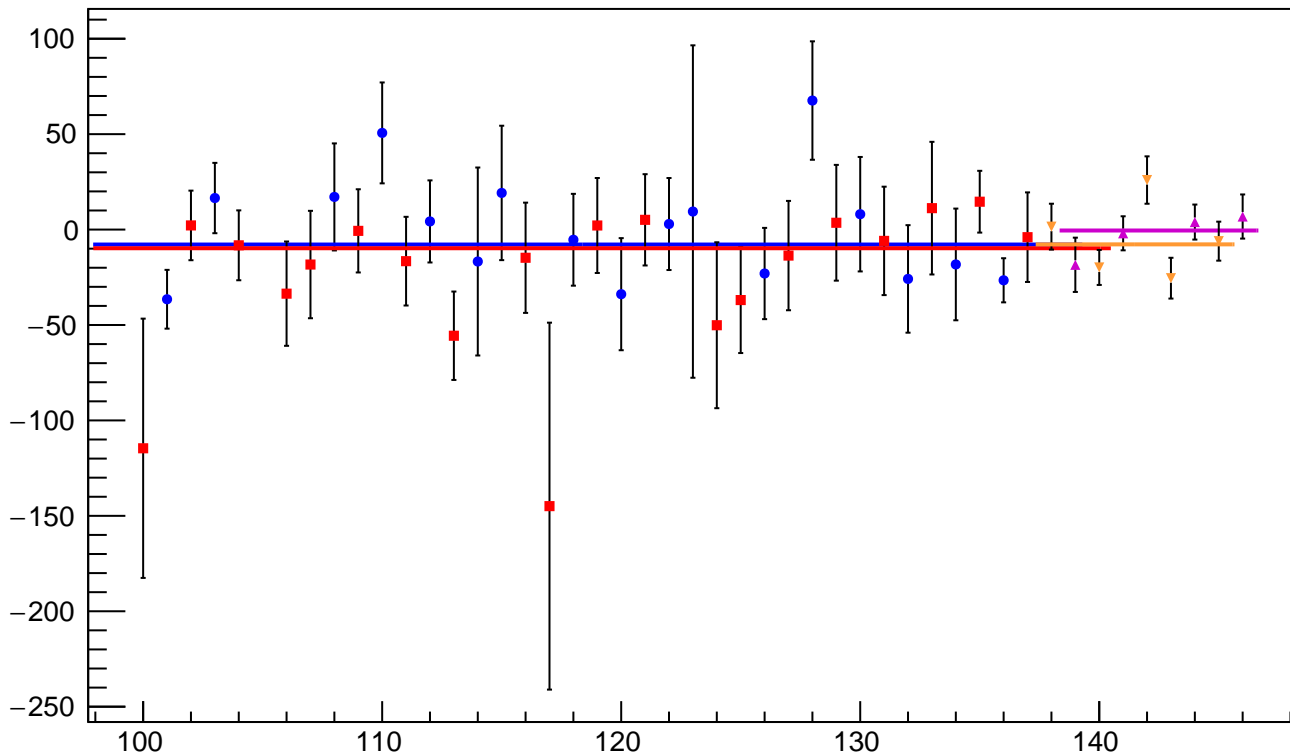


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

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

Left Out: -7.751 ± 4.788

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

-7.789 ± 3.641

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

Right Out: -9.781 ± 5.667

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

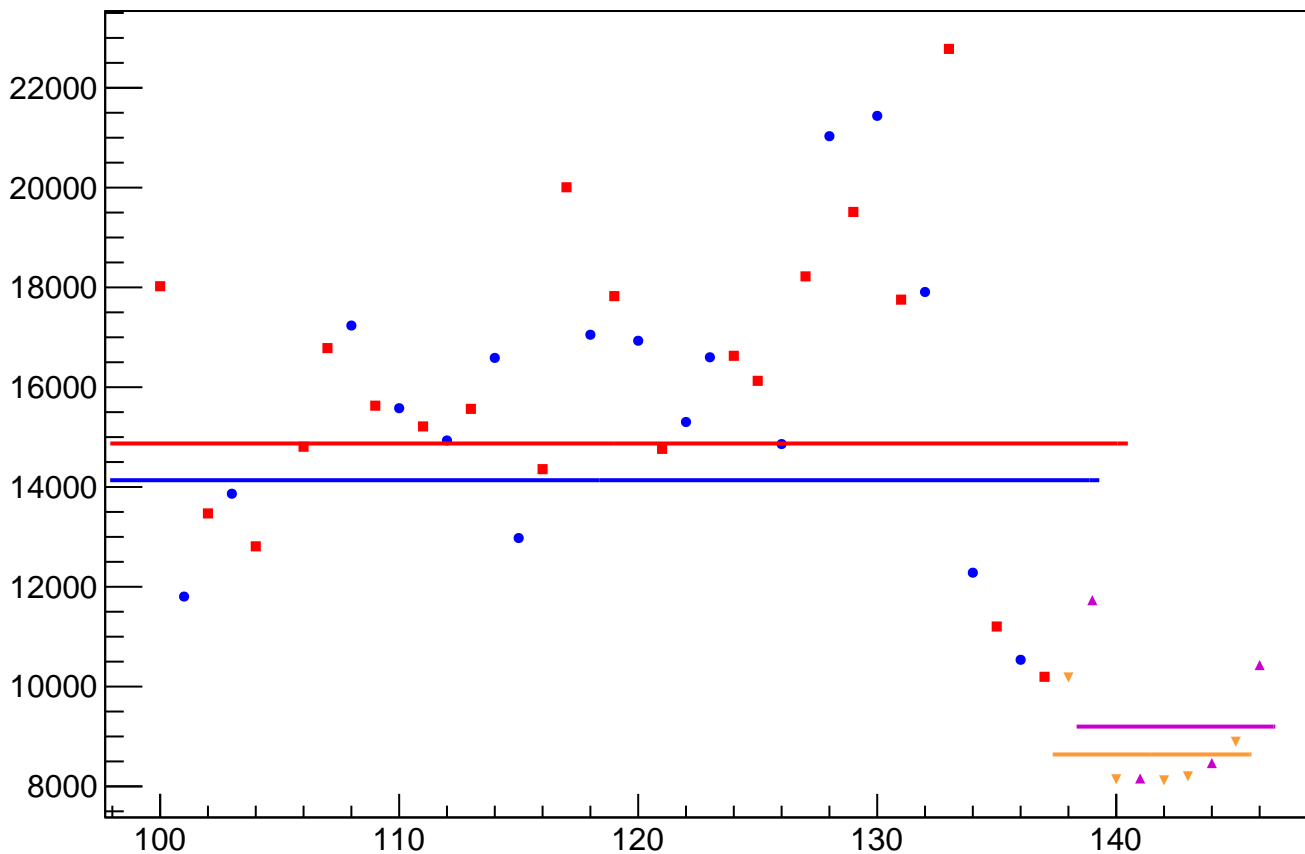
-4.742 ± 3.835

$\chi^2/\text{NDF}: 18.9/23$

Left In: -0.487 ± 5.208

$\chi^2/\text{NDF}: 2.3/3$

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

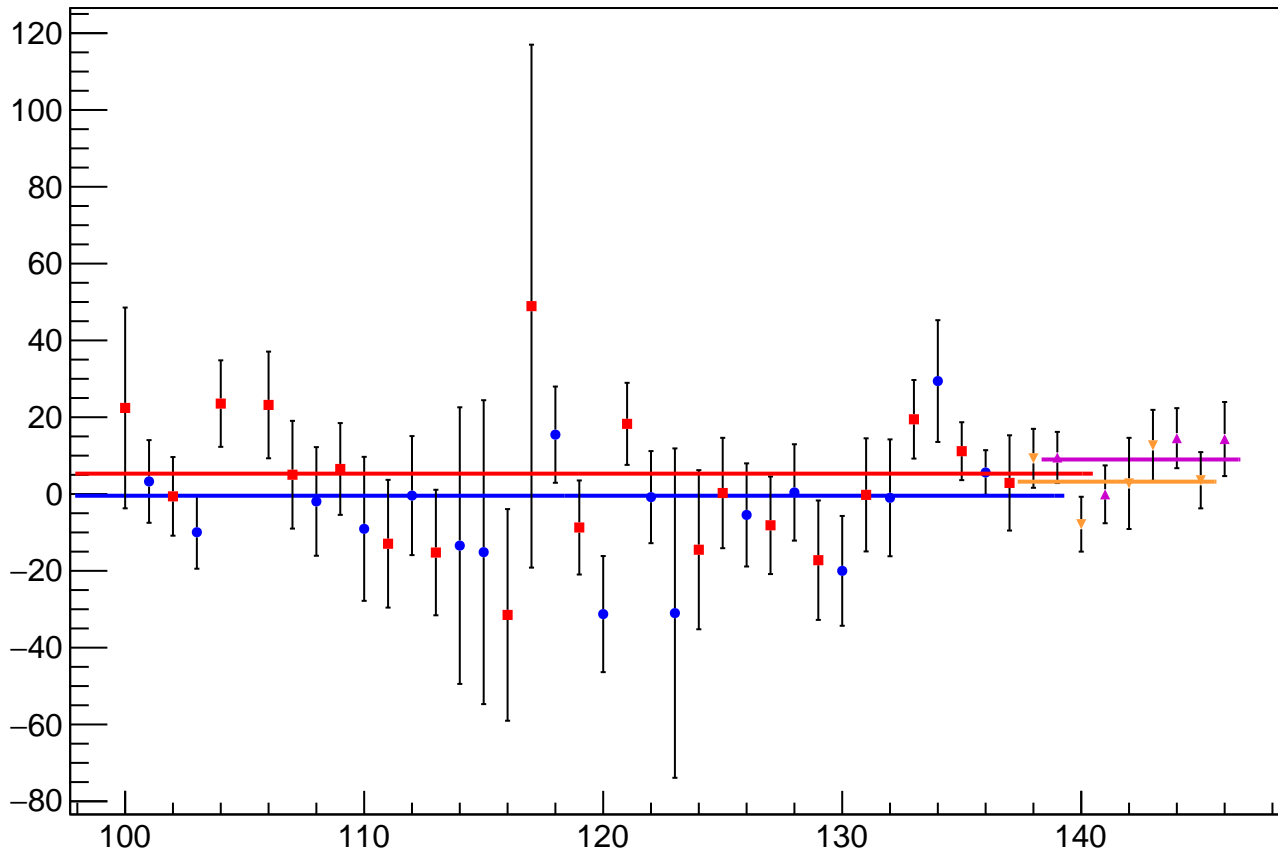
10956.506+/-2.575 χ^2 /NDF: 1755256.9/21

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

11795.822+/-2.712 χ^2 /NDF: 1690664.2/23

Left In: 9197.953+/-3.683 χ^2 /NDF:126087.2/3

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

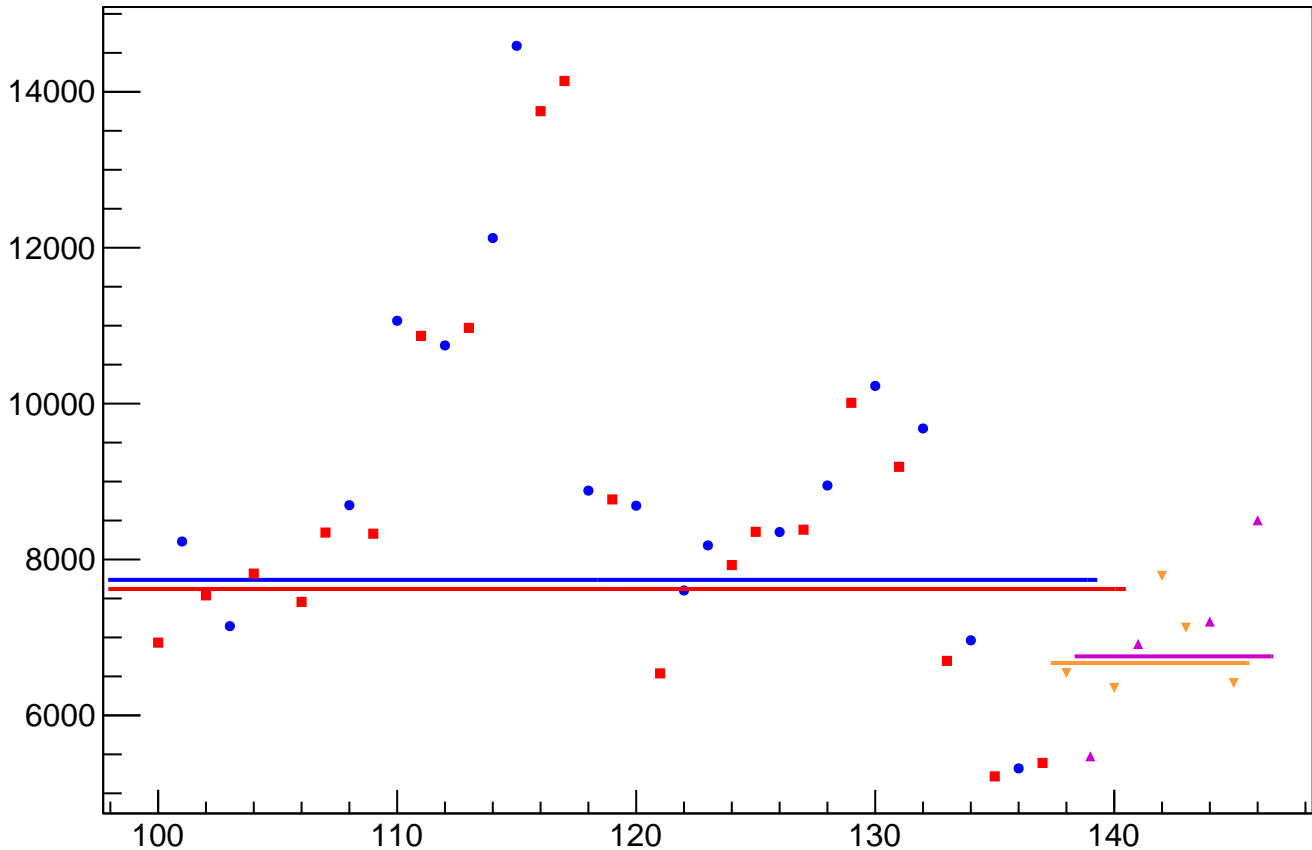
Right Out: 5.310 ± 2.933 χ^2/NDF : 19.8/19

Left In: 8.996 ± 3.855 χ^2/NDF : 2.3/3

1.065 ± 2.357 χ^2/NDF : 19.2/21

6.662 ± 2.334 χ^2/NDF : 22.6/23

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

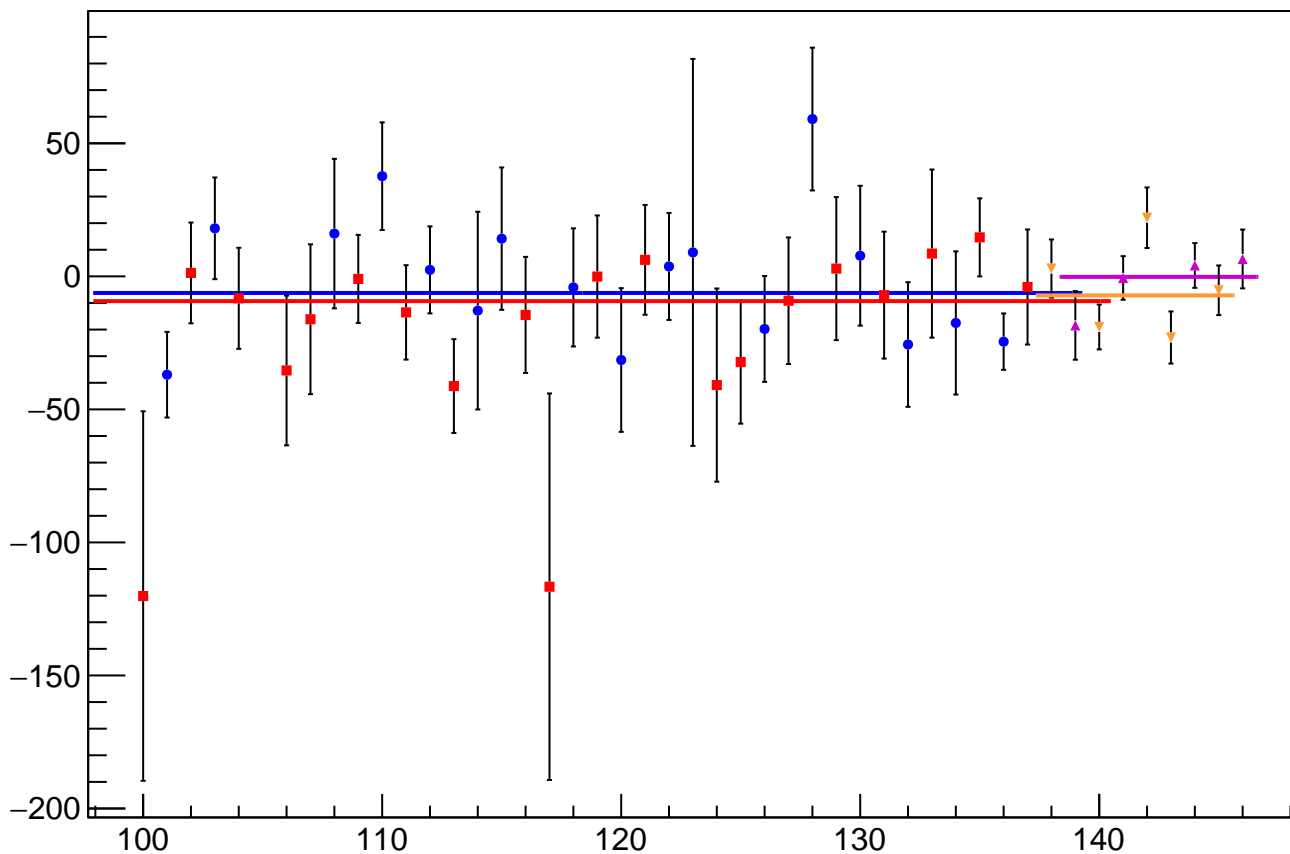
Right Out: 7621.652 ± 2.074 χ^2/NDF : 697548.6/19

Left In: 6757.327 ± 2.726 χ^2/NDF : 147074.9/3

7300.280 ± 1.666 χ^2/NDF : 869637.5/21

7304.778 ± 1.651 χ^2/NDF : 908294.6/23

diff_bpm4eX_mean vs Slug



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

Left Out: -7.156 ± 4.380 χ^2/NDF : 12.1/4

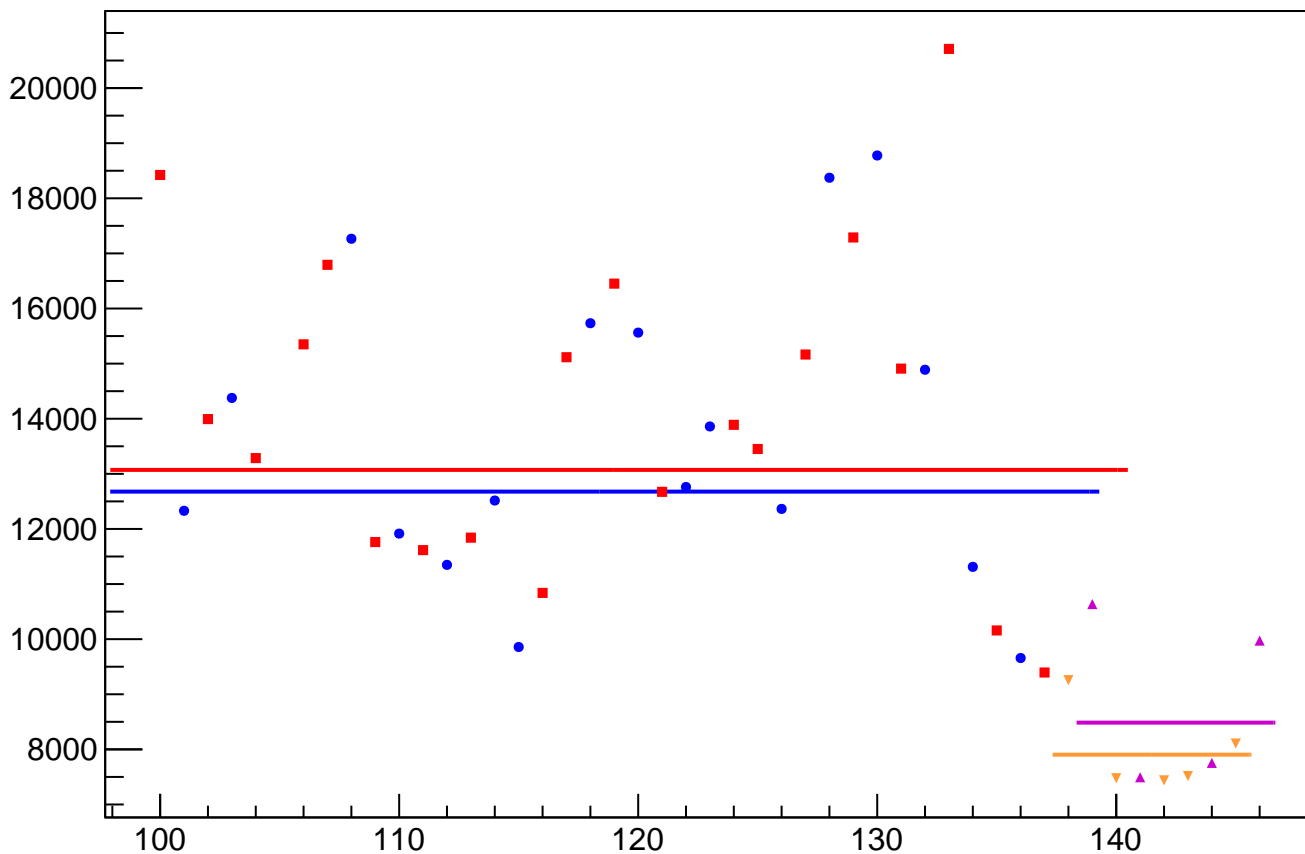
Right Out: -9.310 ± 4.987 χ^2/NDF : 15.3/19

Left In: -0.195 ± 4.808 χ^2/NDF : 2.6/3

-6.762 ± 3.300 χ^2/NDF : 35.3/21

-4.586 ± 3.462 χ^2/NDF : 19.7/23

diff_bpm4eX_rms vs Slug



Right In: 12677.516 ± 3.548 $\chi^2/\text{NDF}: 553605.5/16$

Left Out: 7903.846 ± 3.097 $\chi^2/\text{NDF}: 43223.4/4$

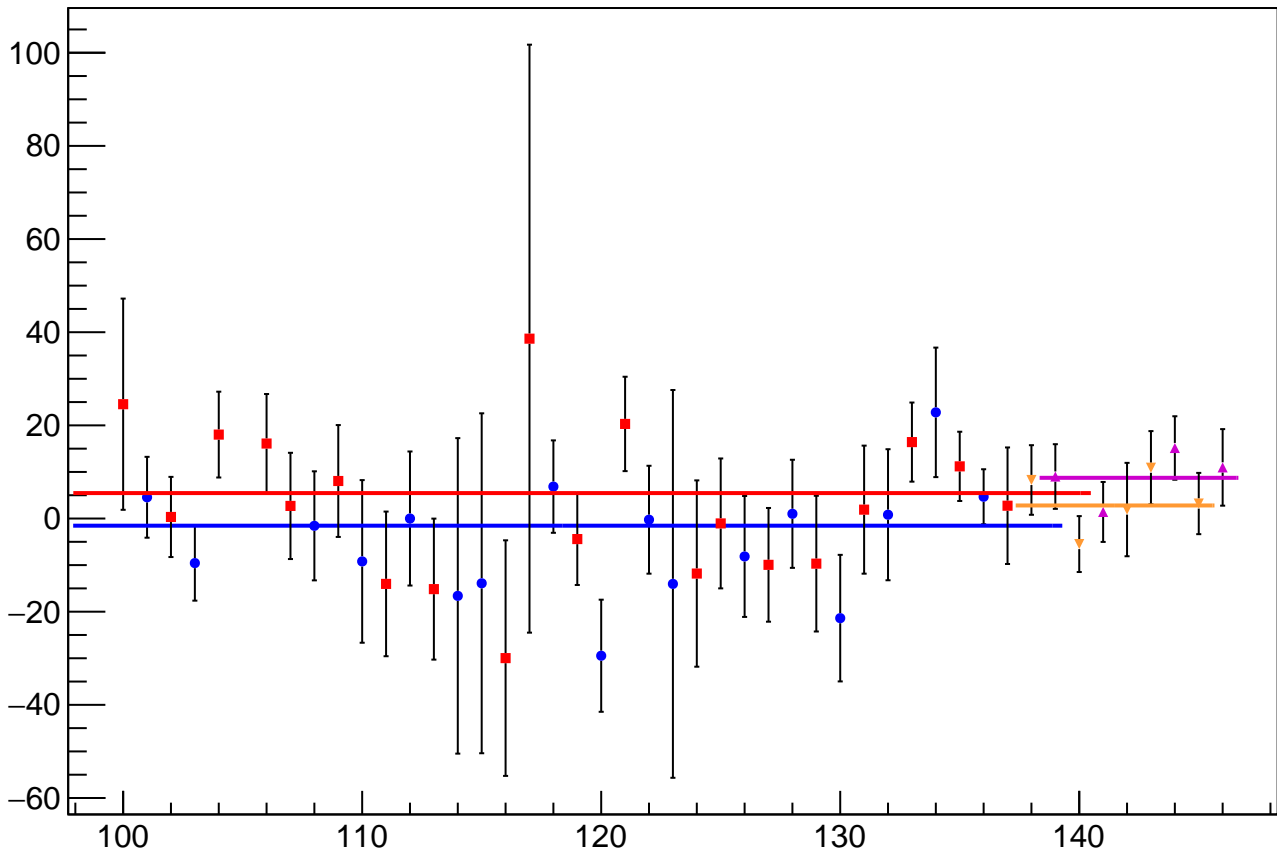
Right Out: 13071.522 ± 3.527 $\chi^2/\text{NDF}: 499021.5/19$

Left In: 8485.469 ± 3.400 $\chi^2/\text{NDF}: 136326.7/3$

9968.639 ± 2.333 $\chi^2/\text{NDF}: 1624189.8/21$

10694.686 ± 2.448 $\chi^2/\text{NDF}: 1511750.7/23$

diff_bpm4eY_mean vs Slug



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

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

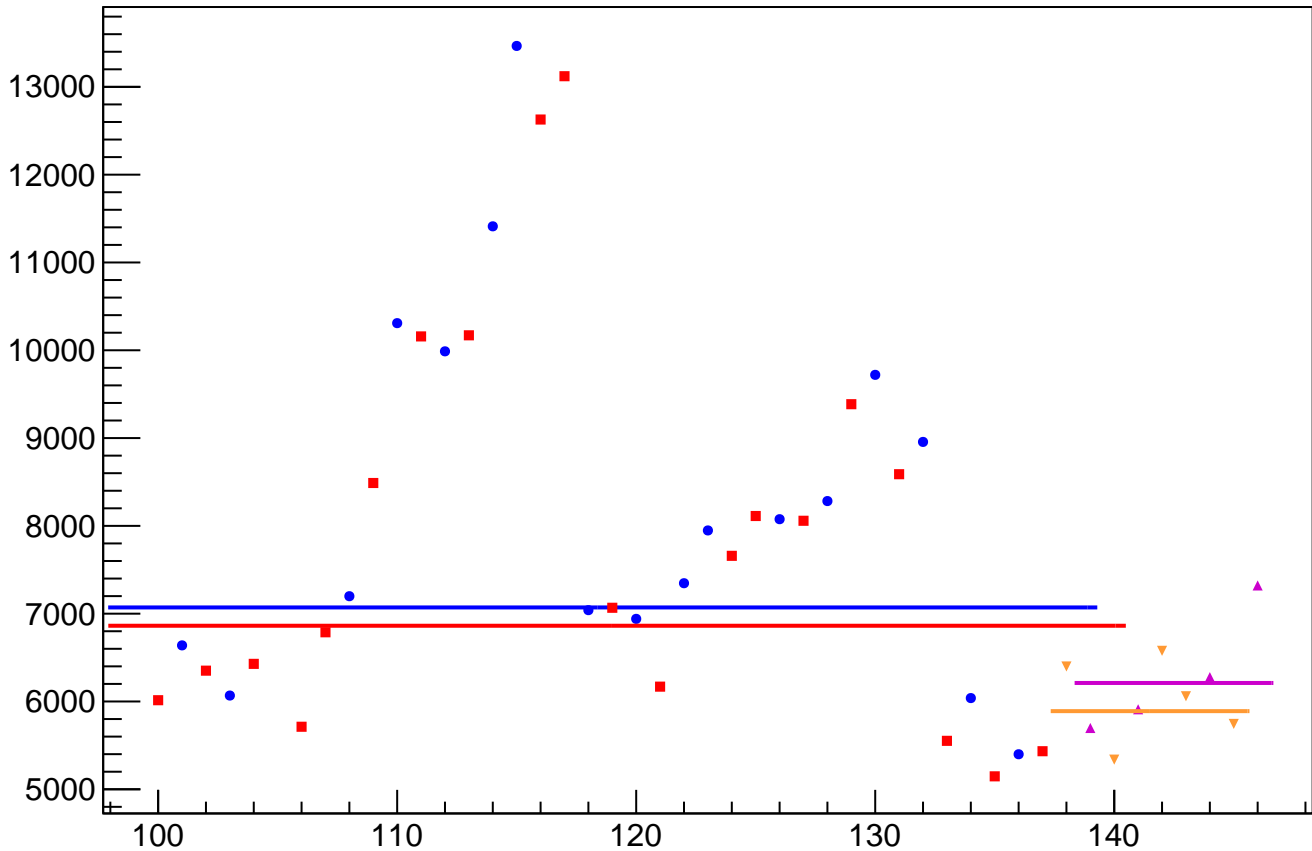
Right Out: 5.463 \pm 2.637 χ^2/NDF : 18.9/19

Left In: 8.740 \pm 3.508 χ^2/NDF : 2.3/3

0.307 \pm 2.116 χ^2/NDF : 19.4/21

6.646 \pm 2.108 χ^2/NDF : 21.7/23

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

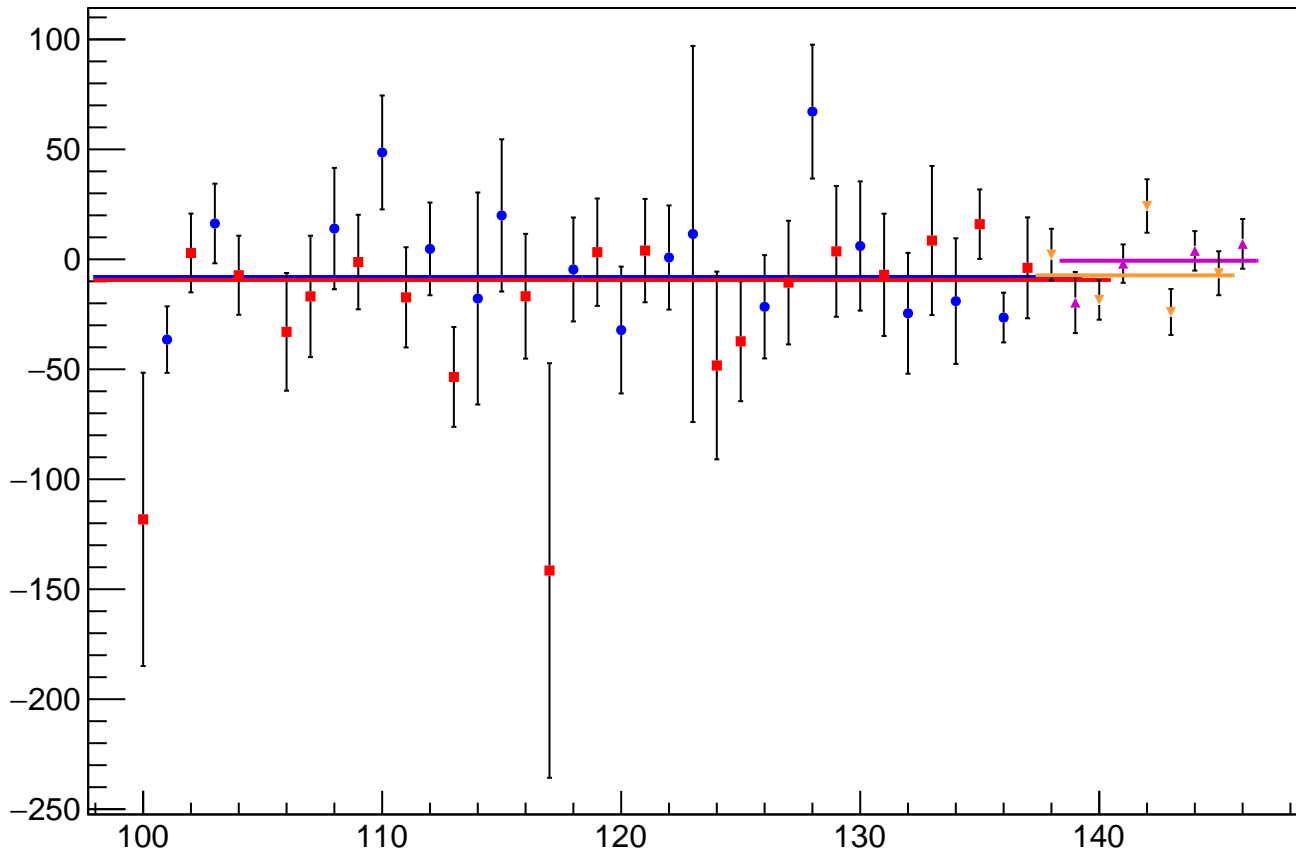
Right Out: 6862.551+/-1.865 χ^2 /NDF: 704099.3/19

Left In: 6210.845+/-2.481 χ^2 /NDF:51965.9/3

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

6627.250+/-1.491 χ^2 /NDF: 800159.3/23

diff_bpm4acX_mean vs Slug



Right In: -8.036 ± 5.497 $\chi^2/\text{NDF}: 22.6/16$

-7.599 ± 3.565 $\chi^2/\text{NDF}: 34.1/21$

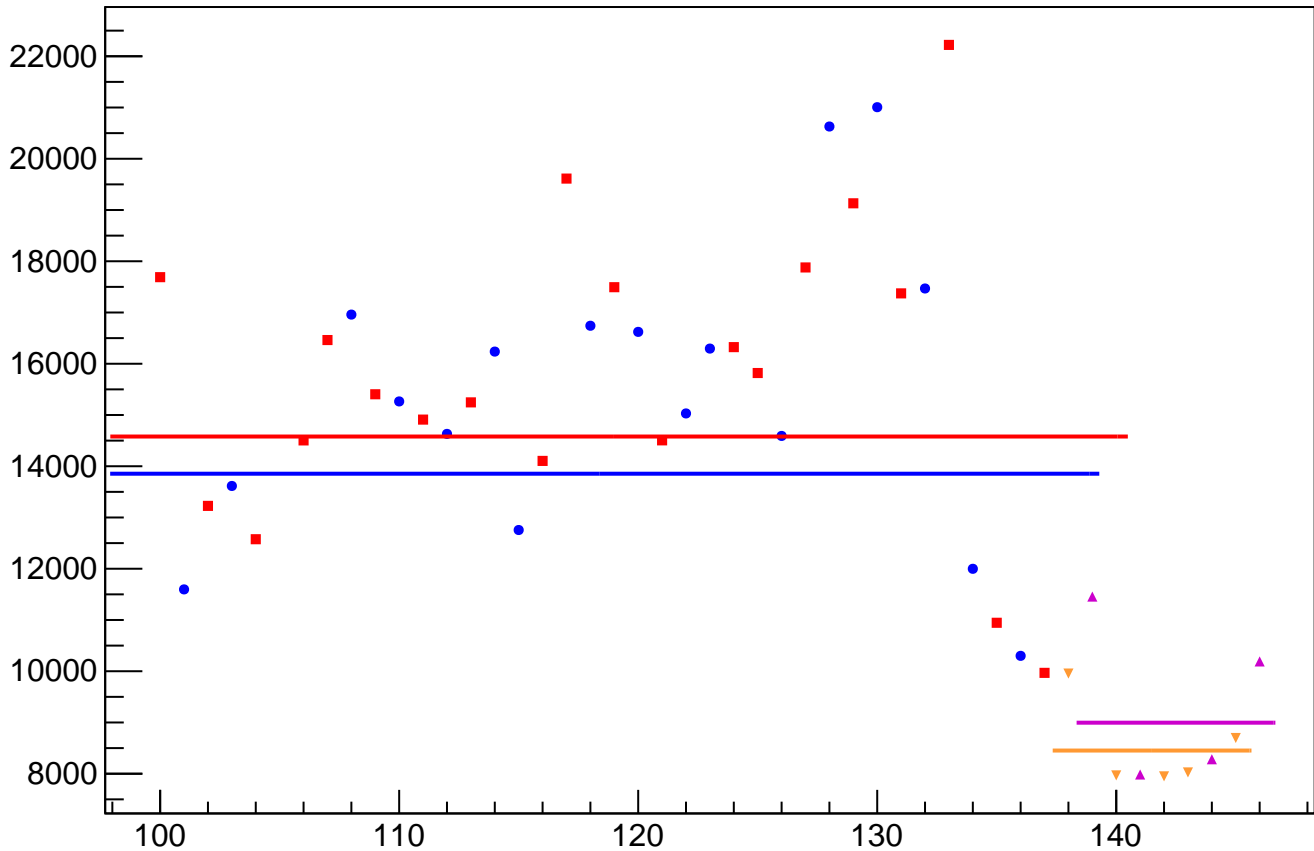
Left Out: -7.282 ± 4.683 $\chi^2/\text{NDF}: 11.5/4$

Right Out: -9.368 ± 5.556 $\chi^2/\text{NDF}: 15.7/19$

-4.623 ± 3.754 $\chi^2/\text{NDF}: 19.6/23$

Left In: -0.636 ± 5.093 $\chi^2/\text{NDF}: 2.6/3$

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

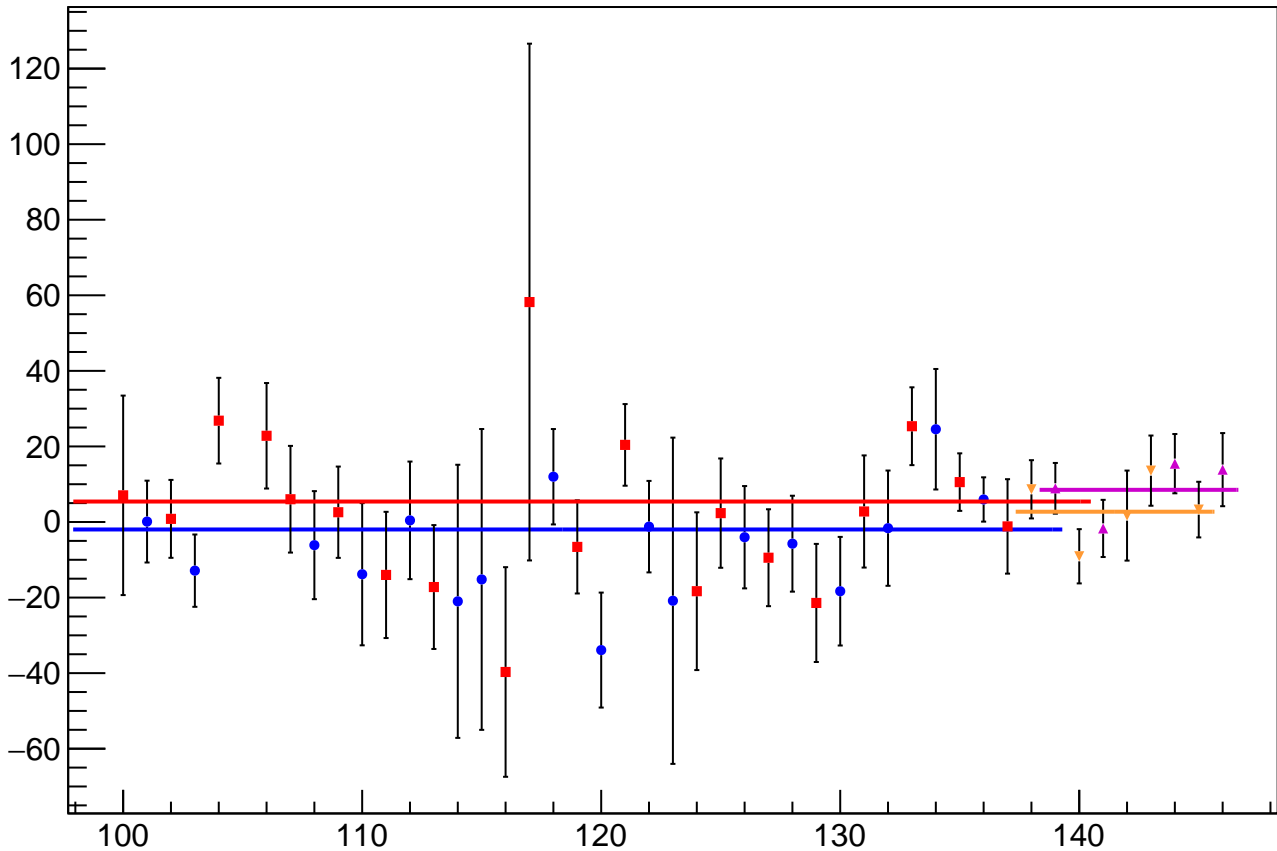
10723.960+/-2.521 χ^2 /NDF: 1766501.0/21

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

11545.254+/-2.655 χ^2 /NDF: 1702325.3/23

Left In: 8995.857+/-3.601 χ^2 /NDF:124635.8/3

diff_bpm4acY_mean vs Slug



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

Left Out: 2.725 ± 3.693 $\chi^2/\text{NDF}: 4.7/4$

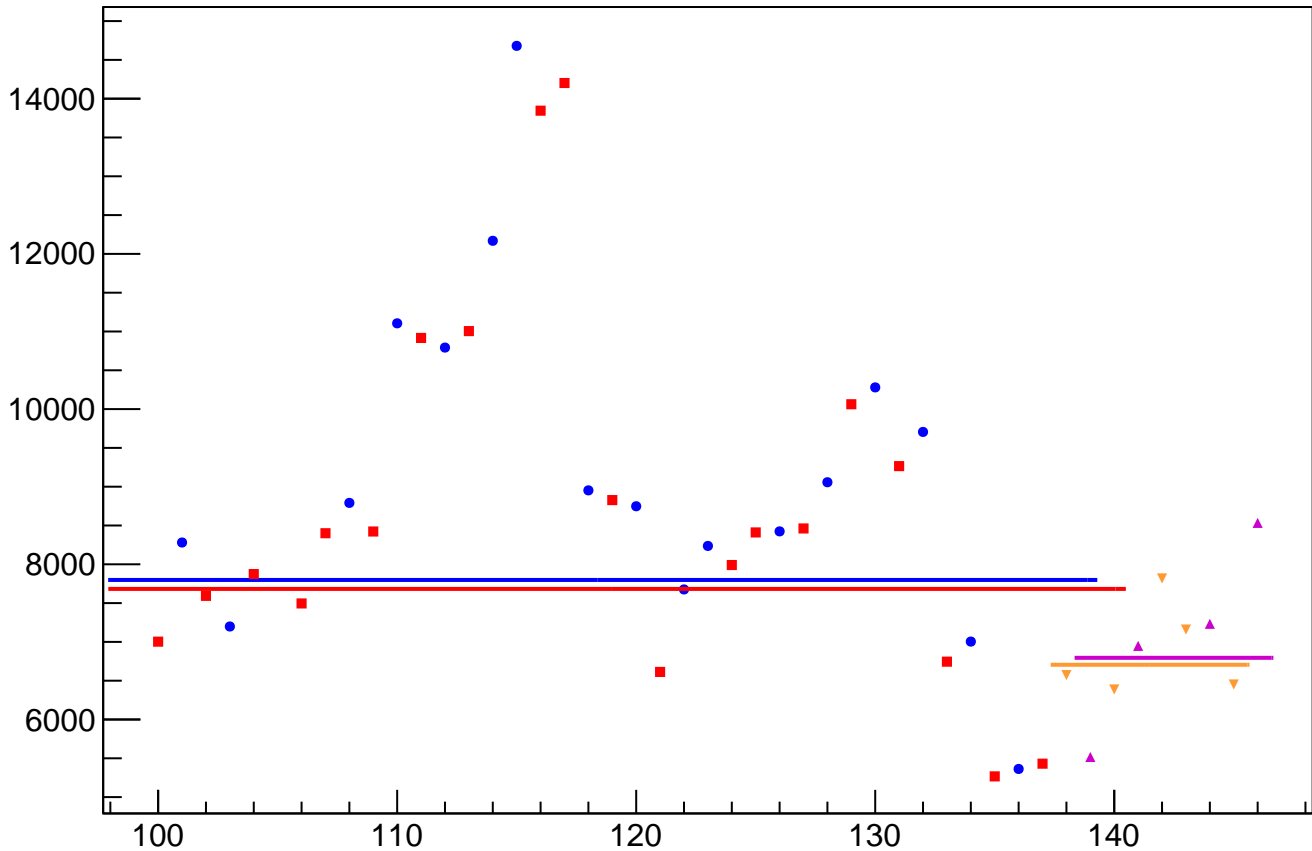
Right Out: 5.417 ± 2.956 $\chi^2/\text{NDF}: 24.9/19$

Left In: 8.515 ± 3.875 $\chi^2/\text{NDF}: 2.9/3$

-0.038 ± 2.372 $\chi^2/\text{NDF}: 19.7/21$

6.556 ± 2.350 $\chi^2/\text{NDF}: 28.2/23$

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

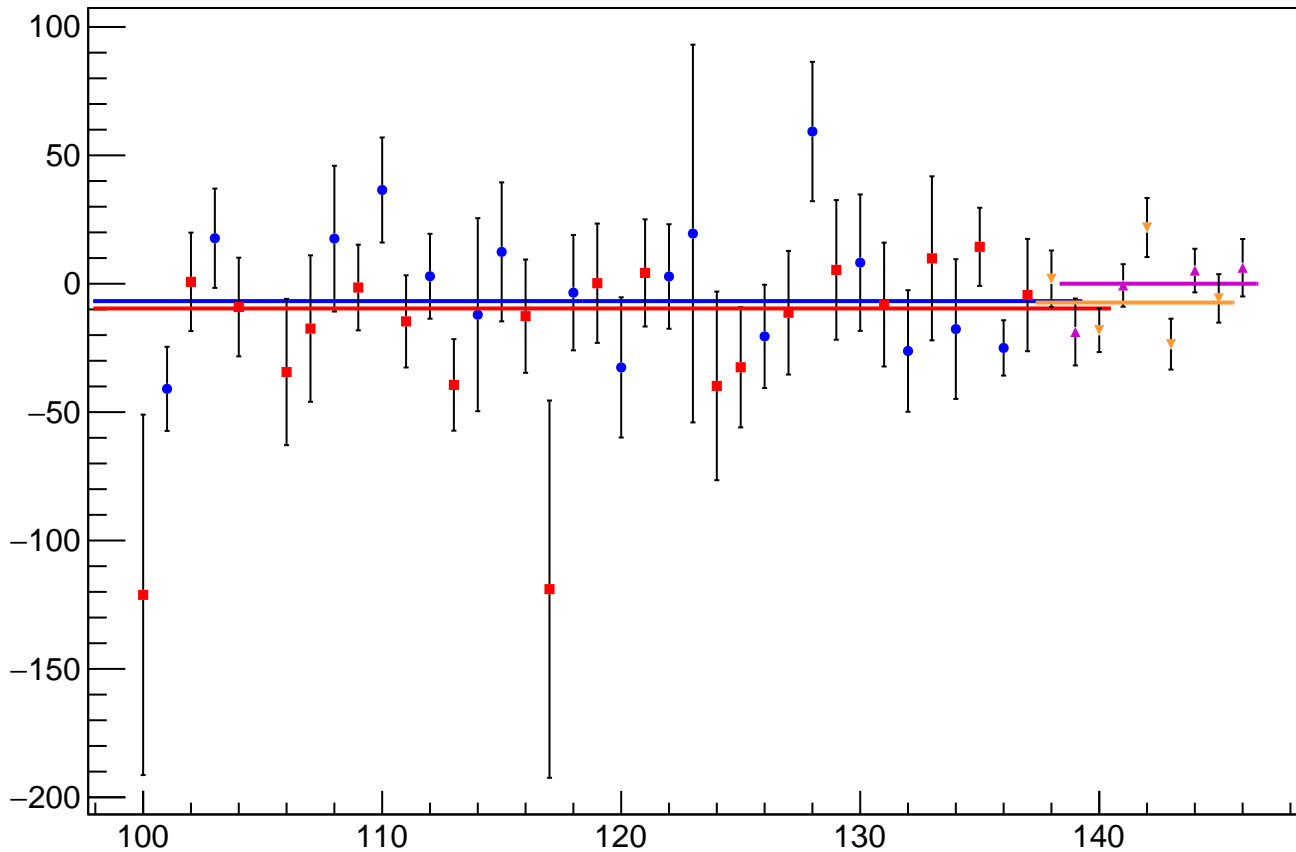
Right Out: 7682.786+/-2.090 χ^2 /NDF: 690901.2/19

Left In: 6794.865+/-2.740 χ^2 /NDF:144142.1/3

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

7356.223+/-1.662 χ^2 /NDF: 901423.6/23

diff_bpm4ecX_mean vs Slug



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

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

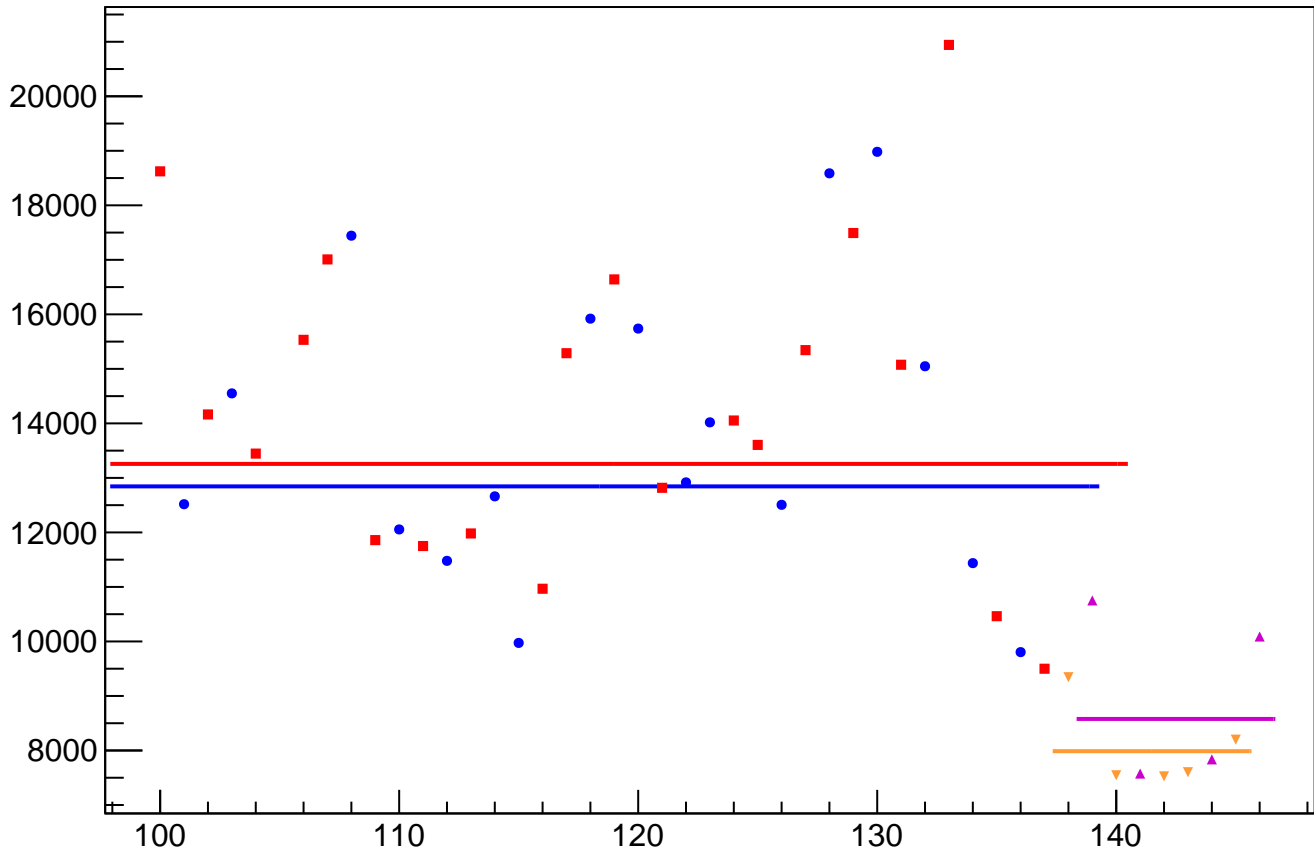
Left Out: -7.317 ± 4.426 $\chi^2/\text{NDF}: 11.5/4$

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

-4.611 ± 3.505 $\chi^2/\text{NDF}: 19.1/23$

Left In: 0.017 ± 4.861 $\chi^2/\text{NDF}: 2.8/3$

diff_bpm4ecX_rms vs Slug



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

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

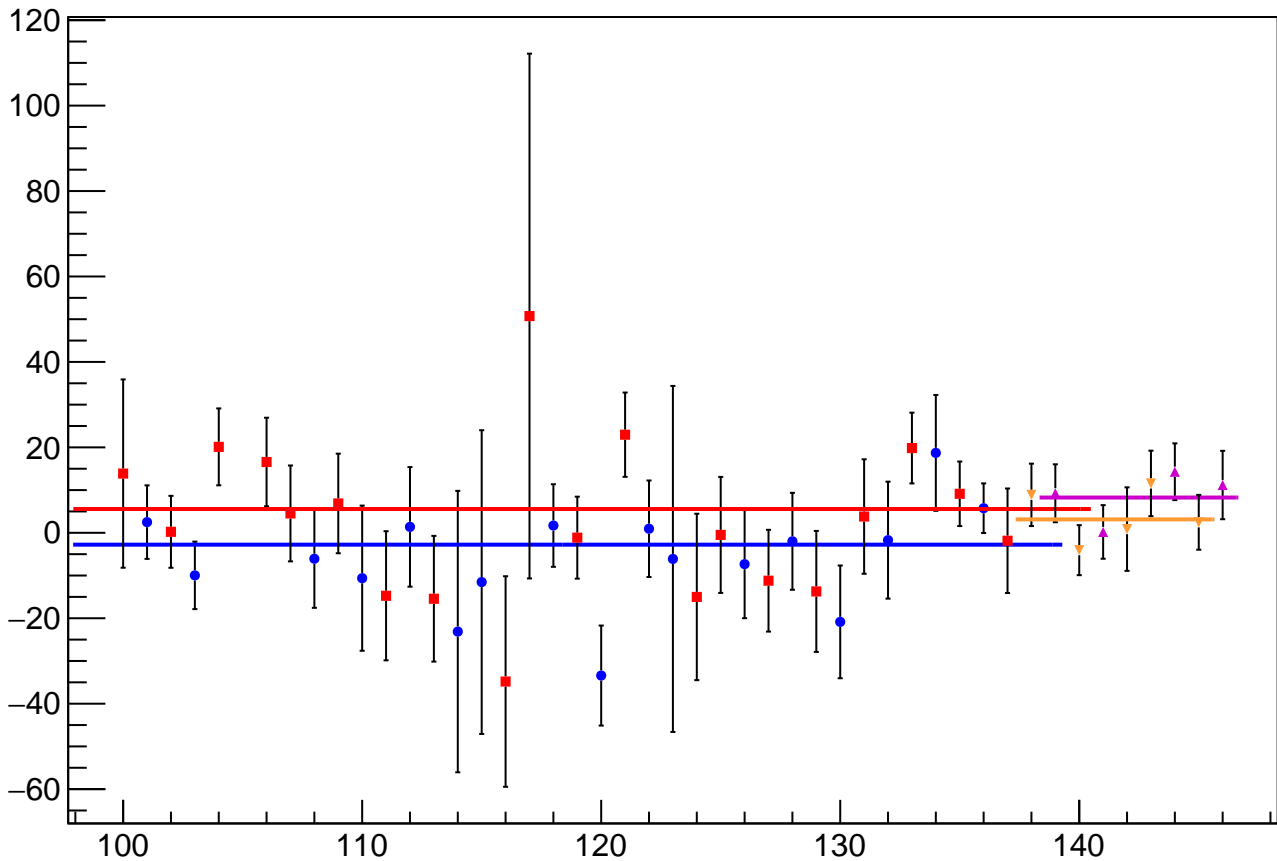
Left Out: 7986.907+/-3.130 χ^2/NDF : 42958.5/4

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

10824.765+/-2.478 χ^2/NDF : 1513078.6/23

Left In: 8578.517+/-3.437 χ^2/NDF : 136681.2/3

diff_bpm4ecY_mean vs Slug



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

Left Out: 3.140 ± 3.167 $\chi^2/\text{NDF}: 3.4/4$

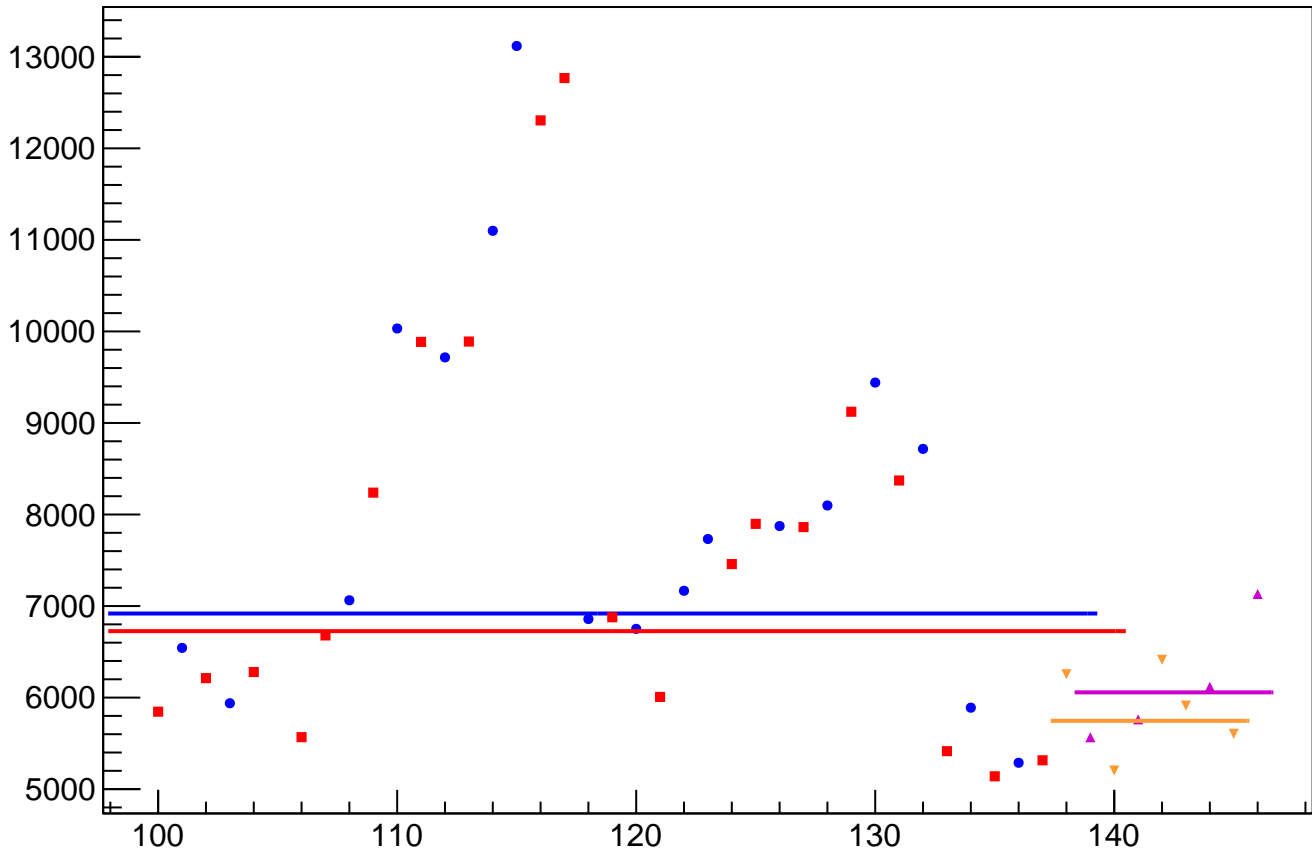
Right Out: 5.571 ± 2.585 $\chi^2/\text{NDF}: 23.7/19$

Left In: 8.255 ± 3.421 $\chi^2/\text{NDF}: 2.6/3$

-0.251 ± 2.068 $\chi^2/\text{NDF}: 21.3/21$

6.547 ± 2.063 $\chi^2/\text{NDF}: 26.7/23$

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

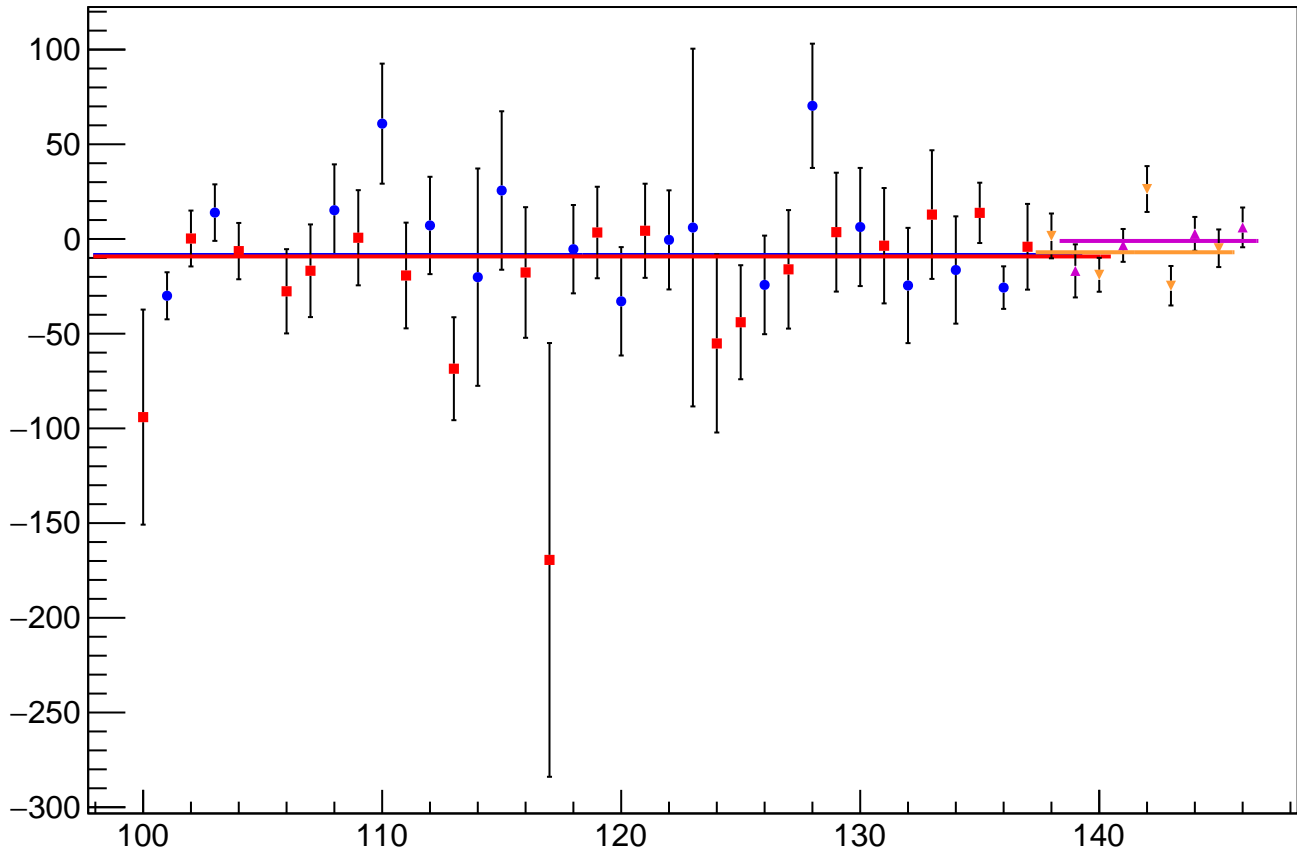
Right Out: 6725.745+/-1.828 χ^2/NDF : 675399.9/19

Left In: 6057.020+/-2.419 χ^2/NDF : 51082.4/3

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

6482.711+/-1.458 χ^2/NDF : 775120.1/23

diff_bpm1X_mean vs Slug



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

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

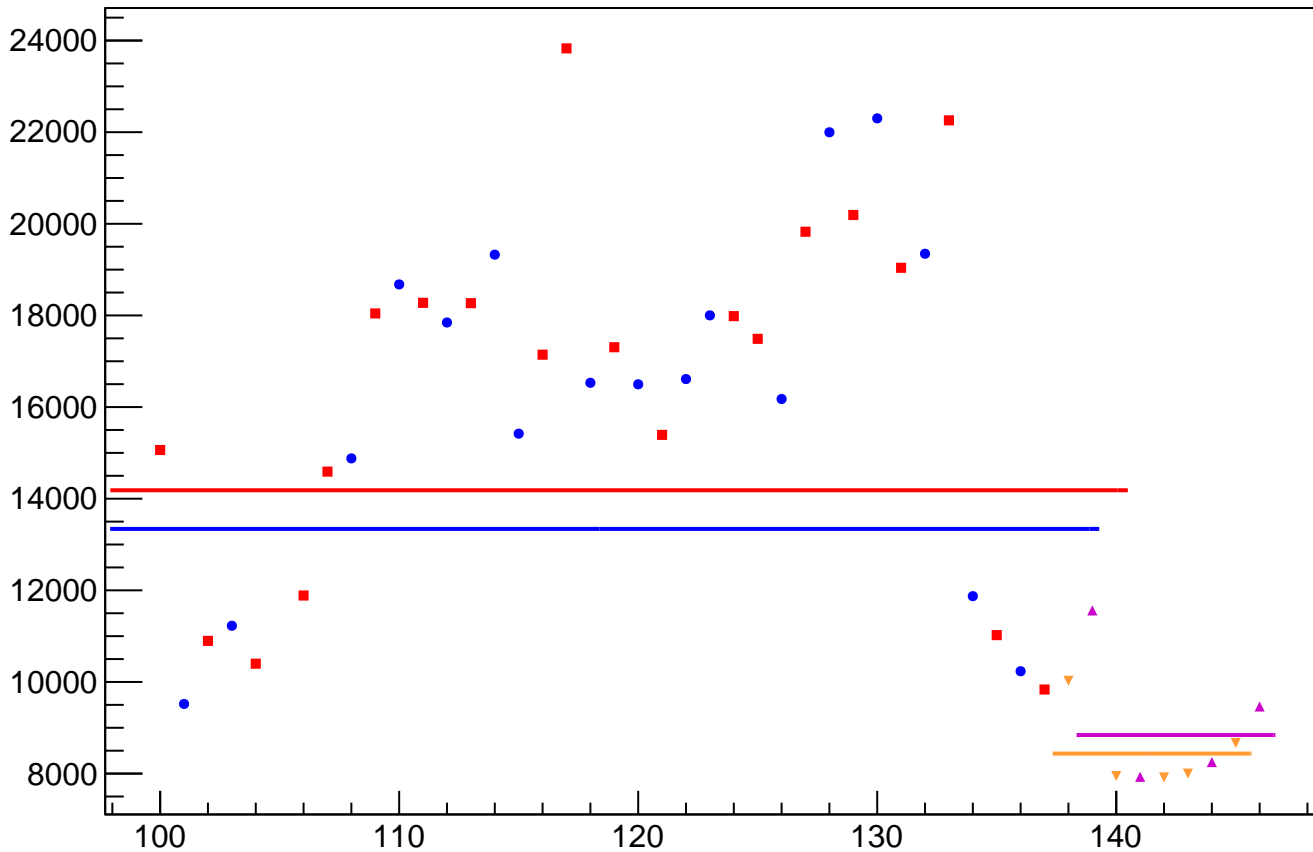
Right Out: -9.224 ± 5.502 $\chi^2/\text{NDF}: 16.2/19$

Left In: -1.038 ± 5.002 $\chi^2/\text{NDF}: 2.0/3$

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

-4.742 ± 3.701 $\chi^2/\text{NDF}: 19.4/23$

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

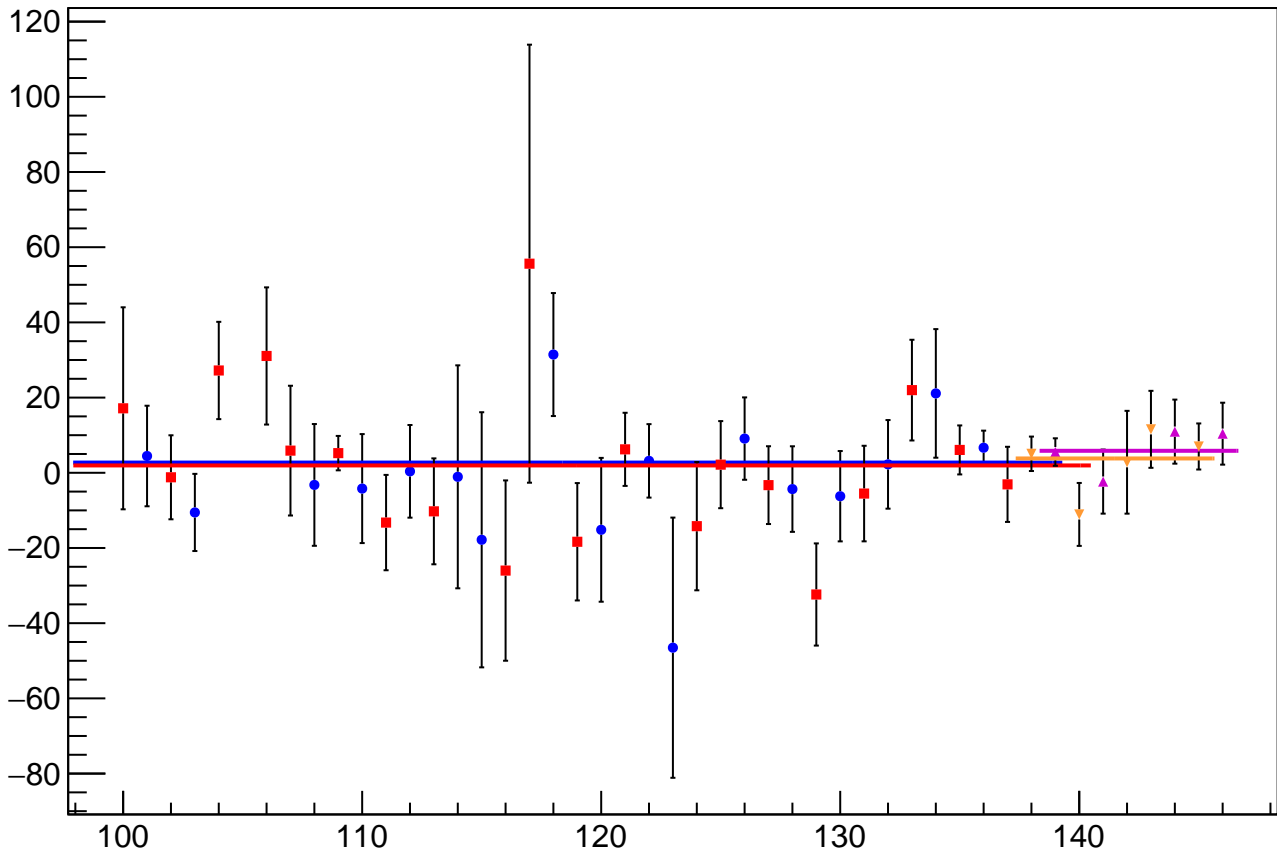
Right Out: 14184.146+/-3.891 χ^2 /NDF: 946010.4/19

Left In: 8841.609+/-3.537 χ^2 /NDF:113169.7/3

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

11259.170+/-2.617 χ^2 /NDF: 2091604.7/23

diff_bpm1Y_mean vs Slug



Right In: 2.717 ± 2.752 $\chi^2/\text{NDF}: 11.6/16$

Left Out: 3.811 ± 3.109 $\chi^2/\text{NDF}: 4.1/4$

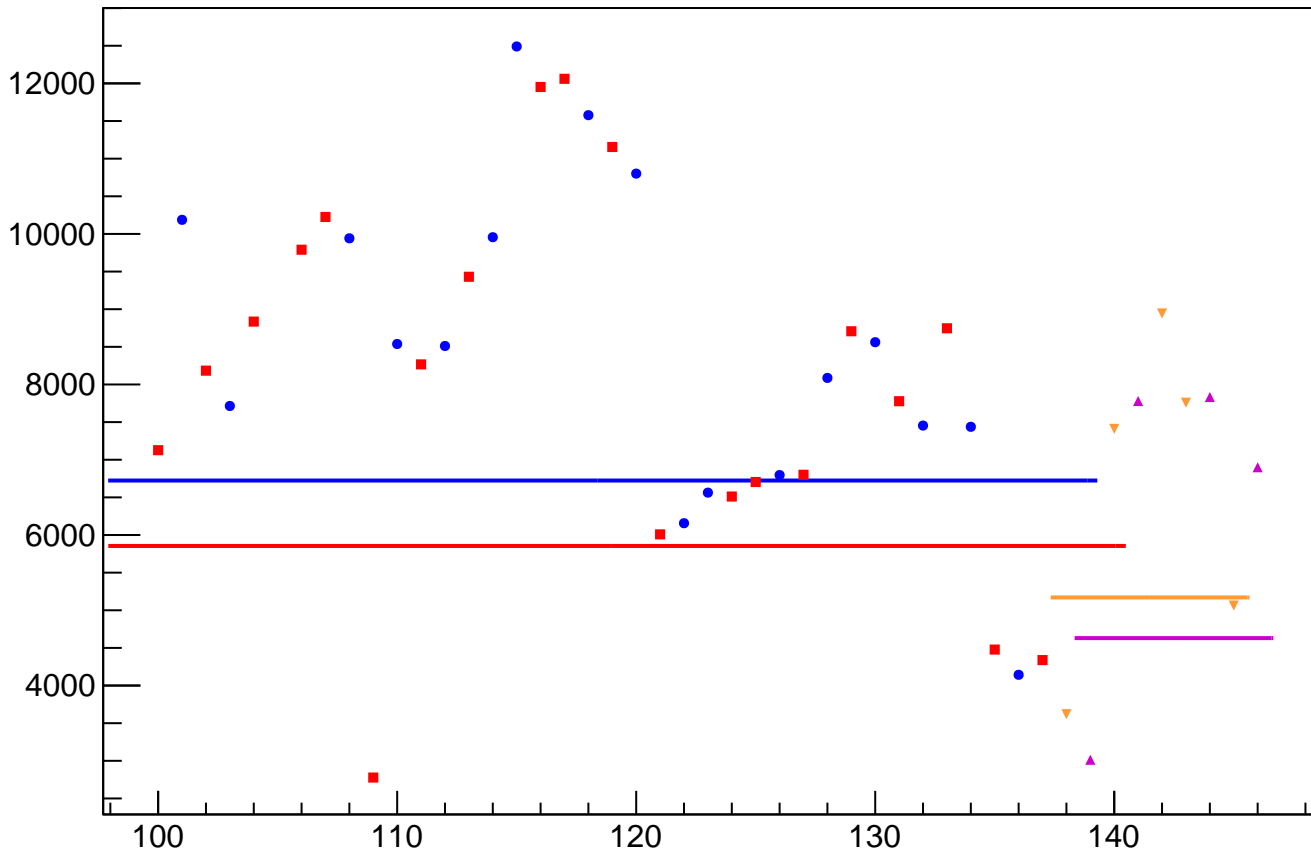
Right Out: 1.955 ± 2.437 $\chi^2/\text{NDF}: 24.4/19$

Left In: 5.848 ± 2.922 $\chi^2/\text{NDF}: 1.6/3$

3.198 ± 2.061 $\chi^2/\text{NDF}: 15.8/21$

3.552 ± 1.871 $\chi^2/\text{NDF}: 27.0/23$

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

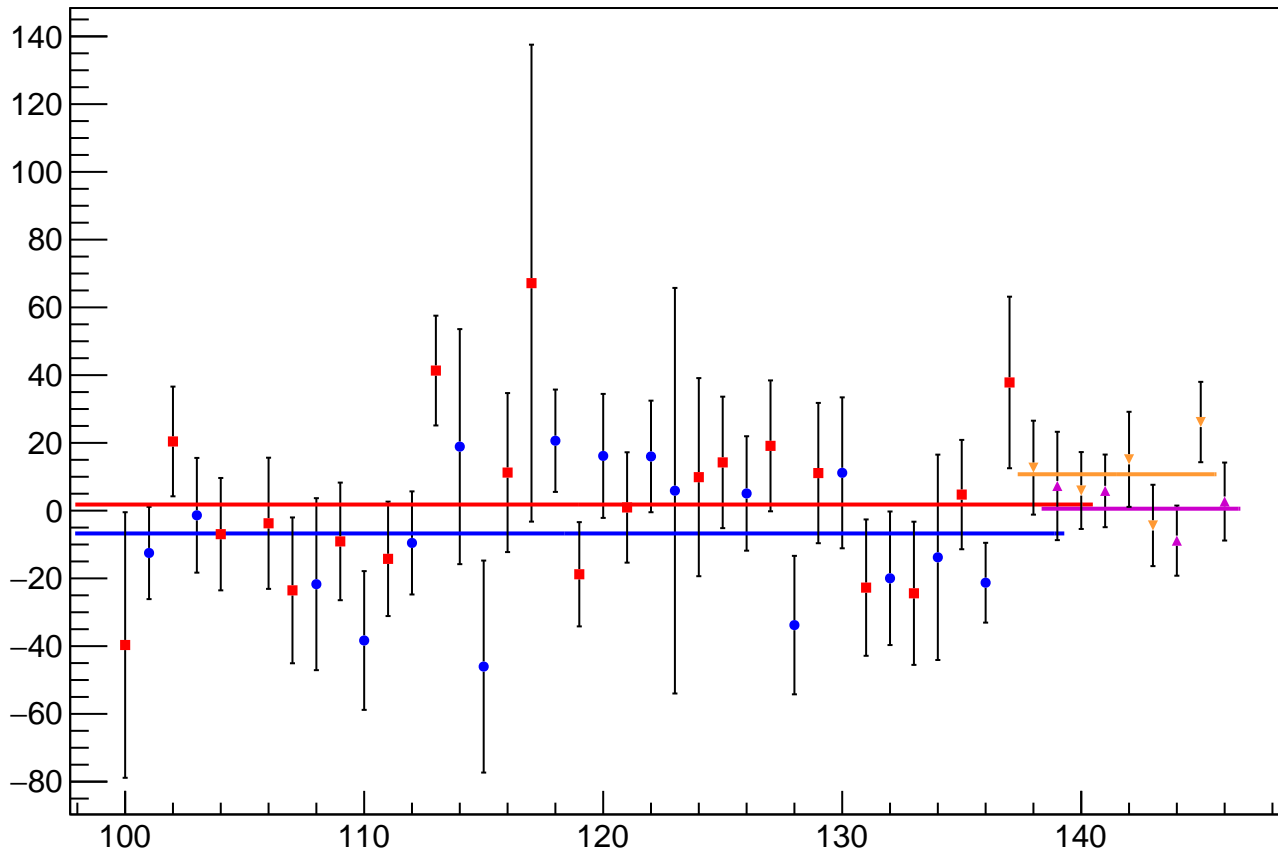
Right Out: 5854.708+/-1.723 χ^2 /NDF: 2299964.9/19

Left In: 4630.407+/-2.066 χ^2 /NDF:1098675.8/3

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

5352.497+/-1.323 χ^2 /NDF: 3605739.7/23

diff_bpm11X_mean vs Slug



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

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

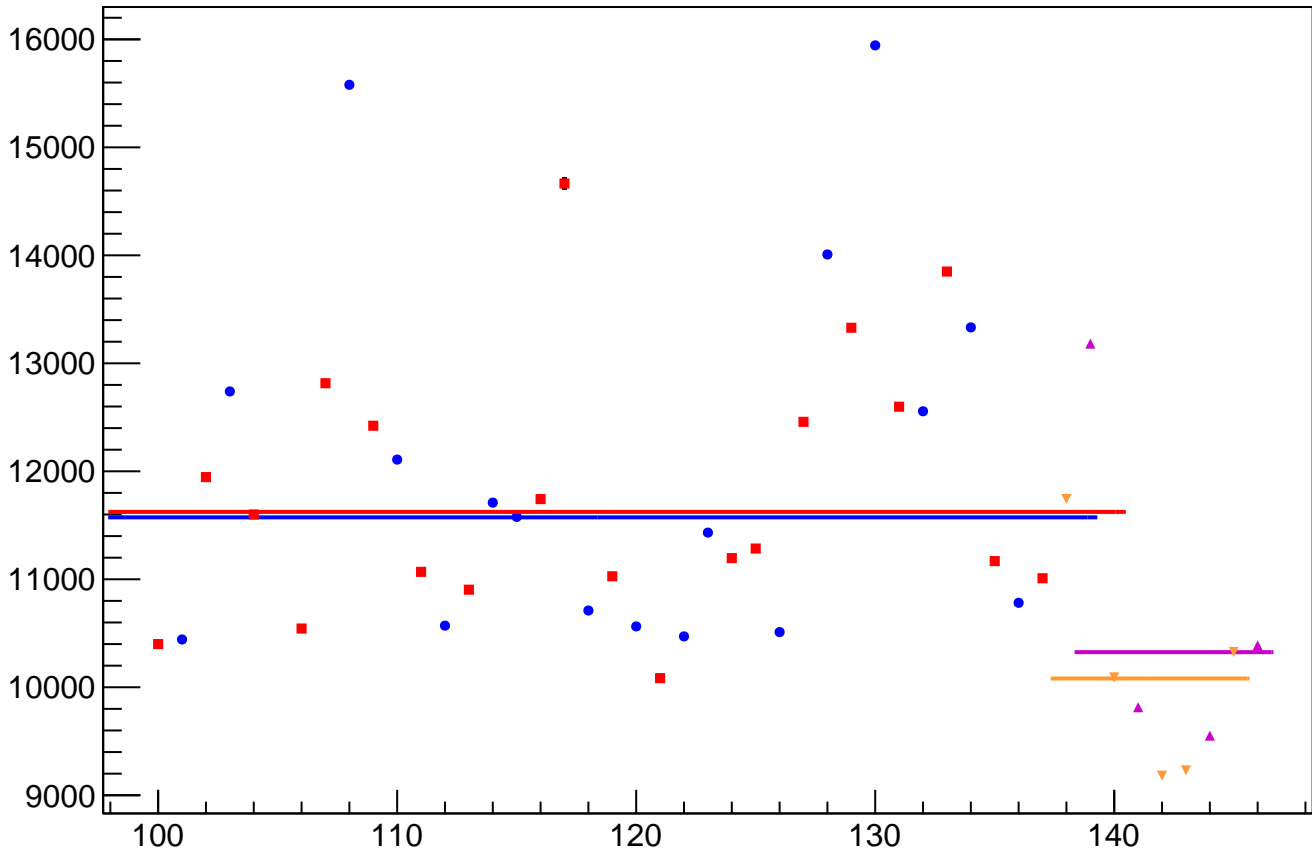
Right Out: 1.802 ± 4.364 $\chi^2/\text{NDF}: 20.8/19$

Left In: 0.569 ± 5.823 $\chi^2/\text{NDF}: 1.3/3$

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

1.358 ± 3.492 $\chi^2/\text{NDF}: 22.1/23$

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

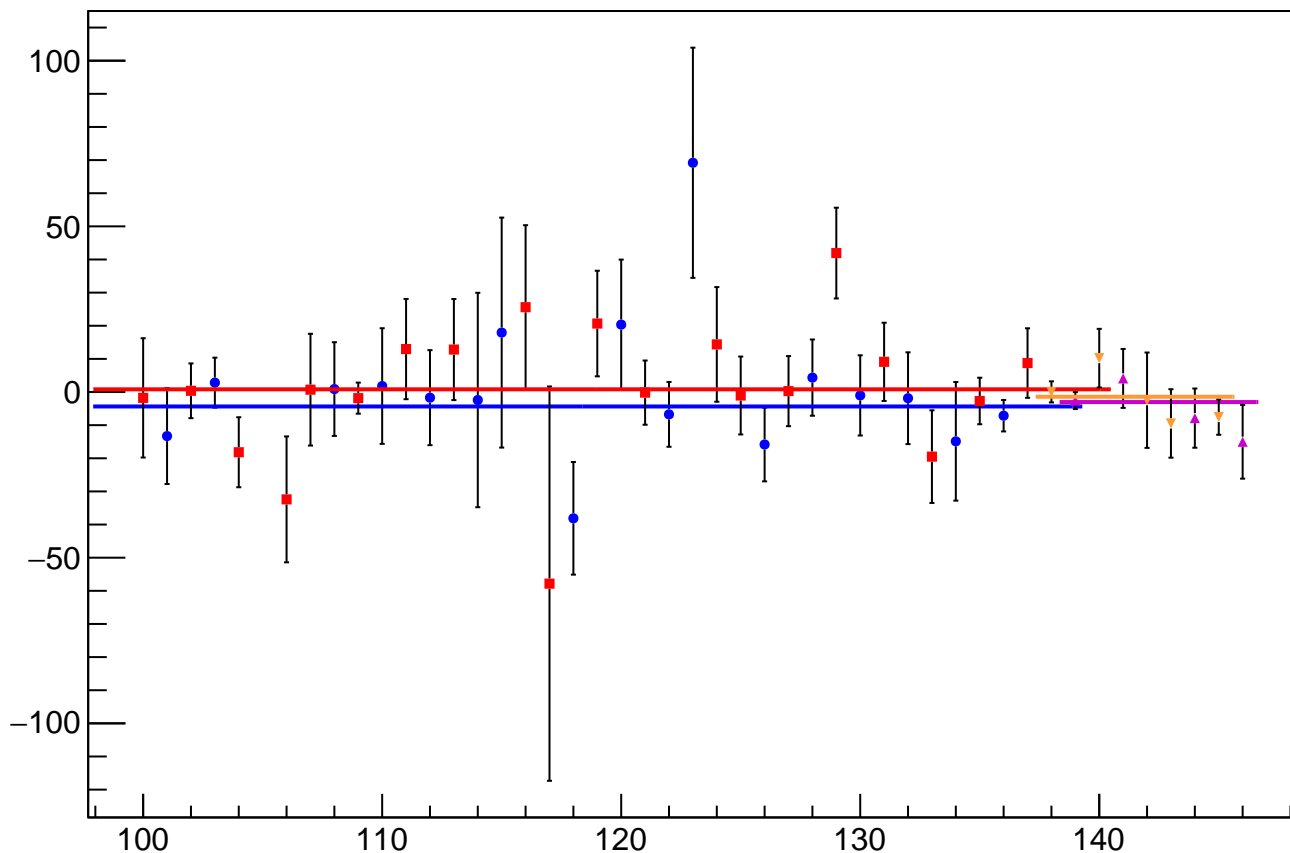
Right Out: 11623.951+/-3.086 χ^2/NDF : 98055.0/19

Left In: 10325.295+/-4.117 χ^2/NDF : 79581.5/3

10983.686+/-2.482 χ^2/NDF : 373052.0/21

11156.889+/-2.469 χ^2/NDF : 241336.4/23

diff_bpm11Y_mean vs Slug



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

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

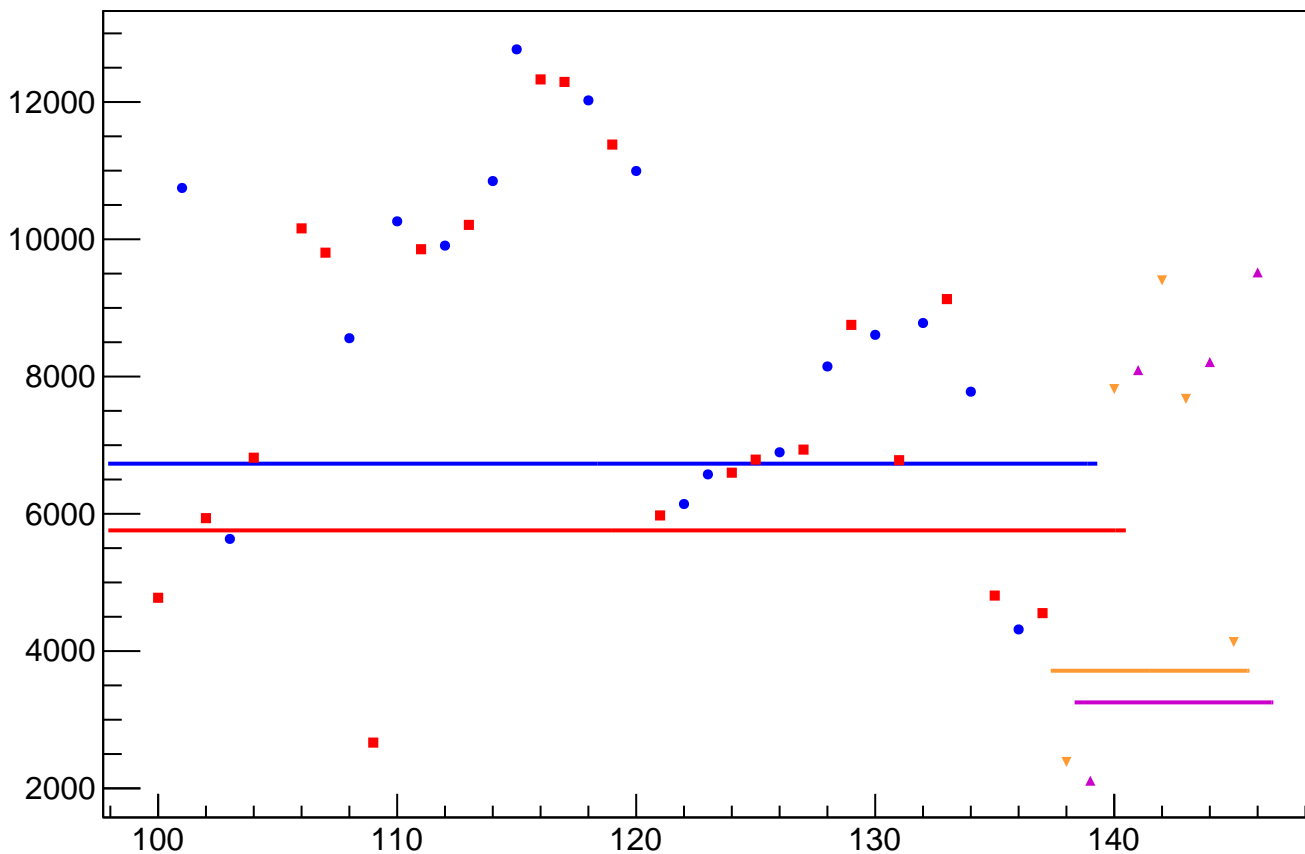
Left Out: -1.425 ± 2.493 $\chi^2/\text{NDF}: 3.9/4$

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

-1.189 ± 1.676 $\chi^2/\text{NDF}: 28.0/23$

Left In: -3.027 ± 2.321 $\chi^2/\text{NDF}: 2.1/3$

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

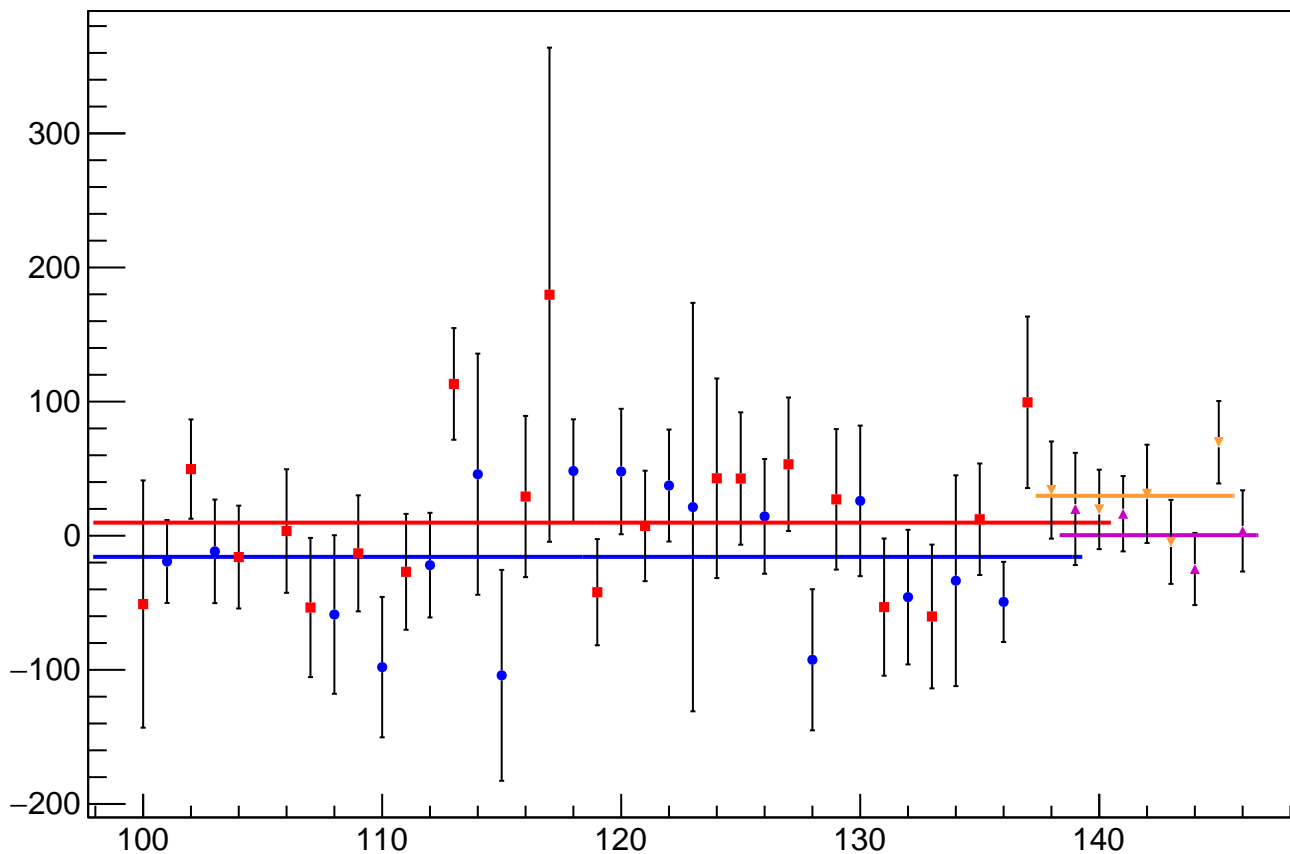
Right Out: 5758.506+/-1.714 χ^2/NDF : 2186395.0/19

Left In: 3252.514+/-1.641 χ^2/NDF :2239294.0/3

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

4450.841+/-1.185 χ^2/NDF : 5541046.0/23

diff_bpm12X_mean vs Slug



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

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

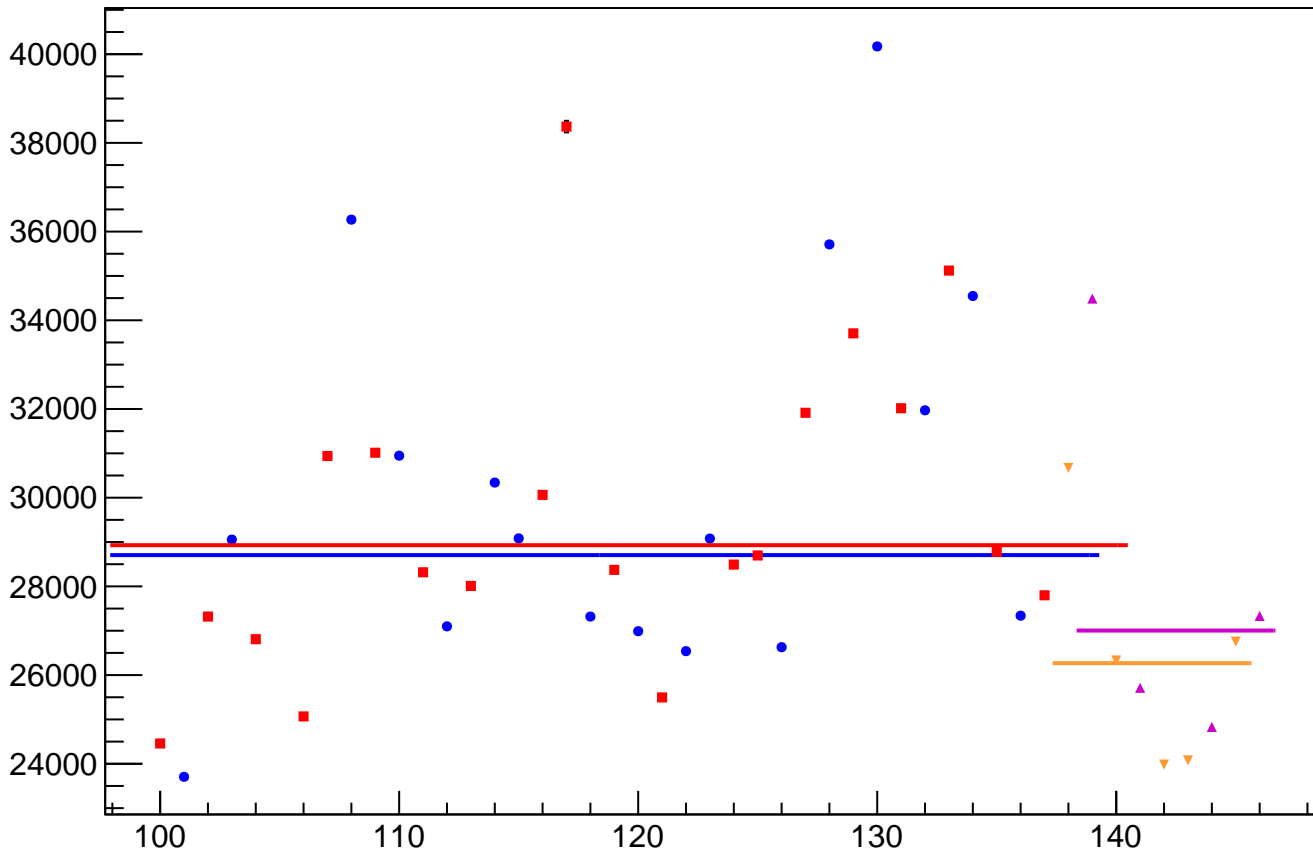
Right Out: 9.773 ± 10.870 $\chi^2/\text{NDF}: 20.1/19$

Left In: 0.426 ± 15.233 $\chi^2/\text{NDF}: 1.4/3$

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

6.619 ± 8.848 $\chi^2/\text{NDF}: 21.8/23$

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

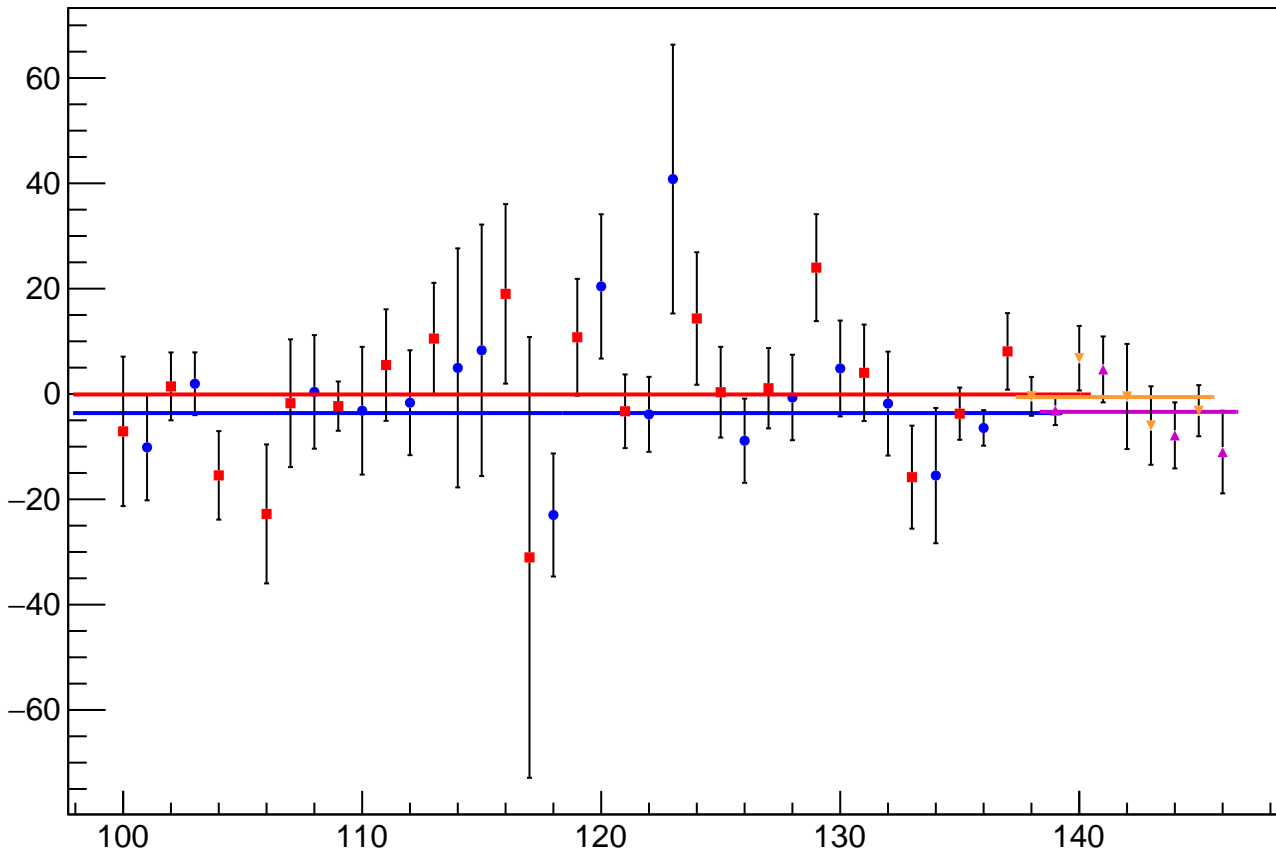
Right Out: 28928.520+/-7.686 χ^2 /NDF: 116482.4/19

Left In: 27004.140+/-10.772 χ^2 /NDF:81562.5/3

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

28279.239+/-6.257 χ^2 /NDF: 219193.4/23

diff_bpm12Y_mean vs Slug



Right In: -3.625 ± 2.006 $\chi^2/\text{NDF}: 13.7/16$

-2.387 ± 1.544 $\chi^2/\text{NDF}: 16.9/21$

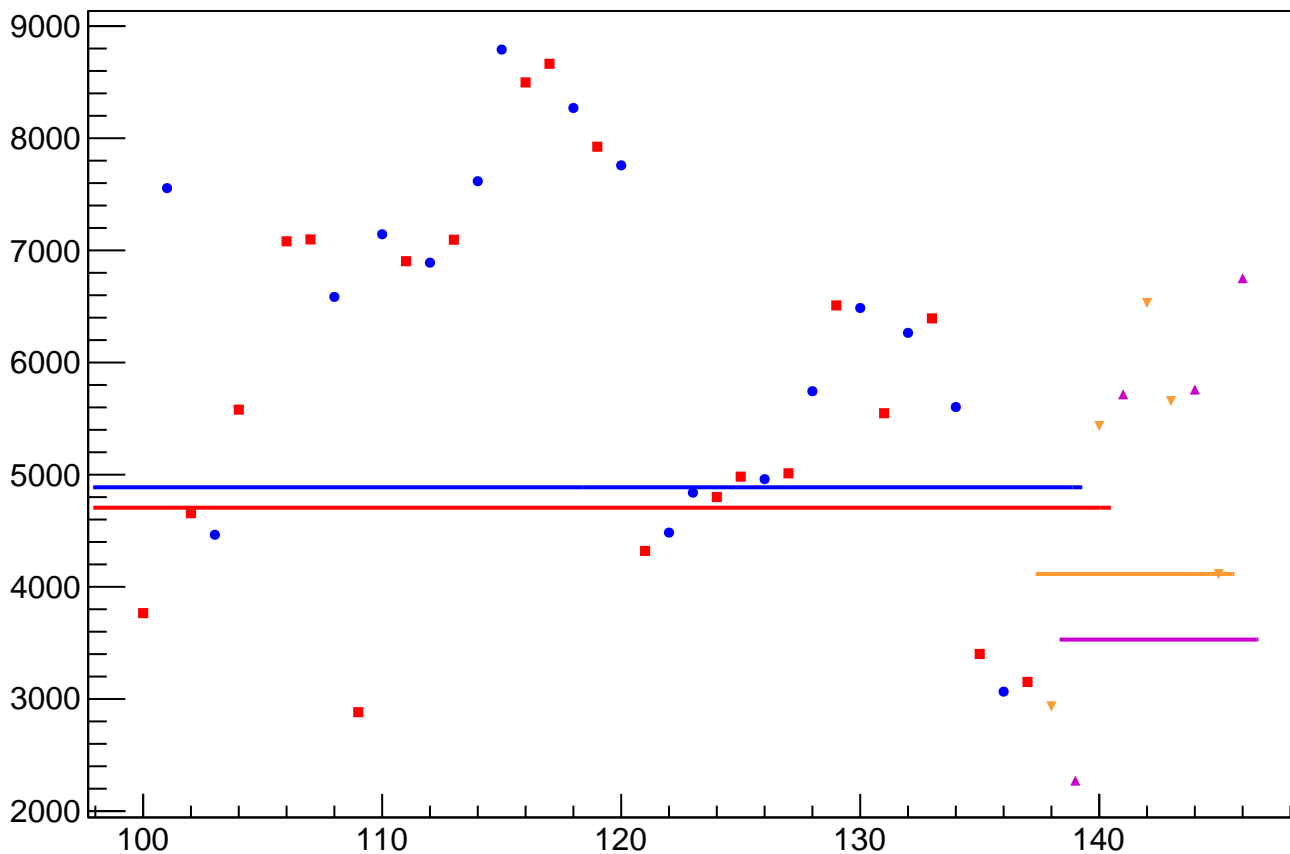
Left Out: -0.584 ± 2.420 $\chi^2/\text{NDF}: 2.3/4$

Right Out: -0.090 ± 1.888 $\chi^2/\text{NDF}: 22.6/19$

-1.458 ± 1.445 $\chi^2/\text{NDF}: 27.0/23$

Left In: -3.391 ± 2.245 $\chi^2/\text{NDF}: 3.1/3$

diff_bpm12Y_rms vs Slug



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

Left Out: 4114.570+/-1.711 χ^2 /NDF:500408.7/4

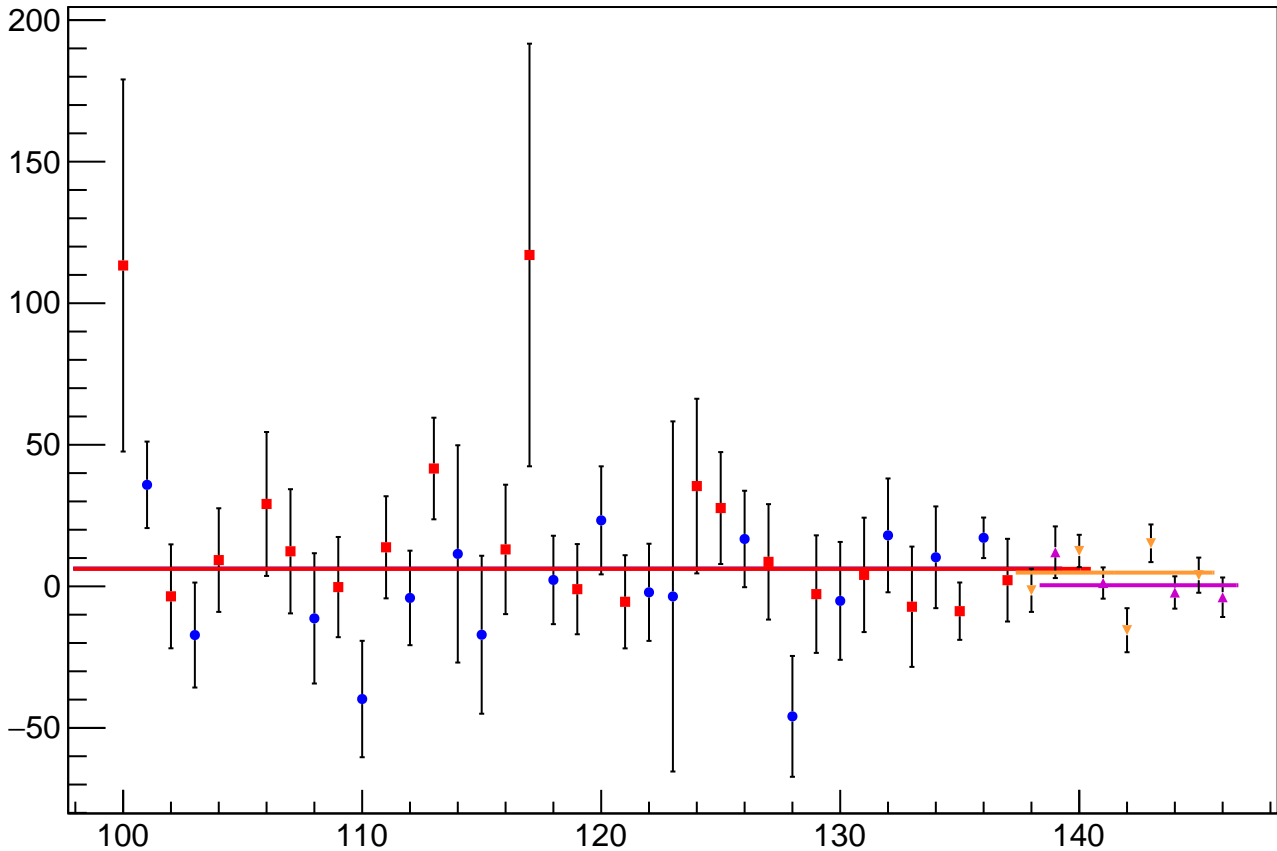
Right Out: 4705.797+/-1.335 χ^2 /NDF: 1331043.3/19

Left In: 3529.767+/-1.588 χ^2 /NDF:1249194.3/3

4572.709+/-1.092 χ^2 /NDF: 2030642.2/21

4218.701+/-1.022 χ^2 /NDF: 2901636.9/23

diff_bpm16X_mean vs Slug



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

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

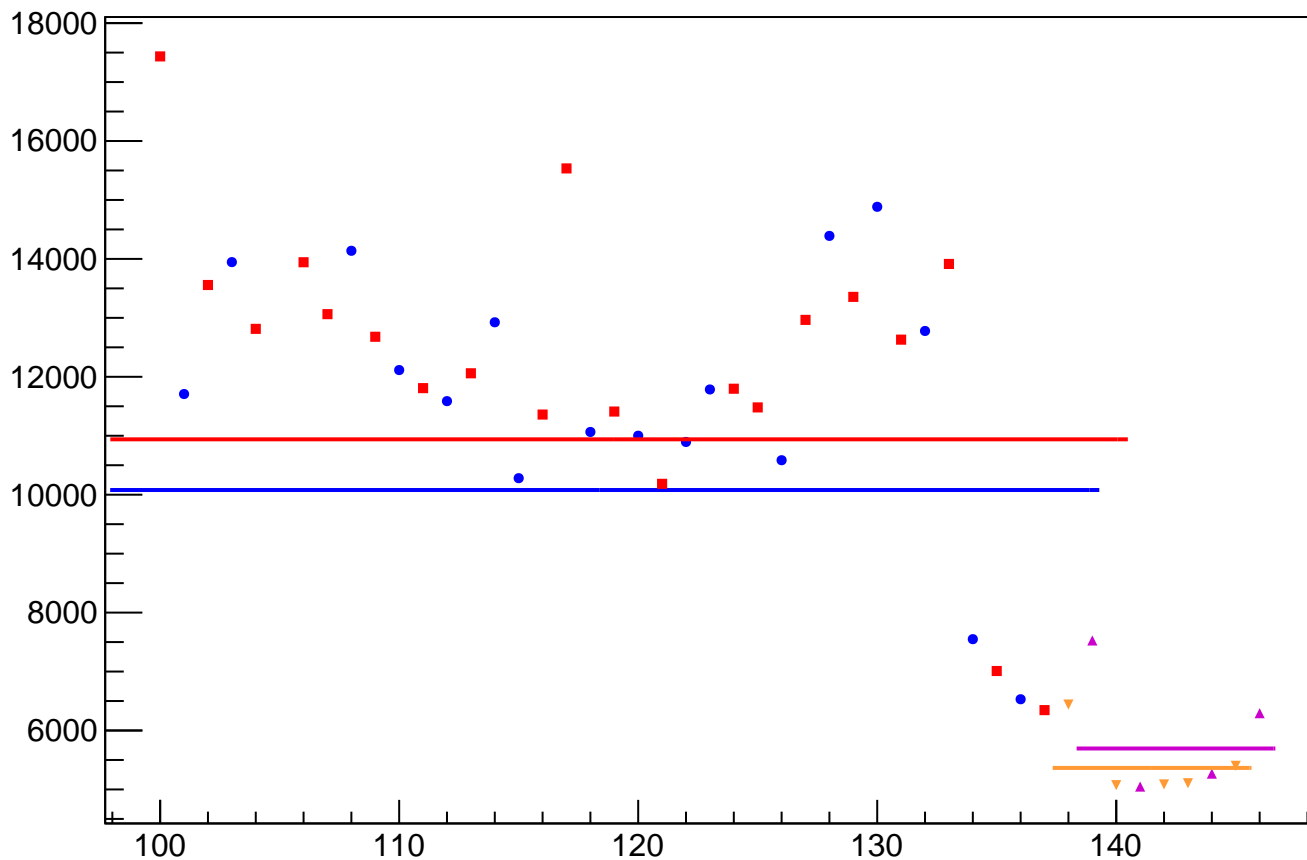
Left Out: 4.858 ± 2.975 $\chi^2/\text{NDF}: 11.8/4$

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

2.536 ± 2.562 $\chi^2/\text{NDF}: 19.4/23$

Left In: 0.396 ± 3.227 $\chi^2/\text{NDF}: 2.2/3$

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

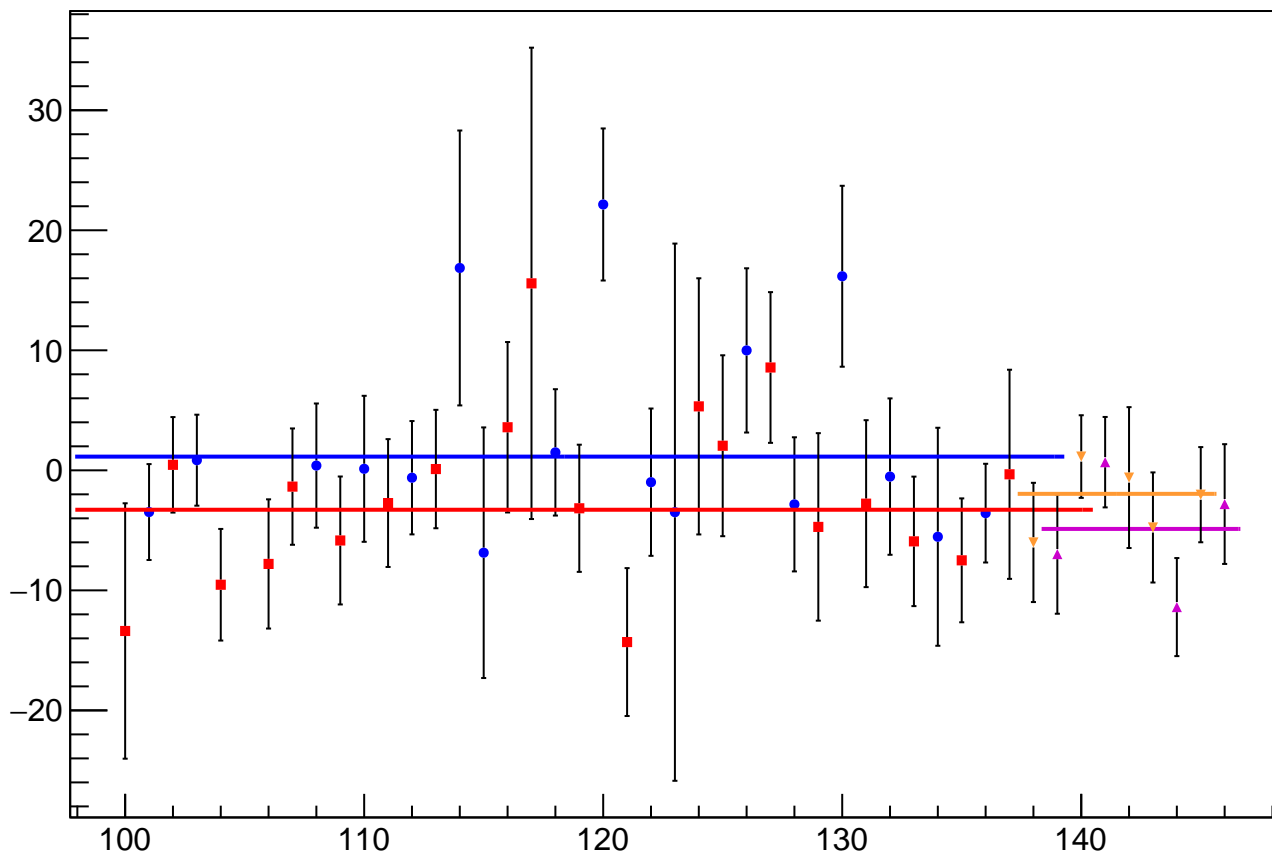
7010.256+/-1.698 χ^2 /NDF: 2797469.8/21

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

Left In: 5694.722+/-2.282 χ^2 /NDF:133914.2/3

7634.452+/-1.811 χ^2 /NDF: 2863523.0/23

diff_bpm16Y_mean vs Slug



Right In: 1.142 ± 1.395 $\chi^2/\text{NDF}: 23.2/16$

Left Out: -1.959 ± 1.942 $\chi^2/\text{NDF}: 1.9/4$

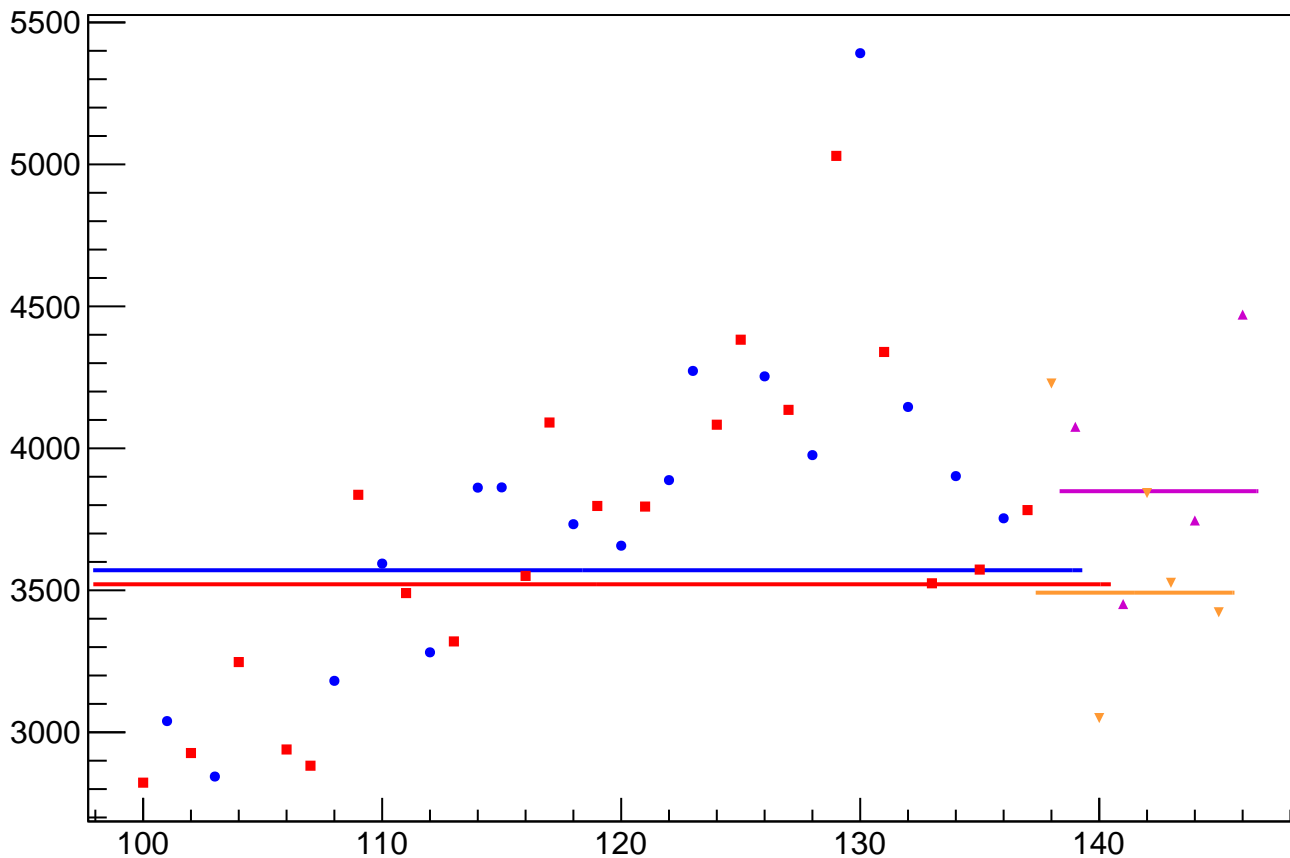
Right Out: -3.284 ± 1.330 $\chi^2/\text{NDF}: 16.0/19$

Left In: -4.882 ± 2.177 $\chi^2/\text{NDF}: 5.1/3$

0.087 ± 1.133 $\chi^2/\text{NDF}: 26.8/21$

-3.718 ± 1.135 $\chi^2/\text{NDF}: 21.5/23$

diff_bpm16Y_rms vs Slug



Right In: 3570.707 ± 0.987 $\chi^2/\text{NDF}: 309568.0/16$

Left Out: 3491.743 ± 1.373 $\chi^2/\text{NDF}: 84789.6/4$

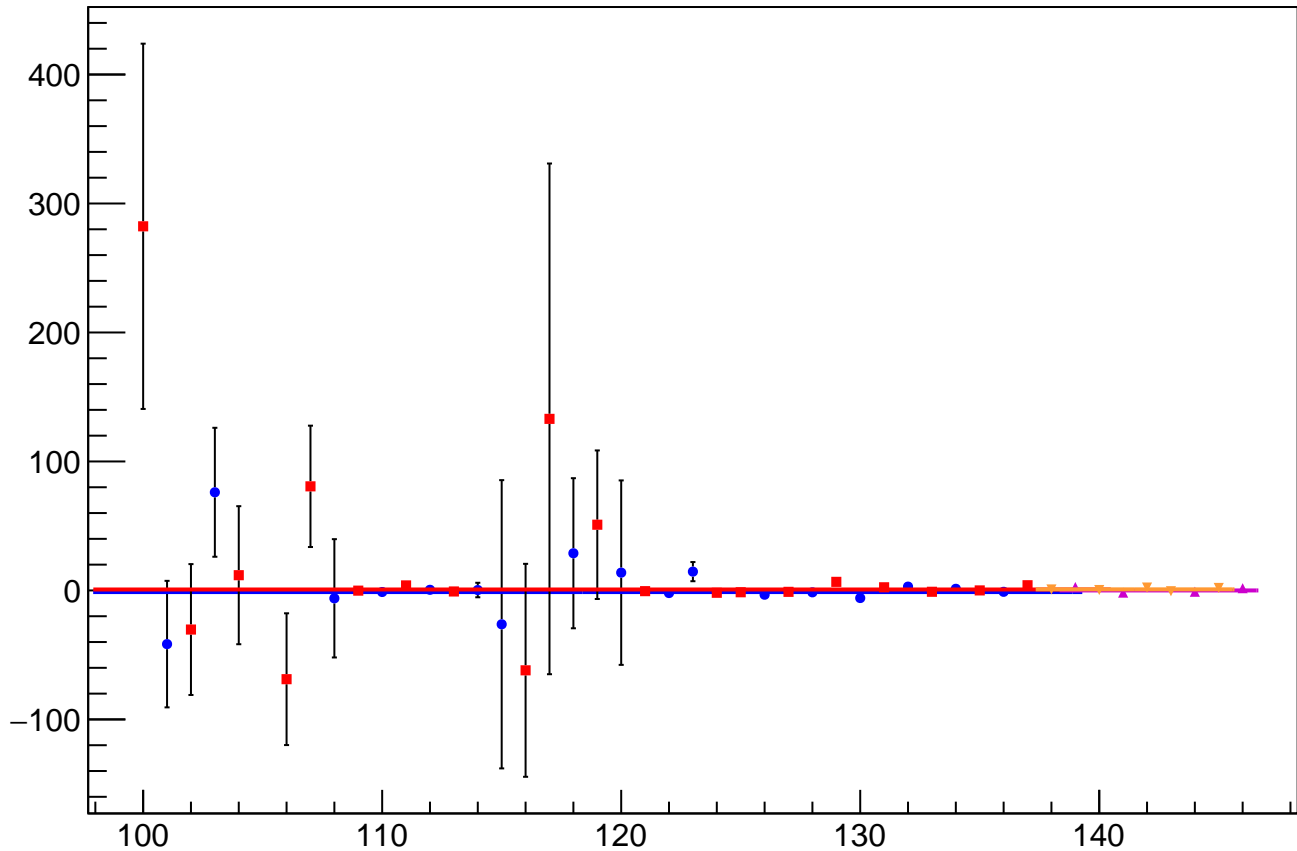
Right Out: 3521.247 ± 0.941 $\chi^2/\text{NDF}: 294919.2/19$

Left In: 3849.085 ± 1.539 $\chi^2/\text{NDF}: 58788.0/3$

3543.825 ± 0.801 $\chi^2/\text{NDF}: 396538.5/21$

3610.379 ± 0.803 $\chi^2/\text{NDF}: 386741.2/23$

diff_bpm1p02bX_mean vs Slug



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

Left Out: 0.838 ± 0.564 $\chi^2/\text{NDF}: 3.4/4$

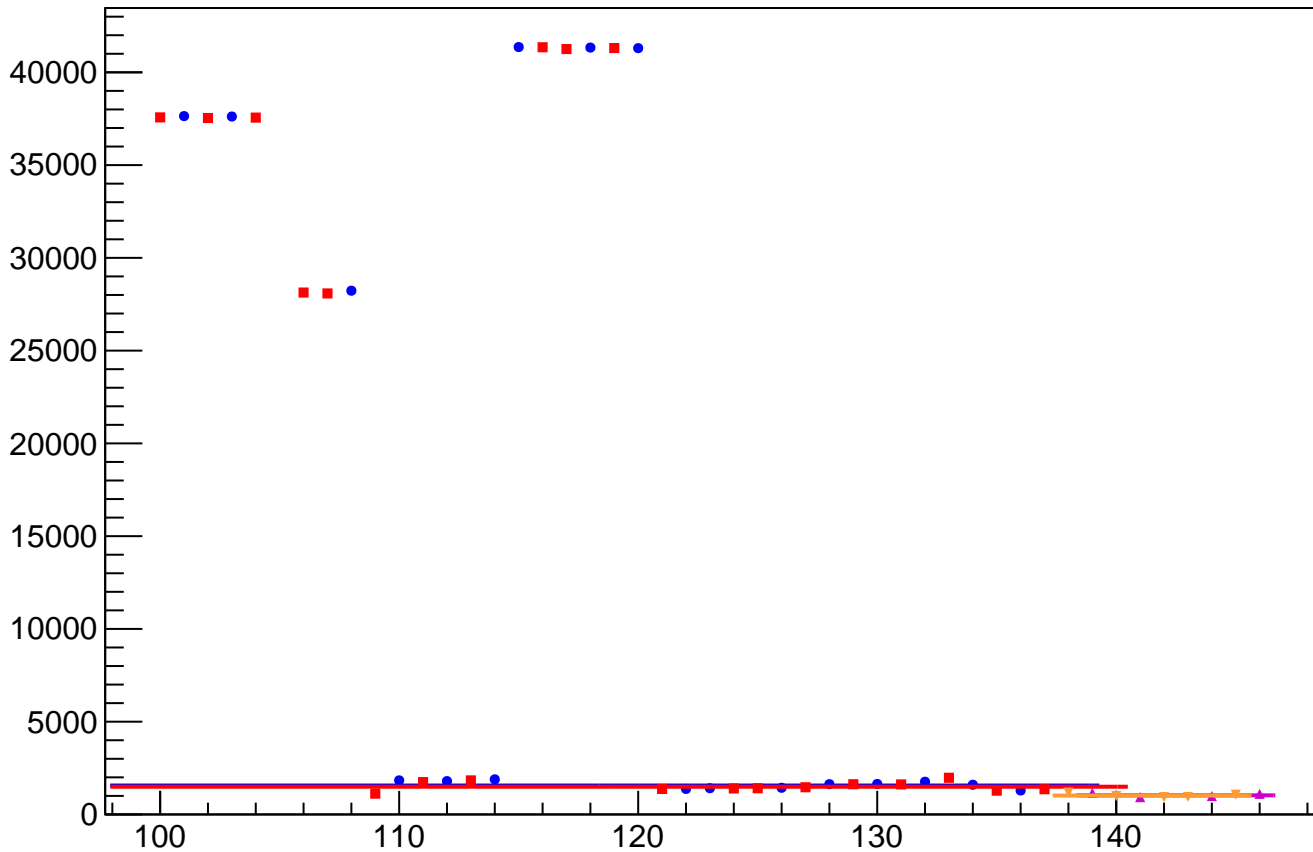
Right Out: 0.735 ± 0.710 $\chi^2/\text{NDF}: 22.5/19$

Left In: -0.003 ± 0.581 $\chi^2/\text{NDF}: 9.1/3$

0.078 ± 0.450 $\chi^2/\text{NDF}: 24.7/21$

0.293 ± 0.450 $\chi^2/\text{NDF}: 32.3/23$

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

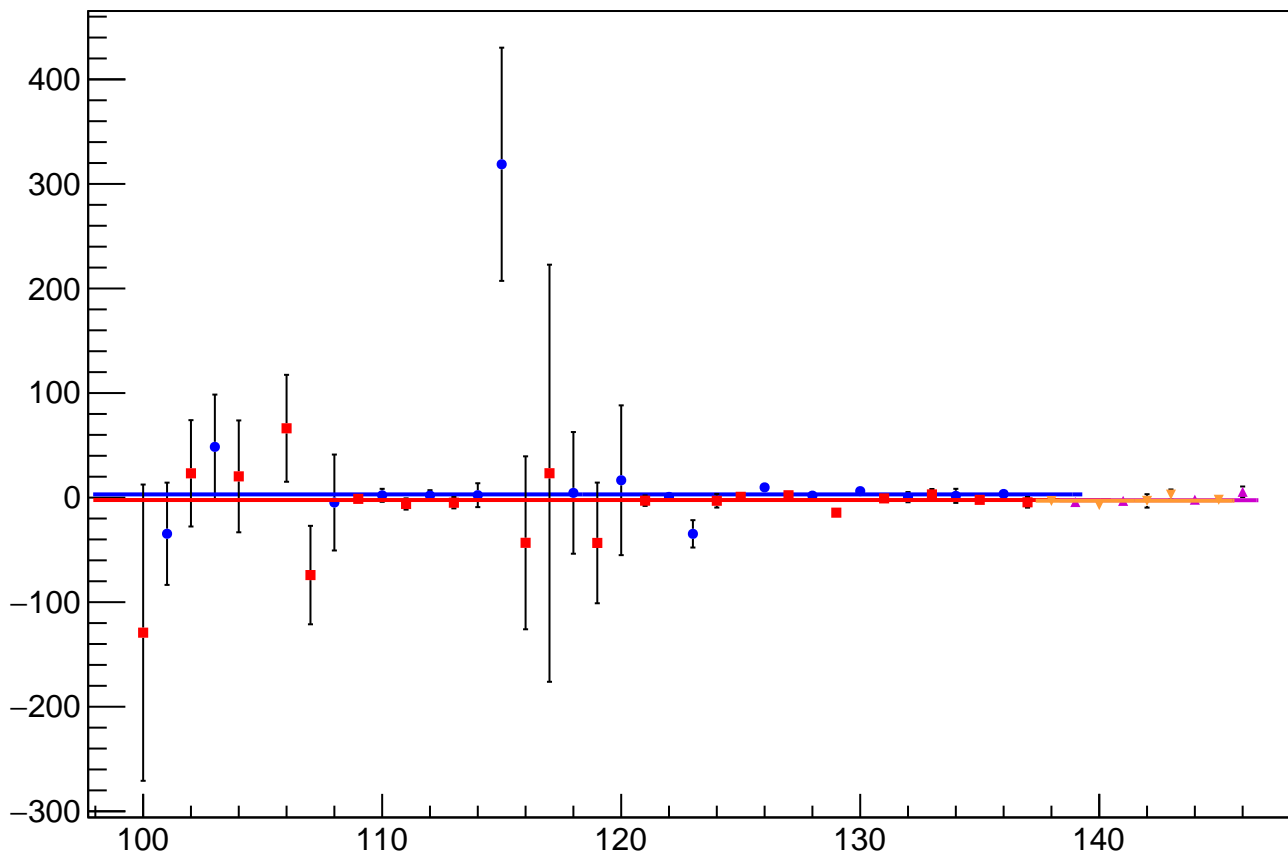
1214.586+/-0.318 χ^2 /NDF: 5464631.5/21

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

1216.403+/-0.318 χ^2 /NDF: 5534648.4/23

Left In: 1030.103+/-0.411 χ^2 /NDF:47229.6/3

diff_bpm1p02bY_mean vs Slug



Right In: 3.075 ± 1.323 $\chi^2/\text{NDF}: 21.9/16$

Left Out: -2.948 ± 1.583 $\chi^2/\text{NDF}: 2.5/4$

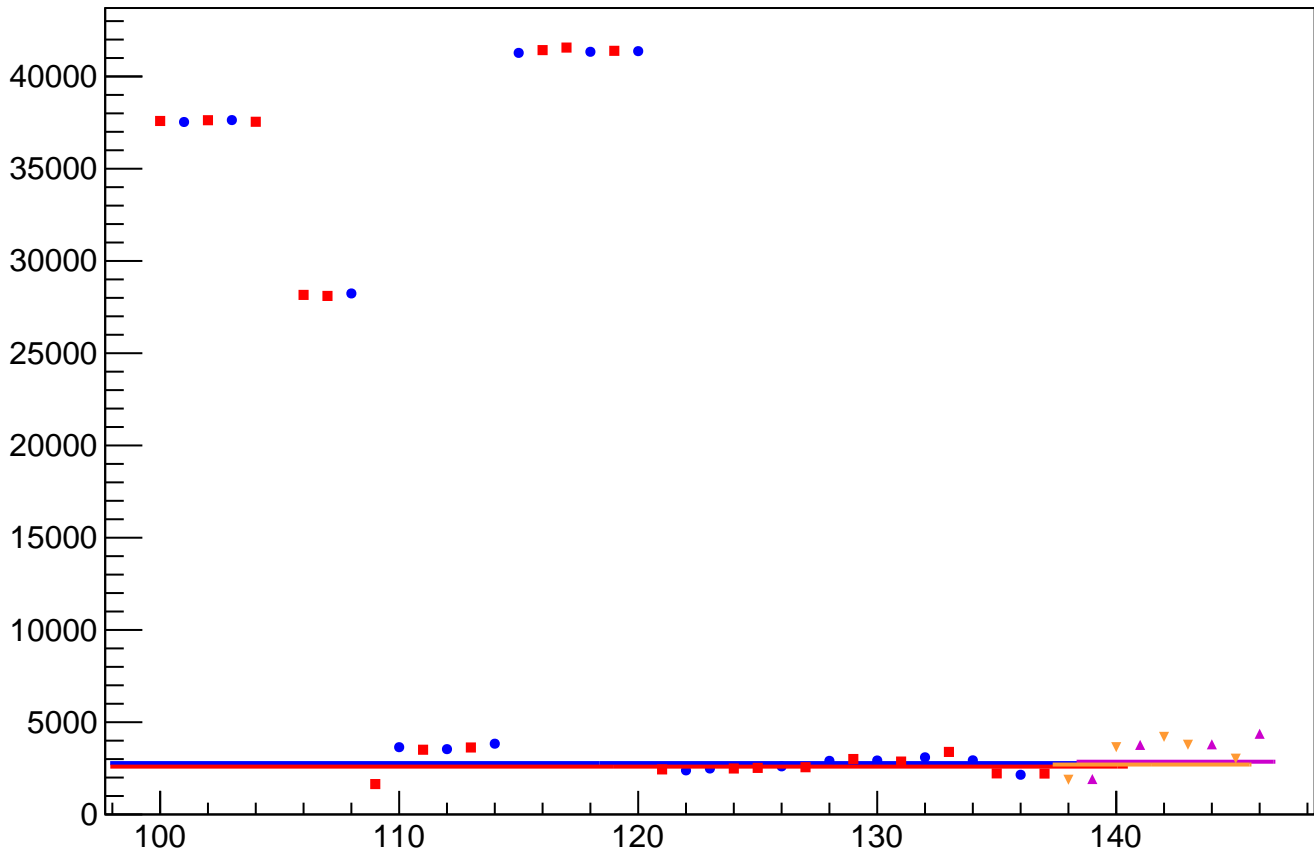
Right Out: -2.305 ± 1.235 $\chi^2/\text{NDF}: 16.9/19$

Left In: -2.493 ± 1.729 $\chi^2/\text{NDF}: 3.1/3$

0.598 ± 1.015 $\chi^2/\text{NDF}: 32.9/21$

-2.368 ± 1.005 $\chi^2/\text{NDF}: 20.0/23$

diff_bpm1p02bY_rms vs Slug



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

Left Out: 2705.552+/-1.120 χ^2 /NDF: 590090.4/4

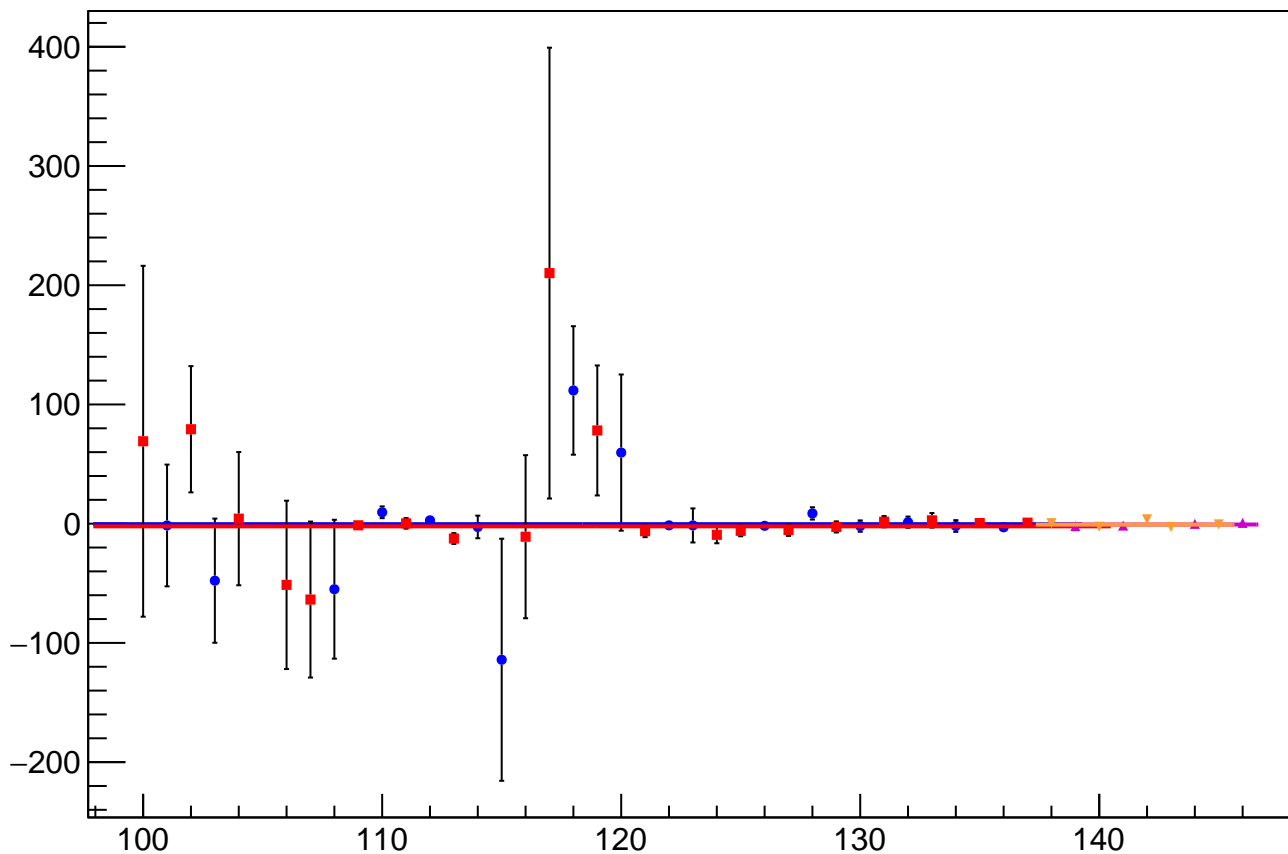
2751.737+/-0.718 χ^2 /NDF: 5170404.2/21

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

2682.386+/-0.710 χ^2 /NDF: 5648498.0/23

Left In: 2858.322+/-1.222 χ^2 /NDF: 694135.7/3

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

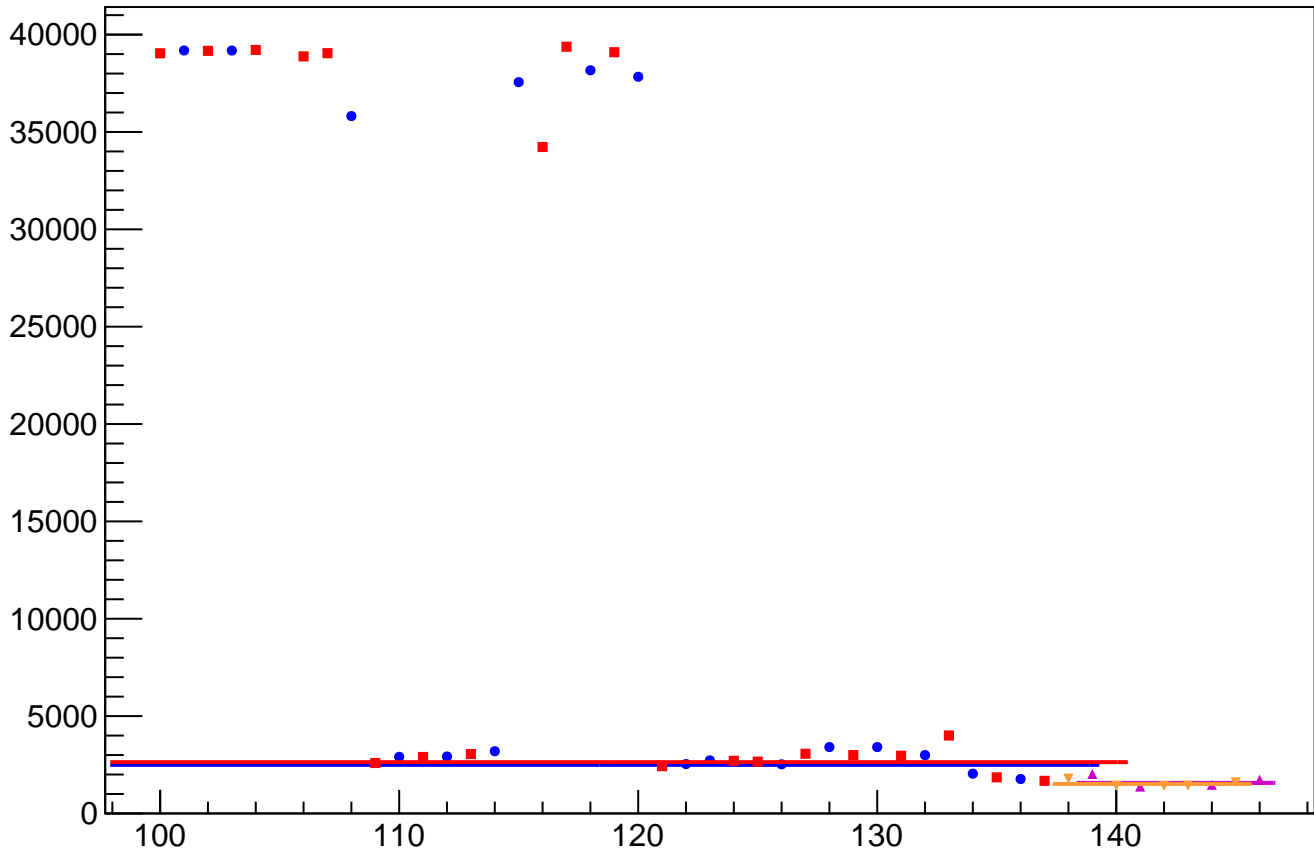
Right Out: -2.235 ± 1.246 χ^2/NDF : 18.7/19

Left In: -0.696 ± 0.889 χ^2/NDF : 1.3/3

-0.645 ± 0.691 χ^2/NDF : 25.1/21

-1.216 ± 0.724 χ^2/NDF : 21.0/23

diff_bpm1p03aX_rms vs Slug



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

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

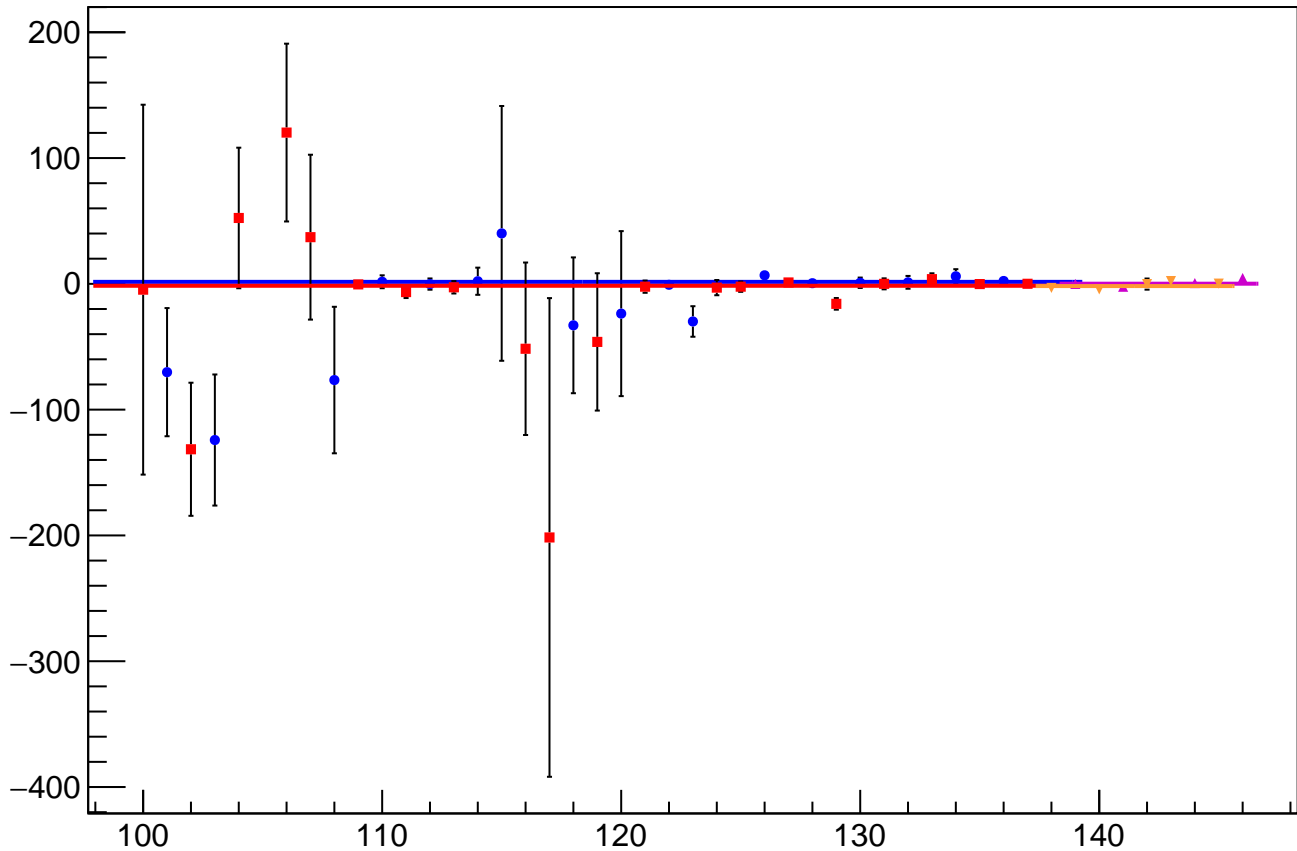
Left Out: 1517.437+/-0.594 χ^2 /NDF: 51987.2/4

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

1928.721+/-0.512 χ^2 /NDF: 6029670.5/23

Left In: 1568.838+/-0.629 χ^2 /NDF: 123785.0/3

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

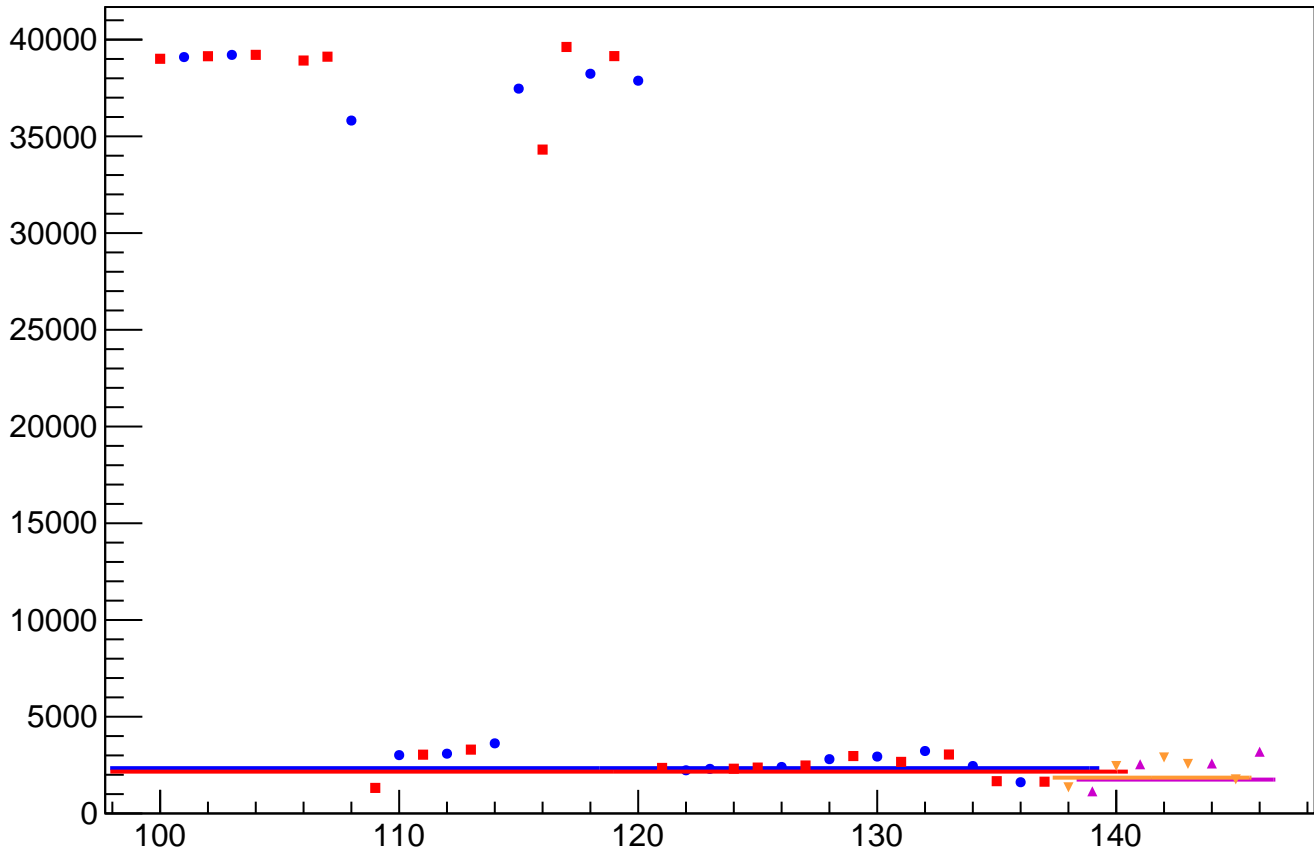
Right Out: -1.530 \pm 1.062 χ^2 /NDF: 26.1/19

Left In: 0.118 \pm 1.087 χ^2 /NDF: 2.3/3

-0.169 \pm 0.790 χ^2 /NDF: 28.8/21

-0.725 \pm 0.760 χ^2 /NDF: 29.7/23

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

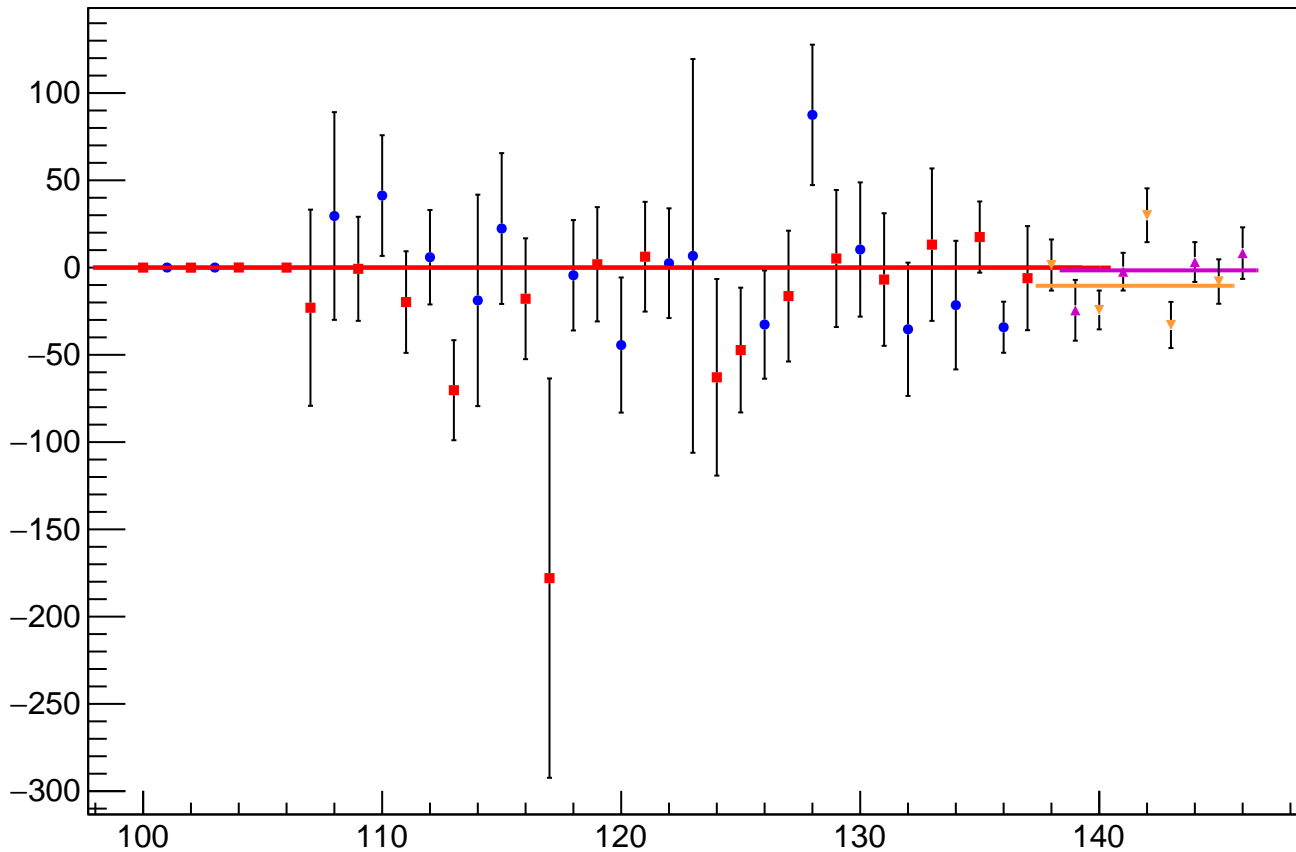
Right Out: 2162.329+/-0.751 χ^2 /NDF: 5376569.5/19

Left In: 1750.217+/-0.768 χ^2 /NDF: 1024389.0/3

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

1960.954+/-0.537 χ^2 /NDF: 6548087.5/23

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

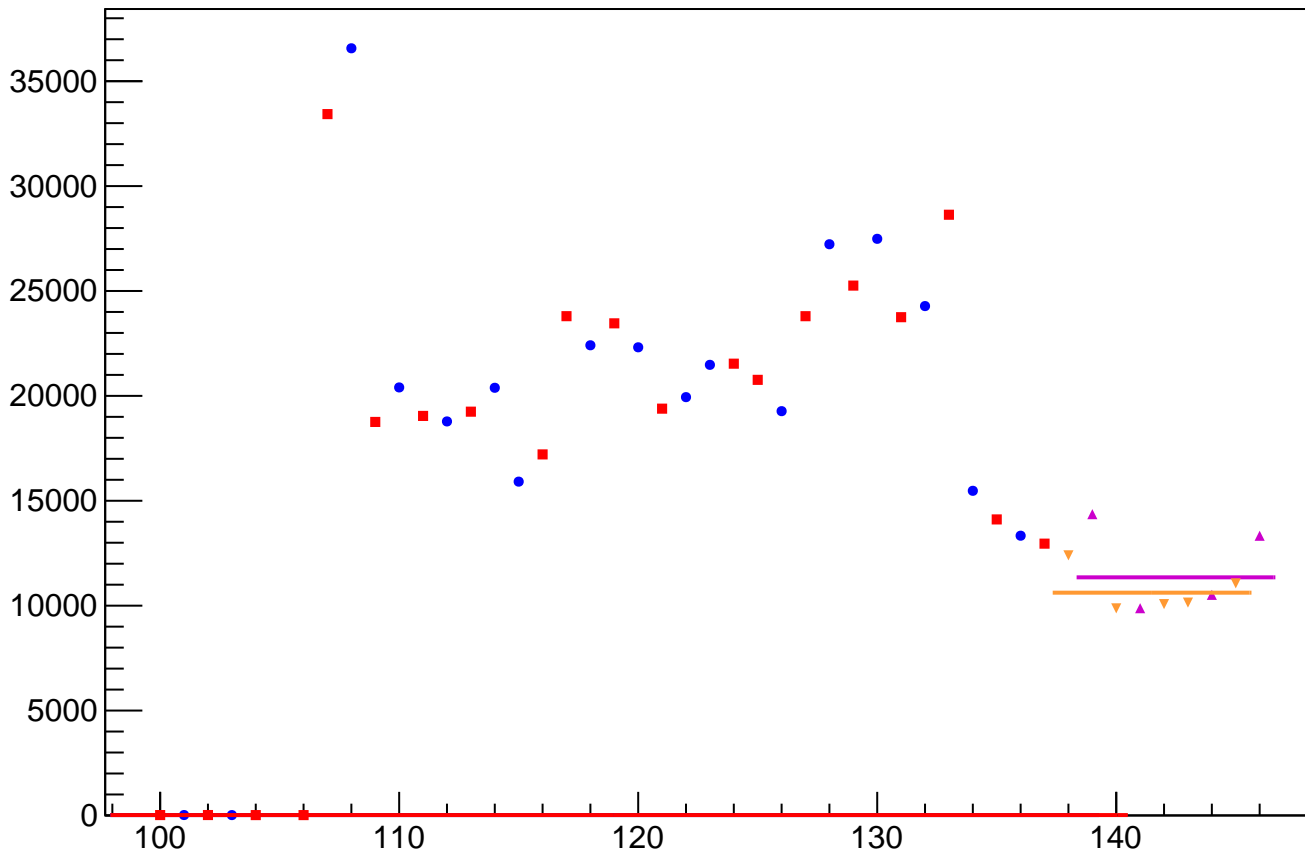
Right Out: 0.003+/-0.016 χ^2 /NDF: 18.3/19

Left In: -1.598+/-6.438 χ^2 /NDF:2.4/3

0.013+/-0.017 χ^2 /NDF: 31.3/21

0.003+/-0.016 χ^2 /NDF: 20.7/23

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

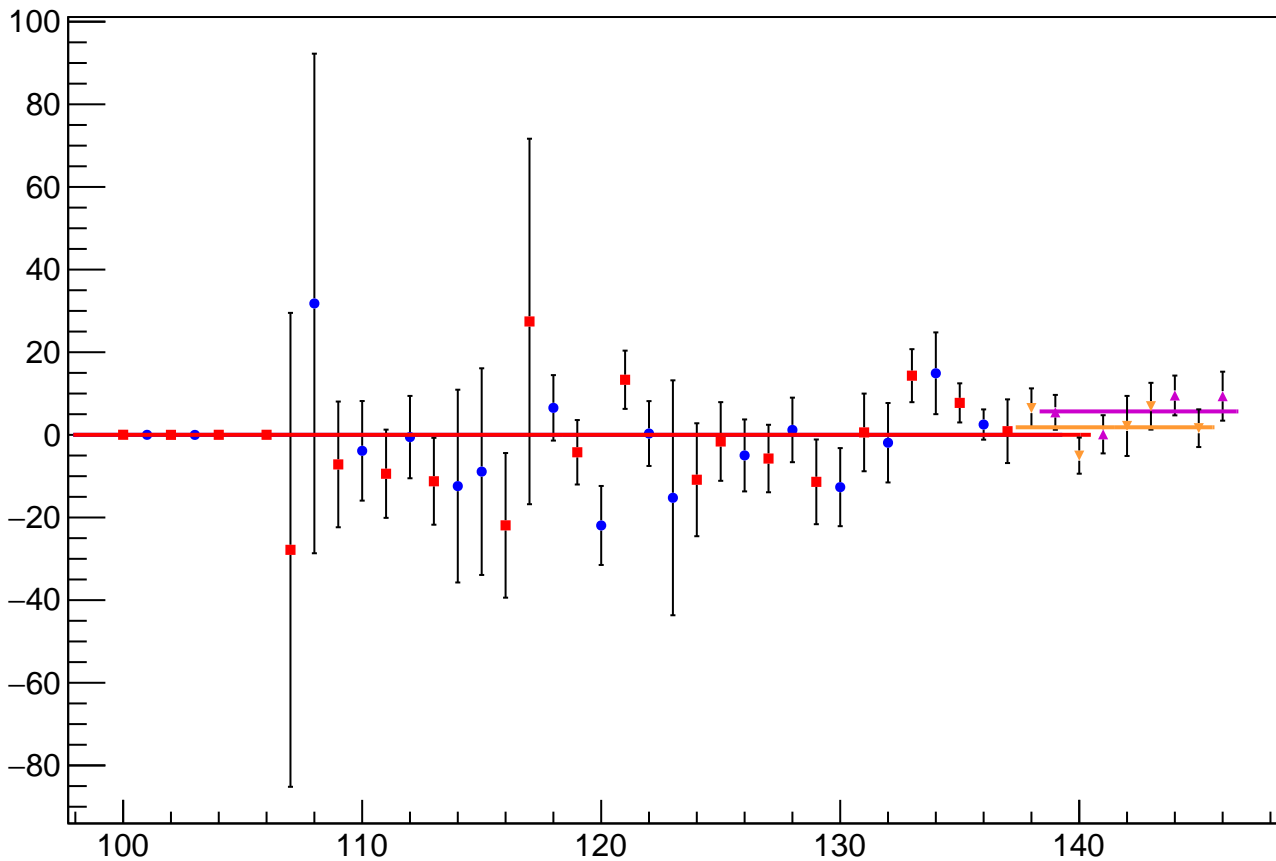
Right Out: 18.312+/-0.011 χ^2 /NDF: 11197081.8/19

Left In: 11350.045+/-4.552 χ^2 /NDF:143561.7/3

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

18.383+/-0.011 χ^2 /NDF: 17536771.3/23

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

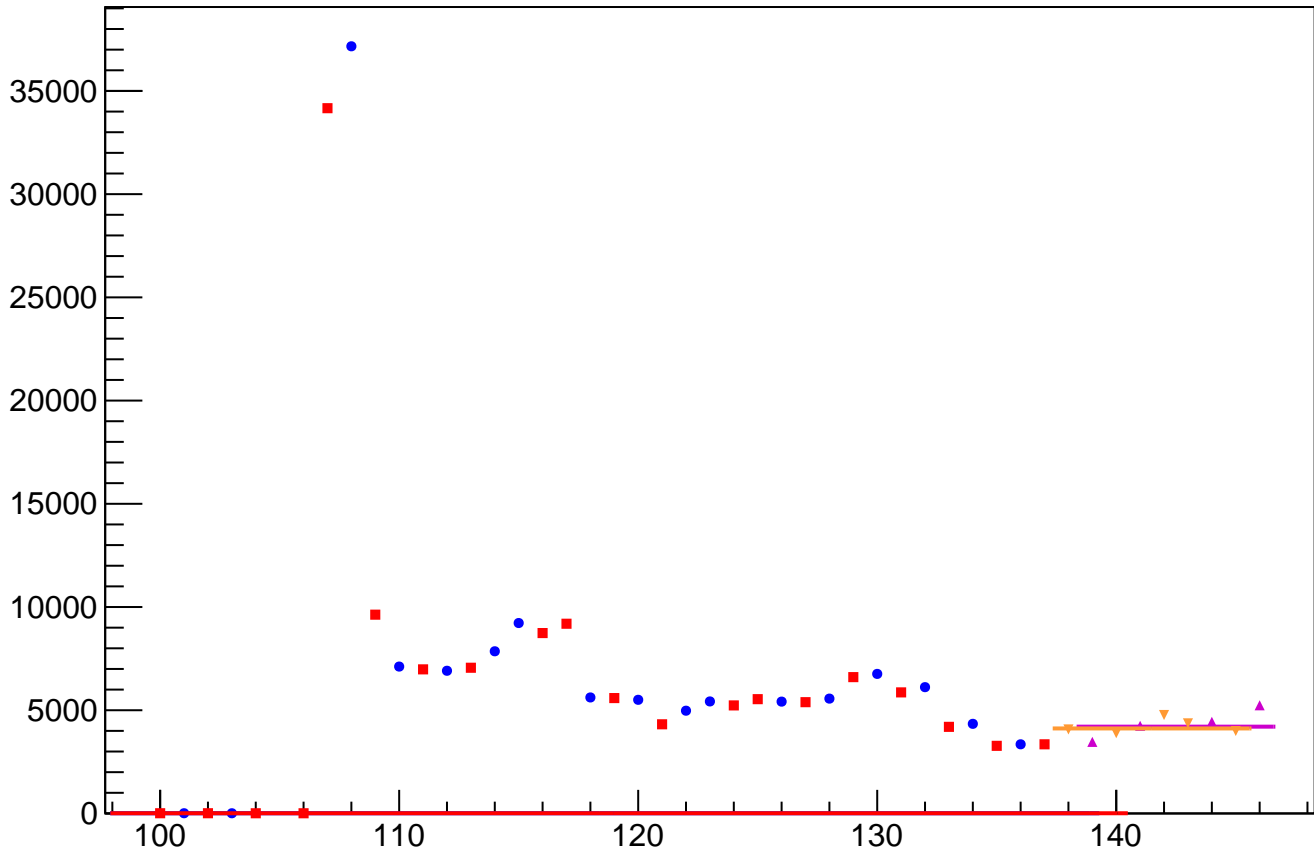
Right Out: 0.014+/-0.009 χ^2 /NDF: 19.0/19

Left In: 5.674+/-2.393 χ^2 /NDF:2.5/3

0.001+/-0.009 χ^2 /NDF: 17.9/21

0.014+/-0.009 χ^2 /NDF: 27.0/23

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

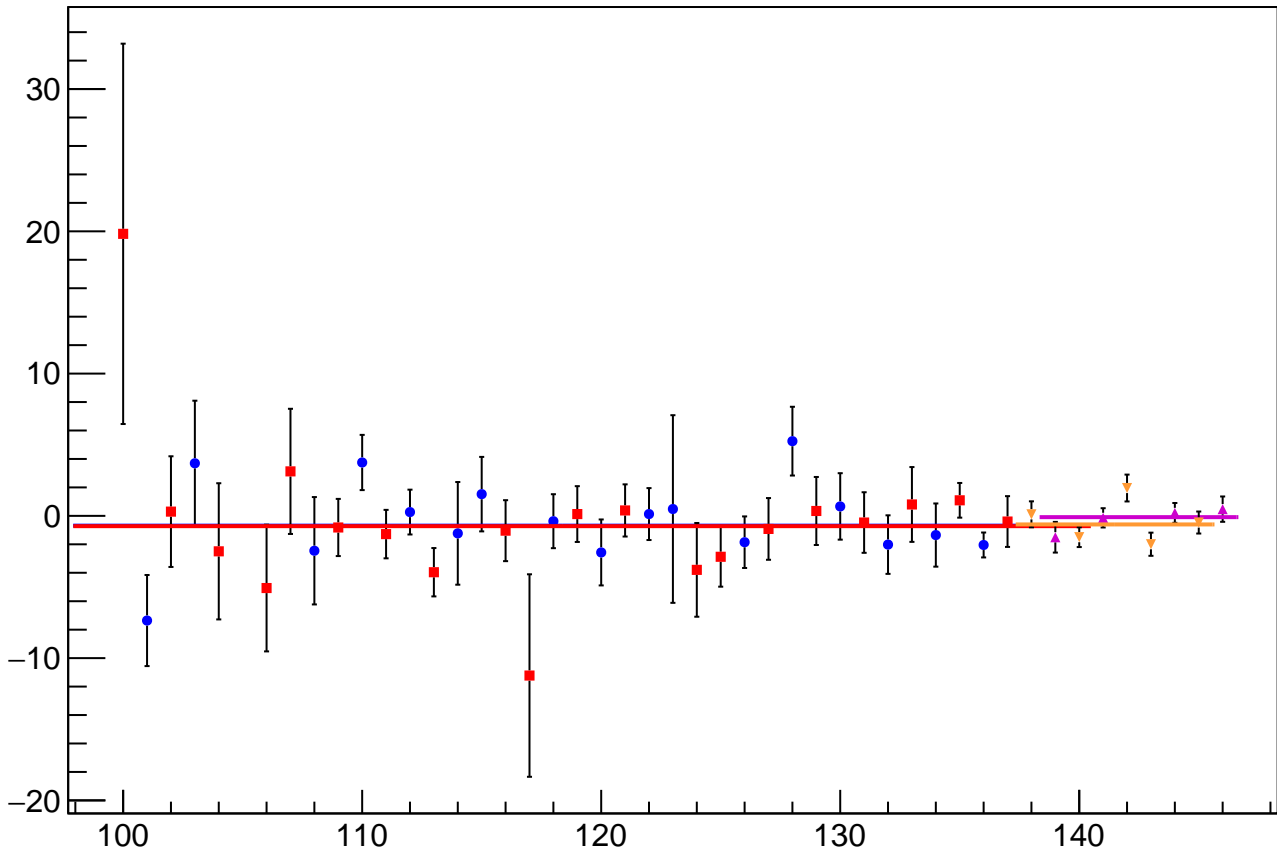
Right Out: 9.855+/-0.006 χ^2/NDF : 11246160.9/19

Left In: 4204.737+/-1.692 χ^2/NDF :126904.2/3

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

9.910+/-0.006 χ^2/NDF : 17518842.4/23

diff_cav4cX_mean vs Slug



Right In: -0.689 ± 0.482 $\chi^2/\text{NDF}: 22.5/16$

Left Out: -0.603 ± 0.363 $\chi^2/\text{NDF}: 12.6/4$

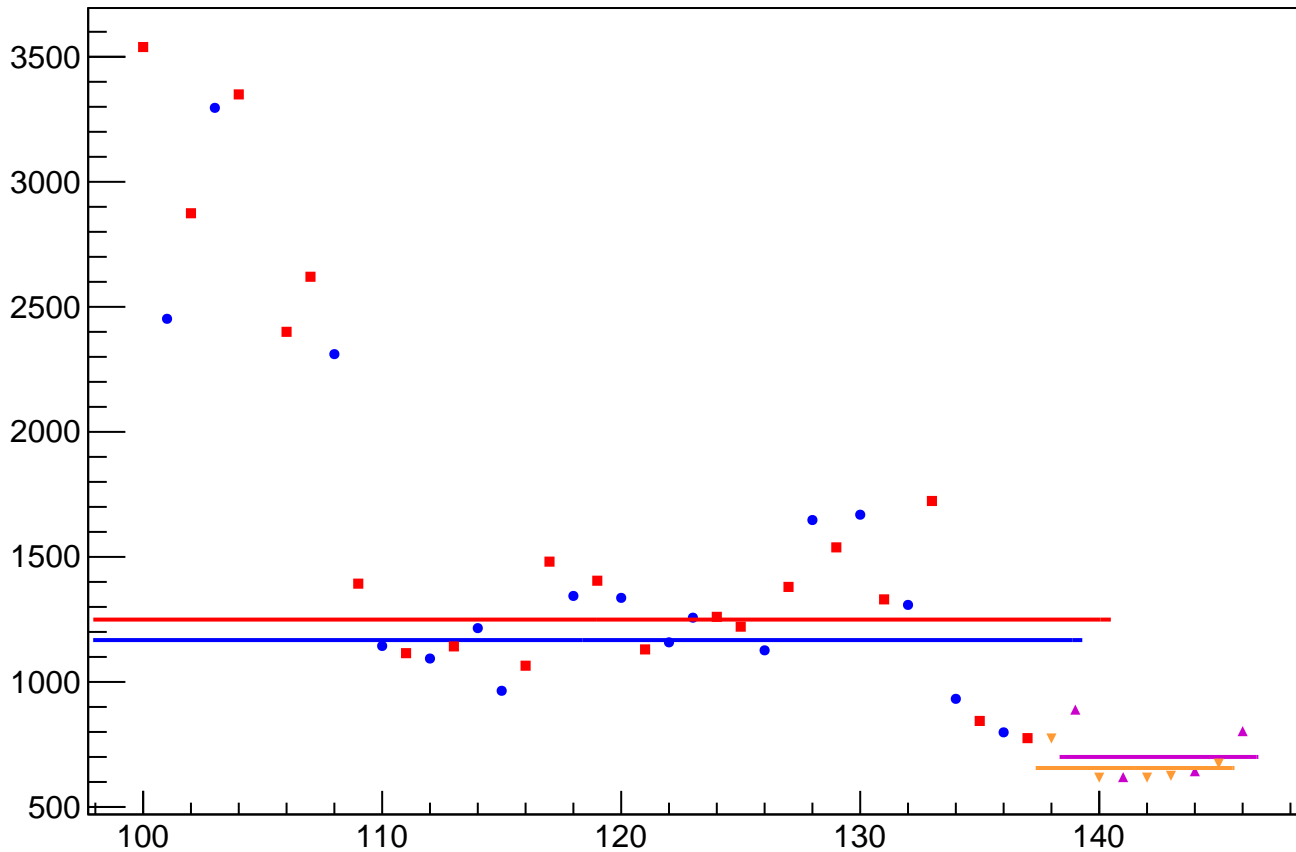
Right Out: -0.724 ± 0.499 $\chi^2/\text{NDF}: 15.5/19$

Left In: -0.090 ± 0.396 $\chi^2/\text{NDF}: 2.3/3$

-0.634 ± 0.290 $\chi^2/\text{NDF}: 35.1/21$

-0.335 ± 0.311 $\chi^2/\text{NDF}: 18.8/23$

diff_cav4cX_rms vs Slug



Right In: 1167.397+/-0.341 χ^2 /NDF: 1578328.1/16

Left Out: 655.867+/-0.257 χ^2 /NDF: 46859.8/4

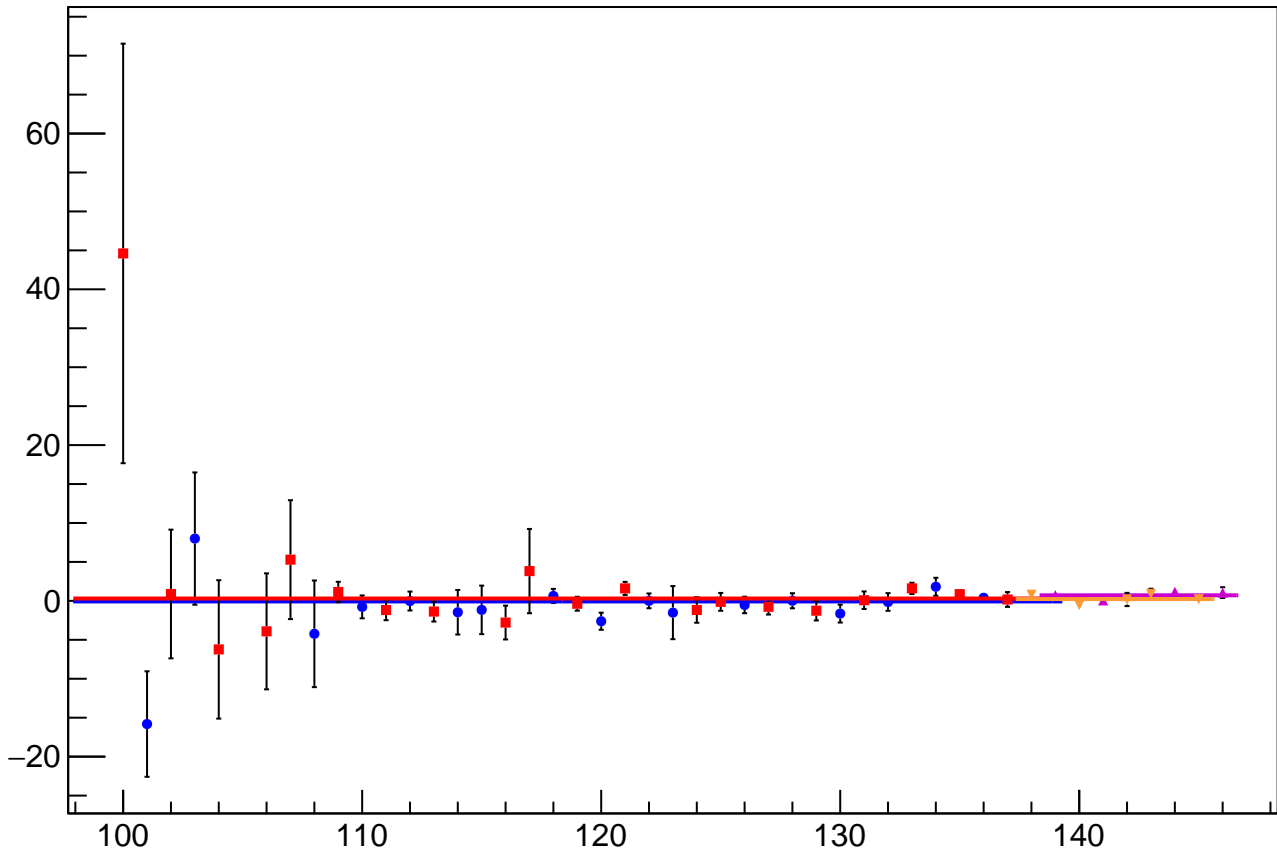
841.130+/-0.205 χ^2 /NDF: 3060309.6/21

Right Out: 1249.388+/-0.353 χ^2 /NDF: 1656159.5/19

912.413+/-0.220 χ^2 /NDF: 3270653.2/23

Left In: 700.036+/-0.280 χ^2 /NDF: 130250.7/3

diff_cav4cY_mean vs Slug



Right In: -0.072 ± 0.269 $\chi^2/\text{NDF}: 19.2/16$

Left Out: 0.229 ± 0.268 $\chi^2/\text{NDF}: 4.2/4$

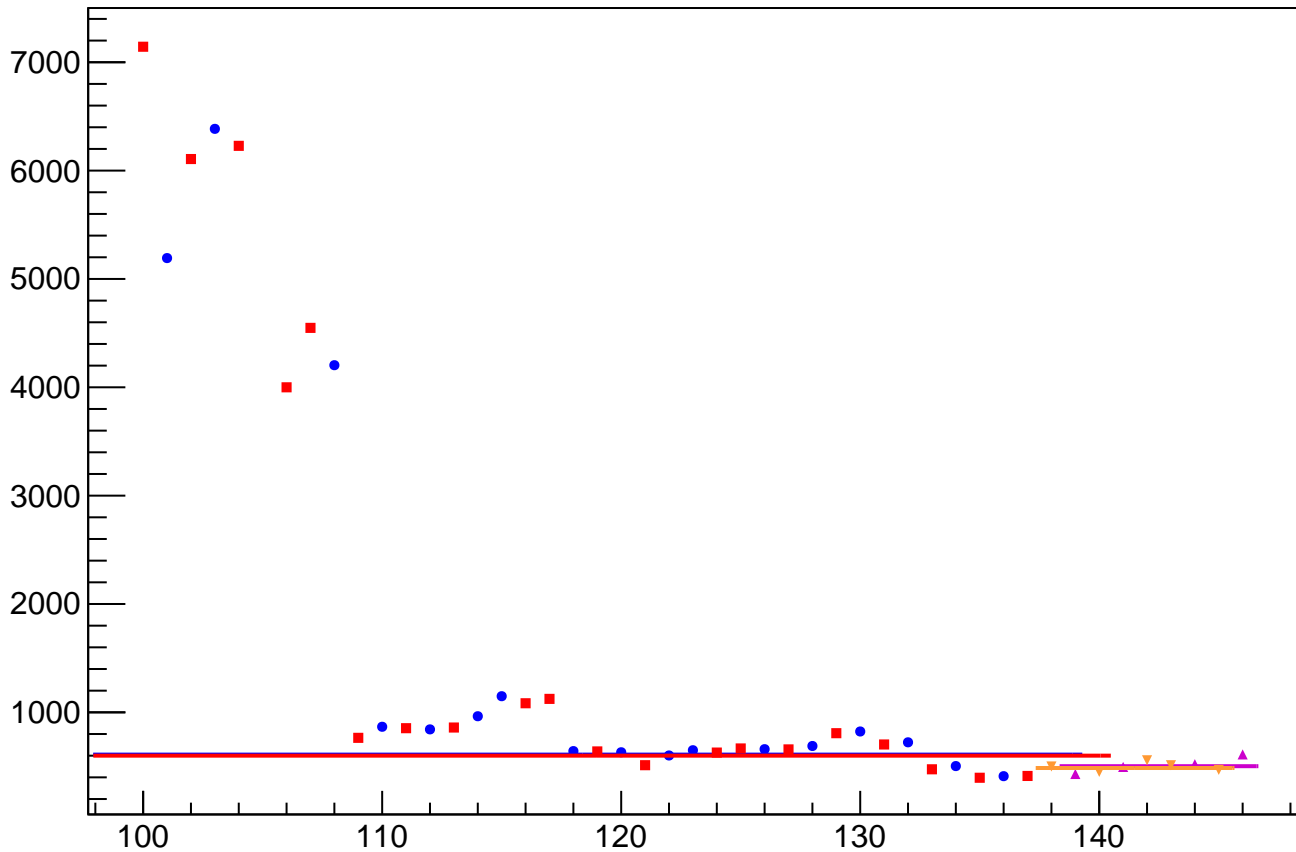
Right Out: 0.303 ± 0.264 $\chi^2/\text{NDF}: 20.7/19$

Left In: 0.714 ± 0.285 $\chi^2/\text{NDF}: 2.4/3$

0.079 ± 0.190 $\chi^2/\text{NDF}: 24.1/21$

0.492 ± 0.194 $\chi^2/\text{NDF}: 24.2/23$

diff_cav4cY_rms vs Slug



Right In: 609.780 ± 0.190 $\chi^2/\text{NDF}: 3135978.5/16$

Left Out: 486.245 ± 0.189 $\chi^2/\text{NDF}: 30109.7/4$

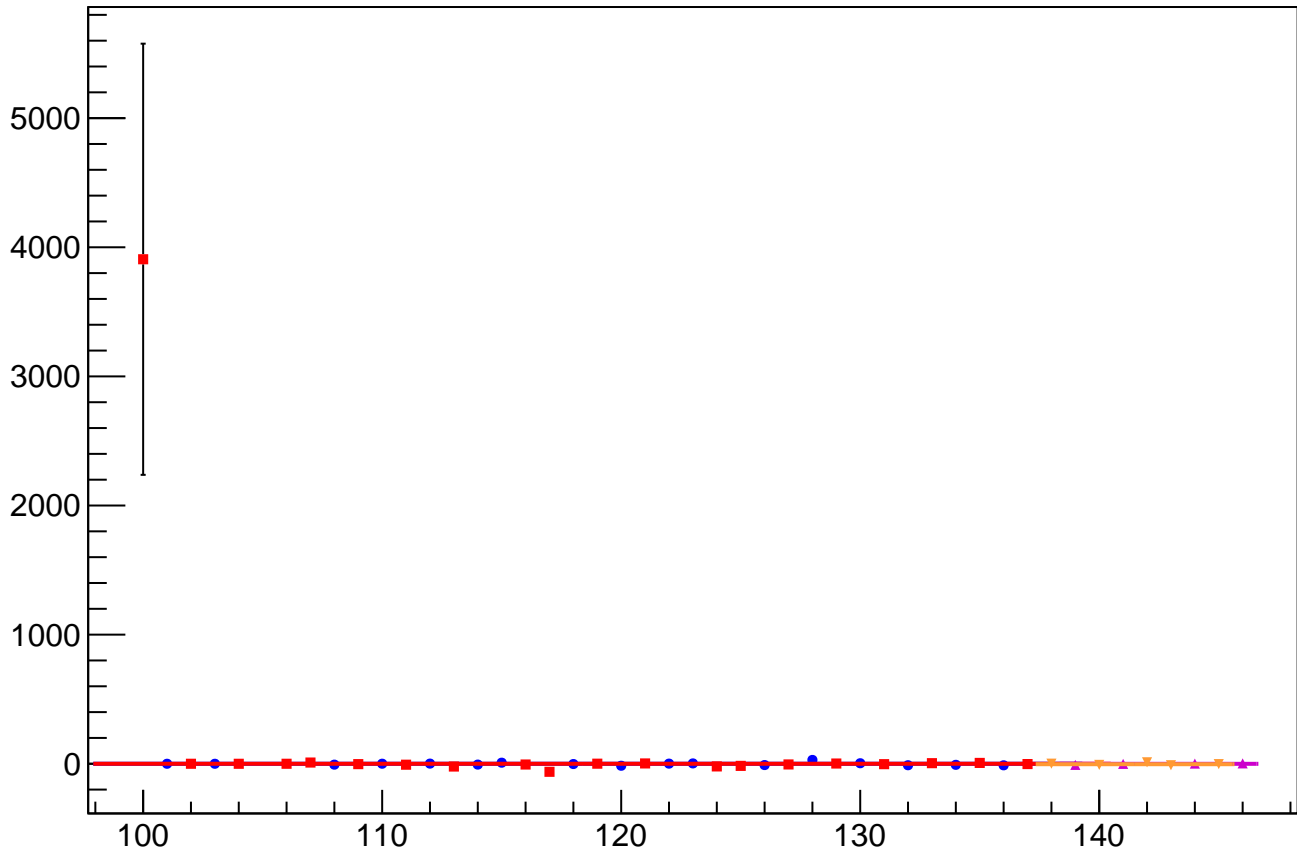
Right Out: 600.264 ± 0.186 $\chi^2/\text{NDF}: 3571191.0/19$

Left In: 503.063 ± 0.202 $\chi^2/\text{NDF}: 89597.9/3$

547.799 ± 0.134 $\chi^2/\text{NDF}: 3378375.2/21$

555.509 ± 0.137 $\chi^2/\text{NDF}: 3786007.7/23$

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

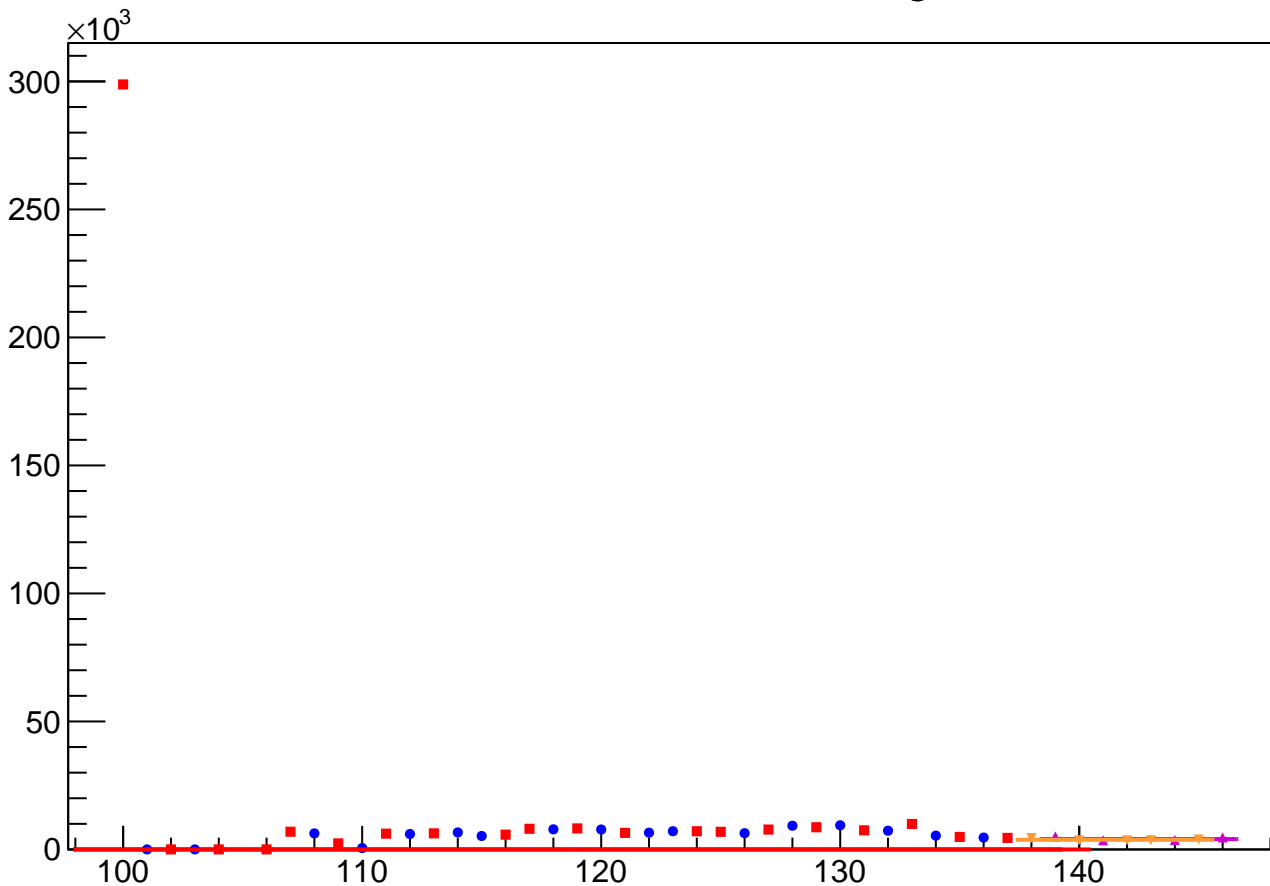
Right Out: -0.027 ± 0.020 χ^2/NDF : 20.5/19

Left In: -0.480 ± 2.297 χ^2/NDF : 2.3/3

-0.022 ± 0.021 χ^2/NDF : 30.9/21

-0.027 ± 0.020 χ^2/NDF : 22.9/23

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

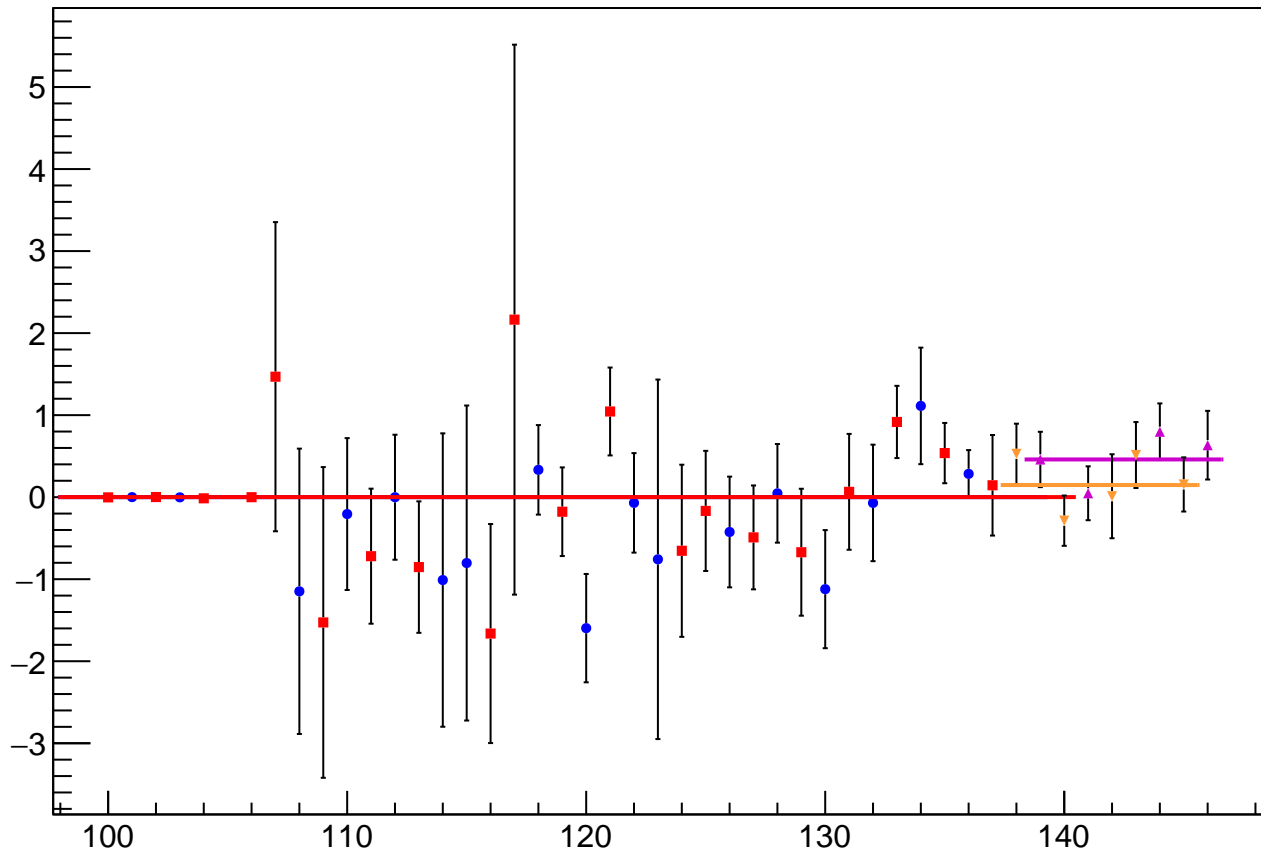
Right Out: 17.271 \pm 0.014 χ^2 /NDF: 10906837.9/19

Left In: 4054.425 \pm 1.624 χ^2 /NDF:132179.9/3

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

17.570 \pm 0.014 χ^2 /NDF: 17217707.6/23

diff_cav4dY_mean vs Slug



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

Left Out: 0.148 \pm 0.164 χ^2 /NDF: 4.0/4

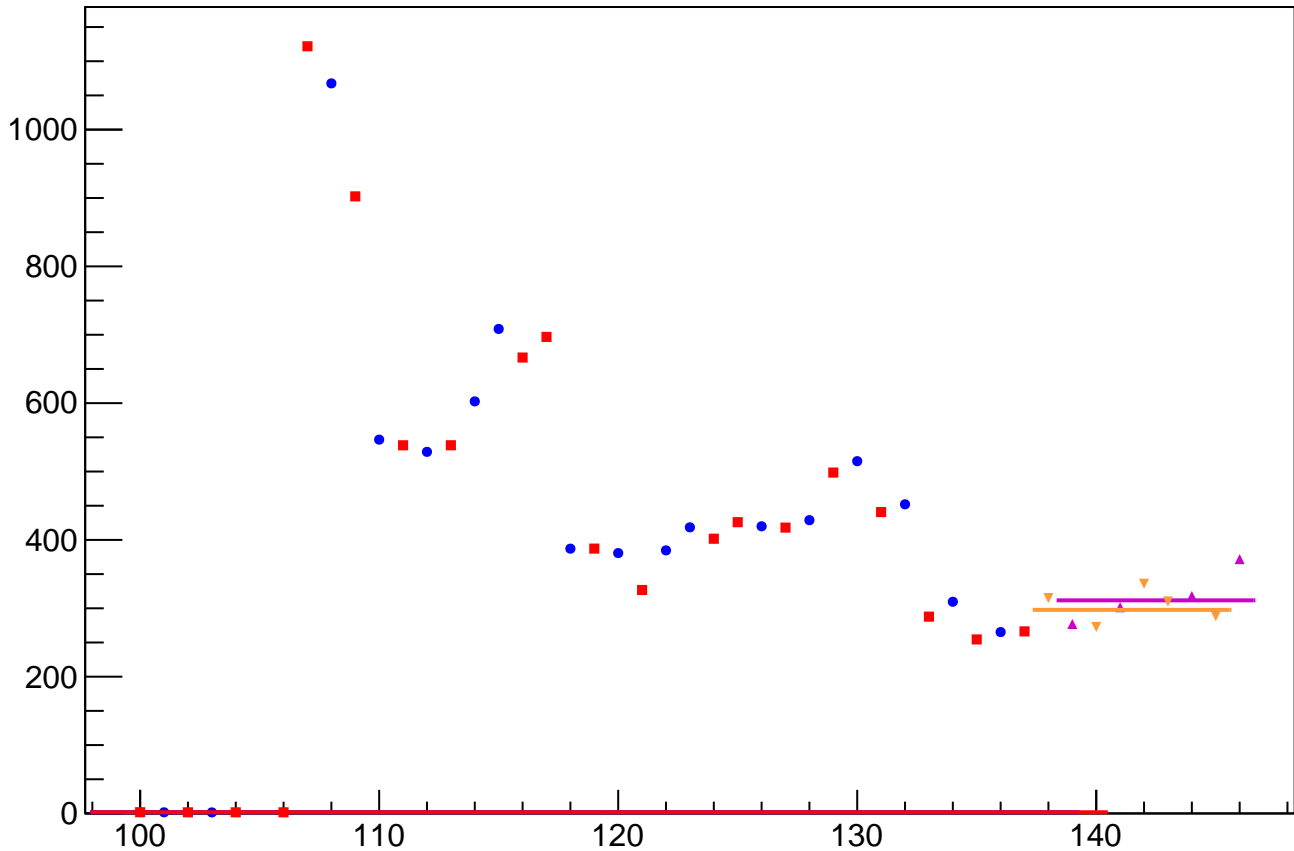
Right Out: 0.001 \pm 0.002 χ^2 /NDF: 18.3/19

Left In: 0.460 \pm 0.176 χ^2 /NDF: 2.7/3

0.000 \pm 0.002 χ^2 /NDF: 18.5/21

0.001 \pm 0.002 χ^2 /NDF: 27.8/23

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

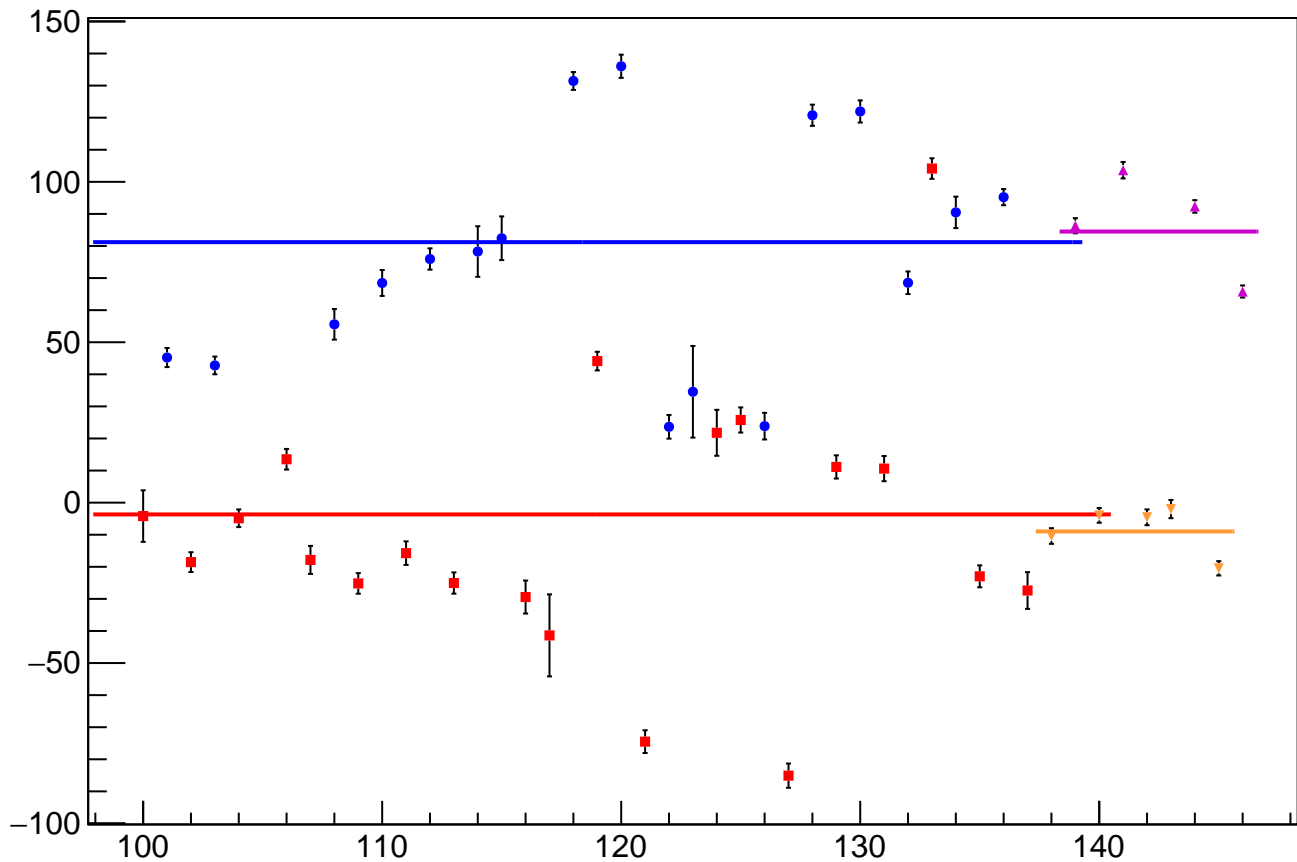
Right Out: 1.729+/-0.001 χ^2/NDF : 10829914.3/19

Left In: 311.640+/-0.125 χ^2/NDF : 65070.1/3

1.744+/-0.001 χ^2/NDF : 17604312.0/21

1.766+/-0.001 χ^2/NDF : 17073795.7/23

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

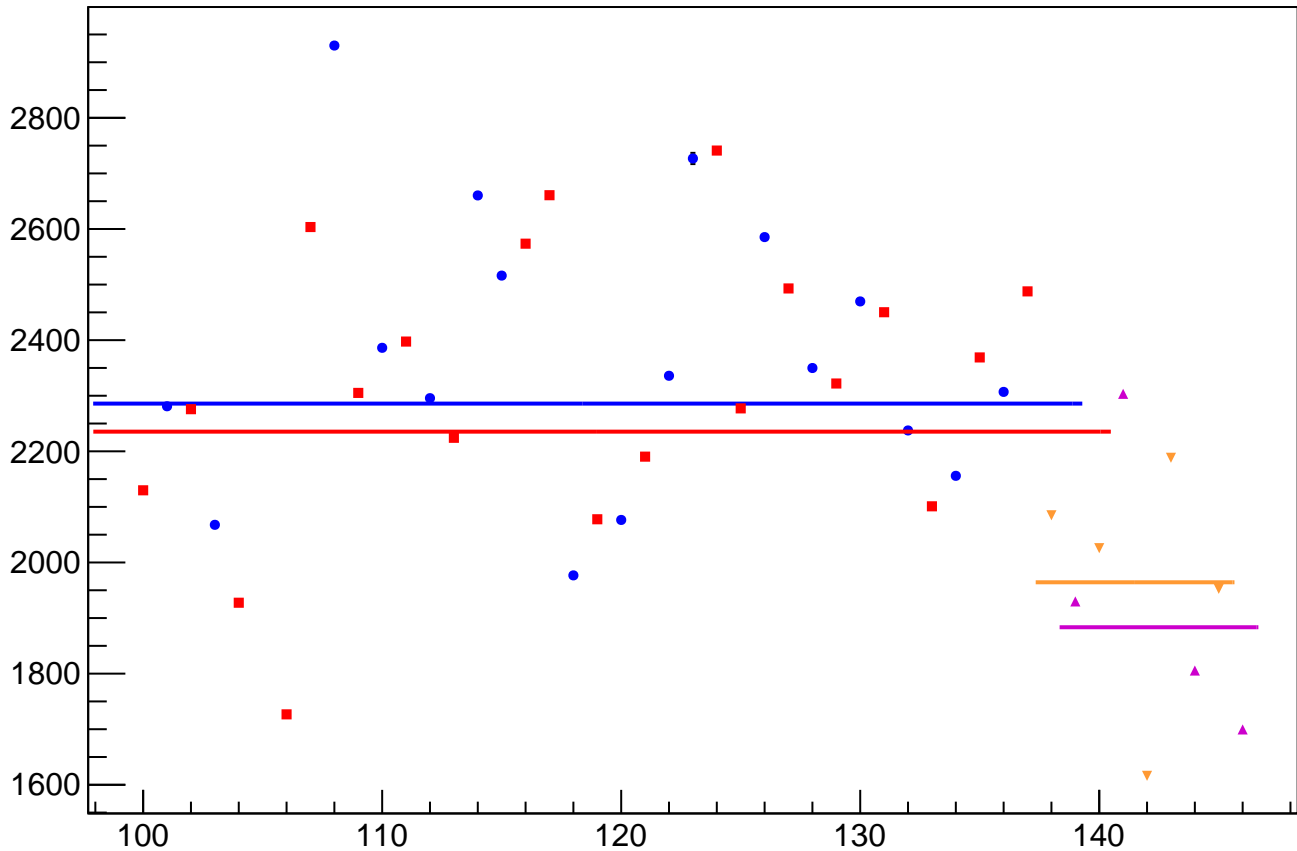
Right Out: -3.672+/-0.841 χ^2 /NDF: 2607.8/19

Left In: 84.509+/-1.071 χ^2 /NDF:170.2/3

45.204+/-0.687 χ^2 /NDF: 5888.5/21

29.964+/-0.661 χ^2 /NDF: 6974.7/23

diff_bpm0i01X_rms vs Slug



Right In: 2285.855 ± 0.626 $\chi^2/\text{NDF}: 109336.5/16$

Left Out: 1964.360 ± 0.768 $\chi^2/\text{NDF}: 58736.4/4$

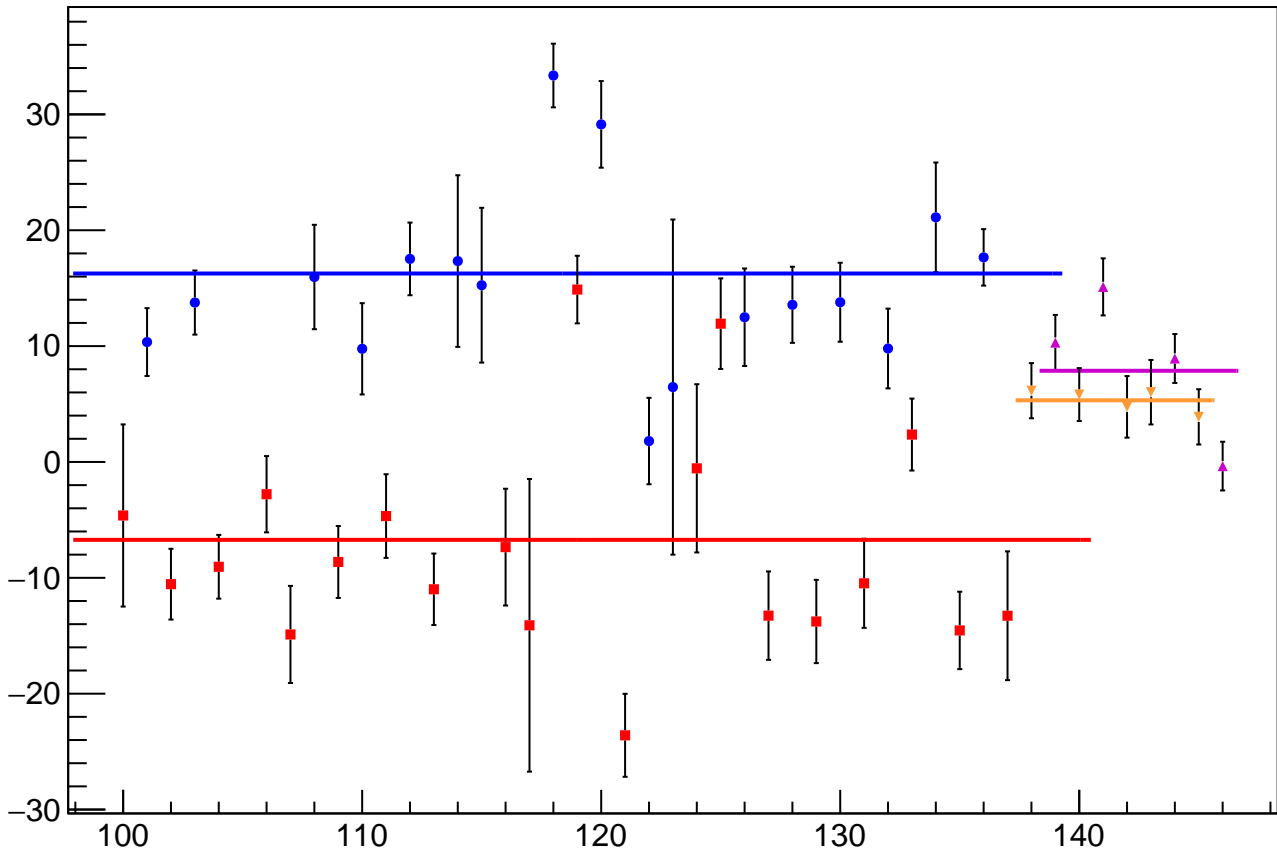
Right Out: 2235.394 ± 0.594 $\chi^2/\text{NDF}: 149072.1/19$

Left In: 1883.469 ± 0.757 $\chi^2/\text{NDF}: 76410.9/3$

2157.517 ± 0.485 $\chi^2/\text{NDF}: 273268.5/21$

2101.154 ± 0.468 $\chi^2/\text{NDF}: 359168.8/23$

diff_bpm0i01Y_mean vs Slug



Right In: 16.265 ± 0.872 $\chi^2/\text{NDF}: 80.8/16$

12.083 ± 0.685 $\chi^2/\text{NDF}: 141.7/21$

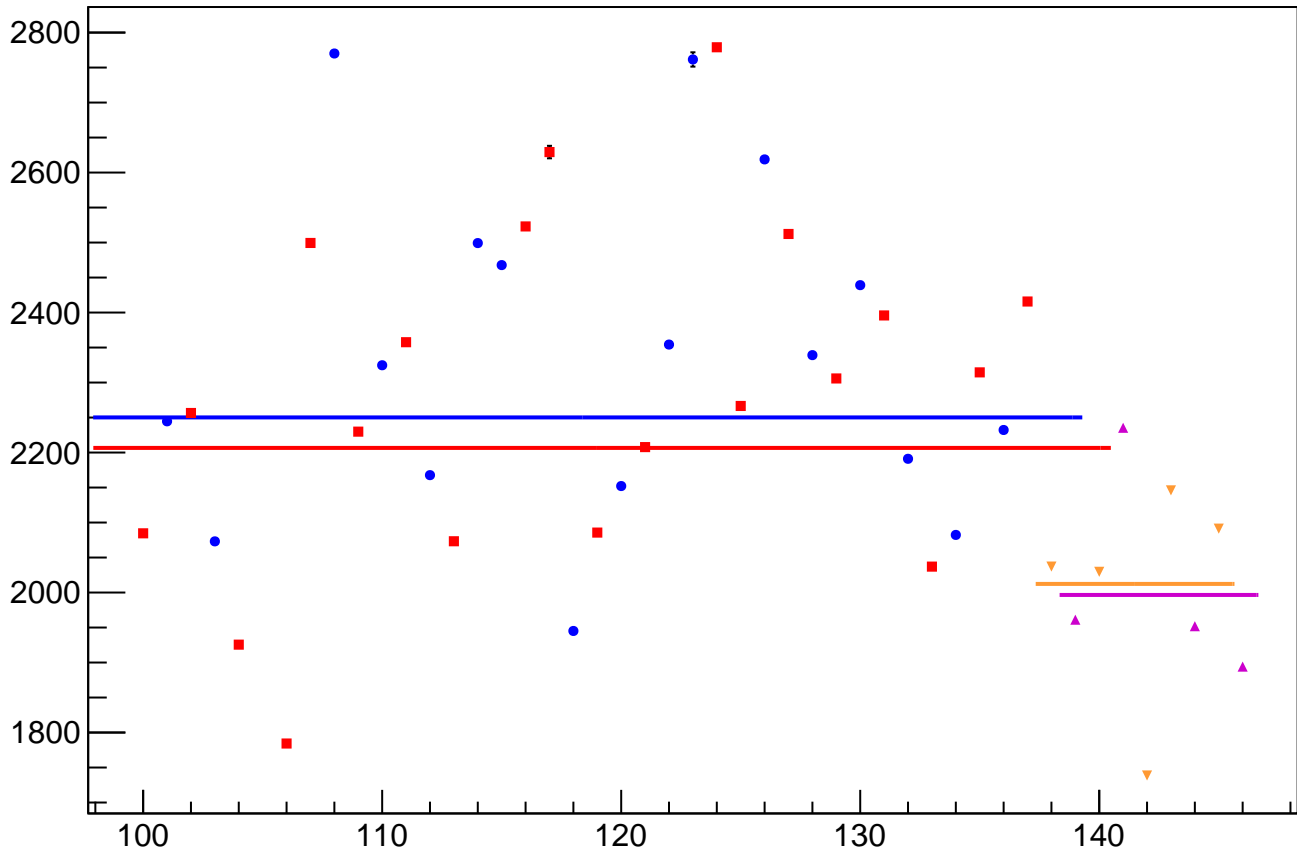
Left Out: 5.322 ± 1.108 $\chi^2/\text{NDF}: 0.6/4$

Right Out: -6.722 ± 0.829 $\chi^2/\text{NDF}: 134.3/19$

-1.582 ± 0.667 $\chi^2/\text{NDF}: 268.7/23$

Left In: 7.869 ± 1.124 $\chi^2/\text{NDF}: 25.3/3$

diff_bpm0i01Y_rms vs Slug



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

Left Out: 2012.318 +/- 0.783 χ^2/NDF : 28366.7/4

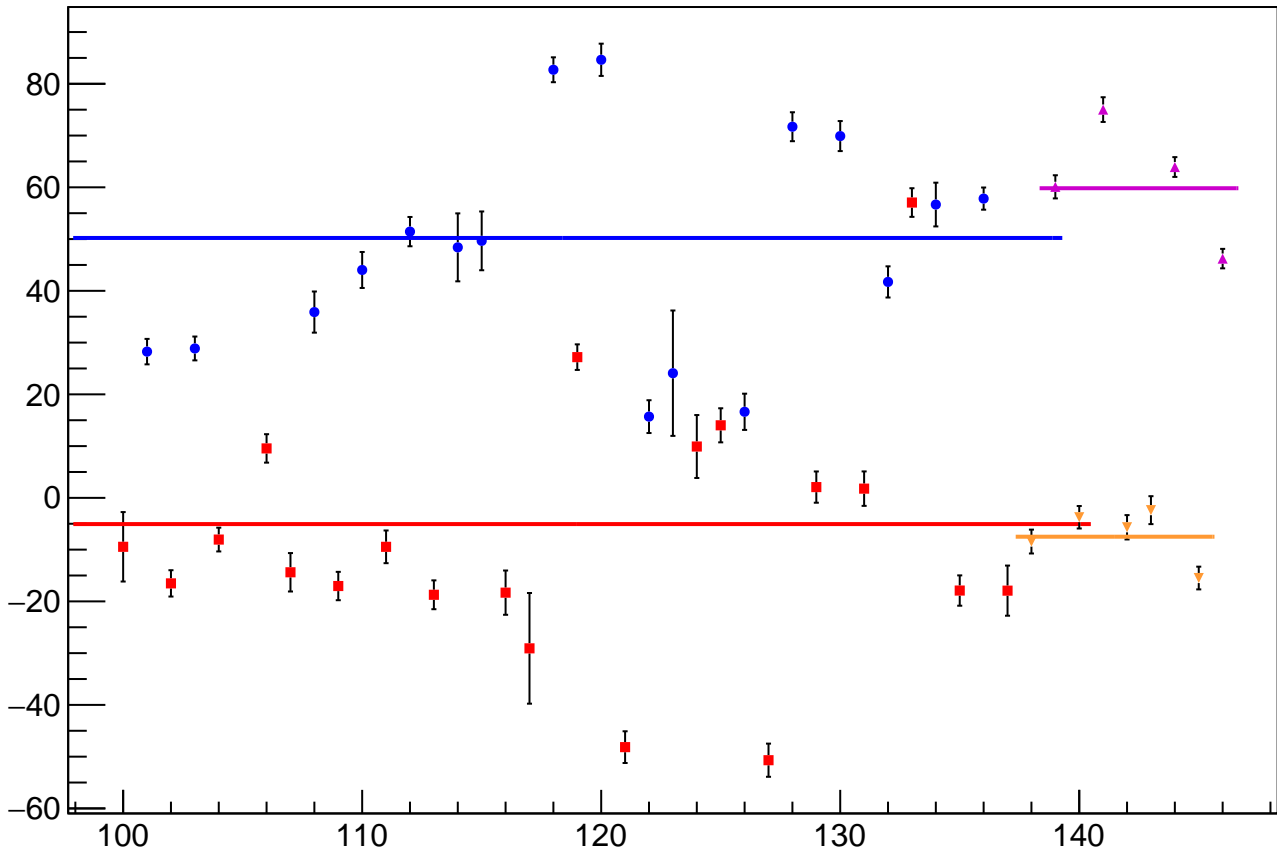
Right Out: 2206.617 +/- 0.586 χ^2/NDF : 128476.5/19

Left In: 1996.557 +/- 0.795 χ^2/NDF : 24904.1/3

2159.266 +/- 0.484 χ^2/NDF : 182883.8/21

2132.612 +/- 0.472 χ^2/NDF : 198625.1/23

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

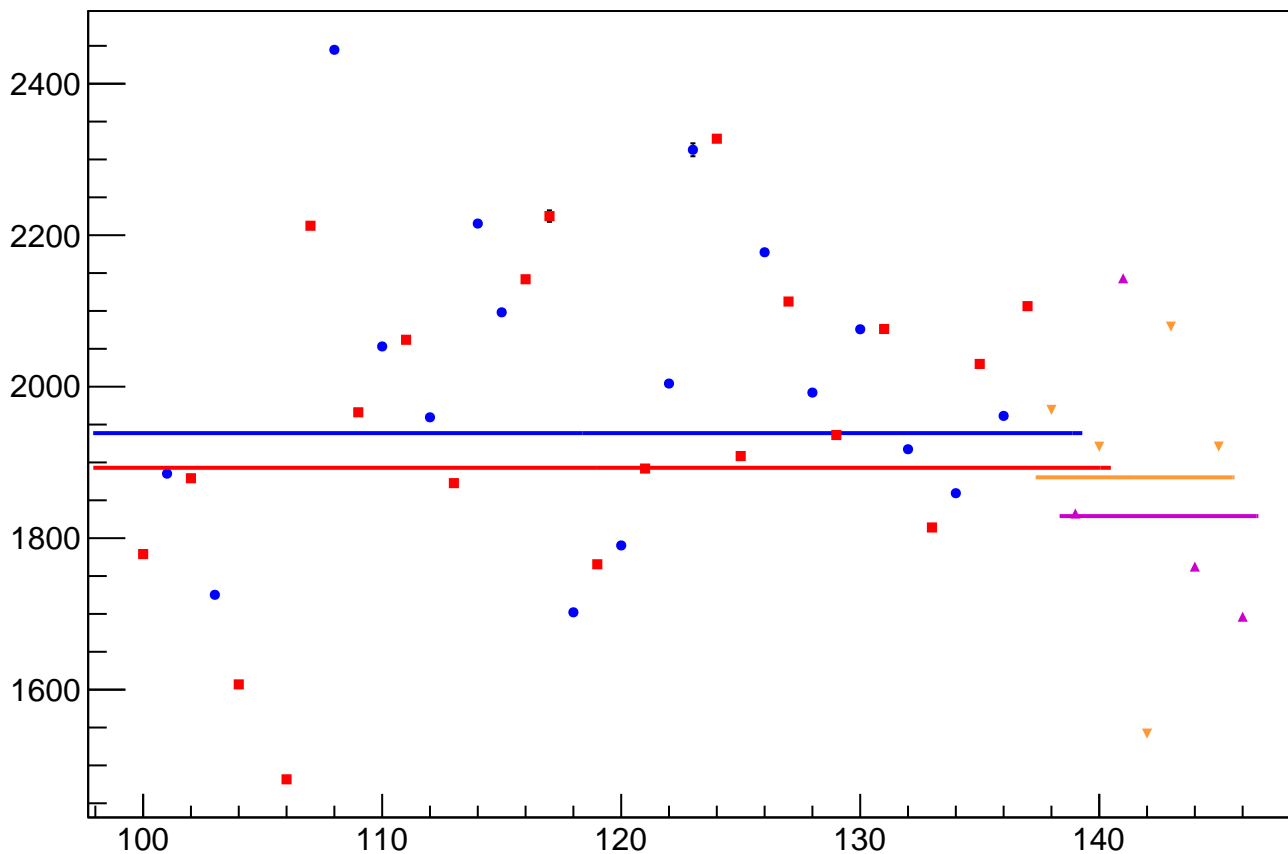
Right Out: -5.065 +/- 0.712 χ^2/NDF : 1267.6/19

Left In: 59.823 +/- 1.036 χ^2/NDF : 97.3/3

30.421 +/- 0.609 χ^2/NDF : 2877.8/21

15.737 +/- 0.587 χ^2/NDF : 4028.8/23

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

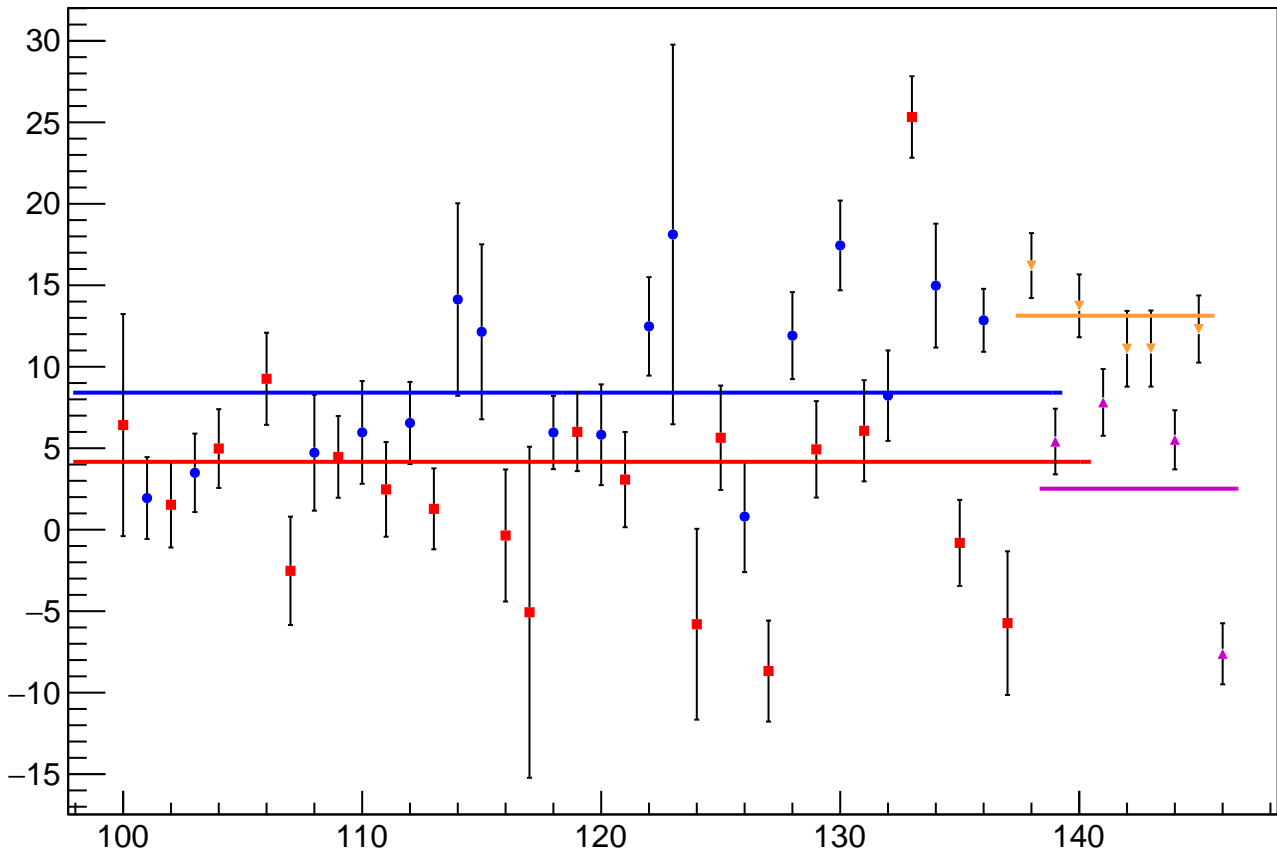
Right Out: 1892.946 \pm 0.503 χ^2 /NDF: 148563.2/19

Left In: 1829.138 \pm 0.733 χ^2 /NDF: 46972.7/3

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

1872.491 \pm 0.415 χ^2 /NDF: 200687.7/23

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

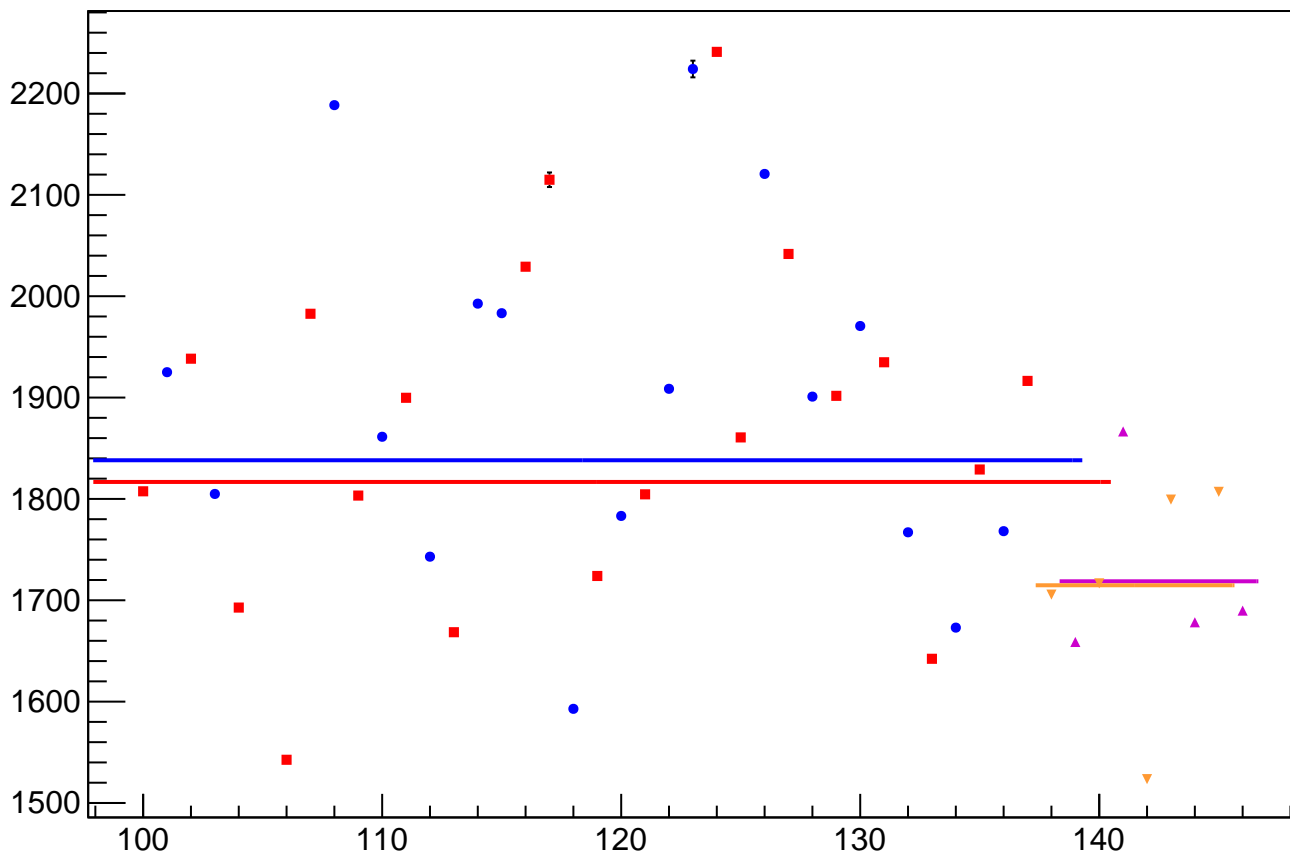
Right Out: 4.167 \pm 0.681 χ^2/NDF : 113.9/19

Left In: 2.517 \pm 0.965 χ^2/NDF : 40.8/3

10.124 \pm 0.568 χ^2/NDF : 64.7/21

3.618 \pm 0.556 χ^2/NDF : 156.6/23

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

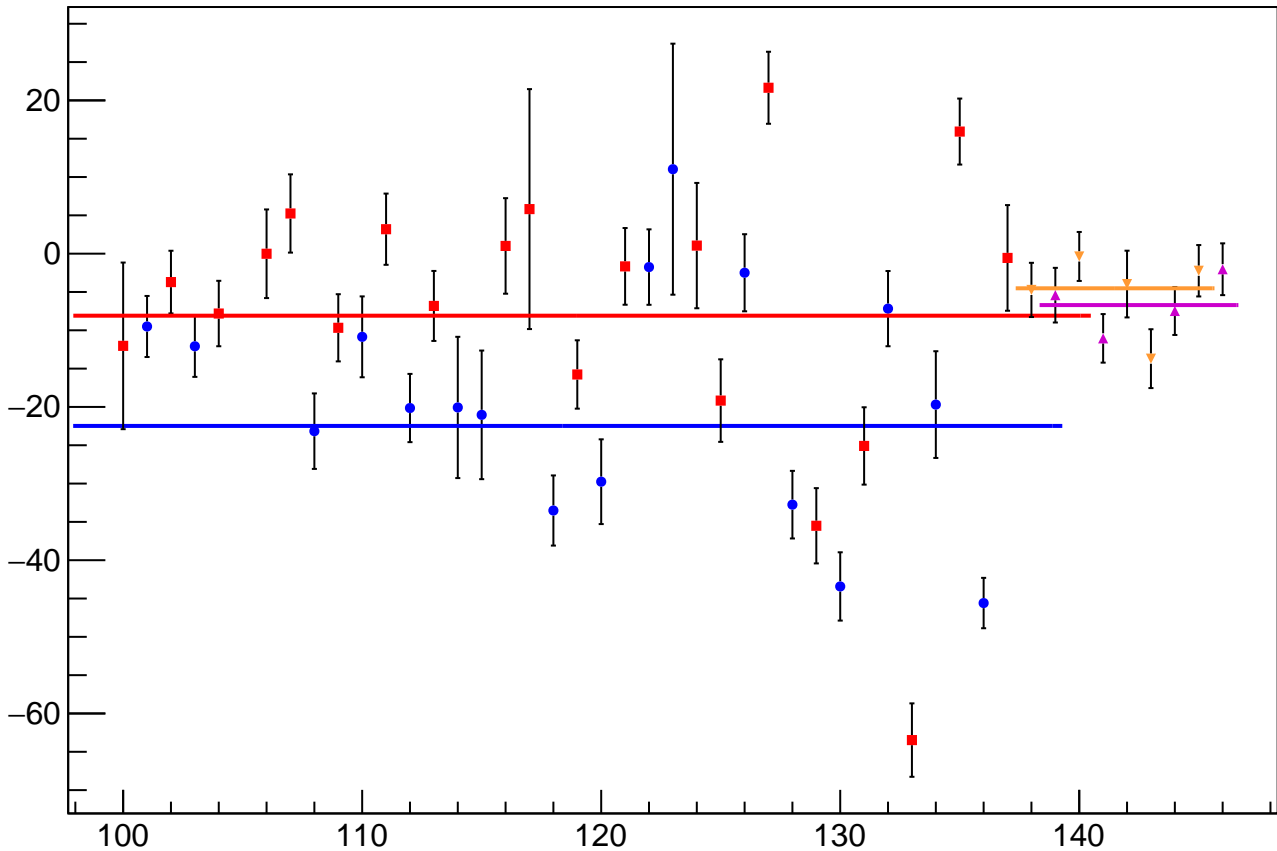
Right Out: 1816.748+/-0.481 χ^2/NDF : 89149.7/19

Left In: 1718.729+/-0.682 χ^2/NDF : 13668.9/3

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

1784.170+/-0.393 χ^2/NDF : 116595.6/23

diff_bpm0l01X_mean vs Slug



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

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

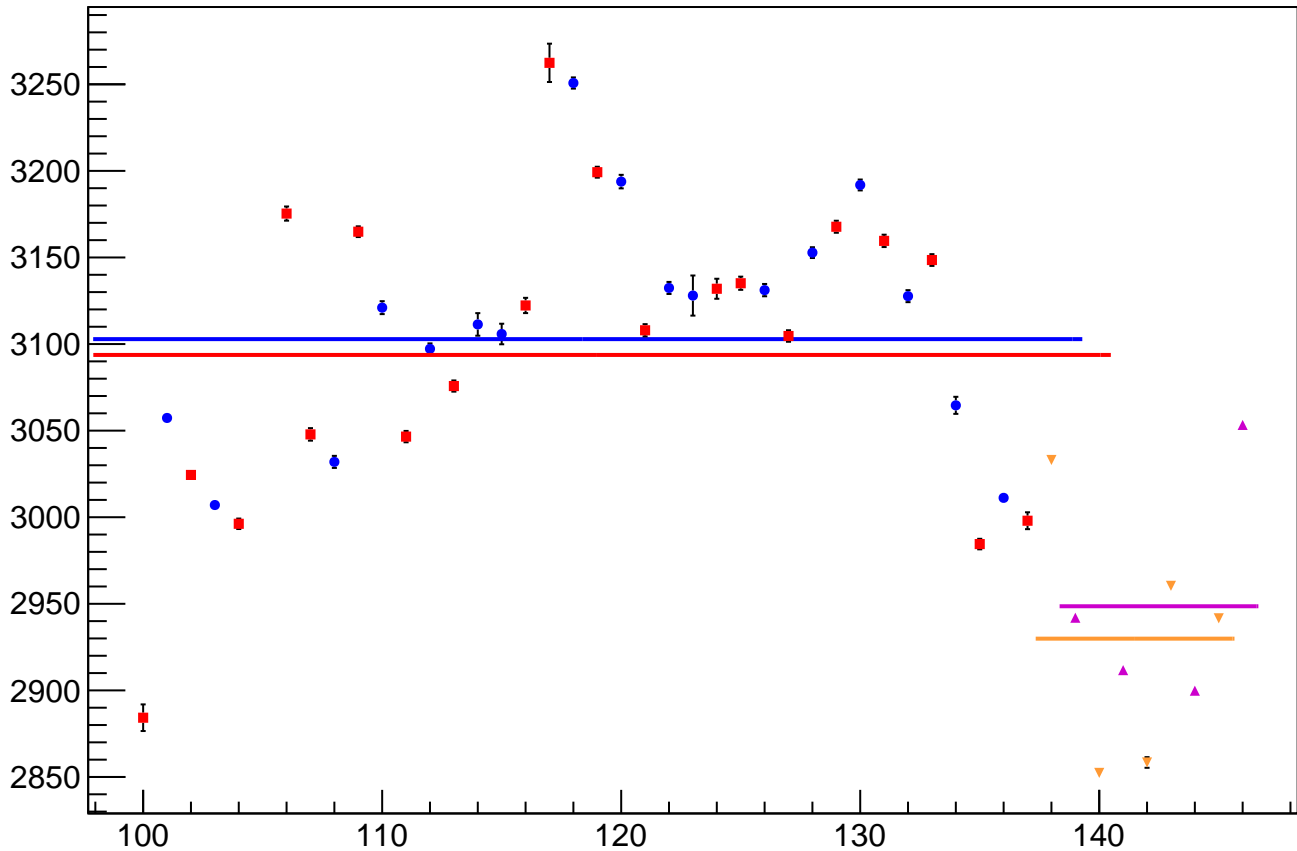
Right Out: -8.093 \pm 1.153 χ^2/NDF : 277.7/19

Left In: -6.709 \pm 1.649 χ^2/NDF : 4.0/3

-16.084 \pm 0.959 χ^2/NDF : 243.1/21

-7.638 \pm 0.945 χ^2/NDF : 282.2/23

diff_bpm0l01X_rms vs Slug



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

Left Out: 2929.881 \pm 1.136 χ^2 /NDF:3568.8/4

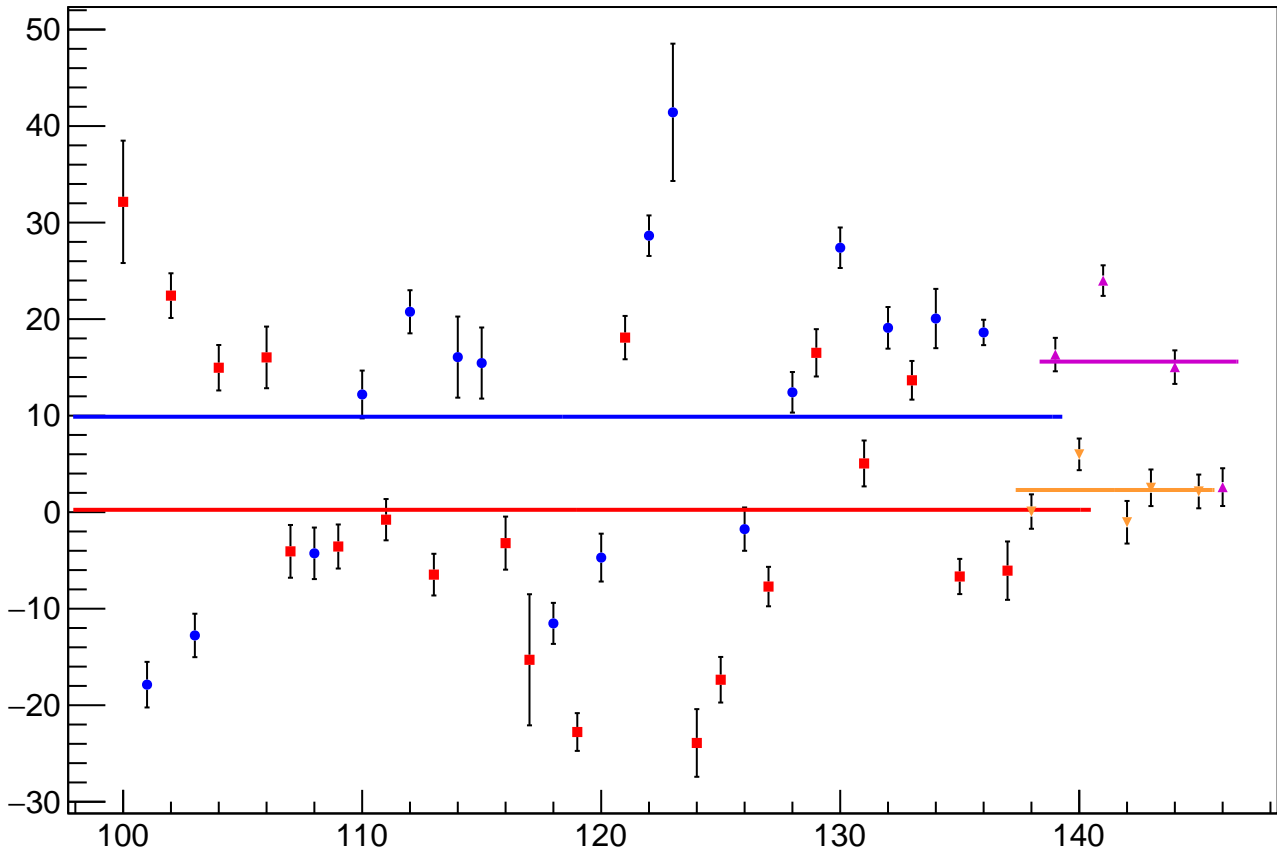
Right Out: 3093.715 \pm 0.816 χ^2 /NDF: 7996.8/19

Left In: 2948.585 \pm 1.166 χ^2 /NDF:2684.0/3

3041.263 \pm 0.678 χ^2 /NDF: 25838.5/21

3046.027 \pm 0.668 χ^2 /NDF: 21086.2/23

diff_bpm0l01Y_mean vs Slug



Right In: 9.887 ± 0.559 $\chi^2/\text{NDF}: 703.6/16$

Left Out: 2.298 ± 0.817 $\chi^2/\text{NDF}: 9.0/4$

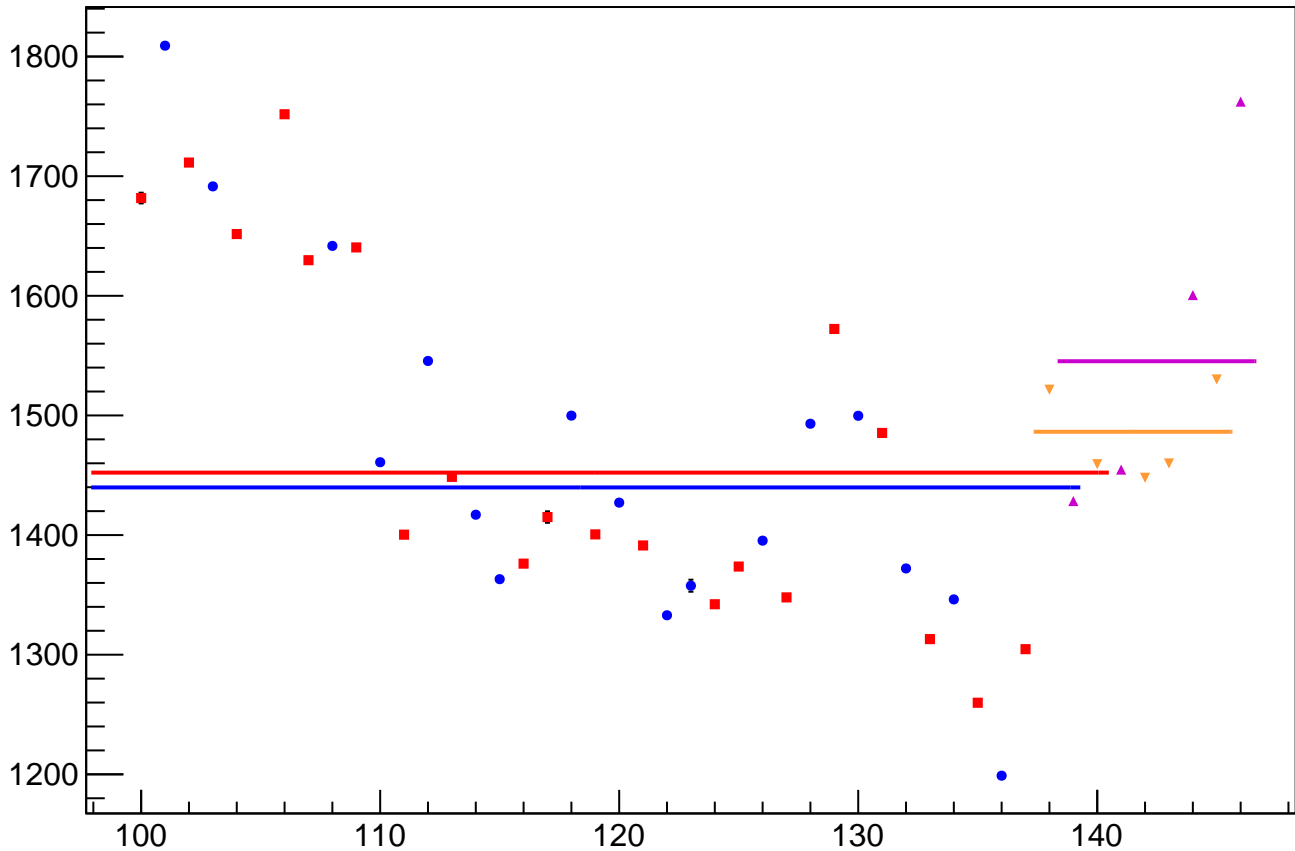
Right Out: 0.245 ± 0.545 $\chi^2/\text{NDF}: 634.1/19$

Left In: 15.597 ± 0.869 $\chi^2/\text{NDF}: 72.5/3$

7.465 ± 0.462 $\chi^2/\text{NDF}: 771.3/21$

4.579 ± 0.462 $\chi^2/\text{NDF}: 930.5/23$

diff_bpm0l01Y_rms vs Slug



Right In: 1439.826 ± 0.396 $\chi^2/\text{NDF}: 172823.5/16$

Left Out: 1486.364 ± 0.578 $\chi^2/\text{NDF}: 3576.3/4$

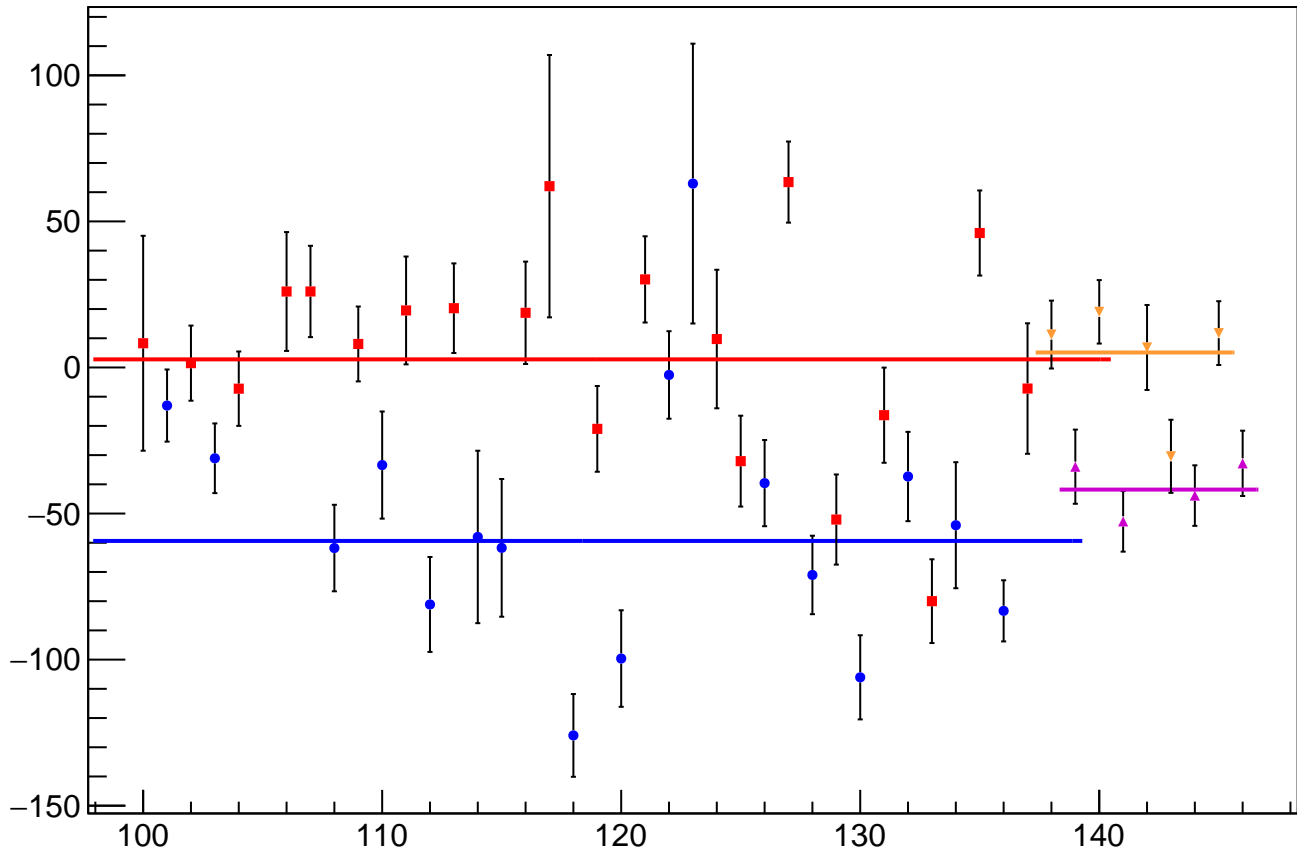
Right Out: 1452.211 ± 0.385 $\chi^2/\text{NDF}: 138579.9/19$

Left In: 1545.315 ± 0.615 $\chi^2/\text{NDF}: 42267.0/3$

1454.682 ± 0.326 $\chi^2/\text{NDF}: 180817.4/21$

1478.493 ± 0.327 $\chi^2/\text{NDF}: 197315.9/23$

diff_bpm0l02X_mean vs Slug



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

Left Out: 5.130 ± 5.315 $\chi^2/\text{NDF}: 10.4/4$

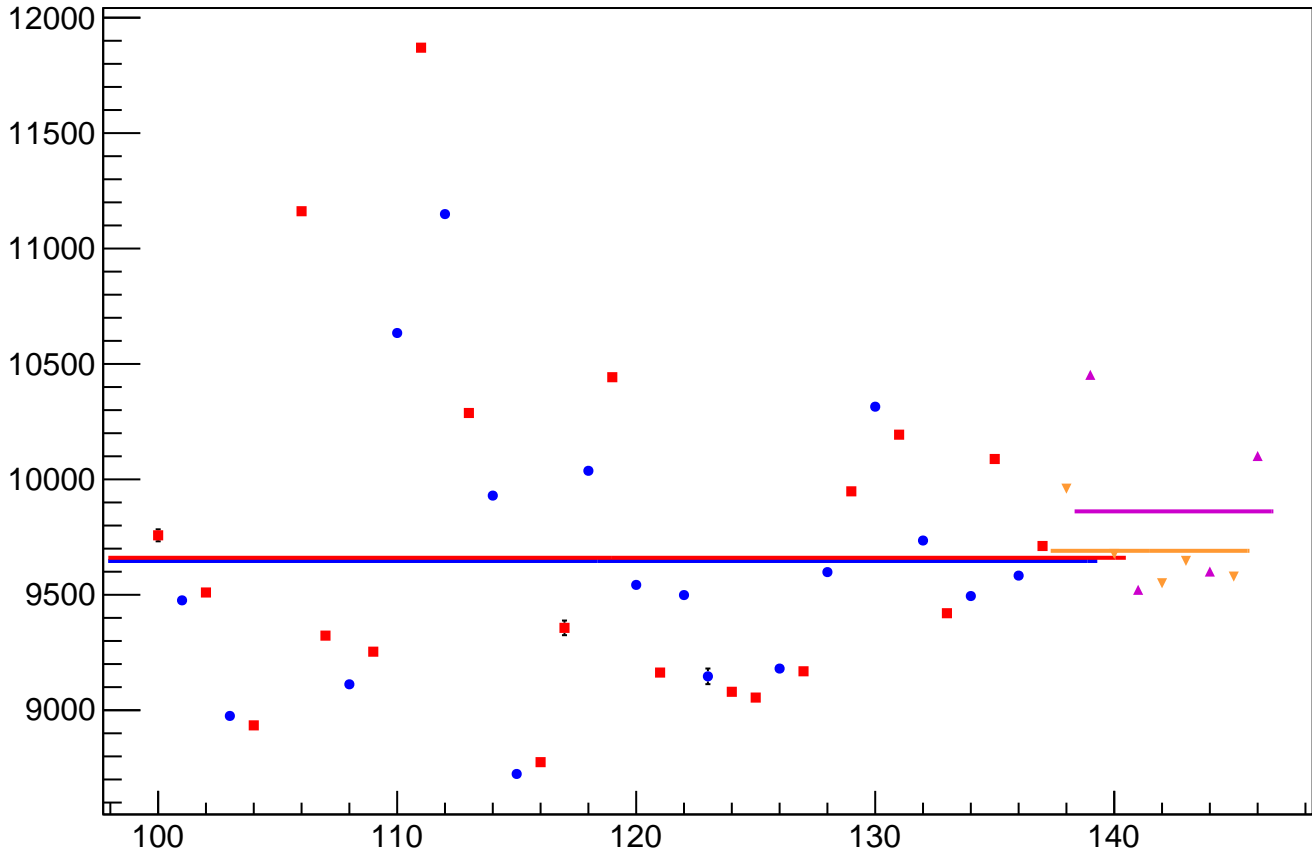
Right Out: 2.776 ± 3.618 $\chi^2/\text{NDF}: 95.7/19$

Left In: -41.799 ± 5.518 $\chi^2/\text{NDF}: 2.2/3$

-38.100 ± 3.053 $\chi^2/\text{NDF}: 202.0/21$

-10.625 ± 3.026 $\chi^2/\text{NDF}: 143.5/23$

diff_bpm0l02X_rms vs Slug



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

Left Out: 9690.553 ± 3.759 $\chi^2/\text{NDF}: 1498.1/4$

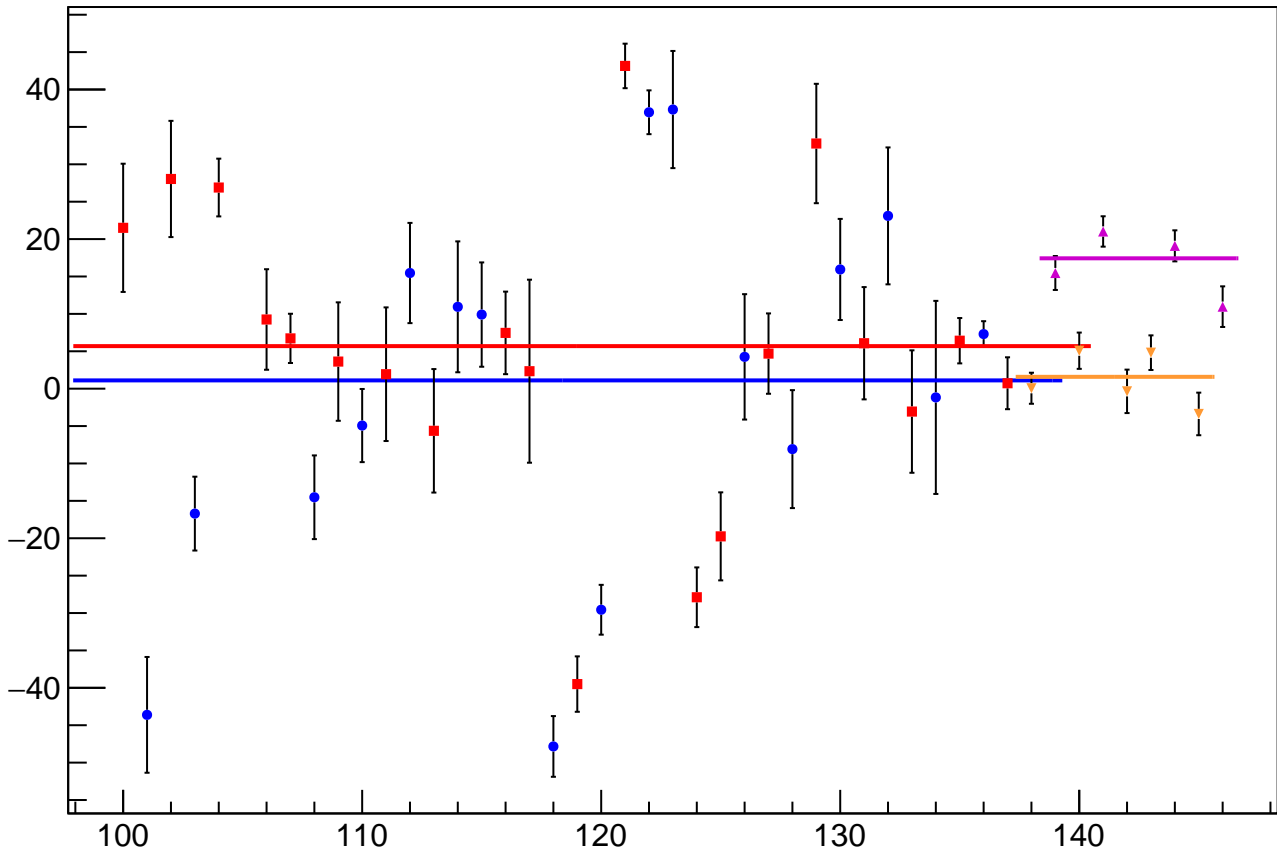
Right Out: 9660.380 ± 2.558 $\chi^2/\text{NDF}: 77676.0/19$

Left In: 9861.368 ± 3.902 $\chi^2/\text{NDF}: 8679.8/3$

9661.015 ± 2.159 $\chi^2/\text{NDF}: 45650.5/21$

9720.801 ± 2.139 $\chi^2/\text{NDF}: 88211.4/23$

diff_bpm0l02Y_mean vs Slug



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

1.338 ± 0.765 $\chi^2/\text{NDF}: 497.8/21$

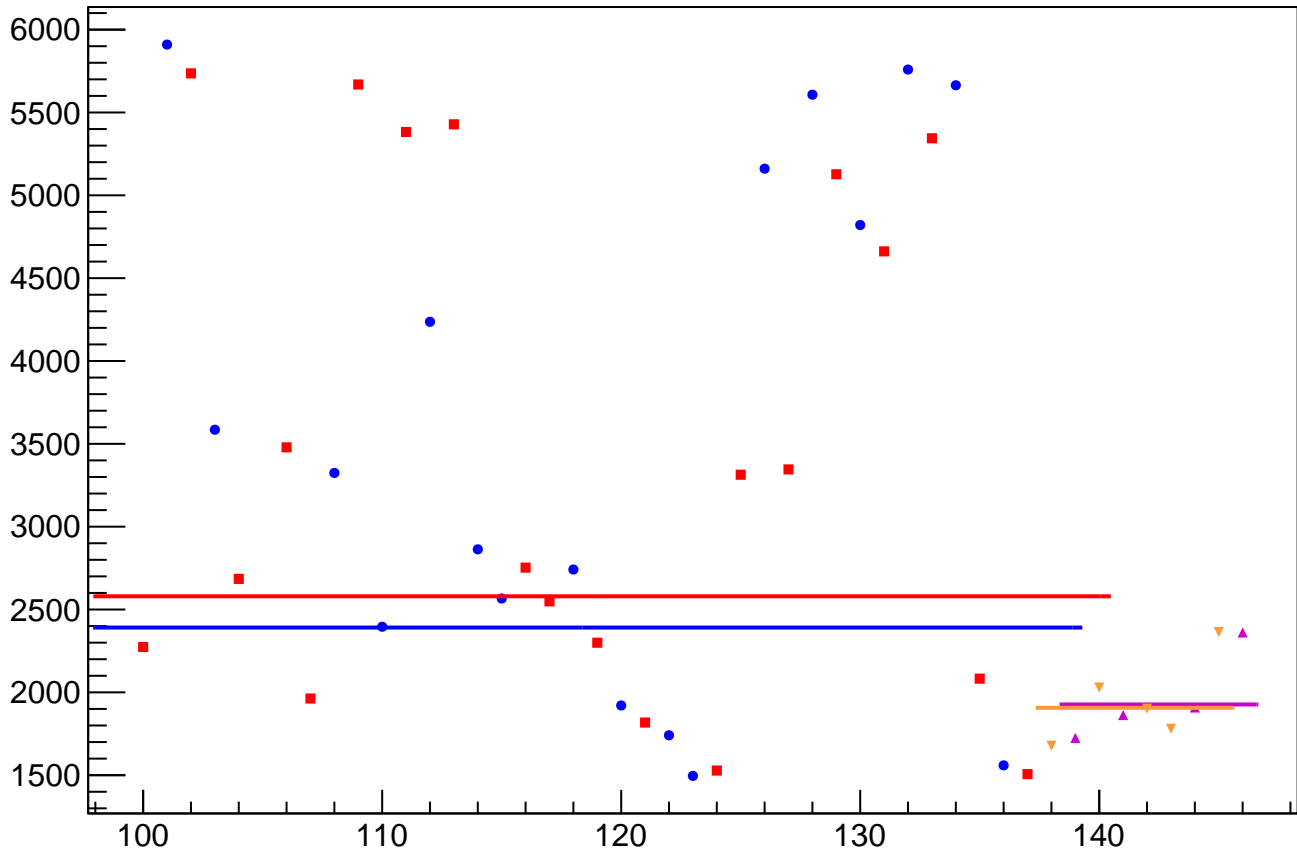
Left Out: 1.584 ± 1.097 $\chi^2/\text{NDF}: 8.0/4$

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

11.409 ± 0.778 $\chi^2/\text{NDF}: 523.1/23$

Left In: 17.429 ± 1.115 $\chi^2/\text{NDF}: 10.2/3$

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

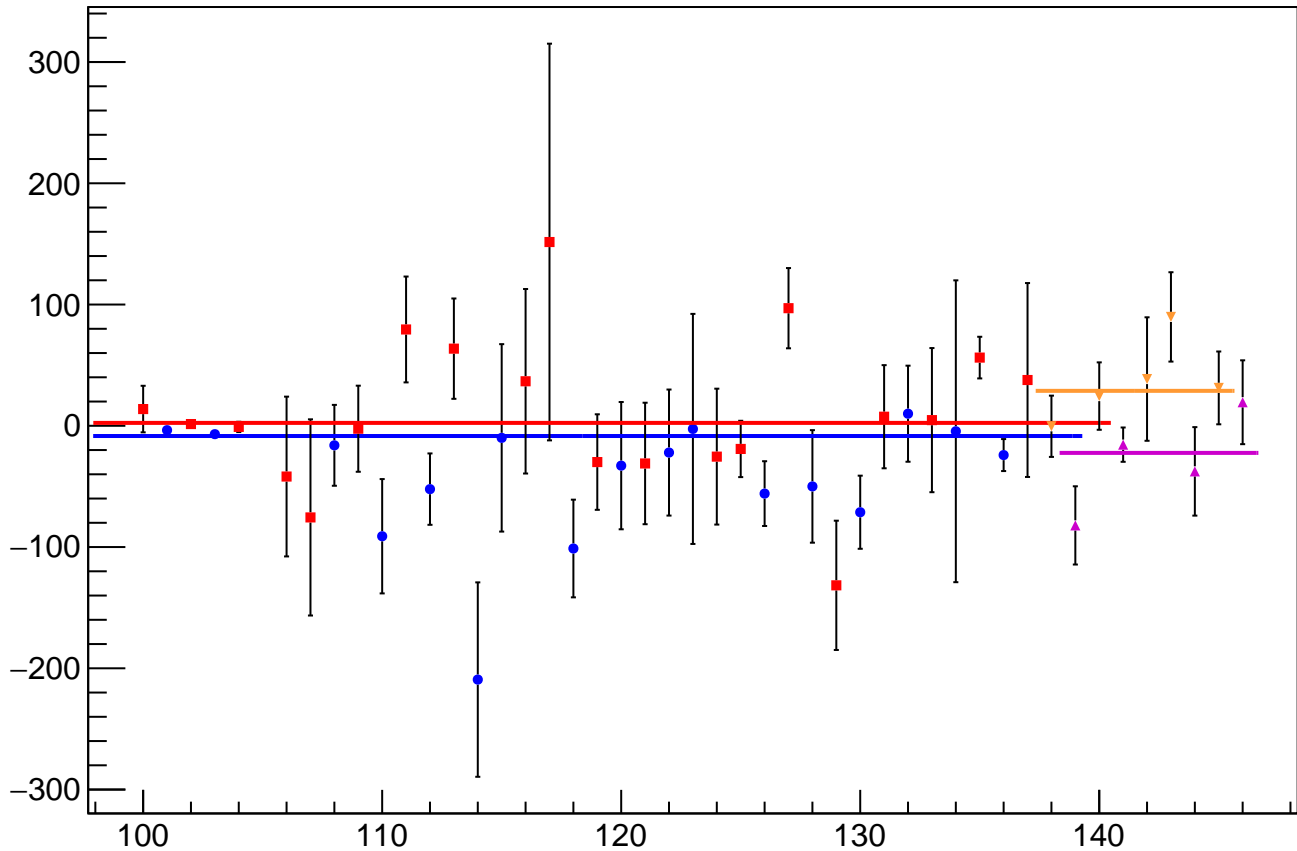
Right Out: 2579.794+/-0.768 χ^2 /NDF: 2365284.2/19

Left In: 1926.903+/-0.788 χ^2 /NDF:69128.1/3

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

2261.738+/-0.550 χ^2 /NDF: 2786032.5/23

diff_bpm0l03X_mean vs Slug



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

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

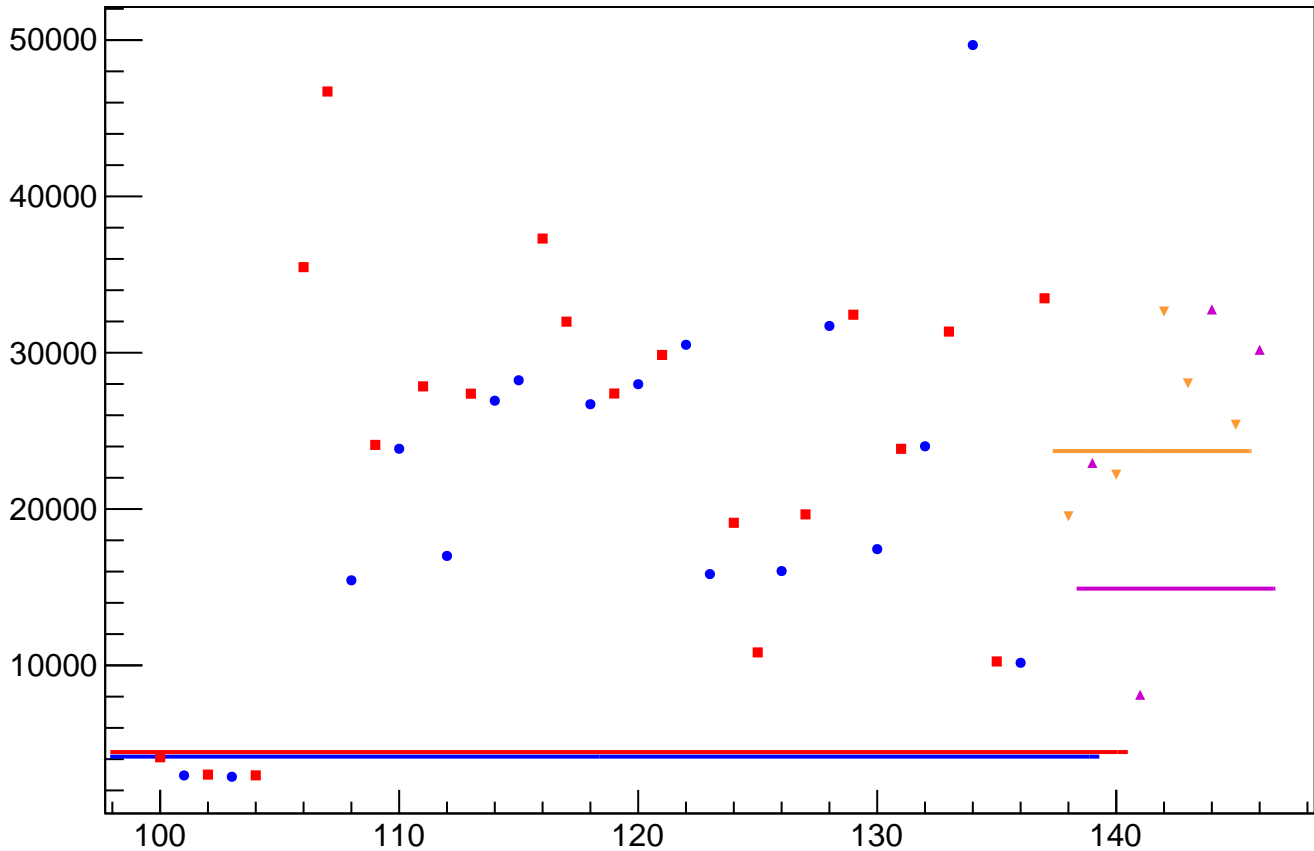
Left Out: 28.823 ± 14.013 $\chi^2/\text{NDF}: 4.1/4$

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

1.022 ± 2.708 $\chi^2/\text{NDF}: 45.2/23$

Left In: -22.352 ± 11.513 $\chi^2/\text{NDF}: 5.3/3$

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

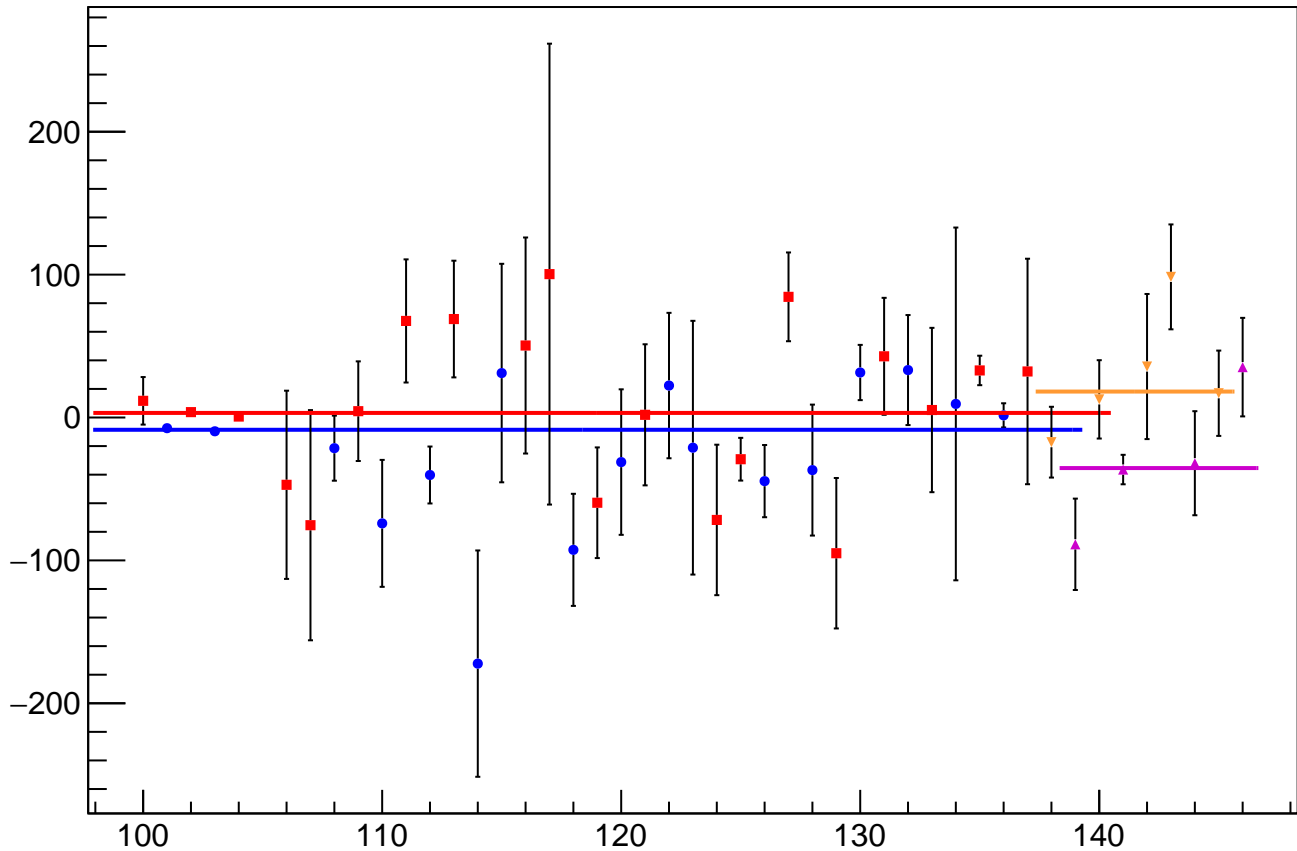
Right Out: 4455.114+/-1.970 χ^2/NDF : 7483602.5/19

Left In: 14909.057+/-8.141 χ^2/NDF : 1454632.2/3

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

5033.609+/-1.915 χ^2/NDF : 10496047.3/23

diff_bpm0l03Y_mean vs Slug



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

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

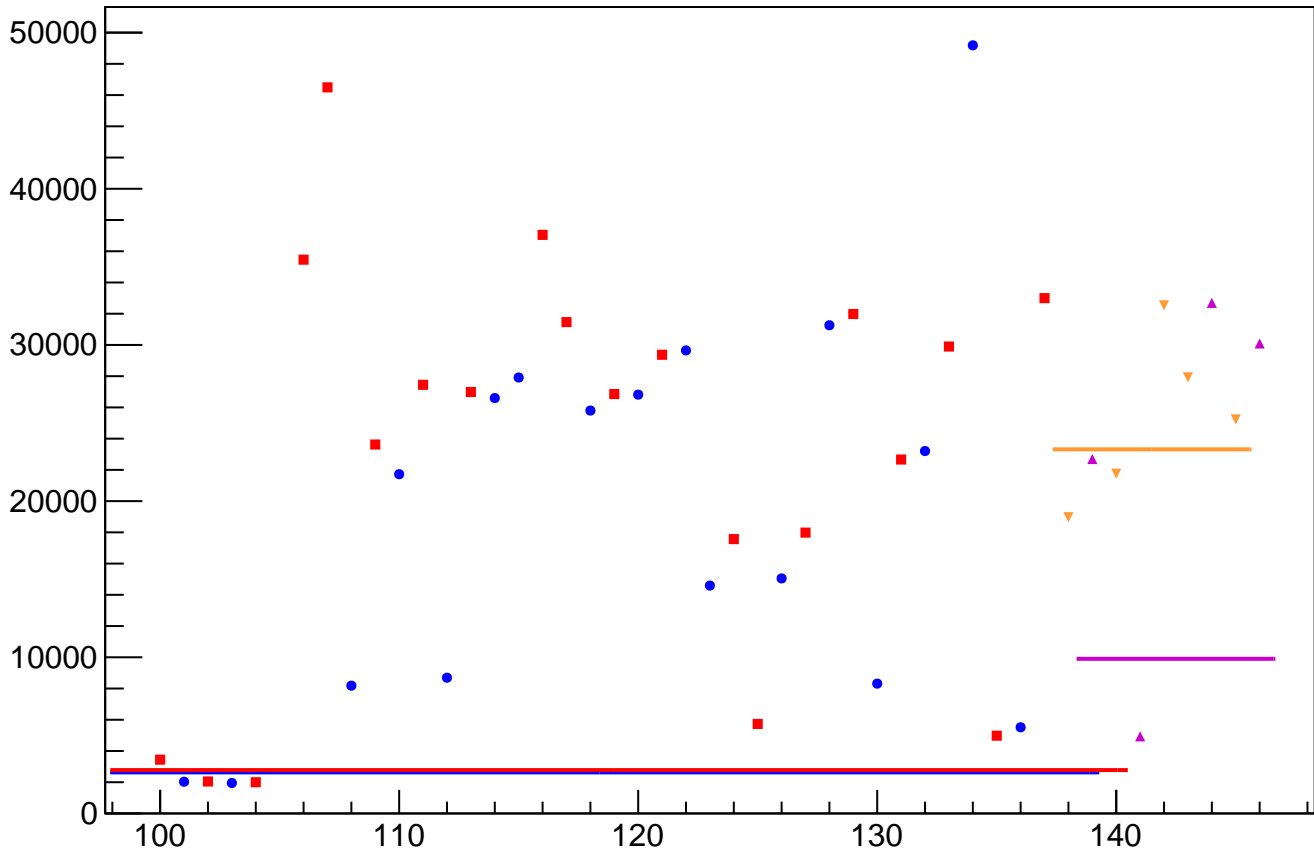
Right Out: 3.208 ± 1.922 $\chi^2/\text{NDF}: 37.2/19$

Left In: -35.384 ± 9.137 $\chi^2/\text{NDF}: 7.0/3$

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

1.572 ± 1.881 $\chi^2/\text{NDF}: 61.3/23$

diff_bpm0l03Y_rms vs Slug



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

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

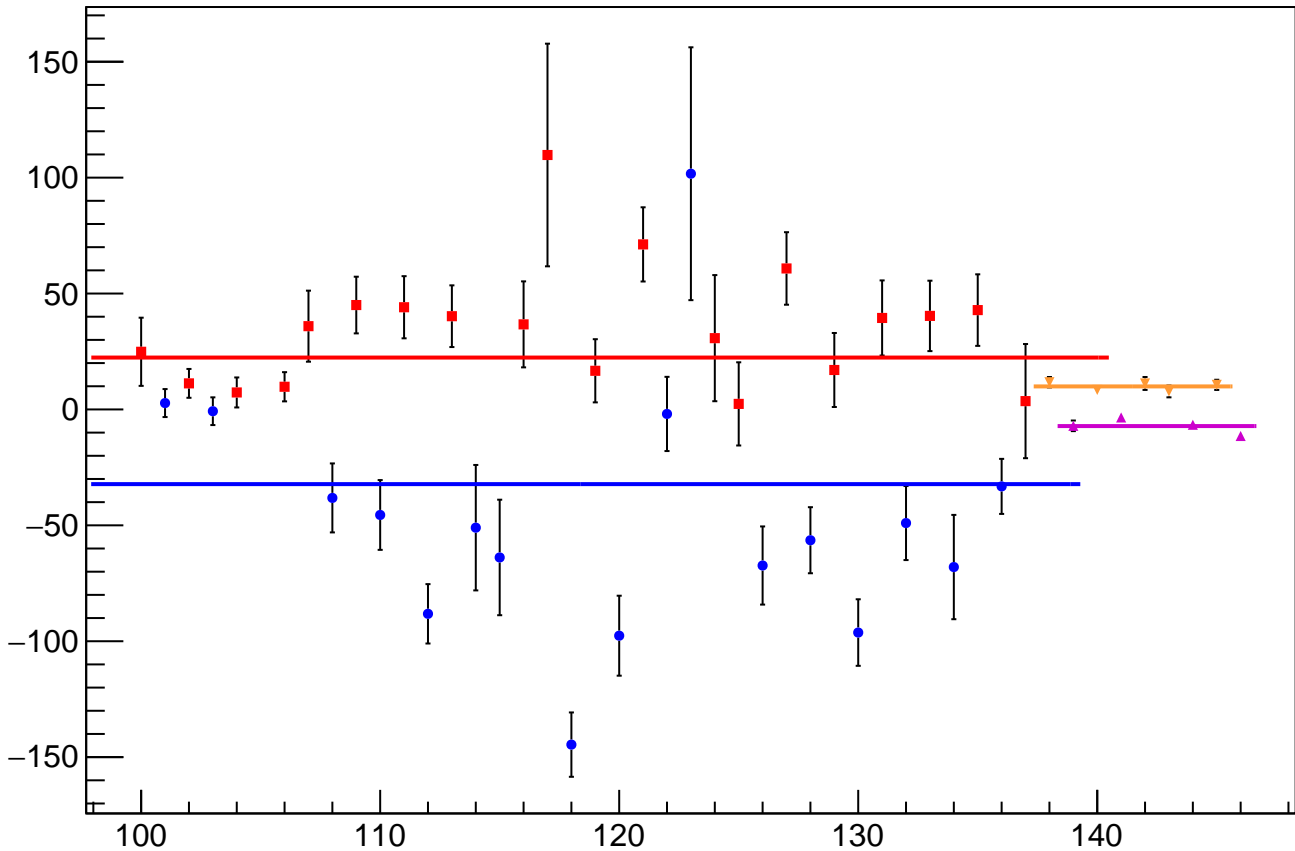
Left Out: 23314.189+/-9.794 χ^2/NDF : 173727.0/4

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

3079.428+/-1.330 χ^2/NDF : 11316903.0/23

Left In: 9901.342+/-6.461 χ^2/NDF : 2253441.3/3

diff_bpm0l04X_mean vs Slug



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

Left Out: 9.930 ± 1.051 χ^2/NDF : 2.2/4

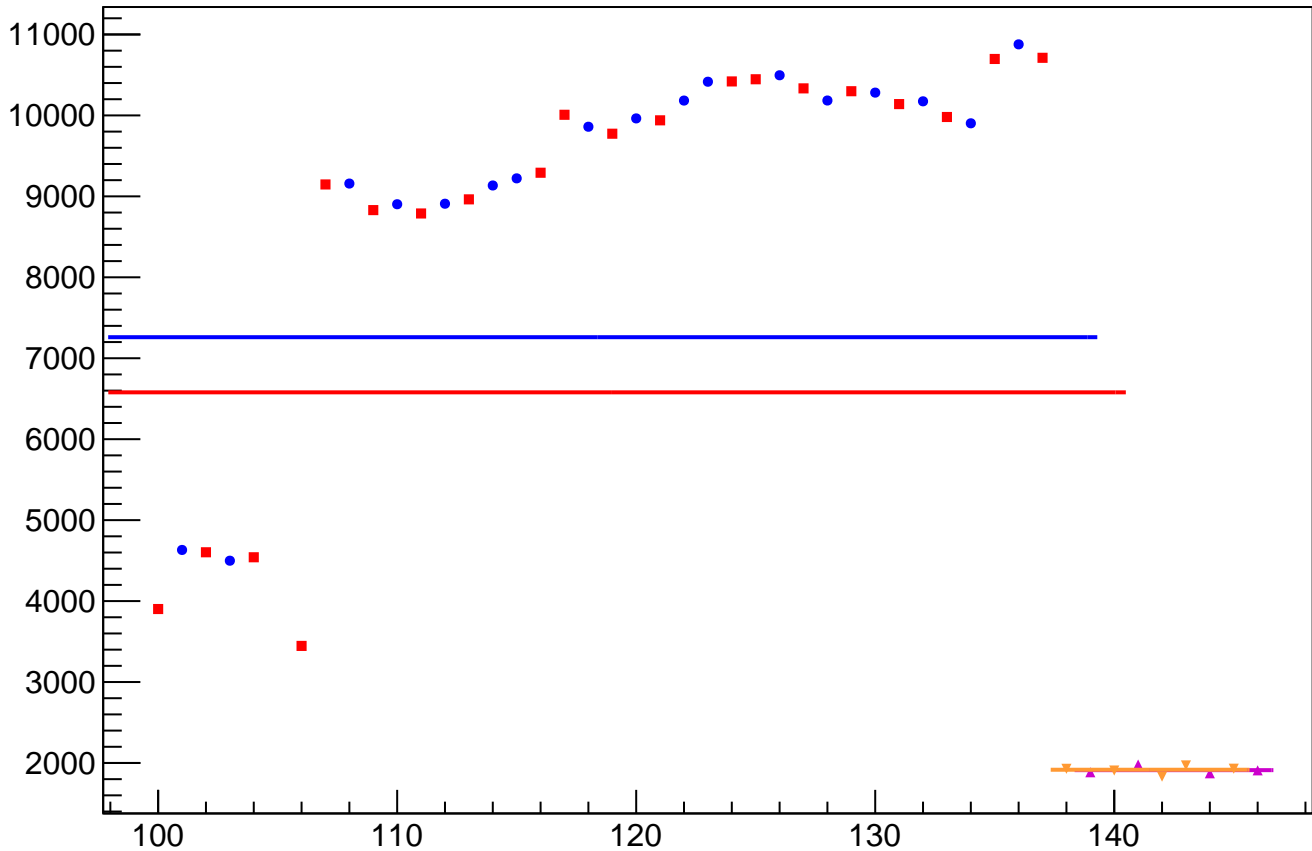
Right Out: 22.381 ± 2.665 χ^2/NDF : 47.0/19

Left In: -7.178 ± 1.069 χ^2/NDF : 7.1/3

5.269 ± 0.991 χ^2/NDF : 383.6/21

-3.080 ± 0.992 χ^2/NDF : 160.1/23

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

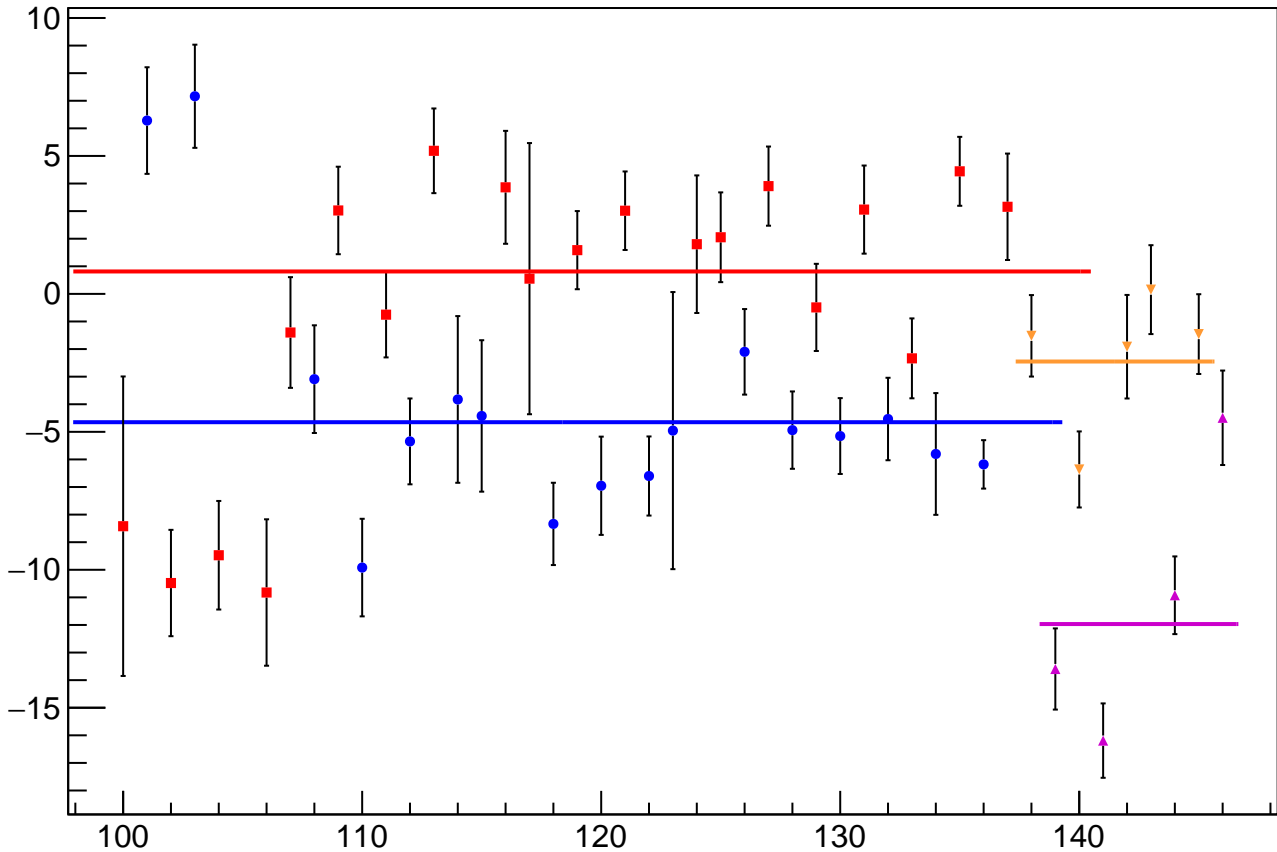
2507.274+/-0.701 χ^2 /NDF: 7353885.9/21

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

2558.393+/-0.702 χ^2 /NDF: 7493331.5/23

Left In: 1911.302+/-0.756 χ^2 /NDF:3061.2/3

diff_bpm0l04Y_mean vs Slug



Right In: -4.651 ± 0.393 $\chi^2/\text{NDF}: 97.6/16$

Left Out: -2.451 ± 0.685 $\chi^2/\text{NDF}: 11.6/4$

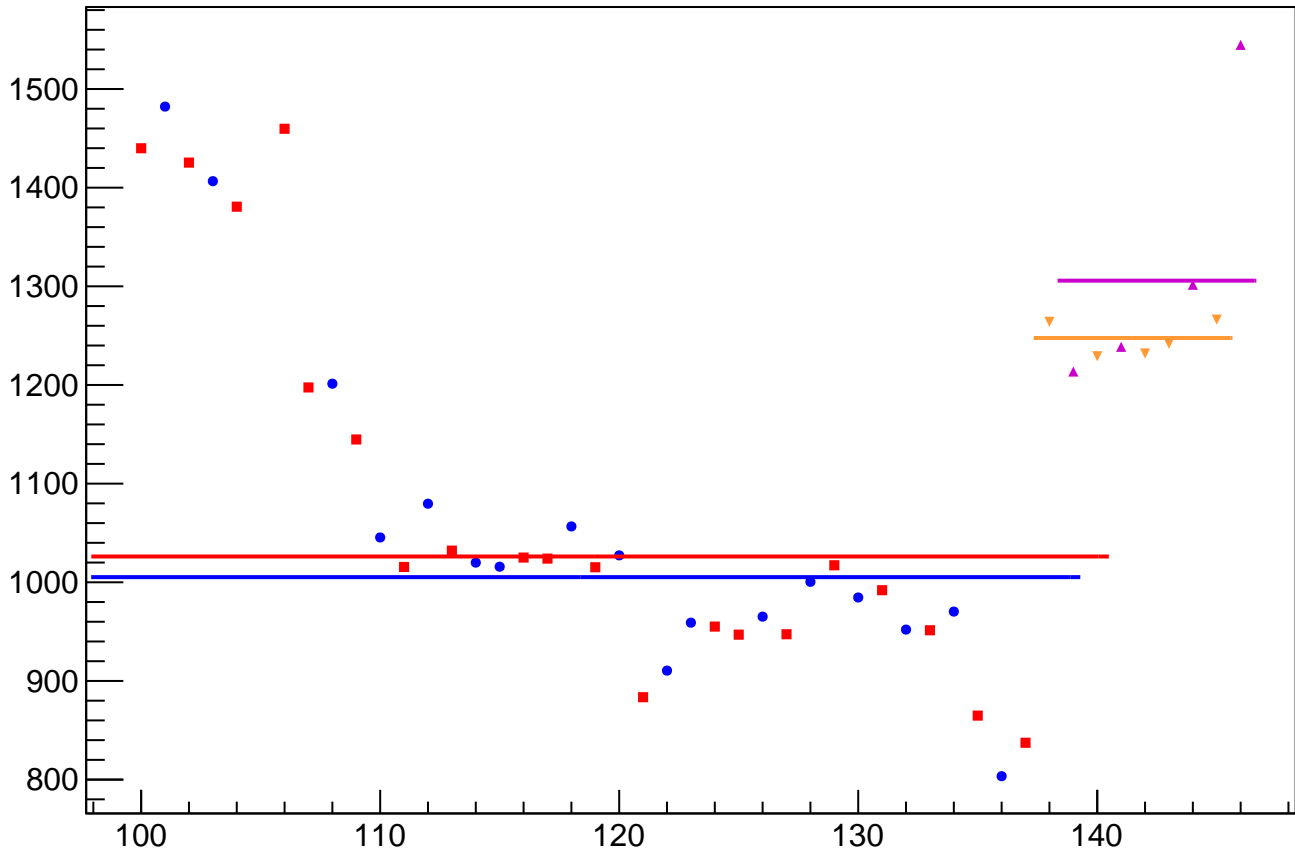
Right Out: 0.813 ± 0.387 $\chi^2/\text{NDF}: 123.7/19$

Left In: -11.967 ± 0.734 $\chi^2/\text{NDF}: 30.7/3$

-4.106 ± 0.341 $\chi^2/\text{NDF}: 117.0/21$

-1.972 ± 0.343 $\chi^2/\text{NDF}: 391.6/23$

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

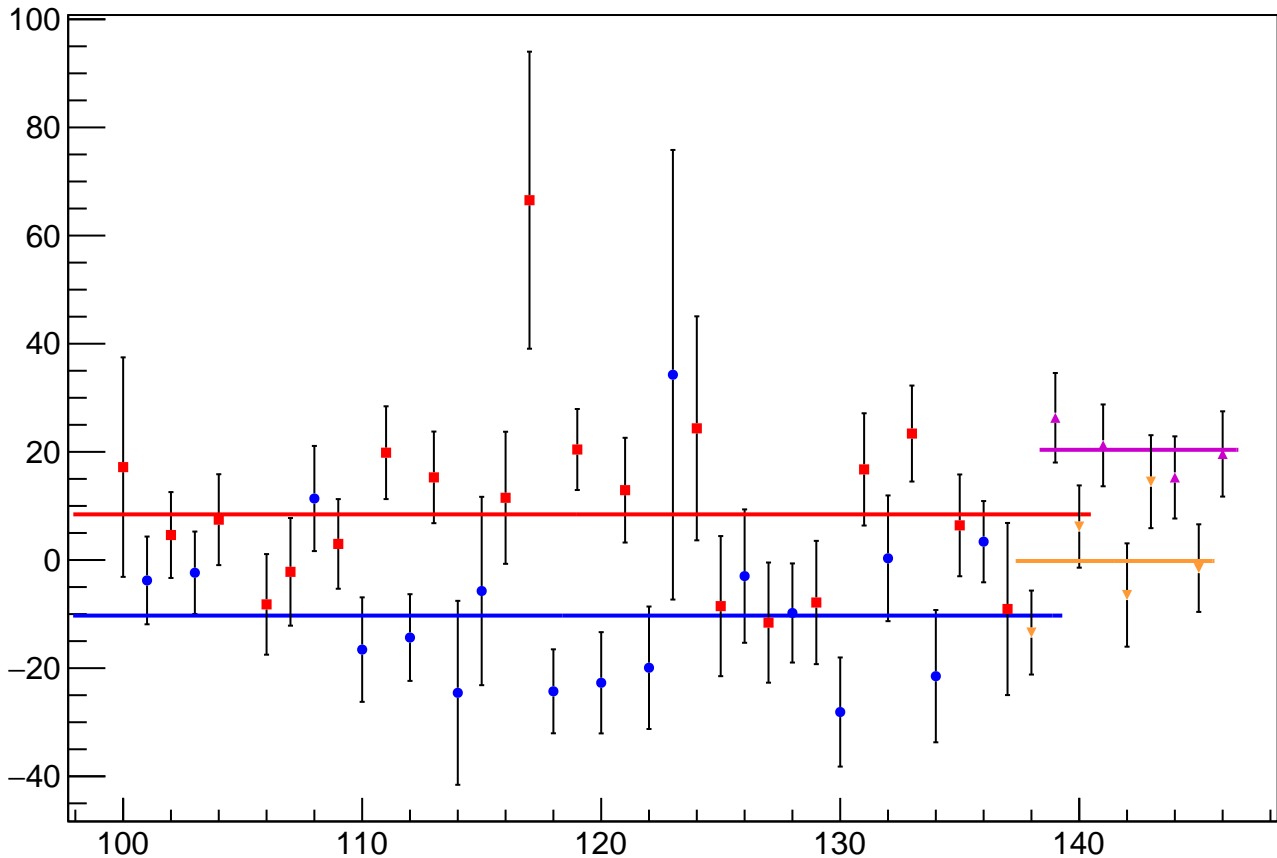
1065.206+/-0.241 χ^2 /NDF: 551690.2/21

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

1087.078+/-0.242 χ^2 /NDF: 612076.4/23

Left In: 1305.748+/-0.519 χ^2 /NDF: 51789.8/3

diff_bpm0l05X_mean vs Slug



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

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

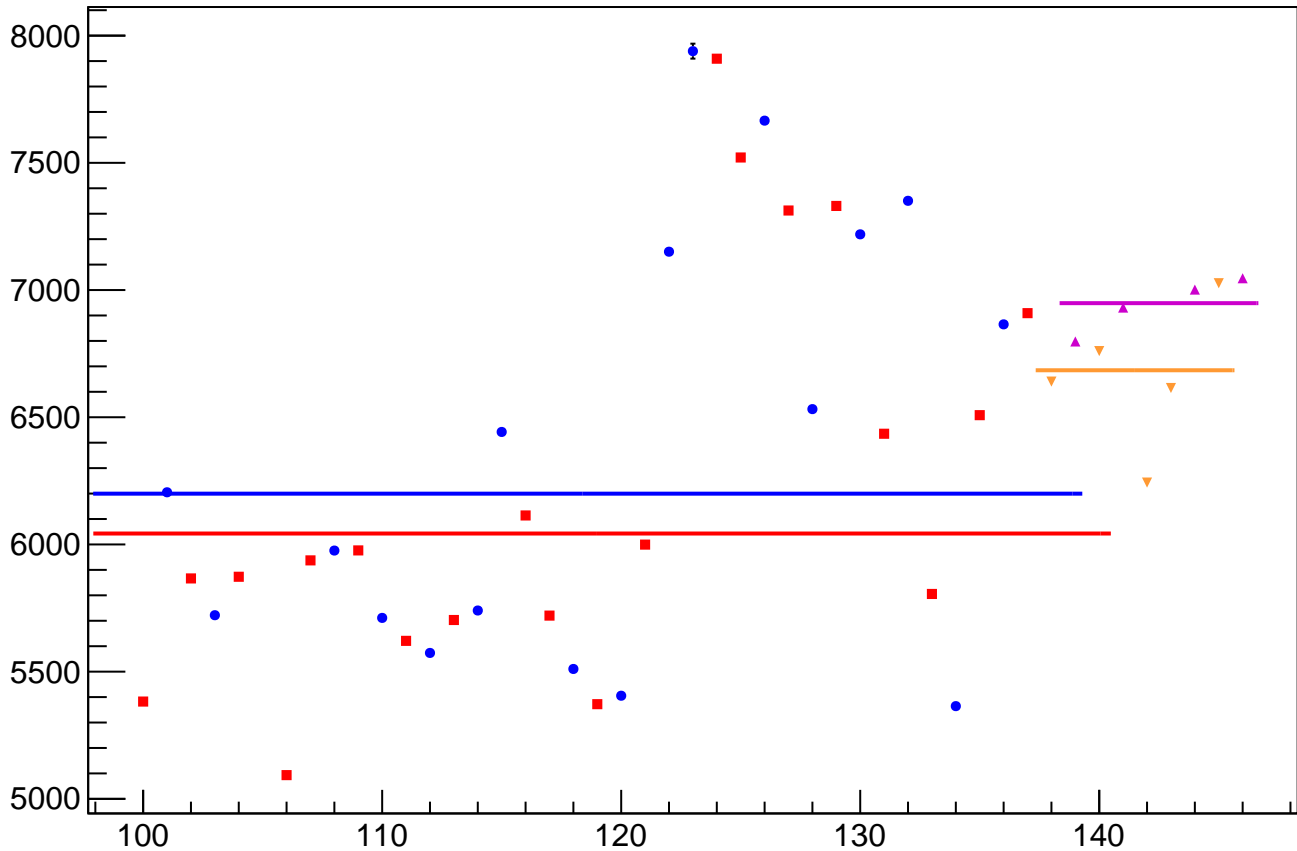
Right Out: 8.441 ± 2.271 $\chi^2/\text{NDF}: 27.3/19$

Left In: 20.380 ± 3.908 $\chi^2/\text{NDF}: 1.0/3$

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

11.454 ± 1.963 $\chi^2/\text{NDF}: 35.2/23$

diff_bpm0l05X_rms vs Slug



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

Left Out: 6684.656+/-2.607 χ^2/NDF : 8230.1/4

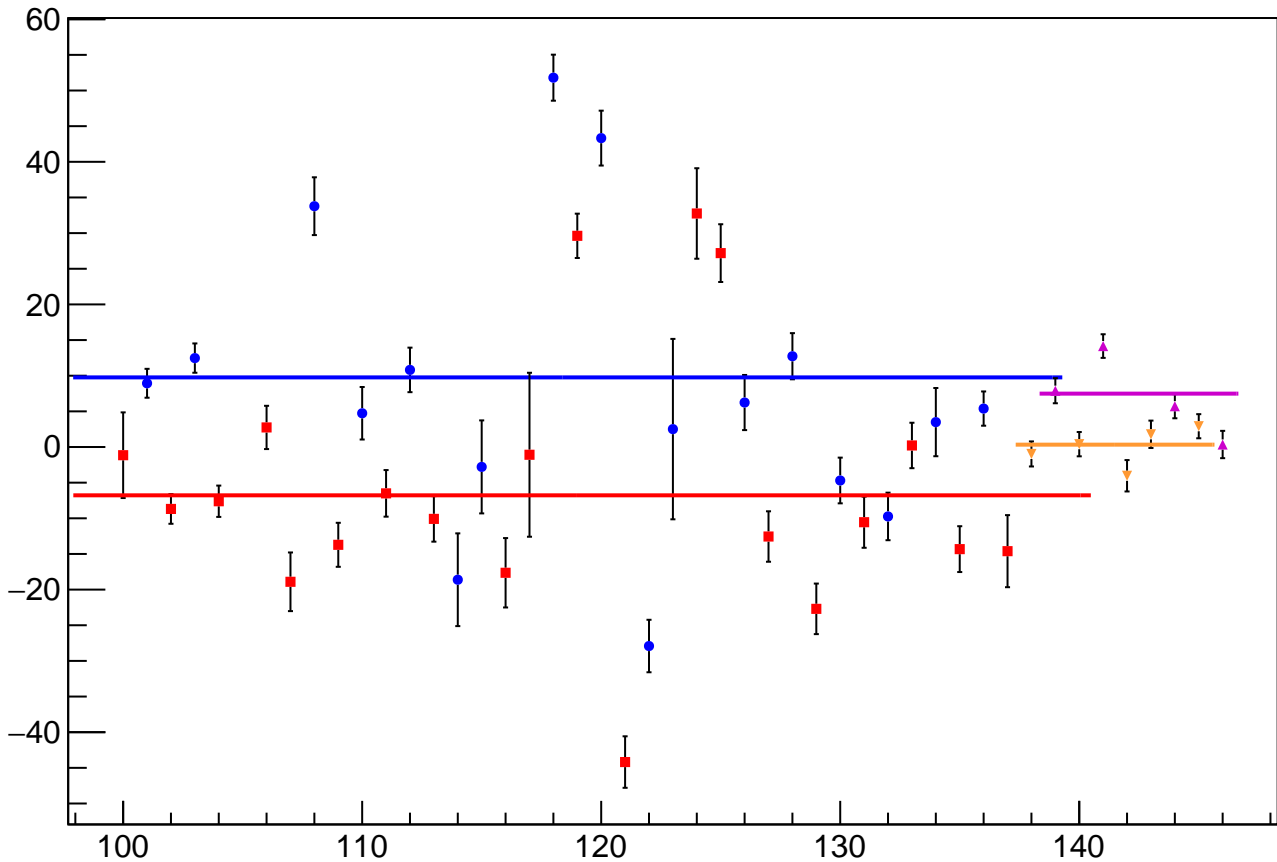
6344.664+/-1.425 χ^2/NDF : 204260.5/21

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

6271.443+/-1.388 χ^2/NDF : 239938.8/23

Left In: 6948.439+/-2.764 χ^2/NDF : 1079.0/3

diff_bpm0l05Y_mean vs Slug



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

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

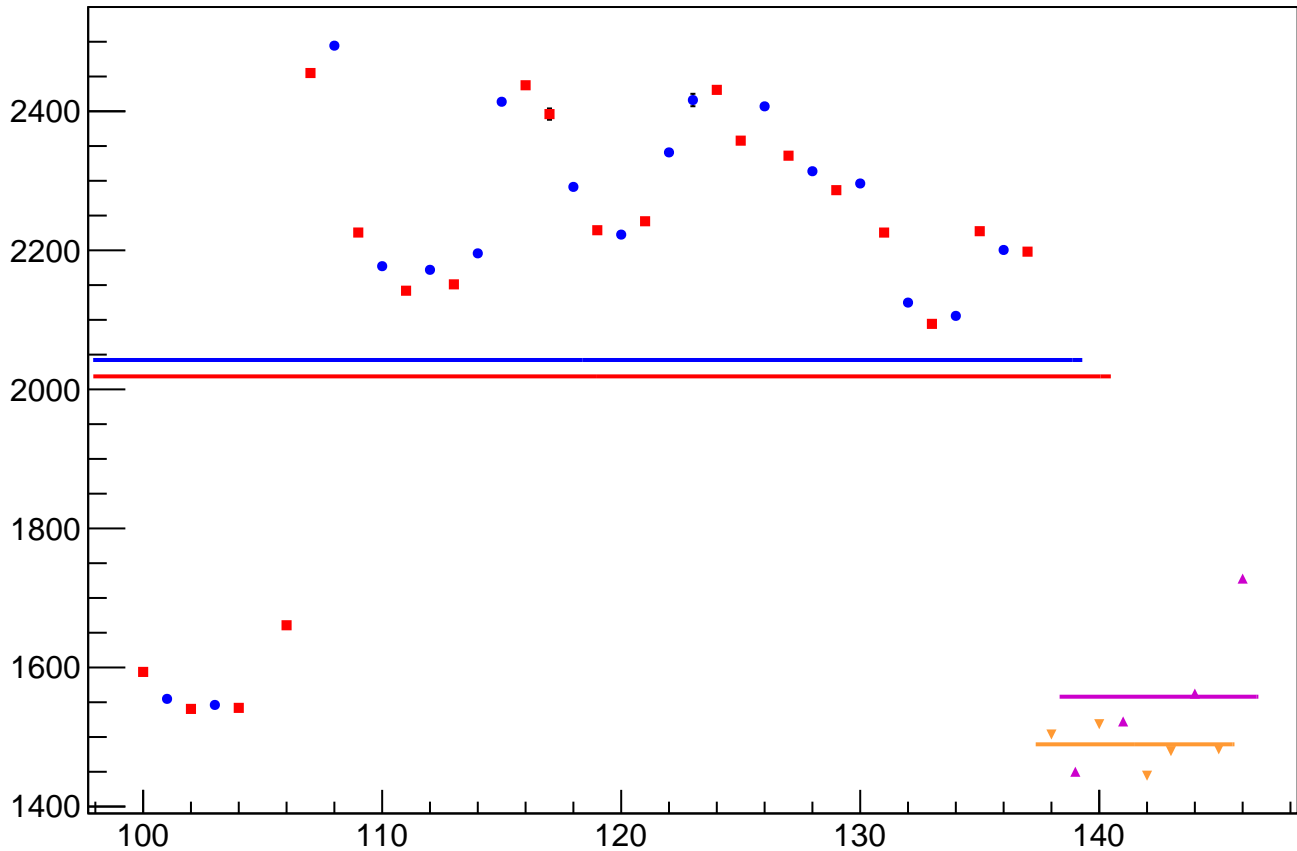
Right Out: -6.776 ± 0.763 $\chi^2/\text{NDF}: 422.1/19$

Left In: 7.486 ± 0.874 $\chi^2/\text{NDF}: 31.2/3$

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

-0.607 ± 0.575 $\chi^2/\text{NDF}: 604.4/23$

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

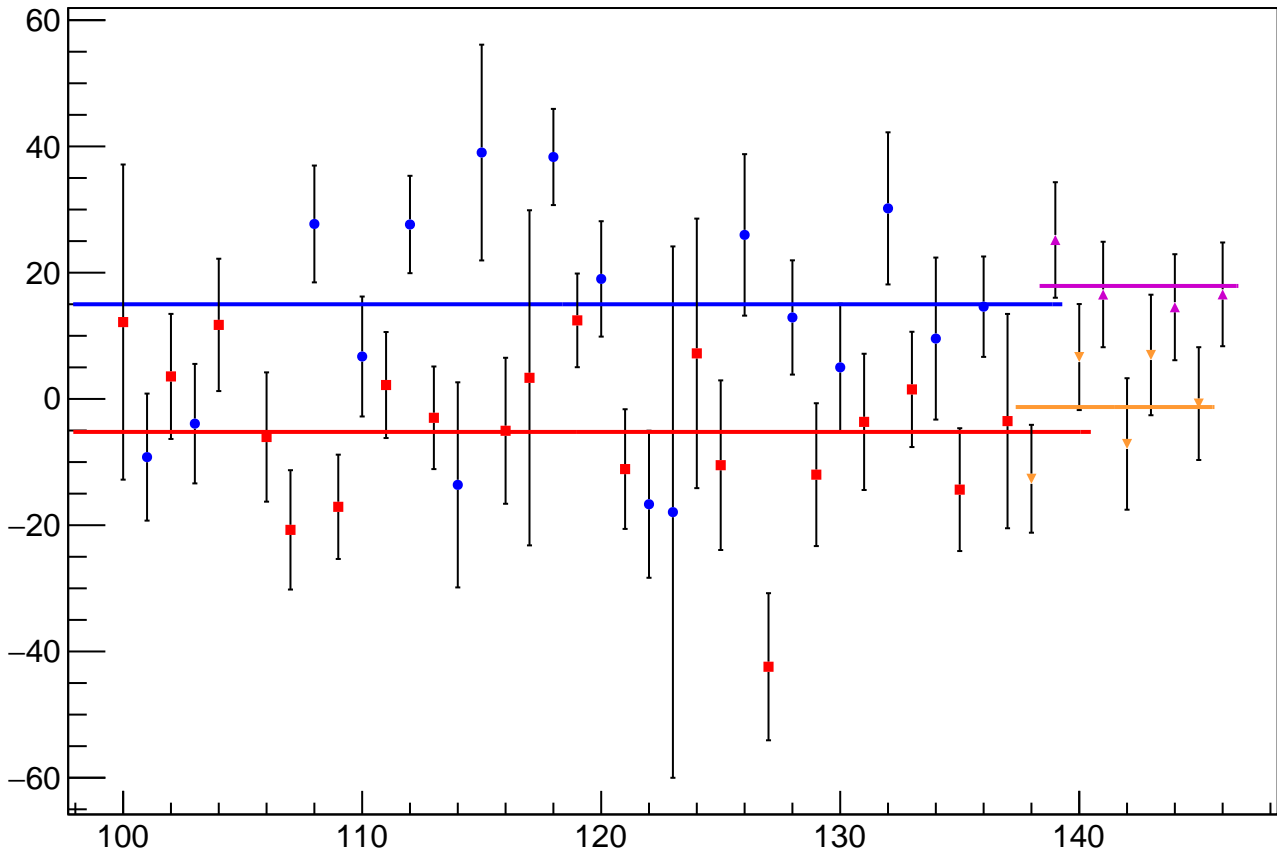
Right Out: 2018.694 +/- 0.540 χ^2/NDF : 377792.4/19

Left In: 1557.980 +/- 0.618 χ^2/NDF : 24197.3/3

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

1819.424 +/- 0.406 χ^2/NDF : 717322.7/23

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

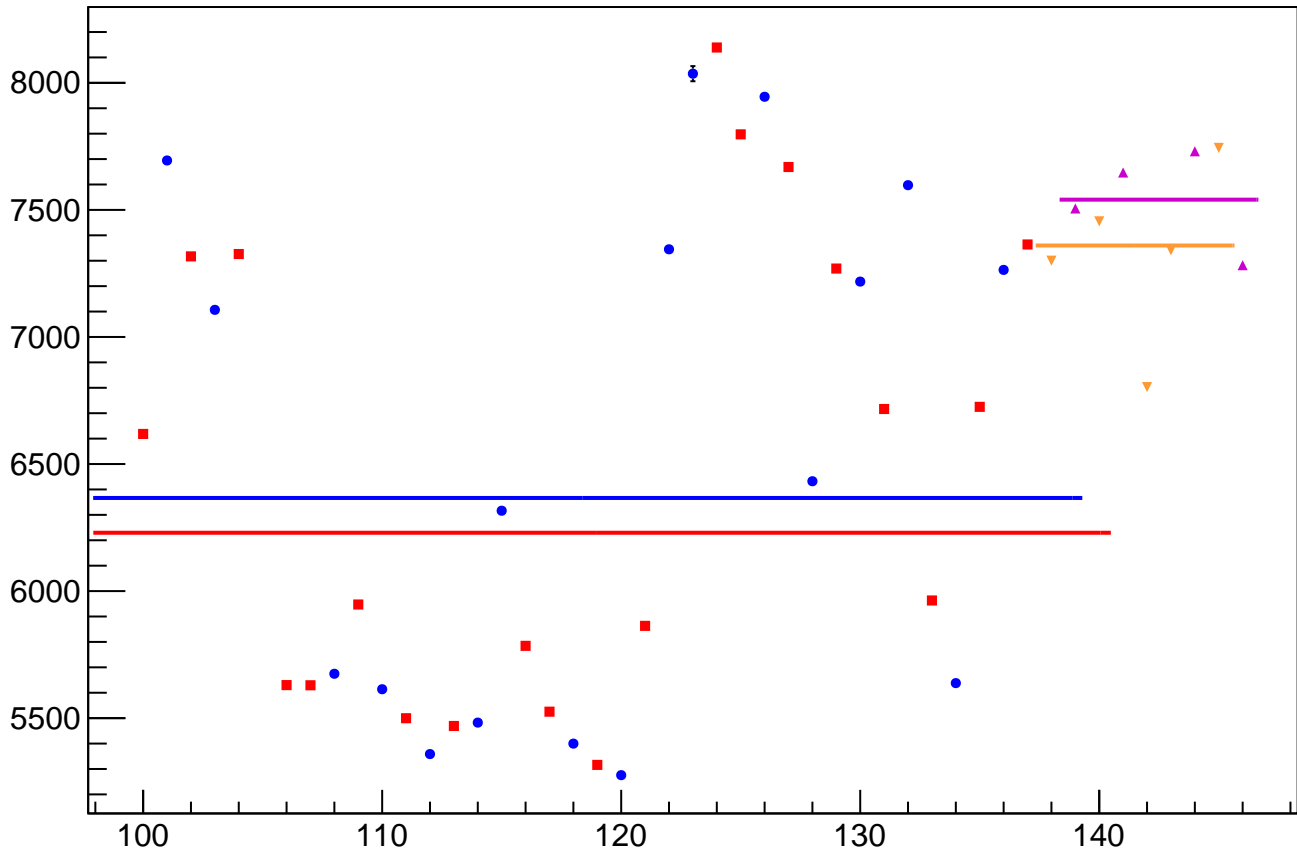
Right Out: -5.223 \pm 2.348 χ^2 /NDF: 28.2/19

Left In: 17.899 \pm 4.253 χ^2 /NDF:0.8/3

10.562 \pm 2.120 χ^2 /NDF: 56.7/21

0.178 \pm 2.056 χ^2 /NDF: 51.7/23

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

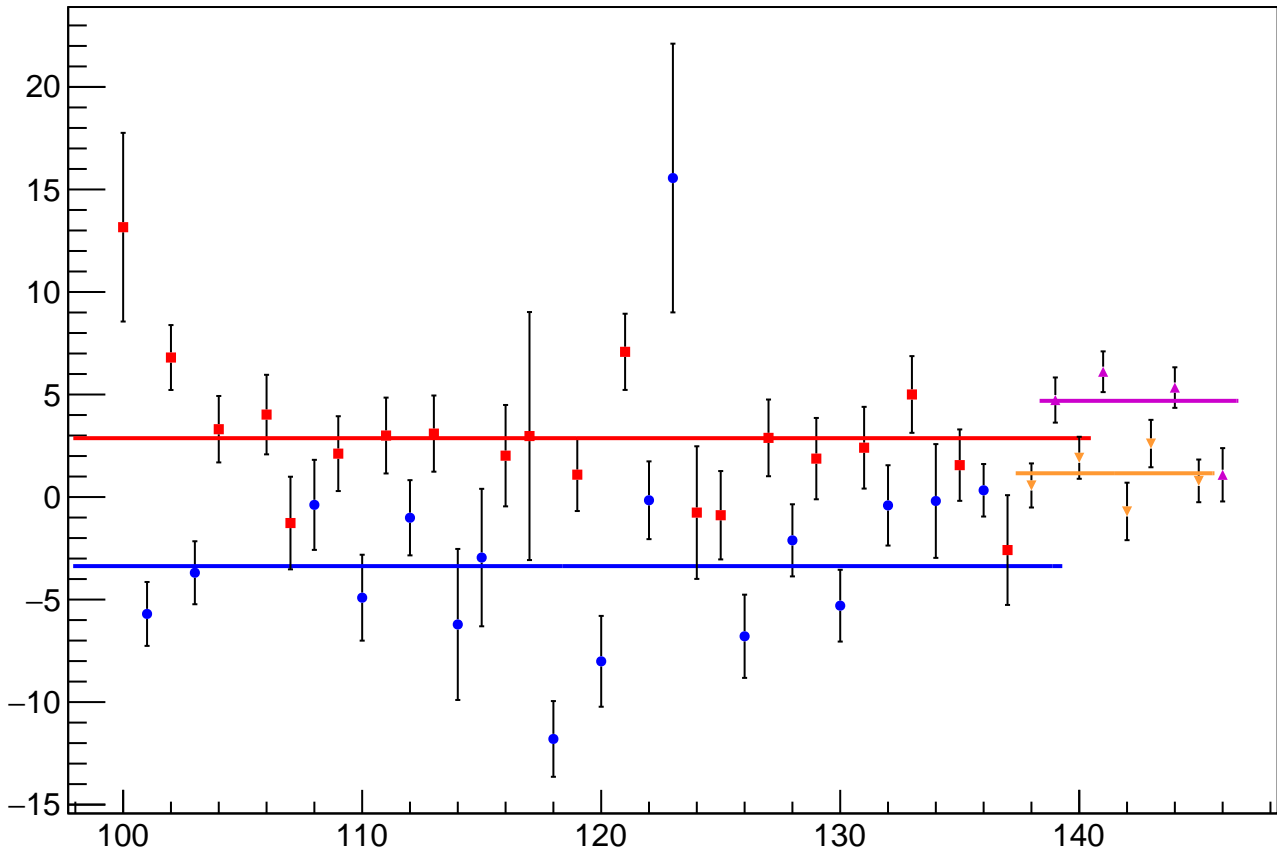
Right Out: 6229.625 +/- 1.660 χ^2/NDF : 244622.7/19

Left In: 7540.328 +/- 3.008 χ^2/NDF : 3353.7/3

6637.117 +/- 1.499 χ^2/NDF : 383335.6/21

6535.787 +/- 1.454 χ^2/NDF : 393534.2/23

diff_bpm0l06Y_mean vs Slug



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

Left Out: 1.160 ± 0.500 χ^2/NDF : 4.3/4

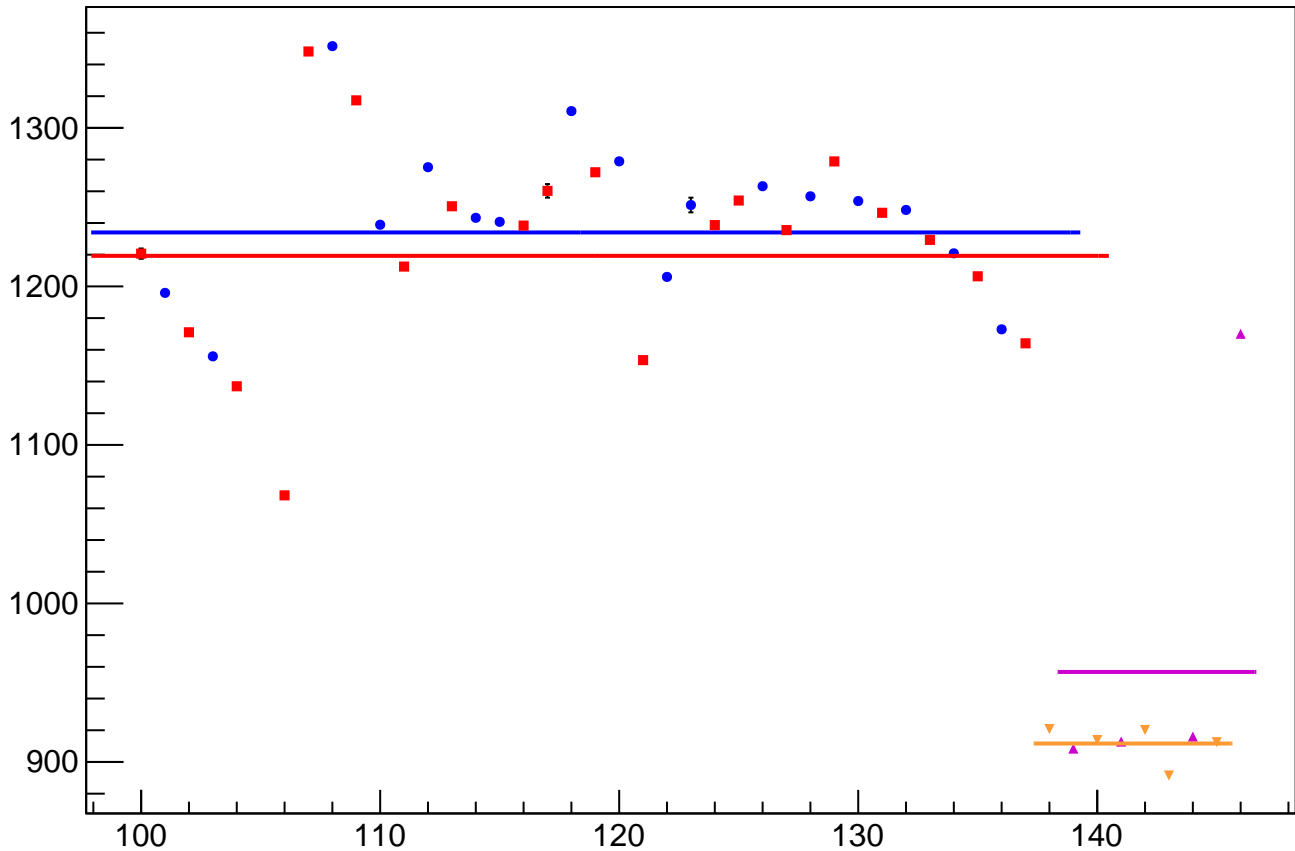
Right Out: 2.871 ± 0.455 χ^2/NDF : 32.0/19

Left In: 4.692 ± 0.538 χ^2/NDF : 10.2/3

-1.218 ± 0.345 χ^2/NDF : 107.2/21

3.630 ± 0.348 χ^2/NDF : 48.9/23

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

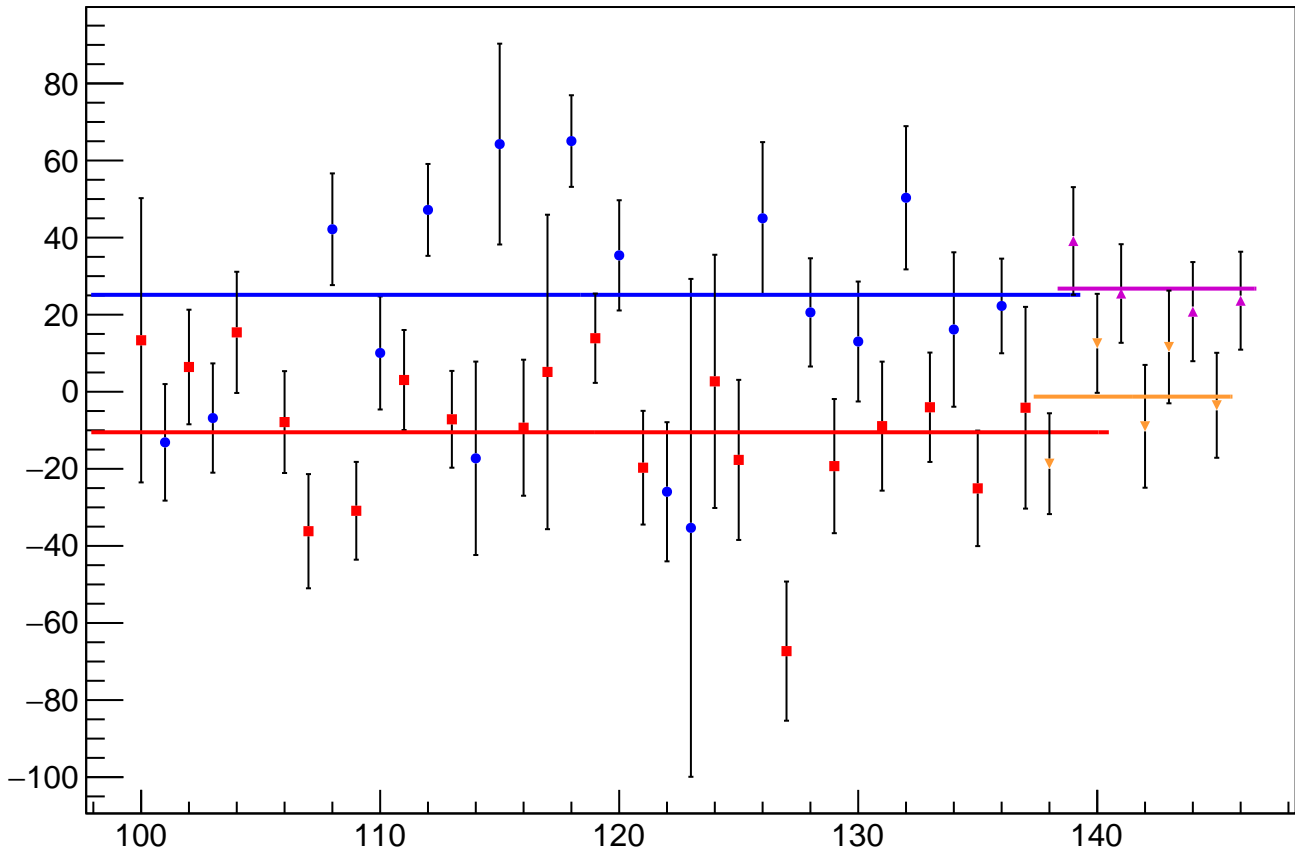
Right Out: 1219.275+/-0.322 χ^2/NDF : 40462.8/19

Left In: 956.784+/-0.381 χ^2/NDF : 64972.9/3

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

1109.836+/-0.246 χ^2/NDF : 382822.0/23

diff_bpm0l07X_mean vs Slug



Right In: 25.149 ± 3.837 $\chi^2/\text{NDF}: 46.9/16$

17.853 ± 3.265 $\chi^2/\text{NDF}: 64.0/21$

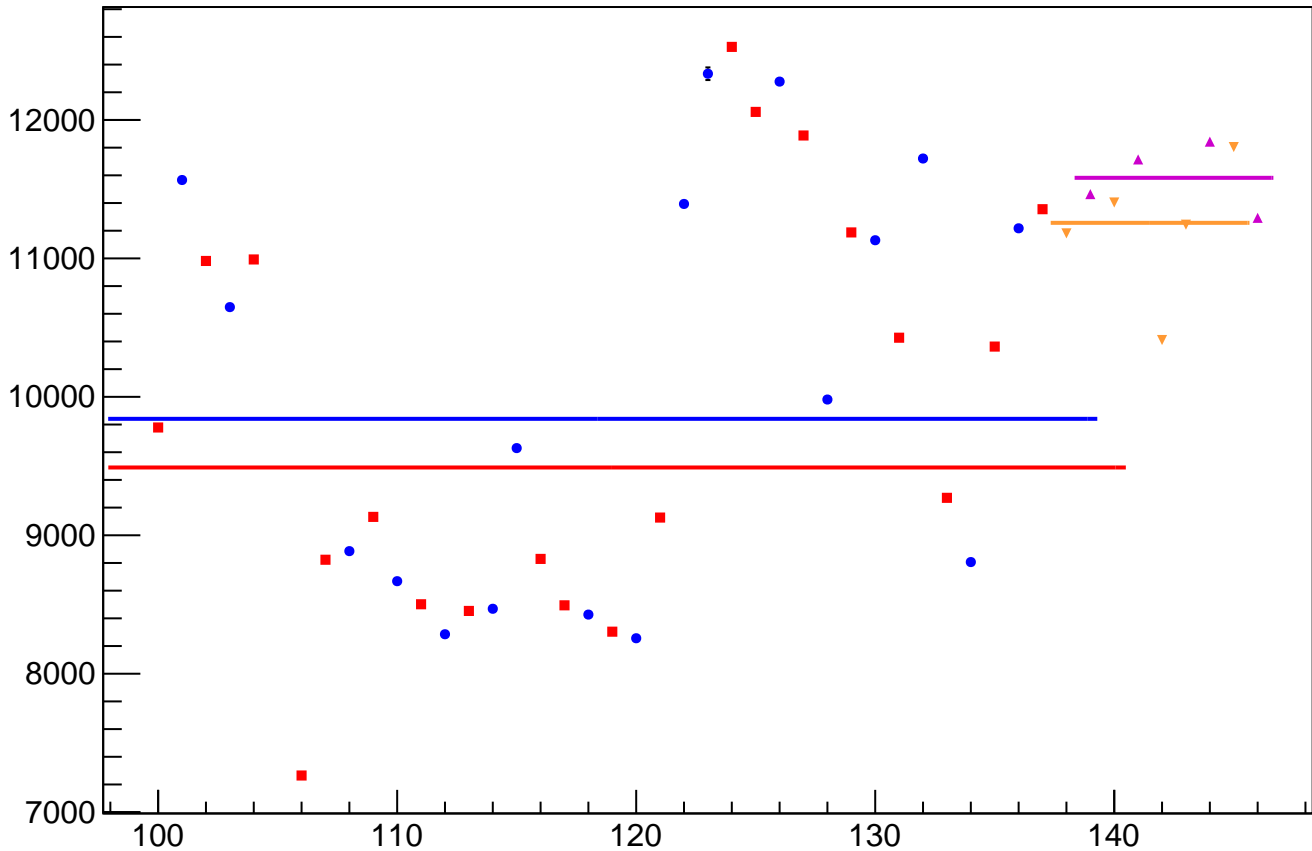
Left Out: -1.266 ± 6.212 $\chi^2/\text{NDF}: 4.0/4$

-1.892 ± 3.140 $\chi^2/\text{NDF}: 54.0/23$

Right Out: -10.513 ± 3.581 $\chi^2/\text{NDF}: 27.8/19$

Left In: 26.761 ± 6.528 $\chi^2/\text{NDF}: 1.1/3$

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

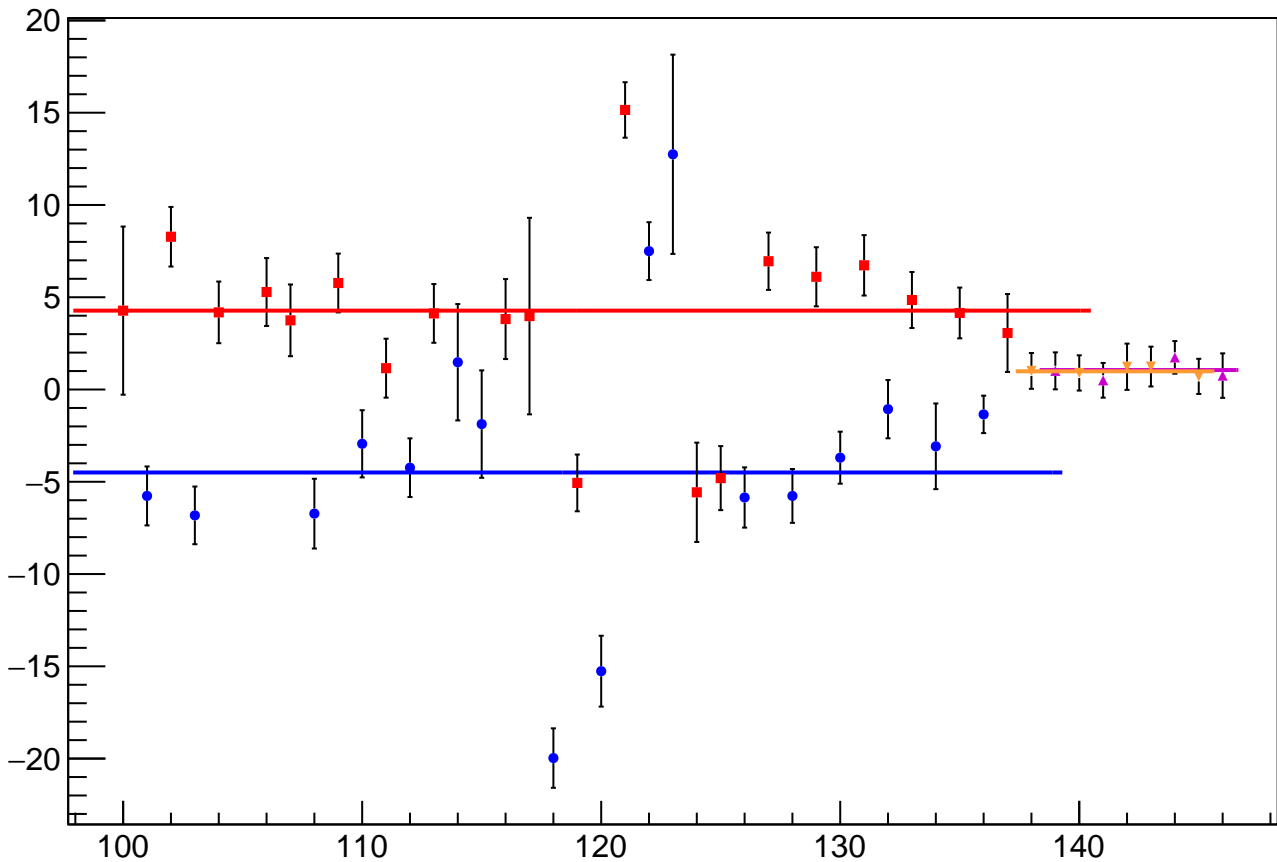
Right Out: 9489.753+/-2.532 χ^2 /NDF: 277900.5/19

Left In: 11582.114+/-4.616 χ^2 /NDF: 2216.8/3

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

9973.684+/-2.220 χ^2 /NDF: 438056.9/23

diff_bpm0l07Y_mean vs Slug



Right In: -4.497 ± 0.408 $\chi^2/\text{NDF}: 218.4/16$

Left Out: 0.987 ± 0.459 $\chi^2/\text{NDF}: 0.2/4$

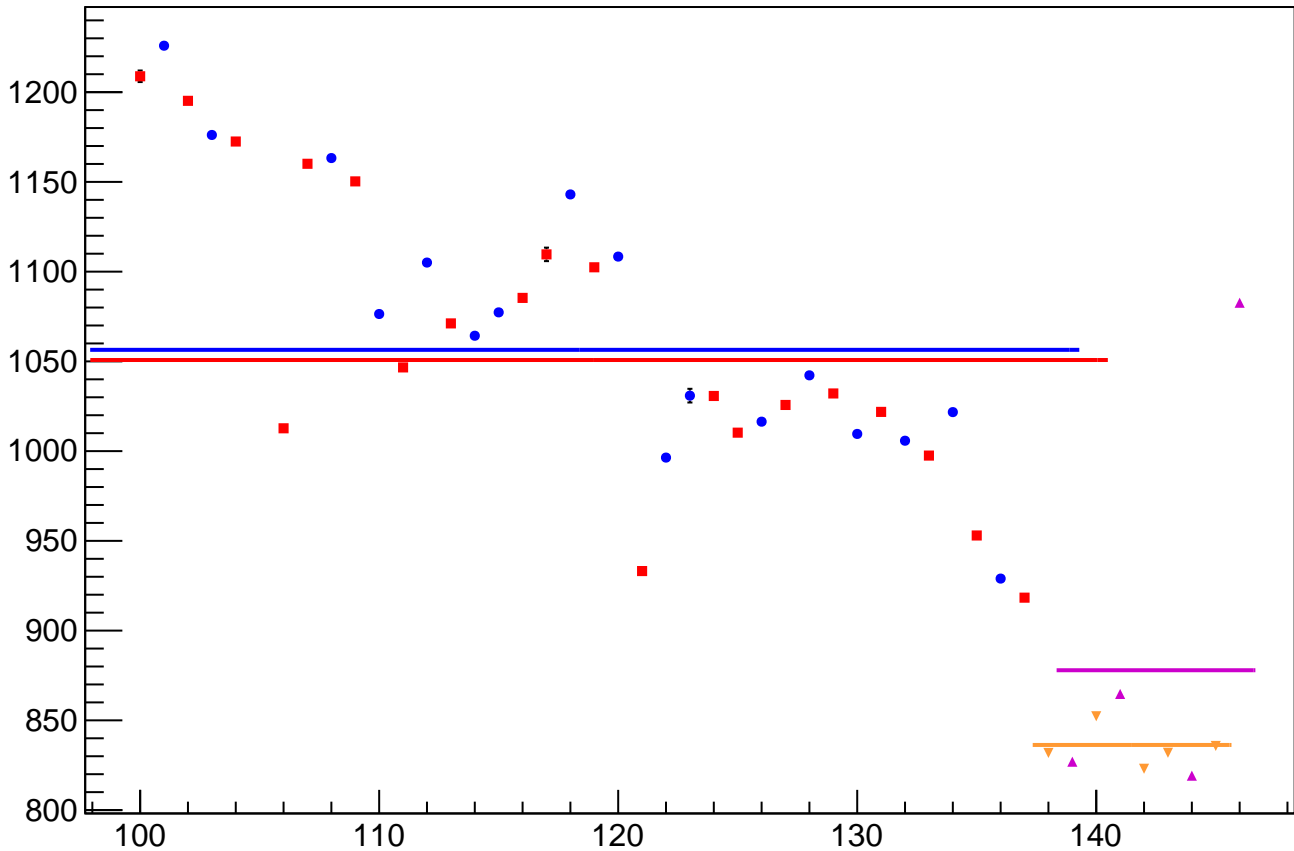
Right Out: 4.275 ± 0.393 $\chi^2/\text{NDF}: 148.2/19$

Left In: 1.055 ± 0.494 $\chi^2/\text{NDF}: 1.0/3$

-2.073 ± 0.305 $\chi^2/\text{NDF}: 298.4/21$

3.029 ± 0.308 $\chi^2/\text{NDF}: 175.3/23$

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

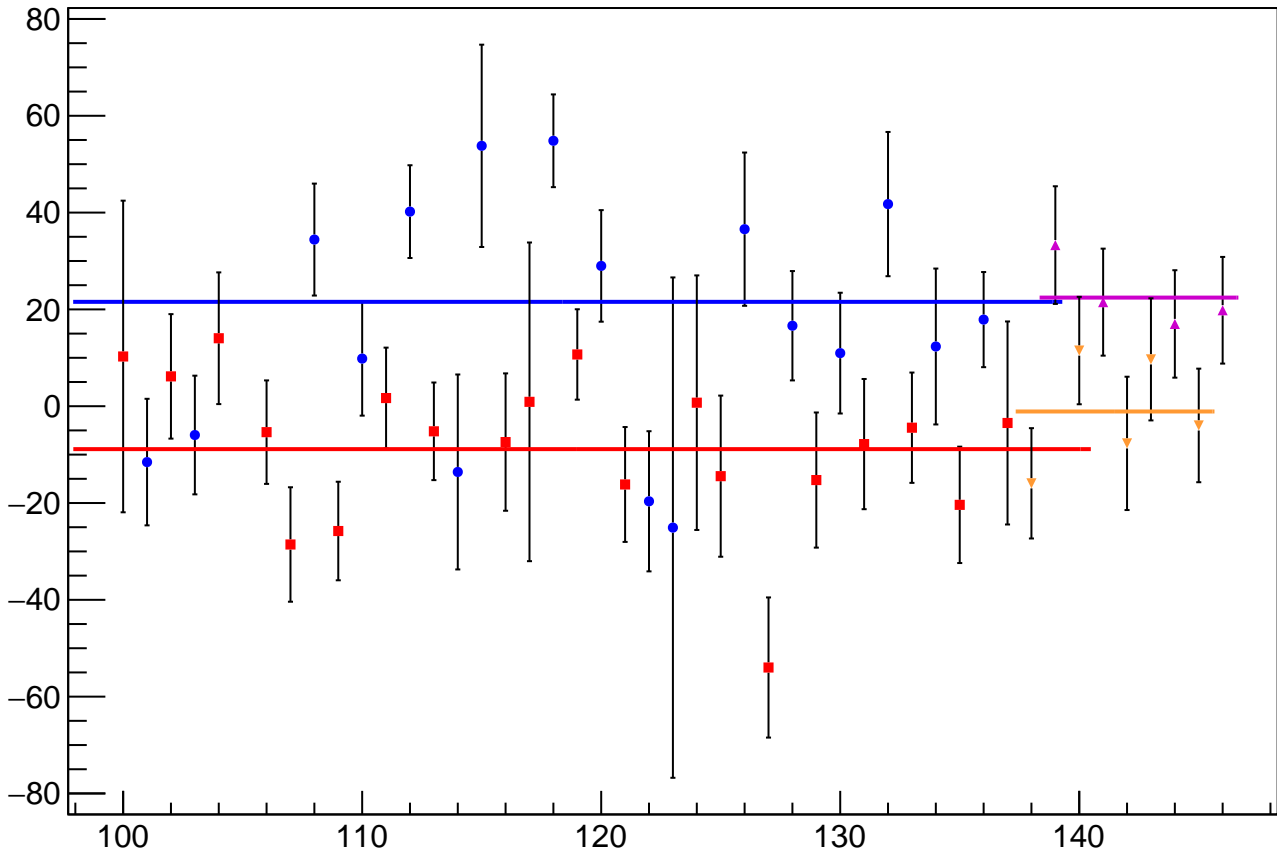
Right Out: 1050.765 \pm 0.278 χ^2/NDF : 82642.2/19

Left In: 877.917 \pm 0.350 χ^2/NDF : 72040.6/3

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

983.870 \pm 0.217 χ^2/NDF : 304541.3/23

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

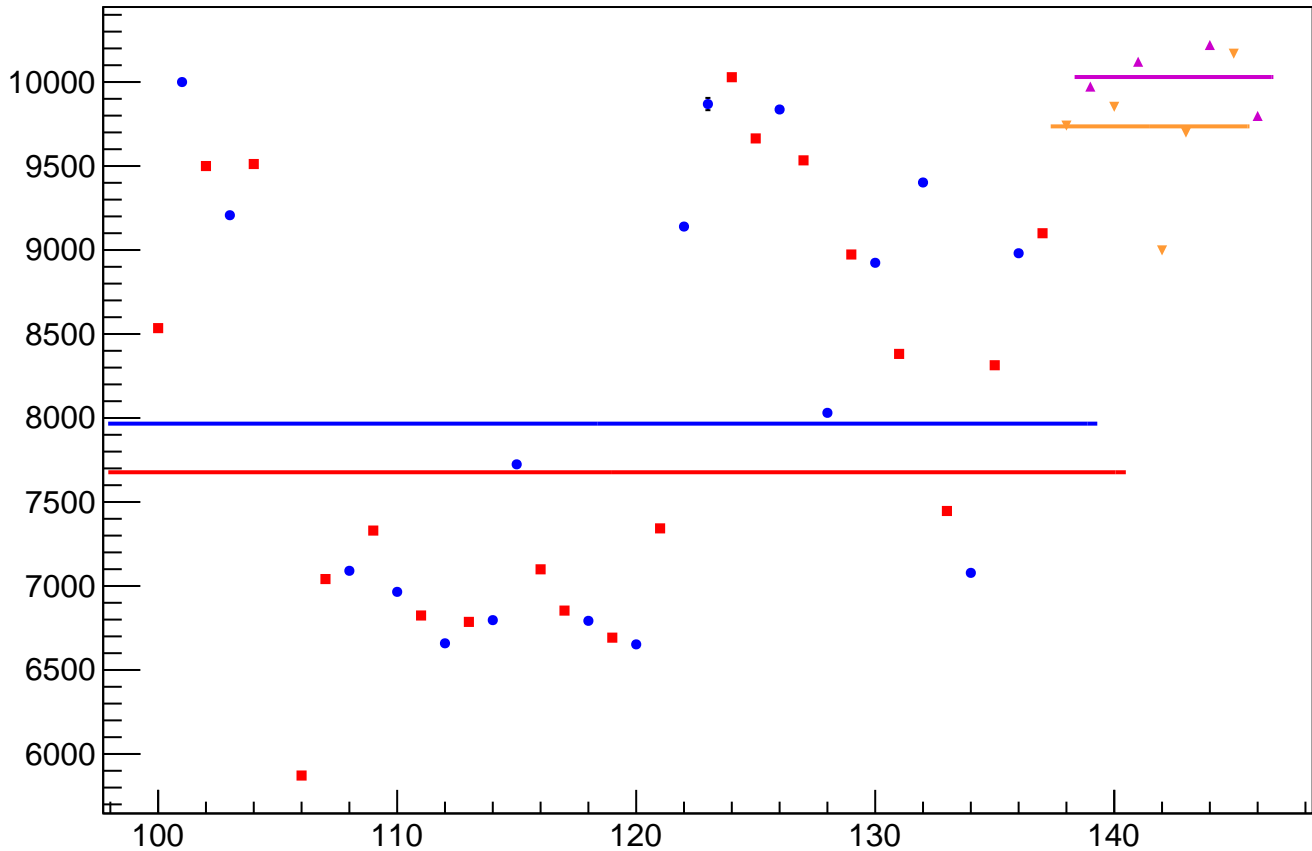
Right Out: -8.867+/-2.901 χ^2 /NDF: 27.5/19

Left In: 22.439+/-5.652 χ^2 /NDF:1.1/3

15.875+/-2.692 χ^2 /NDF: 65.7/21

-2.340+/-2.581 χ^2 /NDF: 52.9/23

diff_bpm0l08X_rms vs Slug



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

Left Out: 9735.898 \pm 3.799 χ^2/NDF : 8706.4/4

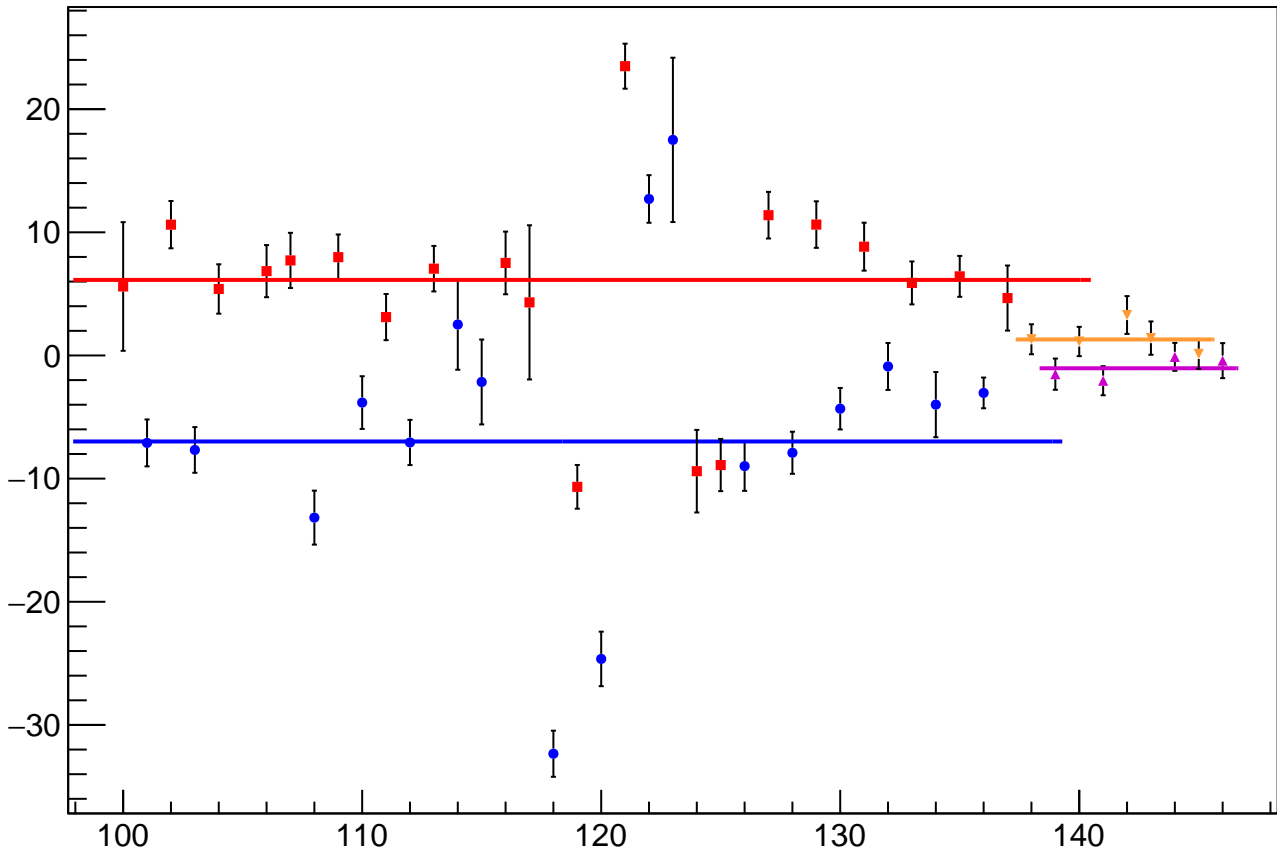
Right Out: 7677.035 \pm 2.051 χ^2/NDF : 316295.2/19

Left In: 10029.775 \pm 3.996 χ^2/NDF : 1653.7/3

8410.629 \pm 1.903 χ^2/NDF : 467820.7/21

8167.546 \pm 1.825 χ^2/NDF : 592292.7/23

diff_bpm0l08Y_mean vs Slug



Right In: -6.984 ± 0.486 $\chi^2/\text{NDF}: 408.5/16$

Left Out: 1.300 ± 0.574 $\chi^2/\text{NDF}: 2.6/4$

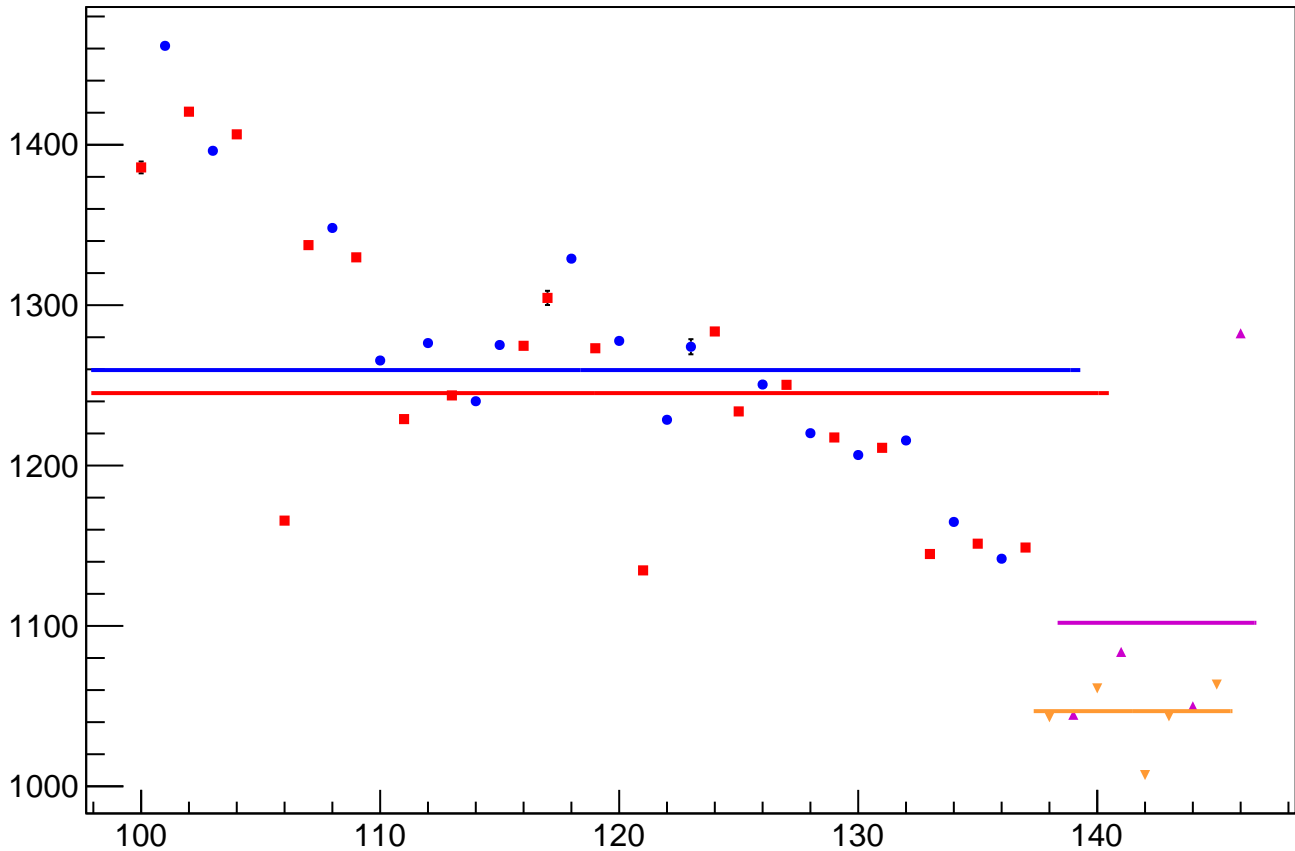
Right Out: 6.135 ± 0.465 $\chi^2/\text{NDF}: 277.6/19$

Left In: -1.039 ± 0.619 $\chi^2/\text{NDF}: 1.7/3$

-3.526 ± 0.371 $\chi^2/\text{NDF}: 532.3/21$

3.542 ± 0.372 $\chi^2/\text{NDF}: 365.2/23$

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1046.866 \pm 0.406 χ^2 /NDF:2037.3/4

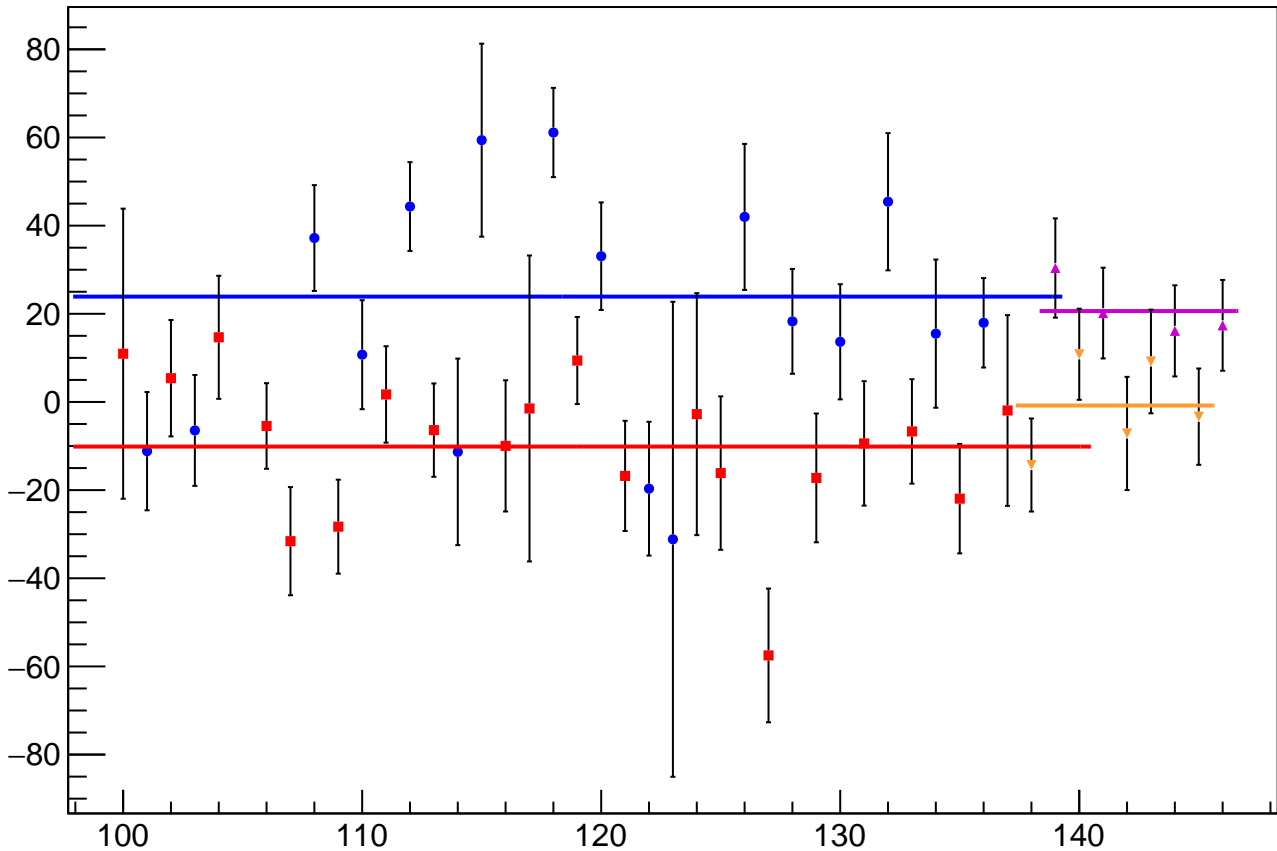
Right Out: 1245.167 \pm 0.329 χ^2 /NDF: 67006.8/19

Left In: 1101.952 \pm 0.437 χ^2 /NDF:41002.1/3

1170.750 \pm 0.262 χ^2 /NDF: 226635.6/21

1193.411 \pm 0.263 χ^2 /NDF: 176461.9/23

diff_bpm0l09X_mean vs Slug



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

16.562 \pm 2.725 χ^2 /NDF: 73.5/21

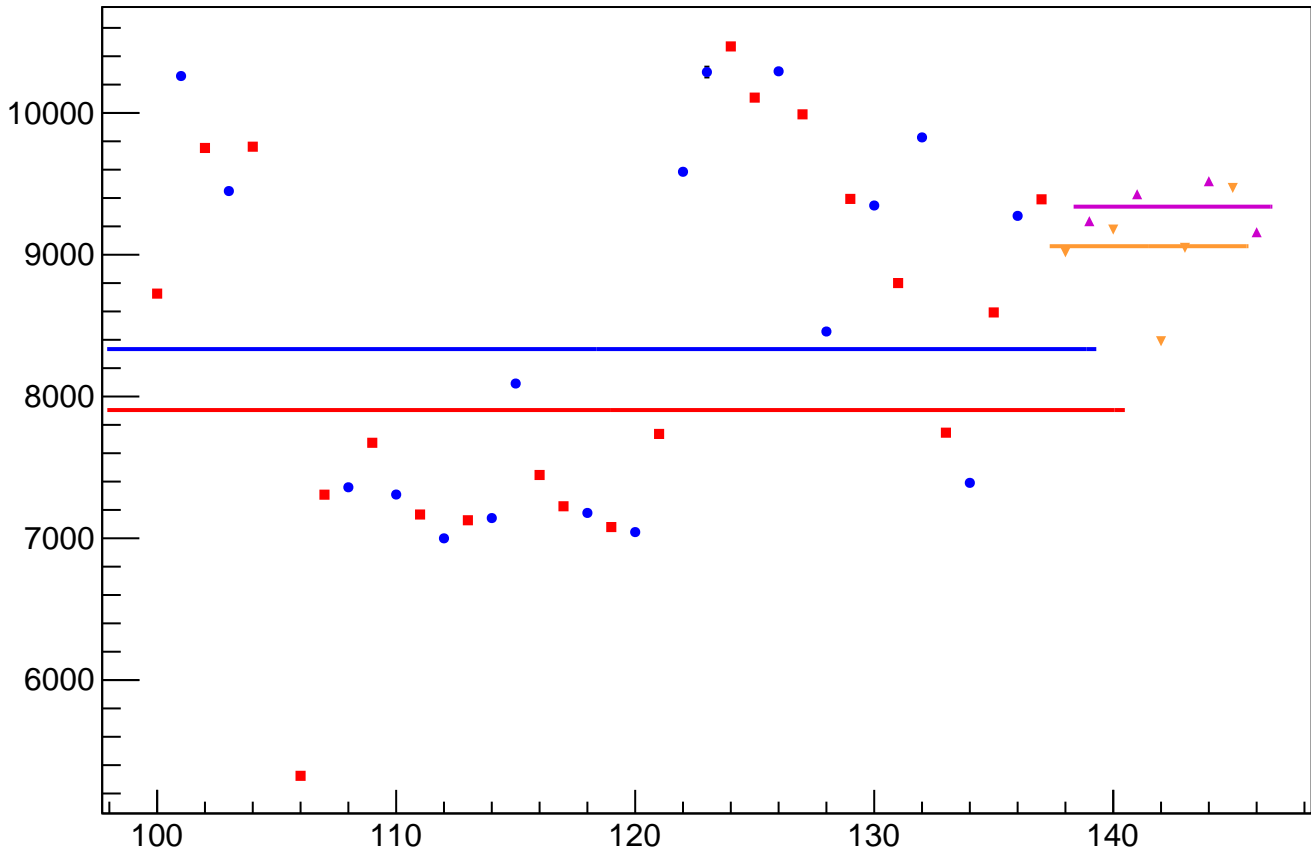
Left Out: -0.804 \pm 4.999 χ^2 /NDF: 3.9/4

-2.602 \pm 2.602 χ^2 /NDF: 54.8/23

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

Left In: 20.623 \pm 5.261 χ^2 /NDF: 1.0/3

diff_bpm0l09X_rms vs Slug



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

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

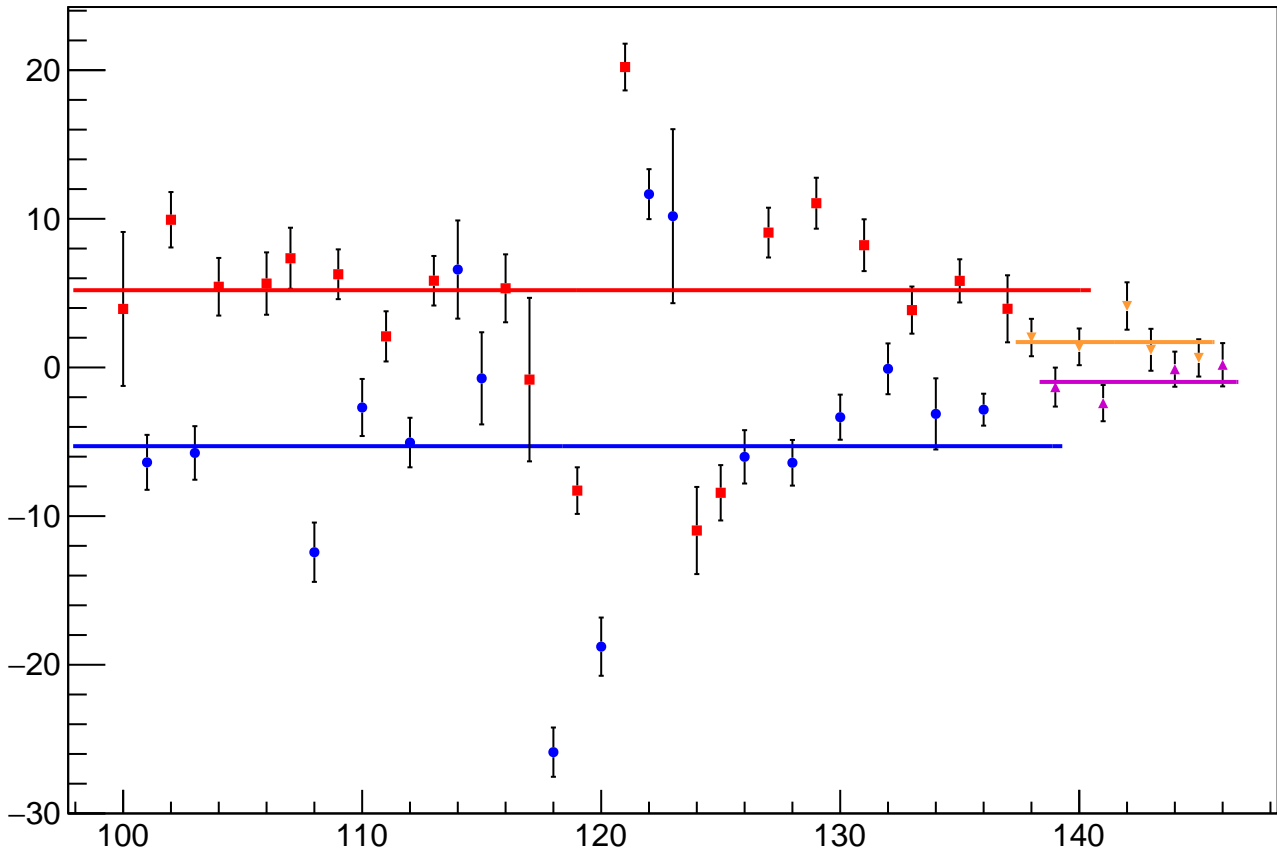
Left Out: 9060.180+/-3.535 χ^2 /NDF:8573.1/4

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

8255.528+/-1.840 χ^2 /NDF: 505436.1/23

Left In: 9339.126+/-3.720 χ^2 /NDF:1526.9/3

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

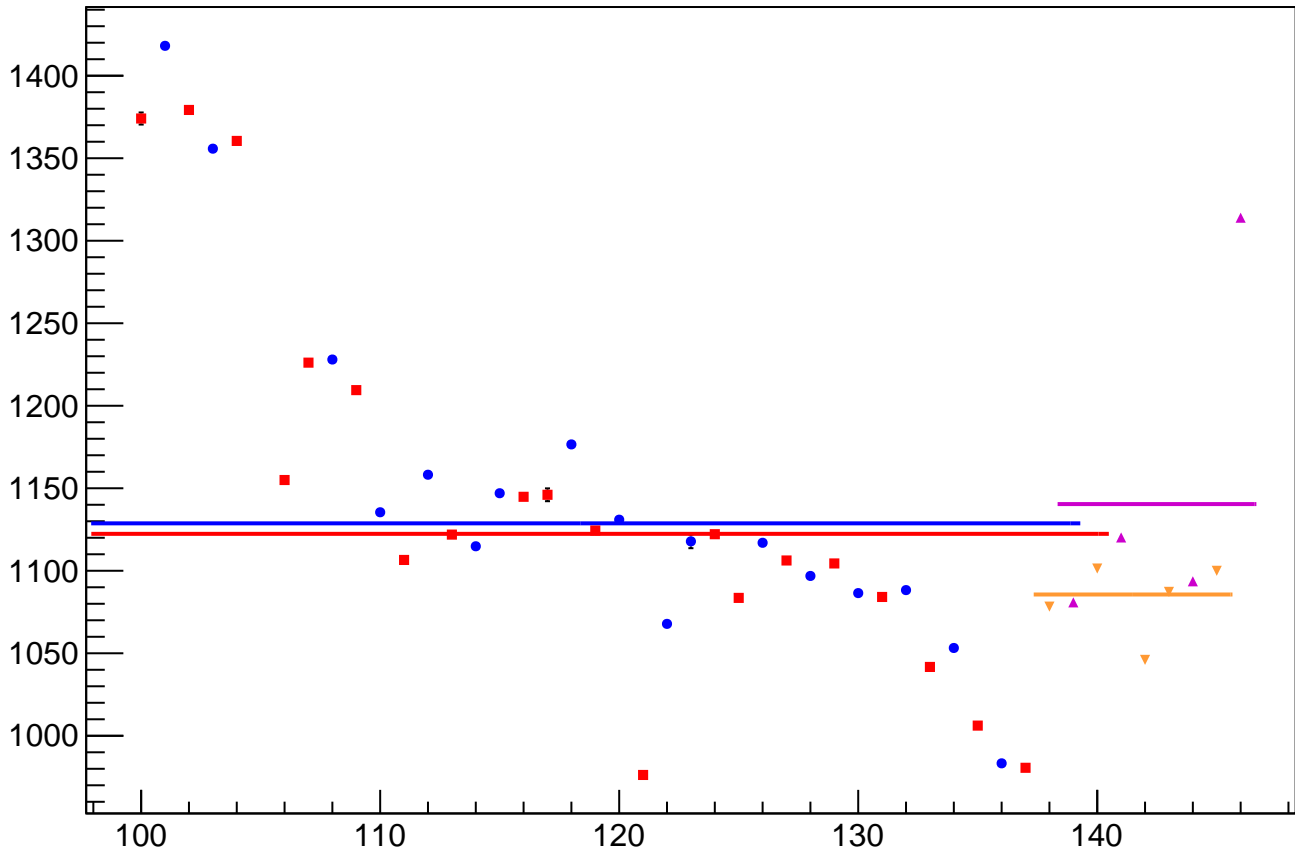
Right Out: 5.198±/0.420 χ^2/NDF : 283.1/19

Left In: -0.973±/0.640 χ^2/NDF : 2.6/3

-2.845±/0.352 χ^2/NDF : 451.3/21

3.337±/0.351 χ^2/NDF : 350.6/23

diff_bpm0l09Y_rms vs Slug



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

1113.656 \pm 0.249 χ^2 /NDF: 141806.1/21

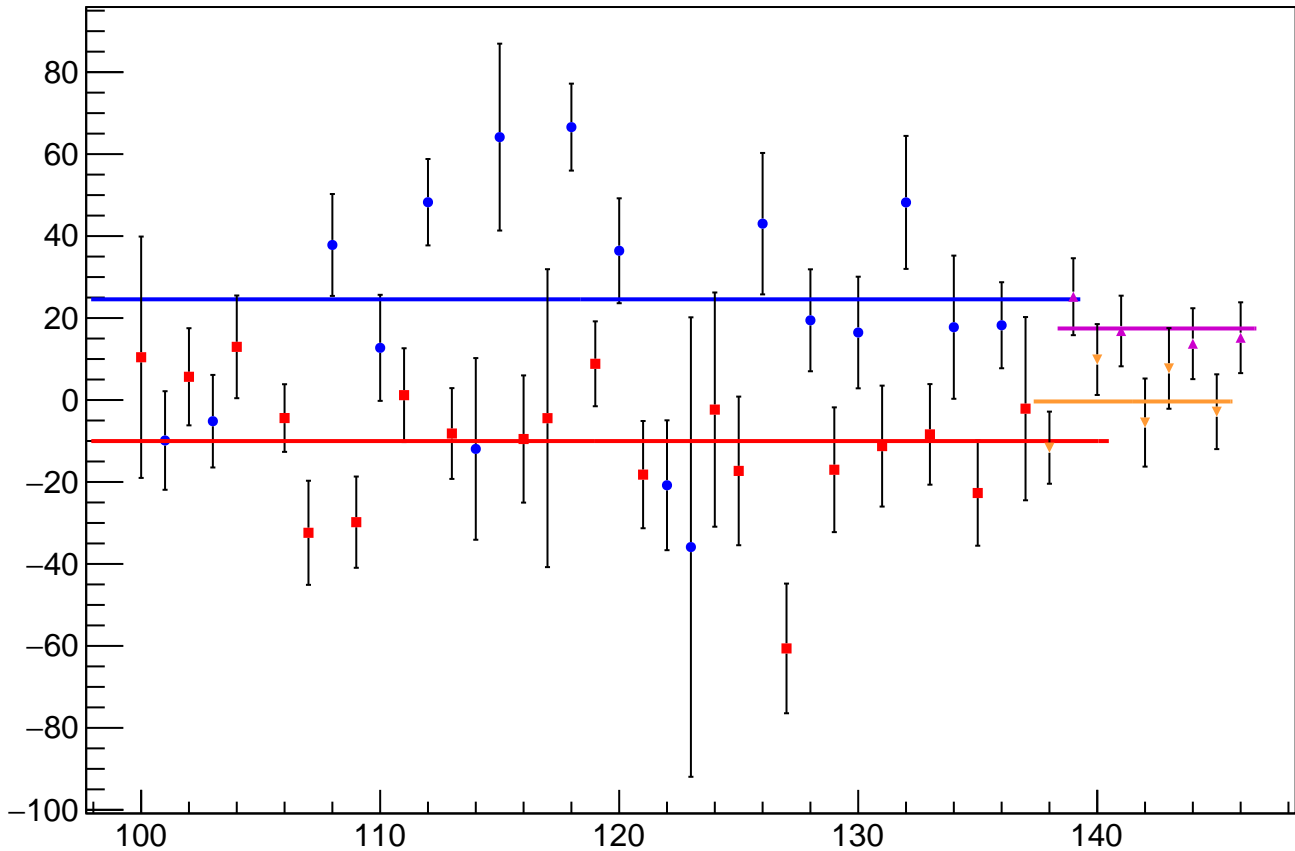
Left Out: 1085.624 \pm 0.421 χ^2 /NDF:1893.0/4

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

1127.816 \pm 0.248 χ^2 /NDF: 166960.6/23

Left In: 1140.416 \pm 0.452 χ^2 /NDF:36211.4/3

diff_bpm0110X_mean vs Slug



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

Left Out: -0.356 ± 4.178 $\chi^2/\text{NDF}: 4.0/4$

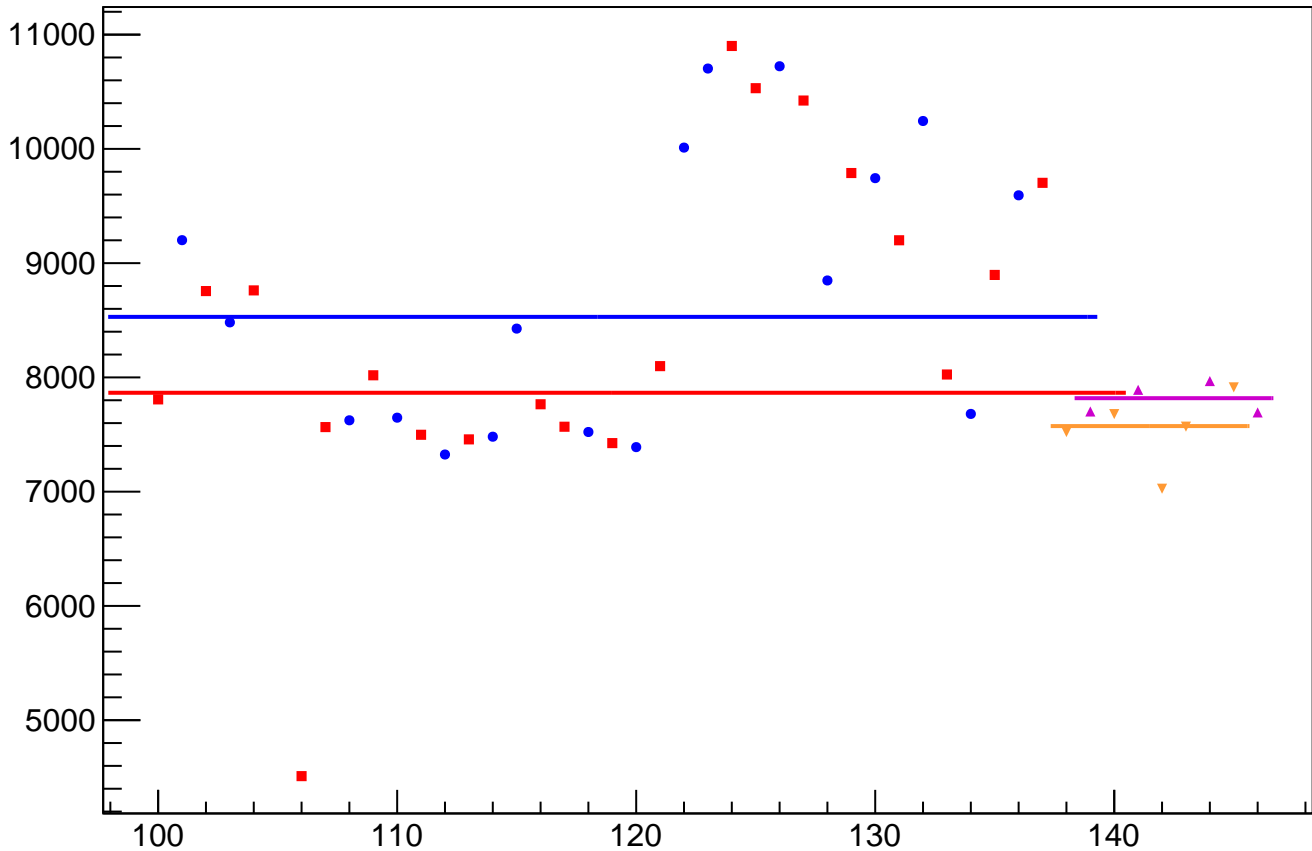
Right Out: -10.019 ± 2.997 $\chi^2/\text{NDF}: 28.8/19$

Left In: 17.453 ± 4.403 $\chi^2/\text{NDF}: 0.9/3$

14.928 ± 2.599 $\chi^2/\text{NDF}: 83.9/21$

-1.320 ± 2.478 $\chi^2/\text{NDF}: 56.4/23$

diff_bpm0l10X_rms vs Slug



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

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

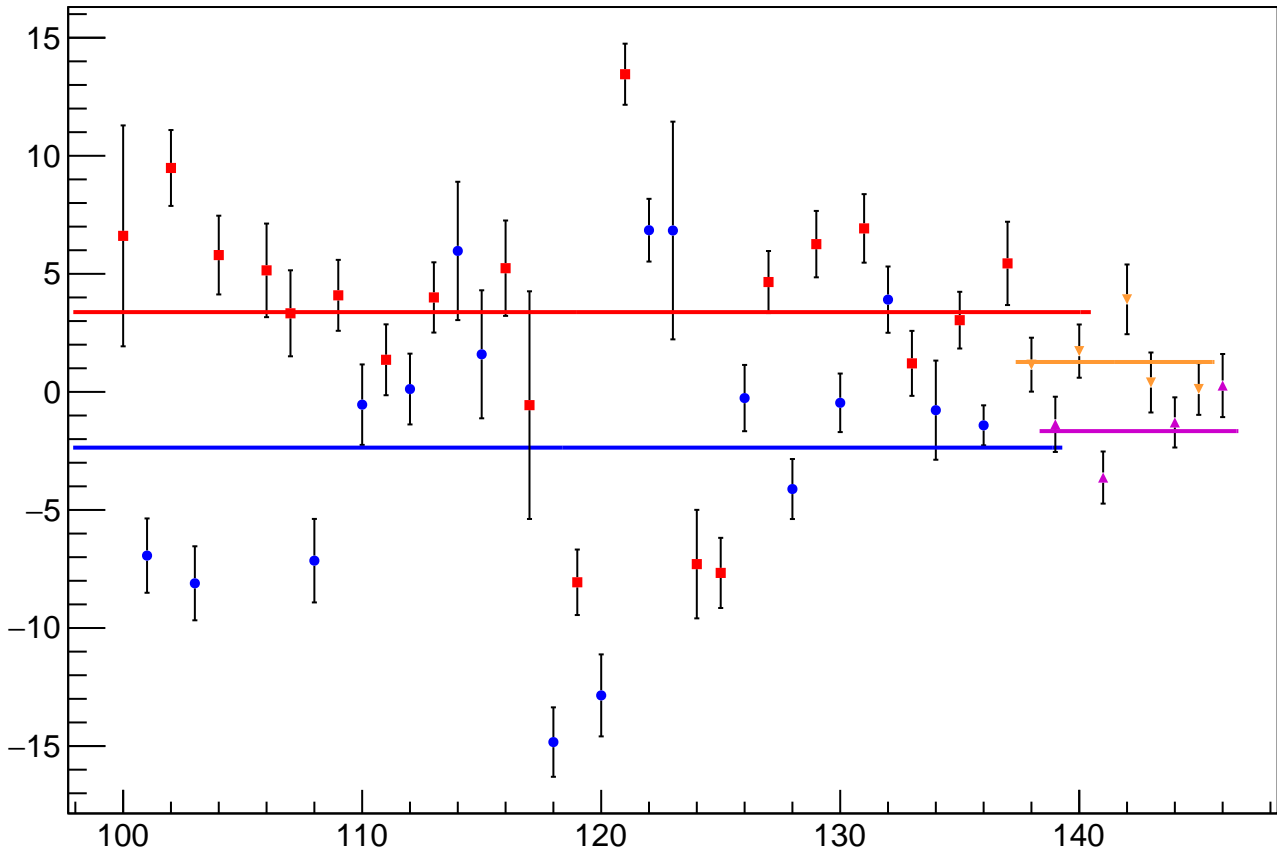
Left Out: 7573.992+/-2.954 χ^2 /NDF:8323.9/4

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

7850.545+/-1.752 χ^2 /NDF: 557602.6/23

Left In: 7818.165+/-3.114 χ^2 /NDF:1468.0/3

diff_bpm0110Y_mean vs Slug



Right In: -2.360 ± 0.366 $\chi^2/\text{NDF}: 232.0/16$

Left Out: 1.267 ± 0.537 $\chi^2/\text{NDF}: 5.0/4$

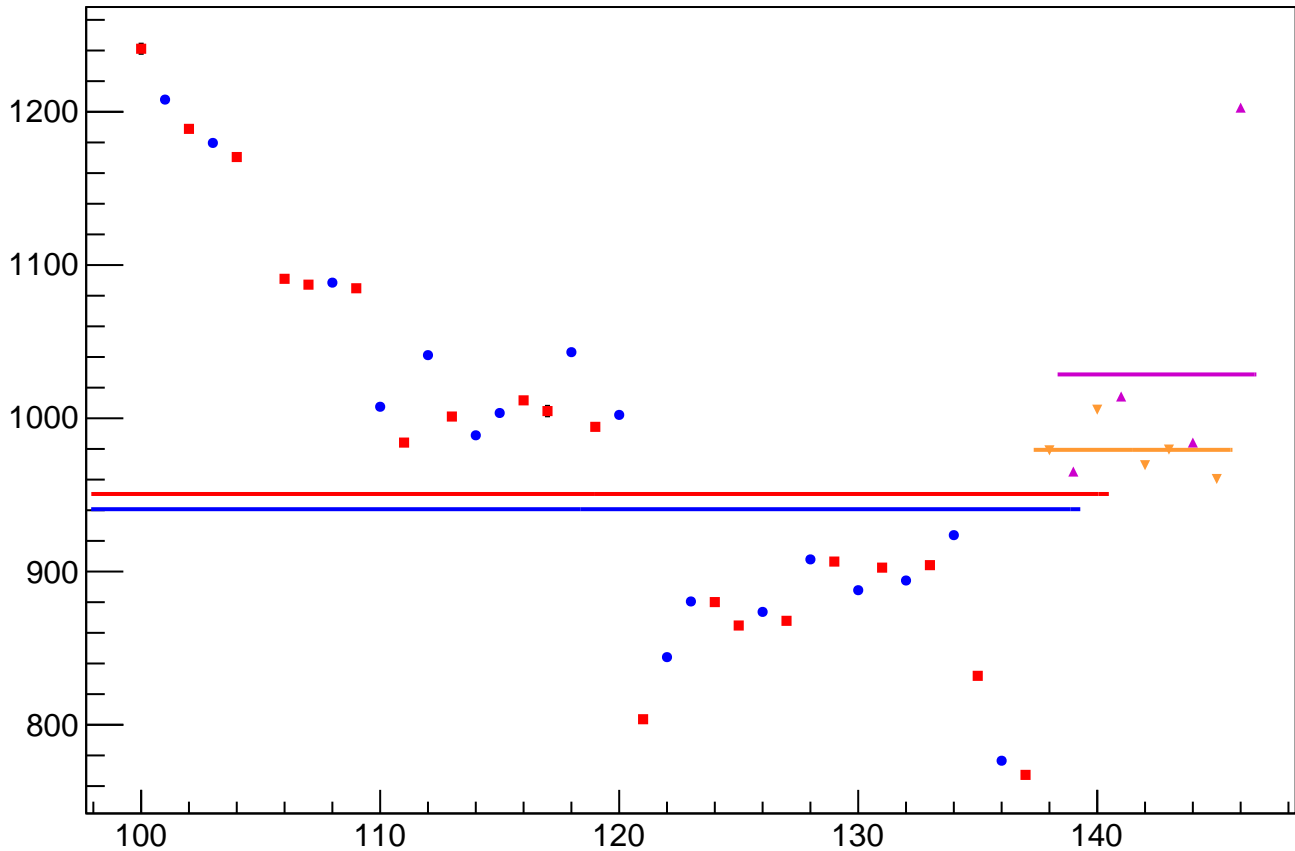
Right Out: 3.379 ± 0.357 $\chi^2/\text{NDF}: 242.1/19$

Left In: -1.661 ± 0.578 $\chi^2/\text{NDF}: 5.4/3$

-1.212 ± 0.302 $\chi^2/\text{NDF}: 268.1/21$

1.985 ± 0.304 $\chi^2/\text{NDF}: 302.6/23$

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

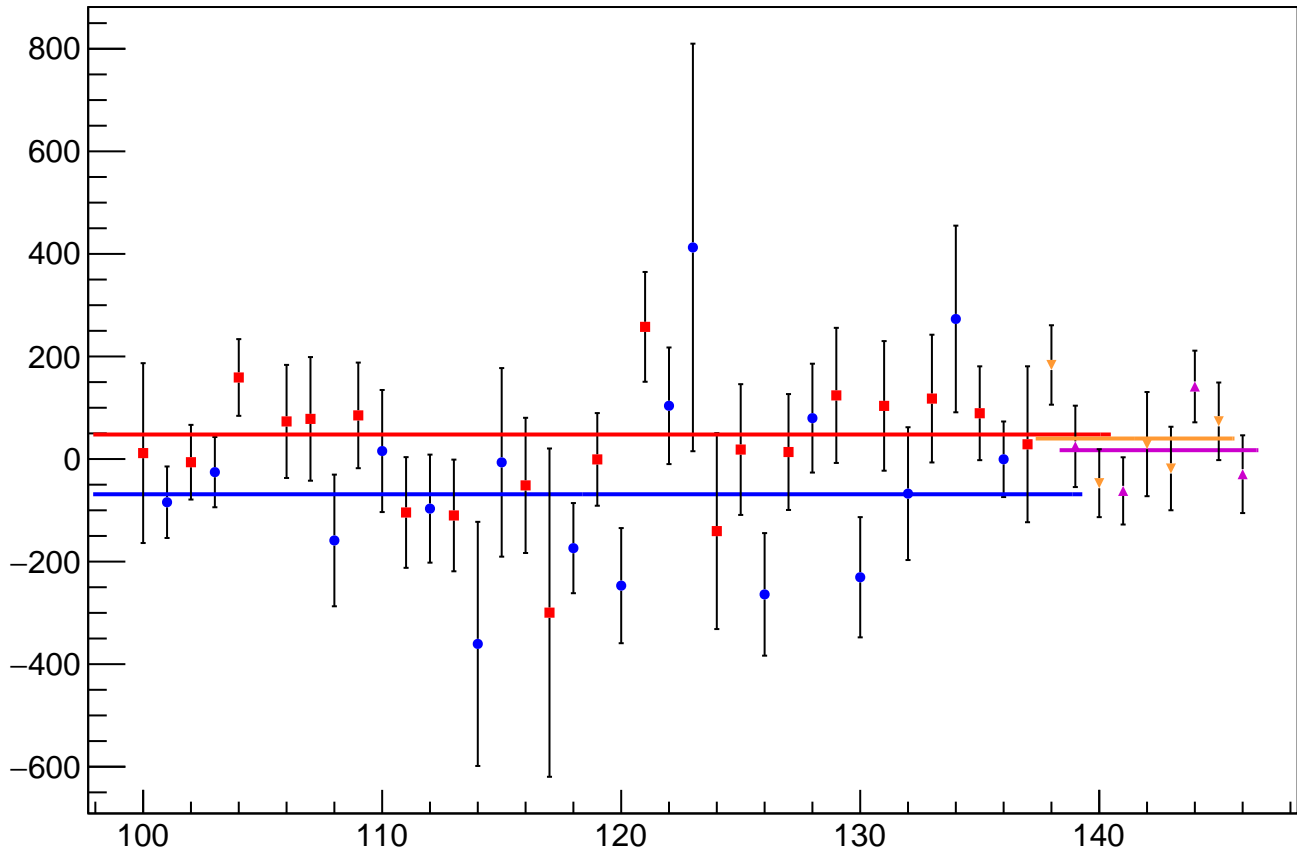
Right Out: 950.615 \pm 0.253 χ^2 /NDF: 220931.3/19

Left In: 1028.624 \pm 0.408 χ^2 /NDF: 43657.9/3

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

972.194 \pm 0.215 χ^2 /NDF: 290975.1/23

diff_bpm0r03X_mean vs Slug



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

Left Out: 40.020 ± 34.978 $\chi^2/\text{NDF}: 5.9/4$

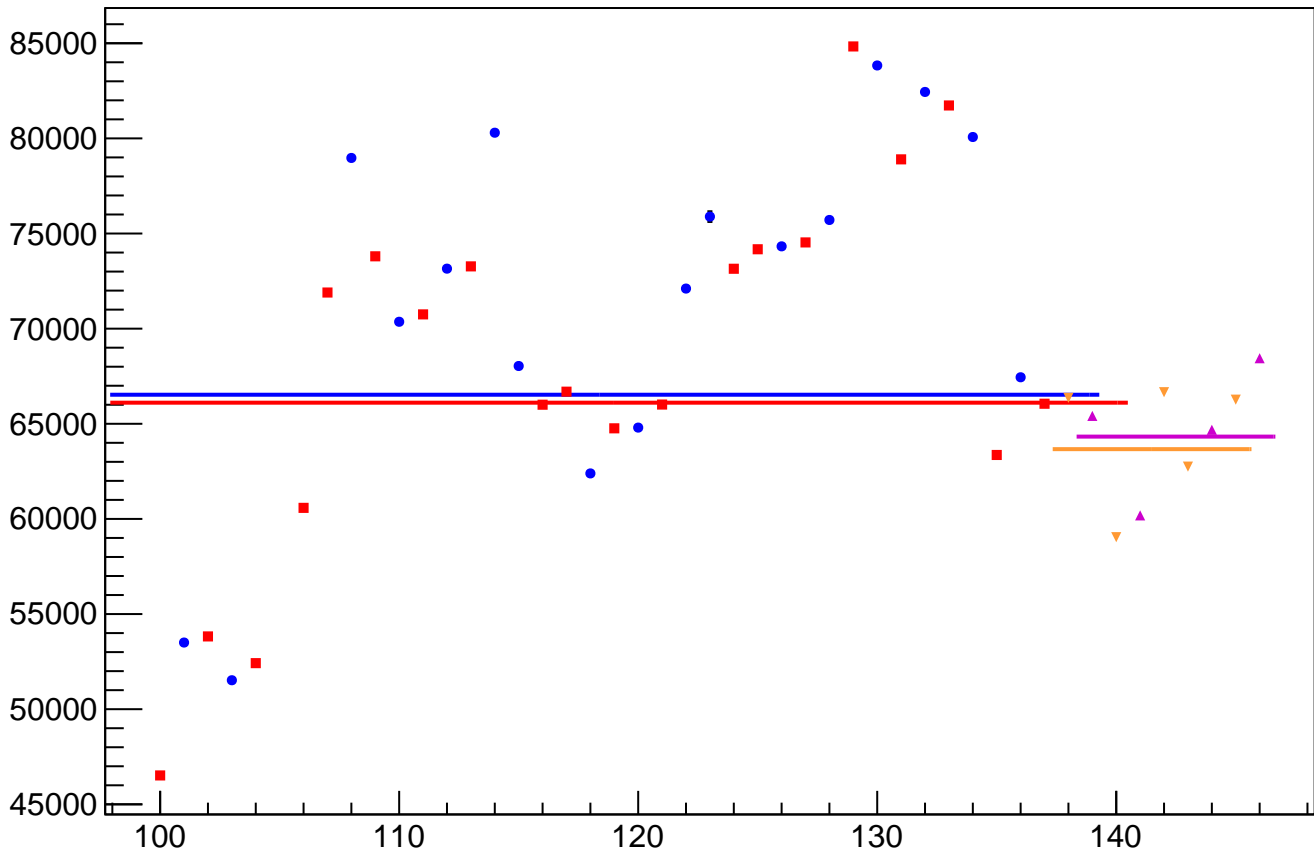
Right Out: 47.835 ± 24.944 $\chi^2/\text{NDF}: 15.2/19$

Left In: 17.259 ± 36.032 $\chi^2/\text{NDF}: 5.0/3$

-30.104 ± 20.839 $\chi^2/\text{NDF}: 33.9/21$

37.930 ± 20.509 $\chi^2/\text{NDF}: 20.7/23$

diff_bpm0r03X_rms vs Slug



Right In: 66527.251 ± 18.347 $\chi^2/\text{NDF}: 320887.2/16$

Left Out: 65512.078 ± 14.735 $\chi^2/\text{NDF}: 346059.5/21$

Right Out: 66109.383 ± 17.638 $\chi^2/\text{NDF}: 298491.9/19$

Left In: 64326.395 ± 25.478 $\chi^2/\text{NDF}: 14309.7/3$

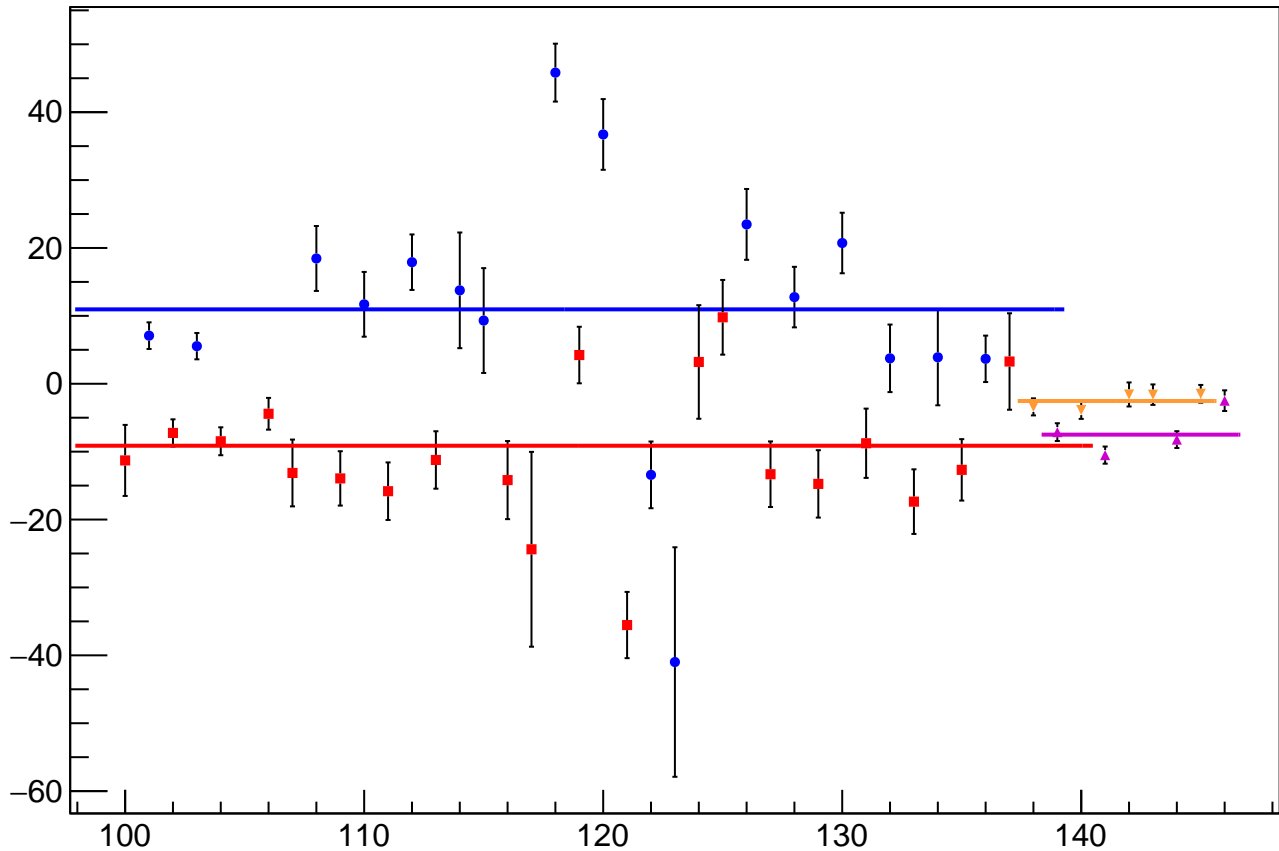
Right In: 66527.251 ± 18.347 $\chi^2/\text{NDF}: 320887.2/16$

Left Out: 65512.078 ± 14.735 $\chi^2/\text{NDF}: 346059.5/21$

Right Out: 66109.383 ± 17.638 $\chi^2/\text{NDF}: 298491.9/19$

Left In: 64326.395 ± 25.478 $\chi^2/\text{NDF}: 14309.7/3$

diff_bpm0r03Y_mean vs Slug



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

Left Out: -2.537 ± 0.623 χ^2/NDF : 2.9/4

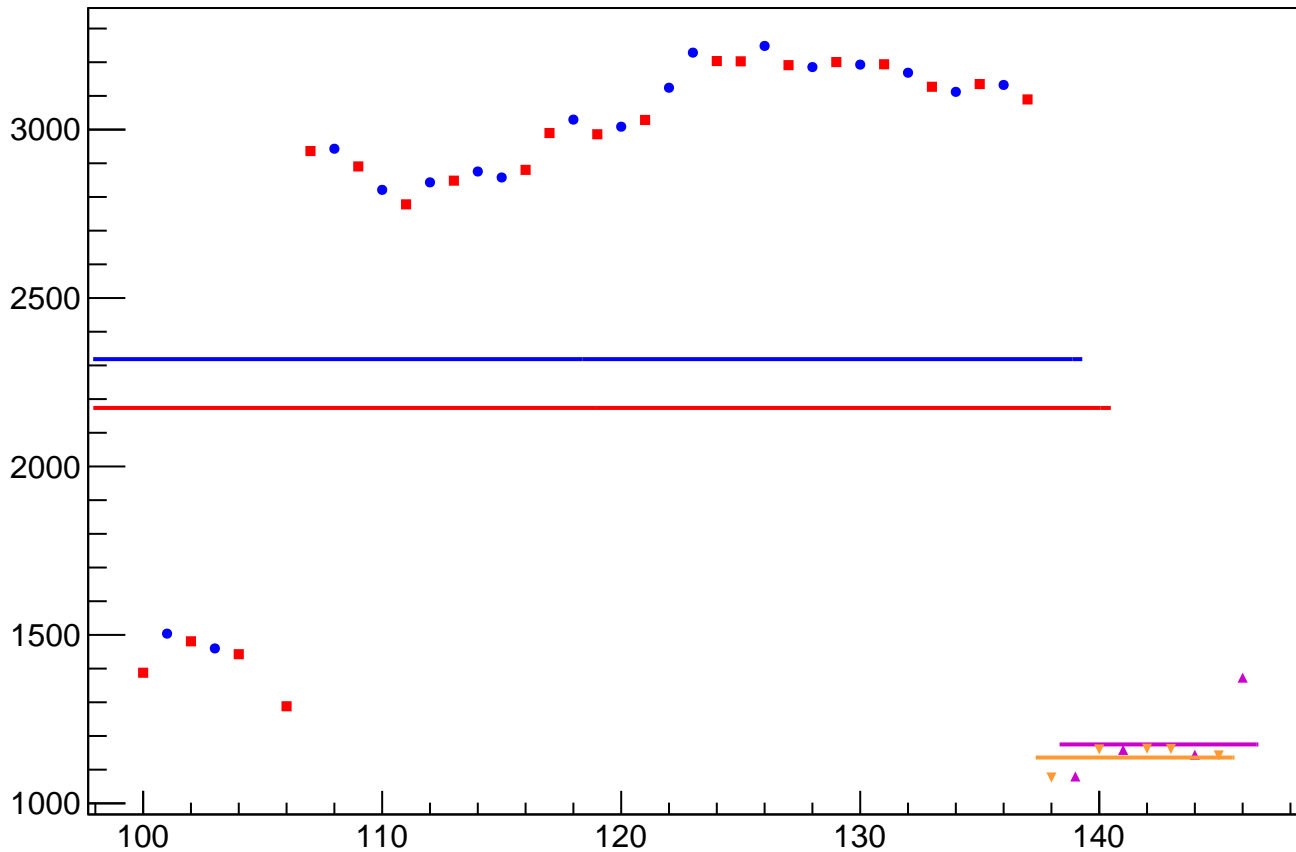
Right Out: -9.127 ± 0.865 χ^2/NDF : 74.2/19

Left In: -7.493 ± 0.660 χ^2/NDF : 17.0/3

1.566 ± 0.520 χ^2/NDF : 306.3/21

-8.094 ± 0.524 χ^2/NDF : 93.5/23

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

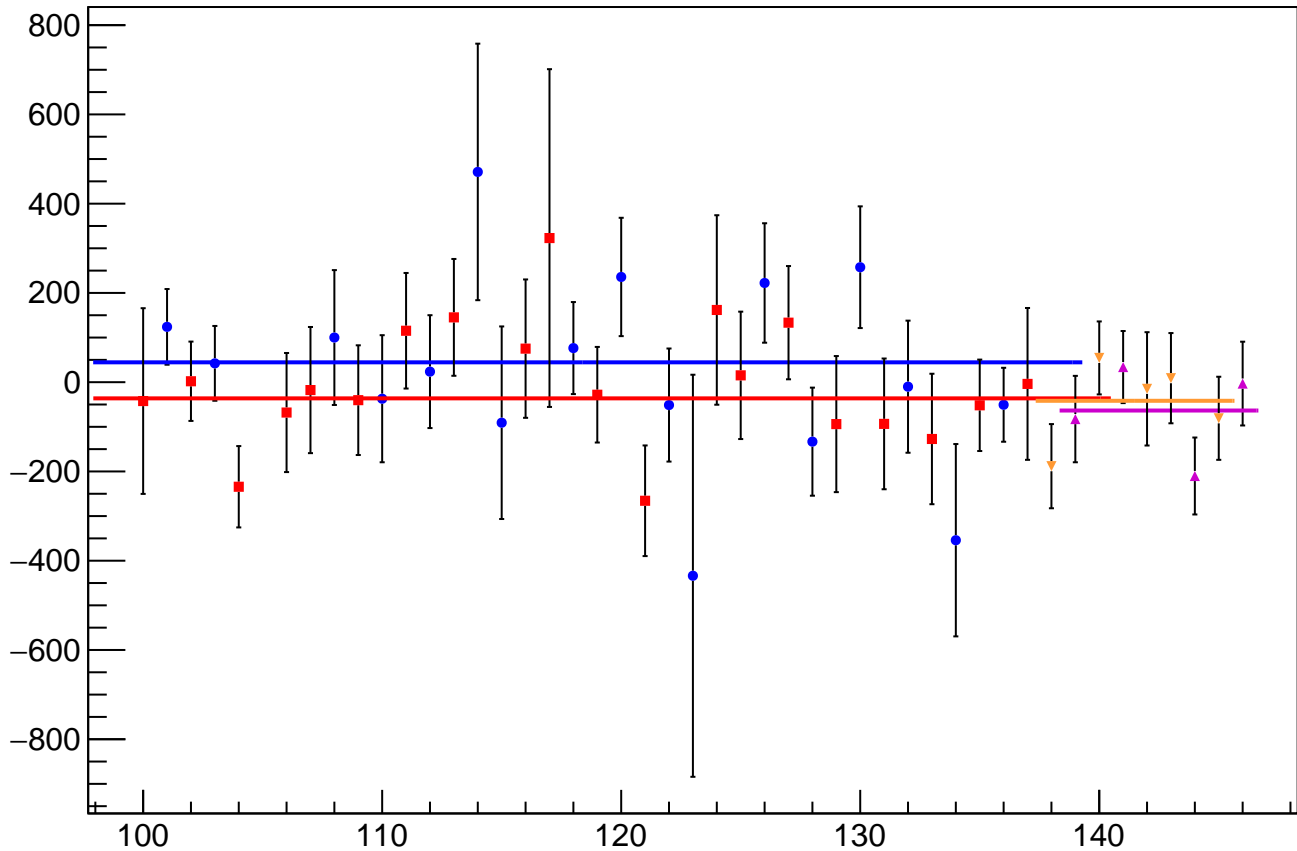
Right Out: 2173.762 \pm 0.611 χ^2 /NDF: 1760181.2/19

Left In: 1174.898 \pm 0.466 χ^2 /NDF:46055.3/3

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

1542.256 \pm 0.371 χ^2 /NDF: 3493236.1/23

diff_bpm0r05X_mean vs Slug



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

15.848+/-24.867 χ^2 /NDF: 26.0/21

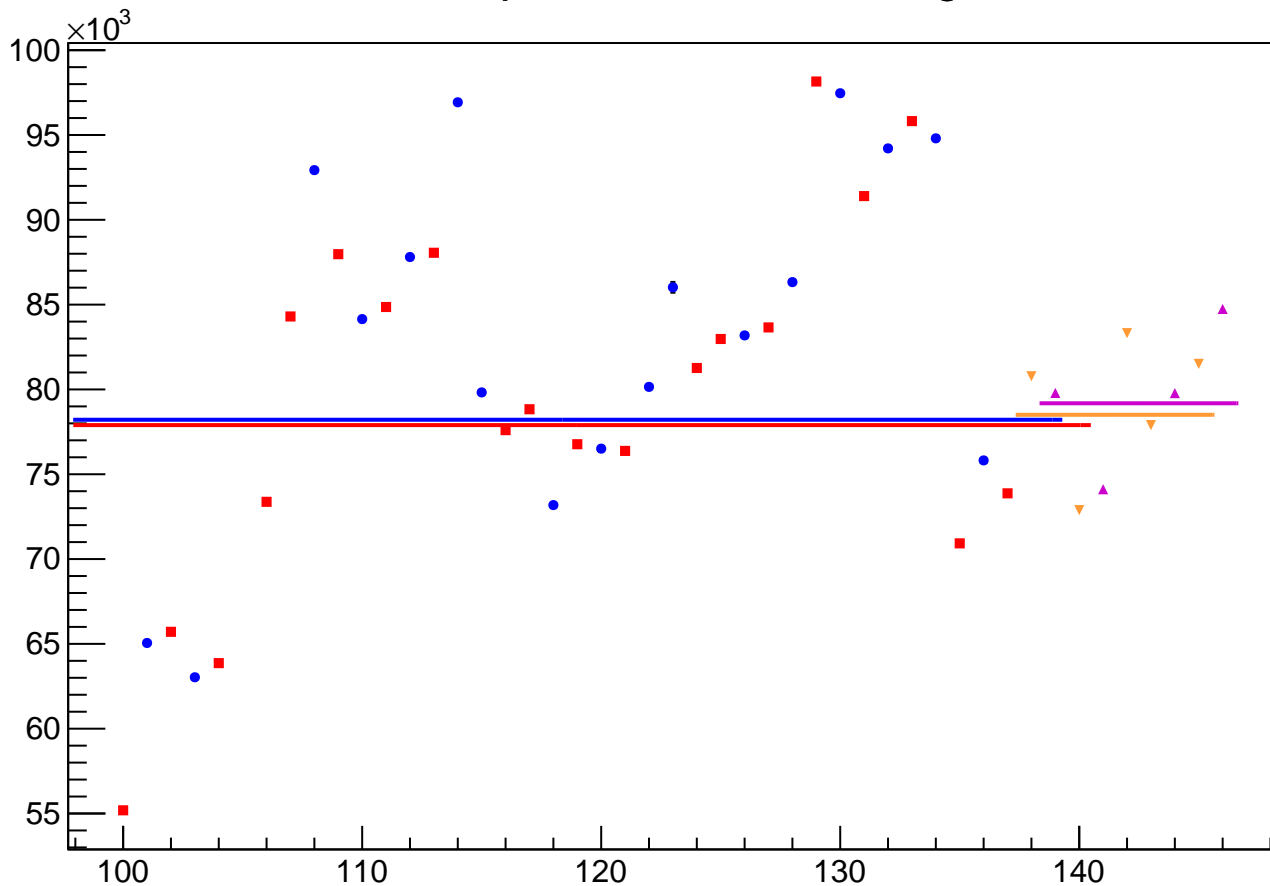
Left Out: -41.691+/-43.137 χ^2 /NDF: 4.3/4

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

-44.543+/-24.476 χ^2 /NDF: 21.7/23

Left In: -63.492+/-44.363 χ^2 /NDF: 4.8/3

diff_bpm0r05X_rms vs Slug



Right In: 78213.025+/-21.519 χ^2 /NDF: 251056.7/16

Left Out: 78504.879+/-30.503 χ^2 /NDF: 15642.0/4

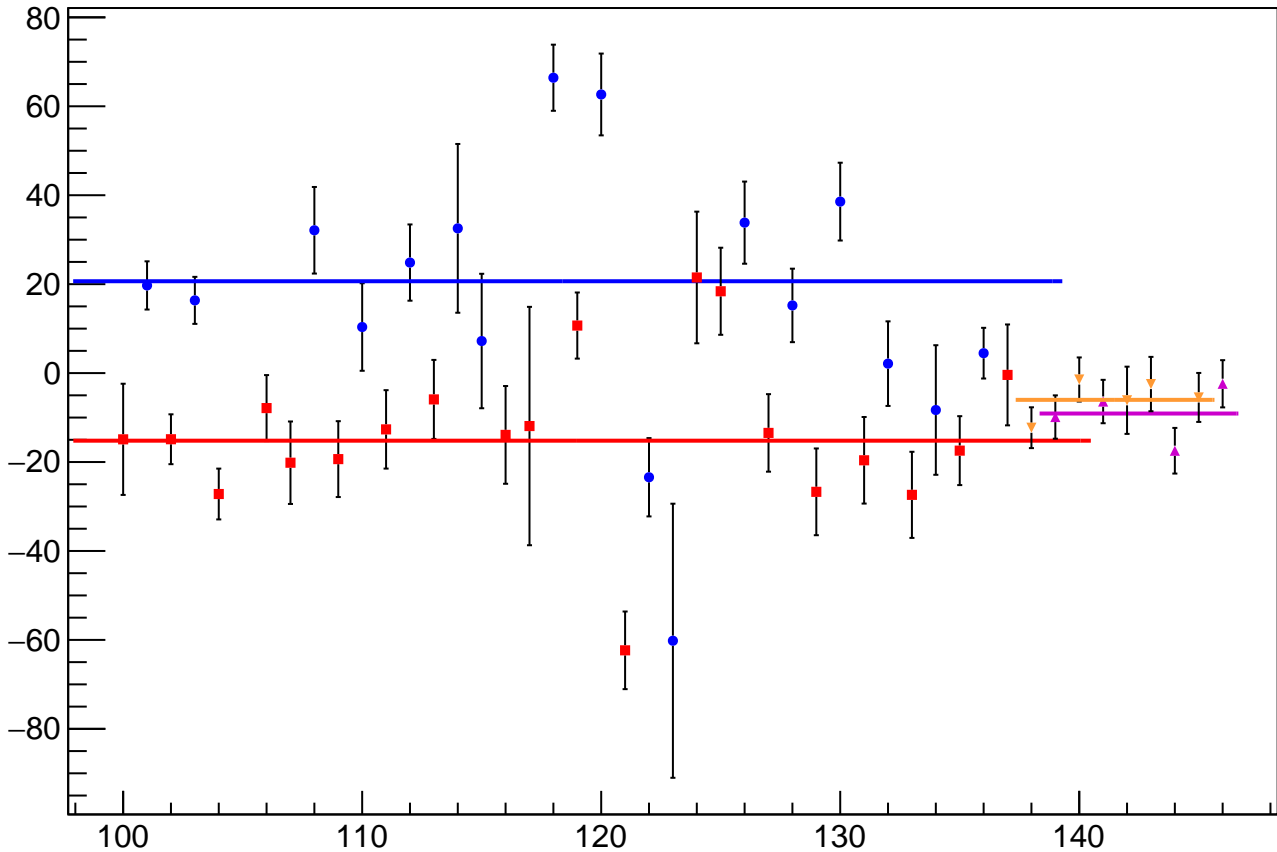
Right Out: 77897.594+/-20.751 χ^2 /NDF: 246982.5/19

Left In: 79183.648+/-31.370 χ^2 /NDF: 15071.6/3

78310.008+/-17.583 χ^2 /NDF: 266759.8/21

78289.052+/-17.307 χ^2 /NDF: 263223.2/23

diff_bpm0r05Y_mean vs Slug



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

Left Out: -6.017 \pm 2.459 χ^2 /NDF: 3.1/4

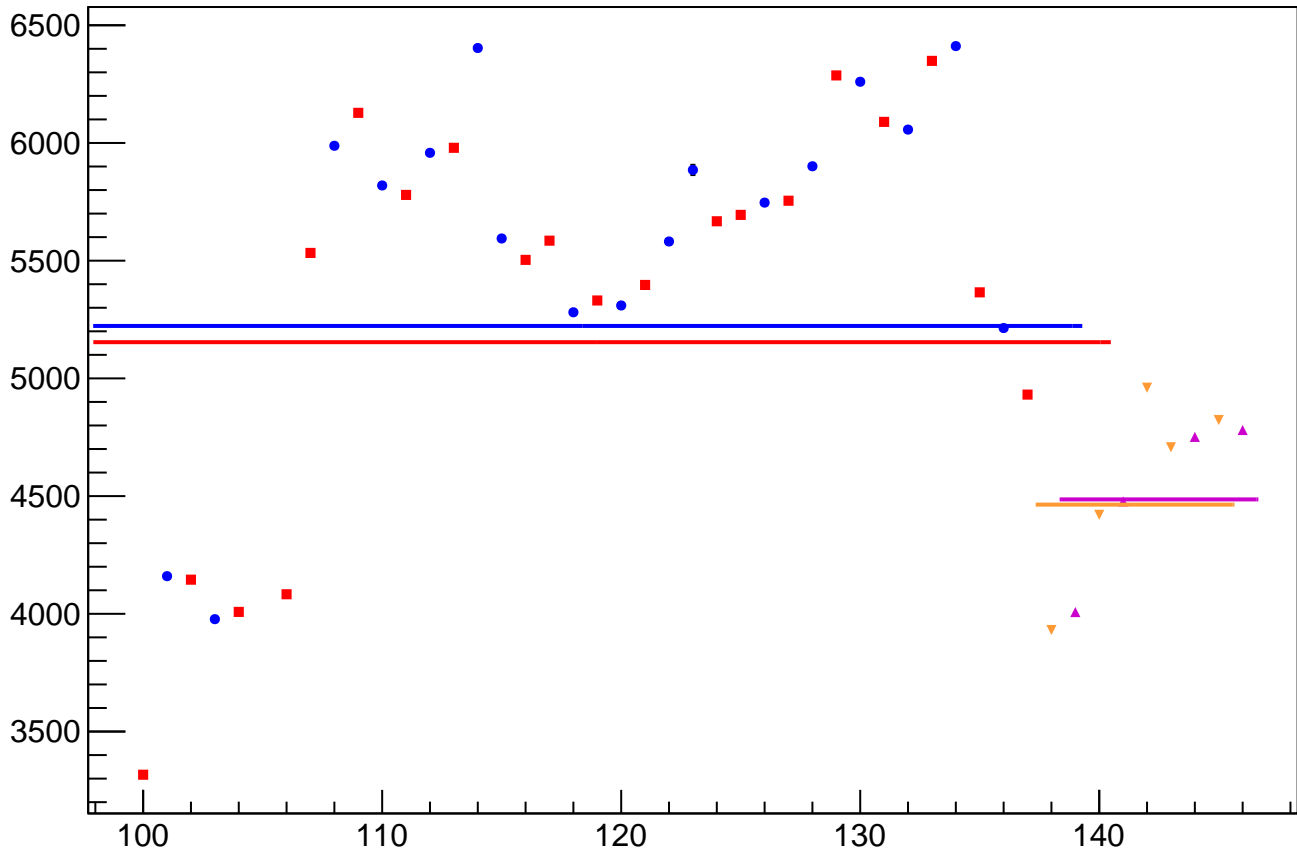
Right Out: -15.198 \pm 1.950 χ^2 /NDF: 71.3/19

Left In: -9.093 \pm 2.519 χ^2 /NDF: 4.6/3

9.807 \pm 1.568 χ^2 /NDF: 190.6/21

-12.911 \pm 1.542 χ^2 /NDF: 79.6/23

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

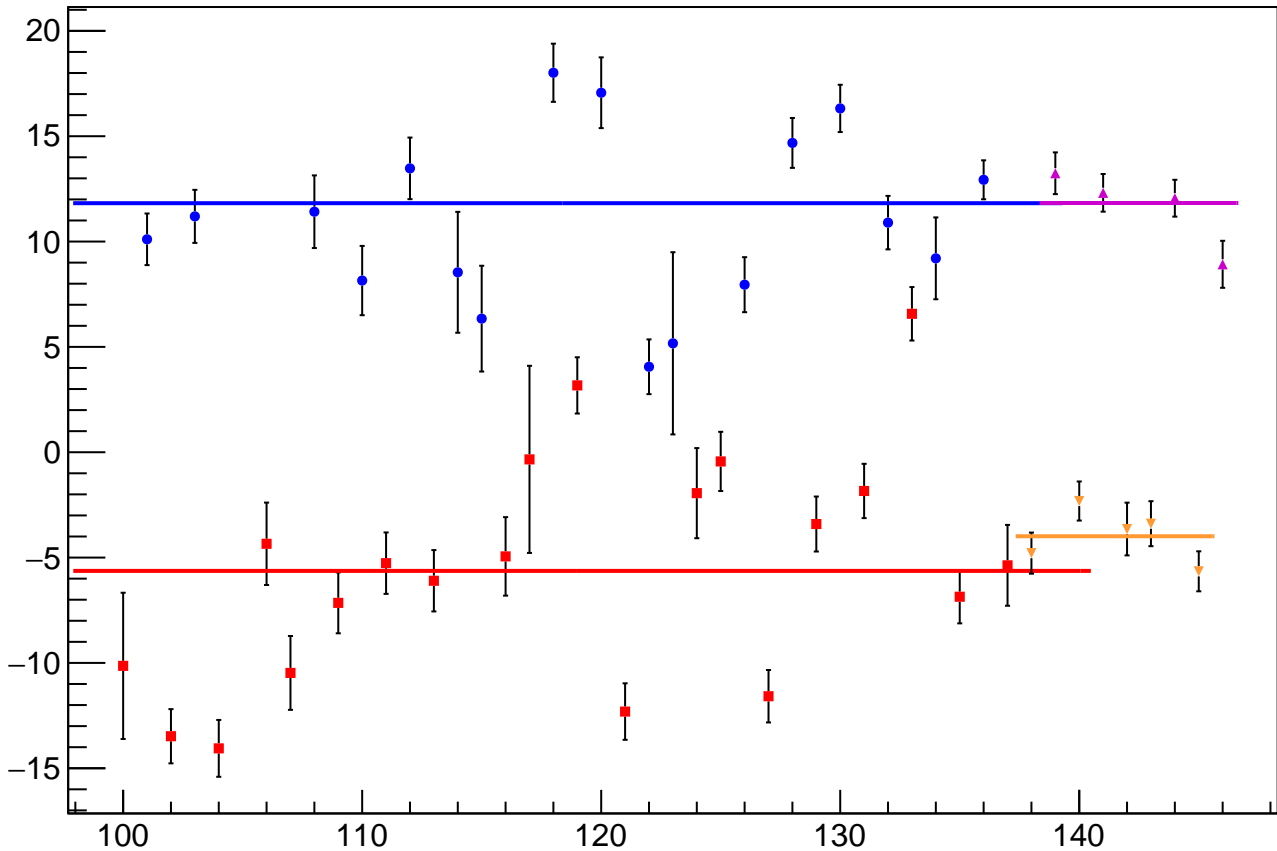
4914.064+/-1.109 χ^2 /NDF: 472978.4/21

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

4903.672+/-1.090 χ^2 /NDF: 506944.5/23

Left In: 4486.022+/-1.781 χ^2 /NDF:30831.6/3

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

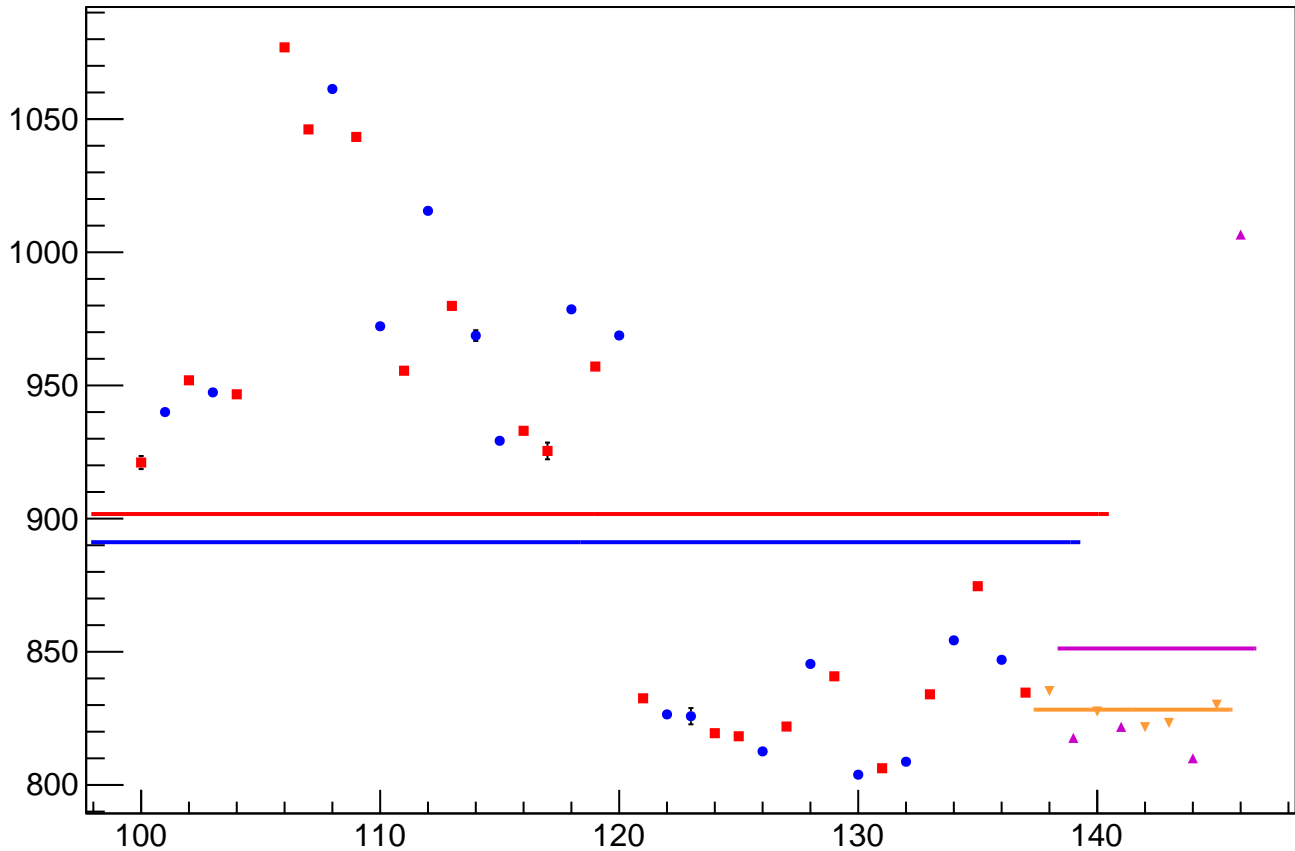
Right Out: -5.632+/-0.337 χ^2 /NDF: 301.6/19

Left In: 11.830+/-0.478 χ^2 /NDF: 9.2/3

6.053+/-0.275 χ^2 /NDF: 892.8/21

0.181+/-0.276 χ^2 /NDF: 1202.0/23

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

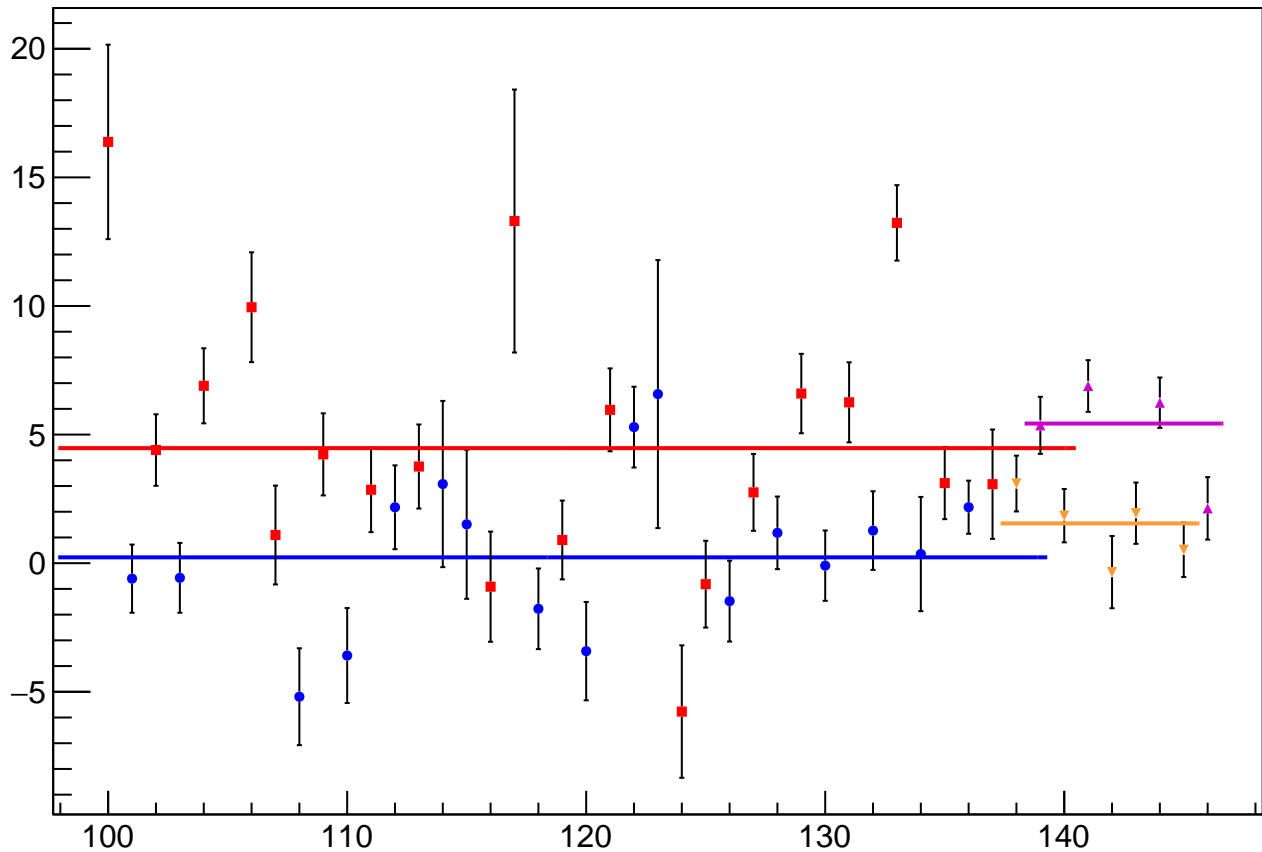
Right Out: 901.725+/-0.239 χ^2 /NDF: 114648.1/19

Left In: 851.241+/-0.338 χ^2 /NDF:47733.7/3

868.212+/-0.194 χ^2 /NDF: 126170.2/21

884.919+/-0.195 χ^2 /NDF: 177280.5/23

diff_bpm2i01Y_mean vs Slug



Right In: 0.227 ± 0.395 $\chi^2/\text{NDF}: 38.5/16$

Left Out: 1.547 ± 0.508 $\chi^2/\text{NDF}: 5.0/4$

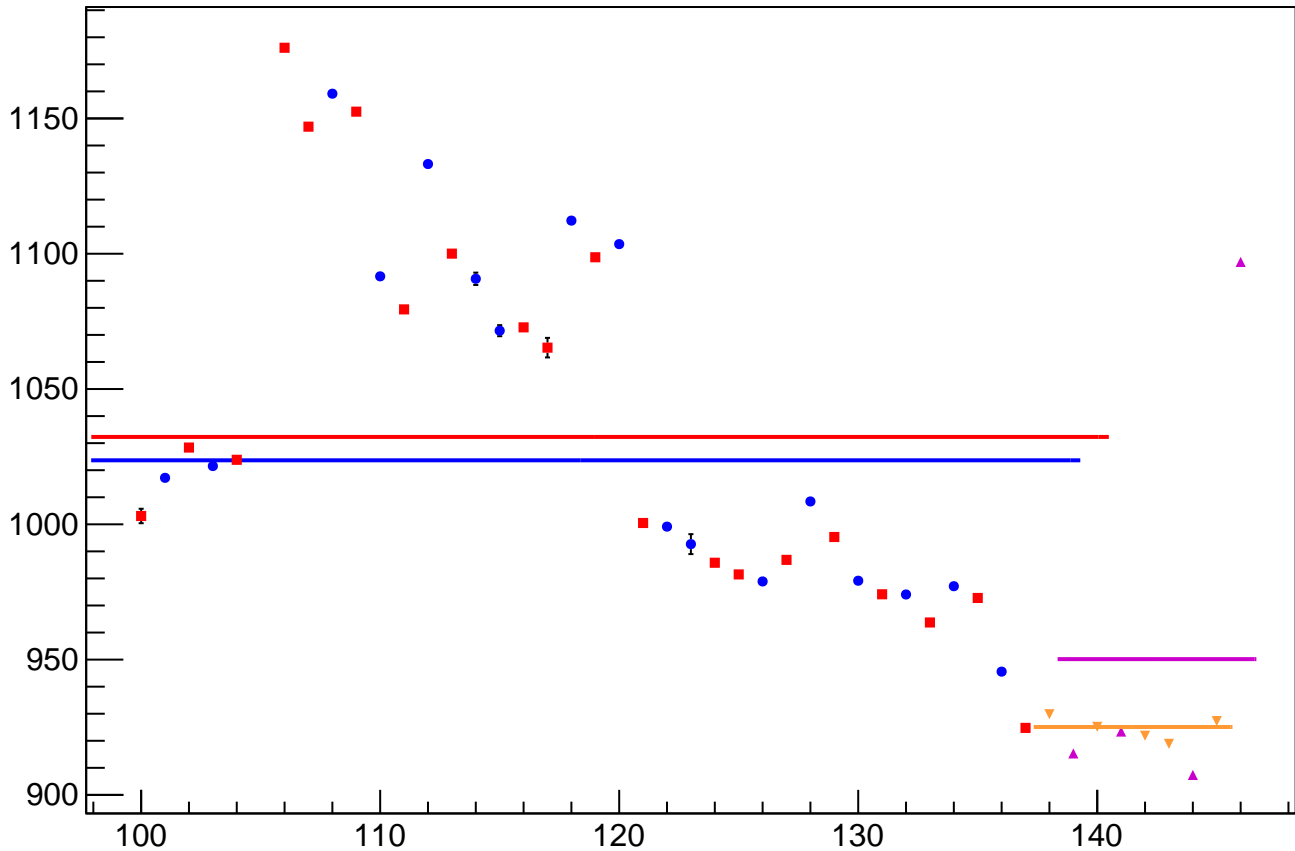
Right Out: 4.473 ± 0.386 $\chi^2/\text{NDF}: 106.3/19$

Left In: 5.429 ± 0.533 $\chi^2/\text{NDF}: 10.2/3$

0.725 ± 0.312 $\chi^2/\text{NDF}: 47.7/21$

4.802 ± 0.312 $\chi^2/\text{NDF}: 118.6/23$

diff_bpm2i01Y_rms vs Slug



Right In: 1023.655 ± 0.279 χ^2/NDF : 52373.8/16

Left Out: 925.091 ± 0.359 χ^2/NDF : 111.4/4

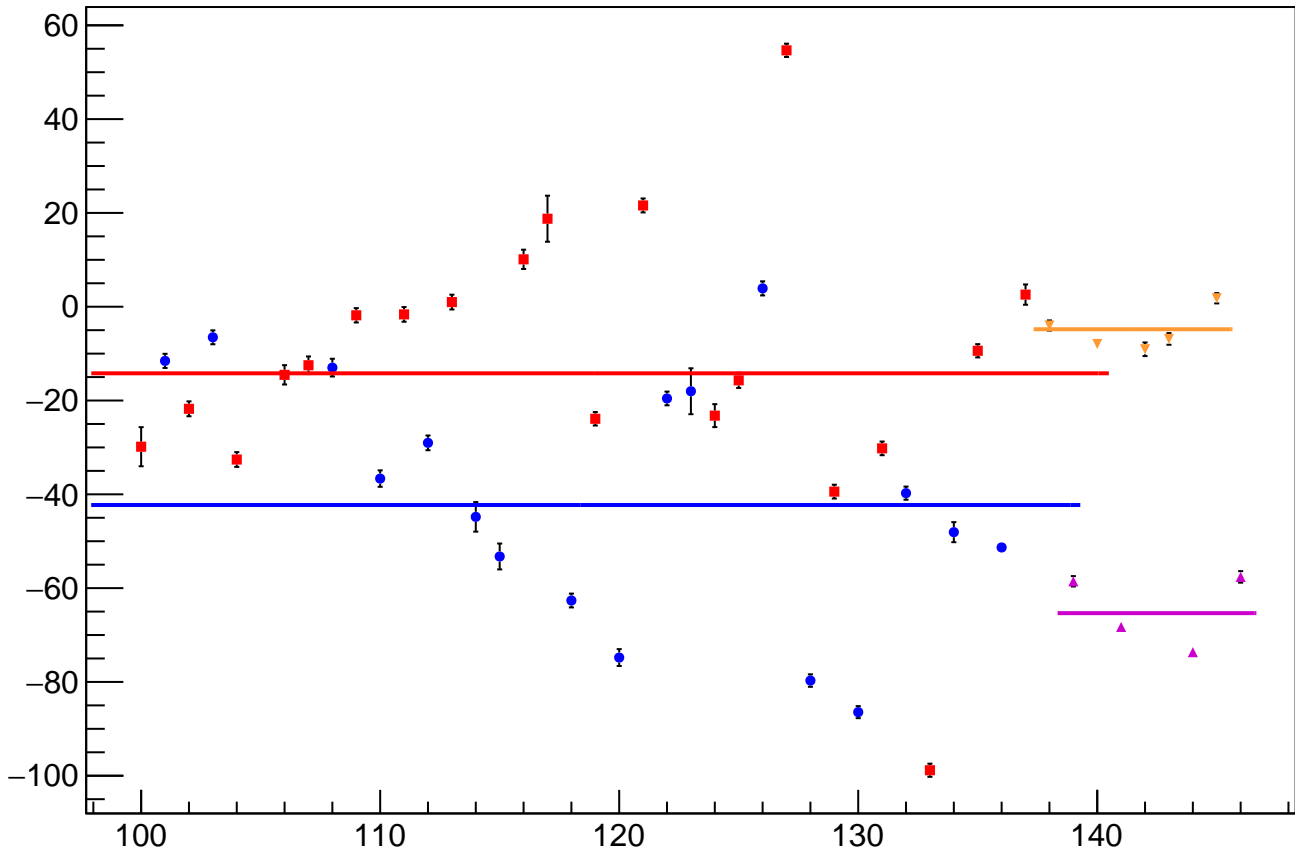
Right Out: 1032.296 ± 0.273 χ^2/NDF : 59475.4/19

Left In: 950.179 ± 0.377 χ^2/NDF : 36405.7/3

986.478 ± 0.220 χ^2/NDF : 99458.1/21

1004.066 ± 0.221 χ^2/NDF : 127059.2/23

diff_bpm2i02X_mean vs Slug



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

Left Out: -4.802±/0.521 χ^2/NDF : 56.9/4

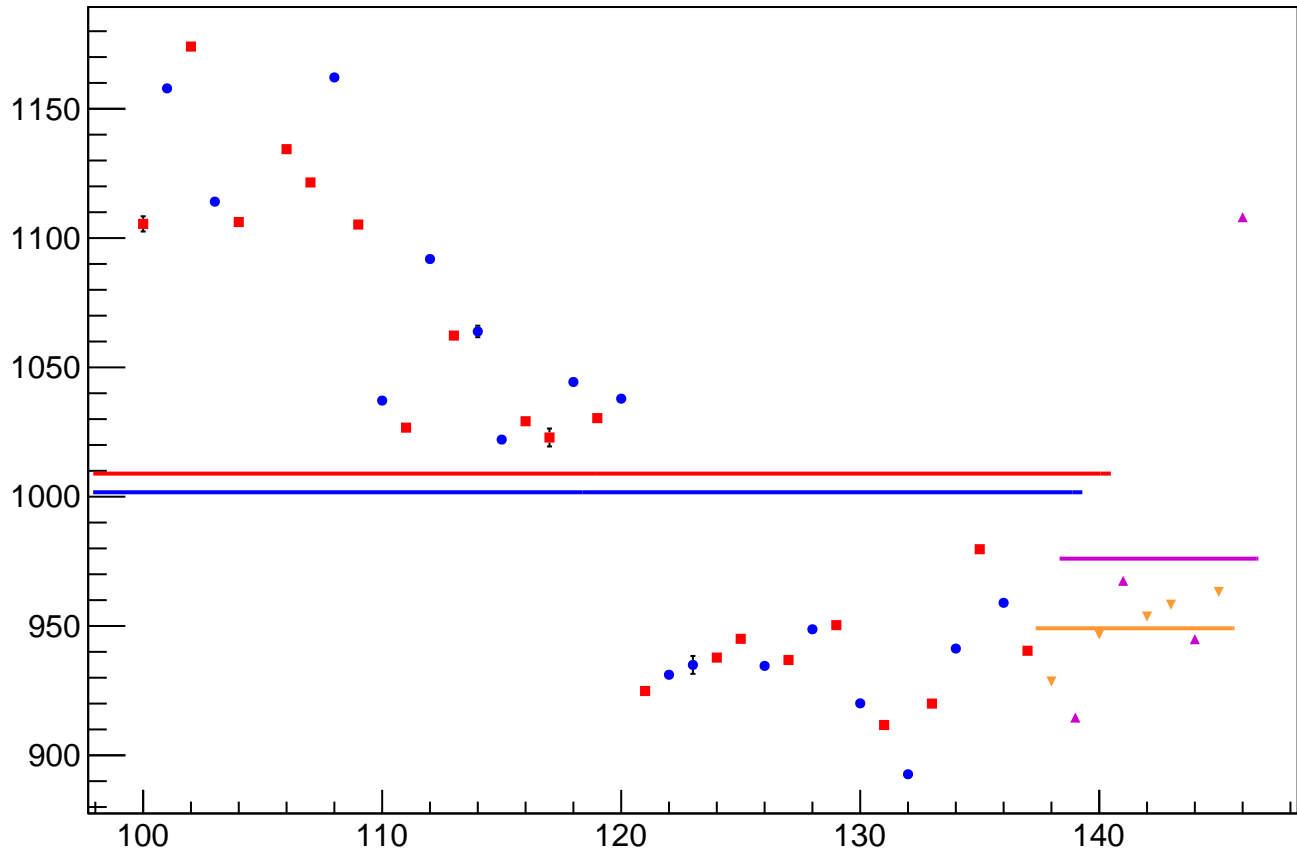
Right Out: -14.197±/0.377 χ^2/NDF : 7715.1/19

Left In: -65.333±/0.547 χ^2/NDF : 151.6/3

-28.933±/0.311 χ^2/NDF : 8521.1/21

-30.686±/0.311 χ^2/NDF : 13788.3/23

diff_bpm2i02X_rms vs Slug



Right In: 1001.706 ± 0.274 $\chi^2/\text{NDF}: 95480.0/16$

Left Out: 949.117 ± 0.368 $\chi^2/\text{NDF}: 1187.9/4$

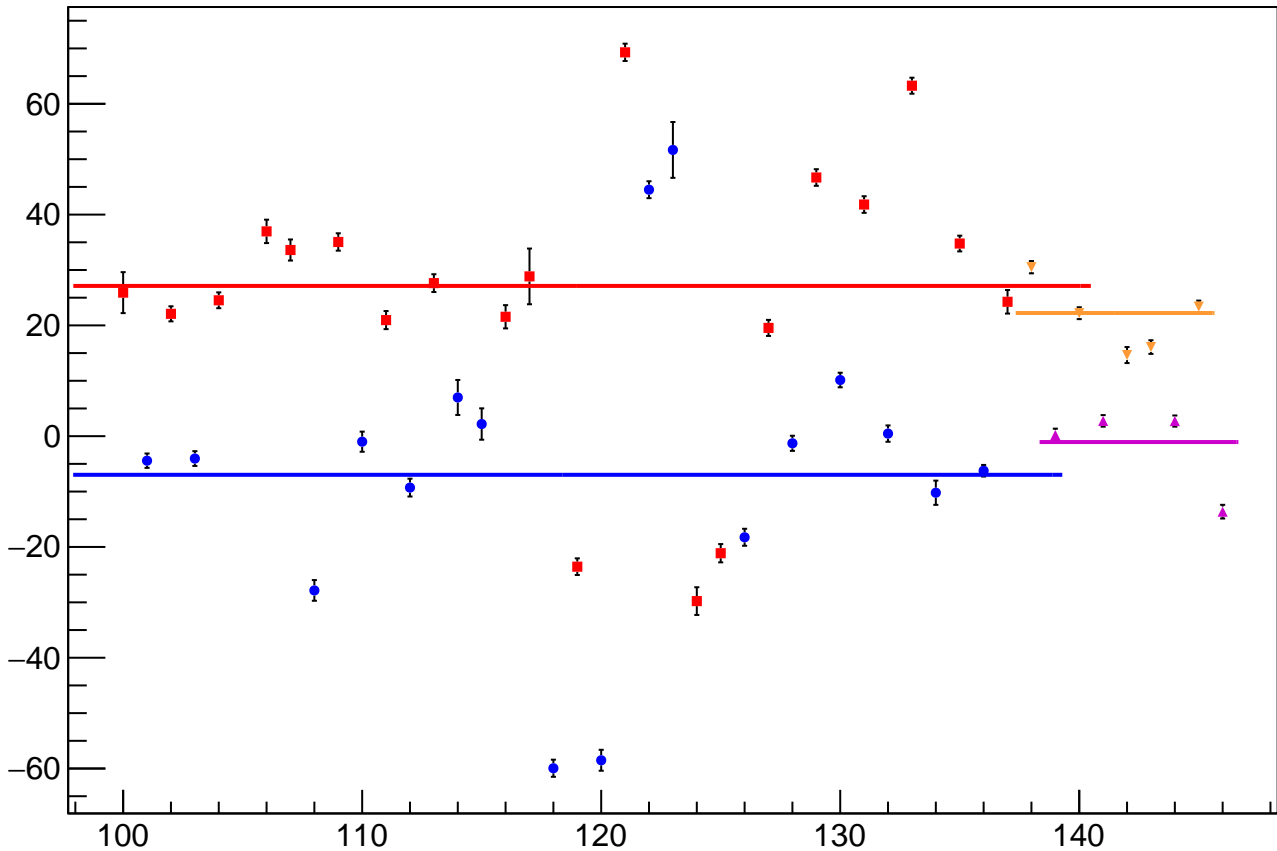
Right Out: 1008.931 ± 0.267 $\chi^2/\text{NDF}: 95366.1/19$

Left In: 976.048 ± 0.387 $\chi^2/\text{NDF}: 31311.0/3$

982.979 ± 0.220 $\chi^2/\text{NDF}: 109810.7/21$

998.328 ± 0.220 $\chi^2/\text{NDF}: 131574.5/23$

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

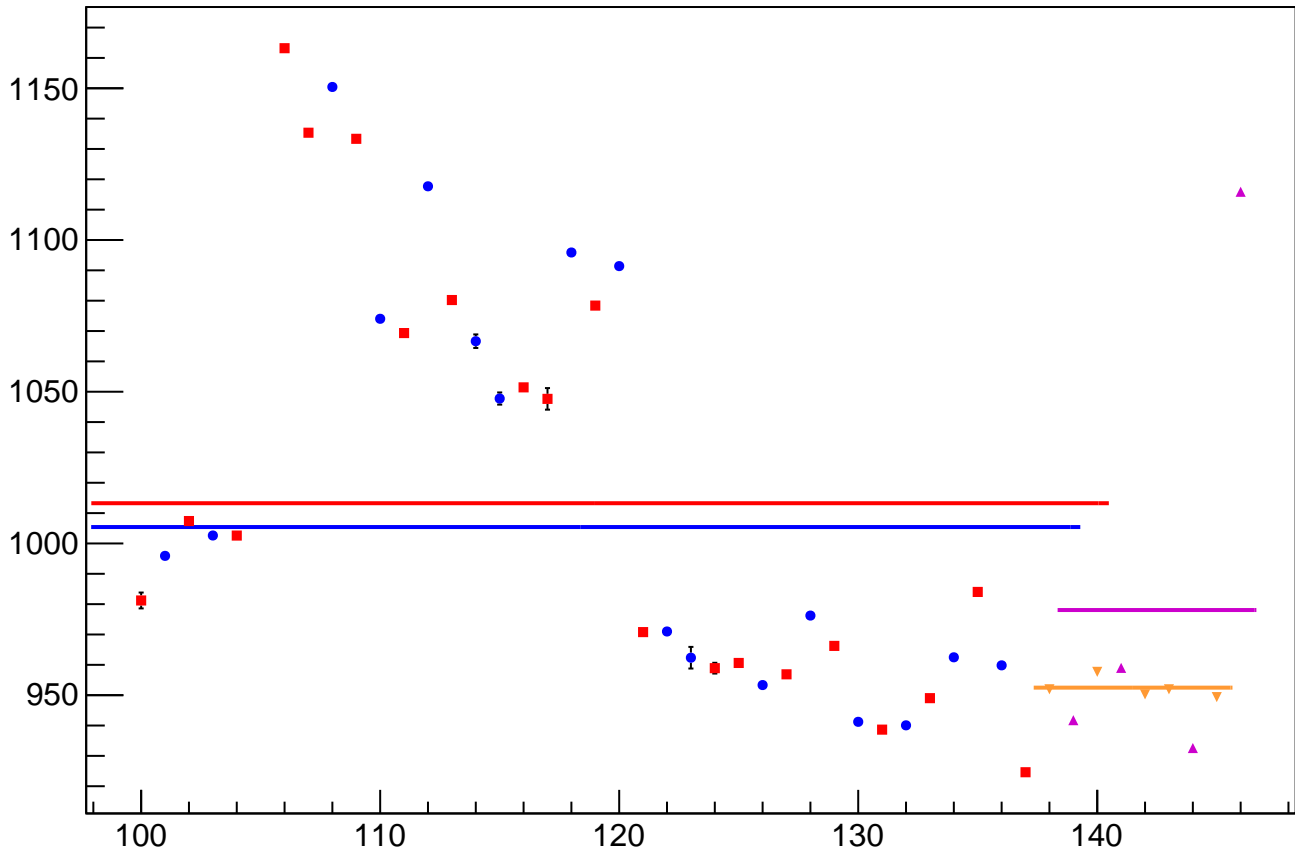
Right Out: 27.125 ± 0.379 χ^2/NDF : 4283.6/19

Left In: -1.061 ± 0.548 χ^2/NDF : 132.3/3

3.407 ± 0.311 χ^2/NDF : 5760.5/21

18.025 ± 0.311 χ^2/NDF : 6206.2/23

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

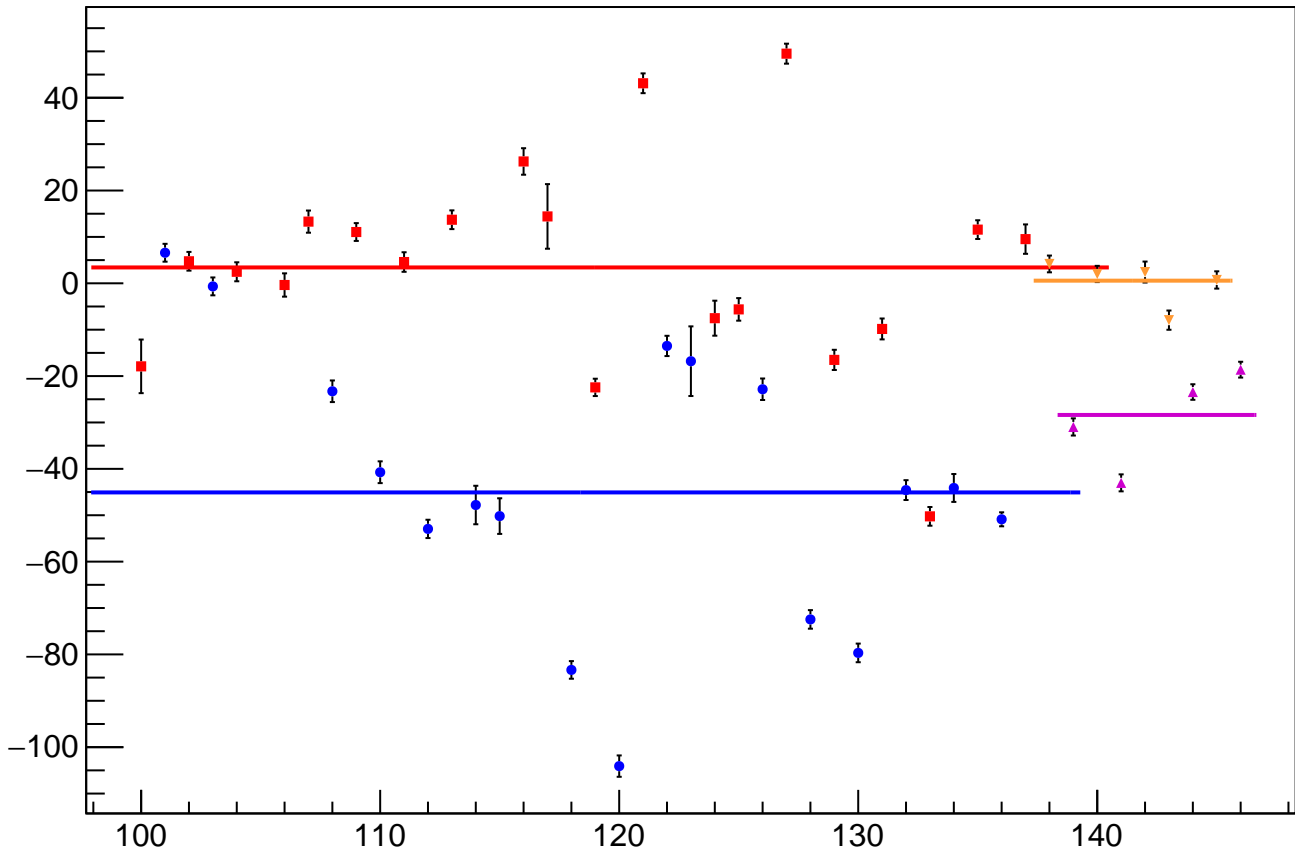
Right Out: 1013.260 \pm 0.268 χ^2 /NDF: 63359.8/19

Left In: 978.060 \pm 0.388 χ^2 /NDF:31651.6/3

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

1001.895 \pm 0.220 χ^2 /NDF: 100595.7/23

diff_bpm0i02X_mean vs Slug



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

Left Out: 0.570 ± 0.861 $\chi^2/\text{NDF}: 22.2/4$

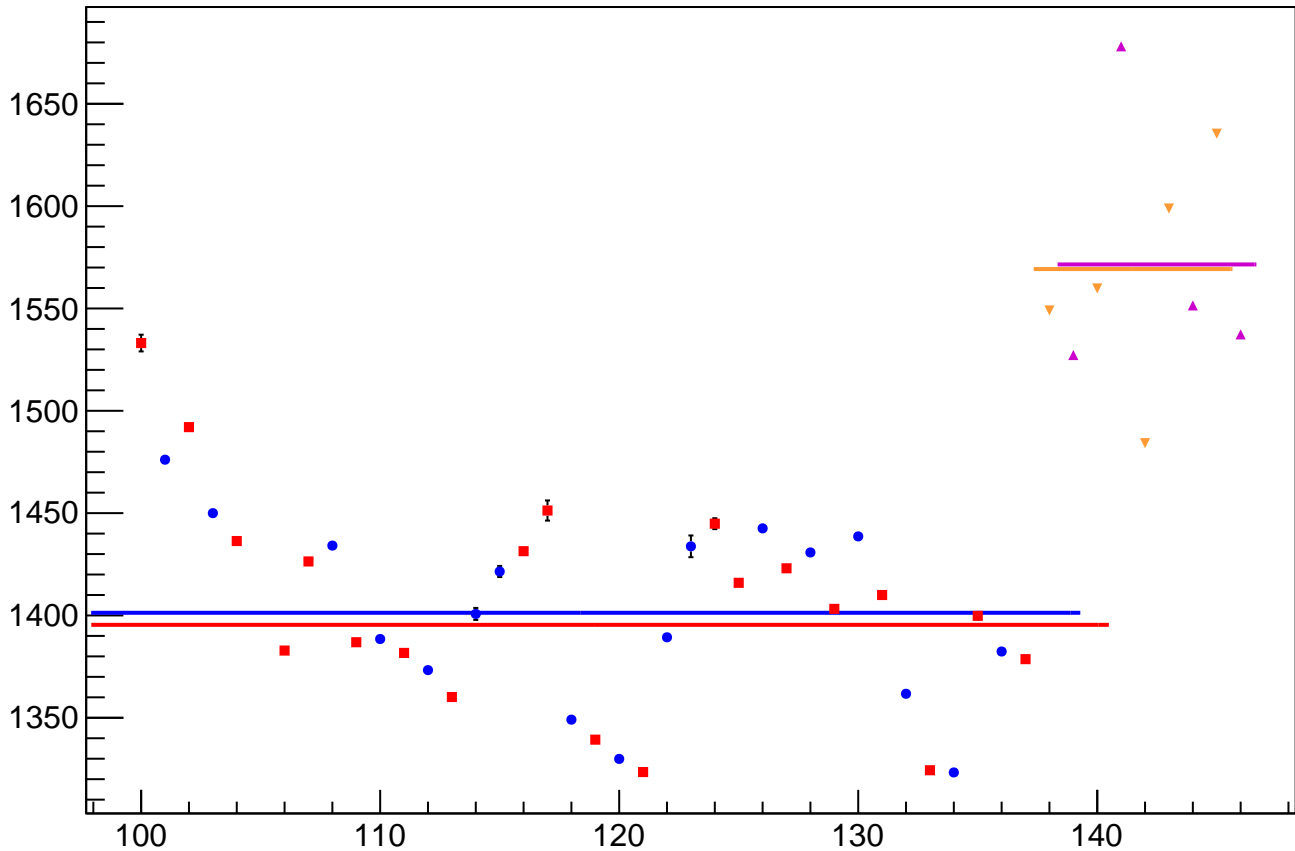
Right Out: 3.419 ± 0.520 $\chi^2/\text{NDF}: 2008.2/19$

Left In: -28.380 ± 0.880 $\chi^2/\text{NDF}: 107.4/3$

-32.207 ± 0.457 $\chi^2/\text{NDF}: 5277.9/21$

-4.813 ± 0.448 $\chi^2/\text{NDF}: 3082.4/23$

diff_bpm0i02X_rms vs Slug



Right In: 1401.307 ± 0.382 $\chi^2/\text{NDF}: 12852.1/16$

Left Out: 1569.252 ± 0.609 $\chi^2/\text{NDF}: 6063.8/4$

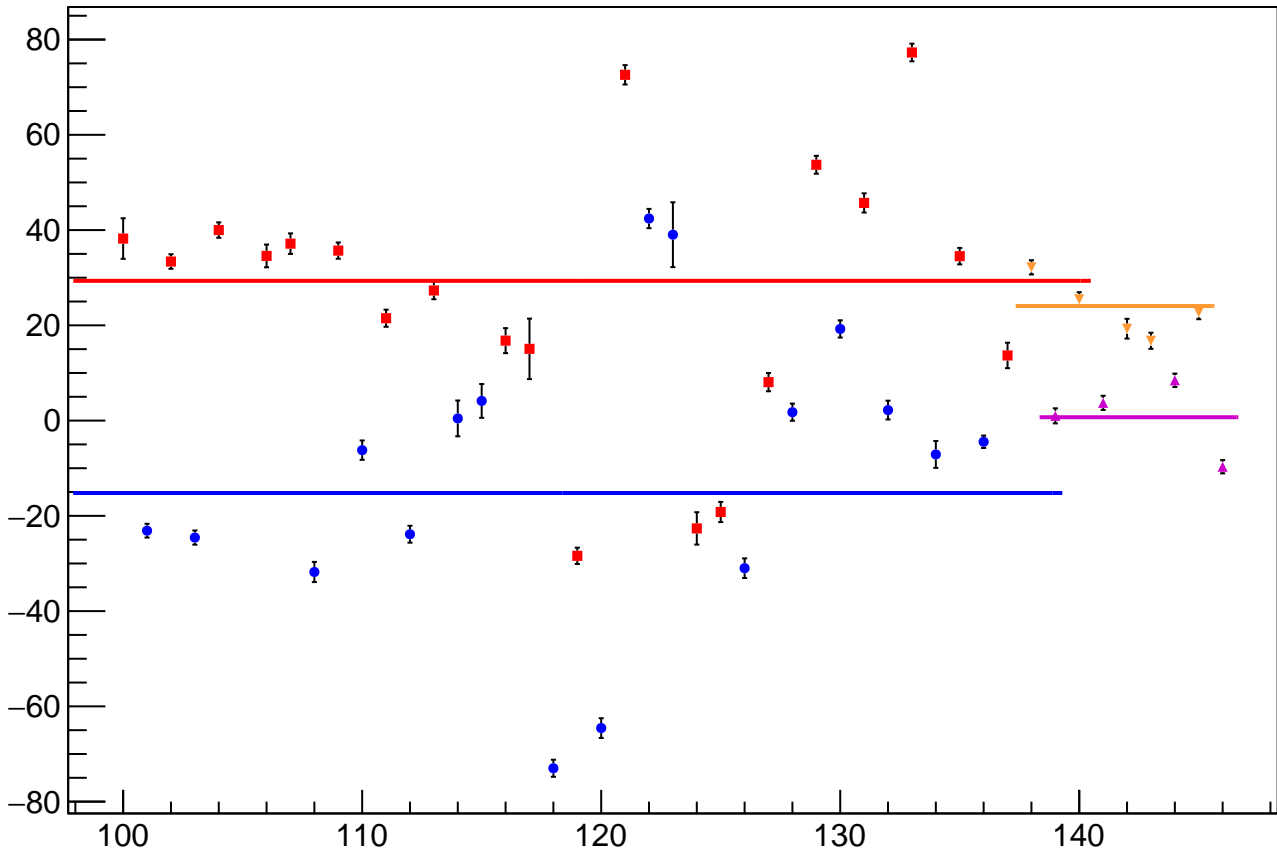
Right Out: 1395.419 ± 0.368 $\chi^2/\text{NDF}: 15649.3/19$

Left In: 1571.510 ± 0.623 $\chi^2/\text{NDF}: 9007.7/3$

1448.668 ± 0.323 $\chi^2/\text{NDF}: 73531.8/21$

1441.006 ± 0.317 $\chi^2/\text{NDF}: 83951.1/23$

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

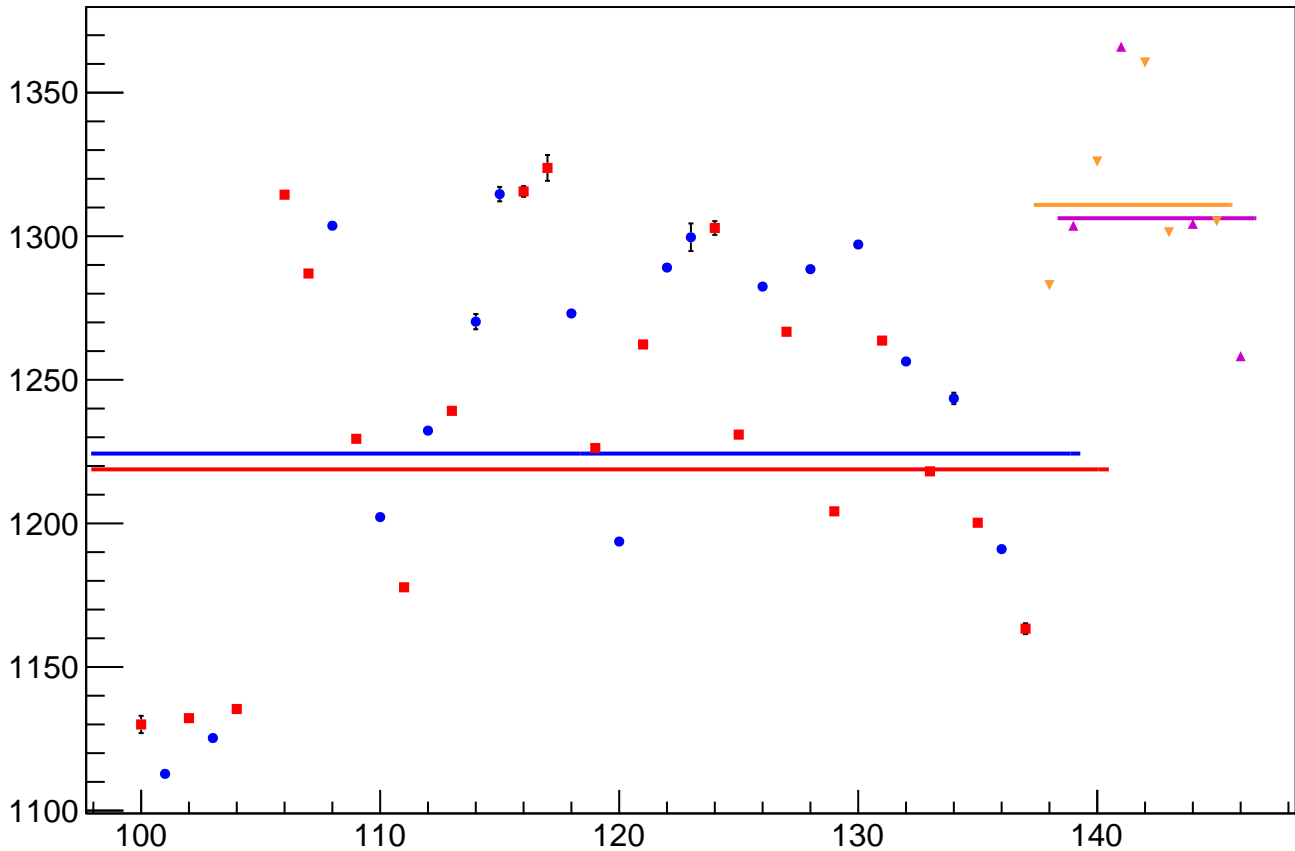
Right Out: 29.344 ± 0.455 χ^2/NDF : 3549.9/19

Left In: 0.709 ± 0.732 χ^2/NDF : 90.0/3

-3.377 ± 0.395 χ^2/NDF : 5500.4/21

21.359 ± 0.386 χ^2/NDF : 4744.3/23

diff_bpm0i02Y_rms vs Slug



Right In: 1224.320 ± 0.334 $\chi^2/\text{NDF}: 38778.2/16$

Left Out: 1310.919 ± 0.509 $\chi^2/\text{NDF}: 2139.3/4$

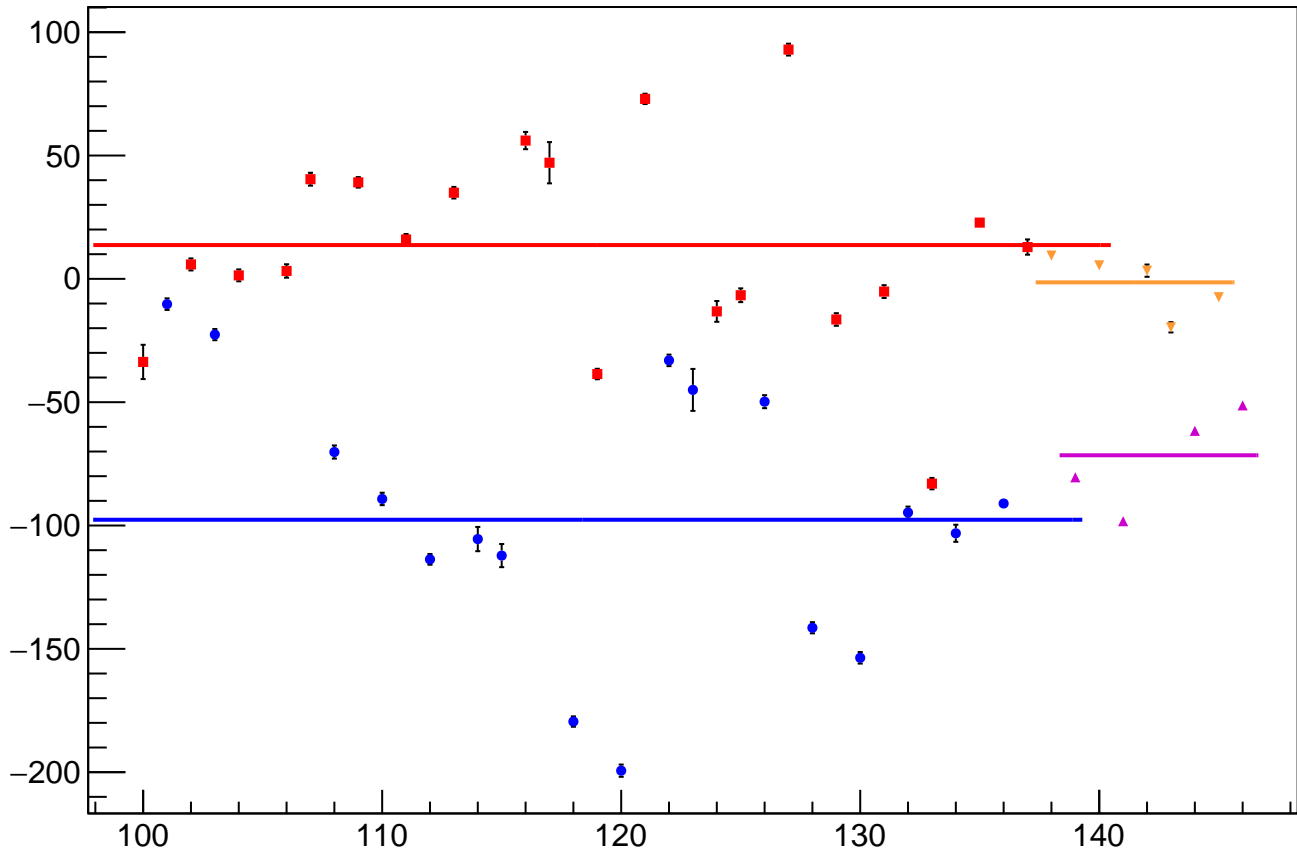
1250.401 ± 0.279 $\chi^2/\text{NDF}: 61183.7/21$

Right Out: 1218.817 ± 0.322 $\chi^2/\text{NDF}: 28121.5/19$

1243.204 ± 0.273 $\chi^2/\text{NDF}: 54312.5/23$

Left In: 1306.274 ± 0.517 $\chi^2/\text{NDF}: 5589.0/3$

diff_bpm0i02aX_mean vs Slug



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

Left Out: -1.420 ± 0.890 $\chi^2/\text{NDF}: 138.1/4$

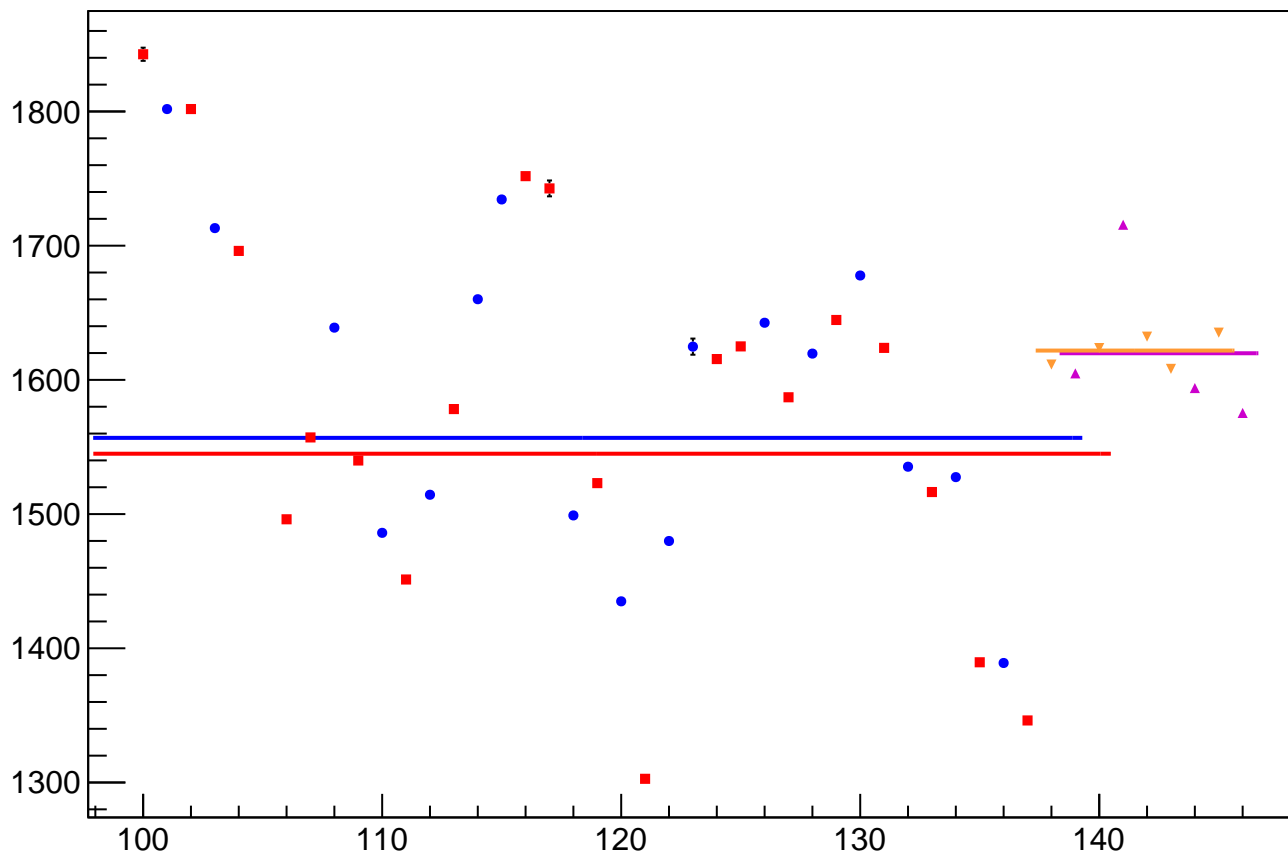
Right Out: 13.698 ± 0.578 $\chi^2/\text{NDF}: 5144.2/19$

Left In: -71.521 ± 0.907 $\chi^2/\text{NDF}: 392.2/3$

-67.472 ± 0.498 $\chi^2/\text{NDF}: 16108.7/21$

-10.899 ± 0.487 $\chi^2/\text{NDF}: 11811.0/23$

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

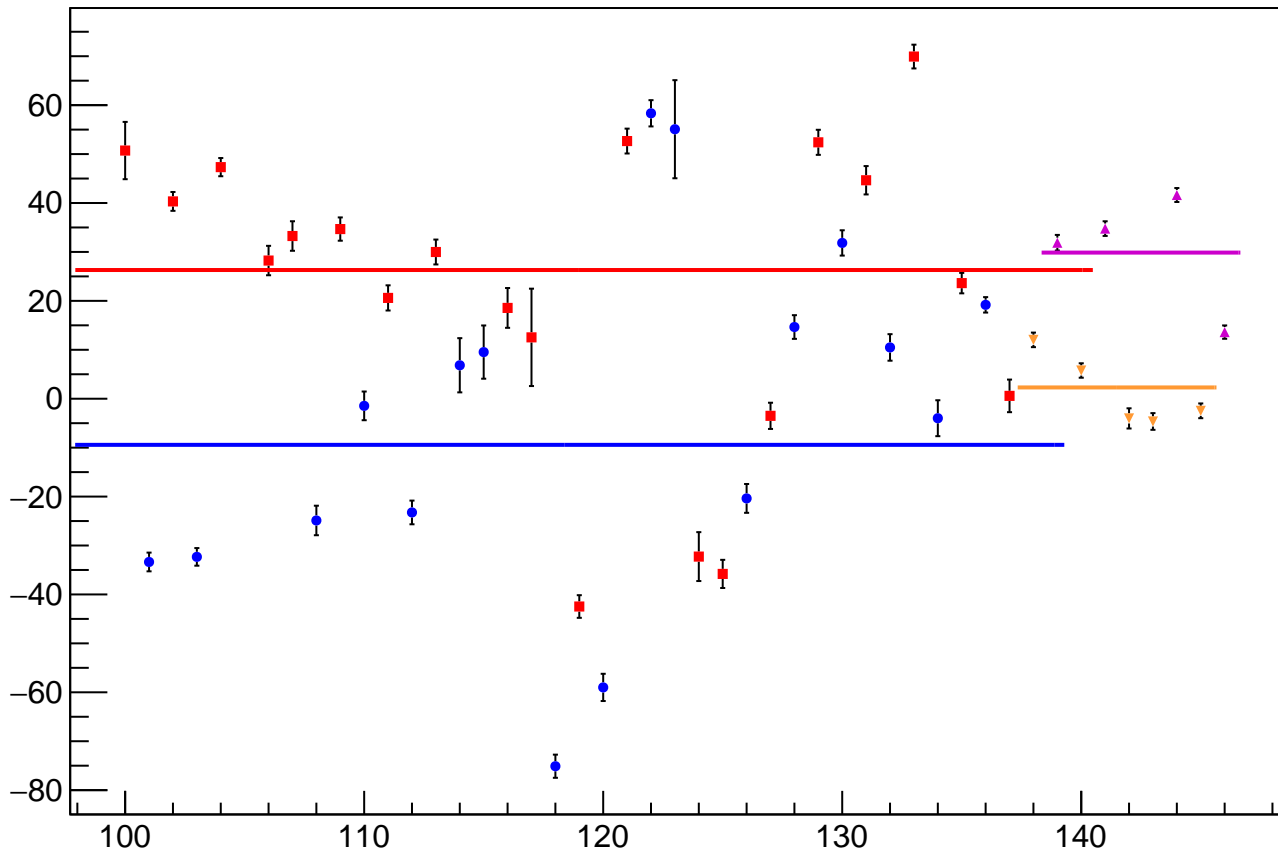
Right Out: 1544.983 ± 0.409 χ^2/NDF : 101624.6/19

Left In: 1619.844 ± 0.642 χ^2/NDF : 7099.0/3

1577.202 ± 0.352 χ^2/NDF : 89176.4/21

1566.590 ± 0.345 χ^2/NDF : 118407.7/23

diff_bpm0i02aY_mean vs Slug



Right In: -9.427 ± 0.626 $\chi^2/\text{NDF}: 2924.1/16$

Left Out: 2.305 ± 0.720 $\chi^2/\text{NDF}: 84.3/4$

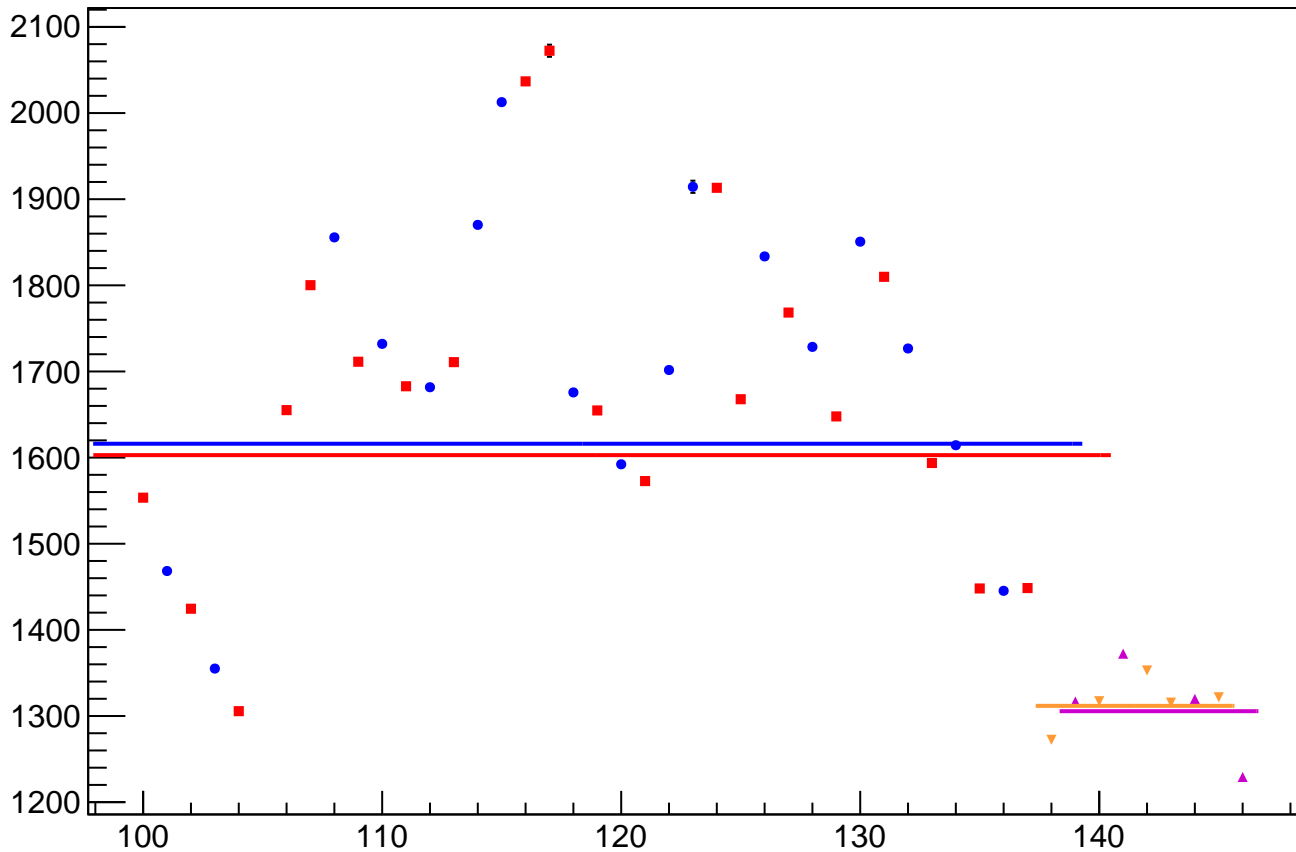
Right Out: 26.304 ± 0.602 $\chi^2/\text{NDF}: 2474.0/19$

Left In: 29.865 ± 0.732 $\chi^2/\text{NDF}: 222.6/3$

-4.372 ± 0.473 $\chi^2/\text{NDF}: 3159.5/21$

27.740 ± 0.465 $\chi^2/\text{NDF}: 2710.7/23$

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

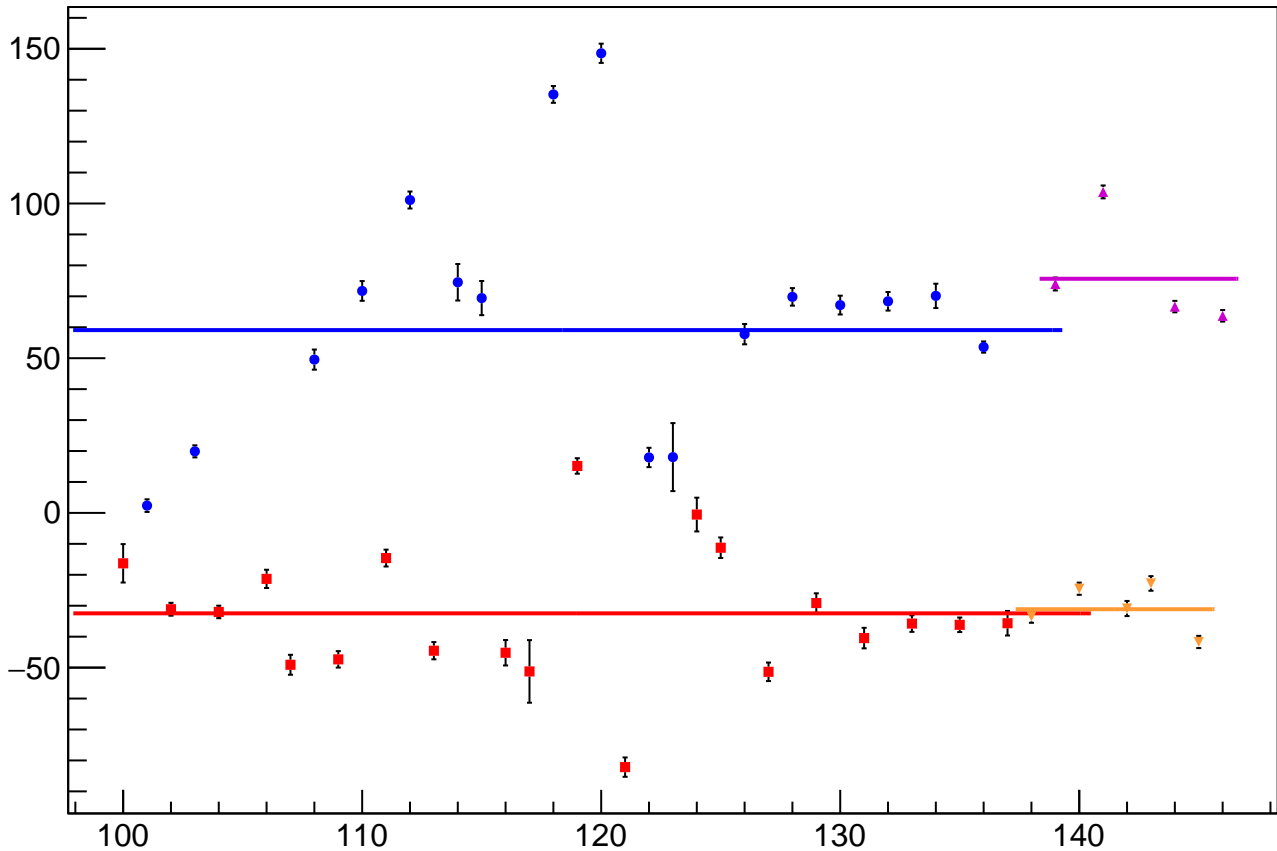
Right Out: 1602.857+/-0.425 χ^2 /NDF: 158119.5/19

Left In: 1305.597+/-0.517 χ^2 /NDF:10548.9/3

1484.980+/-0.334 χ^2 /NDF: 355245.5/21

1482.959+/-0.329 χ^2 /NDF: 365563.0/23

diff_bpm0i05X_mean vs Slug



Right In: 59.081 ± 0.699 $\chi^2/\text{NDF}: 3293.6/16$

Left Out: -31.130 ± 0.960 $\chi^2/\text{NDF}: 53.6/4$

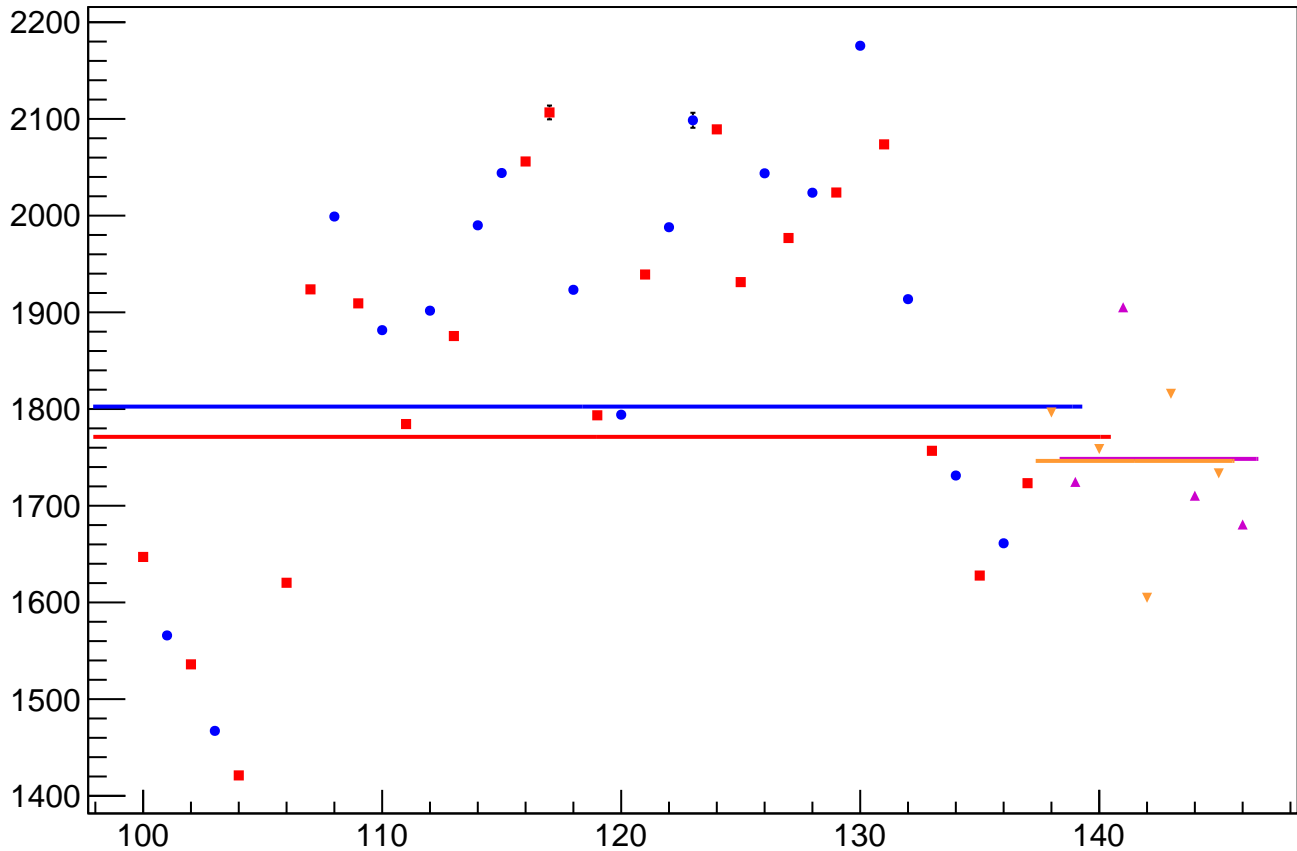
Right Out: -32.463 ± 0.665 $\chi^2/\text{NDF}: 894.9/19$

Left In: 75.671 ± 0.981 $\chi^2/\text{NDF}: 247.3/3$

27.785 ± 0.565 $\chi^2/\text{NDF}: 9117.8/21$

1.598 ± 0.550 $\chi^2/\text{NDF}: 9470.1/23$

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

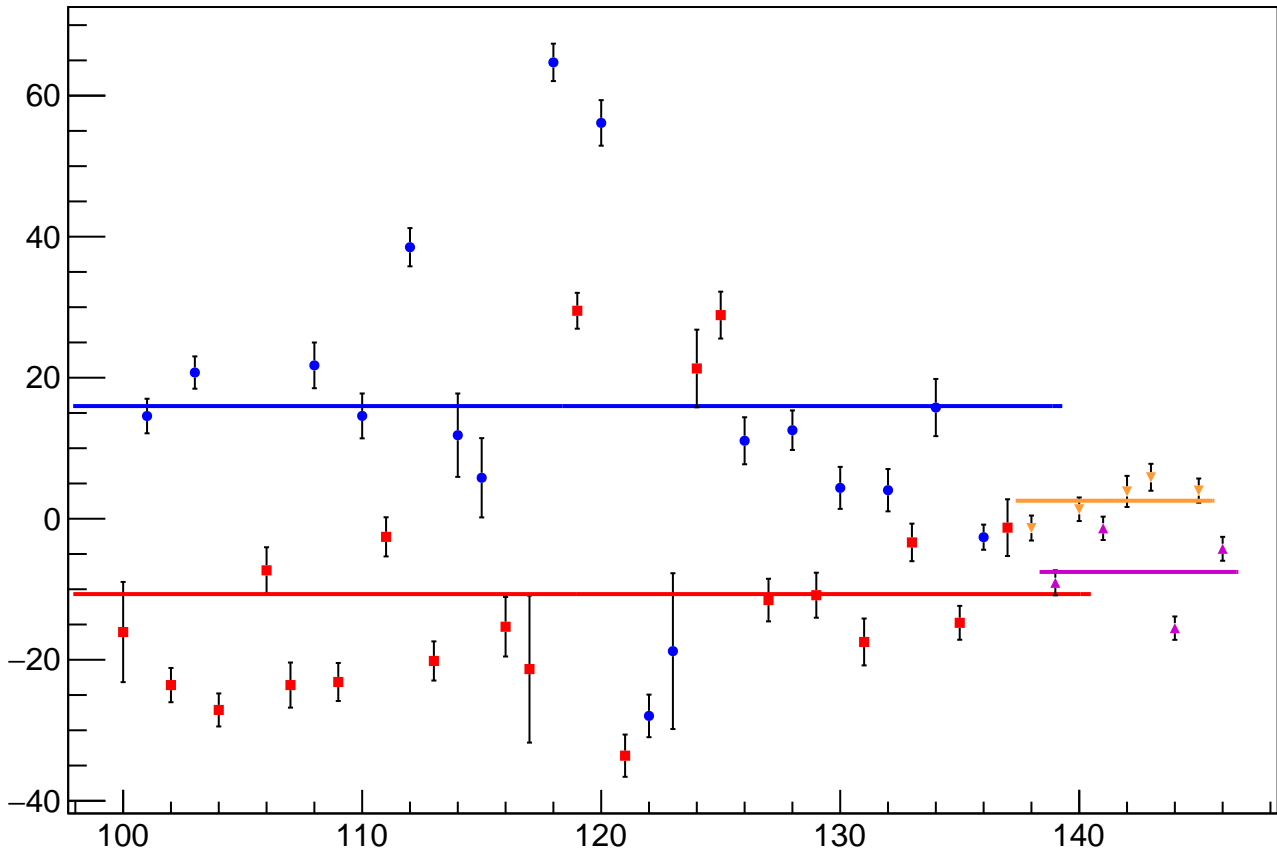
Right Out: 1771.228+/-0.470 χ^2 /NDF: 180101.6/19

Left In: 1748.454+/-0.693 χ^2 /NDF:15088.3/3

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

1764.054+/-0.389 χ^2 /NDF: 195928.7/23

diff_bpm0i05Y_mean vs Slug



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

10.097 ± 0.541 χ^2/NDF : 1099.3/21

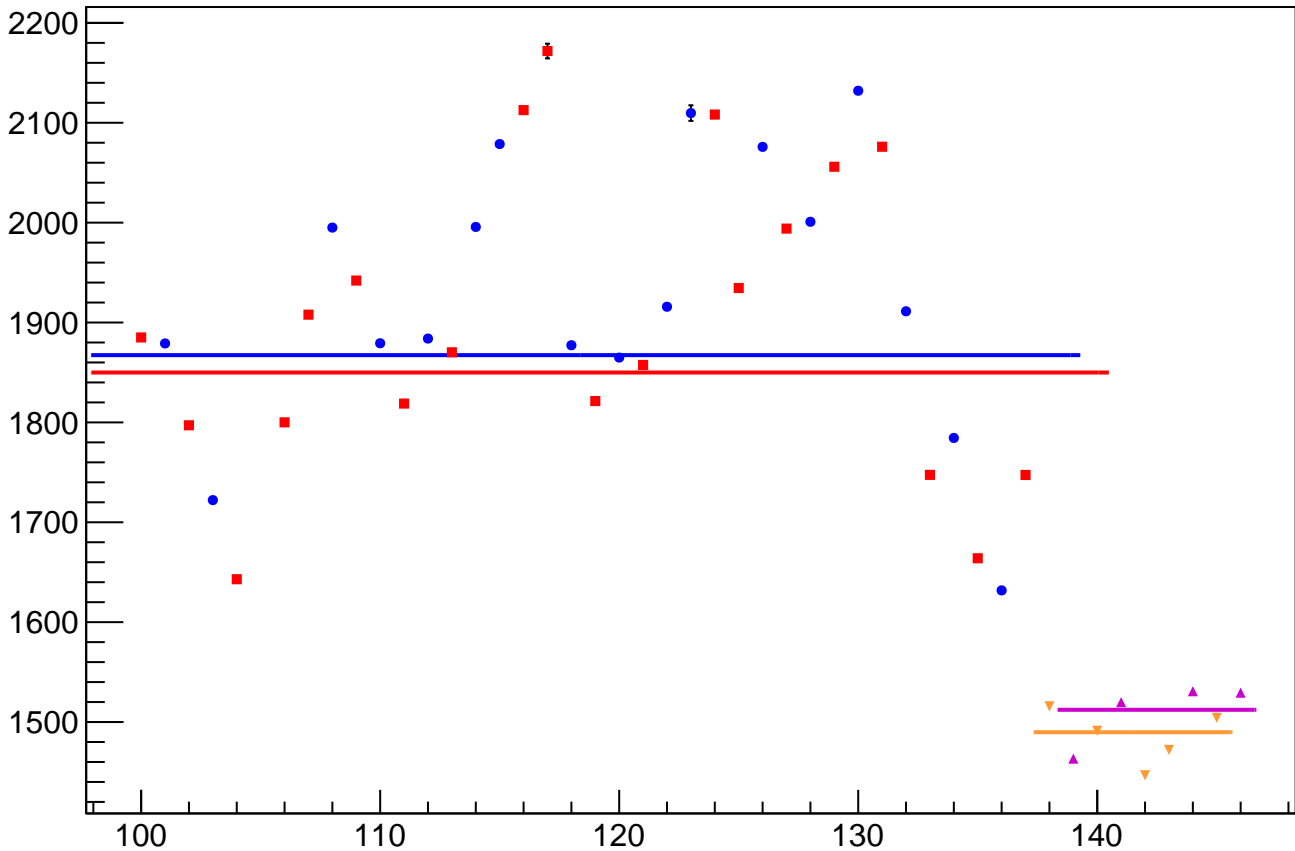
Left Out: 2.556 ± 0.817 χ^2/NDF : 9.4/4

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

-9.428 ± 0.536 χ^2/NDF : 693.0/23

Left In: -7.545 ± 0.847 χ^2/NDF : 41.6/3

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

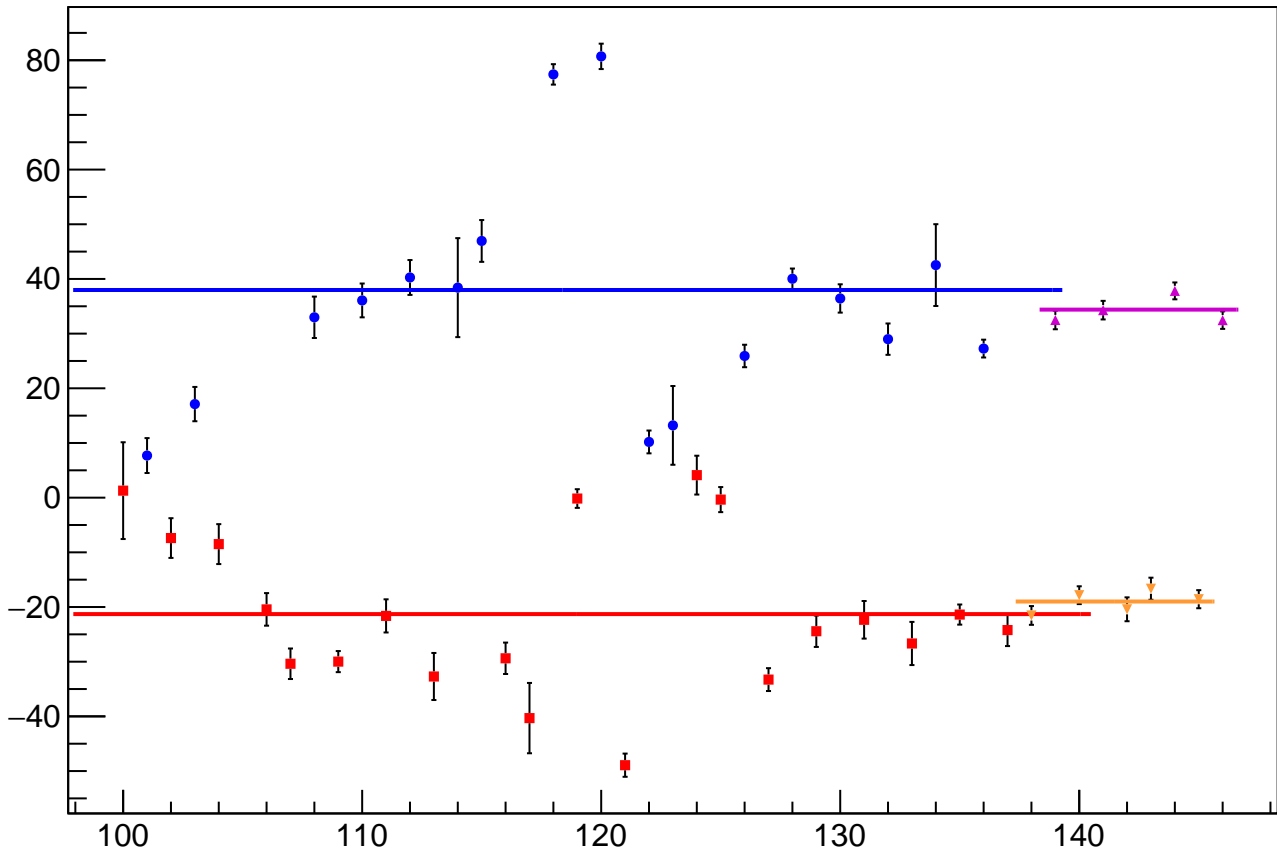
Right Out: 1849.954+/-0.489 χ^2 /NDF: 74440.9/19

Left In: 1512.252+/-0.599 χ^2 /NDF:2017.3/3

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

1714.732+/-0.379 χ^2 /NDF: 267280.9/23

diff_bpm0i07X_mean vs Slug



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

16.077 ± 0.500 $\chi^2/\text{NDF}: 4280.4/21$

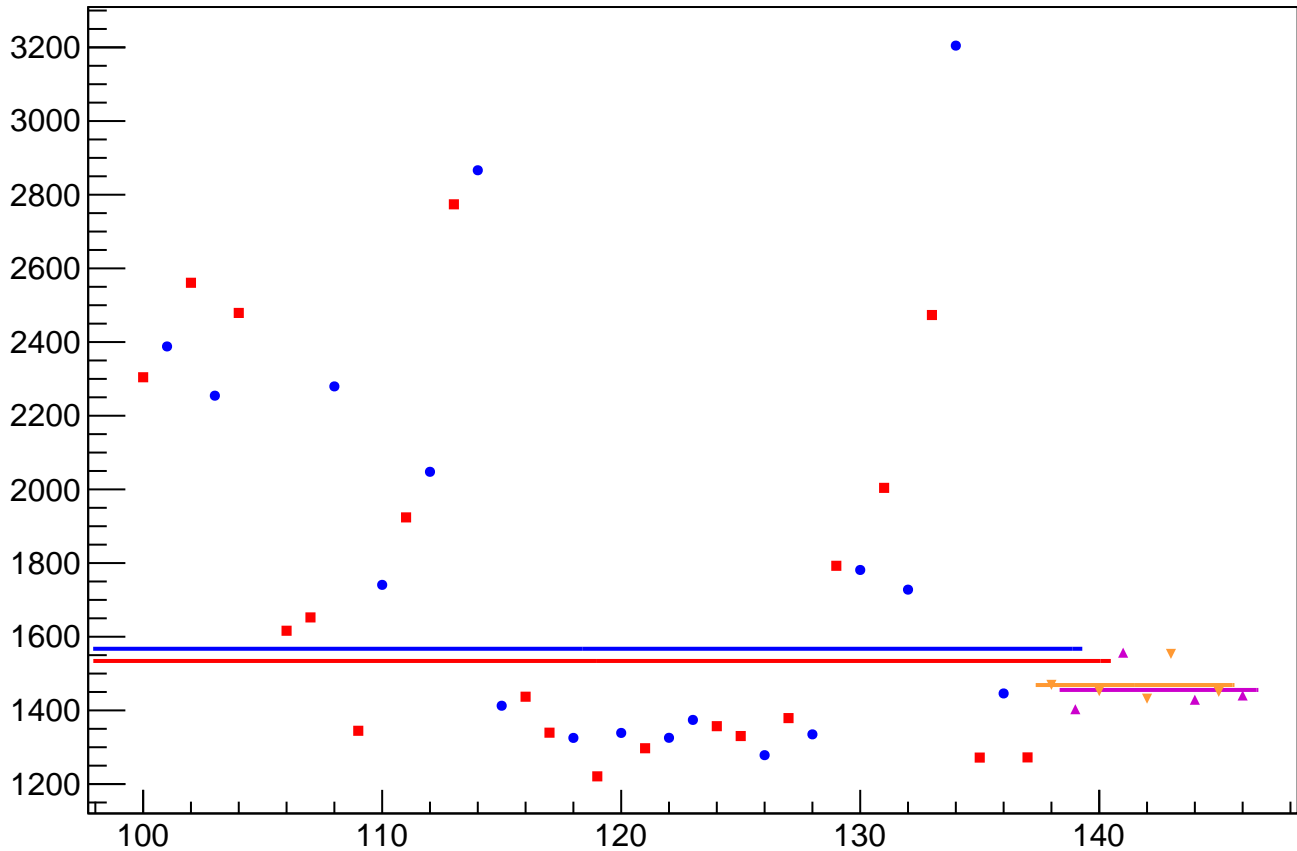
Left Out: -18.994 ± 0.807 $\chi^2/\text{NDF}: 4.5/4$

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

-1.518 ± 0.486 $\chi^2/\text{NDF}: 3592.4/23$

Left In: 34.391 ± 0.816 $\chi^2/\text{NDF}: 7.6/3$

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

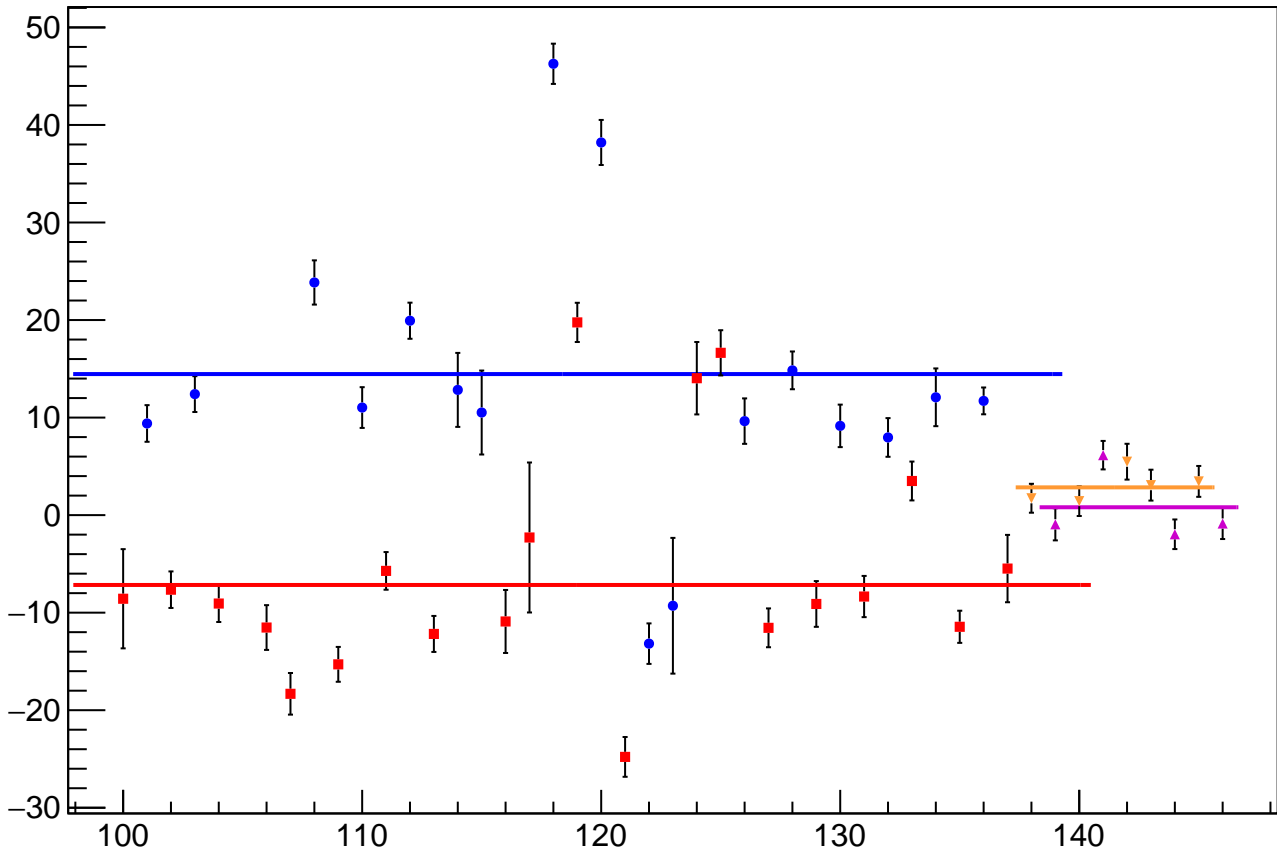
Right Out: 1534.225+/-0.428 χ^2 /NDF: 883947.6/19

Left In: 1455.541+/-0.577 χ^2 /NDF: 9748.0/3

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

1506.280+/-0.344 χ^2 /NDF: 905684.7/23

diff_bpm0i07Y_mean vs Slug



Right In: 14.461 ± 0.523 $\chi^2/\text{NDF}: 595.9/16$

10.377 ± 0.421 $\chi^2/\text{NDF}: 772.9/21$

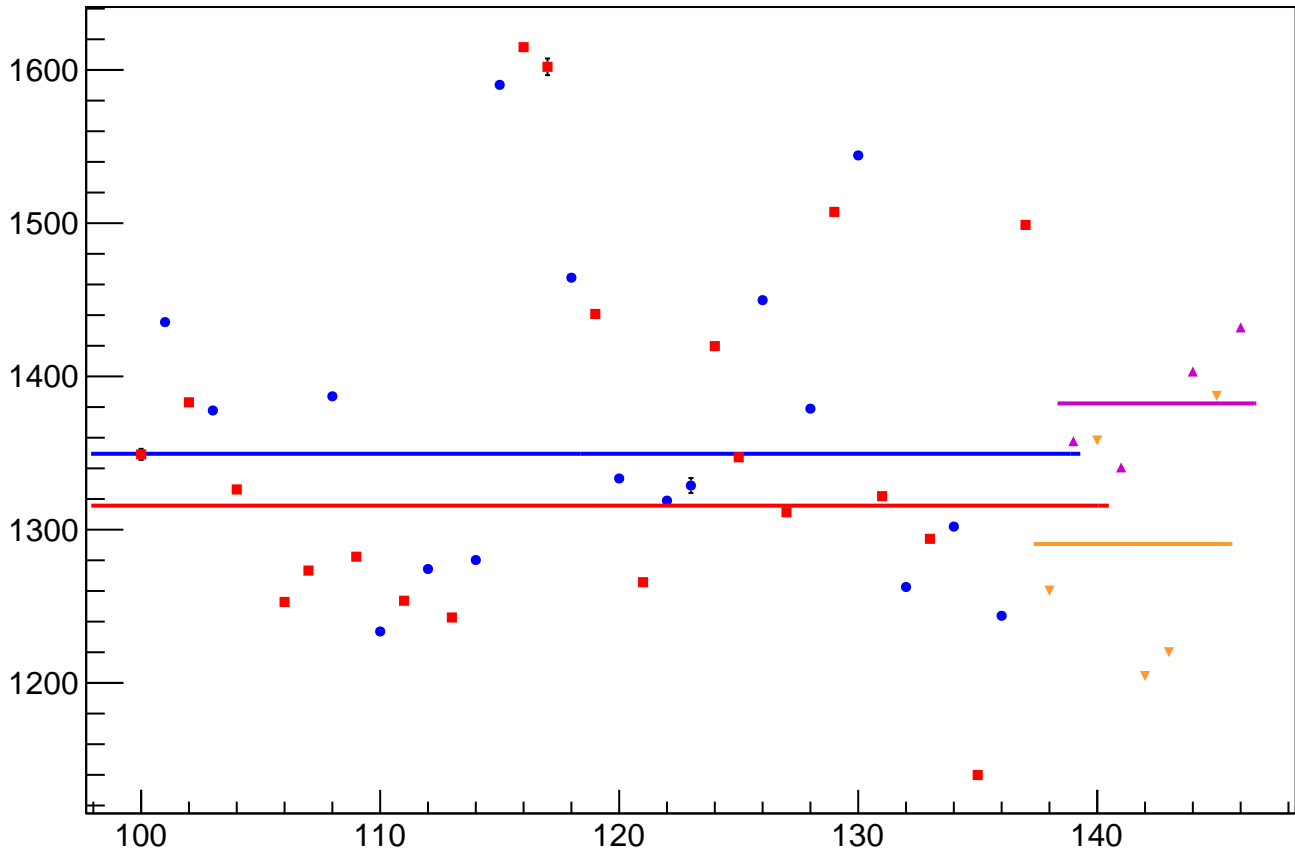
Left Out: 2.845 ± 0.711 $\chi^2/\text{NDF}: 3.6/4$

Right Out: -7.161 ± 0.493 $\chi^2/\text{NDF}: 496.1/19$

-4.861 ± 0.416 $\chi^2/\text{NDF}: 590.3/23$

Left In: 0.805 ± 0.774 $\chi^2/\text{NDF}: 18.9/3$

diff_bpm0i07Y_rms vs Slug



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

Left Out: 1290.640+/-0.502 χ^2 /NDF: 20603.6/4

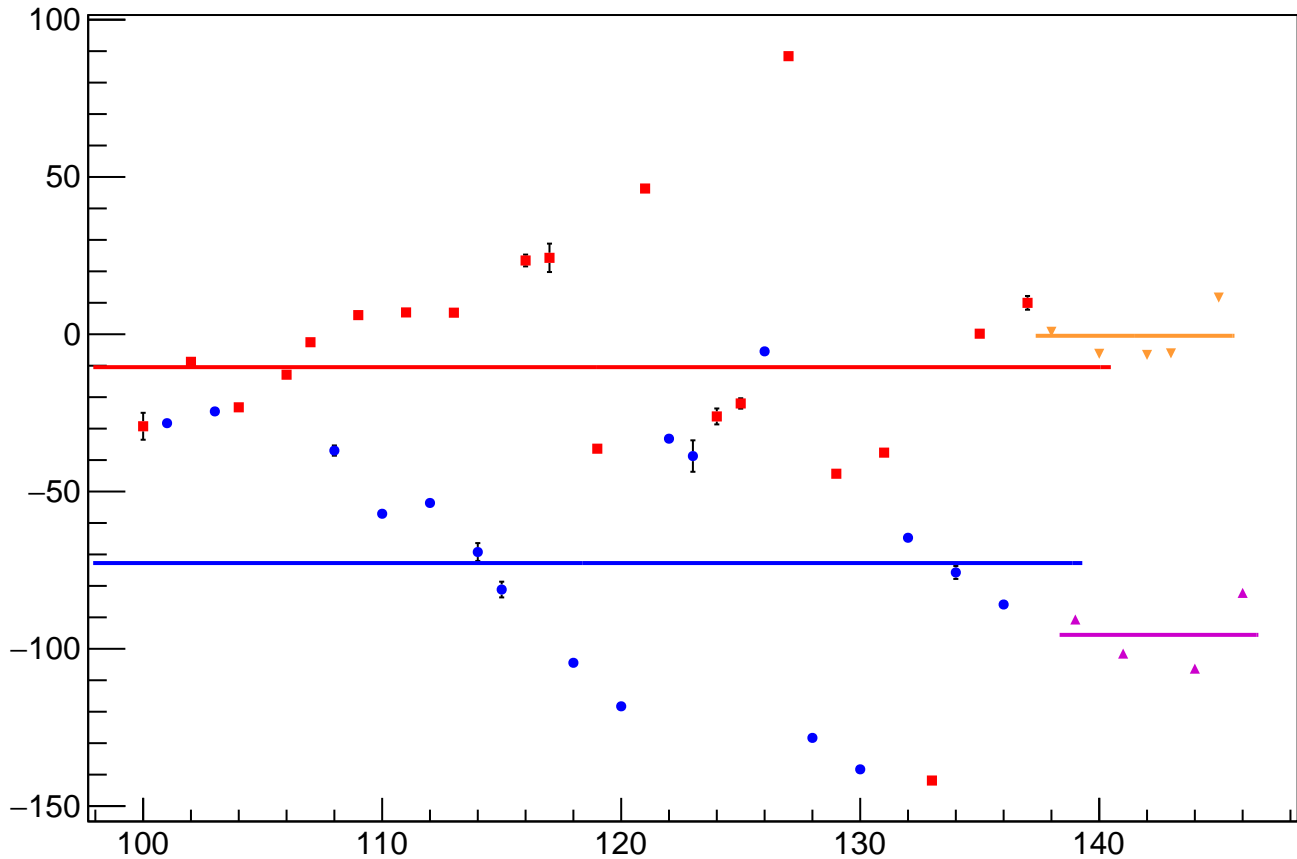
Right Out: 1315.669+/-0.349 χ^2 /NDF: 83739.0/19

Left In: 1382.384+/-0.548 χ^2 /NDF: 4407.6/3

1328.822+/-0.298 χ^2 /NDF: 94176.1/21

1334.931+/-0.294 χ^2 /NDF: 98706.6/23

diff_bpm1i02X_mean vs Slug



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

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

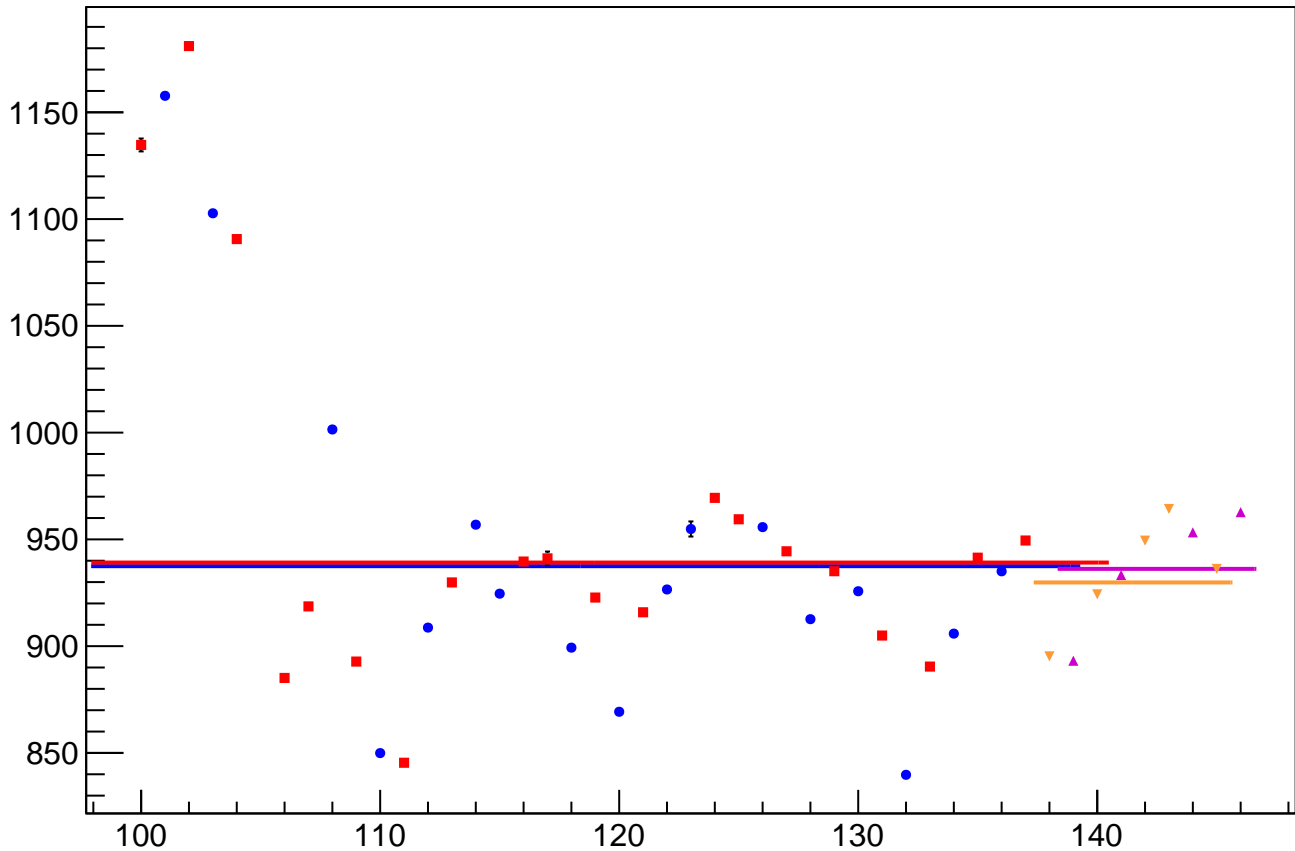
Right Out: -10.459 ± 0.351 $\chi^2/\text{NDF}: 18230.6/19$

Left In: -95.568 ± 0.524 $\chi^2/\text{NDF}: 320.2/3$

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

-36.869 ± 0.292 $\chi^2/\text{NDF}: 36767.9/23$

diff_bpm1i02X_rms vs Slug



Right In: 937.454 ± 0.256 $\chi^2/\text{NDF}: 98307.6/16$

Left Out: 929.836 ± 0.361 $\chi^2/\text{NDF}: 4205.5/4$

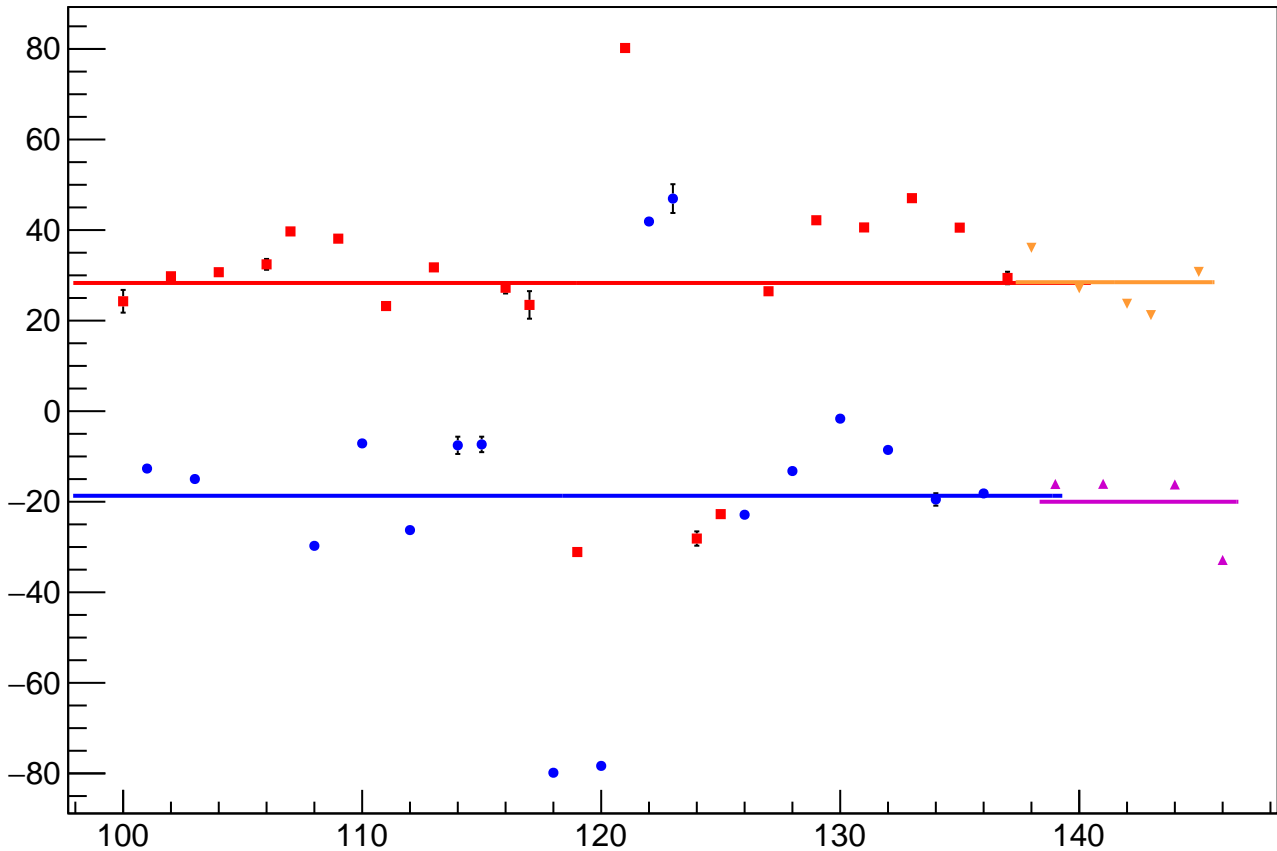
934.898 ± 0.209 $\chi^2/\text{NDF}: 102809.7/21$

Right Out: 939.152 ± 0.248 $\chi^2/\text{NDF}: 90253.6/19$

938.234 ± 0.206 $\chi^2/\text{NDF}: 95263.9/23$

Left In: 936.195 ± 0.370 $\chi^2/\text{NDF}: 4966.4/3$

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

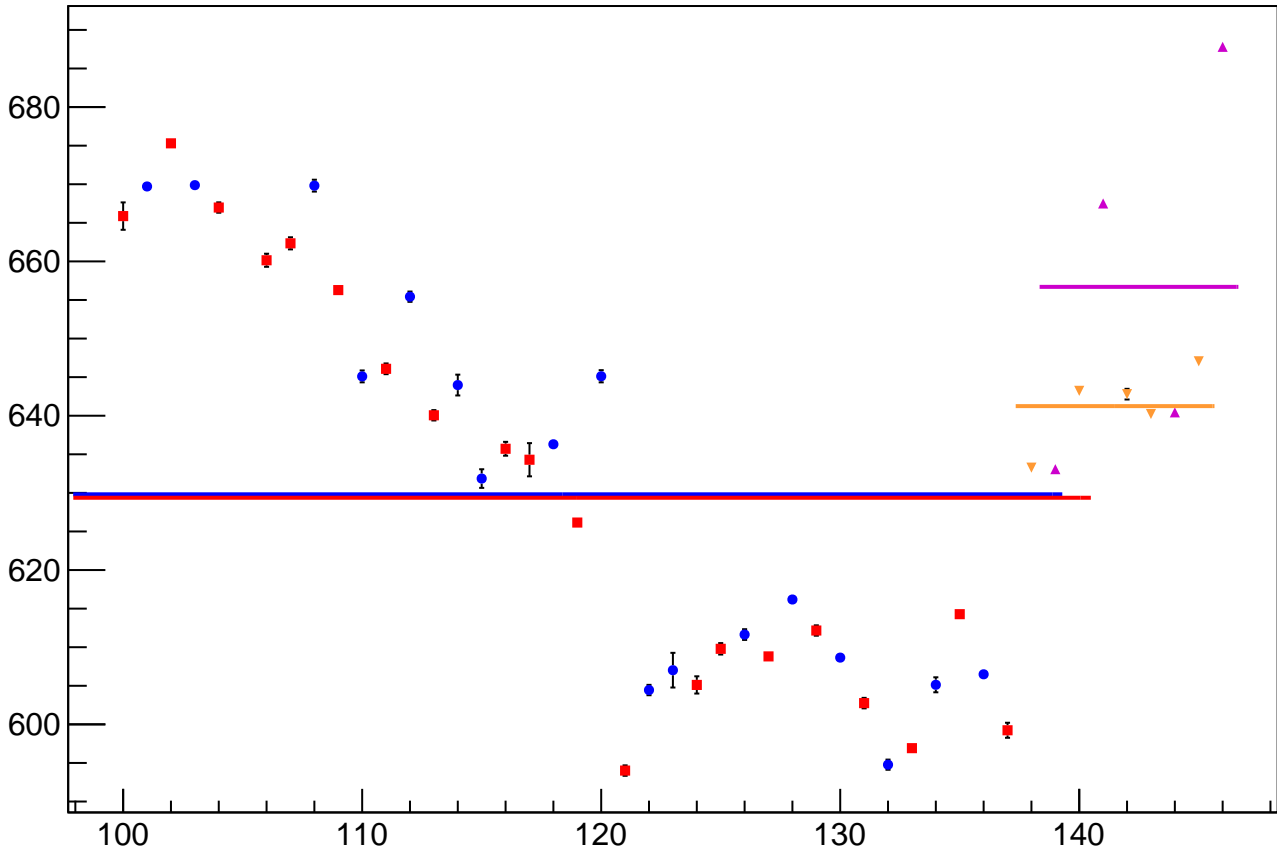
Right Out: 28.318 ± 0.235 χ^2/NDF : 12510.6/19

Left In: -20.003 ± 0.367 χ^2/NDF : 371.7/3

-3.462 ± 0.200 χ^2/NDF : 25418.4/21

14.302 ± 0.198 χ^2/NDF : 25171.7/23

diff_bpm1i02Y_rms vs Slug



Right In: 629.815 ± 0.172 χ^2/NDF : 23298.3/16

Left Out: 641.244 ± 0.249 χ^2/NDF : 380.3/4

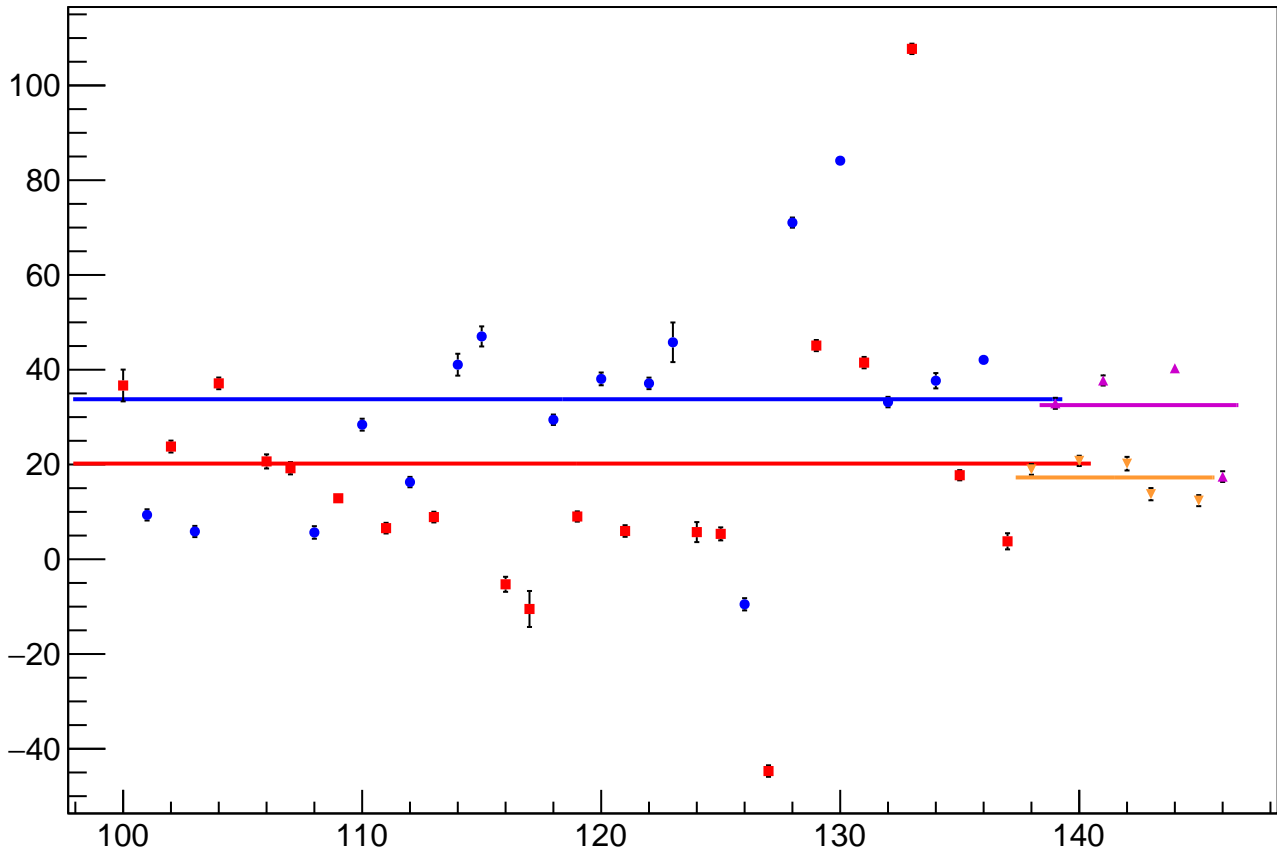
Right Out: 629.370 ± 0.166 χ^2/NDF : 25543.7/19

Left In: 656.700 ± 0.260 χ^2/NDF : 6788.0/3

633.503 ± 0.141 χ^2/NDF : 25110.3/21

637.297 ± 0.140 χ^2/NDF : 40194.9/23

diff_bpm1i04X_mean vs Slug



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

Left Out: 17.262 ± 0.538 $\chi^2/\text{NDF}: 41.9/4$

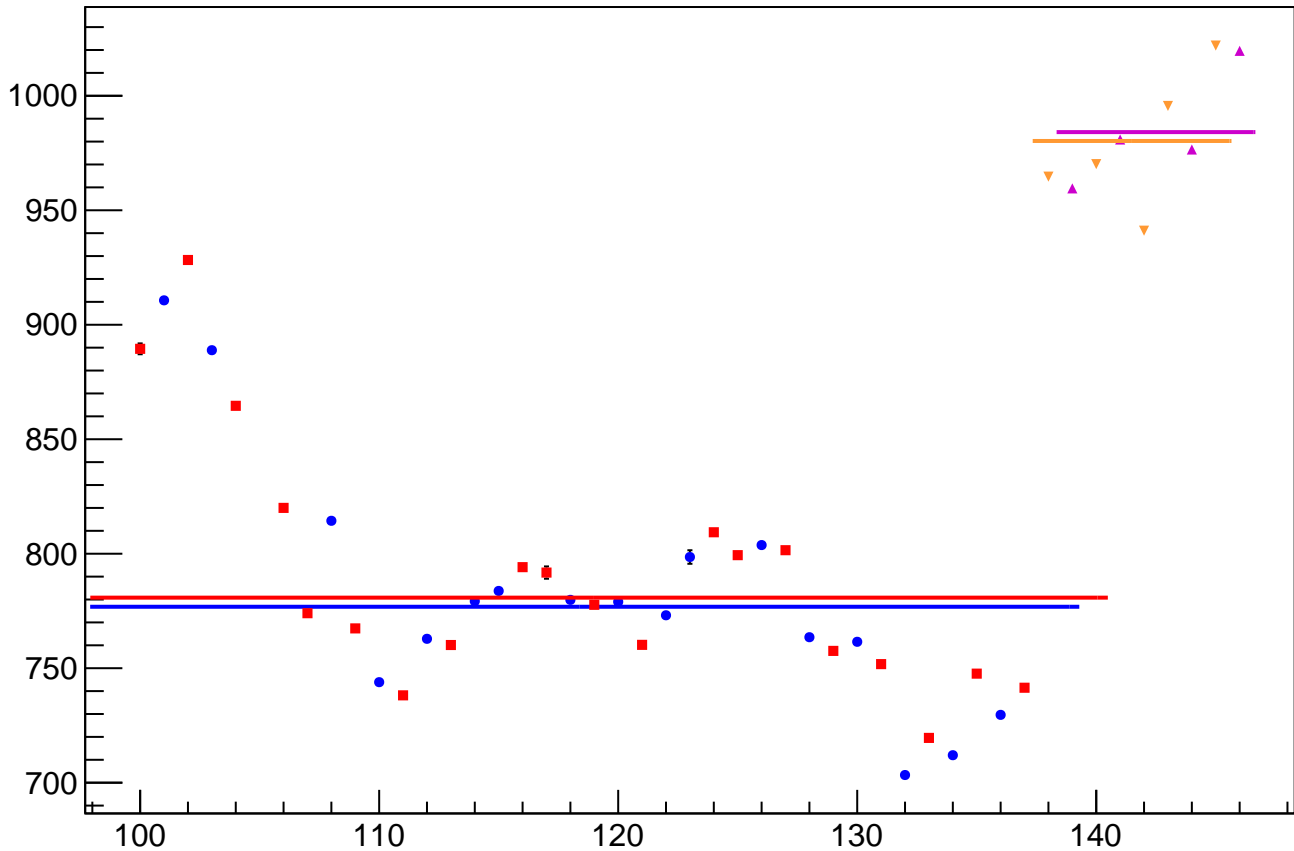
Right Out: 20.193 ± 0.292 $\chi^2/\text{NDF}: 11353.3/19$

Left In: 32.532 ± 0.550 $\chi^2/\text{NDF}: 256.8/3$

29.856 ± 0.262 $\chi^2/\text{NDF}: 7248.8/21$

22.897 ± 0.258 $\chi^2/\text{NDF}: 12002.4/23$

diff_bpm1i04X_rms vs Slug



Right In: 776.838 ± 0.212 χ^2/NDF : 67487.1/16

Left Out: 980.266 ± 0.380 χ^2/NDF : 4888.5/4

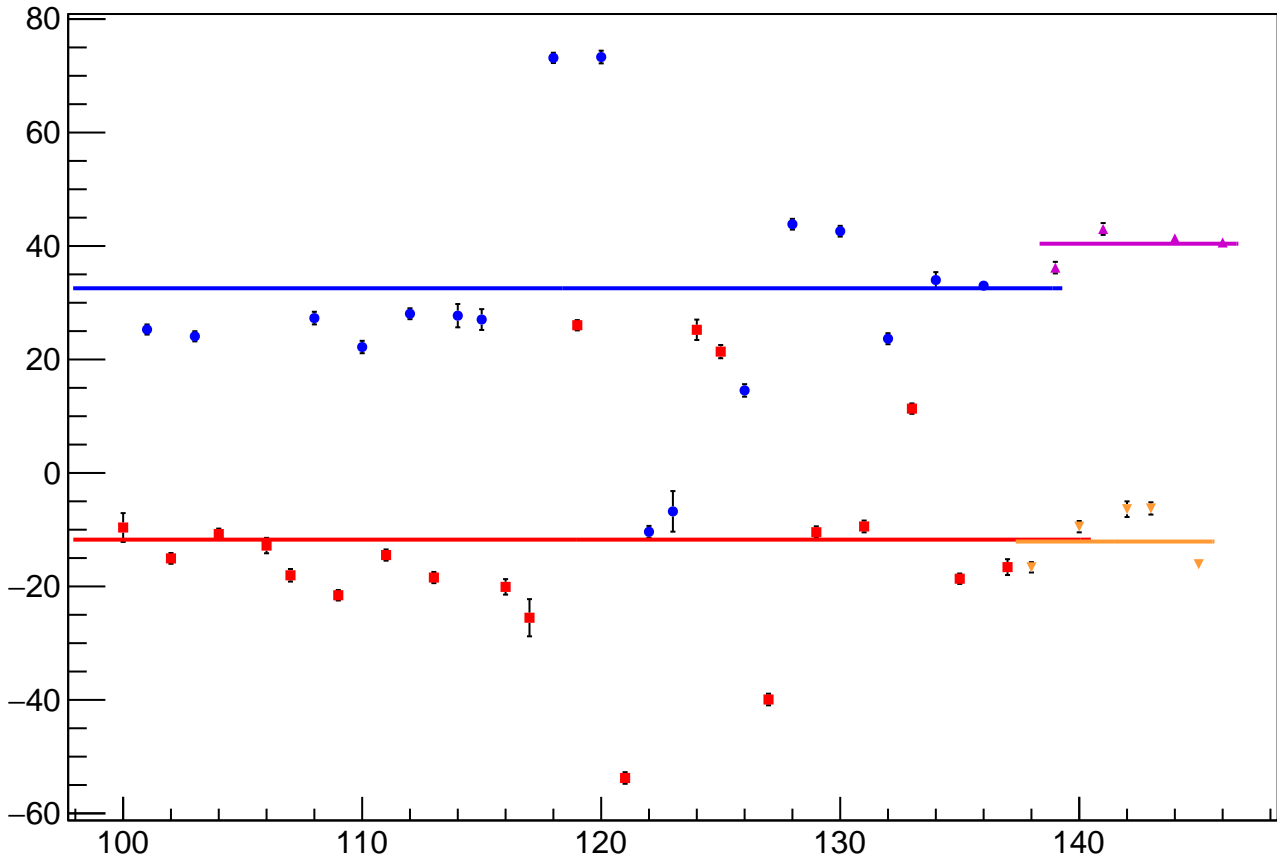
Right Out: 780.820 ± 0.206 χ^2/NDF : 57445.6/19

Left In: 984.140 ± 0.389 χ^2/NDF : 2991.6/3

825.094 ± 0.185 χ^2/NDF : 290674.5/21

825.383 ± 0.182 χ^2/NDF : 273466.9/23

diff_bpm1i04Y_mean vs Slug



Right In: 32.552 ± 0.253 $\chi^2/NDF: 6073.0/16$

Left Out: -12.087 ± 0.454 $\chi^2/NDF: 98.2/4$

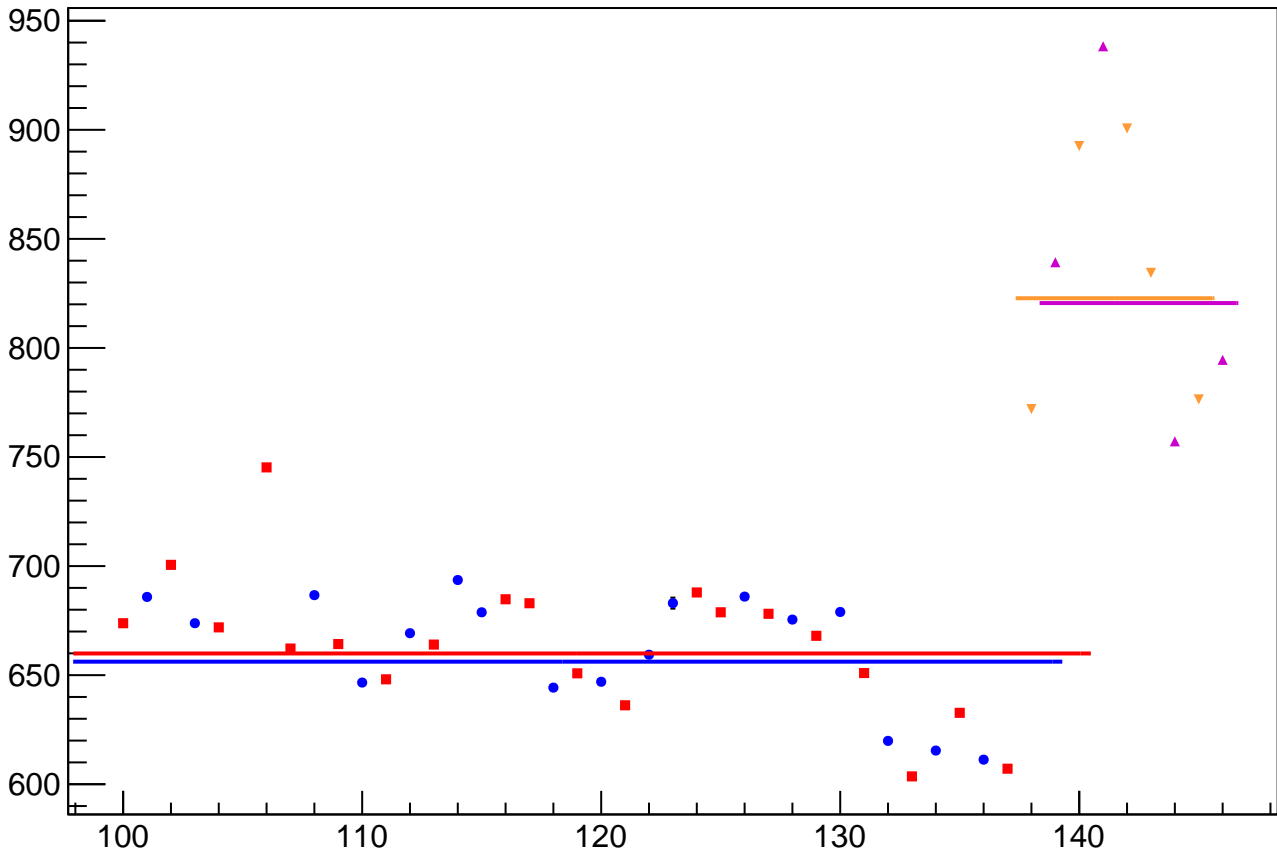
Right Out: -11.752 ± 0.246 $\chi^2/NDF: 6375.4/19$

Left In: 40.405 ± 0.464 $\chi^2/NDF: 24.7/3$

21.981 ± 0.221 $\chi^2/NDF: 13551.6/21$

-0.298 ± 0.218 $\chi^2/NDF: 16248.4/23$

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

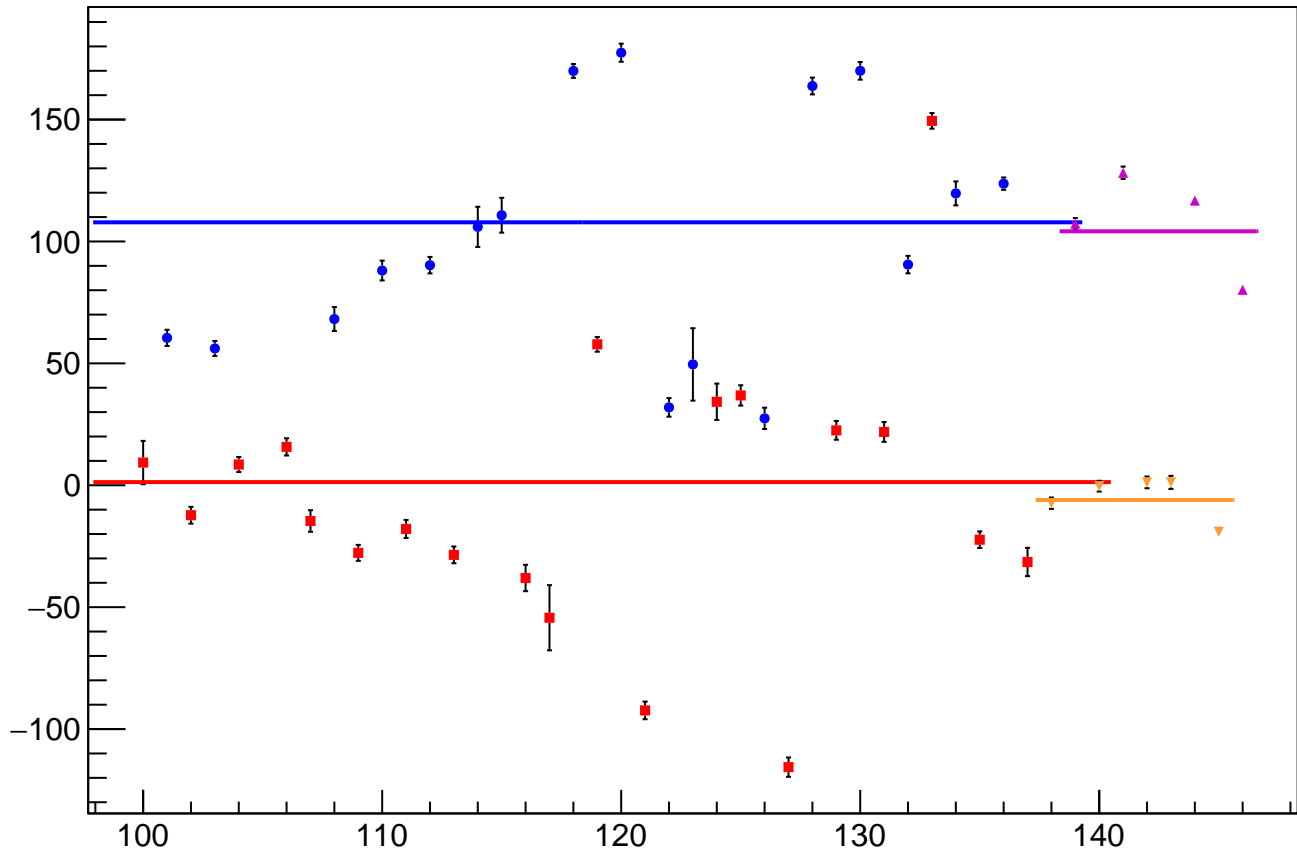
Right Out: 659.944±/0.174 χ^2/NDF : 28425.0/19

Left In: 820.577±/0.328 χ^2/NDF :39694.4/3

695.639±/0.156 χ^2/NDF : 257220.8/21

695.219±/0.154 χ^2/NDF : 254943.8/23

diff_bpm1i06X_mean vs Slug



Right In: 107.852 ± 0.922 $\chi^2/\text{NDF}: 2809.0/16$

Left Out: -6.050 ± 1.030 $\chi^2/\text{NDF}: 64.4/4$

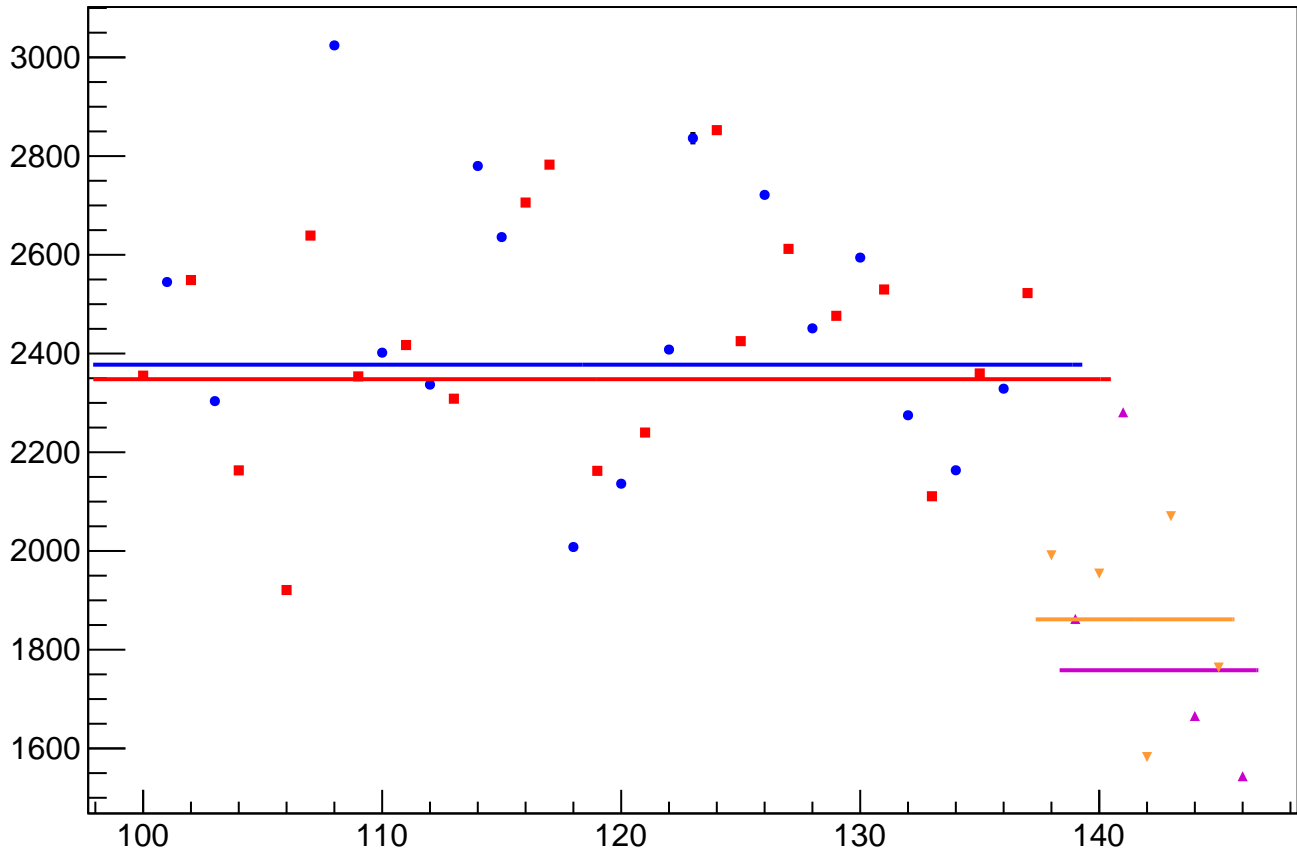
Right Out: 1.299 ± 0.881 $\chi^2/\text{NDF}: 4541.1/19$

Left In: 104.168 ± 1.003 $\chi^2/\text{NDF}: 336.3/3$

57.204 ± 0.687 $\chi^2/\text{NDF}: 9666.5/21$

46.125 ± 0.662 $\chi^2/\text{NDF}: 10813.2/23$

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

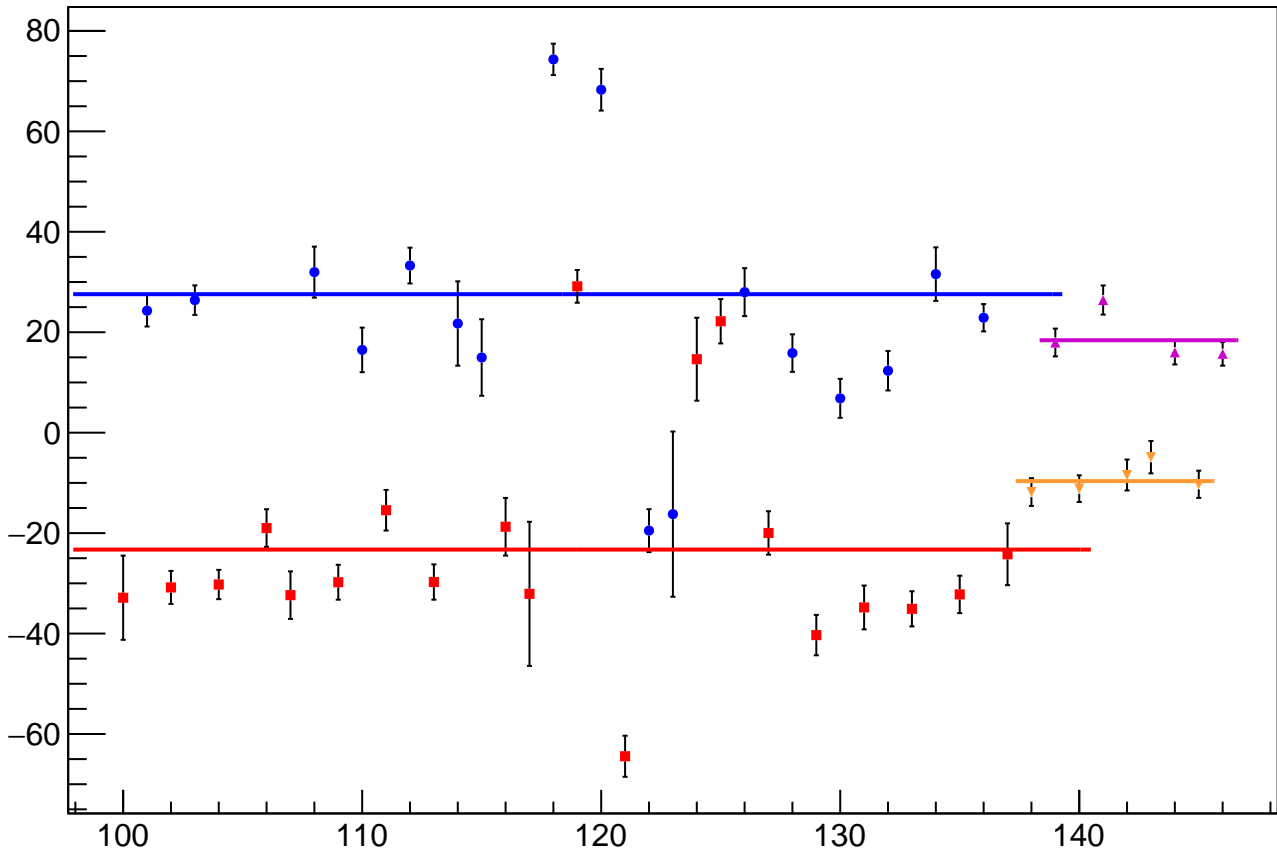
Right Out: 2348.017+/-0.623 χ^2 /NDF: 110379.6/19

Left In: 1758.391+/-0.709 χ^2 /NDF:125935.6/3

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

2091.082+/-0.468 χ^2 /NDF: 626343.5/23

diff_bpm1i06Y_mean vs Slug



Right In: 27.577 ± 0.975 $\chi^2/\text{NDF}: 519.6/16$

13.918 ± 0.776 $\chi^2/\text{NDF}: 1057.9/21$

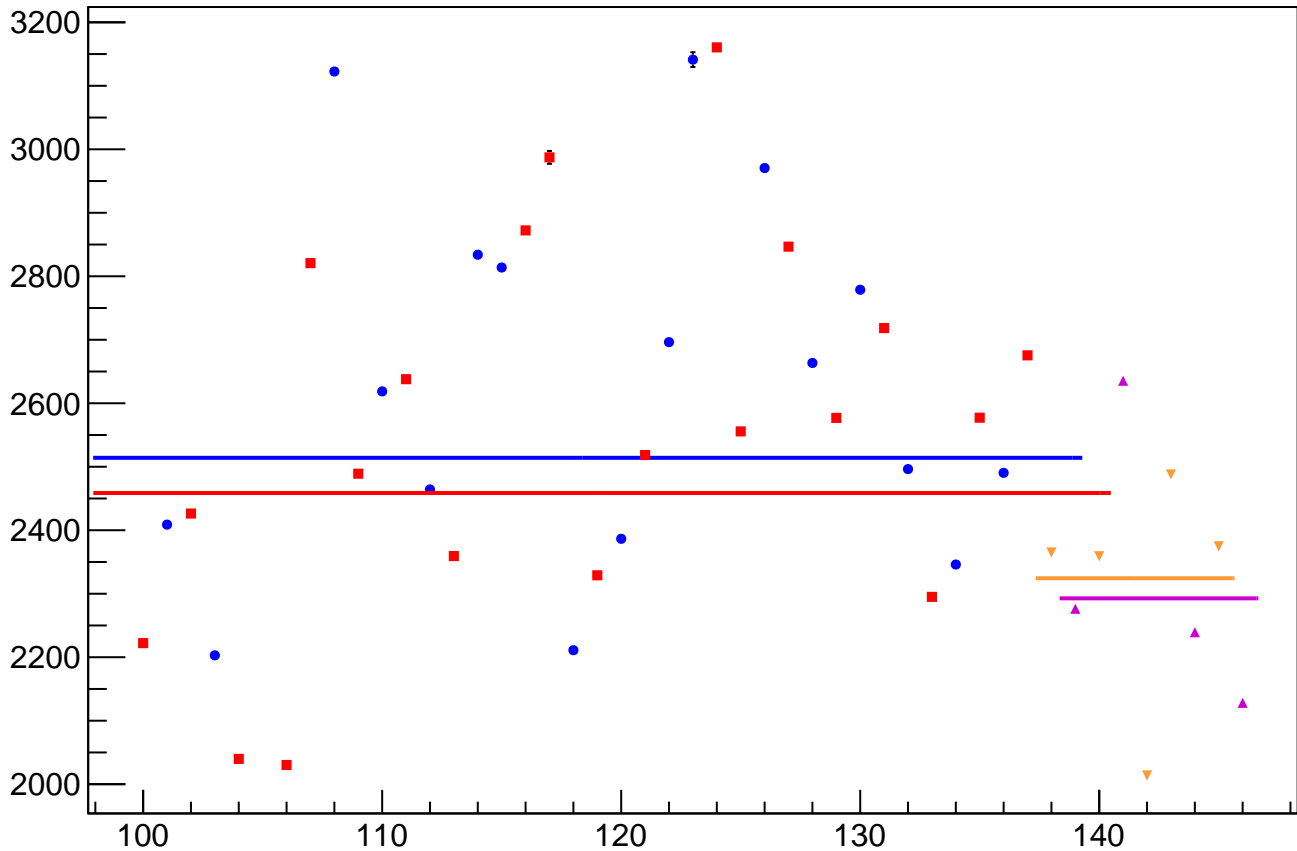
Left Out: -9.640 ± 1.280 $\chi^2/\text{NDF}: 3.3/4$

Right Out: -23.280 ± 0.925 $\chi^2/\text{NDF}: 558.2/19$

-9.162 ± 0.752 $\chi^2/\text{NDF}: 1255.9/23$

Left In: 18.406 ± 1.293 $\chi^2/\text{NDF}: 9.9/3$

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

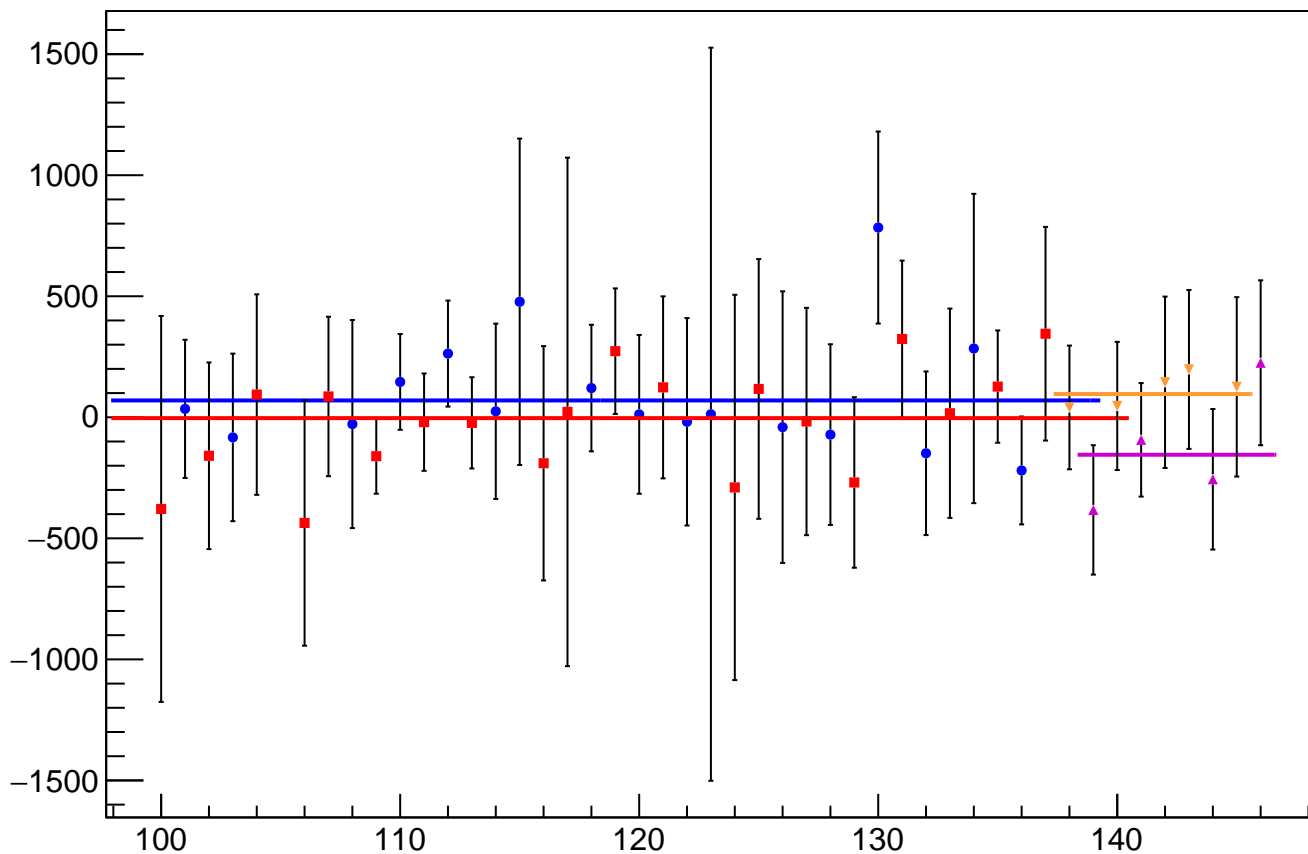
Right Out: 2458.665+/-0.654 χ^2 /NDF: 152458.1/19

Left In: 2292.715+/-0.914 χ^2 /NDF: 38619.2/3

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

2402.462+/-0.532 χ^2 /NDF: 212875.5/23

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



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

Left Out: 96.016+/-135.911 χ^2/NDF : 0.2/4

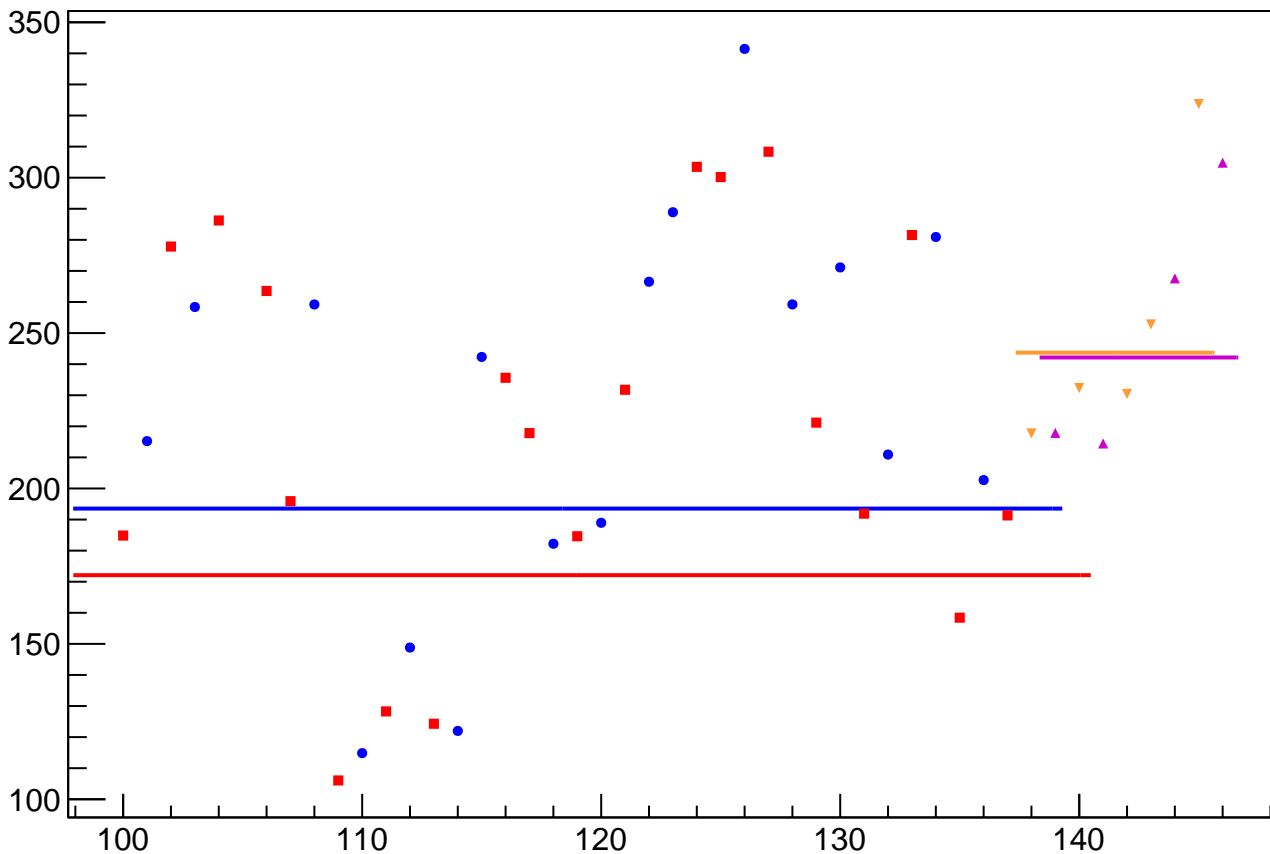
Right Out: -3.448+/-69.825 χ^2/NDF : 6.4/19

Left In: -154.628+/-137.788 χ^2/NDF : 2.2/3

76.264+/-68.315 χ^2/NDF : 7.6/21

-34.338+/-62.284 χ^2/NDF : 9.5/23

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

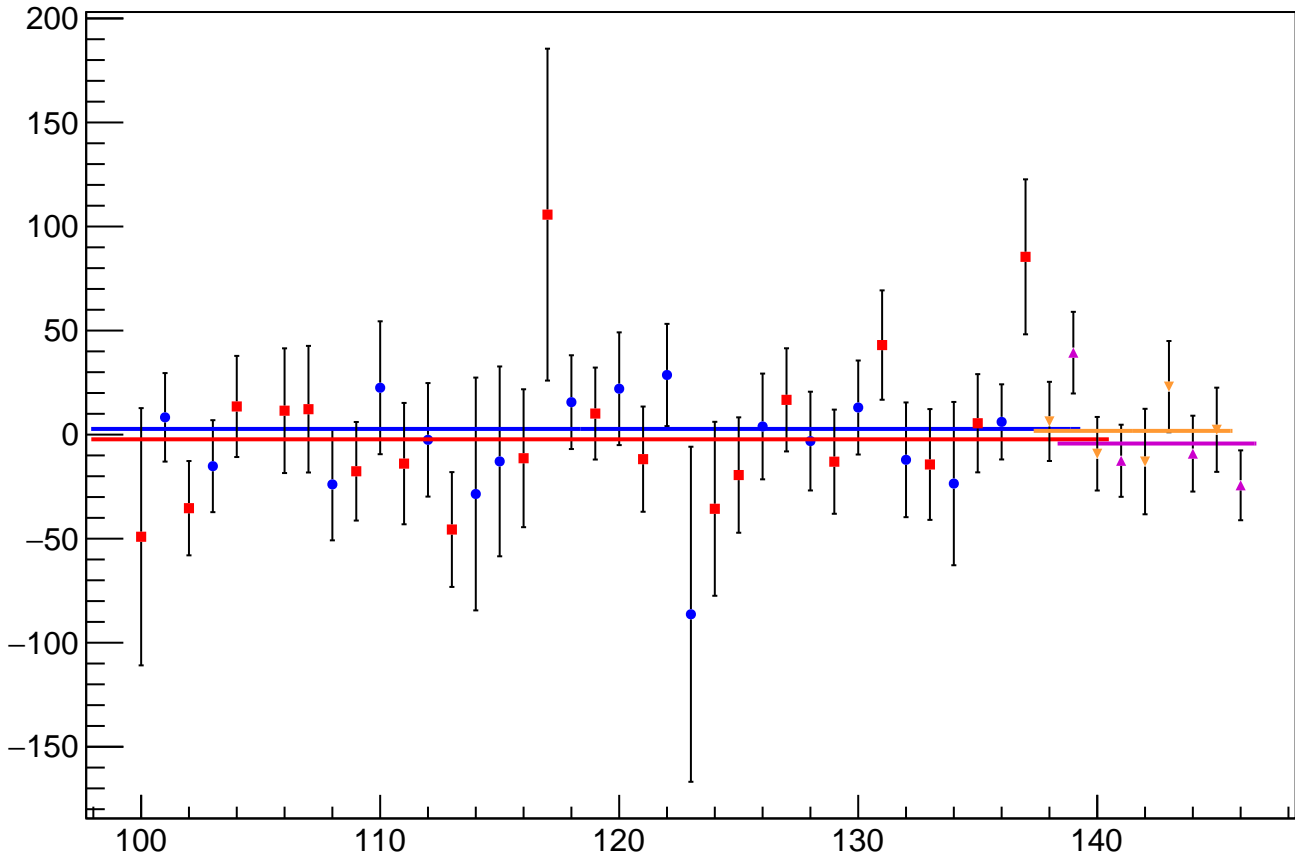
Right Out: 172.104+/-0.049 χ^2/NDF : 1580690.9/19

Left In: 242.149+/-0.097 χ^2/NDF : 127463.0/3

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

186.416+/-0.044 χ^2/NDF : 2119398.6/23

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



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

Left Out: 1.797 +/- 9.112 χ^2/NDF : 1.7/4

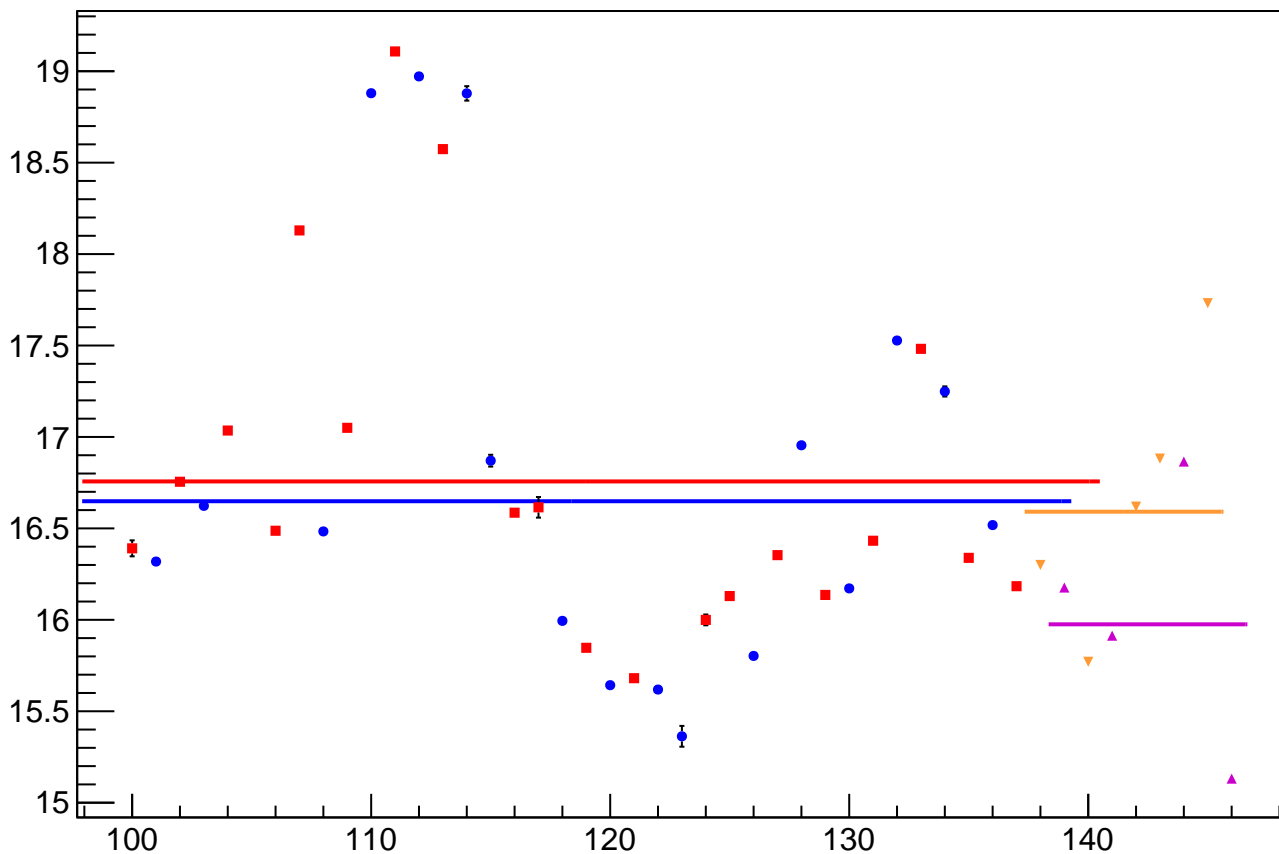
Right Out: -2.259 +/- 6.259 χ^2/NDF : 19.6/19

Left In: -4.282 +/- 8.949 χ^2/NDF : 6.7/3

2.423 +/- 5.251 χ^2/NDF : 8.5/21

-2.923 +/- 5.129 χ^2/NDF : 26.3/23

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



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

Left Out: 16.591 \pm 0.006 χ^2 /NDF: 11485.7/4

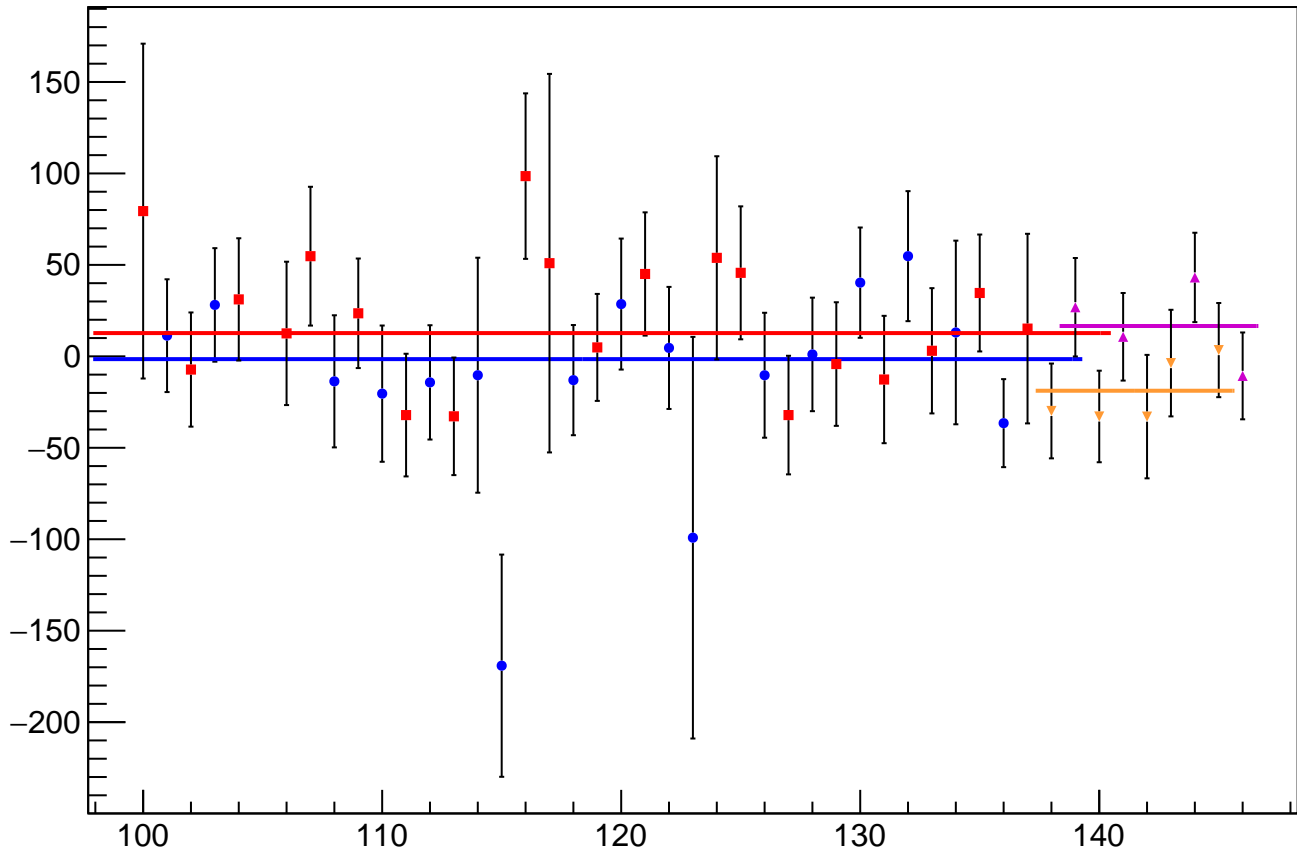
Right Out: 16.757 \pm 0.004 χ^2 /NDF: 39957.1/19

Left In: 15.975 \pm 0.006 χ^2 /NDF: 10055.2/3

16.630 \pm 0.004 χ^2 /NDF: 54105.3/21

16.500 \pm 0.004 χ^2 /NDF: 60251.1/23

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 $\chi^2/\text{NDF}: 1.7/4$

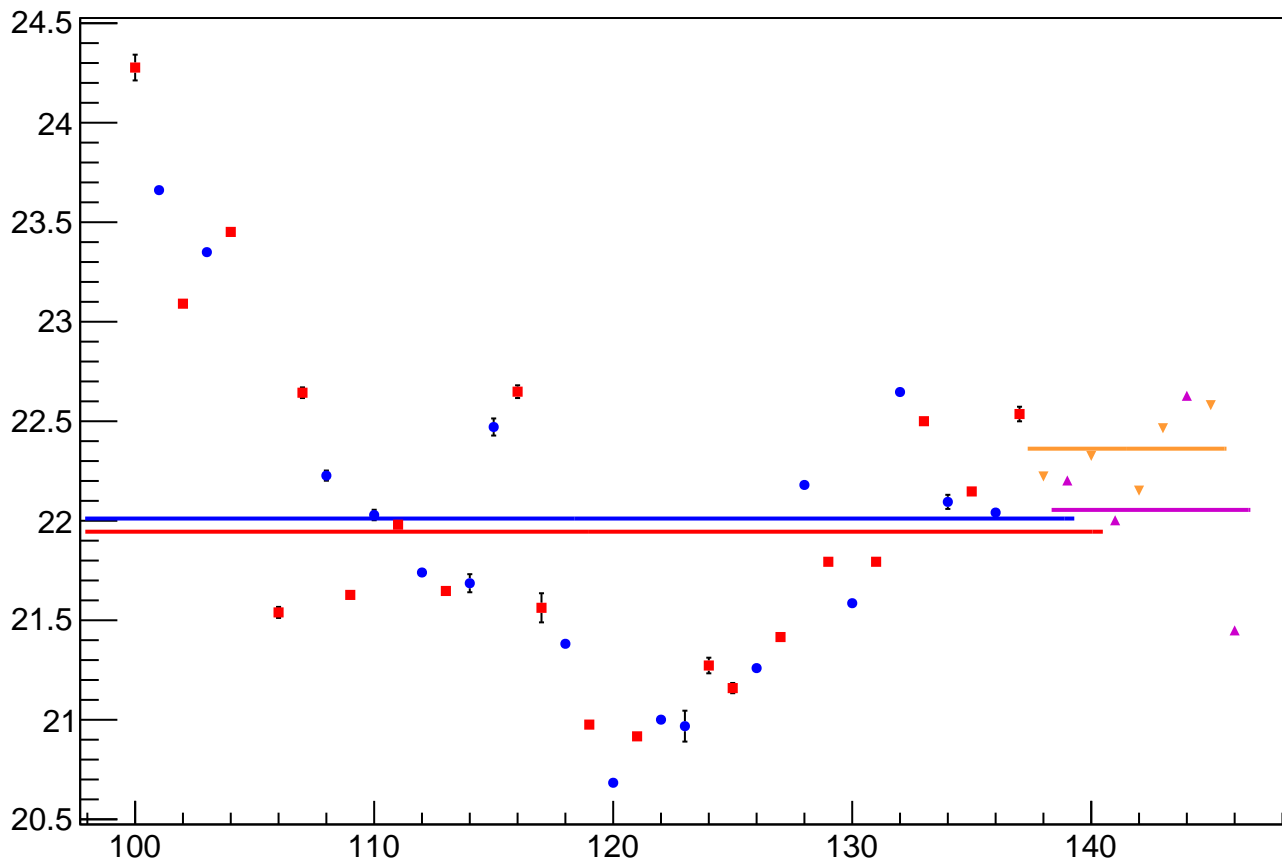
Right Out: 12.716 ± 8.185 $\chi^2/\text{NDF}: 15.7/19$

Left In: 16.585 ± 12.333 $\chi^2/\text{NDF}: 2.7/3$

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

13.899 ± 6.820 $\chi^2/\text{NDF}: 18.5/23$

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 22.011 ± 0.006 $\chi^2/\text{NDF}: 17546.9/16$

Left Out: 22.362 ± 0.009 $\chi^2/\text{NDF}: 309.2/4$

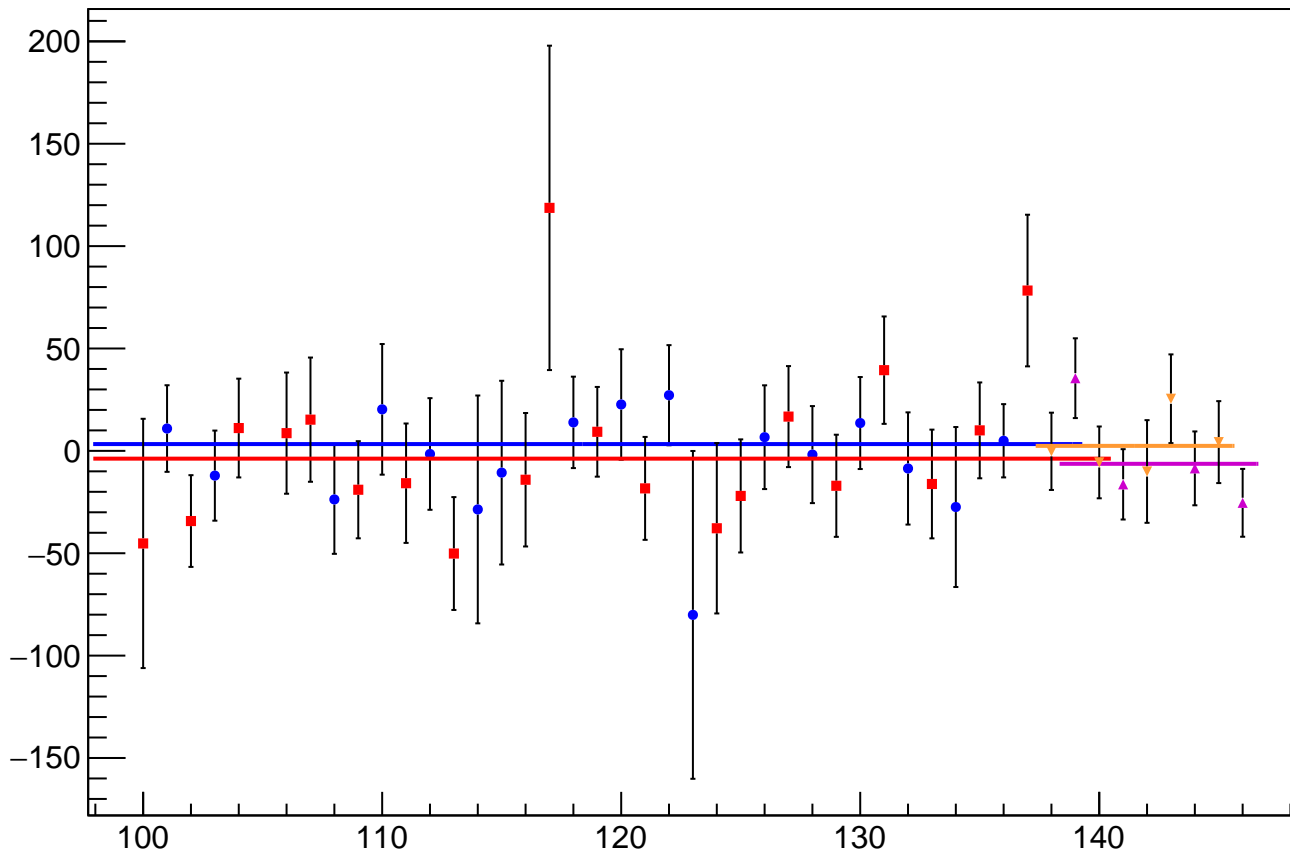
Right Out: 21.945 ± 0.006 $\chi^2/\text{NDF}: 16620.2/19$

Left In: 22.055 ± 0.009 $\chi^2/\text{NDF}: 2471.5/3$

22.125 ± 0.005 $\chi^2/\text{NDF}: 18964.0/21$

21.979 ± 0.005 $\chi^2/\text{NDF}: 19201.3/23$

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.317 ± 6.388 $\chi^2/\text{NDF}: 6.3/16$

Left Out: 2.438 ± 9.025 $\chi^2/\text{NDF}: 1.6/4$

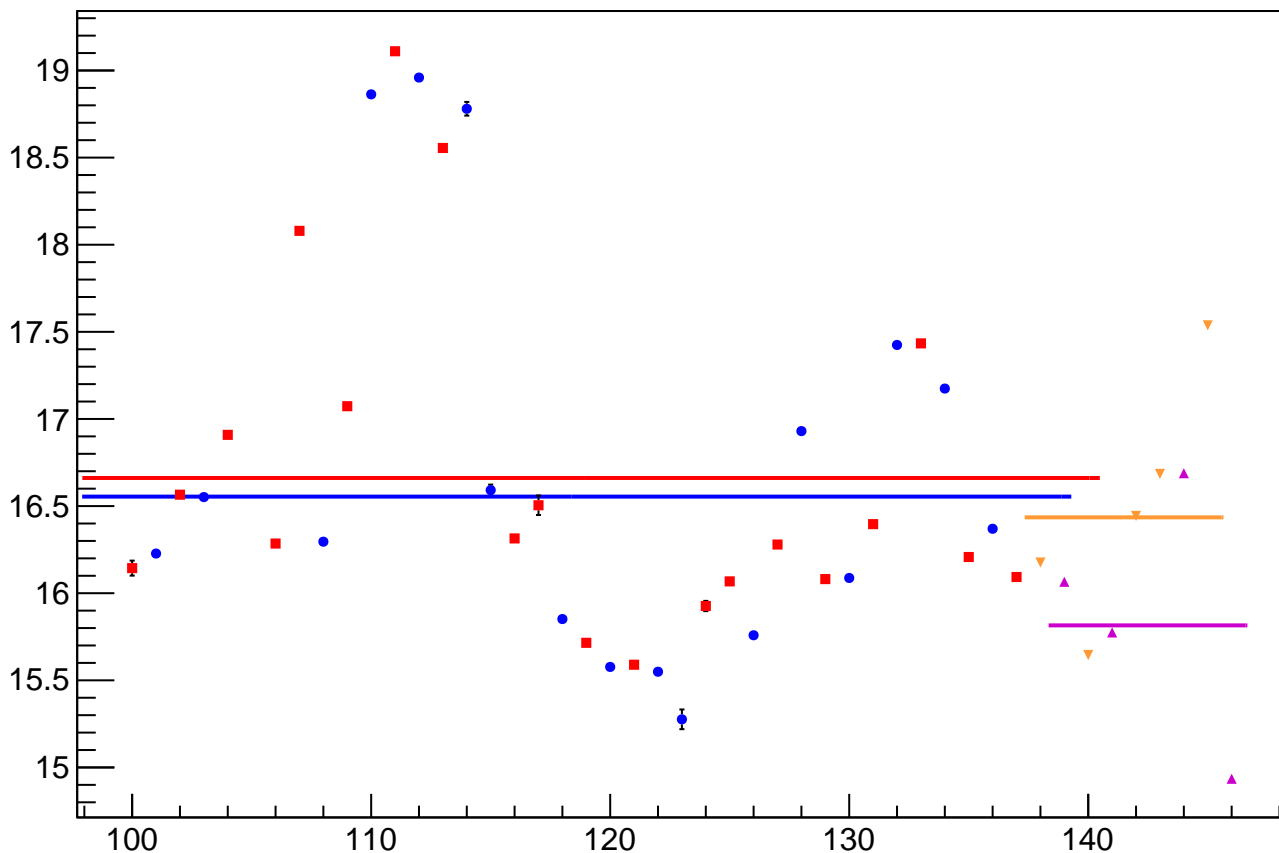
Right Out: -3.800 ± 6.224 $\chi^2/\text{NDF}: 20.1/19$

Left In: -6.327 ± 8.860 $\chi^2/\text{NDF}: 6.3/3$

3.023 ± 5.214 $\chi^2/\text{NDF}: 7.9/21$

-4.635 ± 5.093 $\chi^2/\text{NDF}: 26.5/23$

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



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

Left Out: 16.435+/-0.006 χ^2 /NDF:10766.4/4

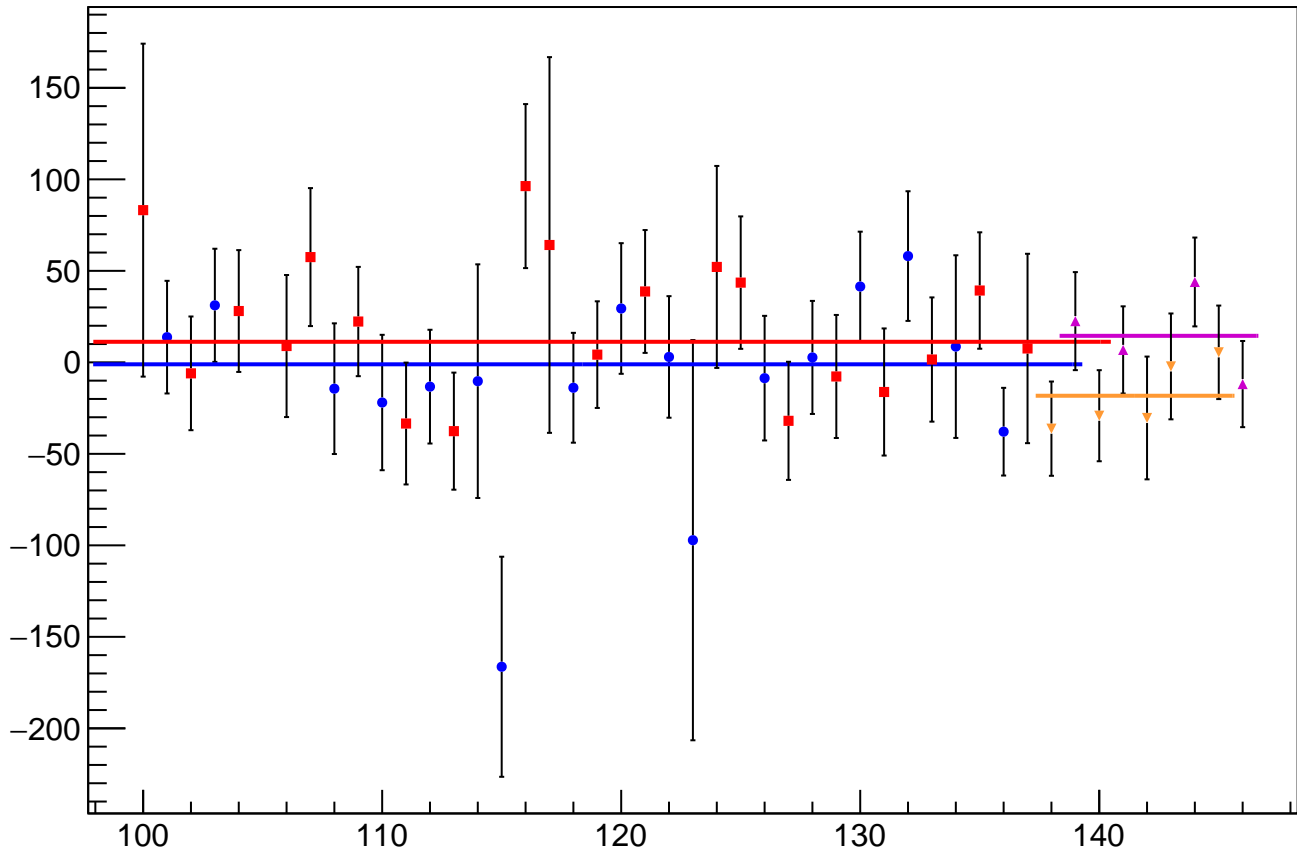
Right Out: 16.661+/-0.004 χ^2 /NDF: 43071.4/19

Left In: 15.815+/-0.006 χ^2 /NDF:10674.2/3

16.515+/-0.004 χ^2 /NDF: 55473.4/21

16.382+/-0.004 χ^2 /NDF: 65954.8/23

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.068 ± 8.444 $\chi^2/\text{NDF}: 18.5/16$

-6.645 ± 6.940 $\chi^2/\text{NDF}: 21.8/21$

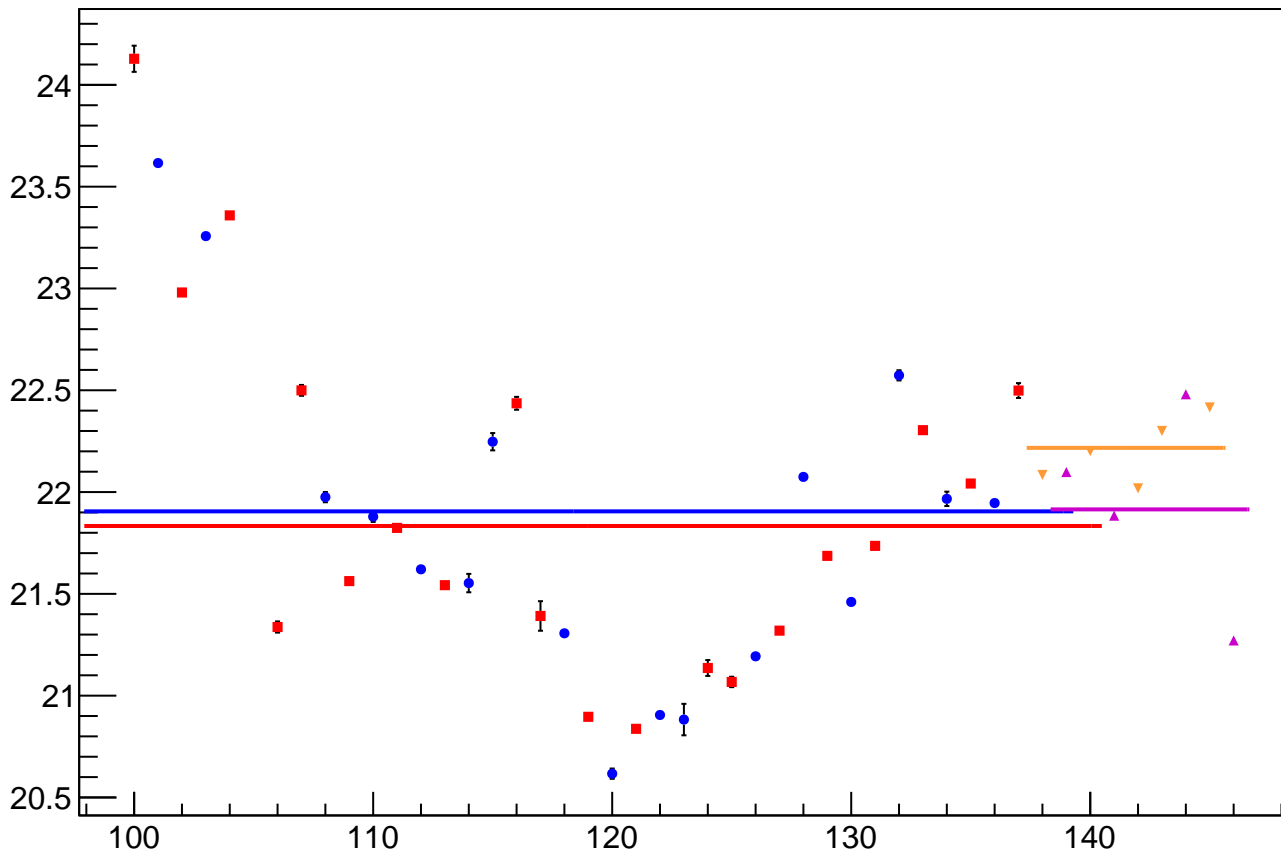
Left Out: -18.252 ± 12.183 $\chi^2/\text{NDF}: 2.0/4$

12.234 ± 6.782 $\chi^2/\text{NDF}: 19.5/23$

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

Left In: 14.496 ± 12.255 $\chi^2/\text{NDF}: 2.9/3$

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



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

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

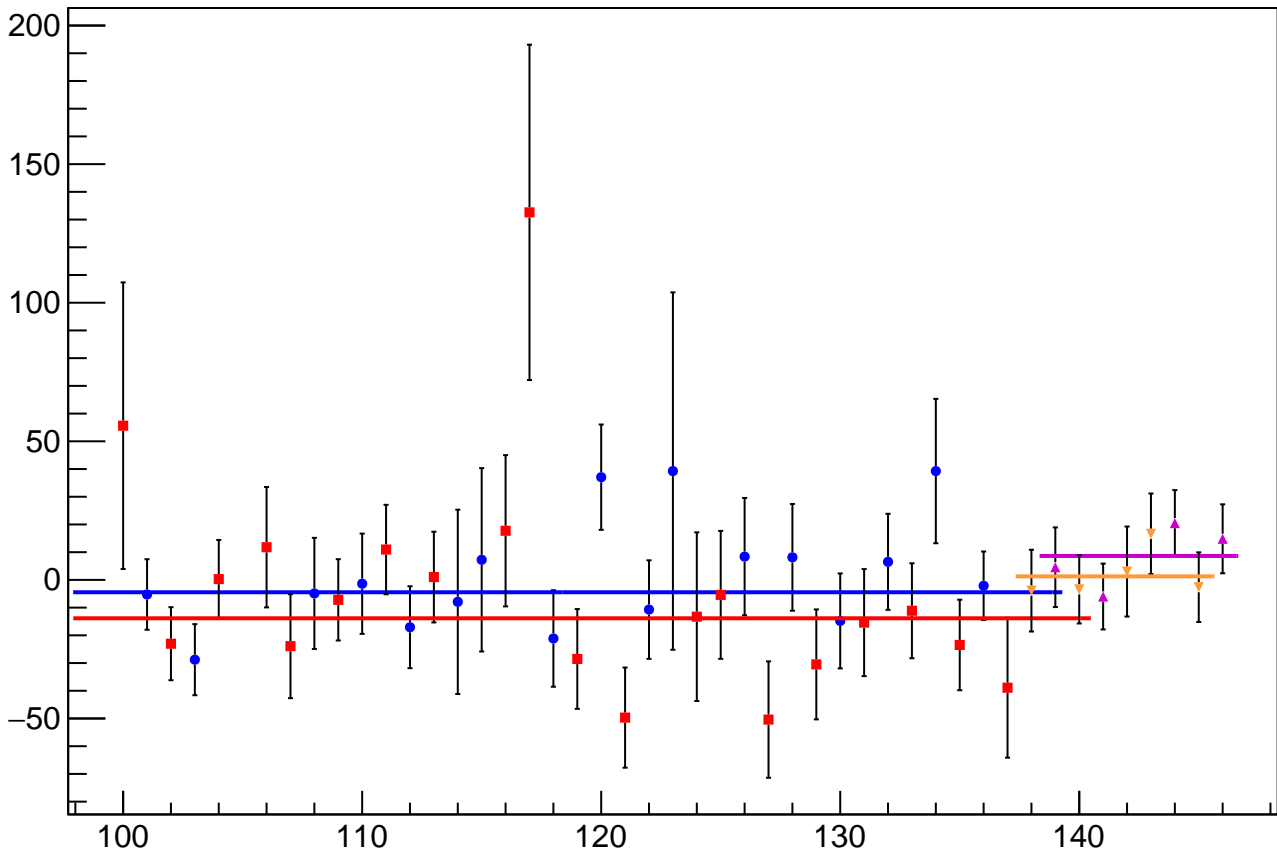
Right Out: 21.833 \pm 0.006 χ^2 /NDF: 16288.5/19

Left In: 21.915 \pm 0.009 χ^2 /NDF:2677.9/3

22.006 \pm 0.005 χ^2 /NDF: 18942.0/21

21.858 \pm 0.005 χ^2 /NDF: 19027.7/23

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.461 ± 4.329 $\chi^2/\text{NDF}: 15.2/16$

-2.577 ± 3.548 $\chi^2/\text{NDF}: 17.3/21$

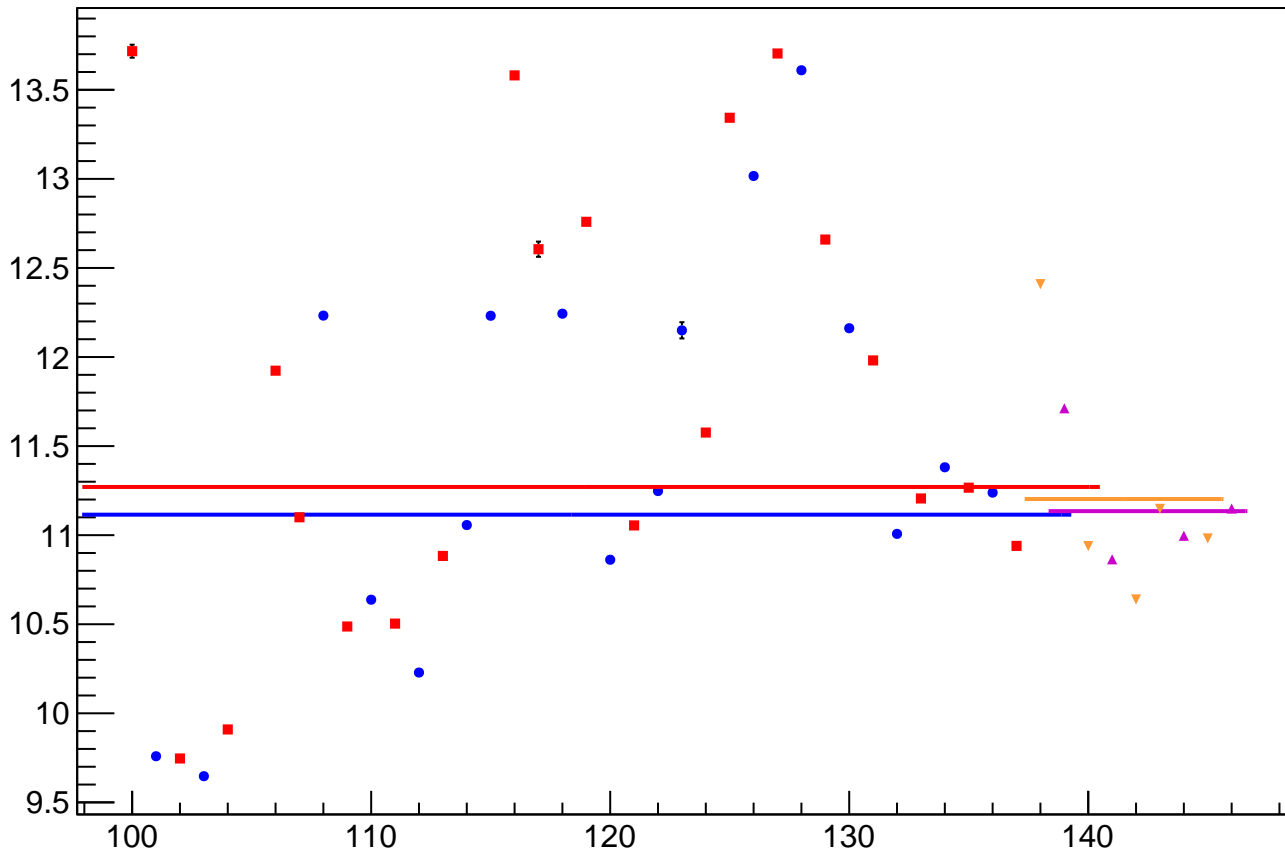
Left Out: 1.280 ± 6.194 $\chi^2/\text{NDF}: 1.5/4$

Right Out: -13.851 ± 4.253 $\chi^2/\text{NDF}: 25.4/19$

-6.762 ± 3.520 $\chi^2/\text{NDF}: 37.0/23$

Left In: 8.635 ± 6.268 $\chi^2/\text{NDF}: 2.8/3$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.115+/-0.003 χ^2 /NDF: 133059.3/16

Left Out: 11.203+/-0.004 χ^2 /NDF:17359.7/4

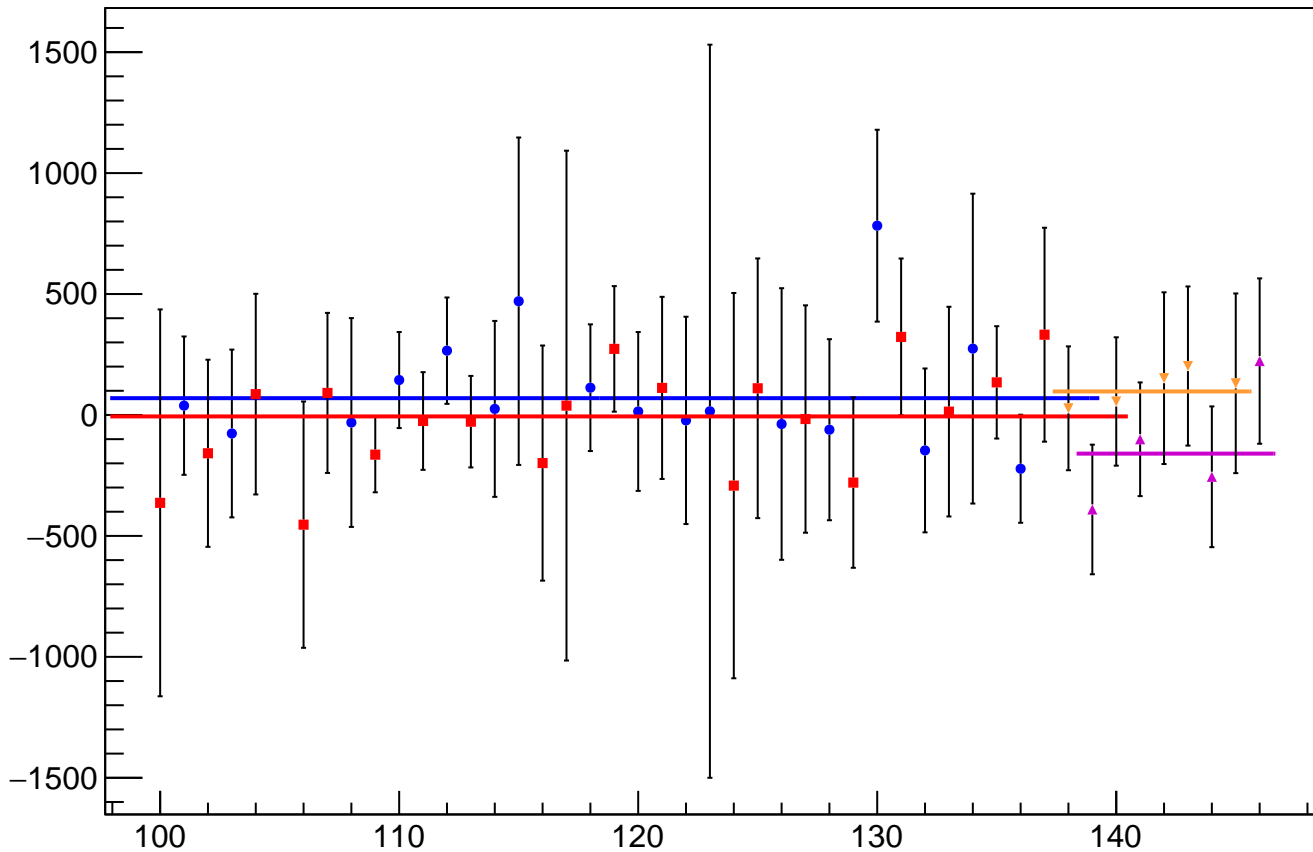
Right Out: 11.271+/-0.003 χ^2 /NDF: 148461.6/19

Left In: 11.135+/-0.004 χ^2 /NDF:4538.1/3

11.144+/-0.003 χ^2 /NDF: 150689.1/21

11.228+/-0.002 χ^2 /NDF: 153641.9/23

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 69.470 ± 79.231 $\chi^2/\text{NDF}: 7.3/16$

Left Out: 97.257 ± 136.236 $\chi^2/\text{NDF}: 0.2/4$

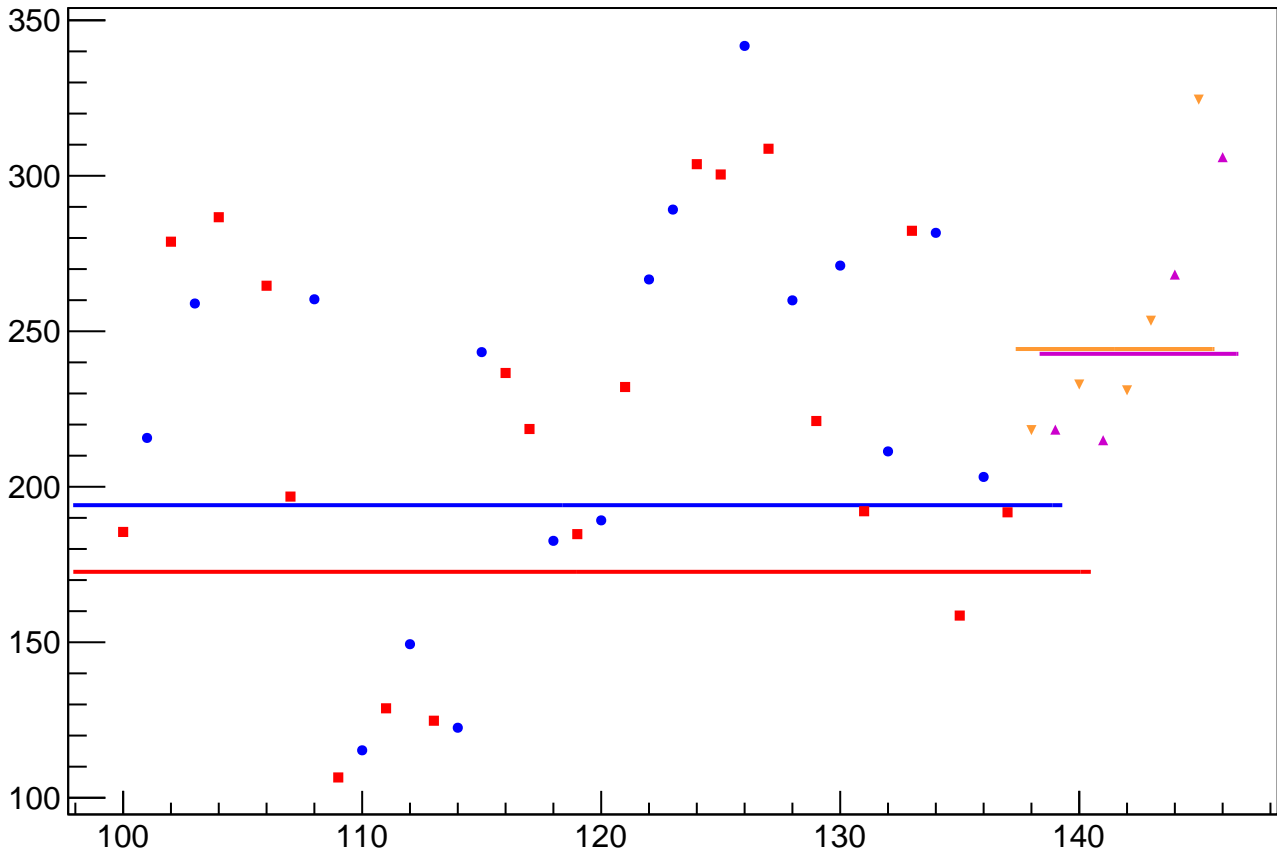
Right Out: -5.996 ± 70.027 $\chi^2/\text{NDF}: 6.5/19$

Left In: -159.763 ± 138.139 $\chi^2/\text{NDF}: 2.2/3$

76.493 ± 68.491 $\chi^2/\text{NDF}: 7.5/21$

-37.433 ± 62.460 $\chi^2/\text{NDF}: 9.6/23$

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



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

Left Out: 244.298 \pm 0.096 χ^2 /NDF: 121996.9/4

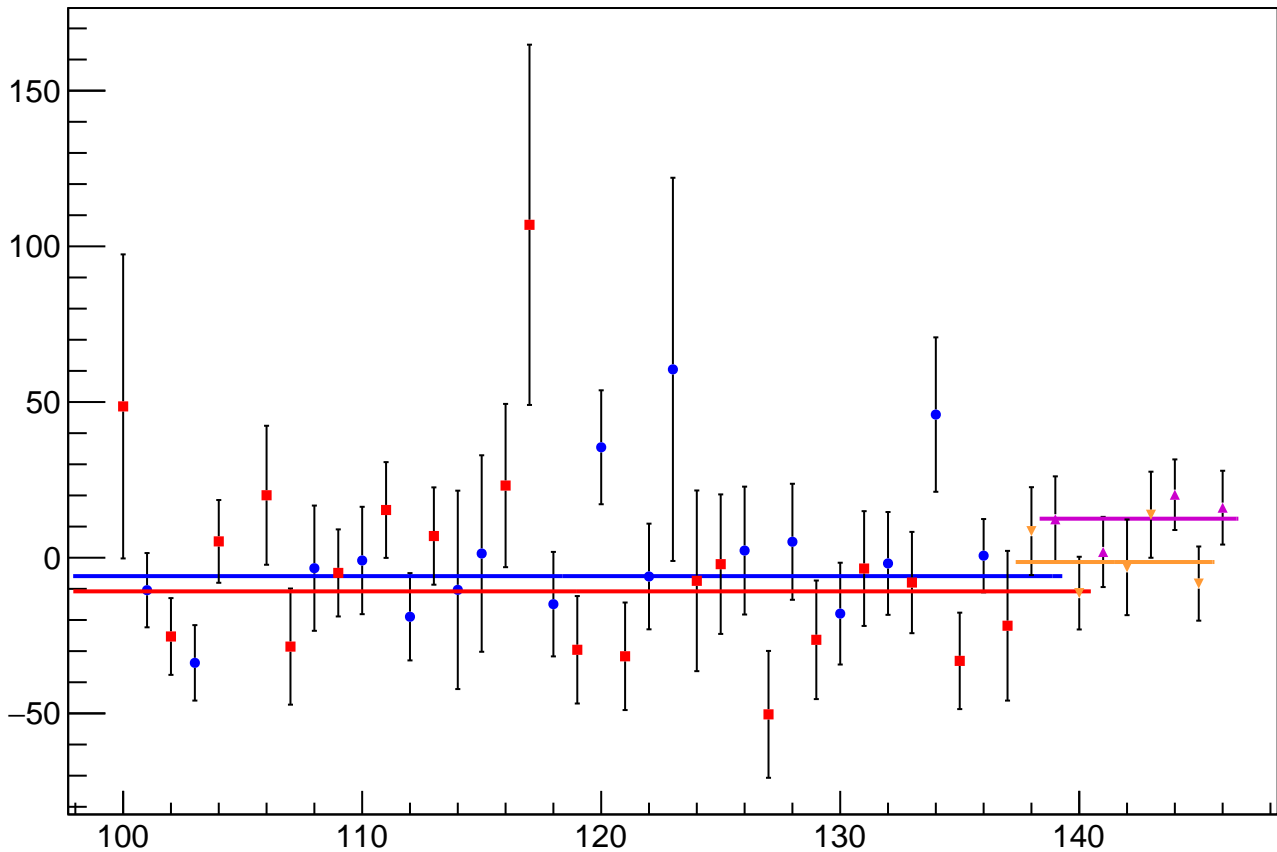
Right Out: 172.655 \pm 0.050 χ^2 /NDF: 1573277.0/19

Left In: 242.748 \pm 0.098 χ^2 /NDF: 128264.5/3

206.773 \pm 0.048 χ^2 /NDF: 1330443.8/21

186.985 \pm 0.044 χ^2 /NDF: 2111193.6/23

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



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

Left Out: -1.381 ± 5.885 $\chi^2/\text{NDF}: 2.8/4$

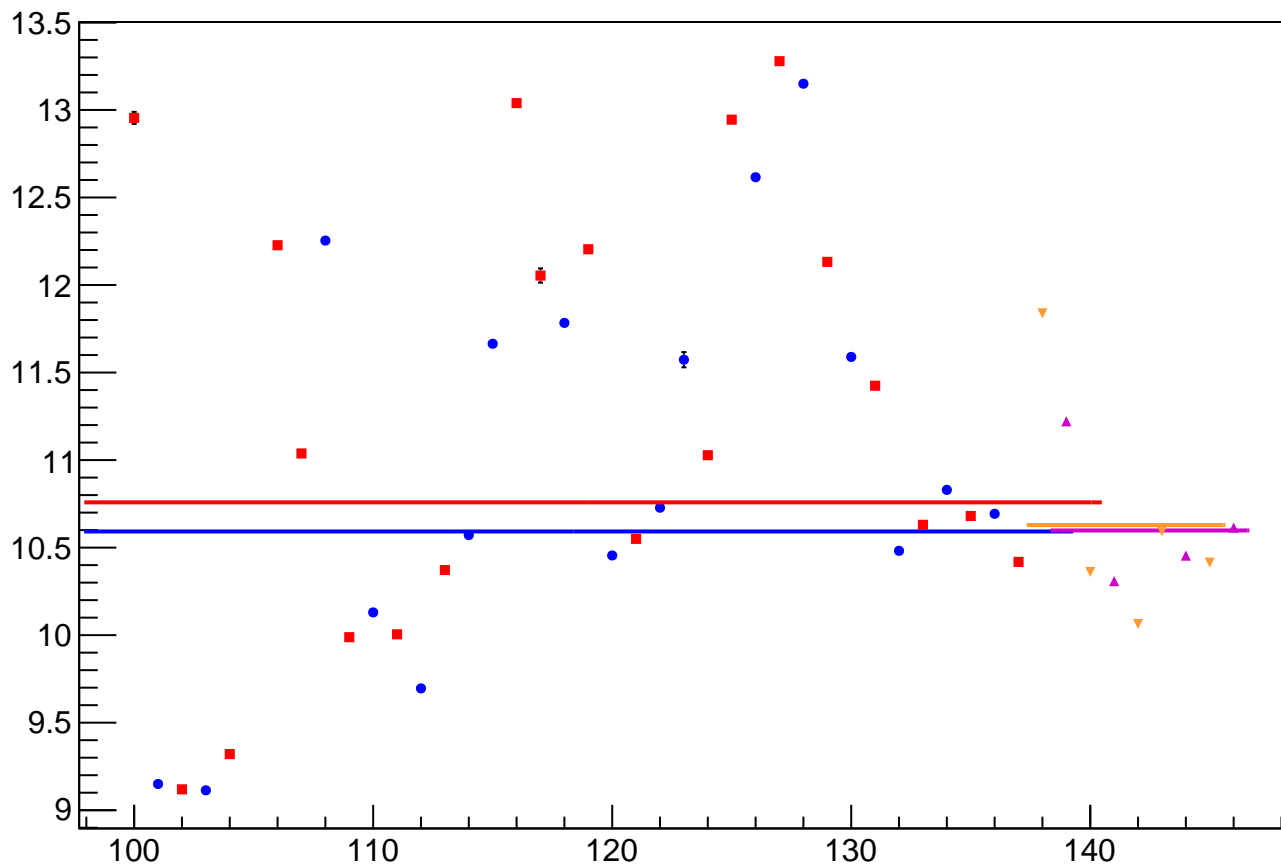
Right Out: -10.806 ± 4.068 $\chi^2/\text{NDF}: 27.0/19$

Left In: 12.533 ± 5.973 $\chi^2/\text{NDF}: 1.4/3$

-4.416 ± 3.382 $\chi^2/\text{NDF}: 22.0/21$

-3.410 ± 3.363 $\chi^2/\text{NDF}: 38.9/23$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



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

Left Out: 10.629 \pm 0.004 χ^2 /NDF:19110.9/4

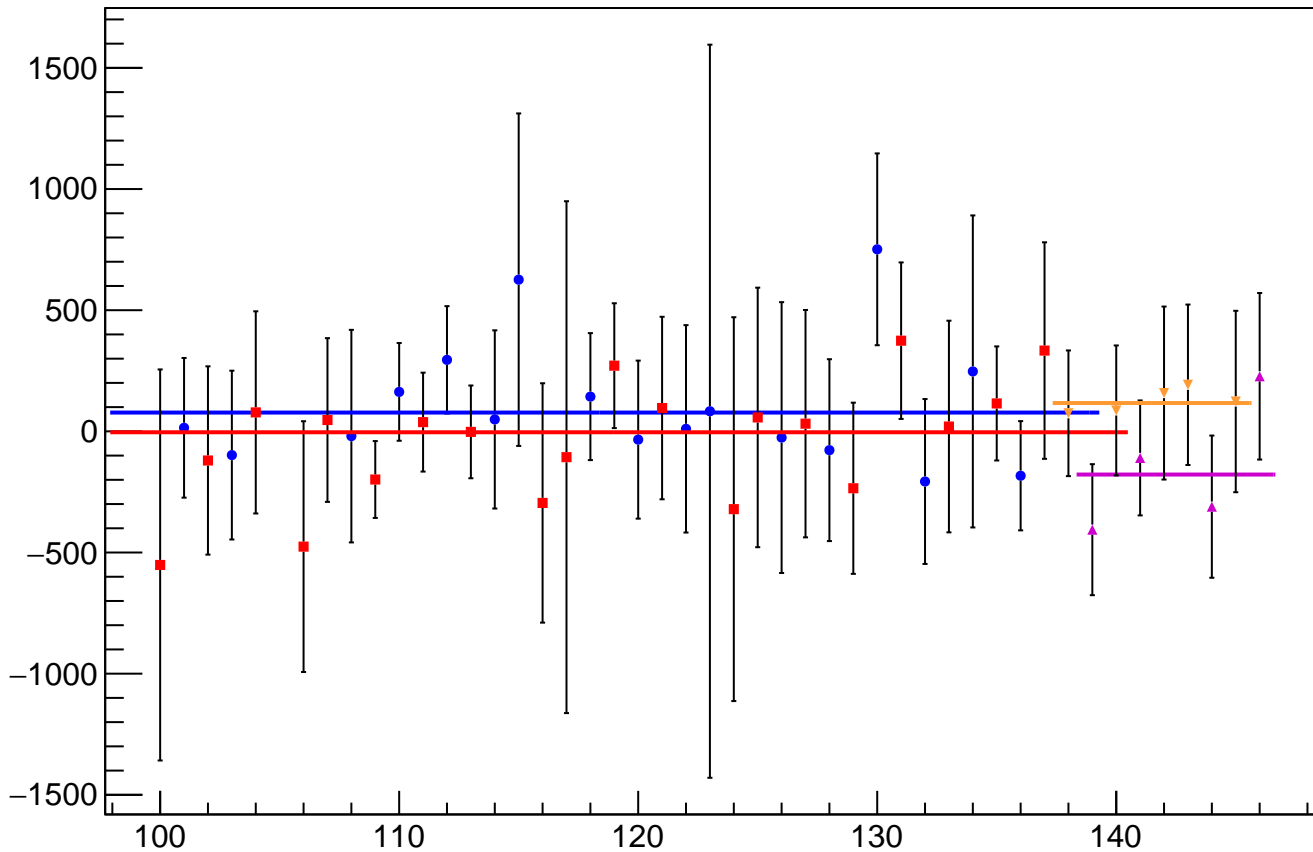
Right Out: 10.758 \pm 0.003 χ^2 /NDF: 177903.3/19

Left In: 10.598 \pm 0.004 χ^2 /NDF:5732.9/3

10.604 \pm 0.002 χ^2 /NDF: 179561.7/21

10.708 \pm 0.002 χ^2 /NDF: 184622.2/23

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 77.589+/-79.751 χ^2/NDF : 7.6/16

Left Out: 116.935+/-137.511 χ^2/NDF : 0.1/4

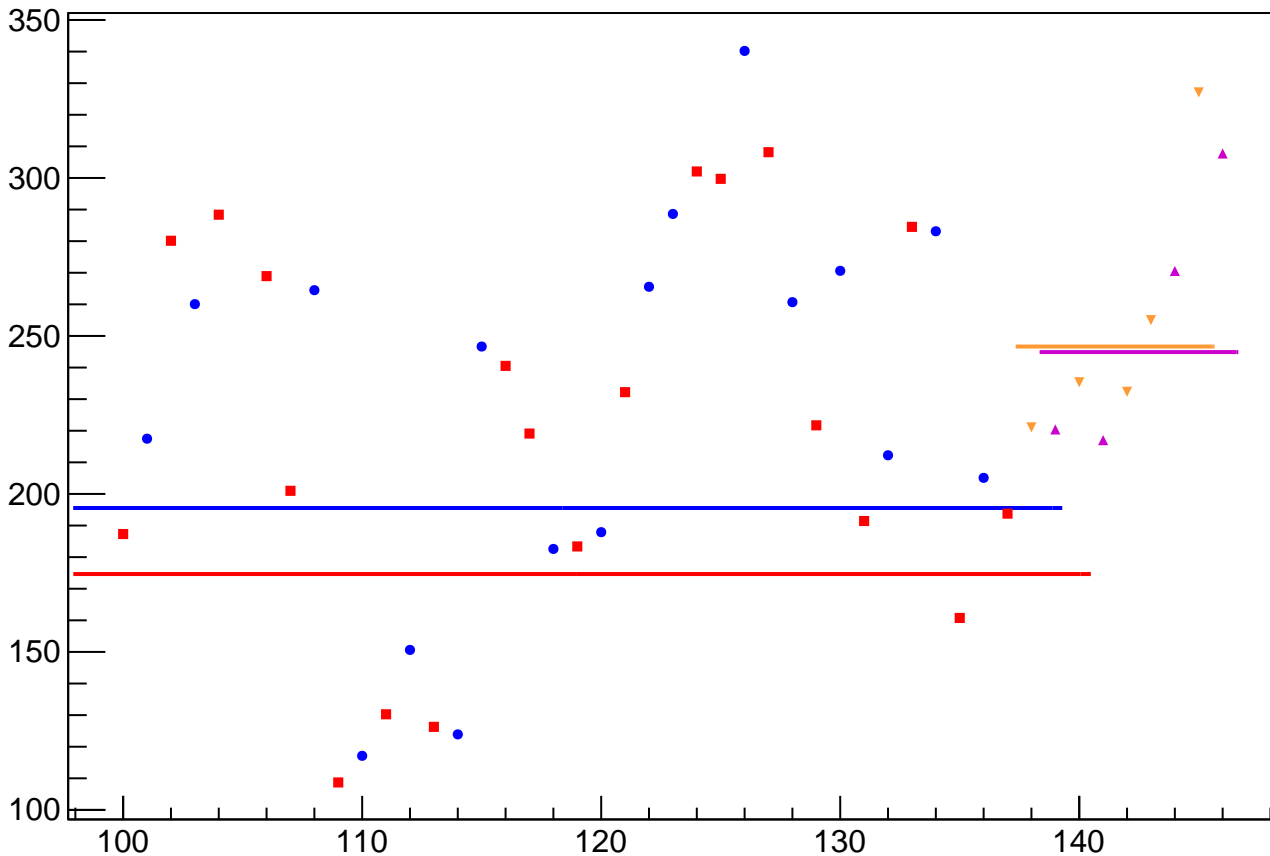
Right Out: -3.768+/-70.696 χ^2/NDF : 7.4/19

Left In: -178.247+/-139.317 χ^2/NDF : 2.4/3

87.492+/-68.988 χ^2/NDF : 7.7/21

-39.497+/-63.043 χ^2/NDF : 11.0/23

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.551 \pm 0.056 χ^2 /NDF: 979937.7/16

Left Out: 246.652 \pm 0.097 χ^2 /NDF: 119826.1/4

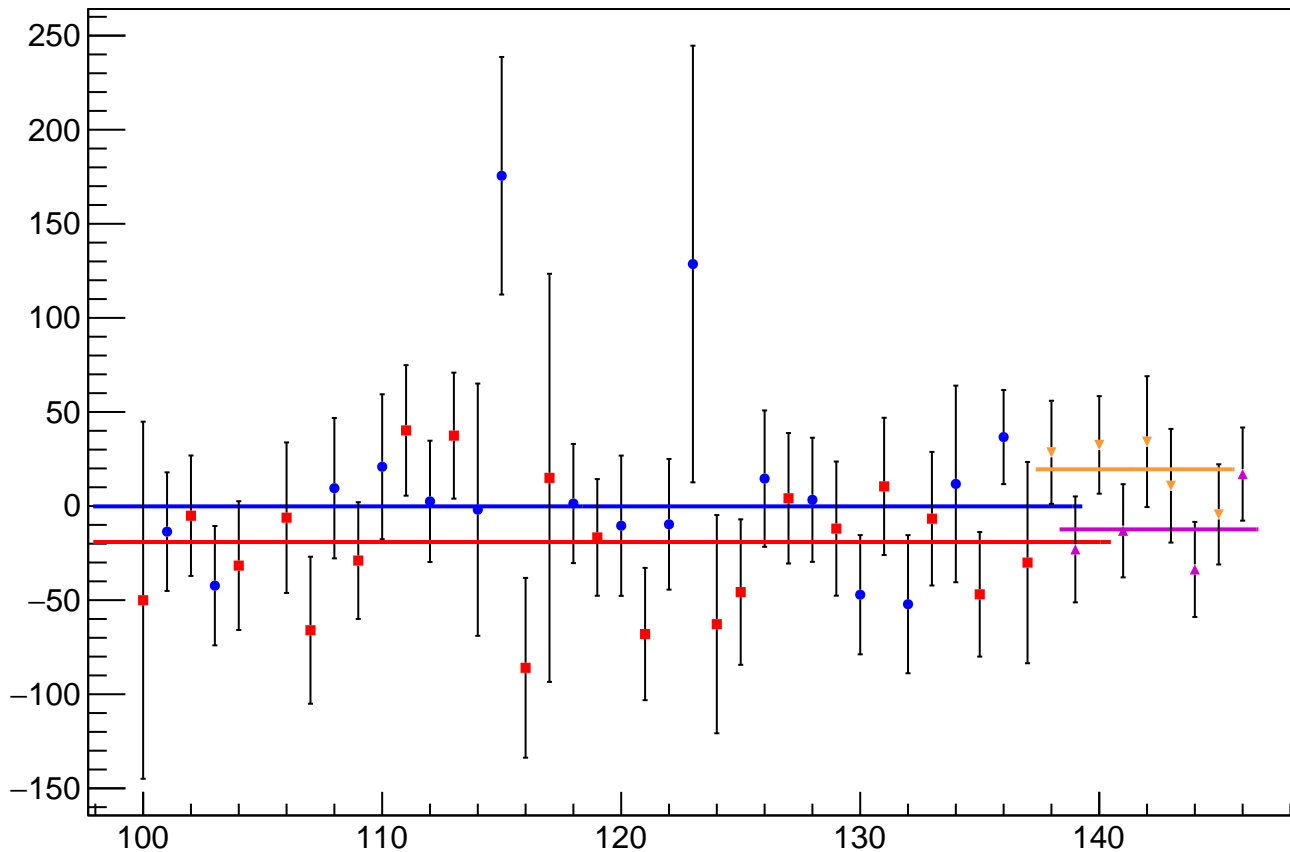
Right Out: 174.649 \pm 0.050 χ^2 /NDF: 1532189.1/19

Left In: 244.893 \pm 0.099 χ^2 /NDF: 126167.8/3

208.413 \pm 0.049 χ^2 /NDF: 1306437.8/21

189.033 \pm 0.045 χ^2 /NDF: 2062679.8/23

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -0.158 ± 8.826 $\chi^2/\text{NDF}: 18.1/16$

6.229 ± 7.256 $\chi^2/\text{NDF}: 21.1/21$

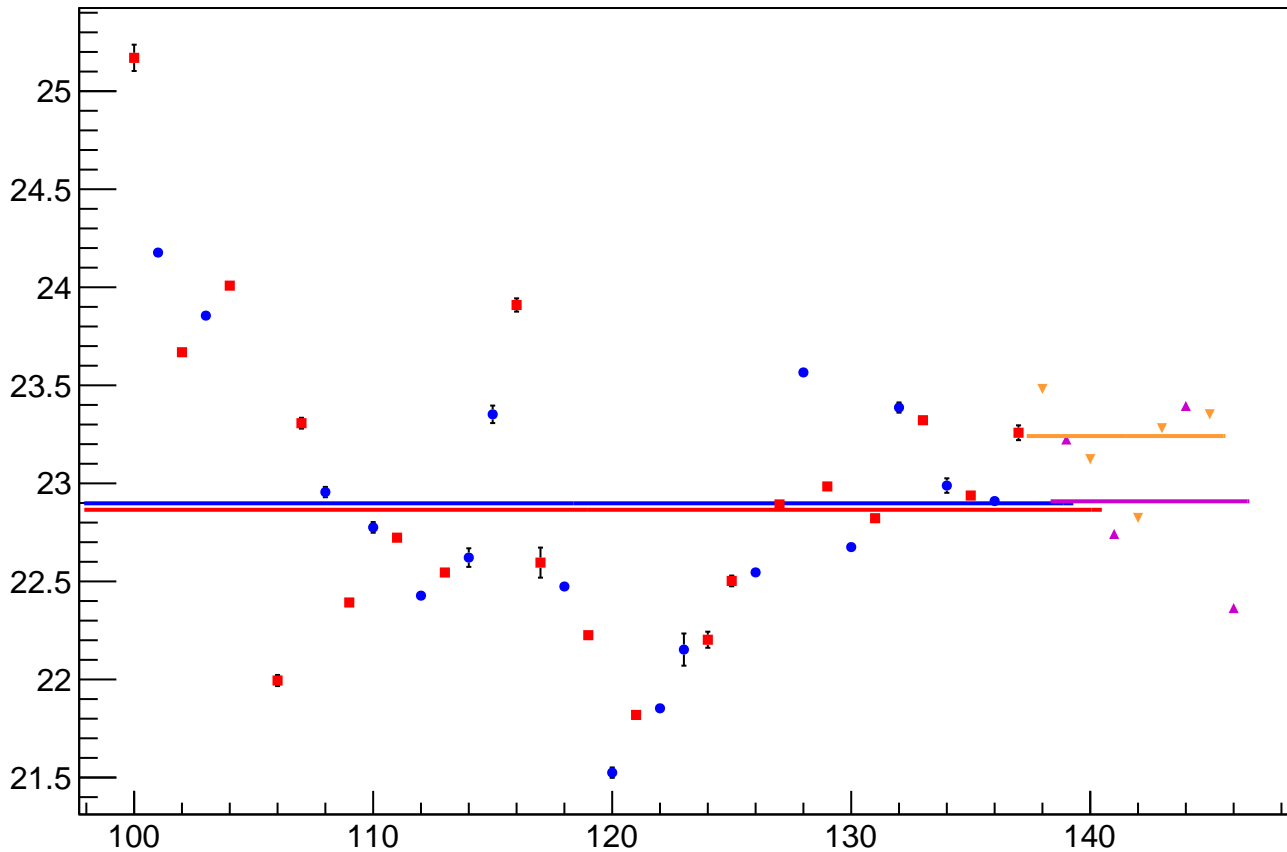
Left Out: 19.551 ± 12.746 $\chi^2/\text{NDF}: 1.4/4$

Right Out: -19.104 ± 8.527 $\chi^2/\text{NDF}: 14.9/19$

-17.044 ± 7.098 $\chi^2/\text{NDF}: 17.4/23$

Left In: -12.394 ± 12.811 $\chi^2/\text{NDF}: 2.3/3$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.898 ± 0.006 $\chi^2/\text{NDF}: 12143.3/16$

Left Out: 23.241 ± 0.009 $\chi^2/\text{NDF}: 521.5/4$

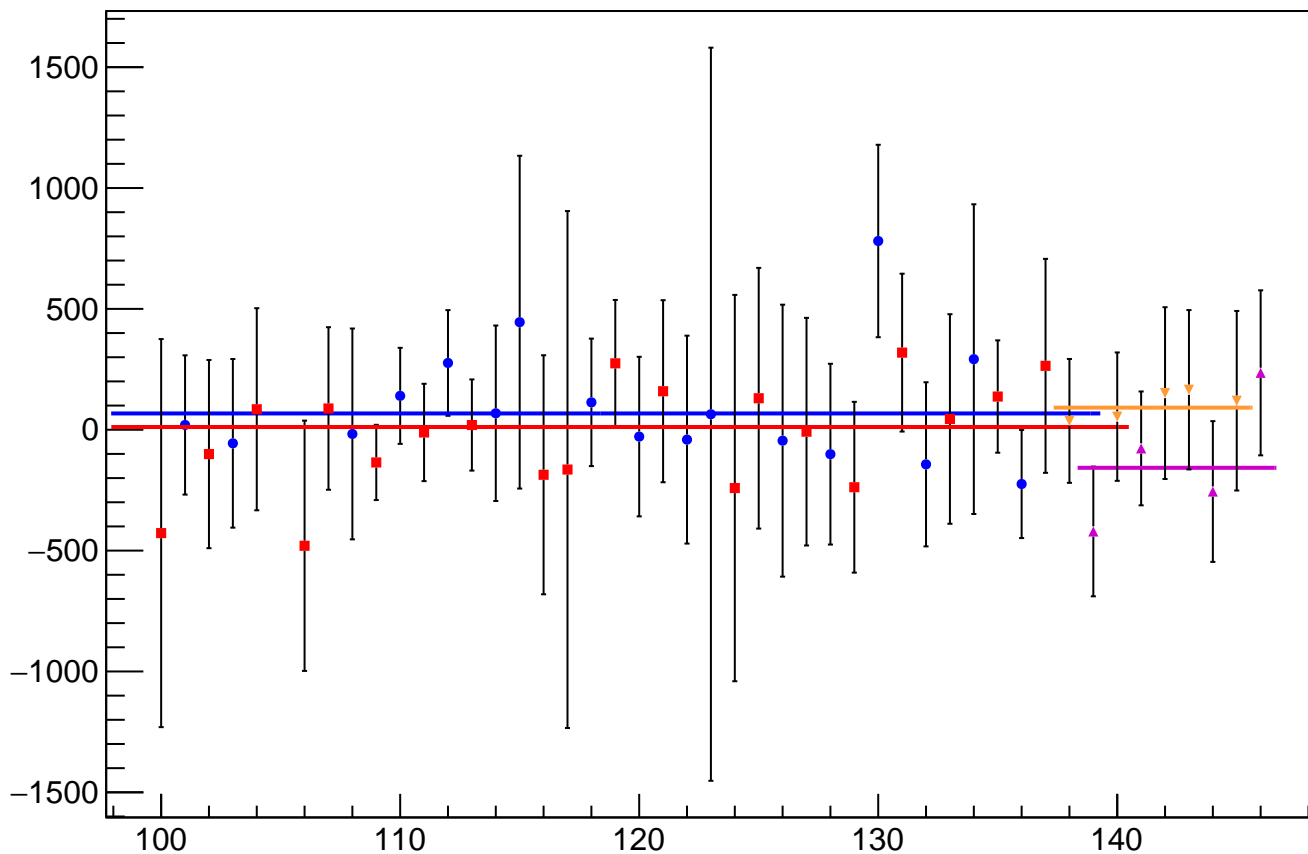
Right Out: 22.865 ± 0.006 $\chi^2/\text{NDF}: 11060.8/19$

Left In: 22.909 ± 0.009 $\chi^2/\text{NDF}: 2049.6/3$

23.009 ± 0.005 $\chi^2/\text{NDF}: 13643.4/21$

22.879 ± 0.005 $\chi^2/\text{NDF}: 13126.2/23$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.449 ± 79.404 $\chi^2/\text{NDF}: 7.4/16$

Left Out: 91.484 ± 136.348 $\chi^2/\text{NDF}: 0.2/4$

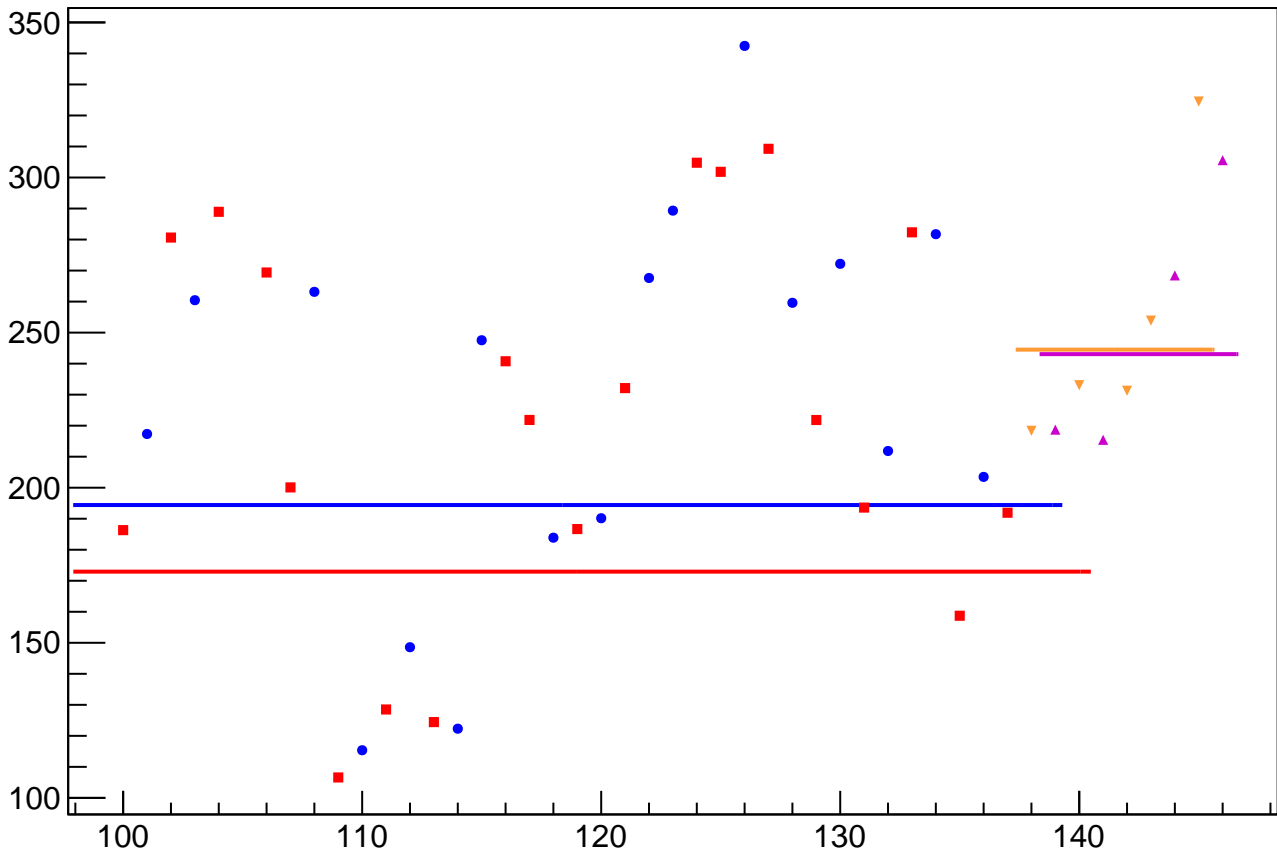
Right Out: 11.355 ± 70.203 $\chi^2/\text{NDF}: 5.8/19$

Left In: -157.386 ± 138.288 $\chi^2/\text{NDF}: 2.5/3$

73.536 ± 68.617 $\chi^2/\text{NDF}: 7.6/21$

-23.221 ± 62.599 $\chi^2/\text{NDF}: 9.5/23$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.411±/0.056 χ^2/NDF : 1019913.2/16

Left Out: 244.507±/0.096 χ^2/NDF :121723.2/4

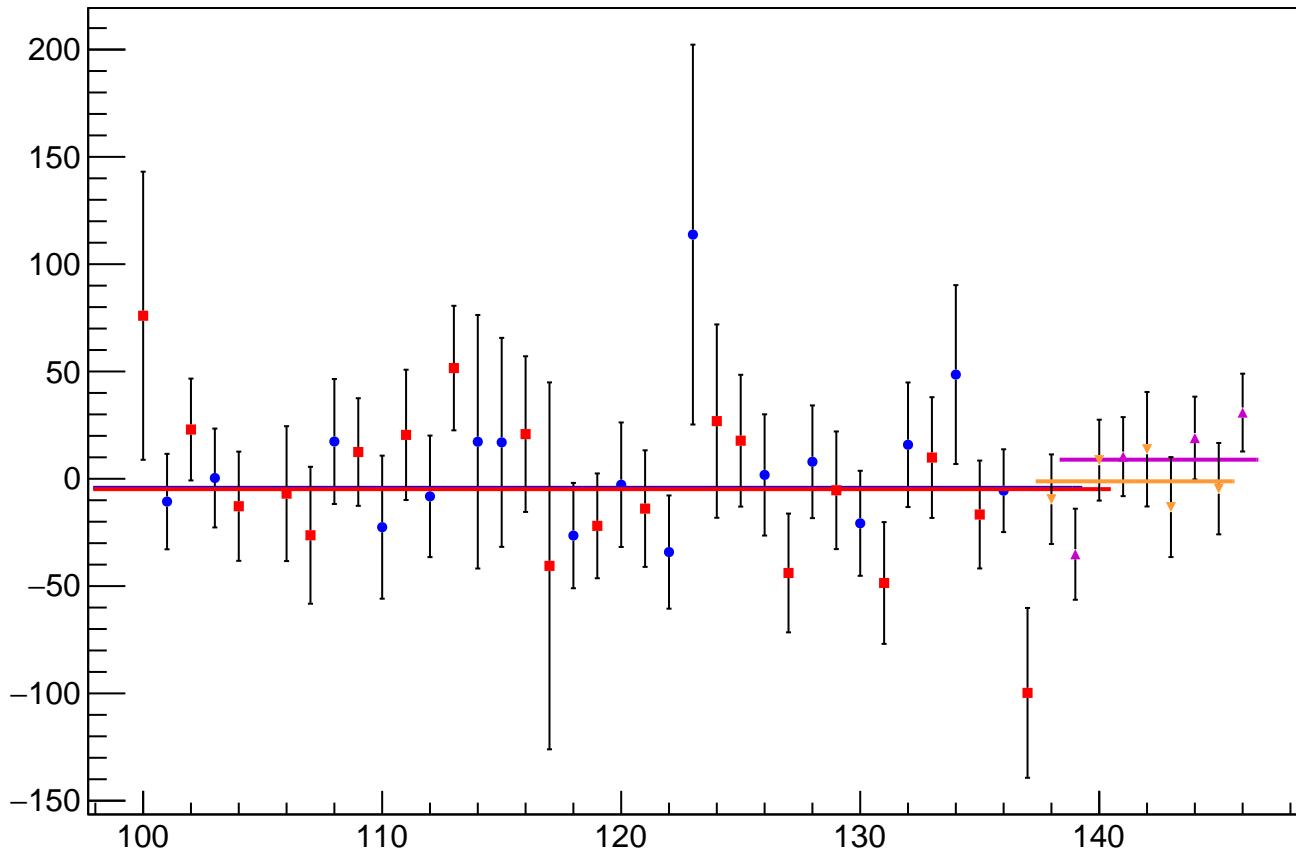
Right Out: 172.942±/0.050 χ^2/NDF : 1600959.1/19

Left In: 243.061±/0.098 χ^2/NDF :126268.3/3

207.098±/0.049 χ^2/NDF : 1343252.6/21

187.310±/0.044 χ^2/NDF : 2136058.8/23

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 $\chi^2/\text{NDF}: 1.0/4$

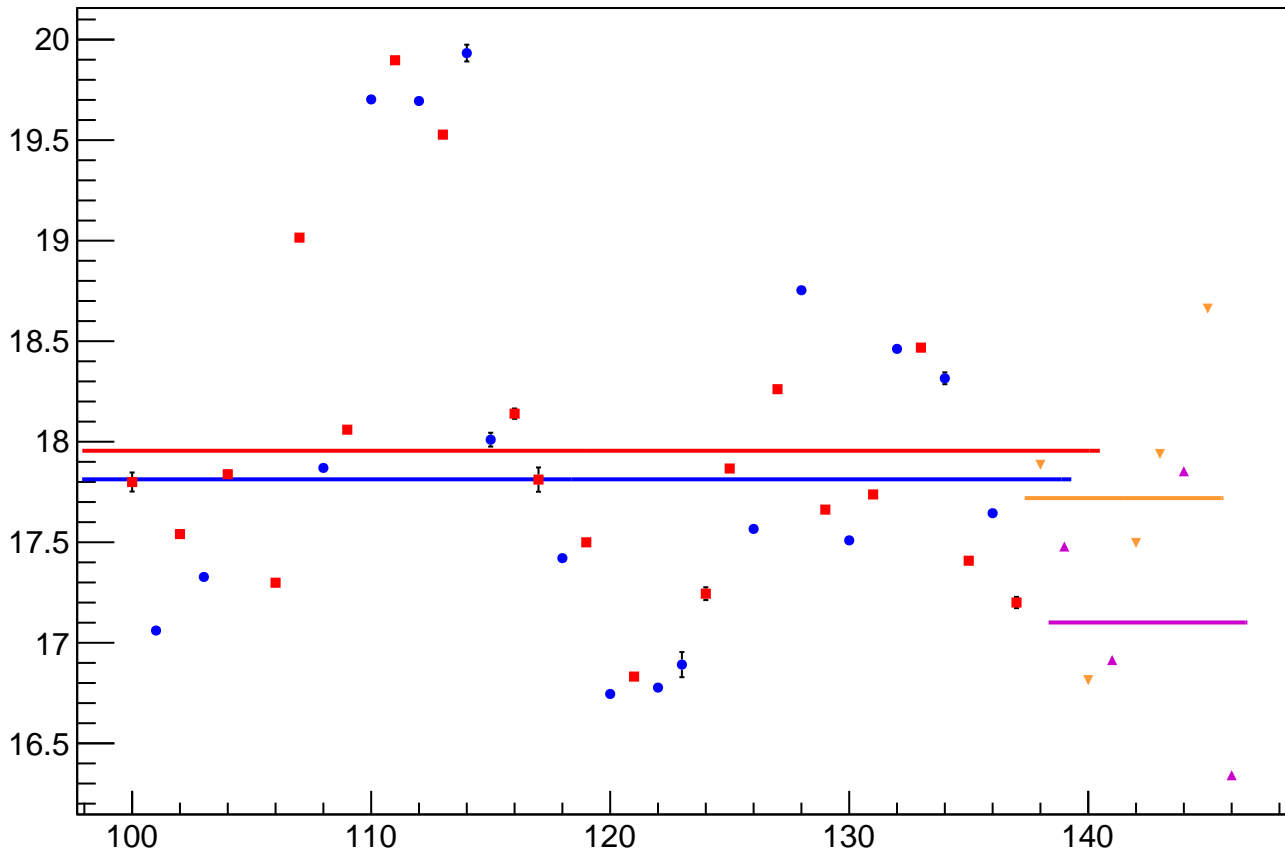
Right Out: -4.820 ± 6.704 $\chi^2/\text{NDF}: 21.3/19$

Left In: 8.908 ± 9.578 $\chi^2/\text{NDF}: 6.1/3$

-3.210 ± 5.613 $\chi^2/\text{NDF}: 9.1/21$

-0.306 ± 5.492 $\chi^2/\text{NDF}: 28.7/23$

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

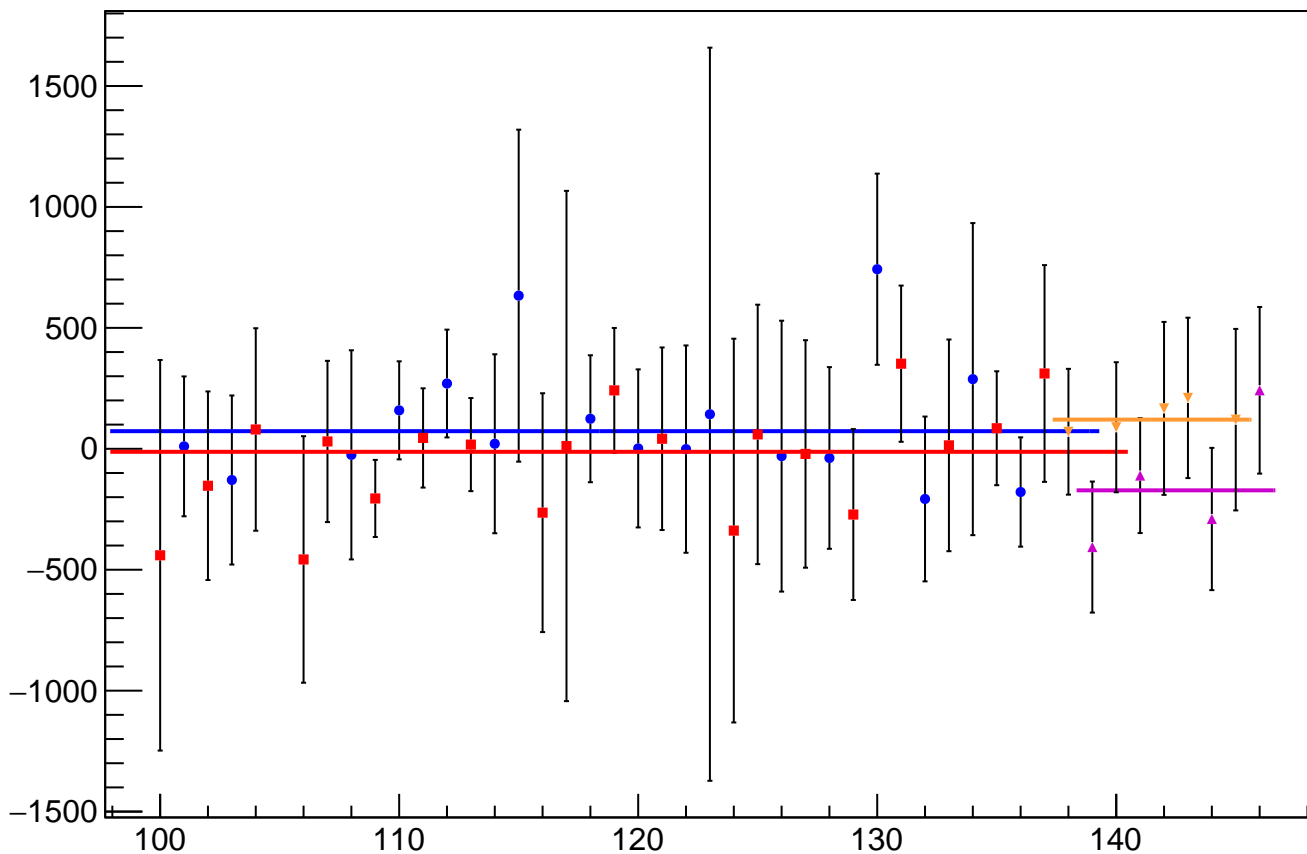
Right Out: 17.955+/-0.005 χ^2 /NDF: 25451.0/19

Left In: 17.101+/-0.007 χ^2 /NDF:7391.4/3

17.782+/-0.004 χ^2 /NDF: 41134.6/21

17.674+/-0.004 χ^2 /NDF: 43516.3/23

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

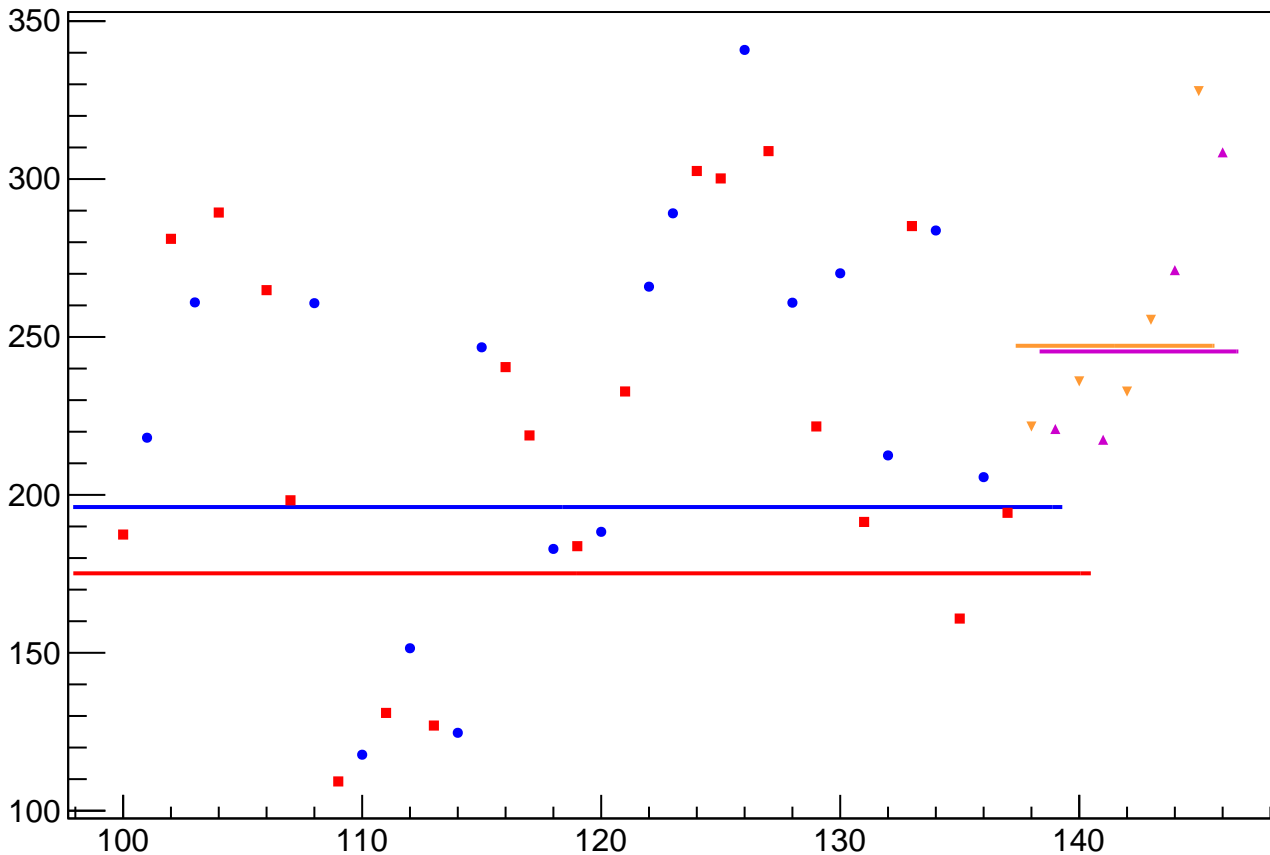
Right Out: -12.456+/-70.853 χ^2/NDF : 6.7/19

Left In: -171.752+/-139.613 χ^2/NDF : 2.4/3

84.920+/-69.155 χ^2/NDF : 7.4/21

-45.080+/-63.182 χ^2/NDF : 10.2/23

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

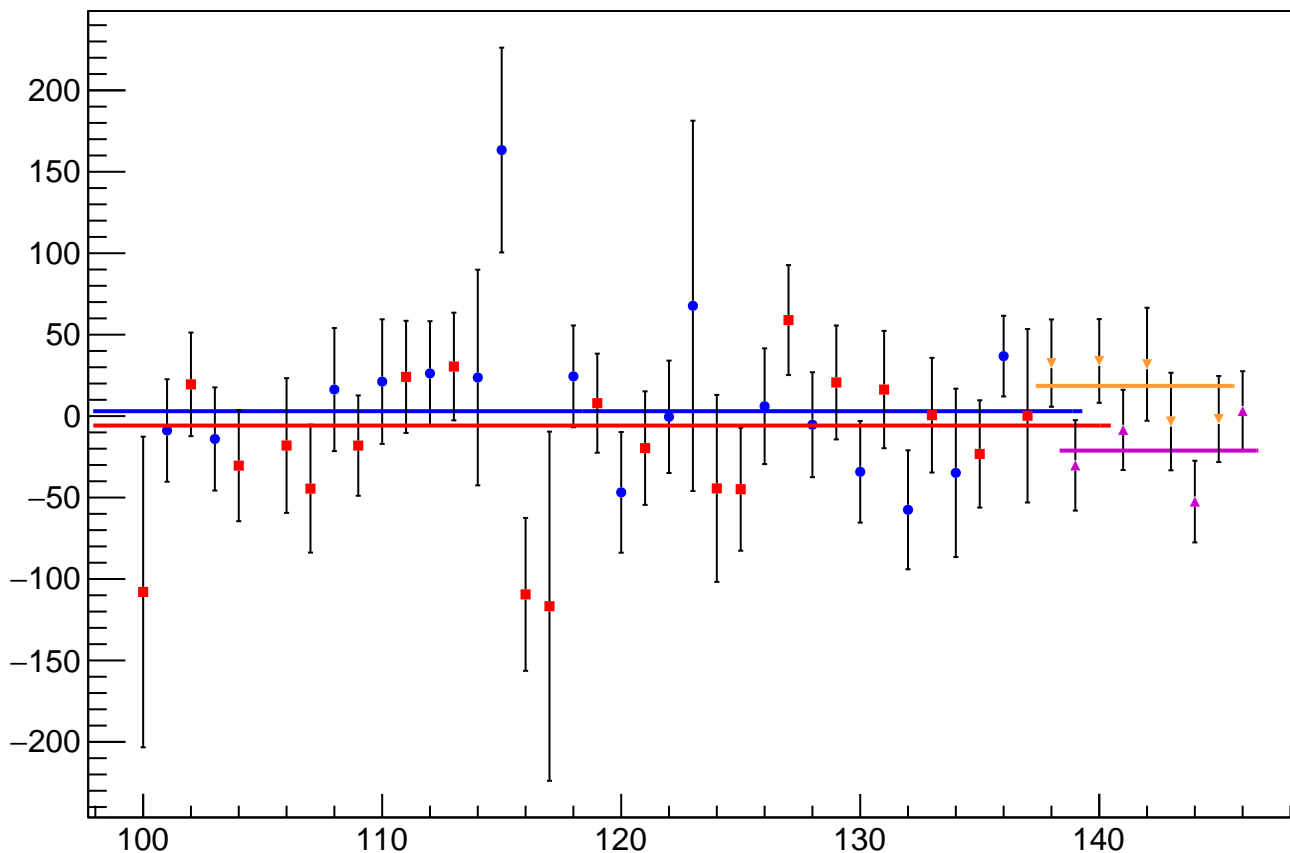
Right Out: 175.163+/-0.050 χ^2/NDF : 1514398.4/19

Left In: 245.411+/-0.099 χ^2/NDF : 126375.4/3

209.007+/-0.049 χ^2/NDF : 1290096.8/21

189.550+/-0.045 χ^2/NDF : 2043422.9/23

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.022 ± 8.751 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 18.574 ± 12.612 $\chi^2/\text{NDF}: 1.9/4$

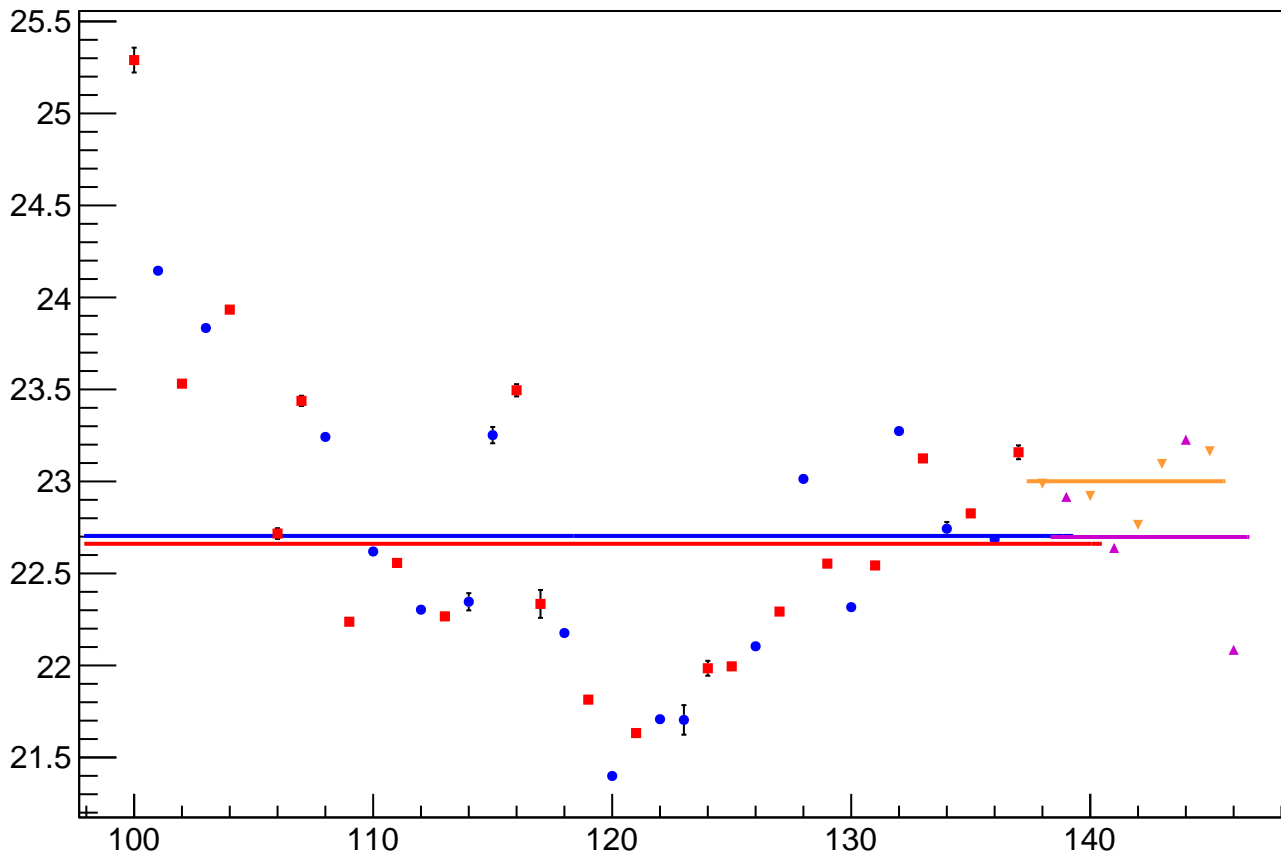
Right Out: -5.786 ± 8.451 $\chi^2/\text{NDF}: 18.3/19$

Left In: -21.160 ± 12.693 $\chi^2/\text{NDF}: 2.9/3$

8.076 ± 7.190 $\chi^2/\text{NDF}: 20.1/21$

-10.508 ± 7.034 $\chi^2/\text{NDF}: 22.2/23$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.704 ± 0.006 $\chi^2/\text{NDF}: 14105.8/16$

Left Out: 23.001 ± 0.009 $\chi^2/\text{NDF}: 209.0/4$

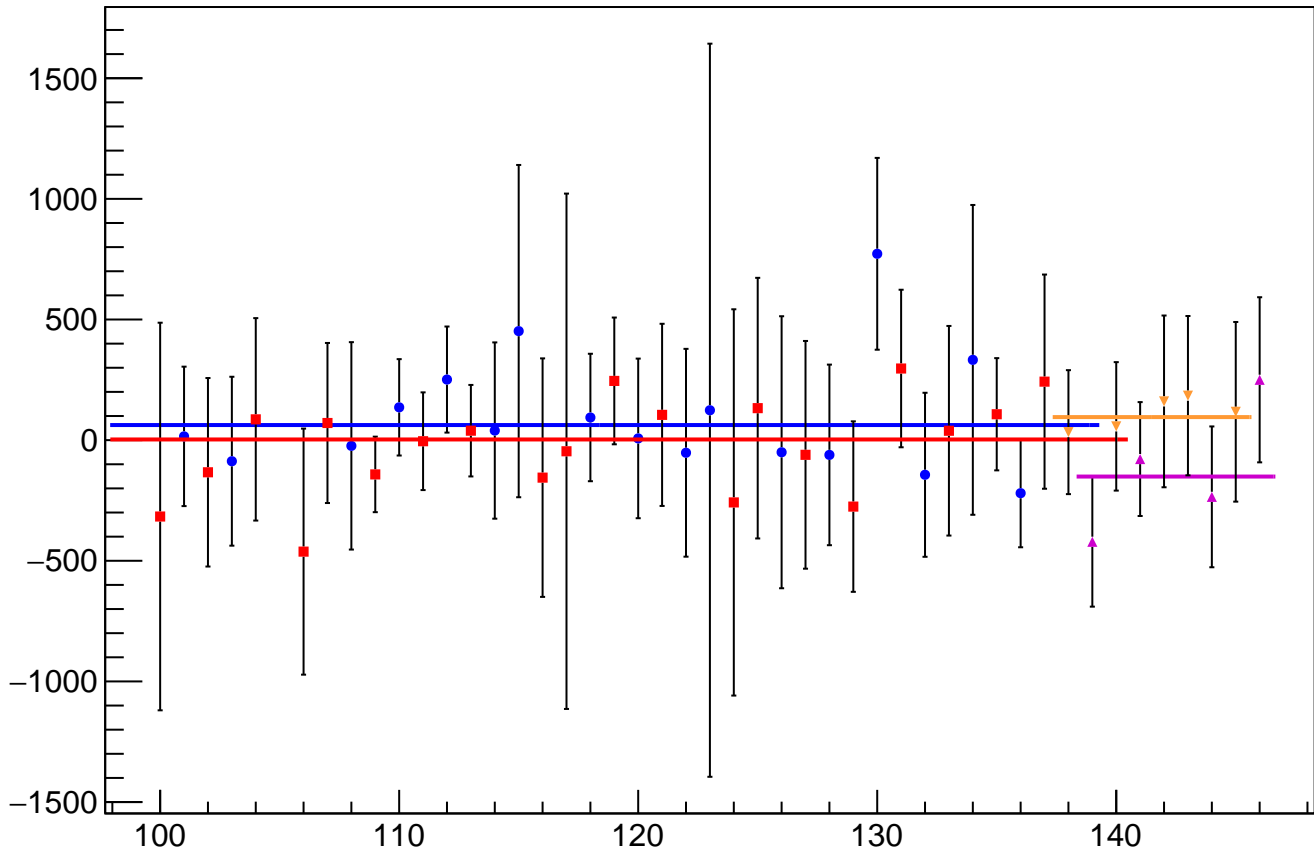
Right Out: 22.661 ± 0.006 $\chi^2/\text{NDF}: 12962.1/19$

Left In: 22.698 ± 0.009 $\chi^2/\text{NDF}: 2282.0/3$

22.801 ± 0.005 $\chi^2/\text{NDF}: 15064.7/21$

22.672 ± 0.005 $\chi^2/\text{NDF}: 15255.8/23$

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

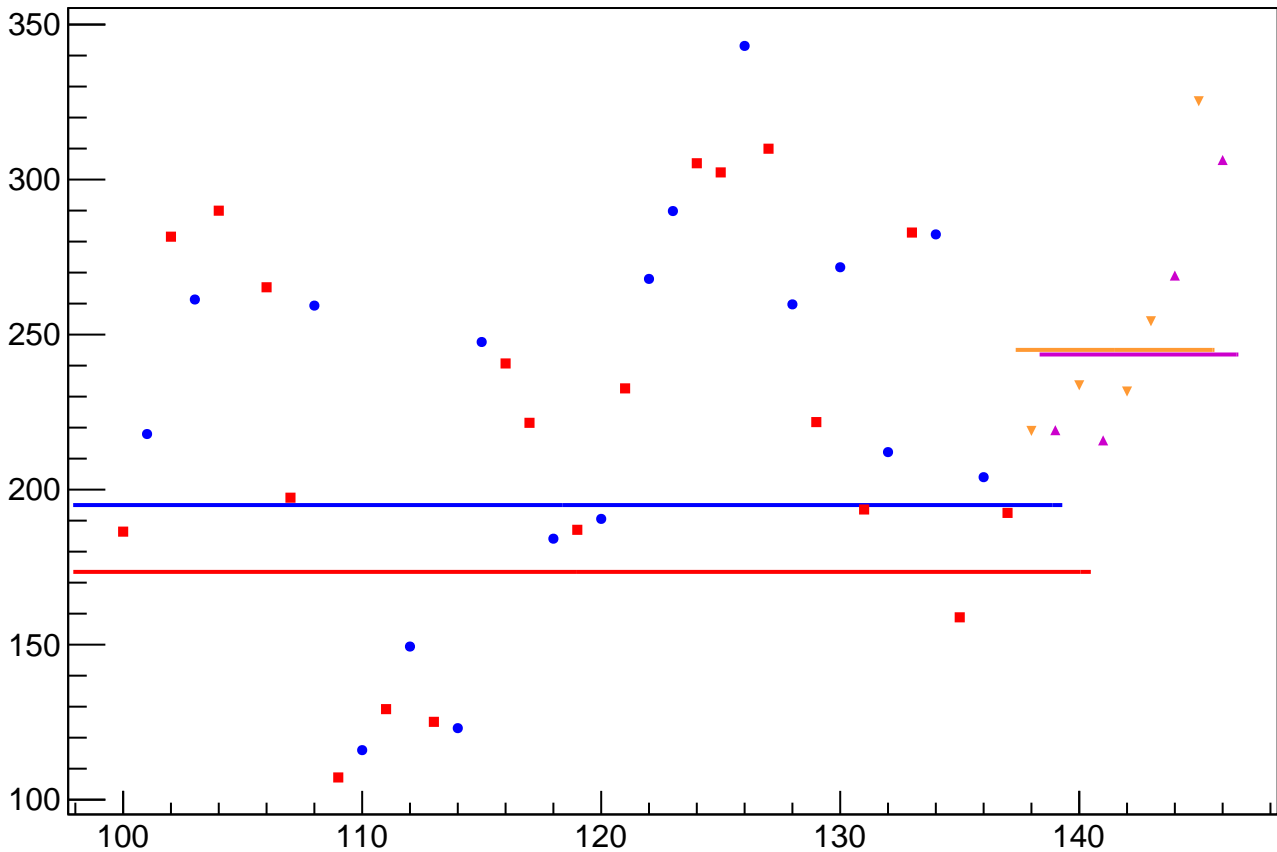
Right Out: 2.824+/-70.364 χ^2/NDF : 5.2/19

Left In: -150.899+/-138.586 χ^2/NDF : 2.6/3

70.917+/-68.786 χ^2/NDF : 7.3/21

-28.682+/-62.741 χ^2/NDF : 8.8/23

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.022 \pm 0.056 χ^2/NDF : 1004284.9/16

Left Out: 245.069 \pm 0.097 χ^2/NDF : 121573.9/4

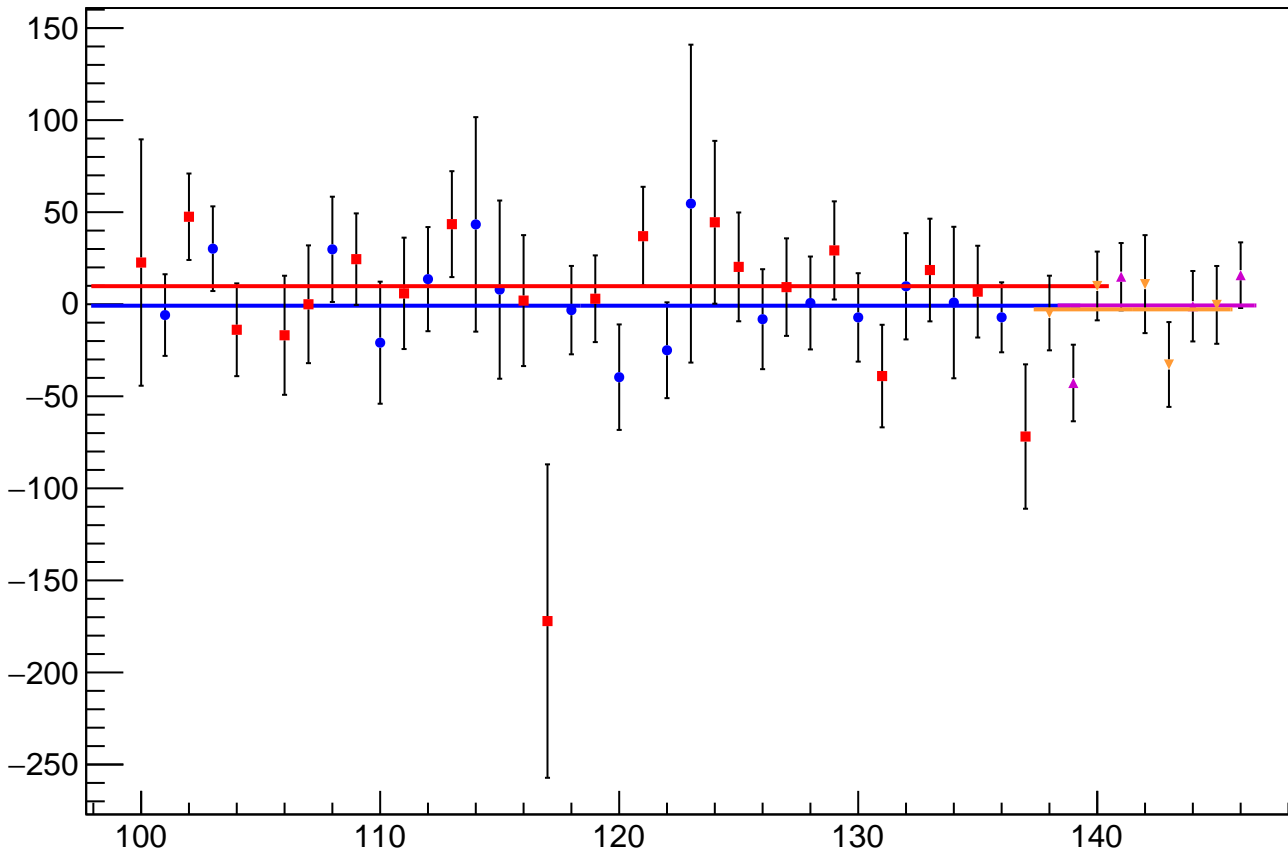
Right Out: 173.471 \pm 0.050 χ^2/NDF : 1582273.4/19

Left In: 243.582 \pm 0.098 χ^2/NDF : 126469.6/3

207.701 \pm 0.049 χ^2/NDF : 1326134.9/21

187.841 \pm 0.044 χ^2/NDF : 2115700.0/23

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.801 ± 6.770 $\chi^2/\text{NDF}: 7.8/16$

Left Out: -2.787 ± 9.606 $\chi^2/\text{NDF}: 2.4/4$

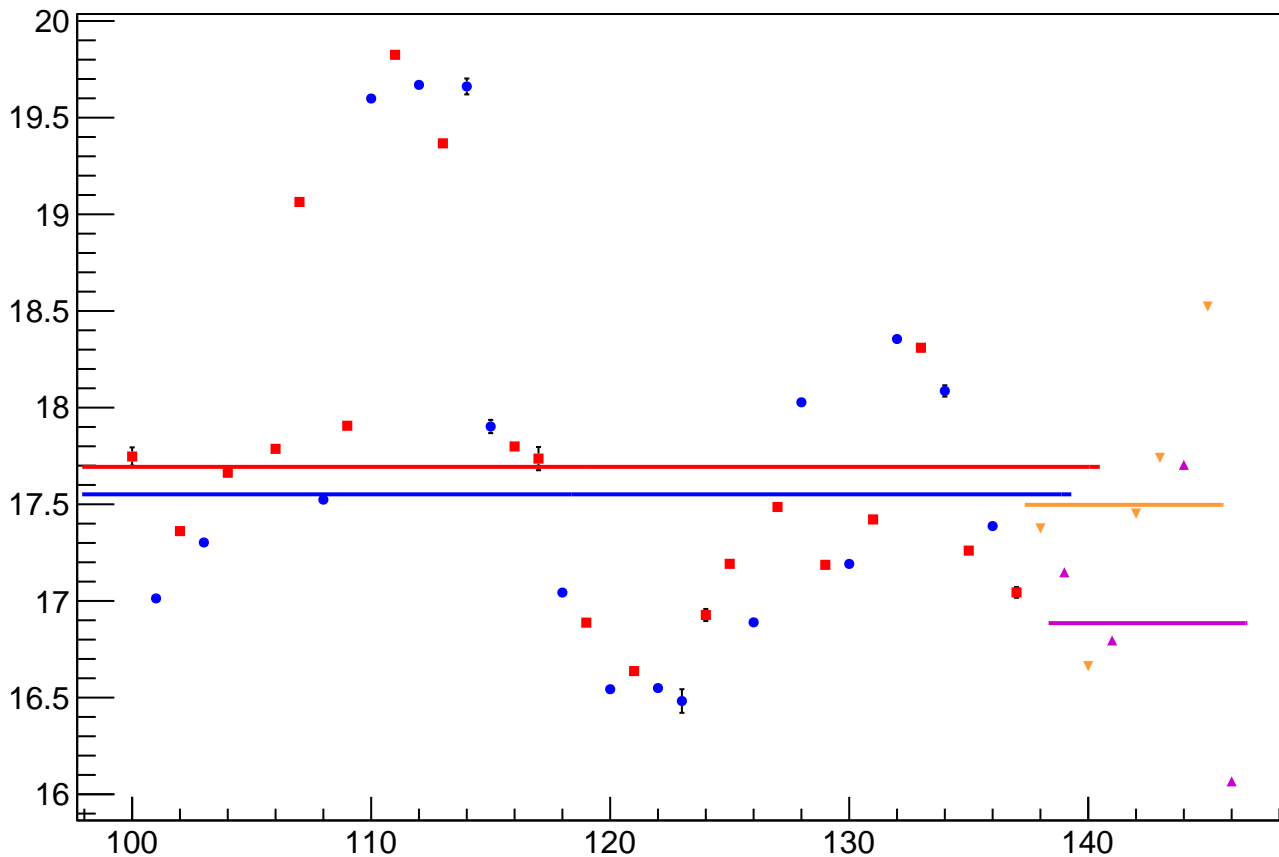
Right Out: 9.809 ± 6.606 $\chi^2/\text{NDF}: 20.5/19$

Left In: -0.661 ± 9.455 $\chi^2/\text{NDF}: 5.7/3$

-1.460 ± 5.534 $\chi^2/\text{NDF}: 10.2/21$

6.375 ± 5.415 $\chi^2/\text{NDF}: 27.0/23$

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

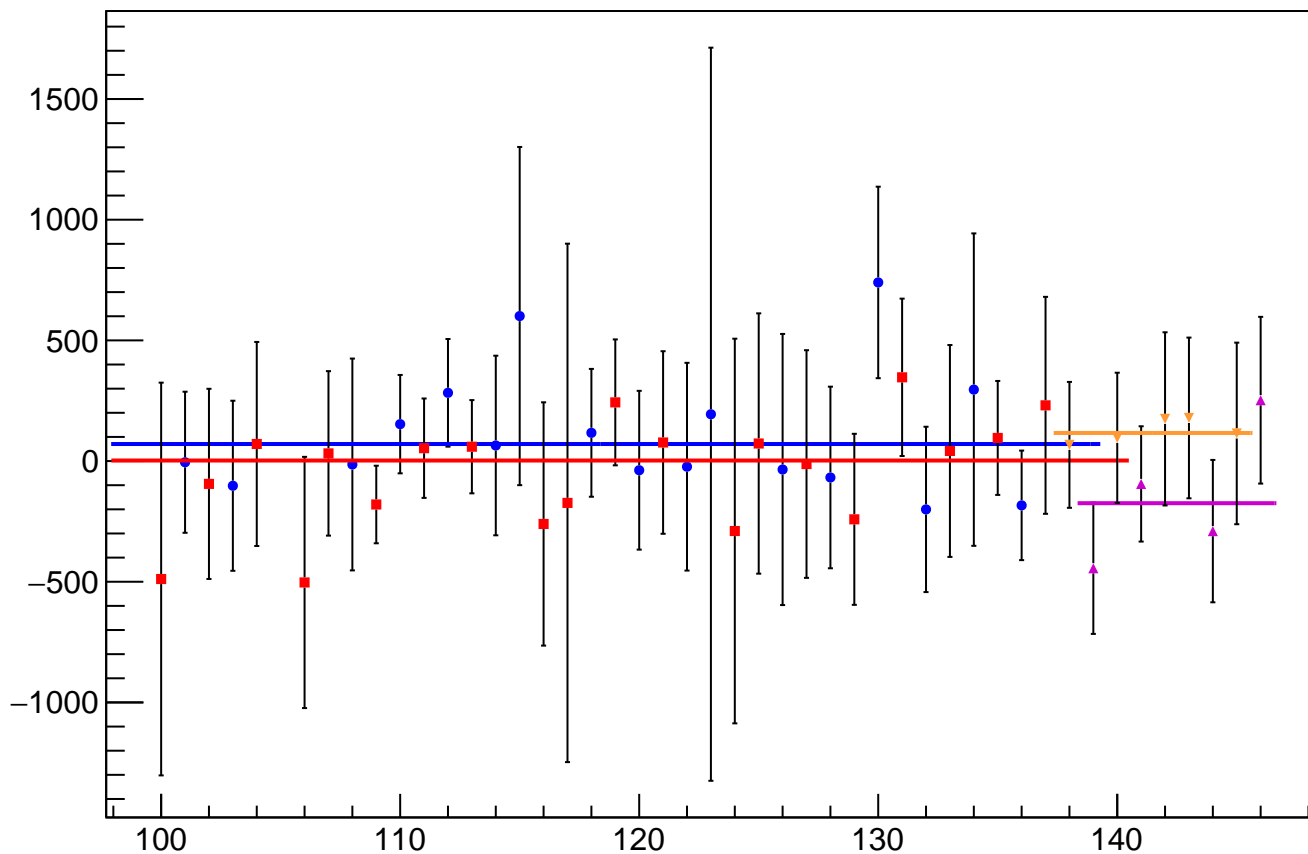
17.533+/-0.004 χ^2 /NDF: 43078.1/21

Right Out: 17.694+/-0.005 χ^2 /NDF: 30742.5/19

17.428+/-0.004 χ^2 /NDF: 48818.9/23

Left In: 16.885+/-0.007 χ^2 /NDF:8250.5/3

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

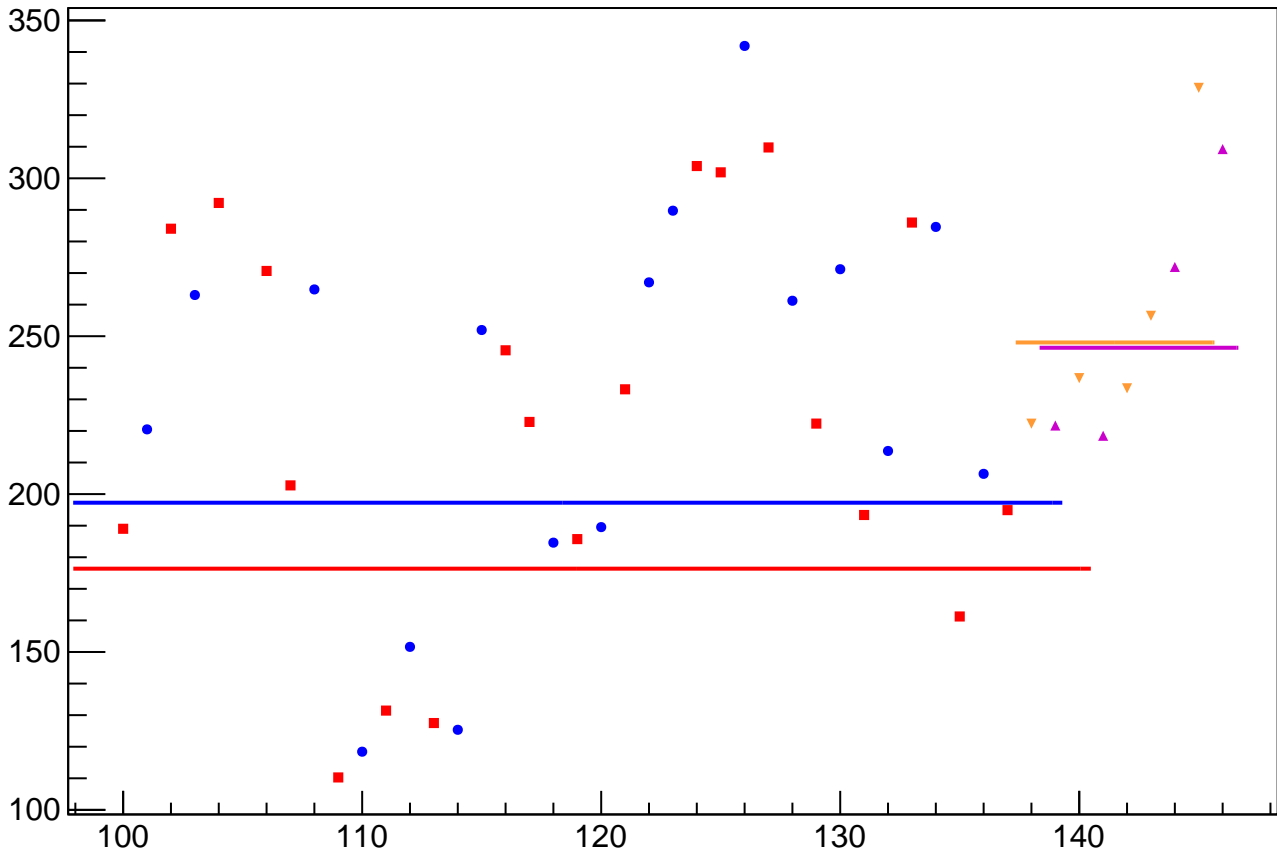
Right Out: 2.285+/-71.350 χ^2 /NDF: 6.2/19

Left In: -174.538+/-140.123 χ^2 /NDF:2.8/3

82.208+/-69.509 χ^2 /NDF: 7.4/21

-34.122+/-63.581 χ^2 /NDF: 10.2/23

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

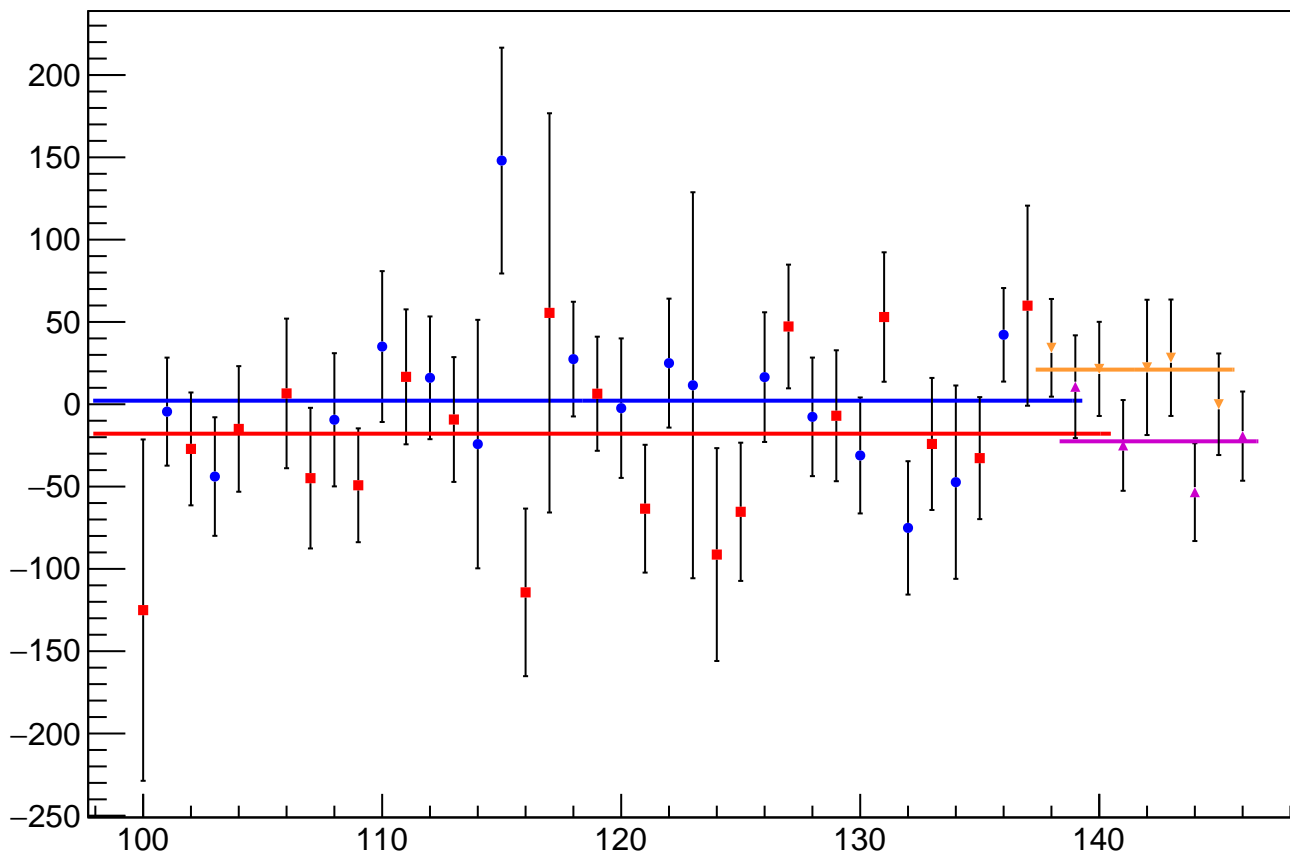
Right Out: 176.387 \pm 0.050 χ^2 /NDF: 1523467.7/19

Left In: 246.342 \pm 0.099 χ^2 /NDF: 125054.7/3

210.096 \pm 0.049 χ^2 /NDF: 1290291.7/21

190.790 \pm 0.045 χ^2 /NDF: 2044378.7/23

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

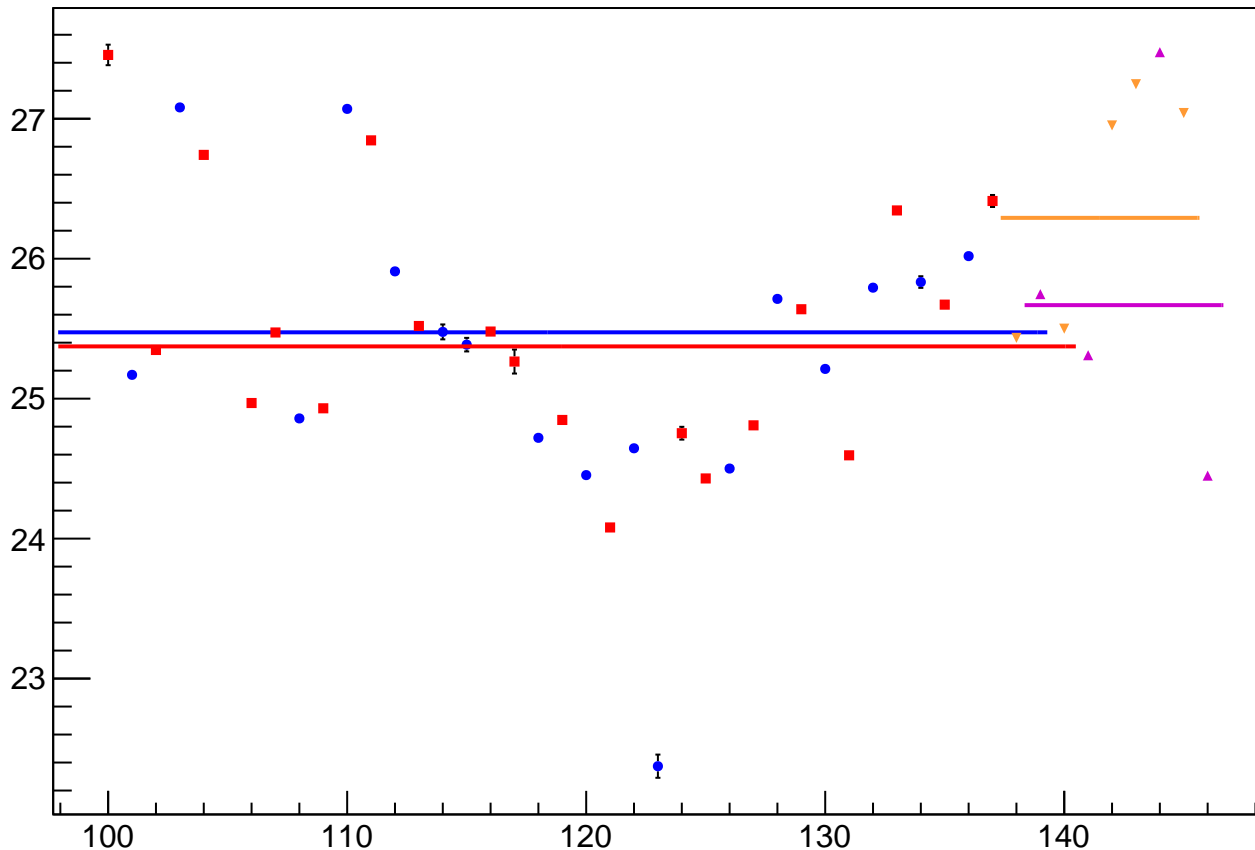
Right Out: -17.869+/-9.468 χ^2/NDF : 20.0/19

Left In: -22.507+/-14.378 χ^2/NDF : 2.2/3

8.155+/-8.122 χ^2/NDF : 17.2/21

-19.272+/-7.907 χ^2/NDF : 22.3/23

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

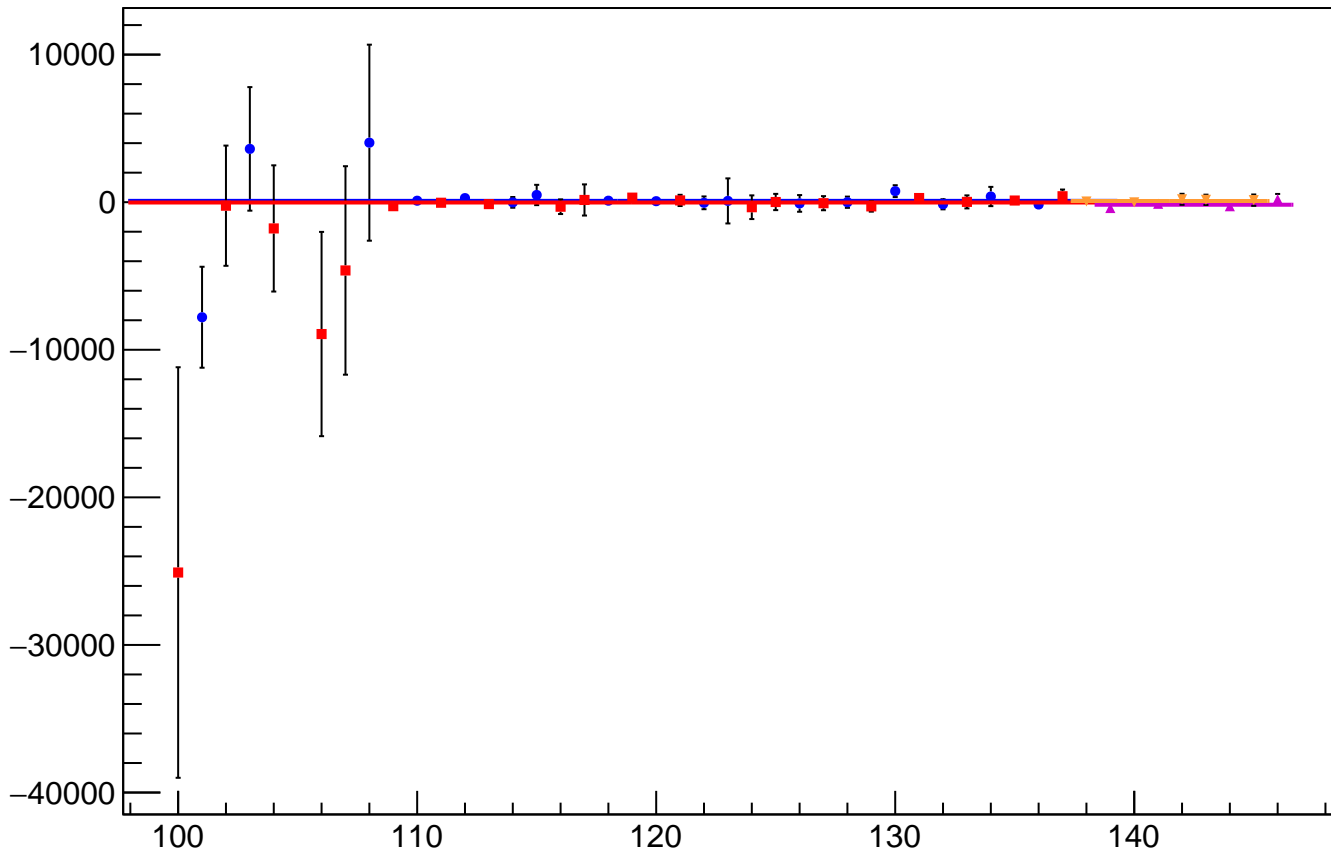
Right Out: 25.373+/-0.007 χ^2 /NDF: 13582.8/19

Left In: 25.668+/-0.010 χ^2 /NDF:11802.4/3

25.733+/-0.006 χ^2 /NDF: 24806.6/21

25.462+/-0.006 χ^2 /NDF: 25971.7/23

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

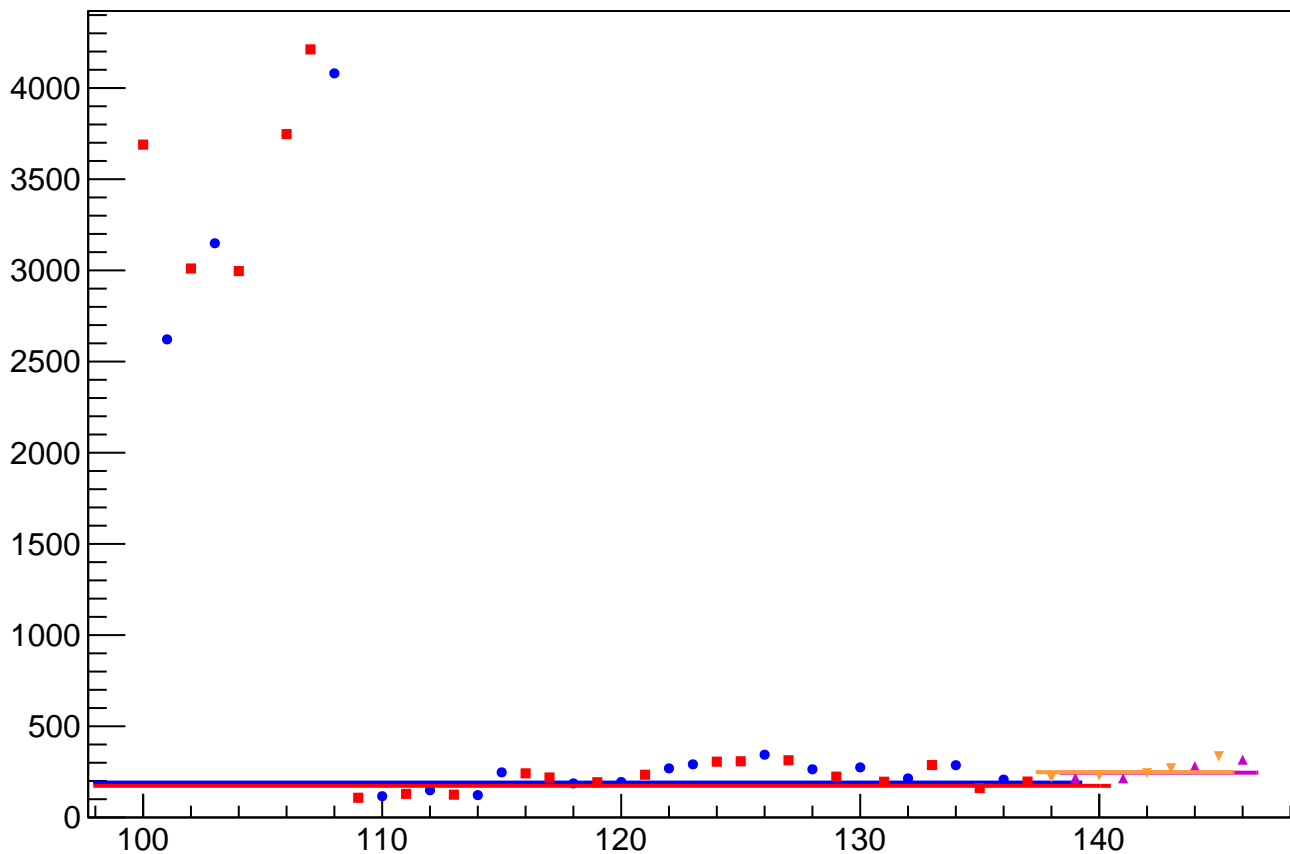
Right Out: -21.600+/-80.665 χ^2 /NDF: 11.9/19

Left In: -172.837+/-140.140 χ^2 /NDF:2.0/3

87.048+/-74.105 χ^2 /NDF: 12.6/21

-59.238+/-69.911 χ^2 /NDF: 14.8/23

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



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

207.500+/-0.052 χ^2/NDF : 3963386.9/21

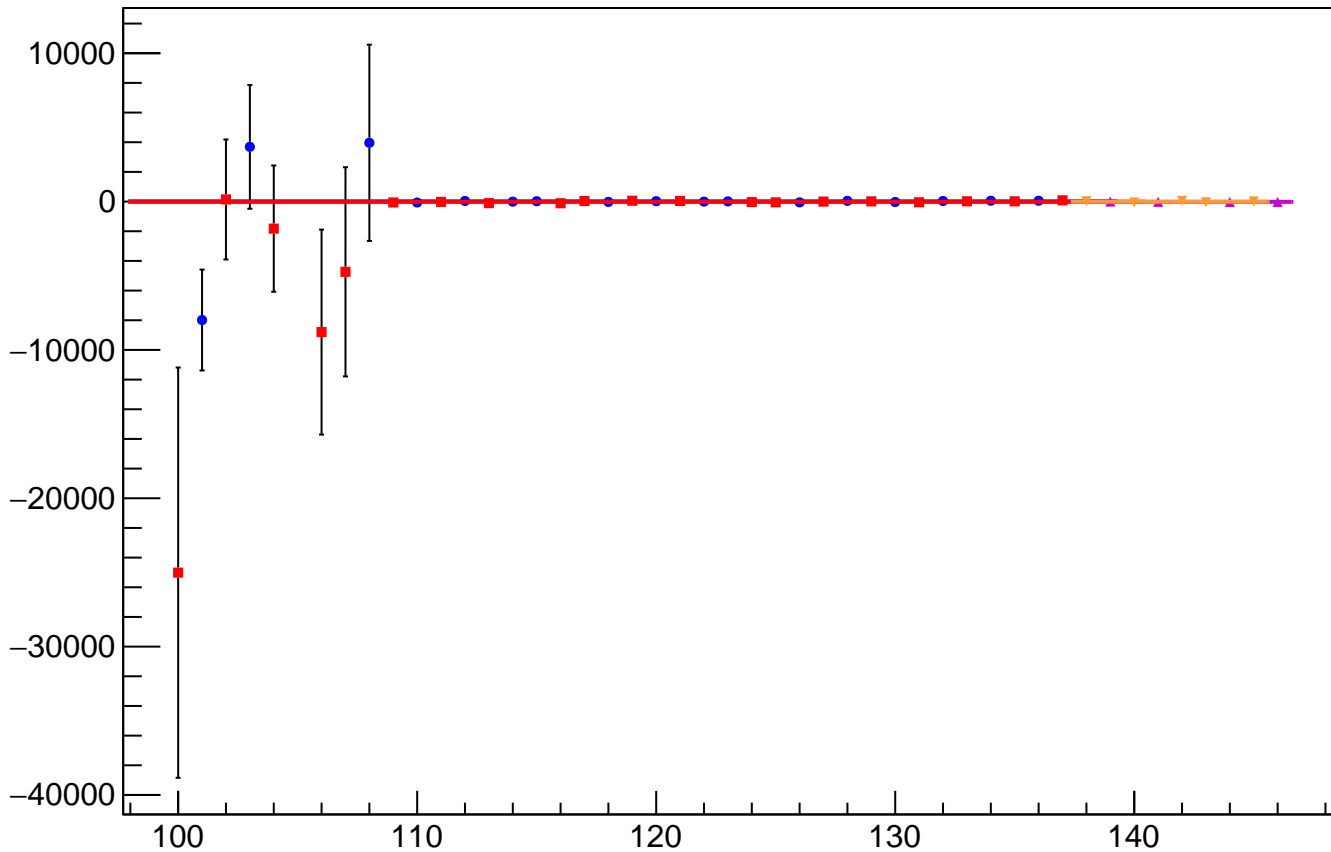
Left Out: 248.443+/-0.098 χ^2/NDF : 148433.6/4

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

191.455+/-0.049 χ^2/NDF : 4772115.4/23

Left In: 245.537+/-0.099 χ^2/NDF : 164636.9/3

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

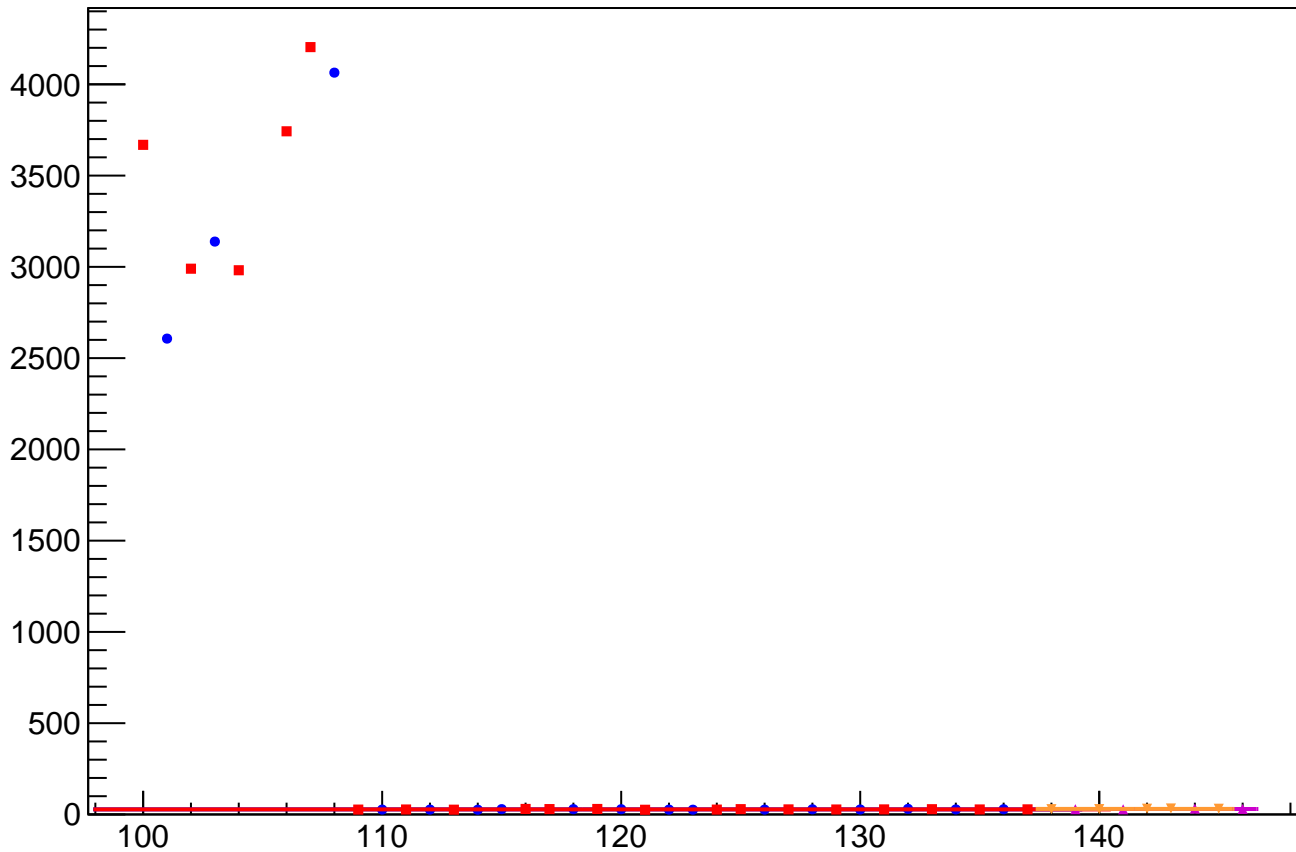
Right Out: -12.573+/-12.182 χ^2/NDF : 24.5/19

Left In: -18.685+/-16.742 χ^2/NDF : 0.6/3

3.419+/-9.857 χ^2/NDF : 25.7/21

-14.689+/-9.850 χ^2/NDF : 25.2/23

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

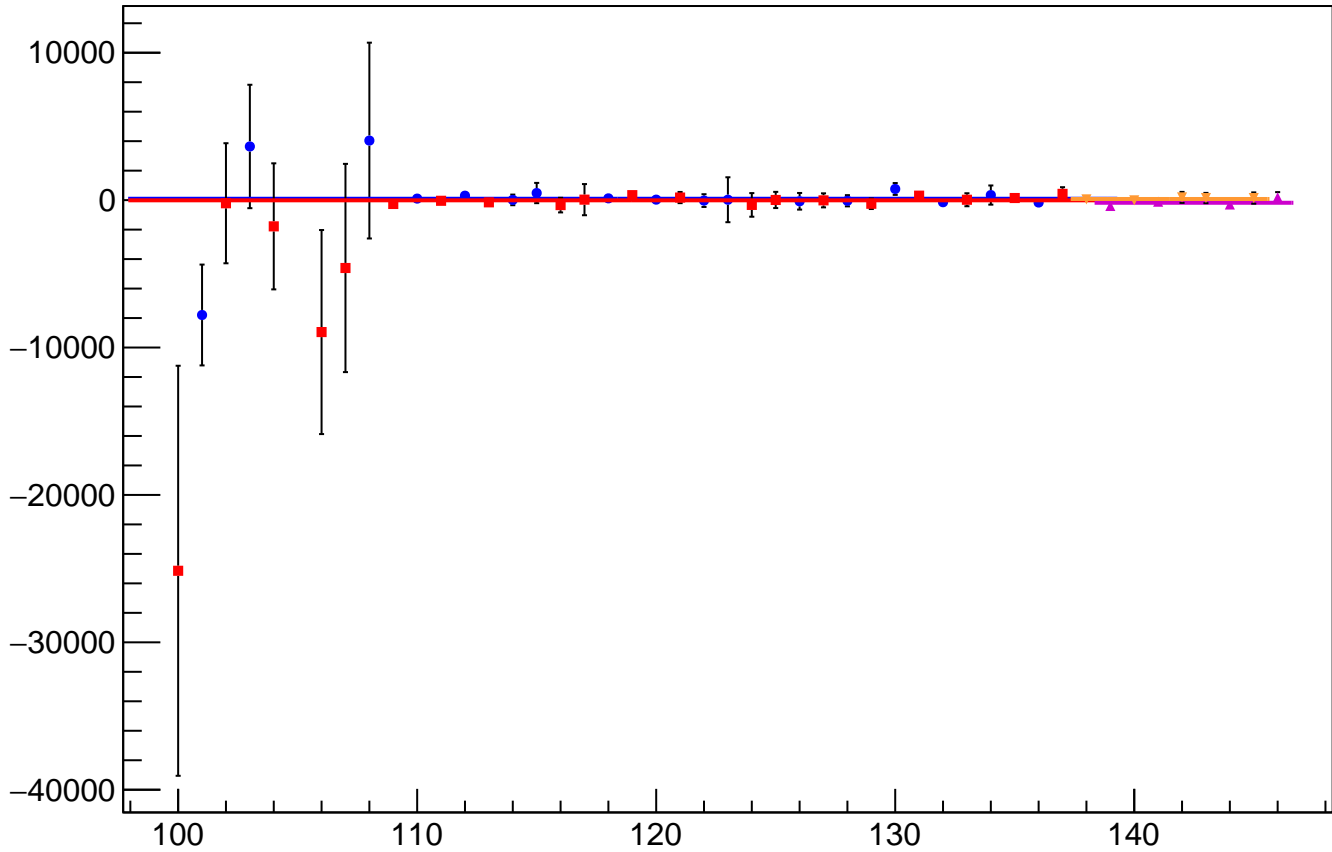
Right Out: 27.706 \pm 0.009 χ^2 /NDF: 3477080.4/19

Left In: 29.854 \pm 0.012 χ^2 /NDF: 17741.6/3

28.732 \pm 0.007 χ^2 /NDF: 3072129.8/21

28.450 \pm 0.007 χ^2 /NDF: 3516339.0/23

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

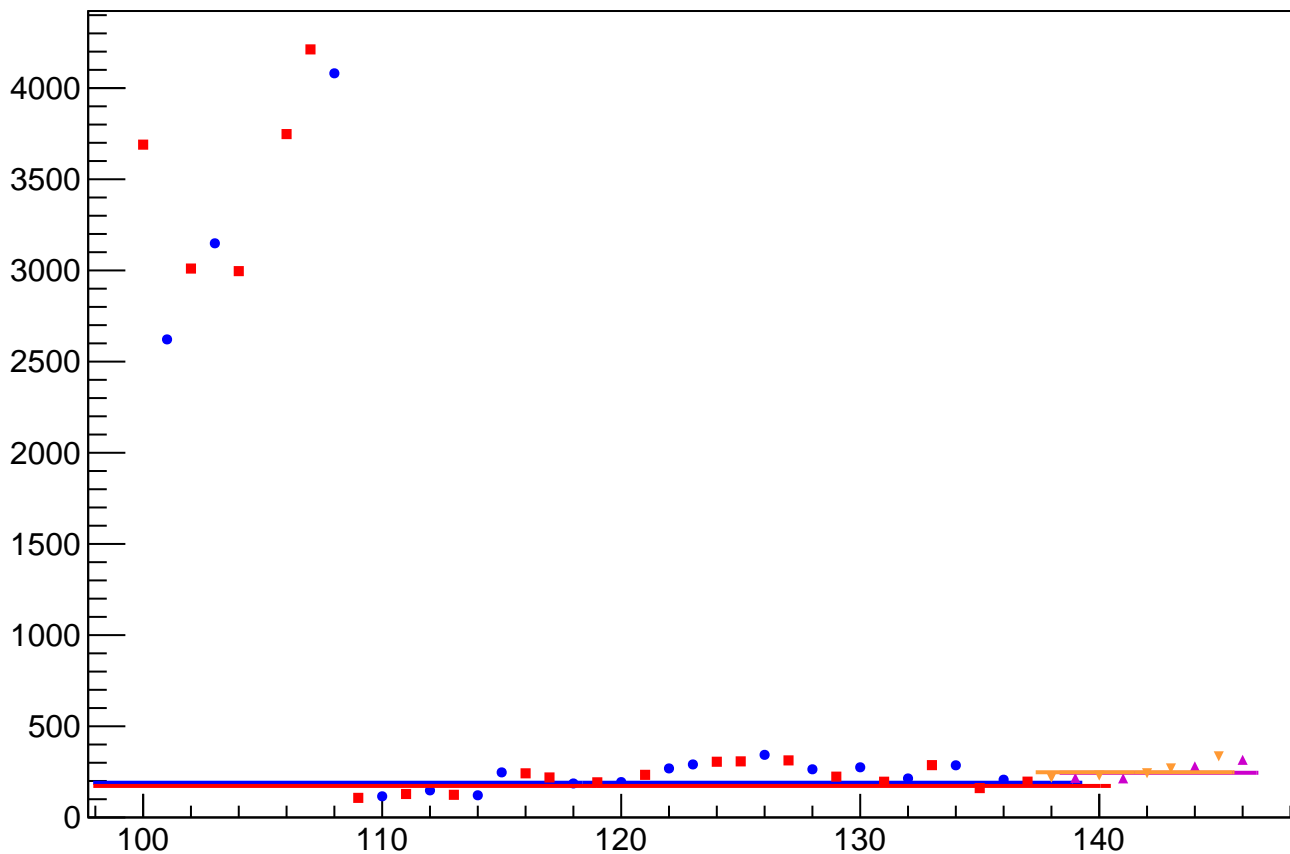
Right Out: -12.509+/-80.407 χ^2 /NDF: 12.7/19

Left In: -179.049+/-139.845 χ^2 /NDF:2.0/3

88.393+/-73.892 χ^2 /NDF: 12.9/21

-53.887+/-69.706 χ^2 /NDF: 15.7/23

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.485 ± 0.062 $\chi^2/NDF: 3583573.2/16$

206.814 ± 0.052 $\chi^2/NDF: 3977947.1/21$

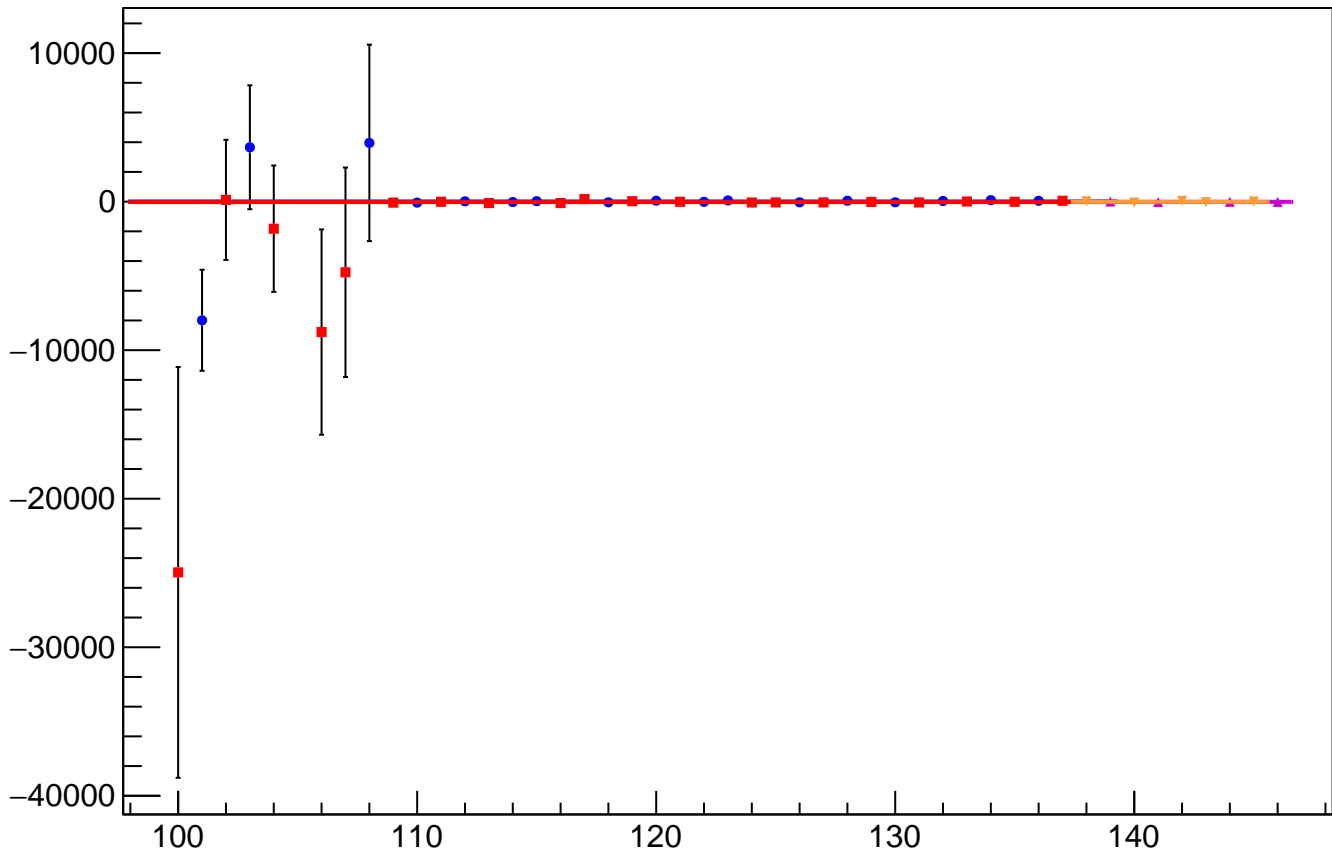
Left Out: 247.873 ± 0.098 $\chi^2/NDF: 148799.2/4$

190.798 ± 0.049 $\chi^2/NDF: 4786845.9/23$

Right Out: 172.872 ± 0.057 $\chi^2/NDF: 422275.2/19$

Left In: 245.021 ± 0.099 $\chi^2/NDF: 164487.7/3$

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 9.600+/-12.273 χ^2/NDF : 23.2/16

2.795+/-9.921 χ^2/NDF : 29.8/21

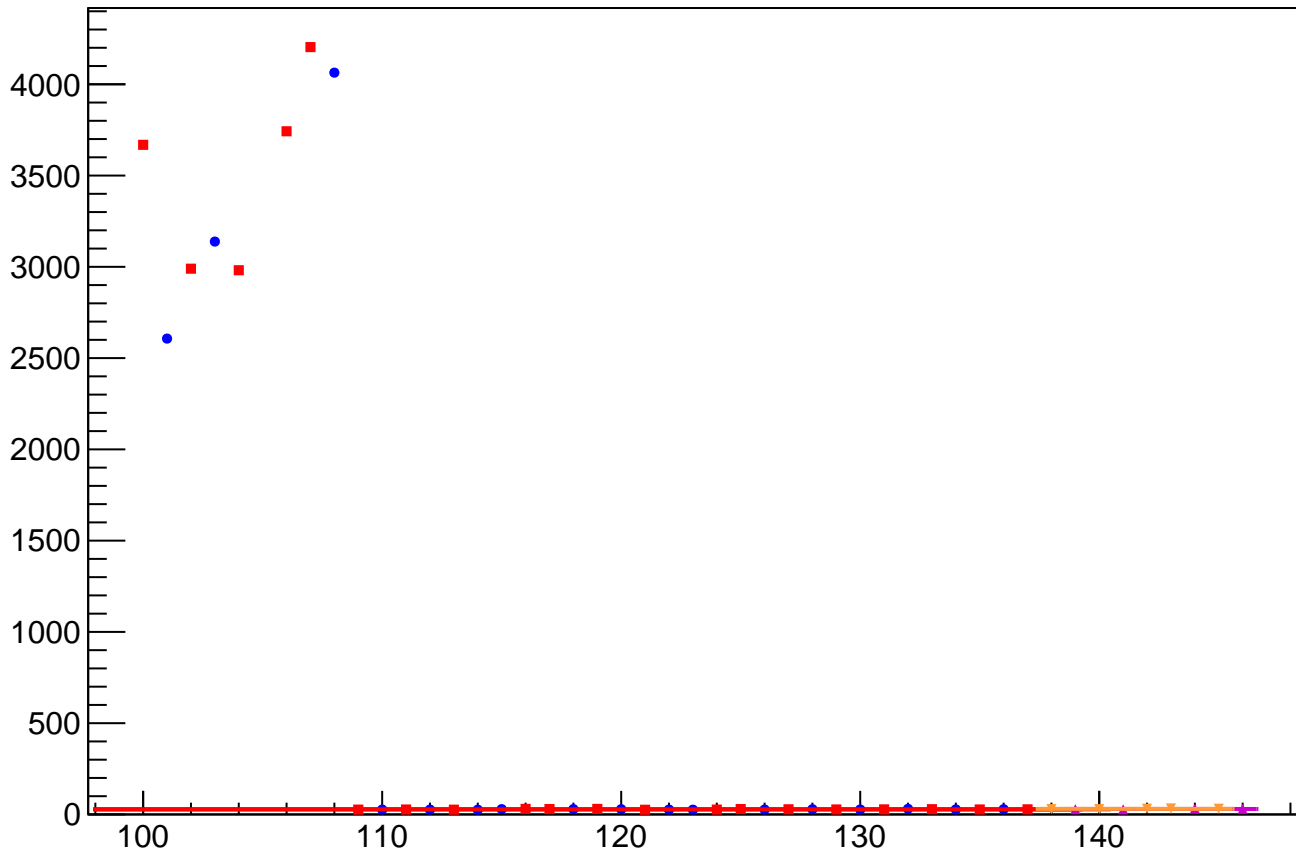
Left Out: -10.040+/-16.854 χ^2/NDF : 5.7/4

Right Out: -28.128+/-12.282 χ^2/NDF : 18.5/19

-22.411+/-9.924 χ^2/NDF : 19.6/23

Left In: -11.659+/-16.843 χ^2/NDF : 0.5/3

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

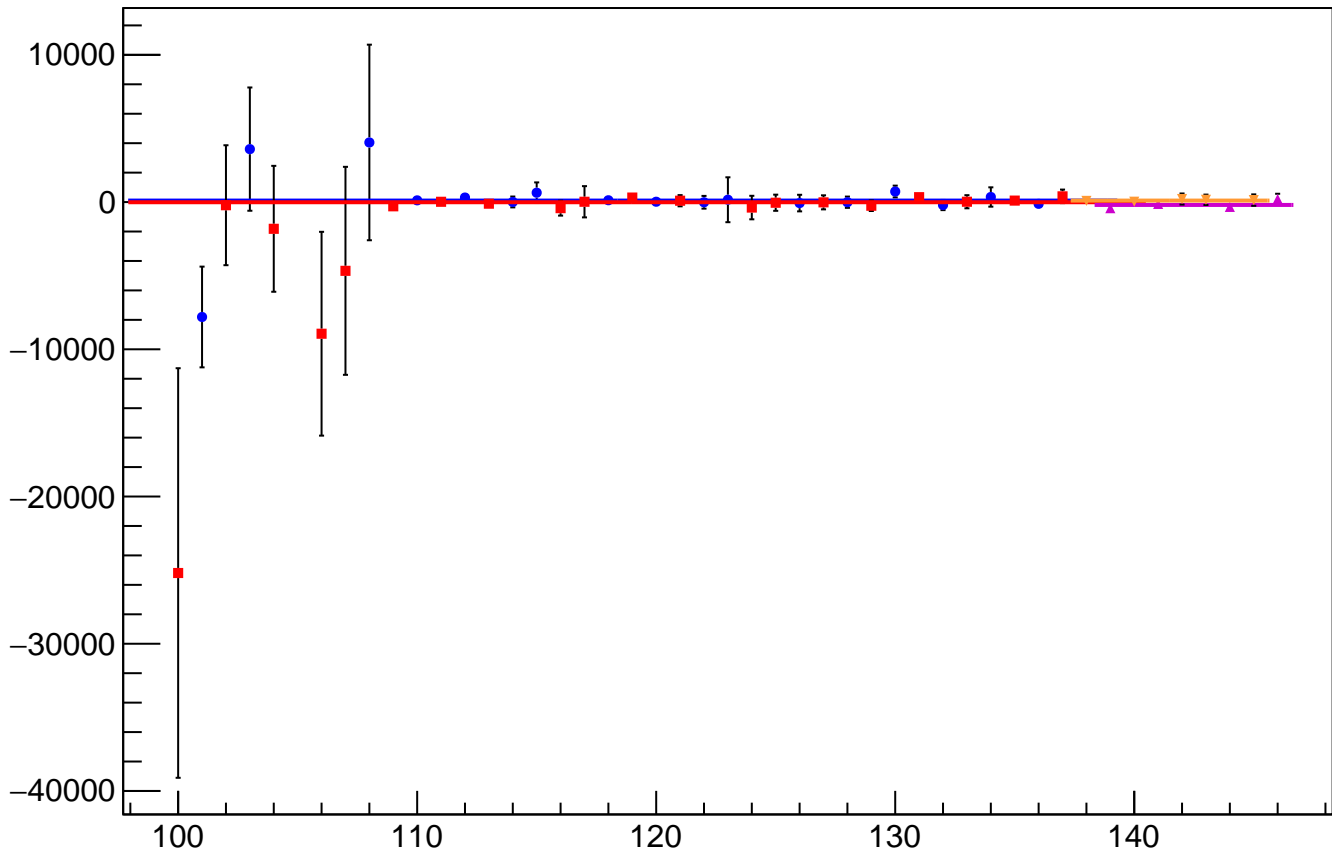
28.916+/-0.007 χ^2 /NDF: 3071984.9/21

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

28.658+/-0.007 χ^2 /NDF: 3519496.2/23

Left In: 30.029+/-0.012 χ^2 /NDF:19331.1/3

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 101.772+/-88.390 χ^2/NDF : 12.4/16

Left Out: 101.503+/-140.439 χ^2/NDF : 0.2/4

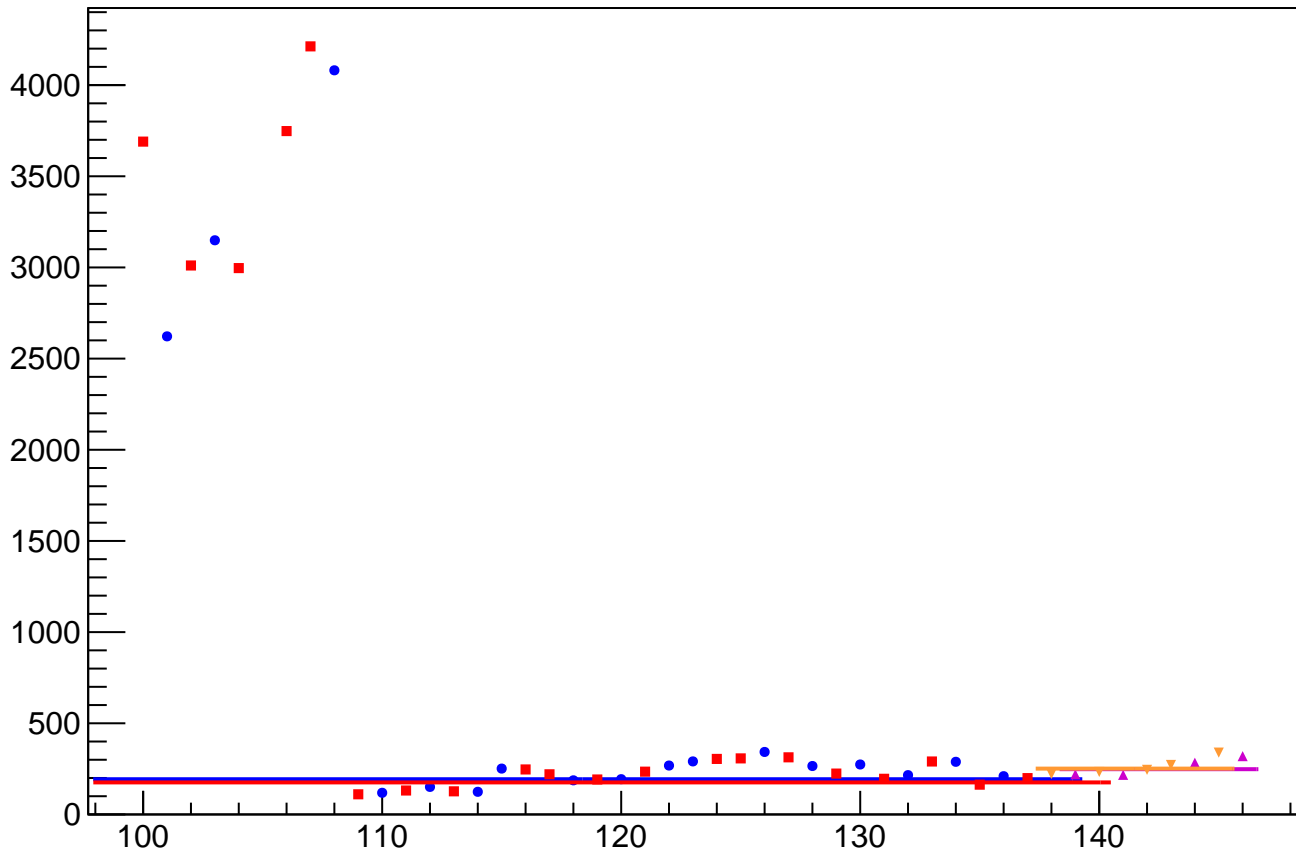
Right Out: -11.037+/-81.486 χ^2/NDF : 12.3/19

Left In: -195.158+/-141.652 χ^2/NDF : 2.2/3

101.696+/-74.807 χ^2/NDF : 12.6/21

-56.817+/-70.633 χ^2/NDF : 15.7/23

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

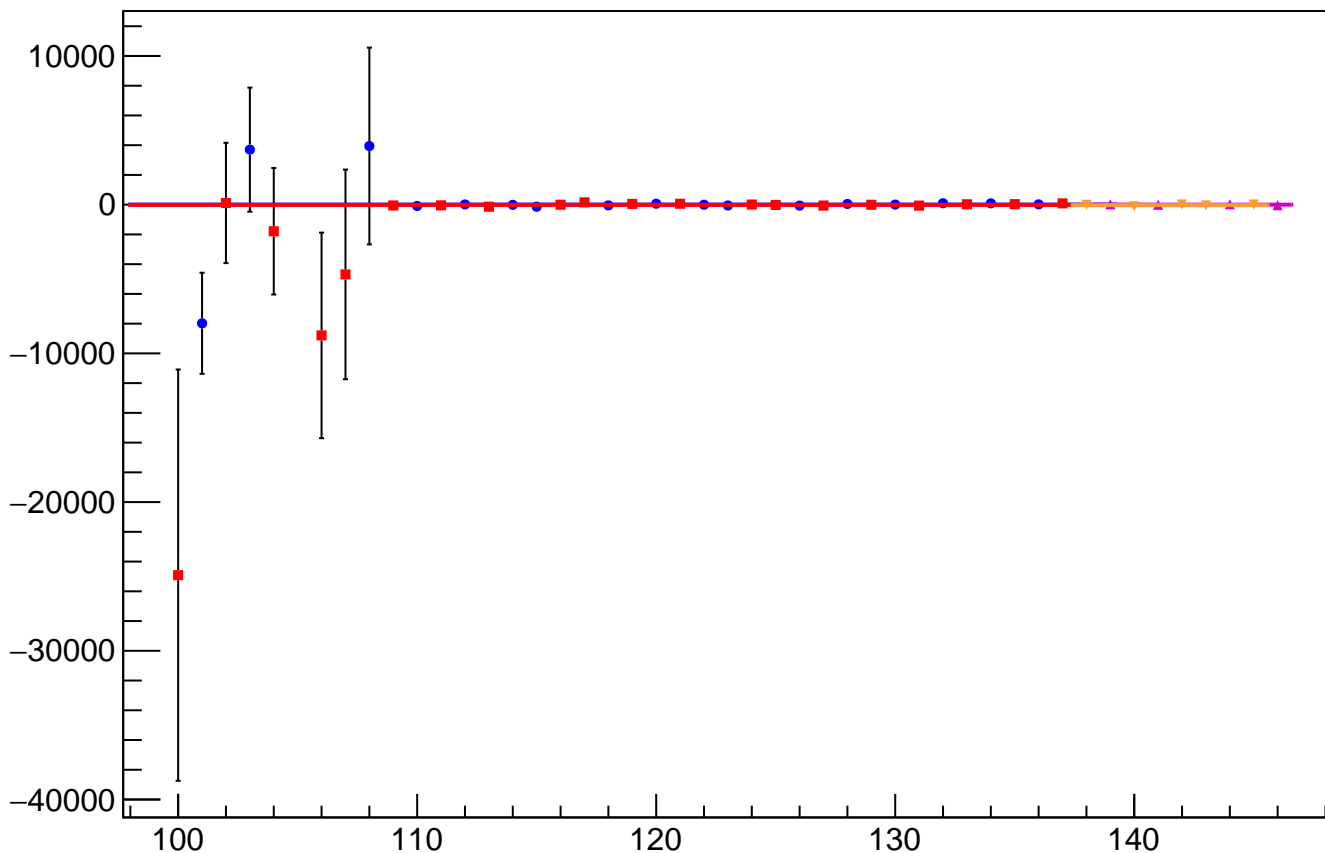
209.703+/-0.053 χ^2/NDF : 3927454.8/21

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

193.777+/-0.050 χ^2/NDF : 4725450.7/23

Left In: 248.253+/-0.100 χ^2/NDF : 162831.9/3

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

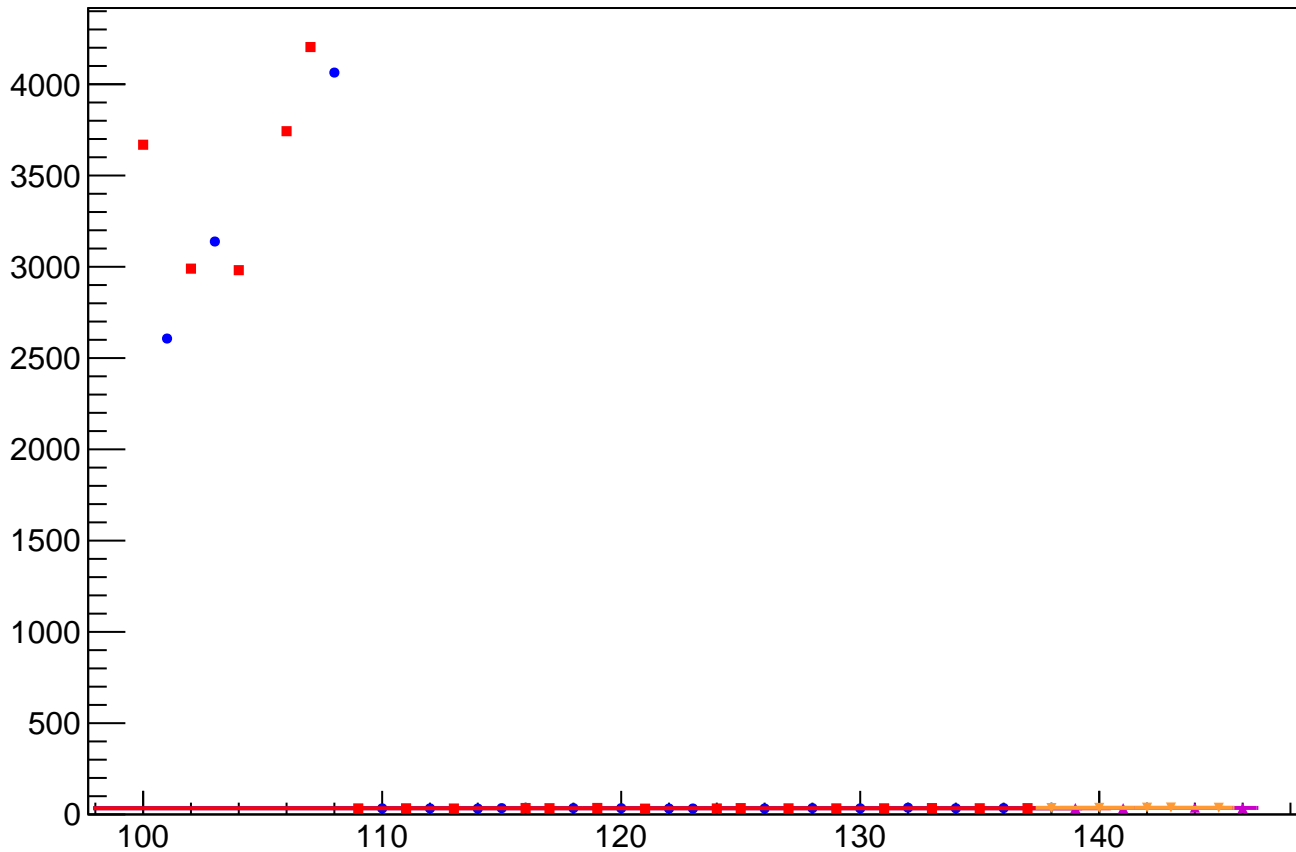
Right Out: -11.101+/-14.886 χ^2 /NDF: 22.7/19

Left In: 0.755+/-19.965 χ^2 /NDF:1.4/3

-8.545+/-11.965 χ^2 /NDF: 28.2/21

-6.865+/-11.934 χ^2 /NDF: 24.4/23

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.137+/-0.011 χ^2 /NDF: 3006248.0/16

Left Out: 36.383+/-0.014 χ^2 /NDF:4340.2/4

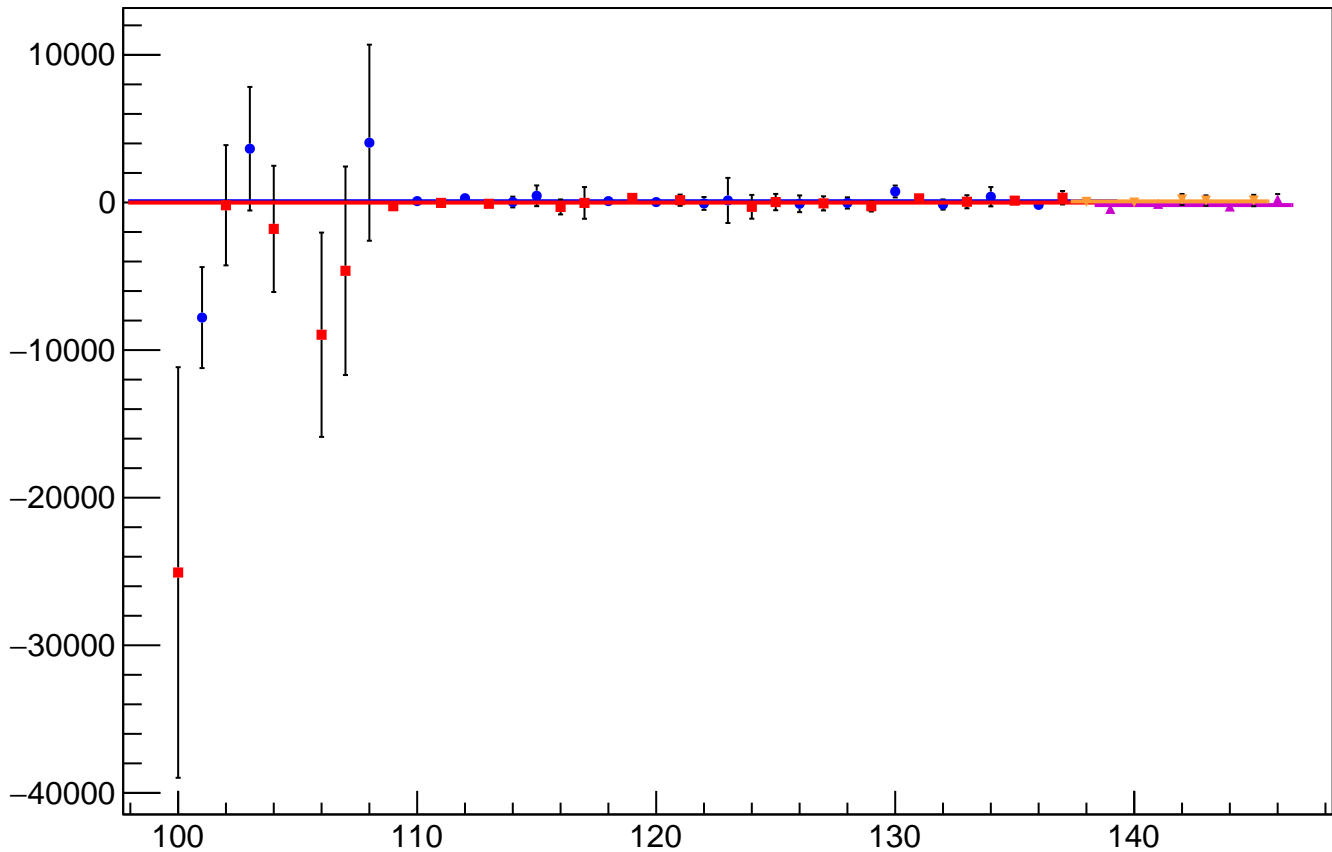
Right Out: 33.915+/-0.011 χ^2 /NDF: 3451897.1/19

Left In: 35.663+/-0.014 χ^2 /NDF:6093.8/3

34.941+/-0.008 χ^2 /NDF: 3026776.2/21

34.540+/-0.008 χ^2 /NDF: 3467835.0/23

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 86.041+/-87.947 χ^2 /NDF: 12.4/16

Left Out: 76.684+/-139.248 χ^2 /NDF:0.3/4

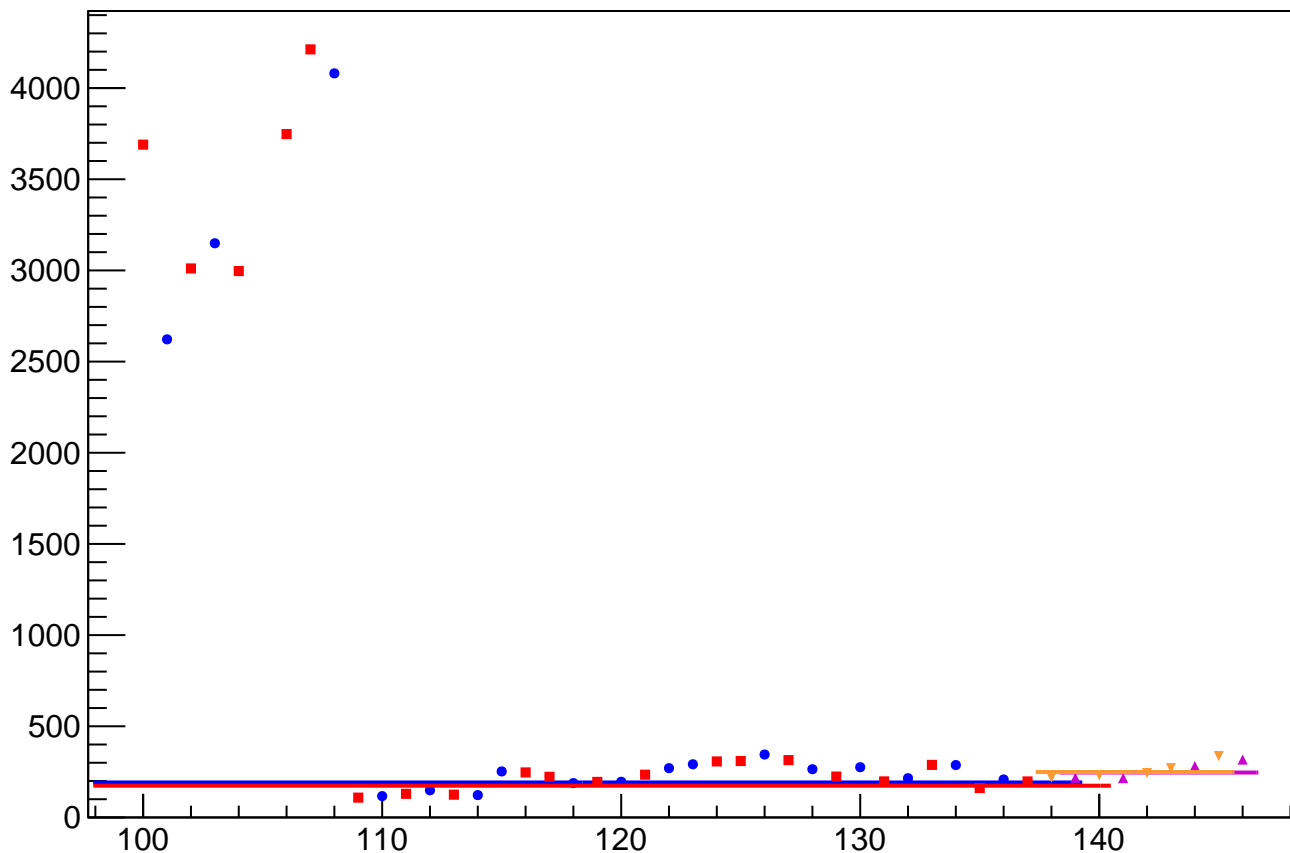
Right Out: -7.420+/-80.977 χ^2 /NDF: 11.1/19

Left In: -176.170+/-140.624 χ^2 /NDF:2.4/3

83.372+/-74.358 χ^2 /NDF: 12.7/21

-49.442+/-70.174 χ^2 /NDF: 14.5/23

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

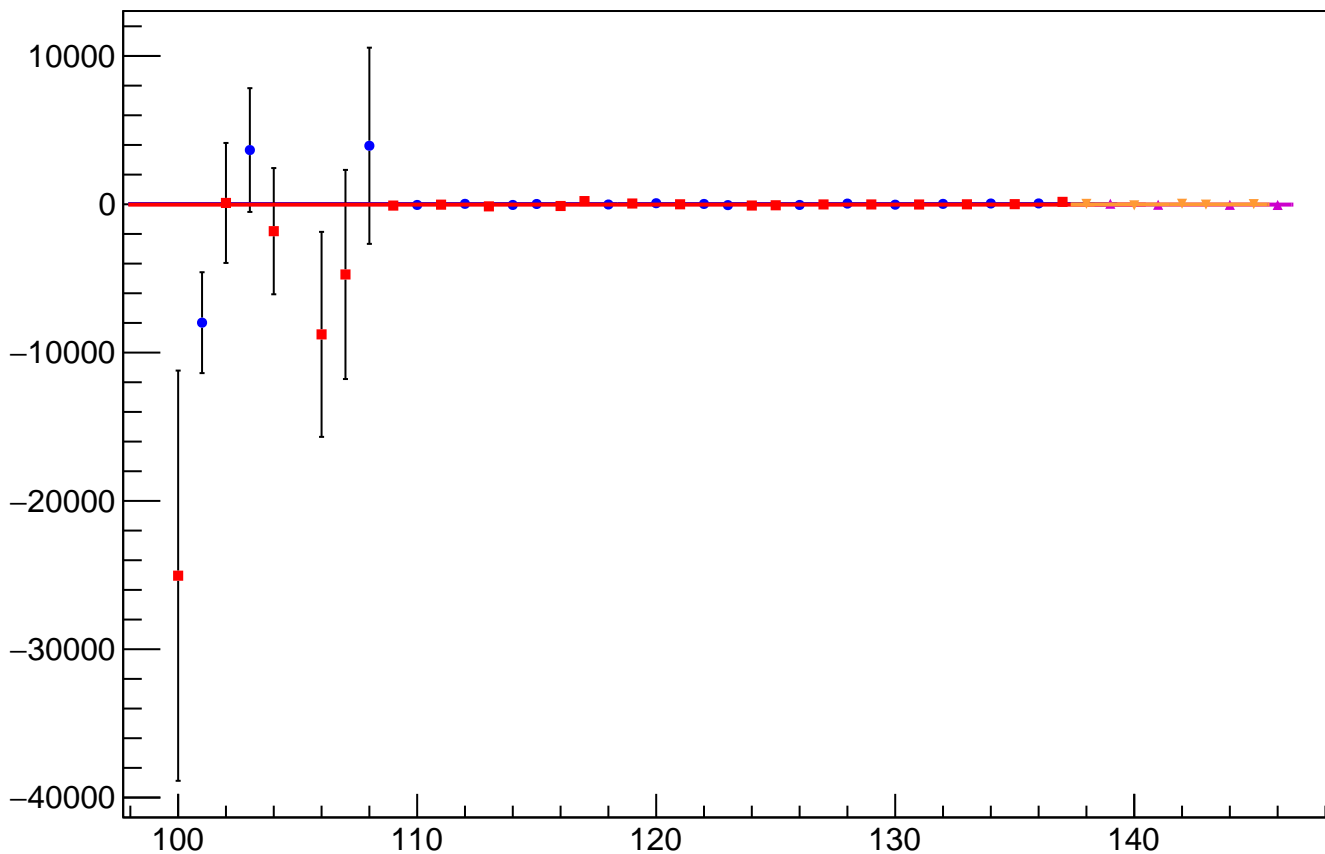
Right Out: 174.207+/-0.057 χ^2/NDF : 4215538.3/19

Left In: 246.420+/-0.099 χ^2/NDF : 163277.4/3

208.219+/-0.053 χ^2/NDF : 3963519.4/21

192.189+/-0.050 χ^2/NDF : 4774885.8/23

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

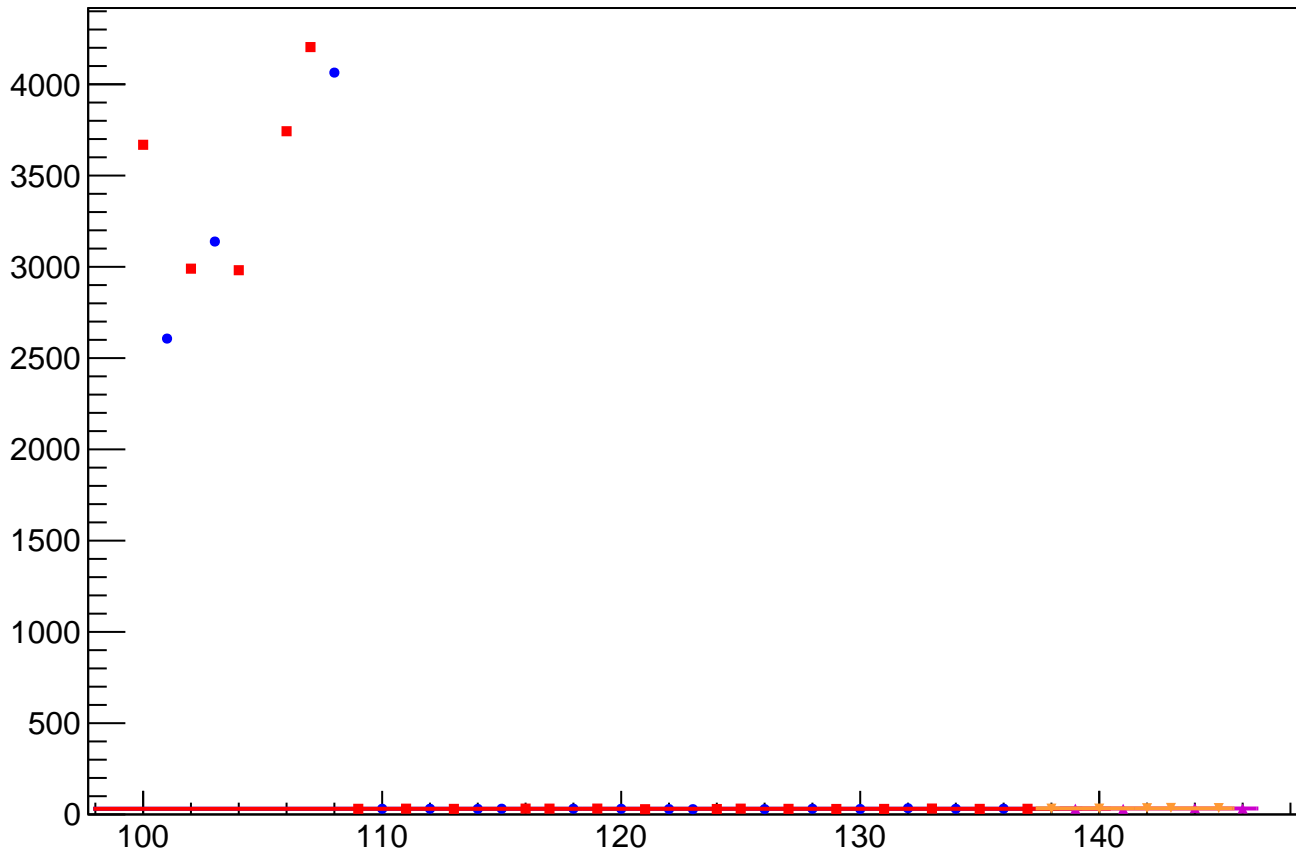
Right Out: -21.490+/-13.601 χ^2 /NDF: 29.9/19

Left In: -21.202+/-18.280 χ^2 /NDF:3.0/3

5.872+/-10.950 χ^2 /NDF: 21.2/21

-21.388+/-10.912 χ^2 /NDF: 32.9/23

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

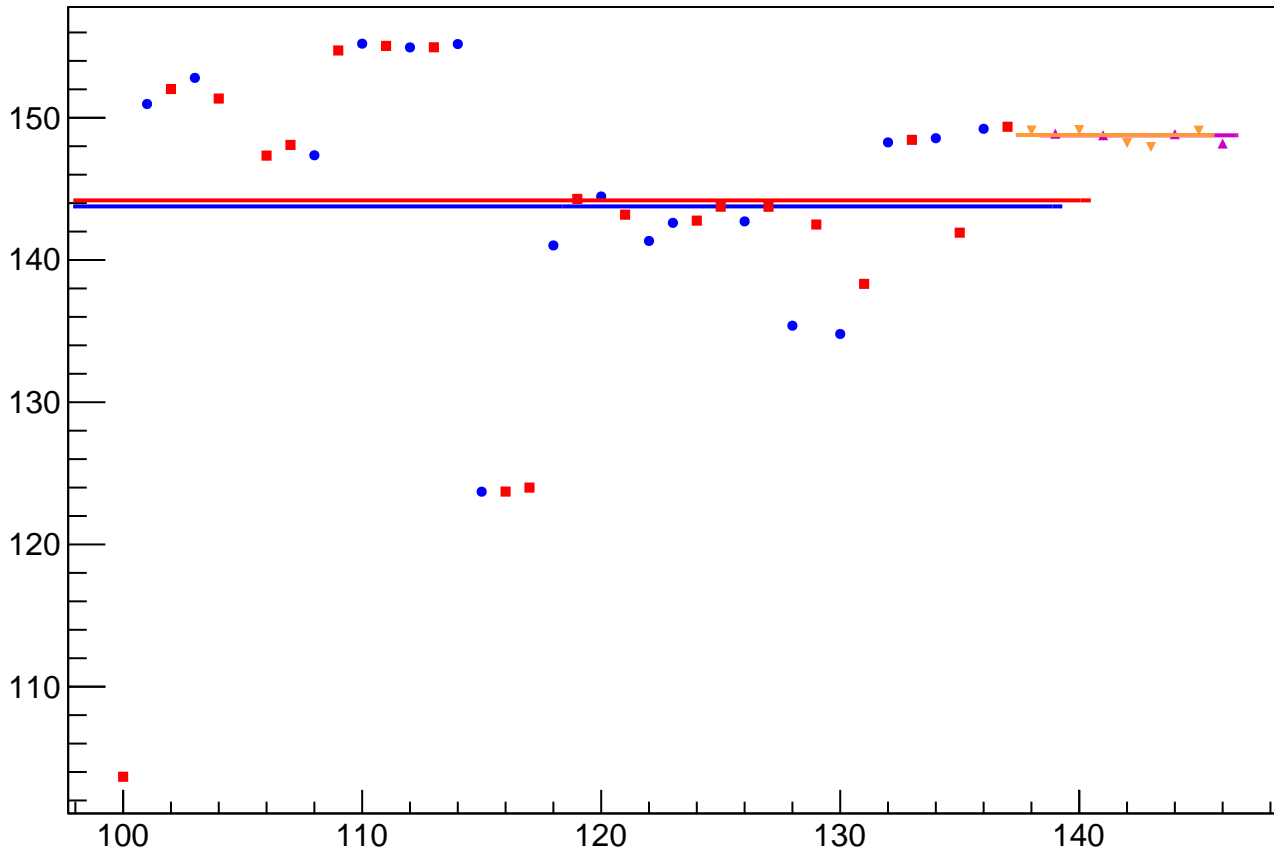
31.953+/-0.008 χ^2 /NDF: 3049771.2/21

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

31.559+/-0.008 χ^2 /NDF: 3484102.2/23

Left In: 32.623+/-0.013 χ^2 /NDF:14566.7/3

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

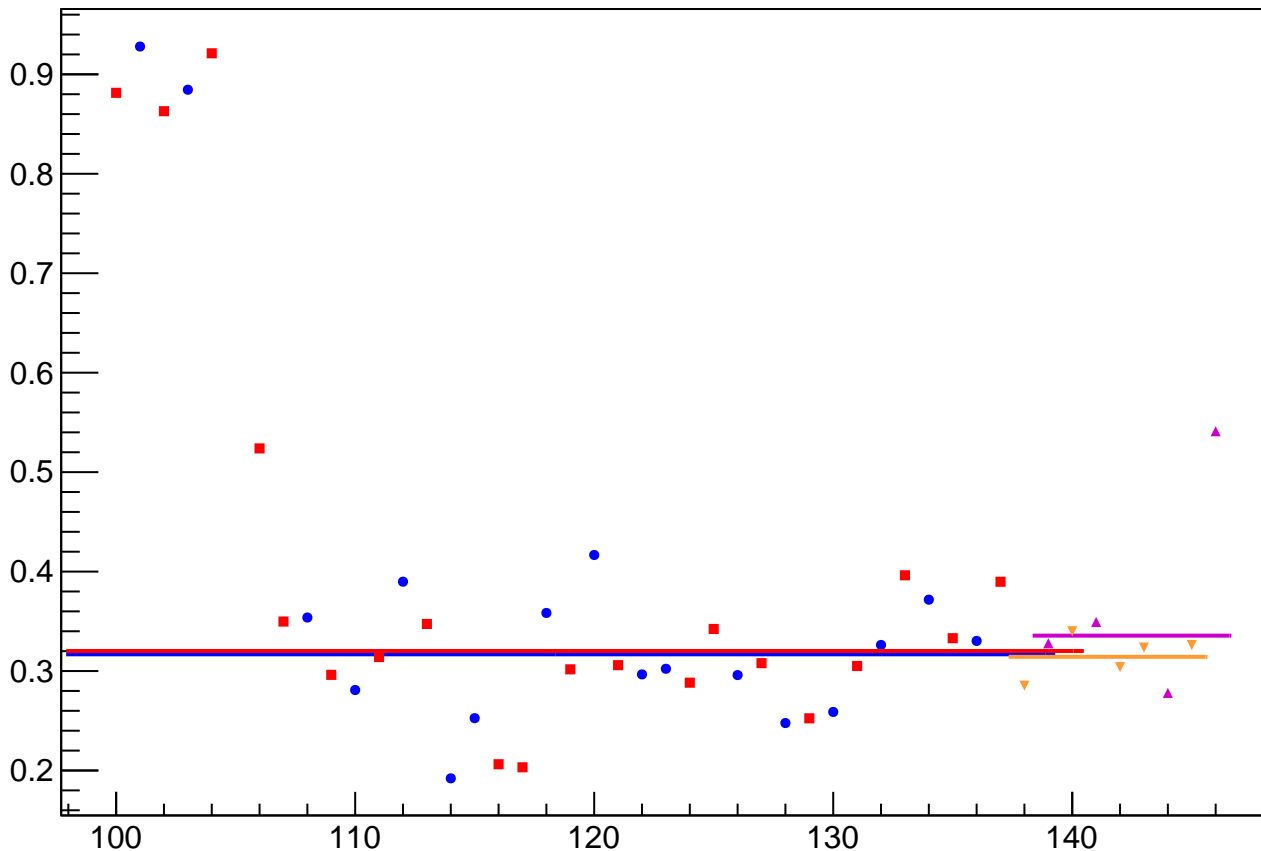
Right Out: 144.192 ± 0.000 χ^2/NDF : 4524049993.1/19

Left In: 148.767 ± 0.000 χ^2/NDF : 1062265.8/3

145.599 ± 0.000 χ^2/NDF : 4051186409.5/21

145.627 ± 0.000 χ^2/NDF : 4901957422.5/23

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

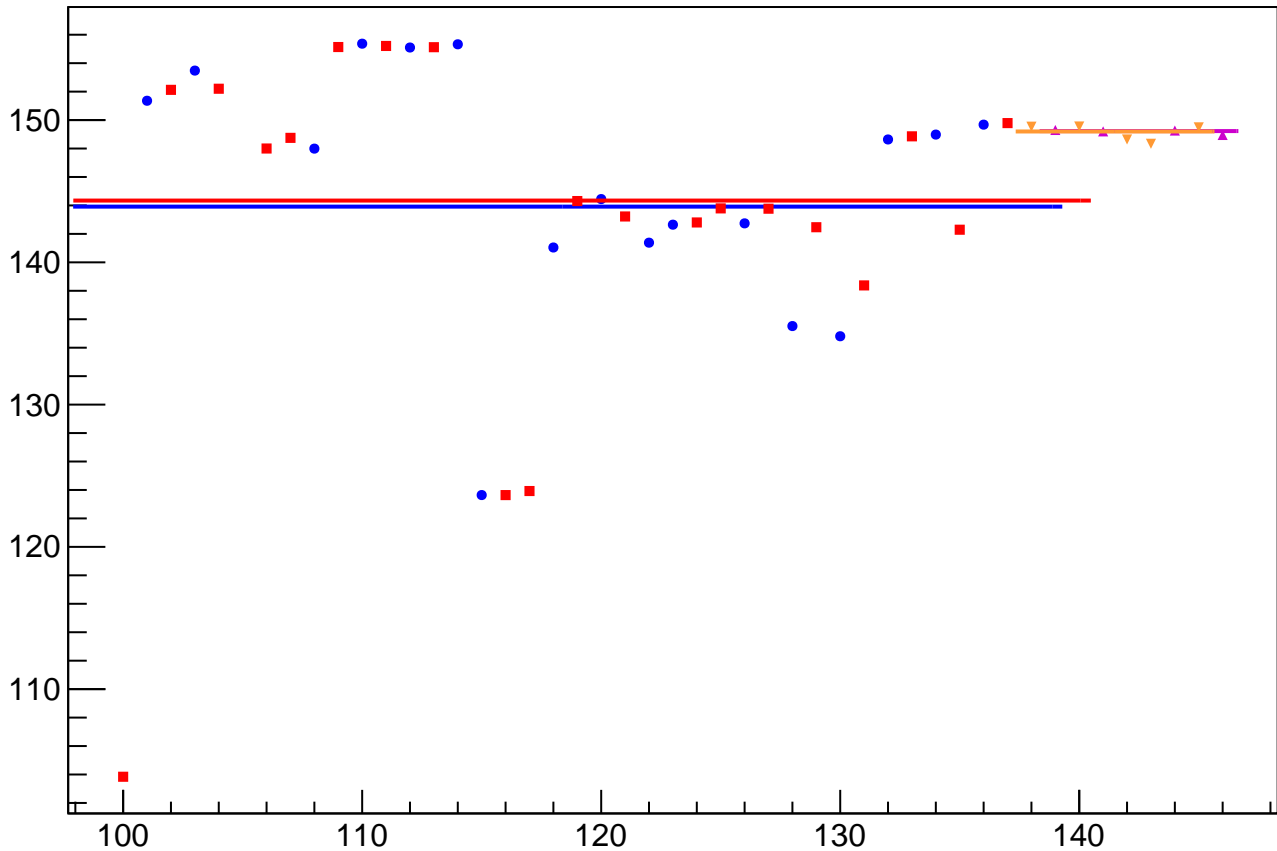
Right Out: 0.320+/-0.000 χ^2/NDF : 1240600.2/19

Left In: 0.336+/-0.000 χ^2/NDF :306467.5/3

0.316+/-0.000 χ^2/NDF : 1306275.2/21

0.325+/-0.000 χ^2/NDF : 1555639.1/23

yield_bcm_an_ds3_mean vs Slug



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

Left Out: 149.199+/-0.000 χ^2/NDF : 7693039.4/4

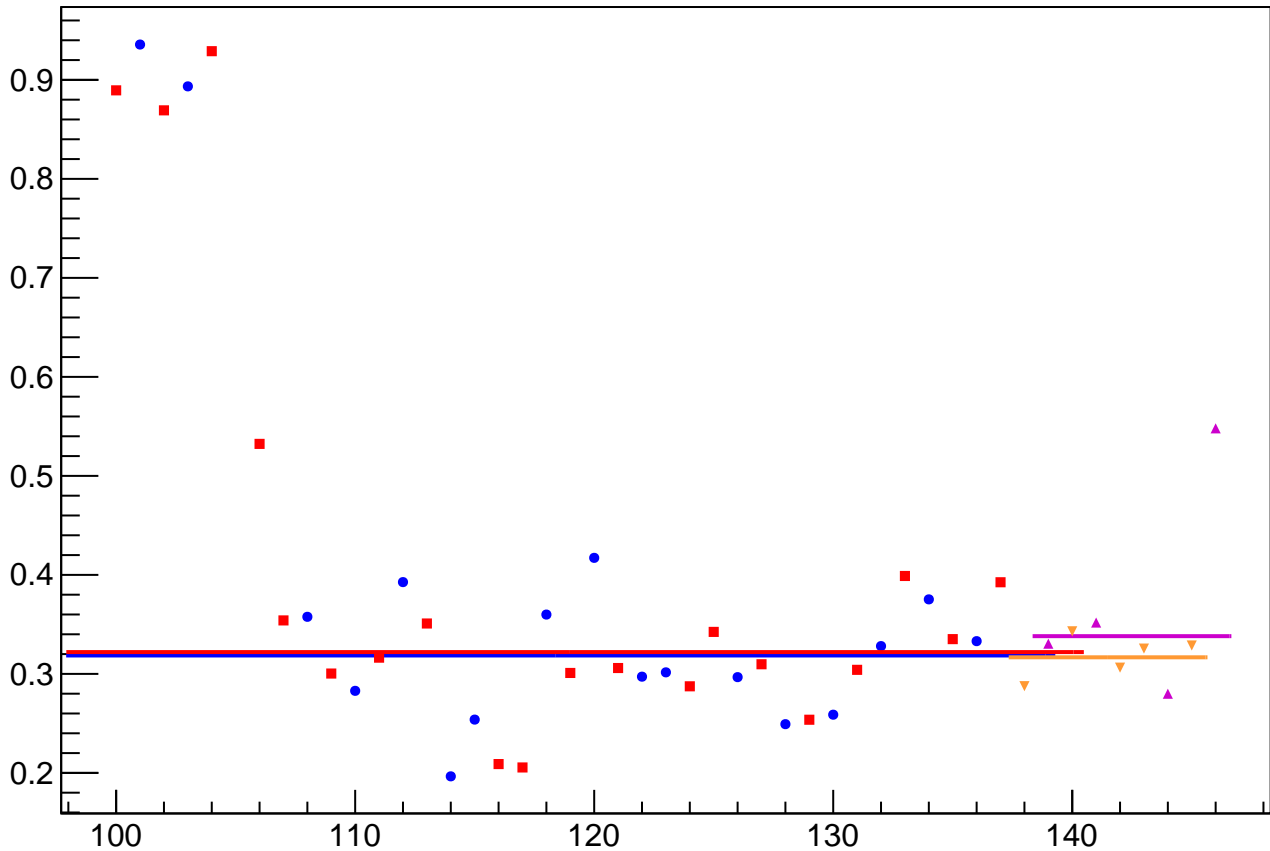
Right Out: 144.342+/-0.000 χ^2/NDF : 4551365931.0/19

Left In: 149.227+/-0.000 χ^2/NDF : 254850.9/3

145.839+/-0.000 χ^2/NDF : 4151117217.4/21

145.870+/-0.000 χ^2/NDF : 4974948244.4/23

yield_bcm_an_ds3_rms vs Slug



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

0.318+/-0.000 χ^2/NDF : 1308334.2/21

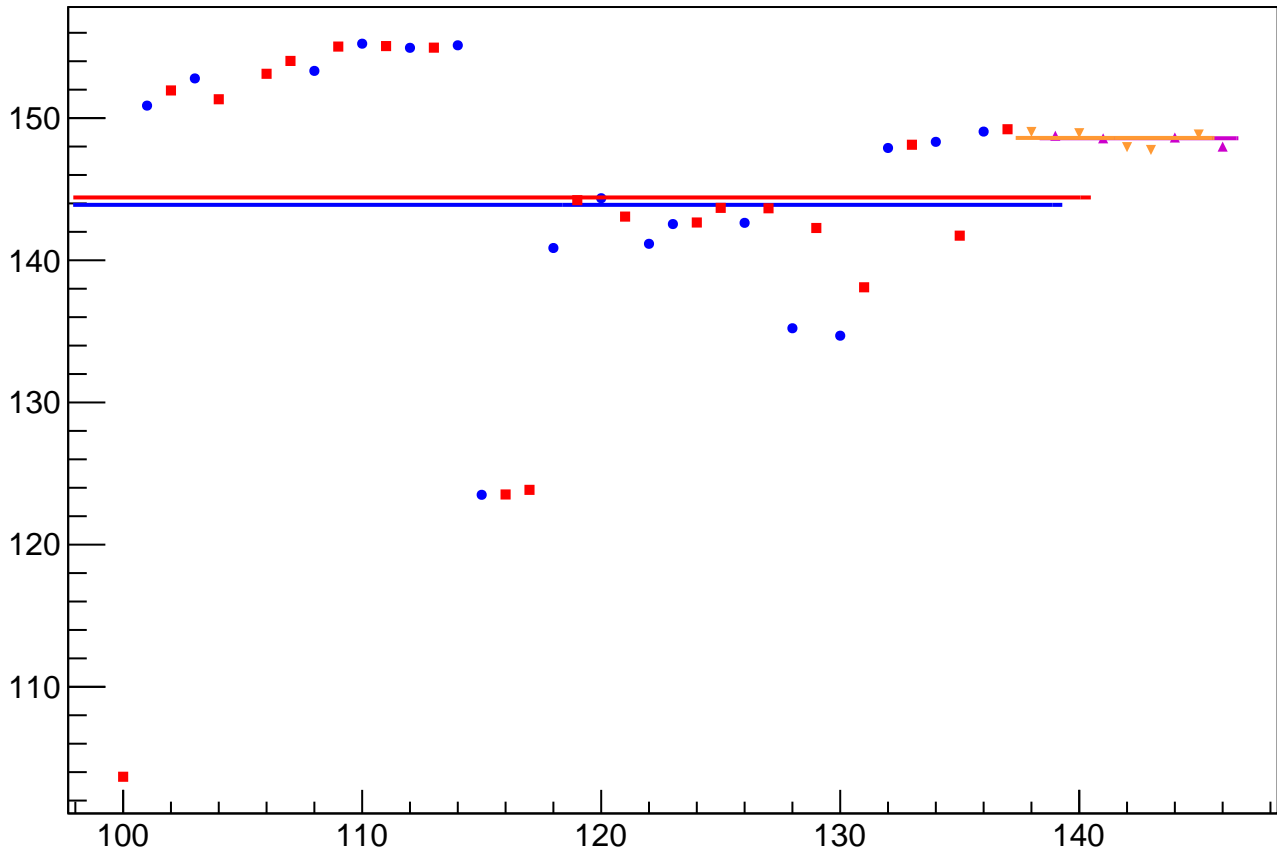
Left Out: 0.317+/-0.000 χ^2/NDF : 27446.8/4

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

0.327+/-0.000 χ^2/NDF : 1562997.2/23

Left In: 0.338+/-0.000 χ^2/NDF : 310706.2/3

yield_bcm_an_us_mean vs Slug



Right In: 143.899 \pm 0.000 χ^2/NDF : 3749888331.0/16

Left Out: 148.606 \pm 0.000 χ^2/NDF : 8347529.7/4

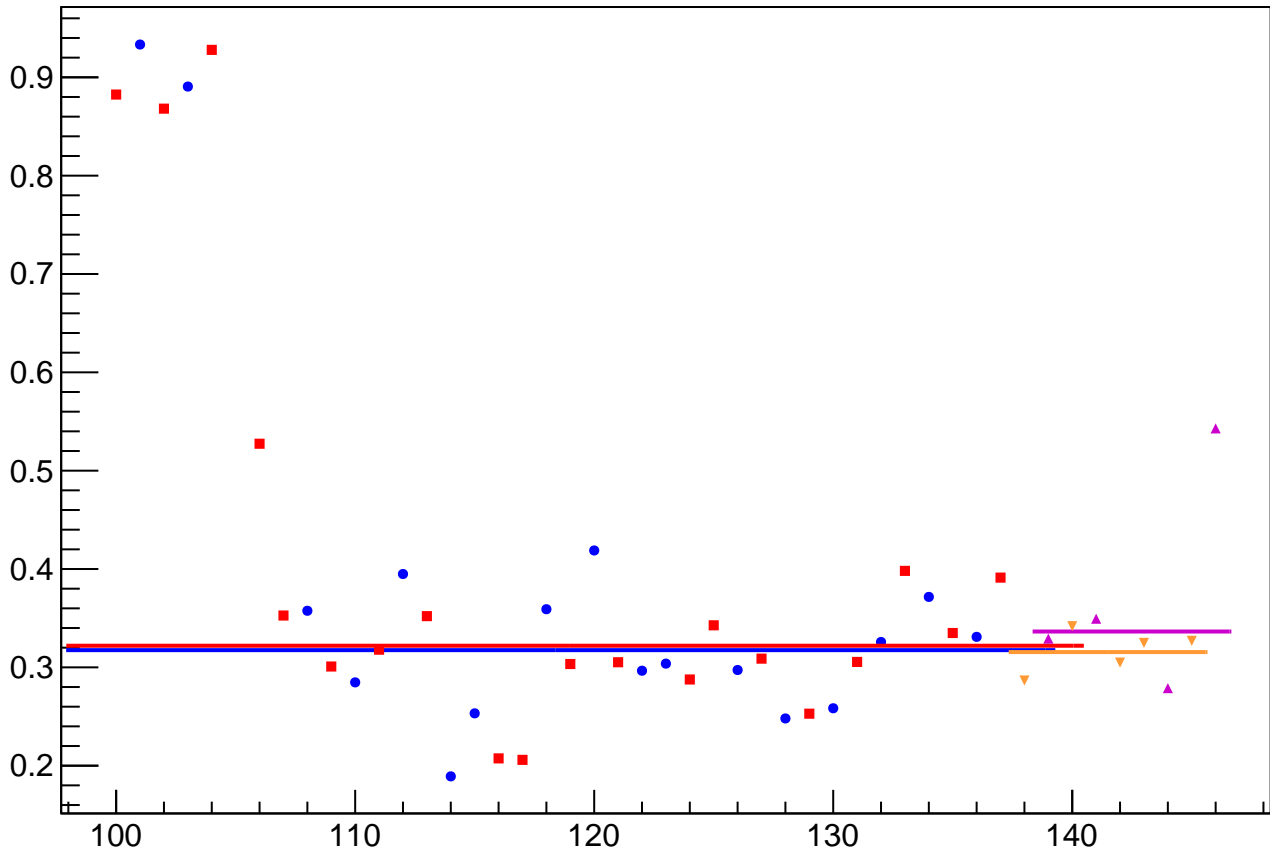
Right Out: 144.419 \pm 0.000 χ^2/NDF : 4820290476.6/19

Left In: 148.583 \pm 0.000 χ^2/NDF : 1166530.0/3

145.614 \pm 0.000 χ^2/NDF : 4204851635.6/21

145.731 \pm 0.000 χ^2/NDF : 5131511618.4/23

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

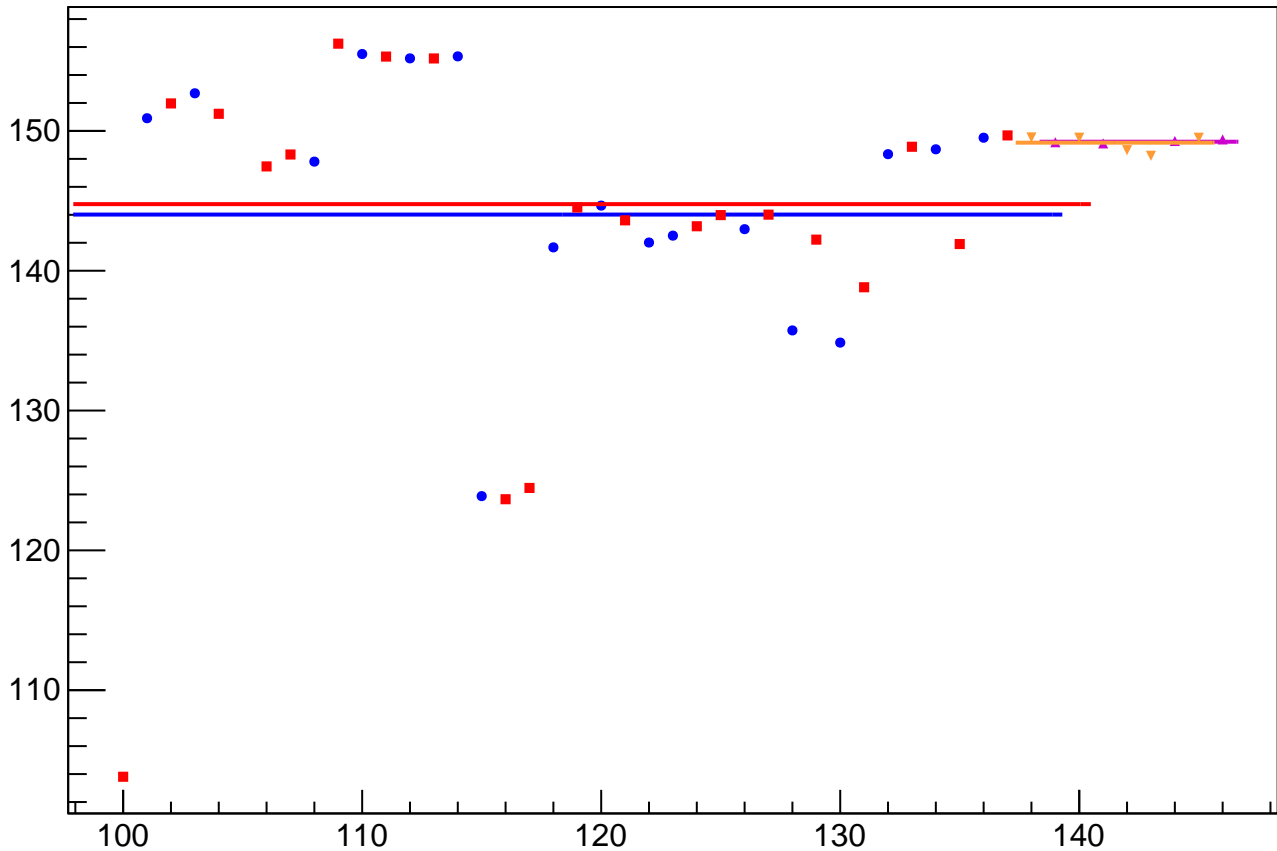
Right Out: 0.322+/-0.000 χ^2/NDF : 1243703.4/19

Left In: 0.336+/-0.000 χ^2/NDF : 306493.6/3

0.317+/-0.000 χ^2/NDF : 1320728.0/21

0.327+/-0.000 χ^2/NDF : 1557658.7/23

yield_bcm_dg_us_mean vs Slug



Right In: 144.018 ± 0.000 $\chi^2/NDF: 3238525527.6/16$

Left Out: 149.160 ± 0.000 $\chi^2/NDF: 7976719.7/4$

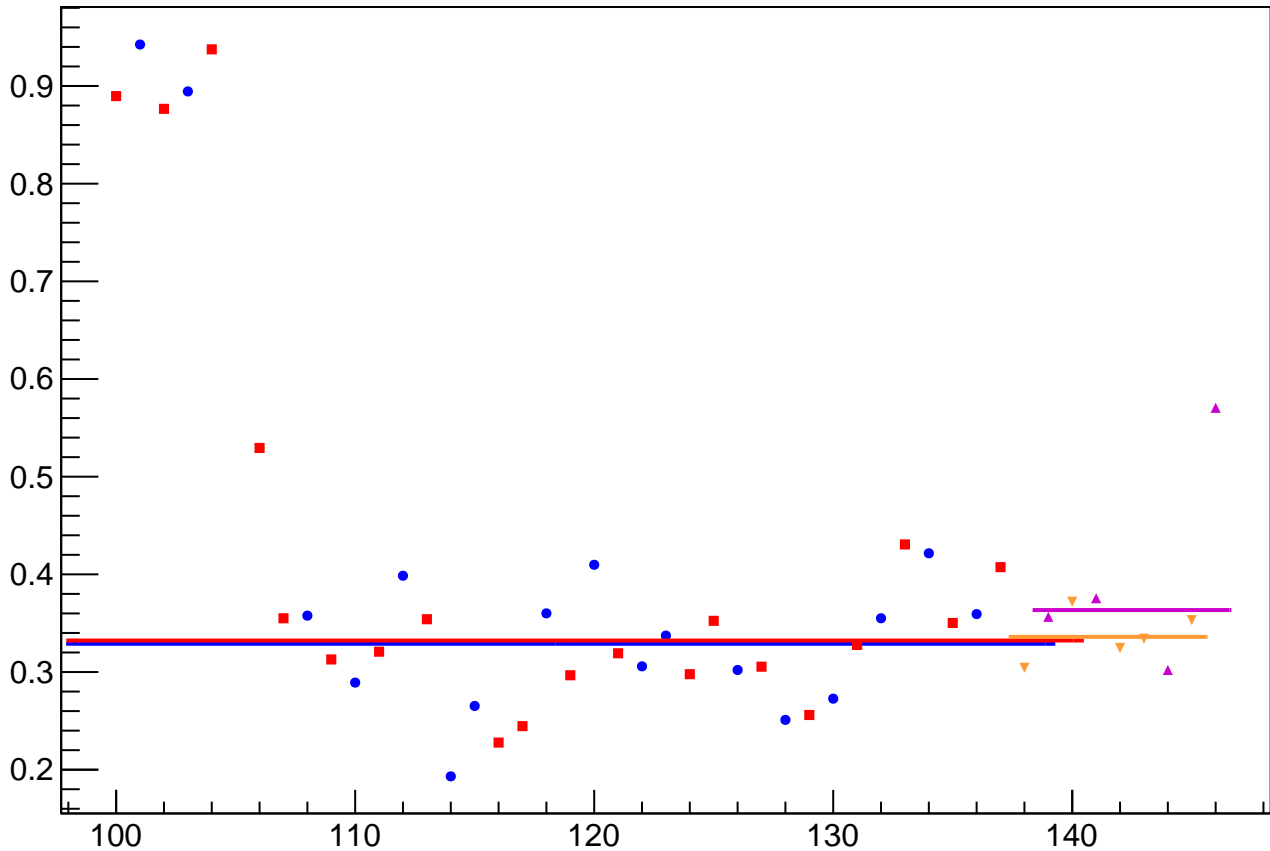
Right Out: 144.764 ± 0.000 $\chi^2/NDF: 4098462011.9/19$

Left In: 149.227 ± 0.000 $\chi^2/NDF: 180654.5/3$

145.815 ± 0.000 $\chi^2/NDF: 3721470954.5/21$

146.078 ± 0.000 $\chi^2/NDF: 4411442356.5/23$

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 \pm 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.336 \pm 0.000 χ^2/NDF :33882.6/4

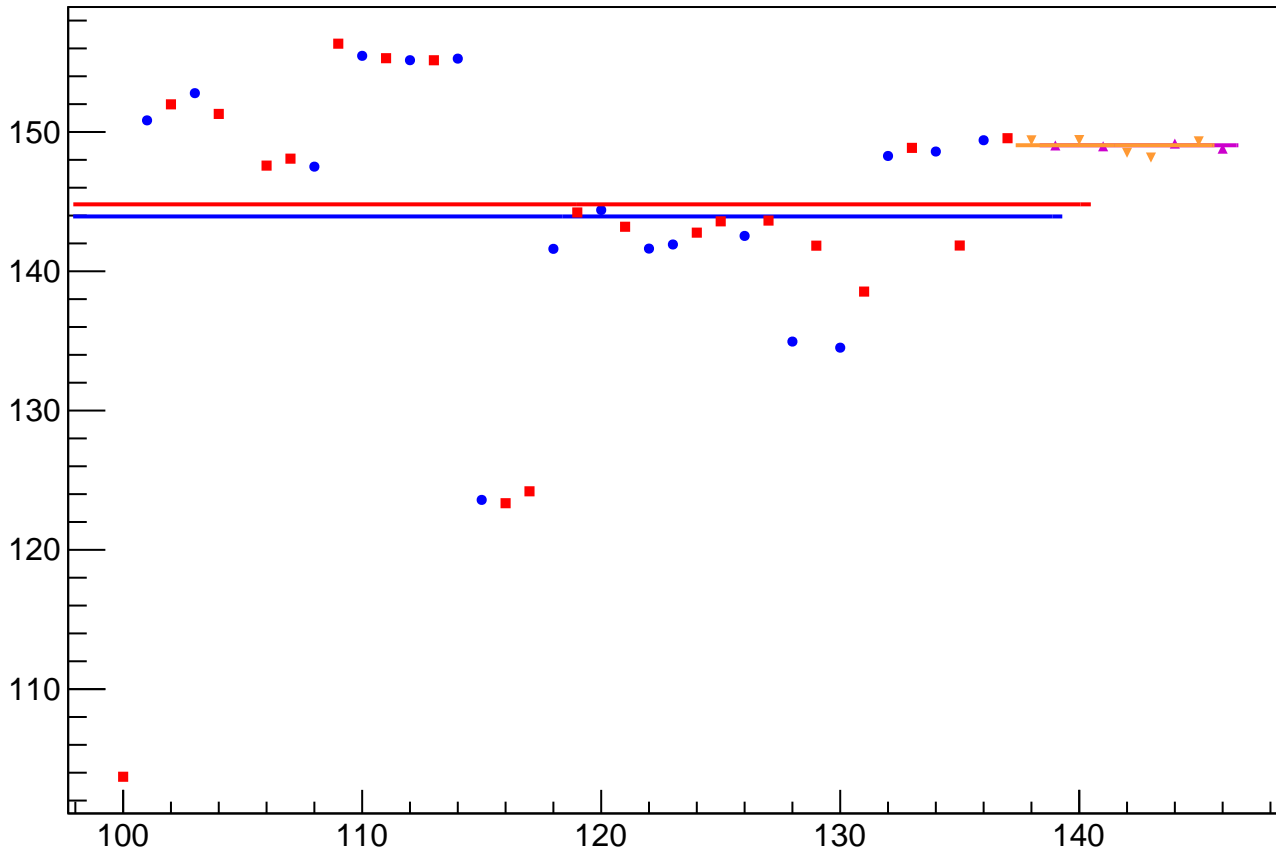
Right Out: 0.332 \pm 0.000 χ^2/NDF : 1191637.2/19

Left In: 0.363 \pm 0.000 χ^2/NDF :280116.7/3

0.331 \pm 0.000 χ^2/NDF : 1311791.2/21

0.341 \pm 0.000 χ^2/NDF : 1502233.6/23

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

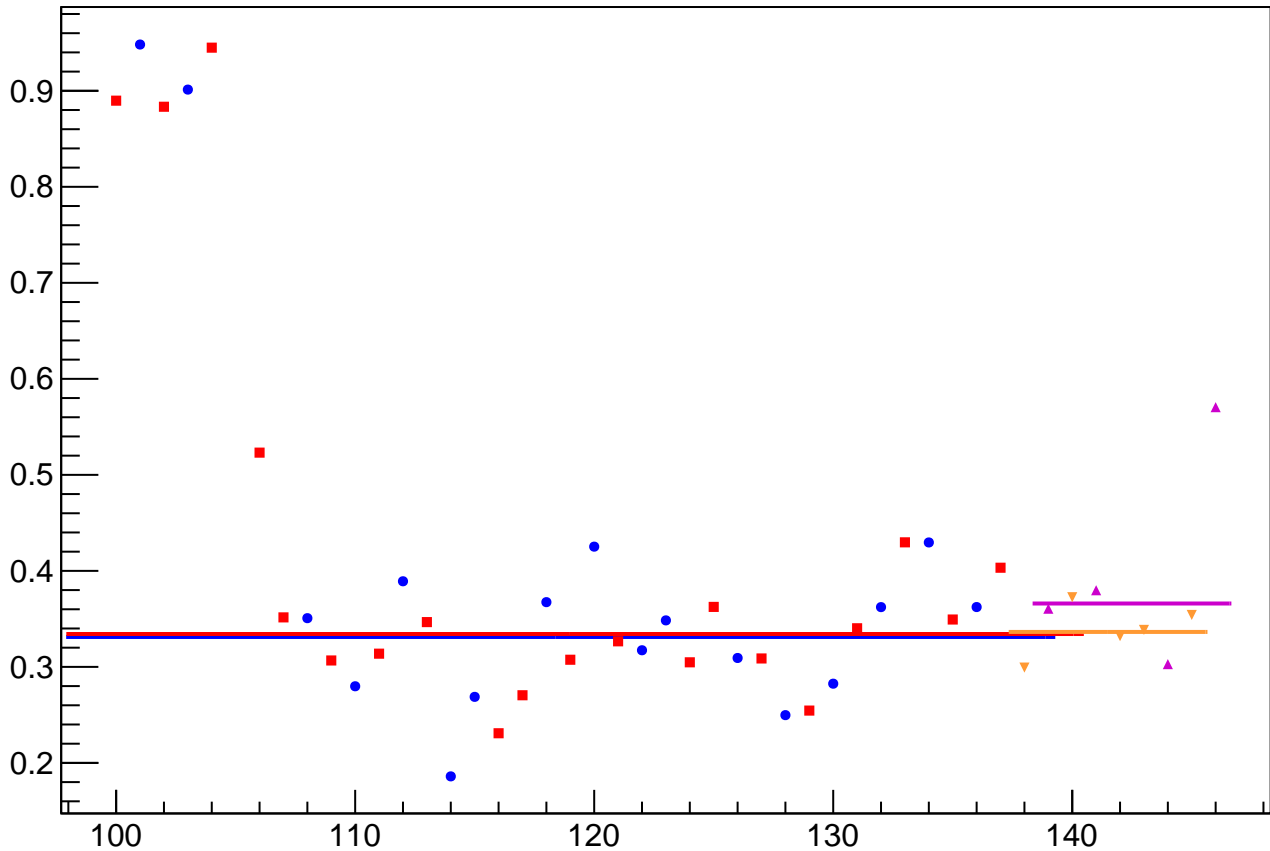
Right Out: 144.806+/-0.000 χ^2/NDF : 4139087143.3/19

Left In: 149.047+/-0.000 χ^2/NDF : 303927.1/3

145.735+/-0.000 χ^2/NDF : 3850543747.3/21

146.049+/-0.000 χ^2/NDF : 4416903049.1/23

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

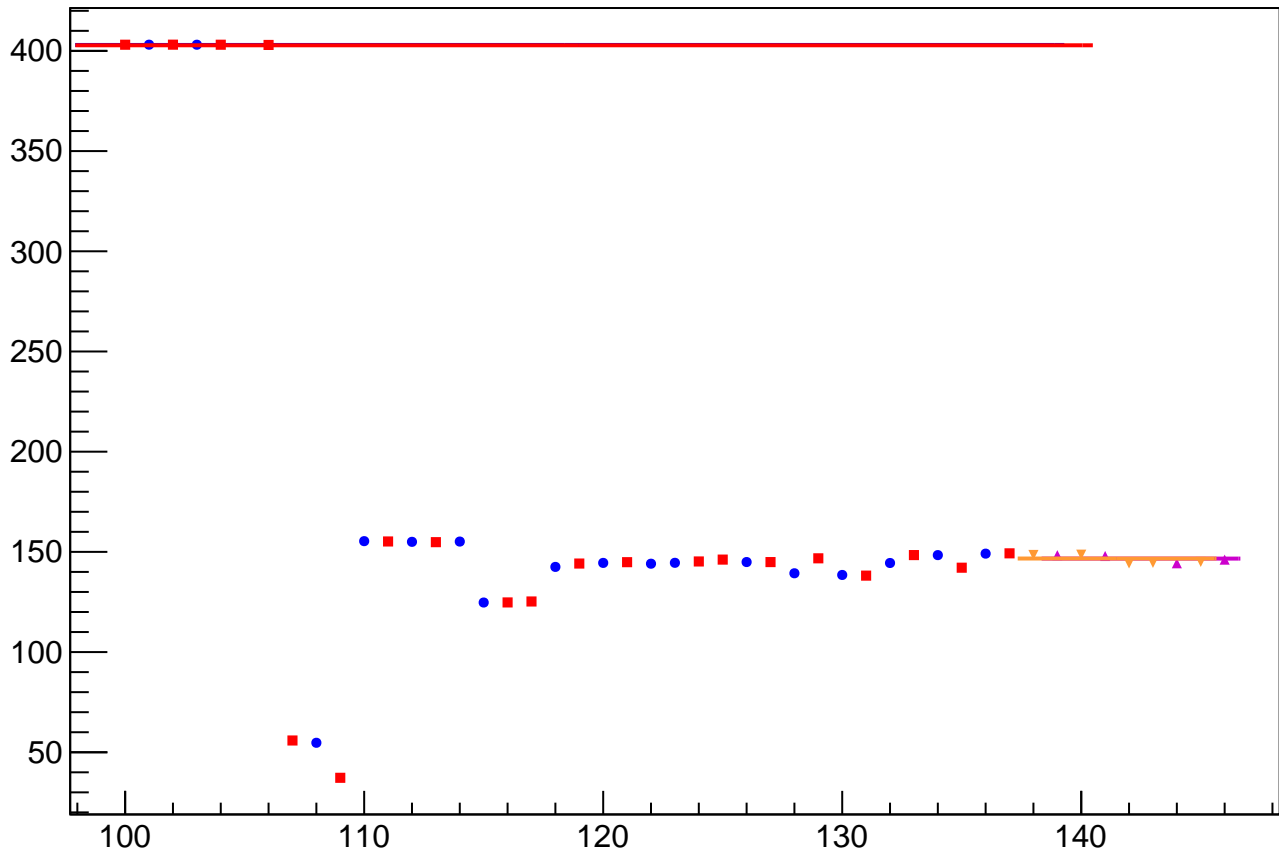
Right Out: 0.334+/-0.000 χ^2/NDF : 1176170.4/19

Left In: 0.366+/-0.000 χ^2/NDF : 277637.5/3

0.333+/-0.000 χ^2/NDF : 1336157.4/21

0.344+/-0.000 χ^2/NDF : 1484957.8/23

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

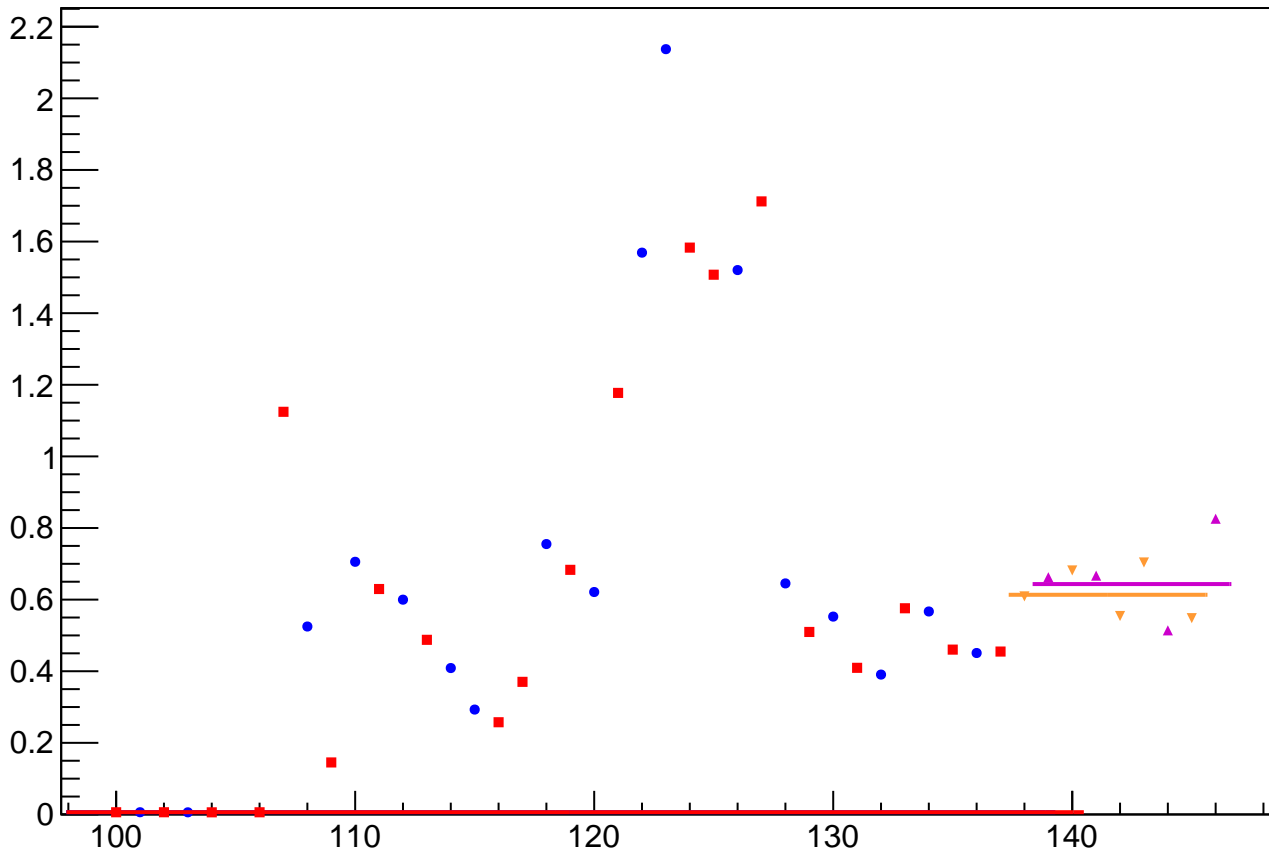
Right Out: 402.797+/-0.000 χ^2/NDF : 3122752044607.2/19

Left In: 146.647+/-0.000 χ^2/NDF : 15350644.9/3

402.909+/-0.000 χ^2/NDF : 1483160780652.4/2

402.759+/-0.000 χ^2/NDF : 3465100858190.9/23

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

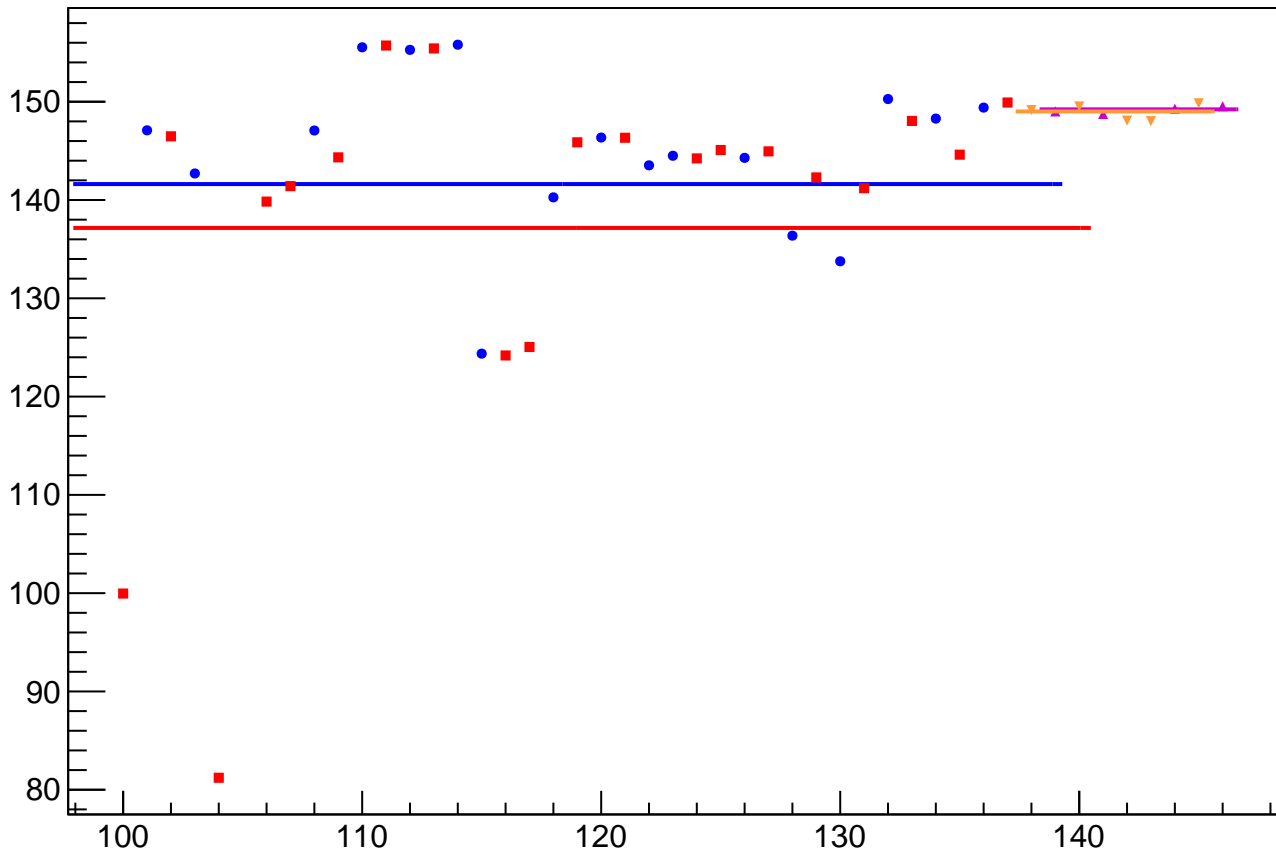
Right Out: 0.006+/-0.000 χ^2/NDF : 9277290.2/19

Left In: 0.643+/-0.000 χ^2/NDF :110678.4/3

0.006+/-0.000 χ^2/NDF : 13540023.6/21

0.006+/-0.000 χ^2/NDF : 13623697.9/23

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

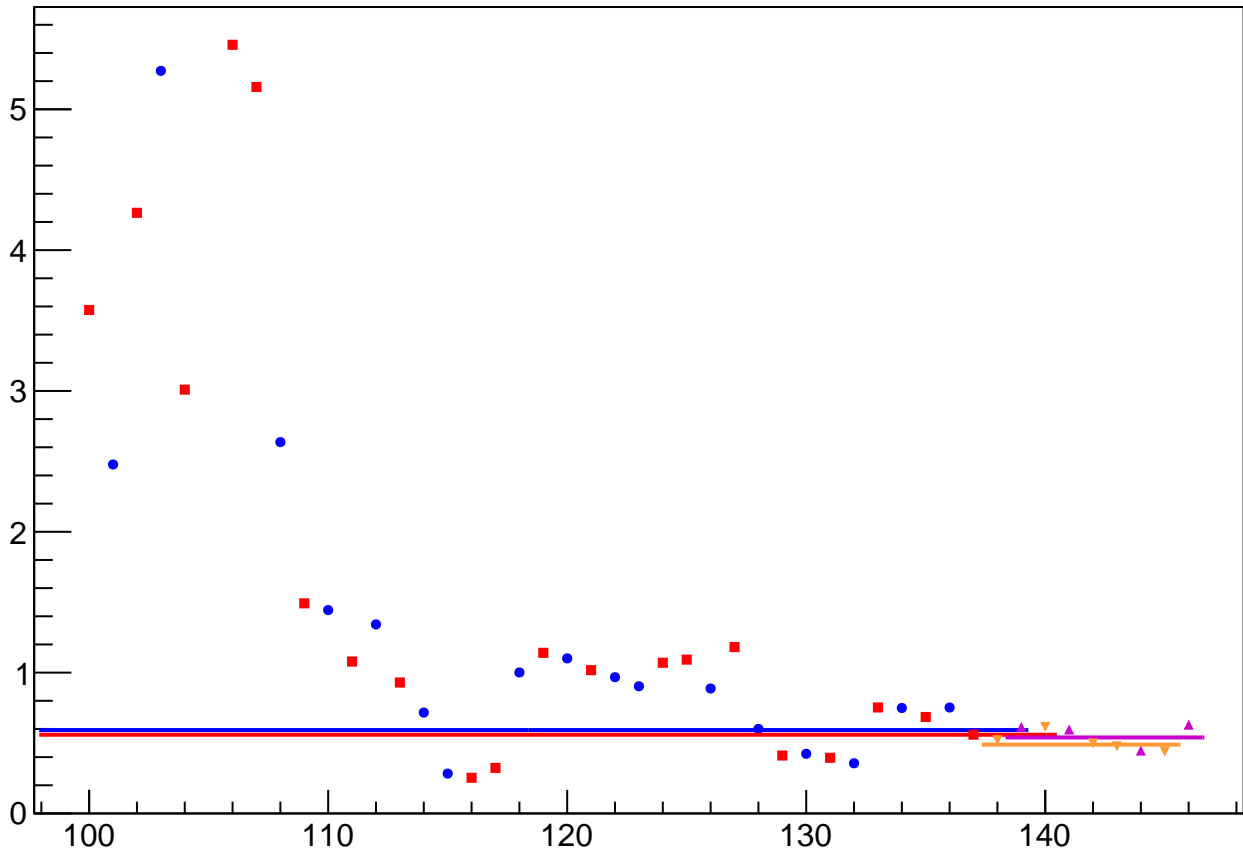
Right Out: 137.160+/-0.000 χ^2/NDF : 1365742338.8/19

Left In: 149.224+/-0.000 χ^2/NDF : 569461.6/3

145.319+/-0.000 χ^2/NDF : 1264928795.5/21

142.296+/-0.000 χ^2/NDF : 2044923693.3/23

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

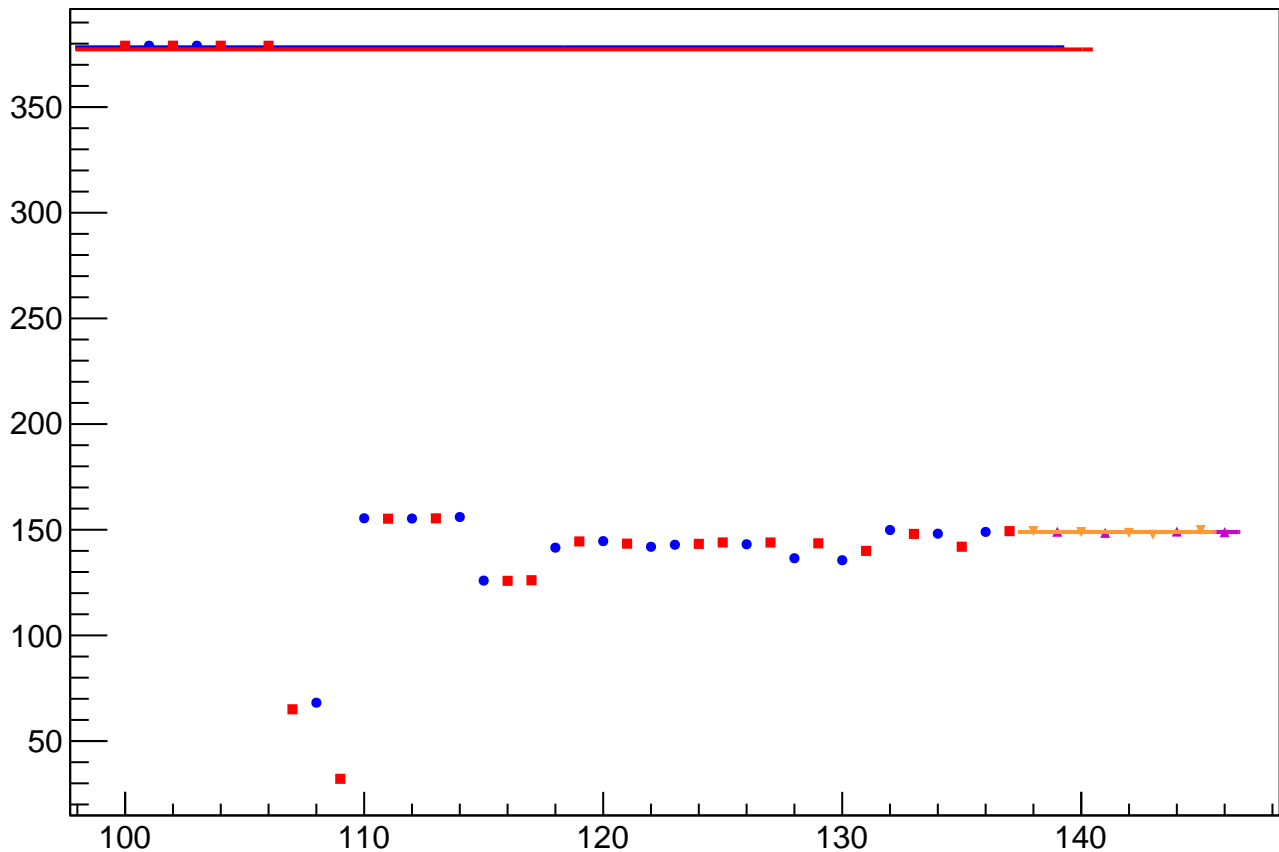
Right Out: 0.559+/-0.000 χ^2/NDF : 4719868.1/19

Left In: 0.540+/-0.000 χ^2/NDF : 117313.8/3

0.541+/-0.000 χ^2/NDF : 3689241.4/21

0.551+/-0.000 χ^2/NDF : 4840595.5/23

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

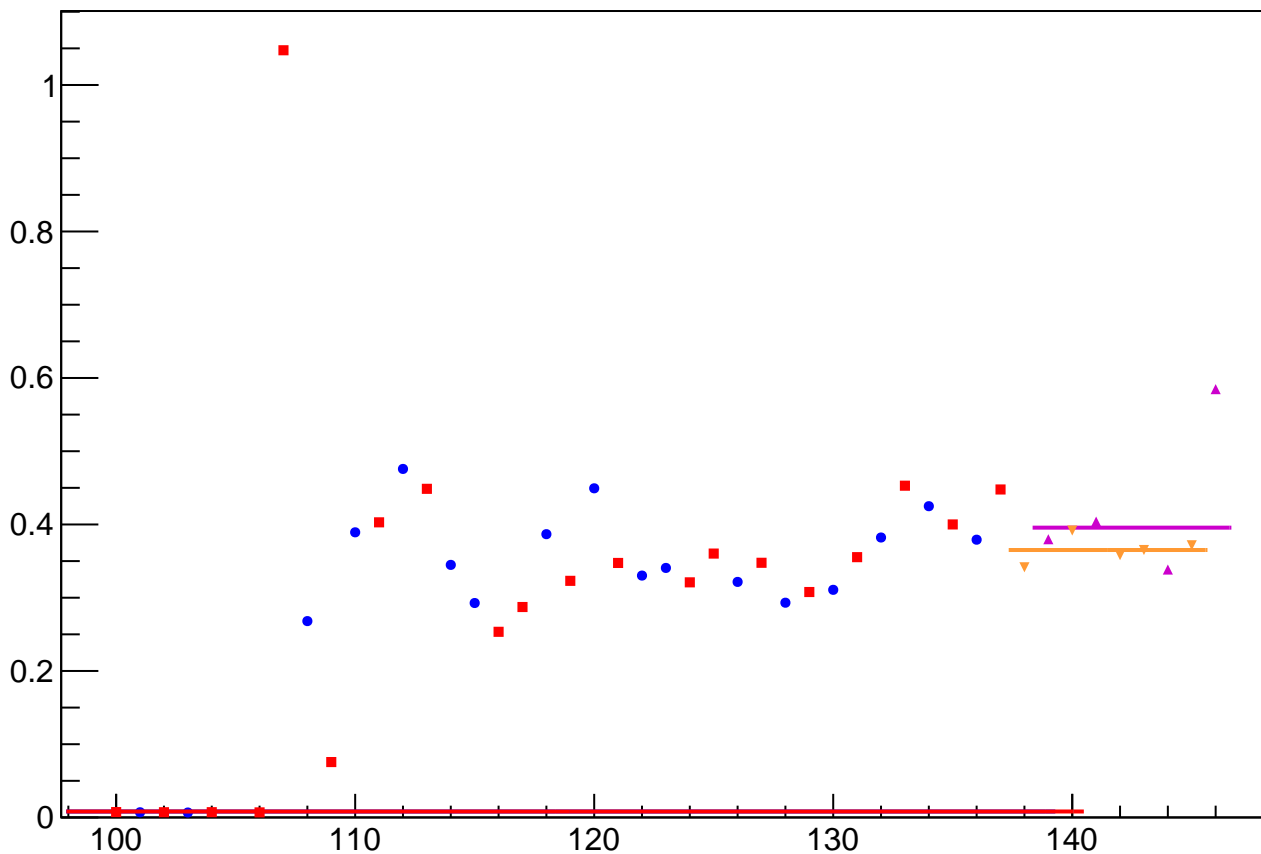
Right Out: 377.282+/-0.000 χ^2/NDF : 8306405788315.4/19

Left In: 148.938+/-0.000 χ^2/NDF : 1180726.2/3

377.870+/-0.000 χ^2/NDF : 3769129786939.0/2

376.993+/-0.000 χ^2/NDF : 9307707839273.0/2

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

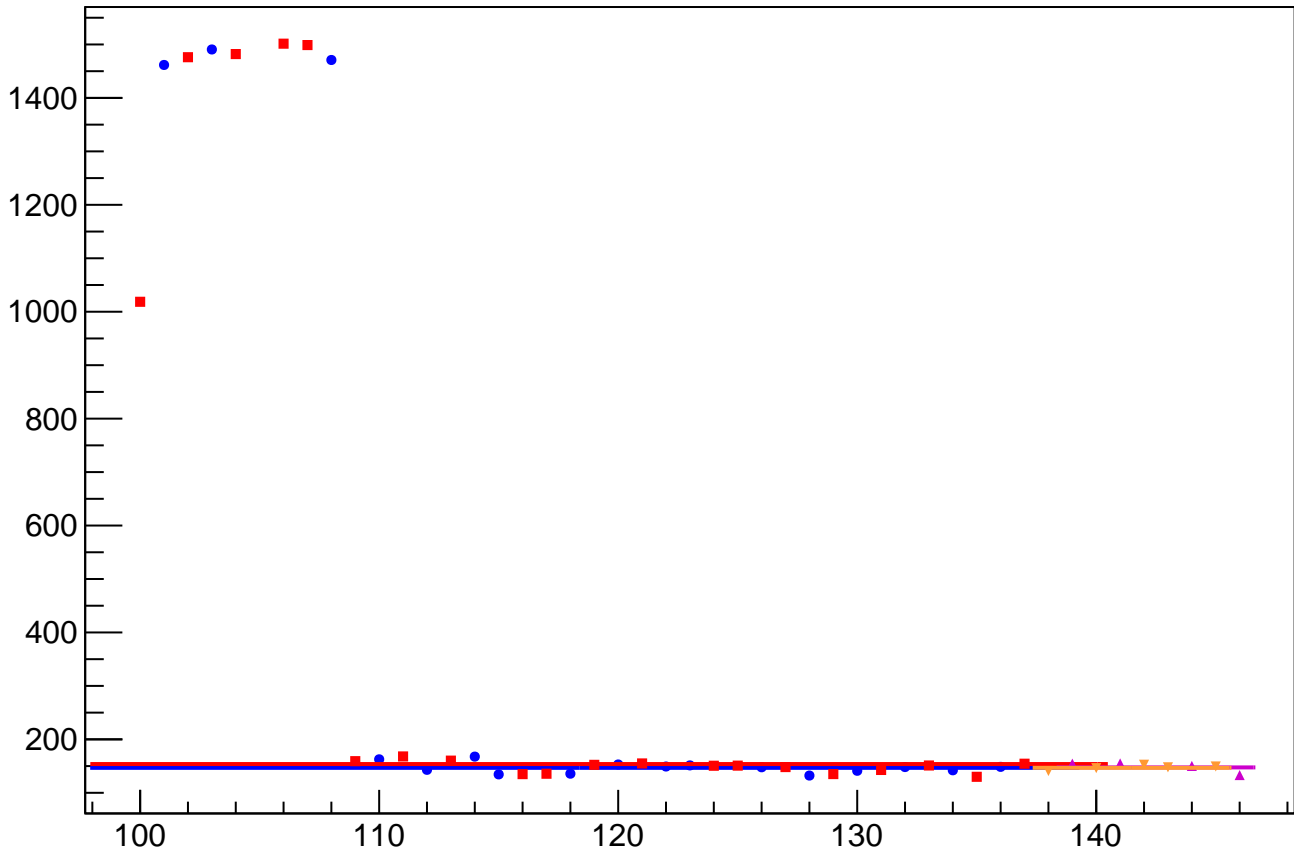
Right Out: 0.008+/-0.000 χ^2/NDF : 9601959.4/19

Left In: 0.396+/-0.000 χ^2/NDF :219119.2/3

0.009+/-0.000 χ^2/NDF : 15992033.3/21

0.009+/-0.000 χ^2/NDF : 15588366.0/23

yield_bcm0l02_mean vs Slug



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

146.728+/-0.000 χ^2/NDF : 24396576473.9/21

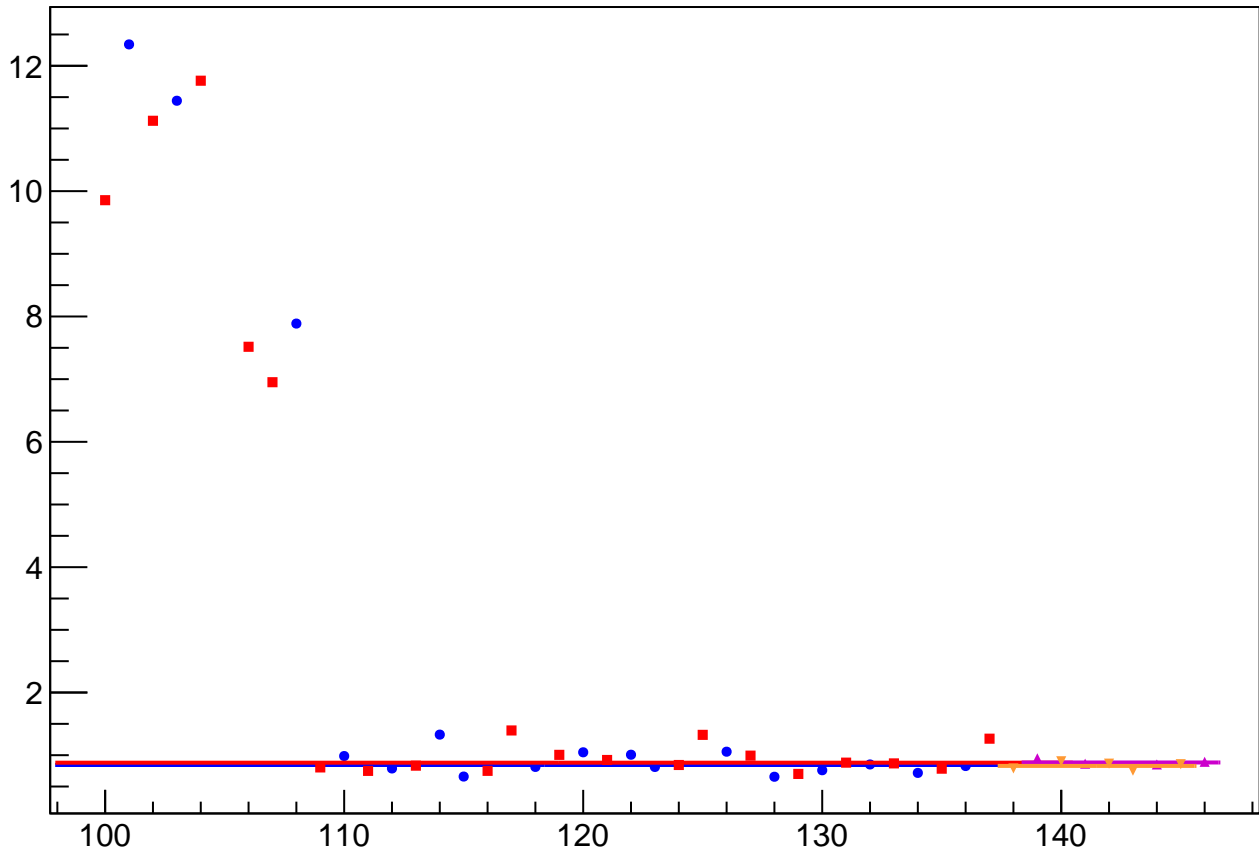
Left Out: 146.736+/-0.001 χ^2/NDF : 45705562.5/4

Right Out: 153.818+/-0.000 χ^2/NDF : 3374477744.4/19

151.487+/-0.000 χ^2/NDF : 34079357786.2/23

Left In: 147.511+/-0.001 χ^2/NDF : 256490508.1/3

yield_bcm0l02_rms vs Slug



Right In: 0.844 ± 0.000 $\chi^2/\text{NDF}: 2670470.7/16$

0.838 ± 0.000 $\chi^2/\text{NDF}: 2691818.9/21$

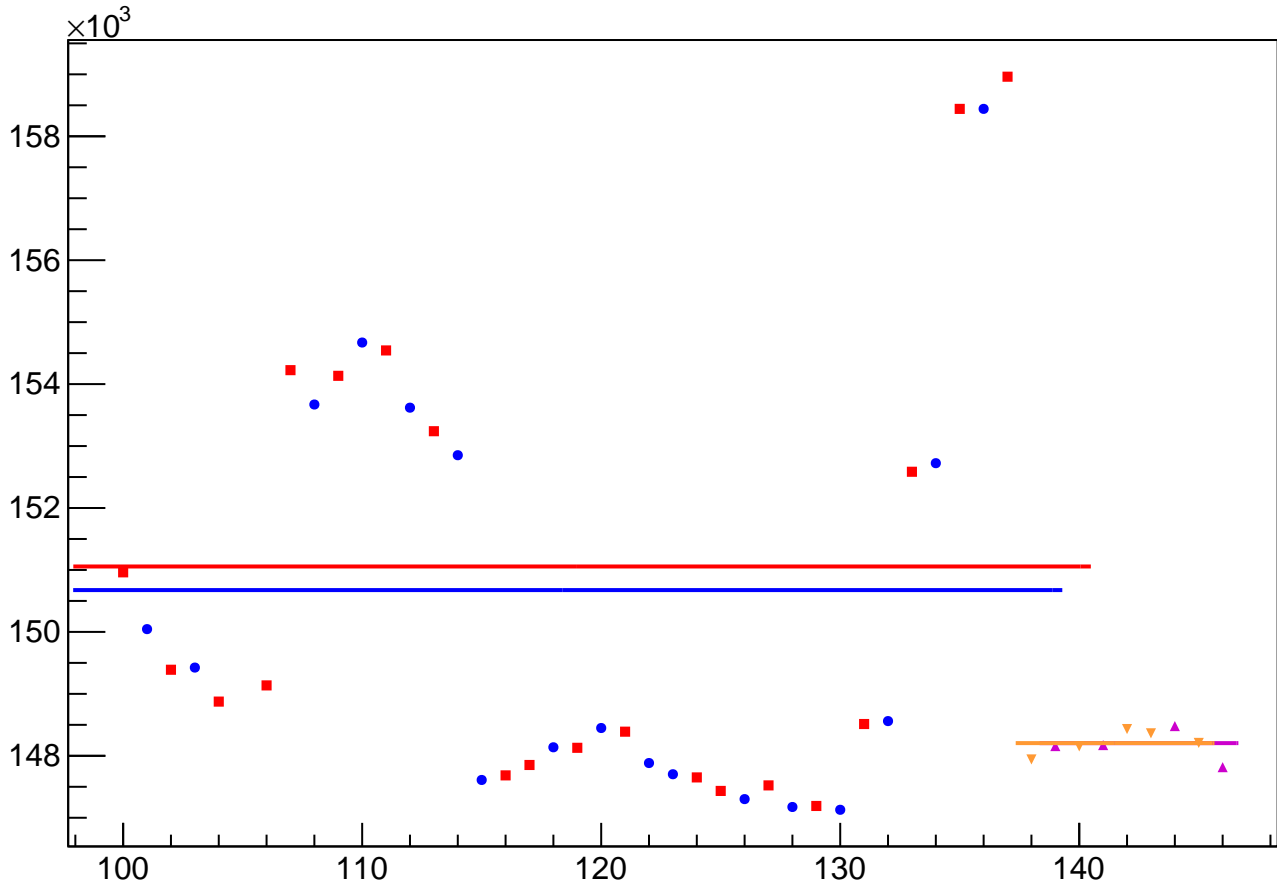
Left Out: 0.829 ± 0.000 $\chi^2/\text{NDF}: 20459.3/4$

Right Out: 0.880 ± 0.000 $\chi^2/\text{NDF}: 2823230.1/19$

0.882 ± 0.000 $\chi^2/\text{NDF}: 2830493.6/23$

Left In: 0.884 ± 0.000 $\chi^2/\text{NDF}: 7215.3/3$

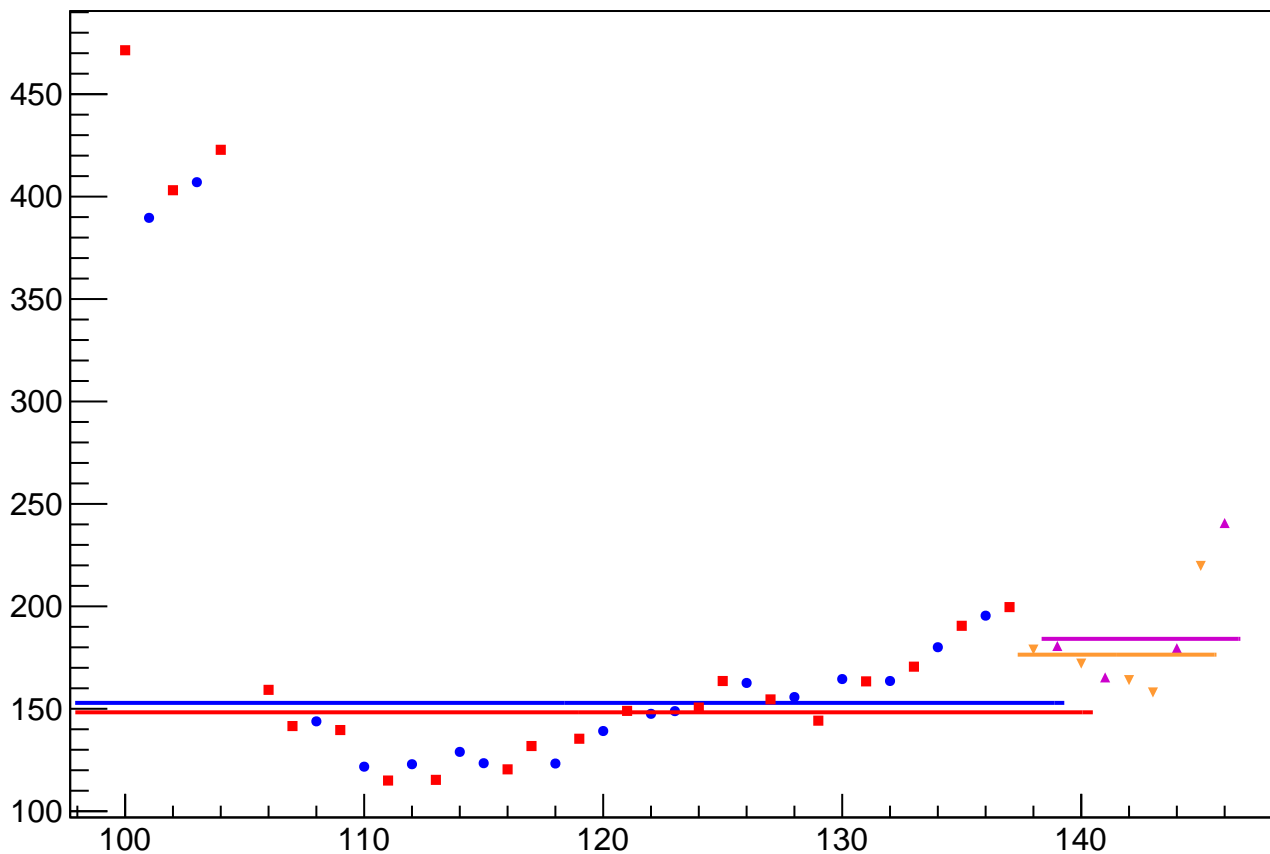
yield_bpm0i01WS_mean vs Slug



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: 148204.744 \pm 0.105 χ^2 /NDF:4109234.0/3

149958.218 \pm 0.053 χ^2 /NDF: 3759609969.7/2
 150361.133 \pm 0.052 χ^2 /NDF: 3890439821.6/23

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

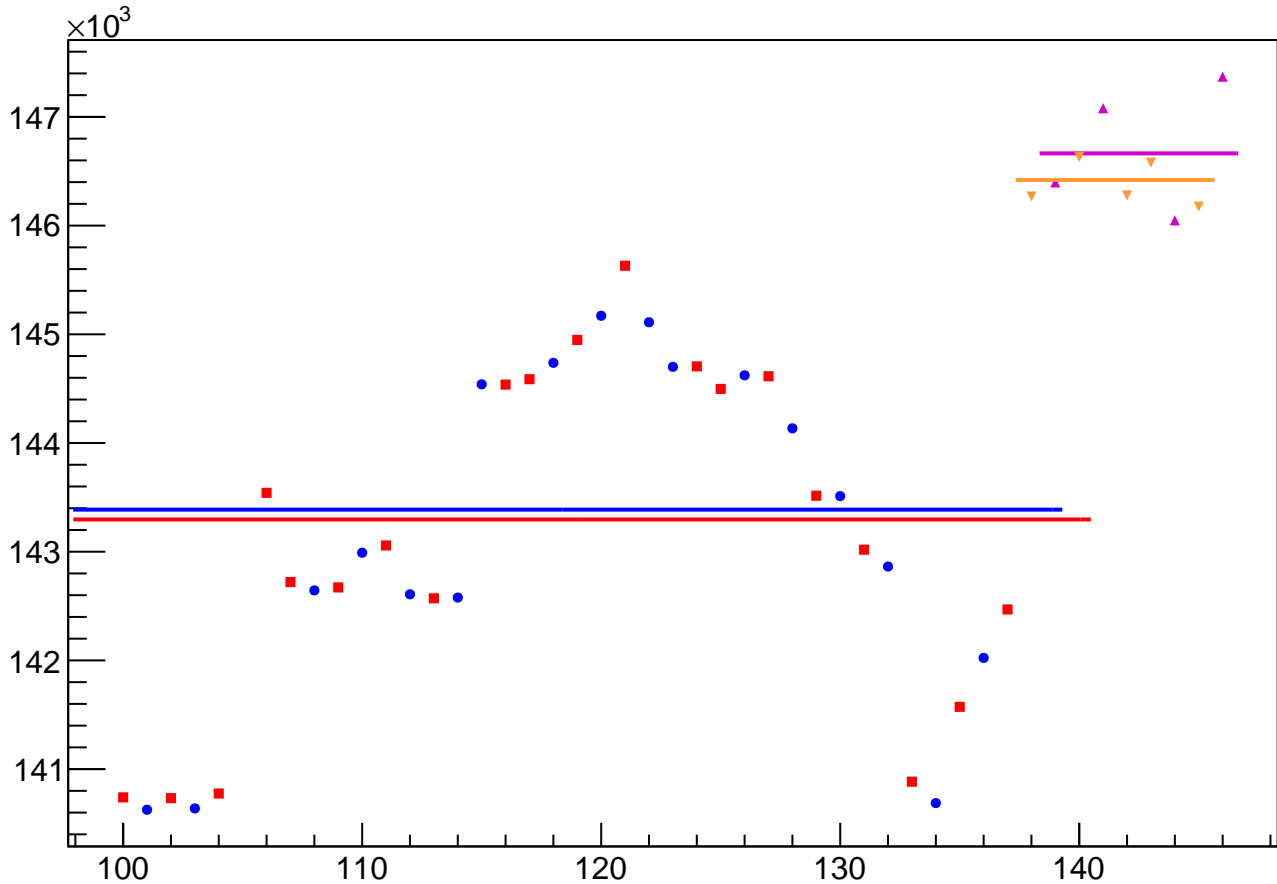
159.713+/-0.038 χ^2/NDF : 1316525.6/21

Right Out: 148.278+/-0.042 χ^2/NDF : 1192879.8/19

157.018+/-0.037 χ^2/NDF : 1480459.6/23

Left In: 184.140+/-0.074 χ^2/NDF : 110149.3/3

yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099 +/- 0.053 χ^2 /NDF: 521299875.7/16

Left Out: 146419.602 +/- 0.098 χ^2 /NDF: 3547711.7/4

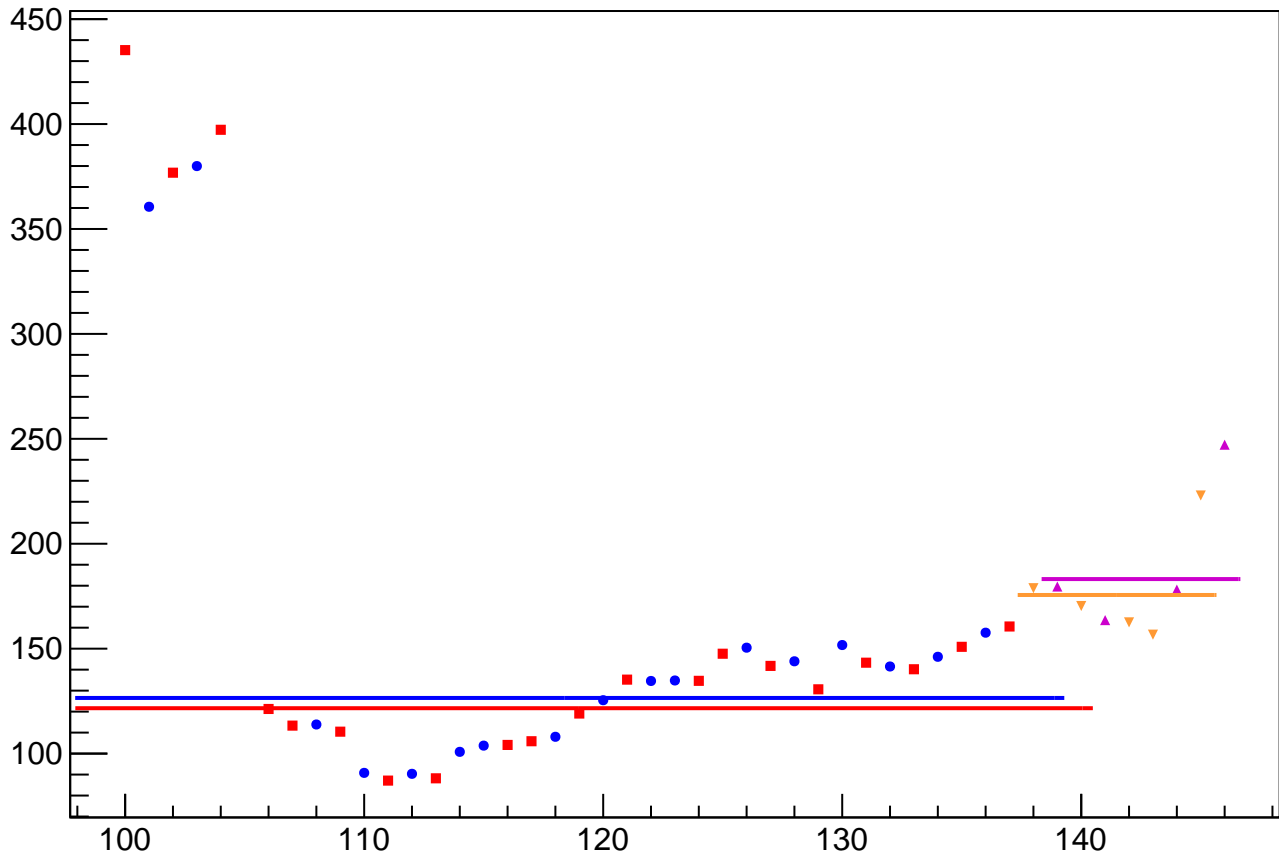
Right Out: 143296.790 +/- 0.049 χ^2 /NDF: 615134284.0/19

Left In: 146664.546 +/- 0.104 χ^2 /NDF: 23396760.5/3

144066.884 +/- 0.046 χ^2 /NDF: 1266427407.1/2

143902.441 +/- 0.044 χ^2 /NDF: 1492455145.7/2

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

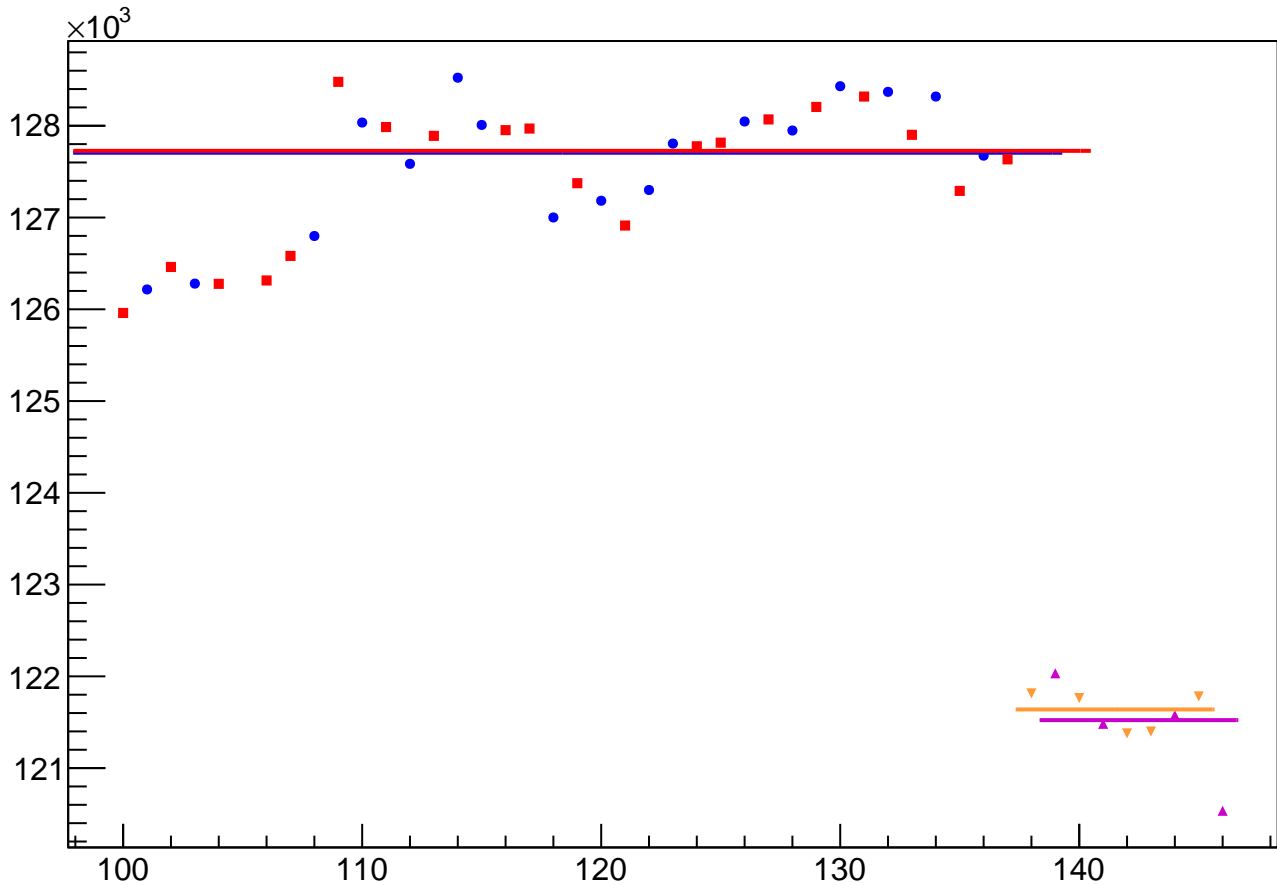
Right Out: 121.625 +/- 0.035 χ^2/NDF : 1465763.8/19

Left In: 183.167 +/- 0.074 χ^2/NDF : 130976.1/3

137.513 +/- 0.033 χ^2/NDF : 1923216.2/21

132.693 +/- 0.031 χ^2/NDF : 2167039.7/23

yield_bpm0l01WS_mean vs Slug



Right In: 127706.194+/-0.058 χ^2/NDF : 97860521.1/16

Left Out: 121639.274+/-0.083 χ^2/NDF : 5372688.8/4

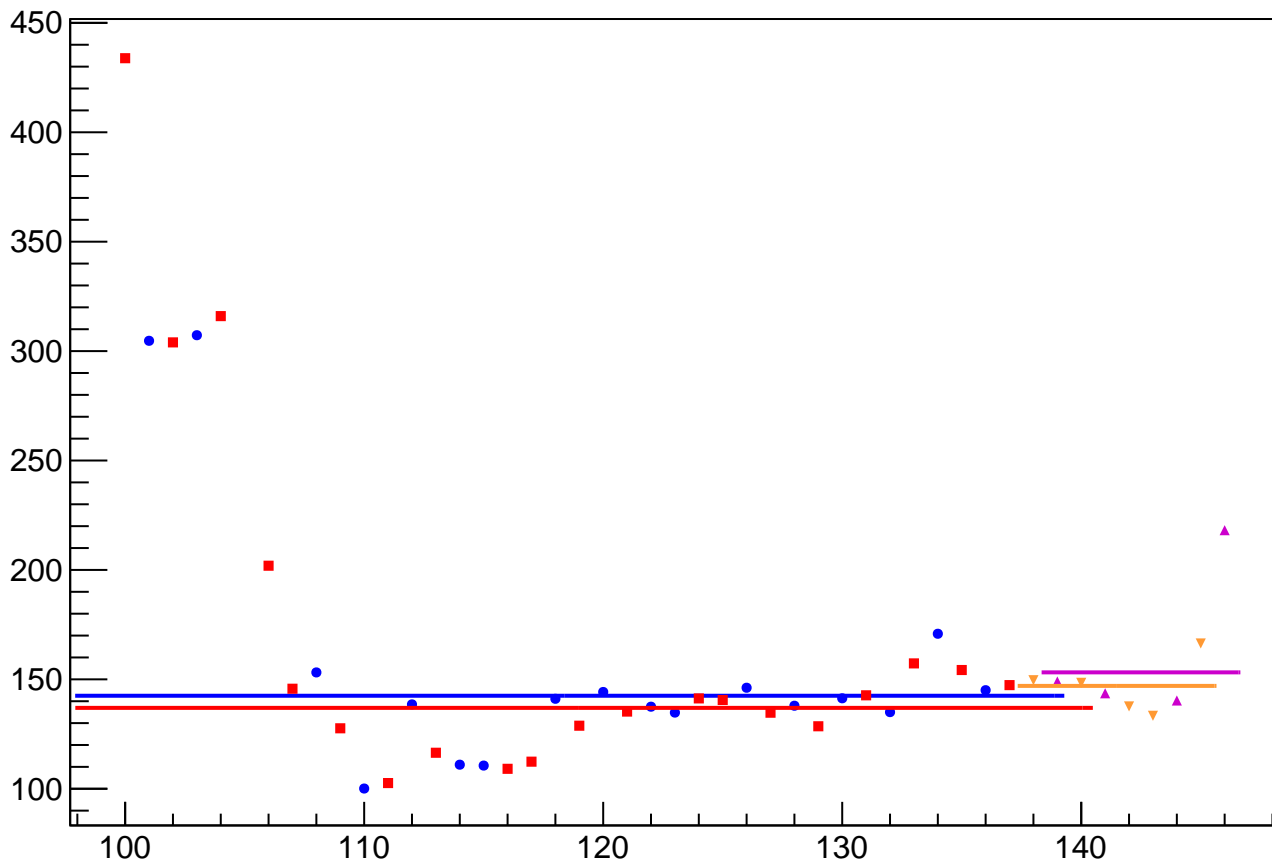
Right Out: 127726.708+/-0.054 χ^2/NDF : 112816704.3/19

Left In: 121522.943+/-0.088 χ^2/NDF : 23953373.2/3

125704.052+/-0.048 χ^2/NDF : 3706696240.7/2

126015.720+/-0.046 χ^2/NDF : 3742924304.9/2

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 ± 0.041 $\chi^2/\text{NDF}: 836263.7/16$

Left Out: 147.003 ± 0.058 $\chi^2/\text{NDF}: 36498.0/4$

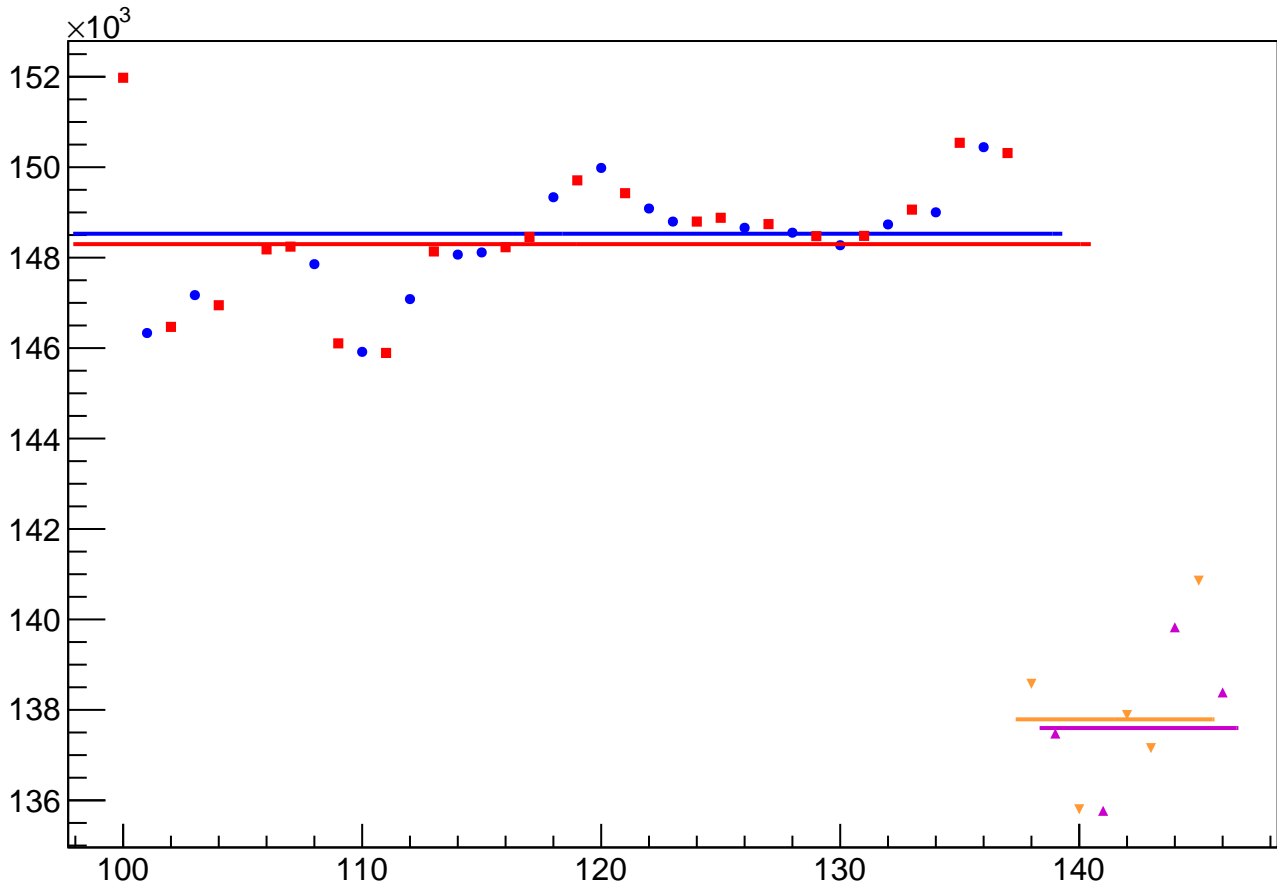
Right Out: 136.963 ± 0.038 $\chi^2/\text{NDF}: 961465.0/19$

Left In: 153.188 ± 0.062 $\chi^2/\text{NDF}: 159957.6/3$

143.987 ± 0.034 $\chi^2/\text{NDF}: 876729.5/21$

141.438 ± 0.033 $\chi^2/\text{NDF}: 1170753.8/23$

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 ± 0.082 $\chi^2/\text{NDF}: 209986594.2/16$

Left Out: 137790.925 ± 0.126 $\chi^2/\text{NDF}: 178224756.9/4$

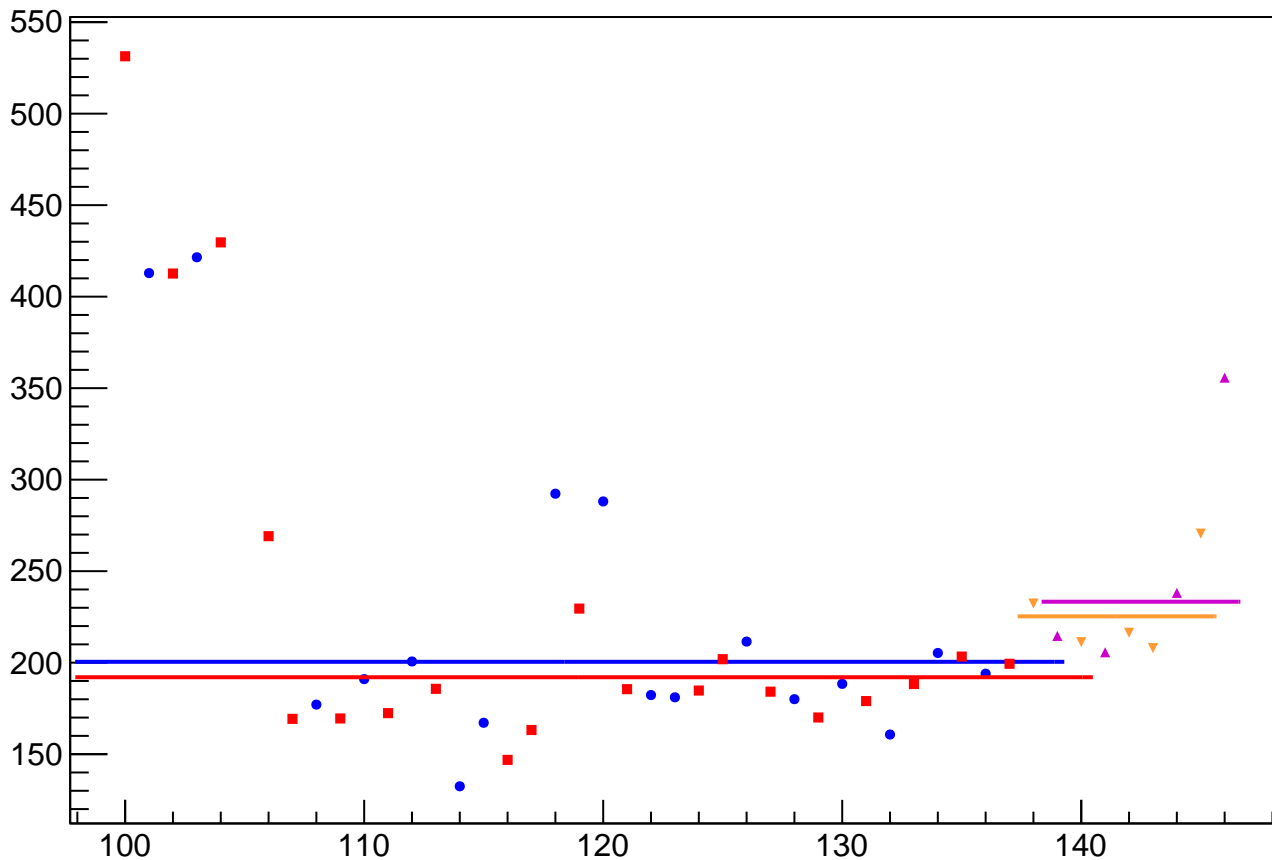
Right Out: 148298.586 ± 0.076 $\chi^2/\text{NDF}: 293284830.9/19$

Left In: 137598.568 ± 0.134 $\chi^2/\text{NDF}: 144311955.3/3$

145331.123 ± 0.069 $\chi^2/\text{NDF}: 5486039913.2/2$

145699.833 ± 0.066 $\chi^2/\text{NDF}: 5243728721.7/2$

yield_bpm0l02WS_rms vs Slug



Right In: 200.472 ± 0.058 $\chi^2/\text{NDF}: 936547.2/16$

Left Out: 225.318 ± 0.089 $\chi^2/\text{NDF}: 59778.6/4$

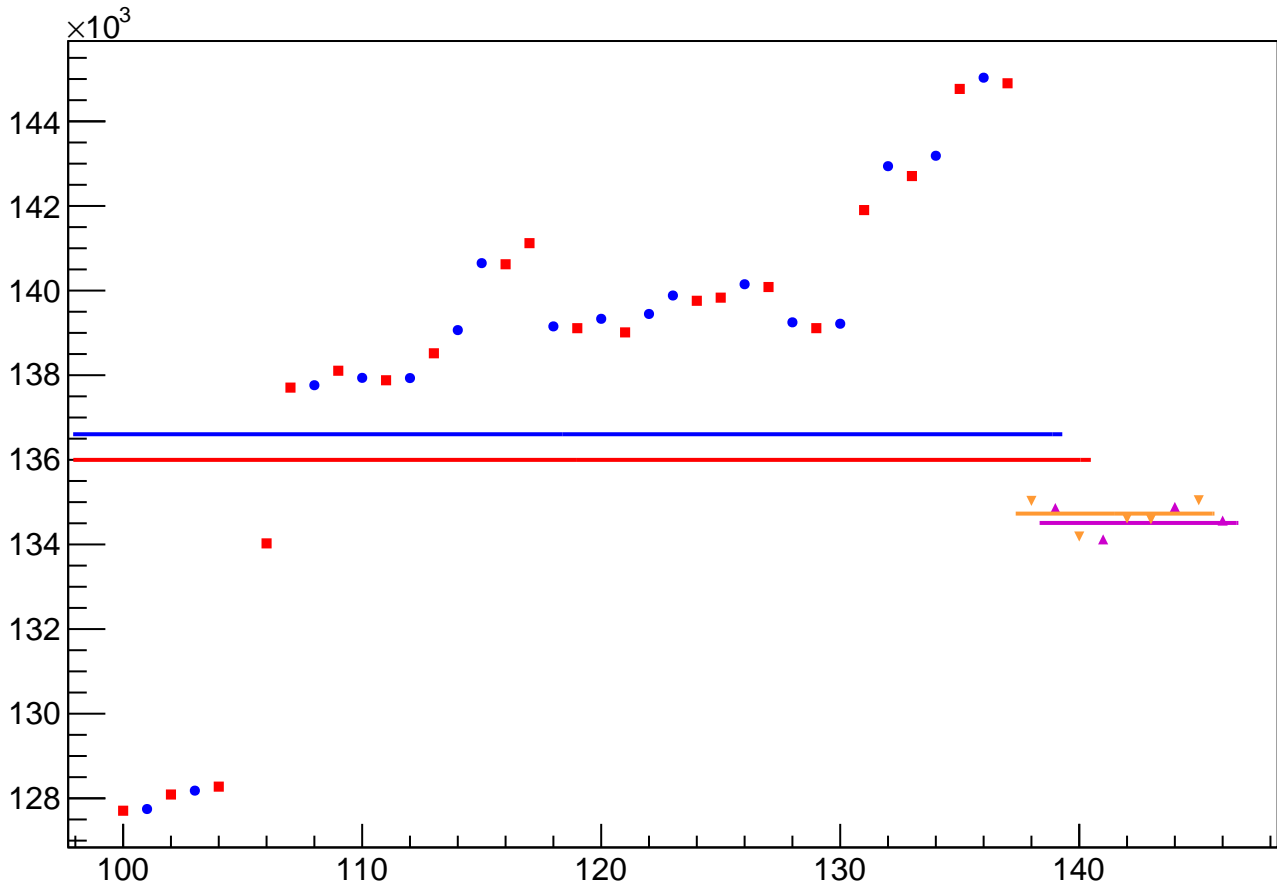
Right Out: 192.040 ± 0.054 $\chi^2/\text{NDF}: 847133.0/19$

Left In: 233.308 ± 0.095 $\chi^2/\text{NDF}: 224371.2/3$

207.871 ± 0.049 $\chi^2/\text{NDF}: 1050909.7/21$

202.063 ± 0.047 $\chi^2/\text{NDF}: 1214483.5/23$

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

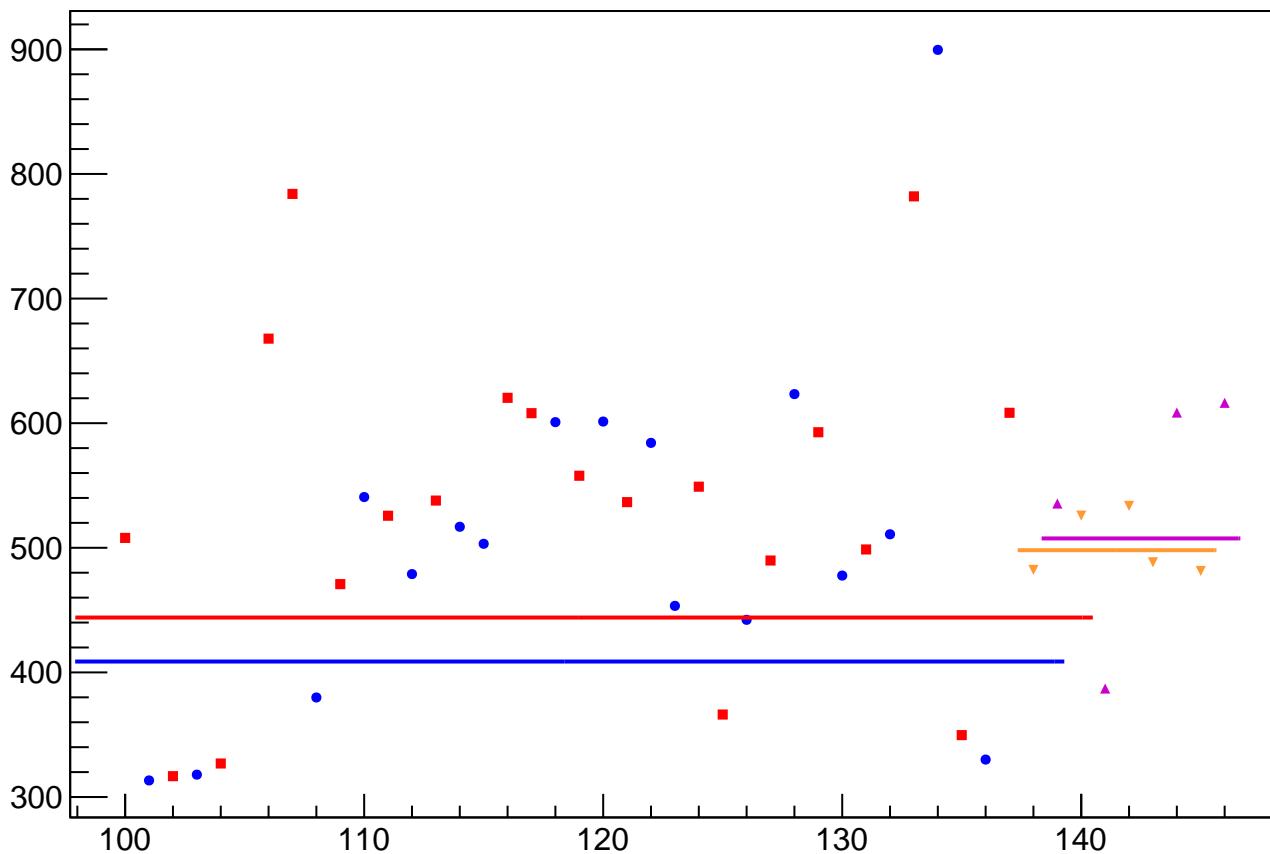
Right Out: 135998.851 \pm 0.182 χ^2 /NDF: 1084895879.4/19

Left In: 134508.193 \pm 0.317 χ^2 /NDF: 1143207.5/3

136102.902 \pm 0.147 χ^2 /NDF: 1527756480.8/2

135627.645 \pm 0.158 χ^2 /NDF: 1102671302.5/23

yield_bpm0l03WS_rms vs Slug



Right In: 408.729 \pm 0.121 χ^2/NDF : 823262.8/16

Left Out: 498.064 \pm 0.201 χ^2/NDF : 11210.9/4

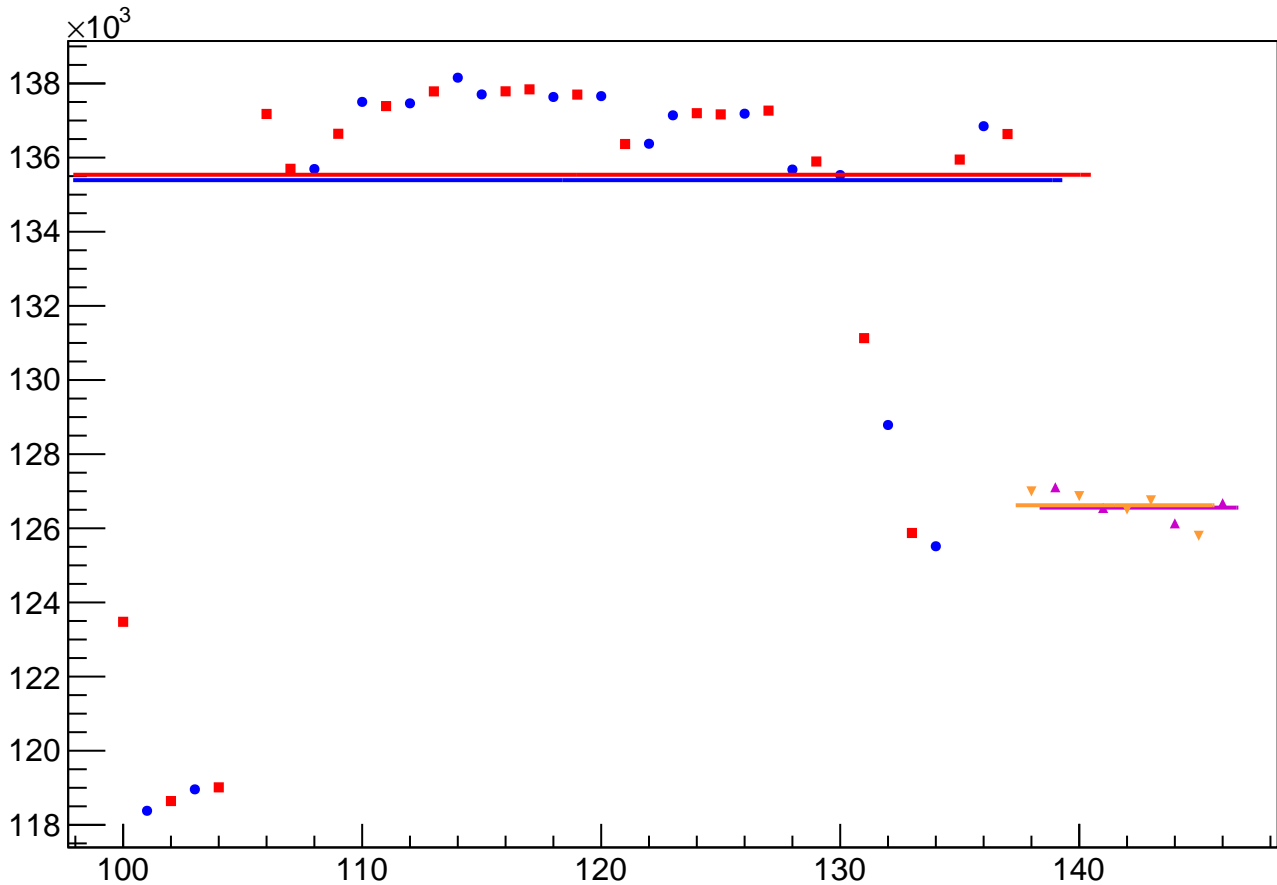
Right Out: 444.034 \pm 0.129 χ^2/NDF : 922545.8/19

Left In: 507.507 \pm 0.224 χ^2/NDF : 210525.5/3

432.626 \pm 0.104 χ^2/NDF : 979743.6/21

459.840 \pm 0.112 χ^2/NDF : 1193383.8/23

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

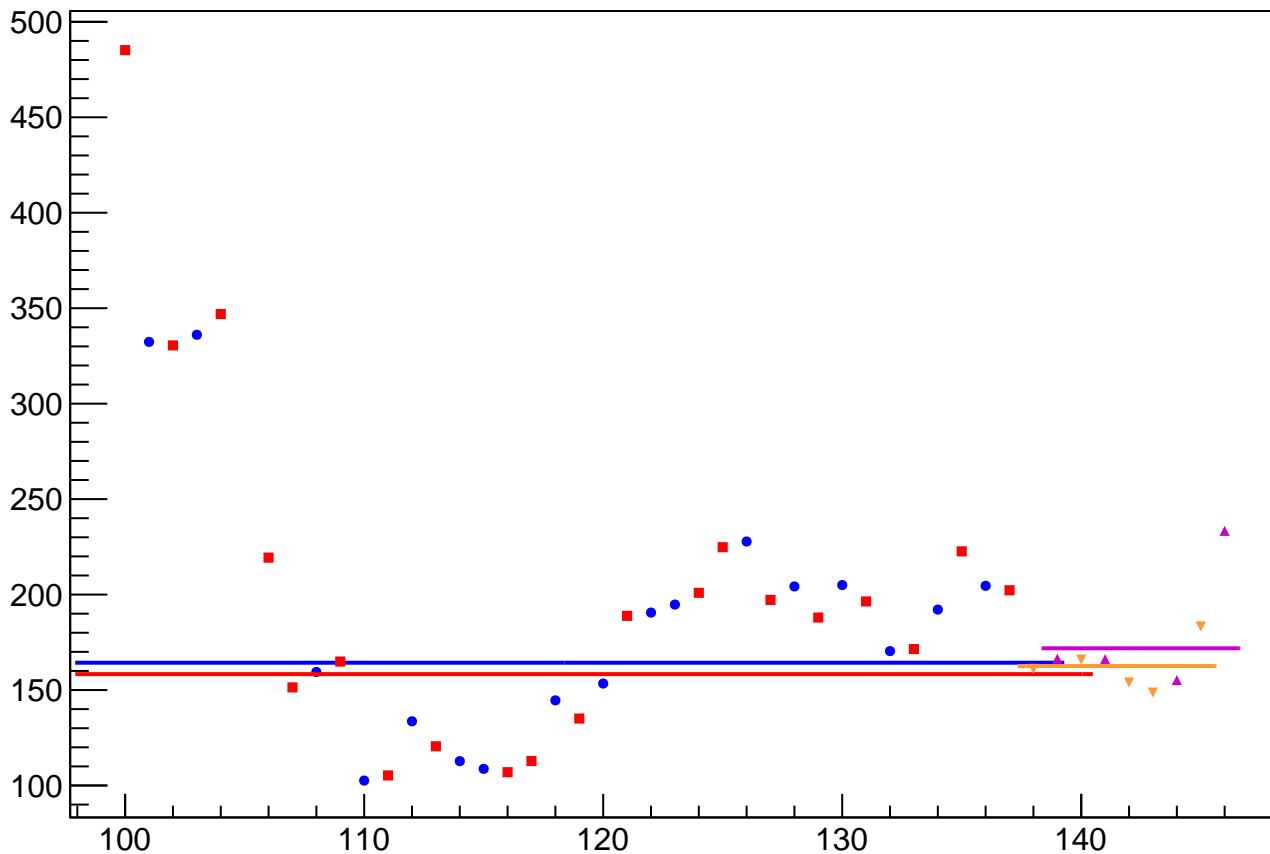
Right Out: 135537.290 \pm 0.064 χ^2 /NDF: 4748951957.4/19

Left In: 126557.628 \pm 0.098 χ^2 /NDF: 13856924.8/3

132225.740 \pm 0.055 χ^2 /NDF: 10559335314.4/2

132856.684 \pm 0.054 χ^2 /NDF: 10650126020.1/2

yield_bpm0l04WS_rms vs Slug



Right In: 164.311 \pm 0.048 χ^2/NDF : 1230487.8/16

Left Out: 162.564 \pm 0.064 χ^2/NDF : 32797.8/4

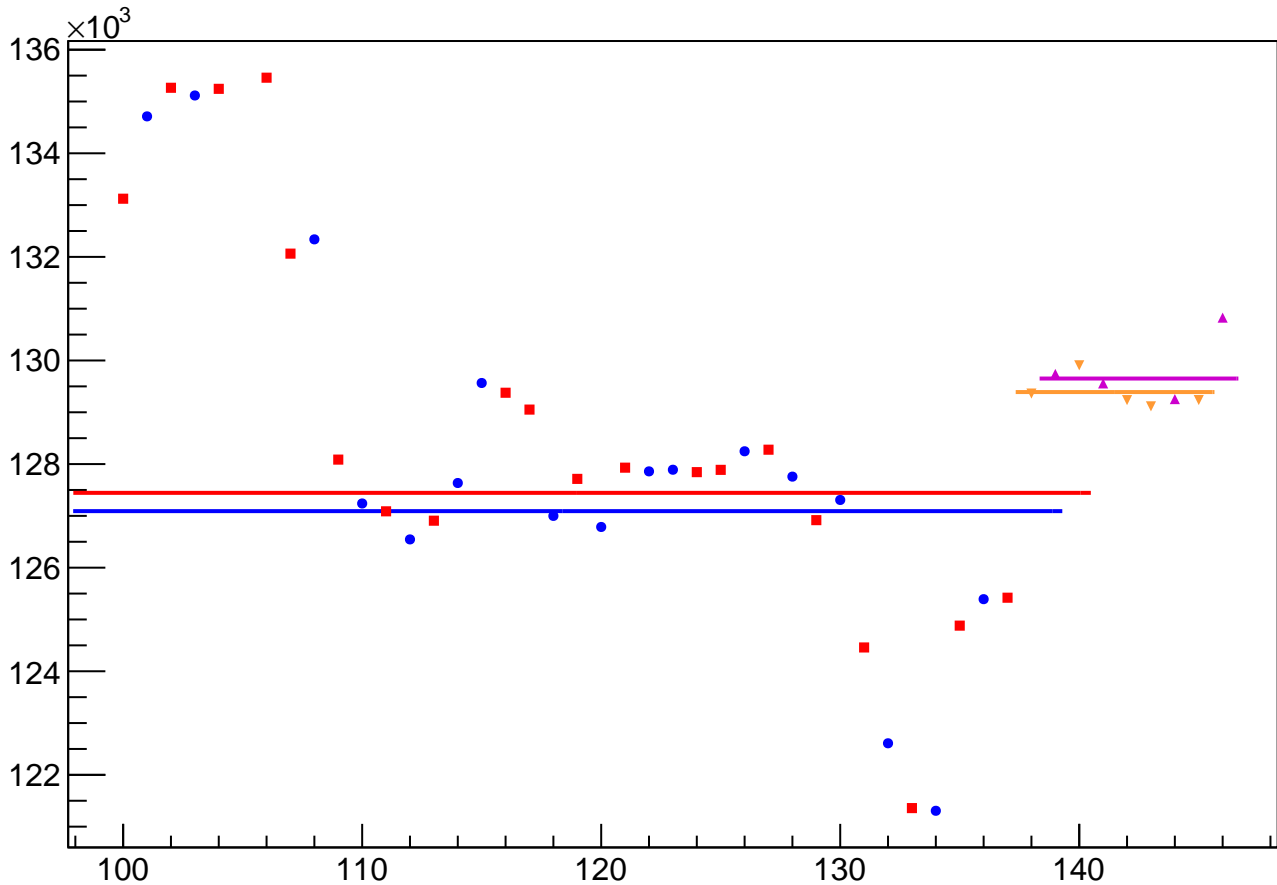
Right Out: 158.336 \pm 0.045 χ^2/NDF : 1398323.7/19

Left In: 171.859 \pm 0.069 χ^2/NDF : 131749.6/3

163.680 \pm 0.039 χ^2/NDF : 1263758.7/21

162.373 \pm 0.038 χ^2/NDF : 1556776.2/23

yield_bpm0l05WS_mean vs Slug



Right In: 127091.500+/-0.066 χ^2/NDF : 1717208780.6/16

Left Out: 129390.421+/-0.089 χ^2/NDF : 10718029.8/4

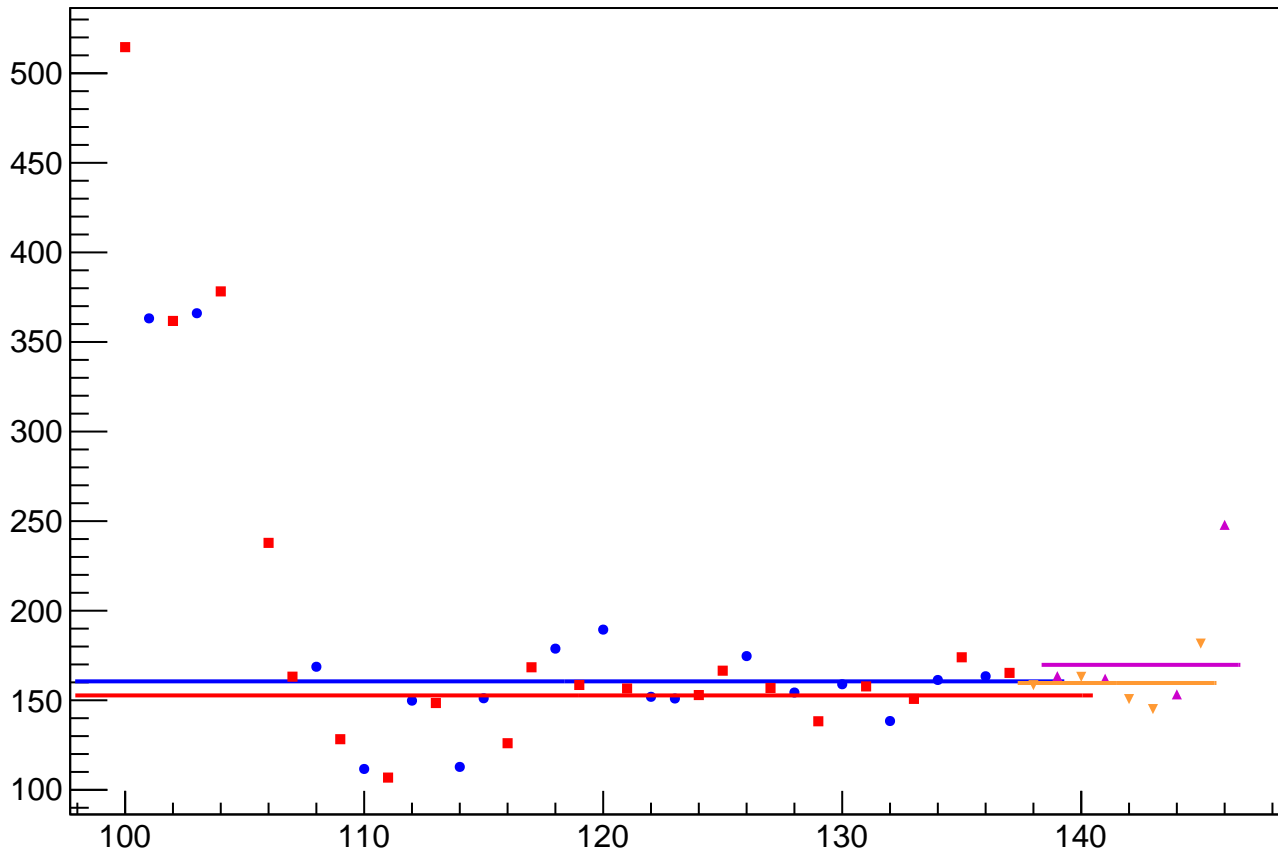
Right Out: 127444.472+/-0.061 χ^2/NDF : 2082646787.7/19

Left In: 129651.492+/-0.097 χ^2/NDF : 23763154.9/3

127907.203+/-0.053 χ^2/NDF : 2154489918.7/2

128073.037+/-0.052 χ^2/NDF : 2474563917.8/2

yield_bpm0l05WS_rms vs Slug



Right In: 160.564 \pm 0.047 χ^2 /NDF: 942747.0/16

160.240 \pm 0.038 χ^2 /NDF: 980271.5/21

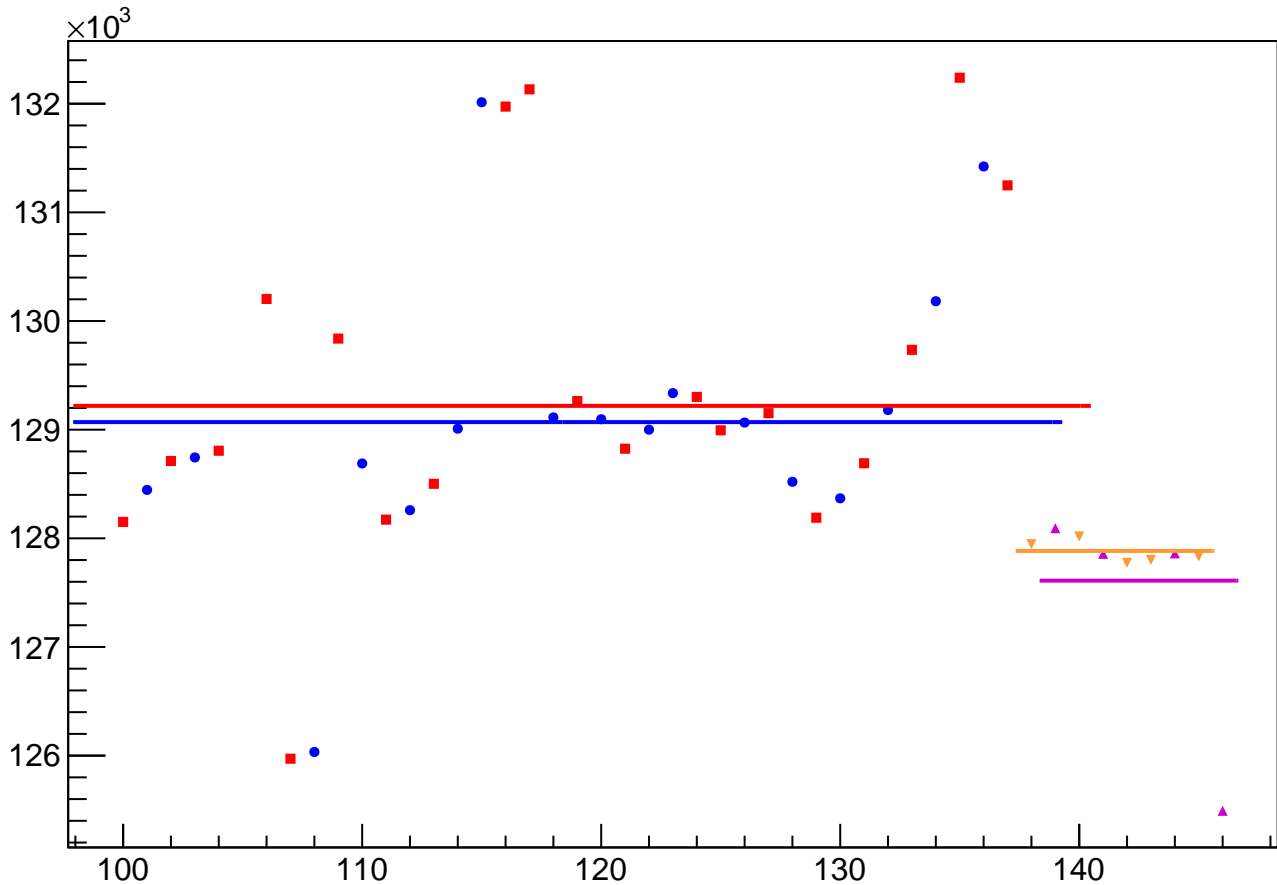
Left Out: 159.650 \pm 0.063 χ^2 /NDF: 37389.7/4

Right Out: 152.711 \pm 0.043 χ^2 /NDF: 1087186.3/19

157.571 \pm 0.037 χ^2 /NDF: 1312236.7/23

Left In: 169.776 \pm 0.069 χ^2 /NDF: 181024.7/3

yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 ± 0.060 $\chi^2/\text{NDF}: 476692316.5/16$

Left Out: 127884.174 ± 0.086 $\chi^2/\text{NDF}: 1153175.5/4$

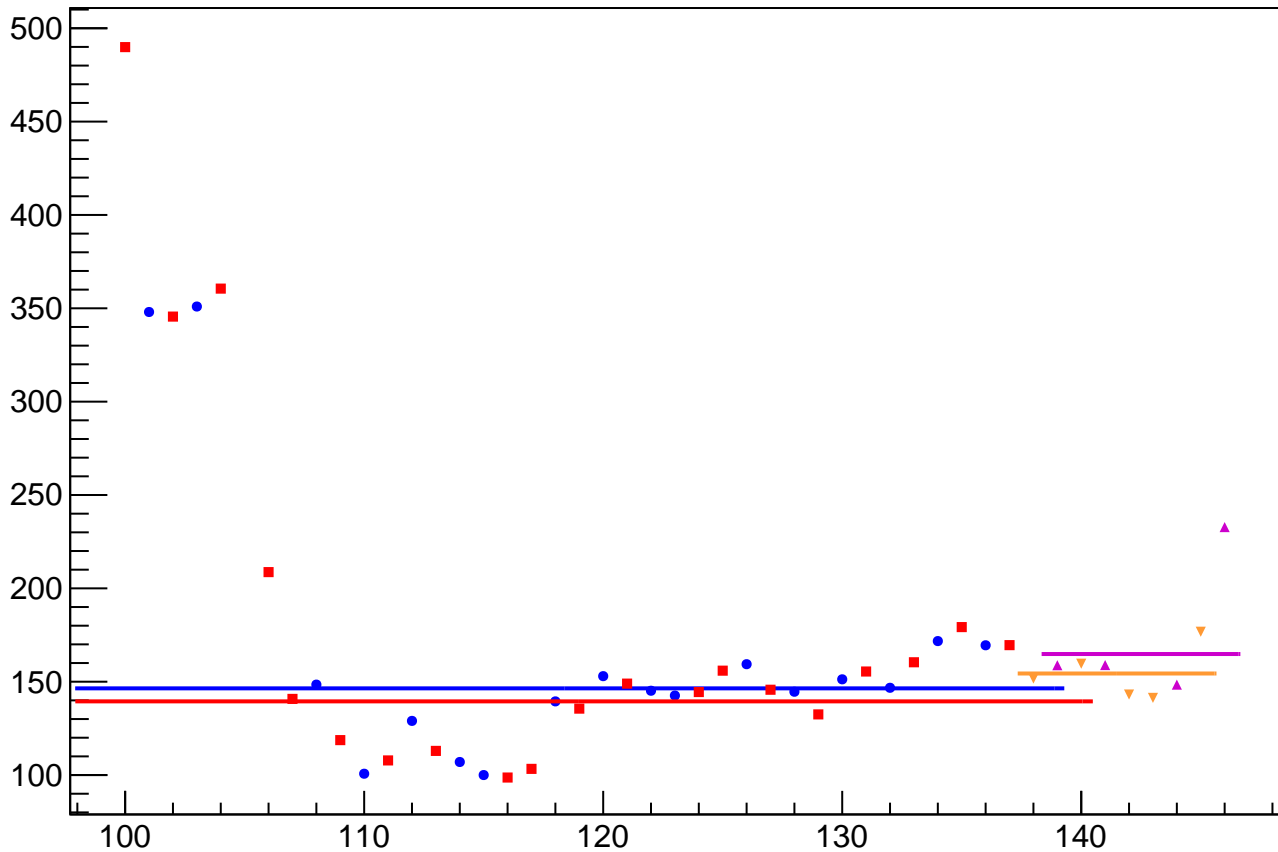
Right Out: 129219.072 ± 0.056 $\chi^2/\text{NDF}: 660468184.1/19$

Left In: 127610.588 ± 0.094 $\chi^2/\text{NDF}: 75733305.0/3$

128681.903 ± 0.049 $\chi^2/\text{NDF}: 604817365.6/21$

128801.673 ± 0.048 $\chi^2/\text{NDF}: 952315464.2/23$

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

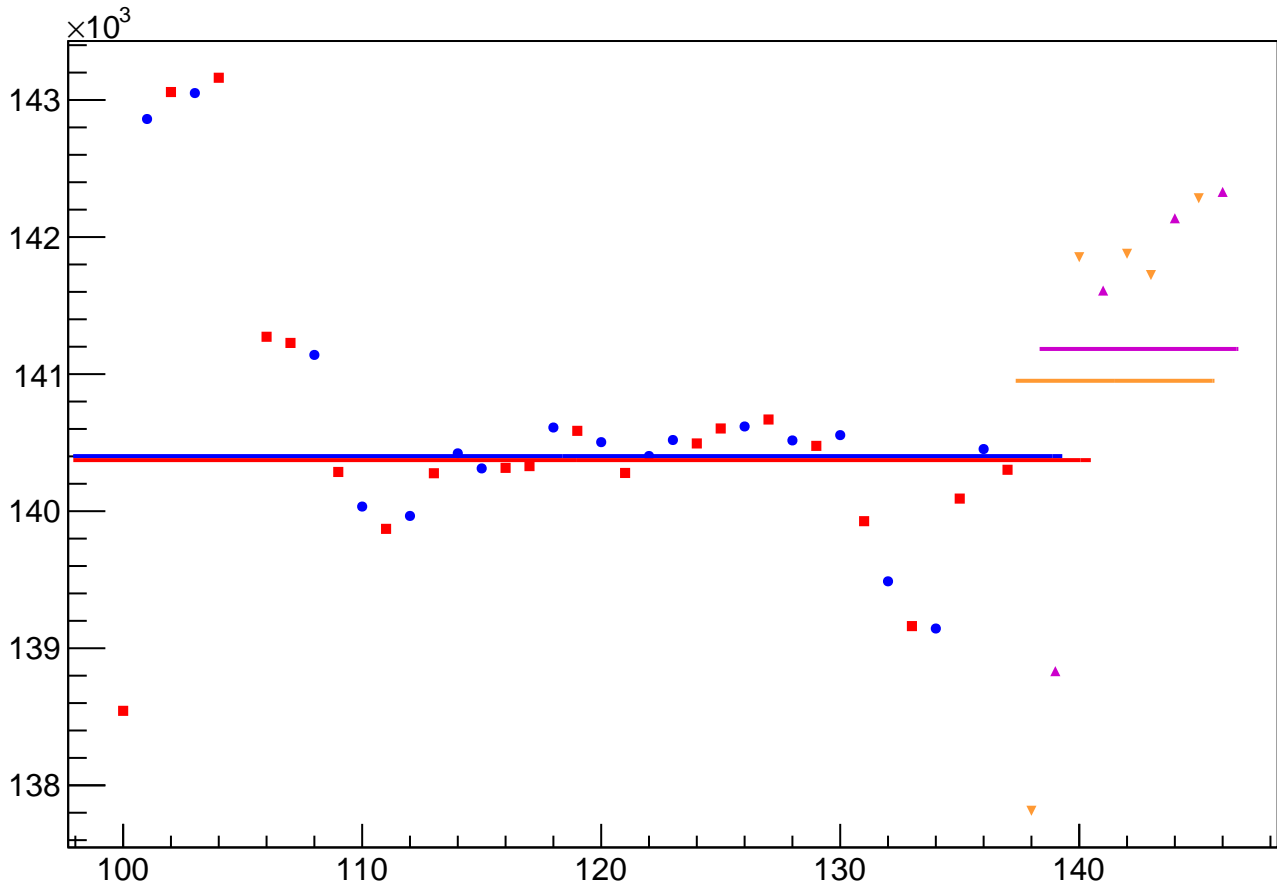
Right Out: 139.468 ± 0.039 χ^2/NDF : 1214310.8/19

Left In: 164.828 ± 0.067 χ^2/NDF : 158971.8/3

149.040 ± 0.035 χ^2/NDF : 1117417.4/21

146.048 ± 0.034 χ^2/NDF : 1480726.0/23

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010+/-0.064 χ^2/NDF : 88071774.7/16

Left Out: 140951.400+/-0.102 χ^2/NDF : 296660105.7/4

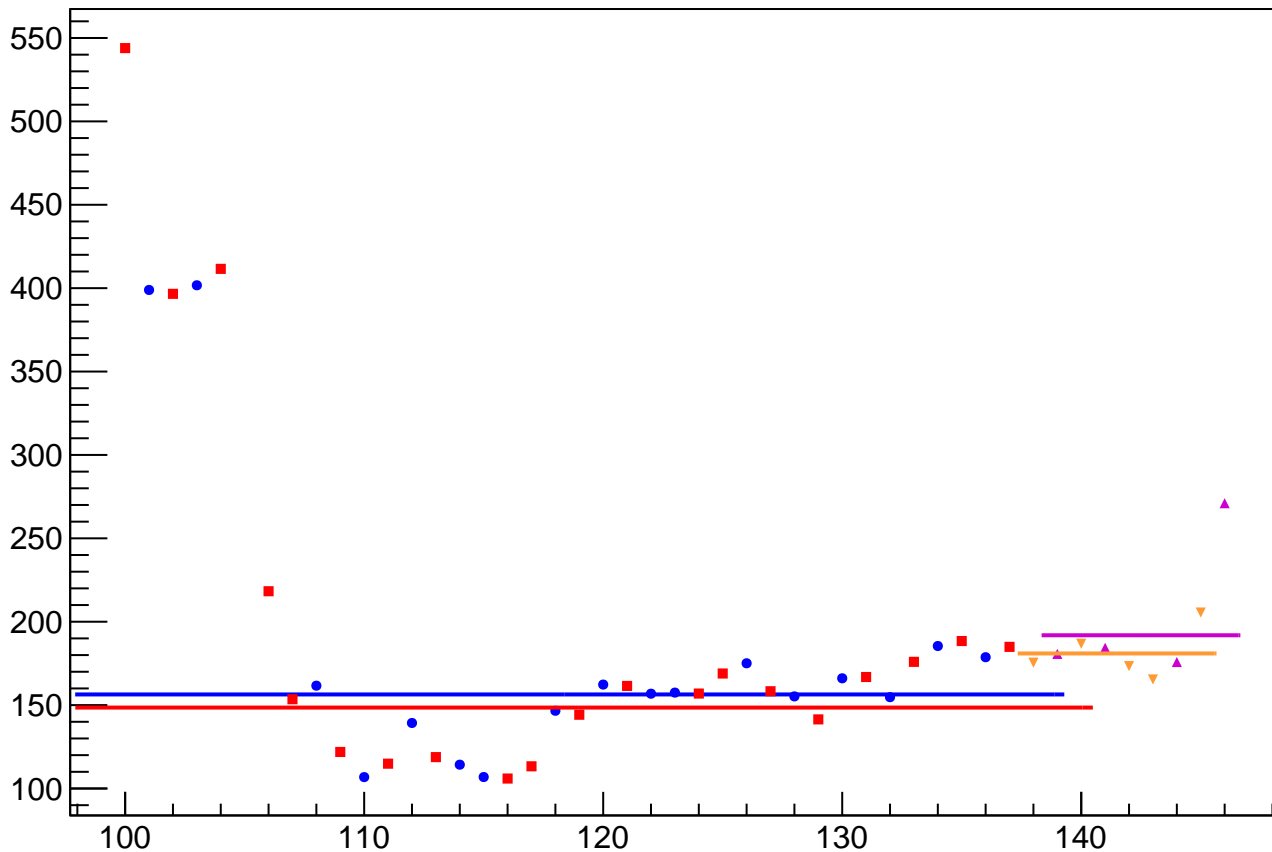
Right Out: 140372.636+/-0.059 χ^2/NDF : 99861038.9/19

Left In: 141183.666+/-0.110 χ^2/NDF : 156871881.1/3

140558.575+/-0.054 χ^2/NDF : 405505293.5/21

140556.097+/-0.052 χ^2/NDF : 298771935.1/23

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

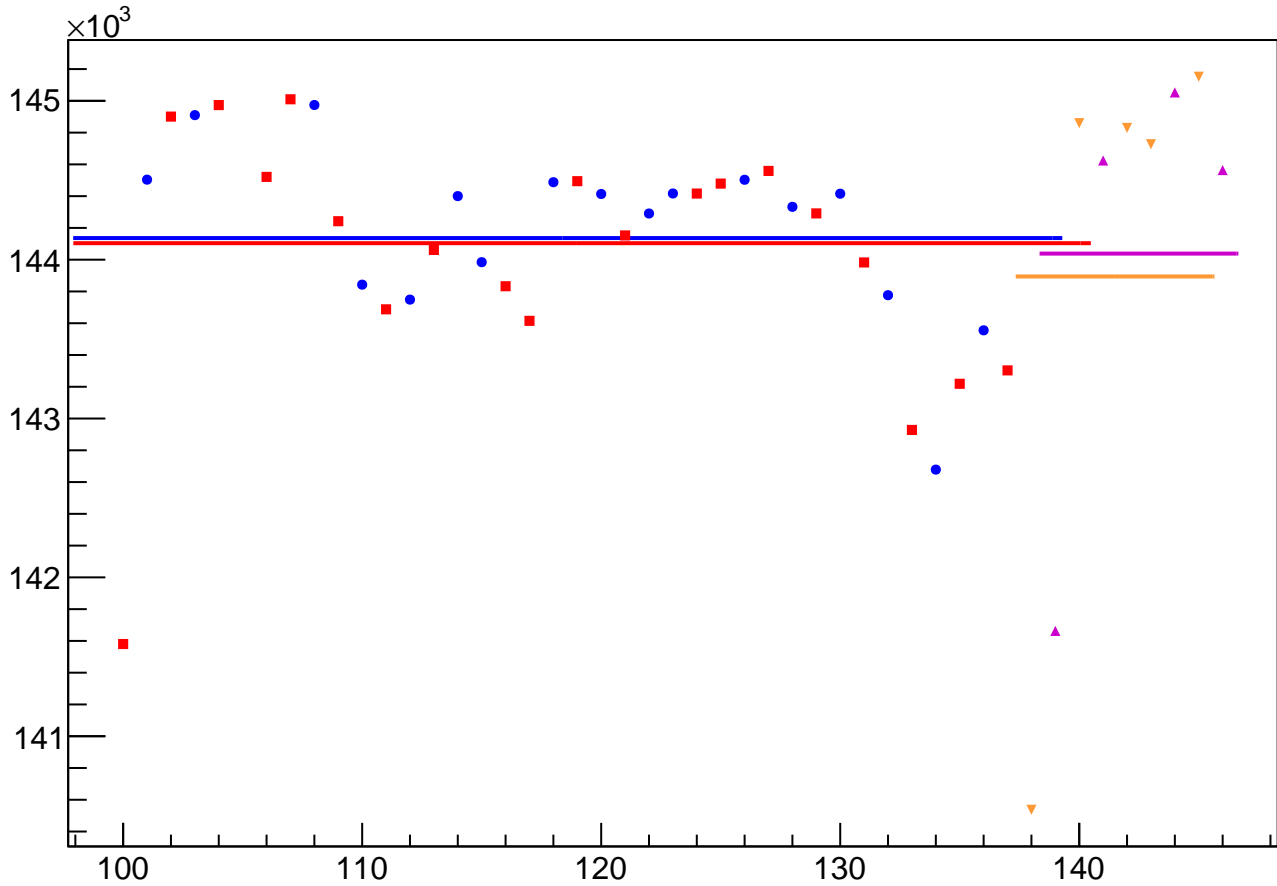
163.398+/-0.038 χ^2 /NDF: 1273676.3/21

Right Out: 148.524+/-0.042 χ^2 /NDF: 1316113.9/19

158.332+/-0.037 χ^2 /NDF: 1712258.9/23

Left In: 191.881+/-0.078 χ^2 /NDF:155860.0/3

yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 \pm 0.067 χ^2/NDF : 47069480.3/16

Left Out: 143894.366 \pm 0.100 χ^2/NDF : 332707943.8/4

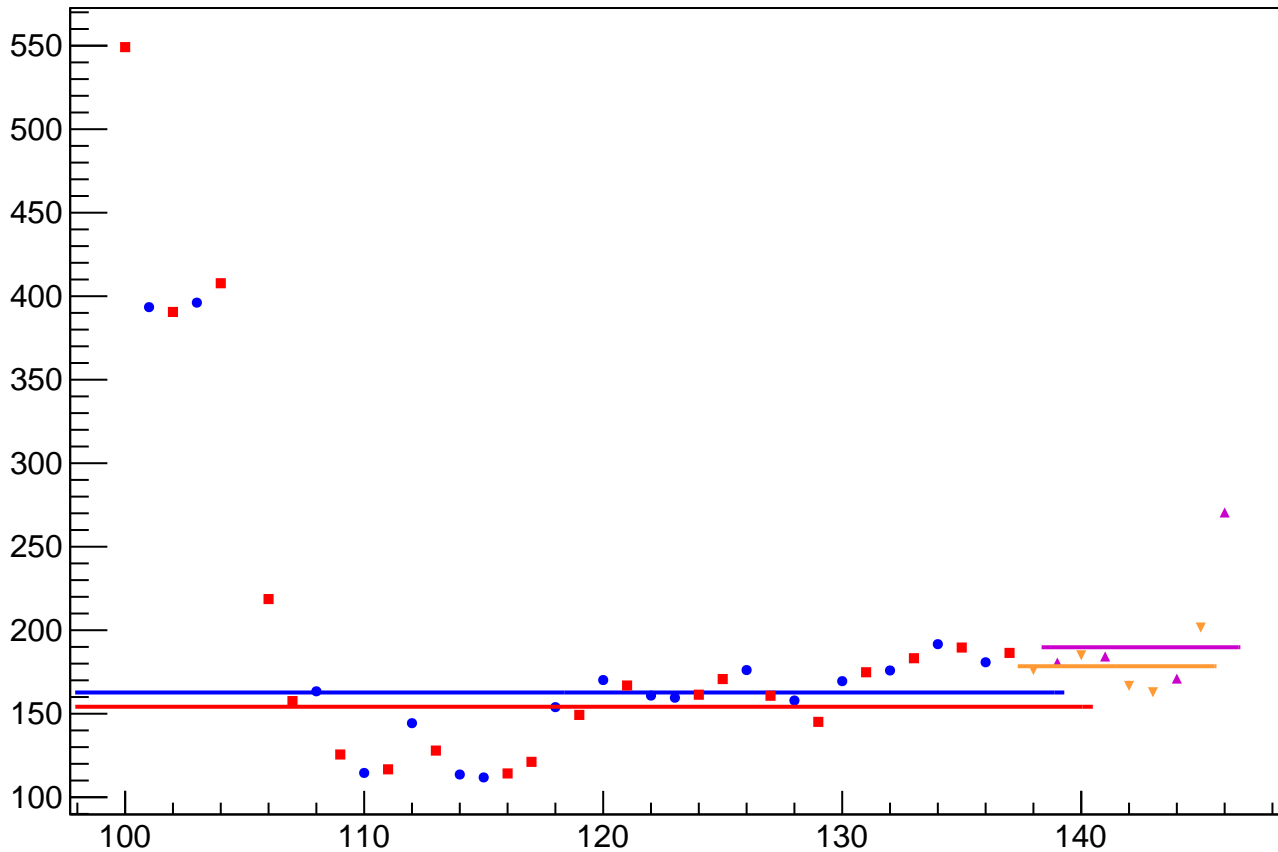
Right Out: 144103.887 \pm 0.062 χ^2/NDF : 65973087.5/19

Left In: 144038.402 \pm 0.109 χ^2/NDF : 157577450.5/3

144061.885 \pm 0.056 χ^2/NDF : 383802815.5/21

144088.025 \pm 0.054 χ^2/NDF : 223824986.2/23

yield_bpm0l08WS_rms vs Slug



Right In: 162.714 ± 0.047 $\chi^2/\text{NDF}: 1066482.0/16$

Left Out: 178.434 ± 0.071 $\chi^2/\text{NDF}: 36347.3/4$

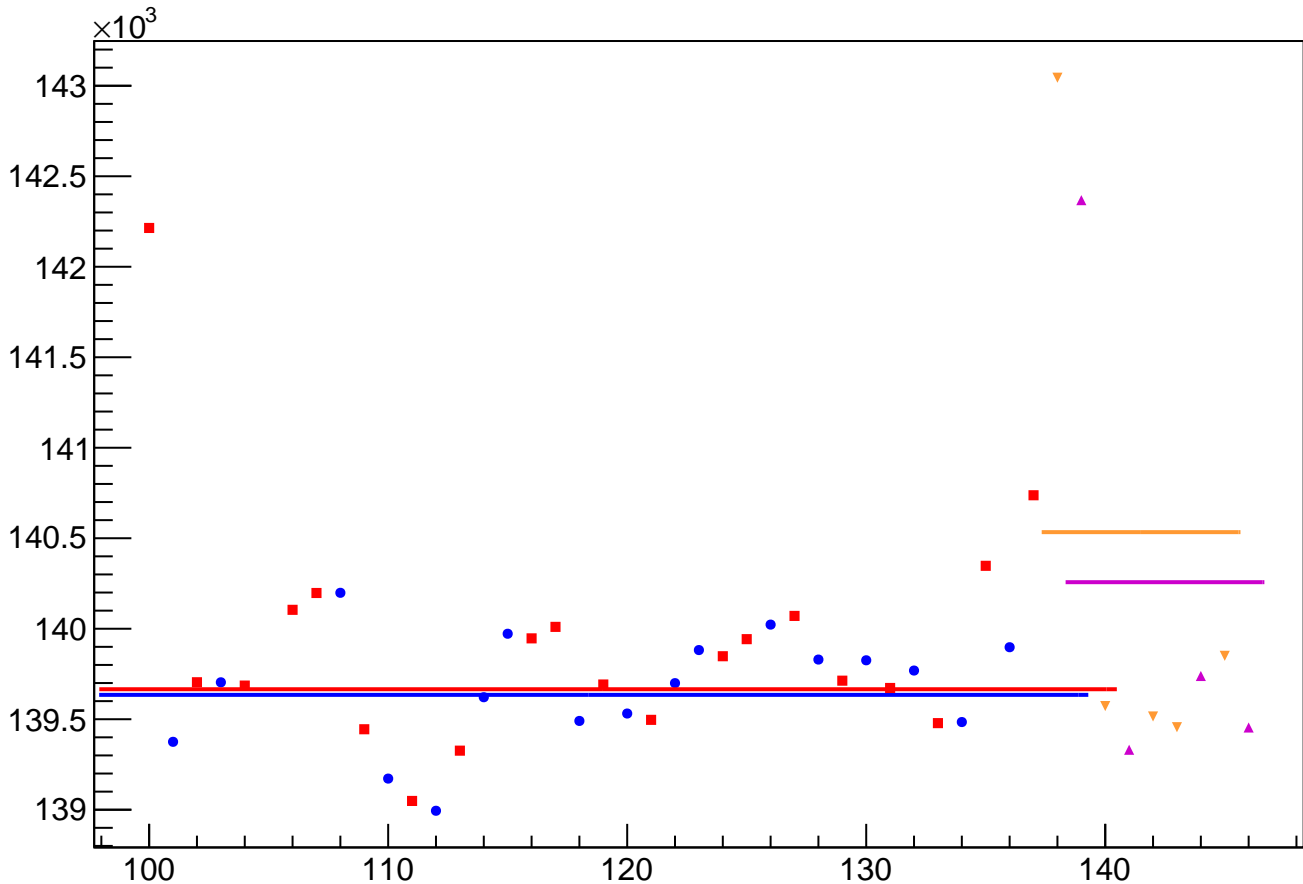
Right Out: 154.174 ± 0.044 $\chi^2/\text{NDF}: 1224004.2/19$

Left In: 189.800 ± 0.077 $\chi^2/\text{NDF}: 164633.1/3$

167.541 ± 0.039 $\chi^2/\text{NDF}: 1136871.2/21$

162.803 ± 0.038 $\chi^2/\text{NDF}: 1551096.7/23$

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

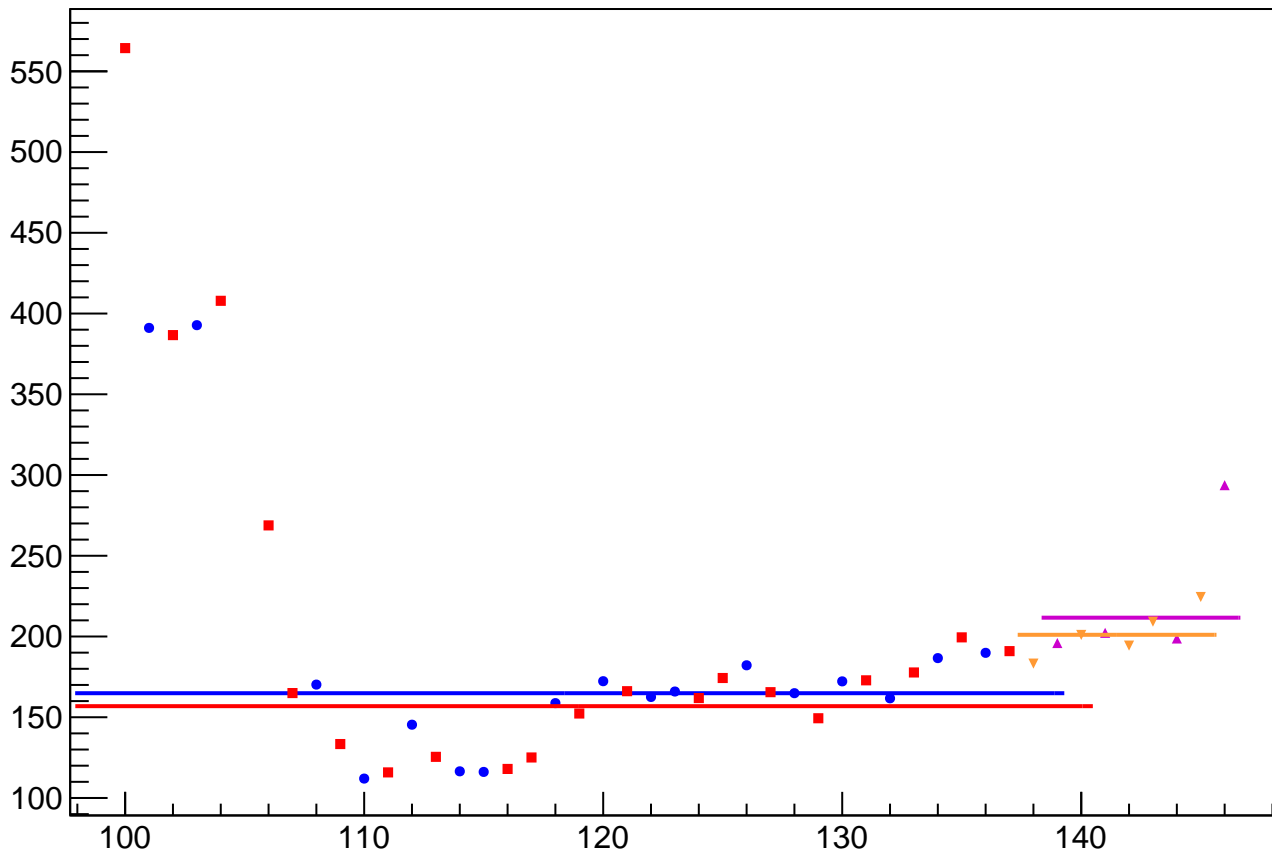
139874.303 \pm 0.058 χ^2 /NDF: 257231482.1/21

Right Out: 139665.743 \pm 0.063 χ^2 /NDF: 38703726.2/19

139790.689 \pm 0.056 χ^2 /NDF: 164531253.1/23

Left In: 140257.204 \pm 0.121 χ^2 /NDF: 107025938.1/3

yield_bpm0l09WS_rms vs Slug



Right In: 164.884 ± 0.048 χ^2/NDF : 1066270.8/16

Left Out: 201.053 ± 0.080 χ^2/NDF : 32591.3/4

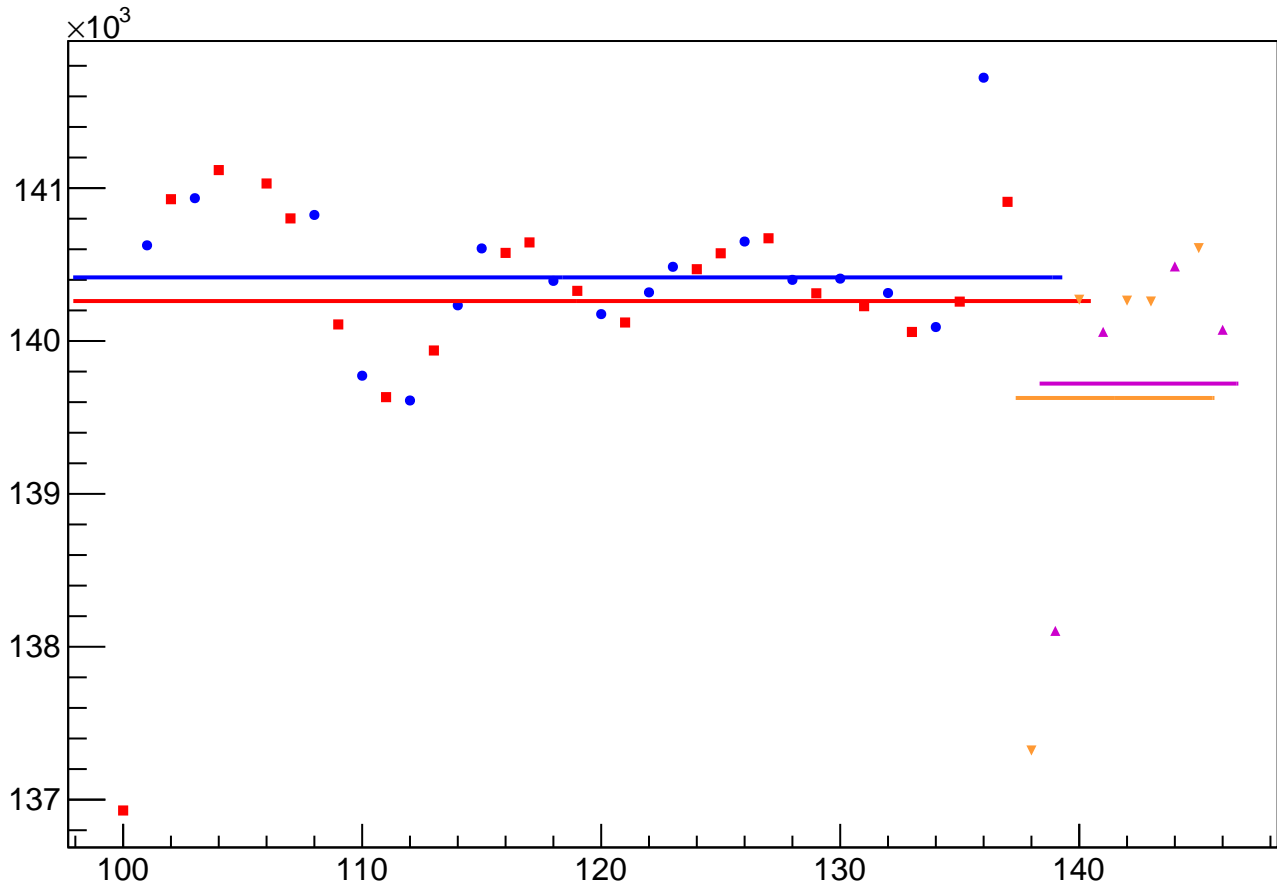
174.524 ± 0.041 χ^2/NDF : 1250662.3/21

Right Out: 156.859 ± 0.044 χ^2/NDF : 1250656.2/19

168.435 ± 0.039 χ^2/NDF : 1714121.0/23

Left In: 211.654 ± 0.086 χ^2/NDF : 140724.8/3

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 ± 0.068 $\chi^2/\text{NDF}: 69975821.3/16$

Left Out: 139627.335 ± 0.098 $\chi^2/\text{NDF}: 175311831.0/4$

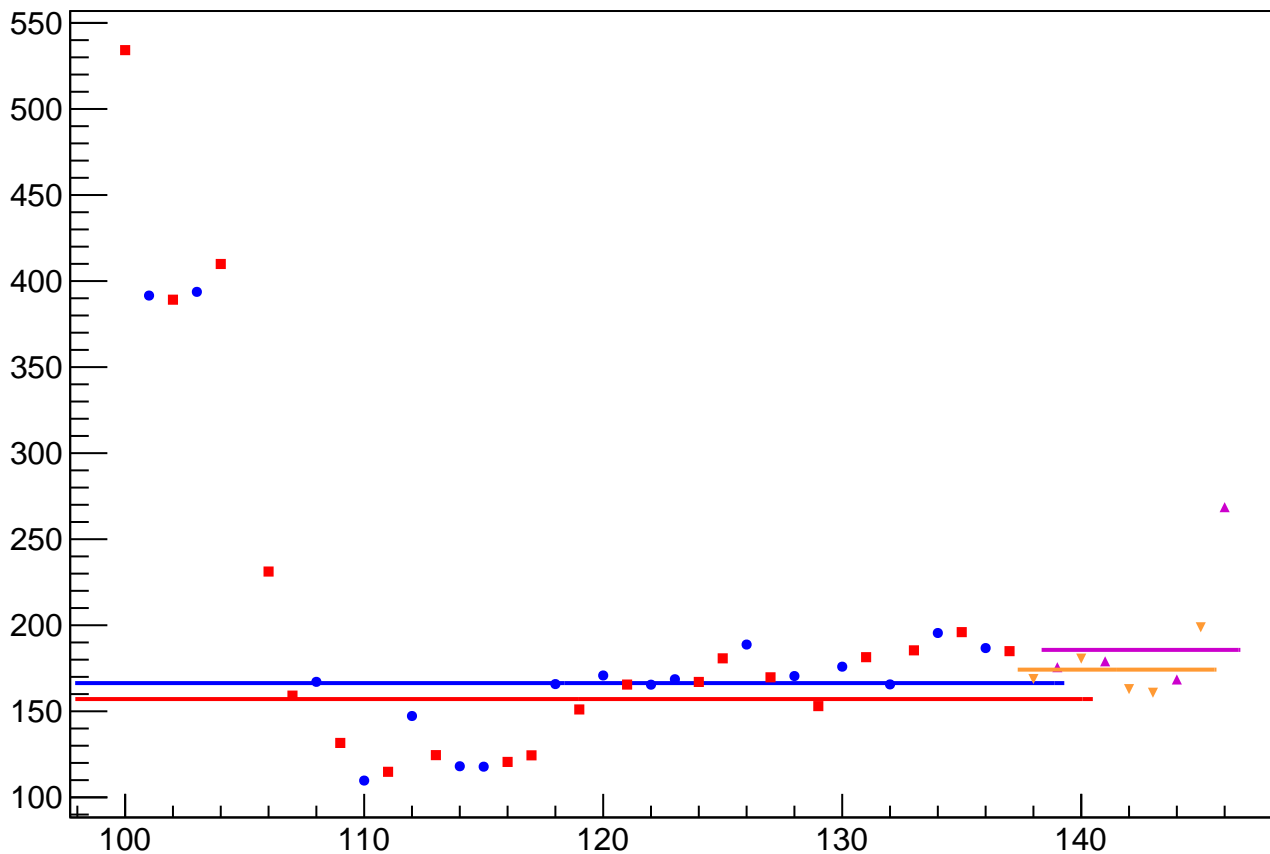
Right Out: 140261.267 ± 0.063 $\chi^2/\text{NDF}: 38479140.4/19$

Left In: 139721.347 ± 0.106 $\chi^2/\text{NDF}: 78987758.9/3$

140156.459 ± 0.056 $\chi^2/\text{NDF}: 289060417.1/21$

140121.782 ± 0.054 $\chi^2/\text{NDF}: 136566151.4/23$

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

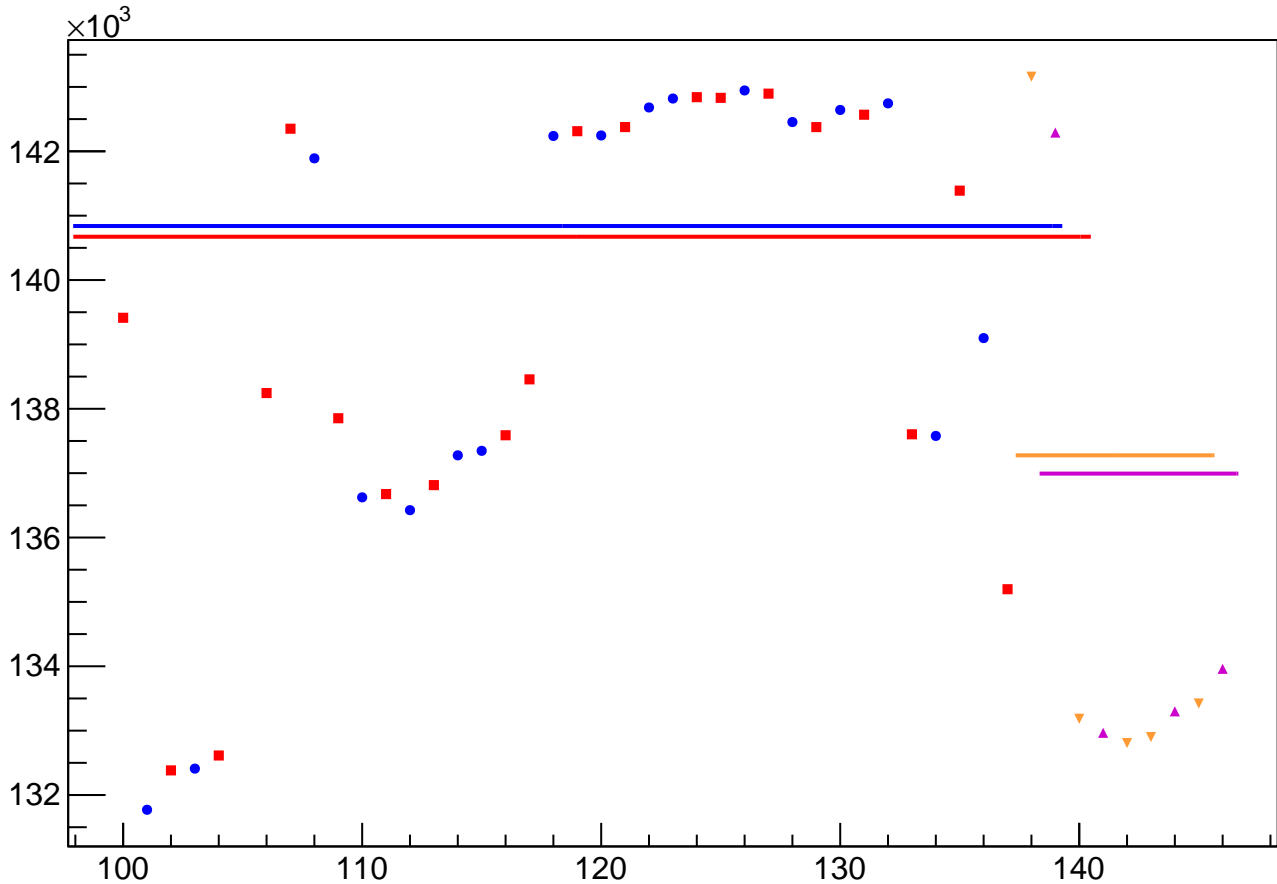
168.962+/-0.040 χ^2 /NDF: 1127878.3/21

Right Out: 157.110+/-0.044 χ^2 /NDF: 1235934.7/19

164.493+/-0.038 χ^2 /NDF: 1516998.3/23

Left In: 185.685+/-0.075 χ^2 /NDF:174072.8/3

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133+/-0.100 χ^2/NDF : 822682996.3/16

Left Out: 137277.120+/-0.156 χ^2/NDF : 1008758084.6/4

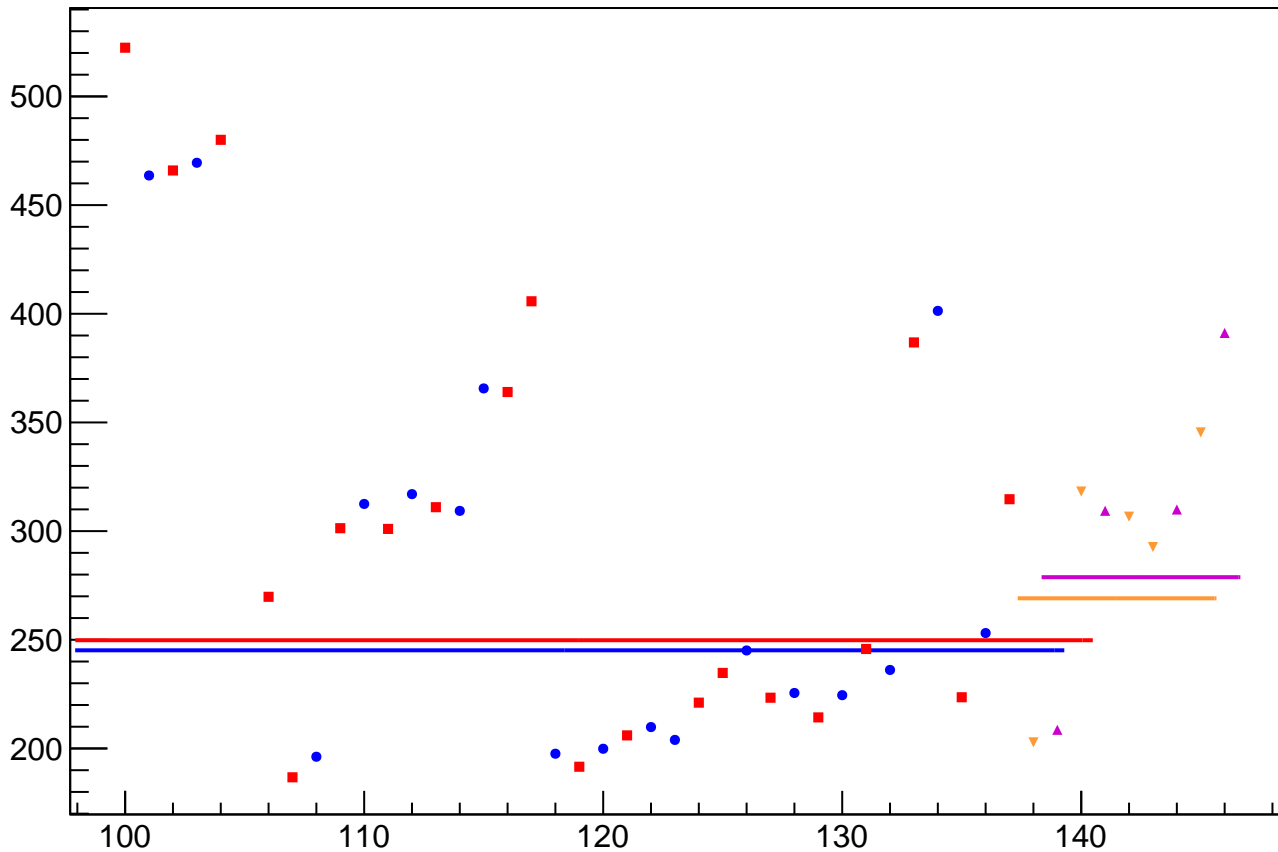
Right Out: 140672.898+/-0.099 χ^2/NDF : 841965357.5/19

Left In: 136993.120+/-0.165 χ^2/NDF : 721174505.2/3

139803.014+/-0.084 χ^2/NDF : 2200421558.2/2

139696.544+/-0.085 χ^2/NDF : 1929894980.2/2

yield_bpm0r03WS_rms vs Slug



Right In: 245.159 \pm 0.071 χ^2 /NDF: 869491.6/16

Left Out: 269.089 \pm 0.110 χ^2 /NDF:274186.1/4

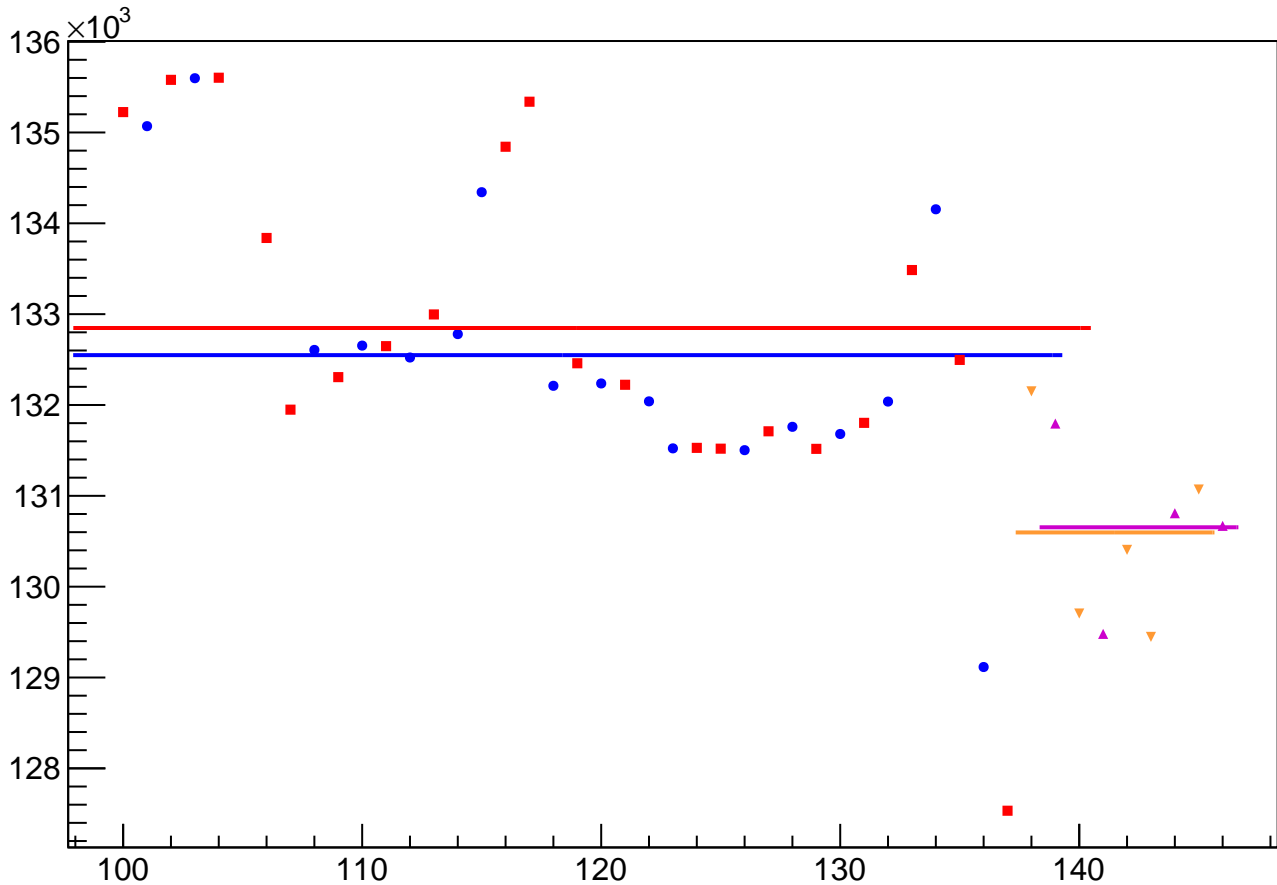
Right Out: 249.792 \pm 0.070 χ^2 /NDF: 1022316.0/19

Left In: 278.807 \pm 0.116 χ^2 /NDF:301851.5/3

252.120 \pm 0.060 χ^2 /NDF: 1176984.5/21

257.490 \pm 0.060 χ^2 /NDF: 1369770.5/23

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

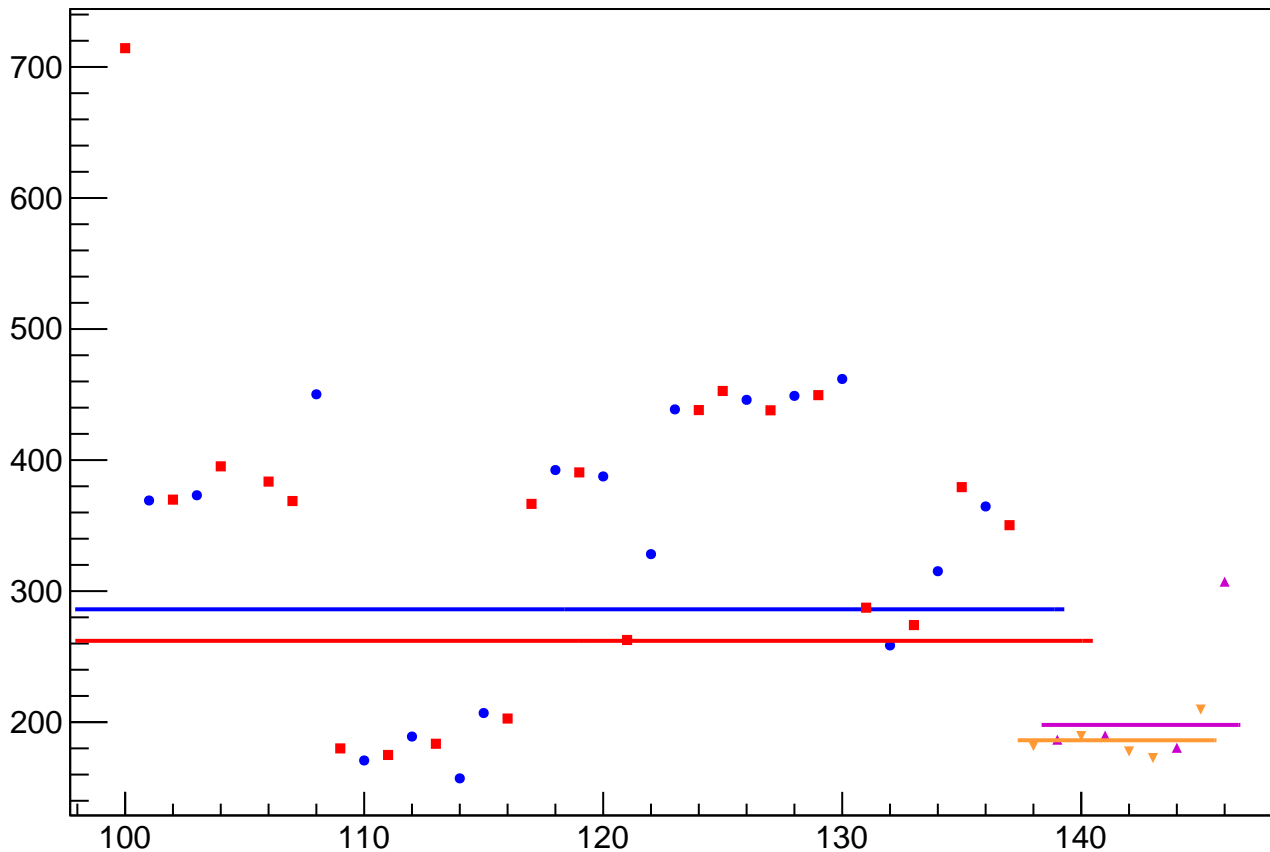
Right Out: 132847.502 \pm 0.107 χ^2 /NDF: 151618589.4/19

Left In: 130653.795 \pm 0.115 χ^2 /NDF: 56692722.3/3

131451.958 \pm 0.079 χ^2 /NDF: 408444077.0/21

131834.718 \pm 0.078 χ^2 /NDF: 402720360.5/23

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

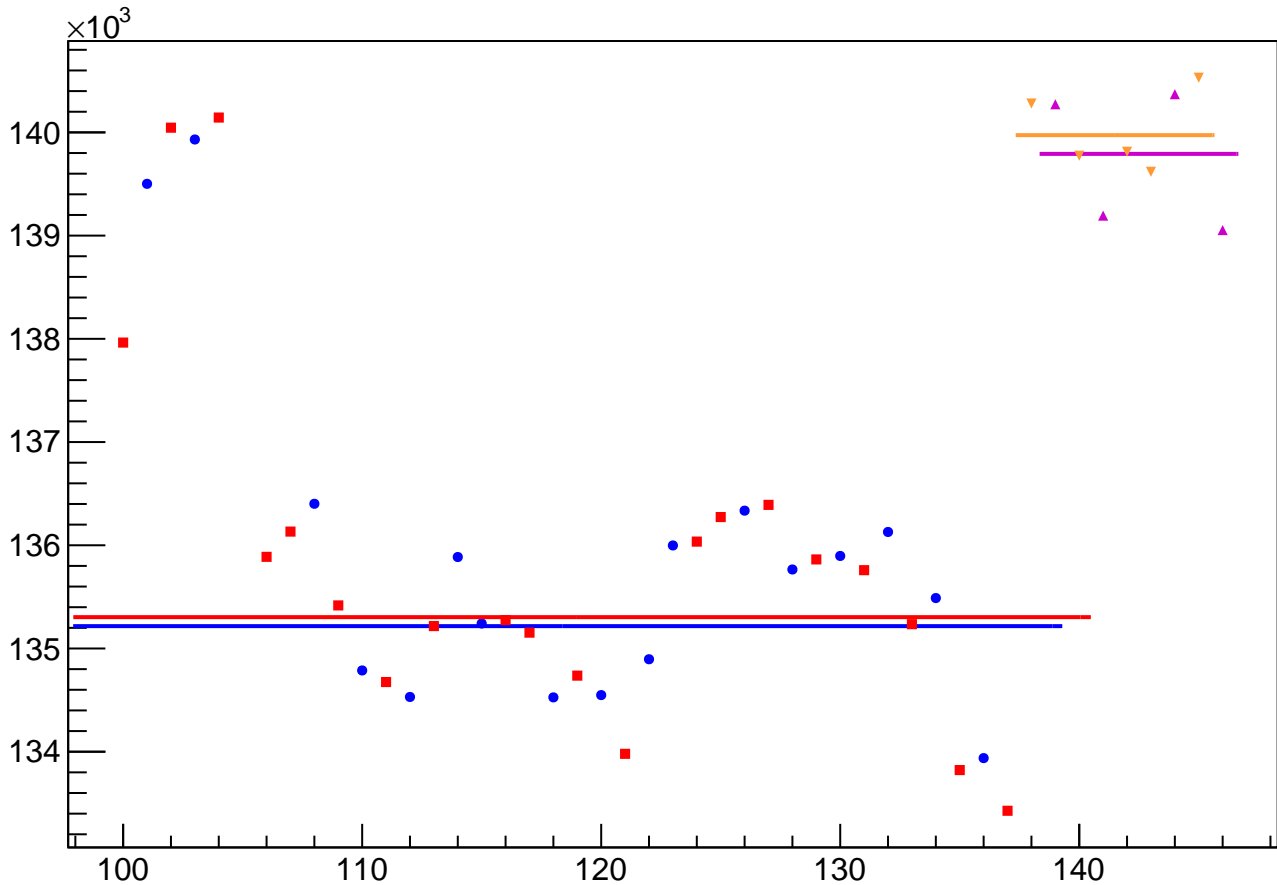
Right Out: 262.073+/-0.076 χ^2/NDF : 1630239.5/19

Left In: 197.899+/-0.082 χ^2/NDF :208414.8/3

229.958+/-0.056 χ^2/NDF : 2341667.8/21

232.445+/-0.055 χ^2/NDF : 2171390.0/23

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 ± 0.054 $\chi^2/\text{NDF}: 371347707.3/16$

Left Out: 139973.307 ± 0.099 $\chi^2/\text{NDF}: 11112959.3/4$

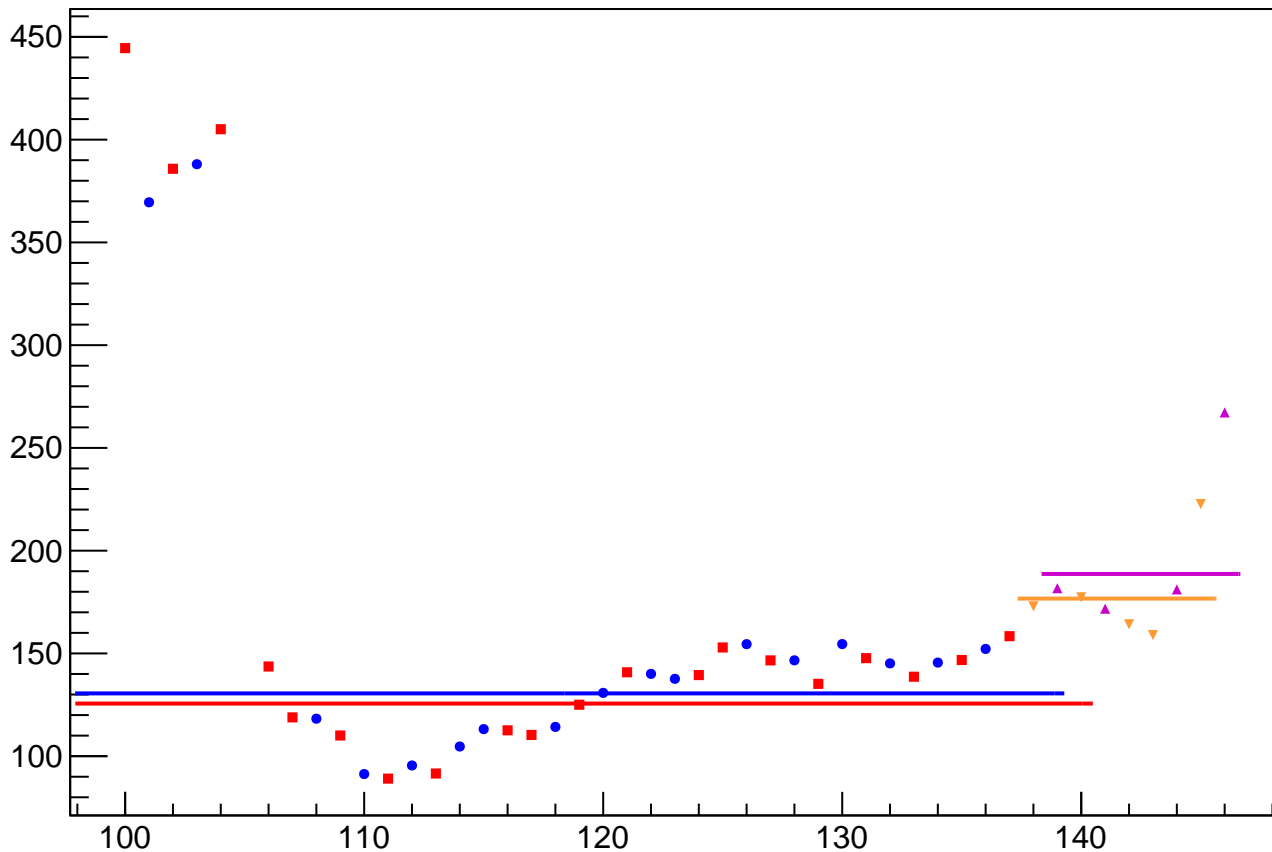
Right Out: 135303.736 ± 0.051 $\chi^2/\text{NDF}: 357717935.5/19$

Left In: 139791.705 ± 0.109 $\chi^2/\text{NDF}: 29087363.1/3$

136315.127 ± 0.048 $\chi^2/\text{NDF}: 2151051267.1/2$

136112.219 ± 0.046 $\chi^2/\text{NDF}: 1787041159.9/23$

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 +/- 0.038 χ^2/NDF : 1373104.9/16

Left Out: 176.690 +/- 0.070 χ^2/NDF : 82633.9/4

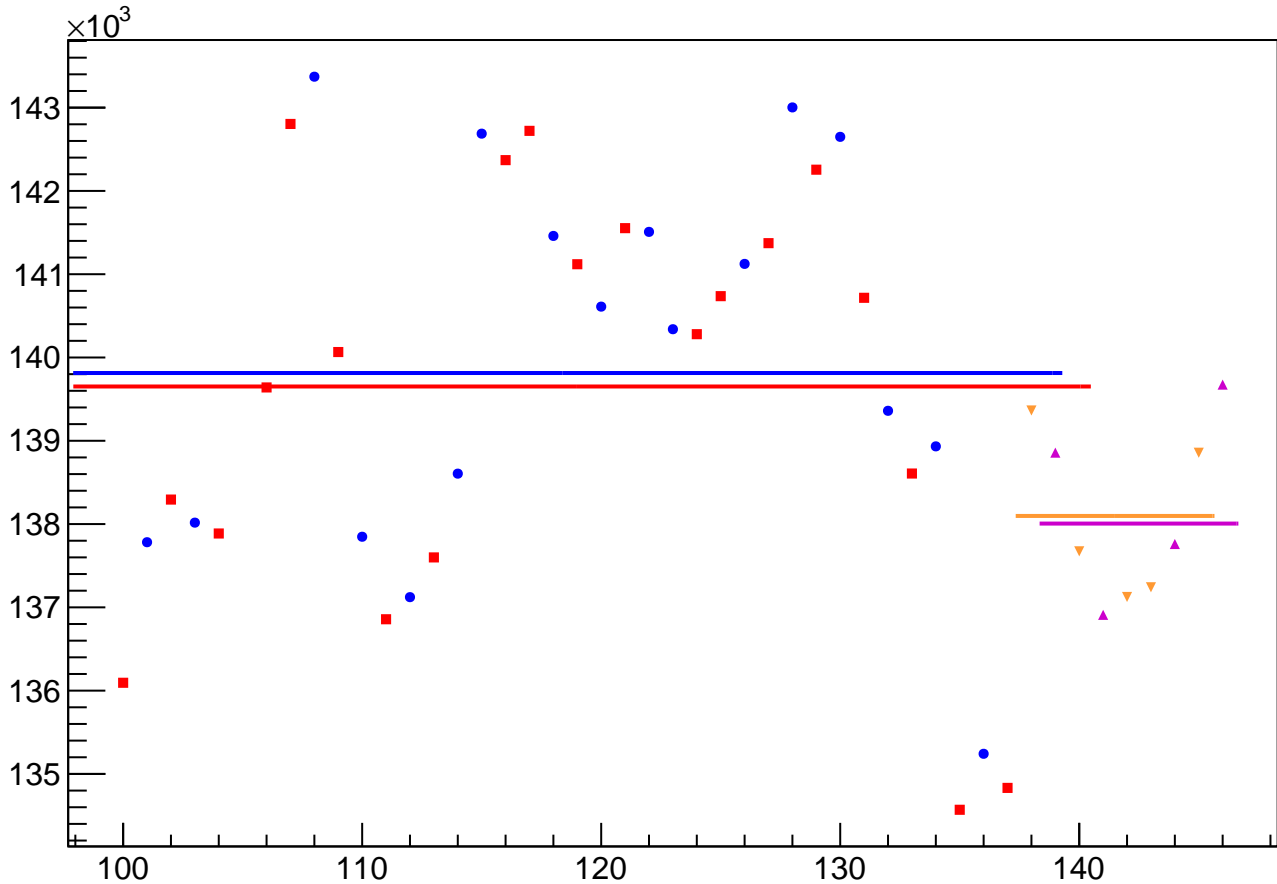
141.207 +/- 0.034 χ^2/NDF : 1788526.9/21

Right Out: 125.603 +/- 0.036 χ^2/NDF : 1441677.4/19

136.965 +/- 0.033 χ^2/NDF : 2143854.3/23

Left In: 188.674 +/- 0.077 χ^2/NDF : 149108.0/3

yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664+/-0.062 χ^2/NDF : 1689865533.6/16

Left Out: 138097.537+/-0.098 χ^2/NDF : 85662345.8/4

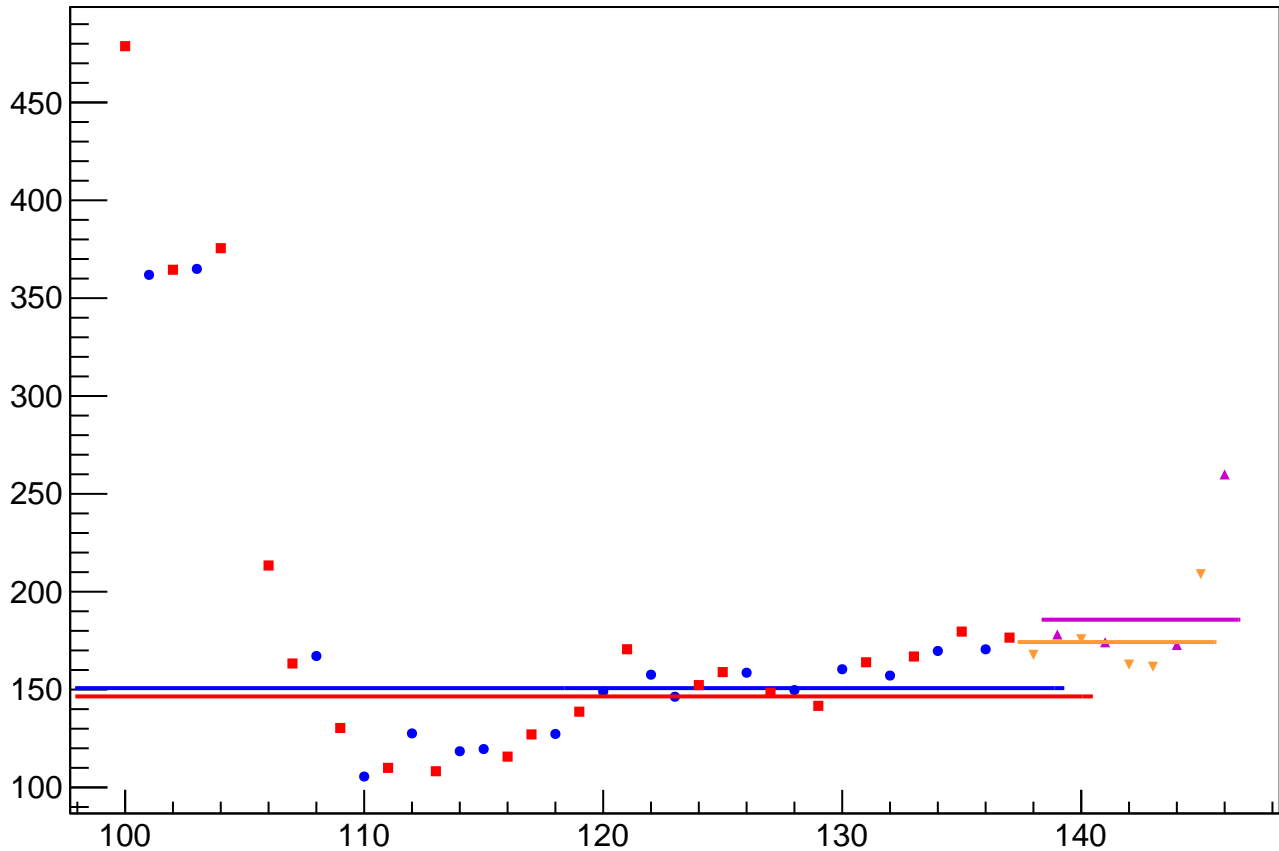
Right Out: 139651.821+/-0.059 χ^2/NDF : 1531019137.4/19

Left In: 138005.926+/-0.106 χ^2/NDF : 81682909.7/3

139322.423+/-0.052 χ^2/NDF : 1995389267.3/2

139267.603+/-0.051 χ^2/NDF : 1795931125.2/23

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

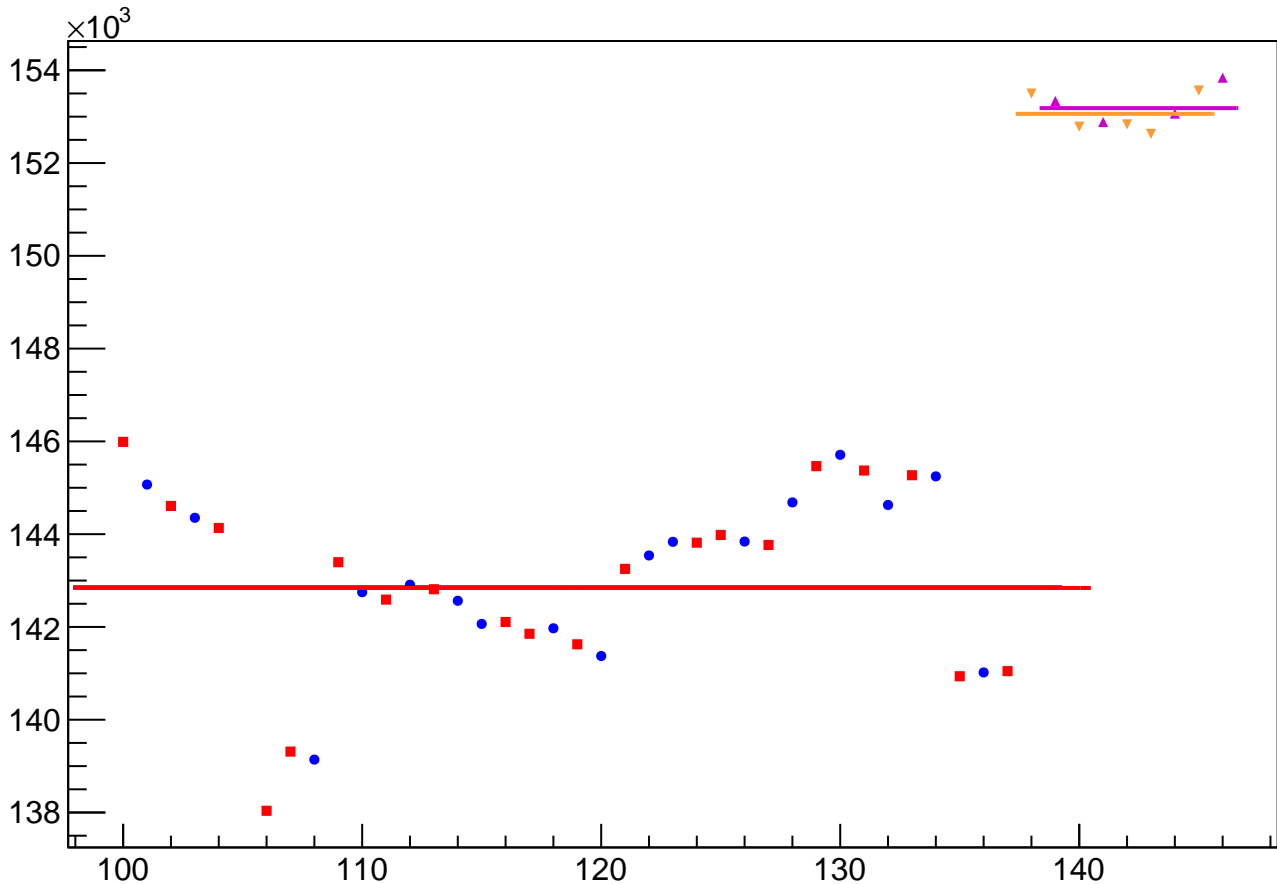
157.469+/-0.037 χ^2/NDF : 1186951.3/21

Right Out: 146.506+/-0.042 χ^2/NDF : 1205131.2/19

155.658+/-0.036 χ^2/NDF : 1557054.8/23

Left In: 185.713+/-0.075 χ^2/NDF :143974.9/3

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 ± 0.065 $\chi^2/\text{NDF}: 740367386.5/16$

Left Out: 153060.810 ± 0.099 $\chi^2/\text{NDF}: 15835568.3/4$

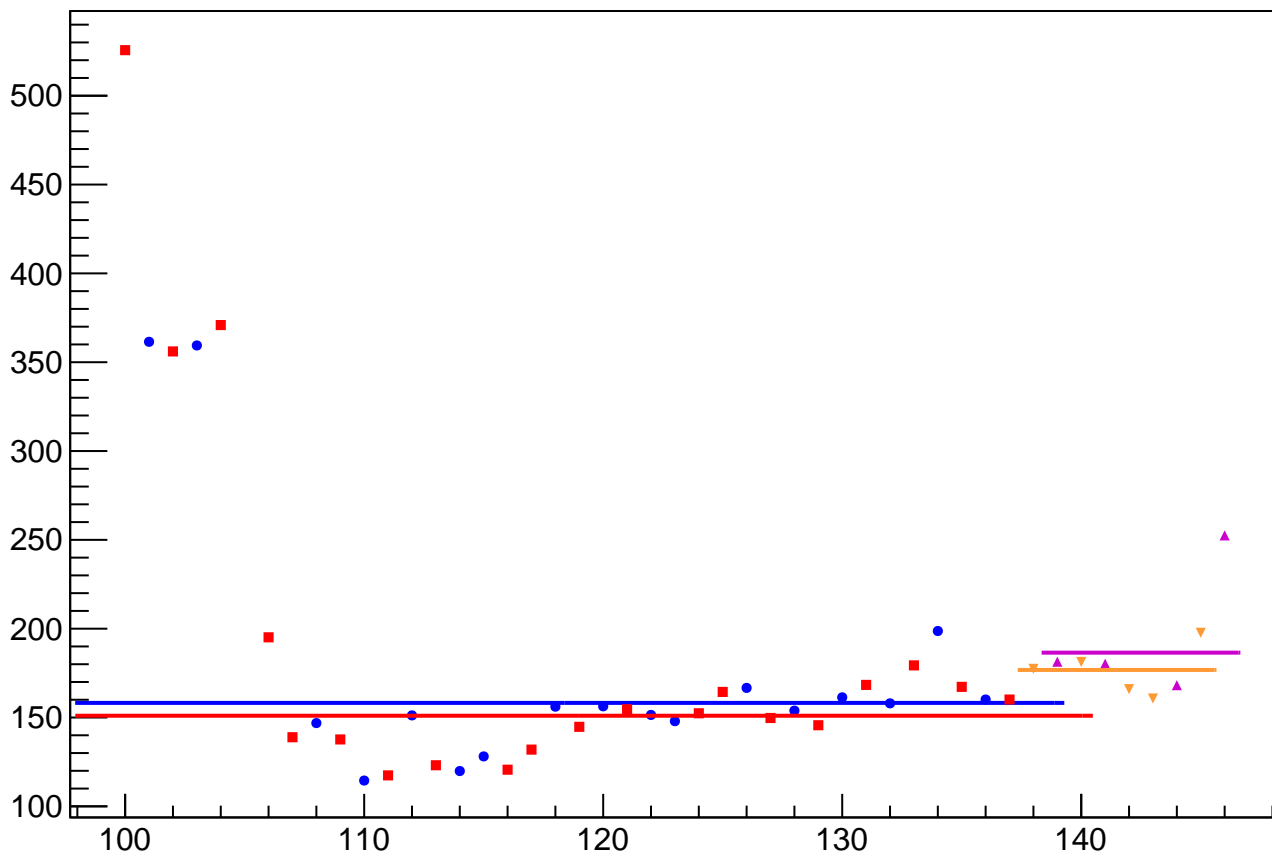
Right Out: 142840.509 ± 0.060 $\chi^2/\text{NDF}: 852484333.4/19$

Left In: 153183.950 ± 0.106 $\chi^2/\text{NDF}: 8492060.7/3$

145903.265 ± 0.054 $\chi^2/\text{NDF}: 8198908507.1/2$

145340.709 ± 0.052 $\chi^2/\text{NDF}: 8014170617.8/23$

yield_bpm0i05WS_rms vs Slug



Right In: 158.233 ± 0.046 $\chi^2/\text{NDF}: 883513.4/16$

Left Out: 176.776 ± 0.070 $\chi^2/\text{NDF}: 32820.4/4$

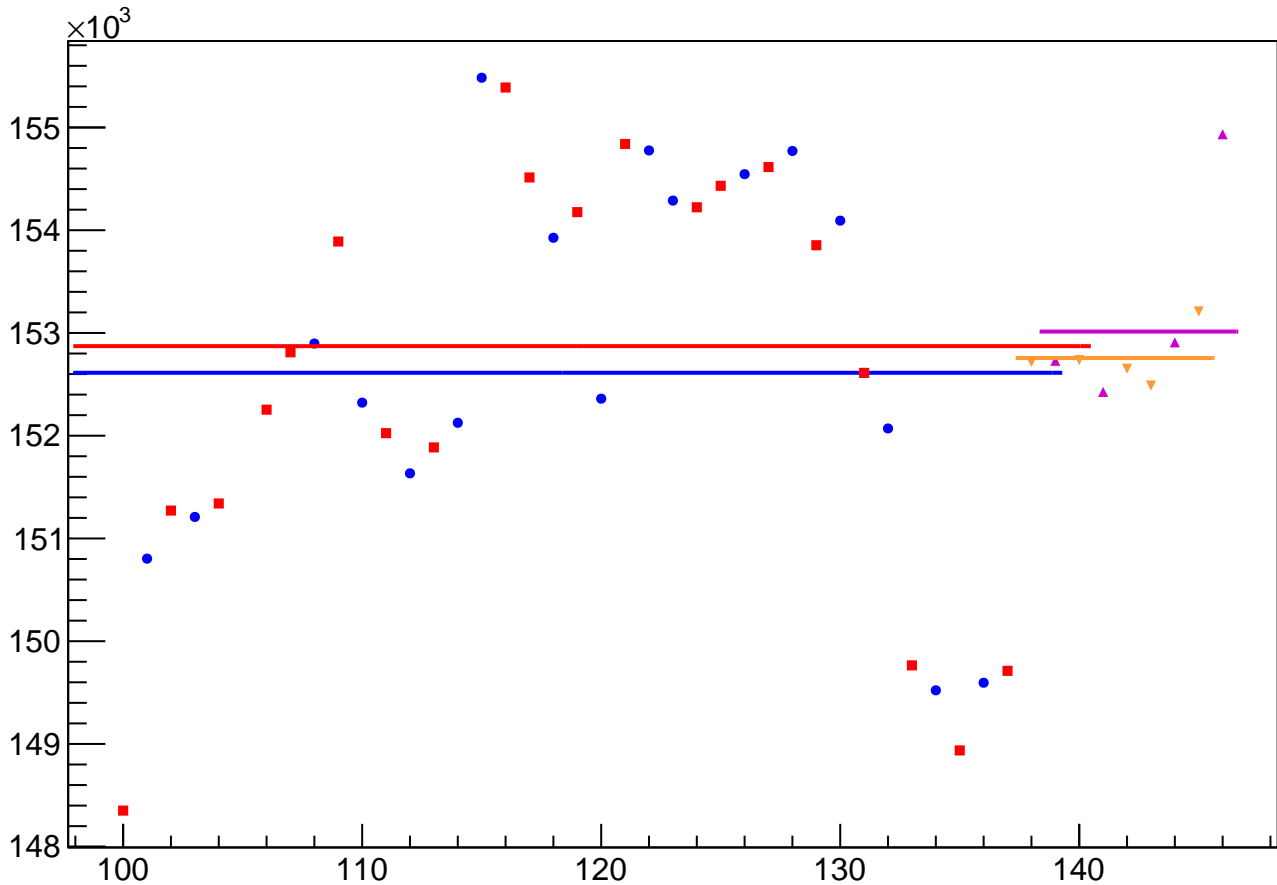
Right Out: 151.003 ± 0.043 $\chi^2/\text{NDF}: 1005104.9/19$

Left In: 186.509 ± 0.075 $\chi^2/\text{NDF}: 129973.5/3$

163.772 ± 0.038 $\chi^2/\text{NDF}: 965467.9/21$

159.585 ± 0.037 $\chi^2/\text{NDF}: 1303653.2/23$

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

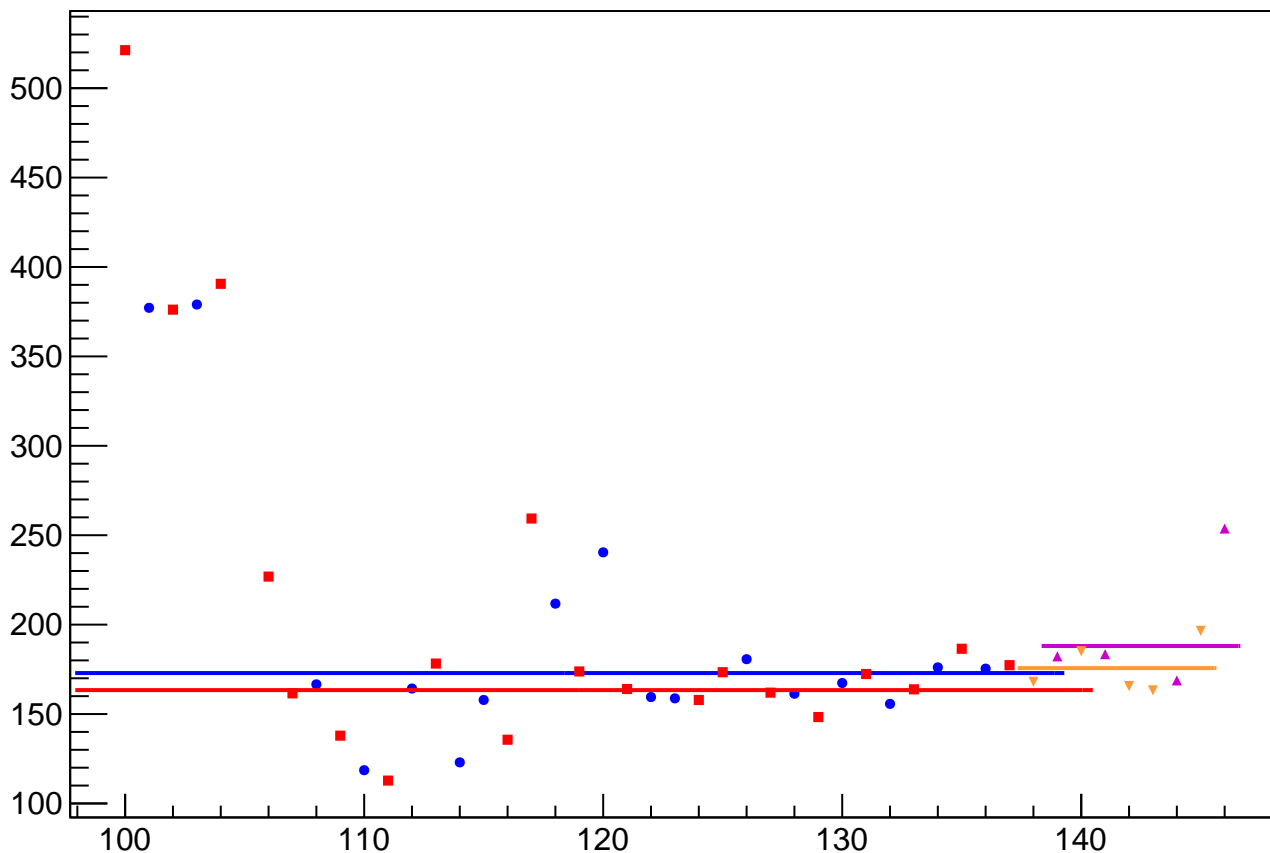
Right Out: 152871.618 \pm 0.066 χ^2 /NDF: 720639345.6/19

Left In: 153013.622 \pm 0.107 χ^2 /NDF: 55596106.4/3

152662.958 \pm 0.058 χ^2 /NDF: 628595000.5/21

152910.767 \pm 0.056 χ^2 /NDF: 777506606.7/23

yield_bpm0i07WS_rms vs Slug



Right In: 172.921 ± 0.051 $\chi^2/\text{NDF}: 941954.0/16$

Left Out: 175.687 ± 0.069 $\chi^2/\text{NDF}: 33678.9/4$

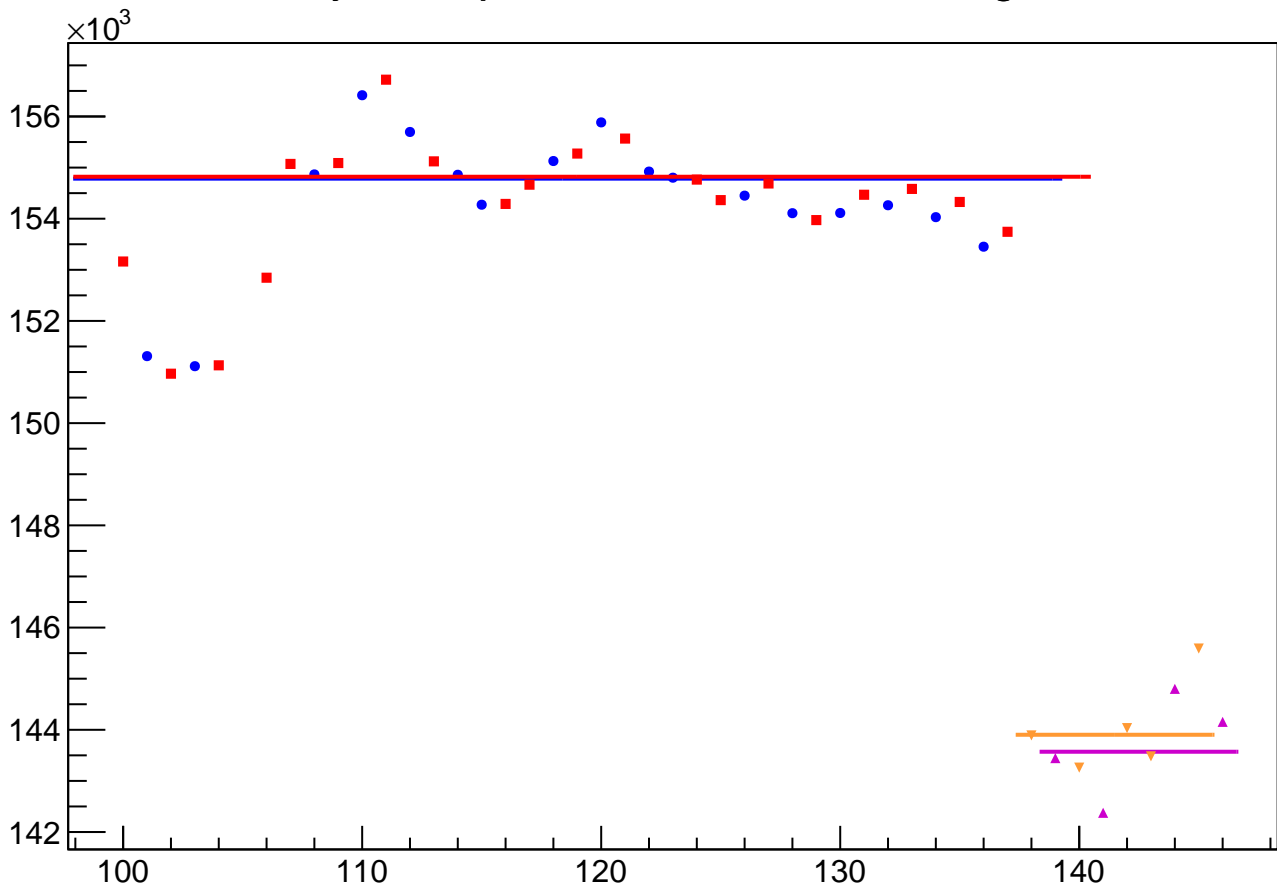
Right Out: 163.382 ± 0.047 $\chi^2/\text{NDF}: 1044431.2/19$

Left In: 188.062 ± 0.076 $\chi^2/\text{NDF}: 129801.2/3$

173.891 ± 0.041 $\chi^2/\text{NDF}: 976663.7/21$

170.186 ± 0.040 $\chi^2/\text{NDF}: 1251025.9/23$

yield_bpm1i02WS_mean vs Slug



Right In: 154783.944+/-0.065 χ^2/NDF : 265581398.0/16

Left Out: 143902.899+/-0.097 χ^2/NDF : 61237130.5/4

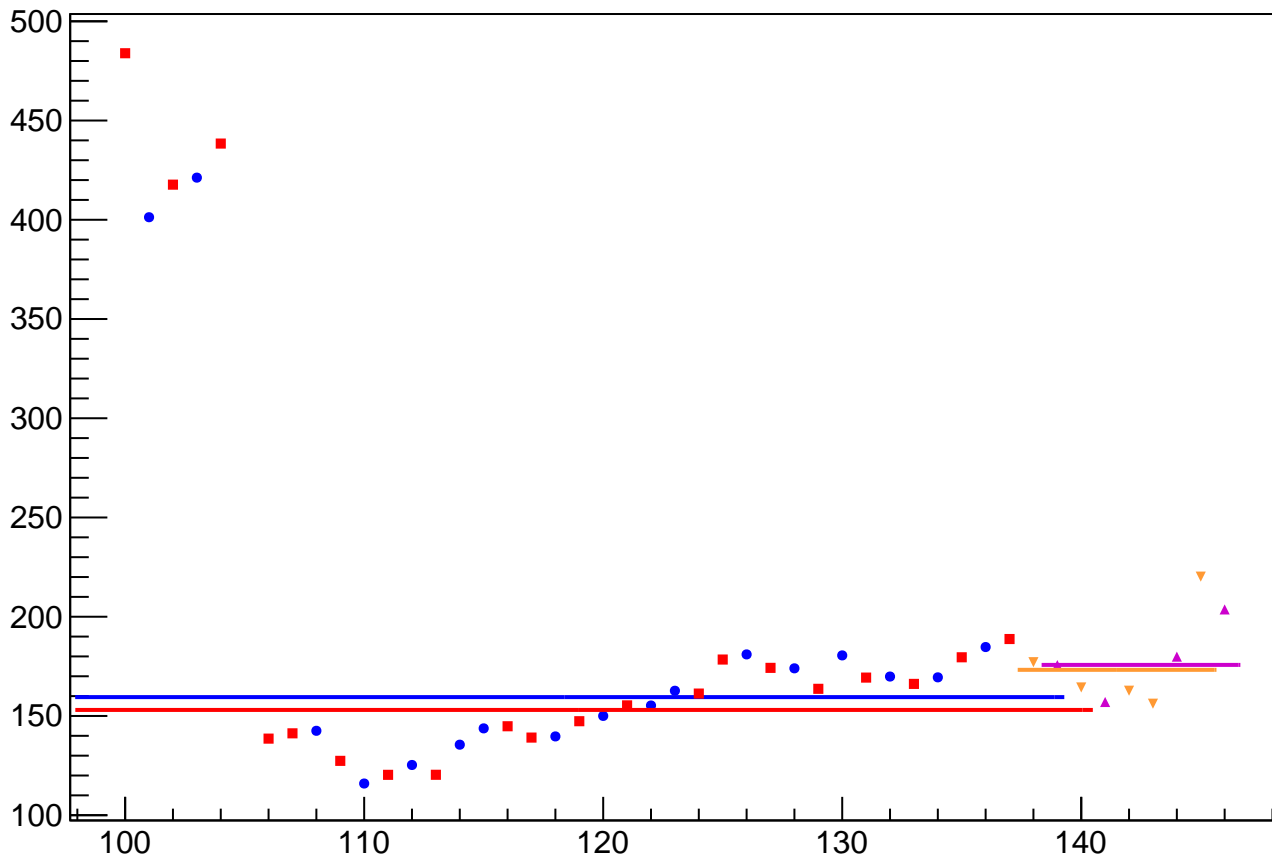
Right Out: 154820.824+/-0.061 χ^2/NDF : 293904936.4/19

Left In: 143570.672+/-0.100 χ^2/NDF : 94993018.9/3

151369.603+/-0.054 χ^2/NDF : 902137998.7/2

151774.350+/-0.052 χ^2/NDF : 9710484166.0/23

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 +/- 0.046 χ^2/NDF : 1131844.5/16

Left Out: 173.244 +/- 0.068 χ^2/NDF : 92277.3/4

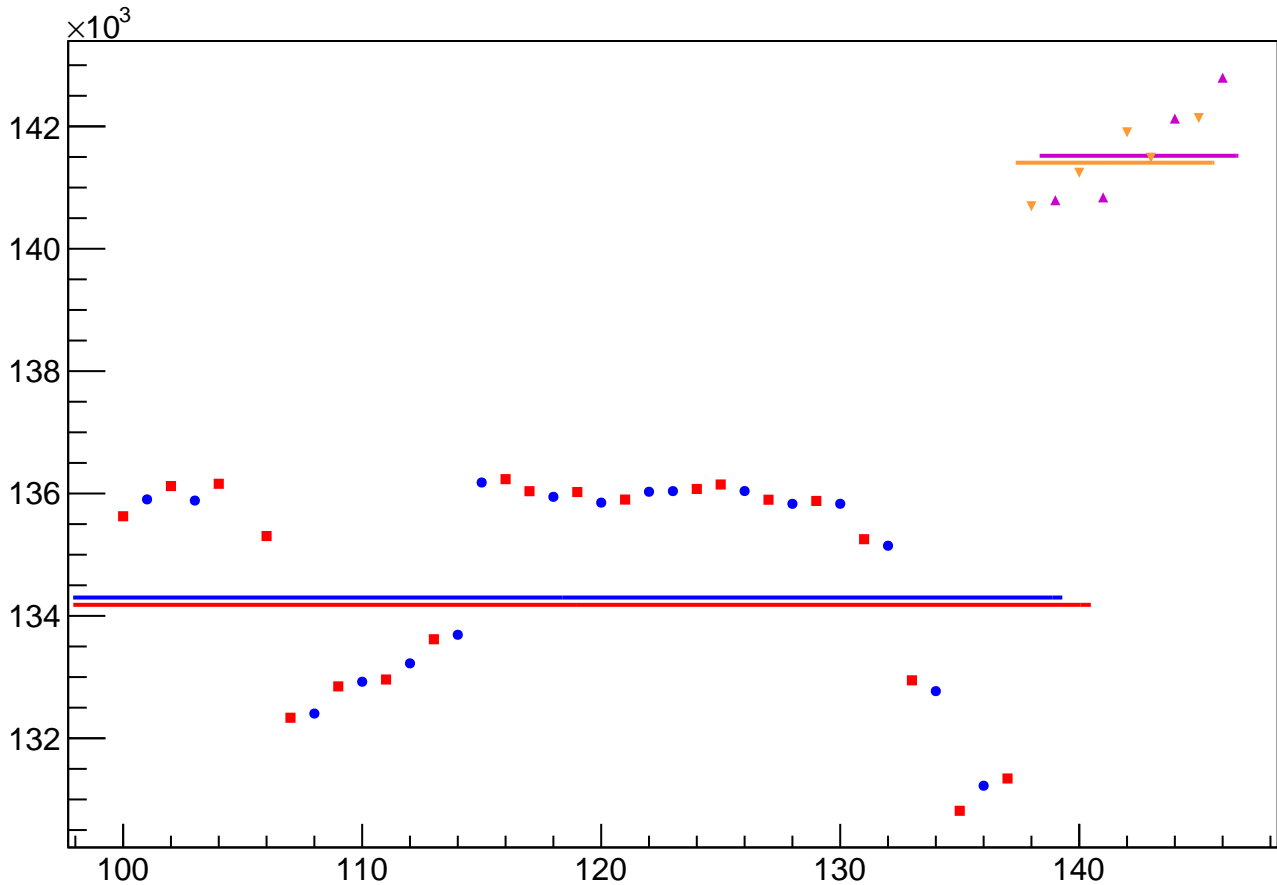
163.815 +/- 0.038 χ^2/NDF : 1251849.7/21

Right Out: 153.038 +/- 0.043 χ^2/NDF : 1174616.4/19

159.183 +/- 0.037 χ^2/NDF : 1304625.2/23

Left In: 175.730 +/- 0.070 χ^2/NDF : 54160.3/3

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

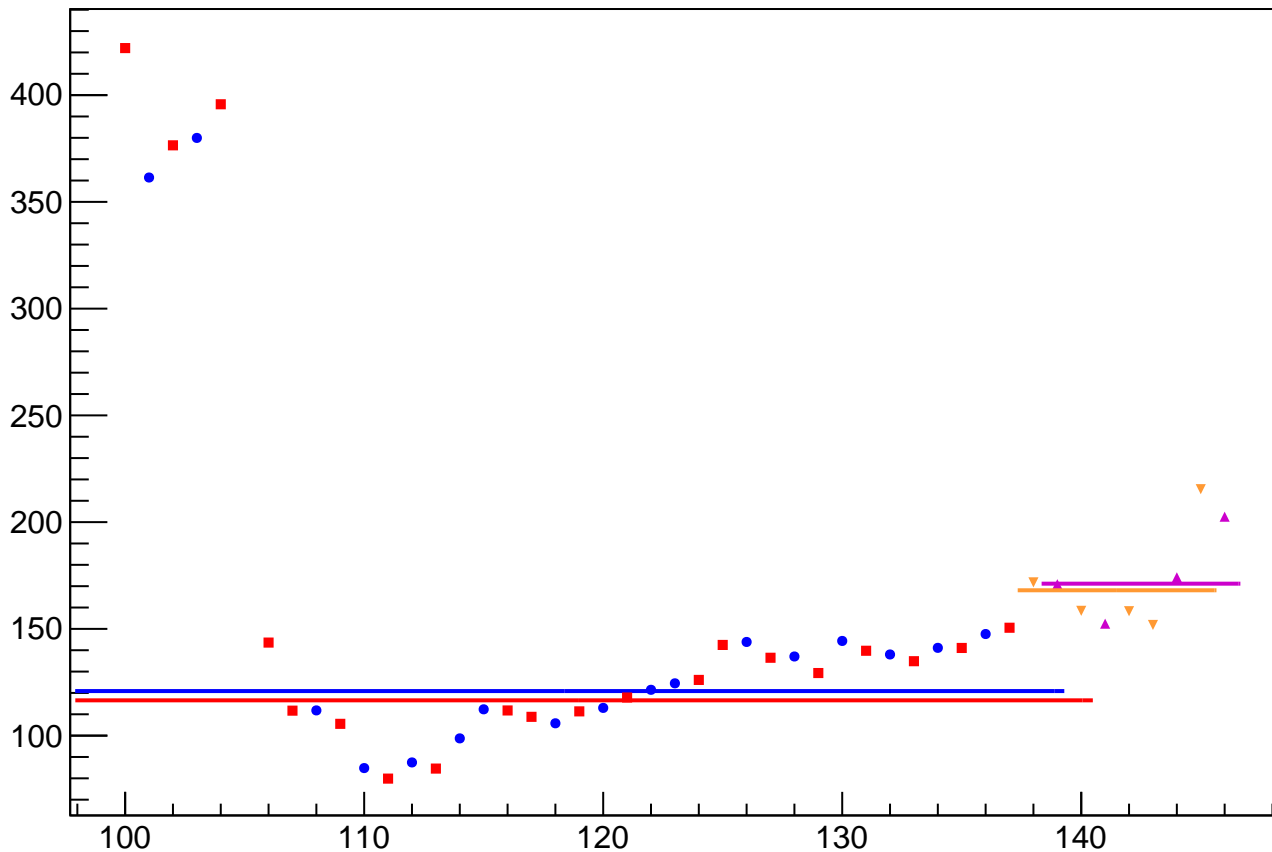
Right Out: 134180.888 \pm 0.047 χ^2 /NDF: 1224202240.2/19

Left In: 141519.750 \pm 0.097 χ^2 /NDF: 70156550.7/3

135887.147 \pm 0.044 χ^2 /NDF: 5626342621.3/2

135583.896 \pm 0.042 χ^2 /NDF: 5916172807.4/23

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

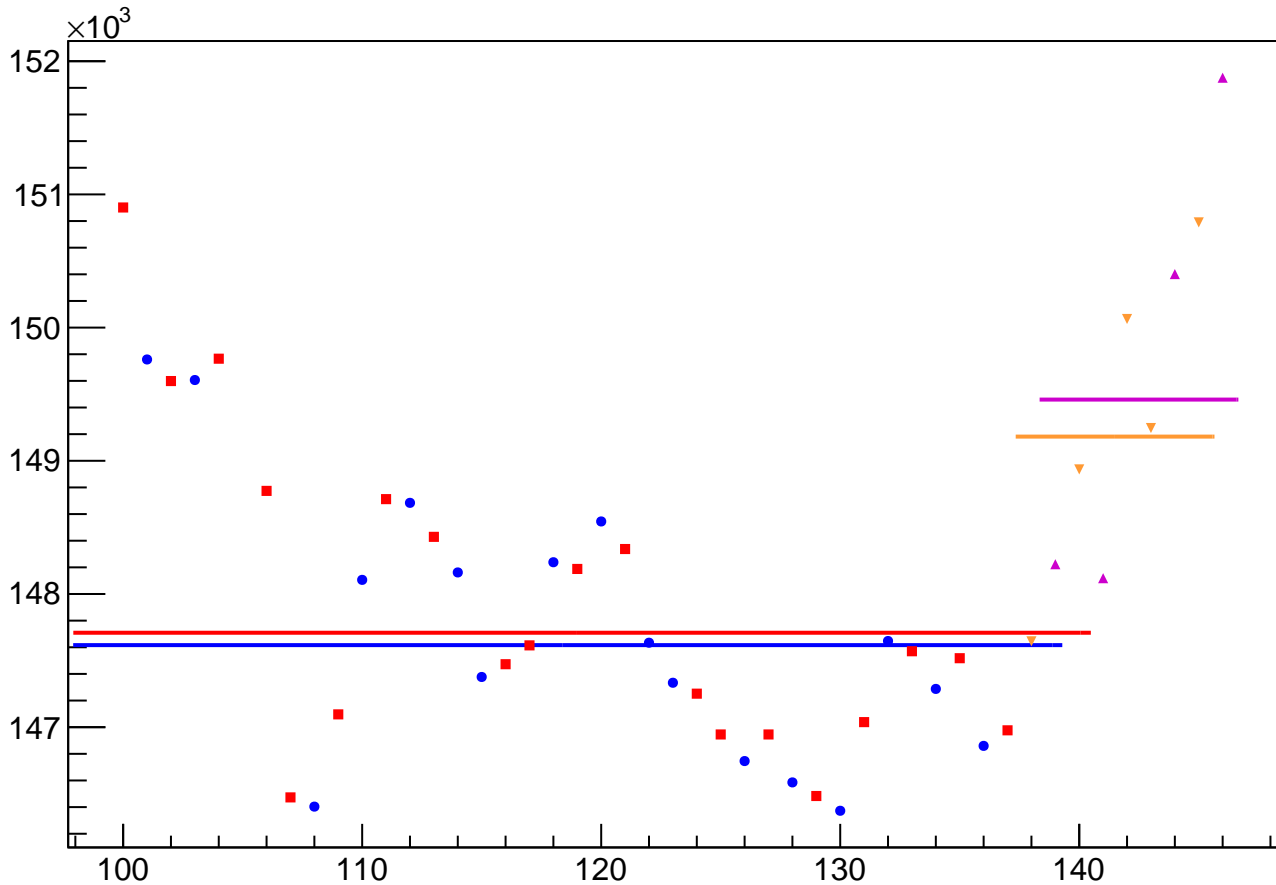
Right Out: 116.531 +/- 0.033 χ^2/NDF : 1541779.4/19

Left In: 171.177 +/- 0.069 χ^2/NDF : 63248.1/3

131.415 +/- 0.031 χ^2/NDF : 1953279.5/21

126.978 +/- 0.030 χ^2/NDF : 2117533.0/23

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

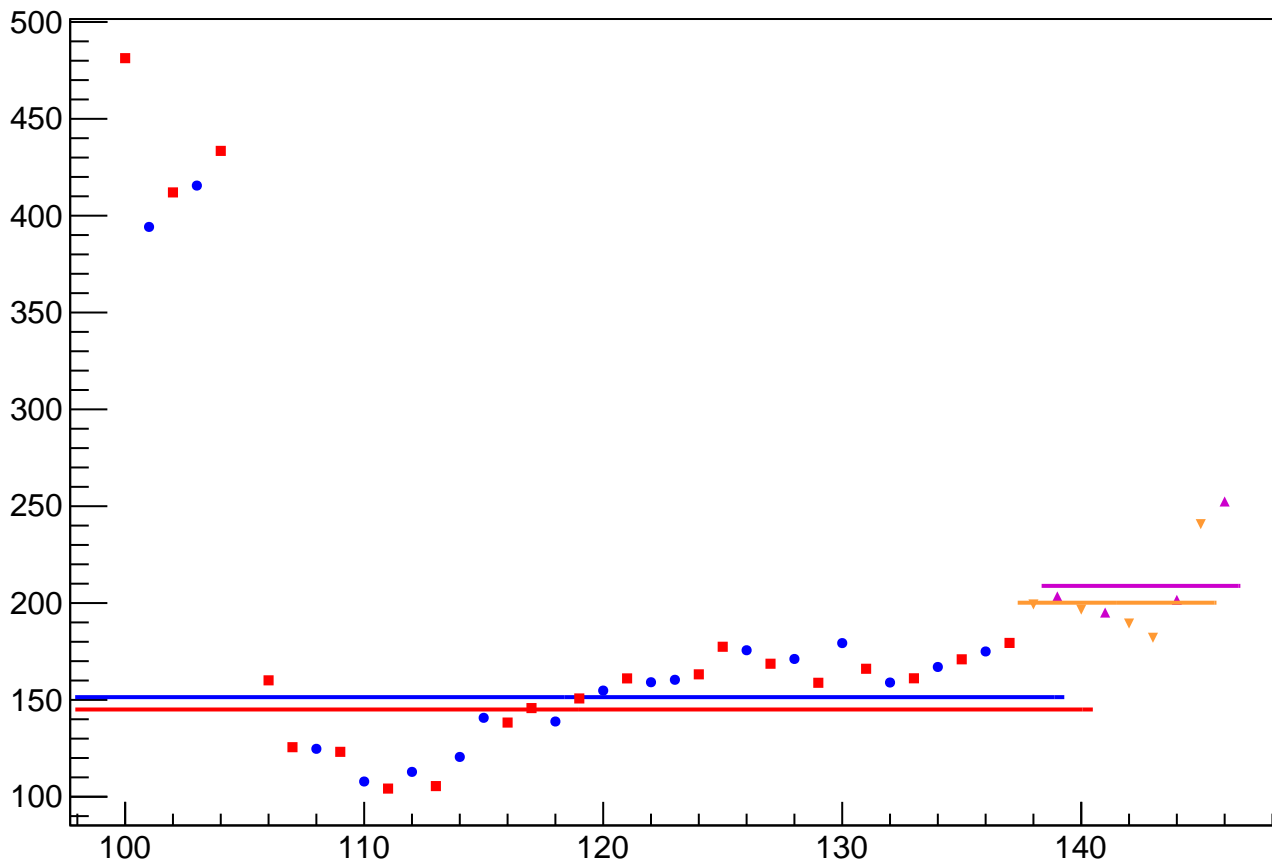
Right Out: 147709.096 ± 0.058 χ^2/NDF : 203924272.1/19

Left In: 149459.560 ± 0.118 χ^2/NDF : 155648501.0/3

147990.279 ± 0.055 χ^2/NDF : 436325744.1/21

148050.186 ± 0.052 χ^2/NDF : 536240182.9/23

yield_bpm1i06WS_rms vs Slug



Right In: 151.424+/-0.044 χ^2/NDF : 1257843.0/16

Left Out: 200.180+/-0.079 χ^2/NDF : 58092.0/4

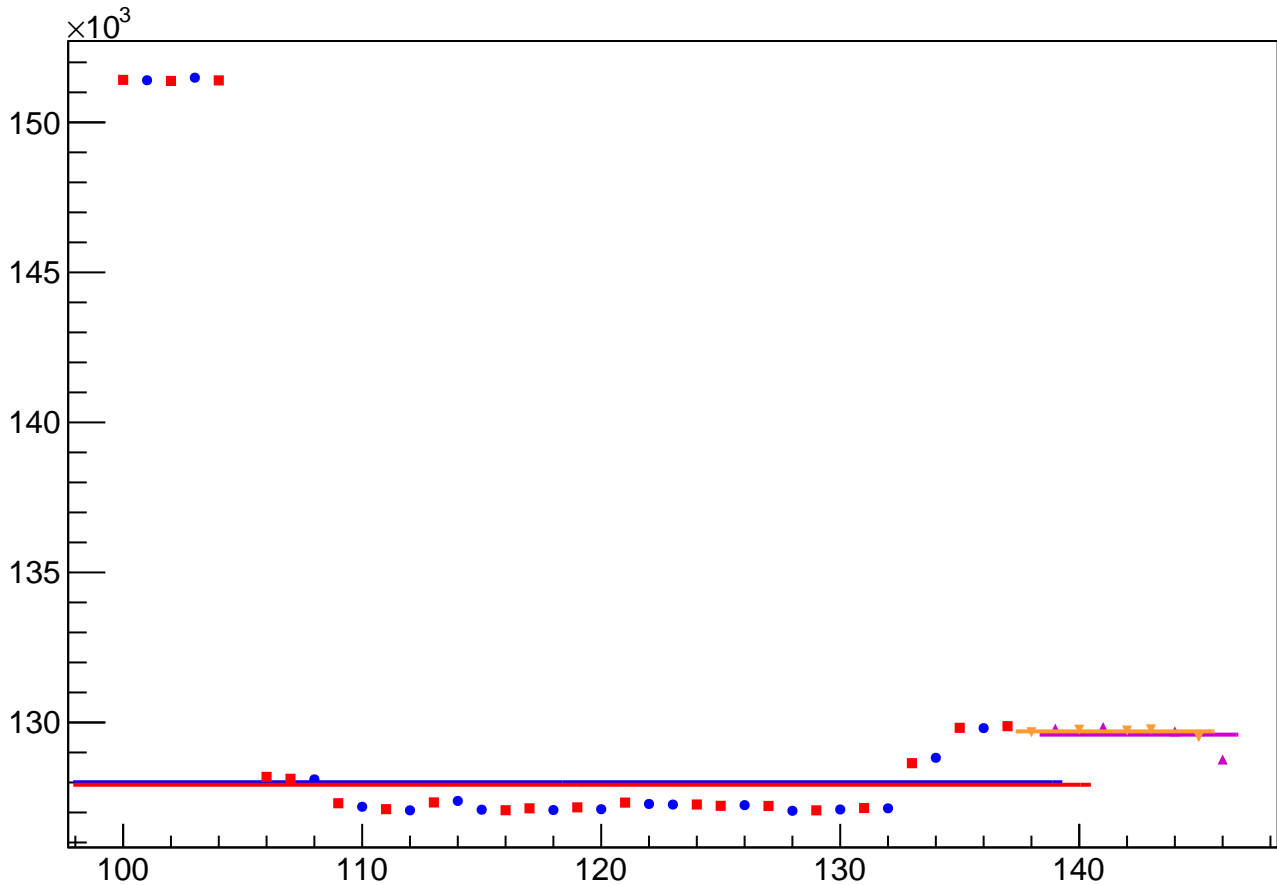
163.076+/-0.039 χ^2/NDF : 1606955.6/21

Right Out: 145.044+/-0.041 χ^2/NDF : 1375974.1/19

157.480+/-0.037 χ^2/NDF : 1904385.3/23

Left In: 208.866+/-0.084 χ^2/NDF : 58715.7/3

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

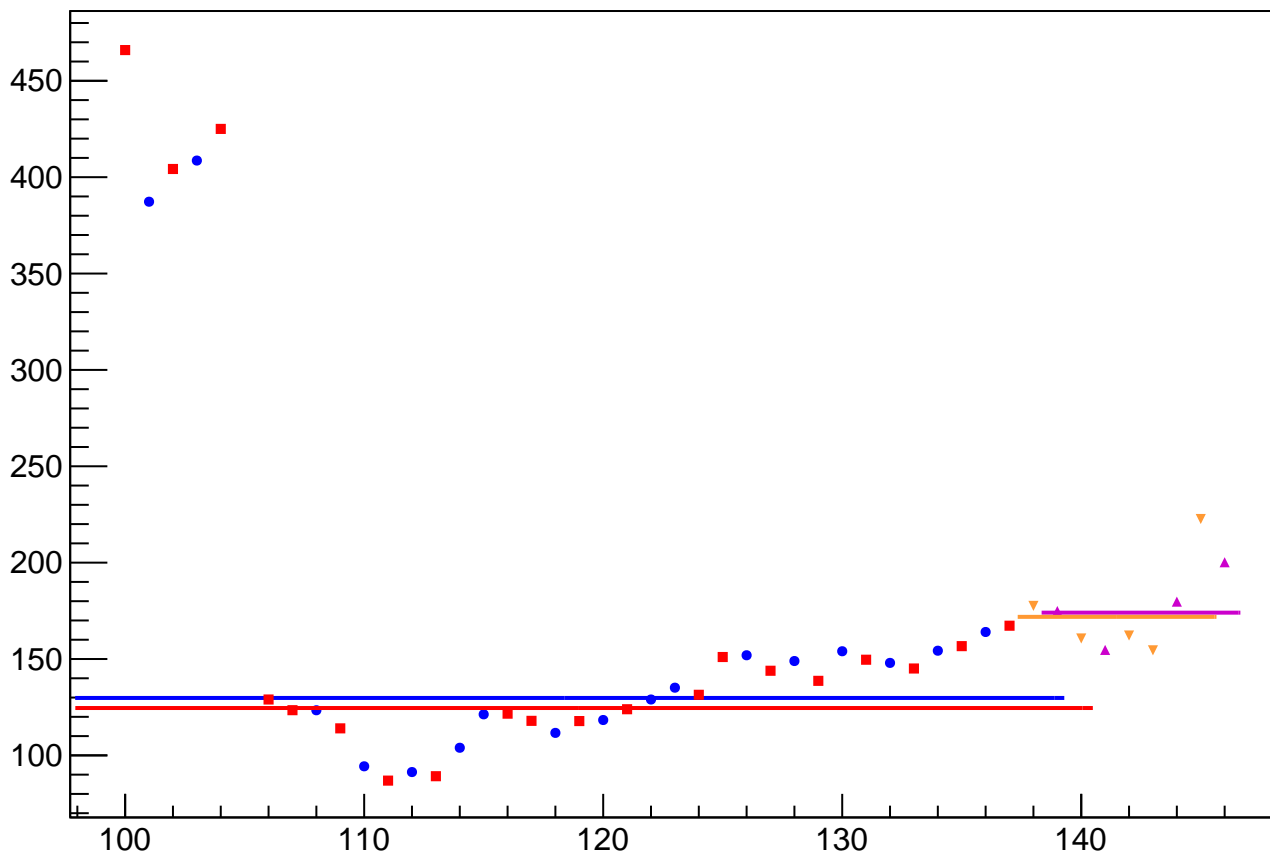
Right Out: 127923.940 \pm 0.050 χ^2 /NDF: 3770107280.1/19

Left In: 129594.709 \pm 0.099 χ^2 /NDF: 16754293.6/3

128416.086 \pm 0.047 χ^2 /NDF: 4557188720.3/2

128267.425 \pm 0.045 χ^2 /NDF: 4014738670.8/23

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 \pm 0.038 χ^2 /NDF: 1485294.2/16

139.938 \pm 0.033 χ^2 /NDF: 1882997.6/21

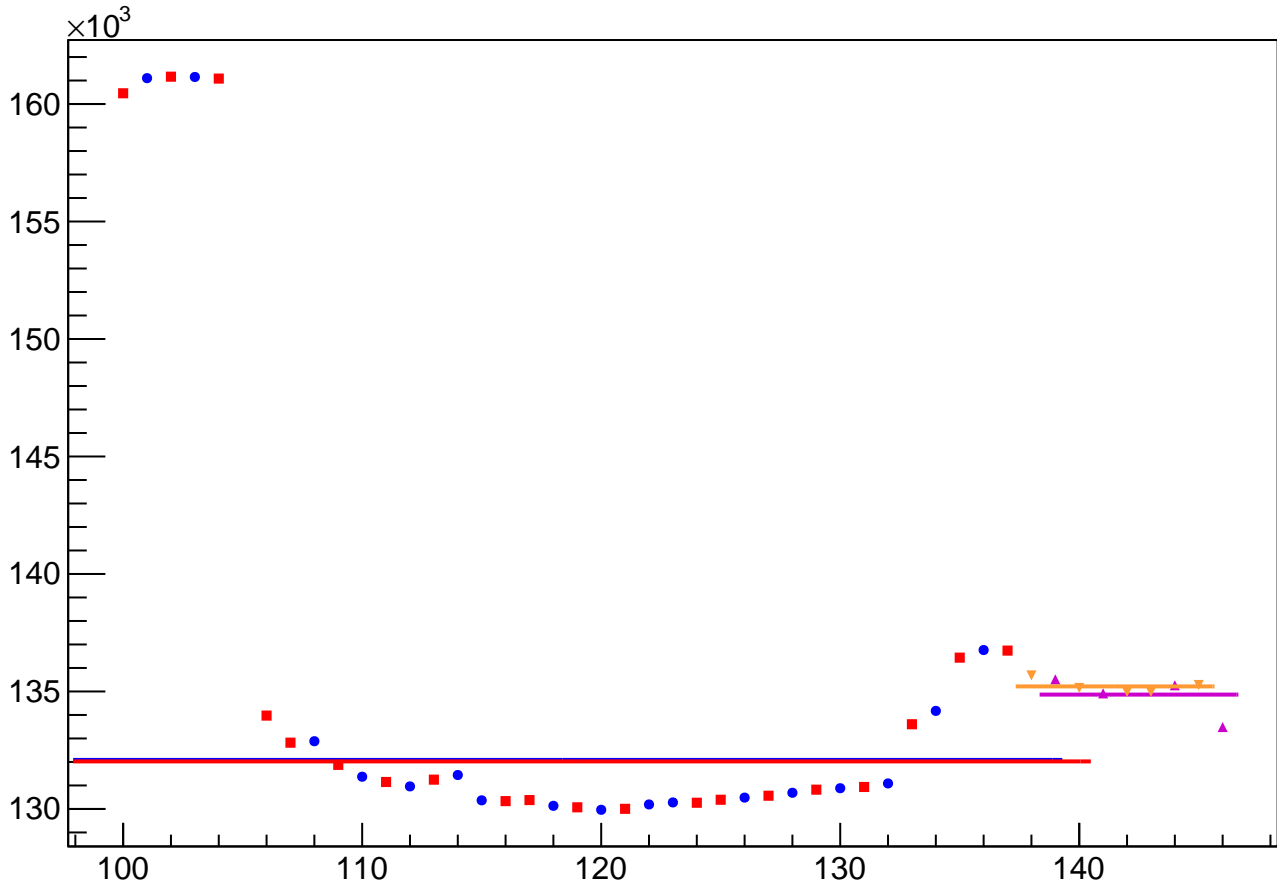
Left Out: 171.871 \pm 0.068 χ^2 /NDF:106349.3/4

Right Out: 124.572 \pm 0.035 χ^2 /NDF: 1532105.0/19

134.744 \pm 0.032 χ^2 /NDF: 1986293.3/23

Left In: 174.052 \pm 0.070 χ^2 /NDF:54471.0/3

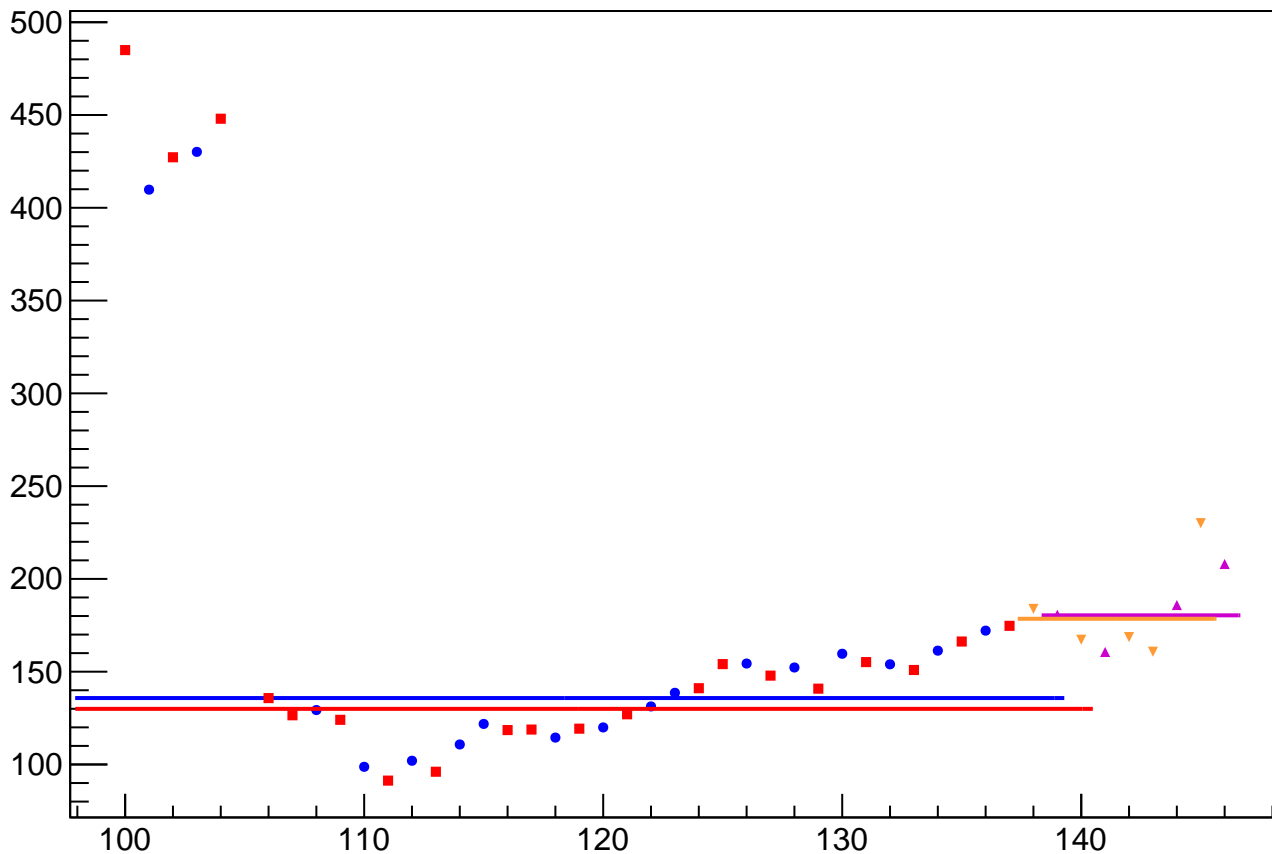
yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 \pm 0.057 χ^2 /NDF: 6733230928.7/16
Left Out: 135215.506 \pm 0.100 χ^2 /NDF: 6964590.9/4
Right Out: 132023.609 \pm 0.052 χ^2 /NDF: 5890492527.2/19
Left In: 134866.741 \pm 0.102 χ^2 /NDF: 47009888.8/3

132847.971 \pm 0.049 χ^2 /NDF: 7485556883.1/2
132613.747 \pm 0.047 χ^2 /NDF: 6550704480.1/23

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

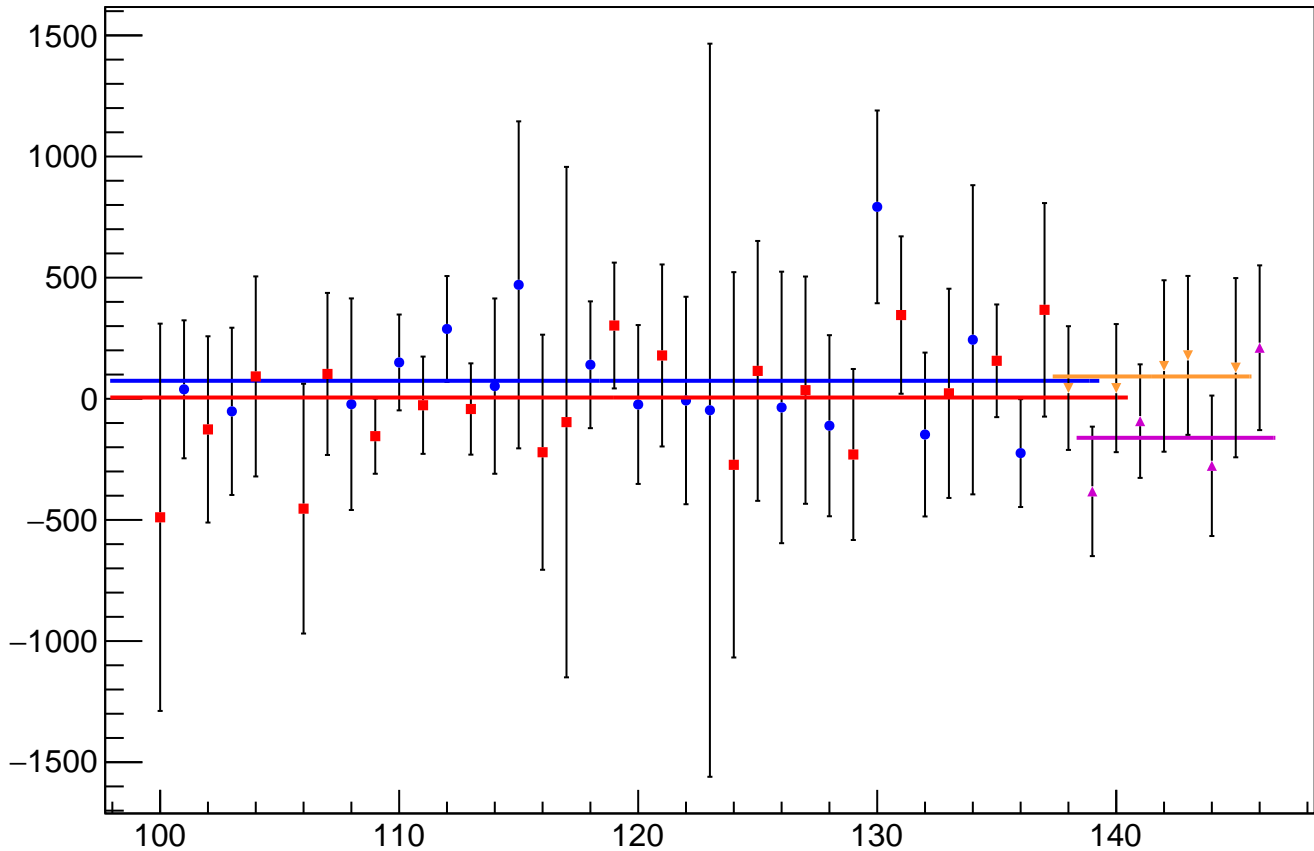
146.190+/-0.035 χ^2/NDF : 1822041.8/21

Right Out: 129.975+/-0.037 χ^2/NDF : 1504768.0/19

140.435+/-0.033 χ^2/NDF : 1944504.6/23

Left In: 180.369+/-0.072 χ^2/NDF : 54433.6/3

asym_bcm_an_ds_mean vs Slug



Right In: 74.294 ± 79.018 $\chi^2/\text{NDF}: 7.7/16$

Left Out: 92.117 ± 135.793 $\chi^2/\text{NDF}: 0.2/4$

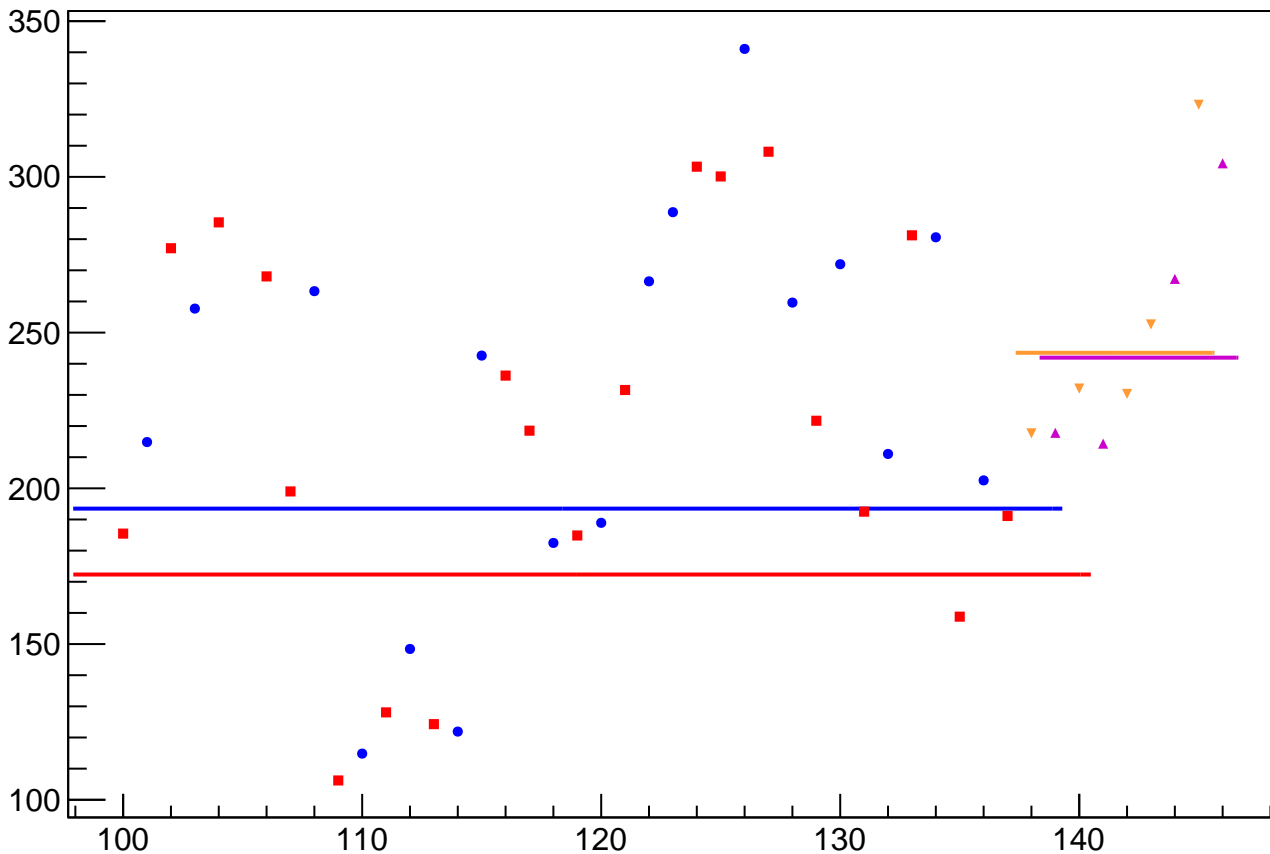
Right Out: 5.290 ± 69.914 $\chi^2/\text{NDF}: 7.1/19$

Left In: -161.061 ± 137.670 $\chi^2/\text{NDF}: 2.1/3$

78.803 ± 68.297 $\chi^2/\text{NDF}: 7.9/21$

-28.816 ± 62.337 $\chi^2/\text{NDF}: 10.4/23$

asym_bcm_an_ds_rms vs Slug



Right In: 193.488 \pm 0.056 χ^2/NDF : 1017195.7/16

Left Out: 243.523 \pm 0.096 χ^2/NDF : 121315.9/4

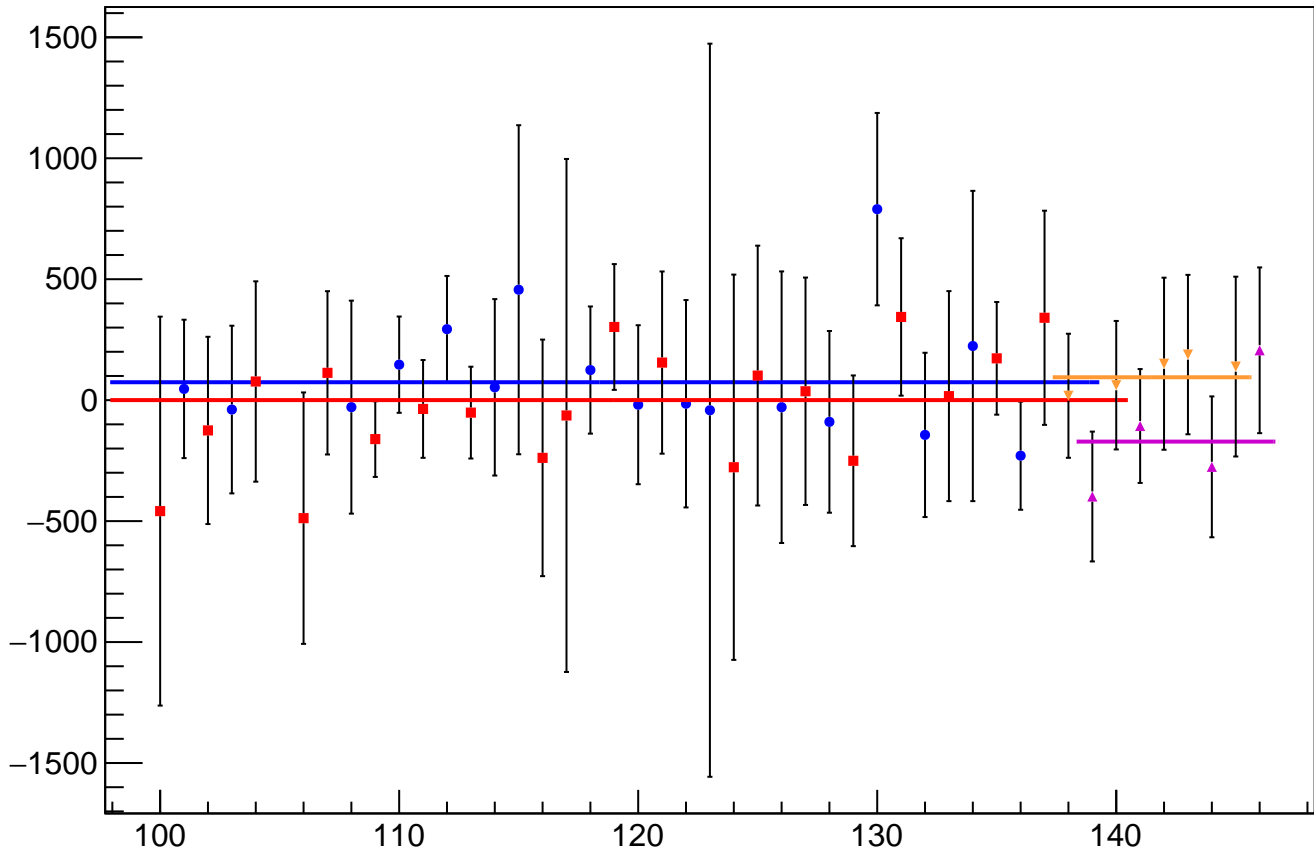
Right Out: 172.327 \pm 0.049 χ^2/NDF : 1583701.4/19

Left In: 241.960 \pm 0.097 χ^2/NDF : 126649.5/3

206.145 \pm 0.048 χ^2/NDF : 1341358.0/21

186.603 \pm 0.044 χ^2/NDF : 2117113.5/23

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

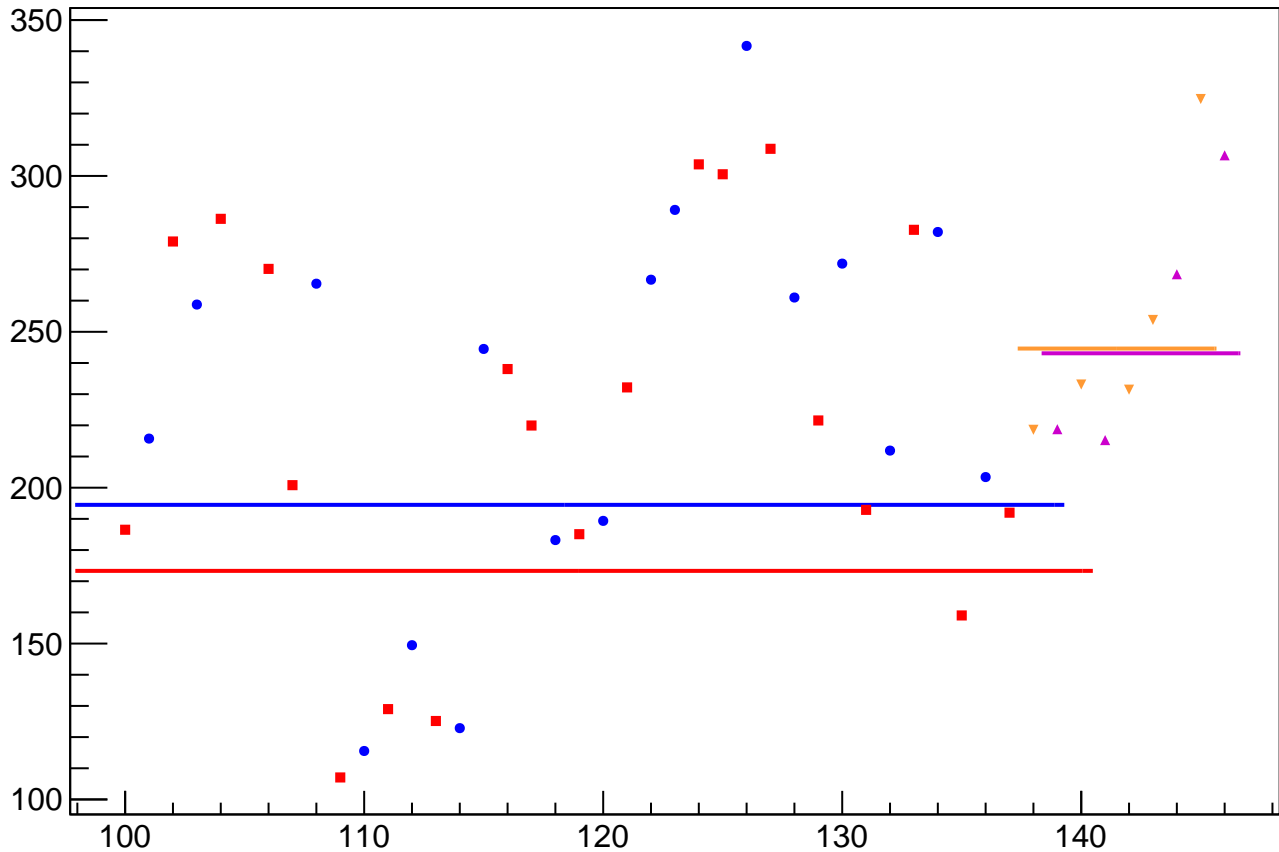
Right Out: 0.223+/-70.282 χ^2/NDF : 7.3/19

Left In: -171.336+/-138.343 χ^2/NDF : 2.1/3

79.296+/-68.625 χ^2/NDF : 7.8/21

-34.971+/-62.660 χ^2/NDF : 10.7/23

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496 ± 0.056 $\chi^2/\text{NDF}: 1008514.7/16$

Left Out: 244.631 ± 0.096 $\chi^2/\text{NDF}: 121494.8/4$

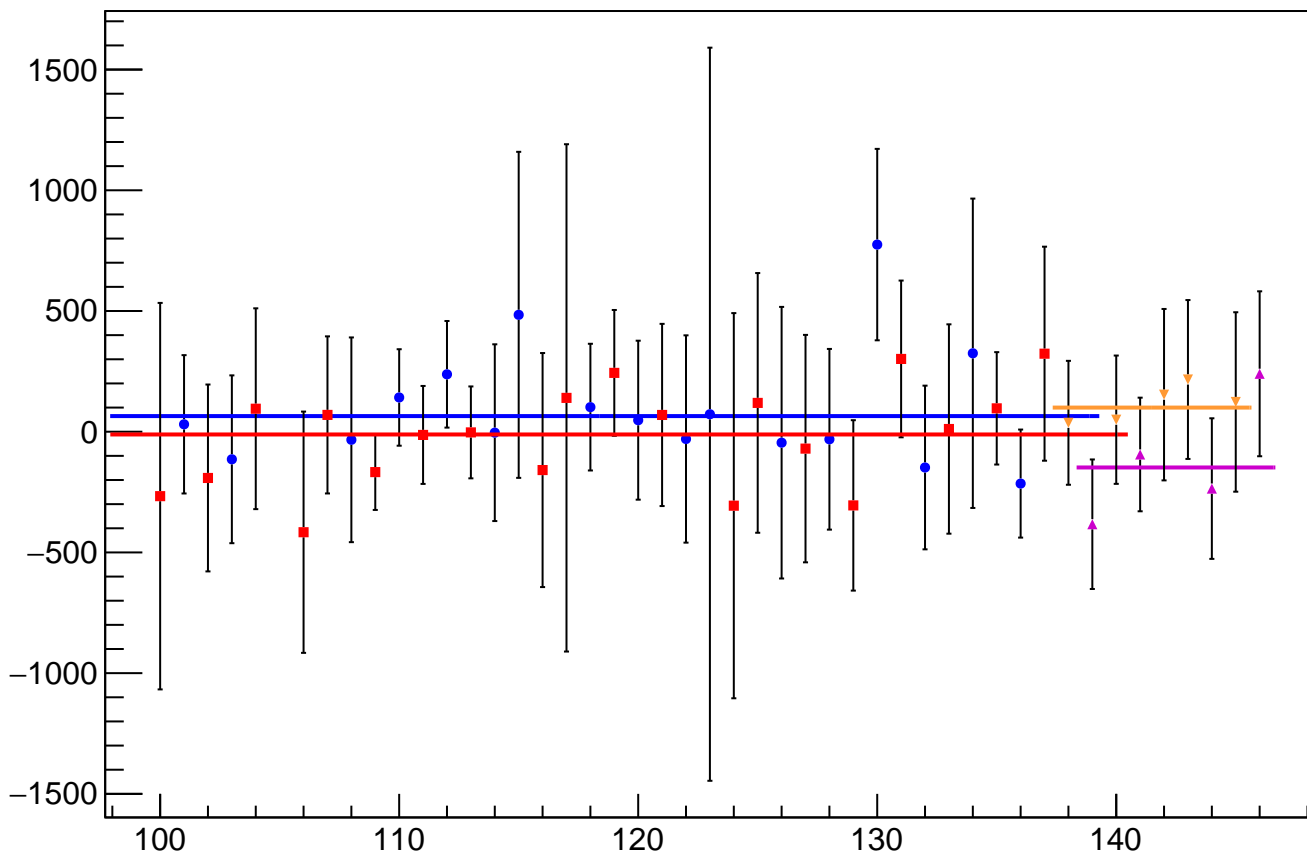
Right Out: 173.317 ± 0.050 $\chi^2/\text{NDF}: 1571258.4/19$

Left In: 243.106 ± 0.098 $\chi^2/\text{NDF}: 128340.9/3$

207.184 ± 0.049 $\chi^2/\text{NDF}: 1331786.2/21$

187.634 ± 0.044 $\chi^2/\text{NDF}: 2104156.6/23$

asym_bcm_an_us_mean vs Slug



Right In: 64.733 ± 79.399 $\chi^2/\text{NDF}: 7.0/16$

Left Out: 99.943 ± 136.391 $\chi^2/\text{NDF}: 0.2/4$

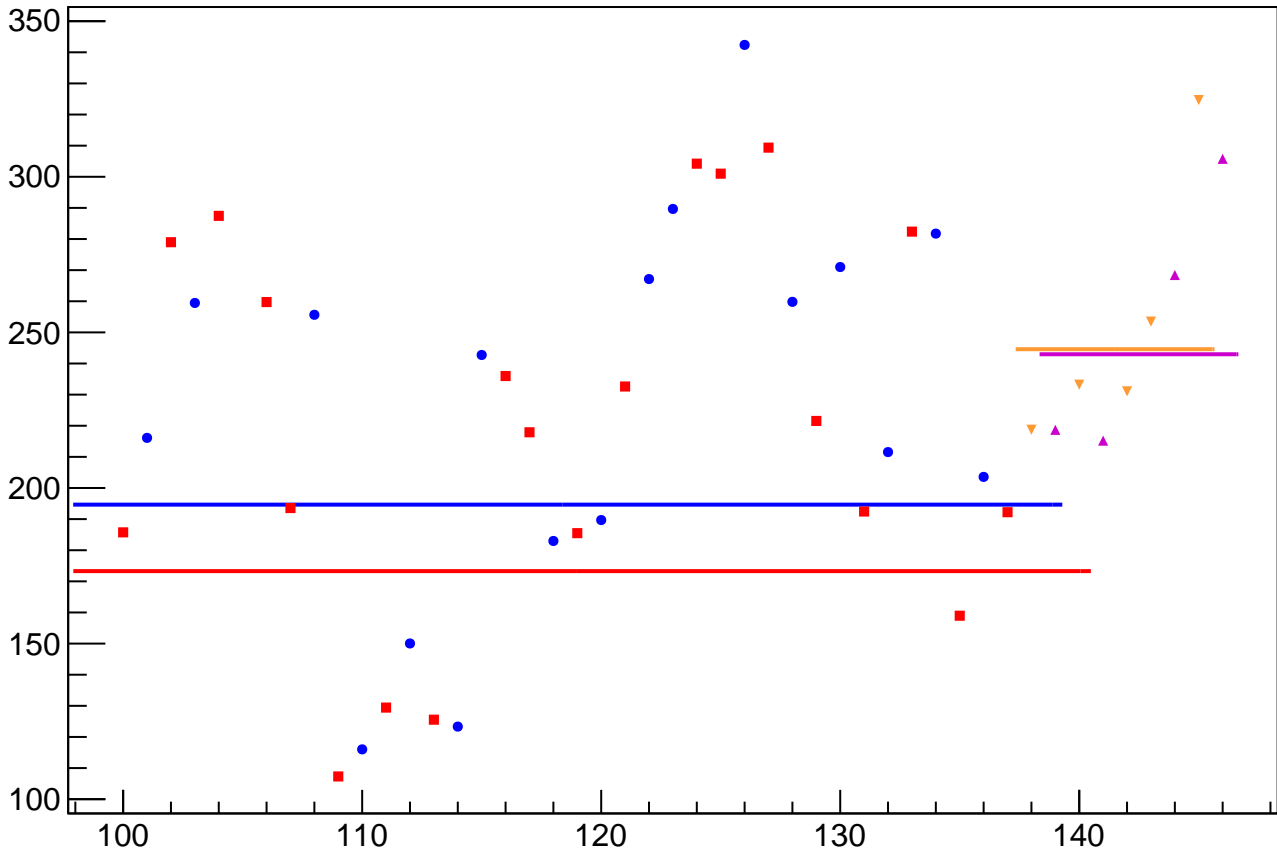
Right Out: -11.414 ± 70.204 $\chi^2/\text{NDF}: 5.8/19$

Left In: -148.102 ± 138.249 $\chi^2/\text{NDF}: 2.2/3$

73.645 ± 68.619 $\chi^2/\text{NDF}: 7.3/21$

-39.436 ± 62.595 $\chi^2/\text{NDF}: 8.8/23$

asym_bcm_an_us_rms vs Slug



Right In: 194.652 \pm 0.056 χ^2 /NDF: 986798.9/16

Left Out: 244.598 \pm 0.096 χ^2 /NDF: 121188.5/4

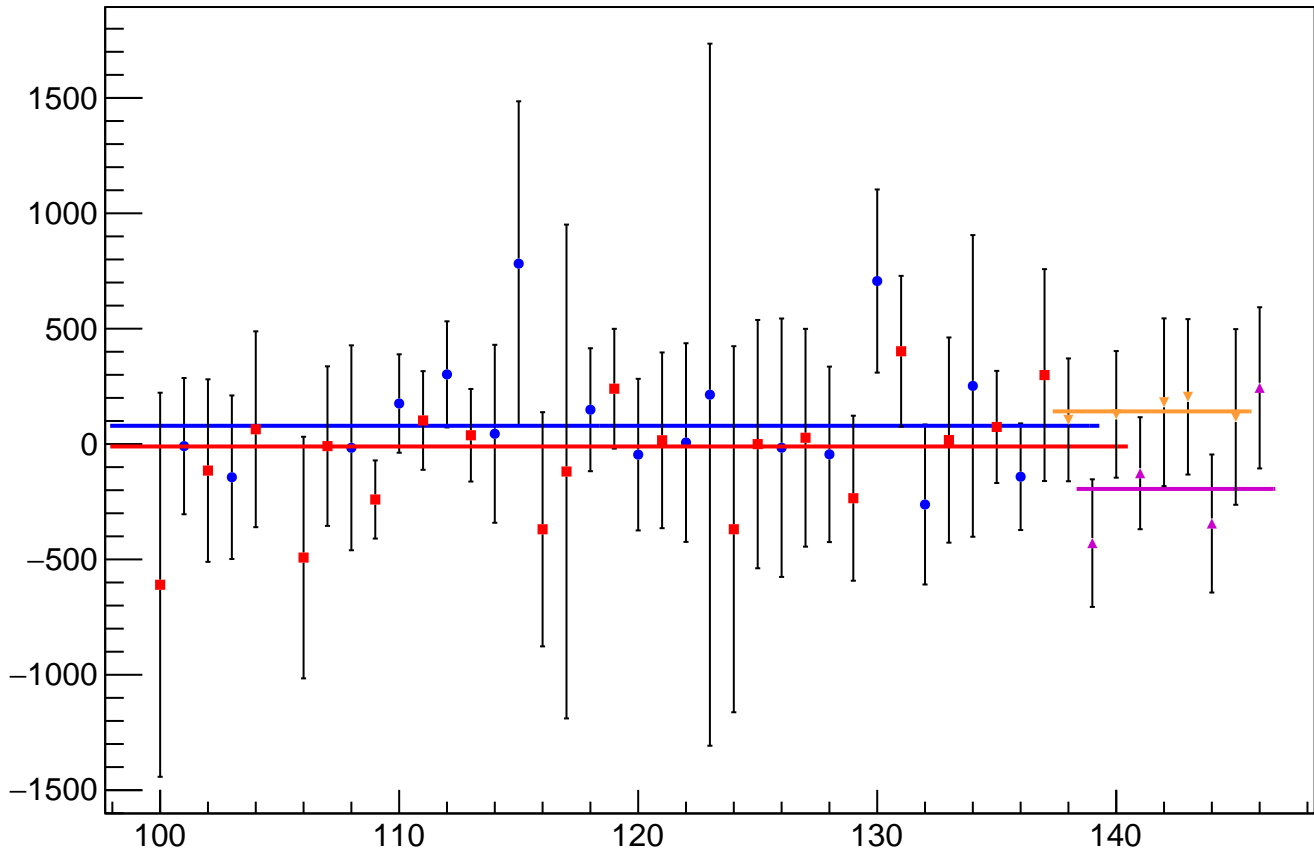
Right Out: 173.289 \pm 0.050 χ^2 /NDF: 1548162.6/19

Left In: 242.971 \pm 0.098 χ^2 /NDF: 127117.9/3

207.294 \pm 0.049 χ^2 /NDF: 1308307.1/21

187.574 \pm 0.044 χ^2 /NDF: 2079215.8/23

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

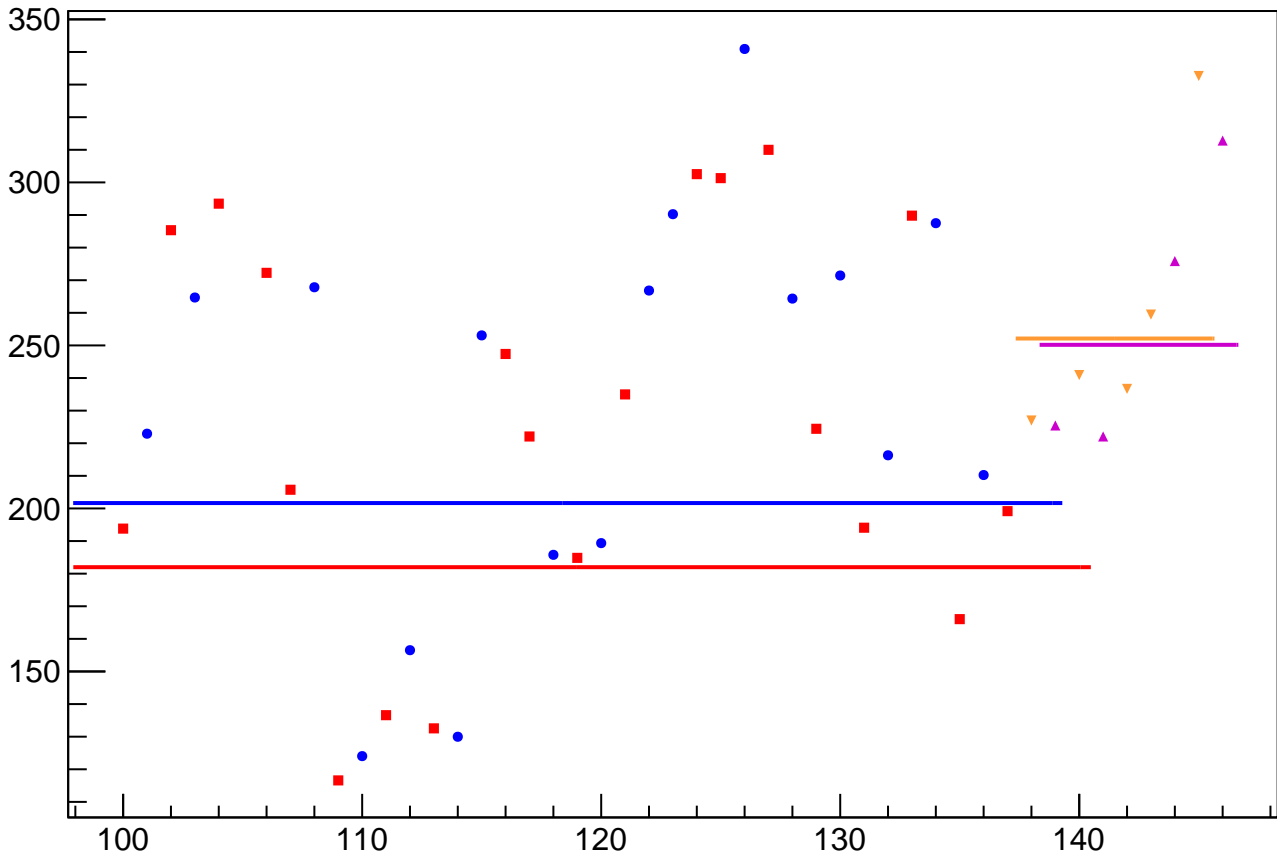
Right Out: -10.491+/-73.139 χ^2/NDF : 7.9/19

Left In: -194.488+/-142.241 χ^2/NDF : 2.6/3

94.960+/-70.737 χ^2/NDF : 7.7/21

-48.966+/-65.044 χ^2/NDF : 11.8/23

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

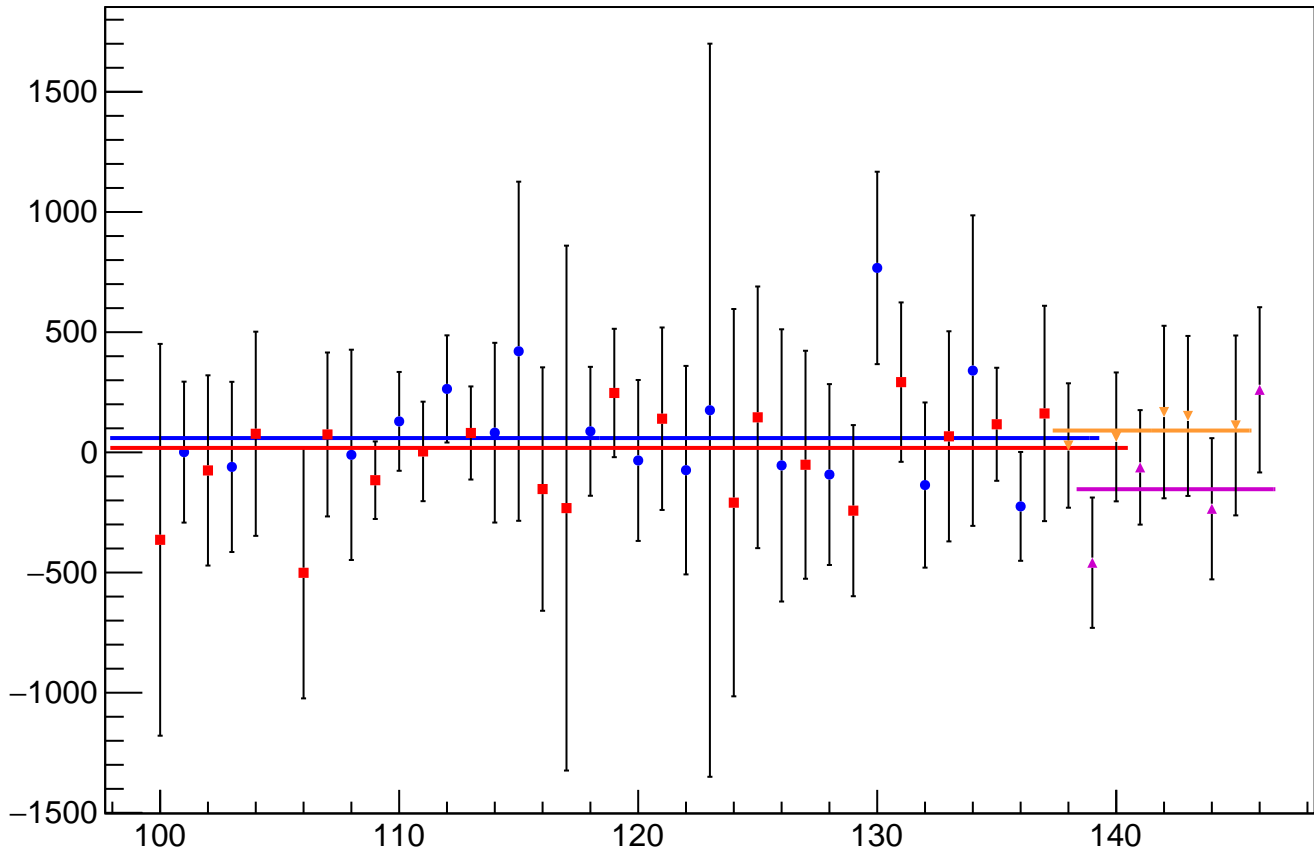
Right Out: 181.986 \pm 0.052 χ^2 /NDF: 1380269.0/19

Left In: 250.181 \pm 0.101 χ^2 /NDF: 121906.4/3

214.449 \pm 0.050 χ^2 /NDF: 1191032.7/21

196.246 \pm 0.046 χ^2 /NDF: 1865766.0/23

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496 ± 80.808 $\chi^2/\text{NDF}: 7.0/16$

Left Out: 90.786 ± 137.657 $\chi^2/\text{NDF}: 0.2/4$

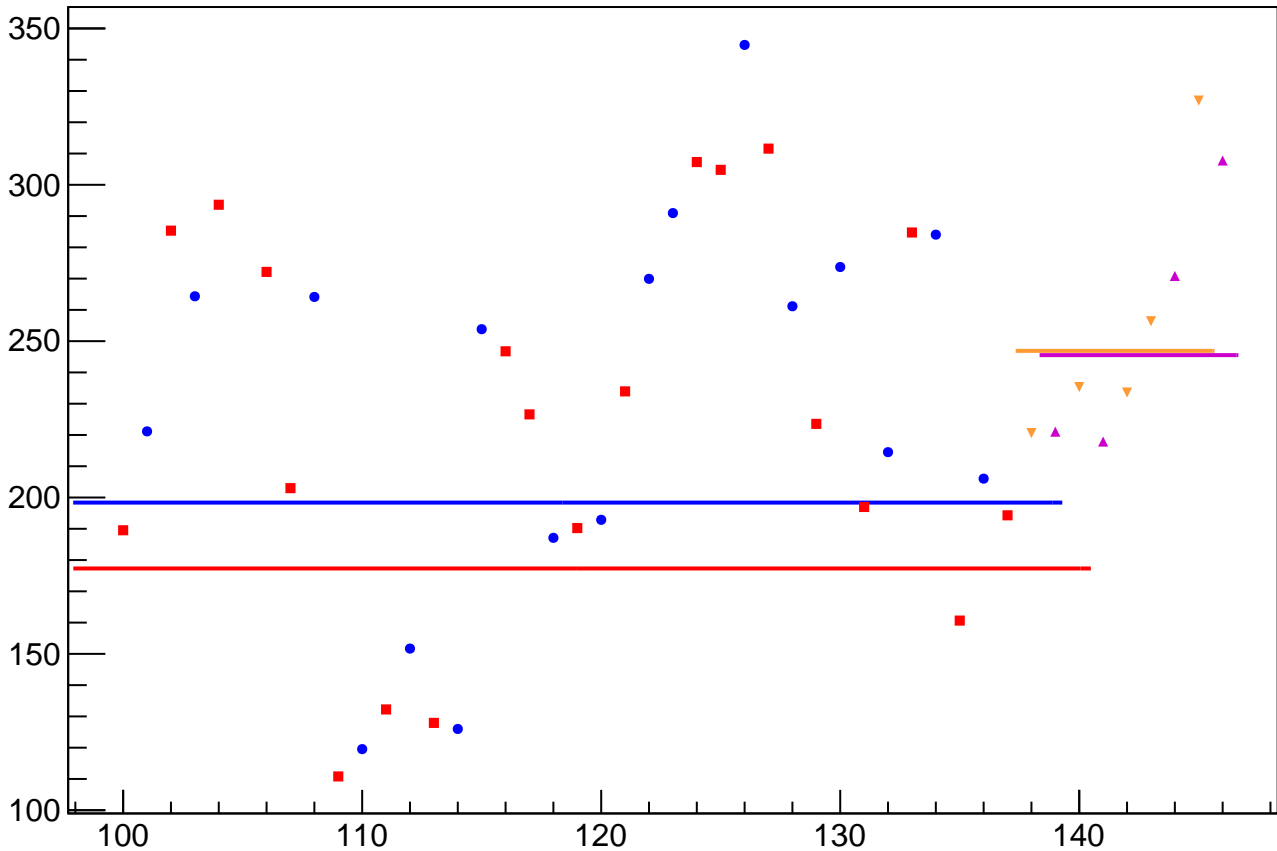
Right Out: 18.457 ± 71.711 $\chi^2/\text{NDF}: 4.8/19$

Left In: -153.326 ± 139.651 $\chi^2/\text{NDF}: 2.9/3$

67.515 ± 69.688 $\chi^2/\text{NDF}: 7.2/21$

-17.388 ± 63.792 $\chi^2/\text{NDF}: 8.9/23$

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378 \pm 0.057 χ^2 /NDF: 963672.6/16

Left Out: 246.900 \pm 0.097 χ^2 /NDF: 120242.2/4

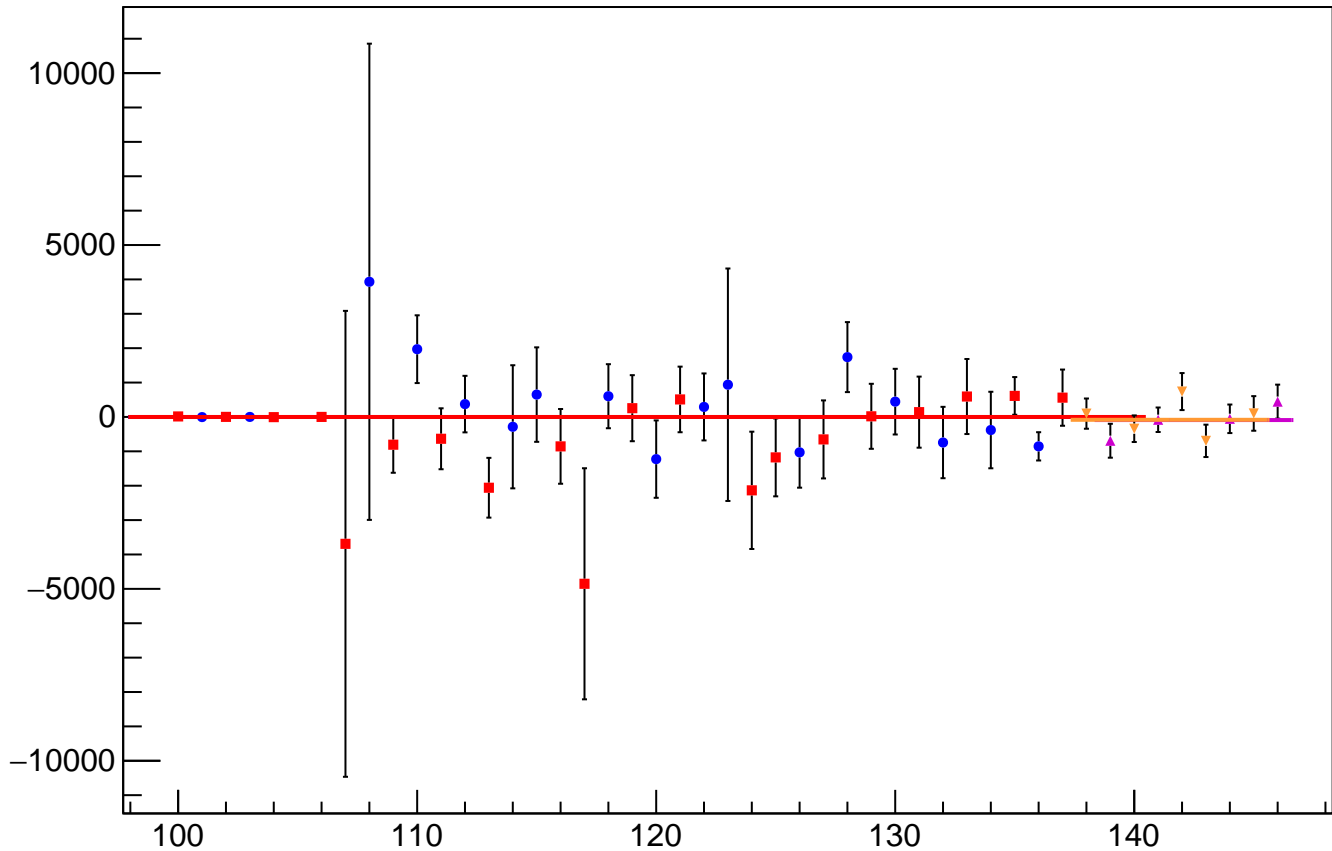
Right Out: 177.309 \pm 0.051 χ^2 /NDF: 1528855.2/19

Left In: 245.535 \pm 0.099 χ^2 /NDF: 123624.1/3

210.814 \pm 0.049 χ^2 /NDF: 1268719.5/21

191.545 \pm 0.045 χ^2 /NDF: 2030223.2/23

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

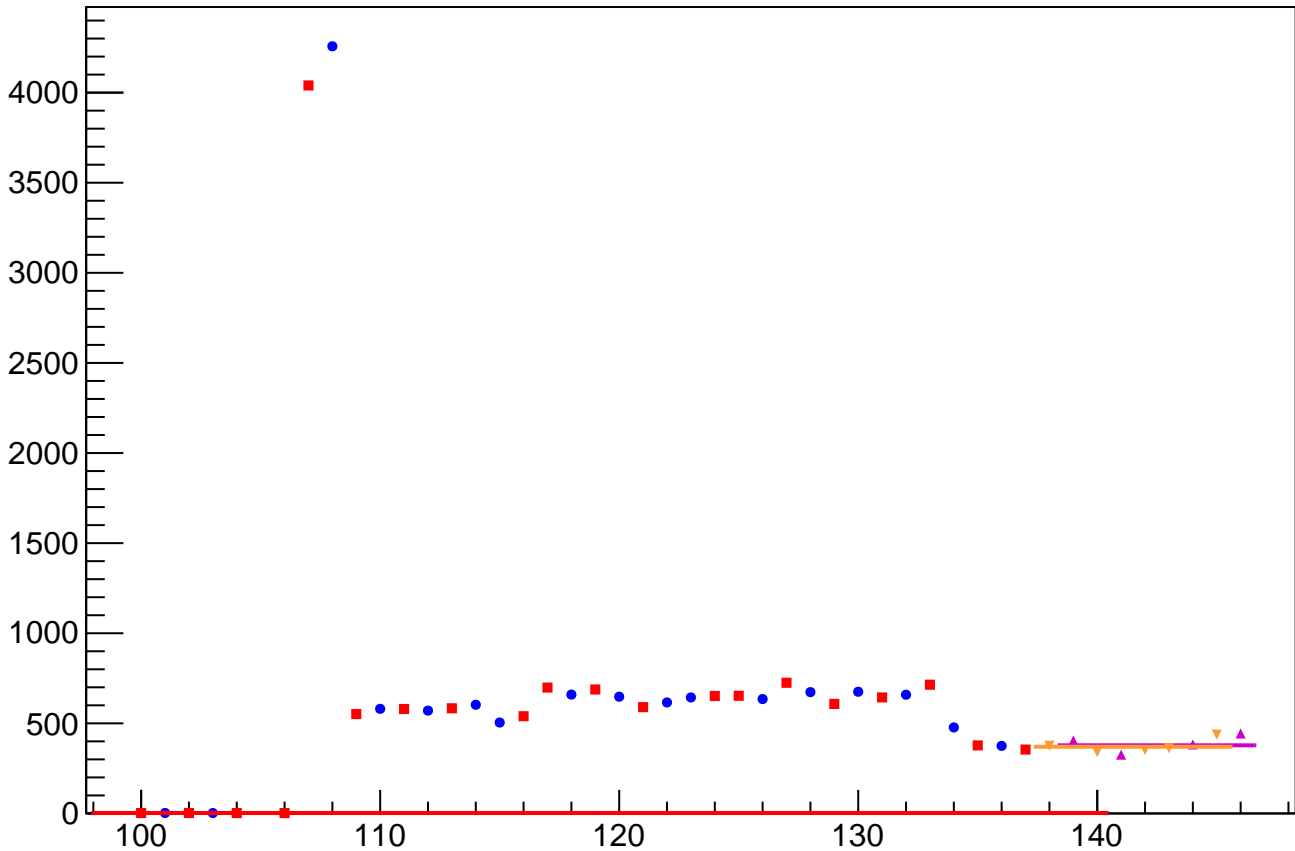
Right Out: -0.728 ± 2.111 χ^2/NDF : 21.4/19

Left In: -90.515 ± 213.698 χ^2/NDF : 2.7/3

-1.539 ± 2.251 χ^2/NDF : 21.9/21

-0.737 ± 2.111 χ^2/NDF : 24.2/23

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

2.501+/-0.002 χ^2/NDF : 17326873.9/21

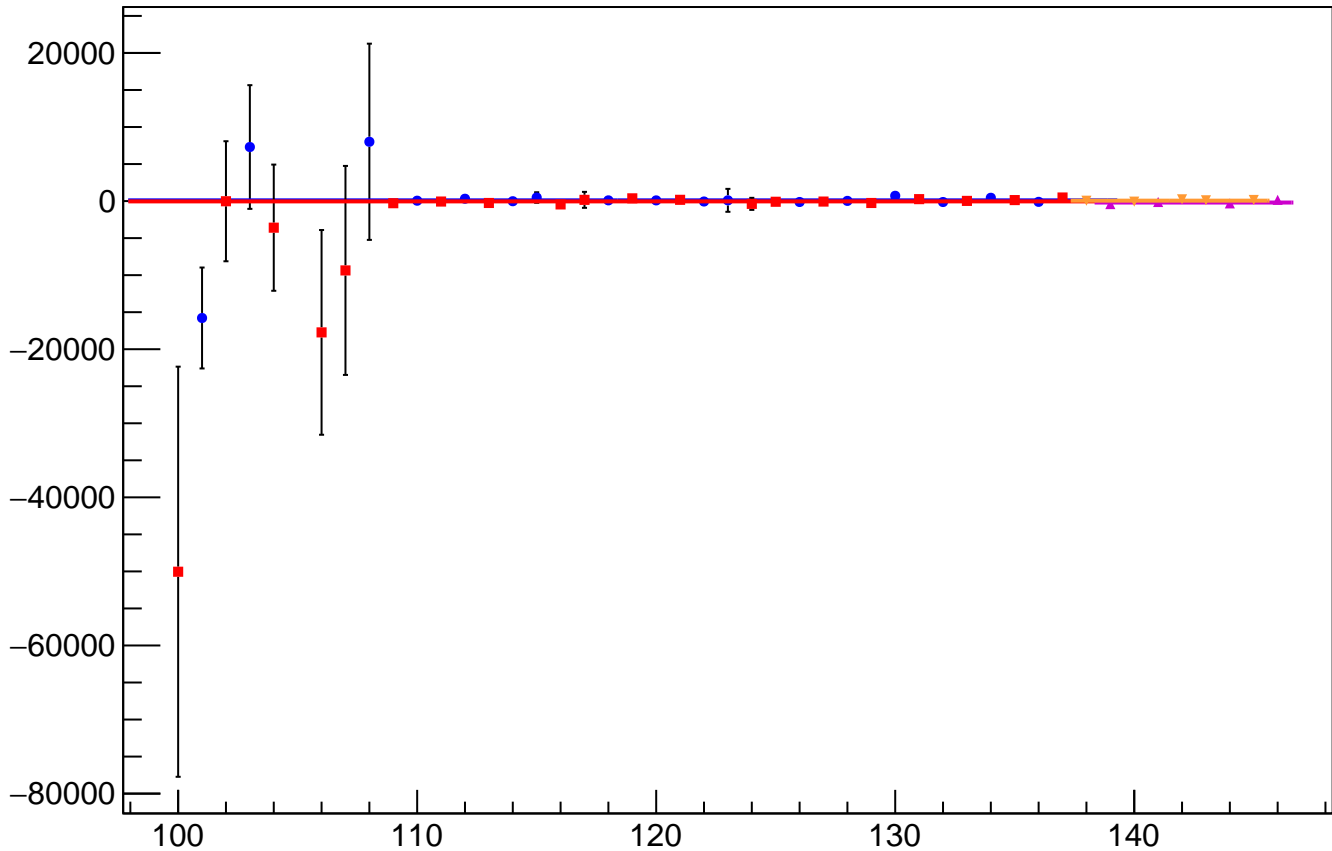
Left Out: 370.140+/-0.145 χ^2/NDF : 50465.6/4

Right Out: 2.437+/-0.001 χ^2/NDF : 11233207.9/19

2.474+/-0.001 χ^2/NDF : 17497441.1/23

Left In: 378.111+/-0.151 χ^2/NDF : 83950.0/3

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

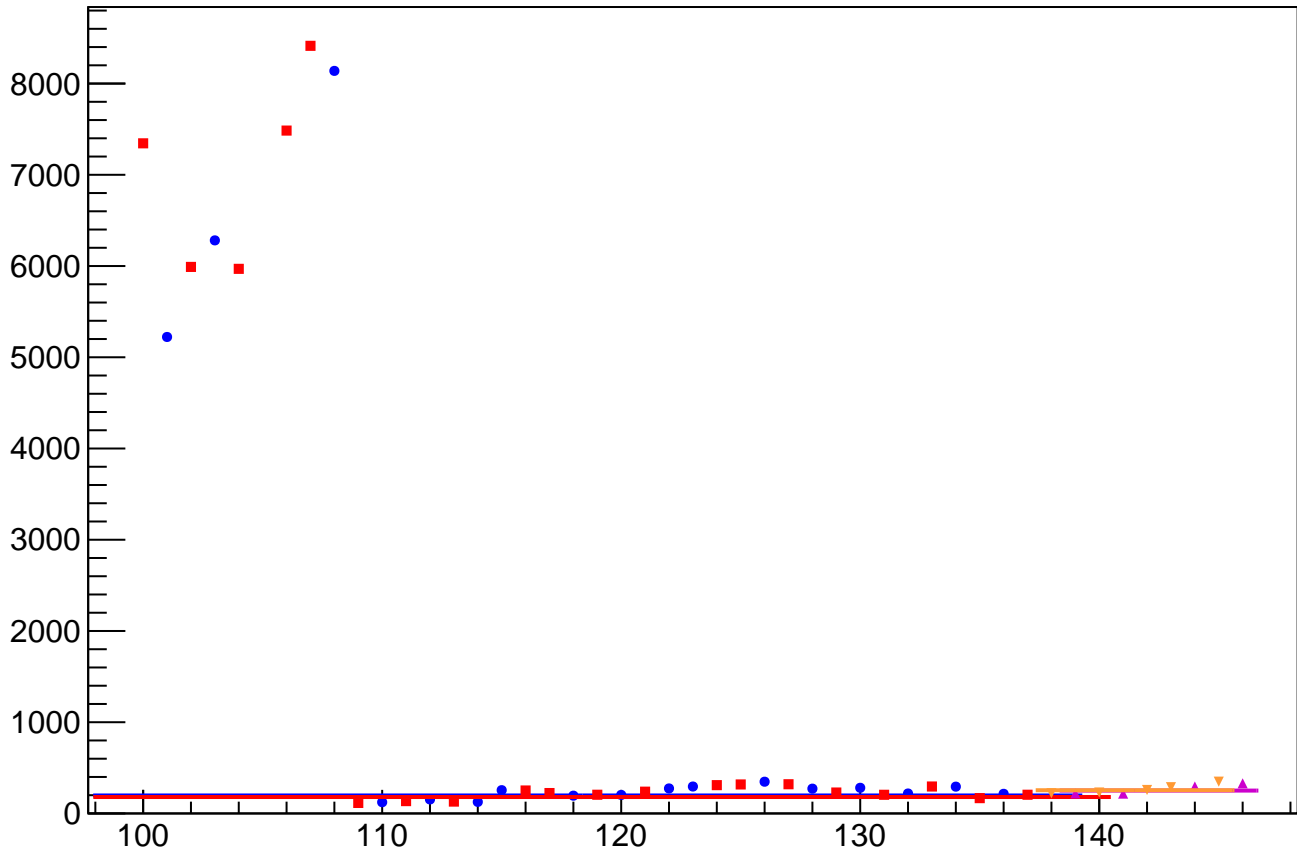
Right Out: -41.024+/-84.237 χ^2 /NDF: 13.9/19

Left In: -195.764+/-143.555 χ^2 /NDF:1.8/3

86.872+/-76.625 χ^2 /NDF: 12.5/21

-80.658+/-72.653 χ^2 /NDF: 16.6/23

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

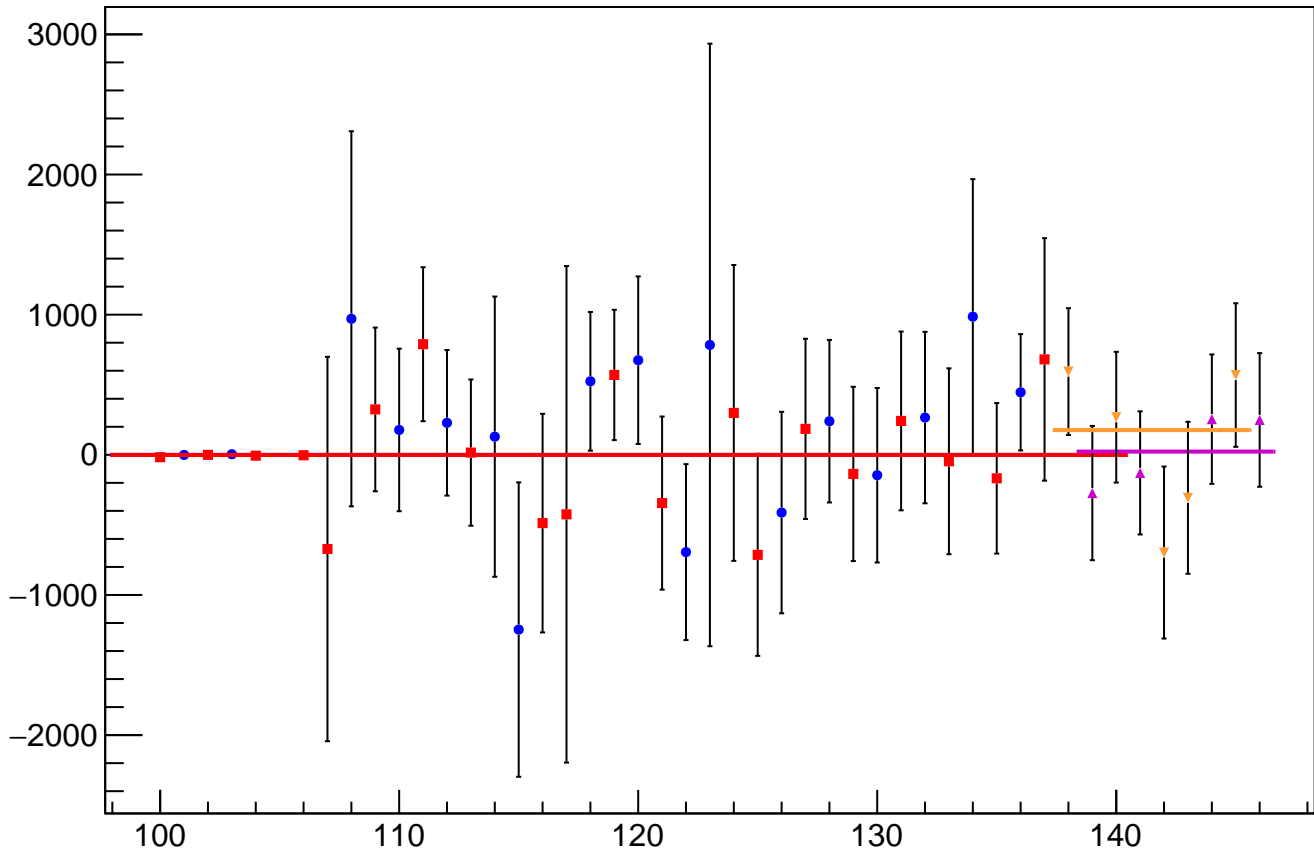
Right Out: 180.217+/-0.060 χ^2/NDF : 4324457.3/19

Left In: 250.697+/-0.102 χ^2/NDF :199133.1/3

213.640+/-0.054 χ^2/NDF : 4101518.8/21

198.269+/-0.051 χ^2/NDF : 4882194.7/23

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 $\chi^2/\text{NDF}: 9.7/16$

Left Out: 176.380 ± 227.311 $\chi^2/\text{NDF}: 4.3/4$

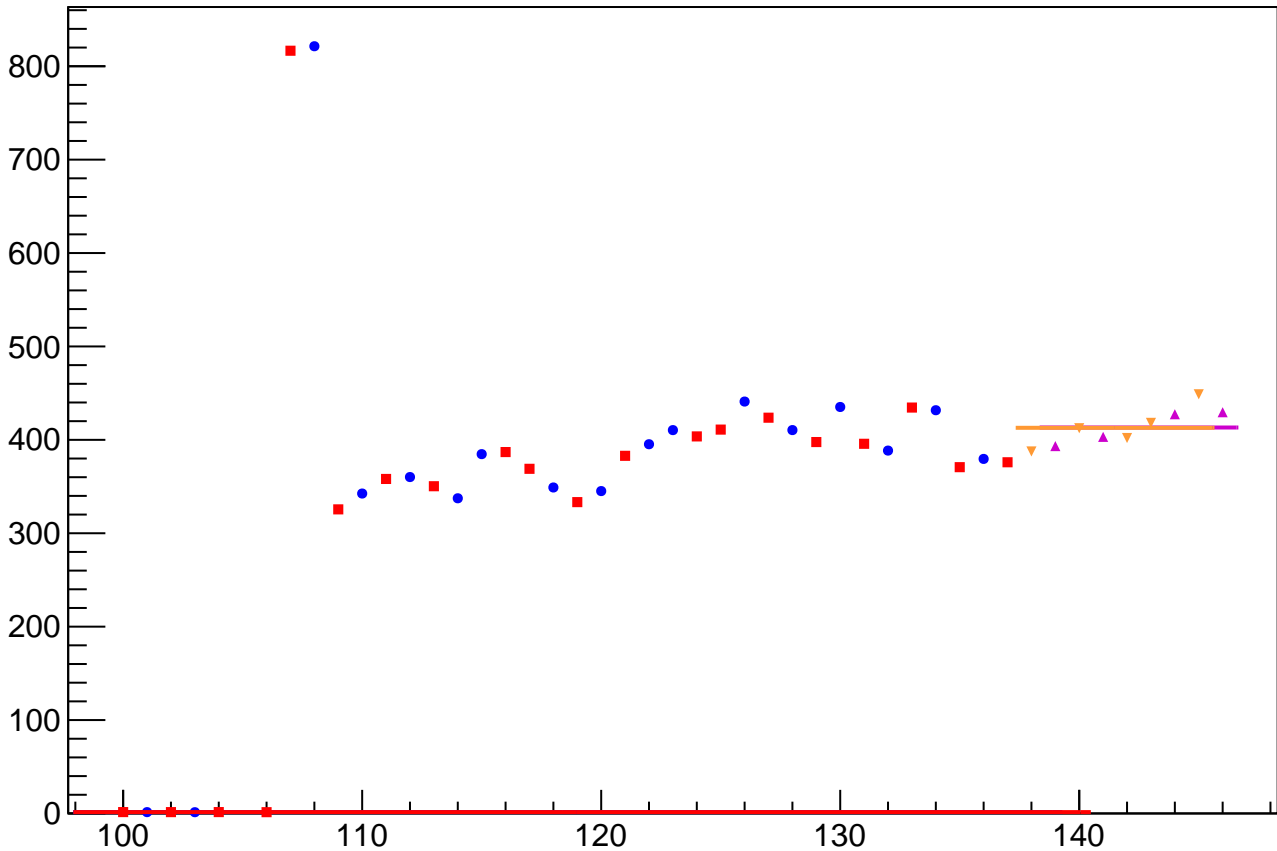
Right Out: -1.324 ± 1.623 $\chi^2/\text{NDF}: 9.7/19$

Left In: 23.057 ± 231.689 $\chi^2/\text{NDF}: 1.0/3$

-0.128 ± 1.737 $\chi^2/\text{NDF}: 14.6/21$

-1.323 ± 1.623 $\chi^2/\text{NDF}: 10.7/23$

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

1.477+/-0.001 χ^2/NDF : 17526893.8/21

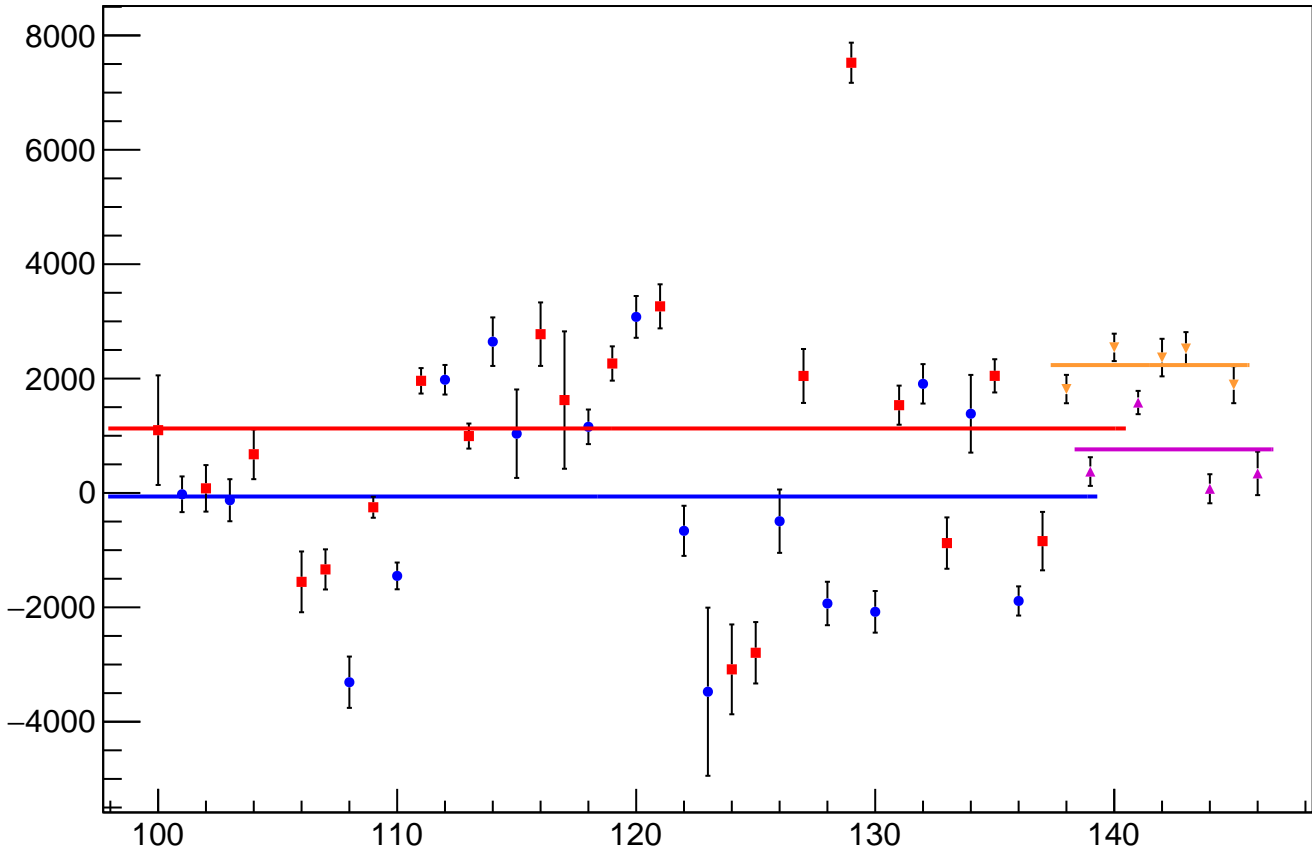
Left Out: 412.892+/-0.161 χ^2/NDF : 16900.9/4

Right Out: 1.451+/-0.001 χ^2/NDF : 10966832.6/19

1.472+/-0.001 χ^2/NDF : 17292141.2/23

Left In: 413.210+/-0.164 χ^2/NDF : 8729.7/3

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 $\chi^2/\text{NDF}: 433.9/16$

Left Out: 2235.932 ± 124.442 $\chi^2/\text{NDF}: 6.8/4$

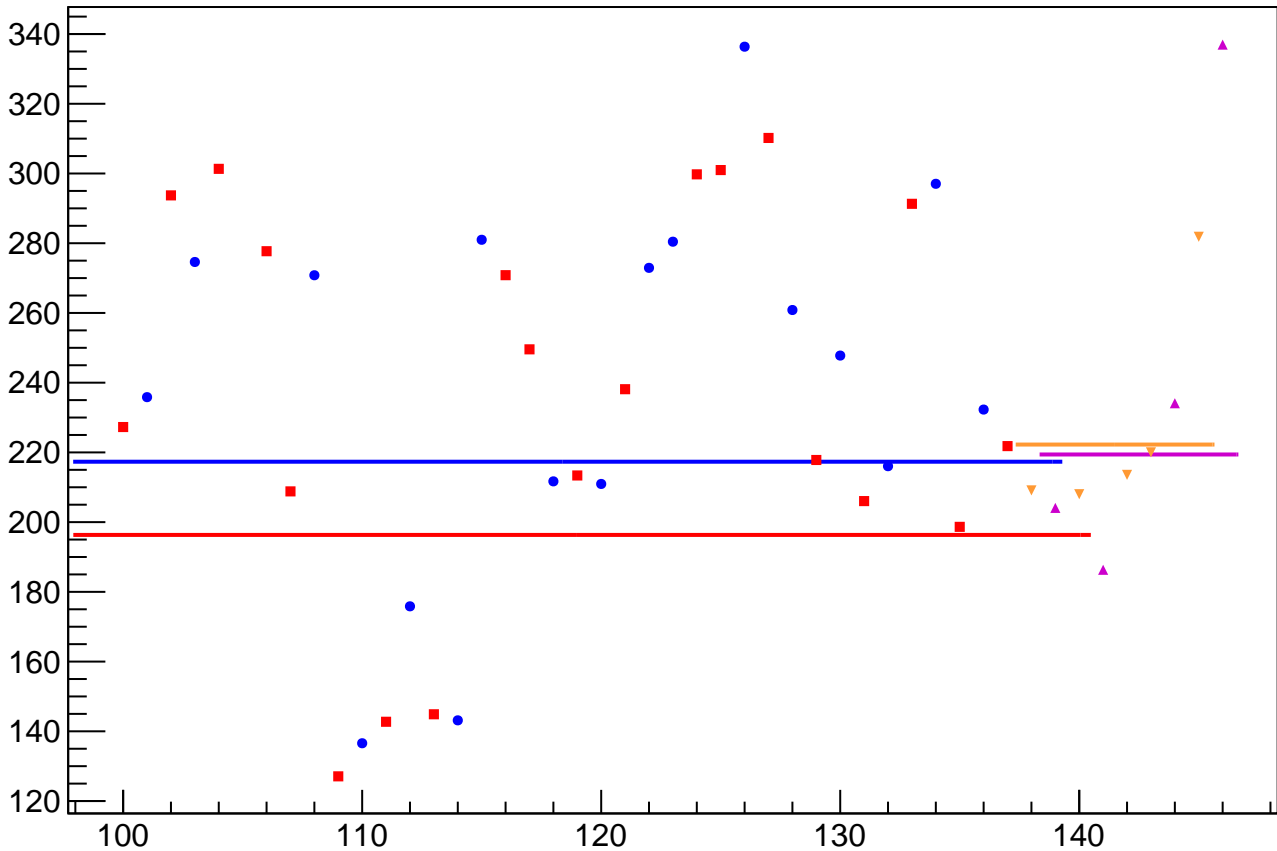
Right Out: 1127.552 ± 78.203 $\chi^2/\text{NDF}: 671.4/19$

Left In: 762.014 ± 126.559 $\chi^2/\text{NDF}: 27.1/3$

697.240 ± 71.535 $\chi^2/\text{NDF}: 669.1/21$

1026.547 ± 66.527 $\chi^2/\text{NDF}: 704.5/23$

asym_bcm0l02_rms vs Slug



Right In: 217.330 \pm 0.062 χ^2 /NDF: 652722.5/16

Left Out: 222.252 \pm 0.088 χ^2 /NDF:82065.3/4

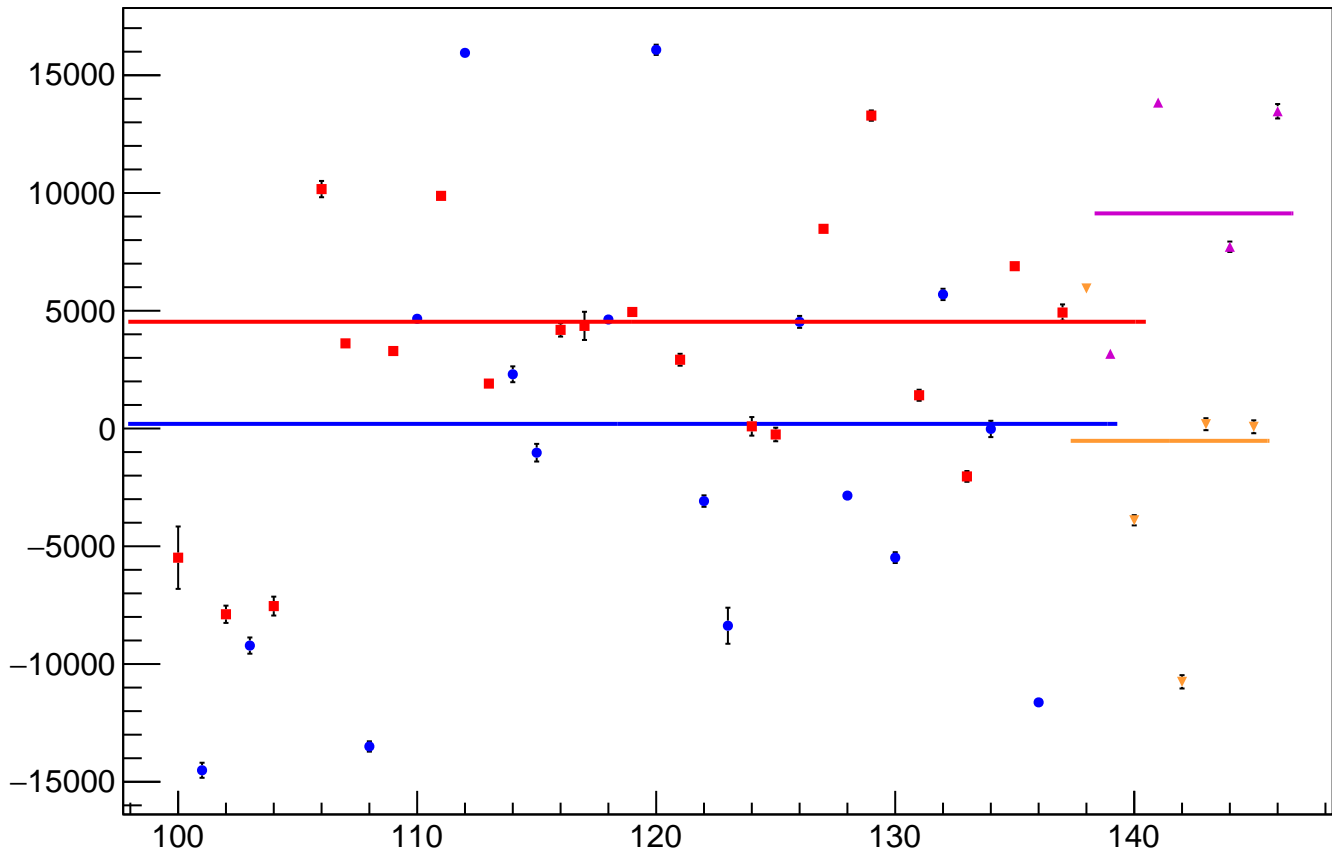
Right Out: 196.332 \pm 0.055 χ^2 /NDF: 1194678.0/19

Left In: 219.404 \pm 0.089 χ^2 /NDF:258092.8/3

218.956 \pm 0.051 χ^2 /NDF: 736882.8/21

202.707 \pm 0.047 χ^2 /NDF: 1500873.3/23

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

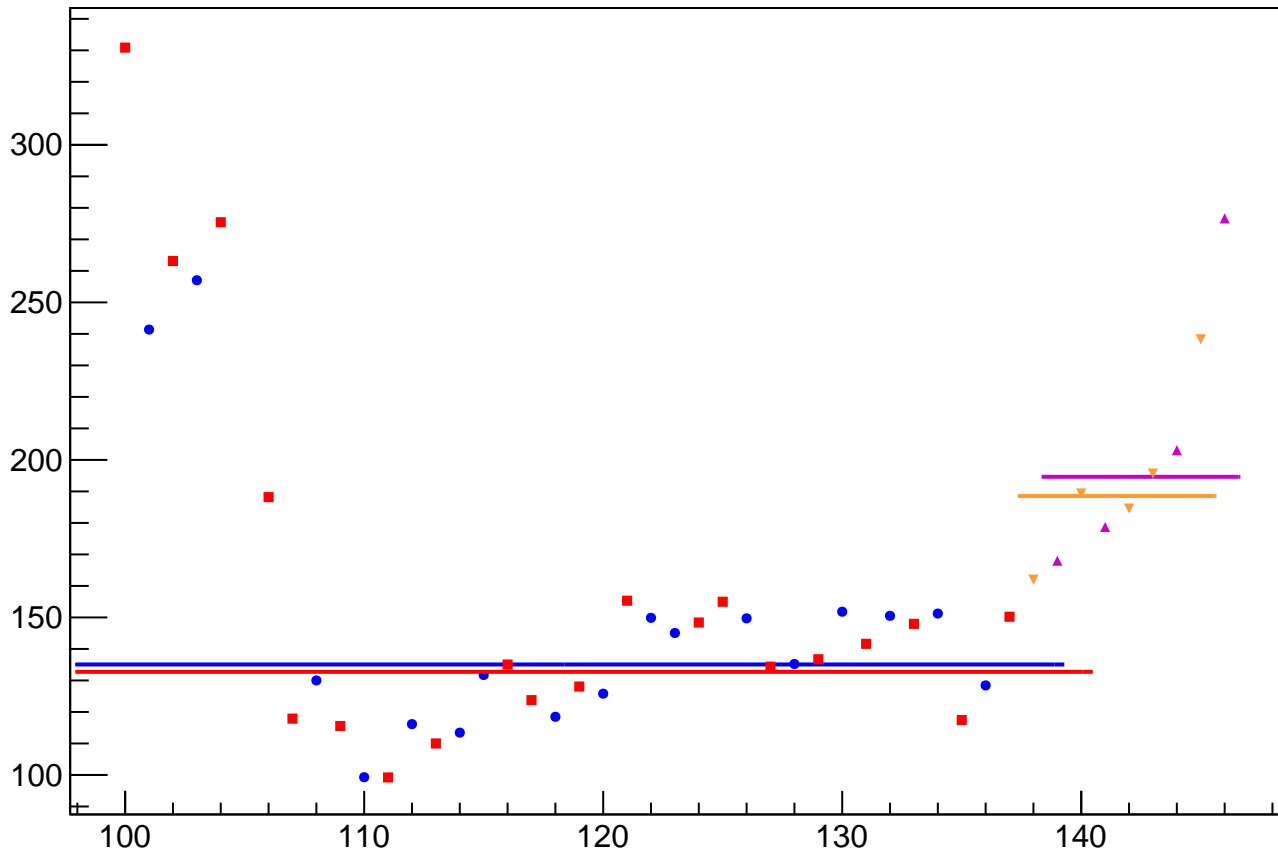
Right Out: 4532.856 ± 52.261 χ^2/NDF : 7477.3/19

Left In: 9133.540 ± 111.231 χ^2/NDF : 1654.7/3

43.620 ± 48.613 χ^2/NDF : 33415.9/21

5364.811 ± 47.300 χ^2/NDF : 10533.5/23

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

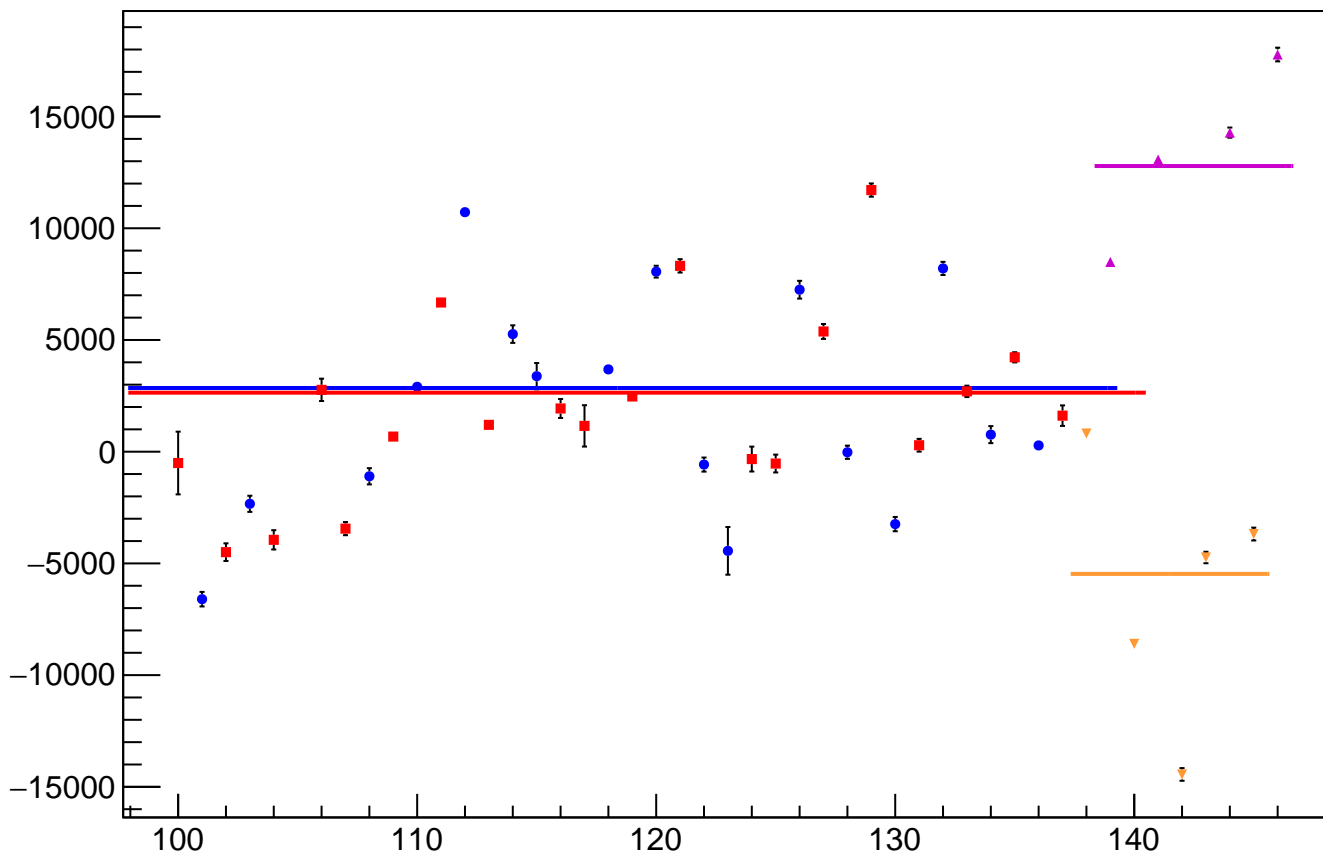
Right Out: 132.747+/-0.037 χ^2/NDF : 831647.2/19

Left In: 194.641+/-0.079 χ^2/NDF : 192100.9/3

146.463+/-0.034 χ^2/NDF : 1171411.1/21

143.940+/-0.033 χ^2/NDF : 1531026.4/23

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2 /NDF: 4178.1/16

Left Out: -5469.215+/-109.726 χ^2 /NDF:2144.5/4

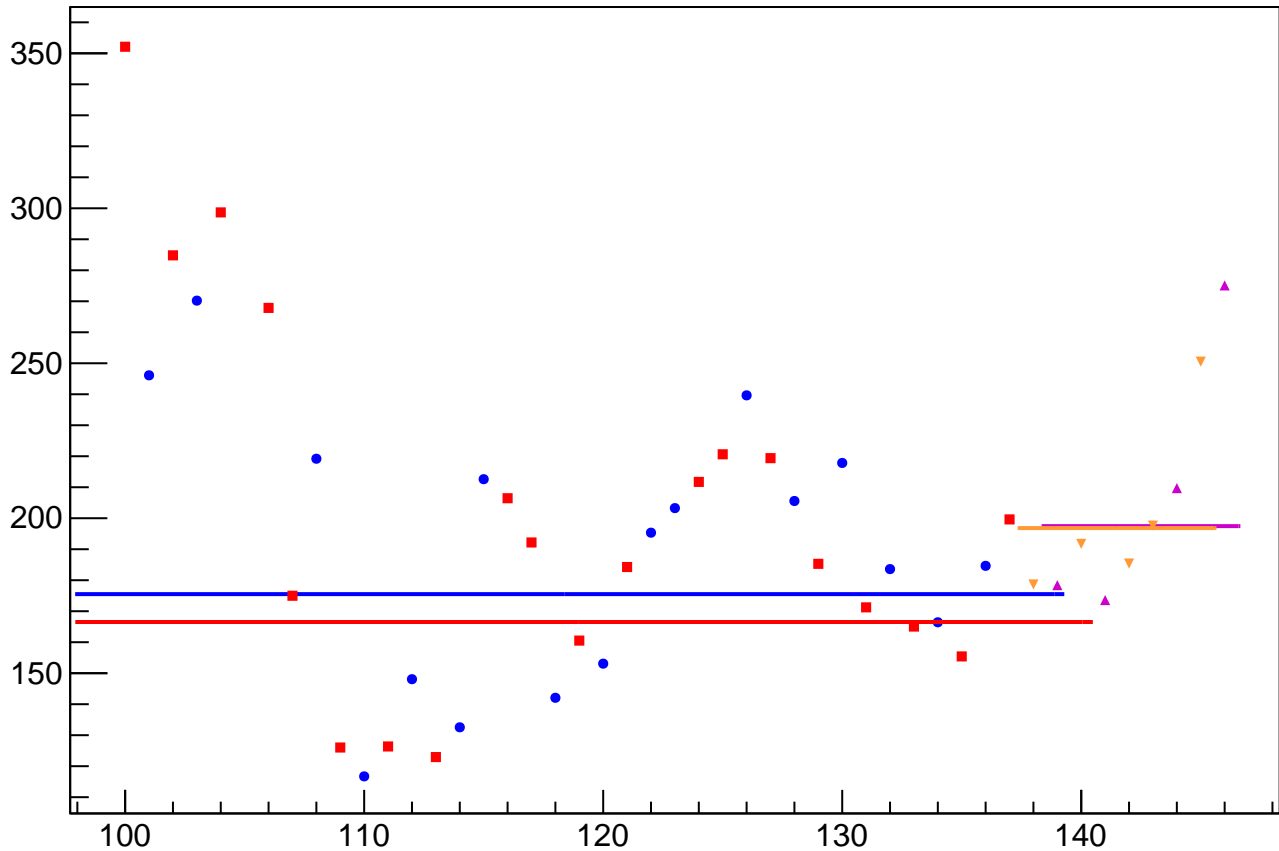
Right Out: 2641.642+/-65.566 χ^2 /NDF: 3178.3/19

Left In: 12785.010+/-112.761 χ^2 /NDF:695.6/3

407.823+/-59.463 χ^2 /NDF: 10384.3/21

5204.547+/-56.680 χ^2 /NDF: 9921.2/23

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

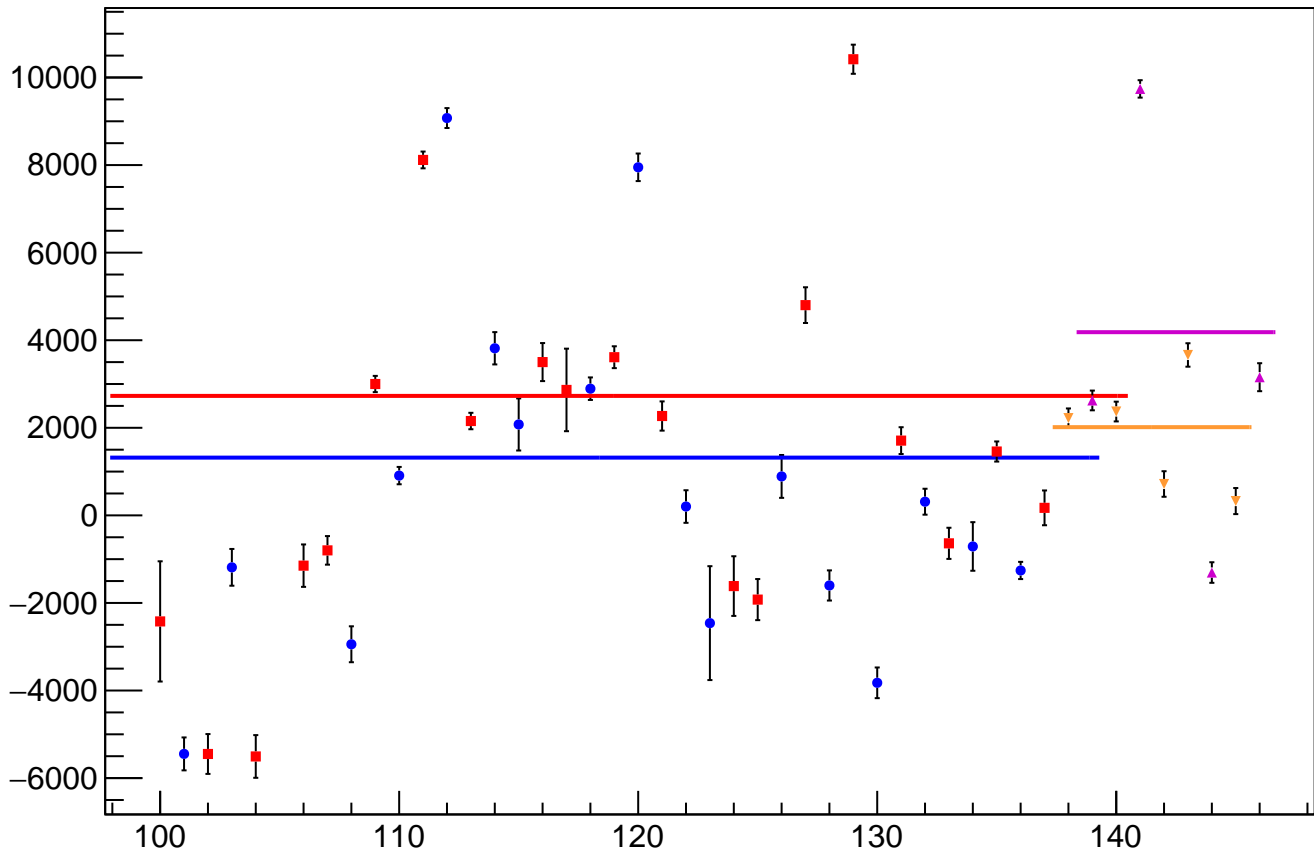
Right Out: 166.522+/-0.046 χ^2/NDF : 931079.9/19

Left In: 197.453+/-0.080 χ^2/NDF : 180672.5/3

181.772+/-0.042 χ^2/NDF : 832013.6/21

174.338+/-0.040 χ^2/NDF : 1224217.8/23

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 2014.564+/-113.790 χ^2/NDF : 93.2/4

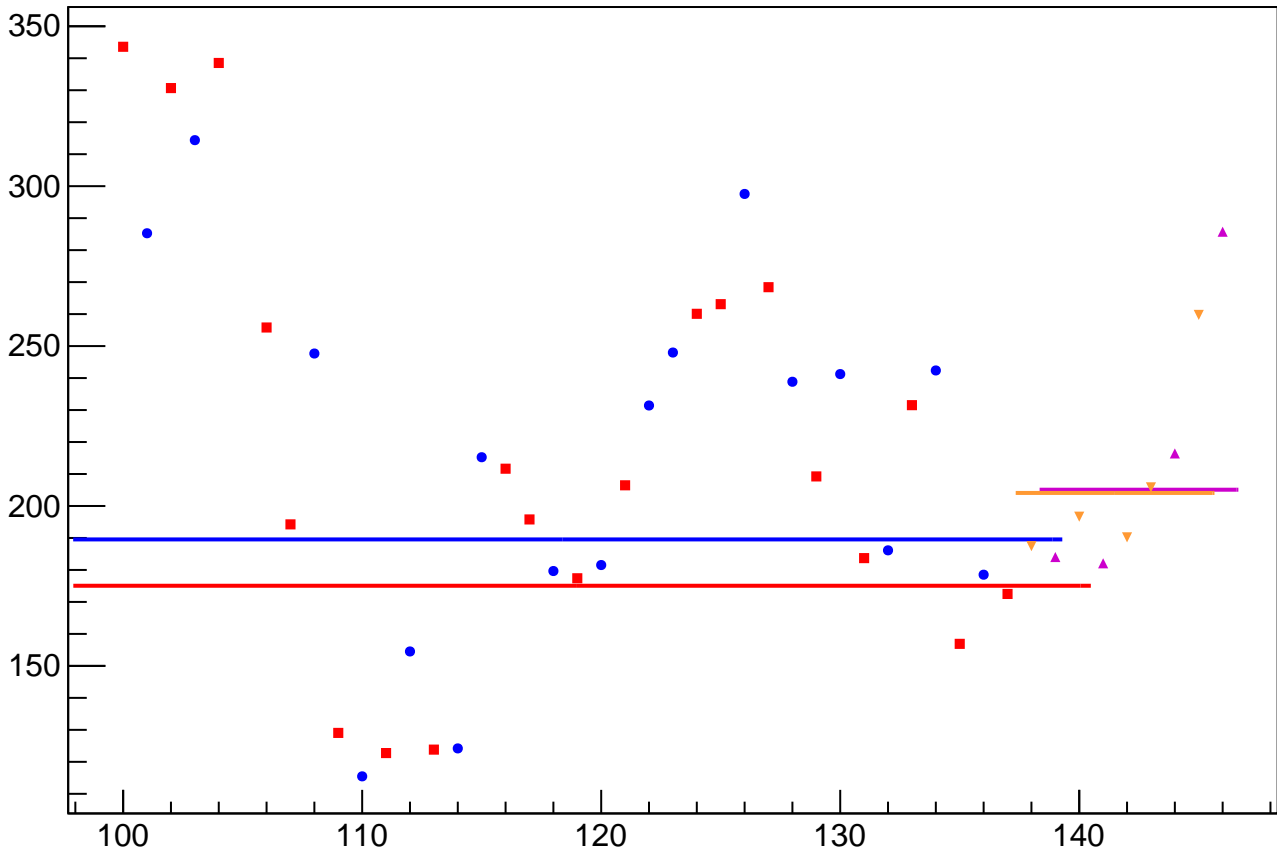
Right Out: 2728.550+/-69.837 χ^2/NDF : 2495.9/19

Left In: 4183.811+/-117.156 χ^2/NDF : 1383.5/3

1538.037+/-63.854 χ^2/NDF : 2785.8/21

3110.085+/-59.987 χ^2/NDF : 3993.3/23

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

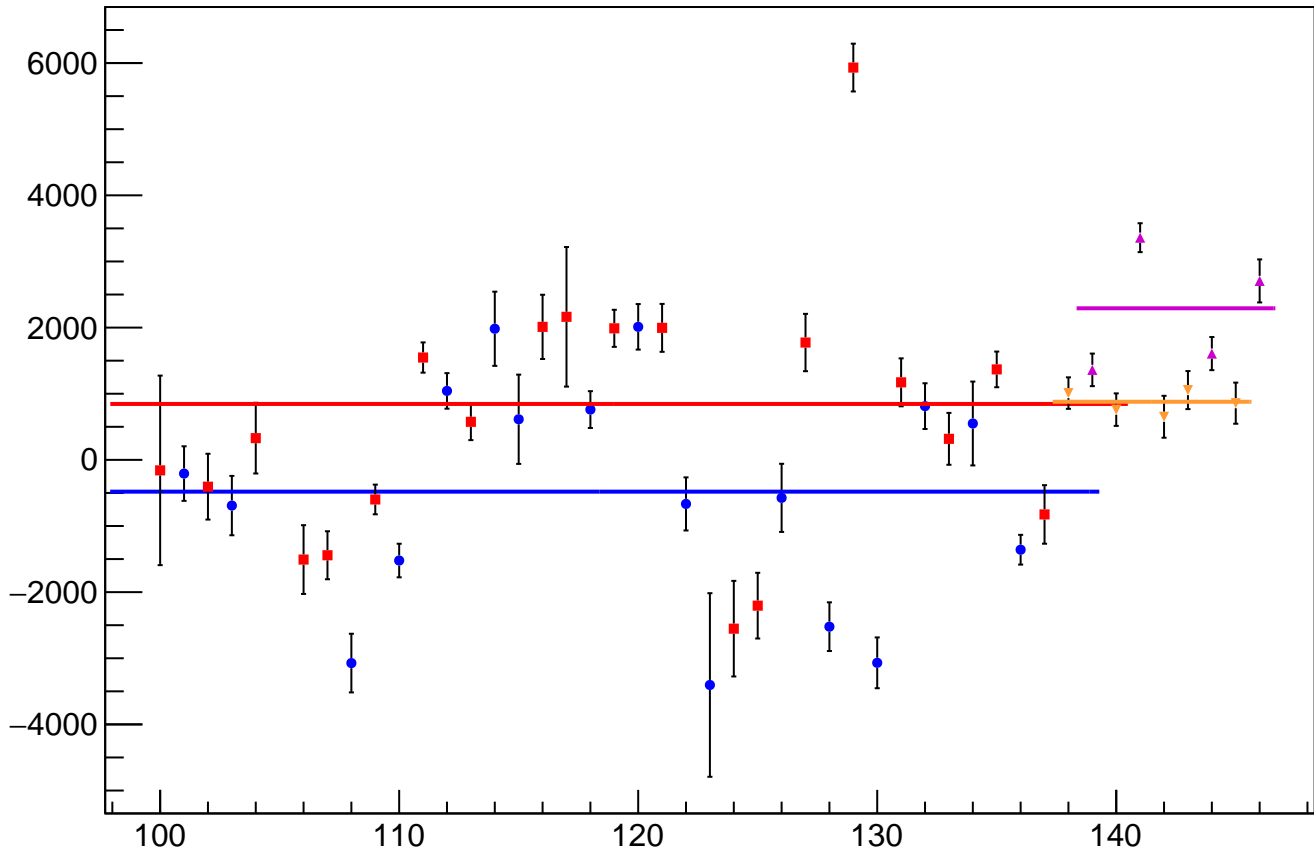
Right Out: 175.058 +/- 0.049 χ^2/NDF : 1298079.7/19

Left In: 205.089 +/- 0.083 χ^2/NDF : 176309.3/3

194.122 +/- 0.045 χ^2/NDF : 1091162.9/21

182.931 +/- 0.042 χ^2/NDF : 1571346.5/23

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 $\chi^2/\text{NDF}: 290.7/16$

Left Out: 878.528 ± 122.546 $\chi^2/\text{NDF}: 1.4/4$

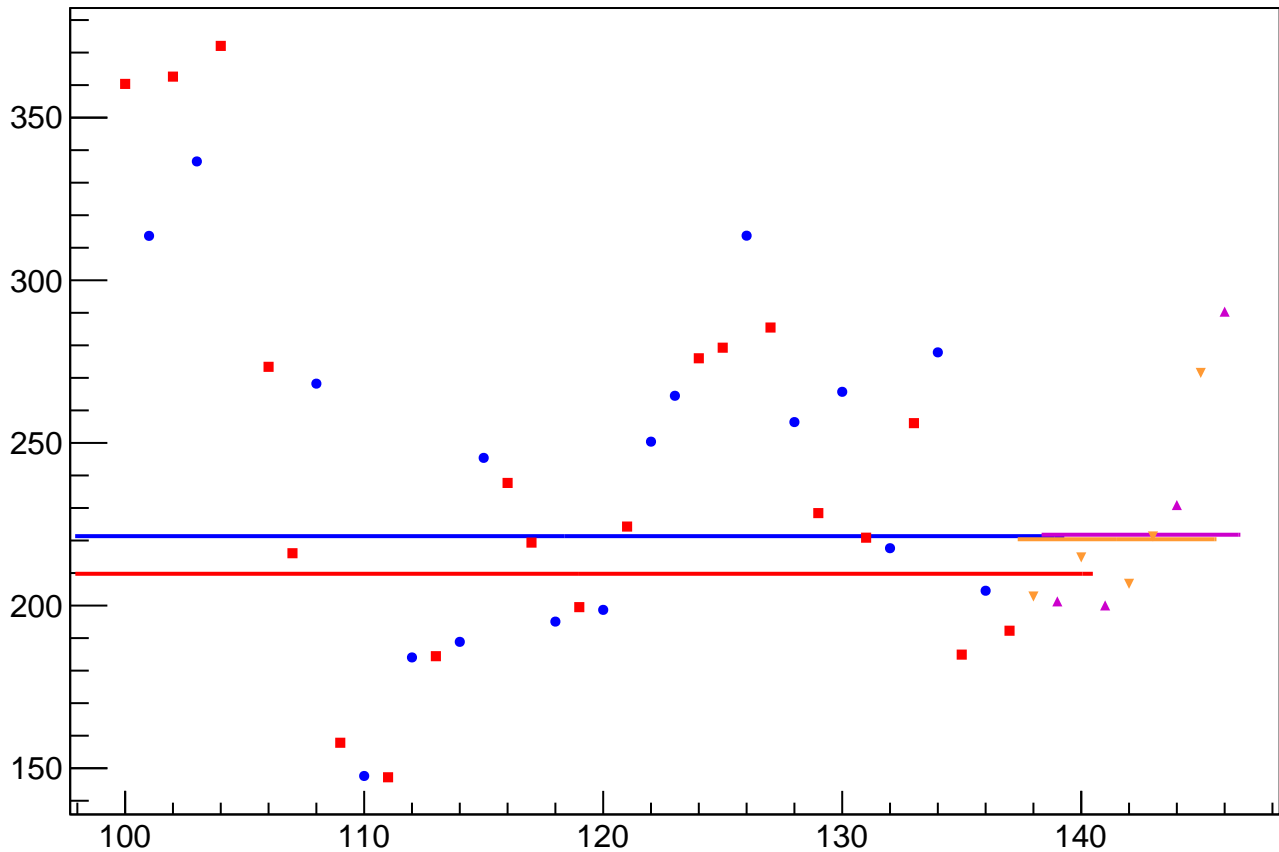
Right Out: 845.444 ± 81.995 $\chi^2/\text{NDF}: 436.9/19$

Left In: 2291.826 ± 126.148 $\chi^2/\text{NDF}: 47.3/3$

-13.746 ± 71.821 $\chi^2/\text{NDF}: 372.9/21$

1275.027 ± 68.748 $\chi^2/\text{NDF}: 576.6/23$

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

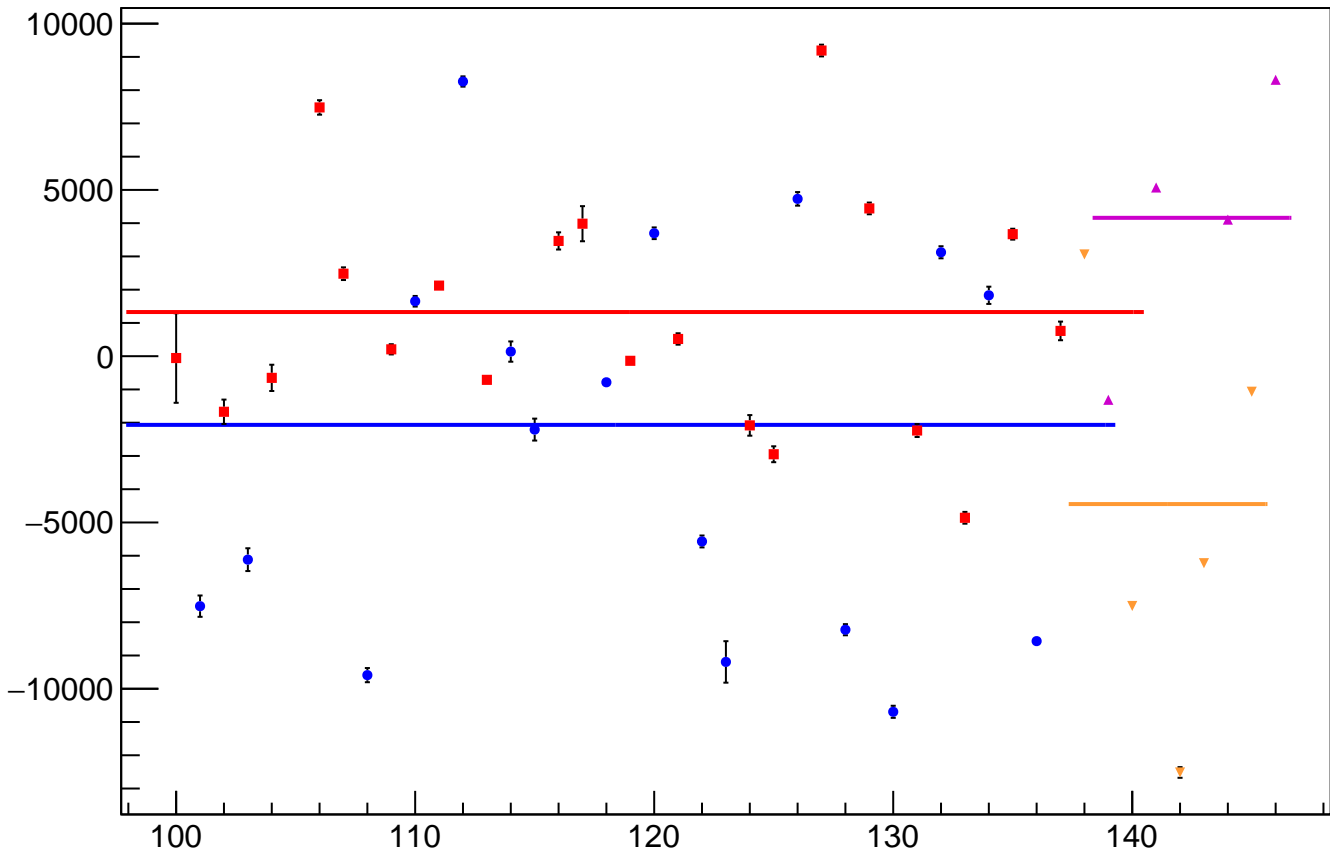
221.014 \pm 0.051 χ^2 /NDF: 715569.2/21

Right Out: 209.775 \pm 0.058 χ^2 /NDF: 884083.7/19

213.340 \pm 0.049 χ^2 /NDF: 1021898.3/23

Left In: 221.780 \pm 0.089 χ^2 /NDF: 125080.9/3

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -4446.304 ± 61.070 $\chi^2/\text{NDF}: 7225.2/4$

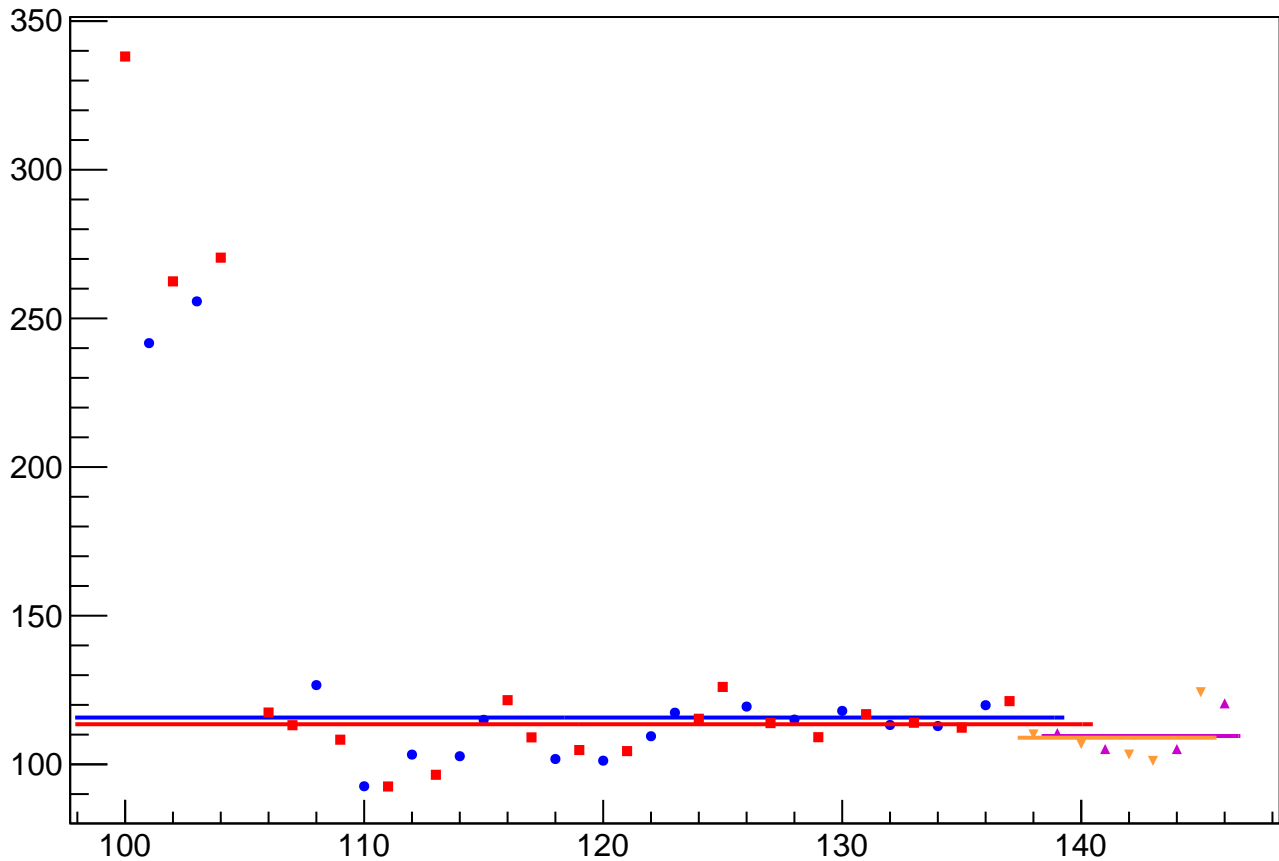
Right Out: 1327.819 ± 44.838 $\chi^2/\text{NDF}: 5919.9/19$

Left In: 4160.718 ± 62.255 $\chi^2/\text{NDF}: 2603.6/3$

-2958.494 ± 37.406 $\chi^2/\text{NDF}: 24708.3/21$

2295.416 ± 36.384 $\chi^2/\text{NDF}: 9886.9/23$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 \pm 0.033 χ^2 /NDF: 744017.7/16

Left Out: 108.958 \pm 0.043 χ^2 /NDF:32745.3/4

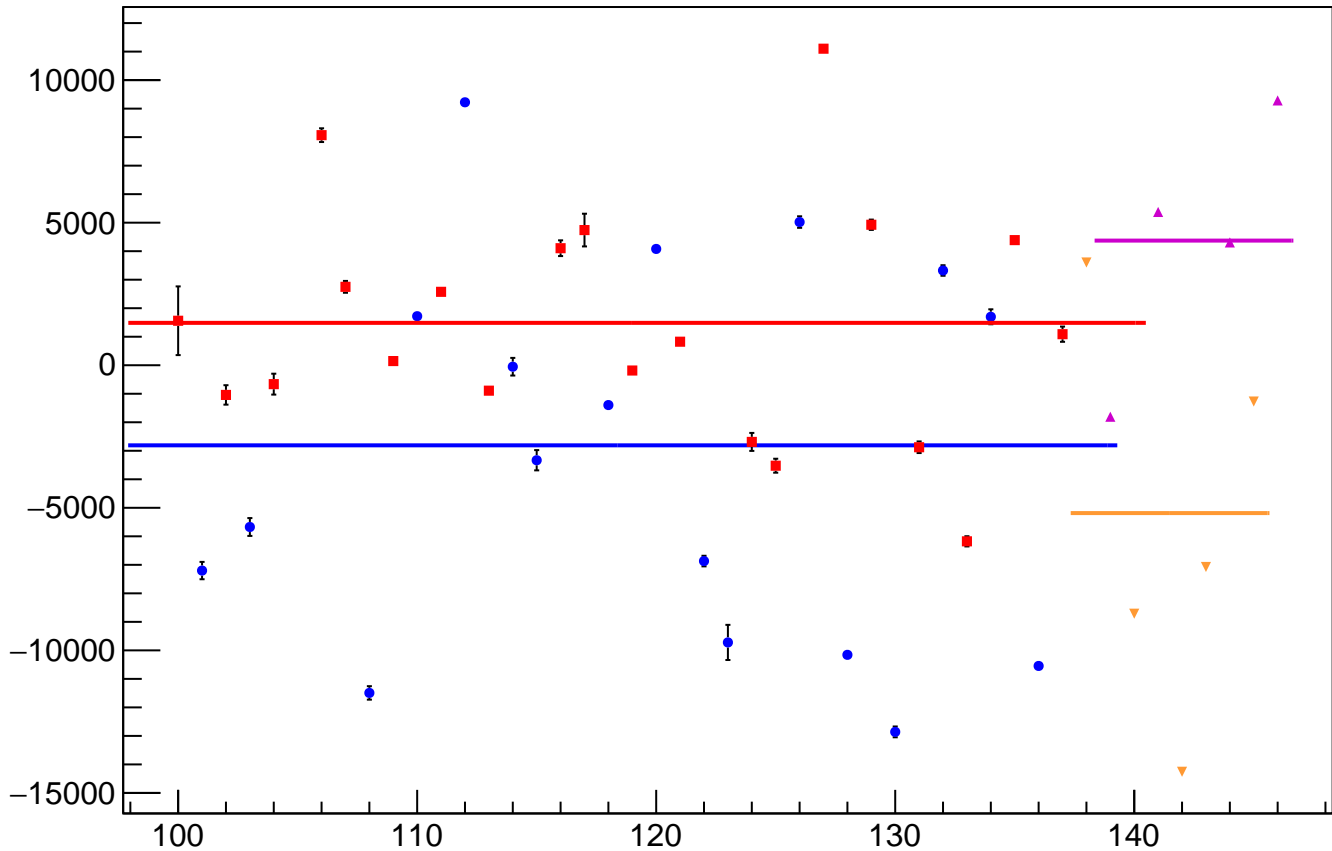
Right Out: 113.487 \pm 0.032 χ^2 /NDF: 796781.7/19

Left In: 109.533 \pm 0.044 χ^2 /NDF:19112.9/3

113.196 \pm 0.026 χ^2 /NDF: 792176.0/21

112.136 \pm 0.026 χ^2 /NDF: 821207.9/23

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101 ± 48.284 $\chi^2/\text{NDF}: 21263.1/16$

Left Out: -5185.163 ± 66.085 $\chi^2/\text{NDF}: 8057.1/4$

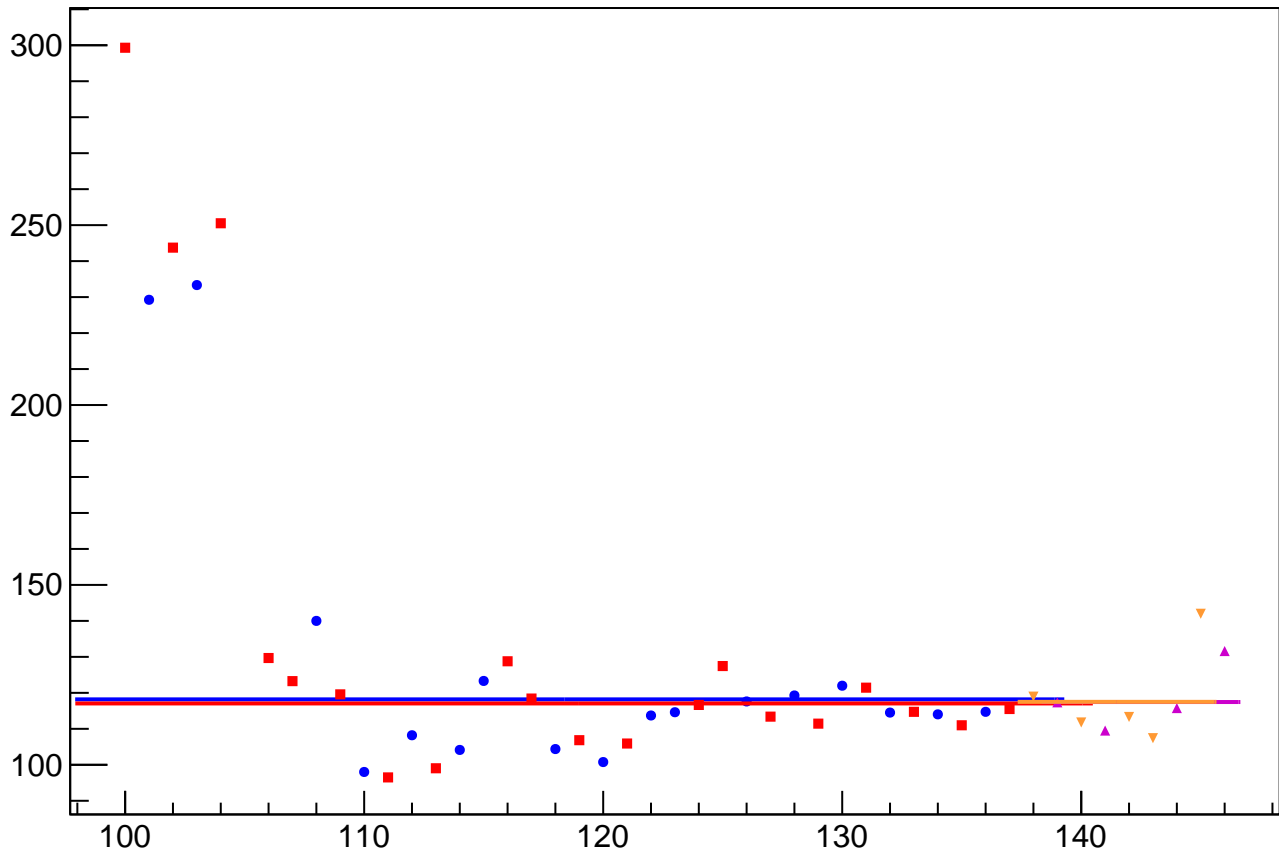
Right Out: 1486.369 ± 46.243 $\chi^2/\text{NDF}: 8037.1/19$

Left In: 4371.540 ± 66.893 $\chi^2/\text{NDF}: 2973.9/3$

-3636.066 ± 38.987 $\chi^2/\text{NDF}: 30163.0/21$

2419.334 ± 38.039 $\chi^2/\text{NDF}: 12269.8/23$

asym_bpm2i01WS_rms vs Slug



Right In: 118.188 \pm 0.034 χ^2 /NDF: 636252.0/16

117.948 \pm 0.028 χ^2 /NDF: 696172.0/21

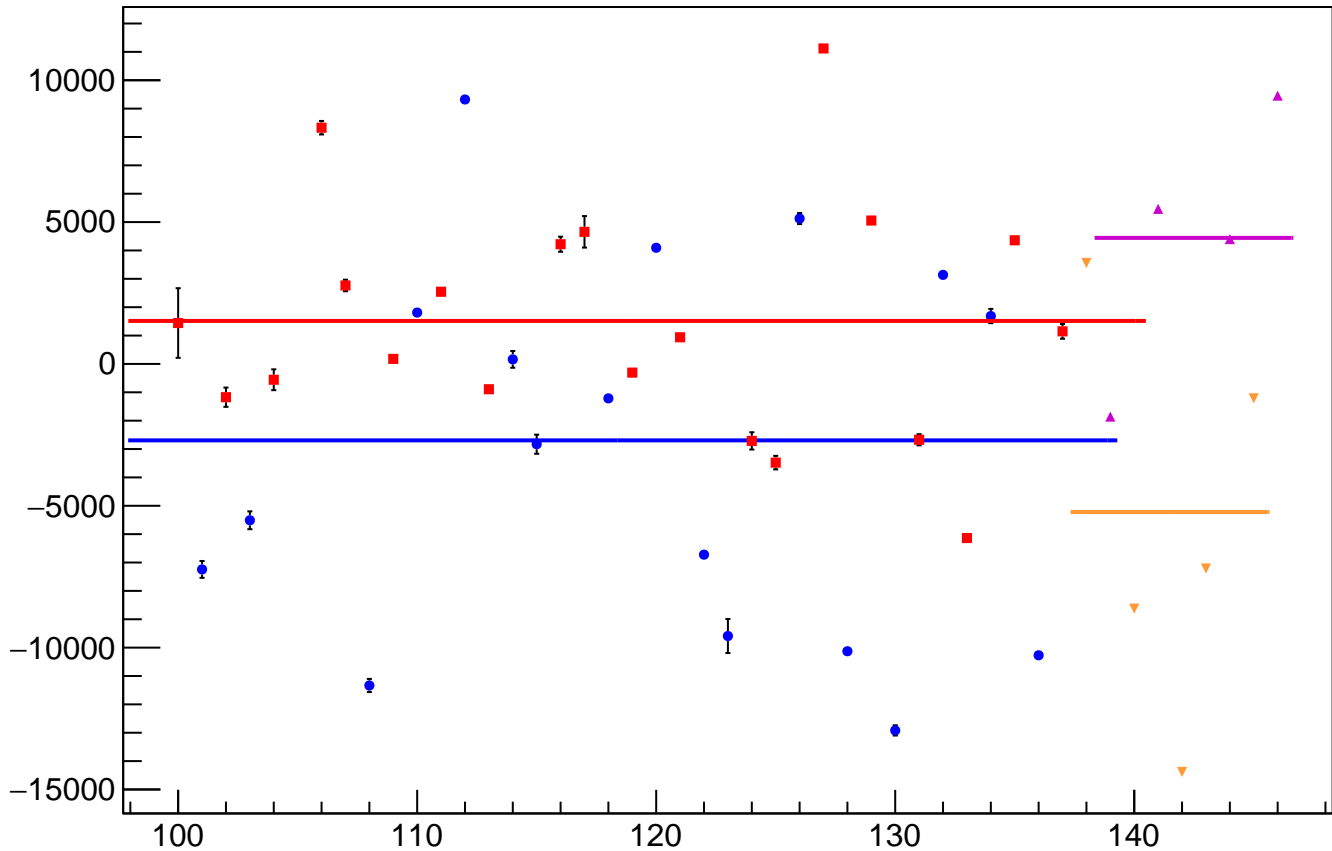
Left Out: 117.498 \pm 0.047 χ^2 /NDF: 59778.0/4

Right Out: 117.054 \pm 0.033 χ^2 /NDF: 690646.8/19

117.182 \pm 0.027 χ^2 /NDF: 718100.7/23

Left In: 117.450 \pm 0.047 χ^2 /NDF: 27406.5/3

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 ± 46.347 $\chi^2/\text{NDF}: 22860.3/16$

Left Out: -5219.637 ± 64.100 $\chi^2/\text{NDF}: 8651.5/4$

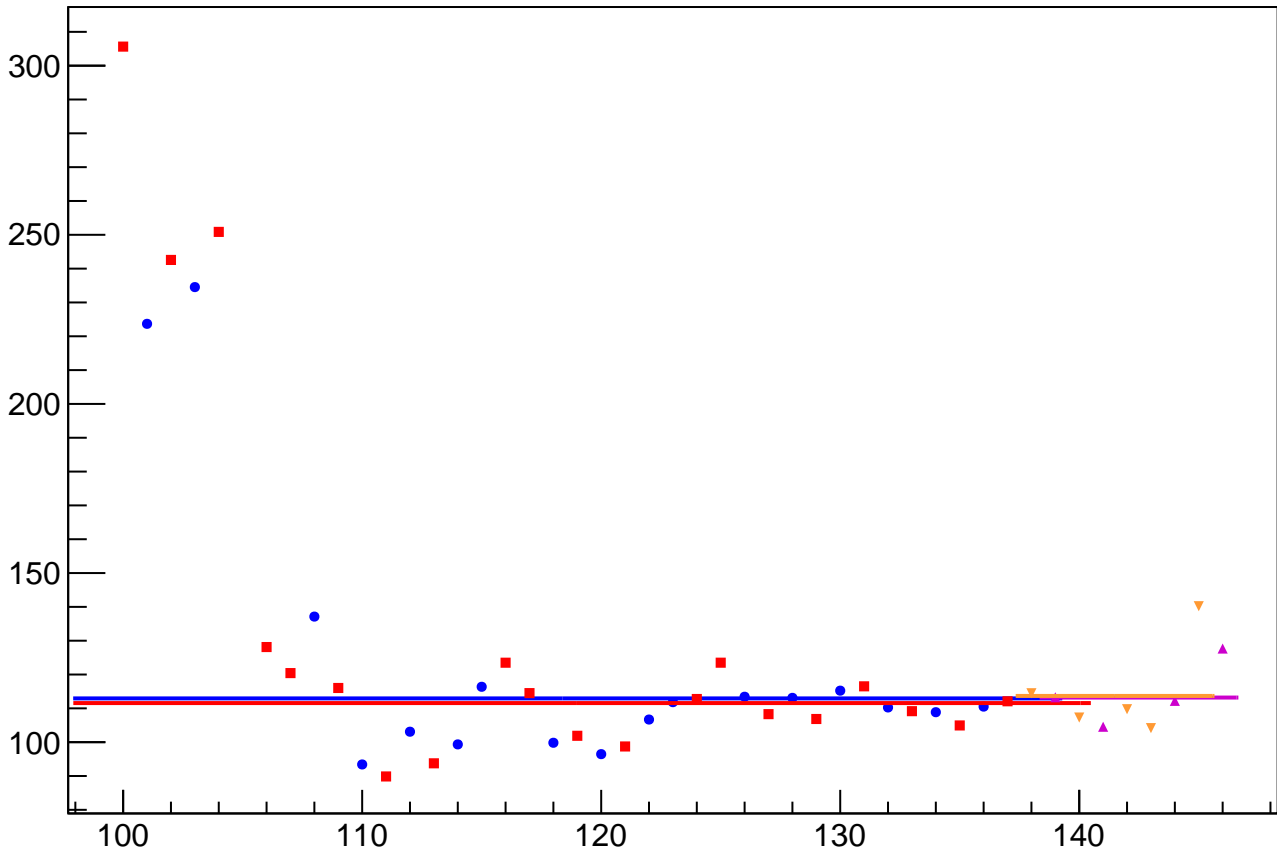
Right Out: 1515.863 ± 44.303 $\chi^2/\text{NDF}: 8749.3/19$

Left In: 4443.530 ± 64.625 $\chi^2/\text{NDF}: 3299.8/3$

-3561.252 ± 37.558 $\chi^2/\text{NDF}: 32531.1/21$

2451.879 ± 36.541 $\chi^2/\text{NDF}: 13445.3/23$

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

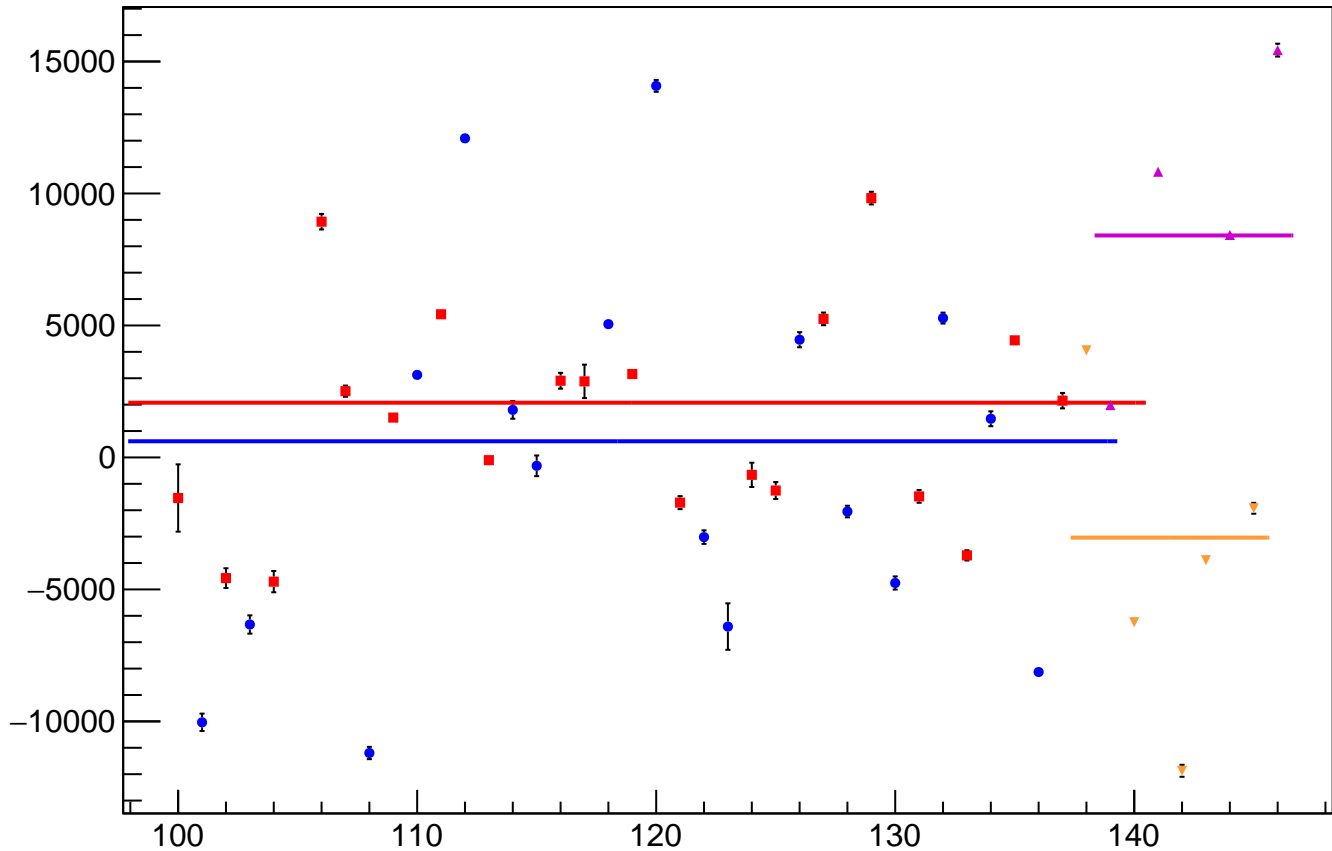
Right Out: 111.562 \pm 0.031 χ^2/NDF : 765559.1/19

Left In: 113.191 \pm 0.046 χ^2/NDF : 31652.1/3

113.191 \pm 0.027 χ^2/NDF : 749526.3/21

112.083 \pm 0.026 χ^2/NDF : 798075.1/23

asym_bpm0i01WS_mean vs Slug



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -3038.023 ± 82.720 $\chi^2/\text{NDF}: 3912.4/4$

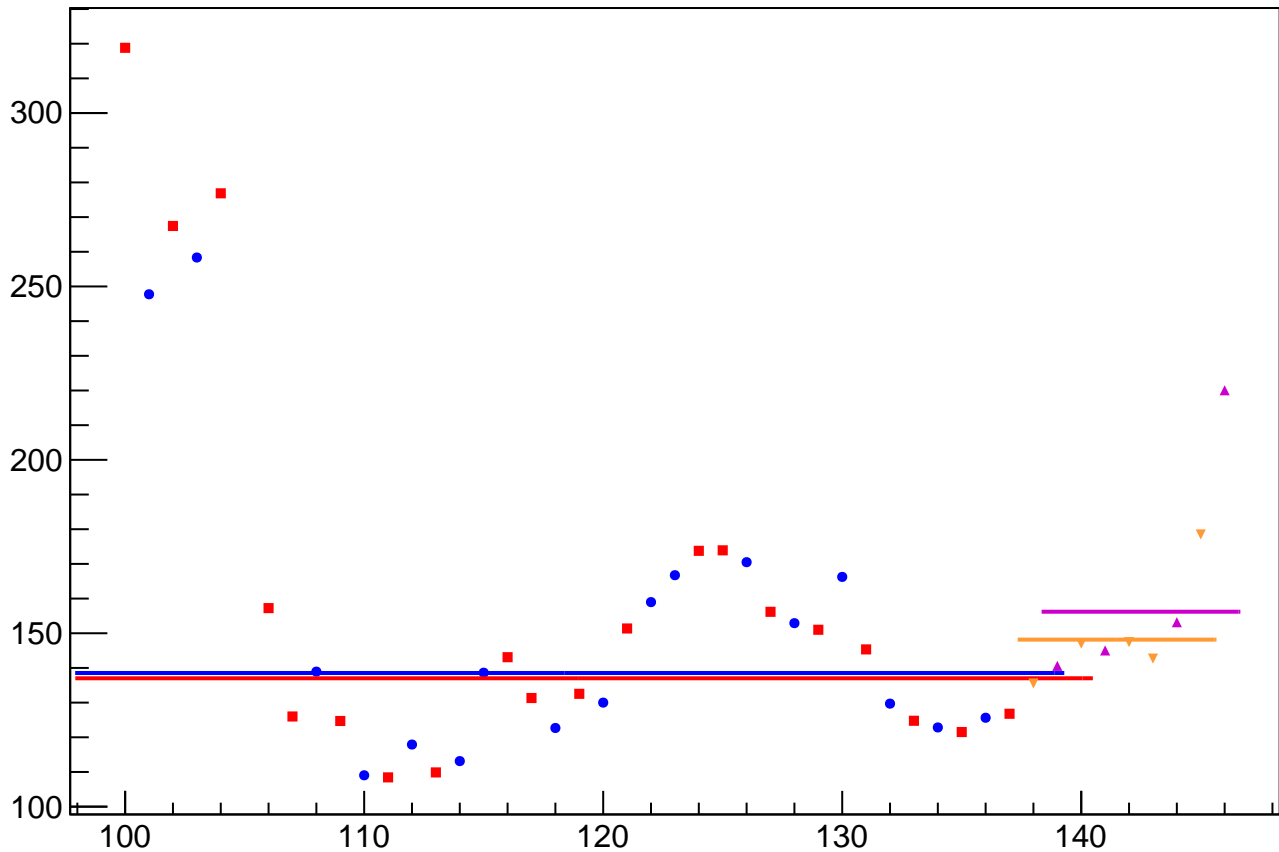
Right Out: 2073.278 ± 53.736 $\chi^2/\text{NDF}: 4644.3/19$

Left In: 8409.734 ± 89.240 $\chi^2/\text{NDF}: 2432.0/3$

-536.403 ± 46.408 $\chi^2/\text{NDF}: 23490.4/21$

3759.412 ± 46.035 $\chi^2/\text{NDF}: 10776.4/23$

asym_bpm0i01WS_rms vs Slug



Right In: 138.542+/-0.040 χ^2/NDF : 668941.7/16

Left Out: 148.161+/-0.058 χ^2/NDF : 57805.9/4

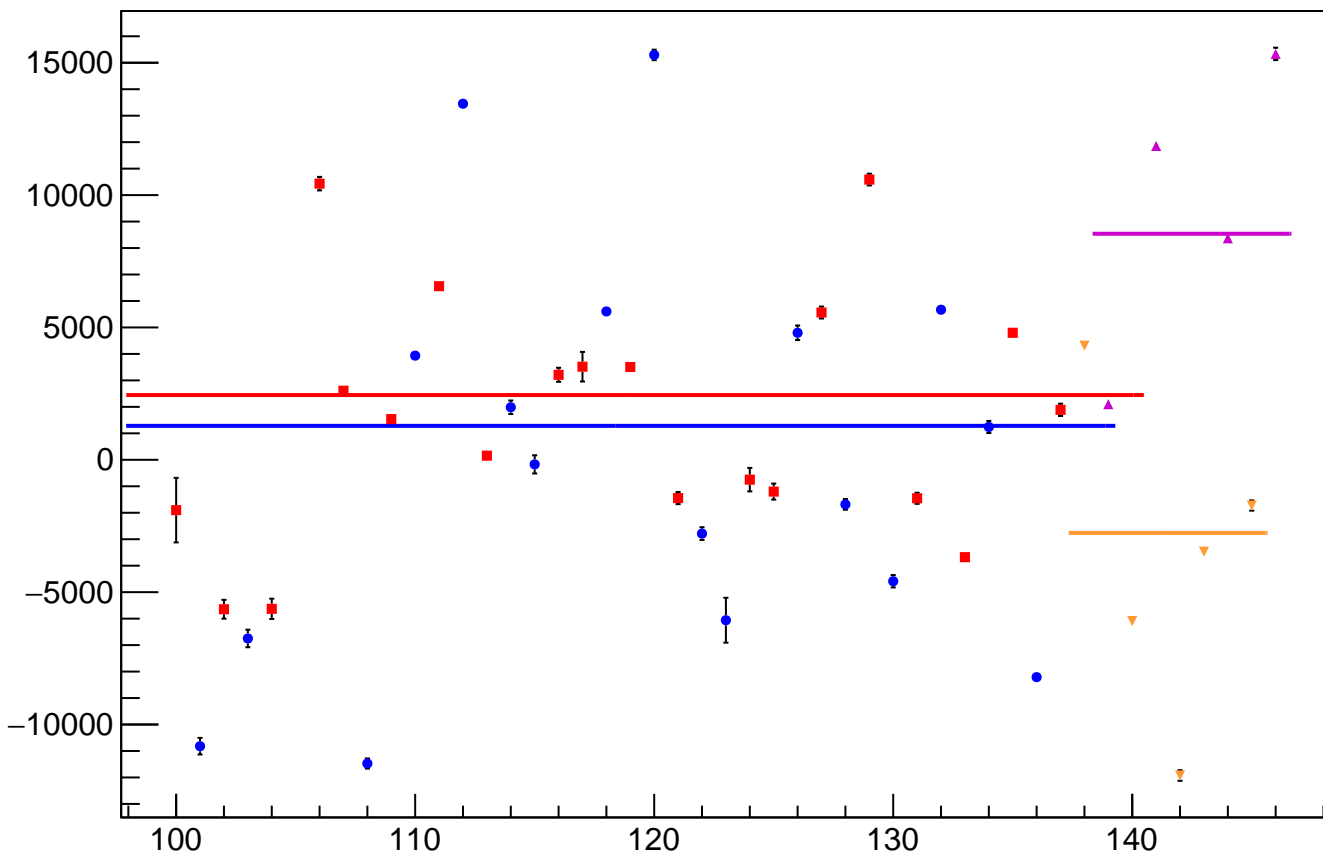
Right Out: 137.019+/-0.038 χ^2/NDF : 755655.0/19

Left In: 156.210+/-0.063 χ^2/NDF : 163467.0/3

141.569+/-0.033 χ^2/NDF : 745281.2/21

142.126+/-0.033 χ^2/NDF : 986995.8/23

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

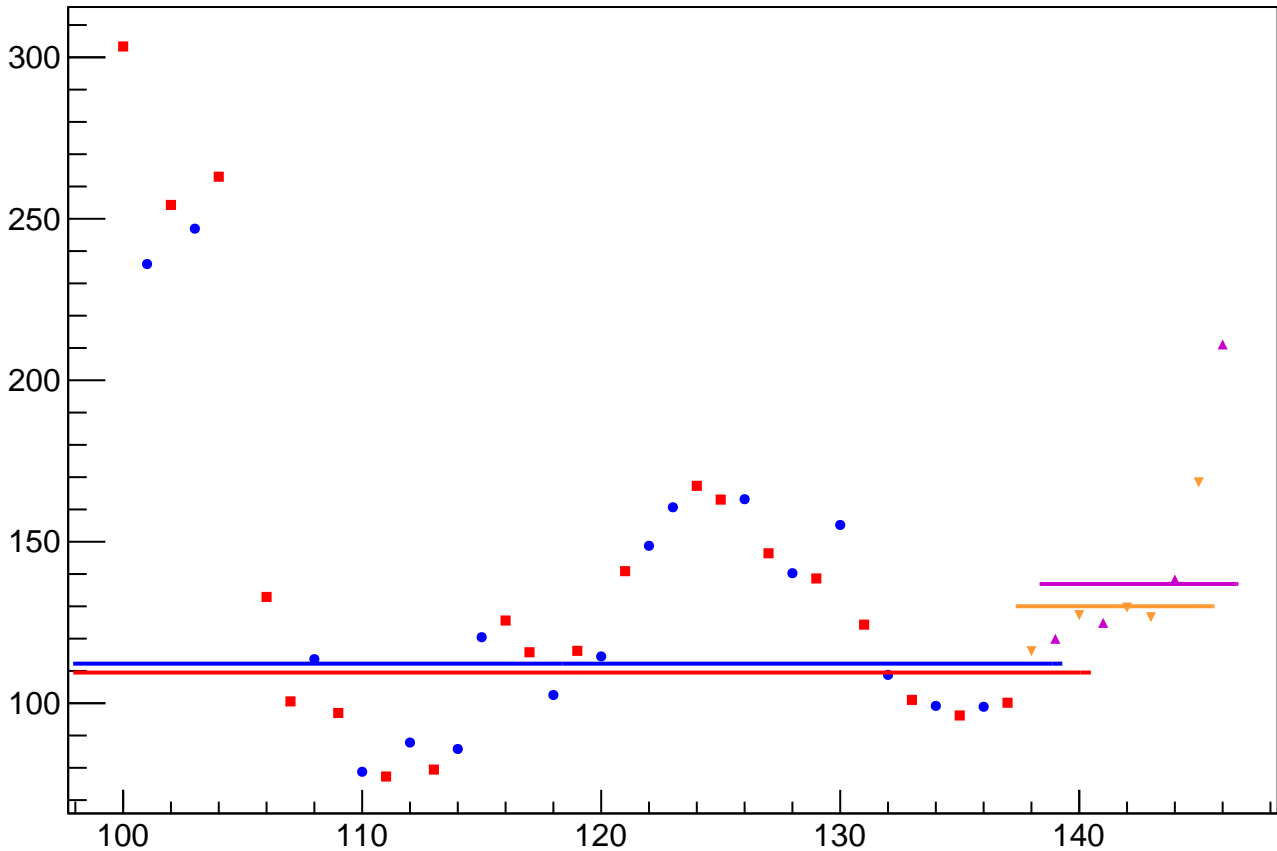
Right Out: 2446.970+/-44.148 χ^2 /NDF: 7681.2/19

Left In: 8539.642+/-78.899 χ^2 /NDF:3310.2/3

113.632+/-39.268 χ^2 /NDF: 38058.8/21

3899.709+/-38.527 χ^2 /NDF: 15532.7/23

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

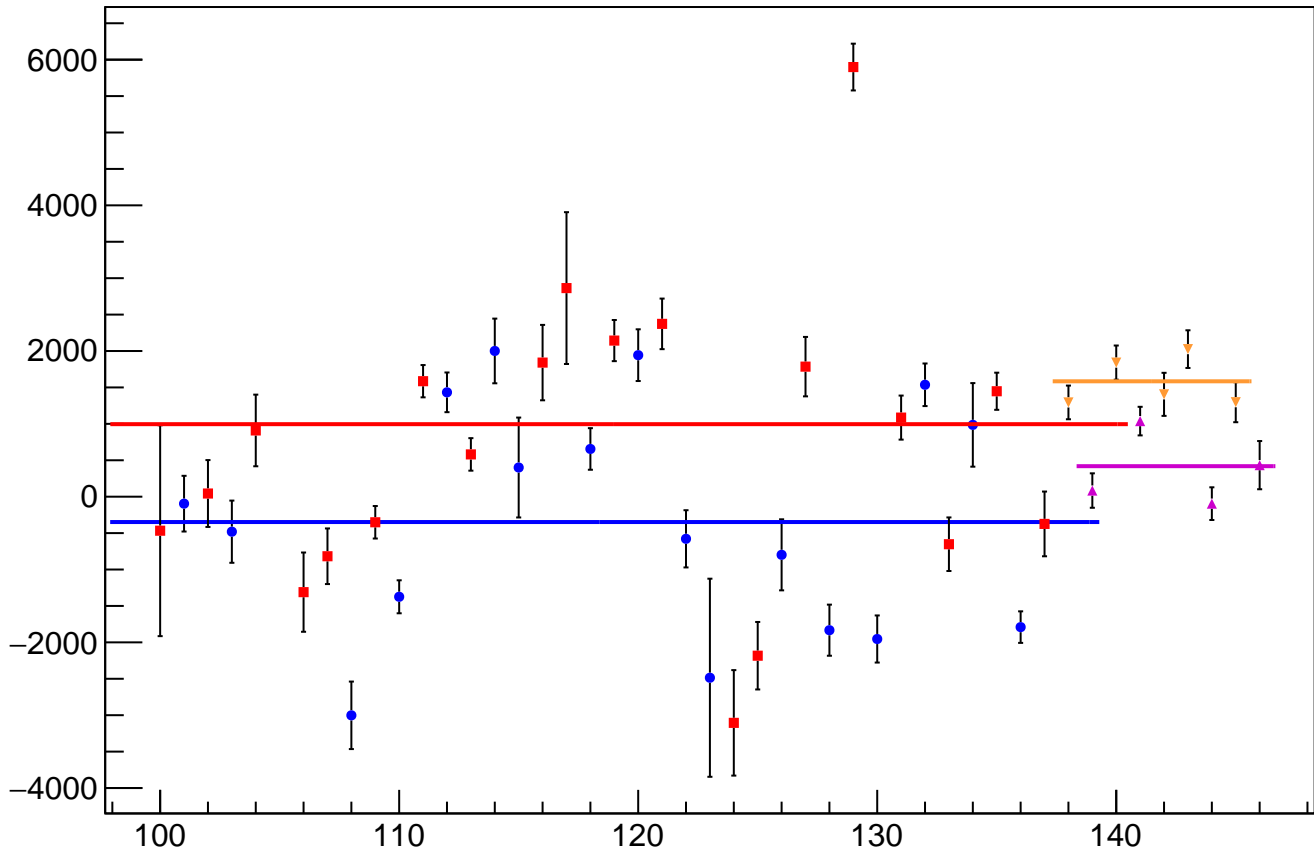
Right Out: 109.500+/-0.031 χ^2/NDF : 1269887.8/19

Left In: 136.929+/-0.056 χ^2/NDF : 242072.7/3

117.389+/-0.028 χ^2/NDF : 1309571.2/21

116.040+/-0.027 χ^2/NDF : 1696050.4/23

asym_bpm0l01WS_mean vs Slug



Right In: -348.055 ± 83.826 $\chi^2/\text{NDF}: 317.3/16$

327.438 ± 67.604 $\chi^2/\text{NDF}: 510.2/21$

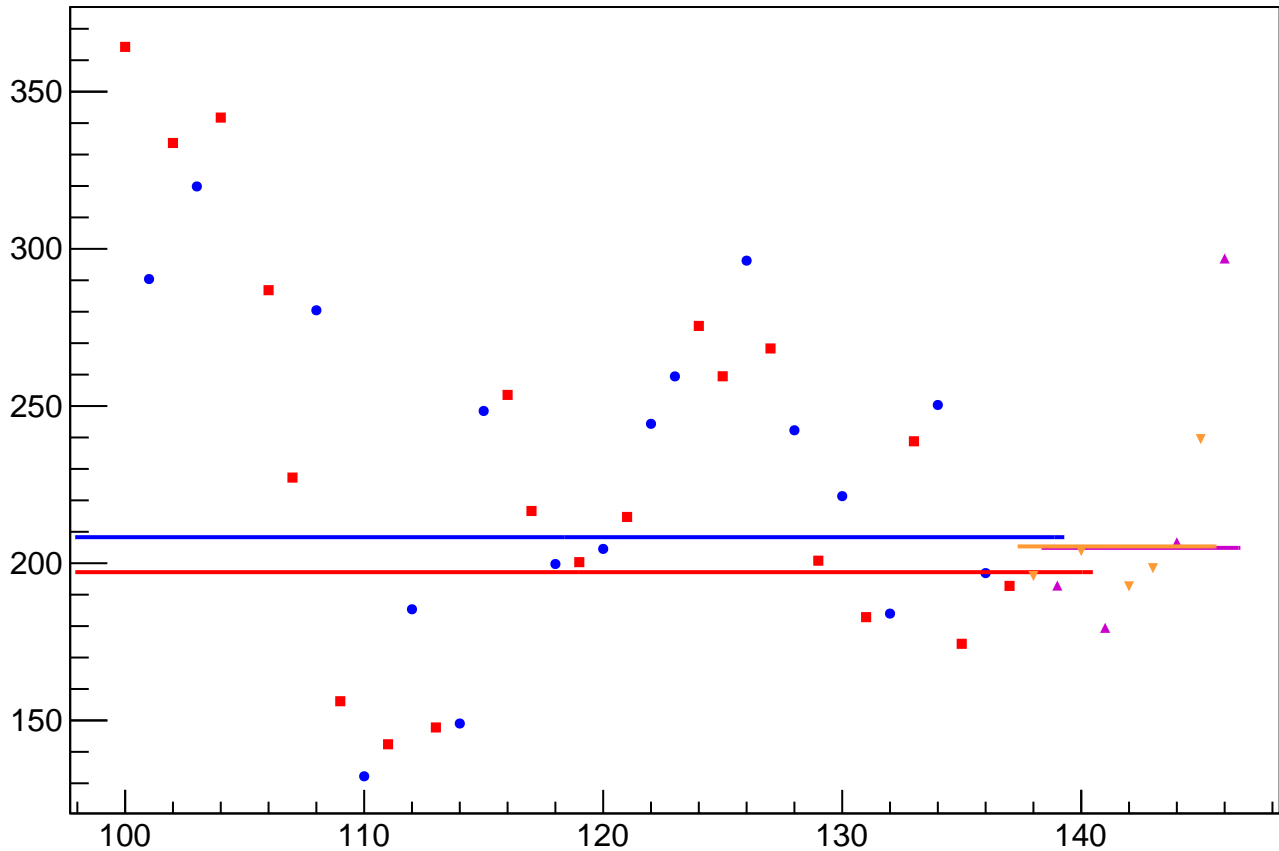
Left Out: 1584.158 ± 114.338 $\chi^2/\text{NDF}: 7.1/4$

Right Out: 995.622 ± 77.468 $\chi^2/\text{NDF}: 479.8/19$

820.158 ± 64.619 $\chi^2/\text{NDF}: 513.9/23$

Left In: 418.867 ± 117.154 $\chi^2/\text{NDF}: 17.2/3$

asym_bpm0l01WS_rms vs Slug



Right In: 208.288 \pm 0.059 χ^2 /NDF: 698491.0/16

Left Out: 205.345 \pm 0.081 χ^2 /NDF:39359.5/4

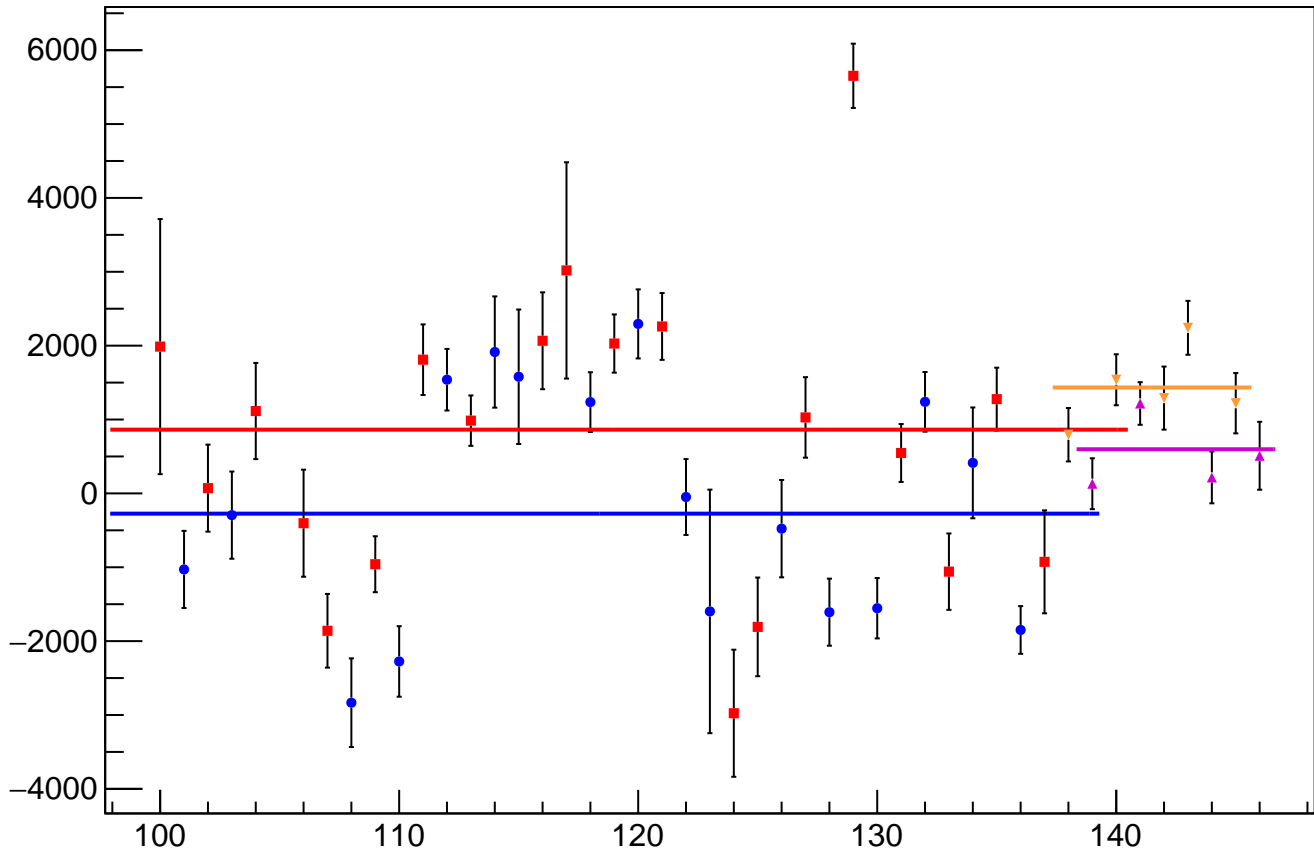
Right Out: 197.159 \pm 0.055 χ^2 /NDF: 927487.8/19

Left In: 204.890 \pm 0.083 χ^2 /NDF:193590.8/3

207.259 \pm 0.048 χ^2 /NDF: 738712.1/21

199.511 \pm 0.046 χ^2 /NDF: 1127138.2/23

asym_bpm0l02WS_mean vs Slug



Right In: -274.260 ± 121.326 $\chi^2/\text{NDF}: 171.6/16$

Left Out: 1433.565 ± 168.951 $\chi^2/\text{NDF}: 8.5/4$

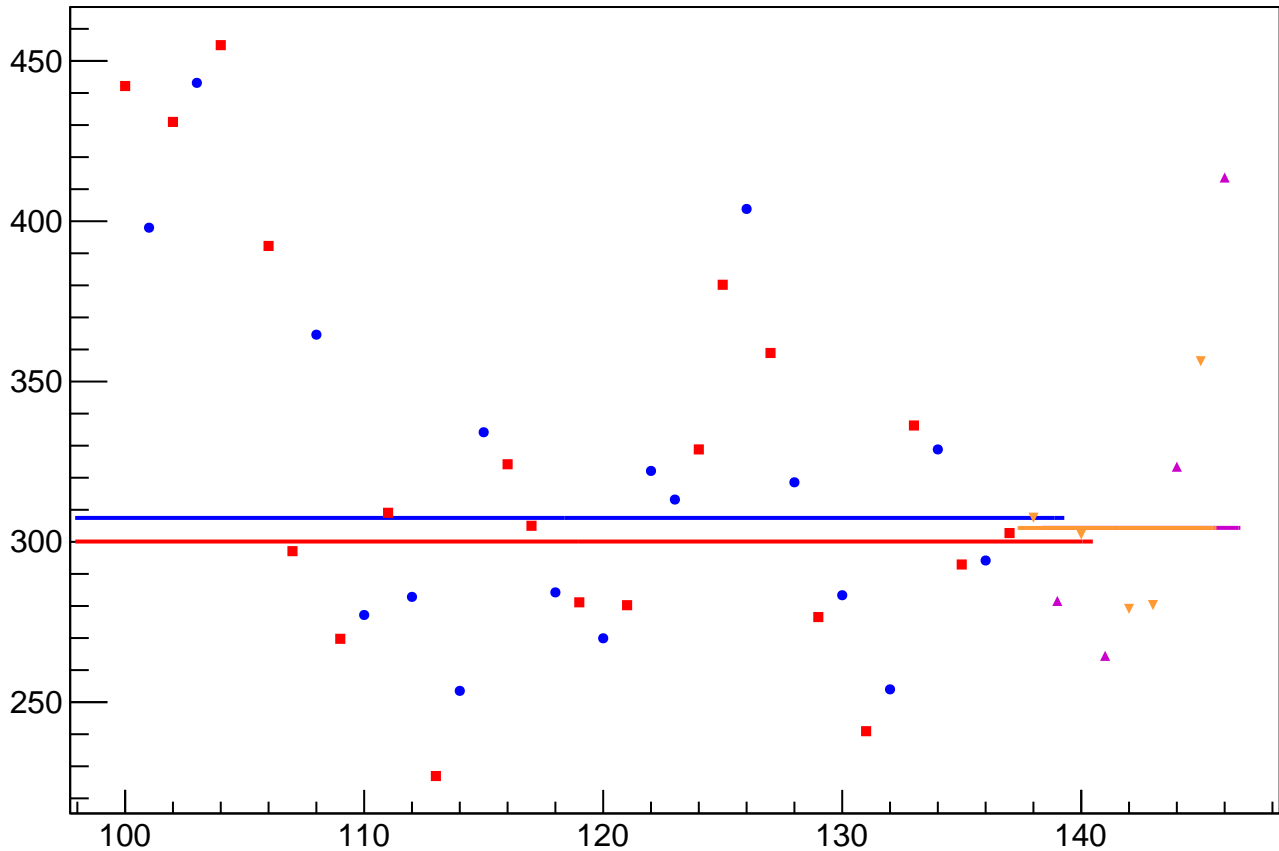
Right Out: 862.791 ± 114.993 $\chi^2/\text{NDF}: 265.4/19$

Left In: 597.551 ± 173.269 $\chi^2/\text{NDF}: 7.7/3$

306.798 ± 98.548 $\chi^2/\text{NDF}: 247.5/21$

781.687 ± 95.812 $\chi^2/\text{NDF}: 274.7/23$

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

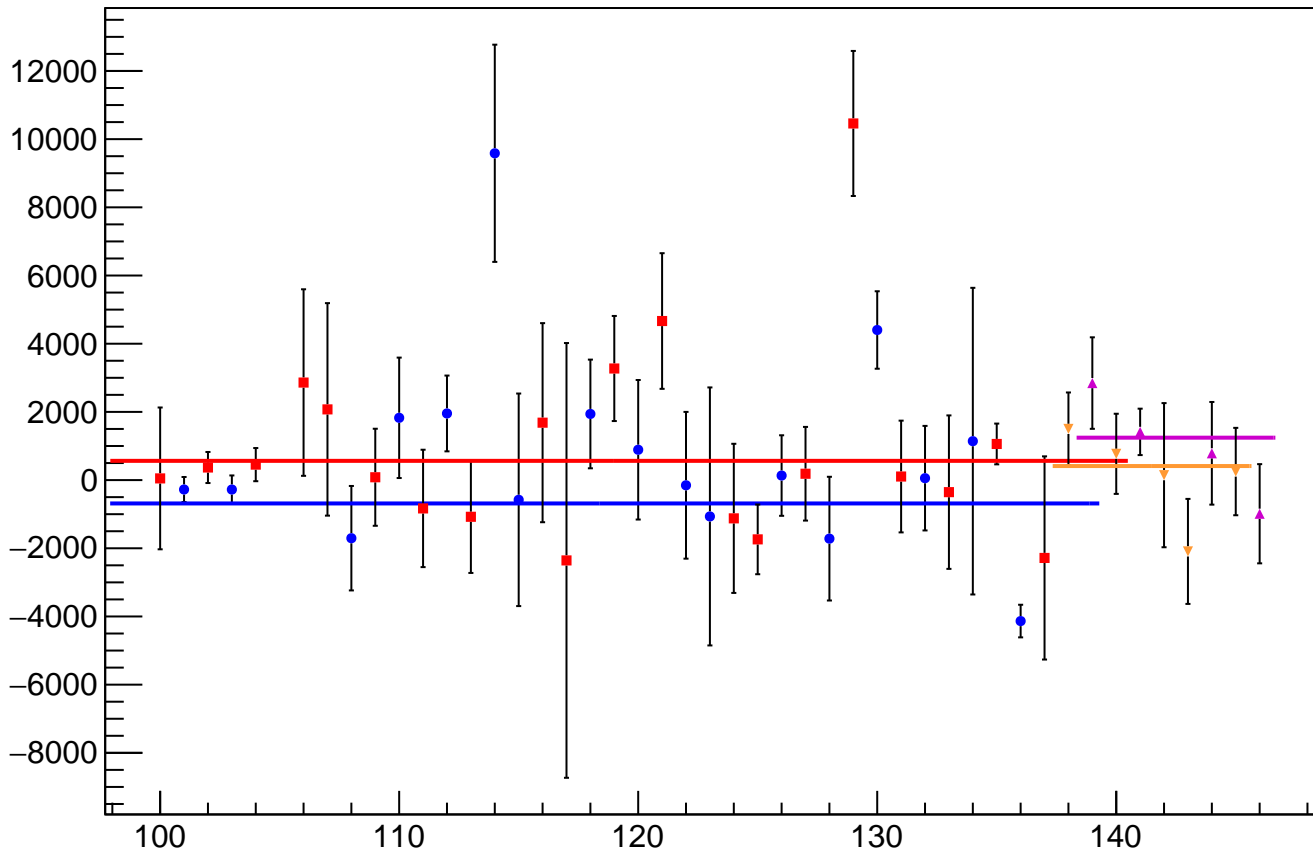
Right Out: 300.100 \pm 0.081 χ^2 /NDF: 490421.6/19

Left In: 304.365 \pm 0.123 χ^2 /NDF: 165899.4/3

306.402 \pm 0.070 χ^2 /NDF: 371874.7/21

301.404 \pm 0.068 χ^2 /NDF: 657162.2/23

asym_bpm0l03WS_mean vs Slug



Right In: -685.056 ± 210.341 $\chi^2/NDF: 97.4/16$

Left Out: 411.888 ± 591.907 $\chi^2/NDF: 3.8/4$

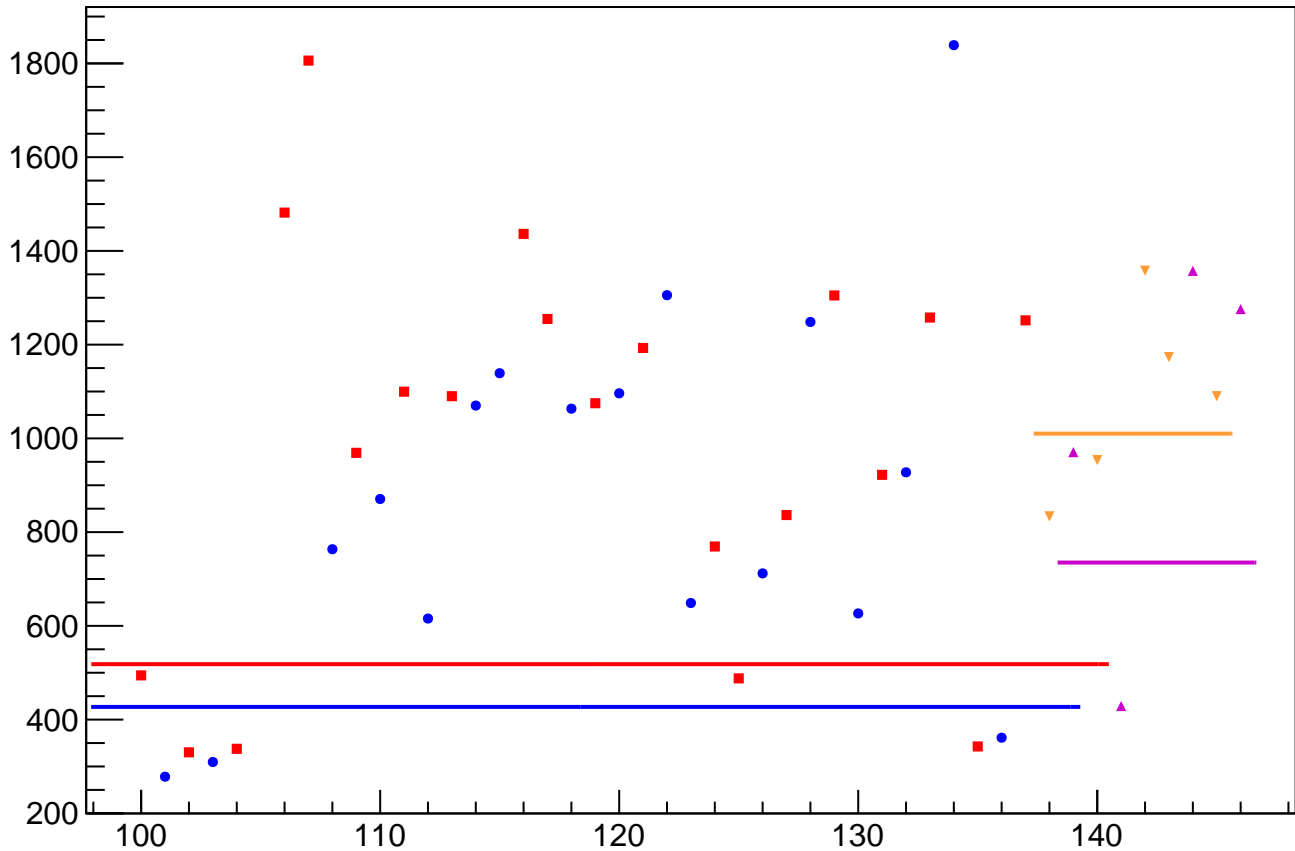
Right Out: 564.400 ± 243.074 $\chi^2/NDF: 39.9/19$

Left In: 1244.053 ± 525.007 $\chi^2/NDF: 3.9/3$

-562.064 ± 198.198 $\chi^2/NDF: 104.2/21$

684.374 ± 220.579 $\chi^2/NDF: 45.2/23$

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

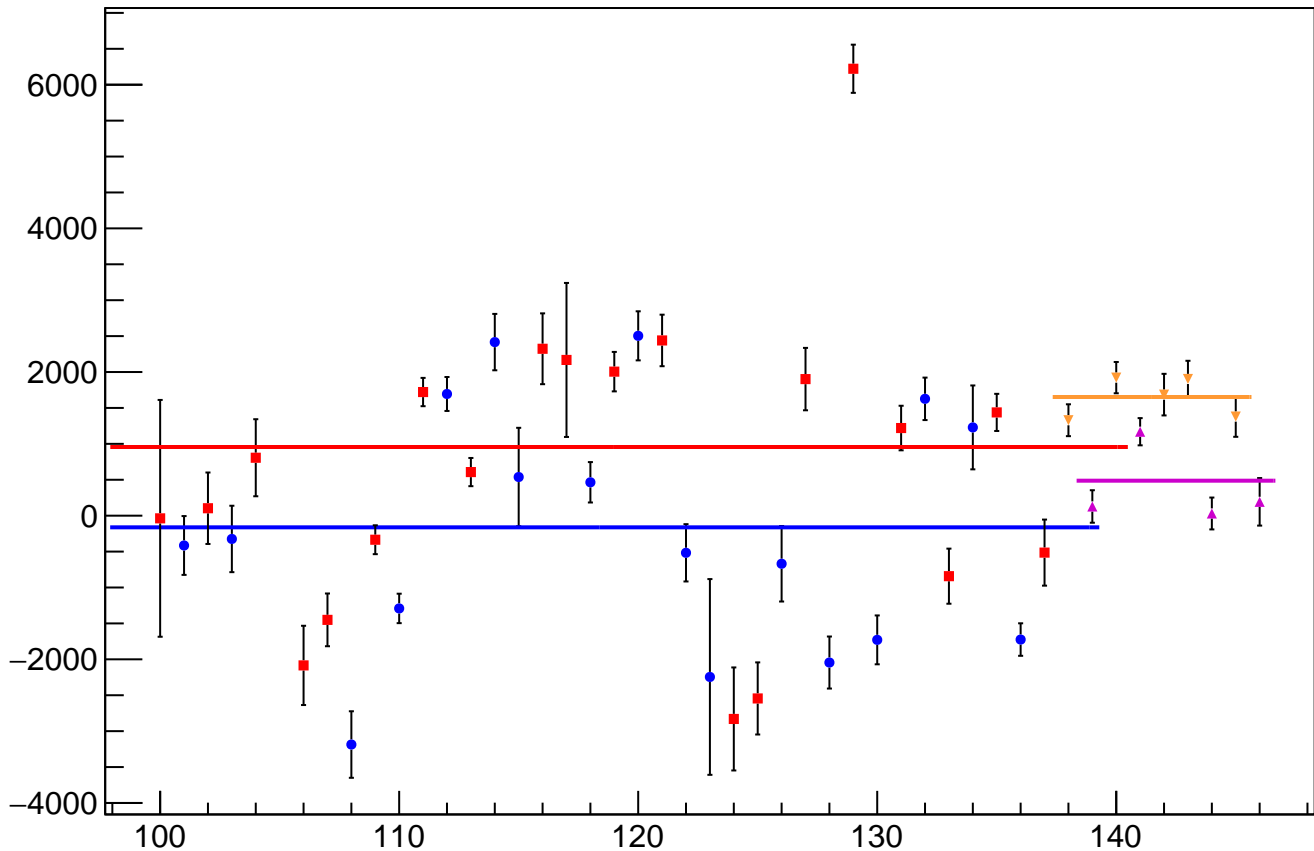
Right Out: 518.306+/-0.172 χ^2/NDF : 3631833.9/19

Left In: 735.082+/-0.371 χ^2/NDF : 1084454.4/3

492.452+/-0.140 χ^2/NDF : 4732167.9/21

556.572+/-0.156 χ^2/NDF : 4997073.1/23

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 $\chi^2/\text{NDF}: 387.6/16$

Left Out: 1652.243 ± 110.754 $\chi^2/\text{NDF}: 5.6/4$

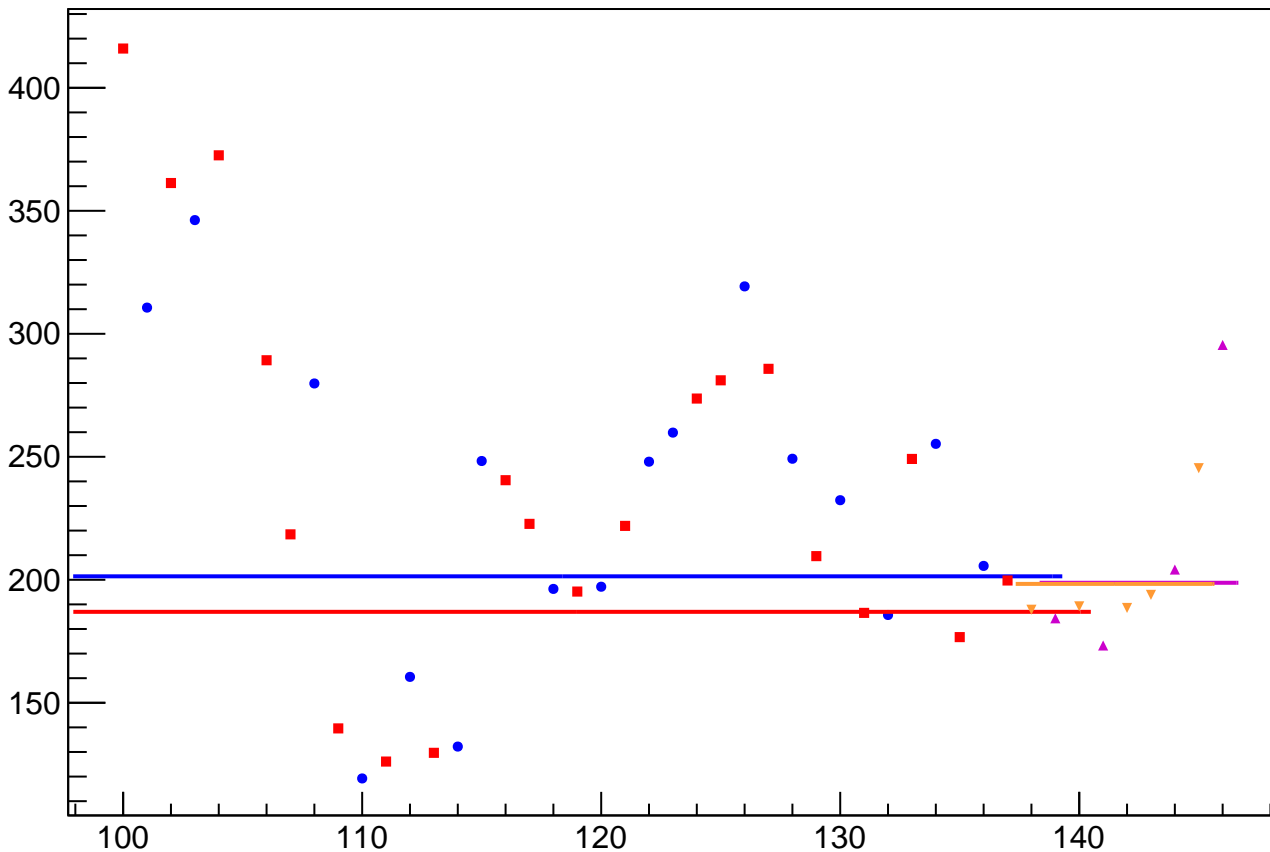
Right Out: 956.044 ± 74.949 $\chi^2/\text{NDF}: 541.1/19$

Left In: 487.083 ± 114.076 $\chi^2/\text{NDF}: 20.5/3$

483.698 ± 66.084 $\chi^2/\text{NDF}: 566.0/21$

814.647 ± 62.639 $\chi^2/\text{NDF}: 573.4/23$

asym_bpm0l04WS_rms vs Slug



Right In: 201.409 \pm 0.058 χ^2 /NDF: 1056022.1/16

200.312 \pm 0.047 χ^2 /NDF: 1123614.8/21

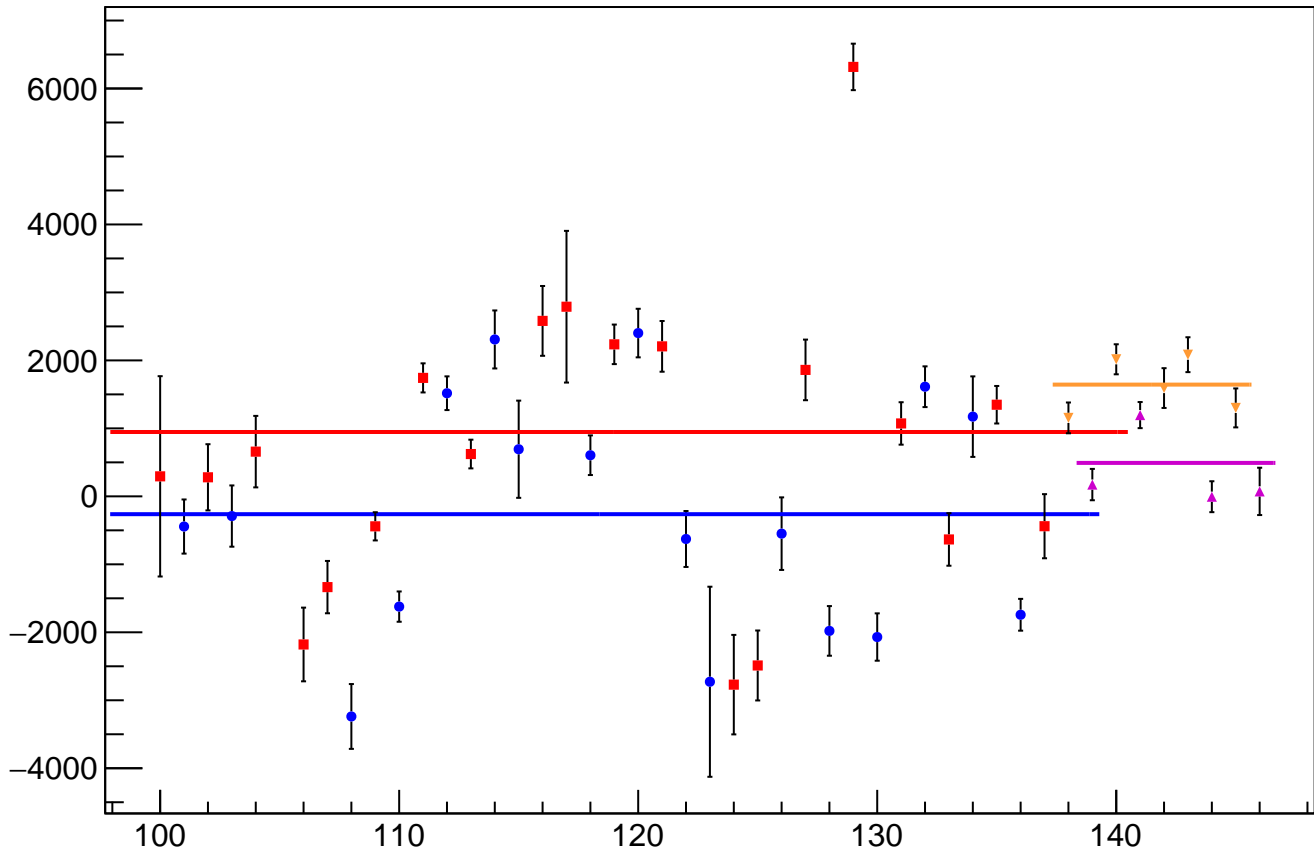
Left Out: 198.329 \pm 0.078 χ^2 /NDF:66596.1/4

Right Out: 186.973 \pm 0.053 χ^2 /NDF: 1395397.8/19

190.535 \pm 0.044 χ^2 /NDF: 1626631.9/23

Left In: 198.785 \pm 0.081 χ^2 /NDF:216256.3/3

asym_bpm0l05WS_mean vs Slug



Right In: -262.324 ± 85.433 $\chi^2/\text{NDF}: 368.7/16$

434.958 ± 68.036 $\chi^2/\text{NDF}: 562.7/21$

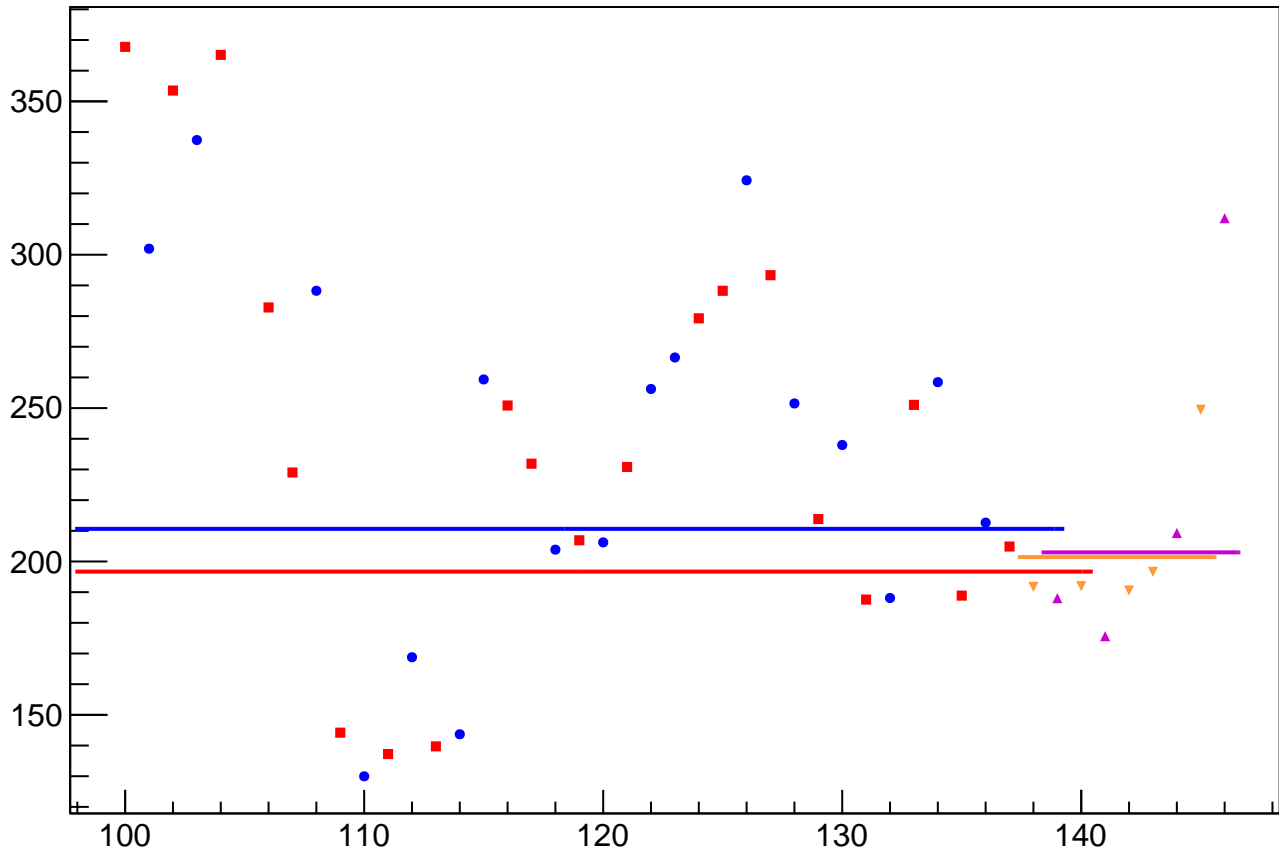
Left Out: 1643.863 ± 112.491 $\chi^2/\text{NDF}: 11.9/4$

Right Out: 946.785 ± 78.241 $\chi^2/\text{NDF}: 524.6/19$

805.607 ± 64.973 $\chi^2/\text{NDF}: 556.7/23$

Left In: 491.952 ± 116.621 $\chi^2/\text{NDF}: 21.6/3$

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

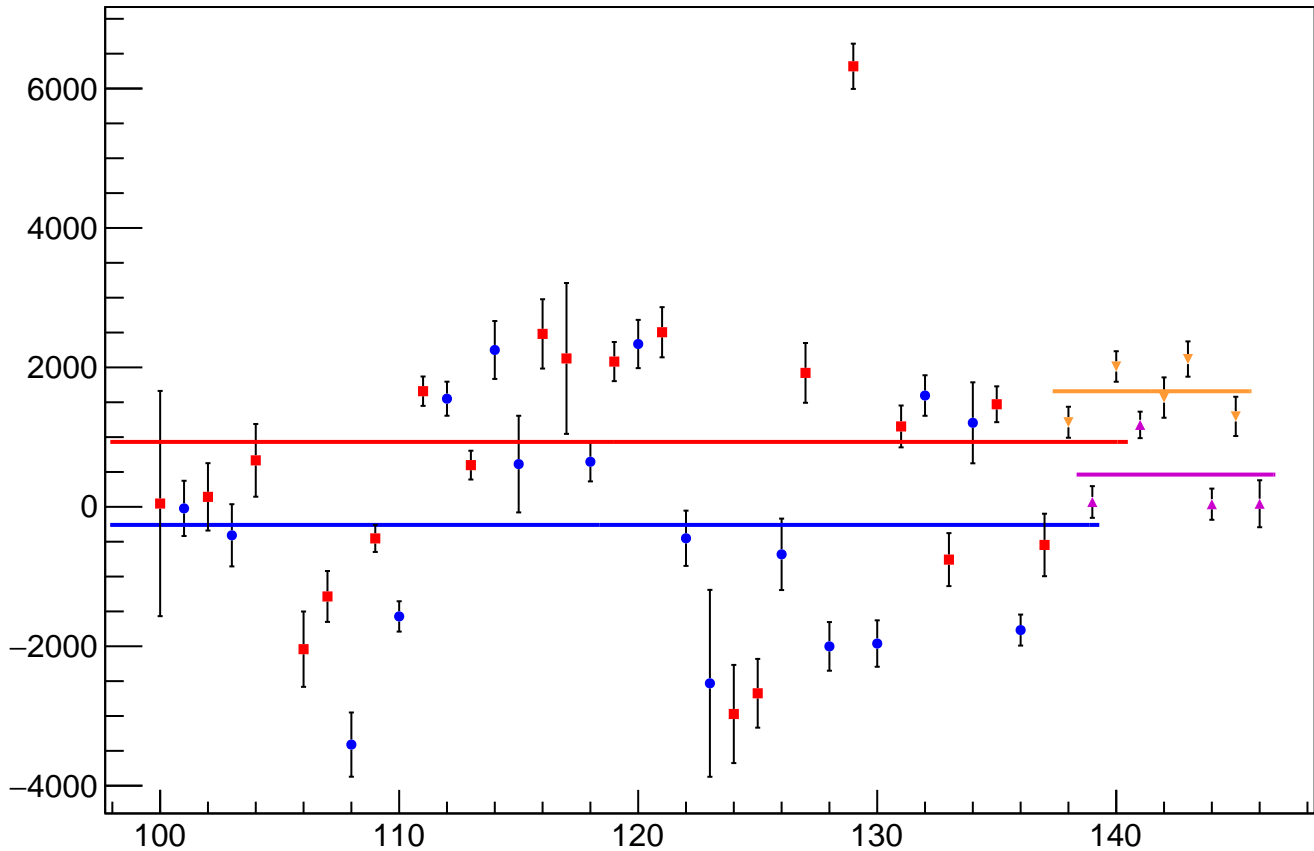
Right Out: 196.702+/-0.055 χ^2/NDF : 1207089.6/19

Left In: 202.971+/-0.082 χ^2/NDF : 246427.3/3

207.273+/-0.048 χ^2/NDF : 951333.4/21

198.648+/-0.046 χ^2/NDF : 1457502.4/23

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 $\chi^2/\text{NDF}: 391.2/16$

426.742 ± 66.358 $\chi^2/\text{NDF}: 594.7/21$

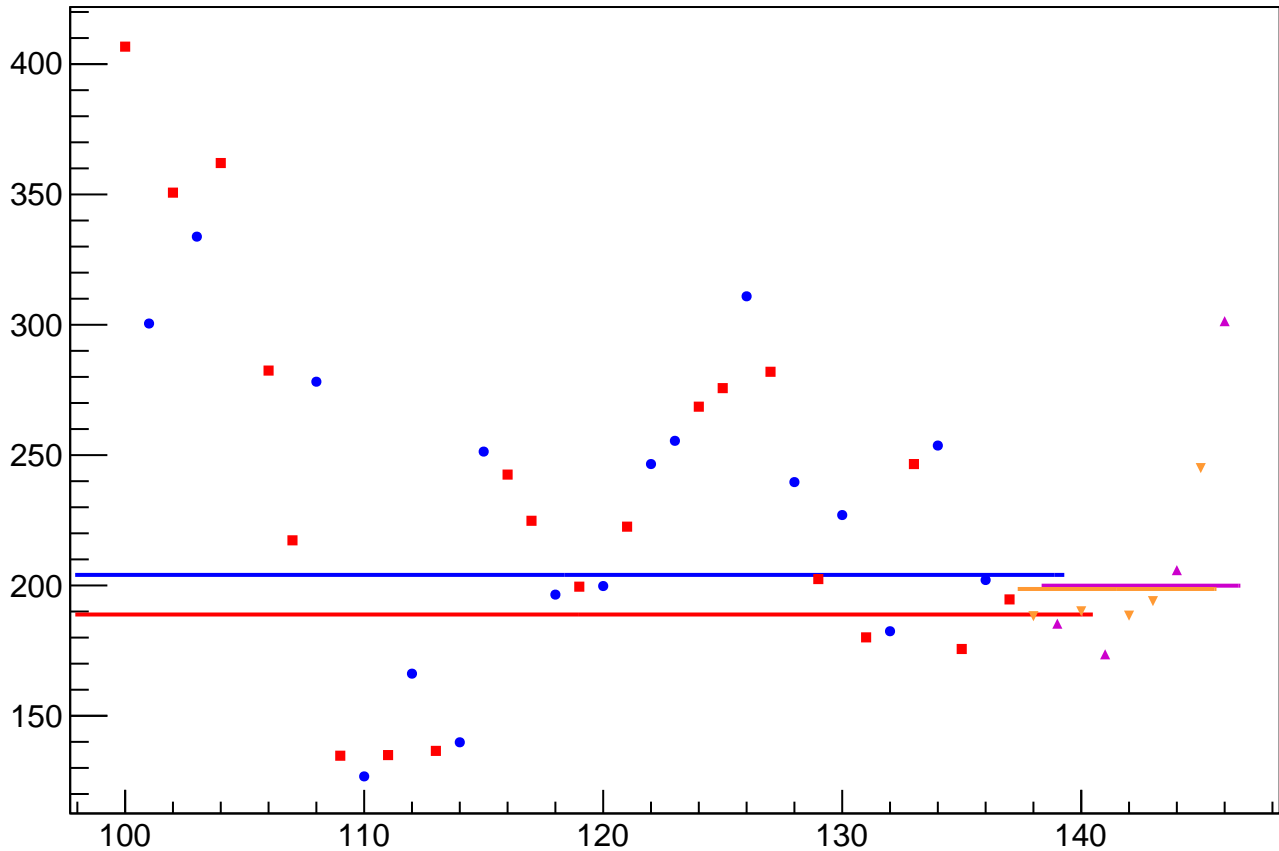
Left Out: 1658.034 ± 110.942 $\chi^2/\text{NDF}: 11.7/4$

Right Out: 931.363 ± 75.320 $\chi^2/\text{NDF}: 583.1/19$

790.306 ± 62.973 $\chi^2/\text{NDF}: 617.0/23$

Left In: 462.700 ± 114.786 $\chi^2/\text{NDF}: 22.2/3$

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

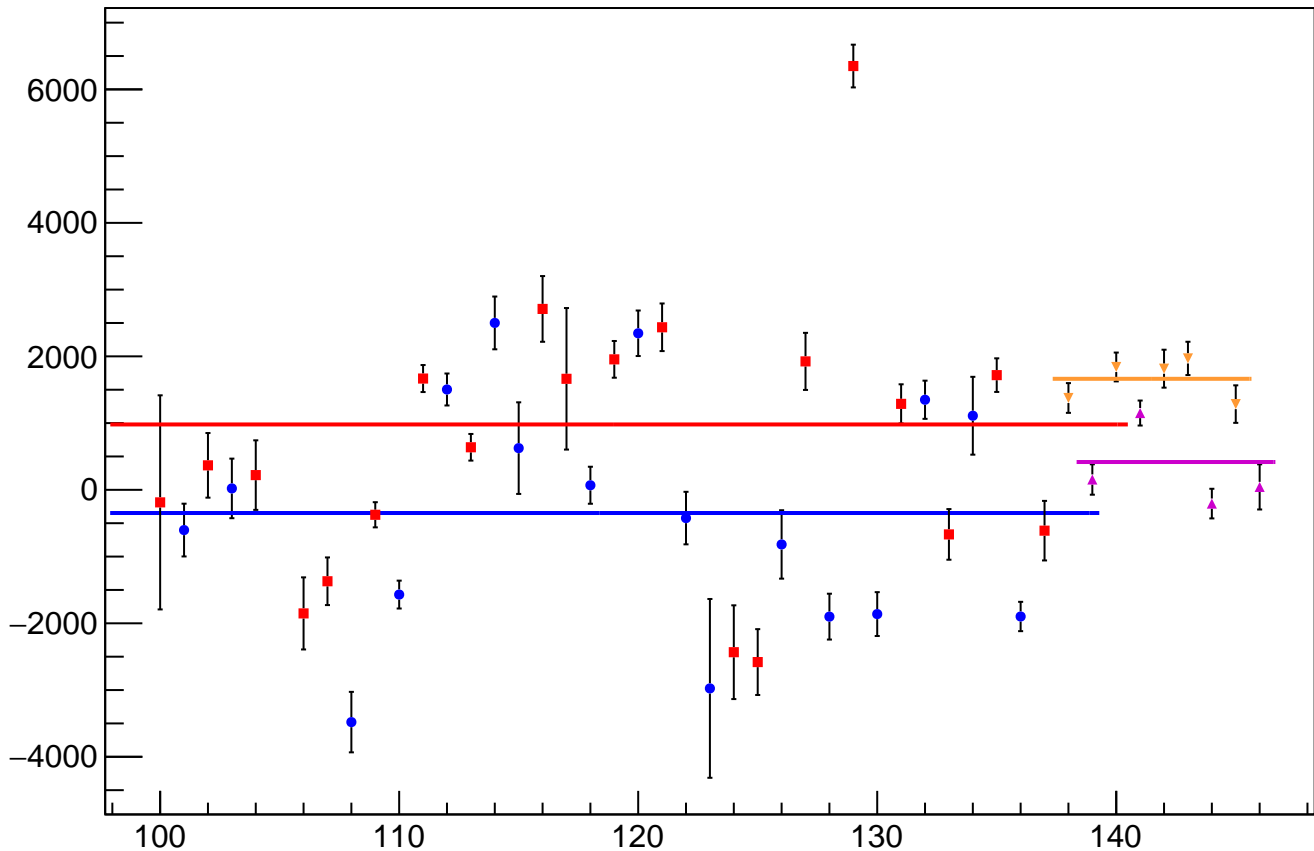
Right Out: 188.856 ± 0.053 χ^2/NDF : 1253327.1/19

Left In: 199.918 ± 0.081 χ^2/NDF : 229460.6/3

202.119 ± 0.047 χ^2/NDF : 936384.7/21

192.185 ± 0.045 χ^2/NDF : 1495773.4/23

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 ± 81.318 $\chi^2/\text{NDF}: 399.1/16$

Left Out: 1663.587 ± 109.993 $\chi^2/\text{NDF}: 5.9/4$

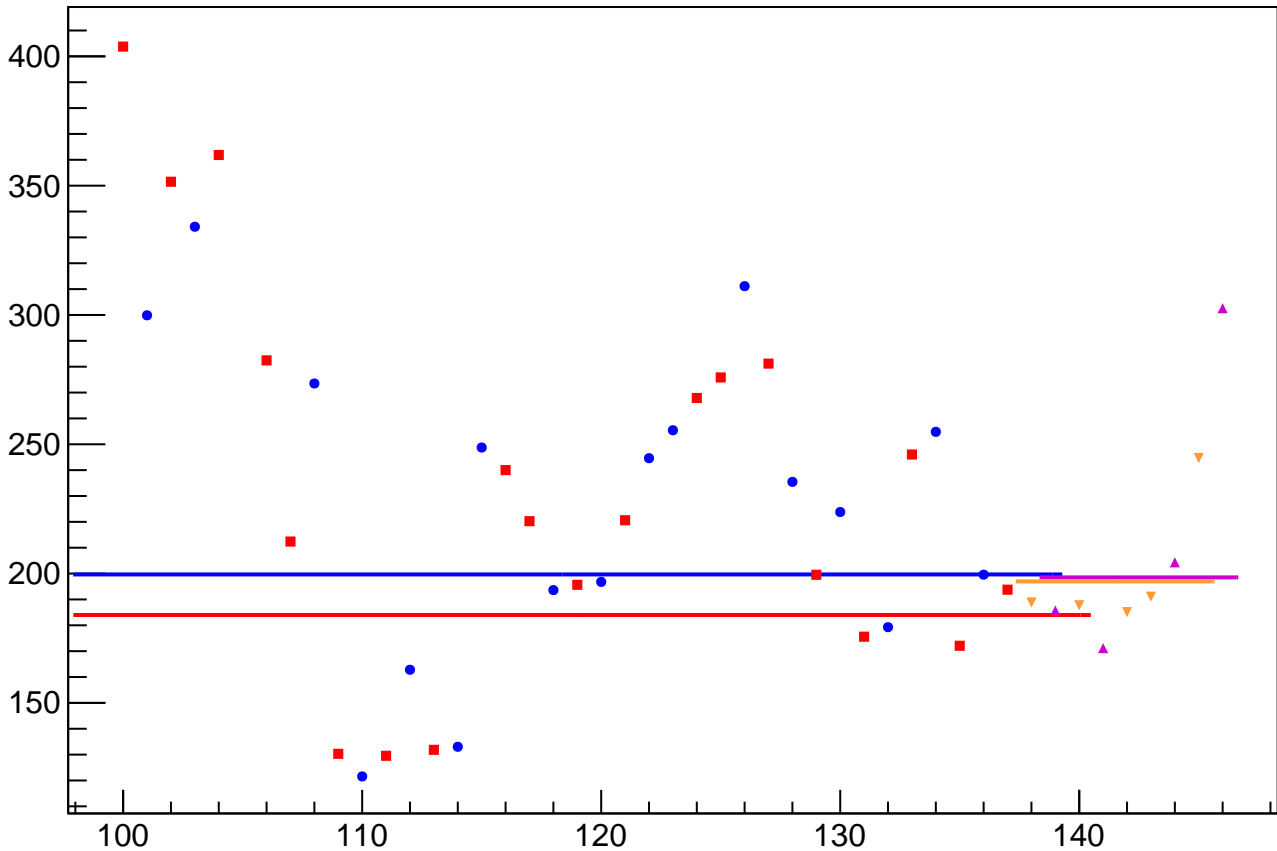
Right Out: 979.606 ± 73.710 $\chi^2/\text{NDF}: 586.1/19$

Left In: 416.759 ± 114.085 $\chi^2/\text{NDF}: 25.8/3$

363.399 ± 65.388 $\chi^2/\text{NDF}: 621.1/21$

813.845 ± 61.912 $\chi^2/\text{NDF}: 629.1/23$

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 \pm 0.058 χ^2 /NDF: 943155.1/16

198.714 \pm 0.046 χ^2 /NDF: 1012502.6/21

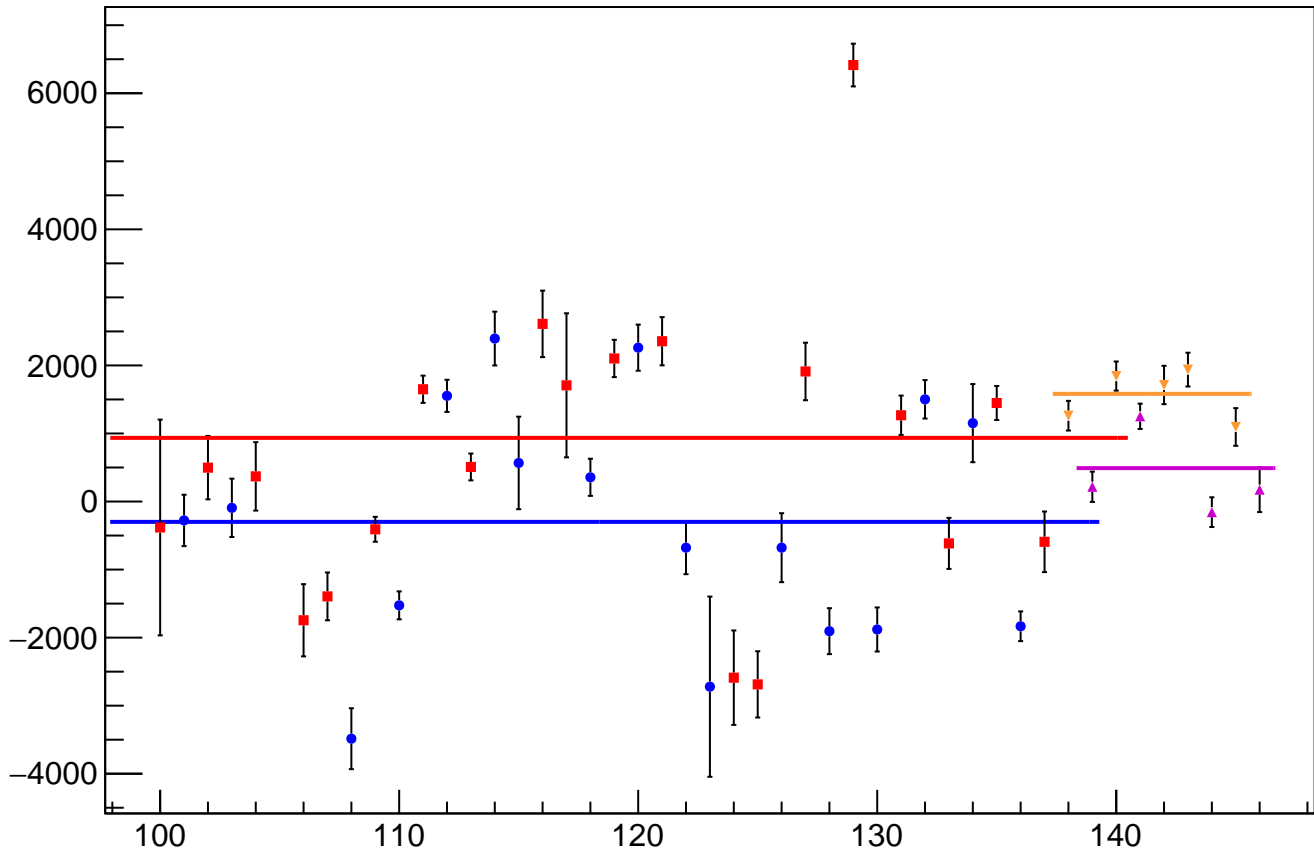
Left Out: 196.967 \pm 0.078 χ^2 /NDF:68567.0/4

Right Out: 183.984 \pm 0.052 χ^2 /NDF: 1351978.1/19

188.268 \pm 0.044 χ^2 /NDF: 1614680.4/23

Left In: 198.529 \pm 0.081 χ^2 /NDF:239770.2/3

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 $\chi^2/\text{NDF}: 406.6/16$

363.635 ± 64.519 $\chi^2/\text{NDF}: 609.6/21$

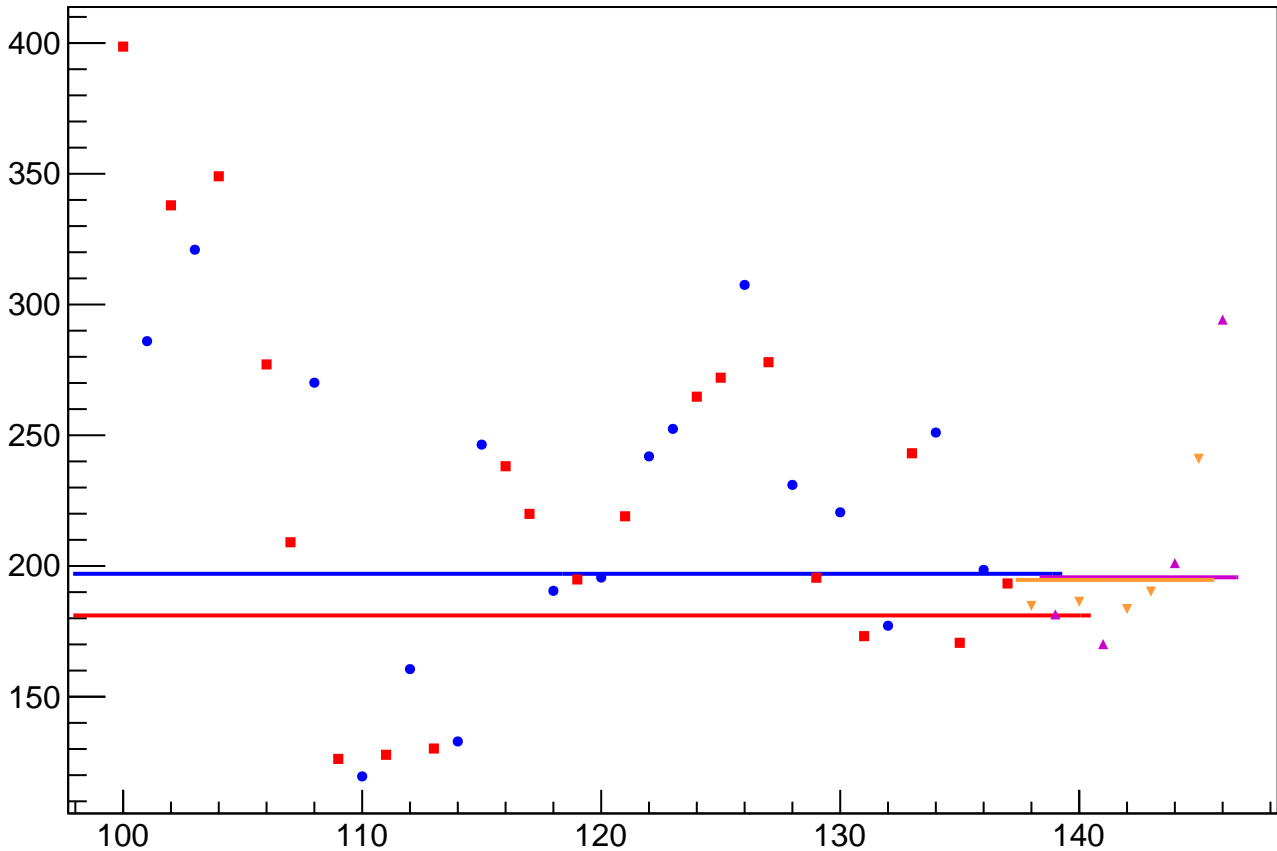
Left Out: 1582.371 ± 108.717 $\chi^2/\text{NDF}: 9.0/4$

Right Out: 935.490 ± 72.580 $\chi^2/\text{NDF}: 615.3/19$

804.624 ± 60.969 $\chi^2/\text{NDF}: 654.3/23$

Left In: 490.912 ± 112.374 $\chi^2/\text{NDF}: 28.0/3$

asym_bpm0l08WS_rms vs Slug



Right In: 197.013+/-0.057 χ^2/NDF : 911923.5/16

196.190+/-0.046 χ^2/NDF : 979402.7/21

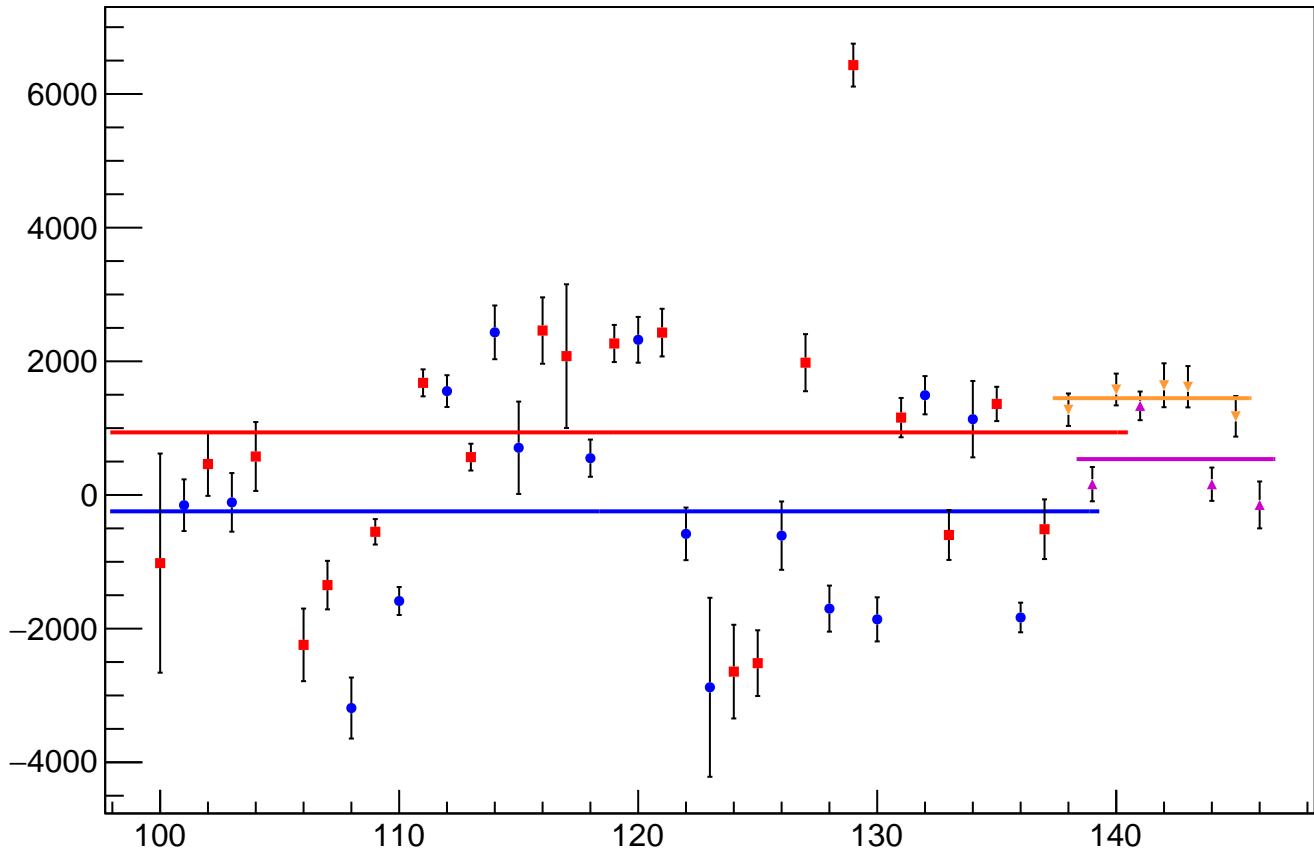
Left Out: 194.675+/-0.077 χ^2/NDF : 66879.8/4

Right Out: 181.089+/-0.051 χ^2/NDF : 1348390.5/19

185.382+/-0.043 χ^2/NDF : 1598432.8/23

Left In: 195.673+/-0.079 χ^2/NDF : 226273.6/3

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 ± 81.395 $\chi^2/\text{NDF}: 391.4/16$

266.112 ± 68.013 $\chi^2/\text{NDF}: 524.3/21$

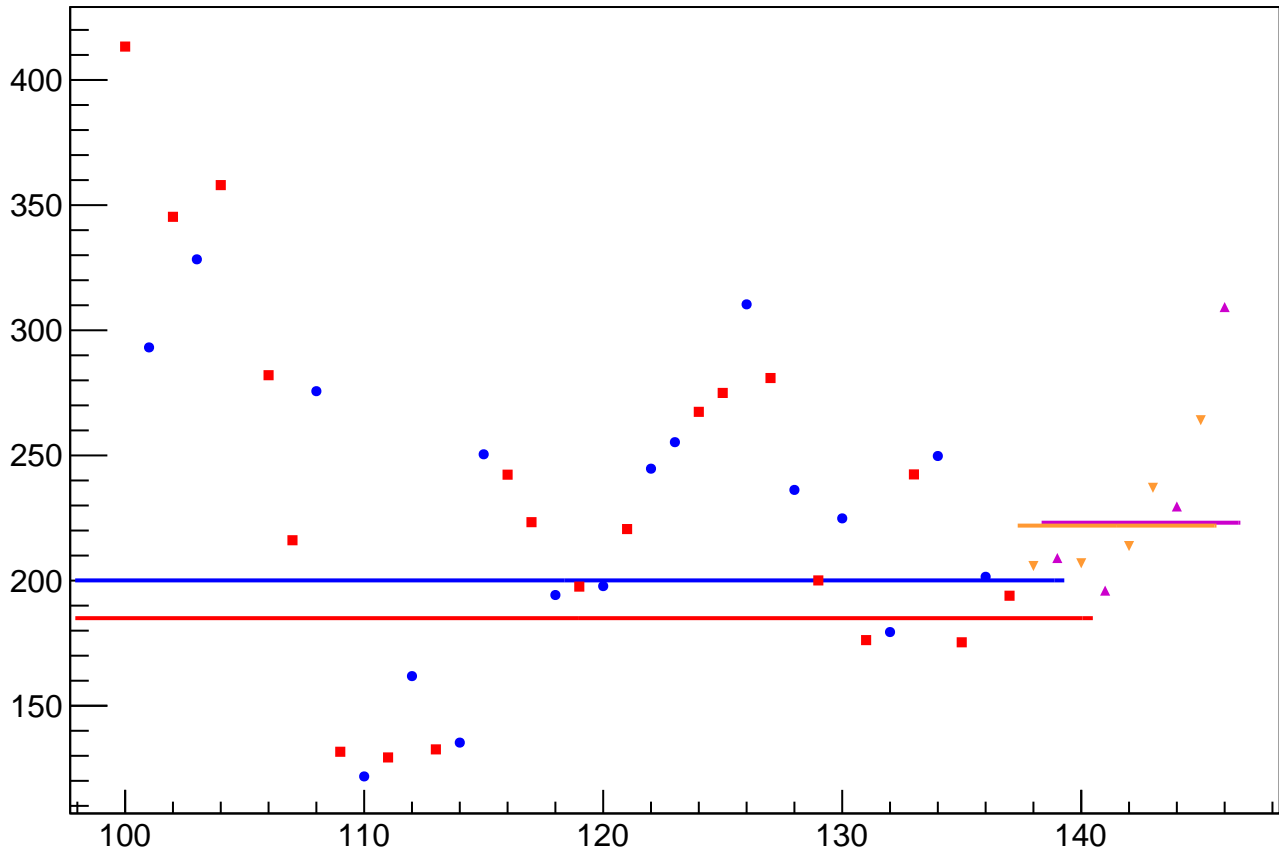
Left Out: 1448.416 ± 123.804 $\chi^2/\text{NDF}: 2.3/4$

Right Out: 936.709 ± 74.030 $\chi^2/\text{NDF}: 610.9/19$

836.389 ± 64.067 $\chi^2/\text{NDF}: 640.2/23$

Left In: 537.073 ± 127.872 $\chi^2/\text{NDF}: 22.0/3$

asym_bpm0l09WS_rms vs Slug



Right In: 200.078 ± 0.058 $\chi^2/\text{NDF}: 918309.2/16$

Left Out: 221.969 ± 0.088 $\chi^2/\text{NDF}: 61382.8/4$

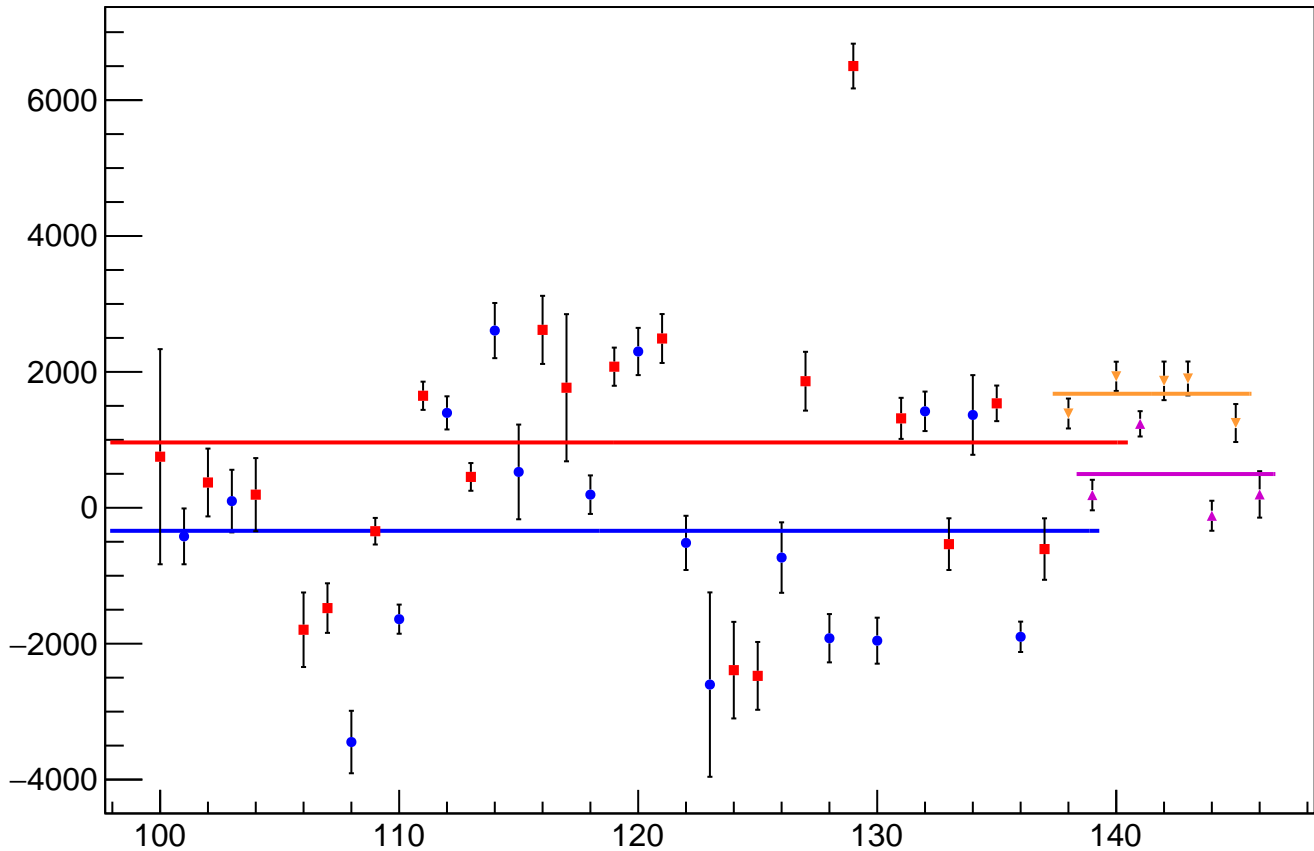
206.685 ± 0.048 $\chi^2/\text{NDF}: 1023351.5/21$

Right Out: 184.990 ± 0.052 $\chi^2/\text{NDF}: 1320825.4/19$

194.564 ± 0.045 $\chi^2/\text{NDF}: 1614084.5/23$

Left In: 223.130 ± 0.090 $\chi^2/\text{NDF}: 160000.6/3$

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 $\chi^2/\text{NDF}: 389.5/16$

399.125 ± 66.192 $\chi^2/\text{NDF}: 611.8/21$

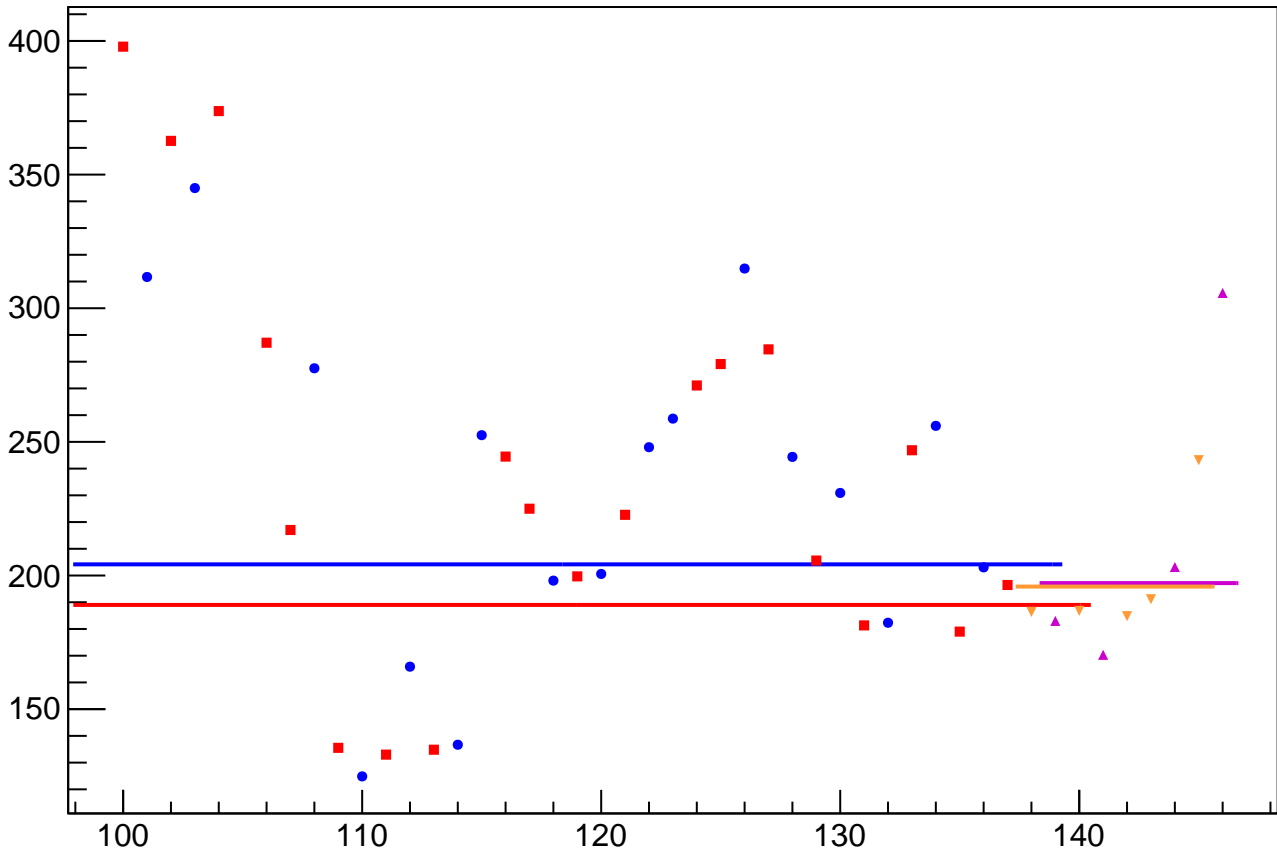
Left Out: 1678.312 ± 109.429 $\chi^2/\text{NDF}: 6.8/4$

Right Out: 961.556 ± 75.564 $\chi^2/\text{NDF}: 570.9/19$

818.681 ± 62.889 $\chi^2/\text{NDF}: 608.6/23$

Left In: 496.670 ± 113.442 $\chi^2/\text{NDF}: 26.1/3$

asym_bpm0l10WS_rms vs Slug



Right In: 204.175 \pm 0.059 χ^2 /NDF: 947438.5/16

Left Out: 195.864 \pm 0.077 χ^2 /NDF:68296.0/4

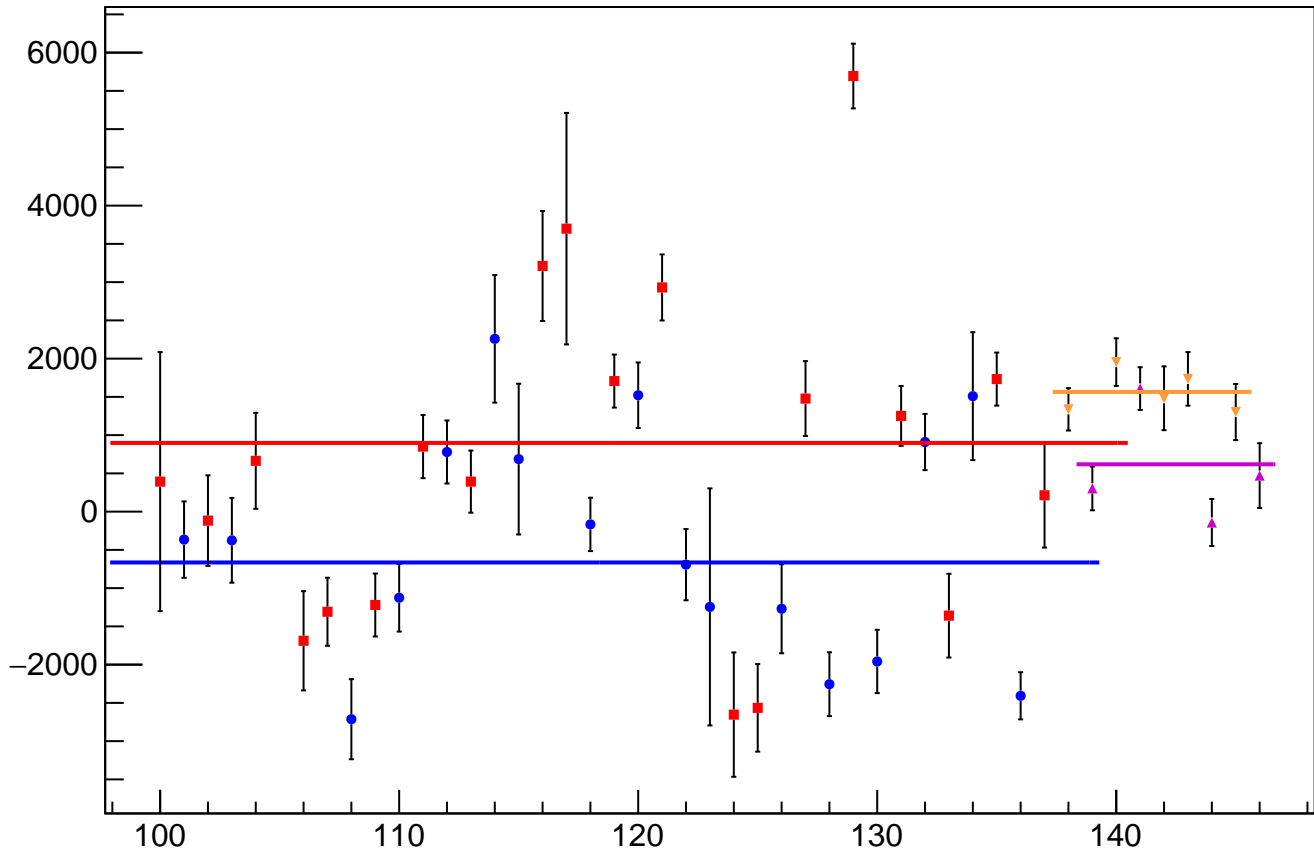
Right Out: 188.997 \pm 0.053 χ^2 /NDF: 1317112.1/19

Left In: 197.163 \pm 0.080 χ^2 /NDF:252753.1/3

201.134 \pm 0.047 χ^2 /NDF: 1023049.3/21

191.507 \pm 0.044 χ^2 /NDF: 1577042.8/23

asym_bpm0r03WS_mean vs Slug



Right In: -664.383 ± 113.949 $\chi^2/\text{NDF}: 154.3/16$

Left Out: 1565.110 ± 149.591 $\chi^2/\text{NDF}: 3.0/4$

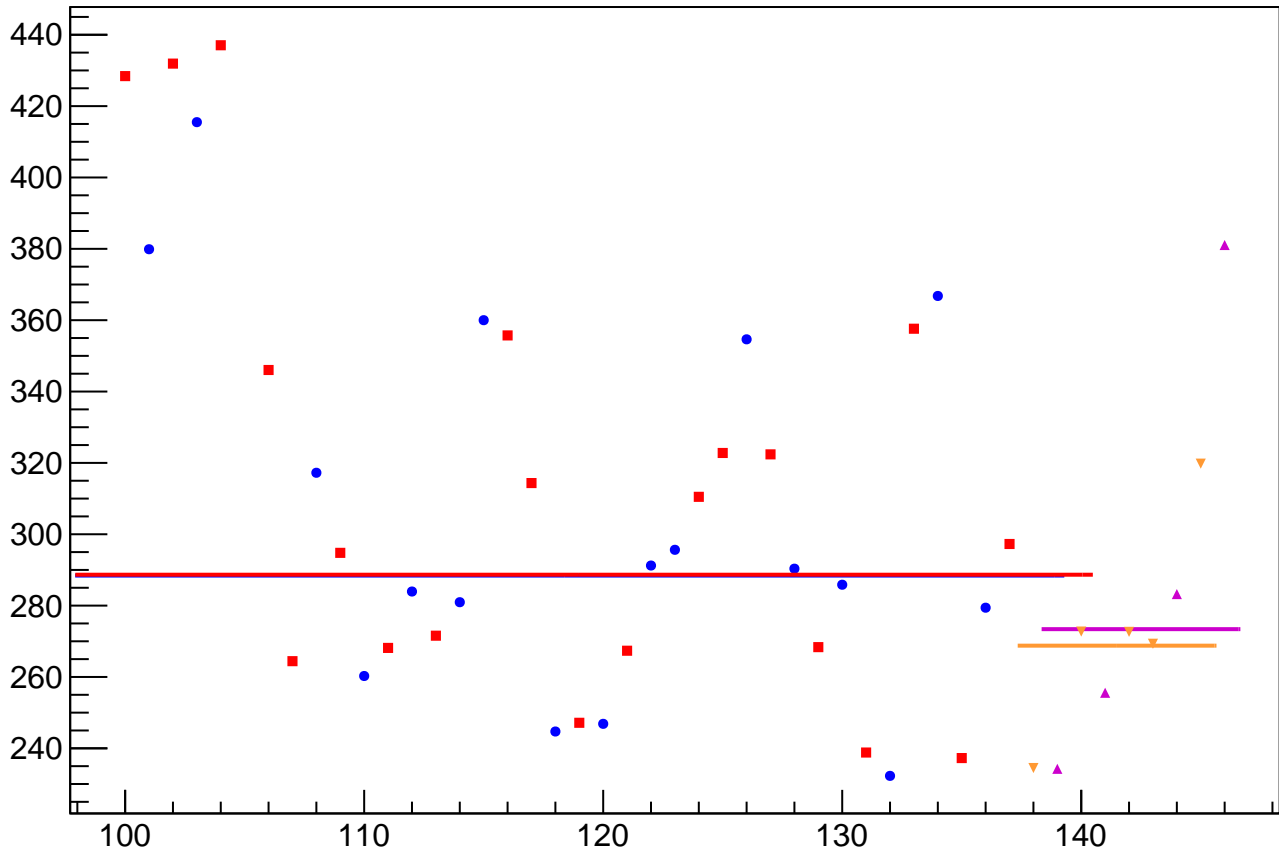
Right Out: 898.290 ± 110.578 $\chi^2/\text{NDF}: 323.5/19$

Left In: 618.820 ± 155.867 $\chi^2/\text{NDF}: 20.0/3$

154.253 ± 90.646 $\chi^2/\text{NDF}: 297.9/21$

804.724 ± 90.187 $\chi^2/\text{NDF}: 345.7/23$

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

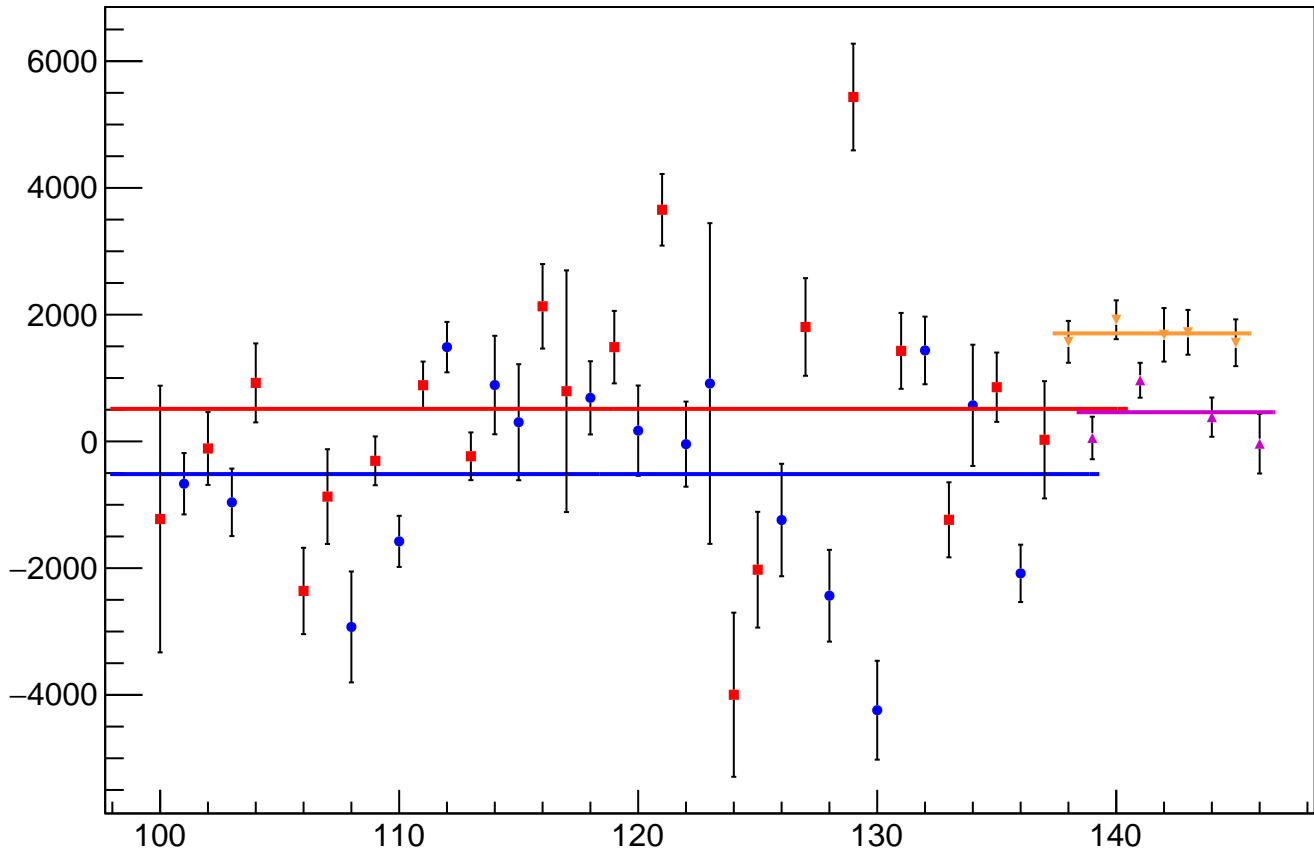
Right Out: 288.660+/-0.078 χ^2/NDF : 455989.7/19

Left In: 273.401+/-0.110 χ^2/NDF : 176802.7/3

281.211+/-0.064 χ^2/NDF : 431558.1/21

283.551+/-0.064 χ^2/NDF : 645542.1/23

asym_bpm0r05WS_mean vs Slug



Right In: -515.894 ± 147.326 $\chi^2/\text{NDF}: 108.0/16$

Left Out: 1704.384 ± 156.560 $\chi^2/\text{NDF}: 0.8/4$

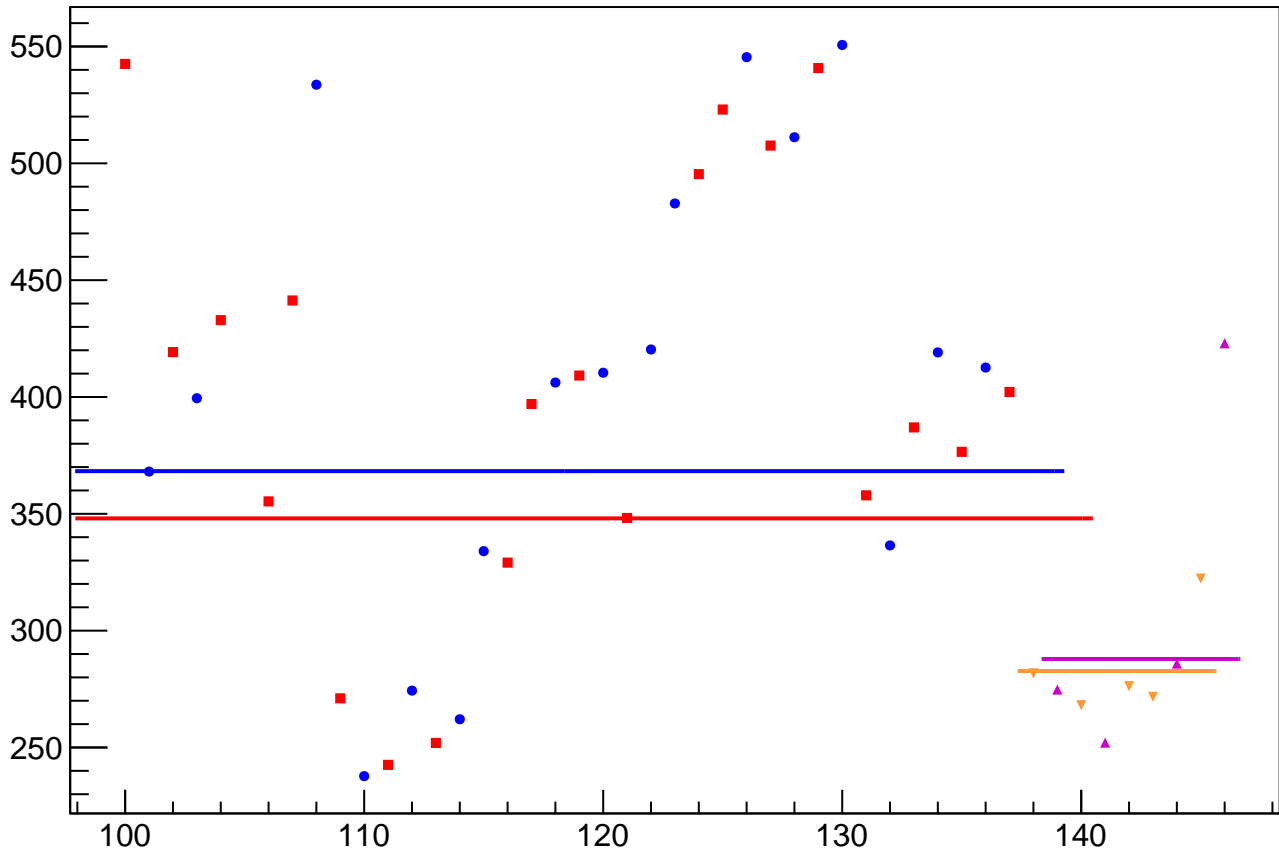
Right Out: 513.264 ± 135.456 $\chi^2/\text{NDF}: 141.3/19$

Left In: 460.422 ± 164.330 $\chi^2/\text{NDF}: 6.0/3$

526.840 ± 107.291 $\chi^2/\text{NDF}: 215.5/21$

491.886 ± 104.523 $\chi^2/\text{NDF}: 147.4/23$

asym_bpm0r05WS_rms vs Slug



Right In: 368.264 ± 0.104 $\chi^2/\text{NDF}: 770116.6/16$

Left Out: 282.732 ± 0.111 $\chi^2/\text{NDF}: 30009.2/4$

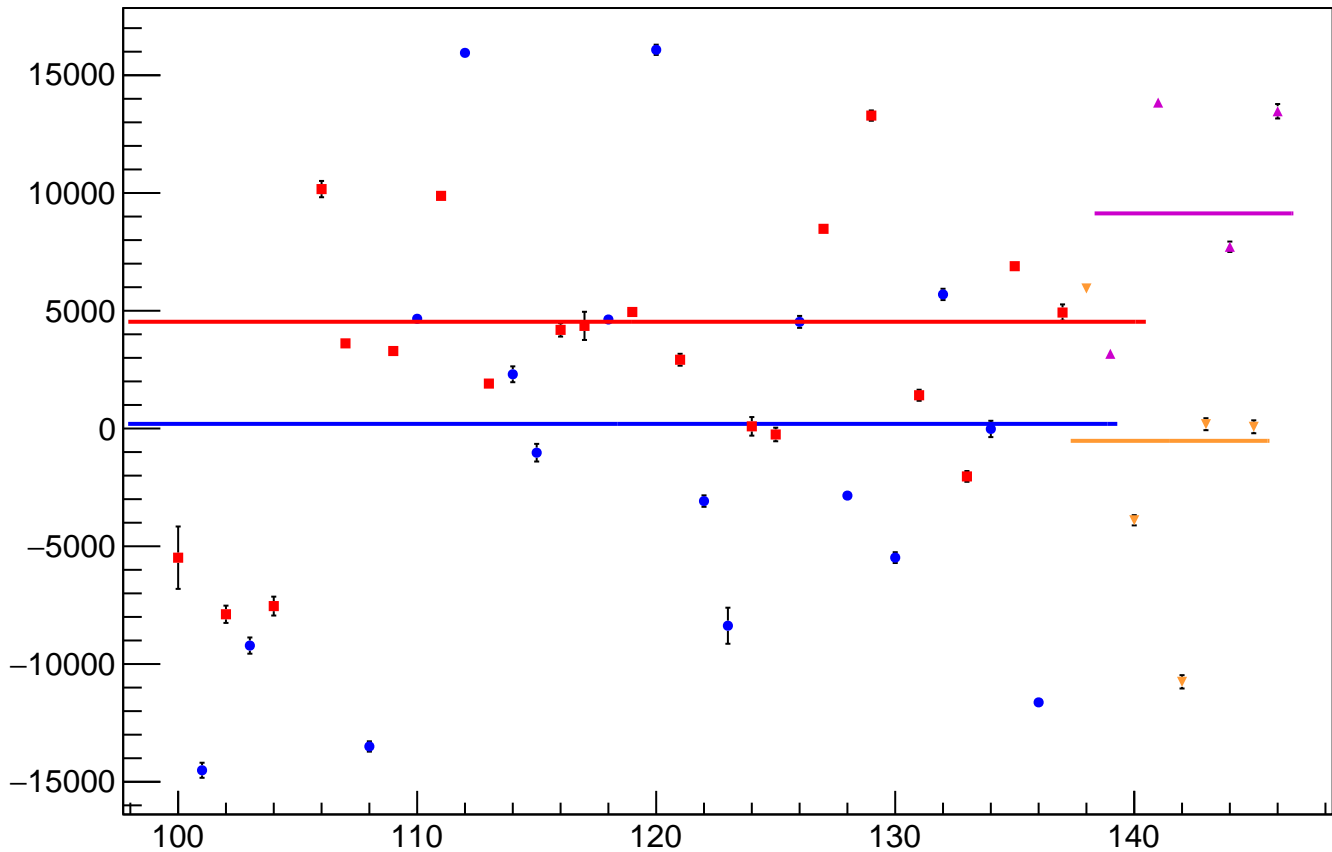
Right Out: 348.050 ± 0.096 $\chi^2/\text{NDF}: 823186.4/19$

Left In: 287.880 ± 0.116 $\chi^2/\text{NDF}: 201735.7/3$

328.095 ± 0.076 $\chi^2/\text{NDF}: 1116713.6/21$

323.707 ± 0.074 $\chi^2/\text{NDF}: 1184580.0/23$

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

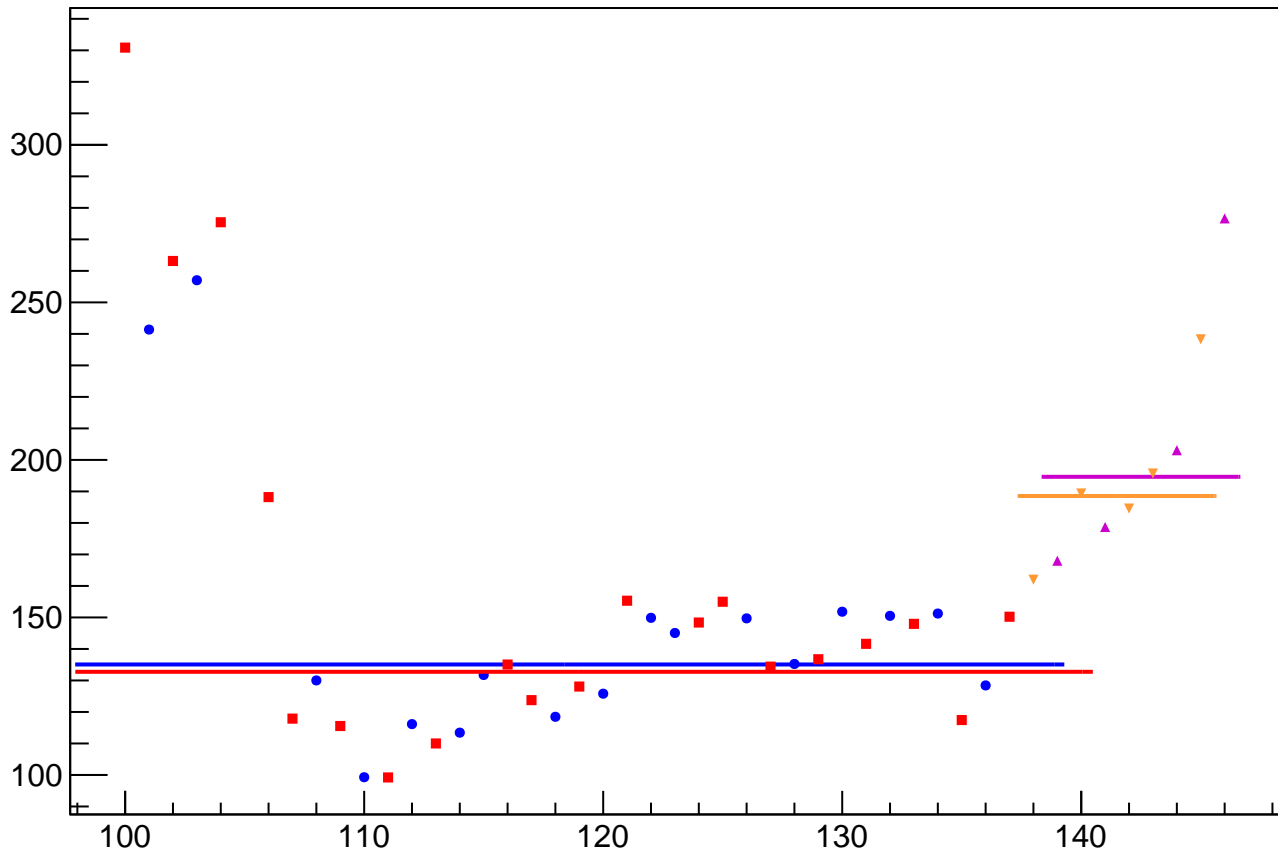
Right Out: 4532.856 ± 52.261 χ^2/NDF : 7477.3/19

Left In: 9133.540 ± 111.231 χ^2/NDF : 1654.7/3

43.620 ± 48.613 χ^2/NDF : 33415.9/21

5364.811 ± 47.300 χ^2/NDF : 10533.5/23

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

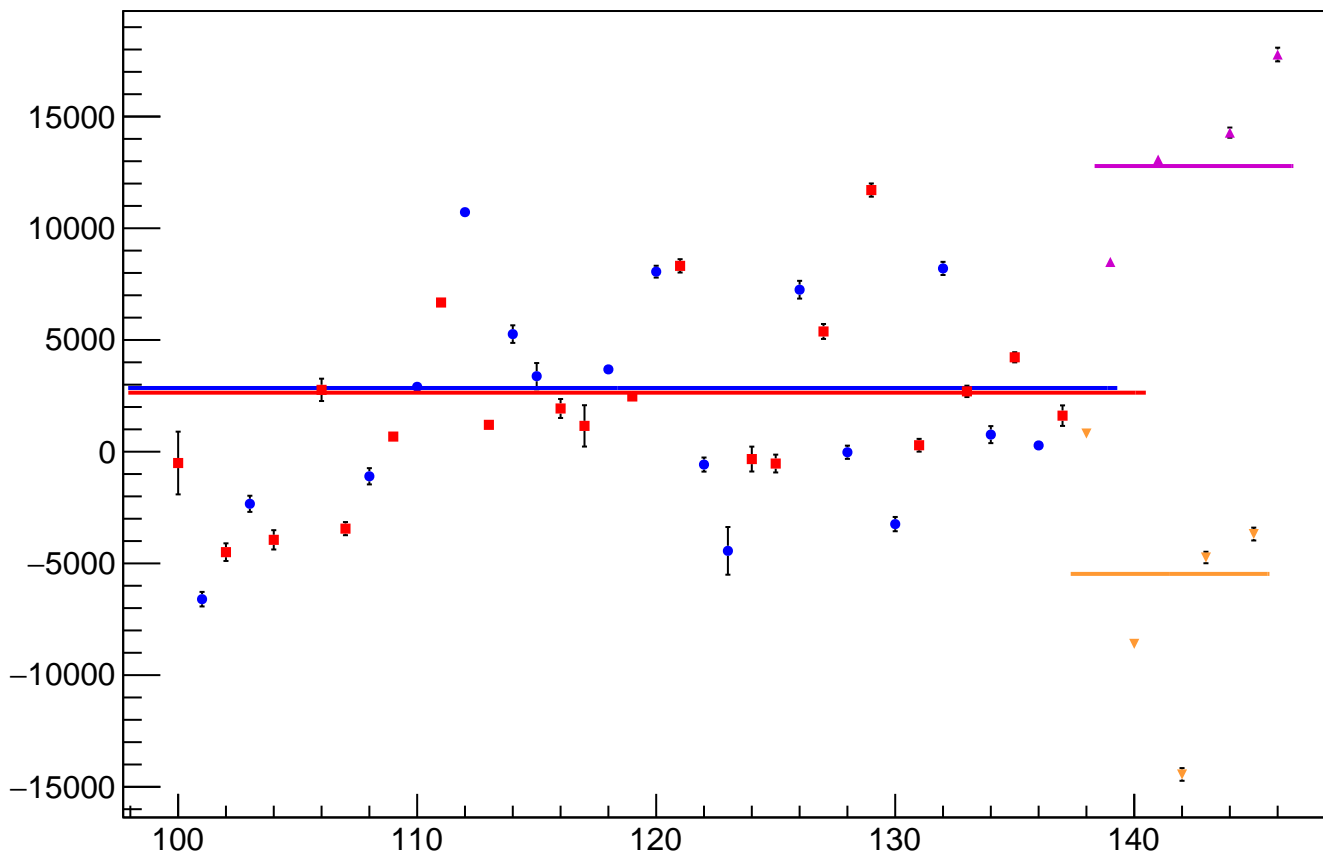
Right Out: 132.747±/0.037 χ^2/NDF : 831647.2/19

Left In: 194.641±/0.079 χ^2/NDF :192100.9/3

146.463±/0.034 χ^2/NDF : 1171411.1/21

143.940±/0.033 χ^2/NDF : 1531026.4/23

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2 /NDF: 4178.1/16

Left Out: -5469.215+/-109.726 χ^2 /NDF:2144.5/4

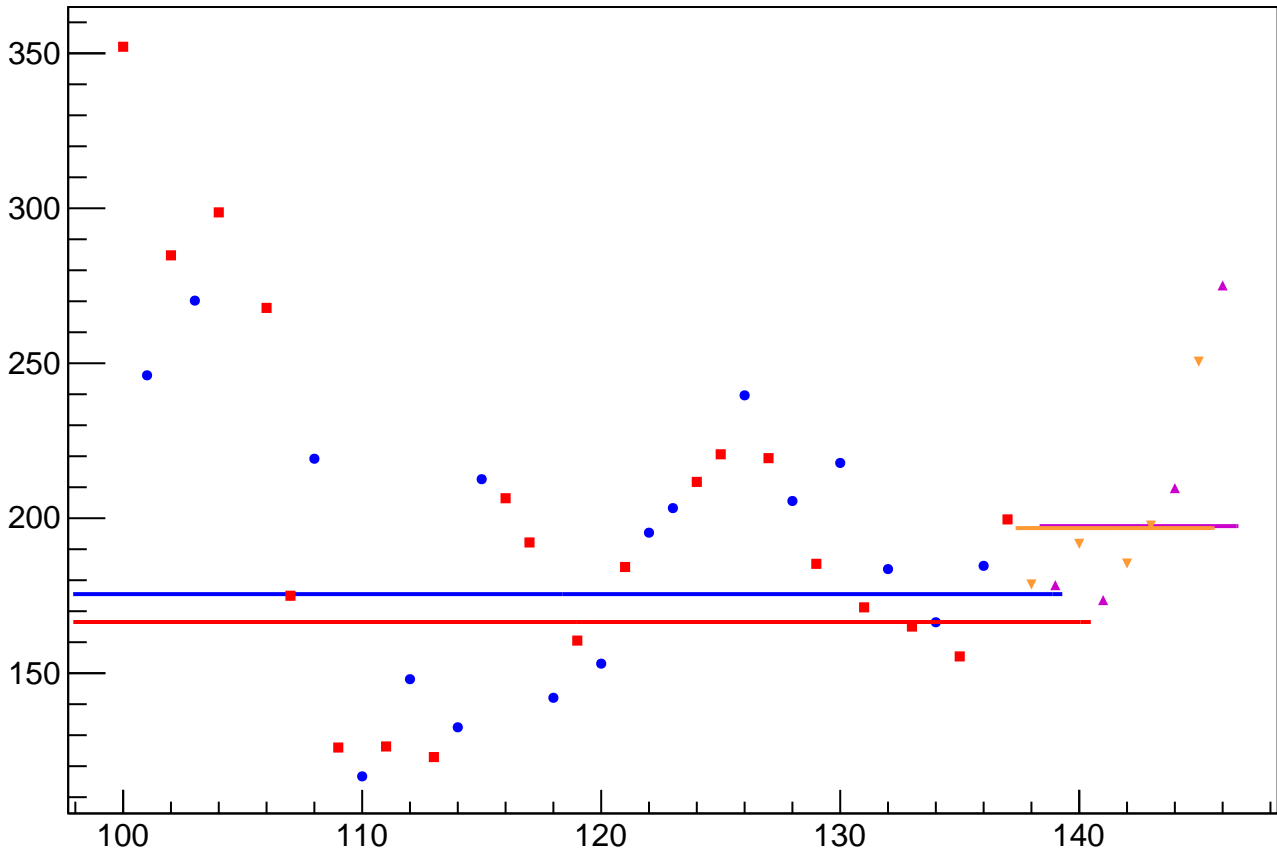
Right Out: 2641.642+/-65.566 χ^2 /NDF: 3178.3/19

Left In: 12785.010+/-112.761 χ^2 /NDF:695.6/3

407.823+/-59.463 χ^2 /NDF: 10384.3/21

5204.547+/-56.680 χ^2 /NDF: 9921.2/23

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

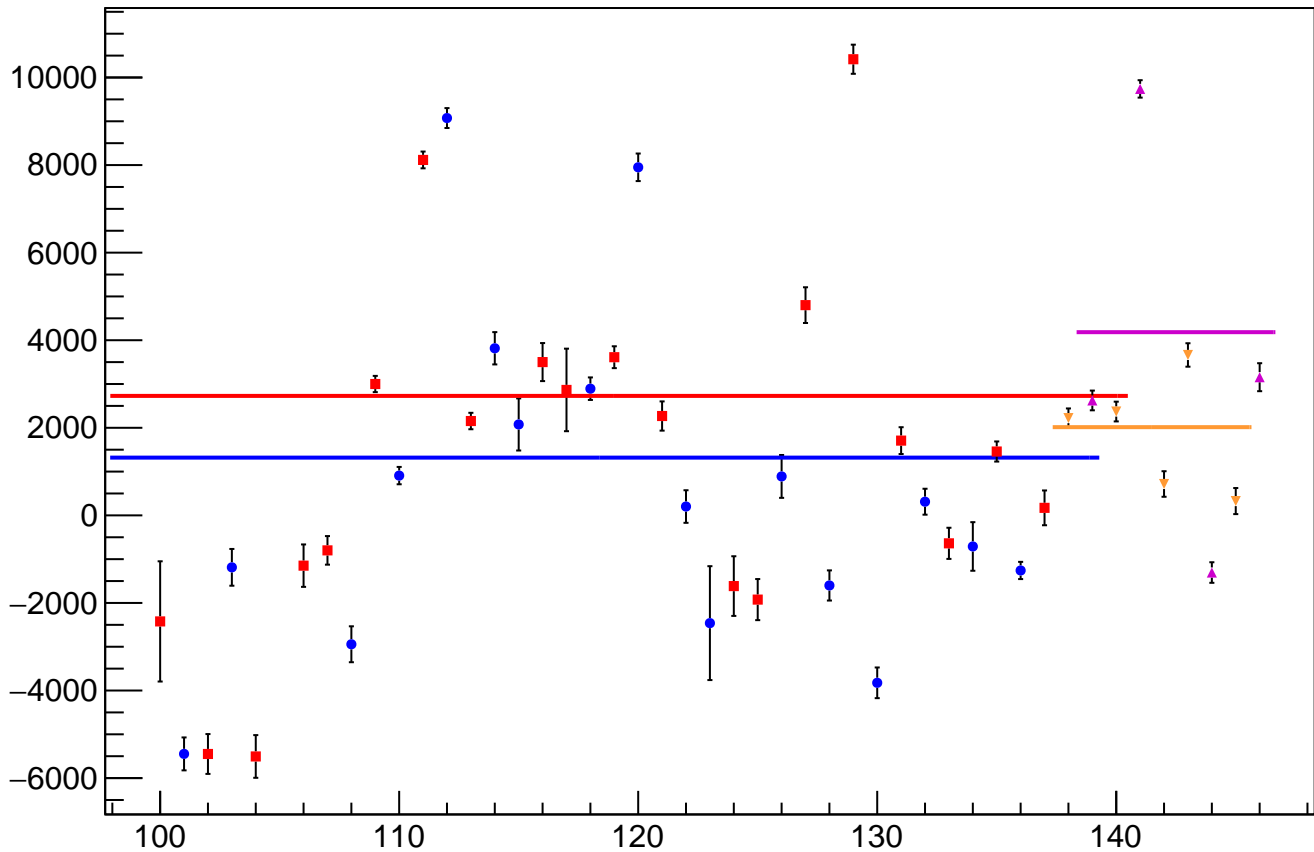
Right Out: 166.522+/-0.046 χ^2/NDF : 931079.9/19

Left In: 197.453+/-0.080 χ^2/NDF : 180672.5/3

181.772+/-0.042 χ^2/NDF : 832013.6/21

174.338+/-0.040 χ^2/NDF : 1224217.8/23

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2 /NDF: 2667.0/16

1538.037+/-63.854 χ^2 /NDF: 2785.8/21

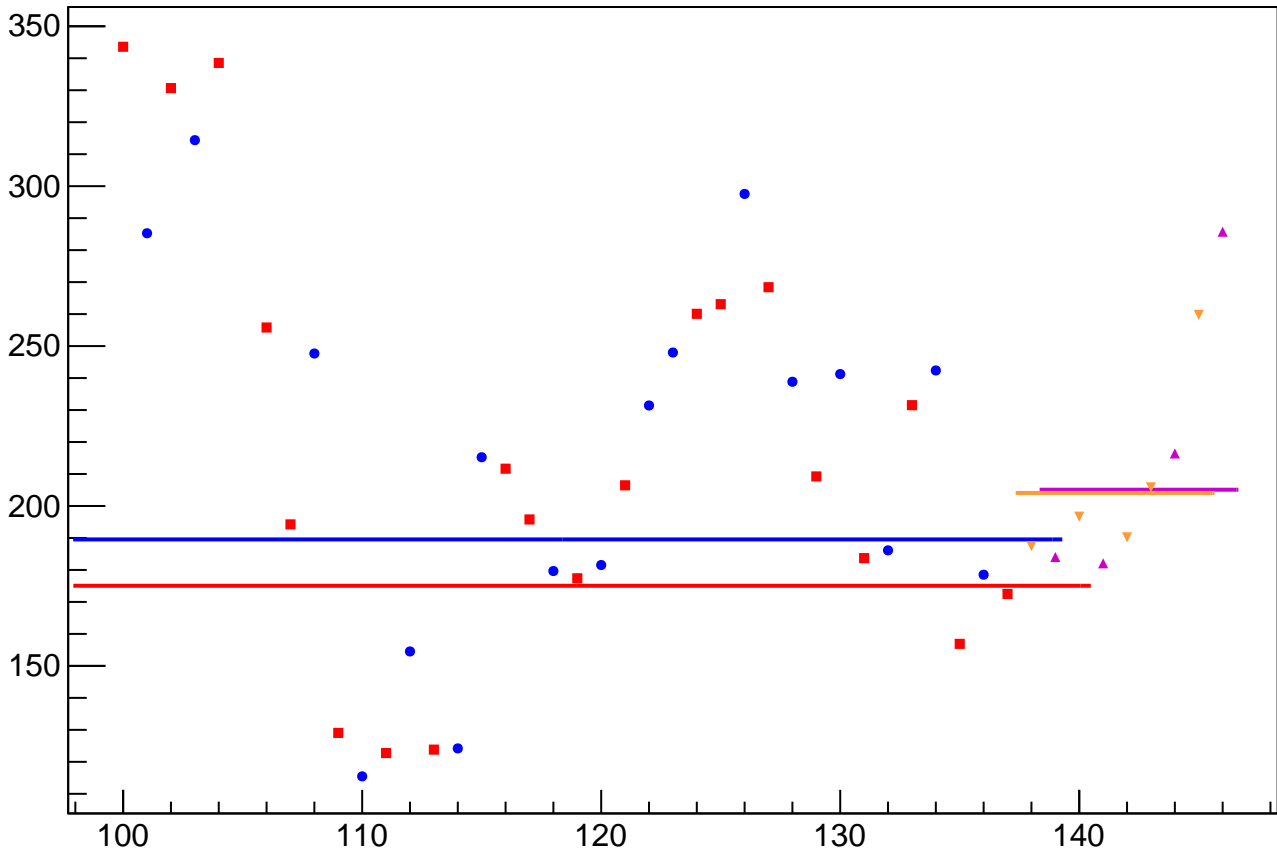
Left Out: 2014.564+/-113.790 χ^2 /NDF:93.2/4

Right Out: 2728.550+/-69.837 χ^2 /NDF: 2495.9/19

3110.085+/-59.987 χ^2 /NDF: 3993.3/23

Left In: 4183.811+/-117.156 χ^2 /NDF:1383.5/3

asym_bpm0i05WS_rms vs Slug



Right In: 189.544+/-0.055 χ^2/NDF : 980744.6/16

194.122+/-0.045 χ^2/NDF : 1091162.9/21

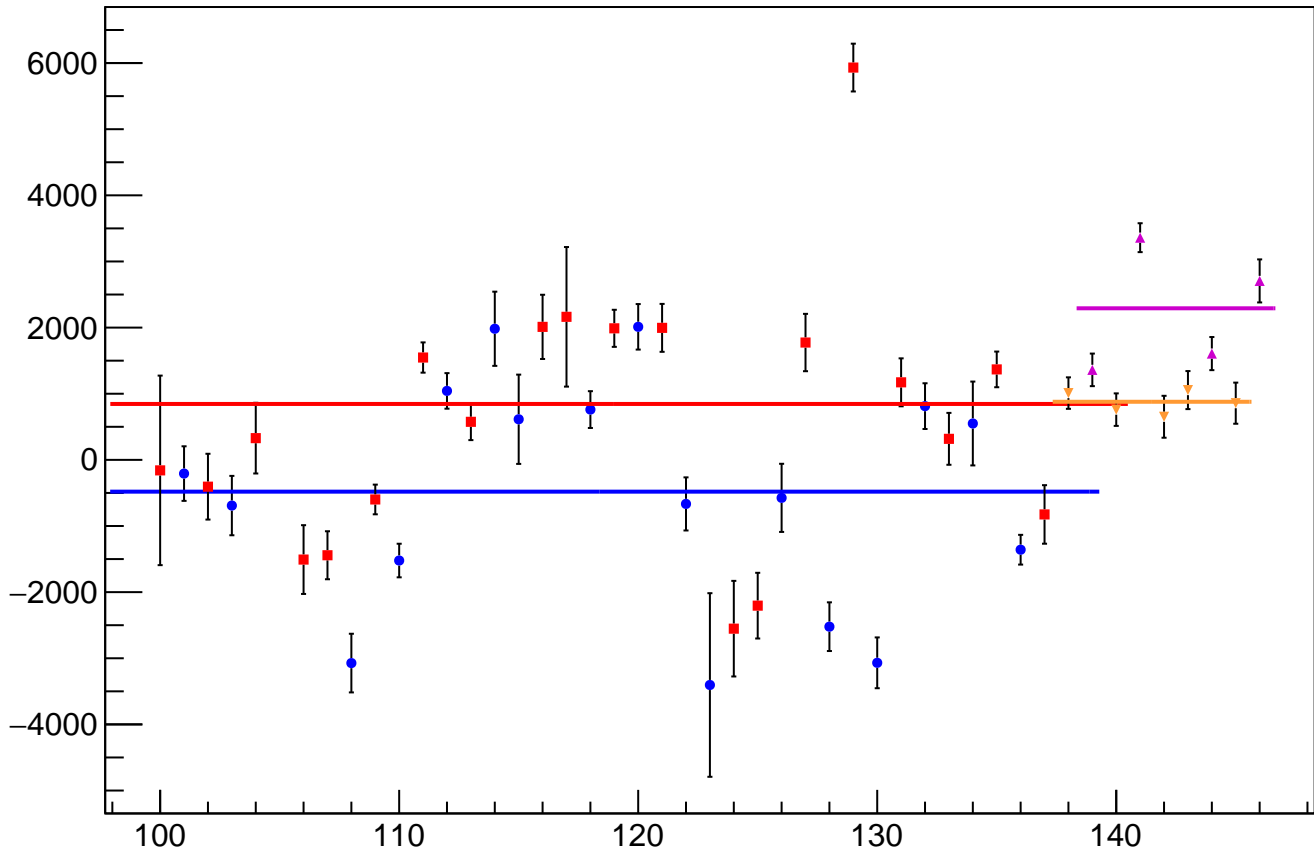
Left Out: 204.080+/-0.080 χ^2/NDF : 88061.7/4

Right Out: 175.058+/-0.049 χ^2/NDF : 1298079.7/19

182.931+/-0.042 χ^2/NDF : 1571346.5/23

Left In: 205.089+/-0.083 χ^2/NDF : 176309.3/3

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 $\chi^2/\text{NDF}: 290.7/16$

Left Out: 878.528 ± 122.546 $\chi^2/\text{NDF}: 1.4/4$

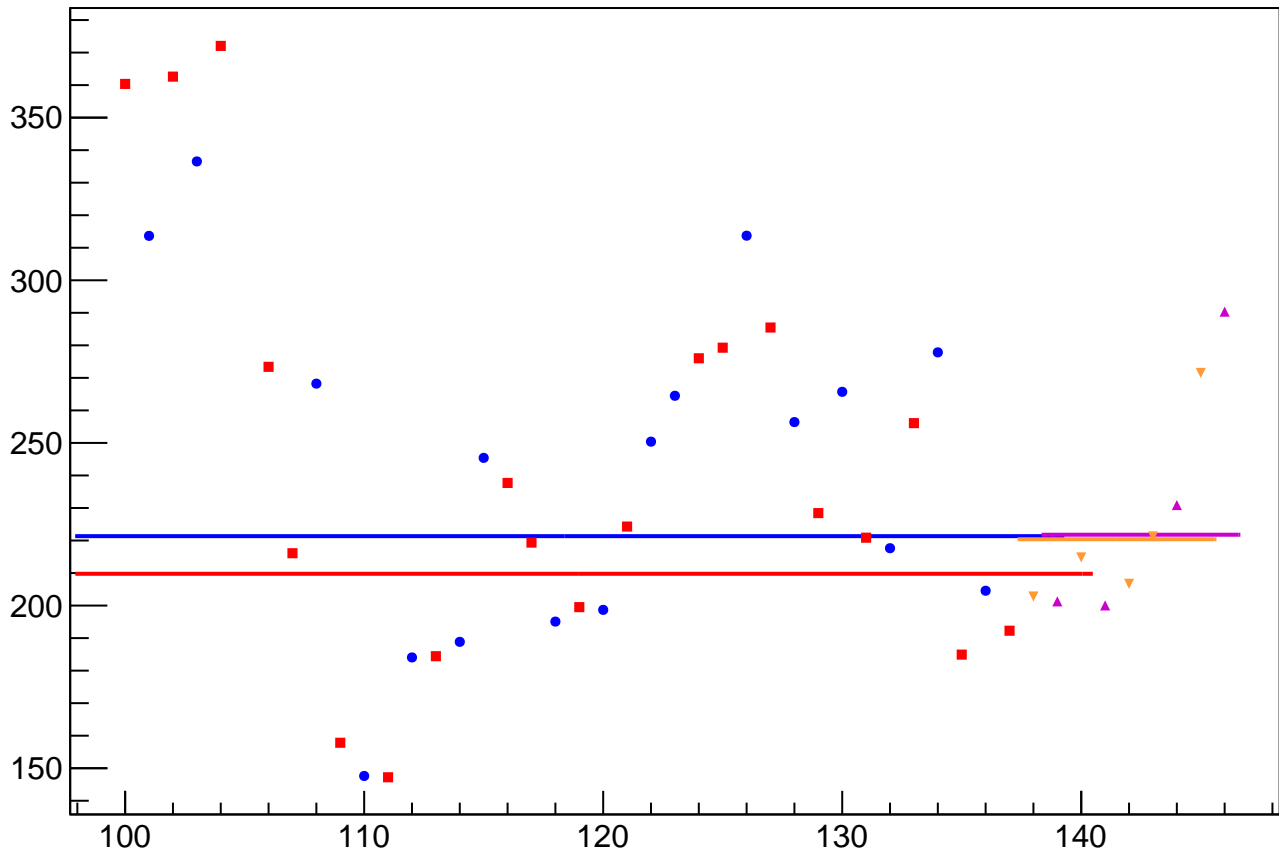
Right Out: 845.444 ± 81.995 $\chi^2/\text{NDF}: 436.9/19$

Left In: 2291.826 ± 126.148 $\chi^2/\text{NDF}: 47.3/3$

-13.746 ± 71.821 $\chi^2/\text{NDF}: 372.9/21$

1275.027 ± 68.748 $\chi^2/\text{NDF}: 576.6/23$

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

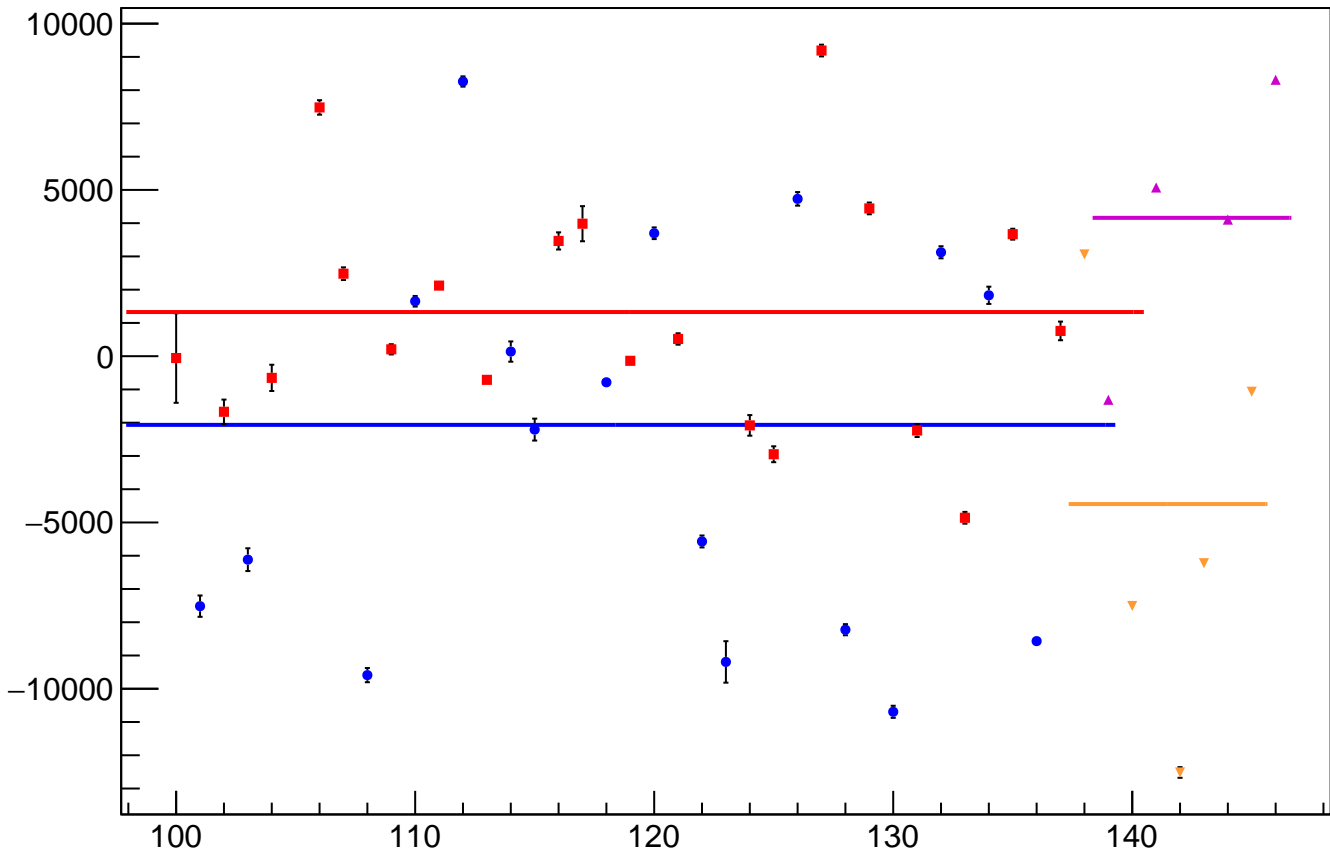
221.014 ± 0.051 χ^2/NDF : 715569.2/21

Right Out: 209.775 ± 0.058 χ^2/NDF : 884083.7/19

213.340 ± 0.049 χ^2/NDF : 1021898.3/23

Left In: 221.780 ± 0.089 χ^2/NDF : 125080.9/3

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -4446.304 ± 61.070 $\chi^2/\text{NDF}: 7225.2/4$

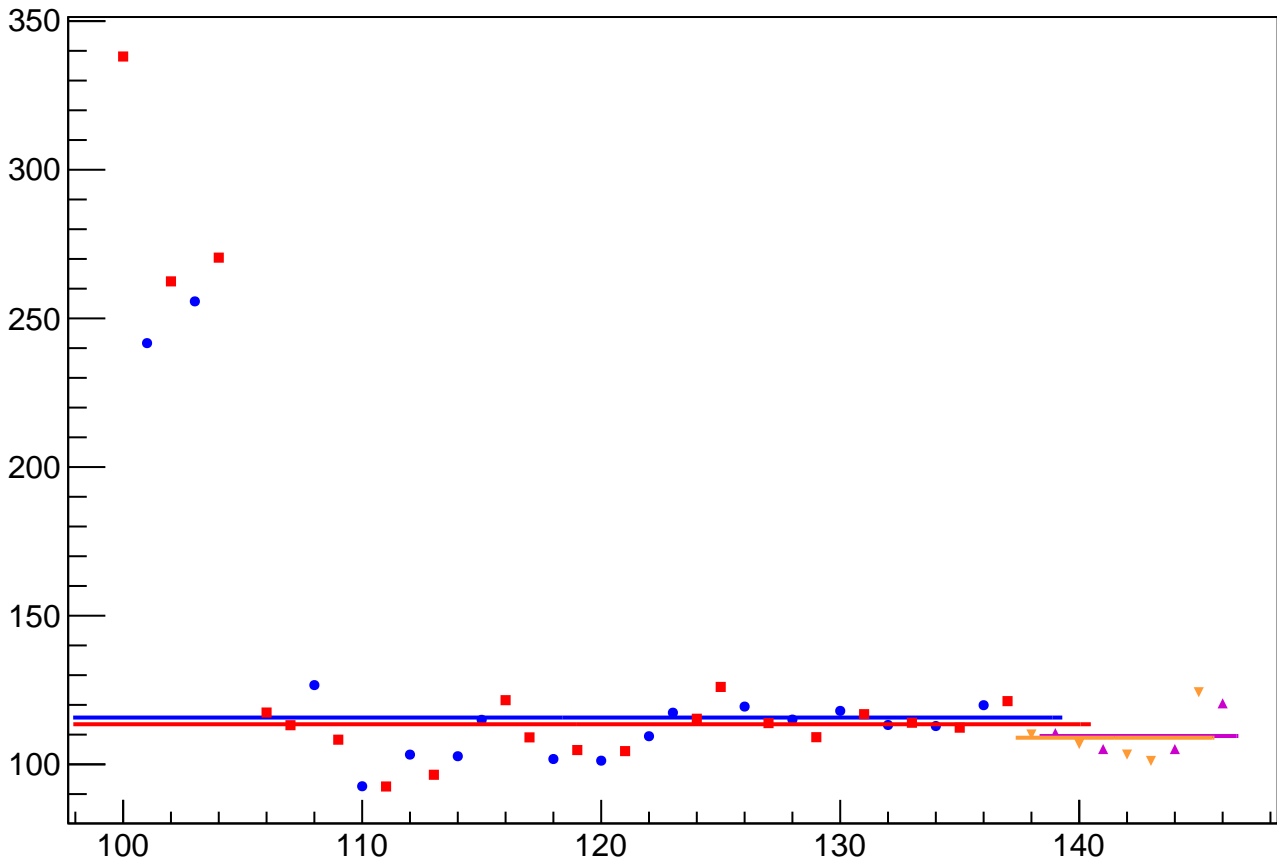
Right Out: 1327.819 ± 44.838 $\chi^2/\text{NDF}: 5919.9/19$

Left In: 4160.718 ± 62.255 $\chi^2/\text{NDF}: 2603.6/3$

-2958.494 ± 37.406 $\chi^2/\text{NDF}: 24708.3/21$

2295.416 ± 36.384 $\chi^2/\text{NDF}: 9886.9/23$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 \pm 0.033 χ^2 /NDF: 744017.7/16

113.196 \pm 0.026 χ^2 /NDF: 792176.0/21

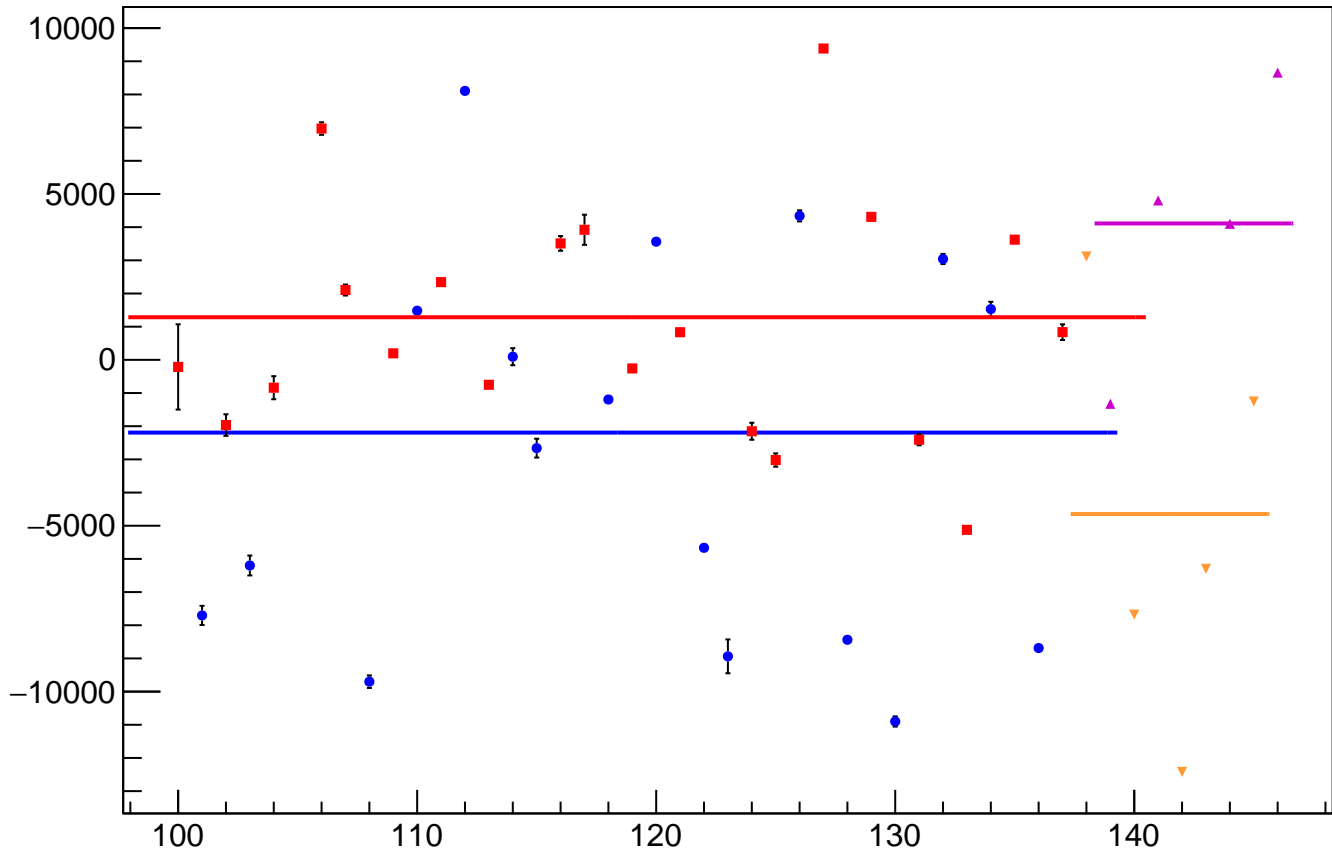
Left Out: 108.958 \pm 0.043 χ^2 /NDF:32745.3/4

Right Out: 113.487 \pm 0.032 χ^2 /NDF: 796781.7/19

112.136 \pm 0.026 χ^2 /NDF: 821207.9/23

Left In: 109.533 \pm 0.044 χ^2 /NDF:19112.9/3

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327 ± 39.944 $\chi^2/\text{NDF}: 22813.5/16$

Left Out: -4647.081 ± 56.279 $\chi^2/\text{NDF}: 8575.0/4$

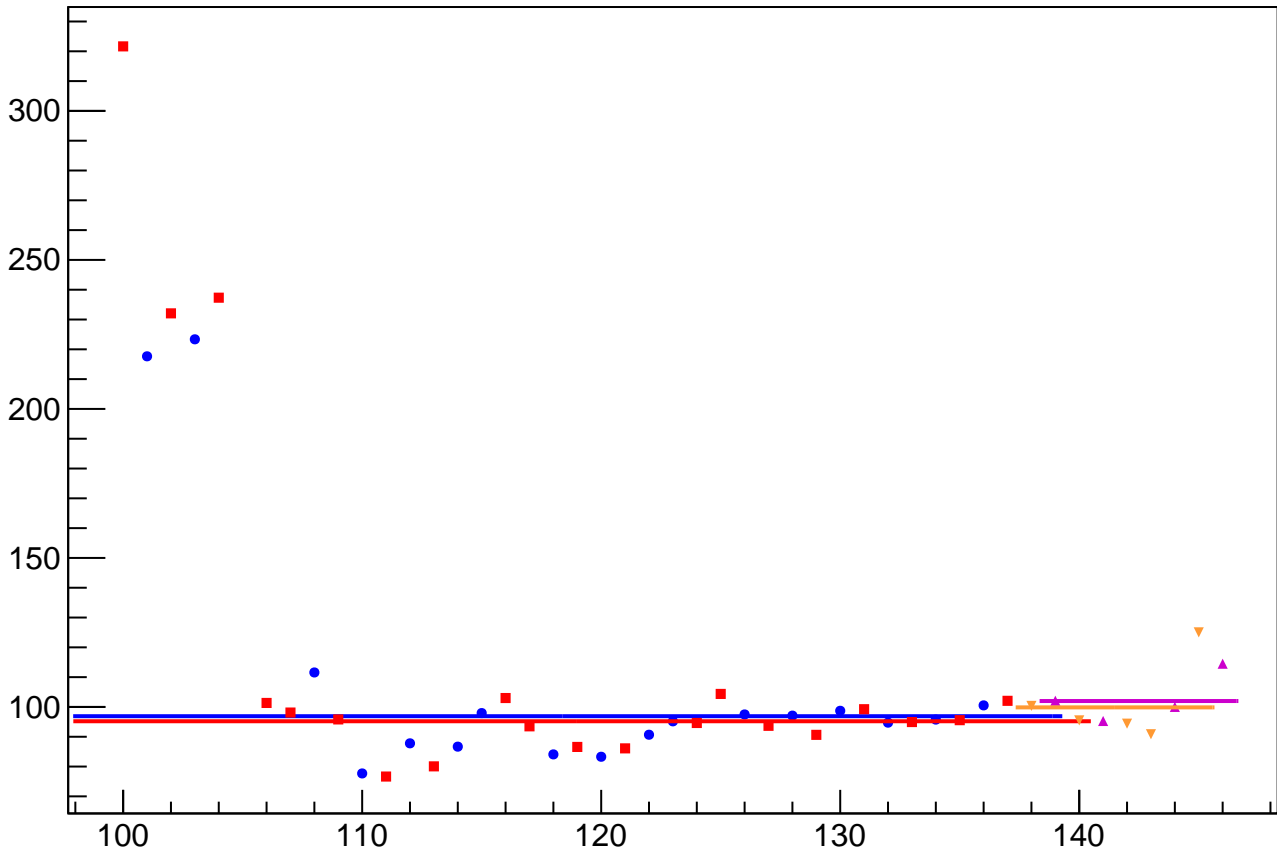
Right Out: 1284.692 ± 37.915 $\chi^2/\text{NDF}: 8584.4/19$

Left In: 4111.450 ± 58.080 $\chi^2/\text{NDF}: 3143.8/3$

-3014.649 ± 32.573 $\chi^2/\text{NDF}: 32653.7/21$

2129.386 ± 31.749 $\chi^2/\text{NDF}: 13389.2/23$

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

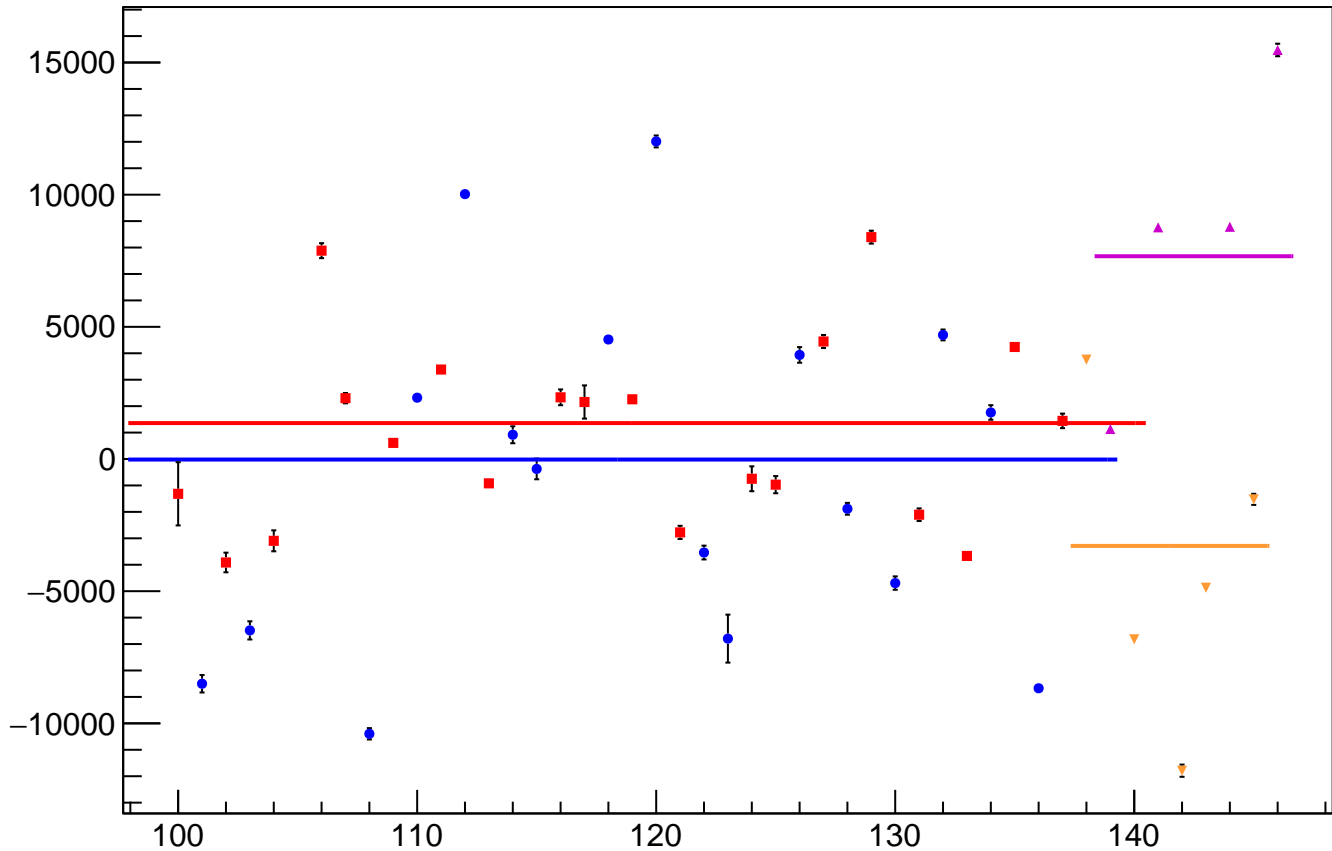
Right Out: 95.201+/-0.027 χ^2 /NDF: 859838.2/19

Left In: 101.988+/-0.041 χ^2 /NDF:27839.7/3

97.886+/-0.023 χ^2 /NDF: 898597.7/21

97.229+/-0.022 χ^2 /NDF: 906824.7/23

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 $\chi^2/\text{NDF}: 16361.0/16$

Left Out: -3287.005 ± 83.720 $\chi^2/\text{NDF}: 3895.2/4$

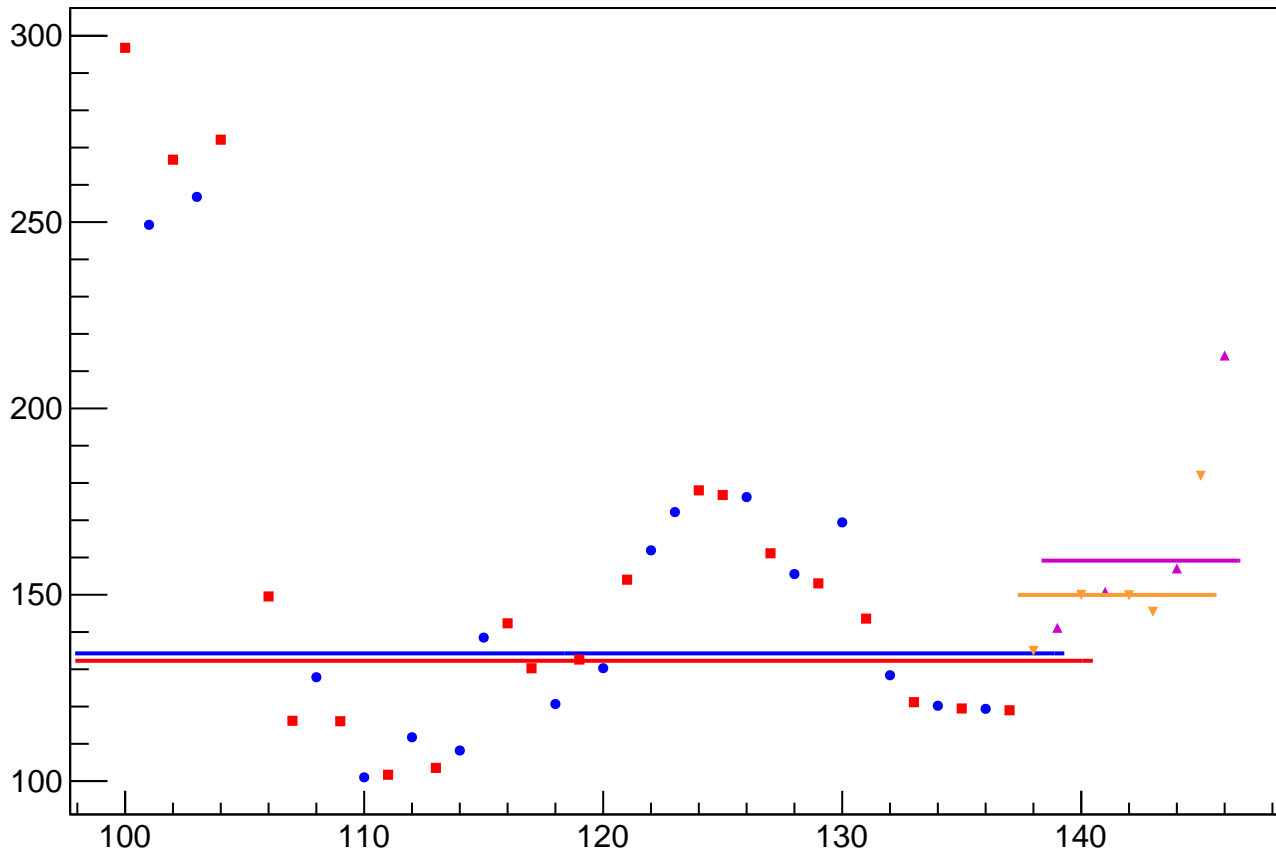
Right Out: 1359.001 ± 52.186 $\chi^2/\text{NDF}: 3838.8/19$

Left In: 7671.386 ± 90.714 $\chi^2/\text{NDF}: 2574.6/3$

-995.977 ± 45.759 $\chi^2/\text{NDF}: 21324.1/21$

2928.614 ± 45.235 $\chi^2/\text{NDF}: 10051.5/23$

asym_bpm1i06WS_rms vs Slug



Right In: 134.268+/-0.039 χ^2/NDF : 788647.0/16

Left Out: 149.958+/-0.059 χ^2/NDF : 65723.8/4

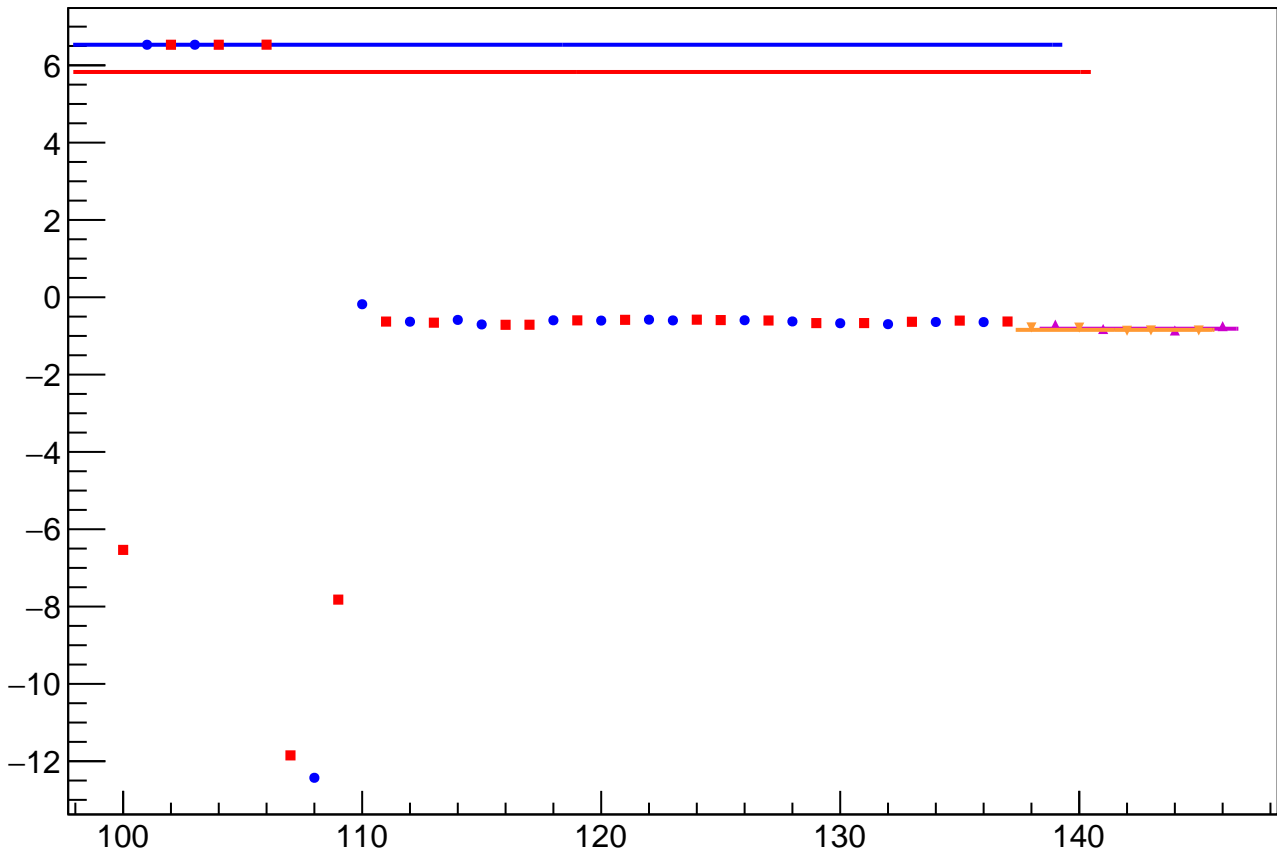
Right Out: 132.288+/-0.037 χ^2/NDF : 869913.4/19

Left In: 159.162+/-0.064 χ^2/NDF : 133980.6/3

138.955+/-0.032 χ^2/NDF : 903634.8/21

138.970+/-0.032 χ^2/NDF : 1135773.0/23

yield_cav4bX_mean vs Slug



Right In: 6.532+/-0.000 χ^2/NDF : 127906780672.7/16

Left Out: -0.843+/-0.000 χ^2/NDF : 3112970.0/4

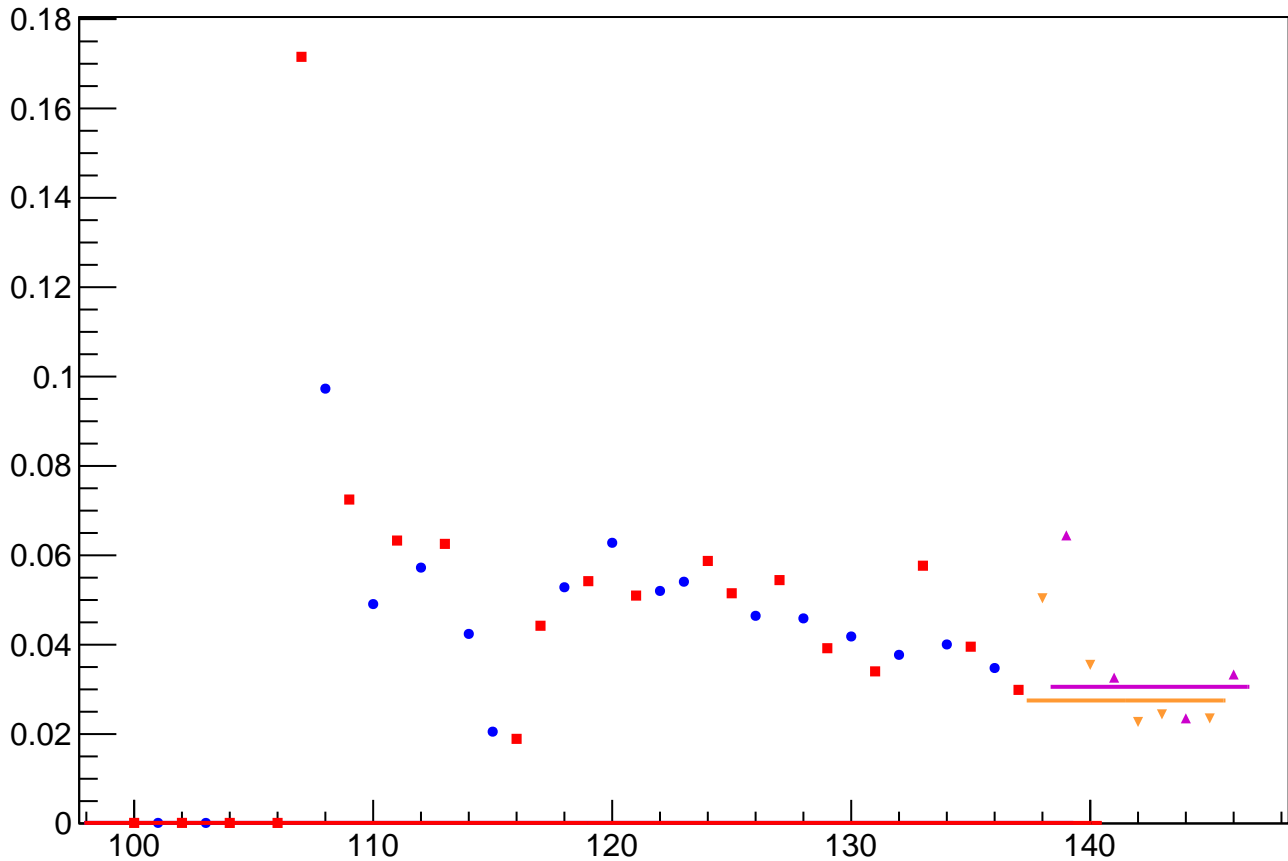
Right Out: 5.827+/-0.000 χ^2/NDF : 755949520765363.8/19

Left In: -0.813+/-0.000 χ^2/NDF : 6745792.4/3

6.531+/-0.000 χ^2/NDF : 286882242550.4/21

5.827+/-0.000 χ^2/NDF : 756055908843983.5/23

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

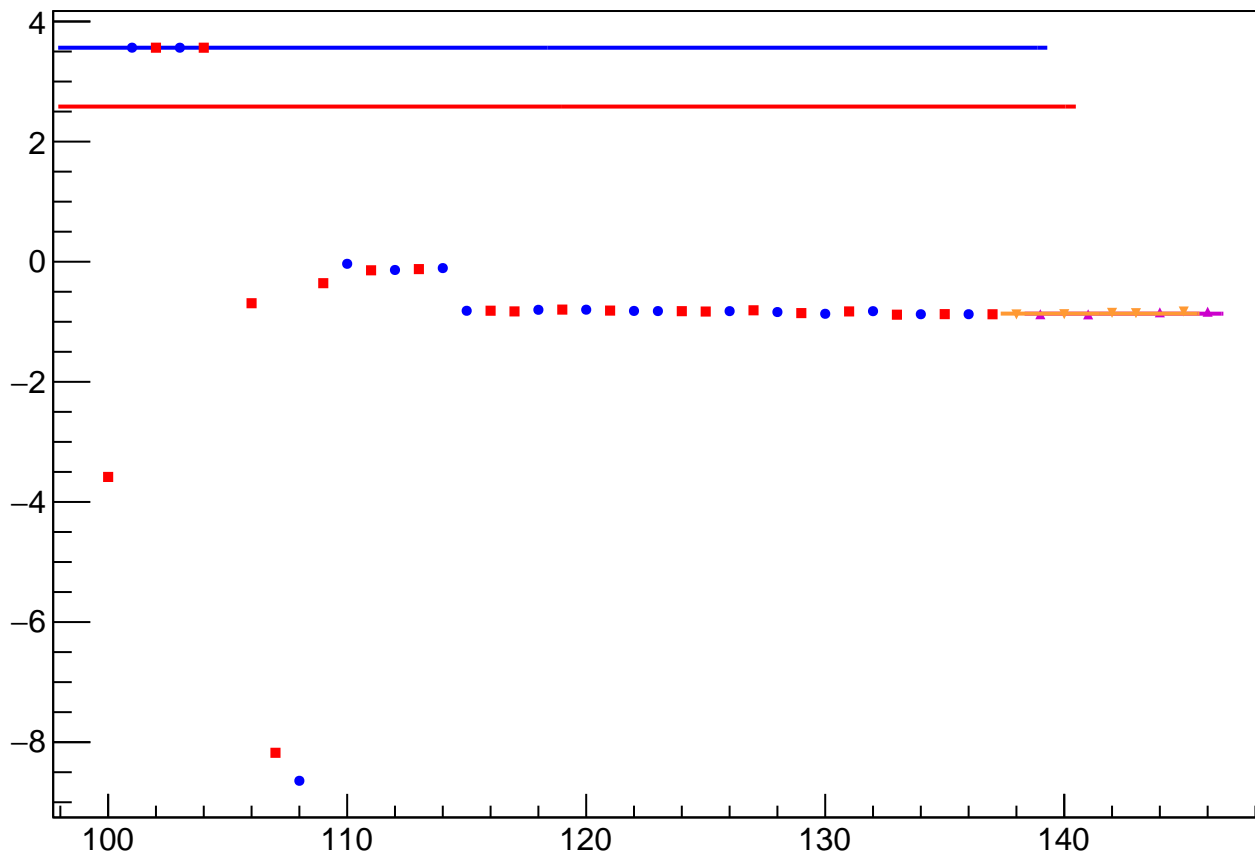
Right Out: 0.000+/-0.000 χ^2/NDF : 9453181.1/19

Left In: 0.031+/-0.000 χ^2/NDF : 488645.8/3

0.000+/-0.000 χ^2/NDF : 13791220.1/21

0.000+/-0.000 χ^2/NDF : 14416598.7/23

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

3.563+/-0.000 χ^2/NDF : 1149899121613.5/21

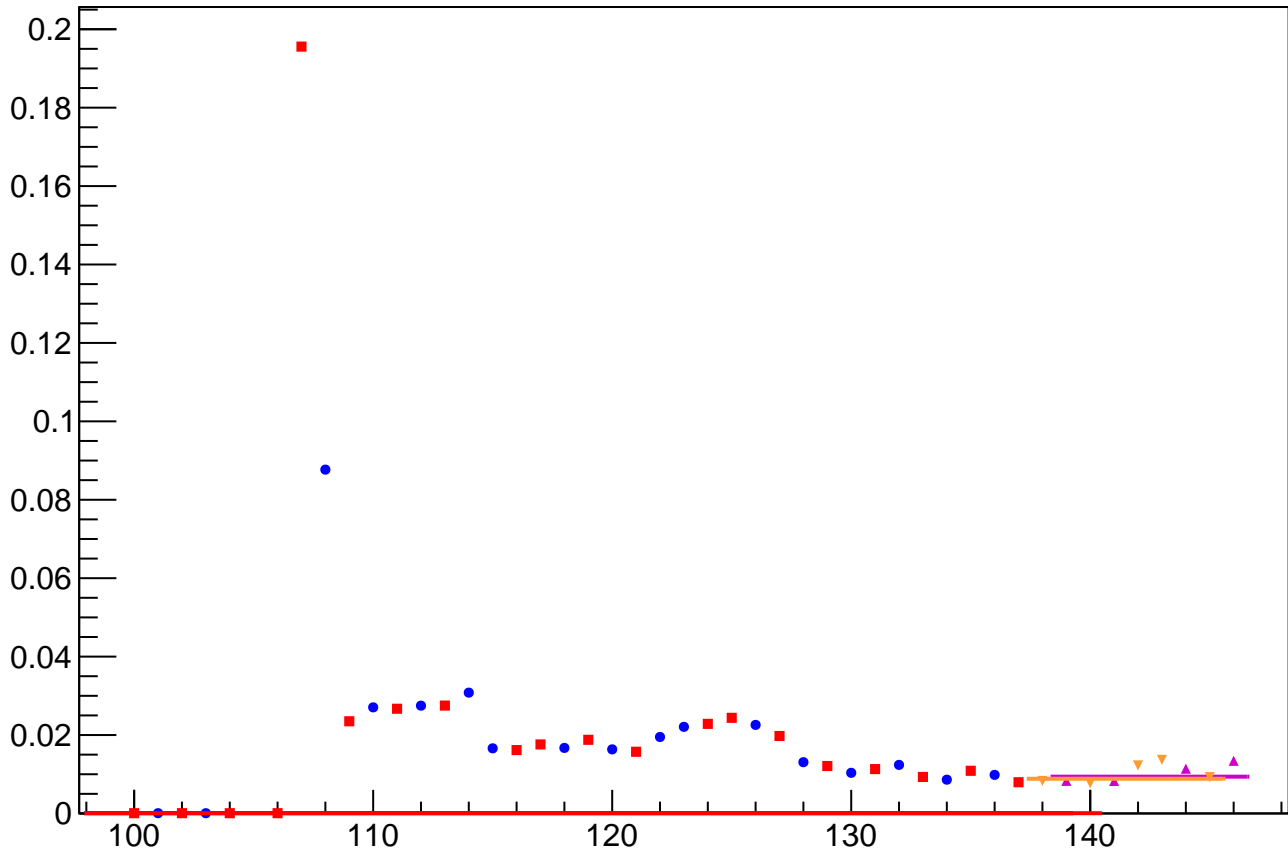
Left Out: -0.864+/-0.000 χ^2/NDF : 11512048.4/4

Right Out: 2.583+/-0.000 χ^2/NDF : 1253506756008351.0/19

2.583+/-0.000 χ^2/NDF : 1253855400951458.2/21

Left In: -0.865+/-0.000 χ^2/NDF : 8372216.6/3

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 9848258.0/16

0.000+/-0.000 χ^2 /NDF: 15257049.5/21

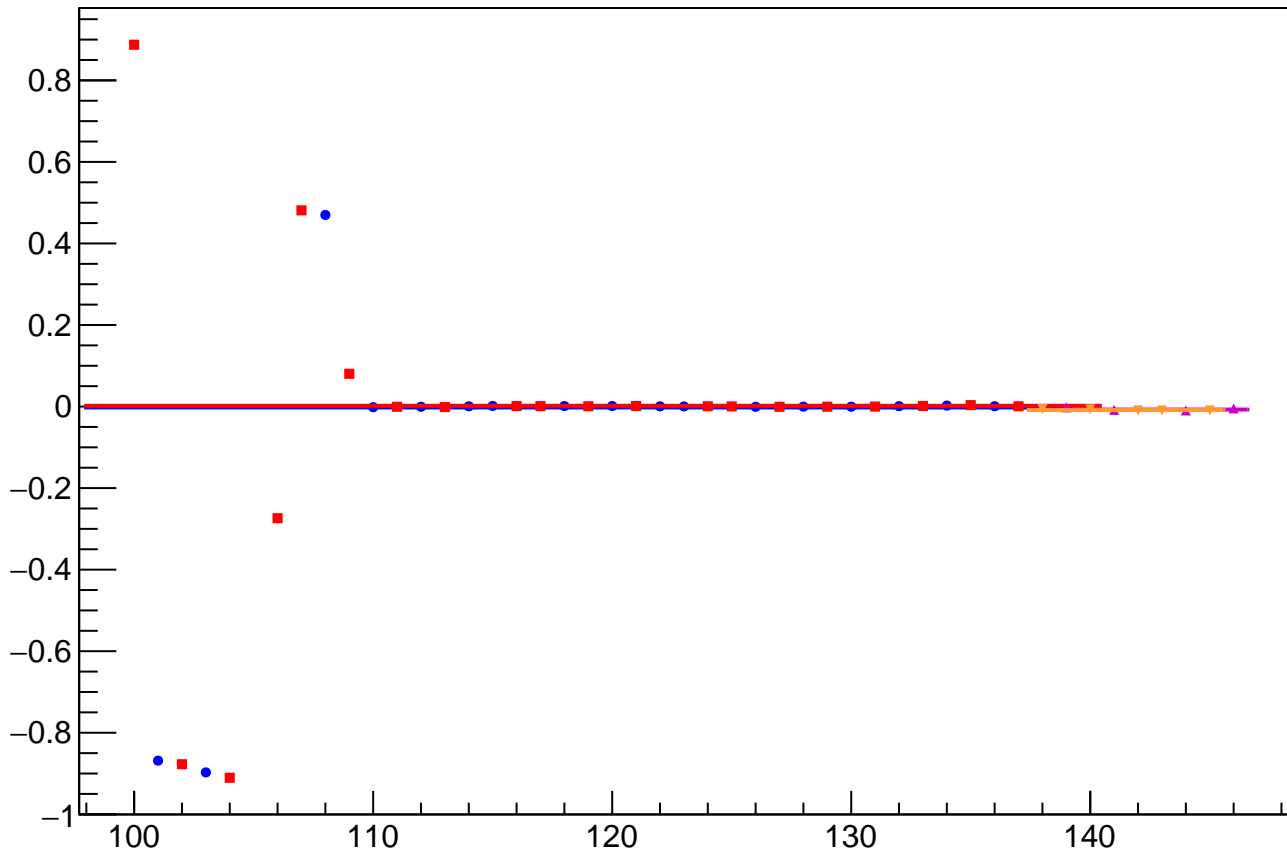
Left Out: 0.009+/-0.000 χ^2 /NDF:190887.3/4

Right Out: 0.000+/-0.000 χ^2 /NDF: 9955781.5/19

0.000+/-0.000 χ^2 /NDF: 15245232.1/23

Left In: 0.009+/-0.000 χ^2 /NDF:201844.5/3

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

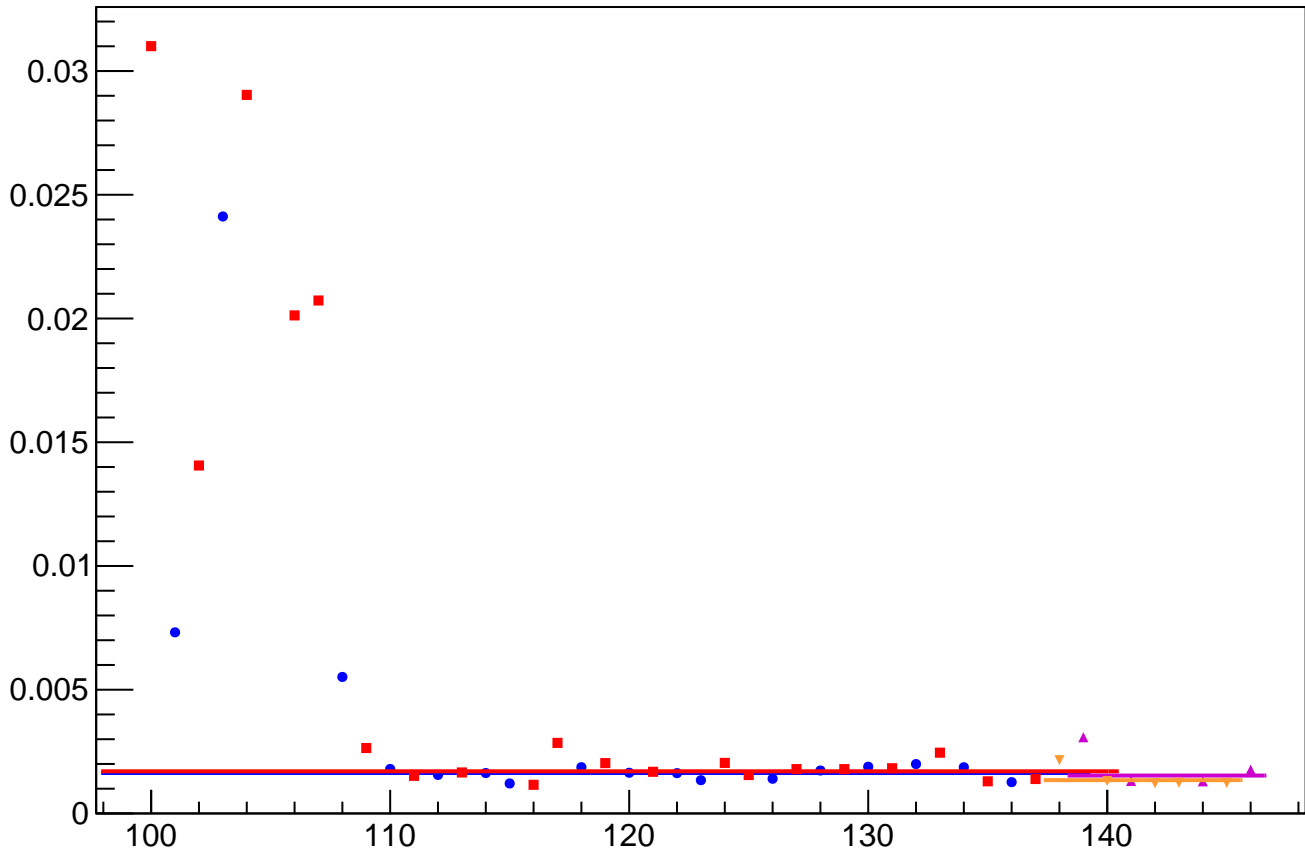
-0.005+/-0.000 χ^2 /NDF: 9826357604.4/21

Right Out: 0.002+/-0.000 χ^2 /NDF: 3041335141.0/19

-0.002+/-0.000 χ^2 /NDF: 3098572967.9/23

Left In: -0.007+/-0.000 χ^2 /NDF:5805836.4/3

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1919127.9/16

Left Out: 0.001+/-0.000 χ^2/NDF : 189626.9/4

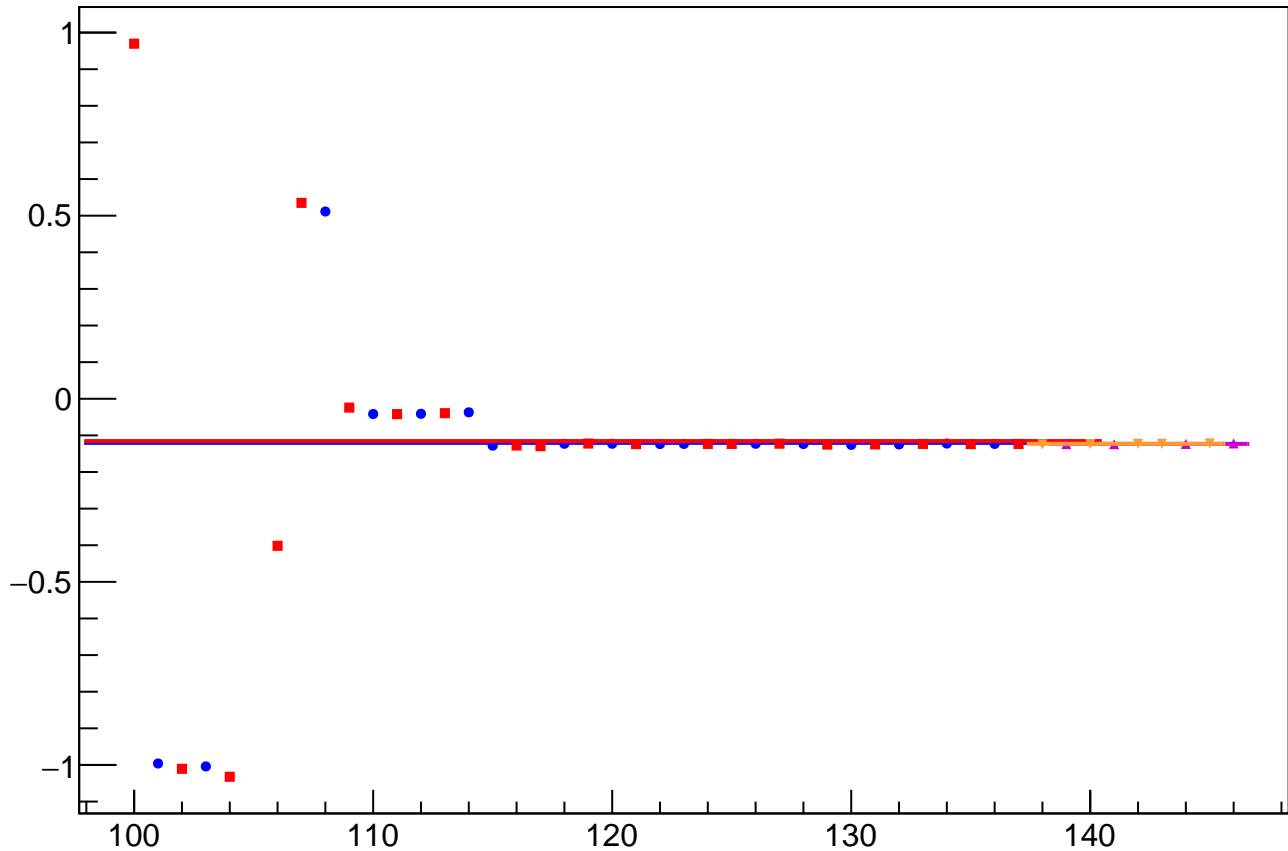
Right Out: 0.002+/-0.000 χ^2/NDF : 3038397.4/19

Left In: 0.002+/-0.000 χ^2/NDF : 436721.7/3

0.002+/-0.000 χ^2/NDF : 2230747.3/21

0.002+/-0.000 χ^2/NDF : 3510636.0/23

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

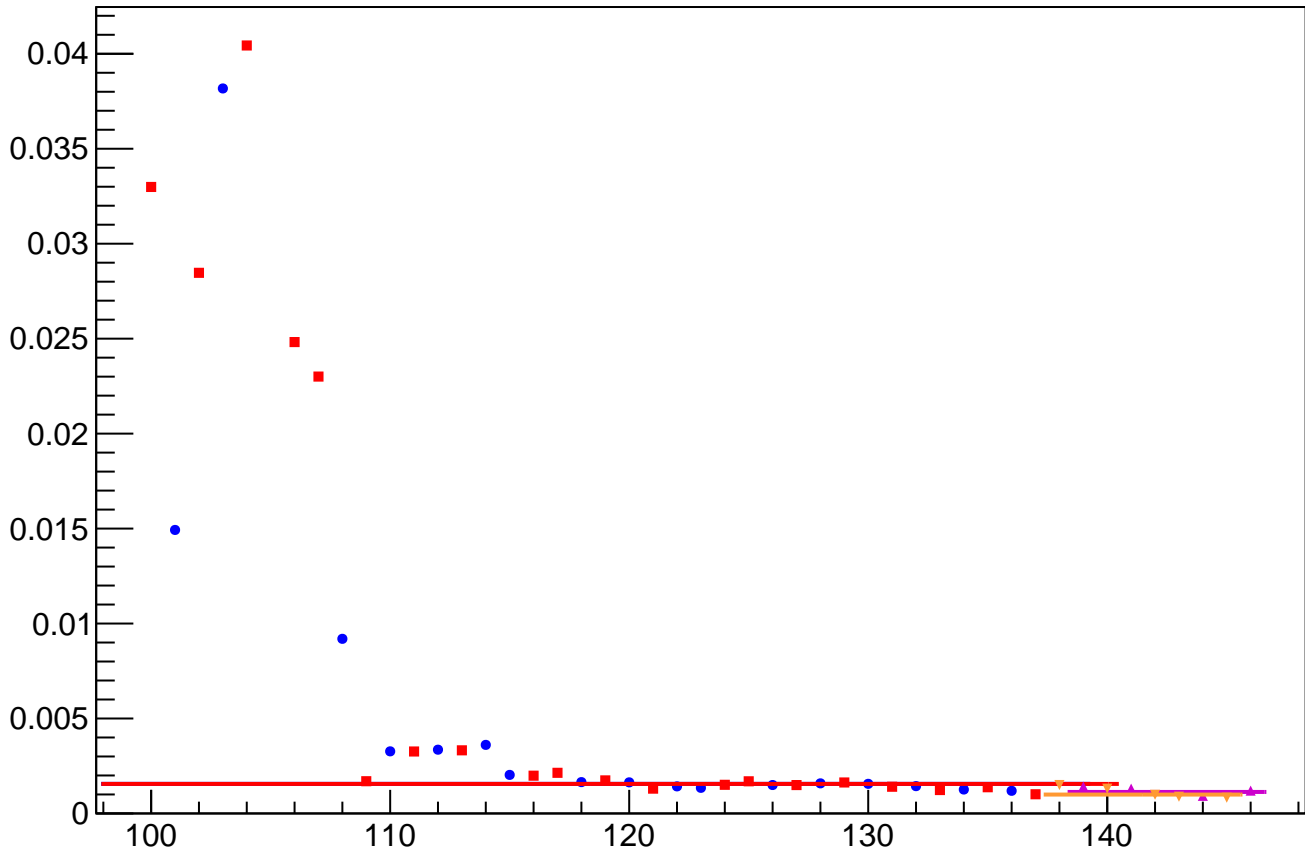
-0.122+/-0.000 χ^2 /NDF: 3941943165.2/21

Right Out: -0.115+/-0.000 χ^2 /NDF: 2458720596.9/19

-0.120+/-0.000 χ^2 /NDF: 2519845541.9/23

Left In: -0.123+/-0.000 χ^2 /NDF:1349572.5/3

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2903607.4/16

Left Out: 0.001+/-0.000 χ^2/NDF : 297733.6/4

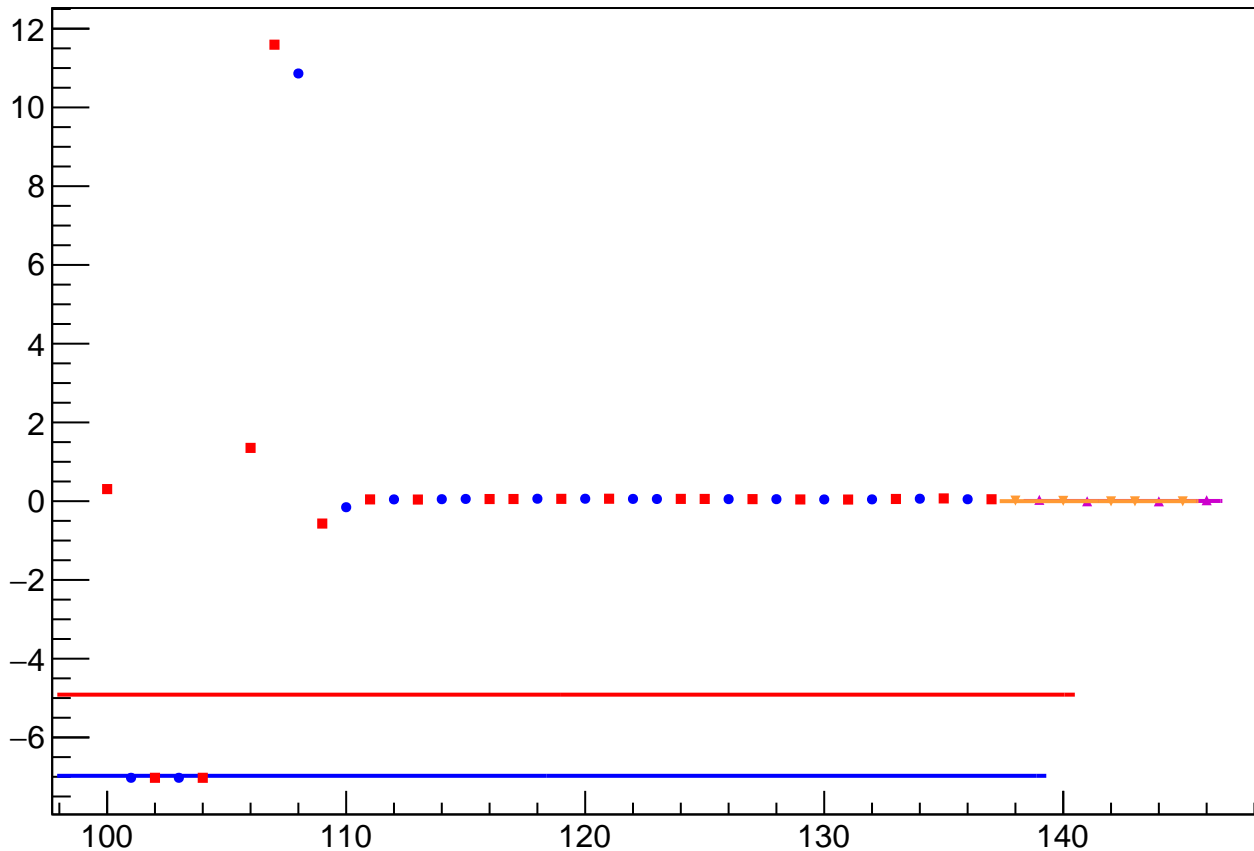
Right Out: 0.002+/-0.000 χ^2/NDF : 3544377.2/19

Left In: 0.001+/-0.000 χ^2/NDF : 158584.6/3

0.001+/-0.000 χ^2/NDF : 3929189.6/21

0.001+/-0.000 χ^2/NDF : 4066931.7/23

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

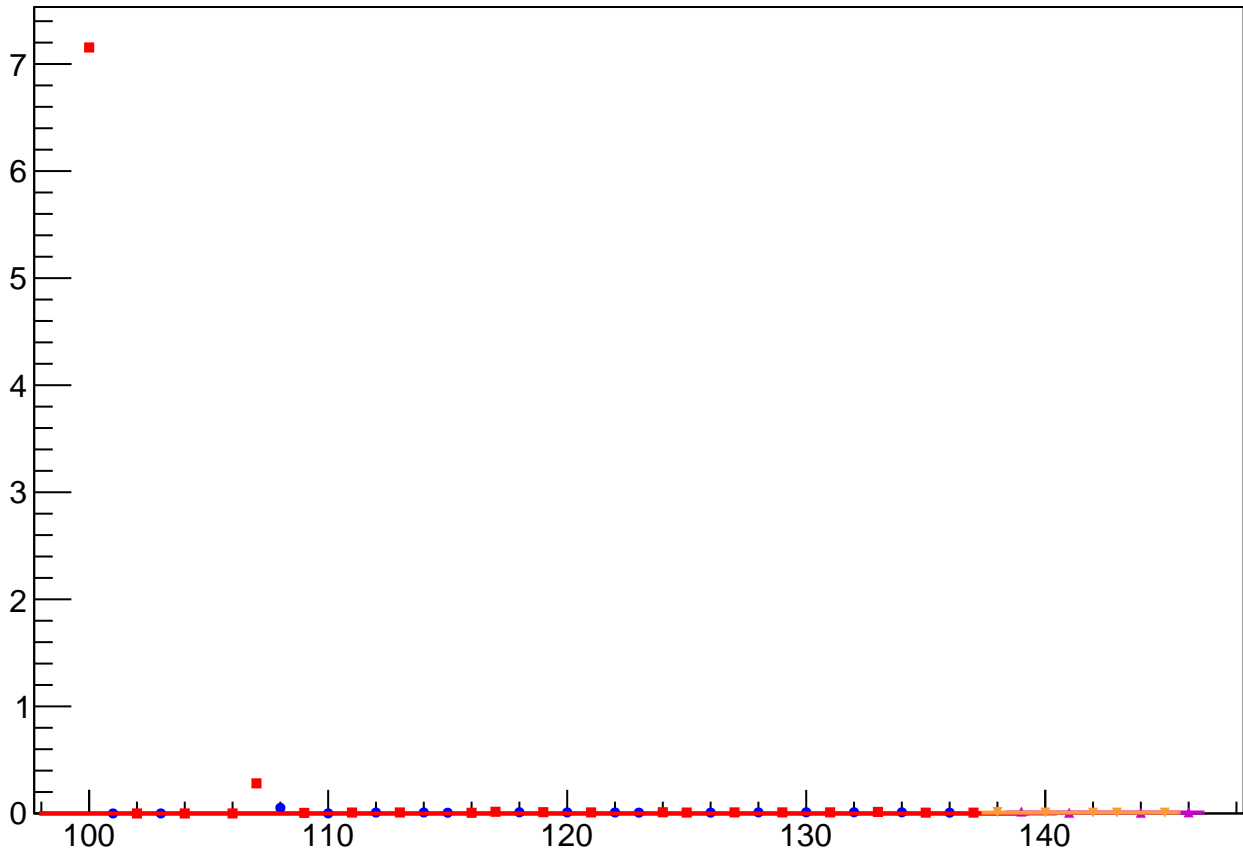
-6.965+/-0.000 χ^2 /NDF: 10539055921772.8/21

Right Out: -4.914+/-0.000 χ^2 /NDF: 365366243956054.8/19

-4.909+/-0.000 χ^2 /NDF: 366067966914808.8/2

Left In: 0.005+/-0.000 χ^2 /NDF:5347149.4/3

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

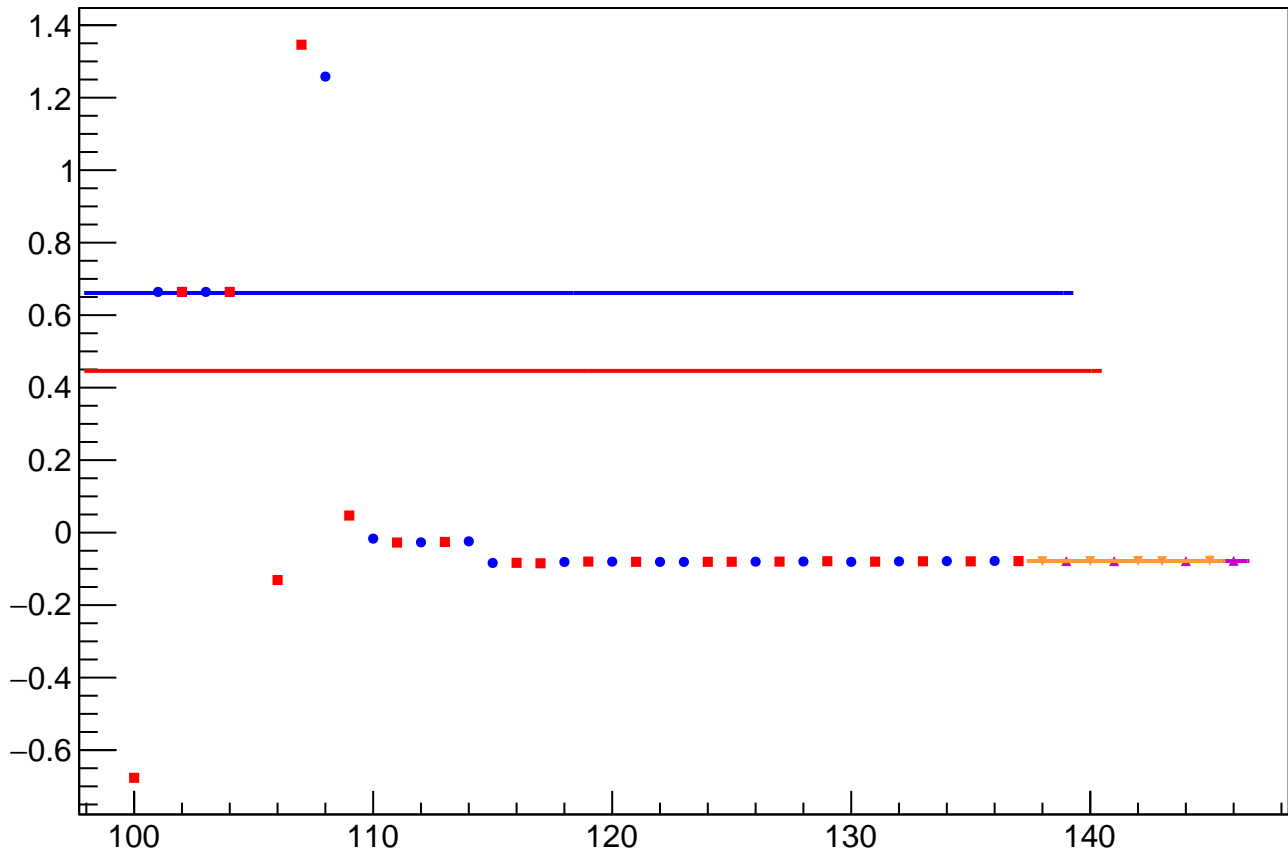
Right Out: 0.000+/-0.000 χ^2/NDF : 8880914.4/19

Left In: 0.009+/-0.000 χ^2/NDF :435140.2/3

0.000+/-0.000 χ^2/NDF : 12907082.2/21

0.000+/-0.000 χ^2/NDF : 13754199.6/23

yield_cav4dY_mean vs Slug



Right In: 0.661 ± 0.000 $\chi^2/NDF: 5678332616622.1/16$

Left Out: -0.078 ± 0.000 $\chi^2/NDF: 2239386.0/4$

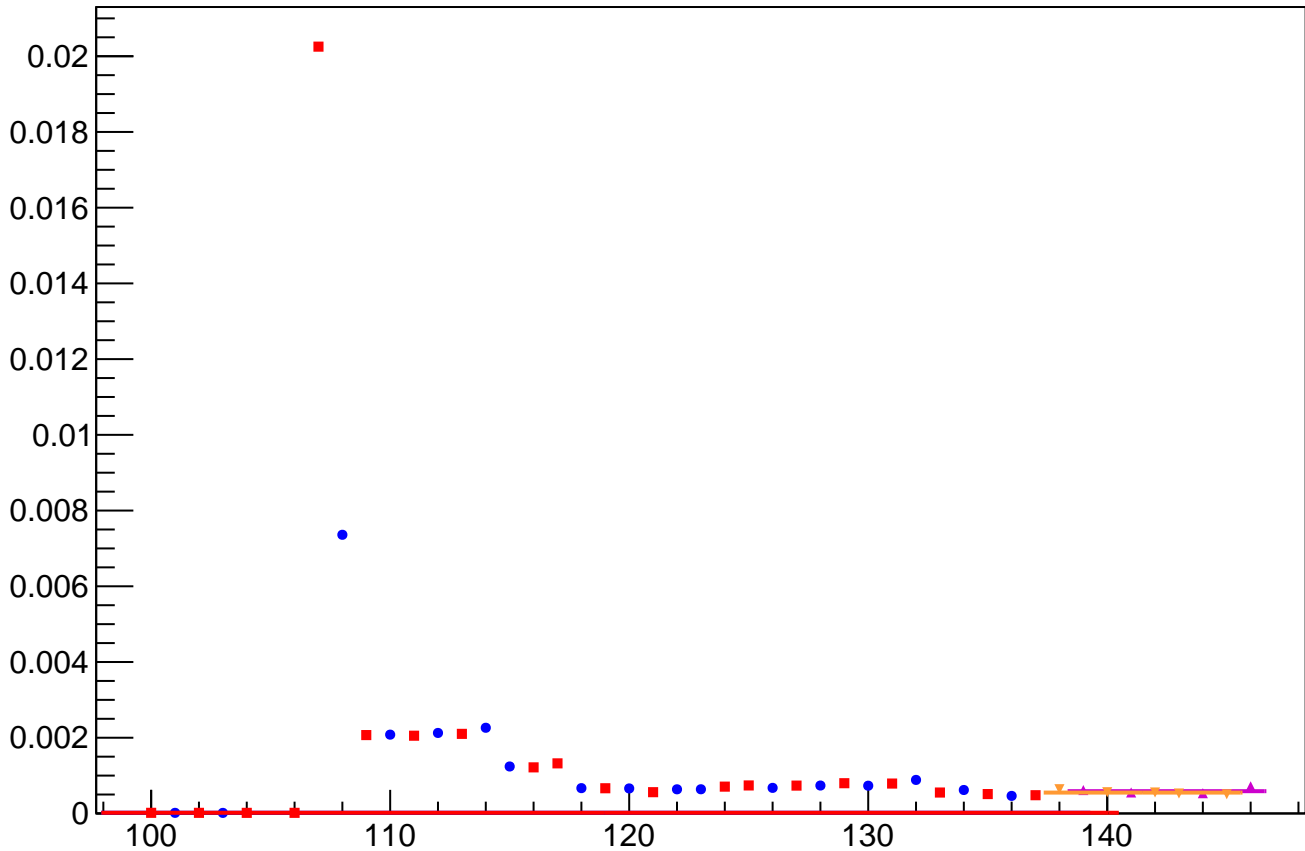
0.658 ± 0.000 $\chi^2/NDF: 11259835651894.0/21$

Right Out: 0.446 ± 0.000 $\chi^2/NDF: 405434749783850.4/19$

0.445 ± 0.000 $\chi^2/NDF: 407808988523730.2/23$

Left In: -0.078 ± 0.000 $\chi^2/NDF: 582352.3/3$

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

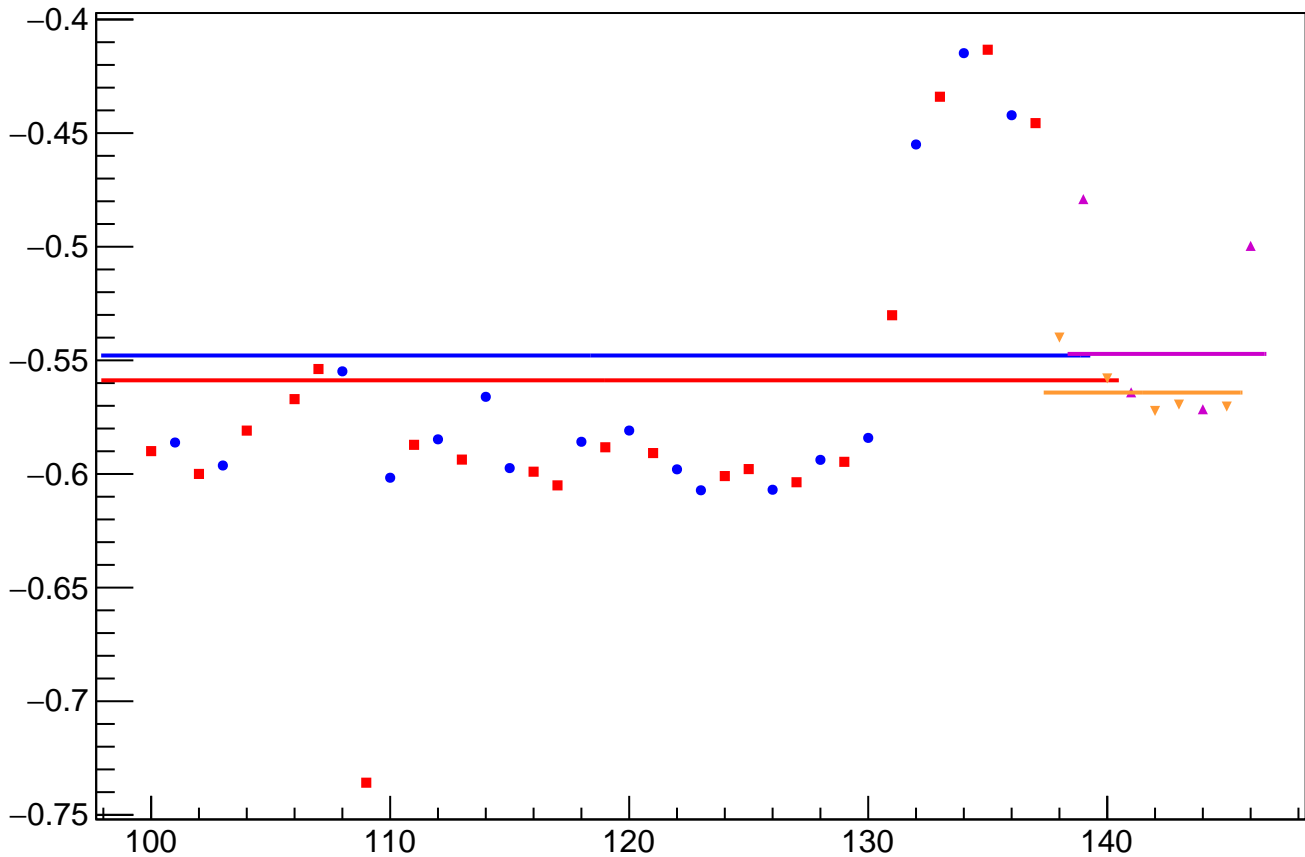
Right Out: 0.000+/-0.000 χ^2 /NDF: 9575039.3/19

Left In: 0.001+/-0.000 χ^2 /NDF: 73994.7/3

0.000+/-0.000 χ^2 /NDF: 15835360.4/21

0.000+/-0.000 χ^2 /NDF: 15256541.8/23

yield_bpm4aX_mean vs Slug



Right In: -0.548 \pm 0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.564 \pm 0.000 χ^2/NDF : 703425.7/4

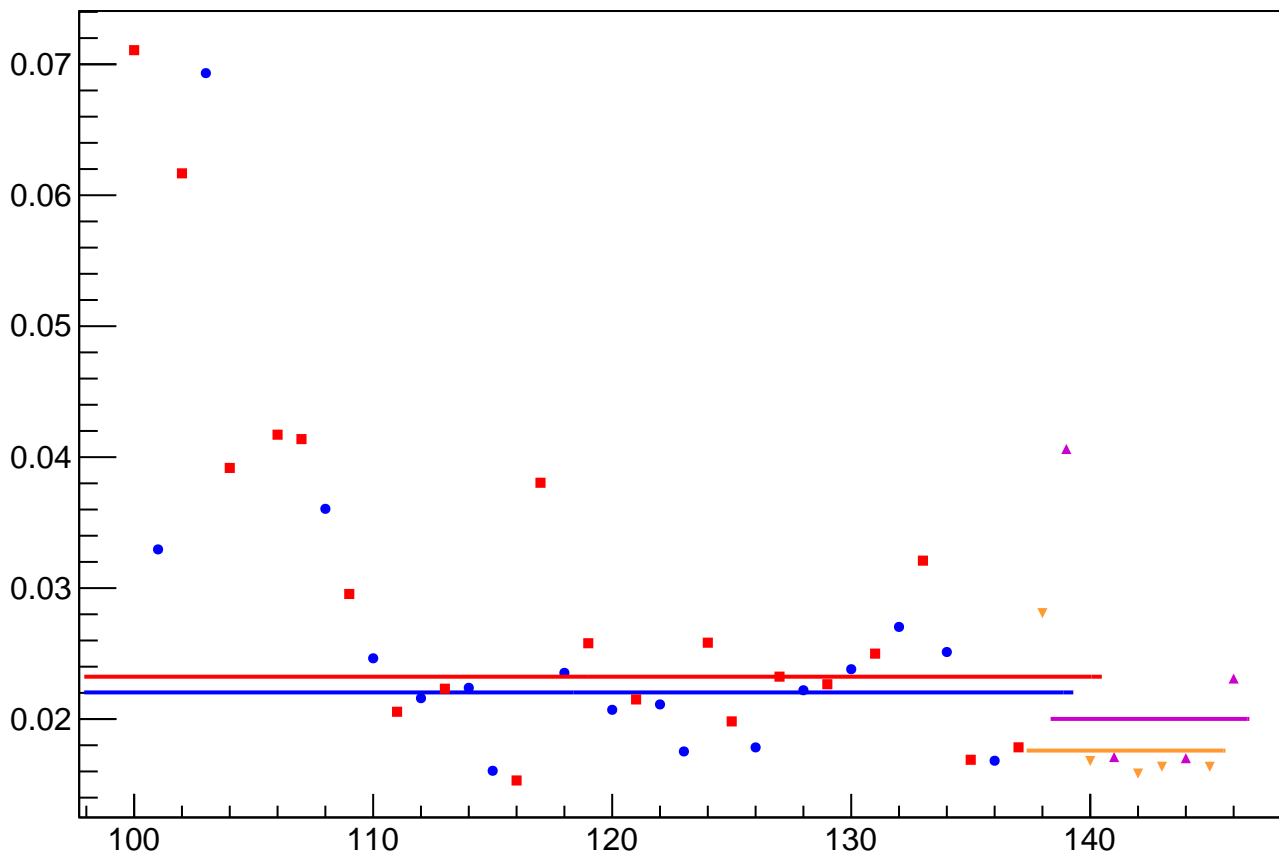
Right Out: -0.559 \pm 0.000 χ^2/NDF : 65741796.4/19

Left In: -0.547 \pm 0.000 χ^2/NDF : 6489888.8/3

-0.555 \pm 0.000 χ^2/NDF : 50427371.8/21

-0.555 \pm 0.000 χ^2/NDF : 72724230.8/23

yield_bpm4aX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 958966.6/16

Left Out: 0.018+/-0.000 χ^2/NDF : 184996.4/4

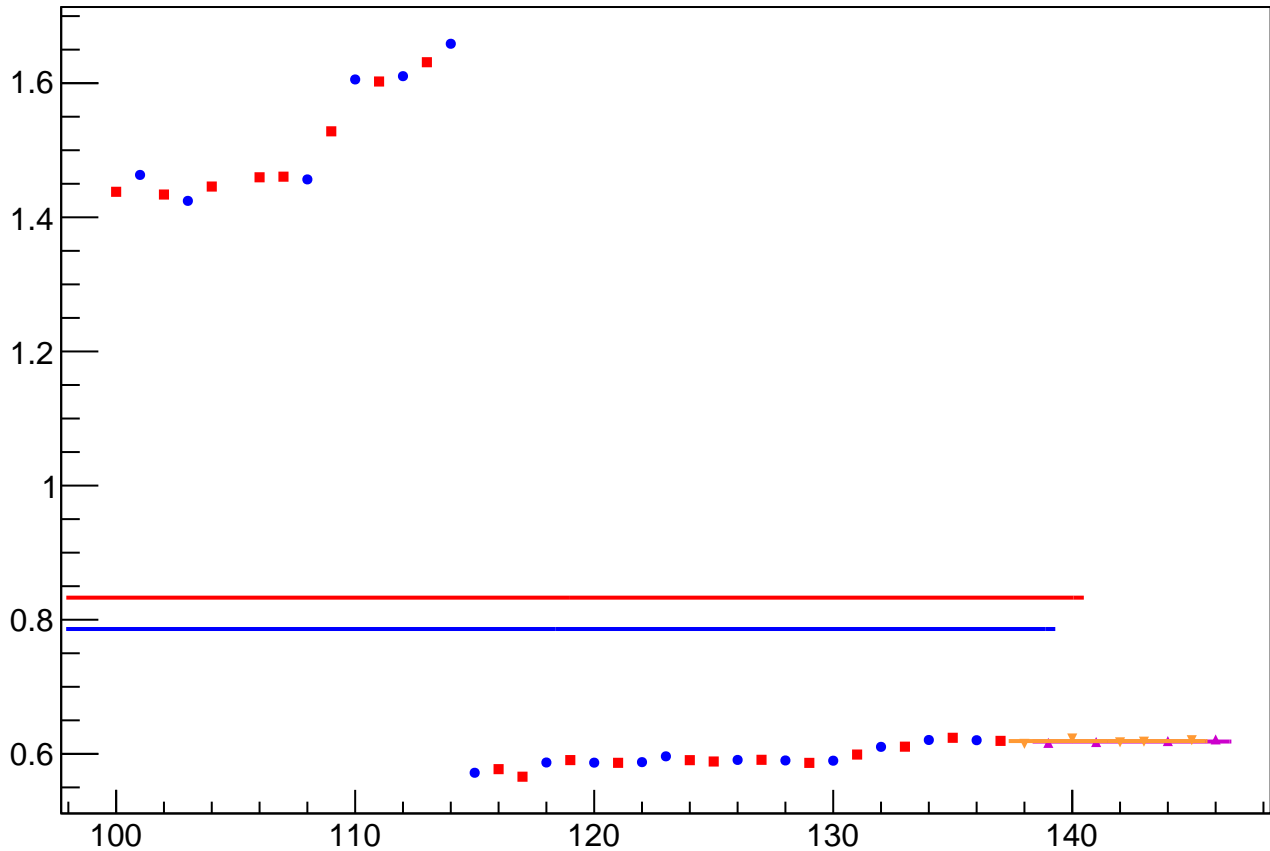
Right Out: 0.023+/-0.000 χ^2/NDF : 1169205.3/19

Left In: 0.020+/-0.000 χ^2/NDF : 443533.6/3

0.020+/-0.000 χ^2/NDF : 1313555.3/21

0.022+/-0.000 χ^2/NDF : 1688468.0/23

yield_bpm4aY_mean vs Slug



Right In: 0.786+/-0.000 χ^2/NDF : 3590113316.1/16

Left Out: 0.619+/-0.000 χ^2/NDF : 192981.3/4

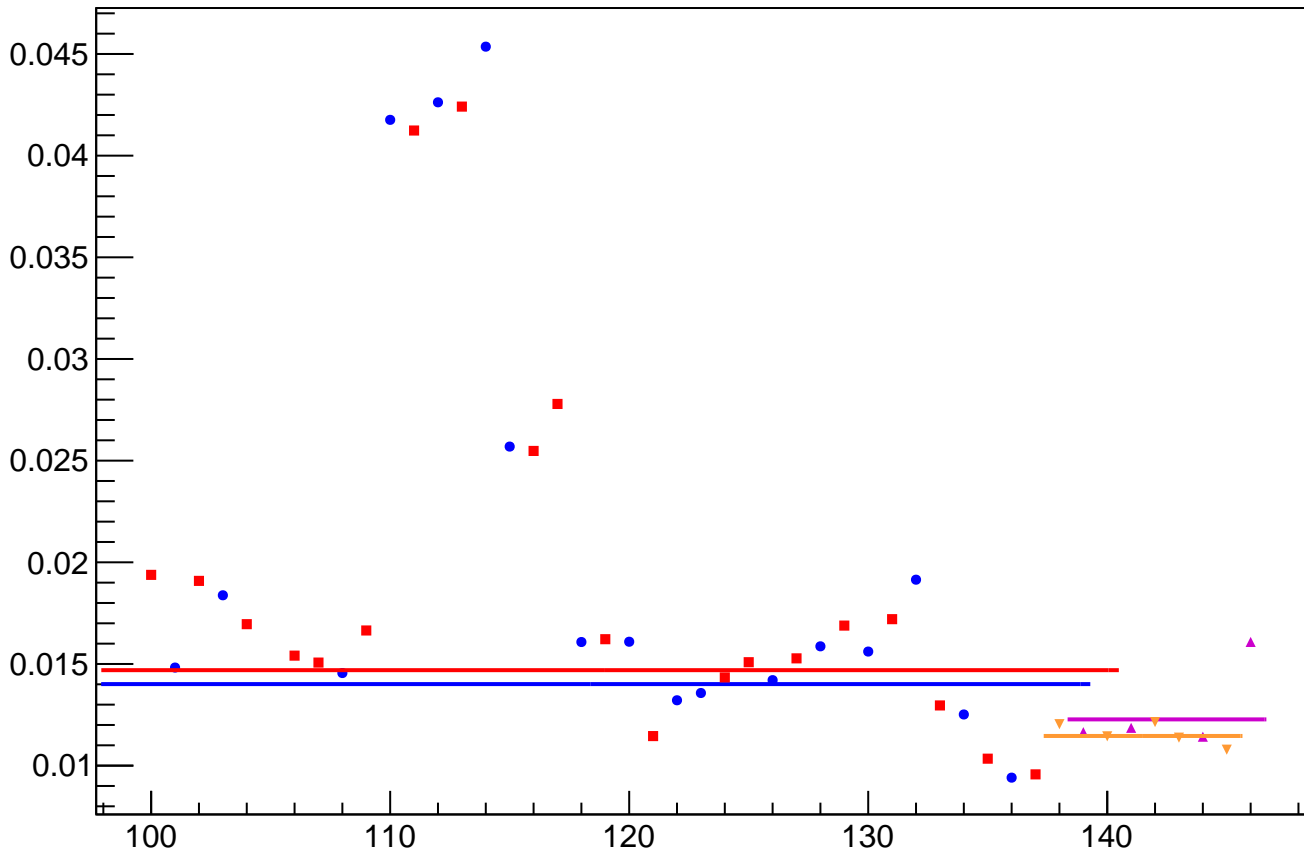
0.710+/-0.000 χ^2/NDF : 3958153346.8/21

Right Out: 0.833+/-0.000 χ^2/NDF : 4160348649.7/19

0.744+/-0.000 χ^2/NDF : 4695600988.3/23

Left In: 0.618+/-0.000 χ^2/NDF : 54527.1/3

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

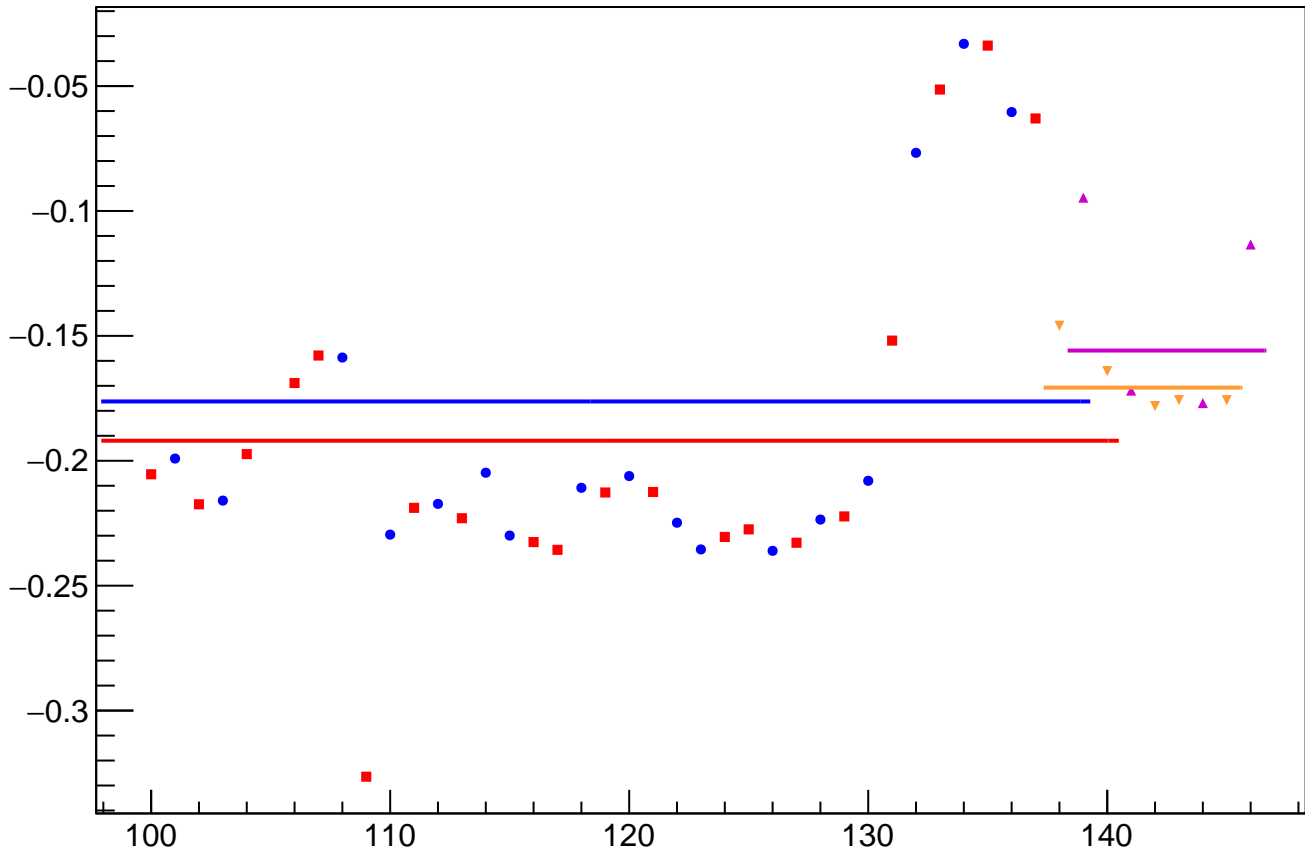
Right Out: 0.015+/-0.000 χ^2 /NDF: 1280473.4/19

Left In: 0.012+/-0.000 χ^2 /NDF:98101.5/3

0.013+/-0.000 χ^2 /NDF: 1588157.5/21

0.014+/-0.000 χ^2 /NDF: 1514888.1/23

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

-0.174+/-0.000 χ^2/NDF : 71036505.0/21

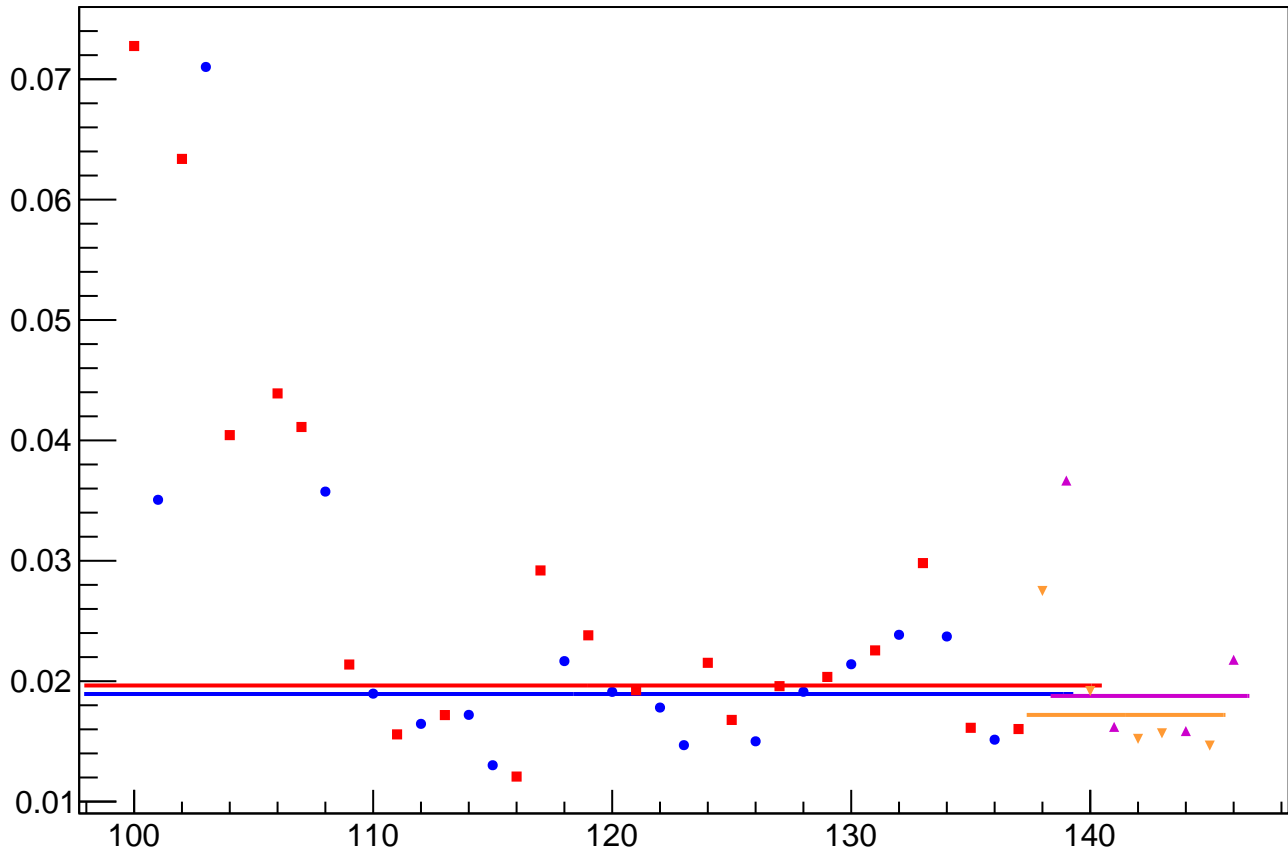
Left Out: -0.171+/-0.000 χ^2/NDF : 744863.4/4

Right Out: -0.192+/-0.000 χ^2/NDF : 83899255.4/19

-0.180+/-0.000 χ^2/NDF : 95732562.0/23

Left In: -0.156+/-0.000 χ^2/NDF : 6031243.8/3

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

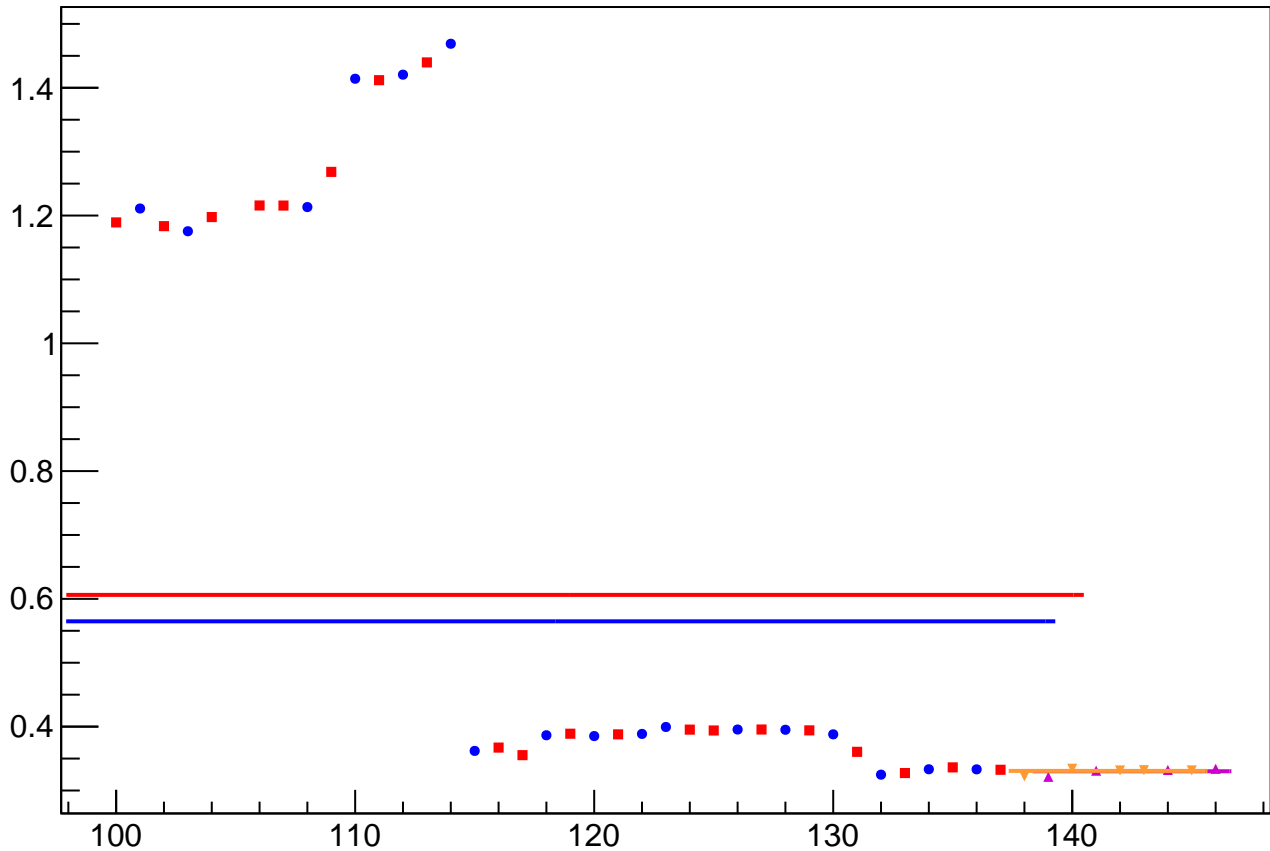
Right Out: 0.020+/-0.000 χ^2 /NDF: 1466285.9/19

Left In: 0.019+/-0.000 χ^2 /NDF:418490.2/3

0.018+/-0.000 χ^2 /NDF: 1471841.2/21

0.019+/-0.000 χ^2 /NDF: 1891473.1/23

yield_bpm4eY_mean vs Slug



Right In: 0.565 \pm 0.000 χ^2 /NDF: 5030969499.3/16

Left Out: 0.331 \pm 0.000 χ^2 /NDF:362064.9/4

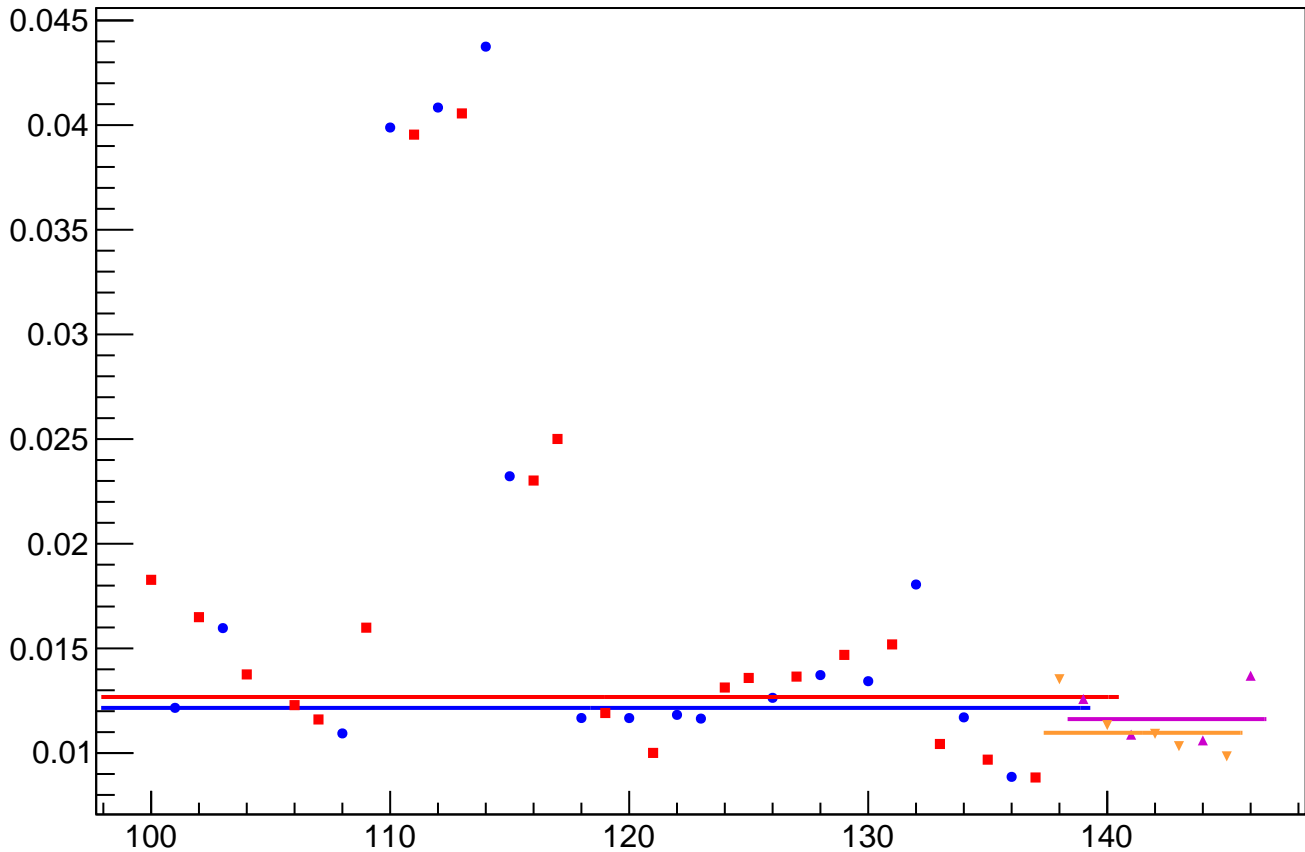
0.471 \pm 0.000 χ^2 /NDF: 5877826096.3/21

Right Out: 0.606 \pm 0.000 χ^2 /NDF: 5517630064.2/19

0.502 \pm 0.000 χ^2 /NDF: 6572876319.3/23

Left In: 0.330 \pm 0.000 χ^2 /NDF:409118.5/3

yield_bpm4eY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1309888.8/16

0.012+/-0.000 χ^2/NDF : 1428931.4/21

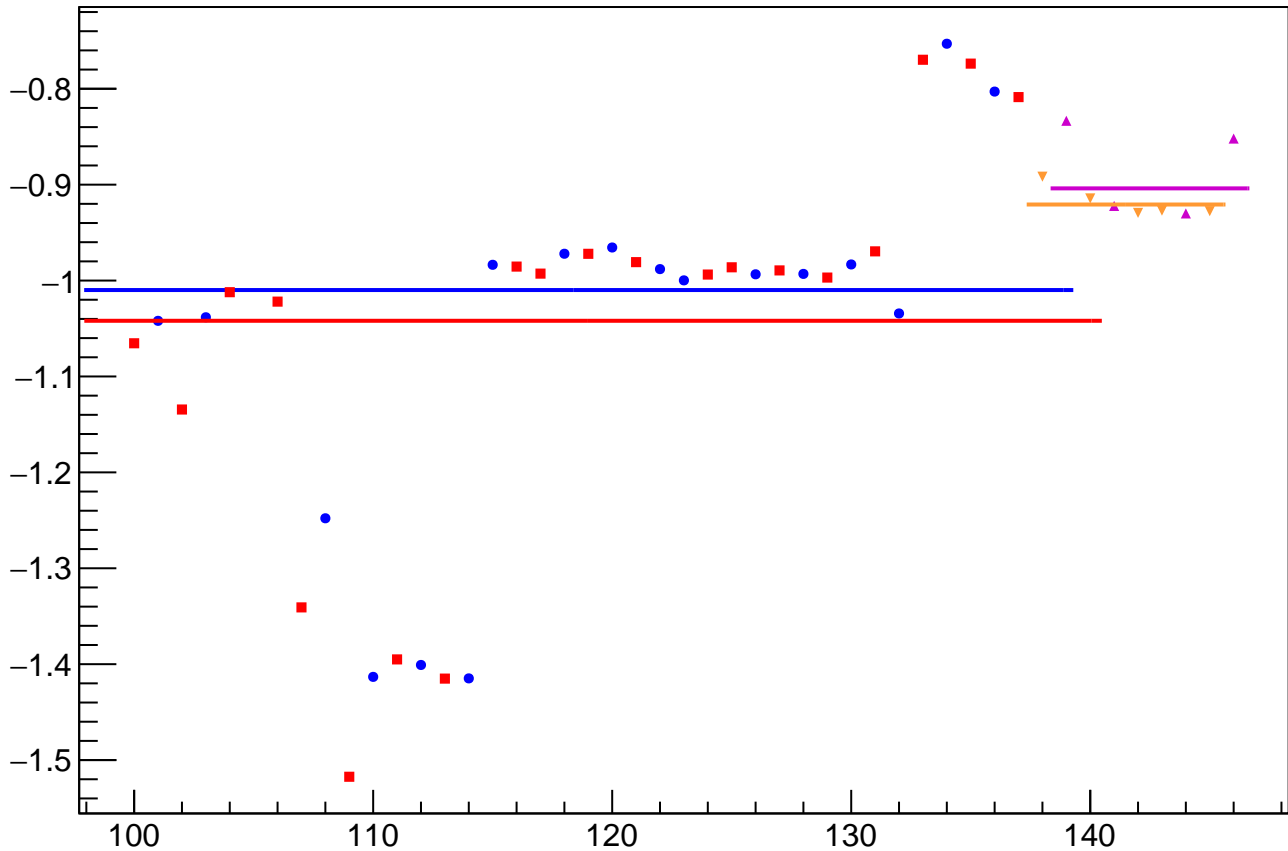
Left Out: 0.011+/-0.000 χ^2/NDF : 75378.2/4

Right Out: 0.013+/-0.000 χ^2/NDF : 1289415.7/19

0.012+/-0.000 χ^2/NDF : 1384910.7/23

Left In: 0.012+/-0.000 χ^2/NDF : 64617.0/3

yield_bpm4acX_mean vs Slug



Right In: -1.010 \pm 0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.921 \pm 0.000 χ^2/NDF : 999677.6/4

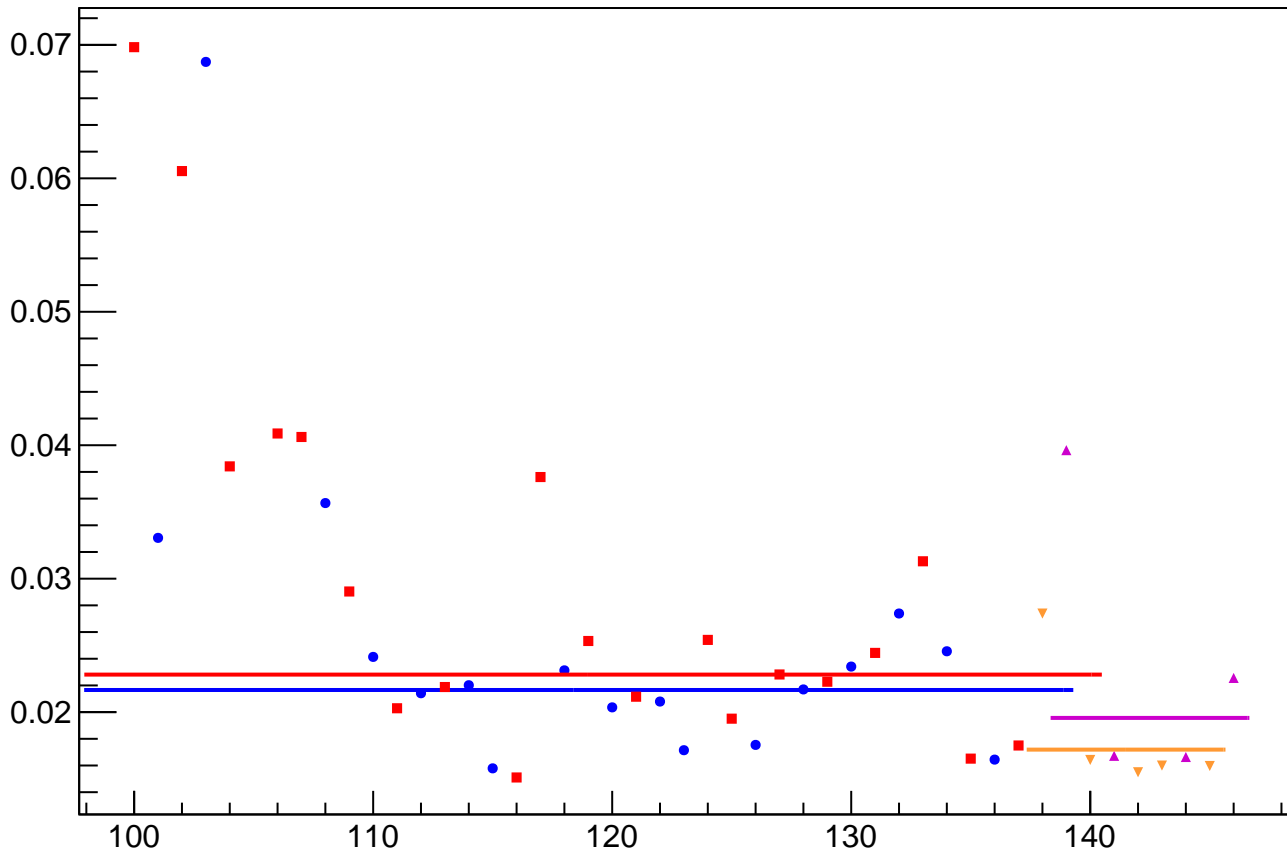
Right Out: -1.042 \pm 0.000 χ^2/NDF : 530175104.2/19

Left In: -0.904 \pm 0.000 χ^2/NDF : 7810856.4/3

-0.973 \pm 0.000 χ^2/NDF : 424306809.6/21

-0.991 \pm 0.000 χ^2/NDF : 610425600.5/23

yield_bpm4acX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 983499.8/16

Left Out: 0.017+/-0.000 χ^2/NDF : 183728.4/4

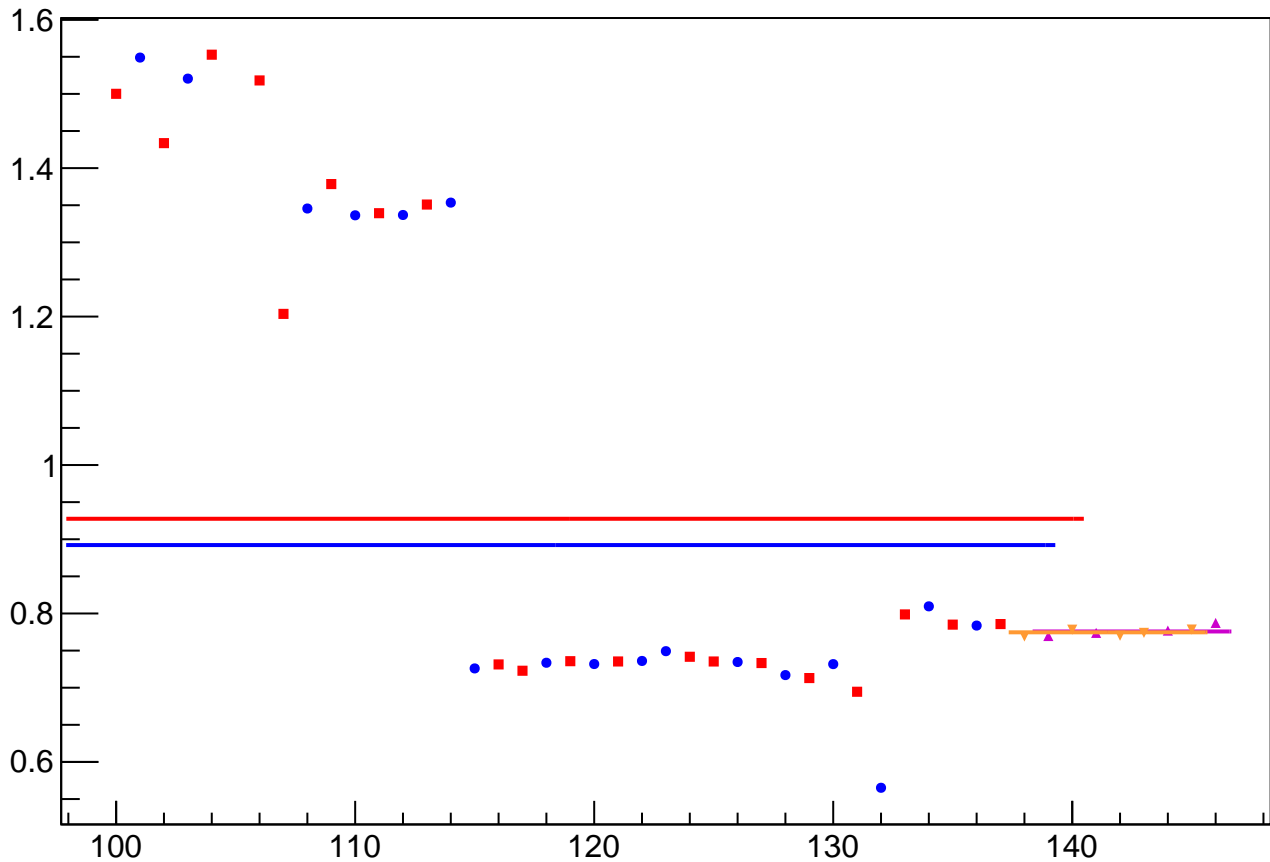
Right Out: 0.023+/-0.000 χ^2/NDF : 1165116.5/19

Left In: 0.020+/-0.000 χ^2/NDF : 441602.7/3

0.020+/-0.000 χ^2/NDF : 1346267.4/21

0.022+/-0.000 χ^2/NDF : 1686789.4/23

yield_bpm4acY_mean vs Slug



Right In: 0.892 \pm 0.000 χ^2 /NDF: 2413732173.6/16

Left Out: 0.775 \pm 0.000 χ^2 /NDF:378510.4/4

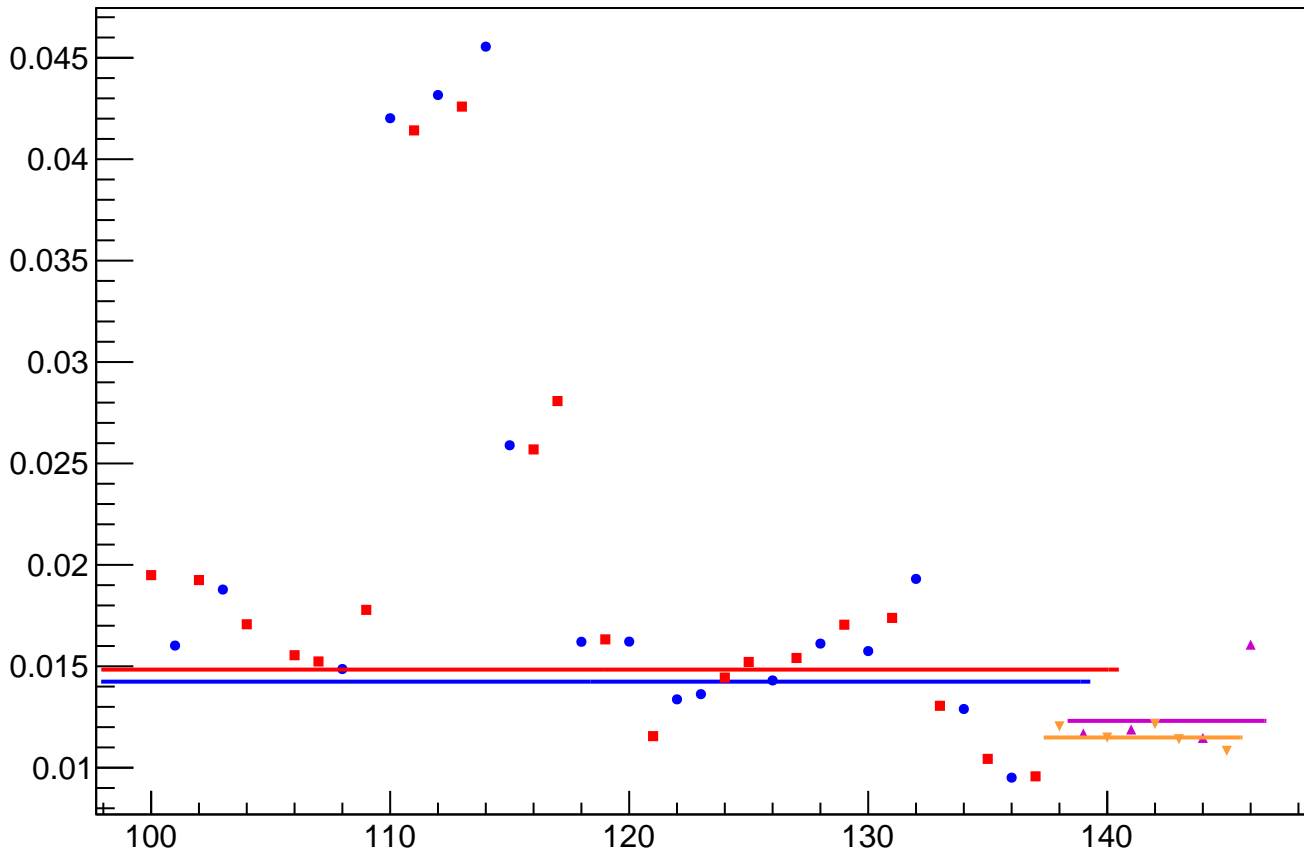
0.838 \pm 0.000 χ^2 /NDF: 2592498790.6/21

Right Out: 0.928 \pm 0.000 χ^2 /NDF: 2439574936.7/19

0.864 \pm 0.000 χ^2 /NDF: 2704833358.0/23

Left In: 0.776 \pm 0.000 χ^2 /NDF:592584.1/3

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

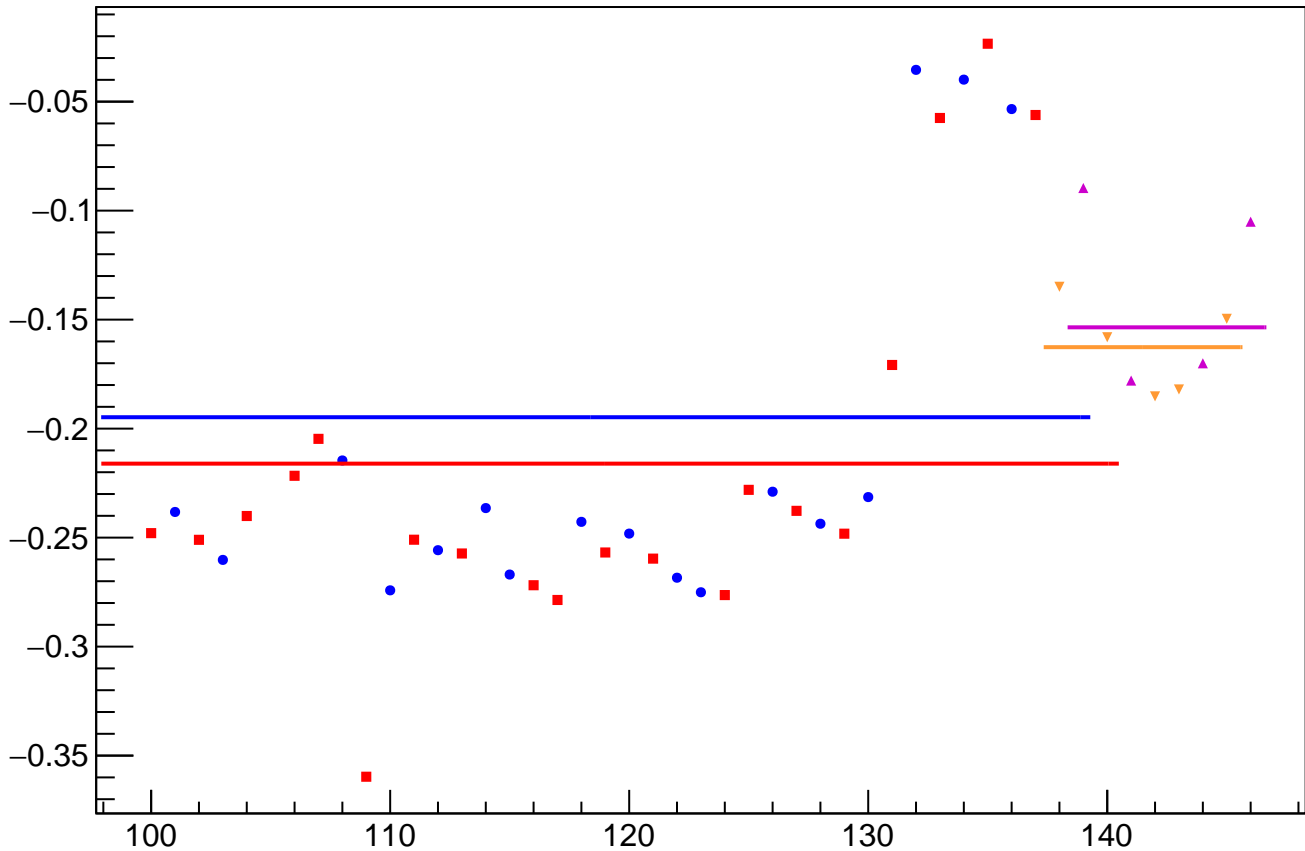
Right Out: 0.015 ± 0.000 χ^2/NDF : 1291174.0/19

Left In: 0.012 ± 0.000 χ^2/NDF : 95629.1/3

0.013 ± 0.000 χ^2/NDF : 1622285.0/21

0.014 ± 0.000 χ^2/NDF : 1533584.2/23

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

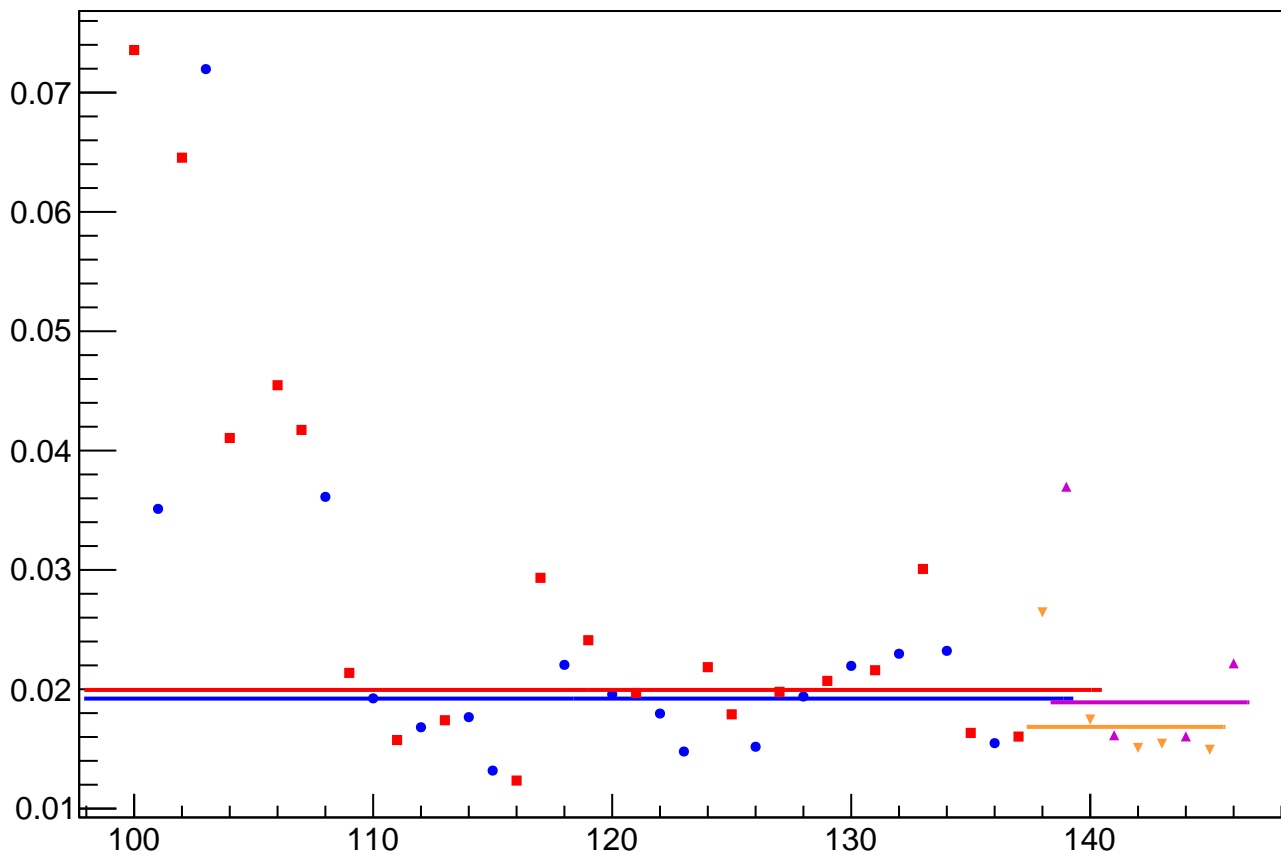
Right Out: -0.216+/-0.000 χ^2/NDF : 112167032.2/19

Left In: -0.154+/-0.000 χ^2/NDF : 7136541.9/3

-0.183+/-0.000 χ^2/NDF : 116317442.9/21

-0.195+/-0.000 χ^2/NDF : 136355077.2/23

yield_bpm4ecX_rms vs Slug



Right In: 0.019 ± 0.000 $\chi^2/\text{NDF}: 1177085.4/16$

Left Out: 0.017 ± 0.000 $\chi^2/\text{NDF}: 192855.9/4$

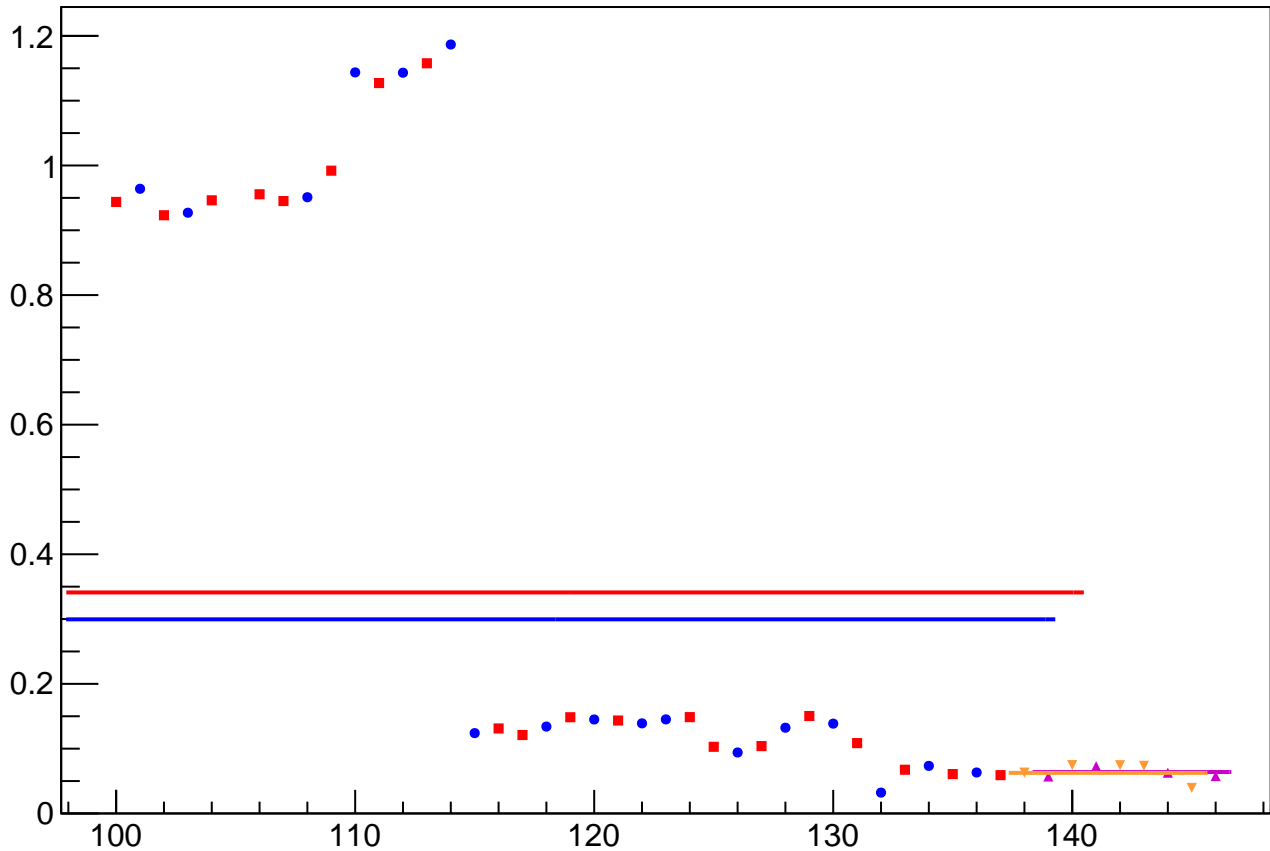
Right Out: 0.020 ± 0.000 $\chi^2/\text{NDF}: 1455211.7/19$

Left In: 0.019 ± 0.000 $\chi^2/\text{NDF}: 424675.5/3$

0.018 ± 0.000 $\chi^2/\text{NDF}: 1426870.5/21$

0.020 ± 0.000 $\chi^2/\text{NDF}: 1889317.0/23$

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

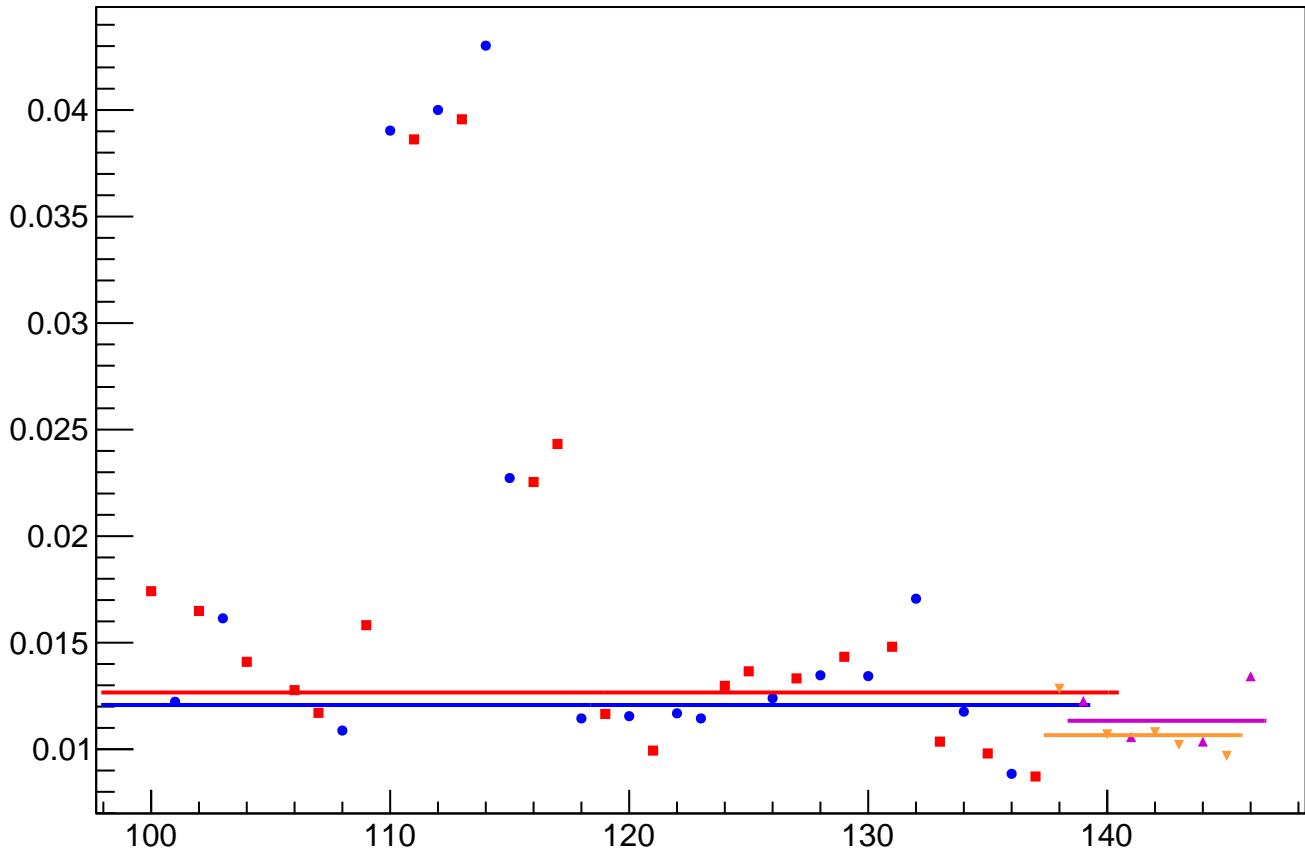
0.202 \pm 0.000 χ^2 /NDF: 6072914342.9/21

Right Out: 0.341 \pm 0.000 χ^2 /NDF: 5453748737.7/19

0.234 \pm 0.000 χ^2 /NDF: 6552161955.4/23

Left In: 0.064 \pm 0.000 χ^2 /NDF:956259.8/3

yield_bpm4ecY_rms vs Slug



Right In: 0.012 ± 0.000 $\chi^2/\text{NDF}: 1282097.7/16$

Left Out: 0.011 ± 0.000 $\chi^2/\text{NDF}: 57616.1/4$

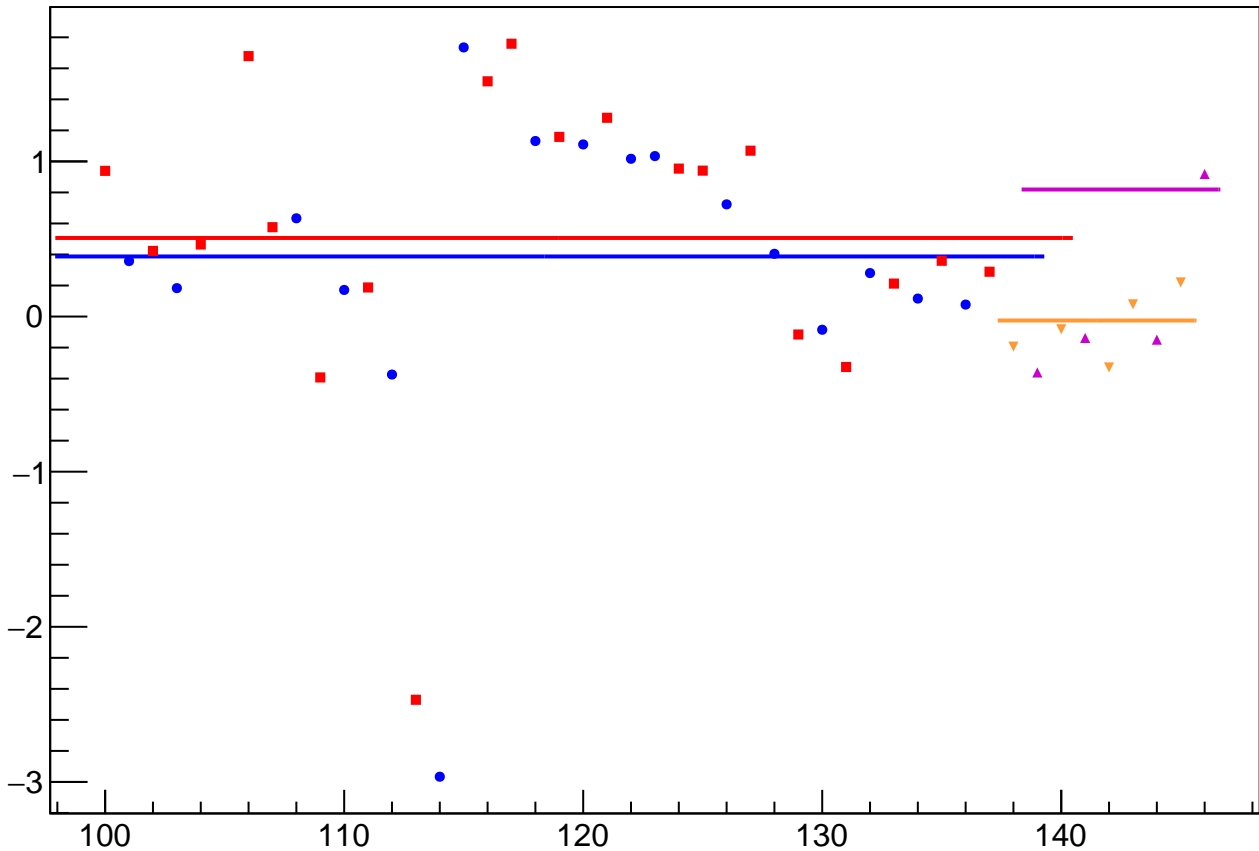
Right Out: 0.013 ± 0.000 $\chi^2/\text{NDF}: 1255391.1/19$

Left In: 0.011 ± 0.000 $\chi^2/\text{NDF}: 66955.7/3$

0.011 ± 0.000 $\chi^2/\text{NDF}: 1403915.8/21$

0.012 ± 0.000 $\chi^2/\text{NDF}: 1372644.3/23$

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

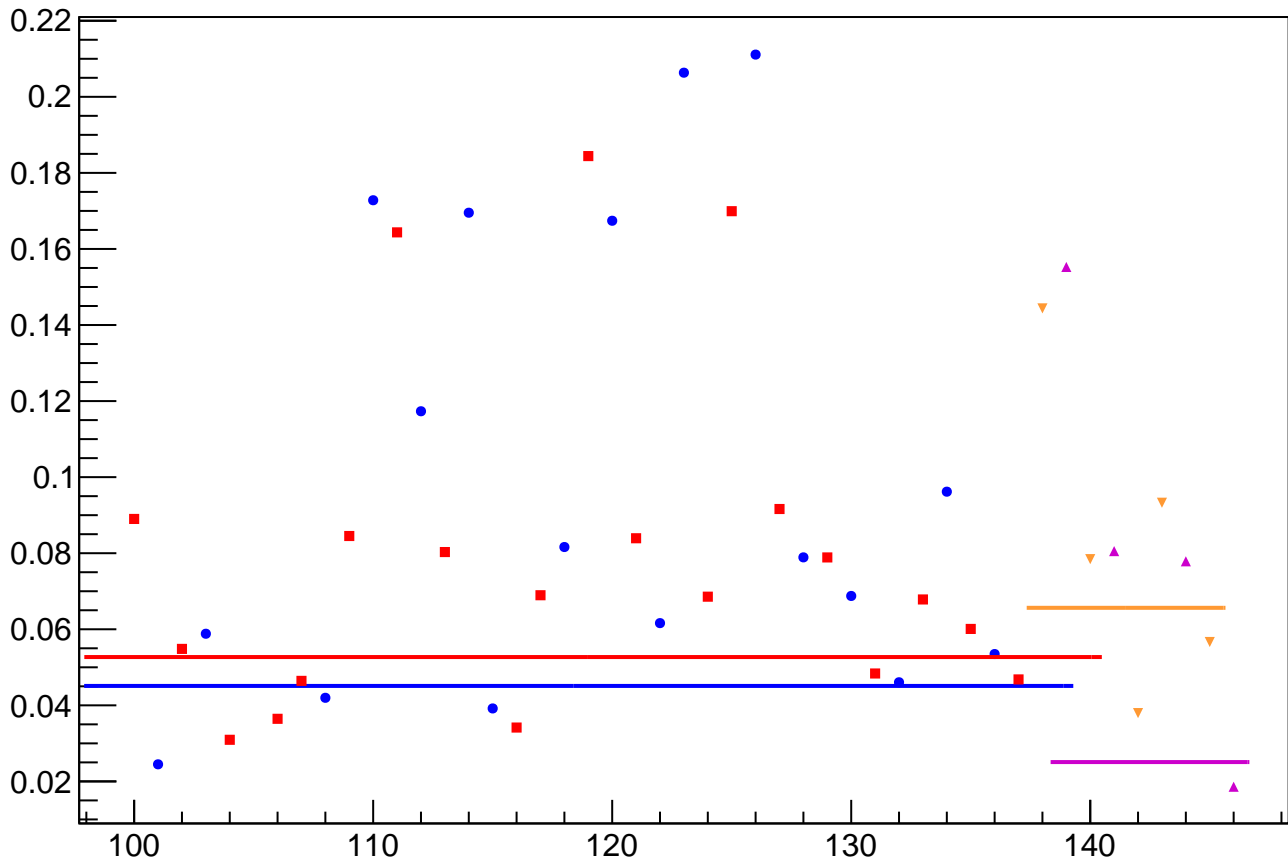
Right Out: 0.507 \pm 0.000 χ^2 /NDF: 995347030.4/19

Left In: 0.819 \pm 0.000 χ^2 /NDF: 202136540.6/3

0.304 \pm 0.000 χ^2 /NDF: 330676115.1/21

0.686 \pm 0.000 χ^2 /NDF: 1281513883.8/23

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

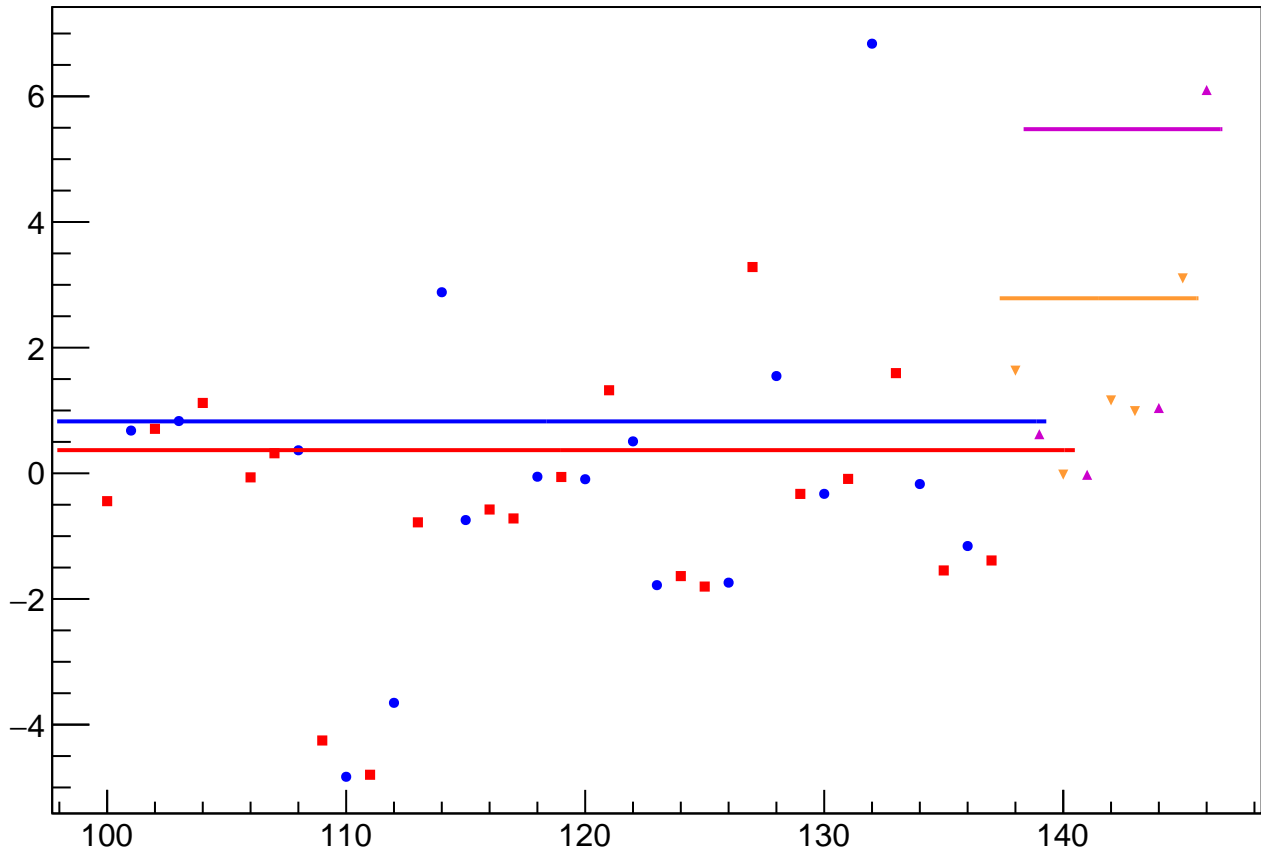
Right Out: 0.053+/-0.000 χ^2/NDF : 2194555.4/19

Left In: 0.025+/-0.000 χ^2/NDF : 1932097.8/3

0.049+/-0.000 χ^2/NDF : 3832233.4/21

0.037+/-0.000 χ^2/NDF : 5441229.9/23

yield_bpm1Y_mean vs Slug



Right In: 0.827 ± 0.000 $\chi^2/NDF: 10936458870.4/16$

1.701 ± 0.000 $\chi^2/NDF: 19858956976.0/21$

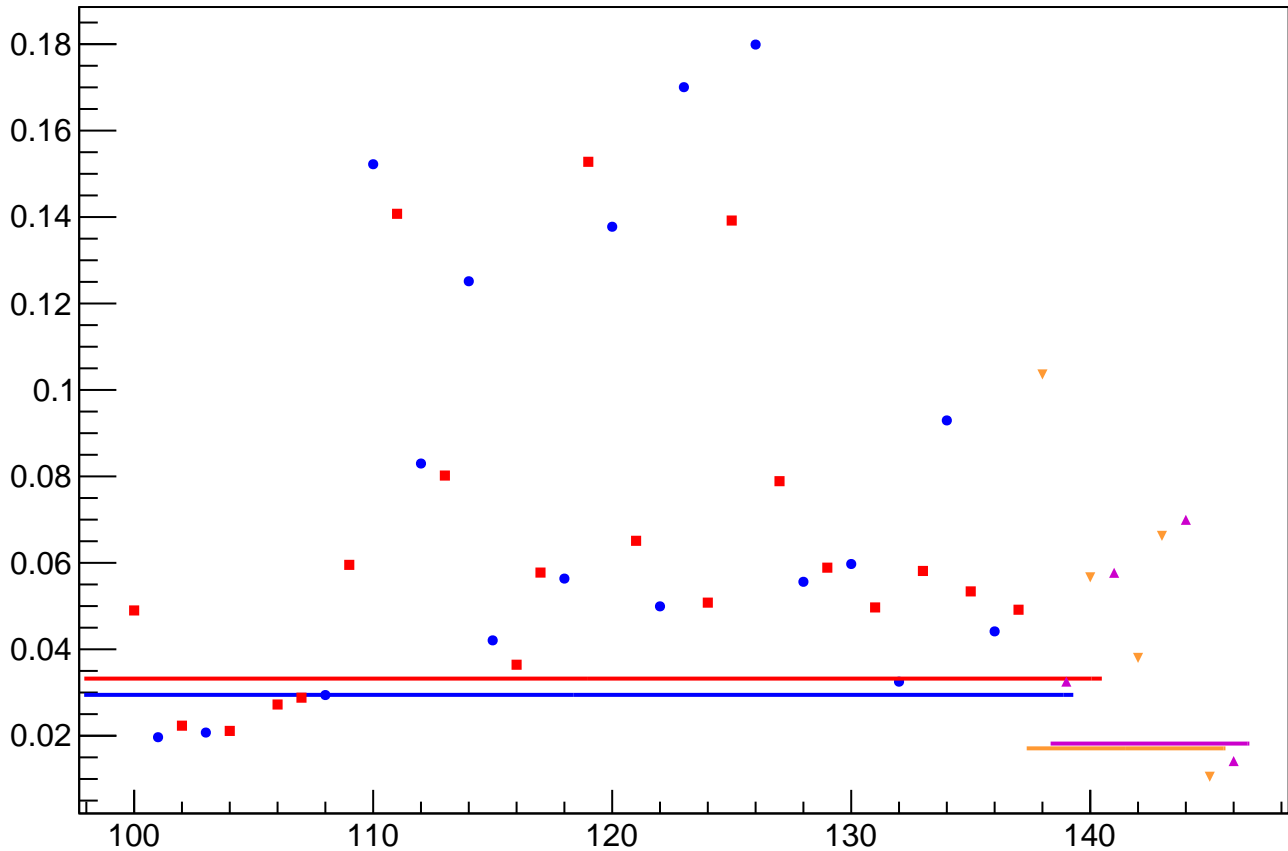
Left Out: 2.786 ± 0.000 $\chi^2/NDF: 2179134503.3/4$

Right Out: 0.369 ± 0.000 $\chi^2/NDF: 4985860510.0/19$

3.055 ± 0.000 $\chi^2/NDF: 65256179076.8/23$

Left In: 5.478 ± 0.000 $\chi^2/NDF: 12105271101.8/3$

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

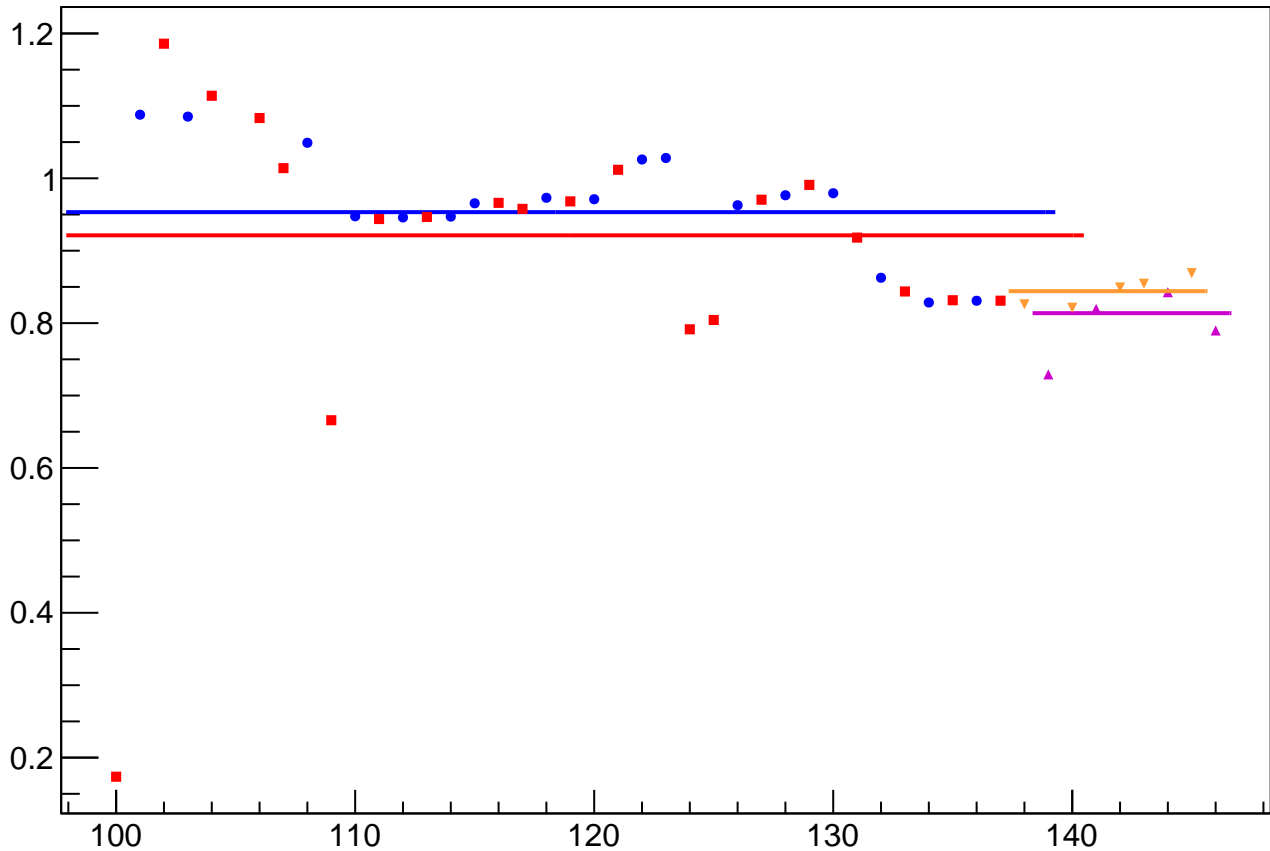
Right Out: 0.033+/-0.000 χ^2/NDF : 3110014.7/19

Left In: 0.018+/-0.000 χ^2/NDF :1230038.9/3

0.024+/-0.000 χ^2/NDF : 5686449.7/21

0.025+/-0.000 χ^2/NDF : 5174090.1/23

yield_bpm11X_mean vs Slug



Right In: 0.953+/-0.000 χ^2/NDF : 175396553.4/16

0.914+/-0.000 χ^2/NDF : 315772941.4/21

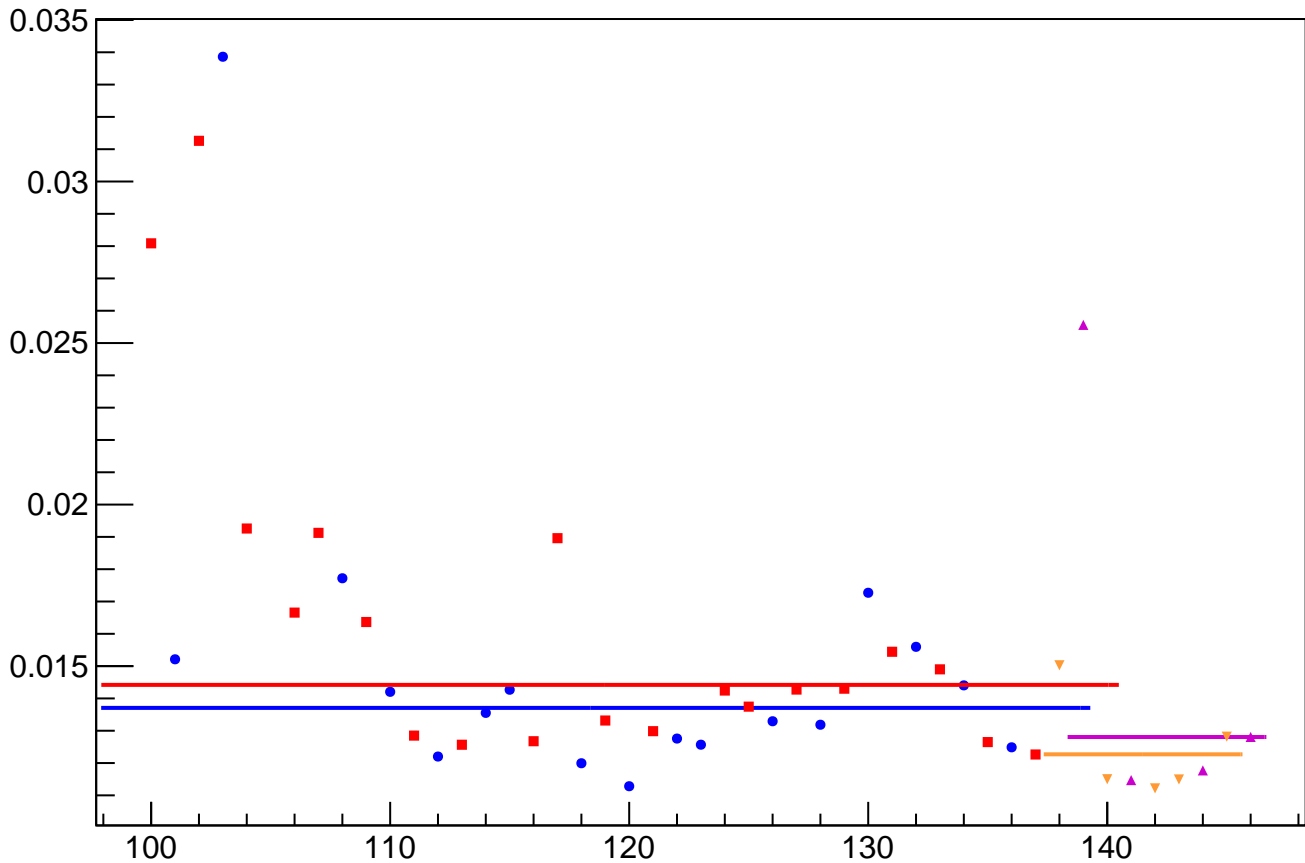
Left Out: 0.844+/-0.000 χ^2/NDF :6196497.2/4

Right Out: 0.921+/-0.000 χ^2/NDF : 374376205.4/19

0.883+/-0.000 χ^2/NDF : 510267959.5/23

Left In: 0.814+/-0.000 χ^2/NDF :14553796.4/3

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 546317.6/16

Left Out: 0.012+/-0.000 χ^2/NDF : 58066.4/4

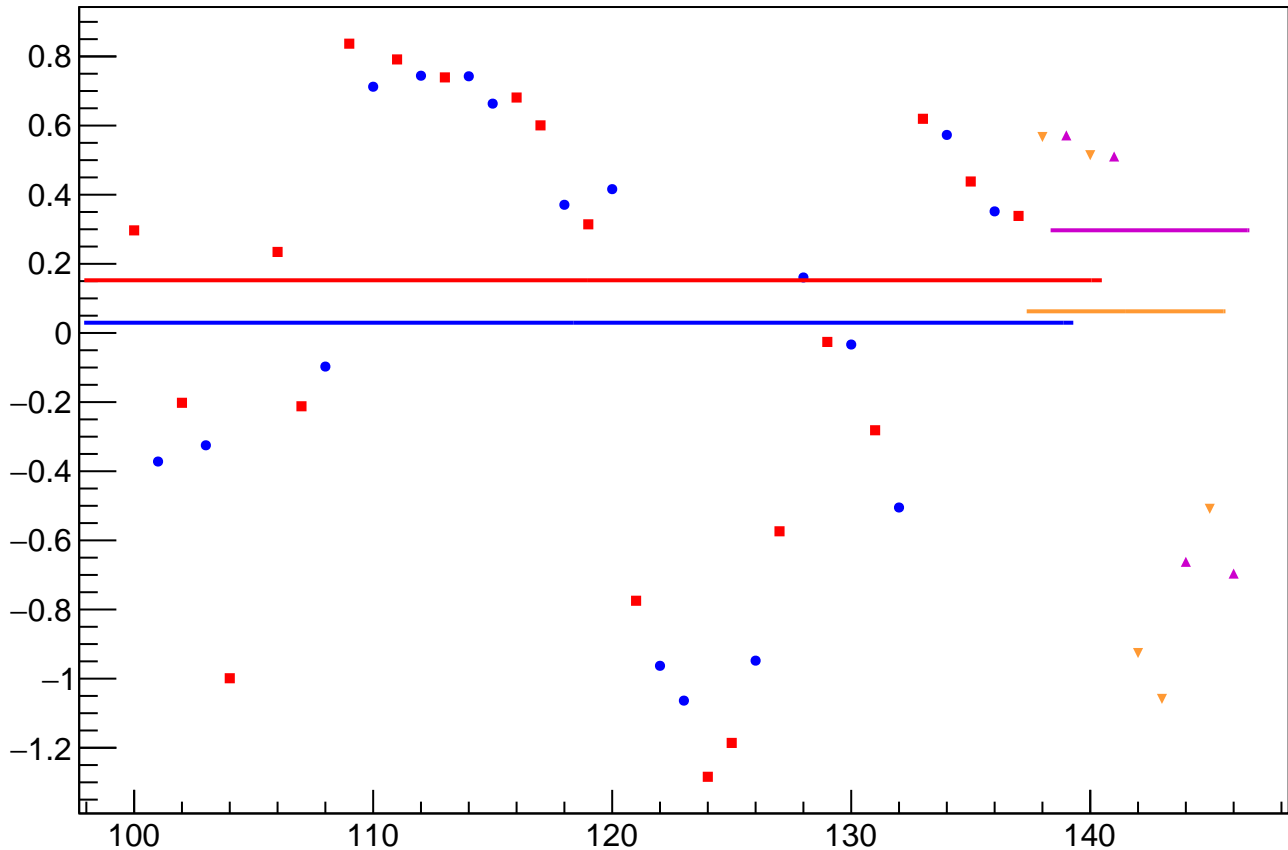
Right Out: 0.014+/-0.000 χ^2/NDF : 506553.4/19

Left In: 0.013+/-0.000 χ^2/NDF : 358222.4/3

0.013+/-0.000 χ^2/NDF : 650962.2/21

0.014+/-0.000 χ^2/NDF : 919490.4/23

yield_bpm11Y_mean vs Slug



Right In: 0.030 +/- 0.000 χ^2/NDF : 6294824795.0/16

Left Out: 0.063 +/- 0.000 χ^2/NDF : 14167300192.0/4

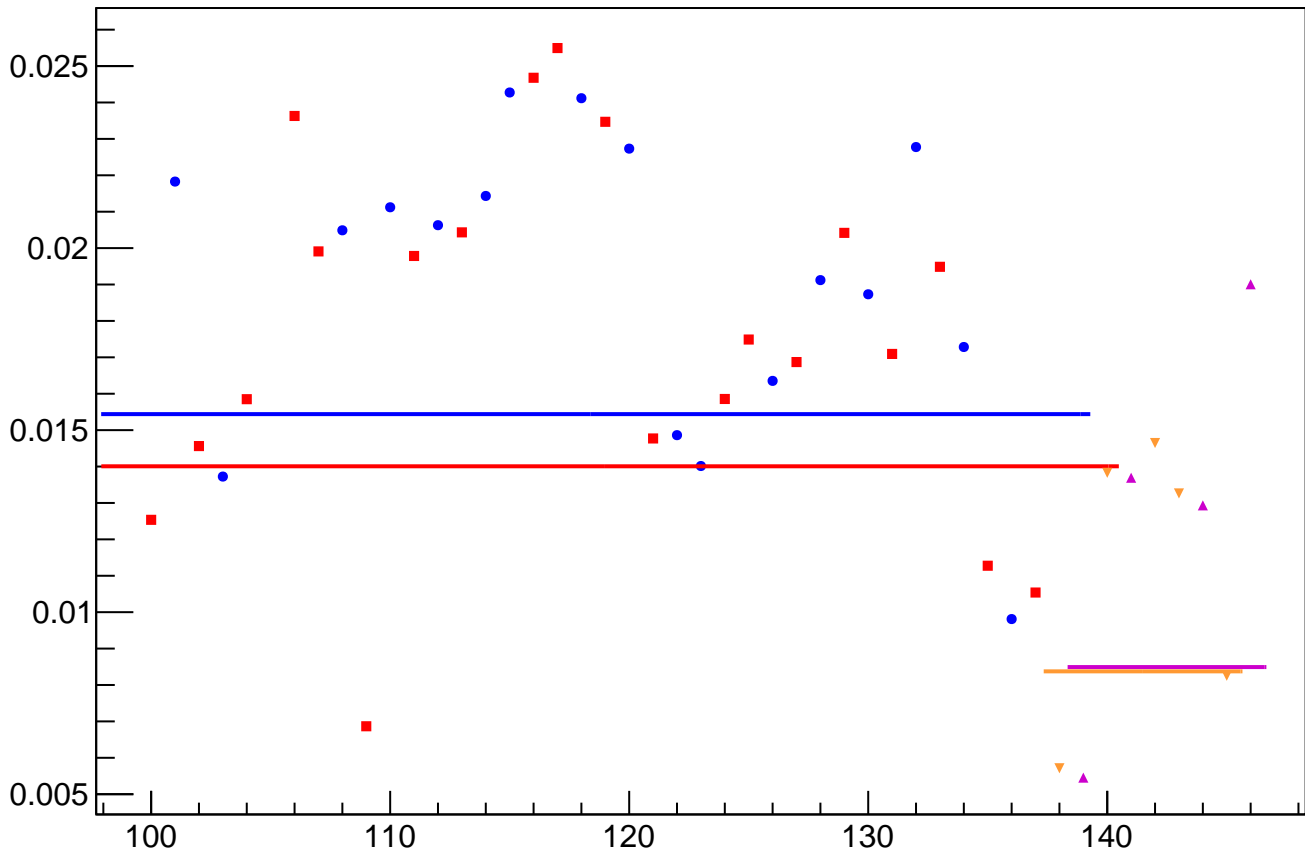
Right Out: 0.152 +/- 0.000 χ^2/NDF : 12673501089.9/19

Left In: 0.297 +/- 0.000 χ^2/NDF : 8298620250.7/3

0.050 +/- 0.000 χ^2/NDF : 20477676708.5/21

0.229 +/- 0.000 χ^2/NDF : 21290095458.3/23

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

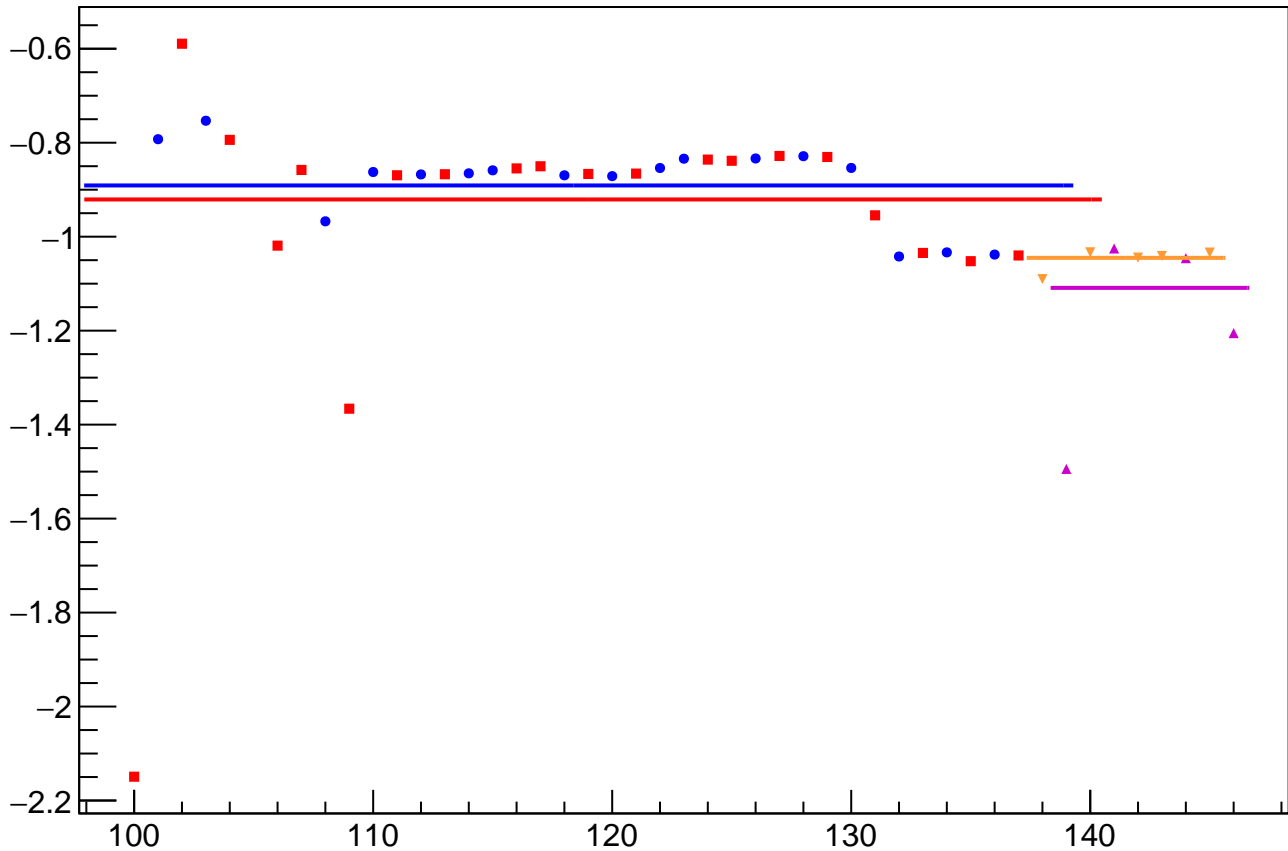
Right Out: 0.014+/-0.000 χ^2/NDF : 1576149.9/19

Left In: 0.008+/-0.000 χ^2/NDF : 1251217.9/3

0.011+/-0.000 χ^2/NDF : 3372758.5/21

0.011+/-0.000 χ^2/NDF : 3751989.5/23

yield_bpm12X_mean vs Slug



Right In: -0.891 ± 0.000 $\chi^2/\text{NDF}: 39578323.2/16$

Left Out: -1.045 ± 0.000 $\chi^2/\text{NDF}: 1011347.0/4$

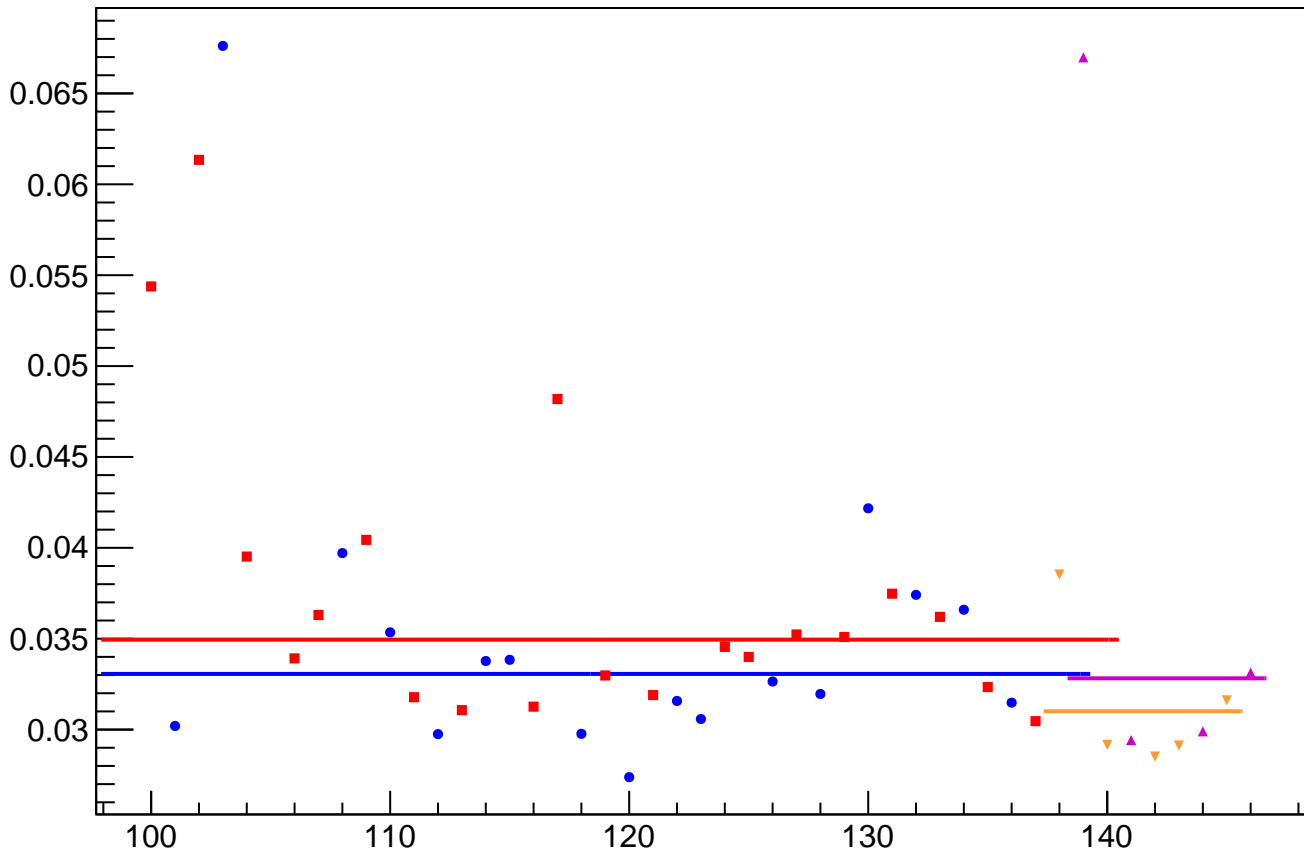
-0.943 ± 0.000 $\chi^2/\text{NDF}: 83715107.0/21$

Right Out: -0.921 ± 0.000 $\chi^2/\text{NDF}: 131271770.4/19$

-0.982 ± 0.000 $\chi^2/\text{NDF}: 227077471.2/23$

Left In: -1.109 ± 0.000 $\chi^2/\text{NDF}: 36991359.8/3$

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

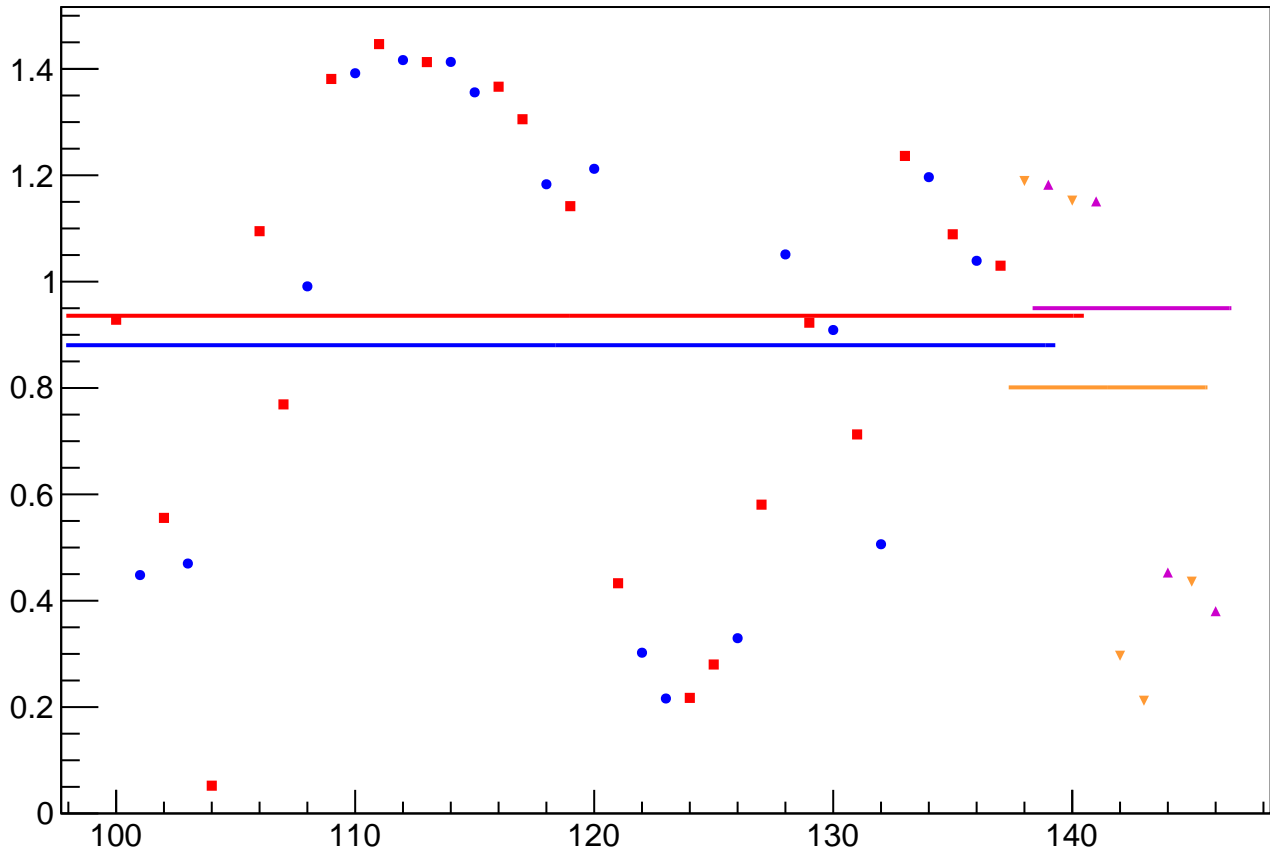
Right Out: 0.035+/-0.000 χ^2/NDF : 280500.4/19

Left In: 0.033+/-0.000 χ^2/NDF : 374908.0/3

0.032+/-0.000 χ^2/NDF : 484533.3/21

0.034+/-0.000 χ^2/NDF : 670439.3/23

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

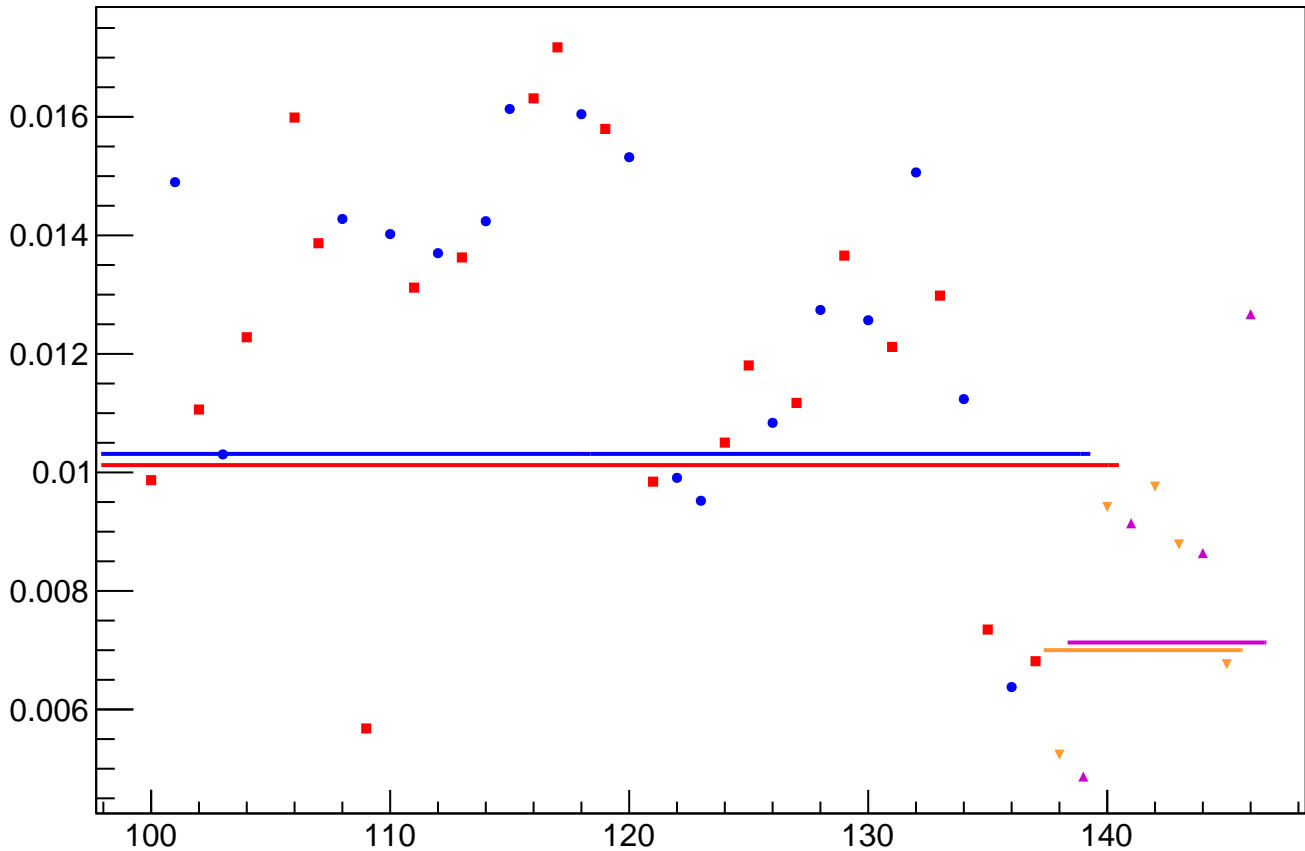
Right Out: 0.936+/-0.000 χ^2/NDF : 9851303698.9/19

Left In: 0.950+/-0.000 χ^2/NDF : 6026595162.4/3

0.839+/-0.000 χ^2/NDF : 16796414135.4/21

0.943+/-0.000 χ^2/NDF : 15883408368.6/23

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

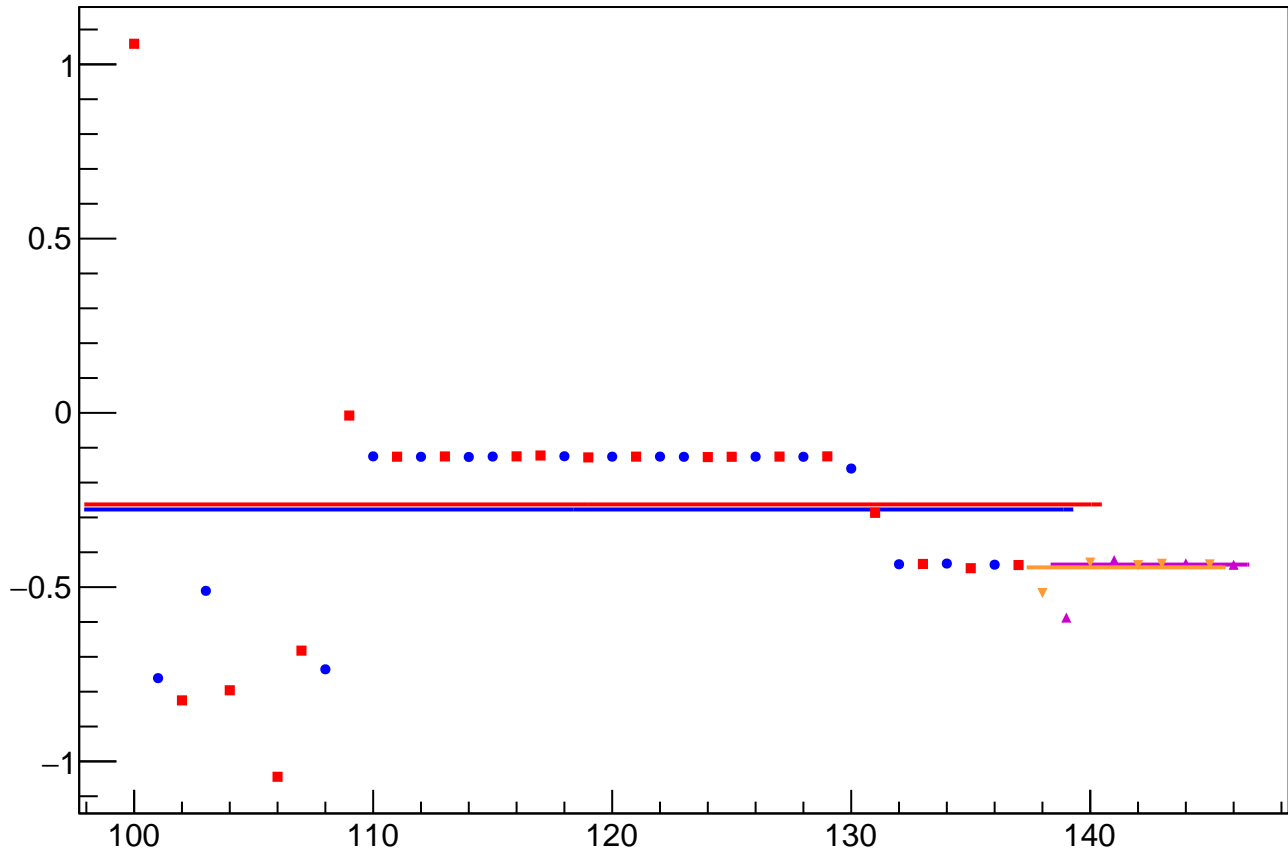
Right Out: 0.010 \pm 0.000 χ^2 /NDF: 1191429.9/19

Left In: 0.007 \pm 0.000 χ^2 /NDF:677089.1/3

0.009 \pm 0.000 χ^2 /NDF: 2198025.6/21

0.009 \pm 0.000 χ^2 /NDF: 2355719.1/23

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

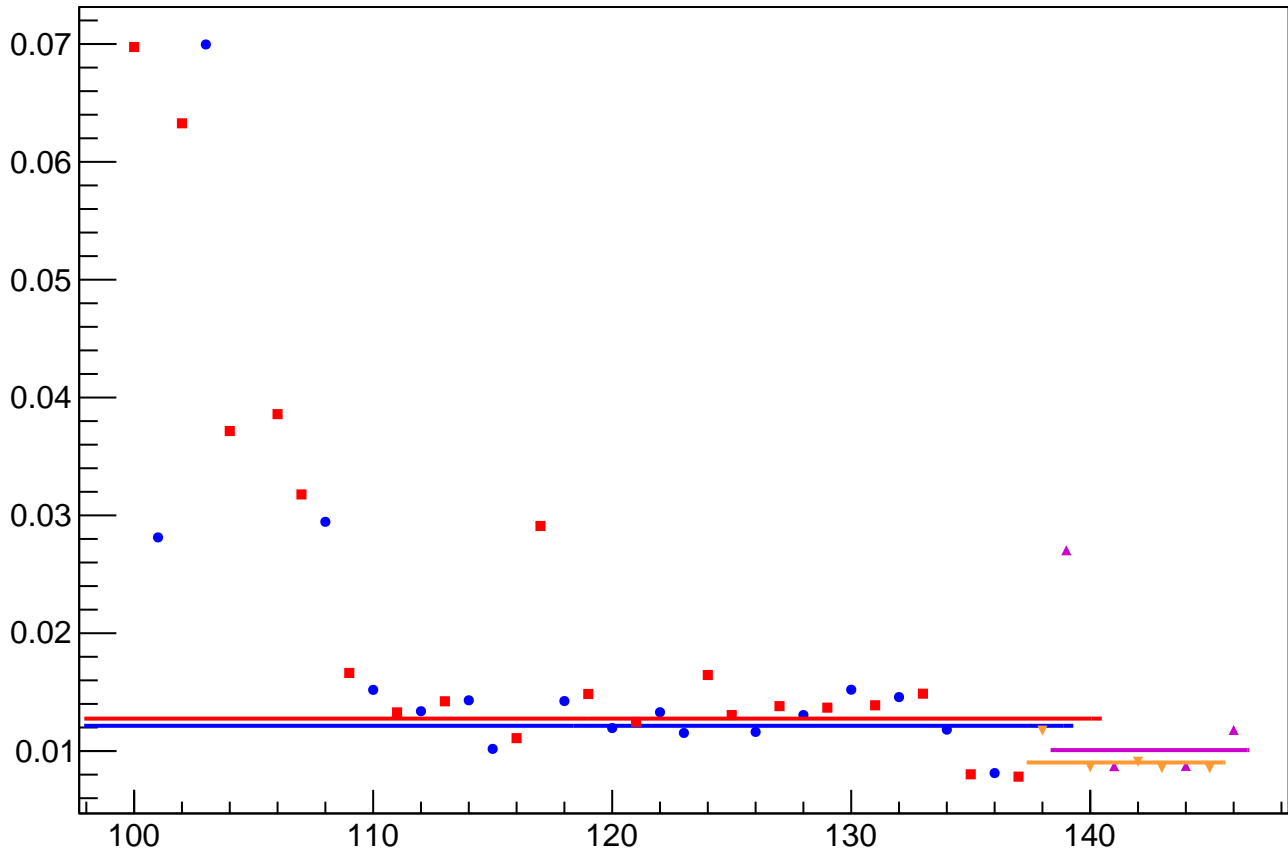
-0.357+/-0.000 χ^2/NDF : 1386131457.4/21

Right Out: -0.263+/-0.000 χ^2/NDF : 1009303829.9/19

-0.337+/-0.000 χ^2/NDF : 1417211750.2/23

Left In: -0.435+/-0.000 χ^2/NDF : 22524896.4/3

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1727494.7/16

Left Out: 0.009+/-0.000 χ^2/NDF :62115.0/4

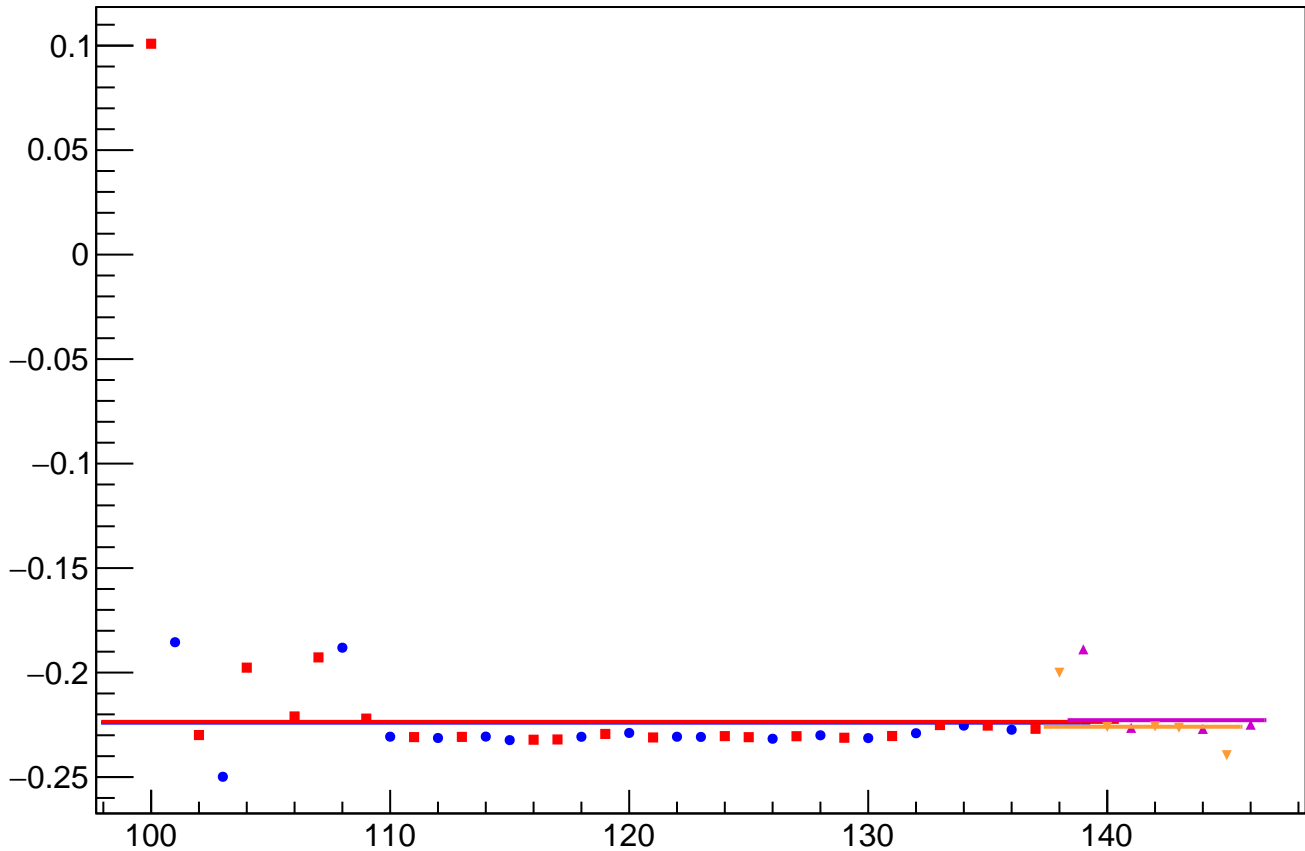
Right Out: 0.013+/-0.000 χ^2/NDF : 1993726.2/19

Left In: 0.010+/-0.000 χ^2/NDF :612708.6/3

0.011+/-0.000 χ^2/NDF : 2086132.4/21

0.012+/-0.000 χ^2/NDF : 2791321.6/23

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

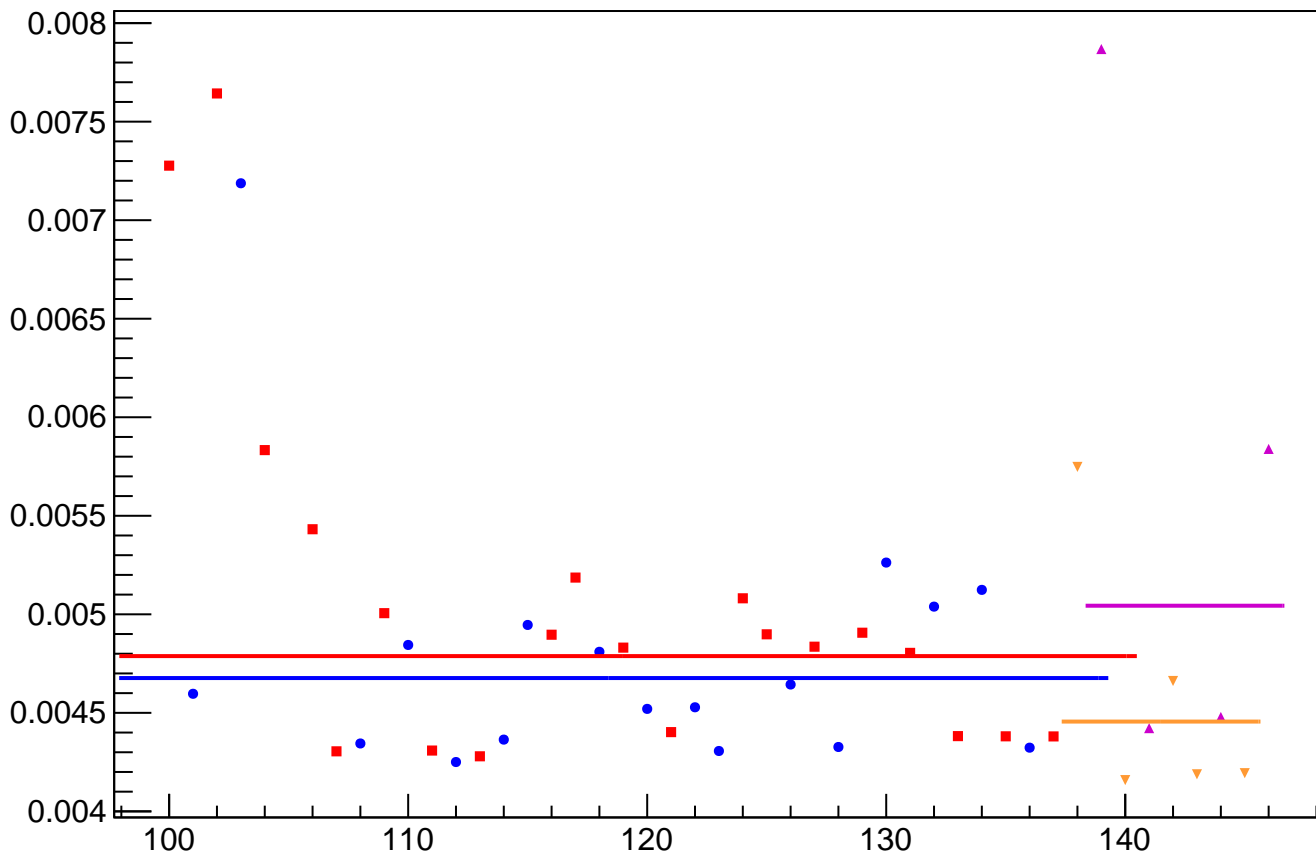
Right Out: -0.224+/-0.000 χ^2 /NDF: 168231258.4/19

Left In: -0.223+/-0.000 χ^2 /NDF: 13234515.8/3

-0.225+/-0.000 χ^2 /NDF: 95547749.3/21

-0.223+/-0.000 χ^2 /NDF: 181516900.6/23

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

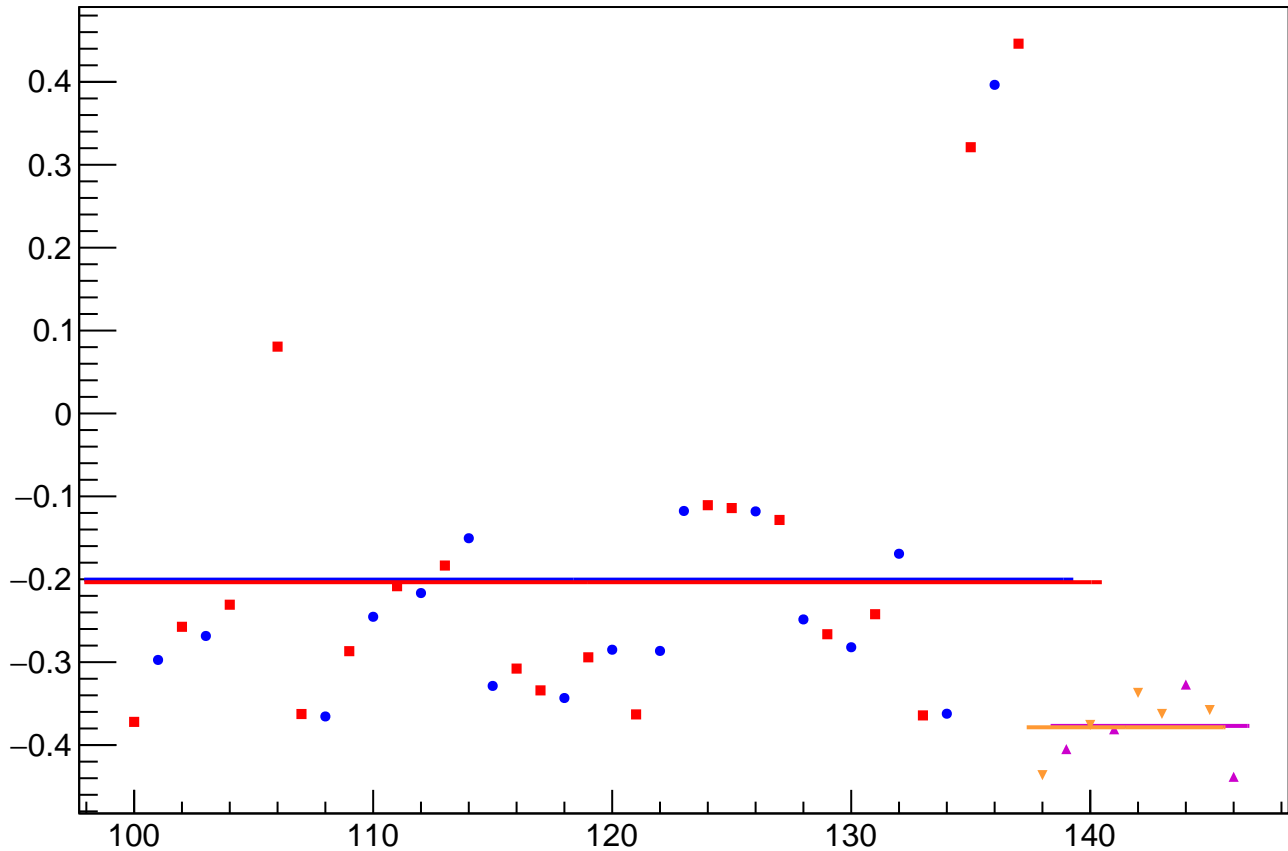
Right Out: 0.005+/-0.000 χ^2 /NDF: 248668.3/19

Left In: 0.005+/-0.000 χ^2 /NDF:247497.1/3

0.005+/-0.000 χ^2 /NDF: 276473.2/21

0.005+/-0.000 χ^2 /NDF: 506474.3/23

yield_bpm0i02X_mean vs Slug



Right In: -0.200 ± 0.000 $\chi^2/\text{NDF}: 5973556486.0/16$

Left Out: -0.379 ± 0.000 $\chi^2/\text{NDF}: 143034790.7/4$

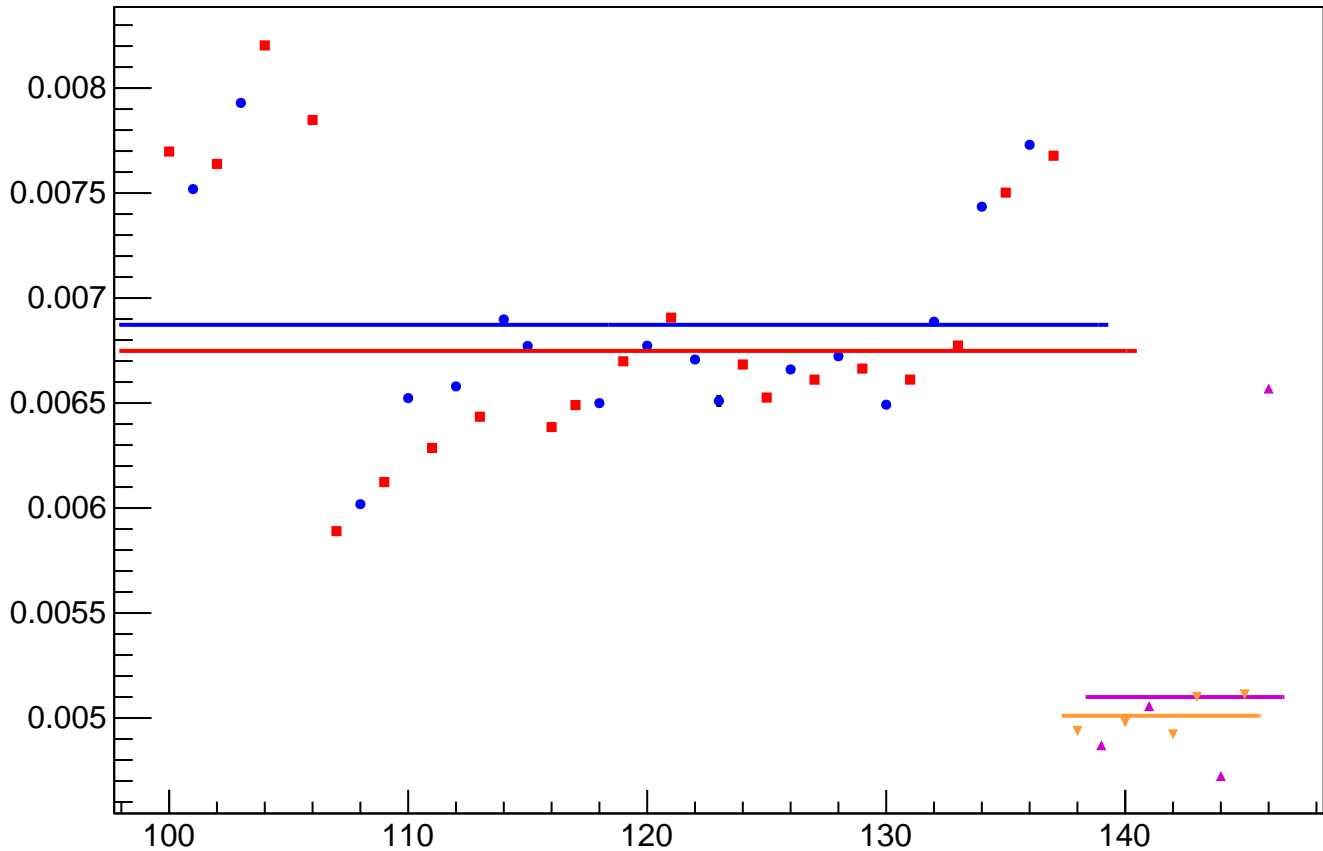
-0.285 ± 0.000 $\chi^2/\text{NDF}: 8202435023.9/21$

Right Out: -0.204 ± 0.000 $\chi^2/\text{NDF}: 5045878528.0/19$

-0.277 ± 0.000 $\chi^2/\text{NDF}: 7138101456.0/23$

Left In: -0.377 ± 0.000 $\chi^2/\text{NDF}: 167450733.1/3$

yield_bpm0i02X_rms vs Slug



Right In: 0.007 ± 0.000 $\chi^2/NDF: 78611.6/16$

Left Out: 0.005 ± 0.000 $\chi^2/NDF: 1517.1/4$

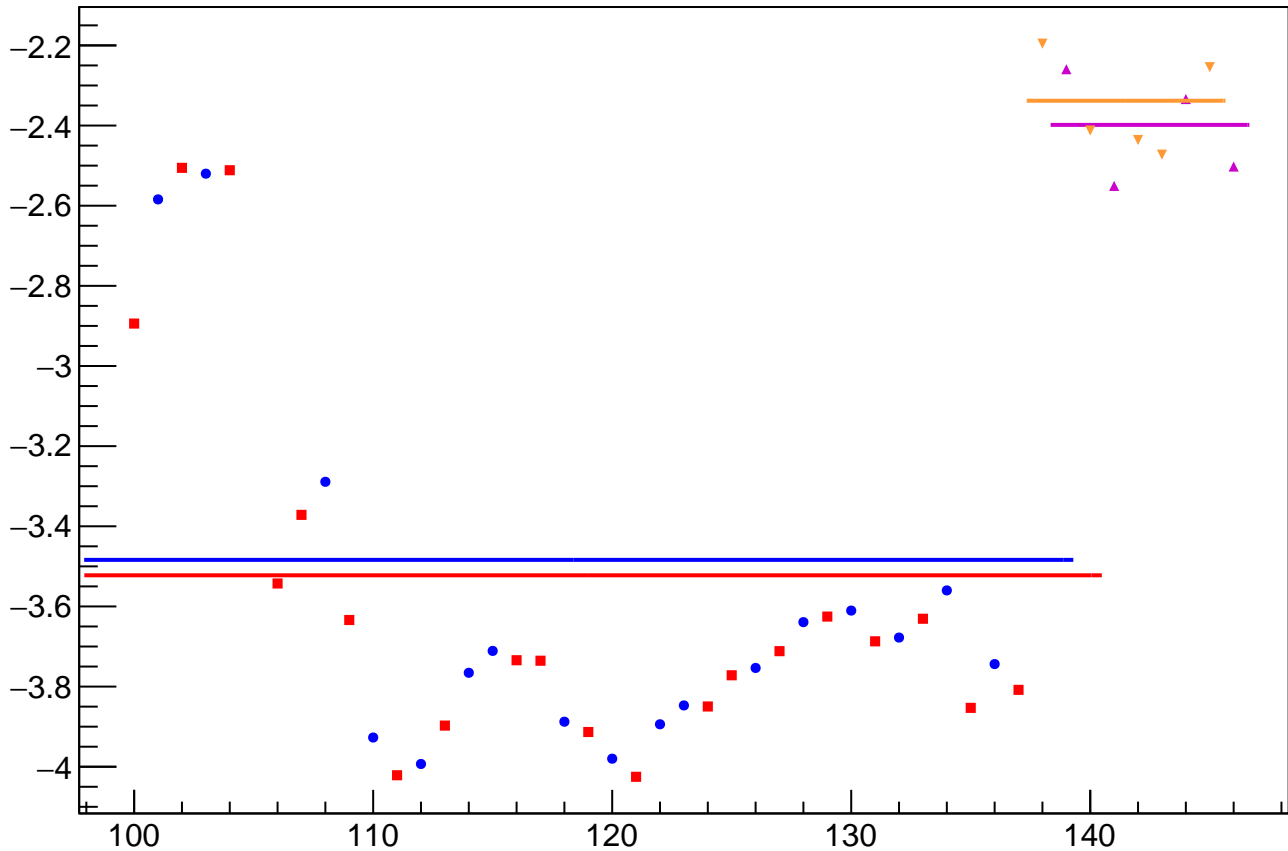
Right Out: 0.007 ± 0.000 $\chi^2/NDF: 105262.1/19$

Left In: 0.005 ± 0.000 $\chi^2/NDF: 76234.6/3$

0.006 ± 0.000 $\chi^2/NDF: 535765.2/21$

0.006 ± 0.000 $\chi^2/NDF: 529637.8/23$

yield_bpm0i02Y_mean vs Slug



Right In: -3.484 \pm 0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.338 \pm 0.000 χ^2/NDF : 376003139.4/4

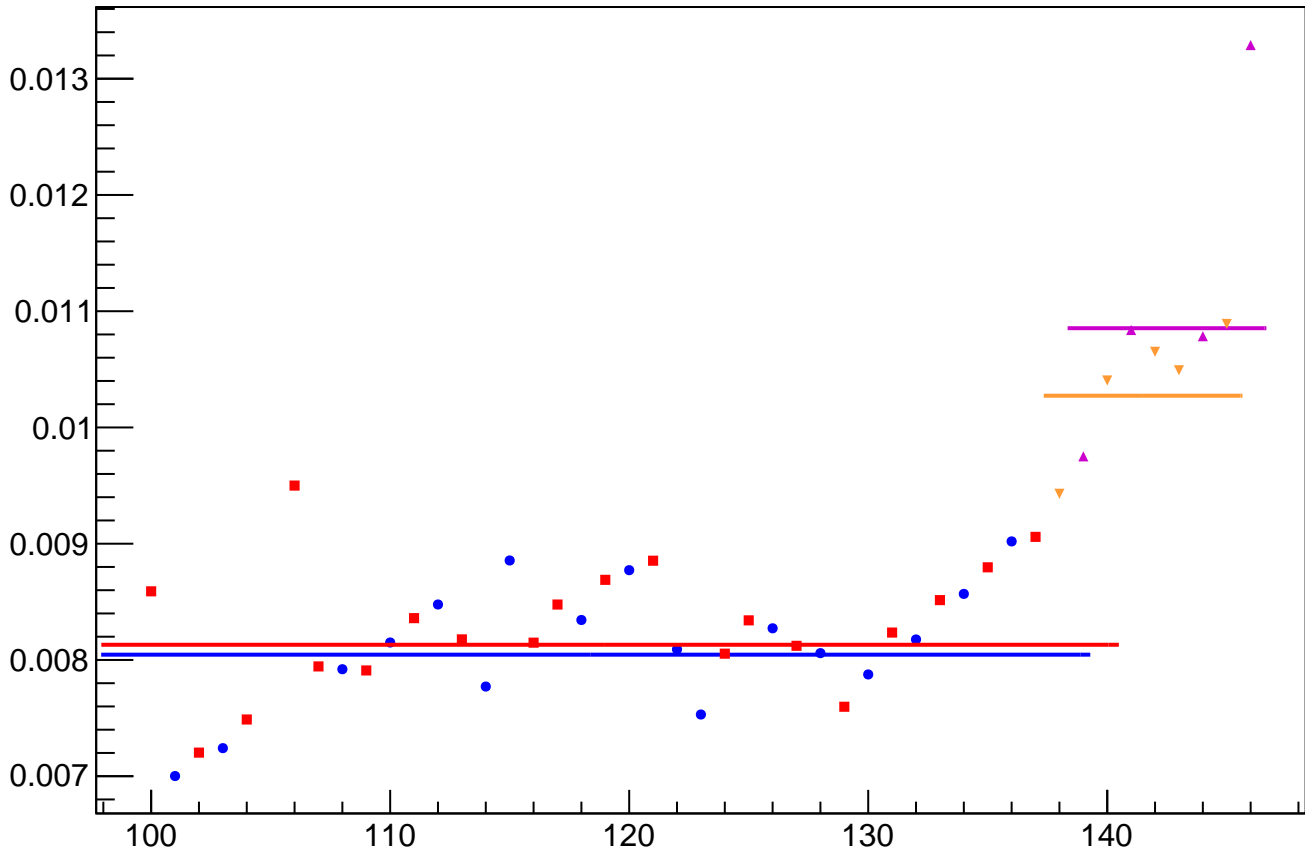
Right Out: -3.522 \pm 0.000 χ^2/NDF : 26497611752.4/19

Left In: -2.398 \pm 0.000 χ^2/NDF : 368240501.2/3

-3.221 \pm 0.000 χ^2/NDF : 57841802404.4/21

-3.305 \pm 0.000 χ^2/NDF : 52054107254.5/23

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

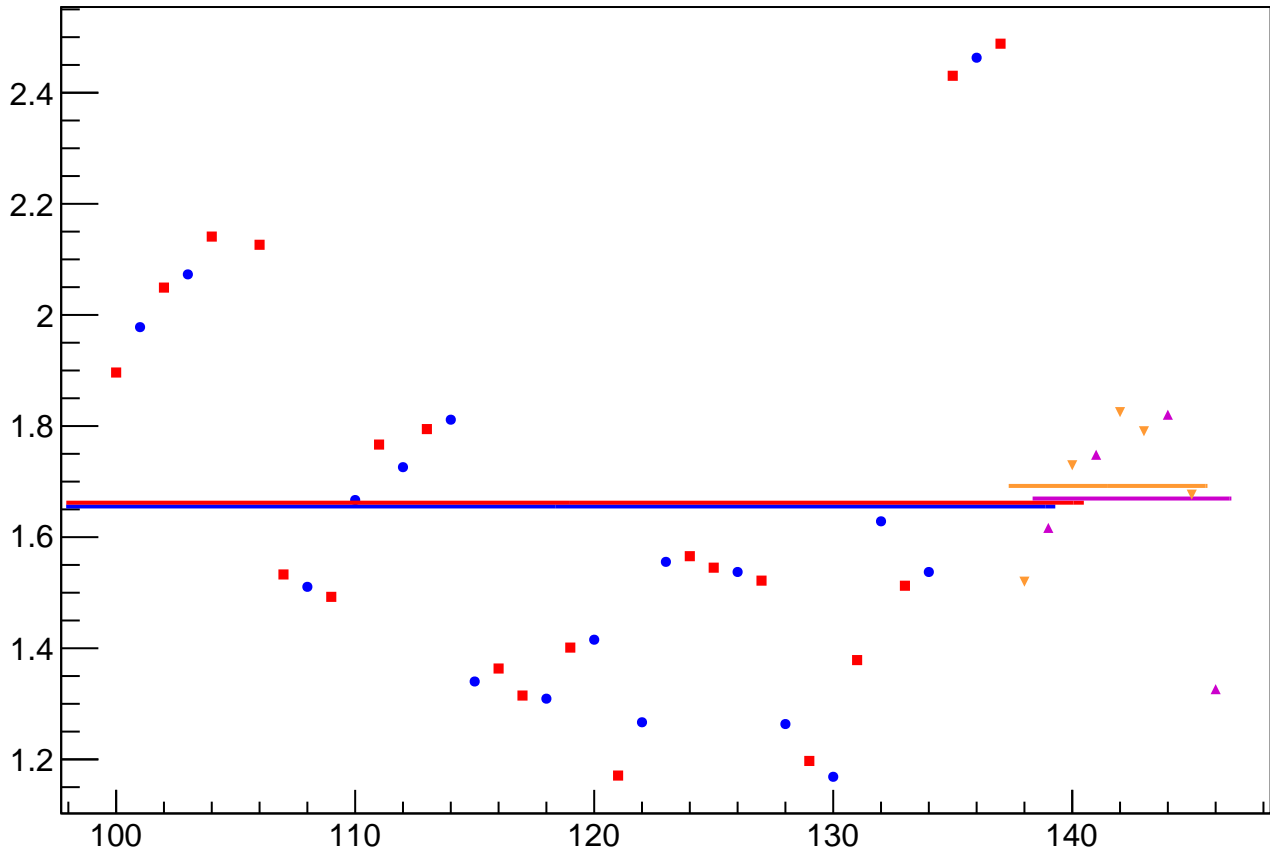
Right Out: 0.008+/-0.000 χ^2/NDF : 57613.2/19

Left In: 0.011+/-0.000 χ^2/NDF : 58244.4/3

0.009+/-0.000 χ^2/NDF : 318606.8/21

0.009+/-0.000 χ^2/NDF : 411558.0/23

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

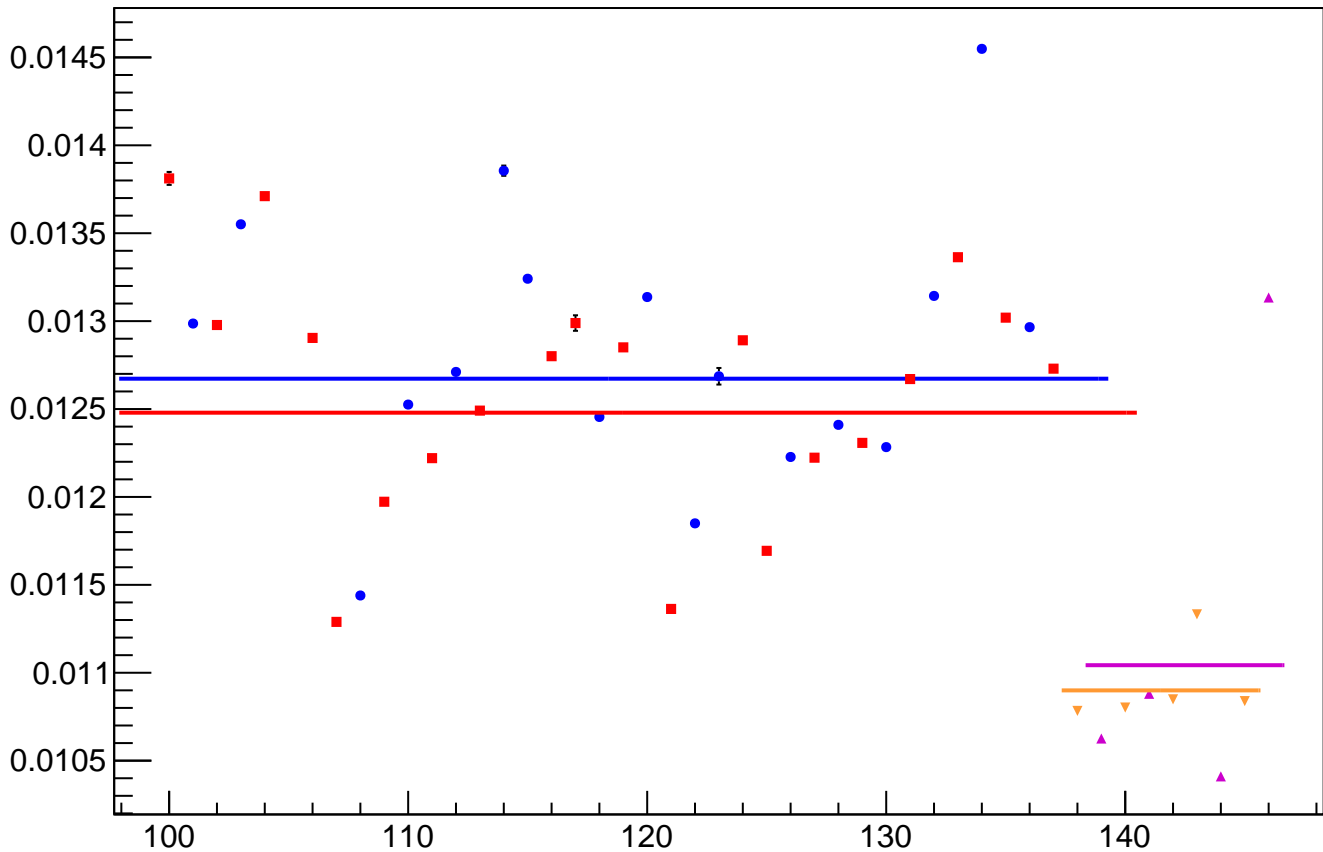
Right Out: 1.662+/-0.000 χ^2/NDF : 5975345573.0/19

Left In: 1.670+/-0.000 χ^2/NDF :709331330.9/3

1.670+/-0.000 χ^2/NDF : 6797864268.7/21

1.665+/-0.000 χ^2/NDF : 6685559329.7/23

yield_bpm0i02aX_rms vs Slug



Right In: 0.013 +/- 0.000 $\chi^2/\text{NDF}: 31801.3/16$

Left Out: 0.011 +/- 0.000 $\chi^2/\text{NDF}: 2021.4/4$

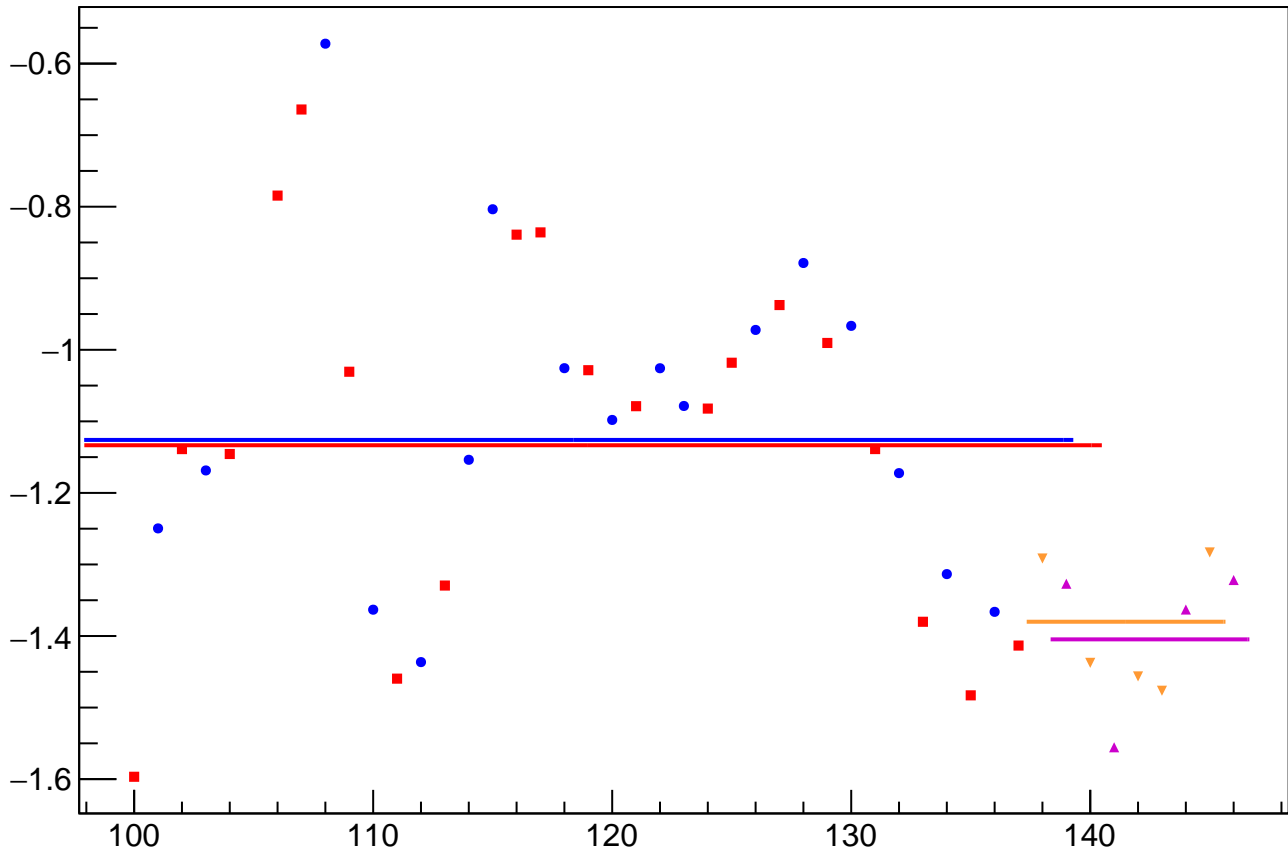
Right Out: 0.012 +/- 0.000 $\chi^2/\text{NDF}: 39268.9/19$

Left In: 0.011 +/- 0.000 $\chi^2/\text{NDF}: 43884.8/3$

0.012 +/- 0.000 $\chi^2/\text{NDF}: 135912.1/21$

0.012 +/- 0.000 $\chi^2/\text{NDF}: 148539.1/23$

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

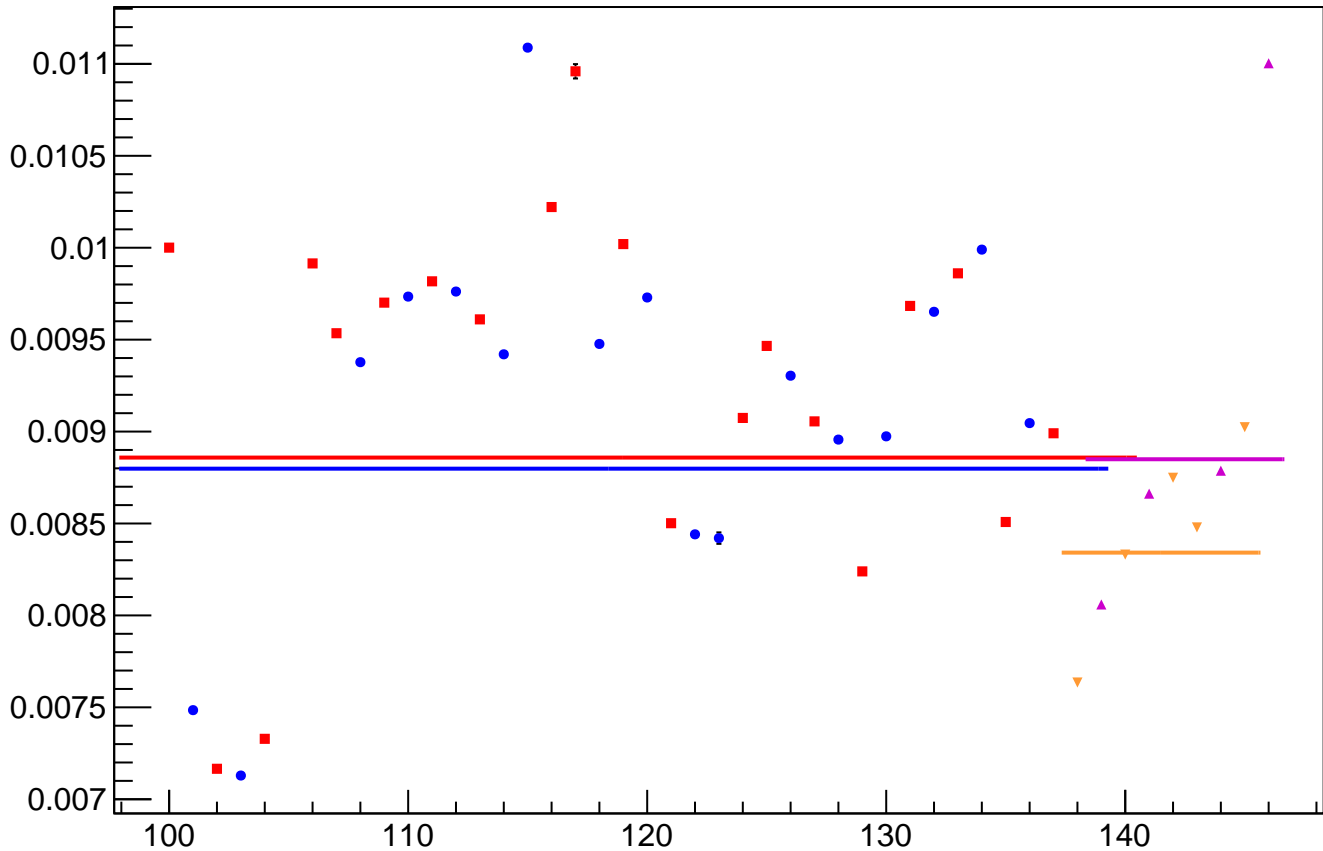
Right Out: -1.133+/-0.000 χ^2/NDF : 3706528266.7/19

Left In: -1.405+/-0.000 χ^2/NDF : 364954243.2/3

-1.215+/-0.000 χ^2/NDF : 5760631076.3/21

-1.216+/-0.000 χ^2/NDF : 5962622594.7/23

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

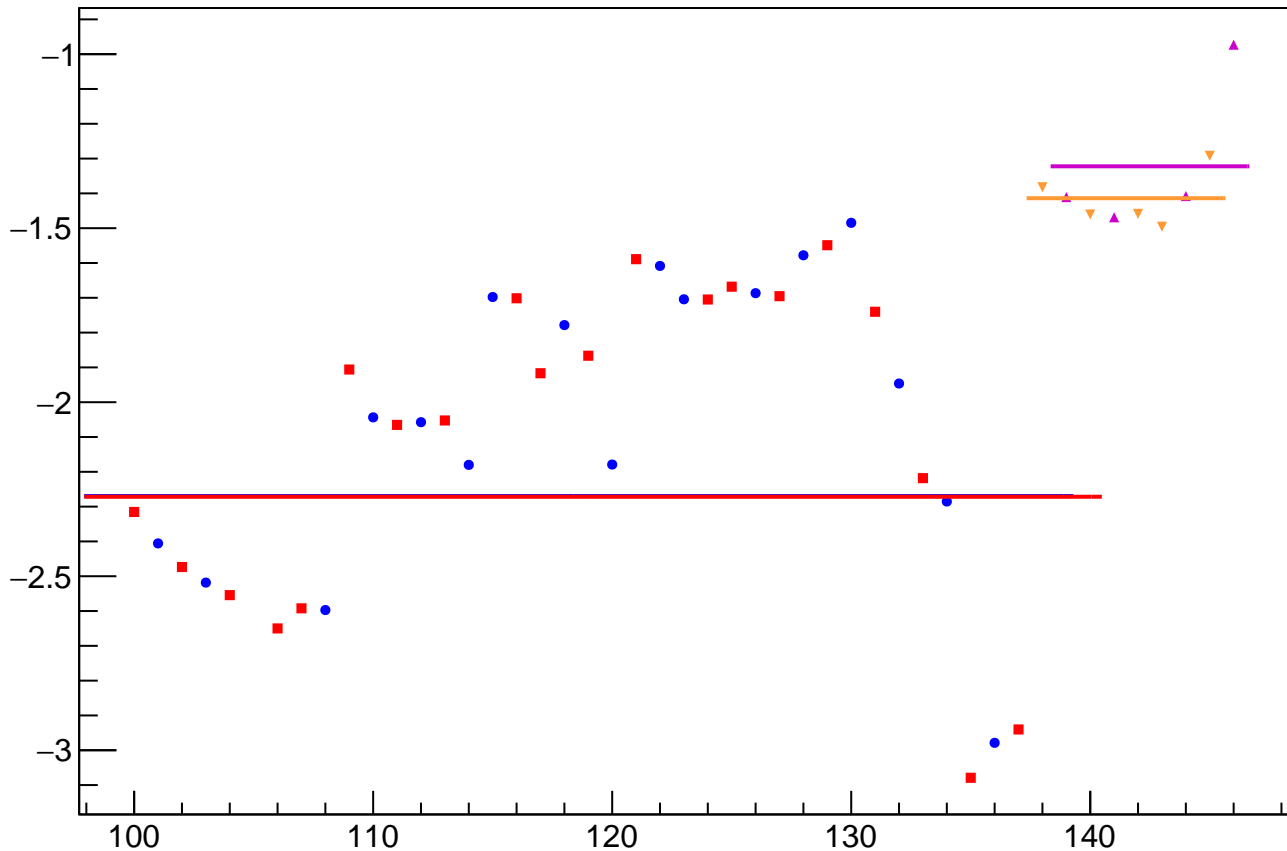
Right Out: 0.009+/-0.000 χ^2 /NDF: 176858.0/19

Left In: 0.009+/-0.000 χ^2 /NDF:60280.9/3

0.009+/-0.000 χ^2 /NDF: 185253.0/21

0.009+/-0.000 χ^2 /NDF: 237143.2/23

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

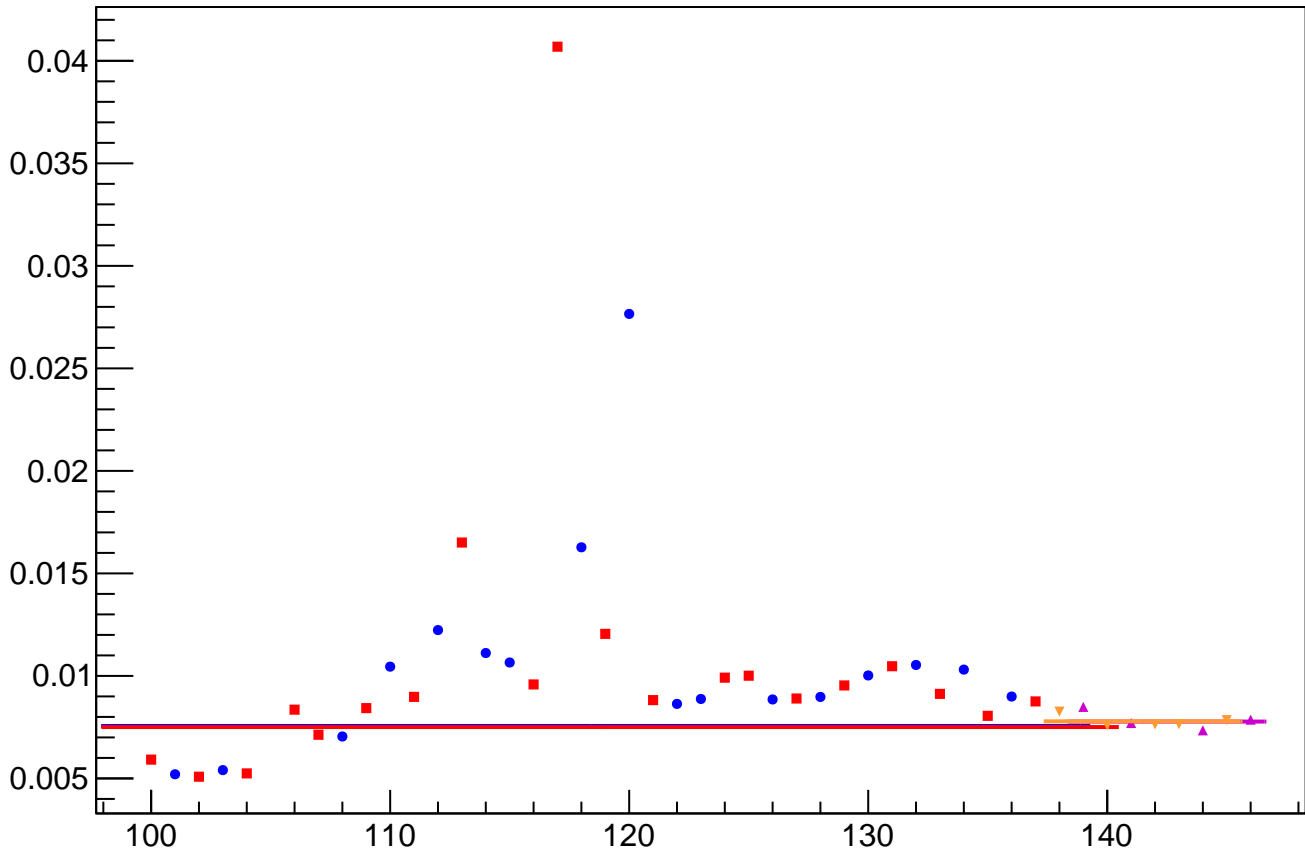
-1.958+/-0.000 χ^2/NDF : 41170077503.9/21

Right Out: -2.272+/-0.000 χ^2/NDF : 19012236430.2/19

-1.957+/-0.000 χ^2/NDF : 50703559677.6/23

Left In: -1.322+/-0.000 χ^2/NDF : 1907059309.1/3

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

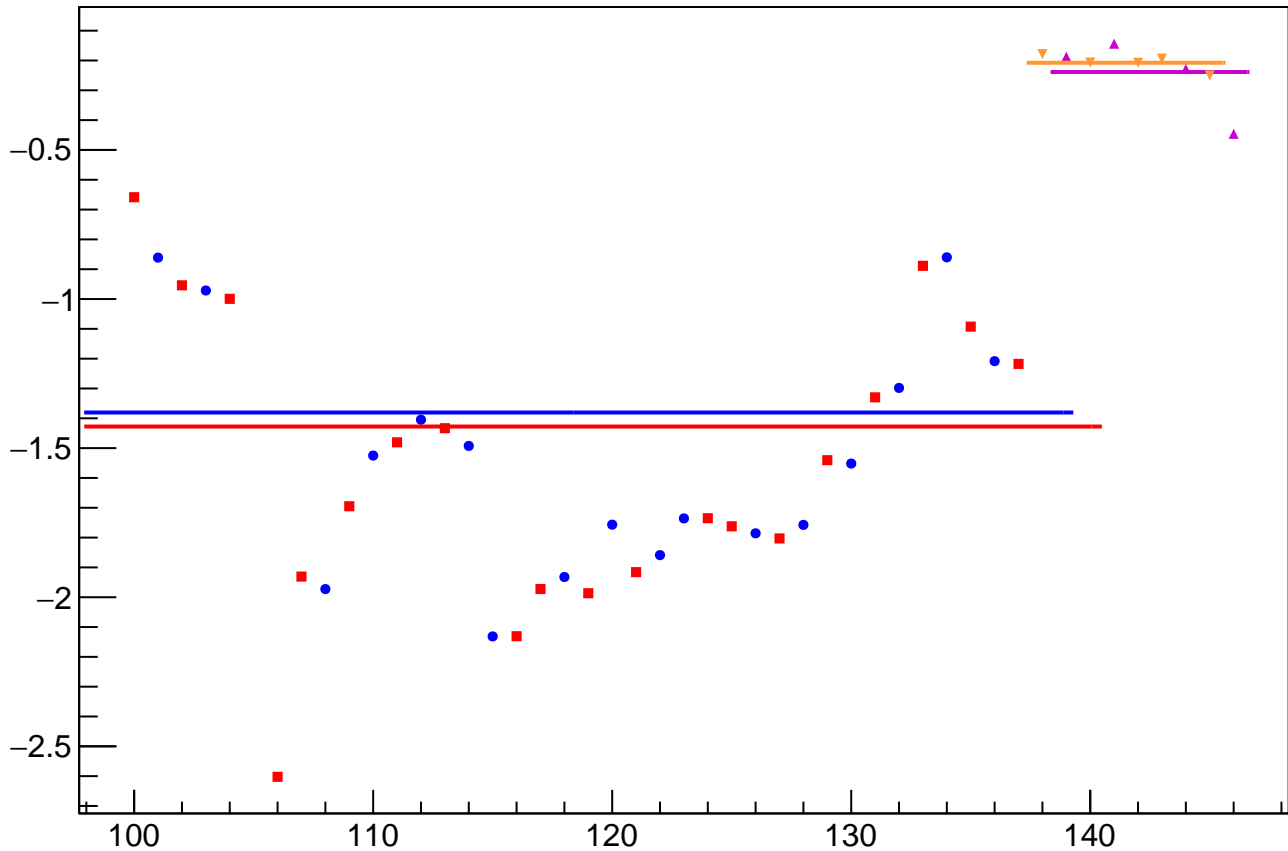
Right Out: 0.008+/-0.000 χ^2 /NDF: 984811.6/19

Left In: 0.008+/-0.000 χ^2 /NDF:14902.3/3

0.008+/-0.000 χ^2 /NDF: 1230301.7/21

0.008+/-0.000 χ^2 /NDF: 1004408.4/23

yield_bpm0i05Y_mean vs Slug



Right In: -1.381 ± 0.000 $\chi^2/\text{NDF}: 20001018652.5/16$

Left Out: -0.208 ± 0.000 $\chi^2/\text{NDF}: 116031748.3/4$

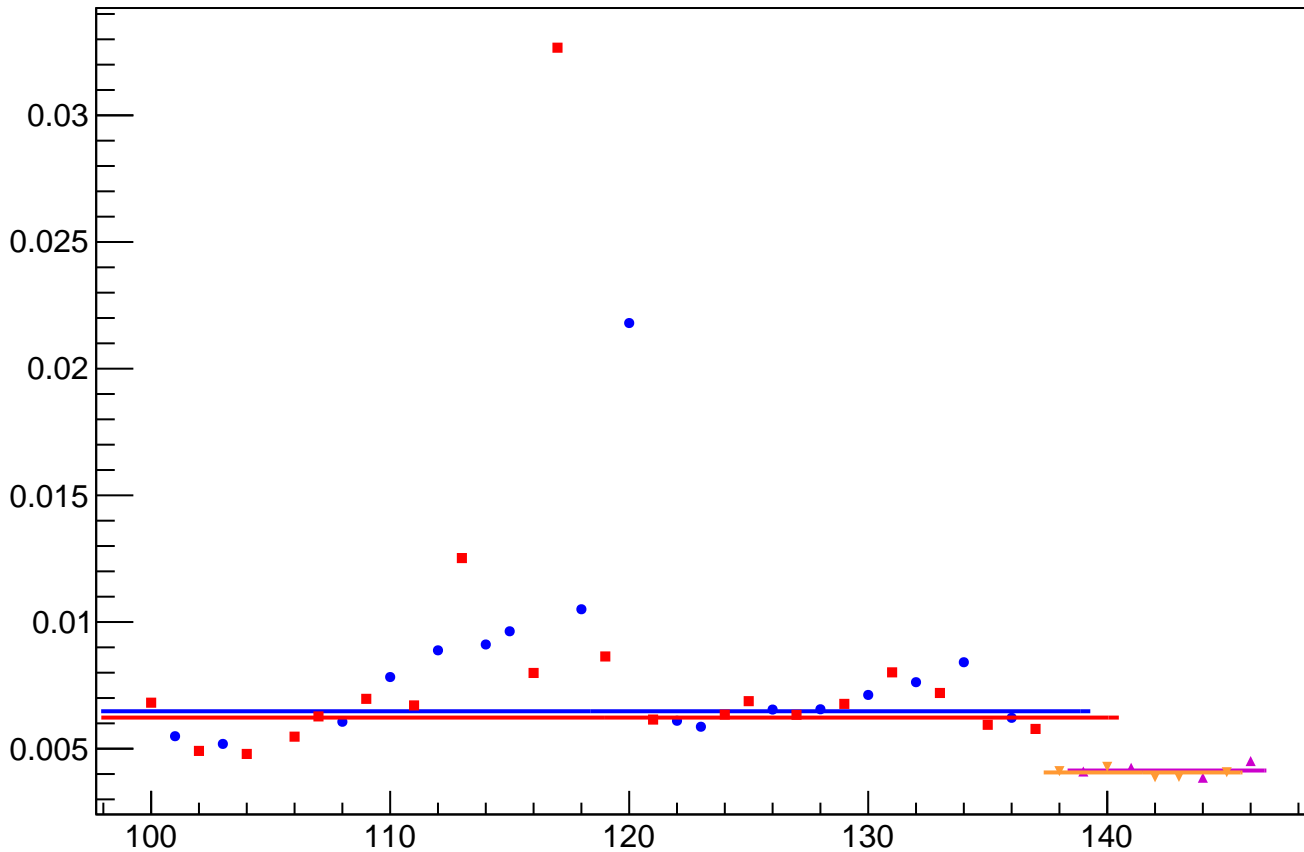
-0.690 ± 0.000 $\chi^2/\text{NDF}: 125274405864.1/21$

Right Out: -1.428 ± 0.000 $\chi^2/\text{NDF}: 29626603581.6/19$

-0.802 ± 0.000 $\chi^2/\text{NDF}: 144592870442.3/23$

Left In: -0.239 ± 0.000 $\chi^2/\text{NDF}: 1891412000.9/3$

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

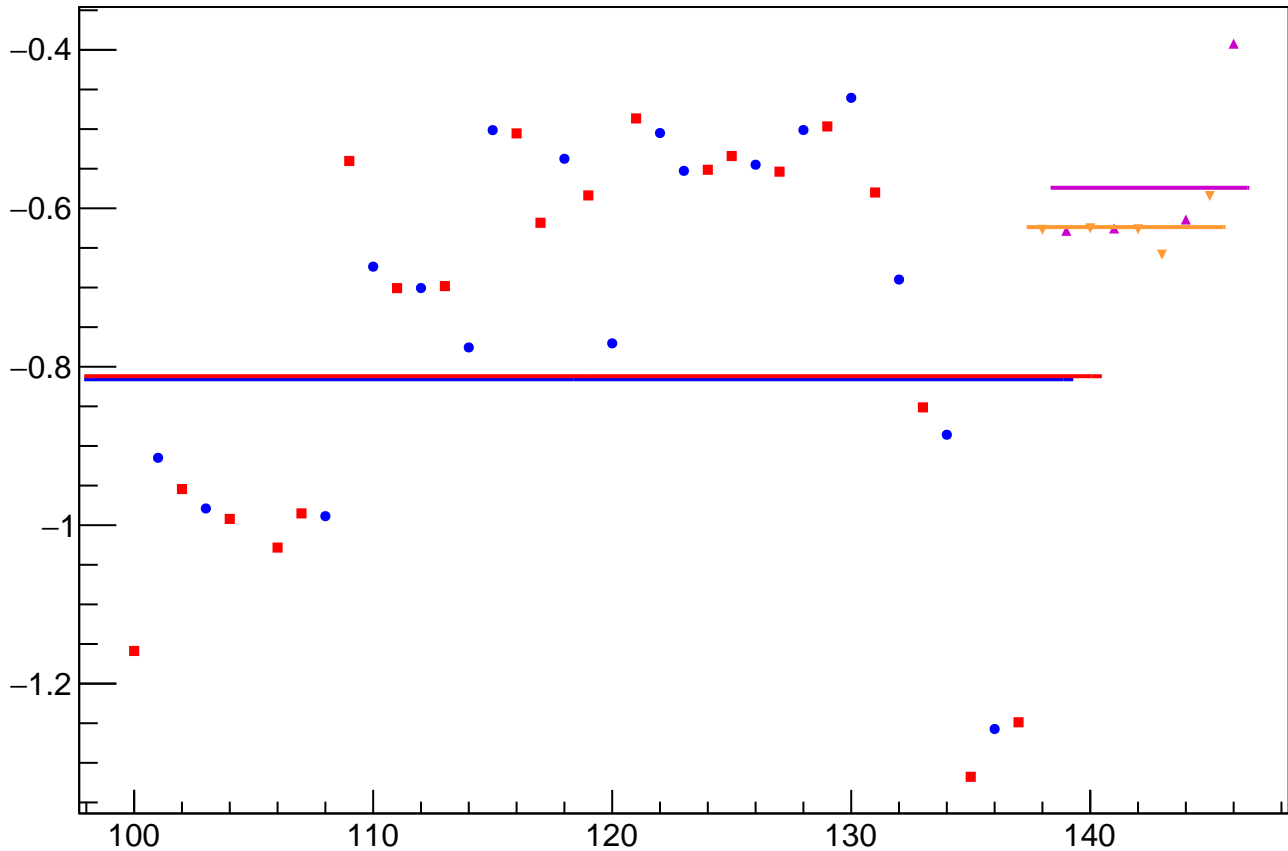
Right Out: 0.006+/-0.000 χ^2/NDF : 472534.6/19

Left In: 0.004+/-0.000 χ^2/NDF :18932.4/3

0.005+/-0.000 χ^2/NDF : 1472926.5/21

0.005+/-0.000 χ^2/NDF : 1190242.6/23

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

-0.748+/-0.000 χ^2/NDF : 16785321652.1/21

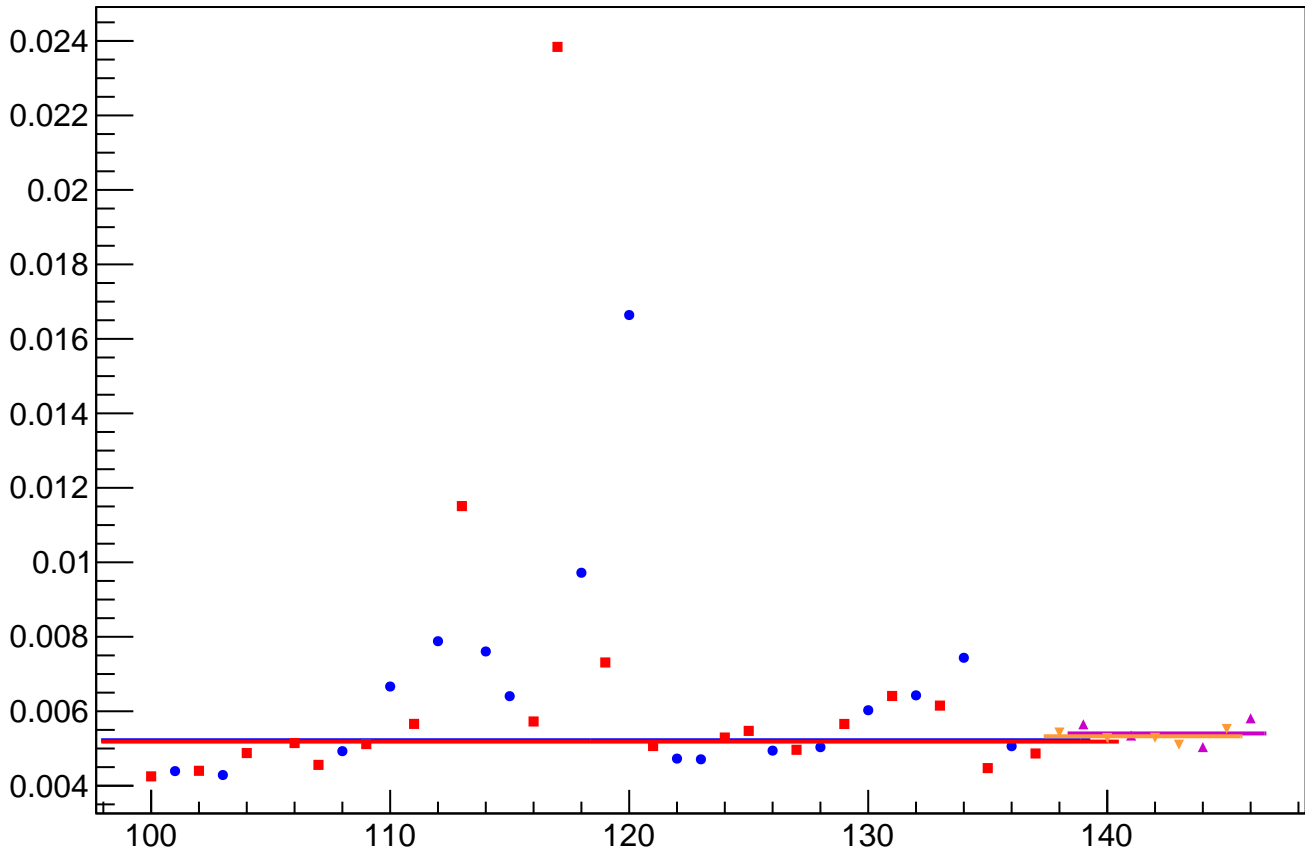
Left Out: -0.624+/-0.000 χ^2/NDF : 61627249.2/4

Right Out: -0.812+/-0.000 χ^2/NDF : 16818378599.3/19

-0.737+/-0.000 χ^2/NDF : 21628662371.6/23

Left In: -0.574+/-0.000 χ^2/NDF : 878833244.6/3

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

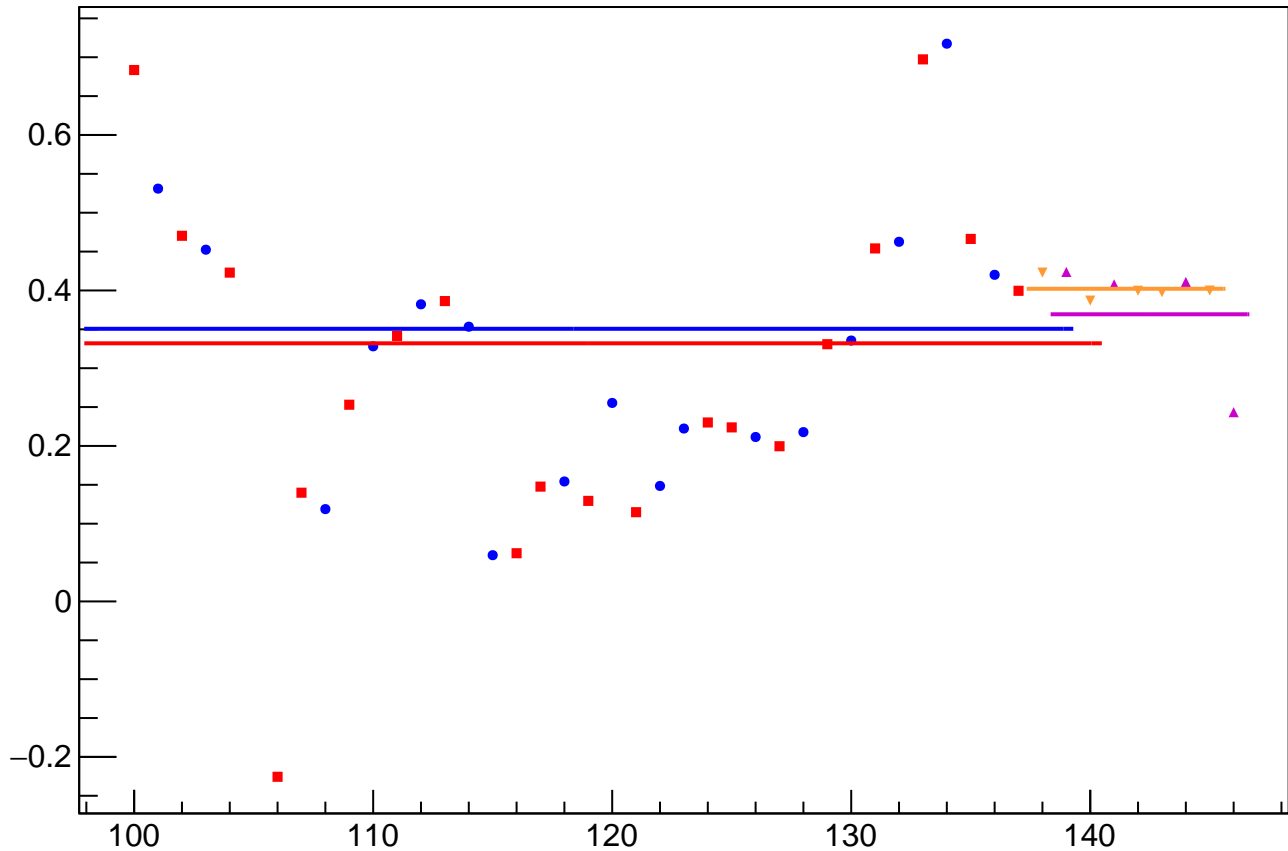
Right Out: 0.005+/-0.000 χ^2 /NDF: 410640.5/19

Left In: 0.005+/-0.000 χ^2 /NDF:18090.3/3

0.005+/-0.000 χ^2 /NDF: 670509.0/21

0.005+/-0.000 χ^2 /NDF: 435405.6/23

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

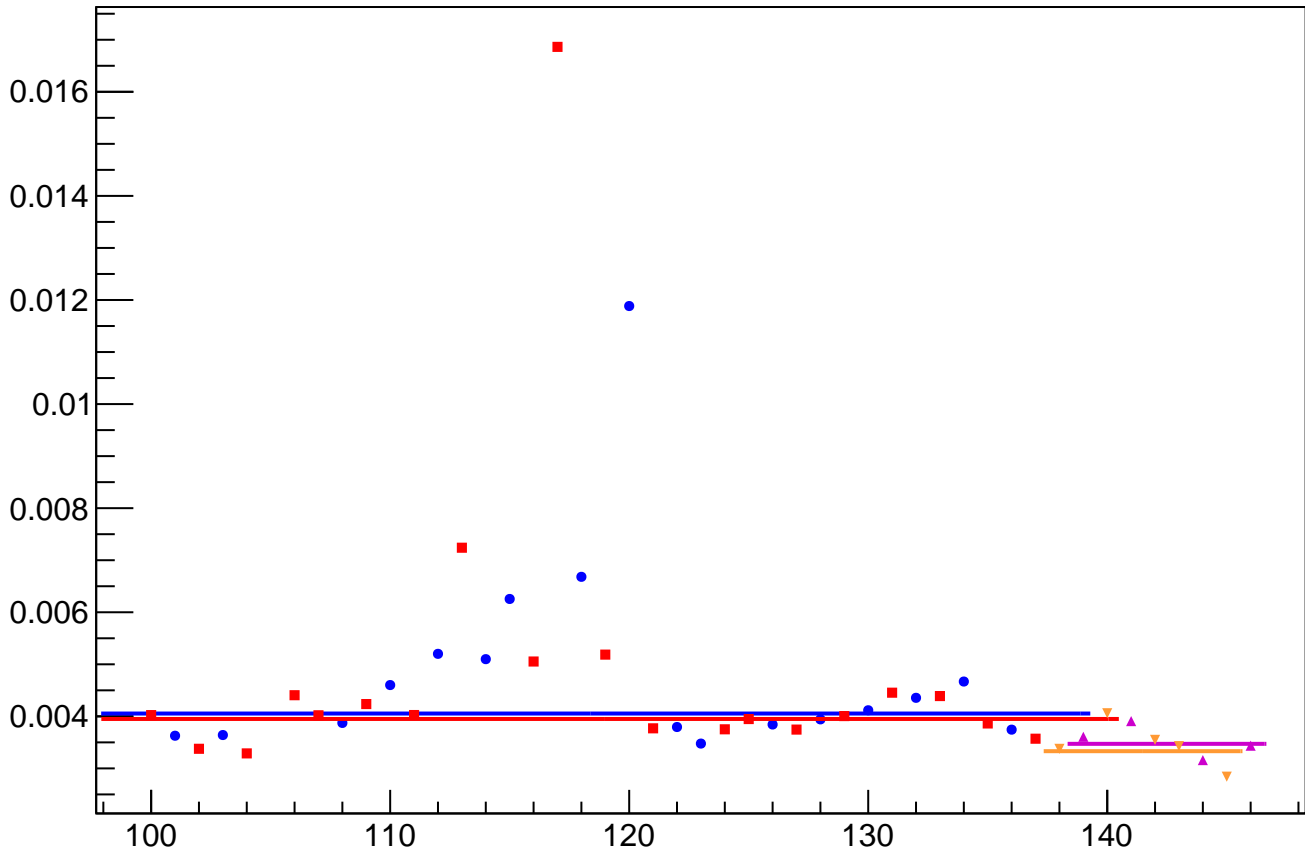
0.372+/-0.000 χ^2/NDF : 7820955708.2/21

Right Out: 0.332+/-0.000 χ^2/NDF : 11800695210.2/19

0.345+/-0.000 χ^2/NDF : 13220655441.8/23

Left In: 0.369+/-0.000 χ^2/NDF :1223628691.1/3

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

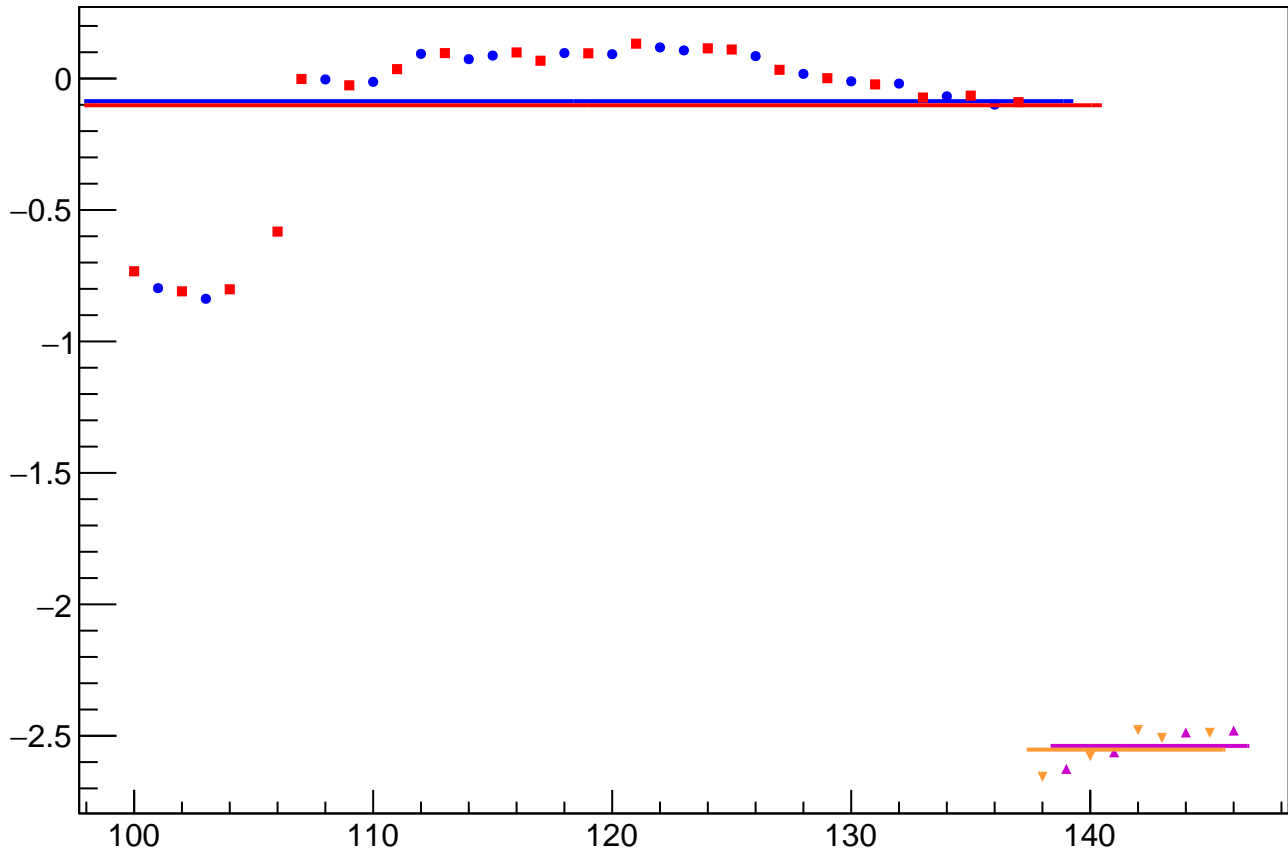
Right Out: 0.004+/-0.000 χ^2/NDF : 304954.7/19

Left In: 0.003+/-0.000 χ^2/NDF :33955.0/3

0.004+/-0.000 χ^2/NDF : 689786.7/21

0.004+/-0.000 χ^2/NDF : 403325.9/23

yield_bpm1i02X_mean vs Slug



Right In: -0.086 ± 0.000 $\chi^2/\text{NDF}: 4989387592.7/16$

Left Out: -2.552 ± 0.000 $\chi^2/\text{NDF}: 82762737.4/4$

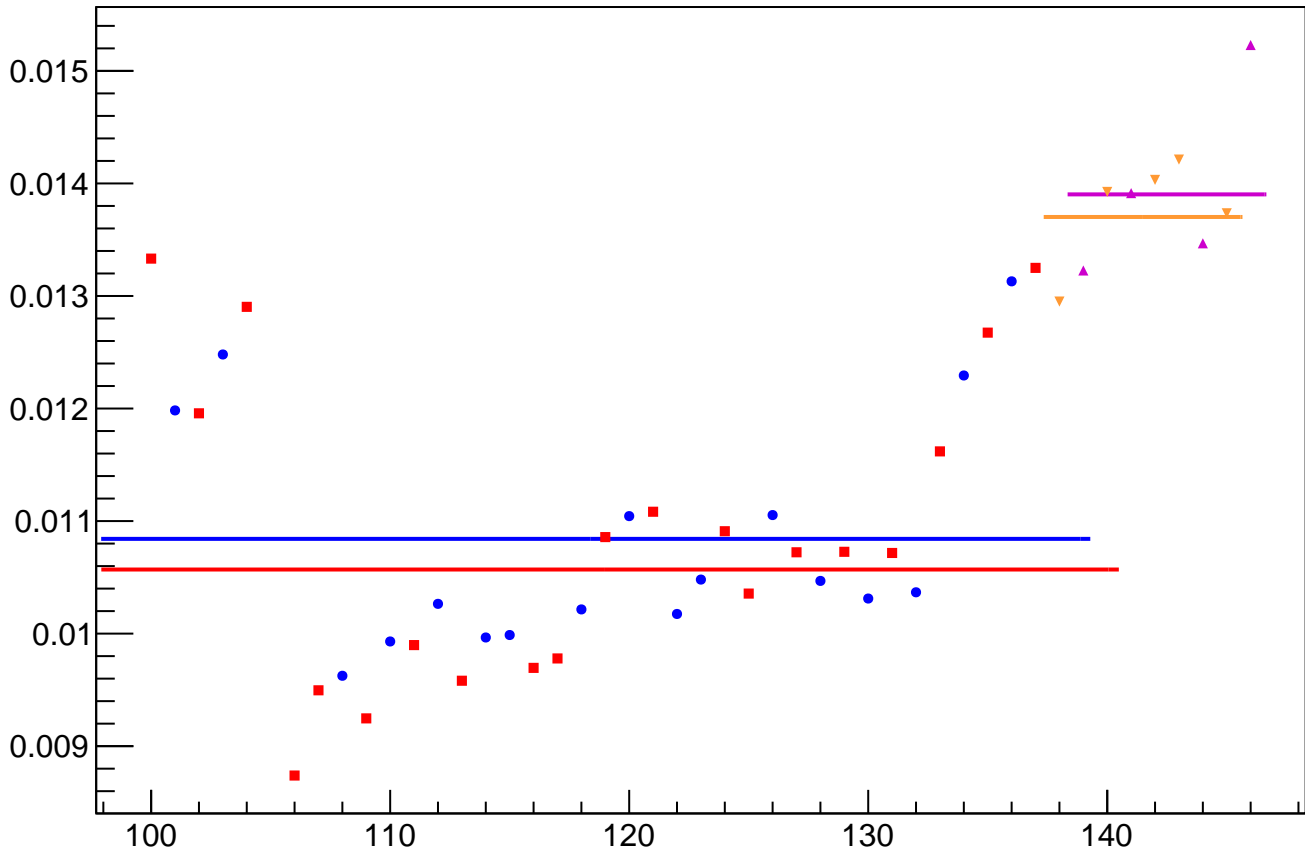
-0.670 ± 0.000 $\chi^2/\text{NDF}: 86462181702.1/21$

Right Out: -0.102 ± 0.000 $\chi^2/\text{NDF}: 5566142794.2/19$

-0.604 ± 0.000 $\chi^2/\text{NDF}: 82904921328.1/23$

Left In: -2.538 ± 0.000 $\chi^2/\text{NDF}: 56344158.4/3$

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2 /NDF: 124260.3/16

0.012+/-0.000 χ^2 /NDF: 350448.3/21

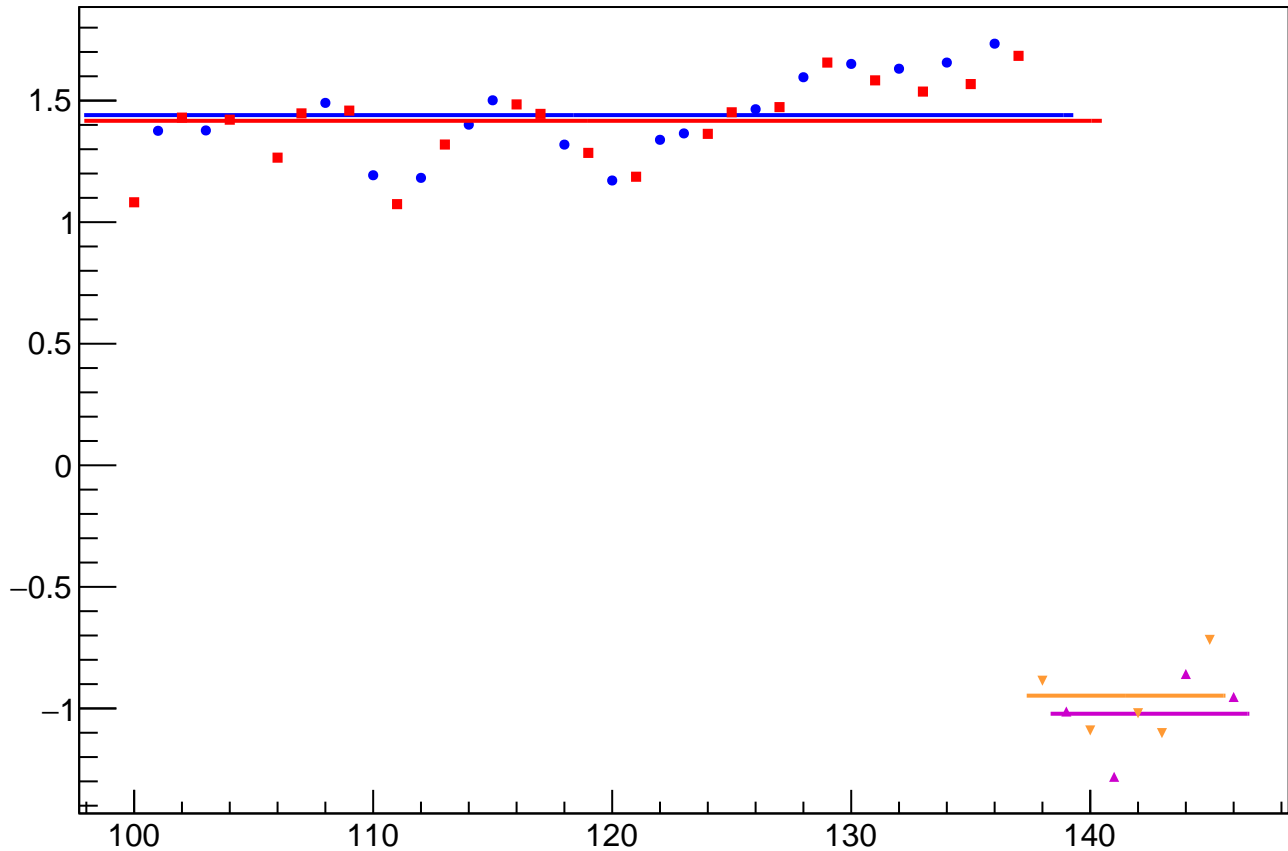
Left Out: 0.014+/-0.000 χ^2 /NDF:7281.7/4

Right Out: 0.011+/-0.000 χ^2 /NDF: 179537.7/19

0.011+/-0.000 χ^2 /NDF: 486332.4/23

Left In: 0.014+/-0.000 χ^2 /NDF:17565.0/3

yield_bpm1i02Y_mean vs Slug



Right In: 1.440+/-0.000 χ^2/NDF : 3449252780.8/16

Left Out: -0.947+/-0.000 χ^2/NDF : 685395977.1/4

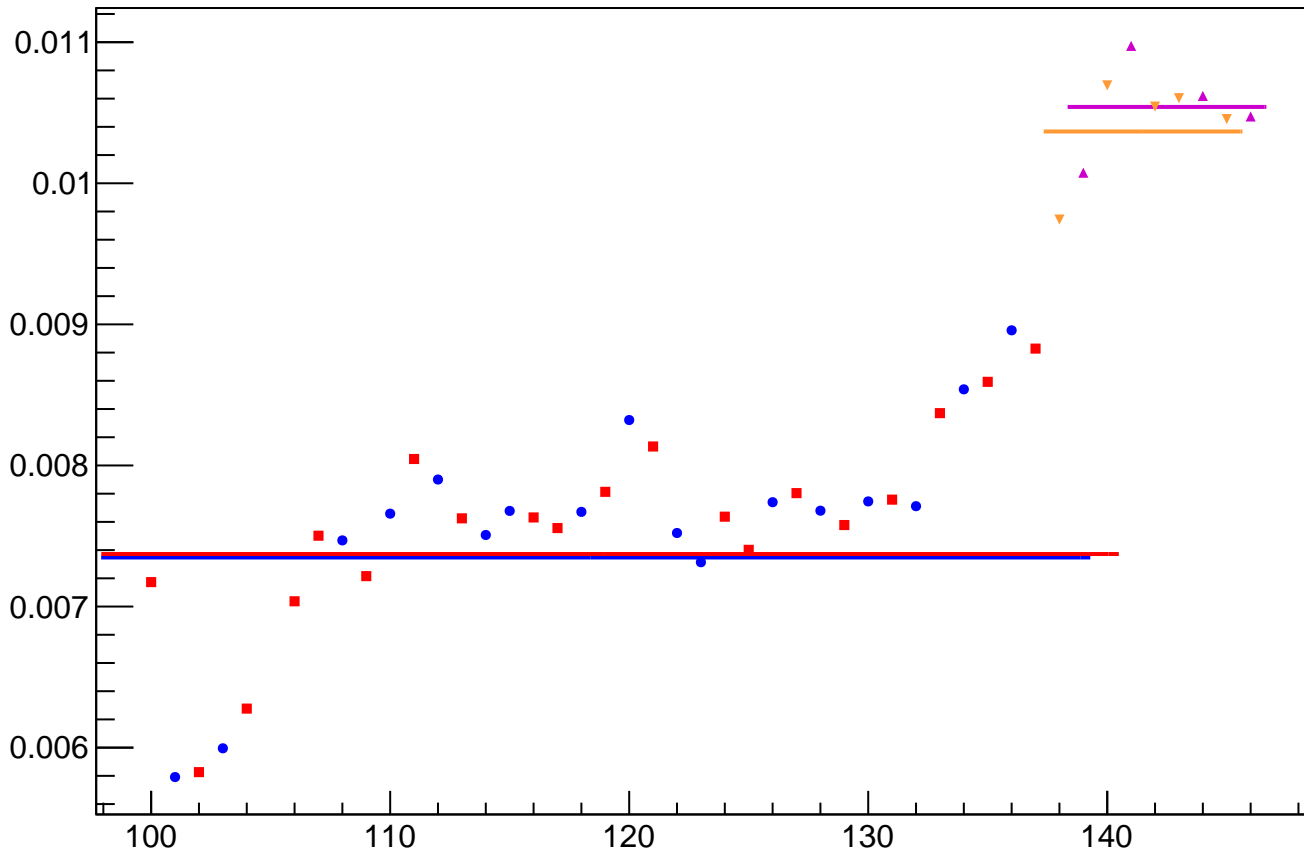
Right Out: 1.417+/-0.000 χ^2/NDF : 2674679406.4/19

Left In: -1.022+/-0.000 χ^2/NDF : 708469412.8/3

0.959+/-0.000 χ^2/NDF : 144291536170.9/21

0.977+/-0.000 χ^2/NDF : 142873302118.7/23

yield_bpm1i02Y_rms vs Slug



Right In: 0.007 \pm 0.000 χ^2/NDF : 228163.6/16

Left Out: 0.010 \pm 0.000 χ^2/NDF : 8423.8/4

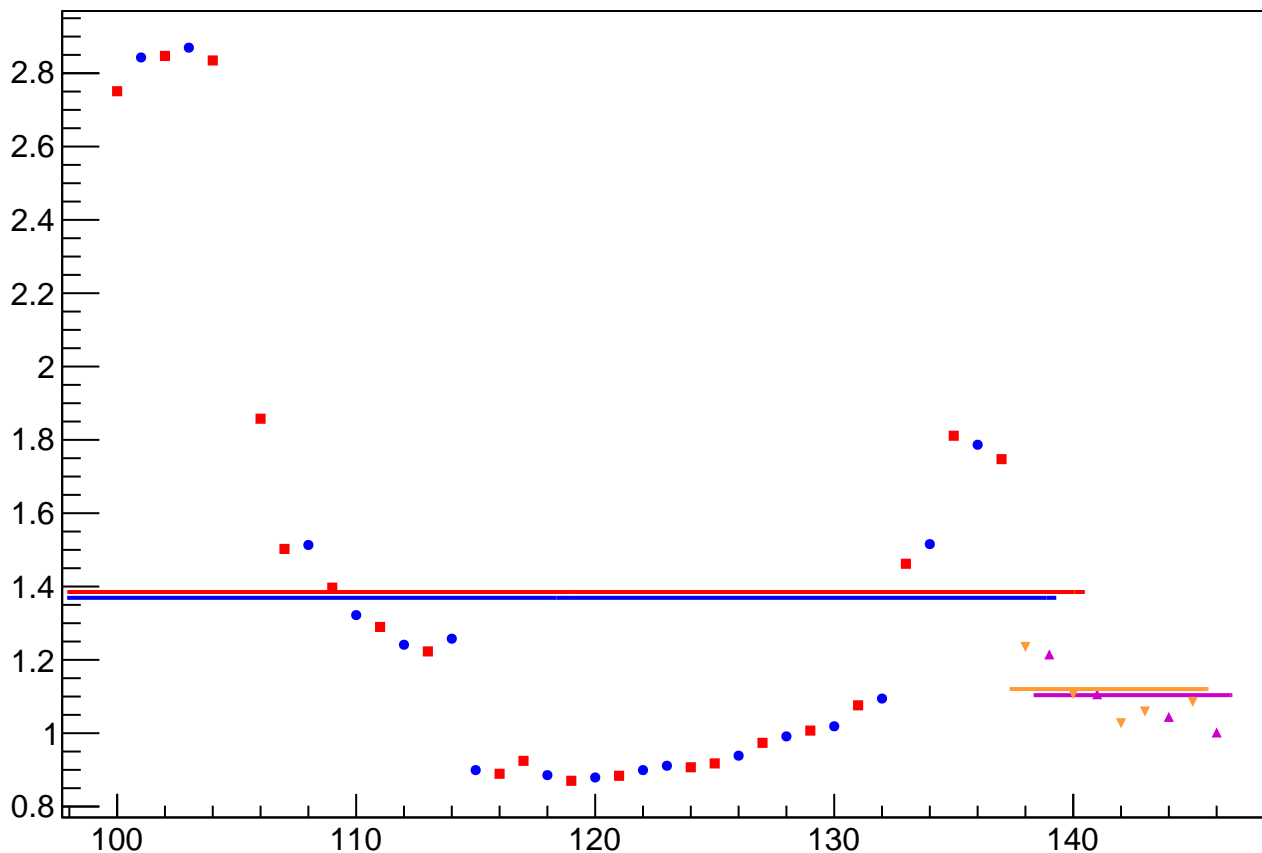
Right Out: 0.007 \pm 0.000 χ^2/NDF : 172741.0/19

Left In: 0.011 \pm 0.000 χ^2/NDF : 5683.3/3

0.008 \pm 0.000 χ^2/NDF : 684791.9/21

0.008 \pm 0.000 χ^2/NDF : 649469.3/23

yield_bpm1i04X_mean vs Slug



Right In: 1.369 ± 0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.120 ± 0.000 χ^2/NDF : 267262795.6/4

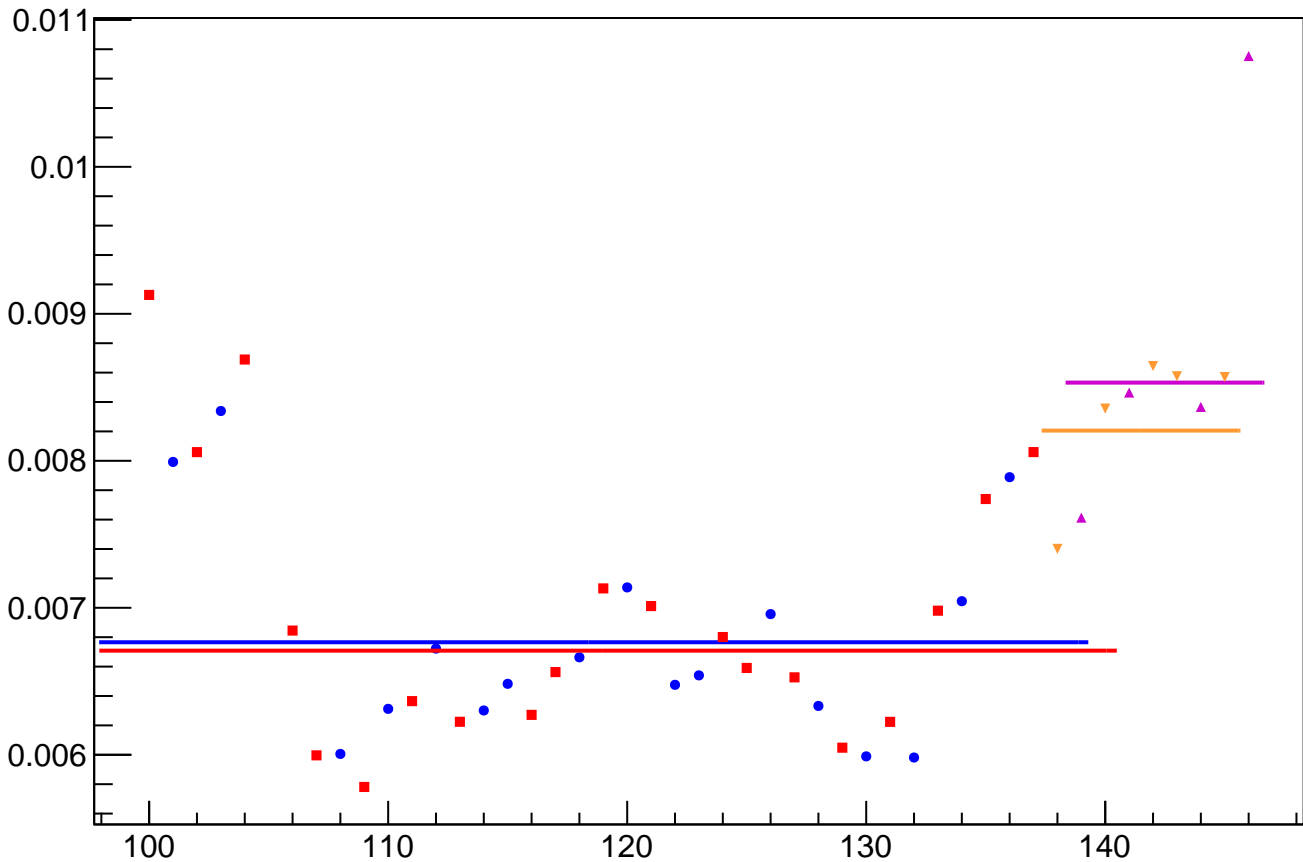
1.307 ± 0.000 χ^2/NDF : 56693854064.6/21

Right Out: 1.385 ± 0.000 χ^2/NDF : 50114562617.6/19

1.326 ± 0.000 χ^2/NDF : 52952191311.7/23

Left In: 1.104 ± 0.000 χ^2/NDF : 249024320.1/3

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

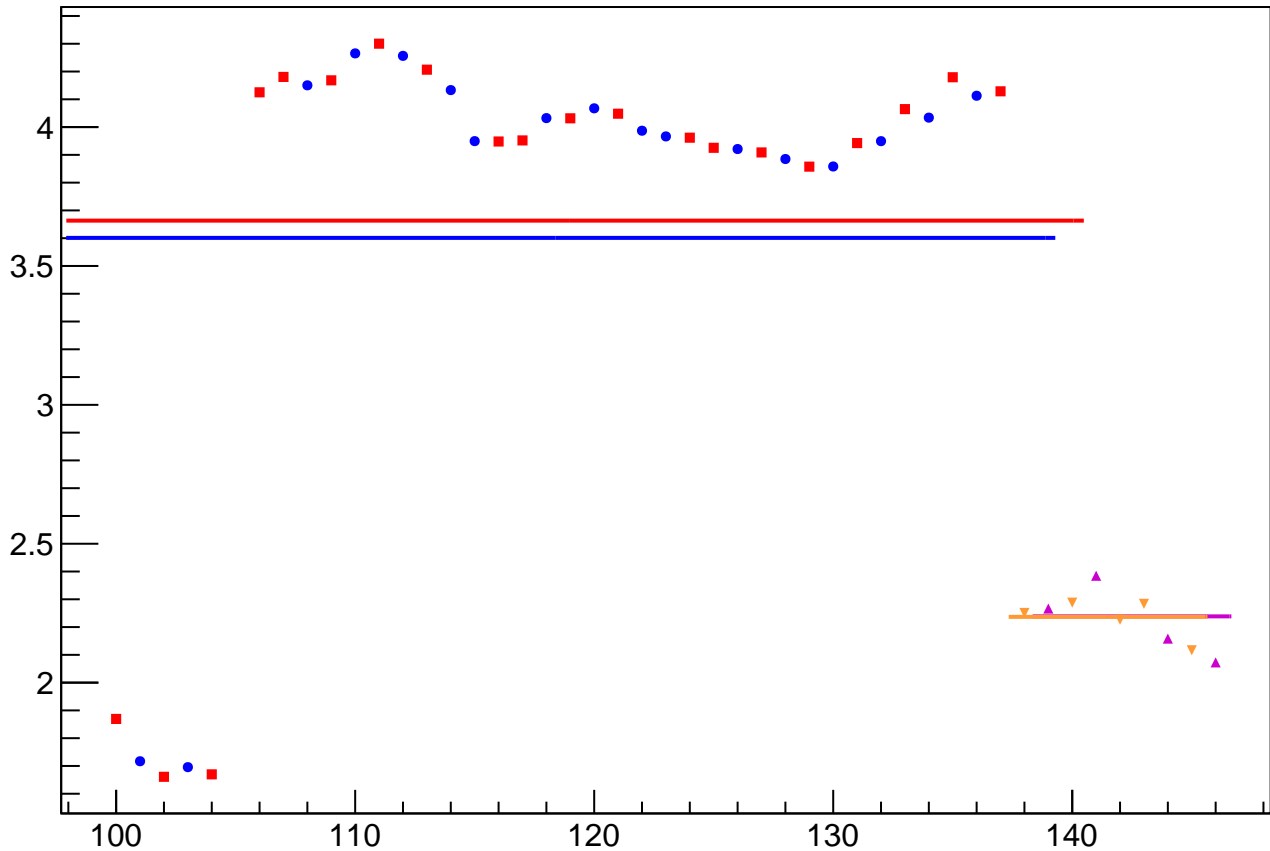
Right Out: 0.007+/-0.000 χ^2/NDF : 187869.7/19

Left In: 0.009+/-0.000 χ^2/NDF :80335.9/3

0.007+/-0.000 χ^2/NDF : 332873.5/21

0.007+/-0.000 χ^2/NDF : 485792.7/23

yield_bpm1i04Y_mean vs Slug



Right In: 3.601+/-0.000 χ^2/NDF : 185806937655.3/16

Left Out: 2.237+/-0.000 χ^2/NDF :232885159.8/4

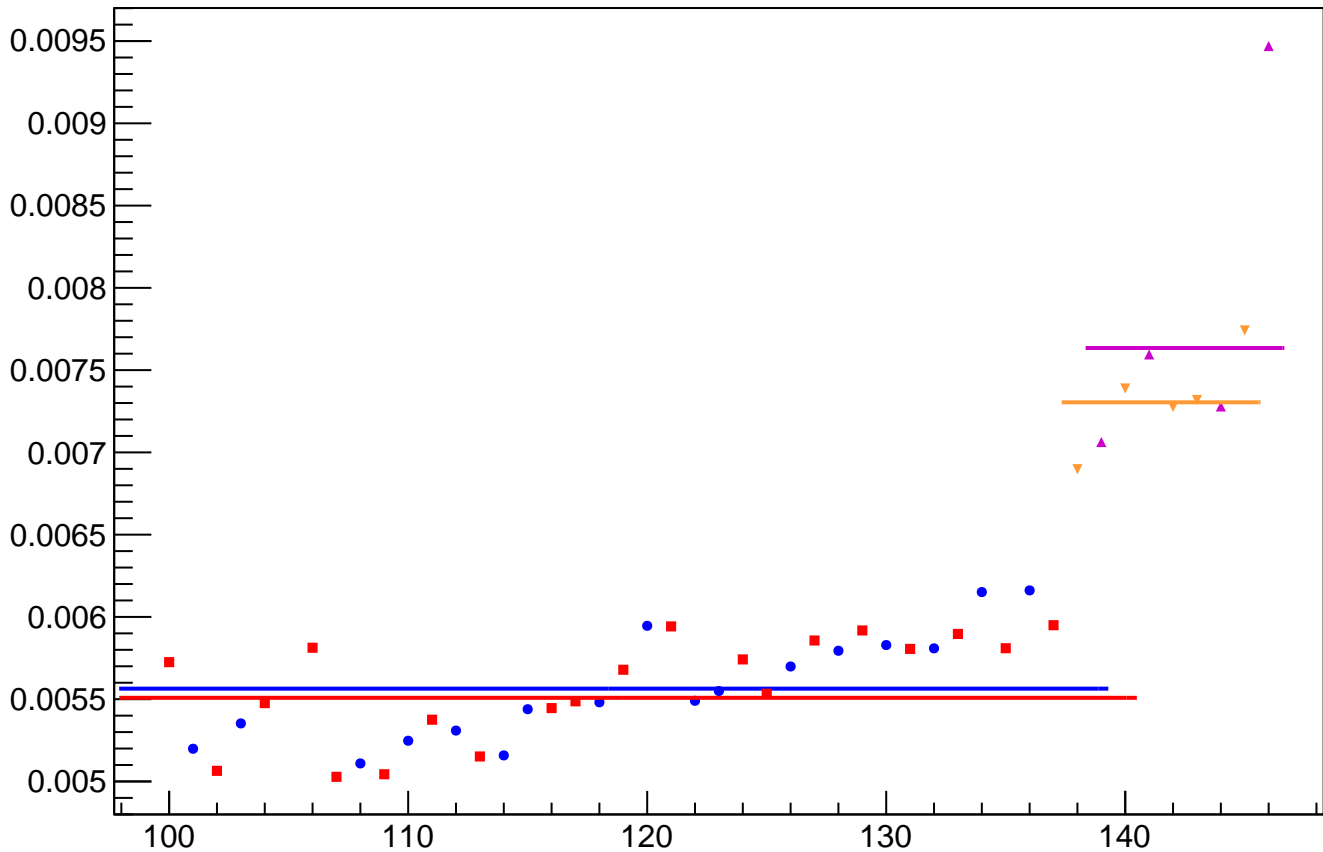
3.304+/-0.000 χ^2/NDF : 273653757149.6/21

Right Out: 3.663+/-0.000 χ^2/NDF : 192640409625.9/19

3.404+/-0.000 χ^2/NDF : 278624999532.0/23

Left In: 2.239+/-0.000 χ^2/NDF :630803161.7/3

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

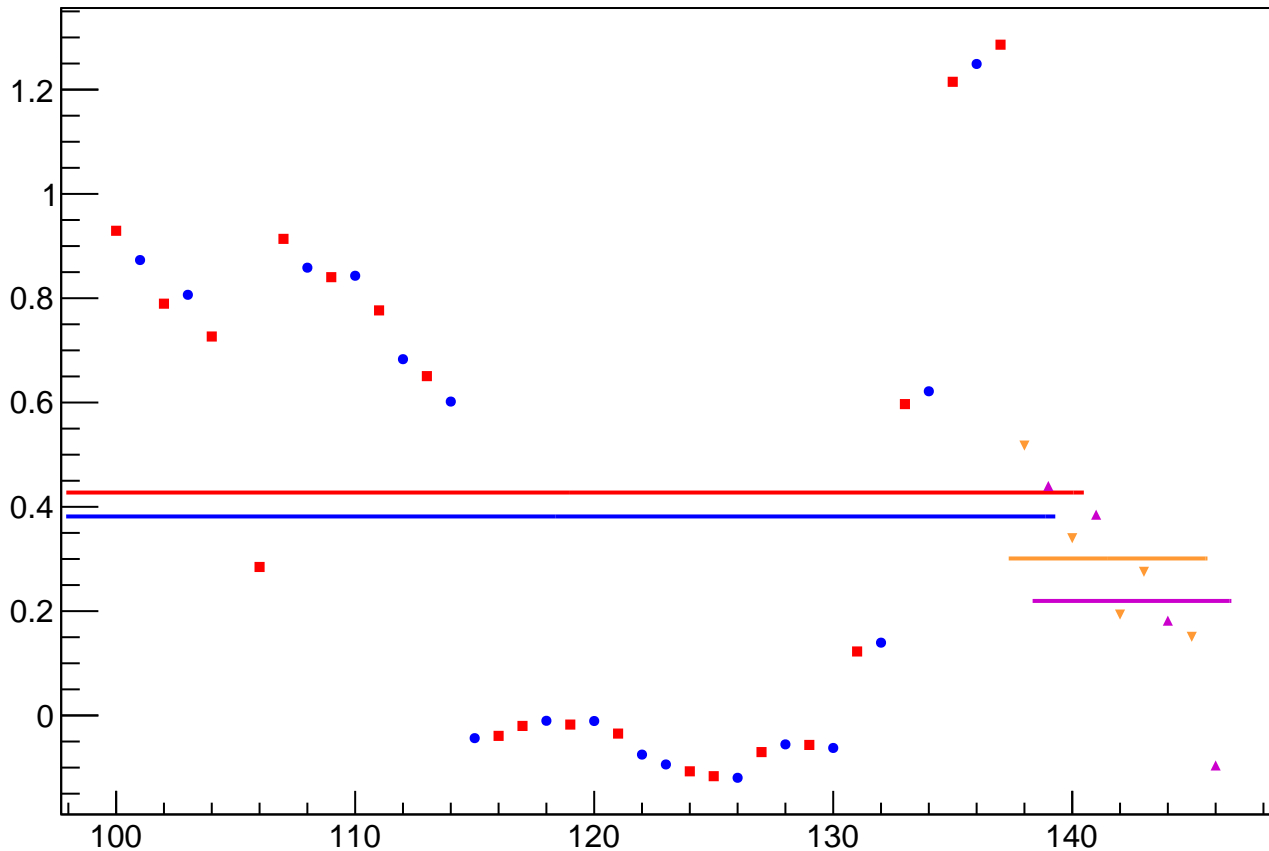
Right Out: 0.006+/-0.000 χ^2 /NDF: 52636.1/19

Left In: 0.008+/-0.000 χ^2 /NDF:63920.0/3

0.006+/-0.000 χ^2 /NDF: 342372.0/21

0.006+/-0.000 χ^2 /NDF: 496727.5/23

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

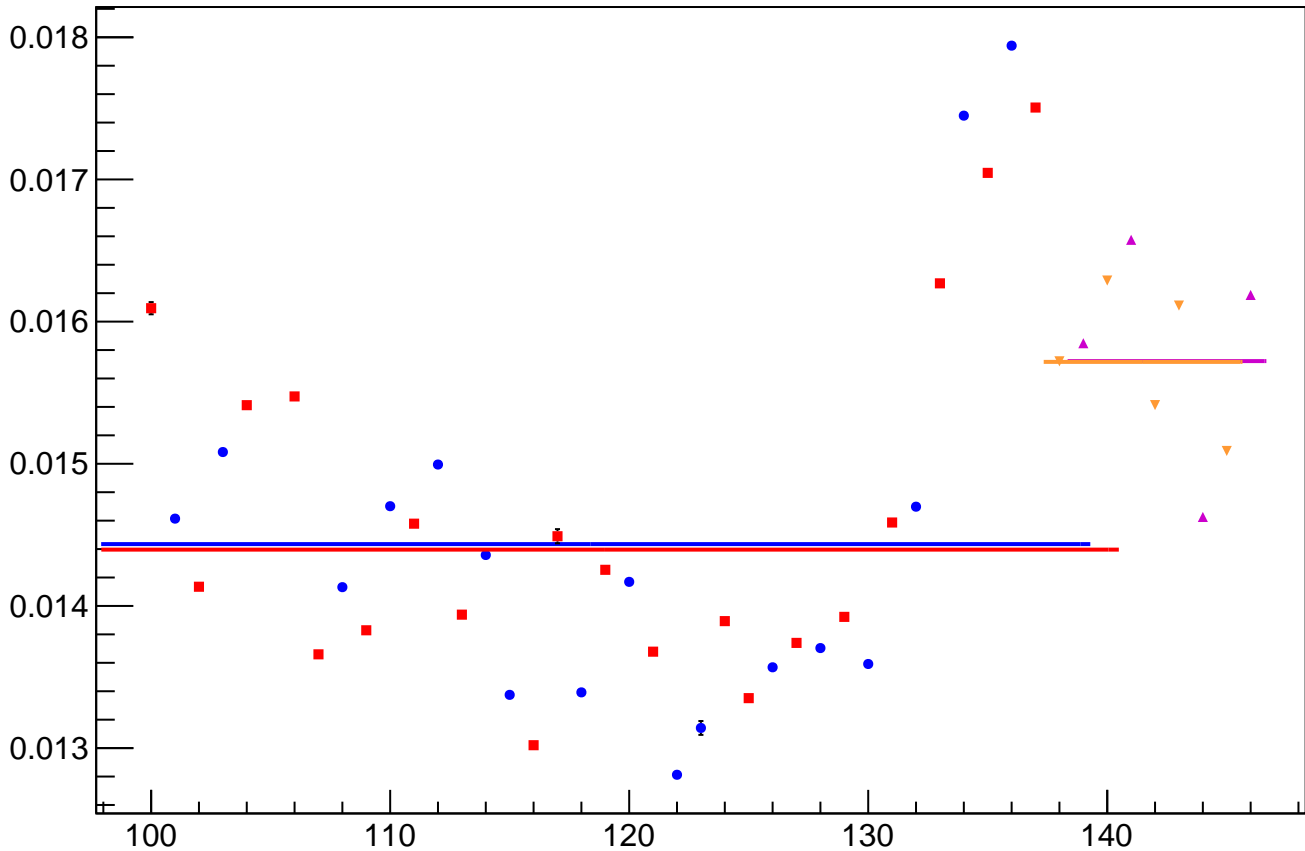
Right Out: 0.427+/-0.000 χ^2/NDF : 6716521382.4/19

Left In: 0.220+/-0.000 χ^2/NDF :519955613.9/3

0.358+/-0.000 χ^2/NDF : 7423167079.8/21

0.370+/-0.000 χ^2/NDF : 7635674621.8/23

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

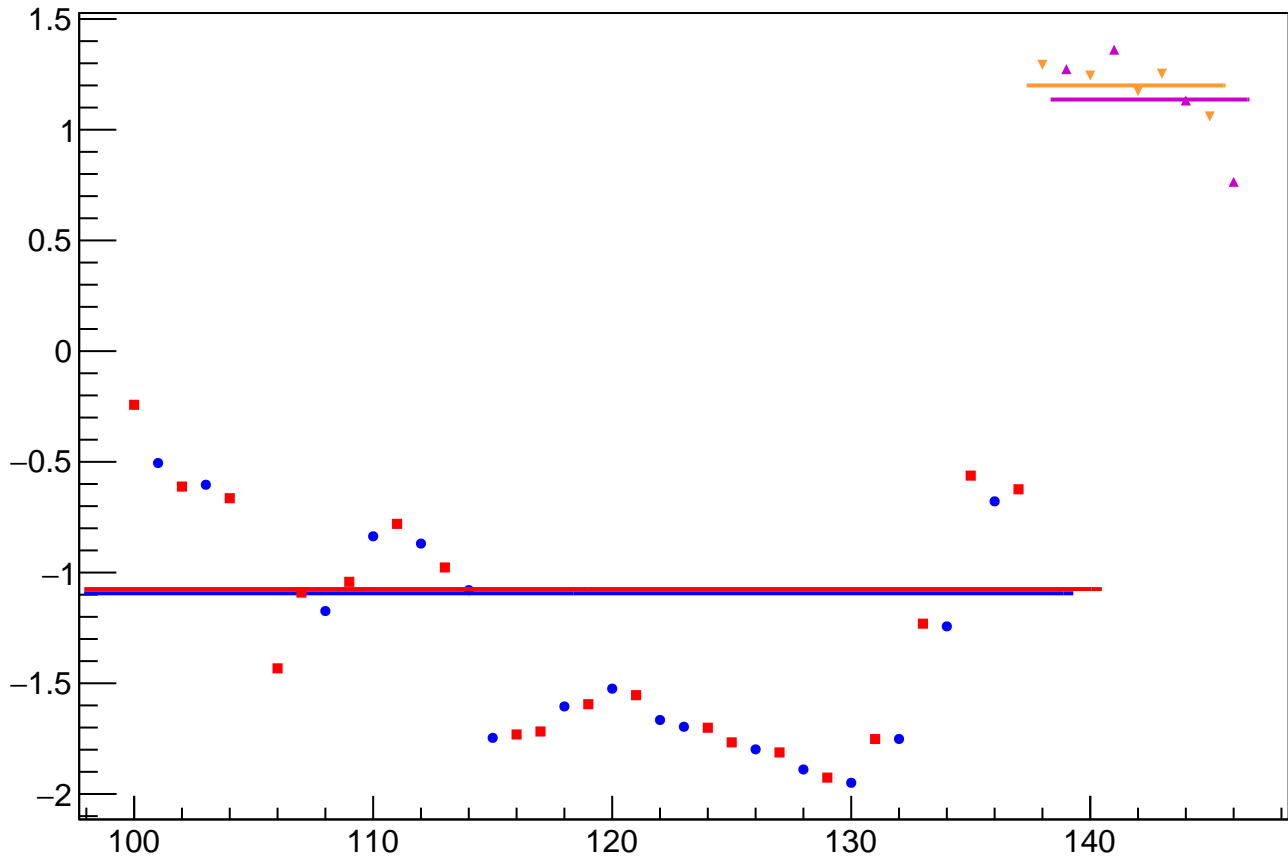
Right Out: 0.014+/-0.000 χ^2/NDF : 74535.1/19

Left In: 0.016+/-0.000 χ^2/NDF : 15379.9/3

0.015+/-0.000 χ^2/NDF : 146531.9/21

0.015+/-0.000 χ^2/NDF : 122419.3/23

yield_bpm1i06Y_mean vs Slug



Right In: -1.094 \pm 0.000 χ^2/NDF : 55960104370.4/16

Left Out: 1.200 \pm 0.000 χ^2/NDF : 1681624044.8/4

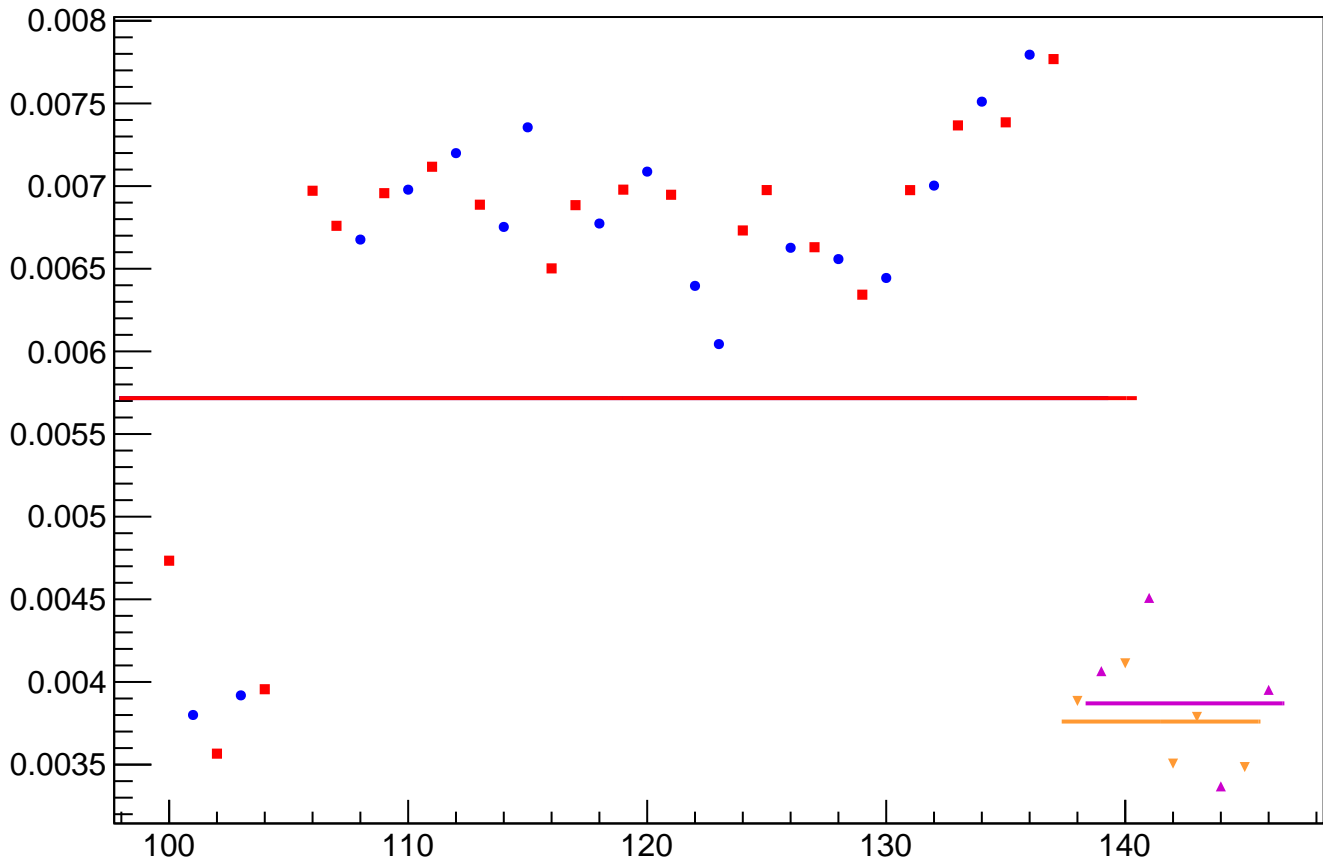
Right Out: -1.074 \pm 0.000 χ^2/NDF : 47208439320.8/19

Left In: 1.136 \pm 0.000 χ^2/NDF : 7884663691.9/3

0.153 \pm 0.000 χ^2/NDF : 577094710119.5/21

0.022 \pm 0.000 χ^2/NDF : 514914325647.7/23

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

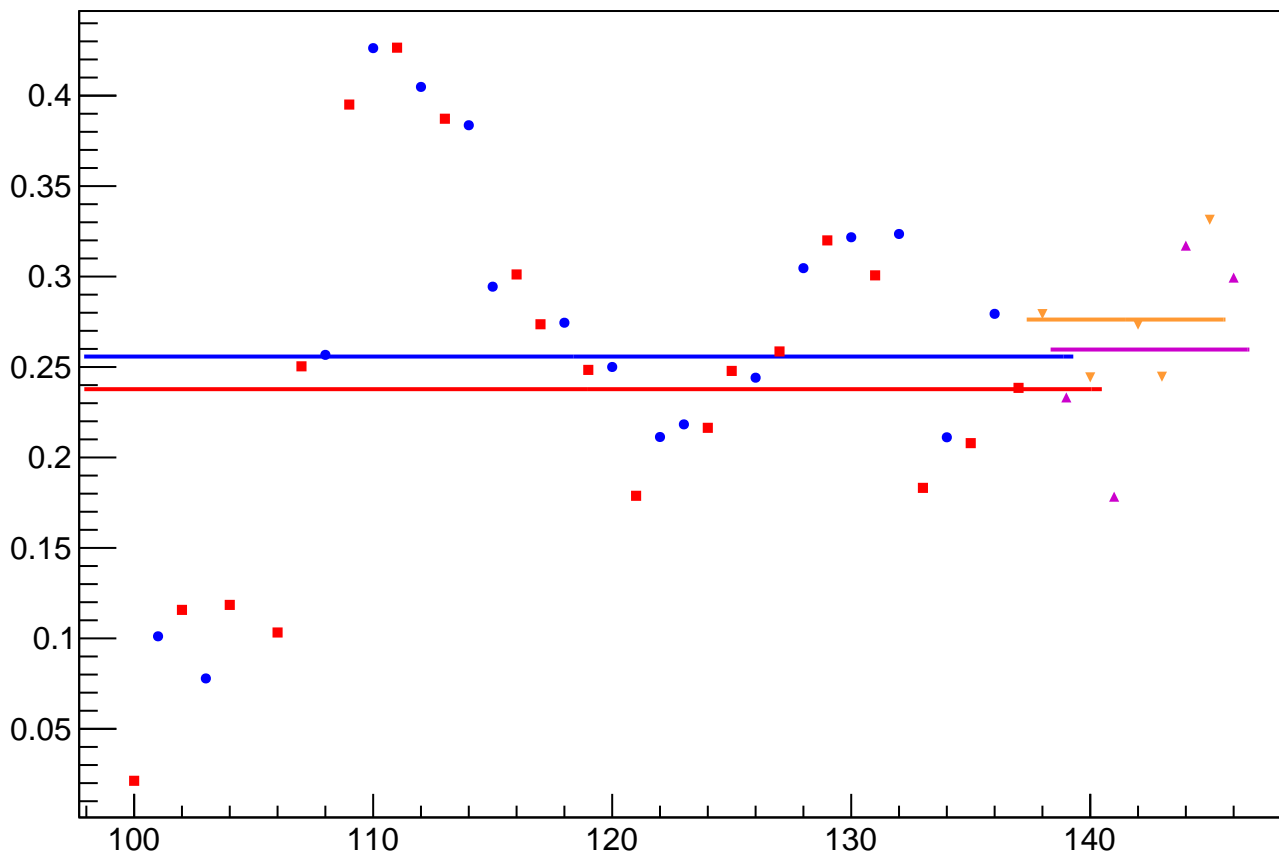
Right Out: 0.006+/-0.000 χ^2/NDF : 925957.4/19

Left In: 0.004+/-0.000 χ^2/NDF :71114.3/3

0.005+/-0.000 χ^2/NDF : 1619019.3/21

0.005+/-0.000 χ^2/NDF : 1638727.5/23

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

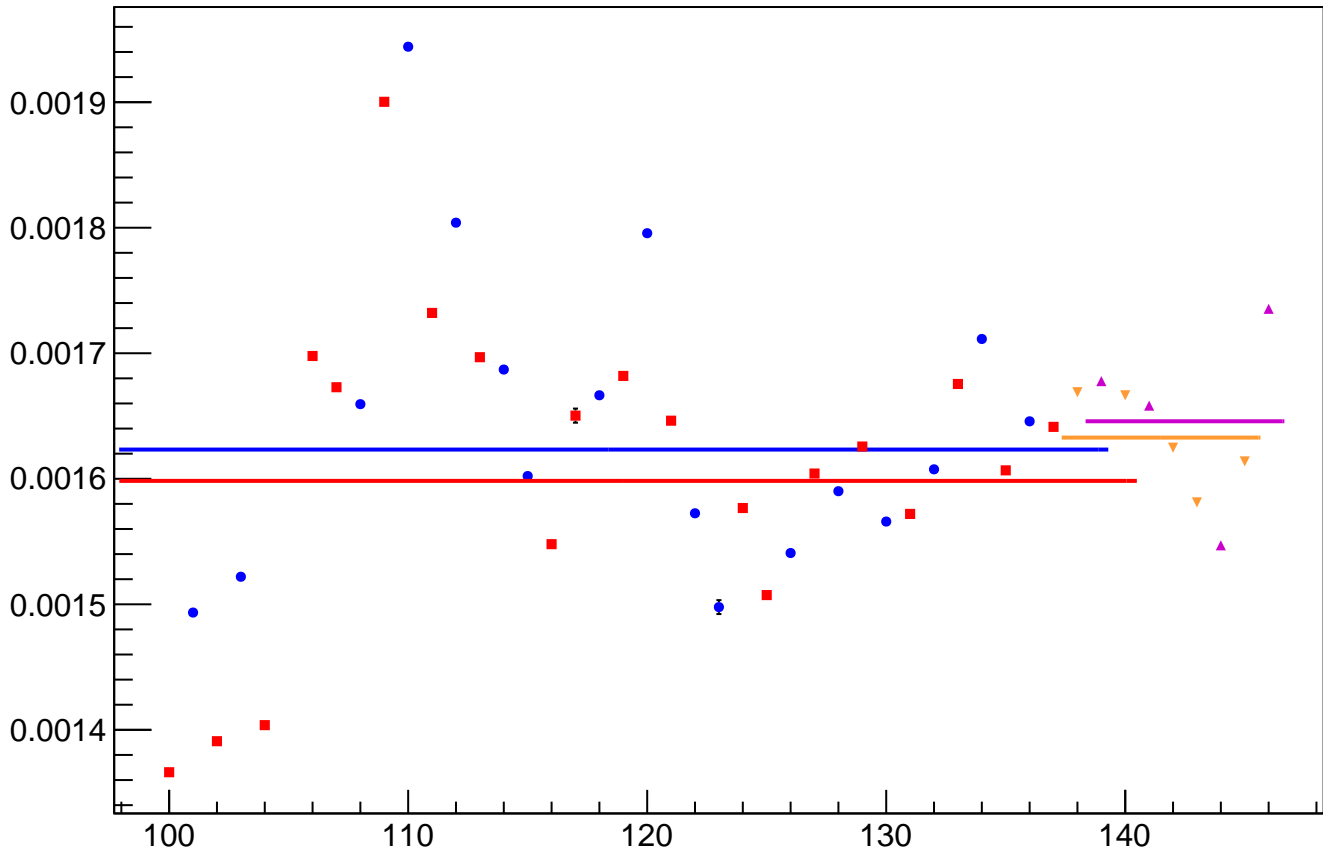
Right Out: 0.238 ± 0.000 χ^2/NDF : 26077768189.7/19

Left In: 0.260 ± 0.000 χ^2/NDF : 3787221535.1/3

0.263 ± 0.000 χ^2/NDF : 23134578752.0/21

0.244 ± 0.000 χ^2/NDF : 30258246534.4/23

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

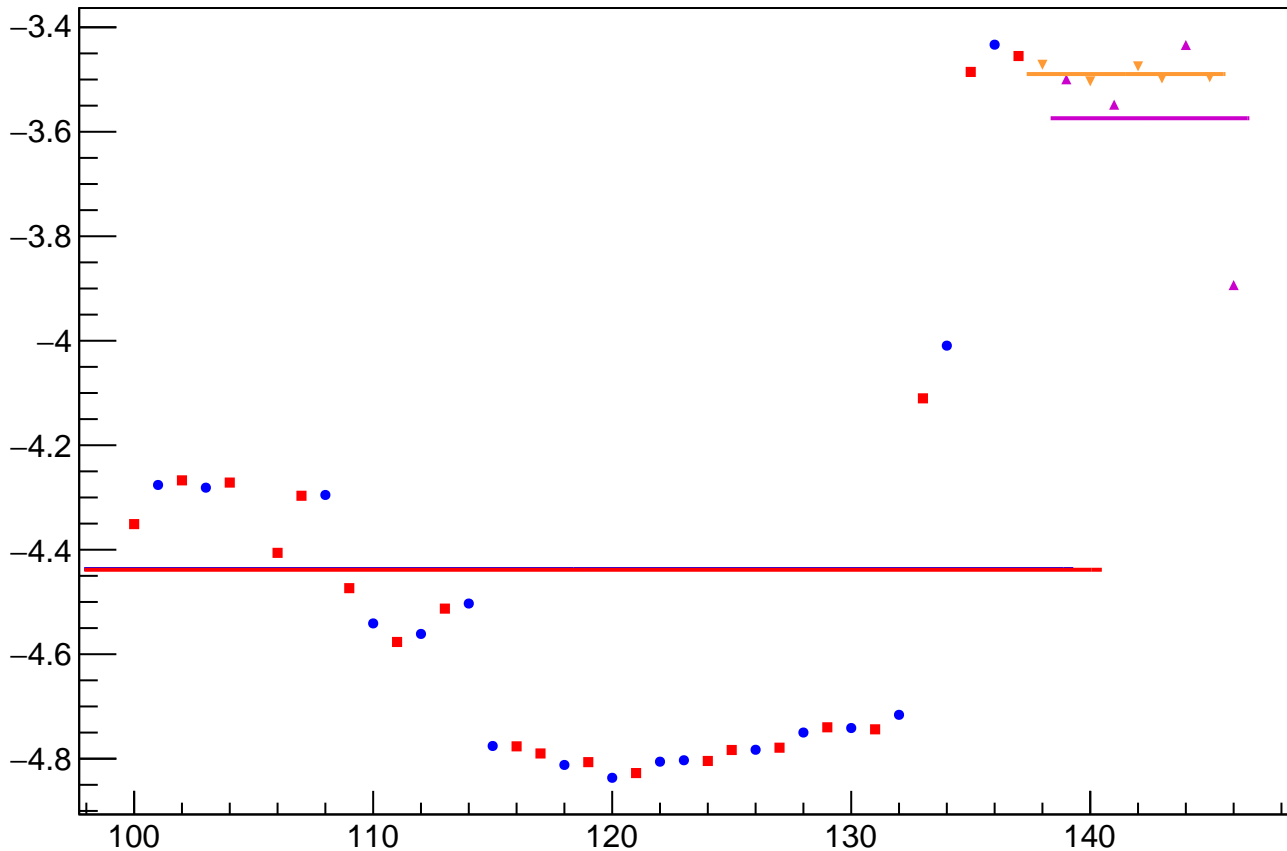
Right Out: 0.002+/-0.000 χ^2/NDF : 90764.4/19

Left In: 0.002+/-0.000 χ^2/NDF : 11854.6/3

0.002+/-0.000 χ^2/NDF : 55438.9/21

0.002+/-0.000 χ^2/NDF : 106317.3/23

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

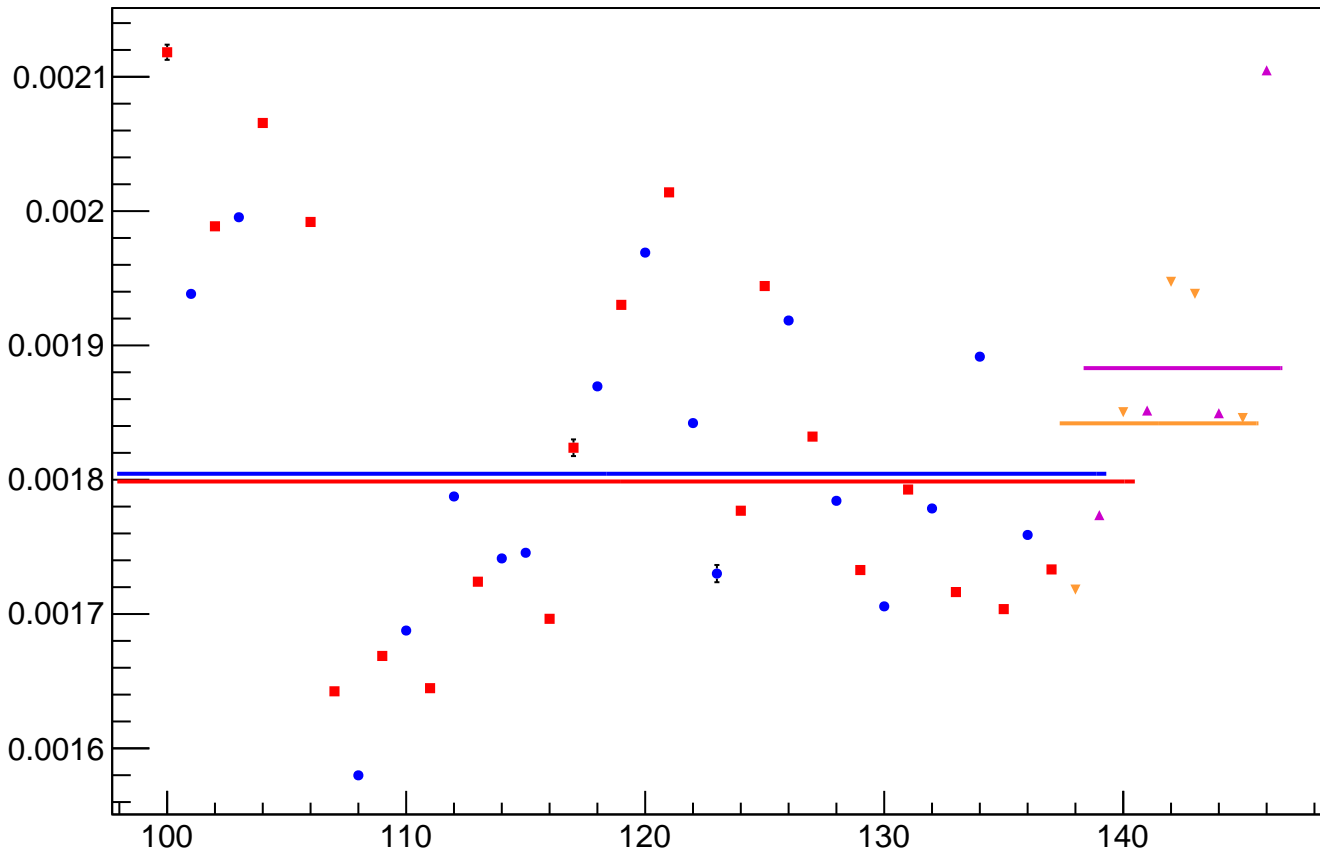
-4.135+/-0.000 χ^2 /NDF: 964613623073.7/21

Right Out: -4.438+/-0.000 χ^2 /NDF: 326800745779.7/19

-4.188+/-0.000 χ^2 /NDF: 813684978223.5/23

Left In: -3.574+/-0.000 χ^2 /NDF: 24038842332.7/3

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

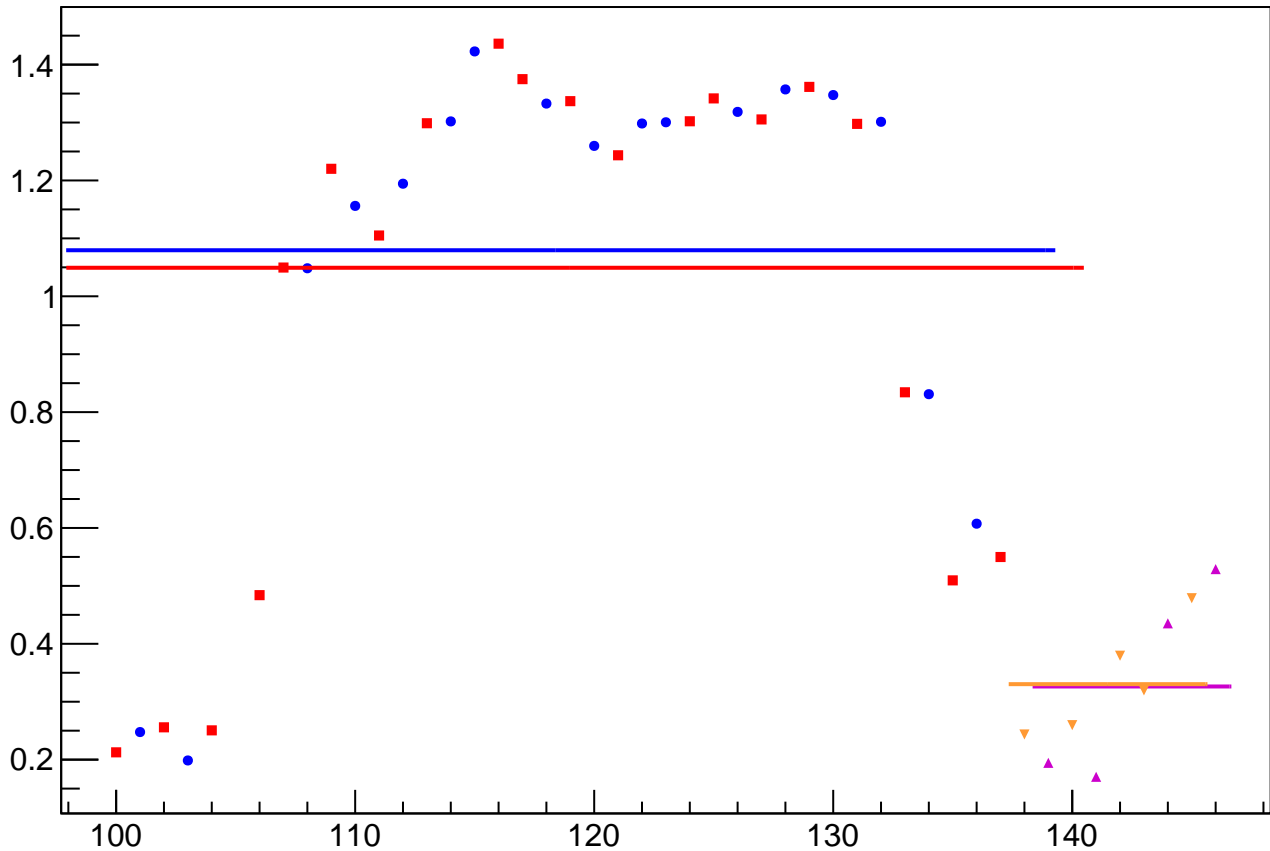
Right Out: 0.002+/-0.000 χ^2 /NDF: 81037.5/19

Left In: 0.002+/-0.000 χ^2 /NDF:23389.0/3

0.002+/-0.000 χ^2 /NDF: 63356.3/21

0.002+/-0.000 χ^2 /NDF: 113257.6/23

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

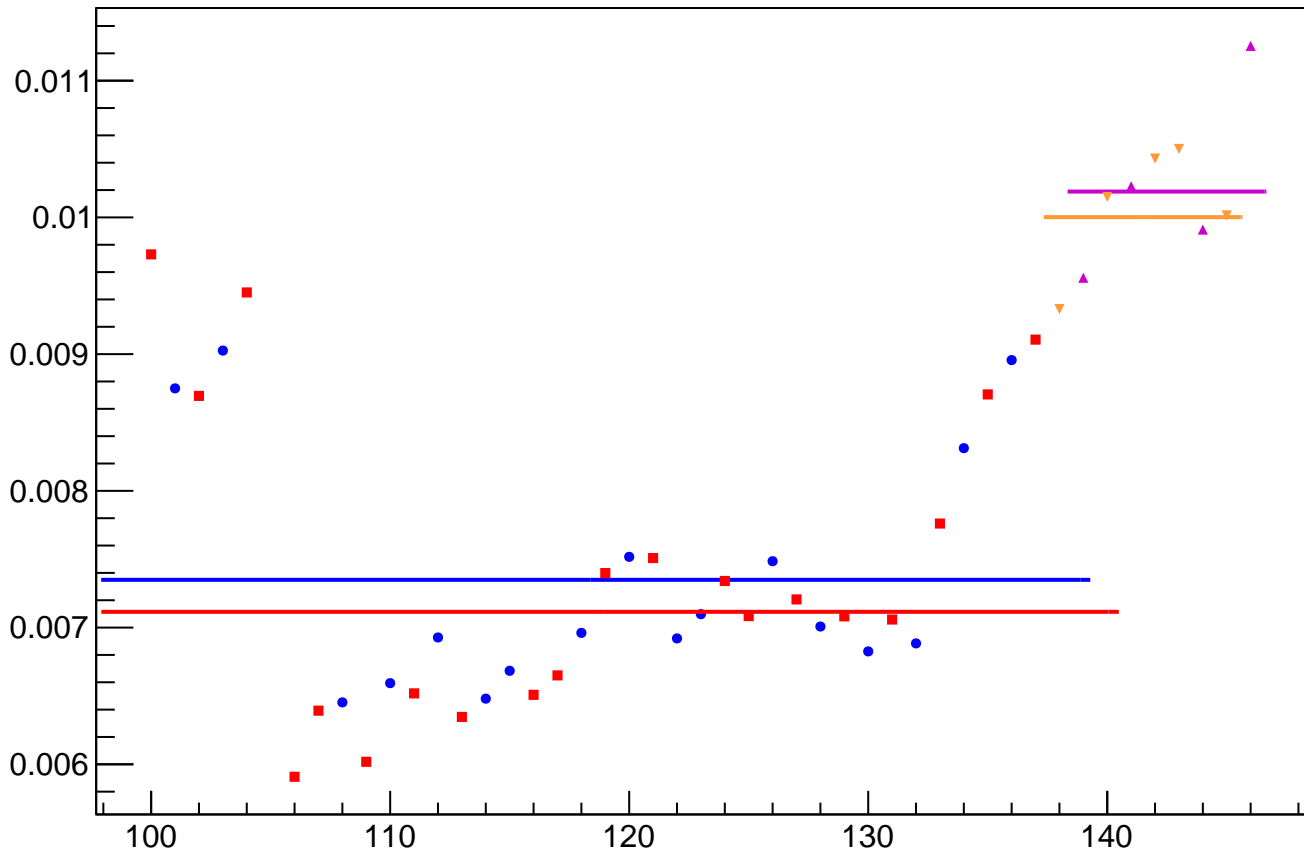
Right Out: 1.049+/-0.000 χ^2/NDF : 19787986428.4/19

Left In: 0.326+/-0.000 χ^2/NDF :688652778.3/3

0.921+/-0.000 χ^2/NDF : 32356007629.8/21

0.919+/-0.000 χ^2/NDF : 33538954987.3/23

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 180818.7/16

Left Out: 0.010+/-0.000 χ^2/NDF :11968.7/4

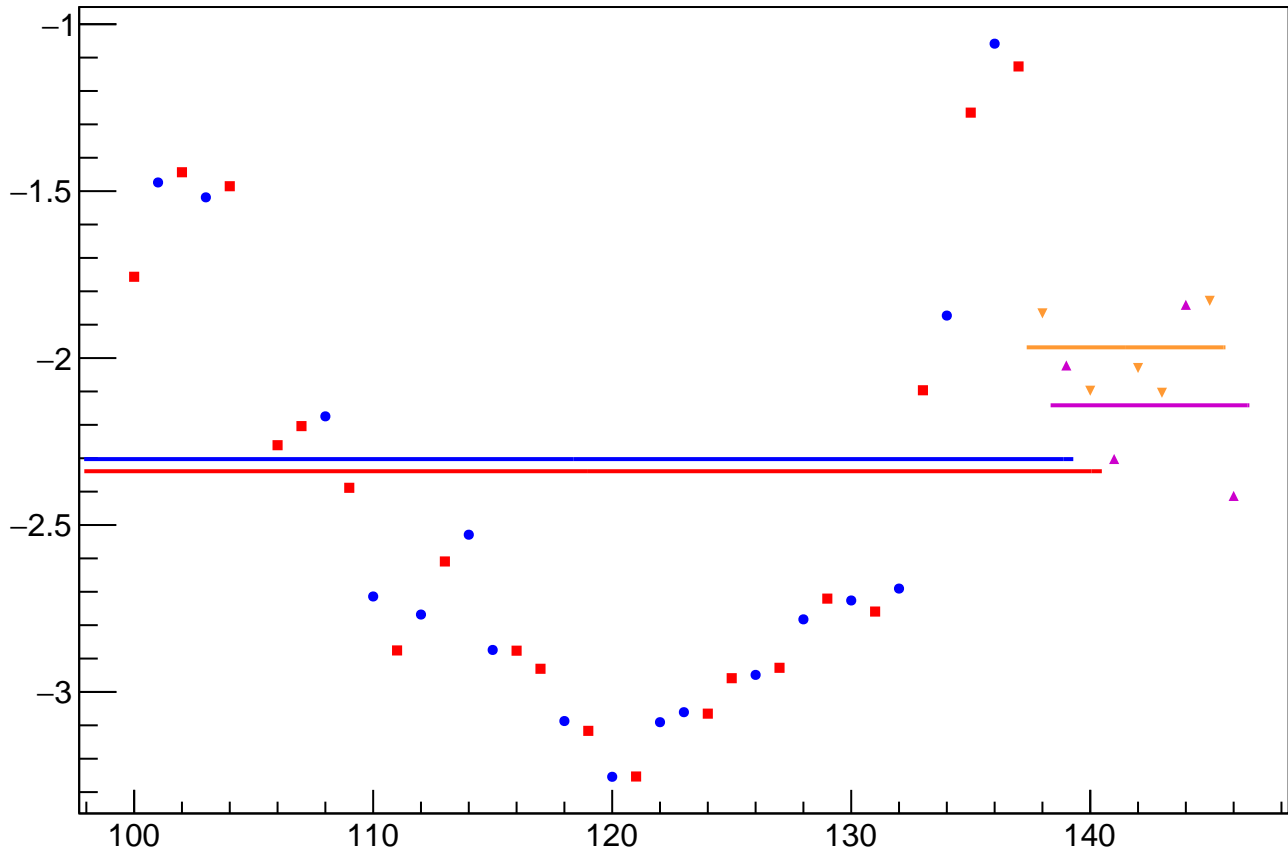
Right Out: 0.007+/-0.000 χ^2/NDF : 259539.3/19

Left In: 0.010+/-0.000 χ^2/NDF :21700.1/3

0.008+/-0.000 χ^2/NDF : 557433.9/21

0.008+/-0.000 χ^2/NDF : 753460.4/23

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

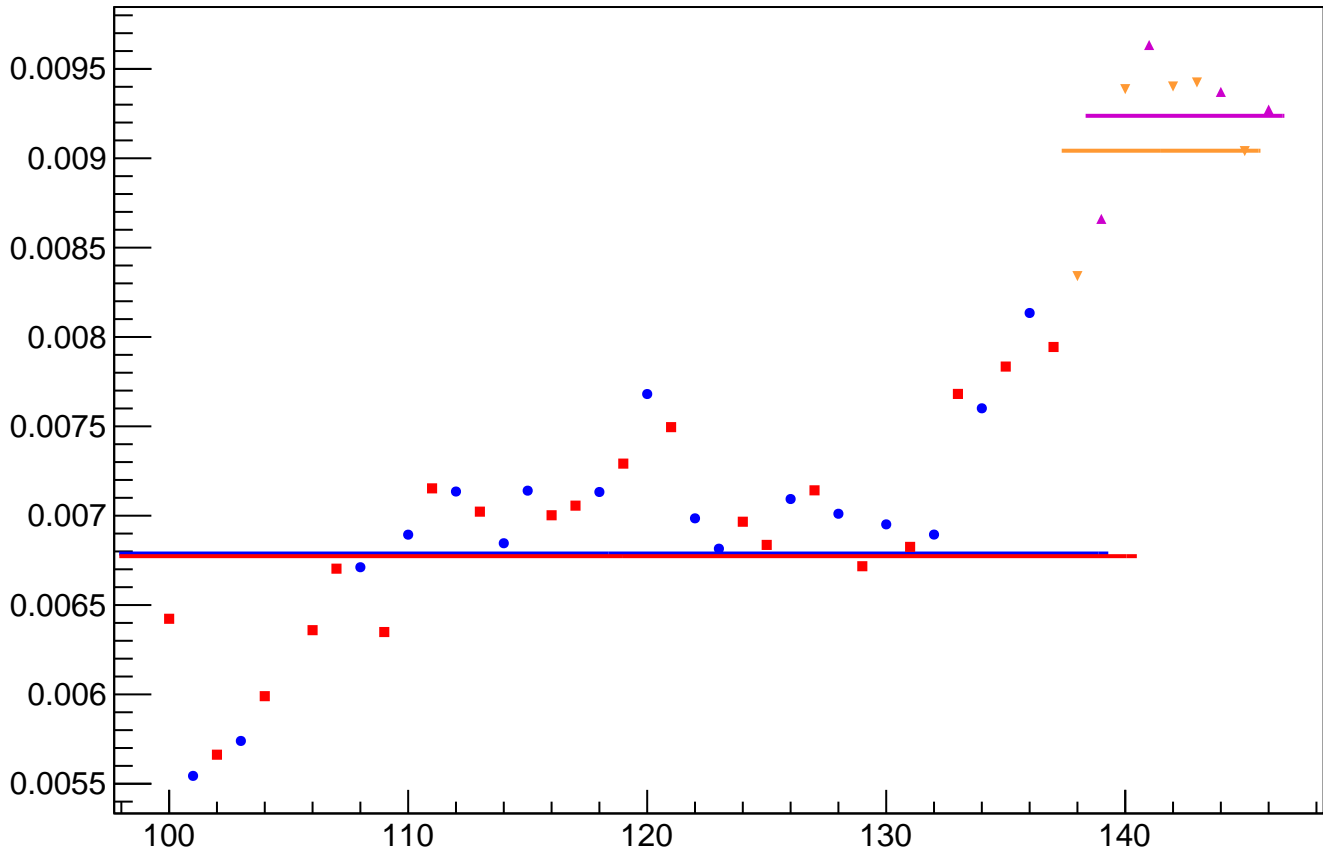
-2.229+/-0.000 χ^2/NDF : 77881115116.4/21

Right Out: -2.339+/-0.000 χ^2/NDF : 64804828308.5/19

-2.301+/-0.000 χ^2/NDF : 67918813063.3/23

Left In: -2.141+/-0.000 χ^2/NDF : 1941617532.1/3

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

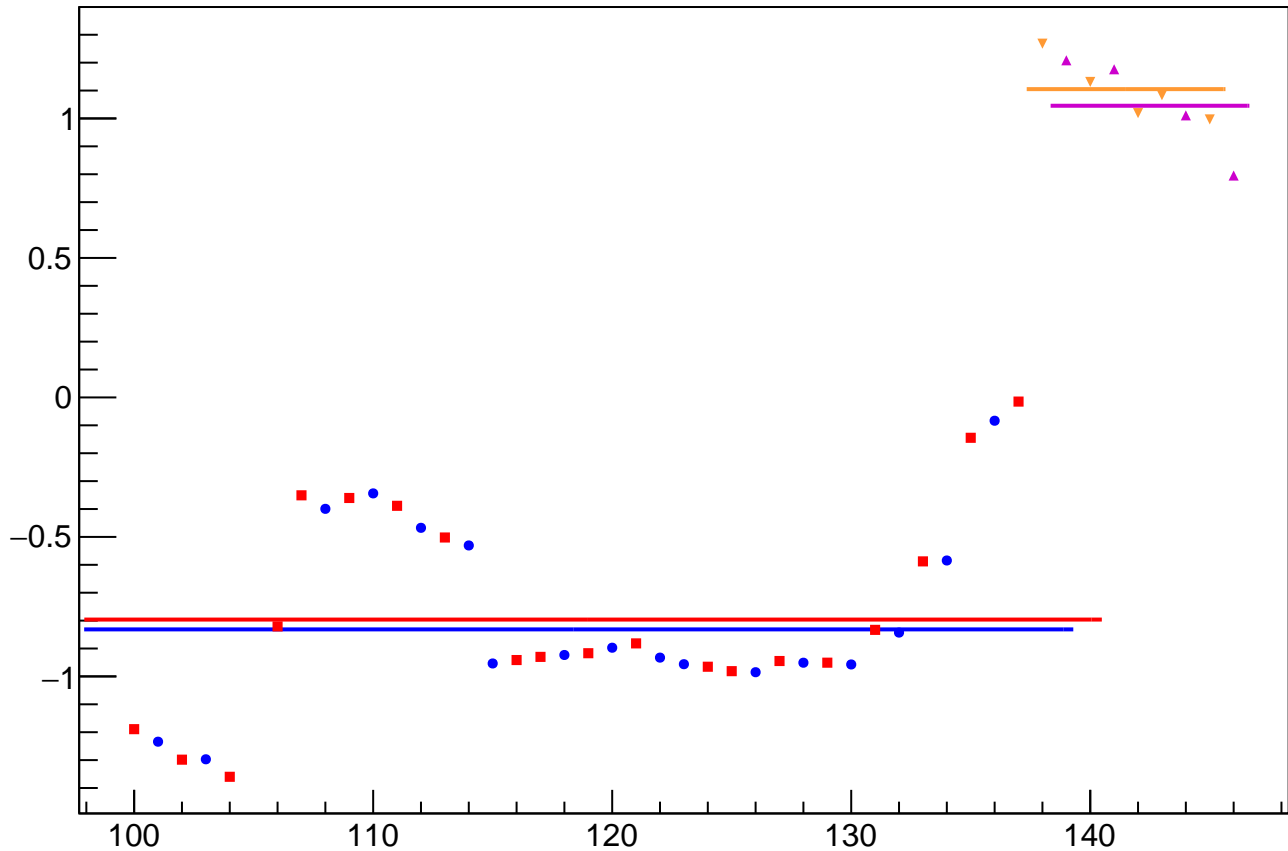
Right Out: 0.007+/-0.000 χ^2/NDF : 123383.6/19

Left In: 0.009+/-0.000 χ^2/NDF :9247.2/3

0.007+/-0.000 χ^2/NDF : 501911.5/21

0.007+/-0.000 χ^2/NDF : 497754.9/23

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

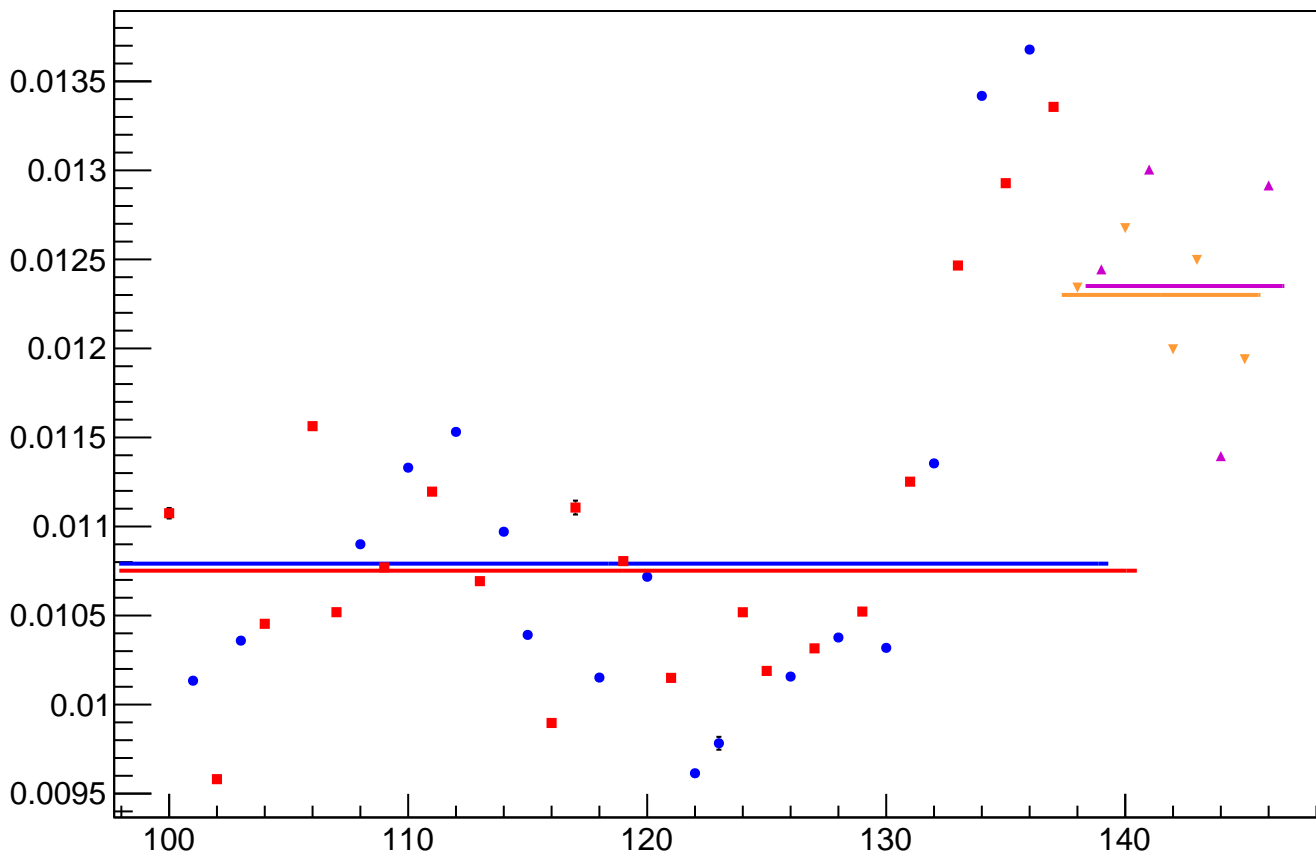
Right Out: -0.796+/-0.000 χ^2 /NDF: 7827622544.3/19

Left In: 1.046+/-0.000 χ^2 /NDF:493146076.5/3

-0.296+/-0.000 χ^2 /NDF: 65458364976.8/21

-0.329+/-0.000 χ^2 /NDF: 59972372479.1/23

yield_bpm0i01X_rms vs Slug



Right In: 0.011 \pm 0.000 χ^2/NDF : 125802.4/16

Left Out: 0.012 \pm 0.000 χ^2/NDF : 3596.1/4

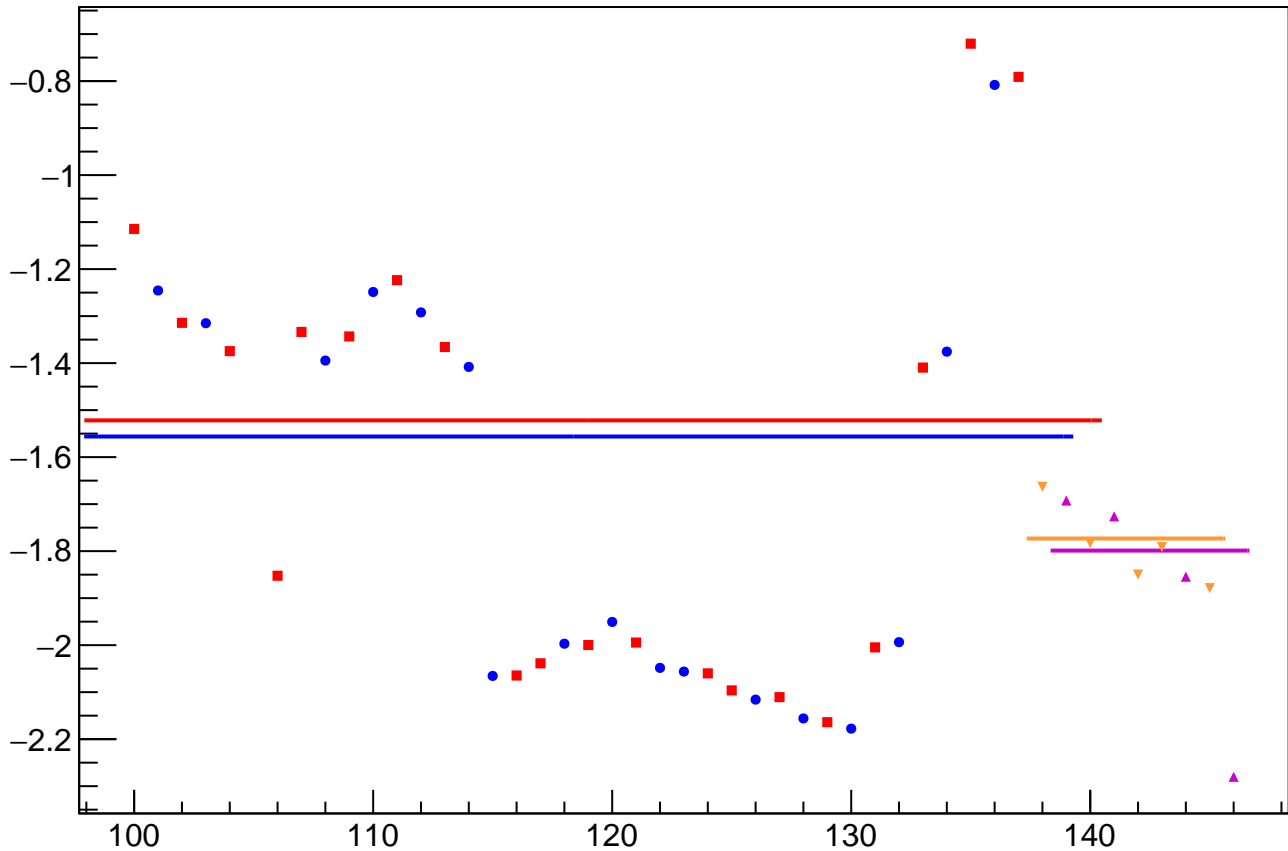
Right Out: 0.011 \pm 0.000 χ^2/NDF : 90303.3/19

Left In: 0.012 \pm 0.000 χ^2/NDF : 19131.7/3

0.011 \pm 0.000 χ^2/NDF : 200509.3/21

0.011 \pm 0.000 χ^2/NDF : 187262.2/23

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

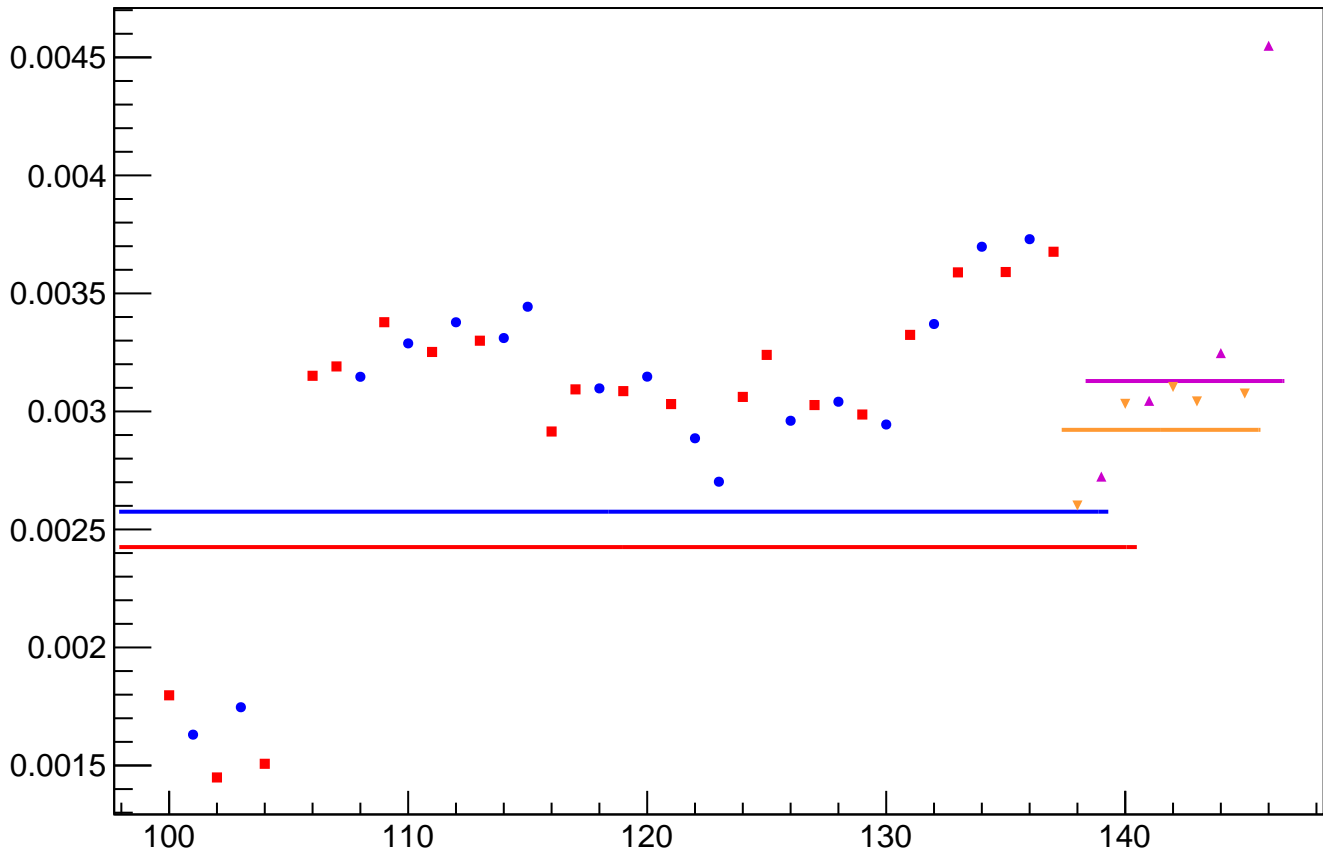
Right Out: -1.522+/-0.000 χ^2 /NDF: 139385229659.4/19

Left In: -1.799+/-0.000 χ^2 /NDF: 7254496437.9/3

-1.619+/-0.000 χ^2 /NDF: 168871206508.9/21

-1.582+/-0.000 χ^2 /NDF: 162899624253.0/23

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

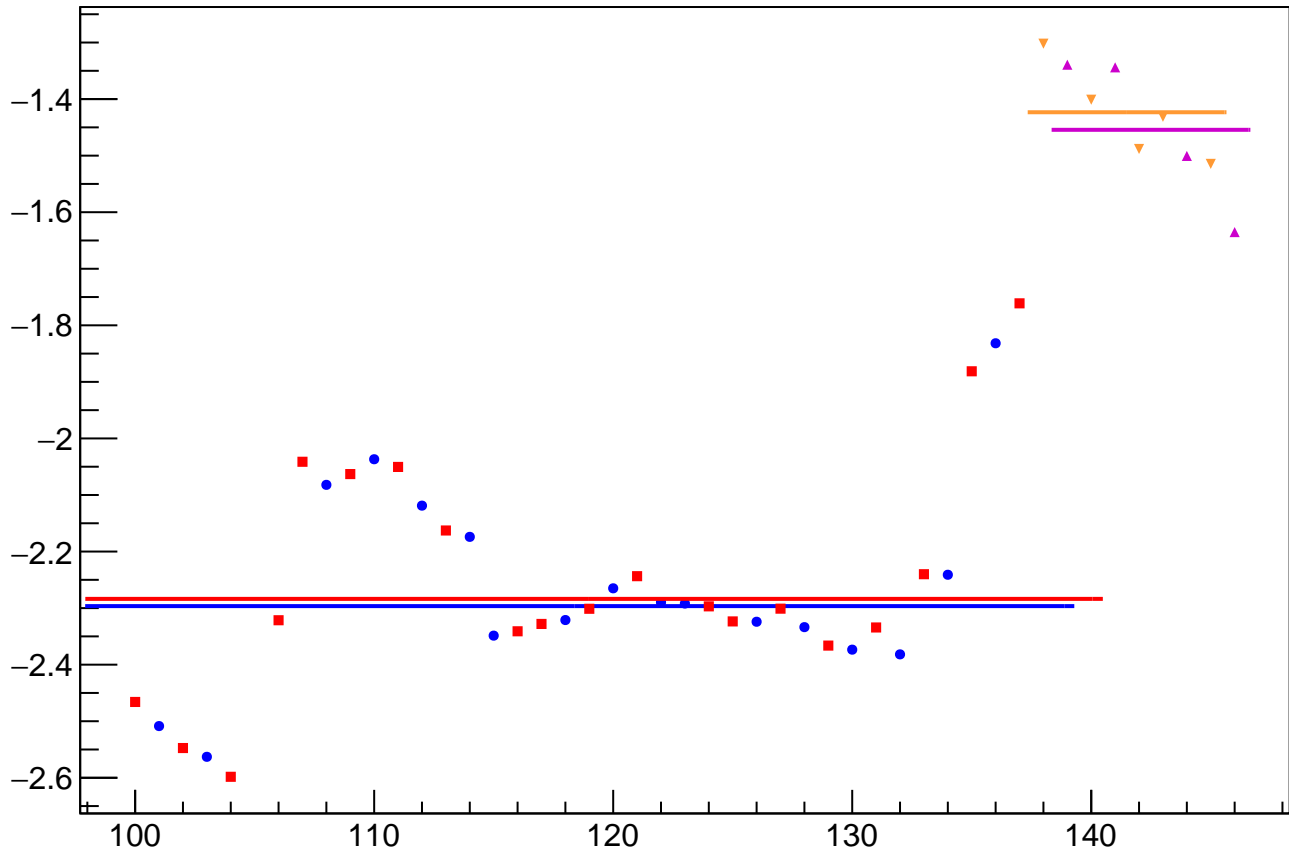
Right Out: 0.002+/-0.000 χ^2 /NDF: 1493210.7/19

Left In: 0.003+/-0.000 χ^2 /NDF:129226.7/3

0.003+/-0.000 χ^2 /NDF: 1104345.8/21

0.003+/-0.000 χ^2 /NDF: 1832212.1/23

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

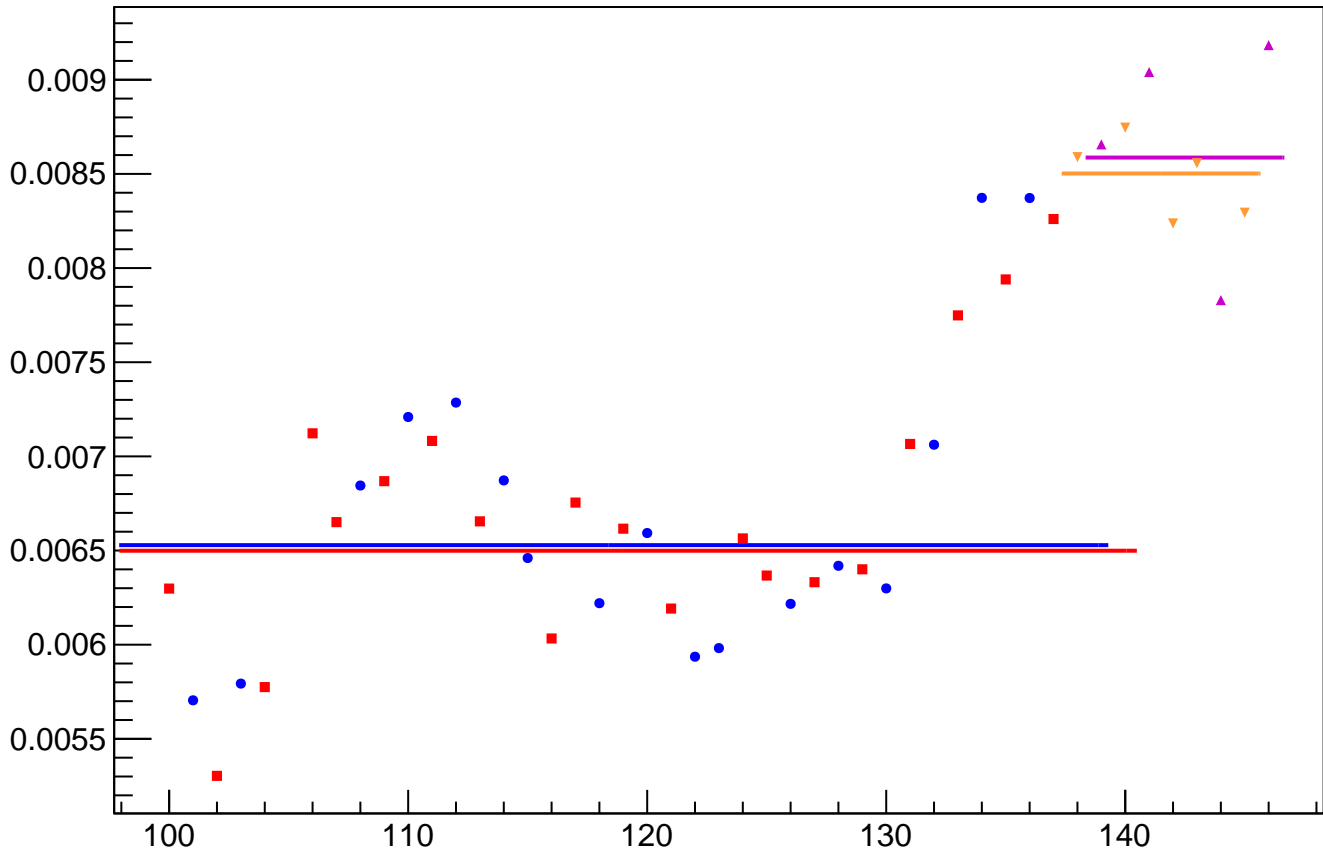
Right Out: -2.284+/-0.000 χ^2/NDF : 6550363990.6/19

Left In: -1.454+/-0.000 χ^2/NDF : 551364205.8/3

-2.098+/-0.000 χ^2/NDF : 32376210600.8/21

-2.114+/-0.000 χ^2/NDF : 29779721515.9/23

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

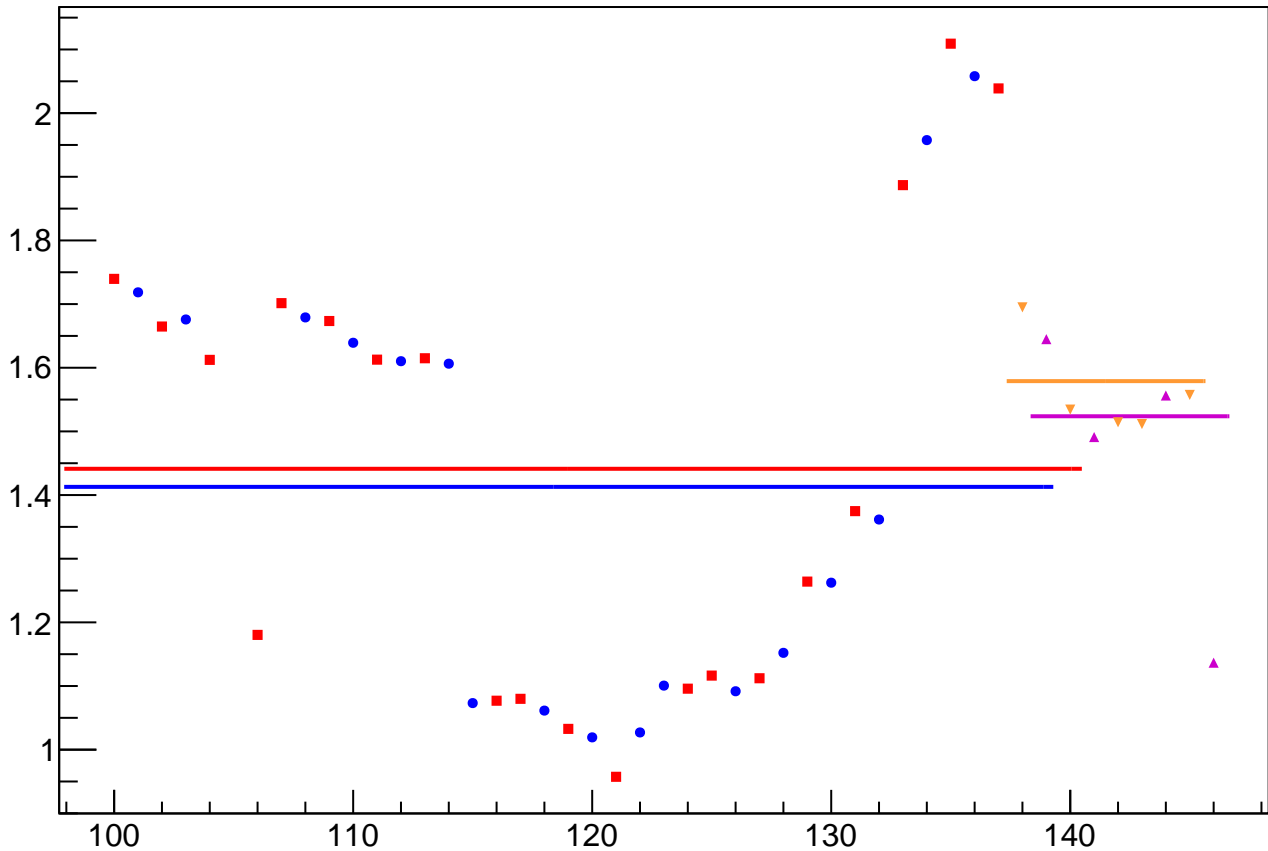
Right Out: 0.006+/-0.000 χ^2/NDF : 164253.8/19

Left In: 0.009+/-0.000 χ^2/NDF :26056.9/3

0.007+/-0.000 χ^2/NDF : 448645.0/21

0.007+/-0.000 χ^2/NDF : 477743.9/23

yield_bpm0i01aY_mean vs Slug



Right In: 1.413 \pm 0.000 χ^2 /NDF: 172560306608.0/16

Left Out: 1.579 \pm 0.000 χ^2 /NDF:753911303.4/4

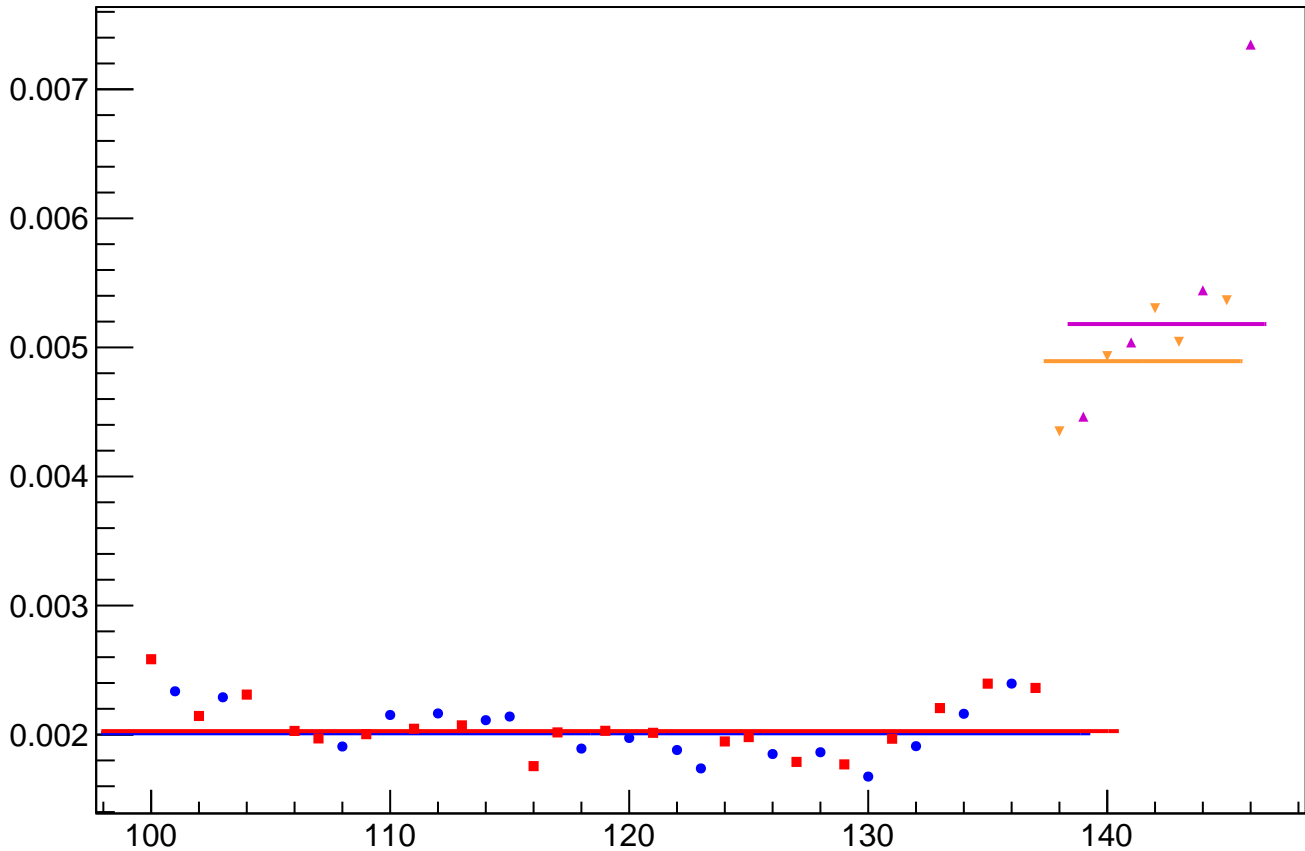
1.426 \pm 0.000 χ^2 /NDF: 176613458083.5/21

Right Out: 1.441 \pm 0.000 χ^2 /NDF: 174346888744.4/19

1.446 \pm 0.000 χ^2 /NDF: 177064976431.2/23

Left In: 1.524 \pm 0.000 χ^2 /NDF:2056971466.2/3

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

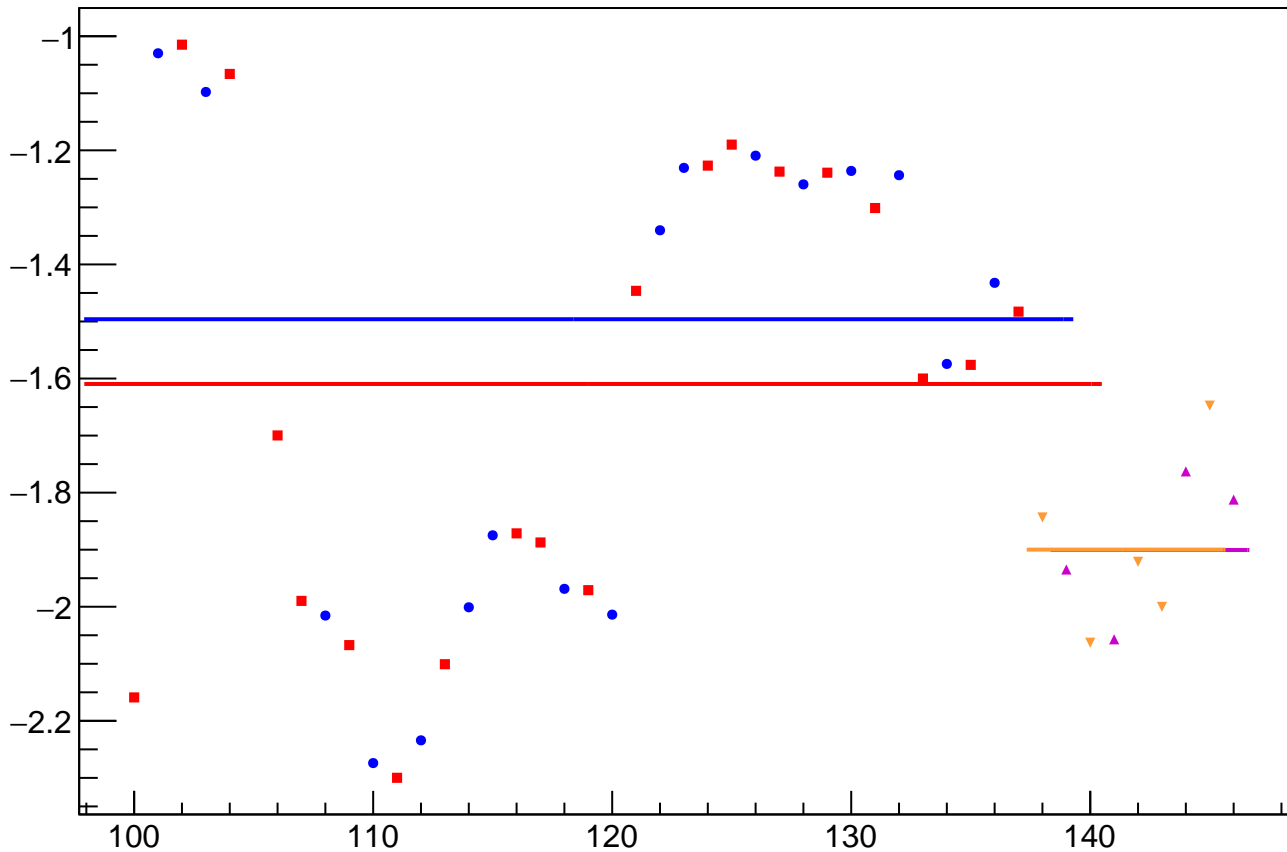
Right Out: 0.002+/-0.000 χ^2 /NDF: 103927.8/19

Left In: 0.005+/-0.000 χ^2 /NDF:133469.3/3

0.002+/-0.000 χ^2 /NDF: 2178734.0/21

0.002+/-0.000 χ^2 /NDF: 2168943.8/23

yield_bpm0l01X_mean vs Slug



Right In: -1.496 ± 0.000 $\chi^2/\text{NDF}: 22525130000.3/16$

Left Out: -1.900 ± 0.000 $\chi^2/\text{NDF}: 2323412148.9/4$

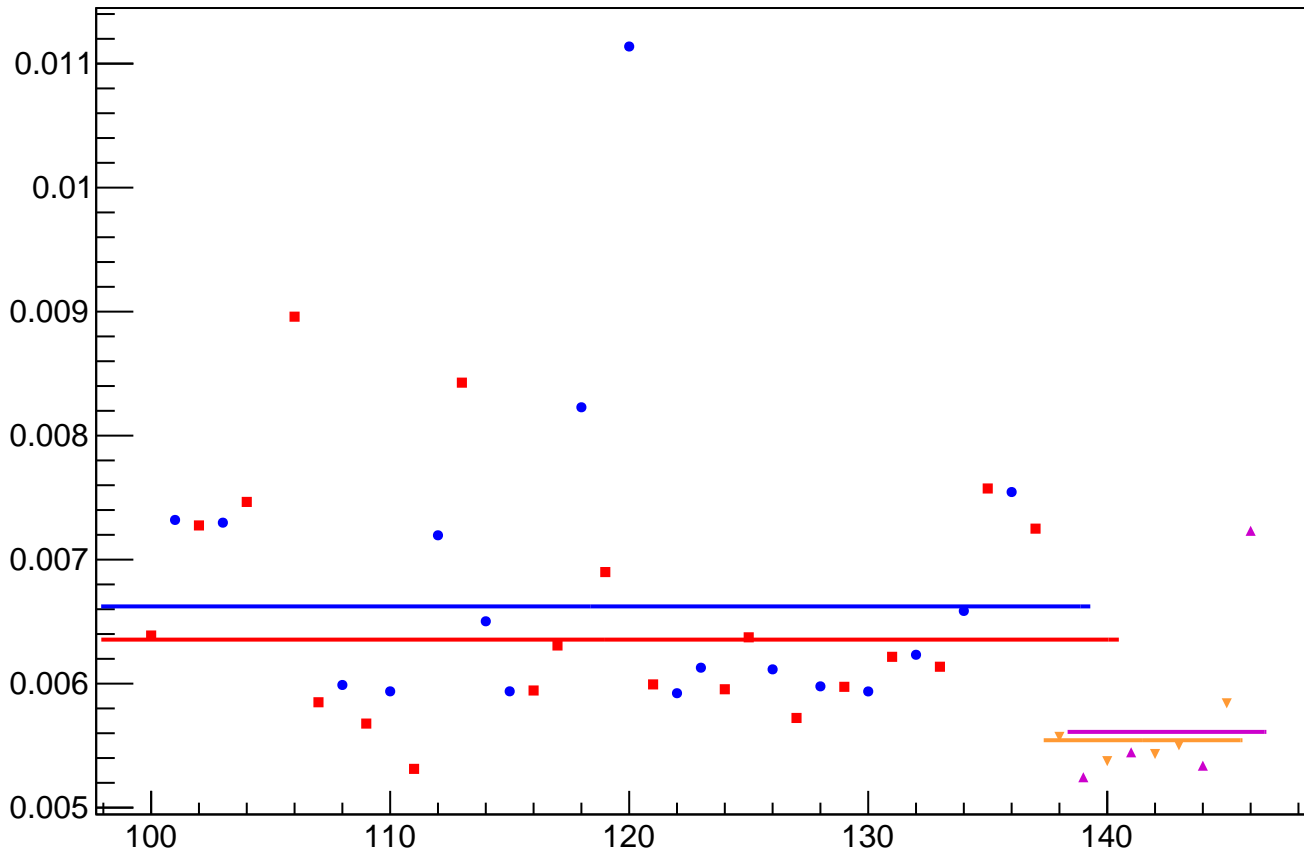
-1.669 ± 0.000 $\chi^2/\text{NDF}: 34545779284.3/21$

Right Out: -1.610 ± 0.000 $\chi^2/\text{NDF}: 27919840690.9/19$

-1.716 ± 0.000 $\chi^2/\text{NDF}: 34349194485.4/23$

Left In: -1.901 ± 0.000 $\chi^2/\text{NDF}: 1362830063.1/3$

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 $\chi^2/\text{NDF}: 232630.4/16$

Left Out: 0.006+/-0.000 $\chi^2/\text{NDF}: 5687.5/4$

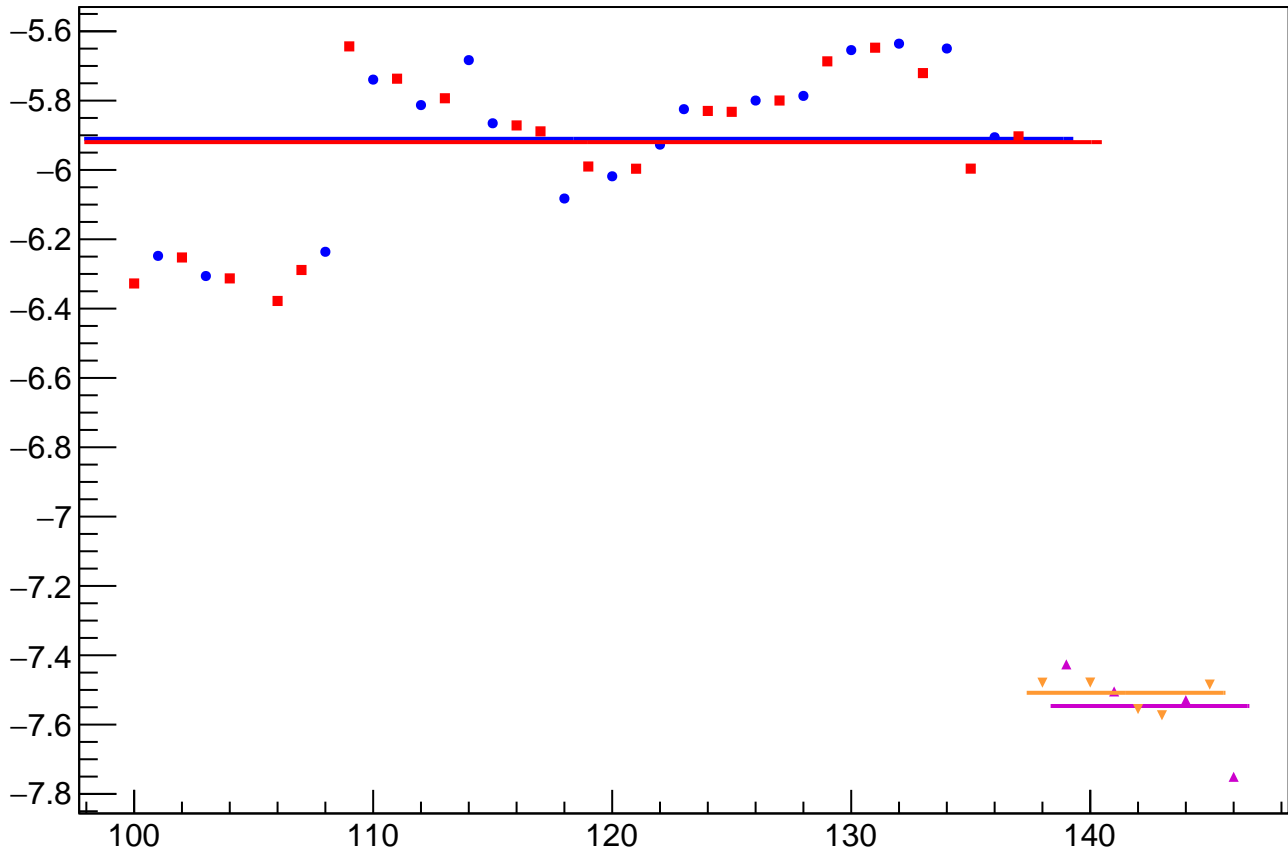
Right Out: 0.006+/-0.000 $\chi^2/\text{NDF}: 227865.9/19$

Left In: 0.006+/-0.000 $\chi^2/\text{NDF}: 81422.0/3$

0.006+/-0.000 $\chi^2/\text{NDF}: 376817.2/21$

0.006+/-0.000 $\chi^2/\text{NDF}: 375551.1/23$

yield_bpm0l01Y_mean vs Slug



Right In: -5.910 \pm 0.000 χ^2 /NDF: 11154434512.7/16

Left Out: -7.508 \pm 0.000 χ^2 /NDF: 62543986.0/4

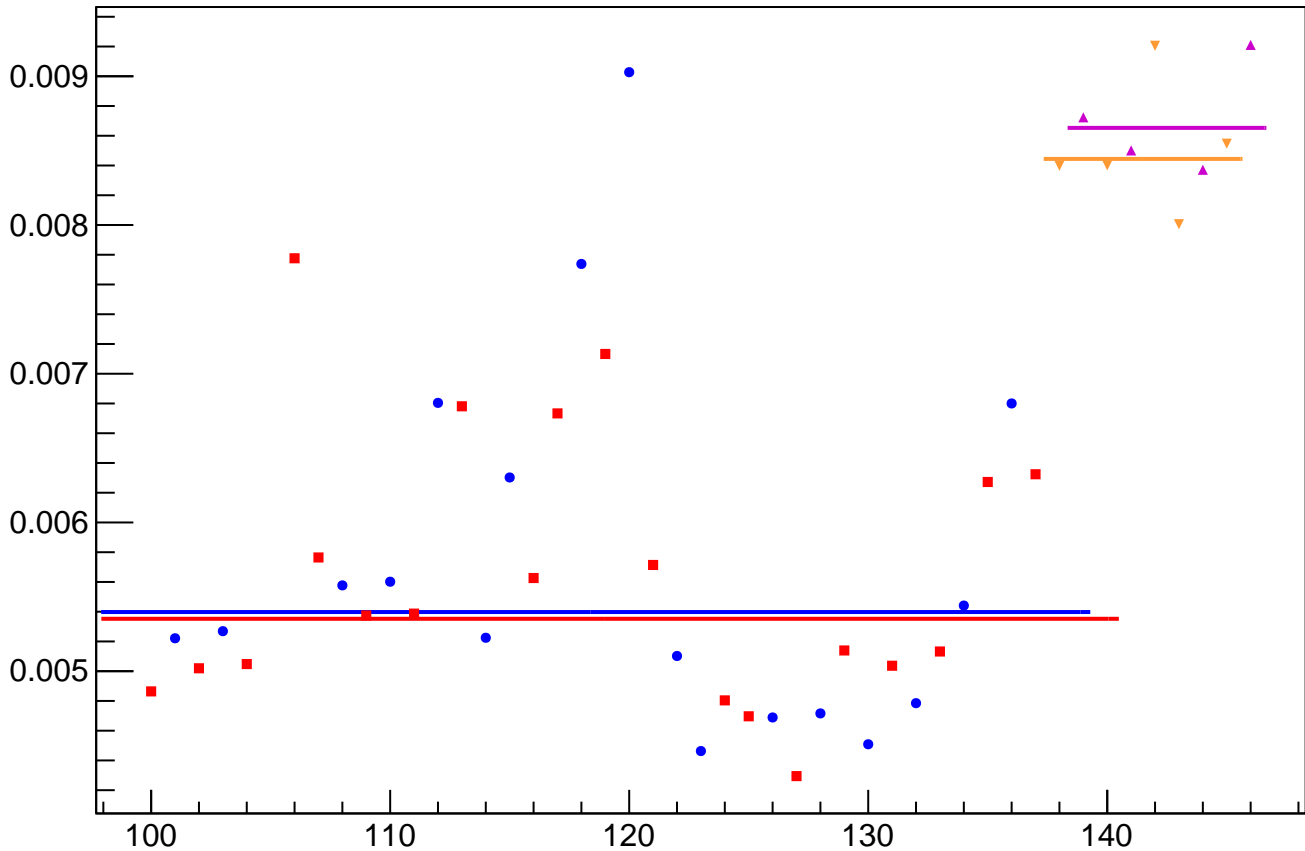
Right Out: -5.920 \pm 0.000 χ^2 /NDF: 12786449843.6/19

Left In: -7.546 \pm 0.000 χ^2 /NDF: 431124692.9/3

-6.164 \pm 0.000 χ^2 /NDF: 93349195033.4/21

-6.143 \pm 0.000 χ^2 /NDF: 94579171903.9/23

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 371347.4/16

Left Out: 0.008+/-0.000 χ^2/NDF :8360.6/4

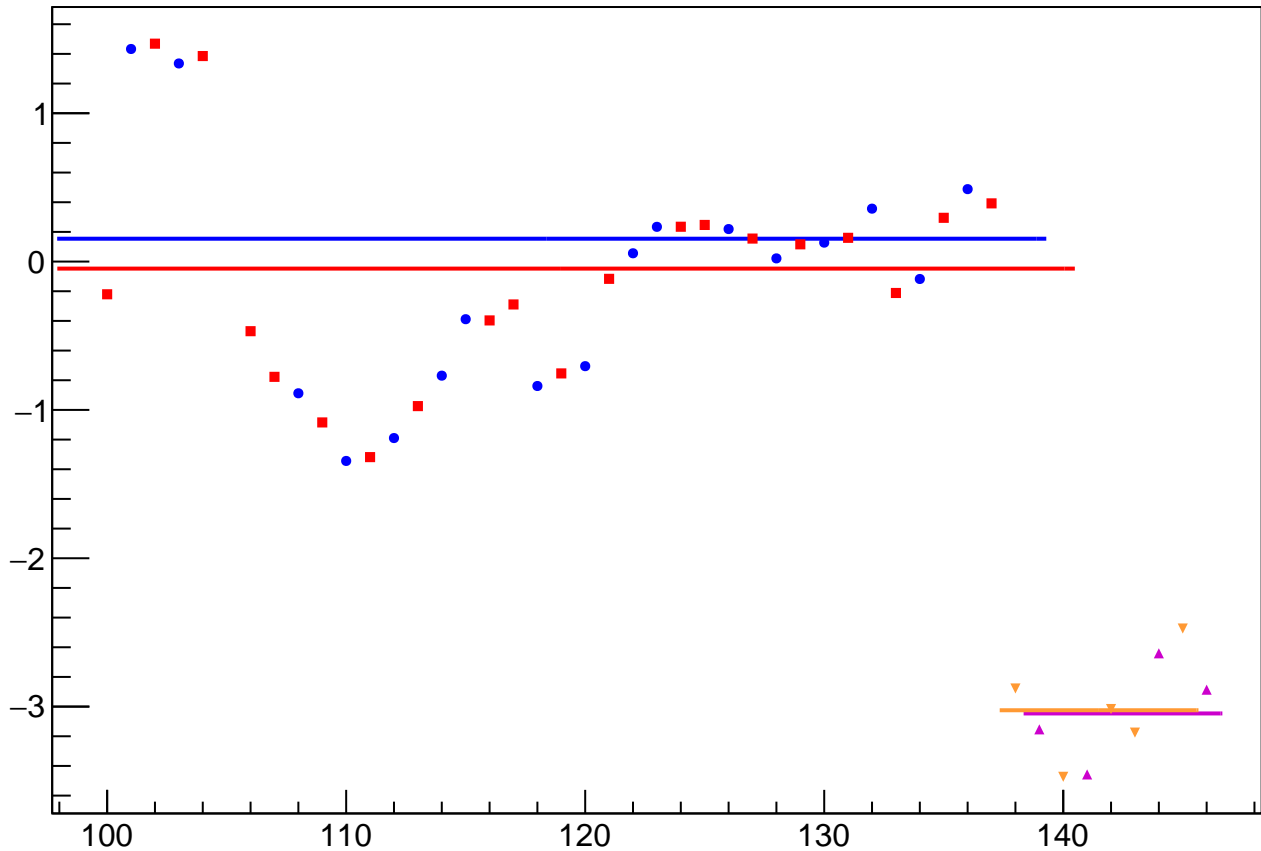
Right Out: 0.005+/-0.000 χ^2/NDF : 252664.1/19

Left In: 0.009+/-0.000 χ^2/NDF :6800.1/3

0.006+/-0.000 χ^2/NDF : 976711.0/21

0.006+/-0.000 χ^2/NDF : 929458.1/23

yield_bpm0l02X_mean vs Slug



Right In: 0.154 ± 0.000 $\chi^2/\text{NDF}: 16988256953.8/16$

-0.714 ± 0.000 $\chi^2/\text{NDF}: 103001204570.5/21$

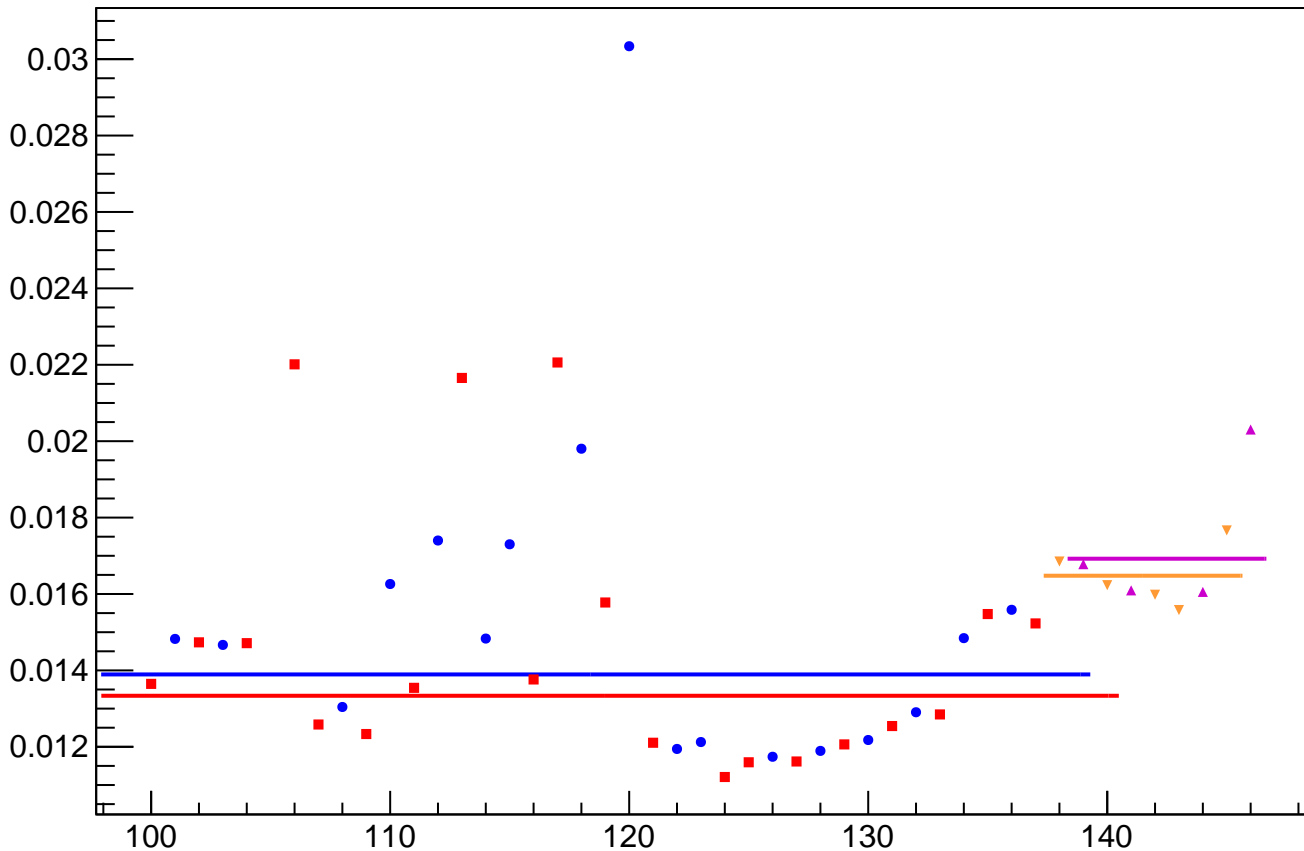
Left Out: -3.025 ± 0.000 $\chi^2/\text{NDF}: 1378941156.1/4$

Right Out: -0.047 ± 0.000 $\chi^2/\text{NDF}: 21216074494.2/19$

-0.711 ± 0.000 $\chi^2/\text{NDF}: 94989192326.4/23$

Left In: -3.046 ± 0.000 $\chi^2/\text{NDF}: 1127571383.4/3$

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

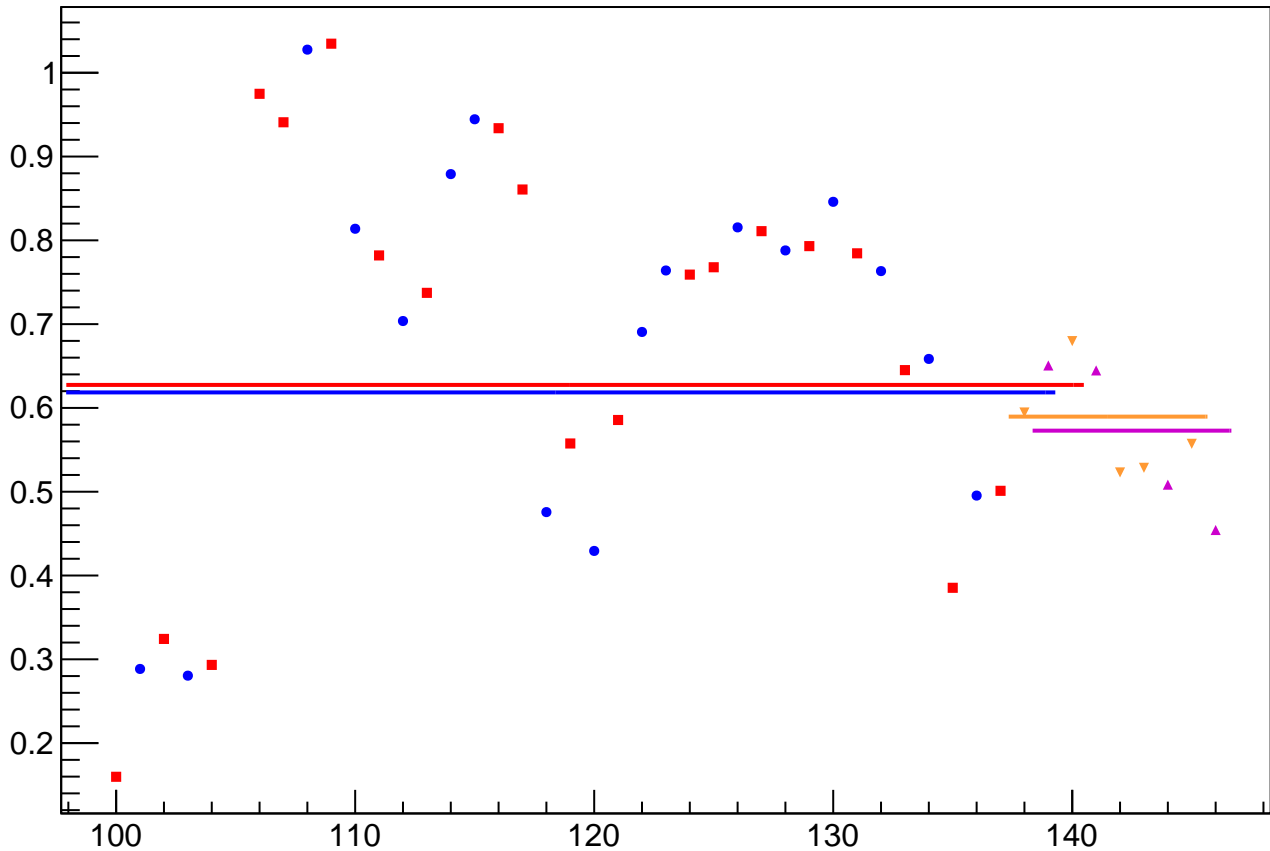
Right Out: 0.013+/-0.000 χ^2 /NDF: 303459.9/19

Left In: 0.017+/-0.000 χ^2 /NDF:47899.7/3

0.015+/-0.000 χ^2 /NDF: 524496.9/21

0.014+/-0.000 χ^2 /NDF: 559296.9/23

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

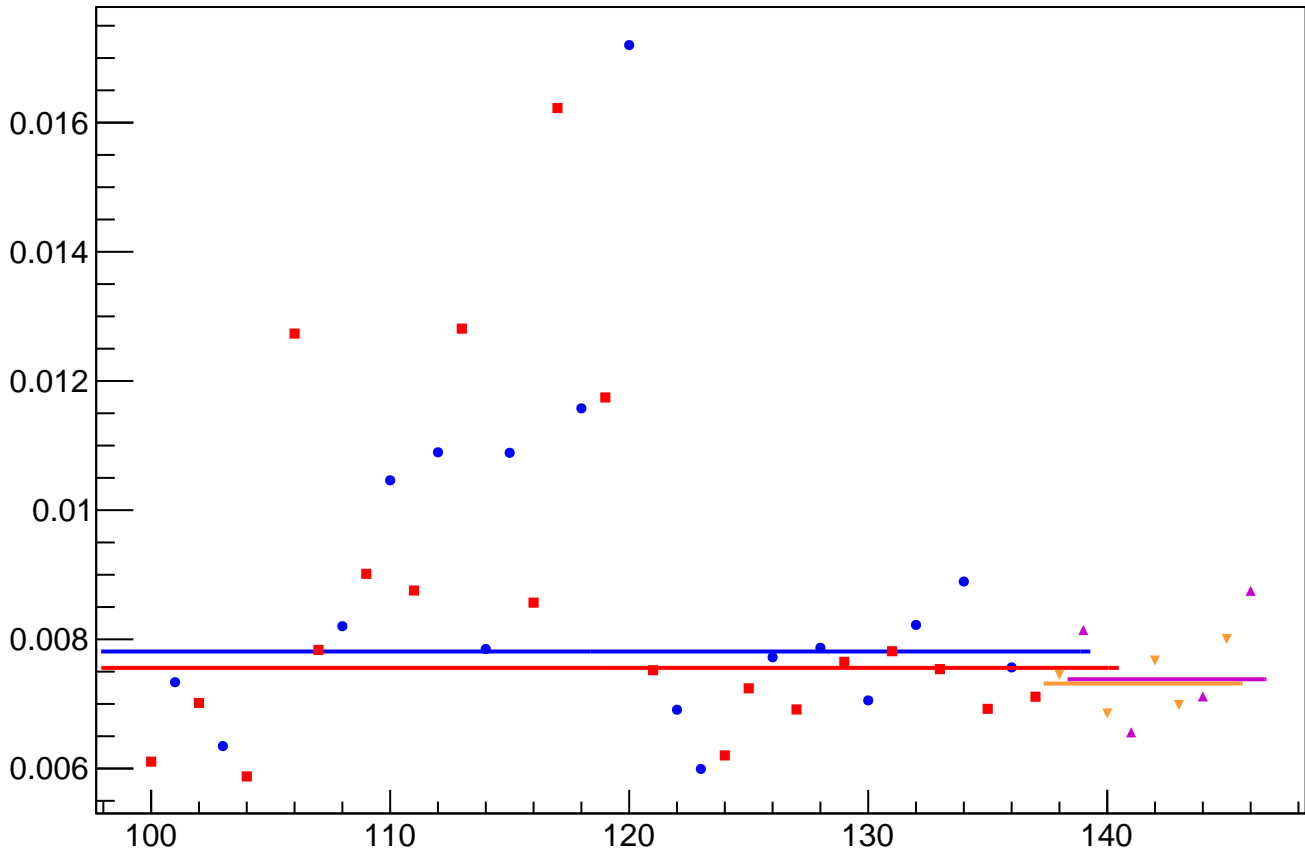
Right Out: 0.627+/-0.000 χ^2/NDF : 6345684740.0/19

Left In: 0.573+/-0.000 χ^2/NDF : 344598528.4/3

0.608+/-0.000 χ^2/NDF : 5655306504.1/21

0.610+/-0.000 χ^2/NDF : 6796069348.7/23

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

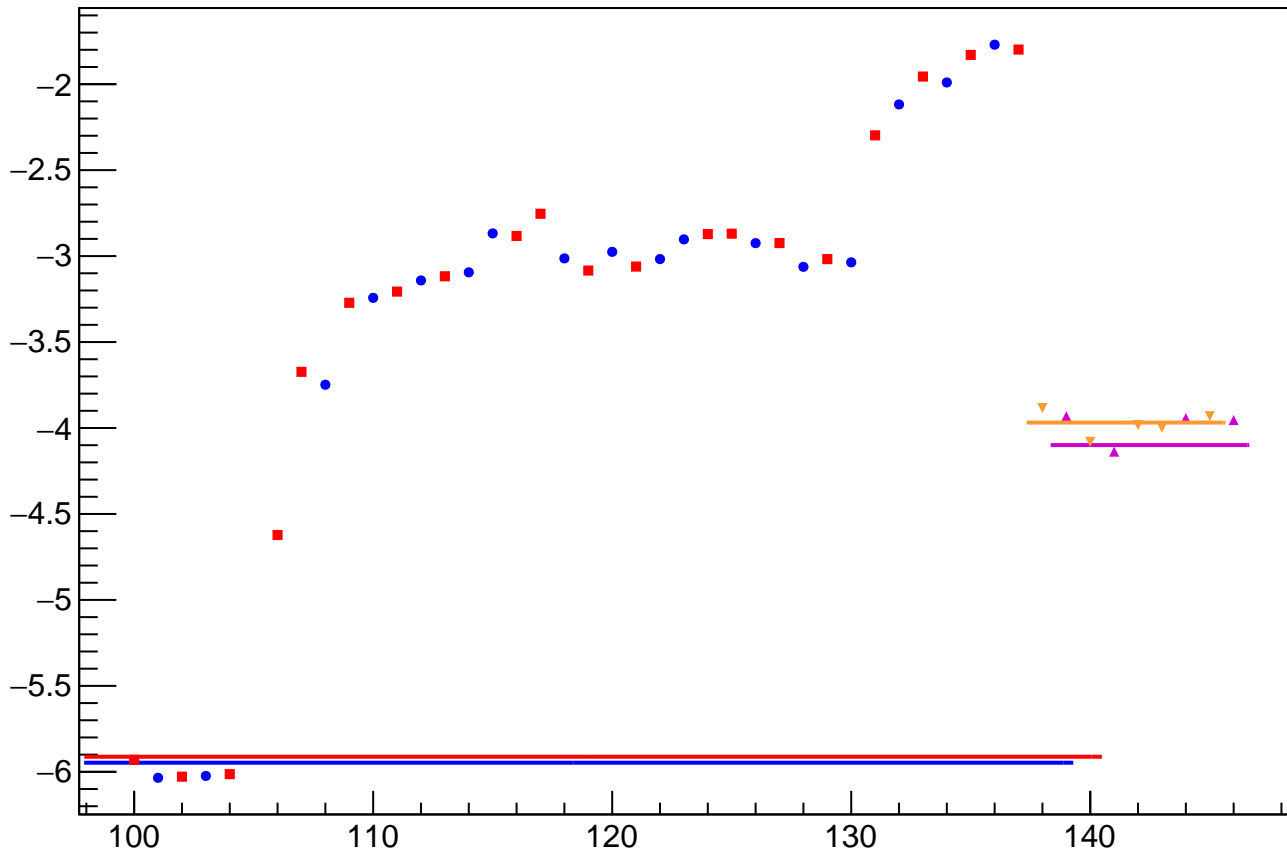
Right Out: 0.008+/-0.000 χ^2/NDF : 463232.7/19

Left In: 0.007+/-0.000 χ^2/NDF :72003.9/3

0.008+/-0.000 χ^2/NDF : 504919.8/21

0.008+/-0.000 χ^2/NDF : 537453.9/23

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

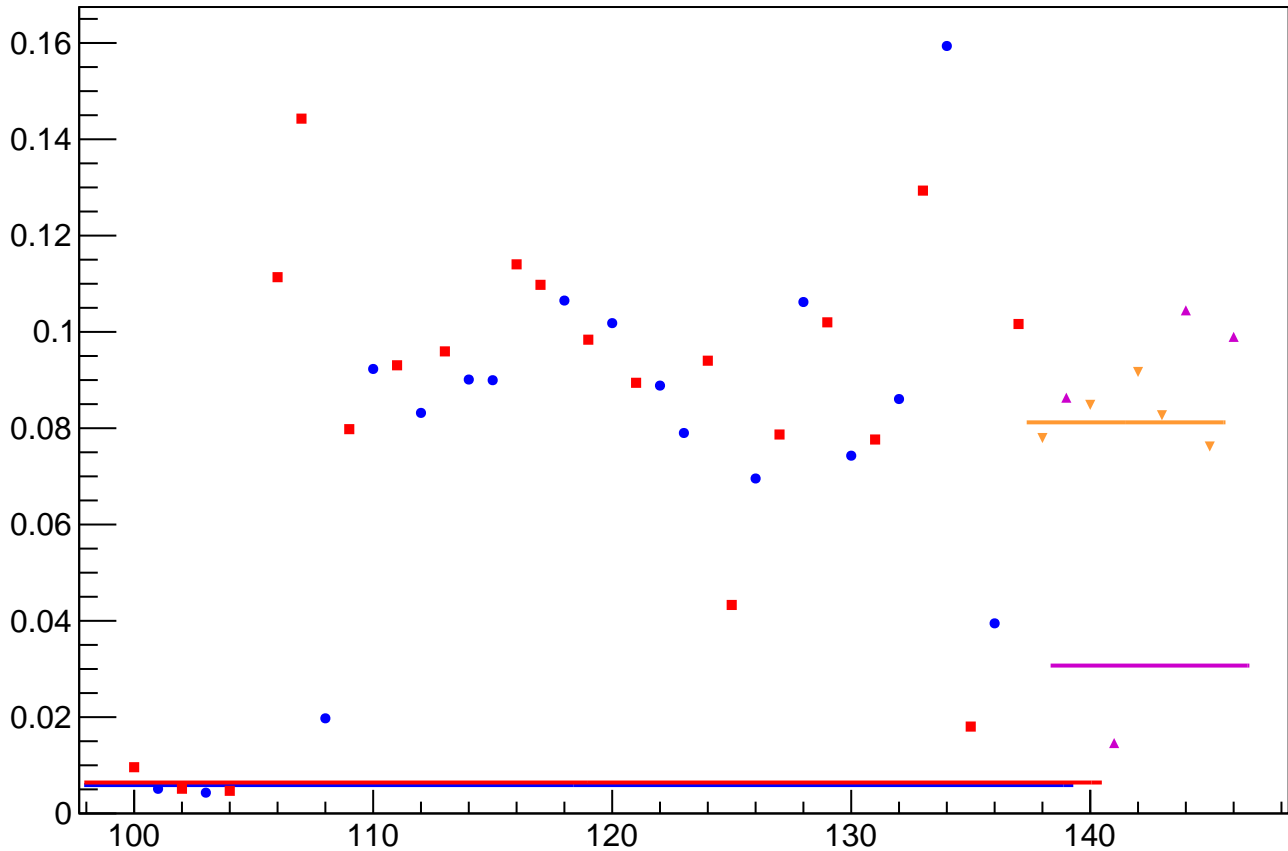
-5.928+/-0.000 χ^2/NDF : 14938461242.4/21

Right Out: -5.912+/-0.000 χ^2/NDF : 14648055548.9/19

-5.862+/-0.000 χ^2/NDF : 18121497162.4/23

Left In: -4.099+/-0.000 χ^2/NDF : 6453341.7/3

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

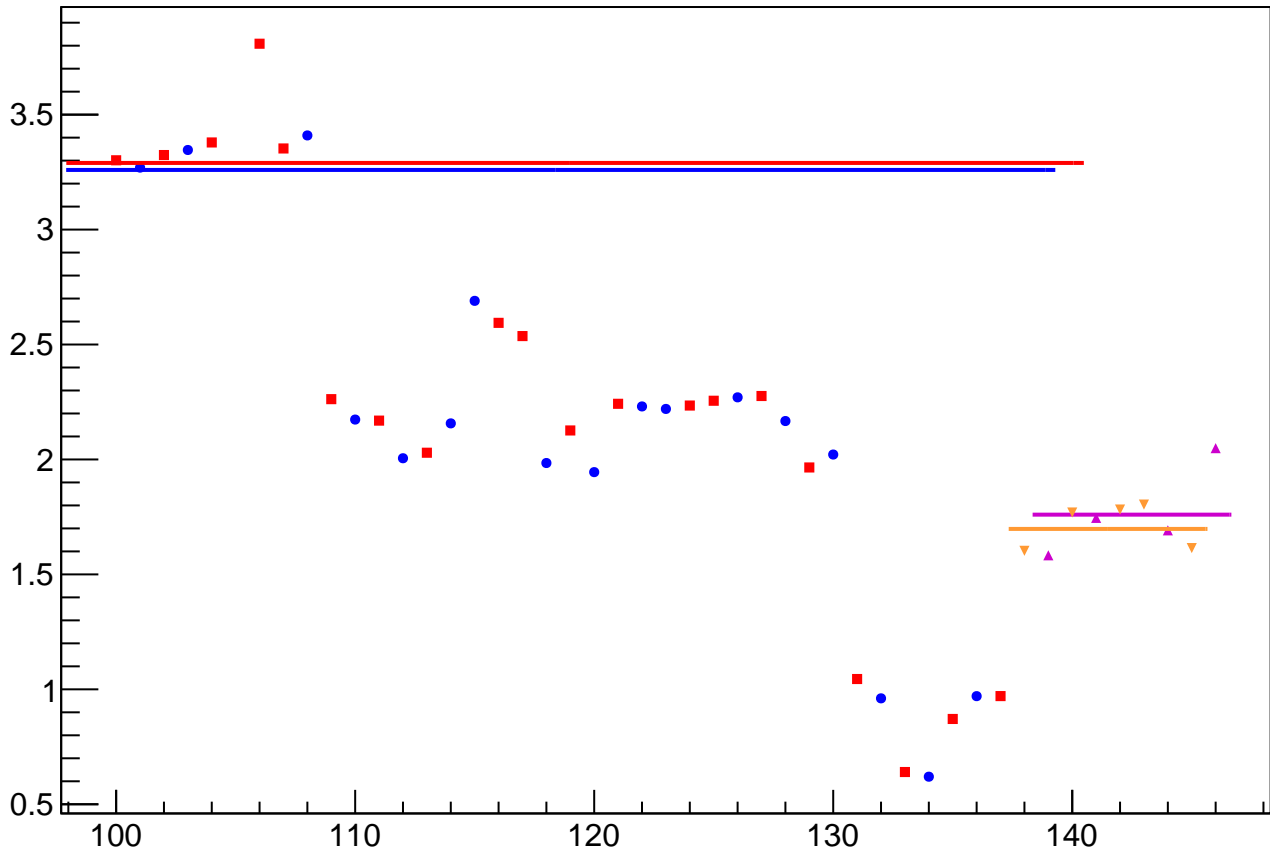
Right Out: 0.006+/-0.000 χ^2/NDF : 8558731.2/19

Left In: 0.031+/-0.000 χ^2/NDF : 2336669.0/3

0.007+/-0.000 χ^2/NDF : 13087727.7/21

0.007+/-0.000 χ^2/NDF : 12139743.1/23

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

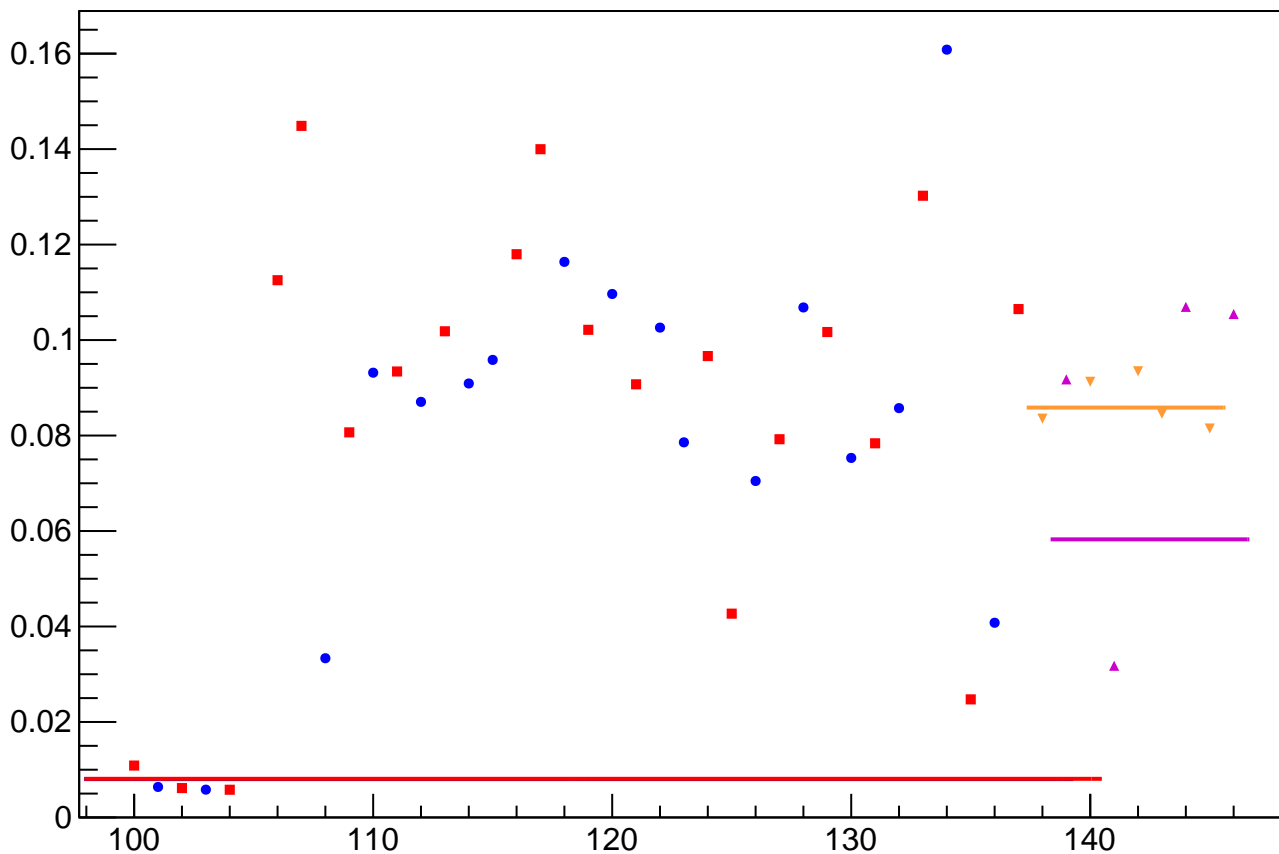
Right Out: 3.290 ± 0.000 χ^2/NDF : 3263300926.6/19

Left In: 1.760 ± 0.000 χ^2/NDF : 7836848.4/3

3.237 ± 0.000 χ^2/NDF : 3912541897.7/21

3.261 ± 0.000 χ^2/NDF : 4448272036.2/23

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

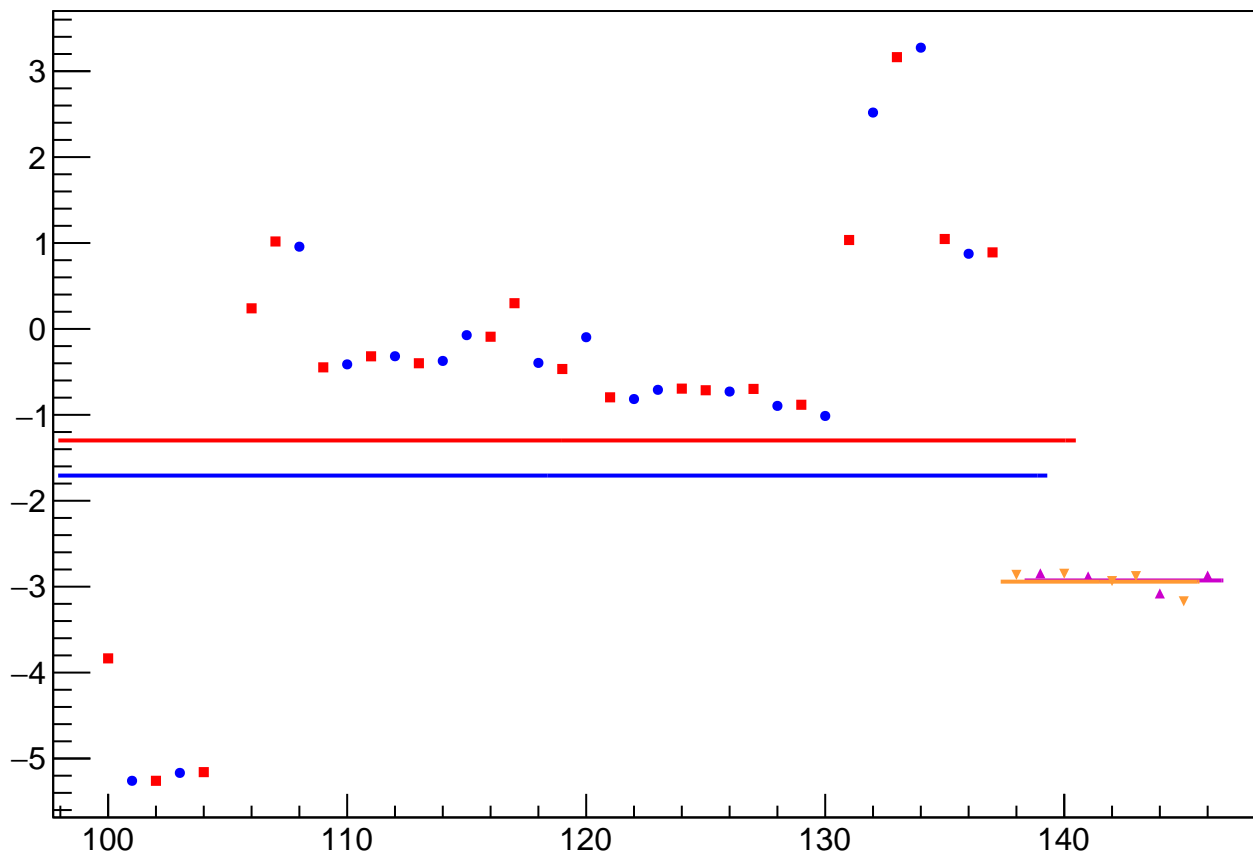
Right Out: 0.008+/-0.000 χ^2/NDF : 8375005.0/19

Left In: 0.058+/-0.000 χ^2/NDF :1200573.2/3

0.009+/-0.000 χ^2/NDF : 12661220.5/21

0.009+/-0.000 χ^2/NDF : 12106123.3/23

yield_bpm0l04X_mean vs Slug



Right In: -1.707 ± 0.000 $\chi^2/\text{NDF}: 166125579390.4/16$

Left Out: -2.941 ± 0.000 $\chi^2/\text{NDF}: 917004268.7/4$

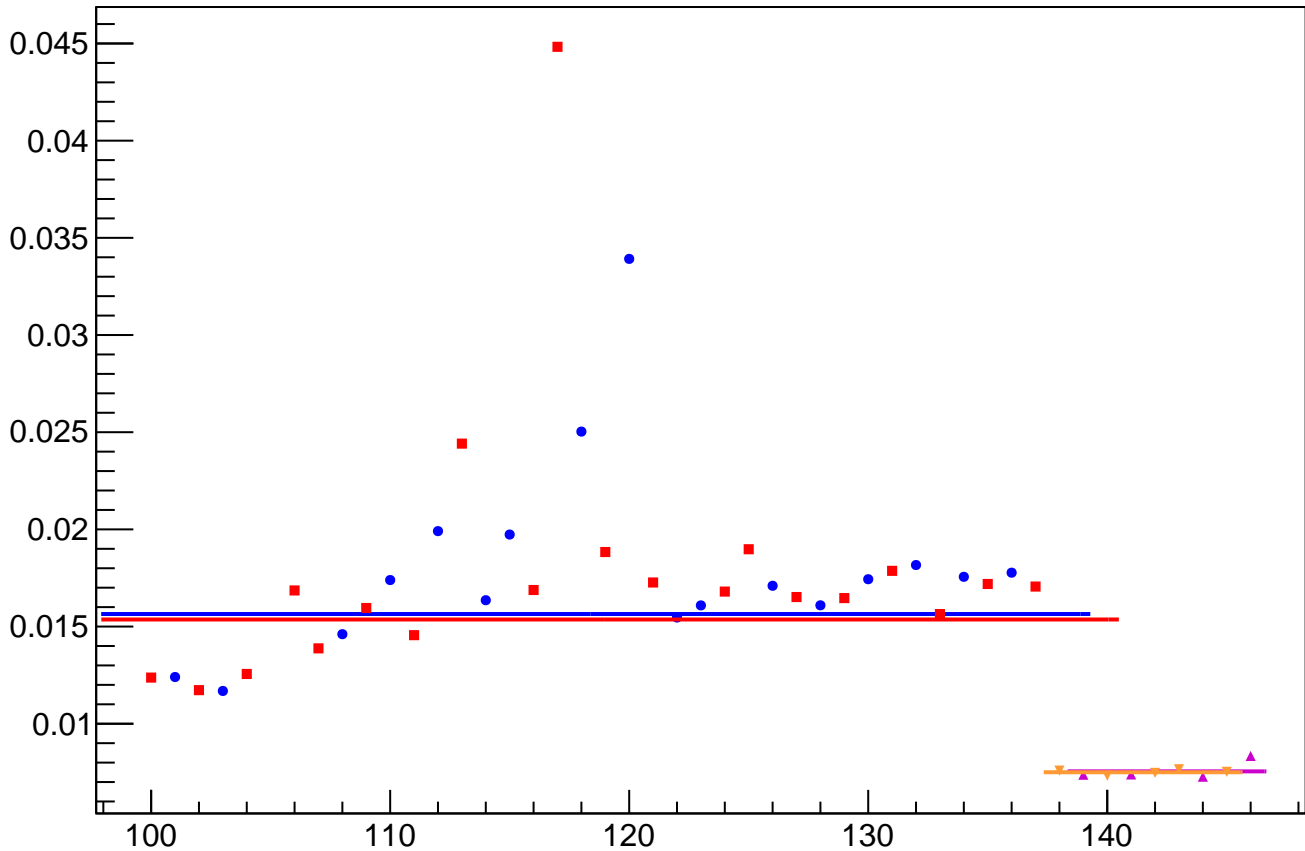
-2.587 ± 0.000 $\chi^2/\text{NDF}: 191918008974.1/21$

Right Out: -1.298 ± 0.000 $\chi^2/\text{NDF}: 178085926993.4/19$

-2.394 ± 0.000 $\chi^2/\text{NDF}: 225635987664.7/23$

Left In: -2.928 ± 0.000 $\chi^2/\text{NDF}: 509822458.3/3$

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

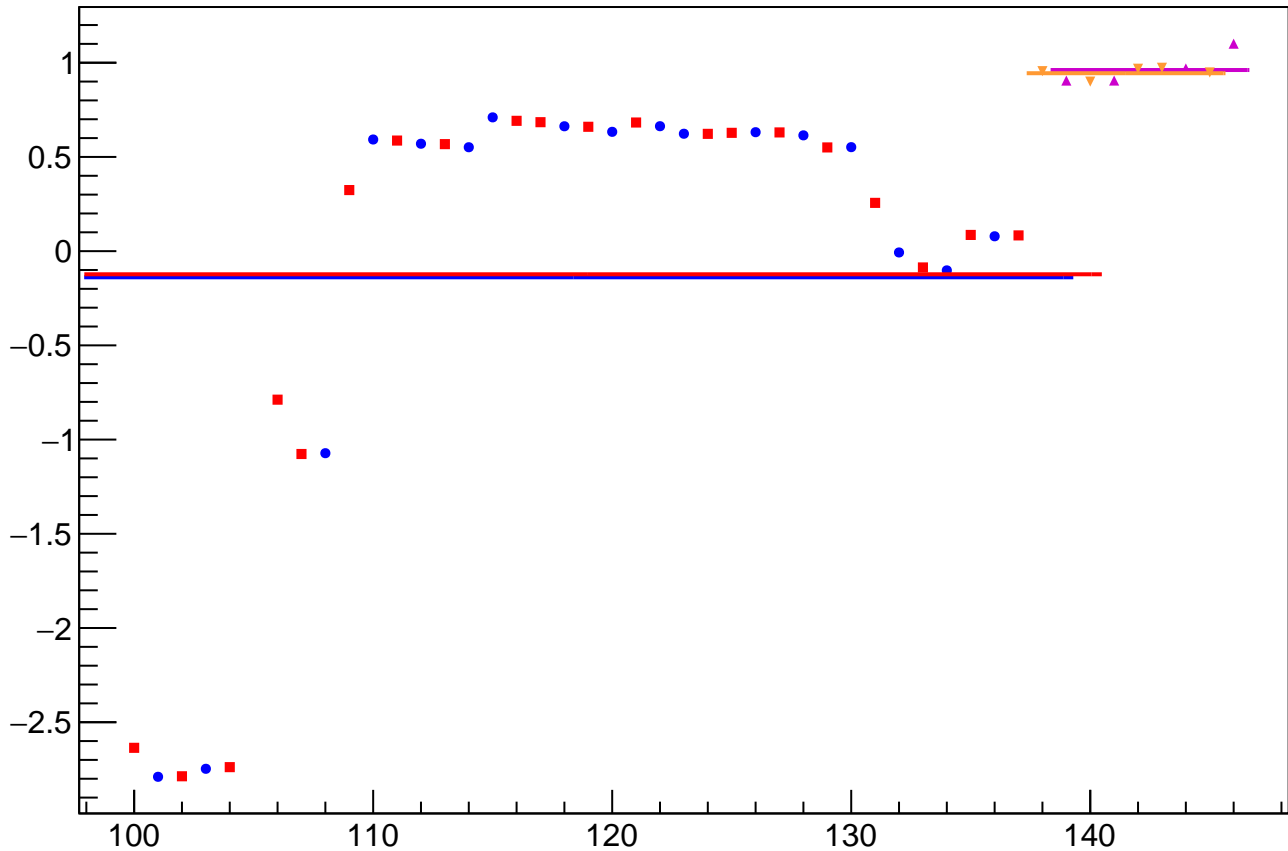
Right Out: 0.015+/-0.000 χ^2/NDF : 387283.2/19

Left In: 0.008+/-0.000 χ^2/NDF : 17733.9/3

0.010+/-0.000 χ^2/NDF : 2742707.9/21

0.010+/-0.000 χ^2/NDF : 2569060.0/23

yield_bpm0l04Y_mean vs Slug



Right In: -0.139 ± 0.000 $\chi^2/\text{NDF}: 715049983856.2/16$

-0.022 ± 0.000 $\chi^2/\text{NDF}: 779829014665.0/21$

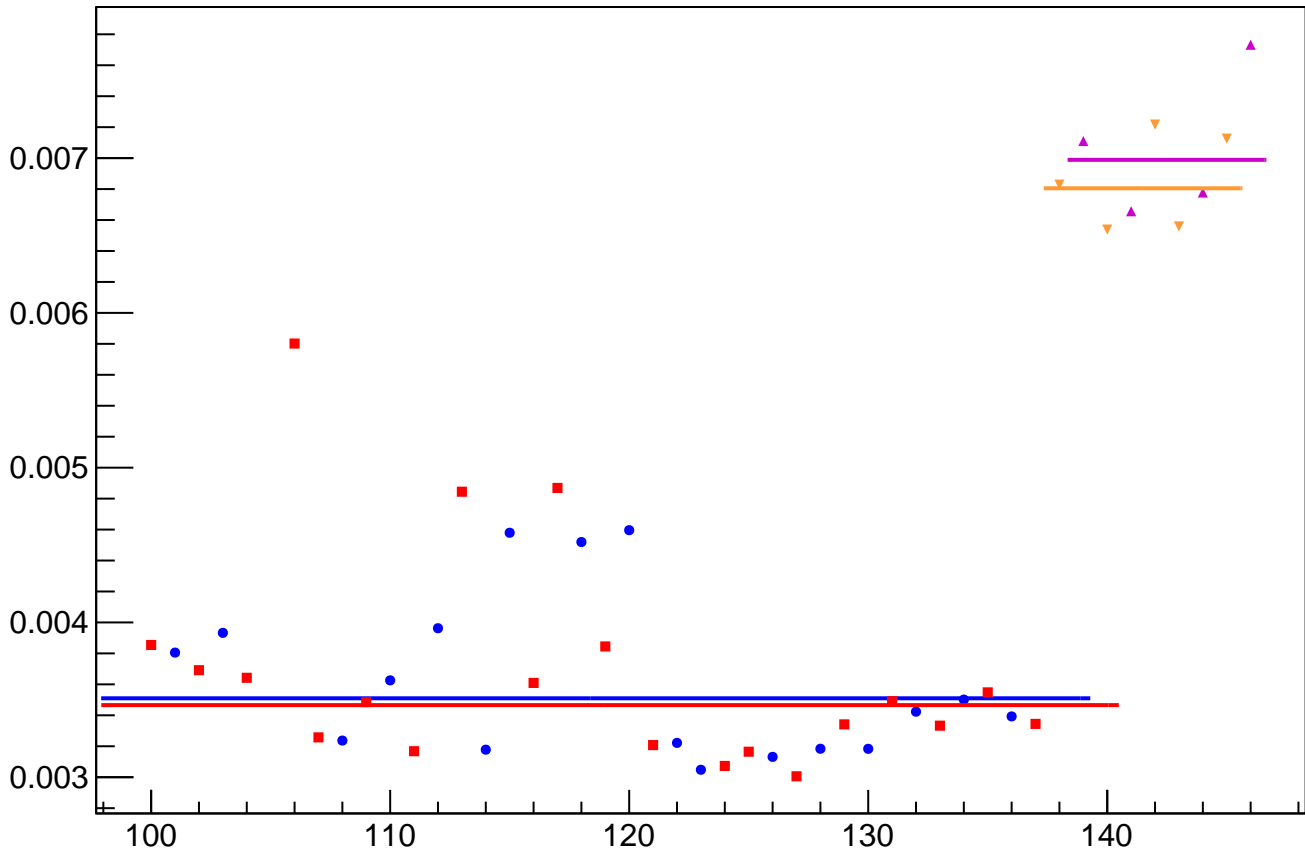
Left Out: 0.944 ± 0.000 $\chi^2/\text{NDF}: 48728156.9/4$

Right Out: -0.123 ± 0.000 $\chi^2/\text{NDF}: 762580598699.5/19$

-0.023 ± 0.000 $\chi^2/\text{NDF}: 823872626538.3/23$

Left In: 0.961 ± 0.000 $\chi^2/\text{NDF}: 303618135.3/3$

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 \pm 0.000 χ^2 /NDF: 171337.9/16

Left Out: 0.007 \pm 0.000 χ^2 /NDF:8963.9/4

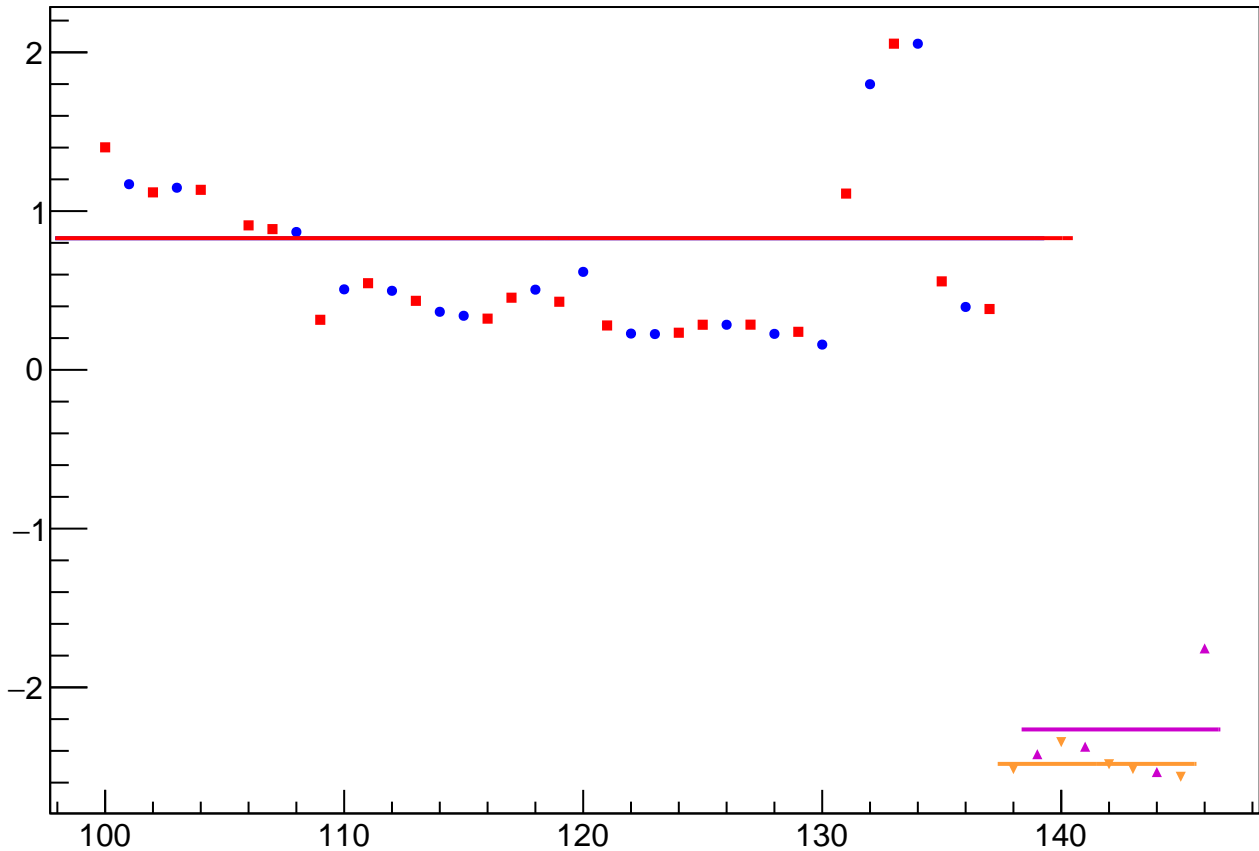
Right Out: 0.003 \pm 0.000 χ^2 /NDF: 222524.1/19

Left In: 0.007 \pm 0.000 χ^2 /NDF:17662.4/3

0.004 \pm 0.000 χ^2 /NDF: 1378722.6/21

0.004 \pm 0.000 χ^2 /NDF: 1528436.8/23

yield_bpm0l05X_mean vs Slug



Right In: 0.829 \pm 0.000 χ^2 /NDF: 31718573821.2/16

-0.287 \pm 0.000 χ^2 /NDF: 545490903793.7/21

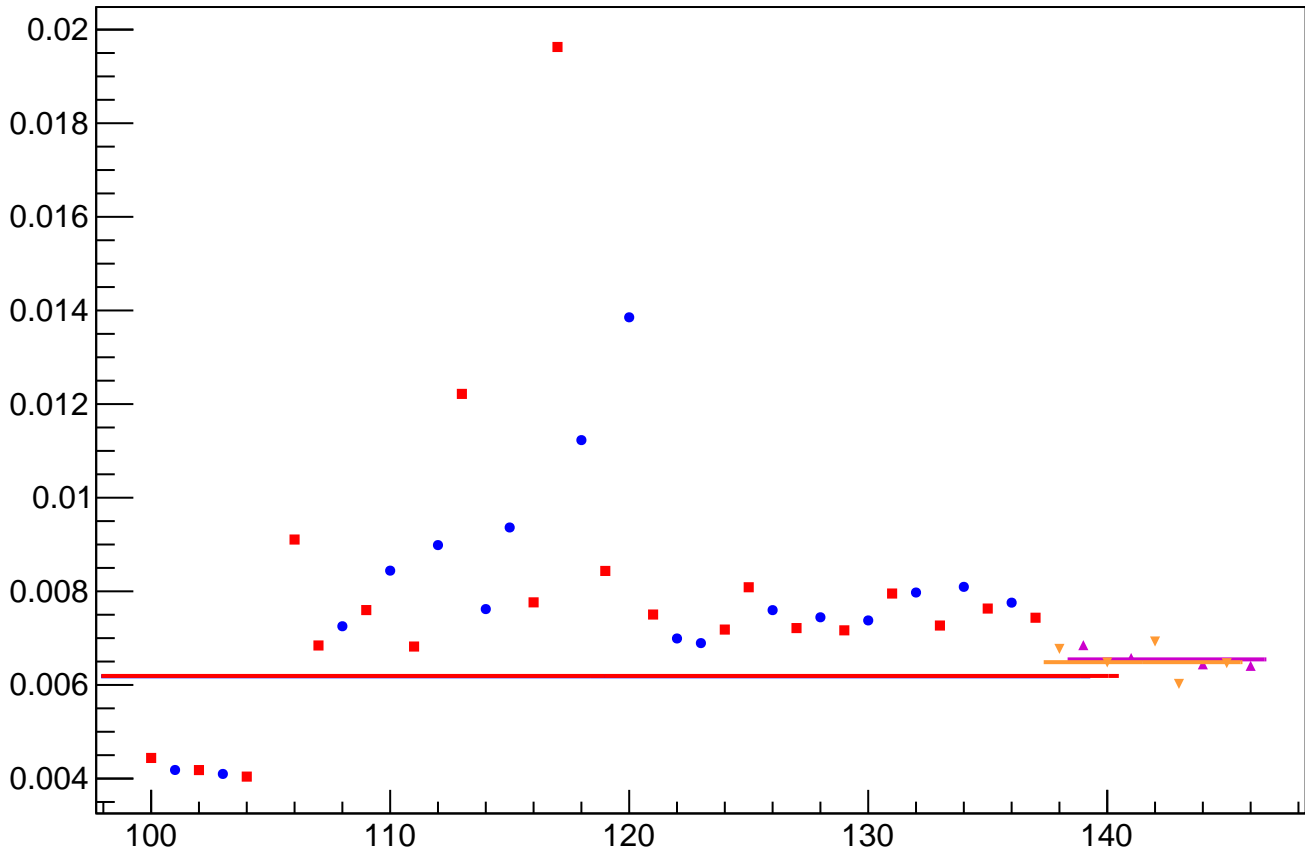
Left Out: -2.482 \pm 0.000 χ^2 /NDF: 460947310.7/4

Right Out: 0.830 \pm 0.000 χ^2 /NDF: 33349713412.0/19

-0.132 \pm 0.000 χ^2 /NDF: 492510355946.6/23

Left In: -2.265 \pm 0.000 χ^2 /NDF: 6594636581.3/3

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1228962.4/16

0.006+/-0.000 χ^2/NDF : 1249373.2/21

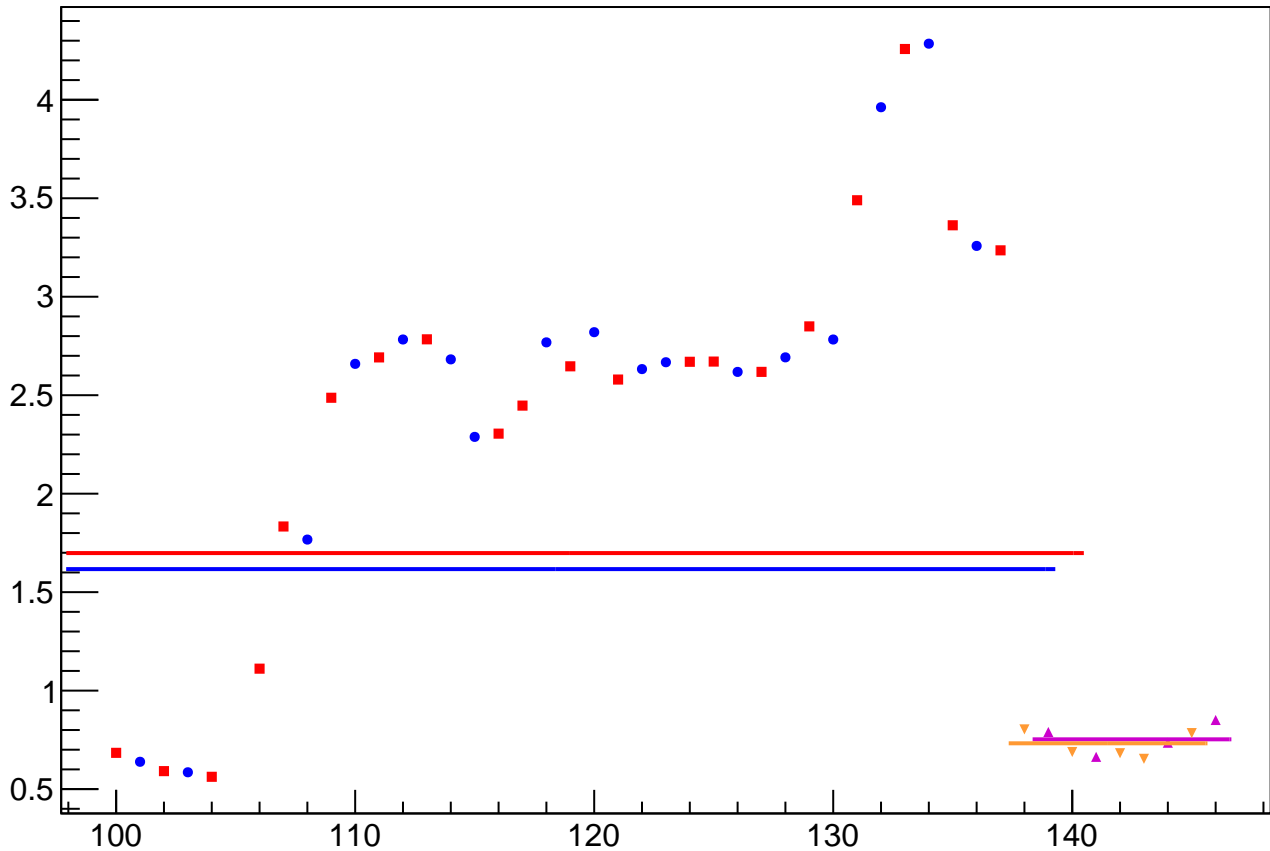
Left Out: 0.006+/-0.000 χ^2/NDF : 11866.7/4

Right Out: 0.006+/-0.000 χ^2/NDF : 1062886.2/19

0.006+/-0.000 χ^2/NDF : 1078243.8/23

Left In: 0.007+/-0.000 χ^2/NDF : 3541.6/3

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

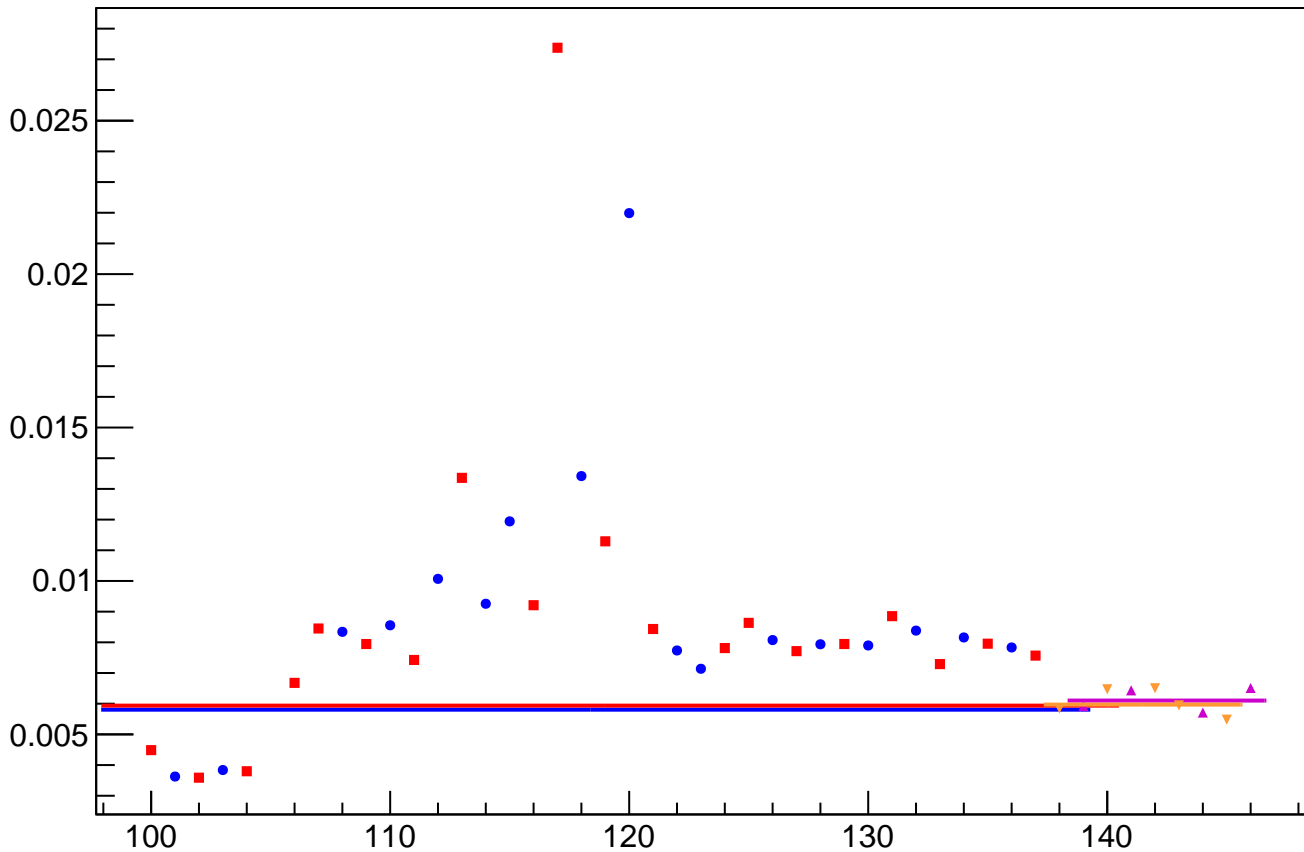
1.305 \pm 0.000 χ^2/NDF : 242718925383.5/21

Right Out: 1.698 \pm 0.000 χ^2/NDF : 227436227264.4/19

1.394 \pm 0.000 χ^2/NDF : 271676165879.2/23

Left In: 0.753 \pm 0.000 χ^2/NDF : 314332823.9/3

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

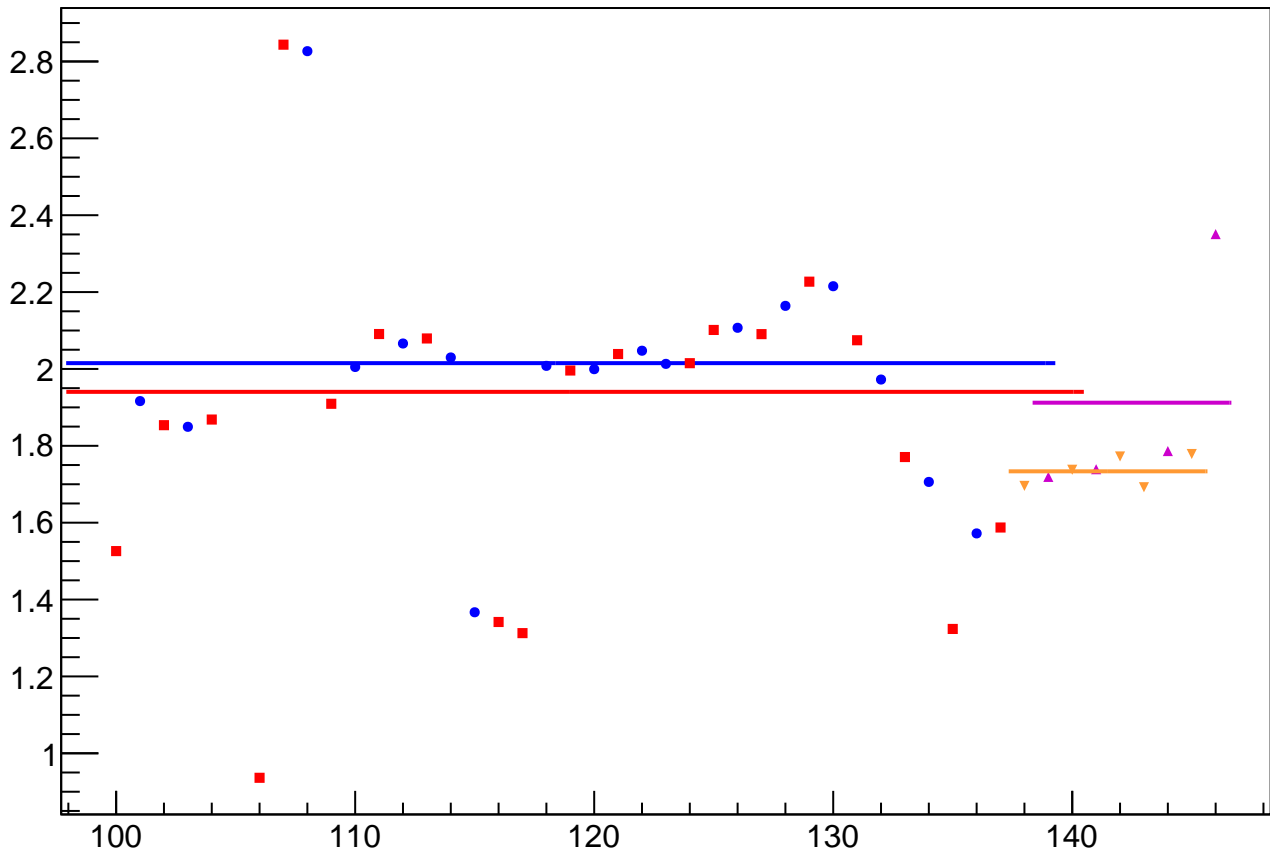
Right Out: 0.006+/-0.000 χ^2/NDF : 1731283.0/19

Left In: 0.006+/-0.000 χ^2/NDF :17145.0/3

0.006+/-0.000 χ^2/NDF : 1944615.2/21

0.006+/-0.000 χ^2/NDF : 1751092.6/23

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

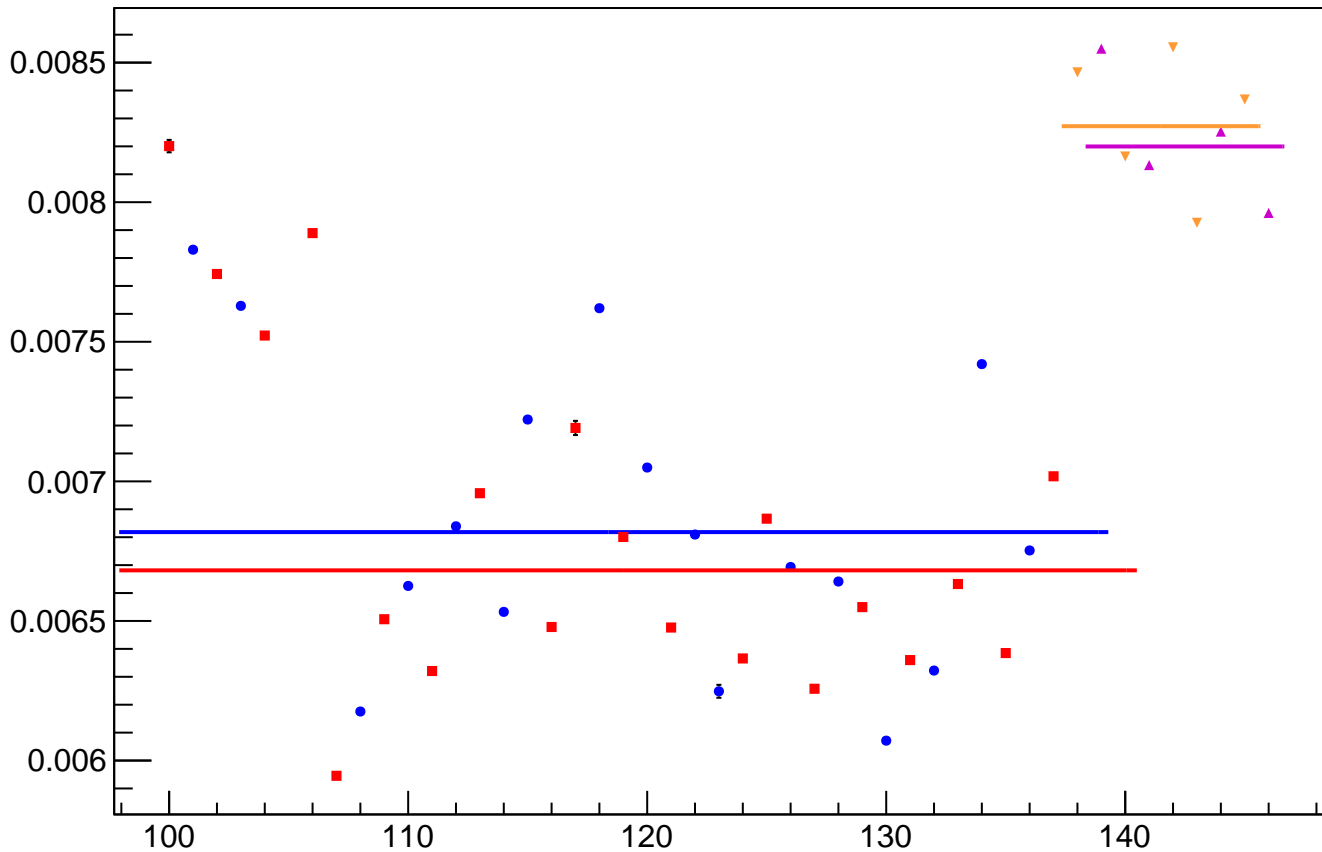
1.945+/-0.000 χ^2/NDF : 14991652829.6/21

Right Out: 1.940+/-0.000 χ^2/NDF : 21732099424.5/19

1.934+/-0.000 χ^2/NDF : 25002959728.1/23

Left In: 1.912+/-0.000 χ^2/NDF : 3242918117.6/3

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

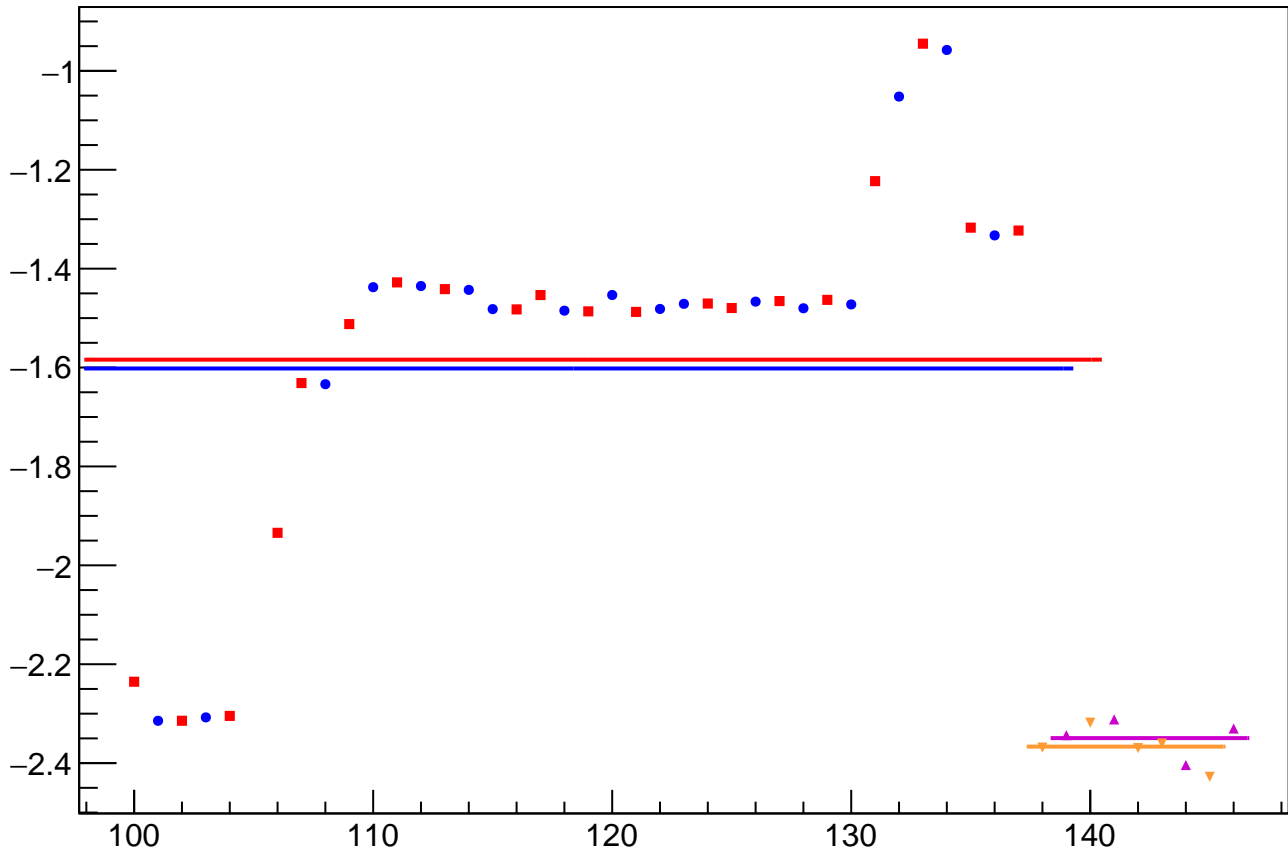
Right Out: 0.007+/-0.000 χ^2 /NDF: 76121.2/19

Left In: 0.008+/-0.000 χ^2 /NDF:3733.9/3

0.007+/-0.000 χ^2 /NDF: 224340.6/21

0.007+/-0.000 χ^2 /NDF: 241449.1/23

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

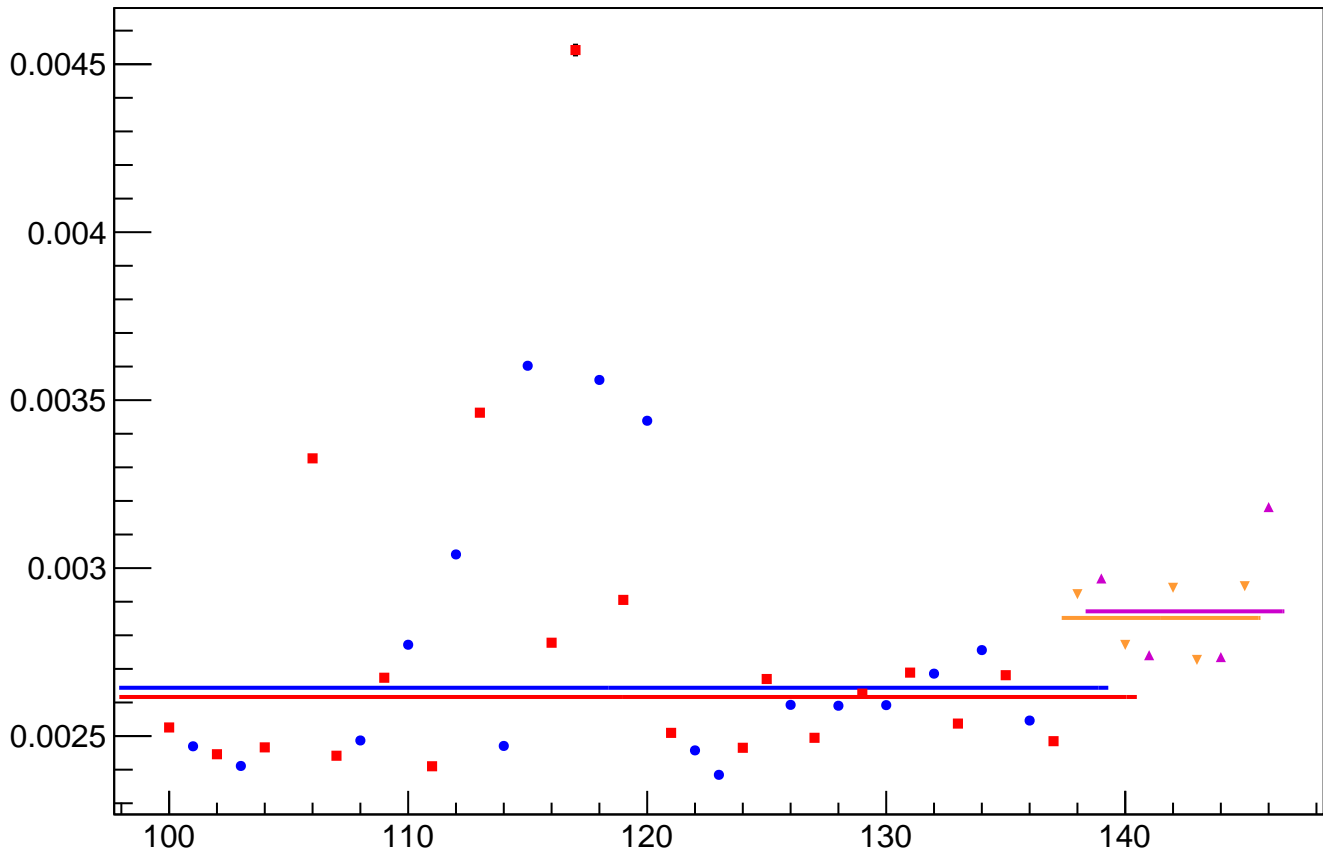
-1.826+/-0.000 χ^2 /NDF: 294527623045.8/21

Right Out: -1.584+/-0.000 χ^2 /NDF: 143612120137.8/19

-1.788+/-0.000 χ^2 /NDF: 297322075057.5/23

Left In: -2.349+/-0.000 χ^2 /NDF: 500445610.5/3

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

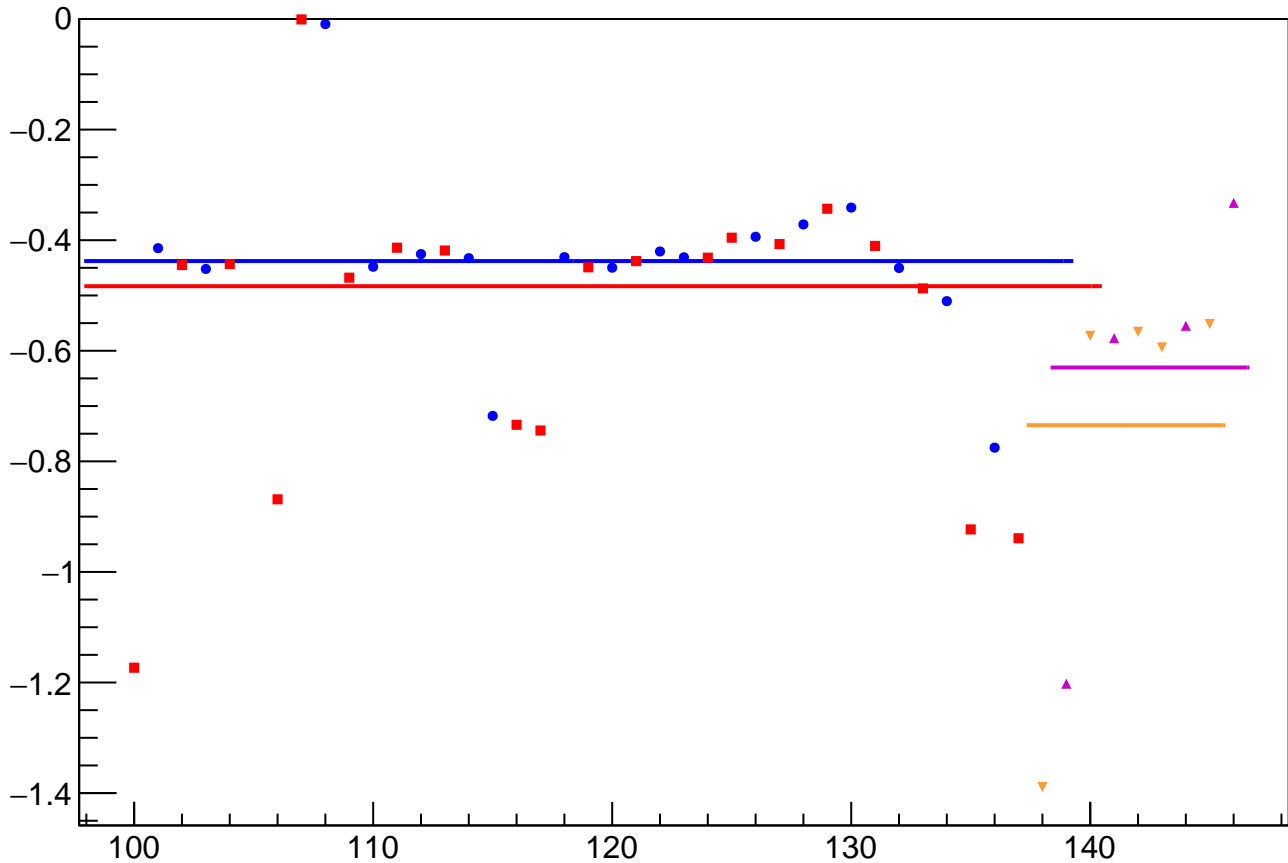
Right Out: 0.003+/-0.000 χ^2 /NDF: 119852.1/19

Left In: 0.003+/-0.000 χ^2 /NDF:22466.0/3

0.003+/-0.000 χ^2 /NDF: 180594.5/21

0.003+/-0.000 χ^2 /NDF: 176312.1/23

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

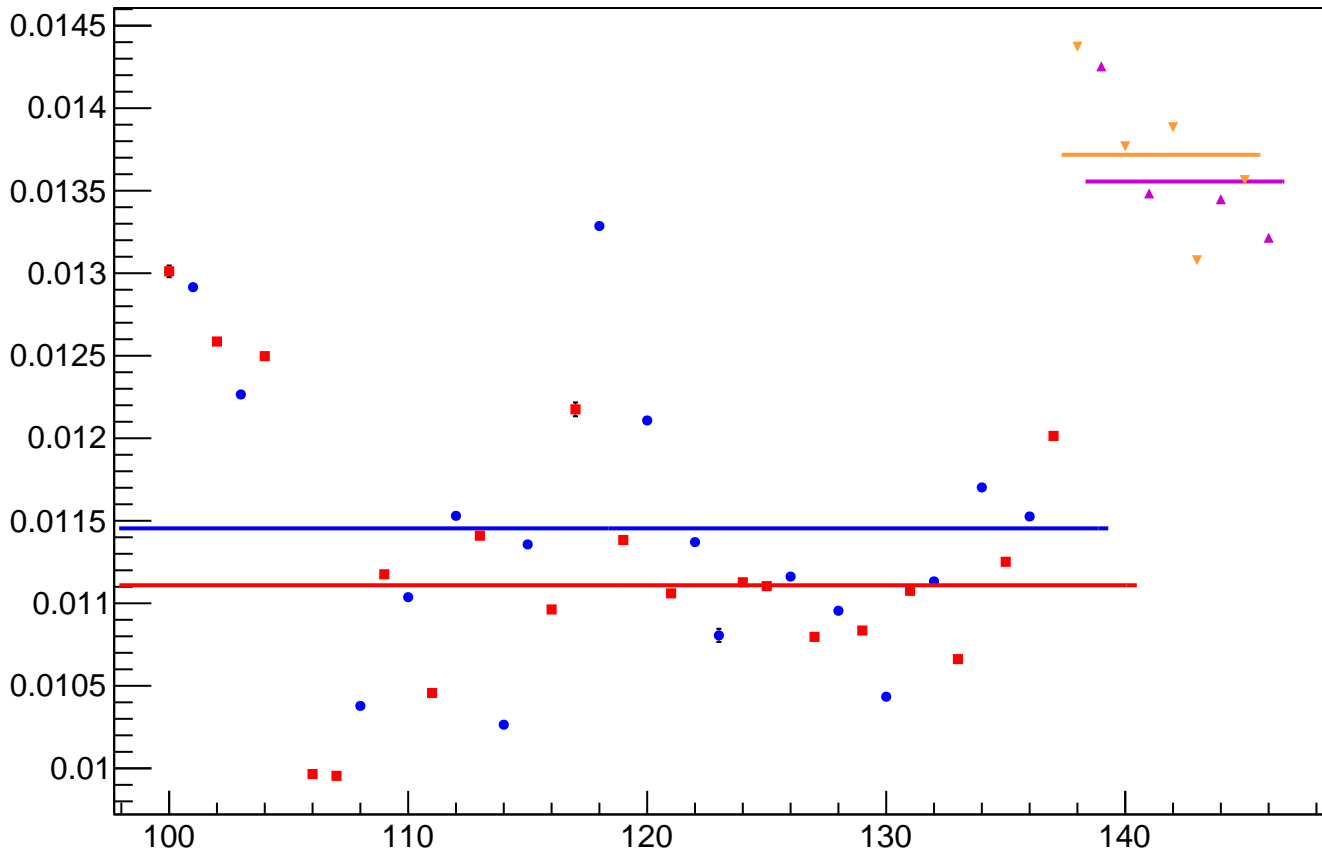
Right Out: -0.483 ± 0.000 χ^2/NDF : 2714164016.2/19

Left In: -0.630 ± 0.000 χ^2/NDF : 1465426281.3/3

-0.512 ± 0.000 χ^2/NDF : 4293847063.8/21

-0.516 ± 0.000 χ^2/NDF : 4453626684.7/23

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

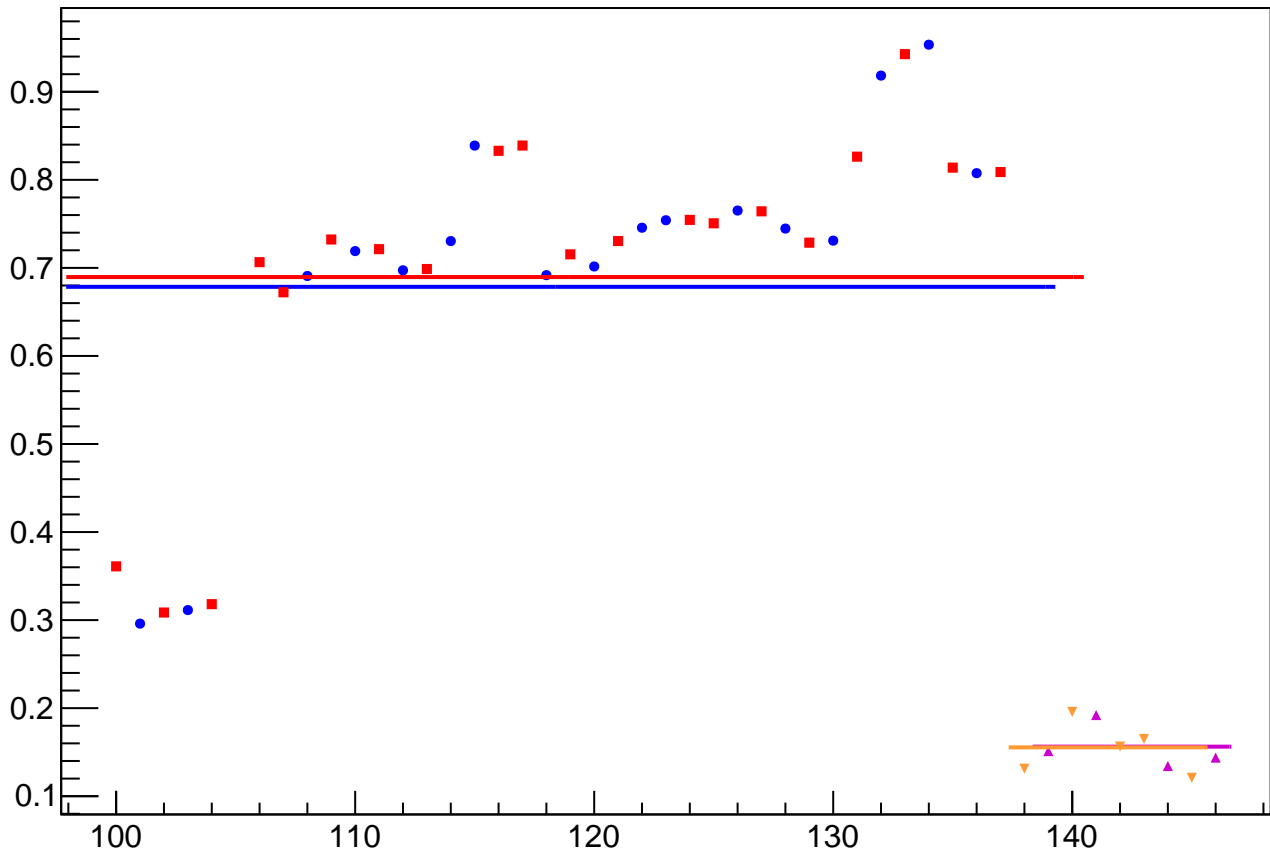
Right Out: 0.011+/-0.000 χ^2 /NDF: 56696.9/19

Left In: 0.014+/-0.000 χ^2 /NDF: 4264.6/3

0.012+/-0.000 χ^2 /NDF: 196019.2/21

0.012+/-0.000 χ^2 /NDF: 212668.7/23

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

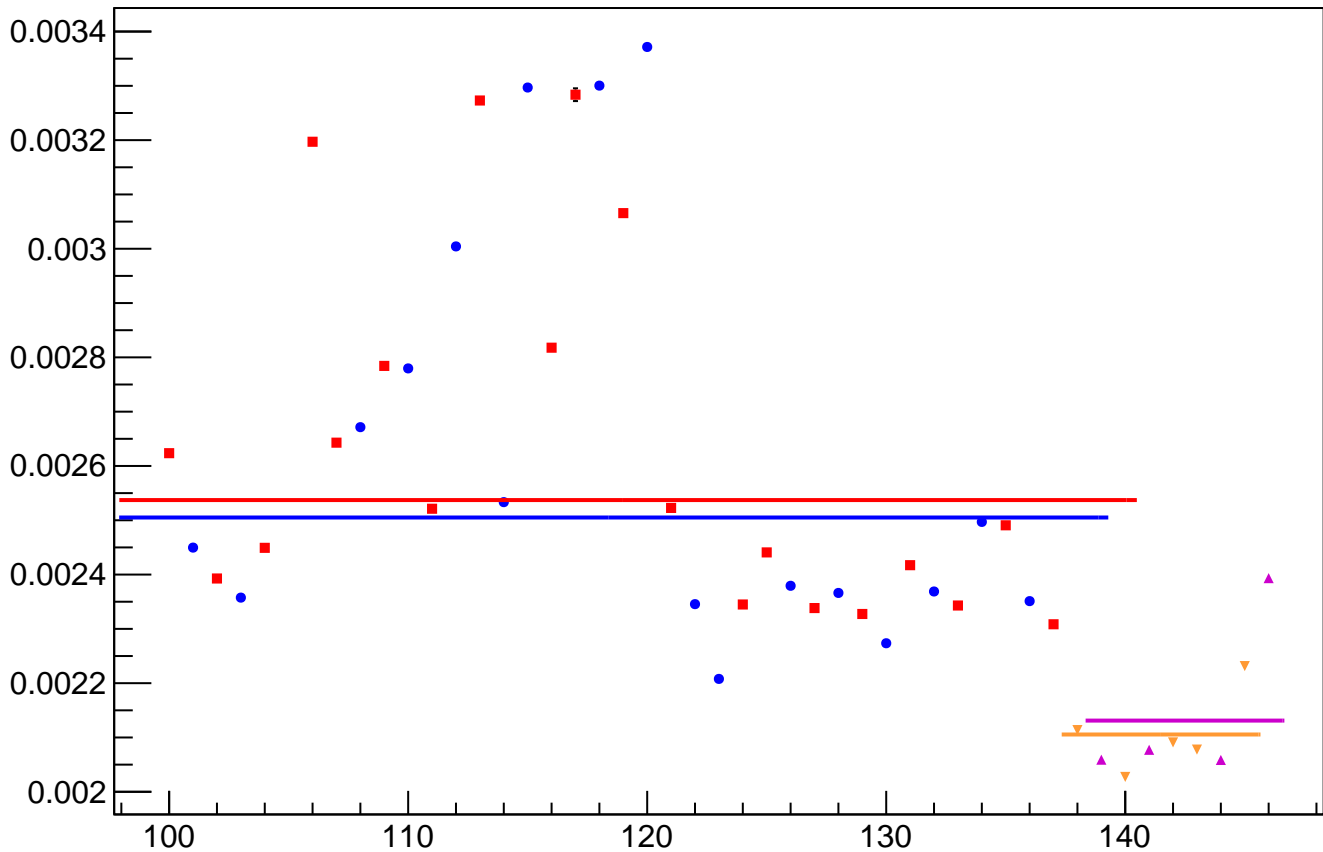
Right Out: 0.690+/-0.000 χ^2/NDF : 35439496983.3/19

Left In: 0.156+/-0.000 χ^2/NDF :372046808.2/3

0.458+/-0.000 χ^2/NDF : 156167900167.4/21

0.477+/-0.000 χ^2/NDF : 154436607485.7/23

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

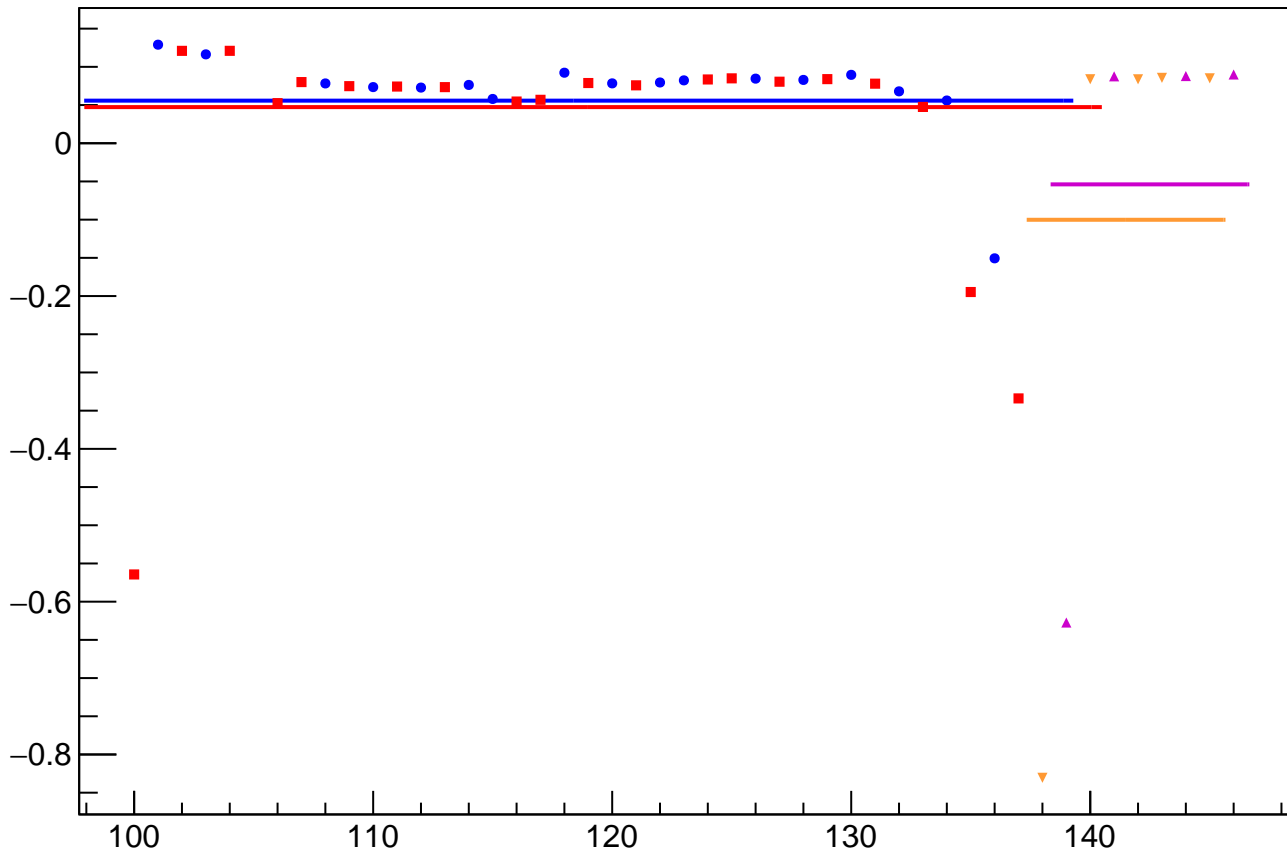
Right Out: 0.003+/-0.000 χ^2 /NDF: 135649.7/19

Left In: 0.002+/-0.000 χ^2 /NDF:24023.3/3

0.002+/-0.000 χ^2 /NDF: 319567.4/21

0.002+/-0.000 χ^2 /NDF: 297227.7/23

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

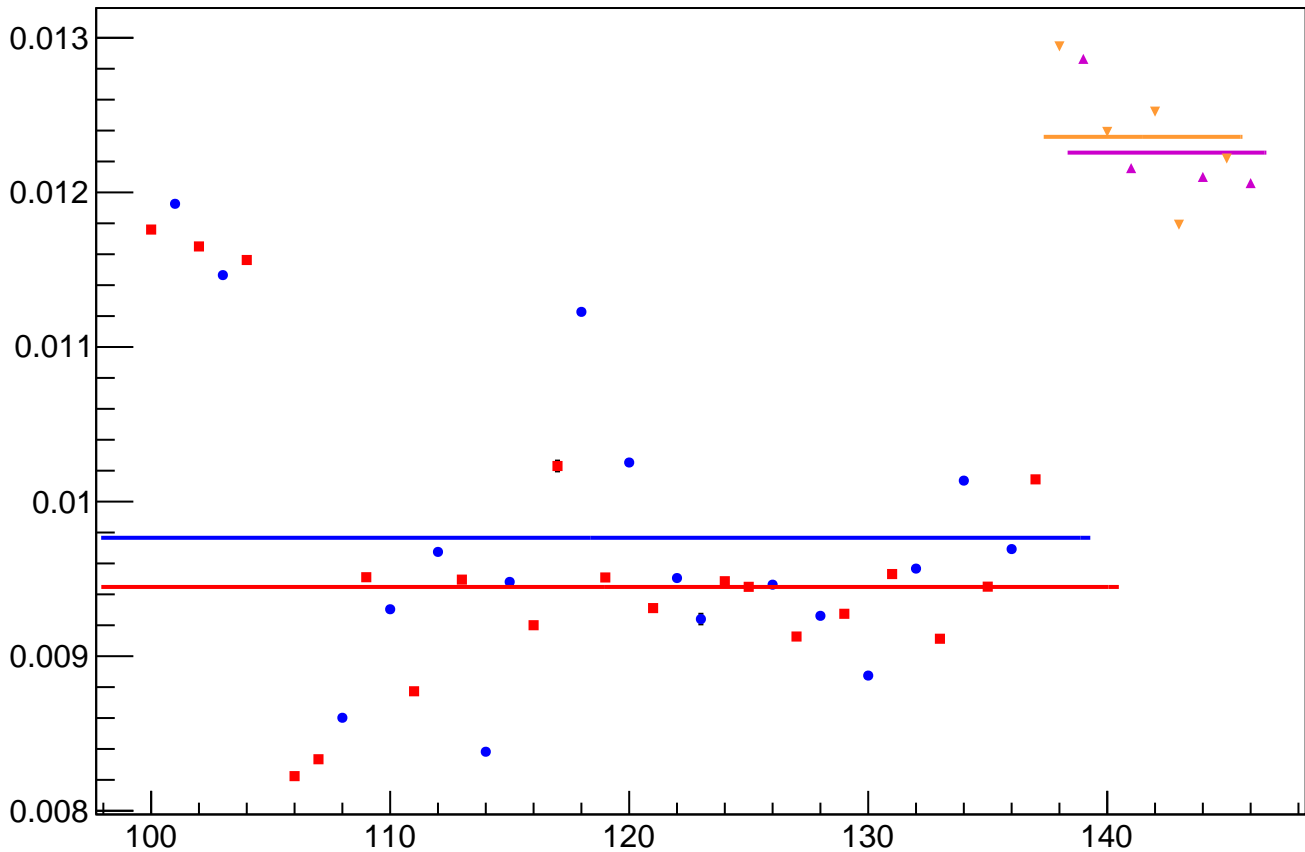
Right Out: 0.047+/-0.000 χ^2/NDF : 819626031.7/19

Left In: -0.054+/-0.000 χ^2/NDF : 1626718631.3/3

0.020+/-0.000 χ^2/NDF : 3502591903.8/21

0.027+/-0.000 χ^2/NDF : 2608629187.7/23

yield_bpm0l08X_rms vs Slug



Right In: 0.010 \pm 0.000 χ^2 /NDF: 116638.3/16

0.010 \pm 0.000 χ^2 /NDF: 330173.5/21

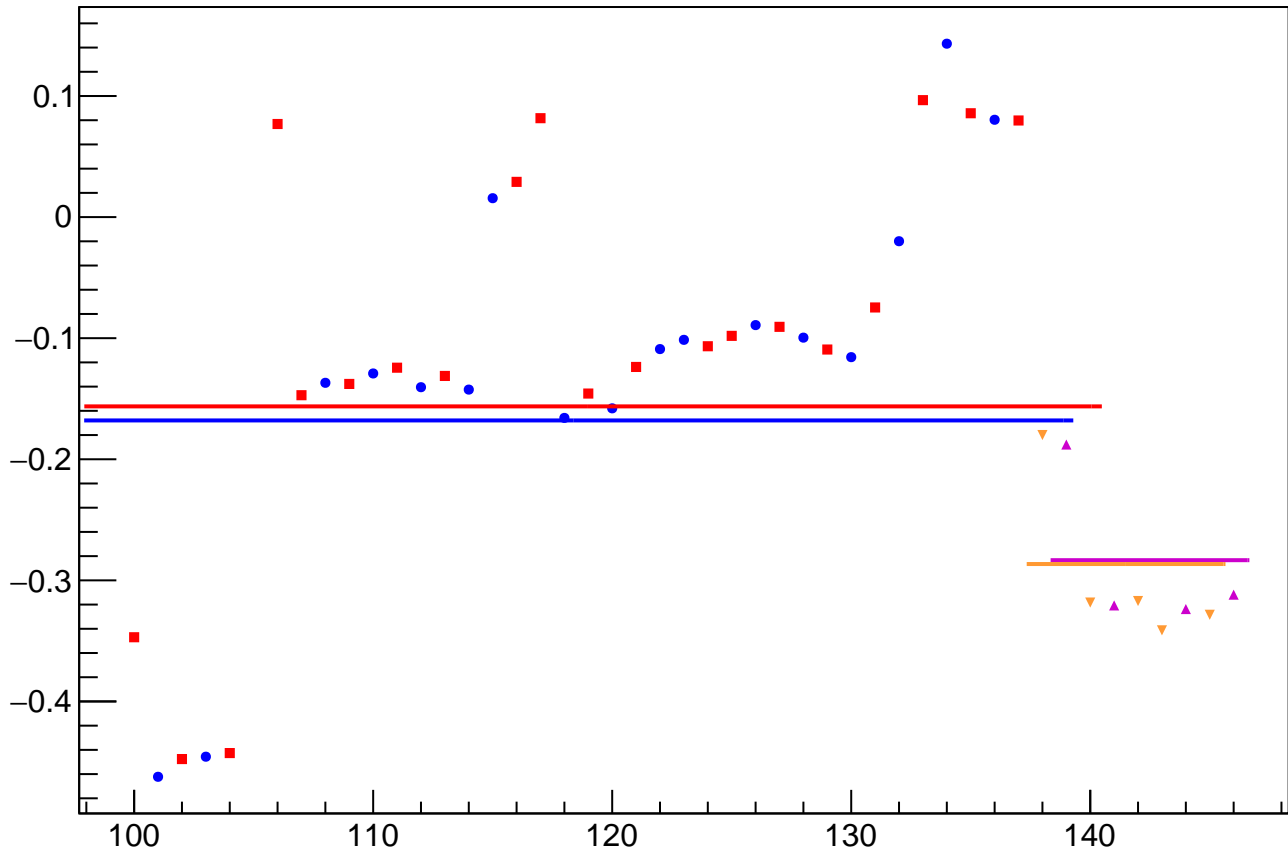
Left Out: 0.012 \pm 0.000 χ^2 /NDF:5675.1/4

Right Out: 0.009 \pm 0.000 χ^2 /NDF: 111197.0/19

0.010 \pm 0.000 χ^2 /NDF: 365386.3/23

Left In: 0.012 \pm 0.000 χ^2 /NDF:3689.3/3

yield_bpm0l08Y_mean vs Slug



Right In: -0.168 ± 0.000 $\chi^2/\text{NDF}: 12331812610.6/16$

Left Out: -0.287 ± 0.000 $\chi^2/\text{NDF}: 1473637065.7/4$

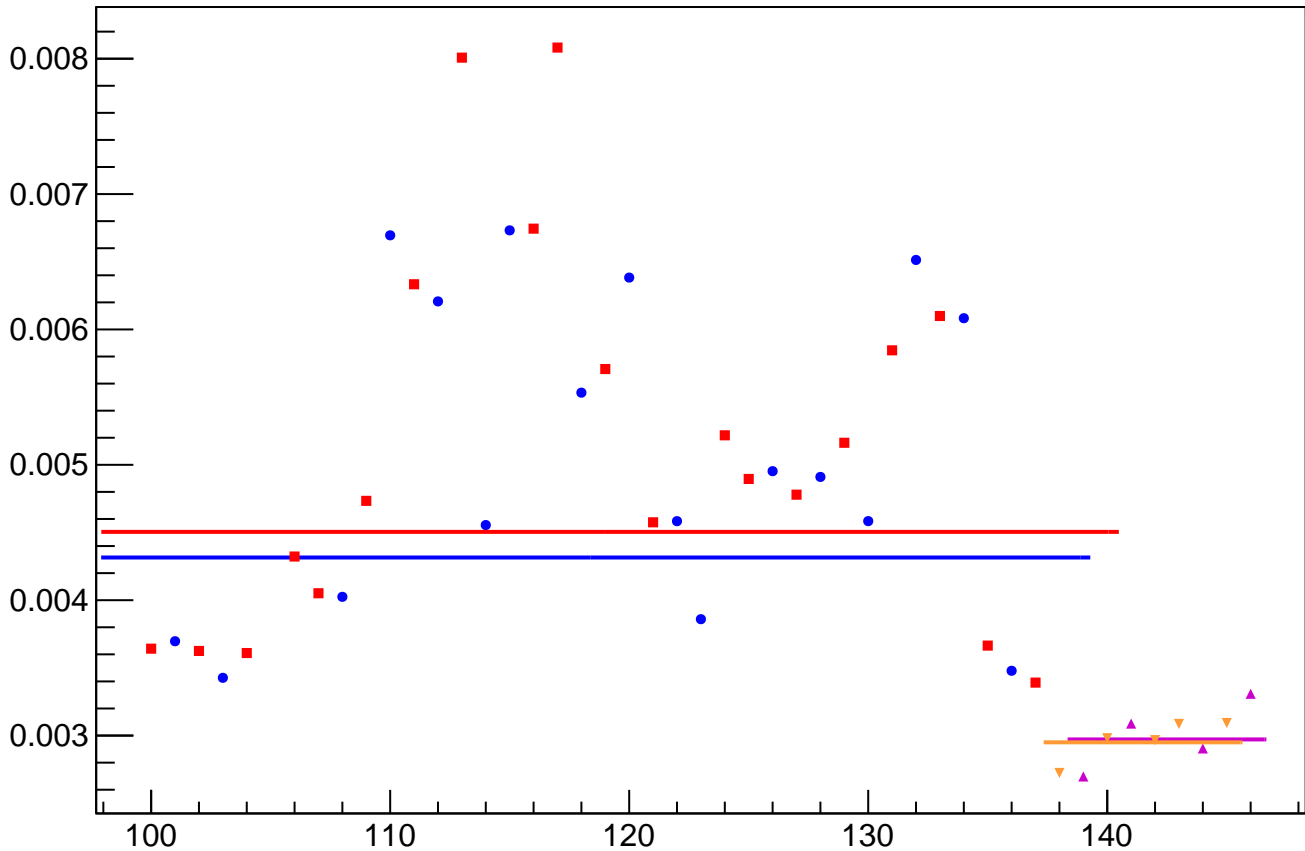
-0.230 ± 0.000 $\chi^2/\text{NDF}: 16105801166.1/21$

Right Out: -0.156 ± 0.000 $\chi^2/\text{NDF}: 11061140252.3/19$

-0.222 ± 0.000 $\chi^2/\text{NDF}: 14785401410.4/23$

Left In: -0.283 ± 0.000 $\chi^2/\text{NDF}: 1149328464.7/3$

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

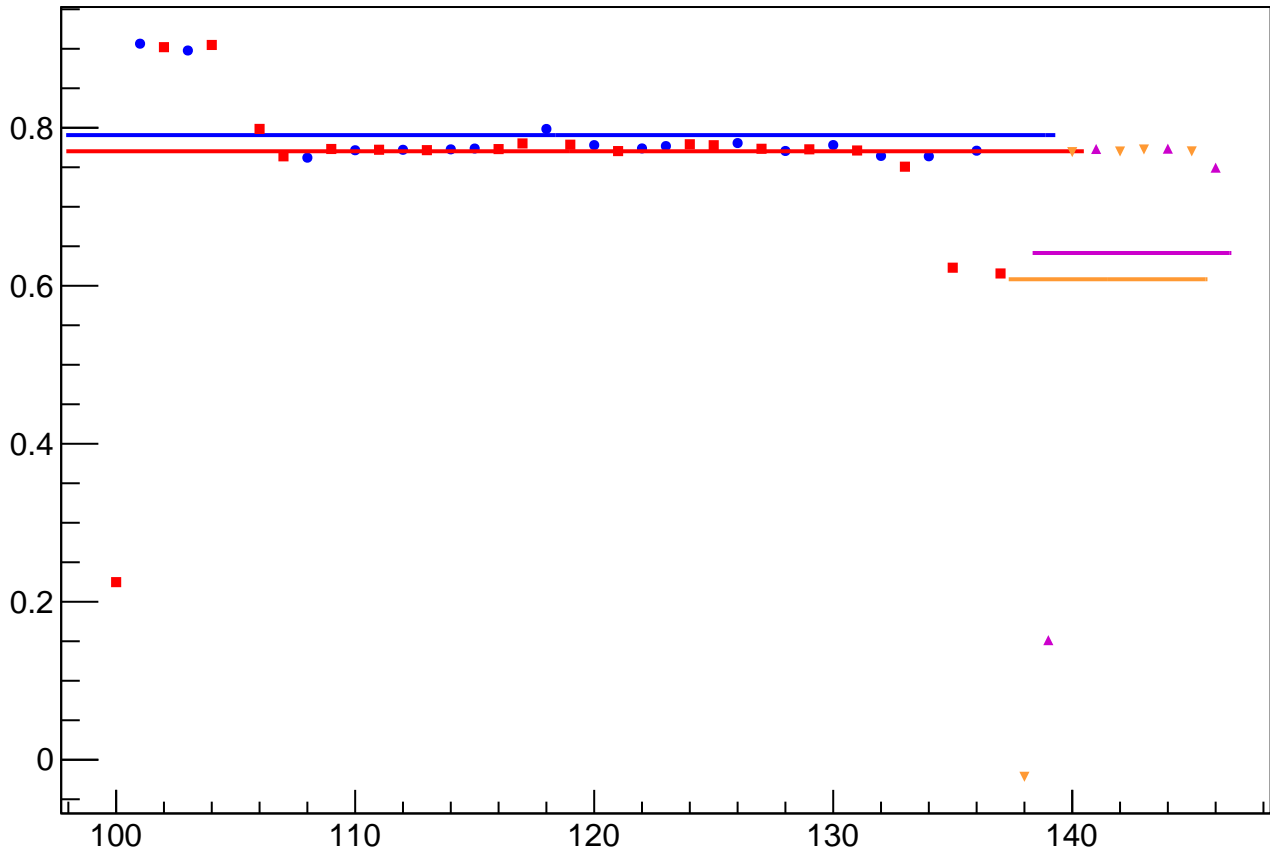
Right Out: 0.005+/-0.000 χ^2 /NDF: 665152.6/19

Left In: 0.003+/-0.000 χ^2 /NDF:31377.8/3

0.004+/-0.000 χ^2 /NDF: 1244352.0/21

0.004+/-0.000 χ^2 /NDF: 1446943.1/23

yield_bpm0l09X_mean vs Slug



Right In: 0.791 ± 0.000 χ^2/NDF : 106705767.1/16

Left Out: 0.608 ± 0.000 χ^2/NDF : 2200739548.1/4

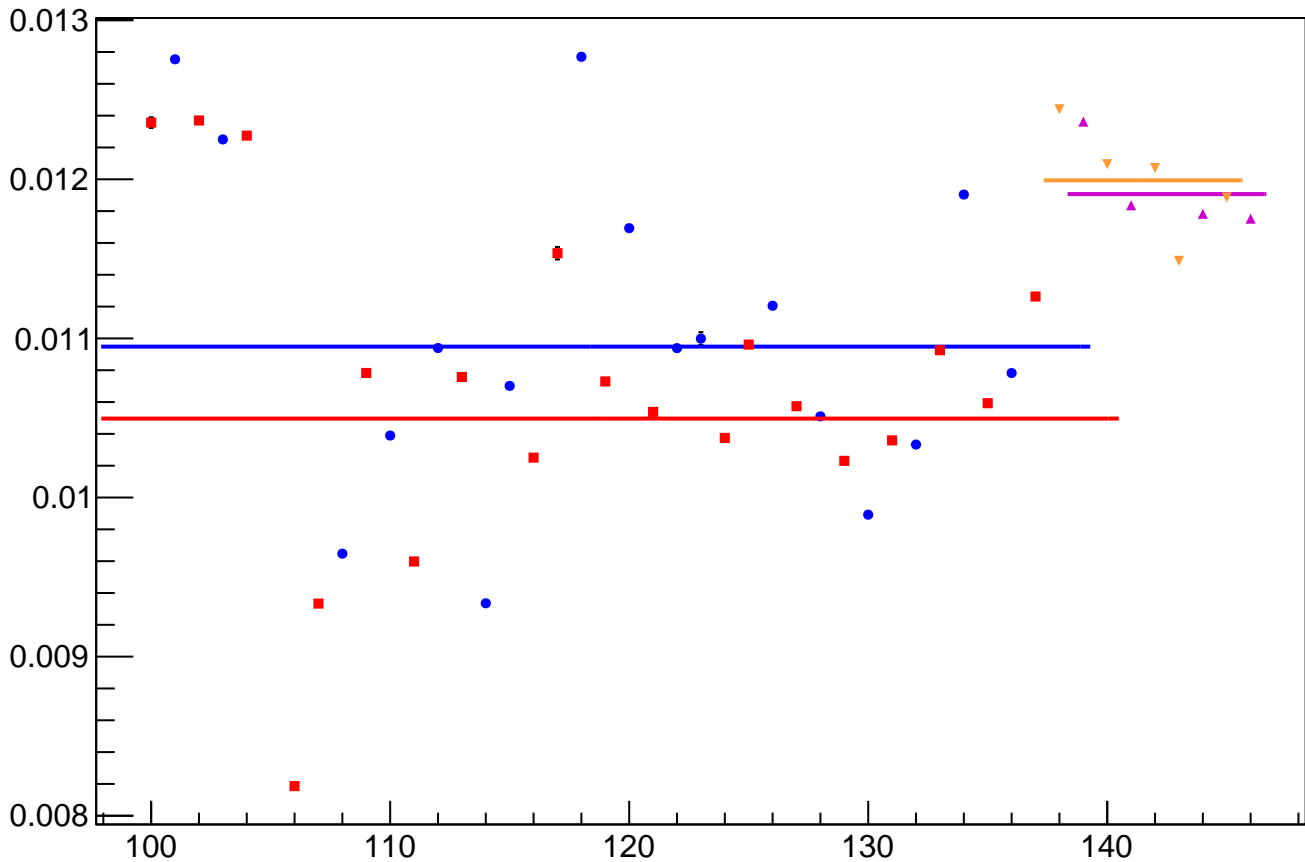
Right Out: 0.770 ± 0.000 χ^2/NDF : 375473971.0/19

Left In: 0.641 ± 0.000 χ^2/NDF : 1301037331.5/3

0.739 ± 0.000 χ^2/NDF : 2819668002.0/21

0.738 ± 0.000 χ^2/NDF : 1940666343.4/23

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

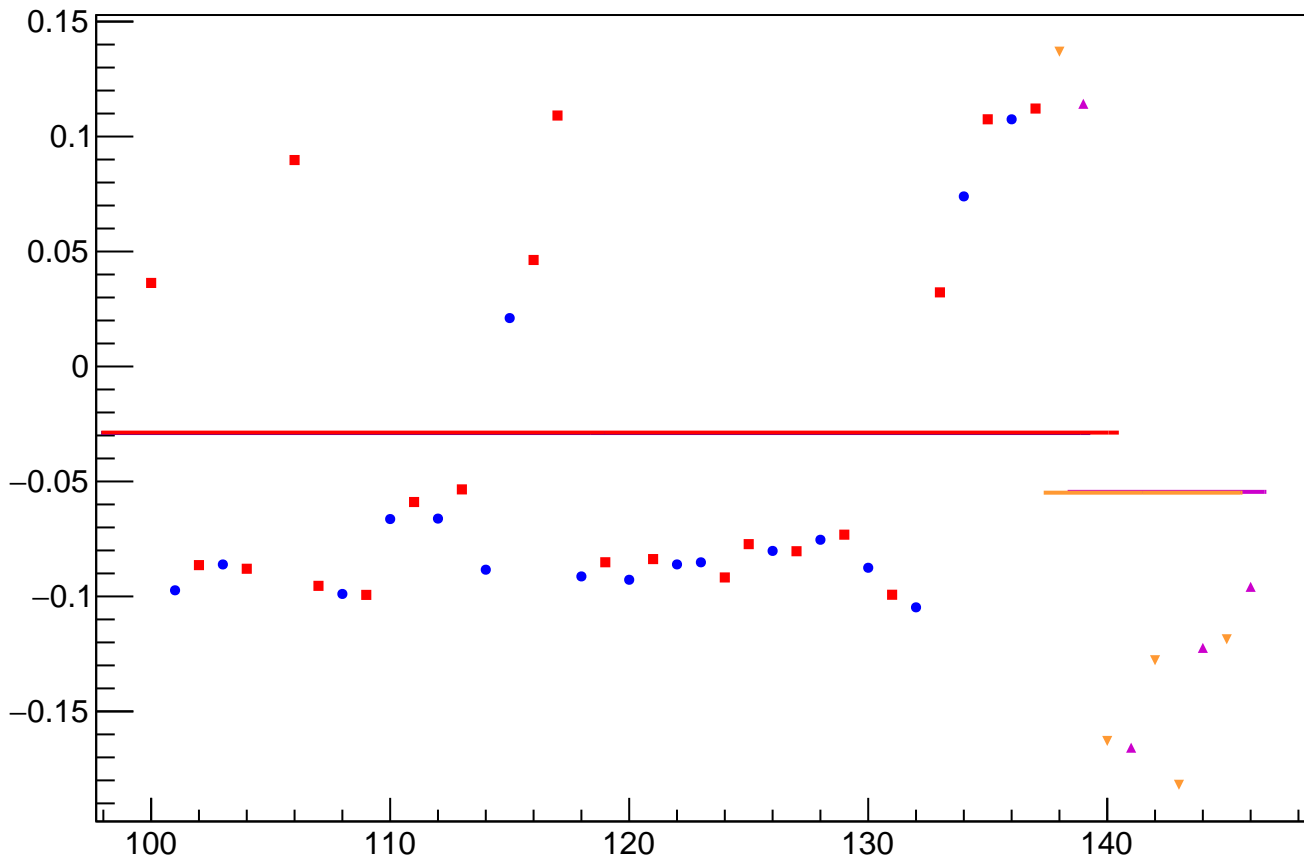
Right Out: 0.010 \pm 0.000 χ^2 /NDF: 120120.6/19

Left In: 0.012 \pm 0.000 χ^2 /NDF:2283.8/3

0.011 \pm 0.000 χ^2 /NDF: 136324.7/21

0.011 \pm 0.000 χ^2 /NDF: 185821.7/23

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

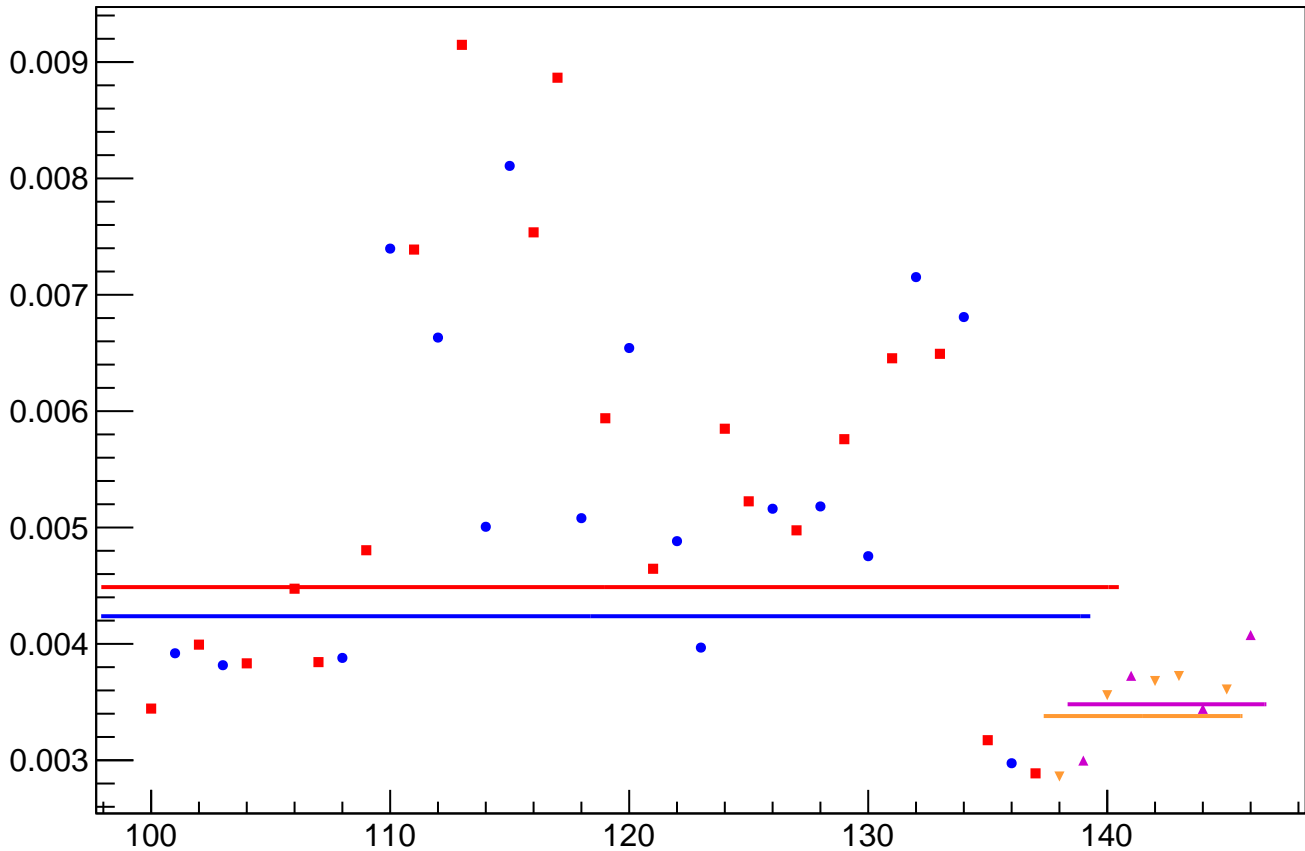
Right Out: -0.029+/-0.000 χ^2 /NDF: 2122918772.1/19

Left In: -0.055+/-0.000 χ^2 /NDF: 3065862226.1/3

-0.041+/-0.000 χ^2 /NDF: 7082320118.6/21

-0.040+/-0.000 χ^2 /NDF: 5274320523.9/23

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

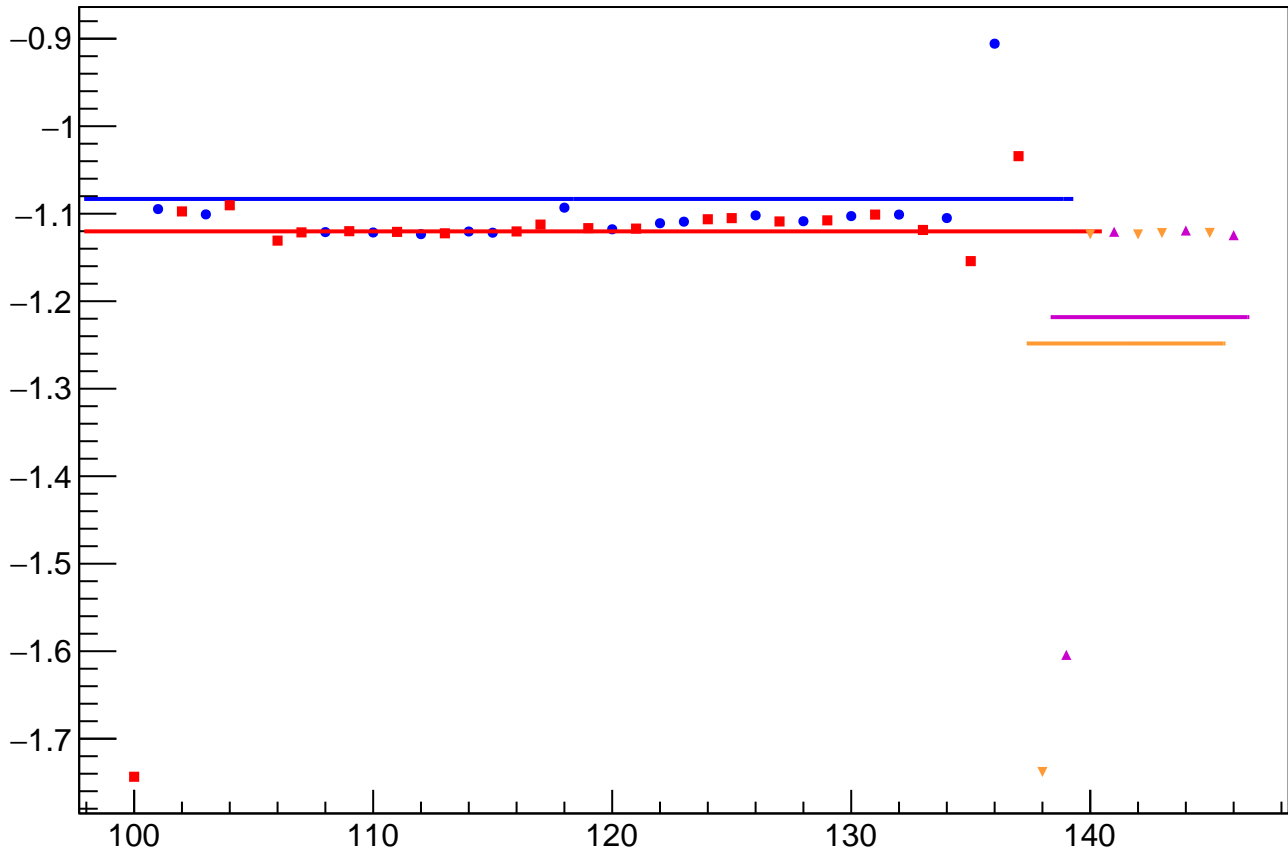
Right Out: 0.004+/-0.000 χ^2 /NDF: 1003473.4/19

Left In: 0.003+/-0.000 χ^2 /NDF:68653.3/3

0.004+/-0.000 χ^2 /NDF: 1150088.3/21

0.004+/-0.000 χ^2 /NDF: 1333328.7/23

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

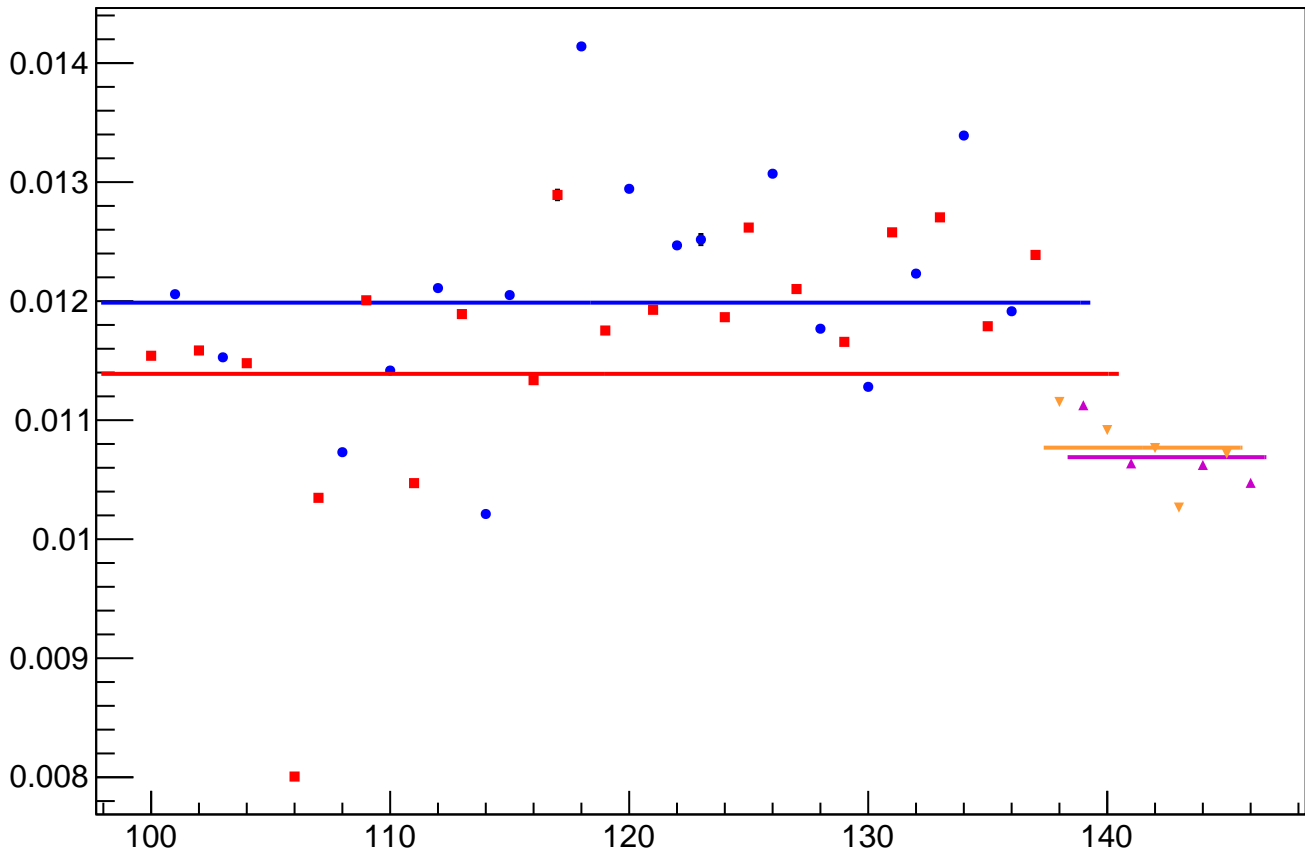
Right Out: -1.120+/-0.000 χ^2 /NDF: 220586820.0/19

Left In: -1.218+/-0.000 χ^2 /NDF: 996236141.5/3

-1.145+/-0.000 χ^2 /NDF: 2323790515.0/21

-1.153+/-0.000 χ^2 /NDF: 1387290154.3/23

yield_bpm0l10X_rms vs Slug



Right In: 0.012 \pm 0.000 χ^2/NDF : 60402.0/16

Left Out: 0.011 \pm 0.000 χ^2/NDF : 4652.9/4

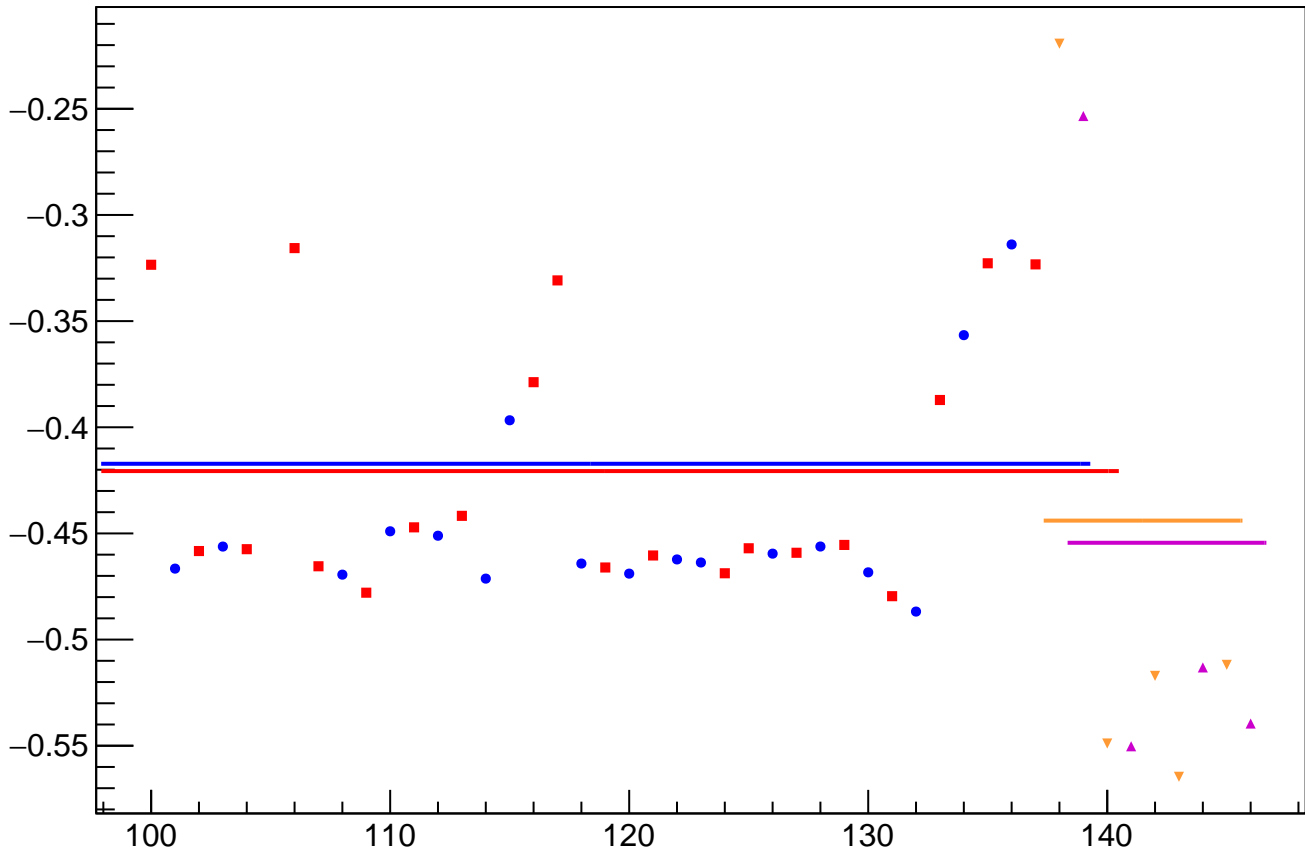
Right Out: 0.011 \pm 0.000 χ^2/NDF : 155700.3/19

Left In: 0.011 \pm 0.000 χ^2/NDF : 2777.3/3

0.012 \pm 0.000 χ^2/NDF : 115076.8/21

0.011 \pm 0.000 χ^2/NDF : 175874.7/23

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2 /NDF: 2039045143.8/16

-0.426+/-0.000 χ^2 /NDF: 6515886445.9/21

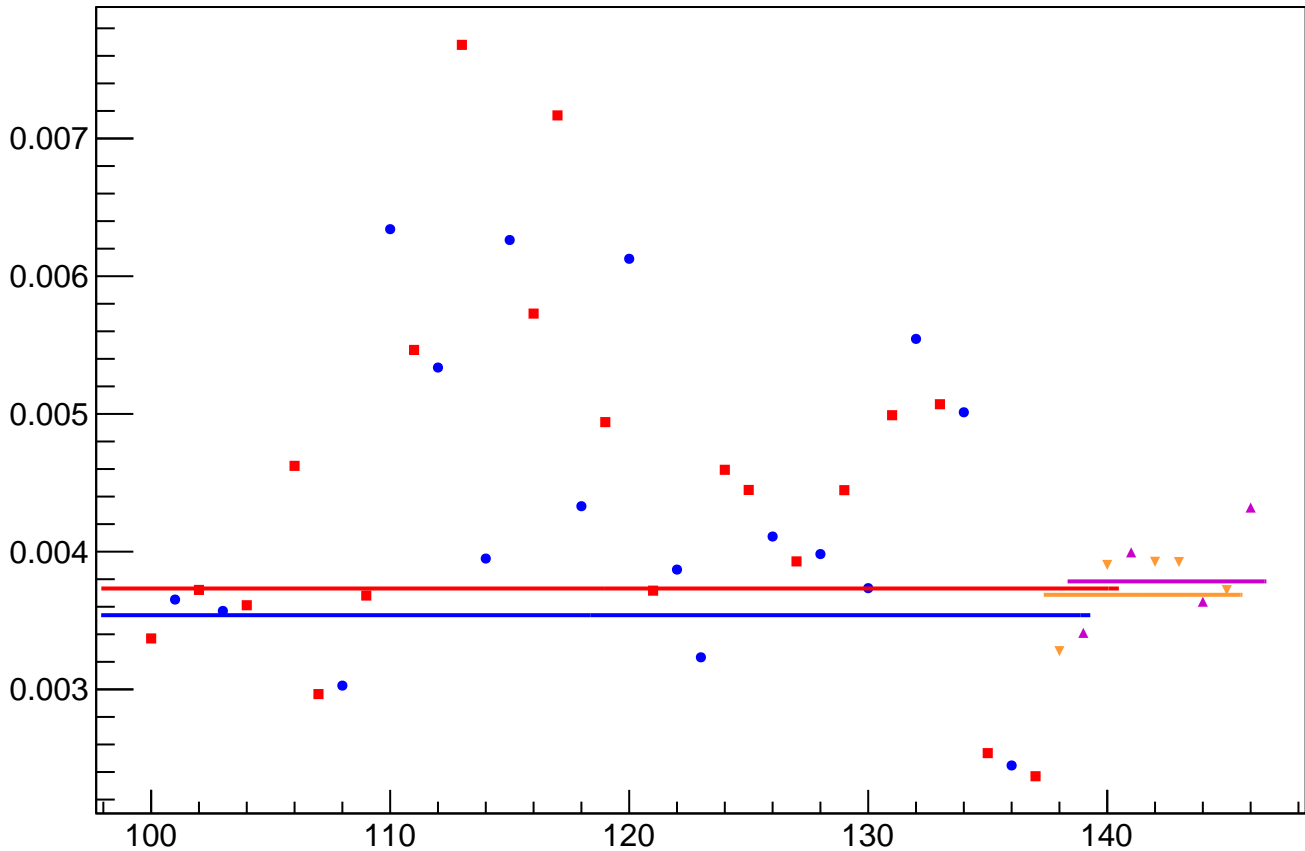
Left Out: -0.444+/-0.000 χ^2 /NDF: 4375193080.7/4

Right Out: -0.421+/-0.000 χ^2 /NDF: 1652792044.5/19

-0.431+/-0.000 χ^2 /NDF: 4887738485.2/23

Left In: -0.454+/-0.000 χ^2 /NDF: 3082806833.0/3

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

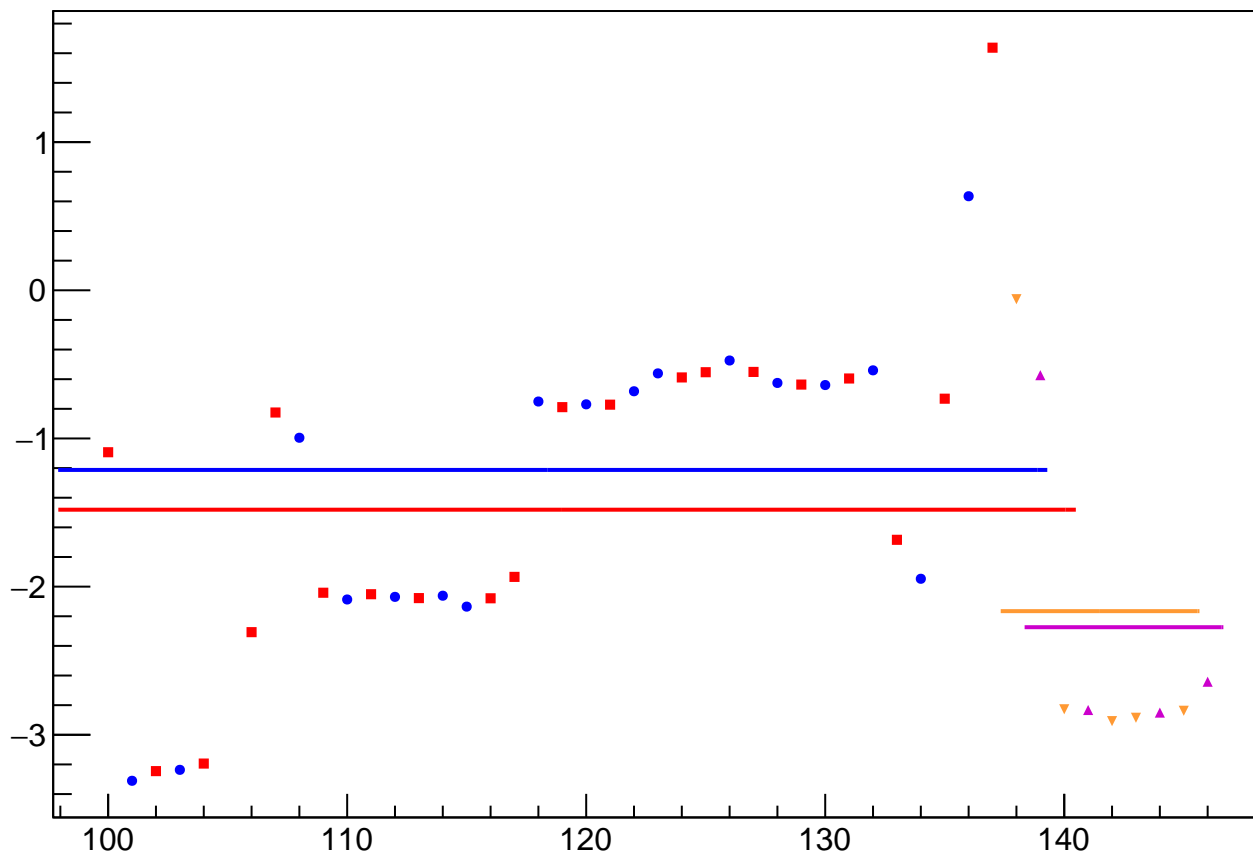
Right Out: 0.004+/-0.000 χ^2 /NDF: 916963.6/19

Left In: 0.004+/-0.000 χ^2 /NDF:42368.0/3

0.004+/-0.000 χ^2 /NDF: 873458.1/21

0.004+/-0.000 χ^2 /NDF: 960039.6/23

yield_bpm0r03X_mean vs Slug



Right In: -1.212 ± 0.000 $\chi^2/\text{NDF}: 1992853443.9/16$

Left Out: -2.165 ± 0.000 $\chi^2/\text{NDF}: 836846636.3/4$

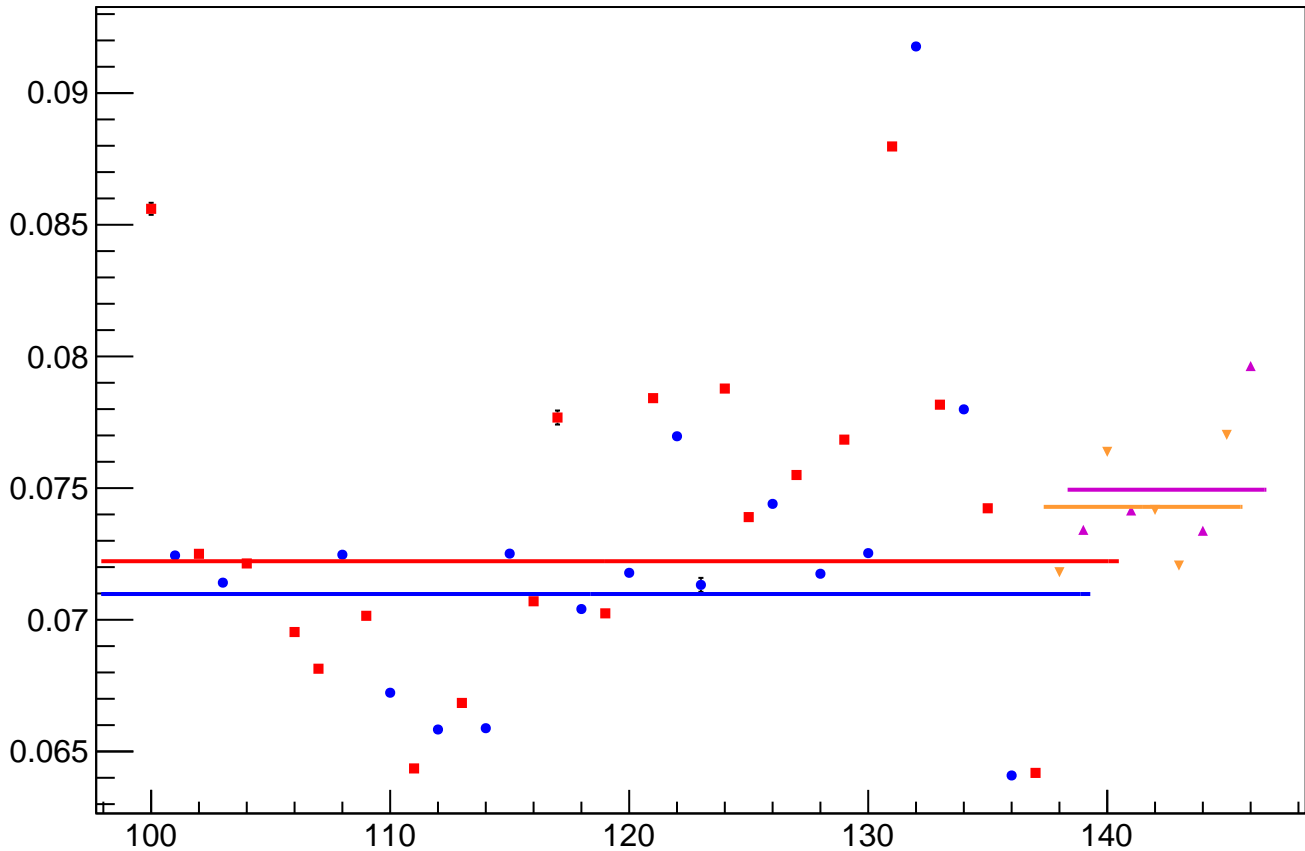
-1.503 ± 0.000 $\chi^2/\text{NDF}: 3191422346.7/21$

Right Out: -1.481 ± 0.000 $\chi^2/\text{NDF}: 1579722113.8/19$

-1.709 ± 0.000 $\chi^2/\text{NDF}: 2300067644.3/23$

Left In: -2.274 ± 0.000 $\chi^2/\text{NDF}: 476941992.3/3$

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

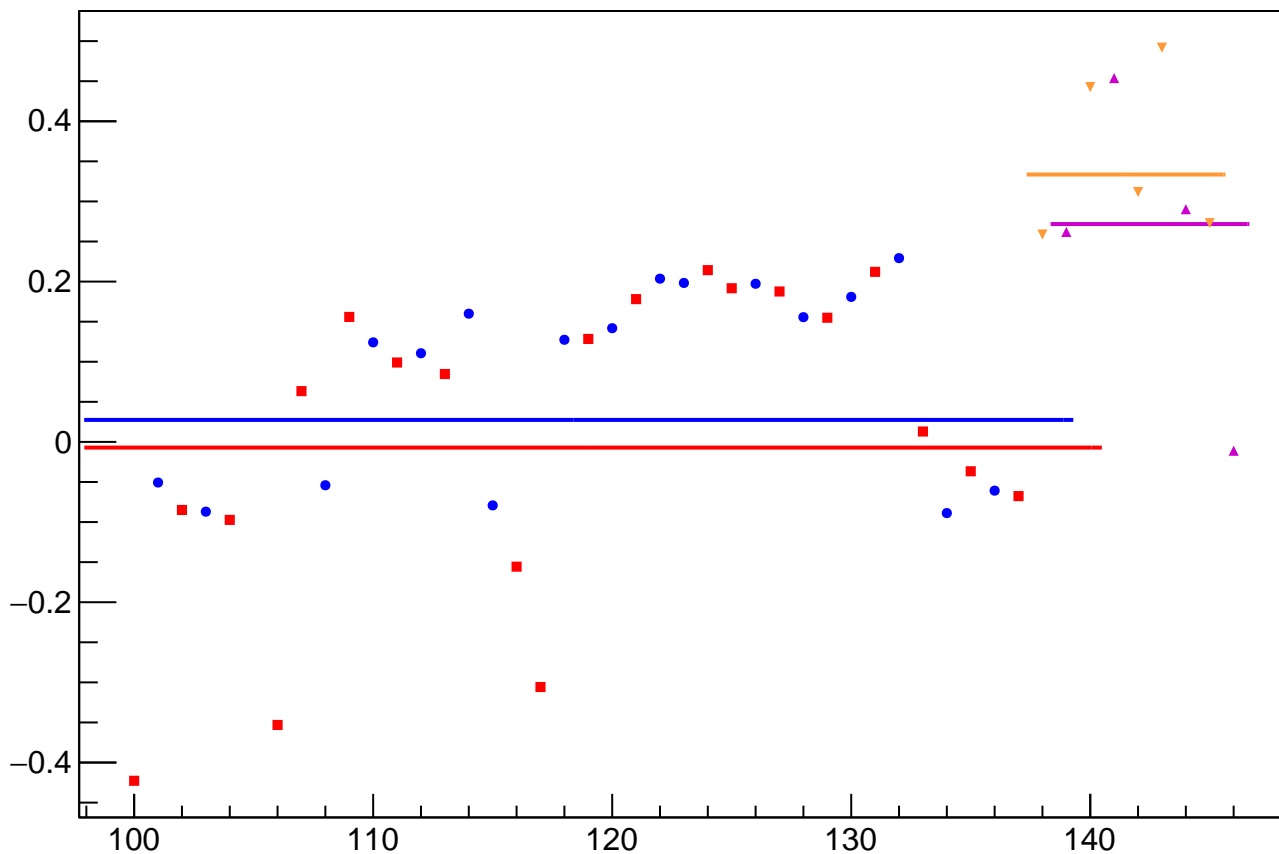
Right Out: 0.072+/-0.000 χ^2/NDF : 73650.9/19

Left In: 0.075+/-0.000 χ^2/NDF : 6662.4/3

0.072+/-0.000 χ^2/NDF : 92077.0/21

0.073+/-0.000 χ^2/NDF : 86018.9/23

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

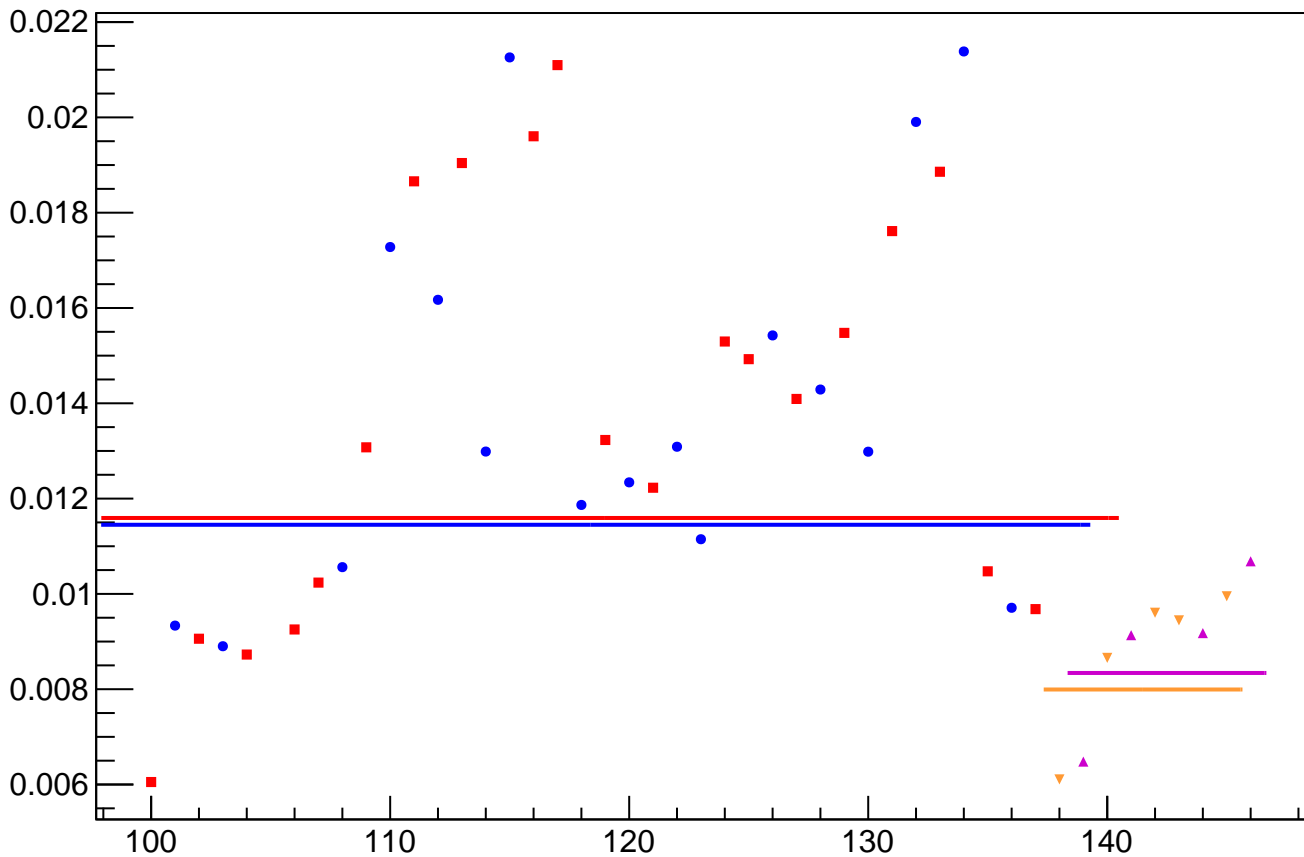
0.180+/-0.000 χ^2/NDF : 2984939551.1/21

Right Out: -0.007+/-0.000 χ^2/NDF : 1207003891.2/19

0.124+/-0.000 χ^2/NDF : 3589732730.2/23

Left In: 0.272+/-0.000 χ^2/NDF :764302461.0/3

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

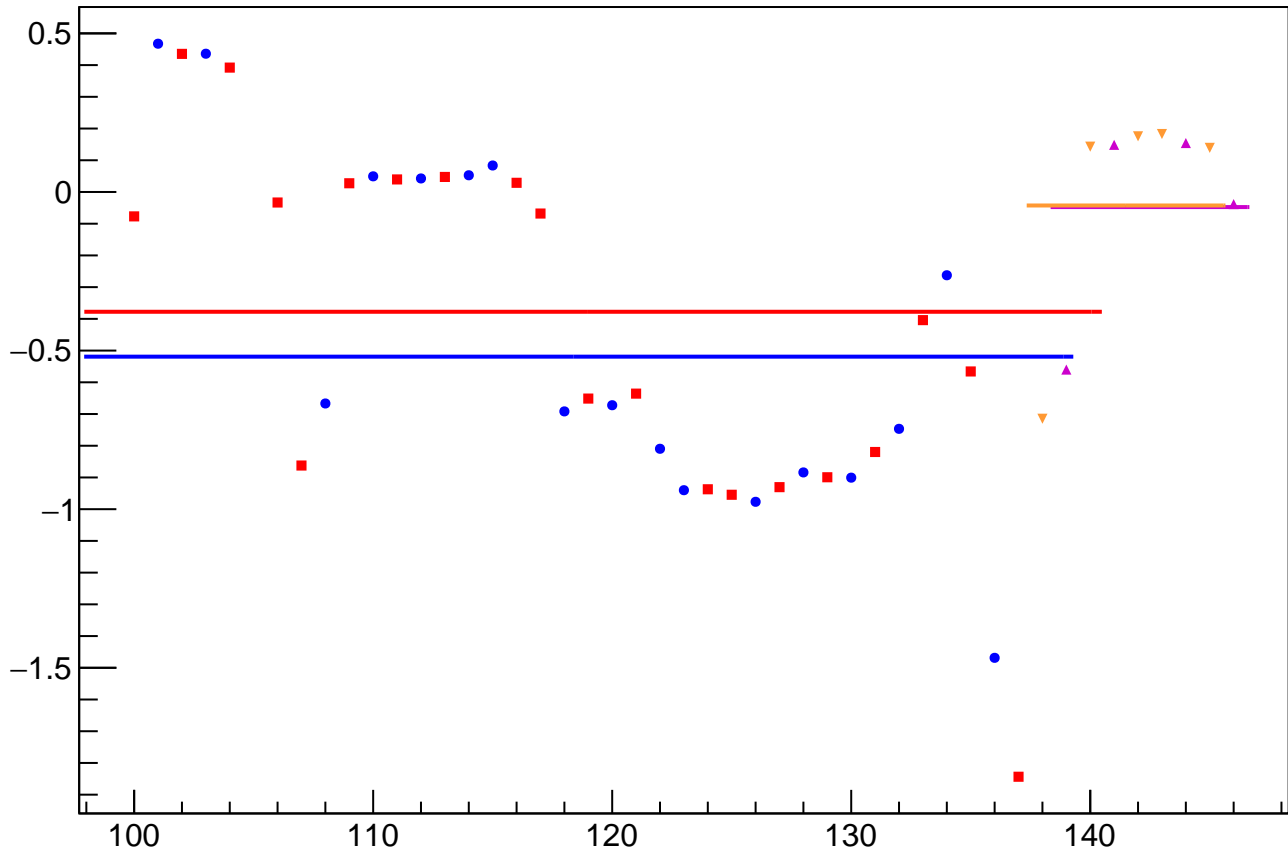
Right Out: 0.012+/-0.000 χ^2 /NDF: 1012799.2/19

Left In: 0.008+/-0.000 χ^2 /NDF:193484.6/3

0.010+/-0.000 χ^2 /NDF: 1435995.1/21

0.010+/-0.000 χ^2 /NDF: 1646629.2/23

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

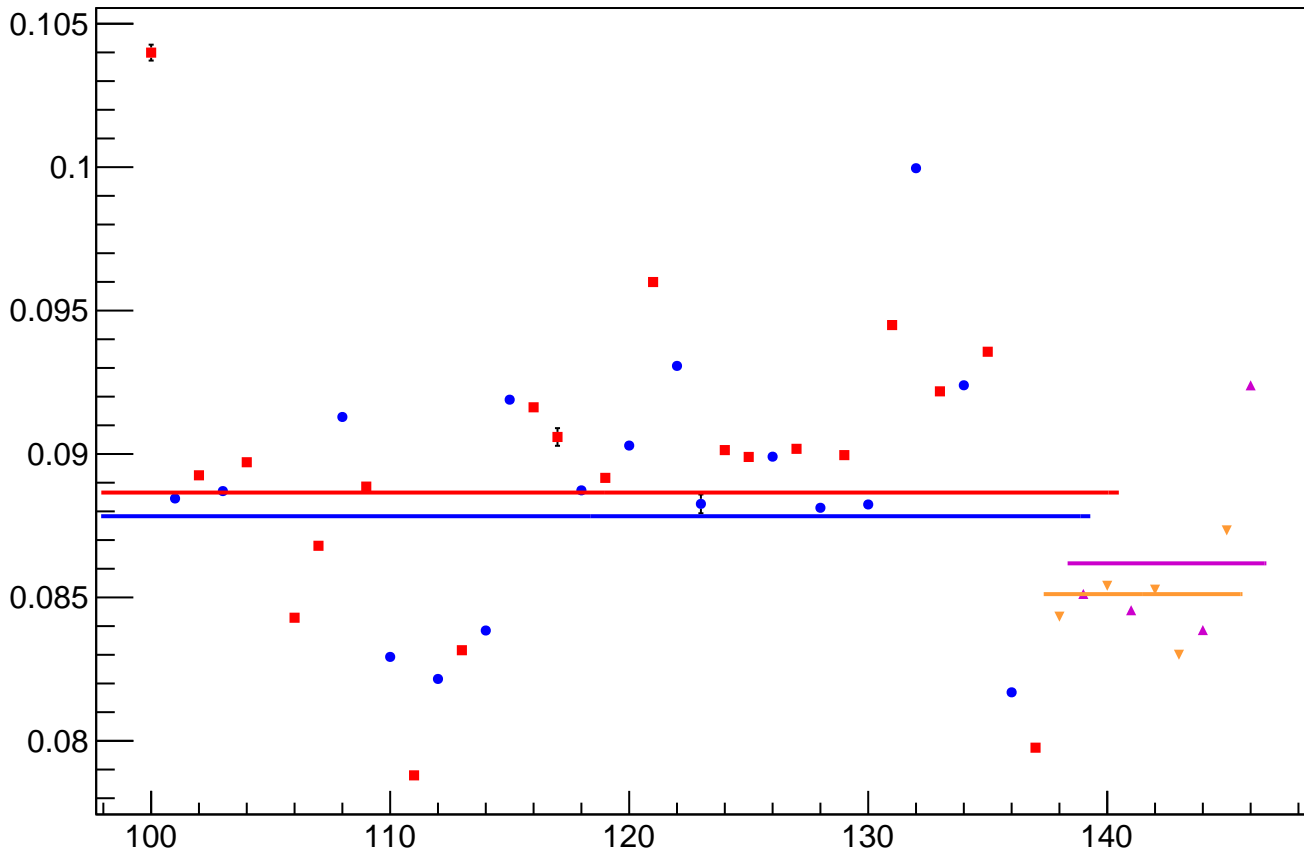
-0.356 ± 0.000 χ^2/NDF : 467374915.6/21

Right Out: -0.378 ± 0.000 χ^2/NDF : 269130827.6/19

-0.273 ± 0.000 χ^2/NDF : 334601016.2/23

Left In: -0.048 ± 0.000 χ^2/NDF : 34040029.6/3

yield_bpm0r05X_rms vs Slug



Right In: 0.088 \pm 0.000 χ^2/NDF : 34954.4/16

Left Out: 0.085 \pm 0.000 χ^2/NDF : 1874.4/4

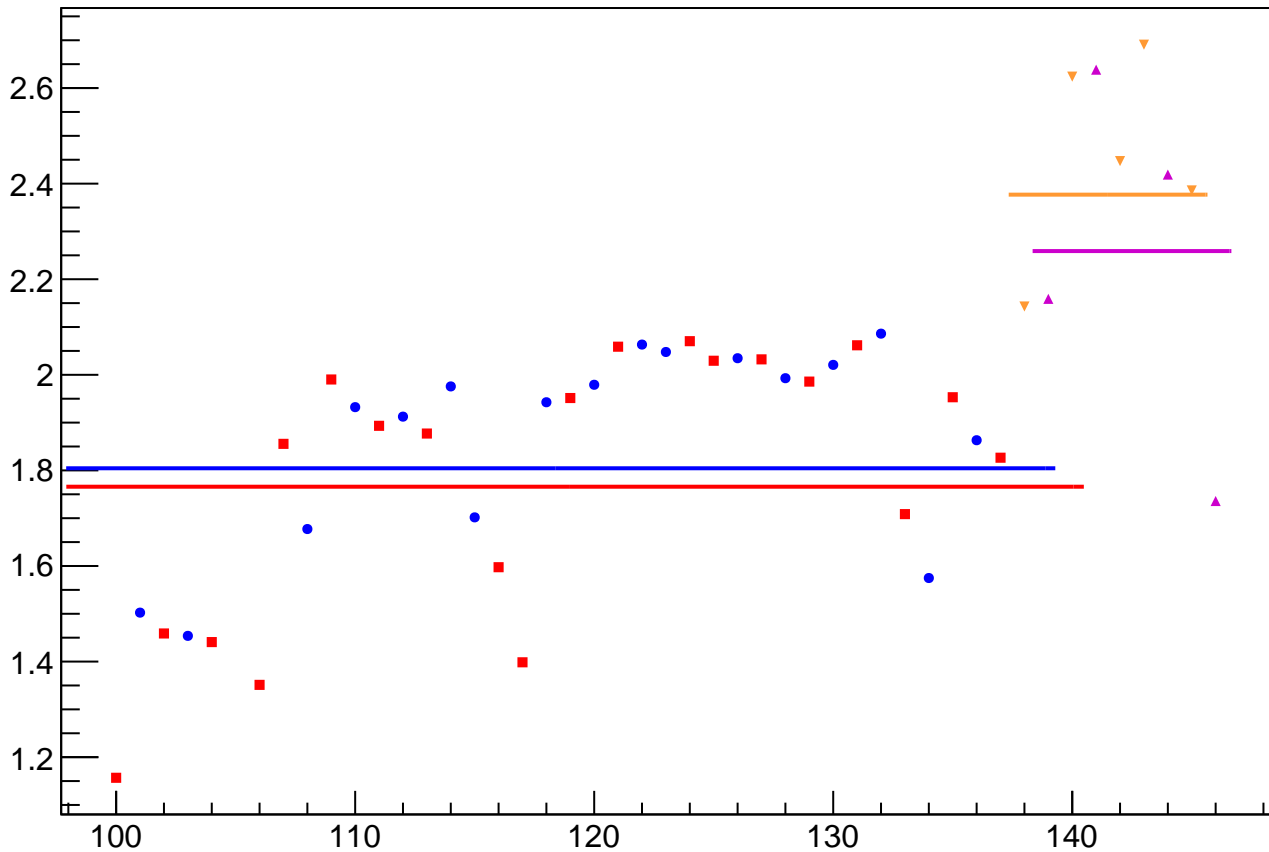
Right Out: 0.089 \pm 0.000 χ^2/NDF : 39762.8/19

Left In: 0.086 \pm 0.000 χ^2/NDF : 9234.9/3

0.087 \pm 0.000 χ^2/NDF : 41204.9/21

0.088 \pm 0.000 χ^2/NDF : 52512.8/23

yield_bpm0r05Y_mean vs Slug



Right In: 1.804+/-0.000 χ^2/NDF : 1156747883.2/16

2.081+/-0.000 χ^2/NDF : 6420149670.1/21

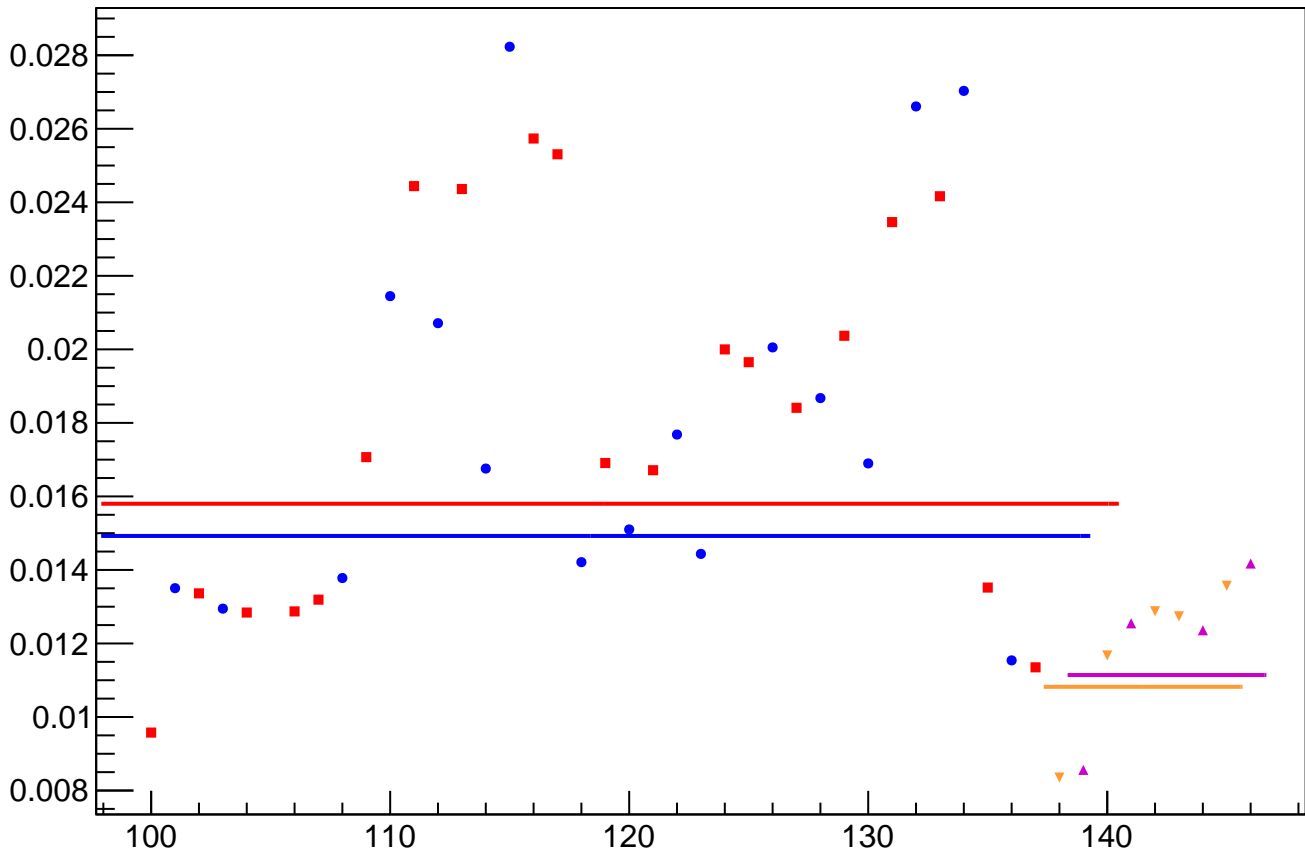
Left Out: 2.377+/-0.000 χ^2/NDF :1171249031.7/4

Right Out: 1.766+/-0.000 χ^2/NDF : 1717275187.7/19

2.000+/-0.000 χ^2/NDF : 6332072554.8/23

Left In: 2.259+/-0.000 χ^2/NDF :1805940566.8/3

yield_bpm0r05Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 643651.9/16

Left Out: 0.011+/-0.000 χ^2/NDF : 229113.6/4

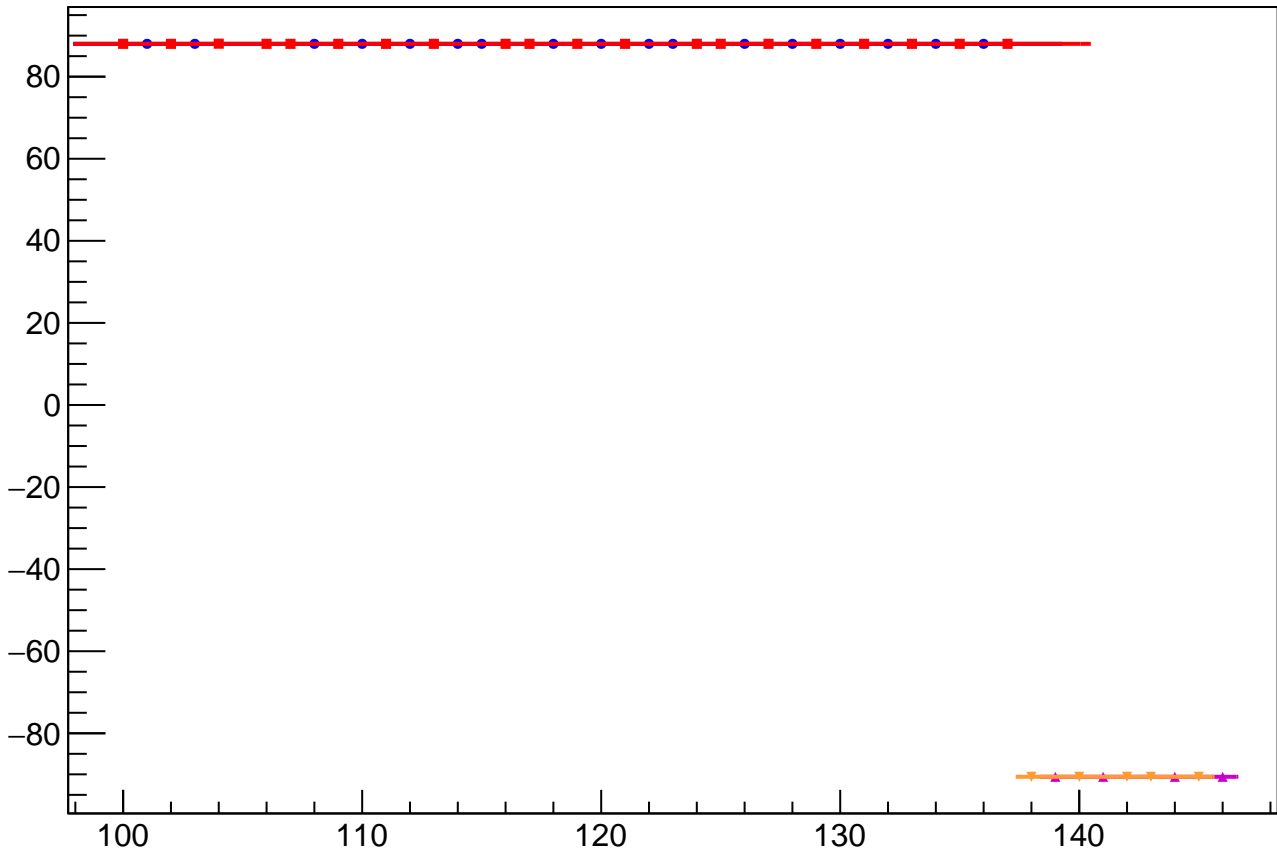
Right Out: 0.016+/-0.000 χ^2/NDF : 796839.8/19

Left In: 0.011+/-0.000 χ^2/NDF : 212972.6/3

0.013+/-0.000 χ^2/NDF : 1293308.4/21

0.014+/-0.000 χ^2/NDF : 1511397.5/23

epics_VWienAngles_mean vs Slug



Right In: 88.001+/-0.000 χ^2 /NDF: 1852068.7/16

28.467+/-0.000 χ^2 /NDF: 737906141333332832

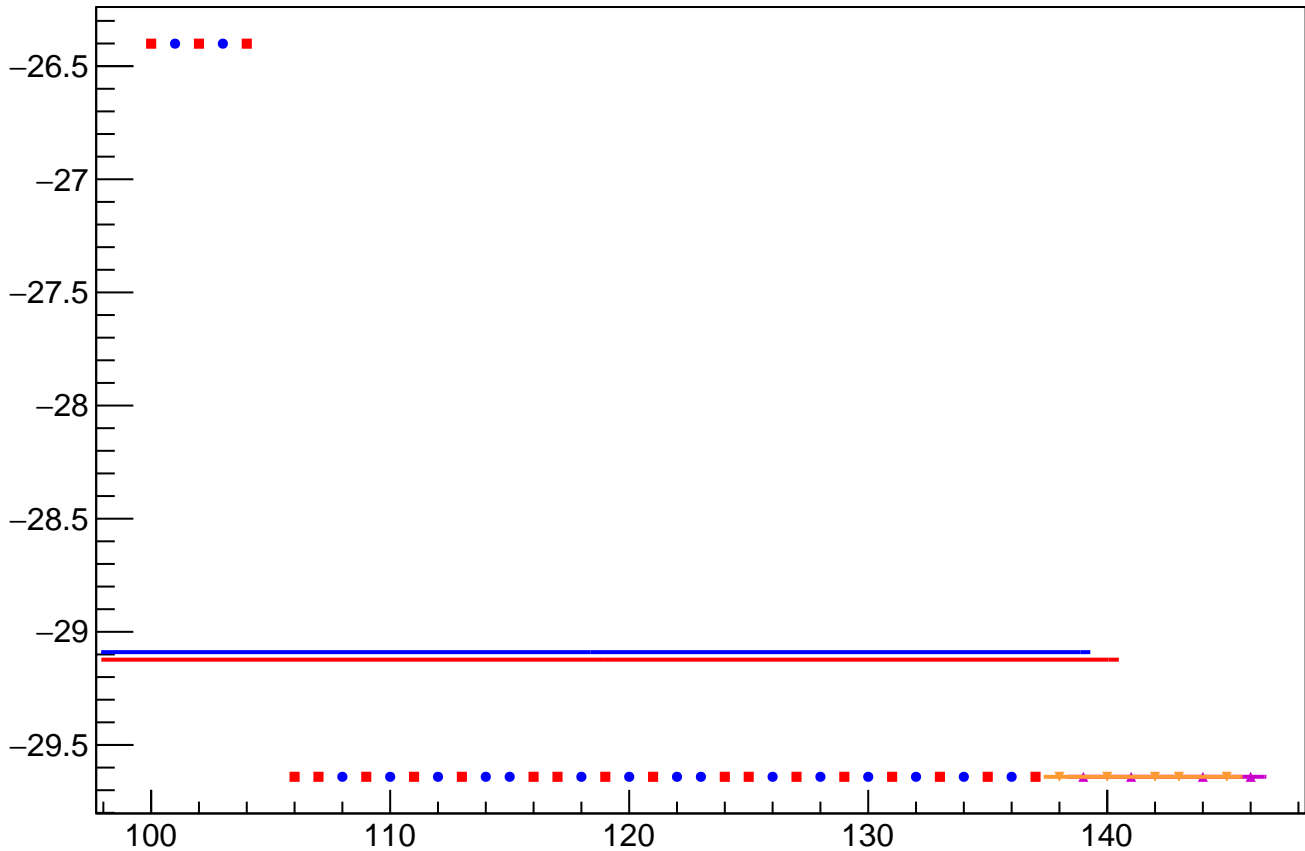
Left Out: -90.599+/-0.000 χ^2 /NDF: 3045179.8/4

Right Out: 88.004+/-0.000 χ^2 /NDF: 77578366411928007427611426816.0/19

32.657+/-0.000 χ^2 /NDF: 717654171093207665

Left In: -90.599+/-0.000 χ^2 /NDF: 936030.8/3

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

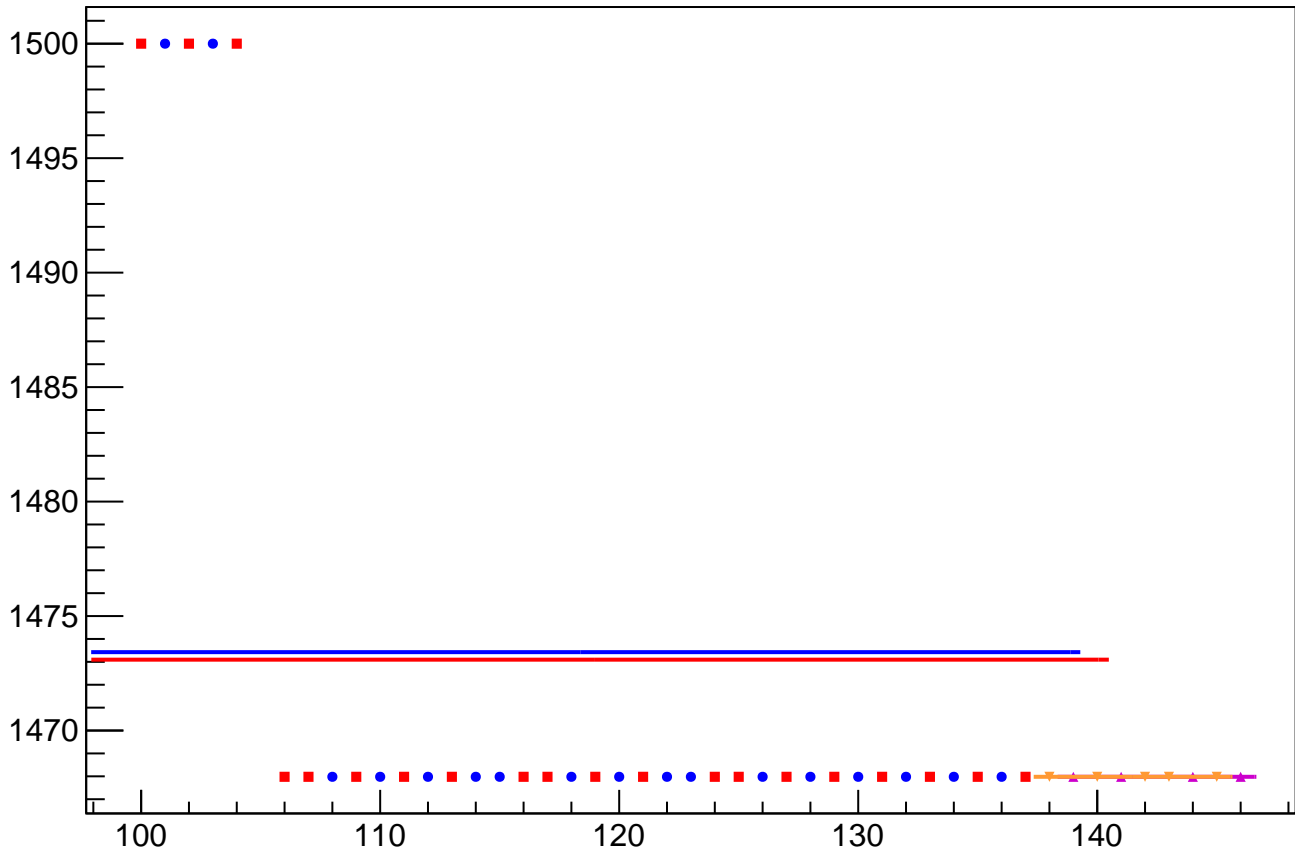
-29.273+/-0.000 χ^2/NDF : 10983050974063418

Right Out: -29.123+/-0.000 χ^2/NDF : 1023154512396702254583444720844800.0/19

-29.283+/-0.000 χ^2/NDF : 10834481155893474

Left In: -29.641+/-0.000 χ^2/NDF : 34255.5/3

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

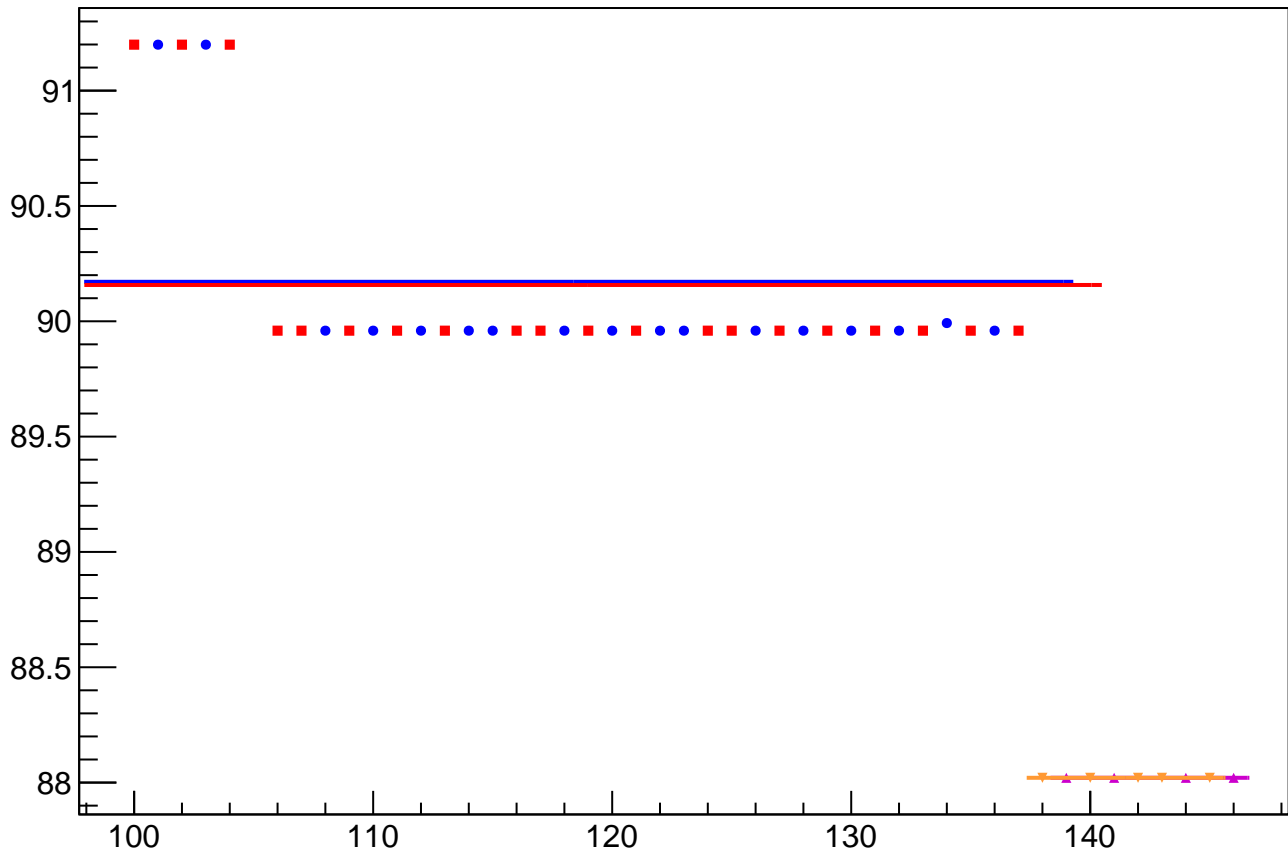
Right Out: 1473.096+/-0.000 χ^2/NDF : 99938310777099611815298348687032320.0/19

Left In: 1467.979+/-0.000 χ^2/NDF : 53611643.5/3

1471.609+/-0.000 χ^2/NDF : 1072787685757792

1471.510+/-0.000 χ^2/NDF : 1058275882818517

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

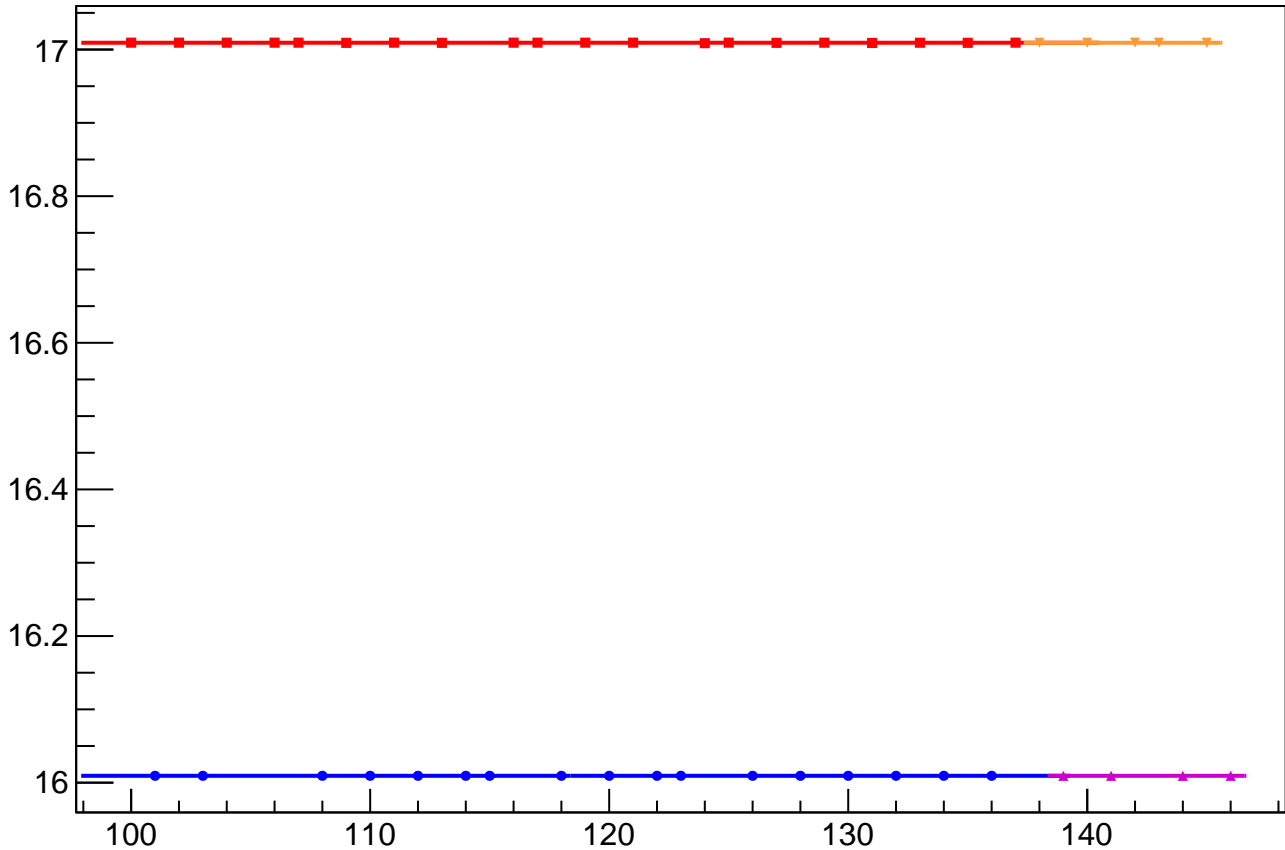
89.454+/-0.000 χ^2 /NDF: 122008254794422990

Right Out: 90.157+/-0.000 χ^2 /NDF: 149863052341628336344772108091392.0/19

89.495+/-0.000 χ^2 /NDF: 117701312900300930

Left In: 88.021+/-0.000 χ^2 /NDF:882918.4/3

epics_IGL1100DI24_24Ms_mean vs Slug



Right In: 16.009+/-0.000 χ^2 /NDF: 44327.7/16

16.329+/-0.000 χ^2 /NDF: 21153766545225389

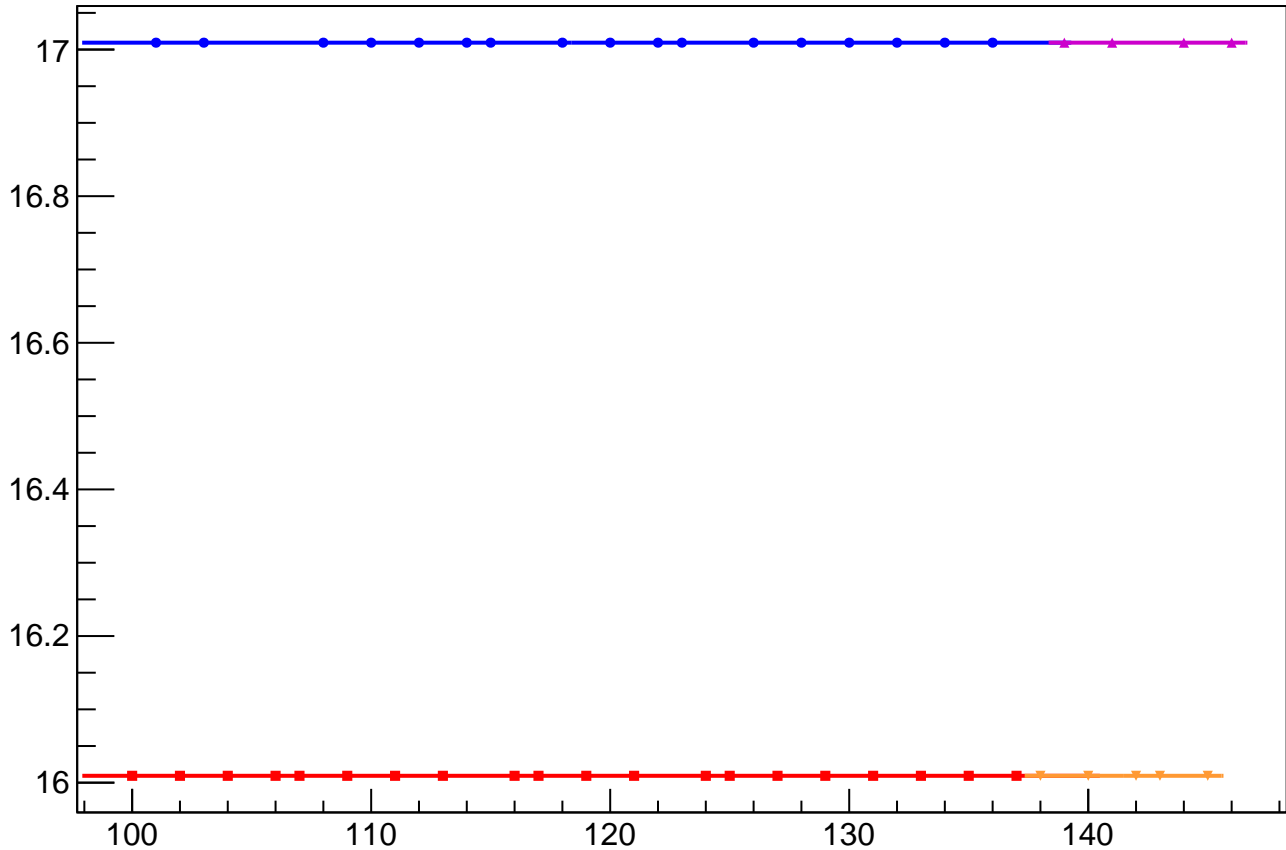
Left Out: 17.009+/-0.000 χ^2 /NDF: 972843141472531108593664.0/4

Right Out: 17.009+/-0.000 χ^2 /NDF: 12548783366686740957888512.0/19

16.692+/-0.000 χ^2 /NDF: 20882953966441399

Left In: 16.009+/-0.000 χ^2 /NDF: 19803.6/3

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

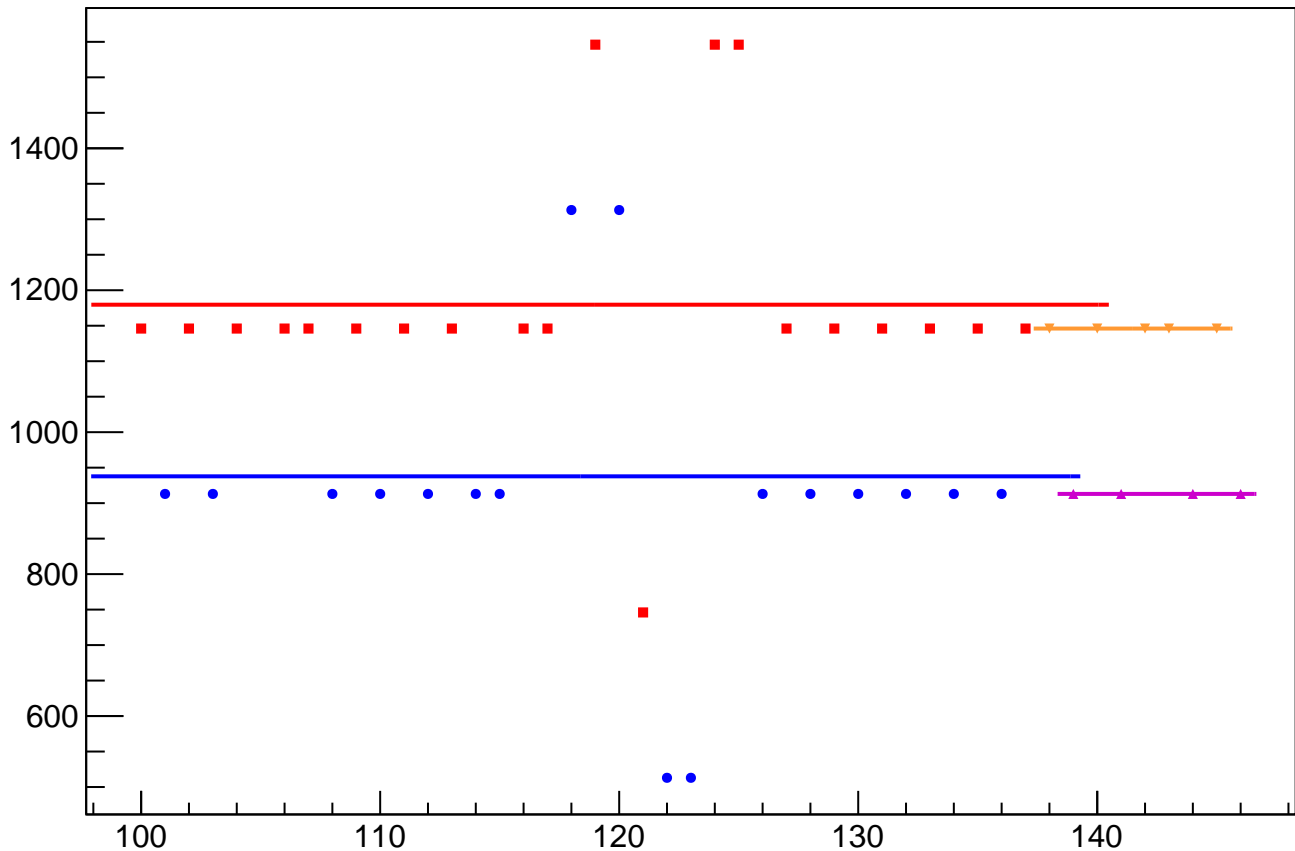
Right Out: 16.009+/-0.000 χ^2 /NDF: 42750.0/19

Left In: 17.009+/-0.000 χ^2 /NDF: 8885.7/3

16.671+/-0.000 χ^2 /NDF: 22419380619380083

16.321+/-0.000 χ^2 /NDF: 22430047846887989

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

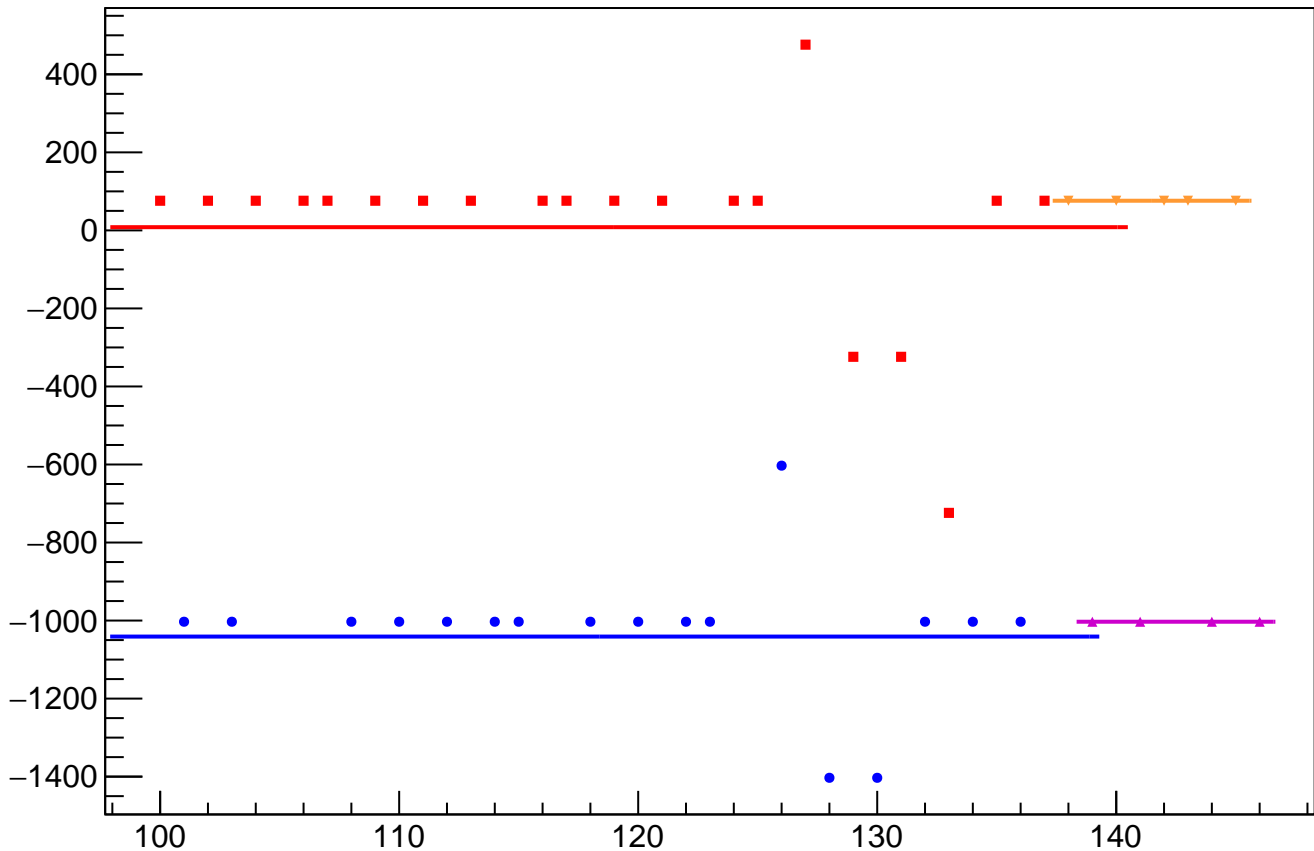
Right Out: 1179.619+/-0.000 χ^2 /NDF: 21420659731738679306829480097874968576.0/19

Left In: 912.995+/-0.000 χ^2 /NDF: 7550331700149067084371853312.0/3

1007.190+/-0.000 χ^2 /NDF: 3088580412282722

1096.996+/-0.000 χ^2 /NDF: 3741392059303666

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1041.030 ± 0.000 $\chi^2/\text{NDF}: 22675401109943882512554797113855180800.0/16$
Left Out: 76.011 ± 0.000 $\chi^2/\text{NDF}: 2713170620256694396421931008.0/4$ -668.683 ± 0.000 $\chi^2/\text{NDF}: 3113284583952218$
Right Out: 8.240 ± 0.000 $\chi^2/\text{NDF}: 43865391744972338137265798243810279424.0/19$
Left In: -1002.989 ± 0.000 $\chi^2/\text{NDF}: 471838457209317877805481984.0/3$ -305.125 ± 0.000 $\chi^2/\text{NDF}: 2739238652811006$