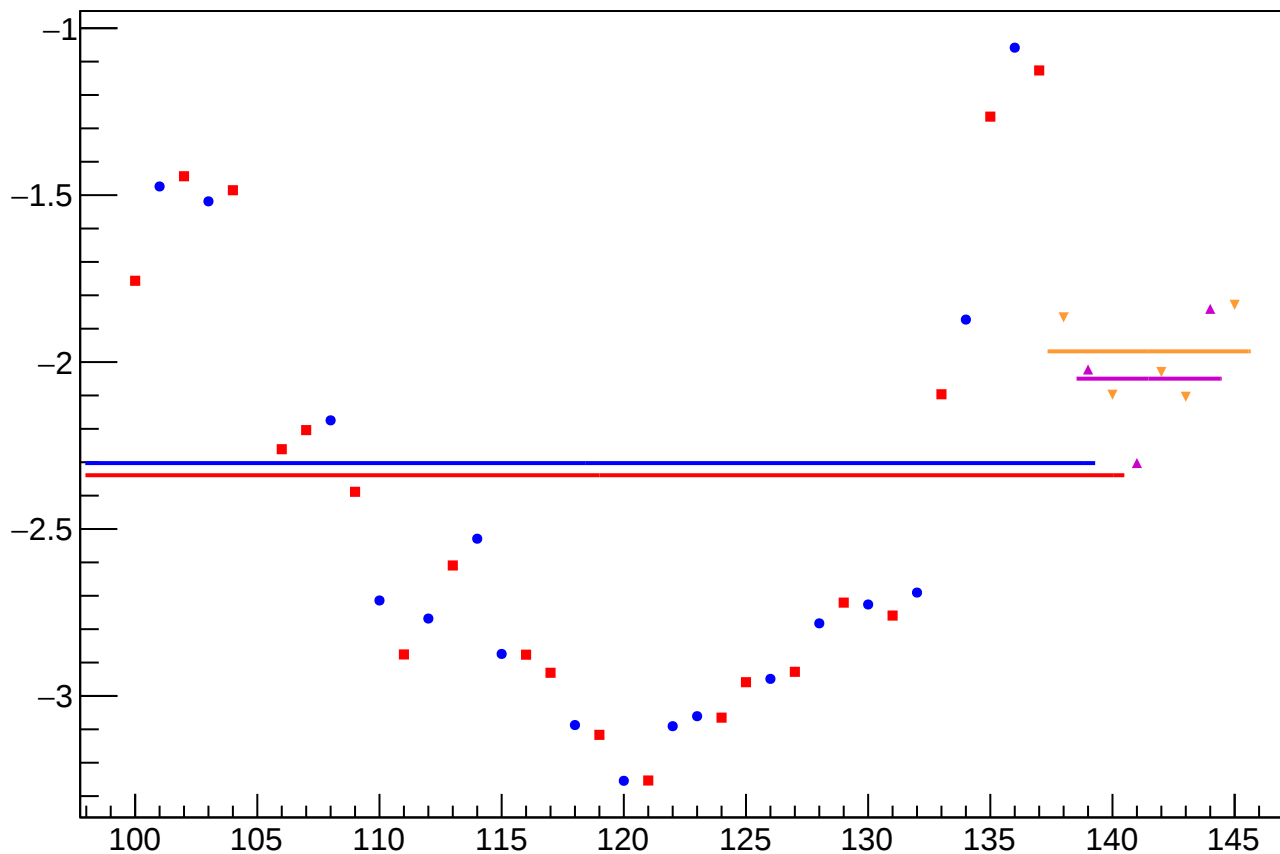
Right Out: 0.007 ± 0.000 $\chi^2/\text{NDF}: 259539.3/19$

Left In: 0.010 ± 0.000 $\chi^2/\text{NDF}: 3459.3/2$

0.008 ± 0.000 $\chi^2/\text{NDF}: 557433.9/21$

0.008 ± 0.000 $\chi^2/\text{NDF}: 583638.9/22$

yield_bpm2i02Y_mean vs Slug



Right In: -2.303+/-0.000 χ^2/NDF : 73755914805.8/16

Left Out: -1.968+/-0.000 χ^2/NDF : 585710891.9/4

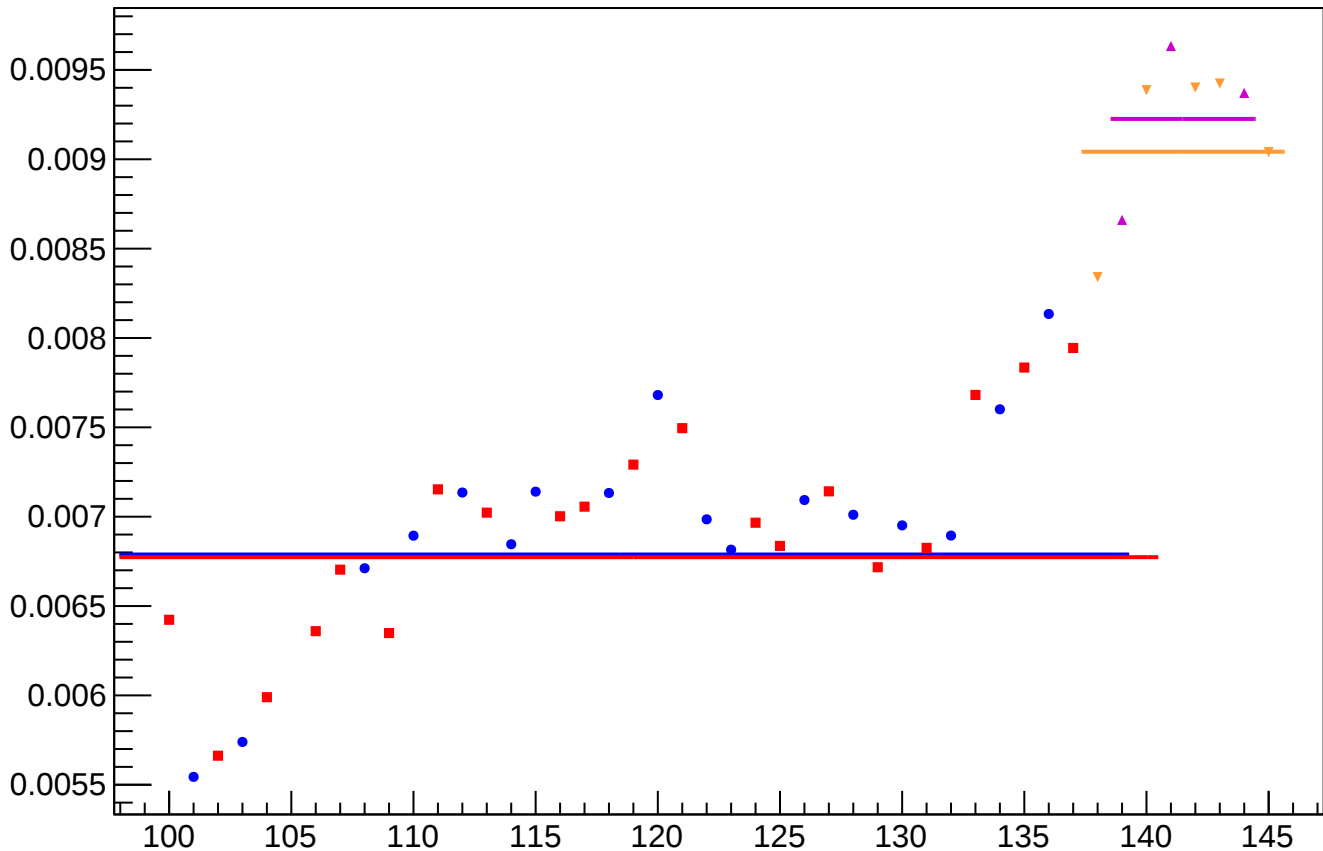
Right Out: -2.339+/-0.000 χ^2/NDF : 64804828308.5/19

Left In: -2.050+/-0.000 χ^2/NDF : 1011992825.3/2

-2.229+/-0.000 χ^2/NDF : 77881115116.4/21

-2.295+/-0.000 χ^2/NDF : 67793735525.4/22

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 : 15700.7/4

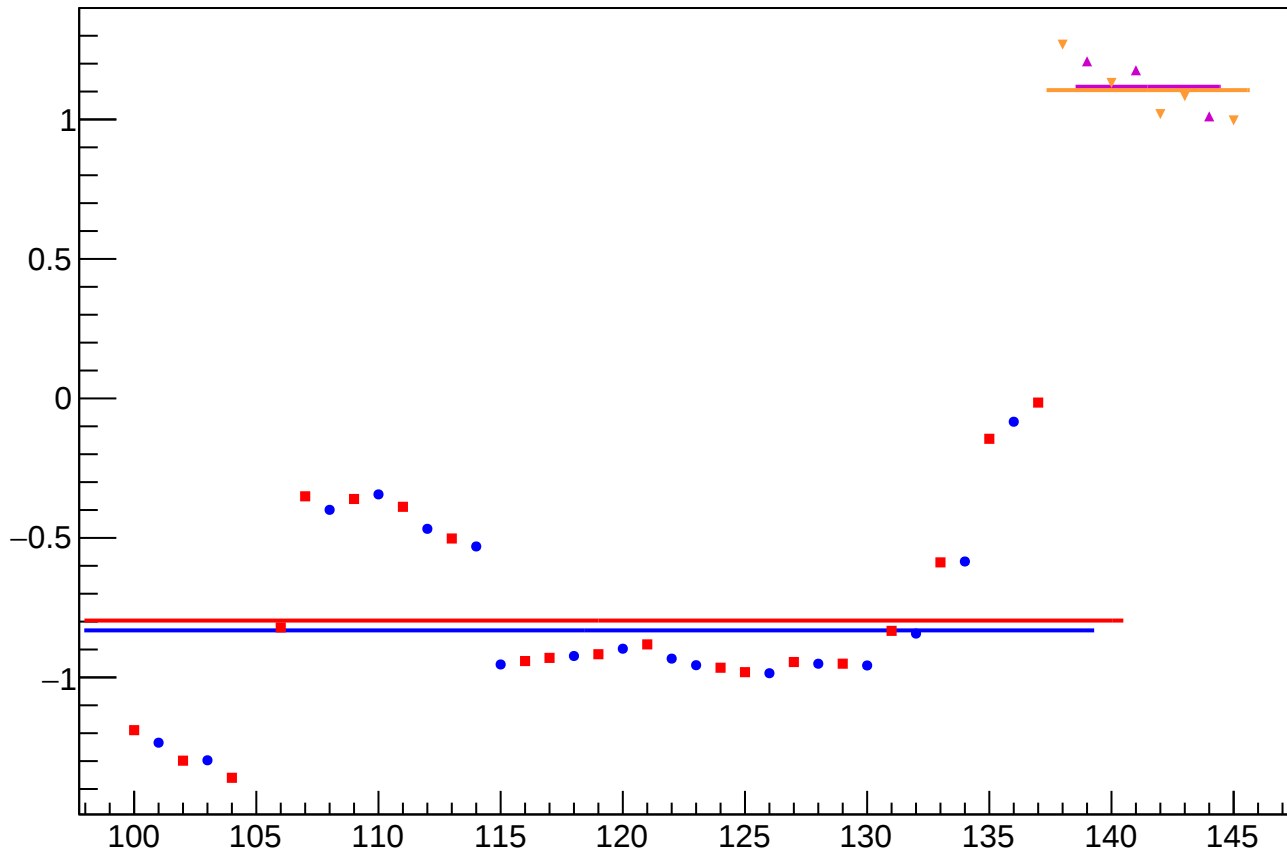
Right Out: 0.007+/-0.000 χ^2/NDF : 123383.6/19

Left In: 0.009+/-0.000 χ^2/NDF : 9216.5/2

0.007+/-0.000 χ^2/NDF : 501911.5/21

0.007+/-0.000 χ^2/NDF : 416792.4/22

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 6692170860.9/16

Left Out: 1.105 ± 0.000 χ^2/NDF : 214240652.7/4

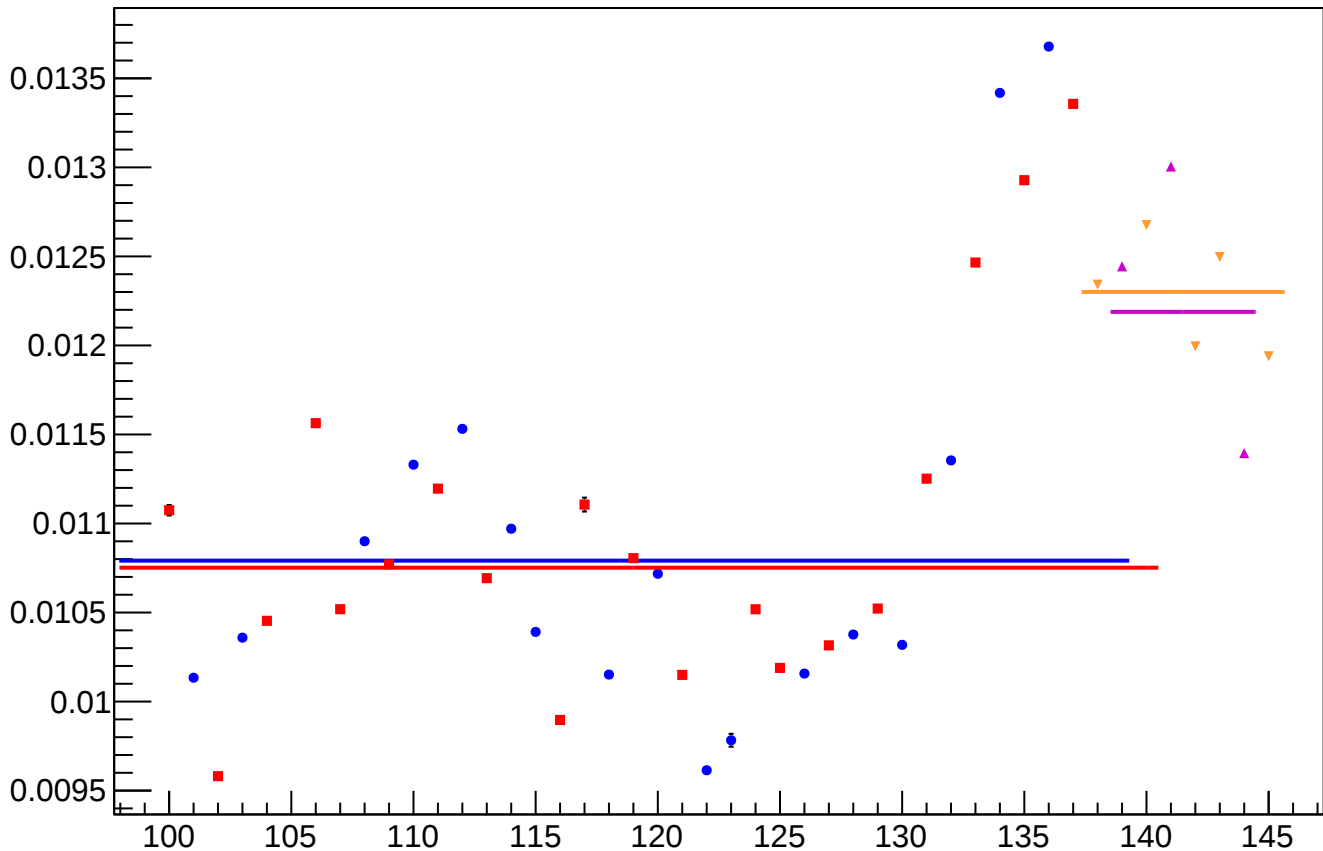
-0.296 ± 0.000 χ^2/NDF : 65458364976.8/21

Right Out: -0.796 ± 0.000 χ^2/NDF : 7827622544.3/19

-0.396 ± 0.000 χ^2/NDF : 53883942662.0/22

Left In: 1.117 ± 0.000 χ^2/NDF : 127176228.5/2

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 125802.4/16

Left Out: 0.012+/-0.000 χ^2/NDF : 3596.1/4

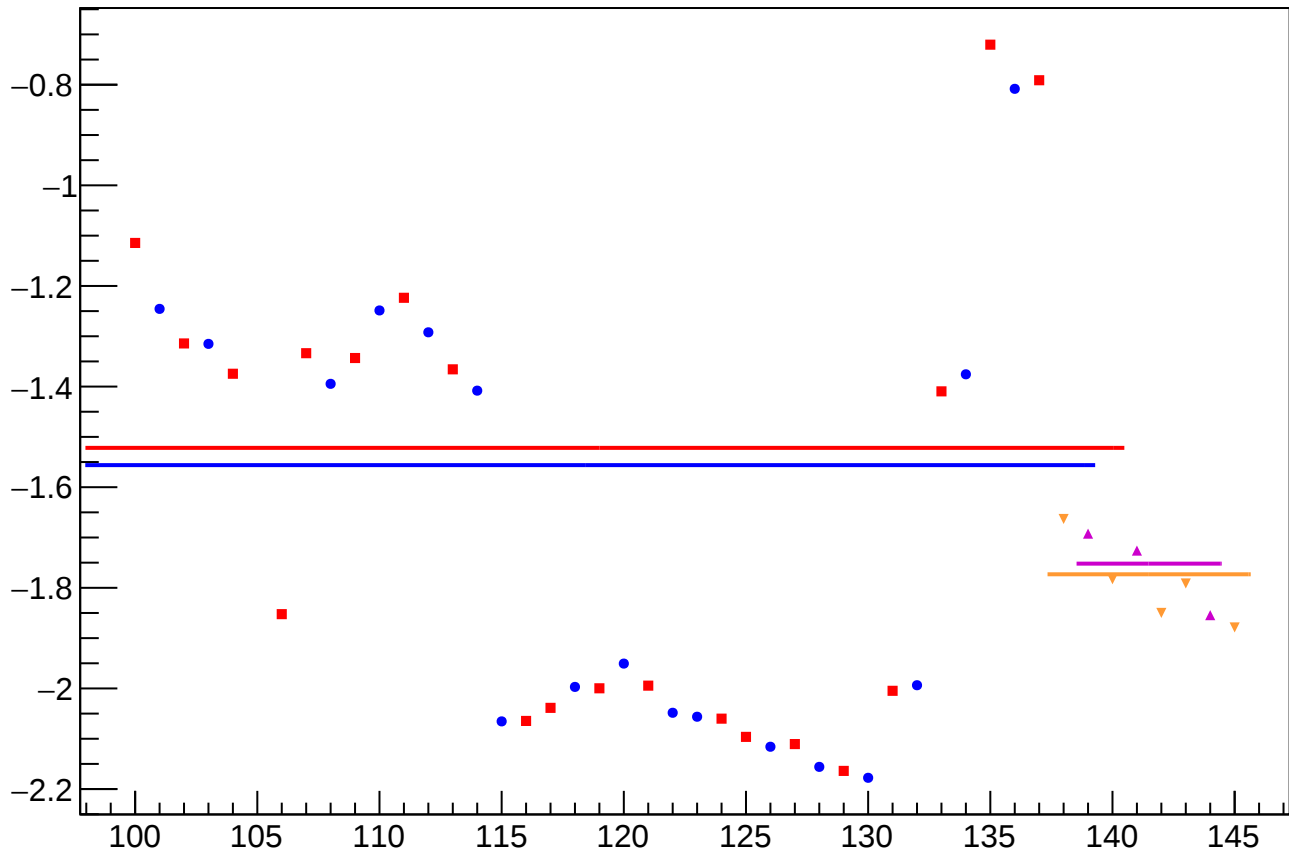
Right Out: 0.011+/-0.000 χ^2/NDF : 90303.3/19

Left In: 0.012+/-0.000 χ^2/NDF : 15397.7/2

0.011+/-0.000 χ^2/NDF : 200509.3/21

0.011+/-0.000 χ^2/NDF : 157486.1/22

yield_bpm0i01Y_mean vs Slug



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: -1.773+/-0.000 χ^2/NDF : 2195125699.8/4

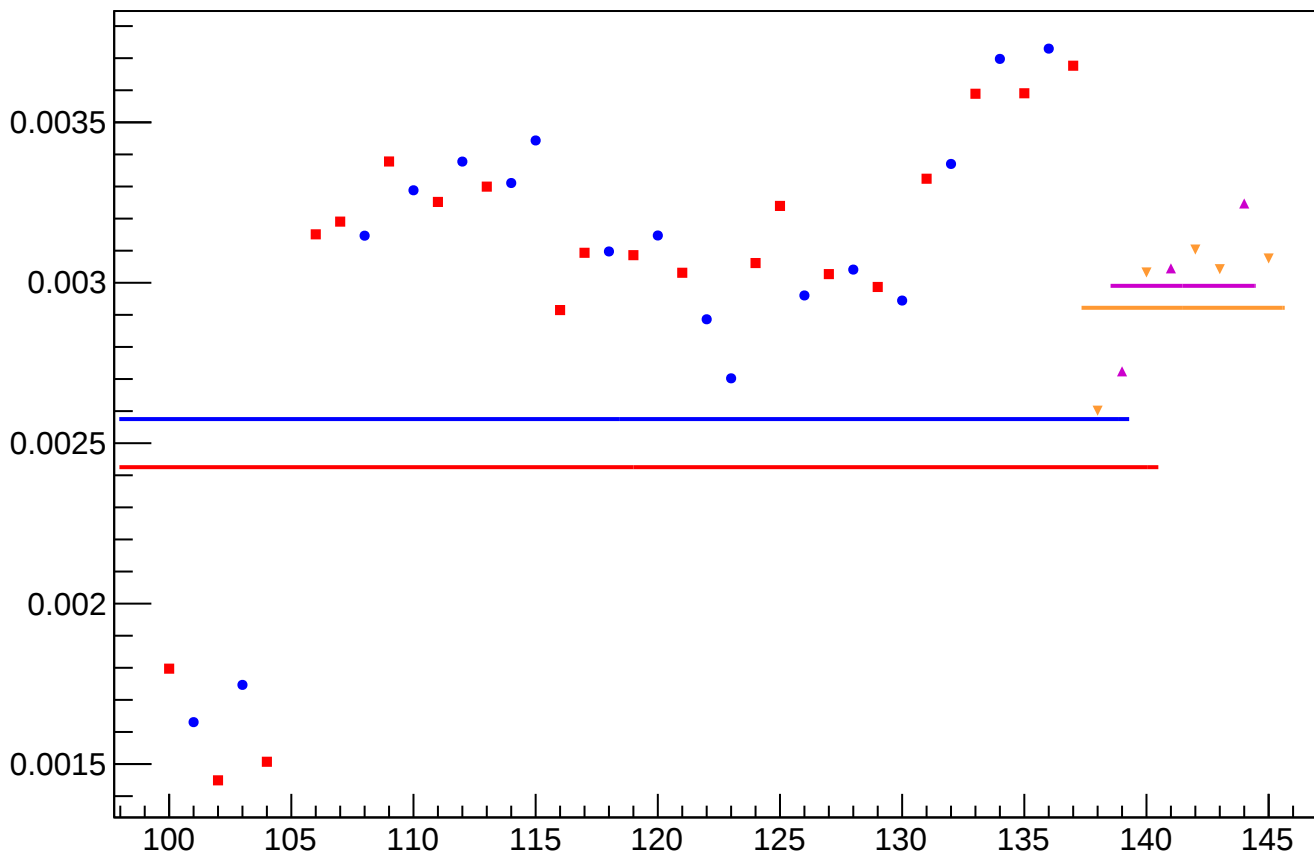
-1.619+/-0.000 χ^2/NDF : 168871206508.9/21

Right Out: -1.522+/-0.000 χ^2/NDF : 139385229659.4/19

-1.569+/-0.000 χ^2/NDF : 150949923321.7/22

Left In: -1.752+/-0.000 χ^2/NDF : 1136485072.9/2

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1013833.9/16

Left Out: 0.003+/-0.000 χ^2/NDF :30705.3/4

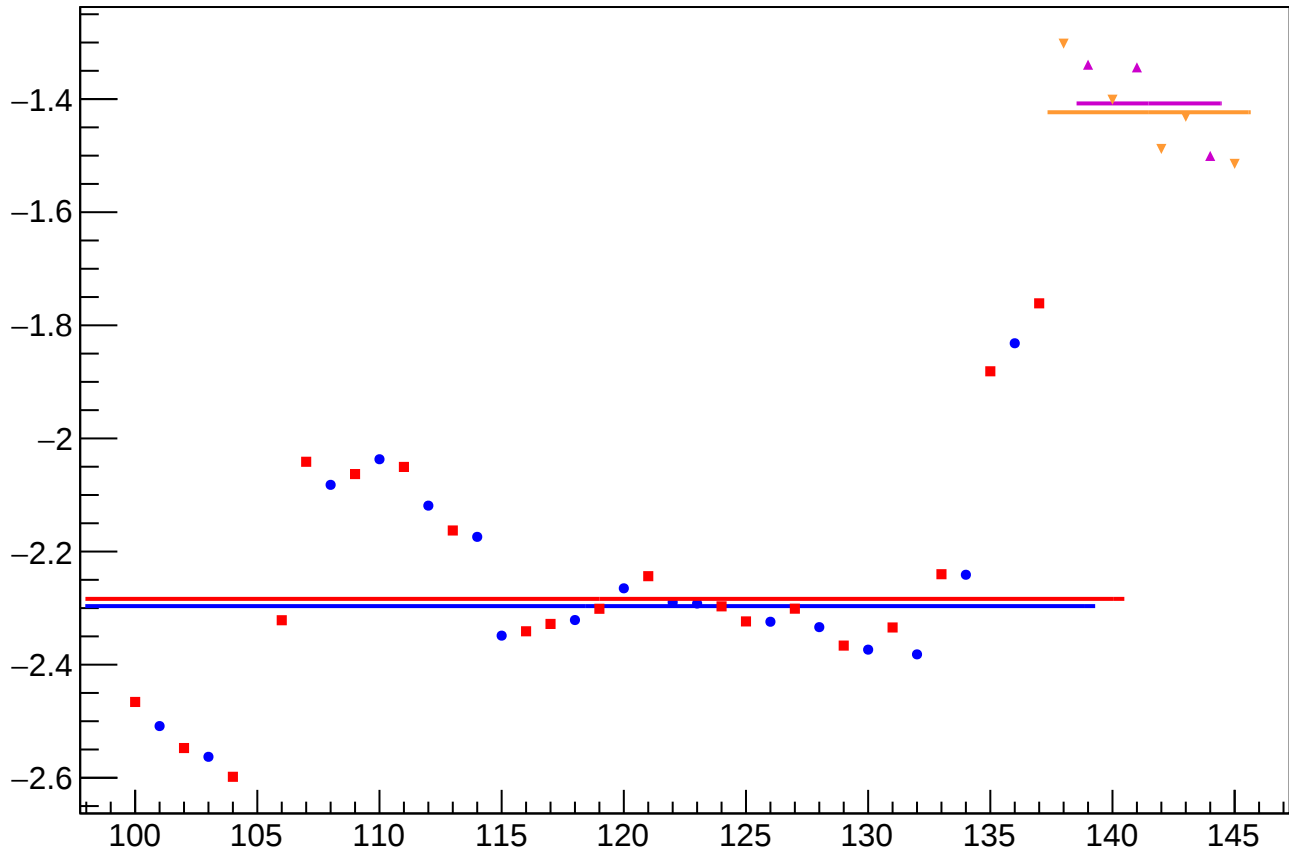
Right Out: 0.002+/-0.000 χ^2/NDF : 1493210.7/19

Left In: 0.003+/-0.000 χ^2/NDF :22626.2/2

0.003+/-0.000 χ^2/NDF : 1104345.8/21

0.003+/-0.000 χ^2/NDF : 1641634.3/22

yield_bpm0i01aX_mean vs Slug



Right In: -2.296 ± 0.000 χ^2/NDF : 5782980938.4/16

Left Out: -1.423 ± 0.000 χ^2/NDF : 262156674.2/4

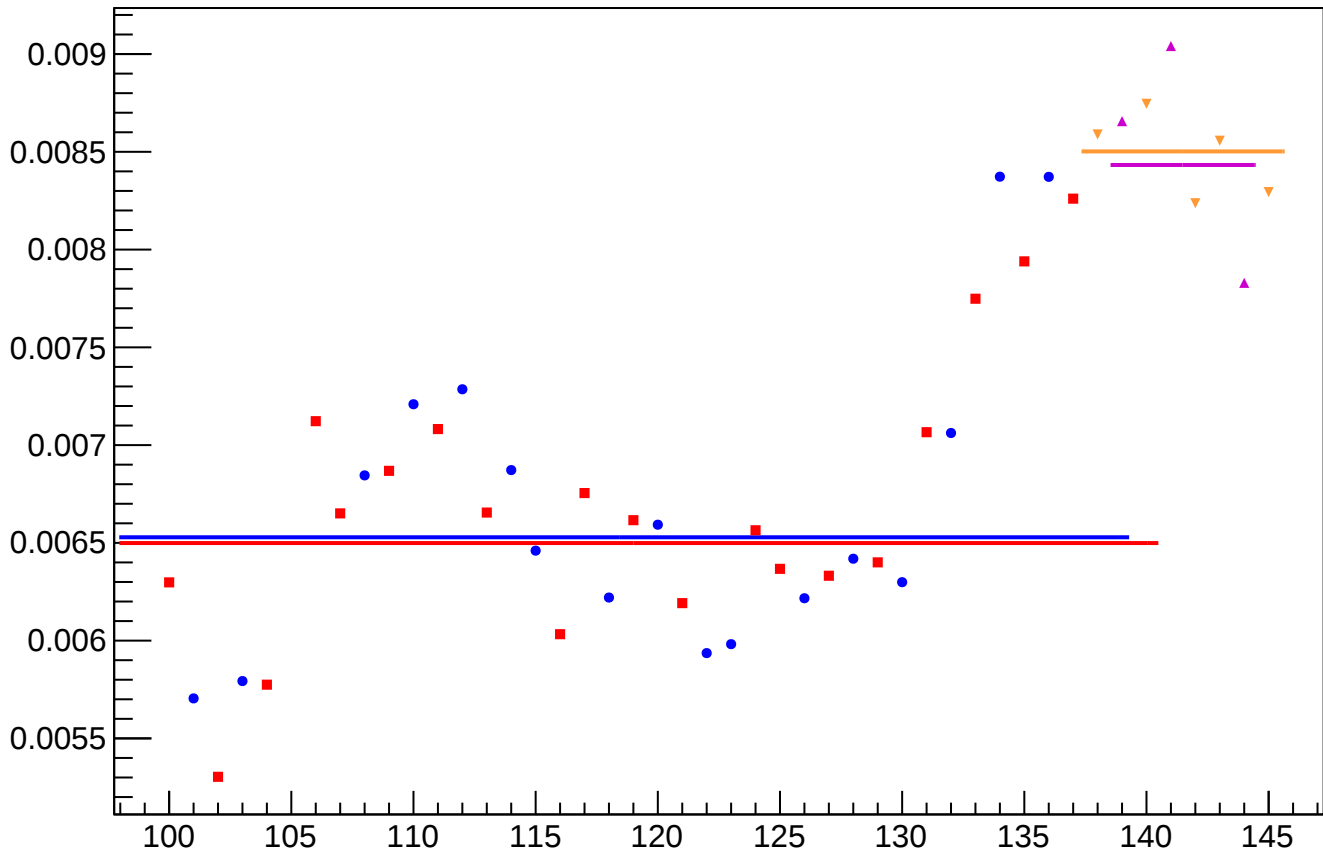
-2.098 ± 0.000 χ^2/NDF : 32376210600.8/21

Right Out: -2.284 ± 0.000 χ^2/NDF : 6550363990.6/19

-2.135 ± 0.000 χ^2/NDF : 27743080262.2/22

Left In: -1.408 ± 0.000 χ^2/NDF : 201833739.3/2

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 :3188.1/4

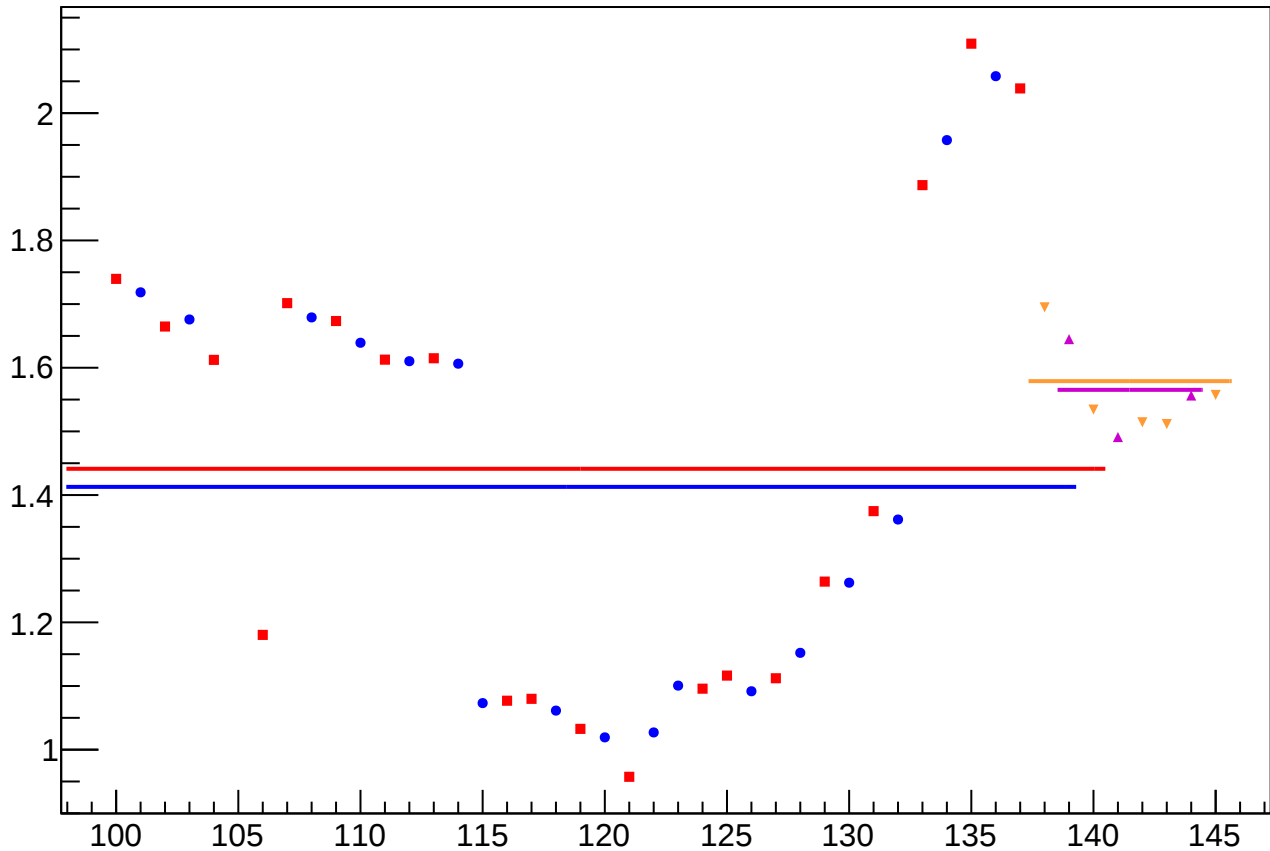
Right Out: 0.006+/-0.000 χ^2/NDF : 164253.8/19

Left In: 0.008+/-0.000 χ^2/NDF :18433.9/2

0.007+/-0.000 χ^2/NDF : 448645.0/21

0.007+/-0.000 χ^2/NDF : 387253.9/22

yield_bpm0i01aY_mean vs Slug



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 1.579+/-0.000 χ^2/NDF : 753911303.4/4

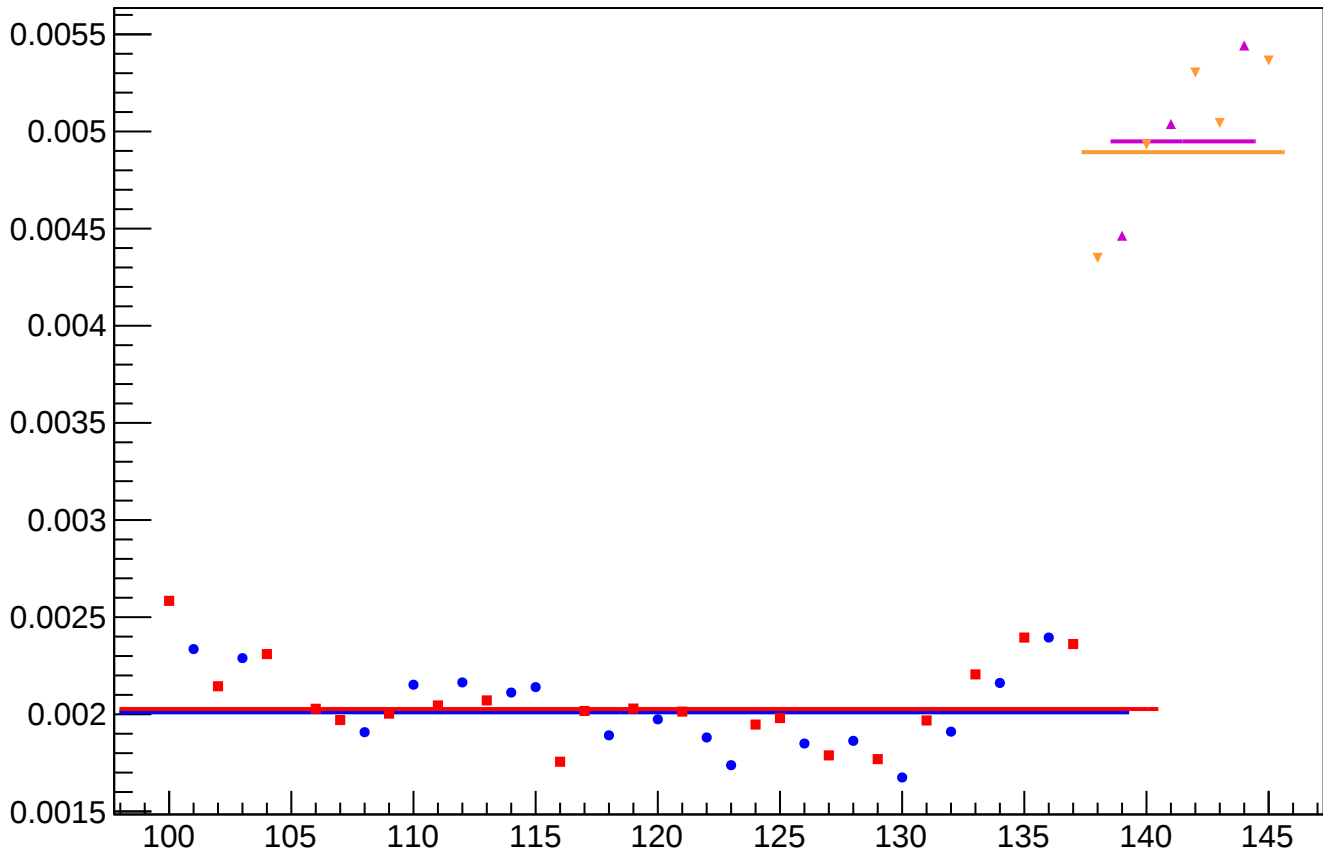
1.426+/-0.000 χ^2/NDF : 176613458083.5/21

Right Out: 1.441+/-0.000 χ^2/NDF : 174346888744.4/19

1.448+/-0.000 χ^2/NDF : 176099124559.8/22

Left In: 1.565+/-0.000 χ^2/NDF : 395496068.9/2

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 152530.4/16

Left Out: 0.005+/-0.000 χ^2/NDF : 38086.1/4

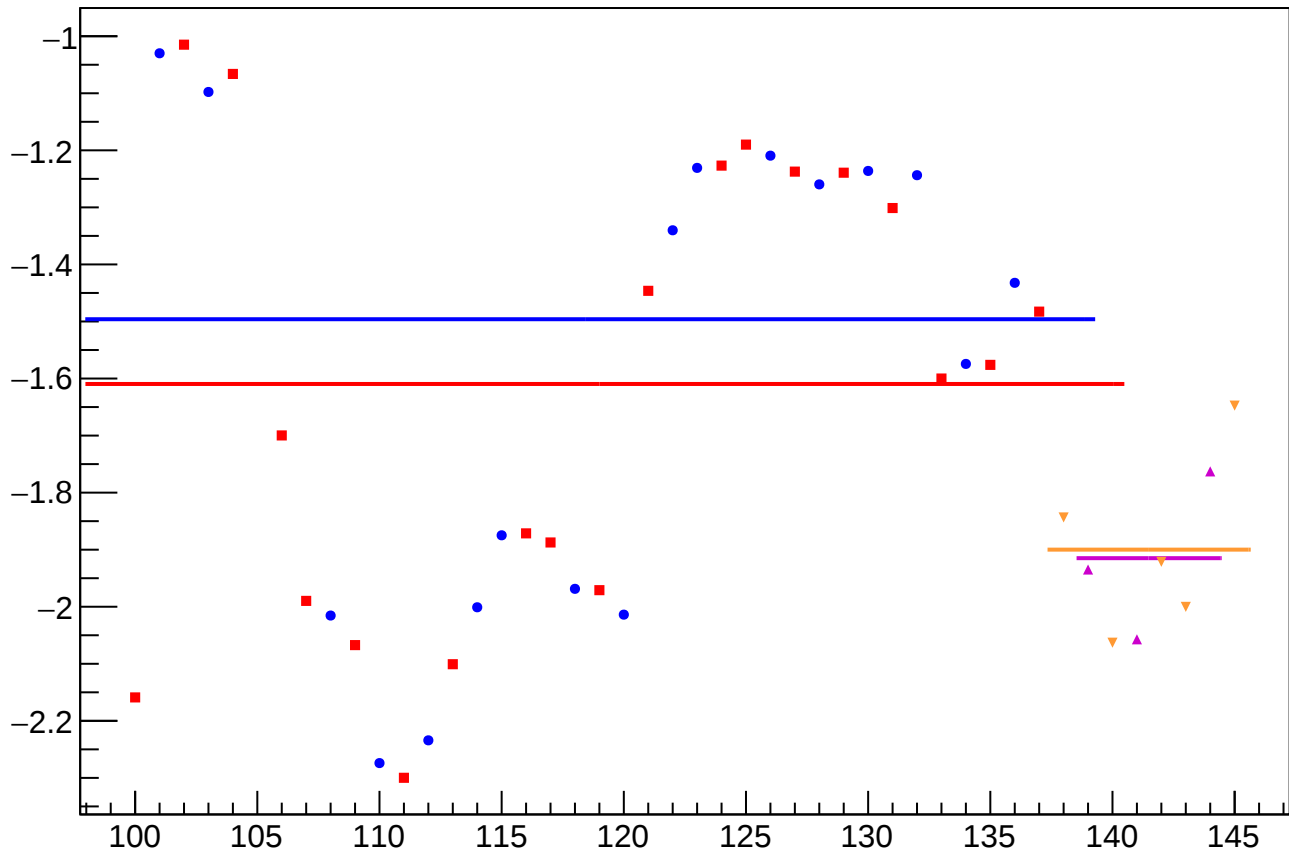
Right Out: 0.002+/-0.000 χ^2/NDF : 103927.8/19

Left In: 0.005+/-0.000 χ^2/NDF : 29515.1/2

0.002+/-0.000 χ^2/NDF : 2178734.0/21

0.002+/-0.000 χ^2/NDF : 1639577.0/22

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.900+/-0.000 χ^2/NDF : 2323412148.9/4

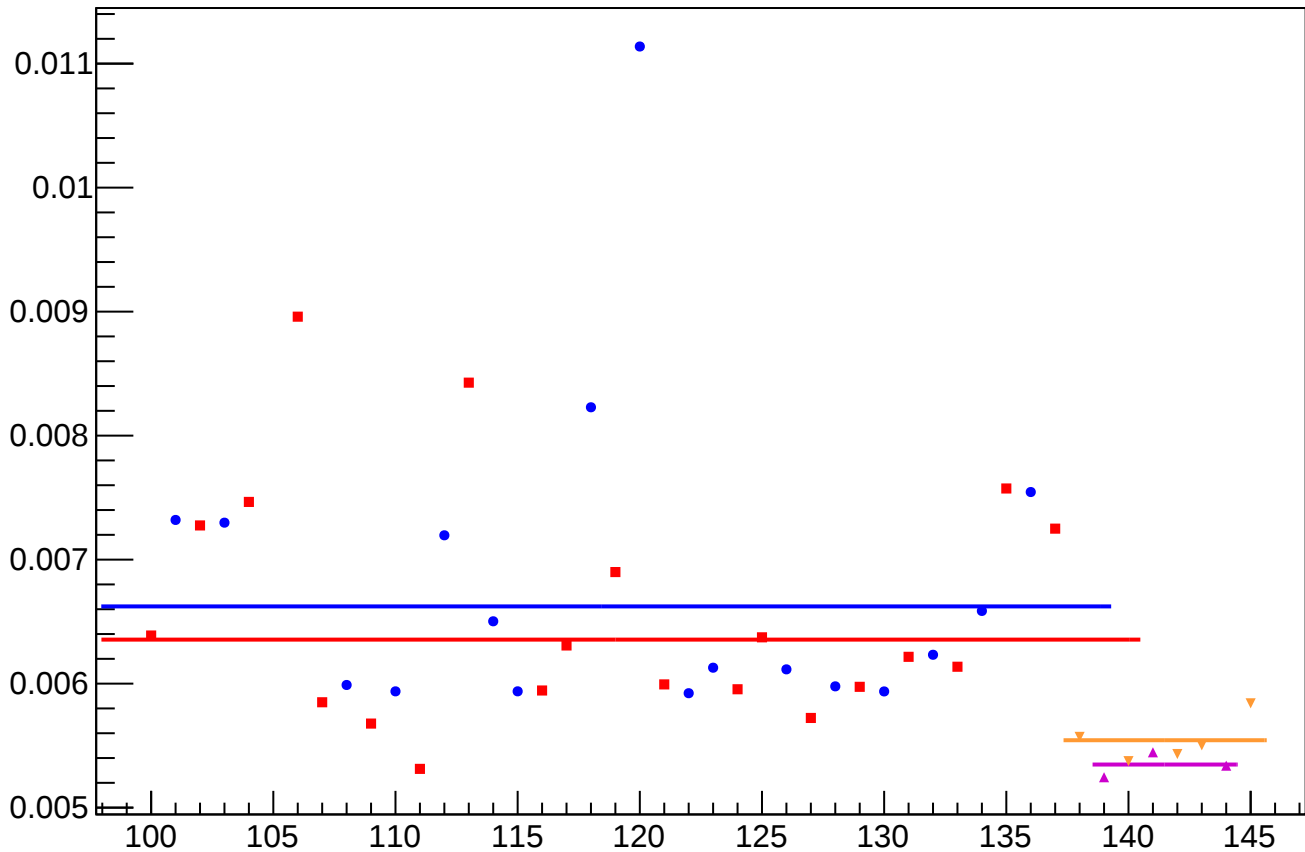
Right Out: -1.610+/-0.000 χ^2/NDF : 27919840690.9/19

Left In: -1.915+/-0.000 χ^2/NDF : 1243594529.9/2

-1.669+/-0.000 χ^2/NDF : 34545779284.3/21

-1.710+/-0.000 χ^2/NDF : 34219772953.9/22

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 232630.4/16

Left Out: 0.006+/-0.000 χ^2/NDF :5687.5/4

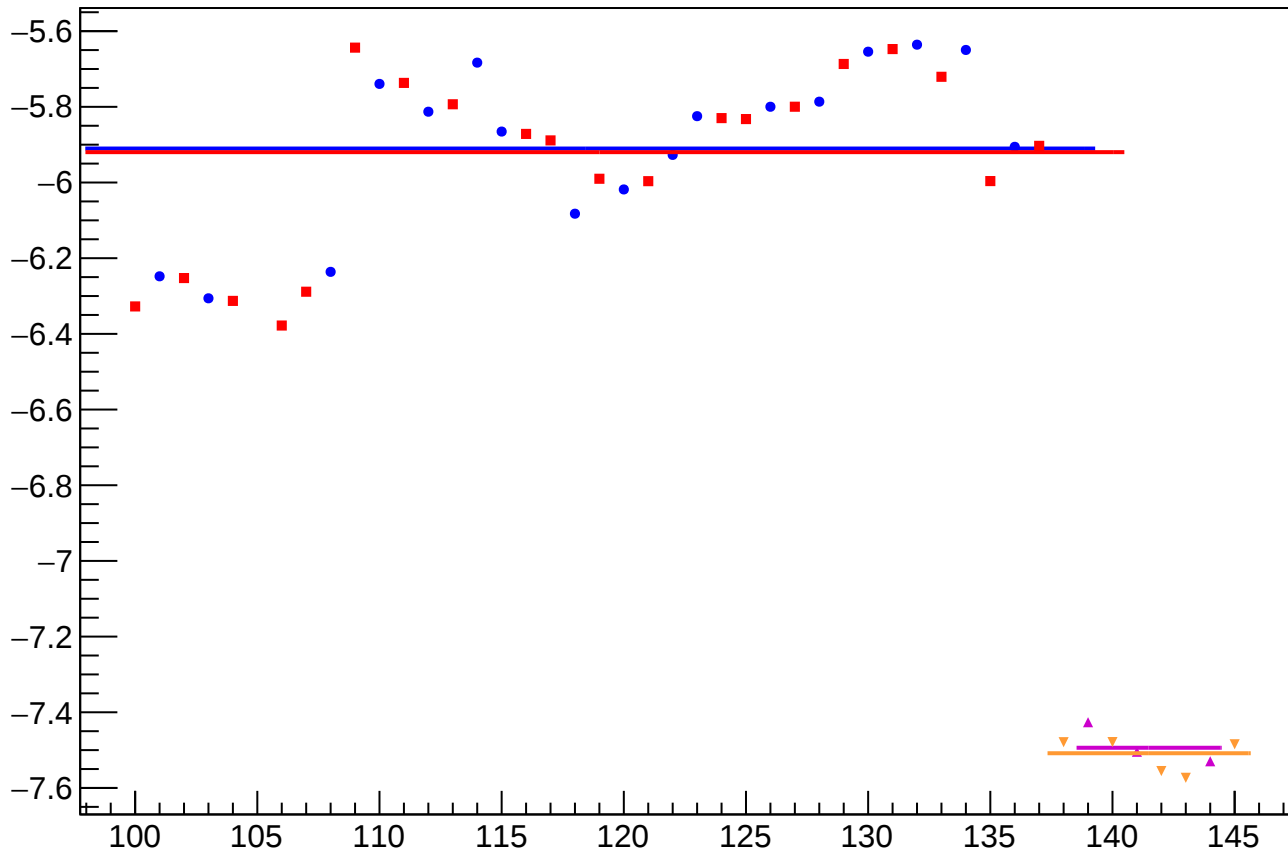
Right Out: 0.006+/-0.000 χ^2/NDF : 227865.9/19

Left In: 0.005+/-0.000 χ^2/NDF :1051.9/2

0.006+/-0.000 χ^2/NDF : 376817.2/21

0.006+/-0.000 χ^2/NDF : 339005.4/22

yield_bpm0l01Y_mean vs Slug



Right In: -5.910+/-0.000 χ^2/NDF : 11154434512.7/16

Left Out: -7.508+/-0.000 χ^2/NDF : 62543986.0/4

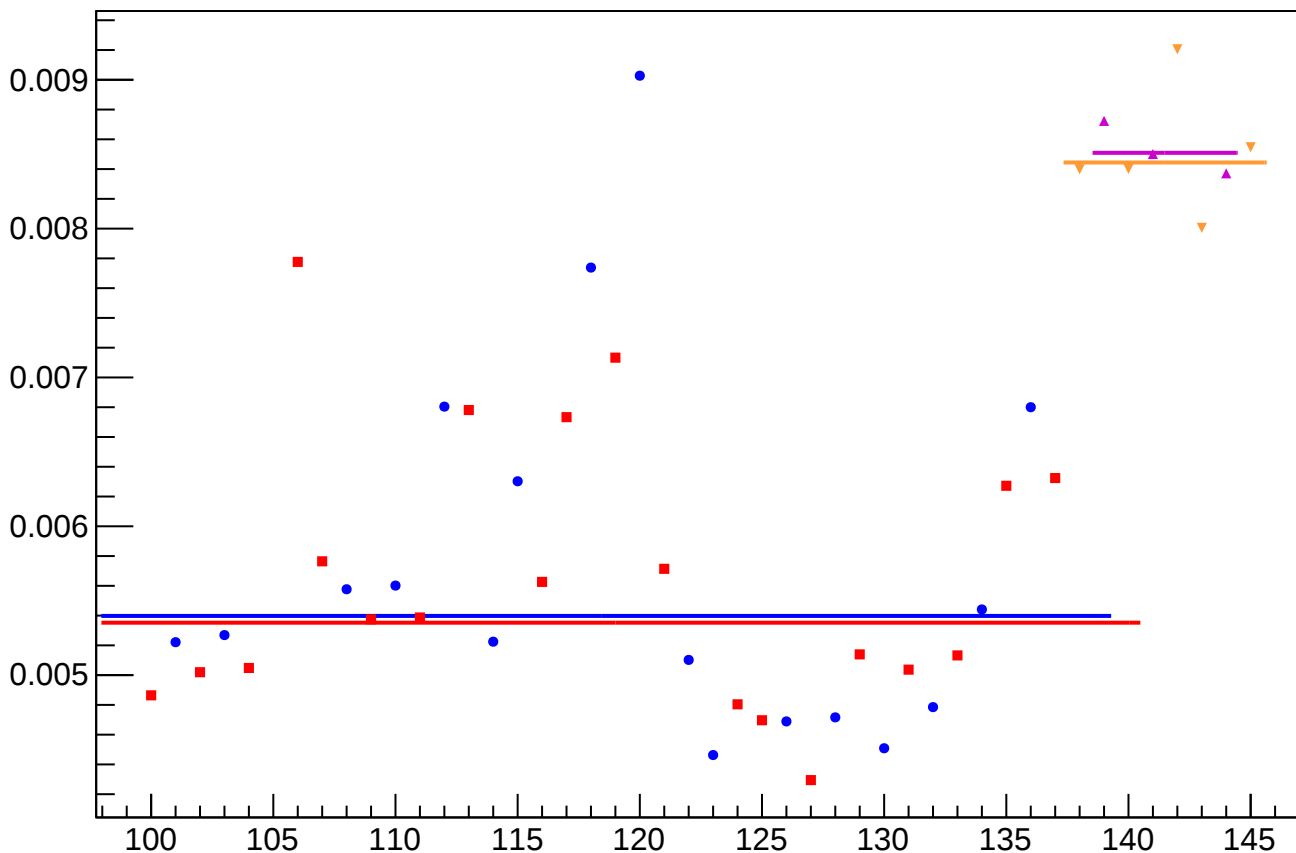
-6.164+/-0.000 χ^2/NDF : 93349195033.4/21

Right Out: -5.920+/-0.000 χ^2/NDF : 12786449843.6/19

-6.097+/-0.000 χ^2/NDF : 75172610354.3/22

Left In: -7.494+/-0.000 χ^2/NDF : 48184111.1/2

yield_bpm0l01Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2/NDF : 371347.4/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF :8360.6/4

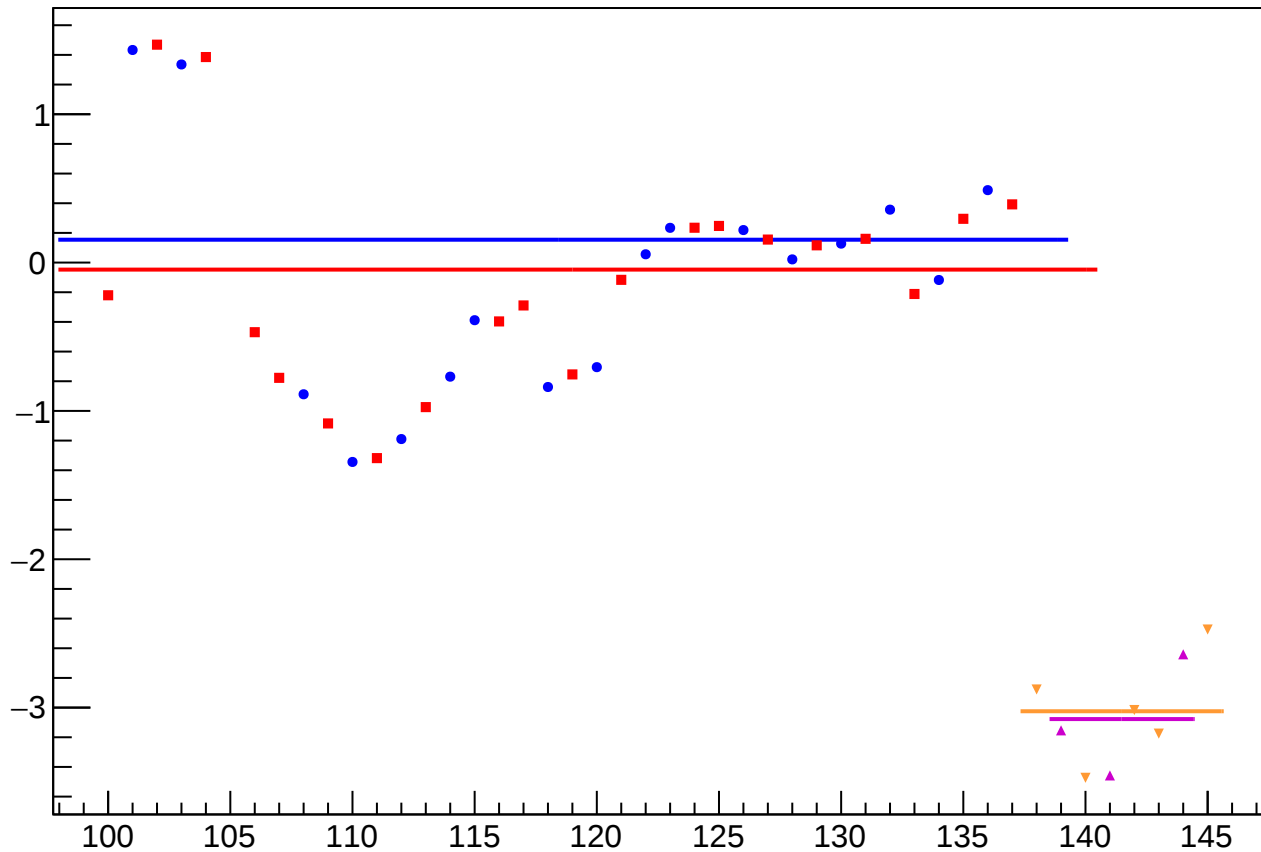
Right Out: 0.005 $\pm$ 0.000 χ^2/NDF : 252664.1/19

Left In: 0.009 $\pm$ 0.000 χ^2/NDF :1084.2/2

0.006 $\pm$ 0.000 χ^2/NDF : 976711.0/21

0.006 $\pm$ 0.000 χ^2/NDF : 755274.7/22

yield_bpm0l02X_mean vs Slug



Right In: 0.154+/-0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.025+/-0.000 χ^2/NDF : 1378941156.1/4

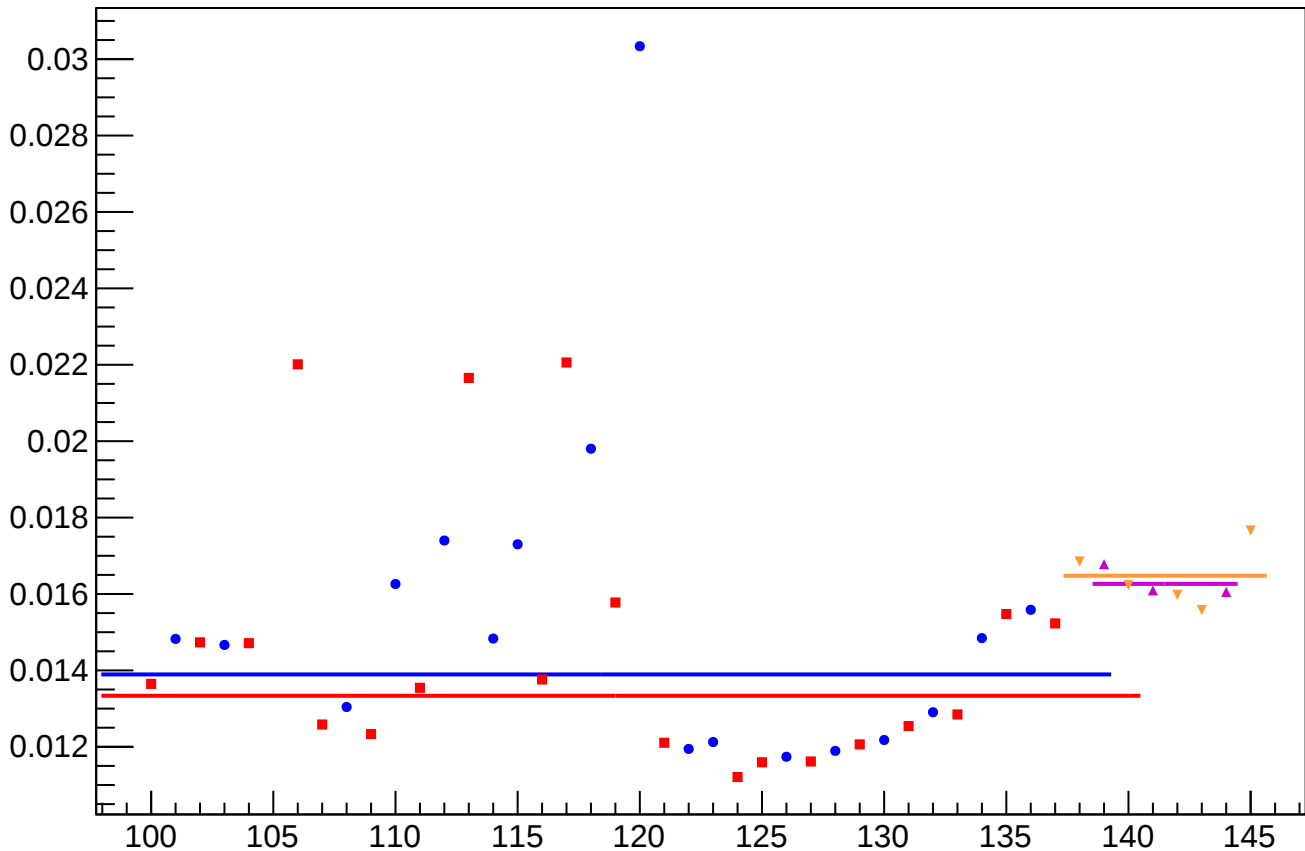
-0.714+/-0.000 χ^2/NDF : 103001204570.5/21

Right Out: -0.047+/-0.000 χ^2/NDF : 21216074494.2/19

-0.630+/-0.000 χ^2/NDF : 86693203627.6/22

Left In: -3.077+/-0.000 χ^2/NDF : 1075758373.3/2

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 400569.4/16

Left Out: 0.016+/-0.000 χ^2/NDF :12089.4/4

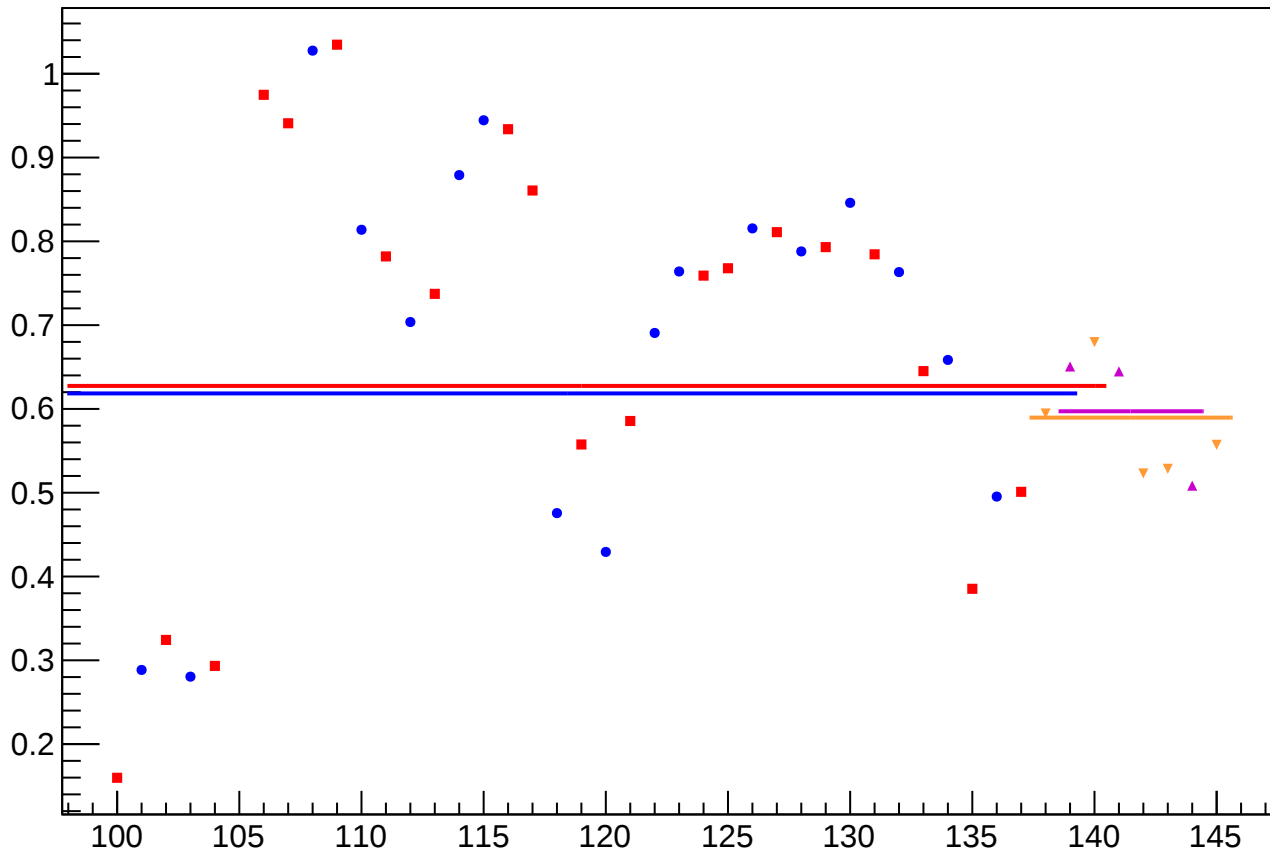
Right Out: 0.013+/-0.000 χ^2/NDF : 303459.9/19

Left In: 0.016+/-0.000 χ^2/NDF :1706.5/2

0.015+/-0.000 χ^2/NDF : 524496.9/21

0.014+/-0.000 χ^2/NDF : 425540.9/22

yield_bpm0l02Y_mean vs Slug



Right In: 0.619+/-0.000 χ^2/NDF : 5416939288.1/16

Left Out: 0.590+/-0.000 χ^2/NDF : 209225129.1/4

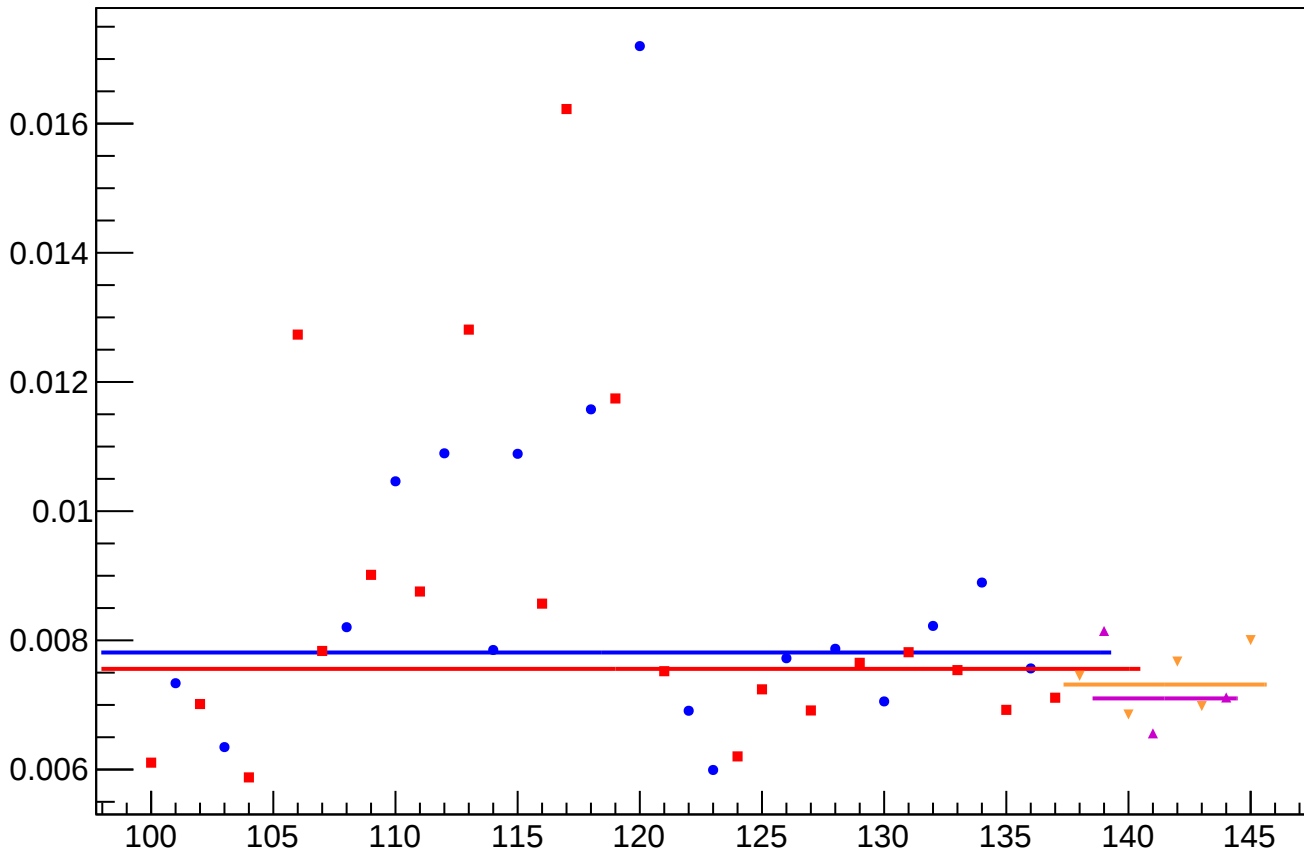
0.608+/-0.000 χ^2/NDF : 5655306504.1/21

Right Out: 0.627+/-0.000 χ^2/NDF : 6345684740.0/19

0.619+/-0.000 χ^2/NDF : 6566914379.7/22

Left In: 0.597+/-0.000 χ^2/NDF : 192647715.4/2

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 :20901.4/4

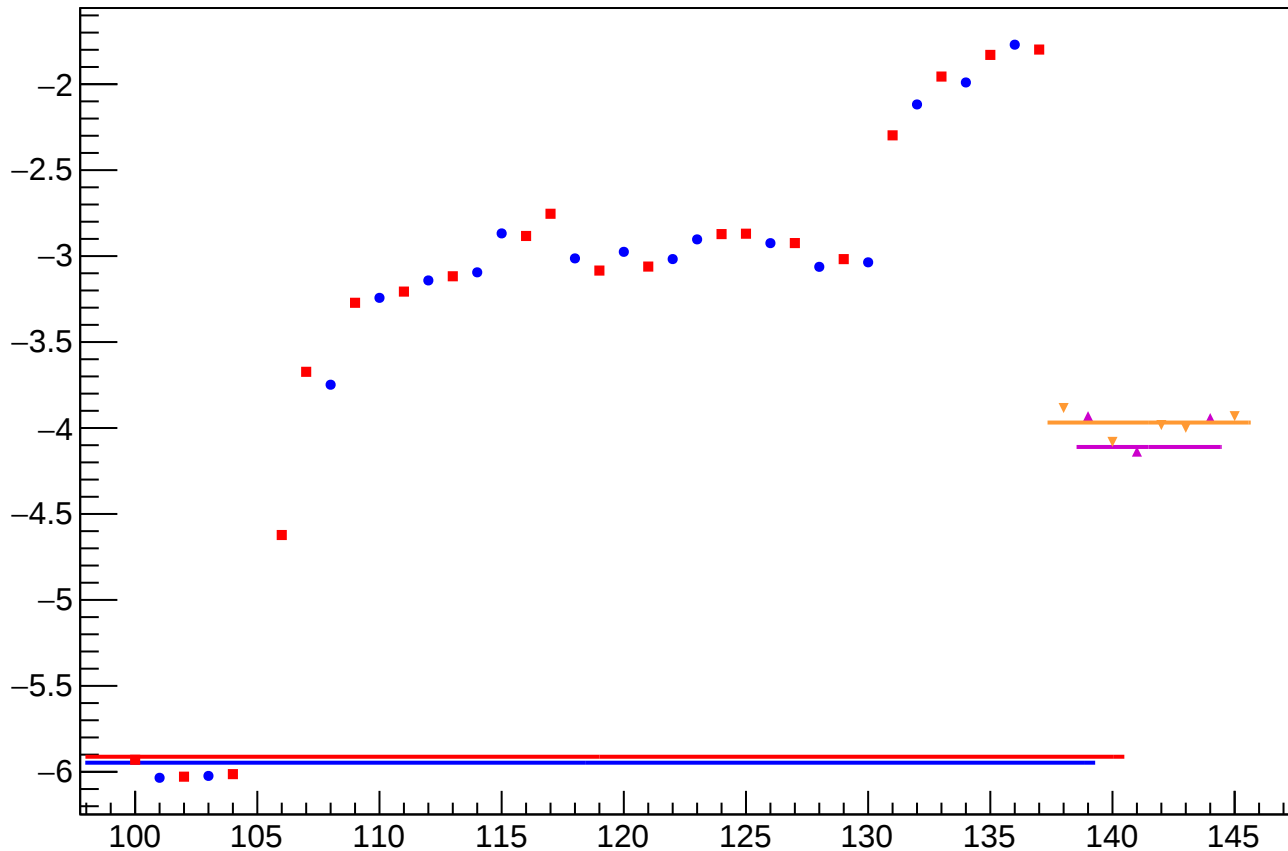
Right Out: 0.008+/-0.000 χ^2/NDF : 463232.7/19

Left In: 0.007+/-0.000 χ^2/NDF :31496.0/2

0.008+/-0.000 χ^2/NDF : 504919.8/21

0.007+/-0.000 χ^2/NDF : 507783.7/22

yield_bpm0l03X_mean vs Slug



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -3.968+/-0.000 χ^2/NDF : 2211732.0/4

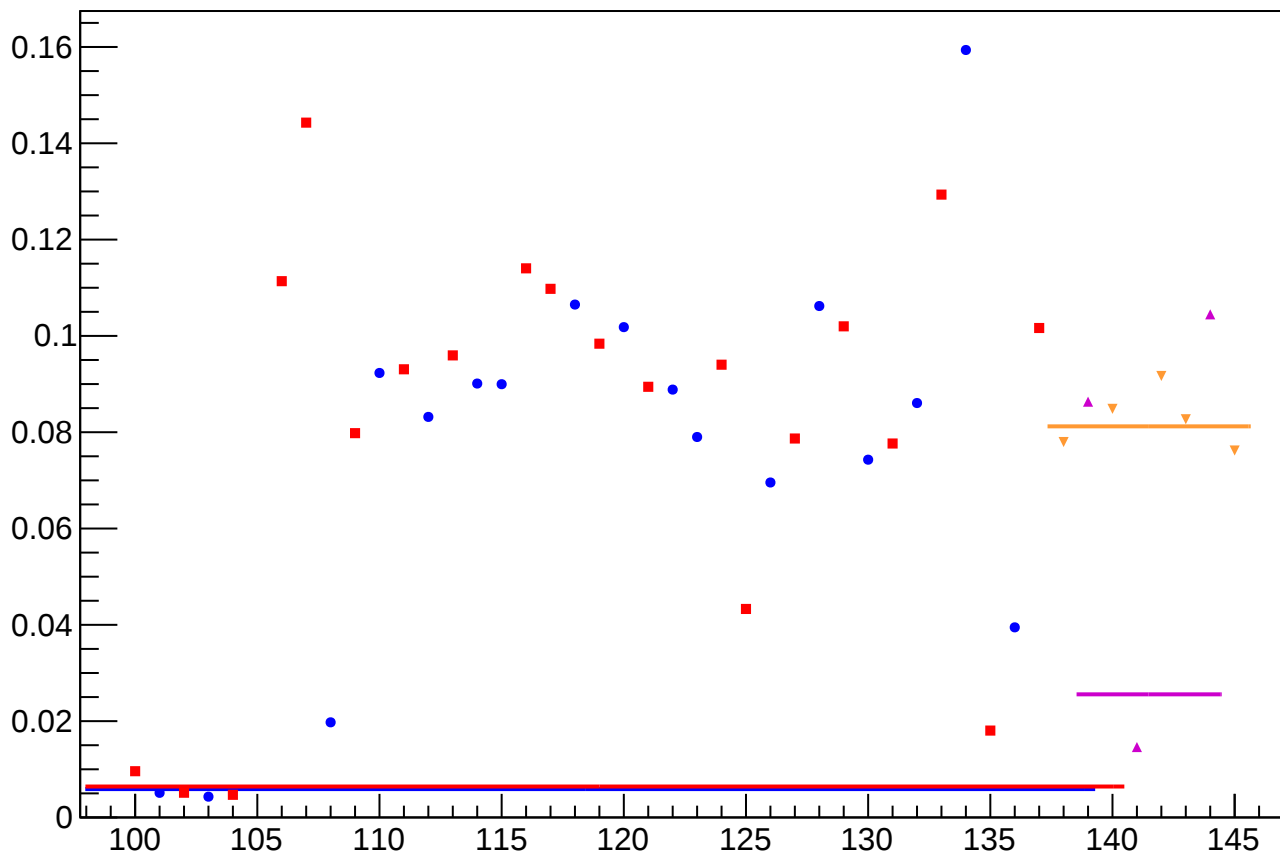
-5.928+/-0.000 χ^2/NDF : 14938461242.4/21

Right Out: -5.912+/-0.000 χ^2/NDF : 14648055548.9/19

-5.866+/-0.000 χ^2/NDF : 17844167880.9/22

Left In: -4.110+/-0.000 χ^2/NDF : 4719312.3/2

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 7934545.2/16

Left Out: 0.081+/-0.000 χ^2/NDF :21994.9/4

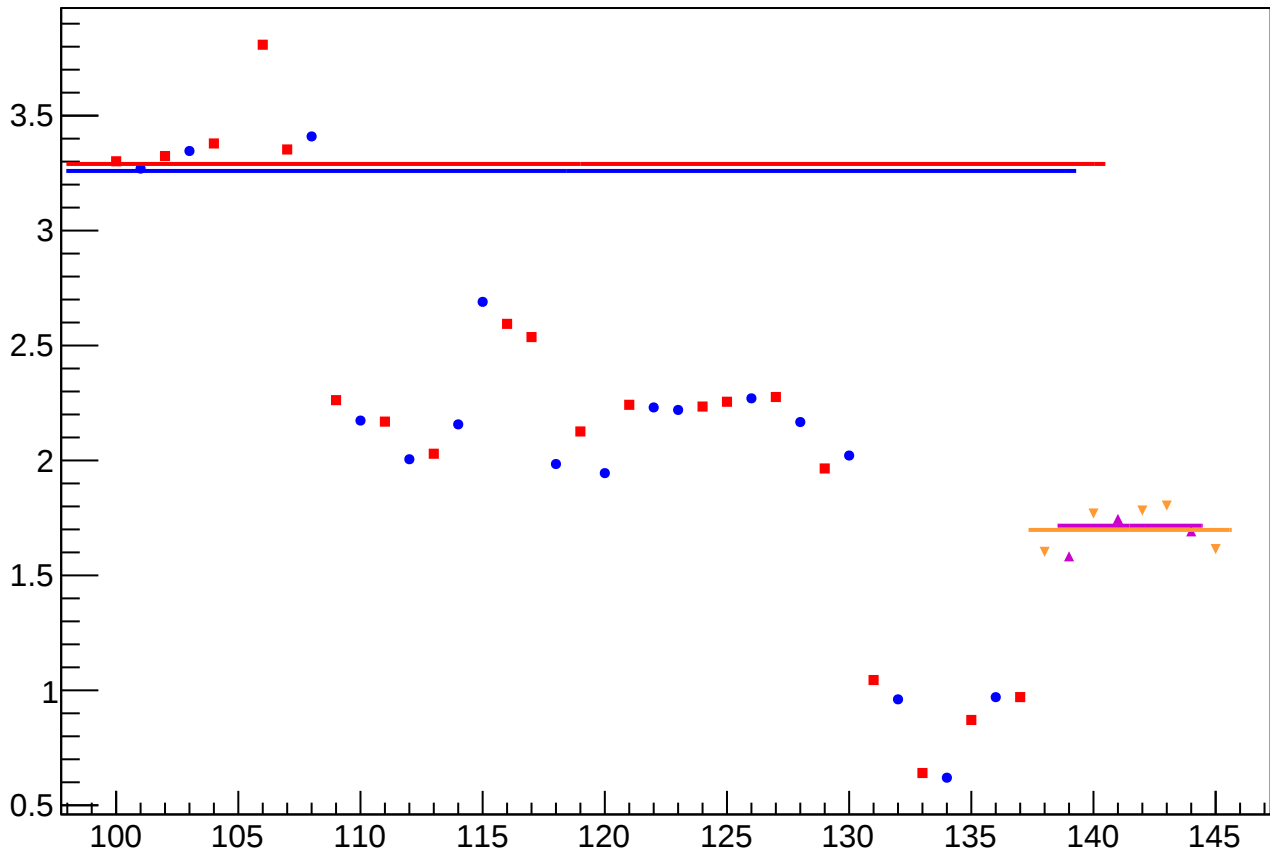
Right Out: 0.006+/-0.000 χ^2/NDF : 8558731.2/19

Left In: 0.026+/-0.000 χ^2/NDF :1575070.7/2

0.007+/-0.000 χ^2/NDF : 13087727.7/21

0.007+/-0.000 χ^2/NDF : 10854231.2/22

yield_bpm0l03Y_mean vs Slug



Right In: 3.259+/-0.000 χ^2/NDF : 2921931976.8/16

Left Out: 1.698+/-0.000 χ^2/NDF :3246307.9/4

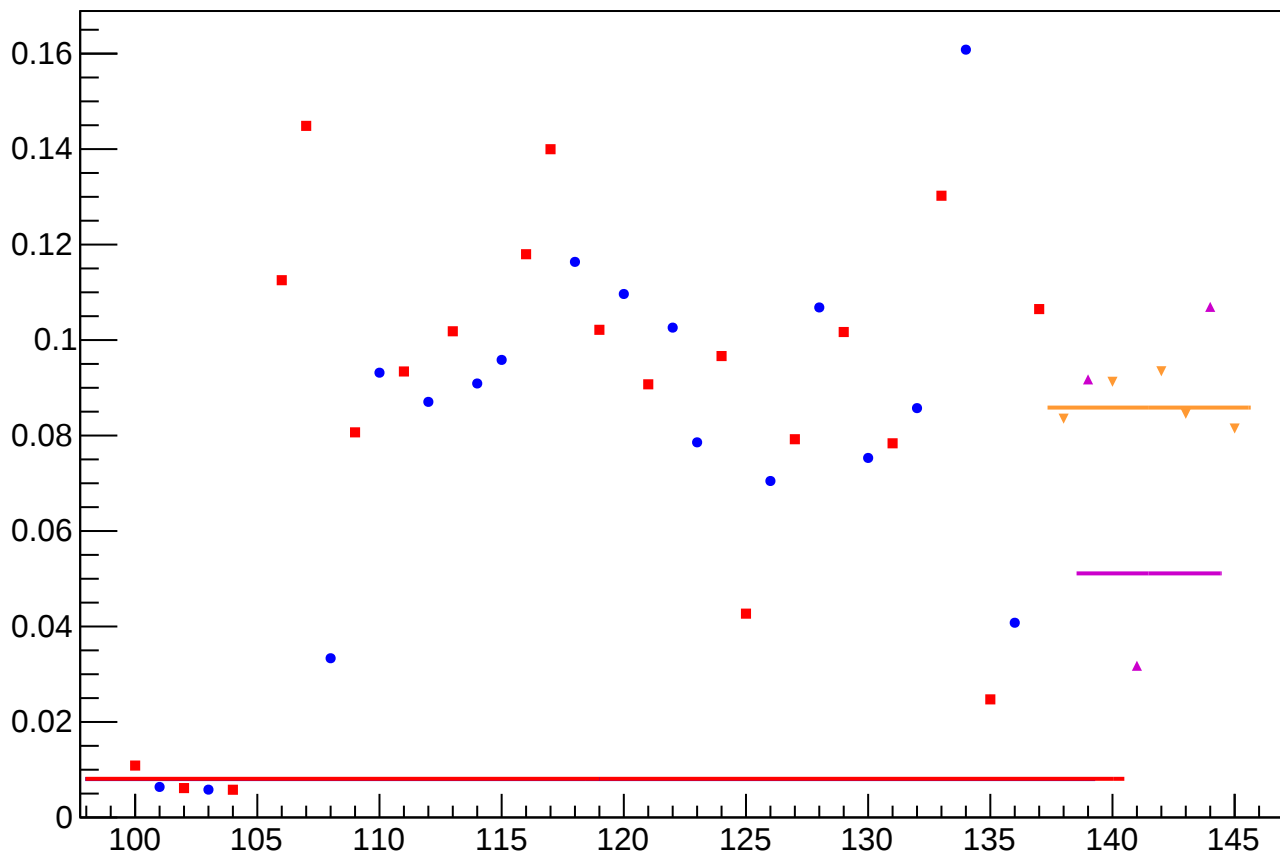
3.237+/-0.000 χ^2/NDF : 3912541897.7/21

Right Out: 3.290+/-0.000 χ^2/NDF : 3263300926.6/19

3.264+/-0.000 χ^2/NDF : 4349261389.1/22

Left In: 1.716+/-0.000 χ^2/NDF :1356837.3/2

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 7742048.1/16

Left Out: 0.086+/-0.000 χ^2/NDF :15639.5/4

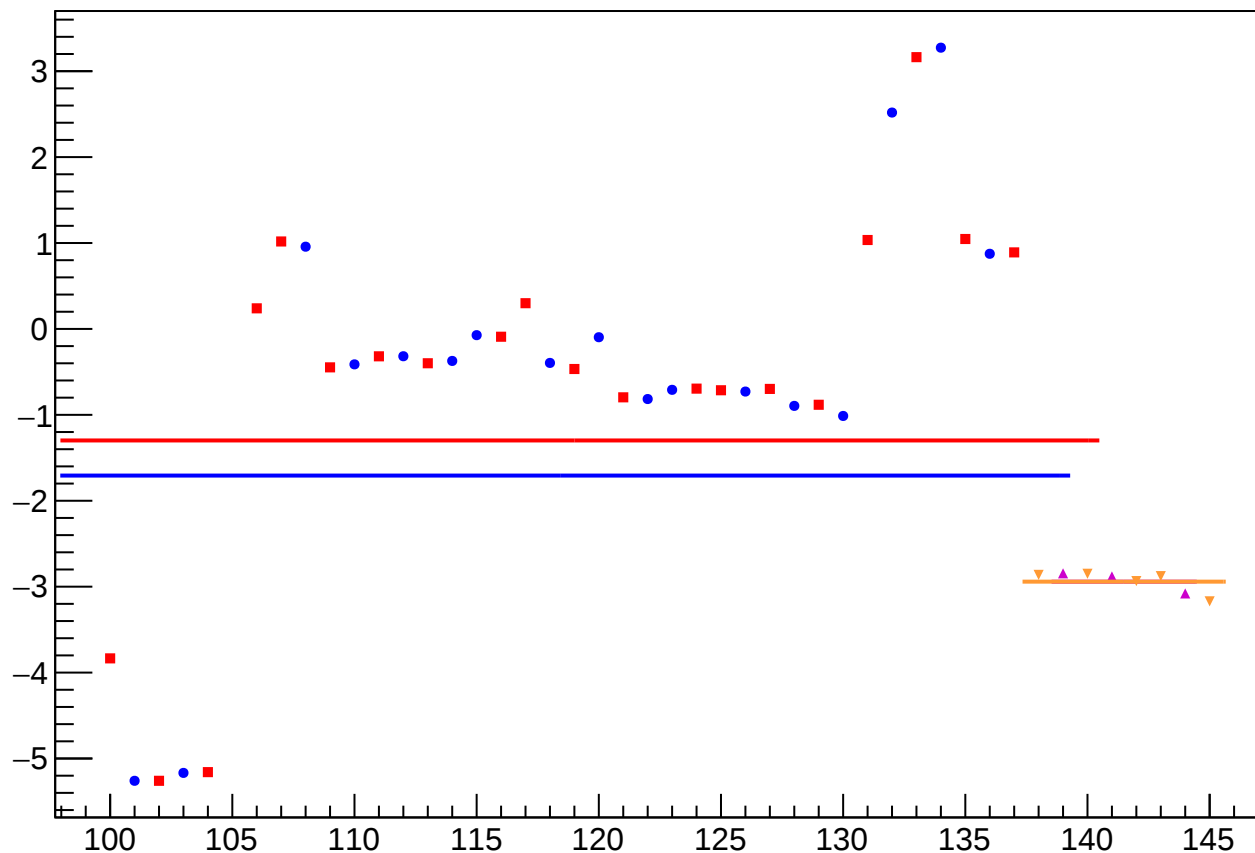
Right Out: 0.008+/-0.000 χ^2/NDF : 8375005.0/19

Left In: 0.051+/-0.000 χ^2/NDF :855496.0/2

0.009+/-0.000 χ^2/NDF : 12661220.5/21

0.009+/-0.000 χ^2/NDF : 10852359.5/22

yield_bpm0l04X_mean vs Slug



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.941+/-0.000 χ^2/NDF : 917004268.7/4

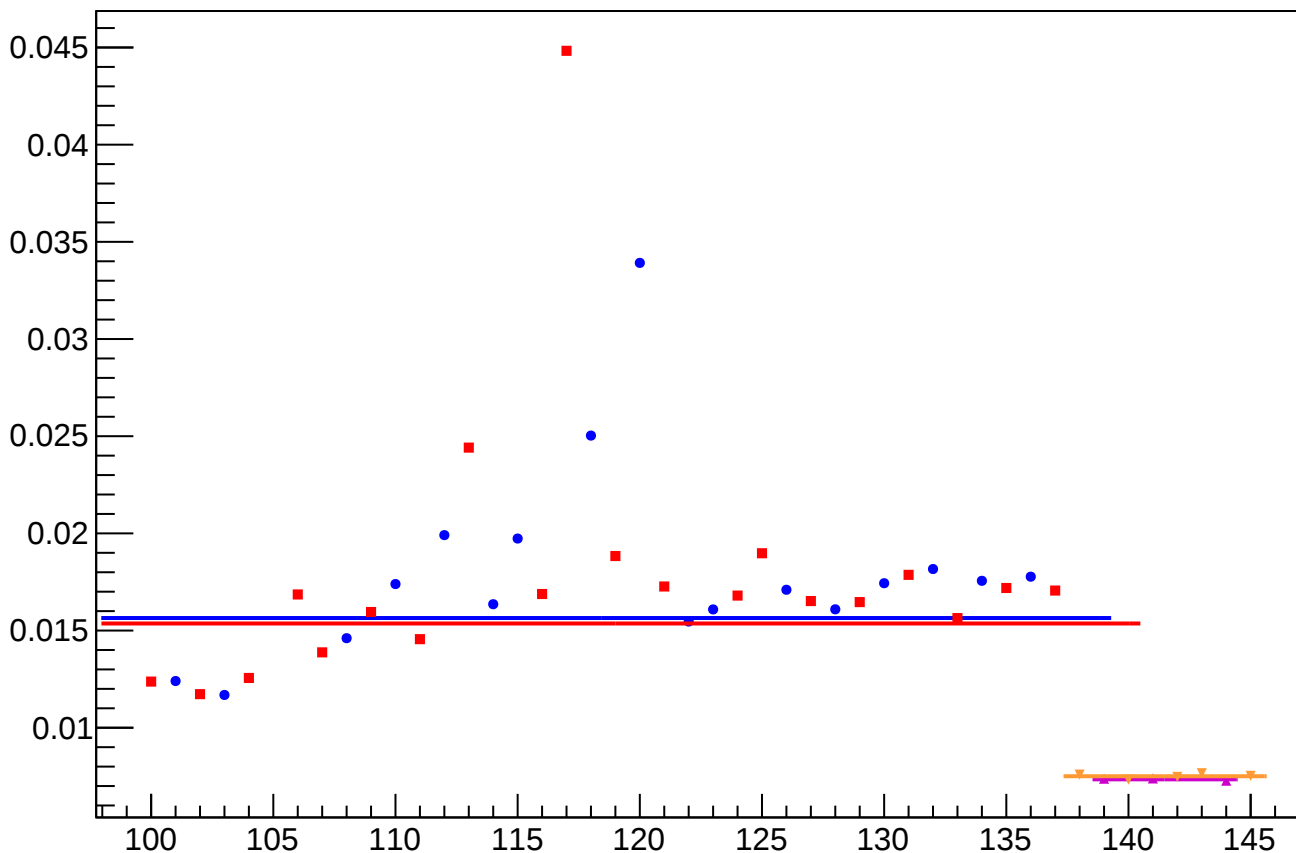
Right Out: -1.298+/-0.000 χ^2/NDF : 178085926993.4/19

Left In: -2.942+/-0.000 χ^2/NDF : 464852104.7/2

-2.587+/-0.000 χ^2/NDF : 191918008974.1/21

-2.318+/-0.000 χ^2/NDF : 222728079240.4/22

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 578244.3/16

Left Out: 0.008+/-0.000 χ^2/NDF : 1574.4/4

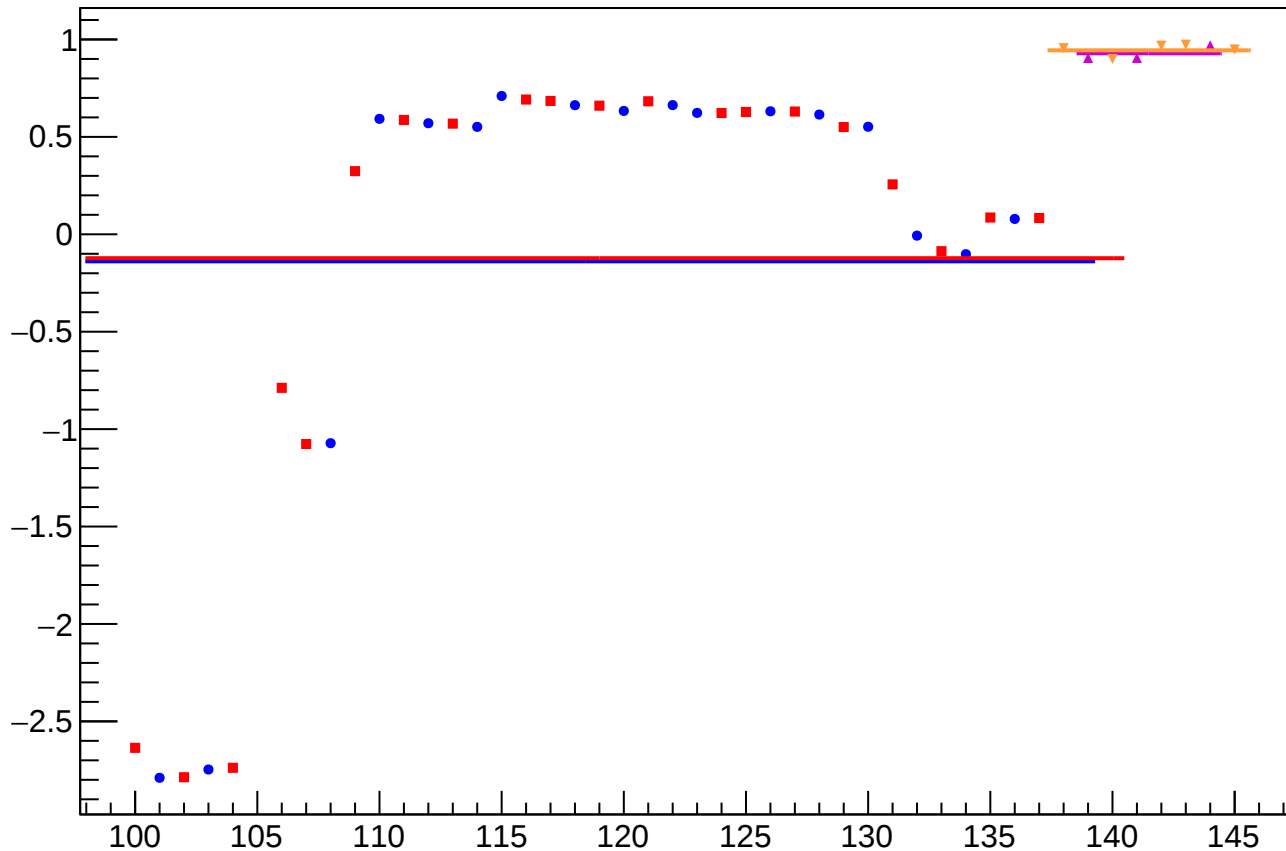
Right Out: 0.015+/-0.000 χ^2/NDF : 387283.2/19

Left In: 0.007+/-0.000 χ^2/NDF : 239.6/2

0.010+/-0.000 χ^2/NDF : 2742707.9/21

0.010+/-0.000 χ^2/NDF : 2489309.6/22

yield_bpm0l04Y_mean vs Slug



Right In: -0.139+/-0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.944+/-0.000 χ^2/NDF :48728156.9/4

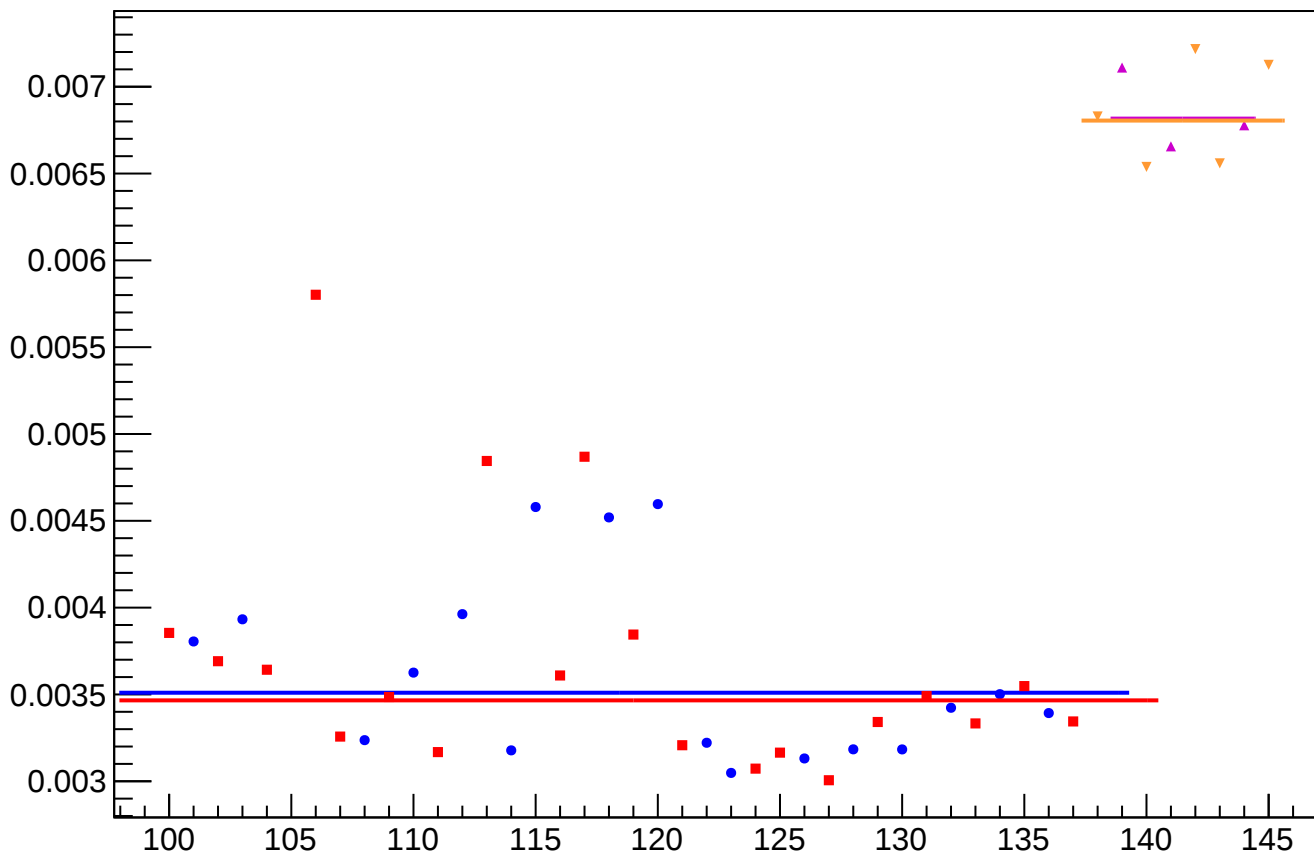
-0.022+/-0.000 χ^2/NDF : 779829014665.0/21

Right Out: -0.123+/-0.000 χ^2/NDF : 762580598699.5/19

-0.043+/-0.000 χ^2/NDF : 810039742129.0/22

Left In: 0.929+/-0.000 χ^2/NDF :44448150.1/2

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 ± 0.000 χ^2/NDF : 171337.9/16

Left Out: 0.007 ± 0.000 χ^2/NDF : 8963.9/4

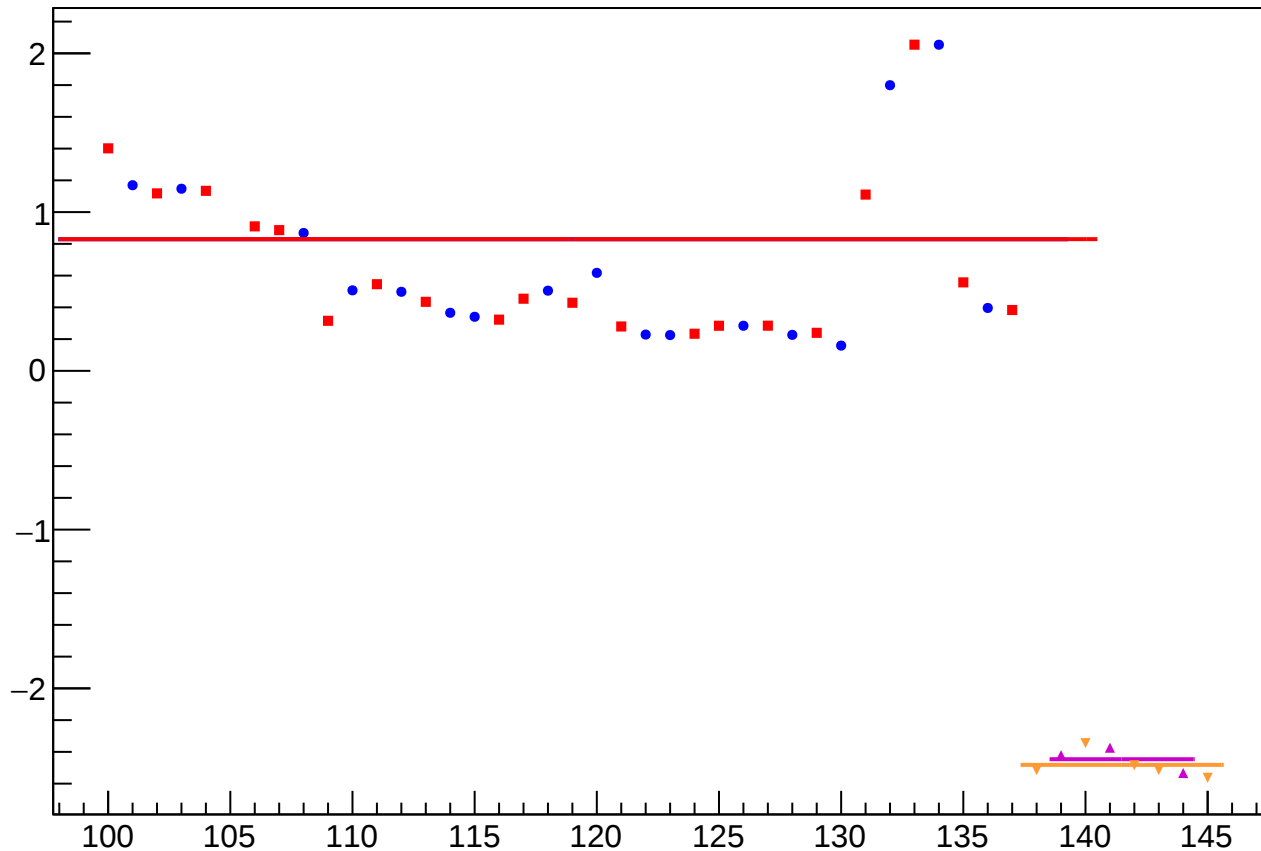
Right Out: 0.003 ± 0.000 χ^2/NDF : 222524.1/19

Left In: 0.007 ± 0.000 χ^2/NDF : 2992.6/2

0.004 ± 0.000 χ^2/NDF : 1378722.6/21

0.004 ± 0.000 χ^2/NDF : 1188101.7/22

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000 χ^2/NDF : 31718573821.2/16

Left Out: -2.482+/-0.000 χ^2/NDF : 460947310.7/4

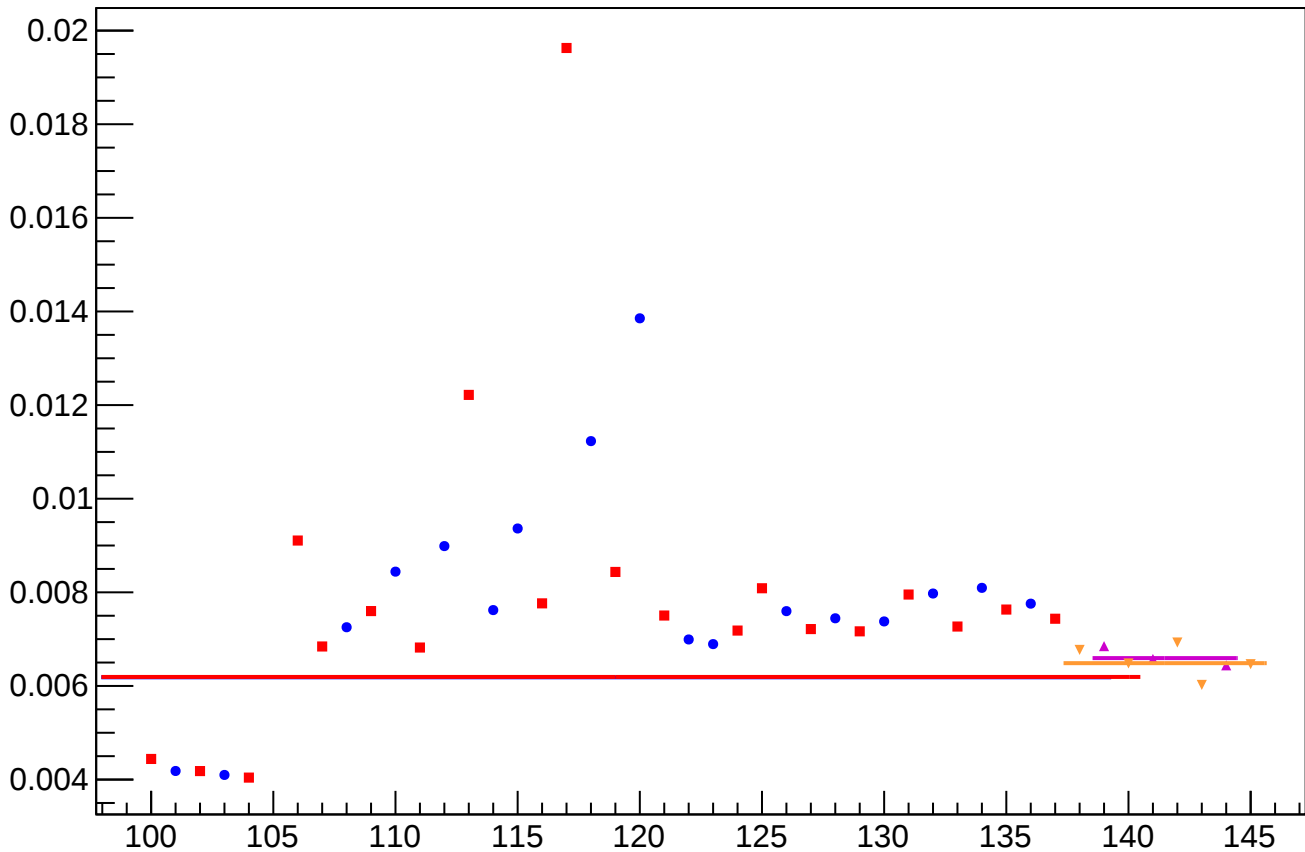
-0.287+/-0.000 χ^2/NDF : 545490903793.7/21

Right Out: 0.830+/-0.000 χ^2/NDF : 33349713412.0/19

0.011+/-0.000 χ^2/NDF : 441060147697.7/22

Left In: -2.446+/-0.000 χ^2/NDF : 251327313.5/2

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1228962.4/16

Left Out: 0.006+/-0.000 χ^2/NDF :11866.7/4

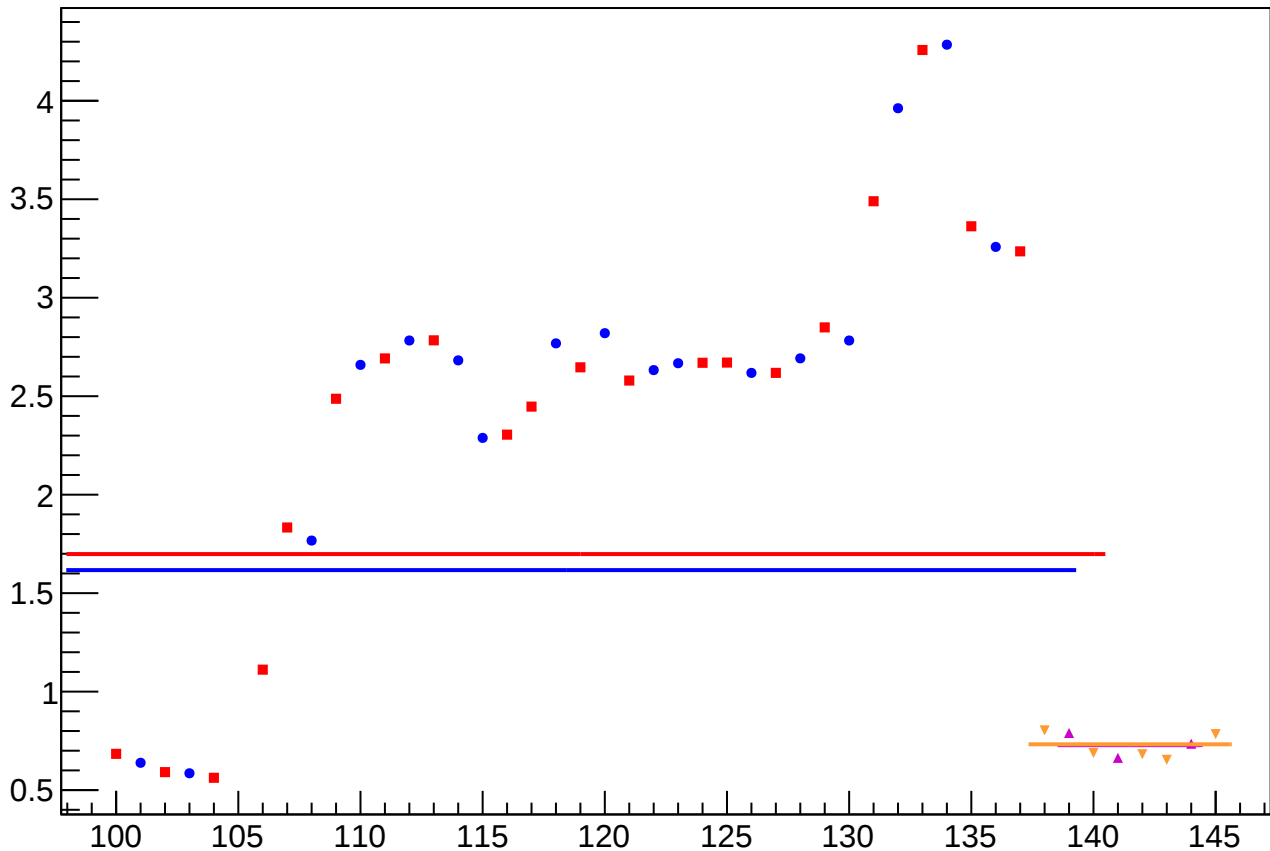
Right Out: 0.006+/-0.000 χ^2/NDF : 1062886.2/19

Left In: 0.007+/-0.000 χ^2/NDF :2616.7/2

0.006+/-0.000 χ^2/NDF : 1249373.2/21

0.006+/-0.000 χ^2/NDF : 1077805.9/22

yield_bpm0l05Y_mean vs Slug



Right In: 1.617 $\pm$ 0.000 χ^2 /NDF: 202886791000.7/16

Left Out: 0.732 $\pm$ 0.000 χ^2 /NDF:287558438.4/4

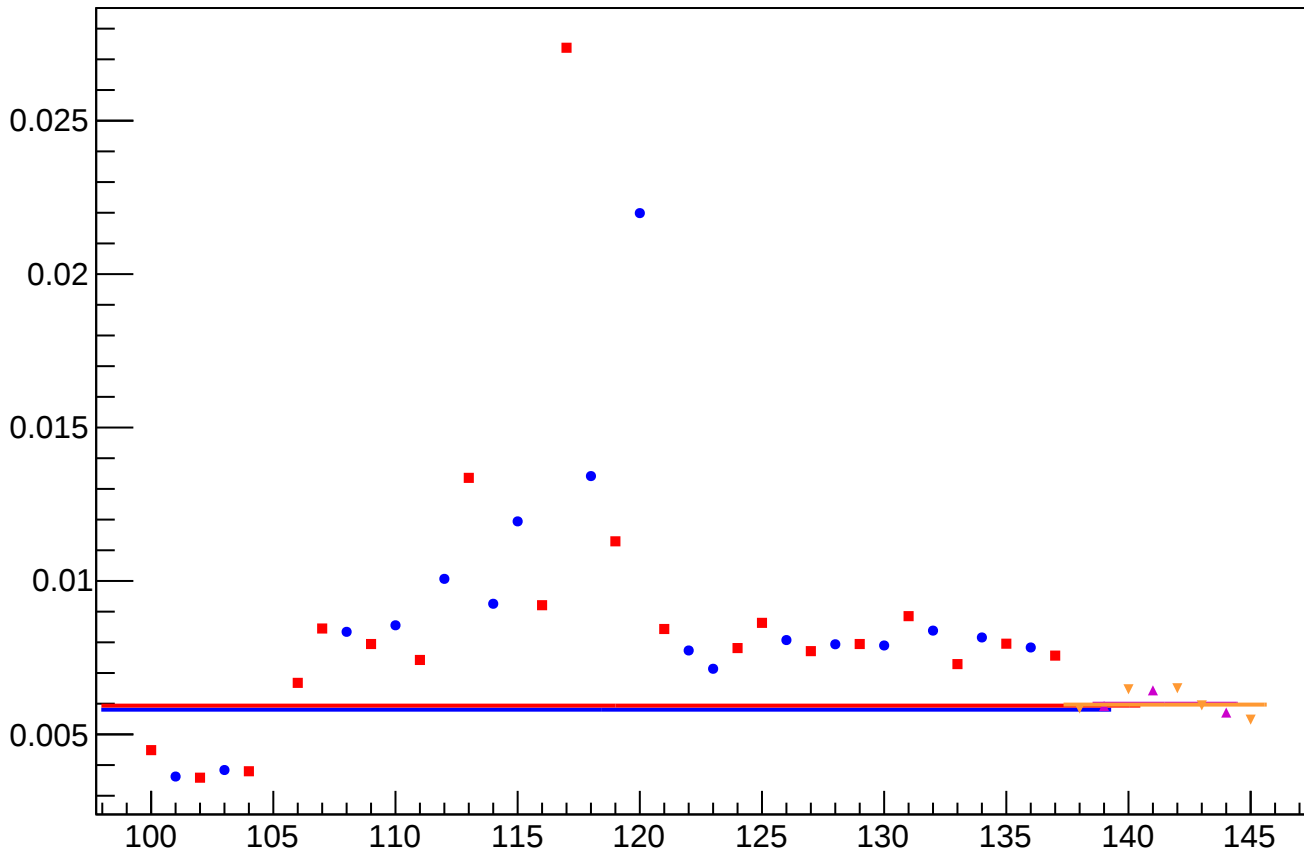
1.305 $\pm$ 0.000 χ^2 /NDF: 242718925383.5/21

Right Out: 1.698 $\pm$ 0.000 χ^2 /NDF: 227436227264.4/19

1.431 $\pm$ 0.000 χ^2 /NDF: 267112880444.1/22

Left In: 0.728 $\pm$ 0.000 χ^2 /NDF:139275586.4/2

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1917989.1/16

Left Out: 0.006+/-0.000 χ^2/NDF :23866.3/4

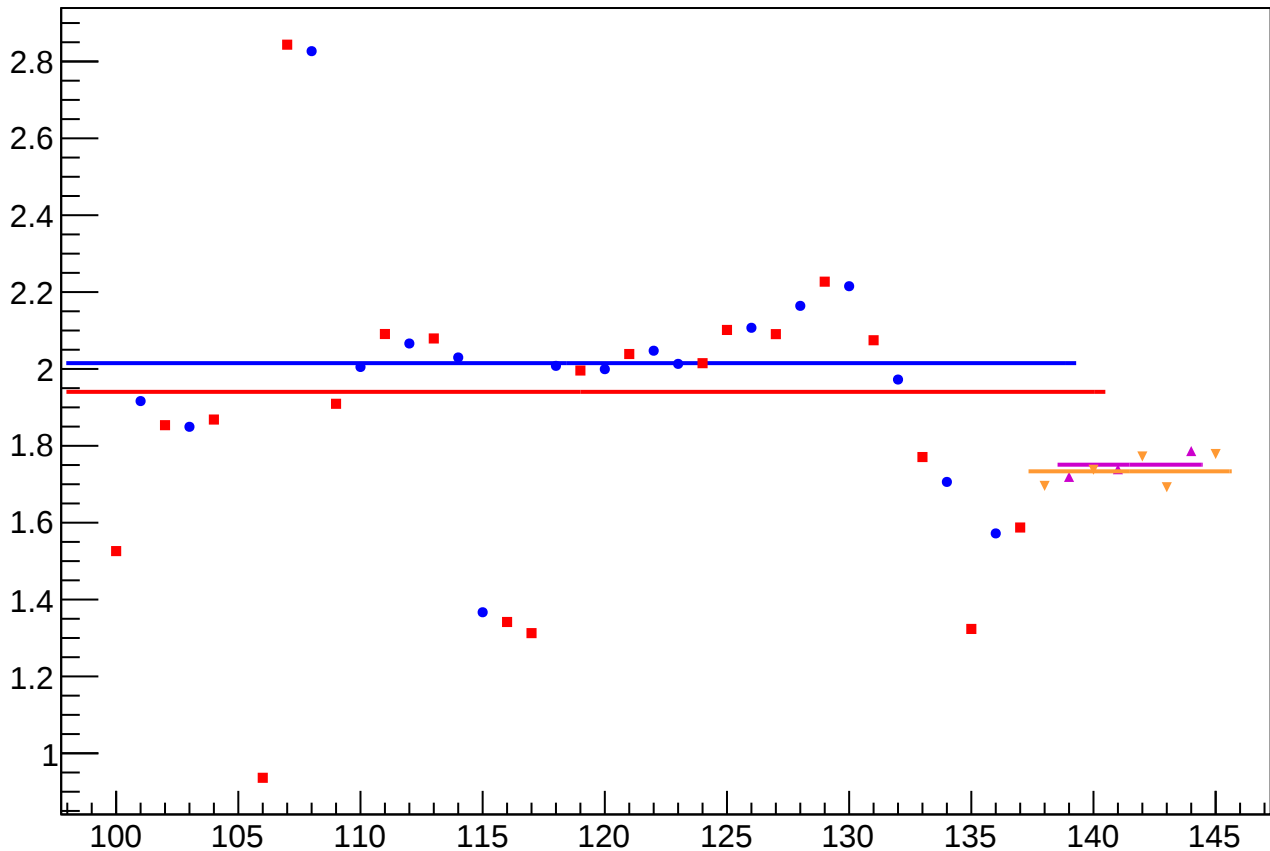
Right Out: 0.006+/-0.000 χ^2/NDF : 1731283.0/19

Left In: 0.006+/-0.000 χ^2/NDF :11037.9/2

0.006+/-0.000 χ^2/NDF : 1944615.2/21

0.006+/-0.000 χ^2/NDF : 1742644.2/22

yield_bpm0l06X_mean vs Slug



Right In: 2.015 ± 0.000 χ^2/NDF : 12228403202.6/16

Left Out: 1.734 ± 0.000 χ^2/NDF : 58370853.9/4

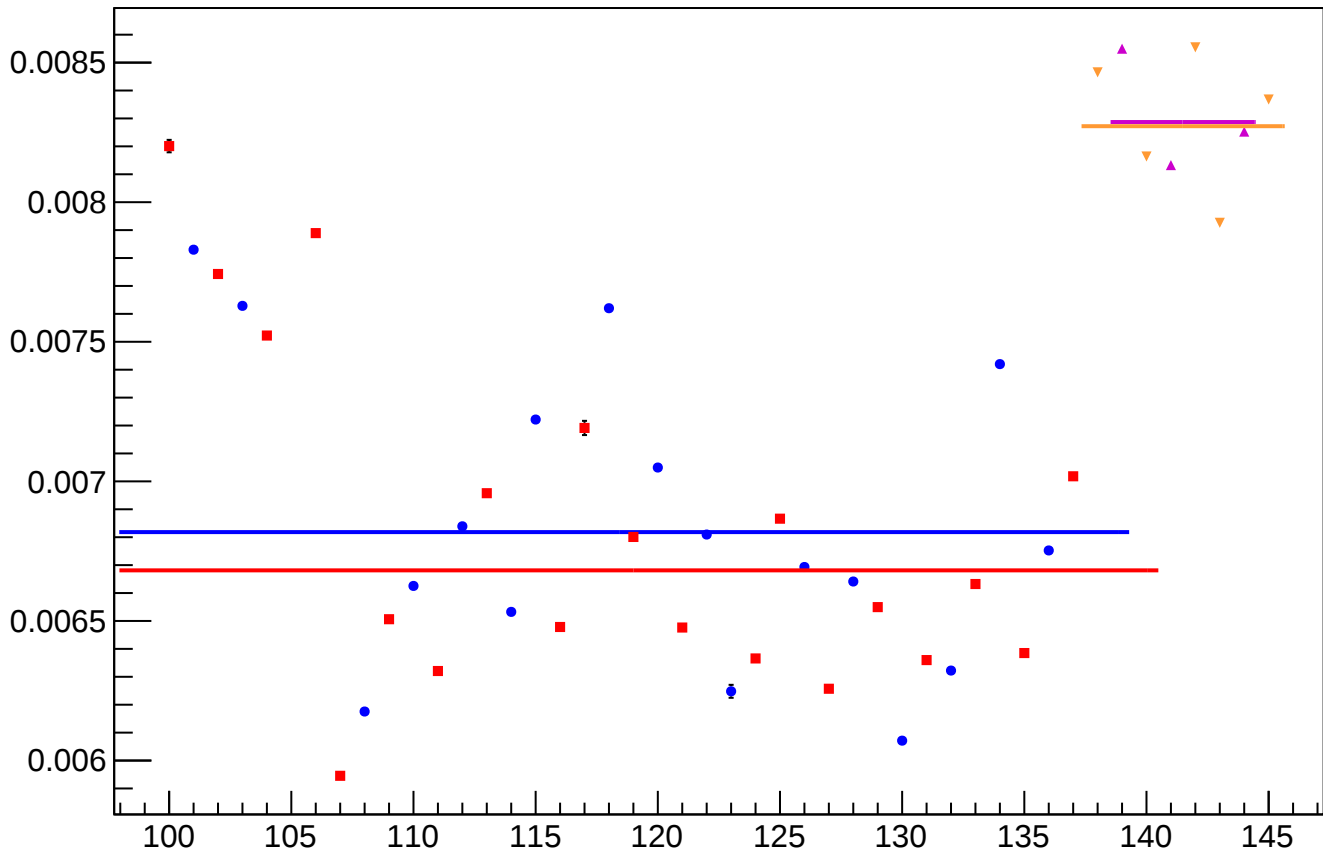
1.945 ± 0.000 χ^2/NDF : 14991652829.6/21

Right Out: 1.940 ± 0.000 χ^2/NDF : 21732099424.5/19

1.907 ± 0.000 χ^2/NDF : 22738780263.3/22

Left In: 1.751 ± 0.000 χ^2/NDF : 25726453.0/2

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 : 4191.9/4

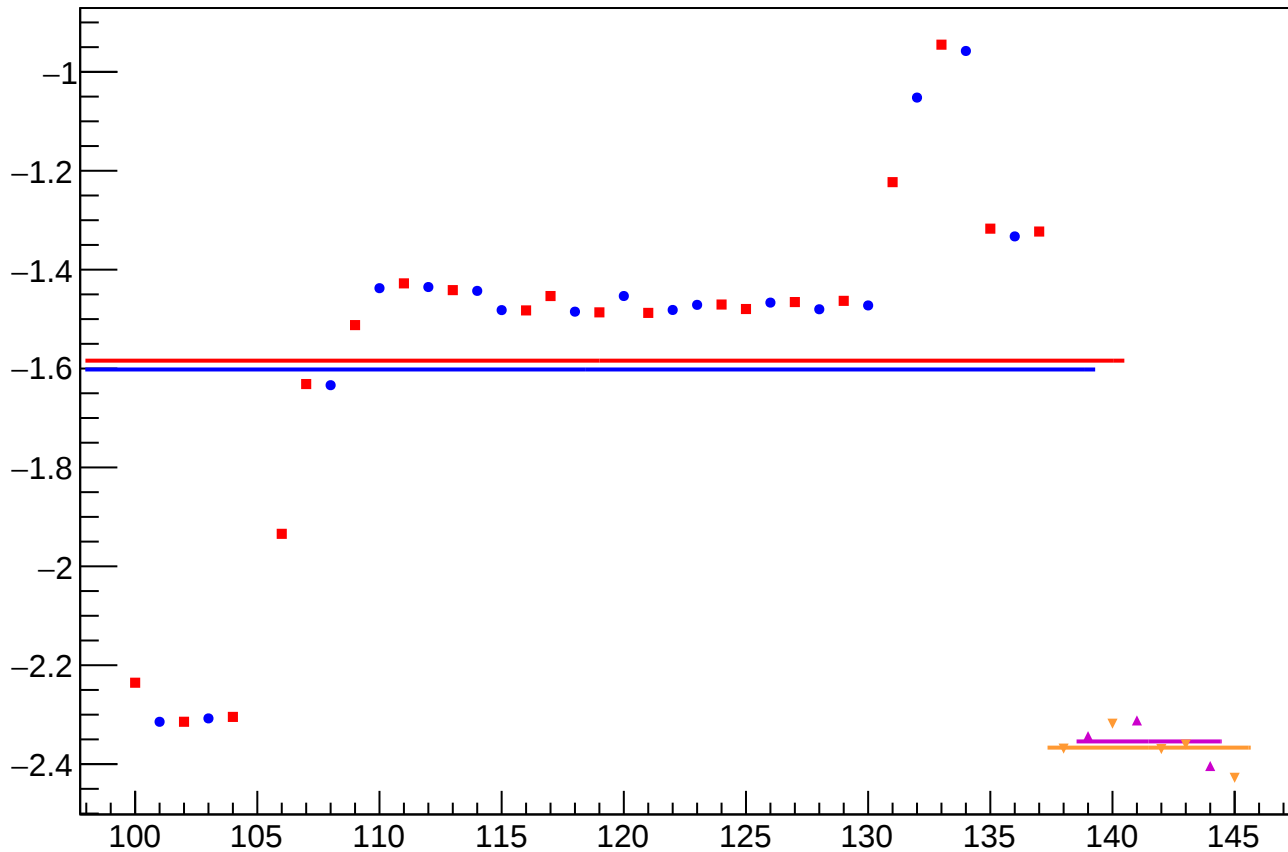
Right Out: 0.007+/-0.000 χ^2/NDF : 76121.2/19

Left In: 0.008+/-0.000 χ^2/NDF : 1838.4/2

0.007+/-0.000 χ^2/NDF : 224340.6/21

0.007+/-0.000 χ^2/NDF : 218807.4/22

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -2.367+/-0.000 χ^2/NDF : 520184731.2/4

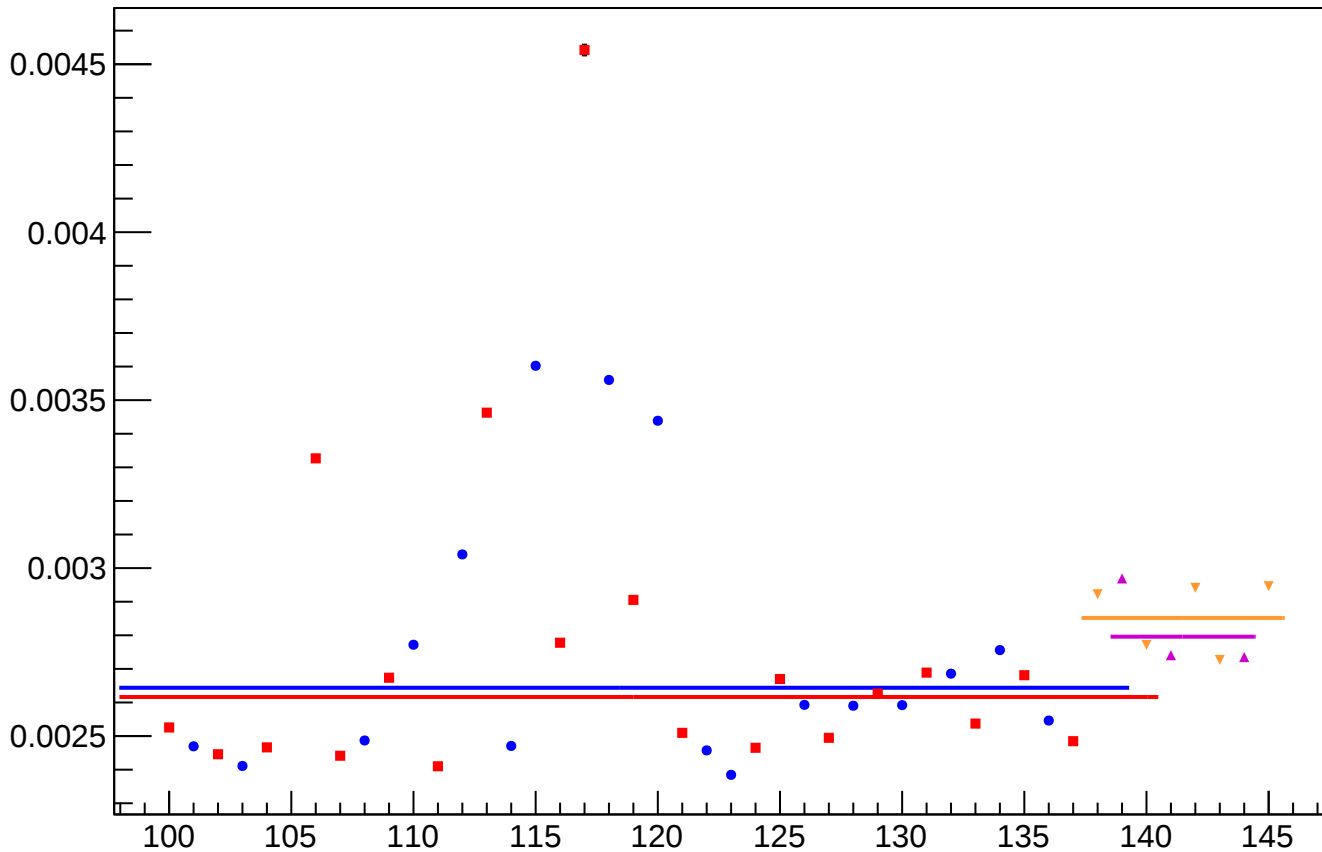
-1.826+/-0.000 χ^2/NDF : 294527623045.8/21

Right Out: -1.584+/-0.000 χ^2/NDF : 143612120137.8/19

-1.758+/-0.000 χ^2/NDF : 275731522515.8/22

Left In: -2.354+/-0.000 χ^2/NDF : 467847772.8/2

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 : 6479.0/4

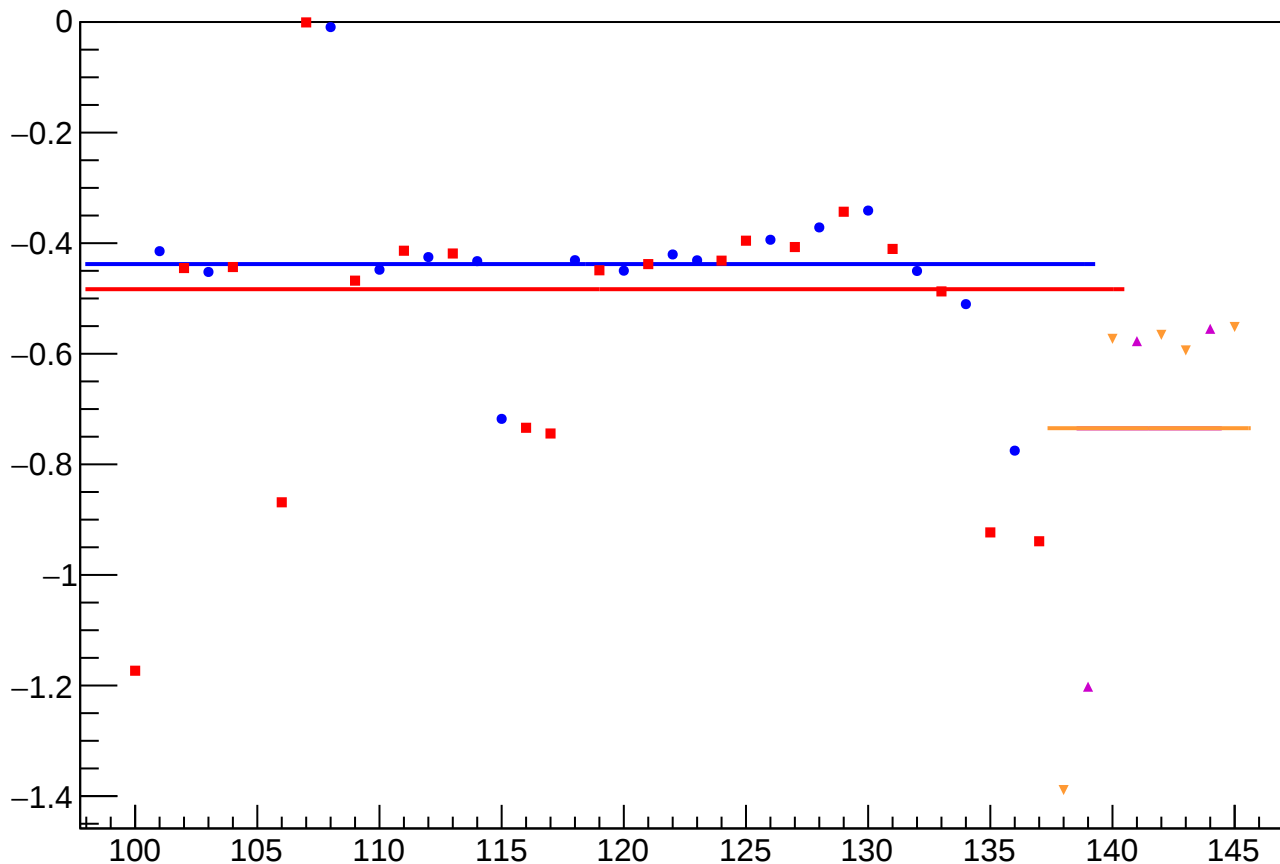
Right Out: 0.003+/-0.000 χ^2/NDF : 119852.1/19

Left In: 0.003+/-0.000 χ^2/NDF : 5769.6/2

0.003+/-0.000 χ^2/NDF : 180594.5/21

0.003+/-0.000 χ^2/NDF : 139931.3/22

yield_bpm0l07X_mean vs Slug



Right In: -0.438+/-0.000 χ^2 /NDF: 1462454117.6/16

Left Out: -0.735+/-0.000 χ^2 /NDF:1751942973.8/4

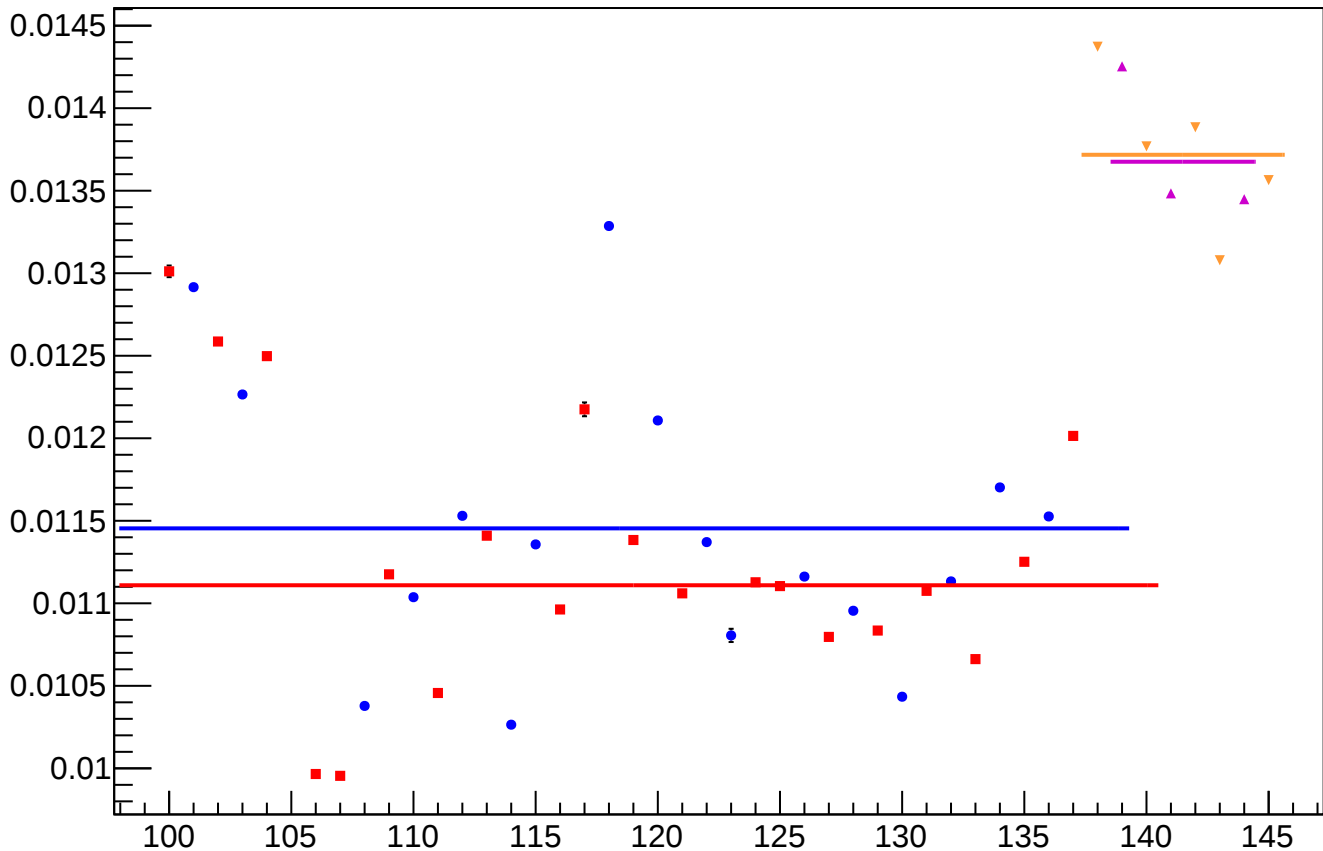
Right Out: -0.483+/-0.000 χ^2 /NDF: 2714164016.2/19

Left In: -0.735+/-0.000 χ^2 /NDF:955848829.7/2

-0.512+/-0.000 χ^2 /NDF: 4293847063.8/21

-0.528+/-0.000 χ^2 /NDF: 4301275913.9/22

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 :5778.9/4

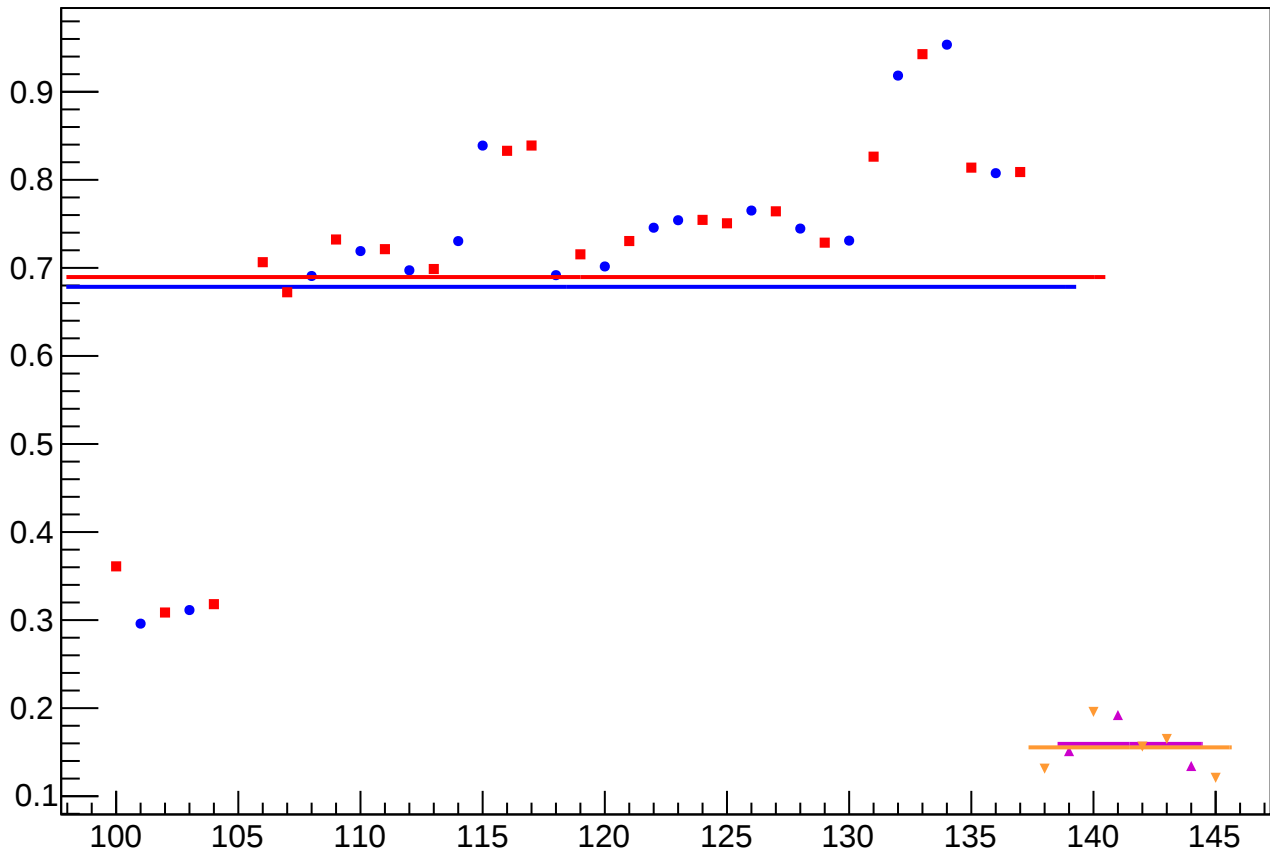
Right Out: 0.011+/-0.000 χ^2/NDF : 56696.9/19

Left In: 0.014+/-0.000 χ^2/NDF :2930.9/2

0.012+/-0.000 χ^2/NDF : 196019.2/21

0.012+/-0.000 χ^2/NDF : 190770.4/22

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 ± 0.000 χ^2/NDF : 38506442638.3/16

Left Out: 0.155 ± 0.000 χ^2/NDF : 599270470.1/4

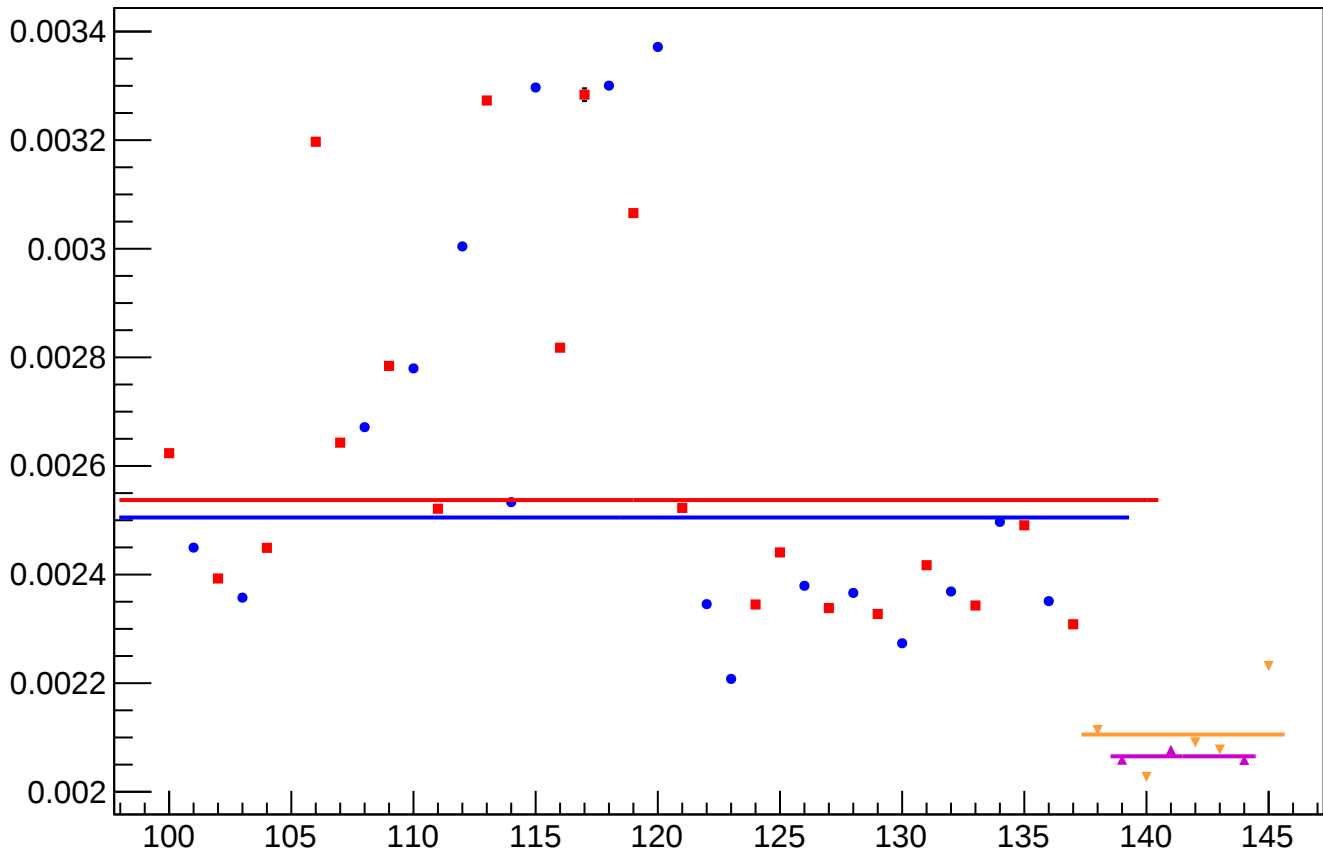
0.458 ± 0.000 χ^2/NDF : 156167900167.4/21

Right Out: 0.690 ± 0.000 χ^2/NDF : 35439496983.3/19

0.506 ± 0.000 χ^2/NDF : 137652538576.1/22

Left In: 0.159 ± 0.000 χ^2/NDF : 345097983.1/2

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 175524.0/16

Left Out: 0.002+/-0.000 χ^2/NDF : 7388.8/4

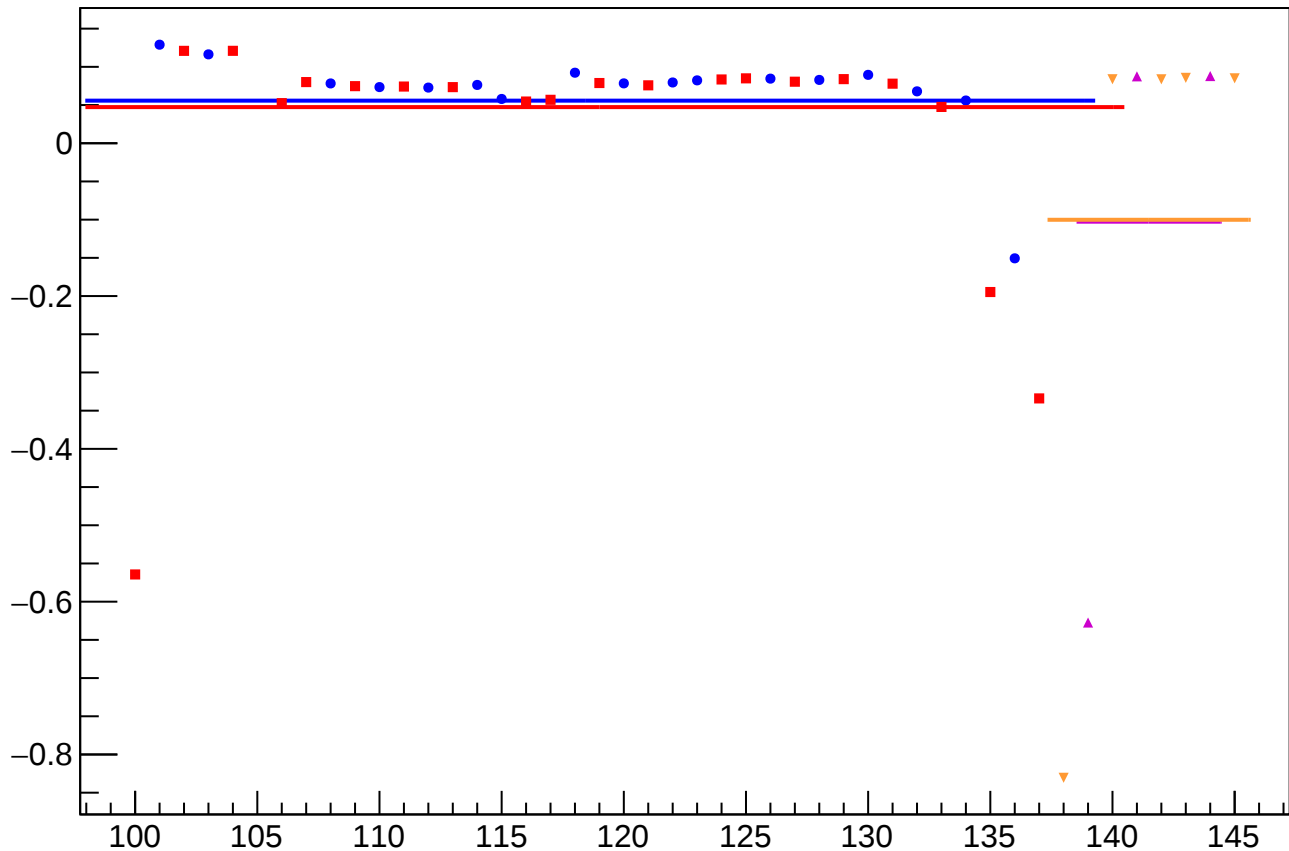
Right Out: 0.003+/-0.000 χ^2/NDF : 135649.7/19

Left In: 0.002+/-0.000 χ^2/NDF : 86.1/2

0.002+/-0.000 χ^2/NDF : 319567.4/21

0.002+/-0.000 χ^2/NDF : 297129.3/22

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.100+/-0.000 χ^2/NDF : 2703930694.2/4

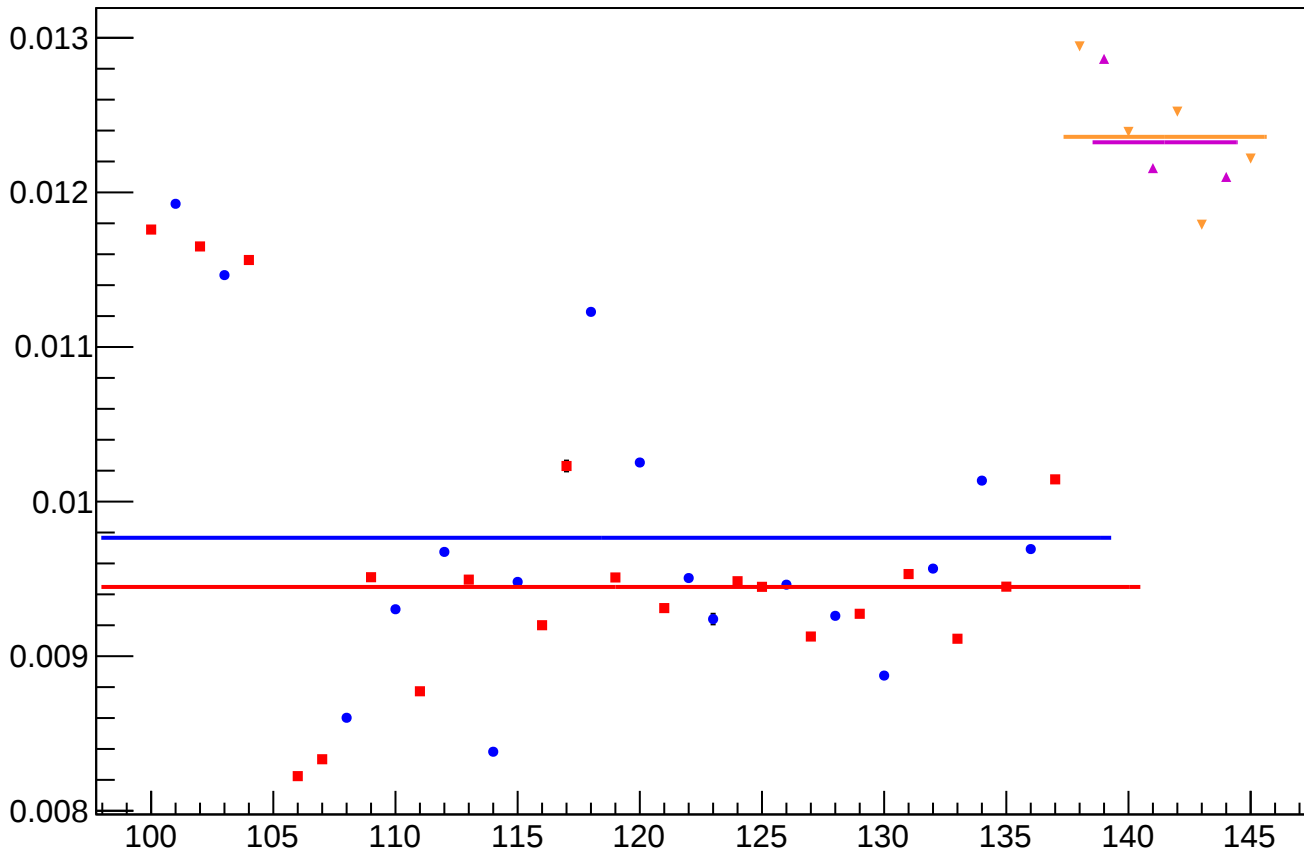
Right Out: 0.047+/-0.000 χ^2/NDF : 819626031.7/19

Left In: -0.103+/-0.000 χ^2/NDF : 1486701366.3/2

0.020+/-0.000 χ^2/NDF : 3502591903.8/21

0.023+/-0.000 χ^2/NDF : 2587270854.8/22

yield_bpm0l08X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 116638.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:5675.1/4

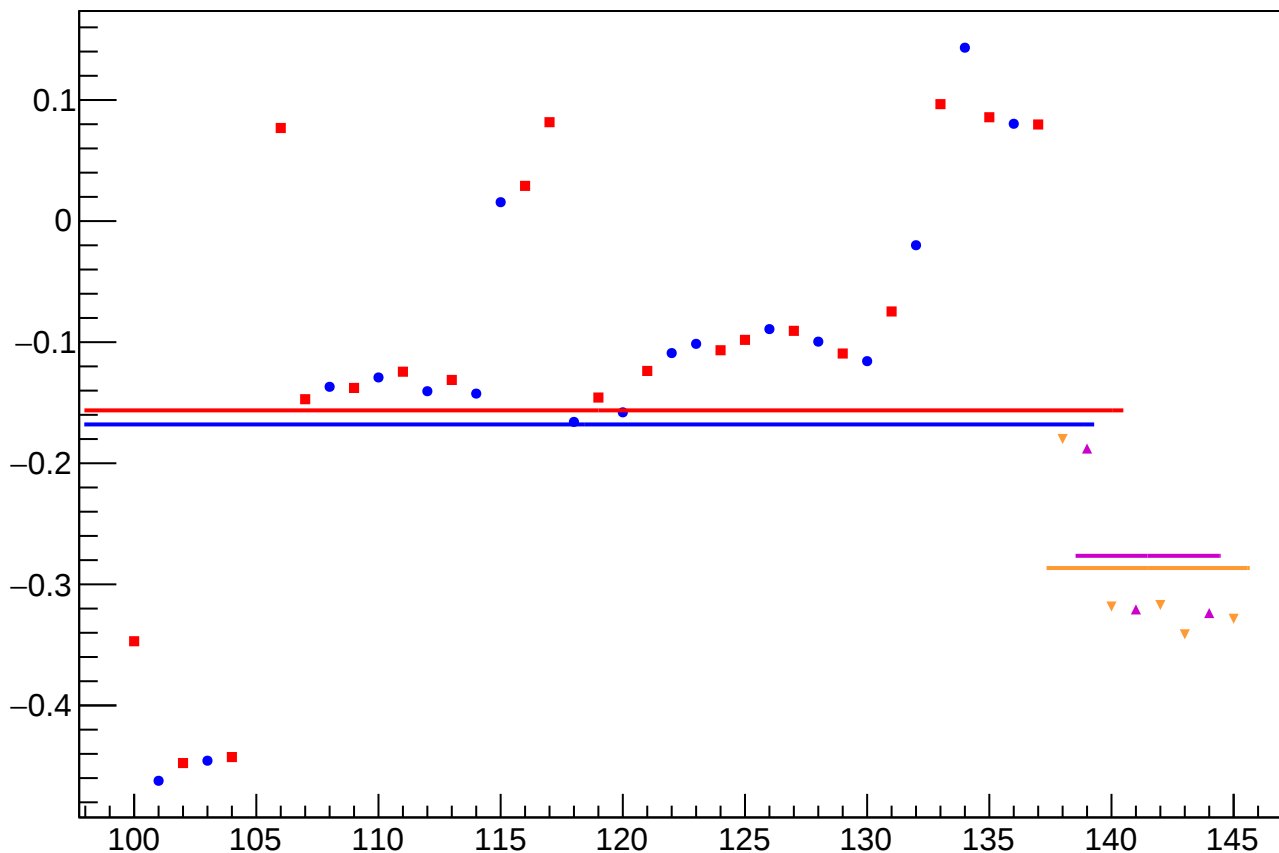
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 111197.0/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3163.5/2

0.010 $\pm$ 0.000 χ^2 /NDF: 330173.5/21

0.010 $\pm$ 0.000 χ^2 /NDF: 321054.1/22

yield_bpm0l08Y_mean vs Slug



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.287+/-0.000 χ^2/NDF : 1473637065.7/4

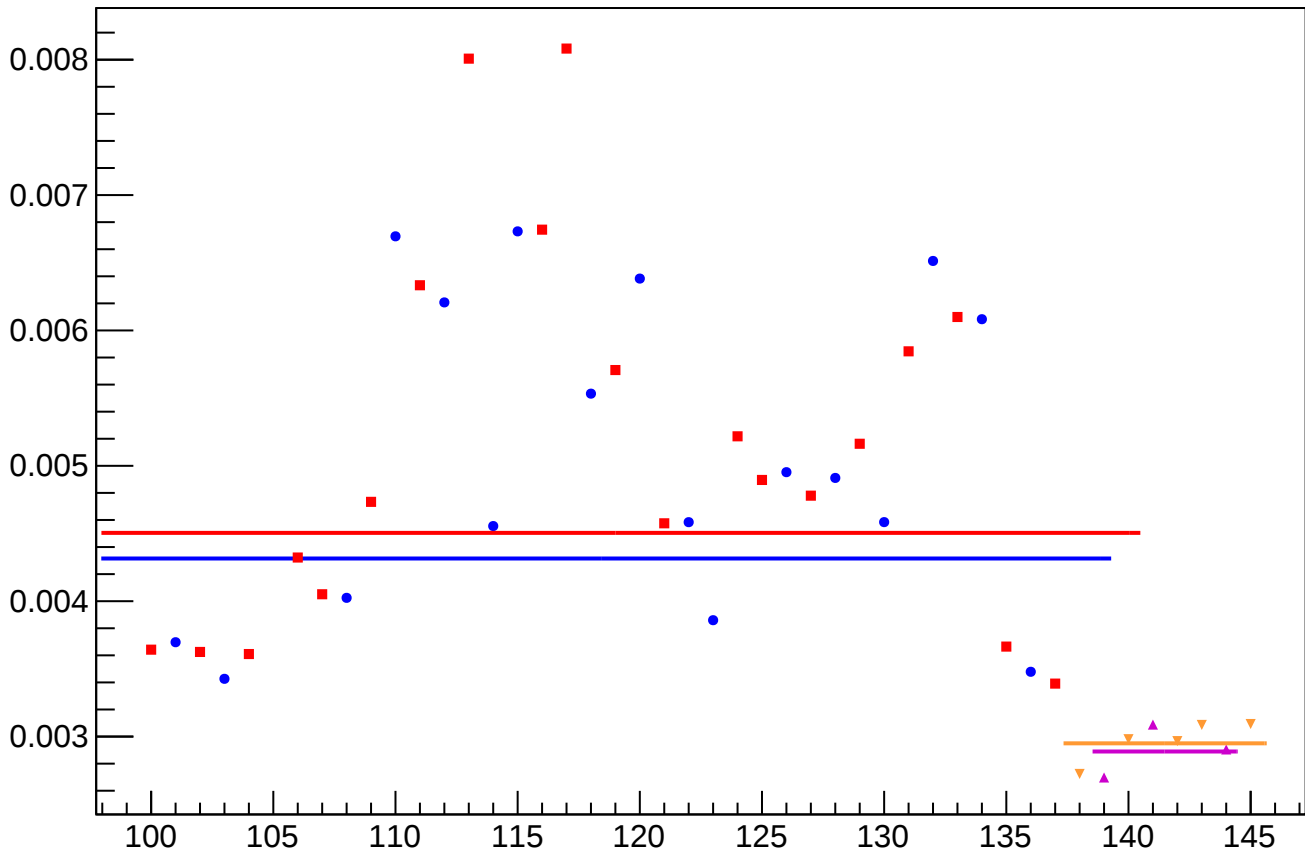
Right Out: -0.156+/-0.000 χ^2/NDF : 11061140252.3/19

Left In: -0.276+/-0.000 χ^2/NDF : 1084178167.7/2

-0.230+/-0.000 χ^2/NDF : 16105801166.1/21

-0.212+/-0.000 χ^2/NDF : 14206784007.3/22

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 :14738.7/4

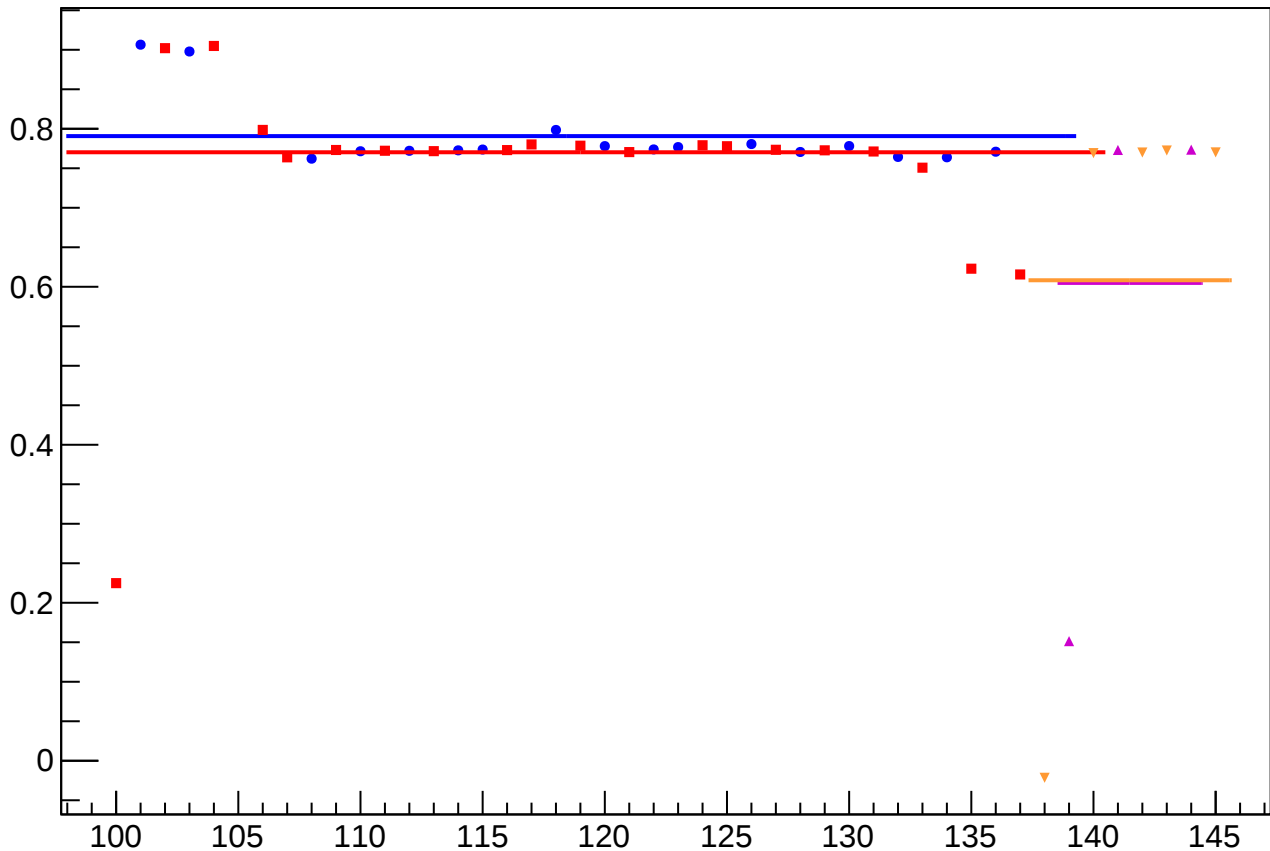
Right Out: 0.005+/-0.000 χ^2/NDF : 665152.6/19

Left In: 0.003+/-0.000 χ^2/NDF :13109.1/2

0.004+/-0.000 χ^2/NDF : 1244352.0/21

0.004+/-0.000 χ^2/NDF : 1423727.4/22

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106705767.1/16

Left Out: 0.608 $\pm$ 0.000 χ^2 /NDF: 2200739548.1/4

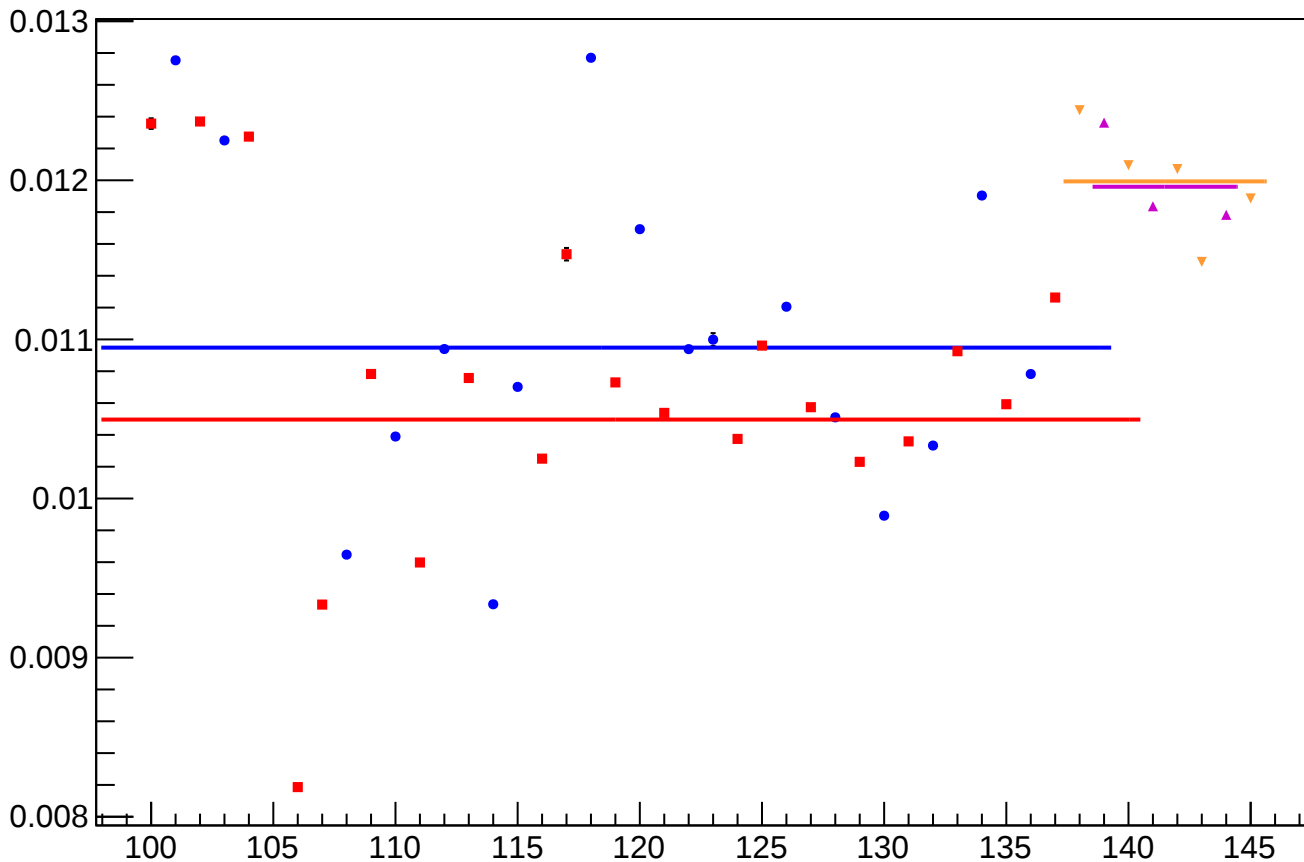
Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375473971.0/19

Left In: 0.605 $\pm$ 0.000 χ^2 /NDF: 1216737358.8/2

0.739 $\pm$ 0.000 χ^2 /NDF: 2819668002.0/21

0.737 $\pm$ 0.000 χ^2 /NDF: 1939860956.6/22

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:4192.0/4

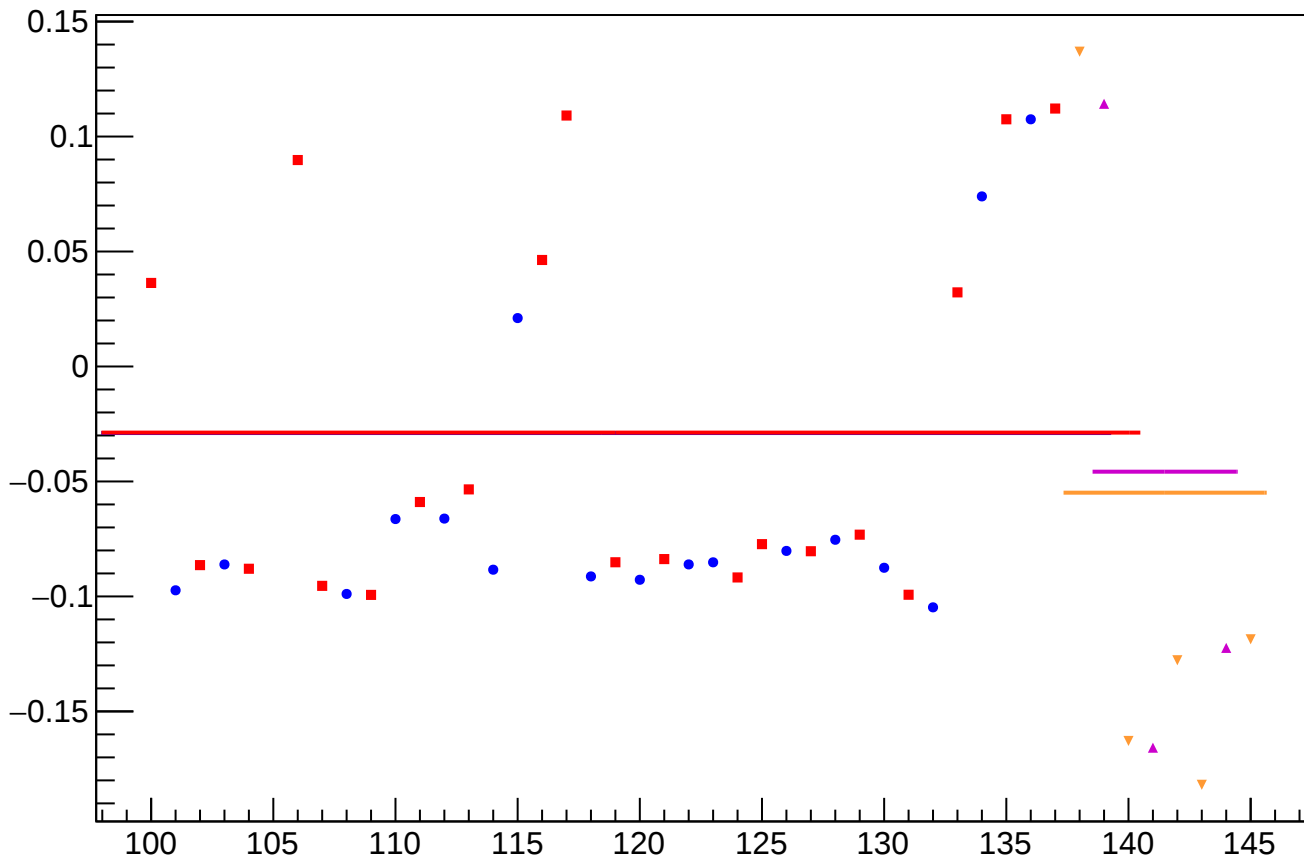
Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 120120.6/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:1939.3/2

0.011 $\pm$ 0.000 χ^2 /NDF: 136324.7/21

0.011 $\pm$ 0.000 χ^2 /NDF: 176490.5/22

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.055+/-0.000 χ^2/NDF : 4543983279.8/4

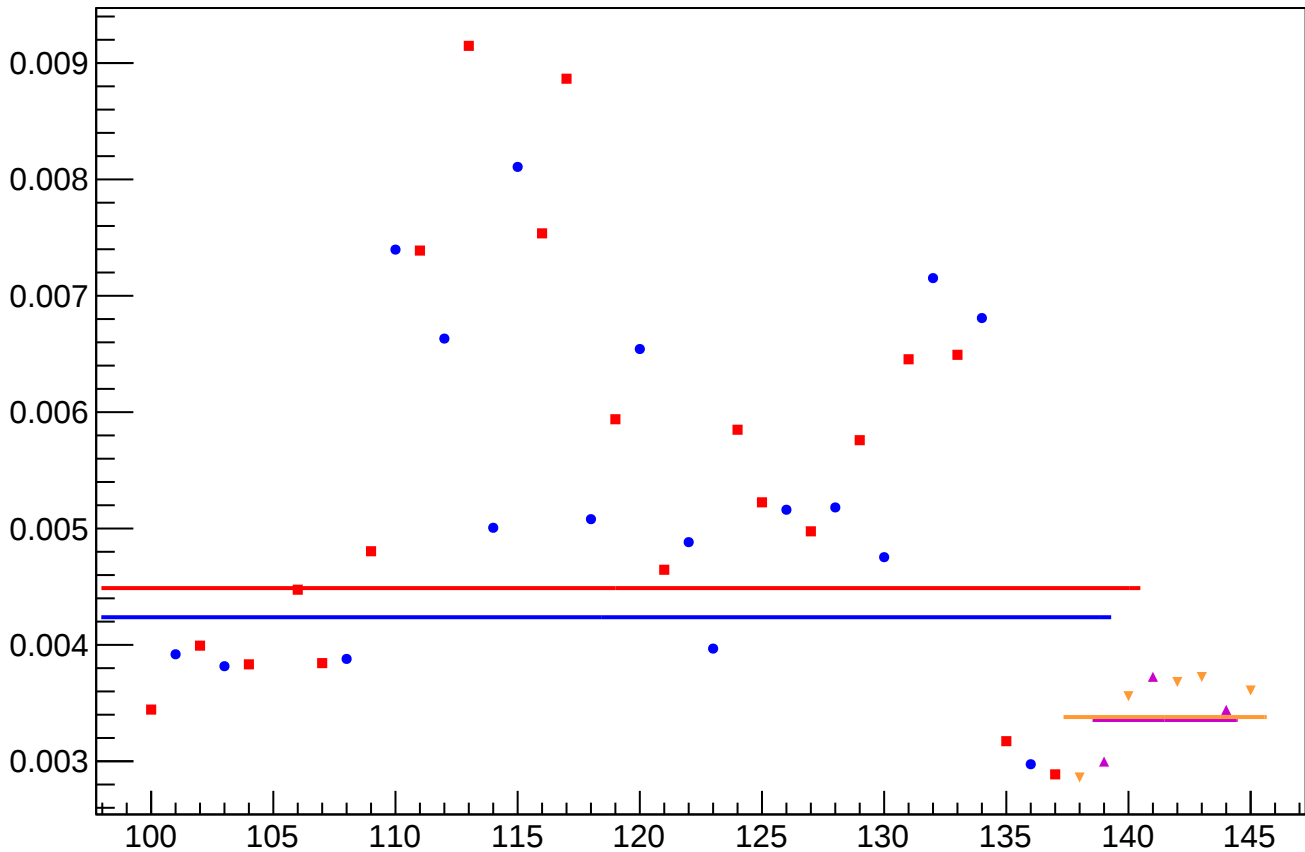
Right Out: -0.029+/-0.000 χ^2/NDF : 2122918772.1/19

Left In: -0.046+/-0.000 χ^2/NDF : 2982265407.5/2

-0.041+/-0.000 χ^2/NDF : 7082320118.6/21

-0.035+/-0.000 χ^2/NDF : 5138450898.4/22

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 :66453.4/4

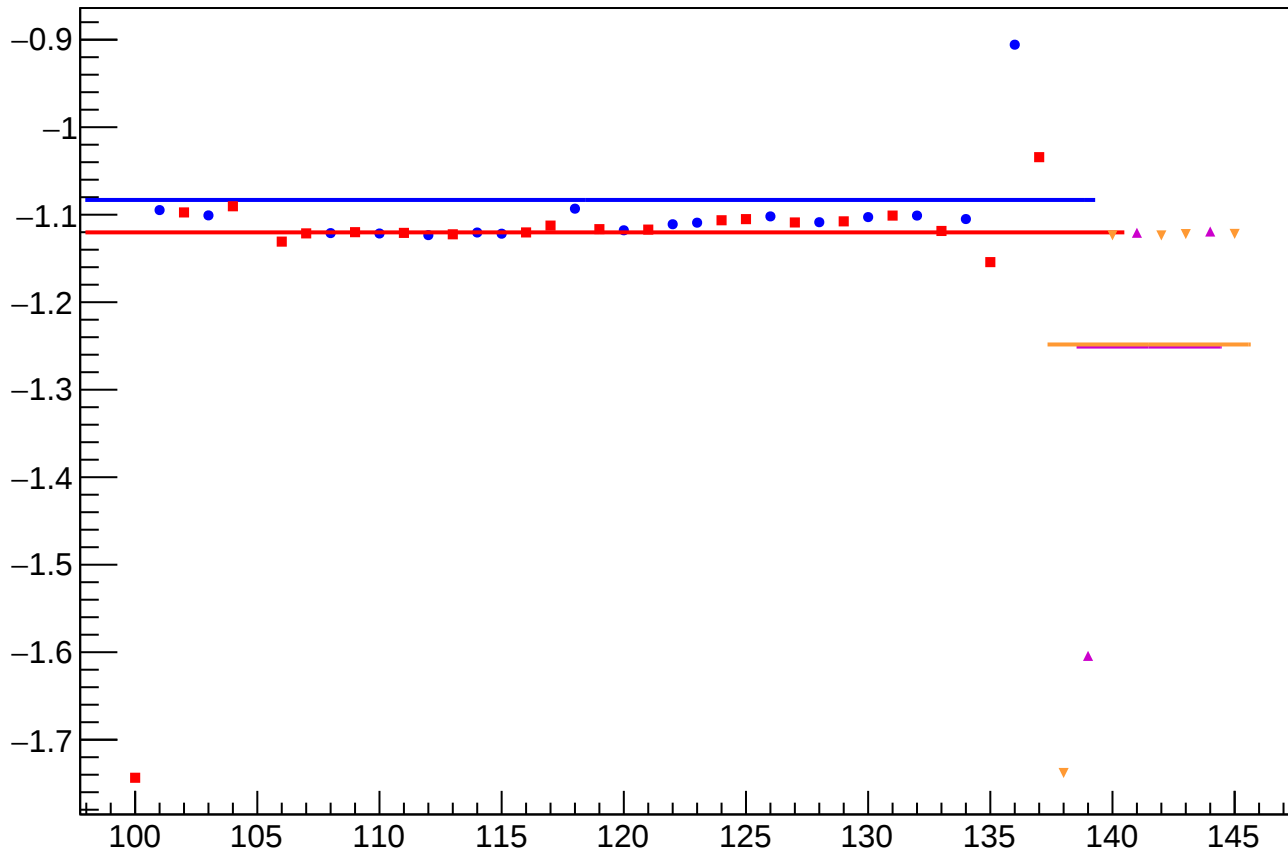
Right Out: 0.004+/-0.000 χ^2/NDF : 1003473.4/19

Left In: 0.003+/-0.000 χ^2/NDF :33944.9/2

0.004+/-0.000 χ^2/NDF : 1150088.3/21

0.004+/-0.000 χ^2/NDF : 1333233.8/22

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2/NDF : 202920901.6/16

Left Out: -1.248+/-0.000 χ^2/NDF : 1661123329.7/4

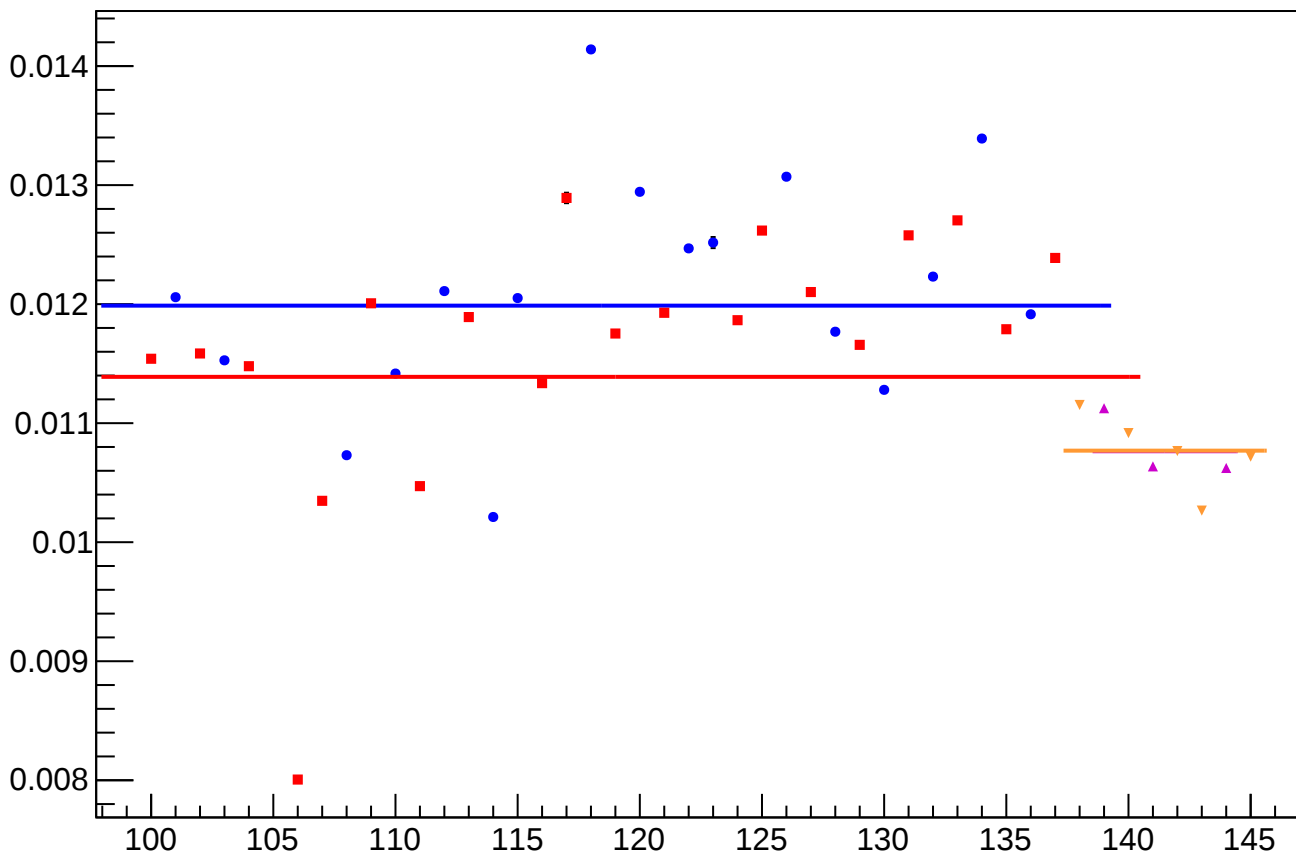
Right Out: -1.120+/-0.000 χ^2/NDF : 220586820.0/19

Left In: -1.251+/-0.000 χ^2/NDF : 914989343.8/2

-1.145+/-0.000 χ^2/NDF : 2323790515.0/21

-1.156+/-0.000 χ^2/NDF : 1381216089.8/22

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 : 4652.9/4

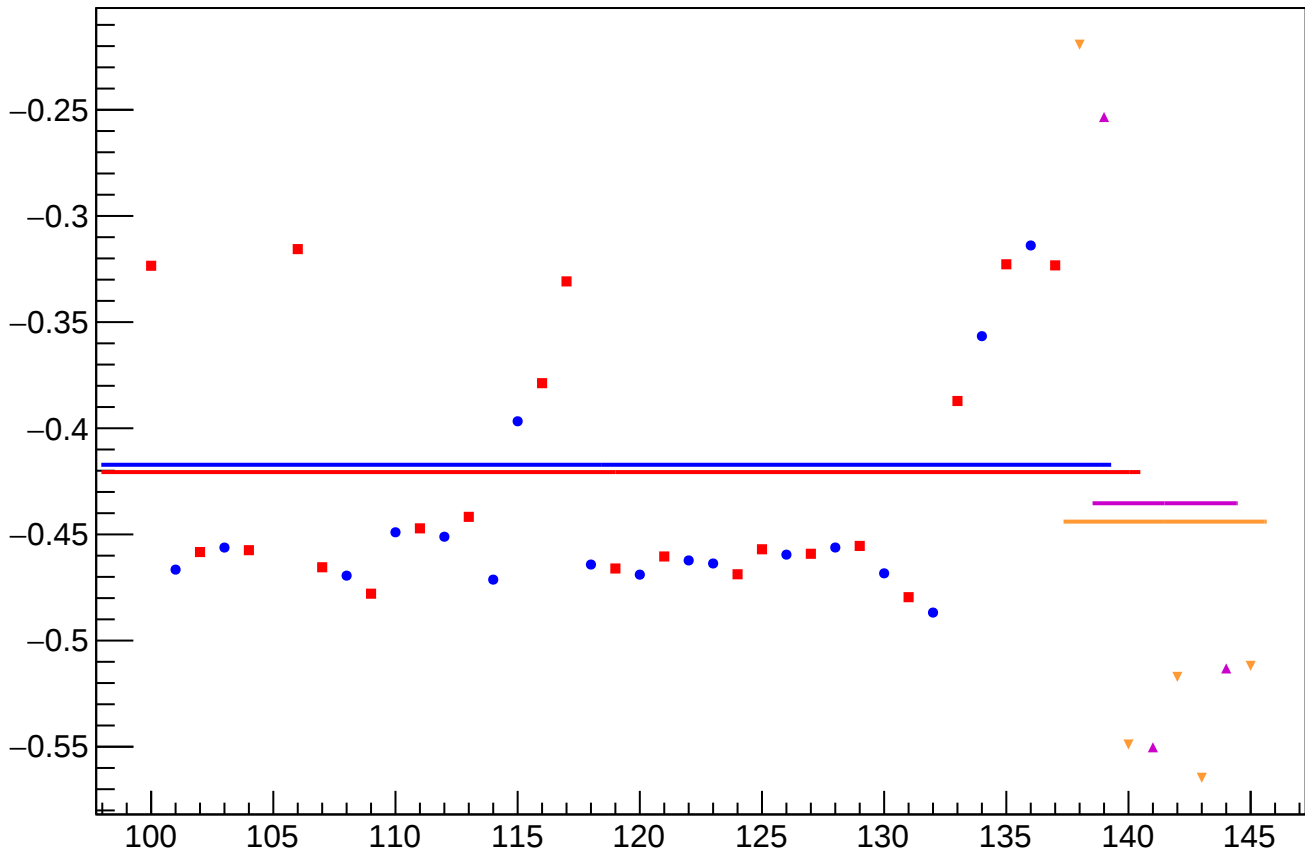
Right Out: 0.011+/-0.000 χ^2/NDF : 155700.3/19

Left In: 0.011+/-0.000 χ^2/NDF : 1915.2/2

0.012+/-0.000 χ^2/NDF : 115076.8/21

0.011+/-0.000 χ^2/NDF : 168881.4/22

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.444+/-0.000 χ^2/NDF : 4375193080.7/4

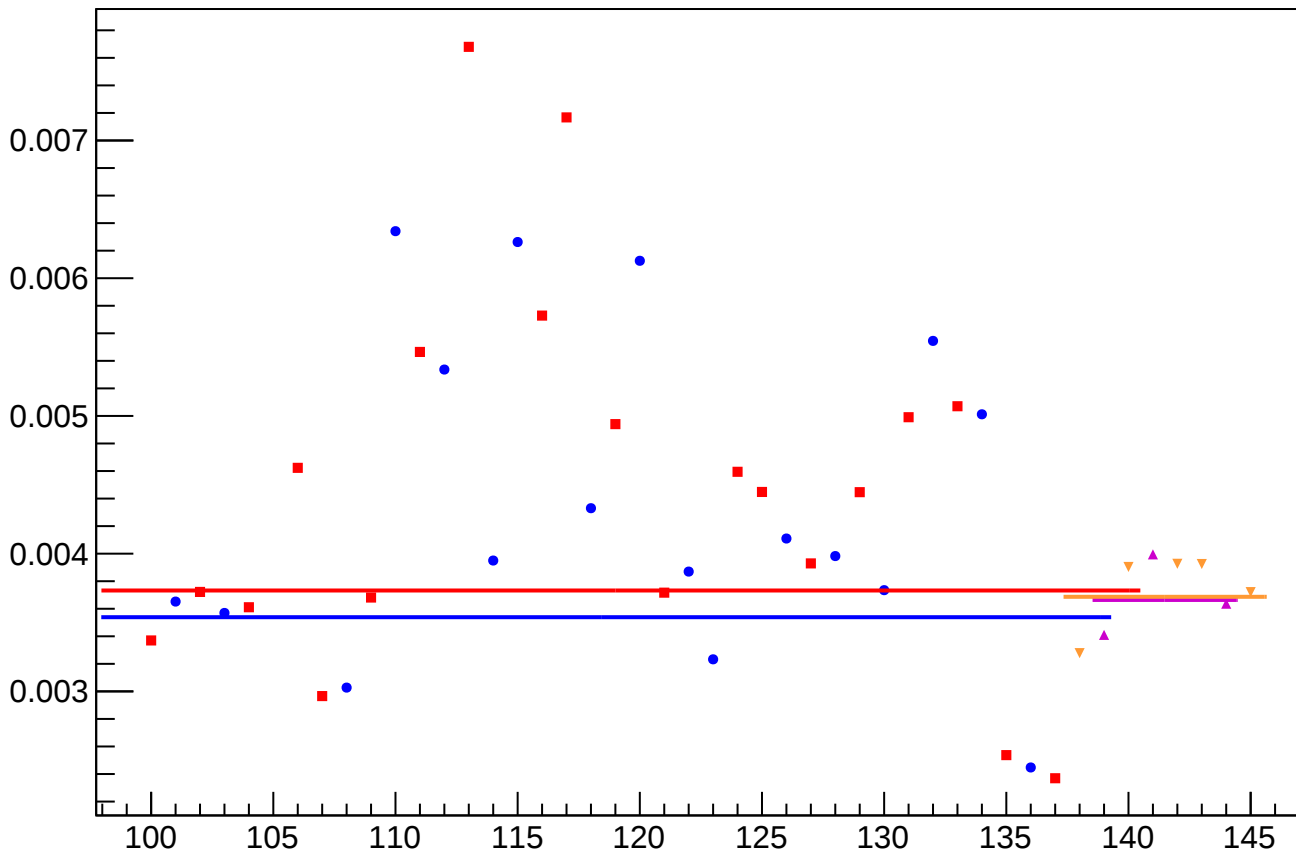
-0.426+/-0.000 χ^2/NDF : 6515886445.9/21

Right Out: -0.421+/-0.000 χ^2/NDF : 1652792044.5/19

-0.425+/-0.000 χ^2/NDF : 4443745992.0/22

Left In: -0.435+/-0.000 χ^2/NDF : 2766014417.5/2

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 ± 0.000 χ^2/NDF : 836154.0/16

Left Out: 0.004 ± 0.000 χ^2/NDF : 31083.8/4

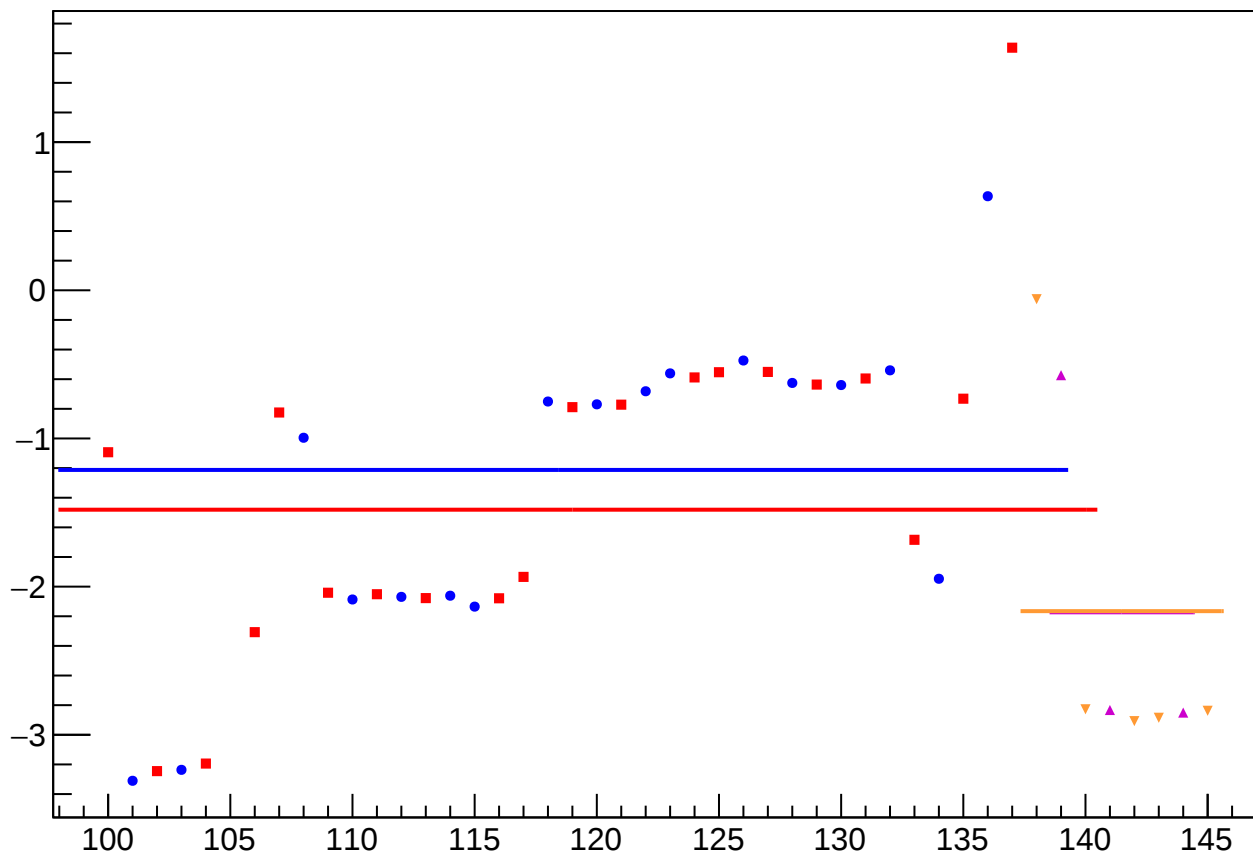
Right Out: 0.004 ± 0.000 χ^2/NDF : 916963.6/19

Left In: 0.004 ± 0.000 χ^2/NDF : 17246.1/2

0.004 ± 0.000 χ^2/NDF : 873458.1/21

0.004 ± 0.000 χ^2/NDF : 935300.7/22

yield_bpm0r03X_mean vs Slug



Right In: -1.212+/-0.000 χ^2/NDF : 1992853443.9/16

Left Out: -2.165+/-0.000 χ^2/NDF : 836846636.3/4

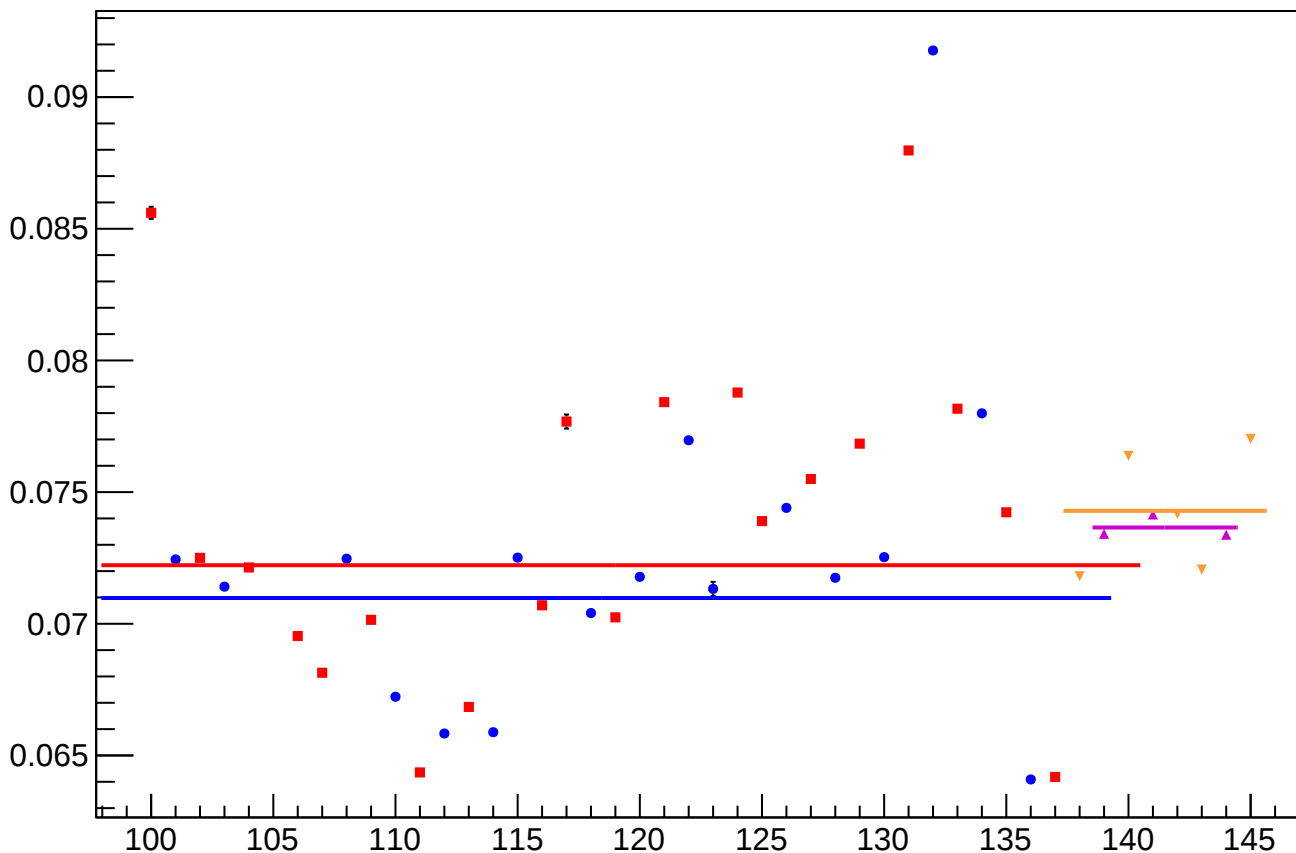
Right Out: -1.481+/-0.000 χ^2/NDF : 1579722113.8/19

Left In: -2.173+/-0.000 χ^2/NDF : 456832960.1/2

-1.503+/-0.000 χ^2/NDF : 3191422346.7/21

-1.648+/-0.000 χ^2/NDF : 2191964146.5/22

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 : 5763.6/4

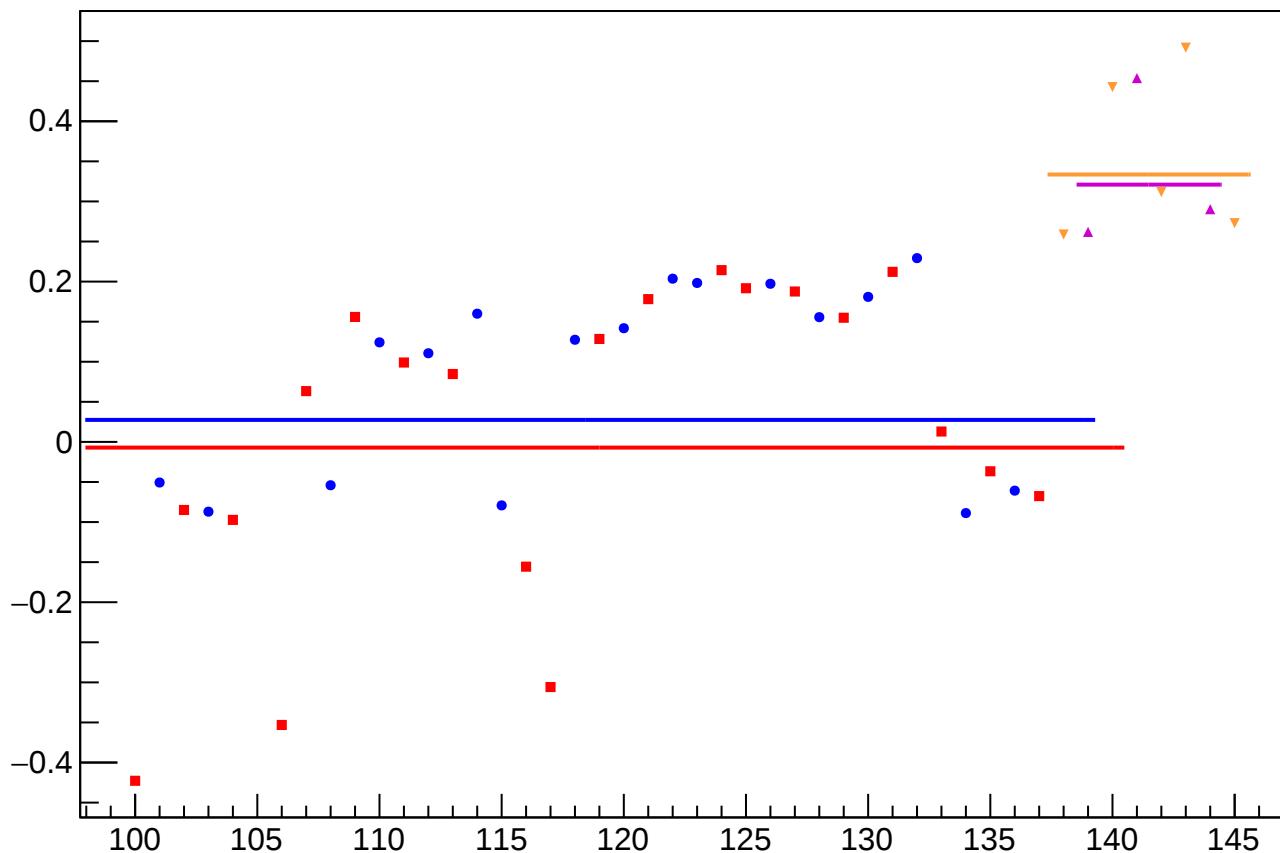
Right Out: 0.072+/-0.000 χ^2/NDF : 73650.9/19

Left In: 0.074+/-0.000 χ^2/NDF : 110.0/2

0.072+/-0.000 χ^2/NDF : 92077.0/21

0.073+/-0.000 χ^2/NDF : 75090.1/22

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562337631.4/16

Left Out: 0.334+/-0.000 χ^2/NDF : 374699130.3/4

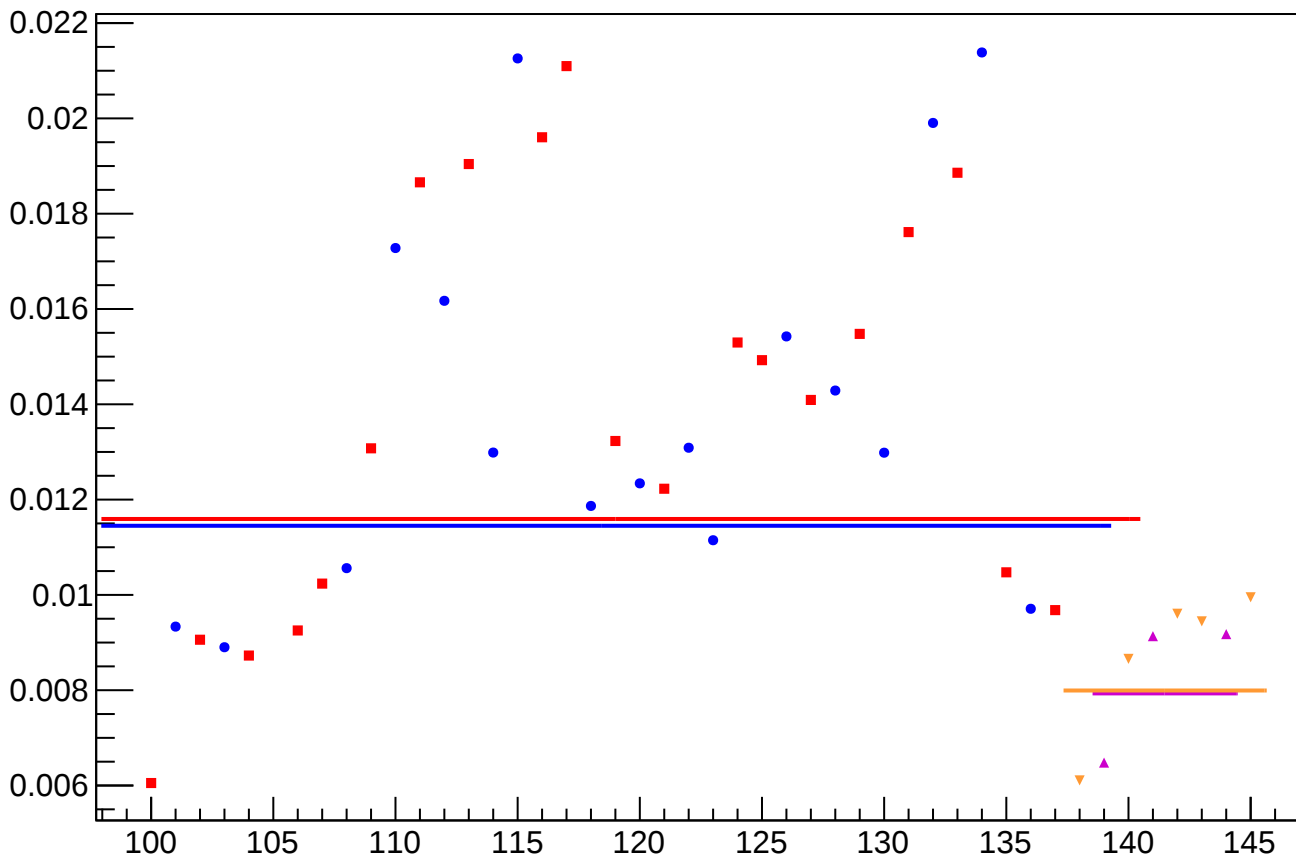
Right Out: -0.007+/-0.000 χ^2/NDF : 1207003891.2/19

Left In: 0.321+/-0.000 χ^2/NDF : 219074770.1/2

0.180+/-0.000 χ^2/NDF : 2984939551.1/21

0.134+/-0.000 χ^2/NDF : 3476485582.8/22

yield_bpm0r03Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 679628.0/16

Left Out: 0.008+/-0.000 χ^2/NDF : 234048.0/4

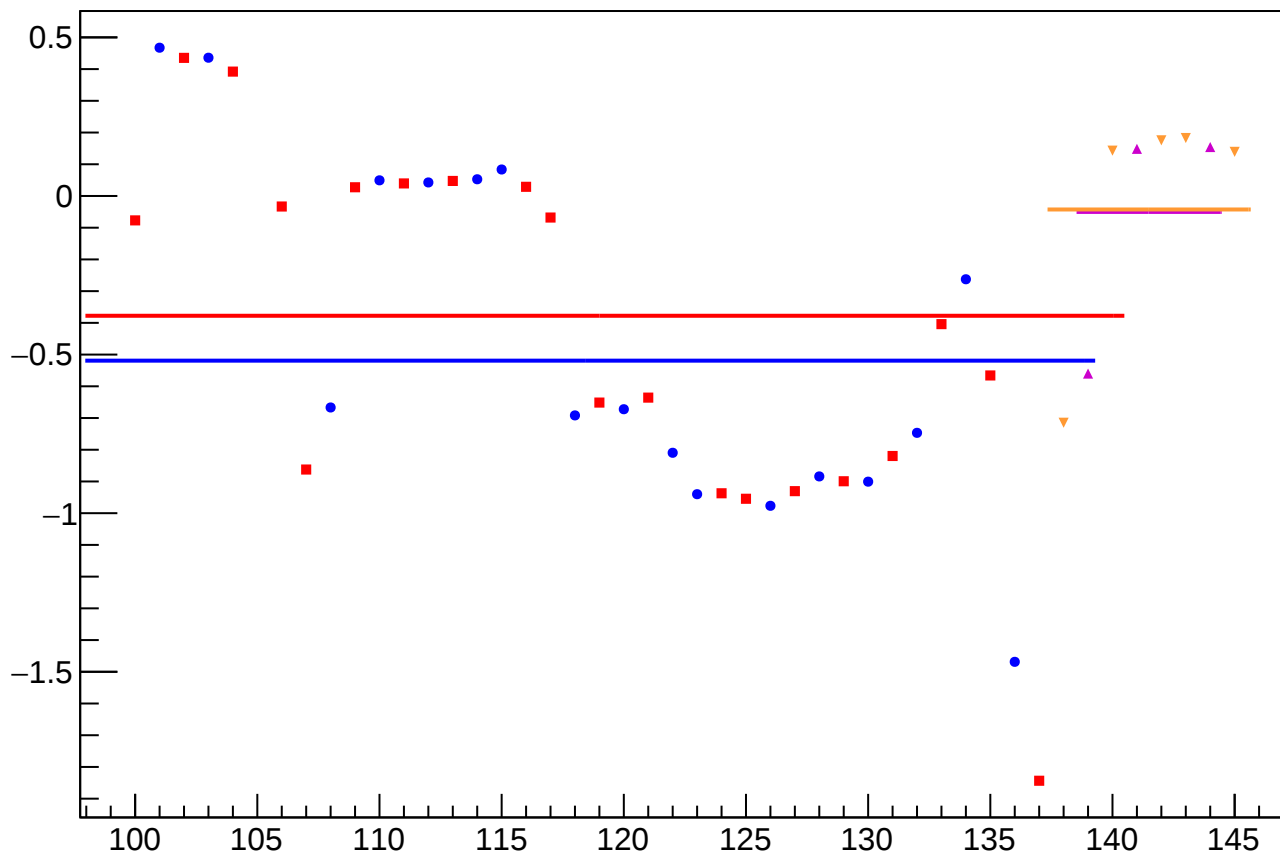
Right Out: 0.012+/-0.000 χ^2/NDF : 1012799.2/19

Left In: 0.008+/-0.000 χ^2/NDF : 118591.0/2

0.010+/-0.000 χ^2/NDF : 1435995.1/21

0.010+/-0.000 χ^2/NDF : 1641887.2/22

yield_bpm0r05X_mean vs Slug



Right In: -0.519 ± 0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.043 ± 0.000 χ^2/NDF : 60624335.3/4

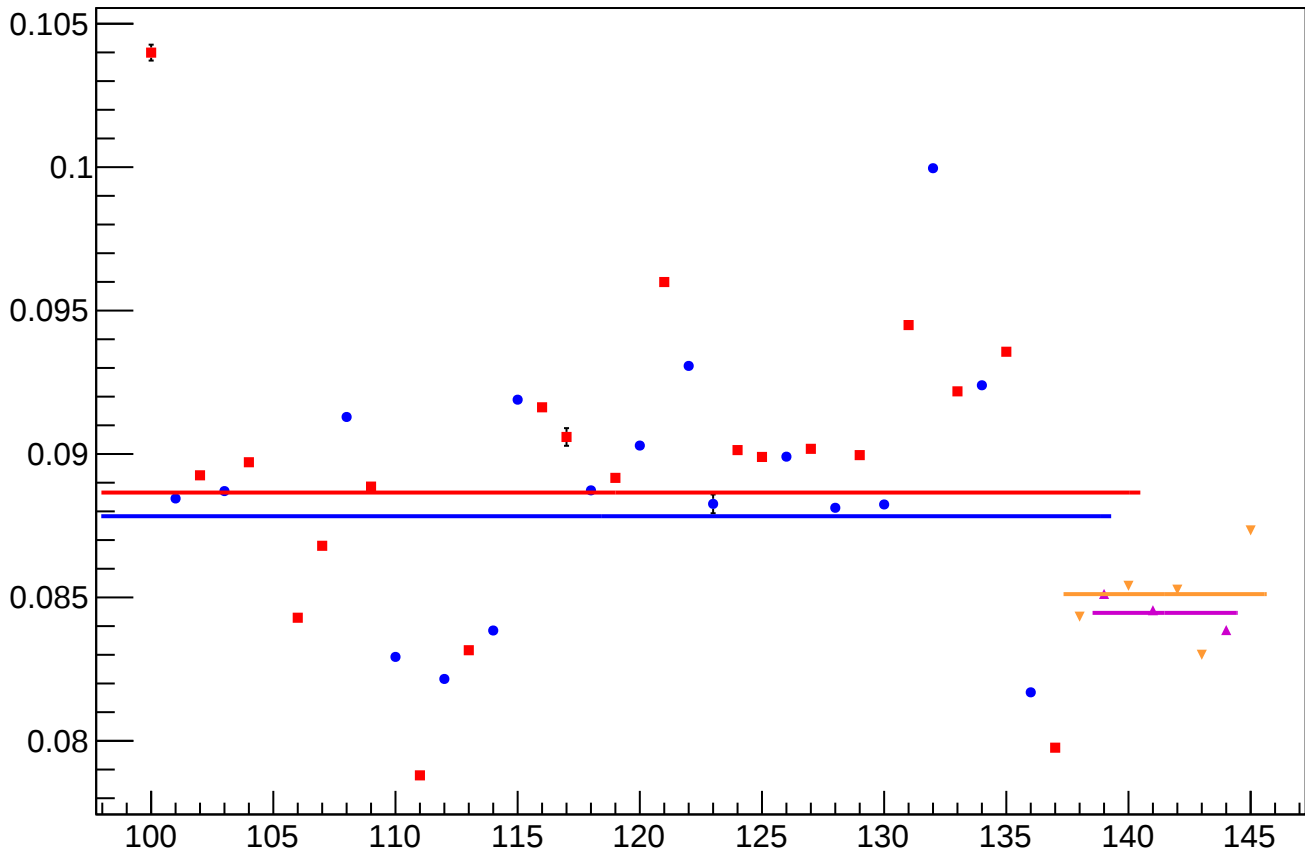
Right Out: -0.378 ± 0.000 χ^2/NDF : 269130827.6/19

Left In: -0.050 ± 0.000 χ^2/NDF : 34029548.3/2

-0.356 ± 0.000 χ^2/NDF : 467374915.6/21

-0.290 ± 0.000 χ^2/NDF : 329158187.4/22

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 : 1874.4/4

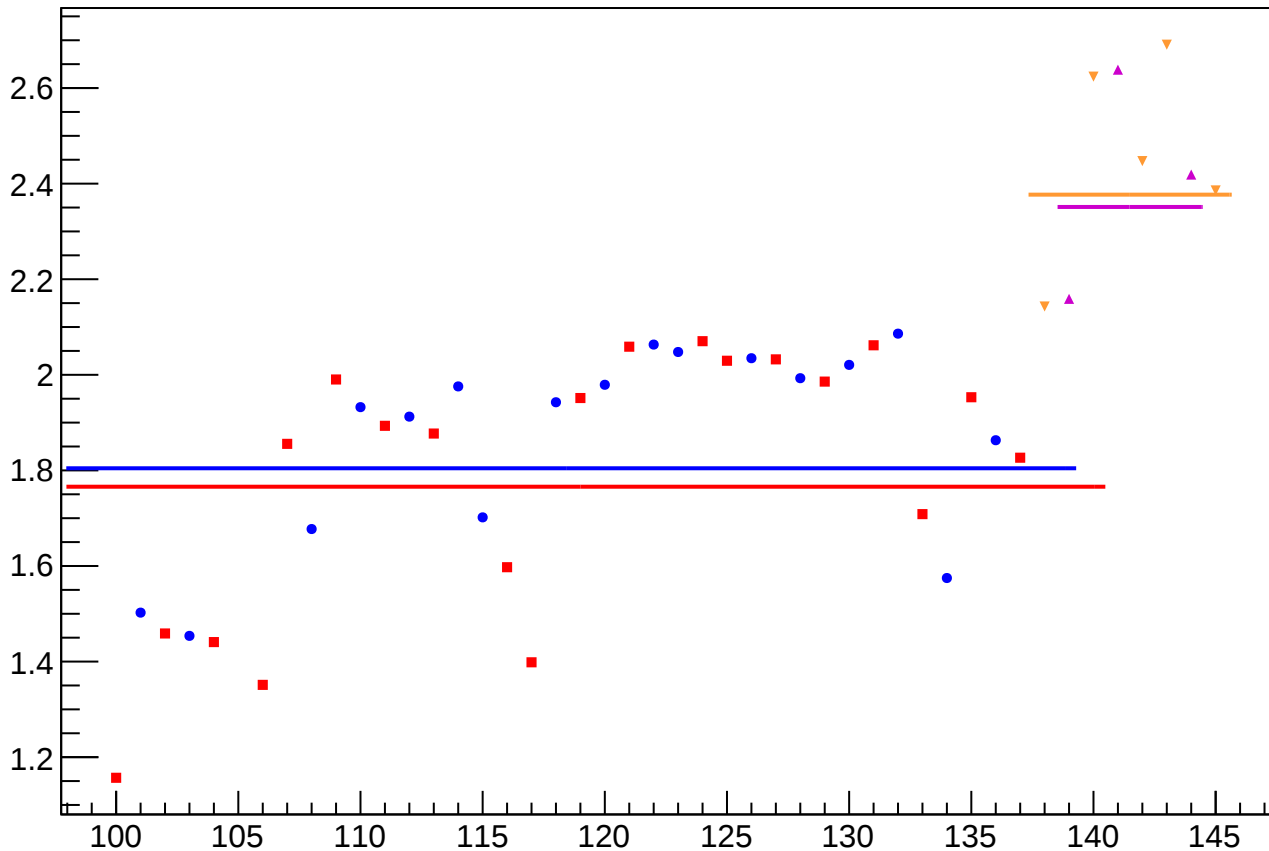
Right Out: 0.089+/-0.000 χ^2/NDF : 39762.8/19

Left In: 0.084+/-0.000 χ^2/NDF : 171.1/2

0.087+/-0.000 χ^2/NDF : 41204.9/21

0.088+/-0.000 χ^2/NDF : 48467.7/22

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 ± 0.000 χ^2/NDF : 1156747883.2/16

Left Out: 2.377 ± 0.000 χ^2/NDF : 1171249031.7/4

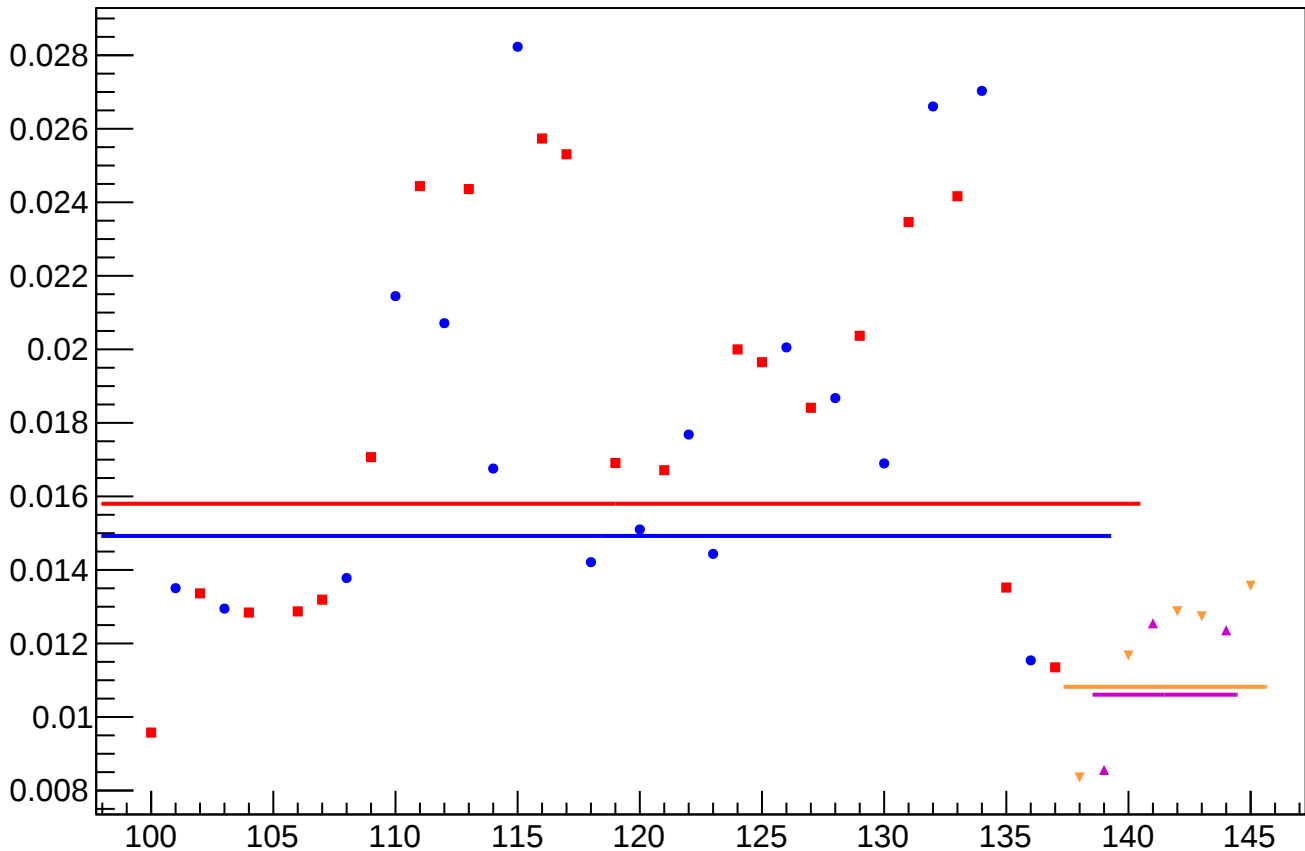
2.081 ± 0.000 χ^2/NDF : 6420149670.1/21

Right Out: 1.766 ± 0.000 χ^2/NDF : 1717275187.7/19

2.021 ± 0.000 χ^2/NDF : 6083183732.3/22

Left In: 2.351 ± 0.000 χ^2/NDF : 742280695.7/2

yield_bpm0r05Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2/NDF : 643651.9/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 229113.6/4

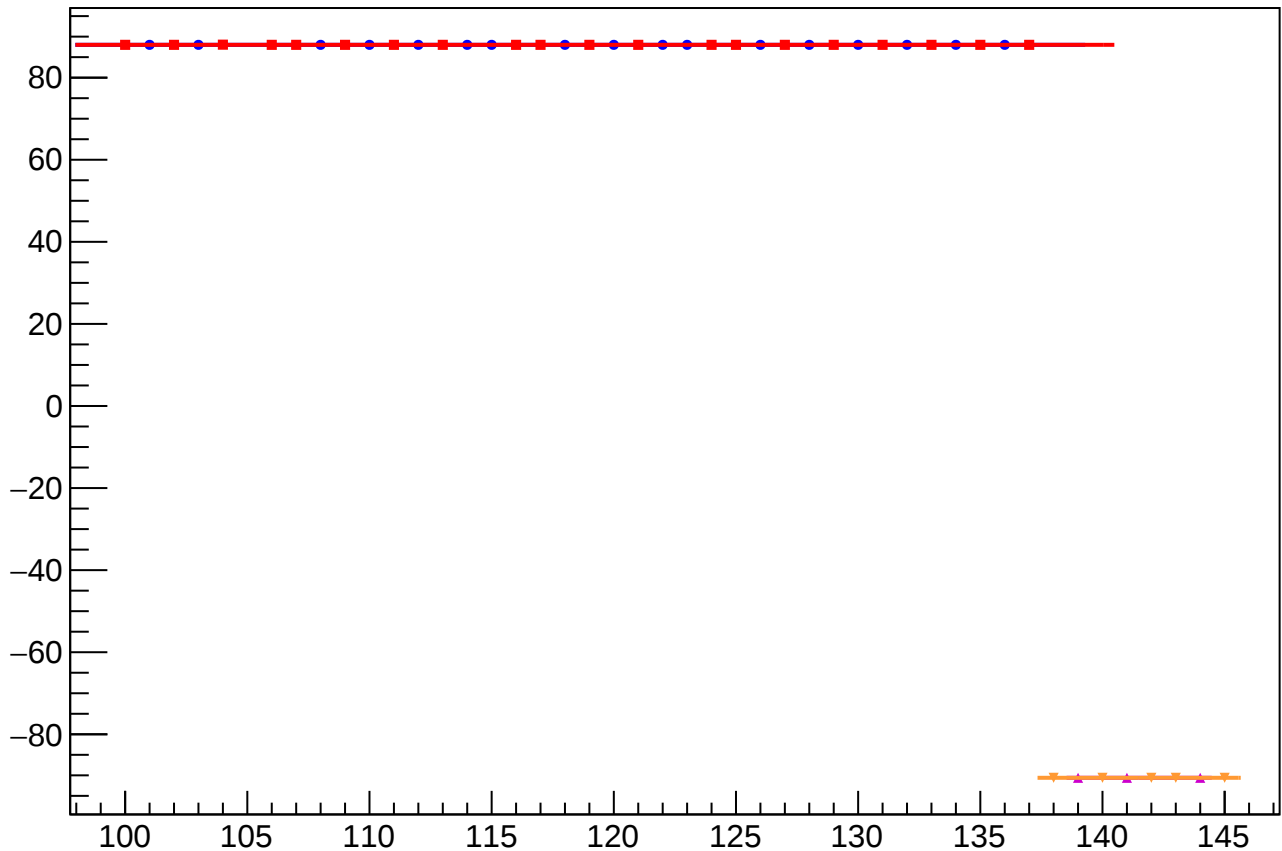
Right Out: 0.016 $\pm$ 0.000 χ^2/NDF : 796839.8/19

Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 141427.2/2

0.013 $\pm$ 0.000 χ^2/NDF : 1293308.4/21

0.014 $\pm$ 0.000 χ^2/NDF : 1508920.9/22

epics_VWienAngles_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 1852068.7/16

Left Out: -90.599+/-0.000 χ^2/NDF : 3045179.8/4

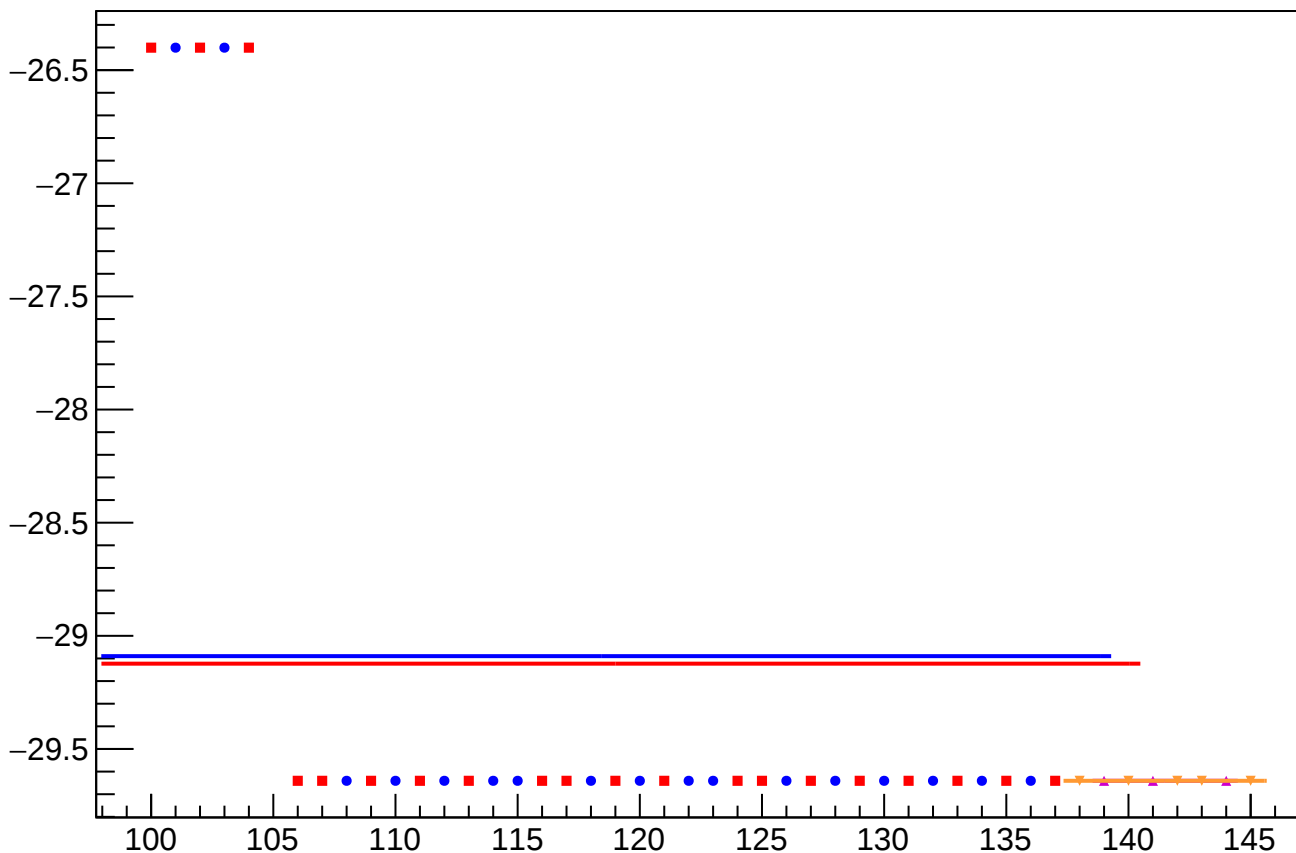
28.467+/-0.000 χ^2/NDF : 737906141333332832

Right Out: 88.004+/-0.000 χ^2/NDF : 77578366411928007427611426816.0/19

43.215+/-0.000 χ^2/NDF : 580758868953050562

Left In: -90.599+/-0.000 χ^2/NDF : 785175.3/2

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 : 162707.3/4

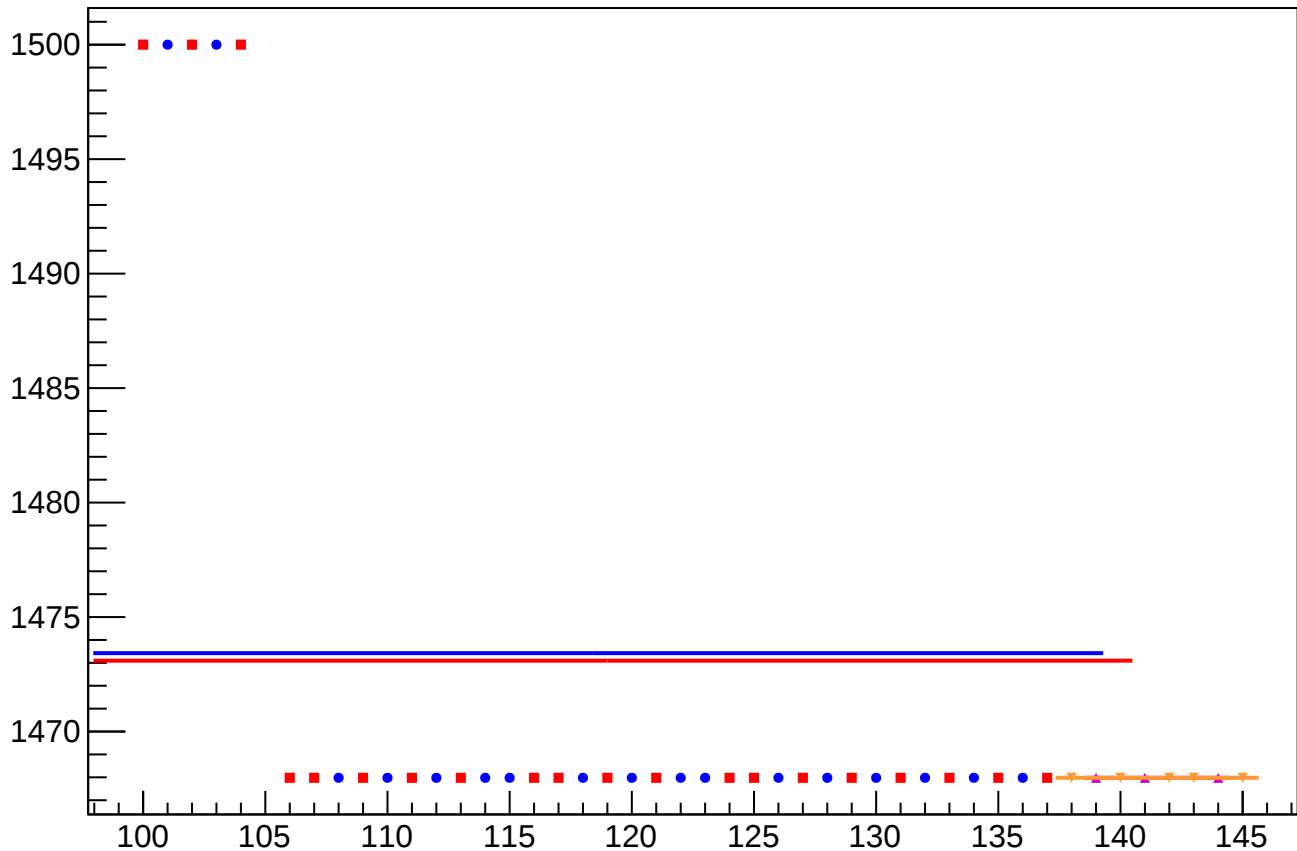
-29.273+/-0.000 χ^2/NDF : 10983050974063418

Right Out: -29.123+/-0.000 χ^2/NDF : 1023154512396702254583444720844800.0/19

-29.253+/-0.000 χ^2/NDF : 10719468780185727

Left In: -29.641+/-0.000 χ^2/NDF : 17493.8/2

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 : 170657700.1/4

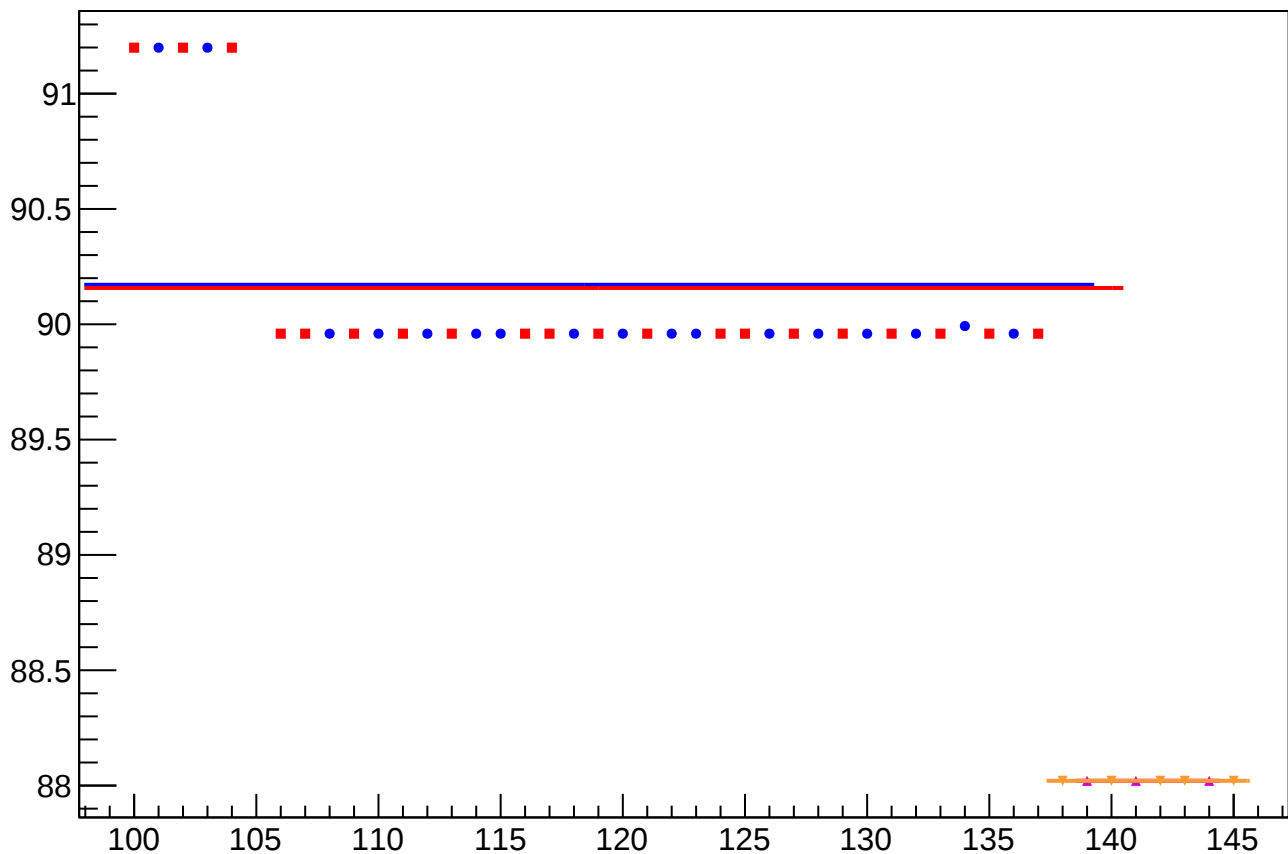
Right Out: 1473.096+/-0.000 χ^2/NDF : 99938310777099611815298348687032320.0/19

Left In: 1467.979+/-0.000 χ^2/NDF : 36447645.7/2

1471.609+/-0.000 χ^2/NDF : 1072787685757792

1471.813+/-0.000 χ^2/NDF : 1047041858624281

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 : 3168368.3/4

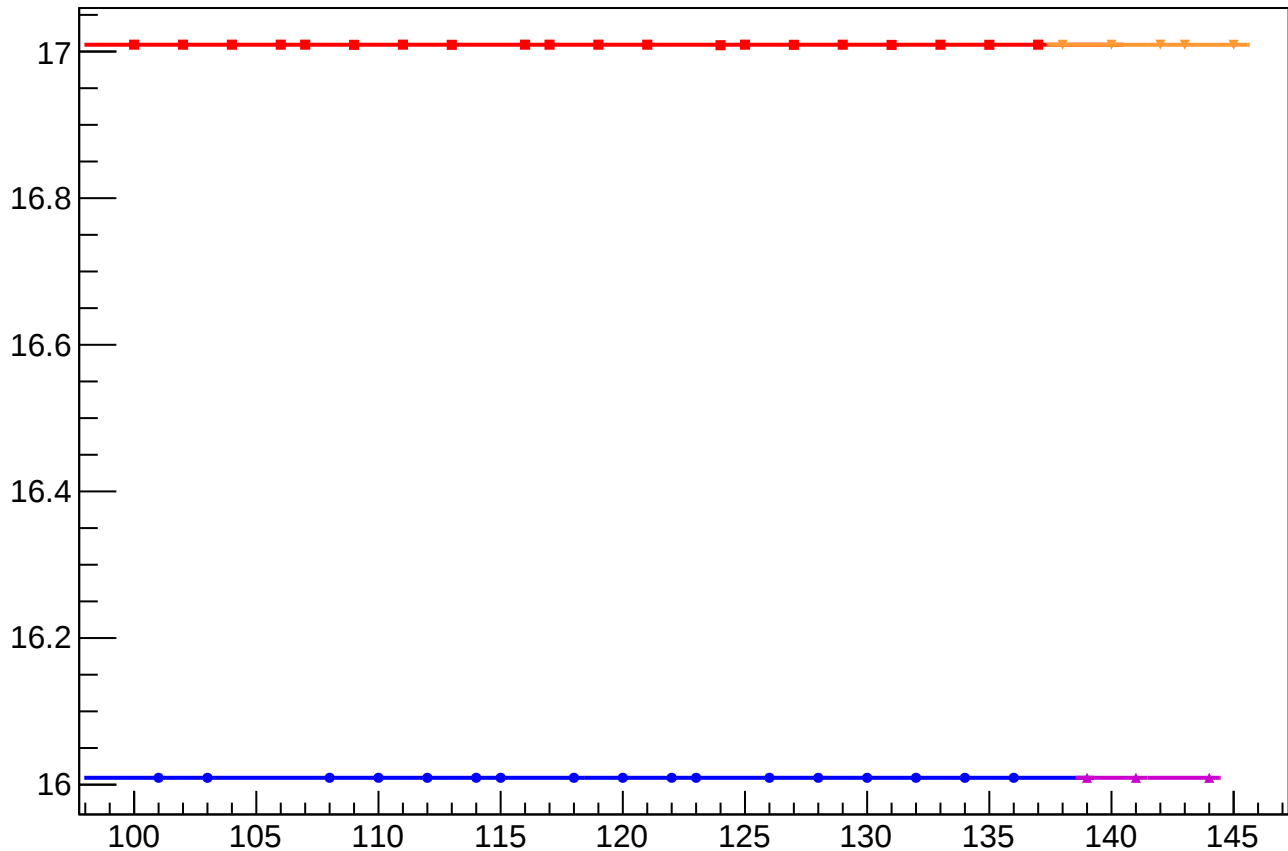
Right Out: 90.157+/-0.000 χ^2/NDF : 149863052341628336344772108091392.0/19

Left In: 88.021+/-0.000 χ^2/NDF : 790426.0/2

89.454+/-0.000 χ^2/NDF : 122008254794422990

89.622+/-0.000 χ^2/NDF : 981080286595543313

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 : 972843141472531108593664.0/4

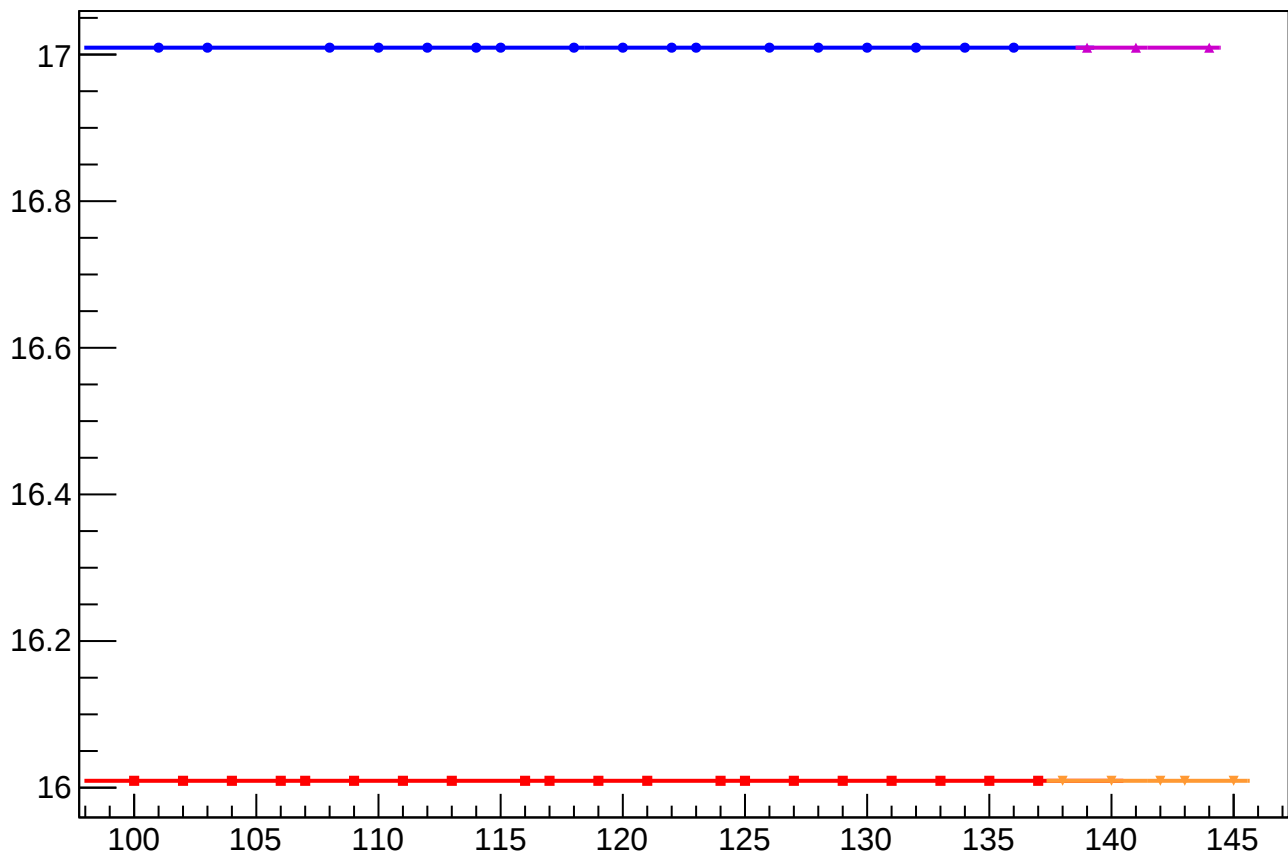
Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 1254878336668674095788512.0/19

Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 14489.8/2

16.329 $\pm$ 0.000 χ^2/NDF : 211537665452253893

16.751 $\pm$ 0.000 χ^2/NDF : 169847597077444525

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 : 10955.7/4

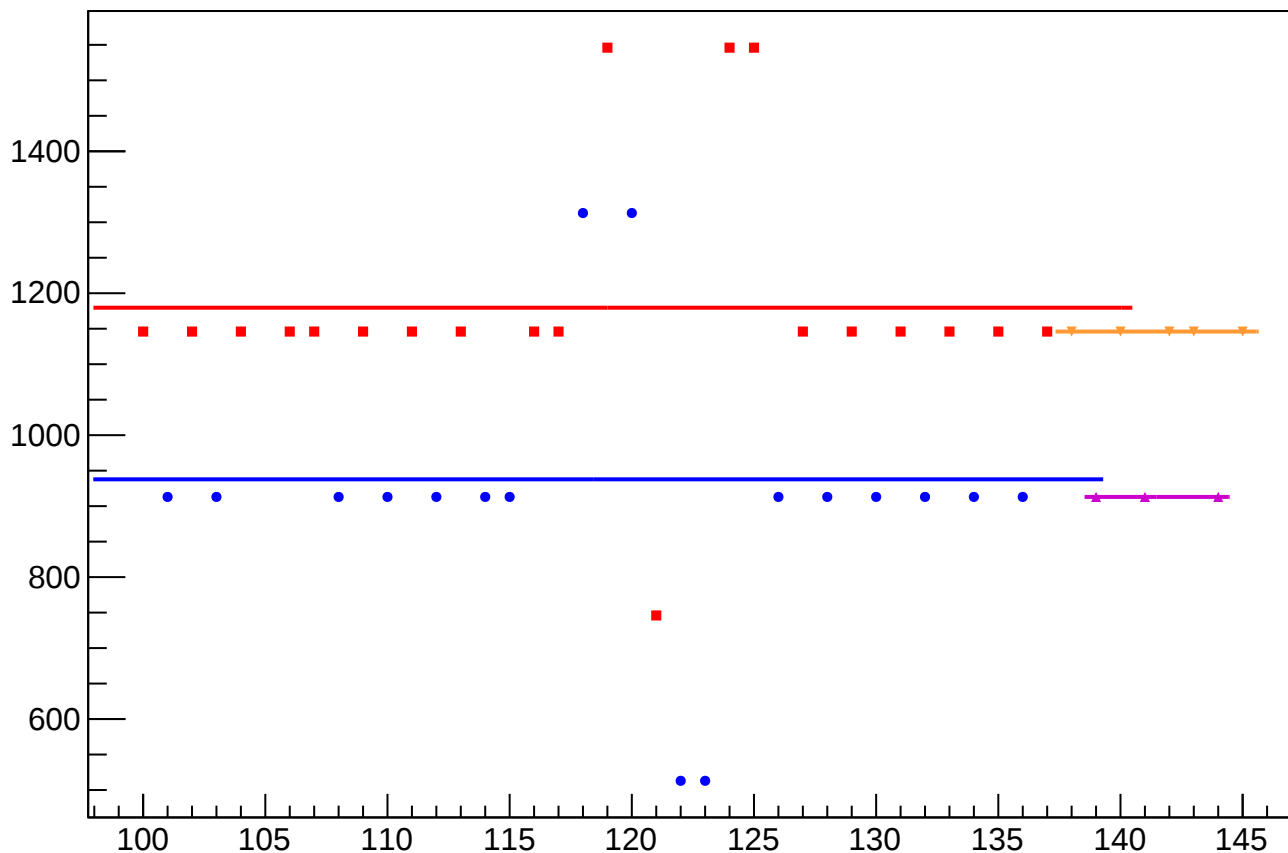
Right Out: 16.009+/-0.000 χ^2/NDF : 42750.0/19

Left In: 17.009+/-0.000 χ^2/NDF : 9655.7/2

16.671+/-0.000 χ^2/NDF : 22419380619380083

16.262+/-0.000 χ^2/NDF : 181618503118487880

epics_RTPAPOSUCNTs_mean vs Slug



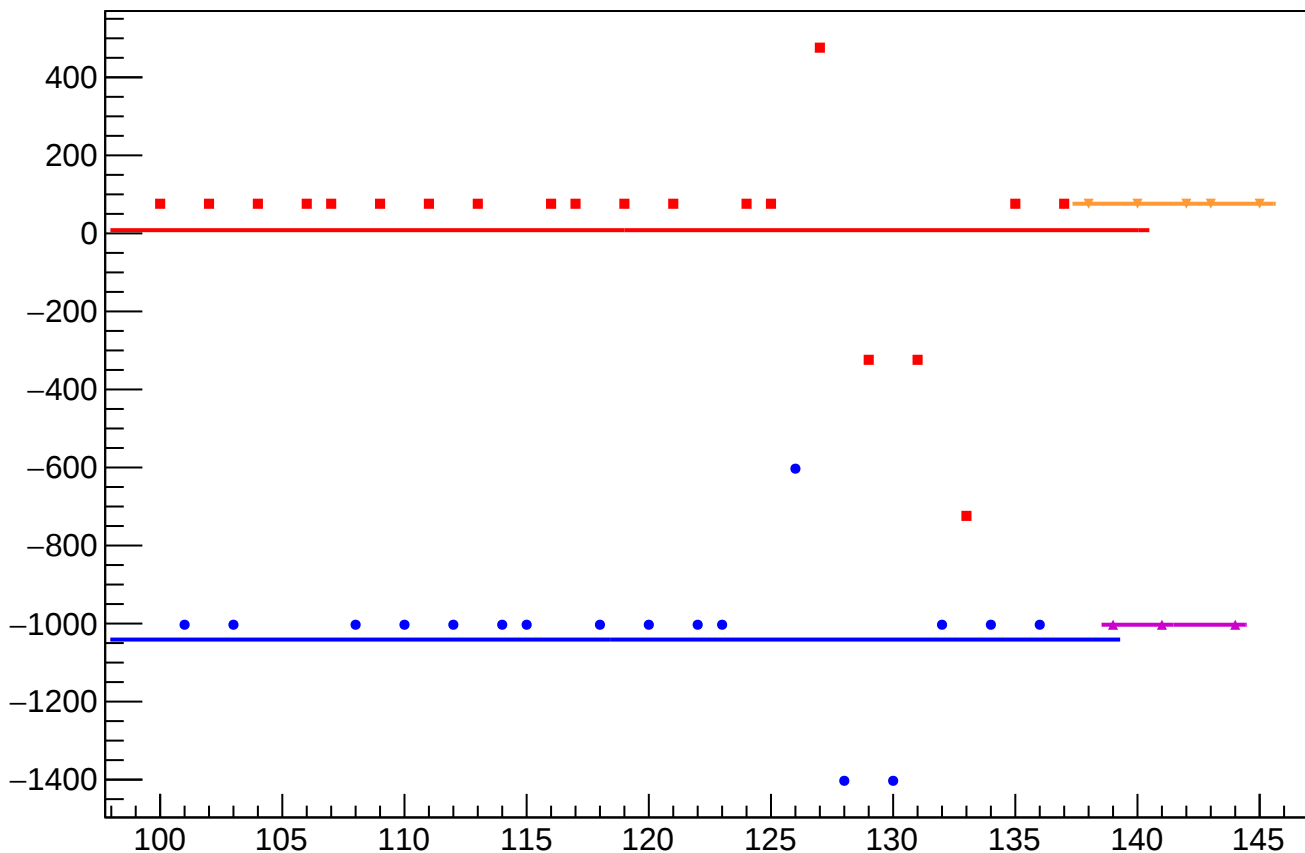
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.011+/-0.000 χ^2/NDF : 1470929714952090619519959040.0/4

Right Out: 1179.619+/-0.000 χ^2/NDF : 21420659731738679306829480097874968576.0/19

Left In: 912.995+/-0.000 χ^2/NDF : 7516412938646713667757801472.0/2

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1041.030+/-0.000 χ^2/NDF : 22675401109943882512554797113855180800.0/16

Left Out: 76.011+/-0.000 χ^2/NDF : 2713170620256694396421931008.0/4

Right Out: 8.240+/-0.000 χ^2/NDF : 43865391744972338137265798243810279424.0/19

Left In: -1002.989+/-0.000 χ^2/NDF : 471718238644320208097902592.0/2