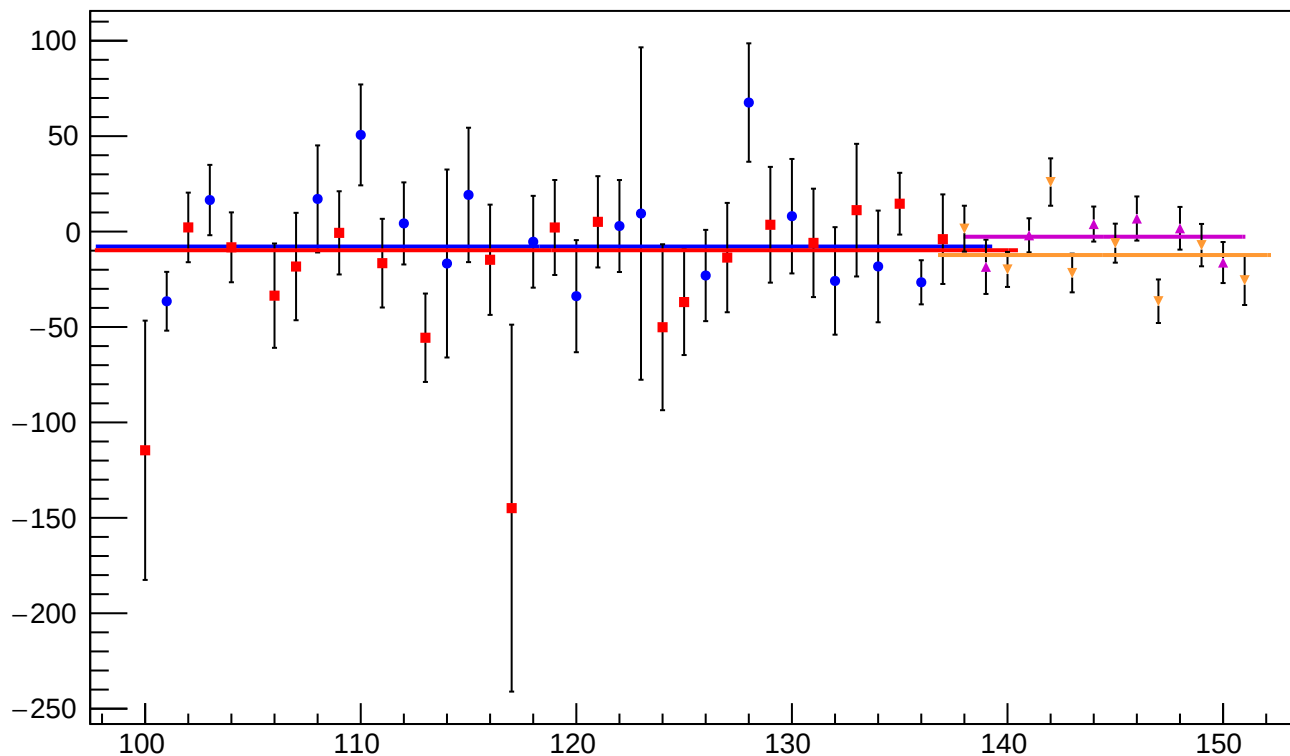


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

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

-10.850 ± 3.193

$\chi^2/\text{NDF}: 41.5/24$

Left Out: -12.293 ± 3.883

$\chi^2/\text{NDF}: 18.5/7$

Right Out: -9.781 ± 5.667

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

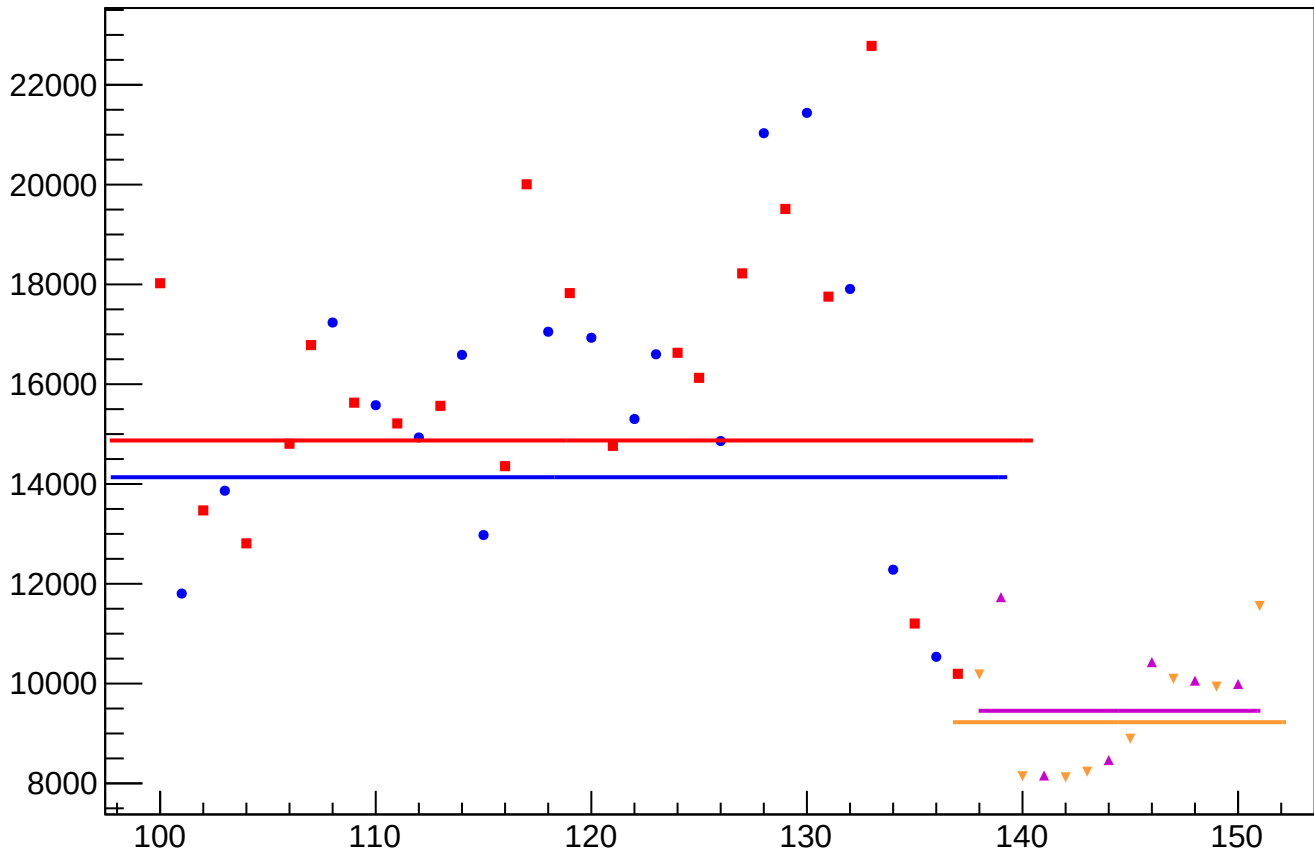
-5.305 ± 3.437

$\chi^2/\text{NDF}: 20.4/25$

Left In: -2.701 ± 4.323

$\chi^2/\text{NDF}: 4.2/5$

diff_bpm4aX_rms vs Slug



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

Left Out: 9226.469+/-2.746 χ^2/NDF :161977.7/7

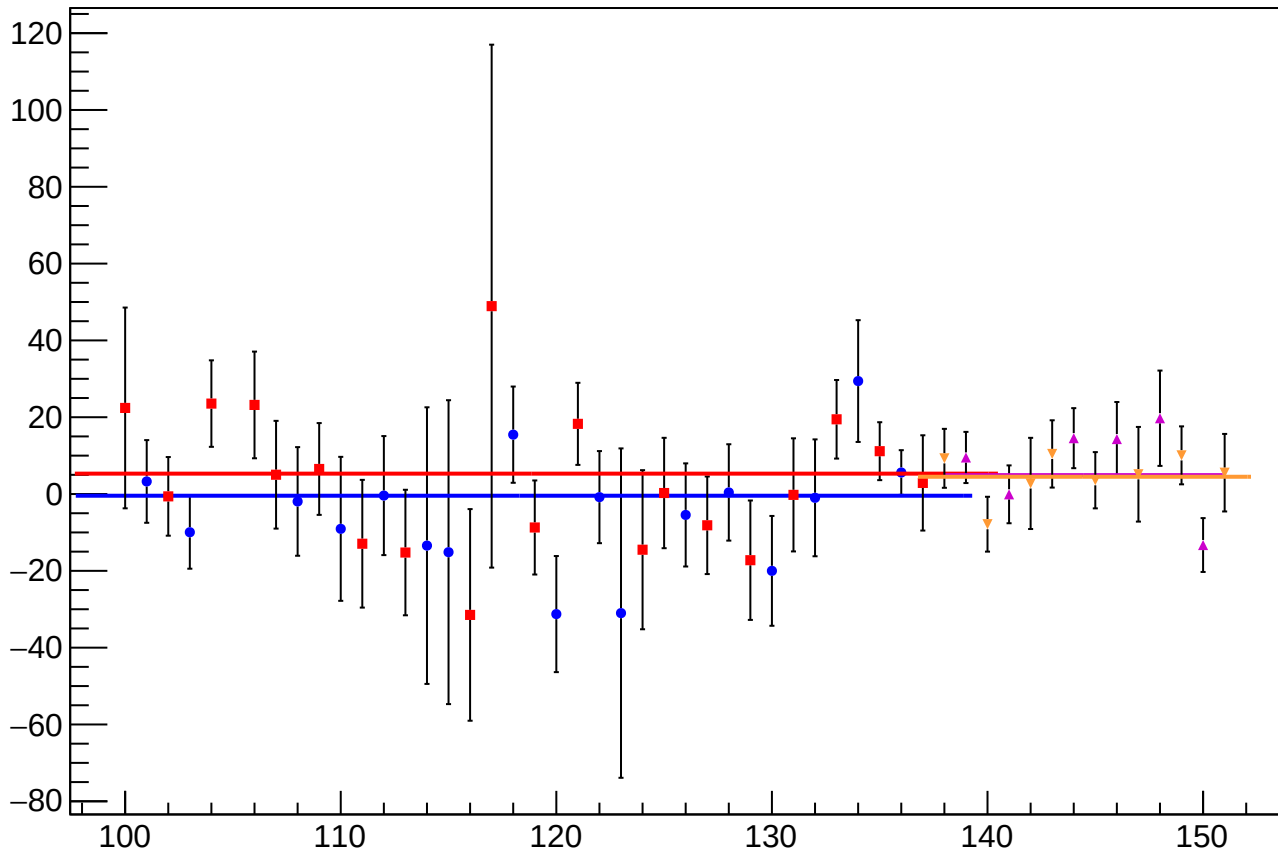
10817.292+/-2.257 χ^2/NDF : 1795085.9/24

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

11447.450+/-2.431 χ^2/NDF : 1774674.2/25

Left In: 9454.645+/-3.057 χ^2/NDF :141749.6/5

diff_bpm4aY_mean vs Slug



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

Left Out: 4.498 ± 3.025 χ^2/NDF : 4.4/7

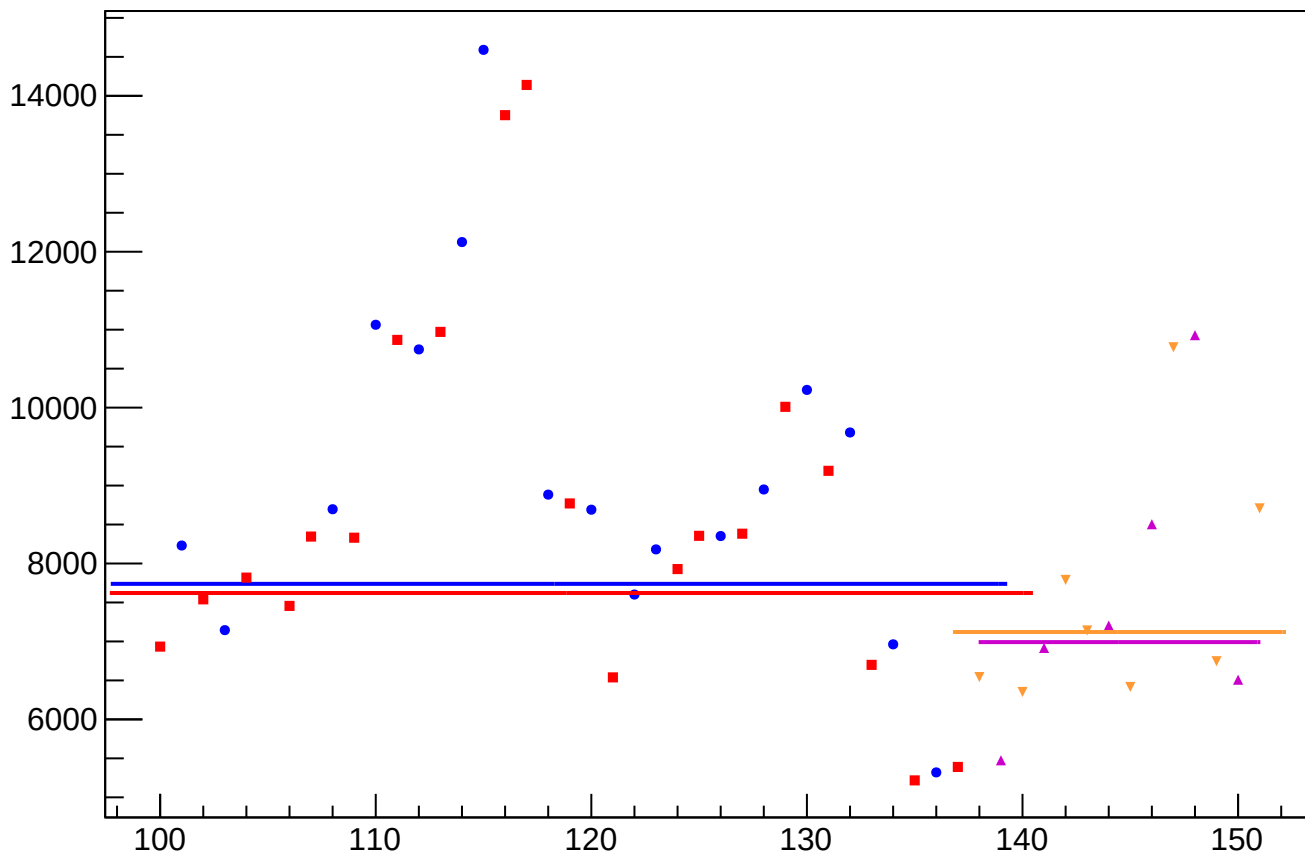
Right Out: 5.310 ± 2.933 χ^2/NDF : 19.8/19

Left In: 4.923 ± 3.260 χ^2/NDF : 11.5/5

2.066 ± 2.155 χ^2/NDF : 20.3/24

5.137 ± 2.180 χ^2/NDF : 31.3/25

diff_bpm4aY_rms vs Slug



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

Left Out: 7121.078 $\pm$ 2.139 χ^2 /NDF: 289504.7/7

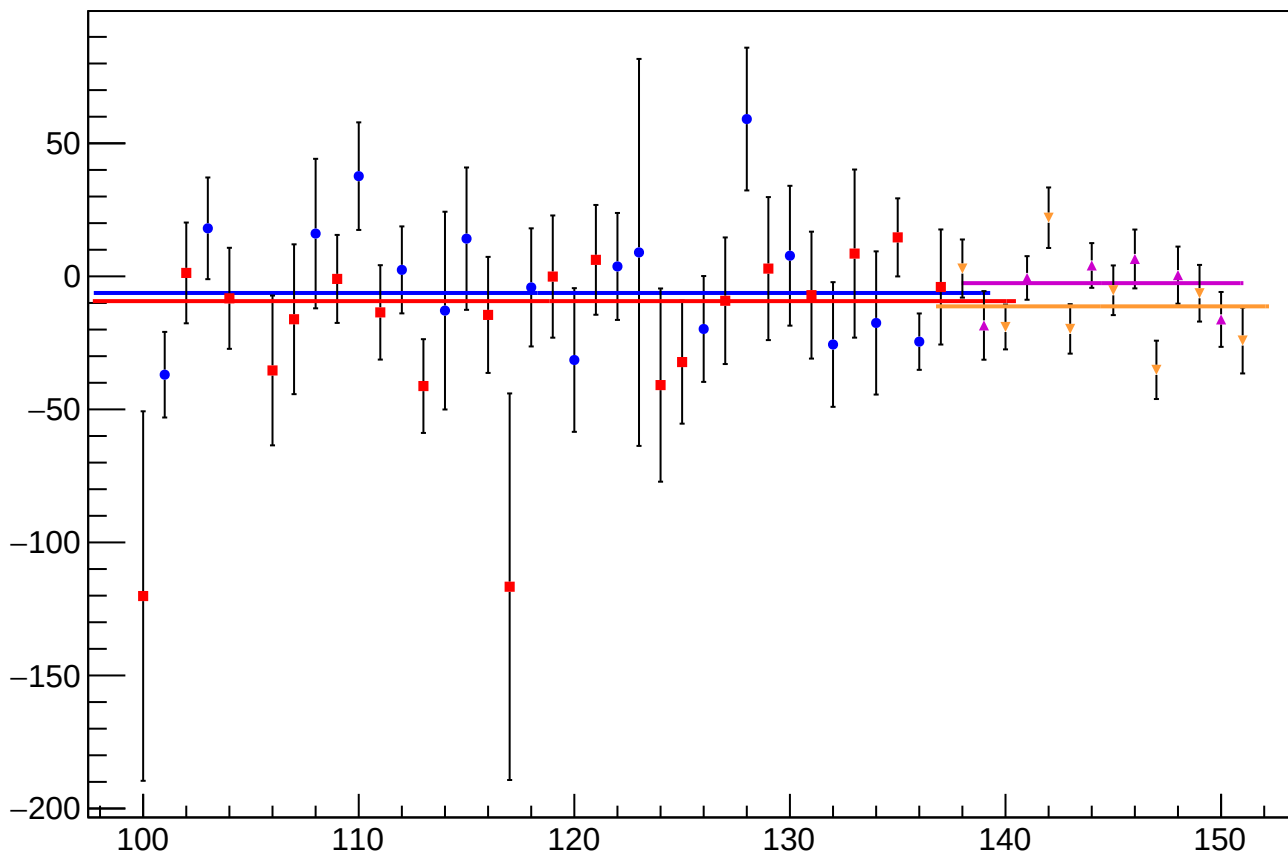
Right Out: 7621.652 $\pm$ 2.074 χ^2 /NDF: 697548.6/19

Left In: 6991.518 $\pm$ 2.305 χ^2 /NDF: 365311.8/5

7425.266 $\pm$ 1.524 χ^2 /NDF: 1071429.5/24

7339.723 $\pm$ 1.542 χ^2 /NDF: 1104160.4/25

diff_bpm4eX_mean vs Slug



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

Left Out: -11.278 ± 3.606 χ^2/NDF : 18.4/7

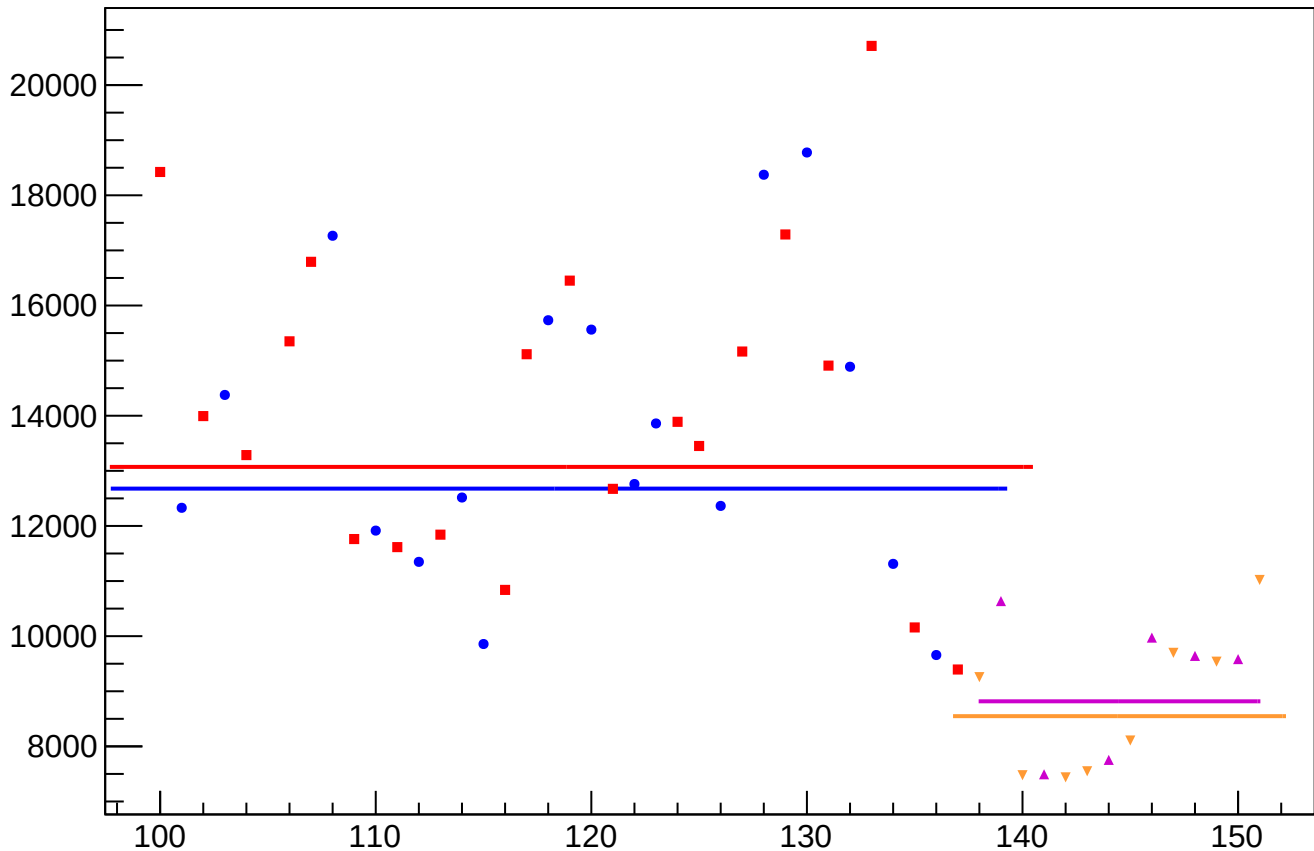
Right Out: -9.310 ± 4.987 χ^2/NDF : 15.3/19

Left In: -2.552 ± 4.037 χ^2/NDF : 4.7/5

-9.564 ± 2.928 χ^2/NDF : 42.3/24

-5.228 ± 3.138 χ^2/NDF : 21.1/25

diff_bpm4eX_rms vs Slug



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

Left Out: 8548.294+/-2.550 χ^2/NDF : 206432.6/7

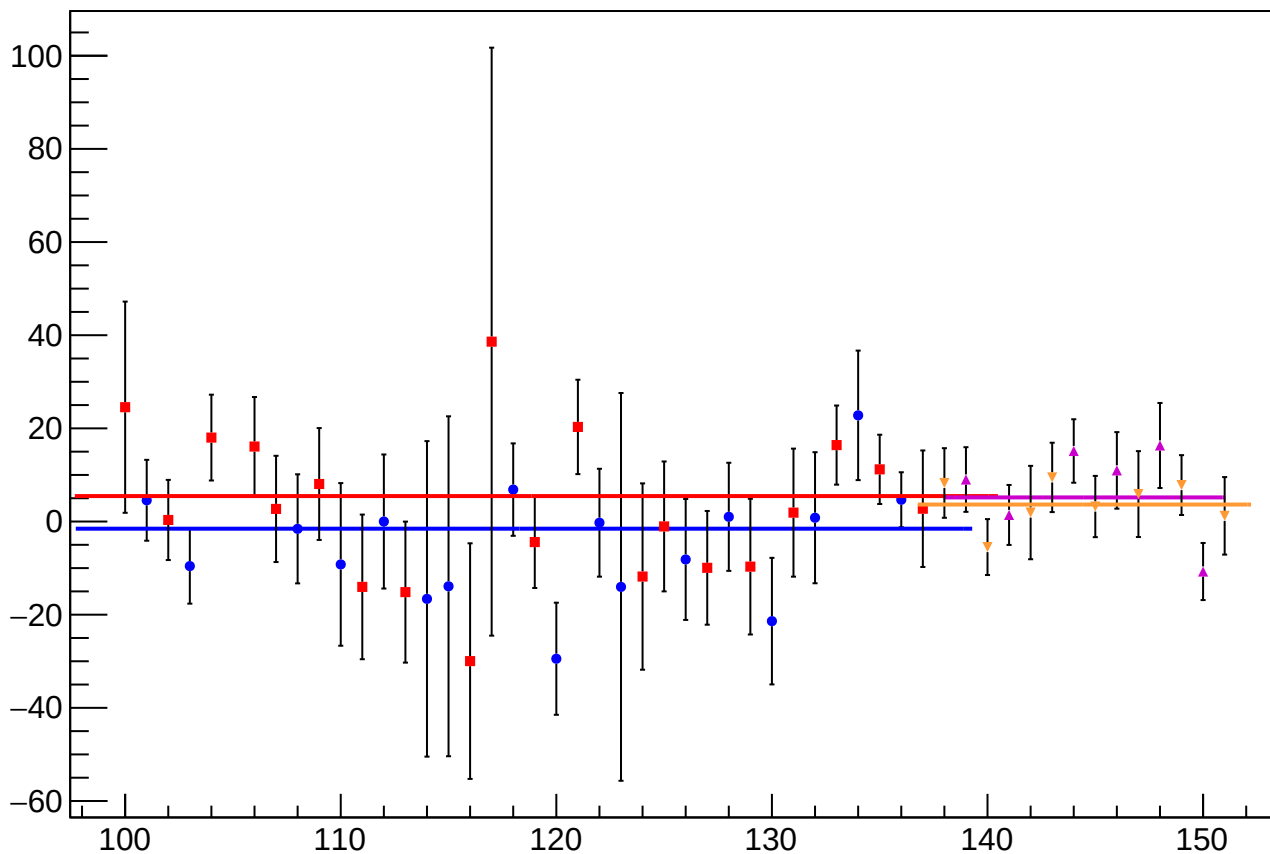
9954.496+/-2.070 χ^2/NDF : 1653344.2/24

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

10501.717+/-2.219 χ^2/NDF : 1546659.2/25

Left In: 8817.682+/-2.855 χ^2/NDF : 168723.4/5

diff_bpm4eY_mean vs Slug



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

Left Out: 3.648+/-2.606 χ^2 /NDF: 3.9/7

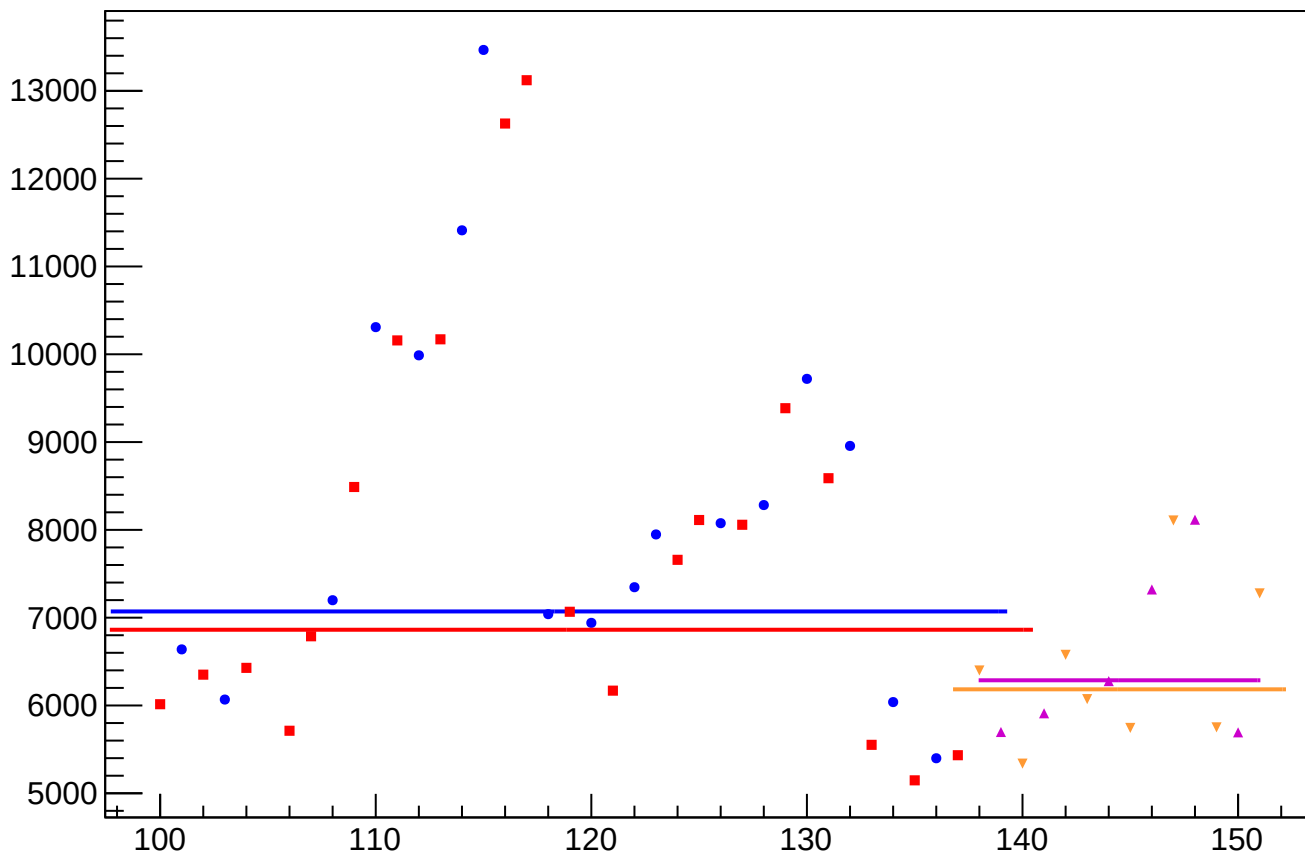
Right Out: 5.463+/-2.637 χ^2 /NDF: 18.9/19

Left In: 5.176+/-2.888 χ^2 /NDF: 11.5/5

1.232+/-1.905 χ^2 /NDF: 20.6/24

5.332+/-1.948 χ^2 /NDF: 30.4/25

diff_bpm4eY_rms vs Slug



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

Left Out: 6183.943+/-1.843 χ^2/NDF : 184440.6/7

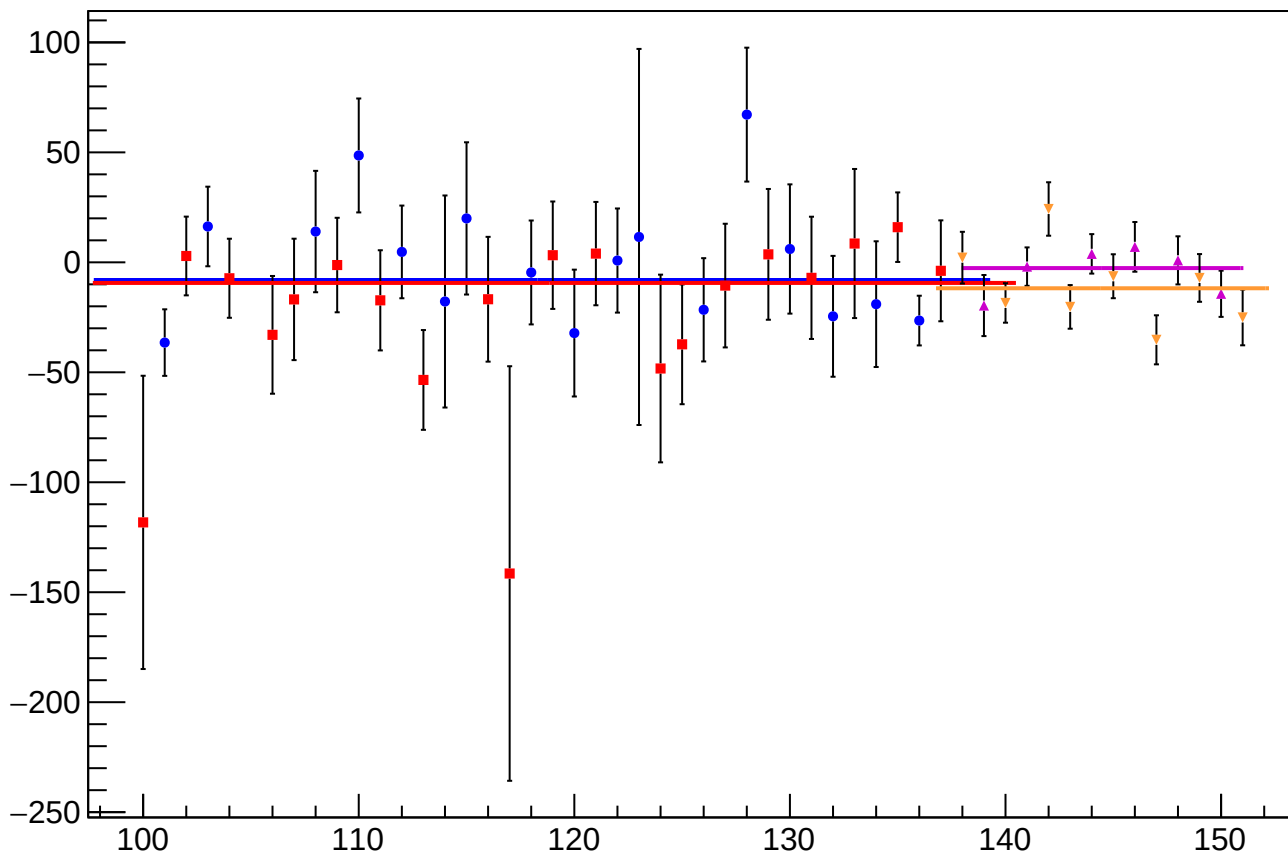
Right Out: 6862.551+/-1.865 χ^2/NDF : 704099.3/19

Left In: 6286.939+/-2.042 χ^2/NDF : 151928.8/5

6597.288+/-1.347 χ^2/NDF : 893140.9/24

6600.851+/-1.377 χ^2/NDF : 899343.0/25

diff_bpm4acX_mean vs Slug



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

Left Out: -11.797 ± 3.797 χ^2/NDF : 17.5/7

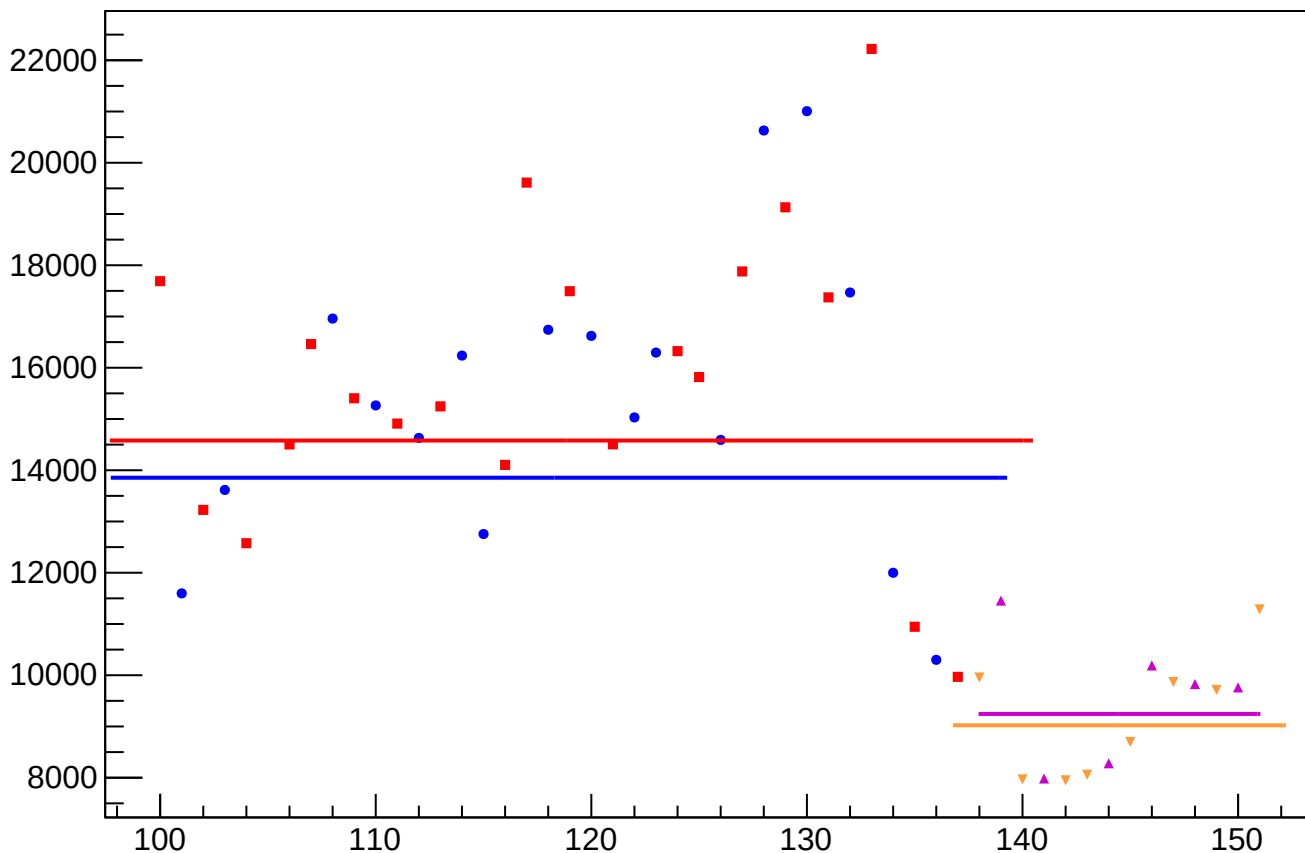
Right Out: -9.368 ± 5.556 χ^2/NDF : 15.7/19

Left In: -2.619 ± 4.227 χ^2/NDF : 4.1/5

-10.582 ± 3.124 χ^2/NDF : 40.4/24

-5.092 ± 3.364 χ^2/NDF : 20.7/25

diff_bpm4acX_rms vs Slug



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

Left Out: 9023.293+/-2.685 χ^2/NDF :160143.3/7

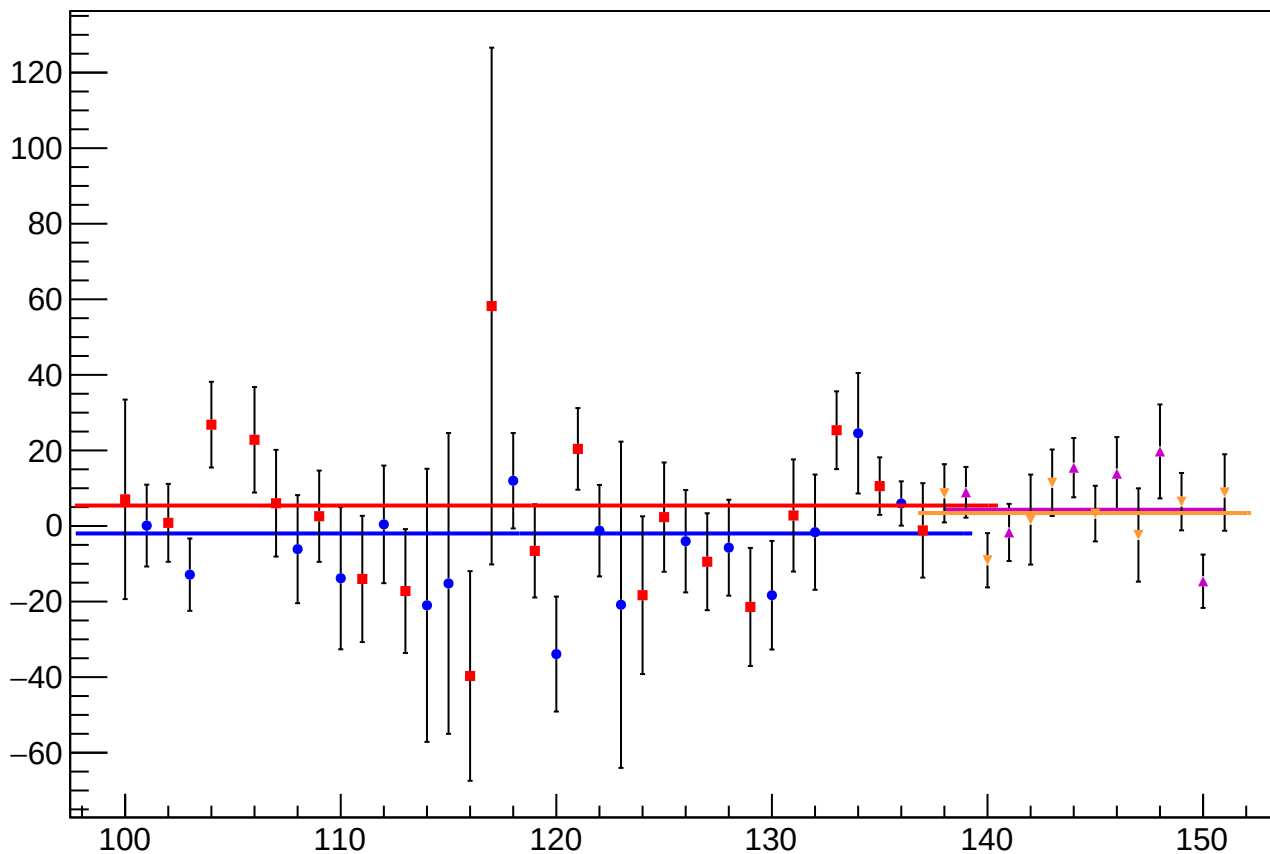
Right Out: 14579.863+/-3.929 χ^2/NDF : 480003.4/19

Left In: 9244.285+/-2.989 χ^2/NDF :139960.7/5

10583.532+/-2.209 χ^2/NDF : 1806740.0/24

11199.904+/-2.379 χ^2/NDF : 1788178.3/25

diff_bpm4acY_mean vs Slug



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

Left Out: 3.442 ± 3.039 $\chi^2/\text{NDF}: 5.0/7$

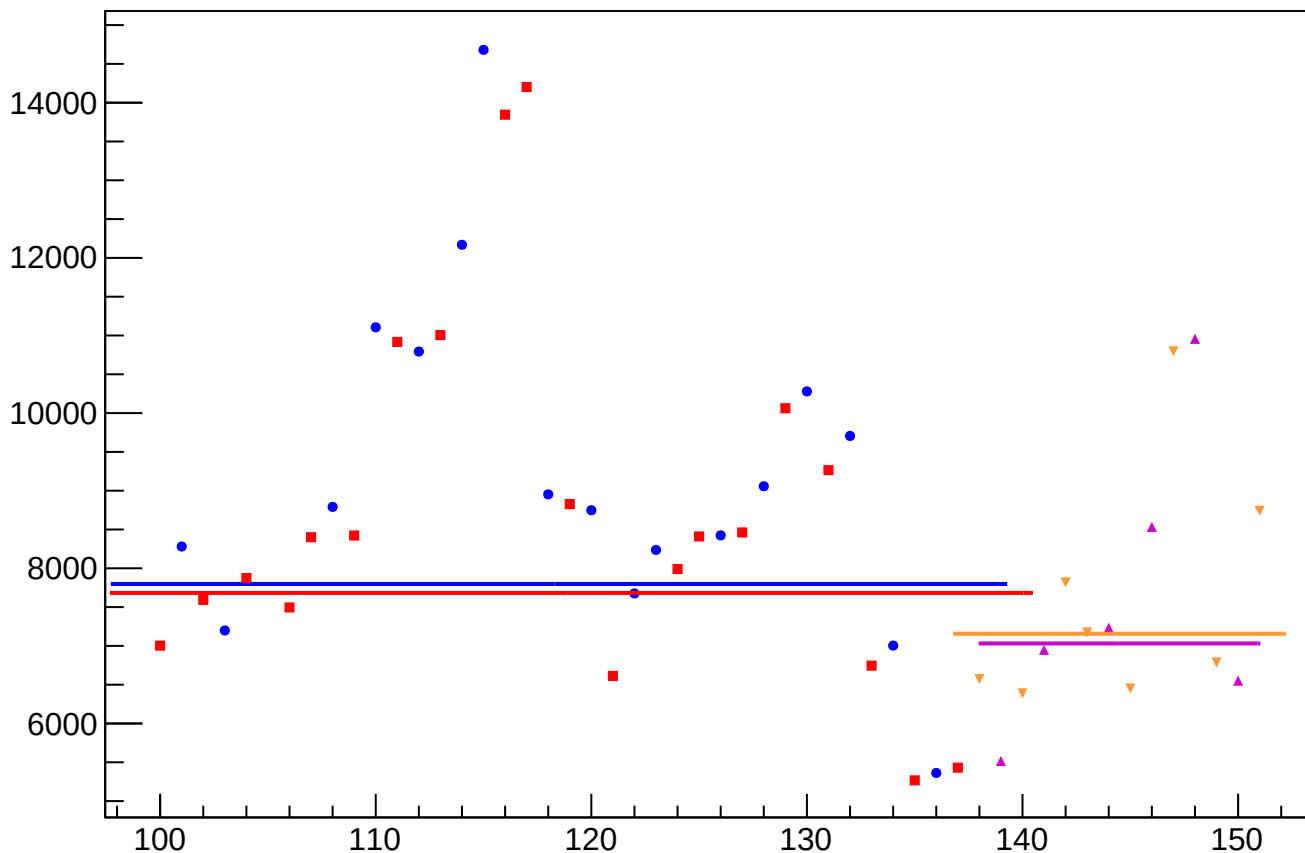
Right Out: 5.417 ± 2.956 $\chi^2/\text{NDF}: 24.9/19$

Left In: 4.306 ± 3.277 $\chi^2/\text{NDF}: 12.8/5$

0.781 ± 2.168 $\chi^2/\text{NDF}: 20.6/24$

4.918 ± 2.195 $\chi^2/\text{NDF}: 37.8/25$

diff_bpm4acY_rms vs Slug



Right In: 7798.267 $\pm$ 2.188 χ^2 /NDF: 736283.6/16

Left Out: 7156.411 $\pm$ 2.149 χ^2 /NDF:286431.4/7

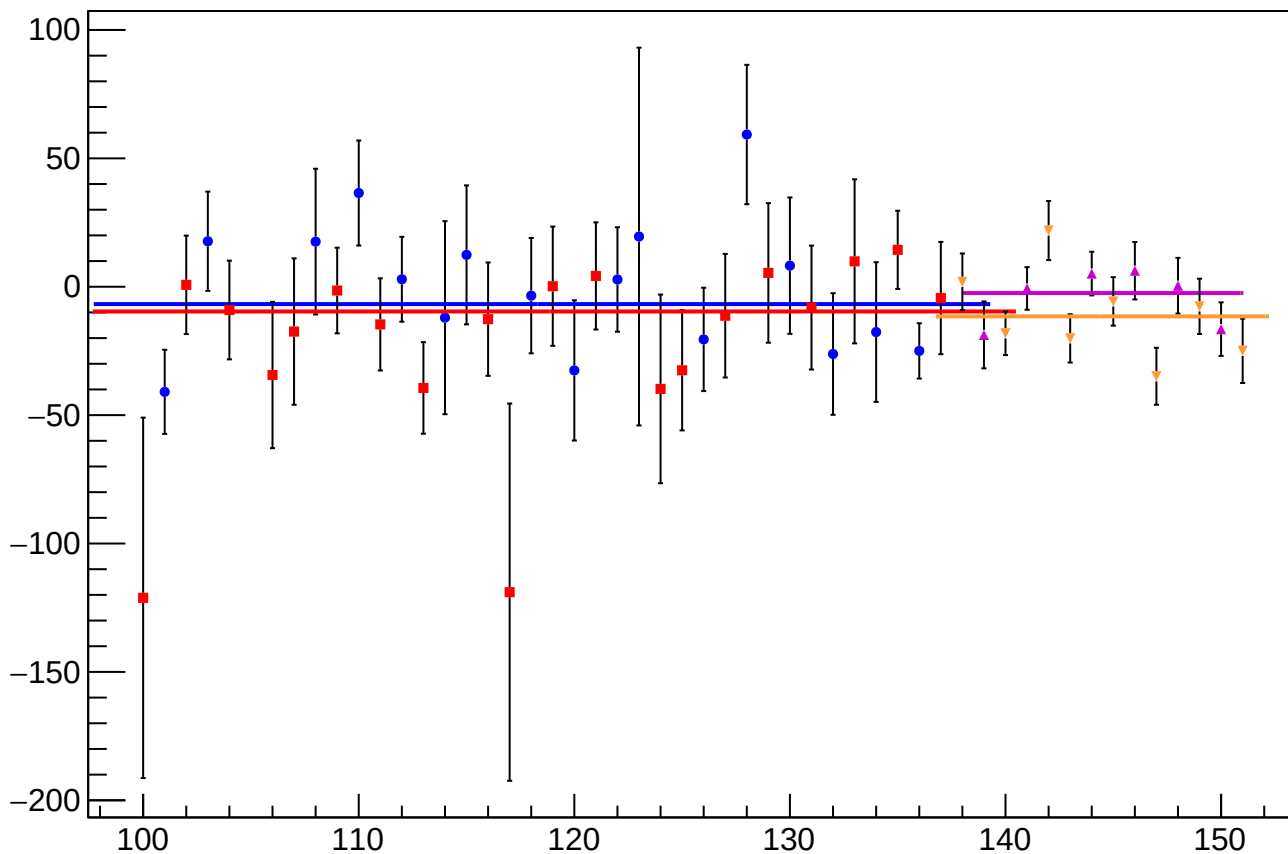
Right Out: 7682.786 $\pm$ 2.090 χ^2 /NDF: 690901.2/19

Left In: 7031.457 $\pm$ 2.317 χ^2 /NDF:360120.3/5

7471.549 $\pm$ 1.533 χ^2 /NDF: 1066529.0/24

7390.591 $\pm$ 1.552 χ^2 /NDF: 1094589.7/25

diff_bpm4ecX_mean vs Slug



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

Left Out: -11.551 ± 3.645 $\chi^2/\text{NDF}: 17.5/7$

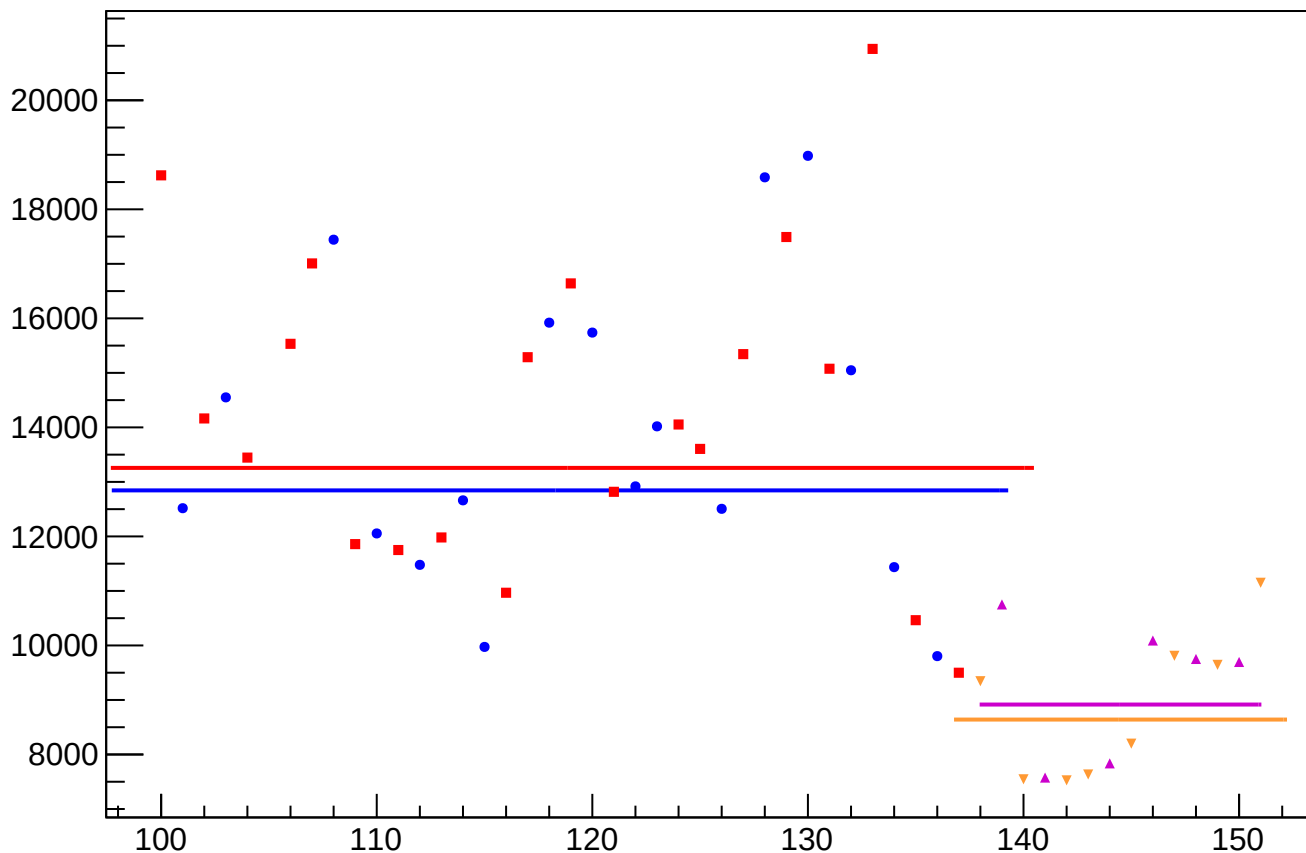
Right Out: -9.622 ± 5.058 $\chi^2/\text{NDF}: 14.5/19$

Left In: -2.459 ± 4.083 $\chi^2/\text{NDF}: 4.9/5$

-9.925 ± 2.962 $\chi^2/\text{NDF}: 41.7/24$

-5.284 ± 3.177 $\chi^2/\text{NDF}: 20.6/25$

diff_bpm4ecX_rms vs Slug



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

Left Out: 8640.477+/-2.577 χ^2/NDF : 207411.4/7

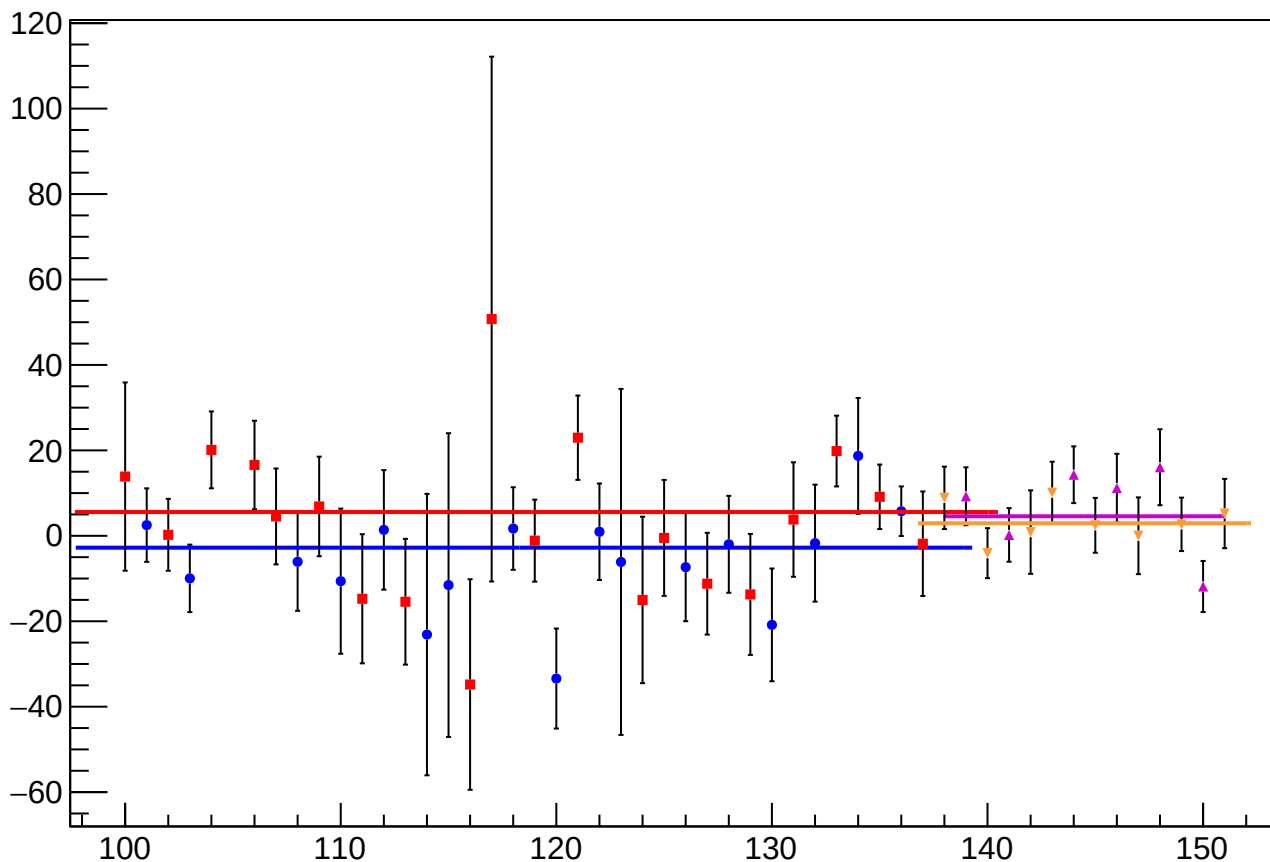
Right Out: 13256.926+/-3.577 χ^2/NDF : 487016.8/19

Left In: 8915.967+/-2.887 χ^2/NDF : 169409.7/5

10067.265+/-2.095 χ^2/NDF : 1657772.3/24

10628.252+/-2.246 χ^2/NDF : 1548333.4/25

diff_bpm4ecY_mean vs Slug



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

Left Out: 2.944 ± 2.542 χ^2/NDF : 3.3/7

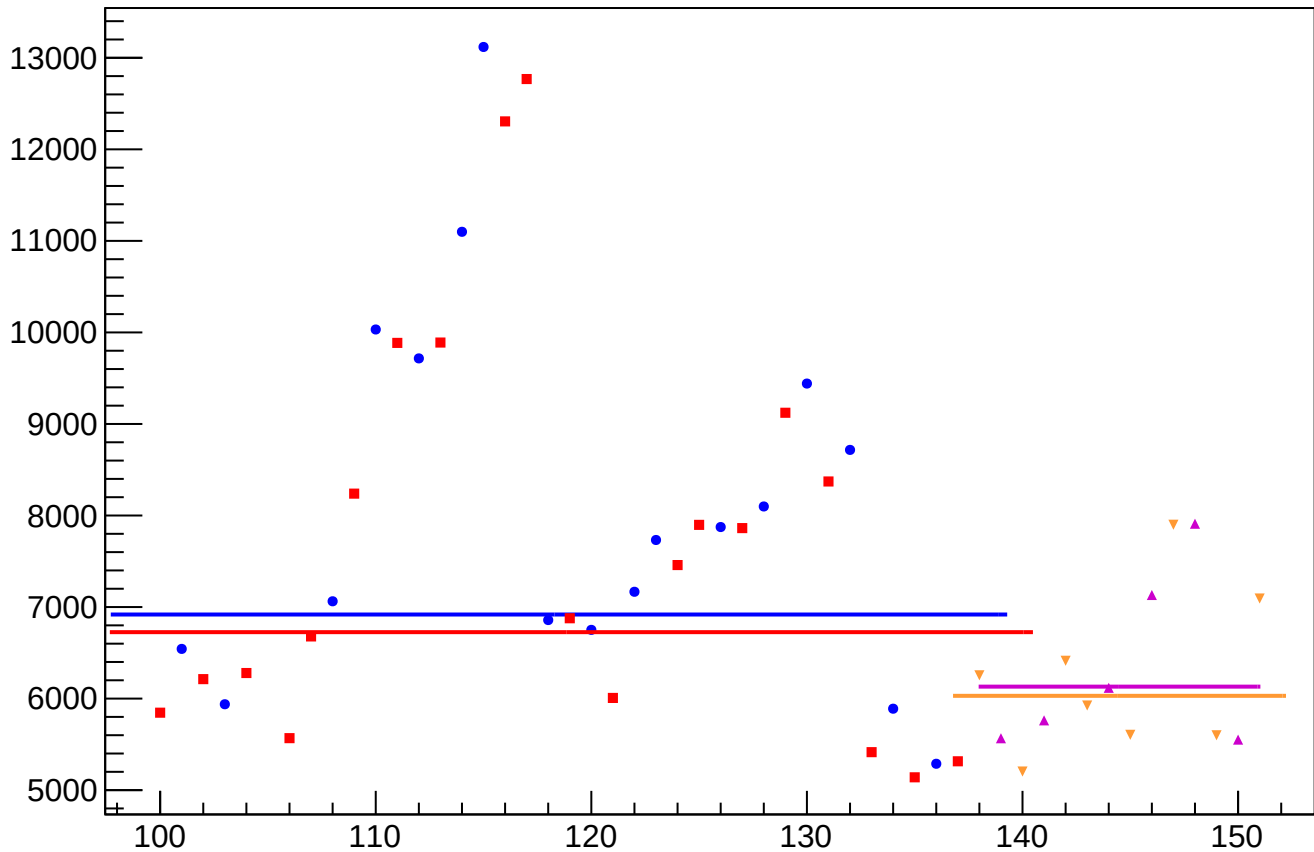
Right Out: 5.571 ± 2.585 χ^2/NDF : 23.7/19

Left In: 4.570 ± 2.817 χ^2/NDF : 13.0/5

0.290 ± 1.861 χ^2/NDF : 21.5/24

5.113 ± 1.905 χ^2/NDF : 36.8/25

diff_bpm4ecY_rms vs Slug



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

Left Out: 6030.230+/-1.797 χ^2/NDF : 184529.9/7

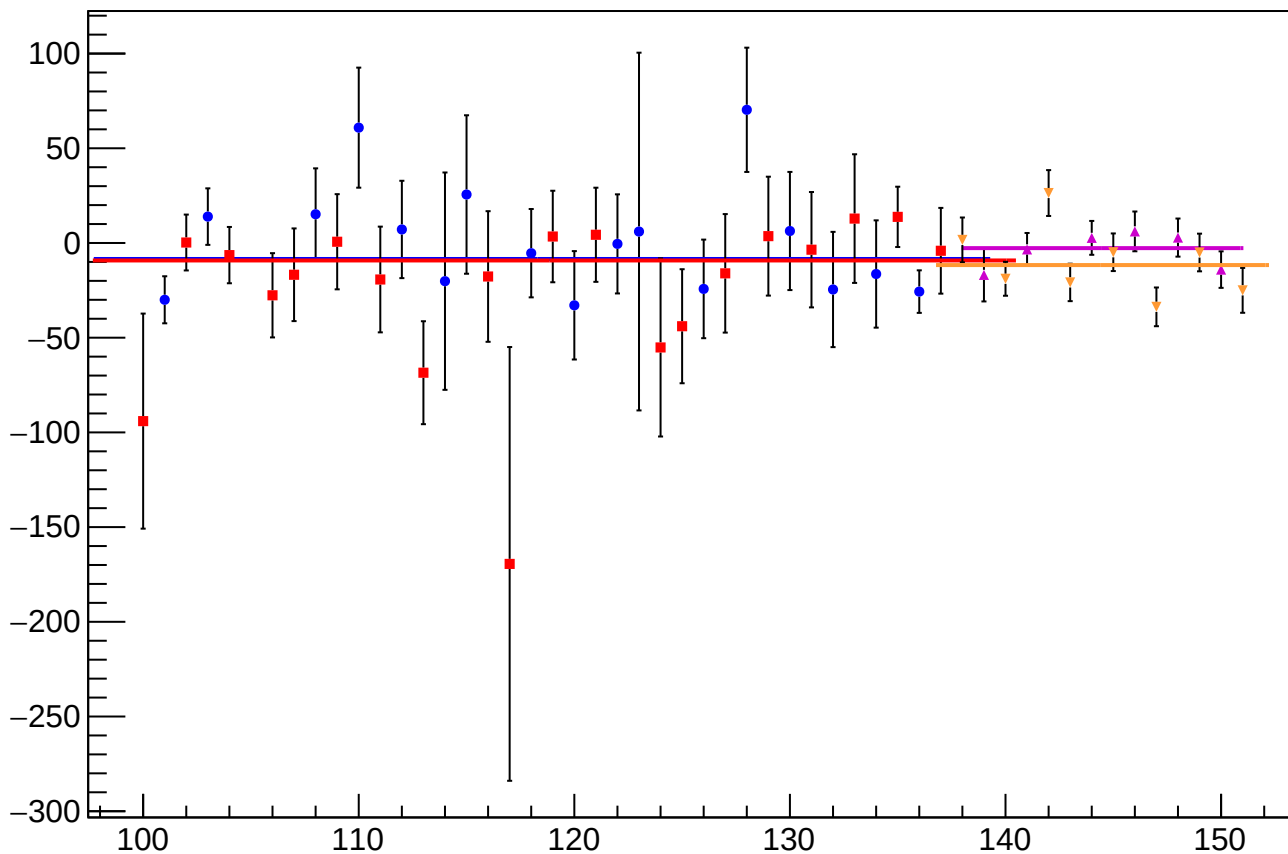
Right Out: 6725.745+/-1.828 χ^2/NDF : 675399.9/19

Left In: 6130.674+/-1.992 χ^2/NDF : 150812.5/5

6442.387+/-1.316 χ^2/NDF : 884913.5/24

6453.653+/-1.347 χ^2/NDF : 874668.1/25

diff_bpm1X_mean vs Slug



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

Left Out: -11.660 ± 3.686 χ^2/NDF : 19.5/7

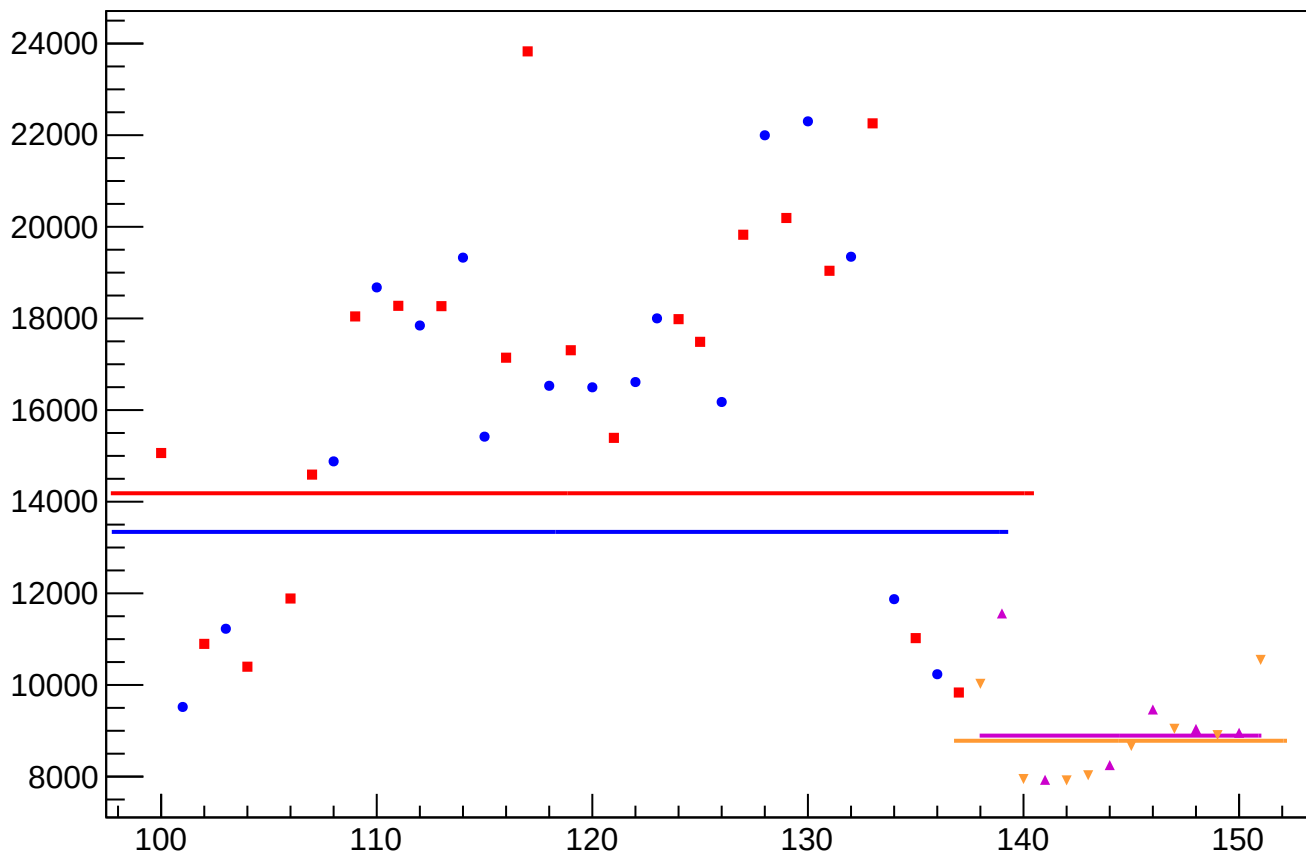
Right Out: -9.224 ± 5.502 χ^2/NDF : 16.2/19

Left In: -2.714 ± 4.062 χ^2/NDF : 3.8/5

-10.637 ± 3.043 χ^2/NDF : 41.7/24

-5.011 ± 3.268 χ^2/NDF : 20.9/25

diff_bpm1X_rms vs Slug



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

Left Out: 8782.234+/-2.606 χ^2/NDF :107566.6/7

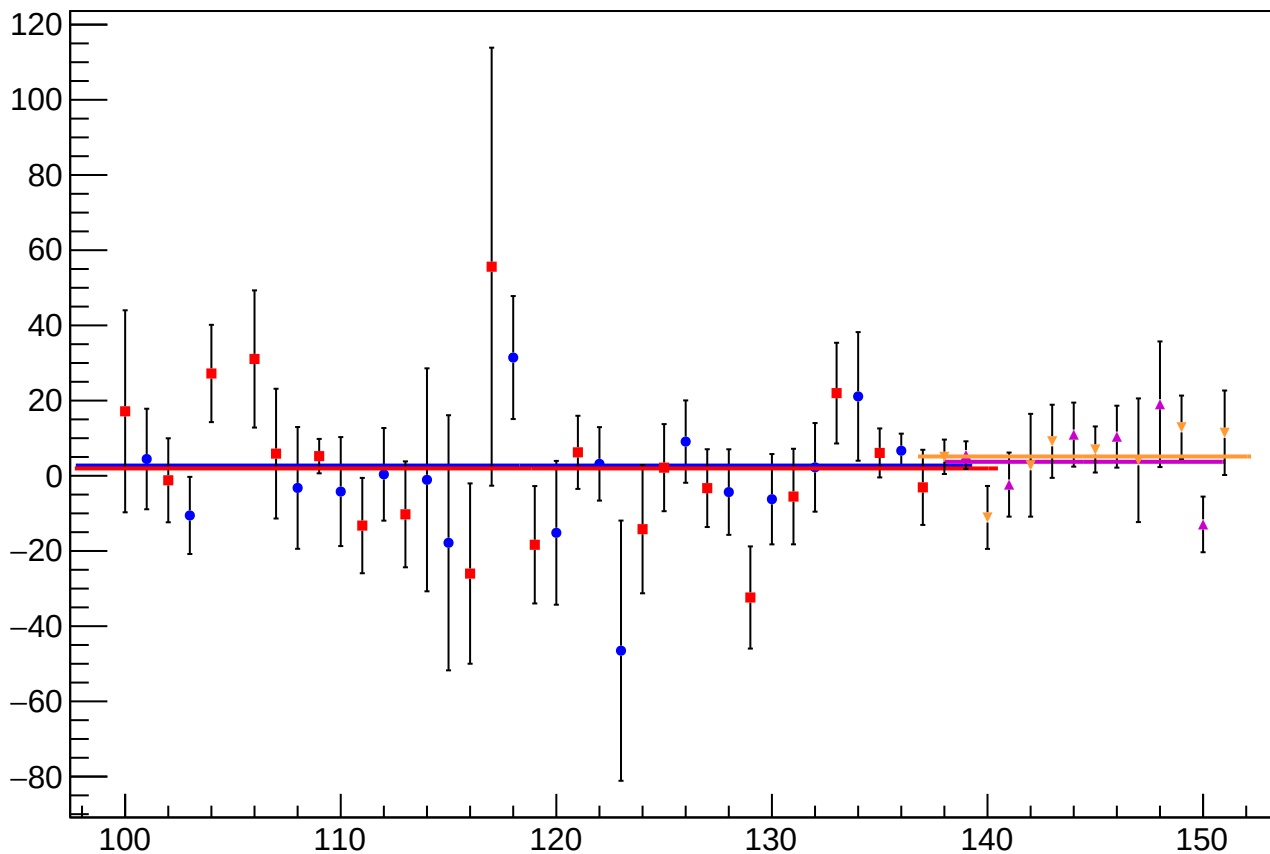
Right Out: 14184.146+/-3.891 χ^2/NDF : 946010.4/19

Left In: 8894.546+/-2.872 χ^2/NDF :113899.0/5

10233.702+/-2.152 χ^2/NDF : 2126227.7/24

10760.453+/-2.311 χ^2/NDF : 2256391.2/25

diff_bpm1Y_mean vs Slug



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

Left Out: 5.134 ± 2.772 χ^2/NDF : 5.2/7

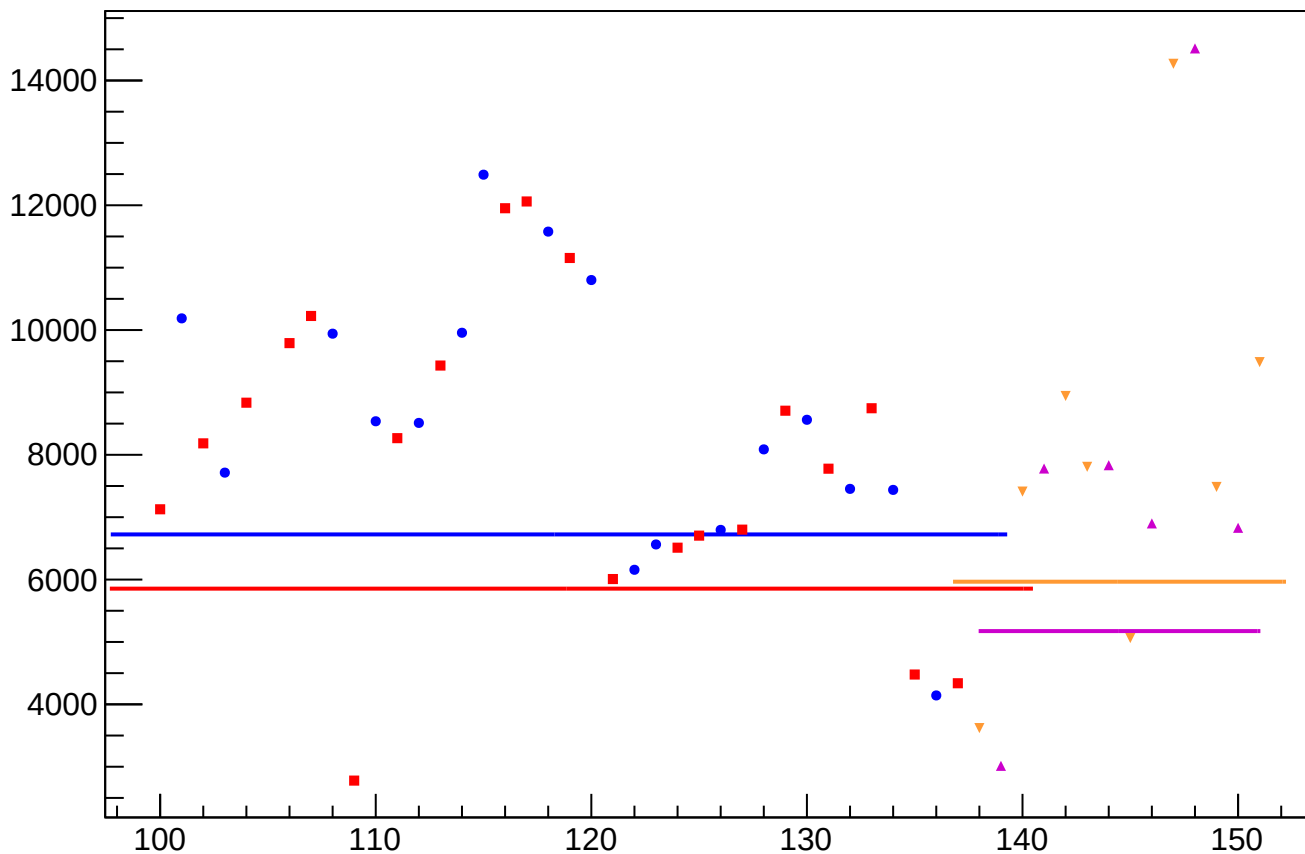
Right Out: 1.955 ± 2.437 χ^2/NDF : 24.4/19

Left In: 3.720 ± 2.682 χ^2/NDF : 8.0/5

3.917 ± 1.953 χ^2/NDF : 17.2/24

2.753 ± 1.804 χ^2/NDF : 32.6/25

diff_bpm1Y_rms vs Slug



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

Left Out: 5965.990+/-1.960 χ^2/NDF :1565393.3/7

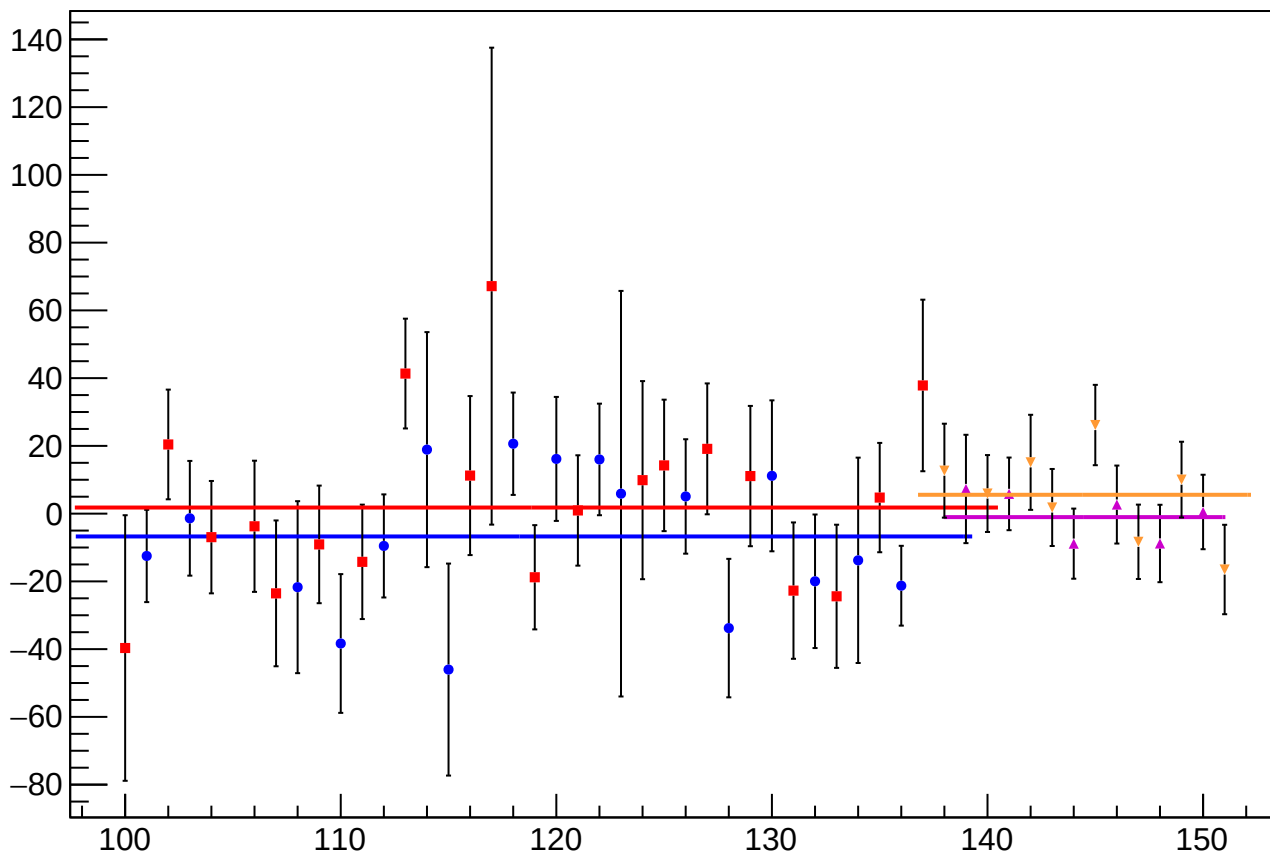
Right Out: 5854.708+/-1.723 χ^2/NDF : 2299964.9/19

Left In: 5174.288+/-1.897 χ^2/NDF :1893230.9/5

6347.588+/-1.381 χ^2/NDF : 3032774.1/24

5547.077+/-1.275 χ^2/NDF : 4263699.2/25

diff_bpm11X_mean vs Slug



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

Left Out: 5.565+/-4.267 χ^2 /NDF: 8.4/7

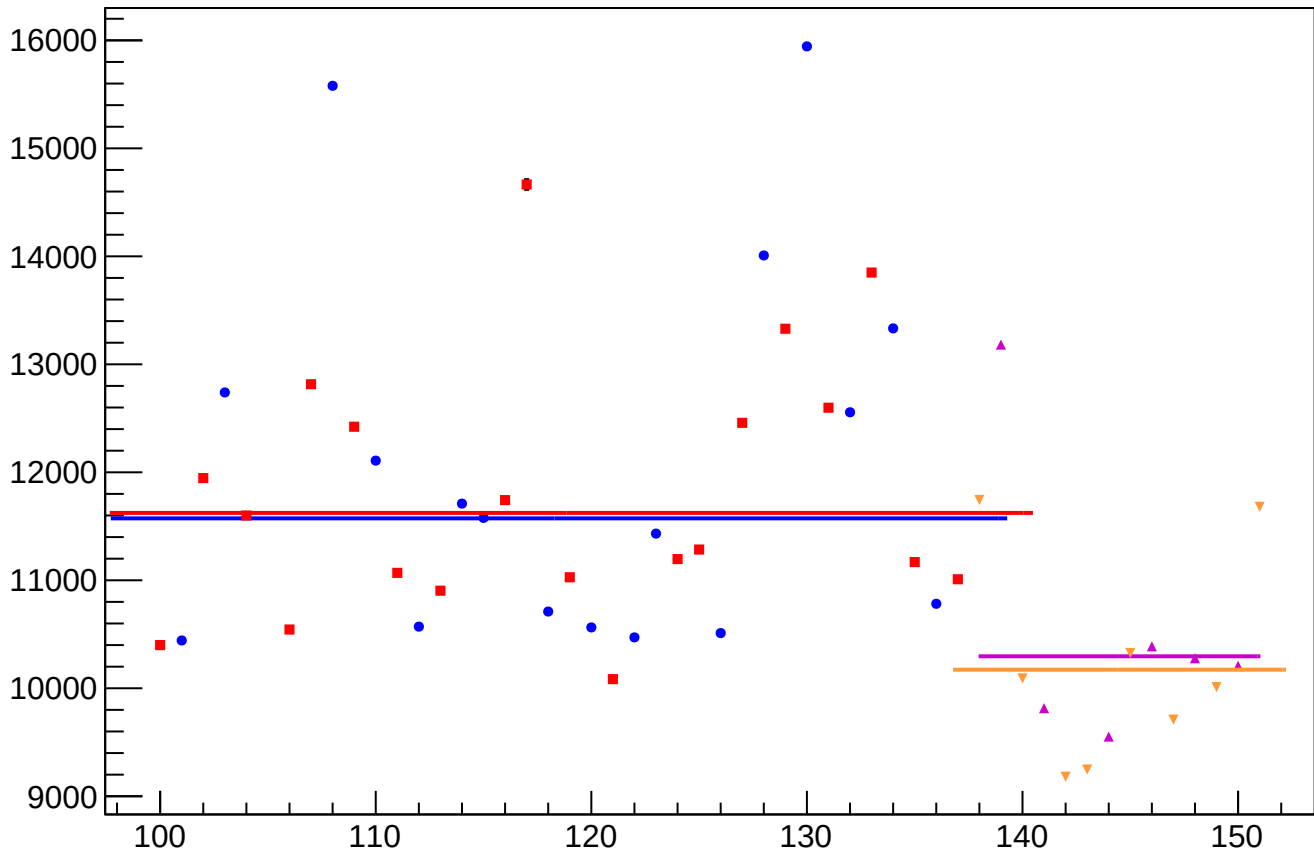
Right Out: 1.802+/-4.364 χ^2 /NDF: 20.8/19

Left In: -1.027+/-4.692 χ^2 /NDF: 1.8/5

-0.241+/-3.101 χ^2 /NDF: 29.2/24

0.489+/-3.195 χ^2 /NDF: 22.9/25

diff_bpm11X_rms vs Slug



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

Left Out: 10171.987 ± 3.017 χ^2/NDF : 79411.7/7

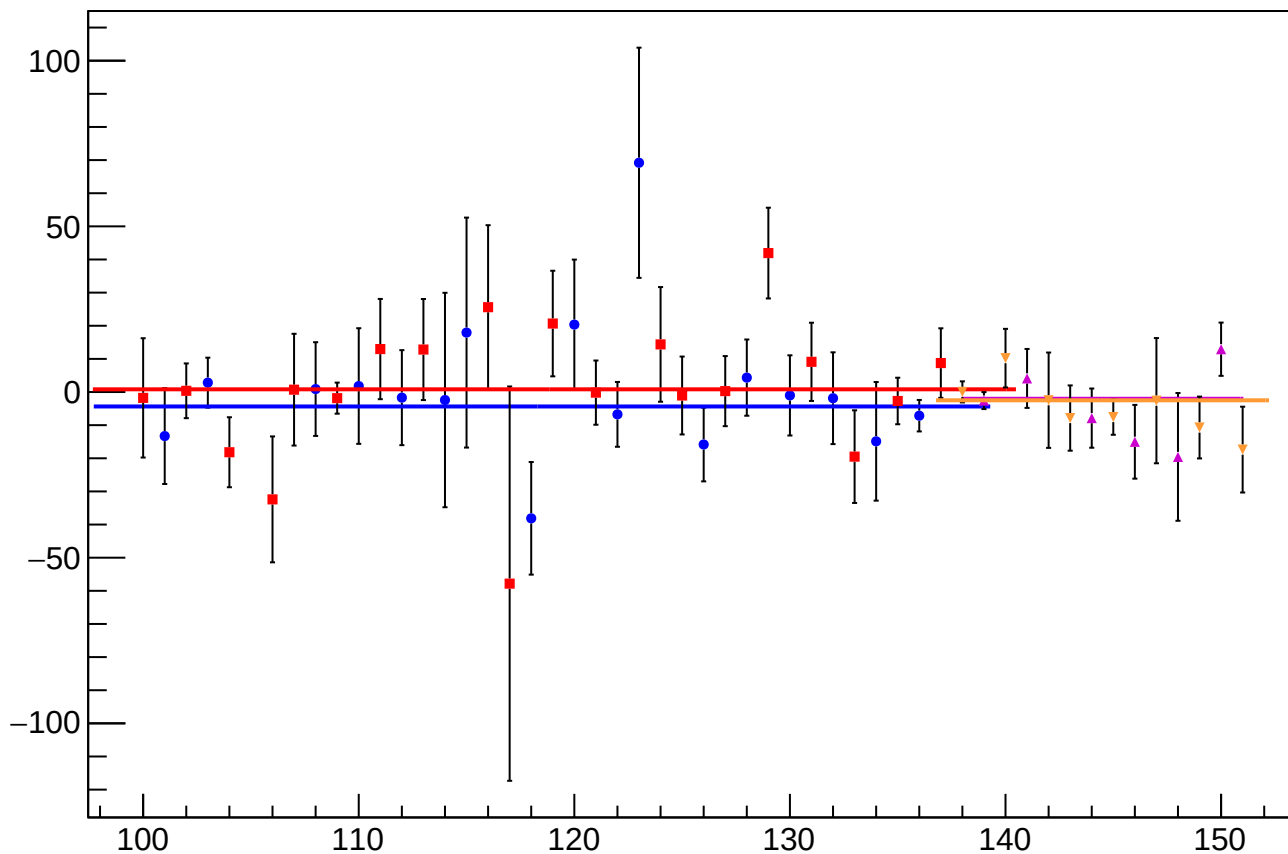
Right Out: 11623.951 ± 3.086 χ^2/NDF : 98055.0/19

Left In: 10296.051 ± 3.318 χ^2/NDF : 79763.2/5

10833.526 ± 2.192 χ^2/NDF : 419987.2/24

11008.001 ± 2.259 χ^2/NDF : 263715.9/25

diff_bpm11Y_mean vs Slug



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

Left Out: -2.500 ± 2.343 χ^2/NDF : 6.0/7

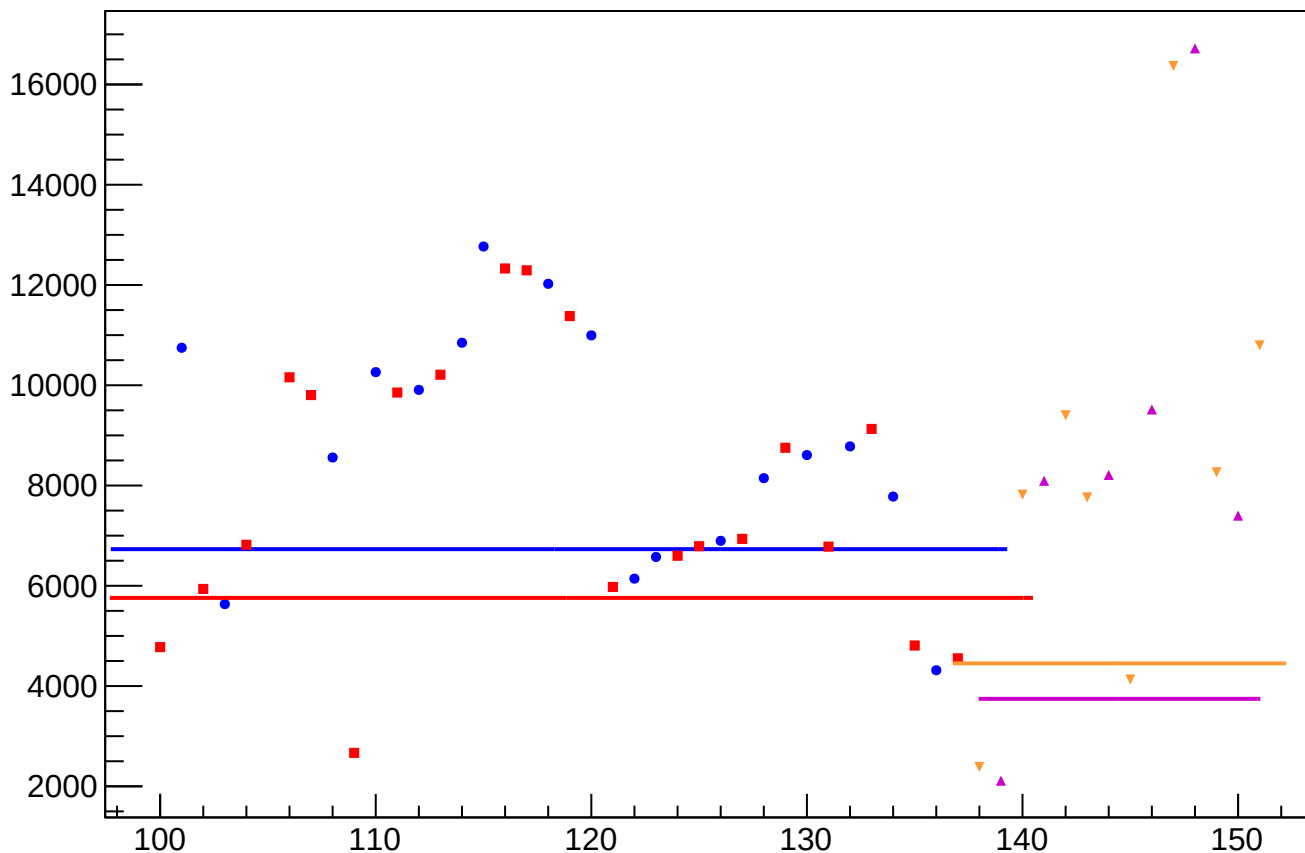
Right Out: 0.816 ± 2.424 χ^2/NDF : 24.5/19

Left In: -2.035 ± 2.215 χ^2/NDF : 6.6/5

-3.274 ± 1.791 χ^2/NDF : 20.8/24

-0.738 ± 1.635 χ^2/NDF : 31.9/25

diff_bpm11Y_rms vs Slug



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

Left Out: 4452.434+/-1.657 χ^2/NDF : 3214544.4/7

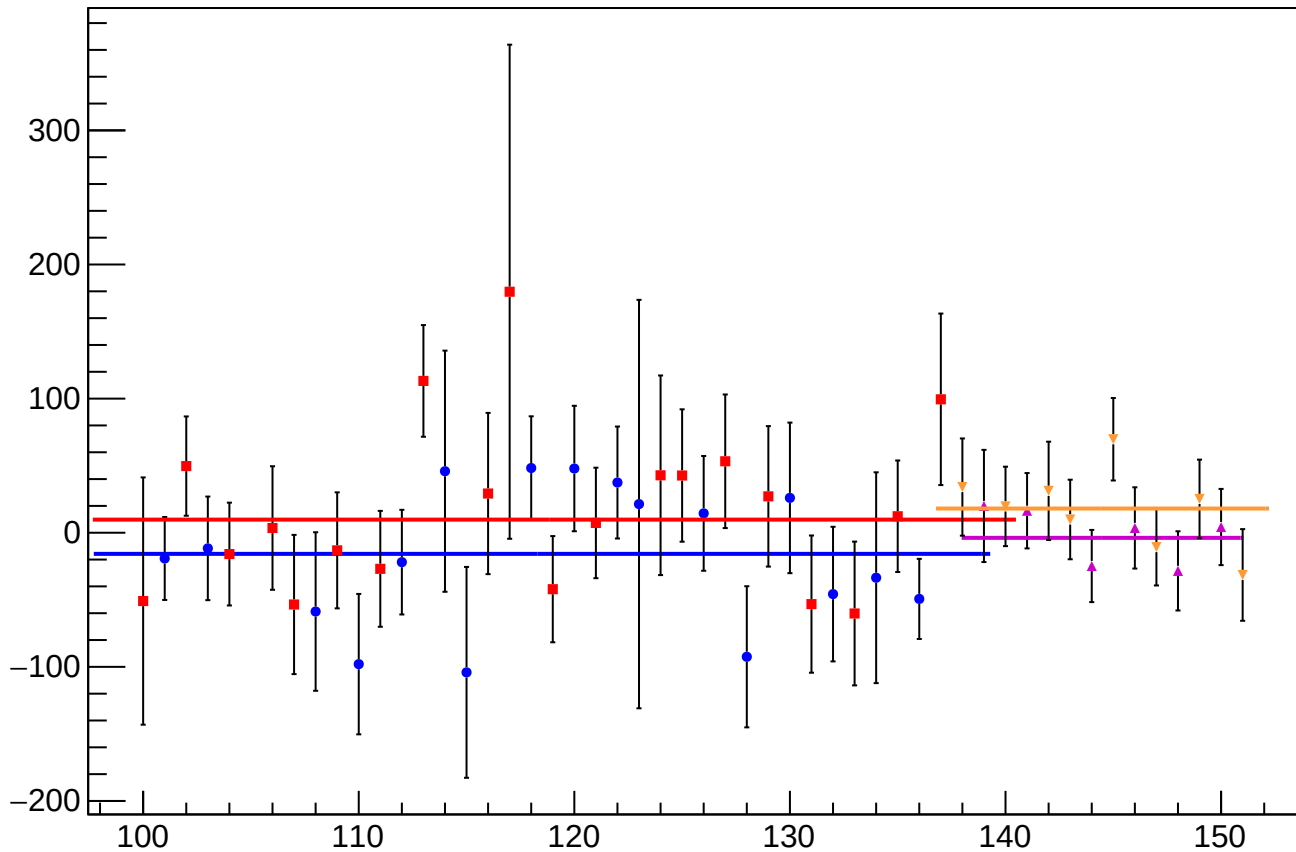
Right Out: 5758.506+/-1.714 χ^2/NDF : 2186395.0/19

Left In: 3745.105+/-1.566 χ^2/NDF : 3648778.5/5

5400.323+/-1.266 χ^2/NDF : 5446285.4/24

4661.118+/-1.156 χ^2/NDF : 6587191.4/25

diff_bpm12X_mean vs Slug



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

Left Out: 18.052 ± 11.124 χ^2/NDF : 6.4/7

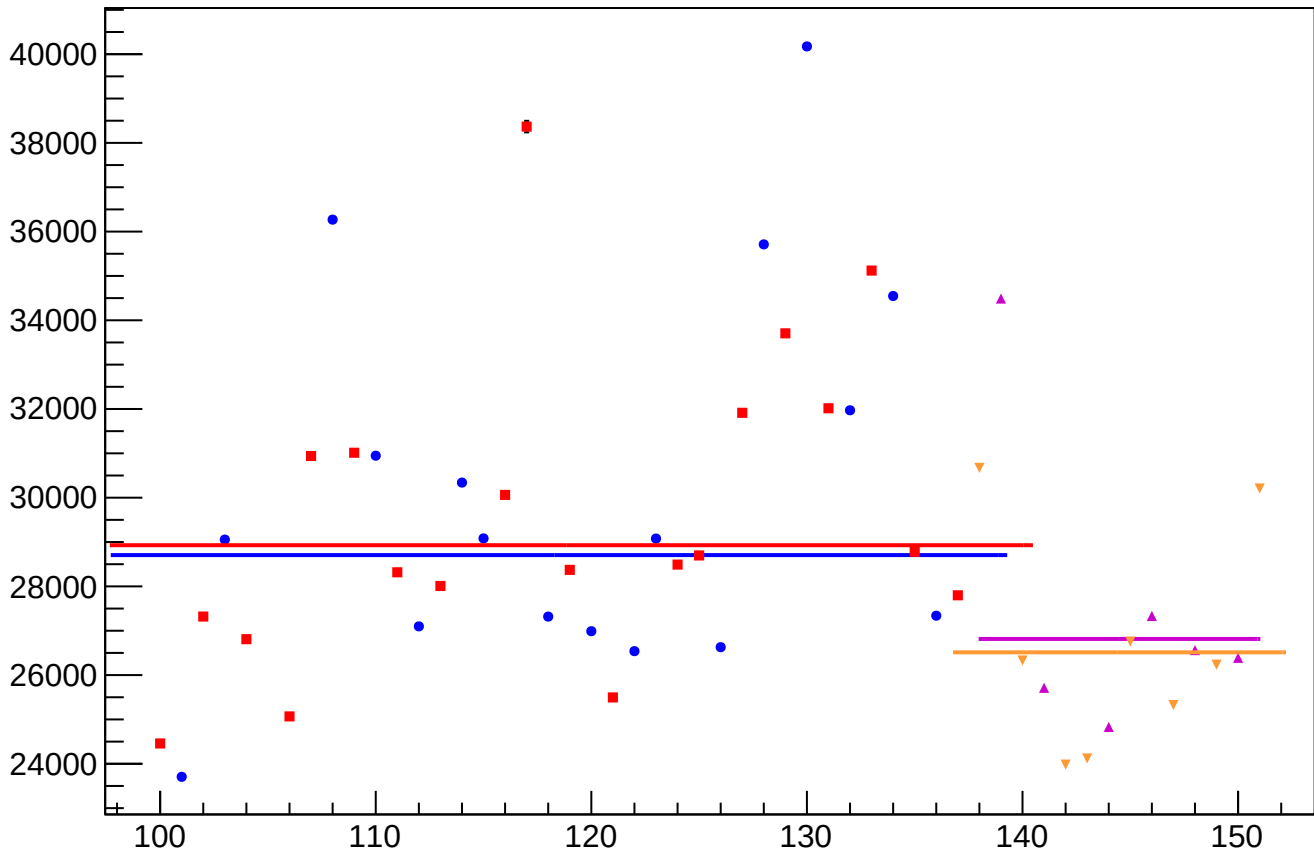
Right Out: 9.773 ± 10.870 χ^2/NDF : 20.1/19

Left In: -3.809 ± 12.221 χ^2/NDF : 2.3/5

1.276 ± 7.895 χ^2/NDF : 26.9/24

3.774 ± 8.122 χ^2/NDF : 23.1/25

diff_bpm12X_rms vs Slug



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

Left Out: 26513.136+/-7.866 χ^2/NDF : 76099.0/7

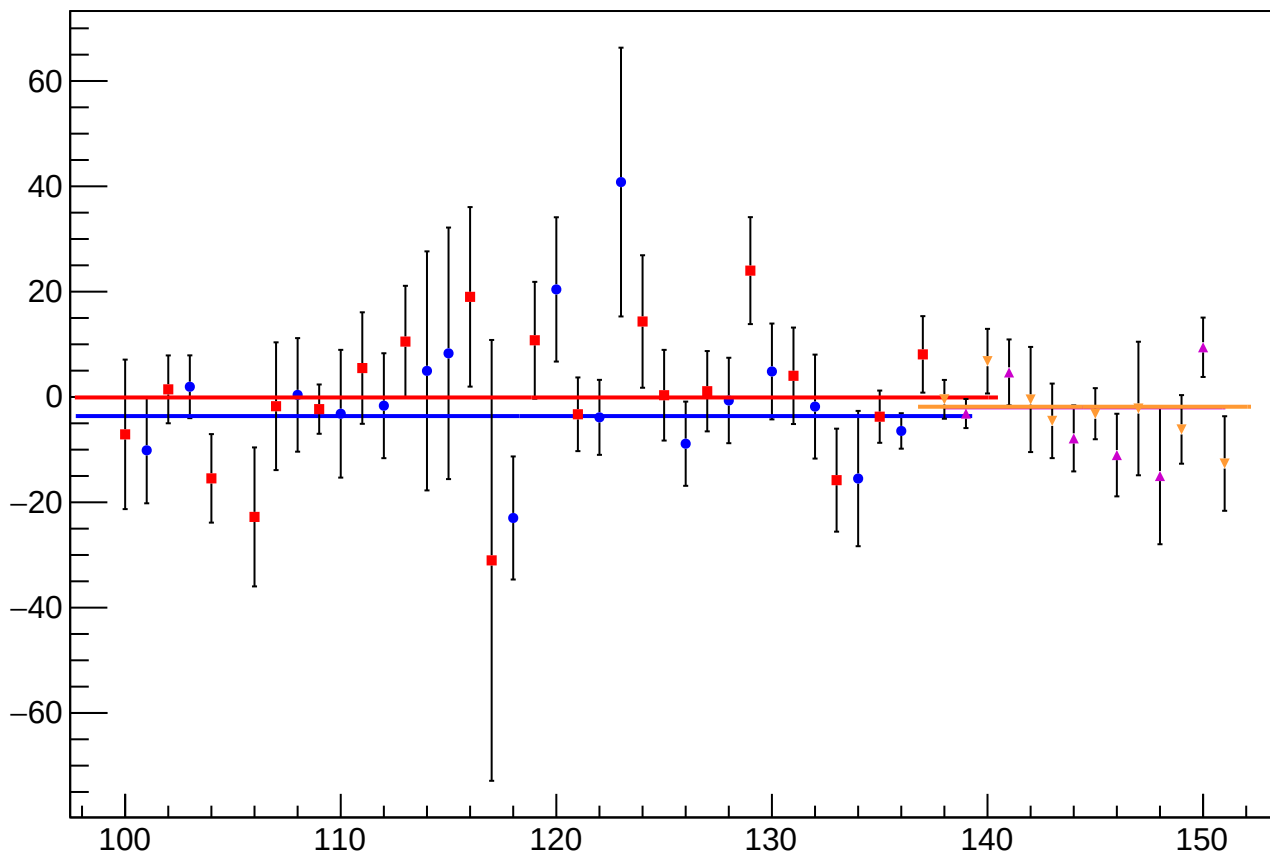
27601.187+/-5.583 χ^2/NDF : 365644.7/24

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

27994.919+/-5.743 χ^2/NDF : 232349.0/25

Left In: 26814.809+/-8.642 χ^2/NDF : 82465.3/5

diff_bpm12Y_mean vs Slug



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

Left Out: -1.851 ± 2.157 χ^2/NDF : 4.3/7

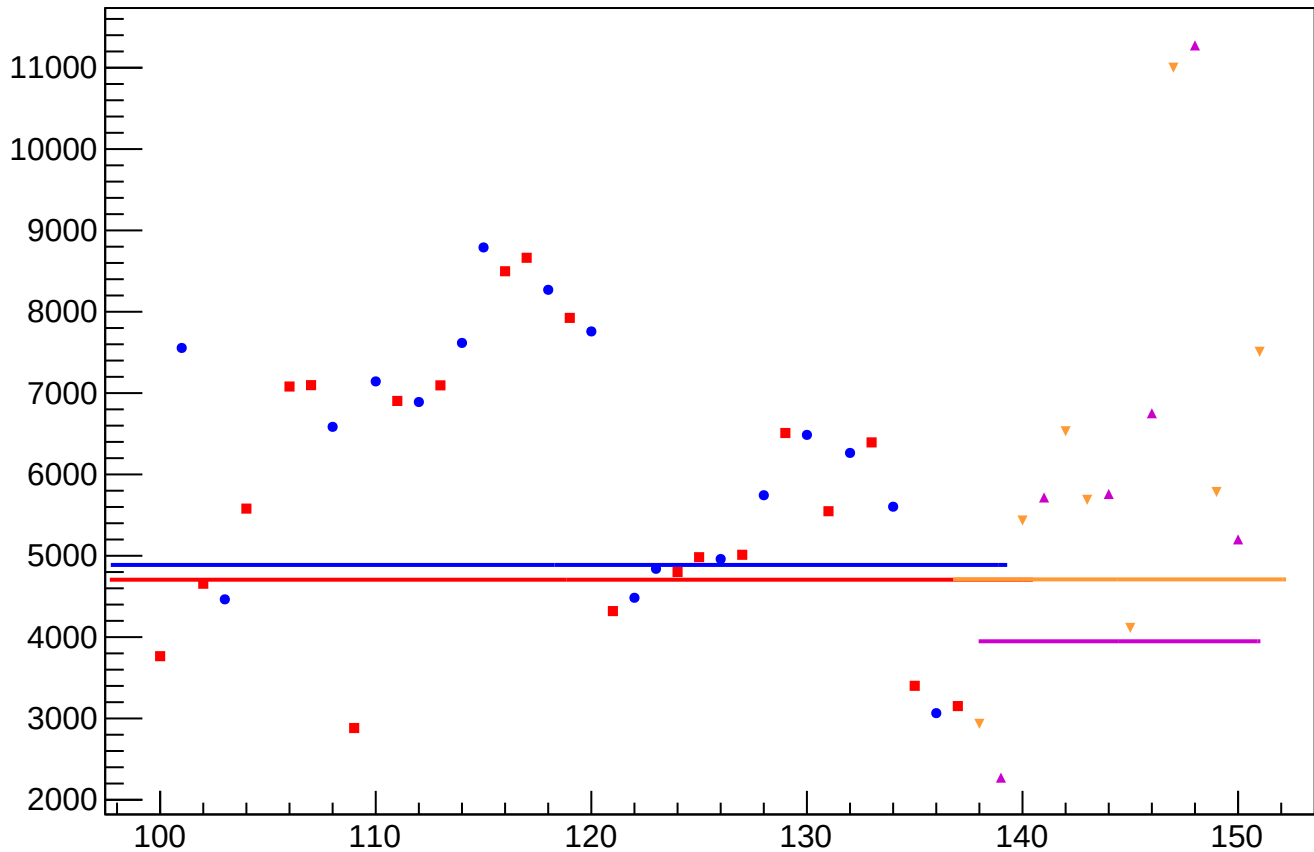
Right Out: -0.090 ± 1.888 χ^2/NDF : 22.6/19

Left In: -1.973 ± 2.059 χ^2/NDF : 8.6/5

-2.802 ± 1.469 χ^2/NDF : 18.4/24

-0.950 ± 1.392 χ^2/NDF : 31.7/25

diff_bpm12Y_rms vs Slug



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

Left Out: 4709.881+/-1.525 χ^2/NDF :1368294.9/7

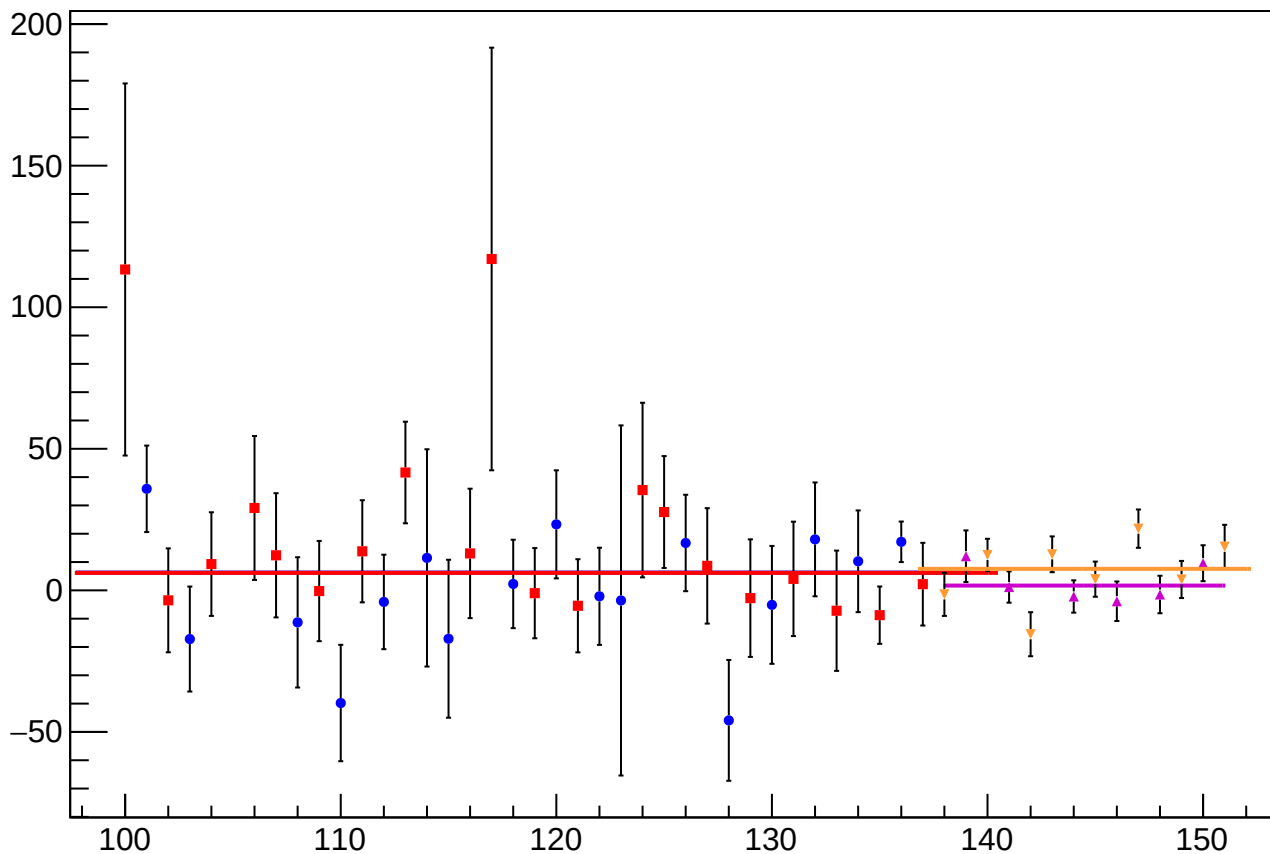
4805.136+/-1.039 χ^2/NDF : 2784864.6/24

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

4360.058+/-0.984 χ^2/NDF : 3535200.5/25

Left In: 3948.685+/-1.456 χ^2/NDF :2057291.7/5

diff_bpm16X_mean vs Slug



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

Left Out: 7.599 ± 2.376 $\chi^2/\text{NDF}: 17.7/7$

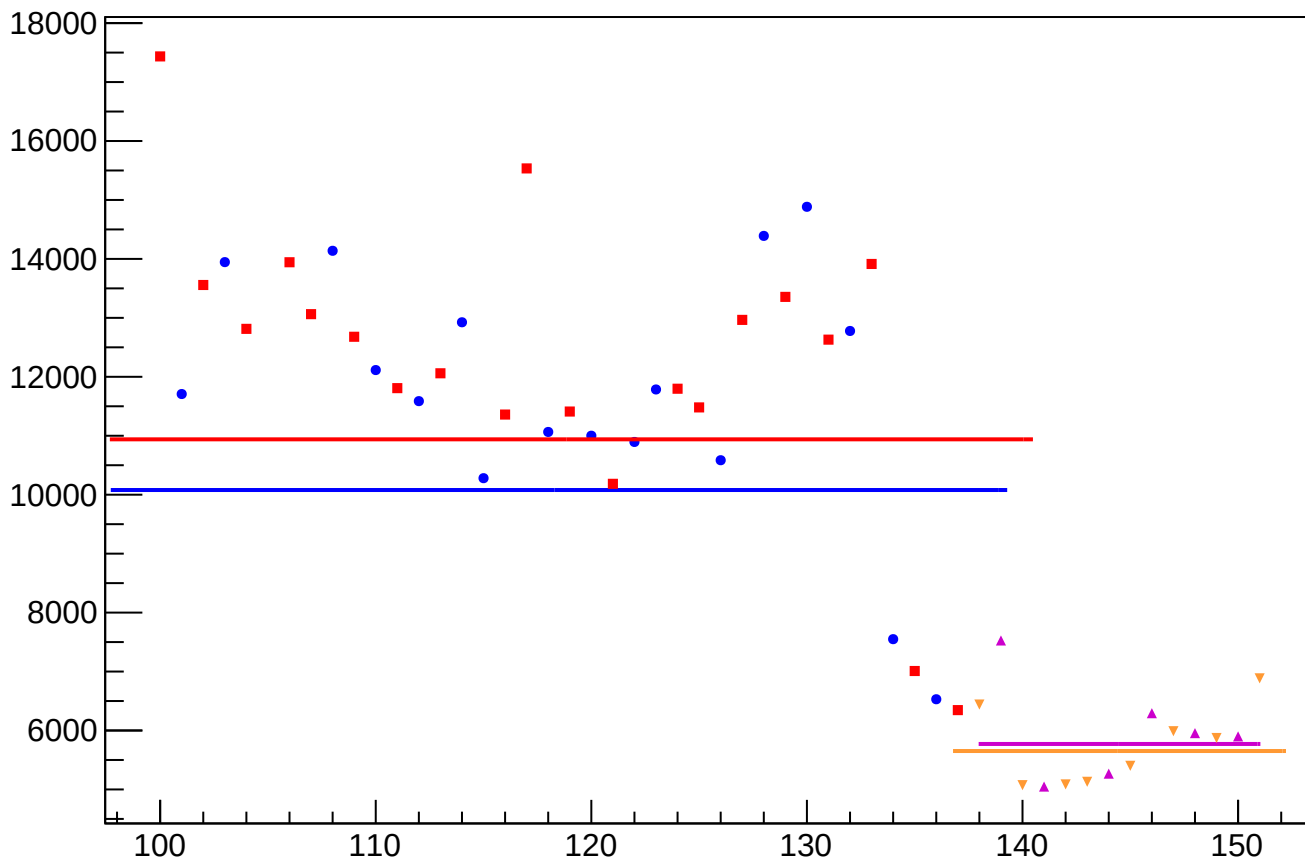
Right Out: 6.182 ± 4.212 $\chi^2/\text{NDF}: 16.0/19$

Left In: 1.689 ± 2.639 $\chi^2/\text{NDF}: 4.2/5$

7.264 ± 2.051 $\chi^2/\text{NDF}: 40.3/24$

2.955 ± 2.236 $\chi^2/\text{NDF}: 21.0/25$

diff_bpm16X_rms vs Slug



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

Left Out: 5651.800 ± 1.680 χ^2/NDF : 127538.1/7

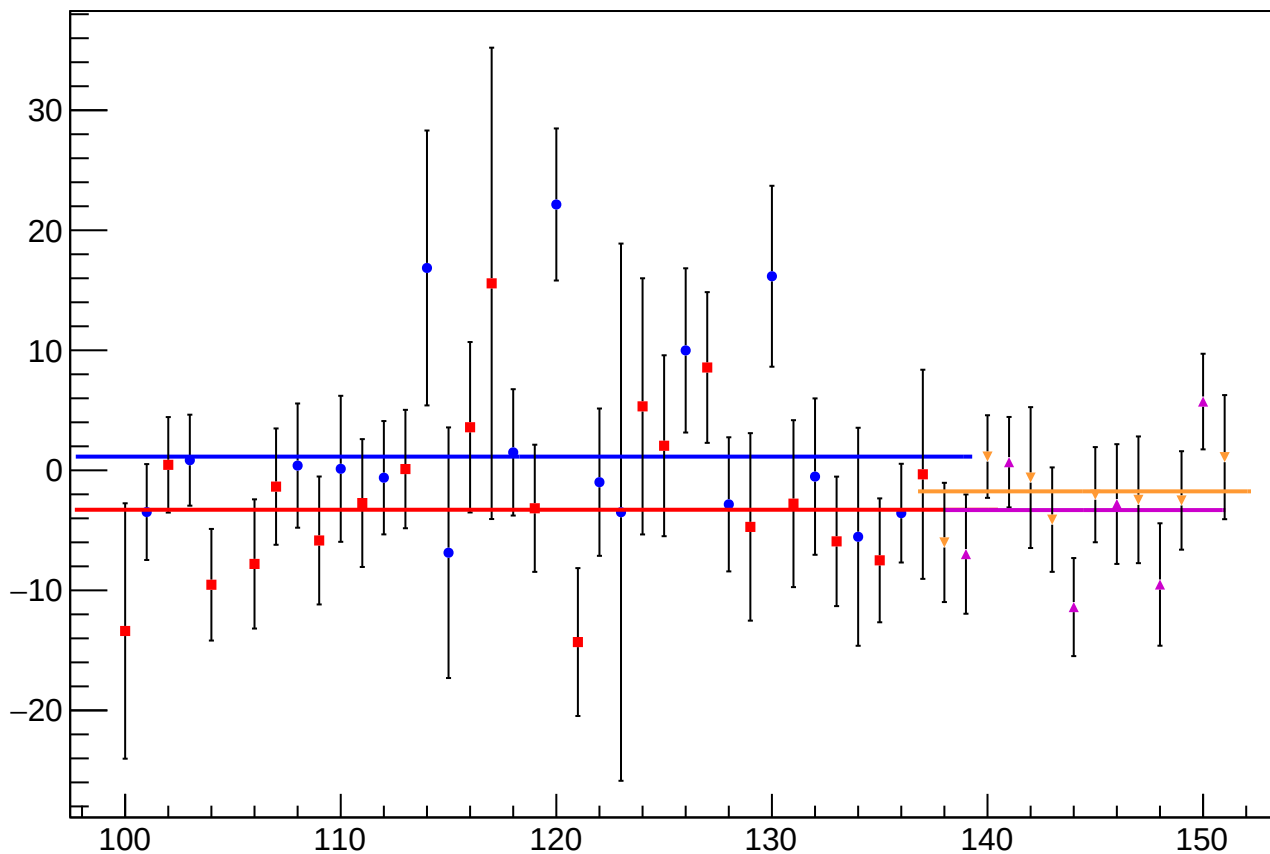
Right Out: 10939.227 ± 2.979 χ^2/NDF : 776055.3/19

Left In: 5771.553 ± 1.866 χ^2/NDF : 137408.0/5

6779.352 ± 1.450 χ^2/NDF : 2891500.2/24

7227.989 ± 1.581 χ^2/NDF : 3075150.2/25

diff_bpm16Y_mean vs Slug



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

Left Out: -1.752 ± 1.575 χ^2/NDF : 2.1/7

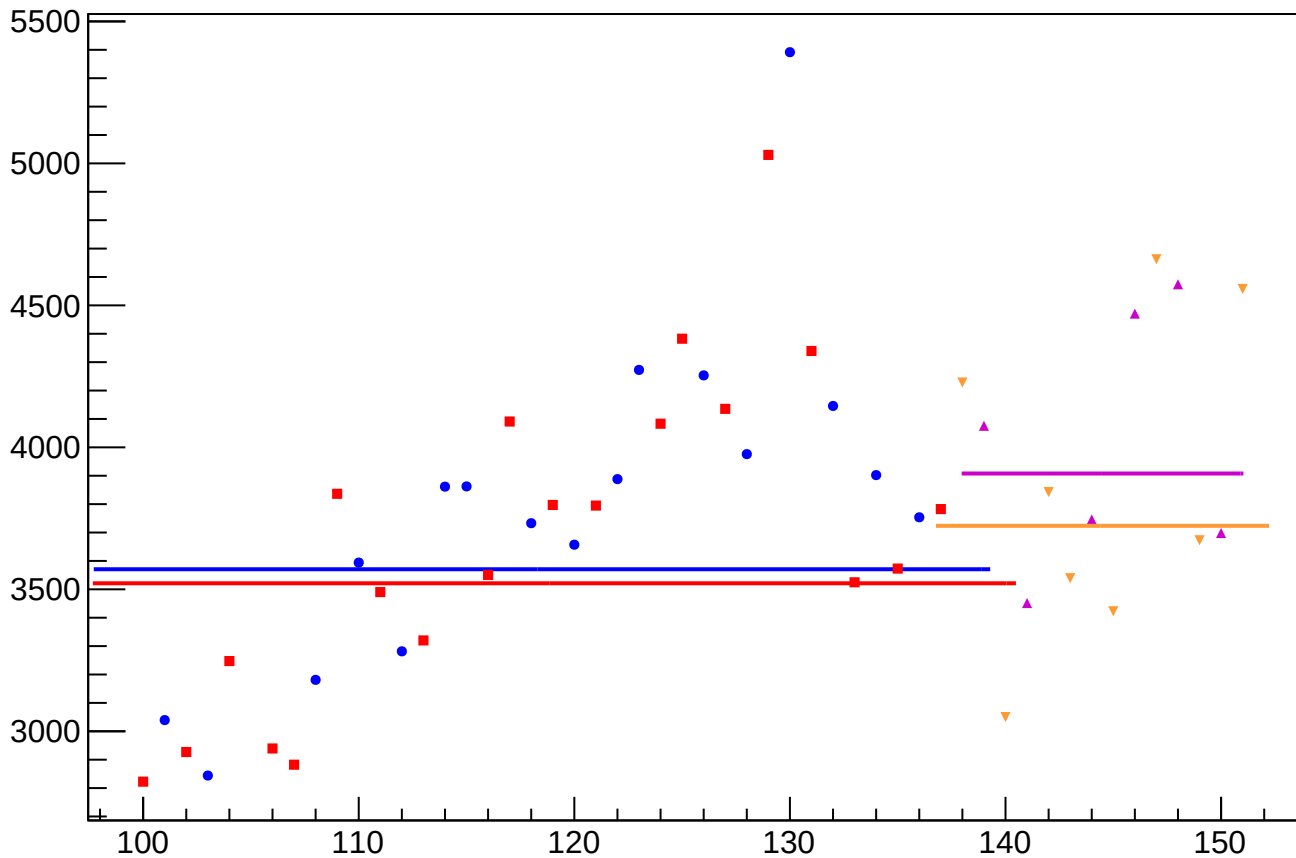
Right Out: -3.284 ± 1.330 χ^2/NDF : 16.0/19

Left In: -3.311 ± 1.789 χ^2/NDF : 12.2/5

-0.130 ± 1.044 χ^2/NDF : 27.3/24

-3.294 ± 1.067 χ^2/NDF : 28.2/25

diff_bpm16Y_rms vs Slug



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

Left Out: 3723.622+/-1.114 χ^2/NDF : 228827.8/7

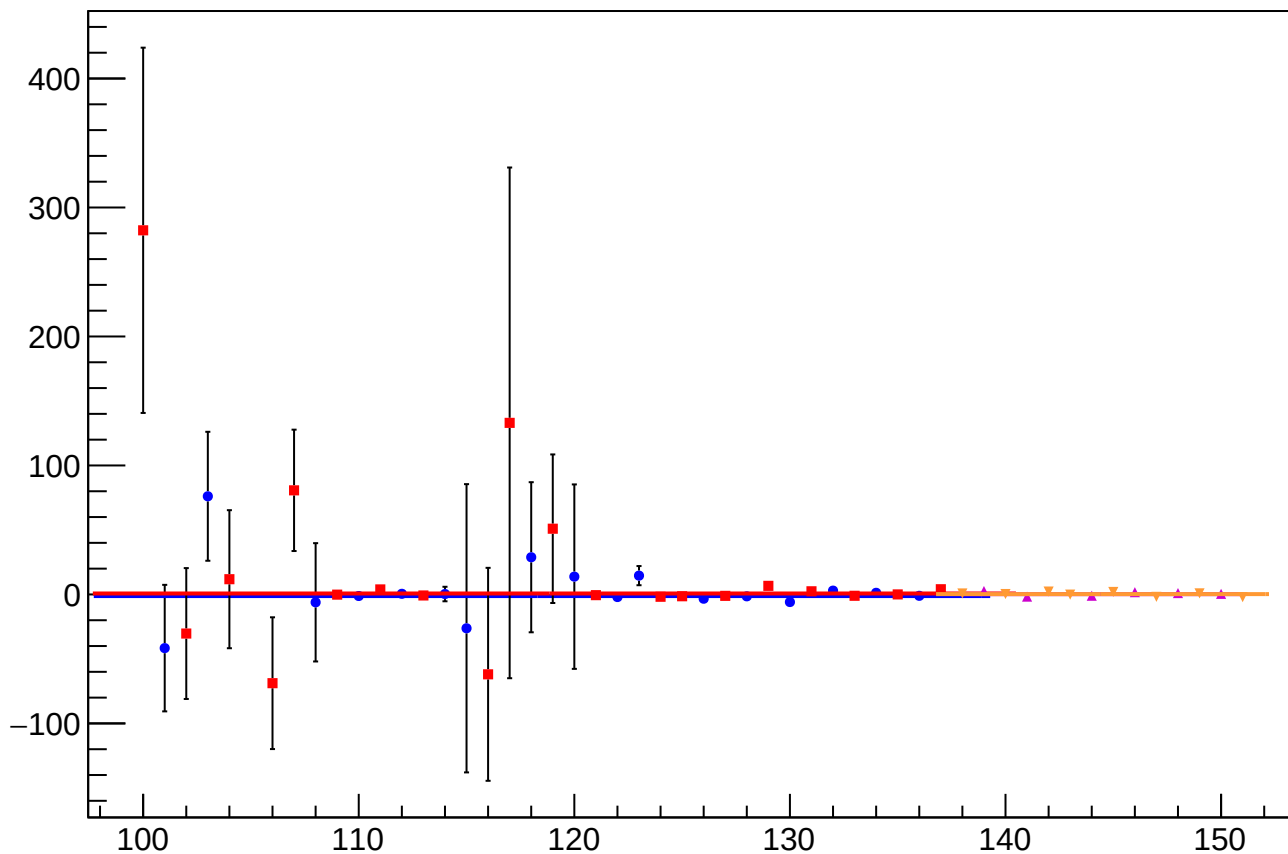
Right Out: 3521.247+/-0.941 χ^2/NDF : 294919.2/19

Left In: 3907.869+/-1.265 χ^2/NDF : 99934.1/5

3637.948+/-0.738 χ^2/NDF : 548960.0/24

3658.909+/-0.755 χ^2/NDF : 455021.7/25

diff_bpm1p02bX_mean vs Slug



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

Left Out: 0.251 ± 0.447 χ^2/NDF : 10.0/7

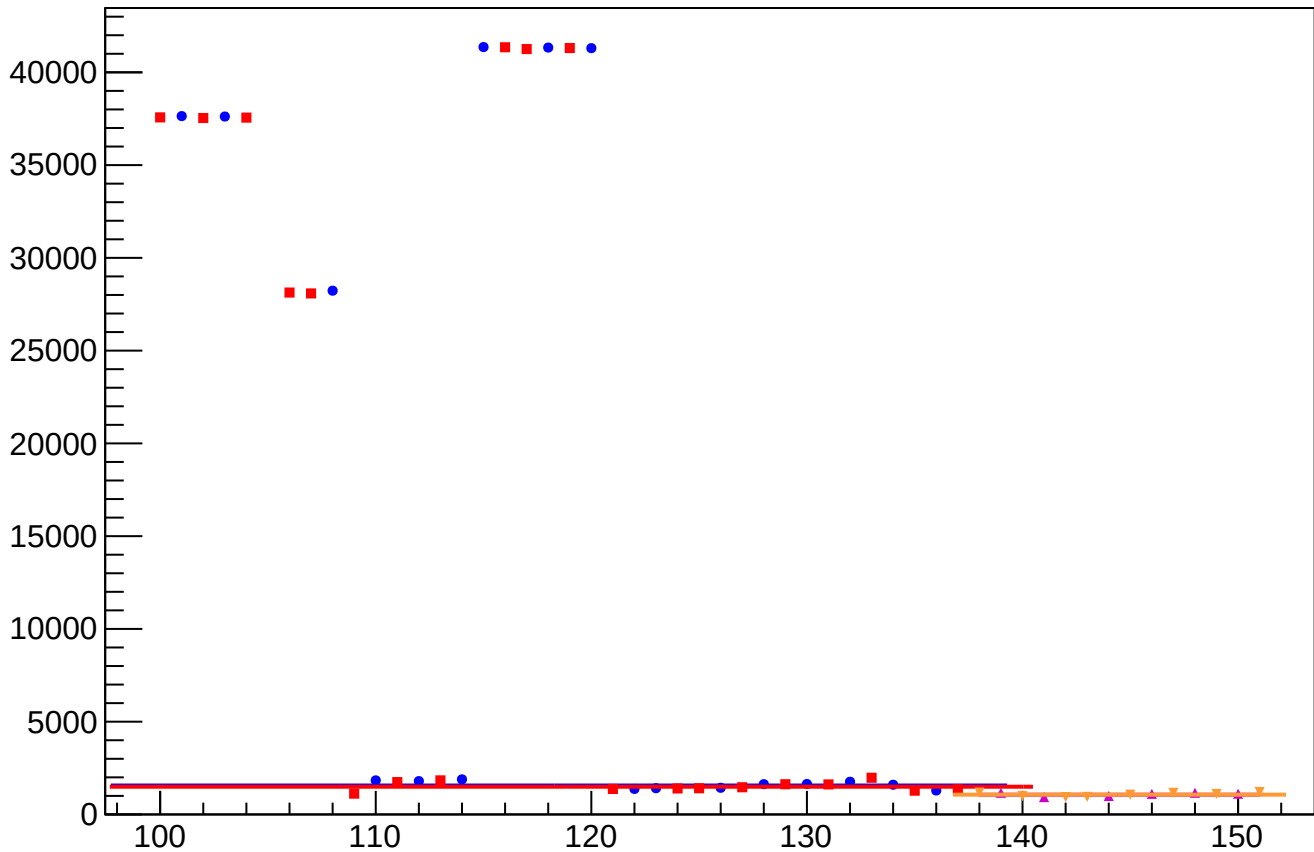
Right Out: 0.735 ± 0.710 χ^2/NDF : 22.5/19

Left In: 0.222 ± 0.485 χ^2/NDF : 9.7/5

-0.146 ± 0.384 χ^2/NDF : 29.3/24

0.385 ± 0.401 χ^2/NDF : 32.6/25

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1066.833+/-0.316 χ^2/NDF : 96913.9/7

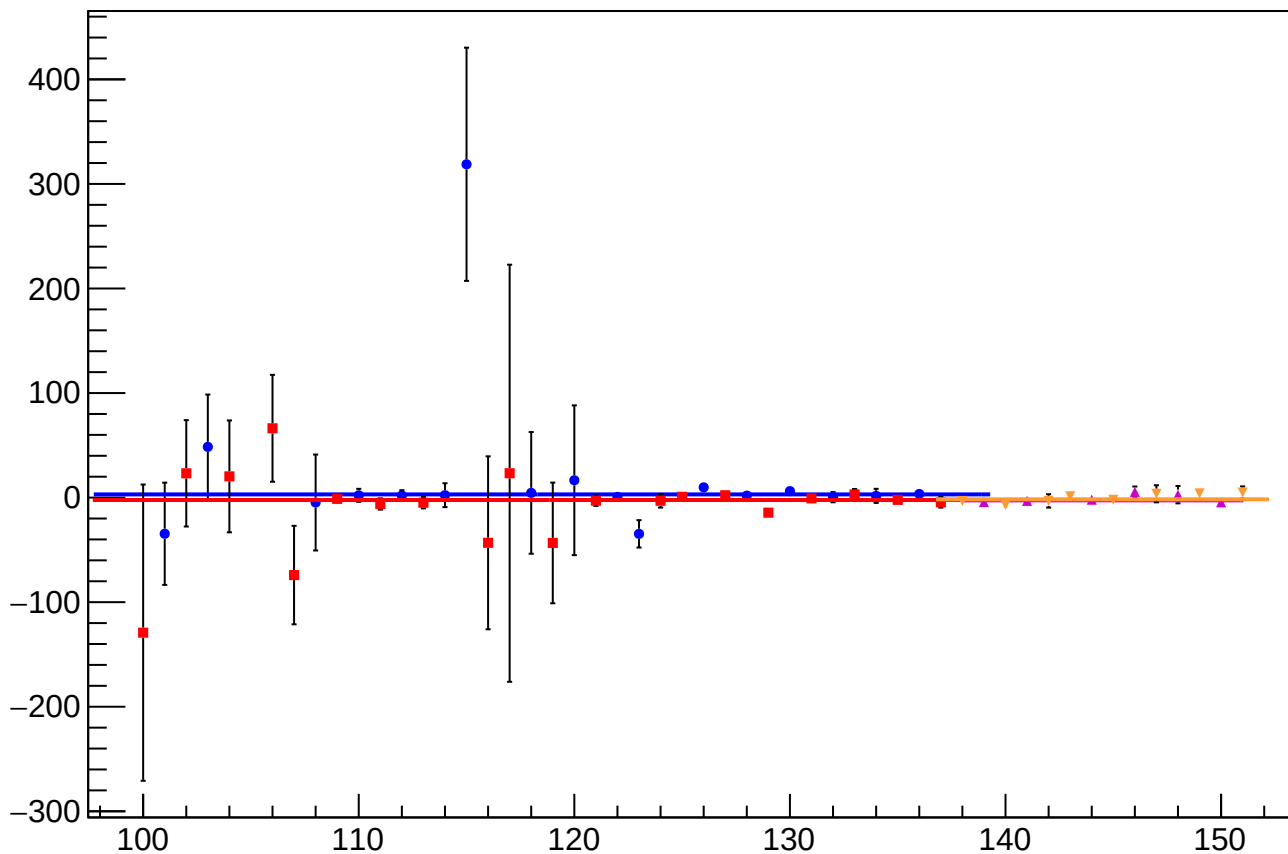
1196.260+/-0.271 χ^2/NDF : 5488956.8/24

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

1200.844+/-0.283 χ^2/NDF : 5547990.9/25

Left In: 1063.601+/-0.343 χ^2/NDF : 70968.8/5

diff_bpm1p02bY_mean vs Slug



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

Left Out: -1.639+/-1.411 χ^2/NDF : 6.1/7

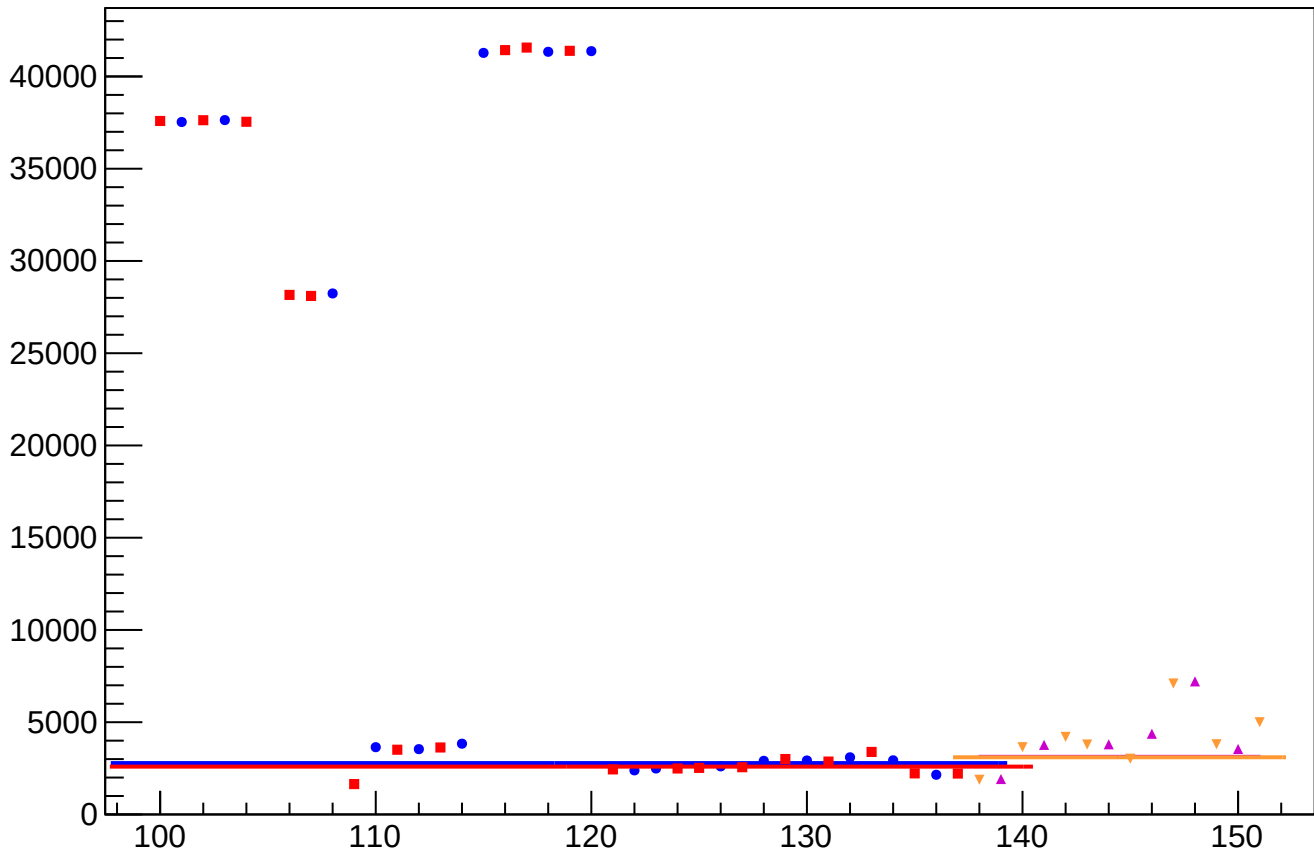
Right Out: -2.305+/-1.235 χ^2/NDF : 16.9/19

Left In: -2.636+/-1.548 χ^2/NDF : 3.7/5

0.870+/-0.965 χ^2/NDF : 33.9/24

-2.433+/-0.965 χ^2/NDF : 20.7/25

diff_bpm1p02bY_rms vs Slug



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

Left Out: 3099.624+/-0.998 χ^2/NDF : 1461876.7/7

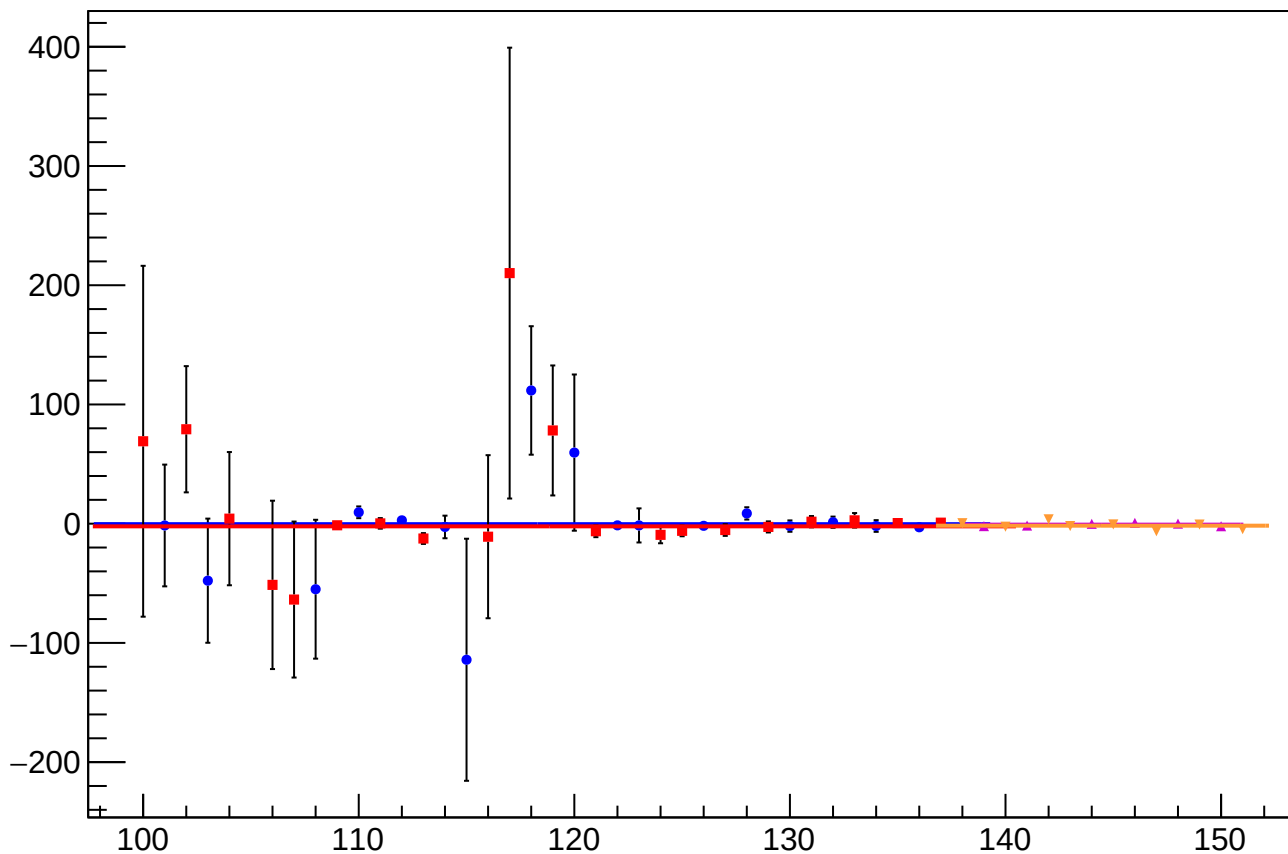
Right Out: 2592.654+/-0.873 χ^2/NDF : 4923077.9/19

Left In: 3123.220+/-1.095 χ^2/NDF : 1253521.2/5

2931.635+/-0.683 χ^2/NDF : 6092533.0/24

2798.851+/-0.683 χ^2/NDF : 6320169.9/25

diff_bpm1p03aX_mean vs Slug



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

Left Out: -1.674+/-0.678 χ^2 /NDF: 15.1/7

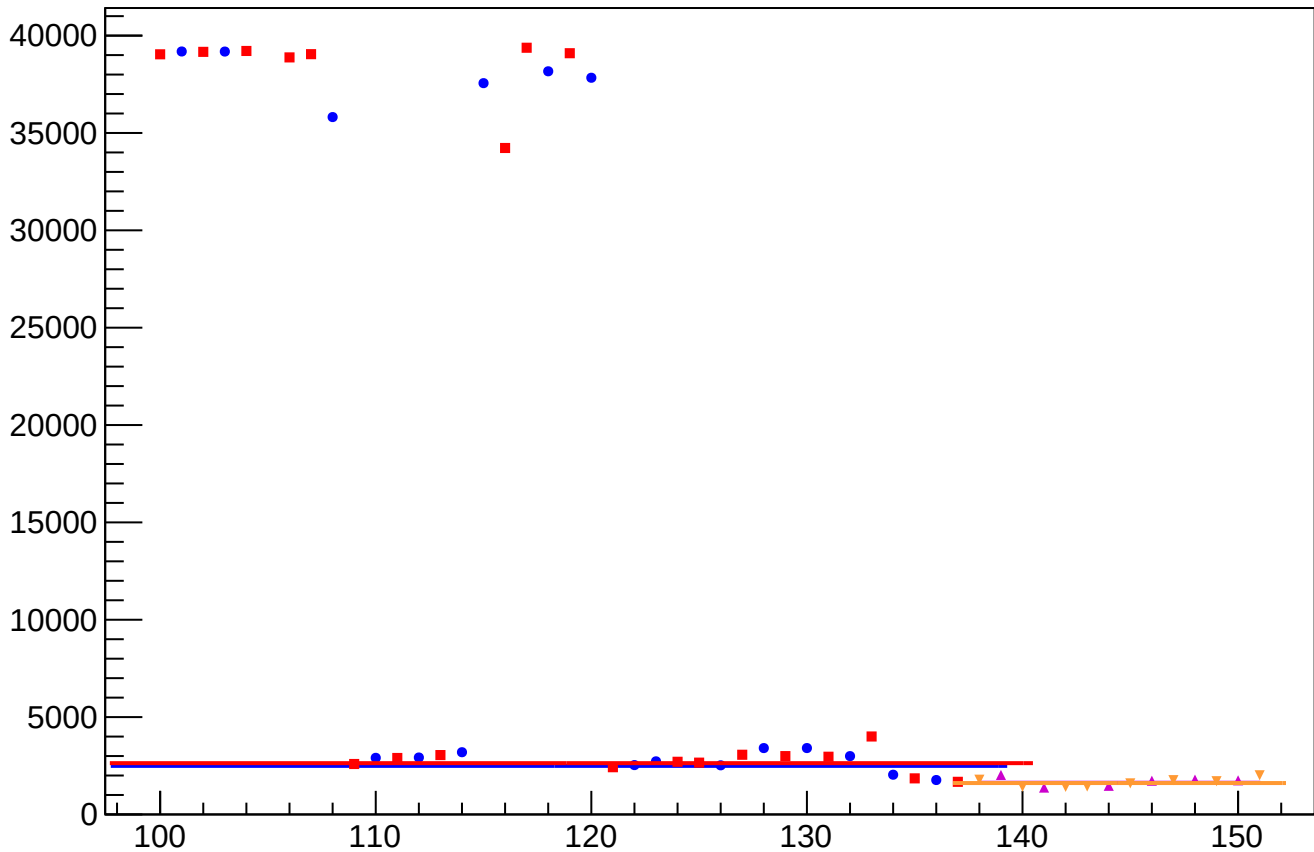
Right Out: -2.235+/-1.246 χ^2 /NDF: 18.7/19

Left In: -0.813+/-0.746 χ^2 /NDF: 2.0/5

-1.374+/-0.592 χ^2 /NDF: 34.2/24

-1.188+/-0.640 χ^2 /NDF: 21.7/25

diff_bpm1p03aX_rms vs Slug



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

Left Out: 1613.155+/-0.479 χ^2 /NDF:158504.1/7

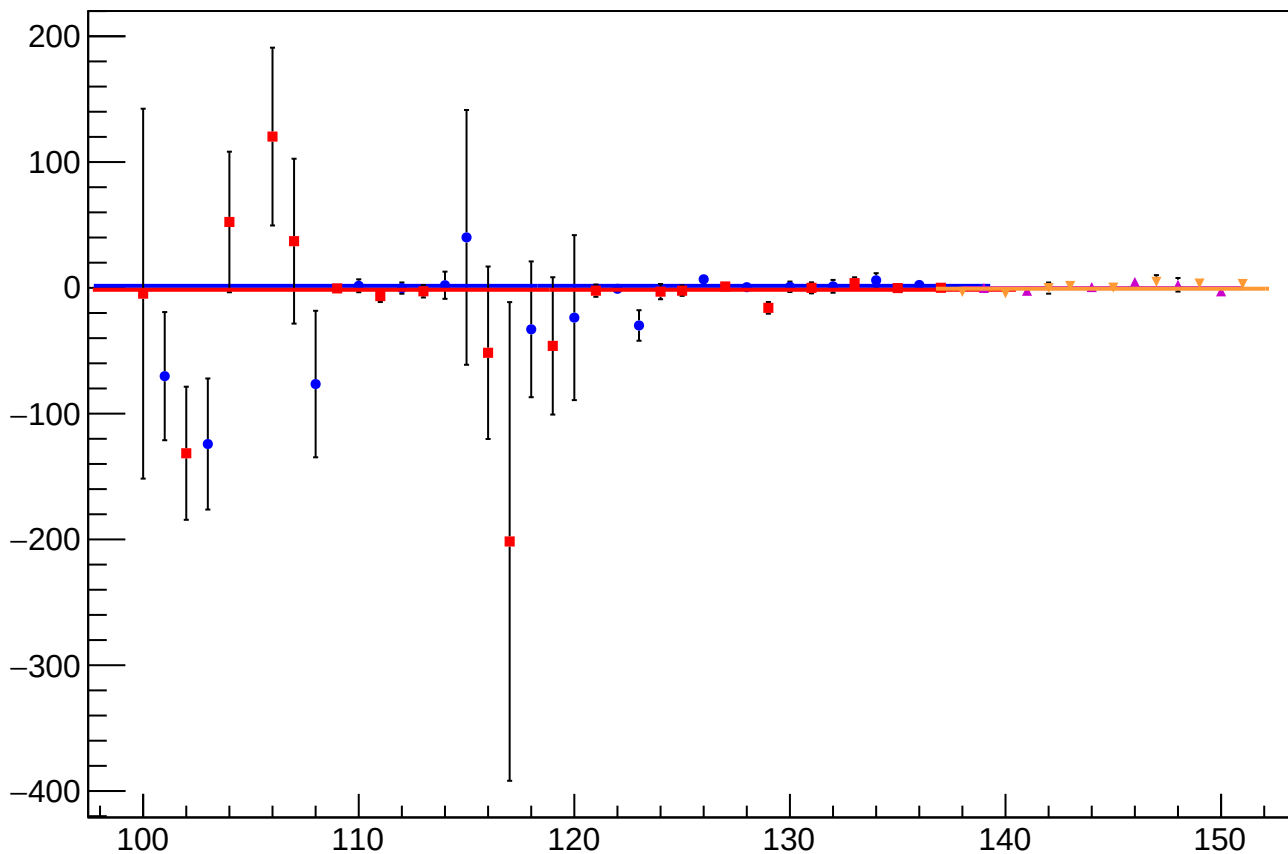
Right Out: 2634.840+/-0.881 χ^2 /NDF: 4936039.0/19

Left In: 1628.751+/-0.527 χ^2 /NDF:154782.1/5

1821.931+/-0.419 χ^2 /NDF: 5842507.0/24

1894.250+/-0.453 χ^2 /NDF: 6050843.5/25

diff_bpm1p03aY_mean vs Slug



Right In: 1.576 ± 1.143 χ^2/NDF : 20.3/16

Left Out: -0.671 ± 0.965 χ^2/NDF : 8.8/7

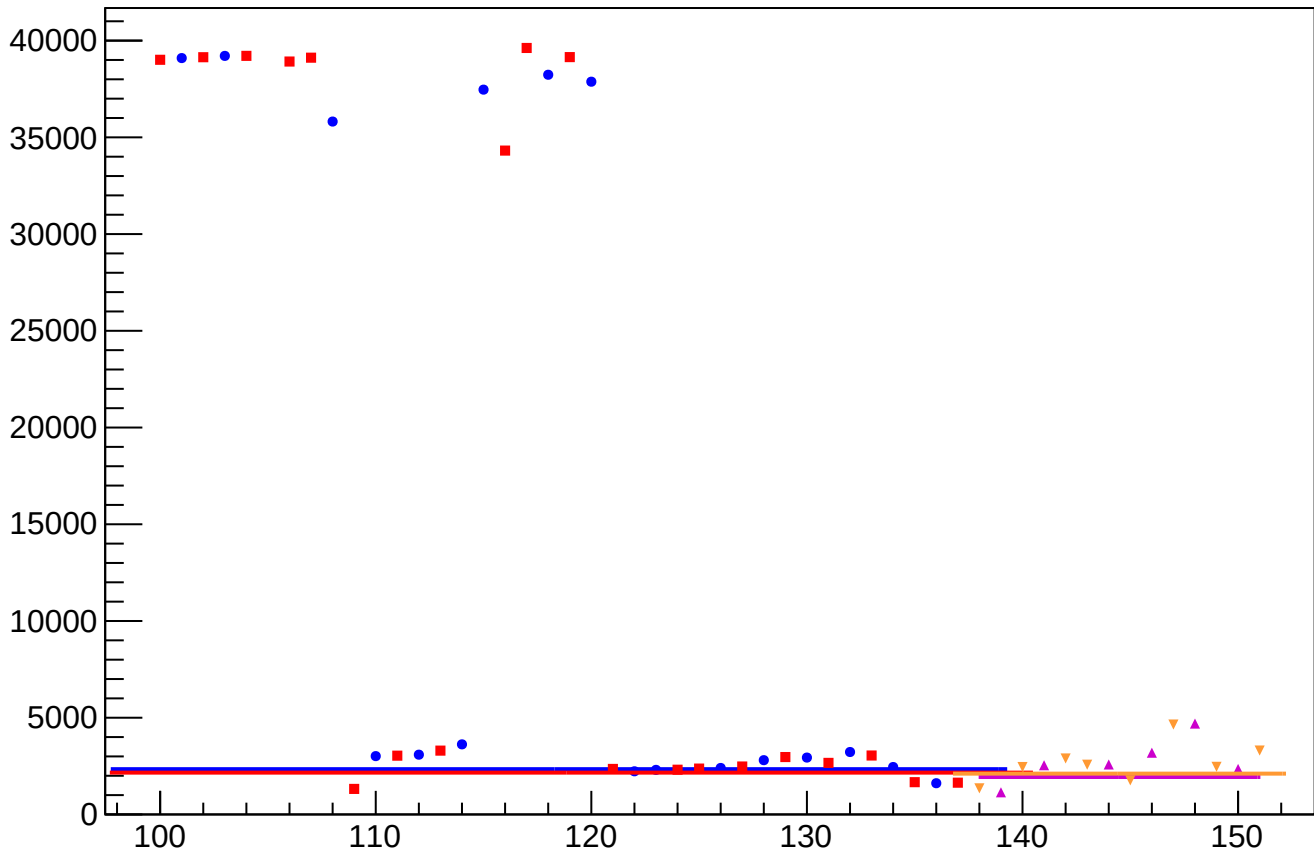
Right Out: -1.530 ± 1.062 χ^2/NDF : 26.1/19

Left In: -0.230 ± 0.983 χ^2/NDF : 3.7/5

0.264 ± 0.737 χ^2/NDF : 31.4/24

-0.830 ± 0.722 χ^2/NDF : 30.6/25

diff_bpm1p03aY_rms vs Slug



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

Left Out: 2162.329+/-0.751 χ^2 /NDF: 1254502.6/7

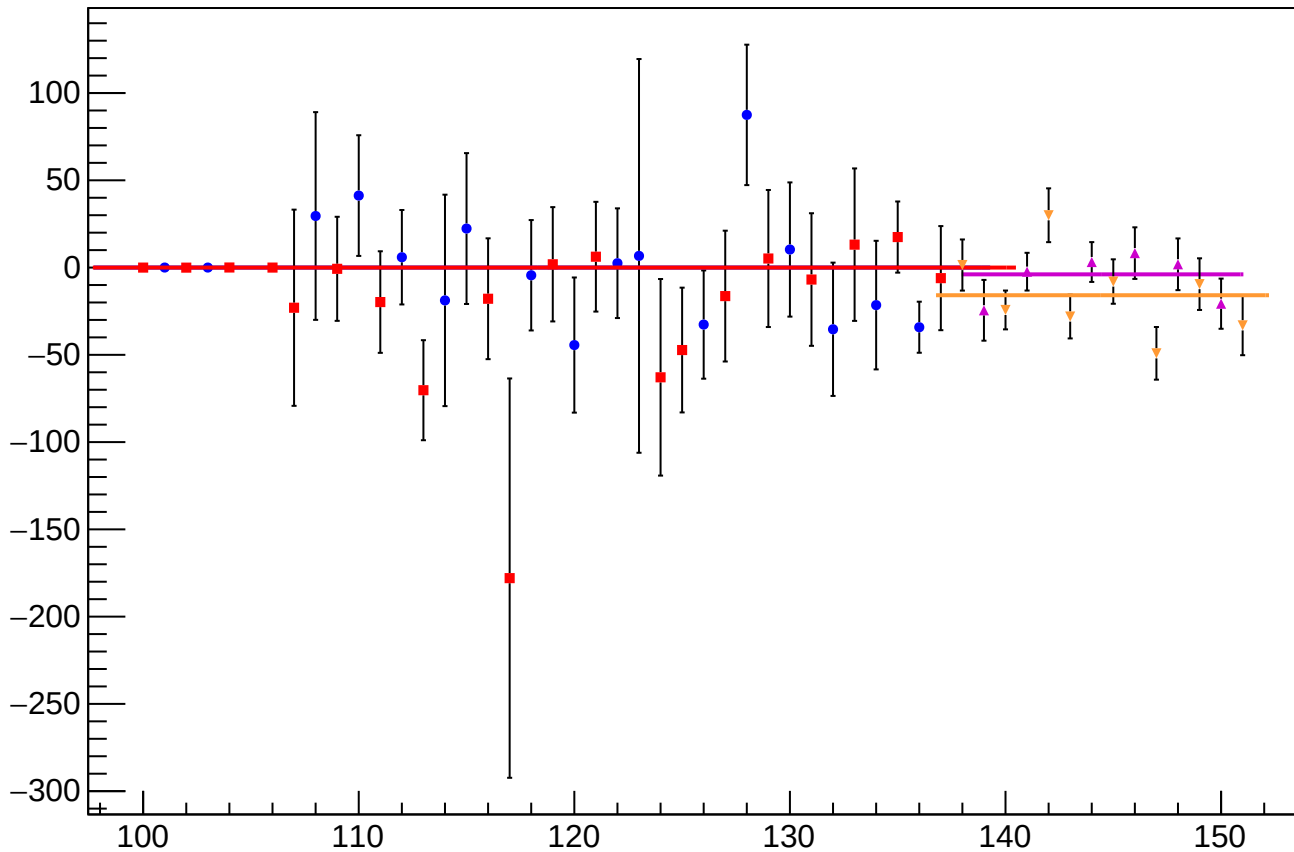
Right Out: 2162.329+/-0.751 χ^2 /NDF: 5376569.5/19

Left In: 1937.100+/-0.695 χ^2 /NDF: 1659896.6/5

2206.103+/-0.521 χ^2 /NDF: 6309172.5/24

2041.067+/-0.510 χ^2 /NDF: 7084886.1/25

diff_cav4bX_mean vs Slug



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

Left Out: -15.849 ± 4.889 χ^2/NDF : 18.2/7

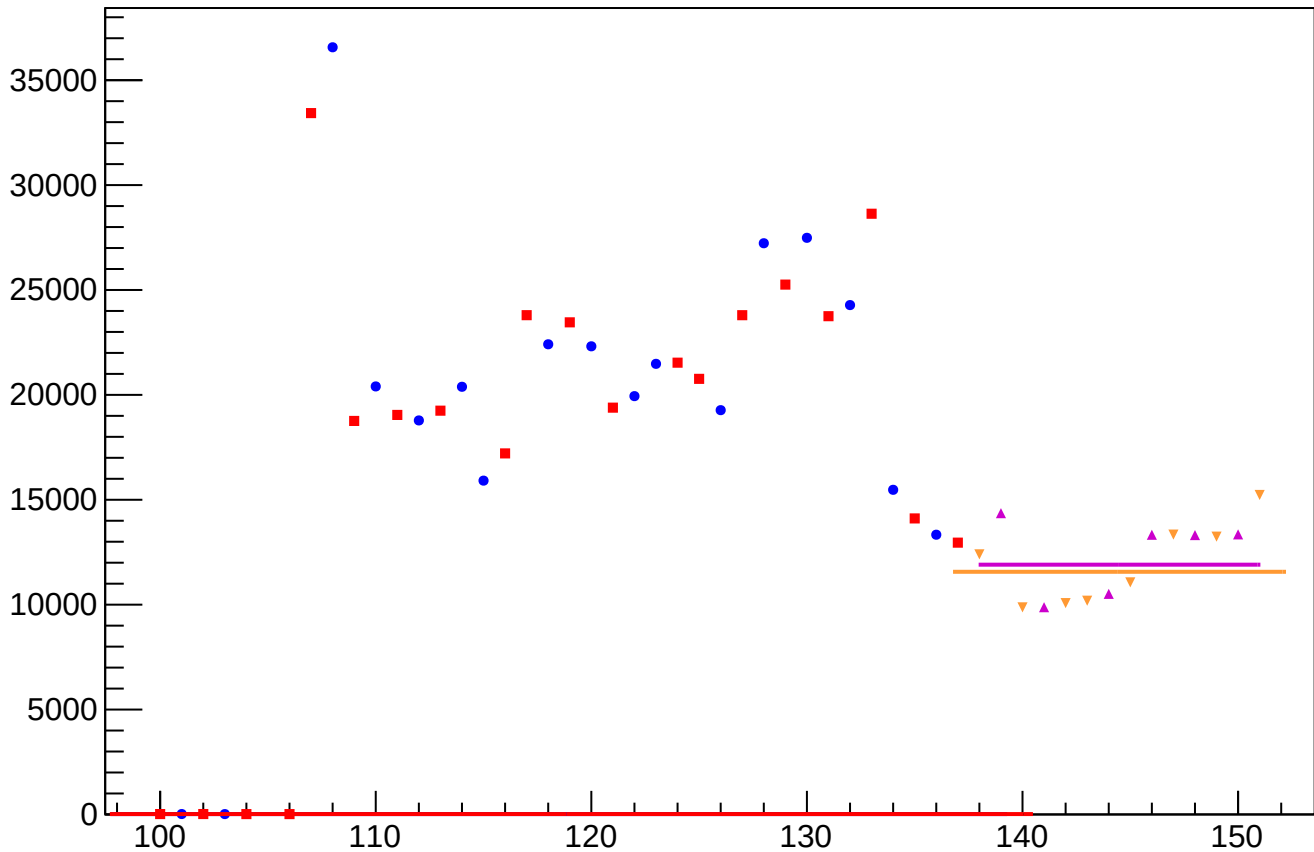
Right Out: 0.003 ± 0.016 χ^2/NDF : 18.3/19

Left In: -3.884 ± 5.462 χ^2/NDF : 4.0/5

0.013 ± 0.017 χ^2/NDF : 44.9/24

0.003 ± 0.016 χ^2/NDF : 22.8/25

diff_cav4bX_rms vs Slug



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

Left Out: 11567.198+/-3.457 χ^2 /NDF: 243866.6/7

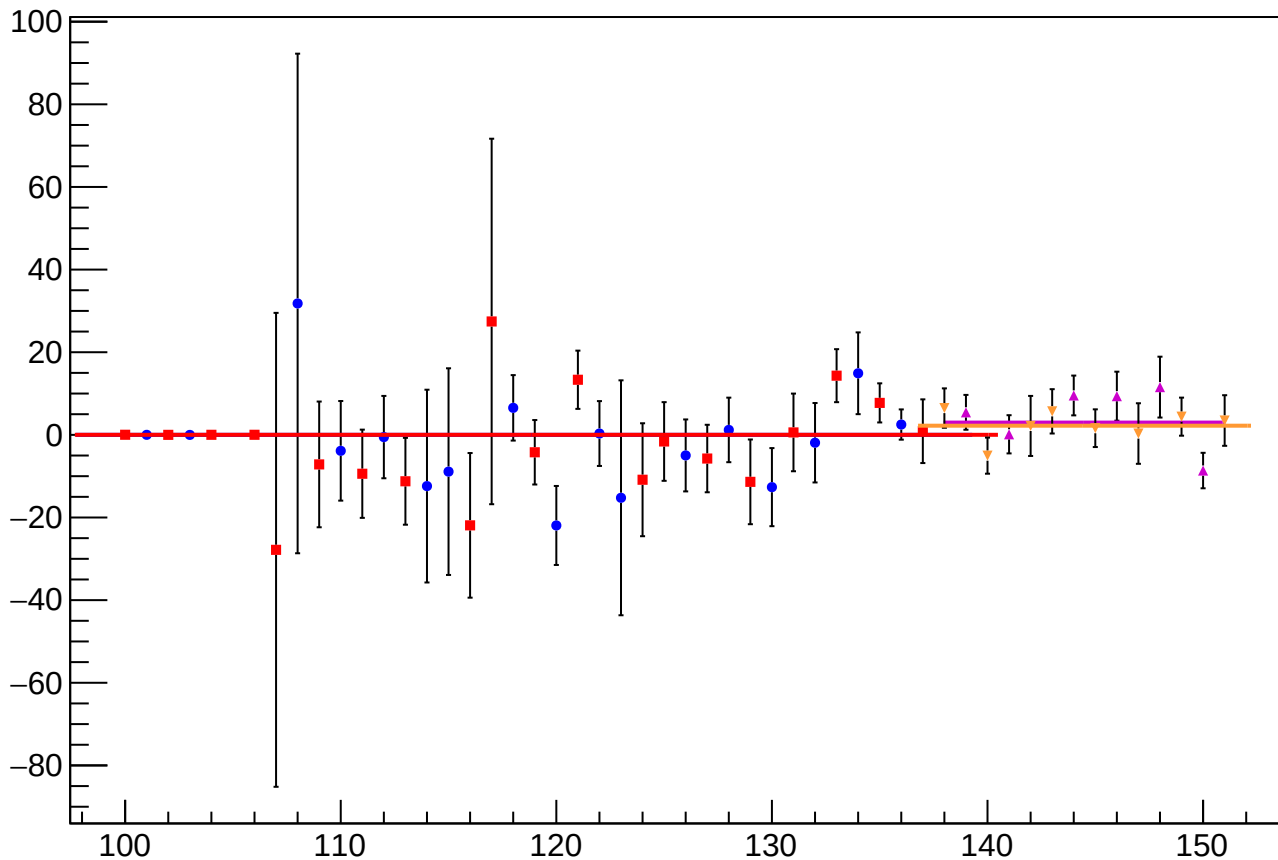
Right Out: 18.312+/-0.011 χ^2 /NDF: 11197081.8/19

Left In: 11906.117+/-3.862 χ^2 /NDF: 196808.4/5

18.787+/-0.012 χ^2 /NDF: 22388551.0/24

18.415+/-0.011 χ^2 /NDF: 20868214.8/25

diff_cav4bY_mean vs Slug



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

Left Out: 2.220 $\pm$ 1.855 χ^2 /NDF:4.3/7

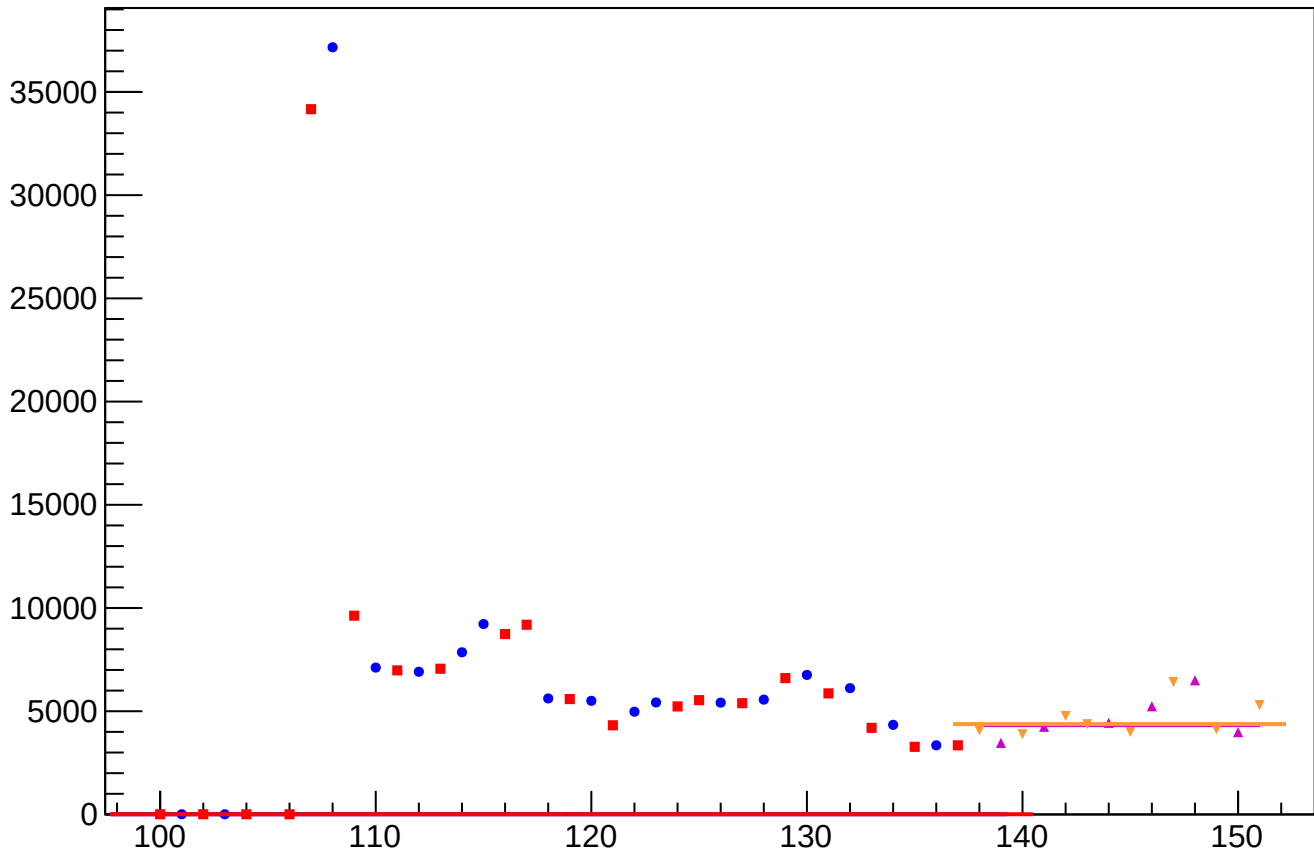
Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 19.0/19

Left In: 2.973 $\pm$ 2.011 χ^2 /NDF:12.4/5

0.001 $\pm$ 0.009 χ^2 /NDF: 18.8/24

0.014 $\pm$ 0.009 χ^2 /NDF: 33.5/25

diff_cav4bY_rms vs Slug



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

Left Out: 4377.704+/-1.312 χ^2/NDF :258937.3/7

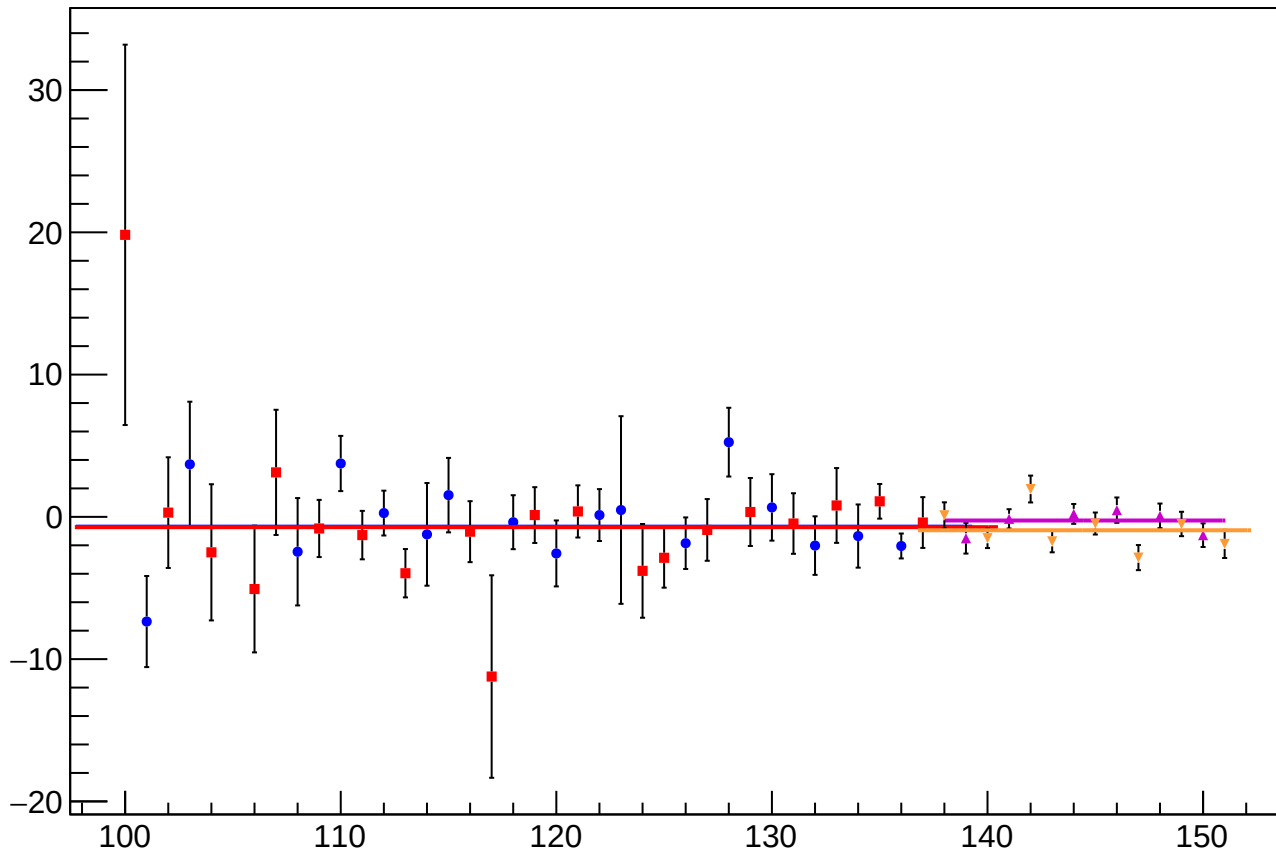
Right Out: 9.855+/-0.006 χ^2/NDF : 11246160.9/19

Left In: 4327.650+/-1.422 χ^2/NDF :318635.5/5

10.046+/-0.007 χ^2/NDF : 22457636.7/24

9.935+/-0.006 χ^2/NDF : 20787325.3/25

diff_cav4cX_mean vs Slug



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

Left Out: -0.942 ± 0.296 $\chi^2/\text{NDF}: 18.7/7$

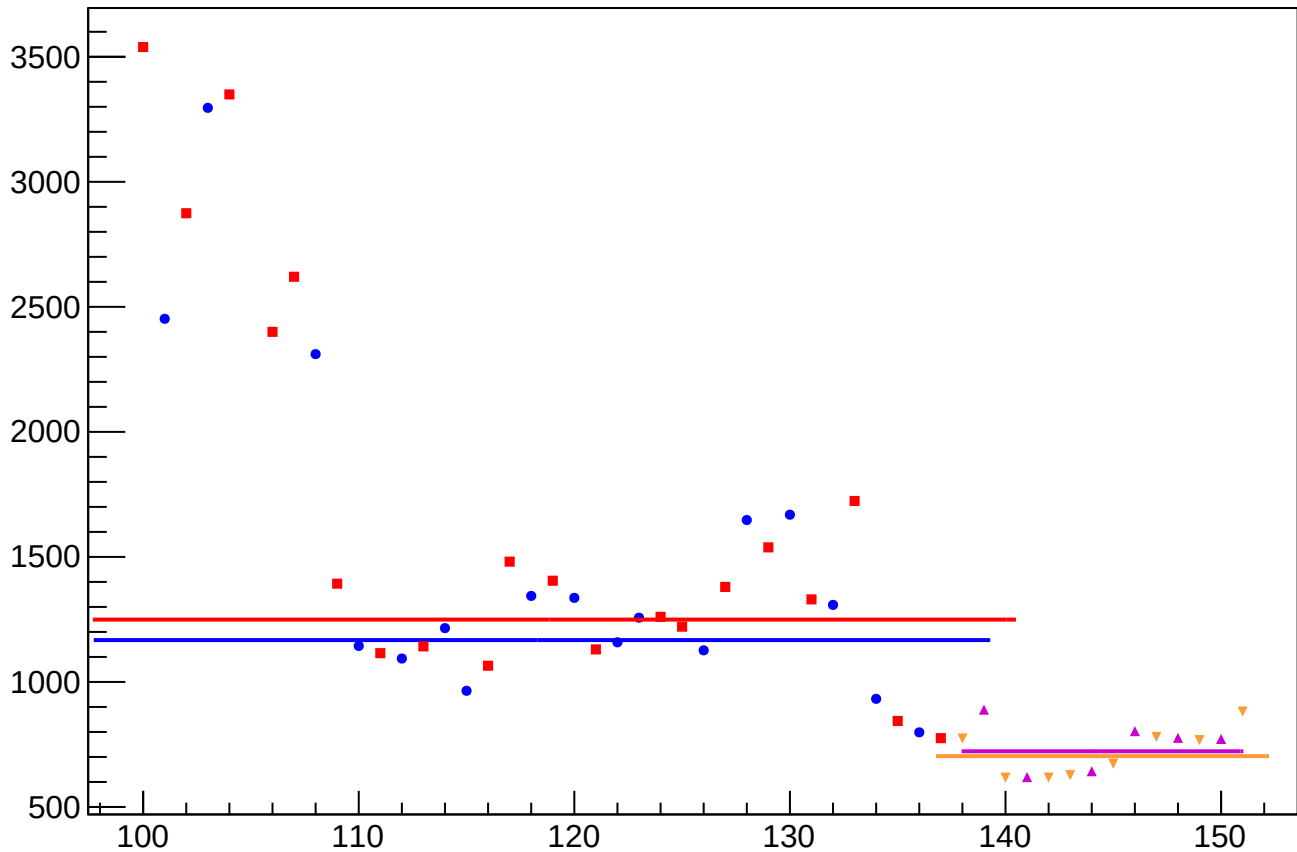
Right Out: -0.724 ± 0.499 $\chi^2/\text{NDF}: 15.5/19$

Left In: -0.256 ± 0.331 $\chi^2/\text{NDF}: 4.2/5$

-0.872 ± 0.252 $\chi^2/\text{NDF}: 41.4/24$

-0.399 ± 0.276 $\chi^2/\text{NDF}: 20.3/25$

diff_cav4cX_rms vs Slug



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

Left Out: 703.241 $\pm$ 0.209 χ^2 /NDF: 172614.8/7

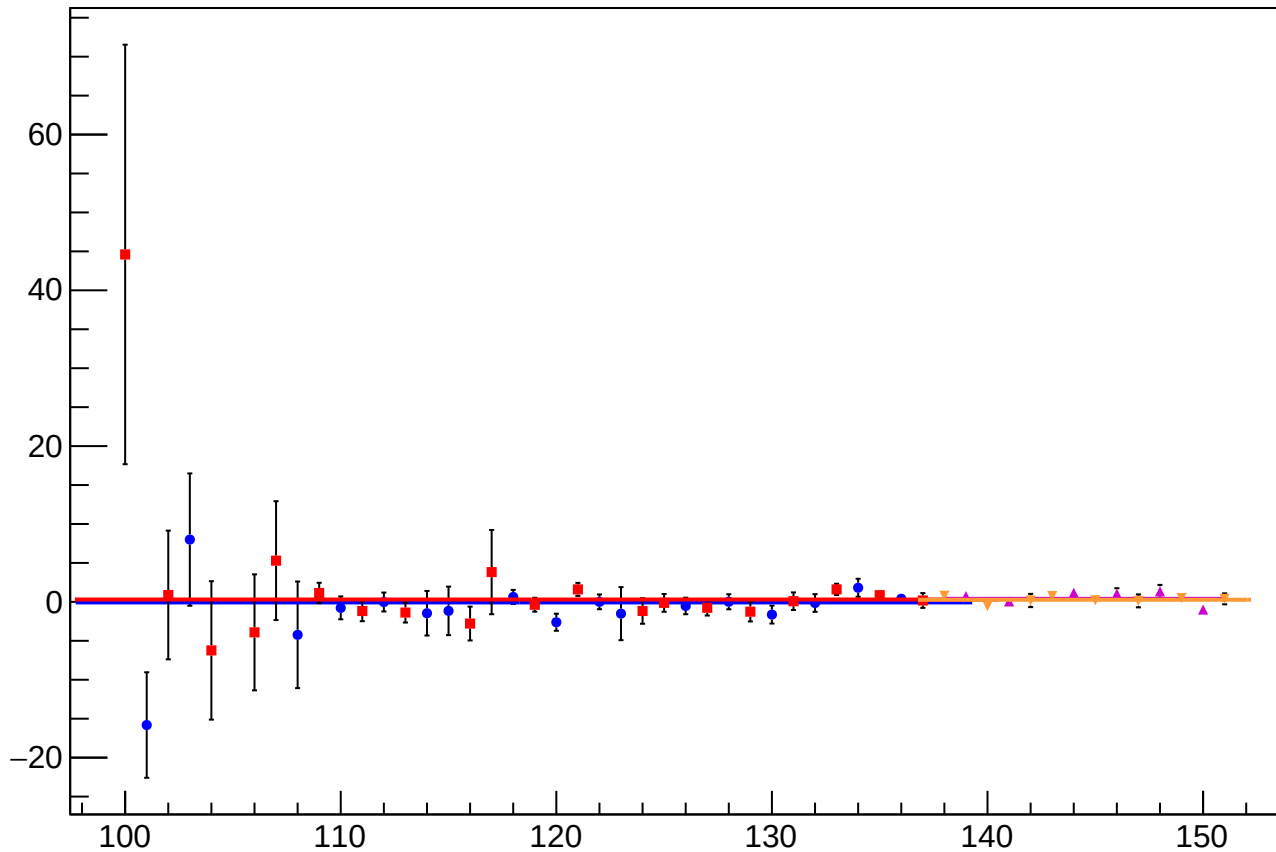
Right Out: 1249.388 $\pm$ 0.353 χ^2 /NDF: 1656159.5/19

Left In: 722.664 $\pm$ 0.234 χ^2 /NDF: 151653.7/5

830.312 $\pm$ 0.178 χ^2 /NDF: 3096331.3/24

883.145 $\pm$ 0.195 χ^2 /NDF: 3354522.8/25

diff_cav4cY_mean vs Slug



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

Left Out: 0.269 ± 0.218 χ^2/NDF : 4.2/7

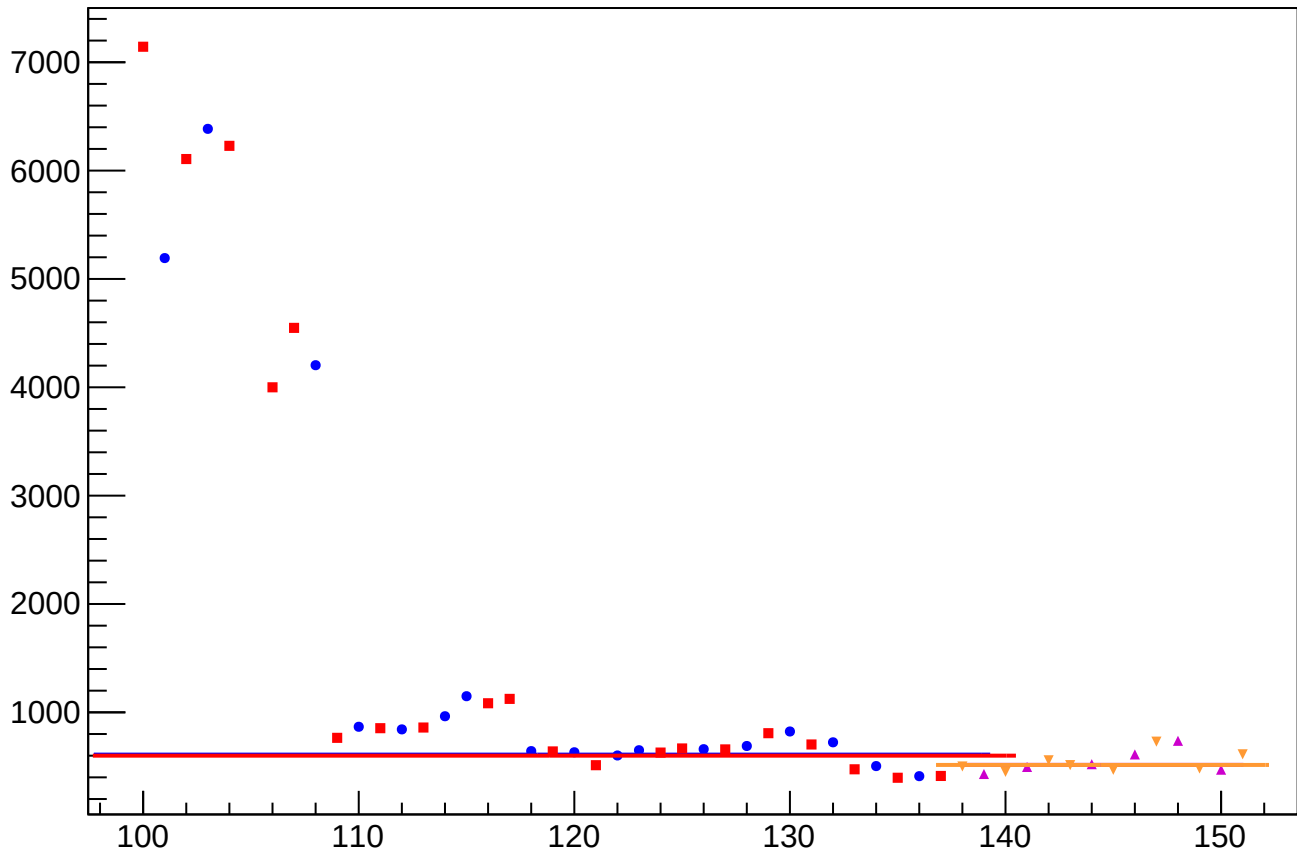
Right Out: 0.303 ± 0.264 χ^2/NDF : 20.7/19

Left In: 0.389 ± 0.238 χ^2/NDF : 12.4/5

0.134 ± 0.169 χ^2/NDF : 24.4/24

0.350 ± 0.177 χ^2/NDF : 33.1/25

diff_cav4cY_rms vs Slug



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

Left Out: 514.598 $\pm$ 0.154 χ^2 /NDF: 232043.6/7

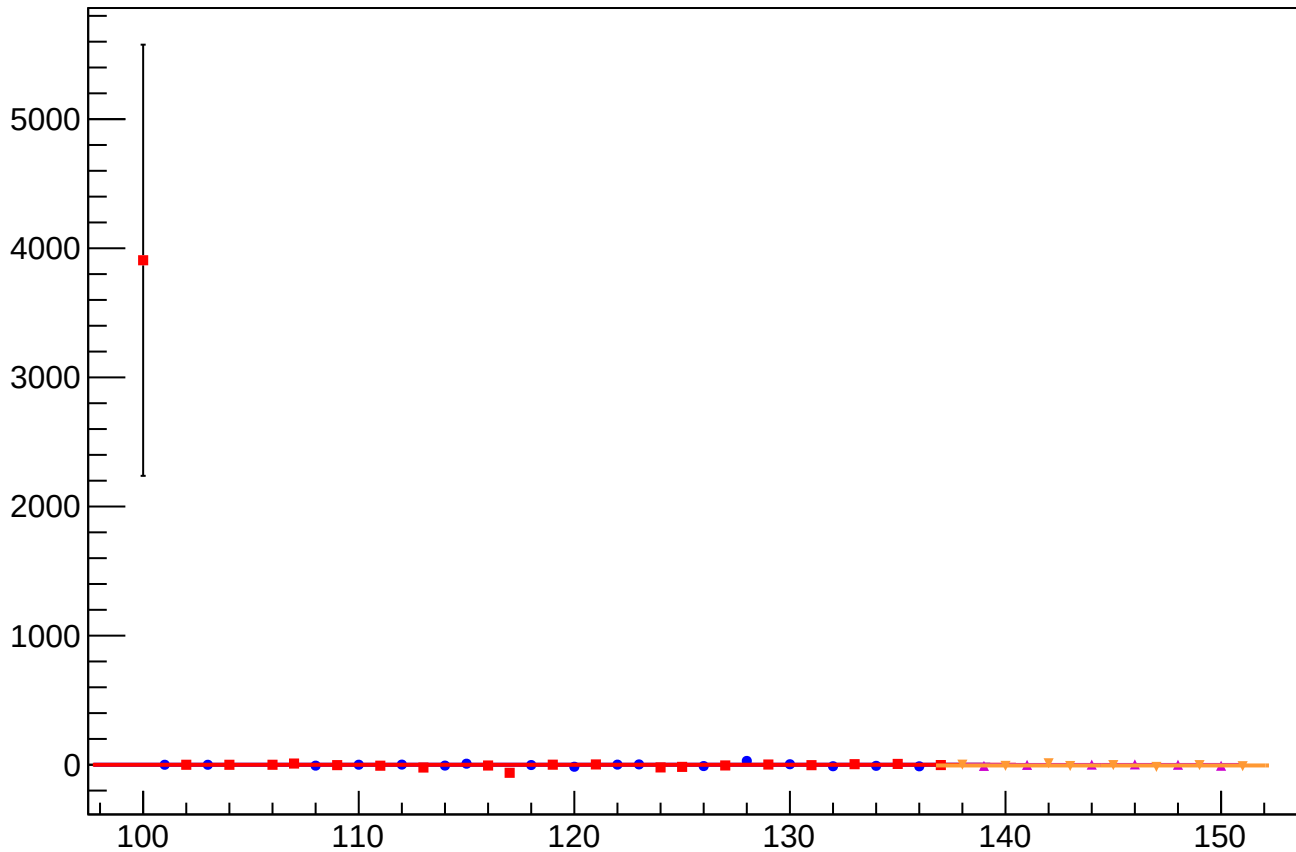
552.311 $\pm$ 0.120 χ^2 /NDF: 3519680.4/24

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

553.390 $\pm$ 0.125 χ^2 /NDF: 3936678.1/25

Left In: 515.084 $\pm$ 0.168 χ^2 /NDF: 250559.3/5

diff_cav4dX_mean vs Slug



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

Left Out: -5.429+/-1.718 χ^2/NDF : 18.9/7

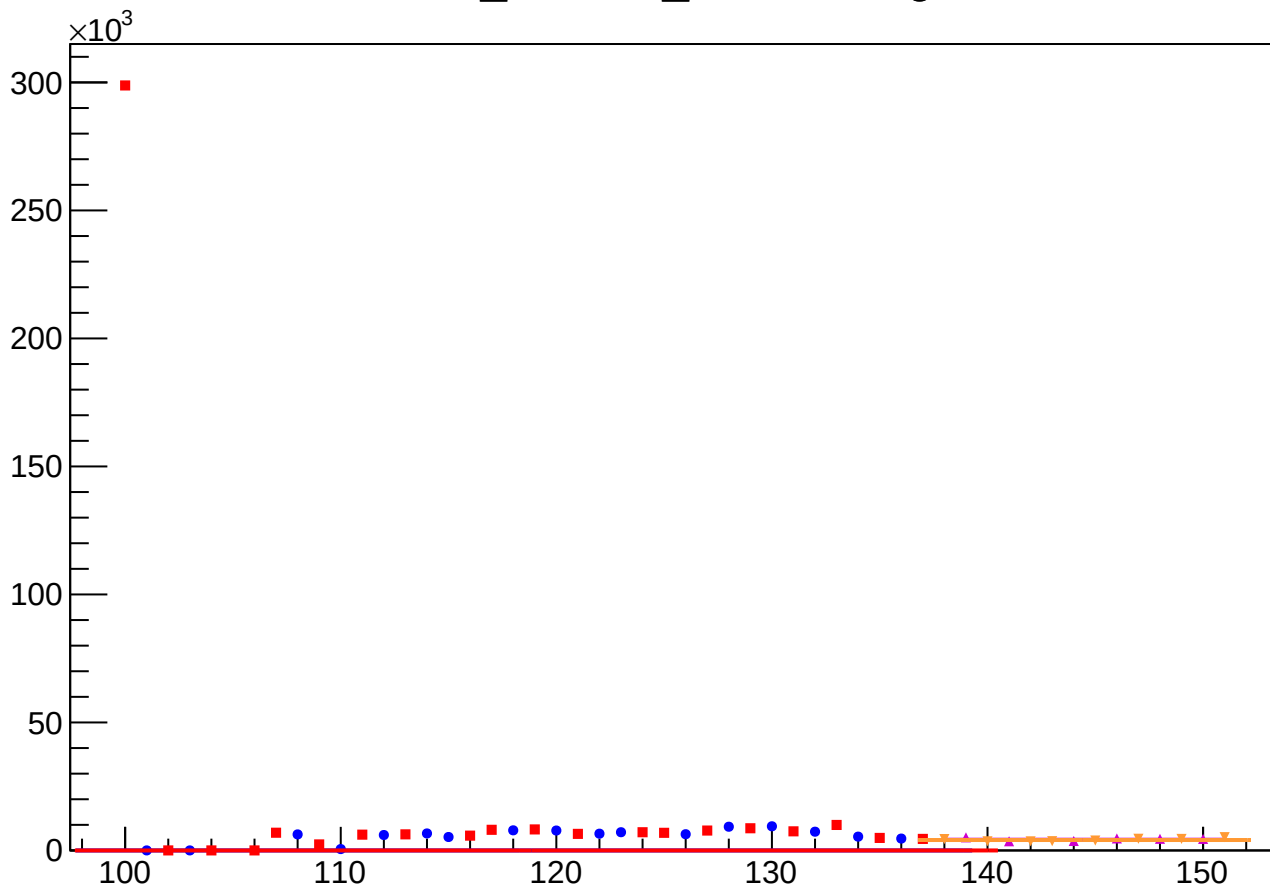
Right Out: -0.027+/-0.020 χ^2/NDF : 20.5/19

Left In: -1.473+/-1.921 χ^2/NDF : 4.2/5

-0.022+/-0.021 χ^2/NDF : 44.4/24

-0.027+/-0.020 χ^2/NDF : 25.2/25

diff_cav4dX_rms vs Slug



Right In: 17.341+/-0.015 χ^2 /NDF: 10501445.0/16

Left Out: 4077.281+/-1.215 χ^2 /NDF:190023.4/7

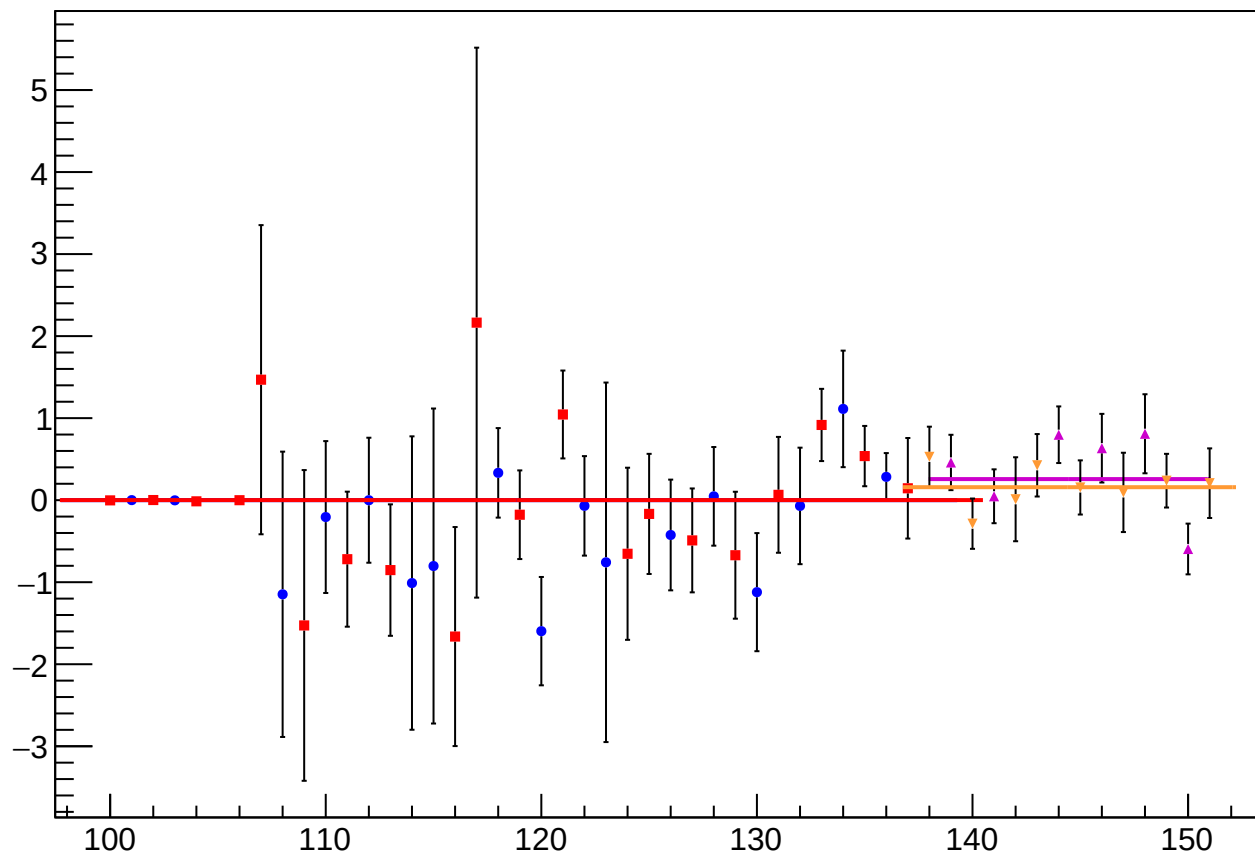
Right Out: 17.271+/-0.014 χ^2 /NDF: 10906837.9/19

Left In: 4198.116+/-1.359 χ^2 /NDF:158303.7/5

17.935+/-0.015 χ^2 /NDF: 21853927.4/24

17.714+/-0.014 χ^2 /NDF: 20534788.8/25

diff_cav4dY_mean vs Slug



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

Left Out: 0.158 ± 0.132 χ^2/NDF : 3.8/7

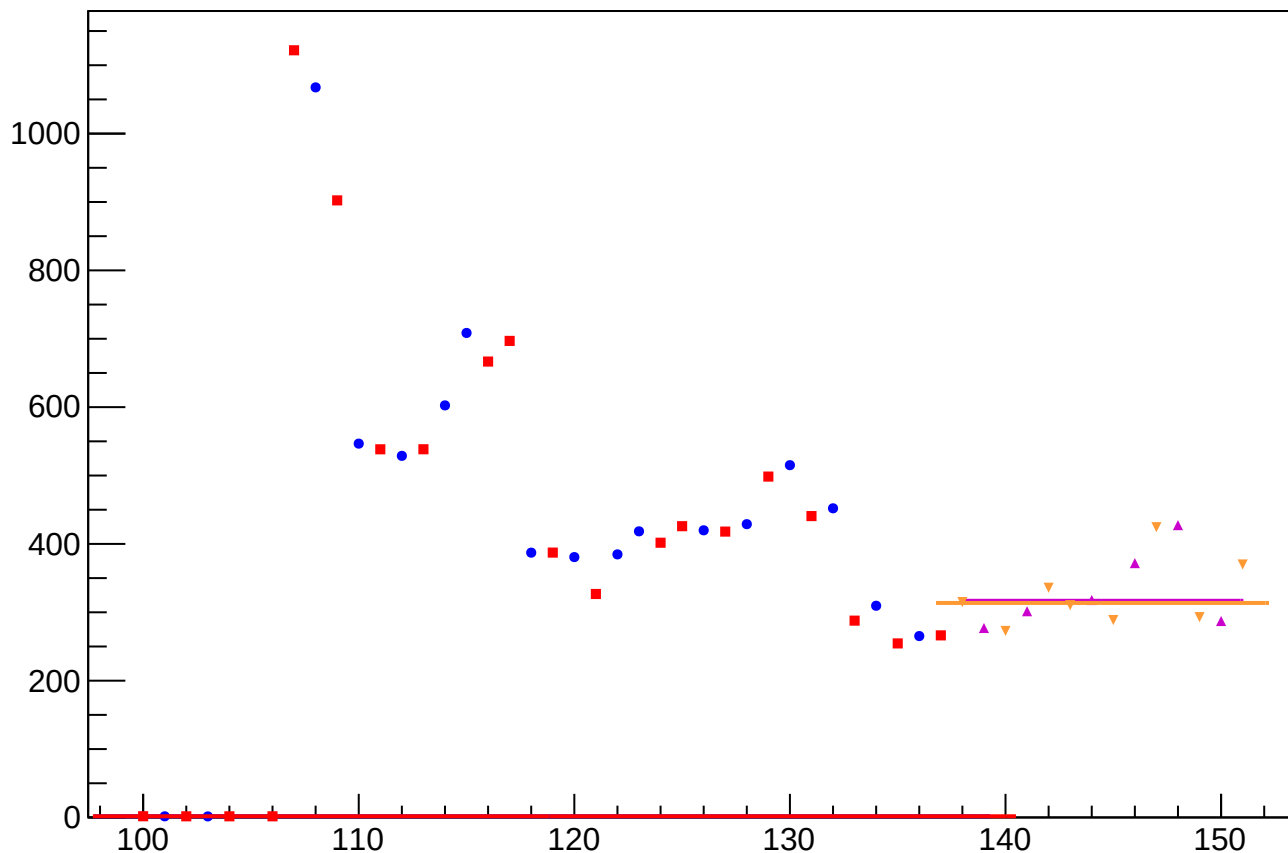
Right Out: 0.001 ± 0.002 χ^2/NDF : 18.3/19

Left In: 0.257 ± 0.146 χ^2/NDF : 12.9/5

0.000 ± 0.002 χ^2/NDF : 19.0/24

0.001 ± 0.002 χ^2/NDF : 34.3/25

diff_cav4dY_rms vs Slug



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

Left Out: 313.679+/-0.094 χ^2/NDF :199281.4/7

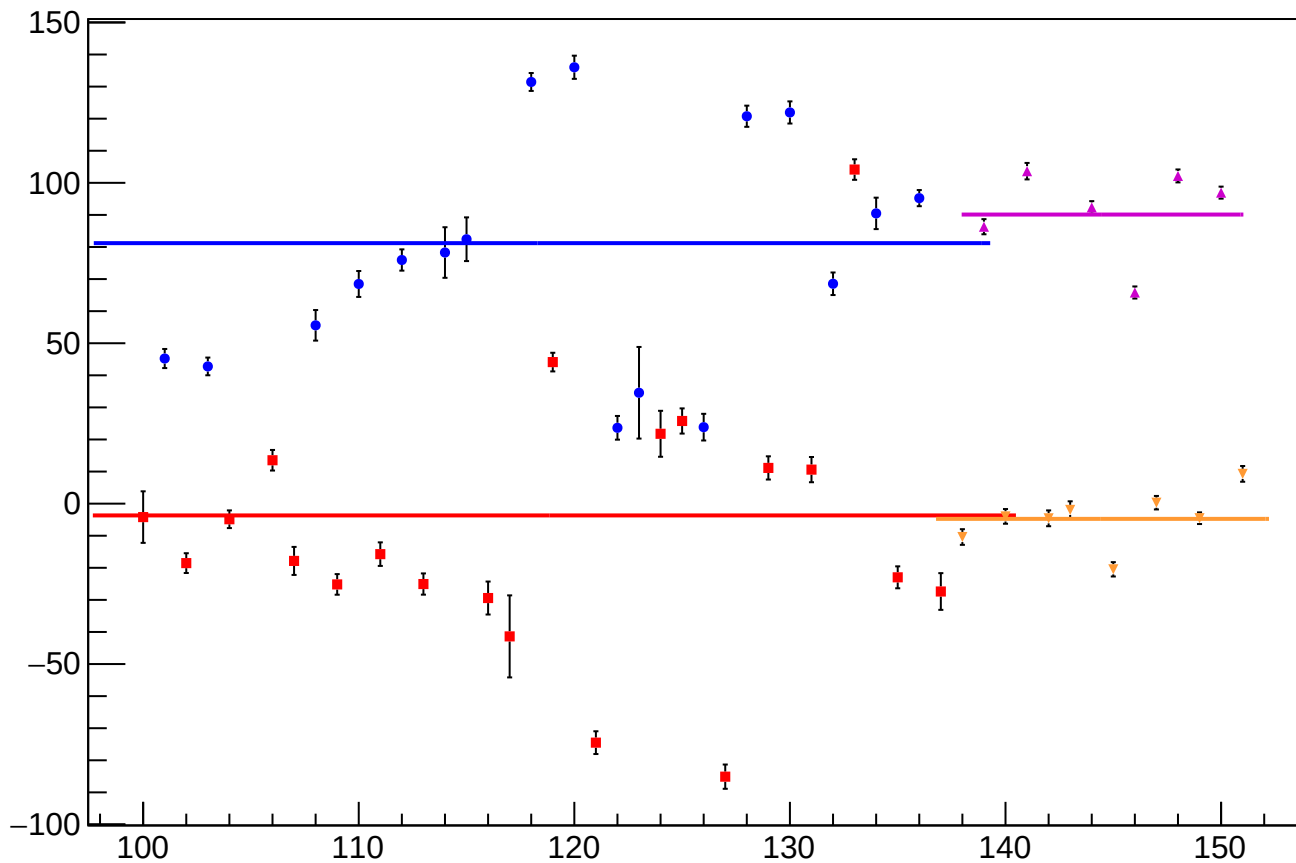
Right Out: 1.729+/-0.001 χ^2/NDF : 10829914.3/19

Left In: 316.838+/-0.103 χ^2/NDF :190472.1/5

1.772+/-0.001 χ^2/NDF : 22362162.7/24

1.784+/-0.001 χ^2/NDF : 20338710.7/25

diff_bpm0i01X_mean vs Slug



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

Left Out: -4.745 $\pm$ 0.801 χ^2 /NDF: 94.5/7

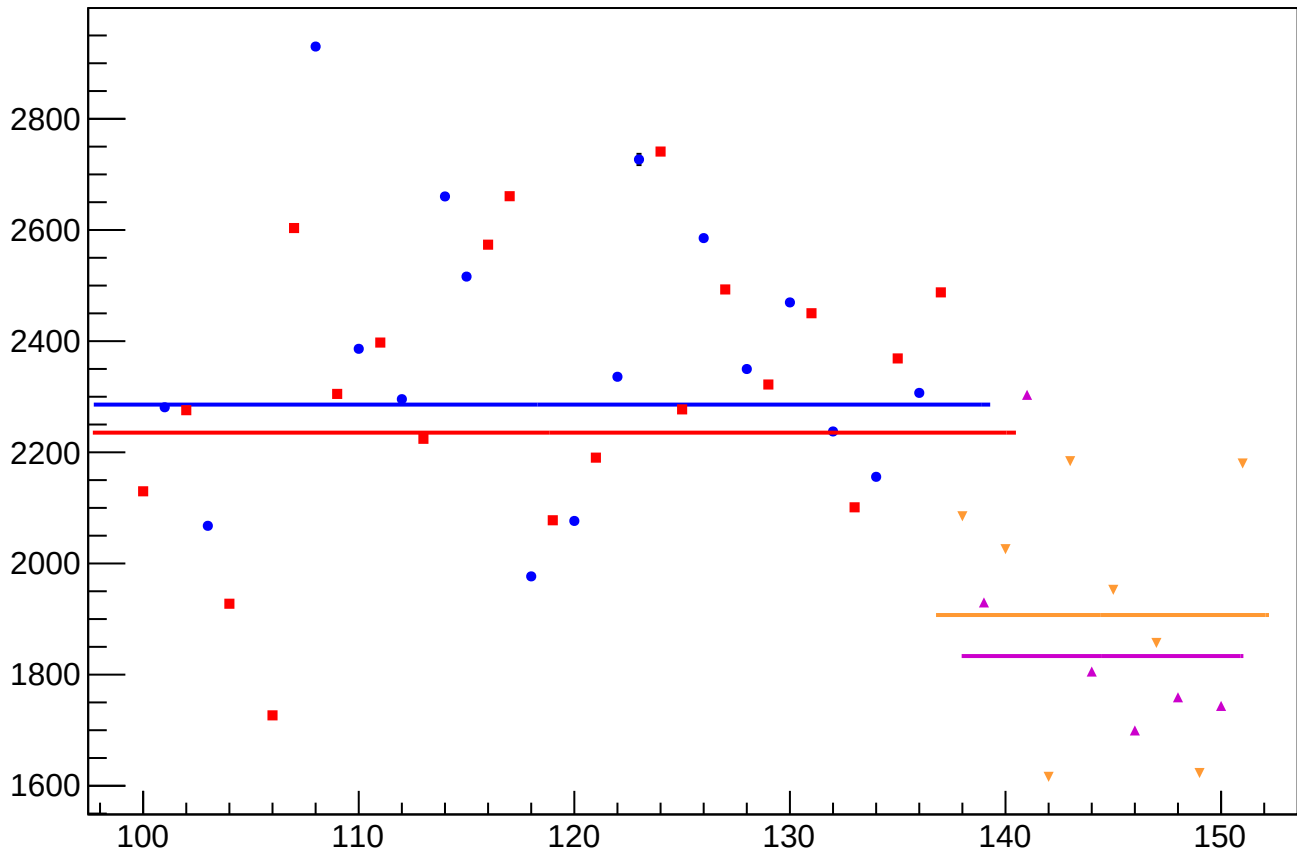
Right Out: -3.672 $\pm$ 0.841 χ^2 /NDF: 2607.8/19

Left In: 90.113 $\pm$ 0.845 χ^2 /NDF: 246.4/5

33.947 $\pm$ 0.594 χ^2 /NDF: 6981.6/24

42.999 $\pm$ 0.596 χ^2 /NDF: 9047.3/25

diff_bpm0i01X_rms vs Slug



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

Left Out: 1907.273+/-0.567 χ^2/NDF : 140751.6/7

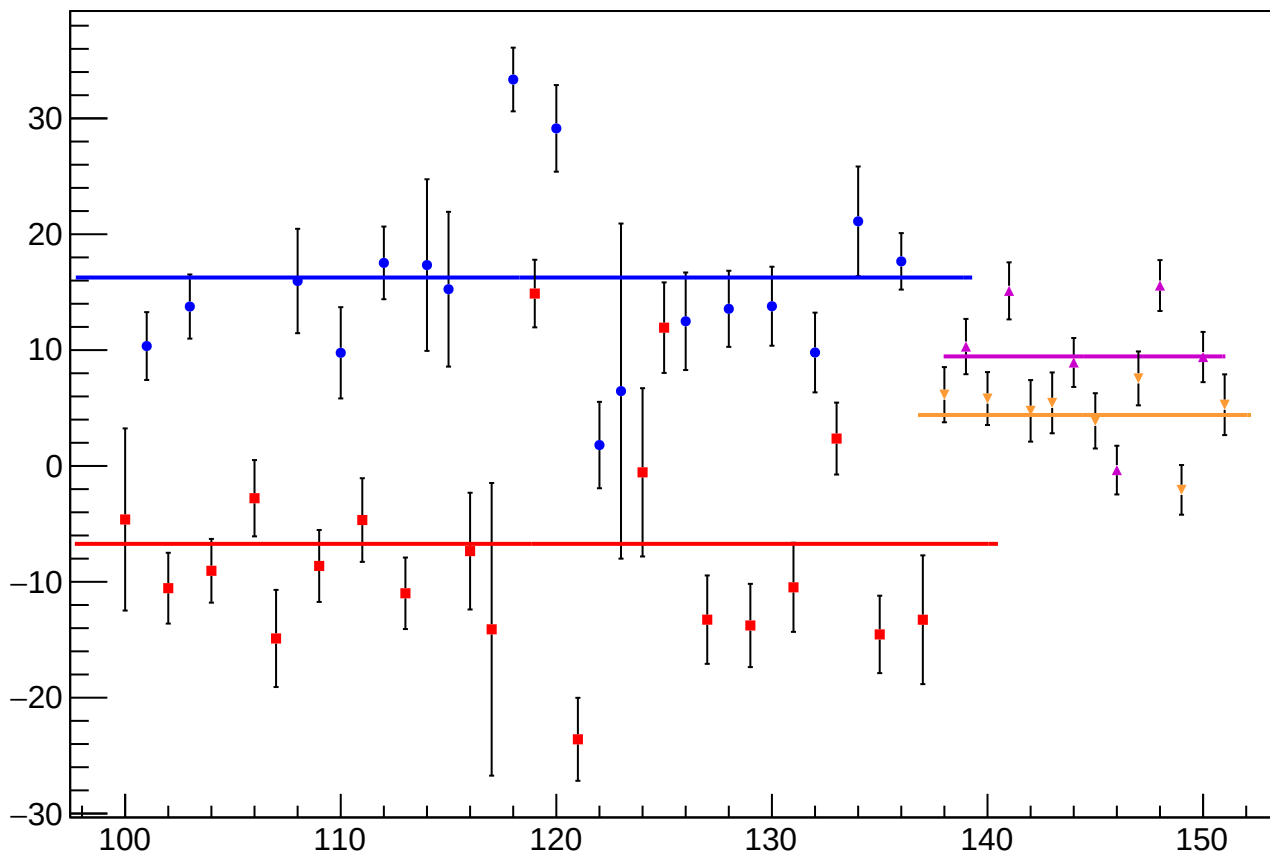
Right Out: 2235.394+/-0.594 χ^2/NDF : 149072.1/19

Left In: 1833.433+/-0.597 χ^2/NDF : 88047.6/5

2077.708+/-0.420 χ^2/NDF : 450995.9/24

2035.362+/-0.421 χ^2/NDF : 464647.9/25

diff_bpm0i01Y_mean vs Slug



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

Left Out: 4.400 ± 0.852 χ^2/NDF : 12.2/7

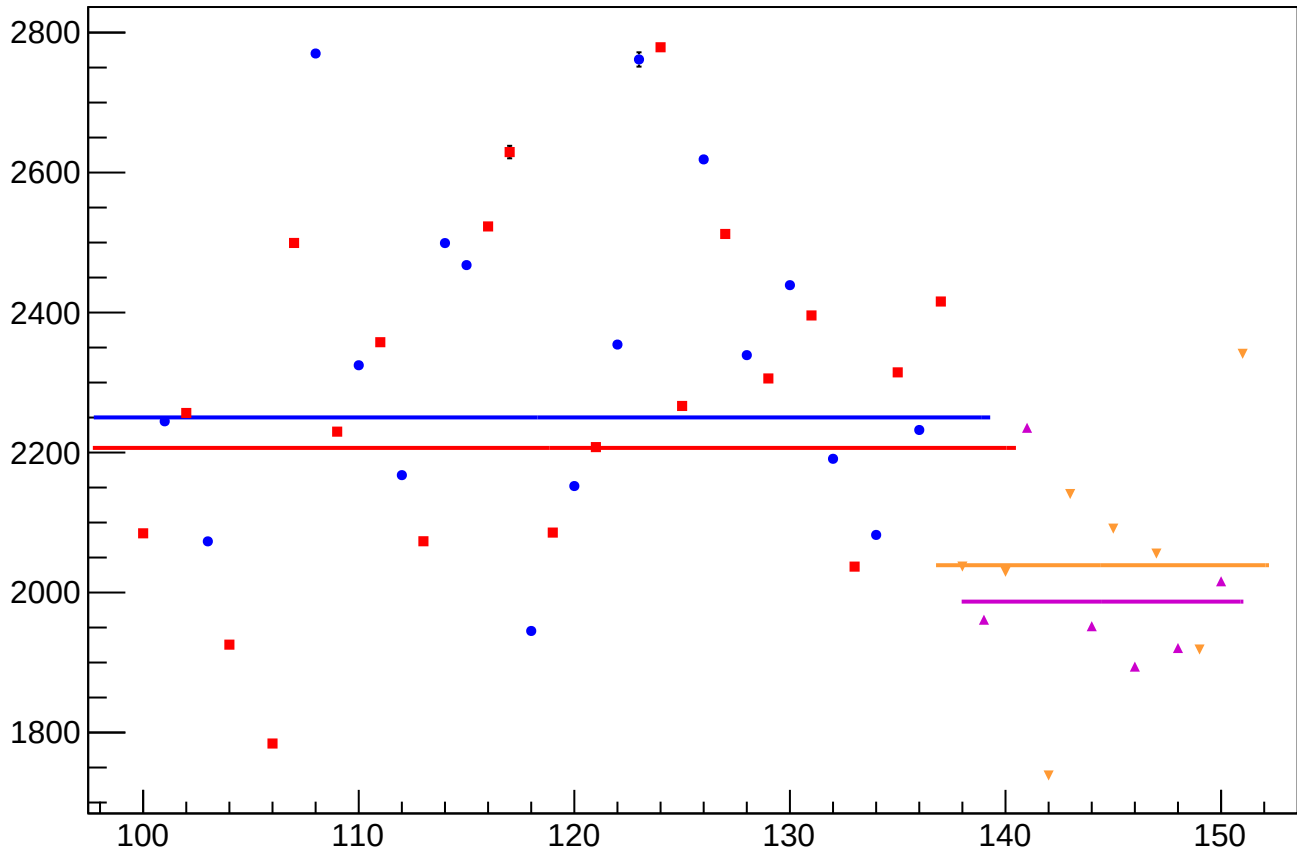
Right Out: -6.722 ± 0.829 χ^2/NDF : 134.3/19

Left In: 9.455 ± 0.909 χ^2/NDF : 35.0/5

10.196 ± 0.609 χ^2/NDF : 187.8/24

0.627 ± 0.612 χ^2/NDF : 342.3/25

diff_bpm0i01Y_rms vs Slug



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

Left Out: 2039.029+/-0.602 χ^2/NDF : 62540.6/7

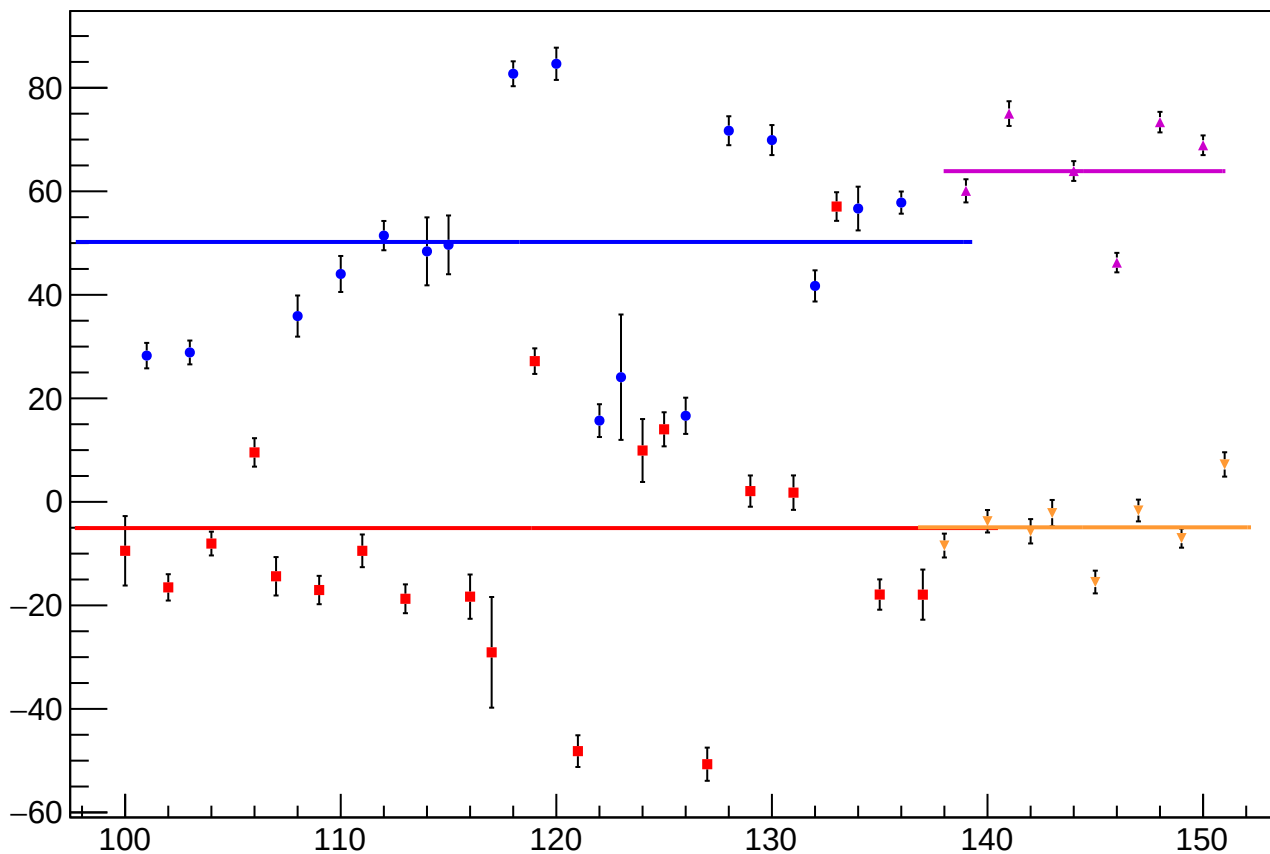
Right Out: 2206.617+/-0.586 χ^2/NDF : 128476.5/19

Left In: 1987.022+/-0.642 χ^2/NDF : 27226.4/5

2142.176+/-0.431 χ^2/NDF : 220165.4/24

2106.858+/-0.433 χ^2/NDF : 219461.1/25

diff_bpm0i01aX_mean vs Slug



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

Left Out: -4.919+/-0.781 χ^2/NDF : 57.4/7

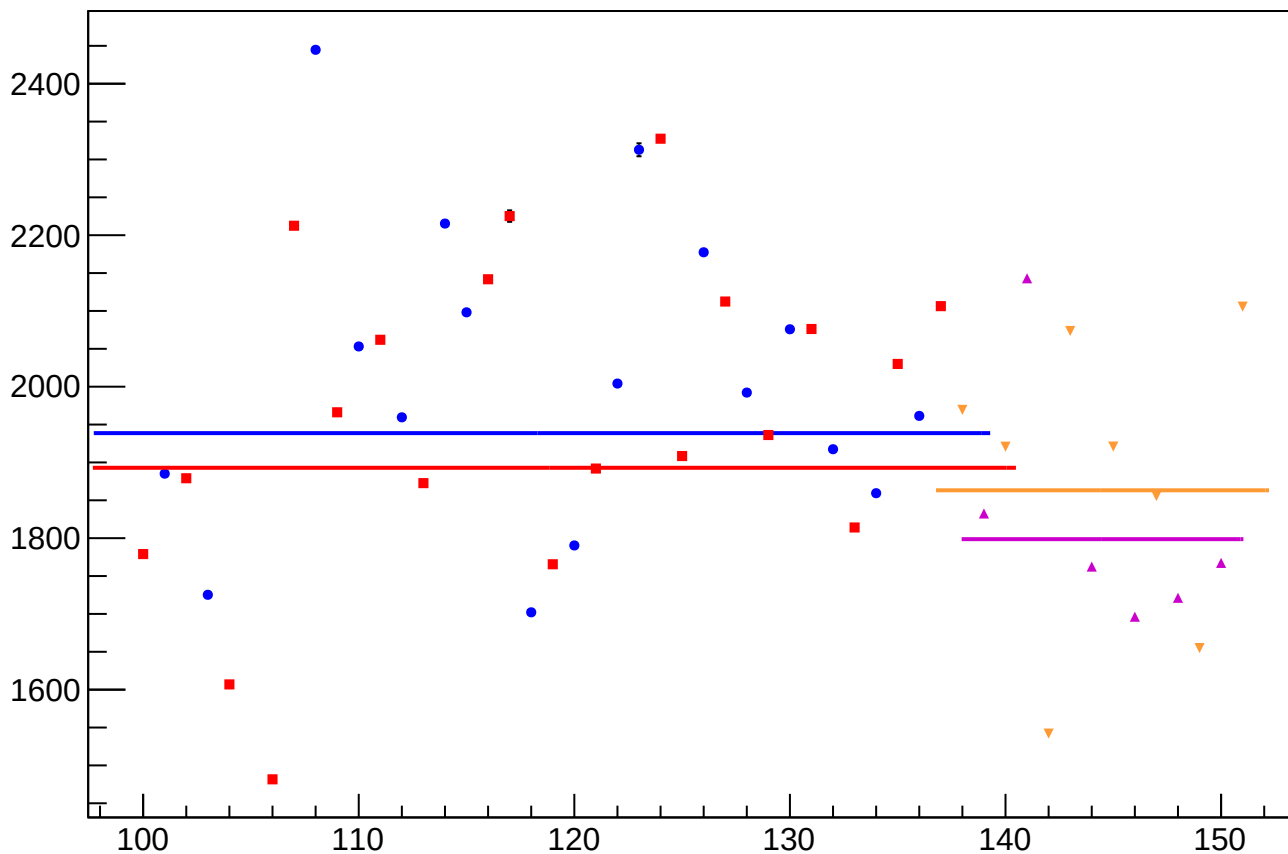
Right Out: -5.065+/-0.712 χ^2/NDF : 1267.6/19

Left In: 63.895+/-0.827 χ^2/NDF : 142.5/5

23.720+/-0.541 χ^2/NDF : 3479.2/24

24.282+/-0.540 χ^2/NDF : 5404.1/25

diff_bpm0i01aX_rms vs Slug



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

Left Out: 1863.206+/-0.552 χ^2/NDF : 104499.0/7

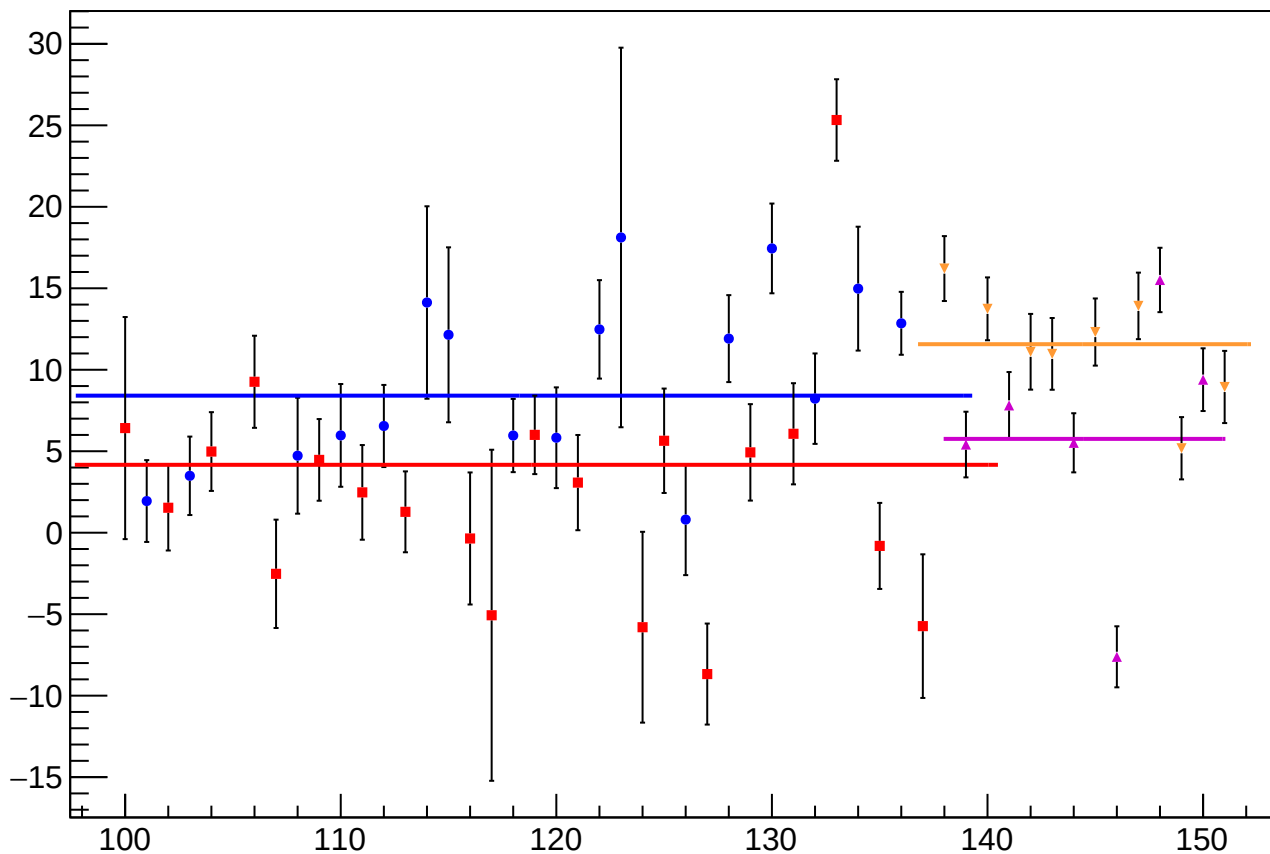
Right Out: 1892.946+/-0.503 χ^2/NDF : 148563.2/19

Left In: 1798.700+/-0.585 χ^2/NDF : 52287.6/5

1902.414+/-0.383 χ^2/NDF : 214357.1/24

1852.839+/-0.381 χ^2/NDF : 215770.7/25

diff_bpm0i01aY_mean vs Slug



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

Left Out: 11.569 ± 0.732 χ^2/NDF : 20.8/7

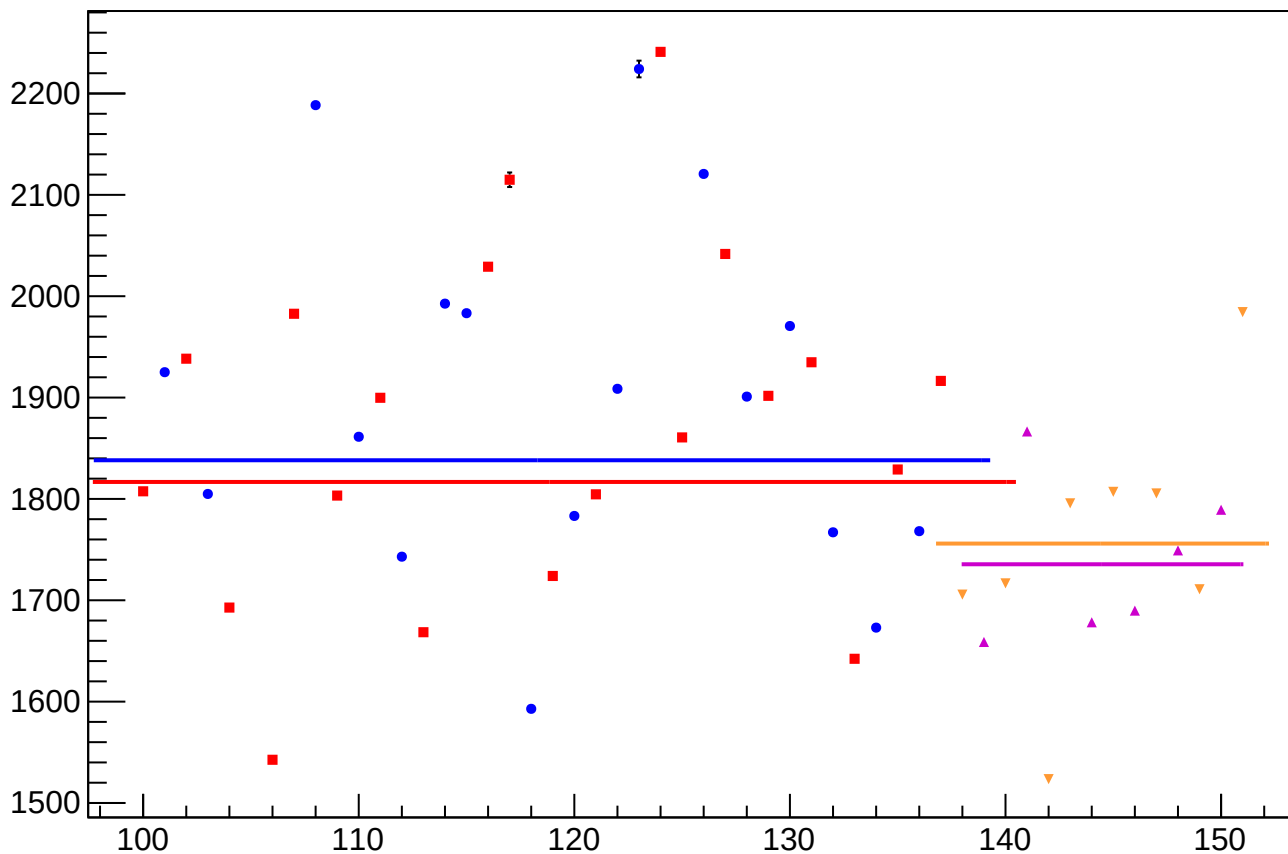
Right Out: 4.167 ± 0.681 χ^2/NDF : 113.9/19

Left In: 5.758 ± 0.791 χ^2/NDF : 80.0/5

9.944 ± 0.510 χ^2/NDF : 75.0/24

4.844 ± 0.516 χ^2/NDF : 196.2/25

diff_bpm0i01aY_rms vs Slug



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

Left Out: 1755.949 $\pm$ 0.518 χ^2 /NDF: 47535.8/7

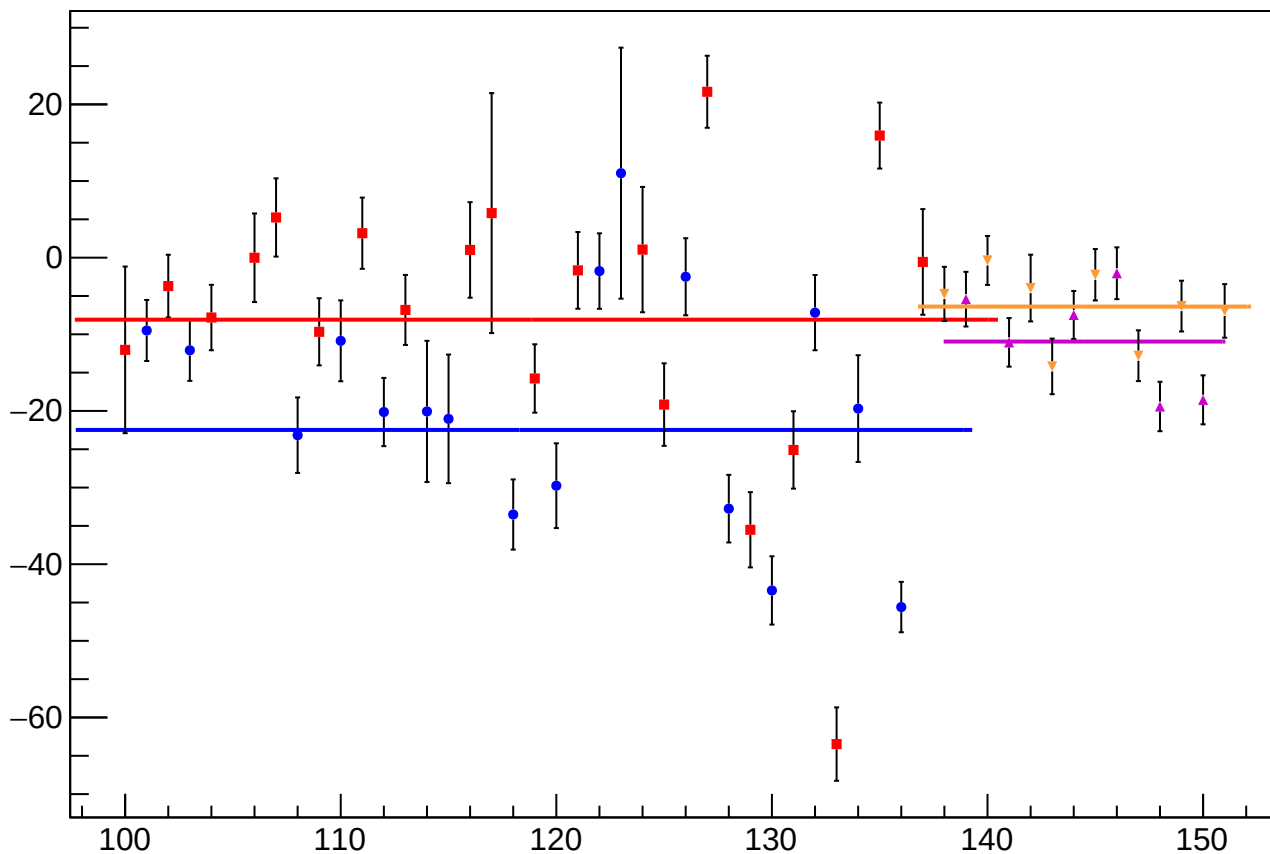
Right Out: 1816.748 $\pm$ 0.481 χ^2 /NDF: 89149.7/19

Left In: 1735.524 $\pm$ 0.559 χ^2 /NDF: 15933.7/5

1798.239 $\pm$ 0.361 χ^2 /NDF: 143382.4/24

1782.156 $\pm$ 0.365 χ^2 /NDF: 117205.4/25

diff_bpm0l01X_mean vs Slug



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

Left Out: -6.382 ± 1.231 χ^2/NDF : 14.0/7

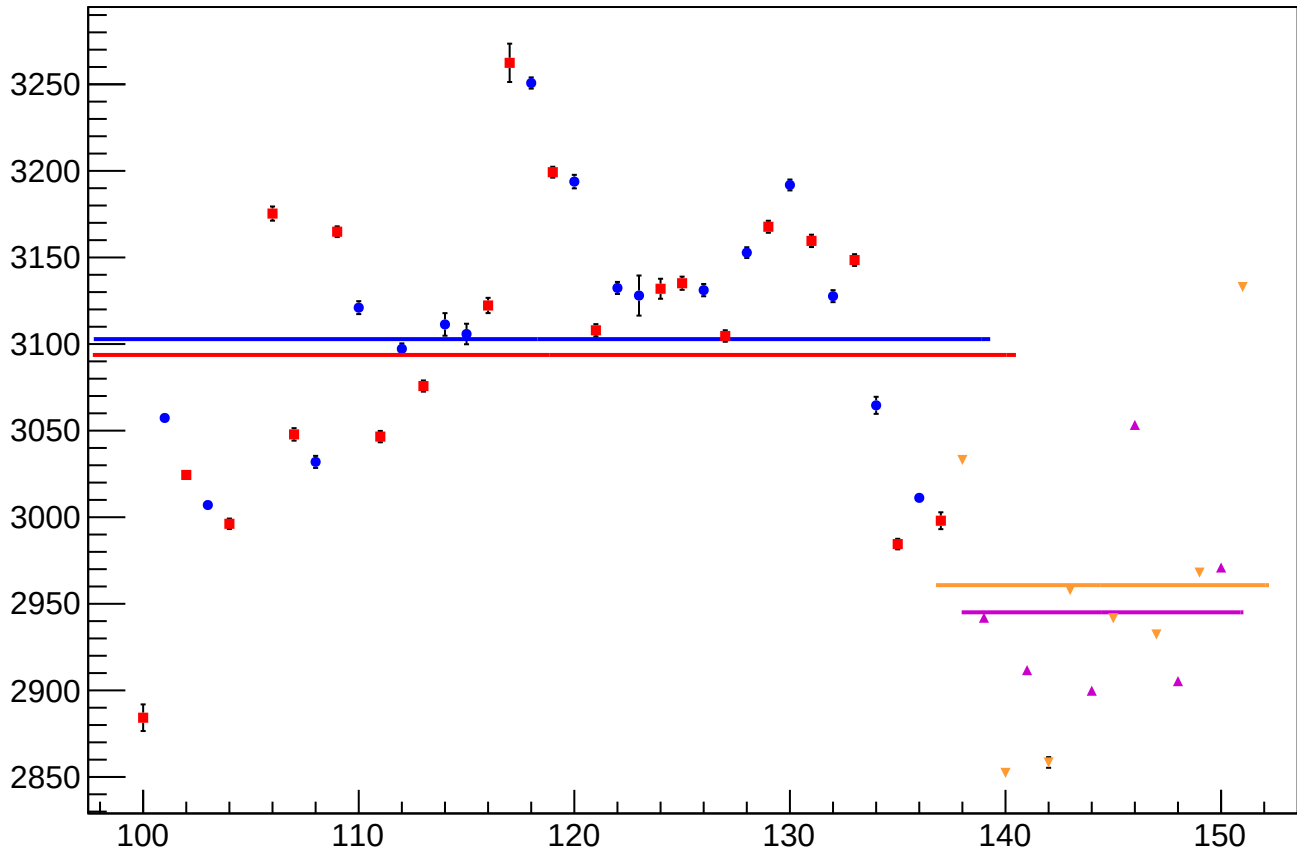
Right Out: -8.093 ± 1.153 χ^2/NDF : 277.7/19

Left In: -10.948 ± 1.334 χ^2/NDF : 23.2/5

-14.672 ± 0.857 χ^2/NDF : 256.7/24

-9.315 ± 0.872 χ^2/NDF : 303.5/25

diff_bpm0l01X_rms vs Slug



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

Left Out: 2960.768 $\pm$ 0.871 χ^2 /NDF:9317.8/7

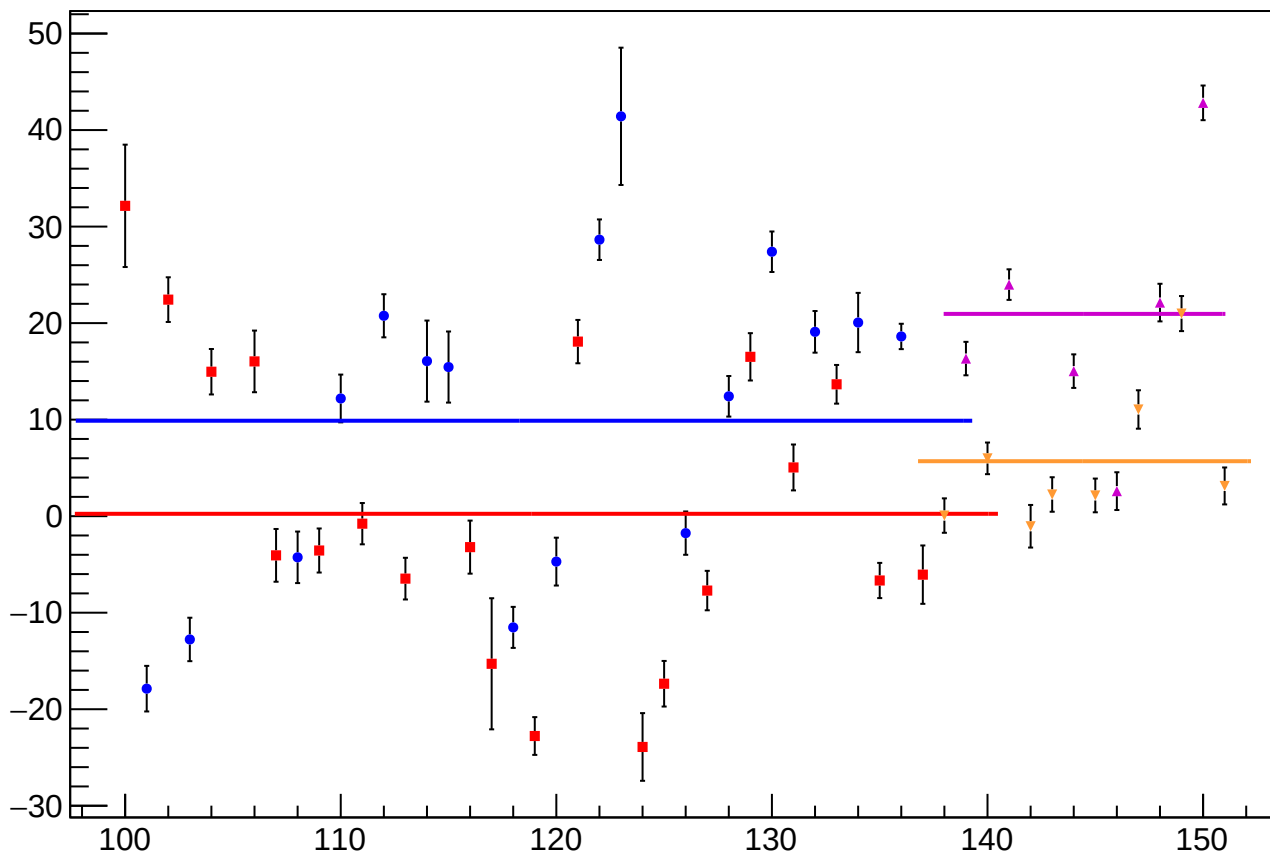
Right Out: 3093.715 $\pm$ 0.816 χ^2 /NDF: 7996.8/19

Left In: 2945.088 $\pm$ 0.943 χ^2 /NDF:3128.2/5

3033.945 $\pm$ 0.606 χ^2 /NDF: 30379.2/24

3030.131 $\pm$ 0.617 χ^2 /NDF: 25333.1/25

diff_bpm0l01Y_mean vs Slug



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

Left Out: 5.694 ± 0.651 χ^2/NDF : 107.1/7

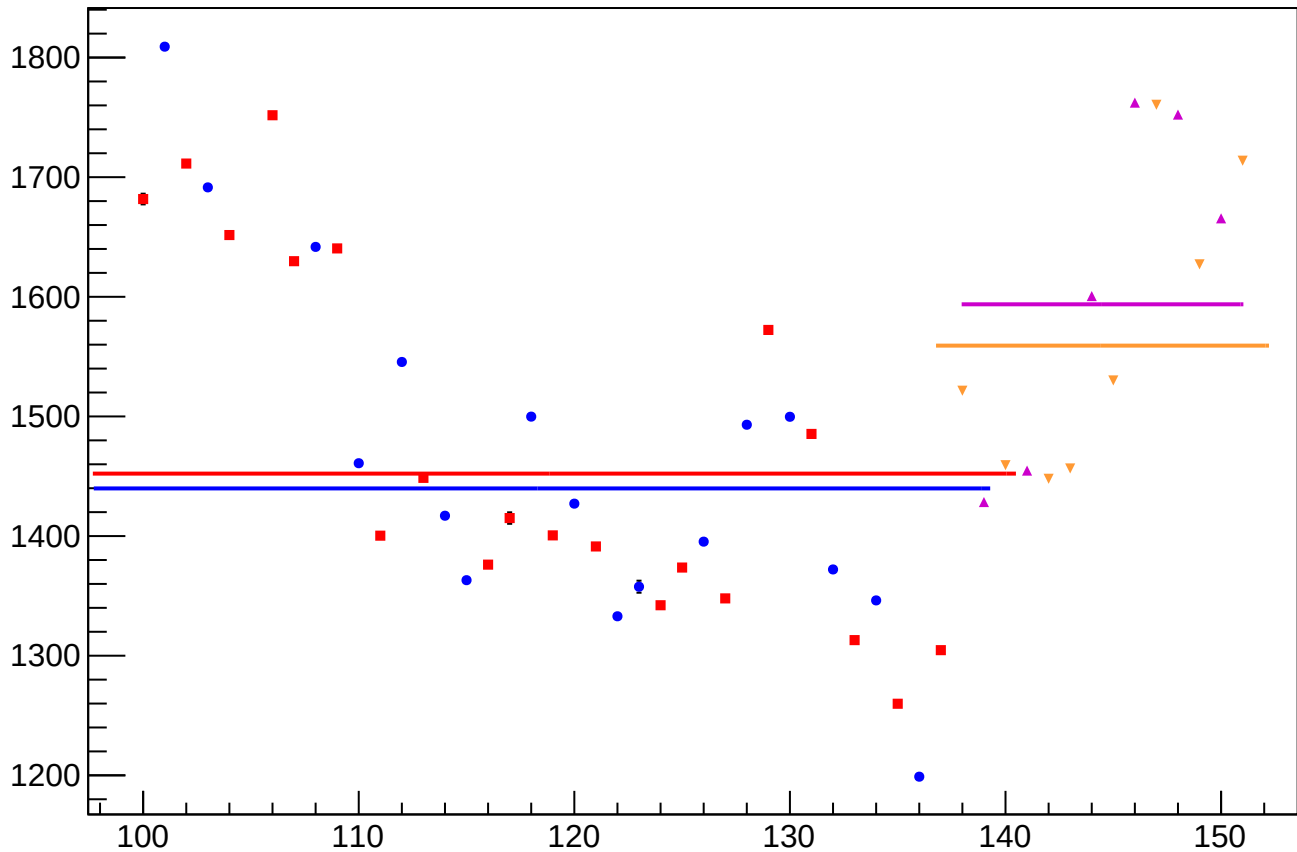
Right Out: 0.245 ± 0.545 χ^2/NDF : 634.1/19

Left In: 20.955 ± 0.726 χ^2/NDF : 259.2/5

8.105 ± 0.424 χ^2/NDF : 834.6/24

7.712 ± 0.436 χ^2/NDF : 1413.7/25

diff_bpm0l01Y_rms vs Slug



Right In: 1439.826 $\pm$ 0.396 χ^2 /NDF: 172823.5/16

Left Out: 1559.198 $\pm$ 0.460 χ^2 /NDF: 56875.9/7

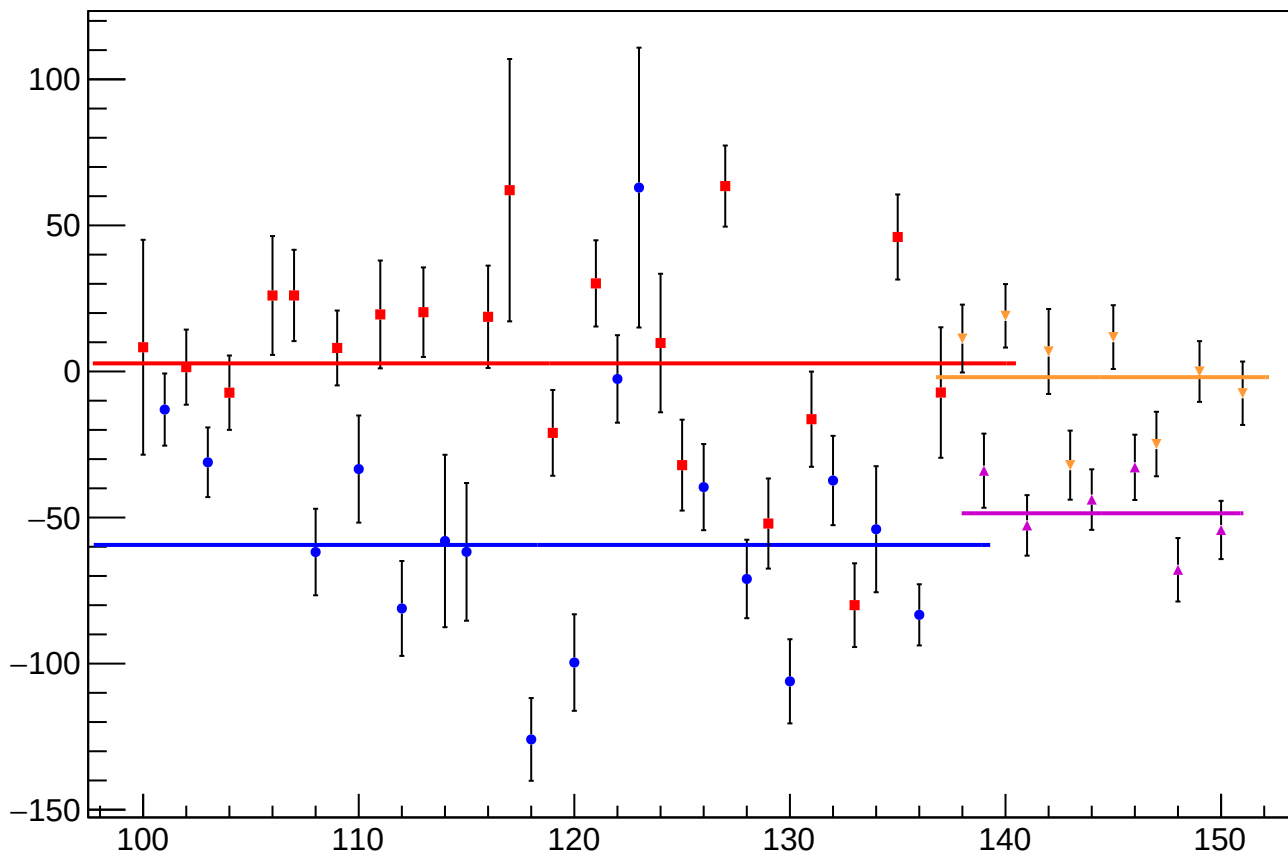
Right Out: 1452.211 $\pm$ 0.385 χ^2 /NDF: 138579.9/19

Left In: 1593.735 $\pm$ 0.513 χ^2 /NDF: 64934.0/5

1490.556 $\pm$ 0.300 χ^2 /NDF: 268391.9/24

1503.235 $\pm$ 0.308 χ^2 /NDF: 252116.1/25

diff_bpm0l02X_mean vs Slug



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

Left Out: -1.945 ± 4.013 $\chi^2/\text{NDF}: 18.1/7$

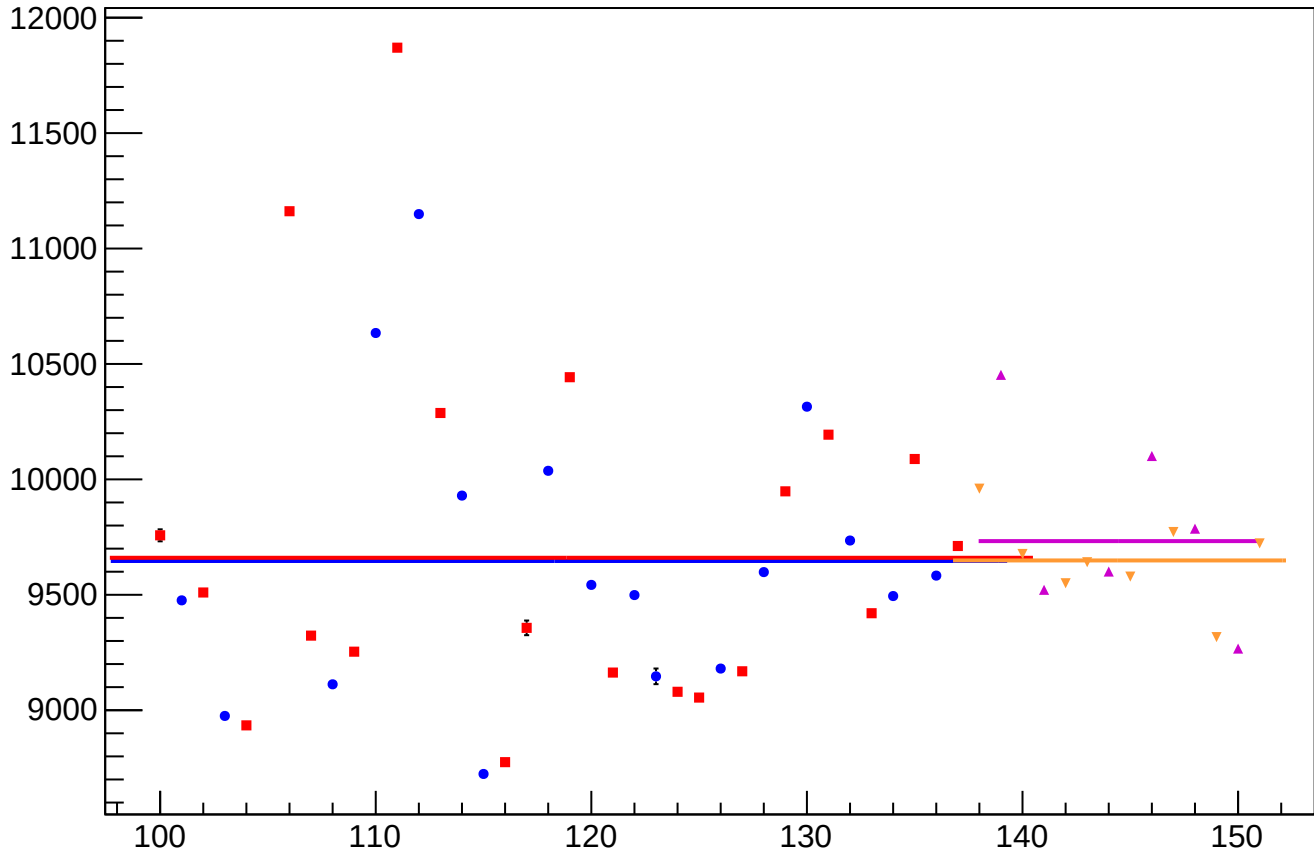
Right Out: 2.776 ± 3.618 $\chi^2/\text{NDF}: 95.7/19$

Left In: -48.540 ± 4.412 $\chi^2/\text{NDF}: 7.2/5$

-32.762 ± 2.731 $\chi^2/\text{NDF}: 220.9/24$

-17.859 ± 2.797 $\chi^2/\text{NDF}: 183.8/25$

diff_bpm0l02X_rms vs Slug



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

Left Out: 9648.817 ± 2.837 χ^2/NDF : 4004.3/7

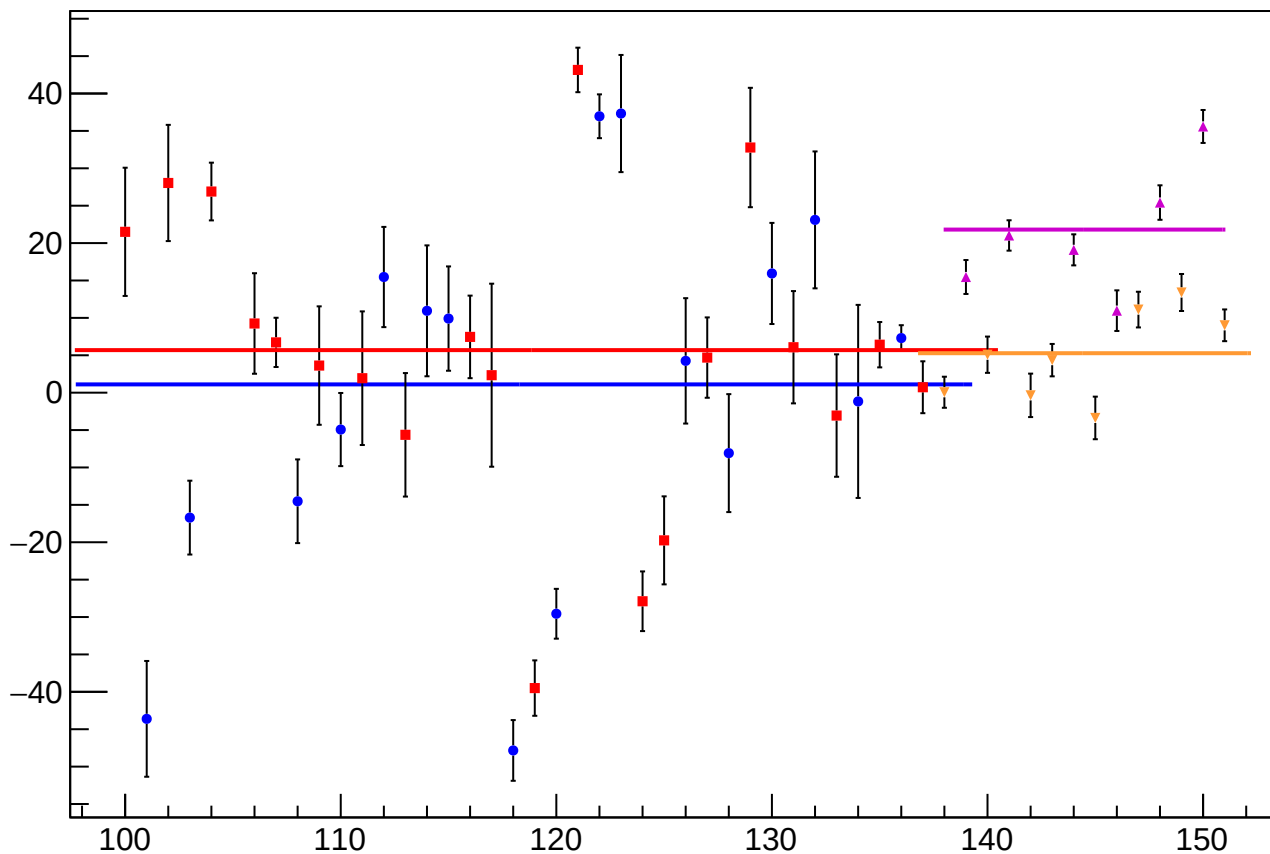
Right Out: 9660.380 ± 2.558 χ^2/NDF : 77676.0/19

Left In: 9732.566 ± 3.119 χ^2/NDF : 14182.2/5

9647.563 ± 1.931 χ^2/NDF : 48065.0/24

9689.406 ± 1.978 χ^2/NDF : 92178.4/25

diff_bpm0l02Y_mean vs Slug



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

Left Out: 5.277 ± 0.840 $\chi^2/\text{NDF}: 39.3/7$

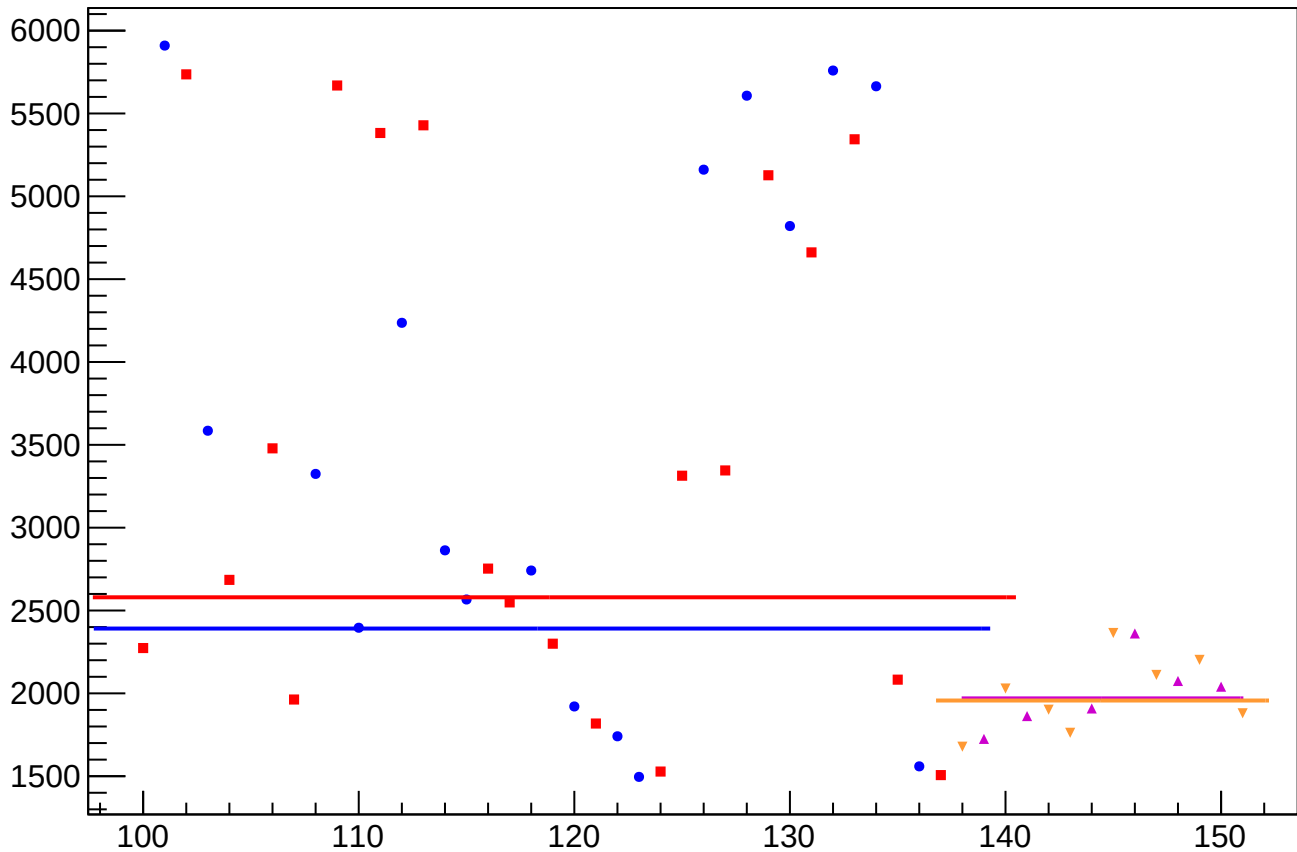
Right Out: 5.689 ± 1.087 $\chi^2/\text{NDF}: 456.0/19$

Left In: 21.807 ± 0.913 $\chi^2/\text{NDF}: 67.2/5$

3.681 ± 0.660 $\chi^2/\text{NDF}: 538.5/24$

15.134 ± 0.699 $\chi^2/\text{NDF}: 652.1/25$

diff_bpm0l02Y_rms vs Slug



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

Left Out: 1956.799+/-0.594 χ^2/NDF : 126398.5/7

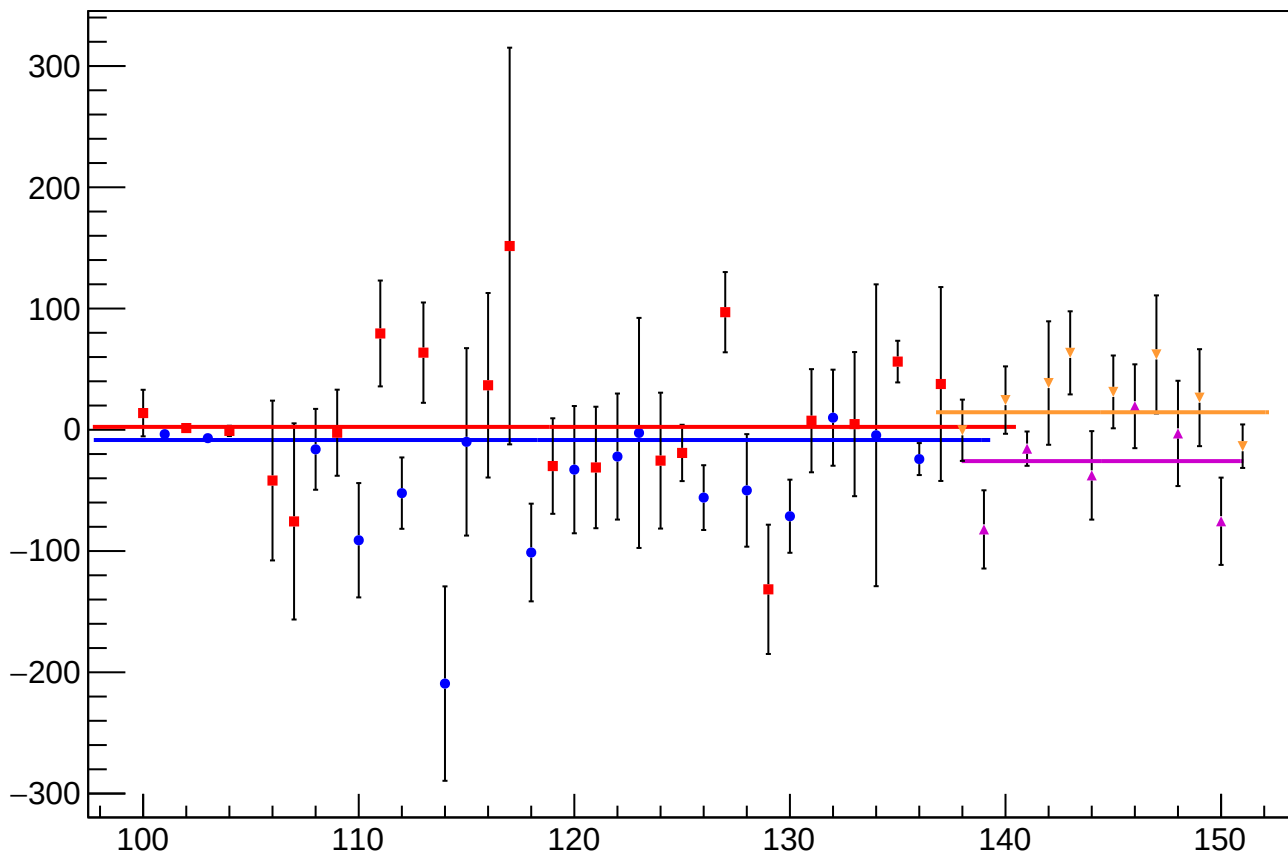
Right Out: 2579.794+/-0.768 χ^2/NDF : 2365284.2/19

Left In: 1969.623+/-0.646 χ^2/NDF : 78285.7/5

2123.048+/-0.467 χ^2/NDF : 2931737.2/24

2222.236+/-0.494 χ^2/NDF : 2812996.6/25

diff_bpm0l03X_mean vs Slug



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

Left Out: 14.470 ± 10.336 $\chi^2/\text{NDF}: 6.5/7$

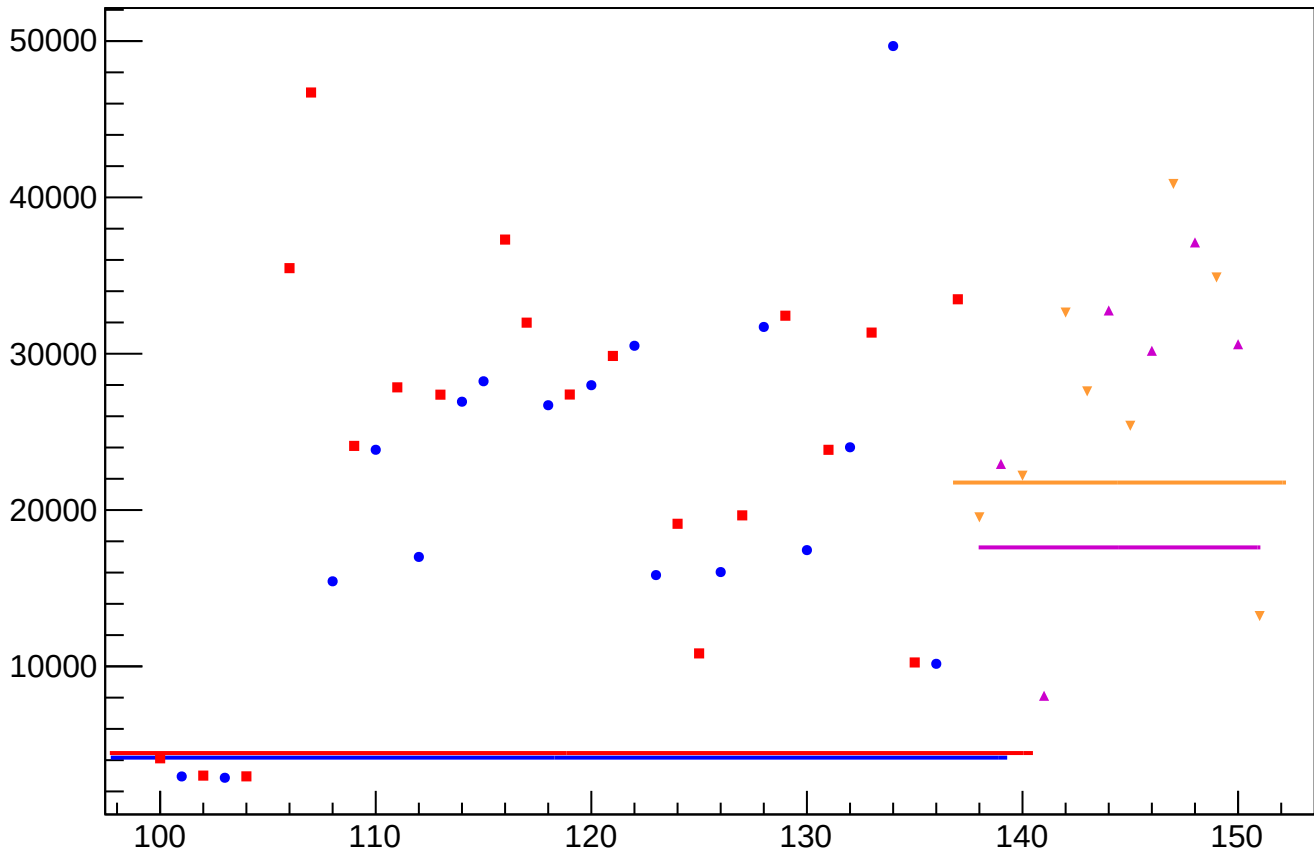
Right Out: 2.392 ± 2.786 $\chi^2/\text{NDF}: 35.5/19$

Left In: -25.822 ± 10.632 $\chi^2/\text{NDF}: 7.6/5$

-7.080 ± 2.510 $\chi^2/\text{NDF}: 40.1/24$

0.578 ± 2.695 $\chi^2/\text{NDF}: 49.7/25$

diff_bpm0l03X_rms vs Slug



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

Left Out: 21759.579+/-7.309 χ^2/NDF : 1170783.3/7

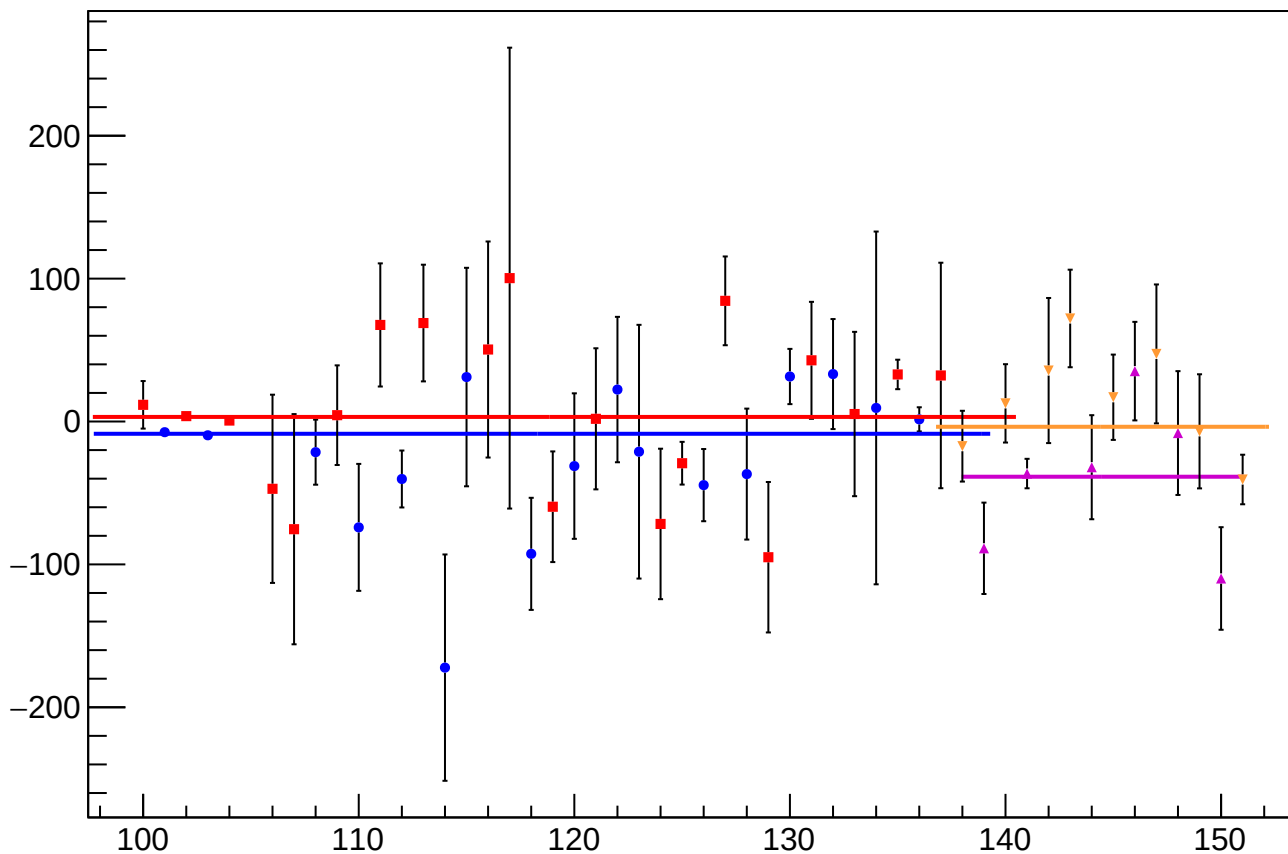
Right Out: 4455.114+/-1.970 χ^2/NDF : 7483602.5/19

Left In: 17610.283+/-7.518 χ^2/NDF : 2229340.9/5

5200.031+/-1.775 χ^2/NDF : 12616135.9/24

5300.658+/-1.906 χ^2/NDF : 12578227.2/25

diff_bpm0l03Y_mean vs Slug



Right In: -8.586 ± 1.778 χ^2/NDF : 24.4/16

Left Out: -3.685 ± 10.151 χ^2/NDF : 12.3/7

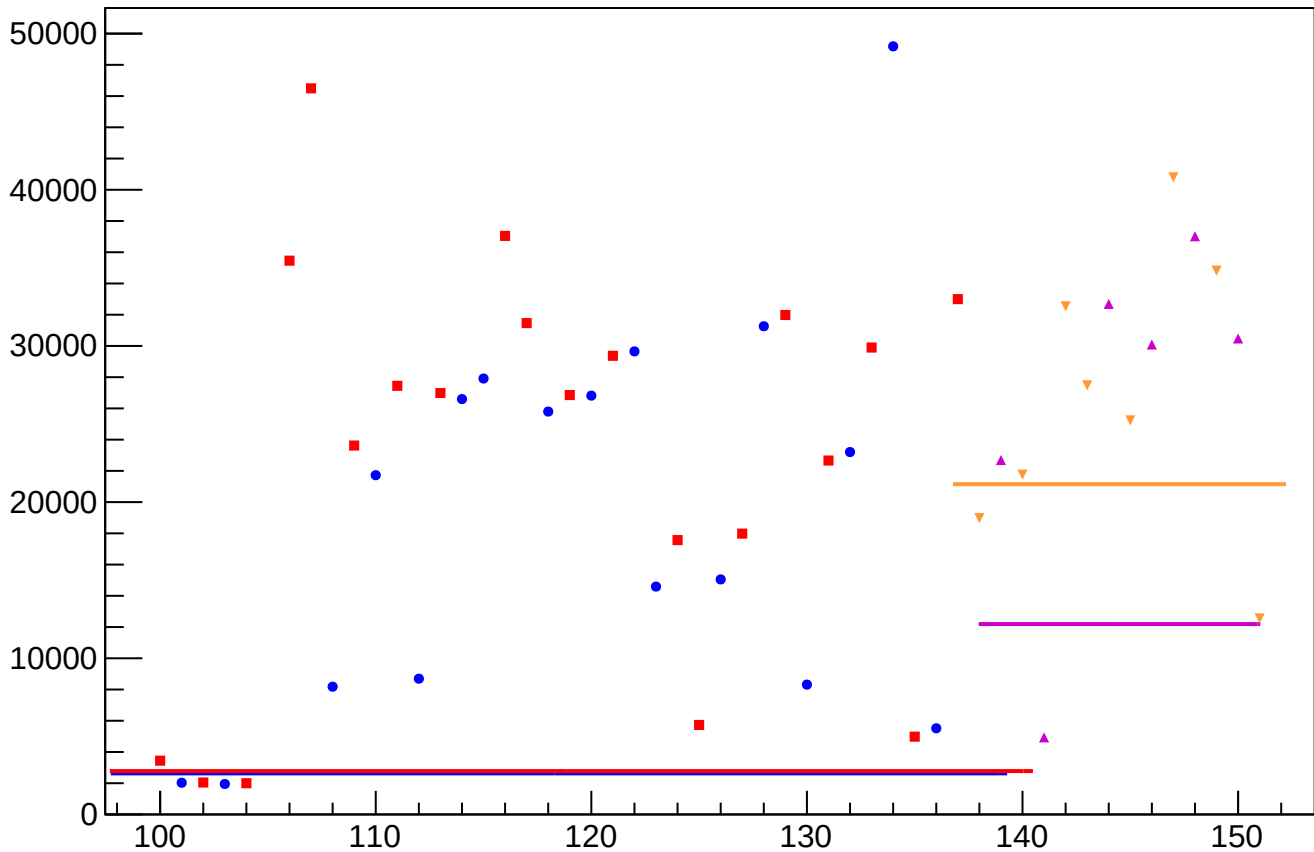
Right Out: 3.208 ± 1.922 χ^2/NDF : 37.2/19

Left In: -38.639 ± 8.675 χ^2/NDF : 11.6/5

-8.441 ± 1.751 χ^2/NDF : 36.9/24

1.250 ± 1.877 χ^2/NDF : 71.0/25

diff_bpm0l03Y_rms vs Slug



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

Left Out: 21148.704+/-7.178 χ^2/NDF :1275686.4/7

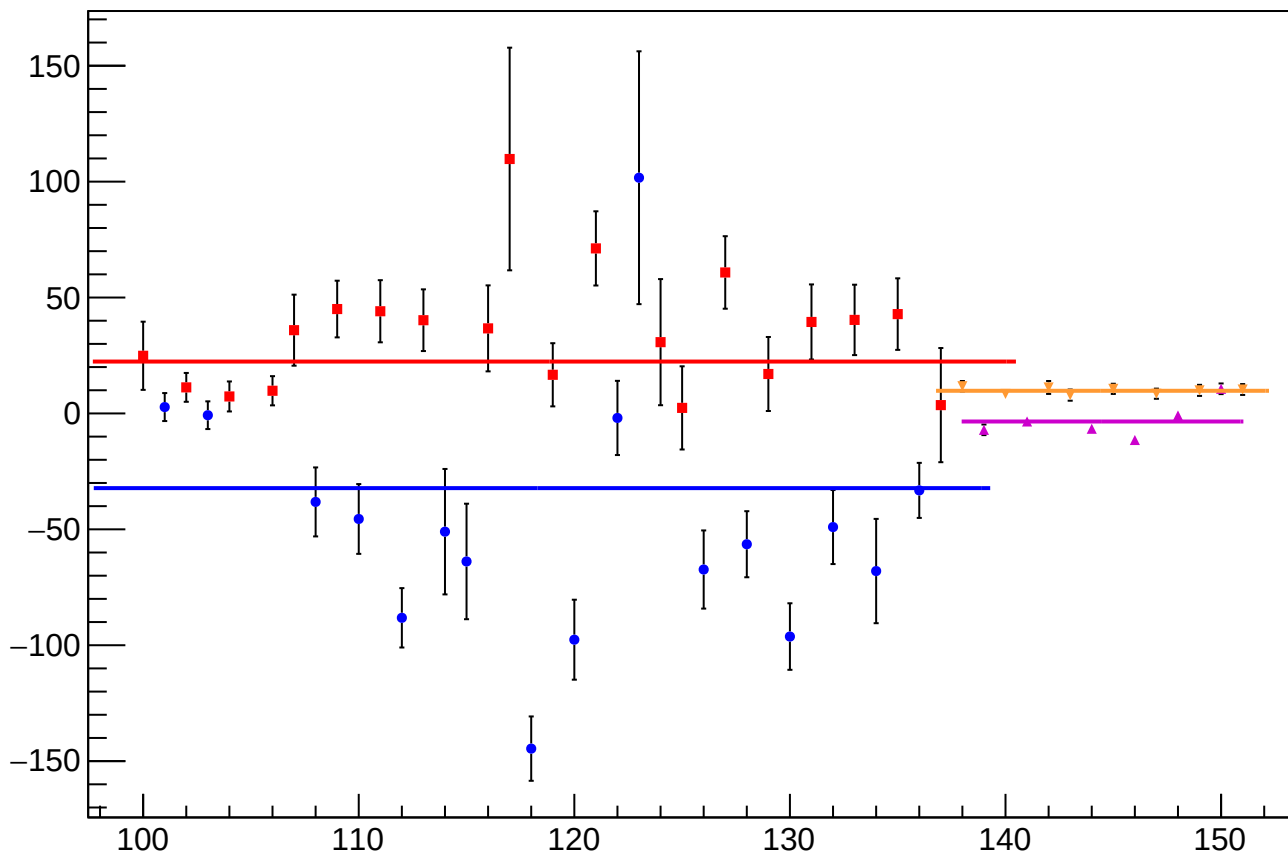
Right Out: 2777.521+/-1.359 χ^2/NDF : 7899165.0/19

Left In: 12190.809+/-6.134 χ^2/NDF :3555363.7/5

3181.601+/-1.238 χ^2/NDF : 13322392.2/24

3218.006+/-1.327 χ^2/NDF : 13699184.6/25

diff_bpm0l04X_mean vs Slug



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

Left Out: 9.770 ± 0.819 $\chi^2/\text{NDF}: 2.6/7$

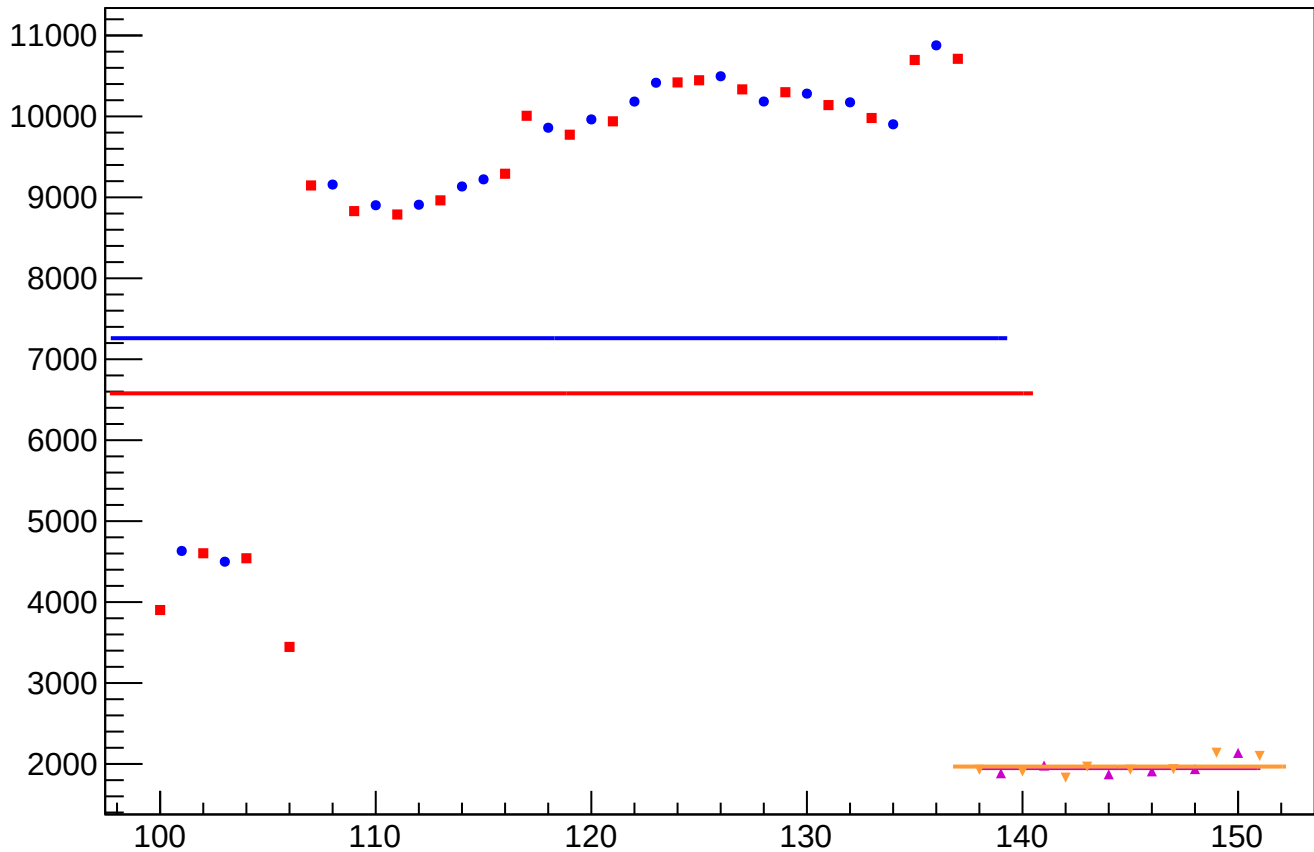
Right Out: 22.381 ± 2.665 $\chi^2/\text{NDF}: 47.0/19$

Left In: -3.481 ± 0.884 $\chi^2/\text{NDF}: 58.3/5$

6.822 ± 0.790 $\chi^2/\text{NDF}: 390.7/24$

-0.918 ± 0.839 $\chi^2/\text{NDF}: 190.1/25$

diff_bpm0l04X_rms vs Slug



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

Left Out: 1967.941+/-0.579 χ^2/NDF : 24706.6/7

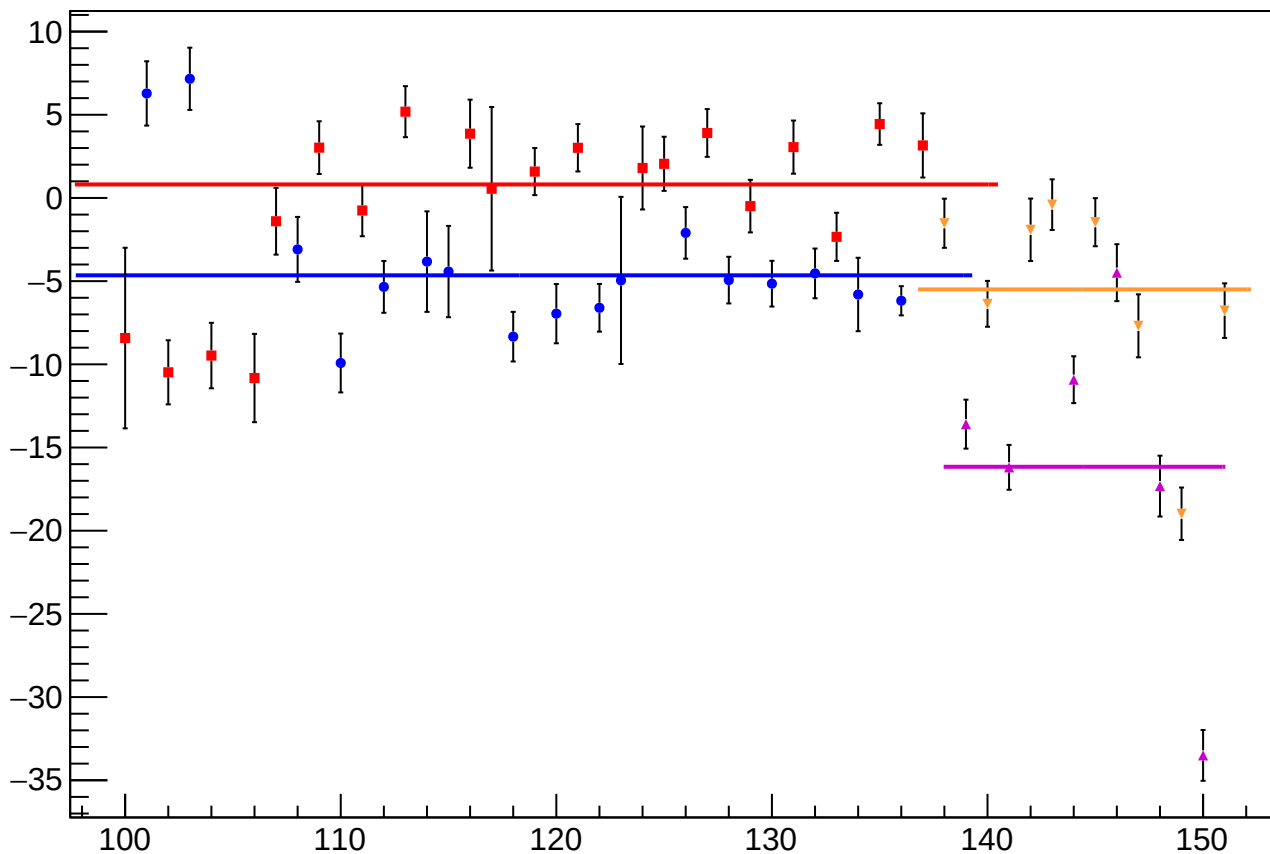
2339.508+/-0.559 χ^2/NDF : 7520261.0/24

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

2407.818+/-0.593 χ^2/NDF : 7662819.2/25

Left In: 1949.009+/-0.625 χ^2/NDF : 18949.6/5

diff_bpm0l04Y_mean vs Slug



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

Left Out: -5.497 ± 0.556 χ^2/NDF : 105.5/7

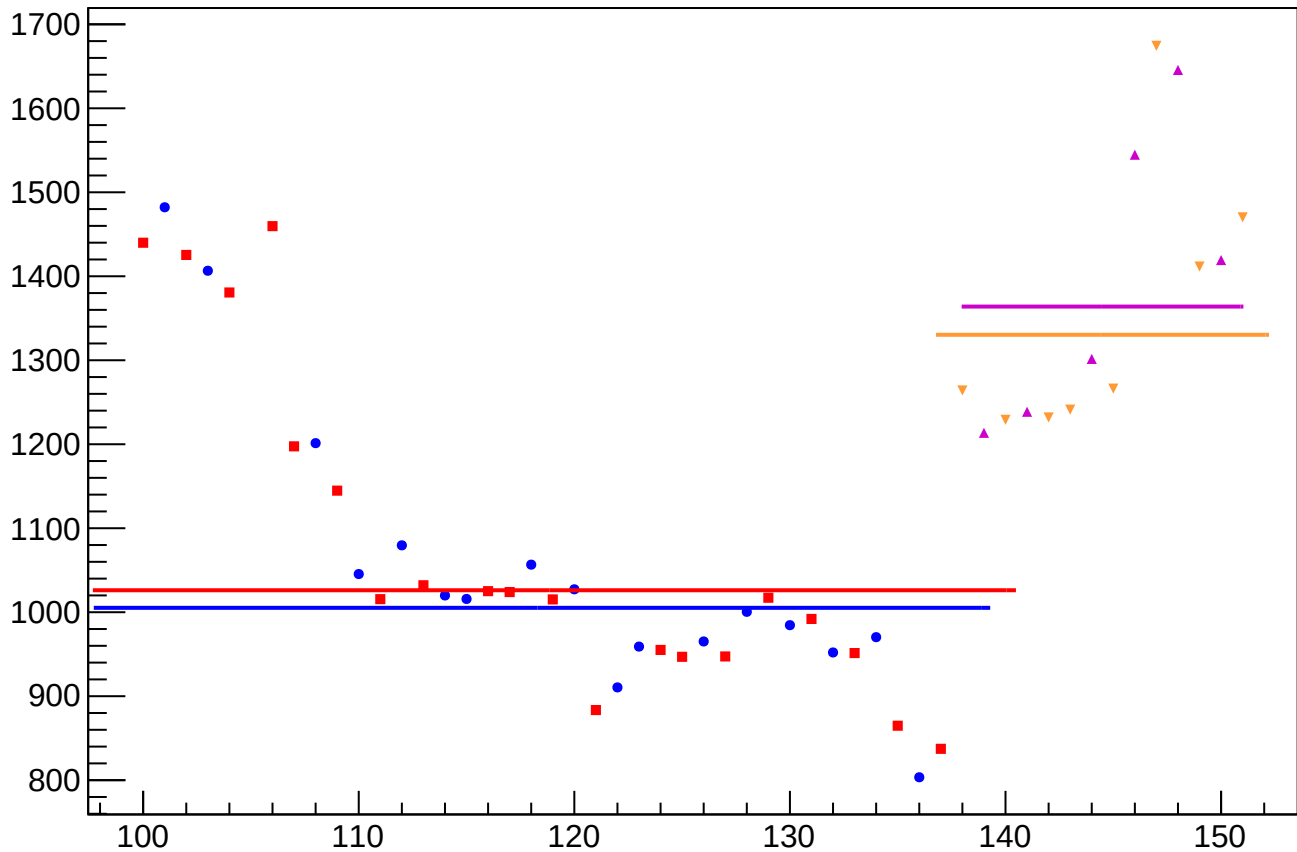
Right Out: 0.813 ± 0.387 χ^2/NDF : 123.7/19

Left In: -16.158 ± 0.622 χ^2/NDF : 192.7/5

-4.932 ± 0.321 χ^2/NDF : 204.6/24

-3.930 ± 0.329 χ^2/NDF : 853.0/25

diff_bpm0l04Y_rms vs Slug



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

Left Out: 1330.331+/-0.393 χ^2/NDF : 117082.9/7

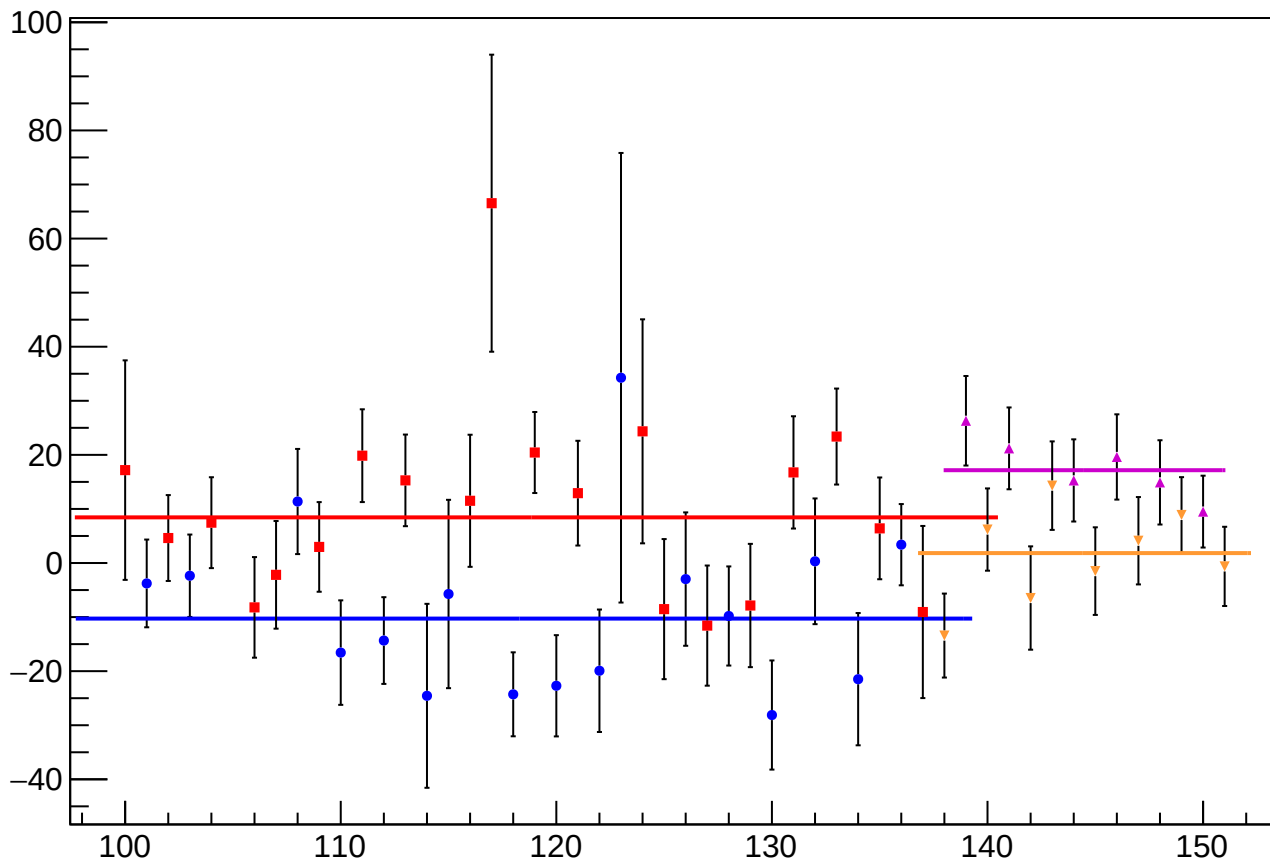
Right Out: 1026.145+/-0.274 χ^2/NDF : 333119.4/19

Left In: 1363.920+/-0.440 χ^2/NDF : 114504.5/5

1113.355+/-0.227 χ^2/NDF : 935107.3/24

1120.541+/-0.232 χ^2/NDF : 872766.6/25

diff_bpm0l05X_mean vs Slug



Right In: -10.277 ± 2.408 χ^2/NDF : 23.5/16

Left Out: 1.835 ± 2.780 χ^2/NDF : 8.6/7

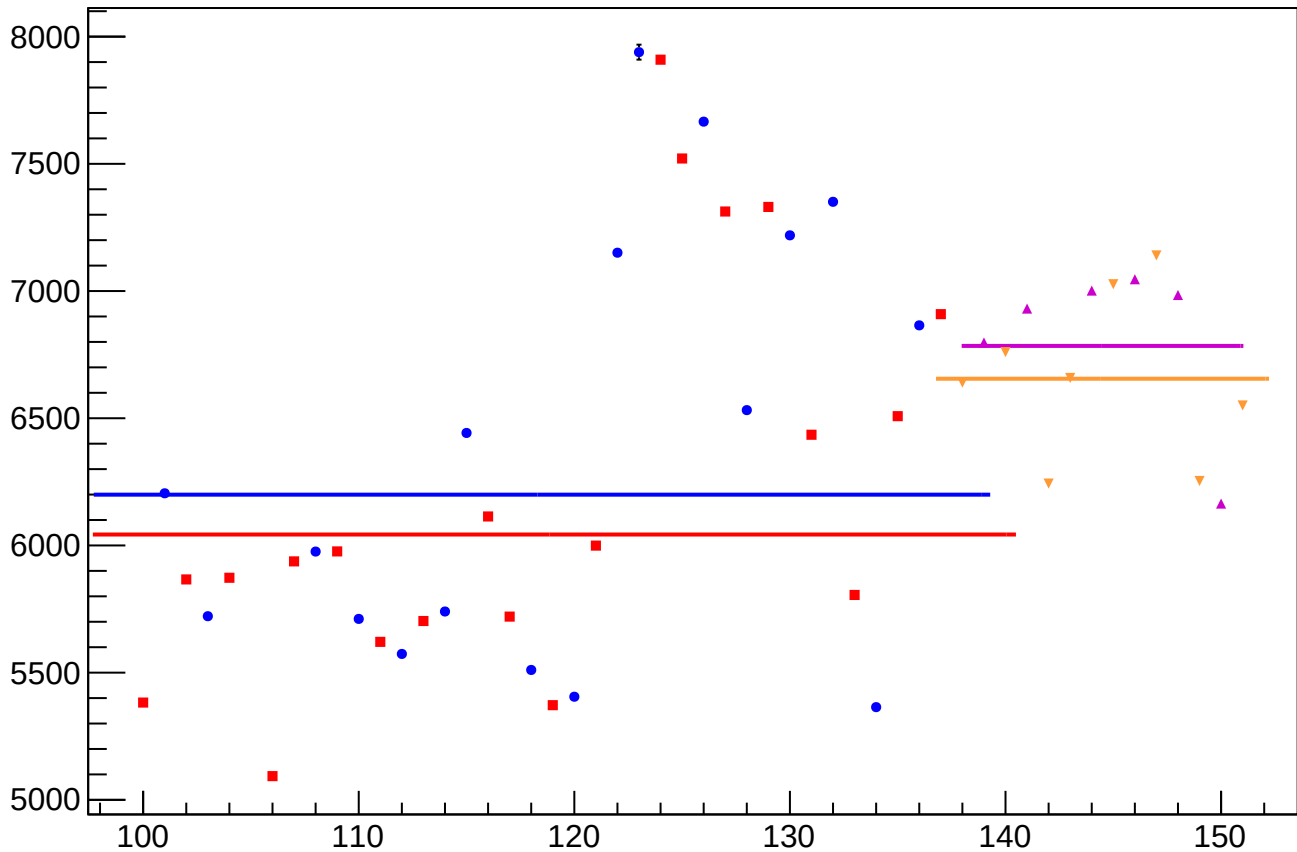
Right Out: 8.441 ± 2.271 χ^2/NDF : 27.3/19

Left In: 17.164 ± 3.092 χ^2/NDF : 3.1/5

-5.086 ± 1.820 χ^2/NDF : 43.0/24

11.497 ± 1.830 χ^2/NDF : 35.5/25

diff_bpm0l05X_rms vs Slug



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

Left Out: 6655.350+/-1.966 χ^2/NDF : 22526.7/7

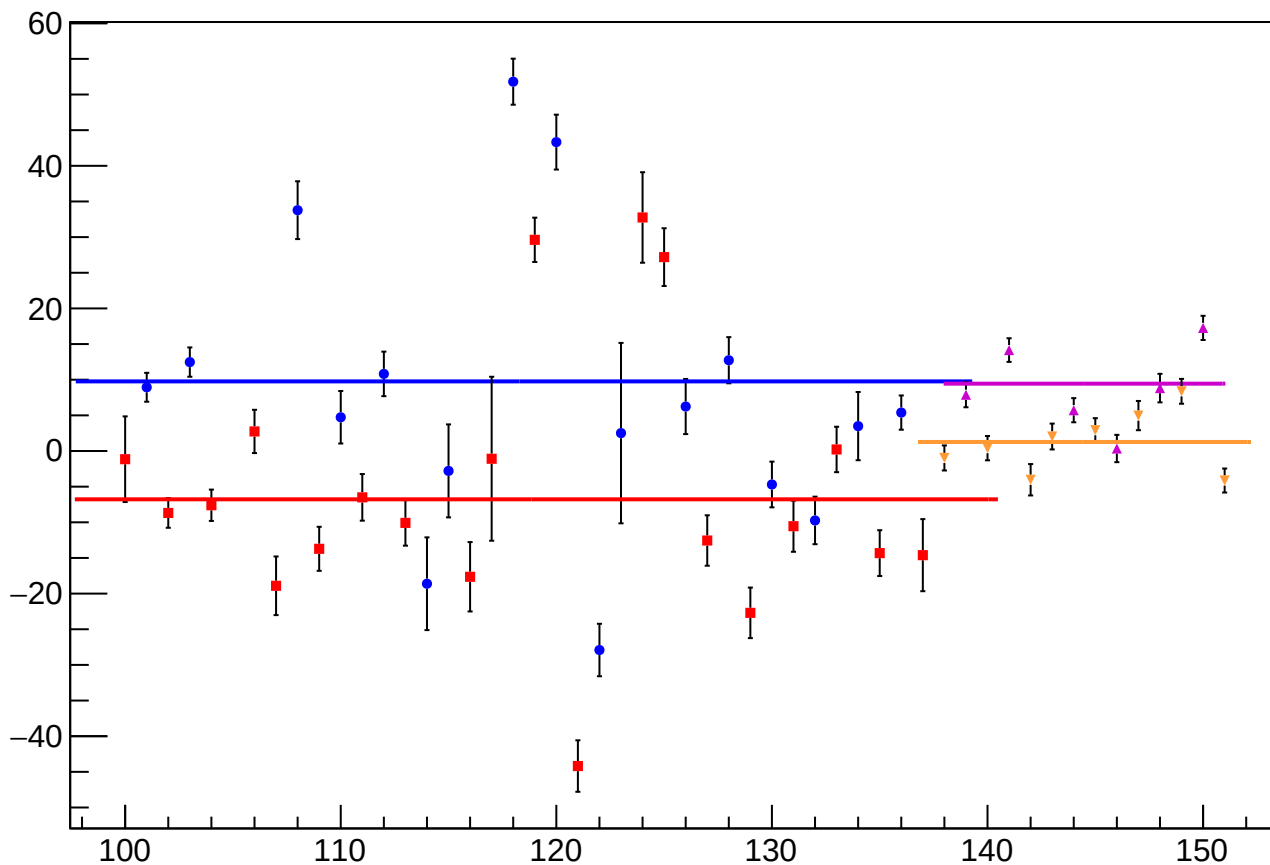
Right Out: 6042.952+/-1.606 χ^2/NDF : 158600.9/19

Left In: 6784.311+/-2.186 χ^2/NDF : 23327.8/5

6394.949+/-1.287 χ^2/NDF : 224996.3/24

6302.671+/-1.294 χ^2/NDF : 256620.5/25

diff_bpm0l05Y_mean vs Slug



Right In: 9.764 $\pm$ 0.797 χ^2 /NDF: 473.8/16

Left Out: 1.268 $\pm$ 0.639 χ^2 /NDF: 39.0/7

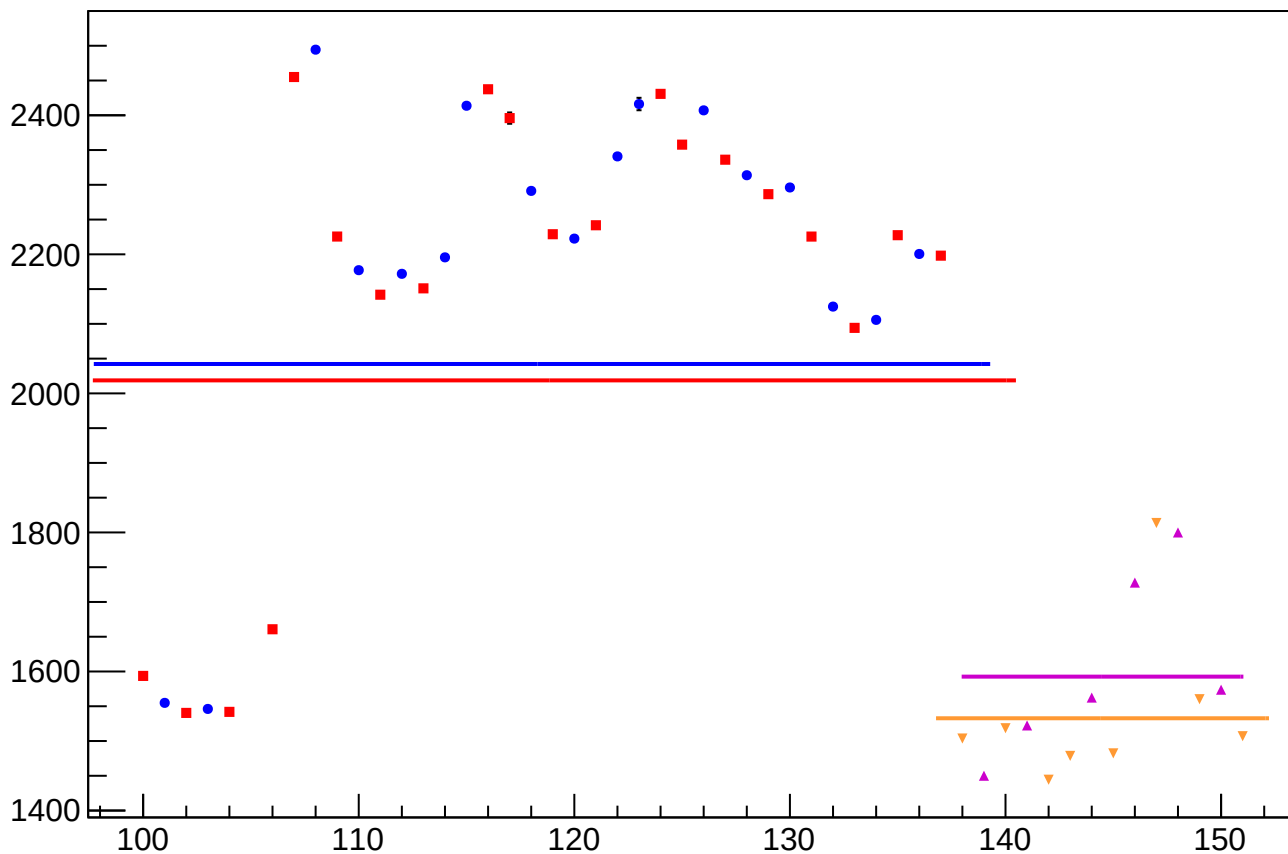
Right Out: -6.776 $\pm$ 0.763 χ^2 /NDF: 422.1/19

Left In: 9.445 $\pm$ 0.724 χ^2 /NDF: 57.6/5

4.593 $\pm$ 0.498 χ^2 /NDF: 582.0/24

1.758 $\pm$ 0.525 χ^2 /NDF: 717.4/25

diff_bpm0l05Y_rms vs Slug



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

Left Out: 1532.719+/-0.452 χ^2/NDF : 45969.6/7

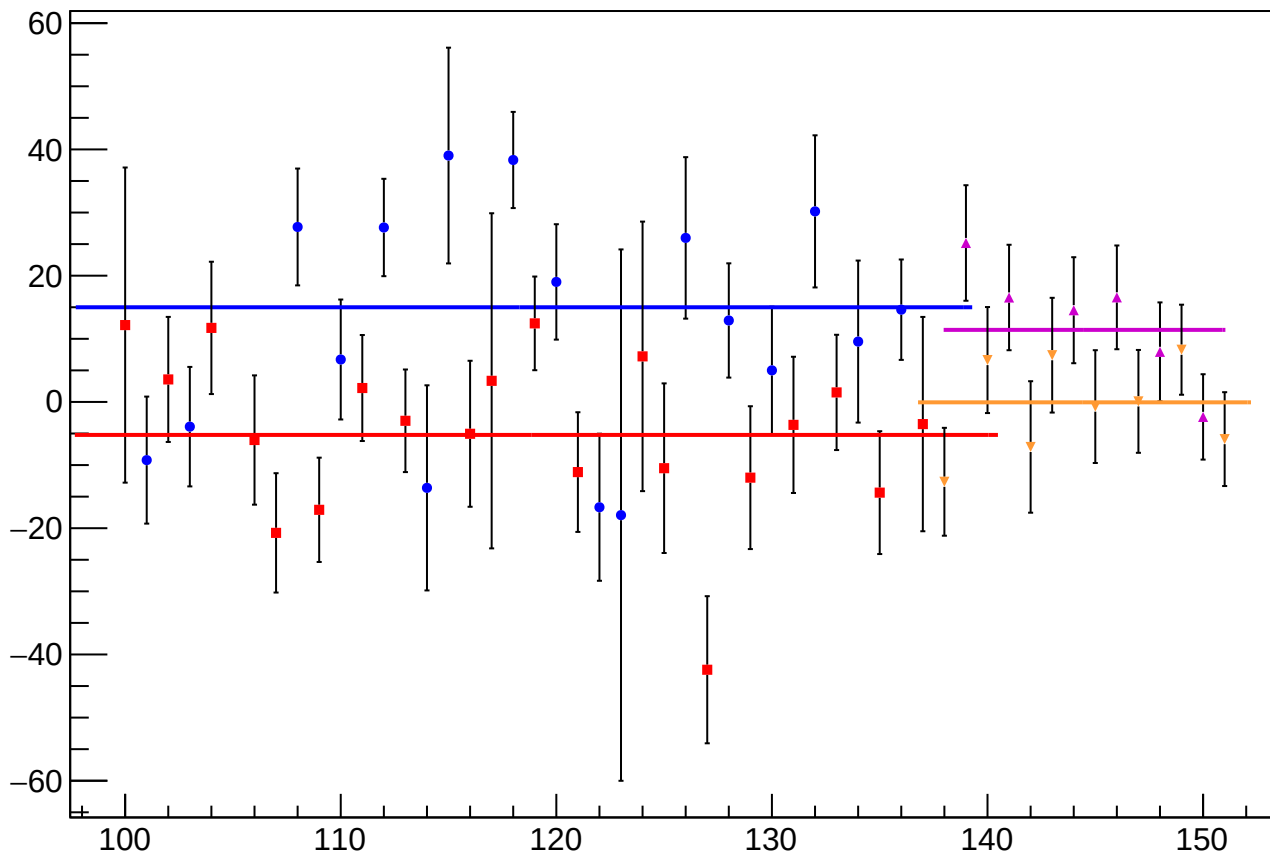
Right Out: 2018.694+/-0.540 χ^2/NDF : 377792.4/19

Left In: 1592.605+/-0.512 χ^2/NDF : 49087.0/5

1732.121+/-0.352 χ^2/NDF : 900570.0/24

1794.520+/-0.371 χ^2/NDF : 754961.0/25

diff_bpm0l06X_mean vs Slug



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

Left Out: -0.062 ± 2.954 χ^2/NDF : 5.9/7

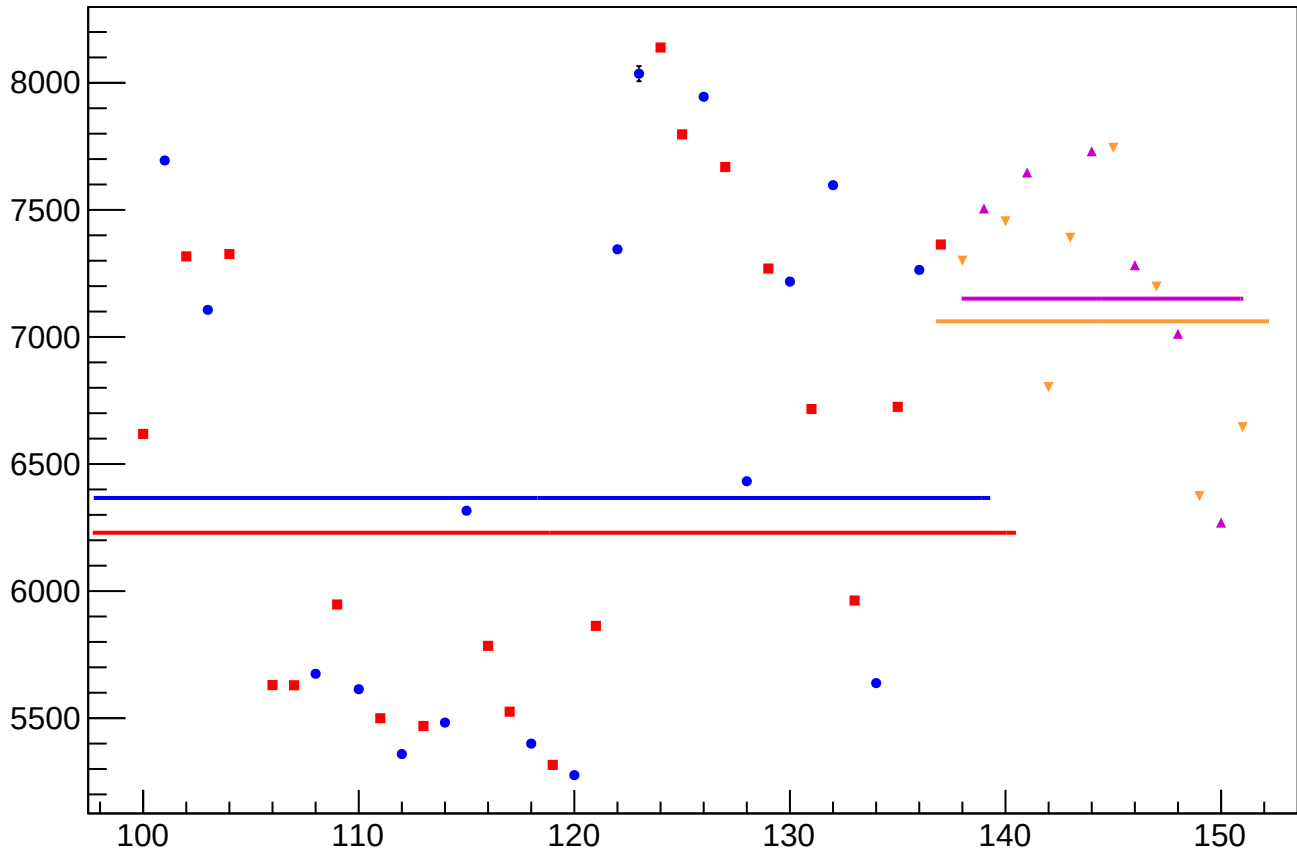
Right Out: -5.223 ± 2.348 χ^2/NDF : 28.2/19

Left In: 11.416 ± 3.271 χ^2/NDF : 7.5/5

8.756 ± 1.902 χ^2/NDF : 62.5/24

0.435 ± 1.908 χ^2/NDF : 52.8/25

diff_bpm0l06X_rms vs Slug



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

Left Out: 7061.521+/-2.089 χ^2/NDF : 46926.0/7

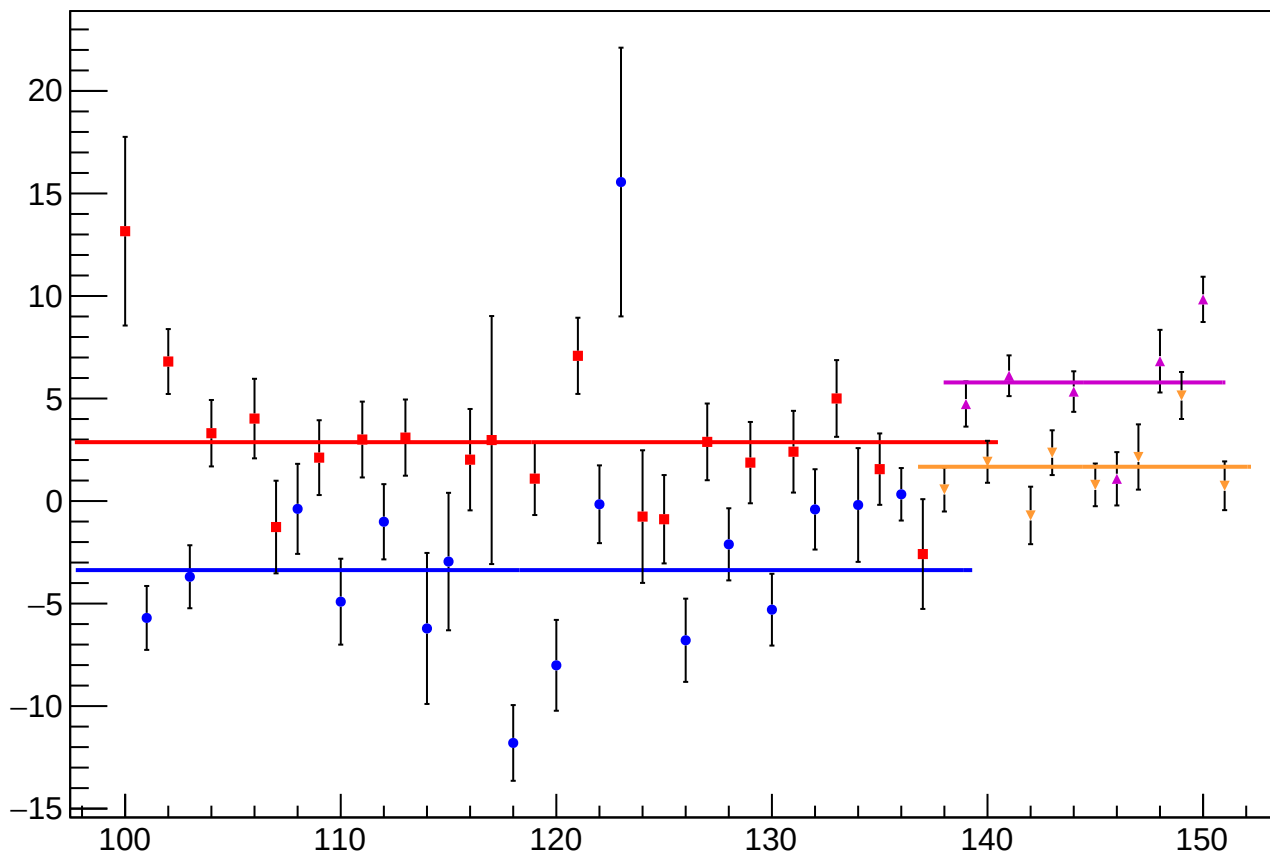
Right Out: 6229.625+/-1.660 χ^2/NDF : 244622.7/19

Left In: 7150.779+/-2.313 χ^2/NDF : 54725.3/5

6654.519+/-1.345 χ^2/NDF : 398240.3/24

6542.873+/-1.349 χ^2/NDF : 404012.6/25

diff_bpm0l06Y_mean vs Slug



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

Left Out: 1.672 ± 0.410 $\chi^2/\text{NDF}: 15.0/7$

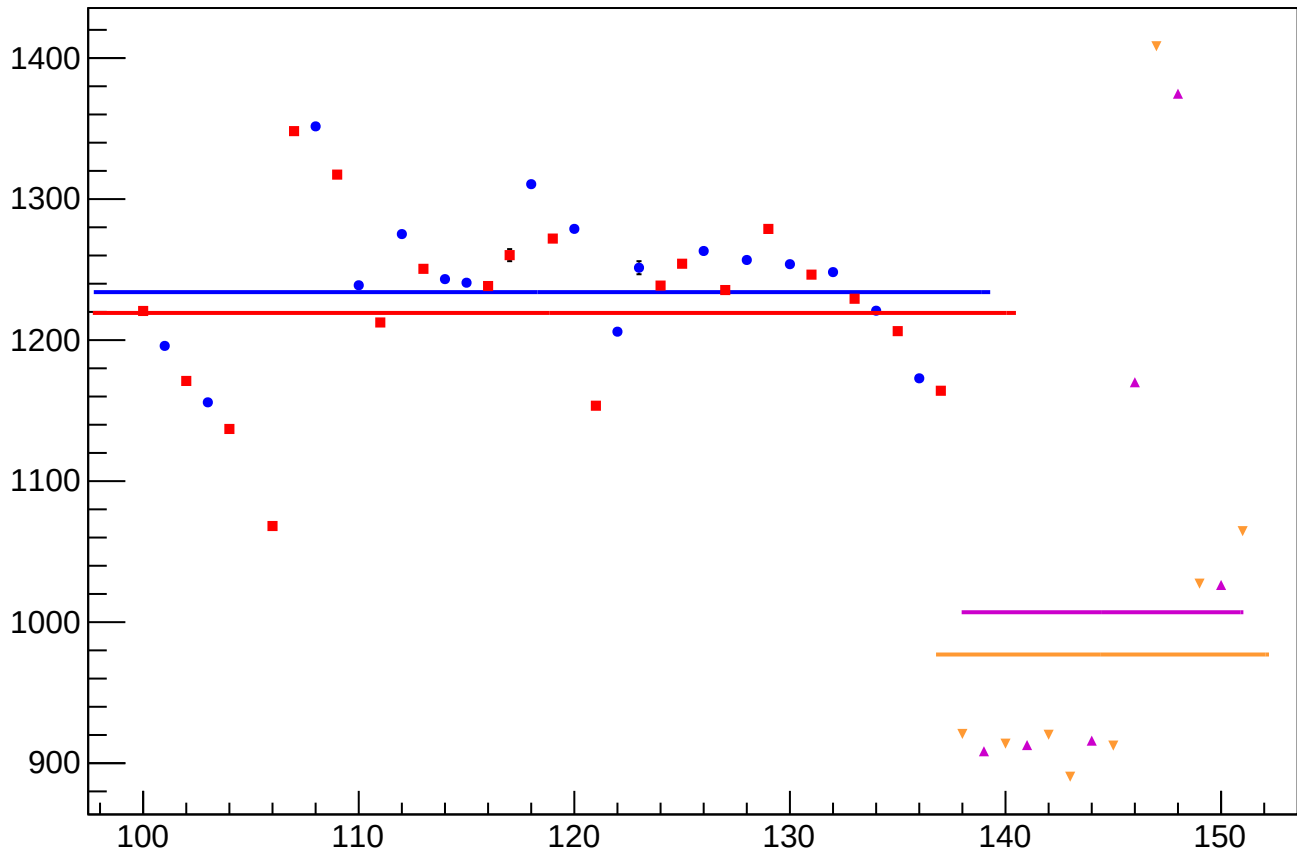
Right Out: 2.871 ± 0.455 $\chi^2/\text{NDF}: 32.0/19$

Left In: 5.784 ± 0.461 $\chi^2/\text{NDF}: 28.2/5$

-0.476 ± 0.310 $\chi^2/\text{NDF}: 139.3/24$

4.308 ± 0.324 $\chi^2/\text{NDF}: 80.5/25$

diff_bpm0l06Y_rms vs Slug



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

Left Out: 977.066 +/- 0.290 χ^2/NDF : 198198.2/7

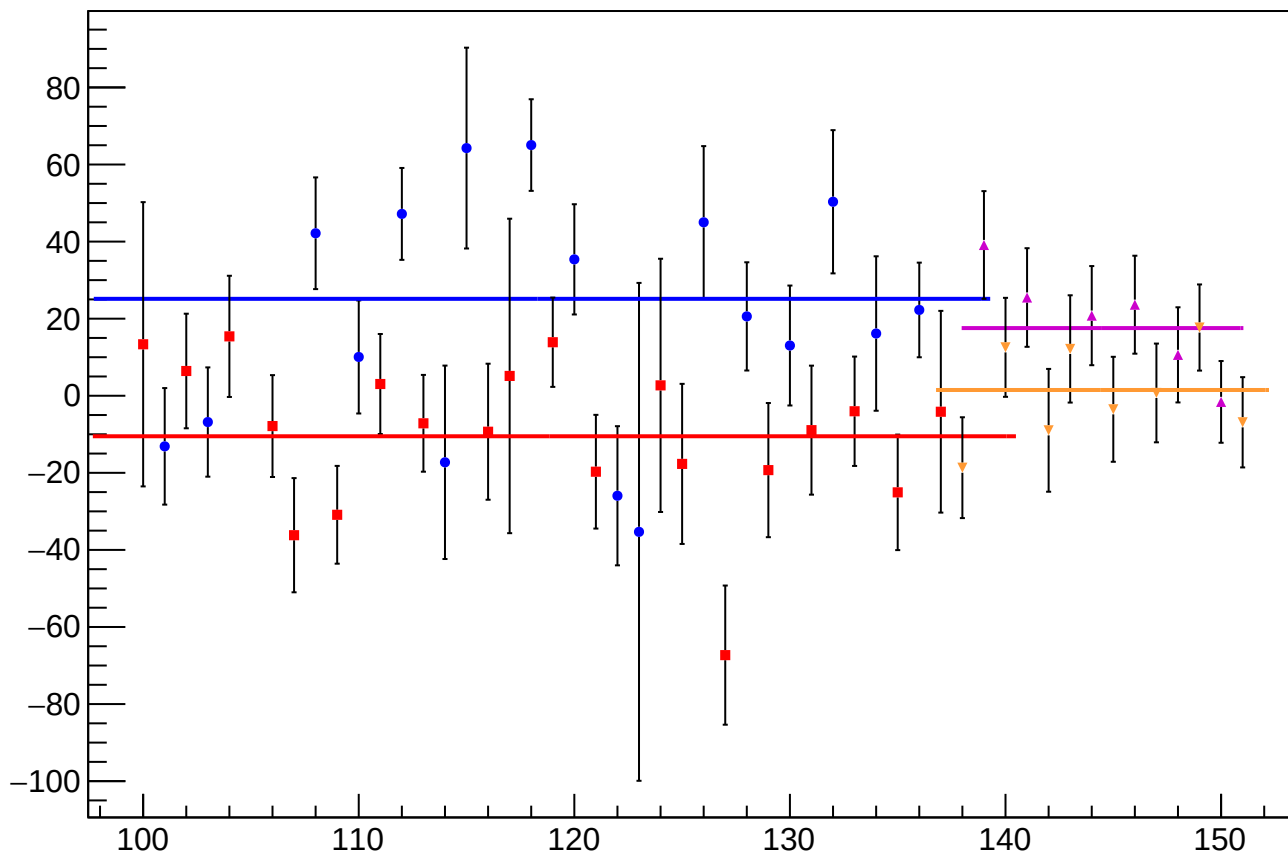
Right Out: 1219.275 +/- 0.322 χ^2/NDF : 40462.8/19

Left In: 1007.036 +/- 0.326 χ^2/NDF : 198926.1/5

1086.599 +/- 0.220 χ^2/NDF : 556848.0/24

1114.564 +/- 0.229 χ^2/NDF : 453981.9/25

diff_bpm0l07X_mean vs Slug



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

Left Out: 1.496+/-4.575 χ^2/NDF : 6.9/7

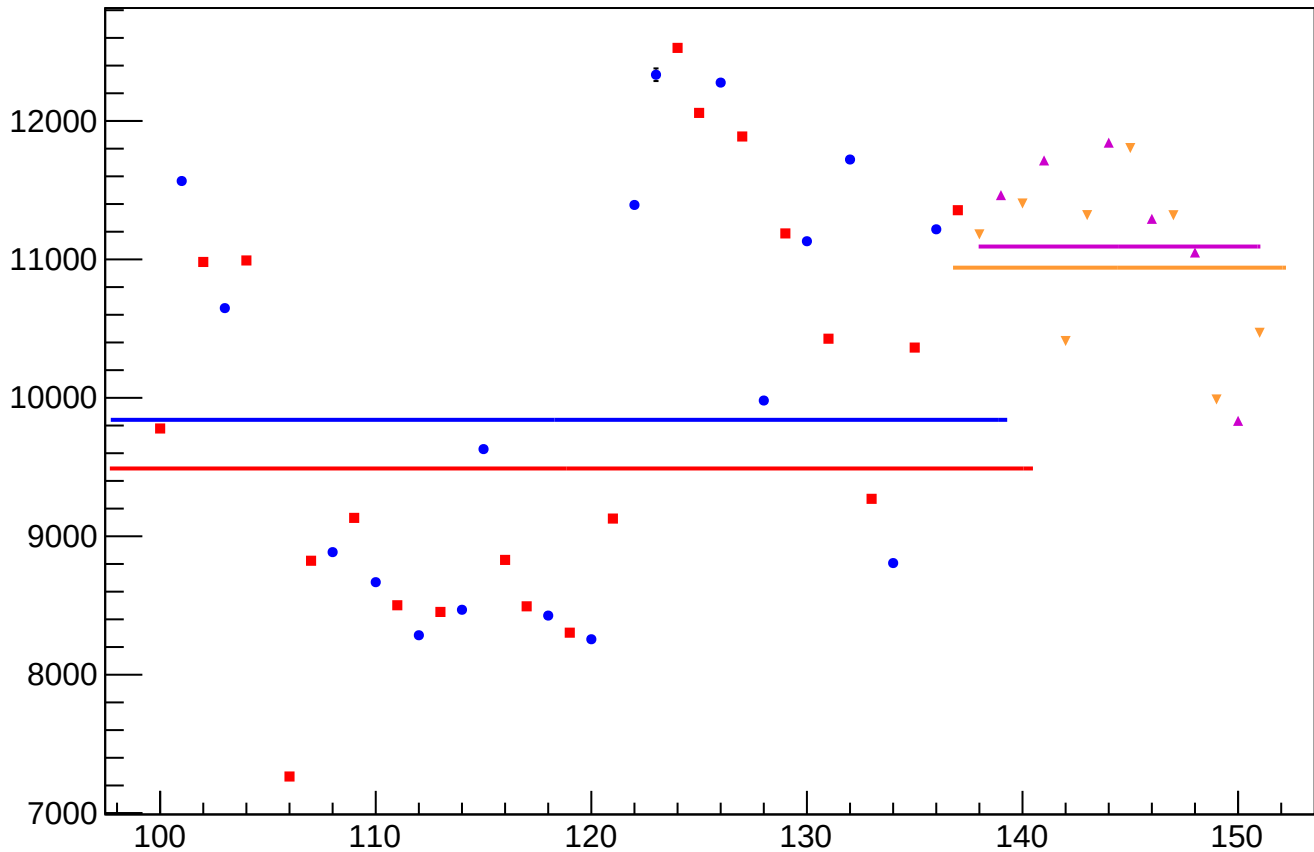
Right Out: -10.513+/-3.581 χ^2/NDF : 27.8/19

Left In: 17.559+/-5.069 χ^2/NDF : 6.6/5

15.380+/-2.940 χ^2/NDF : 69.5/24

-1.167+/-2.925 χ^2/NDF : 54.9/25

diff_bpm0l07X_rms vs Slug



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

Left Out: 10940.361+/-3.235 χ^2/NDF : 34512.3/7

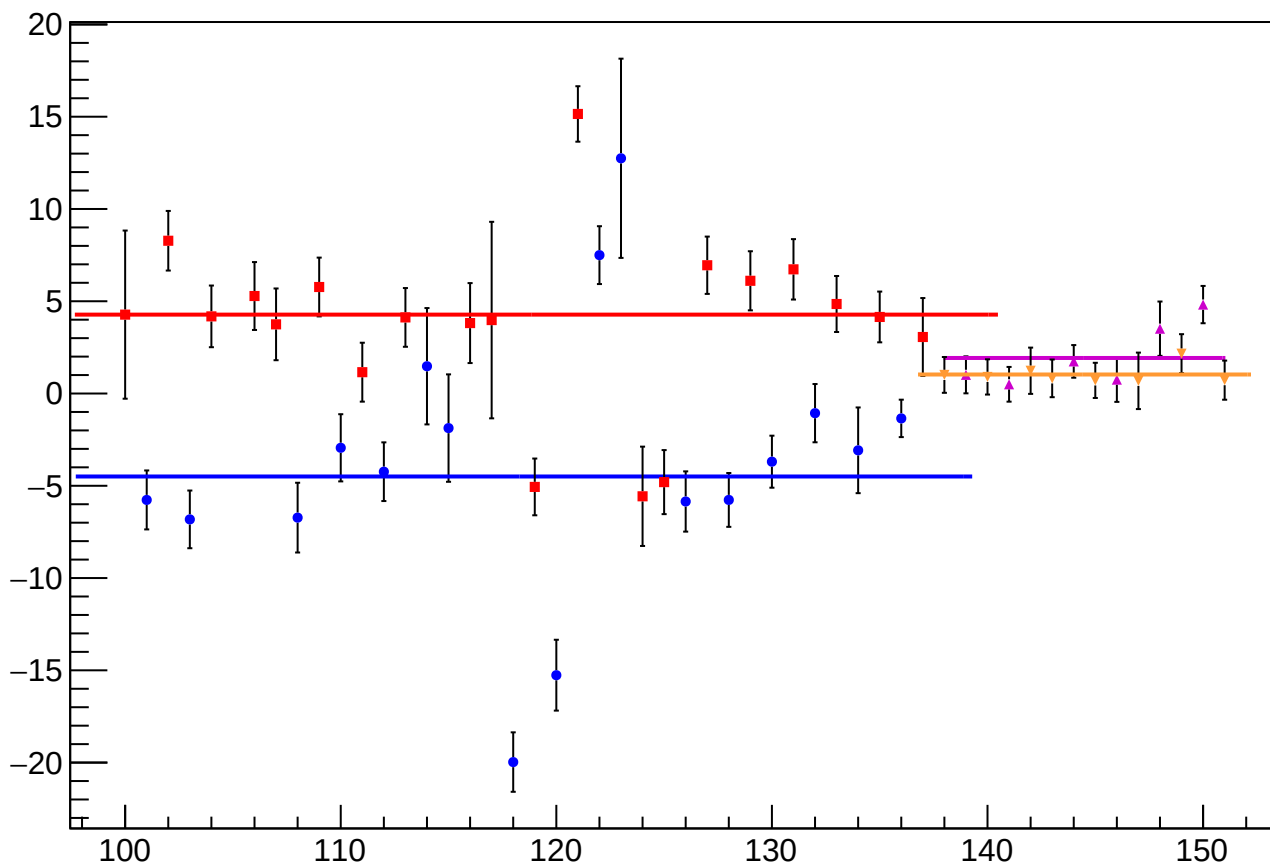
Right Out: 9489.753+/-2.532 χ^2/NDF : 277900.5/19

Left In: 11092.944+/-3.584 χ^2/NDF : 41664.7/5

10295.161+/-2.079 χ^2/NDF : 362350.9/24

10023.475+/-2.068 χ^2/NDF : 453031.3/25

diff_bpm0l07Y_mean vs Slug



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

Left Out: 1.030 ± 0.376 χ^2/NDF : 1.5/7

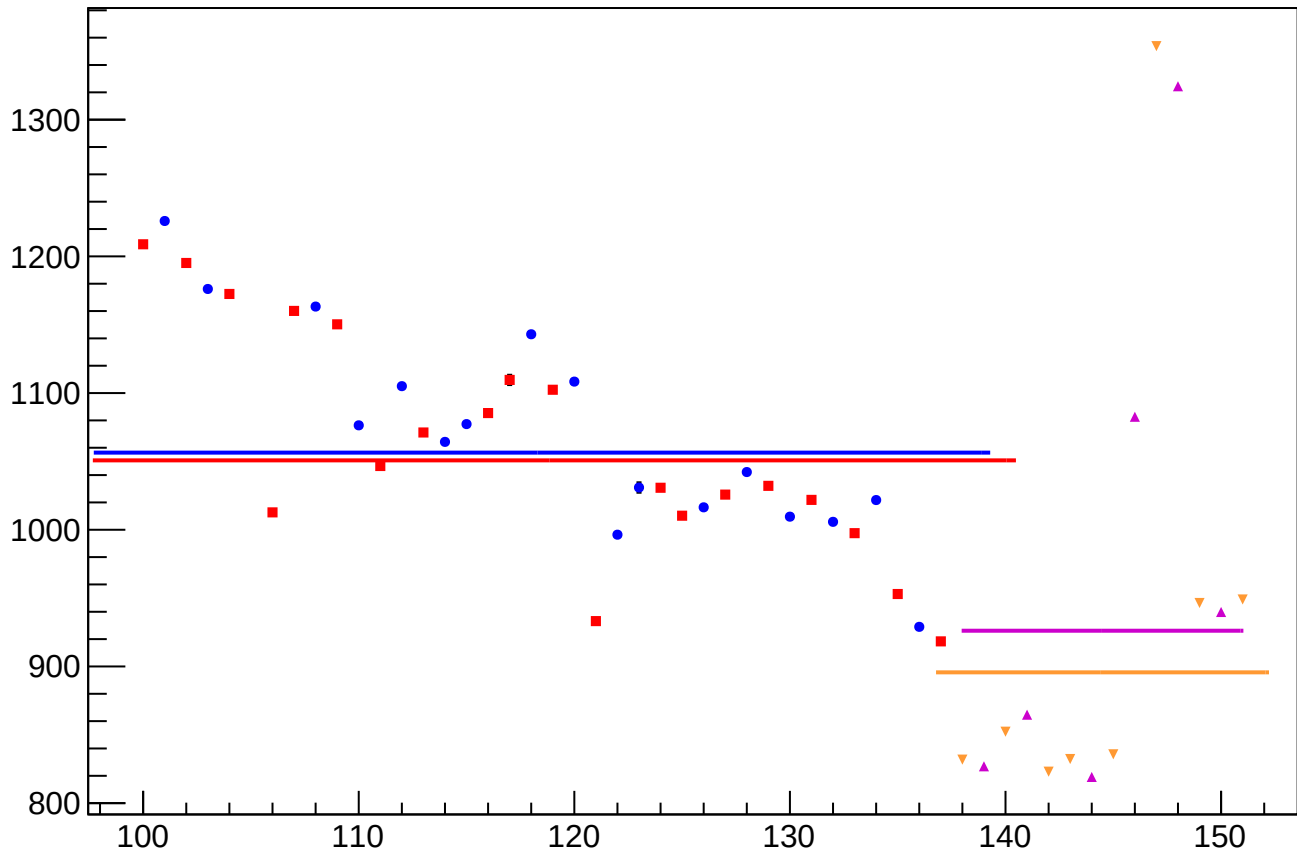
Right Out: 4.275 ± 0.393 χ^2/NDF : 148.2/19

Left In: 1.926 ± 0.425 χ^2/NDF : 13.5/5

-1.507 ± 0.277 χ^2/NDF : 319.0/24

3.193 ± 0.289 χ^2/NDF : 178.2/25

diff_bpm0l07Y_rms vs Slug



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

Left Out: 895.690+/-0.266 χ^2/NDF : 224085.4/7

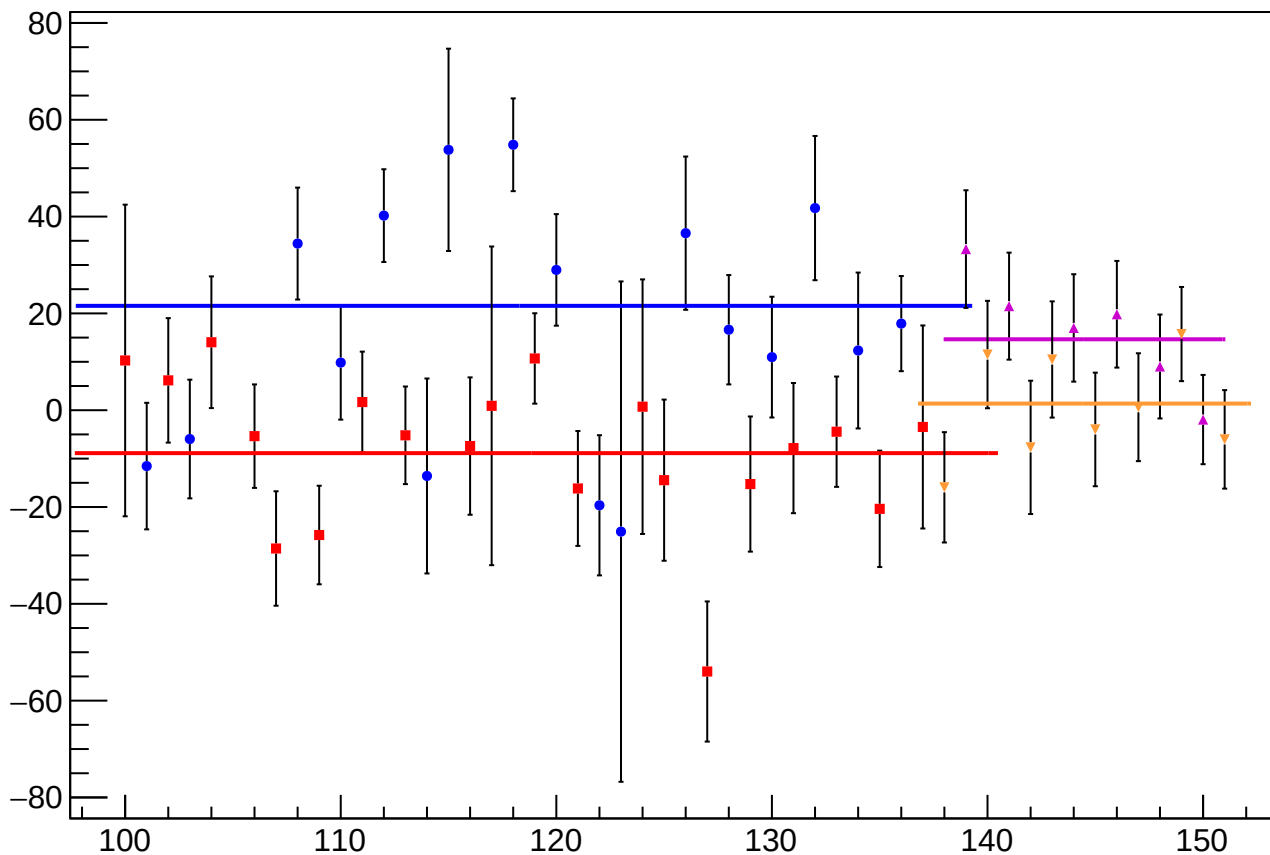
Right Out: 1050.765+/-0.278 χ^2/NDF : 82642.2/19

Left In: 926.139+/-0.301 χ^2/NDF : 237918.9/5

969.500+/-0.196 χ^2/NDF : 482621.9/24

993.372+/-0.204 χ^2/NDF : 413263.7/25

diff_bpm0l08X_mean vs Slug



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

Left Out: 1.370+/-3.966 χ^2 /NDF: 7.1/7

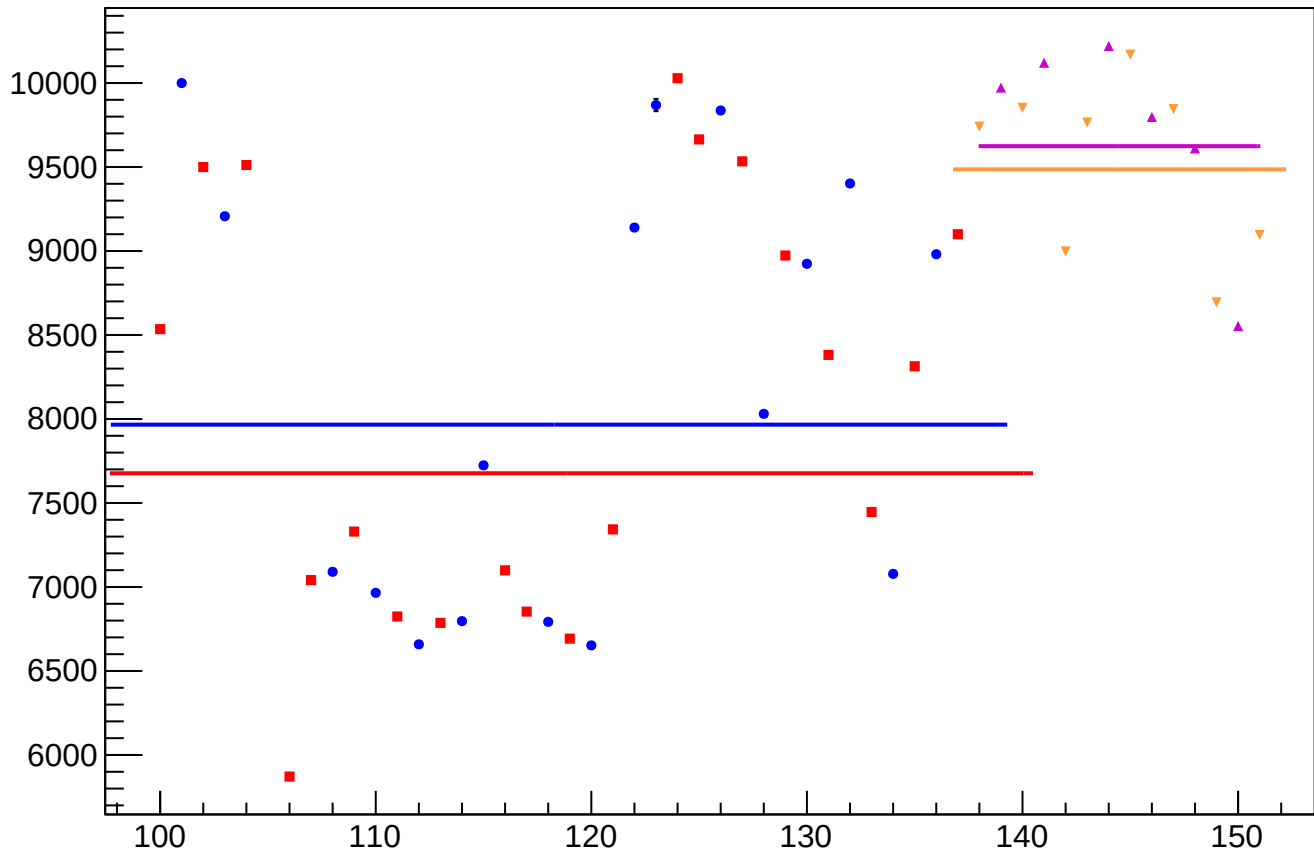
Right Out: -8.867+/-2.901 χ^2 /NDF: 27.5/19

Left In: 14.653+/-4.396 χ^2 /NDF: 6.5/5

13.872+/-2.447 χ^2 /NDF: 71.5/24

-1.734+/-2.421 χ^2 /NDF: 54.0/25

diff_bpm0l08X_rms vs Slug



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

Left Out: 9486.045+/-2.804 χ^2/NDF : 31807.4/7

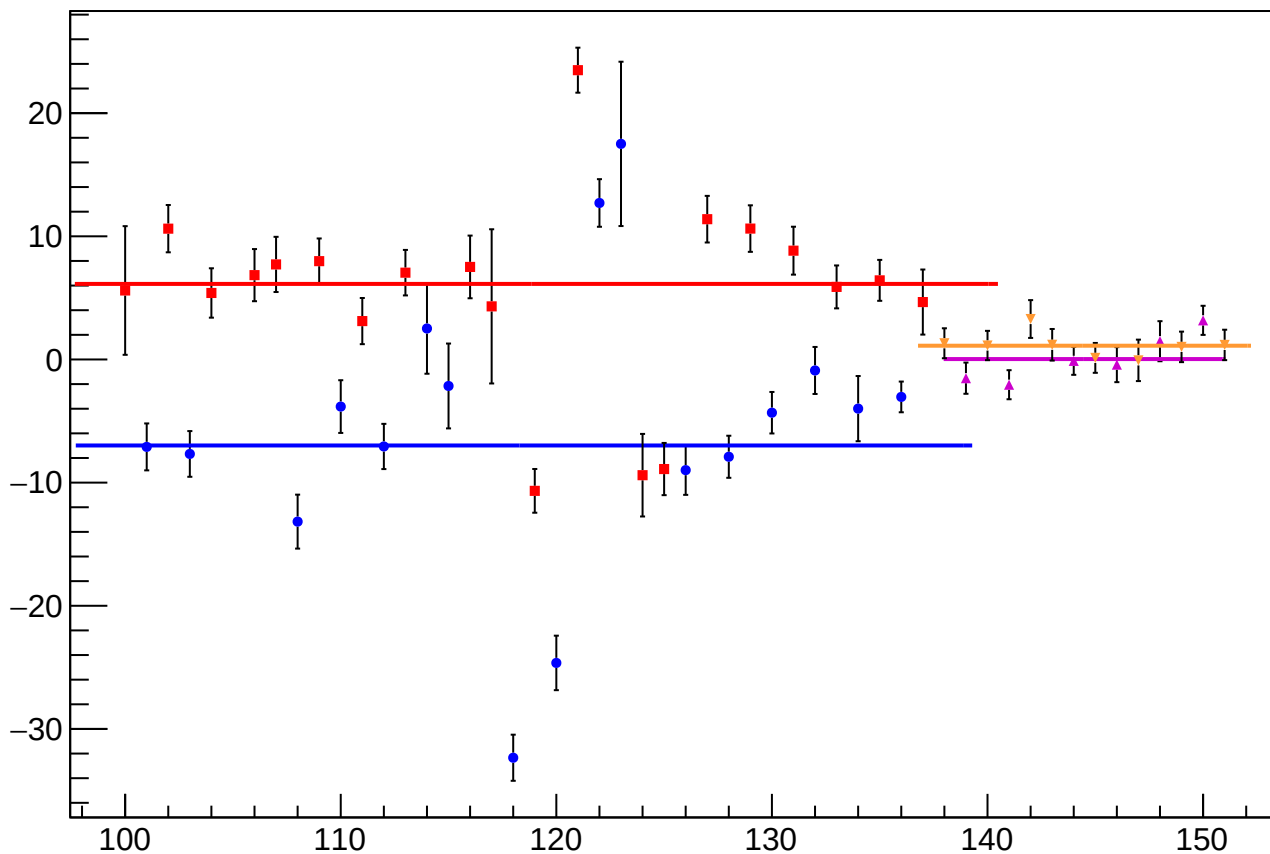
Right Out: 7677.035+/-2.051 χ^2/NDF : 316295.2/19

Left In: 9624.082+/-3.109 χ^2/NDF : 38901.5/5

8545.139+/-1.731 χ^2/NDF : 510233.8/24

8267.545+/-1.712 χ^2/NDF : 628519.3/25

diff_bpm0l08Y_mean vs Slug



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

Left Out: 1.117 ± 0.459 χ^2/NDF : 3.2/7

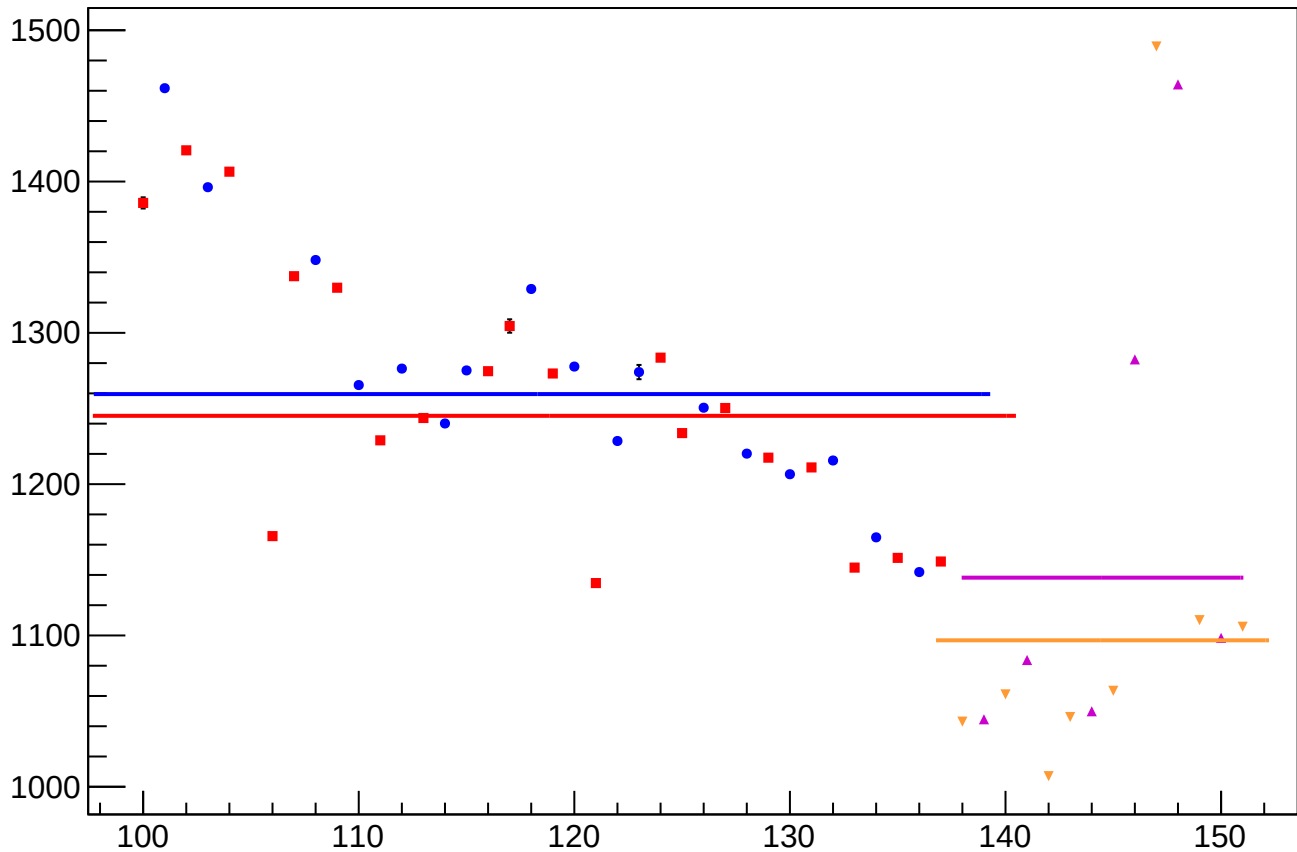
Right Out: 6.135 ± 0.465 χ^2/NDF : 277.6/19

Left In: 0.033 ± 0.519 χ^2/NDF : 12.6/5

-2.697 ± 0.334 χ^2/NDF : 558.6/24

3.417 ± 0.347 χ^2/NDF : 366.8/25

diff_bpm0l08Y_rms vs Slug



Right In: 1259.531 ± 0.344 $\chi^2/\text{NDF}: 64844.4/16$

Left Out: 1096.791 ± 0.324 $\chi^2/\text{NDF}: 126307.7/7$

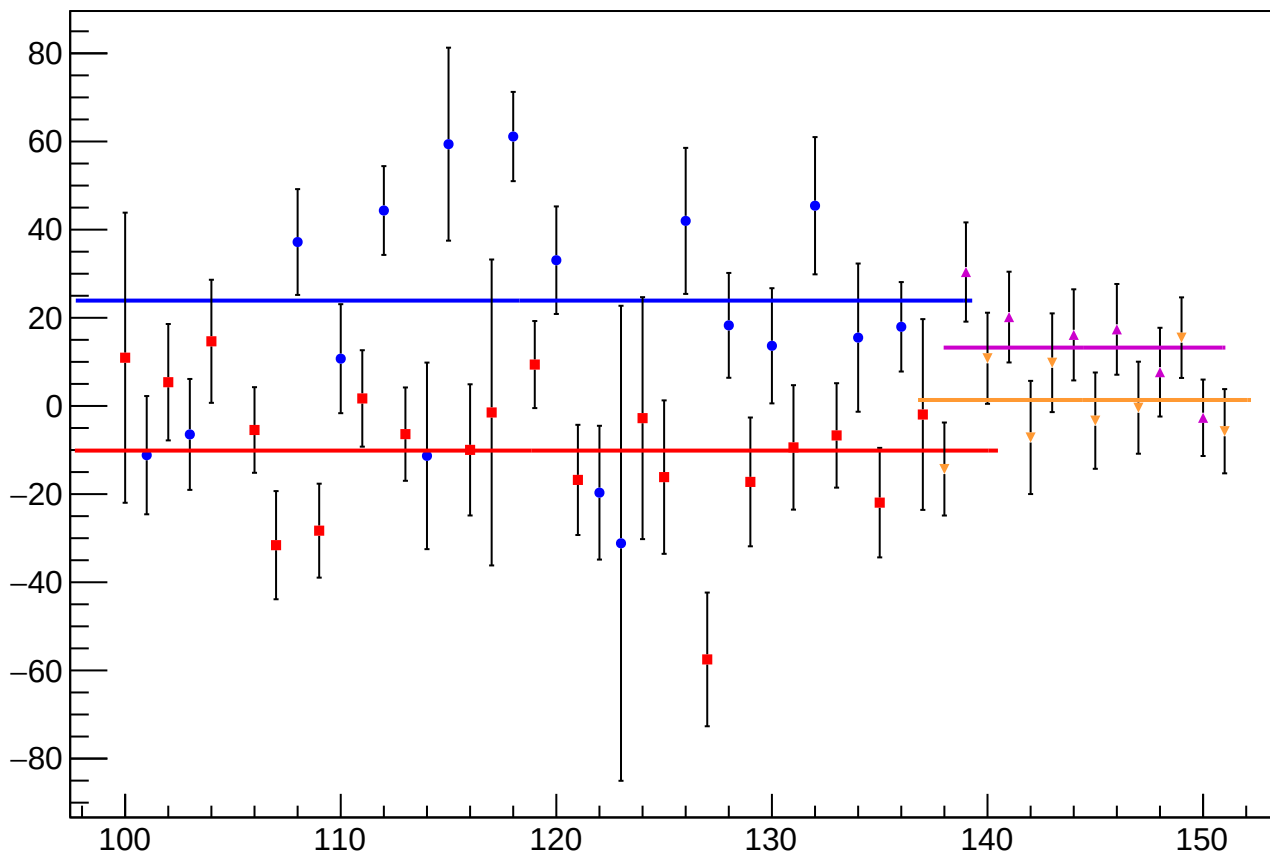
Right Out: 1245.167 ± 0.329 $\chi^2/\text{NDF}: 67006.8/19$

Left In: 1138.201 ± 0.367 $\chi^2/\text{NDF}: 130485.3/5$

1173.419 ± 0.236 $\chi^2/\text{NDF}: 309726.7/24$

1197.531 ± 0.245 $\chi^2/\text{NDF}: 244548.8/25$

diff_bpm0l09X_mean vs Slug



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

Left Out: 1.354 ± 3.705 $\chi^2/\text{NDF}: 7.2/7$

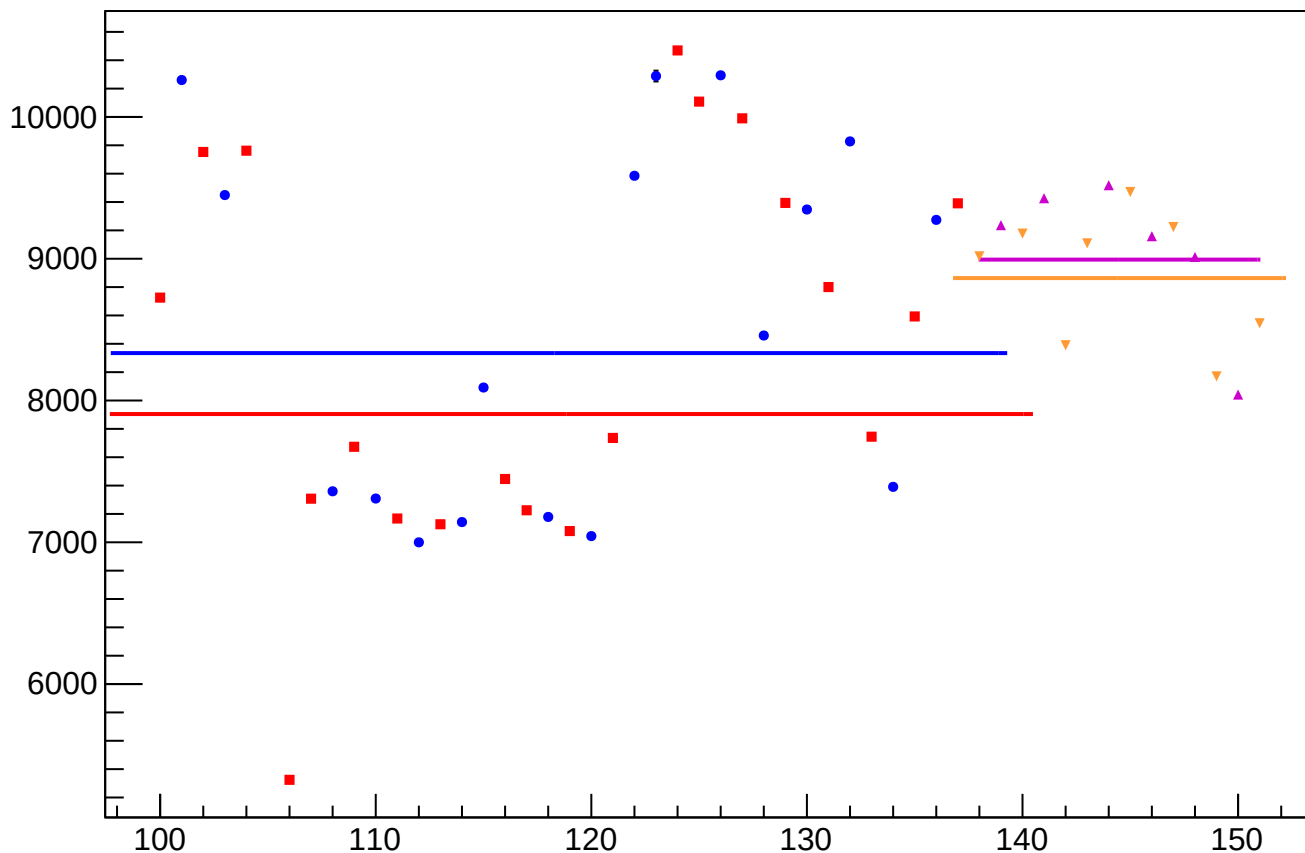
Right Out: -10.125 ± 2.994 $\chi^2/\text{NDF}: 28.0/19$

Left In: 13.239 ± 4.107 $\chi^2/\text{NDF}: 6.7/5$

14.096 ± 2.443 $\chi^2/\text{NDF}: 80.6/24$

-2.015 ± 2.419 $\chi^2/\text{NDF}: 55.8/25$

diff_bpm0l09X_rms vs Slug



Right In: 8334.507 $\pm$ 2.299 χ^2 /NDF: 272302.6/16

Left Out: 8863.584 $\pm$ 2.620 χ^2 /NDF: 28238.3/7

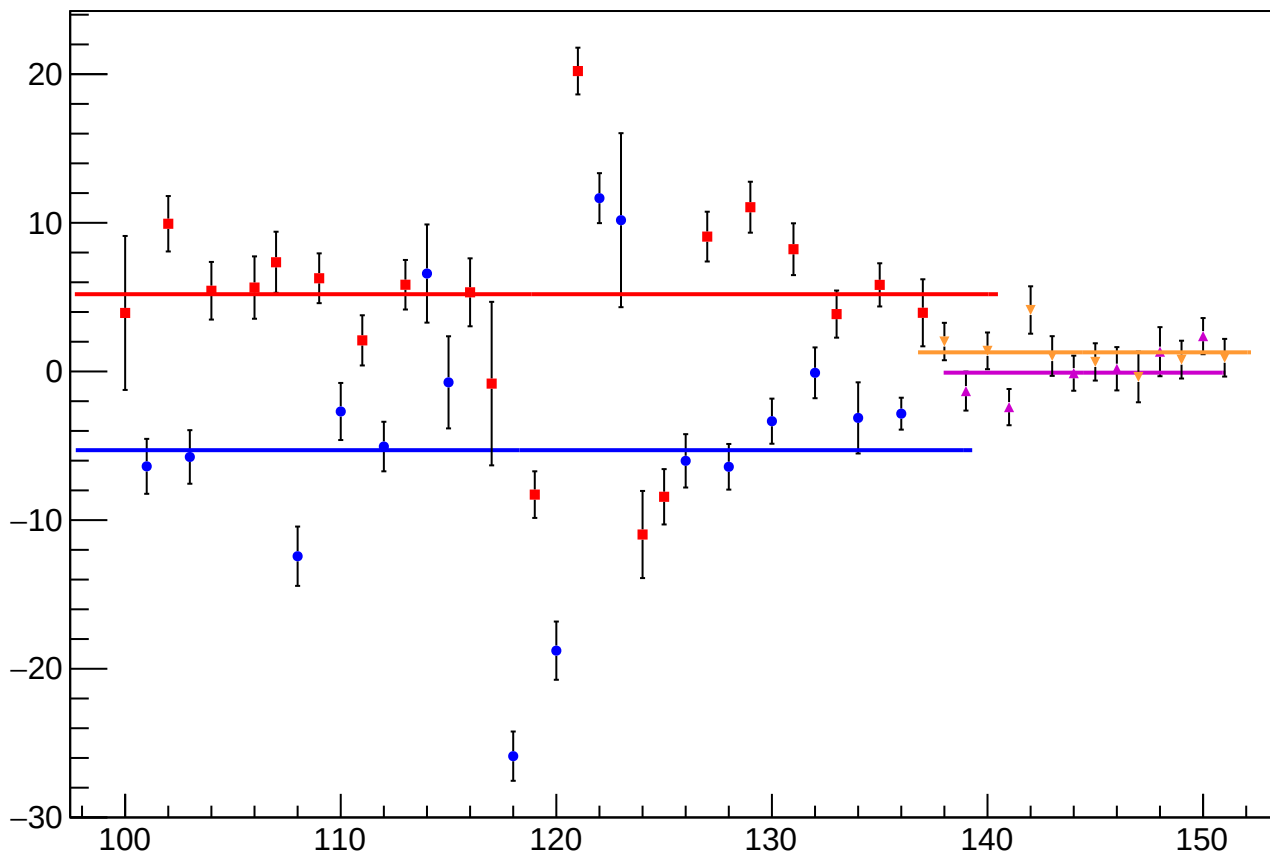
Right Out: 7904.529 $\pm$ 2.117 χ^2 /NDF: 391589.9/19

Left In: 8993.809 $\pm$ 2.904 χ^2 /NDF: 34250.2/5

8564.643 $\pm$ 1.728 χ^2 /NDF: 323587.7/24

8282.635 $\pm$ 1.711 χ^2 /NDF: 517709.8/25

diff_bpm0l09Y_mean vs Slug



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

Left Out: 1.287 ± 0.473 χ^2/NDF : 5.0/7

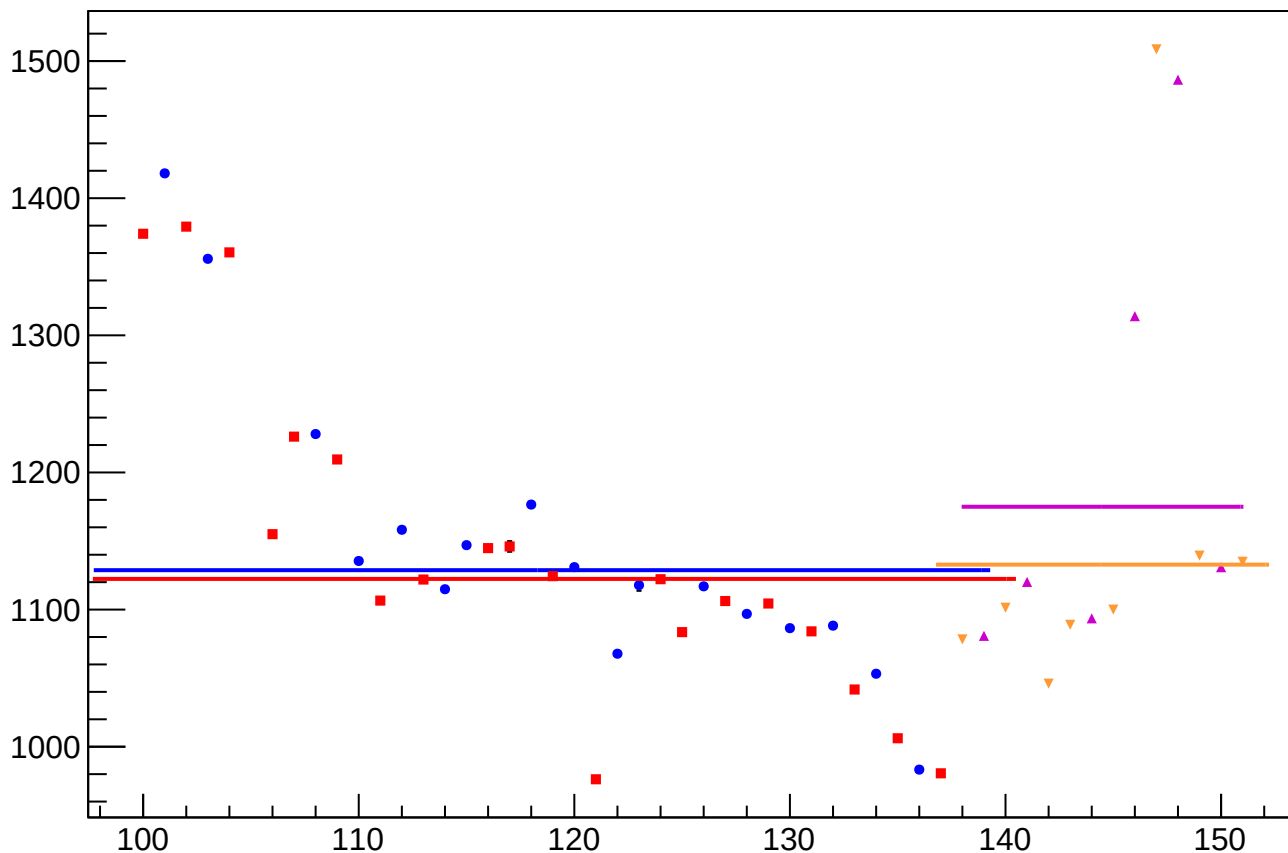
Right Out: 5.198 ± 0.420 χ^2/NDF : 283.1/19

Left In: -0.081 ± 0.536 χ^2/NDF : 9.4/5

-2.268 ± 0.321 χ^2/NDF : 467.6/24

3.186 ± 0.331 χ^2/NDF : 352.5/25

diff_bpm0l09Y_rms vs Slug



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

Left Out: 1132.786+/-0.335 χ^2/NDF : 111756.8/7

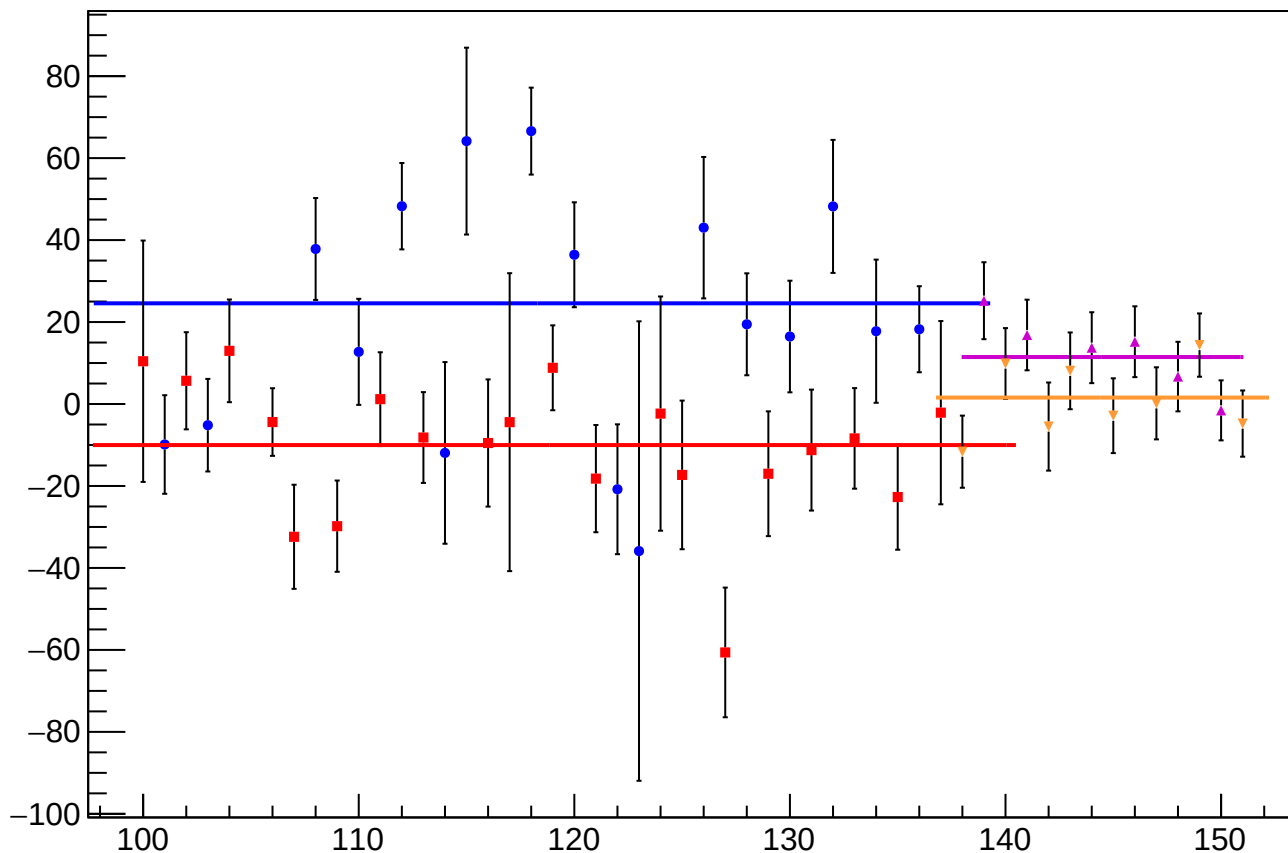
Right Out: 1122.377+/-0.297 χ^2/NDF : 129638.9/19

Left In: 1174.995+/-0.379 χ^2/NDF : 115846.1/5

1130.601+/-0.227 χ^2/NDF : 244932.5/24

1142.435+/-0.234 χ^2/NDF : 257427.2/25

diff_bpm0l10X_mean vs Slug



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

Left Out: 1.570 ± 3.110 χ^2/NDF : 7.7/7

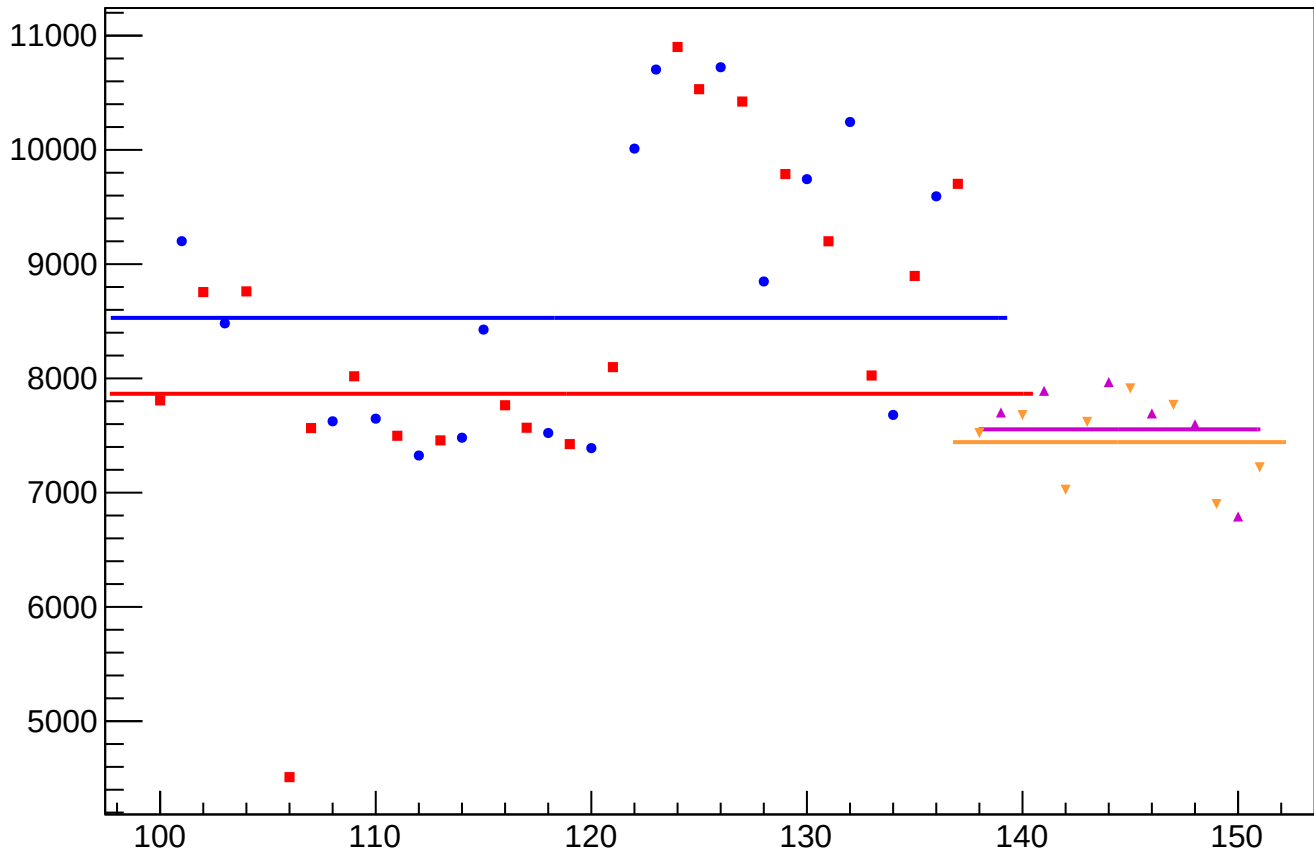
Right Out: -10.019 ± 2.997 χ^2/NDF : 28.8/19

Left In: 11.462 ± 3.448 χ^2/NDF : 6.3/5

12.325 ± 2.269 χ^2/NDF : 91.4/24

-0.773 ± 2.262 χ^2/NDF : 57.2/25

diff_bpm0l10X_rms vs Slug



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

Left Out: 7442.270+/-2.199 χ^2/NDF : 24790.0/7

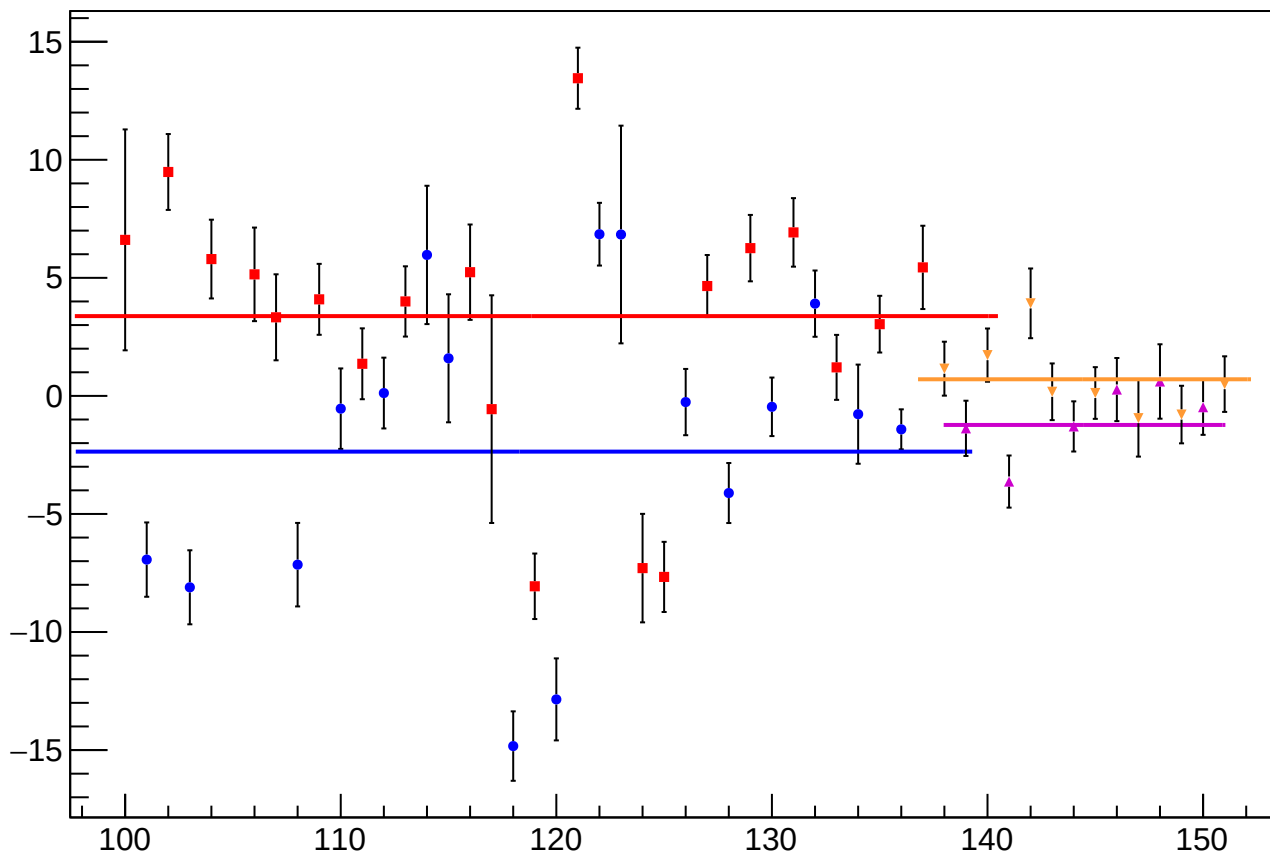
Right Out: 7865.549+/-2.119 χ^2/NDF : 555976.4/19

Left In: 7554.174+/-2.438 χ^2/NDF : 30412.8/5

7950.826+/-1.605 χ^2/NDF : 347494.2/24

7731.525+/-1.600 χ^2/NDF : 595679.0/25

diff_bpm0l10Y_mean vs Slug



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

Left Out: 0.704 ± 0.434 χ^2/NDF : 8.8/7

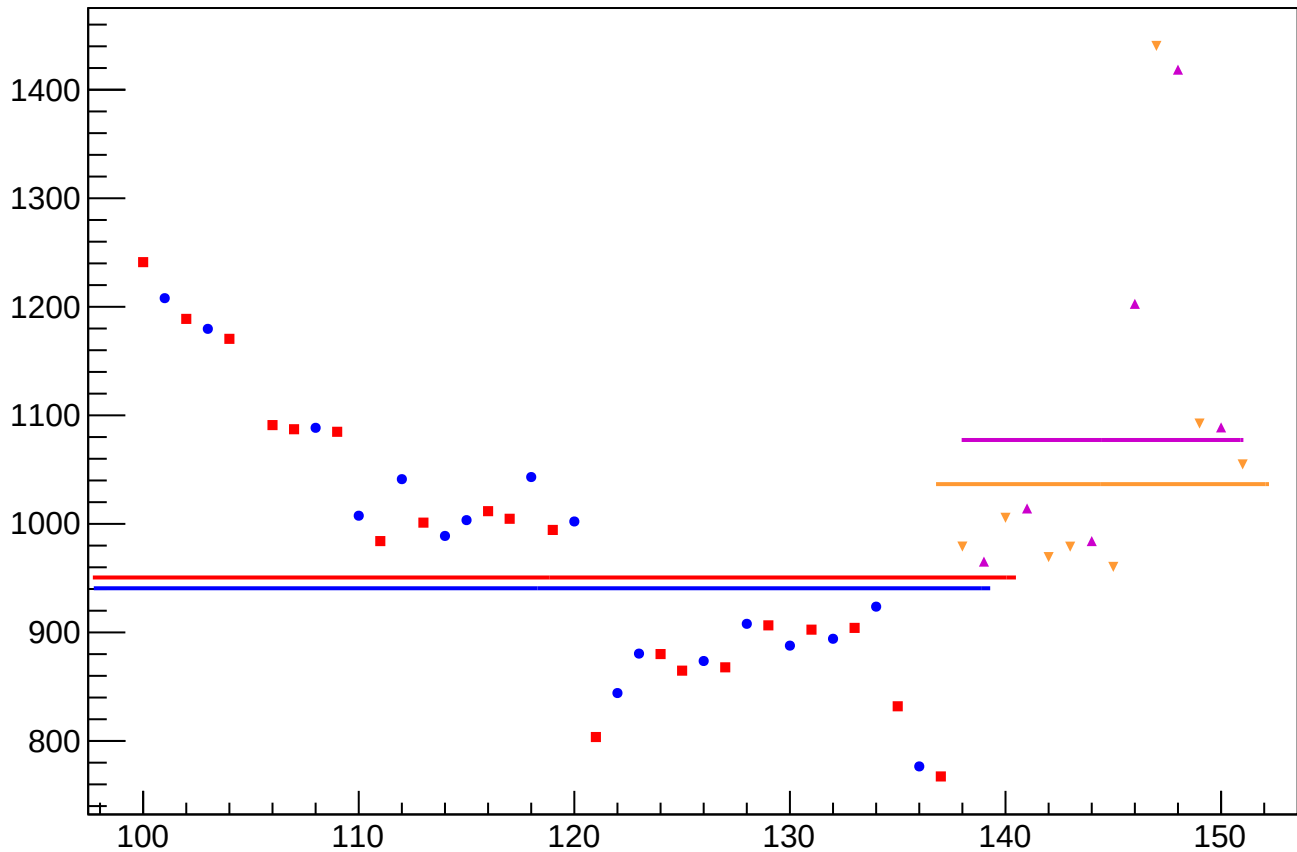
Right Out: 3.379 ± 0.357 χ^2/NDF : 242.1/19

Left In: -1.230 ± 0.492 χ^2/NDF : 7.8/5

-1.088 ± 0.280 χ^2/NDF : 269.9/24

1.789 ± 0.289 χ^2/NDF : 307.3/25

diff_bpm0l10Y_rms vs Slug



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

Left Out: 1036.635 $\pm$ 0.307 χ^2/NDF :152714.9/7

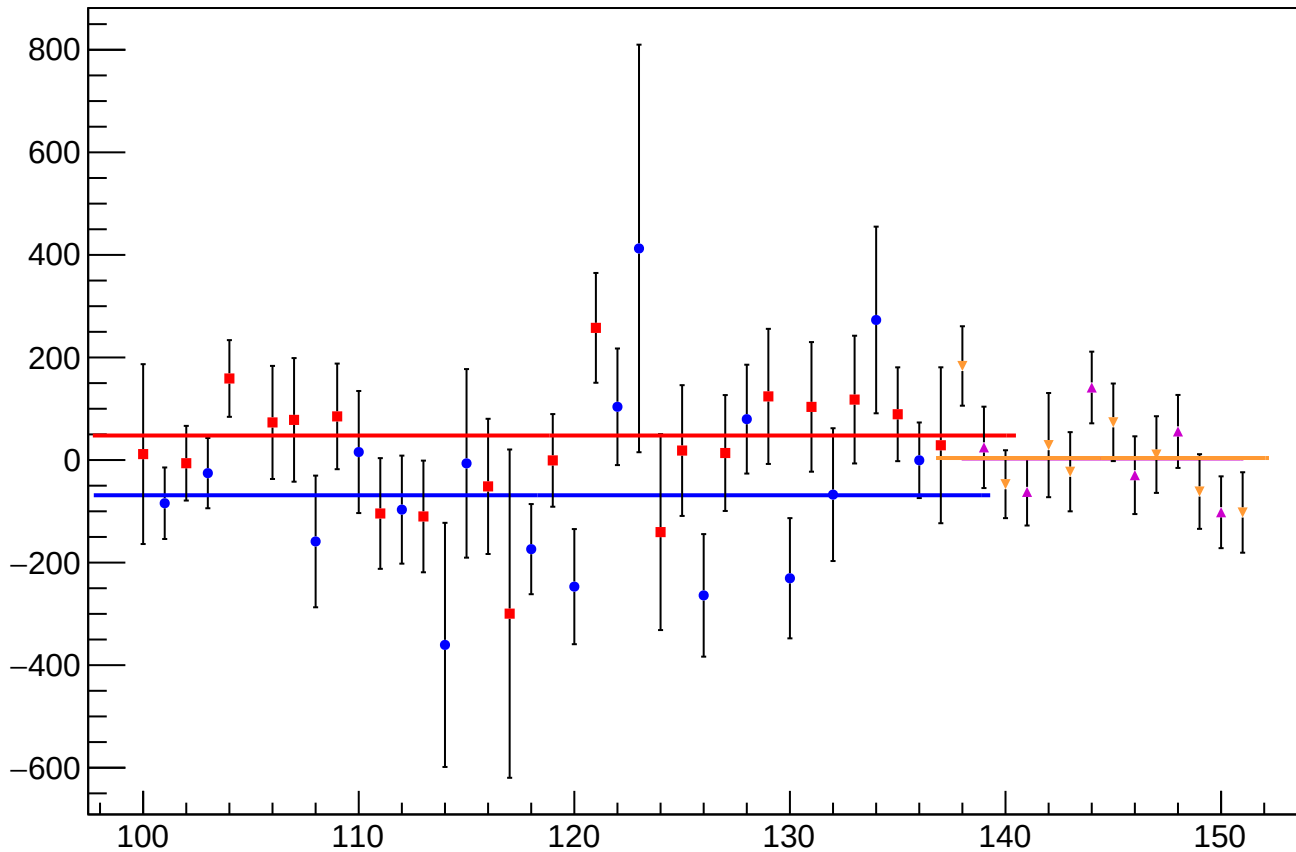
Right Out: 950.615 $\pm$ 0.253 χ^2/NDF : 220931.3/19

Left In: 1077.299 $\pm$ 0.348 χ^2/NDF :151835.4/5

980.518 $\pm$ 0.198 χ^2/NDF : 451690.9/24

994.327 $\pm$ 0.204 χ^2/NDF : 459563.5/25

diff_bpm0r03X_mean vs Slug



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

Left Out: 3.945 ± 27.073 χ^2/NDF : 9.6/7

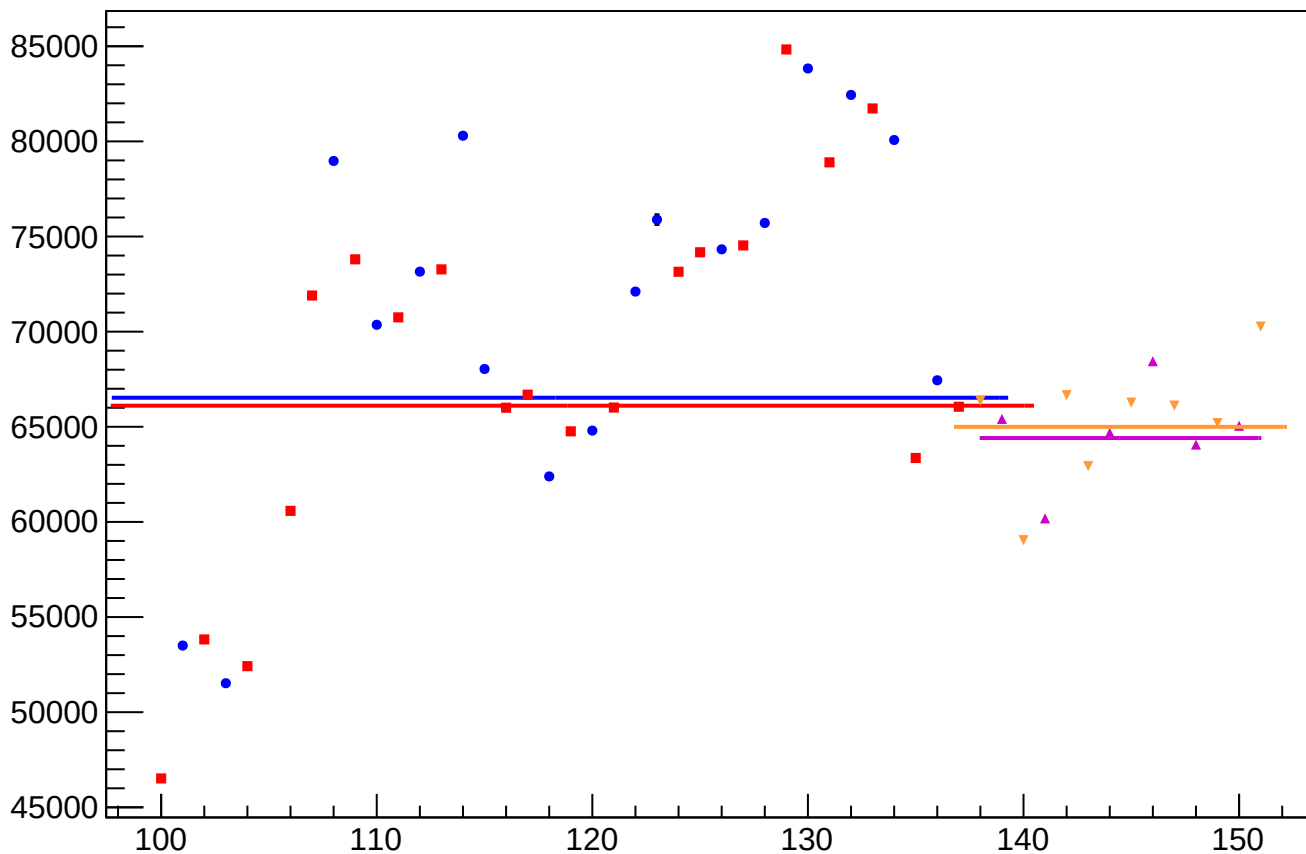
Right Out: 47.835 ± 24.944 χ^2/NDF : 15.2/19

Left In: 3.011 ± 29.215 χ^2/NDF : 8.0/5

-33.915 ± 18.732 χ^2/NDF : 35.2/24

28.937 ± 18.970 χ^2/NDF : 24.5/25

diff_bpm0r03X_rms vs Slug



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

Left Out: 64996.145+/-19.144 χ^2/NDF : 28832.4/7

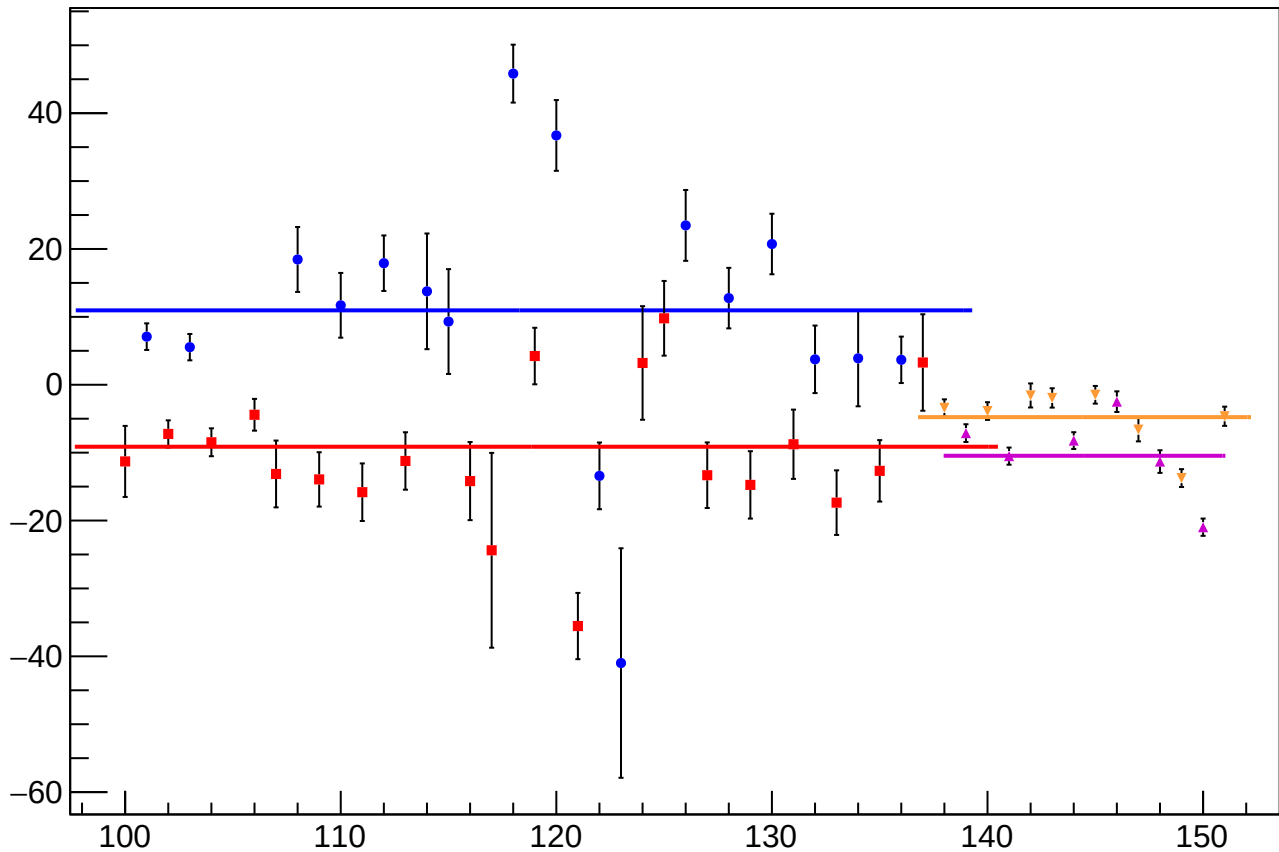
Right Out: 66109.383+/-17.638 χ^2/NDF : 298491.9/19

Left In: 64408.949+/-20.658 χ^2/NDF : 14536.8/5

65794.238+/-13.246 χ^2/NDF : 353054.0/24

65392.452+/-13.414 χ^2/NDF : 316947.5/25

diff_bpm0r03Y_mean vs Slug



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

Left Out: -4.767 ± 0.498 χ^2/NDF : 63.0/7

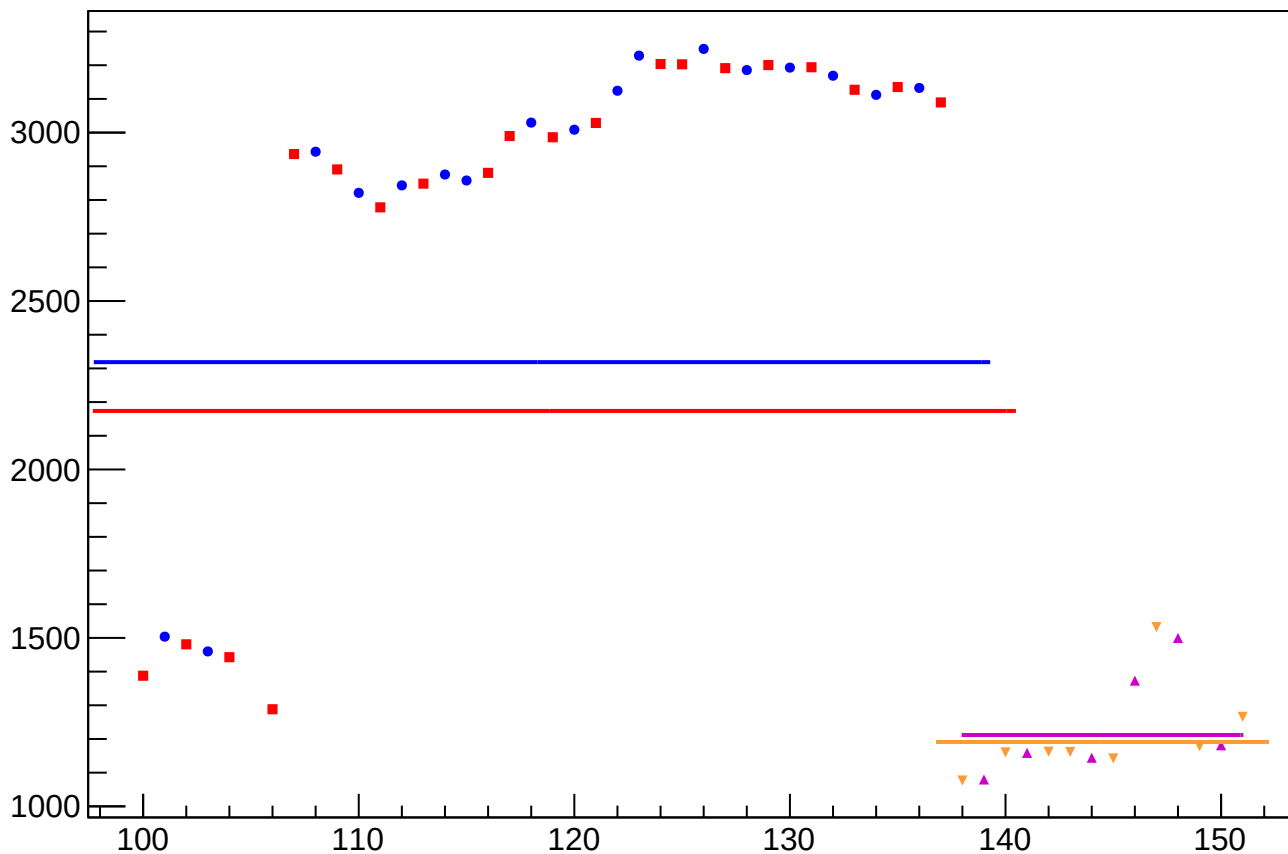
Right Out: -9.127 ± 0.865 χ^2/NDF : 74.2/19

Left In: -10.460 ± 0.552 χ^2/NDF : 106.0/5

-1.343 ± 0.440 χ^2/NDF : 441.3/24

-10.074 ± 0.465 χ^2/NDF : 181.9/25

diff_bpm0r03Y_rms vs Slug



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

Left Out: 1191.175+/-0.352 χ^2/NDF :105233.4/7

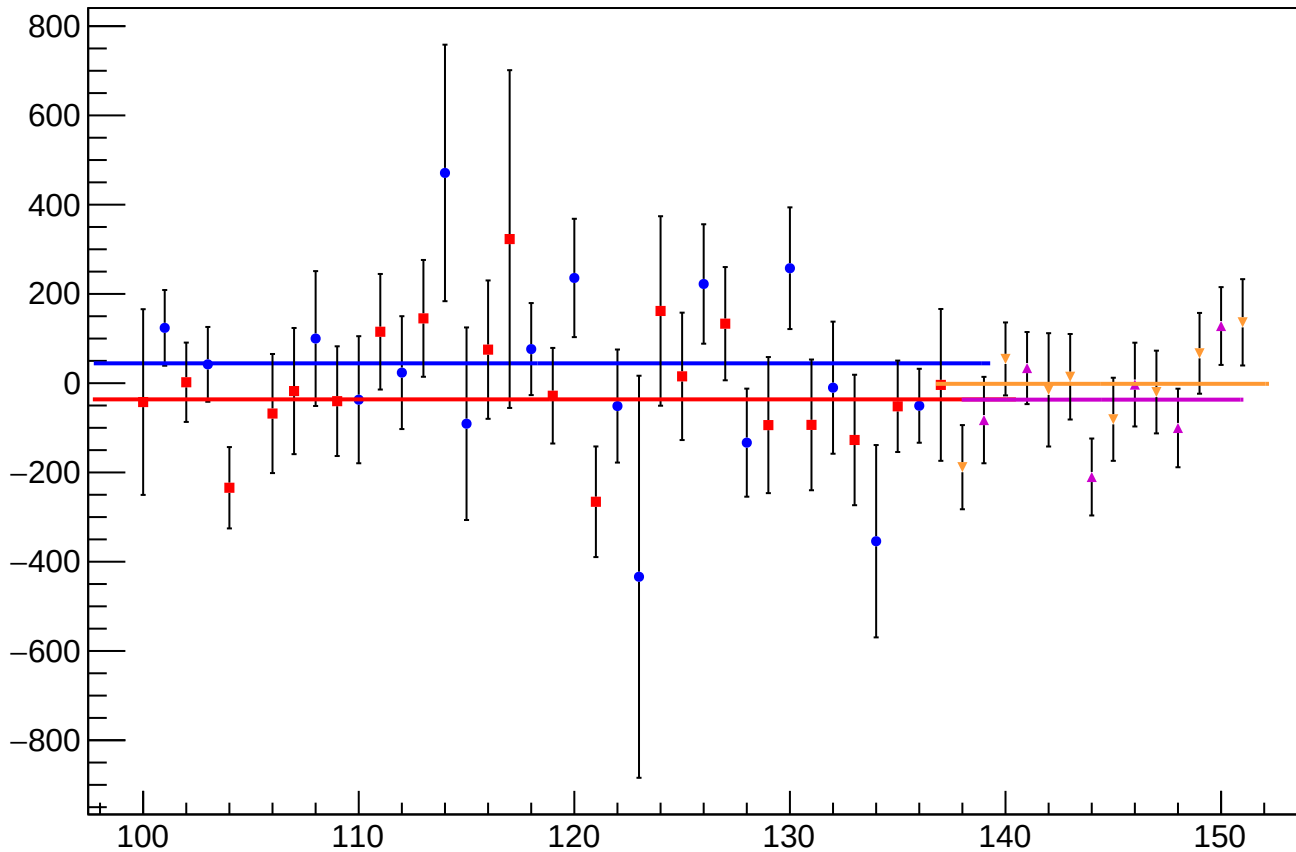
Right Out: 2173.762+/-0.611 χ^2/NDF : 1760181.2/19

Left In: 1211.839+/-0.391 χ^2/NDF :113220.7/5

1436.709+/-0.311 χ^2/NDF : 3748967.5/24

1490.542+/-0.329 χ^2/NDF : 3631050.1/25

diff_bpm0r05X_mean vs Slug



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

Left Out: -1.423 $\pm$ 33.448 χ^2 /NDF: 7.8/7

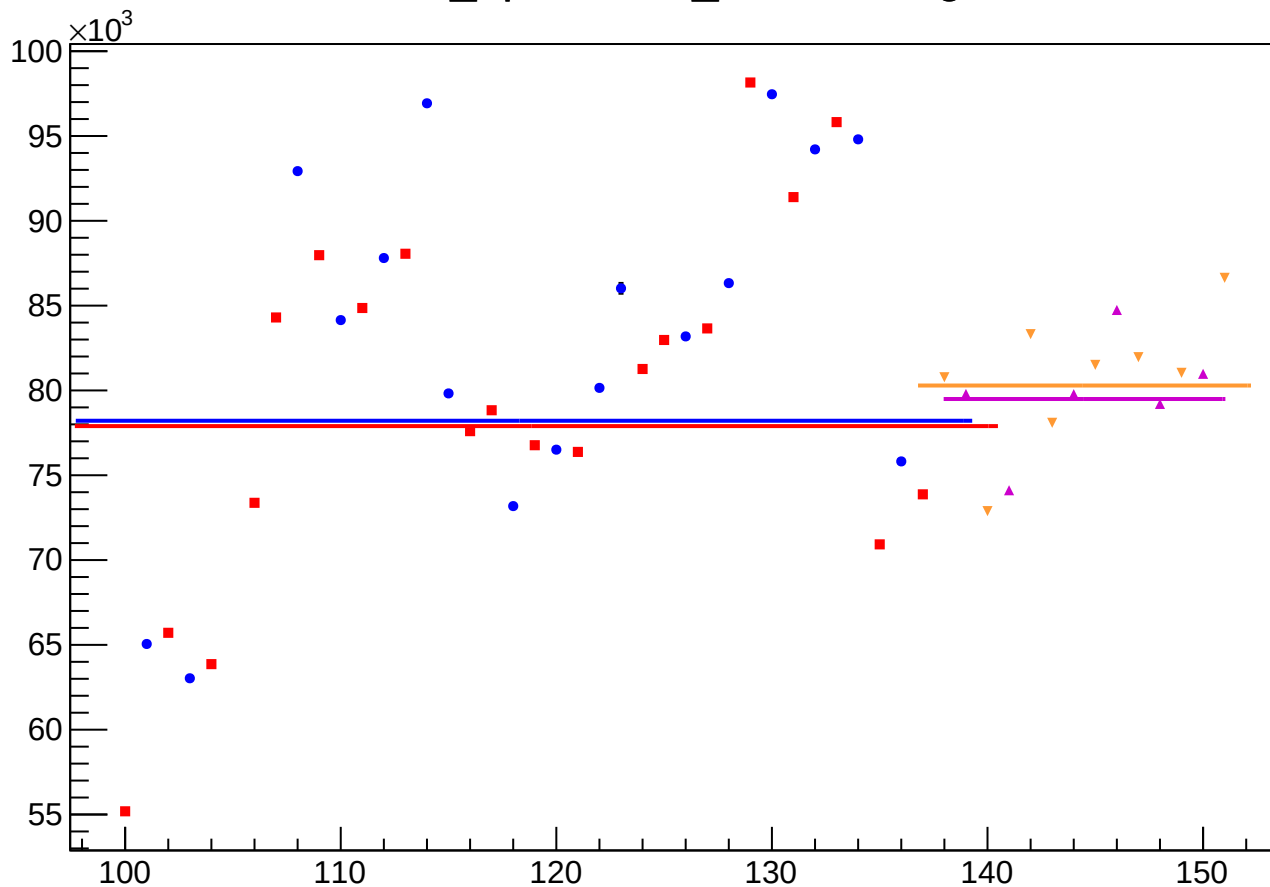
Right Out: -36.251 $\pm$ 29.346 χ^2 /NDF: 16.7/19

Left In: -36.879 $\pm$ 36.065 χ^2 /NDF: 9.3/5

23.693 $\pm$ 22.510 χ^2 /NDF: 27.9/24

-36.502 $\pm$ 22.763 χ^2 /NDF: 25.9/25

diff_bpm0r05X_rms vs Slug



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

Left Out: 80290.081 ± 23.651 χ^2/NDF : 28404.0/7

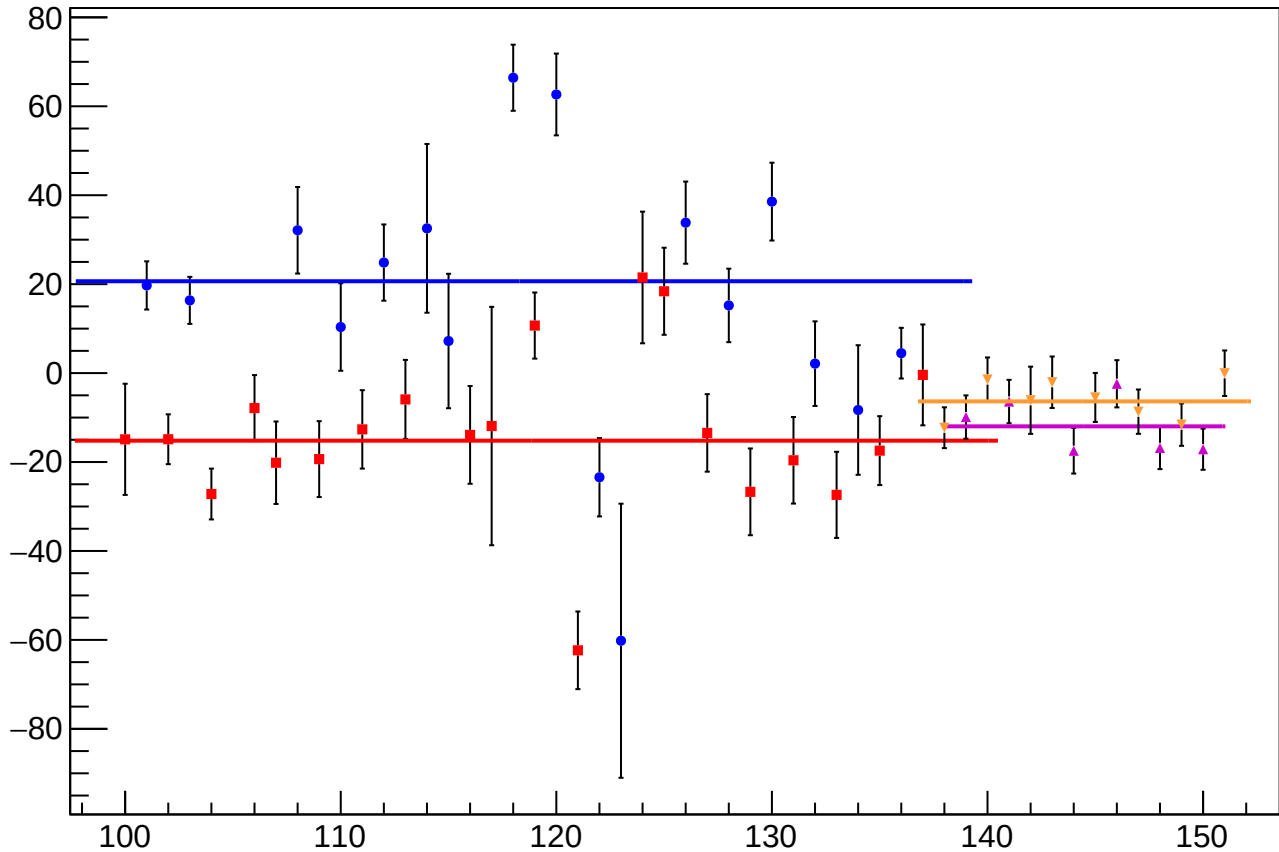
Right Out: 77897.594 ± 20.751 χ^2/NDF : 246982.5/19

Left In: 79494.975 ± 25.502 χ^2/NDF : 15772.7/5

79153.696 ± 15.917 χ^2/NDF : 283680.1/24

78533.920 ± 16.096 χ^2/NDF : 265115.7/25

diff_bpm0r05Y_mean vs Slug



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

Left Out: -6.361 ± 1.854 χ^2/NDF : 6.2/7

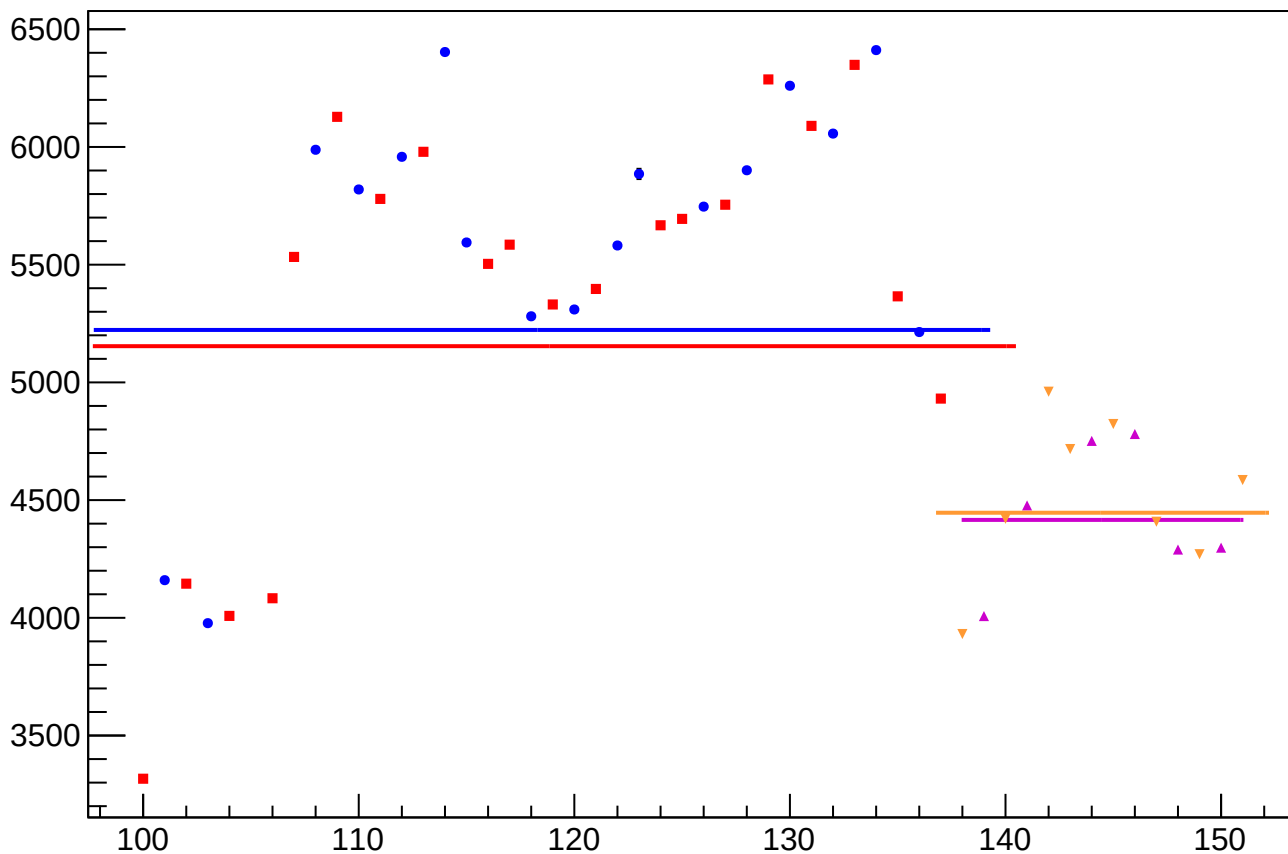
Right Out: -15.198 ± 1.950 χ^2/NDF : 71.3/19

Left In: -11.975 ± 2.007 χ^2/NDF : 8.2/5

5.888 ± 1.371 χ^2/NDF : 220.2/24

-13.633 ± 1.398 χ^2/NDF : 80.8/25

diff_bpm0r05Y_rms vs Slug



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

Left Out: 4446.359+/-1.311 χ^2/NDF : 52573.6/7

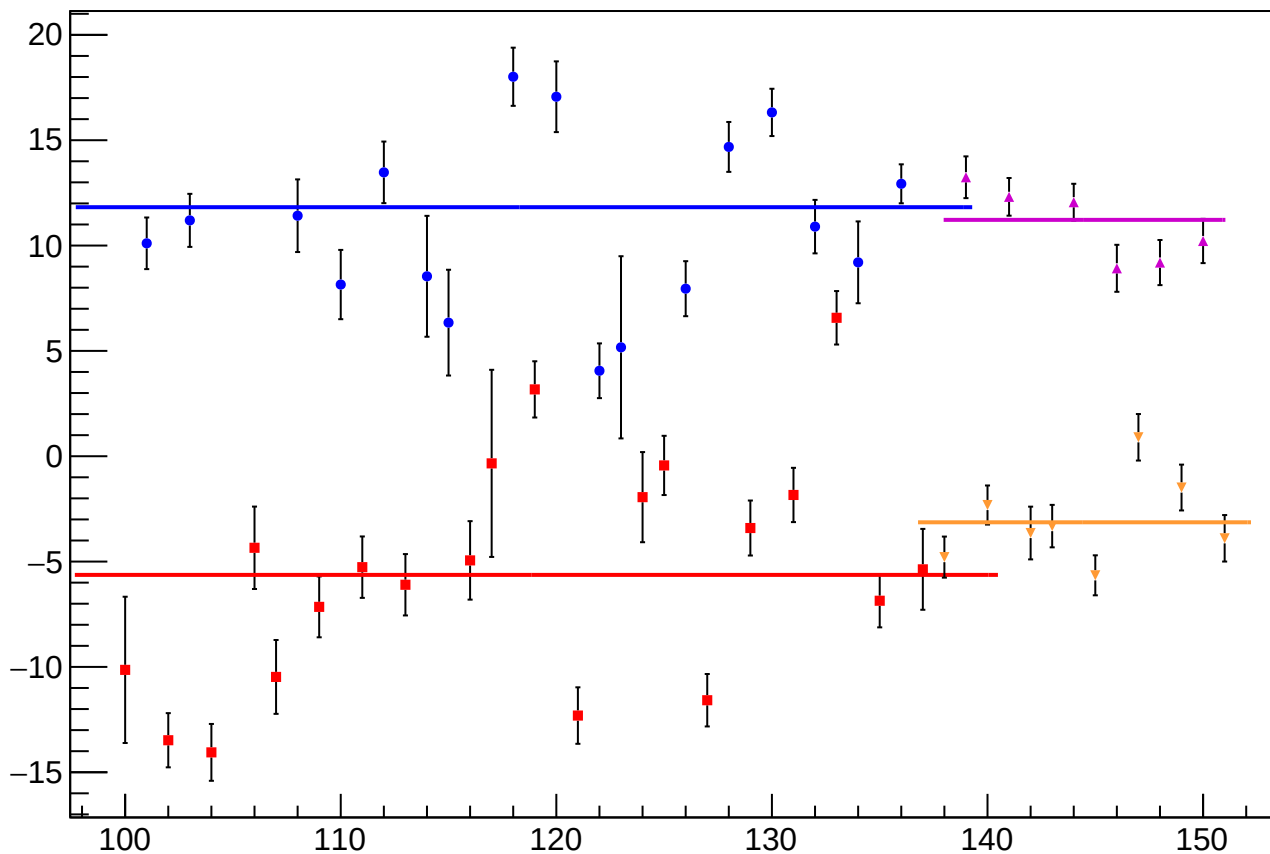
Right Out: 5153.826+/-1.379 χ^2/NDF : 388205.9/19

Left In: 4415.896+/-1.419 χ^2/NDF : 35075.1/5

4798.352+/-0.969 χ^2/NDF : 524075.1/24

4795.496+/-0.989 χ^2/NDF : 562425.7/25

diff_bpm2i01X_mean vs Slug



Right In: 11.821 $\pm$ 0.344 χ^2/NDF : 117.0/16

Left Out: -3.136 $\pm$ 0.367 χ^2/NDF : 27.0/7

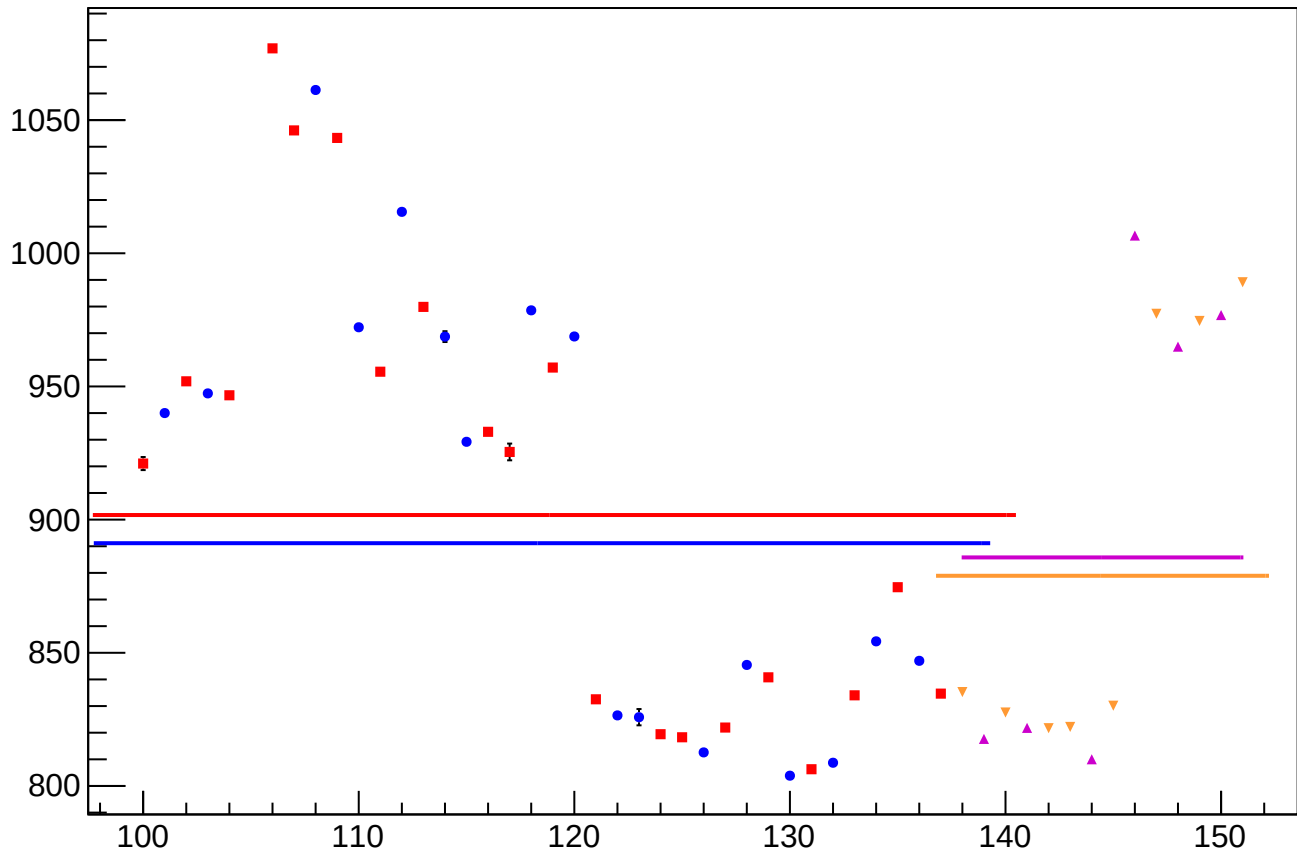
Right Out: -5.632 $\pm$ 0.337 χ^2/NDF : 301.6/19

Left In: 11.220 $\pm$ 0.403 χ^2/NDF : 15.3/5

4.810 $\pm$ 0.251 χ^2/NDF : 1027.6/24

1.316 $\pm$ 0.259 χ^2/NDF : 1344.9/25

diff_bpm2i01X_rms vs Slug



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

Left Out: 878.915+/-0.259 χ^2/NDF : 77248.7/7

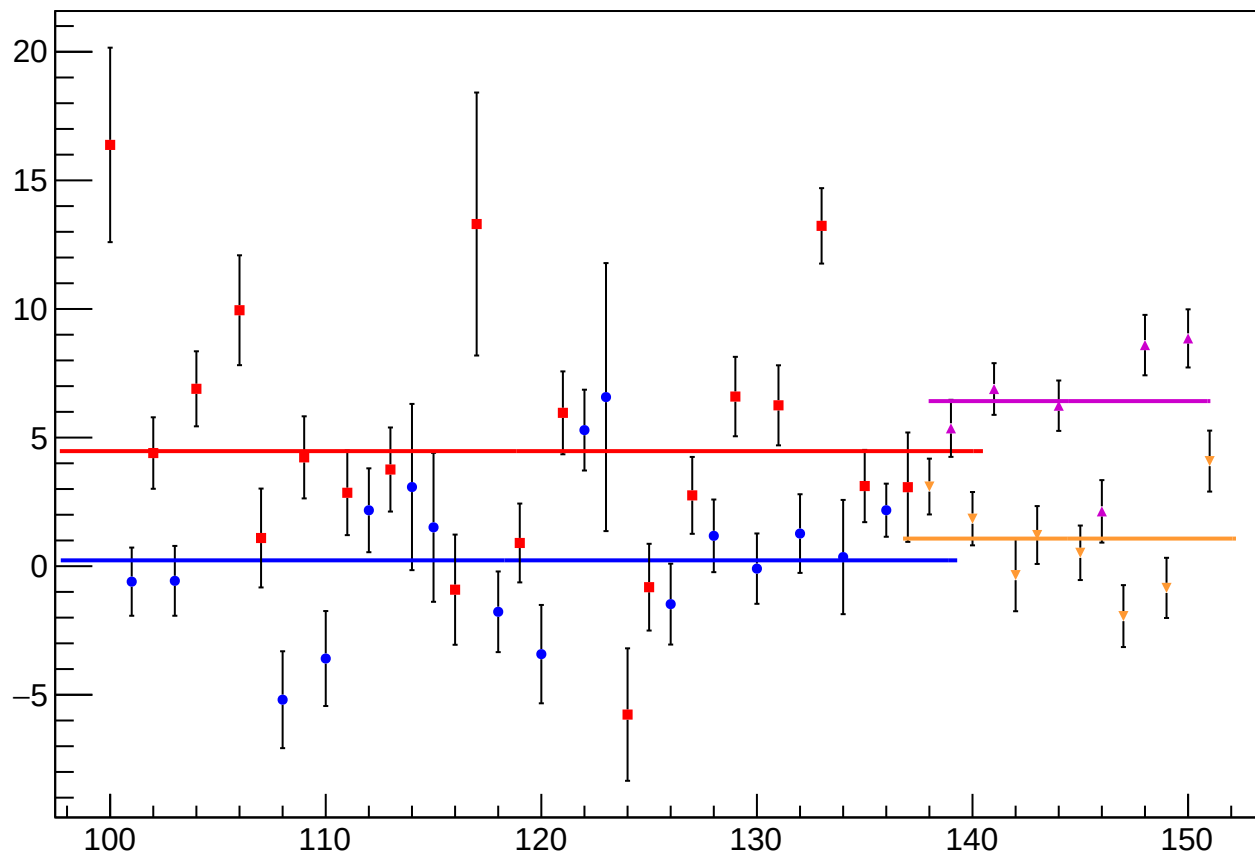
Right Out: 901.725+/-0.239 χ^2/NDF : 114648.1/19

Left In: 885.809+/-0.285 χ^2/NDF : 84133.4/5

885.415+/-0.178 χ^2/NDF : 180090.0/24

895.163+/-0.183 χ^2/NDF : 200615.4/25

diff_bpm2i01Y_mean vs Slug



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

Left Out: 1.073 ± 0.405 χ^2/NDF : 20.8/7

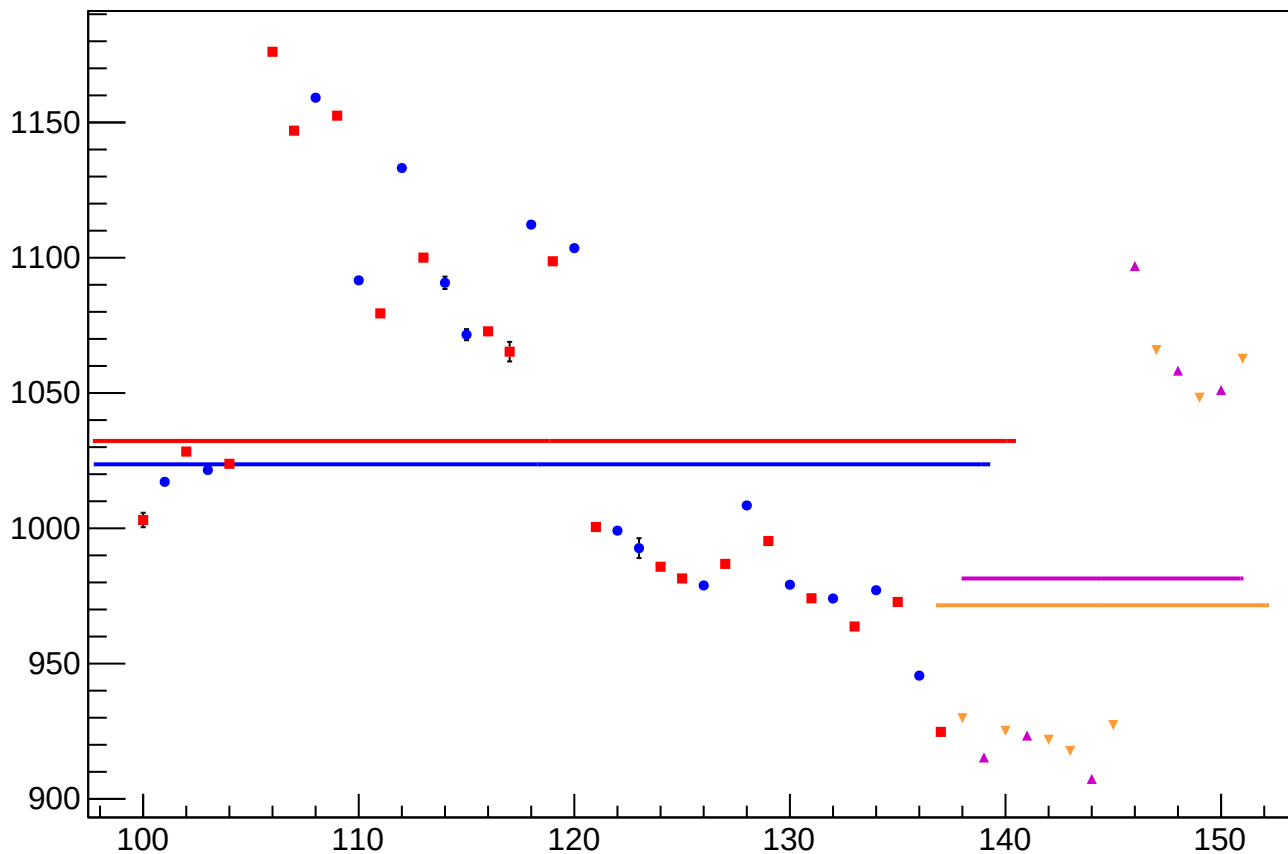
Right Out: 4.473 ± 0.386 χ^2/NDF : 106.3/19

Left In: 6.418 ± 0.446 χ^2/NDF : 21.7/5

0.639 ± 0.283 χ^2/NDF : 61.5/24

5.306 ± 0.292 χ^2/NDF : 138.9/25

diff_bpm2i01Y_rms vs Slug



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

Left Out: 971.581+/-0.286 χ^2/NDF : 50218.9/7

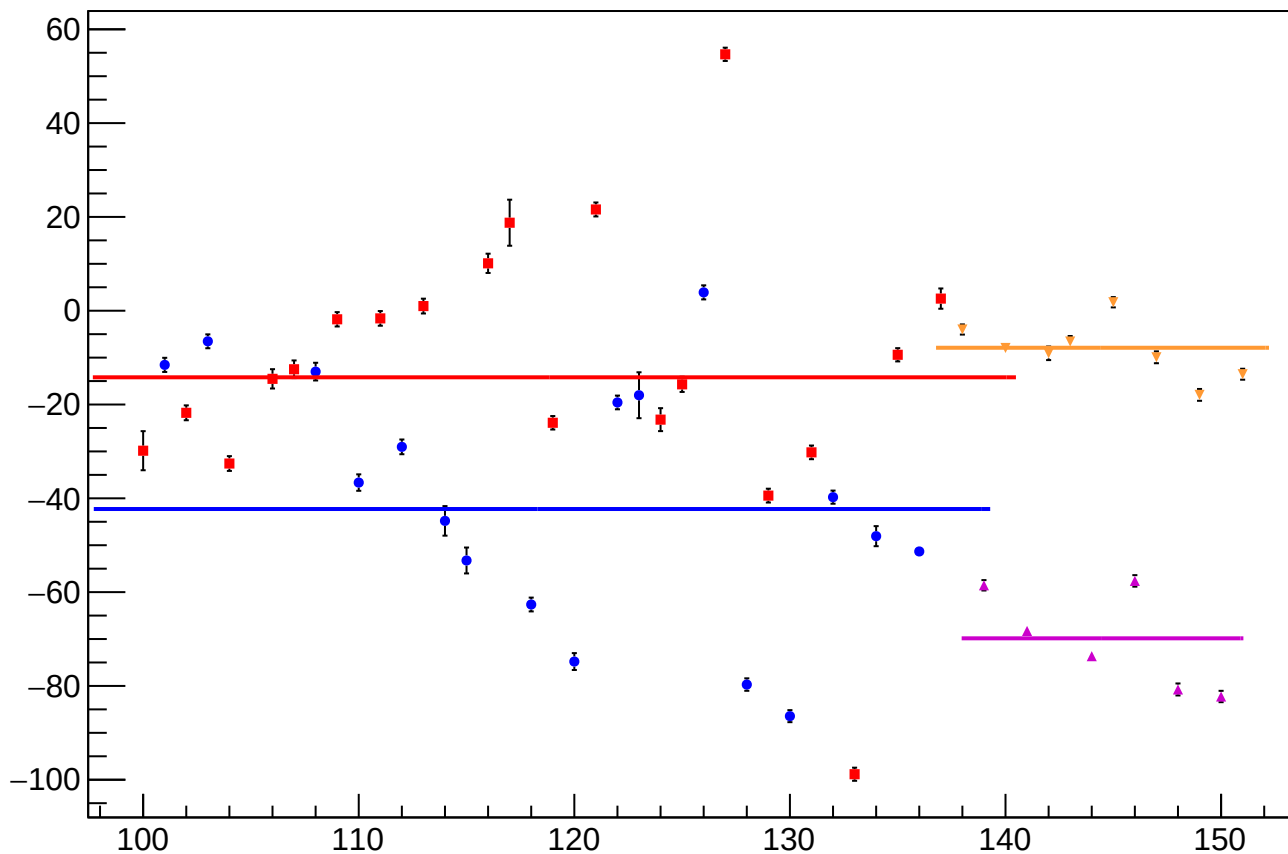
Right Out: 1032.296+/-0.273 χ^2/NDF : 59475.4/19

Left In: 981.458+/-0.315 χ^2/NDF : 59451.0/5

998.263+/-0.200 χ^2/NDF : 119542.4/24

1010.542+/-0.206 χ^2/NDF : 133800.7/25

diff_bpm2i02X_mean vs Slug



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

Left Out: -7.896 ± 0.417 $\chi^2/\text{NDF}: 182.2/7$

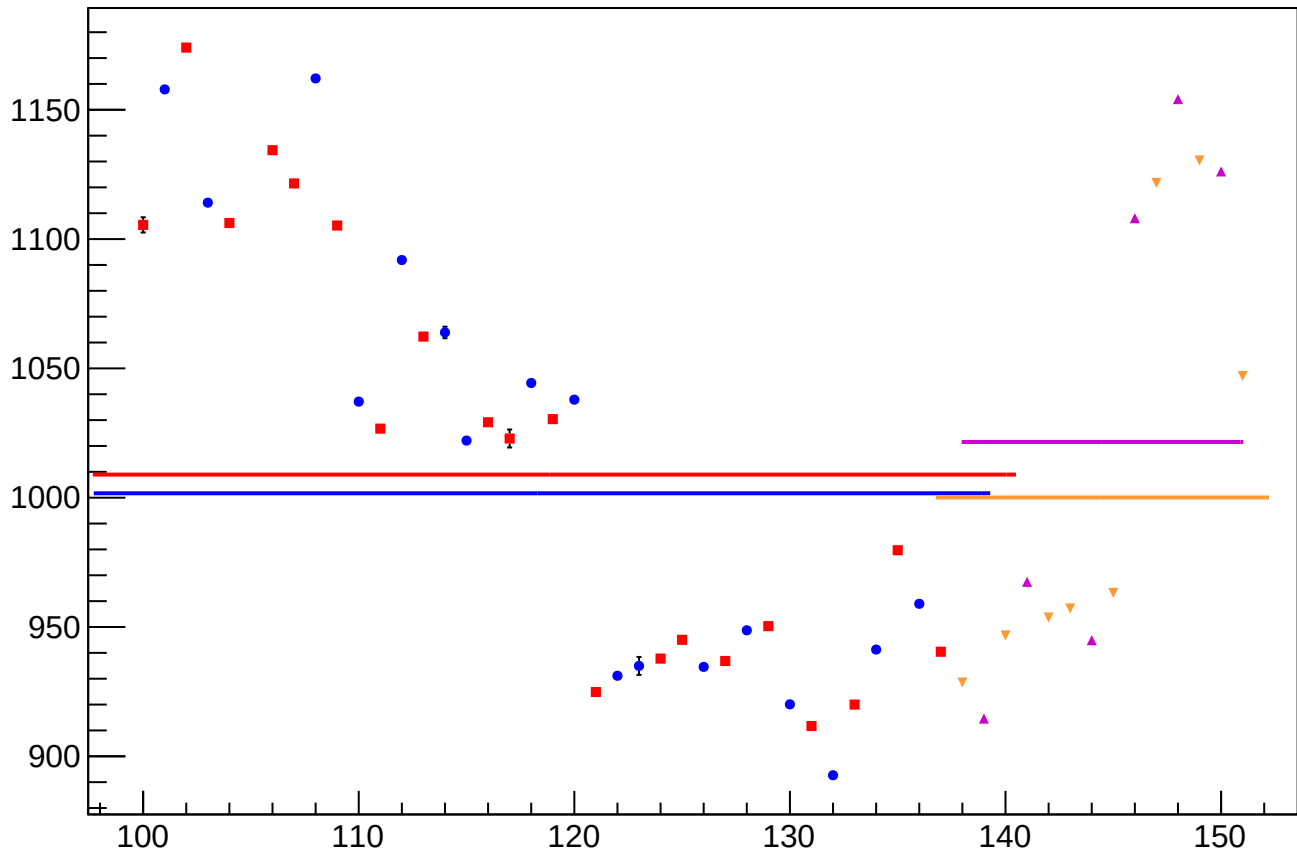
Right Out: -14.197 ± 0.377 $\chi^2/\text{NDF}: 7715.1/19$

Left In: -69.850 ± 0.465 $\chi^2/\text{NDF}: 397.2/5$

-26.359 ± 0.284 $\chi^2/\text{NDF}: 8961.2/24$

-36.319 ± 0.293 $\chi^2/\text{NDF}: 16758.5/25$

diff_bpm2i02X_rms vs Slug



Right In: 1001.706 $\pm$ 0.274 χ^2 /NDF: 95480.0/16

Left Out: 1000.065 $\pm$ 0.295 χ^2 /NDF: 63757.4/7

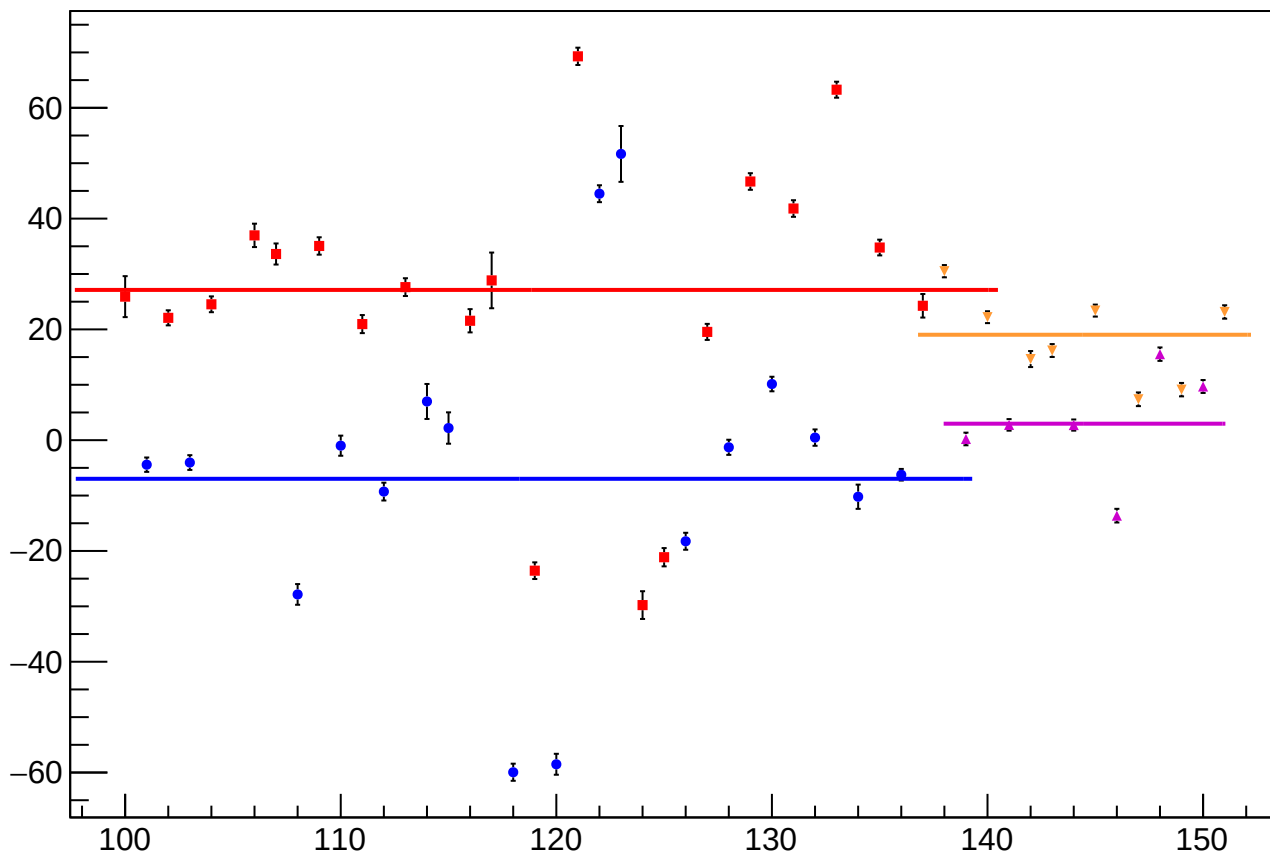
Right Out: 1008.931 $\pm$ 0.267 χ^2 /NDF: 95366.1/19

Left In: 1021.550 $\pm$ 0.329 χ^2 /NDF: 81488.1/5

1000.946 $\pm$ 0.201 χ^2 /NDF: 159254.0/24

1013.947 $\pm$ 0.207 χ^2 /NDF: 177743.4/25

diff_bpm2i02Y_mean vs Slug



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

Left Out: 19.032 ± 0.417 χ^2/NDF : 314.0/7

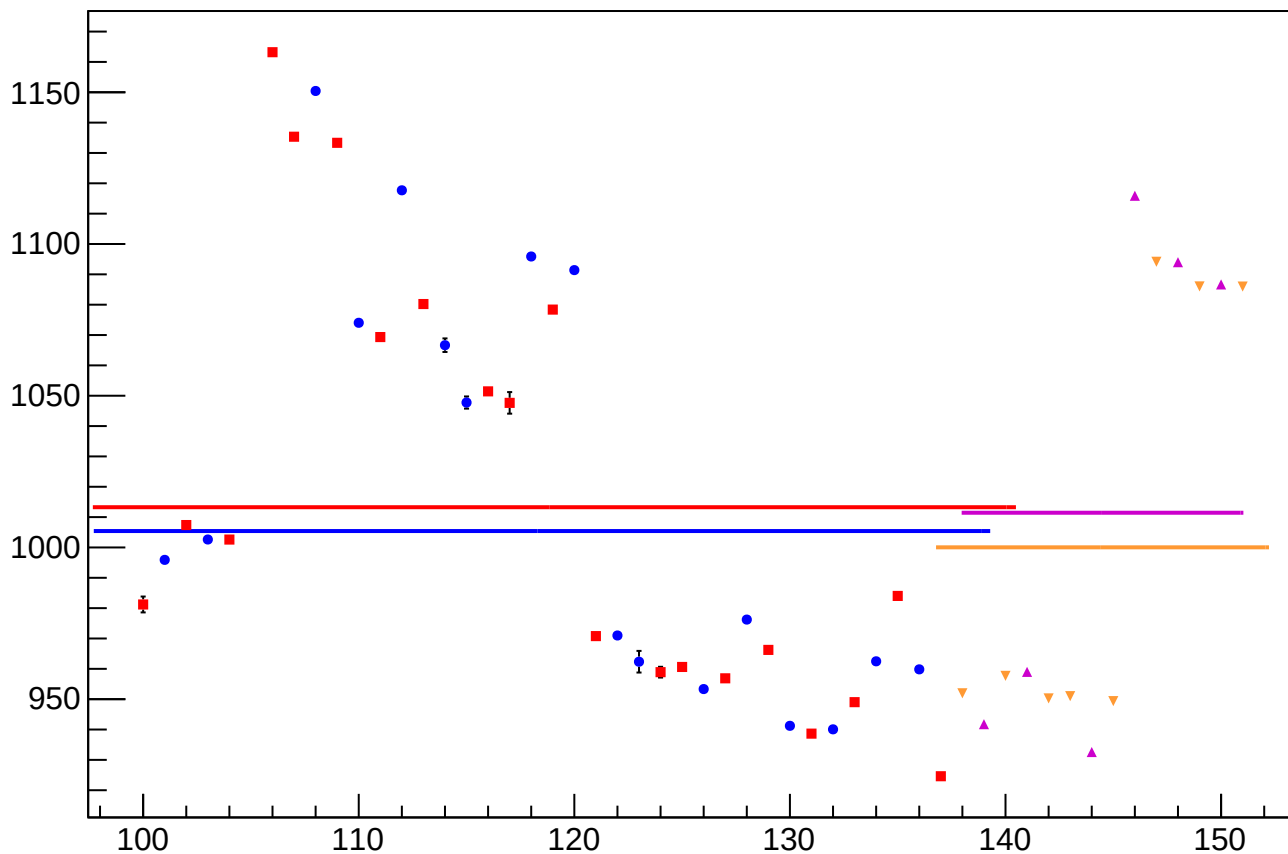
Right Out: 27.125 ± 0.379 χ^2/NDF : 4283.6/19

Left In: 2.975 ± 0.459 χ^2/NDF : 326.3/5

5.101 ± 0.284 χ^2/NDF : 6037.4/24

17.360 ± 0.292 χ^2/NDF : 6256.1/25

diff_bpm2i02Y_rms vs Slug



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

Left Out: 1000.038 ± 0.295 χ^2/NDF : 48863.9/7

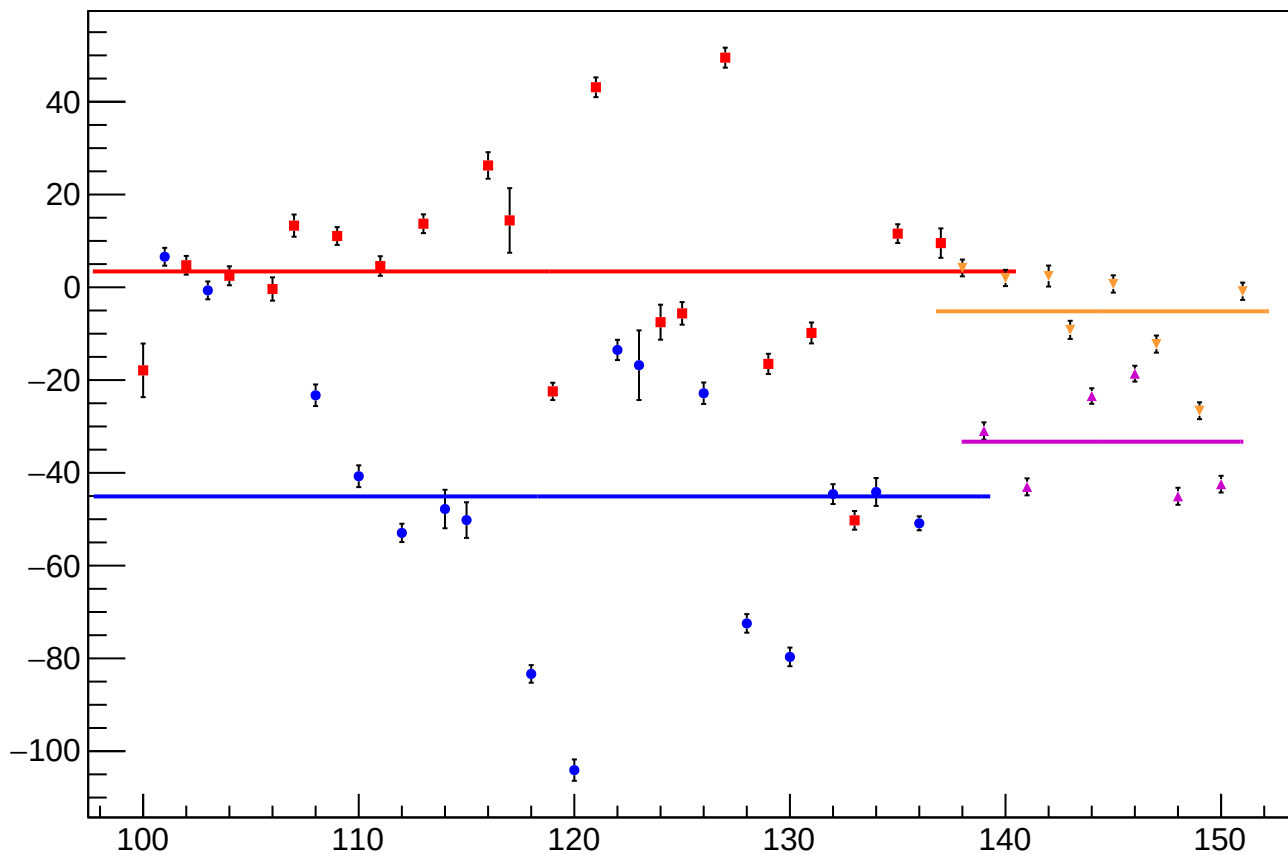
Right Out: 1013.260 ± 0.268 χ^2/NDF : 63359.8/19

Left In: 1011.440 ± 0.325 χ^2/NDF : 56604.1/5

1002.915 ± 0.201 χ^2/NDF : 103627.9/24

1012.524 ± 0.207 χ^2/NDF : 119982.7/25

diff_bpm0i02X_mean vs Slug



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

Left Out: -5.170 ± 0.665 χ^2/NDF : 228.6/7

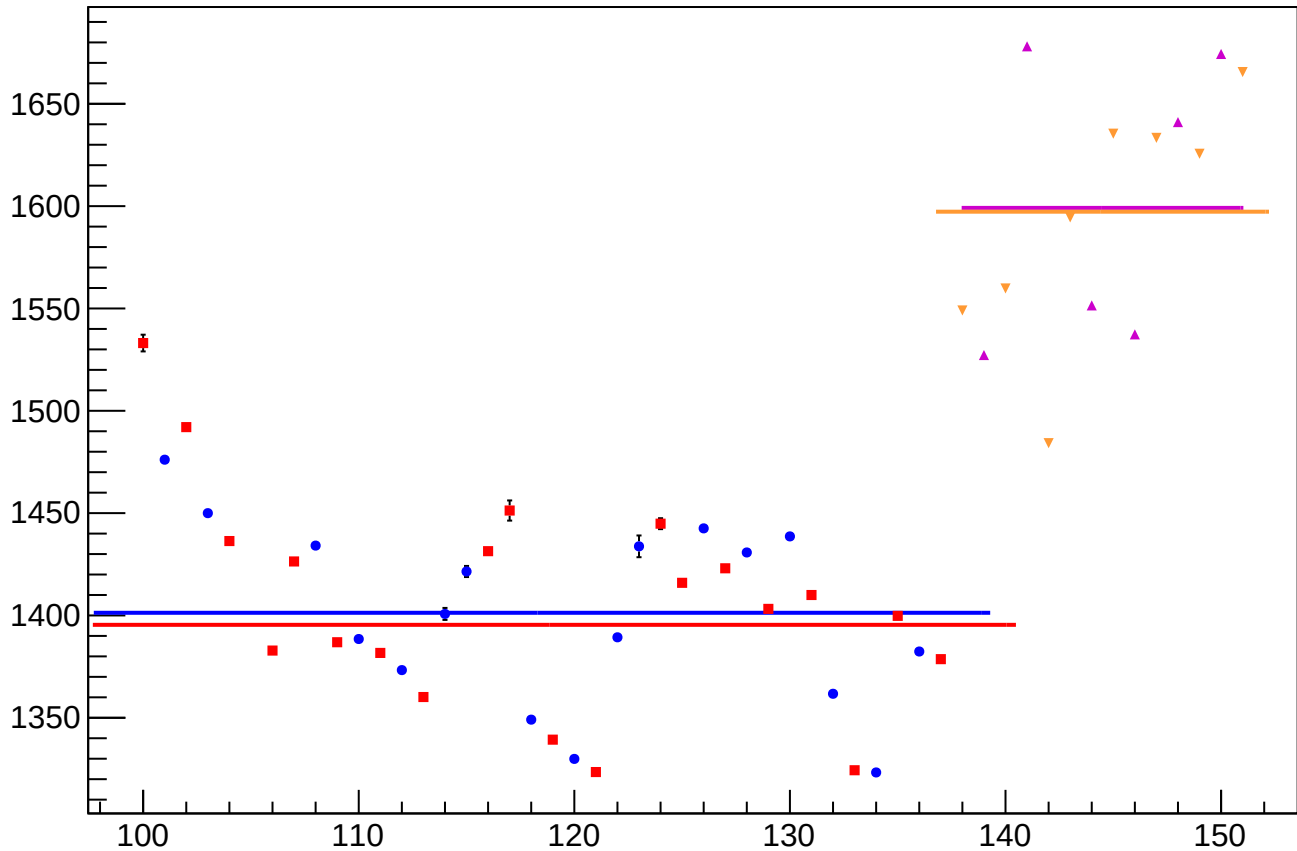
Right Out: 3.419 ± 0.520 χ^2/NDF : 2008.2/19

Left In: -33.280 ± 0.726 χ^2/NDF : 205.4/5

-29.222 ± 0.419 χ^2/NDF : 5639.7/24

-9.028 ± 0.423 χ^2/NDF : 3900.6/25

diff_bpm0i02X_rms vs Slug



Right In: 1401.307 $\pm$ 0.382 χ^2 /NDF: 12852.1/16

Left Out: 1597.290 $\pm$ 0.470 χ^2 /NDF:12128.6/7

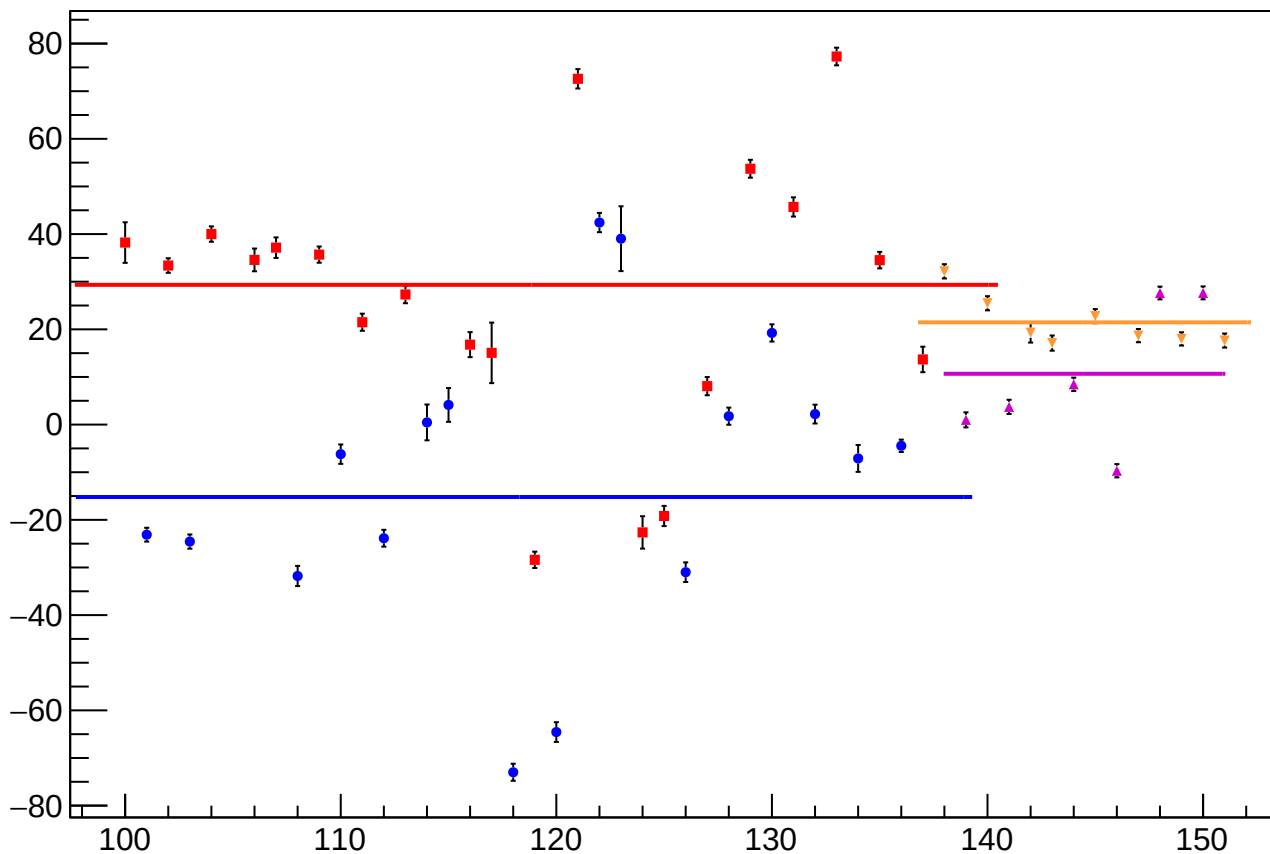
Right Out: 1395.419 $\pm$ 0.368 χ^2 /NDF: 15649.3/19

Left In: 1599.143 $\pm$ 0.514 χ^2 /NDF:15512.0/5

1479.180 $\pm$ 0.296 χ^2 /NDF: 129775.8/24

1464.515 $\pm$ 0.299 χ^2 /NDF: 135135.1/25

diff_bpm0i02Y_mean vs Slug



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

Left Out: 21.466 ± 0.538 χ^2/NDF : 84.5/7

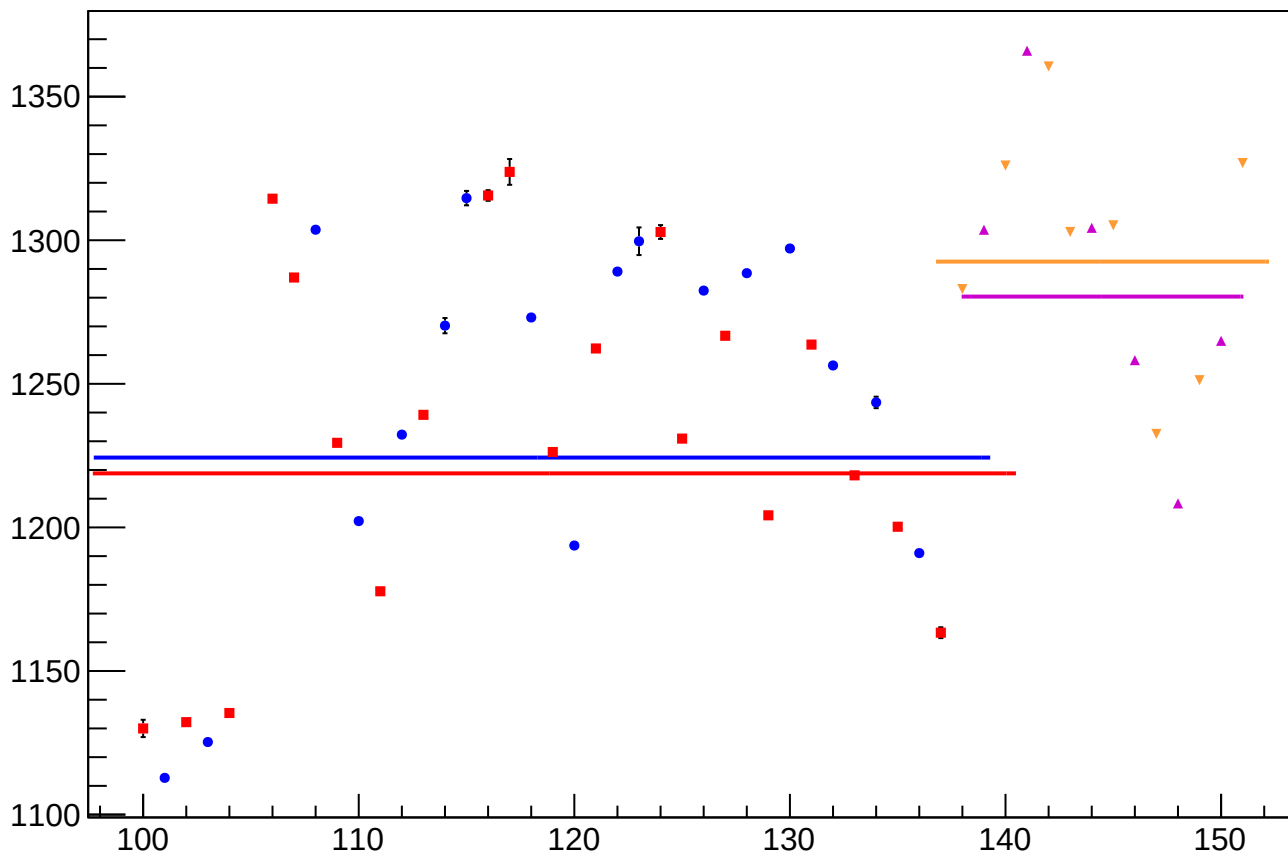
Right Out: 29.344 ± 0.455 χ^2/NDF : 3549.9/19

Left In: 10.671 ± 0.581 χ^2/NDF : 591.1/5

0.762 ± 0.355 χ^2/NDF : 6073.2/24

22.243 ± 0.358 χ^2/NDF : 4781.5/25

diff_bpm0i02Y_rms vs Slug



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

Left Out: 1292.558+/-0.380 χ^2/NDF : 10009.0/7

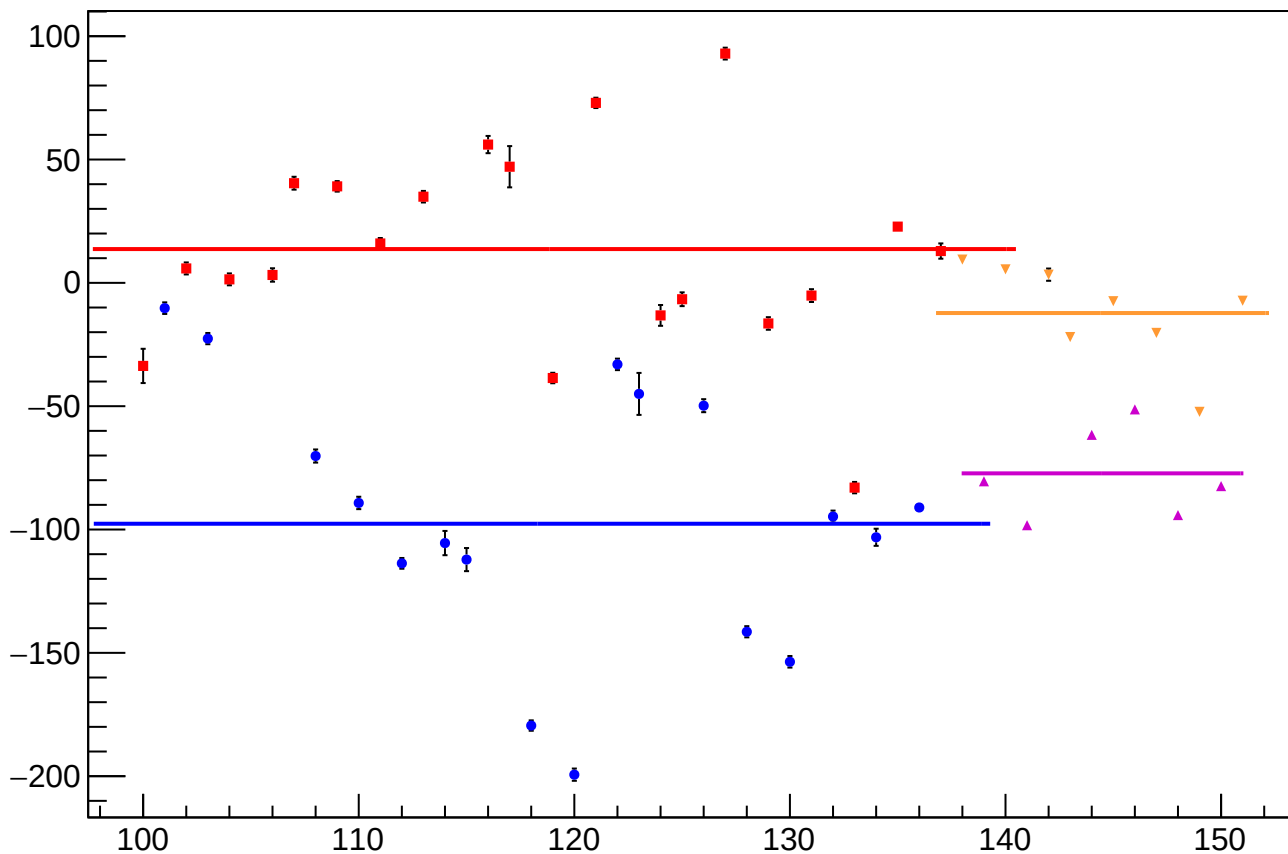
Right Out: 1218.817+/-0.322 χ^2/NDF : 28121.5/19

Left In: 1280.381+/-0.411 χ^2/NDF : 14115.3/5

1254.029+/-0.251 χ^2/NDF : 66977.7/24

1242.229+/-0.253 χ^2/NDF : 56159.4/25

diff_bpm0i02aX_mean vs Slug



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

Left Out: -12.233 ± 0.673 χ^2/NDF : 806.6/7

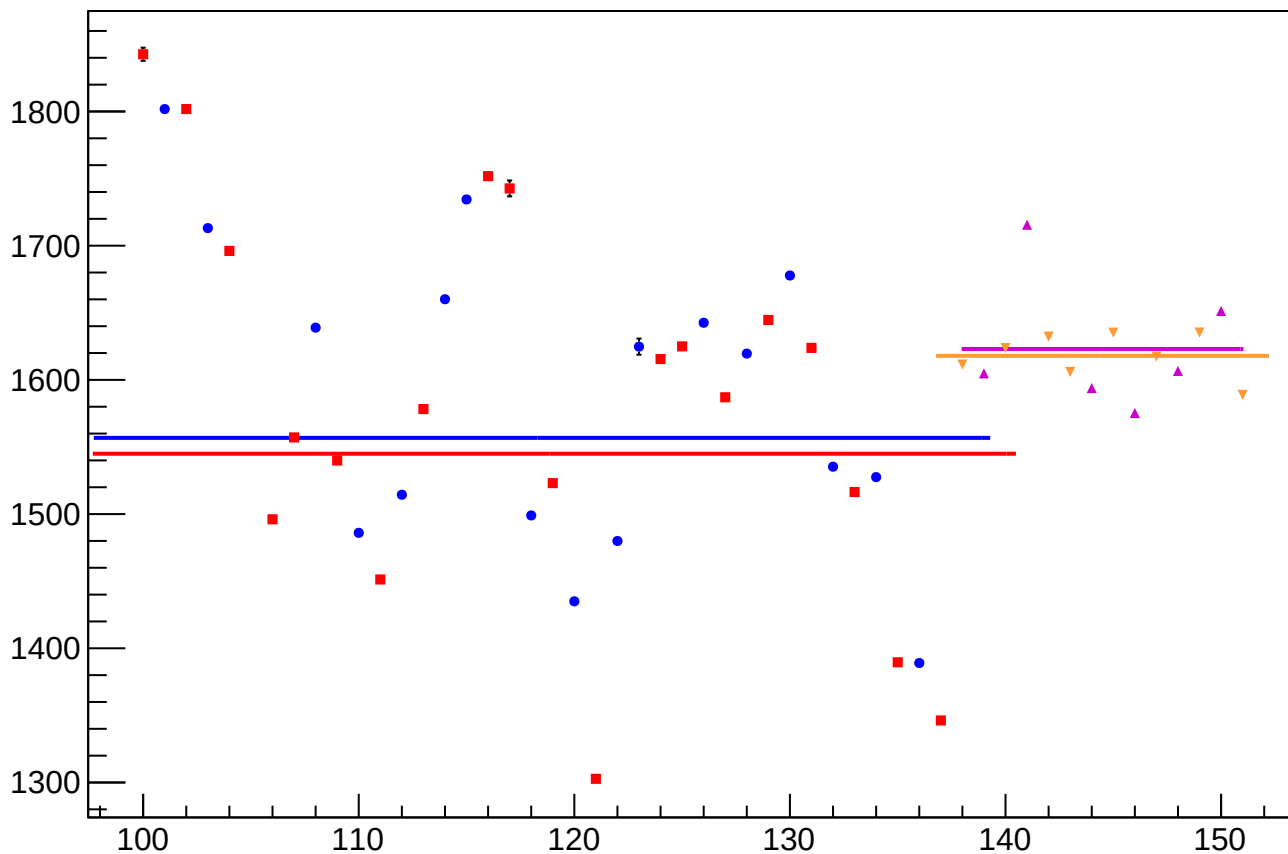
Right Out: 13.698 ± 0.578 χ^2/NDF : 5144.2/19

Left In: -77.230 ± 0.736 χ^2/NDF : 529.8/5

-59.742 ± 0.448 χ^2/NDF : 17700.7/24

-20.972 ± 0.455 χ^2/NDF : 15110.8/25

diff_bpm0i02aX_rms vs Slug



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

Left Out: 1617.911+/-0.476 χ^2/NDF : 1073.7/7

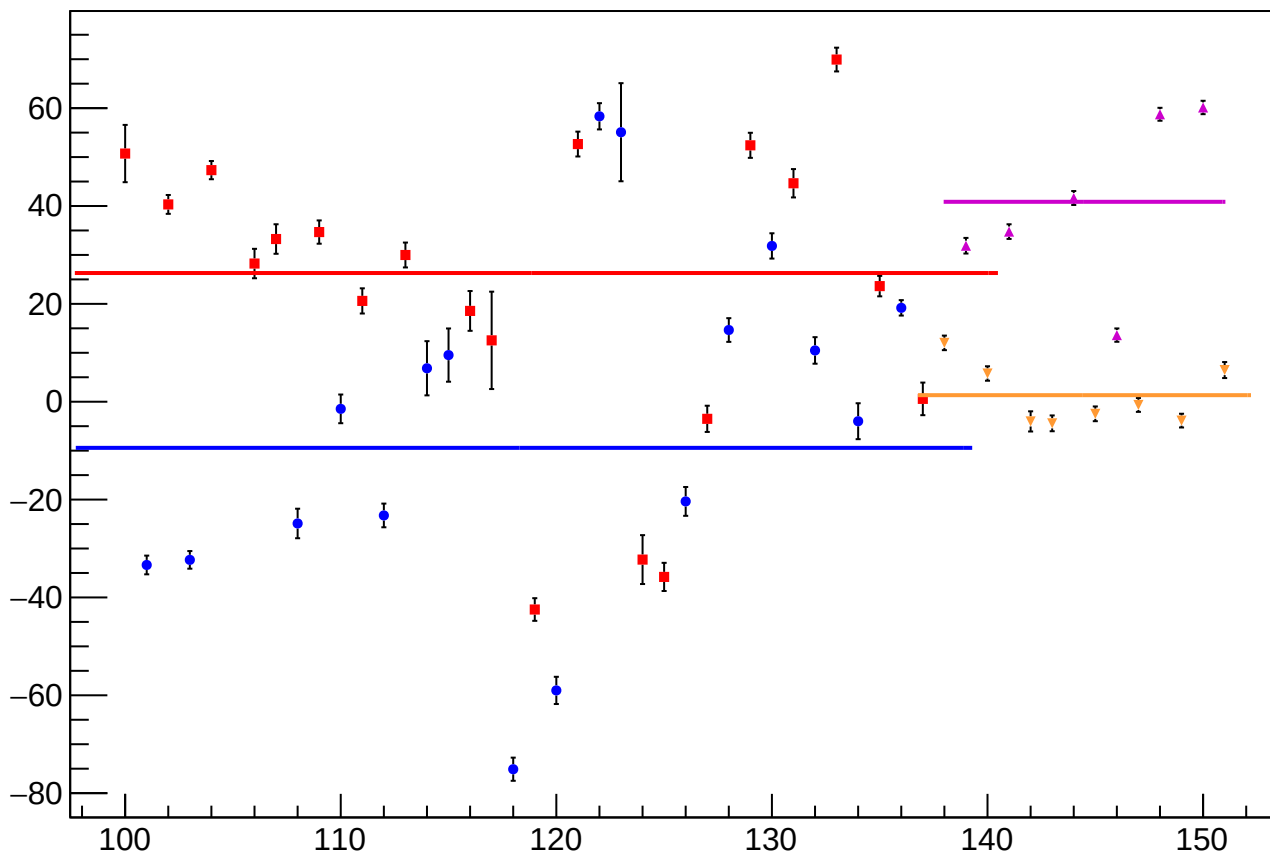
Right Out: 1544.983+/-0.409 χ^2/NDF : 101624.6/19

Left In: 1623.033+/-0.521 χ^2/NDF : 7801.9/5

1583.924+/-0.317 χ^2/NDF : 91791.7/24

1574.743+/-0.321 χ^2/NDF : 123332.5/25

diff_bpm0i02aY_mean vs Slug



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

Left Out: 1.338 ± 0.547 χ^2/NDF : 112.0/7

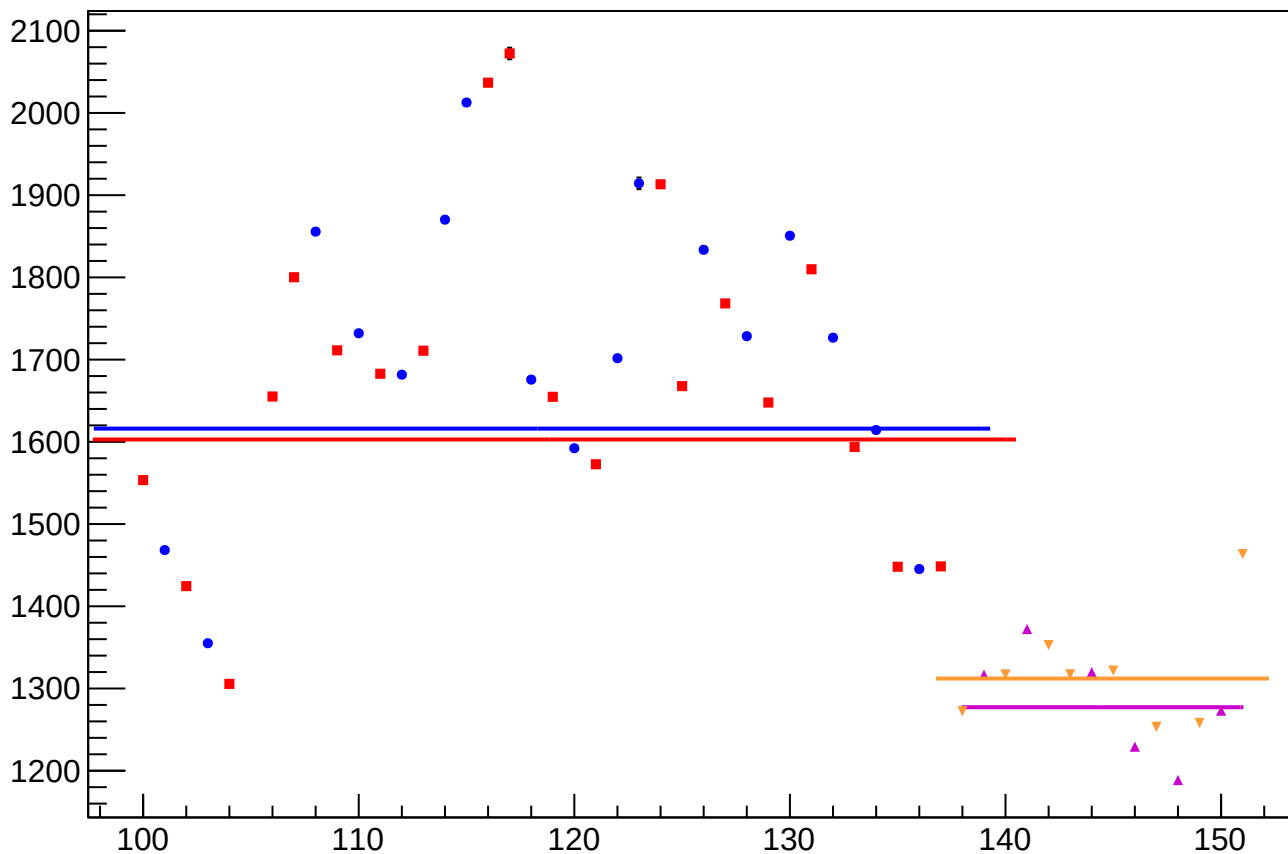
Right Out: 26.304 ± 0.602 χ^2/NDF : 2474.0/19

Left In: 40.858 ± 0.580 χ^2/NDF : 829.7/5

-3.314 ± 0.412 χ^2/NDF : 3203.8/24

33.849 ± 0.418 χ^2/NDF : 3607.0/25

diff_bpm0i02aY_rms vs Slug



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

Left Out: 1312.131+/-0.386 χ^2/NDF : 25841.0/7

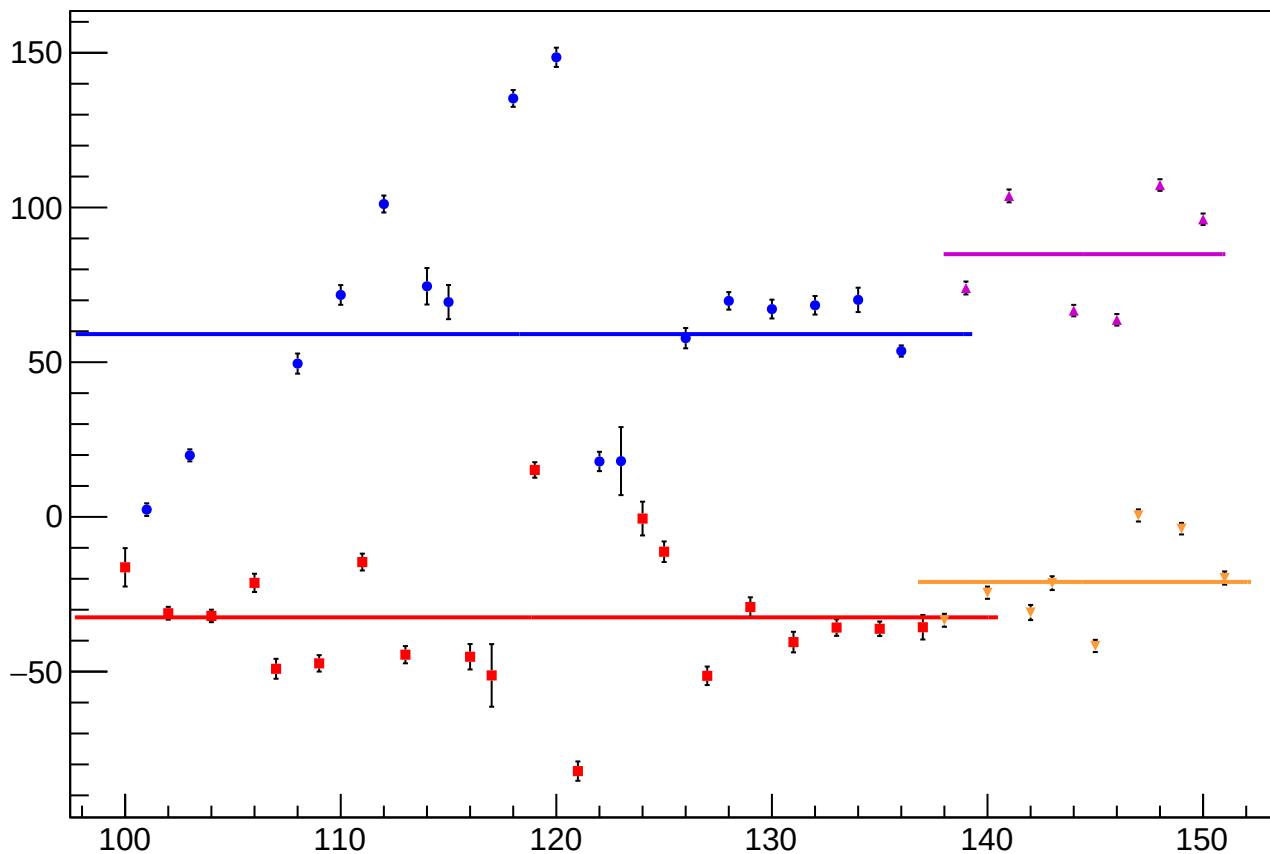
Right Out: 1602.857+/-0.425 χ^2/NDF : 158119.5/19

Left In: 1277.246+/-0.410 χ^2/NDF : 22547.7/5

1443.489+/-0.291 χ^2/NDF : 442813.7/24

1434.061+/-0.295 χ^2/NDF : 484299.4/25

diff_bpm0i05X_mean vs Slug



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

Left Out: -21.016 ± 0.731 χ^2/NDF : 368.2/7

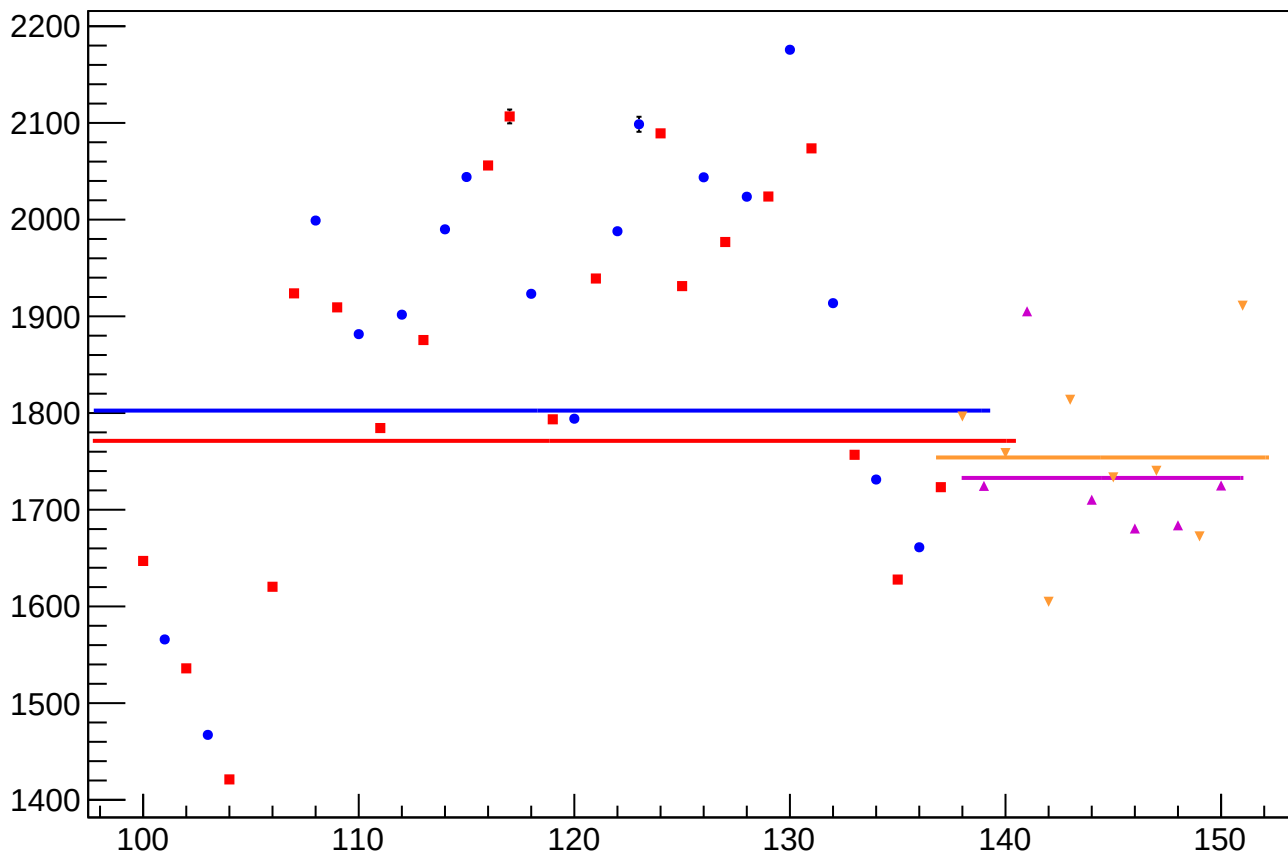
Right Out: -32.463 ± 0.665 χ^2/NDF : 894.9/19

Left In: 84.918 ± 0.787 χ^2/NDF : 514.7/5

20.807 ± 0.505 χ^2/NDF : 9928.0/24

16.426 ± 0.508 χ^2/NDF : 14384.9/25

diff_bpm0i05X_rms vs Slug



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

Left Out: 1754.048+/-0.517 χ^2/NDF : 24609.9/7

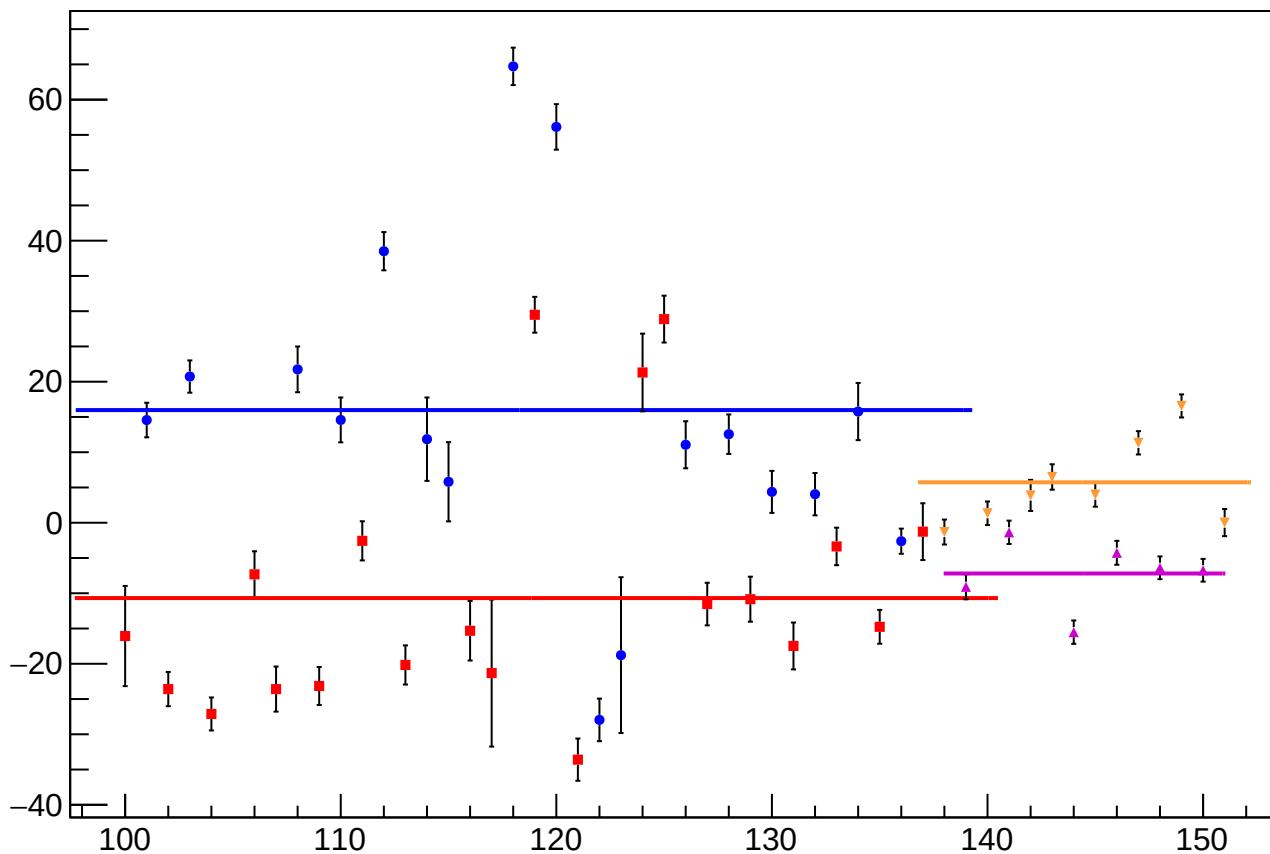
Right Out: 1771.228+/-0.470 χ^2/NDF : 180101.6/19

Left In: 1732.892+/-0.557 χ^2/NDF : 16990.2/5

1779.360+/-0.357 χ^2/NDF : 213269.3/24

1755.261+/-0.359 χ^2/NDF : 199859.7/25

diff_bpm0i05Y_mean vs Slug



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

Left Out: 5.731 ± 0.627 χ^2/NDF : 88.9/7

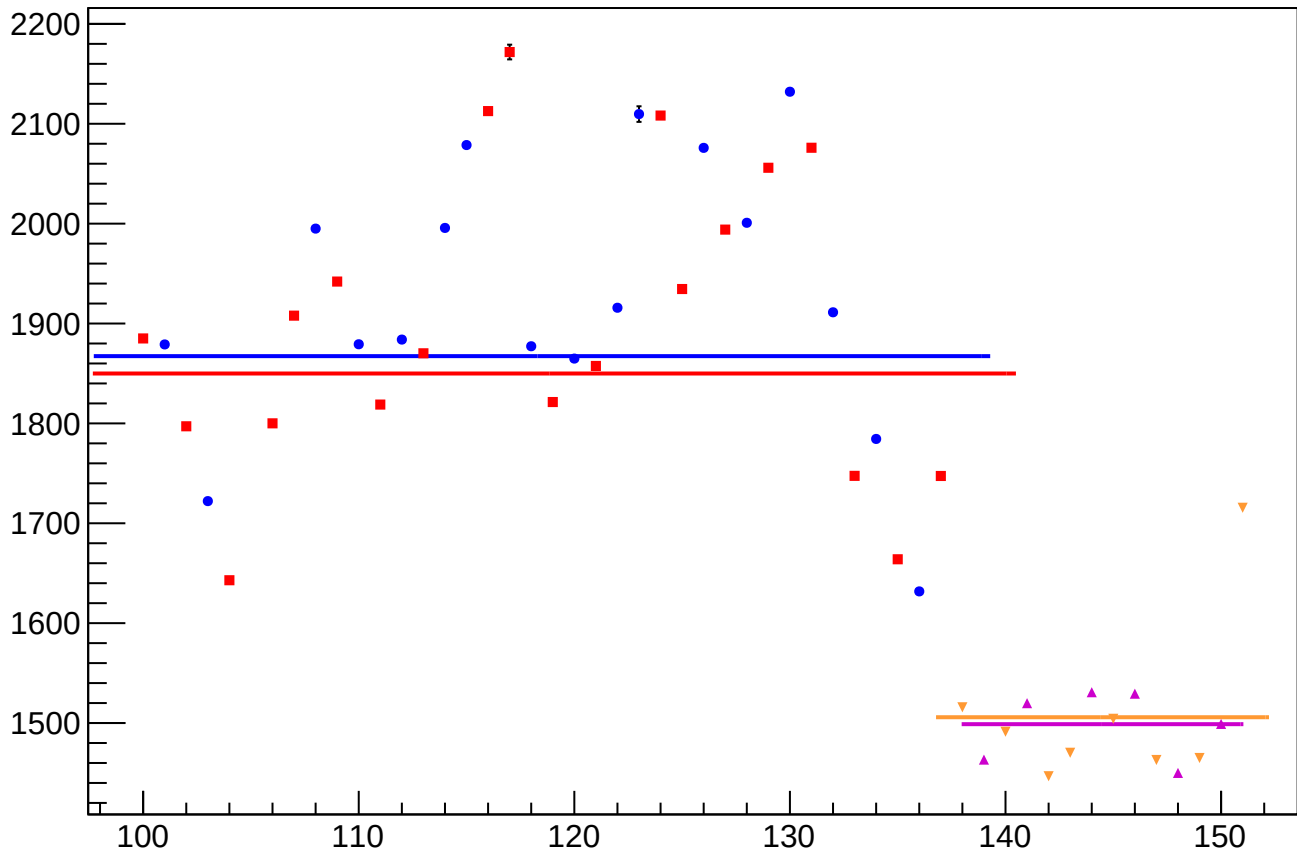
Right Out: -10.685 ± 0.692 χ^2/NDF : 643.2/19

Left In: -7.197 ± 0.680 χ^2/NDF : 42.1/5

10.142 ± 0.473 χ^2/NDF : 1142.0/24

-8.910 ± 0.485 χ^2/NDF : 698.2/25

diff_bpm0i05Y_rms vs Slug



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

Left Out: 1505.800+/-0.444 χ^2/NDF : 28745.6/7

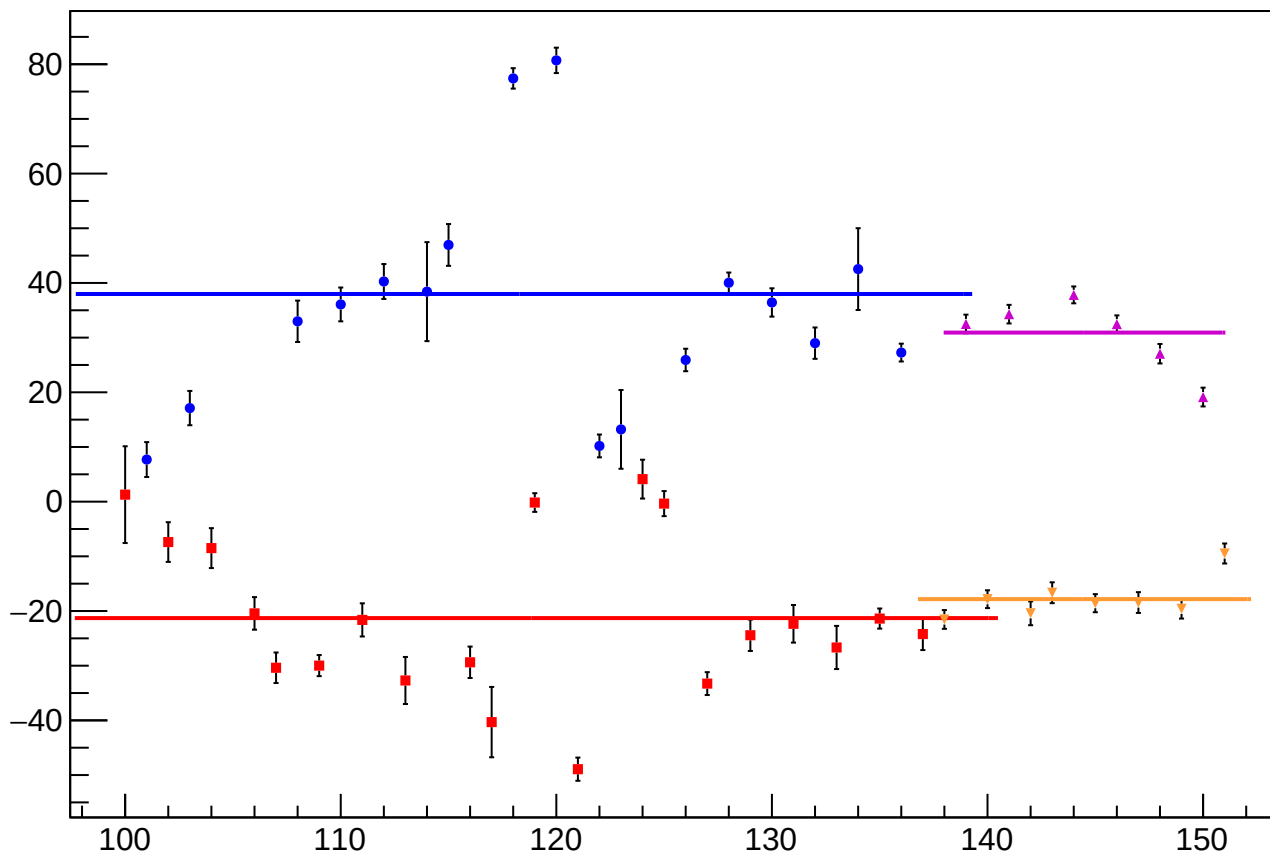
Right Out: 1849.954+/-0.489 χ^2/NDF : 74440.9/19

Left In: 1498.855+/-0.481 χ^2/NDF : 4352.9/5

1661.447+/-0.335 χ^2/NDF : 395573.9/24

1671.295+/-0.343 χ^2/NDF : 340914.3/25

diff_bpm0i07X_mean vs Slug



Right In: 37.979 $\pm$ 0.637 χ^2 /NDF: 1204.3/16

Left Out: -17.823 $\pm$ 0.638 χ^2 /NDF: 28.6/7

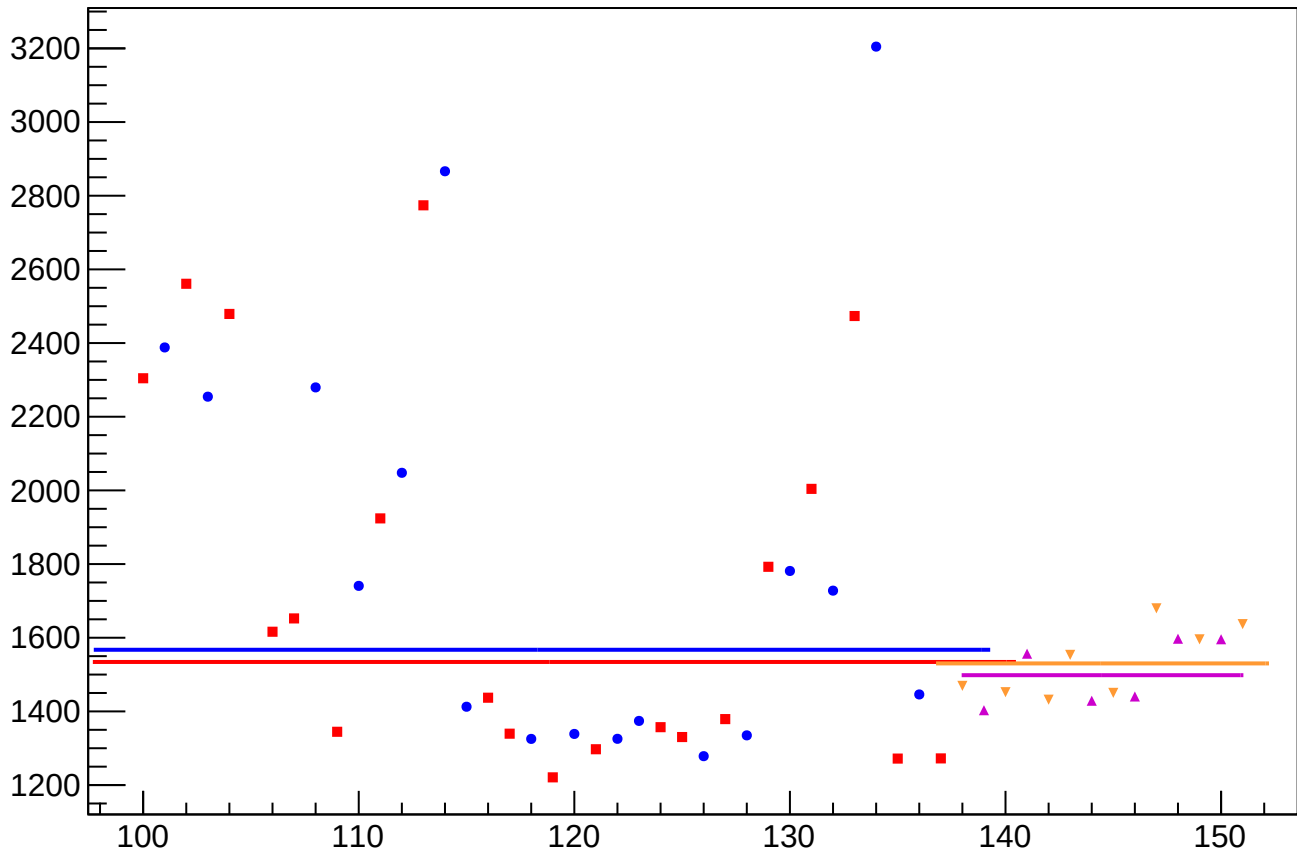
Right Out: -21.294 $\pm$ 0.606 χ^2 /NDF: 582.5/19

Left In: 30.921 $\pm$ 0.681 χ^2 /NDF: 77.4/5

10.123 $\pm$ 0.451 χ^2 /NDF: 5059.2/24

1.759 $\pm$ 0.453 χ^2 /NDF: 3941.7/25

diff_bpm0i07X_rms vs Slug



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

Left Out: 1530.271+/-0.451 χ^2 /NDF:37999.3/7

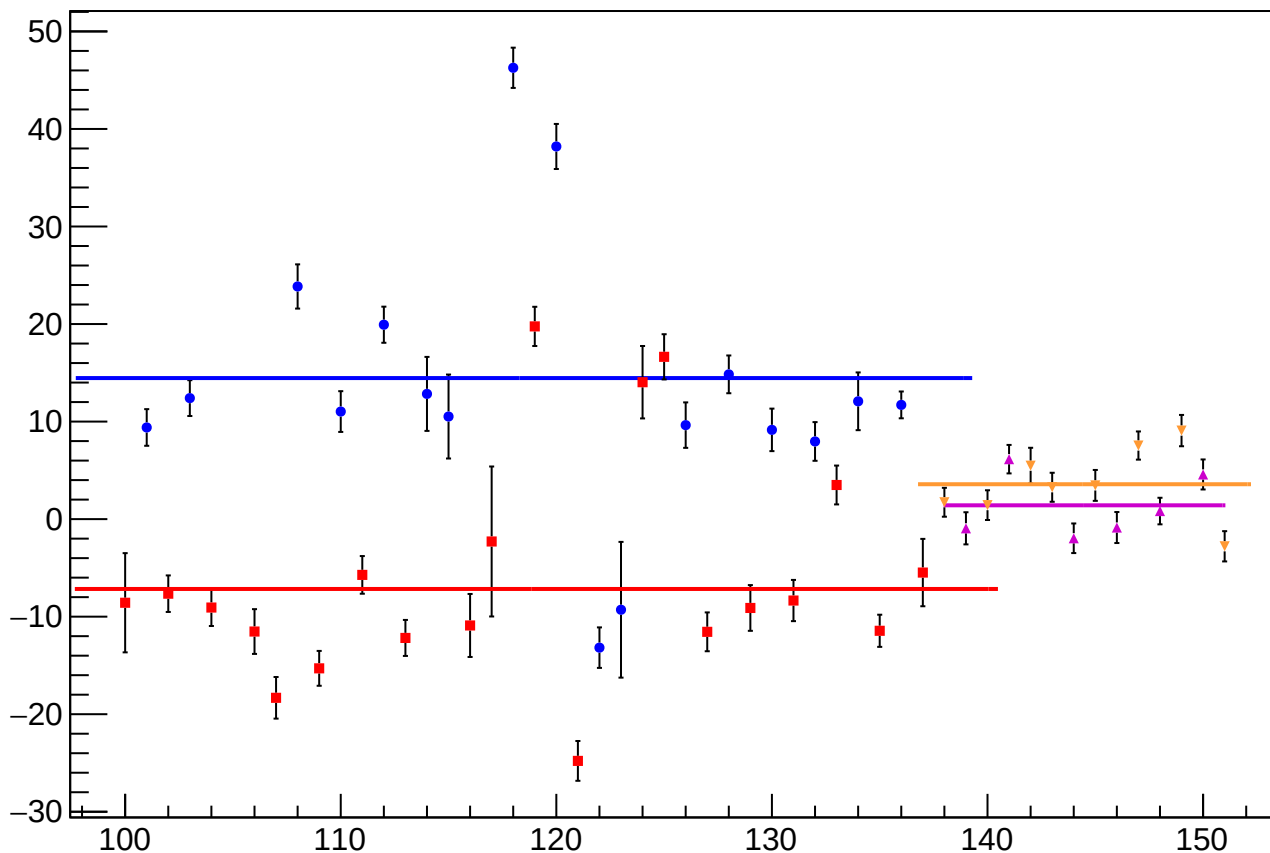
1548.830+/-0.319 χ^2 /NDF: 714824.9/24

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

1518.376+/-0.320 χ^2 /NDF: 914922.9/25

Left In: 1498.327+/-0.482 χ^2 /NDF:27873.0/5

diff_bpm0i07Y_mean vs Slug



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

Left Out: 3.577 ± 0.549 χ^2/NDF : 40.7/7

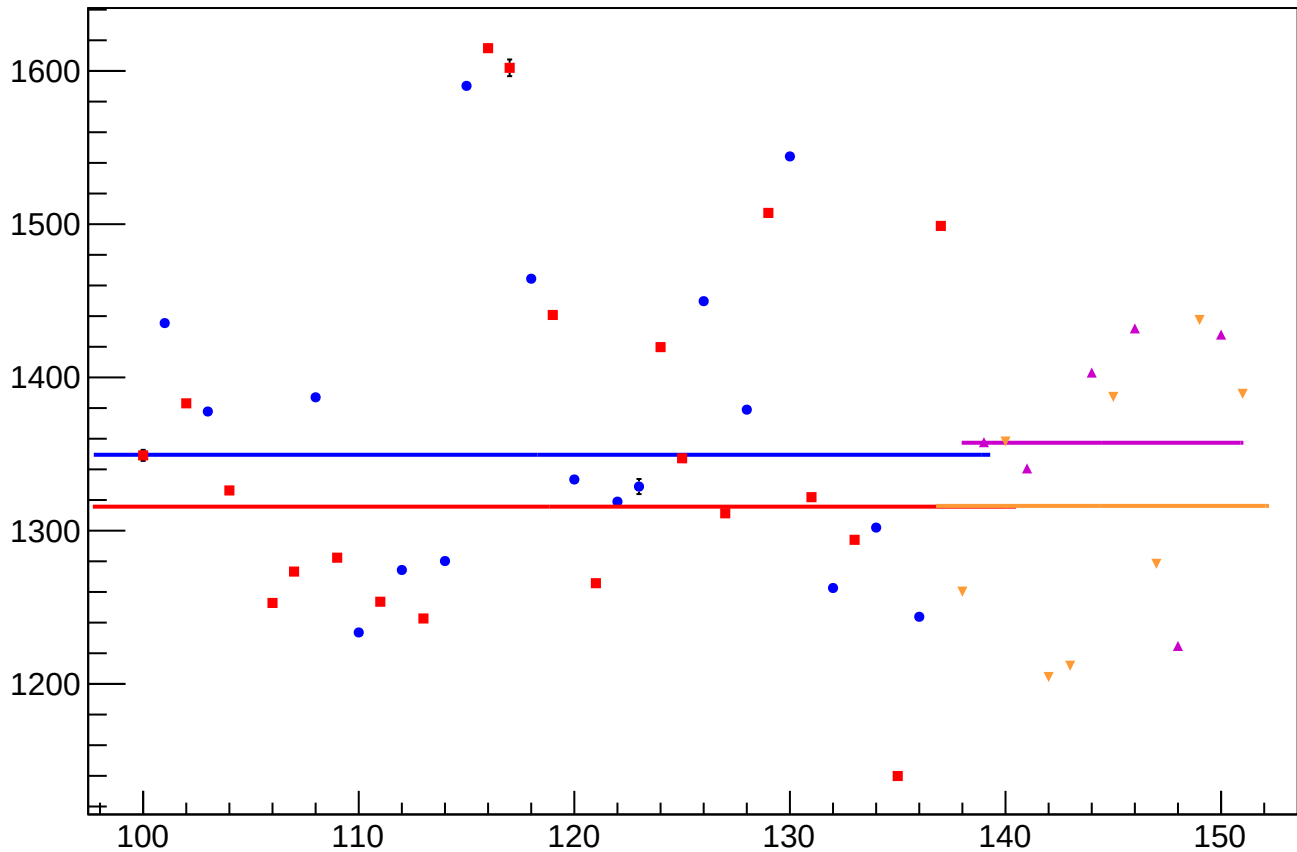
Right Out: -7.161 ± 0.493 χ^2/NDF : 496.1/19

Left In: 1.416 ± 0.617 χ^2/NDF : 24.0/5

9.282 ± 0.379 χ^2/NDF : 842.6/24

-3.814 ± 0.385 χ^2/NDF : 638.0/25

diff_bpm0i07Y_rms vs Slug



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

Left Out: 1316.162 ± 0.388 χ^2/NDF : 42881.2/7

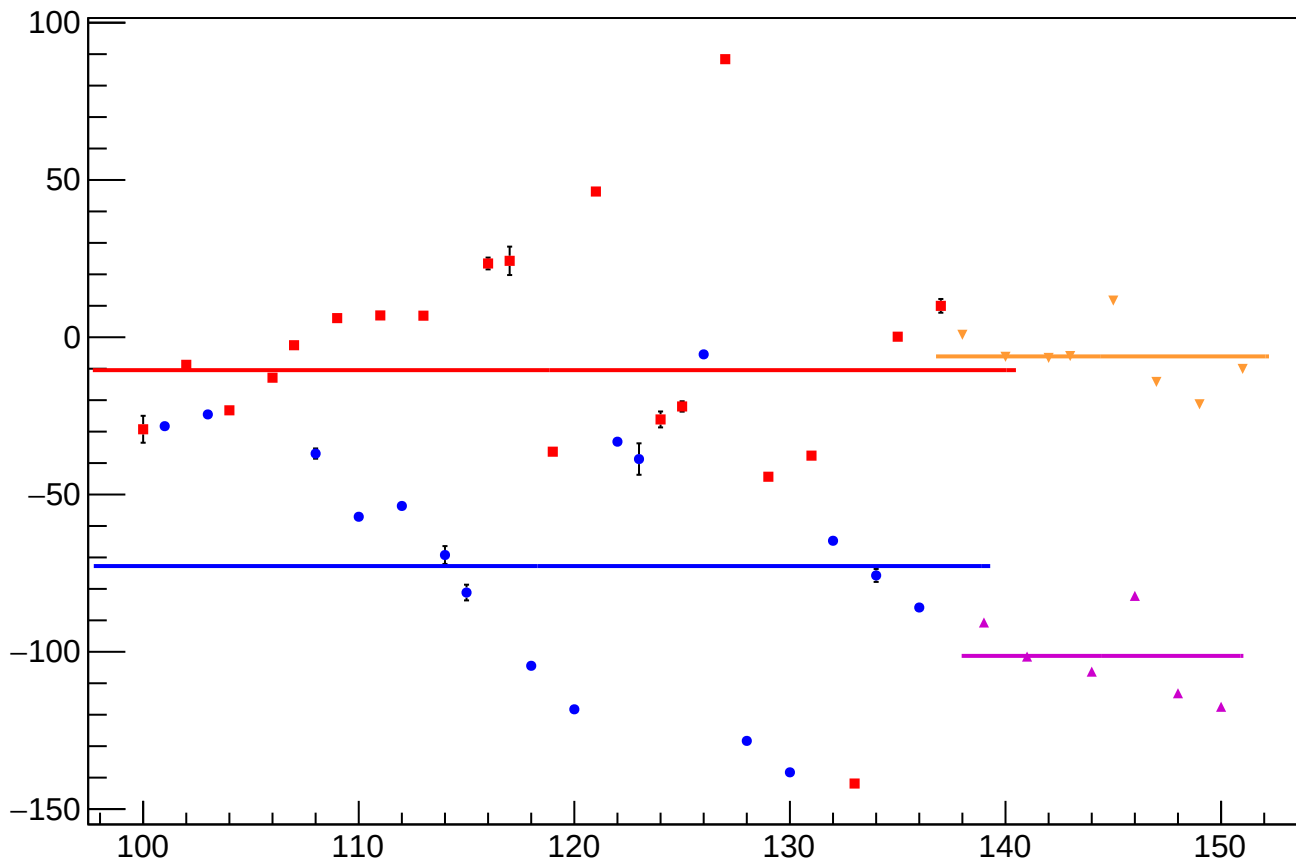
Right Out: 1315.669 ± 0.349 χ^2/NDF : 83739.0/19

Left In: 1357.371 ± 0.436 χ^2/NDF : 29668.8/5

1333.648 ± 0.268 χ^2/NDF : 111417.5/24

1331.943 ± 0.272 χ^2/NDF : 118984.5/25

diff_bpm1i02X_mean vs Slug



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

Left Out: -6.090 ± 0.390 $\chi^2/\text{NDF}: 553.6/7$

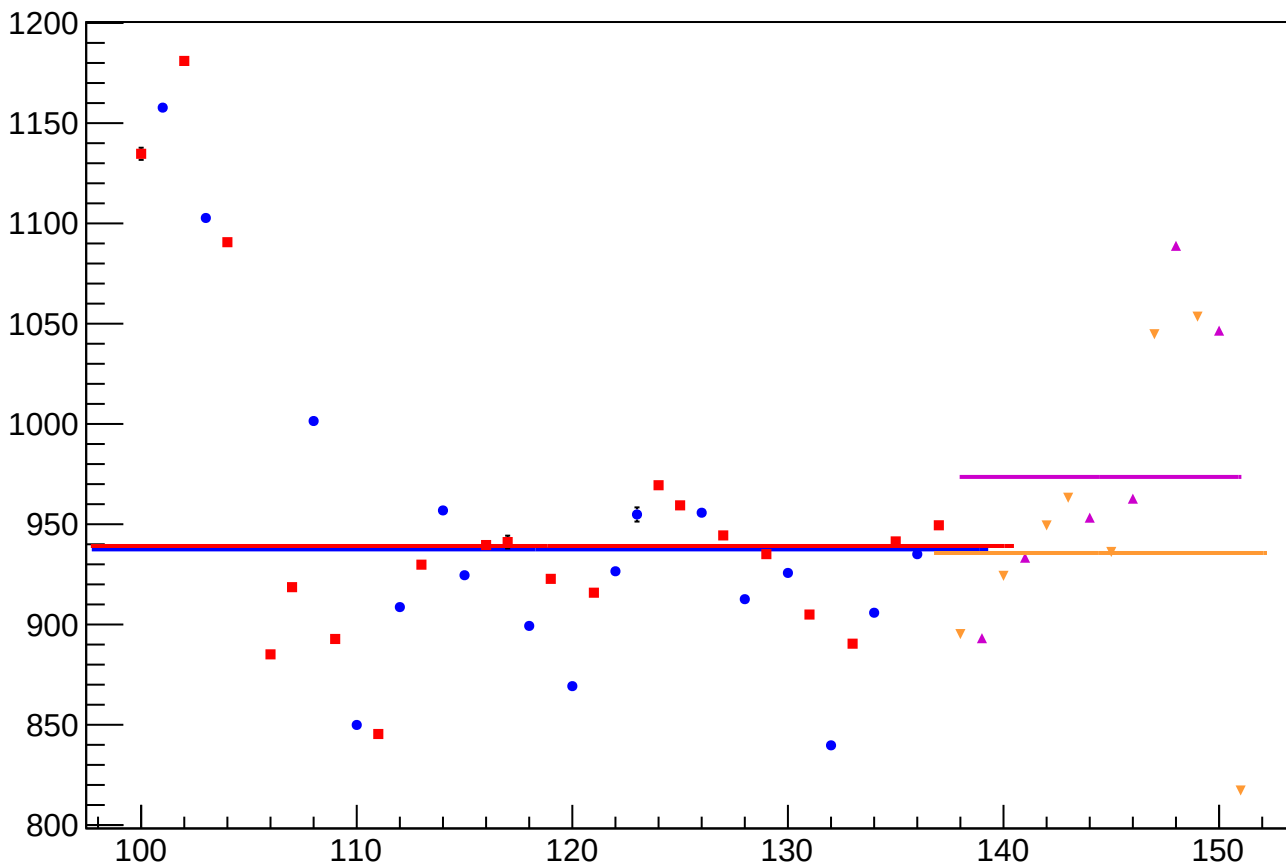
Right Out: -10.459 ± 0.351 $\chi^2/\text{NDF}: 18230.6/19$

Left In: -101.297 ± 0.442 $\chi^2/\text{NDF}: 742.8/5$

-41.883 ± 0.266 $\chi^2/\text{NDF}: 27908.0/24$

-45.625 ± 0.275 $\chi^2/\text{NDF}: 44863.7/25$

diff_bpm1i02X_rms vs Slug



Right In: 937.454 ± 0.256 χ^2/NDF : 98307.6/16

Left Out: 935.663 ± 0.276 χ^2/NDF : 75432.2/7

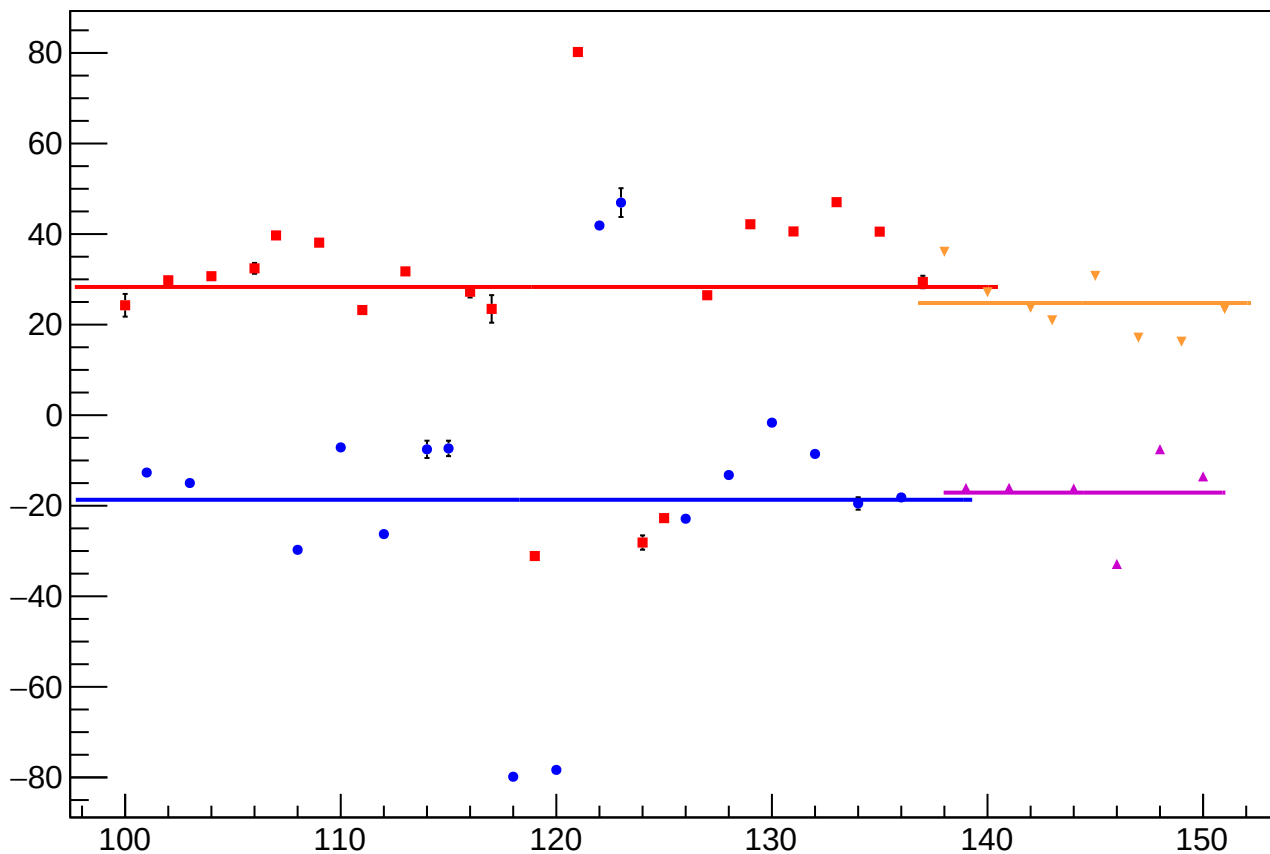
Right Out: 939.152 ± 0.248 χ^2/NDF : 90253.6/19

Left In: 973.592 ± 0.313 χ^2/NDF : 41724.0/5

936.625 ± 0.188 χ^2/NDF : 173762.4/24

952.485 ± 0.194 χ^2/NDF : 139420.9/25

diff_bpm1i02Y_mean vs Slug



Right In: -18.683 ± 0.243 $\chi^2/\text{NDF}: 13006.2/16$

Left Out: 24.772 ± 0.273 $\chi^2/\text{NDF}: 554.3/7$

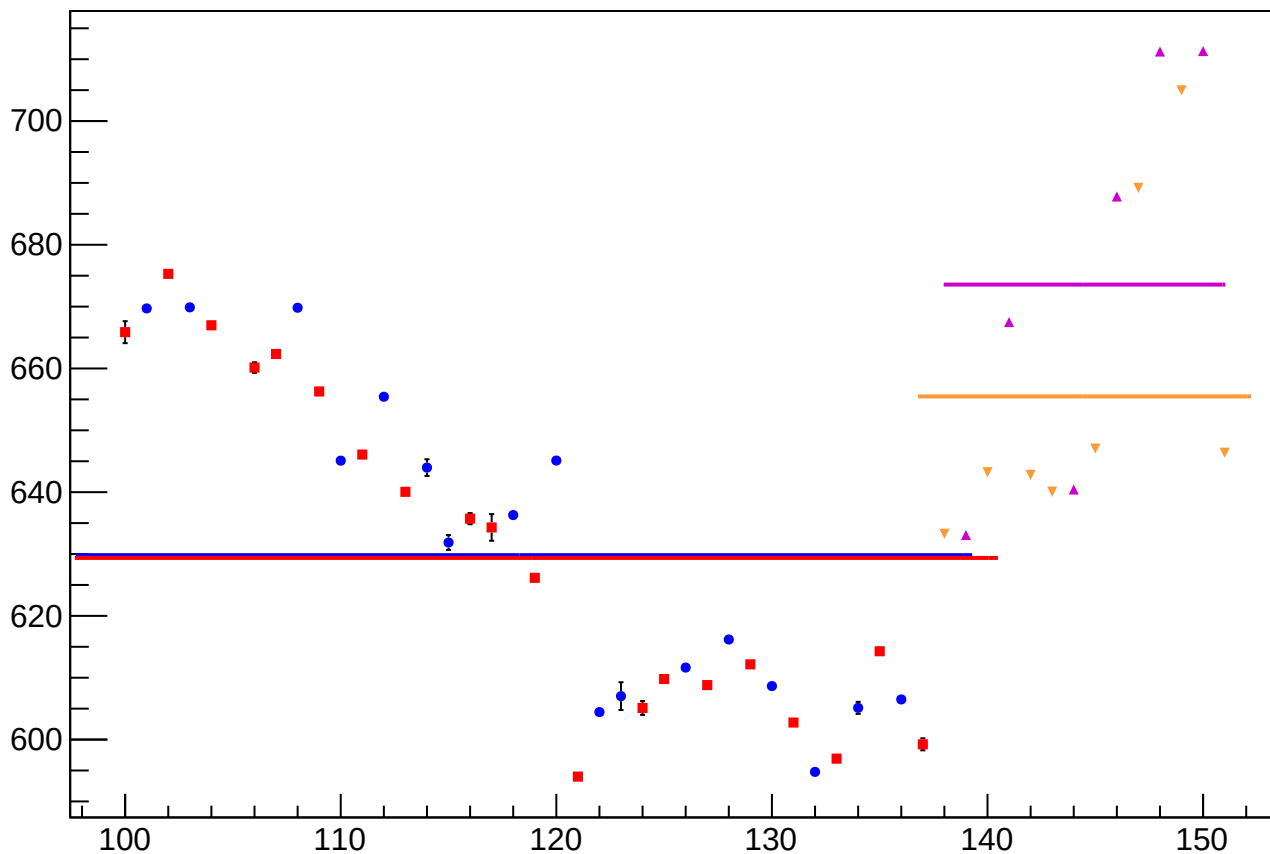
Right Out: 28.318 ± 0.235 $\chi^2/\text{NDF}: 12510.6/19$

Left In: -17.102 ± 0.305 $\chi^2/\text{NDF}: 603.6/5$

0.525 ± 0.181 $\chi^2/\text{NDF}: 27735.8/24$

11.443 ± 0.186 $\chi^2/\text{NDF}: 27021.8/25$

diff_bpm1i02Y_rms vs Slug



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

Left Out: 655.481+/-0.193 χ^2/NDF : 15736.7/7

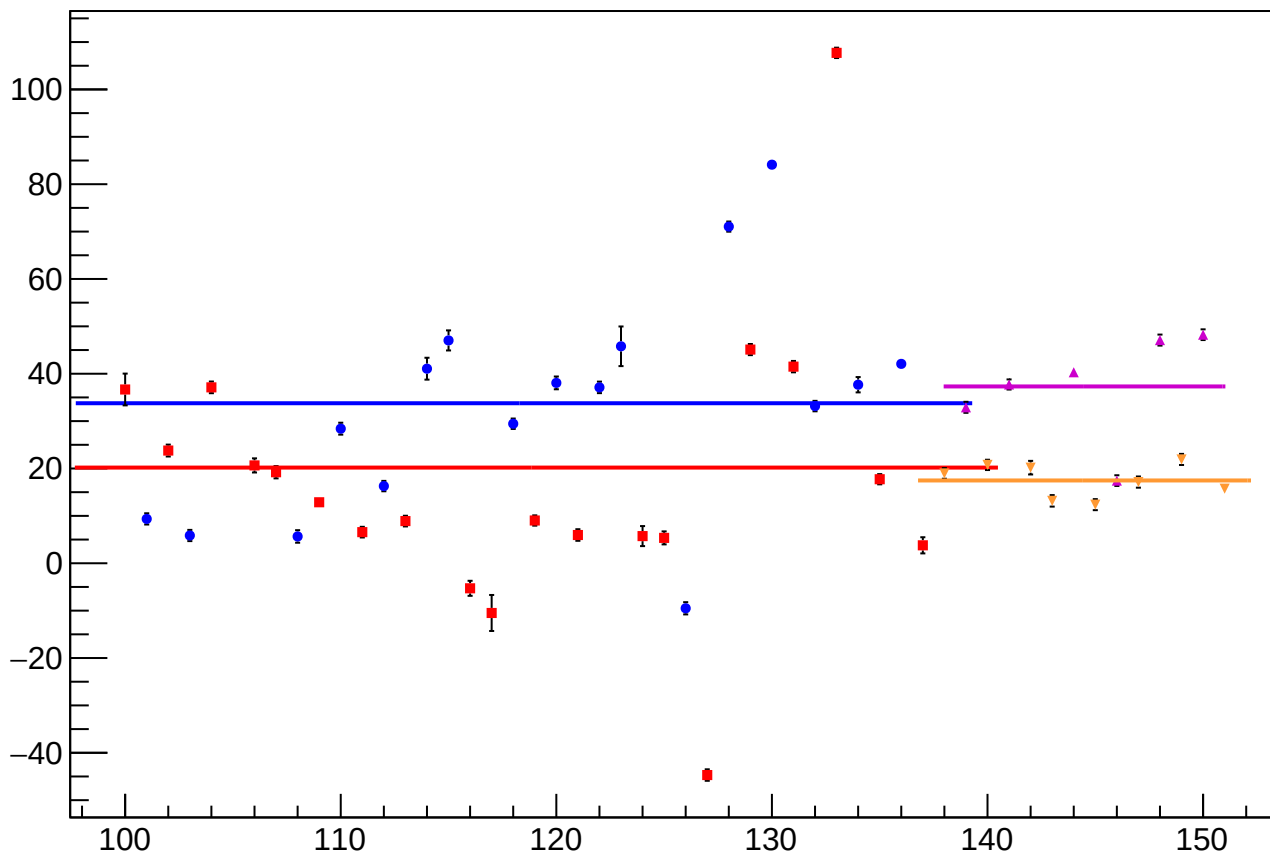
Right Out: 629.370+/-0.166 χ^2/NDF : 25543.7/19

Left In: 673.561+/-0.216 χ^2/NDF : 20435.4/5

641.160+/-0.128 χ^2/NDF : 48925.0/24

645.788+/-0.132 χ^2/NDF : 72310.6/25

diff_bpm1i04X_mean vs Slug



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

Left Out: 17.475+/-0.412 χ^2/NDF : 63.3/7

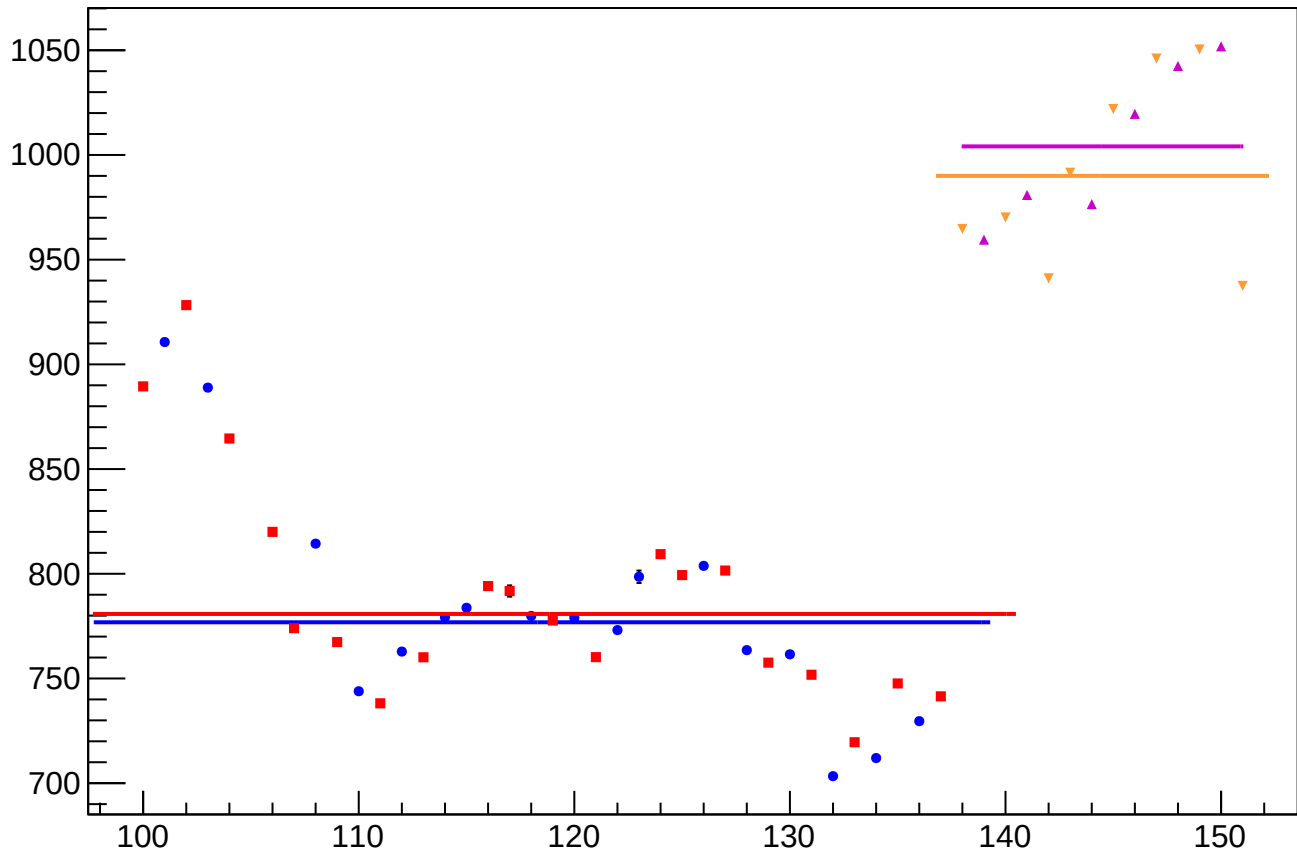
Right Out: 20.193+/-0.292 χ^2/NDF : 11353.3/19

Left In: 37.317+/-0.455 χ^2/NDF : 496.6/5

28.128+/-0.242 χ^2/NDF : 7574.1/24

25.175+/-0.246 χ^2/NDF : 12852.8/25

diff_bpm1i04X_rms vs Slug



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

Left Out: 990.017 $\pm$ 0.291 χ^2 /NDF: 20348.7/7

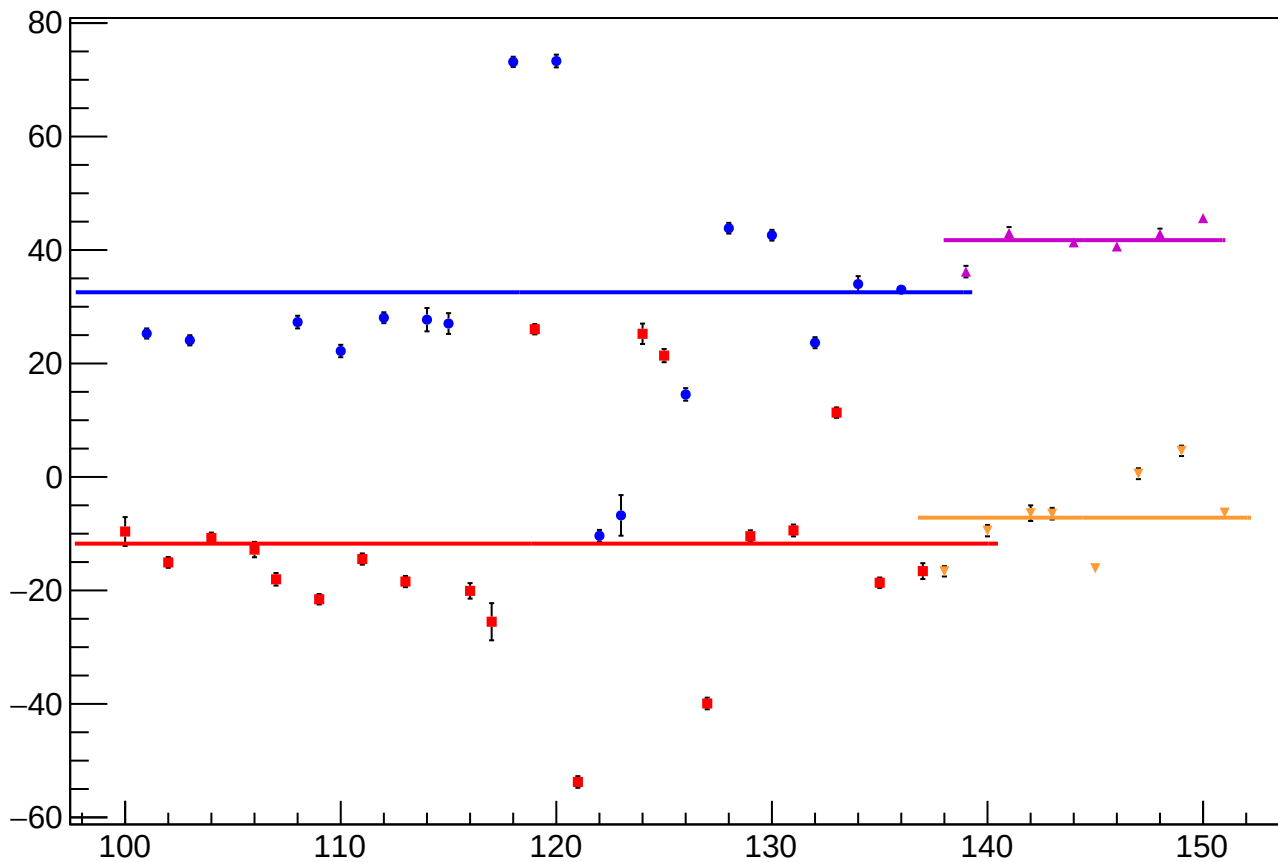
Right Out: 780.820 $\pm$ 0.206 χ^2 /NDF: 57445.6/19

Left In: 1004.091 $\pm$ 0.322 χ^2 /NDF: 11375.4/5

850.669 $\pm$ 0.171 χ^2 /NDF: 437843.7/24

845.775 $\pm$ 0.174 χ^2 /NDF: 409797.3/25

diff_bpm1i04Y_mean vs Slug



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

Left Out: -7.174 ± 0.339 χ^2/NDF : 449.2/7

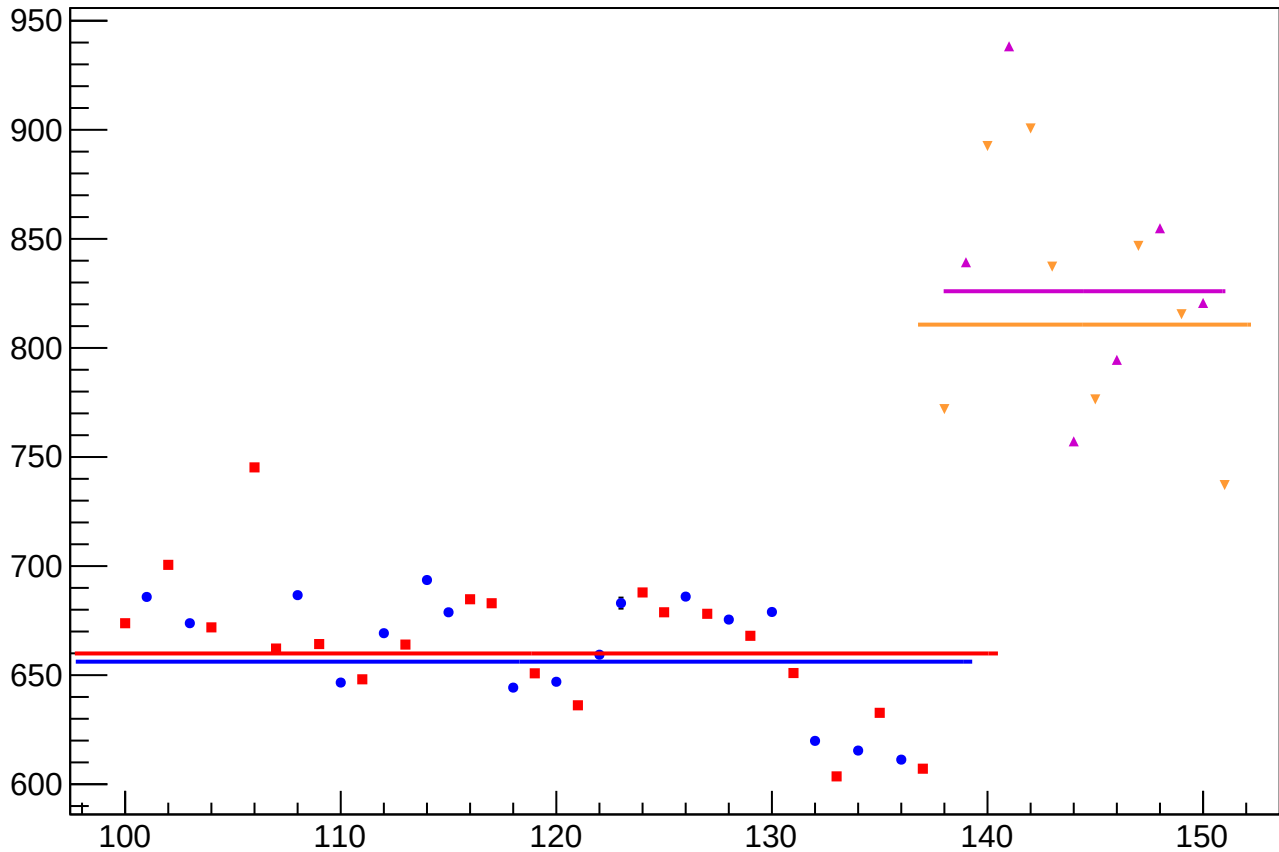
Right Out: -11.752 ± 0.246 χ^2/NDF : 6375.4/19

Left In: 41.738 ± 0.377 χ^2/NDF : 53.6/5

18.327 ± 0.203 χ^2/NDF : 15360.3/24

4.241 ± 0.206 χ^2/NDF : 20531.3/25

diff_bpm1i04Y_rms vs Slug



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

Left Out: 810.698+/-0.239 χ^2/NDF : 48704.5/7

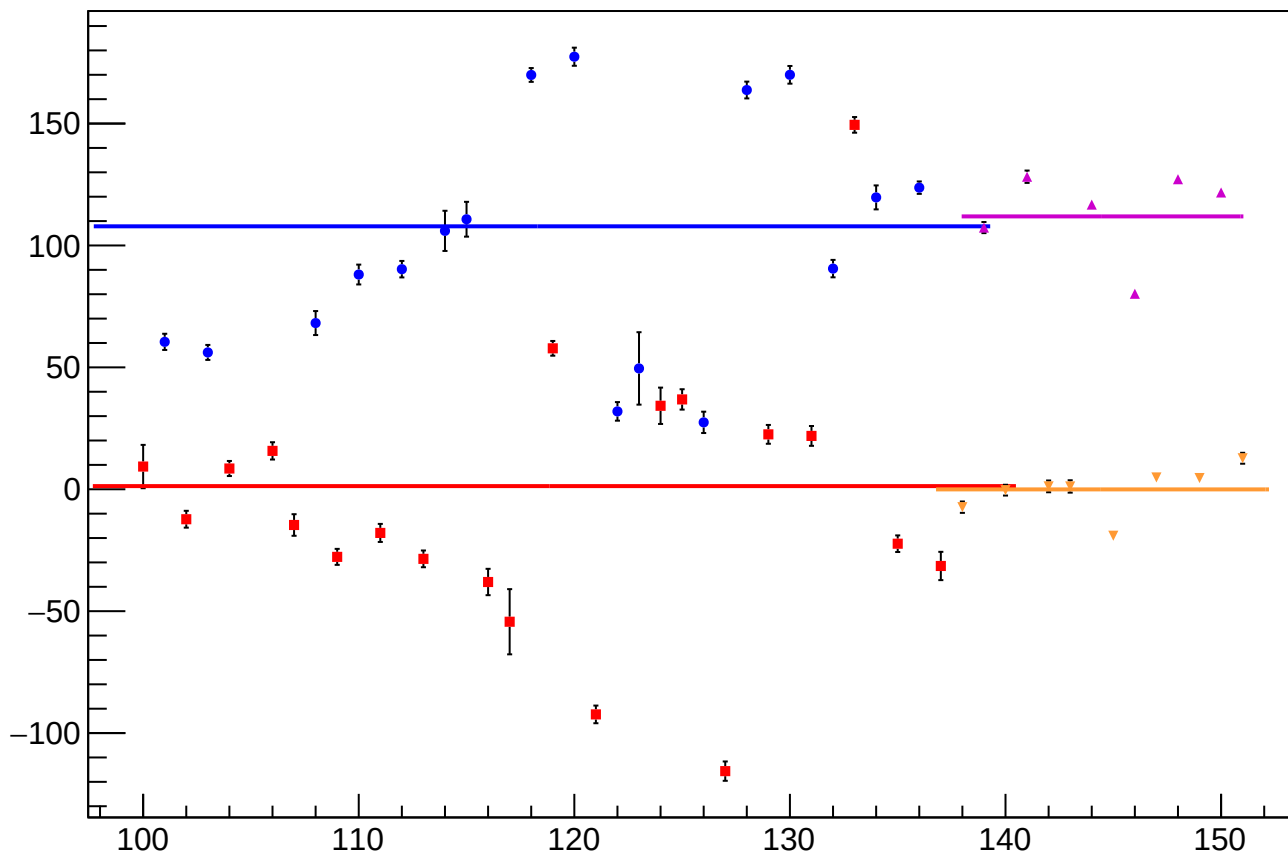
Right Out: 659.944+/-0.174 χ^2/NDF : 28425.0/19

Left In: 825.997+/-0.267 χ^2/NDF : 41890.5/5

711.510+/-0.143 χ^2/NDF : 339693.6/24

709.592+/-0.146 χ^2/NDF : 342132.9/25

diff_bpm1i06X_mean vs Slug



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

Left Out: -0.051 $\pm$ 0.744 χ^2 /NDF:145.6/7

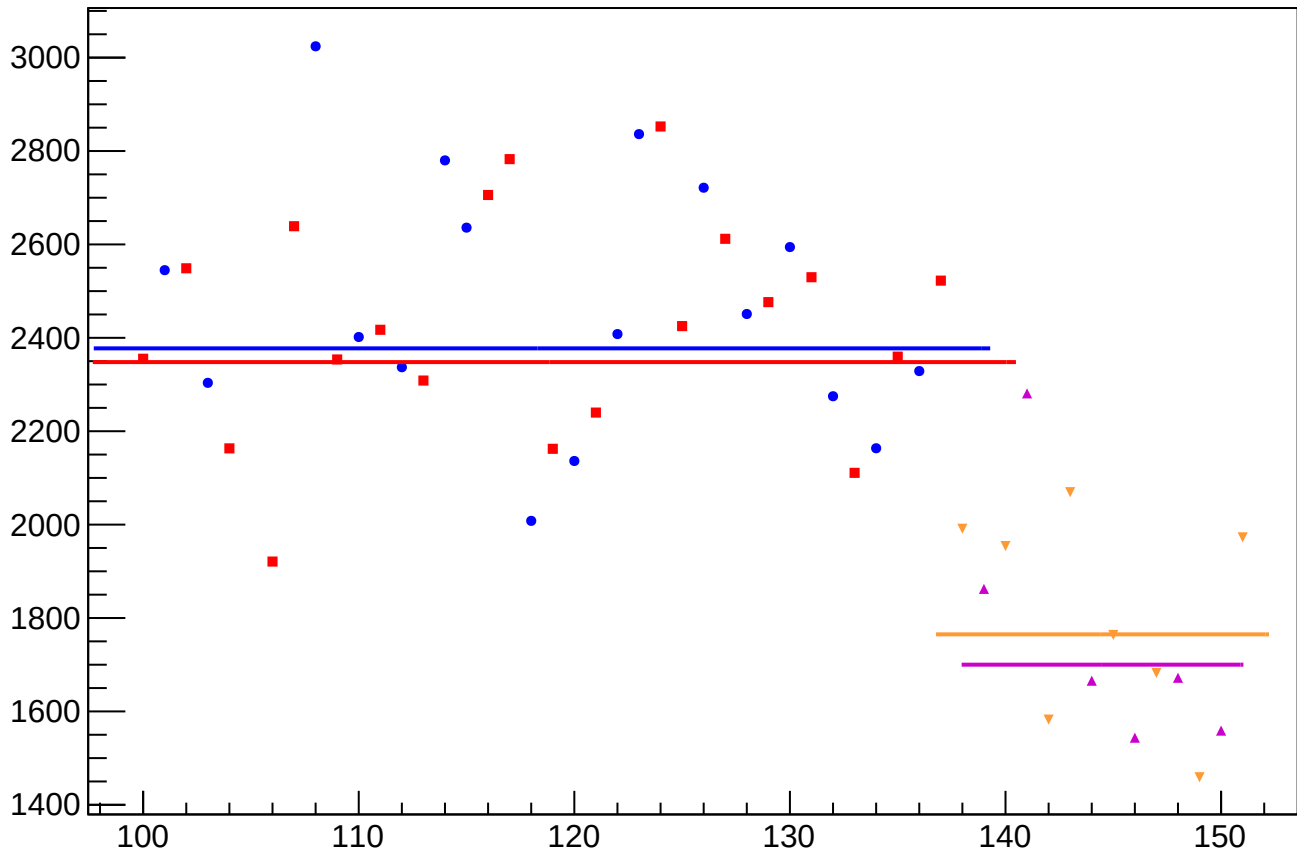
Right Out: 1.299 $\pm$ 0.881 χ^2 /NDF: 4541.1/19

Left In: 111.921 $\pm$ 0.784 χ^2 /NDF:494.6/5

42.502 $\pm$ 0.579 χ^2 /NDF: 11257.9/24

63.046 $\pm$ 0.586 χ^2 /NDF: 13828.4/25

diff_bpm1i06X_rms vs Slug



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

Left Out: 1765.022+/-0.526 χ^2/NDF : 164727.8/7

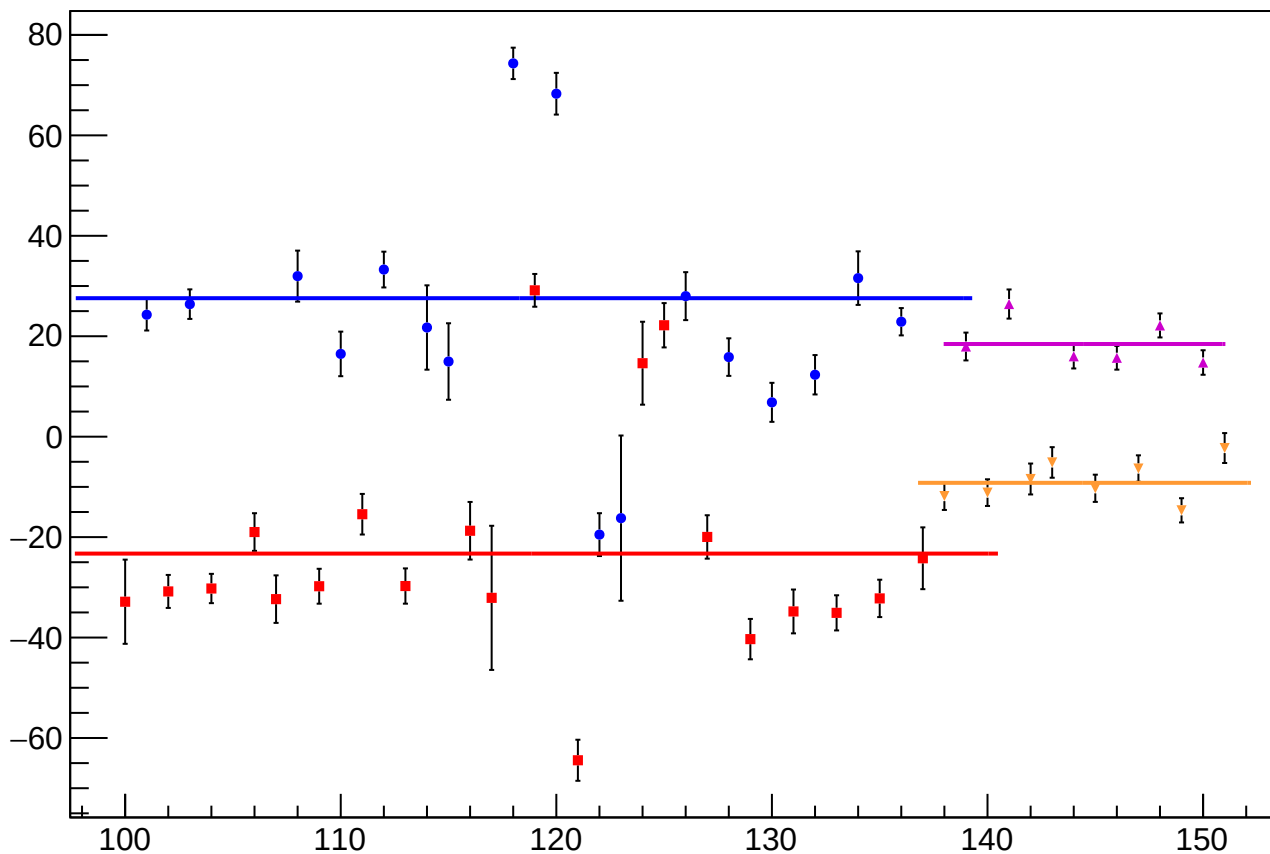
Right Out: 2348.017+/-0.623 χ^2/NDF : 110379.6/19

Left In: 1700.083+/-0.554 χ^2/NDF : 147310.0/5

2006.532+/-0.409 χ^2/NDF : 819295.2/24

1986.353+/-0.414 χ^2/NDF : 860988.1/25

diff_bpm1i06Y_mean vs Slug



Right In: 27.577 $\pm$ 0.975 χ^2 /NDF: 519.6/16

Left Out: -9.189 $\pm$ 0.975 χ^2 /NDF: 15.2/7

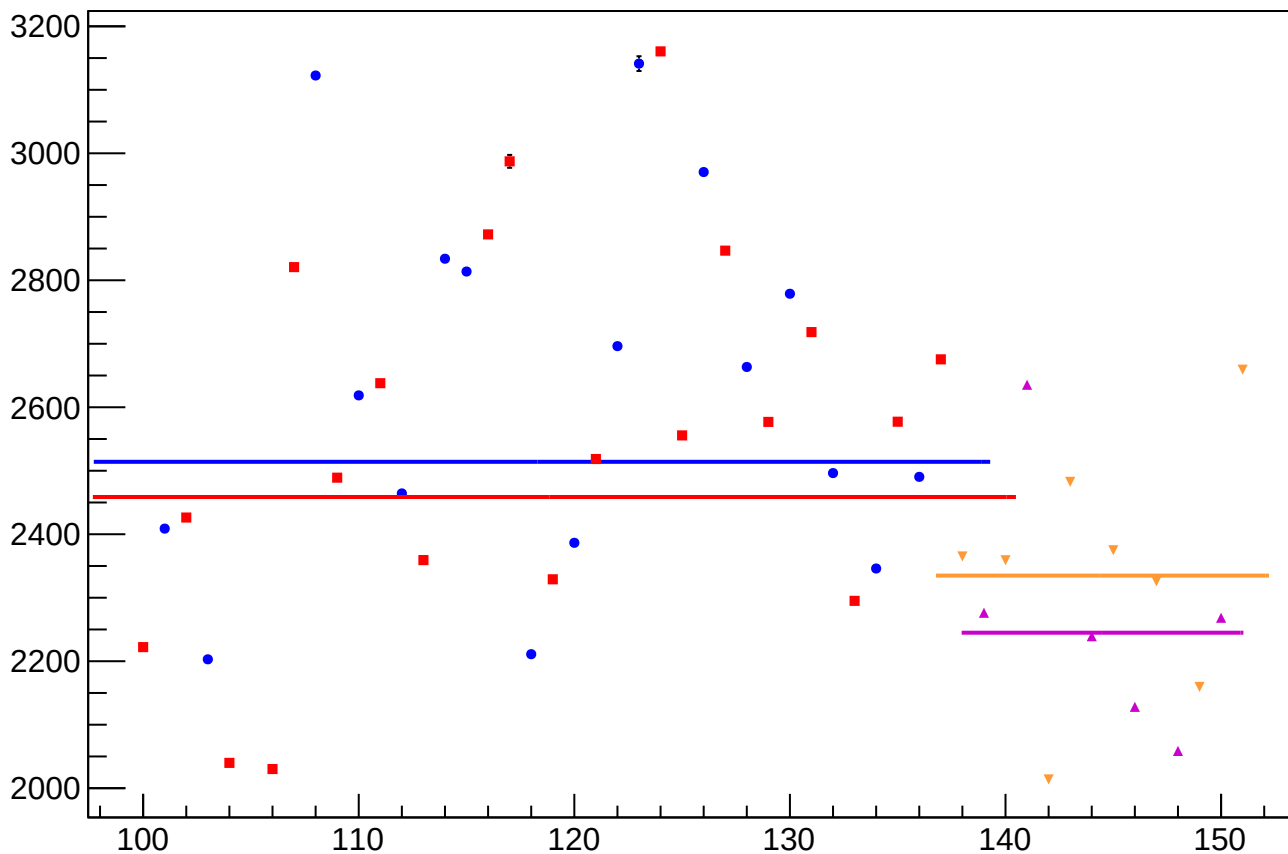
Right Out: -23.280 $\pm$ 0.925 χ^2 /NDF: 558.2/19

Left In: 18.453 $\pm$ 1.031 χ^2 /NDF: 14.6/5

9.207 $\pm$ 0.690 χ^2 /NDF: 1245.5/24

-4.661 $\pm$ 0.688 χ^2 /NDF: 1480.8/25

diff_bpm1i06Y_rms vs Slug



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

Left Out: 2334.865+/-0.690 χ^2/NDF : 61577.4/7

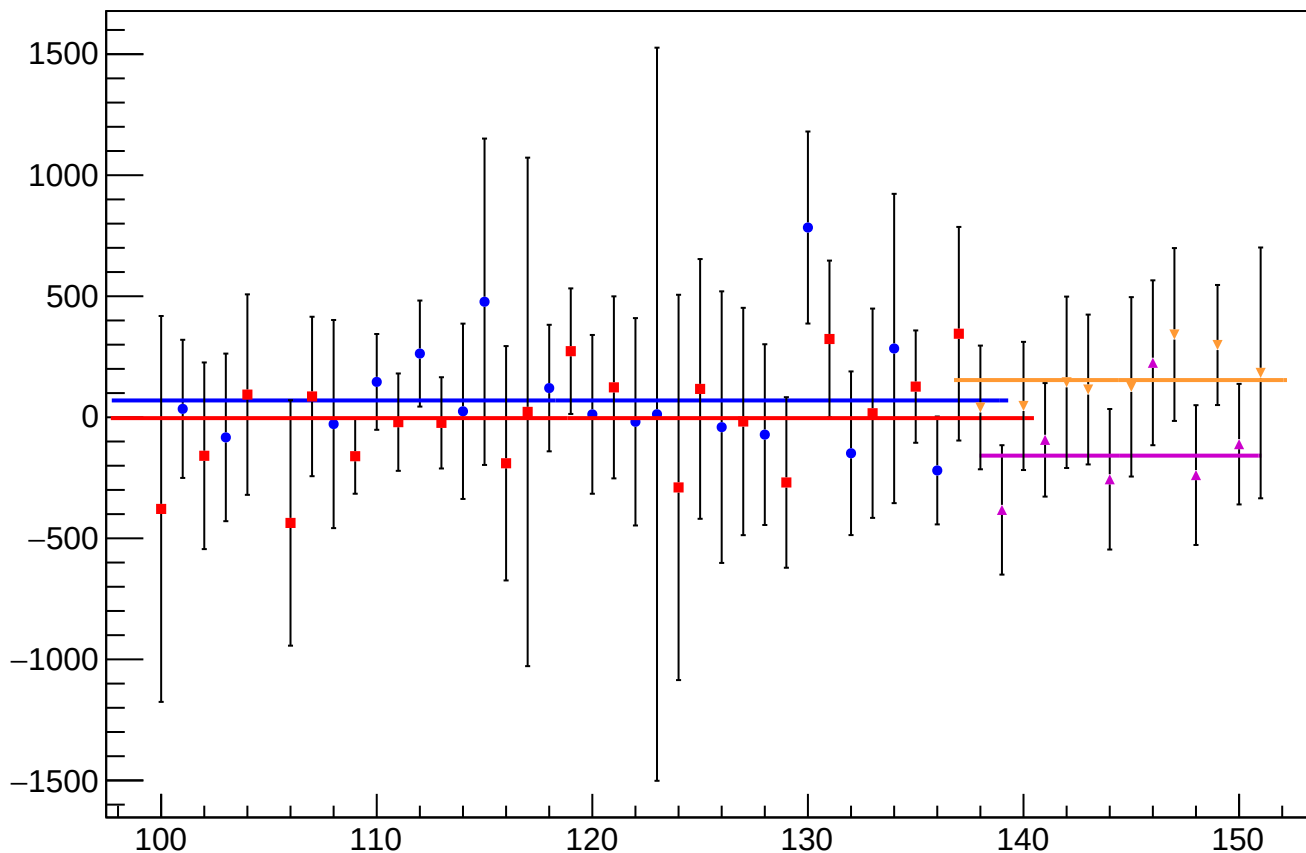
Right Out: 2458.665+/-0.654 χ^2/NDF : 152458.1/19

Left In: 2244.910+/-0.729 χ^2/NDF : 53671.8/5

2424.543+/-0.488 χ^2/NDF : 216319.1/24

2363.300+/-0.487 χ^2/NDF : 253771.2/25

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: 153.762+/-109.686 χ^2/NDF : 1.0/7

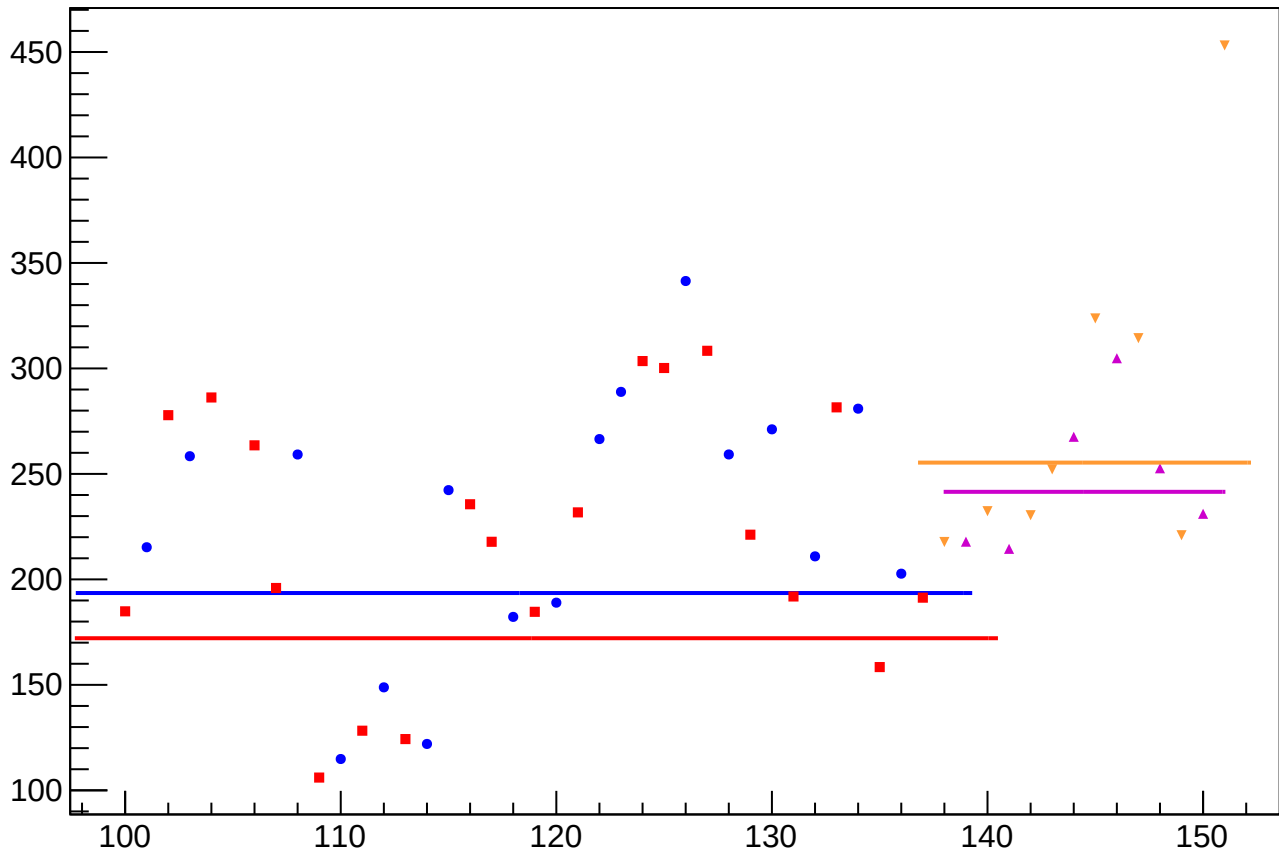
Right Out: -3.448+/-69.825 χ^2/NDF : 6.4/19

Left In: -158.393+/-111.252 χ^2/NDF : 2.3/5

98.349+/-64.116 χ^2/NDF : 8.7/24

-47.234+/-59.141 χ^2/NDF : 10.1/25

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: 255.361+/-0.078 χ^2/NDF :521303.1/7

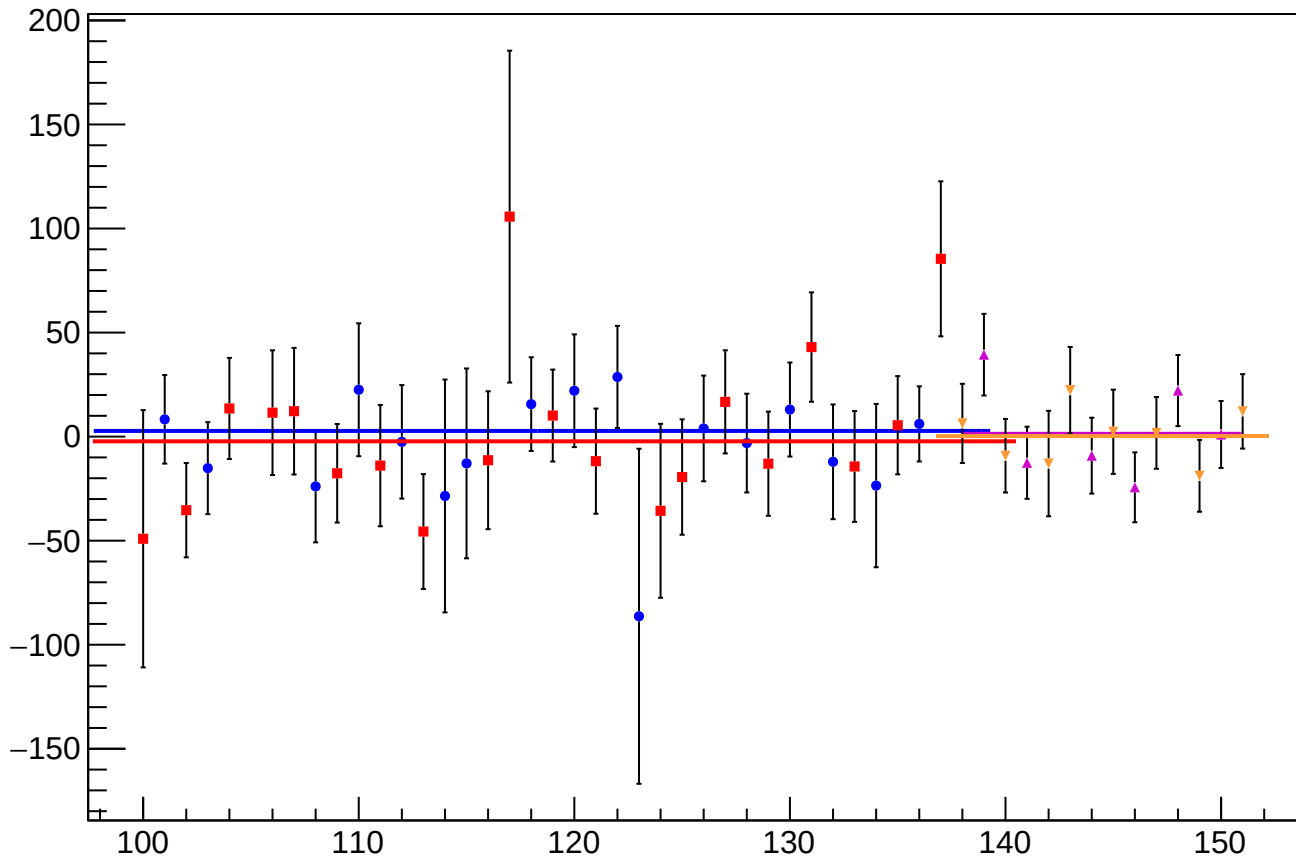
214.659+/-0.045 χ^2/NDF : 1950062.7/24

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

191.716+/-0.042 χ^2/NDF : 2273048.8/25

Left In: 241.505+/-0.079 χ^2/NDF :133992.5/5

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.733 $\pm$ 6.424 χ^2 /NDF: 6.8/16

Left Out: 0.282 $\pm$ 6.723 χ^2 /NDF: 3.5/7

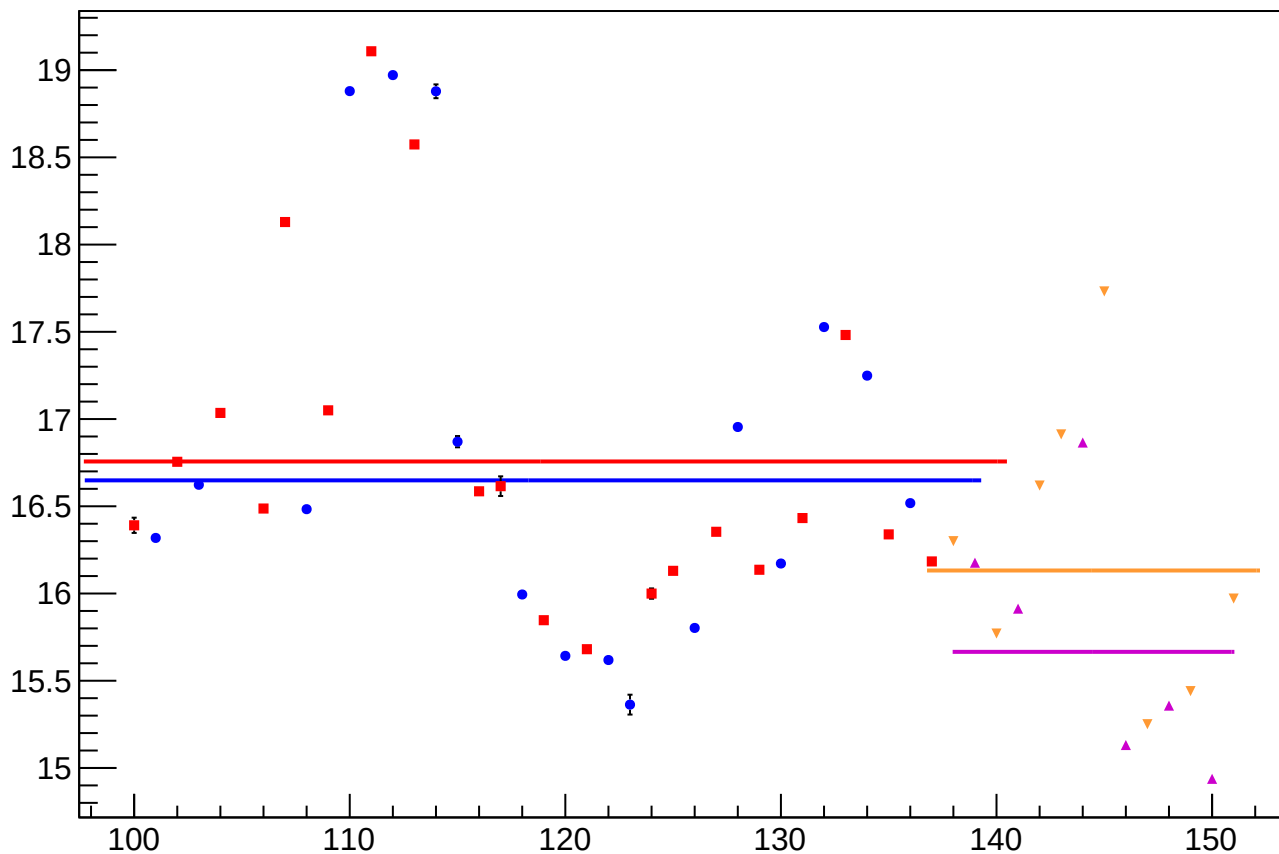
Right Out: -2.259 $\pm$ 6.259 χ^2 /NDF: 19.6/19

Left In: 1.332 $\pm$ 7.110 χ^2 /NDF: 8.6/5

1.563 $\pm$ 4.645 χ^2 /NDF: 10.3/24

-0.691 $\pm$ 4.698 χ^2 /NDF: 28.3/25

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: 16.132 $\pm$ 0.005 χ^2 /NDF: 25638.5/7

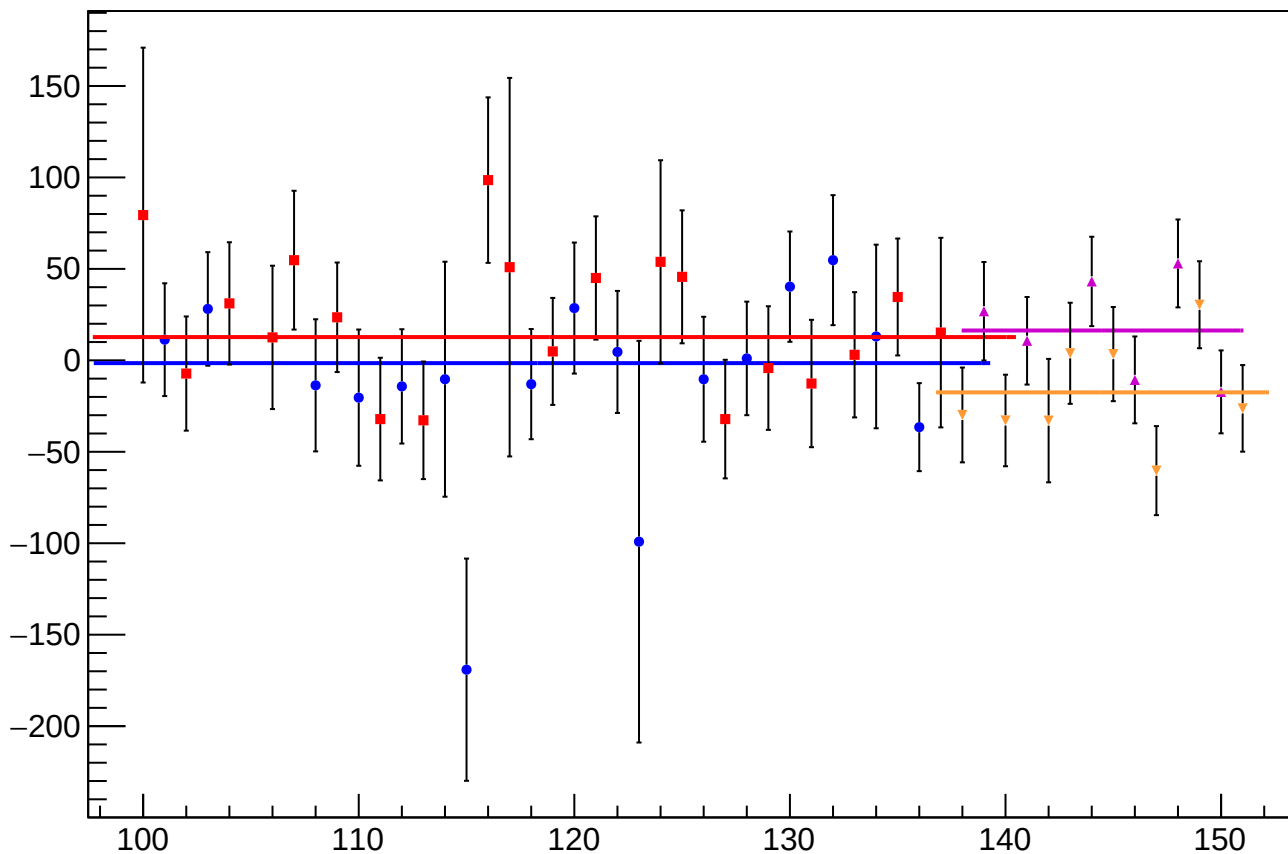
Right Out: 16.757 $\pm$ 0.004 χ^2 /NDF: 39957.1/19

Left In: 15.666 $\pm$ 0.005 χ^2 /NDF: 17198.2/5

16.402 $\pm$ 0.003 χ^2 /NDF: 74378.1/24

16.280 $\pm$ 0.003 χ^2 /NDF: 83696.8/25

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: -17.512 ± 9.120 $\chi^2/\text{NDF}: 9.4/7$

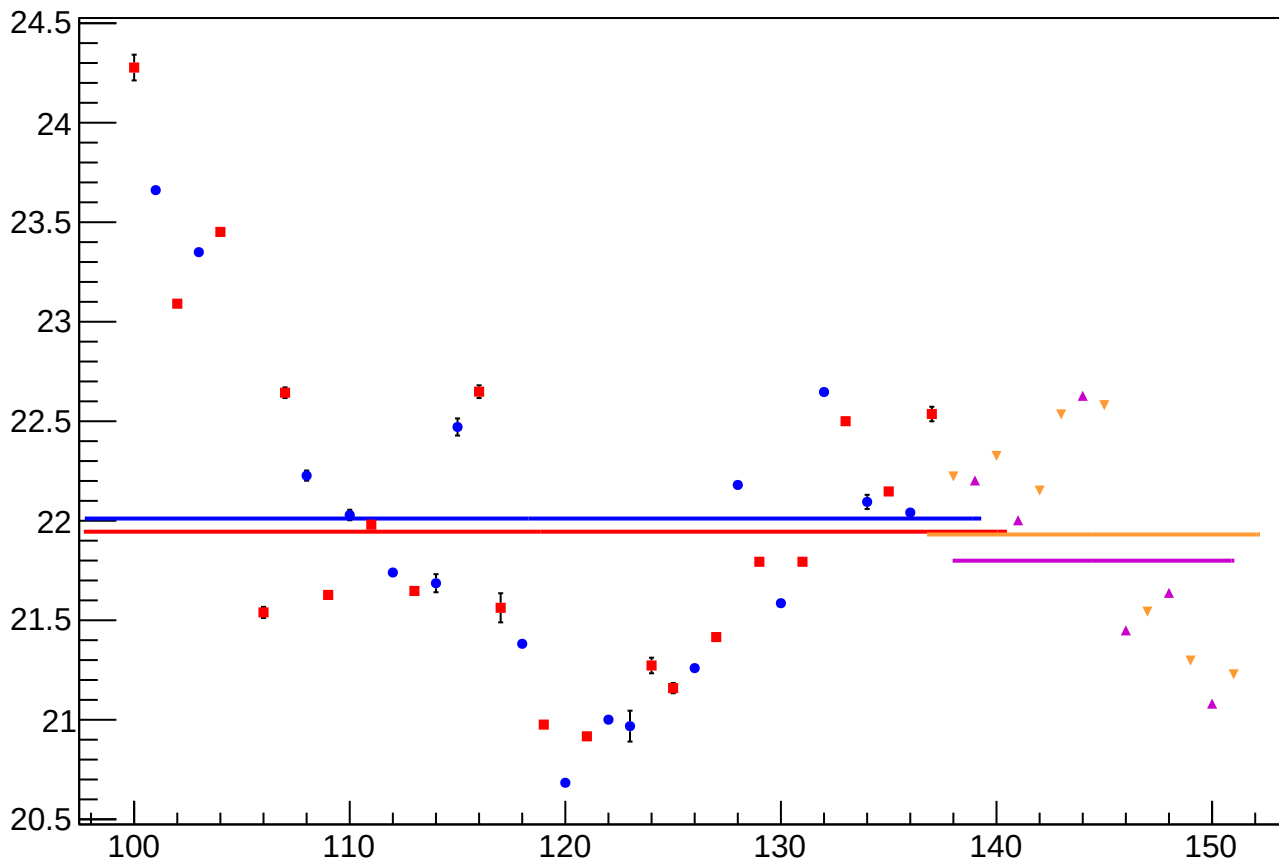
Right Out: 12.716 ± 8.185 $\chi^2/\text{NDF}: 15.7/19$

Left In: 16.313 ± 9.876 $\chi^2/\text{NDF}: 7.2/5$

-8.942 ± 6.212 $\chi^2/\text{NDF}: 28.6/24$

14.181 ± 6.302 $\chi^2/\text{NDF}: 23.0/25$

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



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

Left Out: 21.931 $\pm$ 0.006 χ^2 /NDF: 6751.0/7

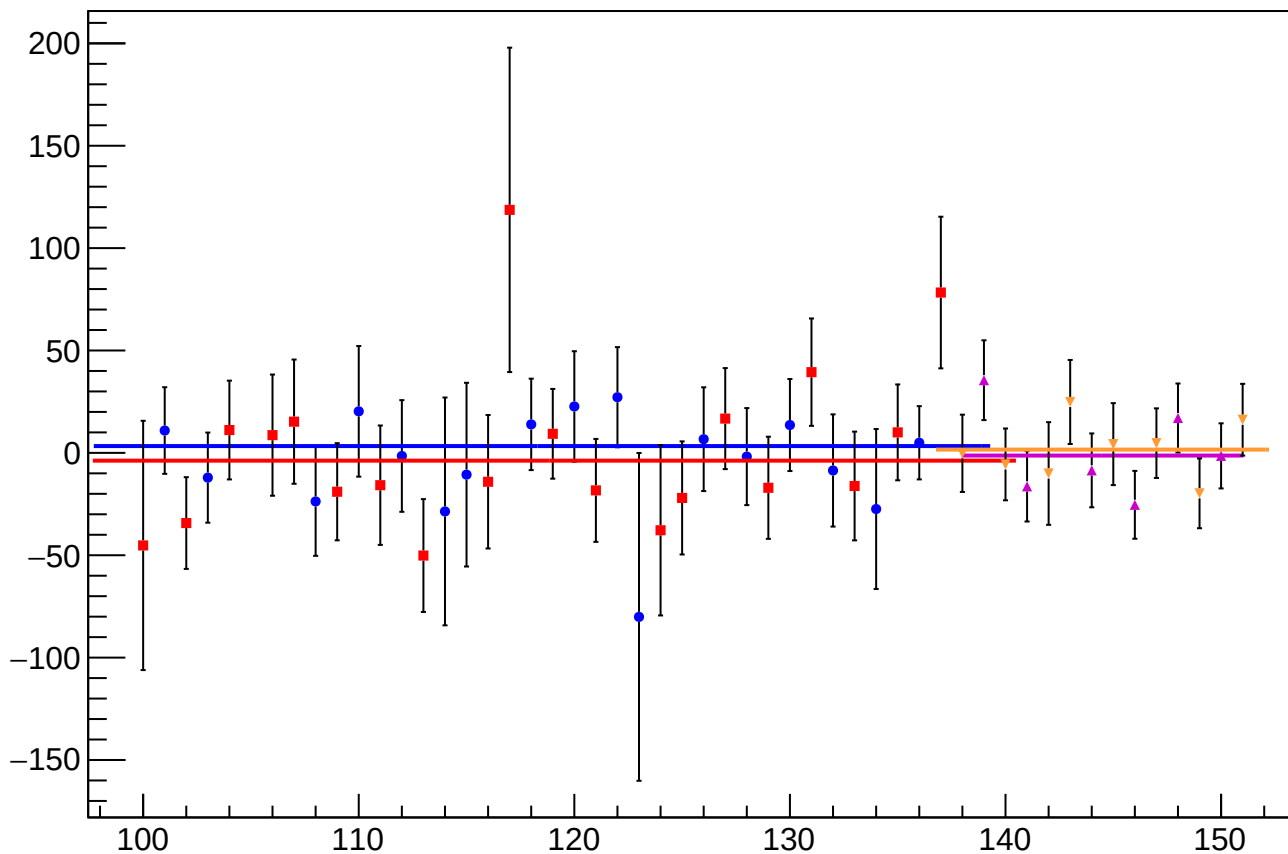
Right Out: 21.945 $\pm$ 0.006 χ^2 /NDF: 16620.2/19

Left In: 21.799 $\pm$ 0.007 χ^2 /NDF: 5425.6/5

21.974 $\pm$ 0.004 χ^2 /NDF: 24380.6/24

21.886 $\pm$ 0.004 χ^2 /NDF: 22303.6/25

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



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

Left Out: 1.586 $\pm$ 6.641 χ^2 /NDF: 4.0/7

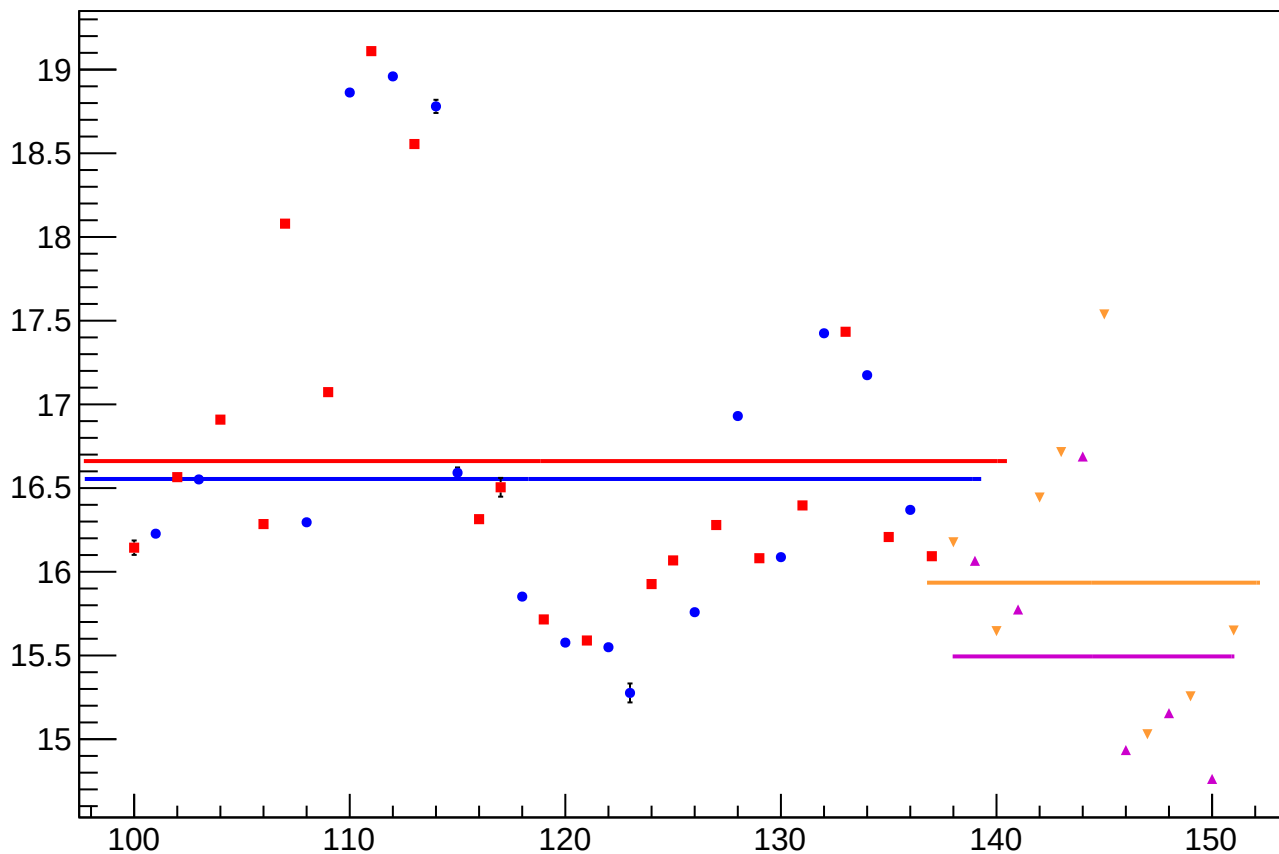
Right Out: -3.800 $\pm$ 6.224 χ^2 /NDF: 20.1/19

Left In: -1.309 $\pm$ 7.033 χ^2 /NDF: 7.8/5

2.485 $\pm$ 4.604 χ^2 /NDF: 10.3/24

-2.706 $\pm$ 4.661 χ^2 /NDF: 28.0/25

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: 15.935+/-0.005 χ^2/NDF : 26784.4/7

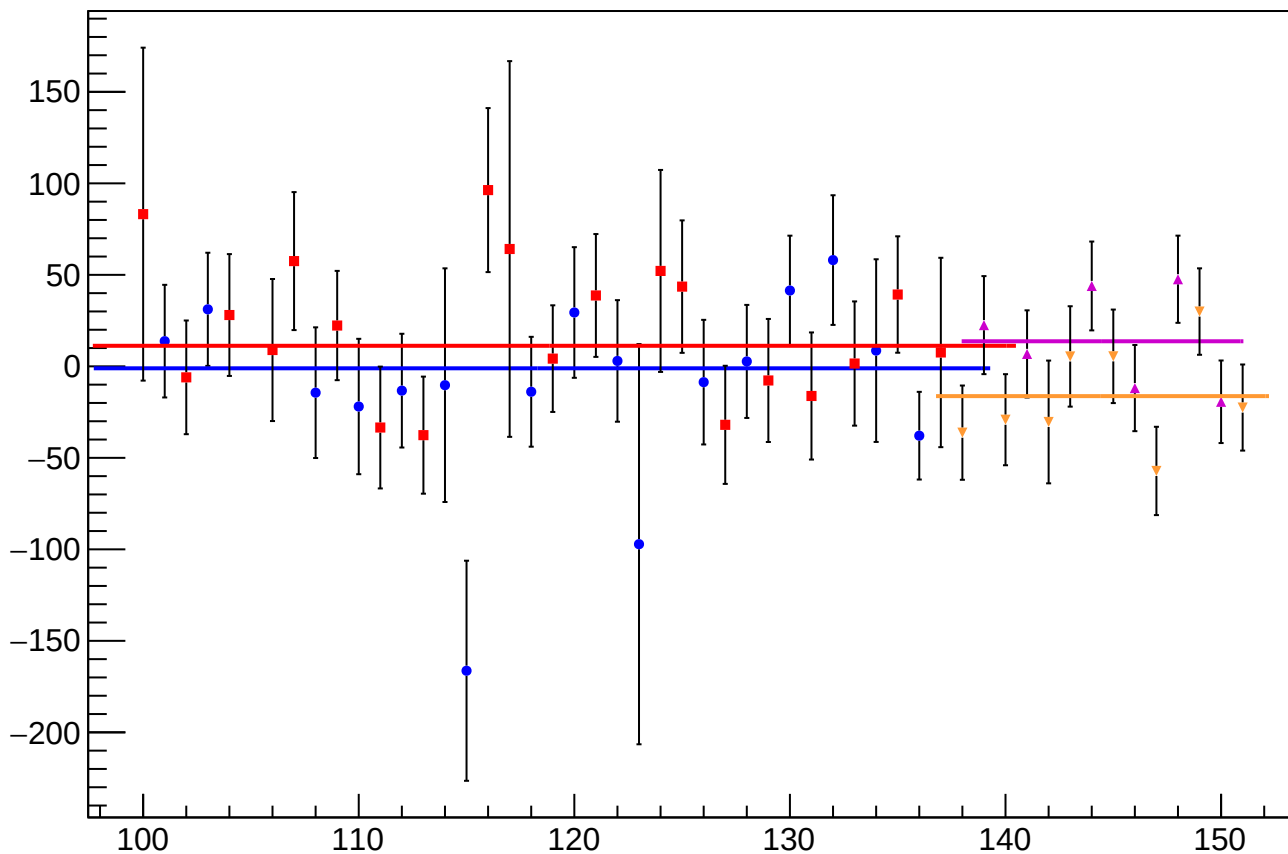
Right Out: 16.661+/-0.004 χ^2/NDF : 43071.4/19

Left In: 15.494+/-0.005 χ^2/NDF : 18346.8/5

16.257+/-0.003 χ^2/NDF : 80297.1/24

16.149+/-0.003 χ^2/NDF : 92297.9/25

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



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

Left Out: -16.271 ± 9.058 $\chi^2/\text{NDF}: 9.2/7$

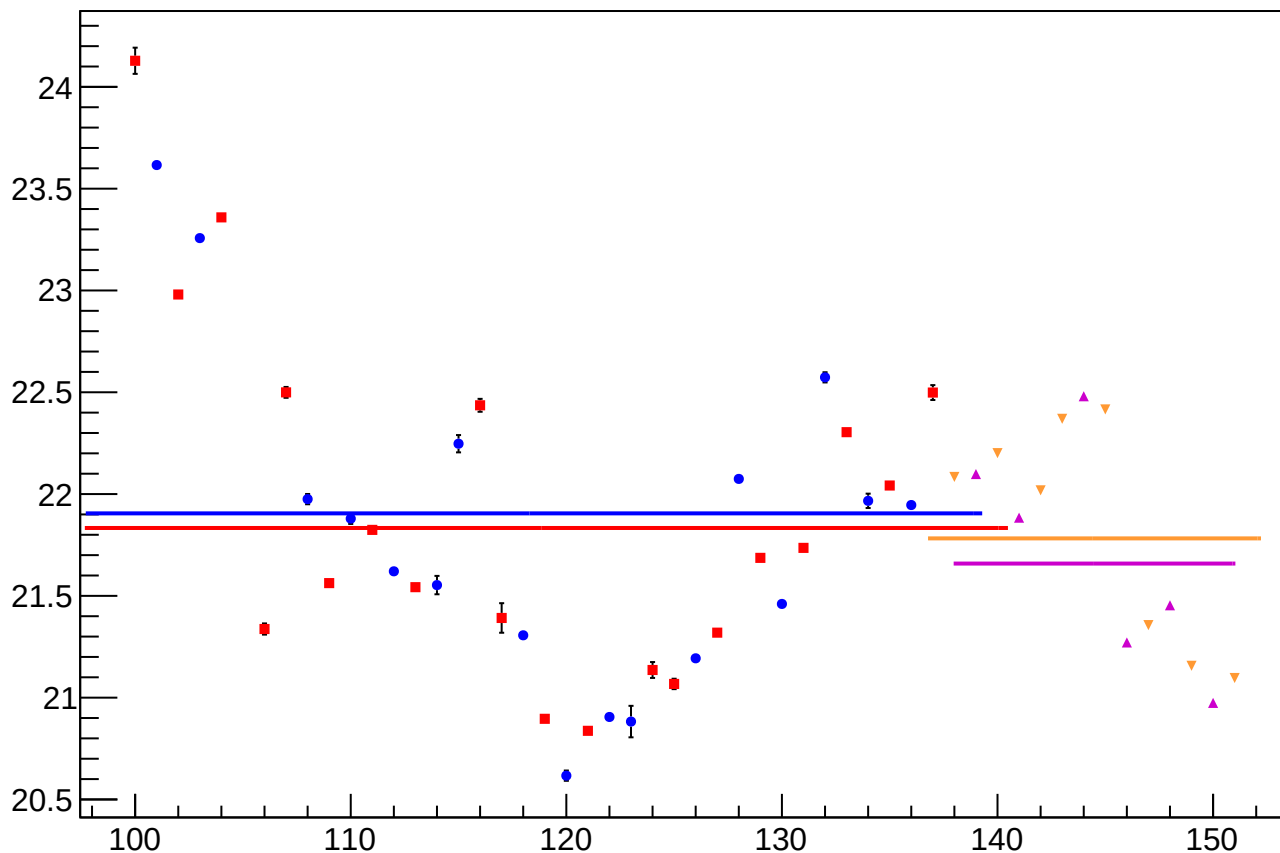
Right Out: 11.235 ± 8.143 $\chi^2/\text{NDF}: 16.5/19$

Left In: 13.705 ± 9.813 $\chi^2/\text{NDF}: 7.1/5$

-8.137 ± 6.177 $\chi^2/\text{NDF}: 29.1/24$

12.242 ± 6.266 $\chi^2/\text{NDF}: 23.6/25$

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



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

Left Out: 21.782+/-0.006 χ^2/NDF : 6811.6/7

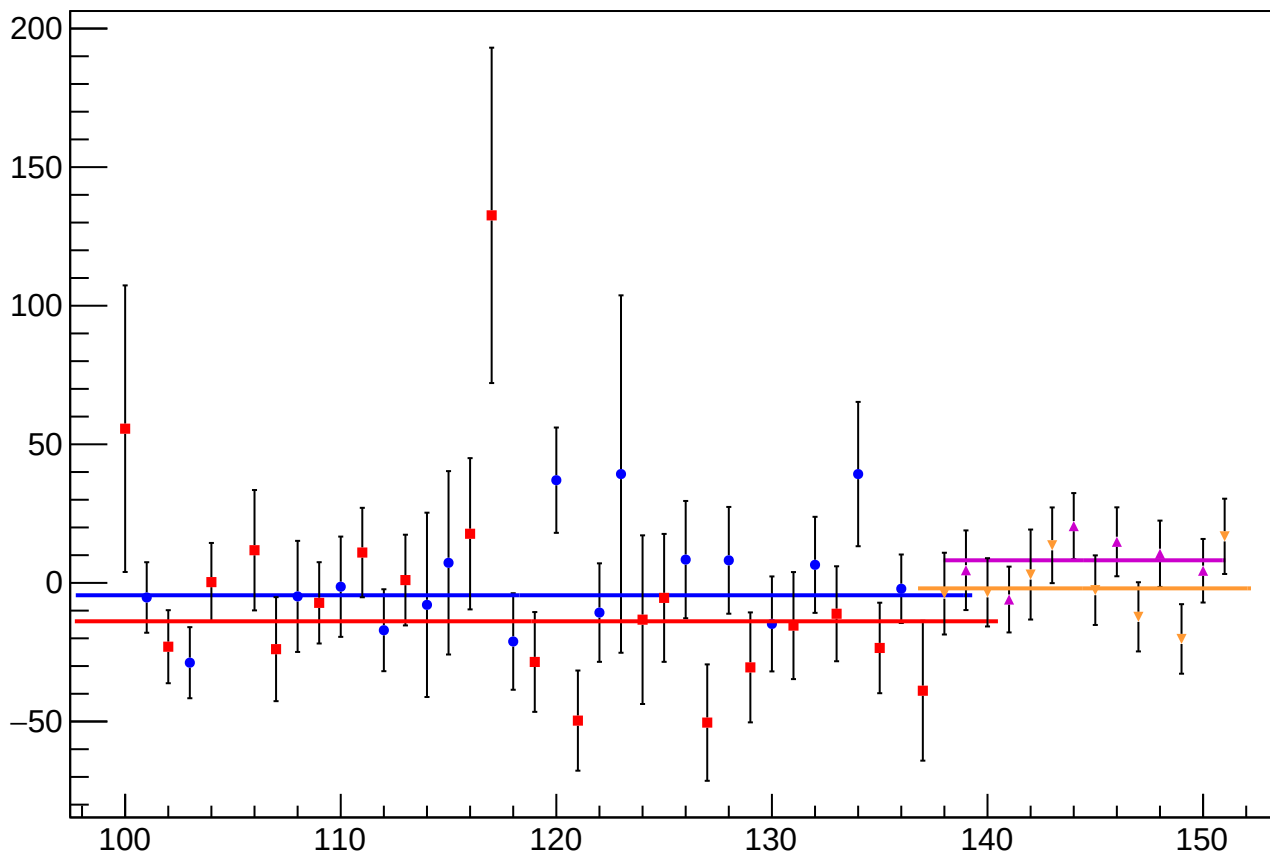
Right Out: 21.833+/-0.006 χ^2/NDF : 16288.5/19

Left In: 21.659+/-0.007 χ^2/NDF : 5541.4/5

21.848+/-0.004 χ^2/NDF : 24802.8/24

21.762+/-0.004 χ^2/NDF : 22205.7/25

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



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

Left Out: -1.975 ± 4.720 χ^2/NDF : 6.1/7

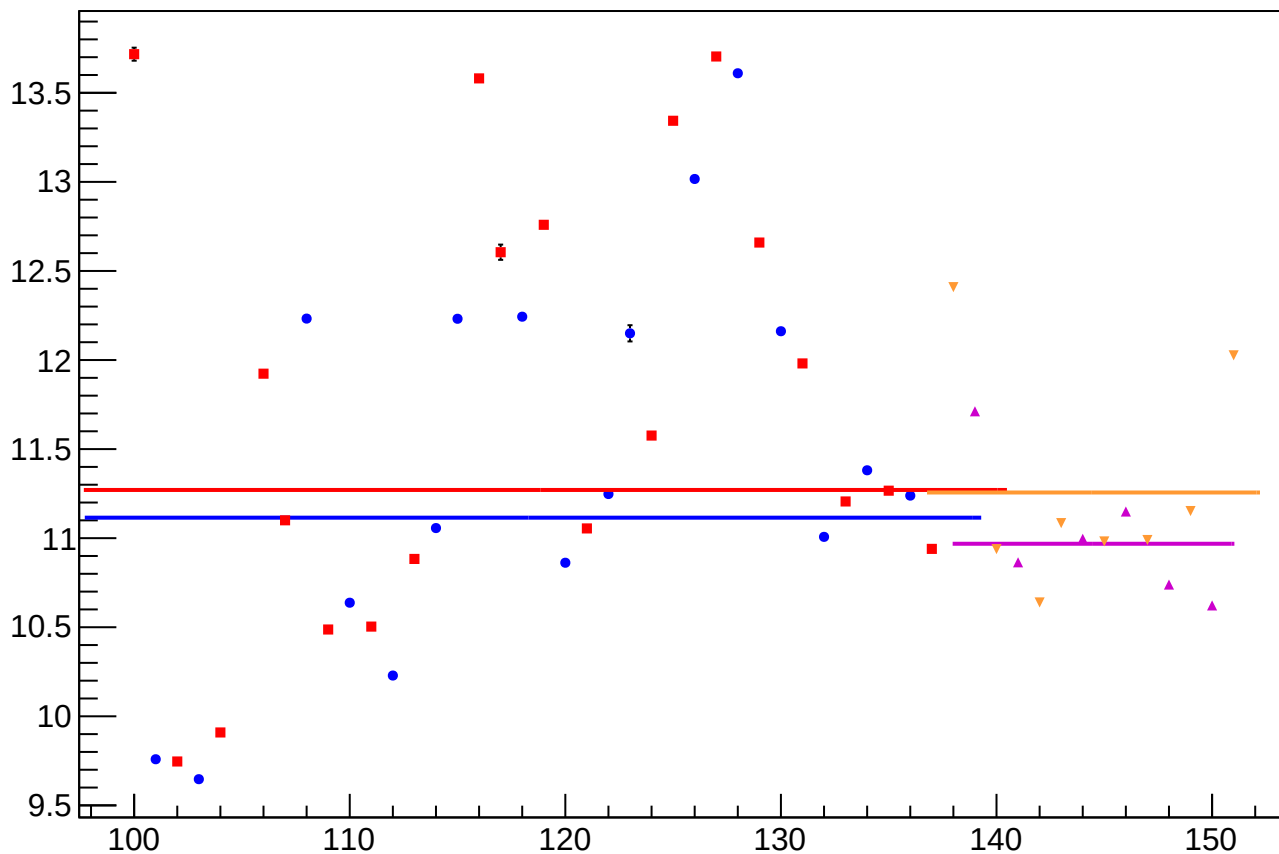
Right Out: -13.851 ± 4.253 χ^2/NDF : 25.4/19

Left In: 8.154 ± 4.998 χ^2/NDF : 3.0/5

-3.325 ± 3.190 χ^2/NDF : 21.5/24

-4.607 ± 3.239 χ^2/NDF : 39.6/25

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



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

Left Out: 11.256 $\pm$ 0.003 χ^2 /NDF: 25196.1/7

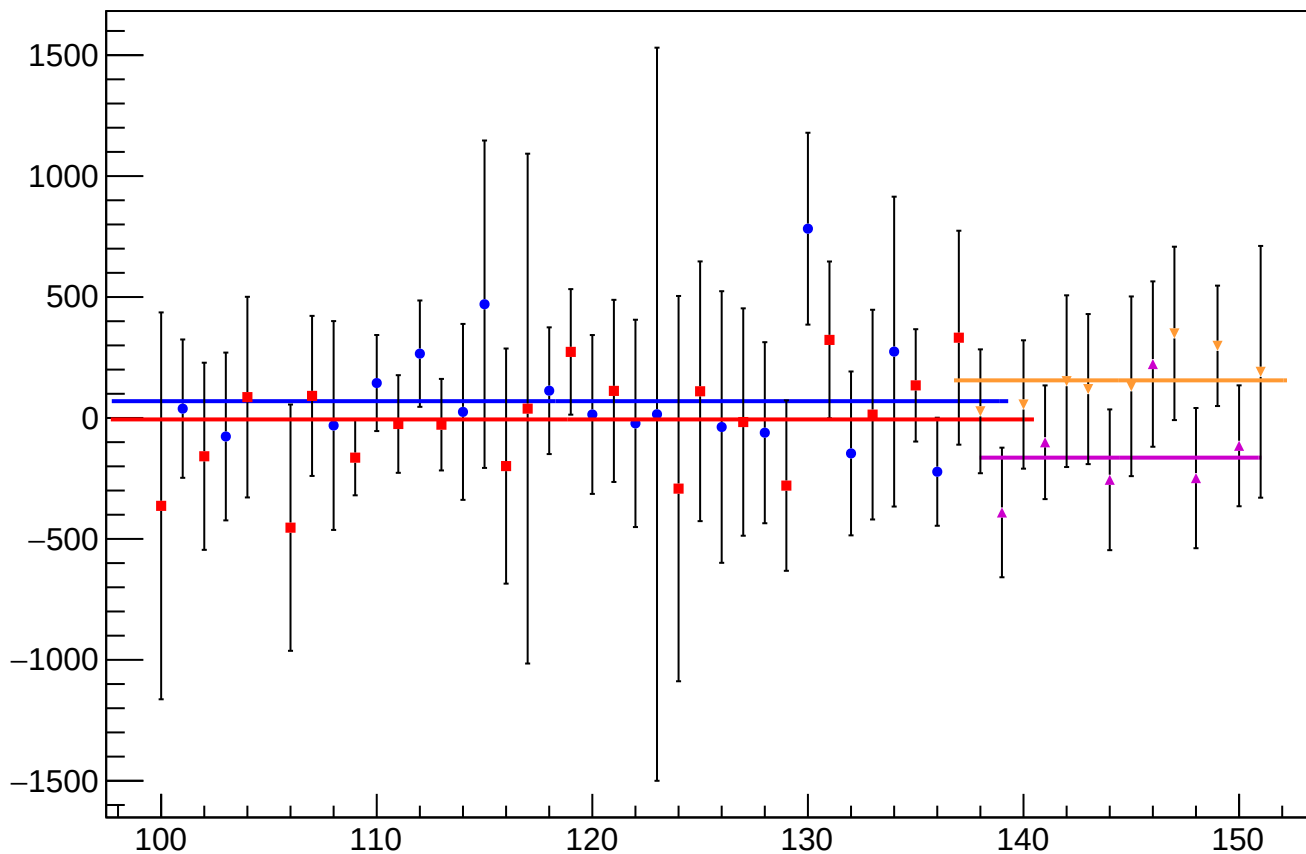
Right Out: 11.271 $\pm$ 0.003 χ^2 /NDF: 148461.6/19

Left In: 10.969 $\pm$ 0.004 χ^2 /NDF: 8500.3/5

11.180 $\pm$ 0.002 χ^2 /NDF: 159229.2/24

11.144 $\pm$ 0.002 χ^2 /NDF: 161197.5/25

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 69.470 $\pm$ 79.231 χ^2 /NDF: 7.3/16

Left Out: 155.501 $\pm$ 109.998 χ^2 /NDF: 1.0/7

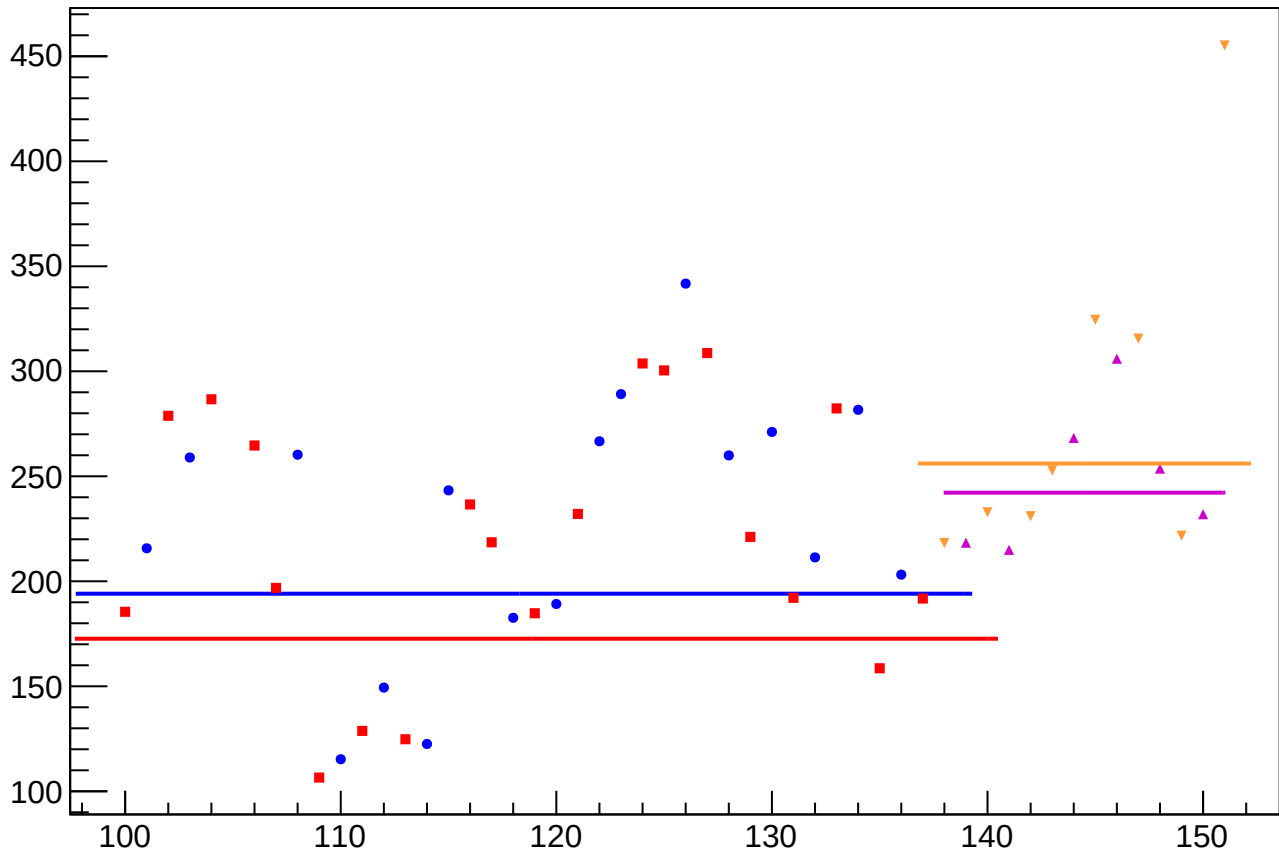
Right Out: -5.996 $\pm$ 70.027 χ^2 /NDF: 6.5/19

Left In: -164.013 $\pm$ 111.581 χ^2 /NDF: 2.3/5

98.858 $\pm$ 64.290 χ^2 /NDF: 8.7/24

-50.647 $\pm$ 59.314 χ^2 /NDF: 10.2/25

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: 256.065 $\pm$ 0.078 χ^2 /NDF: 523023.2/7

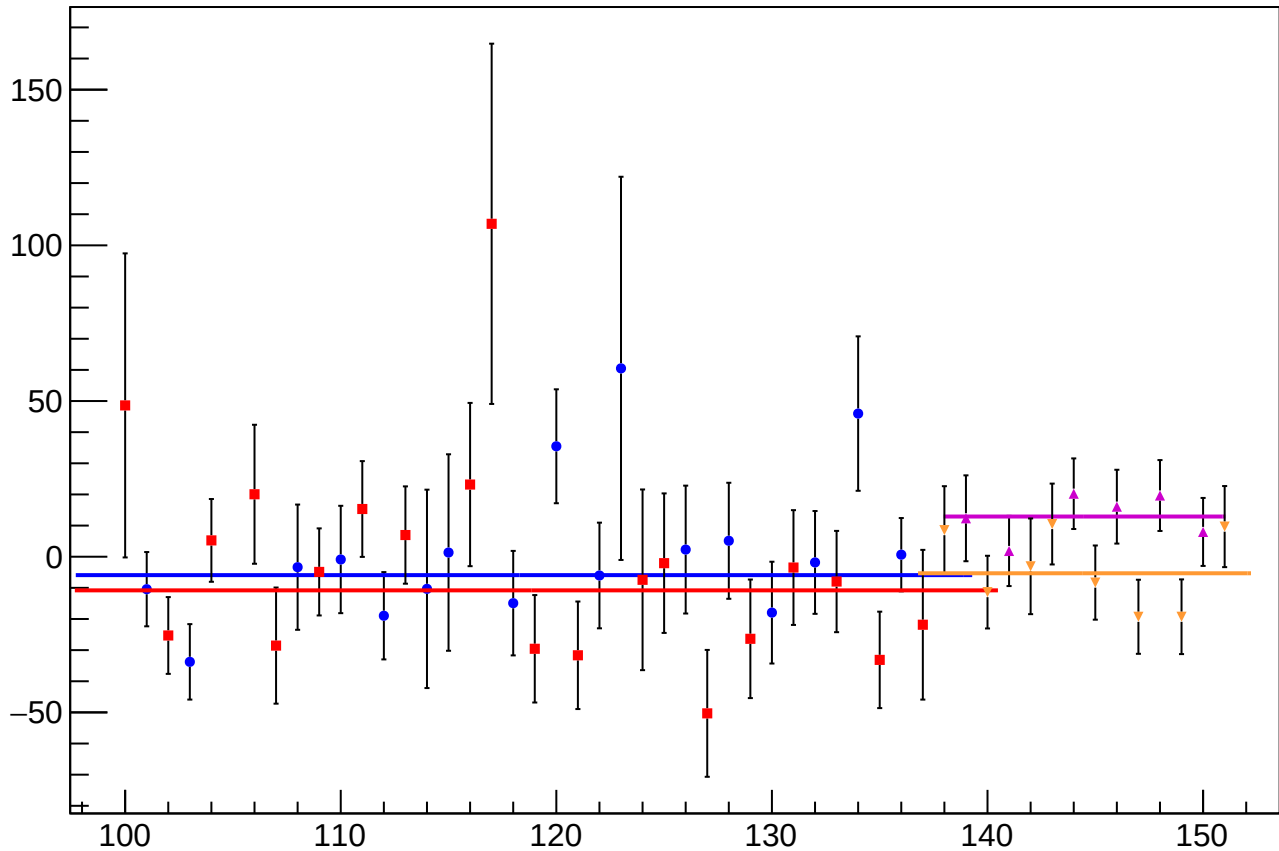
Right Out: 172.655 $\pm$ 0.050 χ^2 /NDF: 1573277.0/19

Left In: 242.208 $\pm$ 0.079 χ^2 /NDF: 134781.2/5

215.255 $\pm$ 0.045 χ^2 /NDF: 1946535.2/24

192.309 $\pm$ 0.042 χ^2 /NDF: 2265565.5/25

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.912 $\pm$ 4.133 χ^2/NDF : 18.8/16

-5.640 $\pm$ 3.043 χ^2/NDF : 25.7/24

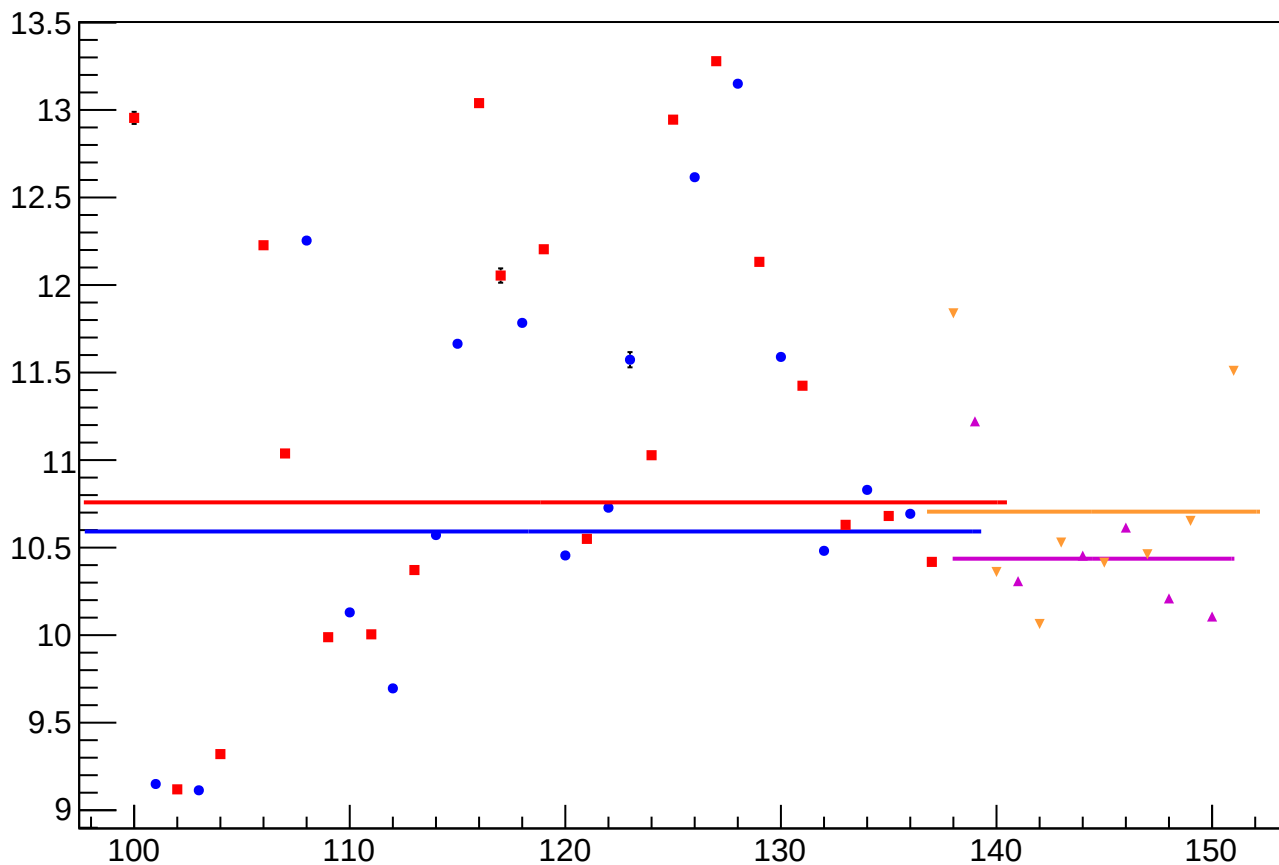
Left Out: -5.318 $\pm$ 4.495 χ^2/NDF : 6.9/7

Right Out: -10.806 $\pm$ 4.068 χ^2/NDF : 27.0/19

-0.796 $\pm$ 3.093 χ^2/NDF : 43.4/25

Left In: 12.909 $\pm$ 4.760 χ^2/NDF : 2.0/5

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: 10.705 $\pm$ 0.003 χ^2 /NDF: 28189.2/7

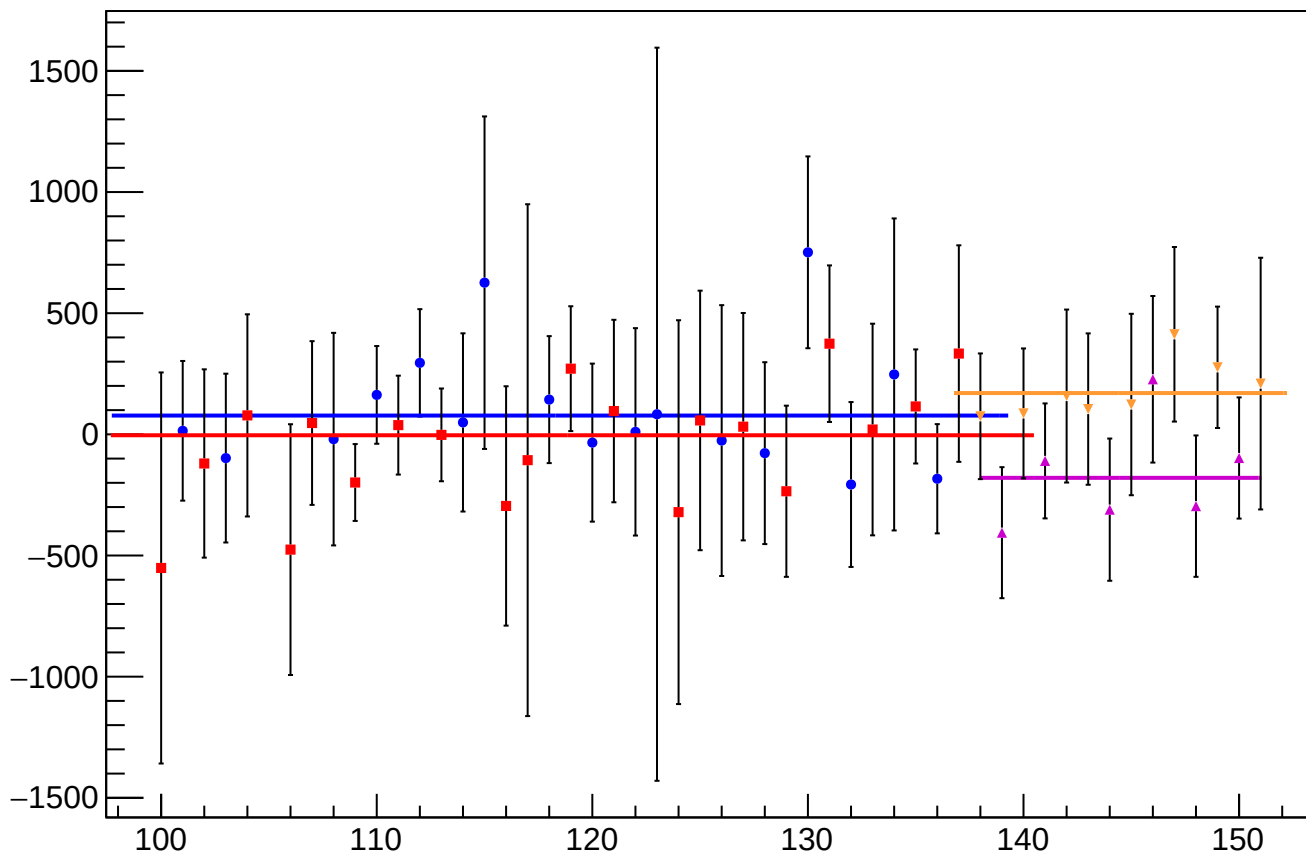
10.644 $\pm$ 0.002 χ^2 /NDF: 189274.5/24

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

10.623 $\pm$ 0.002 χ^2 /NDF: 192999.4/25

Left In: 10.437 $\pm$ 0.003 χ^2 /NDF: 9815.3/5

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: 170.463+/-110.865 χ^2/NDF : 0.9/7

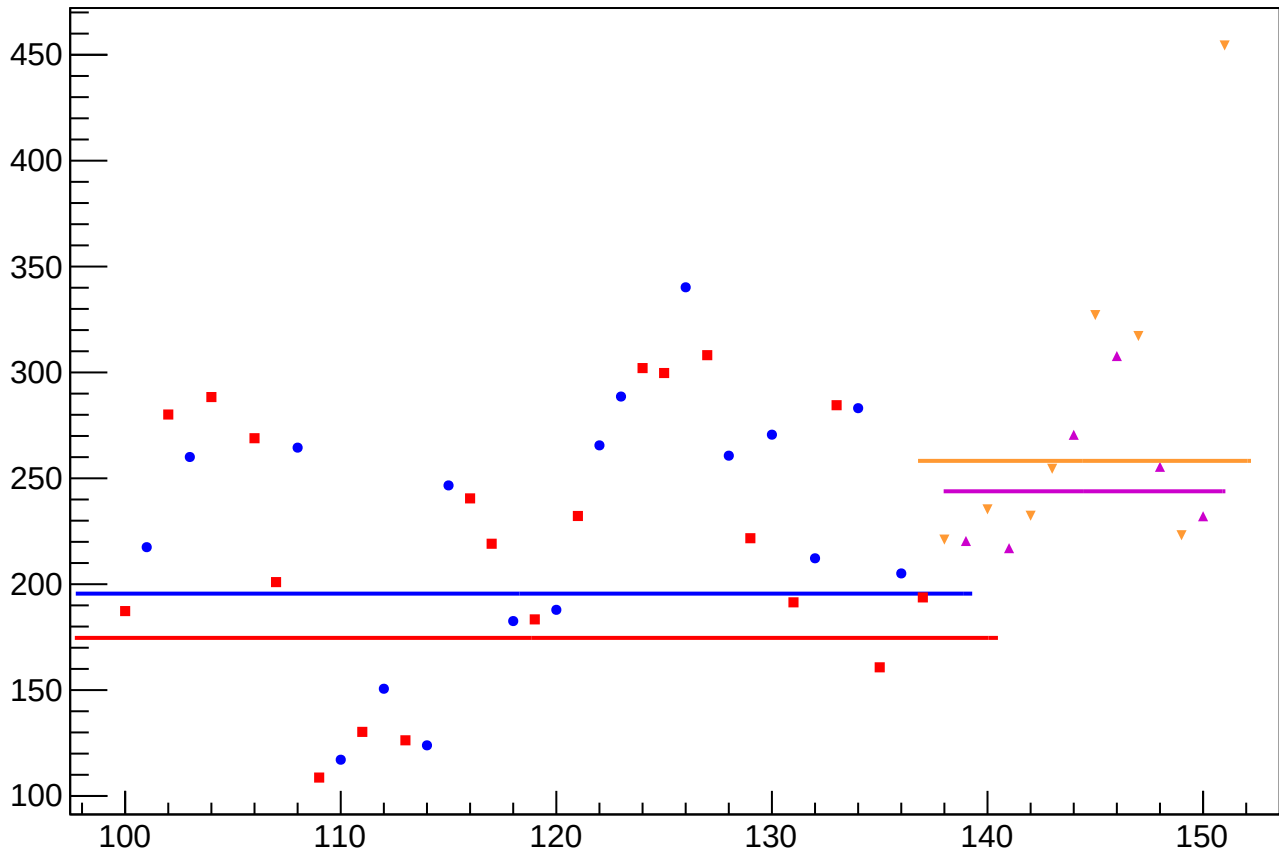
Right Out: -3.768+/-70.696 χ^2/NDF : 7.4/19

Left In: -179.460+/-112.324 χ^2/NDF : 2.7/5

109.260+/-64.740 χ^2/NDF : 8.9/24

-53.618+/-59.832 χ^2/NDF : 11.8/25

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: 258.244 $\pm$ 0.078 χ^2 /NDF: 512322.5/7

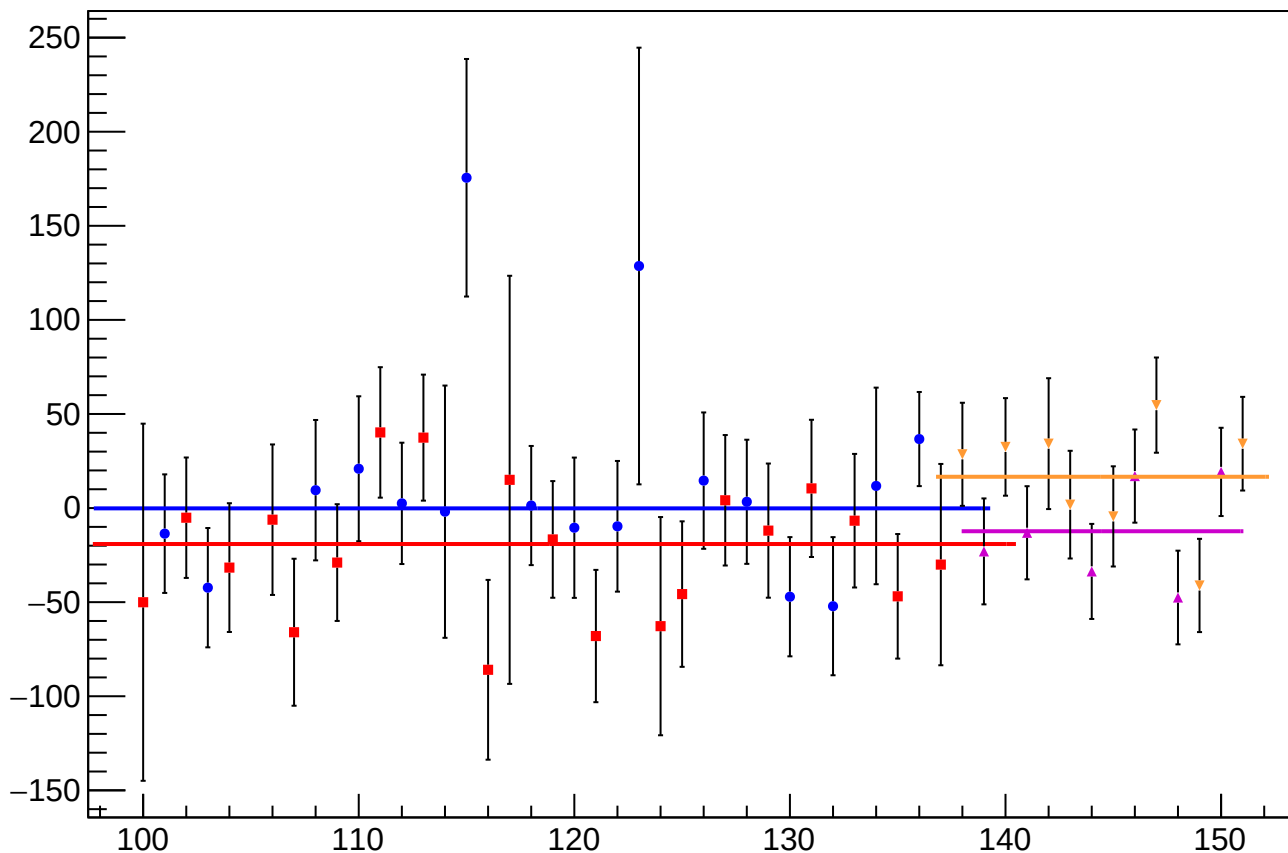
216.930 $\pm$ 0.046 χ^2 /NDF: 1913721.2/24

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

194.291 $\pm$ 0.042 χ^2 /NDF: 2210131.7/25

Left In: 243.873 $\pm$ 0.079 χ^2 /NDF: 133854.5/5

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



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

Left Out: 16.635 ± 9.498 $\chi^2/\text{NDF}: 9.9/7$

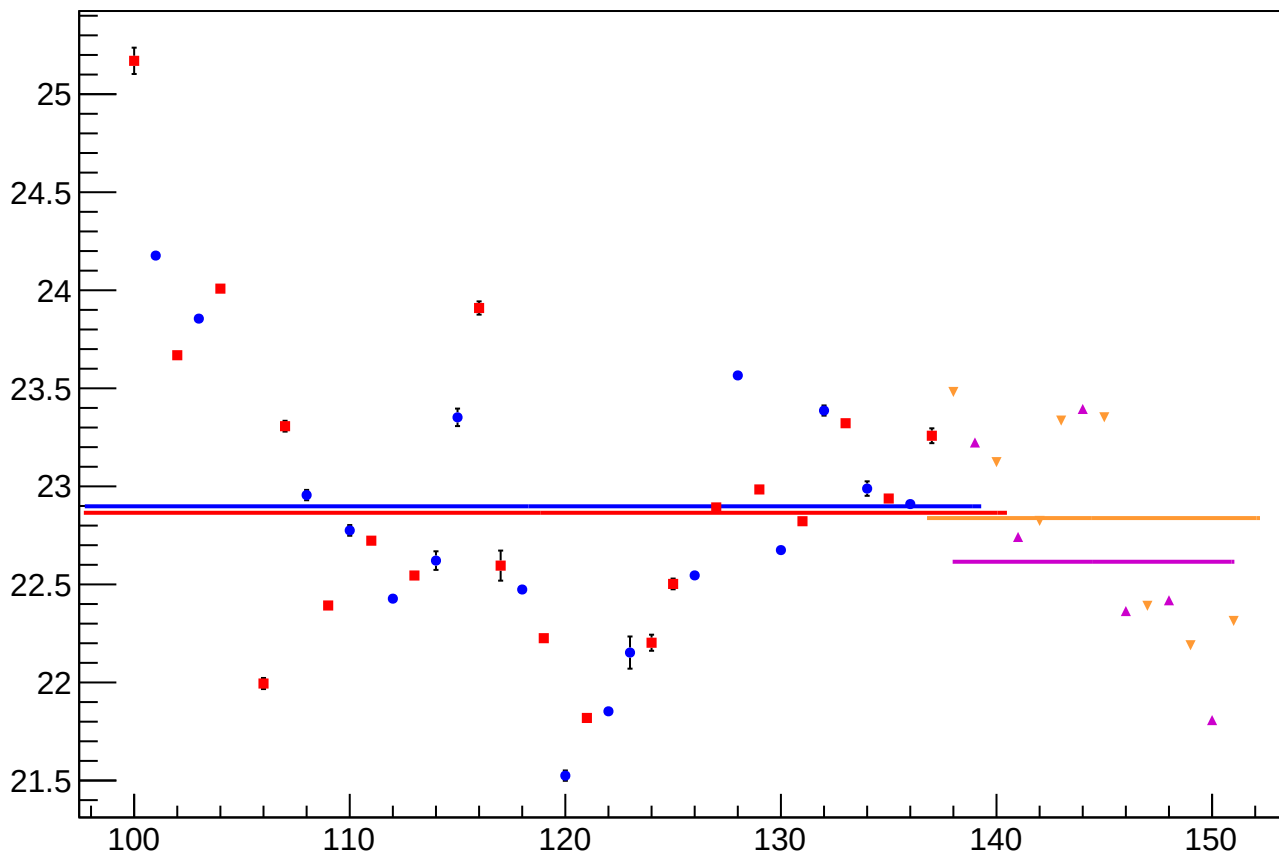
Right Out: -19.104 ± 8.527 $\chi^2/\text{NDF}: 14.9/19$

Left In: -12.312 ± 10.246 $\chi^2/\text{NDF}: 6.1/5$

7.623 ± 6.466 $\chi^2/\text{NDF}: 29.6/24$

-16.325 ± 6.554 $\chi^2/\text{NDF}: 21.2/25$

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: 22.838 ± 0.007 $\chi^2/\text{NDF}: 5577.9/7$

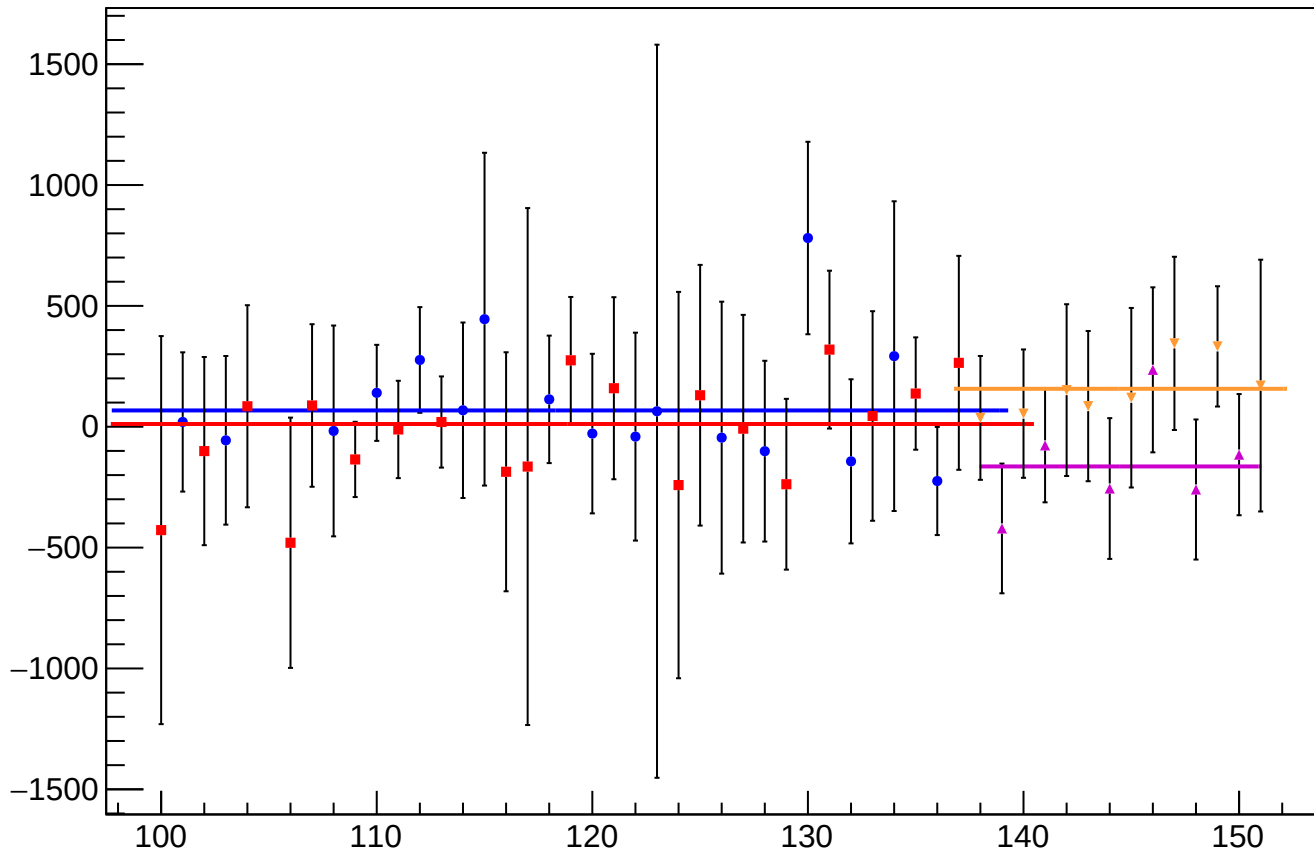
Right Out: 22.865 ± 0.006 $\chi^2/\text{NDF}: 11060.8/19$

Left In: 22.616 ± 0.007 $\chi^2/\text{NDF}: 5590.7/5$

22.871 ± 0.005 $\chi^2/\text{NDF}: 17764.1/24$

22.763 ± 0.005 $\chi^2/\text{NDF}: 17353.4/25$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.449 $\pm$ 79.404 χ^2/NDF : 7.4/16

Left Out: 157.046 $\pm$ 110.047 χ^2/NDF : 1.2/7

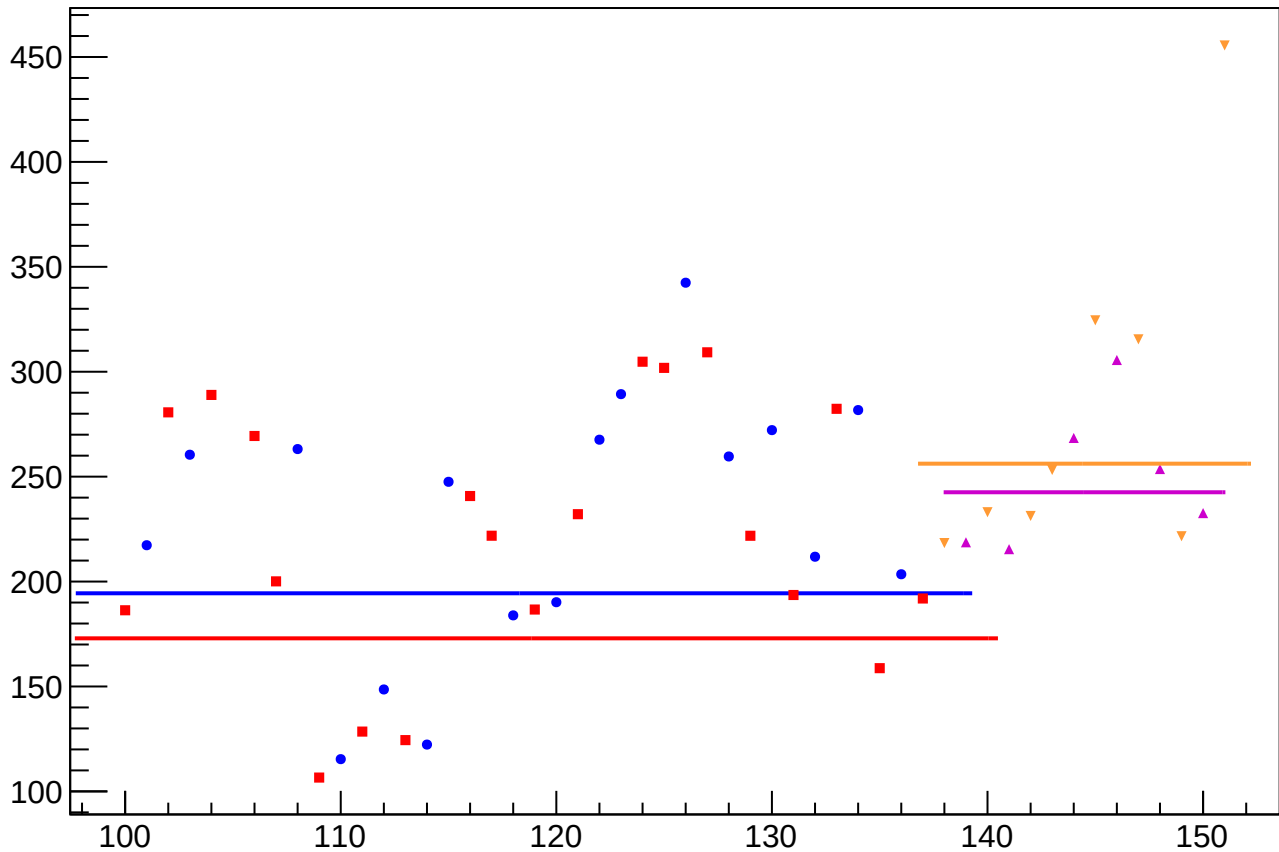
Right Out: 11.355 $\pm$ 70.203 χ^2/NDF : 5.8/19

Left In: -164.251 $\pm$ 111.724 χ^2/NDF : 2.7/5

98.125 $\pm$ 64.392 χ^2/NDF : 9.0/24

-38.354 $\pm$ 59.442 χ^2/NDF : 10.2/25

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: 256.184+/-0.078 χ^2/NDF : 522823.9/7

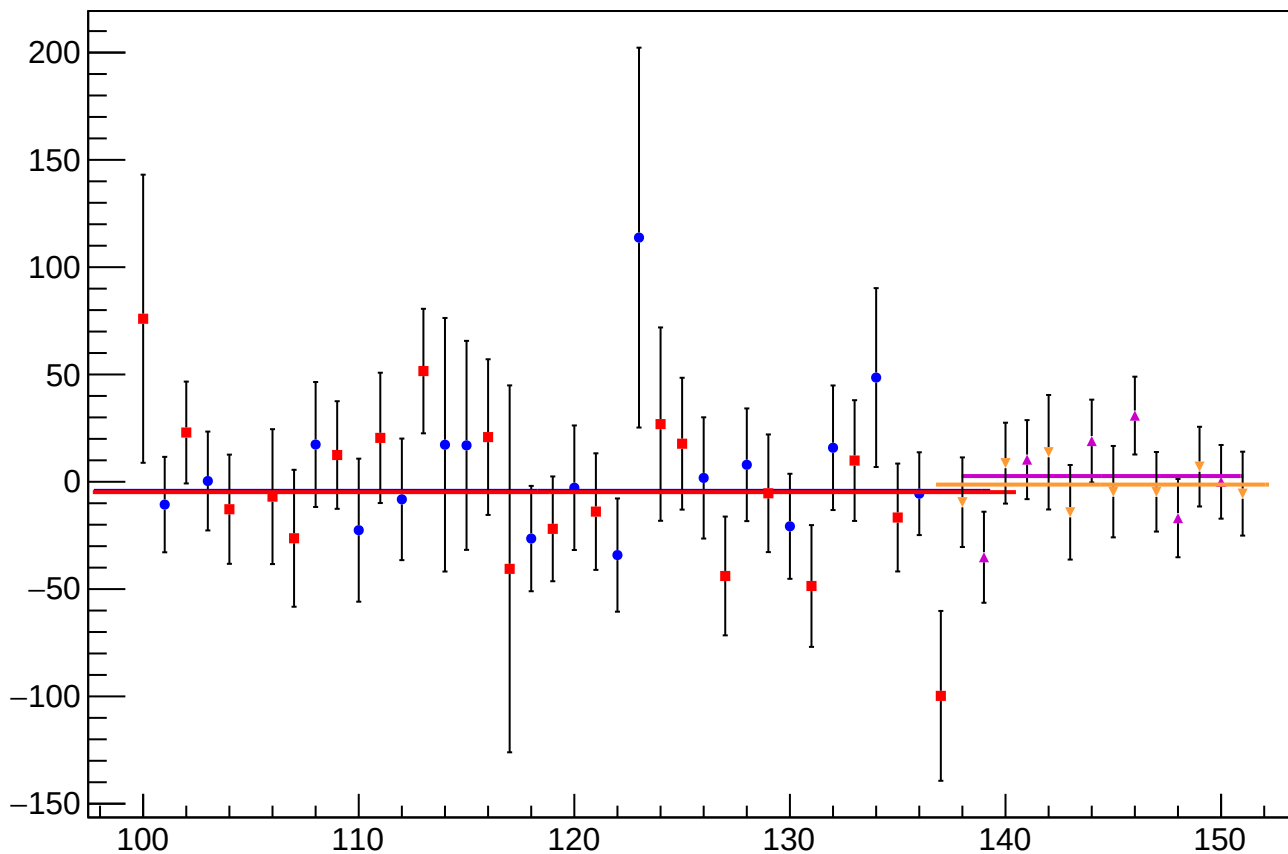
Right Out: 172.942+/-0.050 χ^2/NDF : 1600959.1/19

Left In: 242.558+/-0.079 χ^2/NDF : 132352.2/5

215.560+/-0.046 χ^2/NDF : 1957166.8/24

192.648+/-0.042 χ^2/NDF : 2290027.0/25

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: -1.298 ± 7.216 $\chi^2/\text{NDF}: 1.4/7$

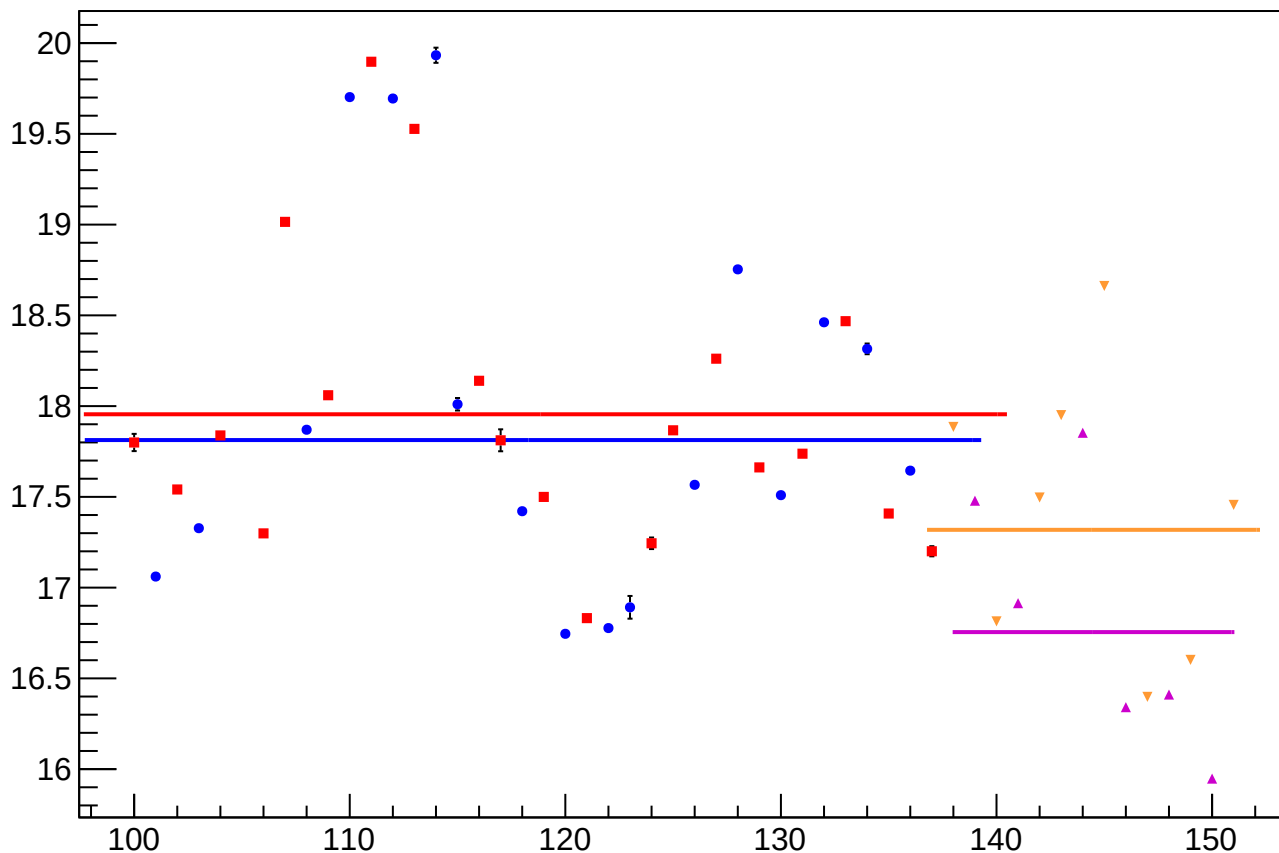
Right Out: -4.820 ± 6.704 $\chi^2/\text{NDF}: 21.3/19$

Left In: 2.671 ± 7.603 $\chi^2/\text{NDF}: 7.7/5$

-2.832 ± 4.976 $\chi^2/\text{NDF}: 9.5/24$

-1.544 ± 5.029 $\chi^2/\text{NDF}: 29.5/25$

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: 17.318 ± 0.005 χ^2/NDF : 20603.3/7

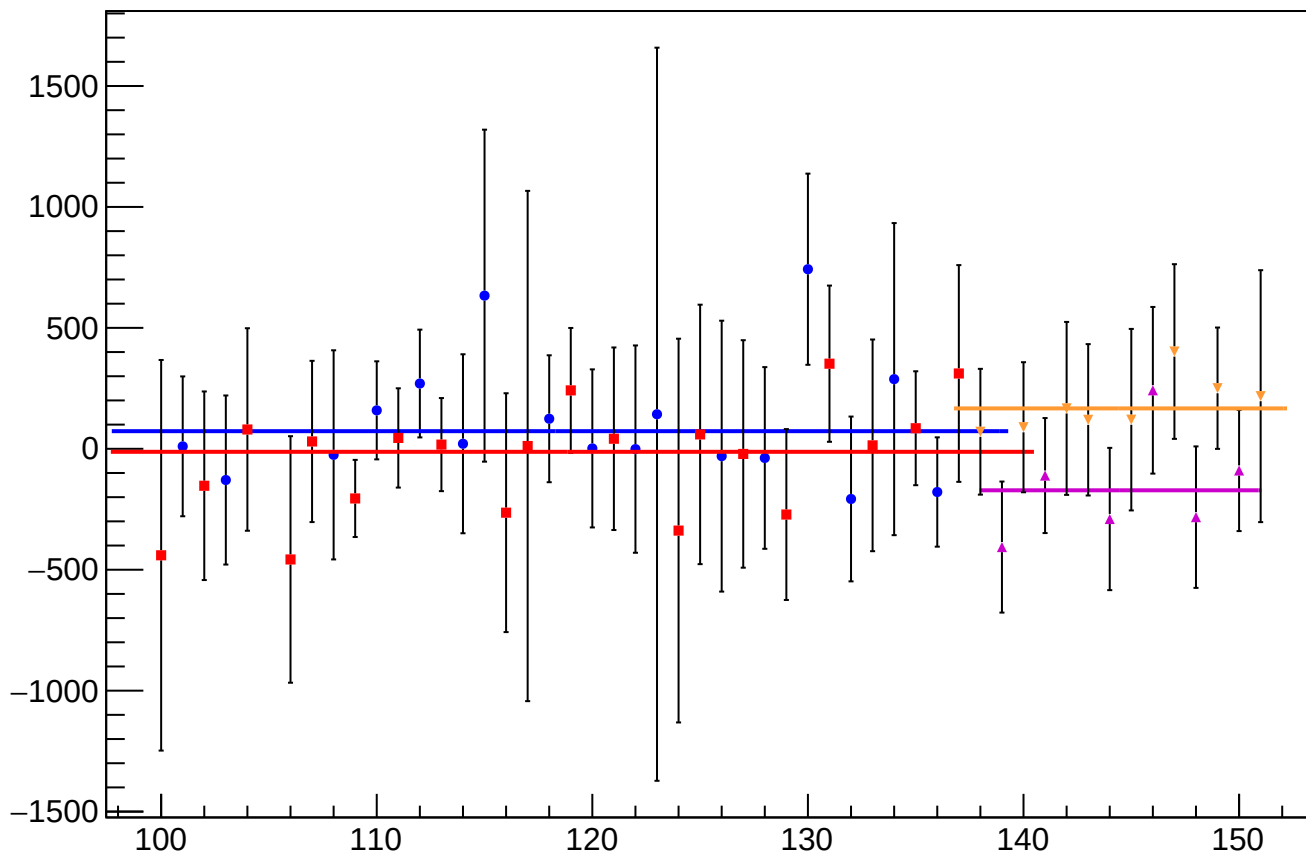
Right Out: 17.955 ± 0.005 χ^2/NDF : 25451.0/19

Left In: 16.755 ± 0.005 χ^2/NDF : 15132.3/5

17.578 ± 0.004 χ^2/NDF : 57564.2/24

17.430 ± 0.004 χ^2/NDF : 68614.4/25

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 72.888 $\pm$ 79.948 χ^2 /NDF: 7.2/16

Left Out: 167.025 $\pm$ 111.102 χ^2 /NDF: 0.8/7

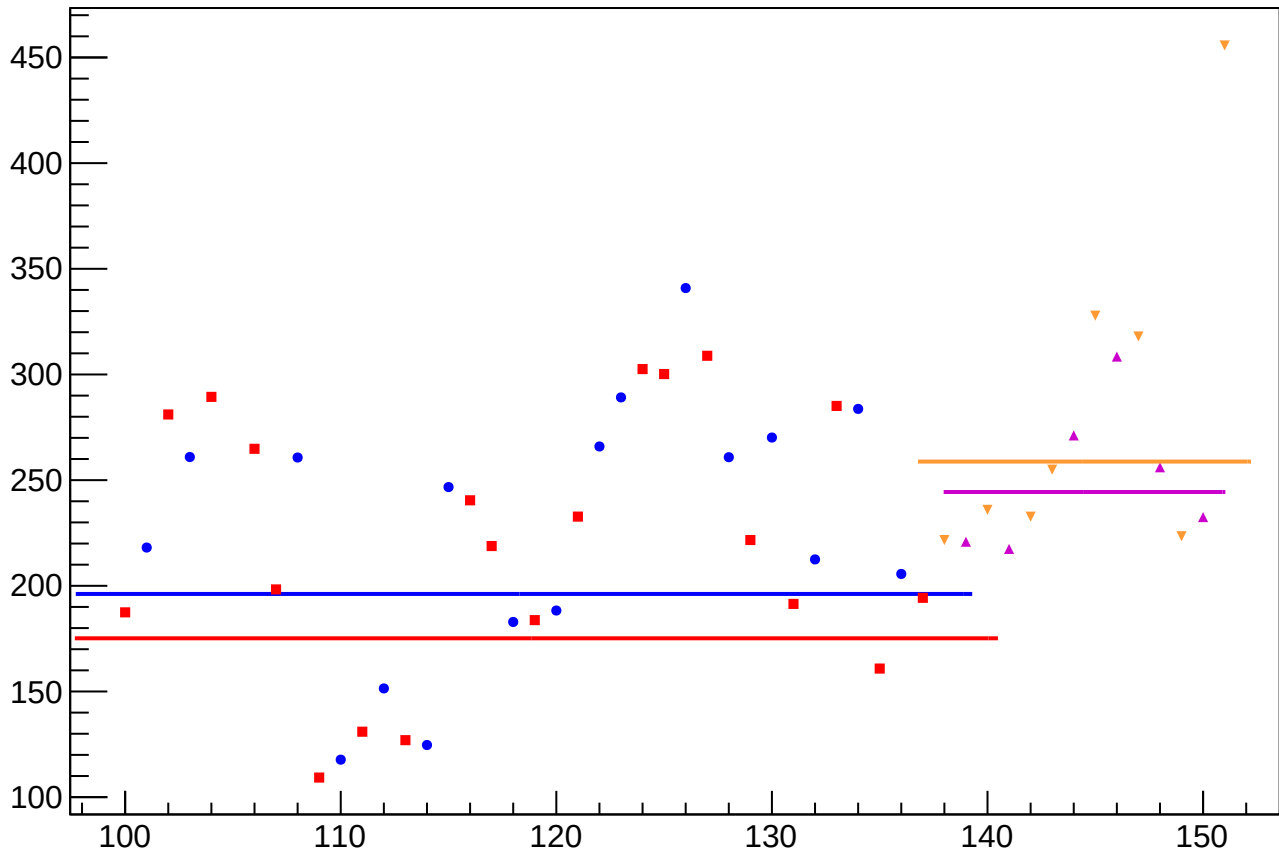
Right Out: -12.456 $\pm$ 70.853 χ^2 /NDF: 6.7/19

Left In: -171.591 $\pm$ 112.563 χ^2 /NDF: 2.7/5

105.003 $\pm$ 64.893 χ^2 /NDF: 8.5/24

-57.614 $\pm$ 59.963 χ^2 /NDF: 10.8/25

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: 258.787+/-0.079 χ^2/NDF : 513158.3/7

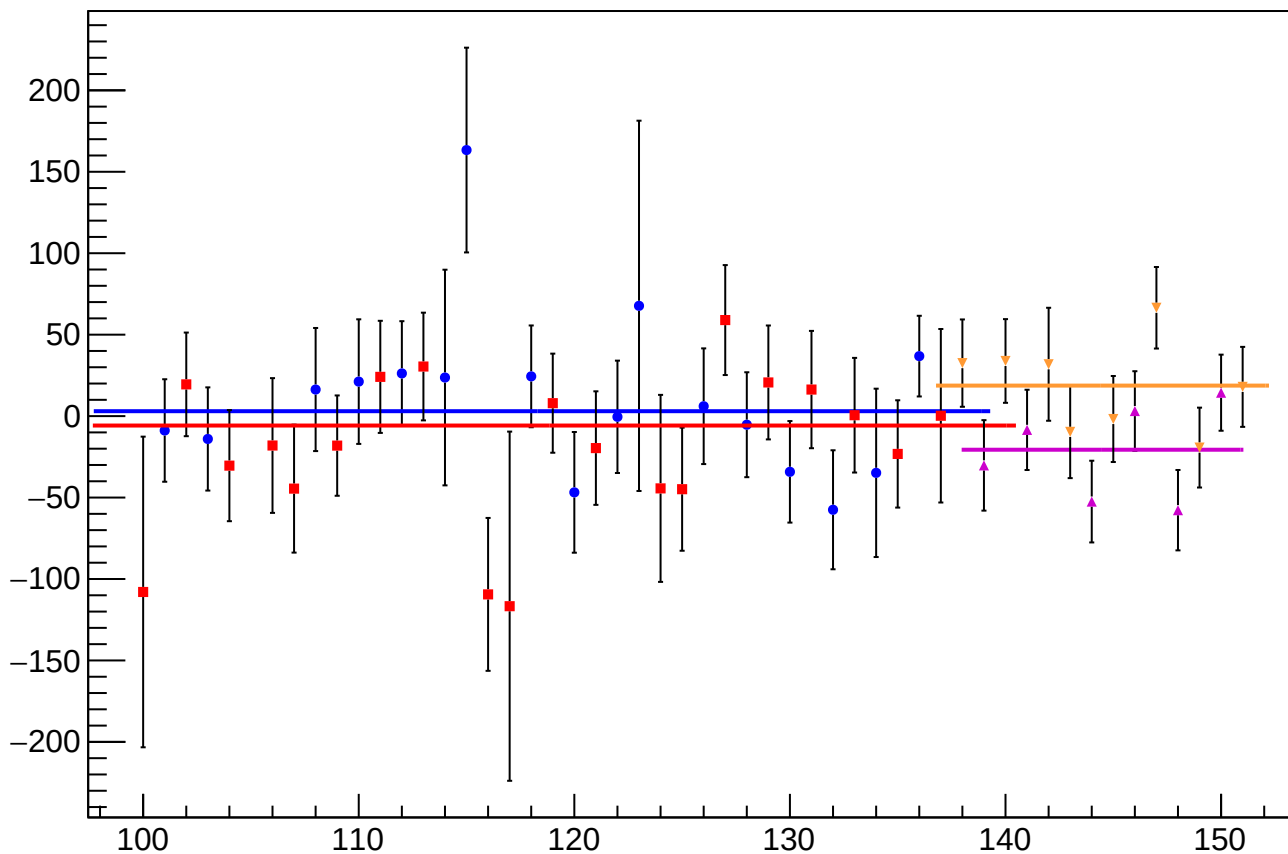
217.520+/-0.046 χ^2/NDF : 1896962.5/24

Right Out: 175.163+/-0.050 χ^2/NDF : 1514398.4/19

194.807+/-0.042 χ^2/NDF : 2190362.7/25

Left In: 244.389+/-0.080 χ^2/NDF : 134172.9/5

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.022 $\pm$ 8.751 χ^2/NDF : 17.2/16

Left Out: 18.735 $\pm$ 9.394 χ^2/NDF : 8.4/7

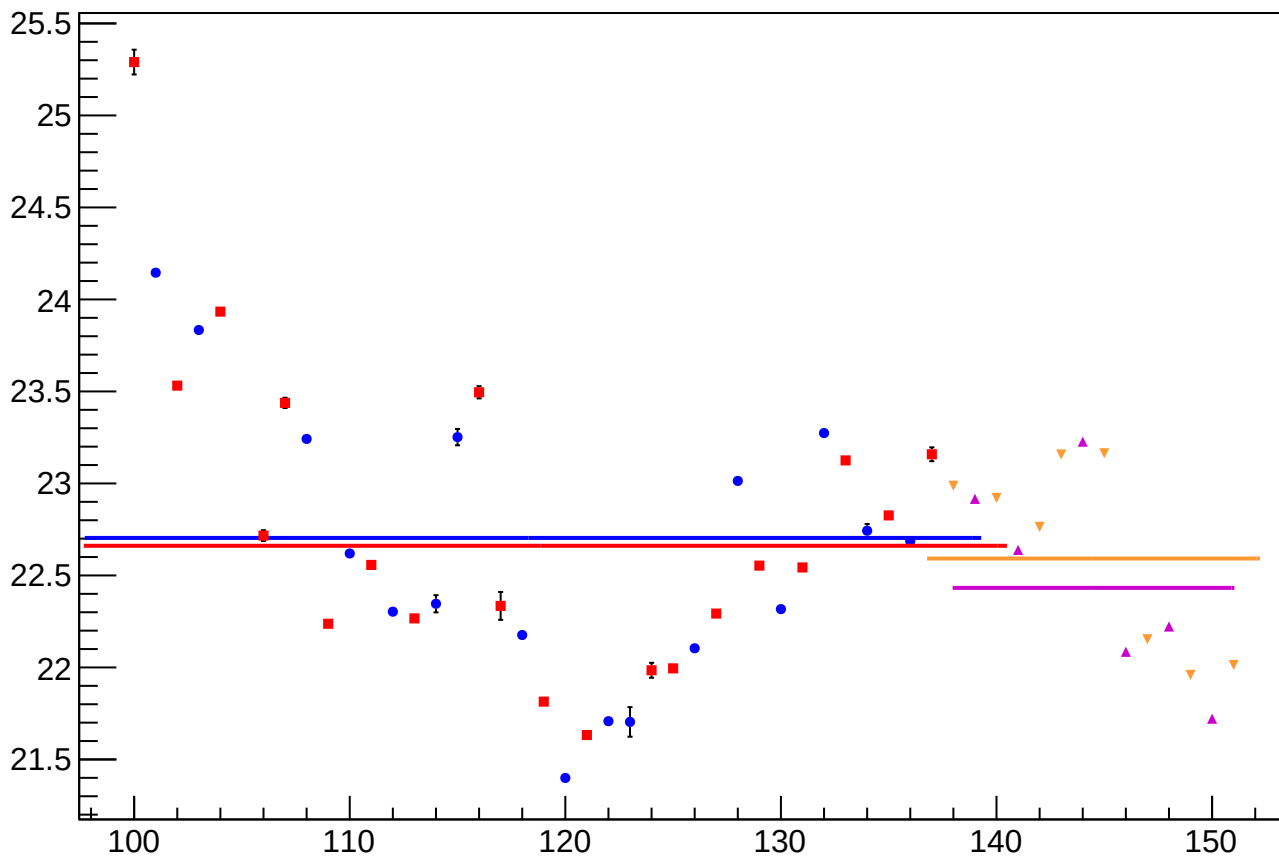
Right Out: -5.786 $\pm$ 8.451 χ^2/NDF : 18.3/19

Left In: -20.638 $\pm$ 10.163 χ^2/NDF : 7.4/5

10.322 $\pm$ 6.403 χ^2/NDF : 27.1/24

-11.858 $\pm$ 6.498 χ^2/NDF : 27.0/25

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: 22.592 ± 0.007 $\chi^2/\text{NDF}: 5598.7/7$

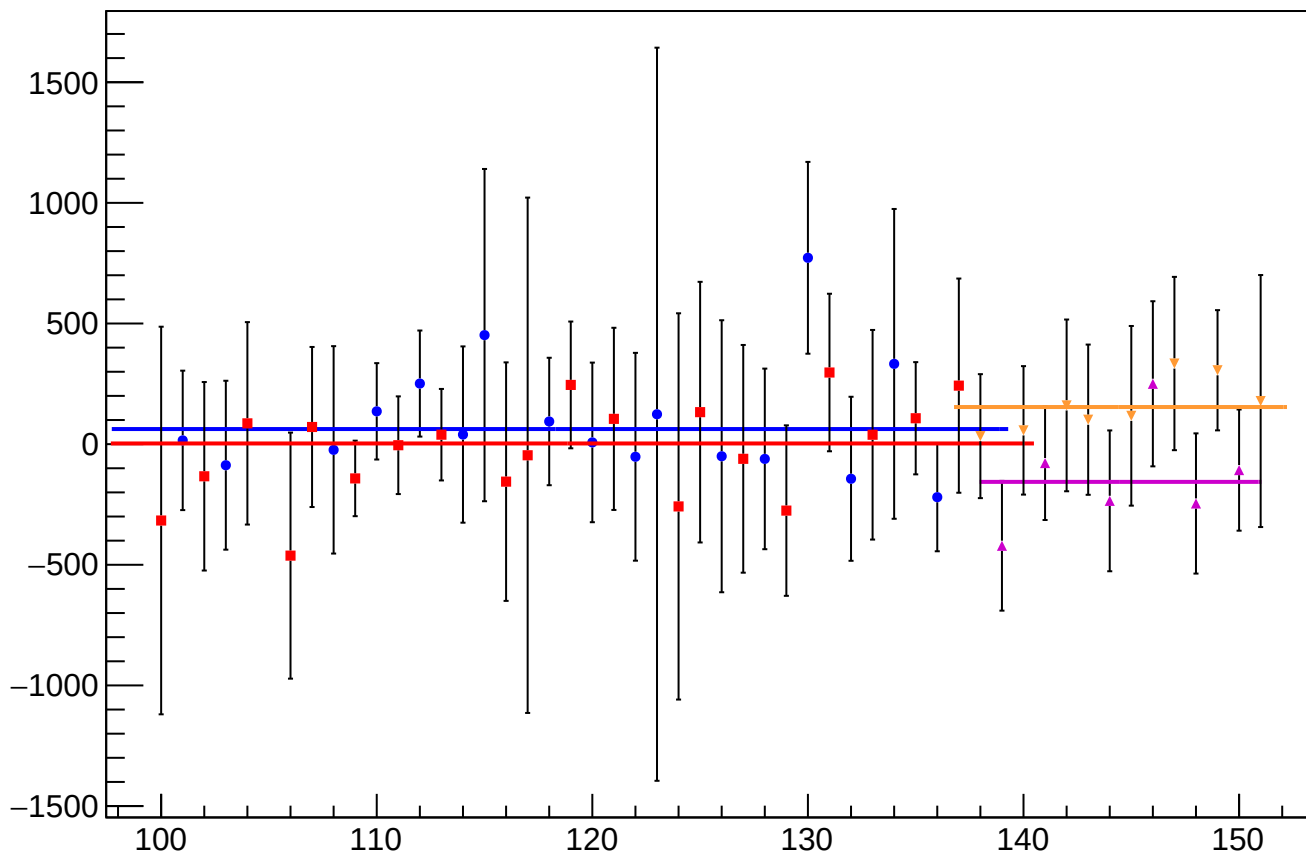
Right Out: 22.661 ± 0.006 $\chi^2/\text{NDF}: 12962.1/19$

Left In: 22.432 ± 0.007 $\chi^2/\text{NDF}: 5156.5/5$

22.652 ± 0.005 $\chi^2/\text{NDF}: 19856.4/24$

22.568 ± 0.005 $\chi^2/\text{NDF}: 18717.2/25$

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 62.573 $\pm$ 79.605 χ^2/NDF : 7.0/16

Left Out: 153.825 $\pm$ 110.285 χ^2/NDF : 1.0/7

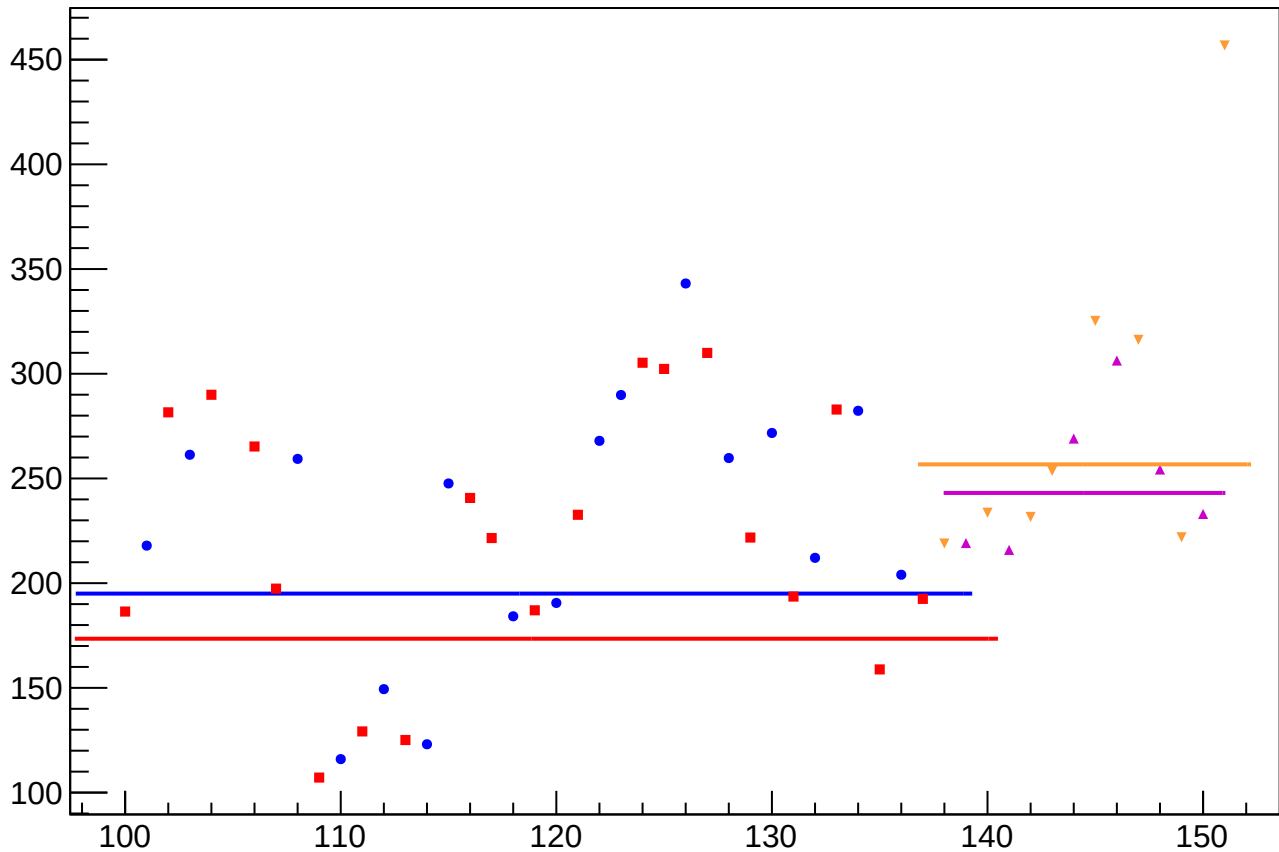
Right Out: 2.824 $\pm$ 70.364 χ^2/NDF : 5.2/19

Left In: -156.390 $\pm$ 111.963 χ^2/NDF : 2.7/5

93.831 $\pm$ 64.546 χ^2/NDF : 8.5/24

-42.254 $\pm$ 59.576 χ^2/NDF : 9.4/25

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.022+/-0.056 χ^2/NDF : 1004284.9/16

Left Out: 256.728+/-0.078 χ^2/NDF : 523613.9/7

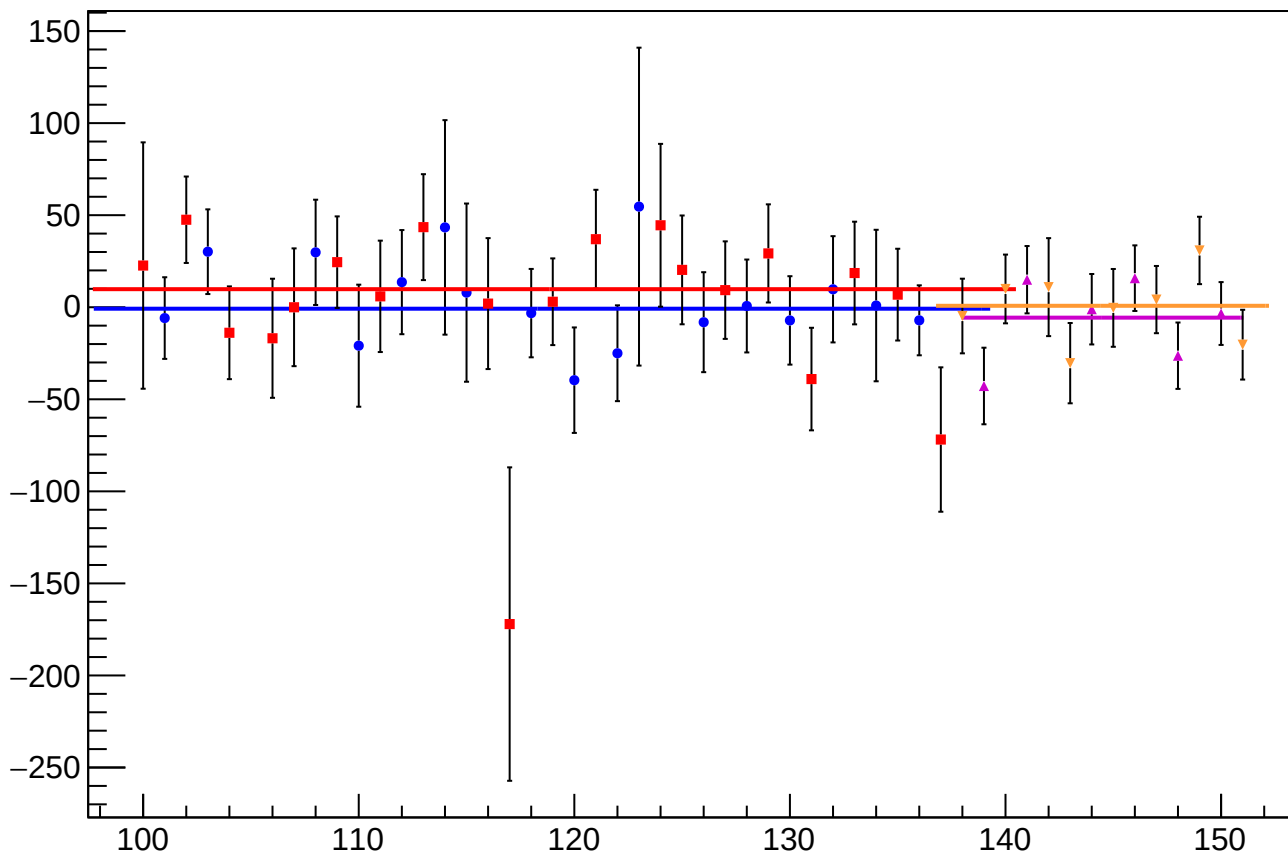
216.159+/-0.046 χ^2/NDF : 1939539.4/24

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

193.179+/-0.042 χ^2/NDF : 2269043.0/25

Left In: 243.076+/-0.079 χ^2/NDF : 132658.4/5

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.801 ± 6.770 χ^2/NDF : 7.8/16

Left Out: 0.782 ± 7.102 χ^2/NDF : 6.5/7

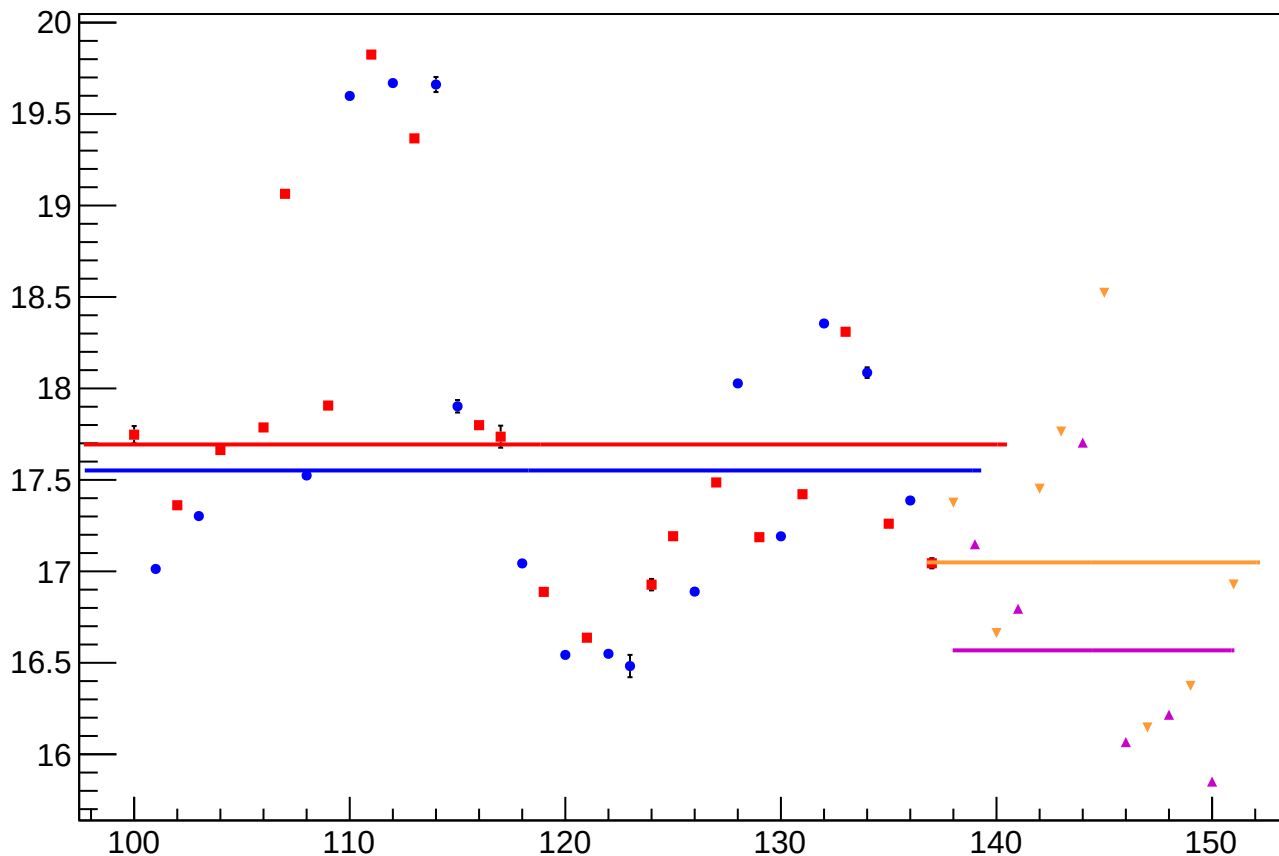
Right Out: 9.809 ± 6.606 χ^2/NDF : 20.5/19

Left In: -5.659 ± 7.517 χ^2/NDF : 7.3/5

-0.047 ± 4.900 χ^2/NDF : 14.3/24

3.069 ± 4.962 χ^2/NDF : 30.2/25

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.552 $\pm$ 0.005 χ^2 /NDF: 34027.1/16

Left Out: 17.049 $\pm$ 0.005 χ^2 /NDF:21402.3/7

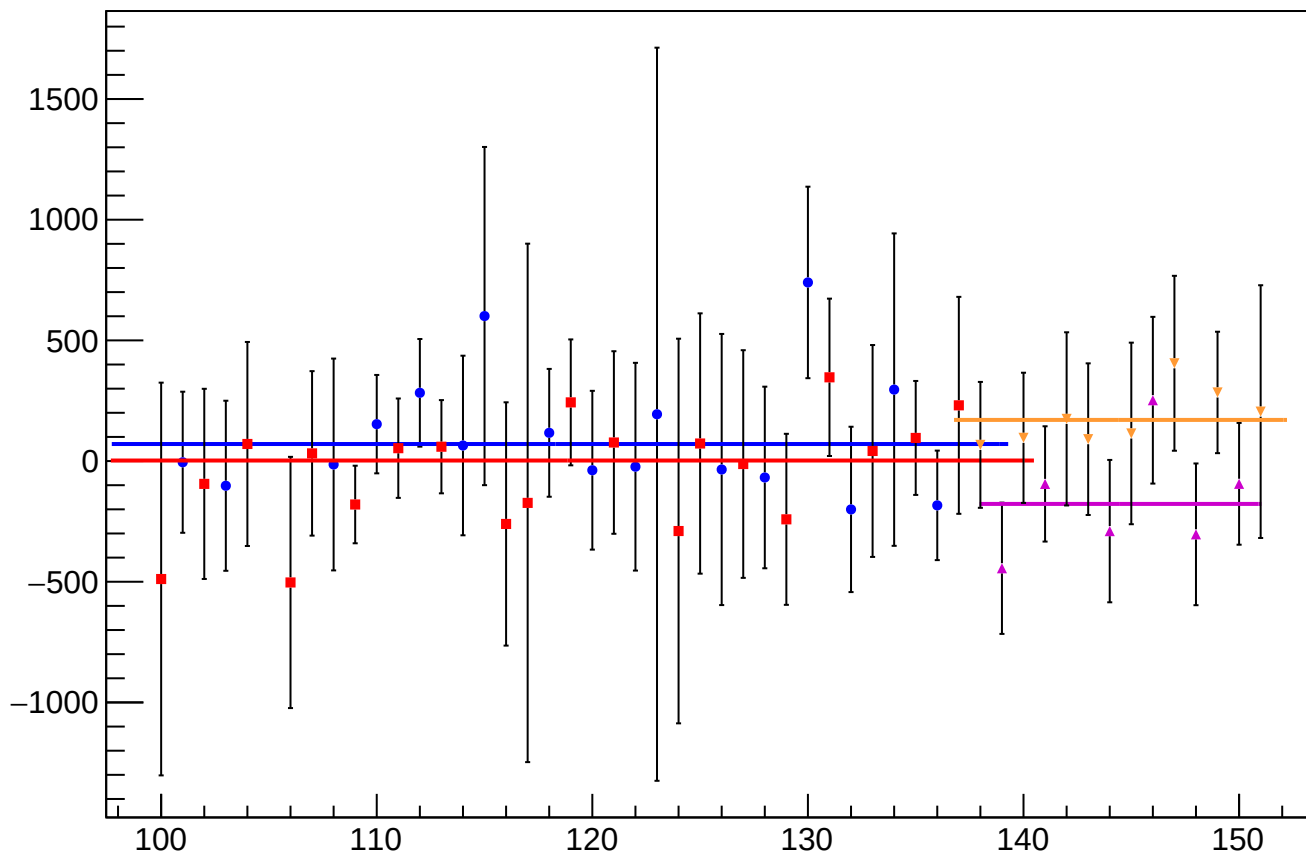
Right Out: 17.694 $\pm$ 0.005 χ^2 /NDF: 30742.5/19

Left In: 16.568 $\pm$ 0.005 χ^2 /NDF:14798.6/5

17.312 $\pm$ 0.003 χ^2 /NDF: 60675.8/24

17.203 $\pm$ 0.004 χ^2 /NDF: 70843.9/25

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: 170.509+/-111.465 χ^2/NDF : 0.9/7

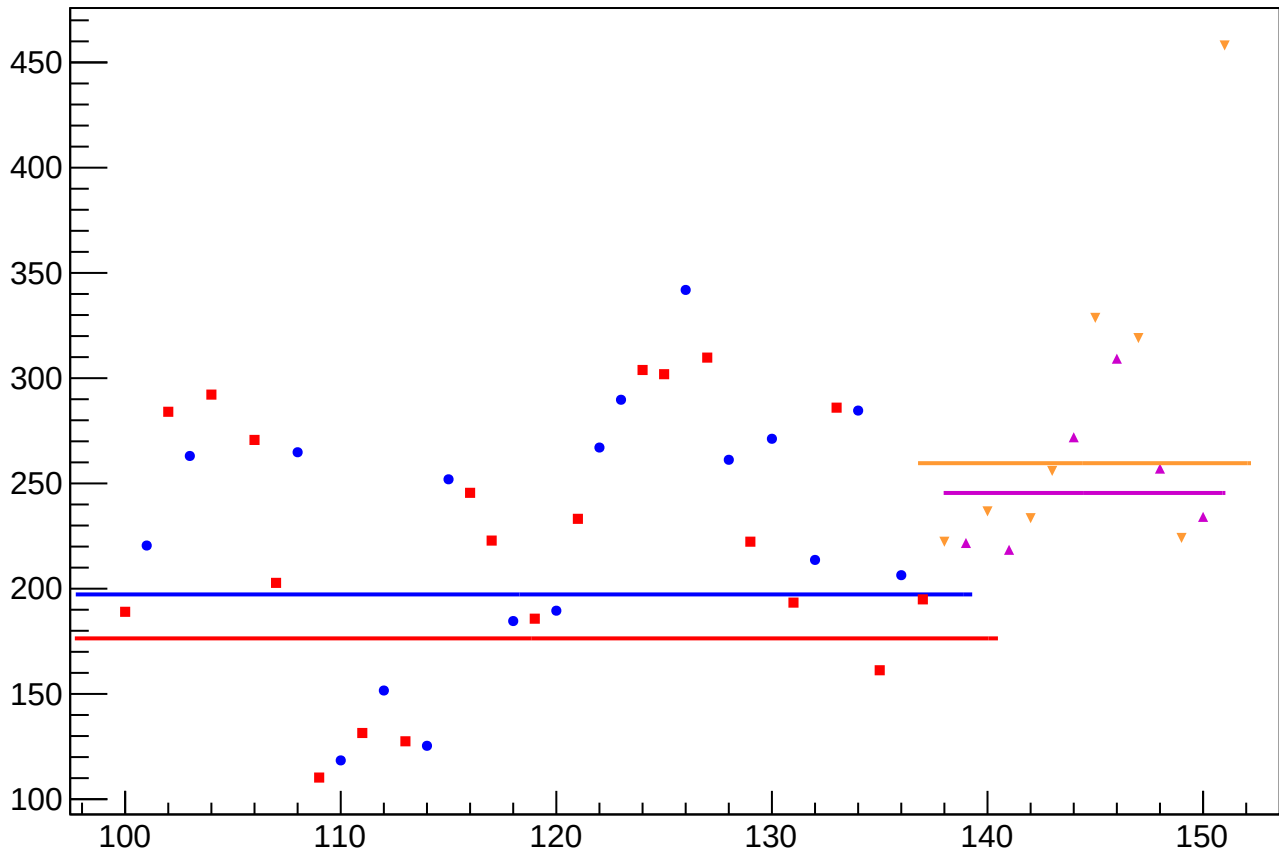
Right Out: 2.285+/-71.350 χ^2/NDF : 6.2/19

Left In: -177.546+/-113.048 χ^2/NDF : 3.1/5

104.819+/-65.212 χ^2/NDF : 8.7/24

-48.943+/-60.337 χ^2/NDF : 11.1/25

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.271 ± 0.057 χ^2/NDF : 969549.7/16

Left Out: 259.616 ± 0.079 χ^2/NDF : 514581.3/7

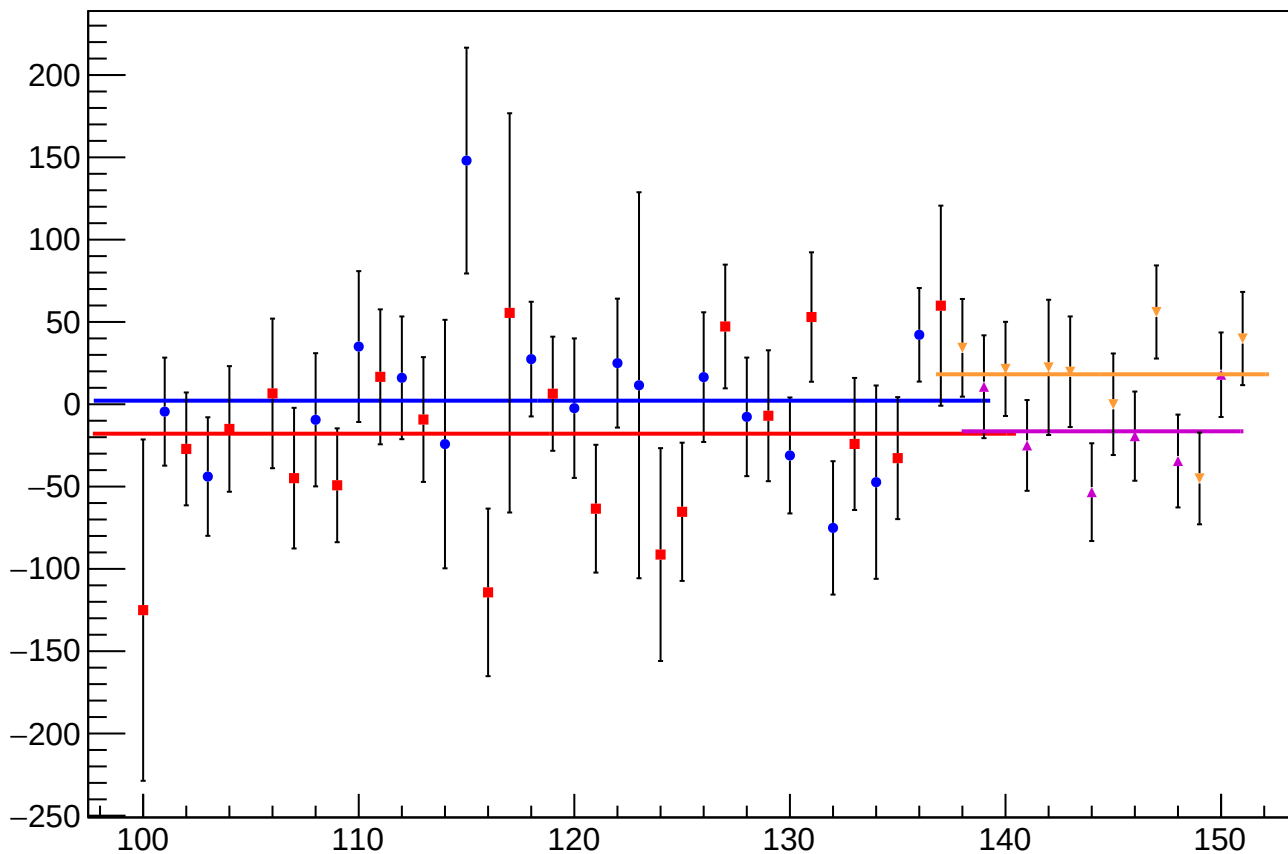
Right Out: 176.387 ± 0.050 χ^2/NDF : 1523467.7/19

Left In: 245.474 ± 0.080 χ^2/NDF : 132291.7/5

218.610 ± 0.046 χ^2/NDF : 1895661.9/24

196.067 ± 0.043 χ^2/NDF : 2189948.2/25

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.178 $\pm$ 9.825 χ^2/NDF : 15.4/16

Left Out: 18.217 $\pm$ 10.740 χ^2/NDF : 8.2/7

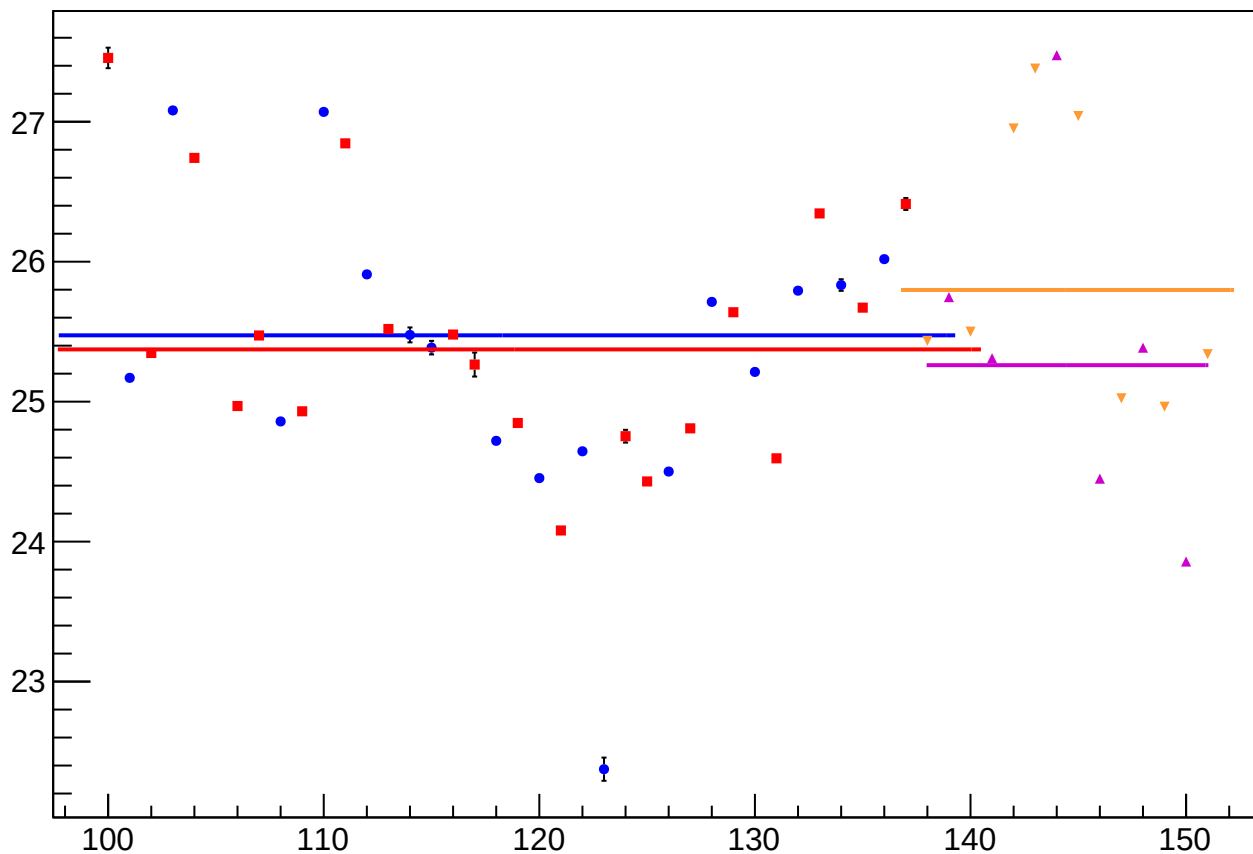
Right Out: -17.869 $\pm$ 9.468 χ^2/NDF : 20.0/19

Left In: -16.419 $\pm$ 11.461 χ^2/NDF : 4.6/5

9.485 $\pm$ 7.249 χ^2/NDF : 24.8/24

-17.281 $\pm$ 7.299 χ^2/NDF : 24.6/25

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.474 ± 0.007 χ^2/NDF : 14061.2/16

Left Out: 25.798 ± 0.008 χ^2/NDF : 13585.4/7

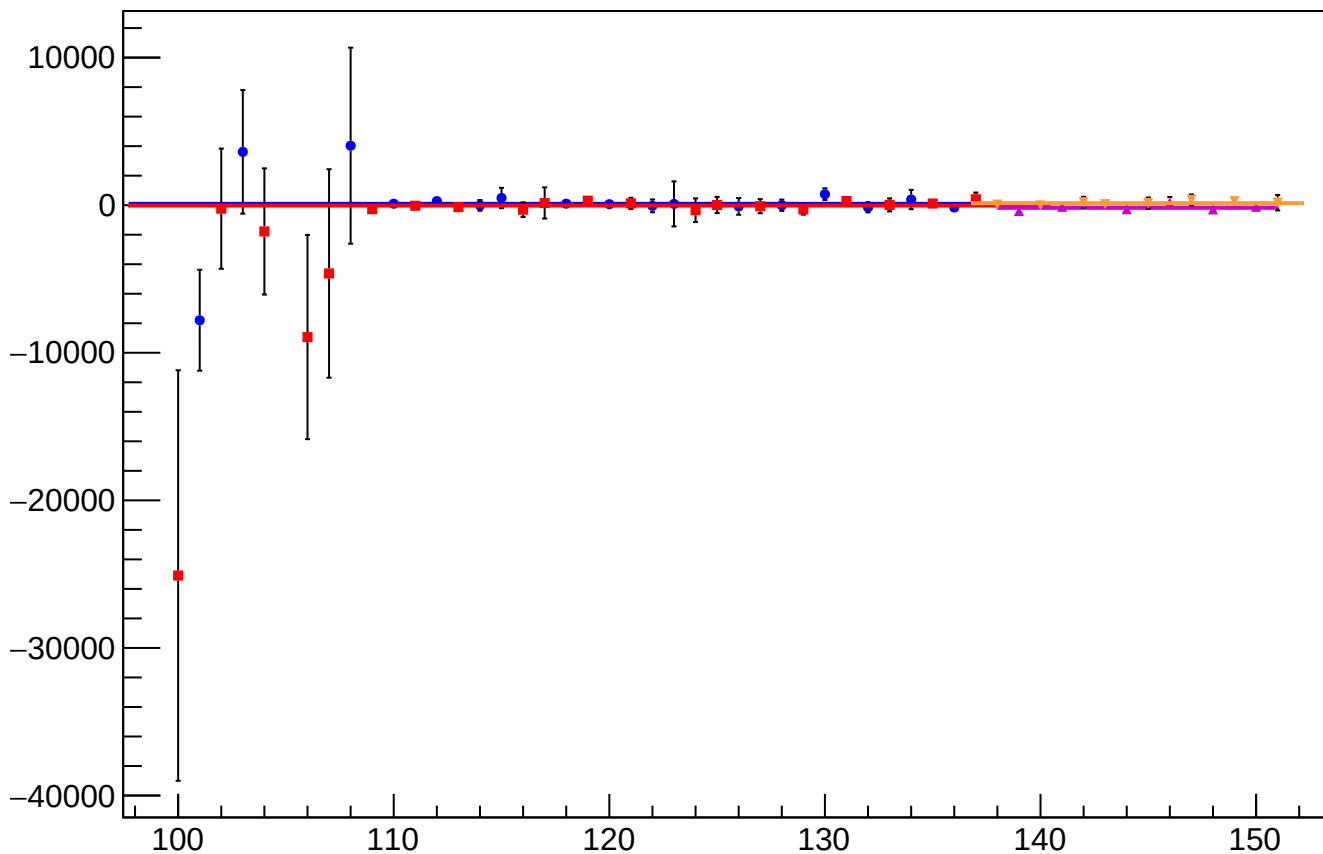
Right Out: 25.373 ± 0.007 χ^2/NDF : 13582.8/19

Left In: 25.261 ± 0.008 χ^2/NDF : 19421.6/5

25.622 ± 0.005 χ^2/NDF : 28638.5/24

25.328 ± 0.005 χ^2/NDF : 33119.5/25

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: 137.577+/-112.821 χ^2/NDF : 1.2/7

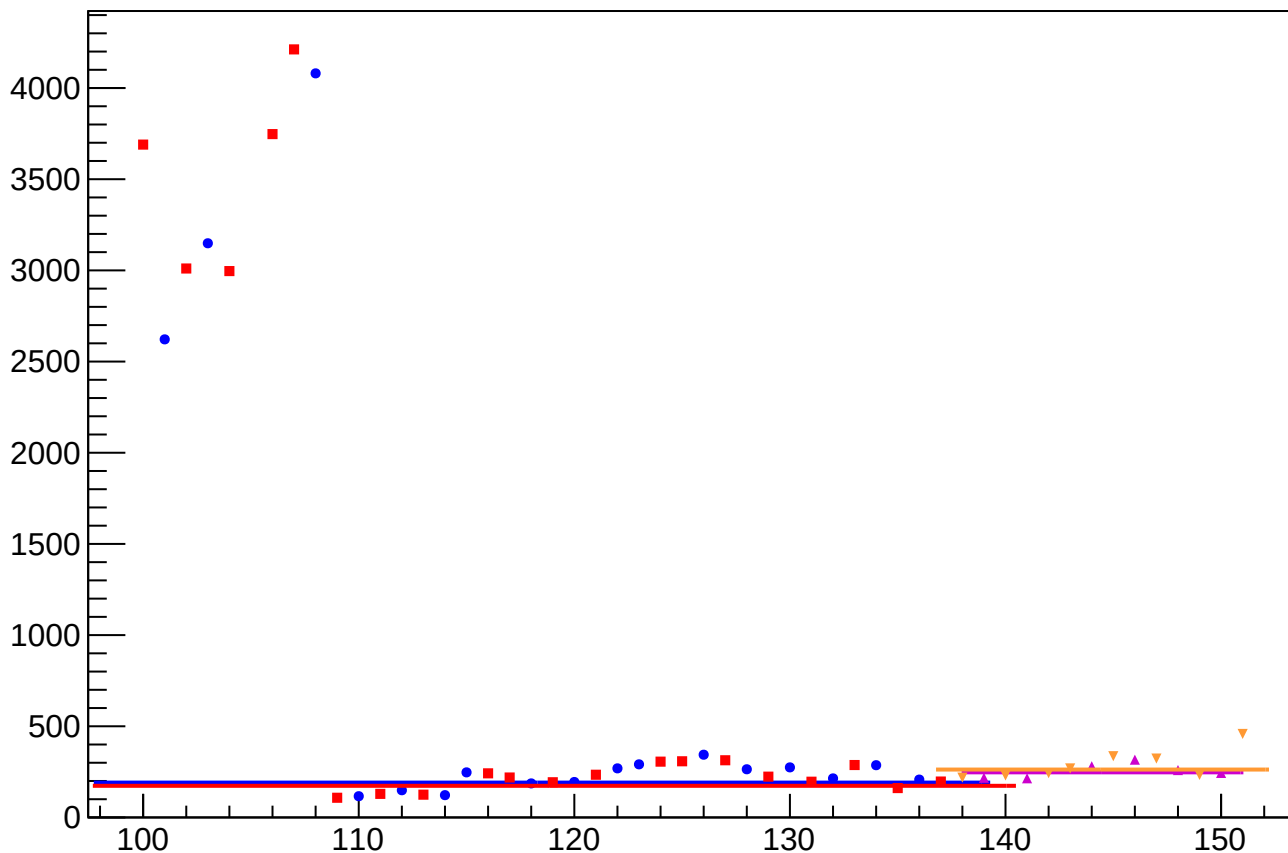
Right Out: -21.600+/-80.665 χ^2/NDF : 11.9/19

Left In: -177.134+/-114.172 χ^2/NDF : 2.2/5

107.664+/-69.207 χ^2/NDF : 13.6/24

-73.388+/-65.881 χ^2/NDF : 15.4/25

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



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

Left Out: 262.668+/-0.080 χ^2/NDF : 528625.3/7

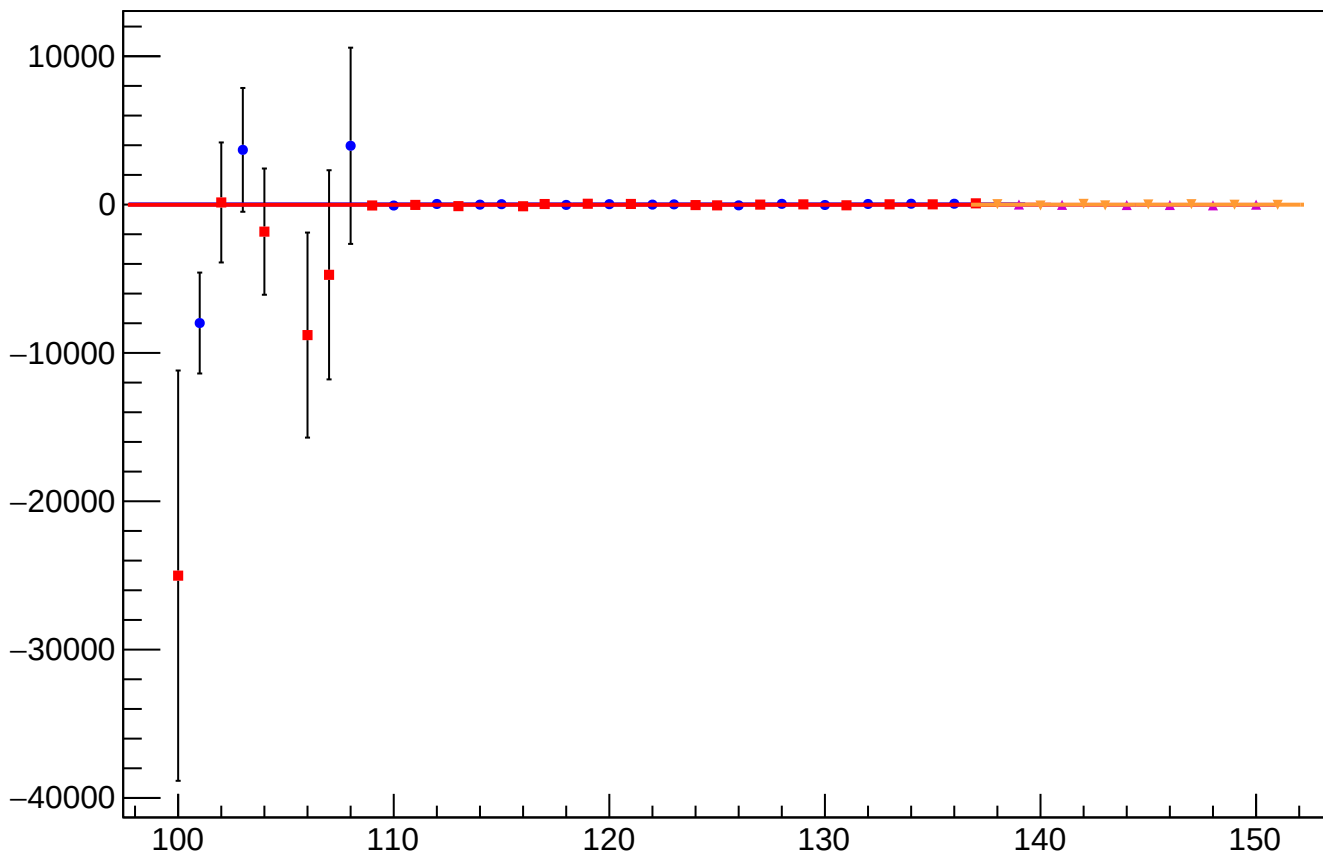
Right Out: 173.536+/-0.057 χ^2/NDF : 4210933.2/19

Left In: 247.415+/-0.081 χ^2/NDF : 168798.5/5

218.086+/-0.049 χ^2/NDF : 4601077.0/24

198.136+/-0.047 χ^2/NDF : 4938332.5/25

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.398+/-12.190 χ^2/NDF : 18.3/16

Left Out: -6.712+/-12.466 χ^2/NDF : 8.0/7

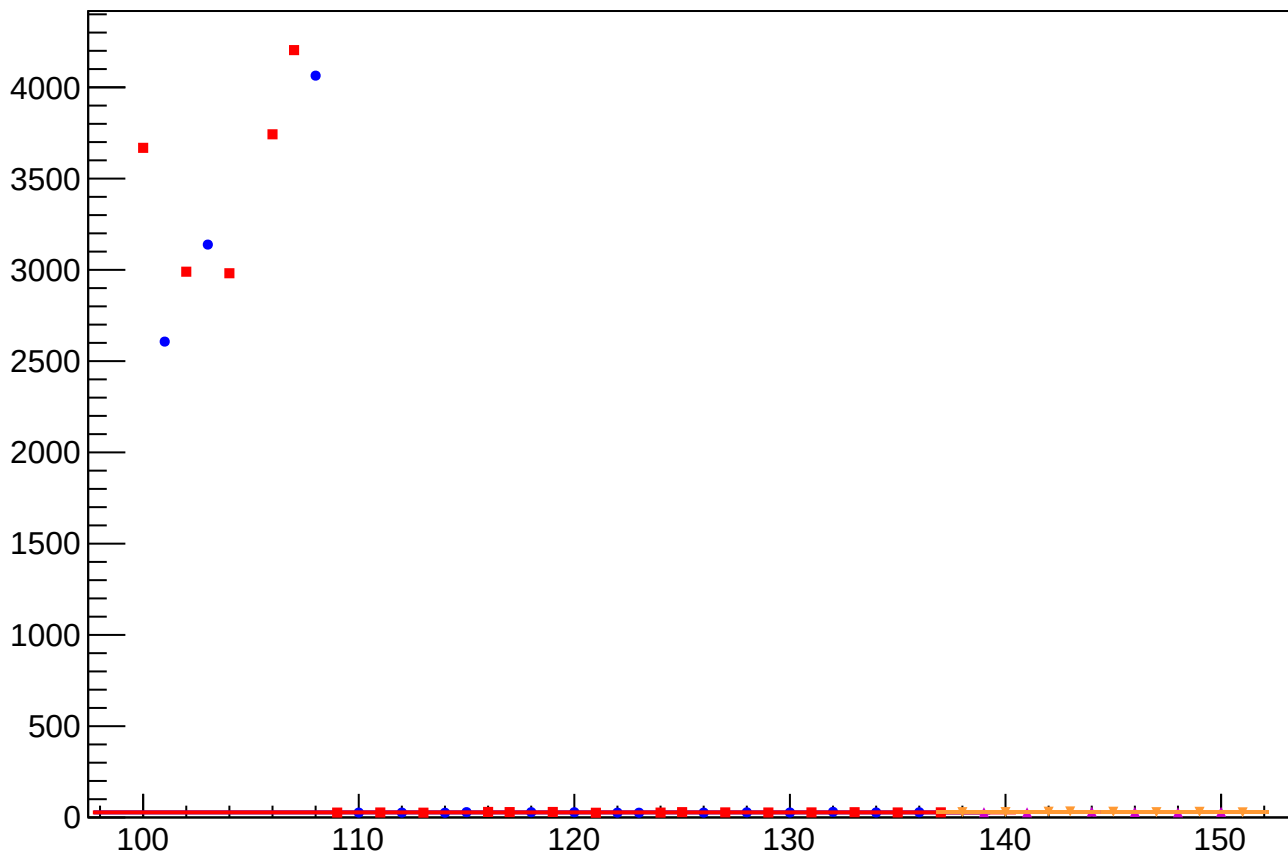
Right Out: -12.573+/-12.182 χ^2/NDF : 24.5/19

Left In: -22.739+/-13.518 χ^2/NDF : 1.8/5

2.035+/-8.716 χ^2/NDF : 27.2/24

-17.129+/-9.049 χ^2/NDF : 26.6/25

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.837 $\pm$ 0.009 χ^2 /NDF: 3026887.2/16

Left Out: 29.878 $\pm$ 0.009 χ^2 /NDF: 29315.3/7

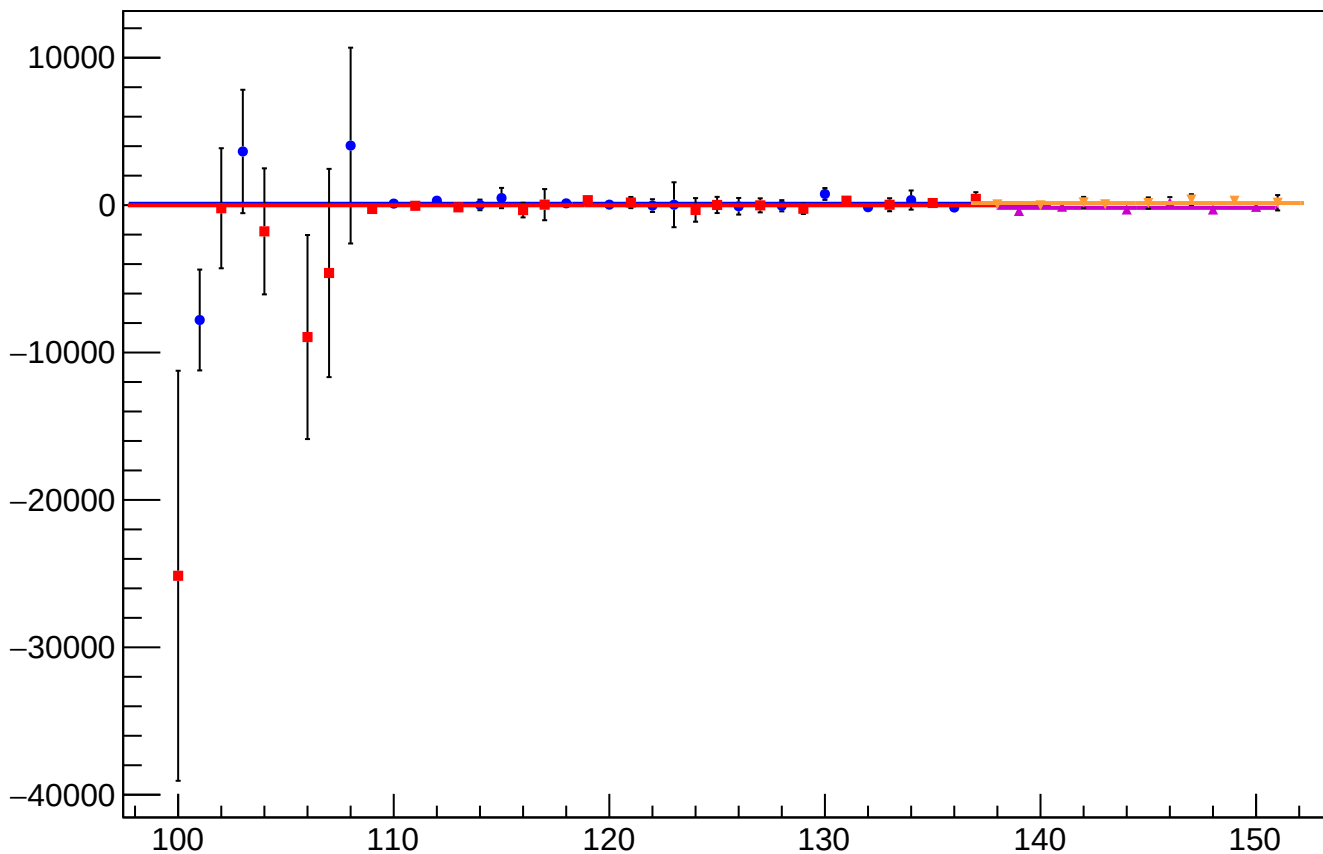
Right Out: 27.706 $\pm$ 0.009 χ^2 /NDF: 3477080.4/19

Left In: 29.763 $\pm$ 0.010 χ^2 /NDF: 25704.8/5

28.834 $\pm$ 0.006 χ^2 /NDF: 3083623.7/24

28.628 $\pm$ 0.006 χ^2 /NDF: 3528323.4/25

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: 140.956+/-112.581 χ^2/NDF : 1.3/7

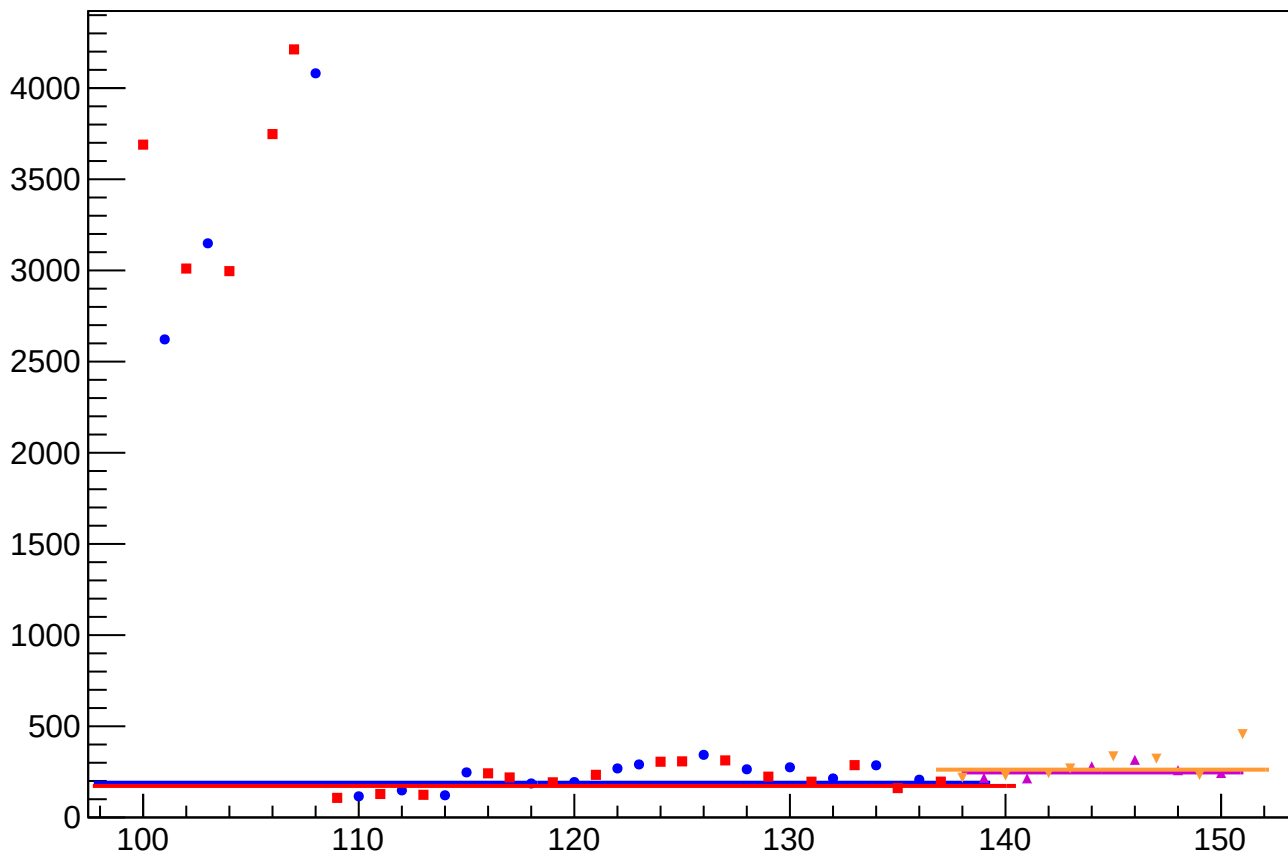
Right Out: -12.509+/-80.407 χ^2/NDF : 12.7/19

Left In: -184.813+/-113.933 χ^2/NDF : 2.2/5

110.923+/-69.017 χ^2/NDF : 14.1/24

-69.795+/-65.694 χ^2/NDF : 16.4/25

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.485+/-0.062 χ^2/NDF : 3583573.2/16

Left Out: 262.113+/-0.080 χ^2/NDF : 528174.6/7

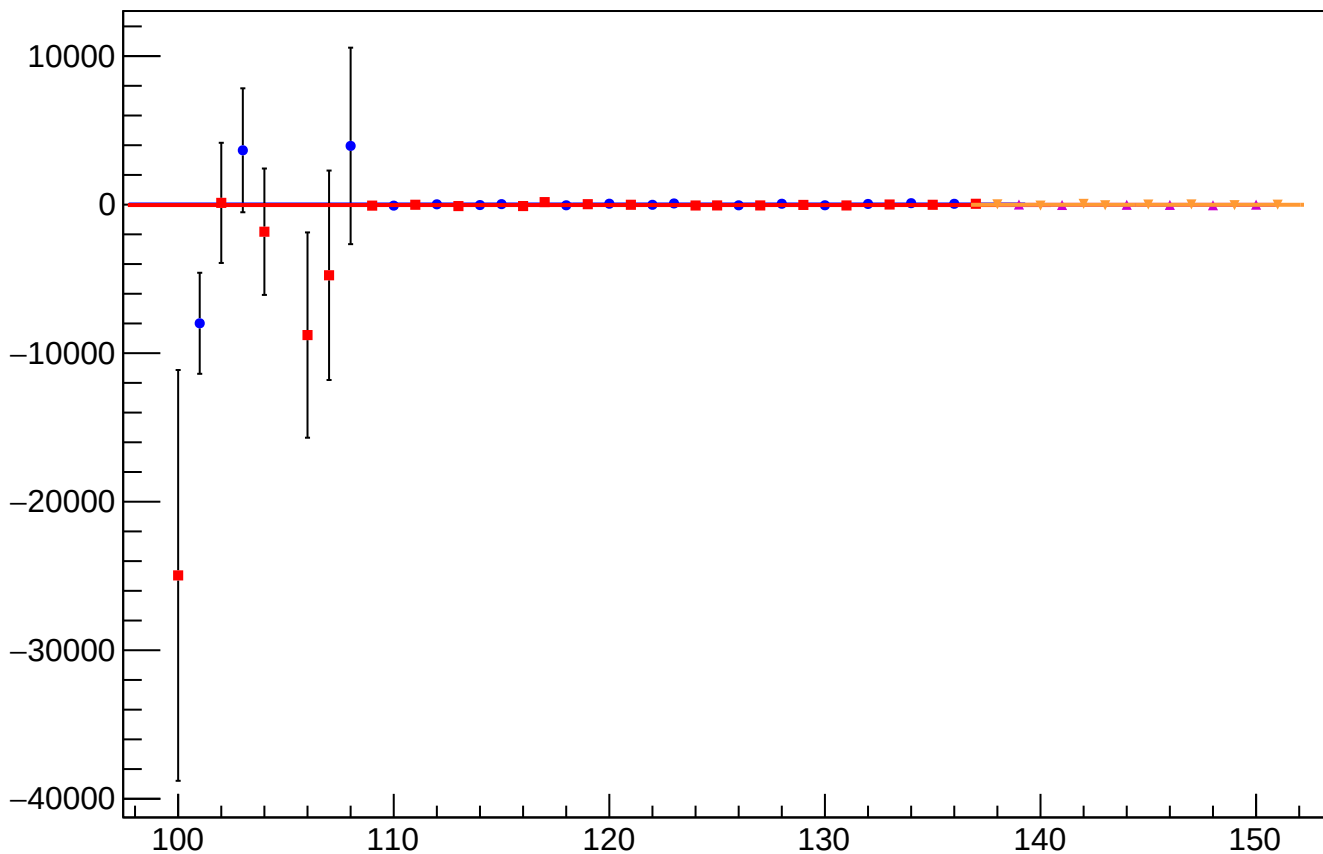
Right Out: 172.872+/-0.057 χ^2/NDF : 422275.2/19

Left In: 246.899+/-0.081 χ^2/NDF : 168580.1/5

217.405+/-0.049 χ^2/NDF : 4617068.9/24

197.484+/-0.046 χ^2/NDF : 4954473.4/25

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 9.600 $\pm$ 12.273 χ^2 /NDF: 23.2/16

Left Out: -9.575 $\pm$ 12.545 χ^2 /NDF: 7.2/7

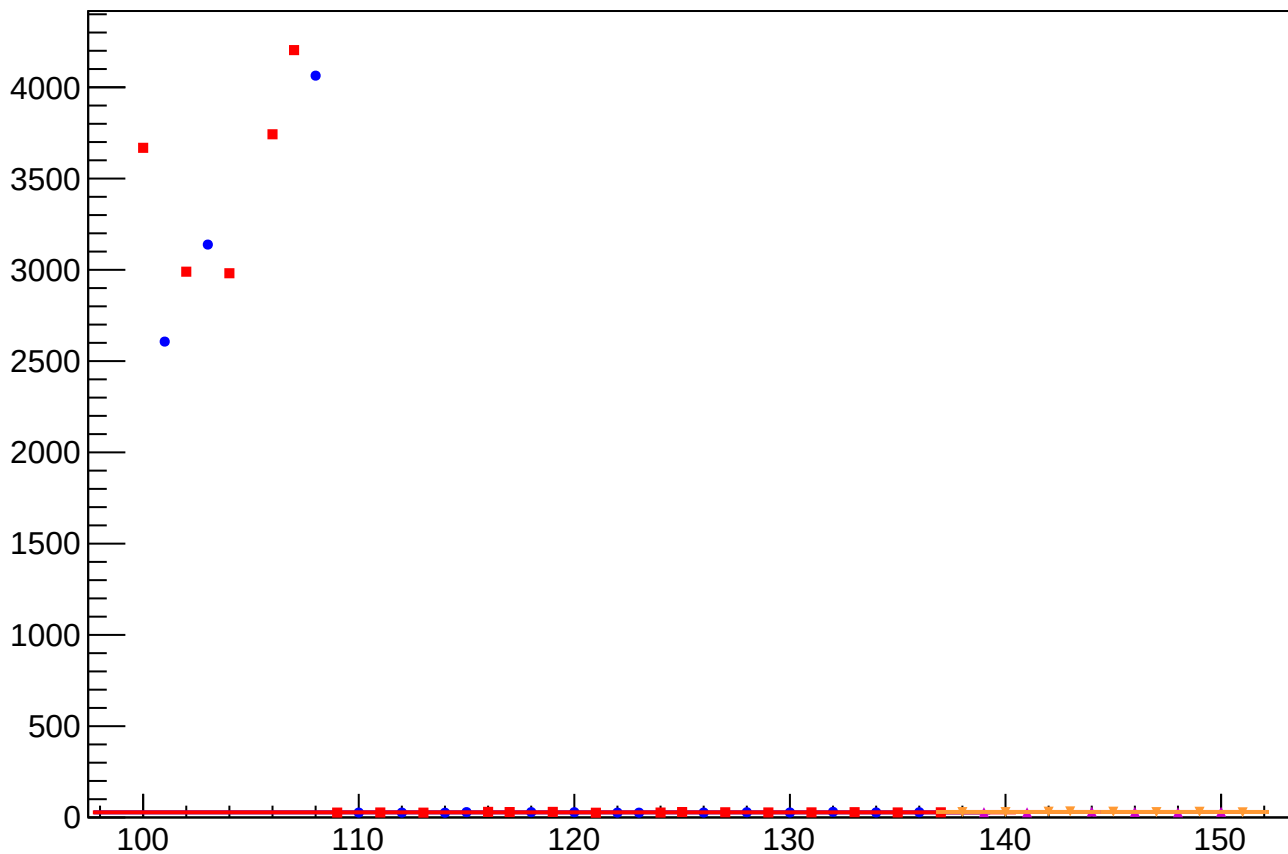
Right Out: -28.128 $\pm$ 12.282 χ^2 /NDF: 18.5/19

Left In: -15.330 $\pm$ 13.608 χ^2 /NDF: 1.3/5

0.222 $\pm$ 8.773 χ^2 /NDF: 31.6/24

-22.383 $\pm$ 9.118 χ^2 /NDF: 20.3/25

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: 30.064+/-0.009 χ^2/NDF :30447.9/7

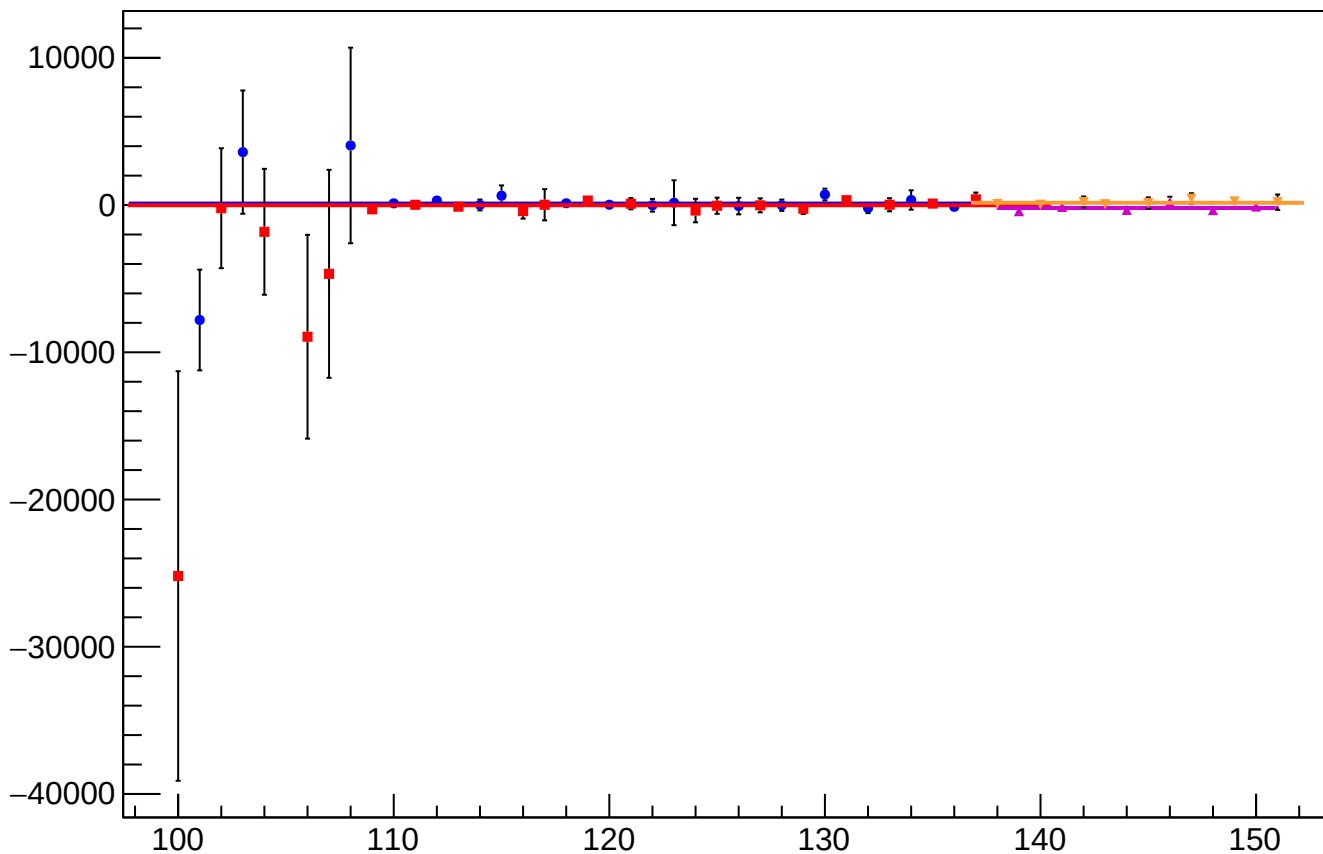
Right Out: 27.929+/-0.009 χ^2/NDF : 3479867.7/19

Left In: 29.957+/-0.010 χ^2/NDF :27248.9/5

29.021+/-0.006 χ^2/NDF : 3084497.7/24

28.839+/-0.006 χ^2/NDF : 3531590.1/25

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 101.772 $\pm$ 88.390 χ^2 /NDF: 12.4/16

Left Out: 154.988 $\pm$ 113.994 χ^2 /NDF:1.1/7

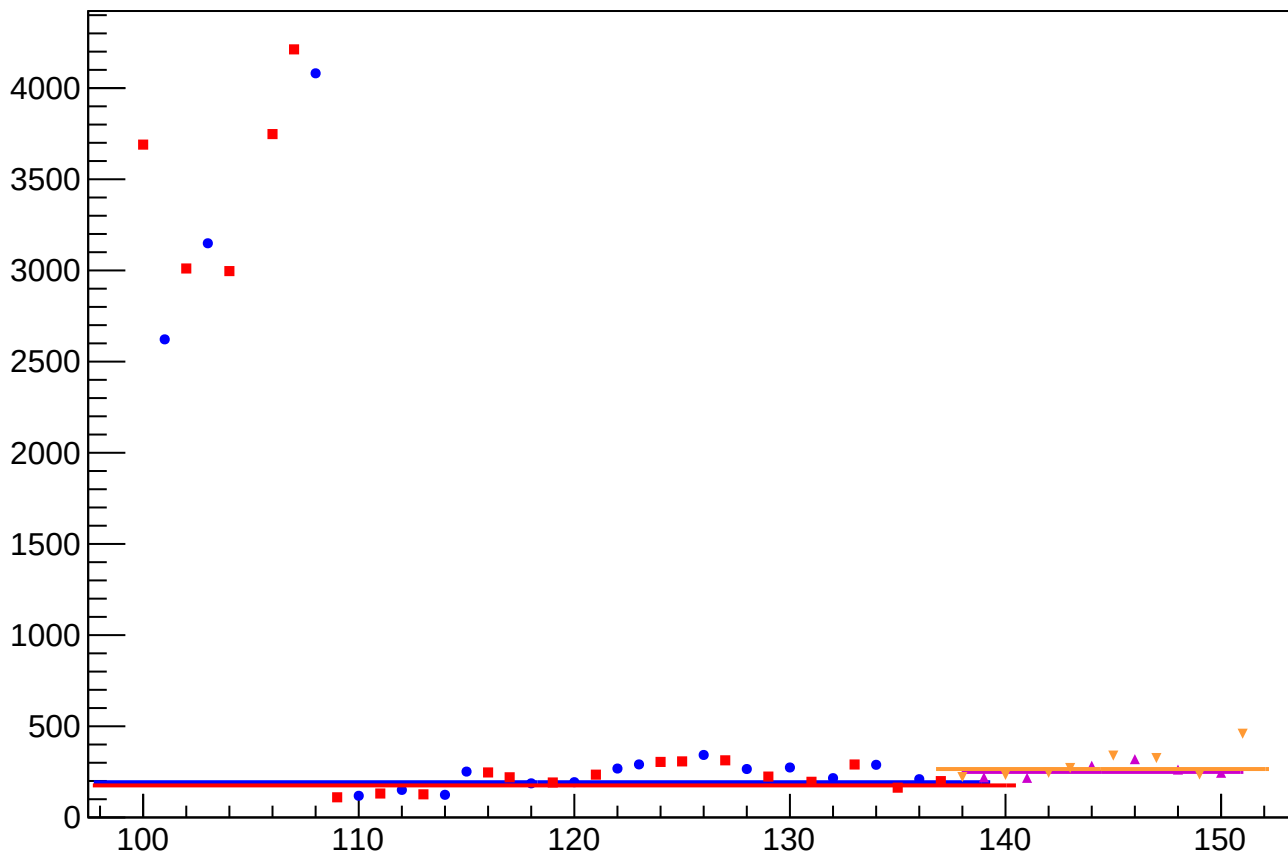
Right Out: -11.037 $\pm$ 81.486 χ^2 /NDF: 12.3/19

Left In: -197.981 $\pm$ 115.244 χ^2 /NDF:2.6/5

121.754 $\pm$ 69.852 χ^2 /NDF: 13.7/24

-73.348 $\pm$ 66.534 χ^2 /NDF: 16.6/25

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: 265.551+/-0.081 χ^2/NDF : 518582.6/7

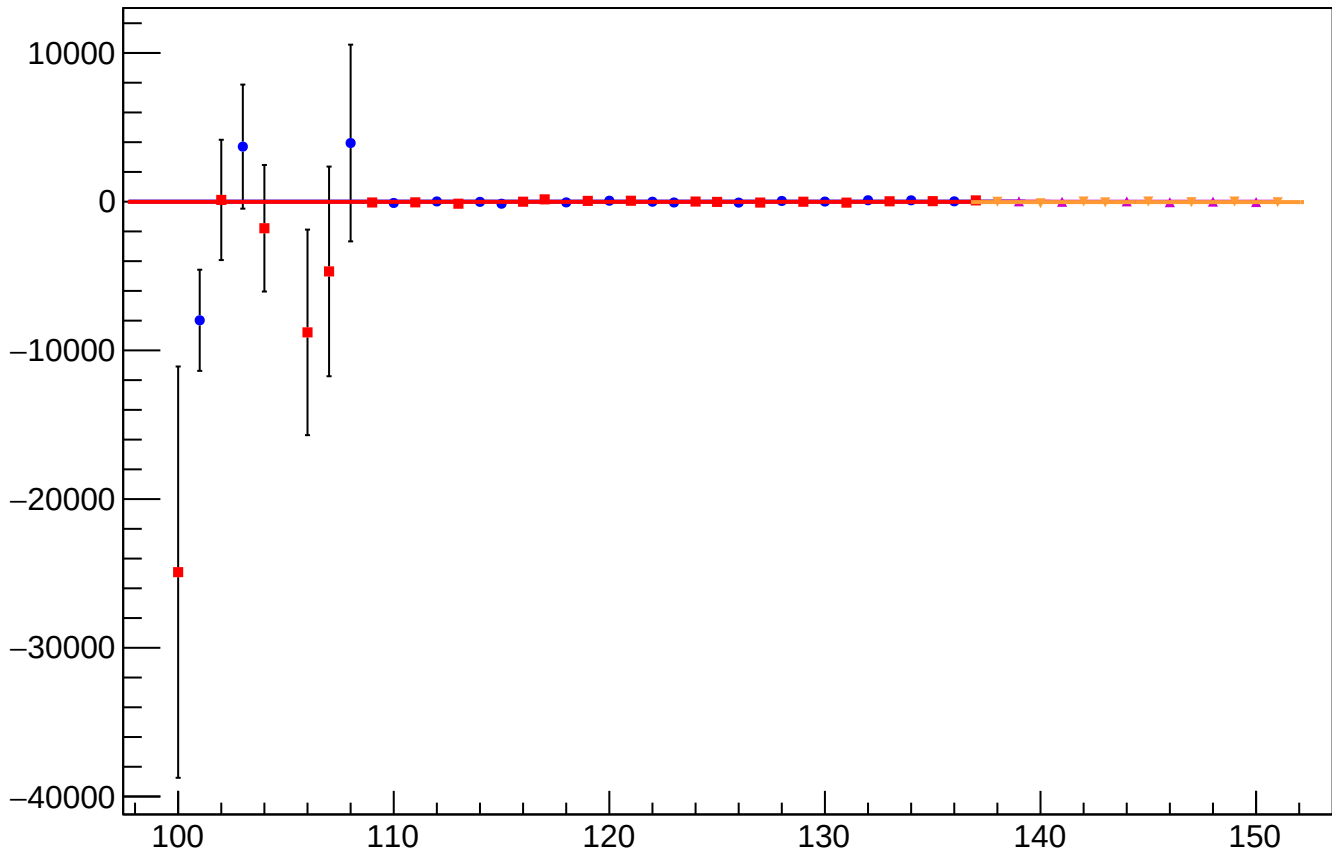
Right Out: 175.749+/-0.058 χ^2/NDF : 4168935.2/19

Left In: 249.796+/-0.081 χ^2/NDF : 167312.8/5

220.360+/-0.049 χ^2/NDF : 4557992.9/24

200.430+/-0.047 χ^2/NDF : 4886709.9/25

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: -28.265+/-14.790 χ^2/NDF : 6.6/7

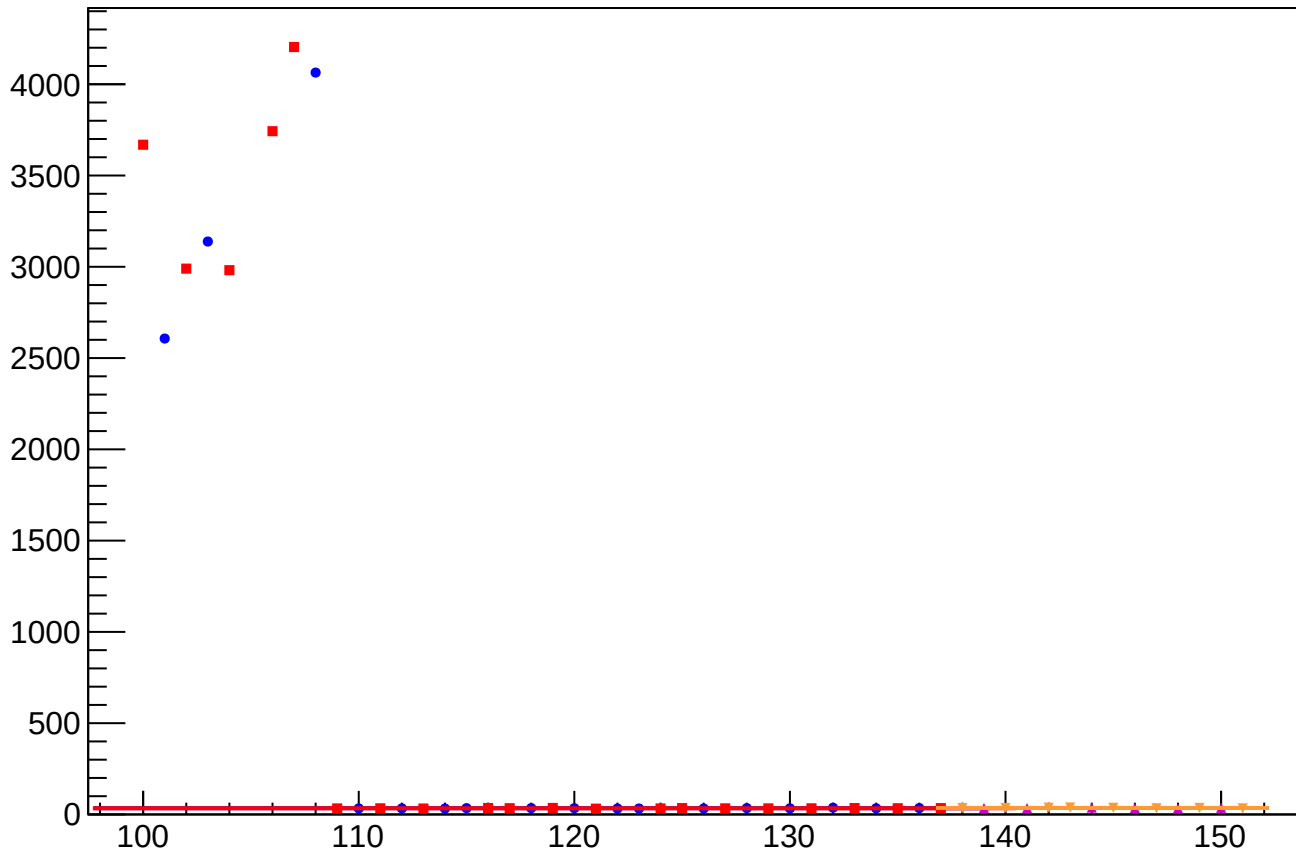
Right Out: -11.101+/-14.886 χ^2/NDF : 22.7/19

Left In: -2.511+/-16.082 χ^2/NDF : 1.8/5

-11.968+/-10.509 χ^2/NDF : 29.5/24

-7.138+/-10.924 χ^2/NDF : 24.7/25

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.137+/-0.011 χ^2/NDF : 3006248.0/16

Left Out: 35.503+/-0.010 χ^2/NDF : 18992.7/7

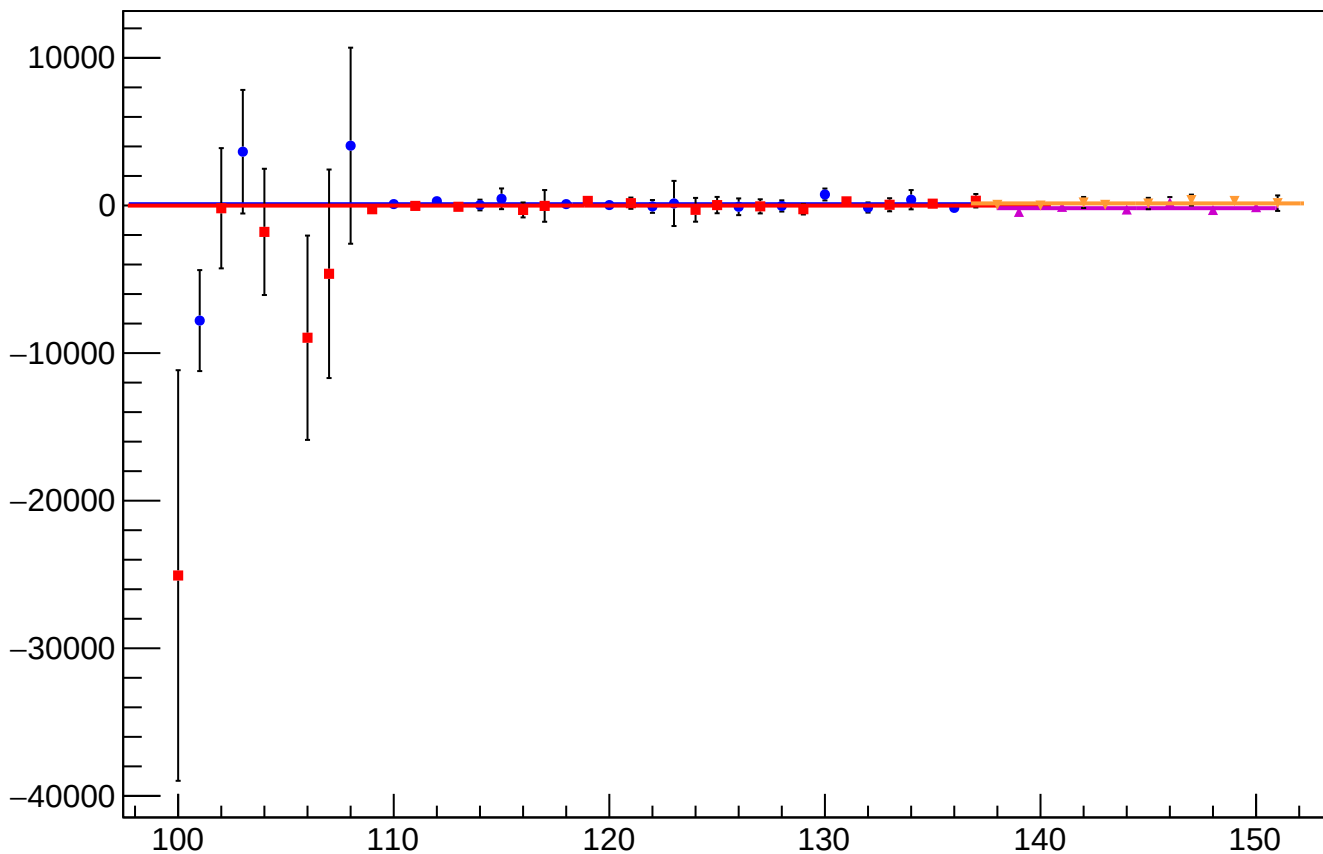
Right Out: 33.915+/-0.011 χ^2/NDF : 3451897.1/19

Left In: 35.462+/-0.011 χ^2/NDF : 11114.1/5

34.827+/-0.007 χ^2/NDF : 3033681.0/24

34.629+/-0.008 χ^2/NDF : 3472976.3/25

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: 141.040+/-113.161 χ^2/NDF : 1.3/7

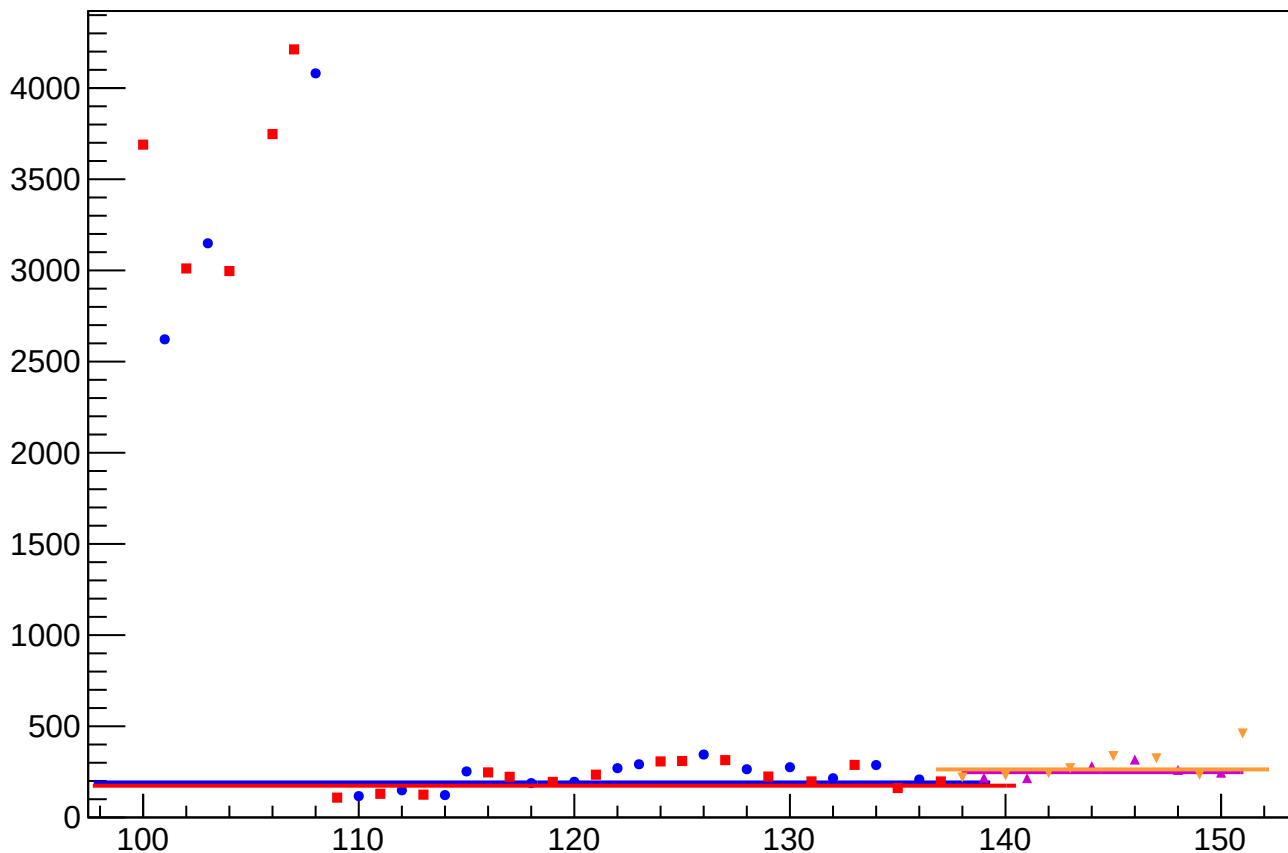
Right Out: -7.420+/-80.977 χ^2/NDF : 11.1/19

Left In: -183.305+/-114.625 χ^2/NDF : 2.6/5

106.752+/-69.441 χ^2/NDF : 13.9/24

-65.976+/-66.138 χ^2/NDF : 15.3/25

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: 263.438+/-0.080 χ^2/NDF : 530494.7/7

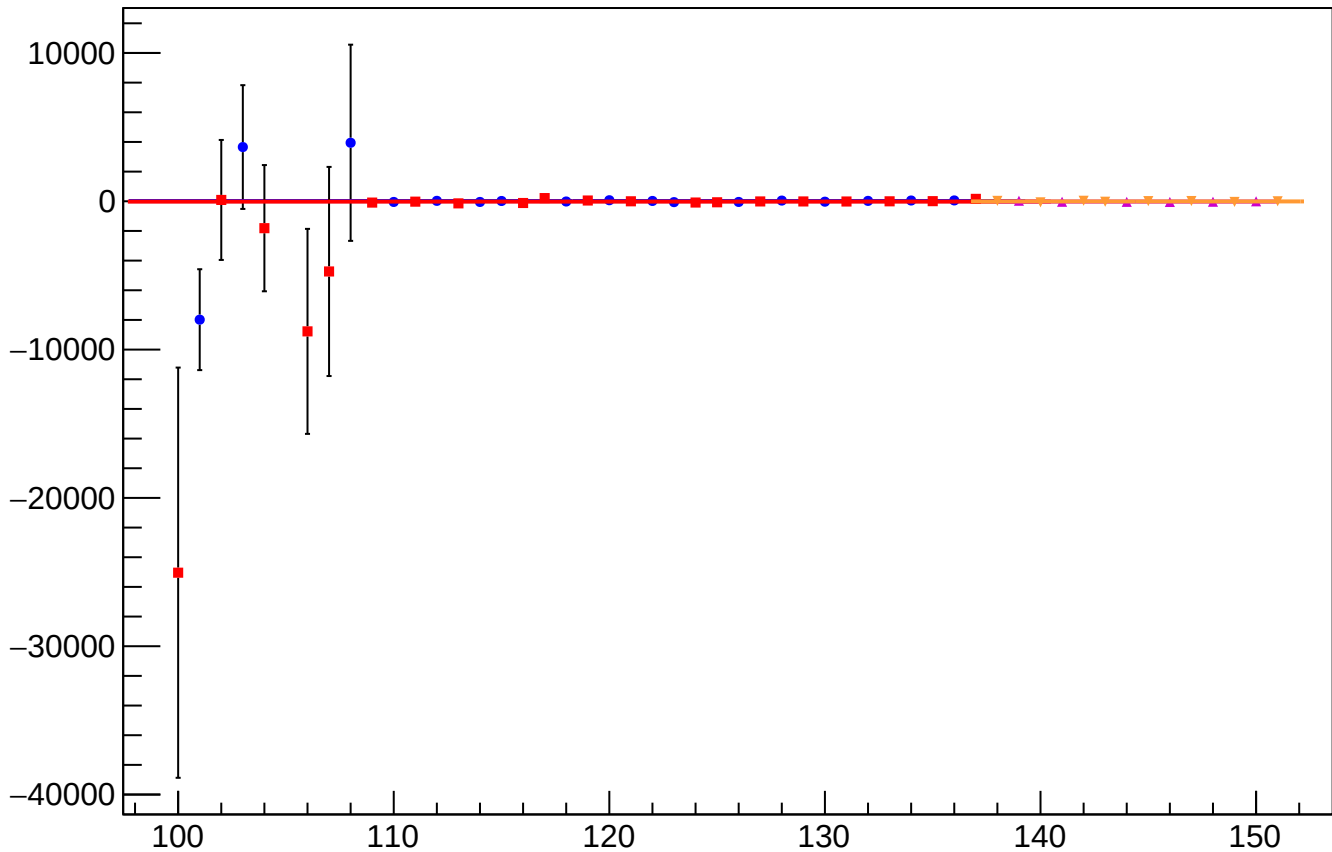
Right Out: 174.207+/-0.057 χ^2/NDF : 4215538.3/19

Left In: 248.424+/-0.081 χ^2/NDF : 167326.4/5

218.826+/-0.049 χ^2/NDF : 4602141.0/24

198.915+/-0.047 χ^2/NDF : 4942184.9/25

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: -9.487+/-13.637 χ^2/NDF : 6.6/7

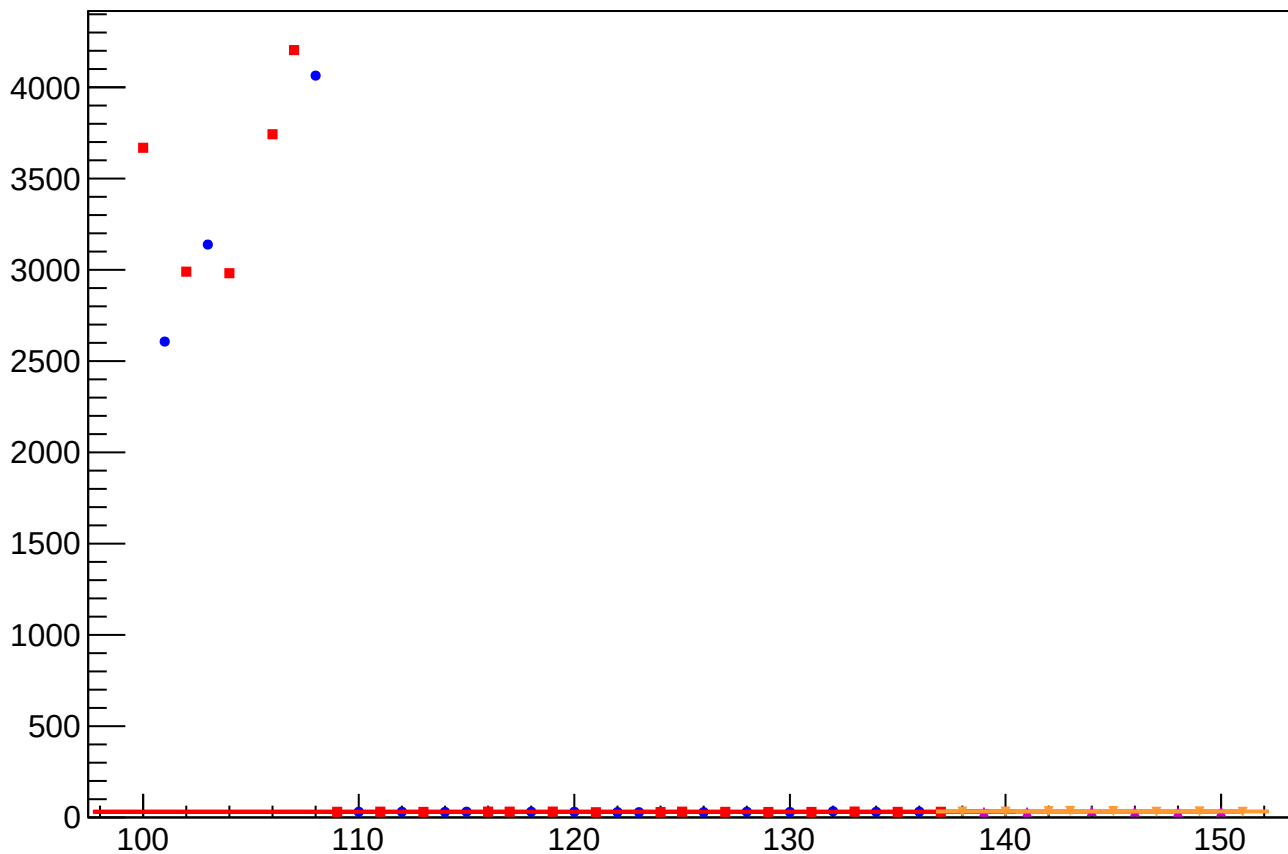
Right Out: -21.490+/-13.601 χ^2/NDF : 29.9/19

Left In: -19.496+/-14.691 χ^2/NDF : 3.4/5

2.334+/-9.636 χ^2/NDF : 23.3/24

-20.570+/-9.981 χ^2/NDF : 33.3/25

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.127+/-0.010 χ^2/NDF : 3014425.9/16

Left Out: 32.693+/-0.010 χ^2/NDF : 29812.9/7

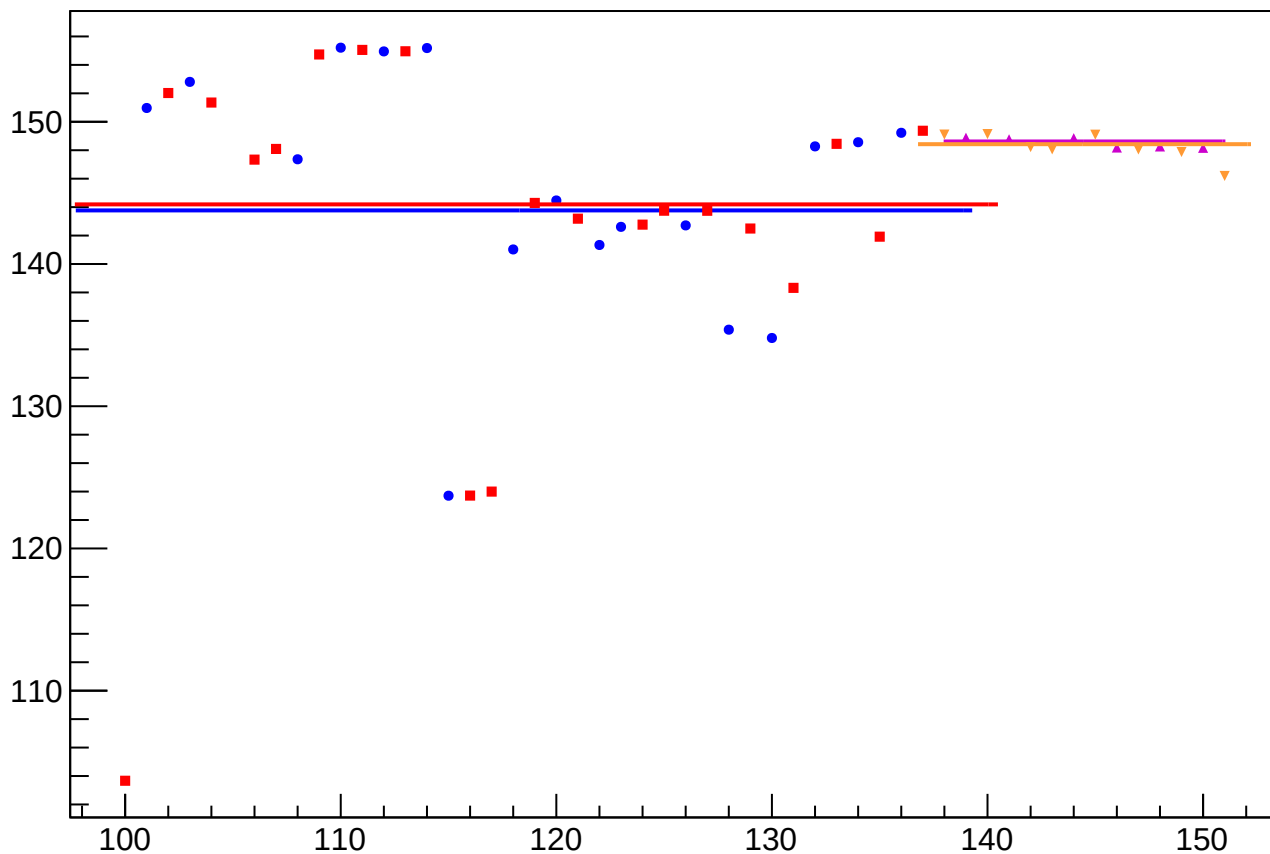
Right Out: 30.970+/-0.010 χ^2/NDF : 3459018.8/19

Left In: 32.372+/-0.010 χ^2/NDF : 19941.6/5

31.909+/-0.007 χ^2/NDF : 3057453.1/24

31.617+/-0.007 χ^2/NDF : 3488756.4/25

yield_bcm_an_ds_mean vs Slug



Right In: 143.768 ± 0.000 χ^2/NDF : 3532173868.5/16

Left Out: 148.425 ± 0.000 χ^2/NDF : 30680996.7/7

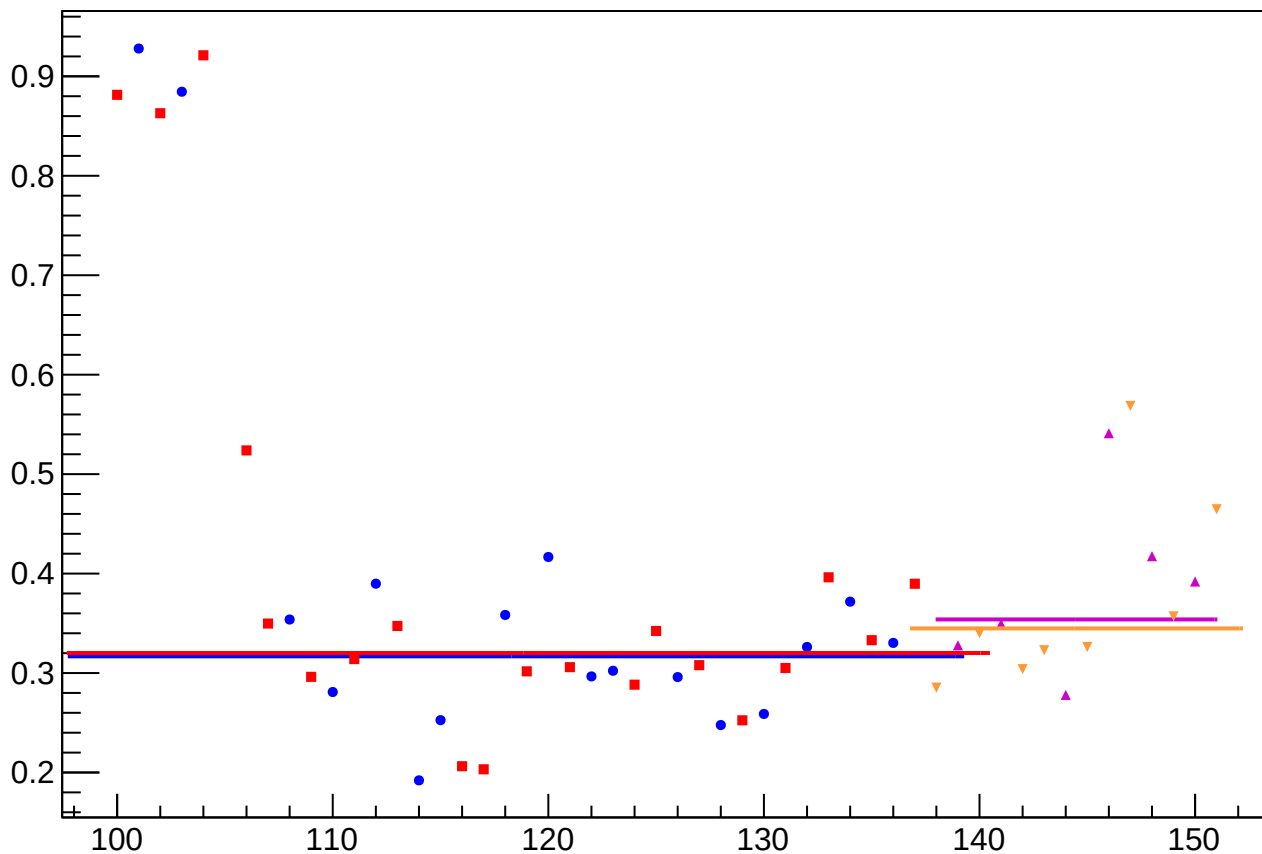
Right Out: 144.192 ± 0.000 χ^2/NDF : 4524049993.1/19

Left In: 148.616 ± 0.000 χ^2/NDF : 3284779.2/5

145.840 ± 0.000 χ^2/NDF : 4099777656.9/24

145.898 ± 0.000 χ^2/NDF : 4960481626.3/25

yield_bcm_an_ds_rms vs Slug



Right In: 0.317+/-0.000 χ^2/NDF : 1278613.2/16

Left Out: 0.345+/-0.000 χ^2/NDF : 416302.6/7

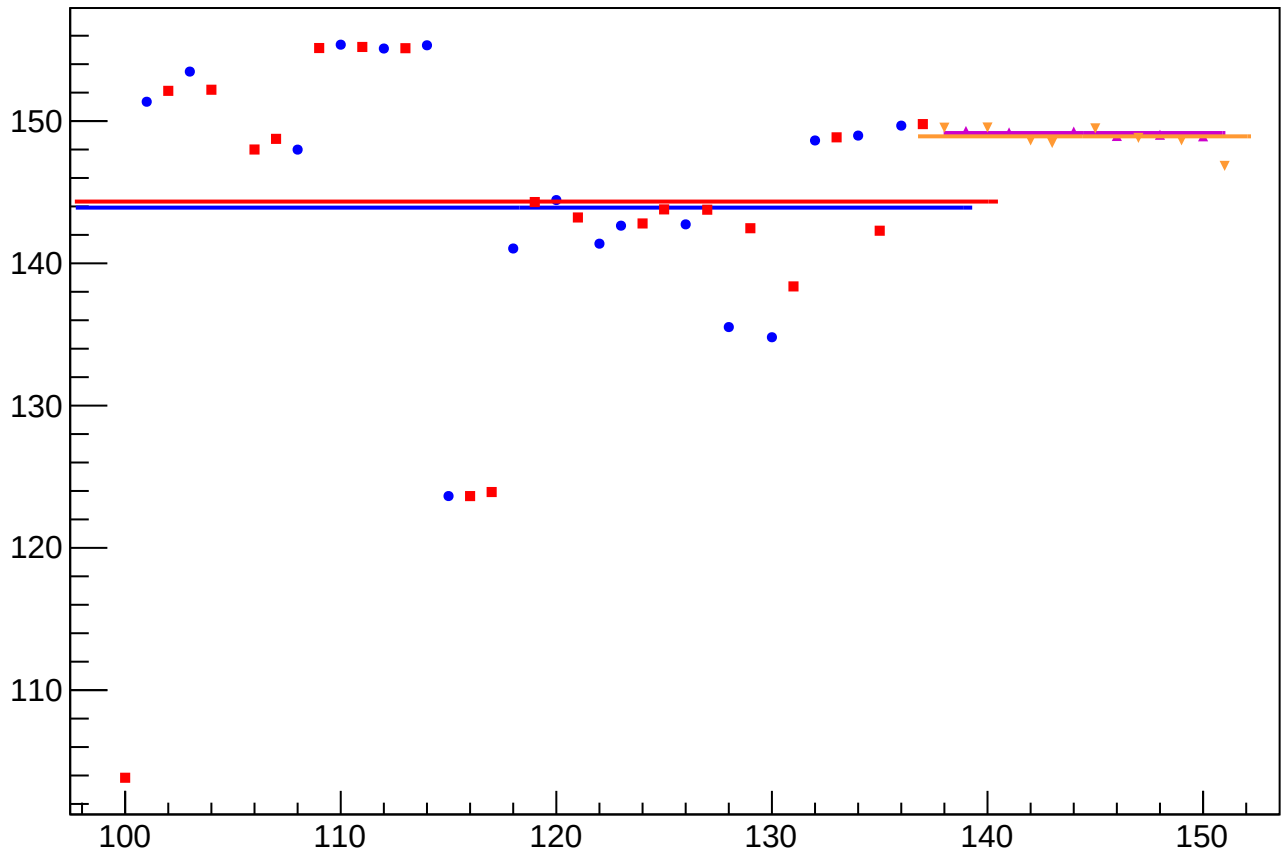
Right Out: 0.320+/-0.000 χ^2/NDF : 1240600.2/19

Left In: 0.354+/-0.000 χ^2/NDF : 374327.7/5

0.329+/-0.000 χ^2/NDF : 1733906.7/24

0.333+/-0.000 χ^2/NDF : 1665307.0/25

yield_bcm_an_ds3_mean vs Slug



Right In: 143.917 $\pm$ 0.000 χ^2 /NDF: 3584662767.5/16

Left Out: 148.927 $\pm$ 0.000 χ^2 /NDF:24422008.0/7

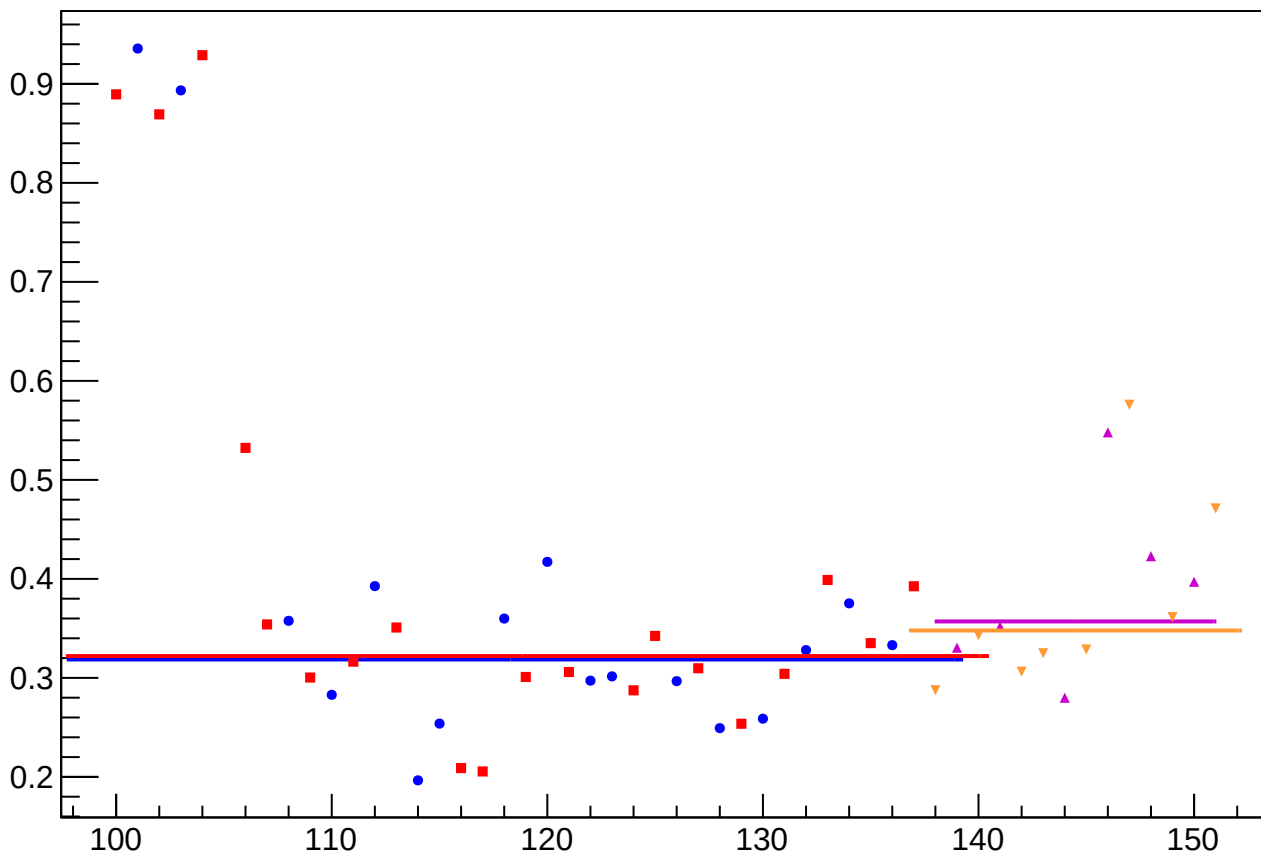
146.137 $\pm$ 0.000 χ^2 /NDF: 4221255044.8/24

Right Out: 144.342 $\pm$ 0.000 χ^2 /NDF: 4551365931.0/19

146.192 $\pm$ 0.000 χ^2 /NDF: 5057502690.6/25

Left In: 149.159 $\pm$ 0.000 χ^2 /NDF:718449.8/5

yield_bcm_an_ds3_rms vs Slug



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

Left Out: 0.348+/-0.000 χ^2/NDF : 424031.0/7

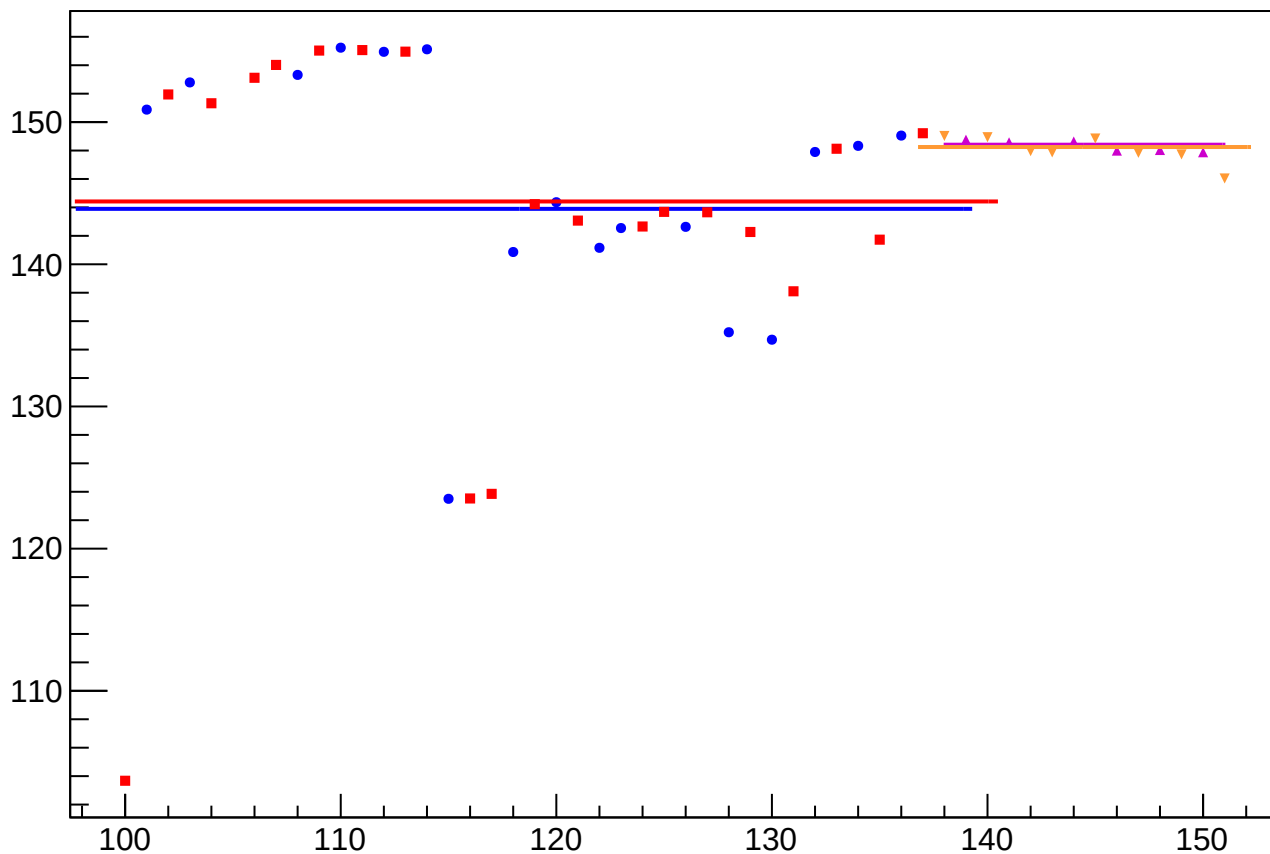
Right Out: 0.322+/-0.000 χ^2/NDF : 1243109.0/19

Left In: 0.357+/-0.000 χ^2/NDF : 382223.7/5

0.332+/-0.000 χ^2/NDF : 1746614.9/24

0.335+/-0.000 χ^2/NDF : 1678660.8/25

yield_bcm_an_us_mean vs Slug



Right In: 143.899+/-0.000 χ^2/NDF : 3749888331.0/16

Left Out: 148.247+/-0.000 χ^2/NDF :30752653.4/7

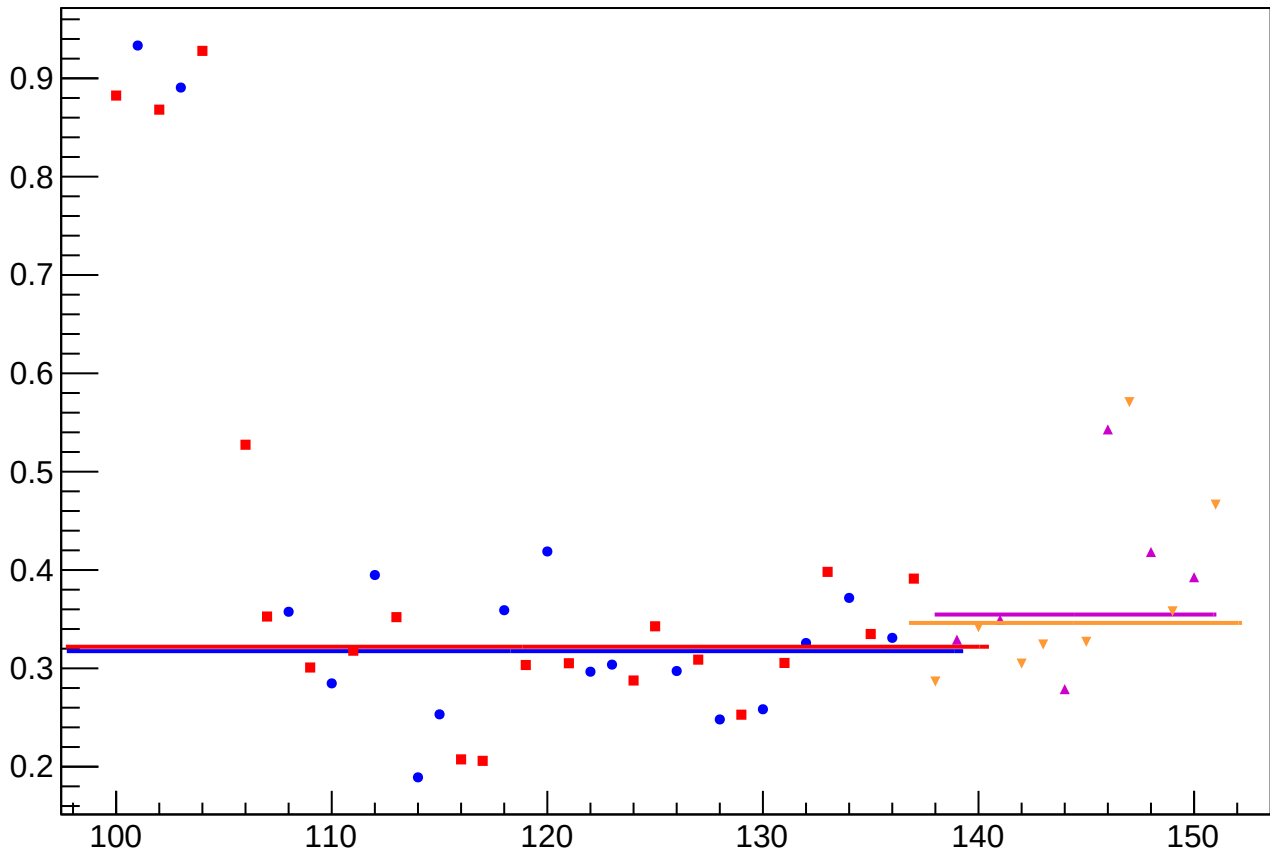
Right Out: 144.419+/-0.000 χ^2/NDF : 4820290476.6/19

Left In: 148.410+/-0.000 χ^2/NDF :4079569.1/5

145.831+/-0.000 χ^2/NDF : 4245673813.6/24

145.964+/-0.000 χ^2/NDF : 5174486573.4/25

yield_bcm_an_us_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1293179.2/16

Left Out: 0.346 $\pm$ 0.000 χ^2 /NDF: 415985.7/7

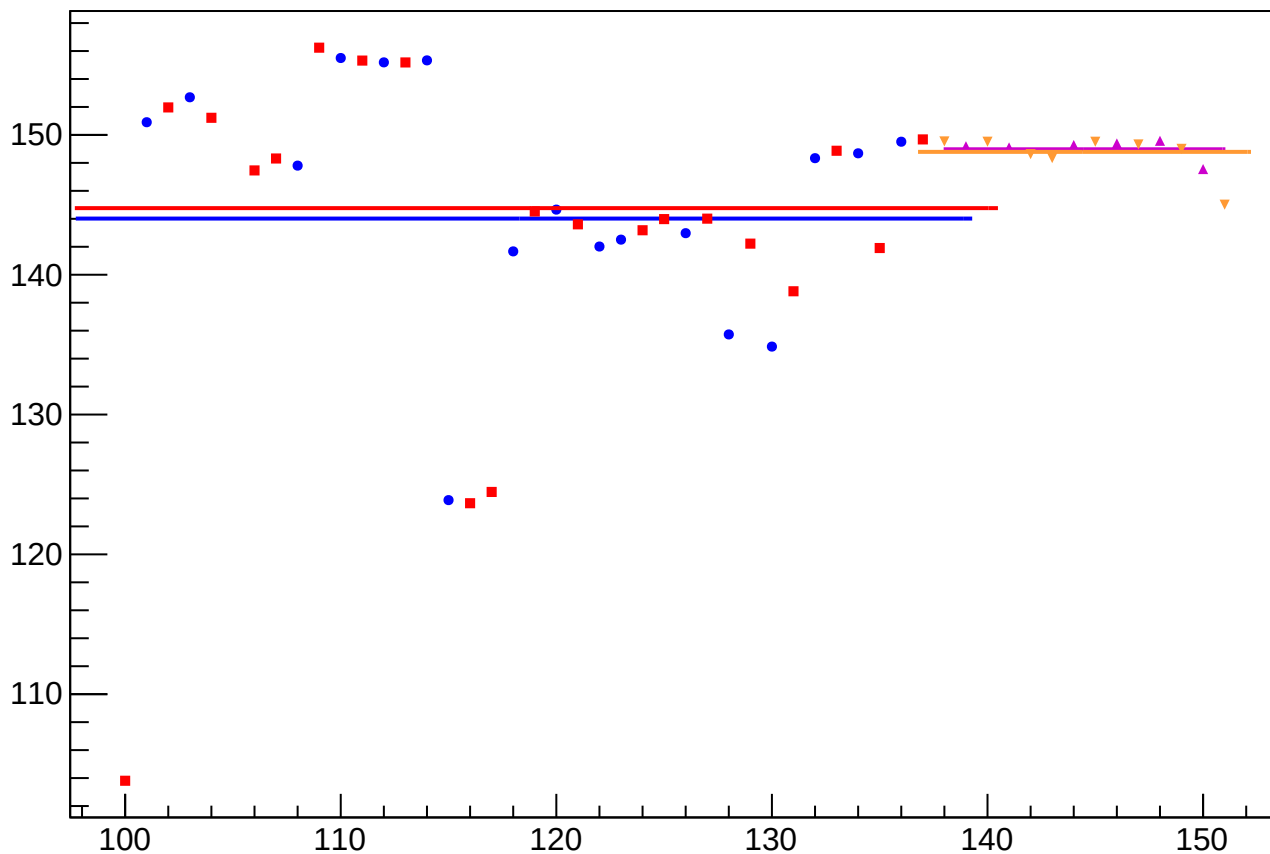
Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1243703.4/19

Left In: 0.355 $\pm$ 0.000 χ^2 /NDF: 373873.8/5

0.330 $\pm$ 0.000 χ^2 /NDF: 1749698.4/24

0.335 $\pm$ 0.000 χ^2 /NDF: 1664666.6/25

yield_bcm_dg_us_mean vs Slug



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

Left Out: 148.788 $\pm$ 0.000 χ^2 /NDF: 60967167.9/7

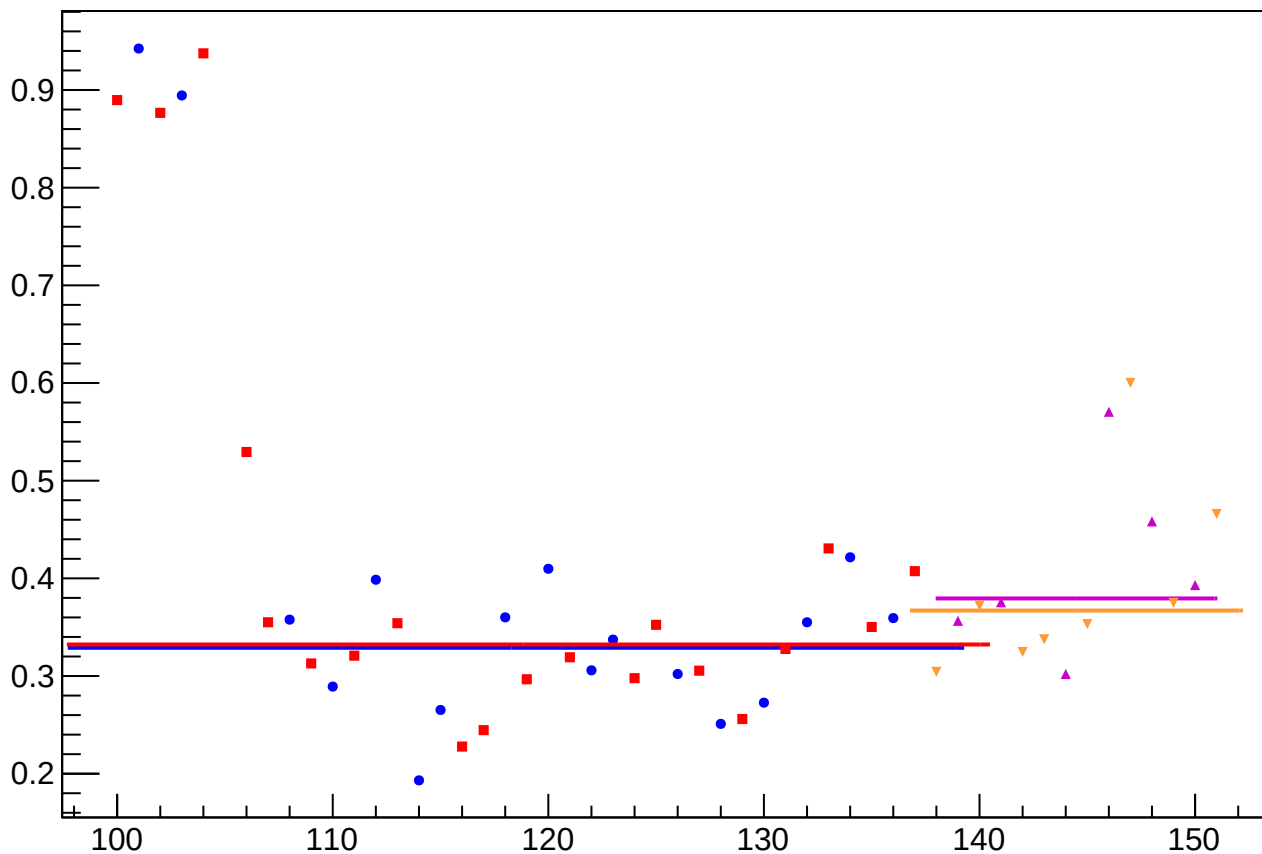
Right Out: 144.764 $\pm$ 0.000 χ^2 /NDF: 4098462011.9/19

Left In: 148.972 $\pm$ 0.000 χ^2 /NDF: 14013280.9/5

146.082 $\pm$ 0.000 χ^2 /NDF: 3805538426.4/24

146.322 $\pm$ 0.000 χ^2 /NDF: 4462086435.4/25

yield_bcm_dg_us_rms vs Slug



Right In: 0.329+/-0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.367+/-0.000 χ^2/NDF : 373645.2/7

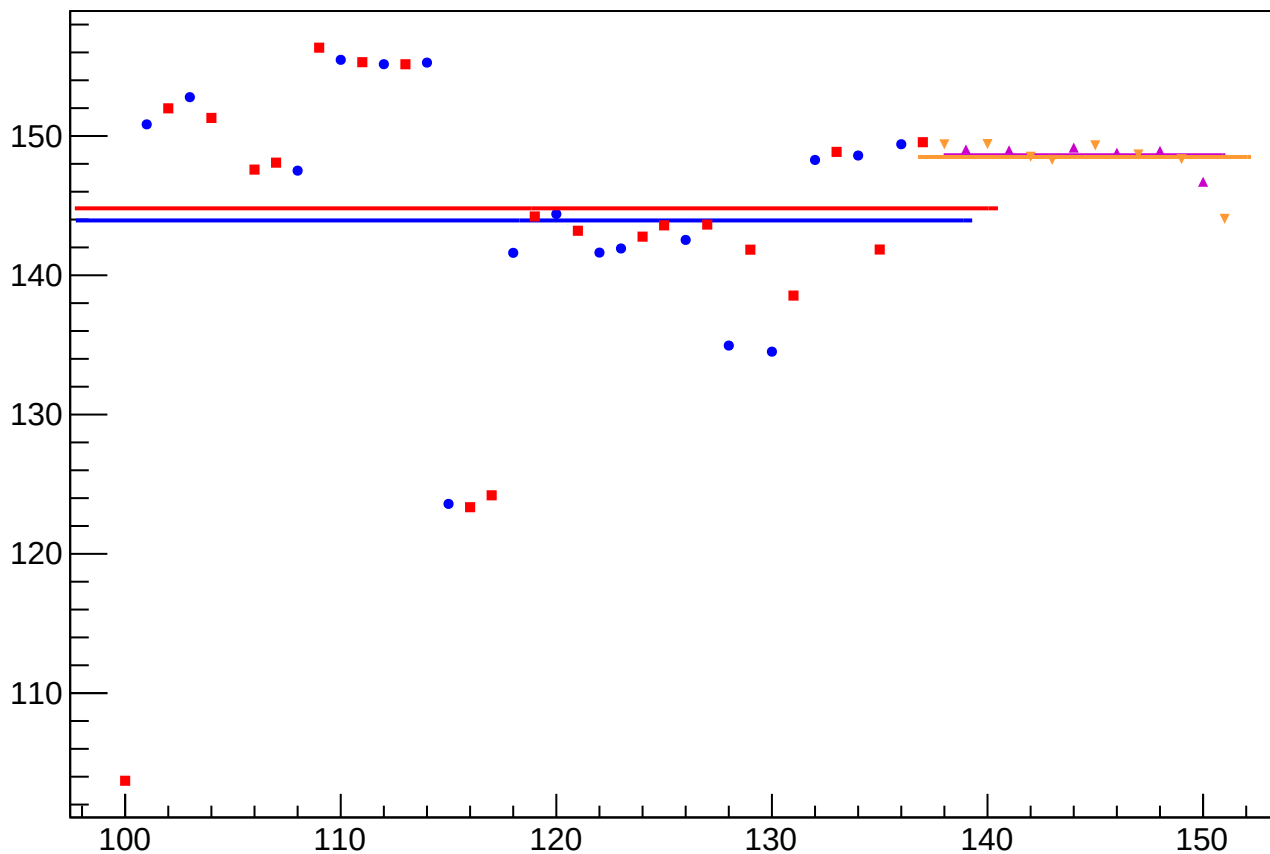
Right Out: 0.332+/-0.000 χ^2/NDF : 1191637.2/19

Left In: 0.379+/-0.000 χ^2/NDF : 337707.5/5

0.345+/-0.000 χ^2/NDF : 1714336.3/24

0.350+/-0.000 χ^2/NDF : 1617097.3/25

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 $\pm$ 0.000 χ^2 /NDF: 3379203532.9/16

Left Out: 148.493 $\pm$ 0.000 χ^2 /NDF: 82933179.2/7

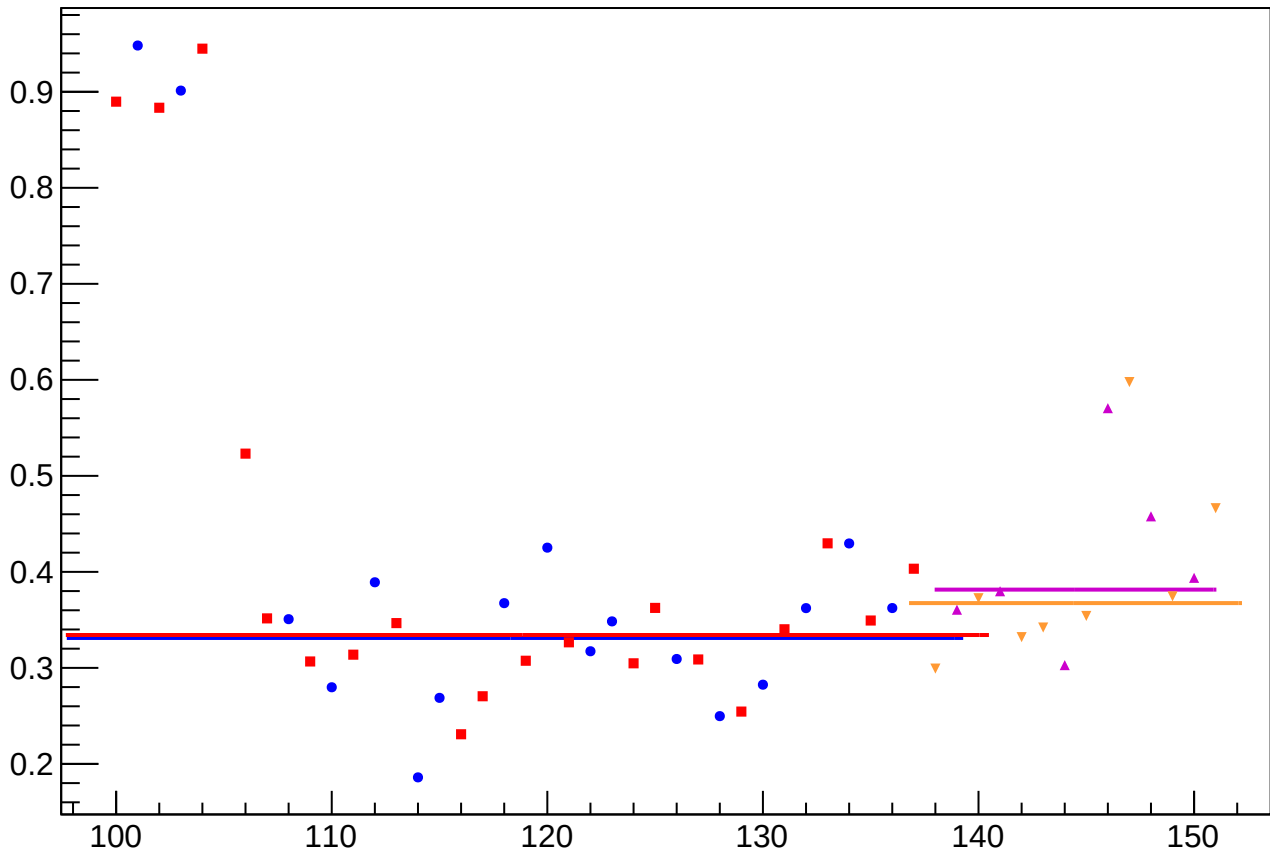
Right Out: 144.806 $\pm$ 0.000 χ^2 /NDF: 4139087143.3/19

Left In: 148.617 $\pm$ 0.000 χ^2 /NDF: 24657169.5/5

145.921 $\pm$ 0.000 χ^2 /NDF: 3918831713.1/24

146.216 $\pm$ 0.000 χ^2 /NDF: 4446554286.9/25

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331+/-0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.367+/-0.000 χ^2/NDF : 374529.6/7

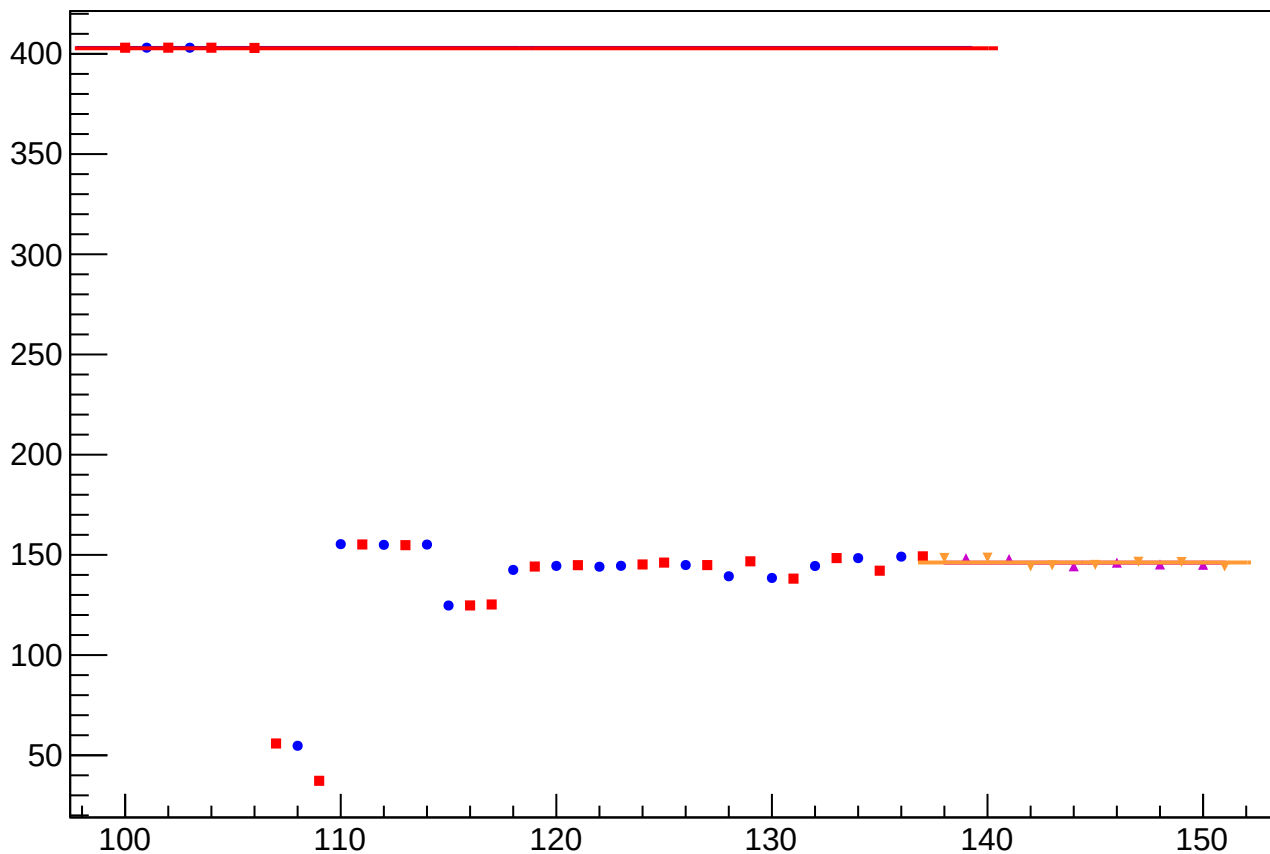
Right Out: 0.334+/-0.000 χ^2/NDF : 1176170.4/19

Left In: 0.382+/-0.000 χ^2/NDF : 331102.6/5

0.347+/-0.000 χ^2/NDF : 1728285.0/24

0.352+/-0.000 χ^2/NDF : 1594296.4/25

yield_cav4bQ_mean vs Slug



Right In: 402.957+/-0.000 χ^2/NDF : 1096710296821.6/16

Left Out: 146.194+/-0.000 χ^2/NDF : 30352883.8/7

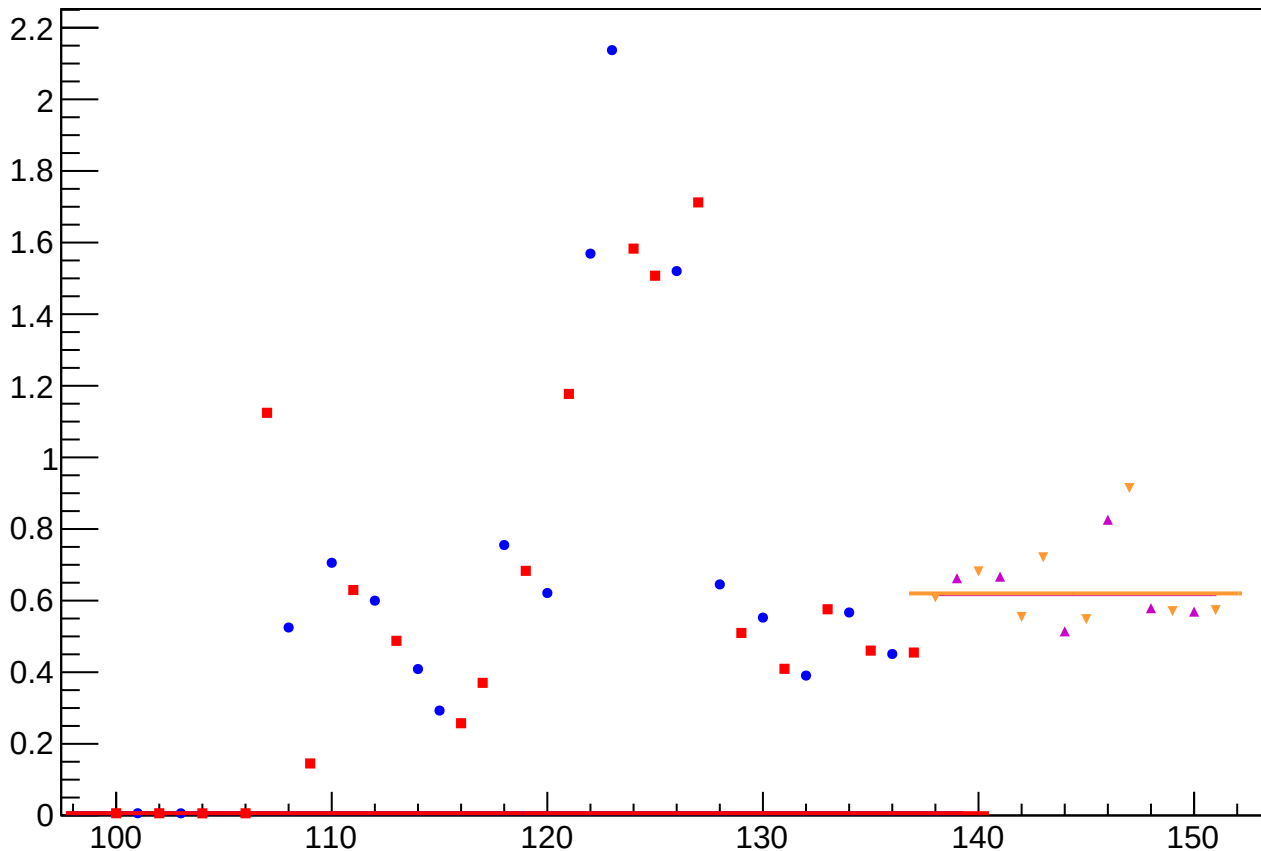
Right Out: 402.797+/-0.000 χ^2/NDF : 3122752044607.2/19

Left In: 146.102+/-0.000 χ^2/NDF : 19643023.7/5

402.876+/-0.000 χ^2/NDF : 1744245815799.1/24

402.737+/-0.000 χ^2/NDF : 3662020337325.1/25

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.620+/-0.000 χ^2/NDF :167353.6/7

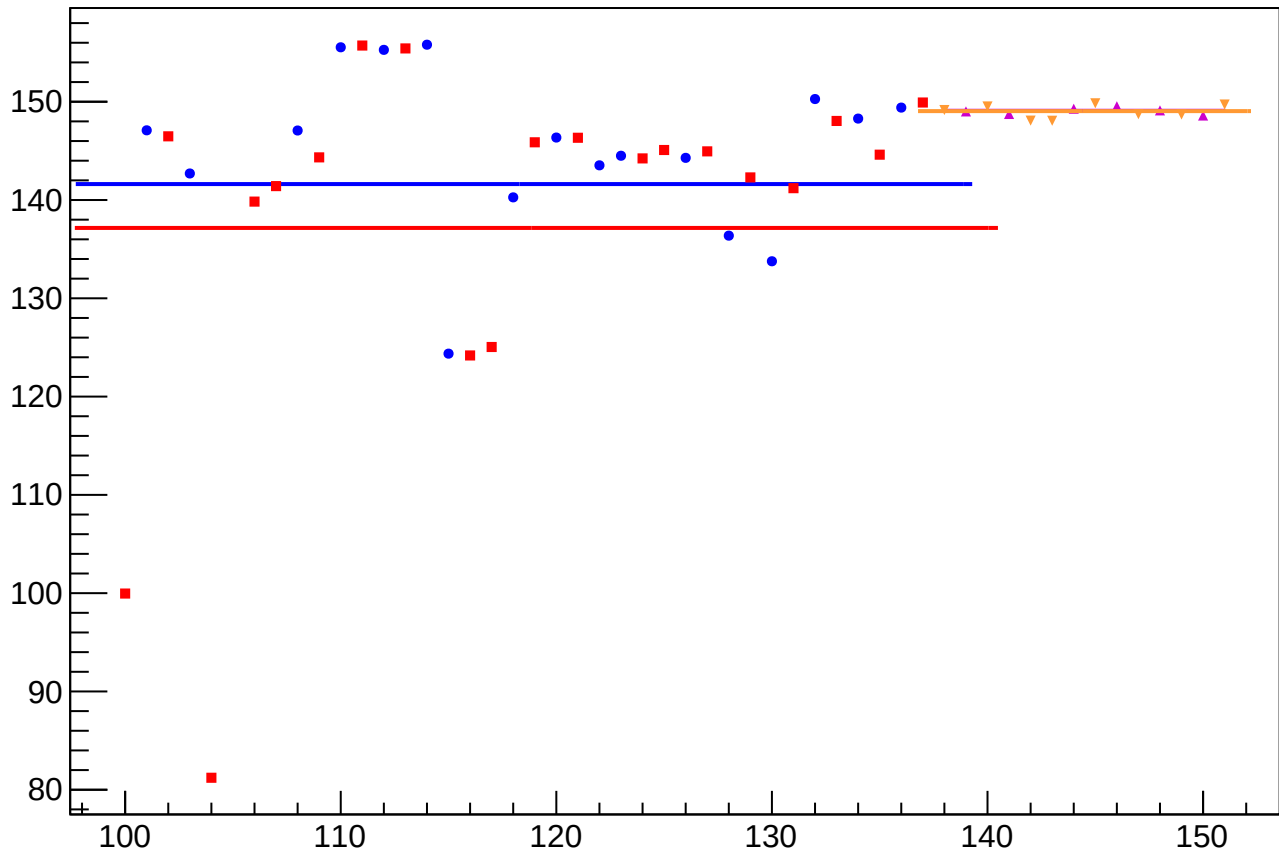
0.007+/-0.000 χ^2/NDF : 16727611.6/24

Right Out: 0.006+/-0.000 χ^2/NDF : 9277290.2/19

0.006+/-0.000 χ^2/NDF : 15533619.1/25

Left In: 0.618+/-0.000 χ^2/NDF :129211.9/5

yield_cav4cQ_mean vs Slug



Right In: 141.622 $\pm$ 0.000 χ^2 /NDF: 982037737.7/16

Left Out: 149.045 $\pm$ 0.000 χ^2 /NDF: 8208907.3/7

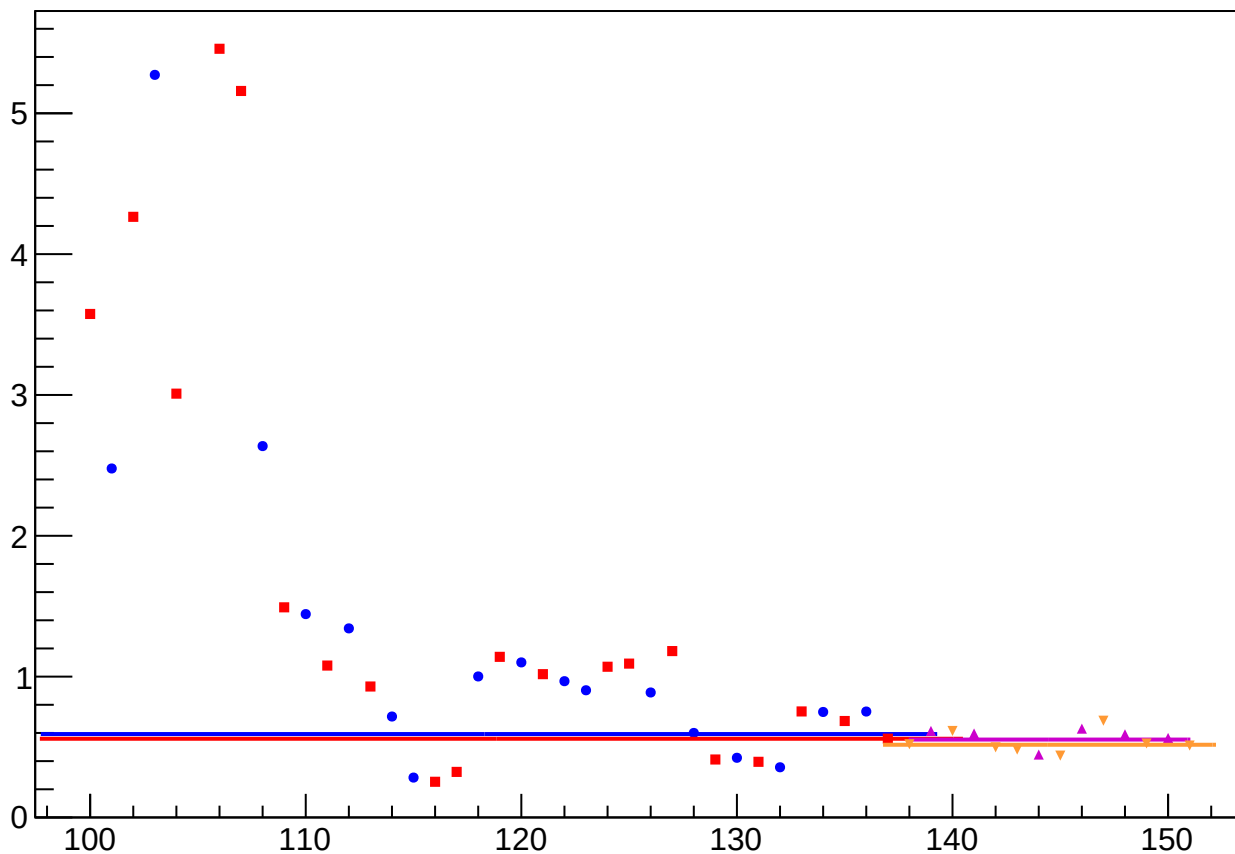
146.306 $\pm$ 0.000 χ^2 /NDF: 1342093629.6/24

Right Out: 137.160 $\pm$ 0.000 χ^2 /NDF: 1365742338.8/19

143.587 $\pm$ 0.000 χ^2 /NDF: 2206147086.6/25

Left In: 149.080 $\pm$ 0.000 χ^2 /NDF: 1344108.0/5

yield_cav4cQ_rms vs Slug



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3521577.2/16

Left Out: 0.516 $\pm$ 0.000 χ^2 /NDF:162879.3/7

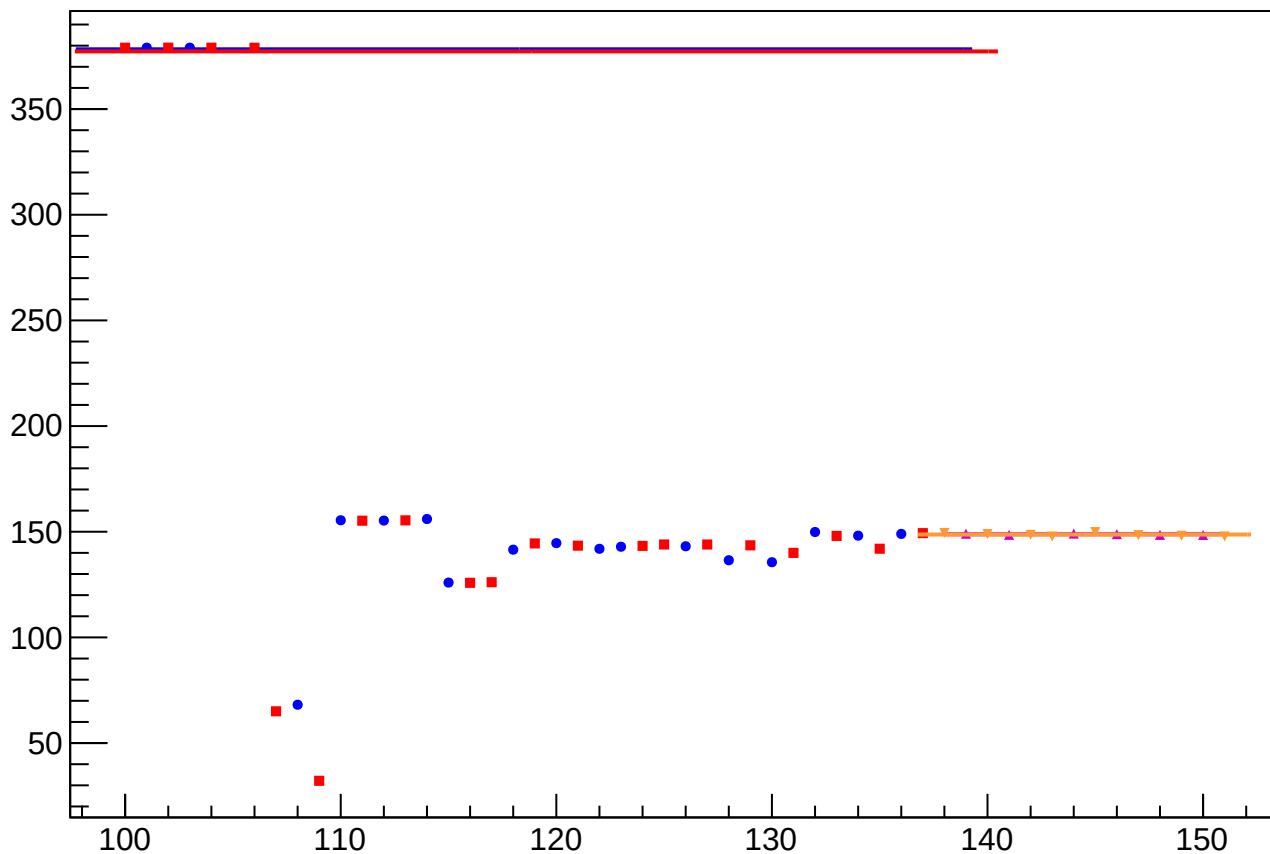
Right Out: 0.559 $\pm$ 0.000 χ^2 /NDF: 4719868.1/19

Left In: 0.553 $\pm$ 0.000 χ^2 /NDF:126771.7/5

0.544 $\pm$ 0.000 χ^2 /NDF: 3758372.1/24

0.556 $\pm$ 0.000 χ^2 /NDF: 4847034.3/25

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16

Left Out: 148.681+/-0.000 χ^2/NDF : 18957998.9/7

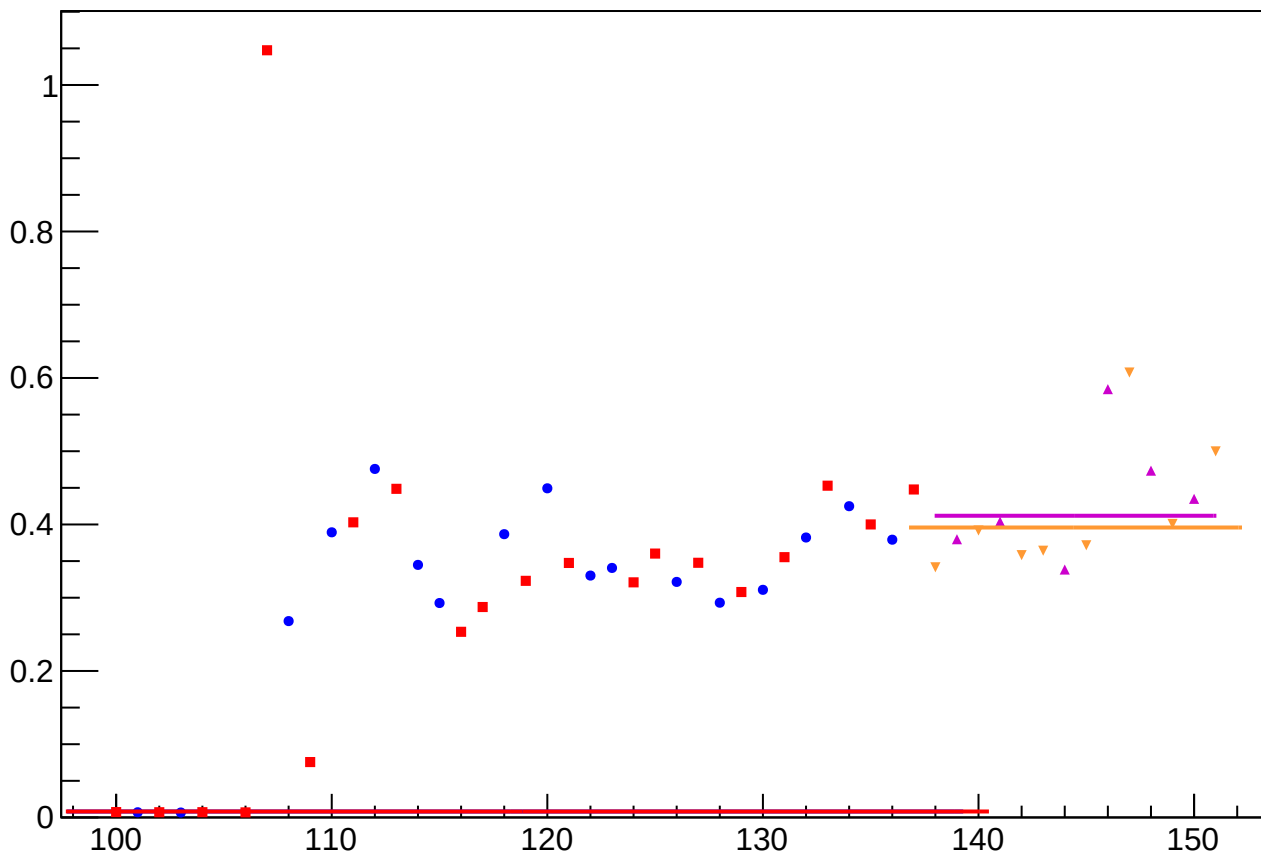
Right Out: 377.282+/-0.000 χ^2/NDF : 8306405788315.4/19

Left In: 148.810+/-0.000 χ^2/NDF : 2257769.6/5

377.689+/-0.000 χ^2/NDF : 4322195548780.5/24

376.875+/-0.000 χ^2/NDF : 9720196198459.6/25

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.396+/-0.000 χ^2/NDF :305173.7/7

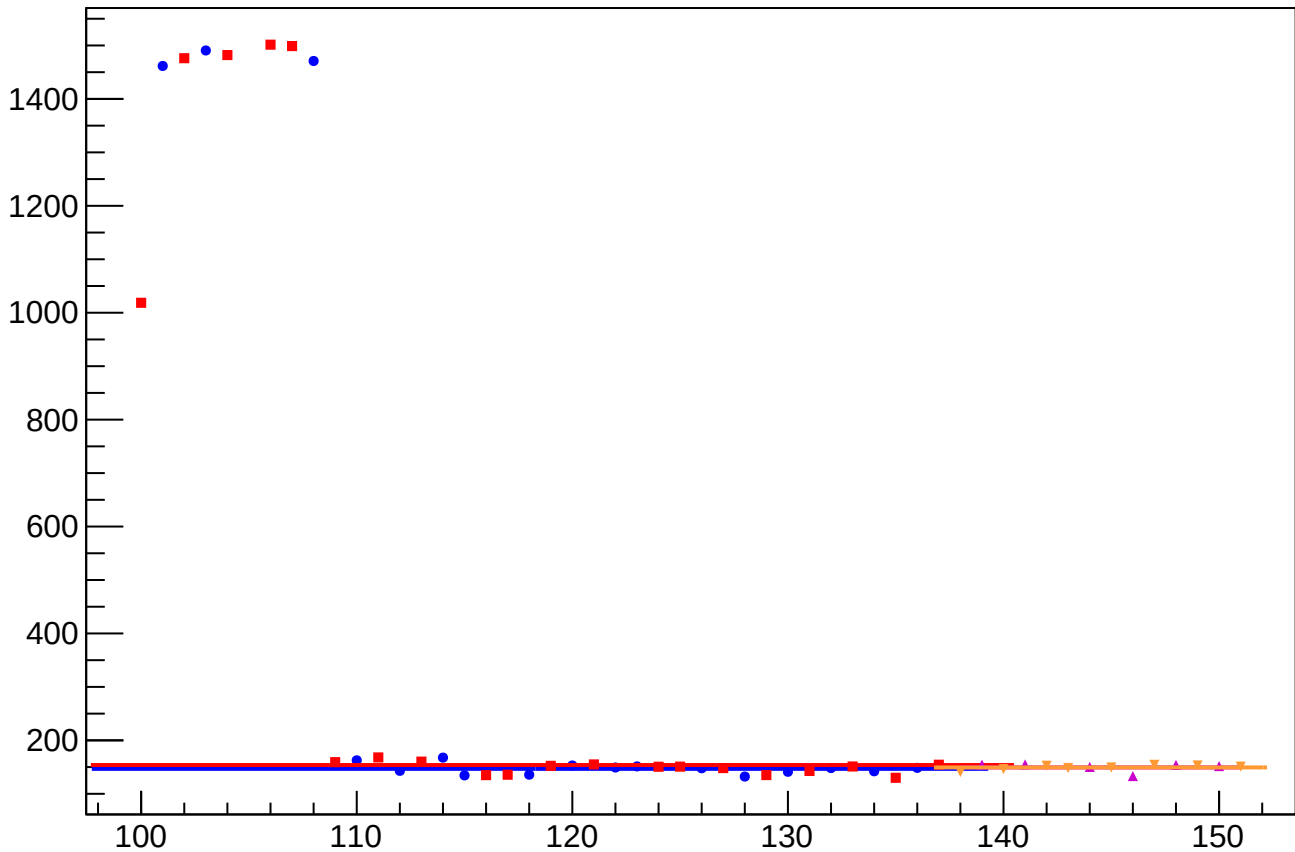
Right Out: 0.008+/-0.000 χ^2/NDF : 9601959.4/19

Left In: 0.412+/-0.000 χ^2/NDF :259655.6/5

0.009+/-0.000 χ^2/NDF : 20514142.5/24

0.009+/-0.000 χ^2/NDF : 18691739.9/25

yield_bcm0l02_mean vs Slug



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 149.339+/-0.000 χ^2/NDF : 98417667.5/7

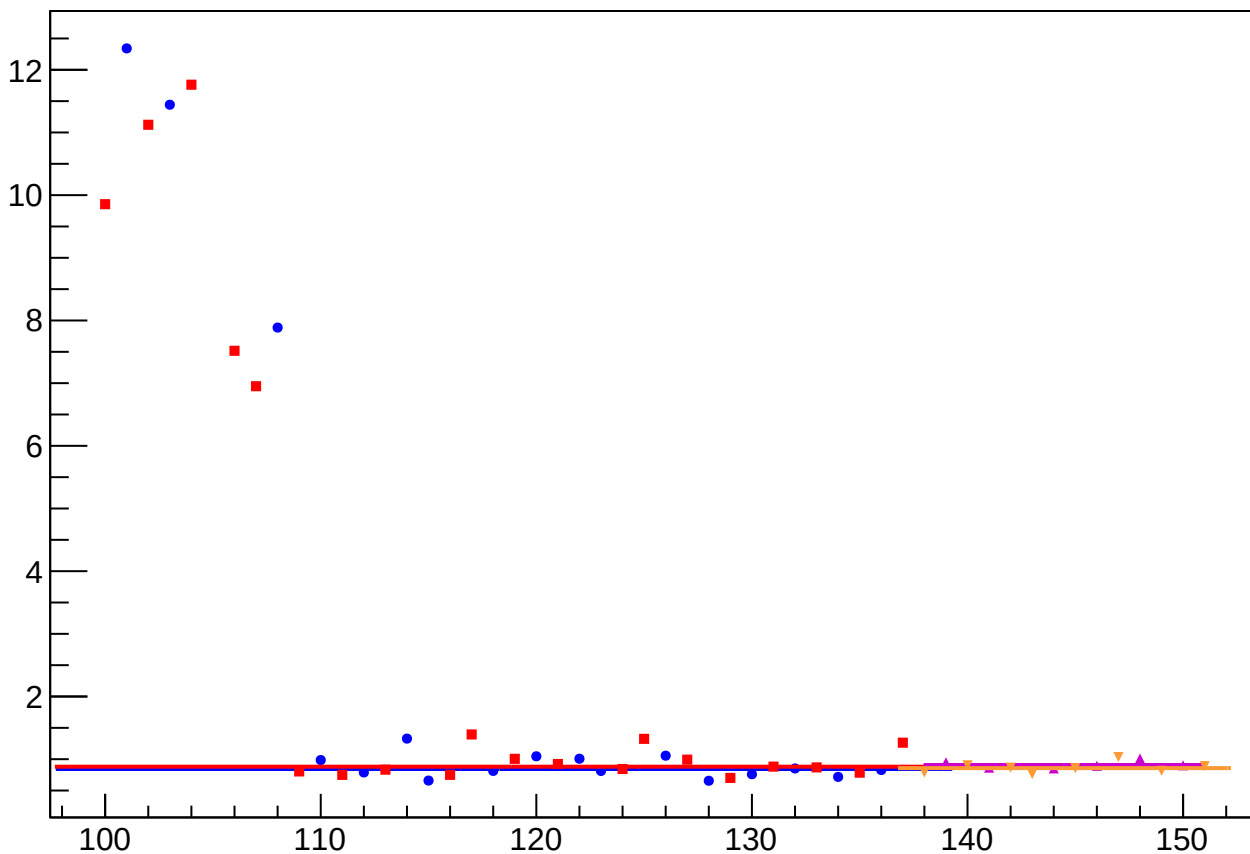
148.095+/-0.000 χ^2/NDF : 24468507668.0/24

Right Out: 153.818+/-0.000 χ^2/NDF : 33744777744.4/19

151.710+/-0.000 χ^2/NDF : 34083856554.8/25

Left In: 149.346+/-0.000 χ^2/NDF : 289026016.0/5

yield_bcm0l02_rms vs Slug



Right In: 0.844+/-0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.858+/-0.000 χ^2/NDF : 69458.1/7

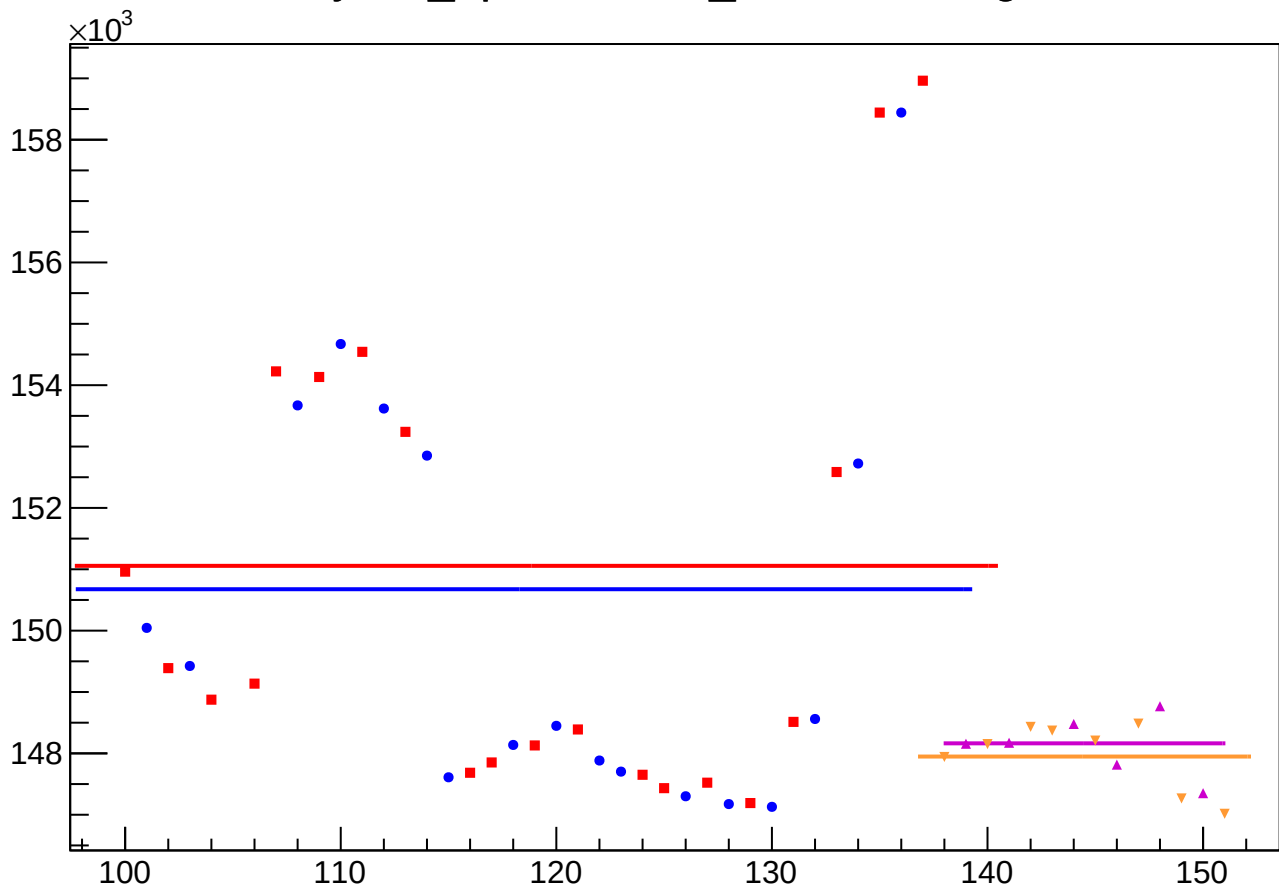
Right Out: 0.880+/-0.000 χ^2/NDF : 2823230.1/19

Left In: 0.907+/-0.000 χ^2/NDF : 26406.6/5

0.851+/-0.000 χ^2/NDF : 2741019.5/24

0.893+/-0.000 χ^2/NDF : 2853131.8/25

yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 $\pm$ 0.063 χ^2 /NDF: 3309974859.4/16

Left Out: 147948.360 $\pm$ 0.079 χ^2 /NDF: 43849563.5/7

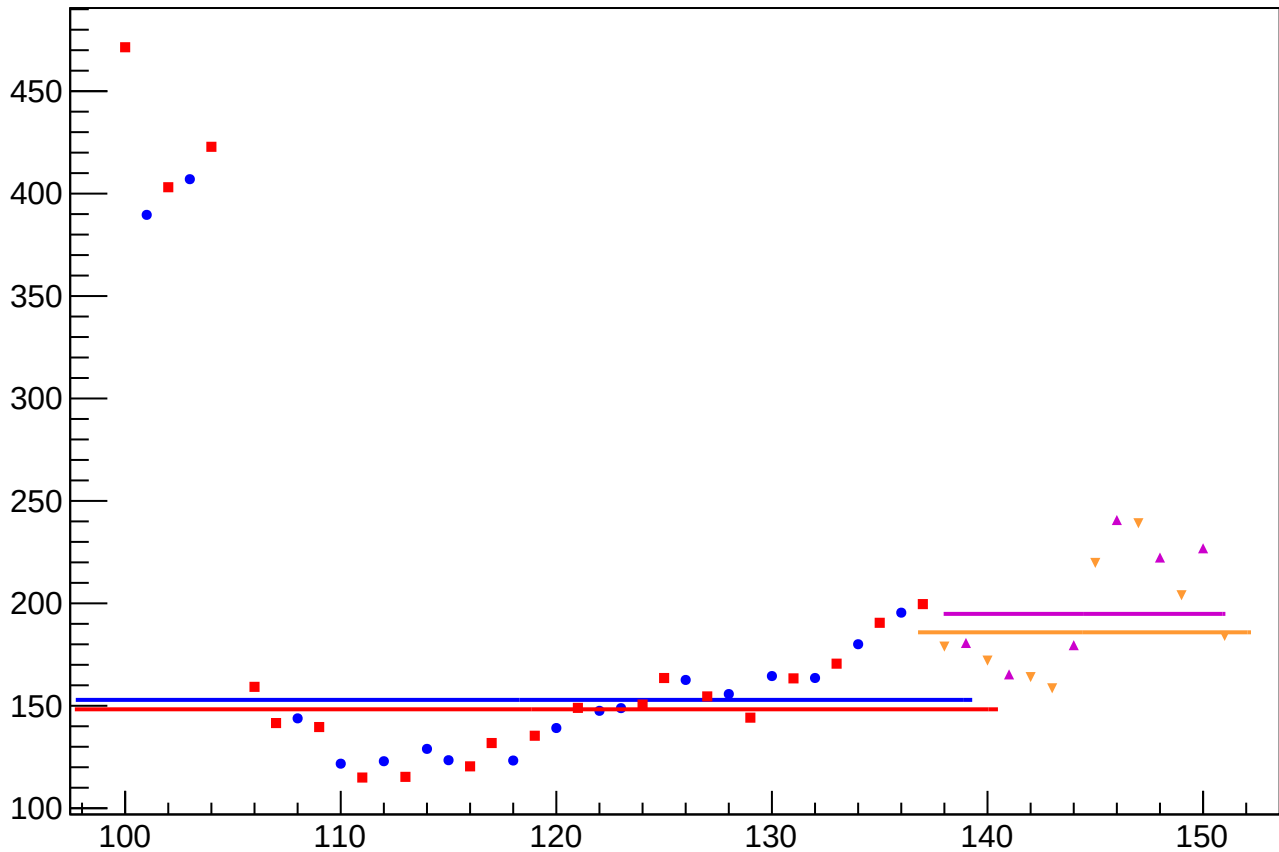
149607.873 $\pm$ 0.049 χ^2 /NDF: 4087844473.2/24

Right Out: 151056.044 $\pm$ 0.059 χ^2 /NDF: 3325519080.9/19

150174.717 $\pm$ 0.050 χ^2 /NDF: 4068202797.4/25

Left In: 148163.577 $\pm$ 0.090 χ^2 /NDF: 21159775.3/5

yield_bpm0i01WS_rms vs Slug



Right In: 152.883 ± 0.045 χ^2/NDF : 1154088.7/16

Left Out: 185.860 ± 0.056 χ^2/NDF : 192266.2/7

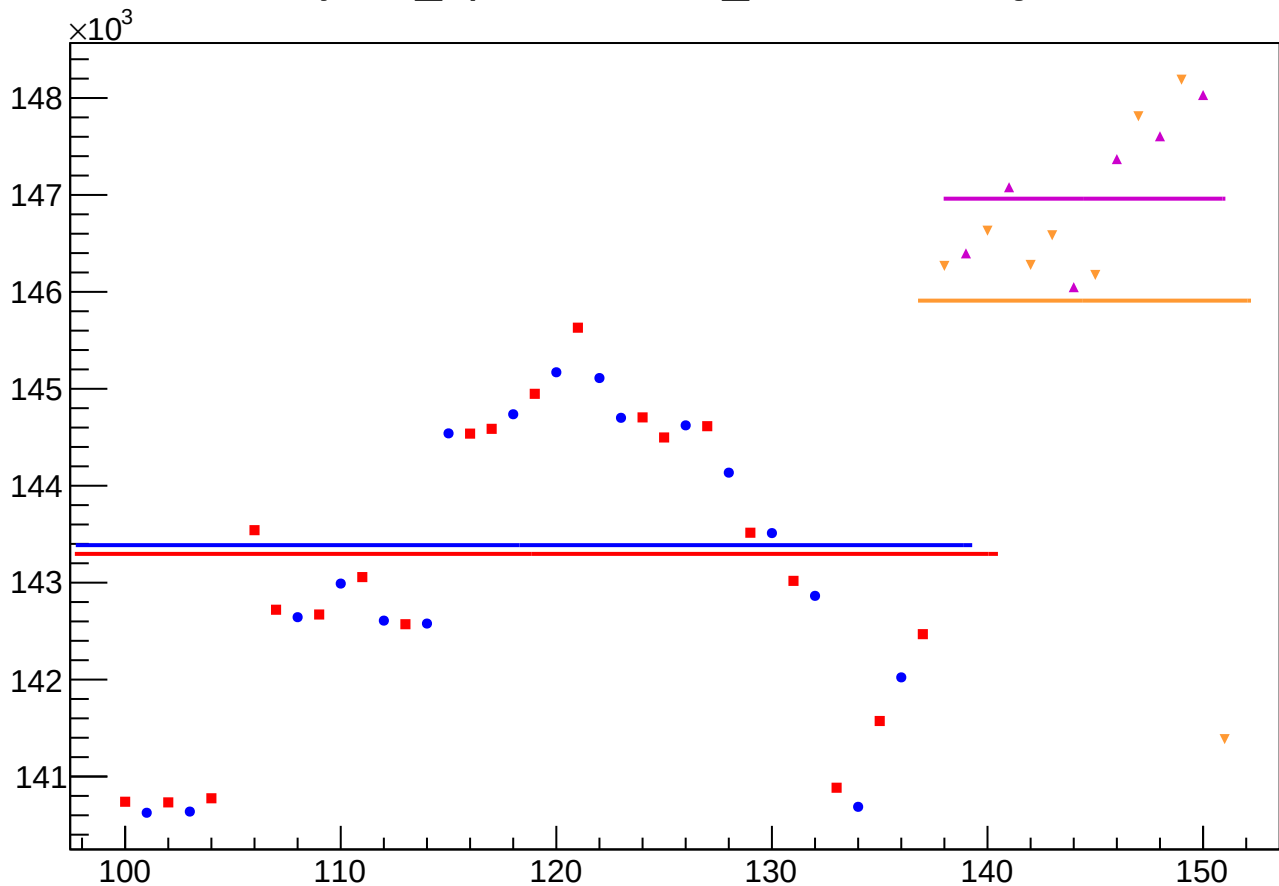
Right Out: 148.278 ± 0.042 χ^2/NDF : 1192879.8/19

Left In: 194.862 ± 0.063 χ^2/NDF : 189730.4/5

165.790 ± 0.035 χ^2/NDF : 1561090.2/24

162.472 ± 0.035 χ^2/NDF : 1756906.5/25

yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099 $\pm$ 0.053 χ^2 /NDF: 521299875.7/16

Left Out: 145909.669 $\pm$ 0.078 χ^2 /NDF: 723016899.7/7

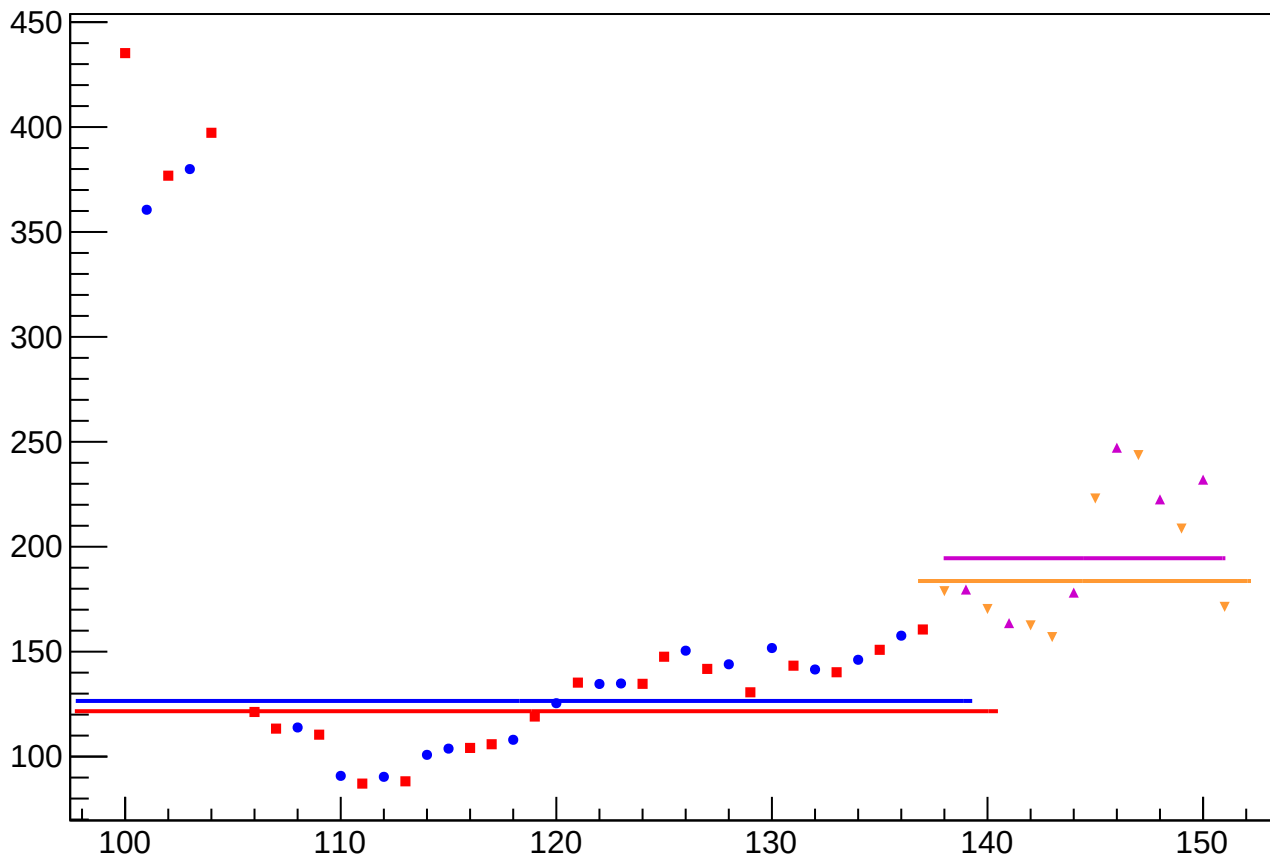
Right Out: 143296.790 $\pm$ 0.049 χ^2 /NDF: 615134284.0/19

Left In: 146961.472 $\pm$ 0.090 χ^2 /NDF: 56265629.2/5

144179.734 $\pm$ 0.044 χ^2 /NDF: 1963601945.3/24

144132.317 $\pm$ 0.043 χ^2 /NDF: 1953296428.8/25

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 $\pm$ 0.037 χ^2 /NDF: 1441685.0/16

Left Out: 183.670 $\pm$ 0.055 χ^2 /NDF:234921.9/7

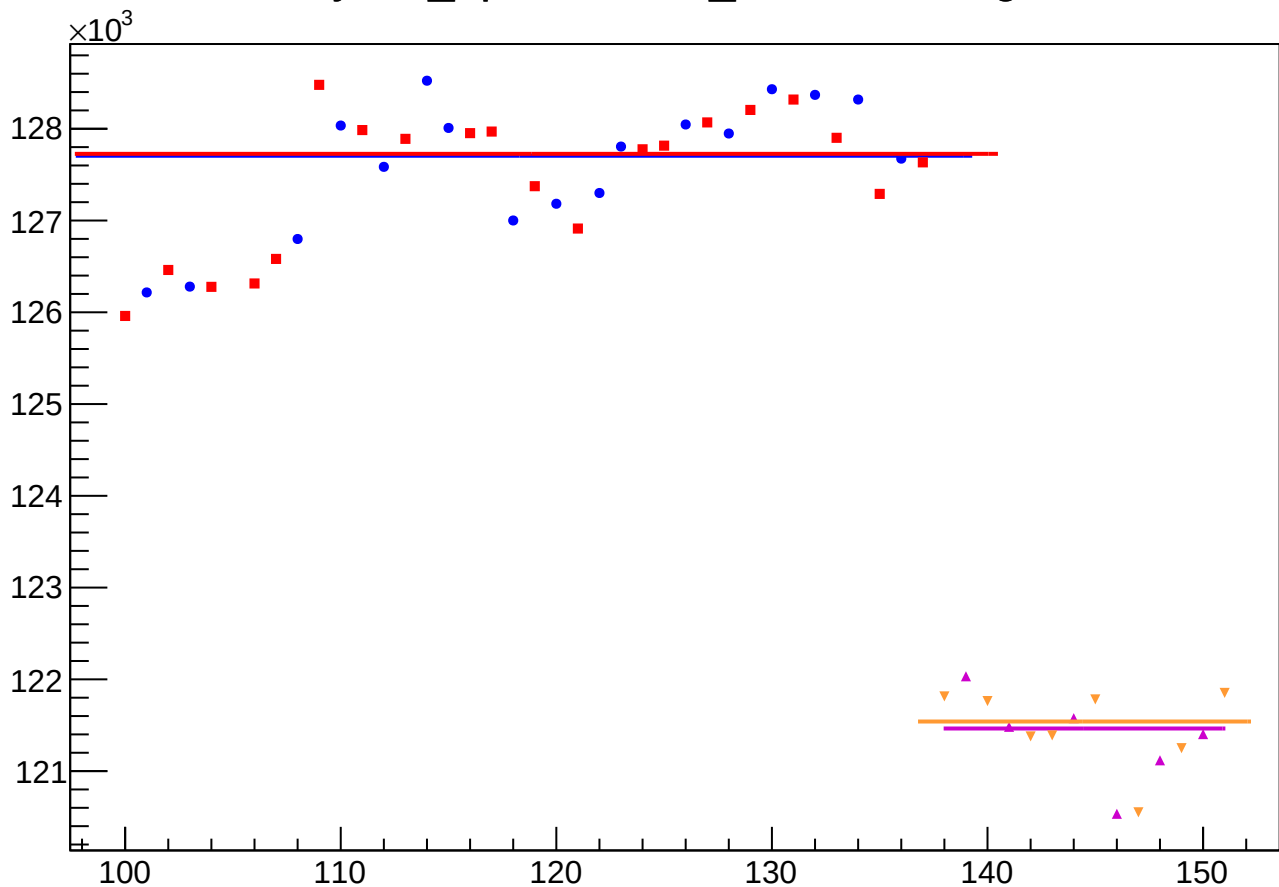
Right Out: 121.625 $\pm$ 0.035 χ^2 /NDF: 1465763.8/19

Left In: 194.523 $\pm$ 0.064 χ^2 /NDF:224318.7/5

144.473 $\pm$ 0.031 χ^2 /NDF: 2415125.7/24

138.246 $\pm$ 0.030 χ^2 /NDF: 2704538.3/25

yield_bpm0l01WS_mean vs Slug



Right In: 127706.194 $\pm$ 0.058 χ^2 /NDF: 97860521.1/16

Left Out: 121540.468 $\pm$ 0.069 χ^2 /NDF: 22601853.9/7

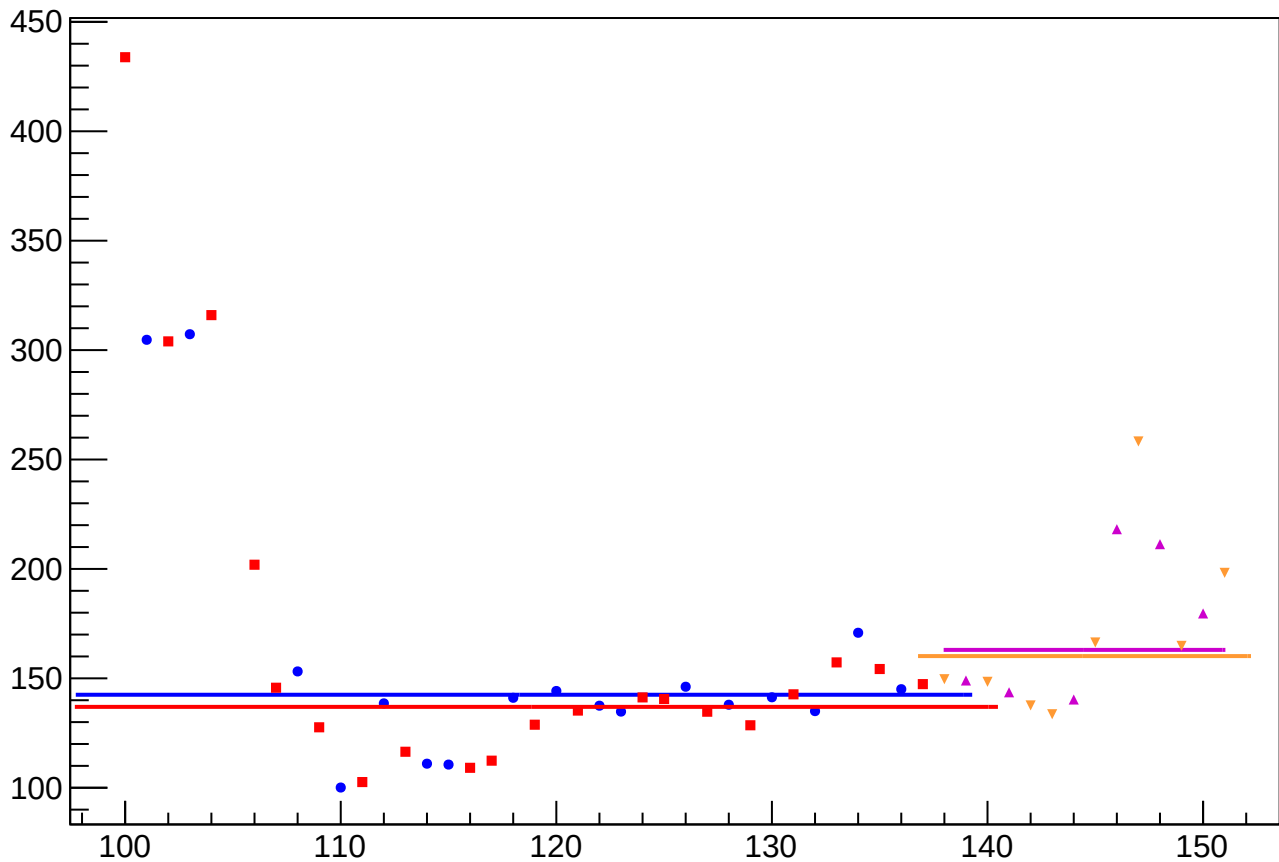
125151.448 $\pm$ 0.044 χ^2 /NDF: 4793387369.5/24

Right Out: 127726.708 $\pm$ 0.054 χ^2 /NDF: 112816704.3/19

125616.736 $\pm$ 0.044 χ^2 /NDF: 4628534299.4/25

Left In: 121464.259 $\pm$ 0.076 χ^2 /NDF: 26578549.8/5

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 ± 0.041 χ^2/NDF : 836263.7/16

Left Out: 160.169 ± 0.049 χ^2/NDF : 372063.9/7

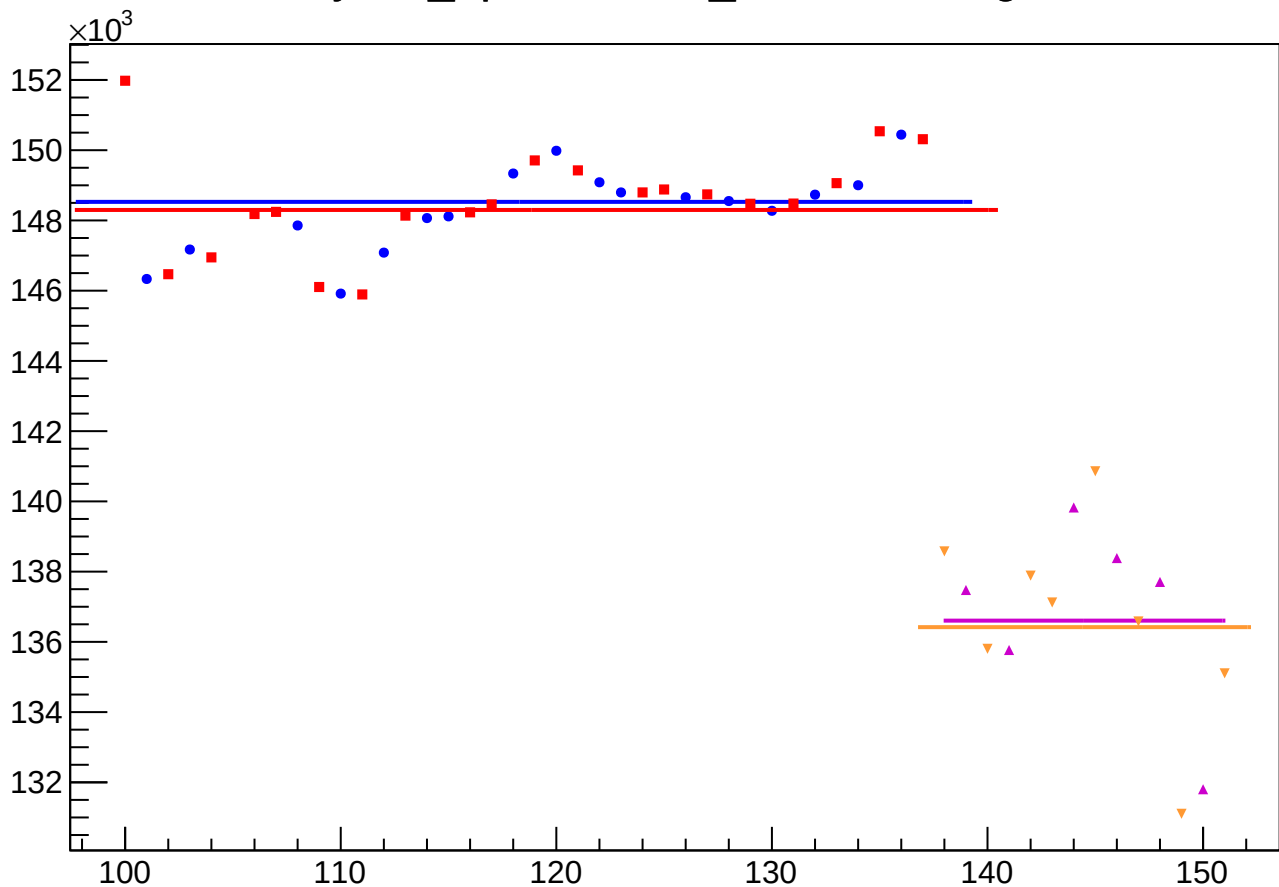
Right Out: 136.963 ± 0.038 χ^2/NDF : 961465.0/19

Left In: 163.003 ± 0.054 χ^2/NDF : 280295.1/5

149.822 ± 0.031 χ^2/NDF : 1285063.2/24

145.737 ± 0.031 χ^2/NDF : 1396992.5/25

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 ± 0.082 $\chi^2/\text{NDF}: 209986594.2/16$

Left Out: 136418.902 ± 0.104 $\chi^2/\text{NDF}: 724879438.3/7$

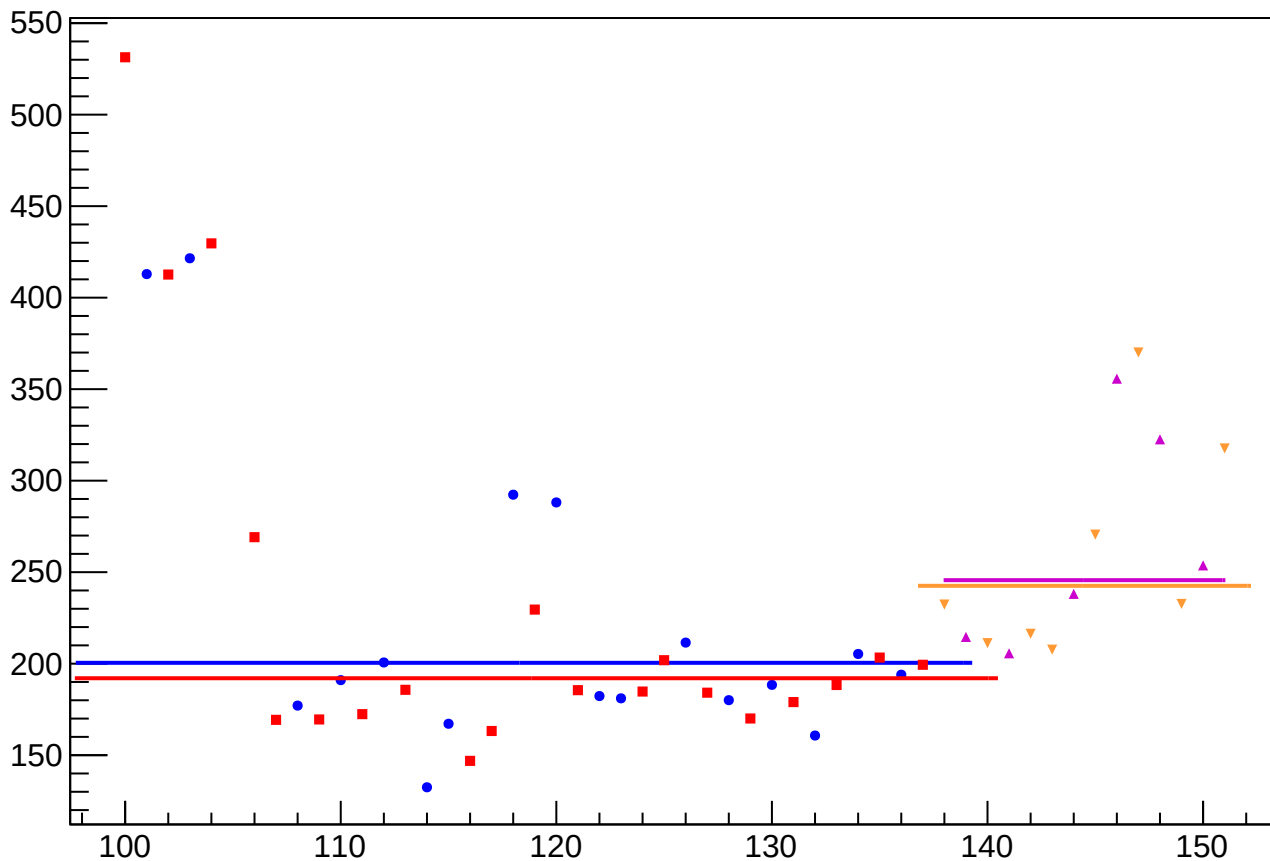
Right Out: 148298.586 ± 0.076 $\chi^2/\text{NDF}: 293284830.9/19$

Left In: 136604.790 ± 0.115 $\chi^2/\text{NDF}: 512365650.7/5$

143877.528 ± 0.064 $\chi^2/\text{NDF}: 9297481643.7/24$

144722.708 ± 0.063 $\chi^2/\text{NDF}: 8033086848.5/25$

yield_bpm0l02WS_rms vs Slug



Right In: 200.472+/-0.058 χ^2/NDF : 936547.2/16

Left Out: 242.545+/-0.073 χ^2/NDF : 374004.1/7

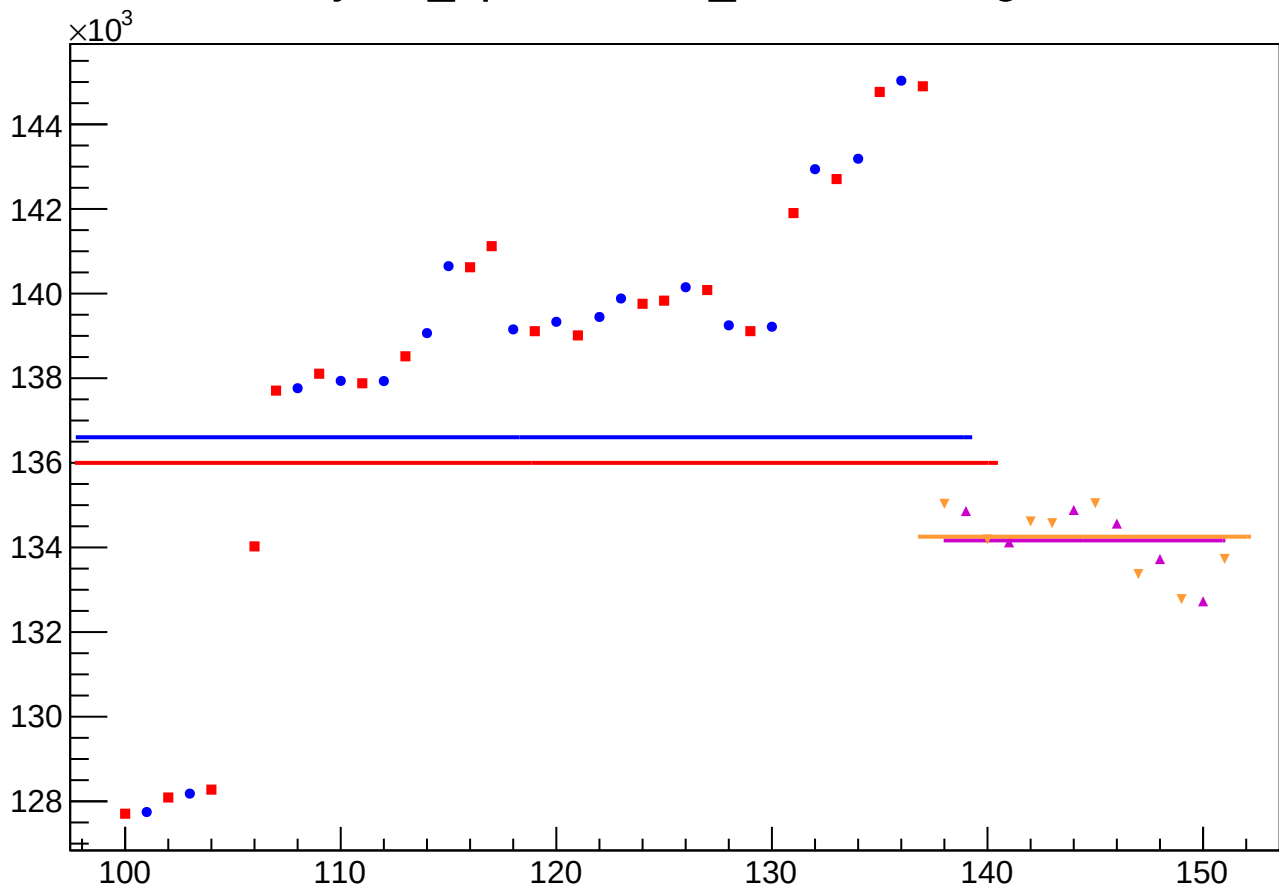
216.632+/-0.046 χ^2/NDF : 1512426.9/24

Right Out: 192.040+/-0.054 χ^2/NDF : 847133.0/19

208.428+/-0.045 χ^2/NDF : 1482432.6/25

Left In: 245.632+/-0.081 χ^2/NDF : 331706.7/5

yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16

Left Out: 134254.325 $\pm$ 0.224 χ^2 /NDF: 10297092.1/7

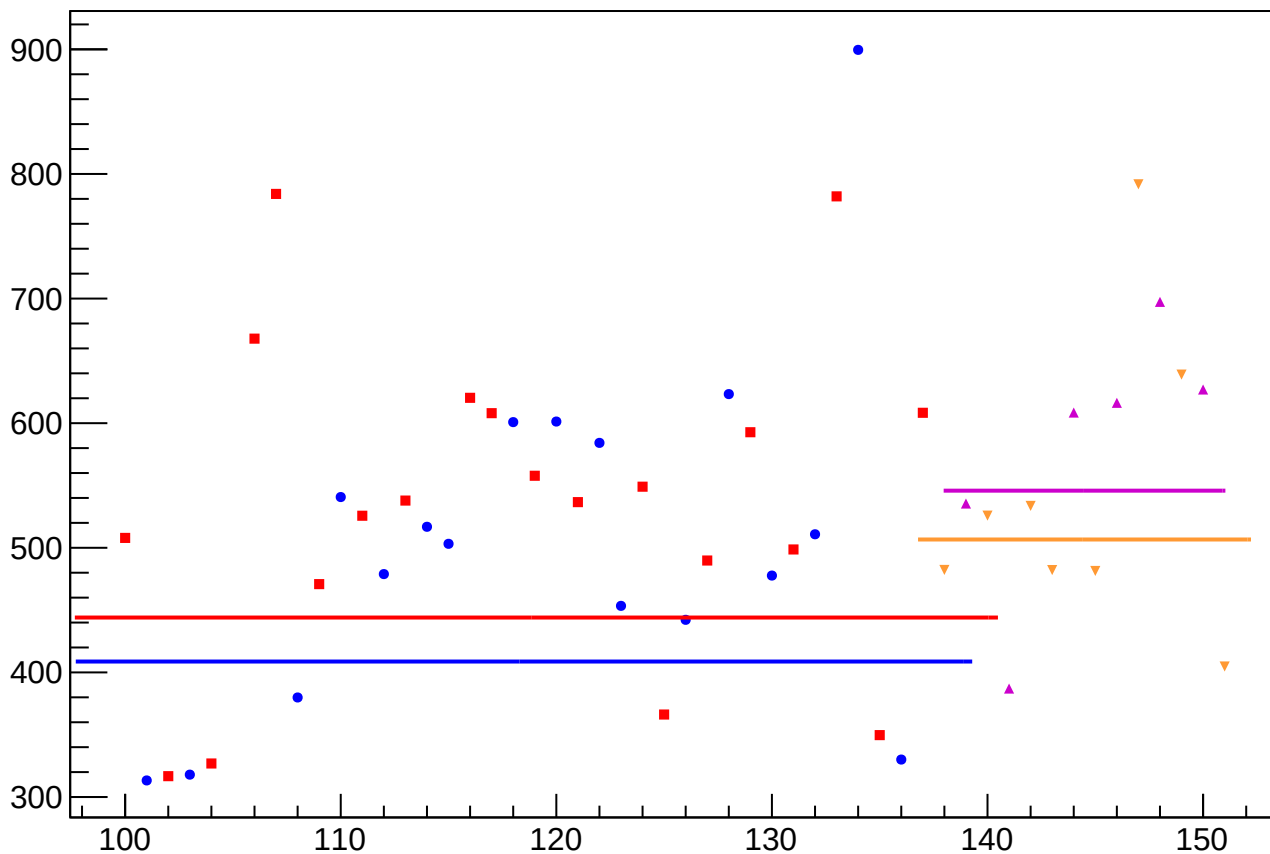
Right Out: 135998.851 $\pm$ 0.182 χ^2 /NDF: 1084895879.4/19

Left In: 134166.041 $\pm$ 0.273 χ^2 /NDF: 6558254.7/5

135734.454 $\pm$ 0.136 χ^2 /NDF: 1574236552.1/24

135434.380 $\pm$ 0.152 χ^2 /NDF: 1122550924.5/25

yield_bpm0l03WS_rms vs Slug



Right In: 408.729 ± 0.121 χ^2/NDF : 823262.8/16

Left Out: 506.658 ± 0.158 χ^2/NDF : 348157.3/7

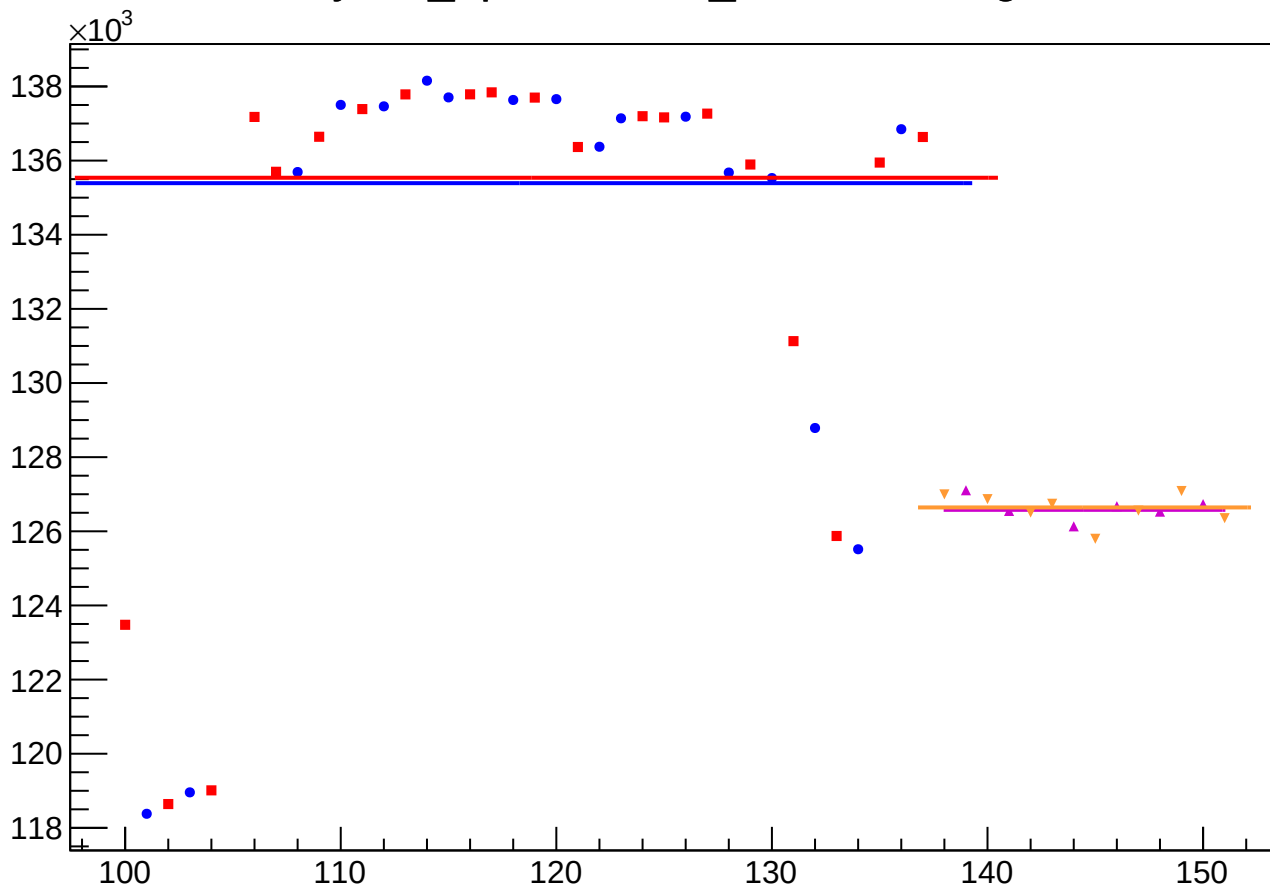
Right Out: 444.034 ± 0.129 χ^2/NDF : 922545.8/19

Left In: 545.847 ± 0.193 χ^2/NDF : 333780.3/5

444.987 ± 0.096 χ^2/NDF : 1413030.6/24

475.390 ± 0.107 χ^2/NDF : 1448244.1/25

yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16

Left Out: 126643.676 $\pm$ 0.074 χ^2 /NDF: 27882759.8/7

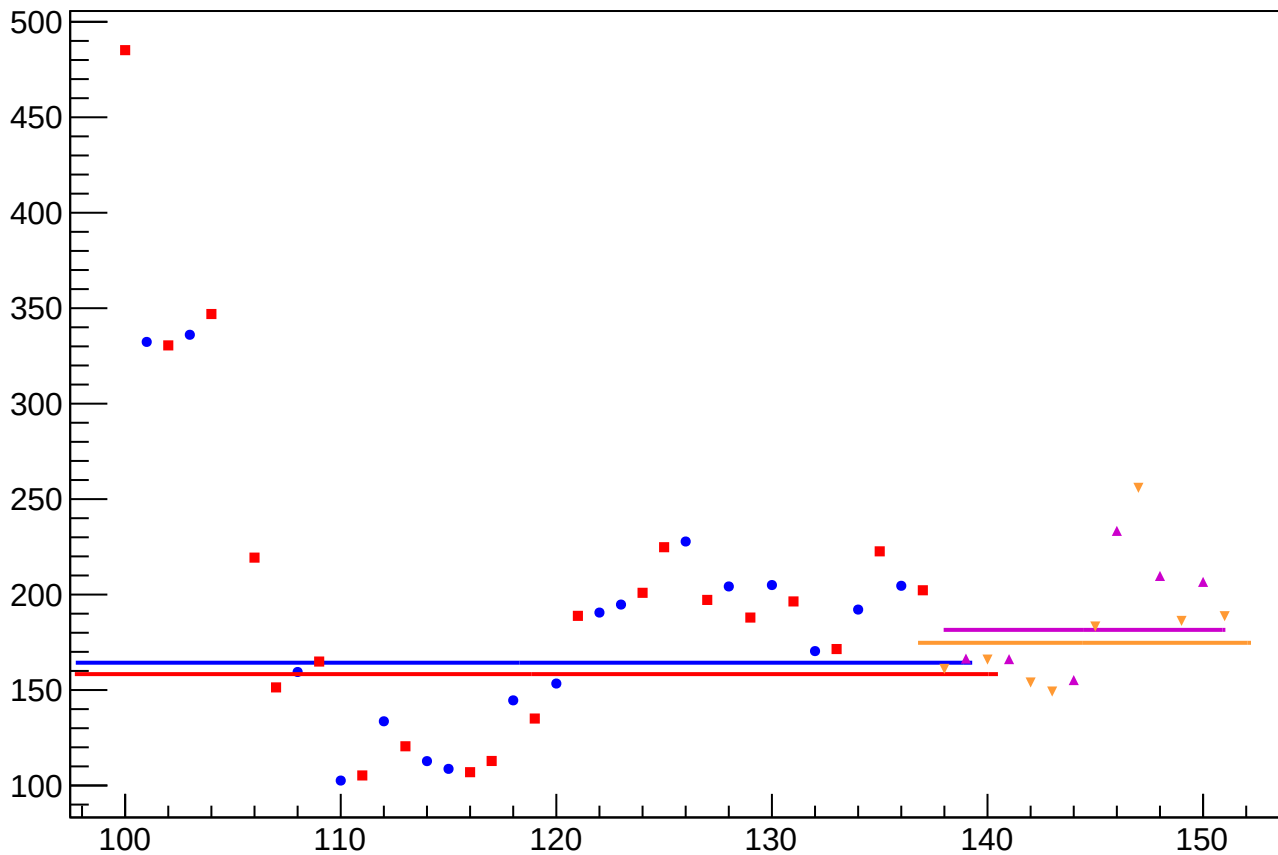
Right Out: 135537.290 $\pm$ 0.064 χ^2 /NDF: 4748951957.4/19

Left In: 126579.069 $\pm$ 0.084 χ^2 /NDF: 14427595.0/5

131385.416 $\pm$ 0.050 χ^2 /NDF: 12128160799.1/2

132248.804 $\pm$ 0.051 χ^2 /NDF: 11968515900.4/2

yield_bpm0l04WS_rms vs Slug



Right In: 164.311 ± 0.048 χ^2/NDF : 1230487.8/16

Left Out: 174.737 ± 0.053 χ^2/NDF : 241952.3/7

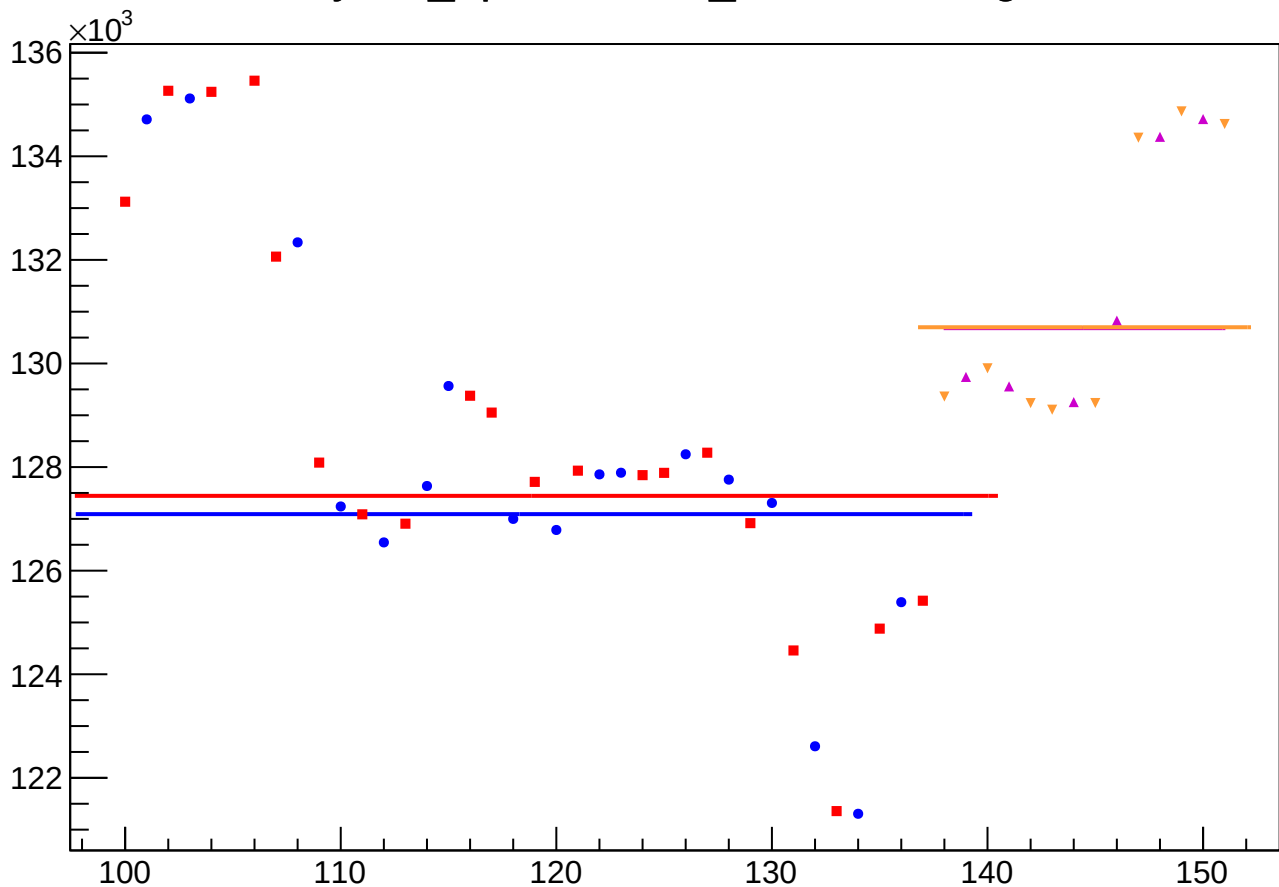
Right Out: 158.336 ± 0.045 χ^2/NDF : 1398323.7/19

Left In: 181.515 ± 0.059 χ^2/NDF : 204815.3/5

169.086 ± 0.036 χ^2/NDF : 1493805.1/24

166.845 ± 0.036 χ^2/NDF : 1699610.5/25

yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 $\pm$ 0.066 χ^2 /NDF: 1717208780.6/16

Left Out: 130699.589 $\pm$ 0.077 χ^2 /NDF: 907881244.0/7

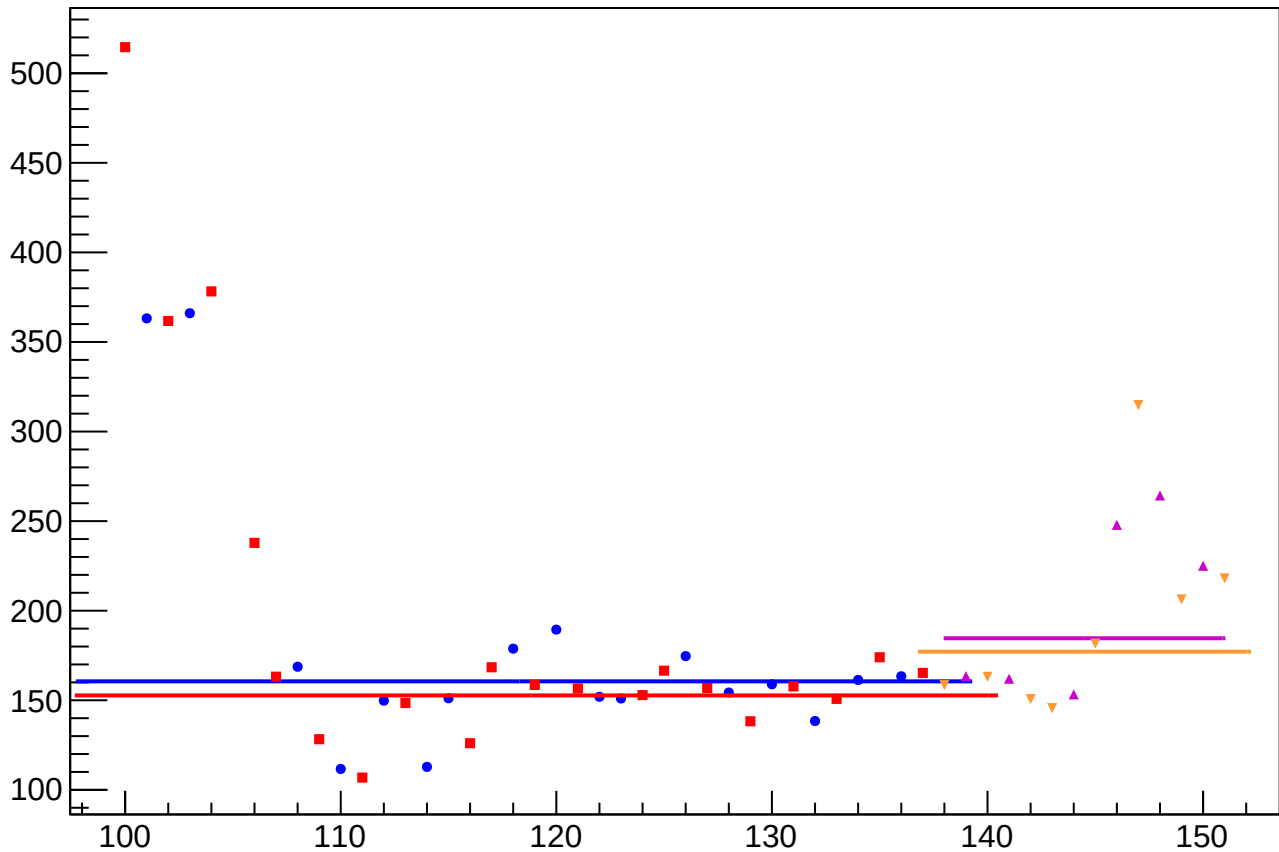
Right Out: 127444.472 $\pm$ 0.061 χ^2 /NDF: 2082646787.7/19

Left In: 130682.199 $\pm$ 0.087 χ^2 /NDF: 561656593.4/5

128637.965 $\pm$ 0.050 χ^2 /NDF: 3894331517.7/24

128528.666 $\pm$ 0.050 χ^2 /NDF: 3575884517.2/25

yield_bpm0l05WS_rms vs Slug



Right In: 160.564+/-0.047 χ^2/NDF : 942747.0/16

Left Out: 177.131+/-0.054 χ^2/NDF : 499033.5/7

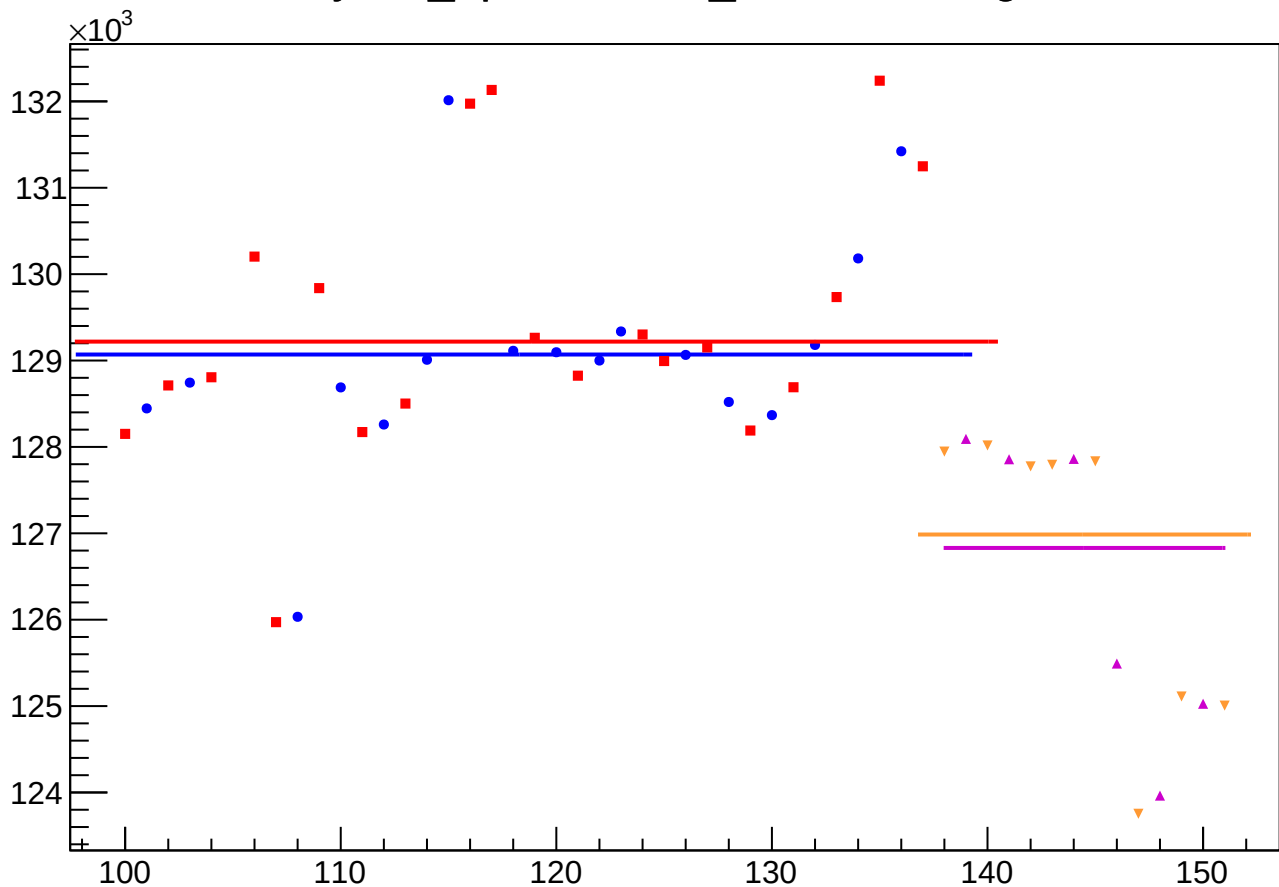
167.665+/-0.035 χ^2/NDF : 1495296.2/24

Right Out: 152.711+/-0.043 χ^2/NDF : 1087186.3/19

163.393+/-0.035 χ^2/NDF : 1692284.0/25

Left In: 184.612+/-0.061 χ^2/NDF : 424211.7/5

yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 ± 0.060 χ^2/NDF : 476692316.5/16

Left Out: 126986.090 ± 0.072 χ^2/NDF : 396641633.5/7

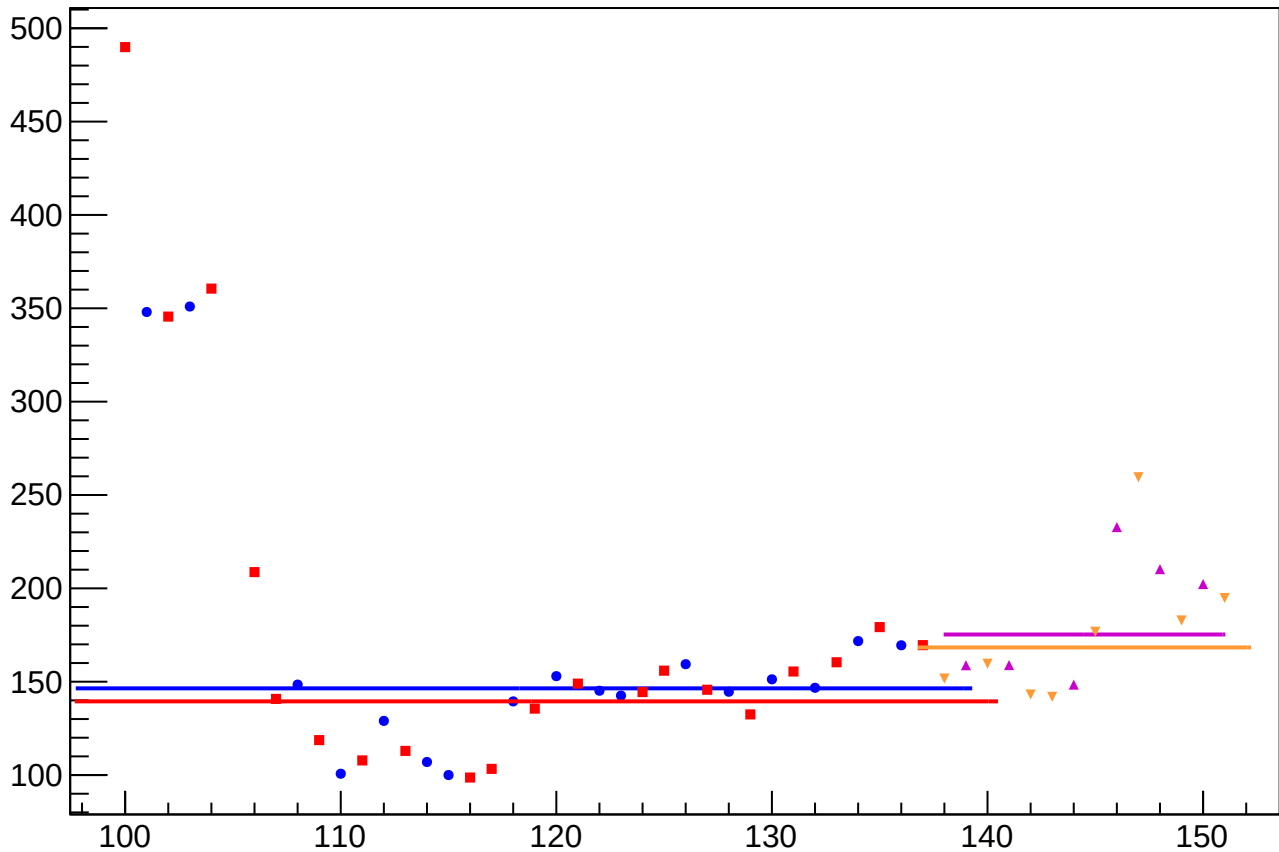
Right Out: 129219.072 ± 0.056 χ^2/NDF : 660468184.1/19

Left In: 126830.608 ± 0.081 χ^2/NDF : 356548045.9/5

128211.037 ± 0.046 χ^2/NDF : 1367480090.4/24

128455.589 ± 0.046 χ^2/NDF : 1604009275.0/25

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 $\pm$ 0.043 χ^2 /NDF: 1064791.0/16

Left Out: 168.343 $\pm$ 0.051 χ^2 /NDF: 326634.8/7

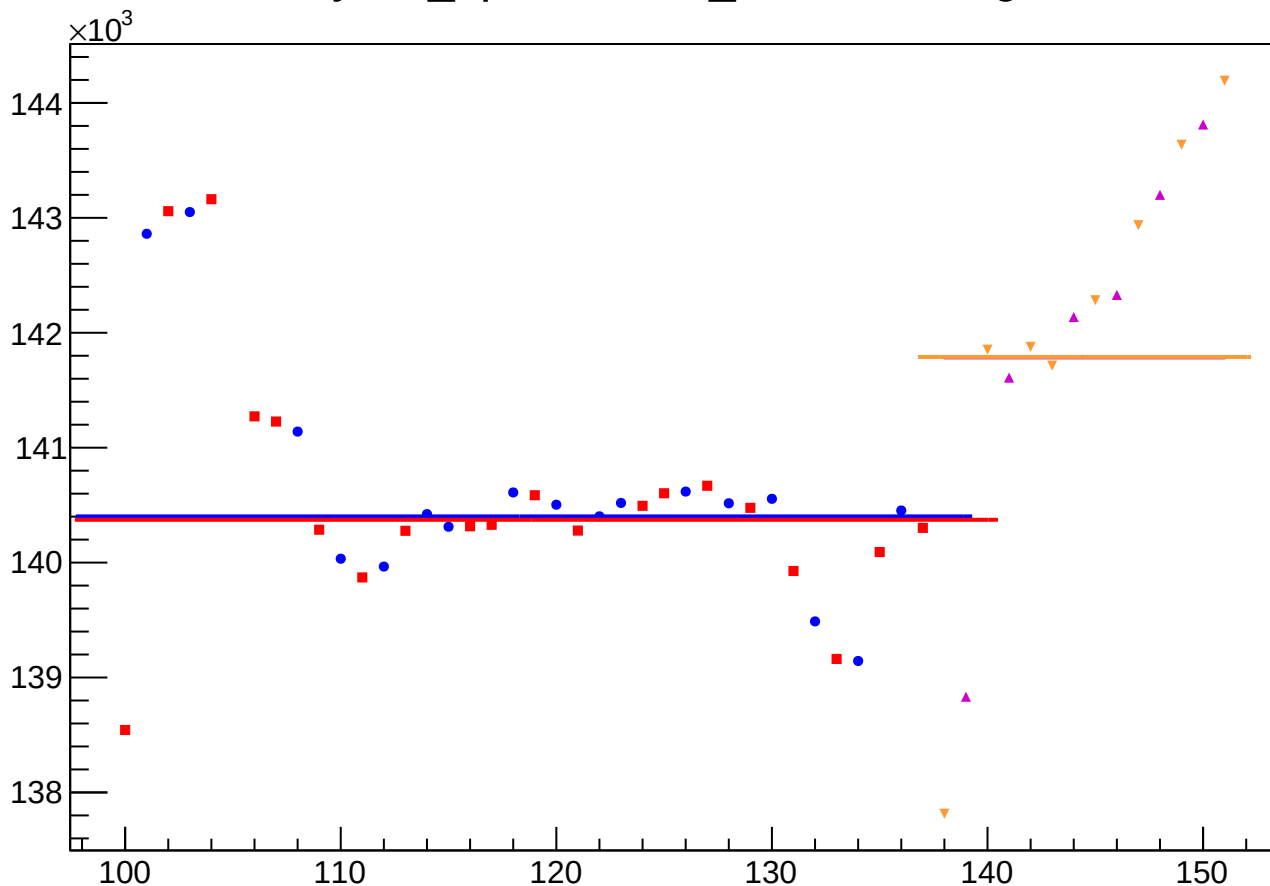
155.465 $\pm$ 0.033 χ^2 /NDF: 1500668.9/24

Right Out: 139.468 $\pm$ 0.039 χ^2 /NDF: 1214310.8/19

150.915 $\pm$ 0.033 χ^2 /NDF: 1735432.9/25

Left In: 175.280 $\pm$ 0.057 χ^2 /NDF: 257184.9/5

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 $\pm$ 0.064 χ^2/NDF : 88071774.7/16

Left Out: 141789.533 $\pm$ 0.084 χ^2/NDF : 528291318.7/7

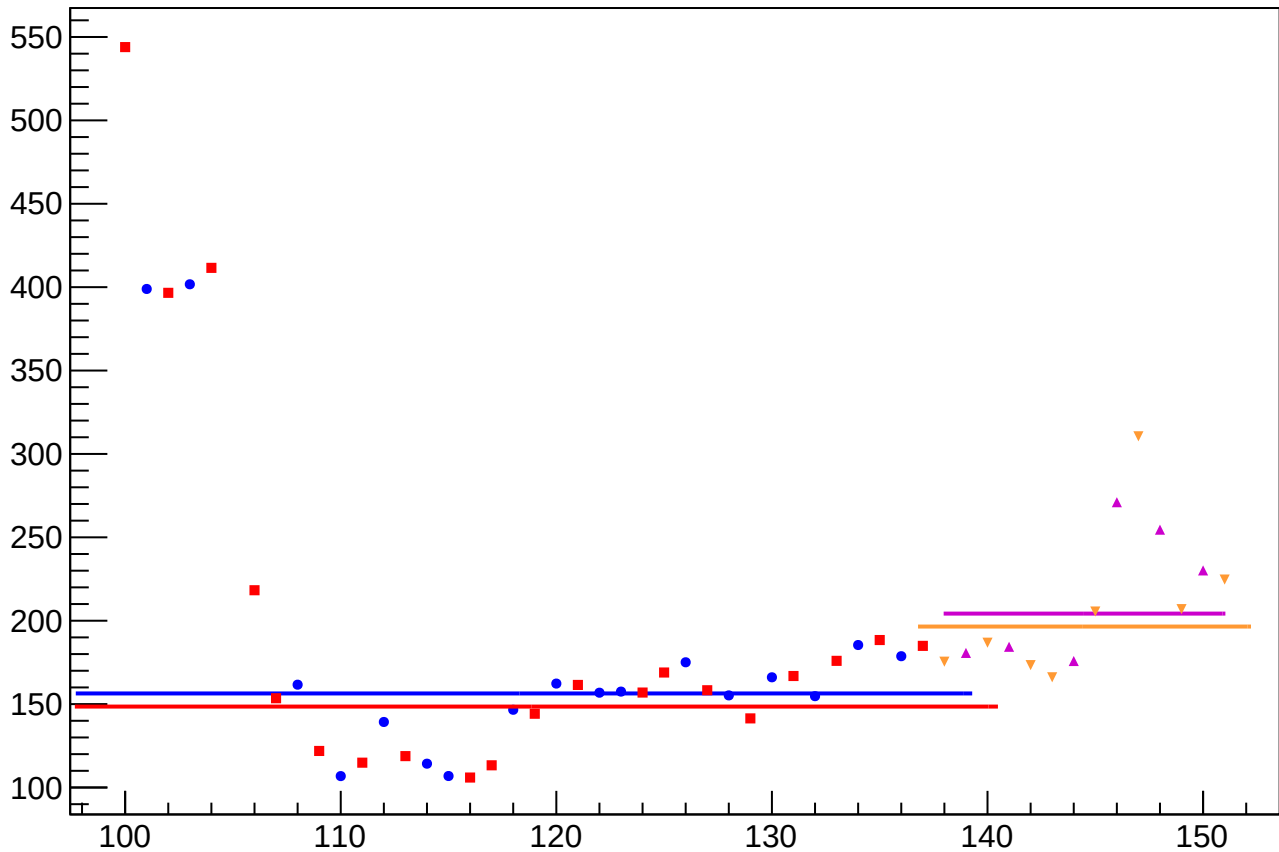
Right Out: 140372.636 $\pm$ 0.059 χ^2/NDF : 99861038.9/19

Left In: 141785.879 $\pm$ 0.095 χ^2/NDF : 277223302.7/5

140913.231 $\pm$ 0.051 χ^2/NDF : 787672639.5/24

140770.655 $\pm$ 0.050 χ^2/NDF : 536009817.6/25

yield_bpm0l07WS_rms vs Slug



Right In: 156.394+/-0.046 χ^2/NDF : 1154804.2/16

Left Out: 196.504+/-0.060 χ^2/NDF : 323361.9/7

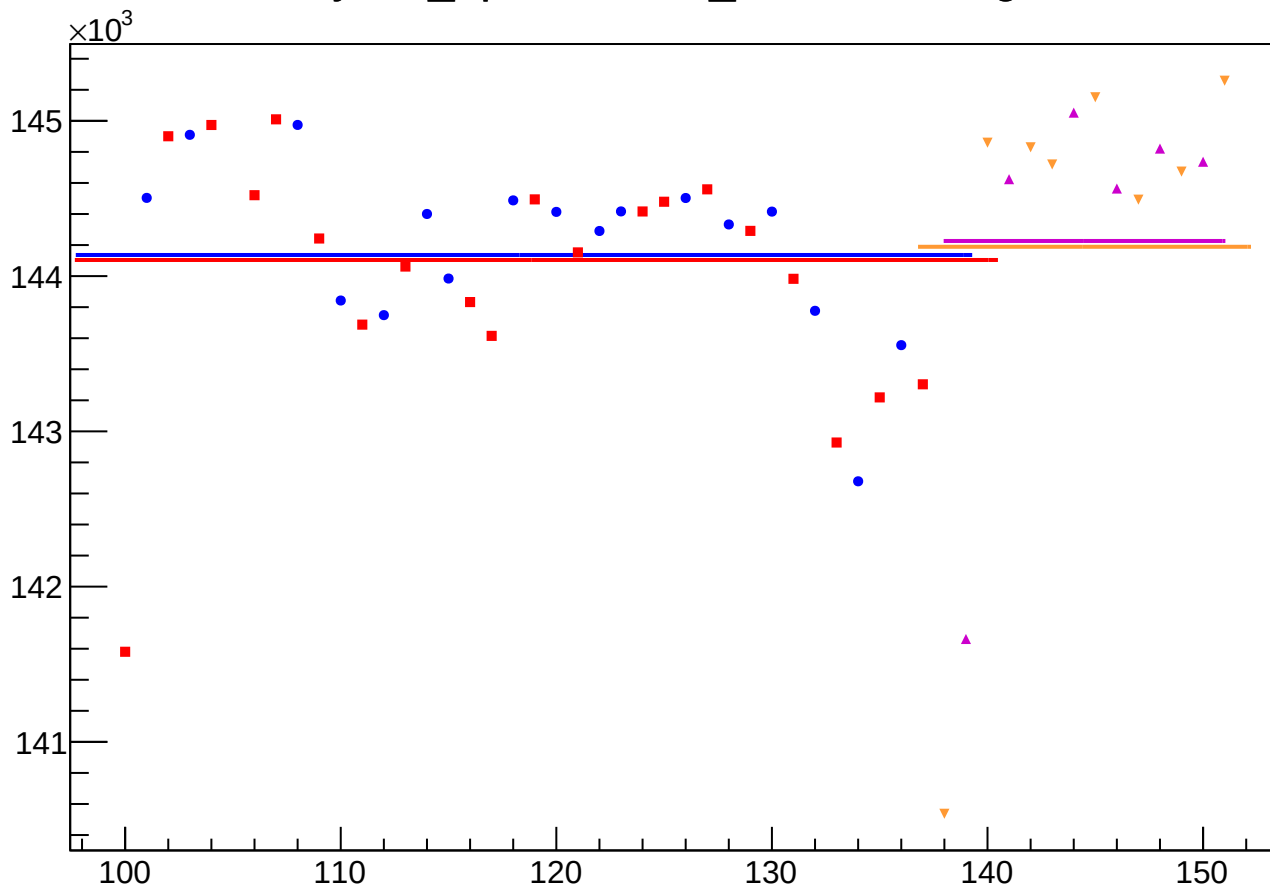
171.172+/-0.036 χ^2/NDF : 1764479.5/24

Right Out: 148.524+/-0.042 χ^2/NDF : 1316113.9/19

164.224+/-0.036 χ^2/NDF : 2074419.6/25

Left In: 204.269+/-0.067 χ^2/NDF : 263761.9/5

yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 $\pm$ 0.067 χ^2 /NDF: 47069480.3/16

Left Out: 144188.935 $\pm$ 0.083 χ^2 /NDF: 364628712.3/7

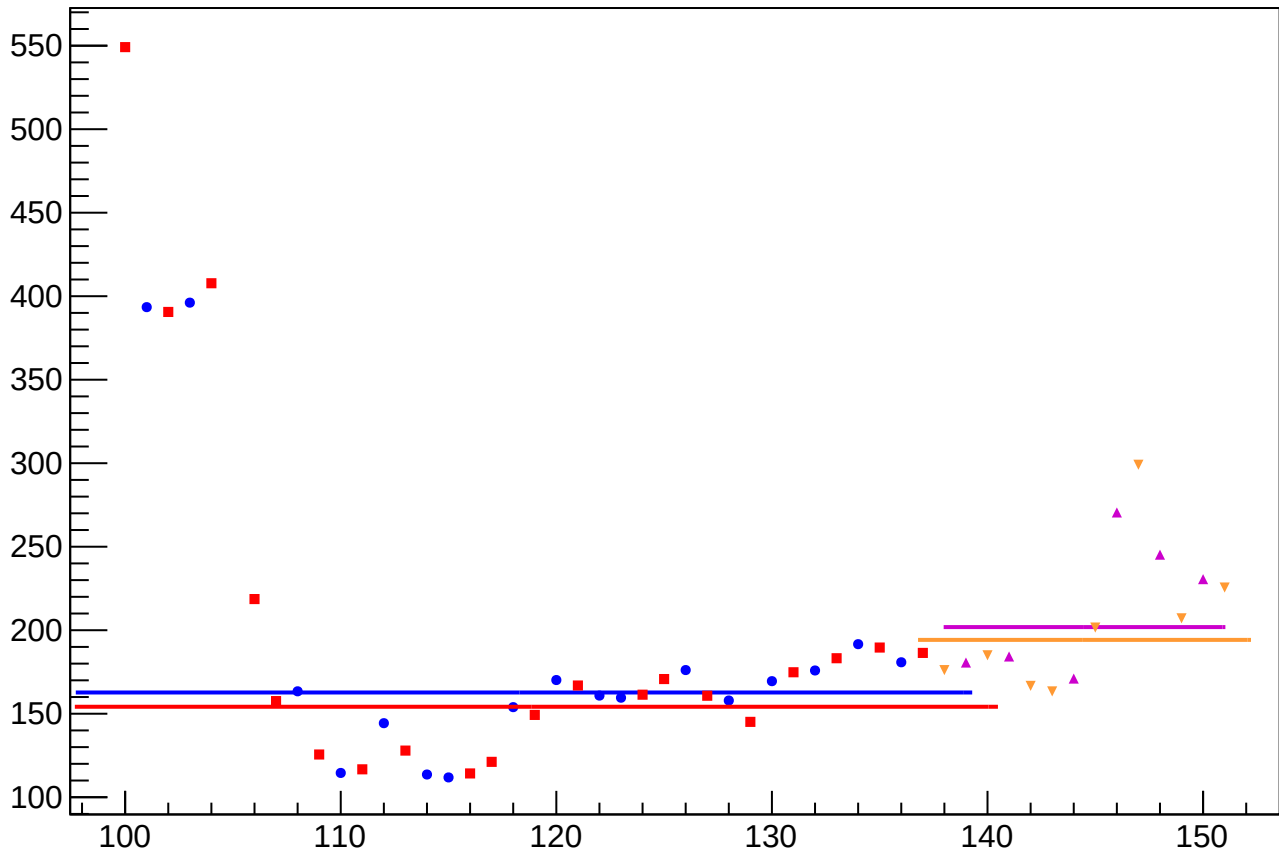
Right Out: 144103.887 $\pm$ 0.062 χ^2 /NDF: 65973087.5/19

Left In: 144226.327 $\pm$ 0.094 χ^2 /NDF: 169309201.8/5

144156.822 $\pm$ 0.052 χ^2 /NDF: 411943485.0/24

144140.661 $\pm$ 0.051 χ^2 /NDF: 236471932.6/25

yield_bpm0l08WS_rms vs Slug



Right In: 162.714 $\pm$ 0.047 χ^2 /NDF: 1066482.0/16

Left Out: 194.214 $\pm$ 0.059 χ^2 /NDF: 316754.4/7

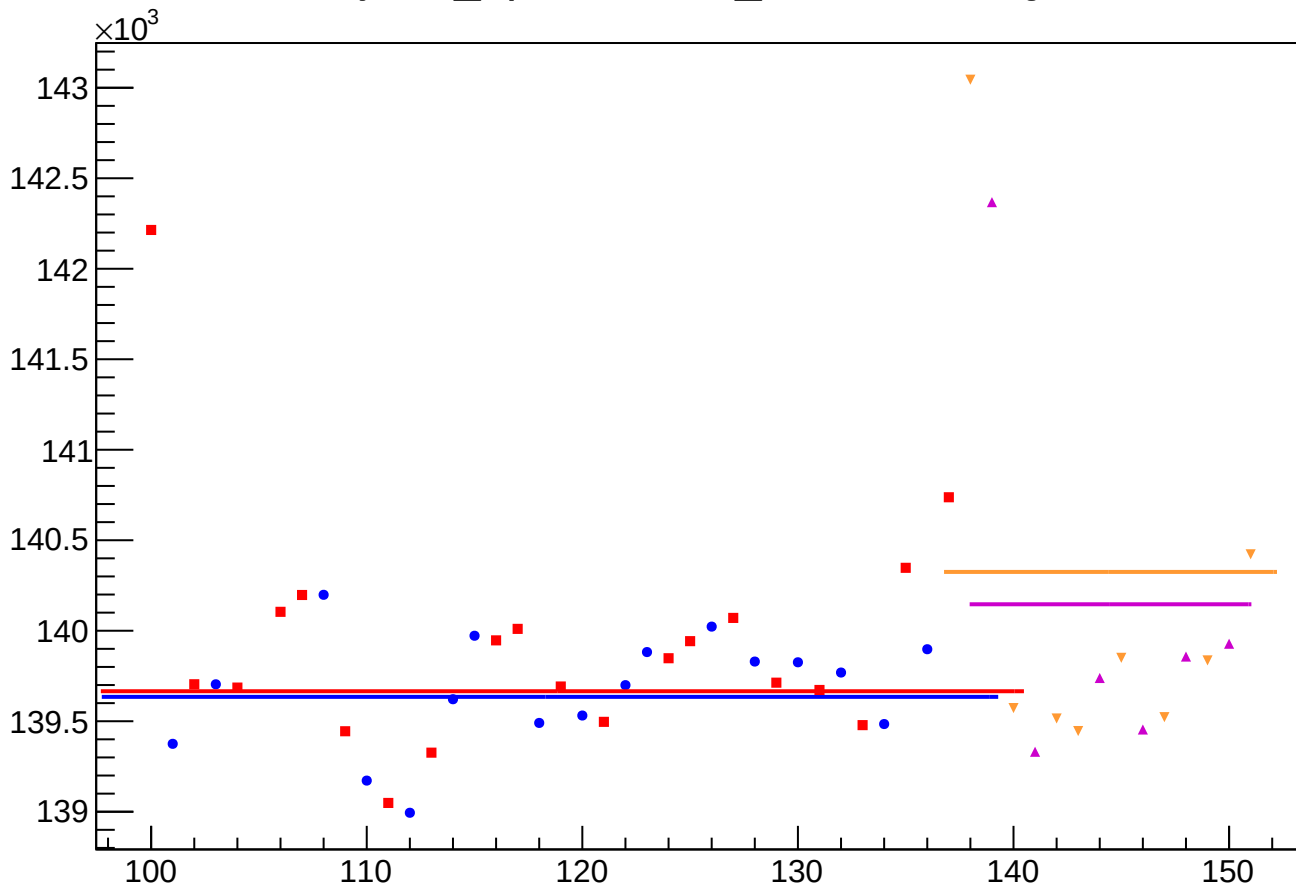
175.062 $\pm$ 0.037 χ^2 /NDF: 1557731.4/24

Right Out: 154.174 $\pm$ 0.044 χ^2 /NDF: 1224004.2/19

168.501 $\pm$ 0.036 χ^2 /NDF: 1849336.4/25

Left In: 201.877 $\pm$ 0.066 χ^2 /NDF: 264180.3/5

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700+/-0.068 χ^2/NDF : 24844912.0/16

Left Out: 140324.989+/-0.089 χ^2/NDF : 201089641.9/7

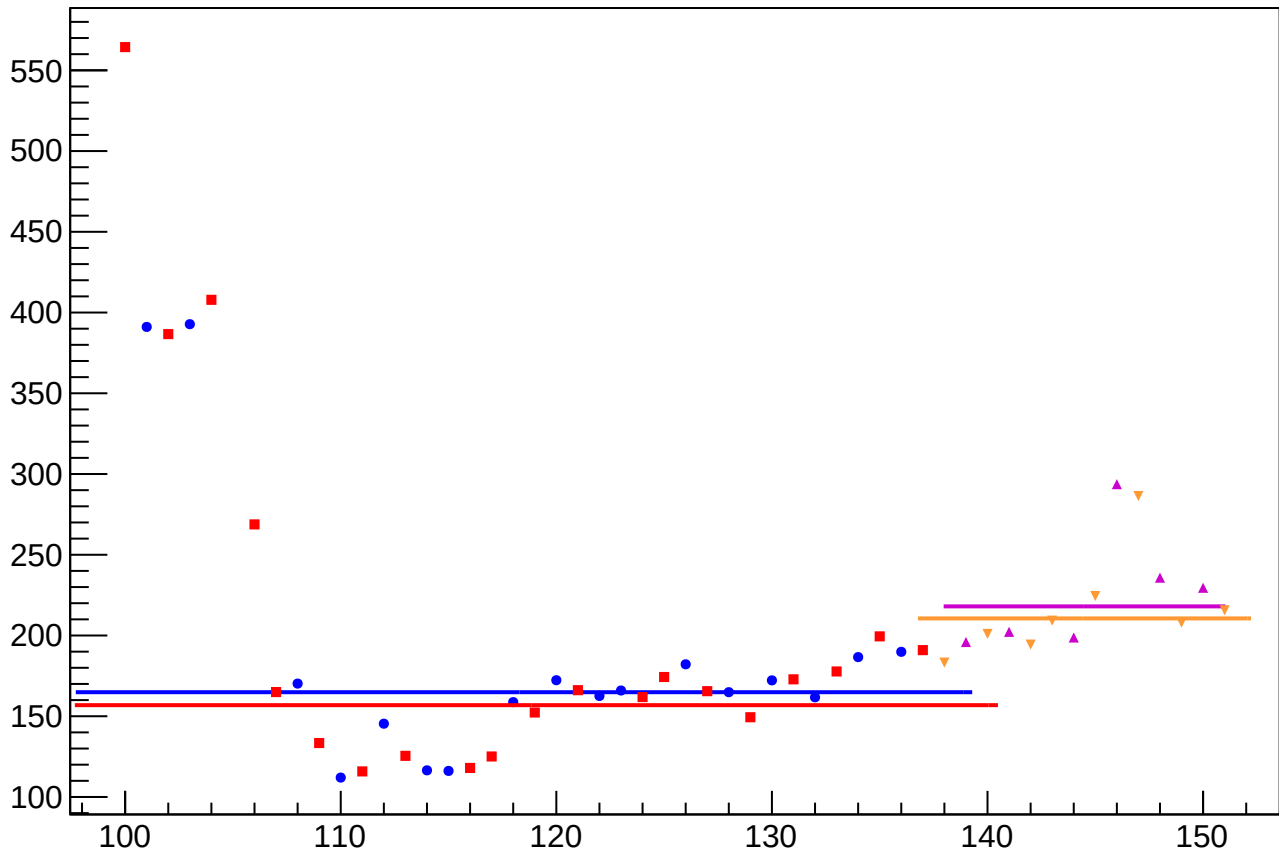
Right Out: 139665.743+/-0.063 χ^2/NDF : 38703726.2/19

Left In: 140146.210+/-0.101 χ^2/NDF : 109799229.8/5

139887.355+/-0.054 χ^2/NDF : 263901215.7/24

139799.653+/-0.053 χ^2/NDF : 164871971.2/25

yield_bpm0l09WS_rms vs Slug



Right In: 164.884+/-0.048 χ^2/NDF : 1066270.8/16

Left Out: 210.583+/-0.063 χ^2/NDF :156890.0/7

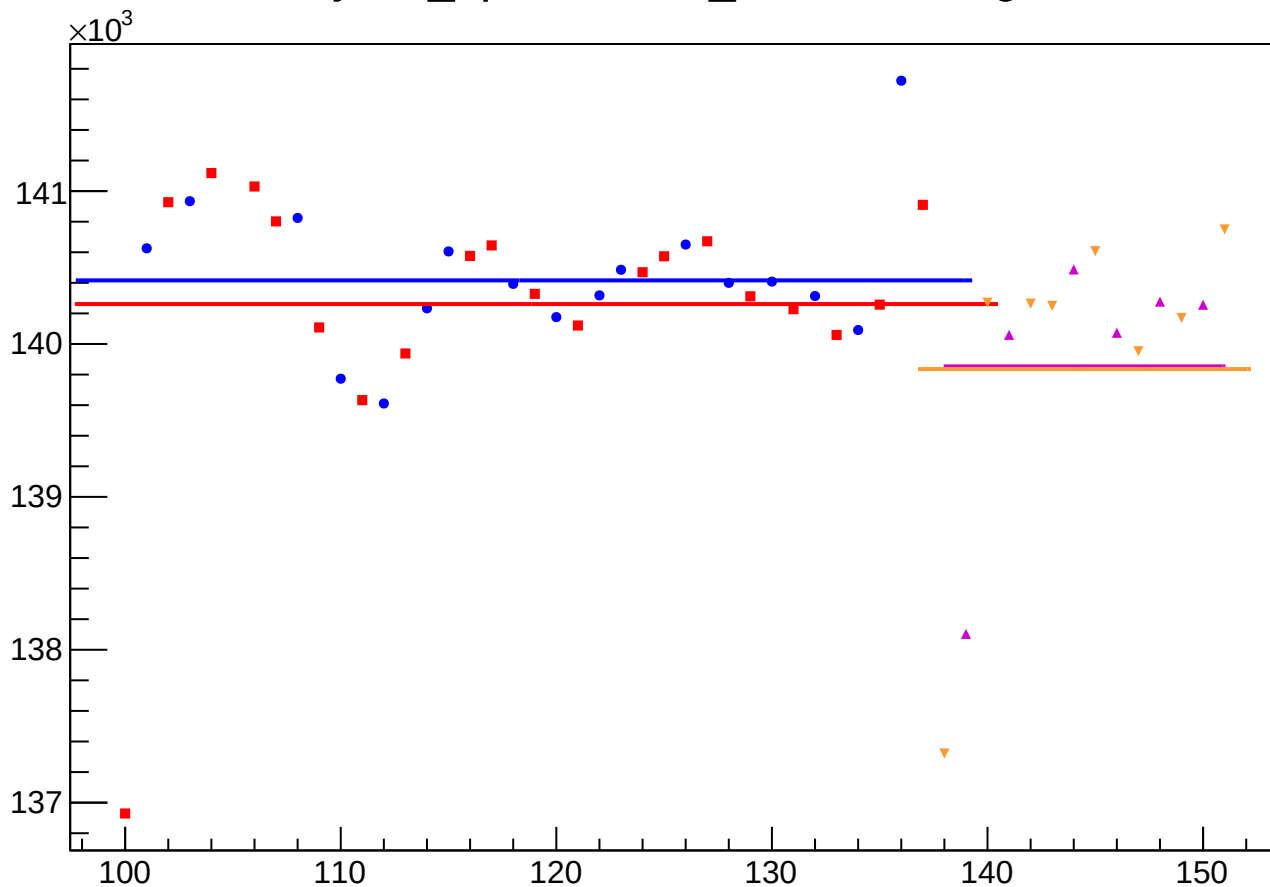
Right Out: 156.859+/-0.044 χ^2/NDF : 1250656.2/19

Left In: 218.039+/-0.071 χ^2/NDF :159412.4/5

181.611+/-0.038 χ^2/NDF : 1555957.3/24

173.910+/-0.038 χ^2/NDF : 1940869.9/25

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 $\pm$ 0.068 χ^2/NDF : 69975821.3/16

Left Out: 139836.054 $\pm$ 0.082 χ^2/NDF : 194991329.6/7

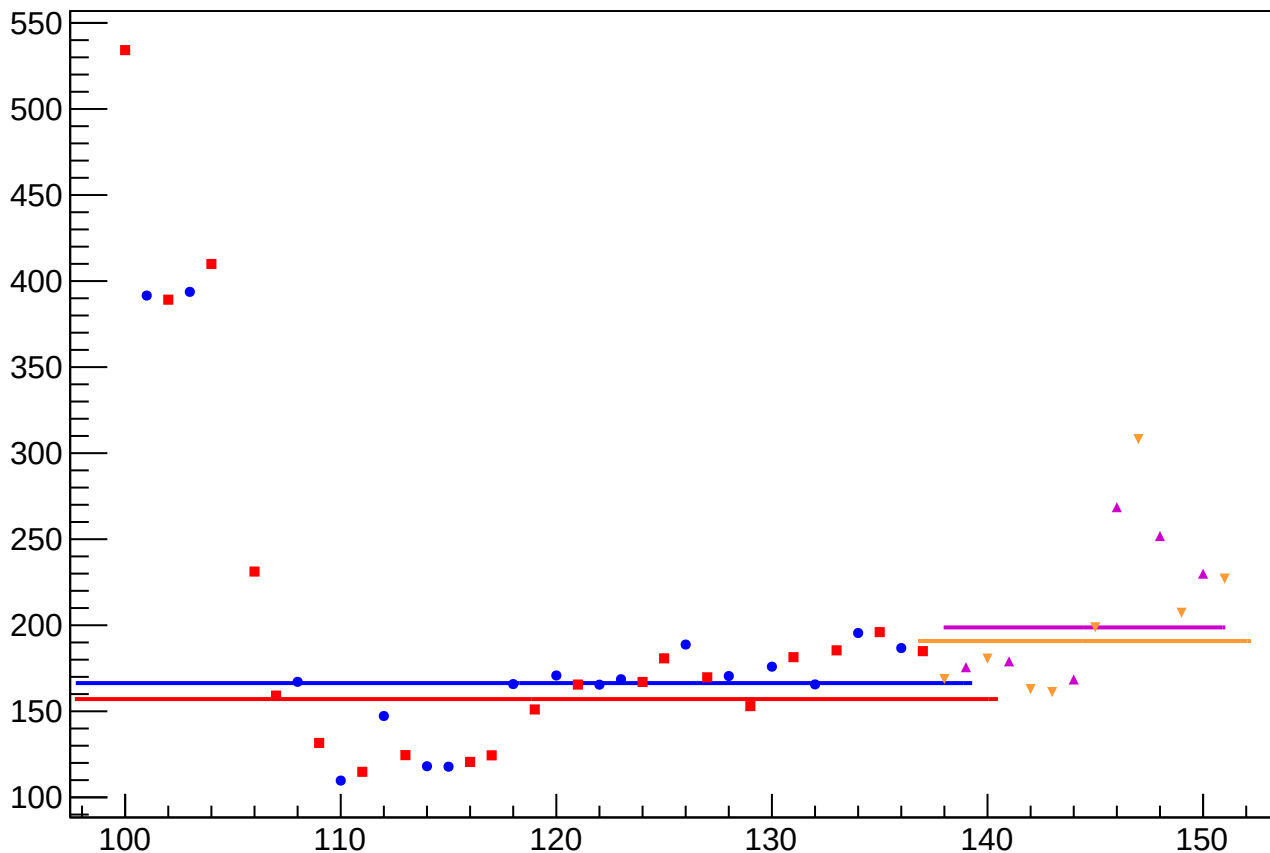
Right Out: 140261.267 $\pm$ 0.063 χ^2/NDF : 38479140.4/19

Left In: 139853.682 $\pm$ 0.093 χ^2/NDF : 85353299.0/5

140177.447 $\pm$ 0.052 χ^2/NDF : 294554147.1/24

140132.804 $\pm$ 0.052 χ^2/NDF : 137111103.5/25

yield_bpm0l10WS_rms vs Slug



Right In: 166.388+/-0.048 χ^2/NDF : 1080964.8/16

Left Out: 190.862+/-0.058 χ^2/NDF : 374772.1/7

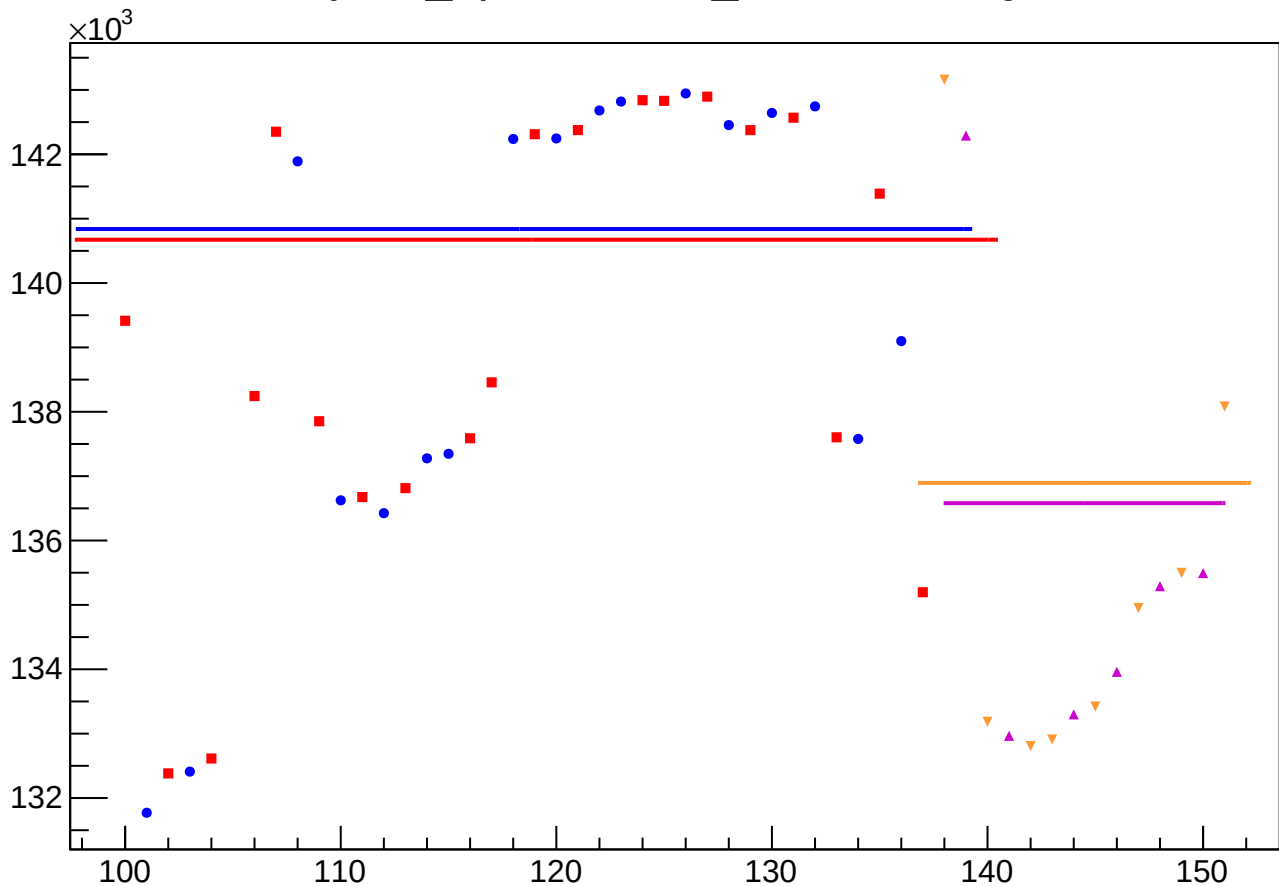
Right Out: 157.110+/-0.044 χ^2/NDF : 1235934.7/19

Left In: 198.742+/-0.065 χ^2/NDF : 304582.8/5

176.457+/-0.037 χ^2/NDF : 1561102.2/24

170.232+/-0.037 χ^2/NDF : 1817582.8/25

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 $\pm$ 0.100 χ^2 /NDF: 822682996.3/16

Left Out: 136895.359 $\pm$ 0.129 χ^2 /NDF: 1067475162.4/7

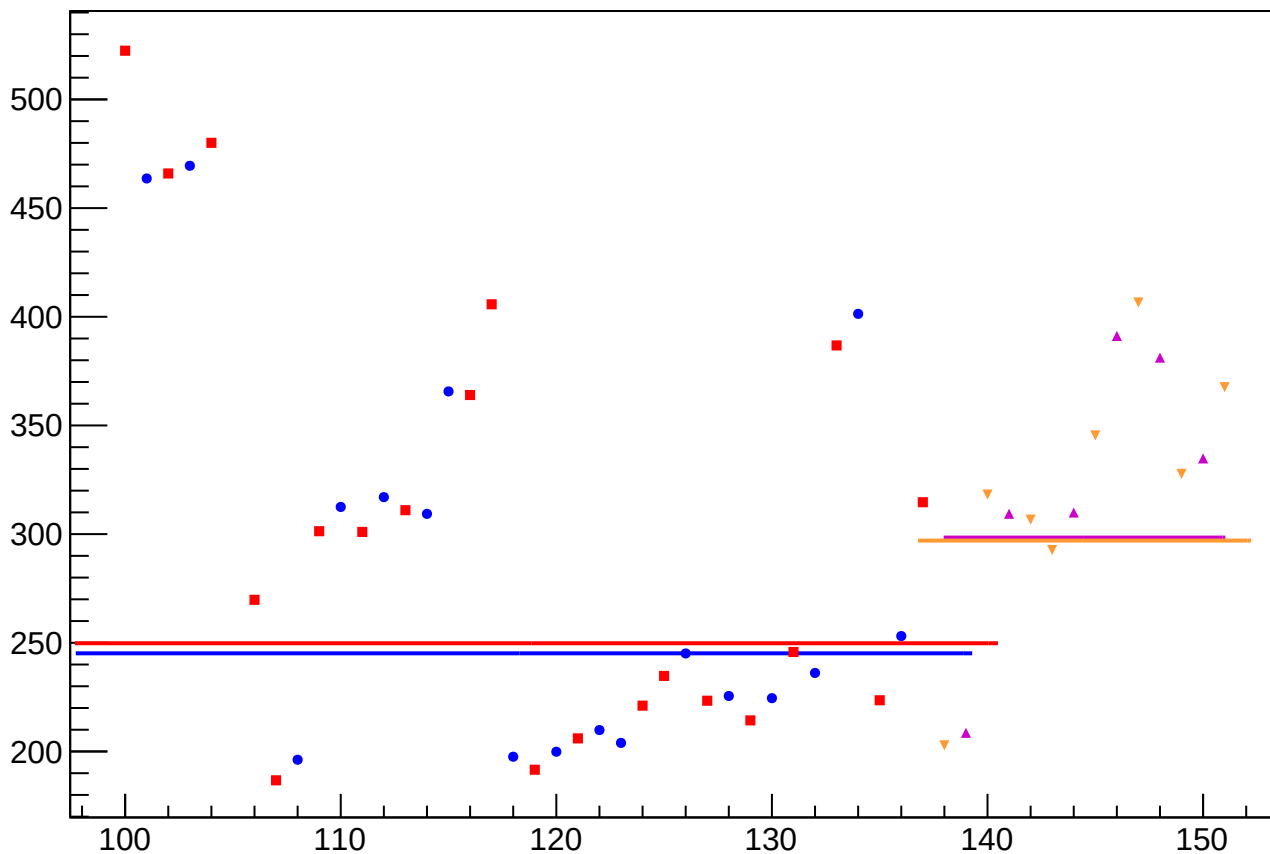
Right Out: 140672.898 $\pm$ 0.099 χ^2 /NDF: 841965357.5/19

Left In: 136581.074 $\pm$ 0.142 χ^2 /NDF: 745352897.5/5

139364.687 $\pm$ 0.079 χ^2 /NDF: 2471510225.4/24

139330.512 $\pm$ 0.081 χ^2 /NDF: 2148032920.0/25

yield_bpm0r03WS_rms vs Slug



Right In: 245.159 ± 0.071 χ^2/NDF : 869491.6/16

Left Out: 297.031 ± 0.092 χ^2/NDF : 522327.2/7

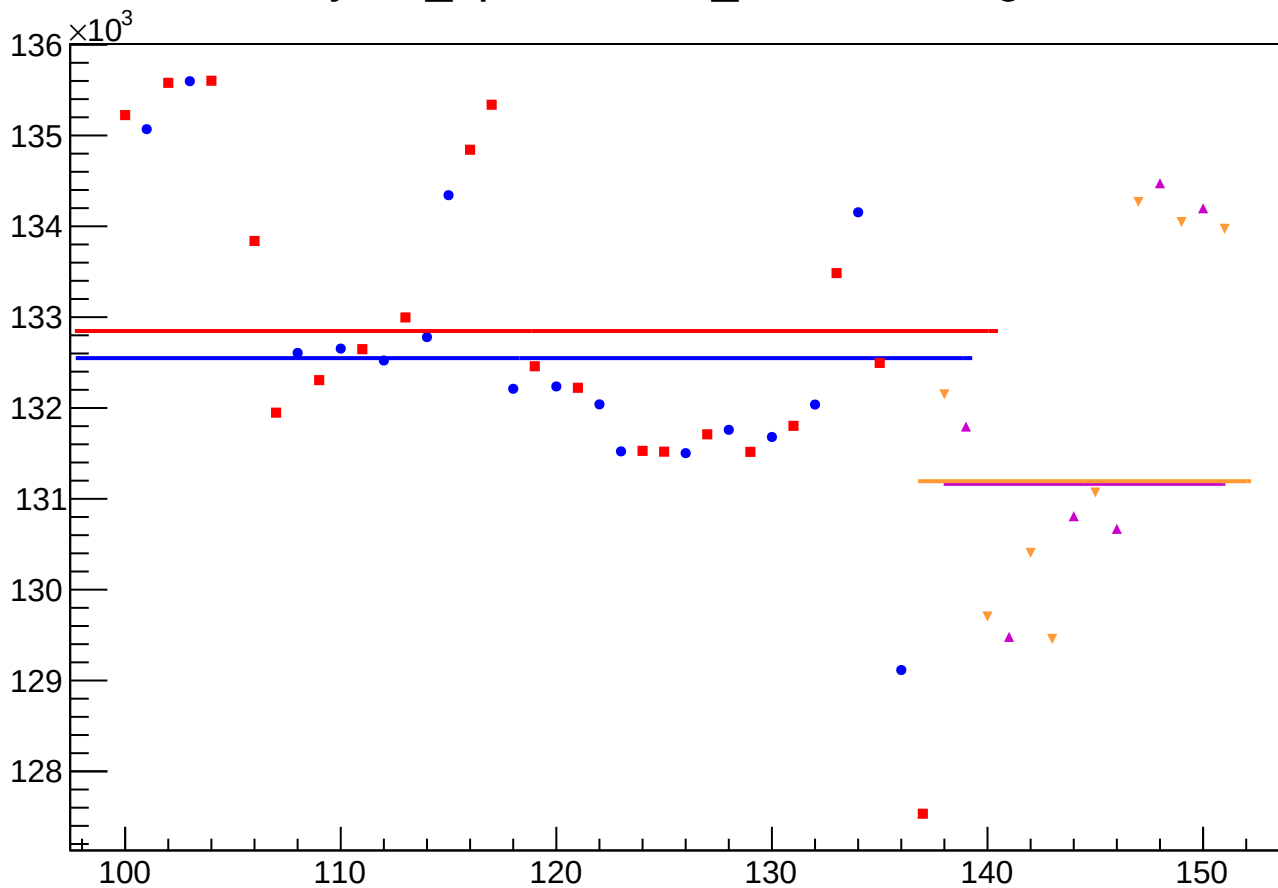
Right Out: 249.792 ± 0.070 χ^2/NDF : 1022316.0/19

Left In: 298.406 ± 0.100 χ^2/NDF : 424224.0/5

264.552 ± 0.056 χ^2/NDF : 1592962.0/24

265.741 ± 0.057 χ^2/NDF : 1604833.3/25

yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 $\pm$ 0.119 χ^2 /NDF: 161115079.9/16

Left Out: 131194.032 $\pm$ 0.094 χ^2 /NDF: 299406772.3/7

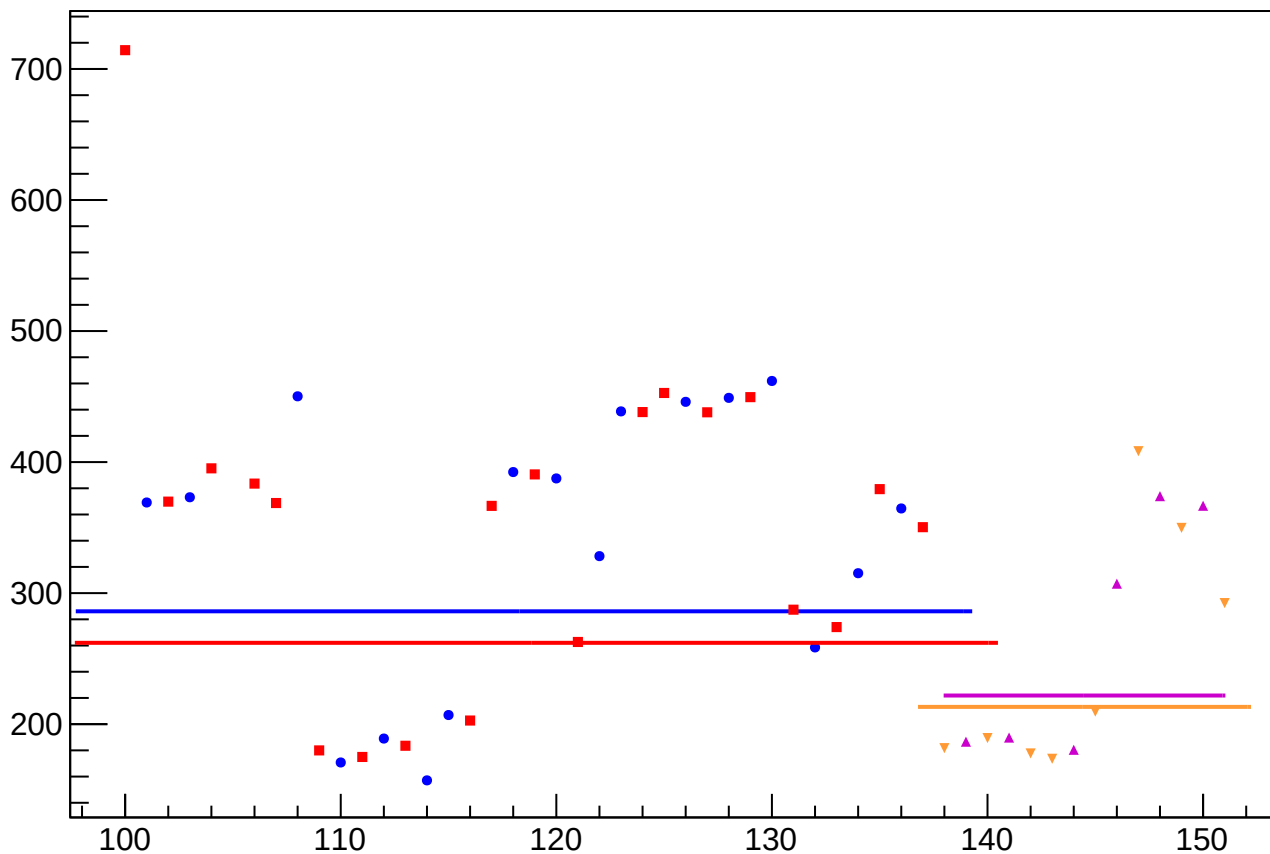
Right Out: 132847.502 $\pm$ 0.107 χ^2 /NDF: 151618589.4/19

Left In: 131164.933 $\pm$ 0.107 χ^2 /NDF: 197891055.3/5

131715.757 $\pm$ 0.074 χ^2 /NDF: 539736694.5/24

132007.832 $\pm$ 0.076 χ^2 /NDF: 473133583.1/25

yield_bpm0r05WS_rms vs Slug



Right In: 286.122+/-0.084 χ^2/NDF : 1525266.4/16

Left Out: 213.187+/-0.067 χ^2/NDF : 873790.3/7

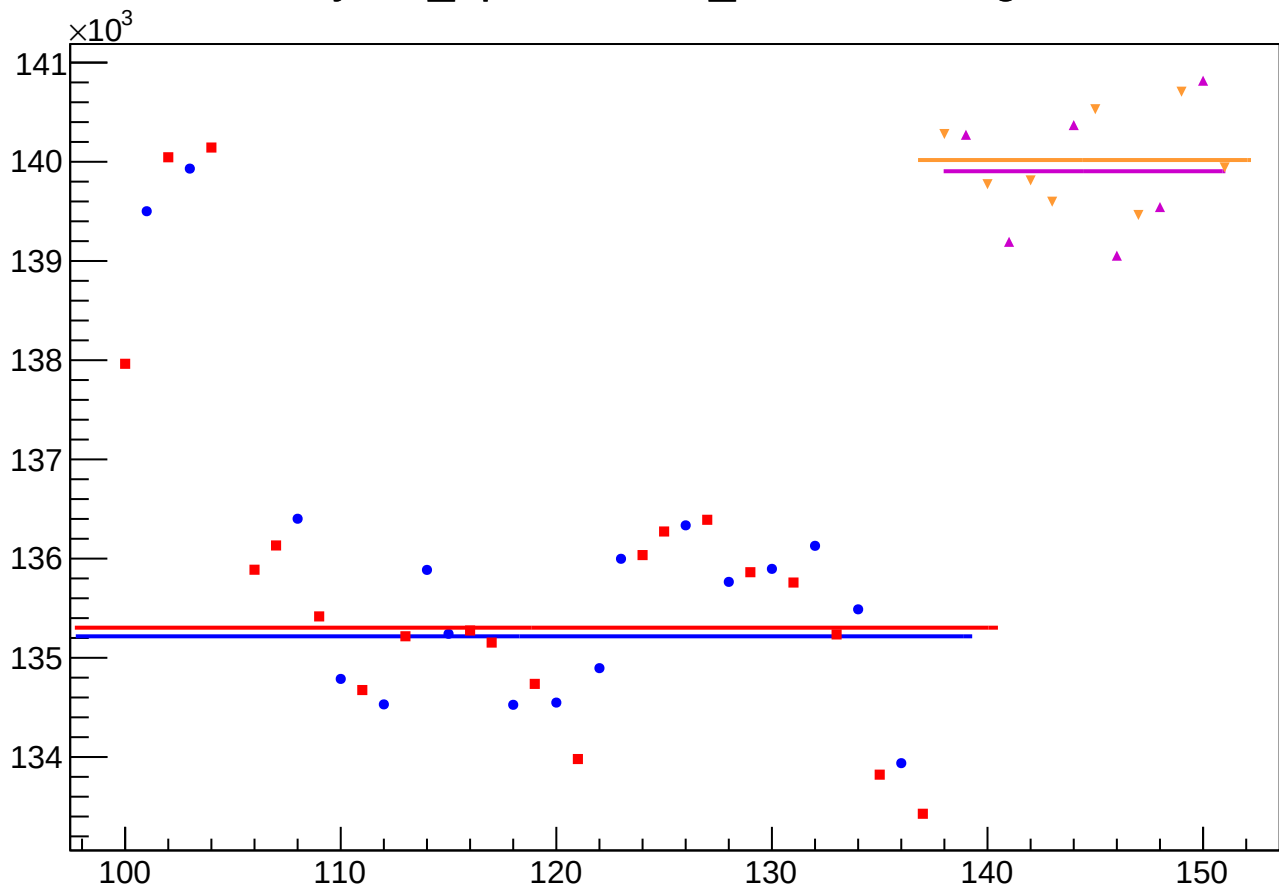
241.272+/-0.052 χ^2/NDF : 2858179.2/24

Right Out: 262.073+/-0.076 χ^2/NDF : 1630239.5/19

242.002+/-0.054 χ^2/NDF : 2599527.8/25

Left In: 221.855+/-0.076 χ^2/NDF : 828027.6/5

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 $\pm$ 0.054 χ^2 /NDF: 371347707.3/16

Left Out: 140017.653 $\pm$ 0.079 χ^2 /NDF: 25801918.0/7

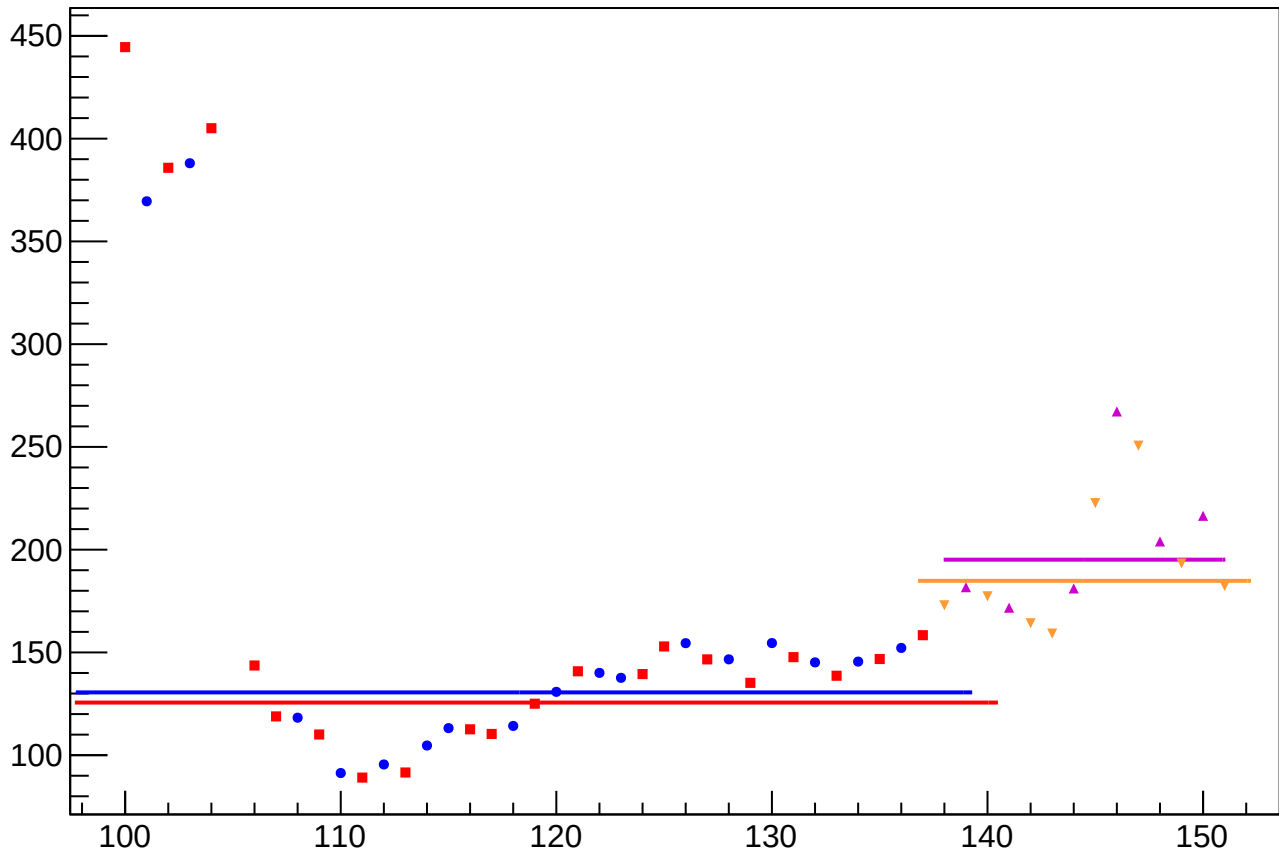
Right Out: 135303.736 $\pm$ 0.051 χ^2 /NDF: 357717935.5/19

Left In: 139904.715 $\pm$ 0.091 χ^2 /NDF: 47517752.5/5

136758.761 $\pm$ 0.045 χ^2 /NDF: 2903115045.9/24

136404.856 $\pm$ 0.044 χ^2 /NDF: 2360317600.2/25

yield_bpm0i02WS_rms vs Slug



Right In: 130.552+/-0.038 χ^2/NDF : 1373104.9/16

Left Out: 184.835+/-0.056 χ^2/NDF :204094.1/7

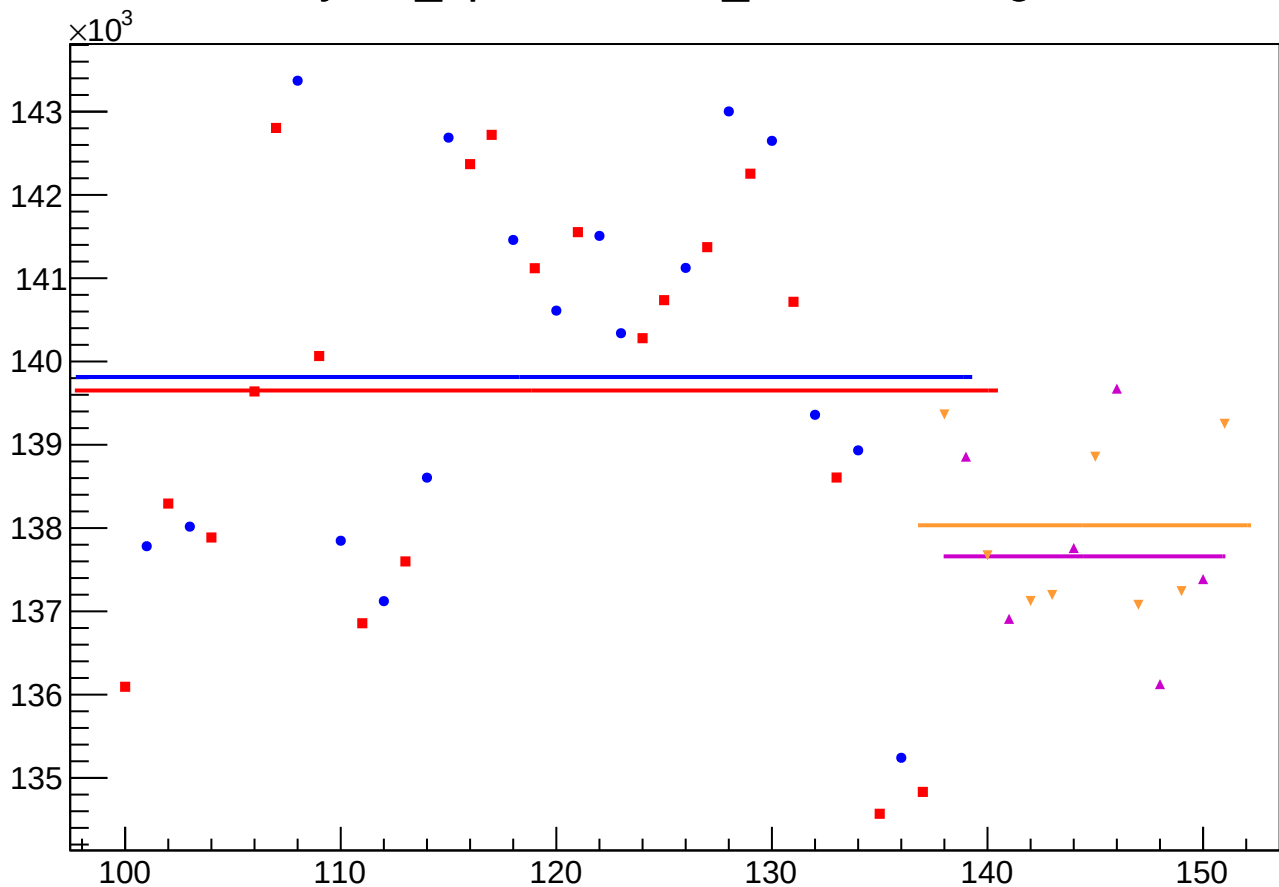
147.988+/-0.032 χ^2/NDF : 2217923.7/24

Right Out: 125.603+/-0.036 χ^2/NDF : 1441677.4/19

142.244+/-0.031 χ^2/NDF : 2510190.8/25

Left In: 195.137+/-0.064 χ^2/NDF :175449.0/5

yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 ± 0.062 χ^2/NDF : 1689865533.6/16

Left Out: 138033.365 ± 0.080 χ^2/NDF : 141503234.7/7

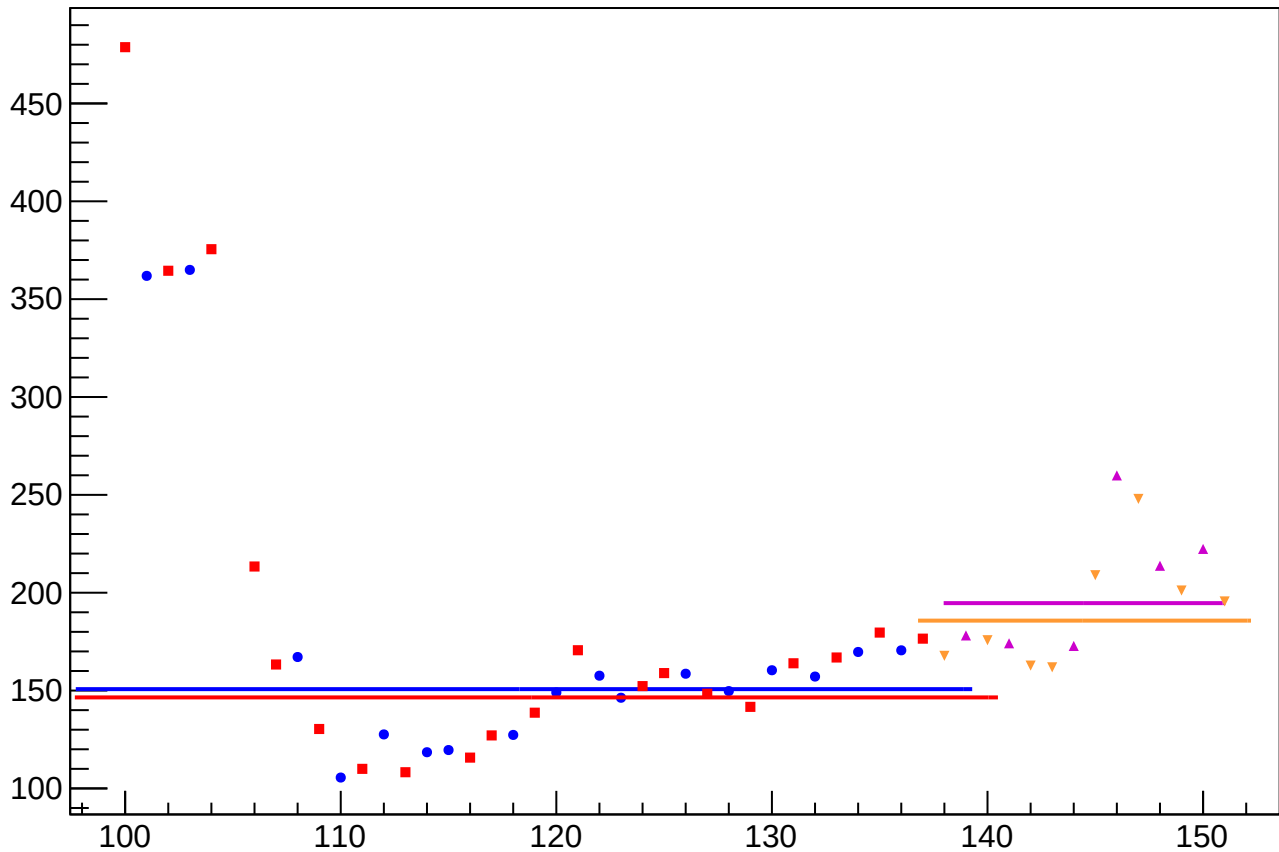
Right Out: 139651.821 ± 0.059 χ^2/NDF : 1531019137.4/19

Left In: 137660.385 ± 0.091 χ^2/NDF : 133159531.6/5

139141.695 ± 0.049 χ^2/NDF : 2143363035.9/24

139061.638 ± 0.049 χ^2/NDF : 2004718644.3/25

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733 ± 0.044 χ^2/NDF : 1050071.6/16

Left Out: 185.742 ± 0.056 χ^2/NDF : 193225.9/7

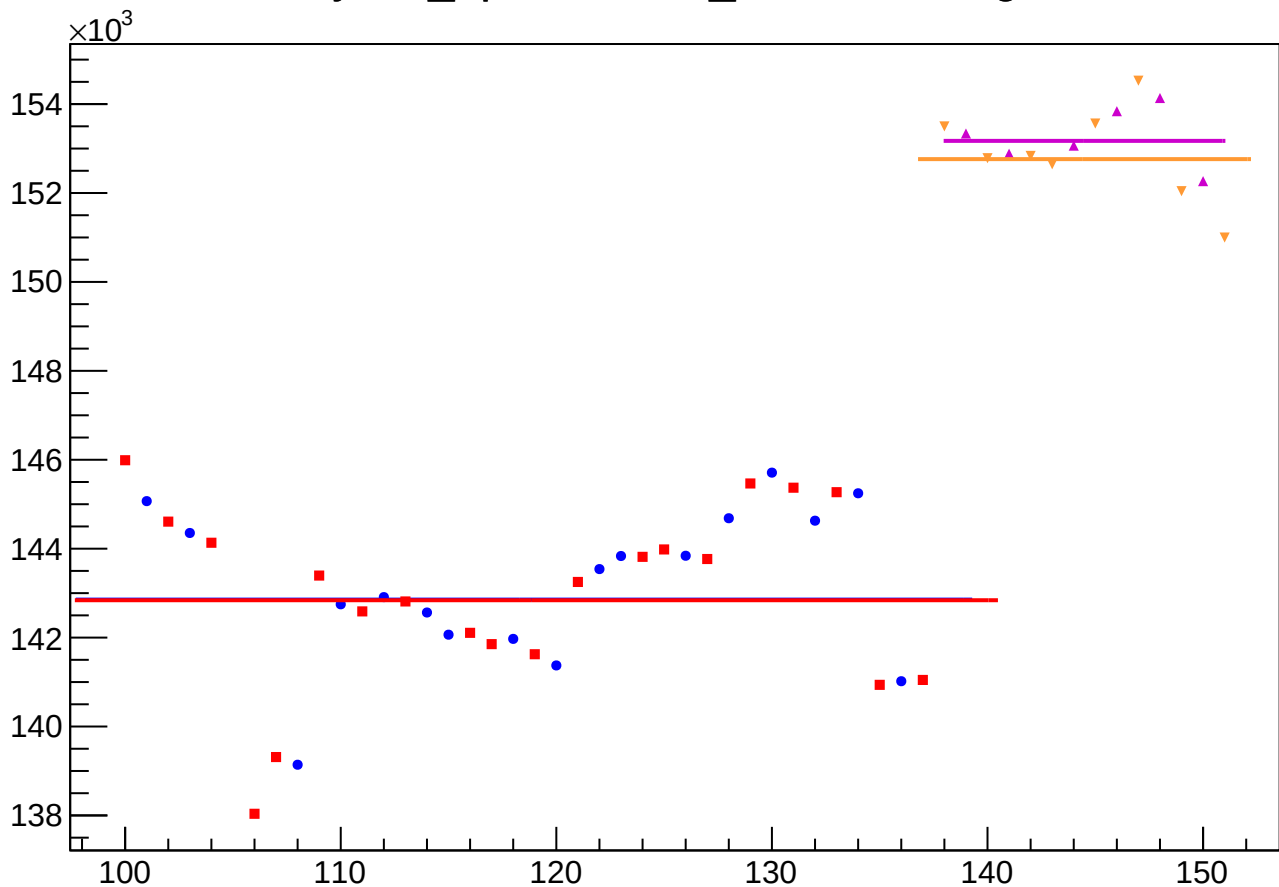
Right Out: 146.506 ± 0.042 χ^2/NDF : 1205131.2/19

Left In: 194.680 ± 0.064 χ^2/NDF : 196462.6/5

163.947 ± 0.035 χ^2/NDF : 1484592.8/24

160.783 ± 0.035 χ^2/NDF : 1800161.2/25

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065 χ^2 /NDF: 740367386.5/16

Left Out: 152762.183 $\pm$ 0.080 χ^2 /NDF: 137255879.2/7

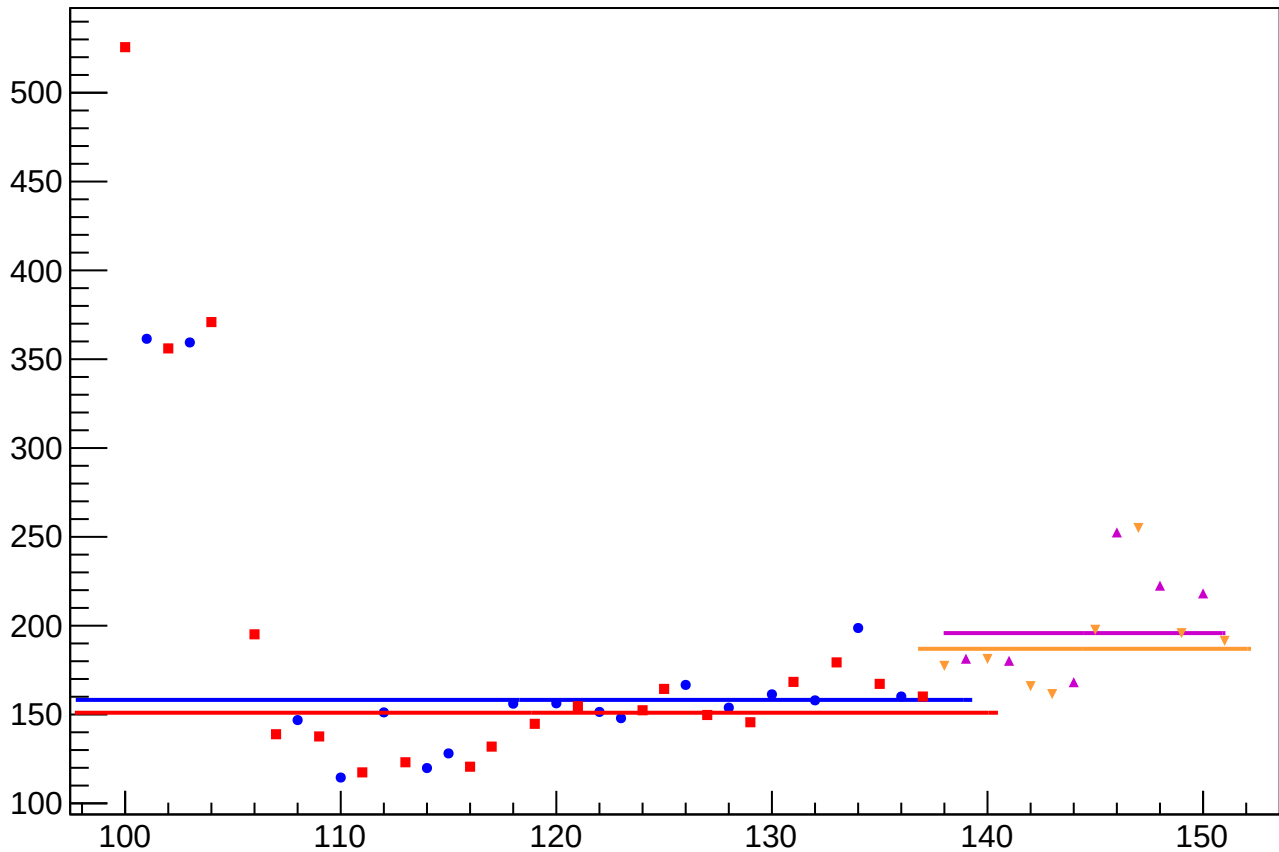
Right Out: 142840.509 $\pm$ 0.060 χ^2 /NDF: 852484333.4/19

Left In: 153172.624 $\pm$ 0.091 χ^2 /NDF: 37875947.9/5

146792.375 $\pm$ 0.050 χ^2 /NDF: 10209415307.6/2

146000.584 $\pm$ 0.050 χ^2 /NDF: 9921587760.4/25

yield_bpm0i05WS_rms vs Slug



Right In: 158.233+/-0.046 χ^2/NDF : 883513.4/16

Left Out: 186.988+/-0.056 χ^2/NDF : 169794.9/7

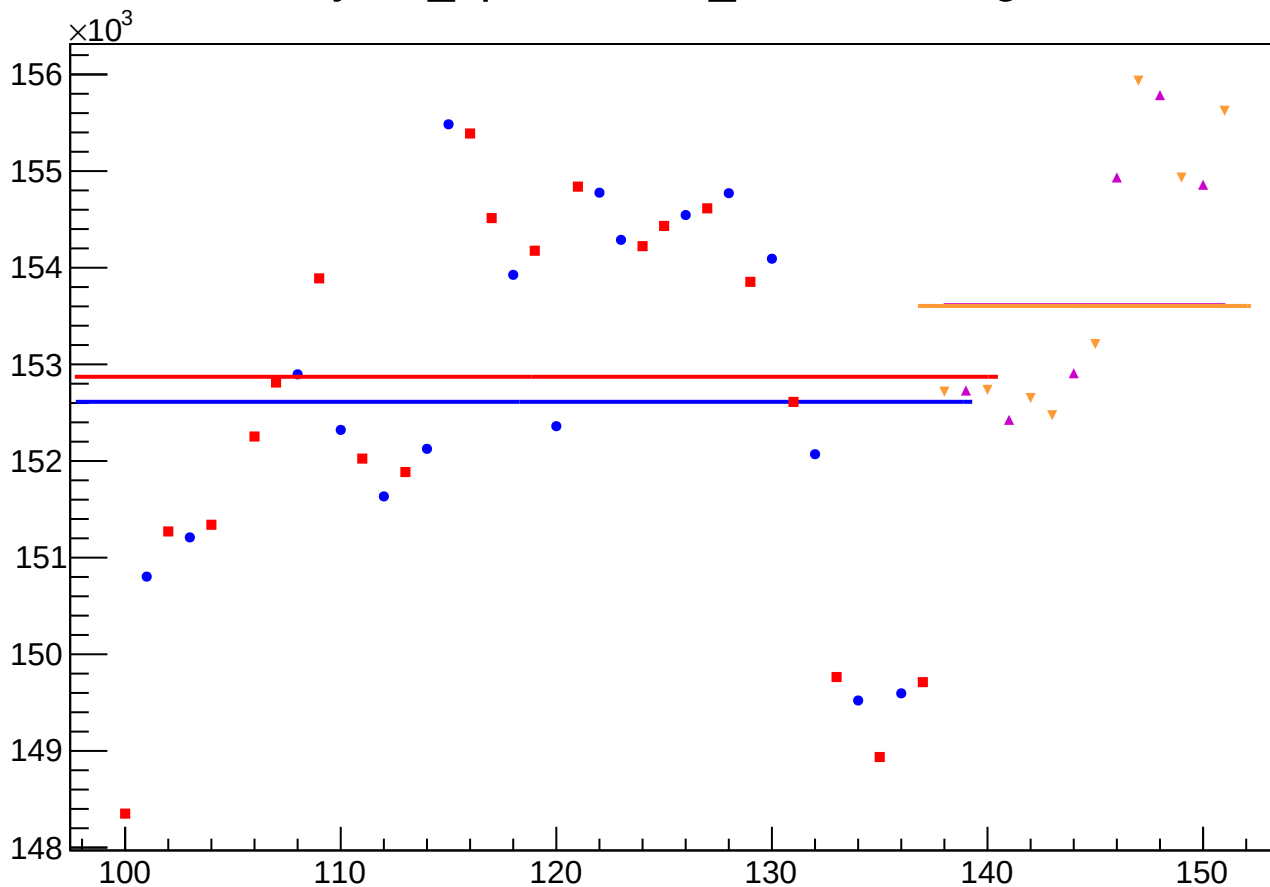
169.662+/-0.035 χ^2/NDF : 1210514.0/24

Right Out: 151.003+/-0.043 χ^2/NDF : 1005104.9/19

164.713+/-0.035 χ^2/NDF : 1530806.6/25

Left In: 195.830+/-0.064 χ^2/NDF : 185703.3/5

yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072 χ^2 /NDF: 621416187.4/16

Left Out: 153604.636 $\pm$ 0.080 χ^2 /NDF: 260821895.6/7

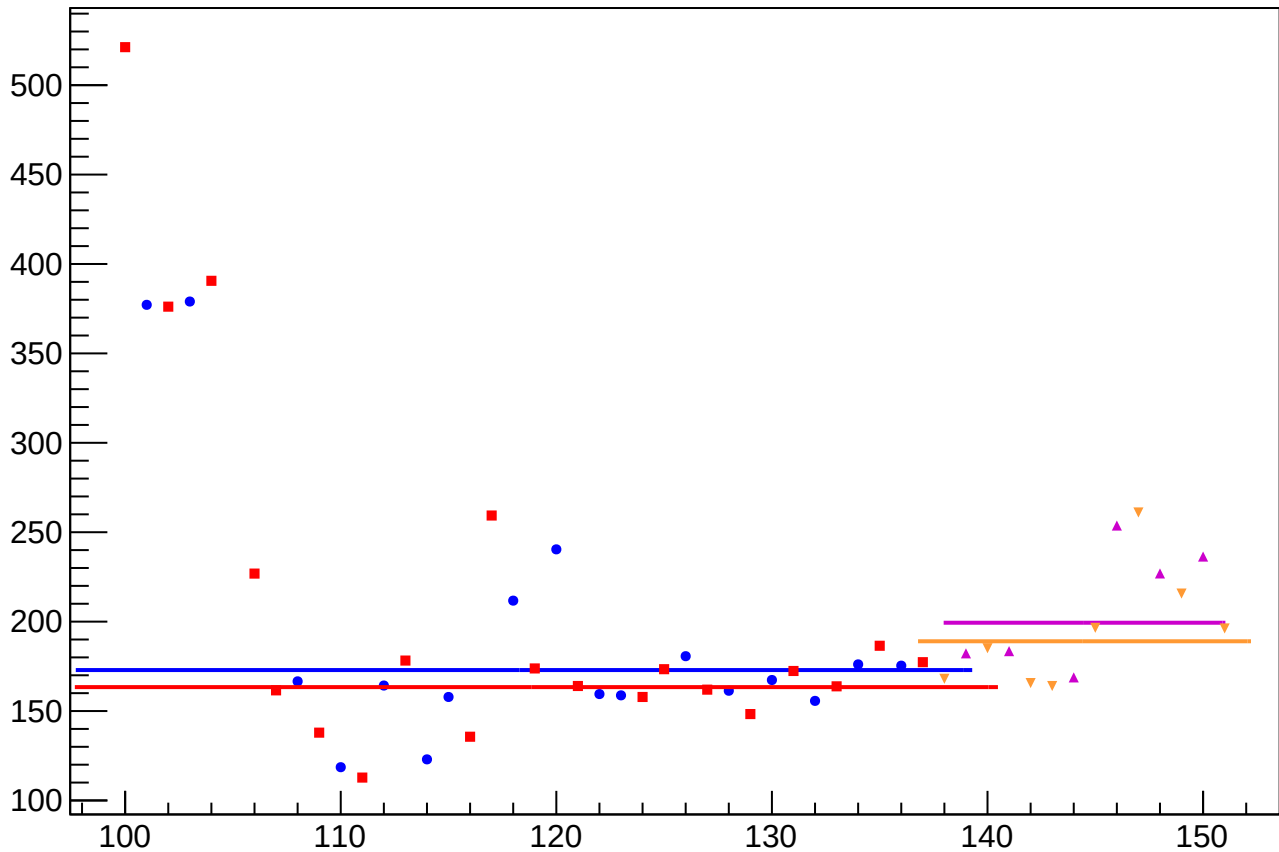
Right Out: 152871.618 $\pm$ 0.066 χ^2 /NDF: 720639345.6/19

Left In: 153612.591 $\pm$ 0.092 χ^2 /NDF: 182432005.6/5

153056.361 $\pm$ 0.054 χ^2 /NDF: 966772922.1/24

153123.200 $\pm$ 0.054 χ^2 /NDF: 945695179.8/25

yield_bpm0i07WS_rms vs Slug



Right In: 172.921+/-0.051 χ^2/NDF : 941954.0/16

Left Out: 189.016+/-0.057 χ^2/NDF : 216777.3/7

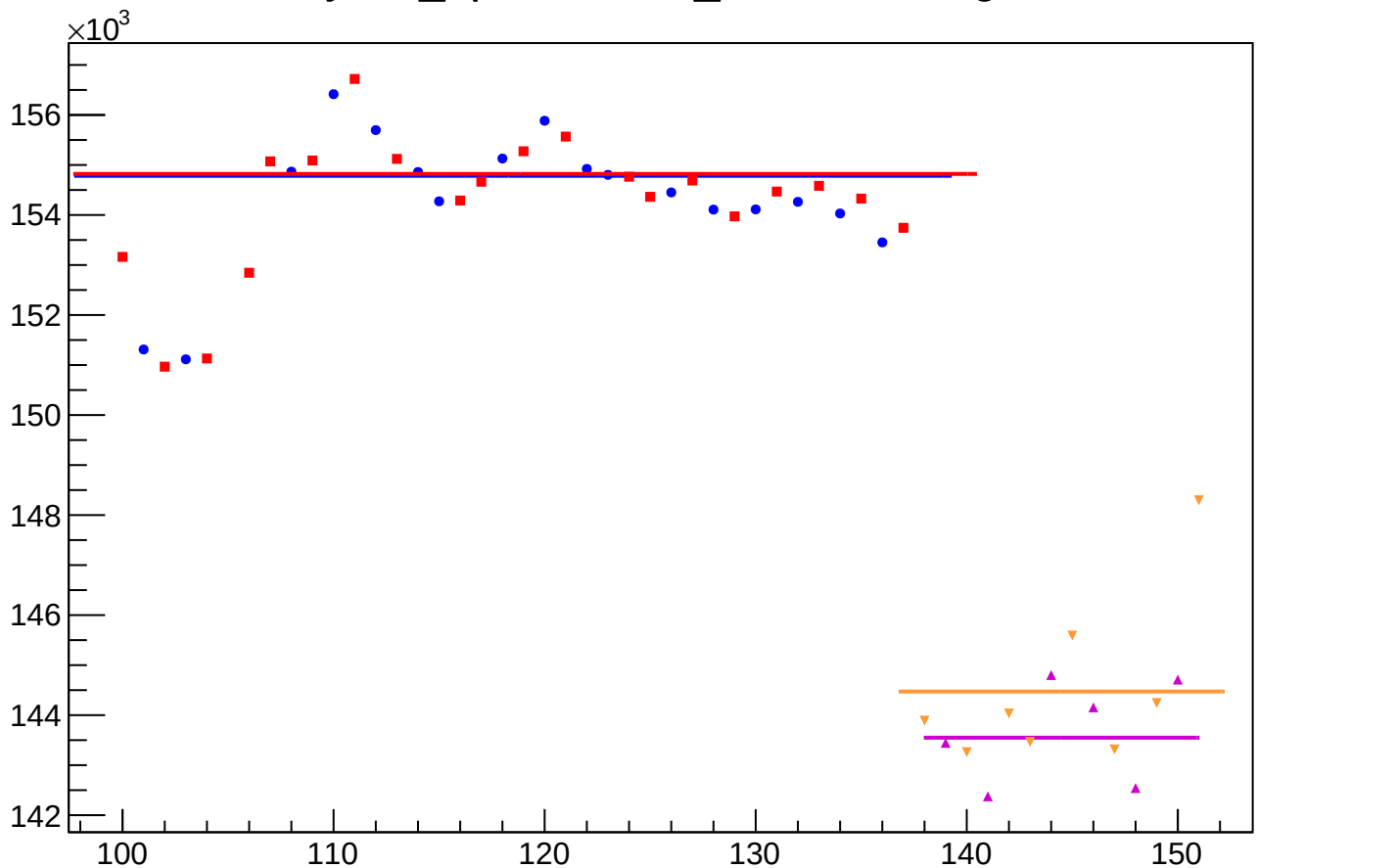
Right Out: 163.382+/-0.047 χ^2/NDF : 1044431.2/19

Left In: 199.385+/-0.065 χ^2/NDF : 217137.2/5

180.121+/-0.038 χ^2/NDF : 1203234.6/24

175.606+/-0.038 χ^2/NDF : 1462835.4/25

yield_bpm1i02WS_mean vs Slug



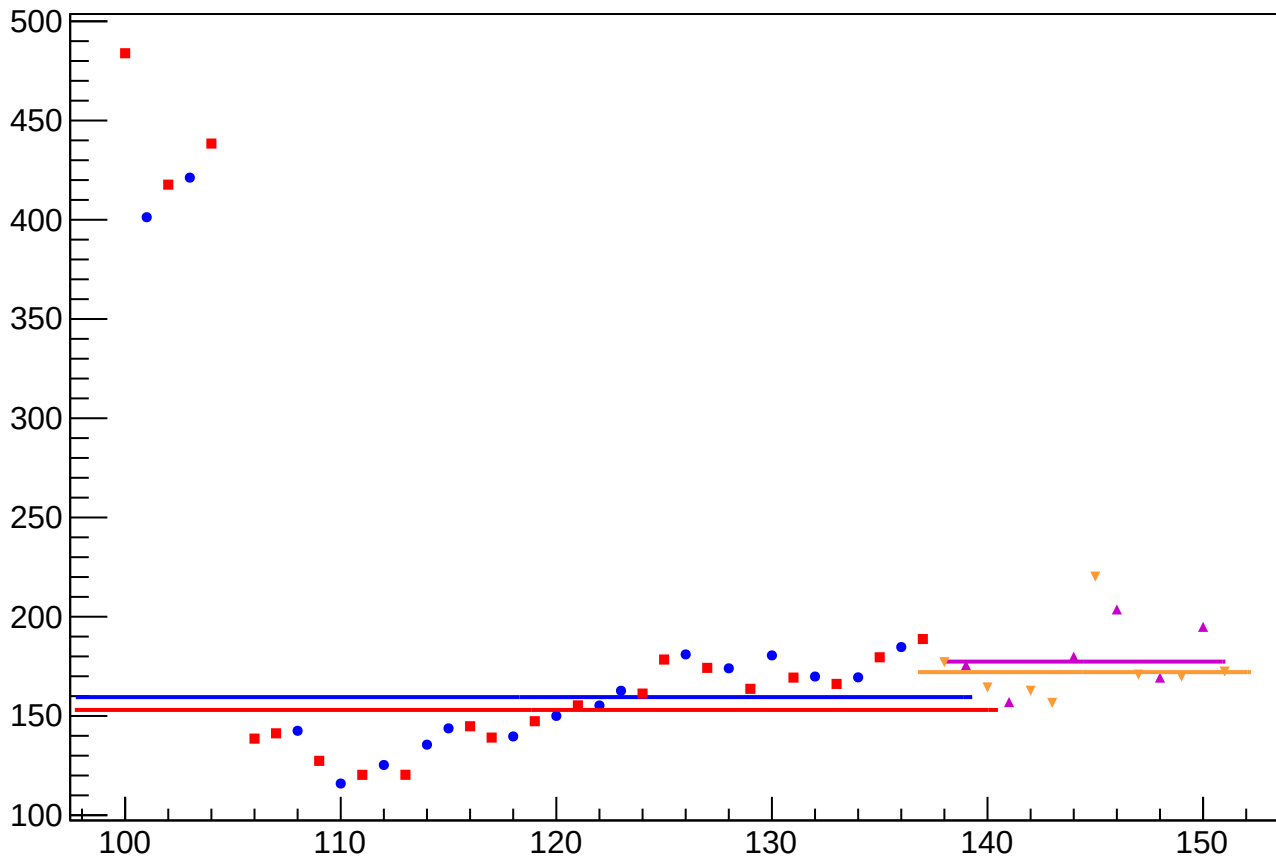
Right In: 154783.944 ± 0.065 $\chi^2/\text{NDF}: 265581398.0/16$

Left Out: 144472.331 ± 0.072 $\chi^2/\text{NDF}: 524409842.6/7$

Right Out: 154820.824 ± 0.061 $\chi^2/\text{NDF}: 293904936.4/19$

Left In: 143549.294 ± 0.081 $\chi^2/\text{NDF}: 153976538.6/5$

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 172.097 $\pm$ 0.051 χ^2 /NDF:93650.2/7

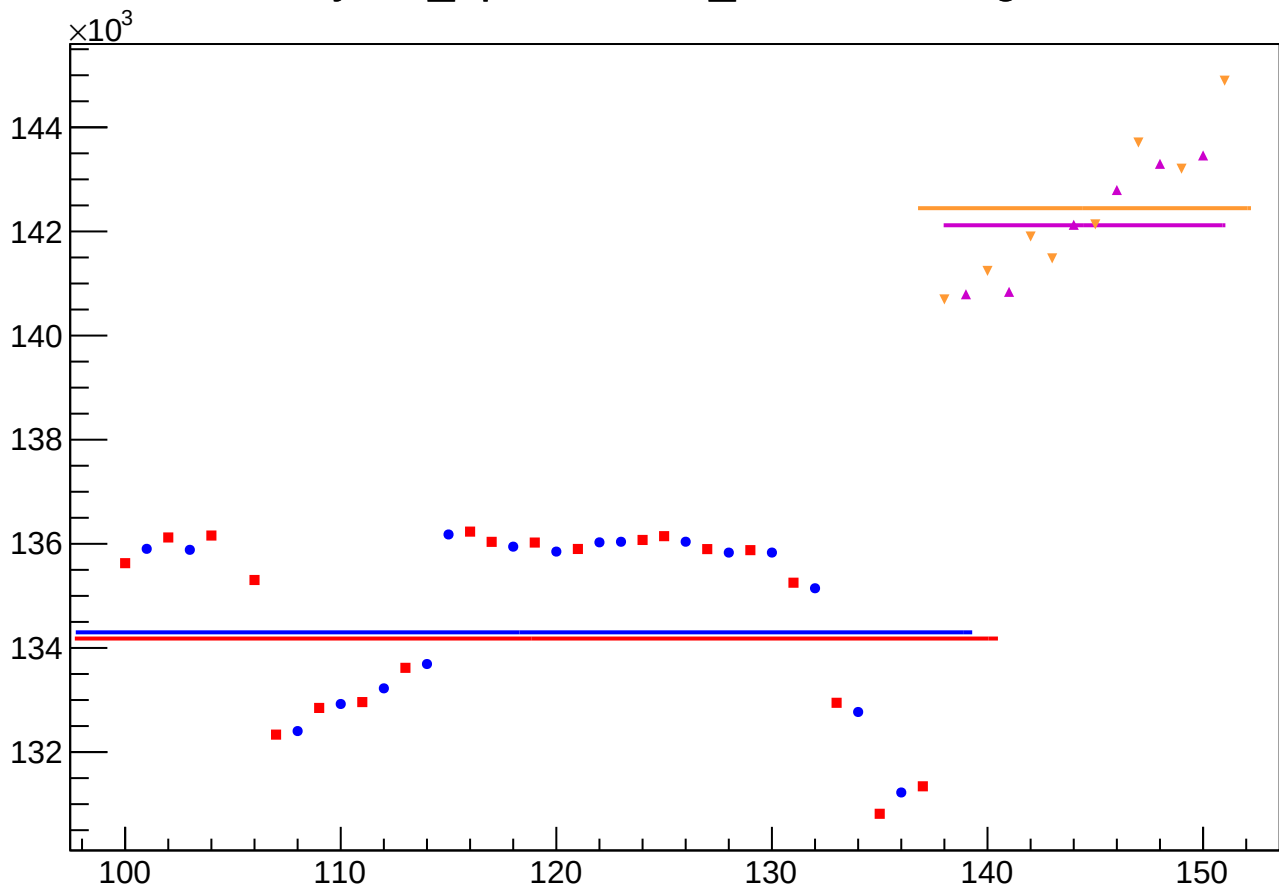
Right Out: 153.038 $\pm$ 0.043 χ^2 /NDF: 1174616.4/19

Left In: 177.390 $\pm$ 0.057 χ^2 /NDF:72203.5/5

165.157 $\pm$ 0.034 χ^2 /NDF: 1258820.0/24

161.757 $\pm$ 0.034 χ^2 /NDF: 1362316.0/25

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 ± 0.050 $\chi^2/\text{NDF}: 1149581803.2/16$

Left Out: 142446.649 ± 0.071 $\chi^2/\text{NDF}: 373161593.4/7$

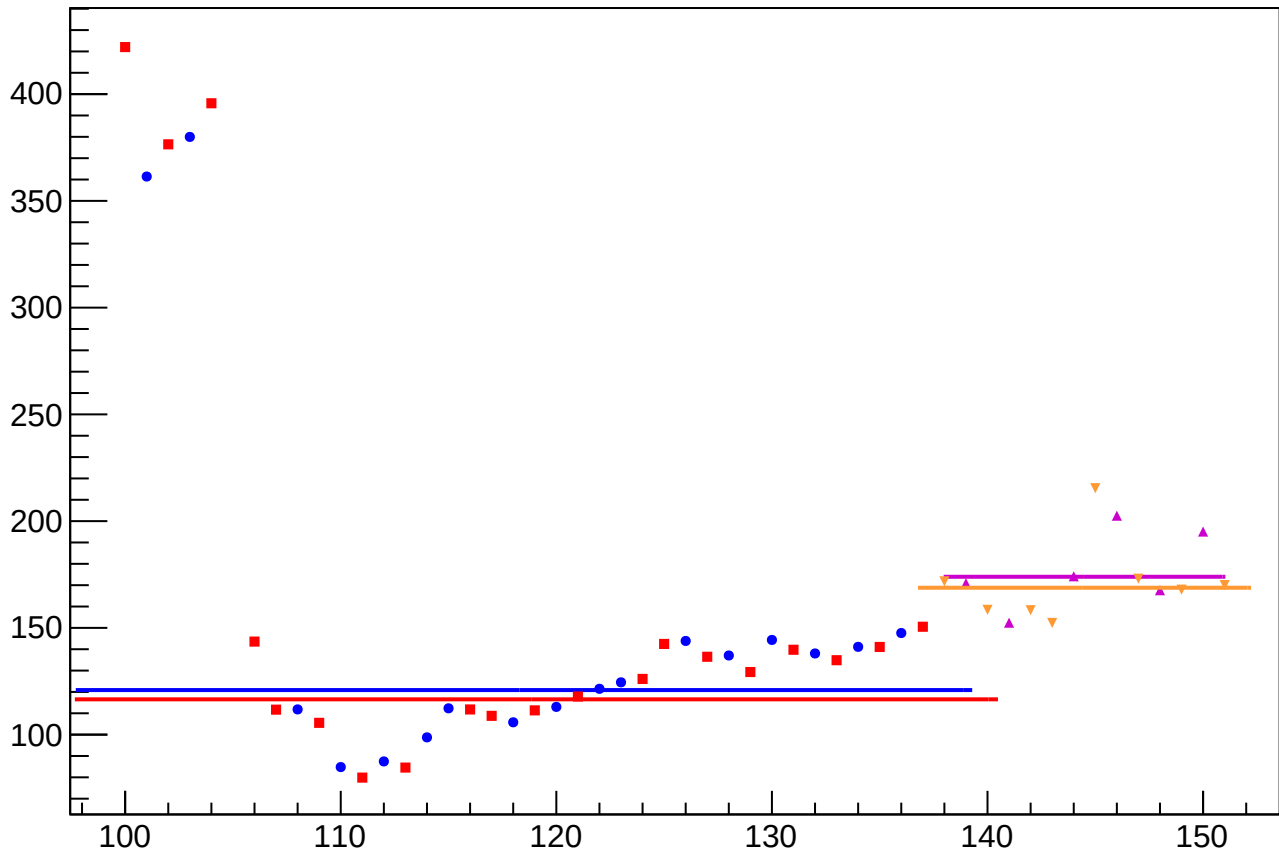
Right Out: 134180.888 ± 0.047 $\chi^2/\text{NDF}: 1224202240.2/19$

Left In: 142118.637 ± 0.080 $\chi^2/\text{NDF}: 188025958.3/5$

137018.540 ± 0.041 $\chi^2/\text{NDF}: 10261408792.2/2$

136236.675 ± 0.041 $\chi^2/\text{NDF}: 8737086042.9/25$

yield_bpm1i04WS_rms vs Slug



Right In: 120.872+/-0.036 χ^2/NDF : 1463728.4/16

Left Out: 168.805+/-0.050 χ^2/NDF : 98740.4/7

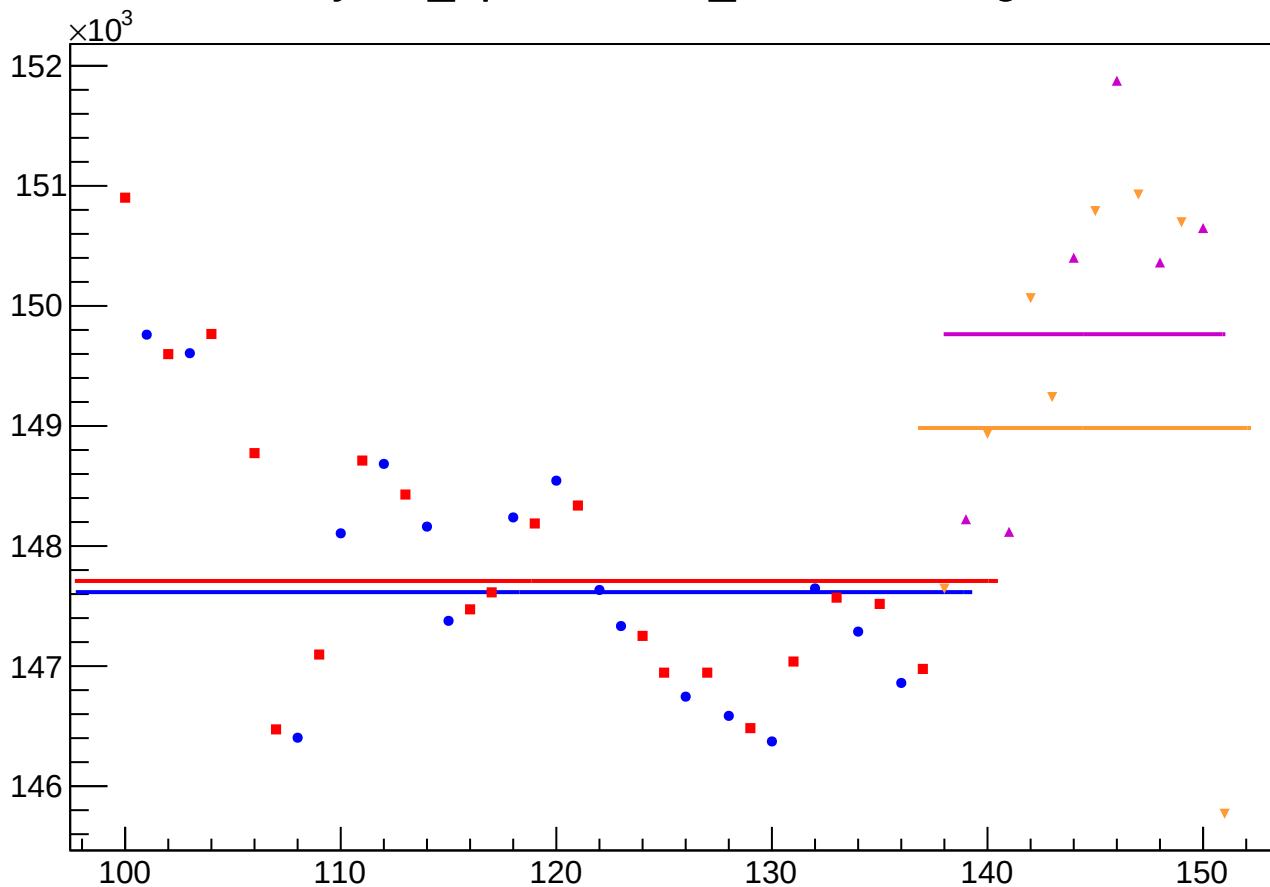
136.867+/-0.029 χ^2/NDF : 2167500.7/24

Right Out: 116.531+/-0.033 χ^2/NDF : 1541779.4/19

131.400+/-0.029 χ^2/NDF : 2395284.2/25

Left In: 173.942+/-0.056 χ^2/NDF : 87162.0/5

yield_bpm1i06WS_mean vs Slug



Right In: 147616.150+/-0.062 χ^2/NDF : 199263428.7/16

Left Out: 148983.487+/-0.086 χ^2/NDF : 412605934.2/7

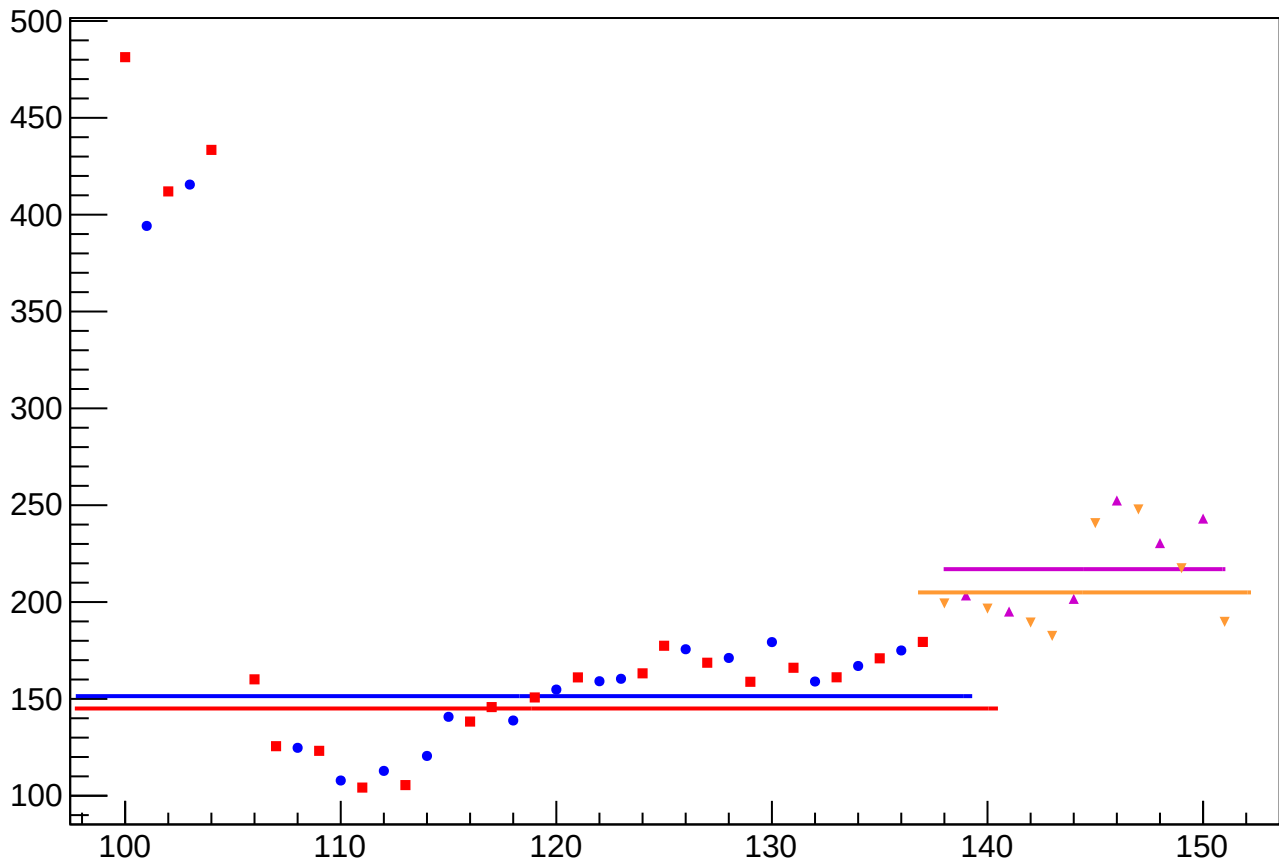
Right Out: 147709.096+/-0.058 χ^2/NDF : 203924272.1/19

Left In: 149764.521+/-0.099 χ^2/NDF : 179032350.0/5

148085.325+/-0.051 χ^2/NDF : 776185350.6/24

148232.946+/-0.050 χ^2/NDF : 701555178.9/25

yield_bpm1i06WS_rms vs Slug



Right In: 151.424+/-0.044 χ^2/NDF : 1257843.0/16

Left Out: 204.971+/-0.061 χ^2/NDF :124977.6/7

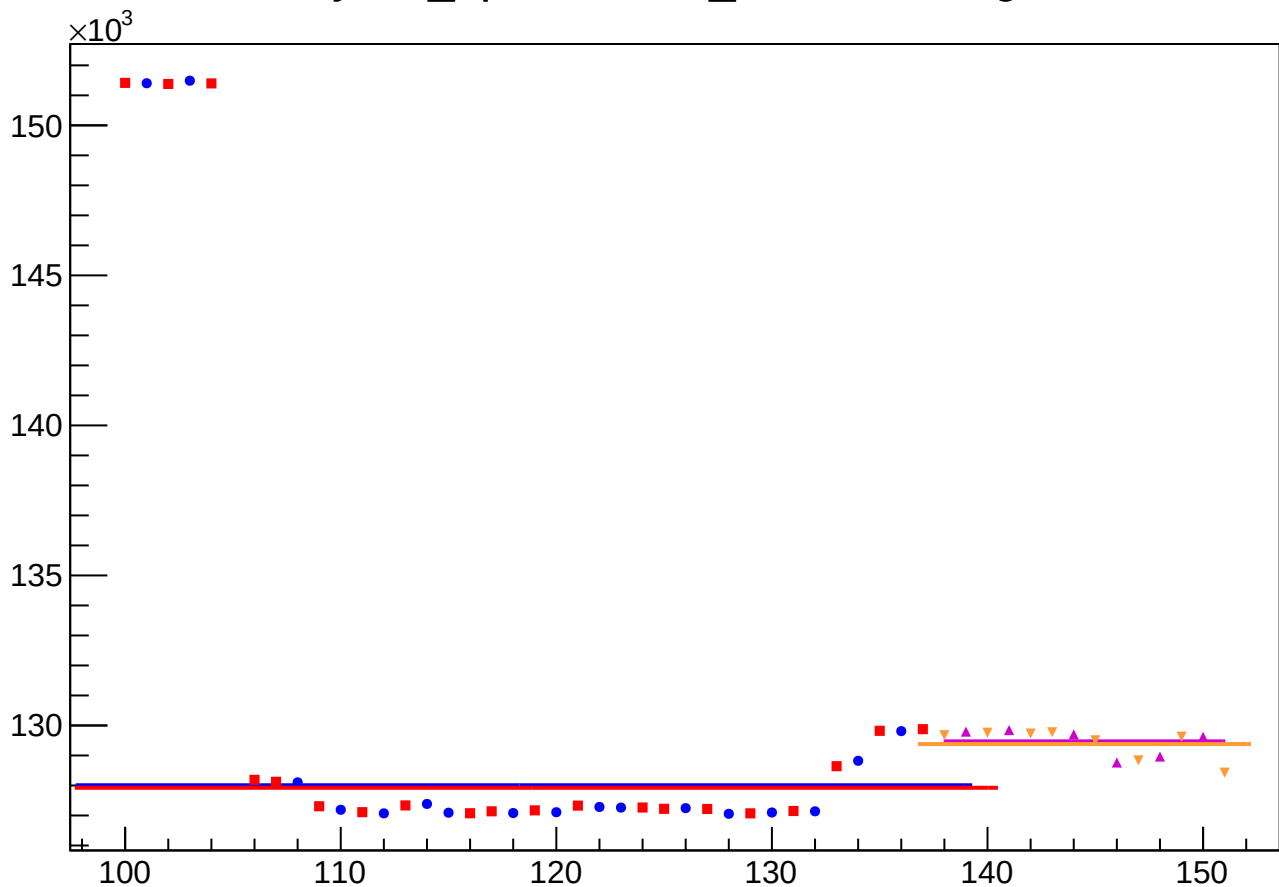
169.798+/-0.036 χ^2/NDF : 1886816.0/24

Right Out: 145.044+/-0.041 χ^2/NDF : 1375974.1/19

163.379+/-0.035 χ^2/NDF : 2249891.9/25

Left In: 216.984+/-0.070 χ^2/NDF :93360.5/5

yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16

Left Out: 129380.139 $\pm$ 0.071 χ^2 /NDF: 49540162.7/7

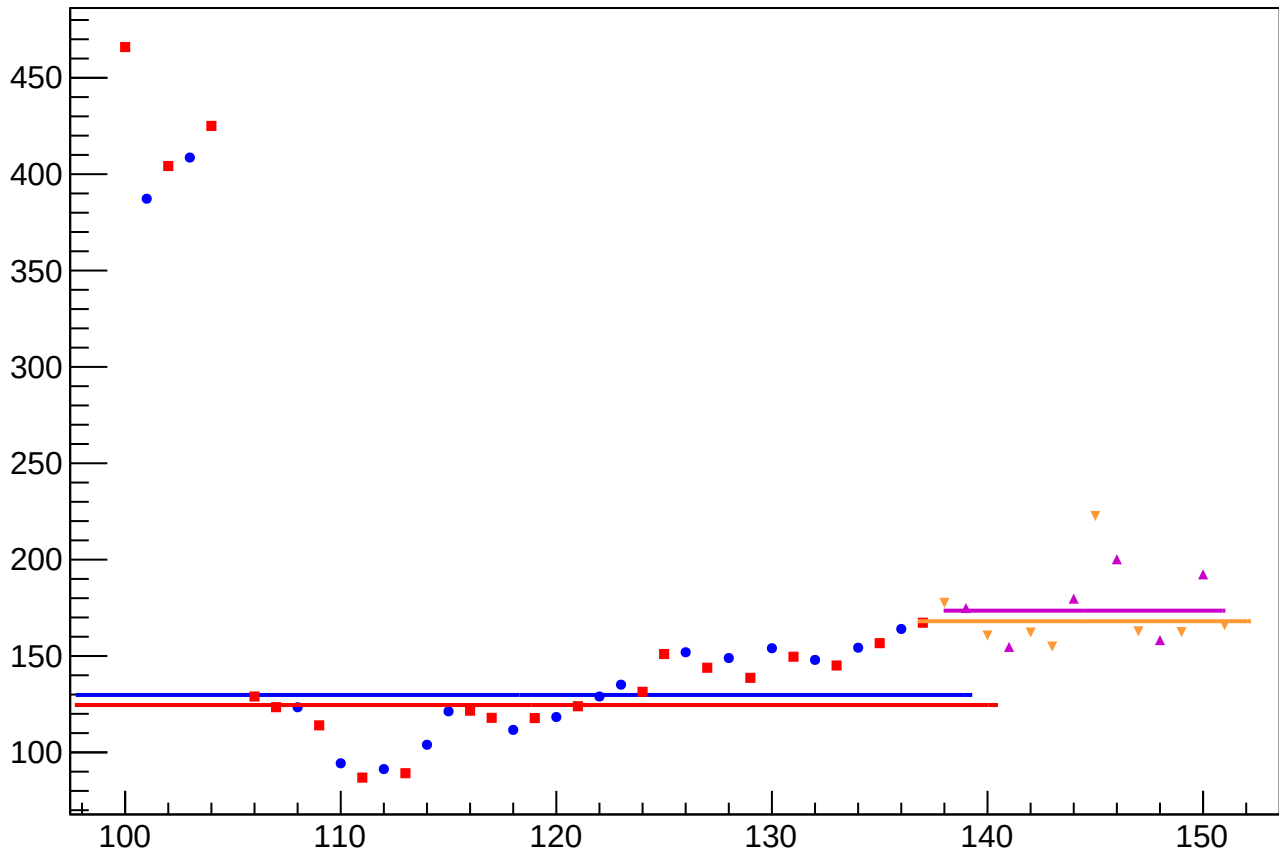
Right Out: 127923.940 $\pm$ 0.050 χ^2 /NDF: 3770107280.1/19

Left In: 129470.269 $\pm$ 0.080 χ^2 /NDF: 27117929.8/5

128514.428 $\pm$ 0.043 χ^2 /NDF: 4606948329.2/24

128364.294 $\pm$ 0.042 χ^2 /NDF: 4067608564.1/25

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 $\pm$ 0.038 χ^2 /NDF: 1485294.2/16

Left Out: 168.053 $\pm$ 0.050 χ^2 /NDF:113768.5/7

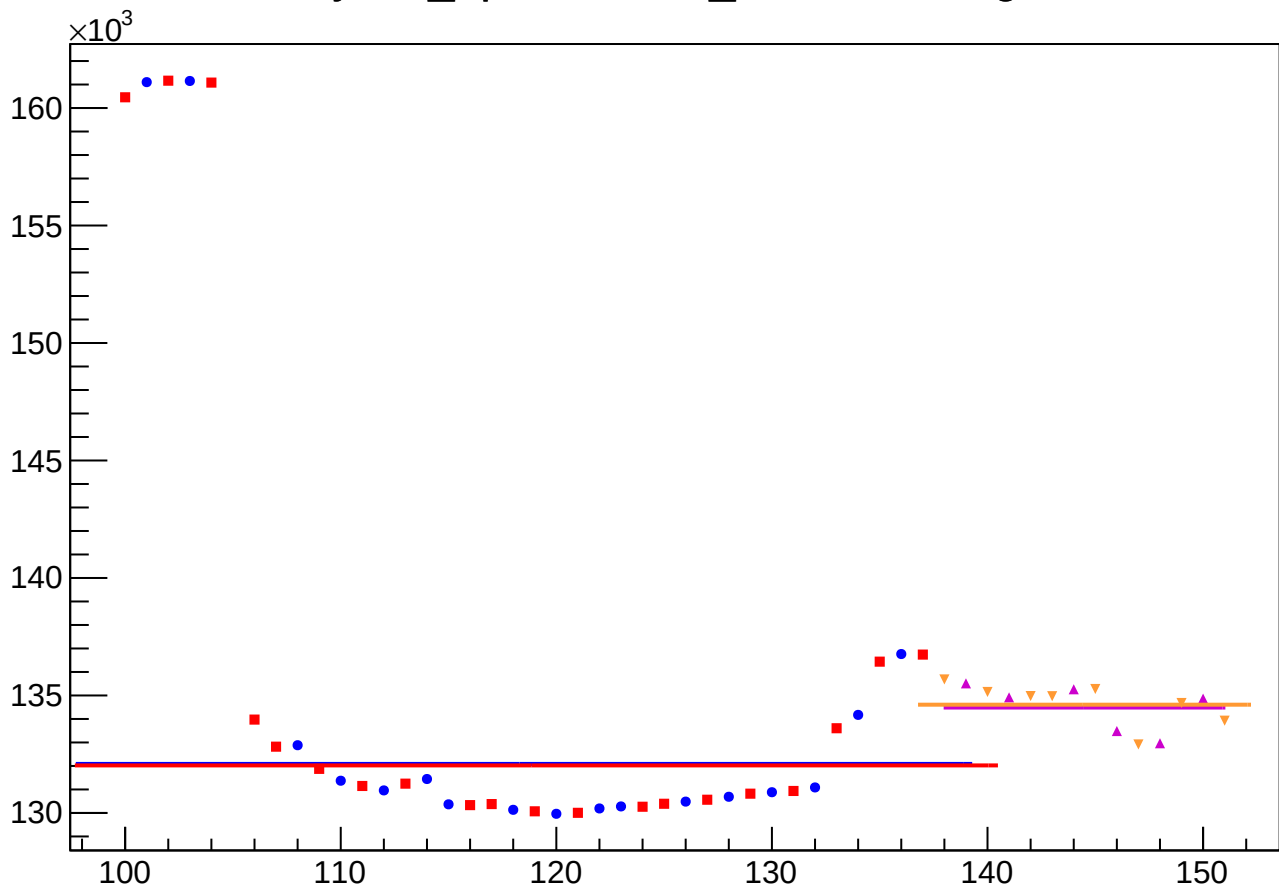
143.927 $\pm$ 0.030 χ^2 /NDF: 1968161.8/24

Right Out: 124.572 $\pm$ 0.035 χ^2 /NDF: 1532105.0/19

138.512 $\pm$ 0.030 χ^2 /NDF: 2160017.4/25

Left In: 173.524 $\pm$ 0.056 χ^2 /NDF:85986.7/5

yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16

Left Out: 134607.586 $\pm$ 0.074 χ^2 /NDF:133641143.1/7

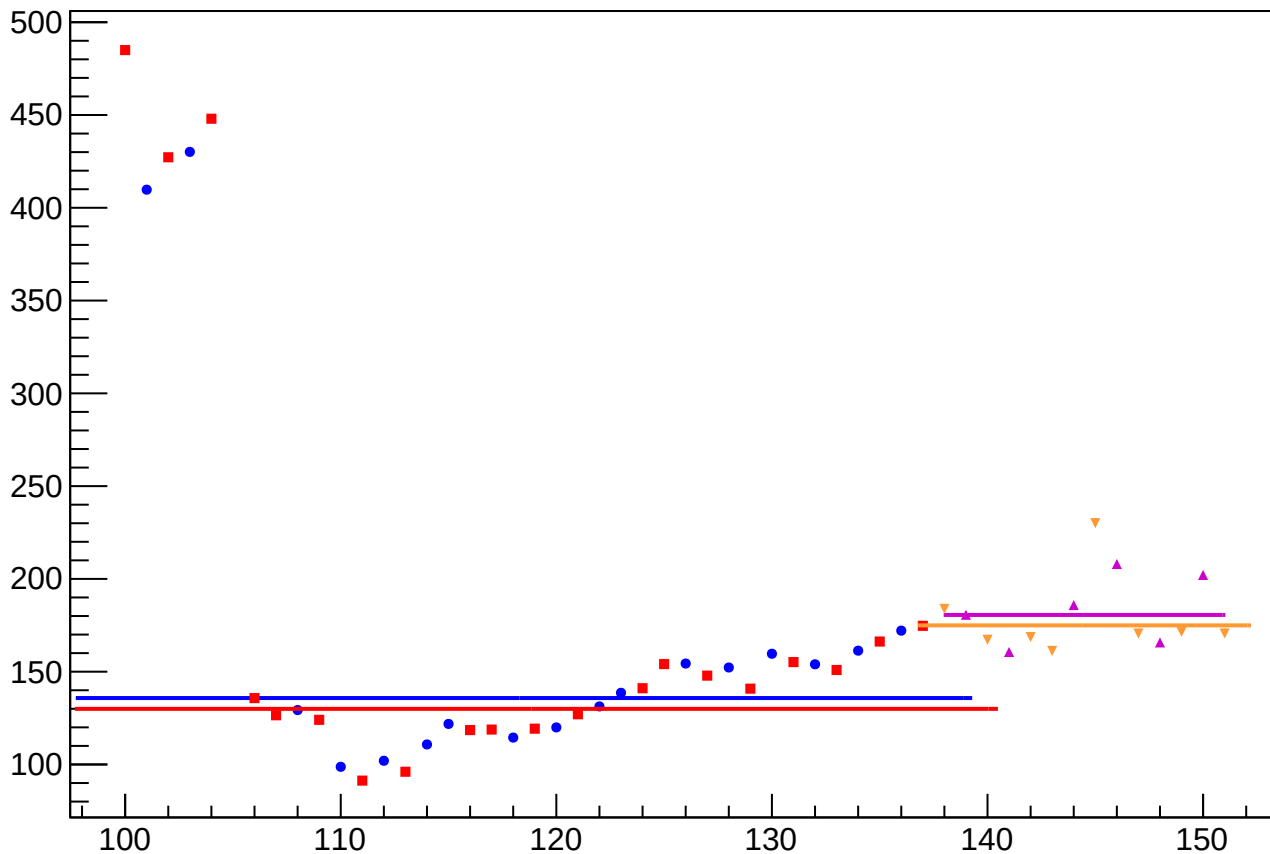
Right Out: 132023.609 $\pm$ 0.052 χ^2 /NDF: 5890492527.2/19

Left In: 134486.057 $\pm$ 0.083 χ^2 /NDF:131390384.5/5

133021.994 $\pm$ 0.045 χ^2 /NDF: 7604703369.2/24

132726.299 $\pm$ 0.044 χ^2 /NDF: 6654270855.3/25

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 $\pm$ 0.040 χ^2 /NDF: 1441904.9/16

Left Out: 174.960 $\pm$ 0.052 χ^2 /NDF:107897.4/7

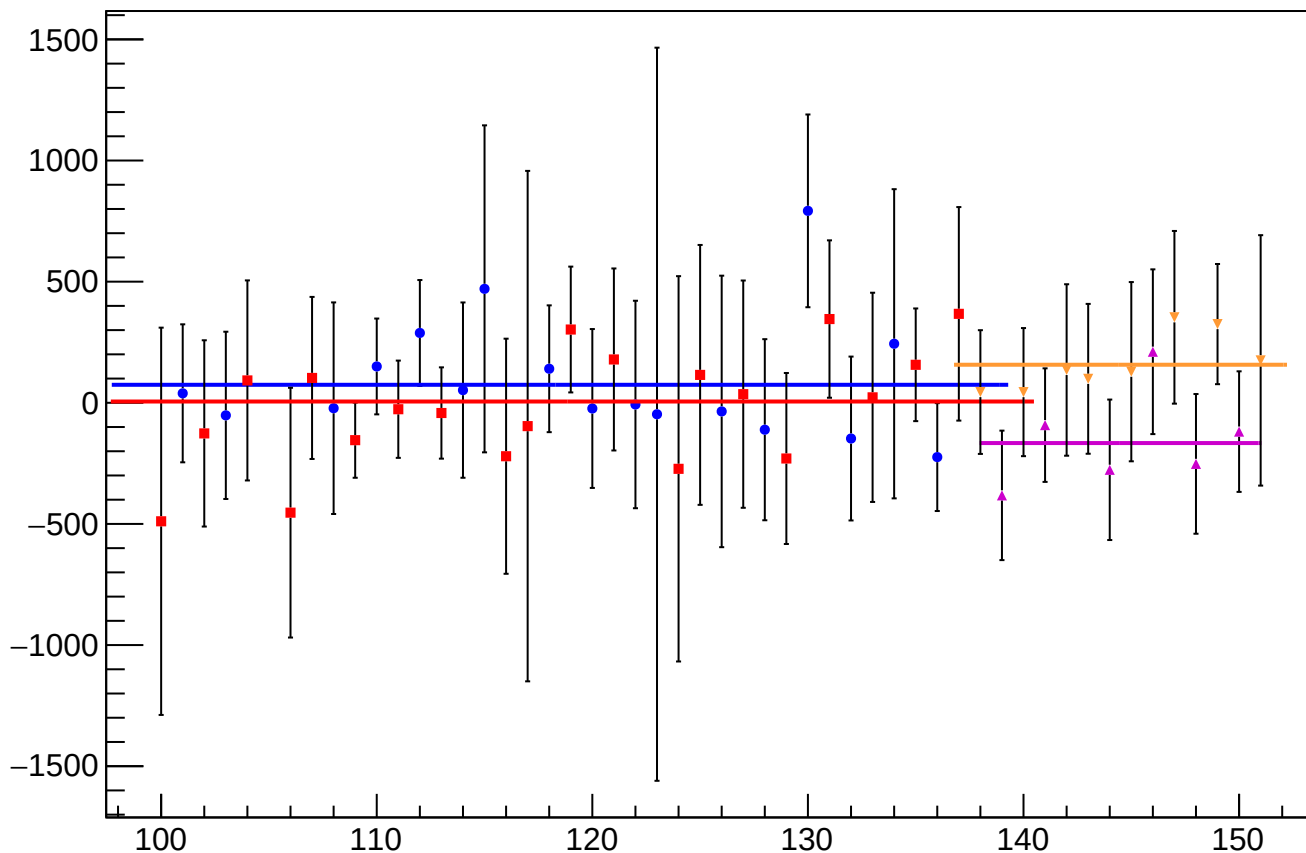
Right Out: 129.975 $\pm$ 0.037 χ^2 /NDF: 1504768.0/19

Left In: 180.580 $\pm$ 0.059 χ^2 /NDF:86777.9/5

150.326 $\pm$ 0.032 χ^2 /NDF: 1905993.3/24

144.416 $\pm$ 0.031 χ^2 /NDF: 2125689.4/25

asym_bcm_an_ds_mean vs Slug



Right In: 74.294+/-79.018 χ^2/NDF : 7.7/16

Left Out: 157.078+/-109.594 χ^2/NDF : 1.2/7

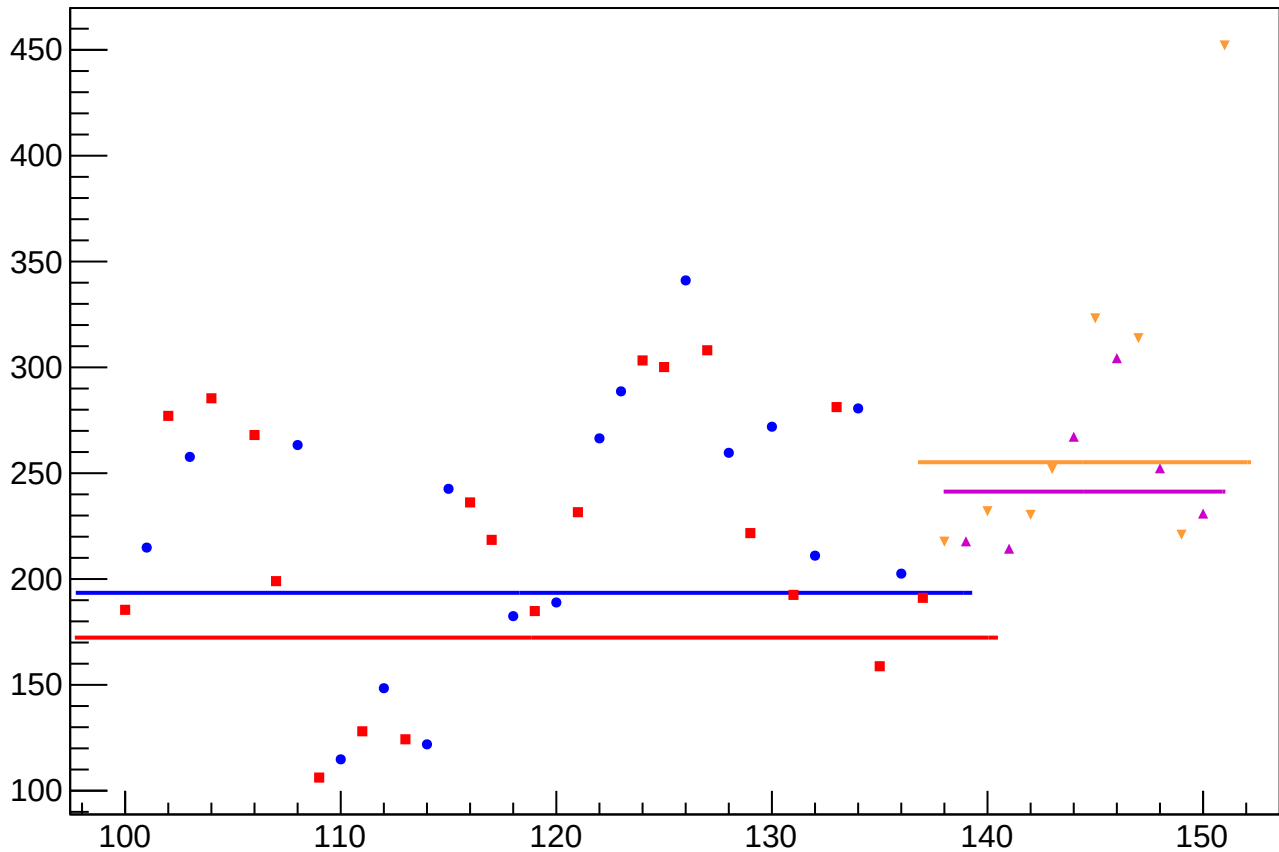
Right Out: 5.290+/-69.914 χ^2/NDF : 7.1/19

Left In: -166.192+/-111.151 χ^2/NDF : 2.3/5

102.610+/-64.095 χ^2/NDF : 9.2/24

-43.323+/-59.180 χ^2/NDF : 11.1/25

asym_bcm_an_ds_rms vs Slug



Right In: 193.488+/-0.056 χ^2/NDF : 1017195.7/16

Left Out: 255.186+/-0.077 χ^2/NDF : 518640.7/7

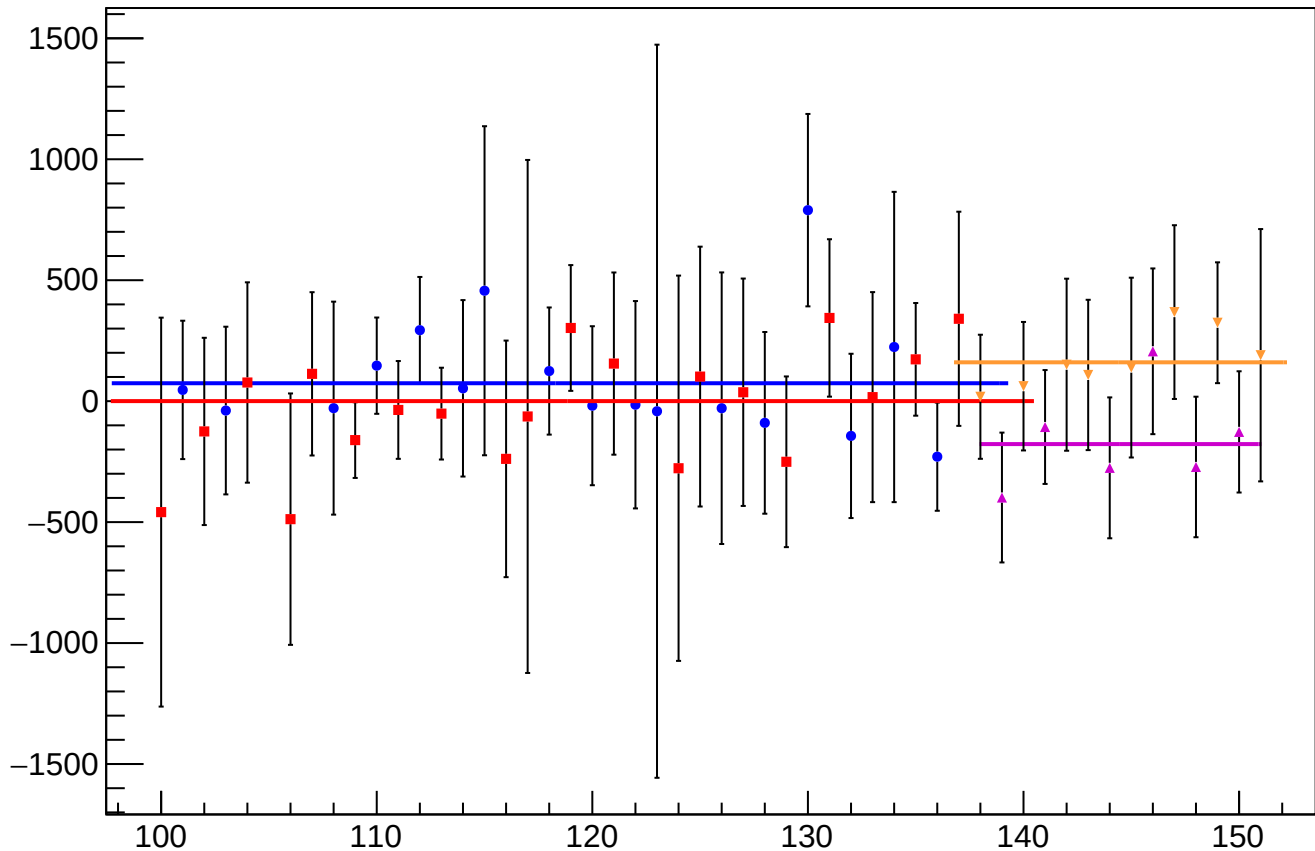
214.591+/-0.045 χ^2/NDF : 1952889.3/24

Right Out: 172.327+/-0.049 χ^2/NDF : 1583701.4/19

191.881+/-0.042 χ^2/NDF : 2268664.8/25

Left In: 241.304+/-0.079 χ^2/NDF : 133095.4/5

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098 ± 79.404 χ^2/NDF : 7.6/16

Left Out: 160.565 ± 110.196 χ^2/NDF : 1.2/7

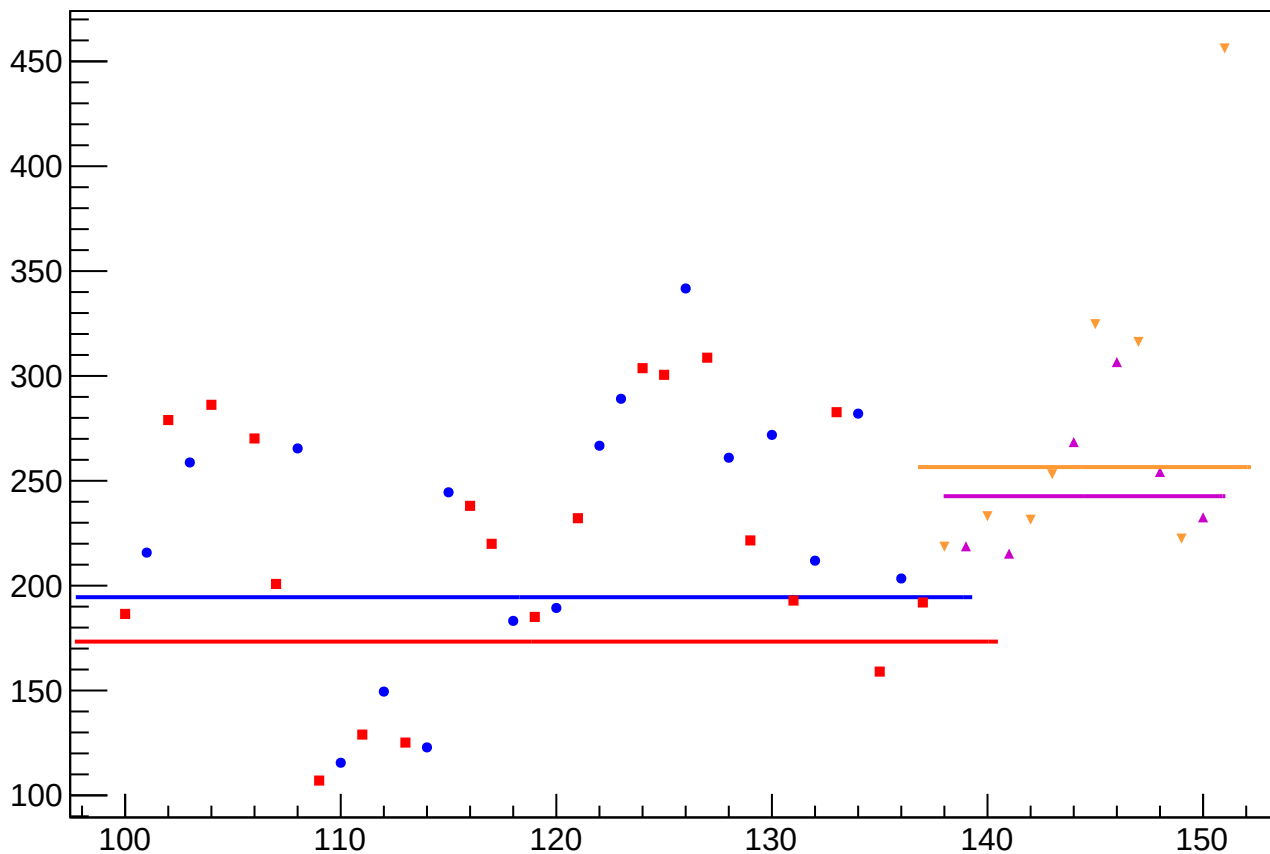
Right Out: 0.223 ± 70.282 χ^2/NDF : 7.3/19

Left In: -177.436 ± 111.787 χ^2/NDF : 2.3/5

103.649 ± 64.422 χ^2/NDF : 9.2/24

-50.108 ± 59.499 χ^2/NDF : 11.4/25

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496+/-0.056 χ^2/NDF : 1008514.7/16

Left Out: 256.538+/-0.078 χ^2/NDF : 522350.7/7

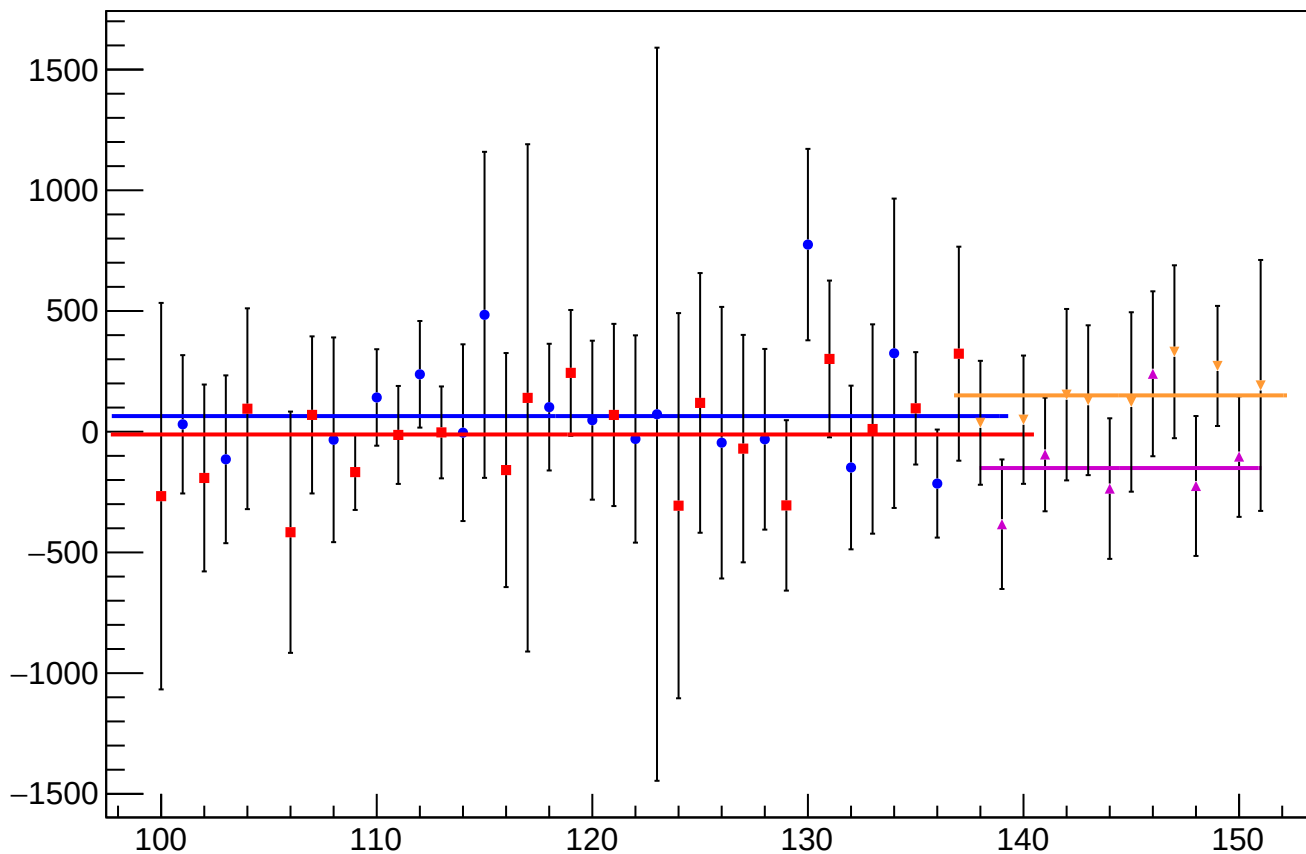
Right Out: 173.317+/-0.050 χ^2/NDF : 1571258.4/19

Left In: 242.657+/-0.079 χ^2/NDF : 134764.3/5

215.700+/-0.046 χ^2/NDF : 1948164.4/24

192.961+/-0.042 χ^2/NDF : 2257532.5/25

asym_bcm_an_us_mean vs Slug



Right In: 64.733 $\pm$ 79.399 χ^2/NDF : 7.0/16

Left Out: 150.488 $\pm$ 110.051 χ^2/NDF : 0.9/7

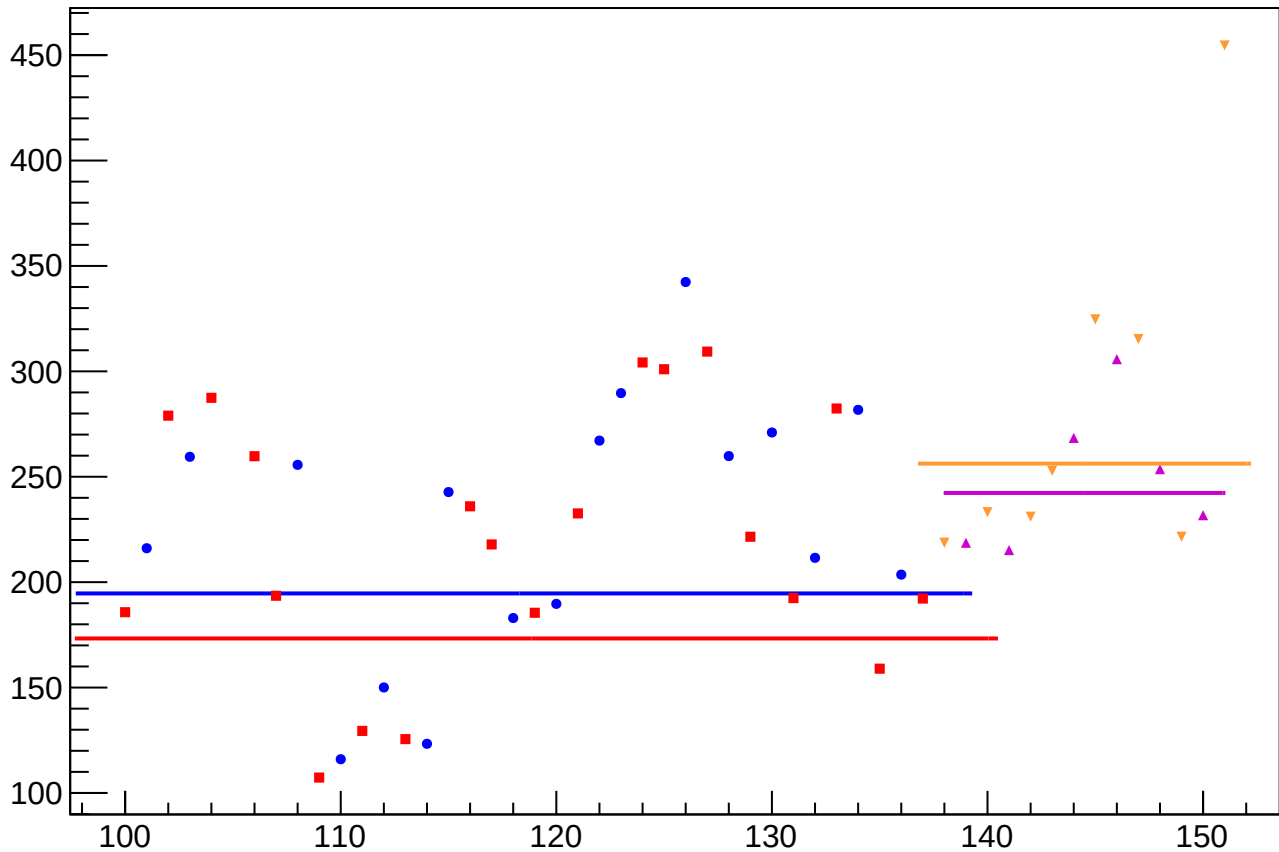
Right Out: -11.414 $\pm$ 70.204 χ^2/NDF : 5.8/19

Left In: -150.466 $\pm$ 111.618 χ^2/NDF : 2.3/5

94.089 $\pm$ 64.390 χ^2/NDF : 8.3/24

-50.830 $\pm$ 59.426 χ^2/NDF : 9.2/25

asym_bcm_an_us_rms vs Slug



Right In: 194.652 $\pm$ 0.056 χ^2 /NDF: 986798.9/16

Left Out: 256.227 $\pm$ 0.078 χ^2 /NDF: 520529.8/7

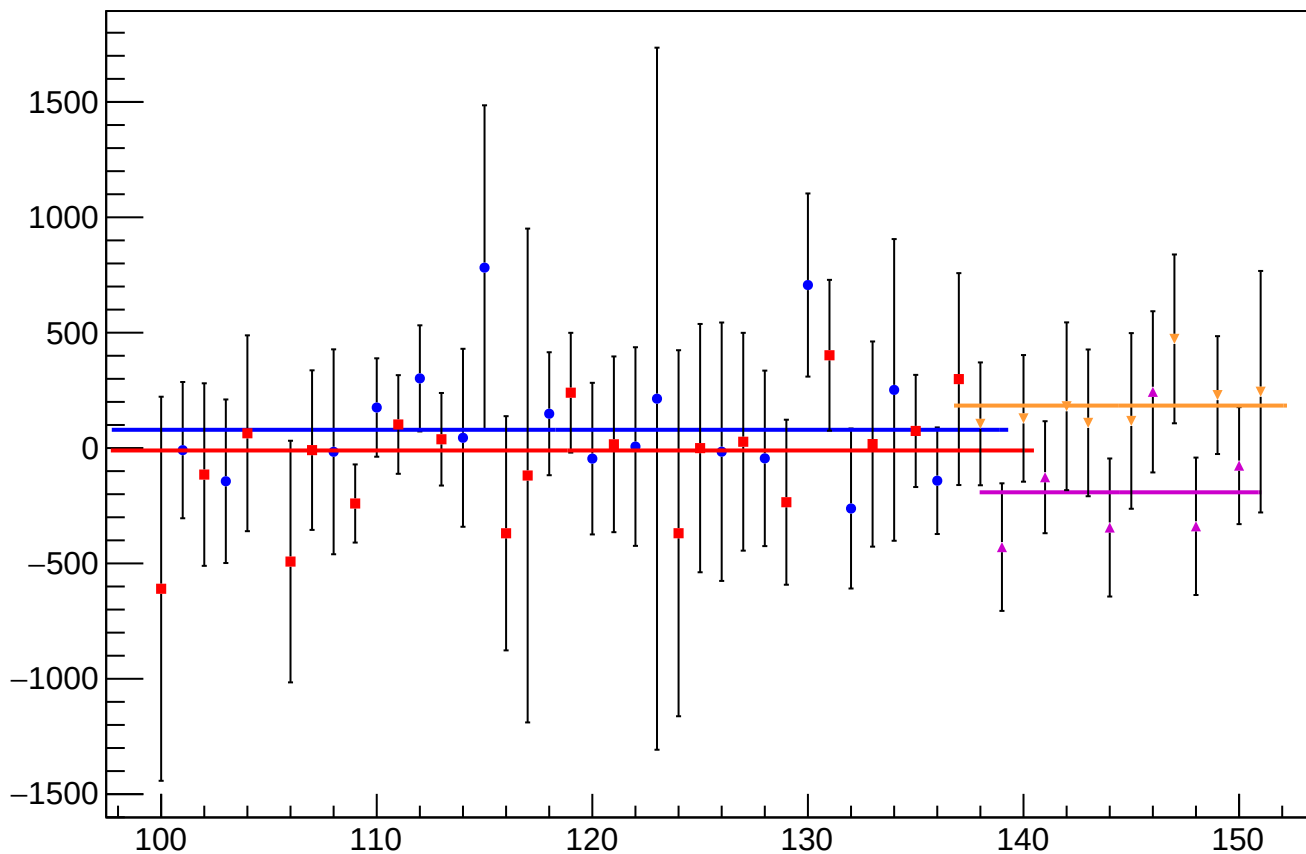
215.731 $\pm$ 0.046 χ^2 /NDF: 1919106.7/24

Right Out: 173.289 $\pm$ 0.050 χ^2 /NDF: 1548162.6/19

192.854 $\pm$ 0.042 χ^2 /NDF: 2229954.9/25

Left In: 242.313 $\pm$ 0.079 χ^2 /NDF: 133771.7/5

asym_bcm_dg_us_mean vs Slug



Right In: 79.128 ± 81.874 $\chi^2/\text{NDF}: 7.5/16$

Left Out: 184.074 ± 113.085 $\chi^2/\text{NDF}: 0.9/7$

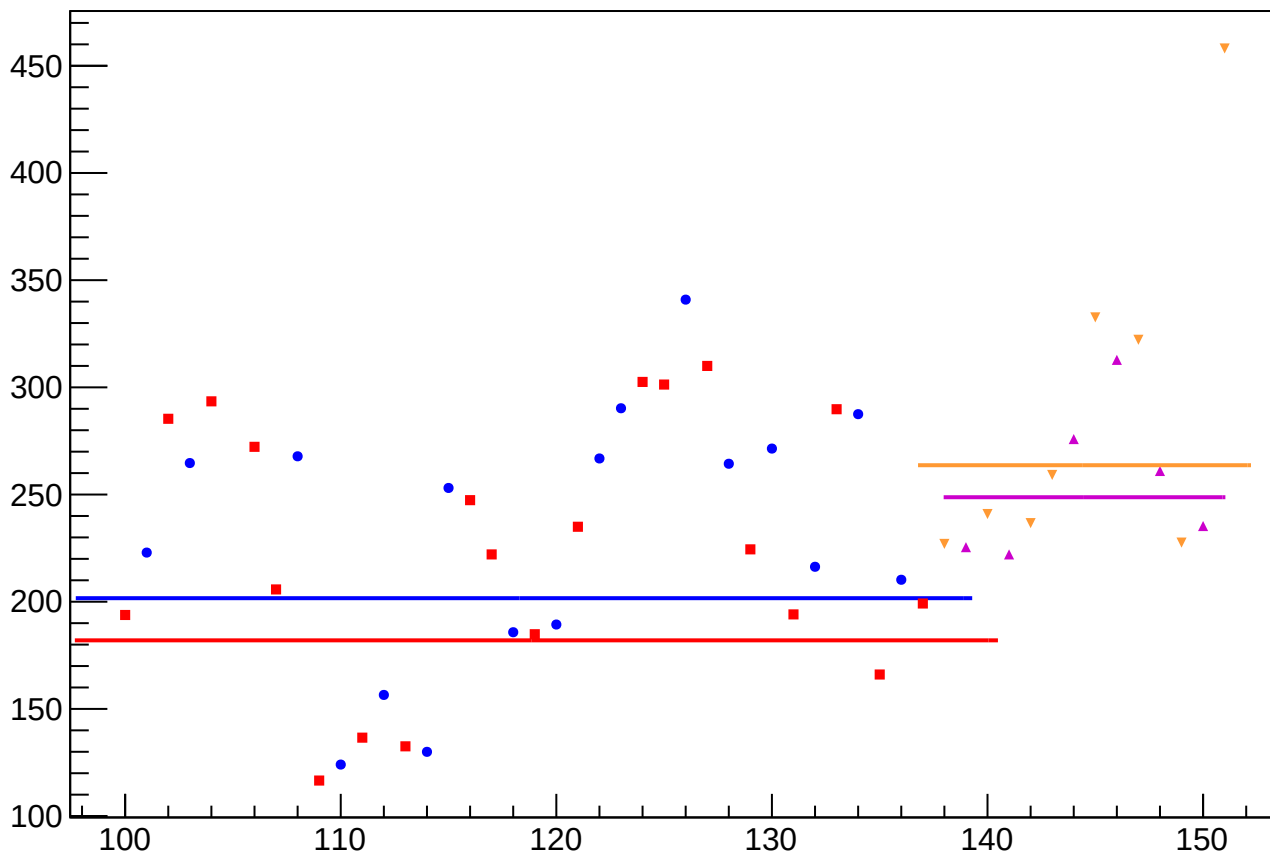
Right Out: -10.491 ± 73.139 $\chi^2/\text{NDF}: 7.9/19$

Left In: -191.742 ± 114.510 $\chi^2/\text{NDF}: 3.1/5$

115.221 ± 66.318 $\chi^2/\text{NDF}: 9.0/24$

-63.008 ± 61.639 $\chi^2/\text{NDF}: 12.7/25$

asym_bcm_dg_us_rms vs Slug



Right In: 201.654 $\pm$ 0.058 χ^2 /NDF: 883179.7/16

Left Out: 263.678 $\pm$ 0.080 χ^2 /NDF:495956.6/7

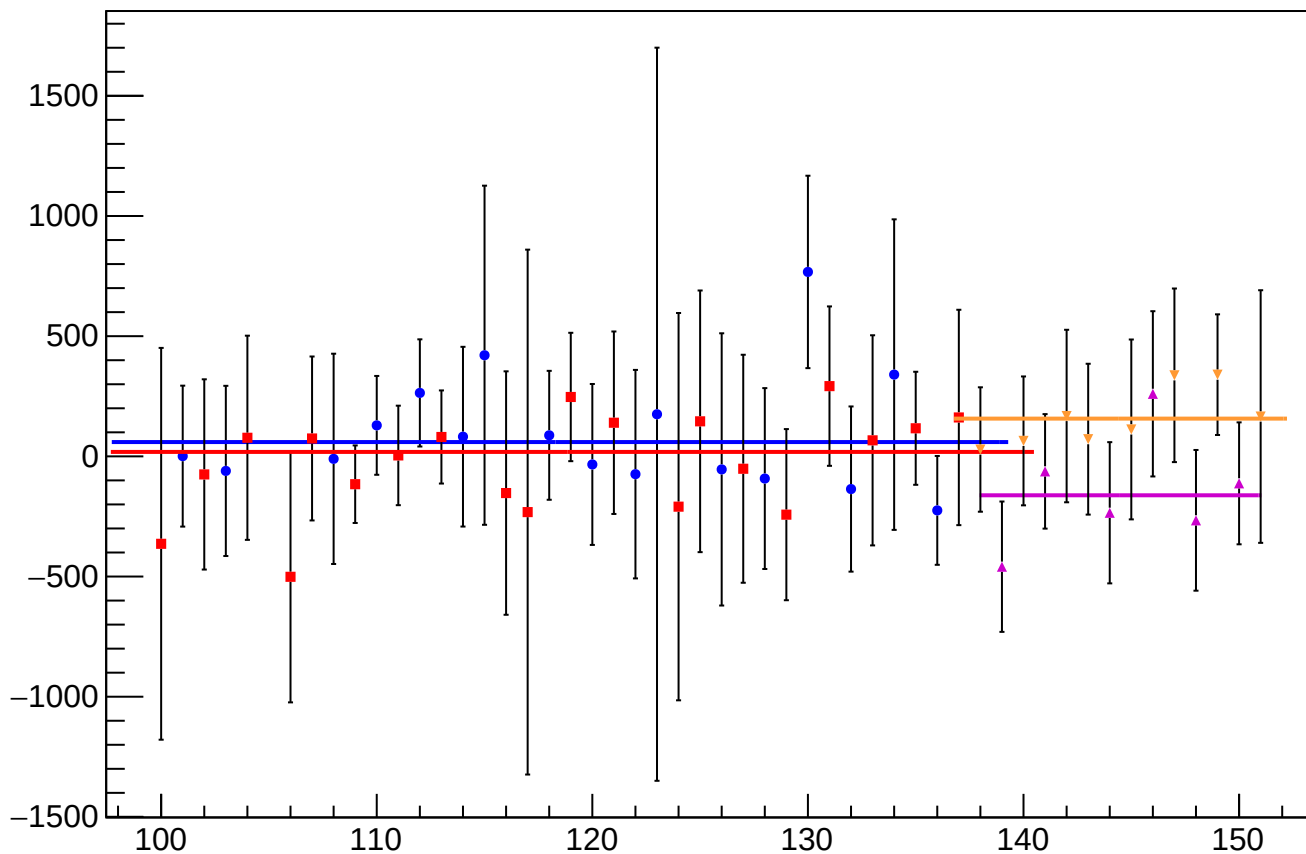
Right Out: 181.986 $\pm$ 0.052 χ^2 /NDF: 1380269.0/19

Left In: 248.746 $\pm$ 0.081 χ^2 /NDF:131108.5/5

222.985 $\pm$ 0.047 χ^2 /NDF: 1773868.6/24

201.329 $\pm$ 0.044 χ^2 /NDF: 1994213.9/25

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496 ± 80.808 χ^2/NDF : 7.0/16

Left Out: 157.034 ± 111.067 χ^2/NDF : 1.2/7

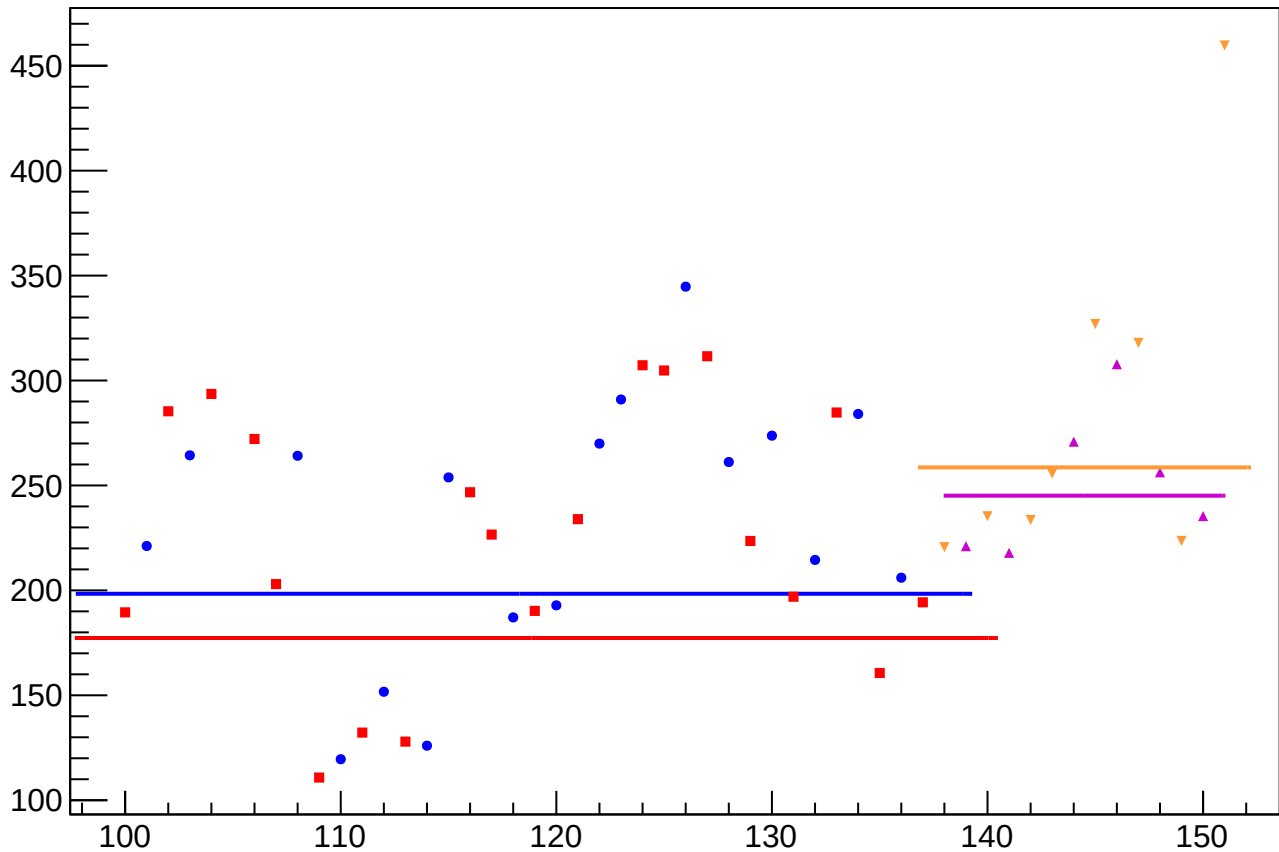
Right Out: 18.457 ± 71.711 χ^2/NDF : 4.8/19

Left In: -161.968 ± 112.873 χ^2/NDF : 3.1/5

93.256 ± 65.344 χ^2/NDF : 8.7/24

-33.427 ± 60.528 χ^2/NDF : 9.7/25

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378+/-0.057 χ^2/NDF : 963672.6/16

Left Out: 258.602+/-0.079 χ^2/NDF : 520575.6/7

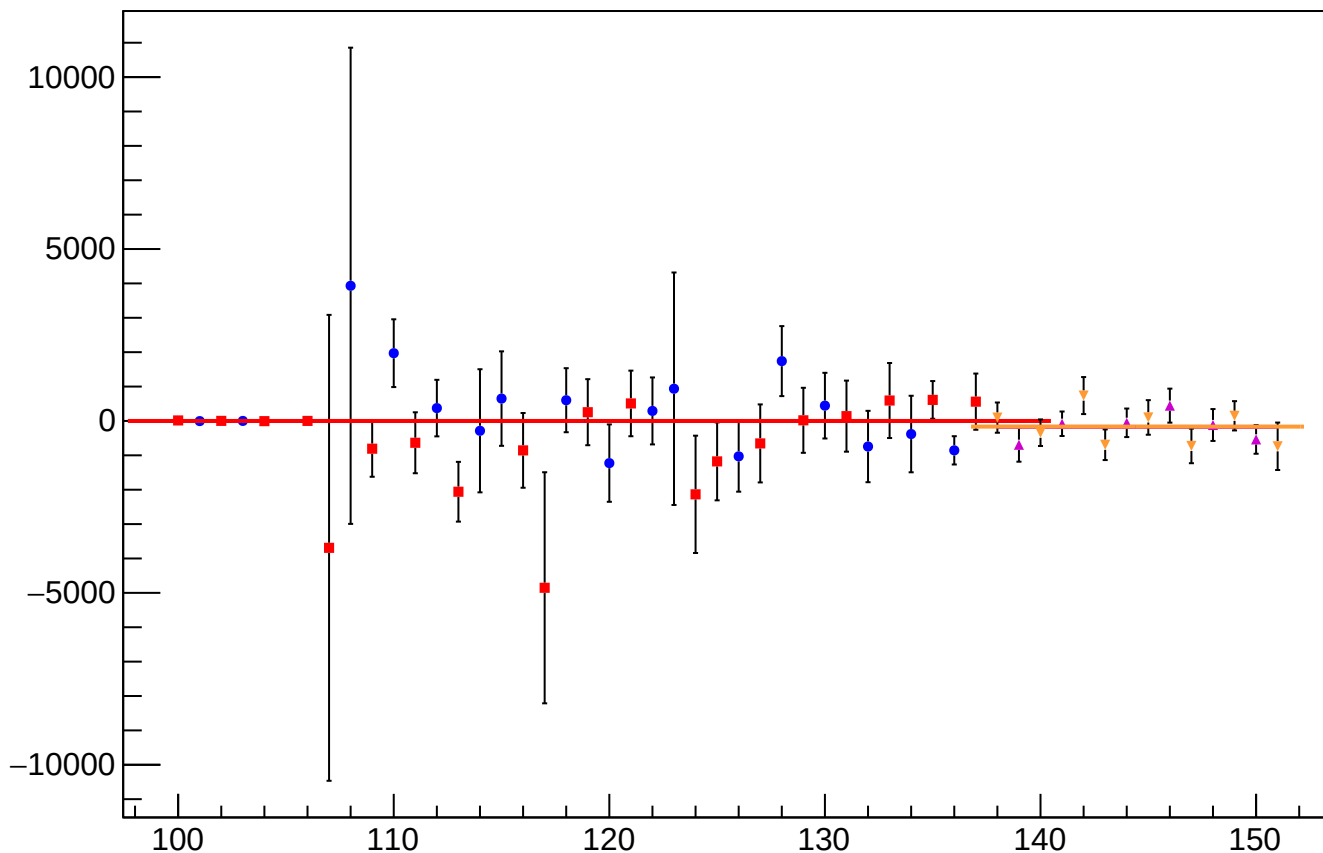
219.223+/-0.046 χ^2/NDF : 1868738.2/24

Right Out: 177.309+/-0.051 χ^2/NDF : 1528855.2/19

Left In: 245.125+/-0.080 χ^2/NDF : 129481.9/5

196.811+/-0.043 χ^2/NDF : 2172675.4/25

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -164.960 ± 166.965 χ^2/NDF : 7.5/7

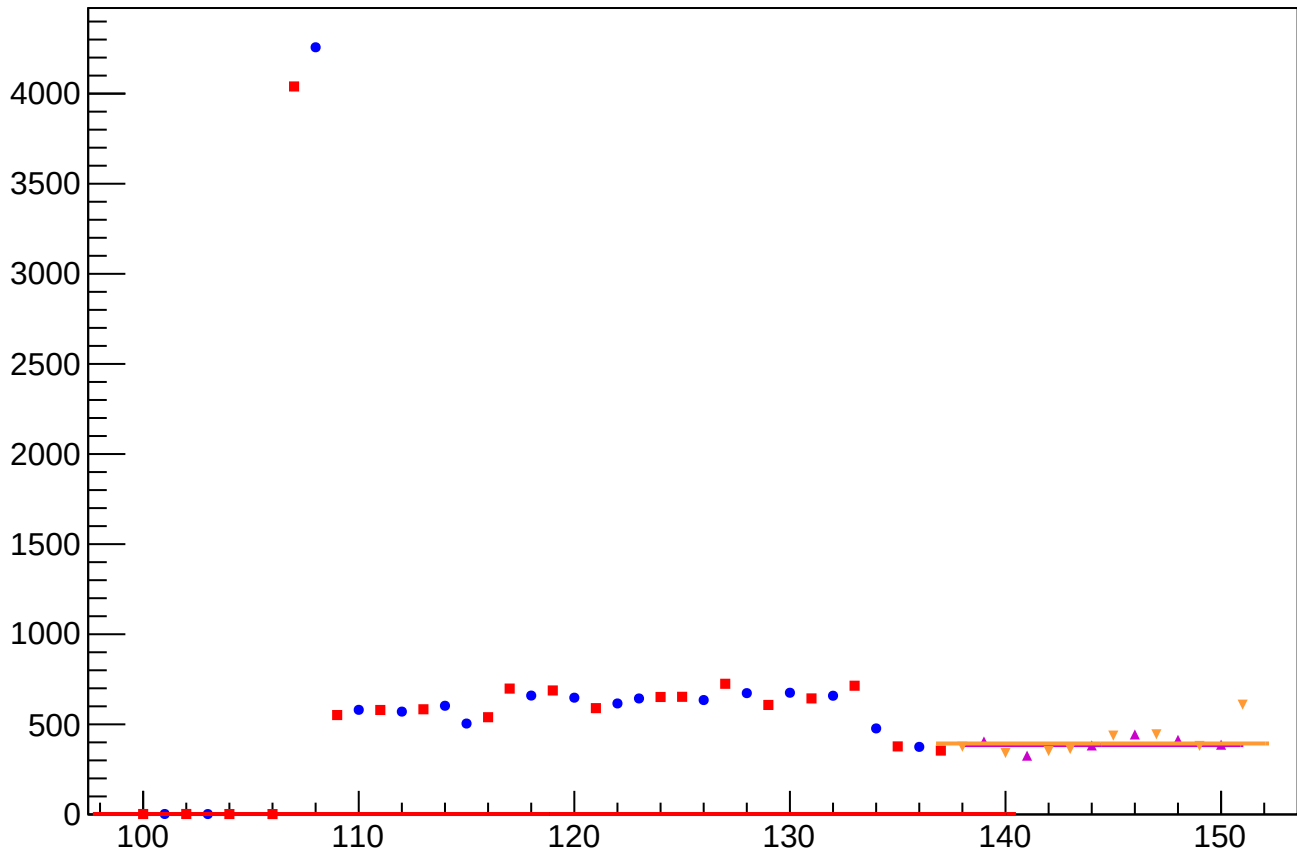
Right Out: -0.728 ± 2.111 χ^2/NDF : 21.4/19

Left In: -173.828 ± 175.961 χ^2/NDF : 3.6/5

-1.559 ± 2.251 χ^2/NDF : 25.4/24

-0.753 ± 2.111 χ^2/NDF : 26.0/25

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 393.831+/-0.118 χ^2/NDF : 295335.8/7

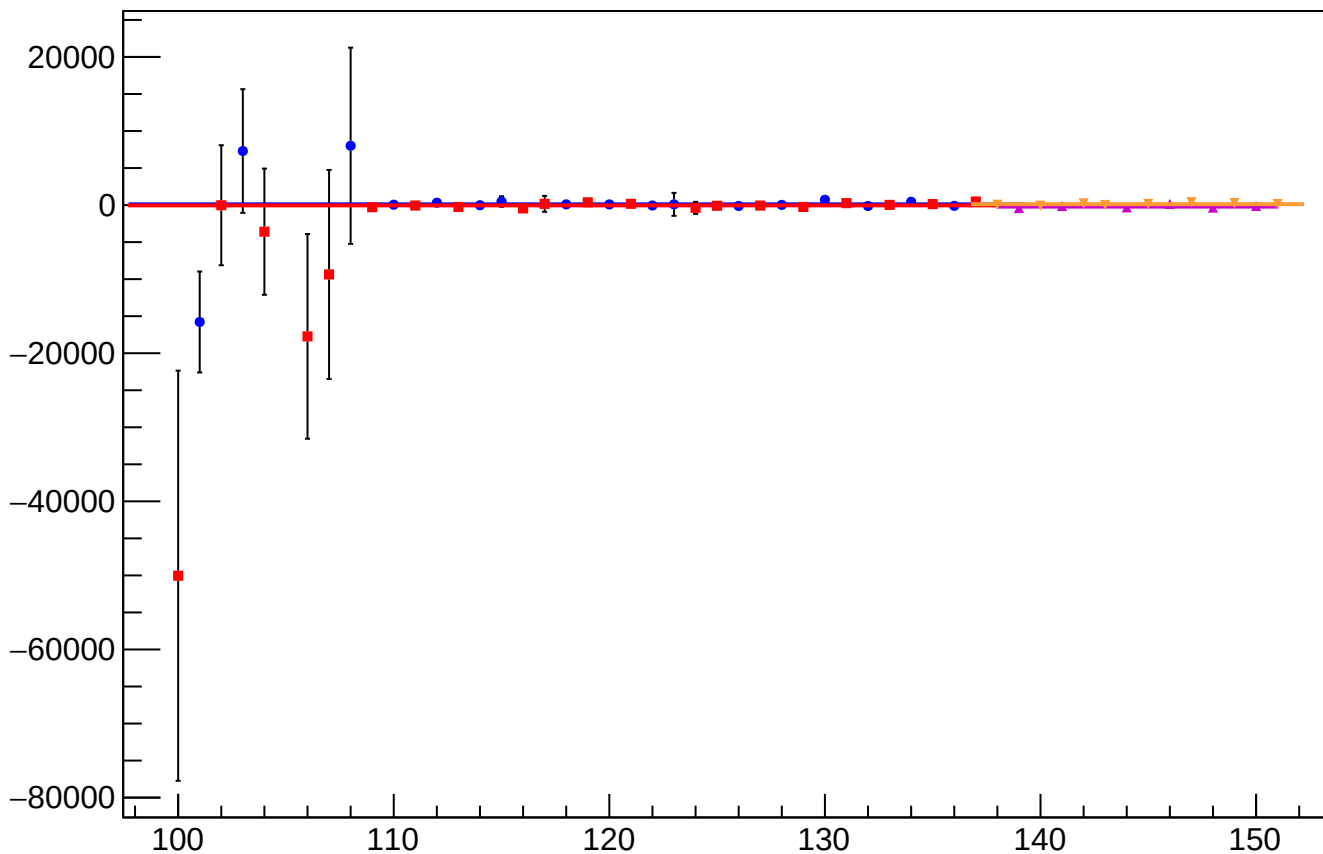
2.528+/-0.002 χ^2/NDF : 22130298.0/24

Right Out: 2.437+/-0.001 χ^2/NDF : 11233207.9/19

2.492+/-0.001 χ^2/NDF : 20775453.0/25

Left In: 384.917+/-0.124 χ^2/NDF : 93972.6/5

asym_cav4cQ_mean vs Slug



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: 122.213+/-116.616 χ^2/NDF : 1.6/7

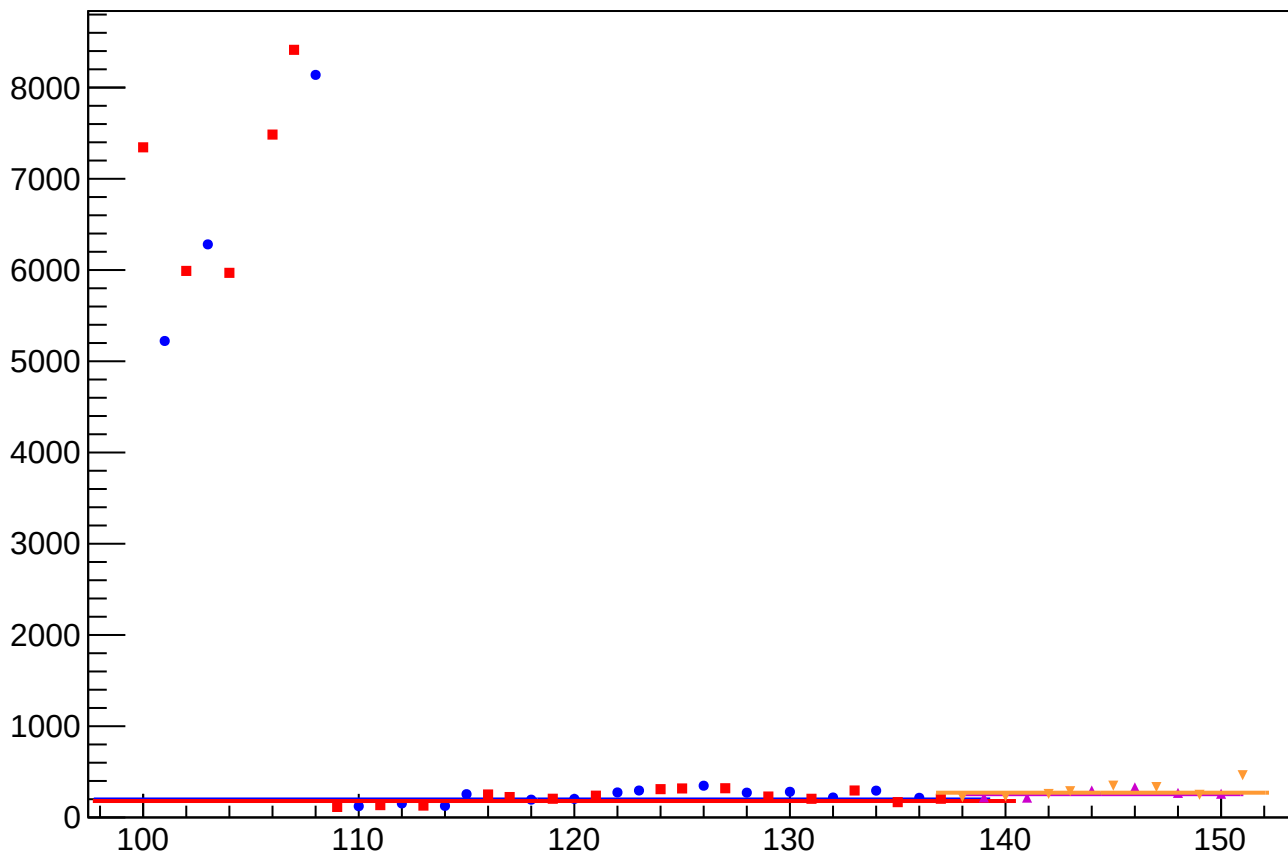
Right Out: -41.024+/-84.237 χ^2/NDF : 13.9/19

Left In: -202.217+/-117.948 χ^2/NDF : 2.1/5

107.547+/-71.673 χ^2/NDF : 13.5/24

-95.471+/-68.550 χ^2/NDF : 17.3/25

asym_cav4cQ_rms vs Slug



Right In: 197.086+/-0.064 χ^2/NDF : 3693614.0/16

Left Out: 271.403+/-0.082 χ^2/NDF : 538356.9/7

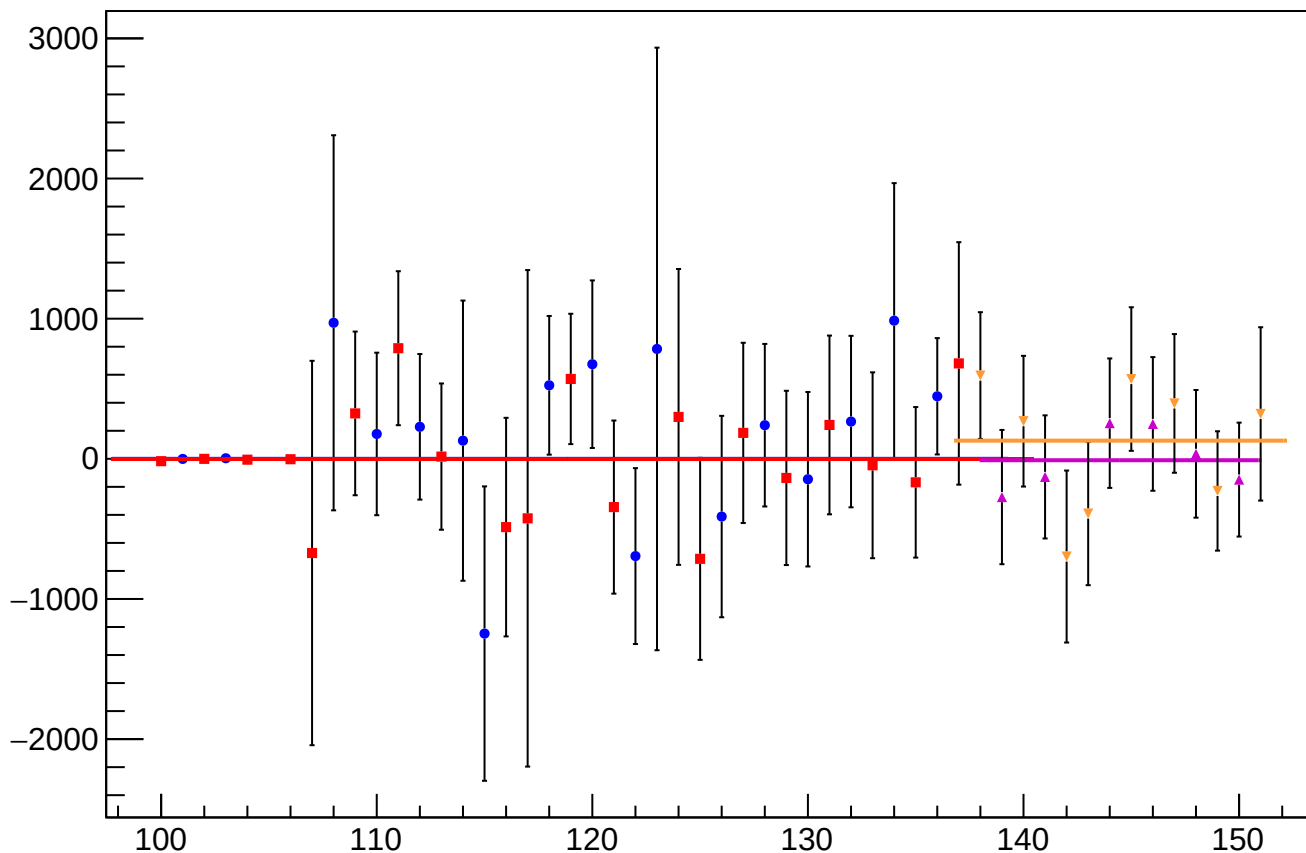
Right Out: 180.217+/-0.060 χ^2/NDF : 4324457.3/19

Left In: 255.078+/-0.083 χ^2/NDF : 205939.2/5

225.159+/-0.051 χ^2/NDF : 4737402.4/24

205.503+/-0.048 χ^2/NDF : 5063936.4/25

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: 129.755 ± 176.794 χ^2/NDF : 5.8/7

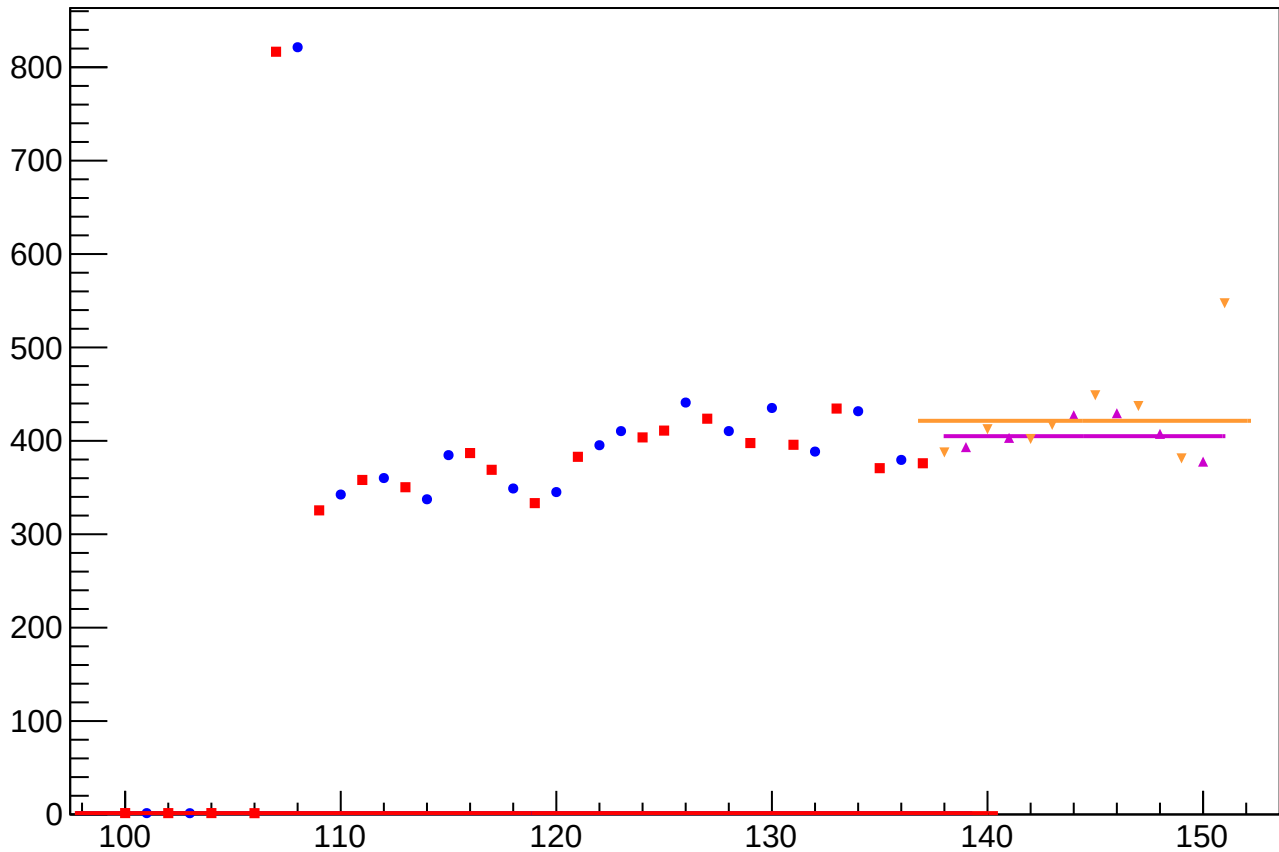
Right Out: -1.324 ± 1.623 χ^2/NDF : 9.7/19

Left In: -10.044 ± 184.107 χ^2/NDF : 1.1/5

-0.126 ± 1.737 χ^2/NDF : 16.1/24

-1.324 ± 1.622 χ^2/NDF : 10.8/25

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 421.458+/-0.125 χ^2/NDF :122498.3/7

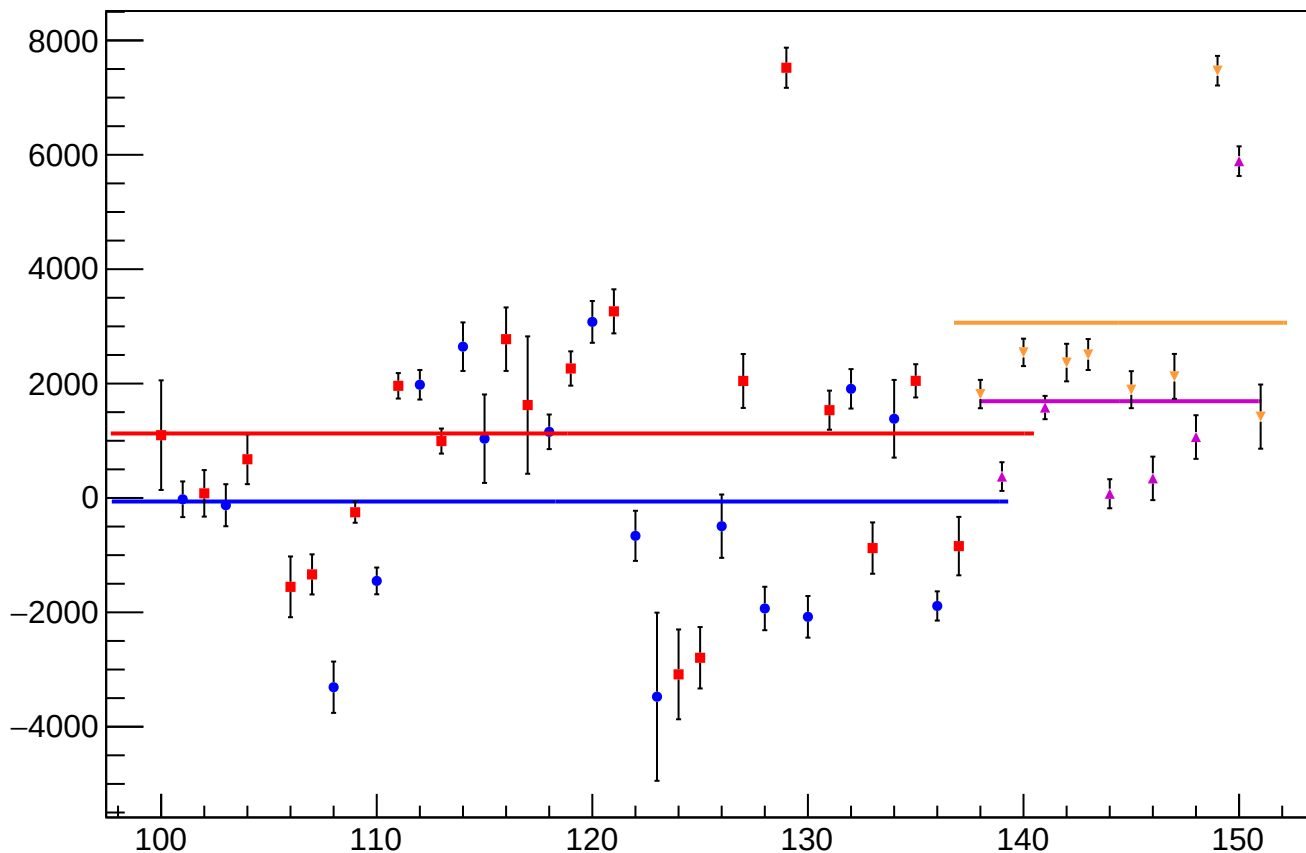
Right Out: 1.451+/-0.001 χ^2/NDF : 10966832.6/19

Left In: 405.006+/-0.130 χ^2/NDF :20279.5/5

1.493+/-0.001 χ^2/NDF : 22367036.5/24

1.483+/-0.001 χ^2/NDF : 20595776.9/25

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 $\chi^2/\text{NDF}: 433.9/16$

Left Out: 3063.614 ± 104.959 $\chi^2/\text{NDF}: 356.2/7$

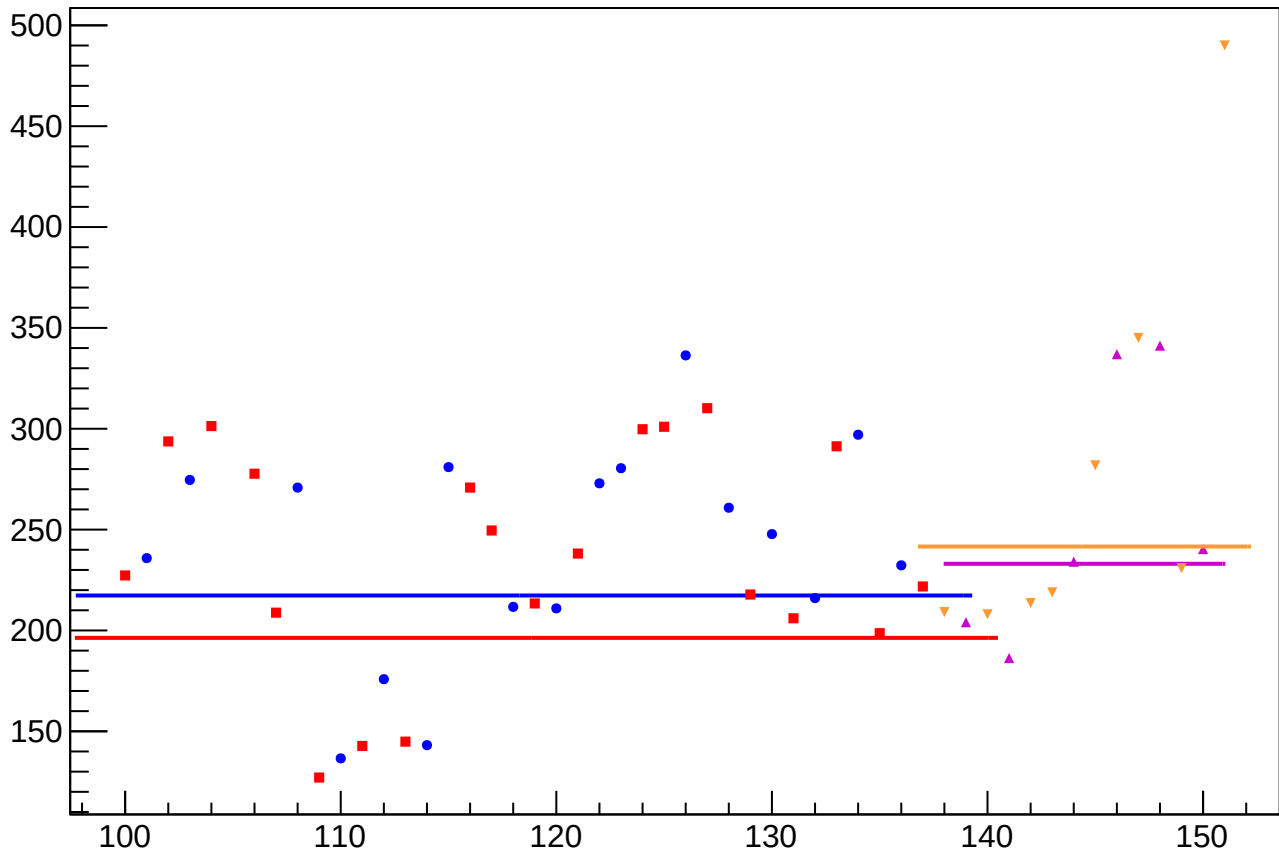
Right Out: 1127.552 ± 78.203 $\chi^2/\text{NDF}: 671.4/19$

Left In: 1691.583 ± 109.005 $\chi^2/\text{NDF}: 345.4/5$

1218.158 ± 67.174 $\chi^2/\text{NDF}: 1313.7/24$

1319.212 ± 63.542 $\chi^2/\text{NDF}: 1034.5/25$

asym_bcm0l02_rms vs Slug



Right In: 217.330+/-0.062 χ^2/NDF : 652722.5/16

Left Out: 241.610+/-0.074 χ^2/NDF : 667714.7/7

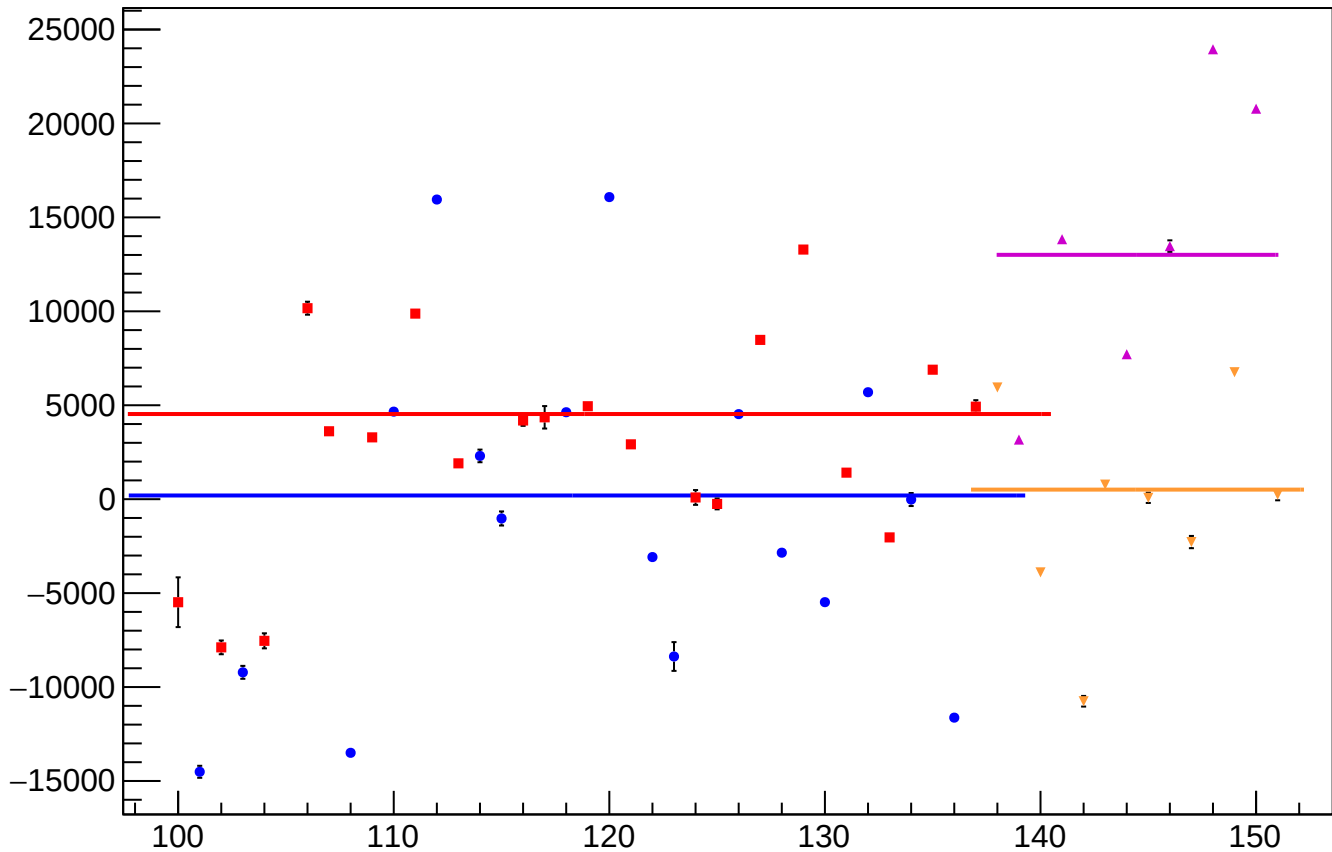
Right Out: 196.332+/-0.055 χ^2/NDF : 1194678.0/19

Left In: 233.050+/-0.077 χ^2/NDF : 443721.3/5

227.275+/-0.047 χ^2/NDF : 1383627.3/24

208.809+/-0.045 χ^2/NDF : 1788223.3/25

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 ± 54.799 χ^2/NDF : 30658.3/16

Left Out: 509.603 ± 87.518 χ^2/NDF : 3594.4/7

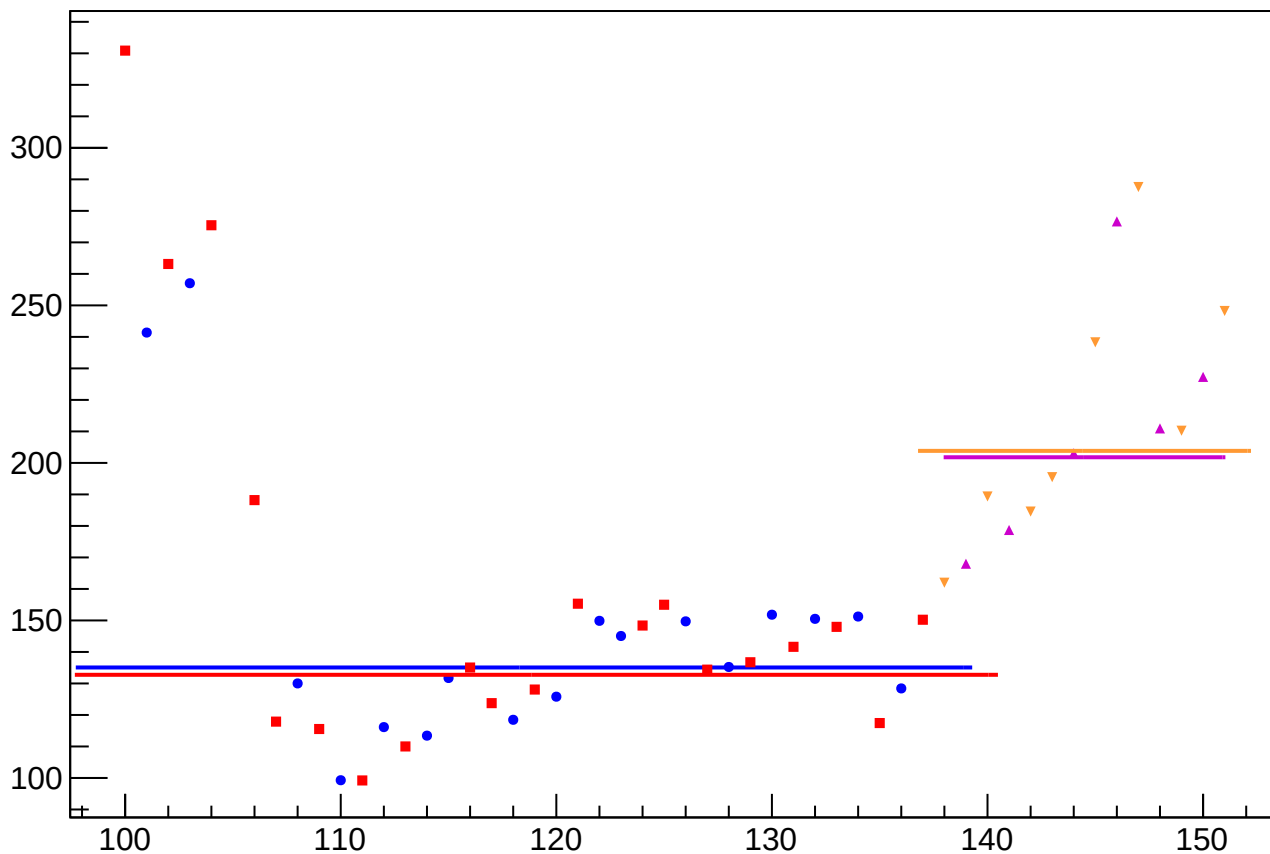
Right Out: 4532.856 ± 52.261 χ^2/NDF : 7477.3/19

Left In: 13006.402 ± 93.559 χ^2/NDF : 5882.9/5

285.046 ± 46.445 χ^2/NDF : 34261.9/24

6548.003 ± 45.626 χ^2/NDF : 19612.2/25

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 ± 0.039 χ^2/NDF : 658703.5/16

Left Out: 203.825 ± 0.062 χ^2/NDF : 326490.5/7

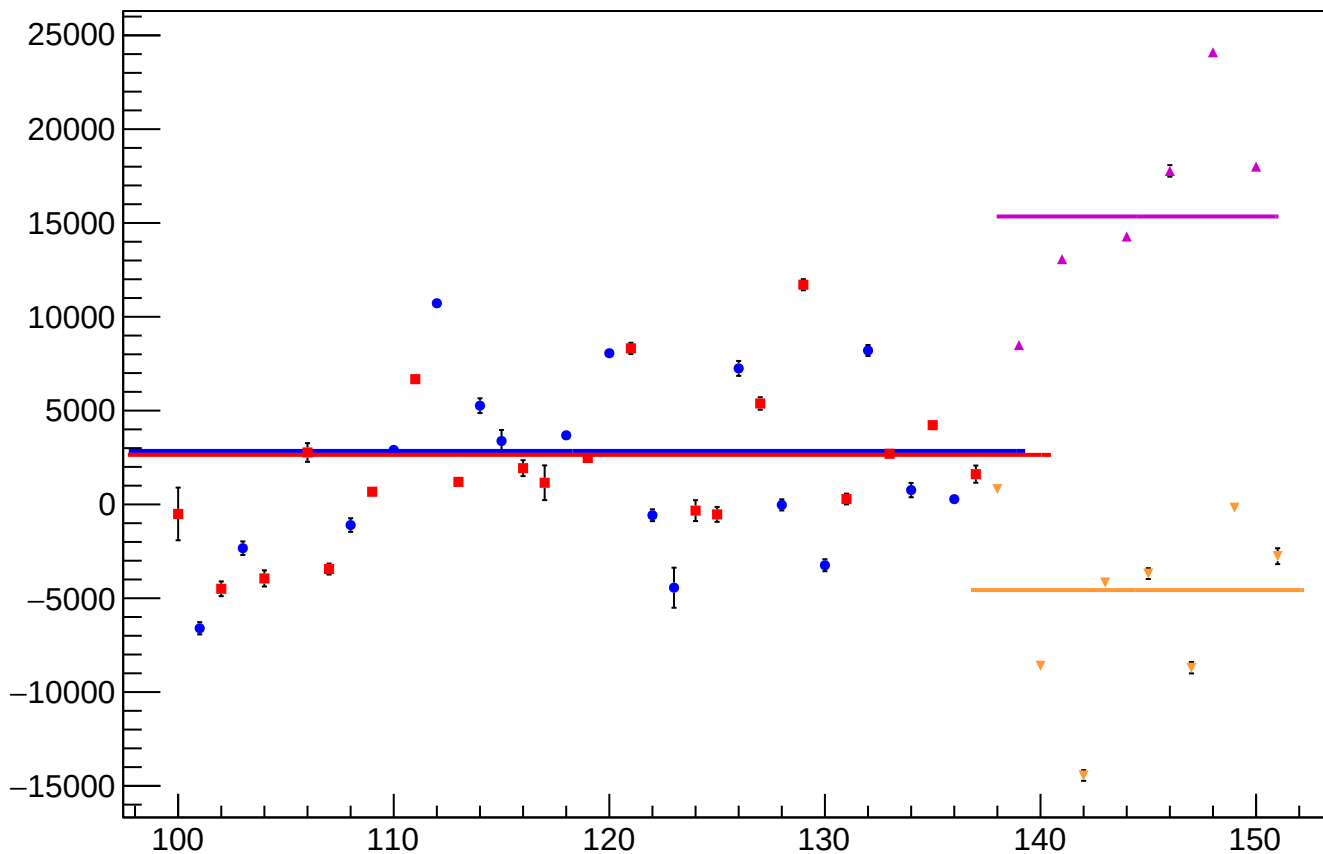
Right Out: 132.747 ± 0.037 χ^2/NDF : 831647.2/19

Left In: 201.795 ± 0.066 χ^2/NDF : 224851.8/5

154.435 ± 0.033 χ^2/NDF : 1871864.0/24

149.168 ± 0.032 χ^2/NDF : 1886758.9/25

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437 $\pm$ 70.753 χ^2 /NDF: 4178.1/16

Left Out: -4564.528 $\pm$ 89.610 χ^2 /NDF:2863.8/7

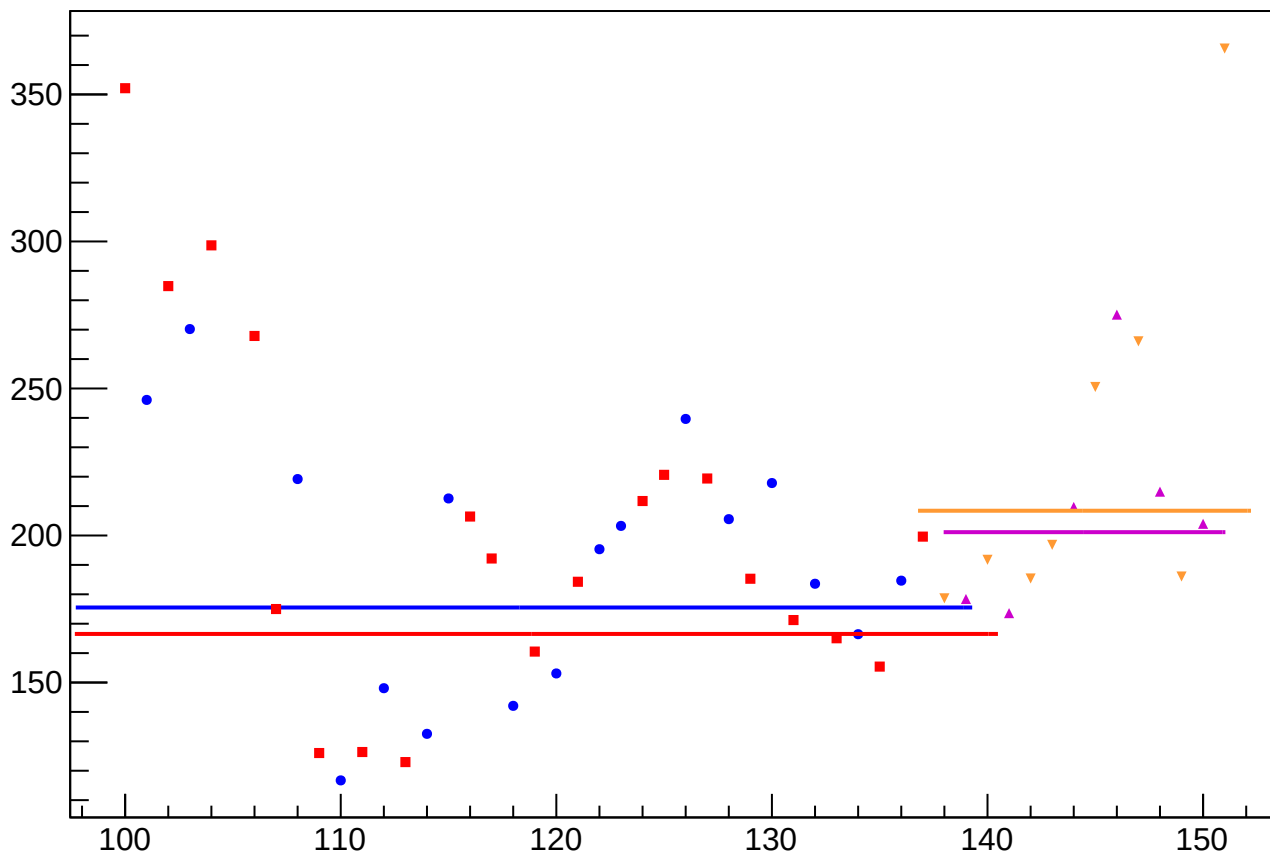
Right Out: 2641.642 $\pm$ 65.566 χ^2 /NDF: 3178.3/19

Left In: 15346.210 $\pm$ 92.839 χ^2 /NDF:2640.5/5

3.576 $\pm$ 55.530 χ^2 /NDF: 11260.8/24

6869.464 $\pm$ 53.556 χ^2 /NDF: 18313.5/25

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 ± 0.050 χ^2/NDF : 689642.3/16

Left Out: 208.422 ± 0.063 χ^2/NDF : 485359.2/7

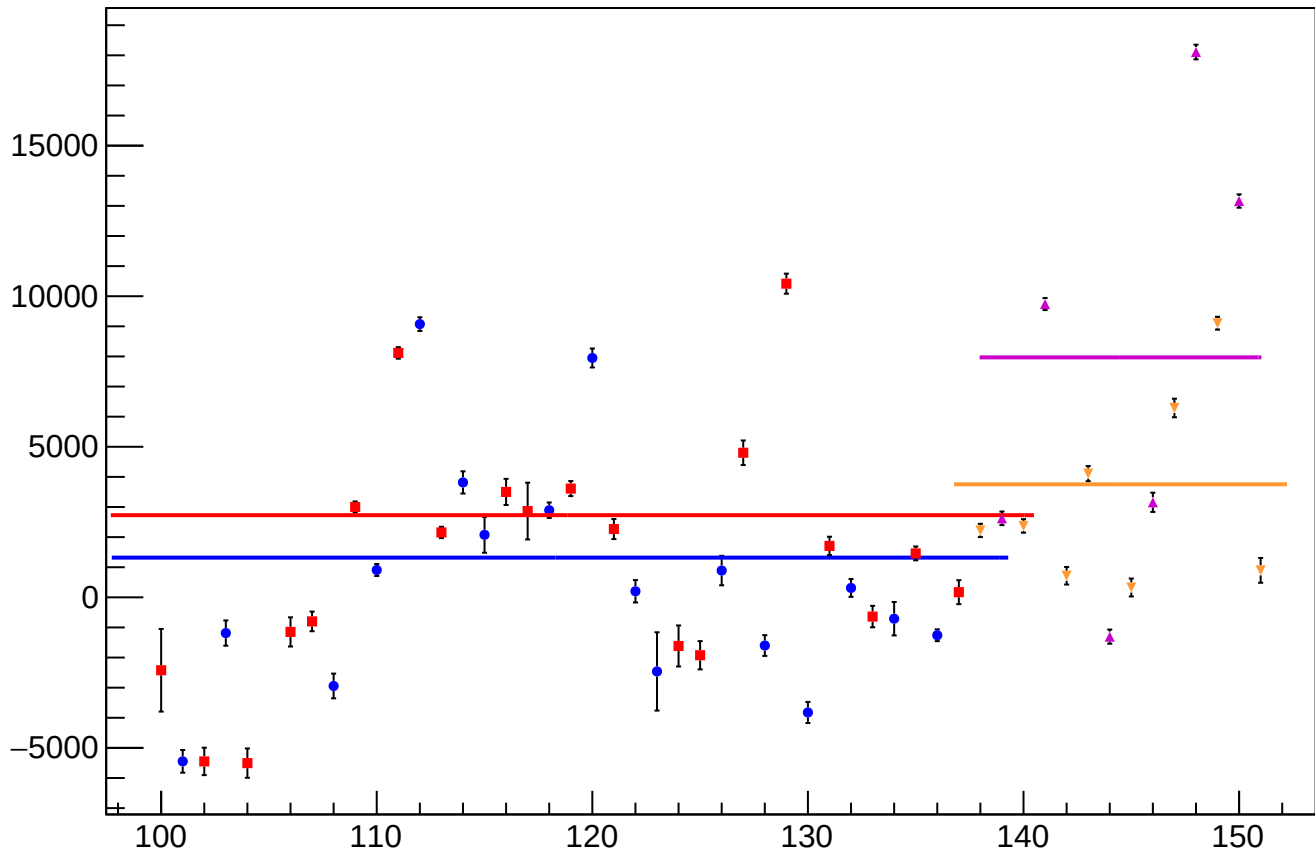
Right Out: 166.522 ± 0.046 χ^2/NDF : 931079.9/19

Left In: 201.135 ± 0.066 χ^2/NDF : 189500.5/5

188.151 ± 0.039 χ^2/NDF : 1341144.8/24

178.041 ± 0.038 χ^2/NDF : 1306065.1/25

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 3754.122+/-92.303 χ^2/NDF :1074.2/7

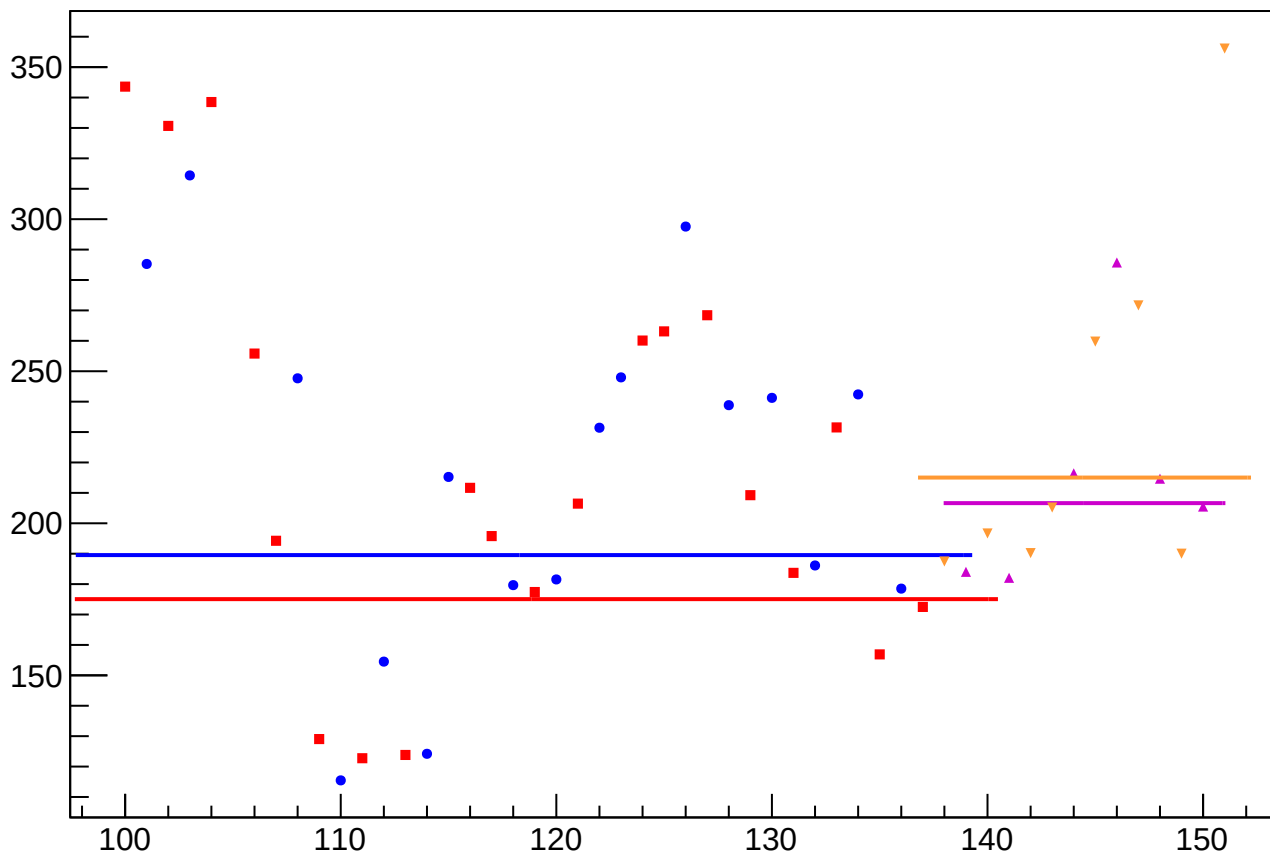
Right Out: 2728.550+/-69.837 χ^2/NDF : 2495.9/19

Left In: 7969.050+/-95.367 χ^2/NDF :4702.9/5

2320.465+/-59.194 χ^2/NDF : 4151.0/24

4557.830+/-56.345 χ^2/NDF : 9164.4/25

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2/NDF : 980744.6/16

Left Out: 215.036 $\pm$ 0.065 χ^2/NDF : 436320.7/7

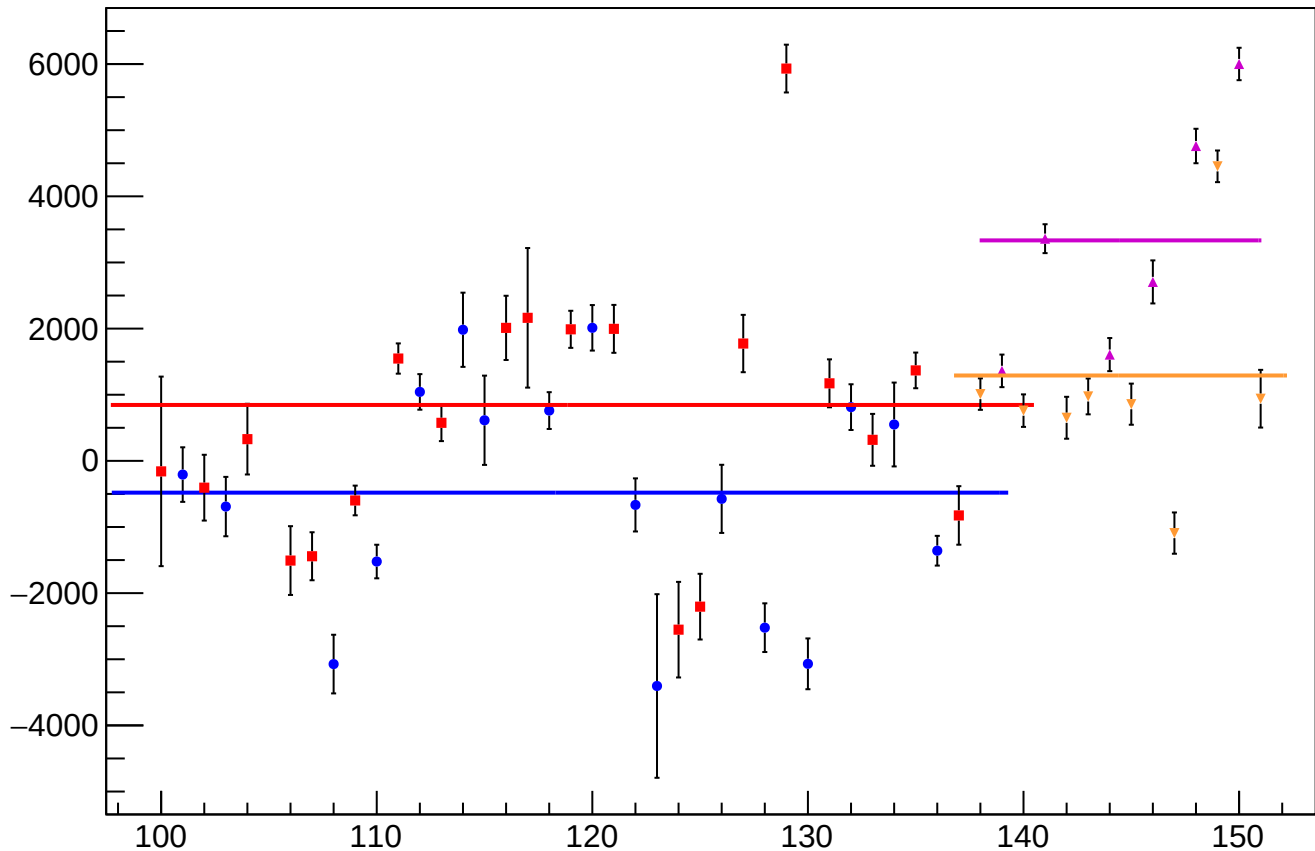
Right Out: 175.058 $\pm$ 0.049 χ^2/NDF : 1298079.7/19

Left In: 206.629 $\pm$ 0.067 χ^2/NDF : 178878.3/5

200.028 $\pm$ 0.042 χ^2/NDF : 1506870.3/24

186.078 $\pm$ 0.040 χ^2/NDF : 1619632.4/25

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 1290.960 ± 99.460 χ^2/NDF : 247.1/7

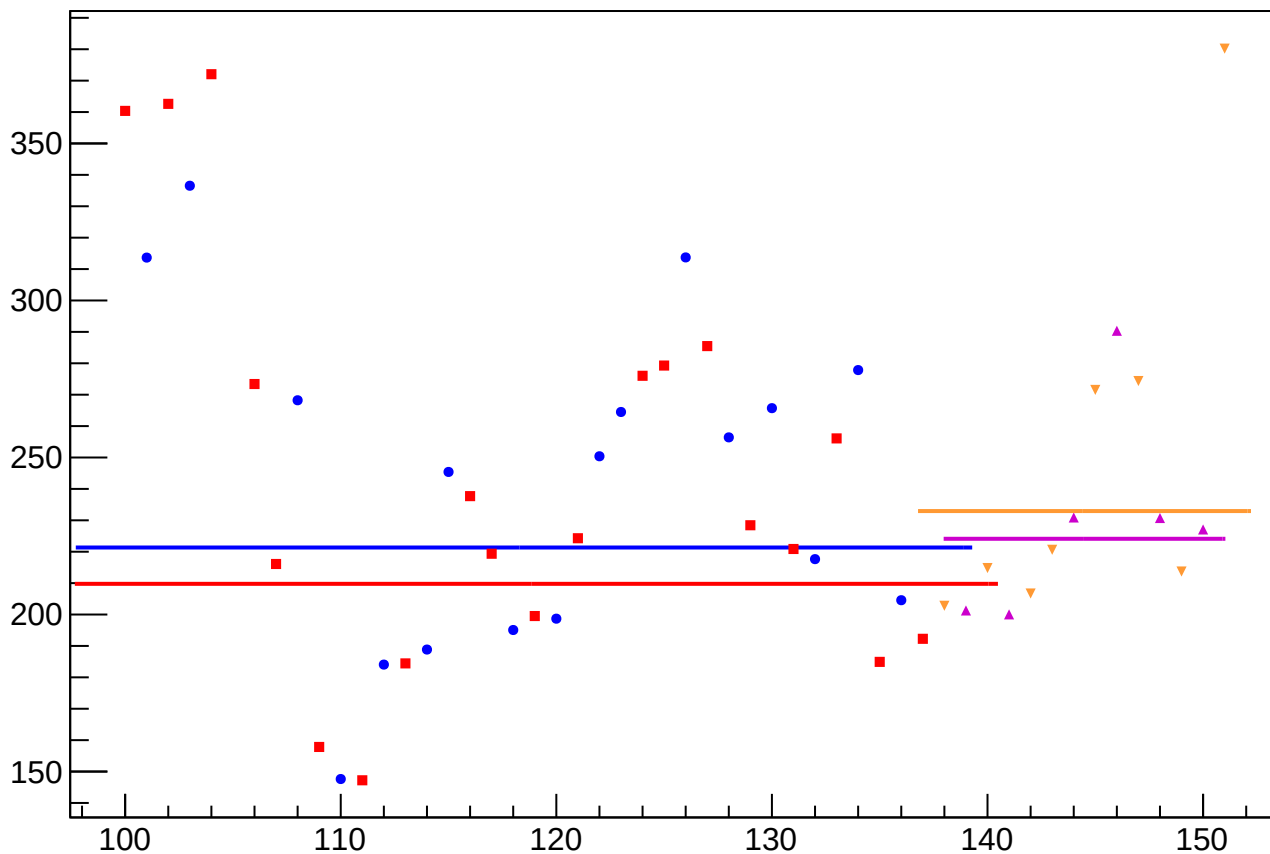
Right Out: 845.444 ± 81.995 χ^2/NDF : 436.9/19

Left In: 3333.815 ± 103.011 χ^2/NDF : 264.1/5

303.625 ± 66.174 χ^2/NDF : 714.6/24

1810.556 ± 64.153 χ^2/NDF : 1058.2/25

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 ± 0.063 $\chi^2/\text{NDF}: 645688.1/16$

Left Out: 232.944 ± 0.070 $\chi^2/\text{NDF}: 367580.0/7$

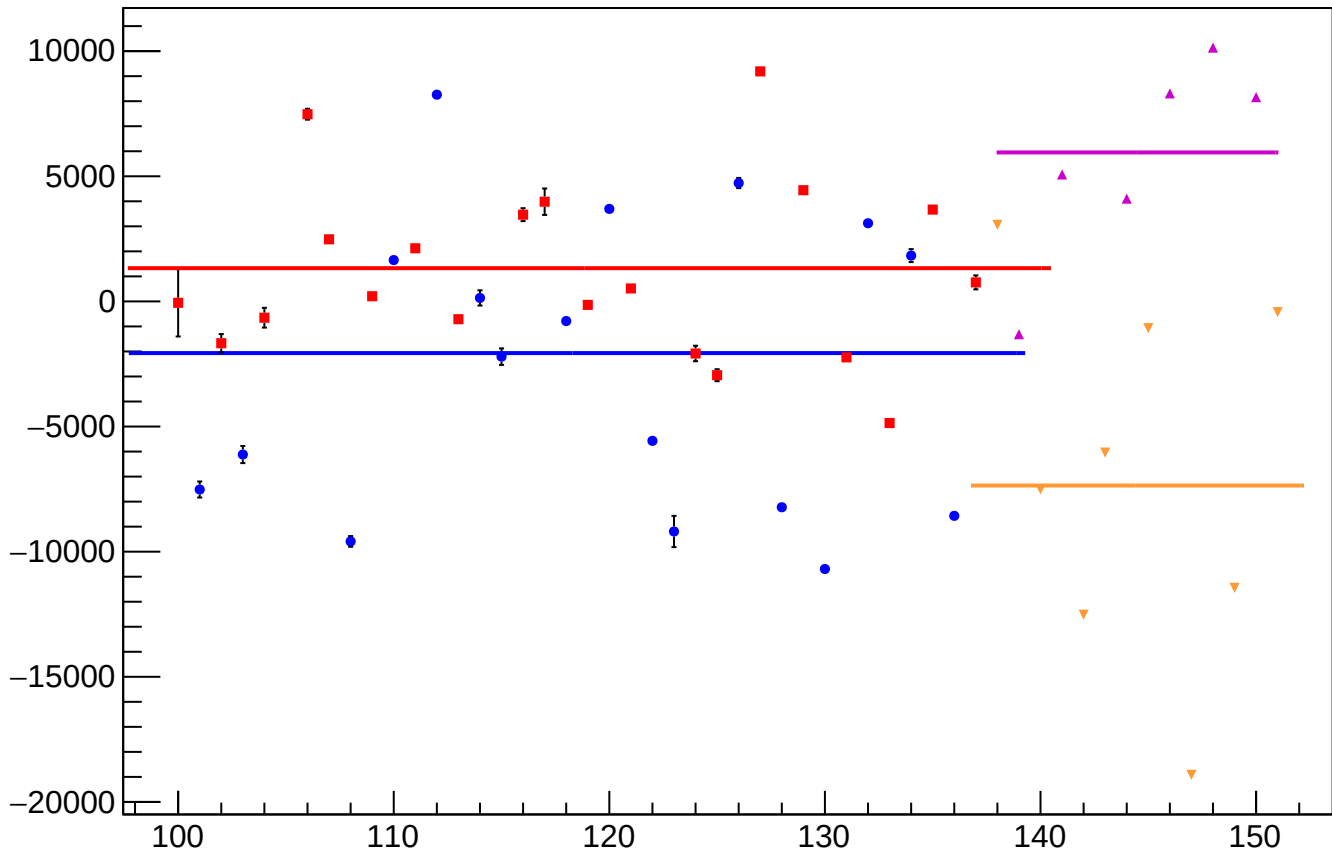
Right Out: 209.775 ± 0.058 $\chi^2/\text{NDF}: 884083.7/19$

Left In: 224.119 ± 0.073 $\chi^2/\text{NDF}: 127352.1/5$

226.478 ± 0.047 $\chi^2/\text{NDF}: 1028436.3/24$

215.338 ± 0.045 $\chi^2/\text{NDF}: 1035174.8/25$

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160+/-47.322 χ^2/NDF : 16533.3/16

Left Out: -7356.596+/-46.506 χ^2/NDF :22219.0/7

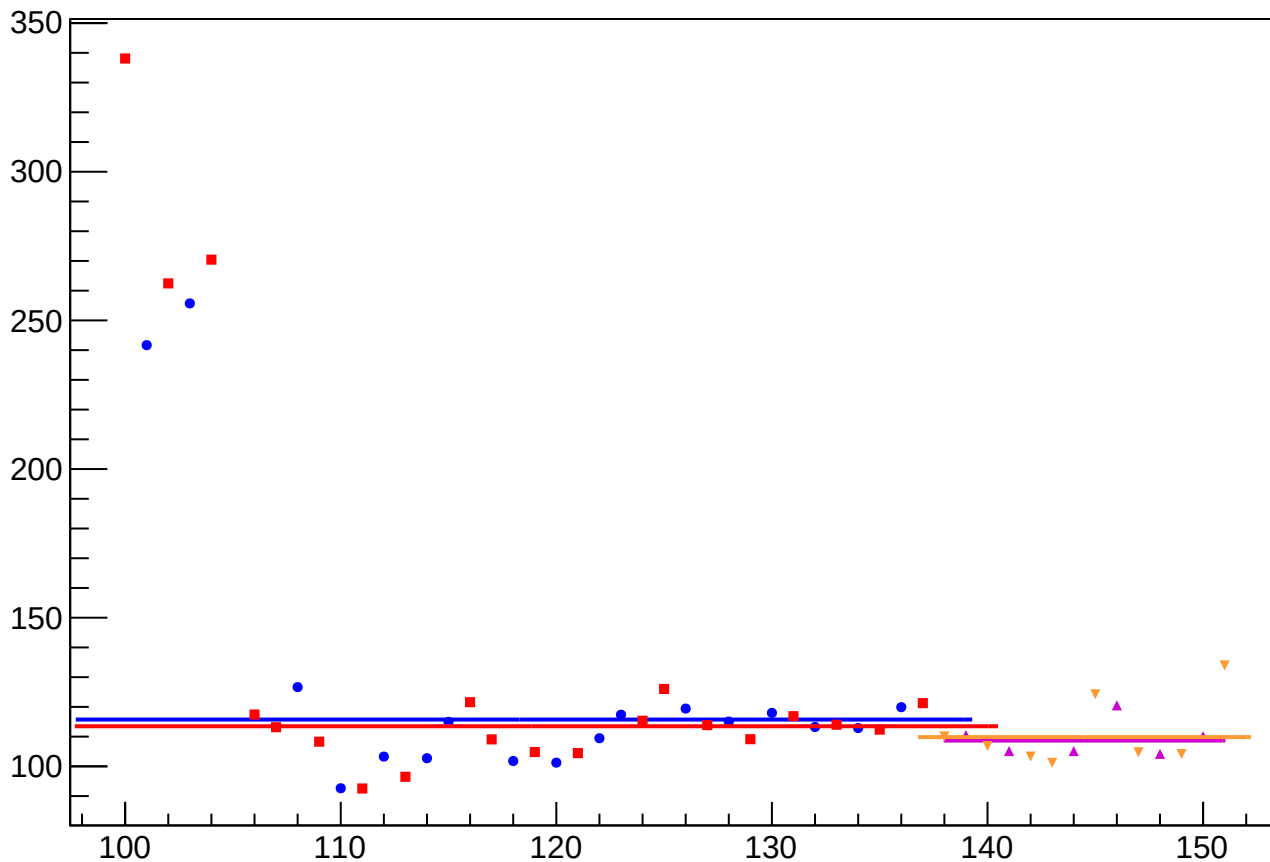
Right Out: 1327.819+/-44.838 χ^2/NDF : 5919.9/19

Left In: 5952.278+/-49.901 χ^2/NDF :5060.7/5

-4756.897+/-33.169 χ^2/NDF : 45112.6/24

3393.609+/-33.352 χ^2/NDF : 15732.3/25

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 109.836+/-0.033 χ^2/NDF : 93979.3/7

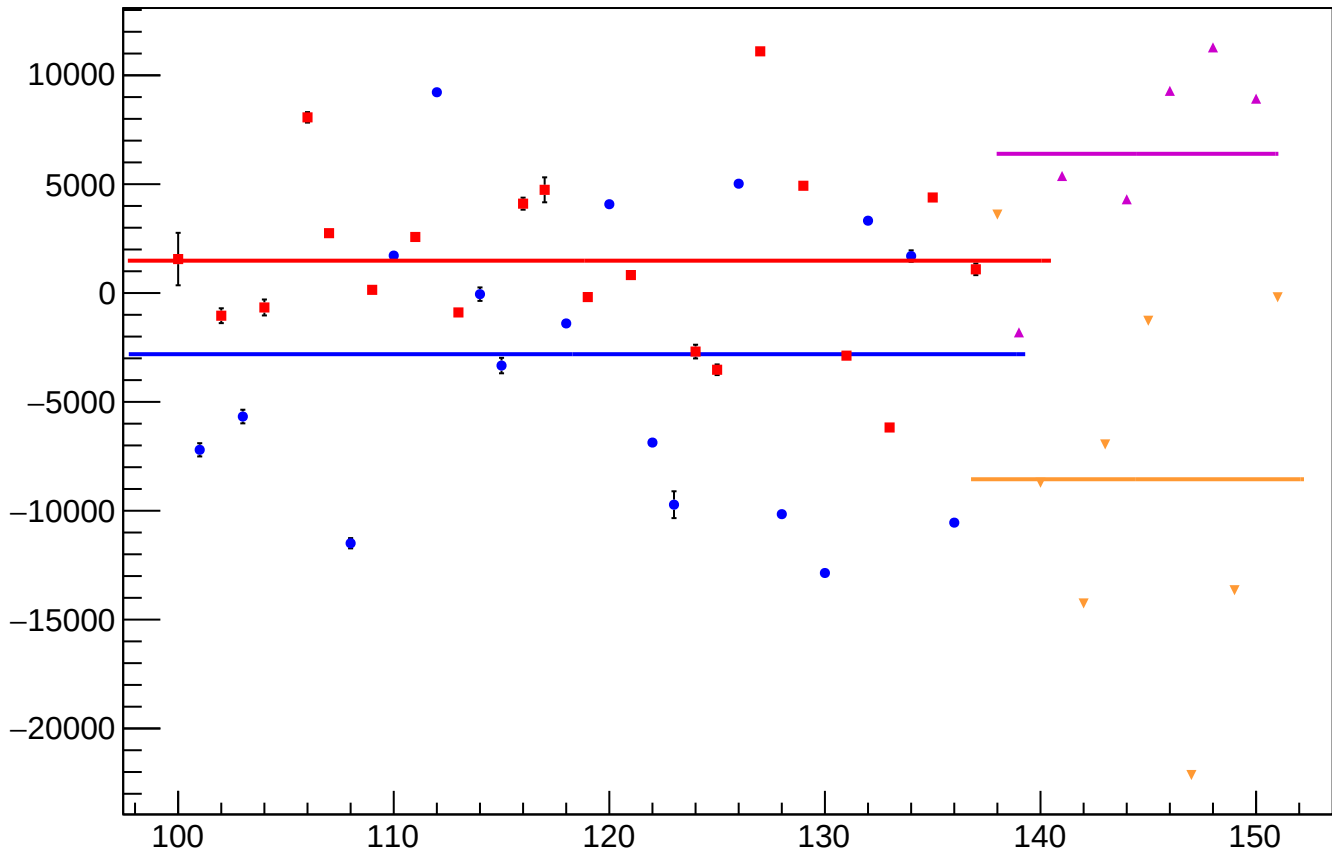
Right Out: 113.487+/-0.032 χ^2/NDF : 796781.7/19

Left In: 108.673+/-0.035 χ^2/NDF : 22739.8/5

112.737+/-0.023 χ^2/NDF : 853836.5/24

111.336+/-0.024 χ^2/NDF : 829820.6/25

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101+/-48.284 χ^2/NDF : 21263.1/16

Left Out: -8553.017+/-50.234 χ^2/NDF :26382.2/7

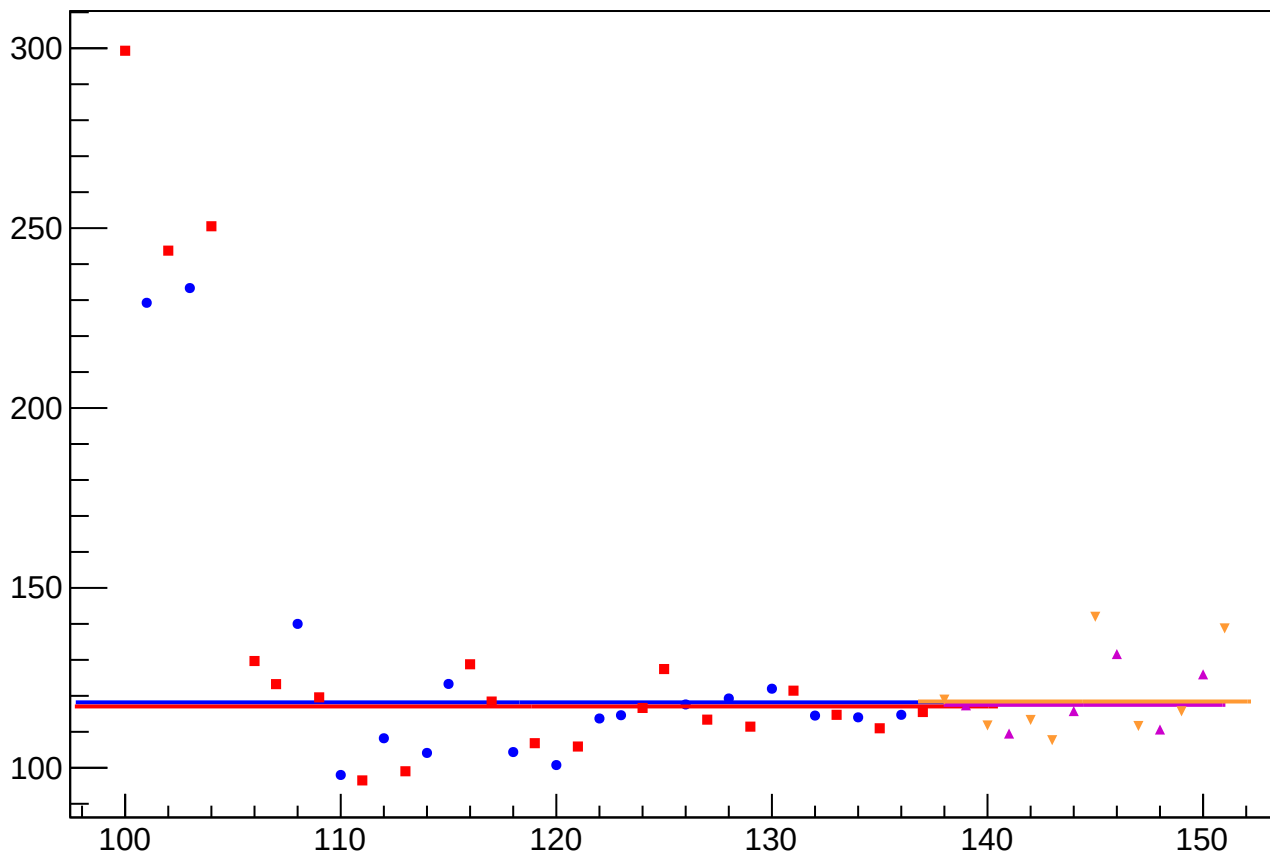
Right Out: 1486.369+/-46.243 χ^2/NDF : 8037.1/19

Left In: 6395.093+/-54.084 χ^2/NDF :5779.2/5

-5567.430+/-34.811 χ^2/NDF : 54441.2/24

3559.455+/-35.147 χ^2/NDF : 18575.0/25

asym_bpm2i01WS_rms vs Slug



Right In: 118.188+/-0.034 χ^2/NDF : 636252.0/16

Left Out: 118.428+/-0.036 χ^2/NDF : 101532.1/7

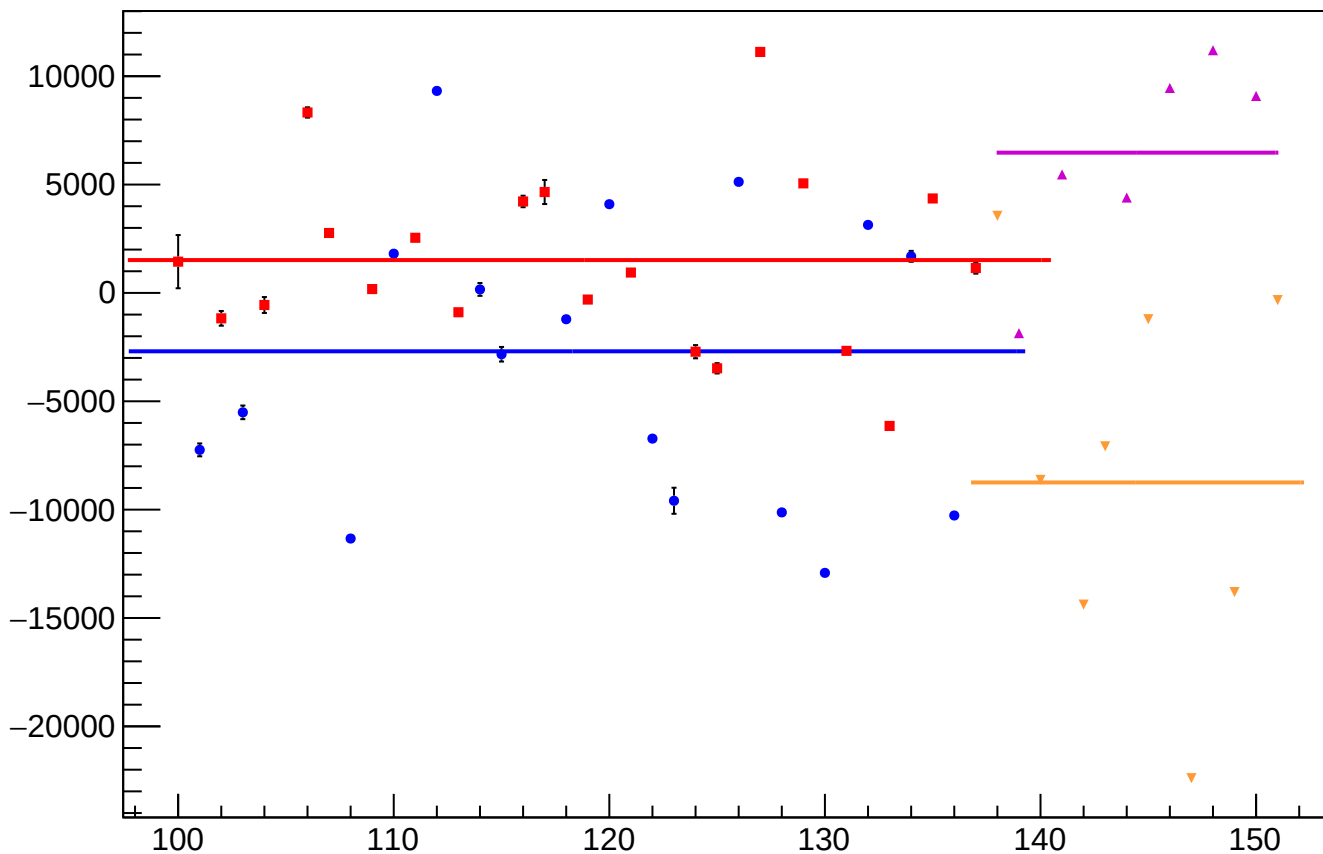
Right Out: 117.054+/-0.033 χ^2/NDF : 690646.8/19

Left In: 117.503+/-0.038 χ^2/NDF : 41210.1/5

118.303+/-0.025 χ^2/NDF : 737807.6/24

117.244+/-0.025 χ^2/NDF : 731936.4/25

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 ± 46.347 χ^2/NDF : 22860.3/16

Left Out: -8745.953 ± 48.654 χ^2/NDF : 28979.9/7

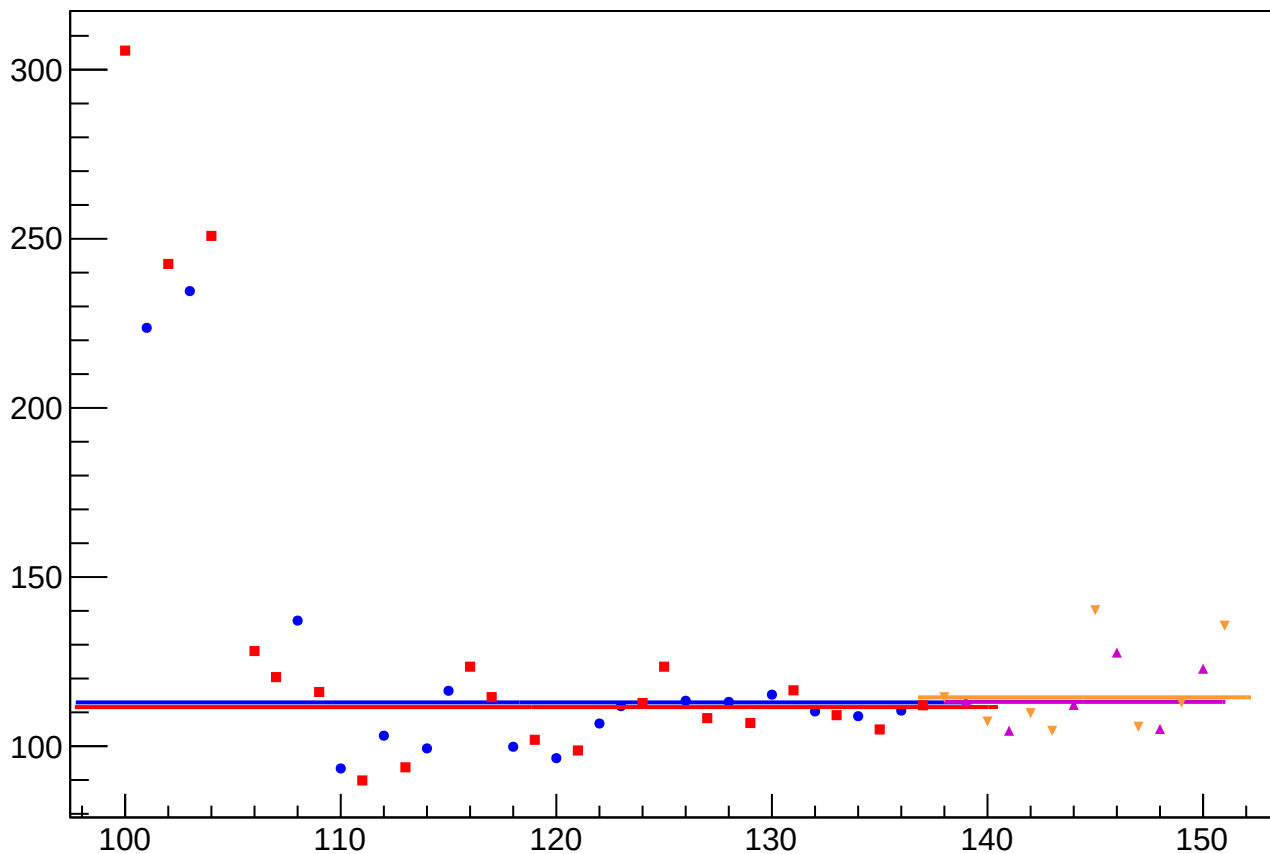
Right Out: 1515.863 ± 44.303 χ^2/NDF : 8749.3/19

Left In: 6472.843 ± 52.169 χ^2/NDF : 6271.1/5

-5573.245 ± 33.558 χ^2/NDF : 59951.2/24

3592.850 ± 33.769 χ^2/NDF : 20265.9/25

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 114.442 $\pm$ 0.034 χ^2 /NDF:118901.3/7

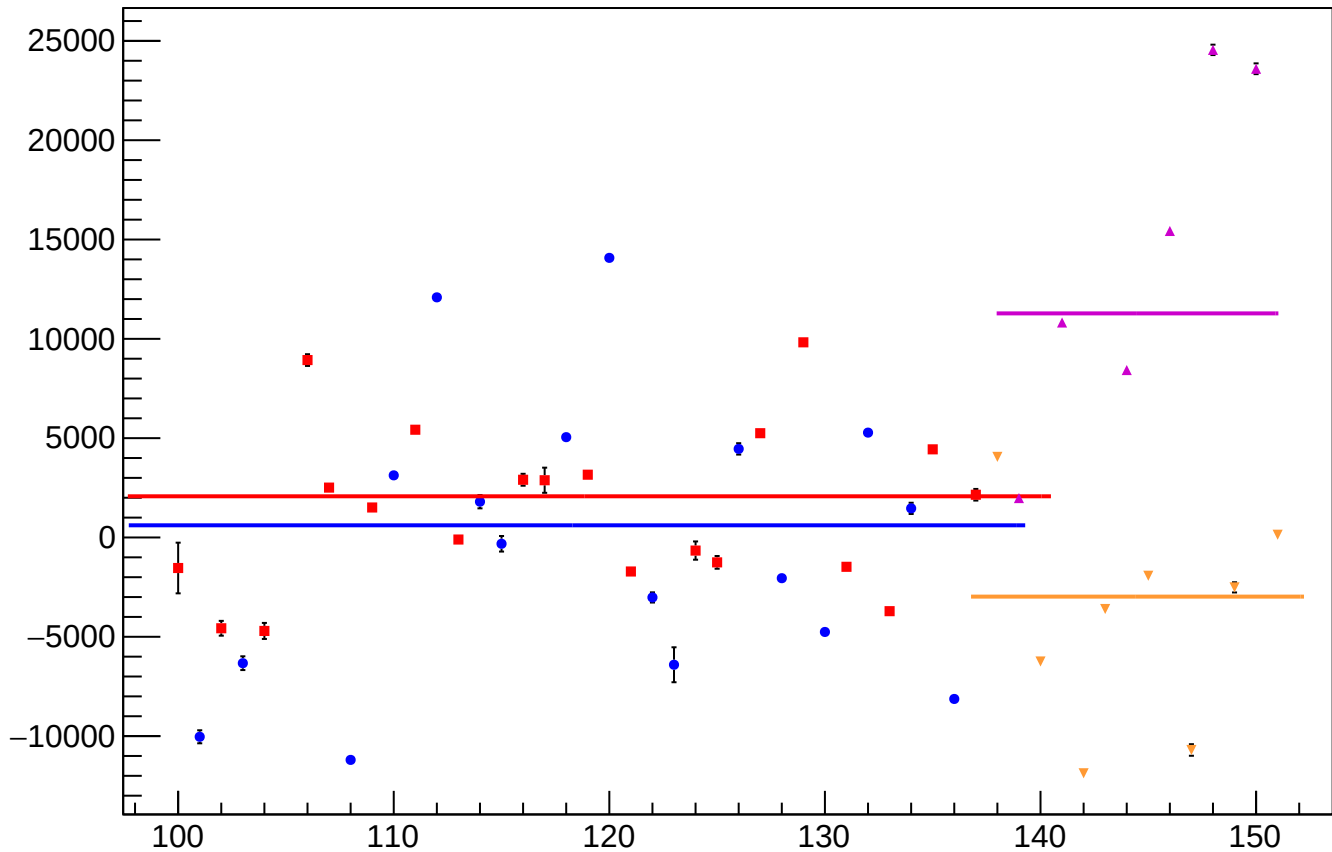
Right Out: 111.562 $\pm$ 0.031 χ^2 /NDF: 765559.1/19

Left In: 113.097 $\pm$ 0.037 χ^2 /NDF:51727.6/5

113.655 $\pm$ 0.024 χ^2 /NDF: 800182.8/24

112.206 $\pm$ 0.024 χ^2 /NDF: 818292.7/25

asym_bpm0i01WS_mean vs Slug



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -2977.336 ± 69.958 $\chi^2/\text{NDF}: 4878.0/7$

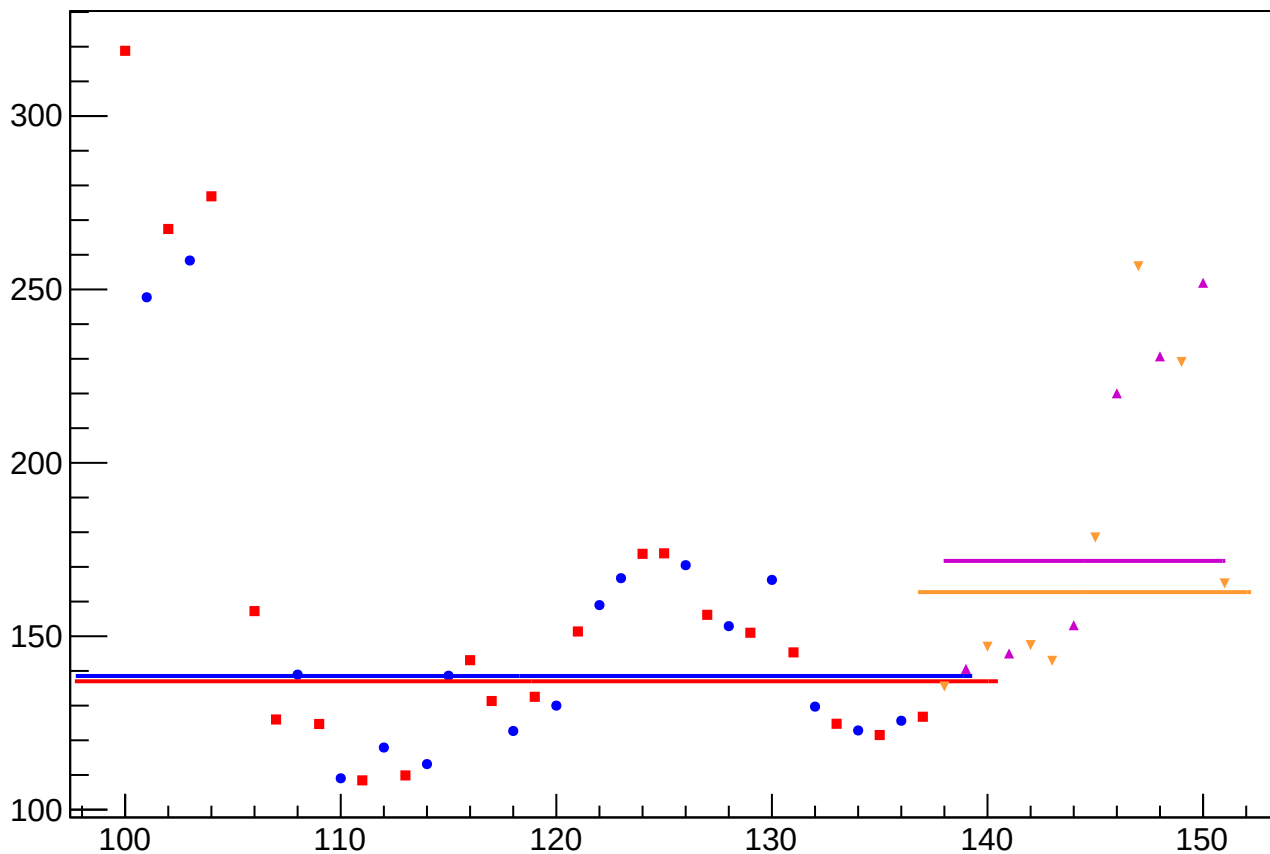
Right Out: 2073.278 ± 53.736 $\chi^2/\text{NDF}: 4644.3/19$

Left In: 11281.541 ± 80.655 $\chi^2/\text{NDF}: 8092.7/5$

-791.235 ± 43.748 $\chi^2/\text{NDF}: 24725.0/24$

4904.105 ± 44.720 $\chi^2/\text{NDF}: 21764.4/25$

asym_bpm0i01WS_rms vs Slug



Right In: 138.542+/-0.040 χ^2/NDF : 668941.7/16

Left Out: 162.726+/-0.049 χ^2/NDF : 464746.4/7

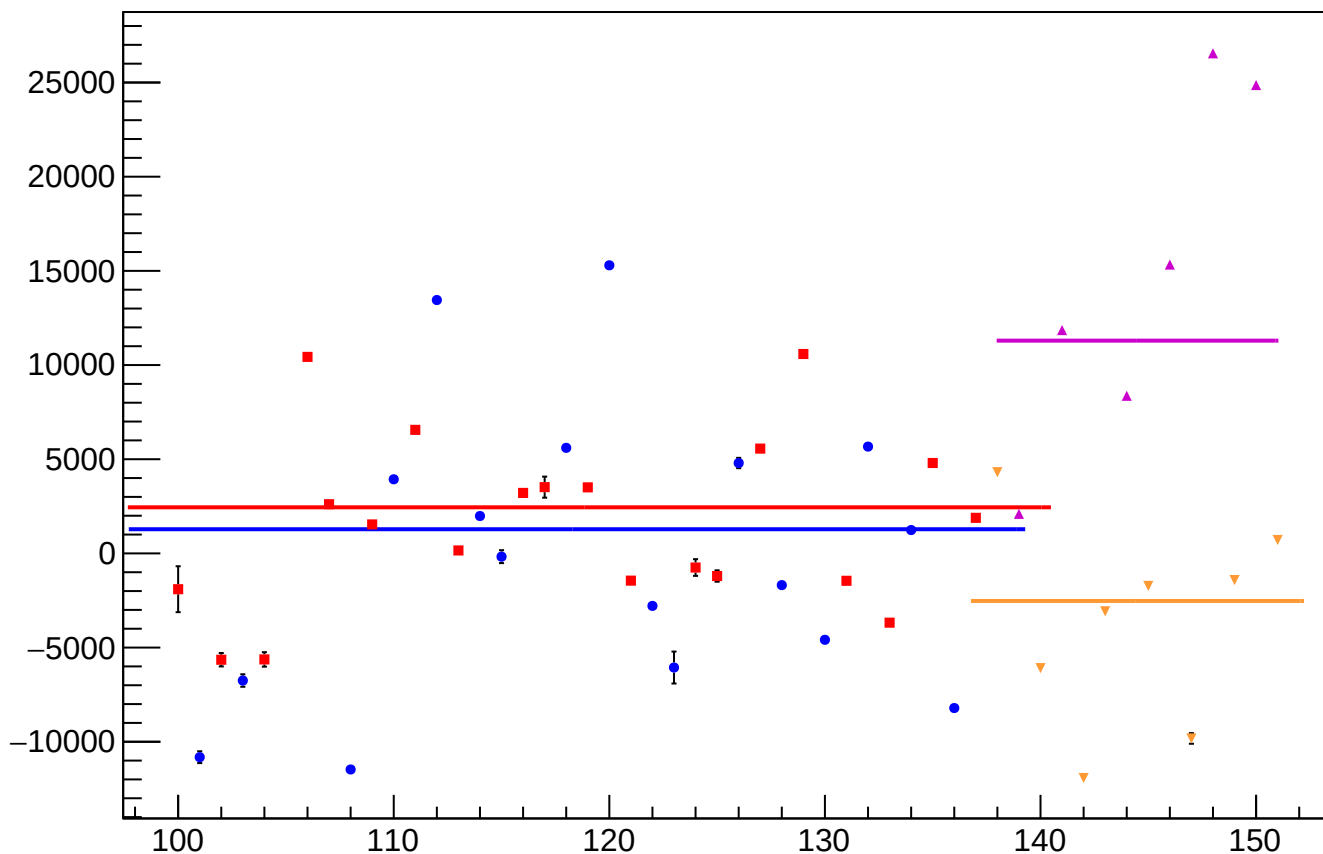
Right Out: 137.019+/-0.038 χ^2/NDF : 755655.0/19

Left In: 171.729+/-0.057 χ^2/NDF : 500062.6/5

147.999+/-0.031 χ^2/NDF : 1279236.1/24

147.690+/-0.032 χ^2/NDF : 1512247.7/25

asym_bpm0i01aWS_mean vs Slug



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -2524.968+/-62.792 χ^2/NDF : 6362.1/7

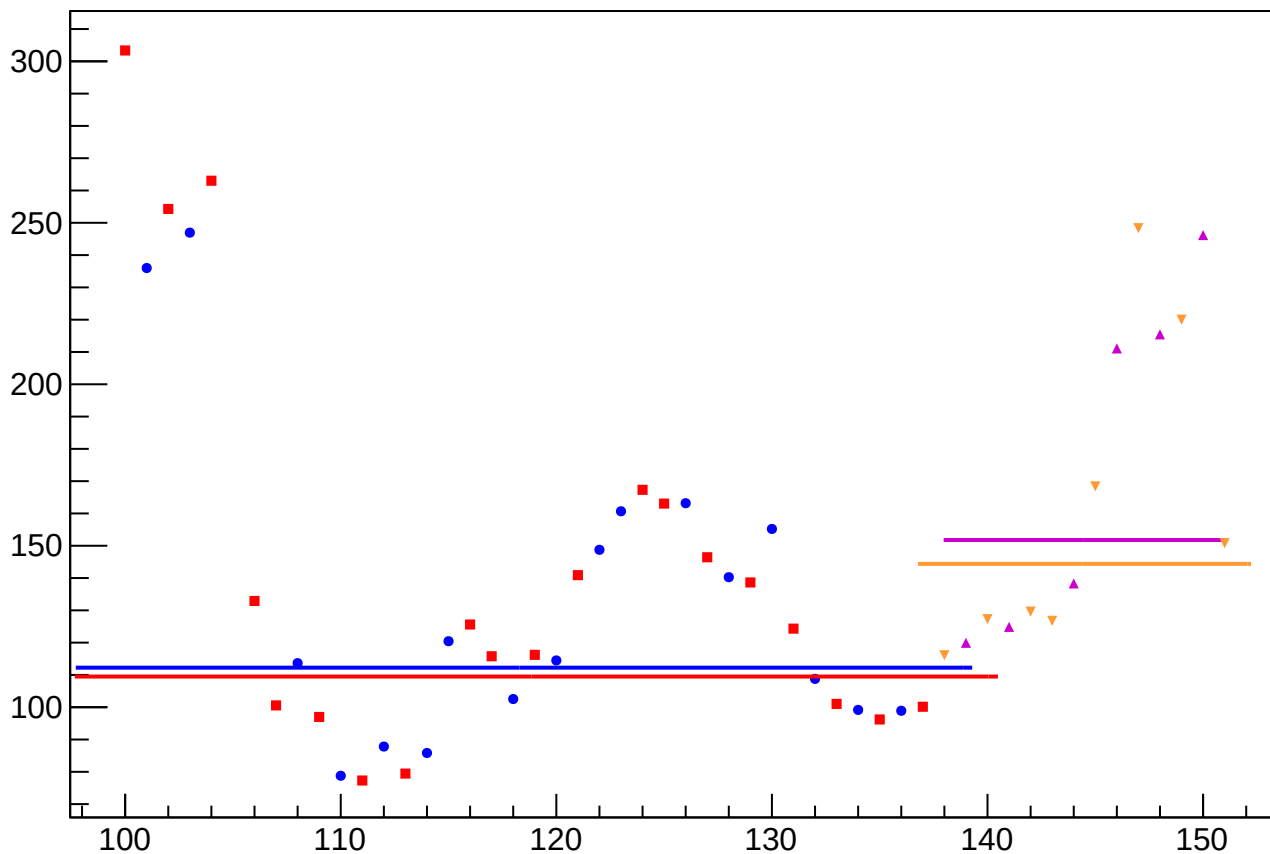
Right Out: 2446.970+/-44.148 χ^2/NDF : 7681.2/19

Left In: 11295.878+/-72.313 χ^2/NDF : 10960.0/5

-68.381+/-37.407 χ^2/NDF : 39275.5/24

4849.639+/-37.680 χ^2/NDF : 29549.7/25

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 144.392+/-0.044 χ^2/NDF : 642895.3/7

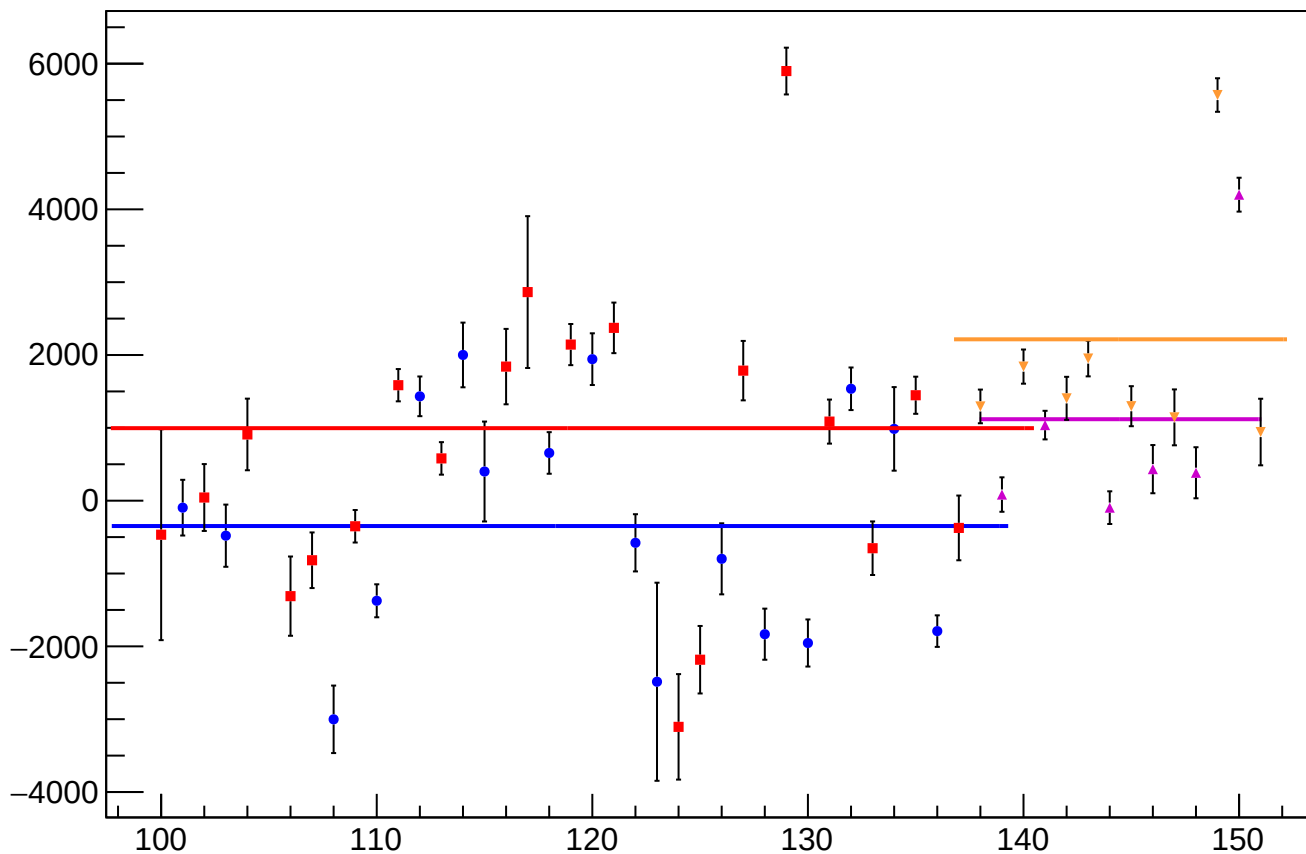
Right Out: 109.500+/-0.031 χ^2/NDF : 1269887.8/19

Left In: 151.776+/-0.051 χ^2/NDF : 699124.5/5

123.657+/-0.026 χ^2/NDF : 2106475.3/24

120.979+/-0.027 χ^2/NDF : 2466991.4/25

asym_bpm0l01WS_mean vs Slug



Right In: -348.055+/-83.826 χ^2/NDF : 317.3/16

Left Out: 2215.499+/-95.942 χ^2/NDF : 265.9/7

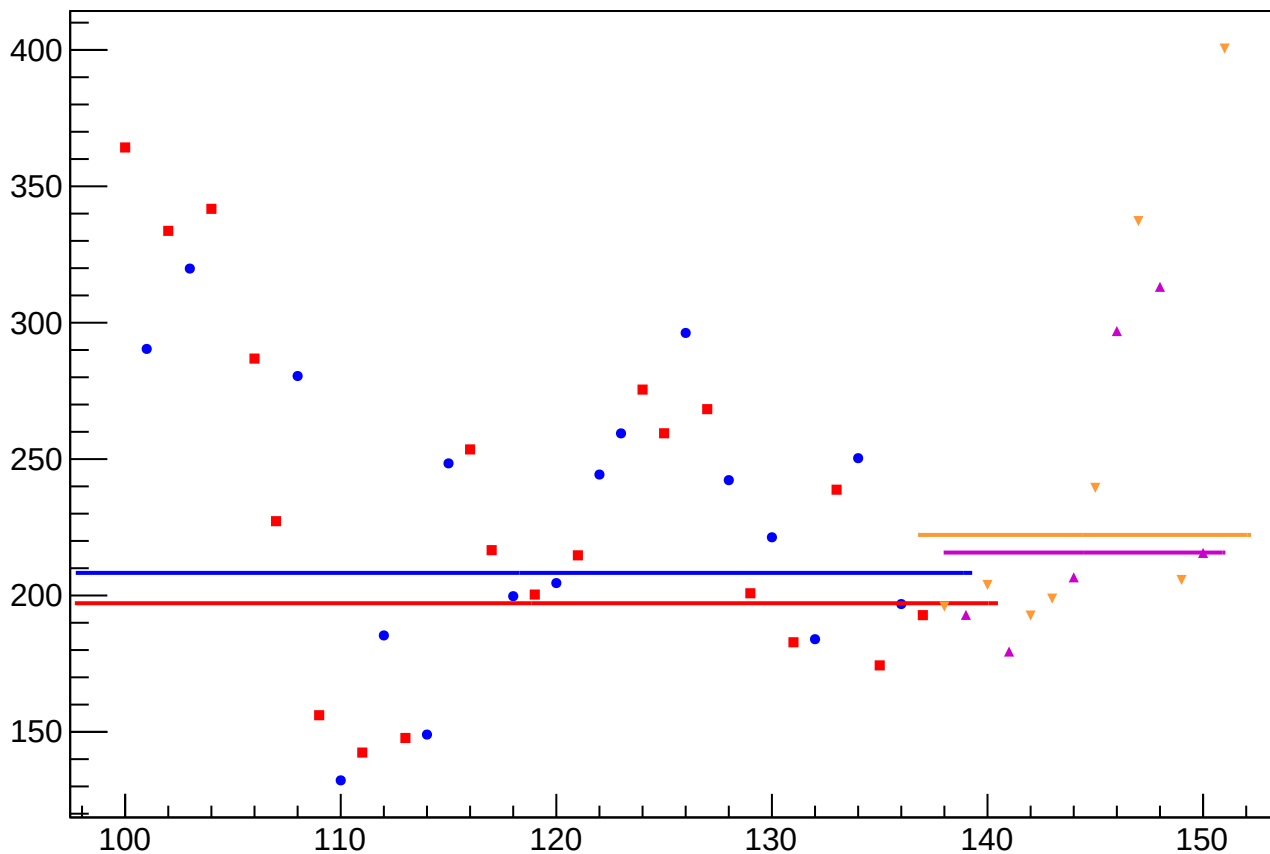
Right Out: 995.622+/-77.468 χ^2/NDF : 479.8/19

Left In: 1118.572+/-100.263 χ^2/NDF : 232.9/5

761.725+/-63.126 χ^2/NDF : 988.0/24

1041.583+/-61.302 χ^2/NDF : 713.6/25

asym_bpm0l01WS_rms vs Slug



Right In: 208.288+/-0.059 χ^2/NDF : 698491.0/16

Left Out: 222.207+/-0.068 χ^2/NDF : 578599.6/7

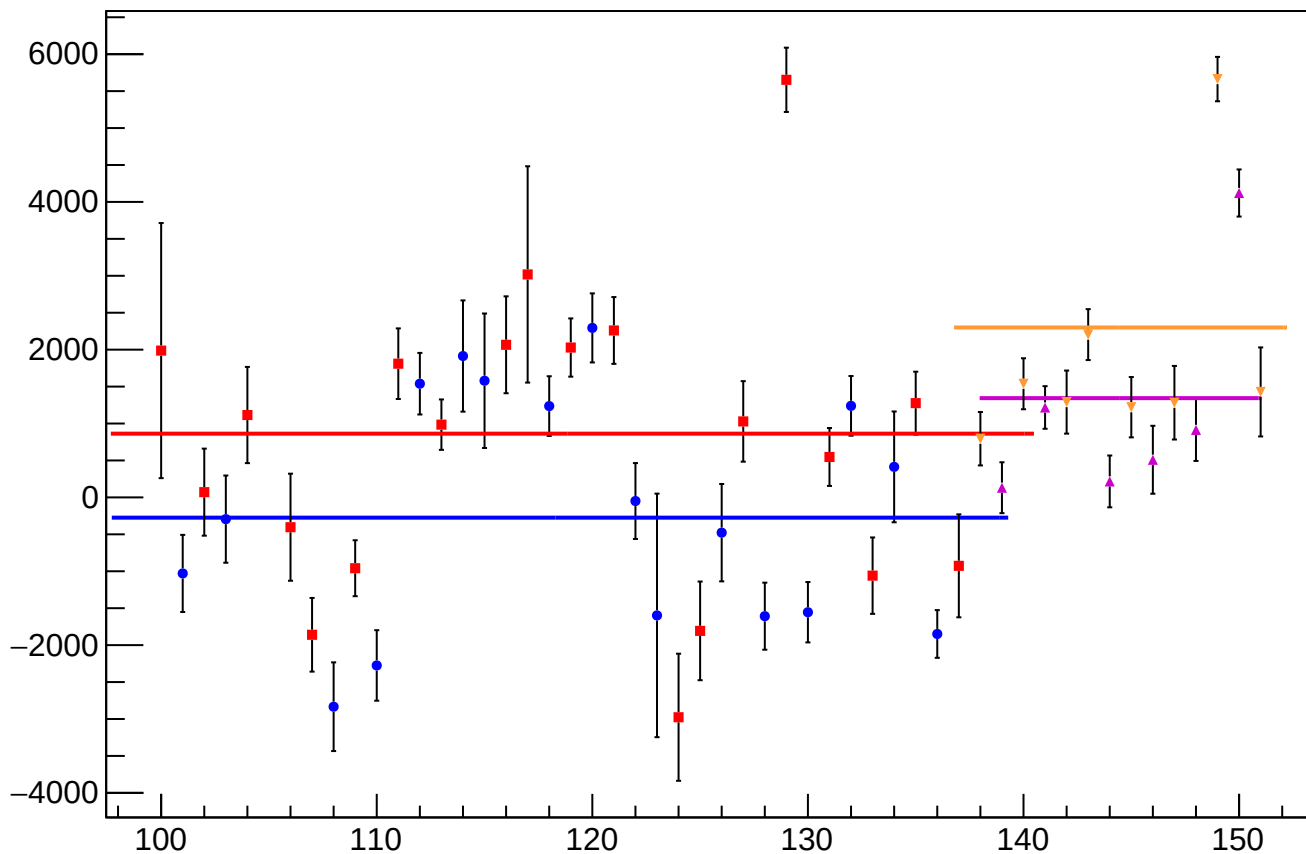
Right Out: 197.159+/-0.055 χ^2/NDF : 927487.8/19

Left In: 215.740+/-0.071 χ^2/NDF : 365250.6/5

214.313+/-0.045 χ^2/NDF : 1300963.8/24

204.105+/-0.043 χ^2/NDF : 1335749.3/25

asym_bpm0l02WS_mean vs Slug



Right In: -274.260 ± 121.326 $\chi^2/\text{NDF}: 171.6/16$

Left Out: 2300.230 ± 136.340 $\chi^2/\text{NDF}: 166.4/7$

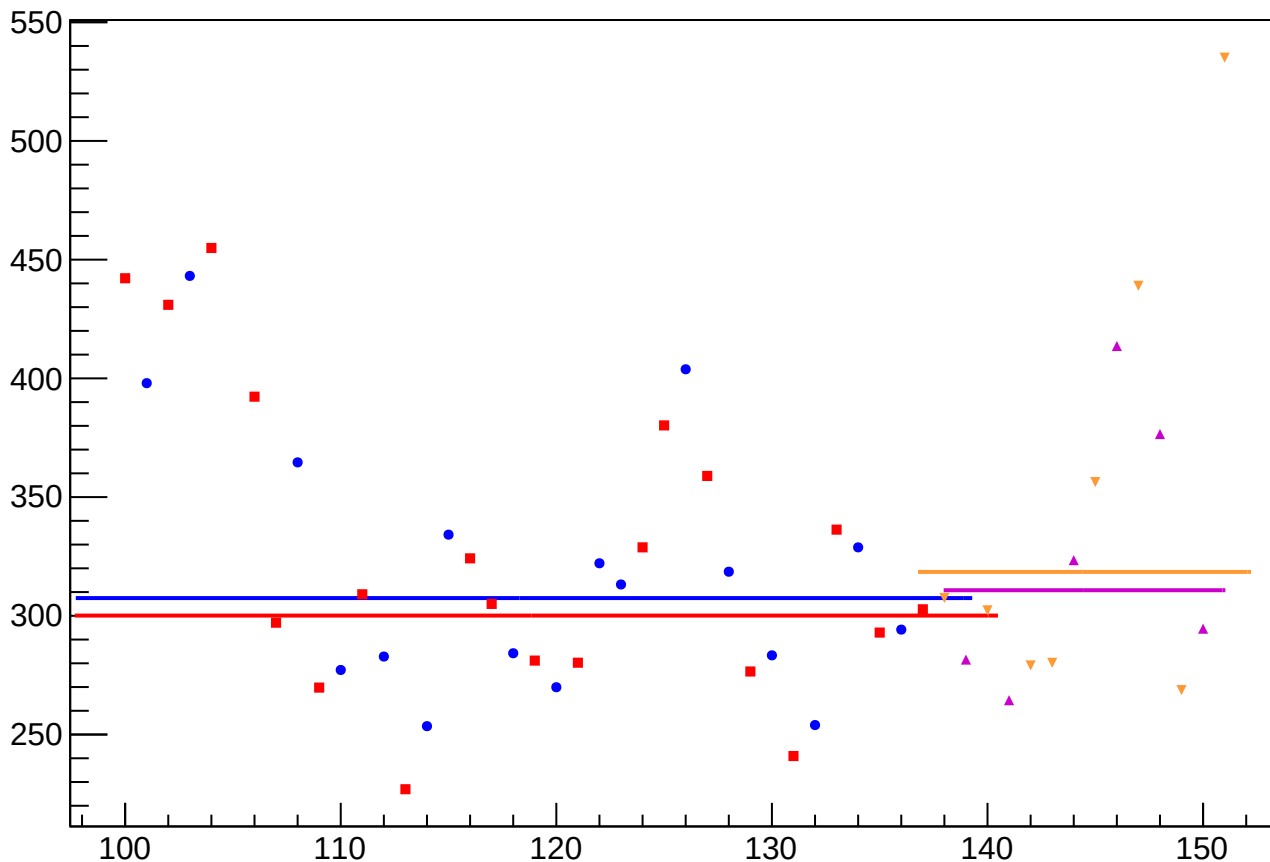
Right Out: 862.791 ± 114.993 $\chi^2/\text{NDF}: 265.4/19$

Left In: 1343.591 ± 143.157 $\chi^2/\text{NDF}: 103.0/5$

863.481 ± 90.635 $\chi^2/\text{NDF}: 536.9/24$

1051.351 ± 89.651 $\chi^2/\text{NDF}: 375.3/25$

asym_bpm0l02WS_rms vs Slug



Right In: 307.468+/-0.086 χ^2/NDF : 323096.7/16

Left Out: 318.491+/-0.096 χ^2/NDF : 495451.2/7

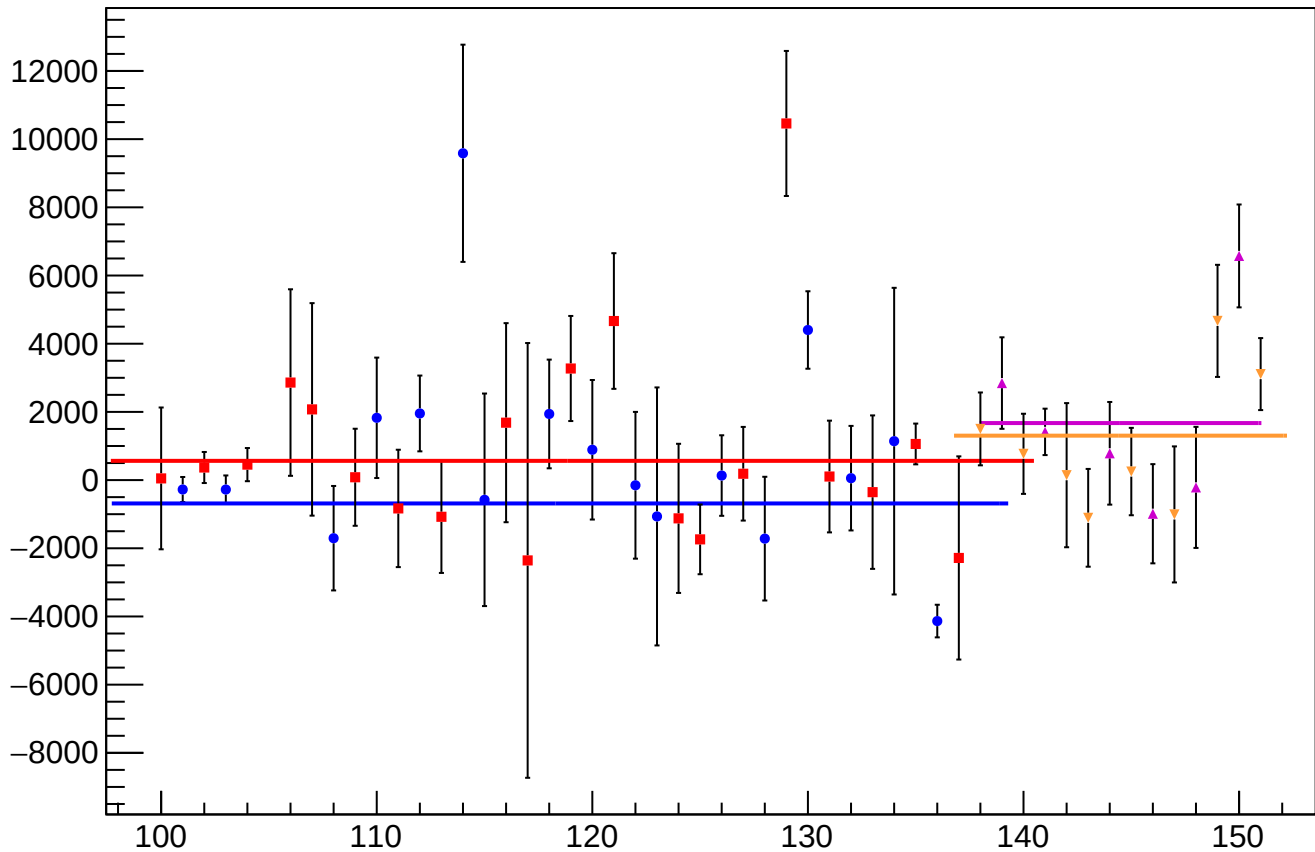
Right Out: 300.100+/-0.081 χ^2/NDF : 490421.6/19

Left In: 310.774+/-0.101 χ^2/NDF : 222805.3/5

312.339+/-0.064 χ^2/NDF : 825843.5/24

304.286+/-0.063 χ^2/NDF : 719985.1/25

asym_bpm0l03WS_mean vs Slug



Right In: -685.056+/-210.341 χ^2/NDF : 97.4/16

Left Out: 1303.251+/-474.748 χ^2/NDF :12.5/7

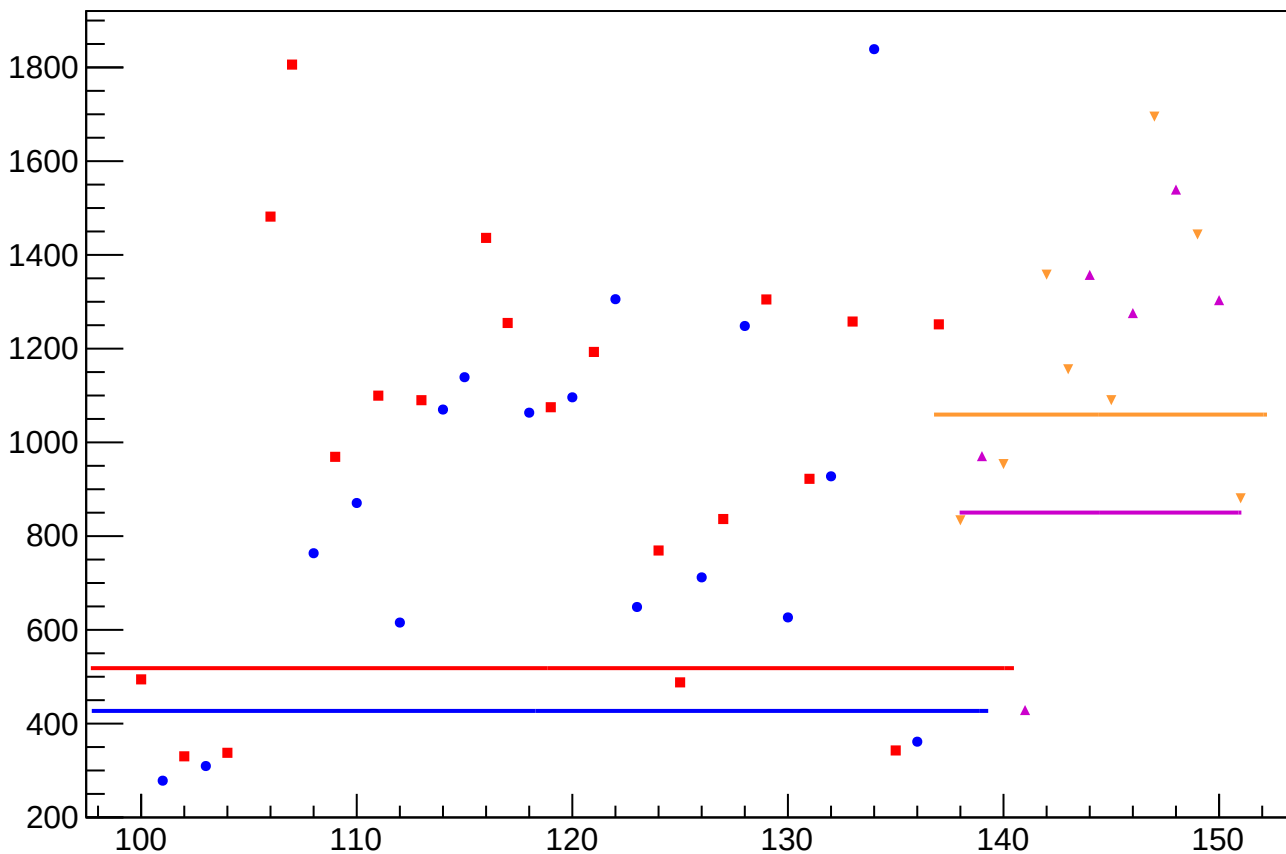
Right Out: 564.400+/-243.074 χ^2/NDF : 39.9/19

Left In: 1672.737+/-477.569 χ^2/NDF :16.3/5

-358.796+/-192.311 χ^2/NDF : 124.5/24

792.450+/-216.628 χ^2/NDF : 60.5/25

asym_bpm0l03WS_rms vs Slug



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 1059.331+/-0.336 χ^2/NDF : 524904.3/7

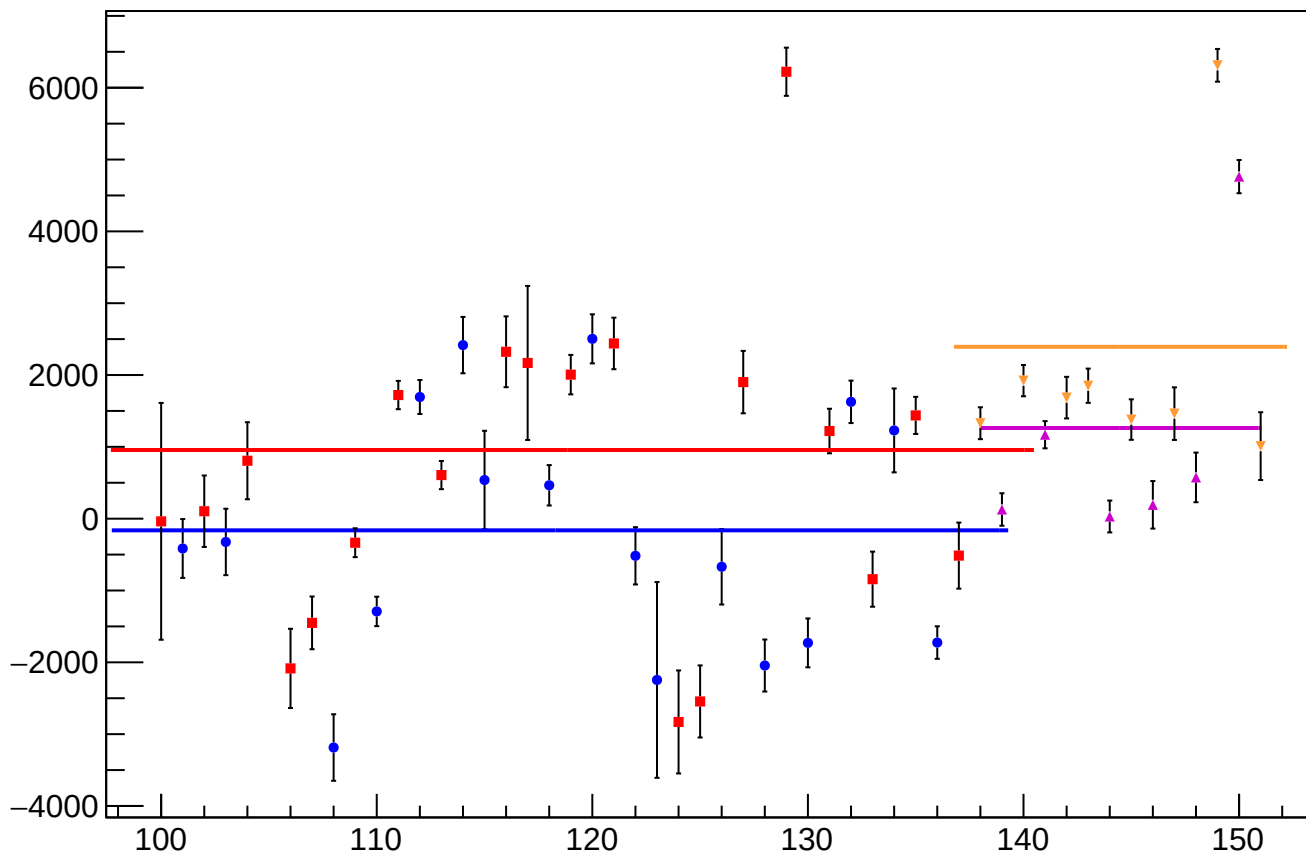
Right Out: 518.306+/-0.172 χ^2/NDF : 3631833.9/19

Left In: 850.227+/-0.338 χ^2/NDF : 1662499.5/5

530.825+/-0.136 χ^2/NDF : 6355706.2/24

586.602+/-0.153 χ^2/NDF : 6061658.8/25

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 χ^2/NDF : 387.6/16

Left Out: 2392.770 ± 93.383 χ^2/NDF : 362.2/7

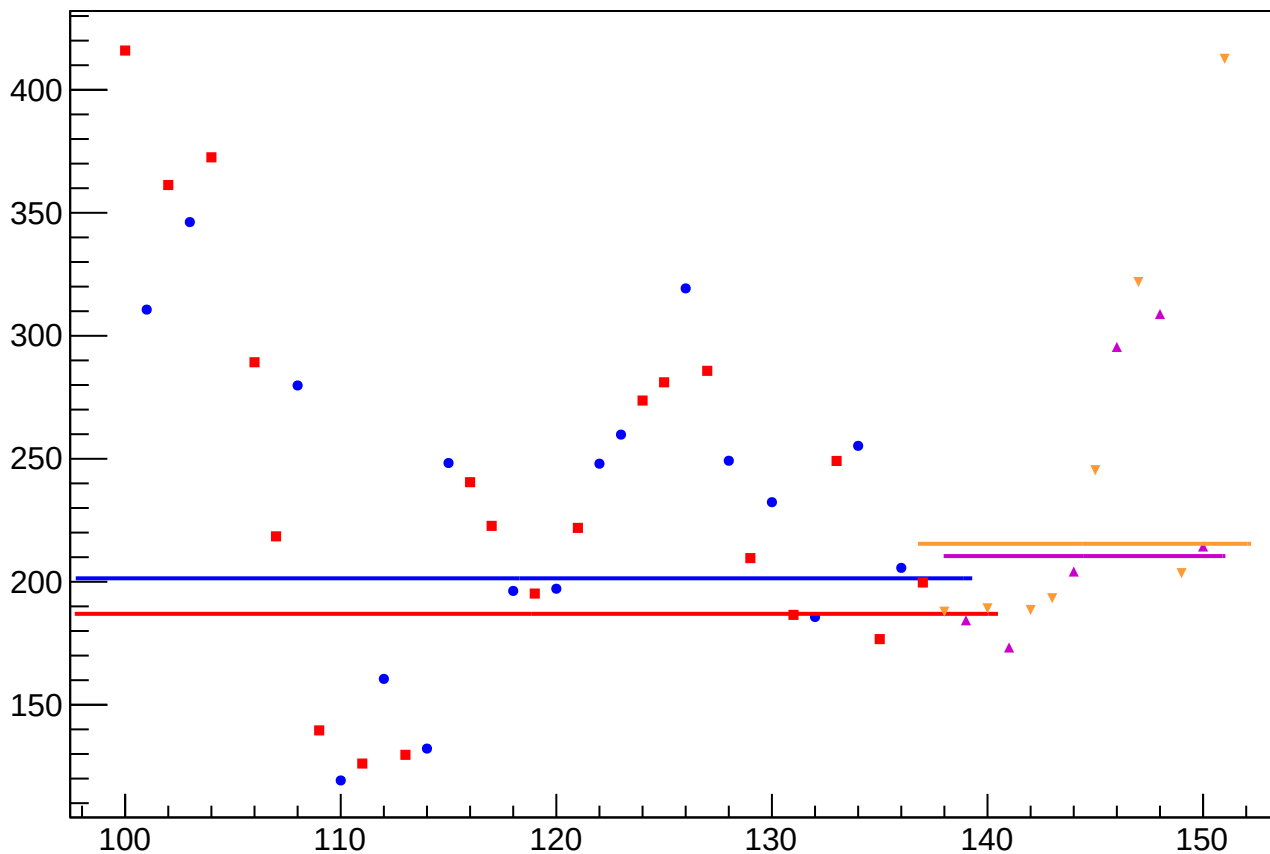
Right Out: 956.044 ± 74.949 χ^2/NDF : 541.1/19

Left In: 1262.652 ± 98.108 χ^2/NDF : 299.4/5

955.431 ± 61.765 χ^2/NDF : 1170.9/24

1069.039 ± 59.558 χ^2/NDF : 846.7/25

asym_bpm0l04WS_rms vs Slug



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 215.452 $\pm$ 0.066 χ^2 /NDF: 640377.8/7

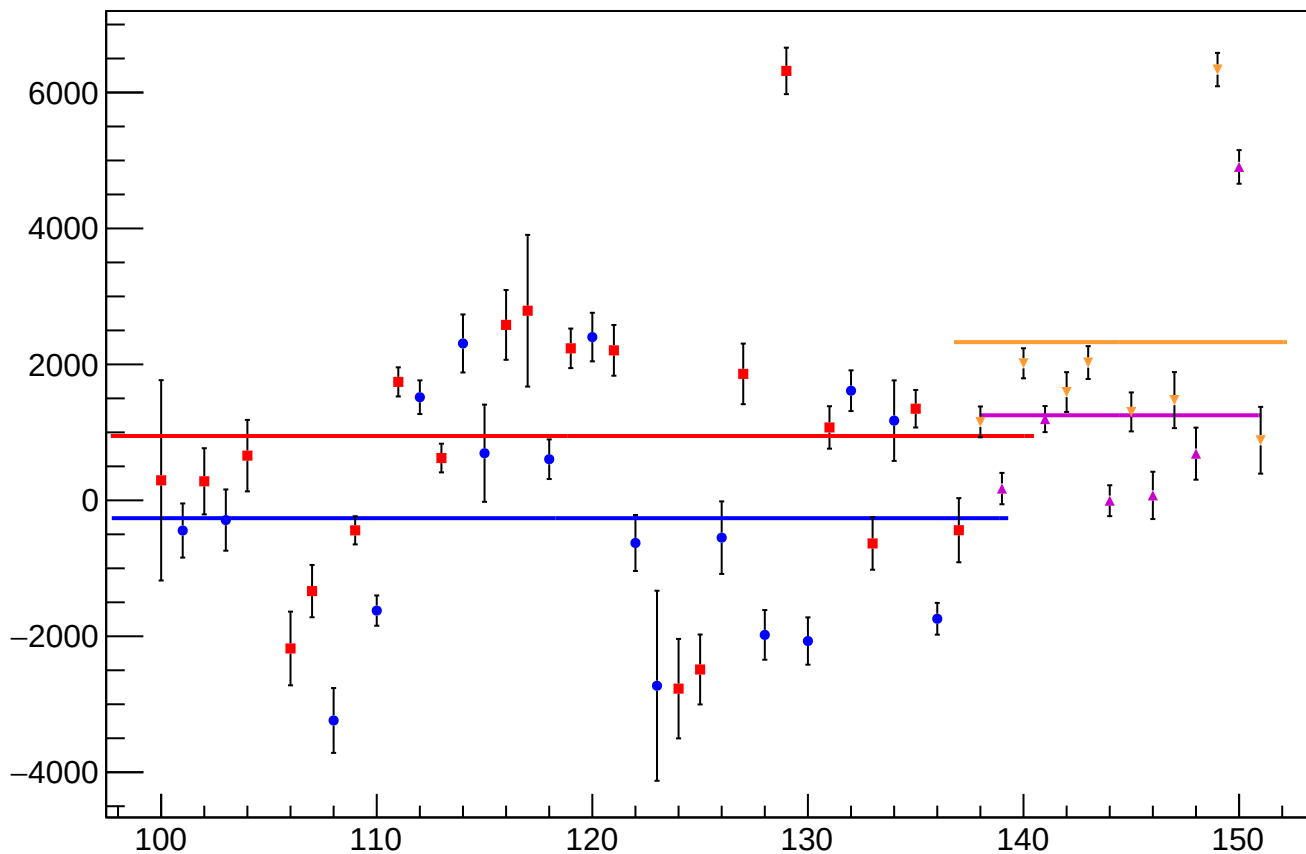
207.552 $\pm$ 0.044 χ^2 /NDF: 1721840.3/24

Right Out: 186.973 $\pm$ 0.053 χ^2 /NDF: 1395397.8/19

195.628 $\pm$ 0.042 χ^2 /NDF: 1867720.9/25

Left In: 210.457 $\pm$ 0.069 χ^2 /NDF: 399961.5/5

asym_bpm0l05WS_mean vs Slug



Right In: -262.324 ± 85.433 χ^2/NDF : 368.7/16

Left Out: 2327.473 ± 96.420 χ^2/NDF : 328.9/7

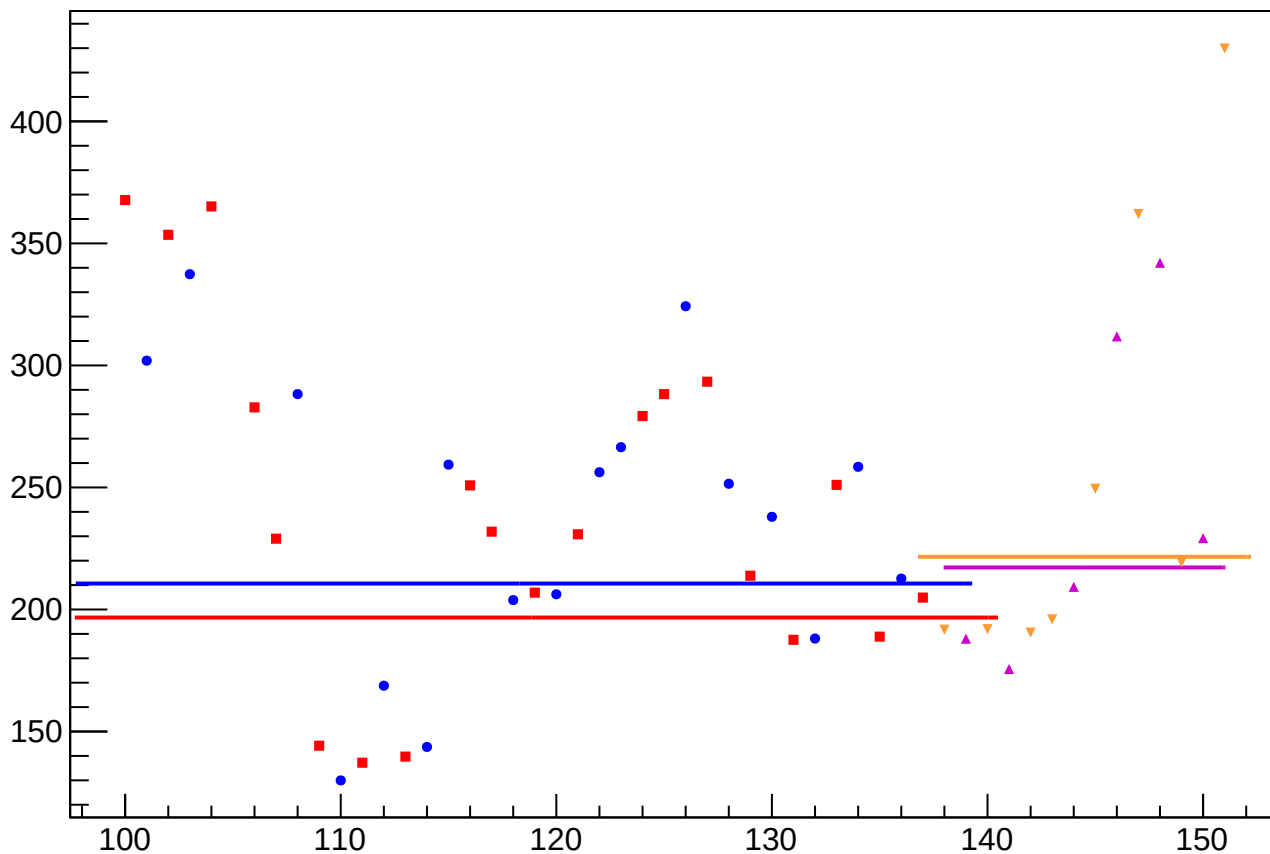
Right Out: 946.785 ± 78.241 χ^2/NDF : 524.6/19

Left In: 1251.413 ± 101.705 χ^2/NDF : 284.2/5

876.683 ± 63.944 χ^2/NDF : 1101.8/24

1060.040 ± 62.014 χ^2/NDF : 814.5/25

asym_bpm0l05WS_rms vs Slug



Right In: 210.636 $\pm$ 0.060 χ^2 /NDF: 875776.4/16

Left Out: 221.588 $\pm$ 0.068 χ^2 /NDF: 726512.1/7

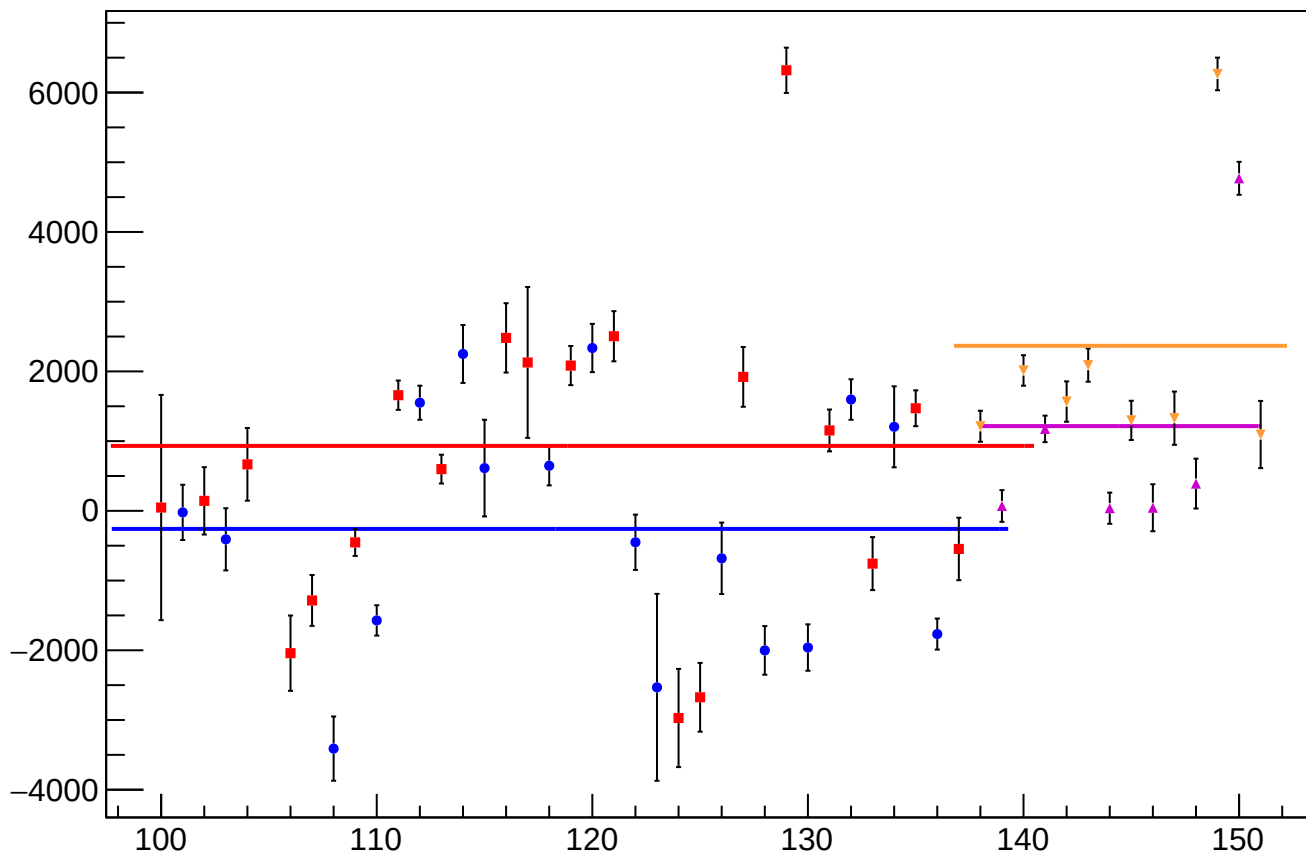
Right Out: 196.702 $\pm$ 0.055 χ^2 /NDF: 1207089.6/19

Left In: 217.216 $\pm$ 0.072 χ^2 /NDF: 493443.1/5

215.453 $\pm$ 0.045 χ^2 /NDF: 1616744.3/24

204.329 $\pm$ 0.044 χ^2 /NDF: 1751647.9/25

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 χ^2/NDF : 391.2/16

Left Out: 2367.311 ± 94.215 χ^2/NDF : 345.1/7

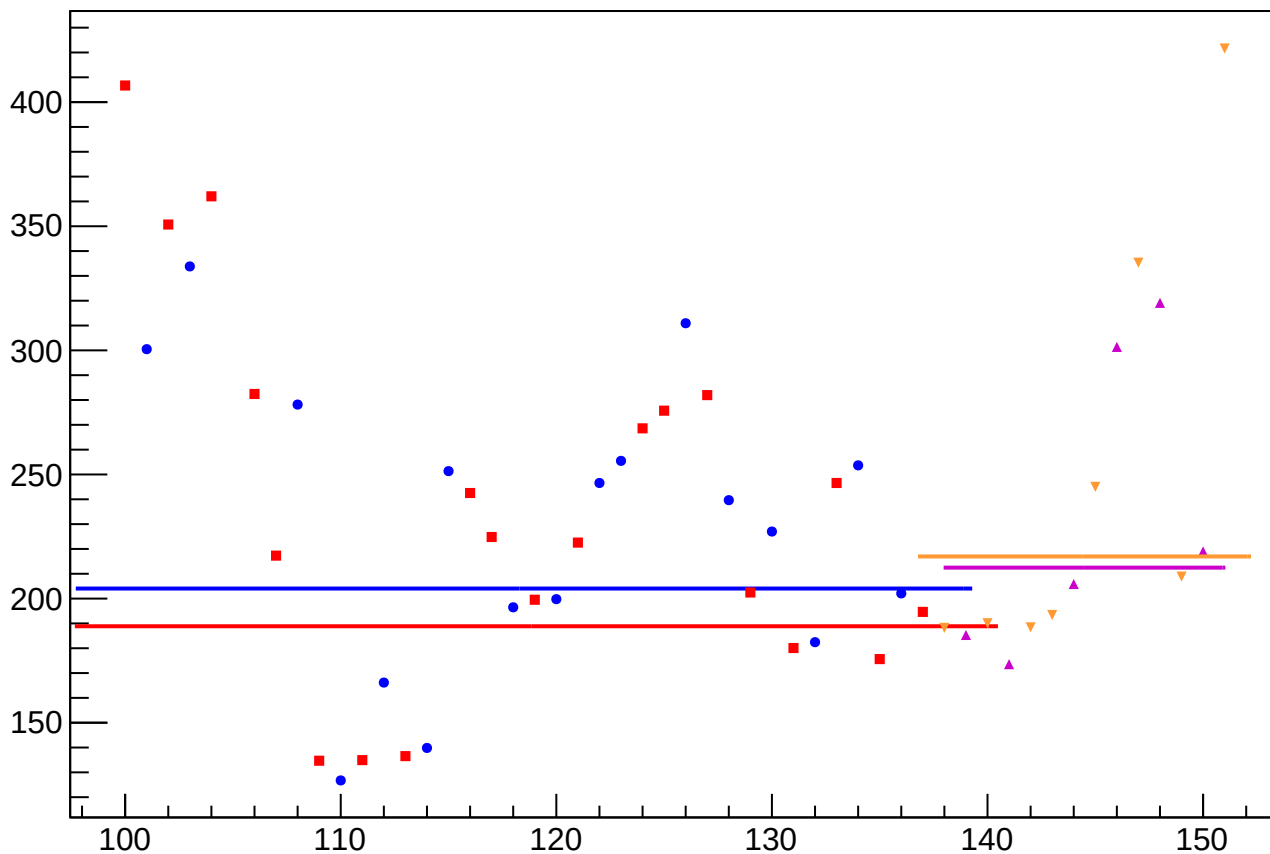
Right Out: 931.363 ± 75.320 χ^2/NDF : 583.1/19

Left In: 1215.526 ± 99.199 χ^2/NDF : 296.6/5

885.453 ± 62.196 χ^2/NDF : 1174.8/24

1035.279 ± 59.988 χ^2/NDF : 884.9/25

asym_bpm0l06WS_rms vs Slug



Right In: 204.051+/-0.059 χ^2/NDF : 868423.0/16

Left Out: 216.974+/-0.067 χ^2/NDF : 677575.1/7

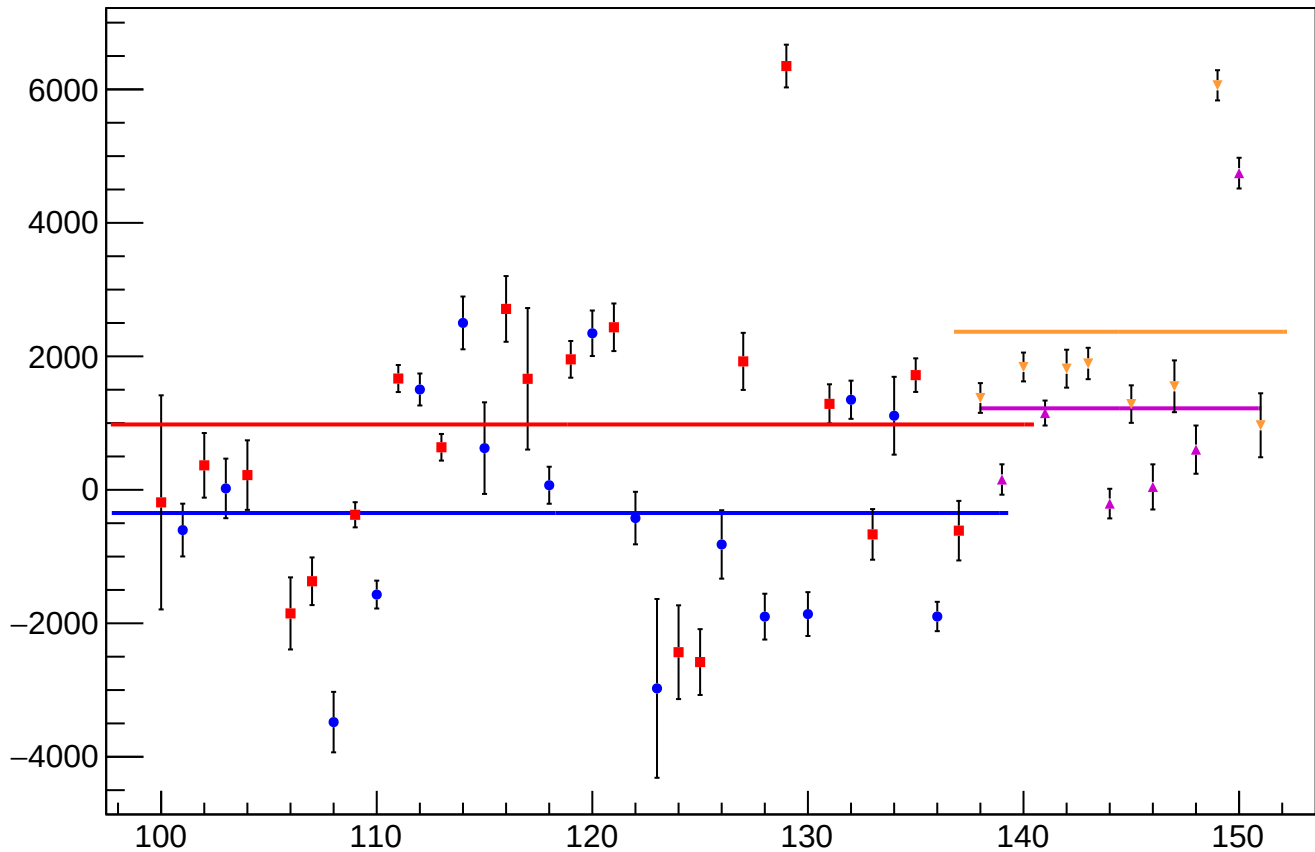
Right Out: 188.856+/-0.053 χ^2/NDF : 1253327.1/19

Left In: 212.467+/-0.070 χ^2/NDF : 433149.0/5

209.683+/-0.044 χ^2/NDF : 1567227.8/24

197.490+/-0.042 χ^2/NDF : 1758346.2/25

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 ± 81.318 $\chi^2/\text{NDF}: 399.1/16$

Left Out: 2368.630 ± 93.191 $\chi^2/\text{NDF}: 327.3/7$

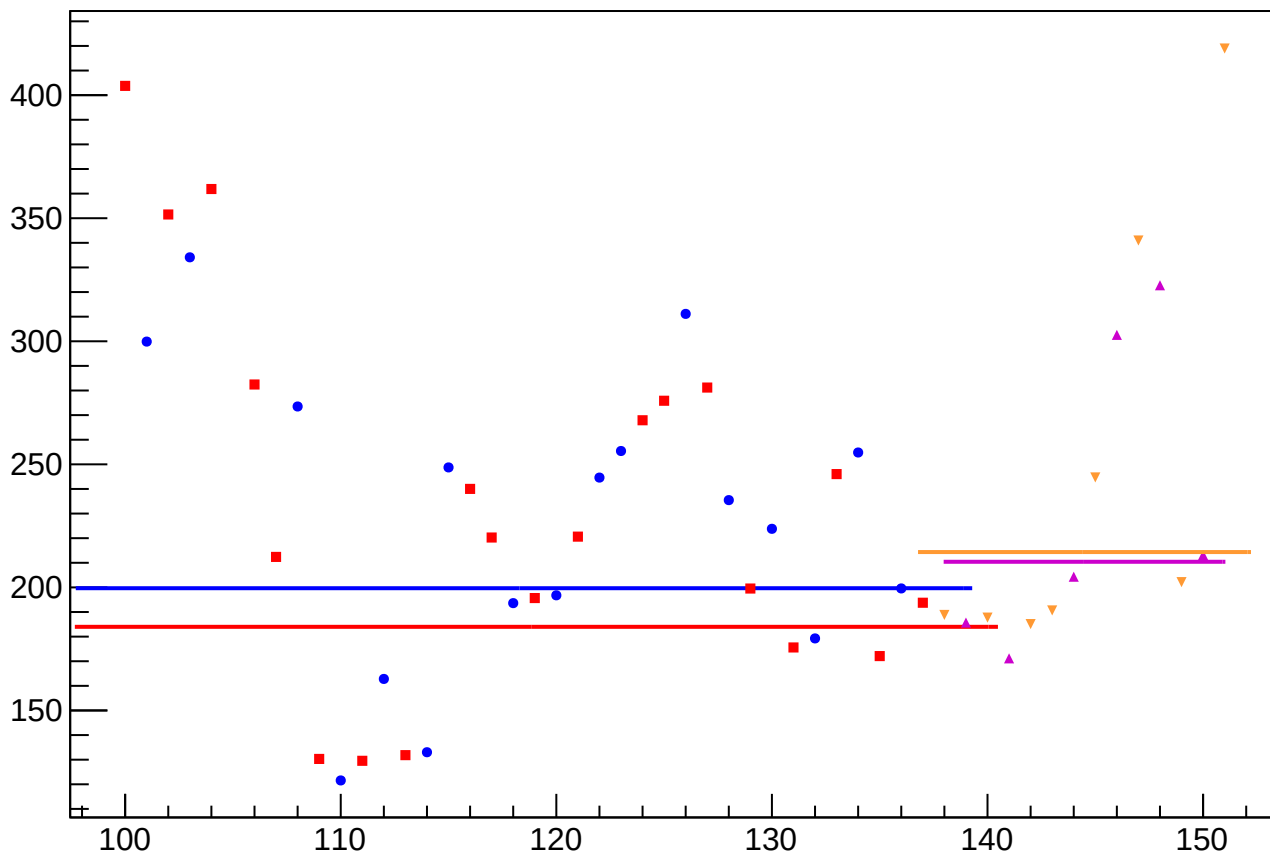
Right Out: 979.606 ± 73.710 $\chi^2/\text{NDF}: 586.1/19$

Left In: 1221.221 ± 98.353 $\chi^2/\text{NDF}: 313.0/5$

826.761 ± 61.271 $\chi^2/\text{NDF}: 1208.6/24$

1066.505 ± 58.984 $\chi^2/\text{NDF}: 902.9/25$

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 $\pm$ 0.058 χ^2 /NDF: 943155.1/16

Left Out: 214.364 $\pm$ 0.066 χ^2 /NDF: 704343.8/7

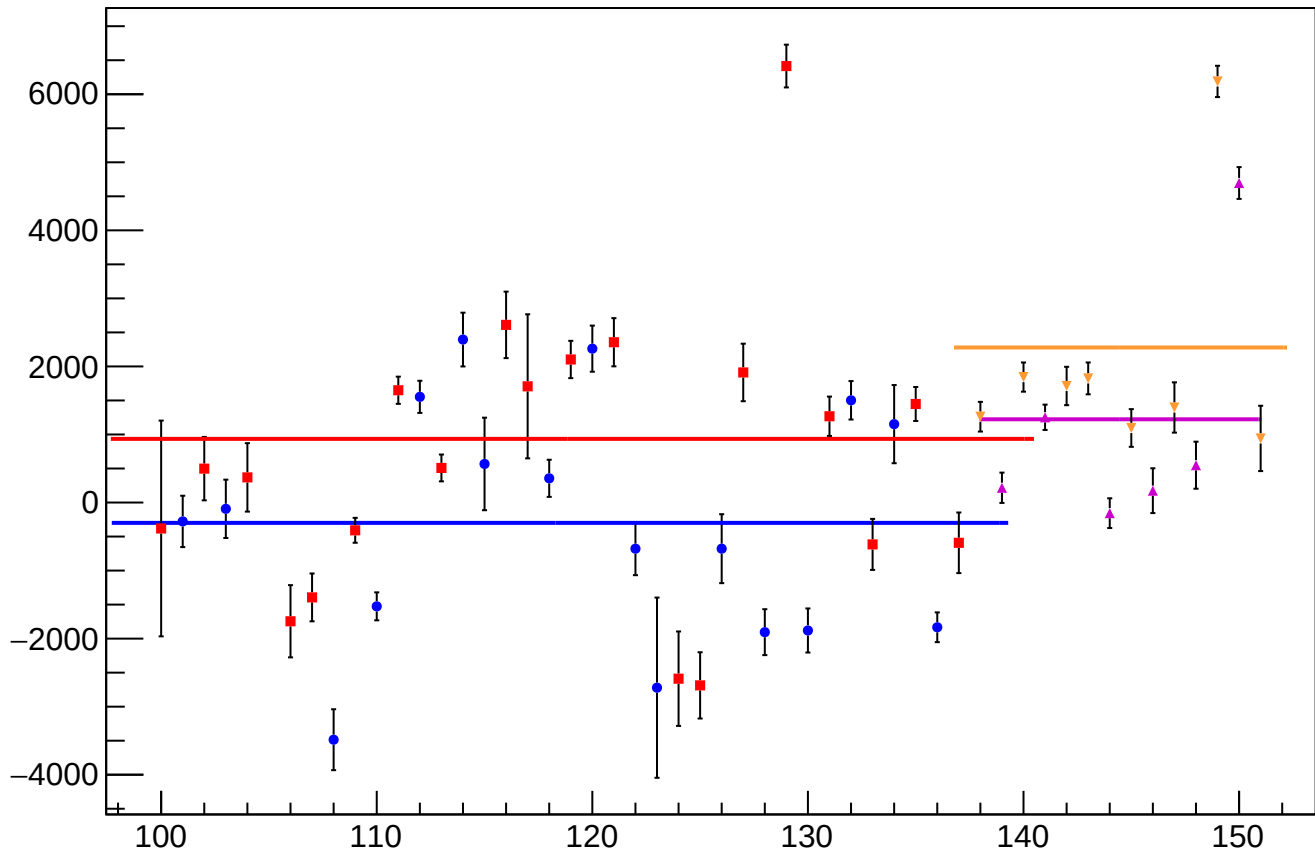
206.021 $\pm$ 0.043 χ^2 /NDF: 1675730.3/24

Right Out: 183.984 $\pm$ 0.052 χ^2 /NDF: 1351978.1/19

193.488 $\pm$ 0.042 χ^2 /NDF: 1899556.8/25

Left In: 210.409 $\pm$ 0.070 χ^2 /NDF: 455131.0/5

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 2278.355 ± 92.364 χ^2/NDF : 354.4/7

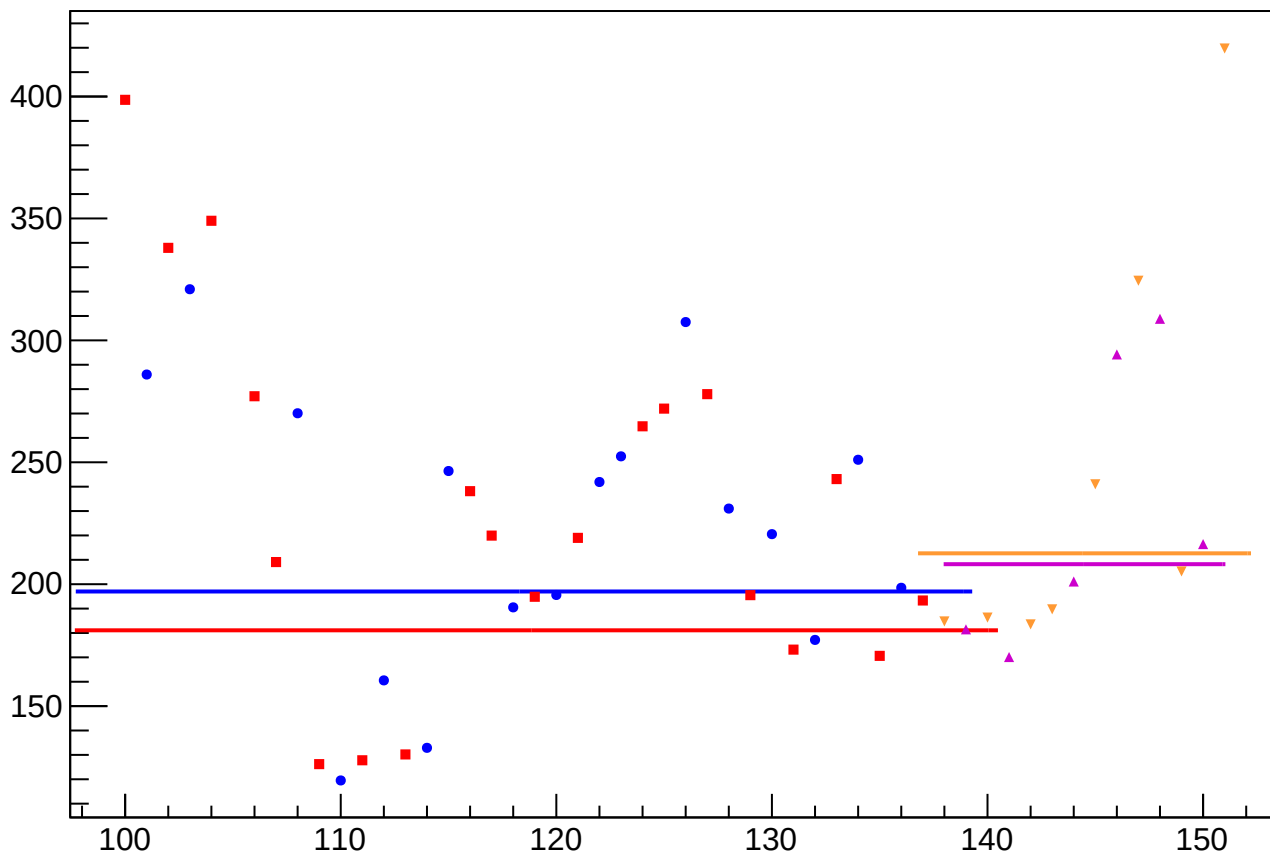
Right Out: 935.490 ± 72.580 χ^2/NDF : 615.3/19

Left In: 1223.100 ± 97.185 χ^2/NDF : 295.2/5

808.315 ± 60.541 χ^2/NDF : 1205.1/24

1038.467 ± 58.152 χ^2/NDF : 916.1/25

asym_bpm0l08WS_rms vs Slug



Right In: 197.013+/-0.057 χ^2/NDF : 911923.5/16

Left Out: 212.661+/-0.065 χ^2/NDF : 681604.4/7

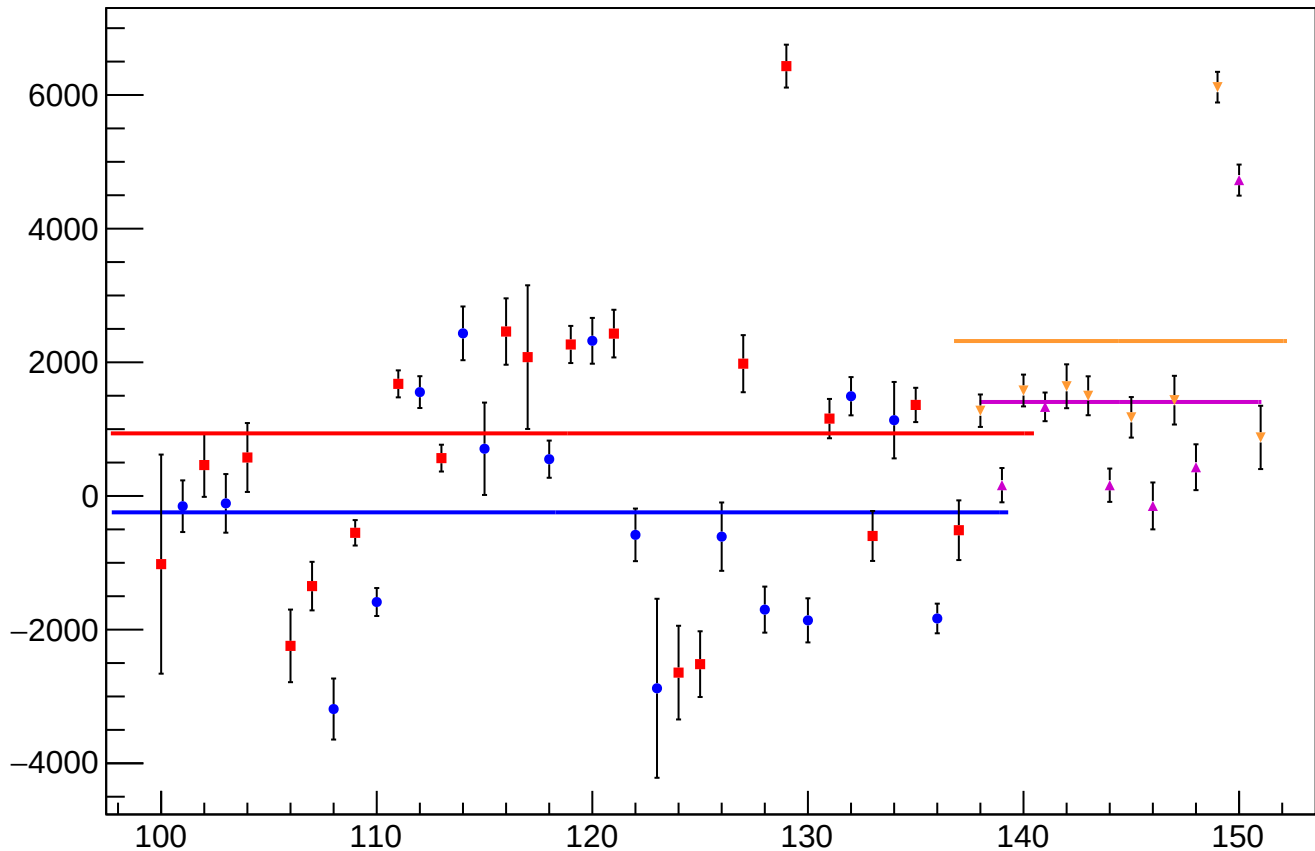
Right Out: 181.089+/-0.051 χ^2/NDF : 1348390.5/19

Left In: 208.212+/-0.069 χ^2/NDF : 423126.6/5

203.736+/-0.043 χ^2/NDF : 1626269.1/24

190.800+/-0.041 χ^2/NDF : 1871513.8/25

asym_bpm0l09WS_mean vs Slug



Right In: -244.925+/-81.395 χ^2/NDF : 391.4/16

Left Out: 2318.463+/-101.248 χ^2/NDF : 343.8/7

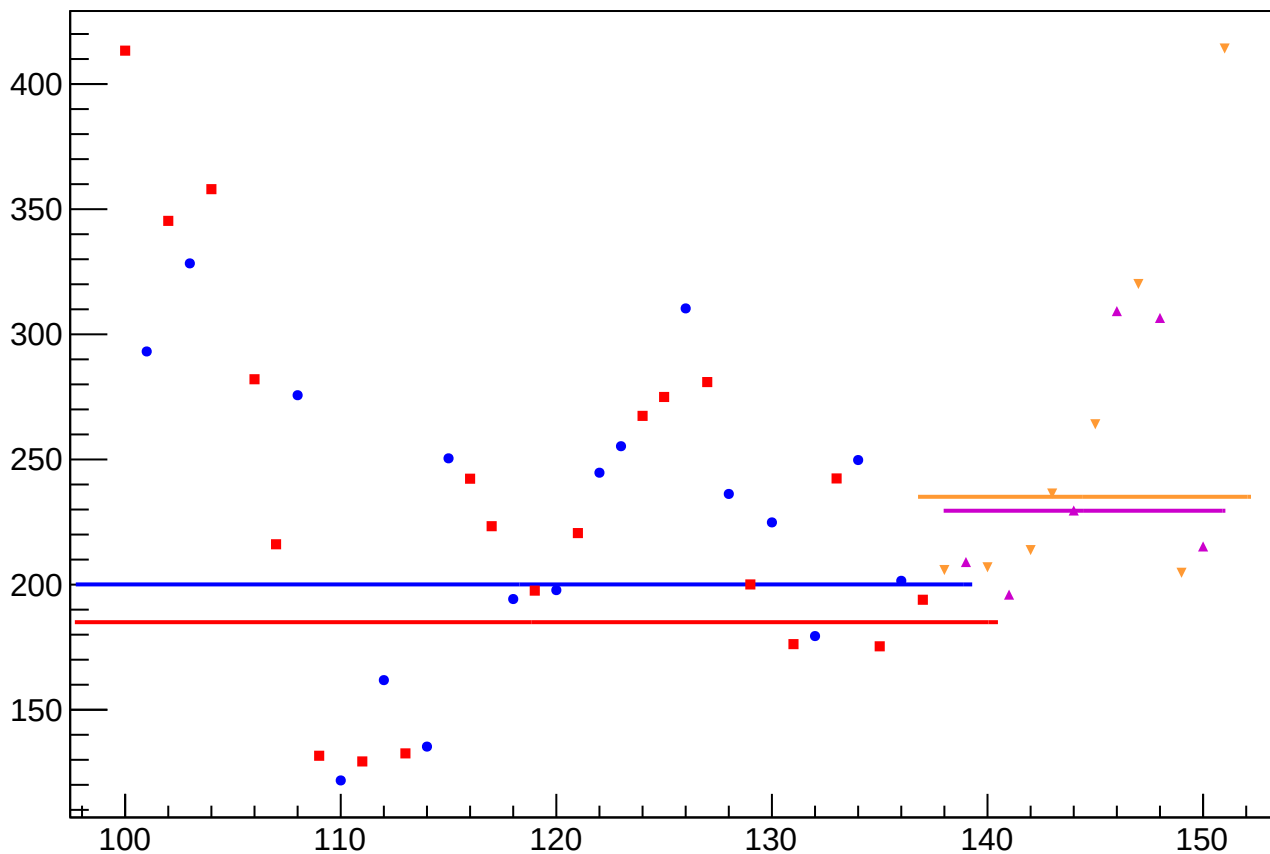
Right Out: 936.709+/-74.030 χ^2/NDF : 610.9/19

Left In: 1406.569+/-106.495 χ^2/NDF : 280.5/5

761.387+/-63.437 χ^2/NDF : 1124.6/24

1089.787+/-60.786 χ^2/NDF : 904.4/25

asym_bpm0l09WS_rms vs Slug



Right In: 200.078+/-0.058 χ^2/NDF : 918309.2/16

Left Out: 235.092+/-0.072 χ^2/NDF :513640.2/7

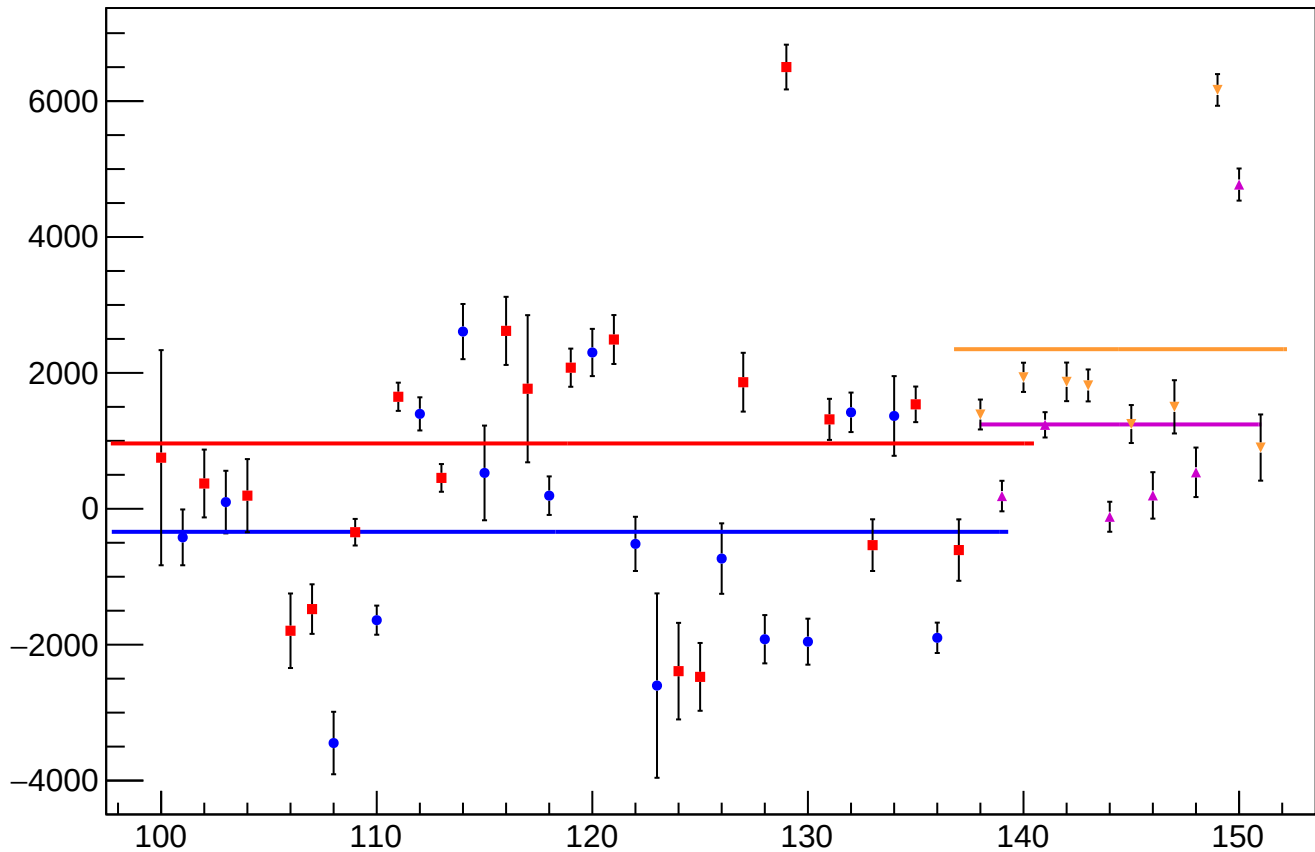
Right Out: 184.990+/-0.052 χ^2/NDF : 1320825.4/19

Left In: 229.518+/-0.075 χ^2/NDF :273423.4/5

213.824+/-0.045 χ^2/NDF : 1577236.8/24

199.497+/-0.043 χ^2/NDF : 1829984.7/25

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 χ^2/NDF : 389.5/16

Left Out: 2348.982 ± 93.394 χ^2/NDF : 327.4/7

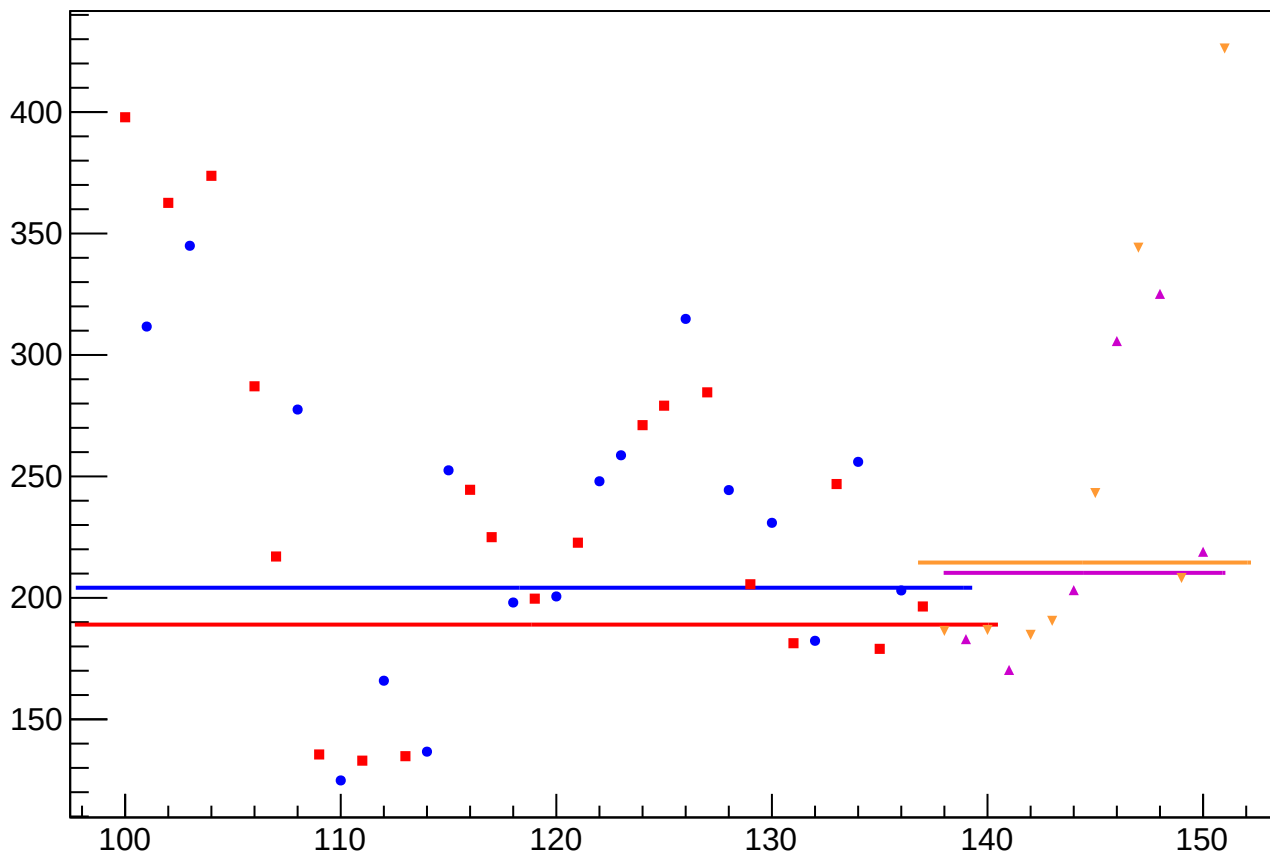
Right Out: 961.556 ± 75.564 χ^2/NDF : 570.9/19

Left In: 1241.479 ± 98.466 χ^2/NDF : 296.1/5

849.126 ± 62.092 χ^2/NDF : 1179.1/24

1065.307 ± 59.946 χ^2/NDF : 872.0/25

asym_bpm0l10WS_rms vs Slug



Right In: 204.175+/-0.059 χ^2/NDF : 947438.5/16

Left Out: 214.547+/-0.066 χ^2/NDF : 727352.4/7

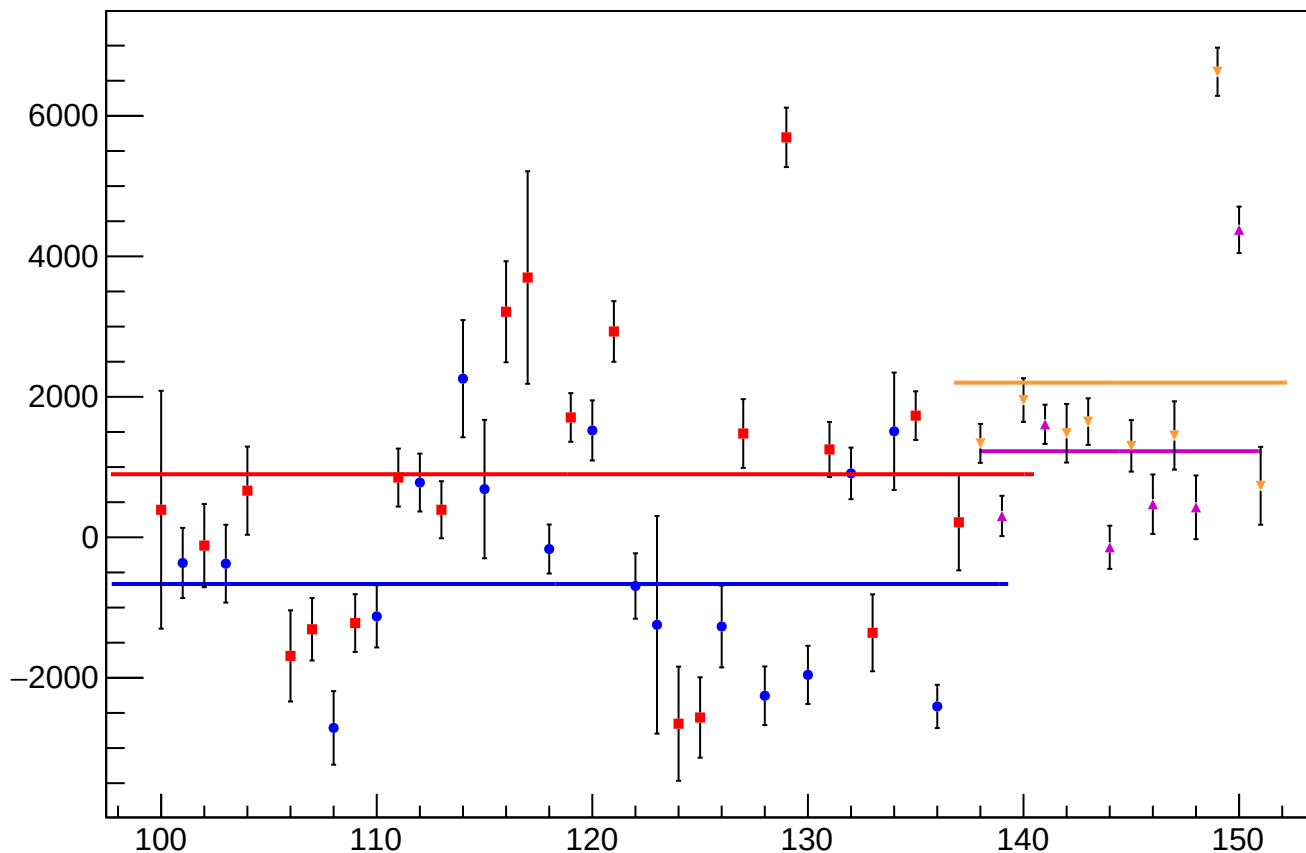
Right Out: 188.997+/-0.053 χ^2/NDF : 1317112.1/19

Left In: 210.303+/-0.070 χ^2/NDF : 481143.9/5

208.760+/-0.044 χ^2/NDF : 1688555.3/24

196.894+/-0.042 χ^2/NDF : 1857190.2/25

asym_bpm0r03WS_mean vs Slug



Right In: -664.383+/-113.949 χ^2/NDF : 154.3/16

Left Out: 2201.846+/-127.396 χ^2/NDF :198.2/7

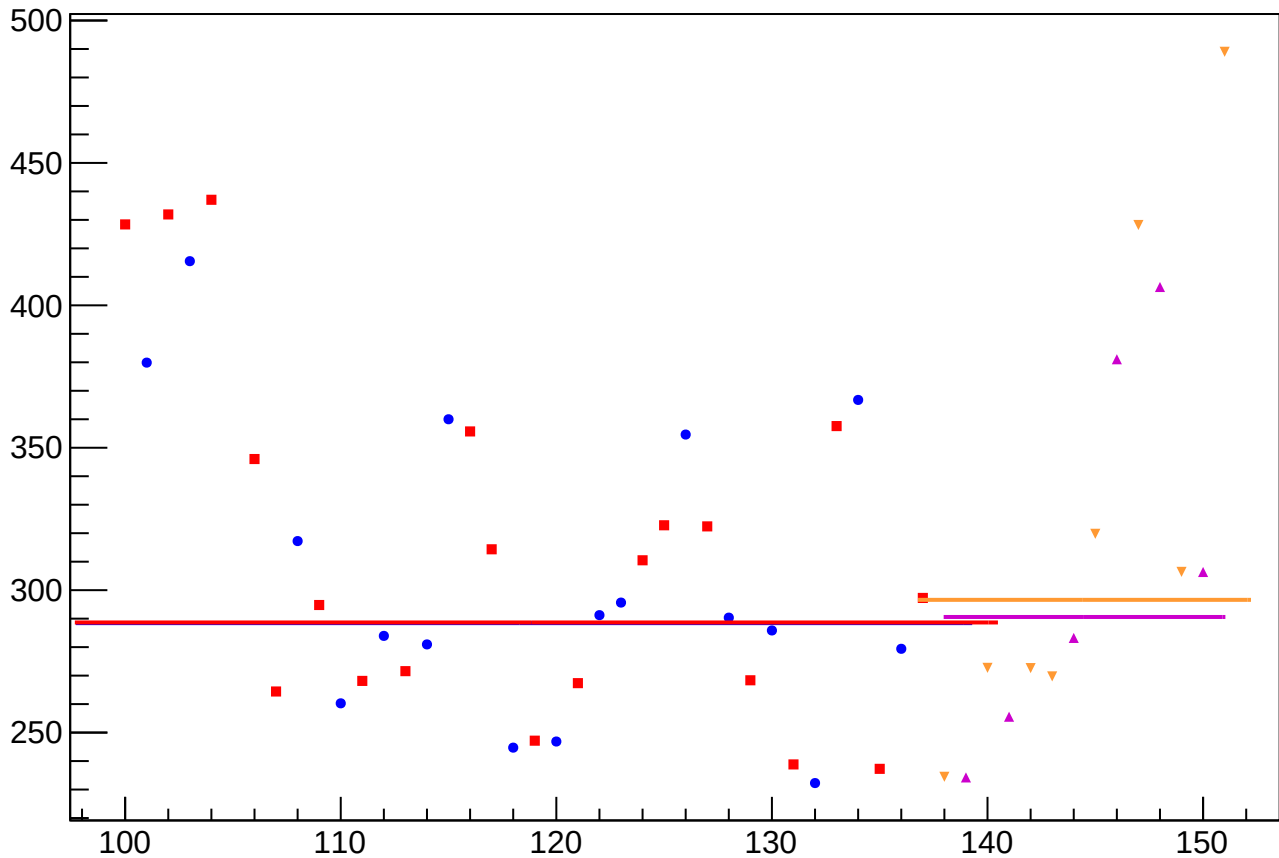
Right Out: 898.290+/-110.578 χ^2/NDF : 323.5/19

Left In: 1225.679+/-134.626 χ^2/NDF :129.2/5

609.522+/-84.932 χ^2/NDF : 633.7/24

1030.182+/-85.449 χ^2/NDF : 456.3/25

asym_bpm0r03WS_rms vs Slug



Right In: 288.428 ± 0.081 χ^2/NDF : 339820.0/16

Left Out: 296.601 ± 0.090 χ^2/NDF : 528960.4/7

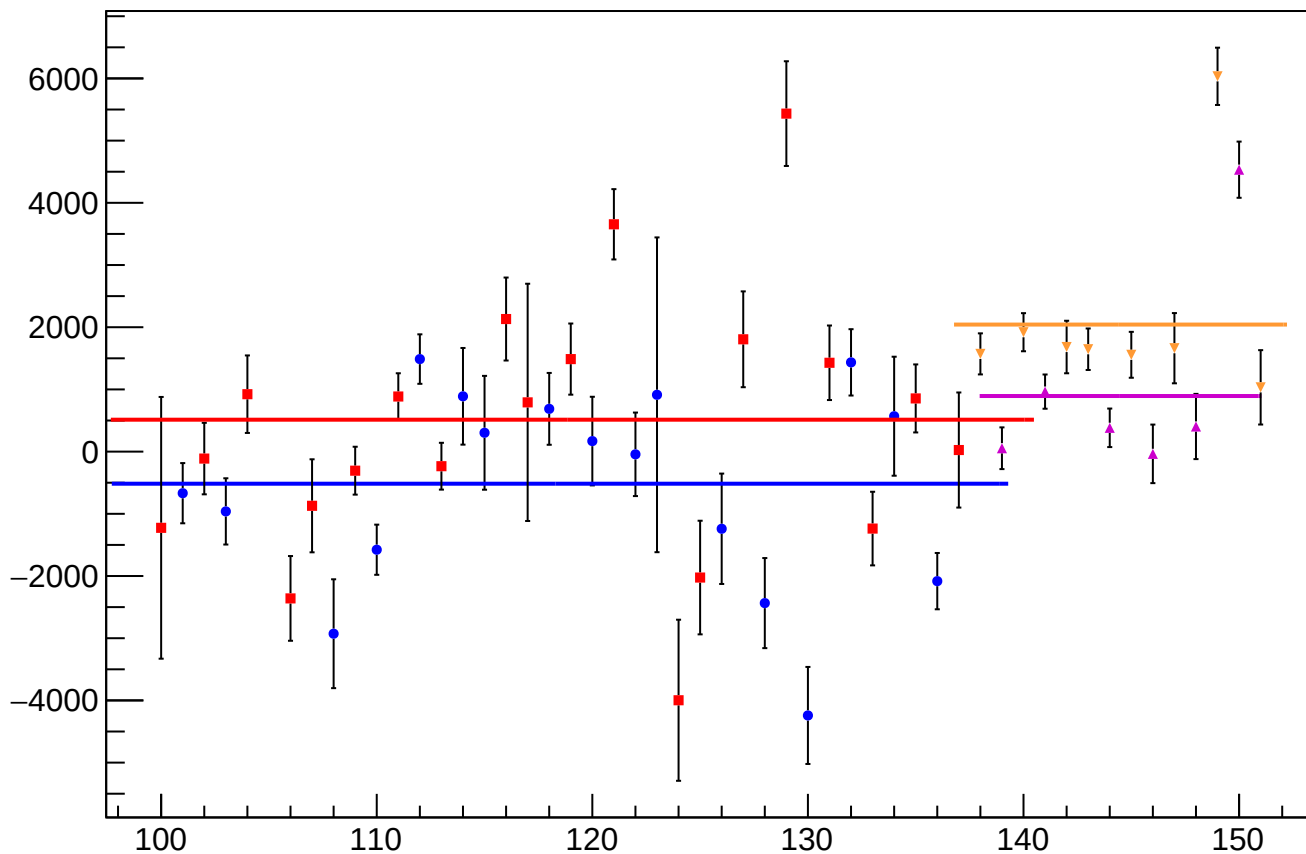
Right Out: 288.660 ± 0.078 χ^2/NDF : 455989.7/19

Left In: 290.588 ± 0.095 χ^2/NDF : 336096.8/5

292.061 ± 0.060 χ^2/NDF : 873353.5/24

289.437 ± 0.060 χ^2/NDF : 792331.5/25

asym_bpm0r05WS_mean vs Slug



Right In: -515.894 ± 147.326 $\chi^2/\text{NDF}: 108.0/16$

Left Out: 2042.692 ± 138.123 $\chi^2/\text{NDF}: 84.4/7$

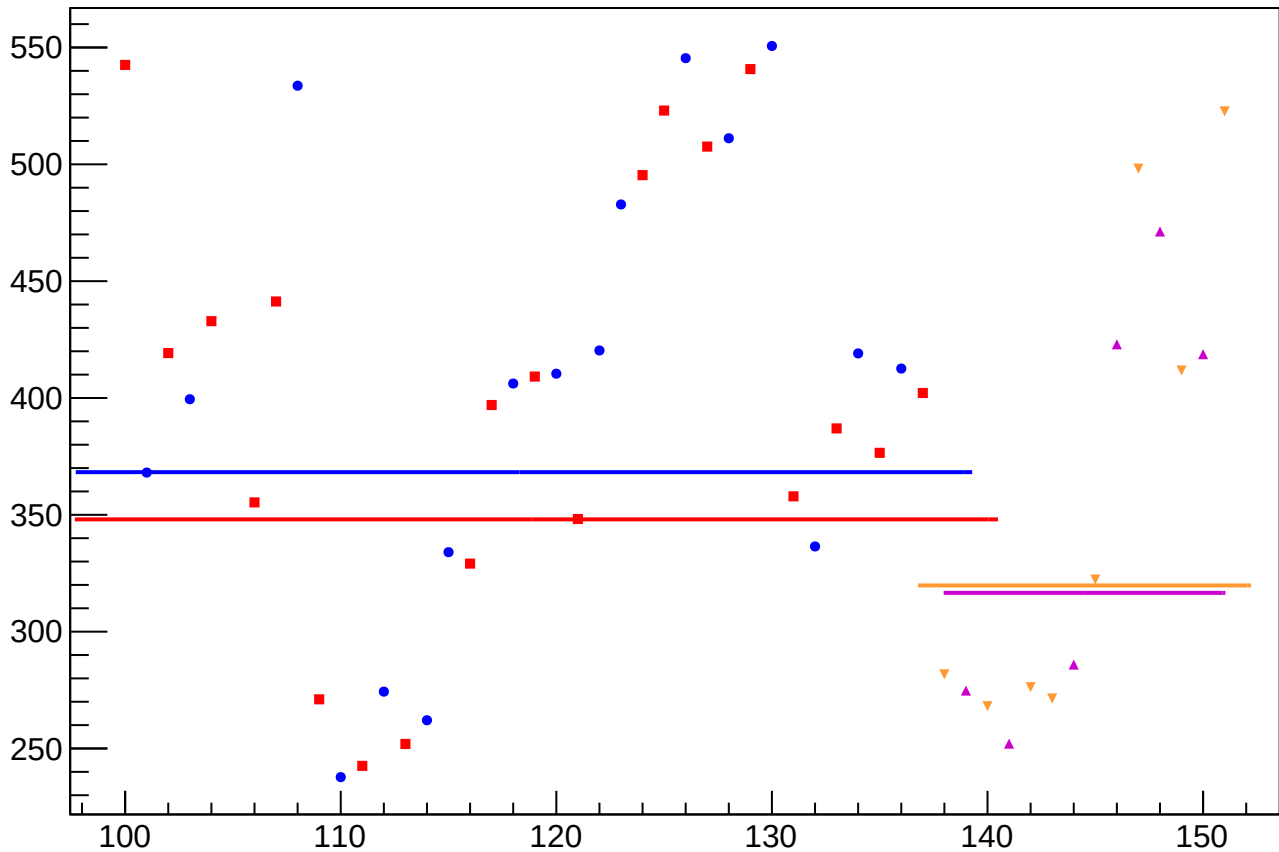
Right Out: 513.264 ± 135.456 $\chi^2/\text{NDF}: 141.3/19$

Left In: 893.925 ± 148.135 $\chi^2/\text{NDF}: 78.7/5$

845.806 ± 100.764 $\chi^2/\text{NDF}: 353.0/24$

686.609 ± 99.964 $\chi^2/\text{NDF}: 223.6/25$

asym_bpm0r05WS_rms vs Slug



Right In: 368.264 $\pm$ 0.104 χ^2 /NDF: 770116.6/16

Left Out: 319.780 $\pm$ 0.098 χ^2 /NDF: 656570.8/7

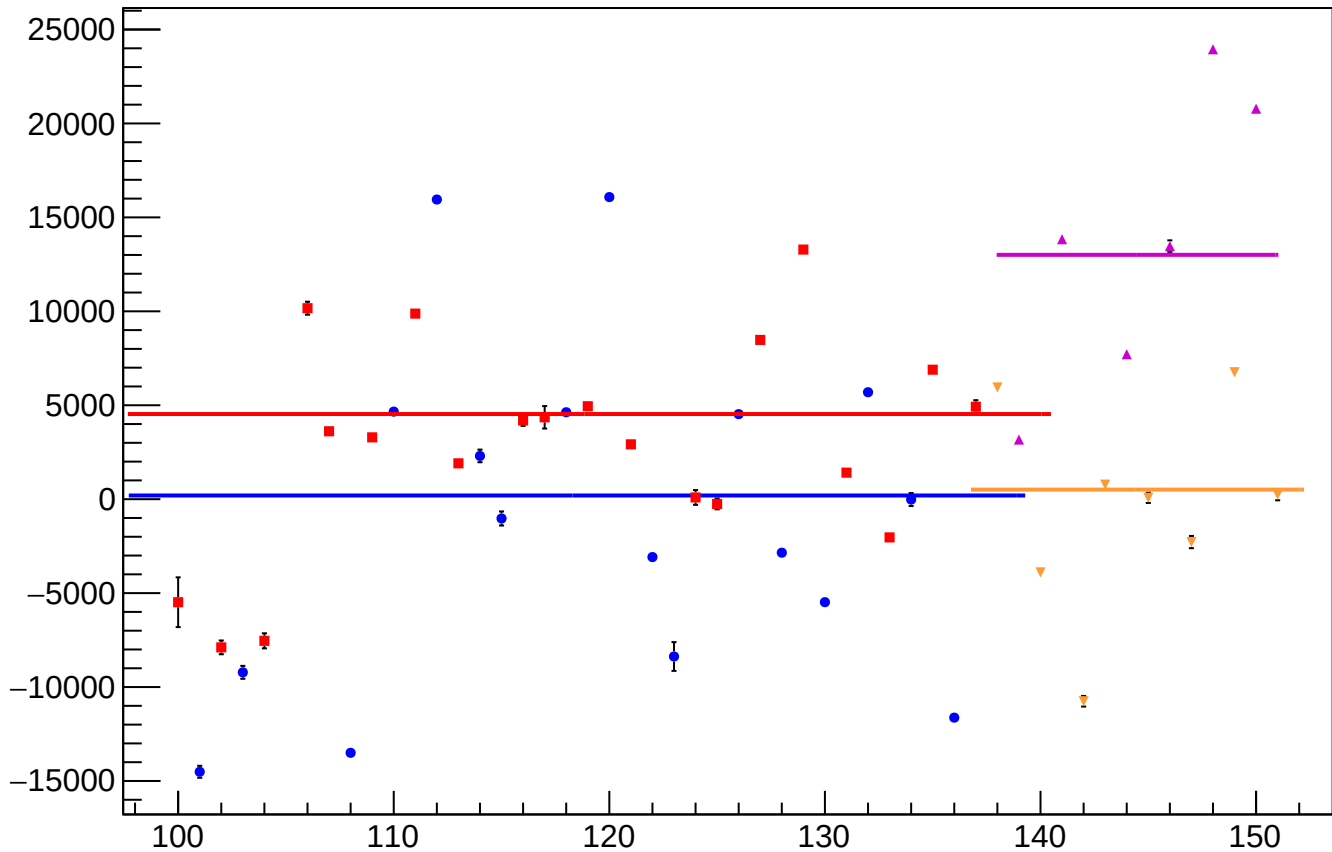
Right Out: 348.050 $\pm$ 0.096 χ^2 /NDF: 823186.4/19

Left In: 316.596 $\pm$ 0.105 χ^2 /NDF: 539164.1/5

342.460 $\pm$ 0.071 χ^2 /NDF: 1541968.2/24

333.727 $\pm$ 0.071 χ^2 /NDF: 1411459.1/25

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 ± 54.799 χ^2/NDF : 30658.3/16

Left Out: 509.603 ± 87.518 χ^2/NDF : 3594.4/7

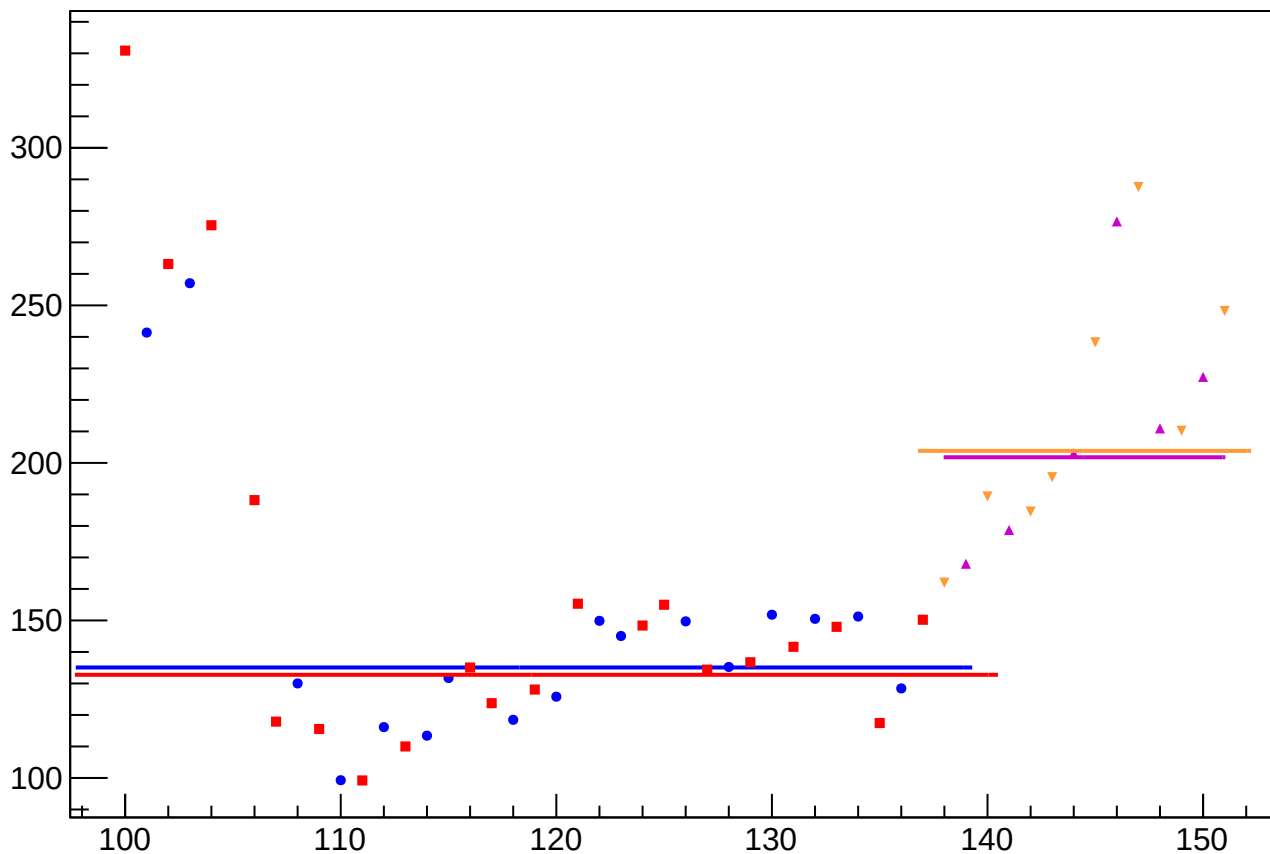
Right Out: 4532.856 ± 52.261 χ^2/NDF : 7477.3/19

Left In: 13006.402 ± 93.559 χ^2/NDF : 5882.9/5

285.046 ± 46.445 χ^2/NDF : 34261.9/24

6548.003 ± 45.626 χ^2/NDF : 19612.2/25

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 203.825 $\pm$ 0.062 χ^2 /NDF: 326490.5/7

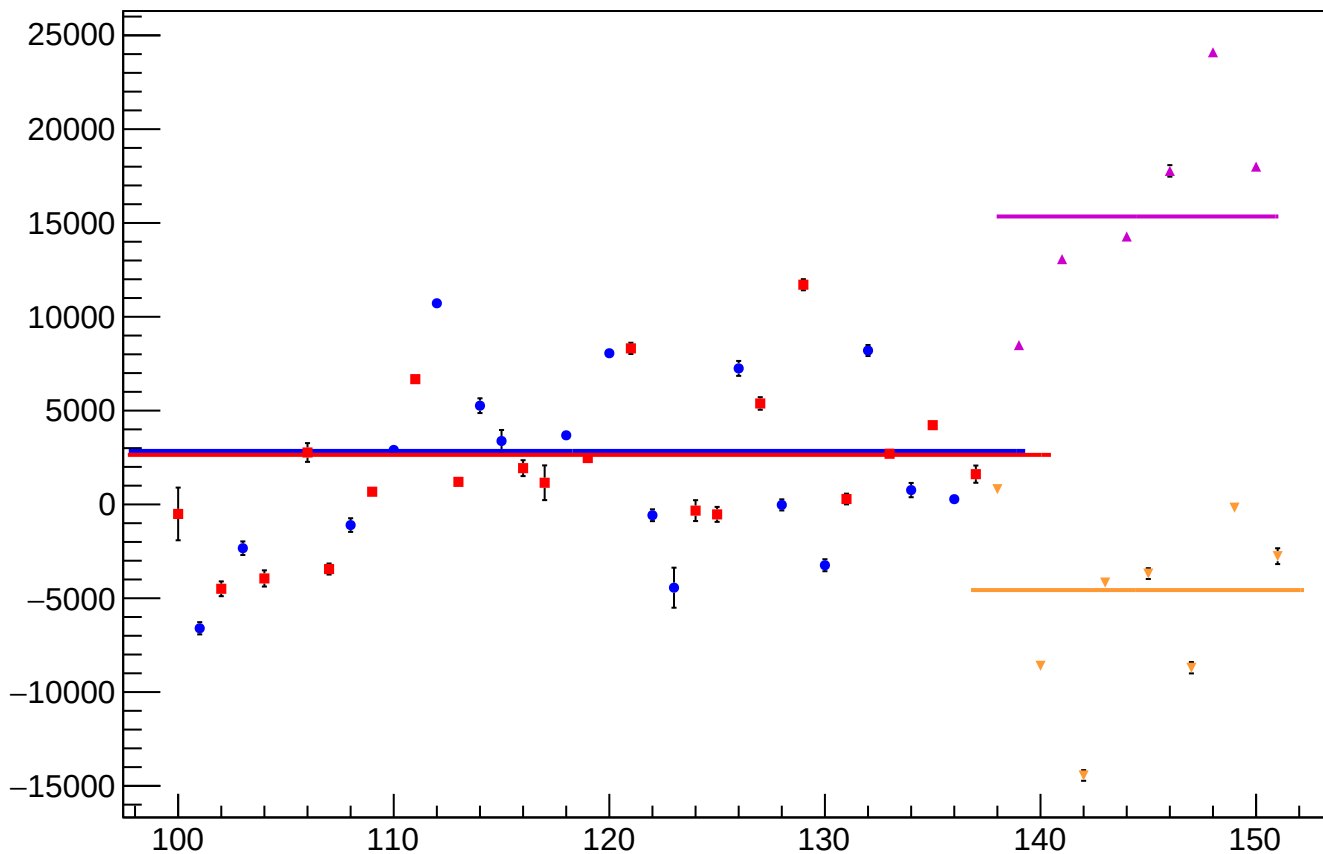
Right Out: 132.747 $\pm$ 0.037 χ^2 /NDF: 831647.2/19

Left In: 201.795 $\pm$ 0.066 χ^2 /NDF: 224851.8/5

154.435 $\pm$ 0.033 χ^2 /NDF: 1871864.0/24

149.168 $\pm$ 0.032 χ^2 /NDF: 1886758.9/25

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437 $\pm$ 70.753 χ^2 /NDF: 4178.1/16

Left Out: -4564.528 $\pm$ 89.610 χ^2 /NDF:2863.8/7

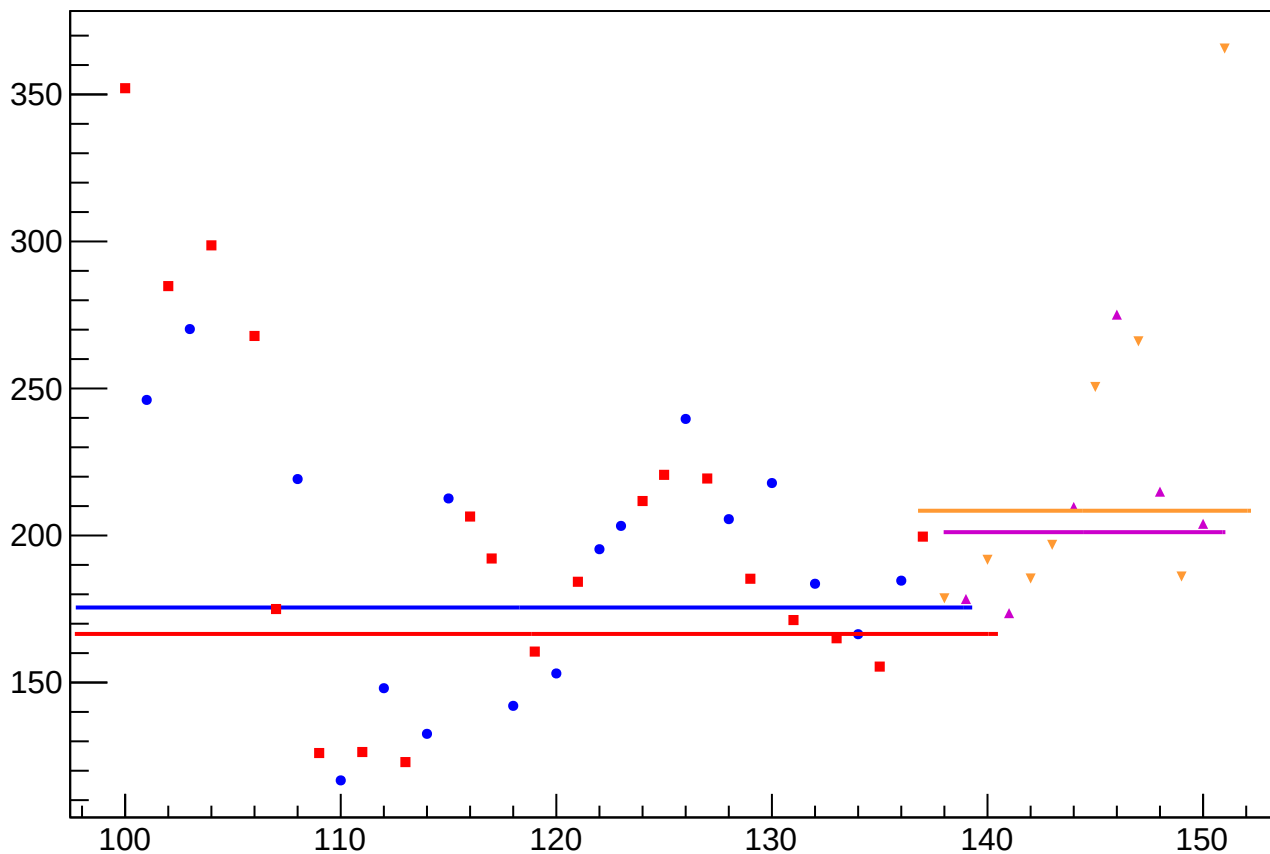
Right Out: 2641.642 $\pm$ 65.566 χ^2 /NDF: 3178.3/19

Left In: 15346.210 $\pm$ 92.839 χ^2 /NDF:2640.5/5

3.576 $\pm$ 55.530 χ^2 /NDF: 11260.8/24

6869.464 $\pm$ 53.556 χ^2 /NDF: 18313.5/25

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 ± 0.050 χ^2/NDF : 689642.3/16

Left Out: 208.422 ± 0.063 χ^2/NDF : 485359.2/7

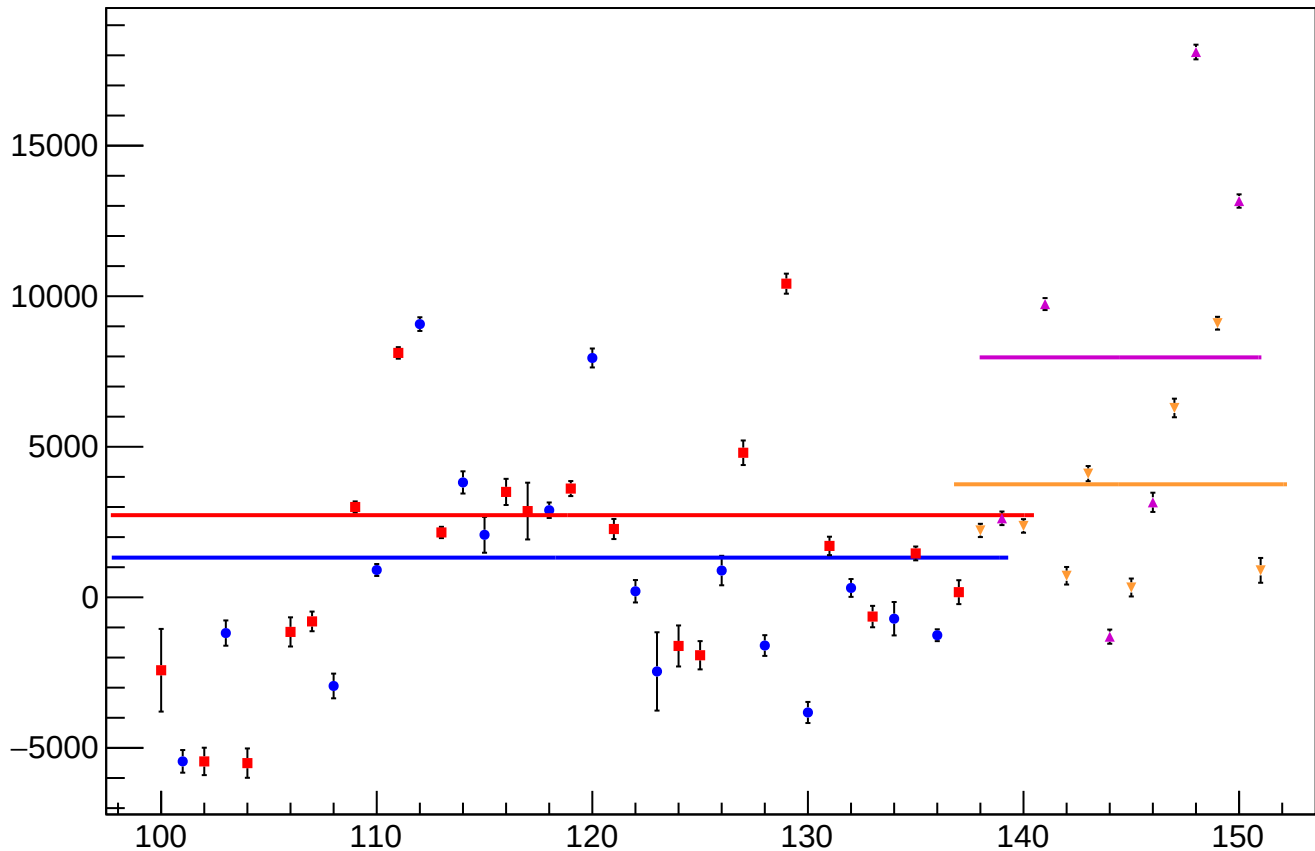
Right Out: 166.522 ± 0.046 χ^2/NDF : 931079.9/19

Left In: 201.135 ± 0.066 χ^2/NDF : 189500.5/5

188.151 ± 0.039 χ^2/NDF : 1341144.8/24

178.041 ± 0.038 χ^2/NDF : 1306065.1/25

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 3754.122+/-92.303 χ^2/NDF : 1074.2/7

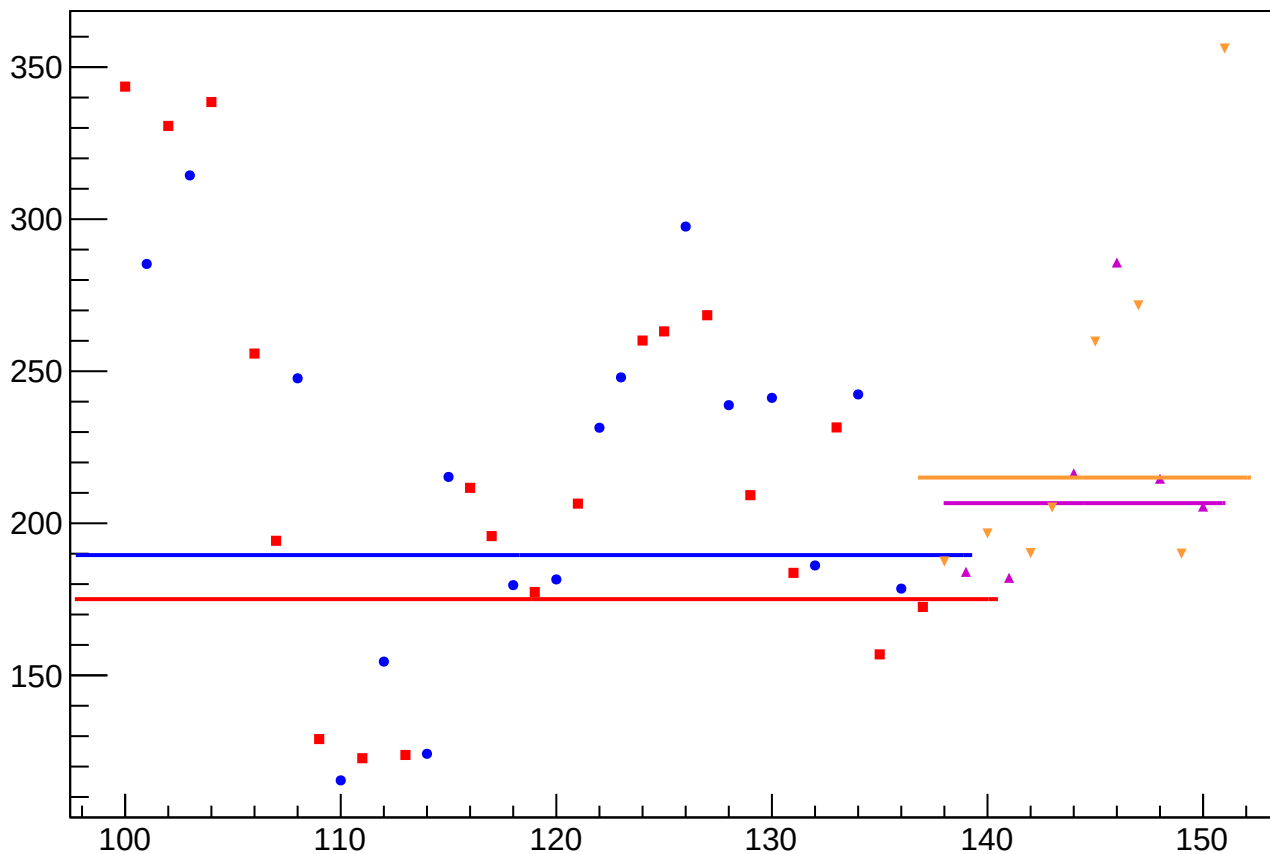
Right Out: 2728.550+/-69.837 χ^2/NDF : 2495.9/19

Left In: 7969.050+/-95.367 χ^2/NDF : 4702.9/5

2320.465+/-59.194 χ^2/NDF : 4151.0/24

4557.830+/-56.345 χ^2/NDF : 9164.4/25

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 ± 0.055 χ^2/NDF : 980744.6/16

Left Out: 215.036 ± 0.065 χ^2/NDF : 436320.7/7

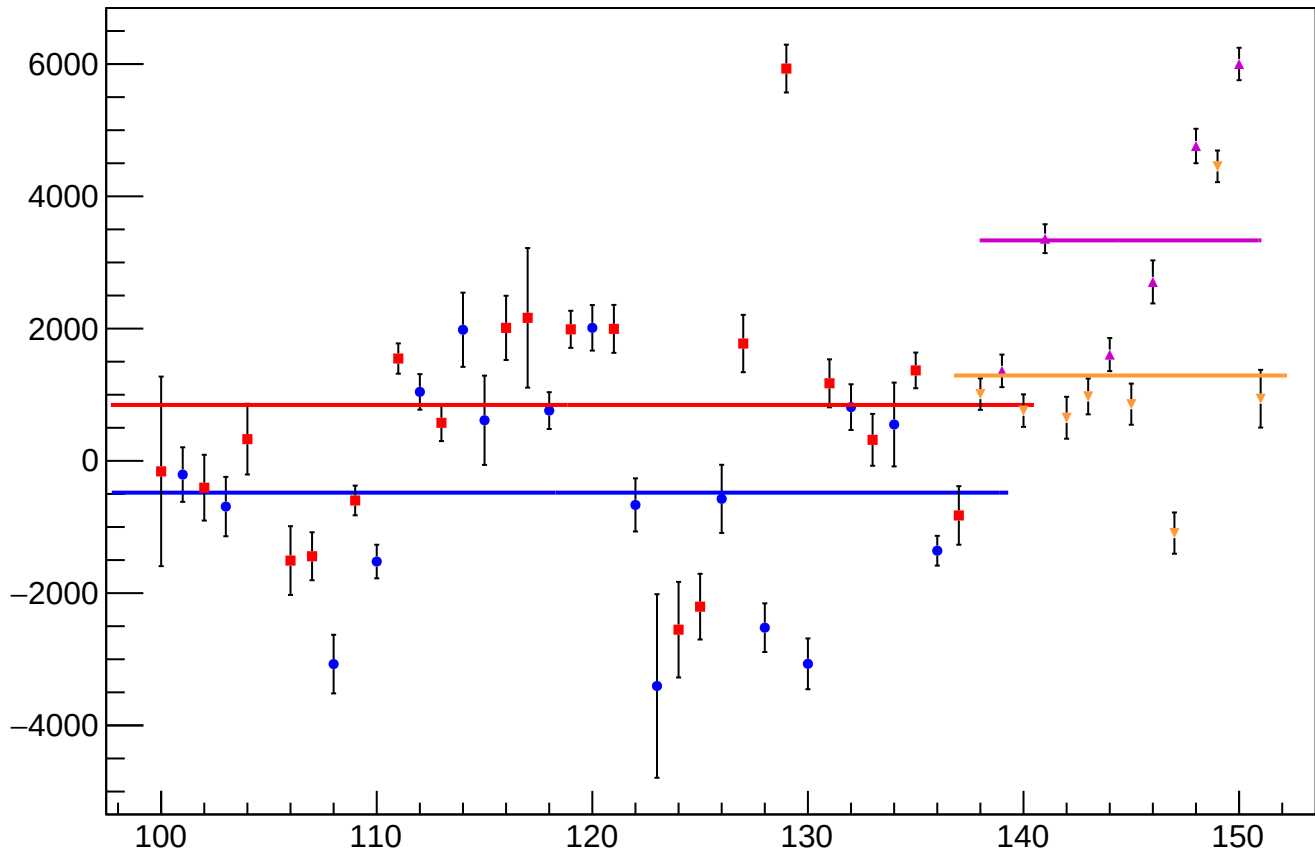
Right Out: 175.058 ± 0.049 χ^2/NDF : 1298079.7/19

Left In: 206.629 ± 0.067 χ^2/NDF : 178878.3/5

200.028 ± 0.042 χ^2/NDF : 1506870.3/24

186.078 ± 0.040 χ^2/NDF : 1619632.4/25

asym_bpm0i07WS_mean vs Slug



Right In: -480.578+/-88.640 χ^2/NDF : 290.7/16

Left Out: 1290.960+/-99.460 χ^2/NDF : 247.1/7

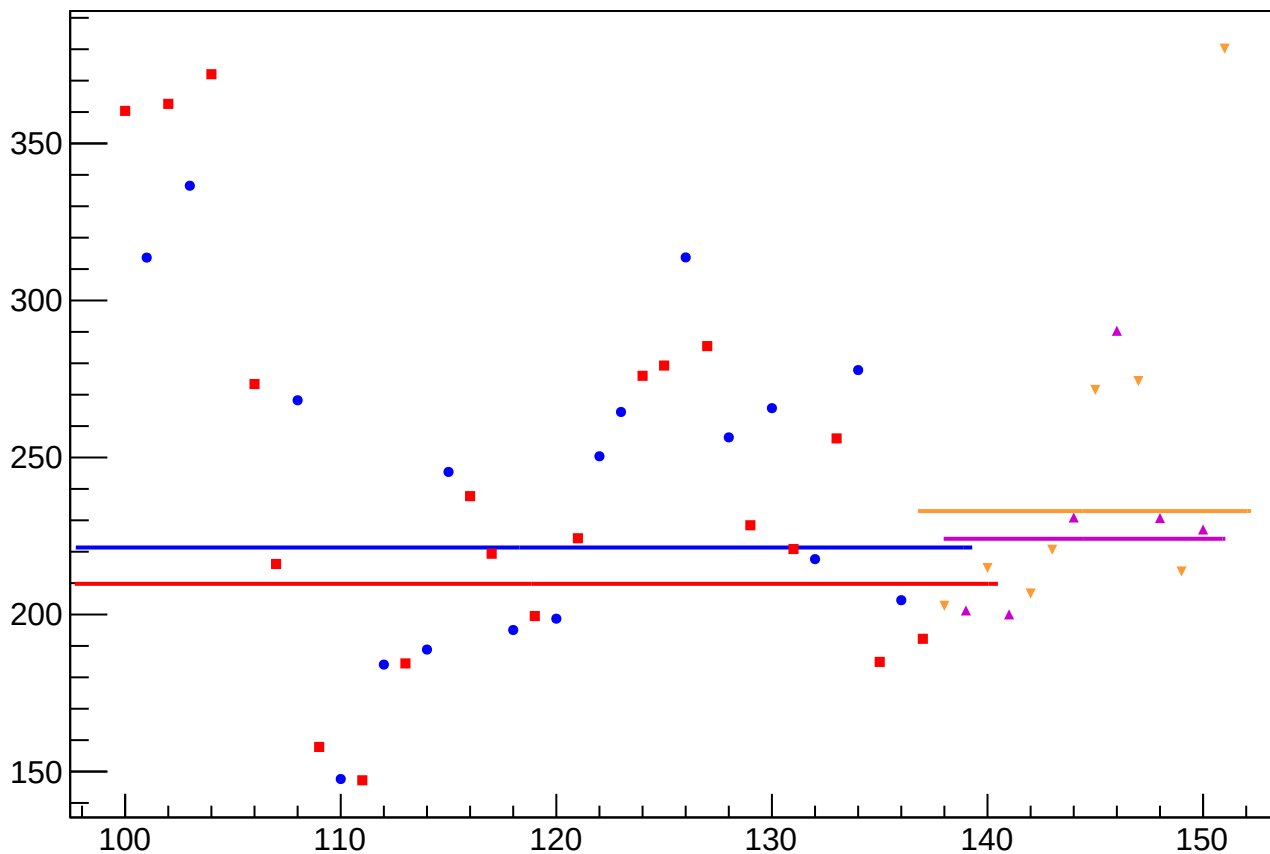
Right Out: 845.444+/-81.995 χ^2/NDF : 436.9/19

Left In: 3333.815+/-103.011 χ^2/NDF : 264.1/5

303.625+/-66.174 χ^2/NDF : 714.6/24

1810.556+/-64.153 χ^2/NDF : 1058.2/25

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 ± 0.063 $\chi^2/\text{NDF}: 645688.1/16$

Left Out: 232.944 ± 0.070 $\chi^2/\text{NDF}: 367580.0/7$

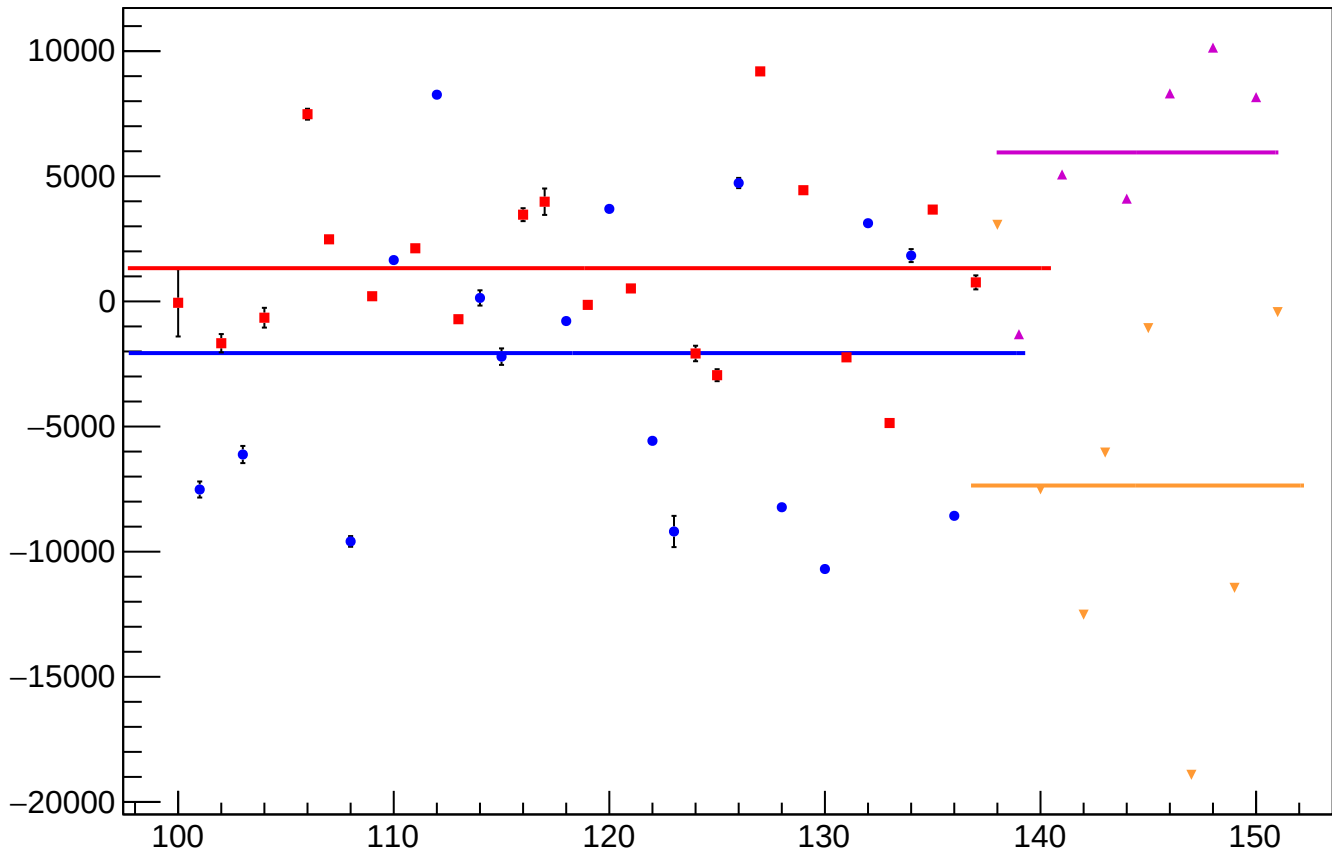
Right Out: 209.775 ± 0.058 $\chi^2/\text{NDF}: 884083.7/19$

Left In: 224.119 ± 0.073 $\chi^2/\text{NDF}: 127352.1/5$

226.478 ± 0.047 $\chi^2/\text{NDF}: 1028436.3/24$

215.338 ± 0.045 $\chi^2/\text{NDF}: 1035174.8/25$

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -7356.596 ± 46.506 $\chi^2/\text{NDF}: 22219.0/7$

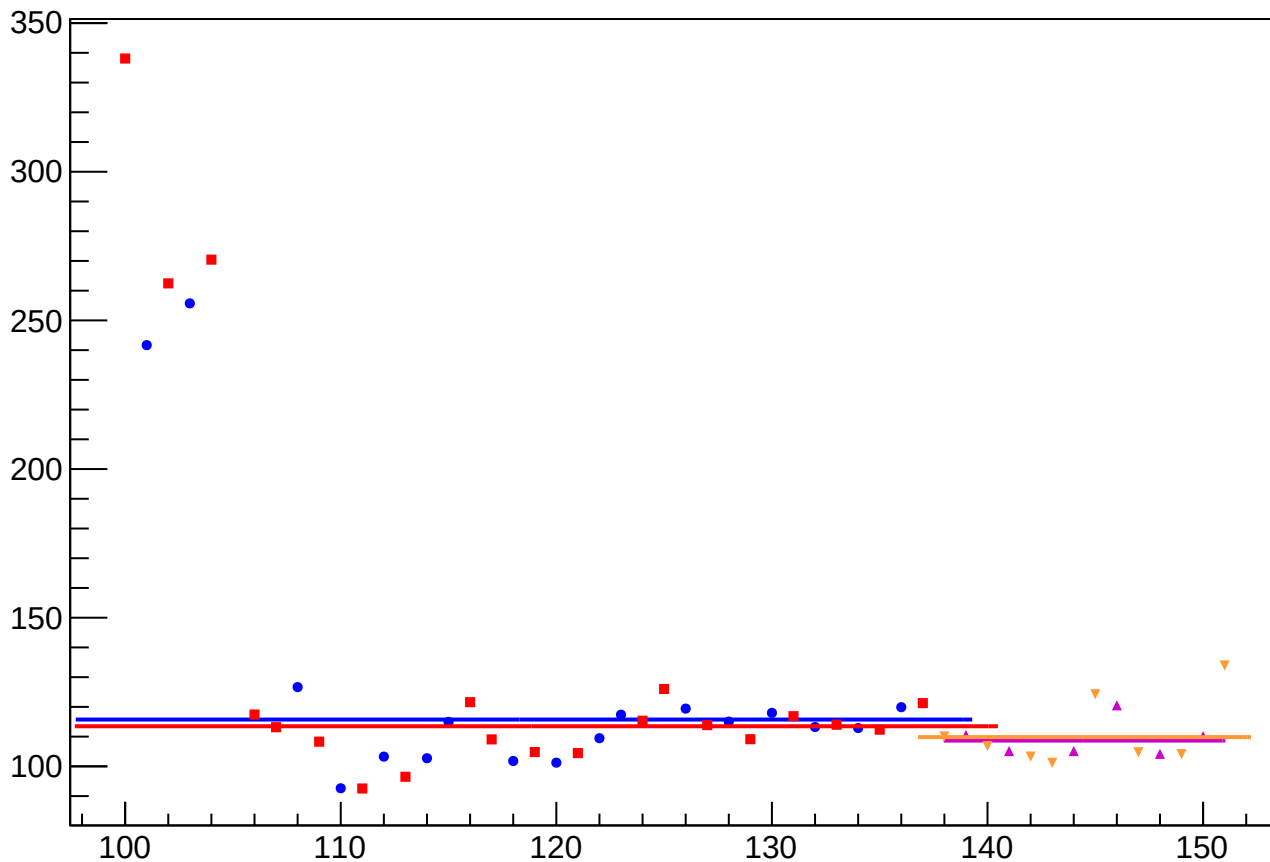
Right Out: 1327.819 ± 44.838 $\chi^2/\text{NDF}: 5919.9/19$

Left In: 5952.278 ± 49.901 $\chi^2/\text{NDF}: 5060.7/5$

-4756.897 ± 33.169 $\chi^2/\text{NDF}: 45112.6/24$

3393.609 ± 33.352 $\chi^2/\text{NDF}: 15732.3/25$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 109.836+/-0.033 χ^2/NDF : 93979.3/7

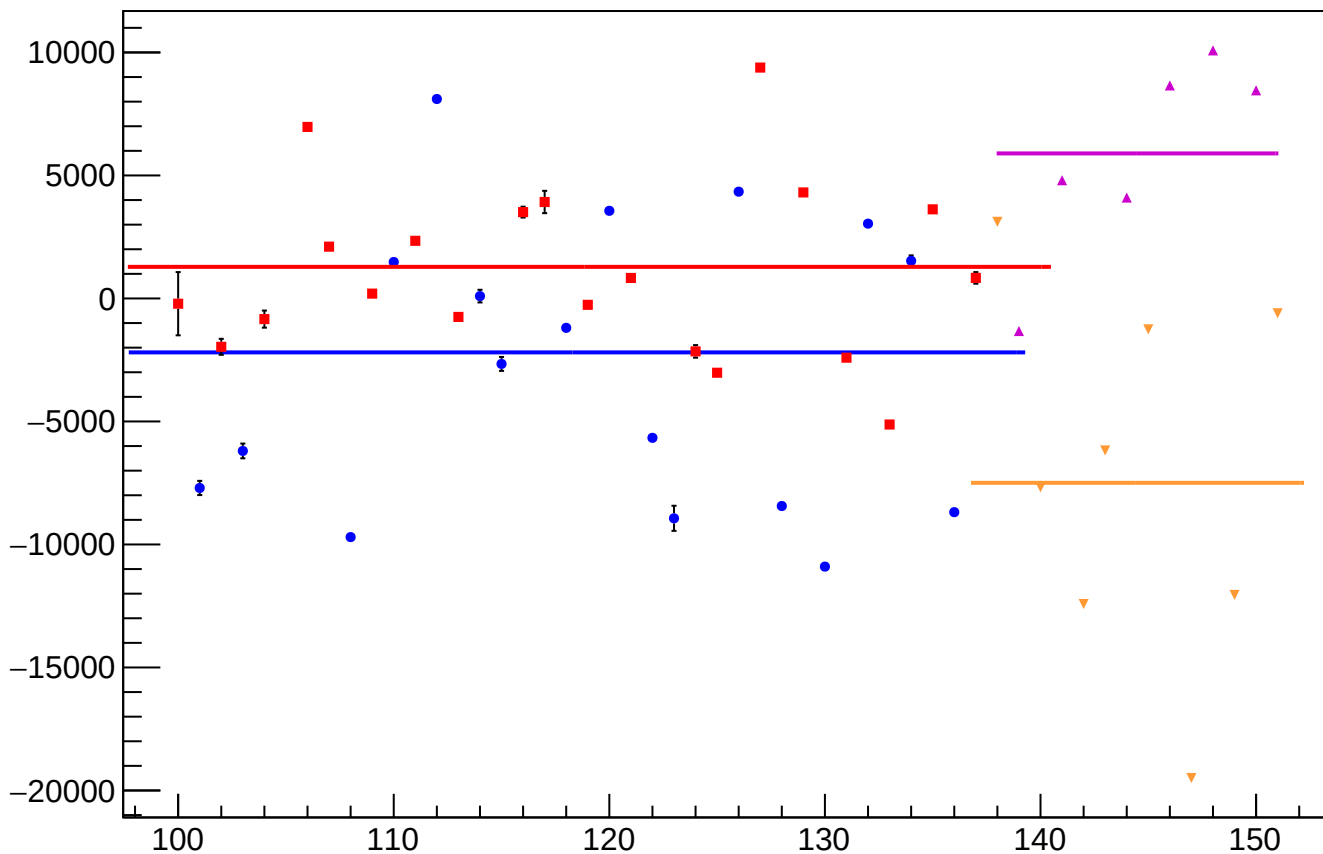
Right Out: 113.487+/-0.032 χ^2/NDF : 796781.7/19

Left In: 108.673+/-0.035 χ^2/NDF : 22739.8/5

112.737+/-0.023 χ^2/NDF : 853836.5/24

111.336+/-0.024 χ^2/NDF : 829820.6/25

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327+/-39.944 χ^2/NDF : 22813.5/16

Left Out: -7494.157+/-42.931 χ^2/NDF : 26807.2/7

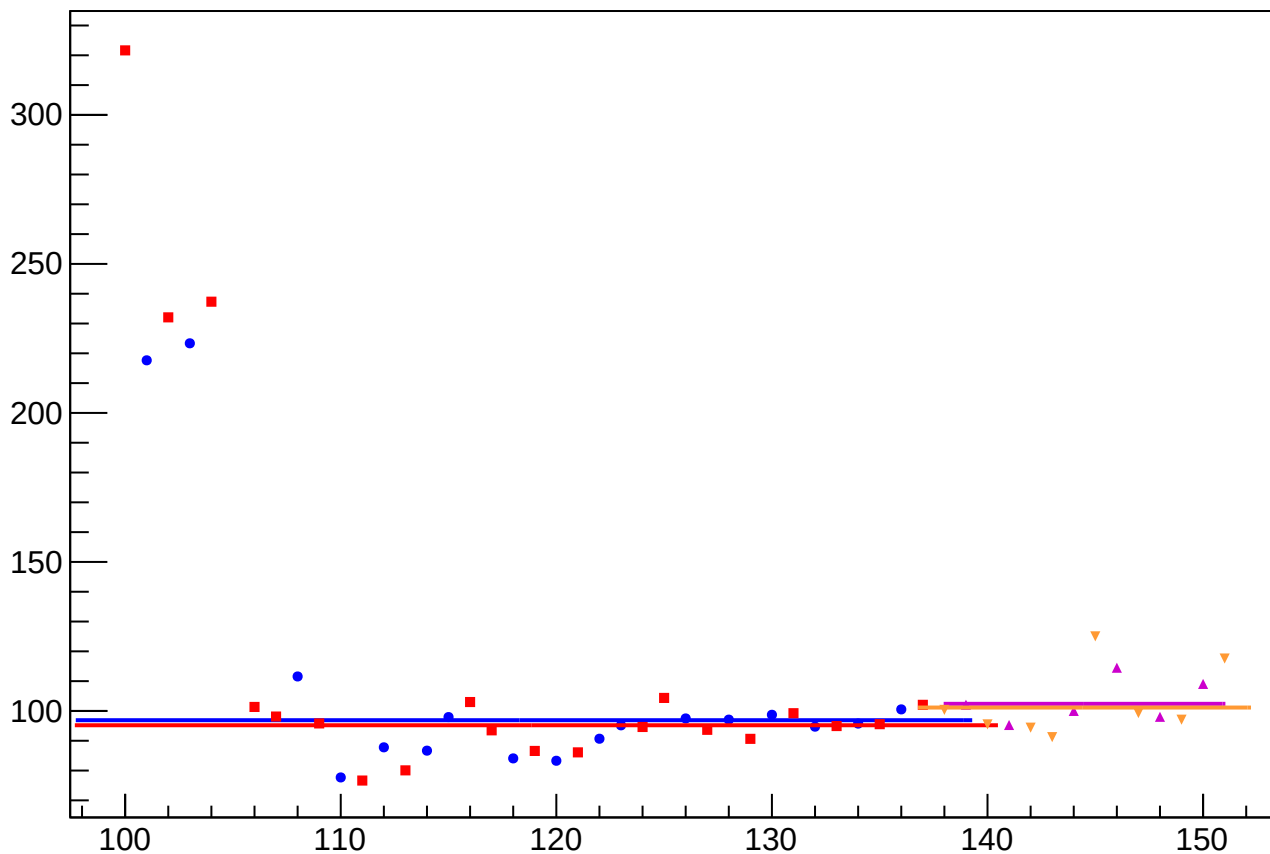
Right Out: 1284.692+/-37.915 χ^2/NDF : 8584.4/19

Left In: 5895.427+/-47.117 χ^2/NDF : 6004.5/5

-4652.415+/-29.244 χ^2/NDF : 57795.5/24

3096.900+/-29.539 χ^2/NDF : 20401.2/25

asym_bpm1i04WS_rms vs Slug



Right In: 96.894+/-0.028 χ^2/NDF : 817229.9/16

Left Out: 101.143+/-0.030 χ^2/NDF : 113630.8/7

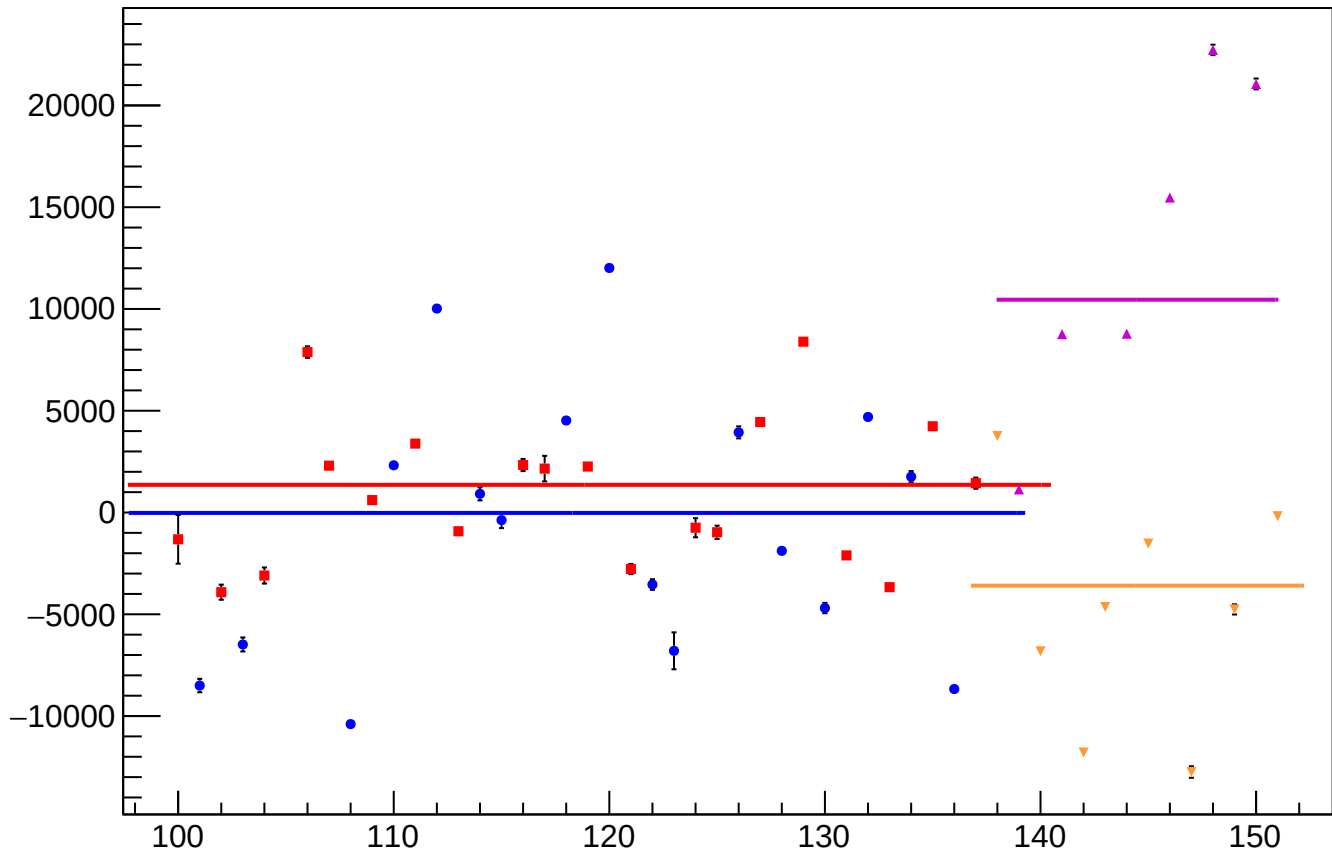
Right Out: 95.201+/-0.027 χ^2/NDF : 859838.2/19

Left In: 102.391+/-0.033 χ^2/NDF : 37453.4/5

98.866+/-0.021 χ^2/NDF : 941364.0/24

98.027+/-0.021 χ^2/NDF : 925552.2/25

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 $\chi^2/\text{NDF}: 16361.0/16$

Left Out: -3593.112 ± 70.745 $\chi^2/\text{NDF}: 5261.9/7$

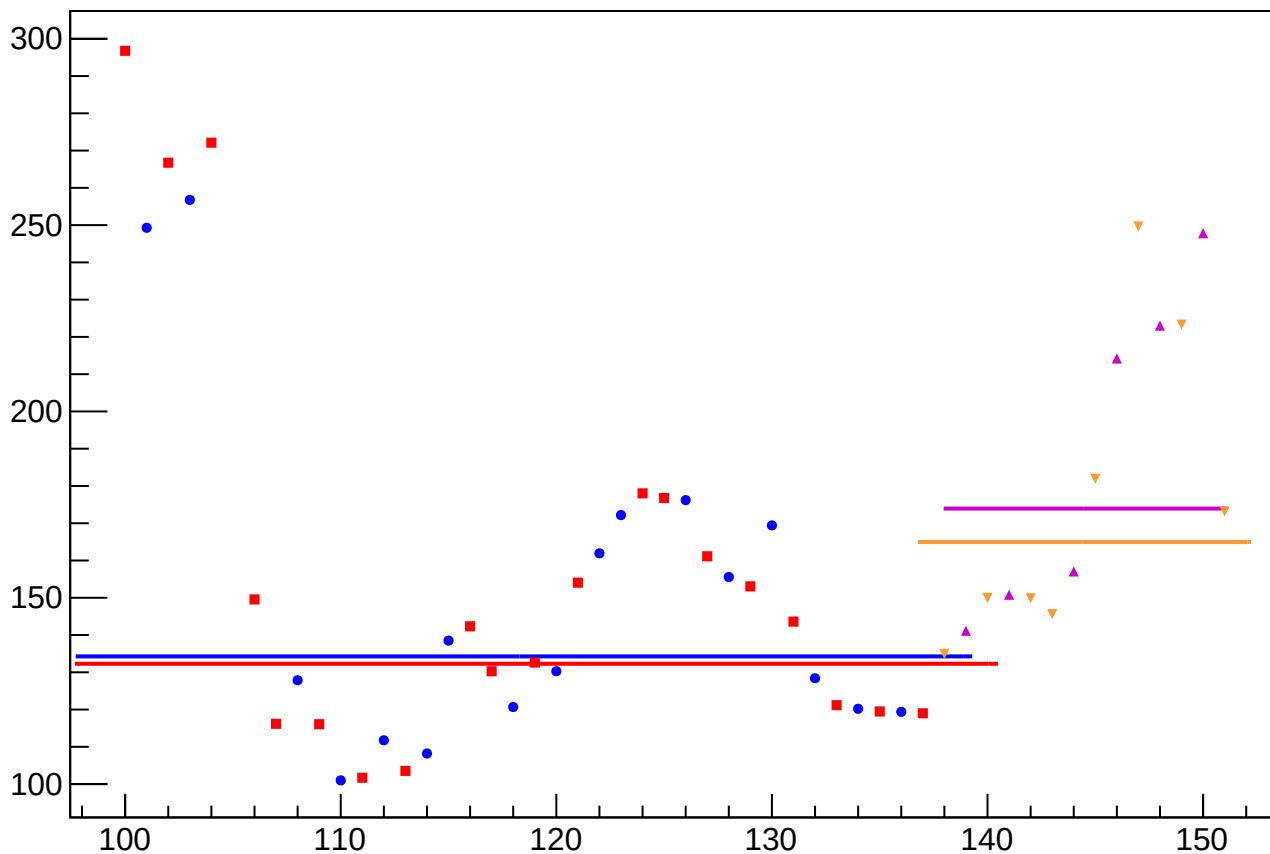
Right Out: 1359.001 ± 52.186 $\chi^2/\text{NDF}: 3838.8/19$

Left In: 10455.723 ± 81.378 $\chi^2/\text{NDF}: 7420.7/5$

-1355.156 ± 43.245 $\chi^2/\text{NDF}: 23220.7/24$

4009.803 ± 43.929 $\chi^2/\text{NDF}: 20113.8/25$

asym_bpm1i06WS_rms vs Slug



Right In: 134.268+/-0.039 χ^2/NDF : 788647.0/16

Left Out: 164.963+/-0.050 χ^2/NDF : 423598.7/7

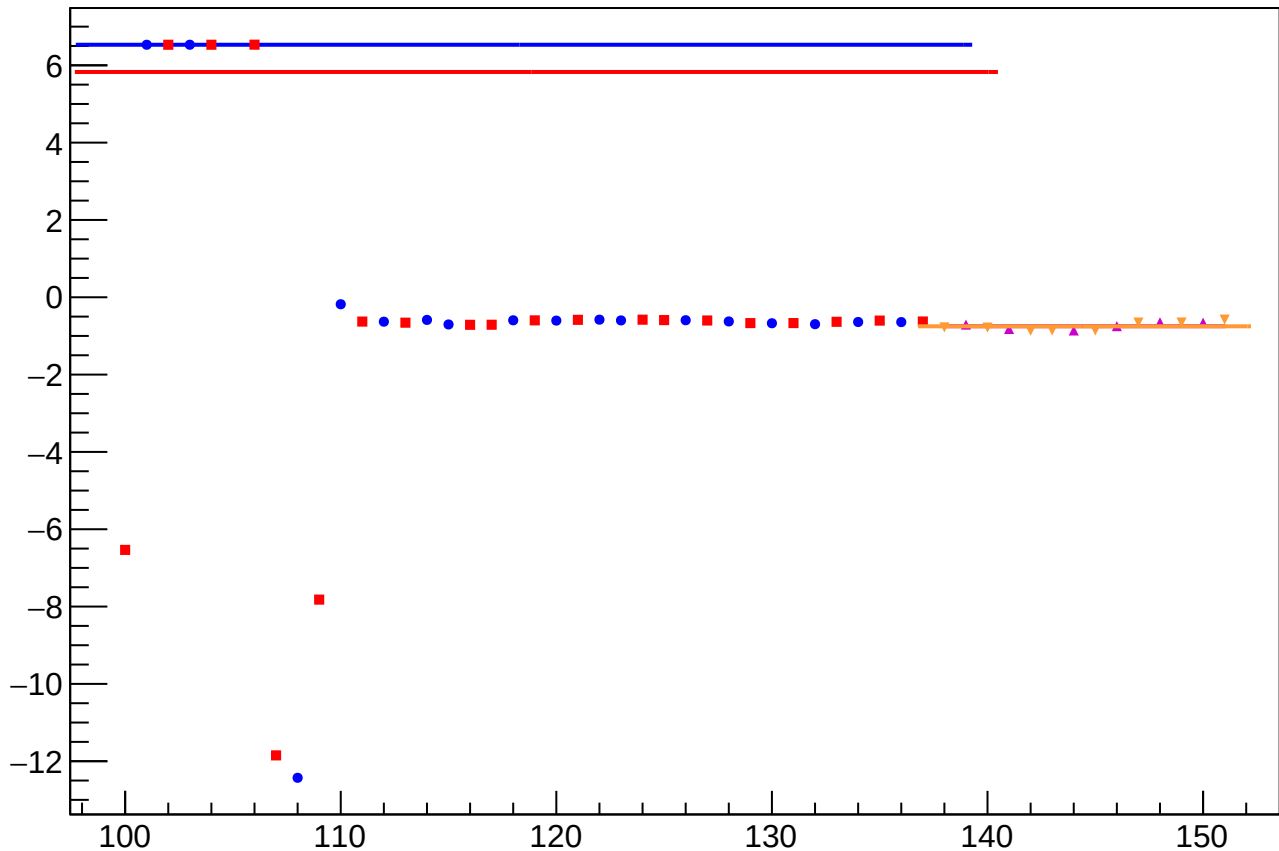
Right Out: 132.288+/-0.037 χ^2/NDF : 869913.4/19

Left In: 173.935+/-0.058 χ^2/NDF : 414718.9/5

145.737+/-0.031 χ^2/NDF : 1448068.5/24

144.424+/-0.031 χ^2/NDF : 1655811.2/25

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127906780672.7/16

Left Out: -0.751 $\pm$ 0.000 χ^2 /NDF: 64119747.6/7

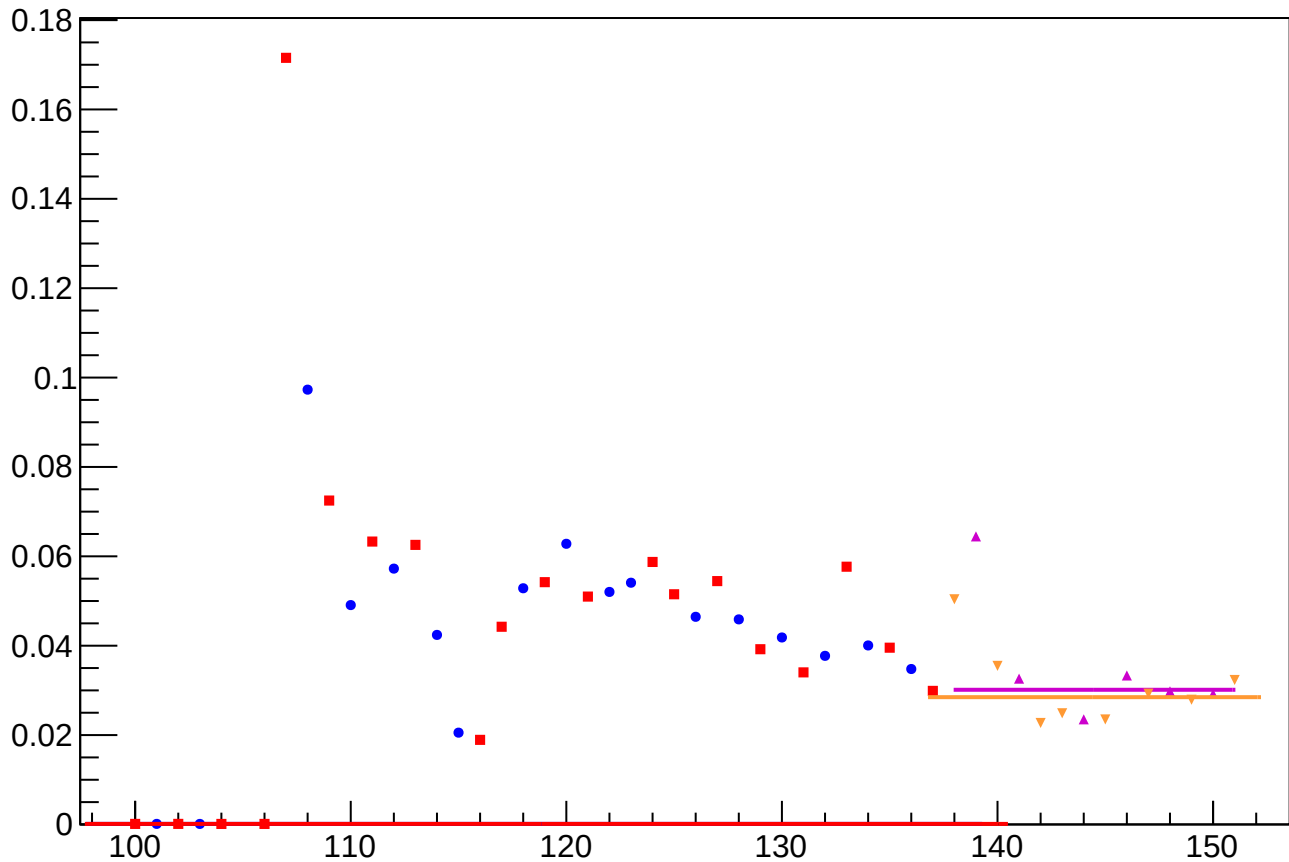
6.531 $\pm$ 0.000 χ^2 /NDF: 408206691816.2/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755949520765363.8/19

5.827 $\pm$ 0.000 χ^2 /NDF: 756123557787690.8/25

Left In: -0.748 $\pm$ 0.000 χ^2 /NDF: 32094044.0/5

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 :399196.2/7

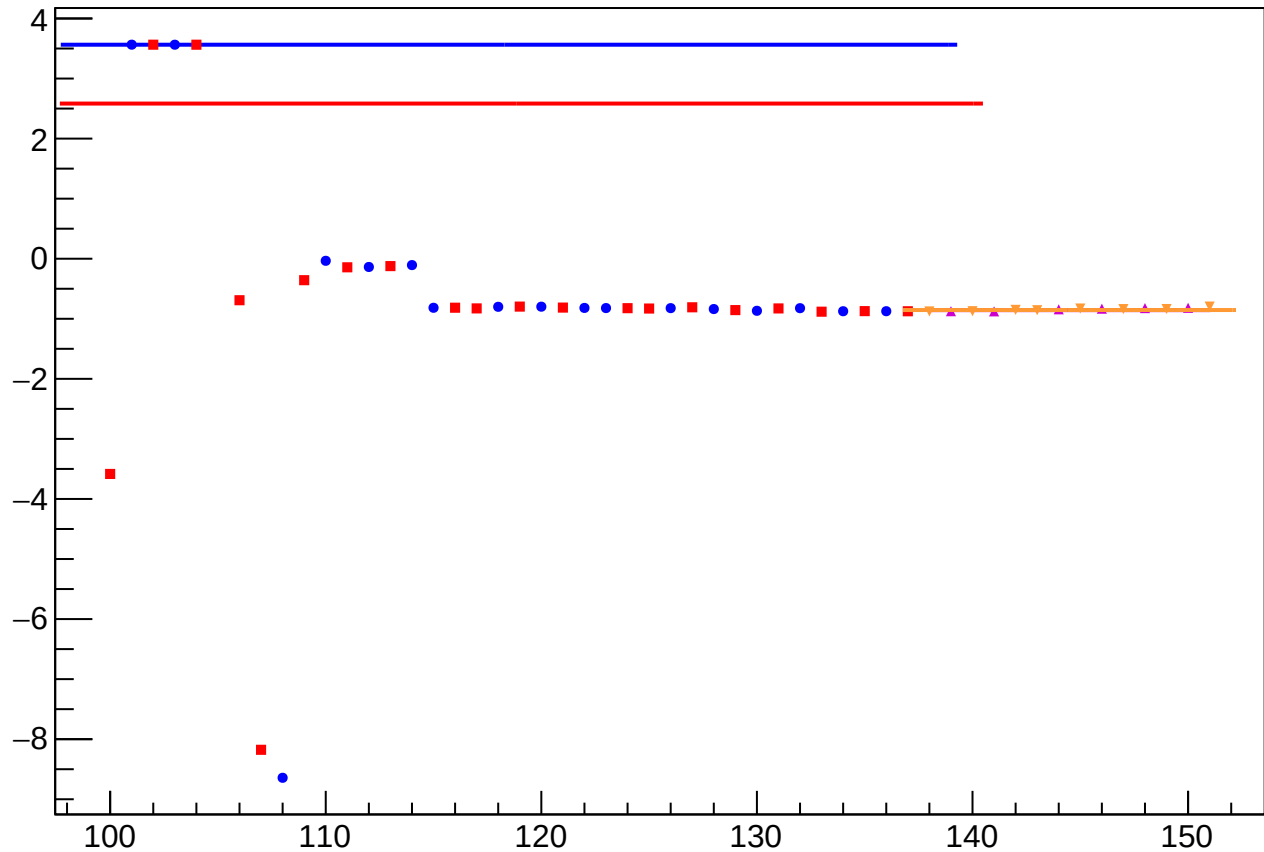
Right Out: 0.000+/-0.000 χ^2/NDF : 9453181.1/19

Left In: 0.030+/-0.000 χ^2/NDF :491246.2/5

0.000+/-0.000 χ^2/NDF : 17925401.4/24

0.000+/-0.000 χ^2/NDF : 17194406.6/25

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.854+/-0.000 χ^2/NDF : 29193130.2/7

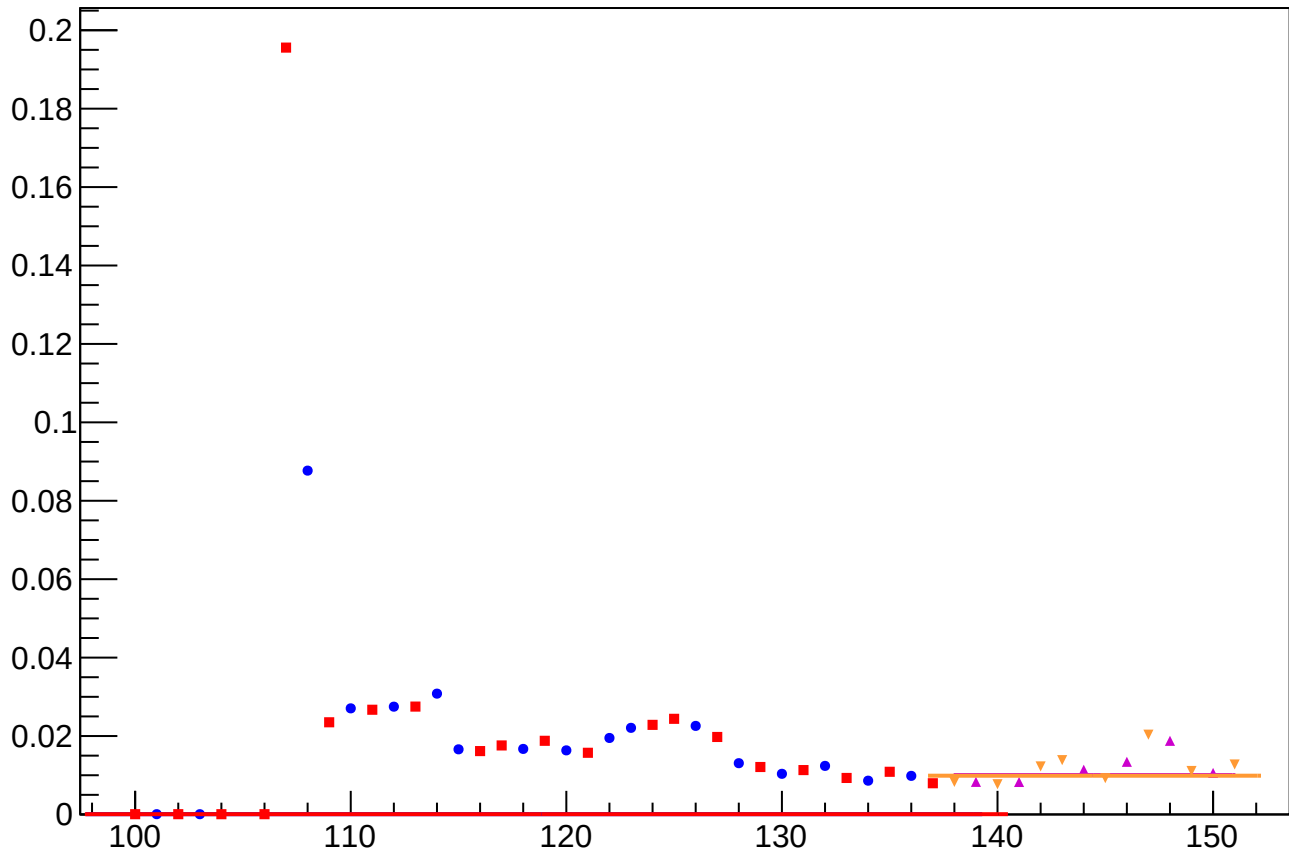
3.563+/-0.000 χ^2/NDF : 1350067850923.8/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253506756008351.0/19

2.583+/-0.000 χ^2/NDF : 1253938411311261.5/24

Left In: -0.856+/-0.000 χ^2/NDF : 20894973.8/5

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9848258.0/16

Left Out: 0.010+/-0.000 χ^2/NDF : 707582.5/7

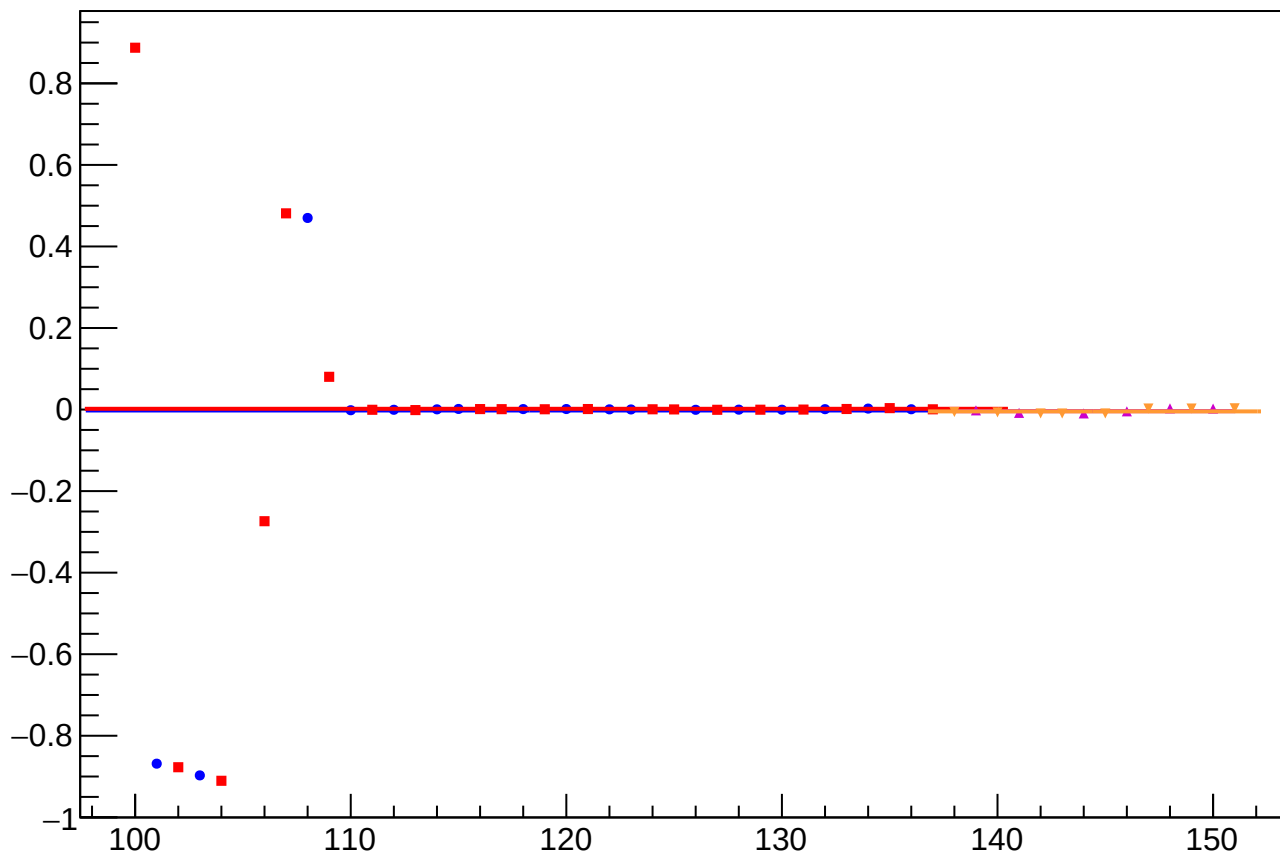
Right Out: 0.000+/-0.000 χ^2/NDF : 9955781.5/19

Left In: 0.010+/-0.000 χ^2/NDF : 519328.7/5

0.000+/-0.000 χ^2/NDF : 19079026.2/24

0.000+/-0.000 χ^2/NDF : 17738743.3/25

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9795424036.3/16

Left Out: -0.005+/-0.000 χ^2/NDF : 60621884.9/7

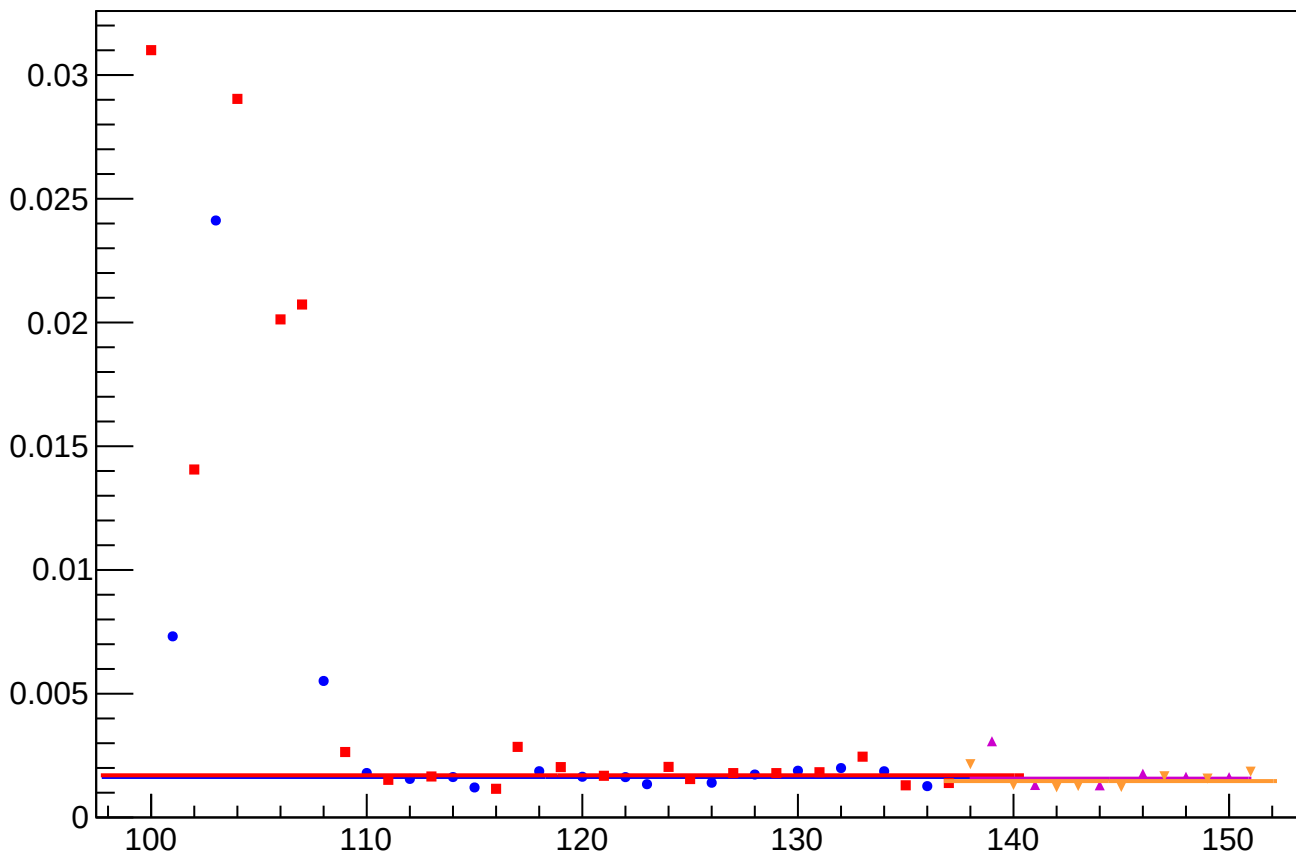
Right Out: 0.002+/-0.000 χ^2/NDF : 3041335141.0/19

Left In: -0.004+/-0.000 χ^2/NDF : 40075133.8/5

-0.003+/-0.000 χ^2/NDF : 9860596815.7/24

-0.001+/-0.000 χ^2/NDF : 3106901765.9/25

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1919127.9/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:304904.8/7

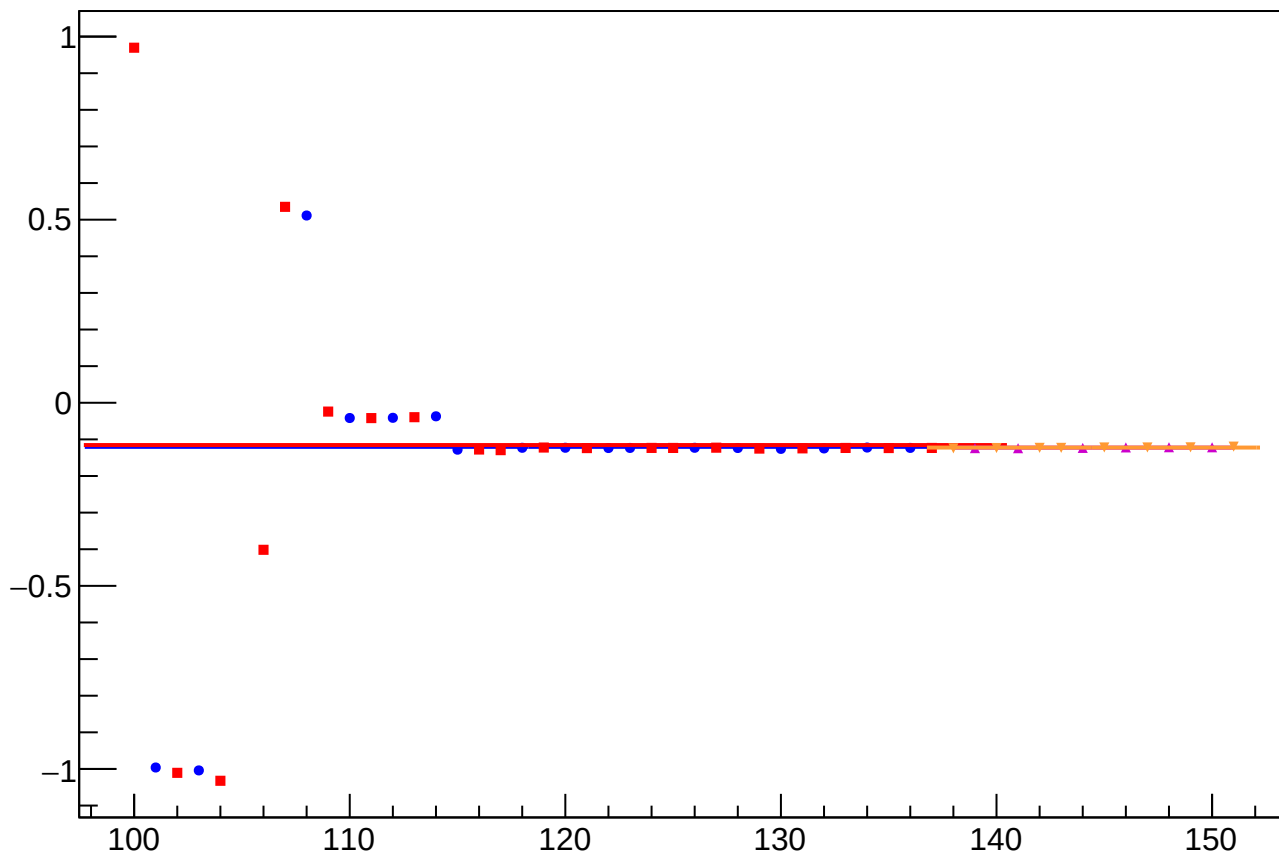
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3038397.4/19

Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:444251.9/5

0.002 $\pm$ 0.000 χ^2 /NDF: 2274641.0/24

0.002 $\pm$ 0.000 χ^2 /NDF: 3510695.4/25

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.122+/-0.000 χ^2/NDF : 6342708.5/7

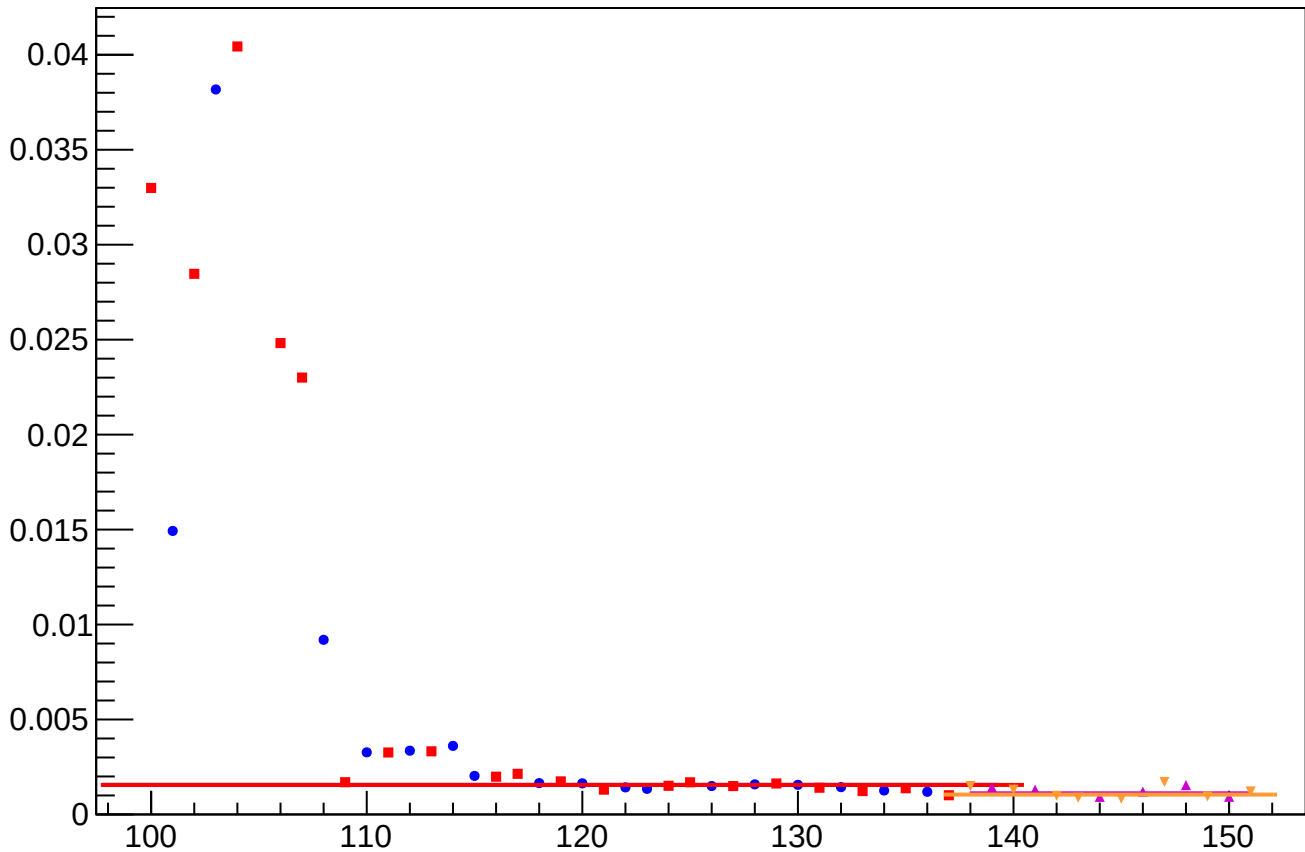
Right Out: -0.115+/-0.000 χ^2/NDF : 2458720596.9/19

Left In: -0.123+/-0.000 χ^2/NDF : 3548632.8/5

-0.122+/-0.000 χ^2/NDF : 3943926829.1/24

-0.120+/-0.000 χ^2/NDF : 2523497307.7/25

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 : 588862.5/7

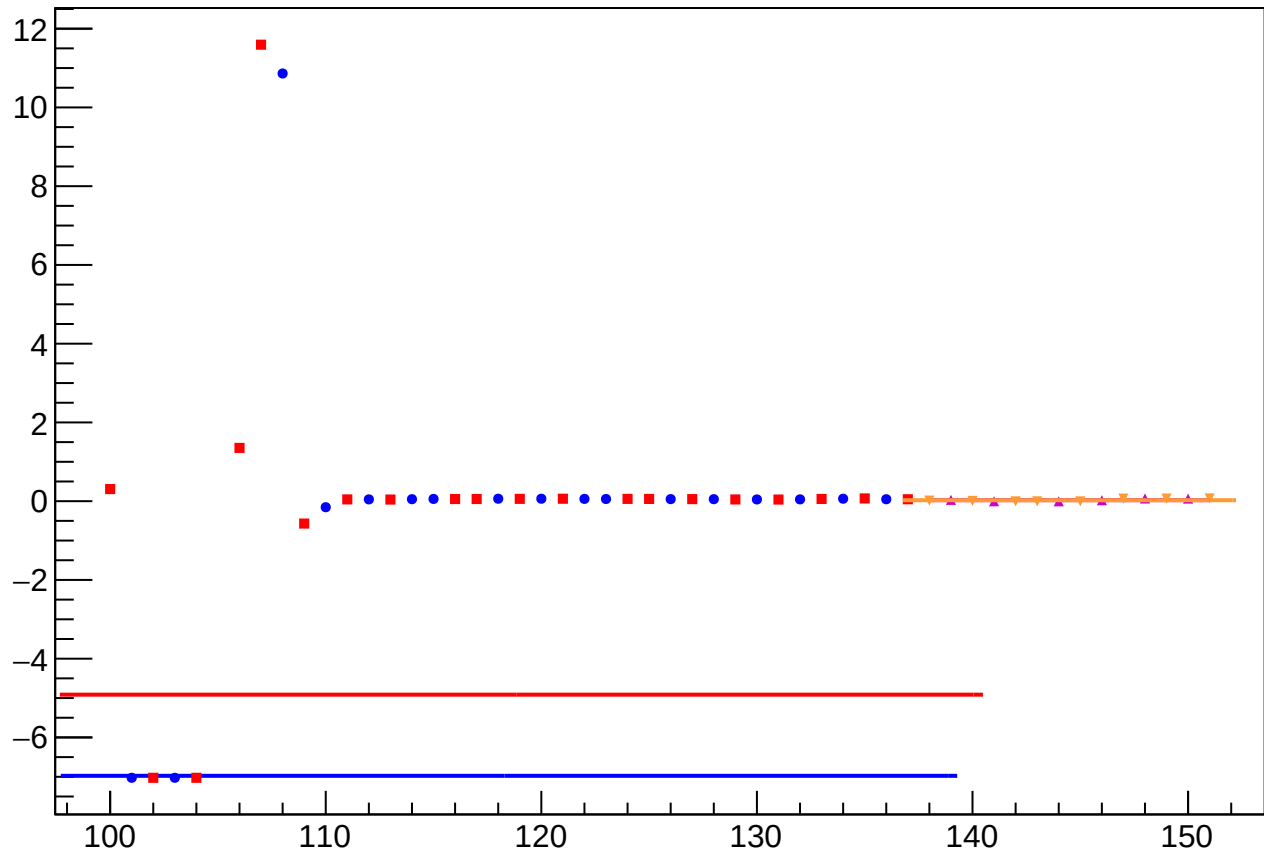
0.001+/-0.000 χ^2/NDF : 4197097.1/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3544377.2/19

0.001+/-0.000 χ^2/NDF : 4369056.1/25

Left In: 0.001+/-0.000 χ^2/NDF : 344660.6/5

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.024+/-0.000 χ^2/NDF : 60347437.4/7

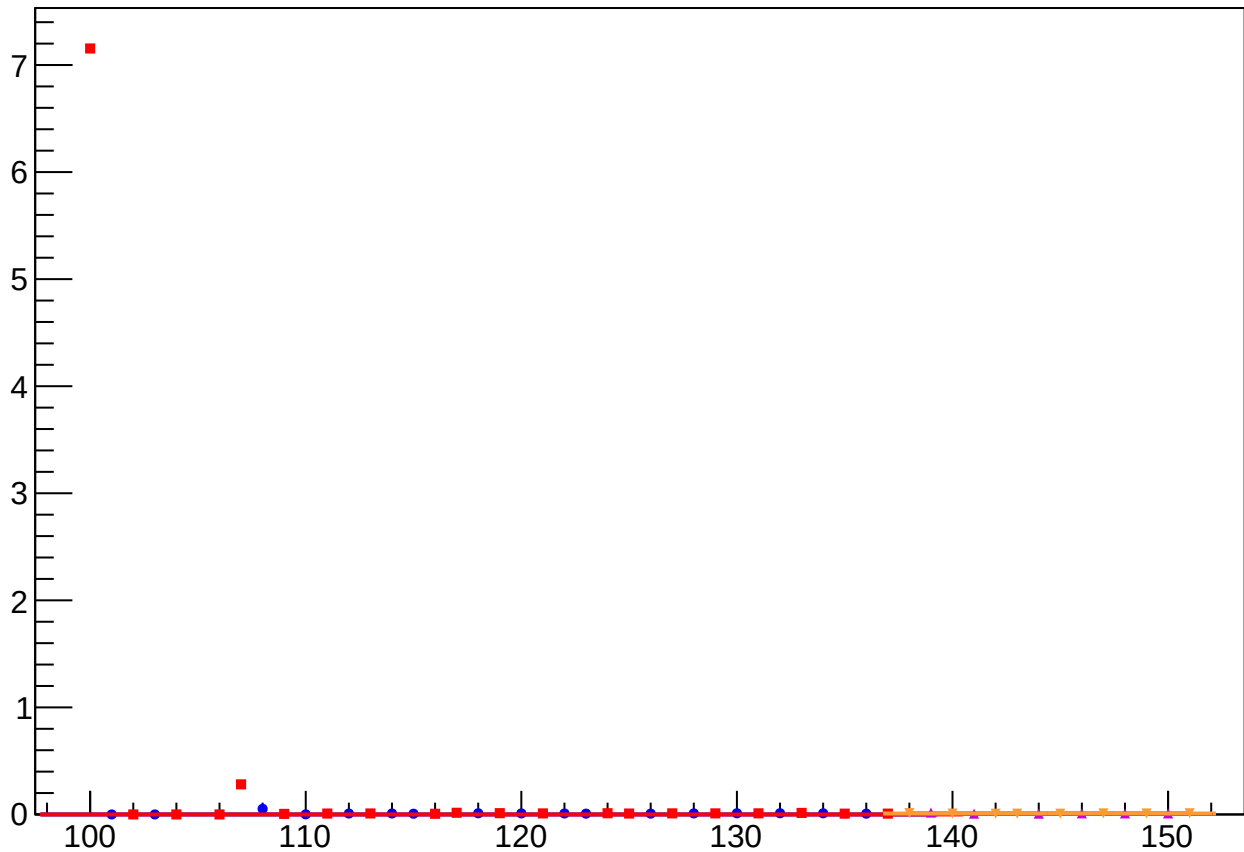
Right Out: -4.914+/-0.000 χ^2/NDF : 365366243956054.8/19

Left In: 0.026+/-0.000 χ^2/NDF : 42934841.4/5

-6.959+/-0.000 χ^2/NDF : 11576355548912.6/24

-4.906+/-0.000 χ^2/NDF : 366438158061168.2/2

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8362763.6/16

Left Out: 0.009+/-0.000 χ^2/NDF :311516.1/7

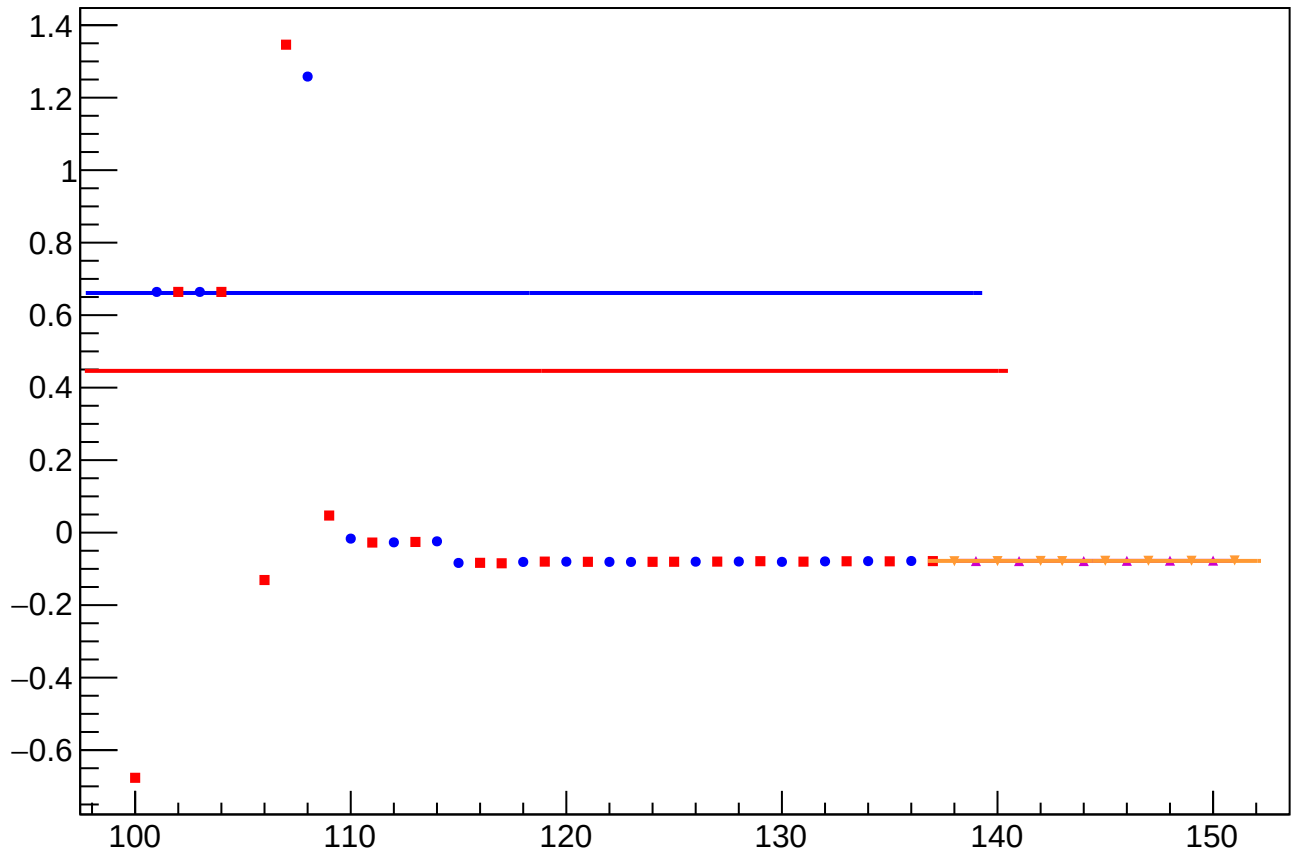
Right Out: 0.000+/-0.000 χ^2/NDF : 8880914.4/19

Left In: 0.009+/-0.000 χ^2/NDF :444726.9/5

0.000+/-0.000 χ^2/NDF : 16891793.3/24

0.000+/-0.000 χ^2/NDF : 16415110.9/25

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5678332616622.1/16

Left Out: -0.078+/-0.000 χ^2/NDF : 5989418.5/7

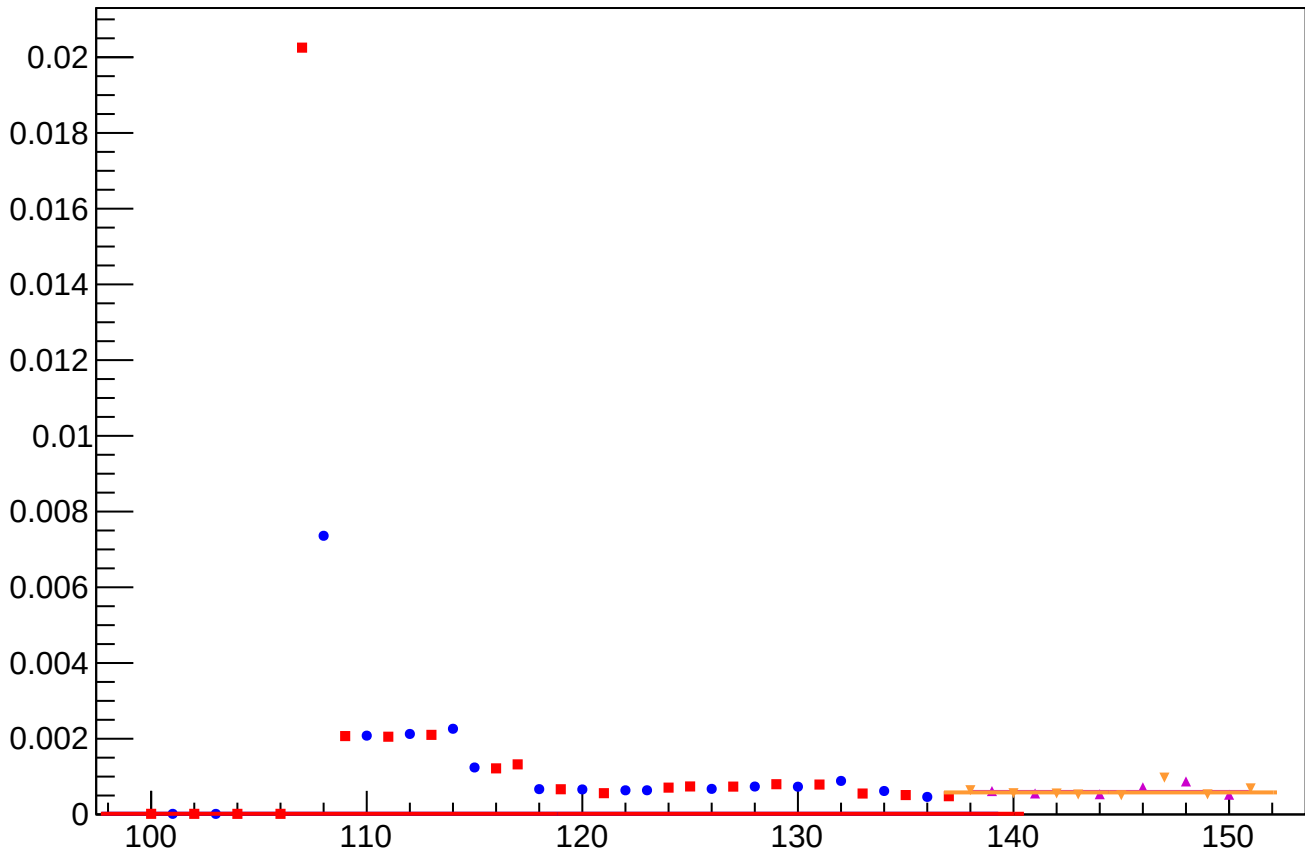
Right Out: 0.446+/-0.000 χ^2/NDF : 405434749783850.4/19

Left In: -0.078+/-0.000 χ^2/NDF : 3763981.9/5

0.657+/-0.000 χ^2/NDF : 14161084222366.6/24

0.444+/-0.000 χ^2/NDF : 408933267340443.3/25

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 : 352881.9/7

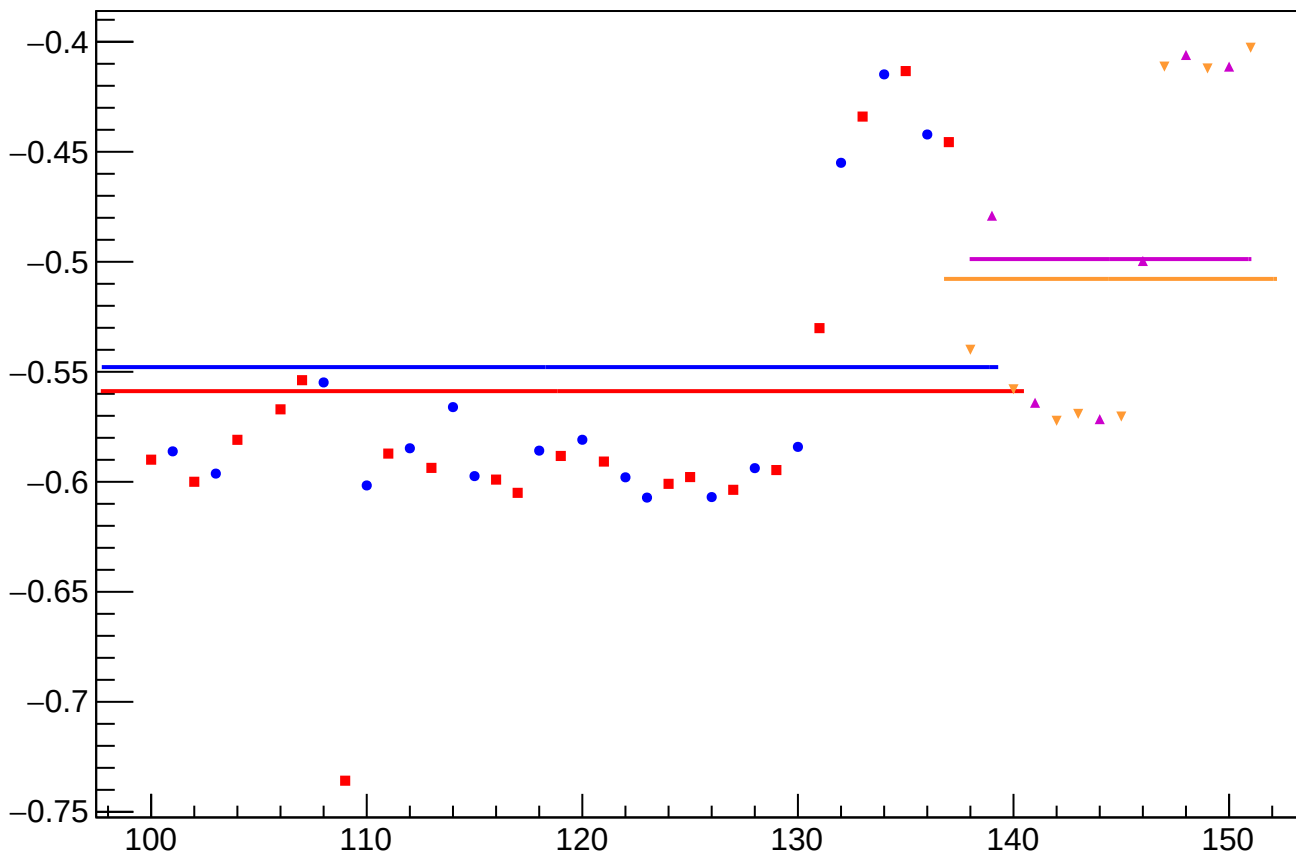
0.000+/-0.000 χ^2/NDF : 20216070.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9575039.3/19

0.000+/-0.000 χ^2/NDF : 18283675.4/25

Left In: 0.001+/-0.000 χ^2/NDF : 262729.4/5

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.508+/-0.000 χ^2/NDF : 65233408.6/7

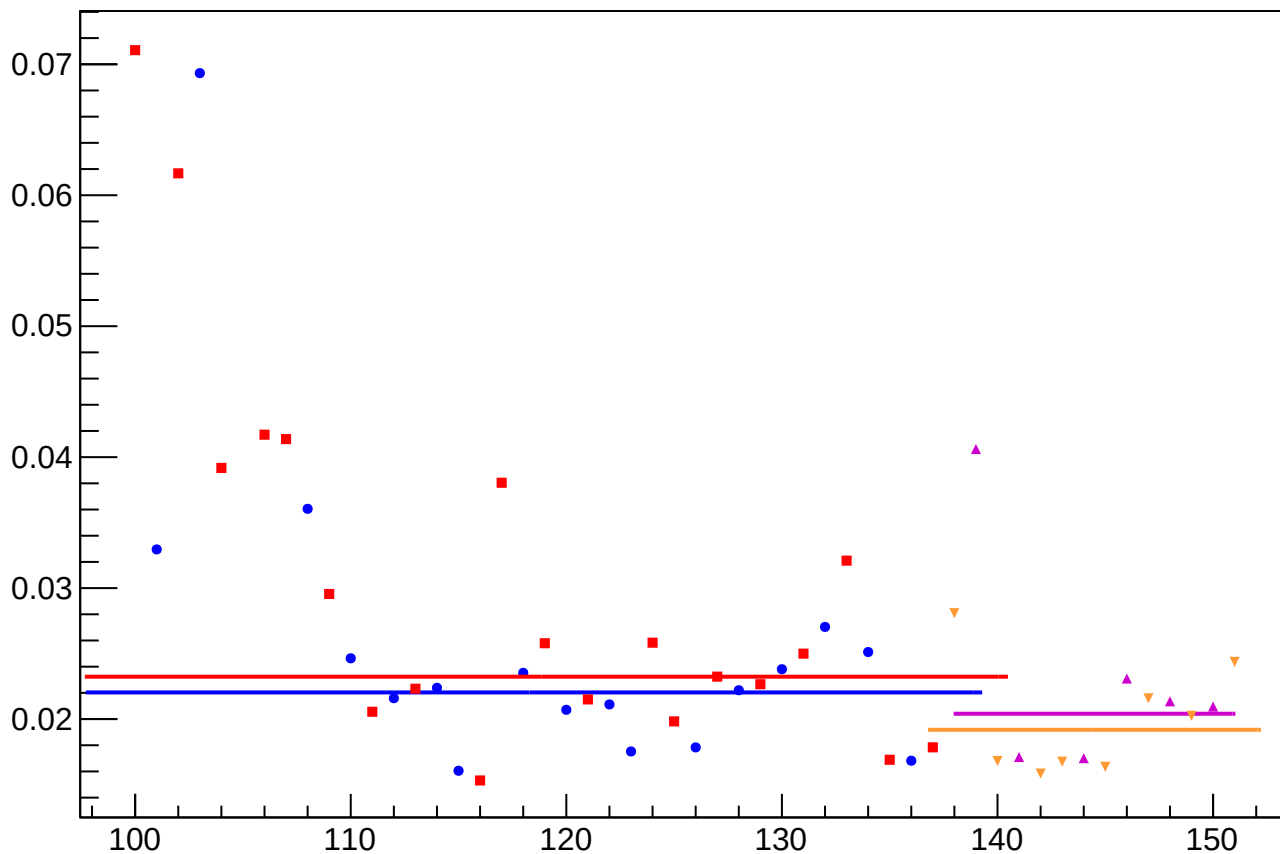
Right Out: -0.559+/-0.000 χ^2/NDF : 65741796.4/19

Left In: -0.499+/-0.000 χ^2/NDF : 45027578.7/5

-0.527+/-0.000 χ^2/NDF : 122679380.8/24

-0.531+/-0.000 χ^2/NDF : 127636058.2/25

yield_bpm4aX_rms vs Slug



Right In: 0.022 ± 0.000 $\chi^2/\text{NDF}: 958966.6/16$

Left Out: 0.019 ± 0.000 $\chi^2/\text{NDF}: 299720.3/7$

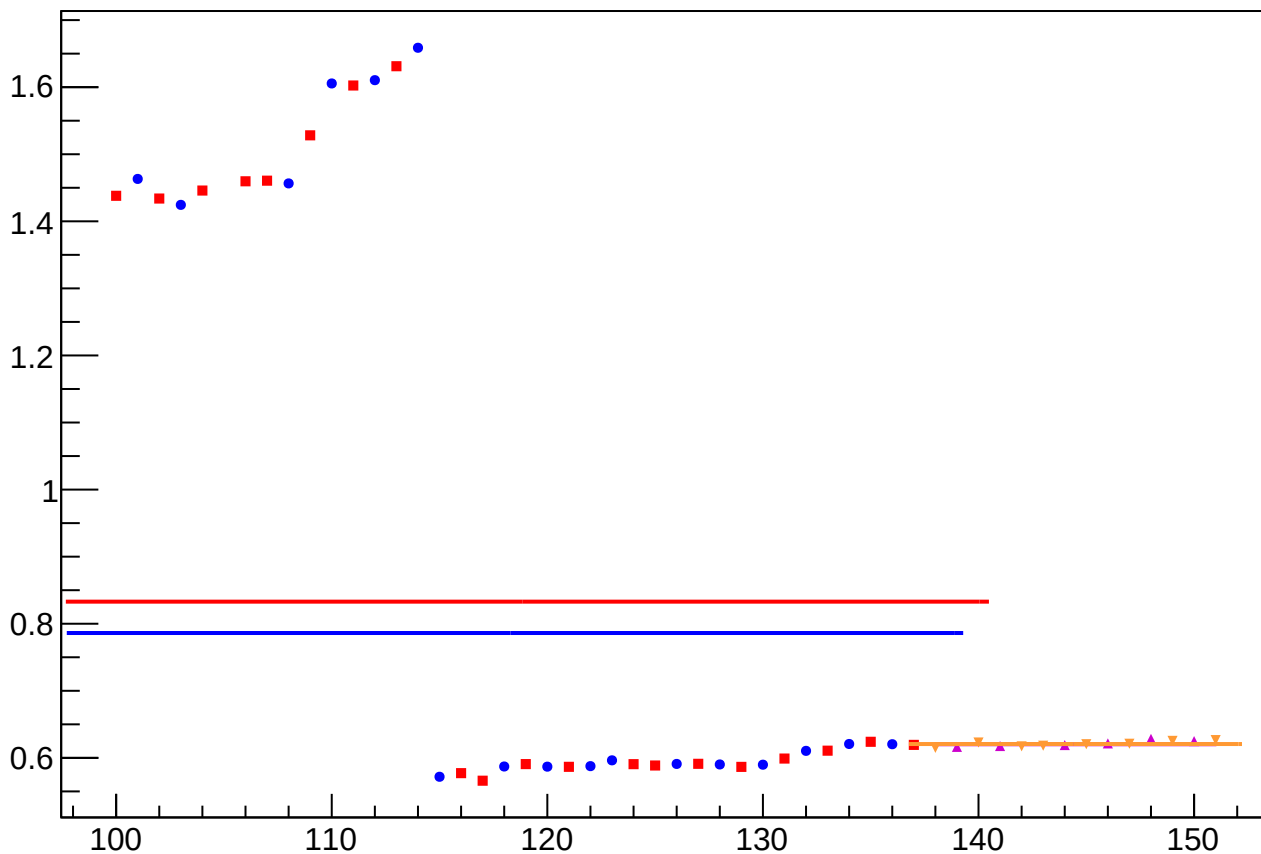
Right Out: 0.023 ± 0.000 $\chi^2/\text{NDF}: 1169205.3/19$

Left In: 0.020 ± 0.000 $\chi^2/\text{NDF}: 448924.2/5$

0.021 ± 0.000 $\chi^2/\text{NDF}: 1348436.2/24$

0.022 ± 0.000 $\chi^2/\text{NDF}: 1693011.8/25$

yield_bpm4aY_mean vs Slug



Right In: 0.786 $\pm$ 0.000 χ^2 /NDF: 3590113316.1/16

Left Out: 0.621 $\pm$ 0.000 χ^2 /NDF:452675.0/7

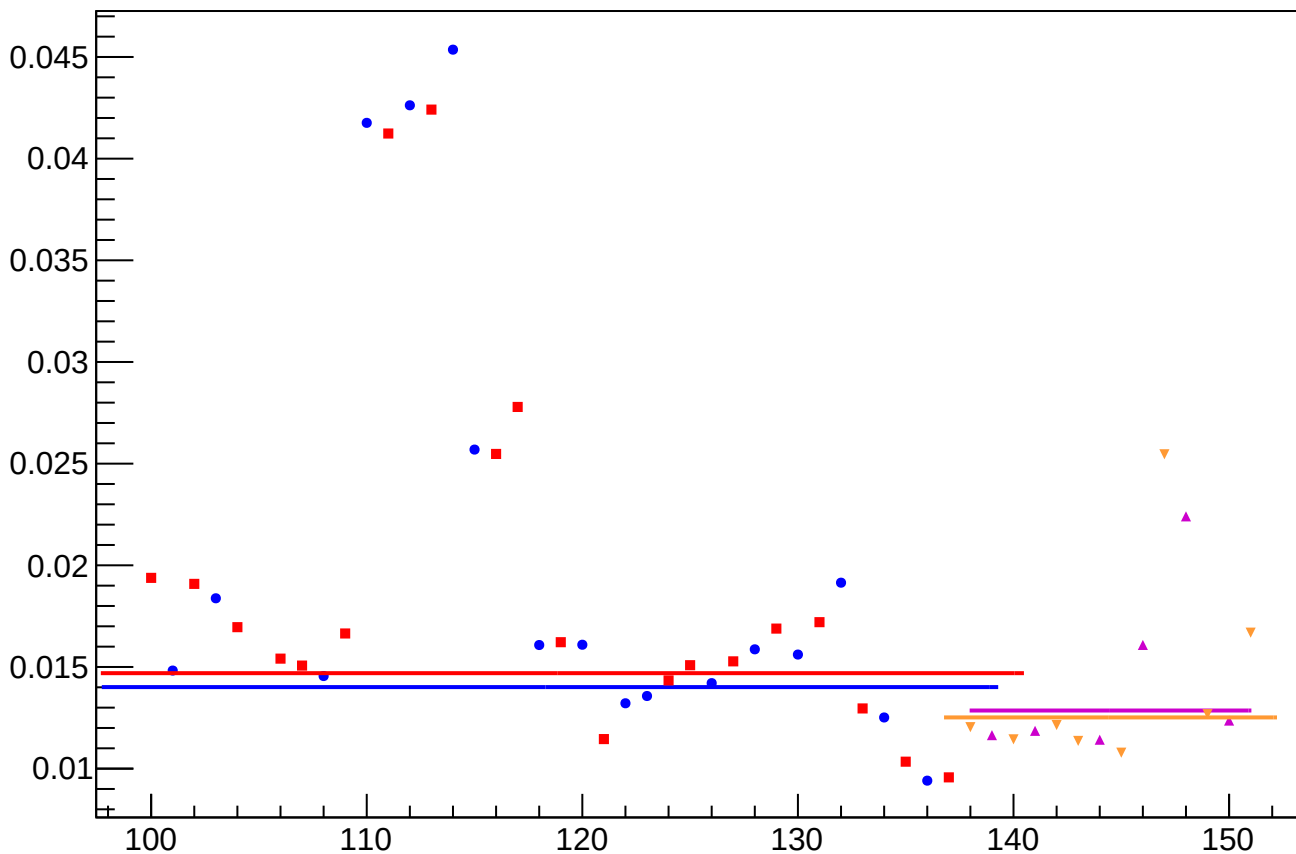
Right Out: 0.833 $\pm$ 0.000 χ^2 /NDF: 4160348649.7/19

Left In: 0.620 $\pm$ 0.000 χ^2 /NDF:348423.5/5

0.697 $\pm$ 0.000 χ^2 /NDF: 4015344815.4/24

0.729 $\pm$ 0.000 χ^2 /NDF: 4781620011.0/25

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1404865.3/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:541250.7/7

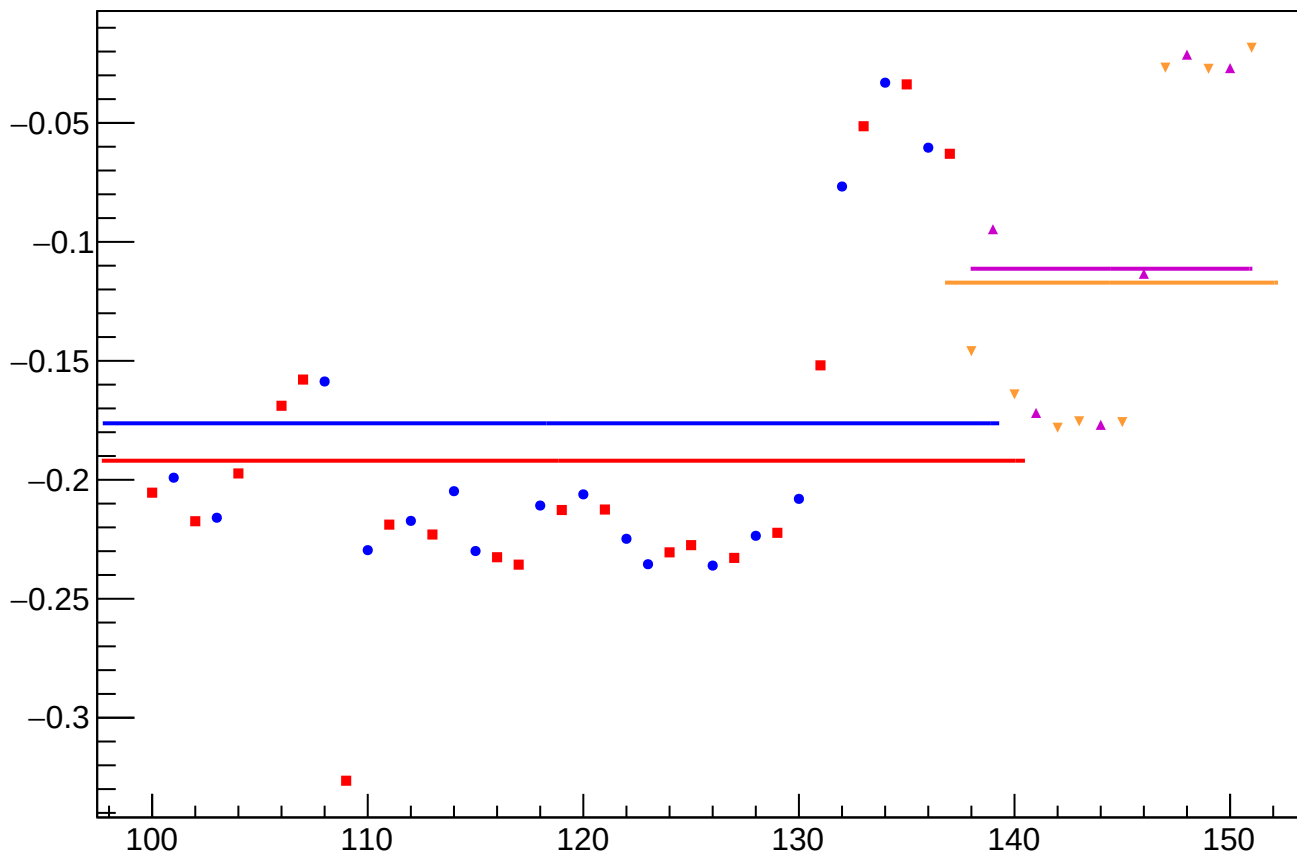
0.013 $\pm$ 0.000 χ^2 /NDF: 2015105.7/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1280473.4/19

0.014 $\pm$ 0.000 χ^2 /NDF: 1762277.1/25

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:389137.4/5

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.117+/-0.000 χ^2/NDF : 63392779.3/7

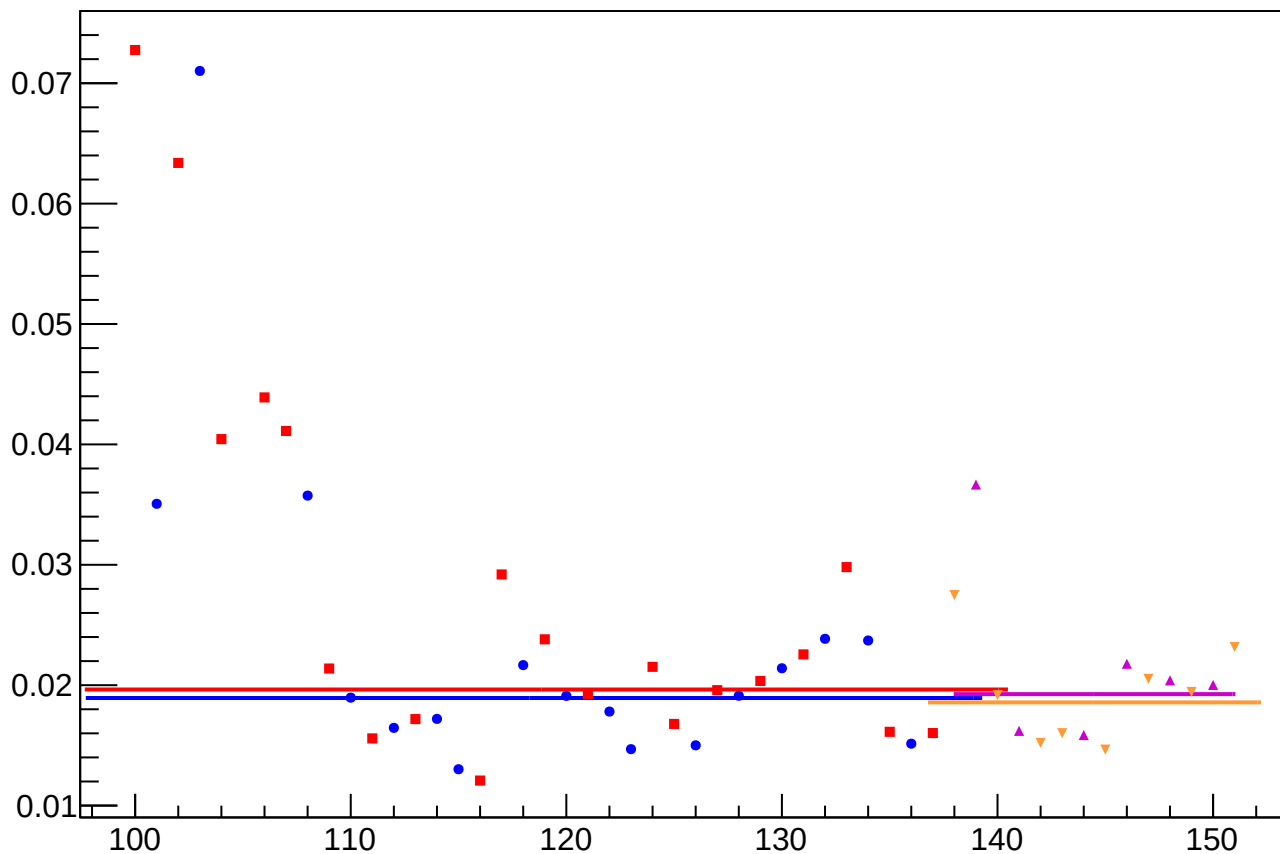
Right Out: -0.192+/-0.000 χ^2/NDF : 83899255.4/19

Left In: -0.111+/-0.000 χ^2/NDF : 44918245.8/5

-0.148+/-0.000 χ^2/NDF : 156709381.0/24

-0.158+/-0.000 χ^2/NDF : 166335800.4/25

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.019+/-0.000 χ^2/NDF : 329699.9/7

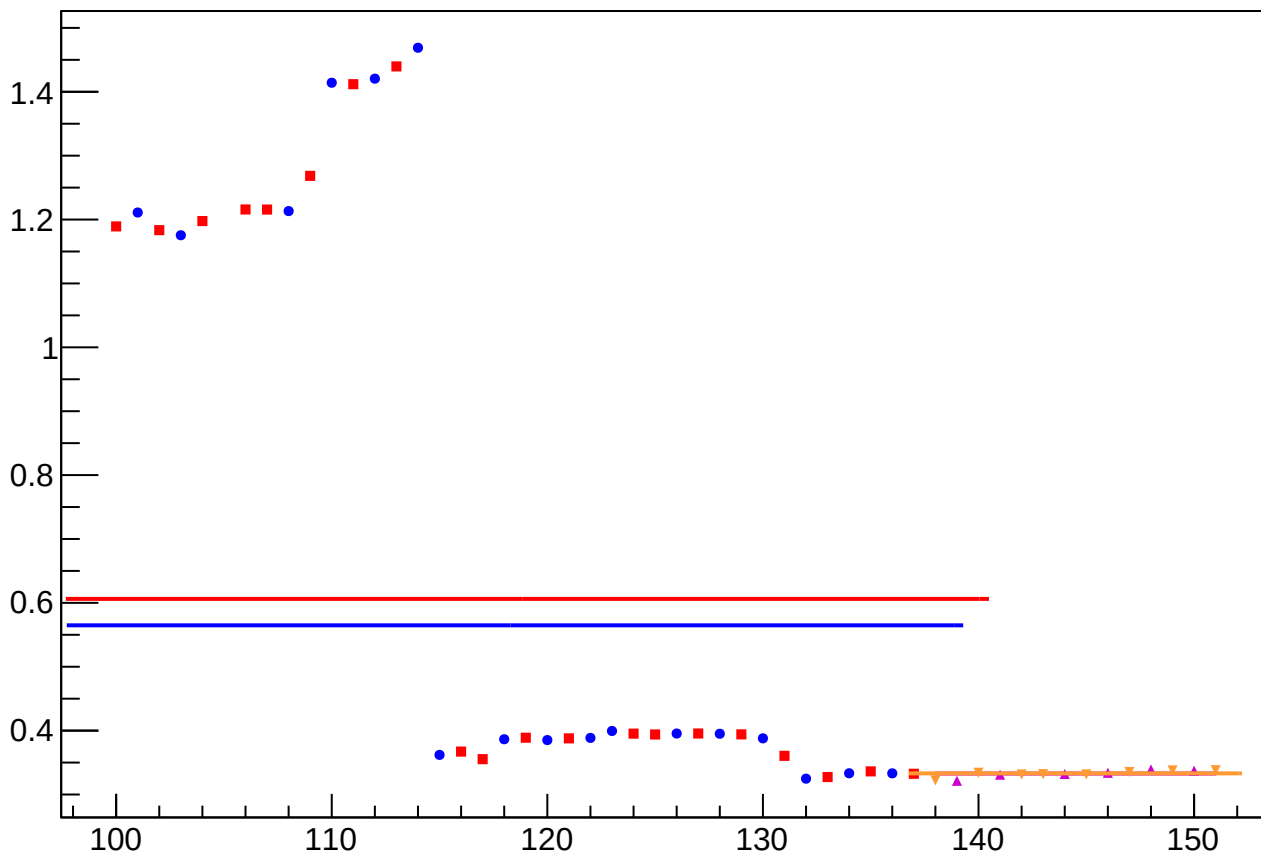
Right Out: 0.020+/-0.000 χ^2/NDF : 1466285.9/19

Left In: 0.019+/-0.000 χ^2/NDF : 427862.5/5

0.019+/-0.000 χ^2/NDF : 1537311.6/24

0.019+/-0.000 χ^2/NDF : 1895850.2/25

yield_bpm4eY_mean vs Slug



Right In: 0.565 $\pm$ 0.000 χ^2 /NDF: 5030969499.3/16

Left Out: 0.333 $\pm$ 0.000 χ^2 /NDF: 792737.2/7

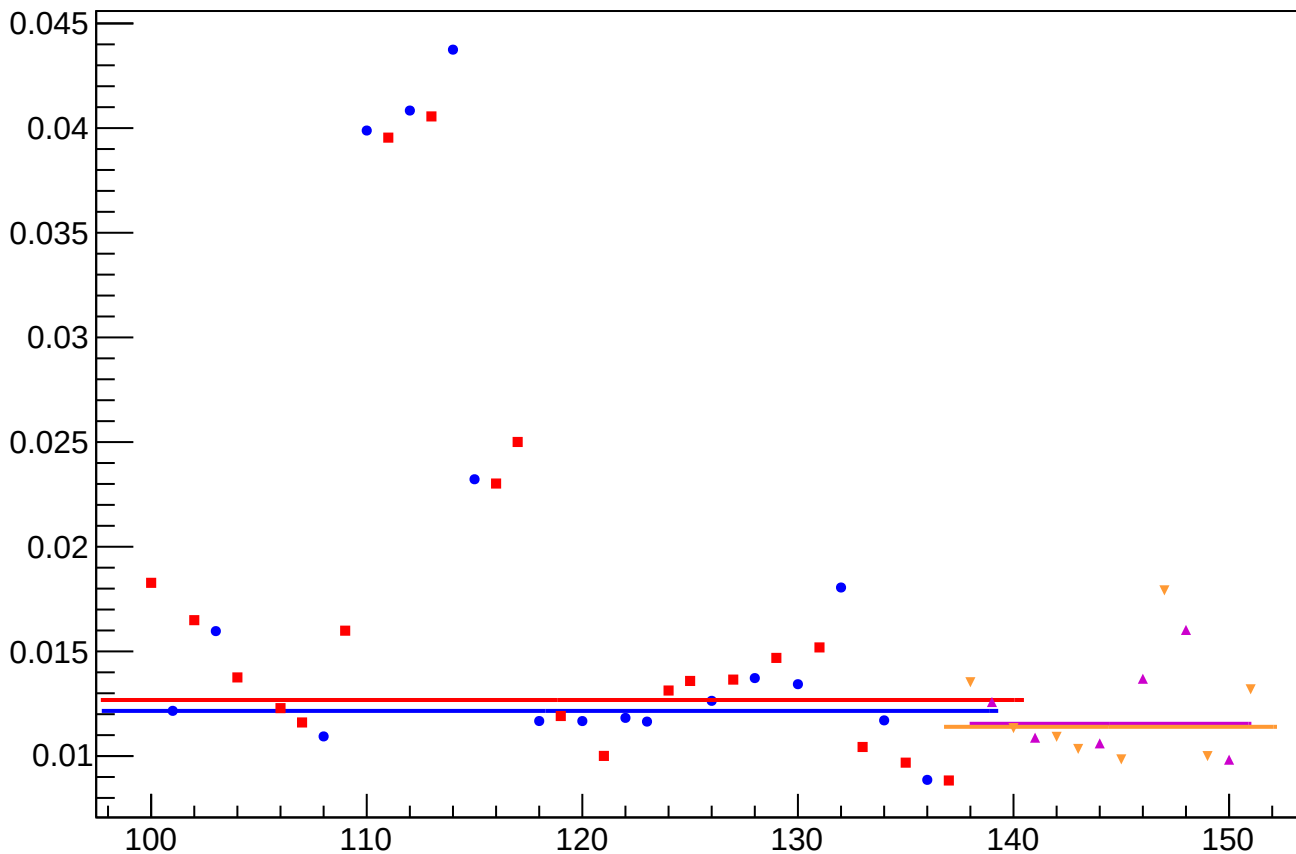
Right Out: 0.606 $\pm$ 0.000 χ^2 /NDF: 5517630064.2/19

Left In: 0.333 $\pm$ 0.000 χ^2 /NDF: 861656.3/5

0.445 $\pm$ 0.000 χ^2 /NDF: 6094837807.5/24

0.475 $\pm$ 0.000 χ^2 /NDF: 6840325659.1/25

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1309888.8/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 342661.8/7

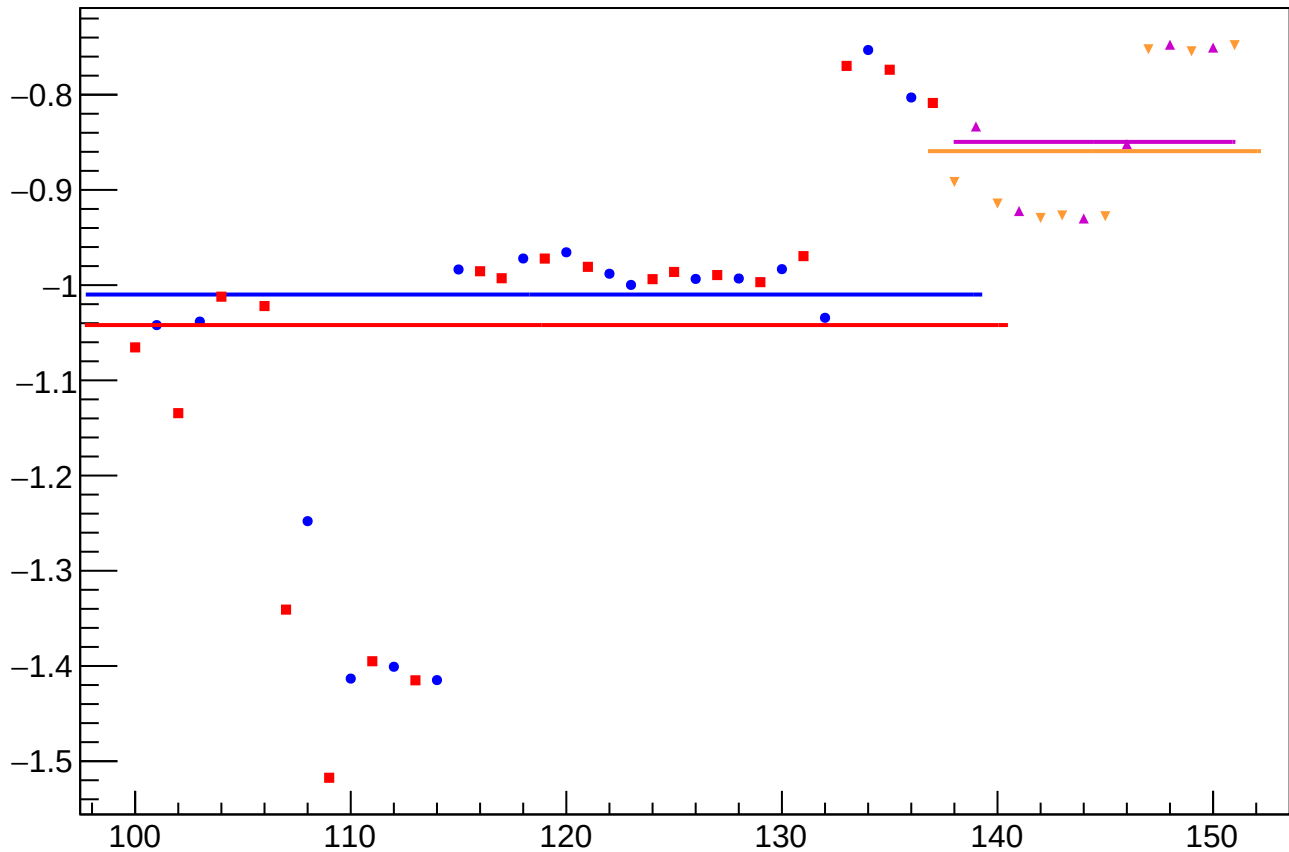
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1289415.7/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 236809.9/5

0.012 $\pm$ 0.000 χ^2 /NDF: 1675438.7/24

0.012 $\pm$ 0.000 χ^2 /NDF: 1571961.1/25

yield_bpm4acX_mean vs Slug



Right In: -1.010 ± 0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.859 ± 0.000 χ^2/NDF : 81276660.0/7

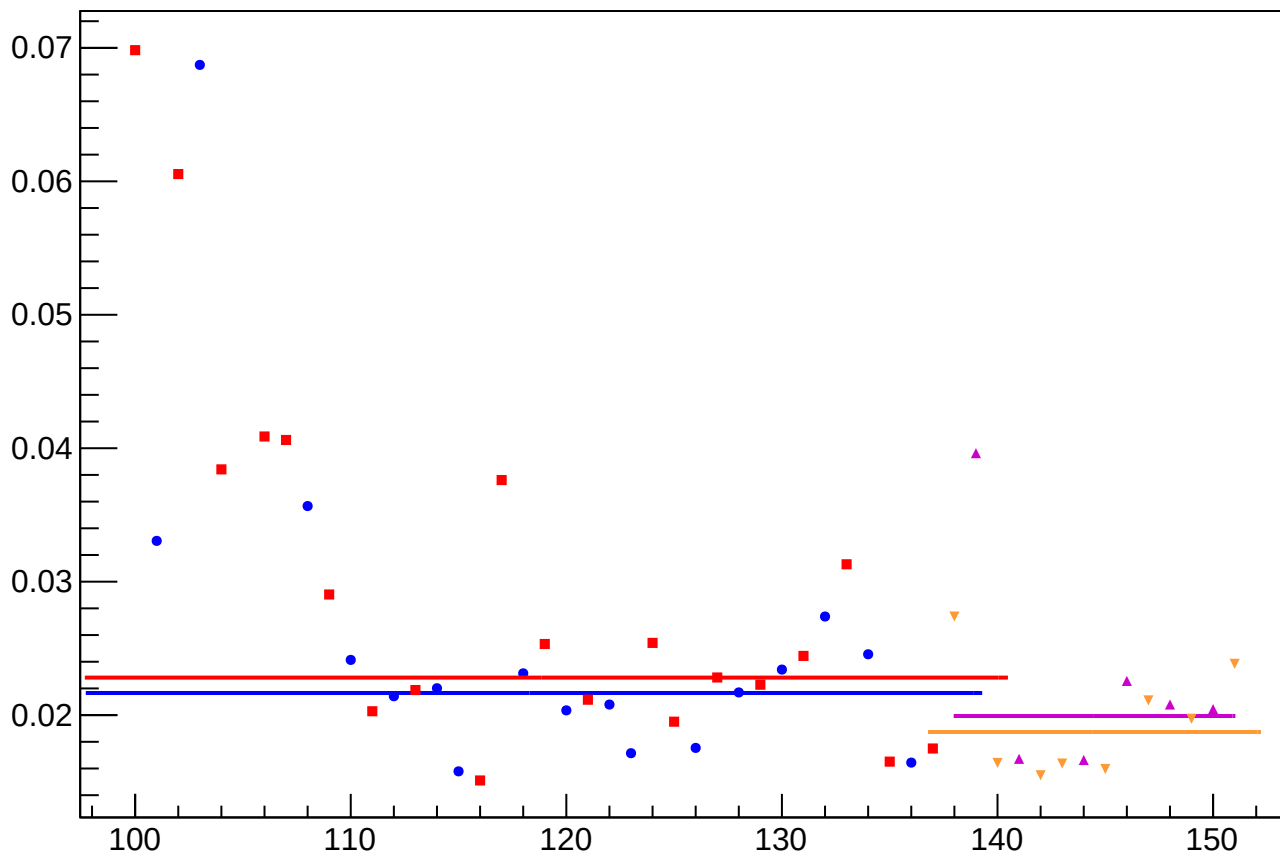
-0.930 ± 0.000 χ^2/NDF : 599100898.2/24

Right Out: -1.042 ± 0.000 χ^2/NDF : 530175104.2/19

-0.951 ± 0.000 χ^2/NDF : 769257714.2/25

Left In: -0.850 ± 0.000 χ^2/NDF : 58471835.9/5

yield_bpm4acX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 983499.8/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 299046.8/7

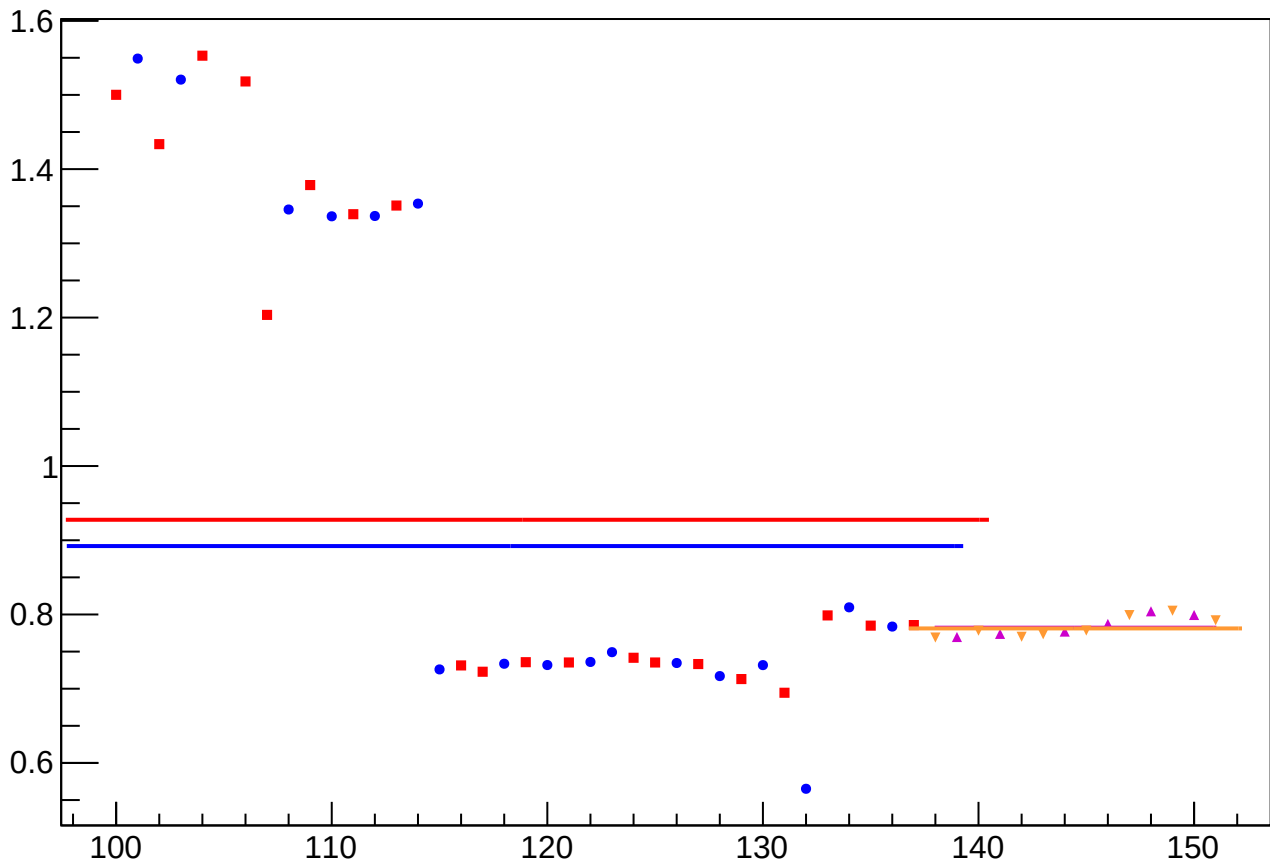
Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1165116.5/19

Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 446422.1/5

0.020 $\pm$ 0.000 χ^2 /NDF: 1380524.3/24

0.021 $\pm$ 0.000 χ^2 /NDF: 1692427.6/25

yield_bpm4acY_mean vs Slug



Right In: 0.892+/-0.000 χ^2/NDF : 2413732173.6/16

Left Out: 0.781+/-0.000 χ^2/NDF :4955369.6/7

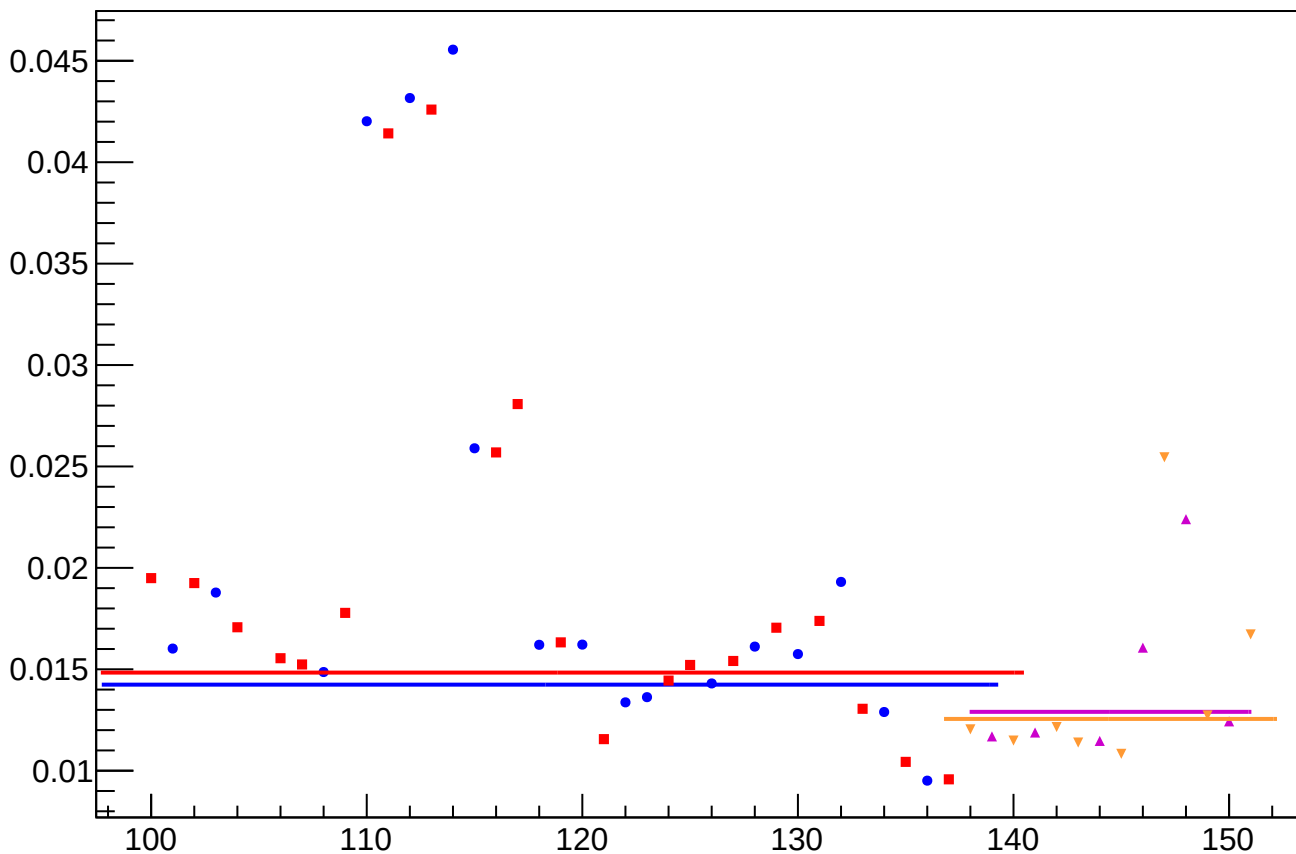
Right Out: 0.928+/-0.000 χ^2/NDF : 2439574936.7/19

Left In: 0.782+/-0.000 χ^2/NDF :3766834.5/5

0.832+/-0.000 χ^2/NDF : 2605194007.8/24

0.856+/-0.000 χ^2/NDF : 2729460454.5/25

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1415681.3/16

Left Out: 0.013+/-0.000 χ^2/NDF : 537610.5/7

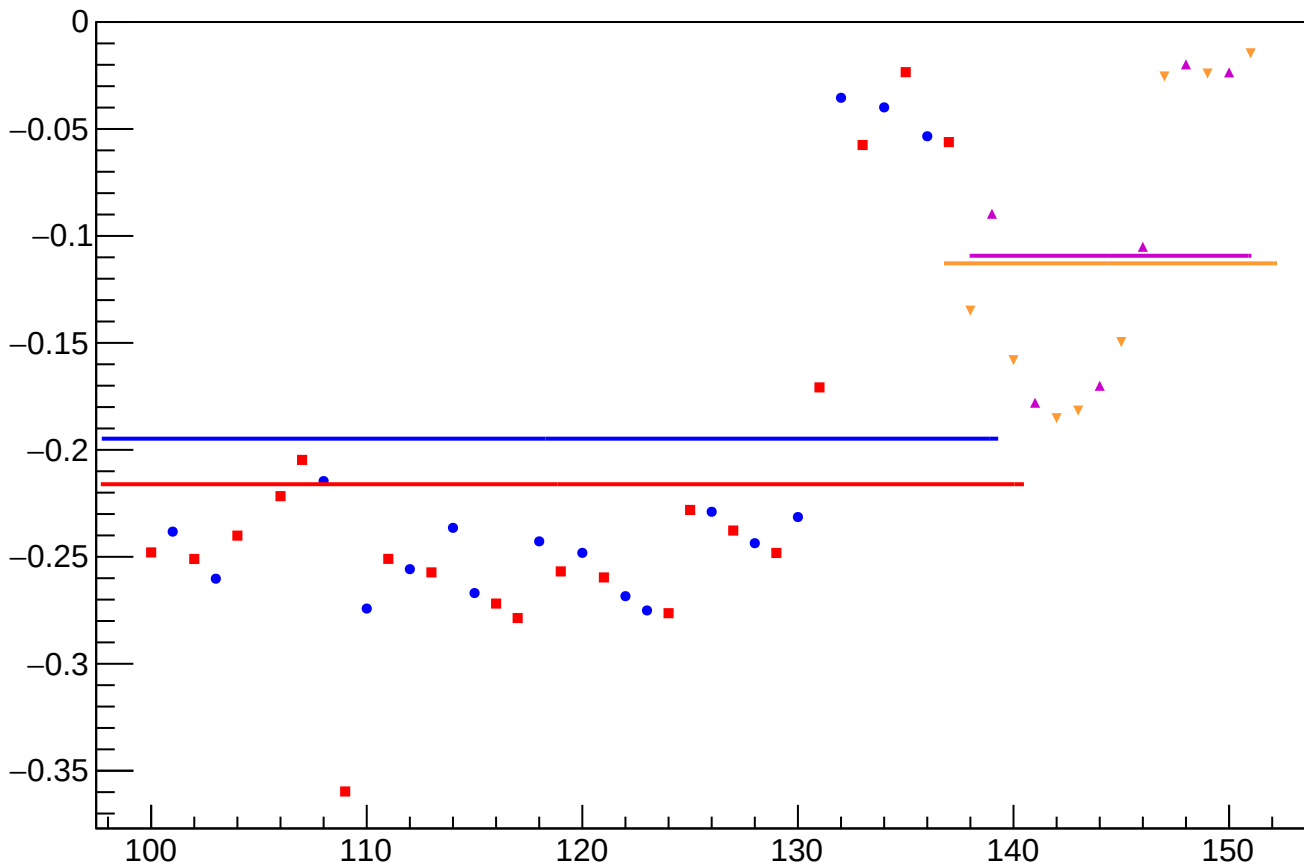
0.013+/-0.000 χ^2/NDF : 2039818.2/24

Right Out: 0.015+/-0.000 χ^2/NDF : 1291174.0/19

0.014+/-0.000 χ^2/NDF : 1776659.1/25

Left In: 0.013+/-0.000 χ^2/NDF : 384074.0/5

yield_bpm4ecX_mean vs Slug



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.113+/-0.000 χ^2/NDF : 60408748.6/7

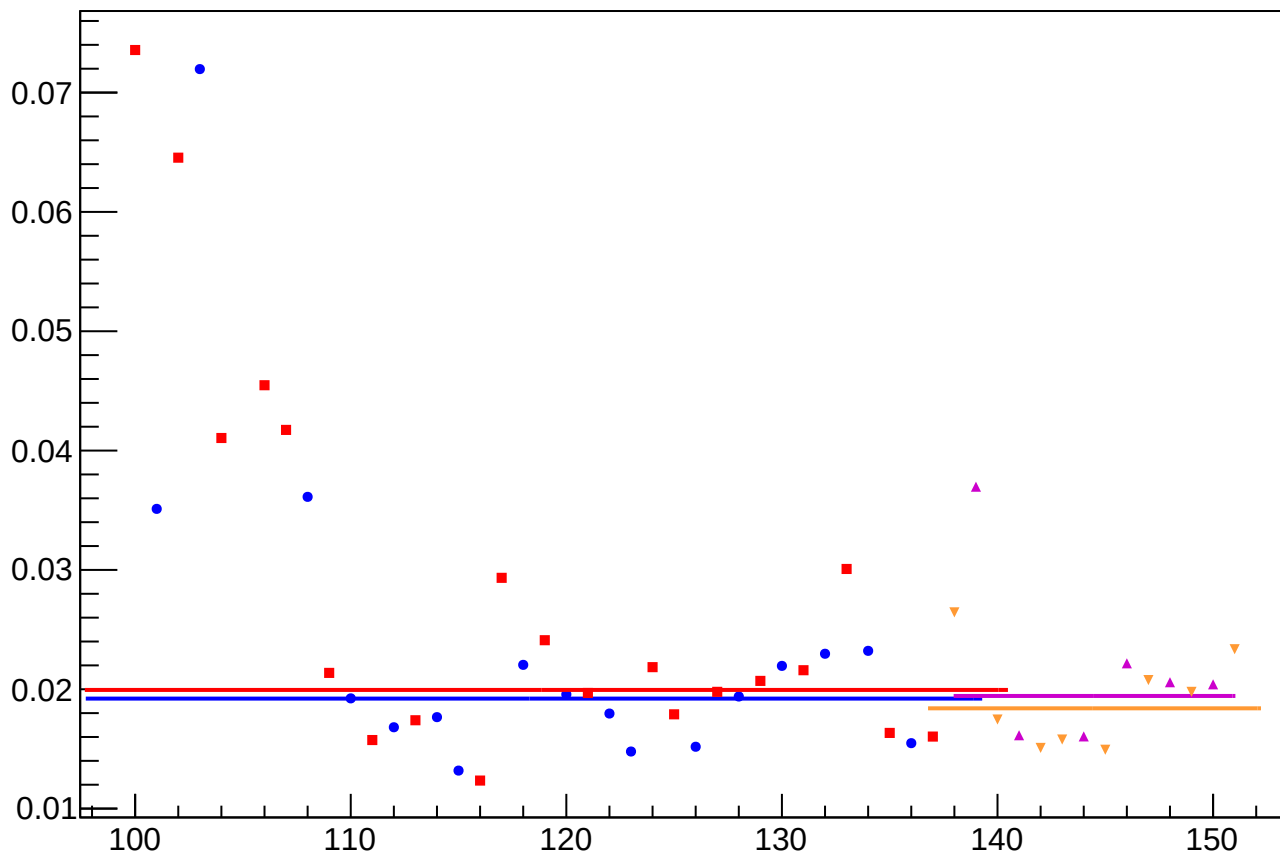
Right Out: -0.216+/-0.000 χ^2/NDF : 112167032.2/19

Left In: -0.109+/-0.000 χ^2/NDF : 45244385.4/5

-0.155+/-0.000 χ^2/NDF : 213194691.5/24

-0.170+/-0.000 χ^2/NDF : 221547460.6/25

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1177085.4/16

Left Out: 0.018+/-0.000 χ^2/NDF : 312442.5/7

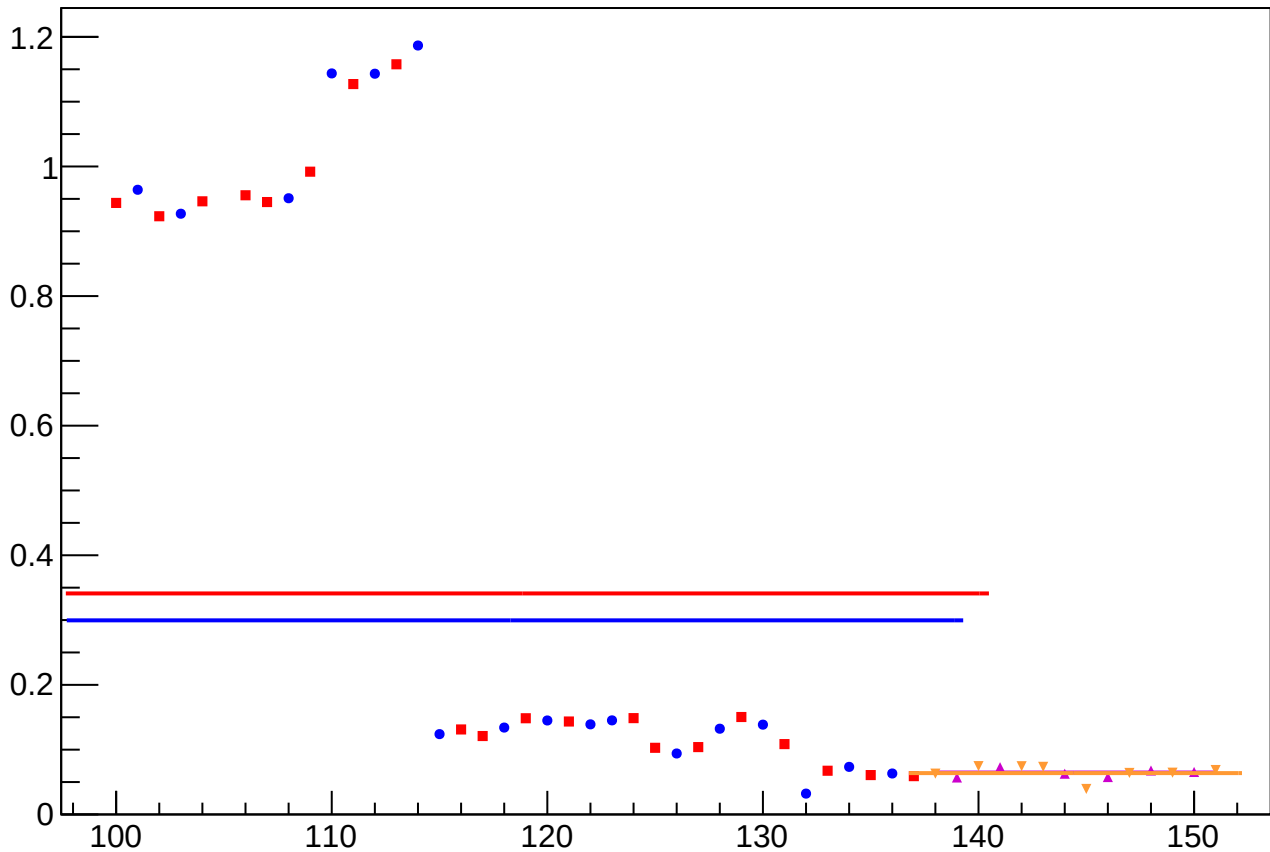
Right Out: 0.020+/-0.000 χ^2/NDF : 1455211.7/19

Left In: 0.019+/-0.000 χ^2/NDF : 435851.7/5

0.019+/-0.000 χ^2/NDF : 1498255.2/24

0.020+/-0.000 χ^2/NDF : 1893929.0/25

yield_bpm4ecY_mean vs Slug



Right In: 0.300+/-0.000 χ^2/NDF : 5165052137.6/16

Left Out: 0.064+/-0.000 χ^2/NDF : 6422518.3/7

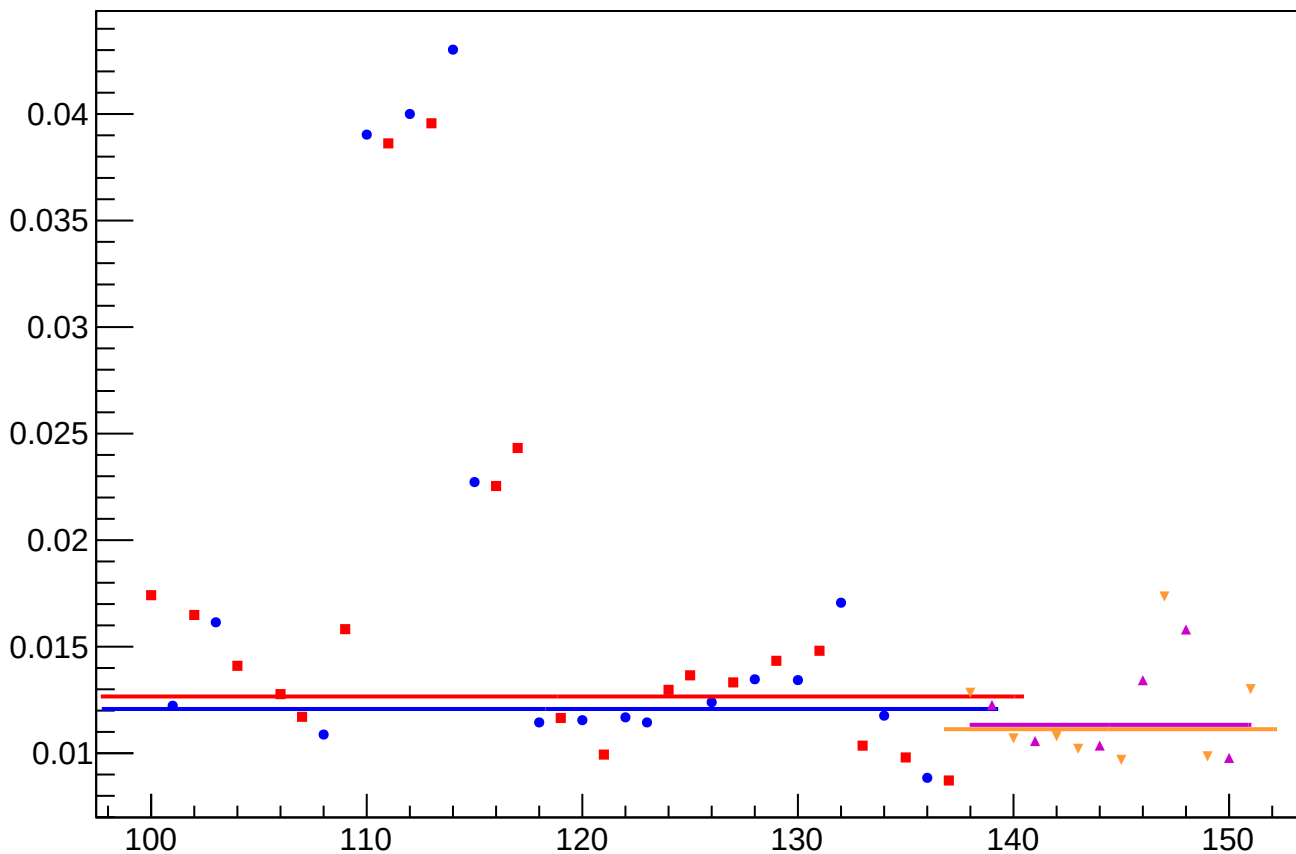
0.176+/-0.000 χ^2/NDF : 6306156822.6/24

Right Out: 0.341+/-0.000 χ^2/NDF : 5453748737.7/19

0.206+/-0.000 χ^2/NDF : 6833793930.8/25

Left In: 0.065+/-0.000 χ^2/NDF : 1006545.3/5

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1282097.7/16

Left Out: 0.011+/-0.000 χ^2/NDF :320658.4/7

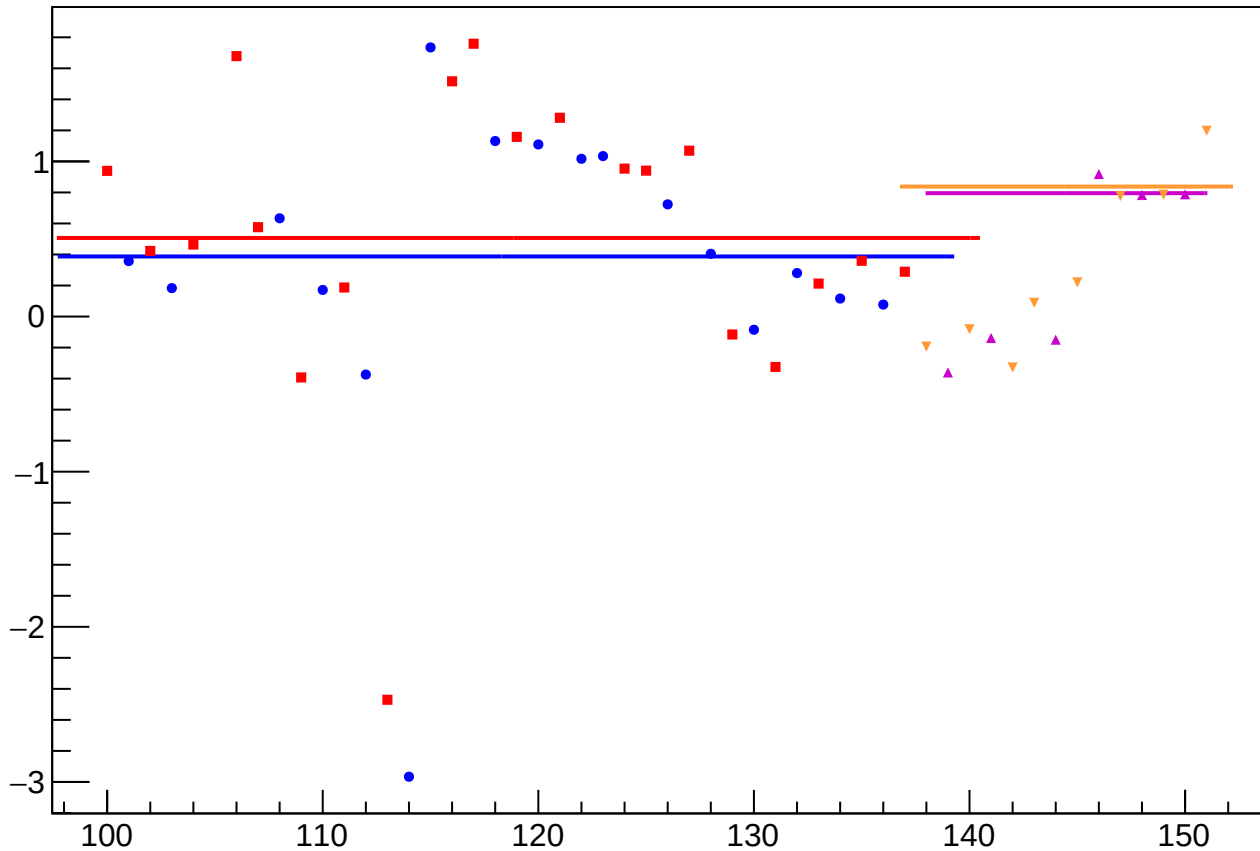
Right Out: 0.013+/-0.000 χ^2/NDF : 1255391.1/19

Left In: 0.011+/-0.000 χ^2/NDF :233102.3/5

0.012+/-0.000 χ^2/NDF : 1639516.4/24

0.012+/-0.000 χ^2/NDF : 1552428.7/25

yield_bpm1X_mean vs Slug



Right In: 0.387 ± 0.000 $\chi^2/\text{NDF}: 247912593.5/16$

Left Out: 0.838 ± 0.000 $\chi^2/\text{NDF}: 640335571.4/7$

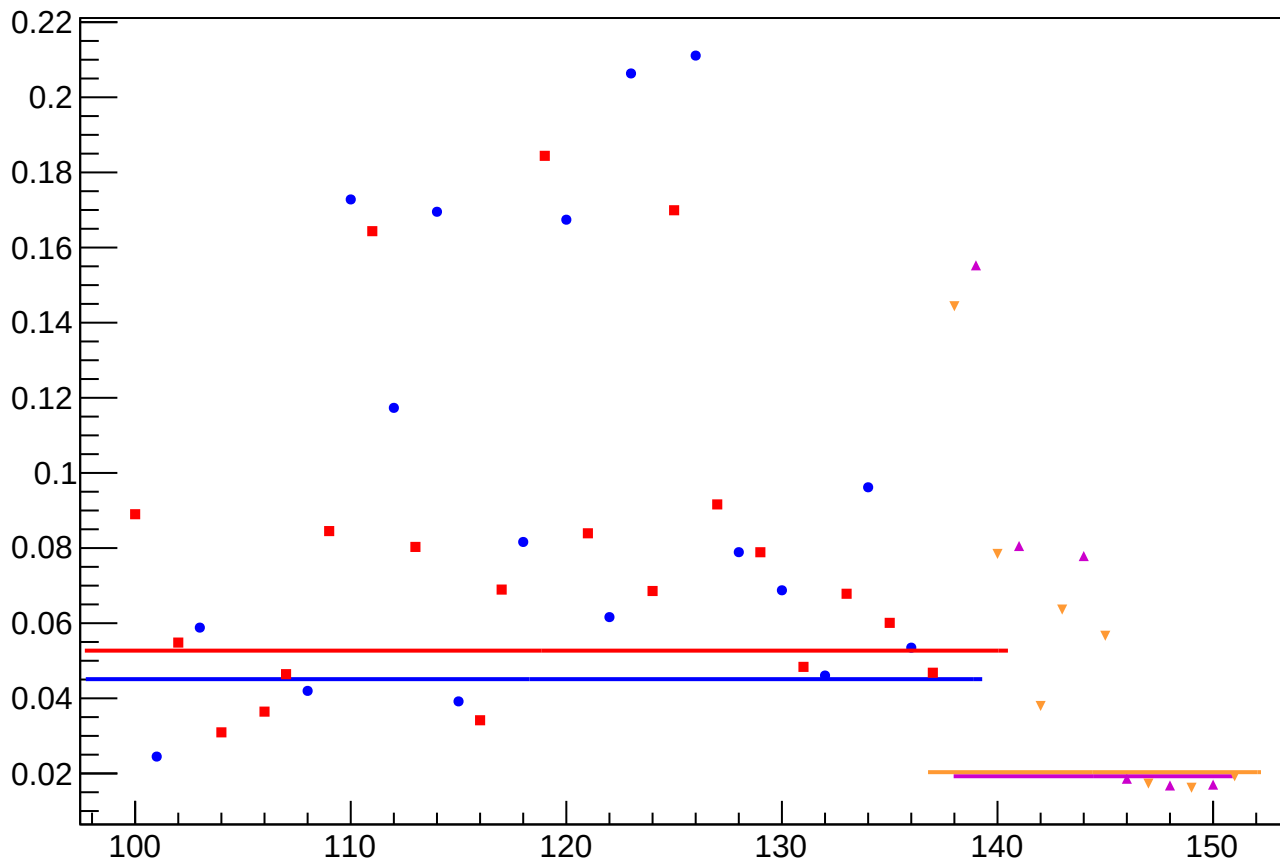
Right Out: 0.507 ± 0.000 $\chi^2/\text{NDF}: 995347030.4/19$

Left In: 0.795 ± 0.000 $\chi^2/\text{NDF}: 203737148.3/5$

0.752 ± 0.000 $\chi^2/\text{NDF}: 1175805794.0/24$

0.745 ± 0.000 $\chi^2/\text{NDF}: 1302224334.0/25$

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2846218.9/16

Left Out: 0.020+/-0.000 χ^2/NDF :2477686.9/7

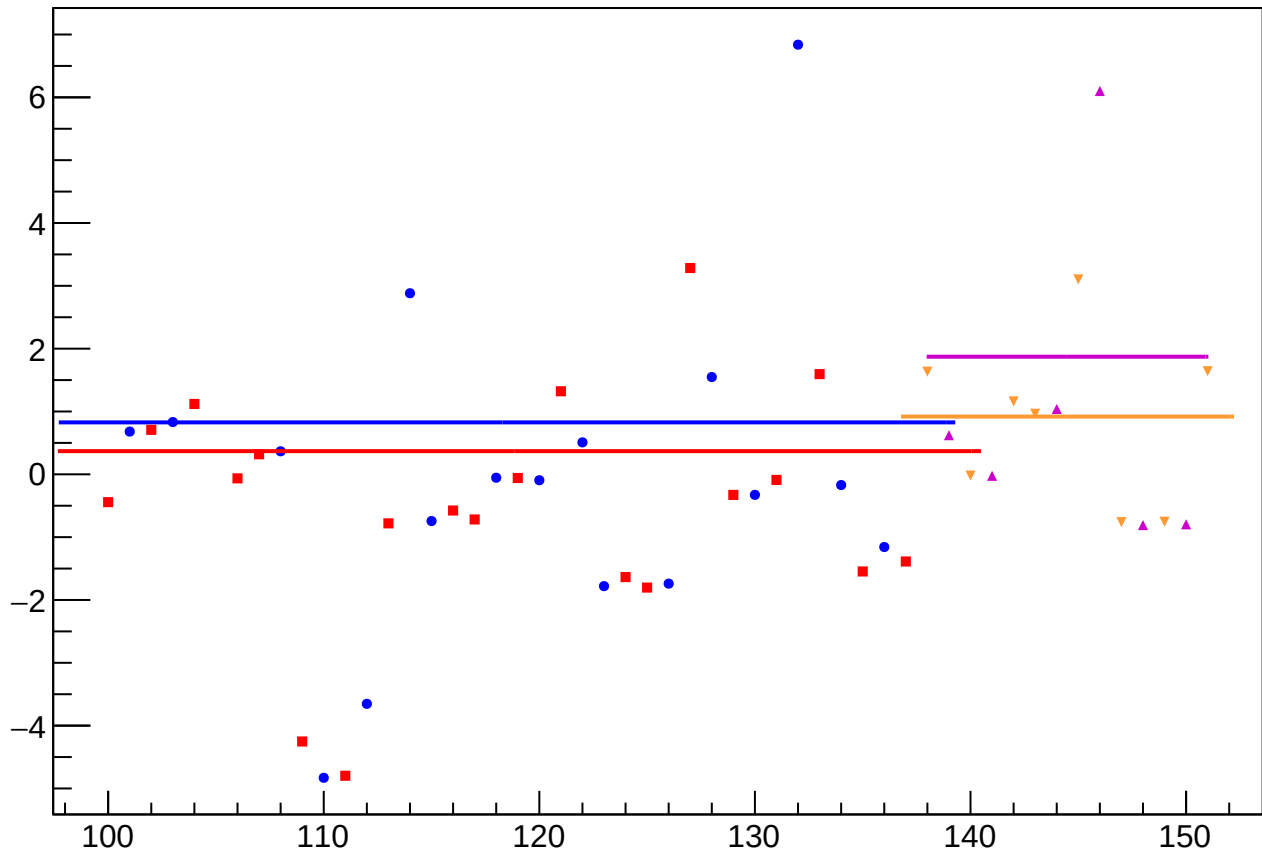
Right Out: 0.053+/-0.000 χ^2/NDF : 2194555.4/19

Left In: 0.019+/-0.000 χ^2/NDF :2124884.0/5

0.025+/-0.000 χ^2/NDF : 7060521.9/24

0.025+/-0.000 χ^2/NDF : 7087302.8/25

yield_bpm1Y_mean vs Slug



Right In: 0.827 ± 0.000 χ^2/NDF : 10936458870.4/16

Left Out: 0.919 ± 0.000 χ^2/NDF : 26779176789.3/7

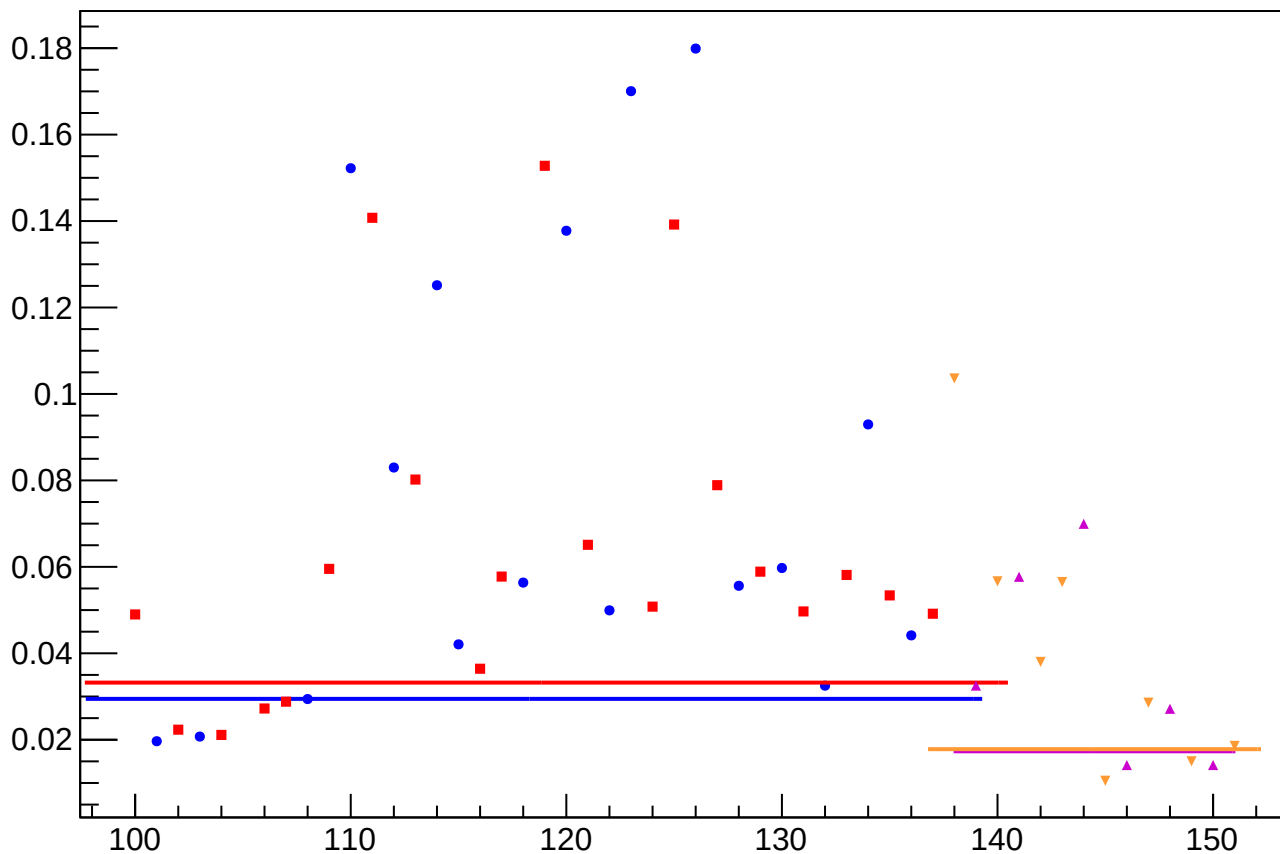
Right Out: 0.369 ± 0.000 χ^2/NDF : 4985860510.0/19

Left In: 1.872 ± 0.000 χ^2/NDF : 100182361059.7/5

0.892 ± 0.000 χ^2/NDF : 37739630741.3/24

1.455 ± 0.000 χ^2/NDF : 110897868901.9/25

yield_bpm1Y_rms vs Slug



Right In: 0.029 ± 0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.018 ± 0.000 χ^2/NDF : 2334061.0/7

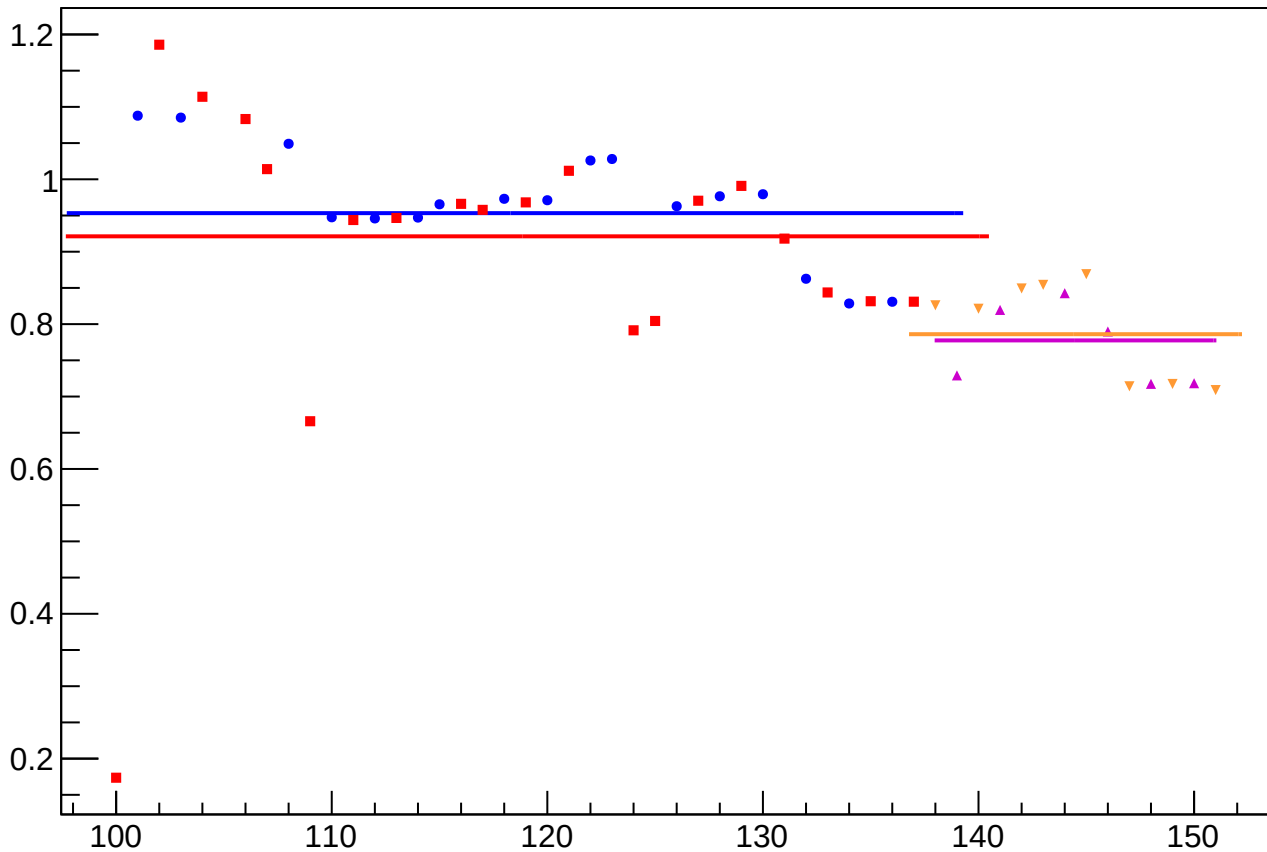
Right Out: 0.033 ± 0.000 χ^2/NDF : 3110014.7/19

Left In: 0.017 ± 0.000 χ^2/NDF : 1519675.9/5

0.021 ± 0.000 χ^2/NDF : 6146876.2/24

0.022 ± 0.000 χ^2/NDF : 5911285.8/25

yield_bpm11X_mean vs Slug



Right In: 0.953+/-0.000 χ^2/NDF : 175396553.4/16

Left Out: 0.786+/-0.000 χ^2/NDF :144223170.8/7

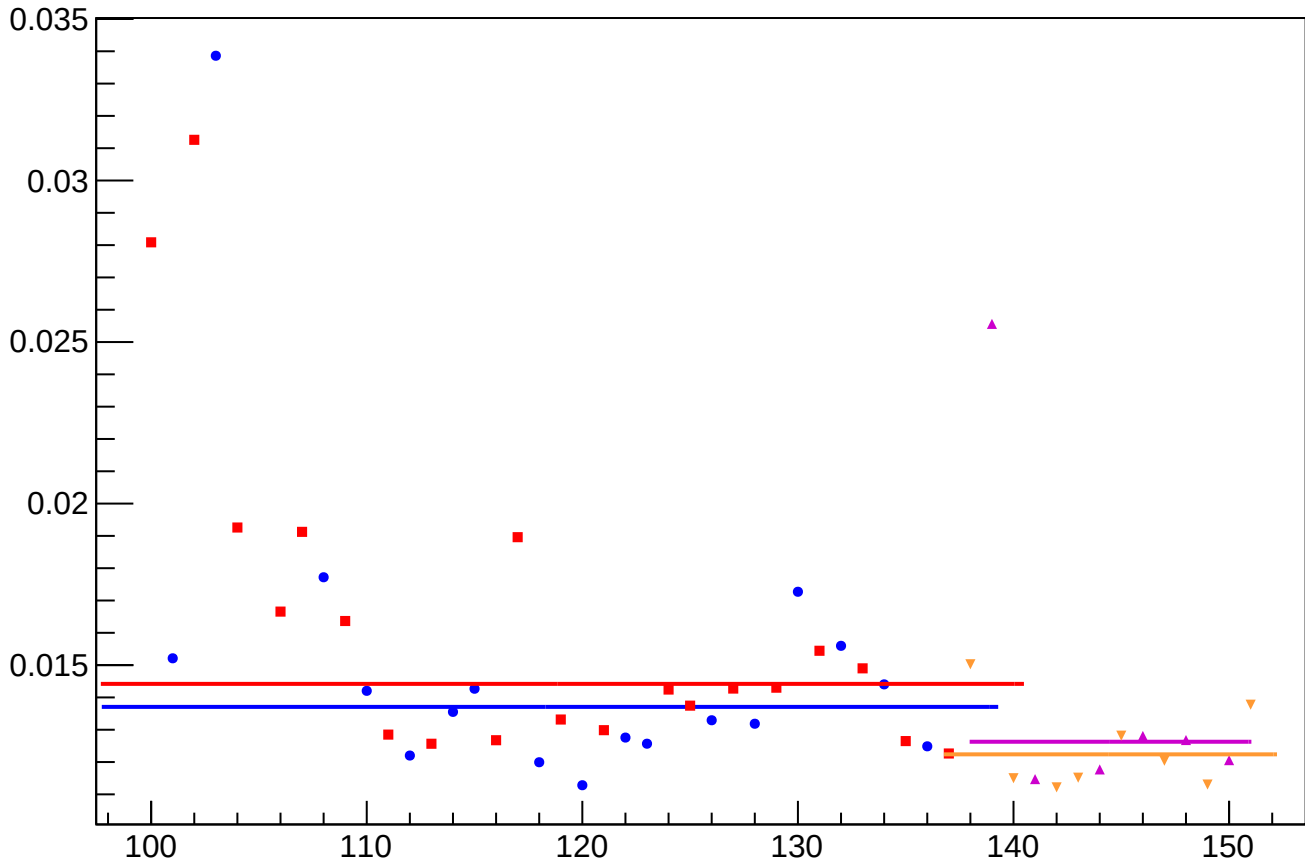
0.867+/-0.000 χ^2/NDF : 764813649.1/24

Right Out: 0.921+/-0.000 χ^2/NDF : 374376205.4/19

0.854+/-0.000 χ^2/NDF : 732452509.9/25

Left In: 0.778+/-0.000 χ^2/NDF :71194176.8/5

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 : 87755.7/7

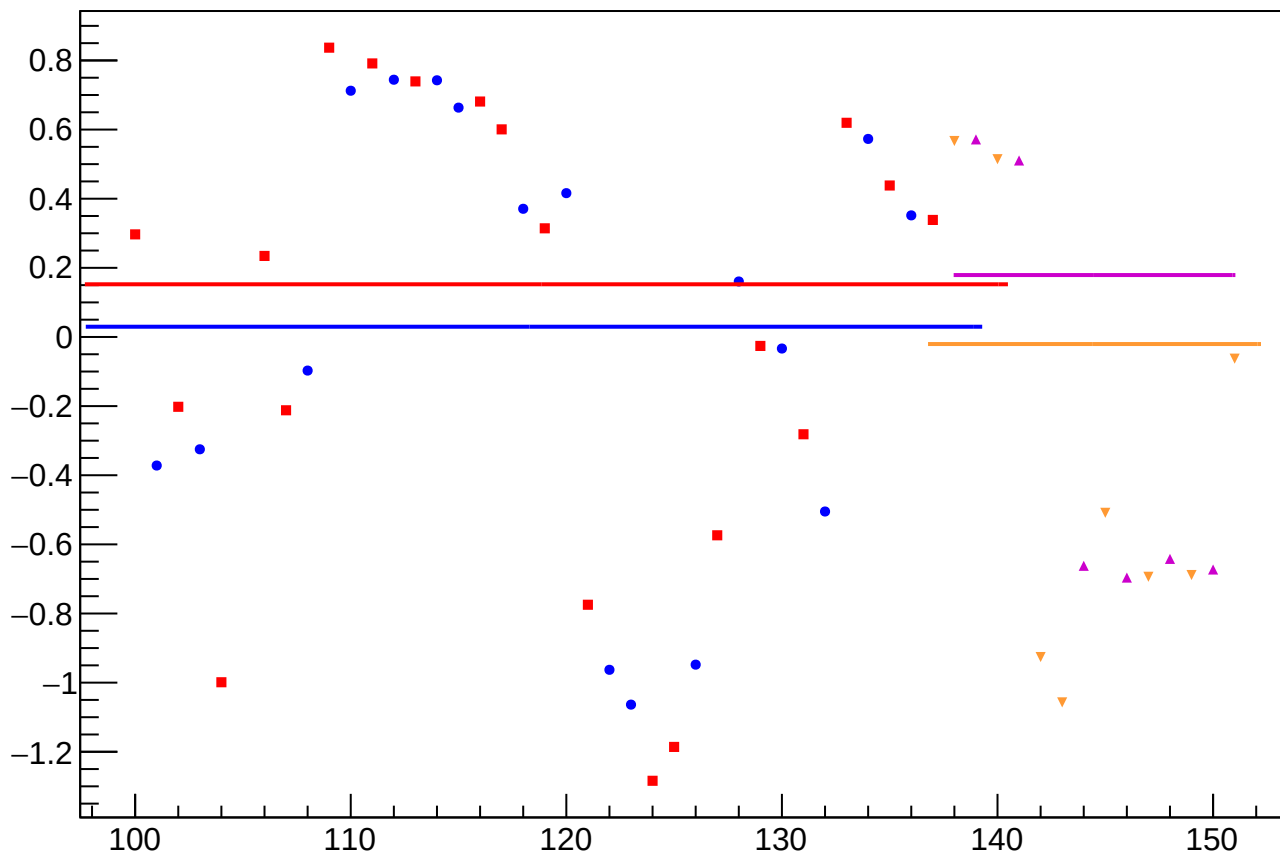
Right Out: 0.014+/-0.000 χ^2/NDF : 506553.4/19

Left In: 0.013+/-0.000 χ^2/NDF : 362843.1/5

0.013+/-0.000 χ^2/NDF : 702841.6/24

0.014+/-0.000 χ^2/NDF : 958522.0/25

yield_bpm11Y_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 6294824795.0/16

Left Out: -0.020+/-0.000 χ^2/NDF : 16507488966.0/7

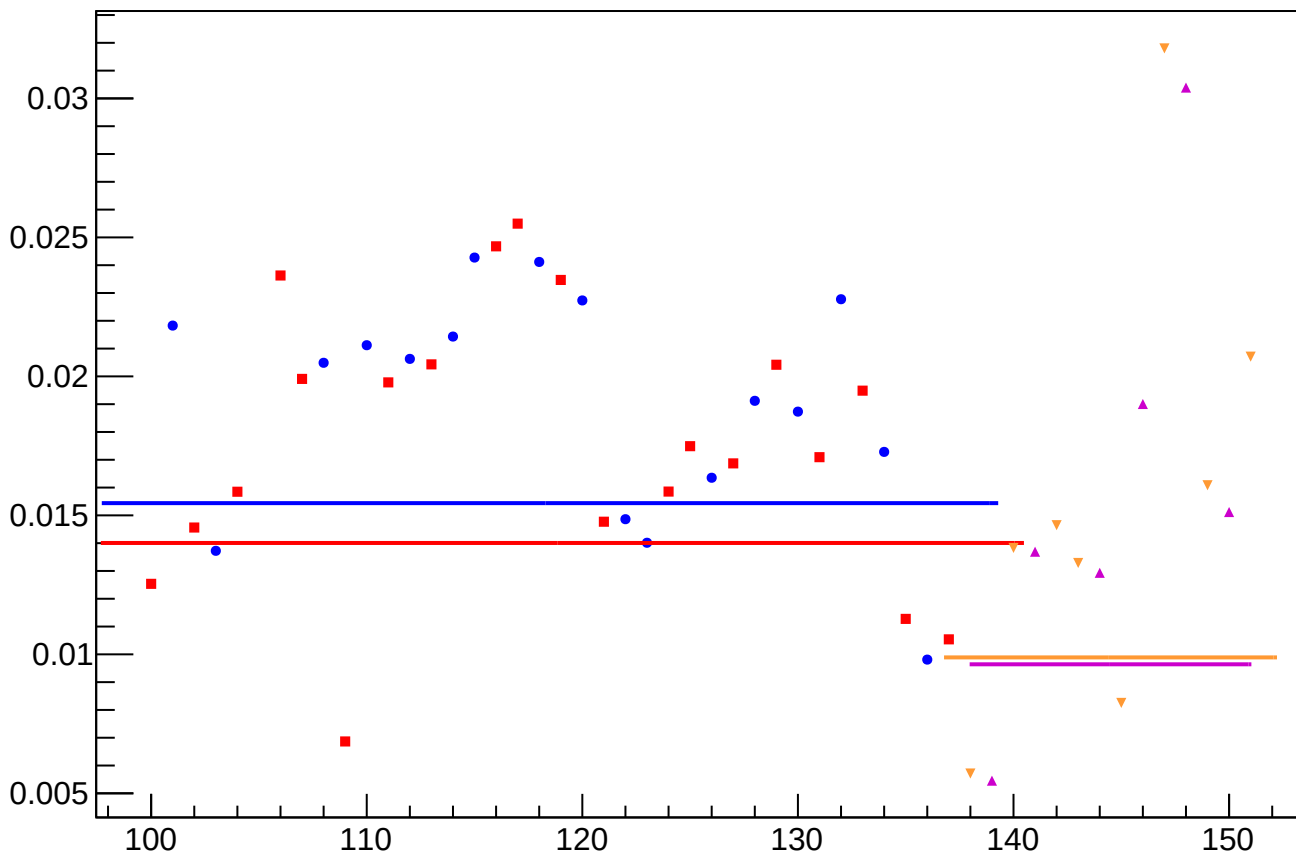
Right Out: 0.152+/-0.000 χ^2/NDF : 12673501089.9/19

Left In: 0.179+/-0.000 χ^2/NDF : 11974166034.0/5

-0.002+/-0.000 χ^2/NDF : 22840278281.0/24

0.167+/-0.000 χ^2/NDF : 24659182247.6/25

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.010+/-0.000 χ^2/NDF : 2299338.7/7

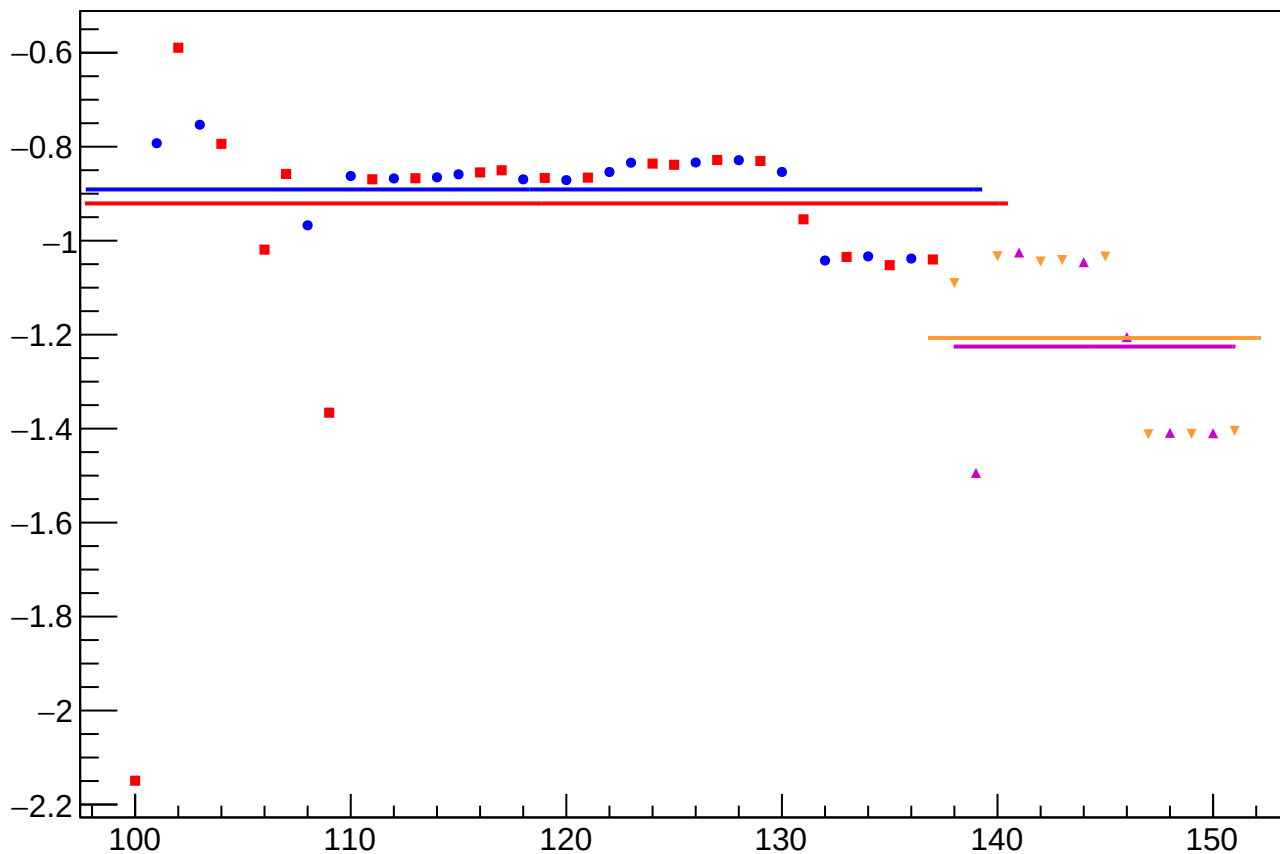
Right Out: 0.014+/-0.000 χ^2/NDF : 1576149.9/19

Left In: 0.010+/-0.000 χ^2/NDF : 2262073.8/5

0.012+/-0.000 χ^2/NDF : 4393676.2/24

0.012+/-0.000 χ^2/NDF : 4452877.5/25

yield_bpm12X_mean vs Slug



Right In: -0.891+/-0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.207+/-0.000 χ^2/NDF : 167027849.9/7

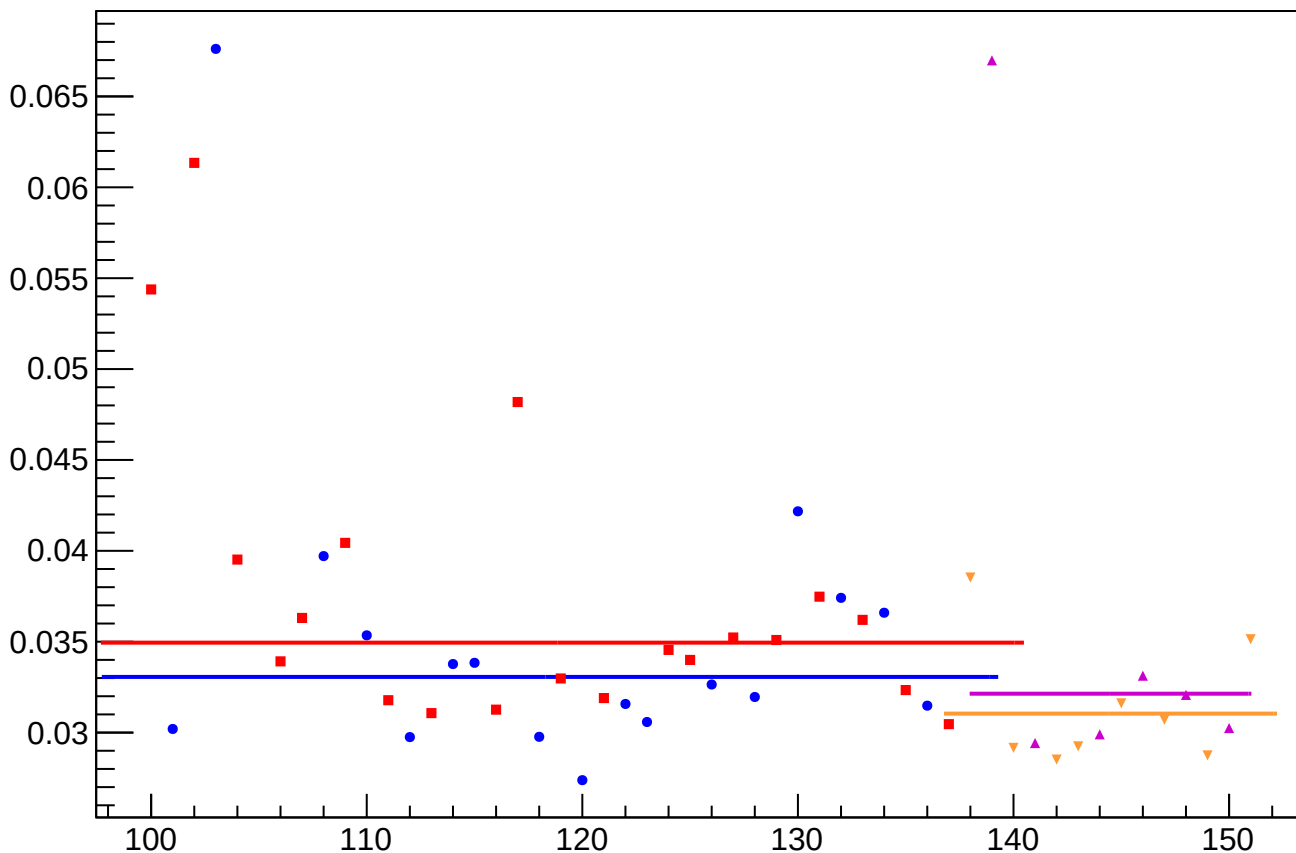
Right Out: -0.921+/-0.000 χ^2/NDF : 131271770.4/19

Left In: -1.225+/-0.000 χ^2/NDF : 123404909.2/5

-1.044+/-0.000 χ^2/NDF : 466810483.4/24

-1.056+/-0.000 χ^2/NDF : 463079567.2/25

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 : 89920.3/7

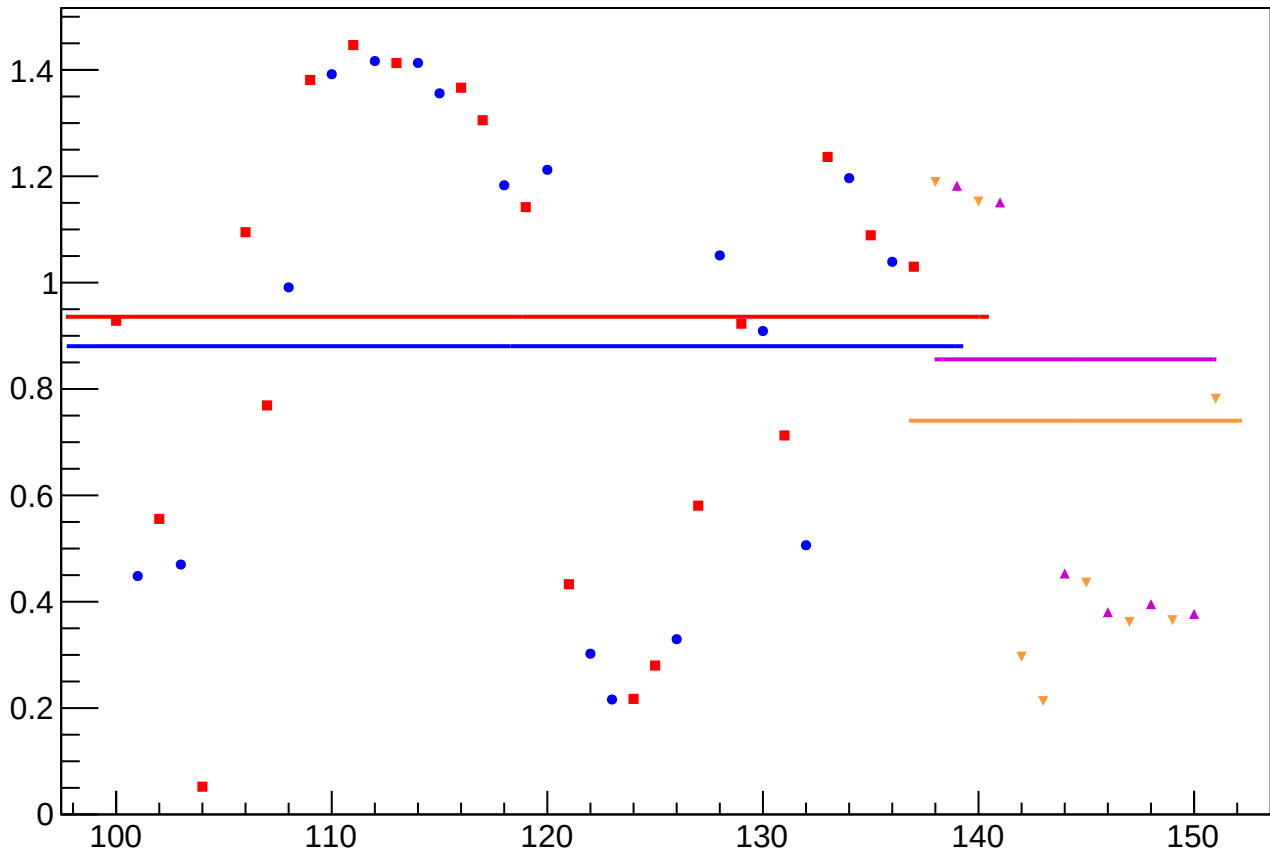
Right Out: 0.035+/-0.000 χ^2/NDF : 280500.4/19

Left In: 0.032+/-0.000 χ^2/NDF : 383397.0/5

0.032+/-0.000 χ^2/NDF : 520415.0/24

0.034+/-0.000 χ^2/NDF : 699339.5/25

yield_bpm12Y_mean vs Slug



Right In: 0.880 $\pm$ 0.000 χ^2/NDF : 6400108121.4/16

Left Out: 0.740 $\pm$ 0.000 χ^2/NDF : 11910441944.9/7

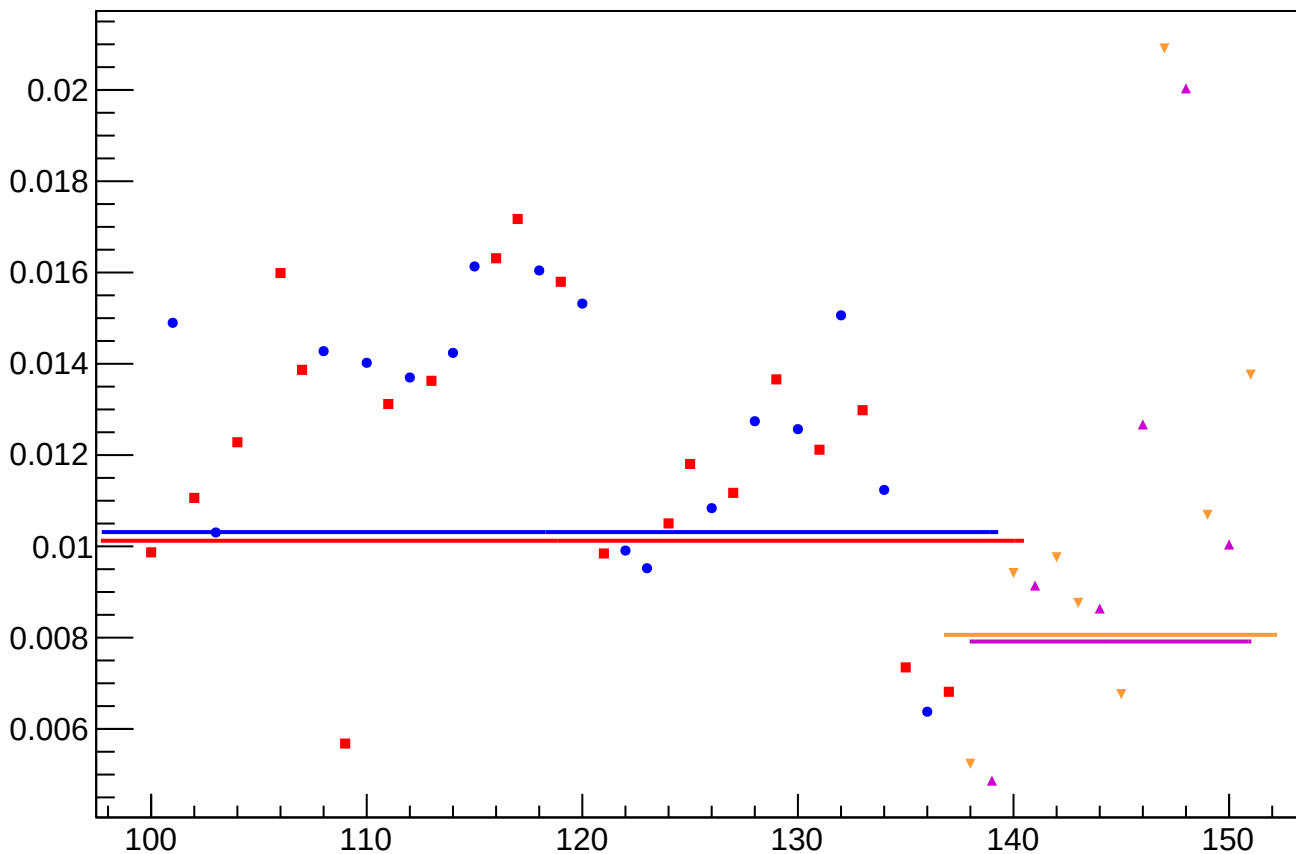
Right Out: 0.936 $\pm$ 0.000 χ^2/NDF : 9851303698.9/19

Left In: 0.856 $\pm$ 0.000 χ^2/NDF : 8809058980.3/5

0.800 $\pm$ 0.000 χ^2/NDF : 18907904339.4/24

0.894 $\pm$ 0.000 χ^2/NDF : 18851672238.5/25

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1231066.2/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1402279.5/7

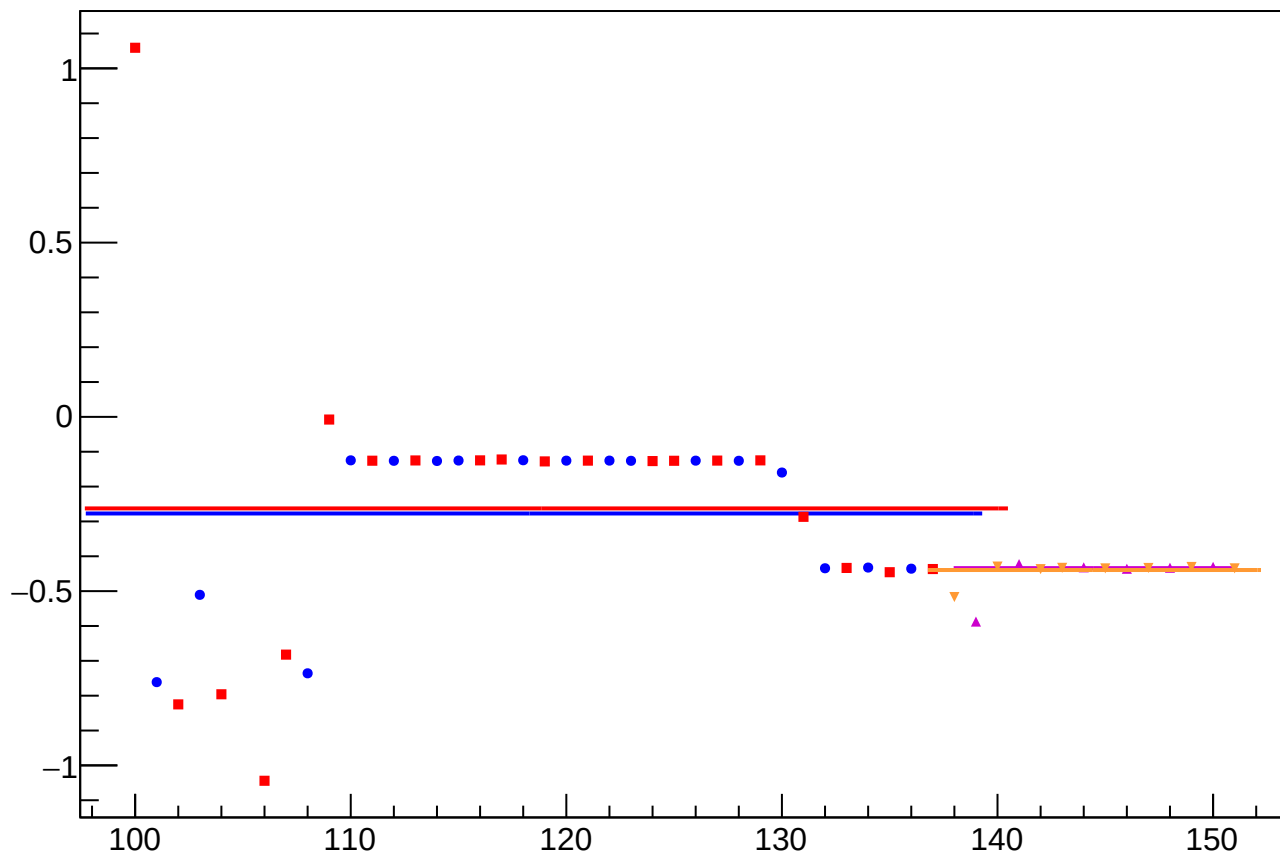
Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1191429.9/19

Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1369996.9/5

0.009 $\pm$ 0.000 χ^2 /NDF: 2941978.0/24

0.009 $\pm$ 0.000 χ^2 /NDF: 2851663.1/25

yield_bpm16X_mean vs Slug



Right In: -0.277 ± 0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.439 ± 0.000 χ^2/NDF : 23813184.2/7

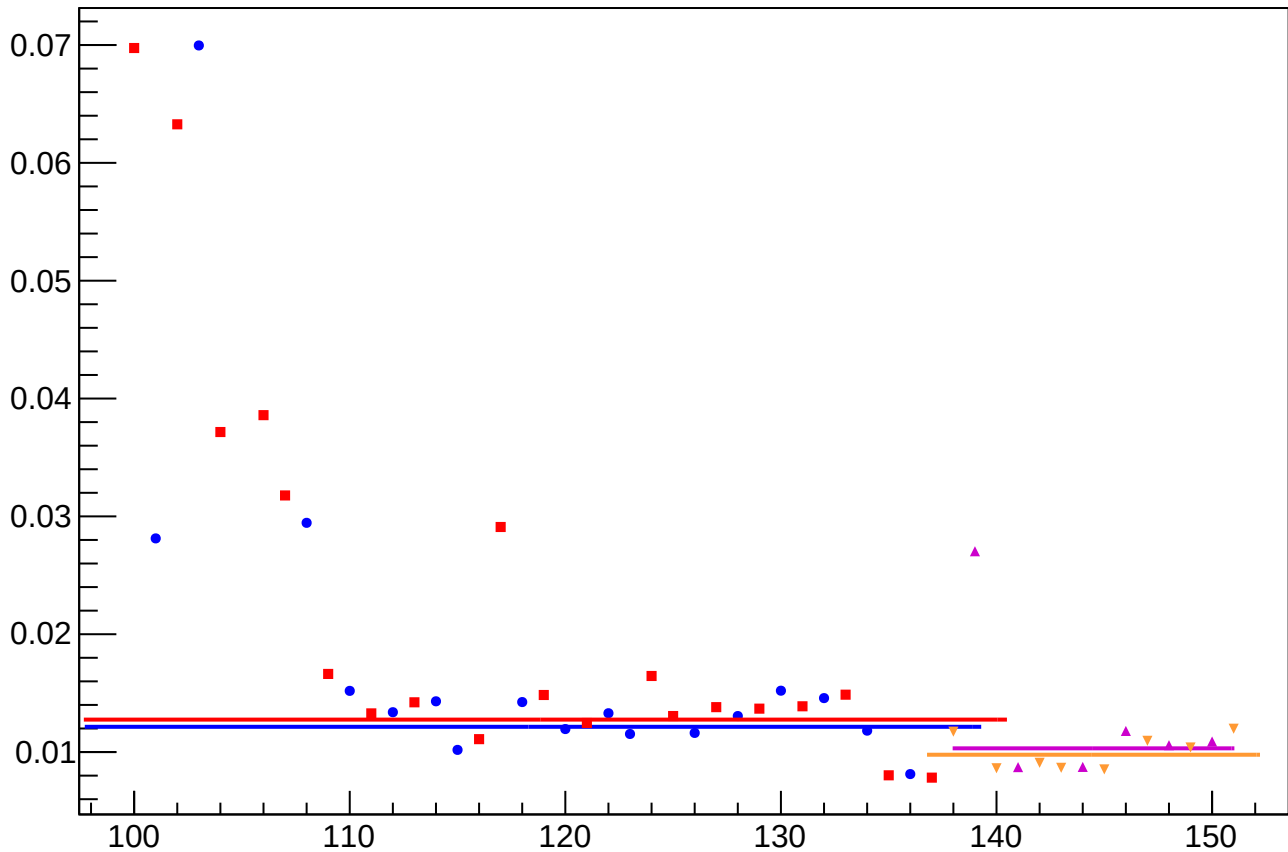
Right Out: -0.263 ± 0.000 χ^2/NDF : 1009303829.9/19

Left In: -0.434 ± 0.000 χ^2/NDF : 22657870.3/5

-0.374 ± 0.000 χ^2/NDF : 1466212659.4/24

-0.355 ± 0.000 χ^2/NDF : 1506997421.6/25

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1727494.7/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 161653.3/7

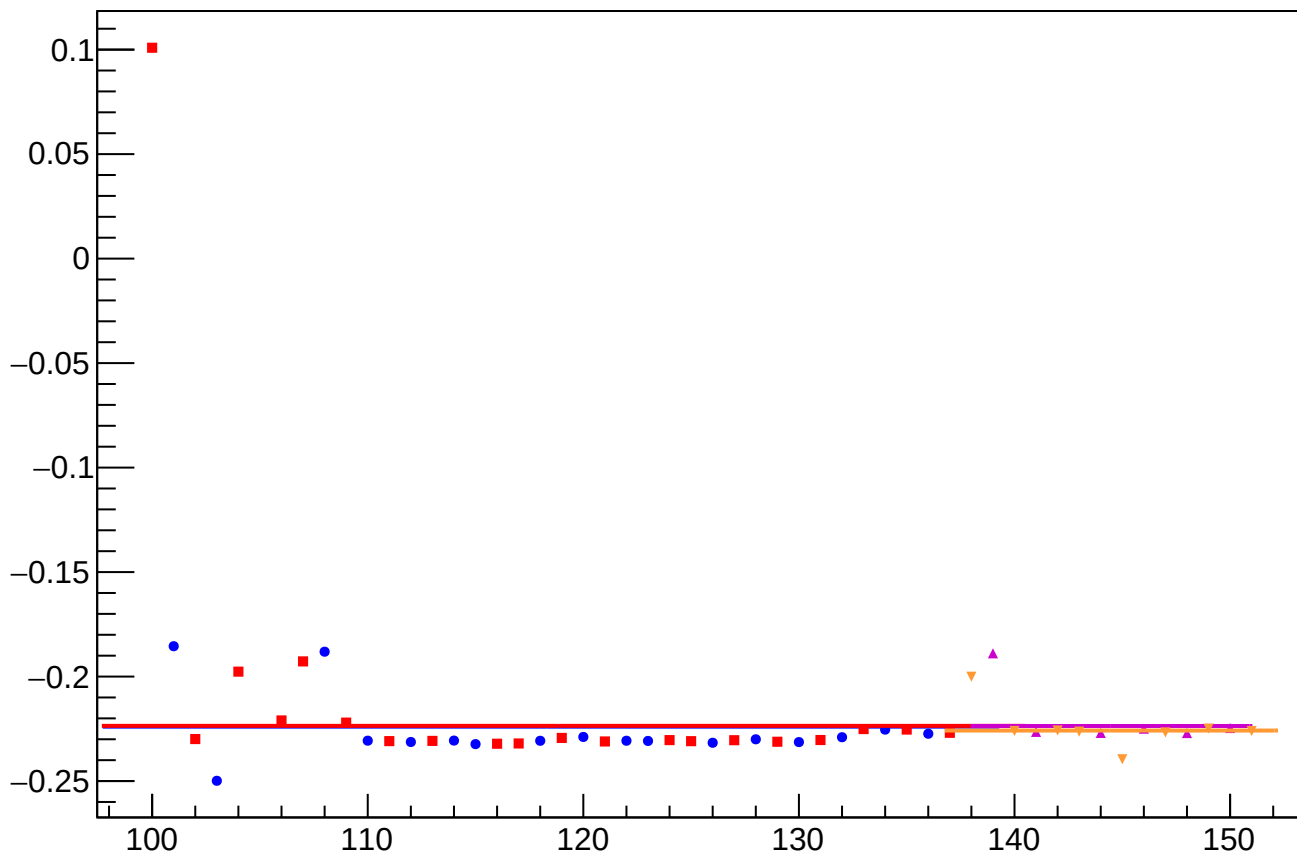
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1993726.2/19

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 620418.6/5

0.011 $\pm$ 0.000 χ^2 /NDF: 2103325.9/24

0.011 $\pm$ 0.000 χ^2 /NDF: 2806679.9/25

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 : 20513621.7/7

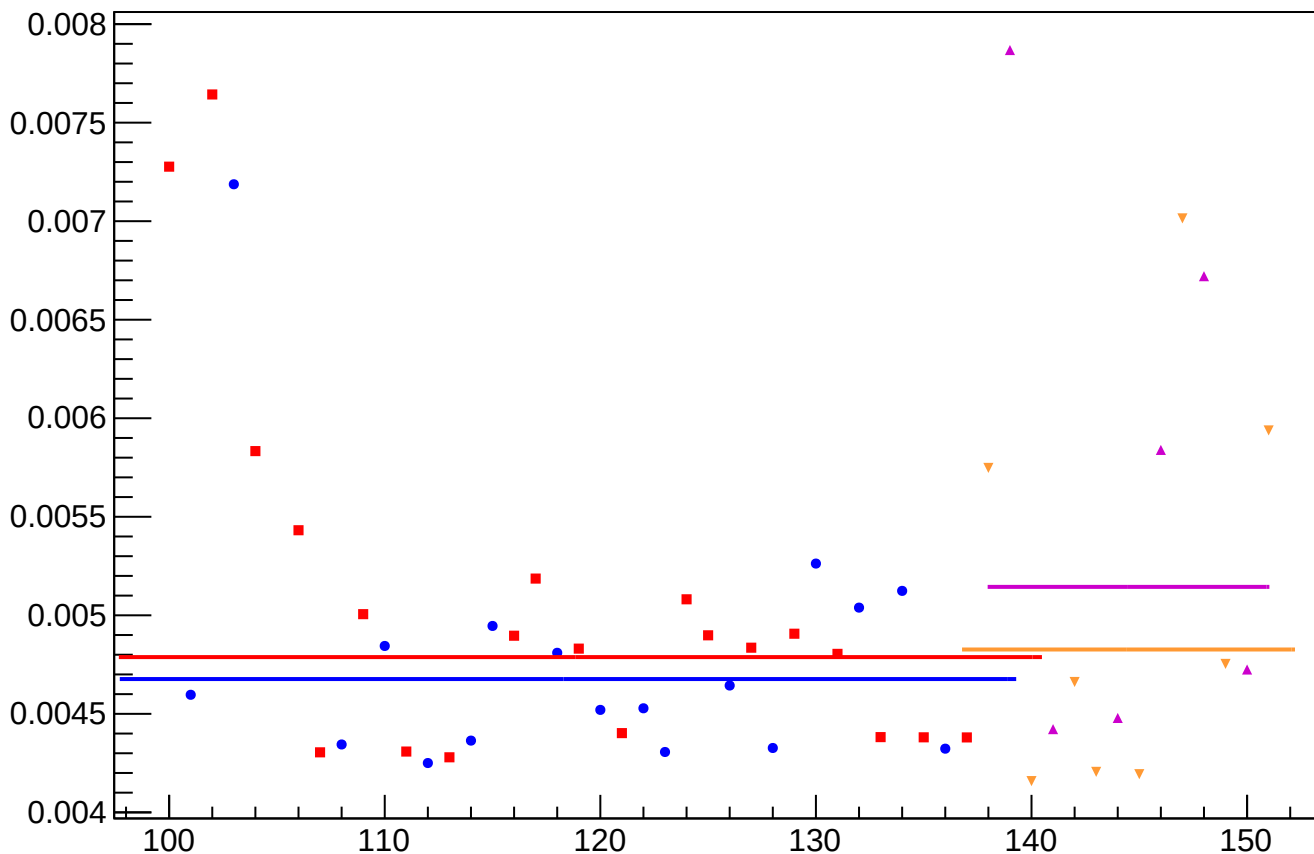
Right Out: -0.224+/-0.000 χ^2/NDF : 168231258.4/19

Left In: -0.224+/-0.000 χ^2/NDF : 13546261.6/5

-0.225+/-0.000 χ^2/NDF : 95652654.7/24

-0.224+/-0.000 χ^2/NDF : 181777823.9/25

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 181335.1/16

Left Out: 0.005+/-0.000 χ^2/NDF : 331424.0/7

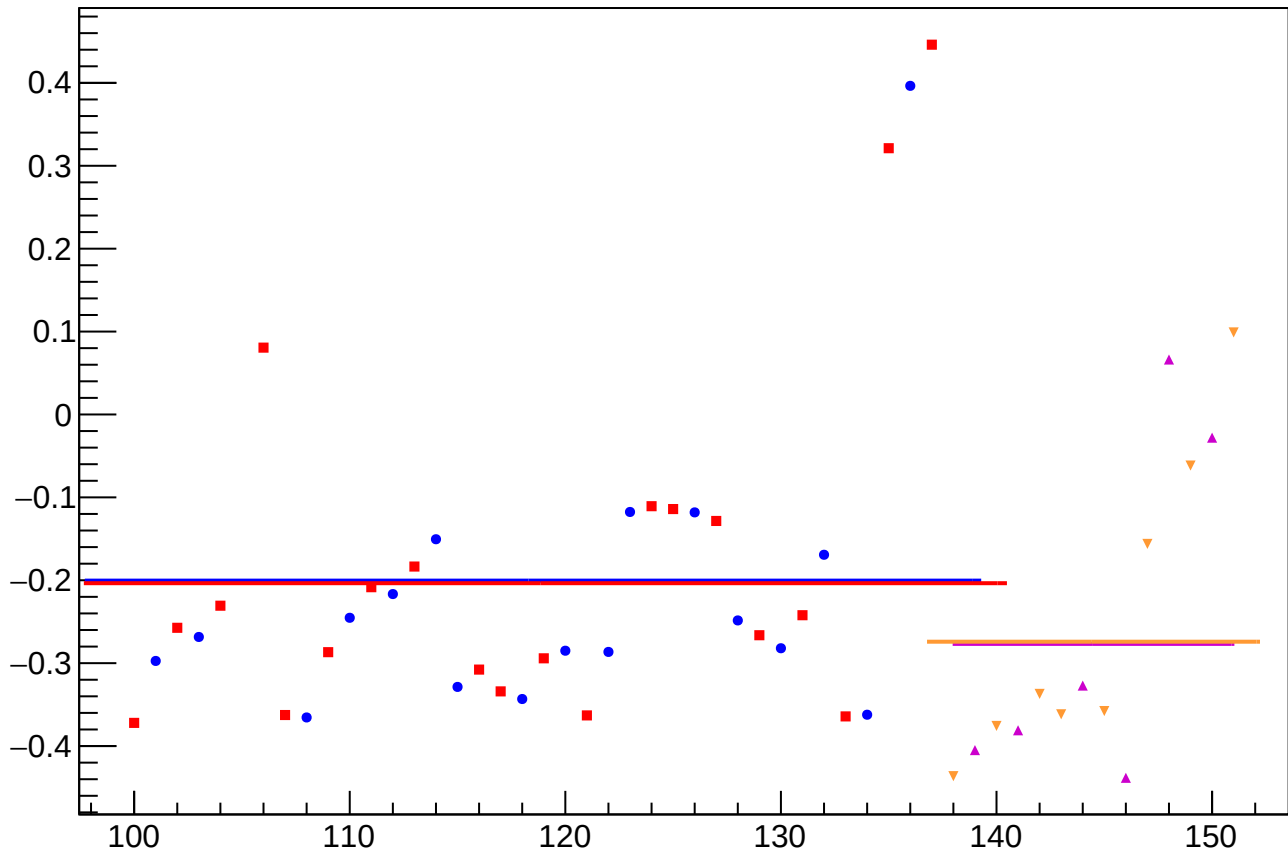
Right Out: 0.005+/-0.000 χ^2/NDF : 248668.3/19

Left In: 0.005+/-0.000 χ^2/NDF : 347462.2/5

0.005+/-0.000 χ^2/NDF : 518293.5/24

0.005+/-0.000 χ^2/NDF : 622449.4/25

yield_bpm0i02X_mean vs Slug



Right In: -0.200 ± 0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.274 ± 0.000 χ^2/NDF : 5329751975.9/7

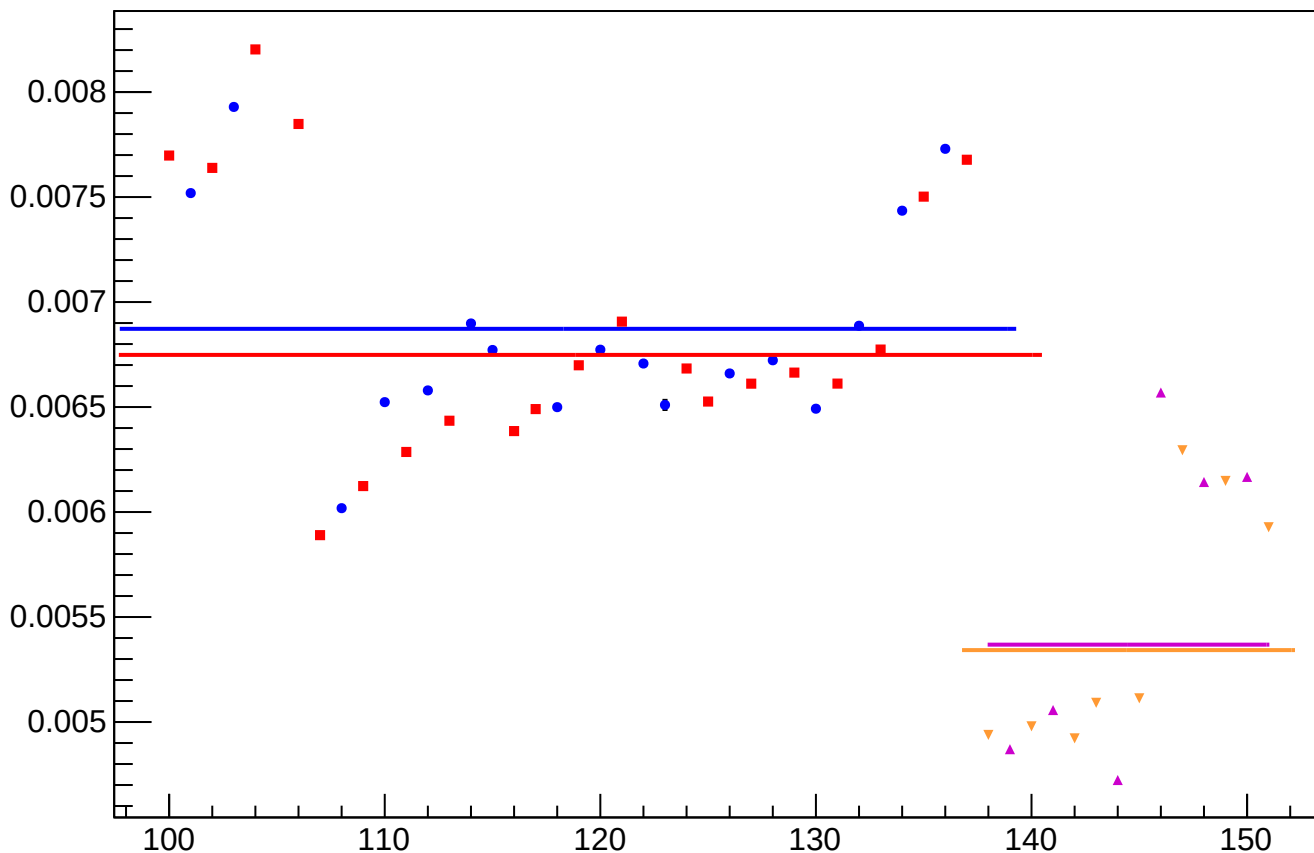
Right Out: -0.204 ± 0.000 χ^2/NDF : 5045878528.0/19

Left In: -0.277 ± 0.000 χ^2/NDF : 4617303635.8/5

-0.242 ± 0.000 χ^2/NDF : 11731391611.4/24

-0.240 ± 0.000 χ^2/NDF : 10065692109.5/25

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 78611.6/16

Left Out: 0.005+/-0.000 χ^2/NDF : 97097.8/7

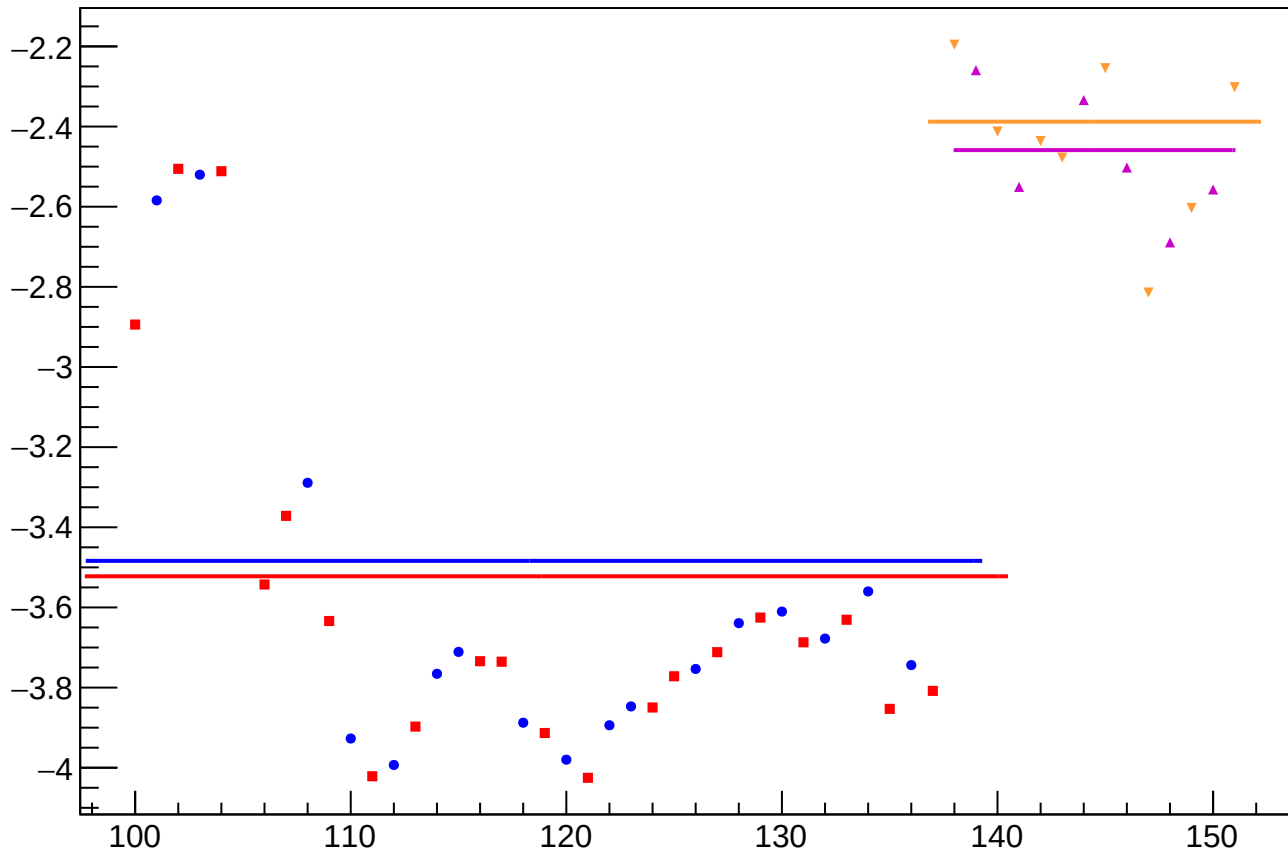
Right Out: 0.007+/-0.000 χ^2/NDF : 105262.1/19

Left In: 0.005+/-0.000 χ^2/NDF : 139090.3/5

0.006+/-0.000 χ^2/NDF : 544956.1/24

0.006+/-0.000 χ^2/NDF : 530345.8/25

yield_bpm0i02Y_mean vs Slug



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.388+/-0.000 χ^2/NDF :1369833450.2/7

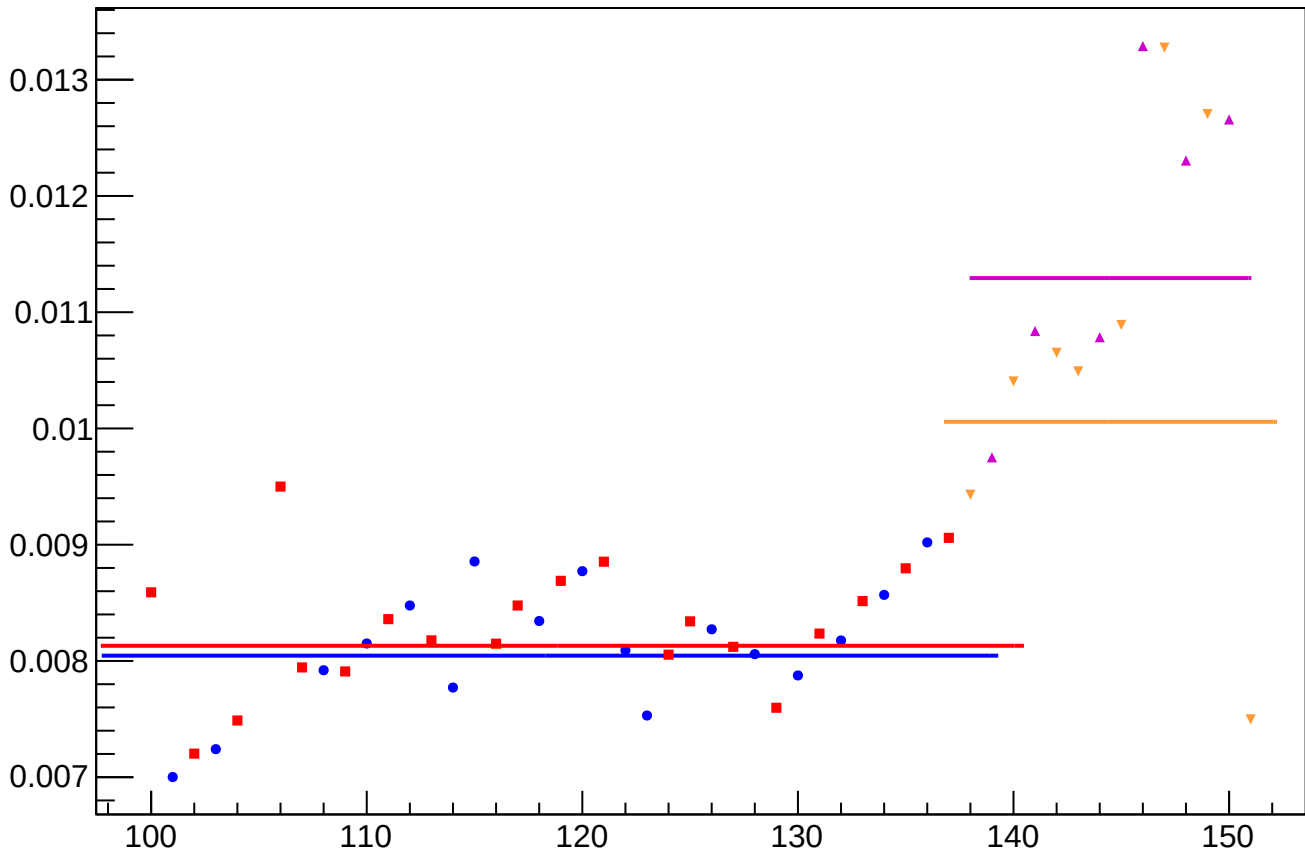
-3.122+/-0.000 χ^2/NDF : 68445451482.7/24

Right Out: -3.522+/-0.000 χ^2/NDF : 26497611752.4/19

-3.259+/-0.000 χ^2/NDF : 56069963179.4/25

Left In: -2.459+/-0.000 χ^2/NDF :742532412.4/5

yield_bpm0i02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 71989.8/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:300131.0/7

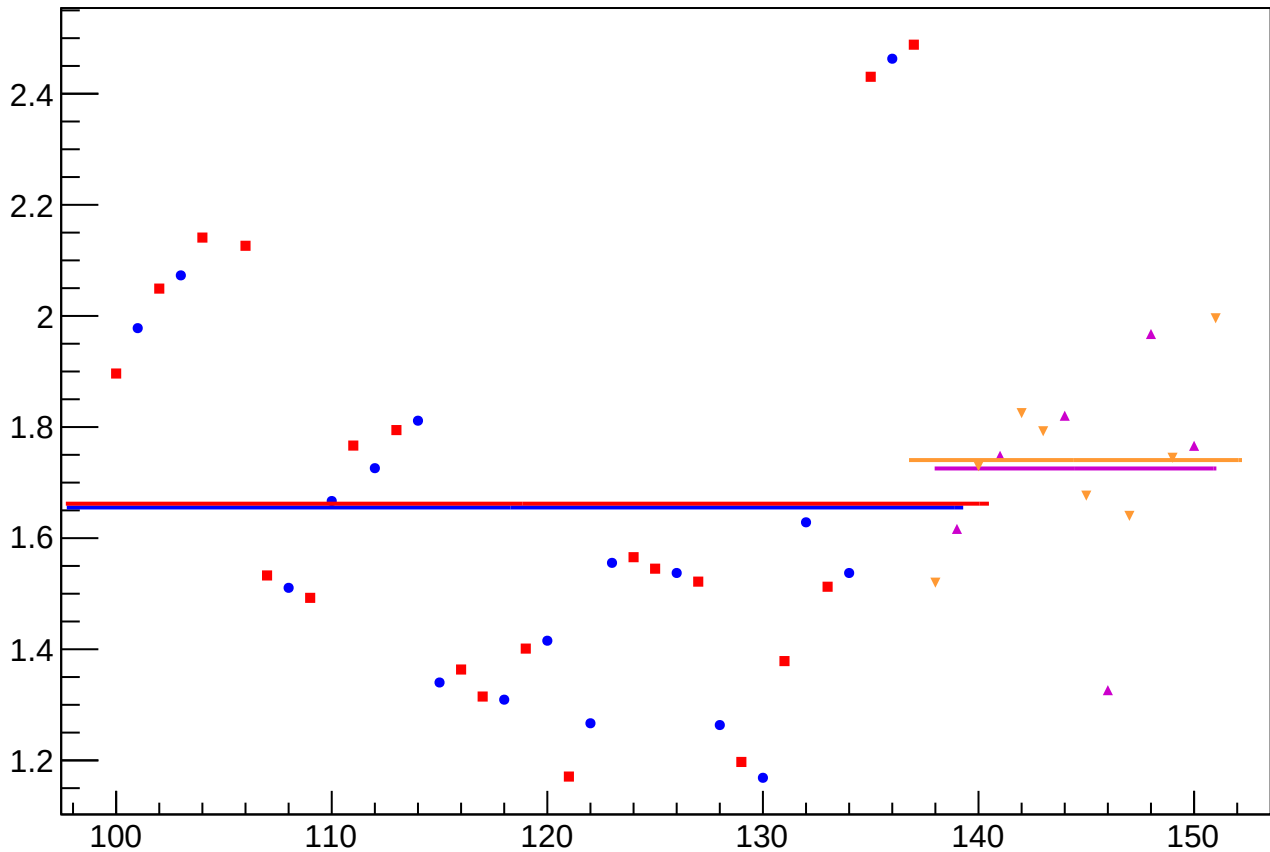
Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 57613.2/19

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:94267.2/5

0.009 $\pm$ 0.000 χ^2 /NDF: 641044.7/24

0.009 $\pm$ 0.000 χ^2 /NDF: 661910.1/25

yield_bpm0i02aX_mean vs Slug



Right In: 1.655 ± 0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.741 ± 0.000 χ^2/NDF : 838748053.8/7

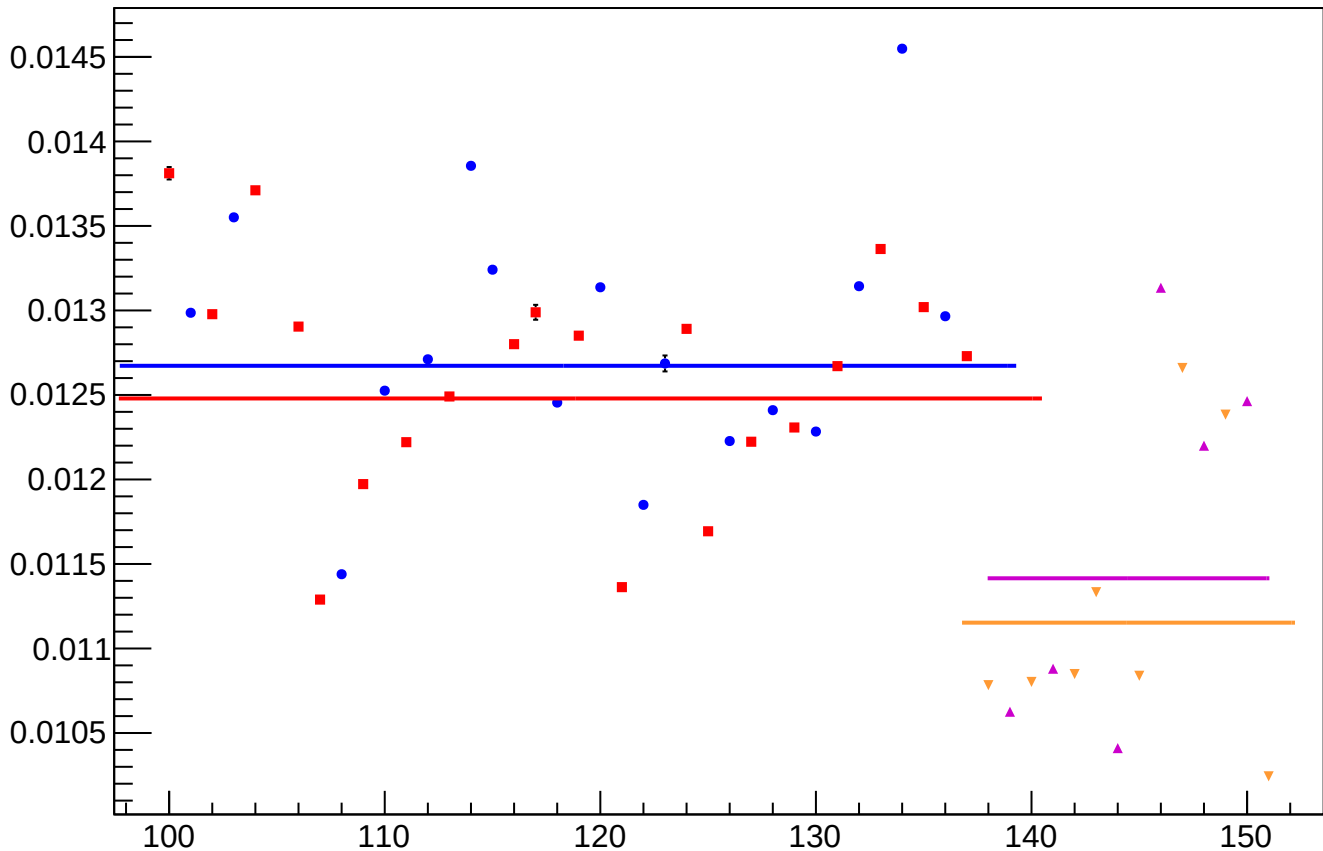
Right Out: 1.662 ± 0.000 χ^2/NDF : 5975345573.0/19

Left In: 1.725 ± 0.000 χ^2/NDF : 1077209173.9/5

1.699 ± 0.000 χ^2/NDF : 7468441863.4/24

1.690 ± 0.000 χ^2/NDF : 7130669771.6/25

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 31801.3/16

Left Out: 0.011+/-0.000 χ^2/NDF : 51391.7/7

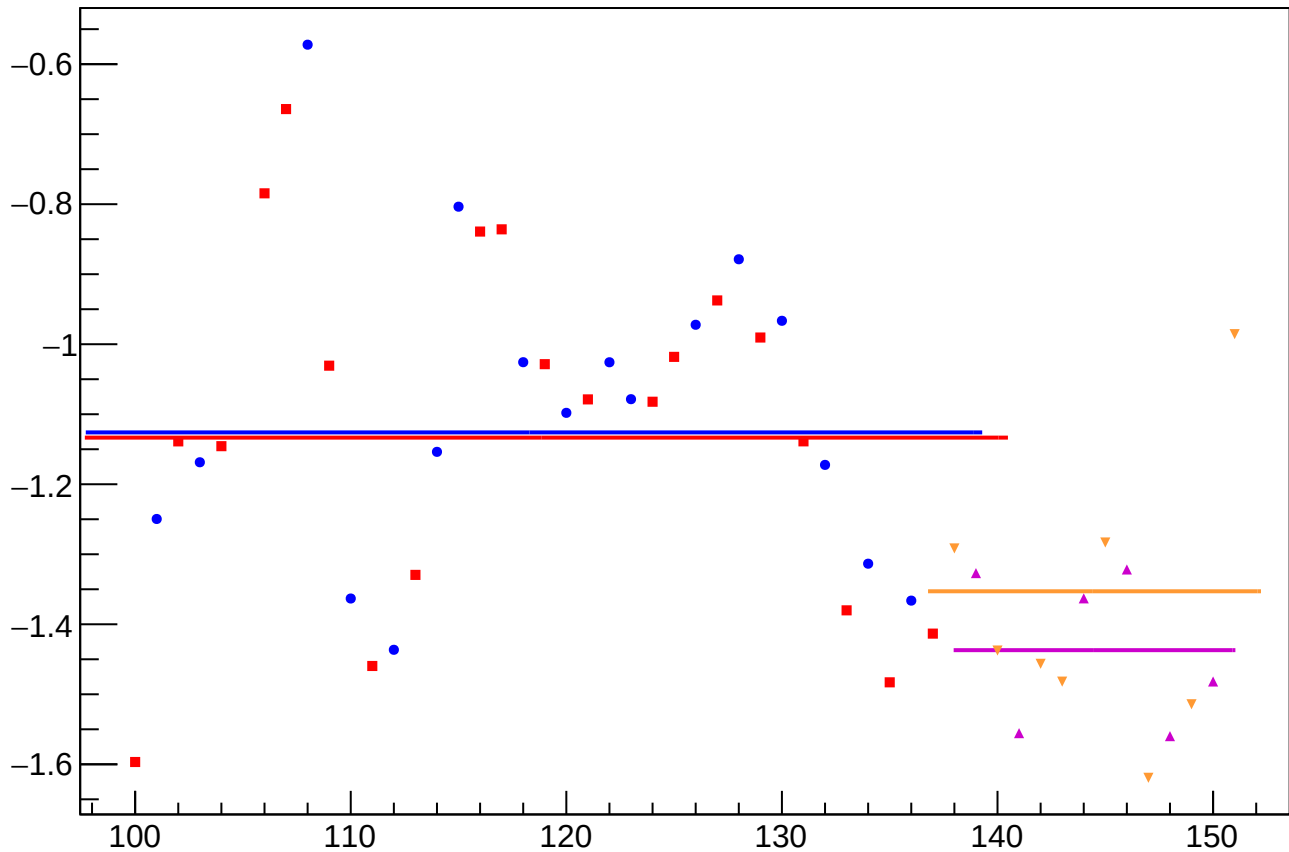
Right Out: 0.012+/-0.000 χ^2/NDF : 39268.9/19

Left In: 0.011+/-0.000 χ^2/NDF : 67932.8/5

0.012+/-0.000 χ^2/NDF : 180456.6/24

0.012+/-0.000 χ^2/NDF : 151245.9/25

yield_bpm0i02aY_mean vs Slug



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.353+/-0.000 χ^2/NDF : 2311856480.1/7

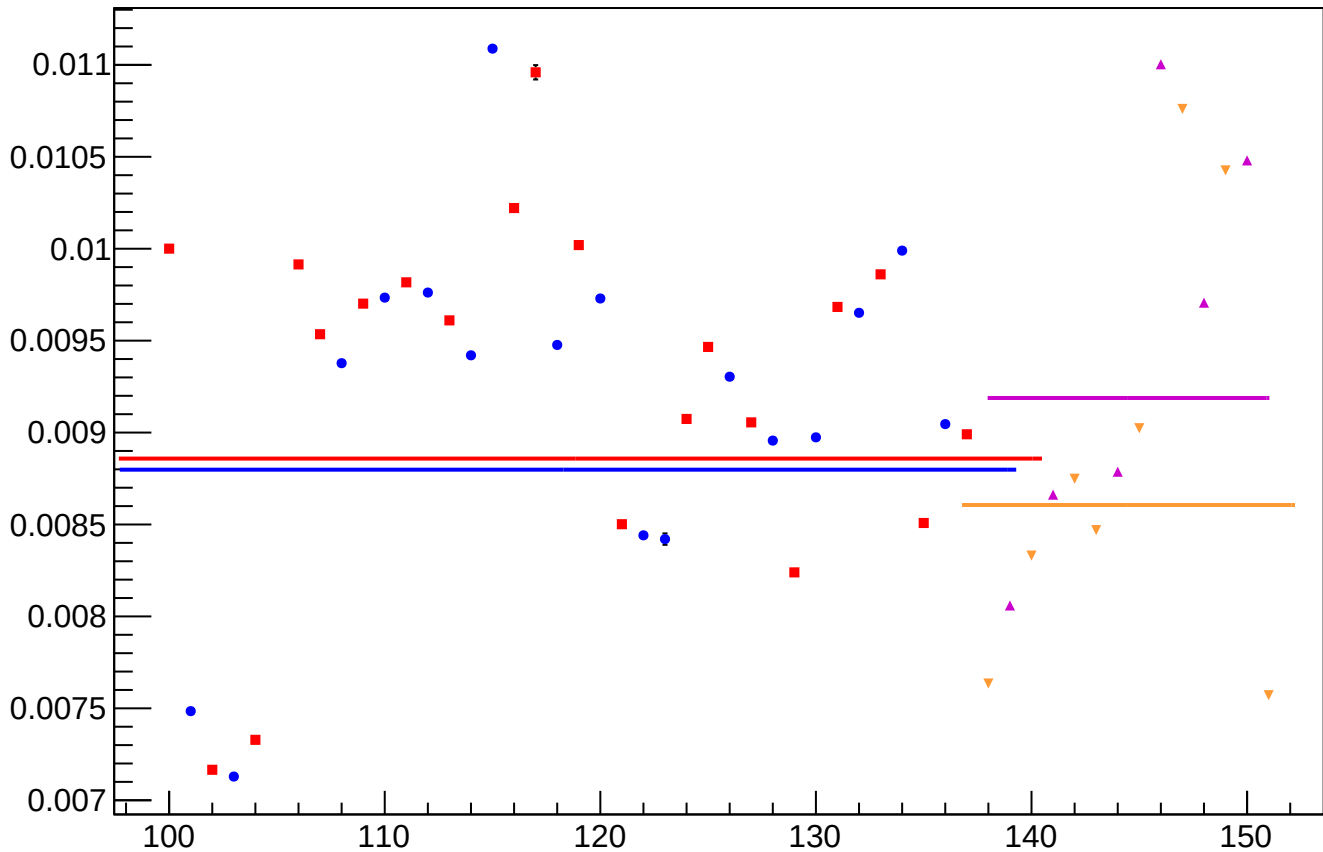
Right Out: -1.133+/-0.000 χ^2/NDF : 3706528266.7/19

Left In: -1.437+/-0.000 χ^2/NDF : 525871601.5/5

-1.228+/-0.000 χ^2/NDF : 7800600002.2/24

-1.247+/-0.000 χ^2/NDF : 7161990393.4/25

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 151586.8/16

Left Out: 0.009+/-0.000 χ^2/NDF :140738.8/7

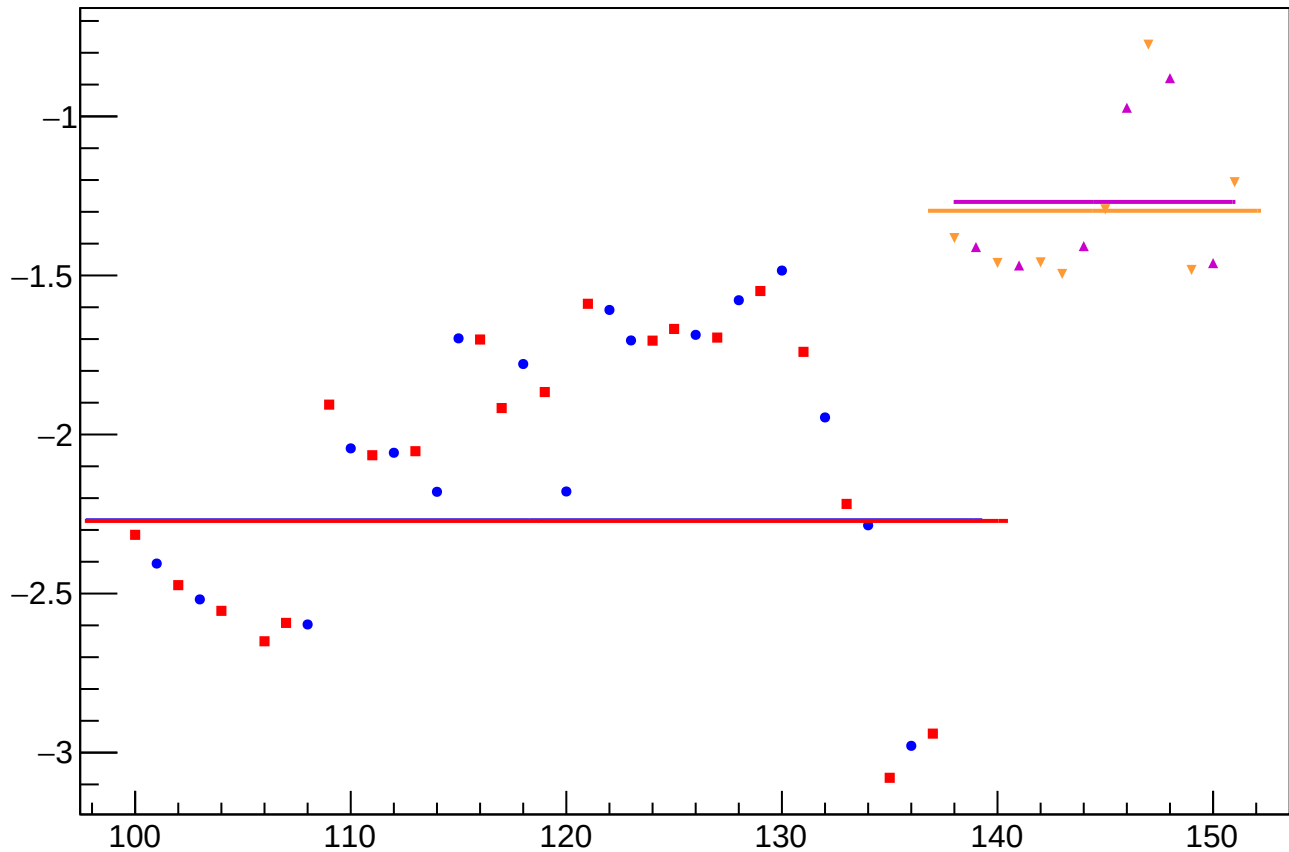
Right Out: 0.009+/-0.000 χ^2/NDF : 176858.0/19

Left In: 0.009+/-0.000 χ^2/NDF :95211.4/5

0.009+/-0.000 χ^2/NDF : 295069.7/24

0.009+/-0.000 χ^2/NDF : 278975.8/25

yield_bpm0i05X_mean vs Slug



Right In: -2.270 ± 0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.297 ± 0.000 χ^2/NDF : 5390388623.0/7

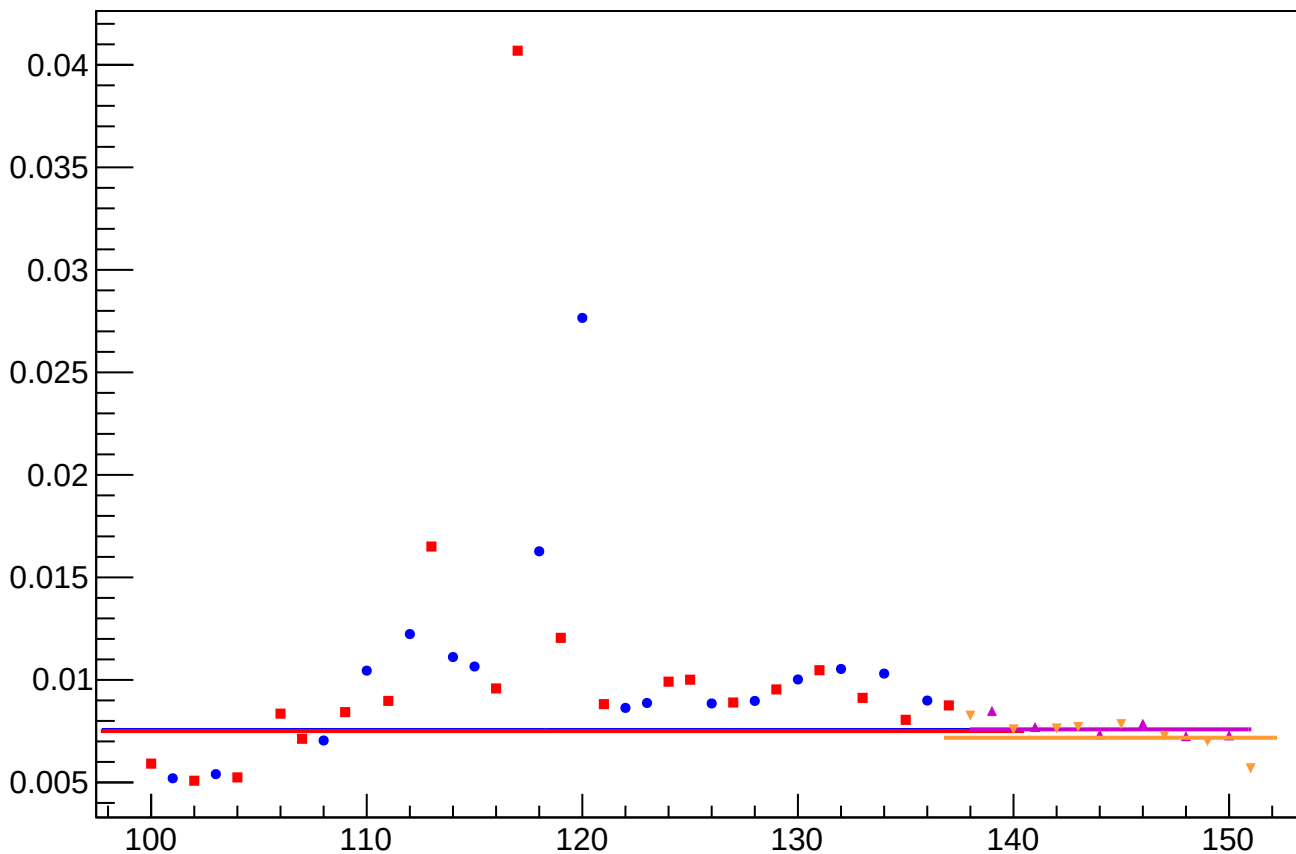
Right Out: -2.272 ± 0.000 χ^2/NDF : 19012236430.2/19

Left In: -1.269 ± 0.000 χ^2/NDF : 4763177773.9/5

-1.752 ± 0.000 χ^2/NDF : 67197248335.4/24

-1.829 ± 0.000 χ^2/NDF : 68007858212.1/25

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1221004.0/16

Left Out: 0.007+/-0.000 χ^2/NDF :136032.0/7

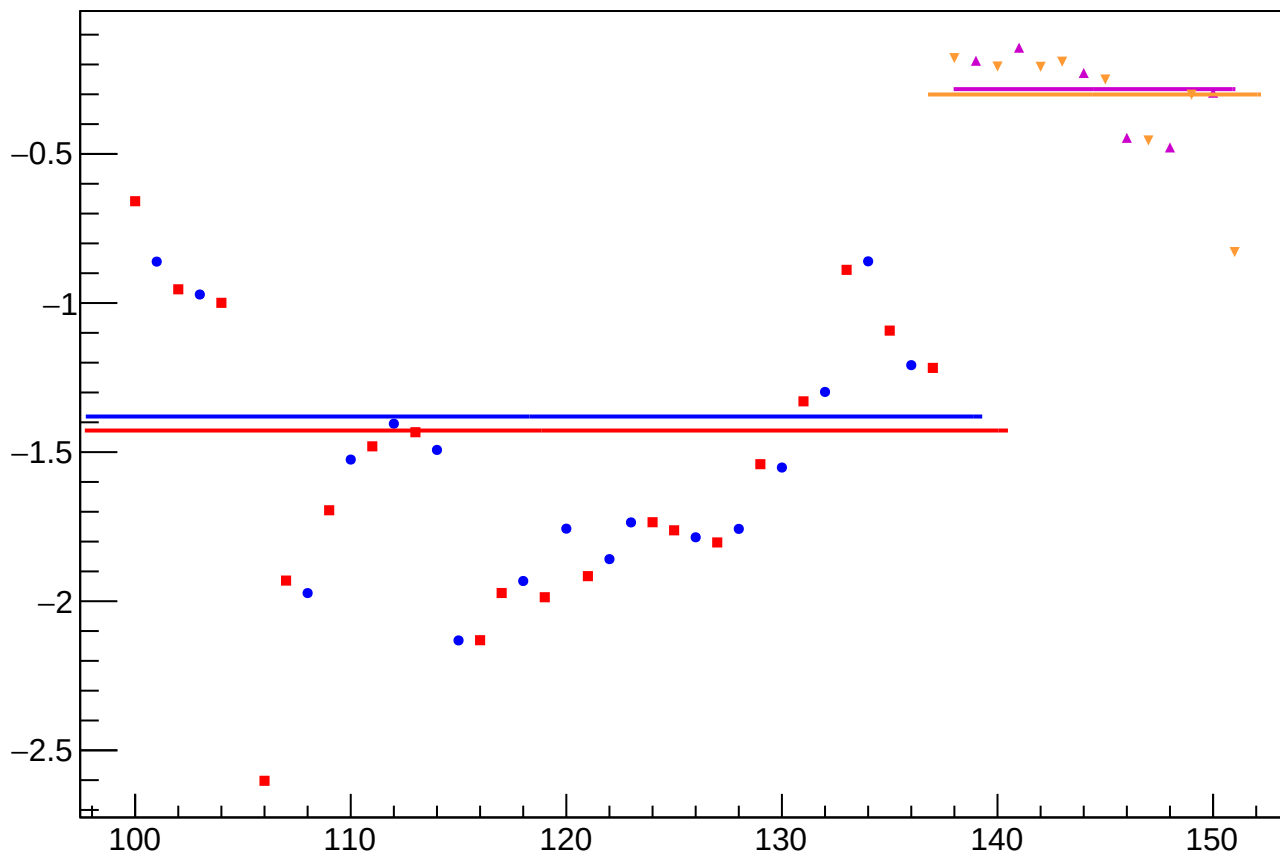
Right Out: 0.008+/-0.000 χ^2/NDF : 984811.6/19

Left In: 0.008+/-0.000 χ^2/NDF :23949.8/5

0.007+/-0.000 χ^2/NDF : 1370454.6/24

0.008+/-0.000 χ^2/NDF : 1009355.3/25

yield_bpm0i05Y_mean vs Slug



Right In: -1.381 ± 0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.301 ± 0.000 χ^2/NDF : 9141638706.2/7

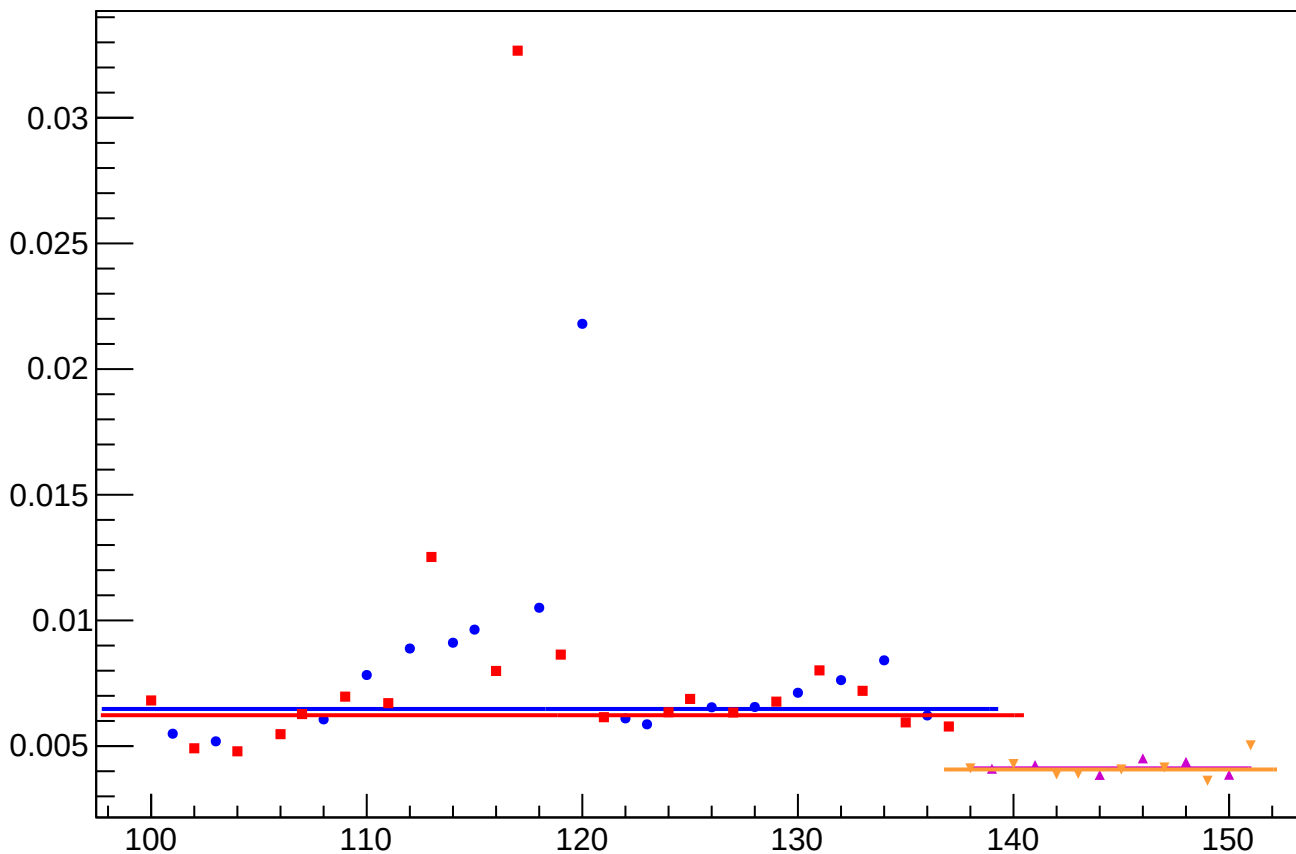
Right Out: -1.428 ± 0.000 χ^2/NDF : 29626603581.6/19

Left In: -0.283 ± 0.000 χ^2/NDF : 3557997965.9/5

-0.625 ± 0.000 χ^2/NDF : 135020625761.6/24

-0.710 ± 0.000 χ^2/NDF : 157961566213.9/25

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 : 72434.9/7

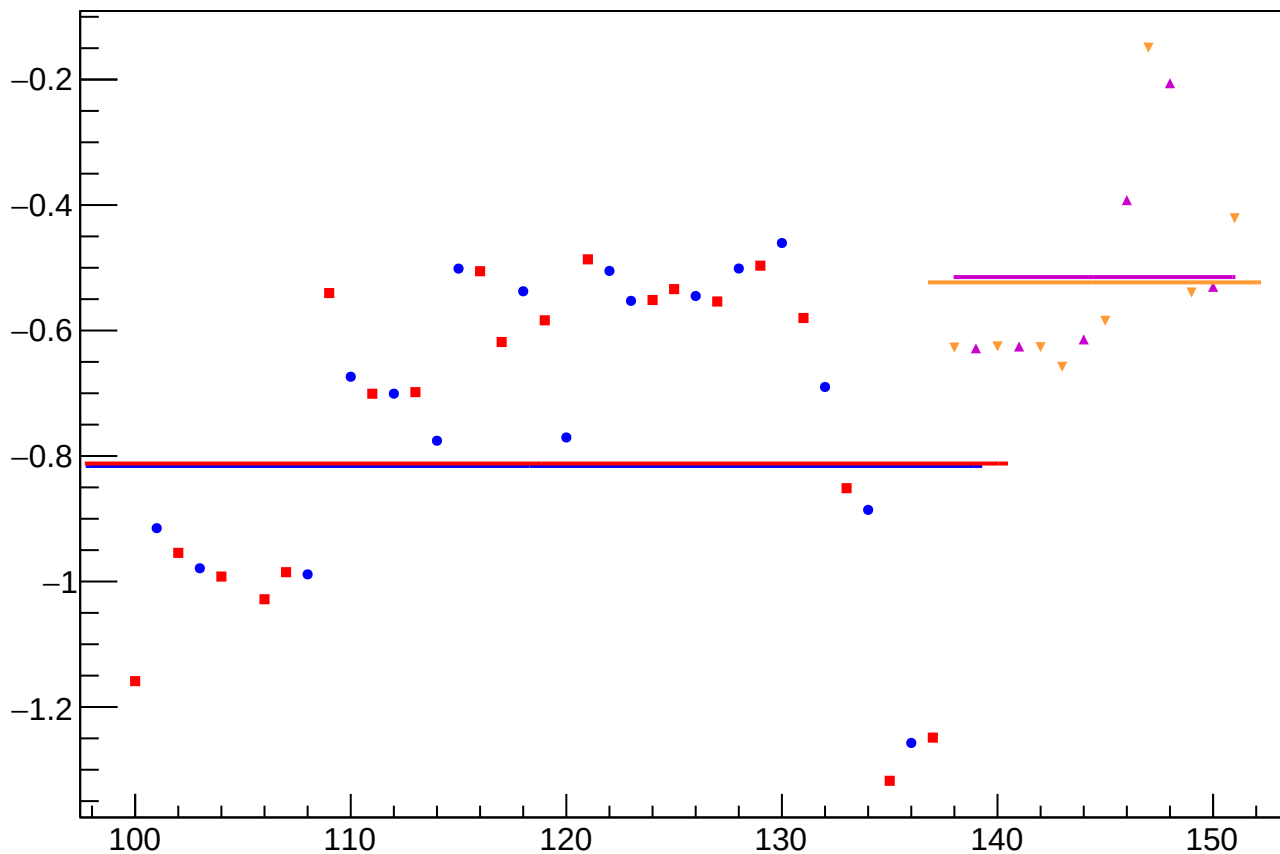
Right Out: 0.006+/-0.000 χ^2/NDF : 472534.6/19

Left In: 0.004+/-0.000 χ^2/NDF : 30354.2/5

0.005+/-0.000 χ^2/NDF : 1697867.8/24

0.005+/-0.000 χ^2/NDF : 1352994.2/25

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.523+/-0.000 χ^2/NDF : 4356940943.9/7

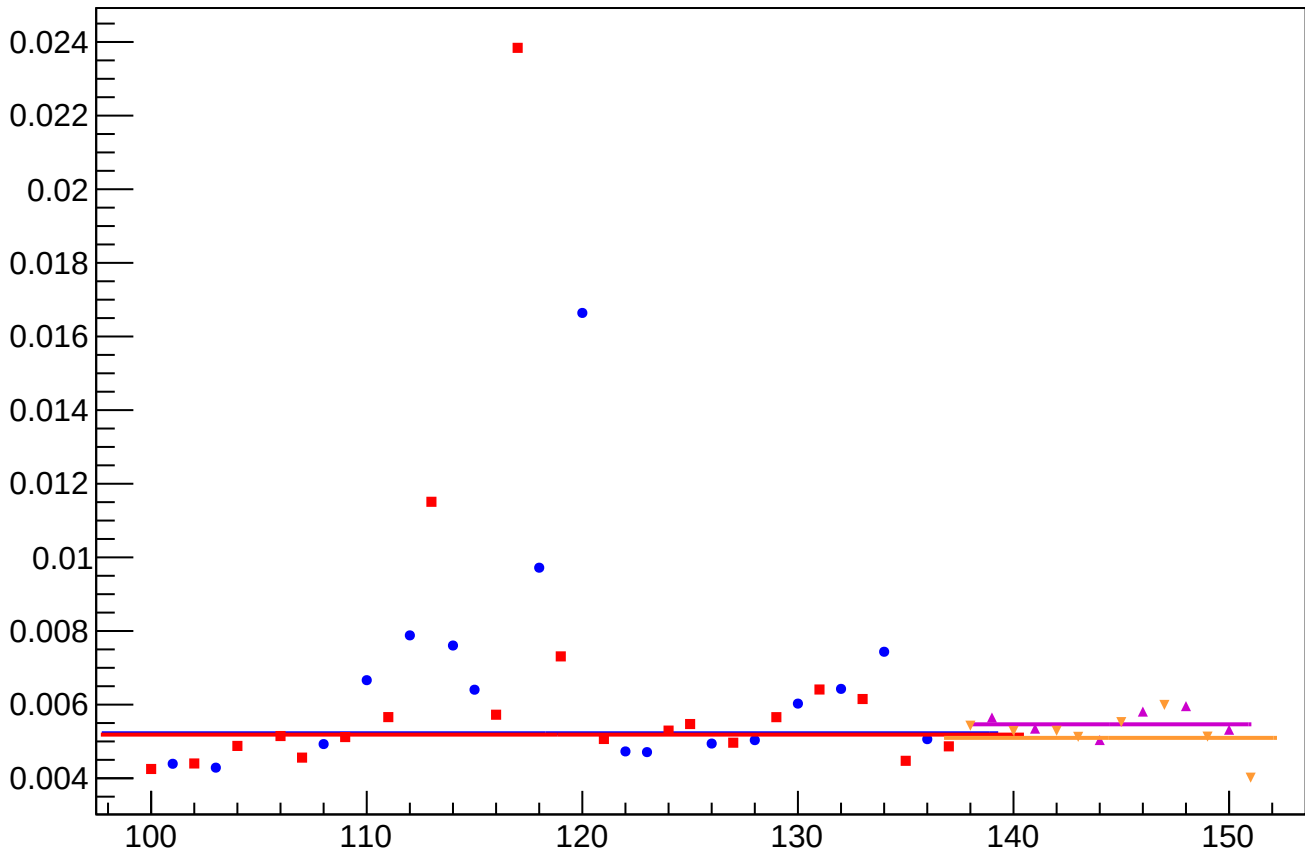
Right Out: -0.812+/-0.000 χ^2/NDF : 16818378599.3/19

Left In: -0.515+/-0.000 χ^2/NDF : 3230304315.7/5

-0.669+/-0.000 χ^2/NDF : 26937453481.0/24

-0.692+/-0.000 χ^2/NDF : 27953839277.6/25

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 :142342.9/7

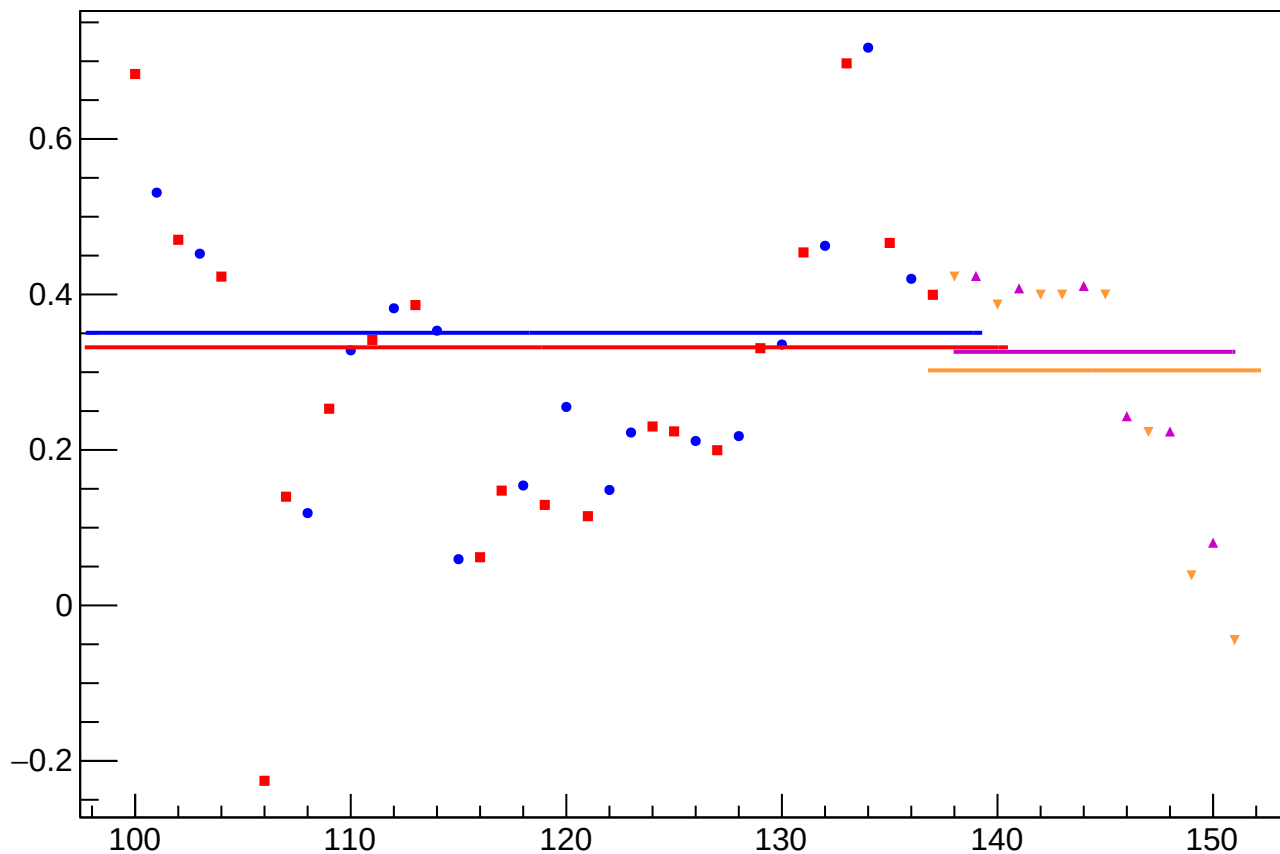
Right Out: 0.005+/-0.000 χ^2/NDF : 410640.5/19

Left In: 0.005+/-0.000 χ^2/NDF :30231.4/5

0.005+/-0.000 χ^2/NDF : 809789.1/24

0.005+/-0.000 χ^2/NDF : 454893.3/25

yield_bpm0i07Y_mean vs Slug



Right In: 0.351 ± 0.000 χ^2/NDF : 7410859446.3/16

Left Out: 0.302 ± 0.000 χ^2/NDF : 9769028006.1/7

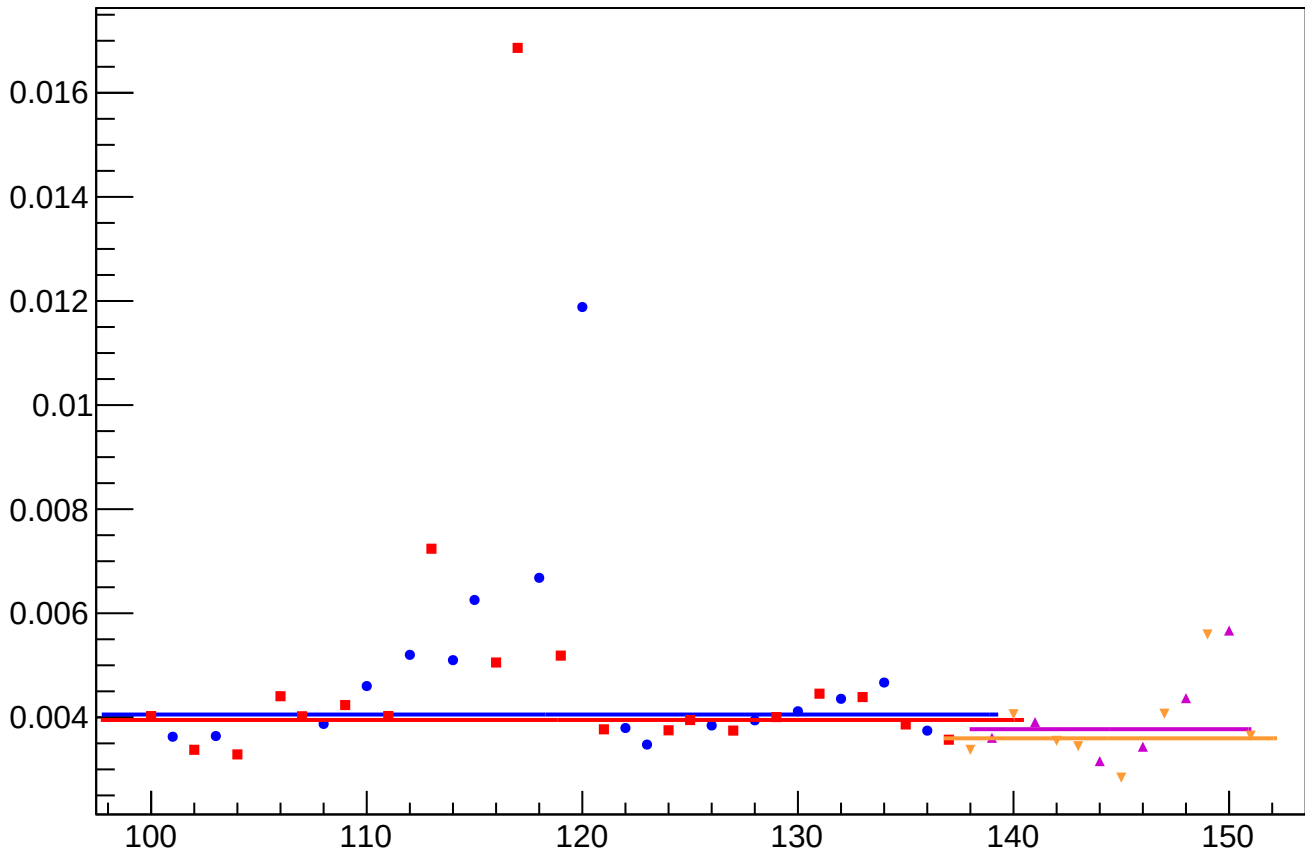
Right Out: 0.332 ± 0.000 χ^2/NDF : 11800695210.2/19

Left In: 0.326 ± 0.000 χ^2/NDF : 3421784839.5/5

0.326 ± 0.000 χ^2/NDF : 17589418776.1/24

0.330 ± 0.000 χ^2/NDF : 15228015923.2/25

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 455318.3/16

Left Out: 0.004+/-0.000 χ^2/NDF : 310836.2/7

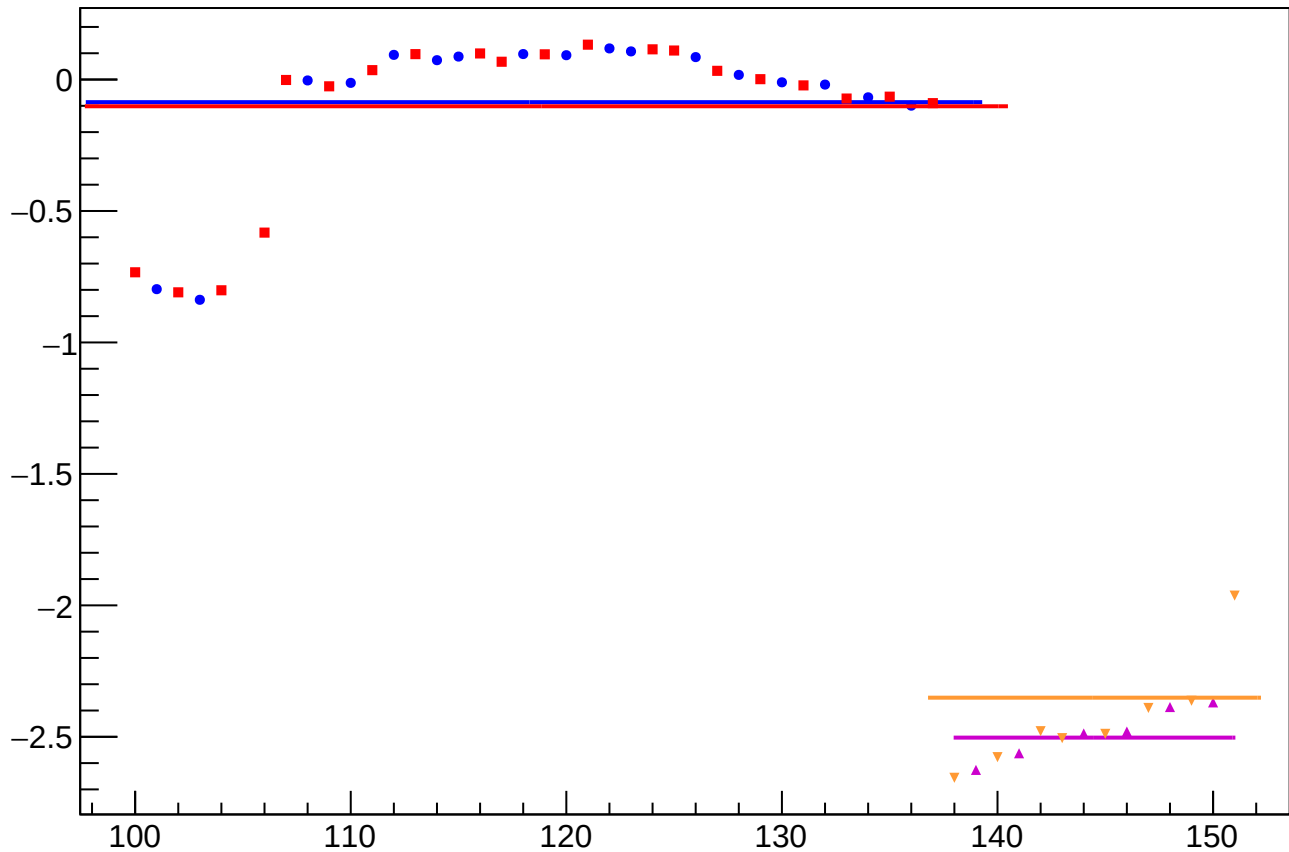
Right Out: 0.004+/-0.000 χ^2/NDF : 304954.7/19

Left In: 0.004+/-0.000 χ^2/NDF : 267240.7/5

0.004+/-0.000 χ^2/NDF : 839332.6/24

0.004+/-0.000 χ^2/NDF : 582478.3/25

yield_bpm1i02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.351+/-0.000 χ^2/NDF : 2237170534.8/7

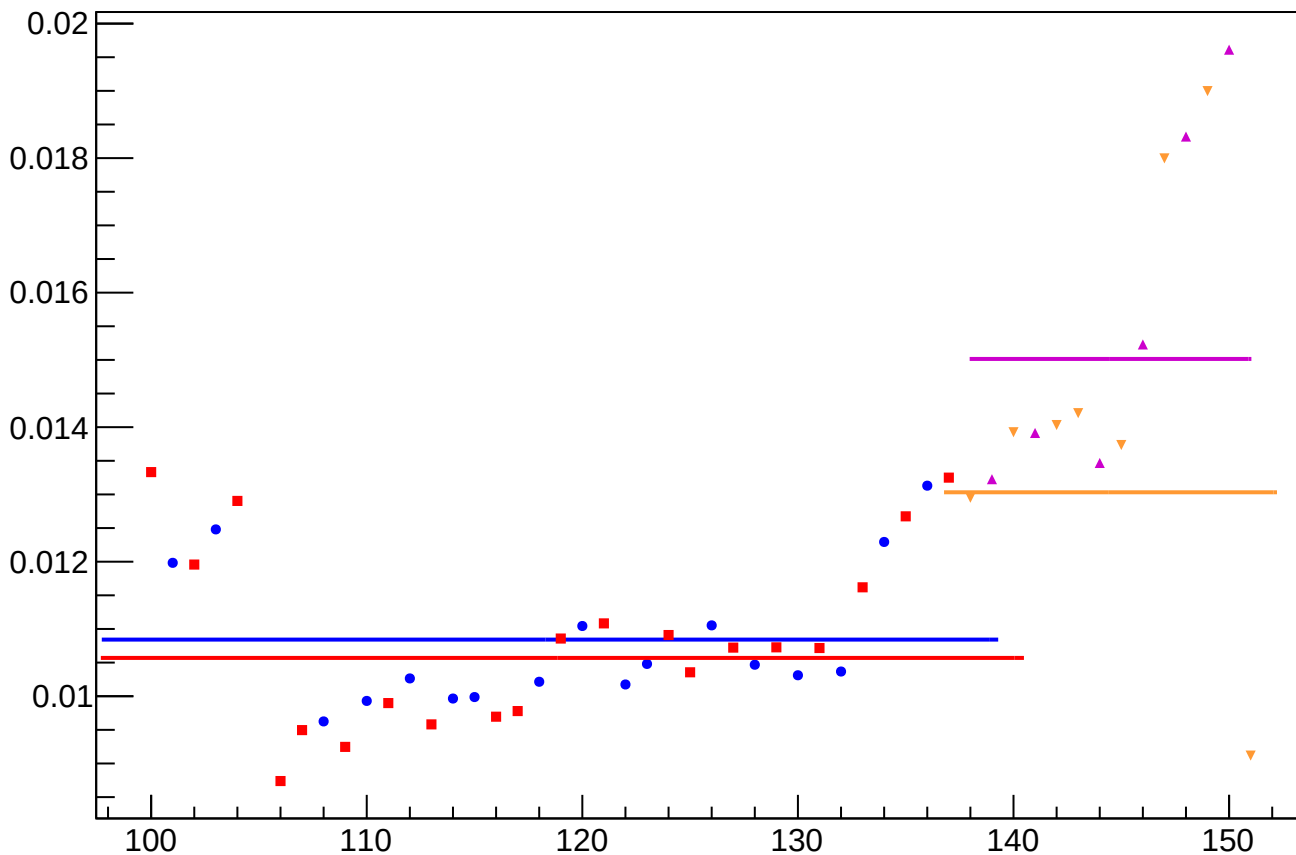
Right Out: -0.102+/-0.000 χ^2/NDF : 5566142794.2/19

Left In: -2.503+/-0.000 χ^2/NDF : 149502329.4/5

-0.906+/-0.000 χ^2/NDF : 112048105782.3/24

-0.702+/-0.000 χ^2/NDF : 96706269823.8/25

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.013+/-0.000 χ^2/NDF : 591250.3/7

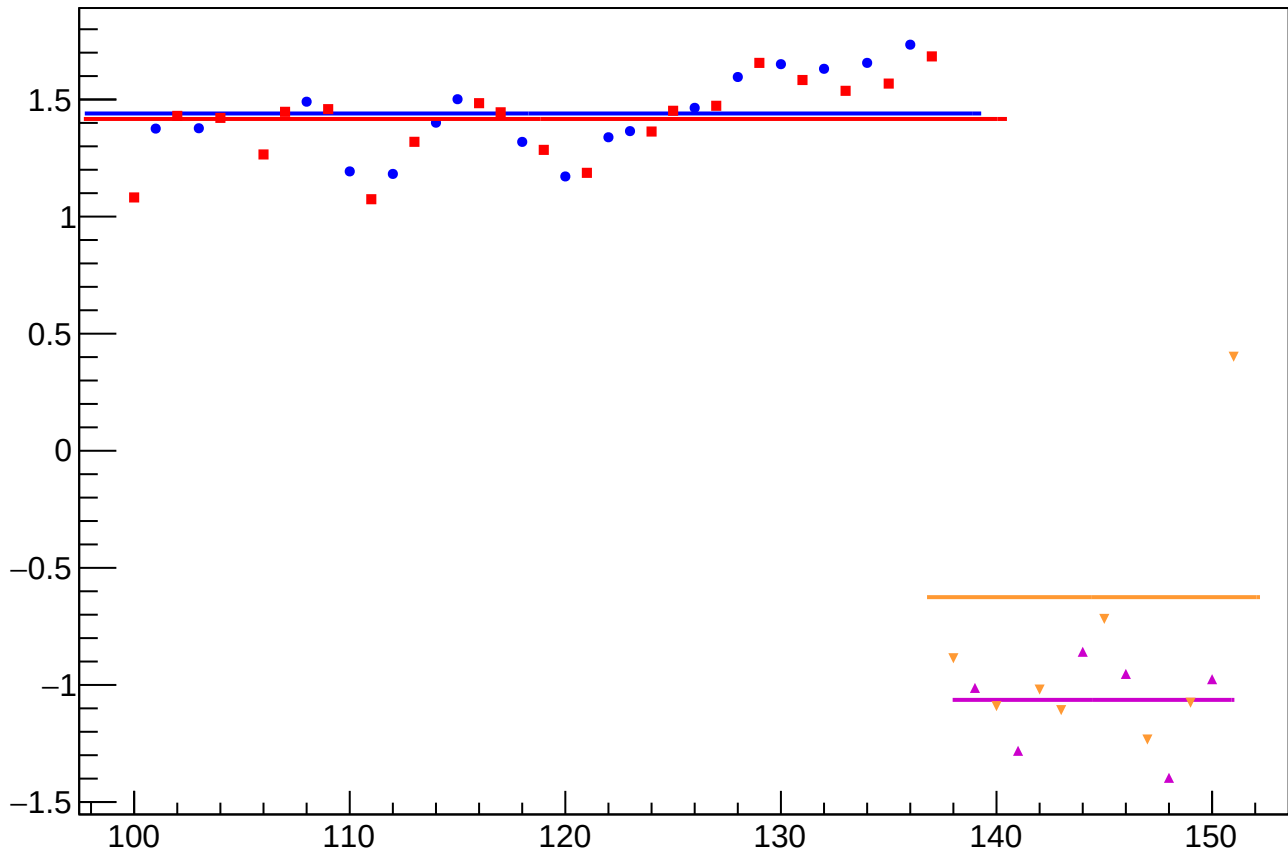
Right Out: 0.011+/-0.000 χ^2/NDF : 179537.7/19

Left In: 0.015+/-0.000 χ^2/NDF : 205133.0/5

0.012+/-0.000 χ^2/NDF : 911486.4/24

0.012+/-0.000 χ^2/NDF : 1008160.3/25

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.625 $\pm$ 0.000 χ^2 /NDF: 23297255127.7/7

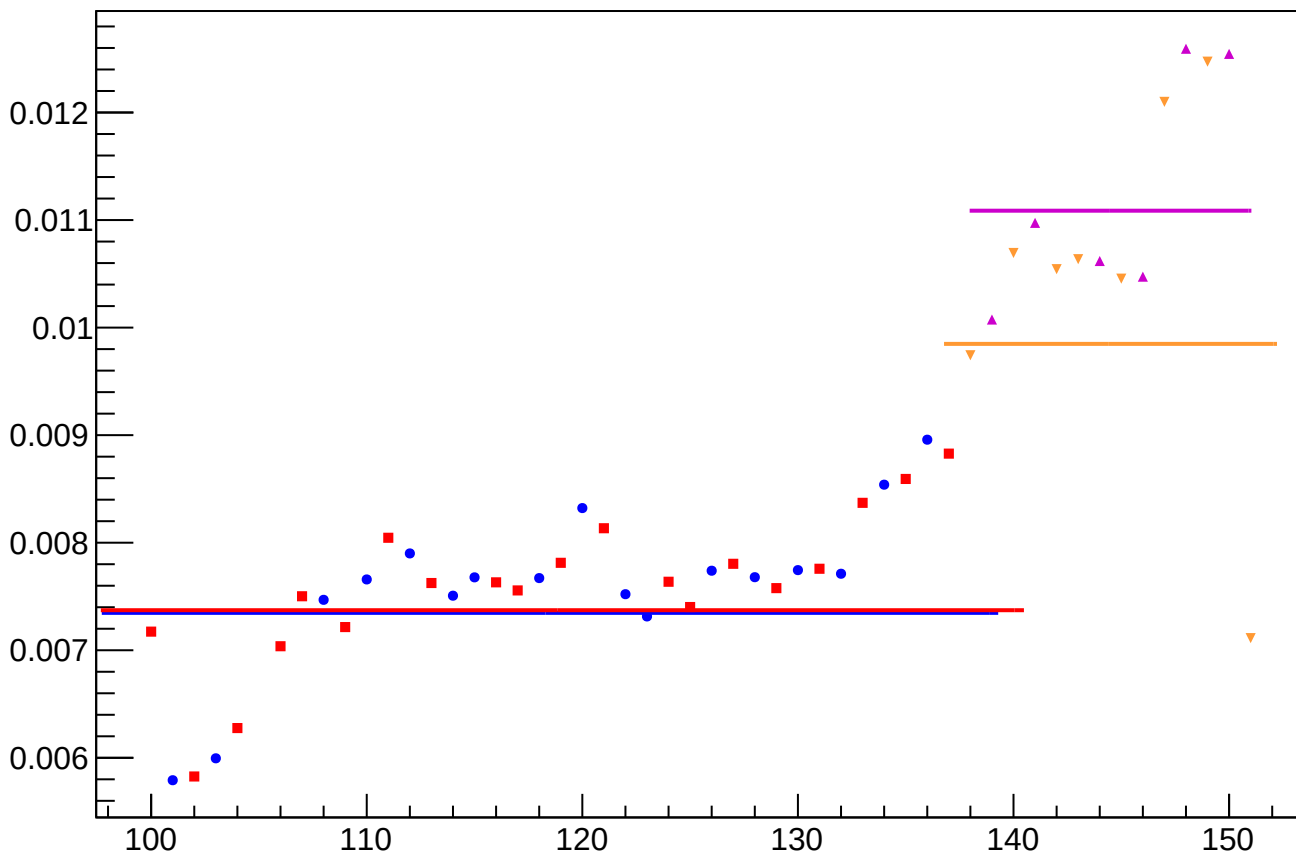
Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674679406.4/19

Left In: -1.064 $\pm$ 0.000 χ^2 /NDF: 1361889224.8/5

0.781 $\pm$ 0.000 χ^2 /NDF: 192995272399.6/24

0.842 $\pm$ 0.000 χ^2 /NDF: 189226341359.1/25

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 228163.6/16

Left Out: 0.010+/-0.000 χ^2/NDF : 381670.9/7

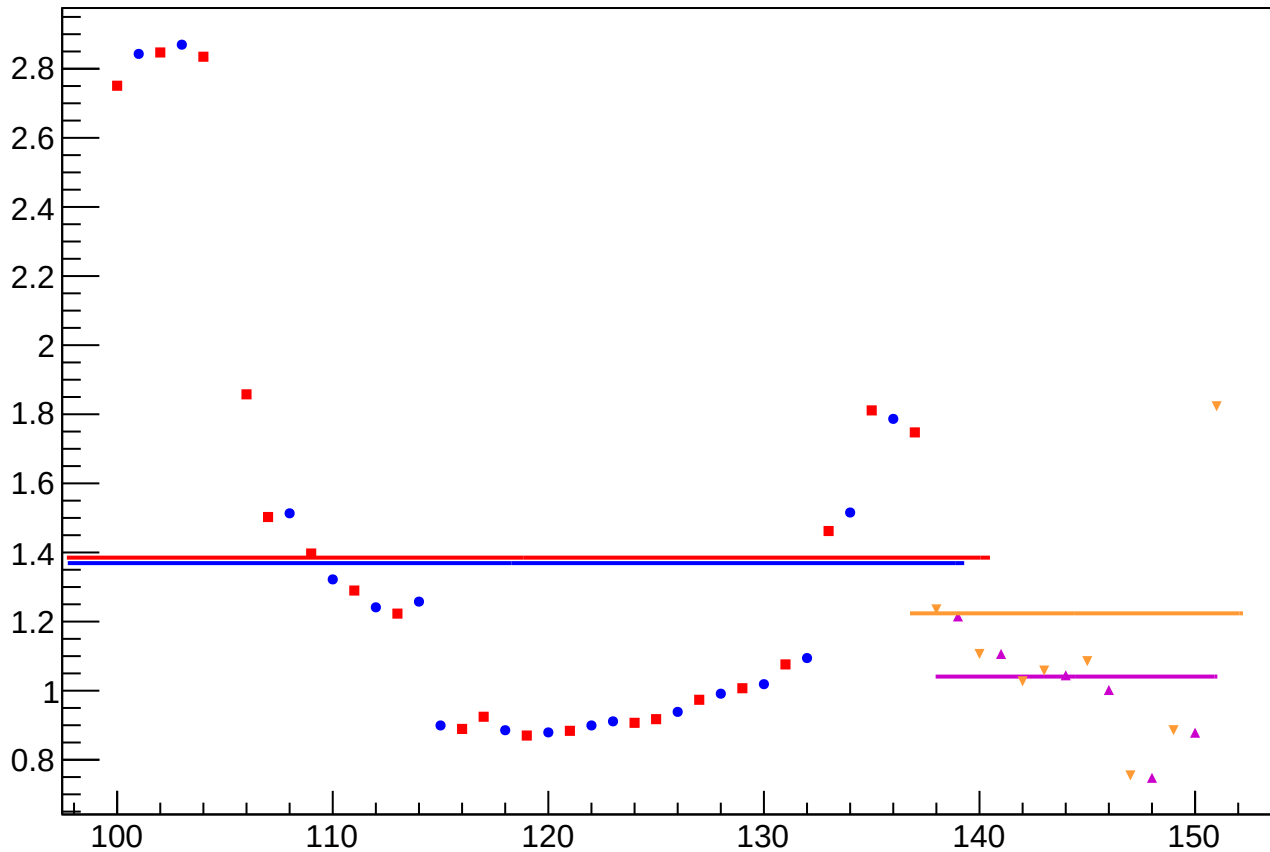
Right Out: 0.007+/-0.000 χ^2/NDF : 172741.0/19

Left In: 0.011+/-0.000 χ^2/NDF : 69022.1/5

0.008+/-0.000 χ^2/NDF : 1097318.2/24

0.008+/-0.000 χ^2/NDF : 1072329.1/25

yield_bpm1i04X_mean vs Slug



Right In: 1.369+/-0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.224+/-0.000 χ^2/NDF : 7925861442.2/7

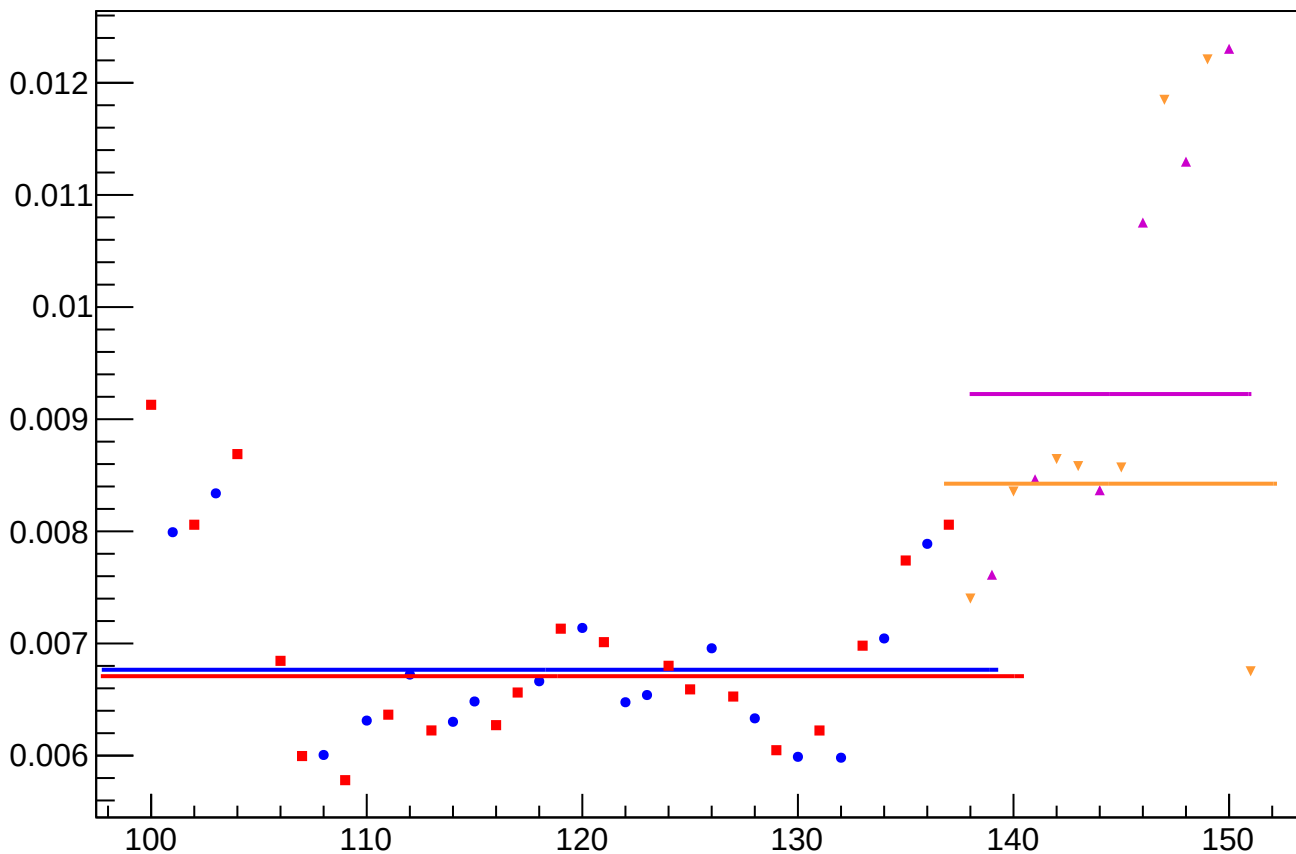
1.320+/-0.000 χ^2/NDF : 63163519717.6/24

Right Out: 1.385+/-0.000 χ^2/NDF : 50114562617.6/19

1.298+/-0.000 χ^2/NDF : 55843478747.1/25

Left In: 1.041+/-0.000 χ^2/NDF : 1063244071.6/5

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 : 372088.6/7

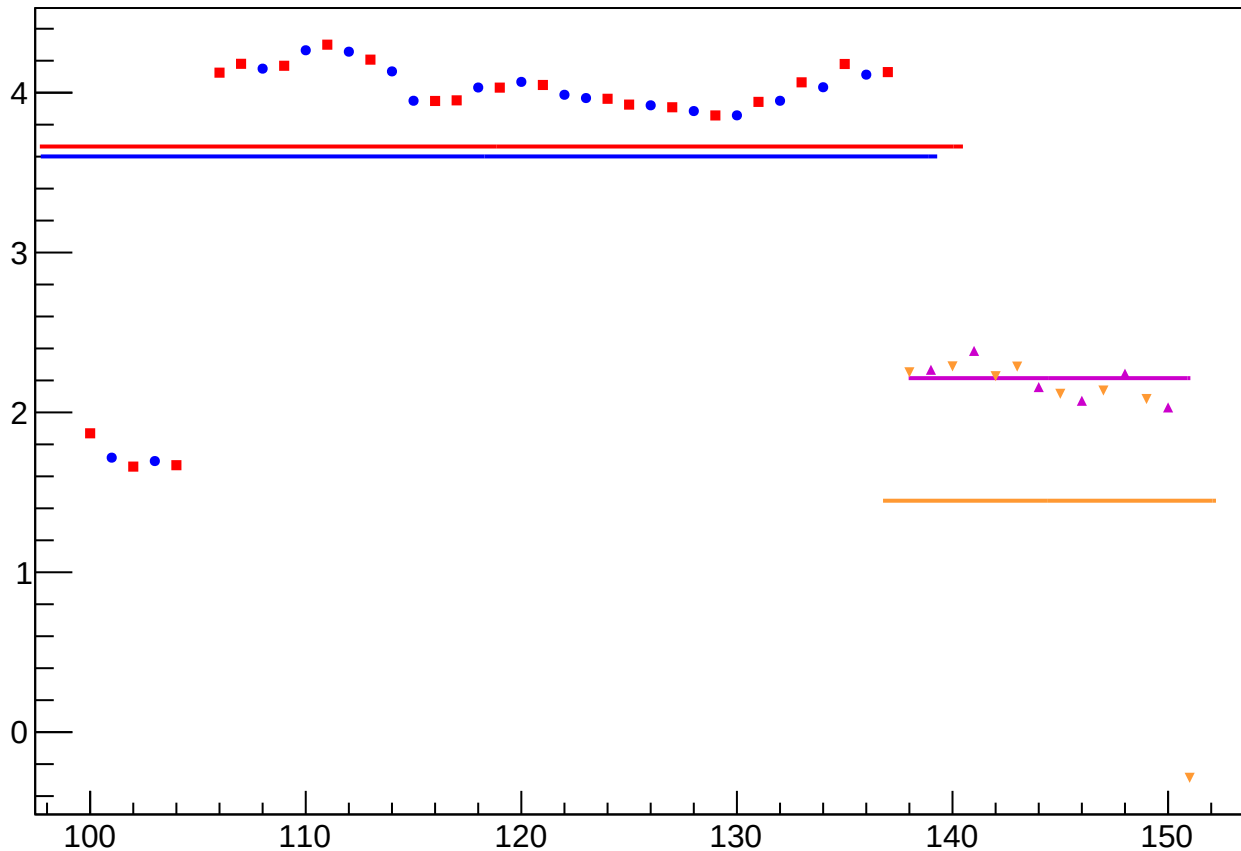
Right Out: 0.007+/-0.000 χ^2/NDF : 187869.7/19

Left In: 0.009+/-0.000 χ^2/NDF : 271588.6/5

0.007+/-0.000 χ^2/NDF : 800636.8/24

0.007+/-0.000 χ^2/NDF : 957997.8/25

yield_bpm1i04Y_mean vs Slug



Right In: 3.601 $\pm$ 0.000 χ^2 /NDF: 185806937655.3/16

Left Out: 1.448 $\pm$ 0.000 χ^2 /NDF: 144292981027.8/7

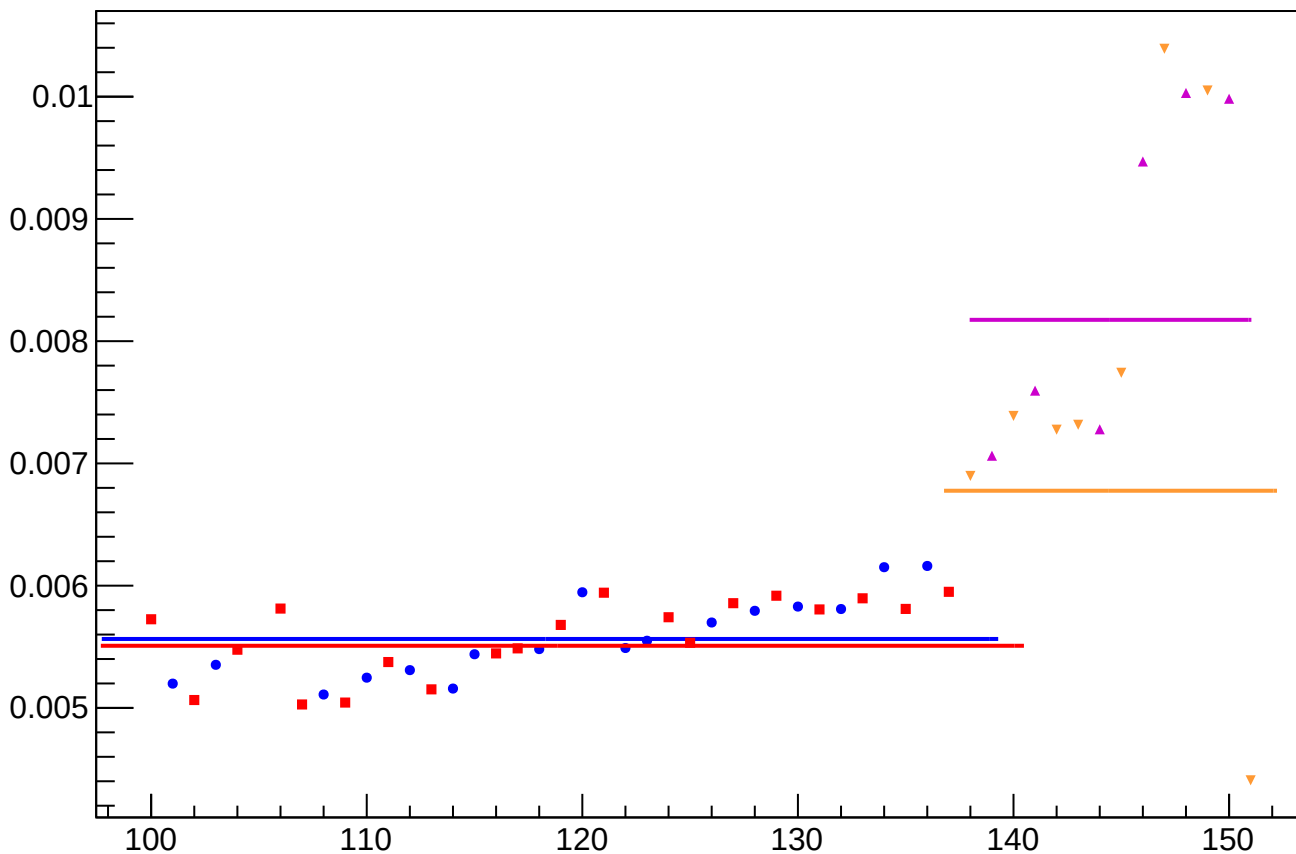
Right Out: 3.663 $\pm$ 0.000 χ^2 /NDF: 192640409625.9/19

Left In: 2.214 $\pm$ 0.000 χ^2 /NDF: 931507569.8/5

2.882 $\pm$ 0.000 χ^2 /NDF: 664285309623.2/24

3.339 $\pm$ 0.000 χ^2 /NDF: 302051593533.8/25

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 : 734134.2/7

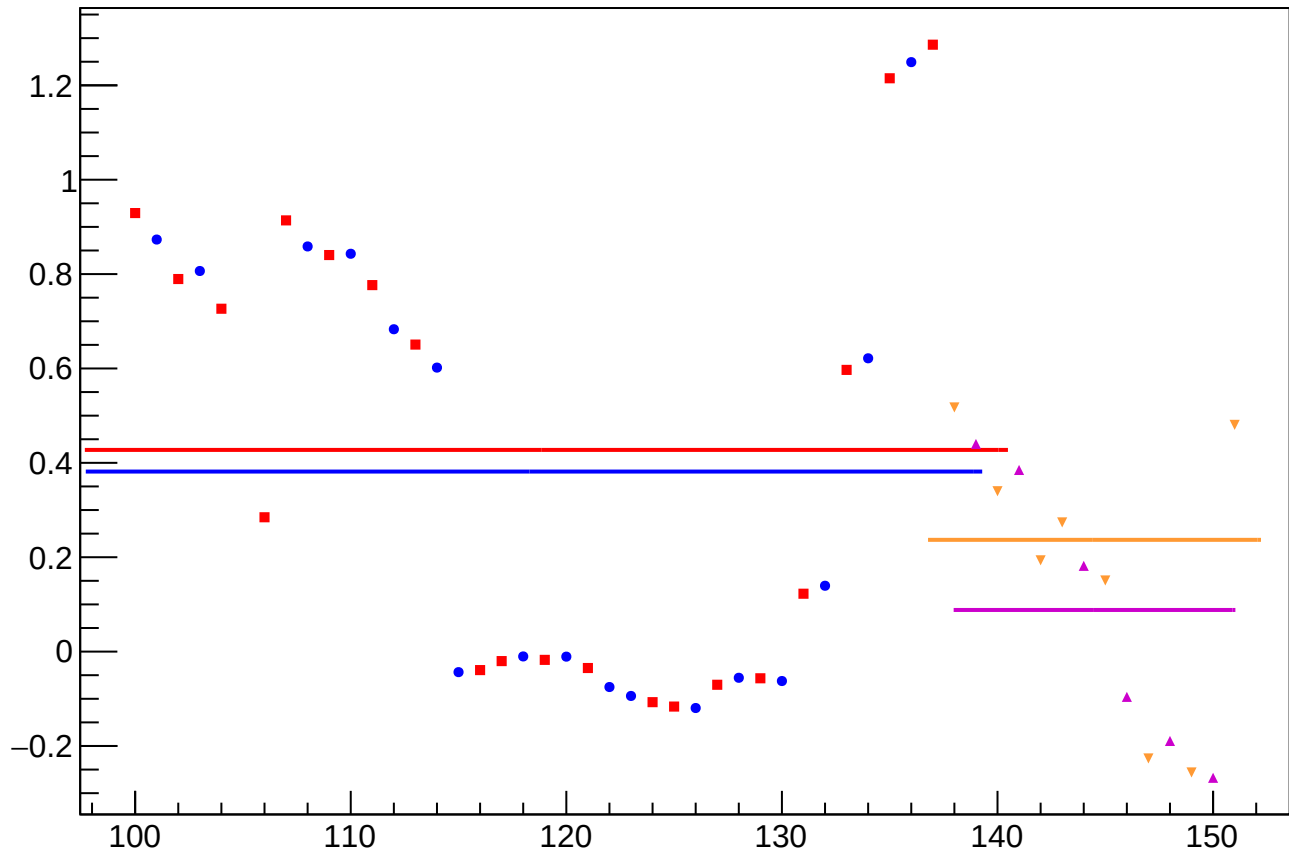
Right Out: 0.006+/-0.000 χ^2/NDF : 52636.1/19

Left In: 0.008+/-0.000 χ^2/NDF : 195657.1/5

0.006+/-0.000 χ^2/NDF : 993602.2/24

0.006+/-0.000 χ^2/NDF : 982943.9/25

yield_bpm1i06X_mean vs Slug



Right In: 0.382+/-0.000 χ^2/NDF : 7124759123.1/16

Left Out: 0.237+/-0.000 χ^2/NDF :1870393640.1/7

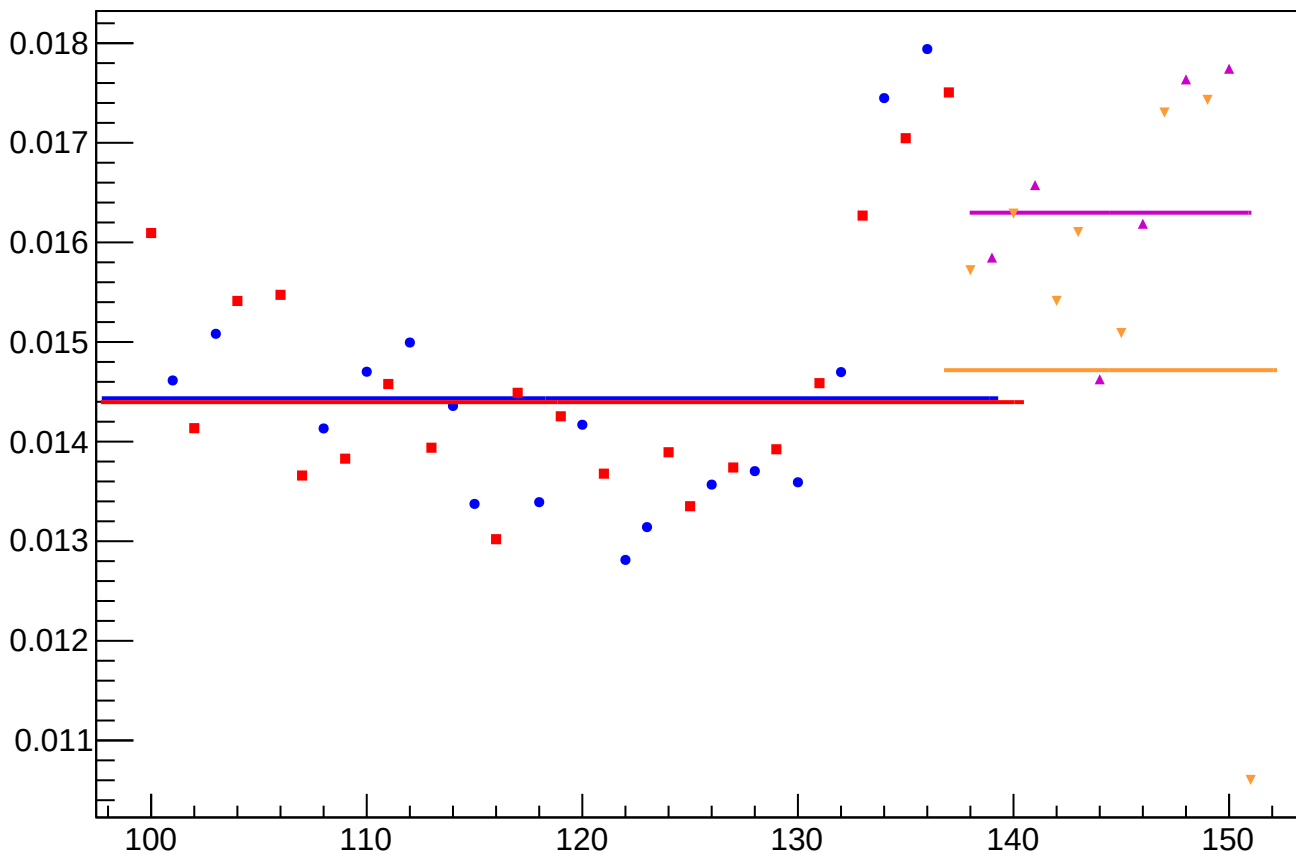
Right Out: 0.427+/-0.000 χ^2/NDF : 6716521382.4/19

Left In: 0.088+/-0.000 χ^2/NDF :1278803256.8/5

0.317+/-0.000 χ^2/NDF : 9290334485.5/24

0.309+/-0.000 χ^2/NDF : 9345032209.1/25

yield_bpm1i06X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 110224.4/16

Left Out: 0.015+/-0.000 χ^2/NDF : 330435.0/7

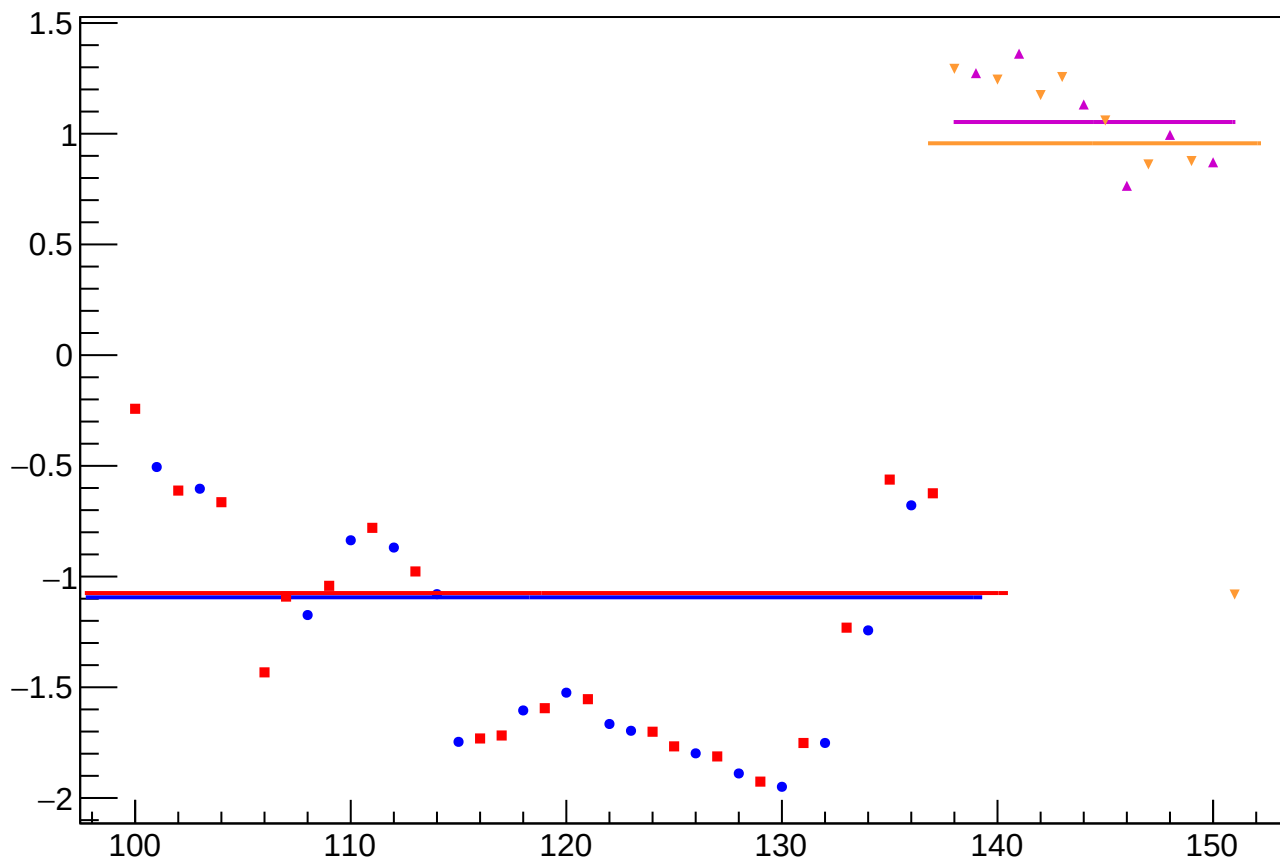
Right Out: 0.014+/-0.000 χ^2/NDF : 74535.1/19

Left In: 0.016+/-0.000 χ^2/NDF : 44301.9/5

0.015+/-0.000 χ^2/NDF : 442907.2/24

0.015+/-0.000 χ^2/NDF : 203743.7/25

yield_bpm1i06Y_mean vs Slug



Right In: -1.094+/-0.000 χ^2/NDF : 55960104370.4/16

Left Out: 0.957+/-0.000 χ^2/NDF : 107533071036.6/7

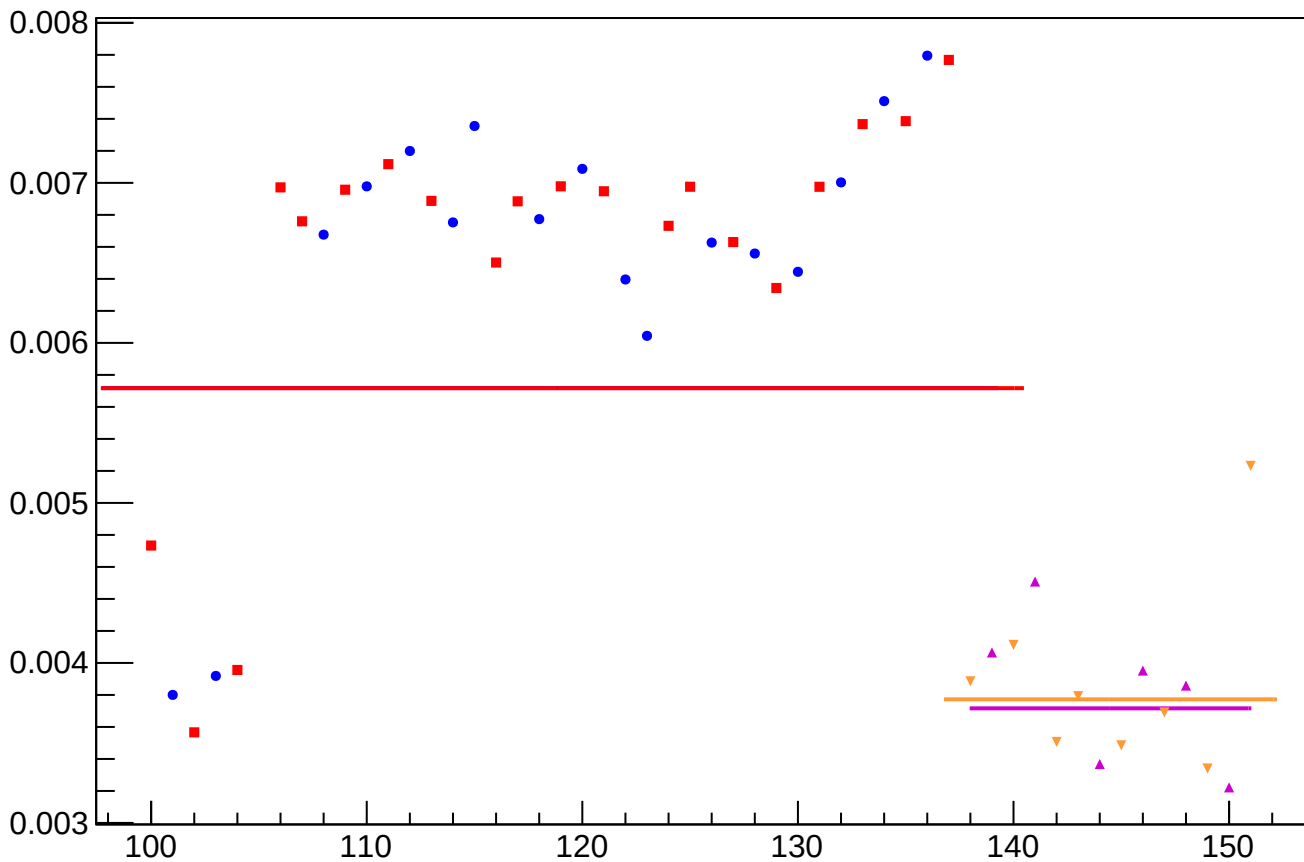
Right Out: -1.074+/-0.000 χ^2/NDF : 47208439320.8/19

Left In: 1.053+/-0.000 χ^2/NDF : 11694290208.0/5

0.255+/-0.000 χ^2/NDF : 665695138186.8/24

0.234+/-0.000 χ^2/NDF : 586739810653.7/25

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 837775.0/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:142419.3/7

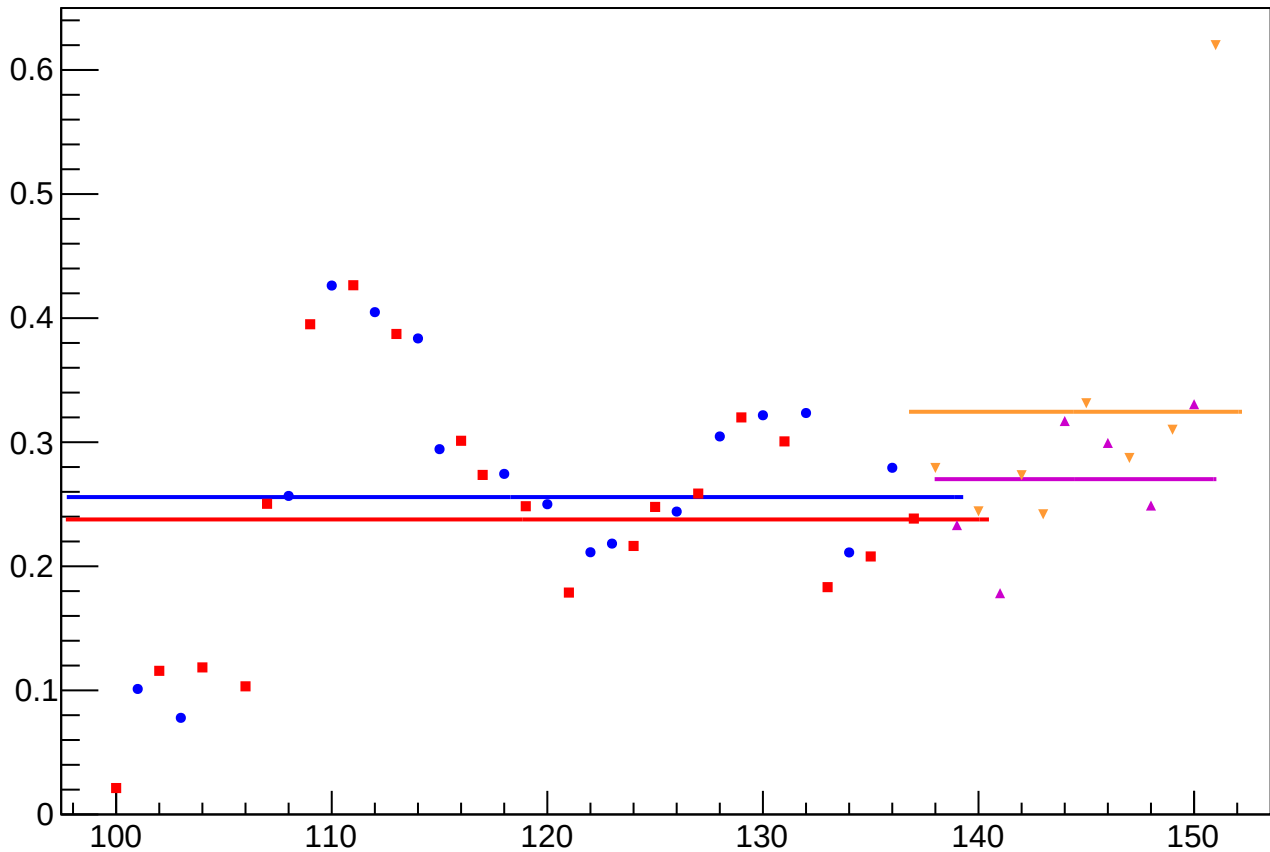
Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 925957.4/19

Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:116605.2/5

0.004 $\pm$ 0.000 χ^2 /NDF: 1883994.8/24

0.004 $\pm$ 0.000 χ^2 /NDF: 1976519.7/25

yield_bpm2i01X_mean vs Slug



Right In: 0.256 ± 0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.325 ± 0.000 χ^2/NDF : 27233476444.1/7

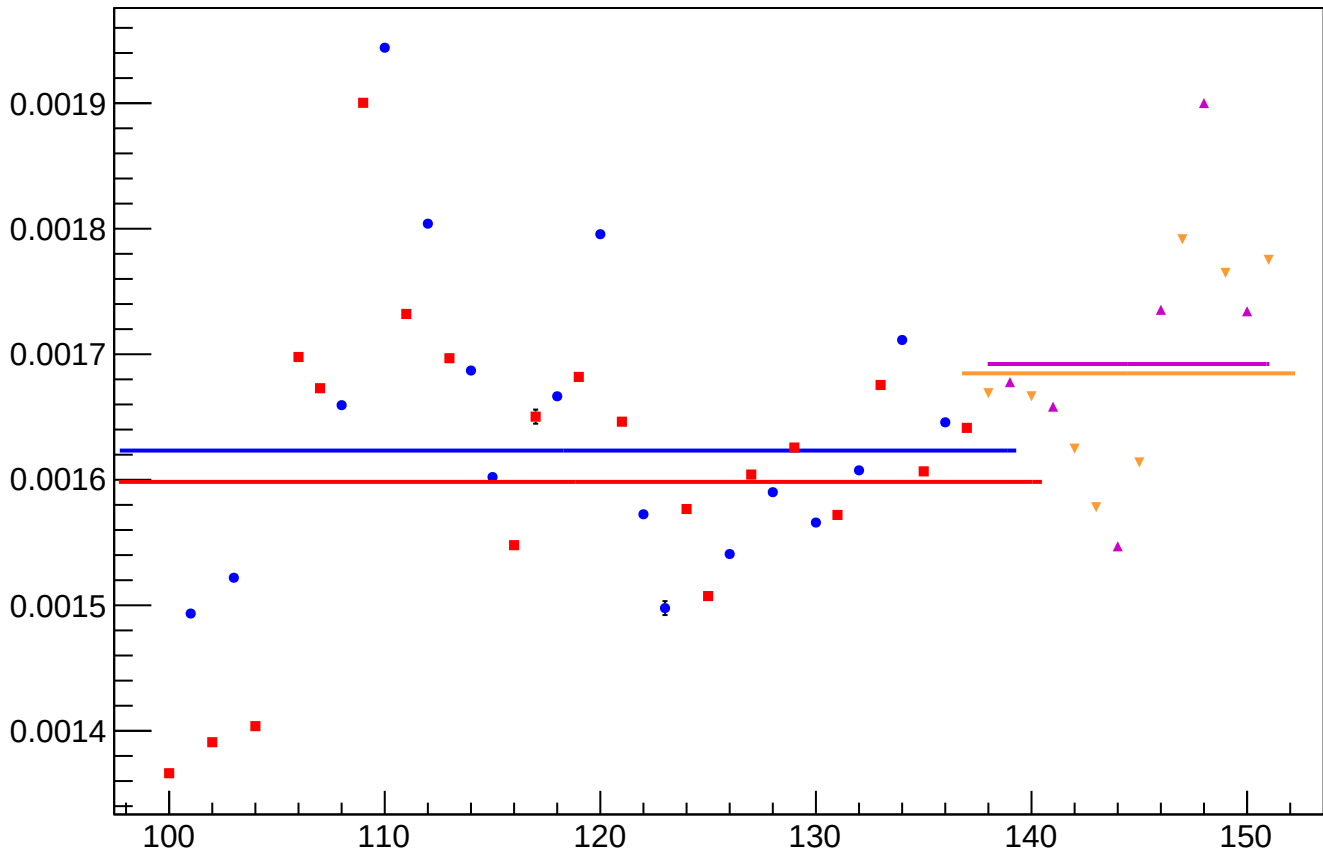
0.287 ± 0.000 χ^2/NDF : 53811483782.6/24

Right Out: 0.238 ± 0.000 χ^2/NDF : 26077768189.7/19

0.250 ± 0.000 χ^2/NDF : 32186104014.1/25

Left In: 0.270 ± 0.000 χ^2/NDF : 5021246123.7/5

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 :23215.0/7

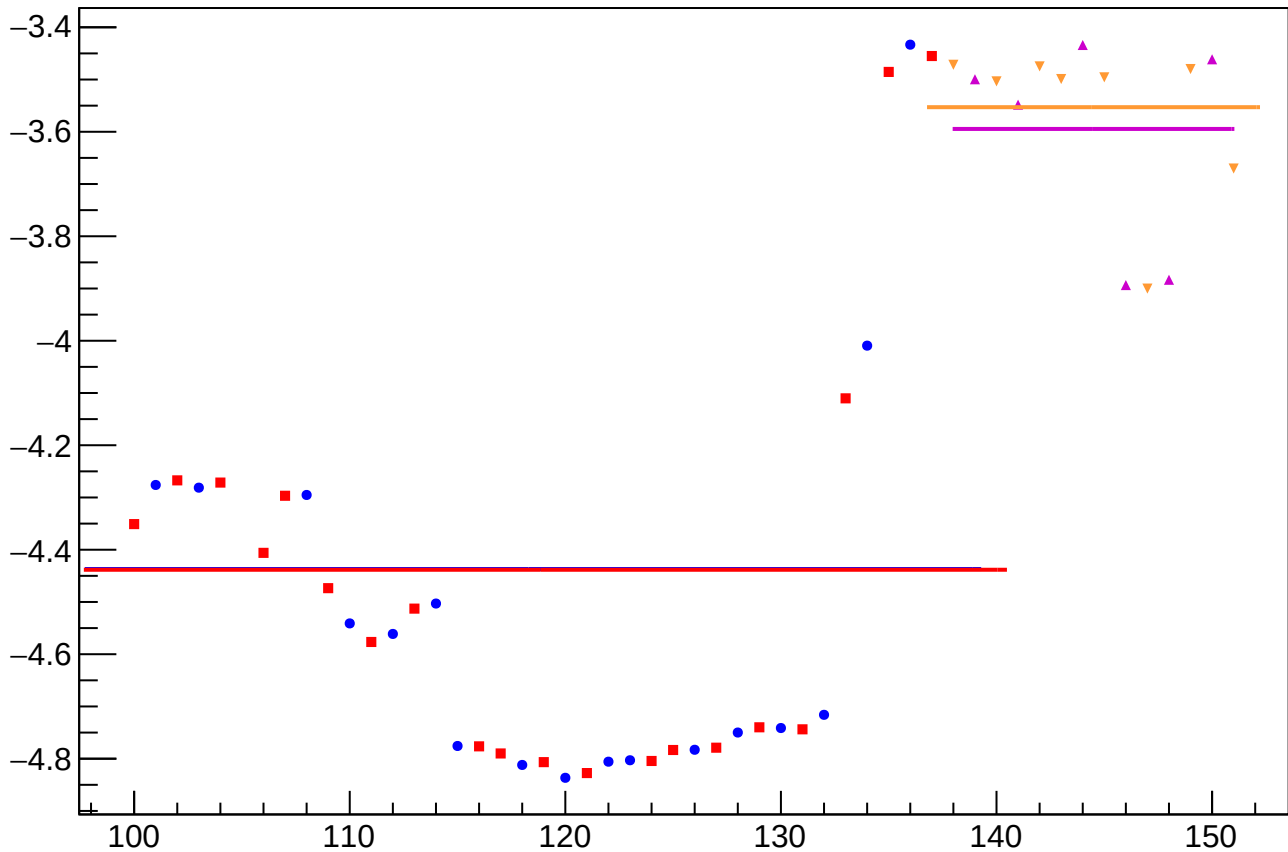
Right Out: 0.002+/-0.000 χ^2/NDF : 90764.4/19

Left In: 0.002+/-0.000 χ^2/NDF :35601.6/5

0.002+/-0.000 χ^2/NDF : 84026.0/24

0.002+/-0.000 χ^2/NDF : 144539.6/25

yield_bpm2i01Y_mean vs Slug



Right In: -4.437+/-0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.553+/-0.000 χ^2/NDF : 23897113997.2/7

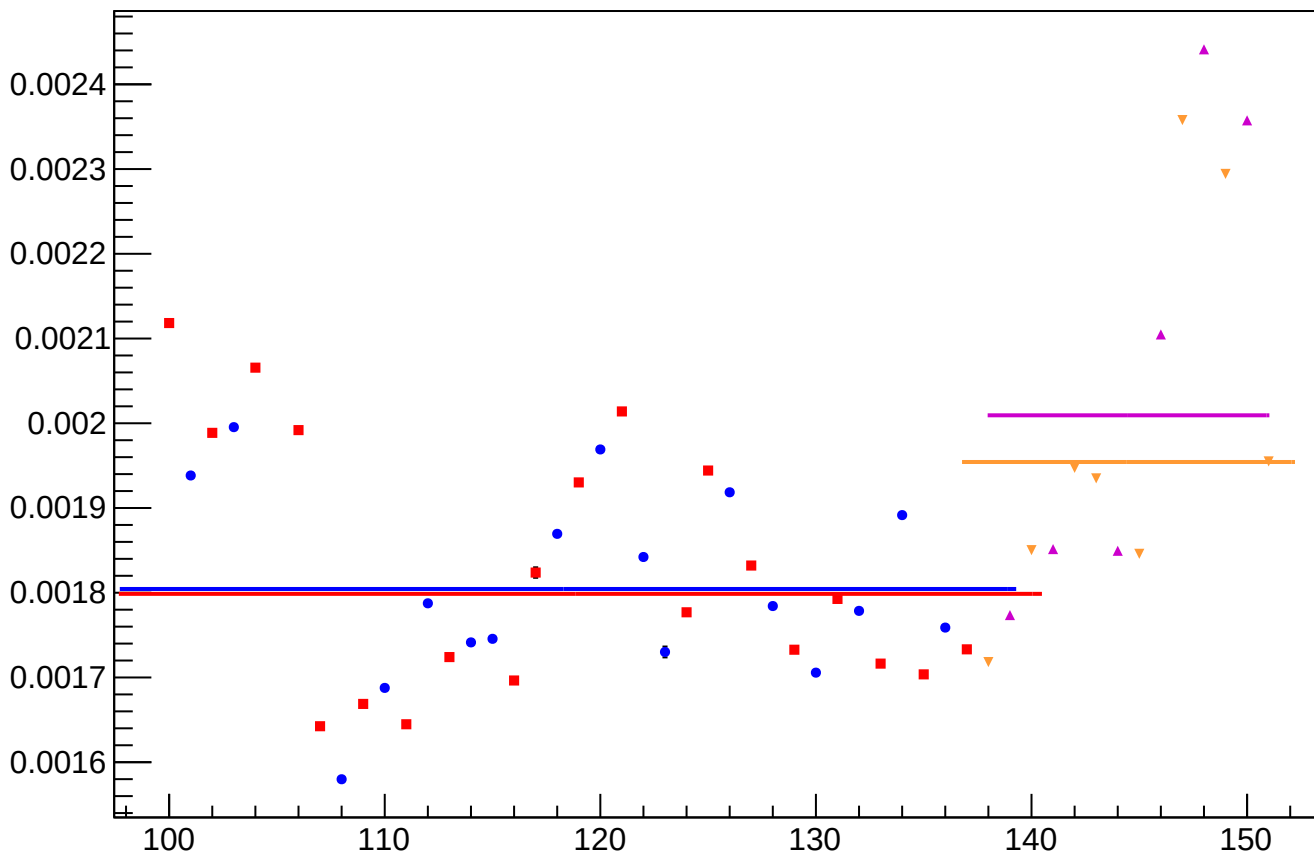
-4.066+/-0.000 χ^2/NDF : 1072448755963.0/24

Right Out: -4.438+/-0.000 χ^2/NDF : 326800745779.7/19

-4.142+/-0.000 χ^2/NDF : 899473592339.3/25

Left In: -3.595+/-0.000 χ^2/NDF : 38143783159.4/5

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 :114918.2/7

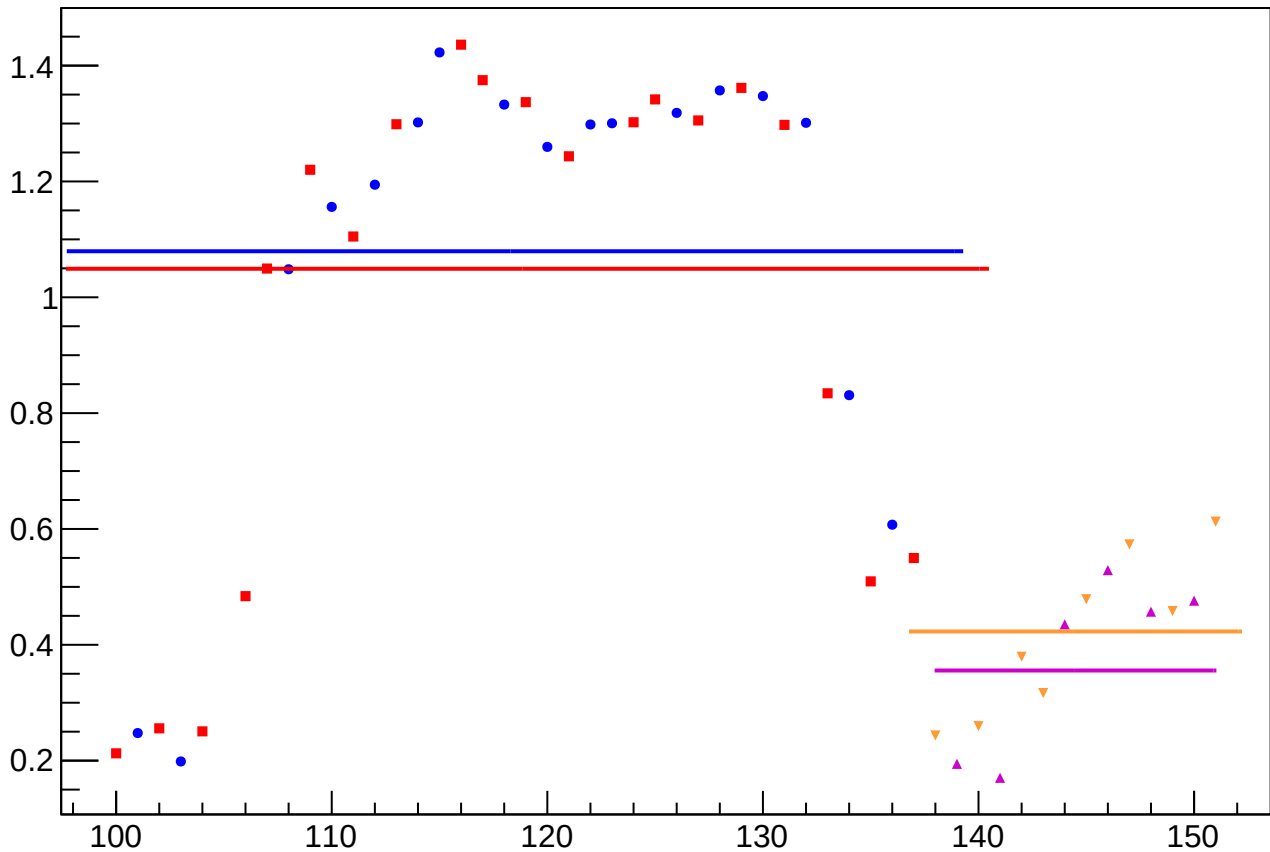
Right Out: 0.002+/-0.000 χ^2/NDF : 81037.5/19

Left In: 0.002+/-0.000 χ^2/NDF :137556.8/5

0.002+/-0.000 χ^2/NDF : 201710.6/24

0.002+/-0.000 χ^2/NDF : 285262.6/25

yield_bpm2i02X_mean vs Slug



Right In: 1.080 $\pm$ 0.000 χ^2 /NDF: 17533321220.5/16

Left Out: 0.423 $\pm$ 0.000 χ^2 /NDF:1119216105.5/7

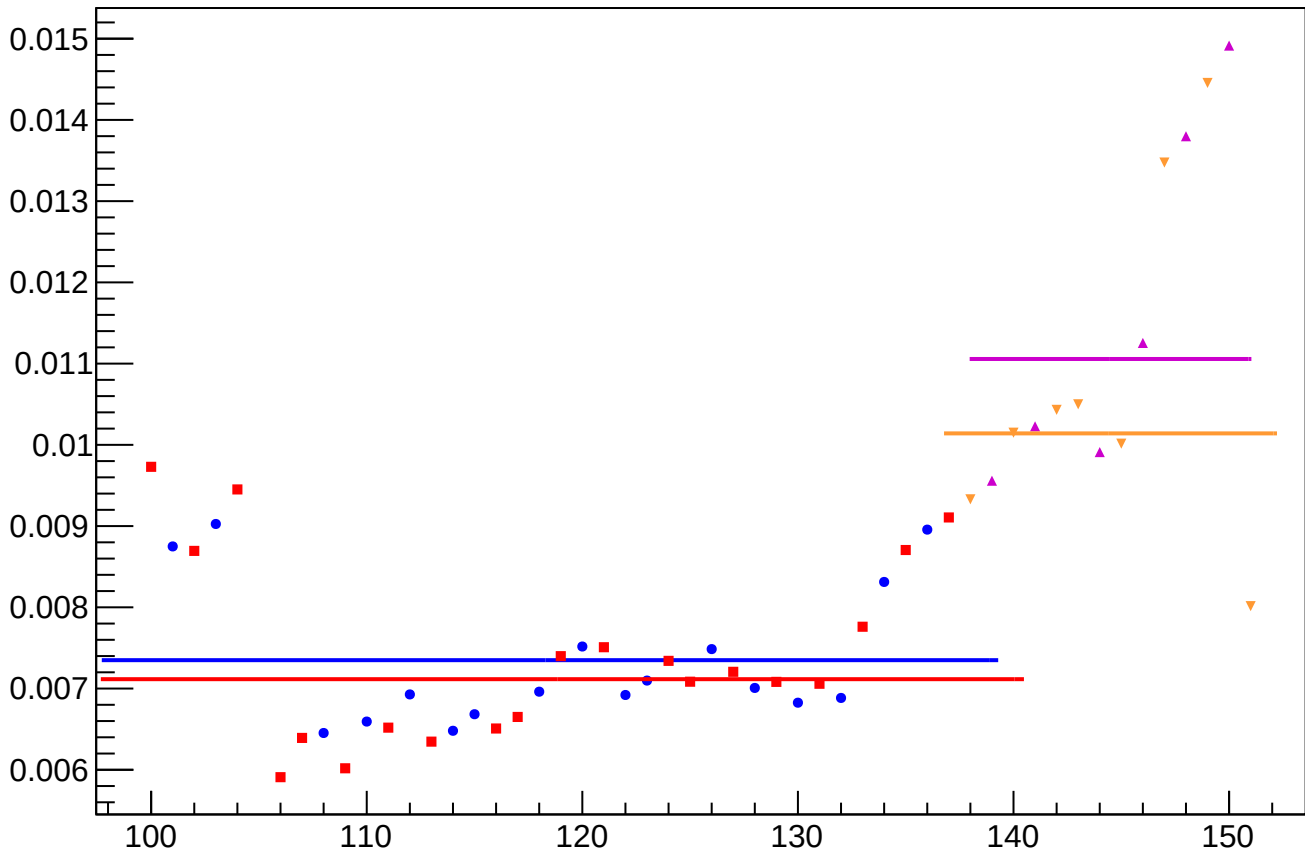
0.878 $\pm$ 0.000 χ^2 /NDF: 34804099756.0/24

Right Out: 1.049 $\pm$ 0.000 χ^2 /NDF: 19787986428.4/19

0.898 $\pm$ 0.000 χ^2 /NDF: 35119566031.8/25

Left In: 0.356 $\pm$ 0.000 χ^2 /NDF:814530210.9/5

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 : 363054.5/7

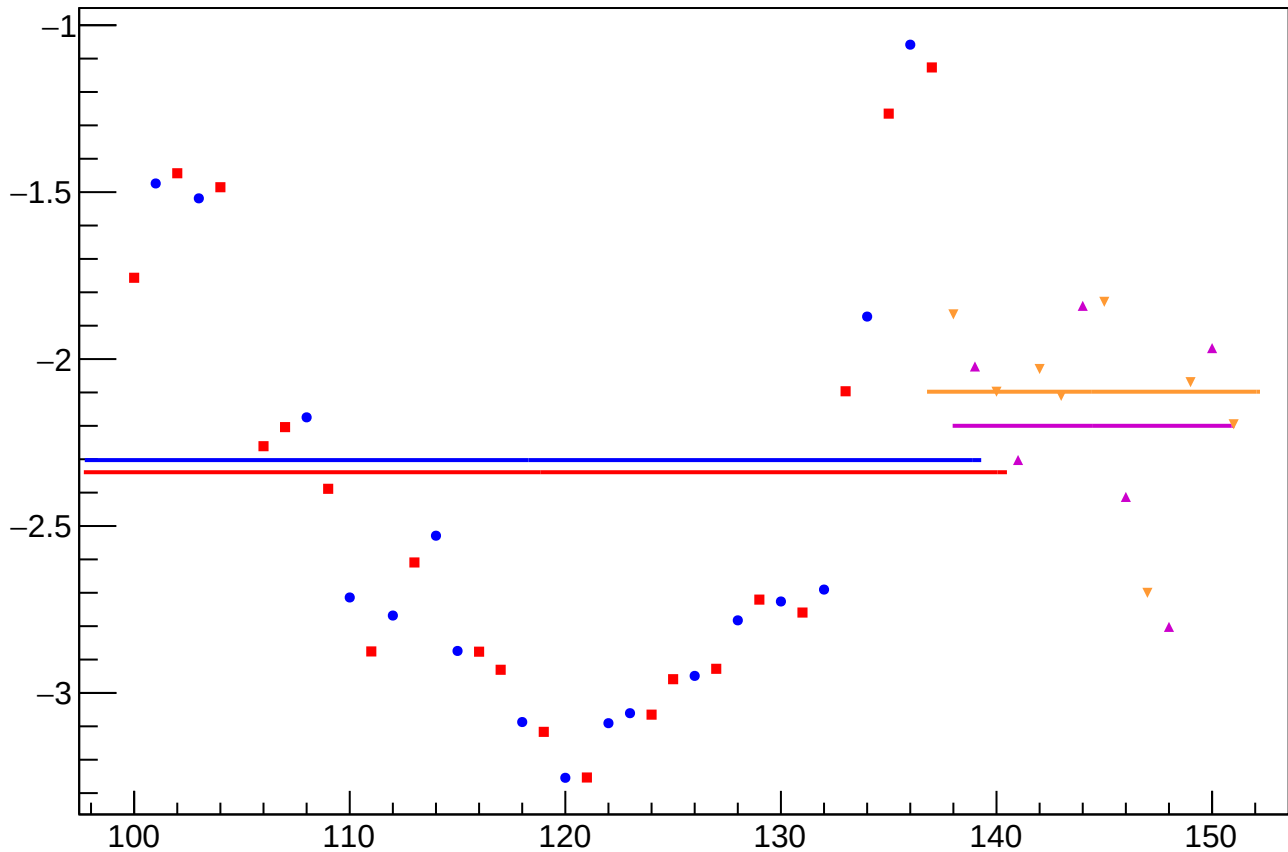
Right Out: 0.007+/-0.000 χ^2/NDF : 259539.3/19

Left In: 0.011+/-0.000 χ^2/NDF : 246028.7/5

0.008+/-0.000 χ^2/NDF : 1128028.0/24

0.008+/-0.000 χ^2/NDF : 1443171.9/25

yield_bpm2i02Y_mean vs Slug



Right In: -2.303+/-0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.098+/-0.000 χ^2/NDF : 3767486612.5/7

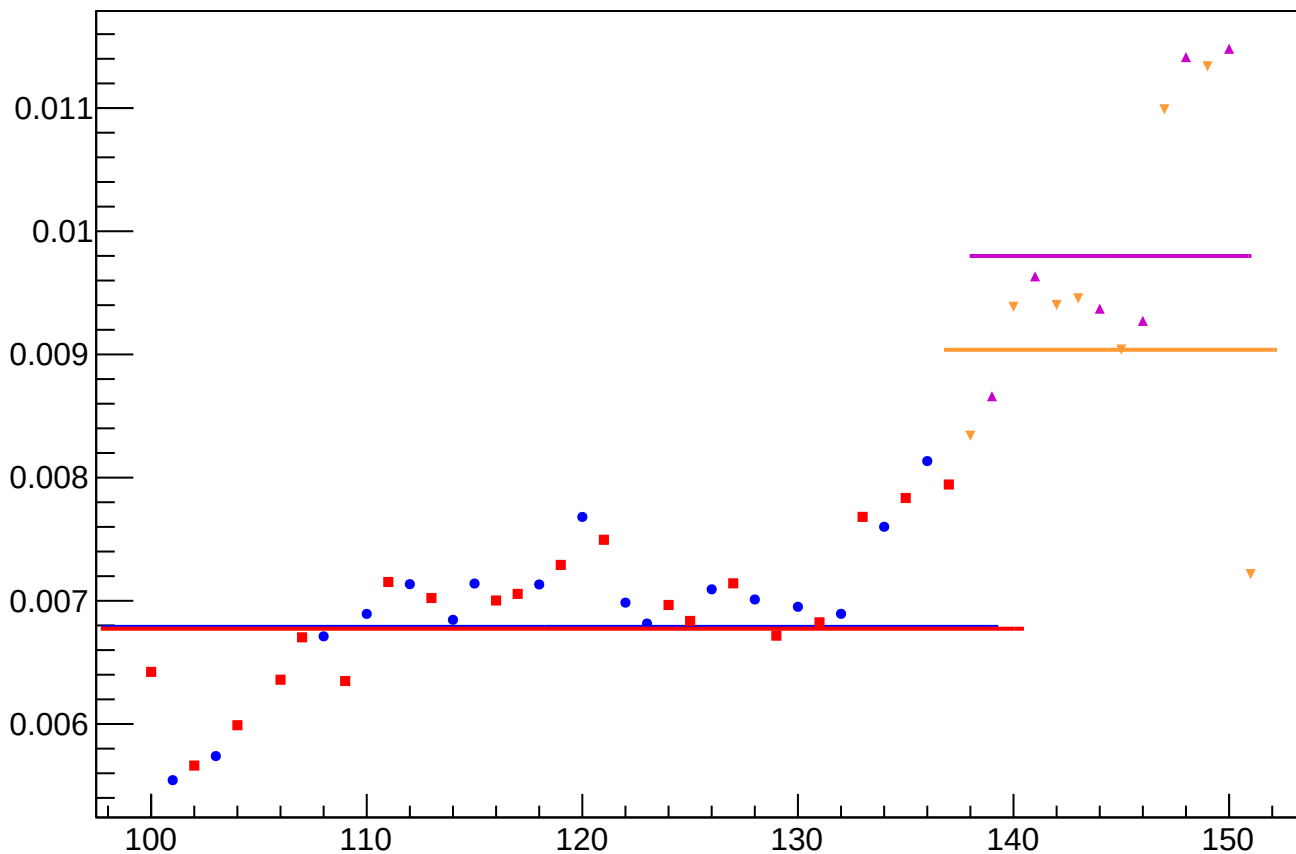
-2.236+/-0.000 χ^2/NDF : 79483317958.2/24

Right Out: -2.339+/-0.000 χ^2/NDF : 64804828308.5/19

-2.305+/-0.000 χ^2/NDF : 70190207822.9/25

Left In: -2.200+/-0.000 χ^2/NDF : 4654377416.5/5

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 : 232438.9/7

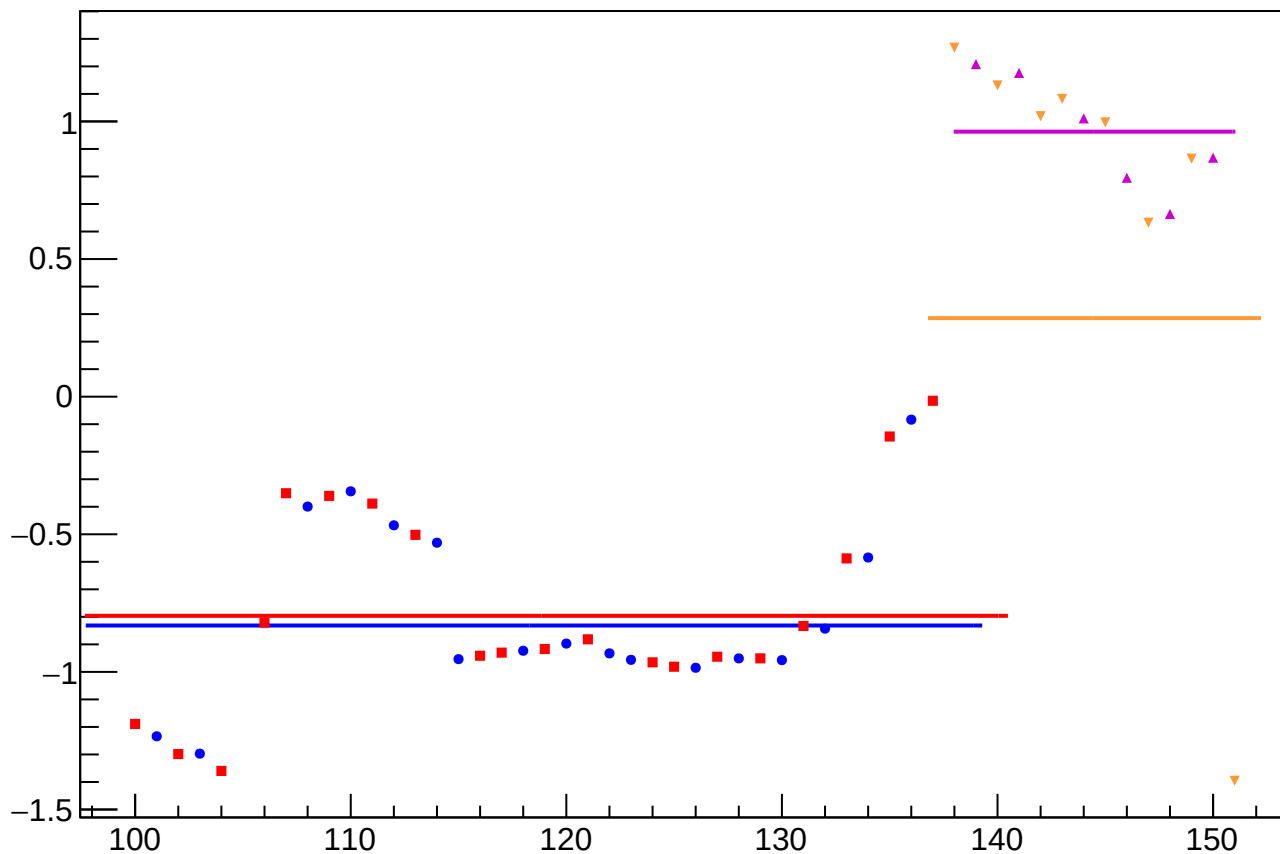
Right Out: 0.007+/-0.000 χ^2/NDF : 123383.6/19

Left In: 0.010+/-0.000 χ^2/NDF : 101936.3/5

0.008+/-0.000 χ^2/NDF : 870349.7/24

0.008+/-0.000 χ^2/NDF : 917472.0/25

yield_bpm0i01X_mean vs Slug



Right In: -0.831+/-0.000 χ^2/NDF : 6692170860.9/16

Left Out: 0.285+/-0.000 χ^2/NDF : 54085812559.5/7

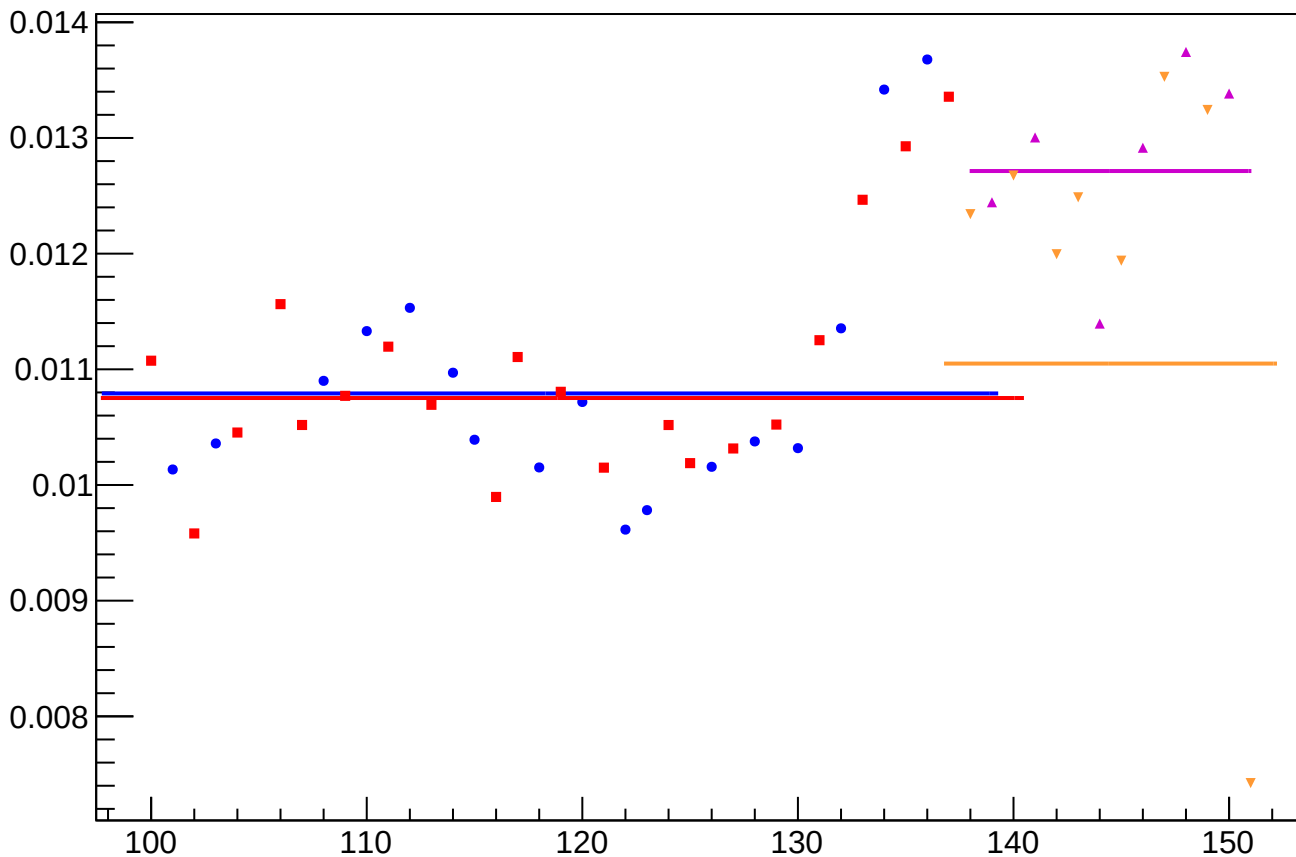
Right Out: -0.796+/-0.000 χ^2/NDF : 7827622544.3/19

Left In: 0.963+/-0.000 χ^2/NDF : 1045859272.3/5

-0.344+/-0.000 χ^2/NDF : 91513524293.5/24

-0.220+/-0.000 χ^2/NDF : 69730718299.5/25

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 125802.4/16

Left Out: 0.011+/-0.000 χ^2/NDF : 511554.5/7

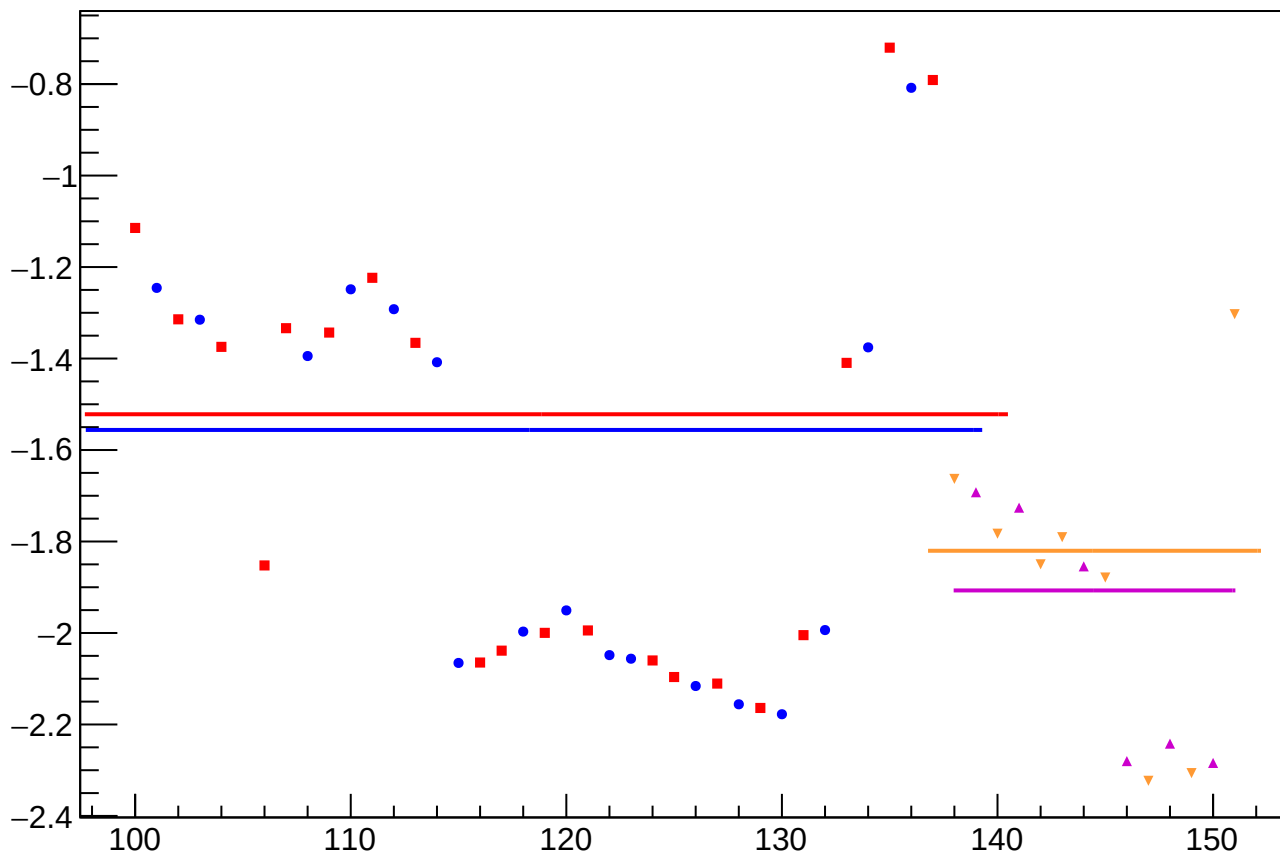
Right Out: 0.011+/-0.000 χ^2/NDF : 90303.3/19

Left In: 0.013+/-0.000 χ^2/NDF : 37545.9/5

0.011+/-0.000 χ^2/NDF : 640642.5/24

0.011+/-0.000 χ^2/NDF : 279299.9/25

yield_bpm0i01Y_mean vs Slug



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: -1.820+/-0.000 χ^2/NDF : 29167207013.8/7

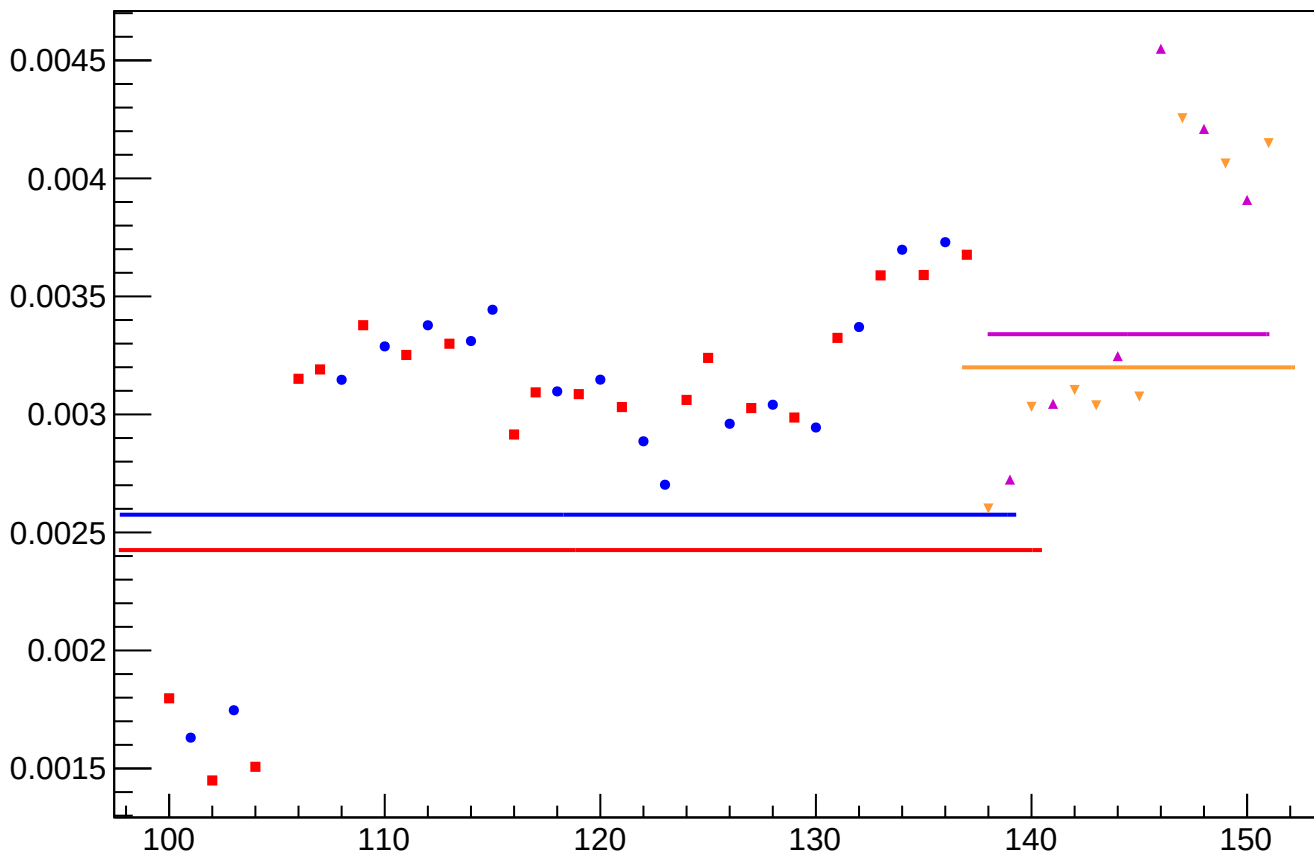
Right Out: -1.522+/-0.000 χ^2/NDF : 139385229659.4/19

Left In: -1.907+/-0.000 χ^2/NDF : 20981894303.2/5

-1.649+/-0.000 χ^2/NDF : 205069414107.9/24

-1.625+/-0.000 χ^2/NDF : 198751004008.2/25

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 : 274116.0/7

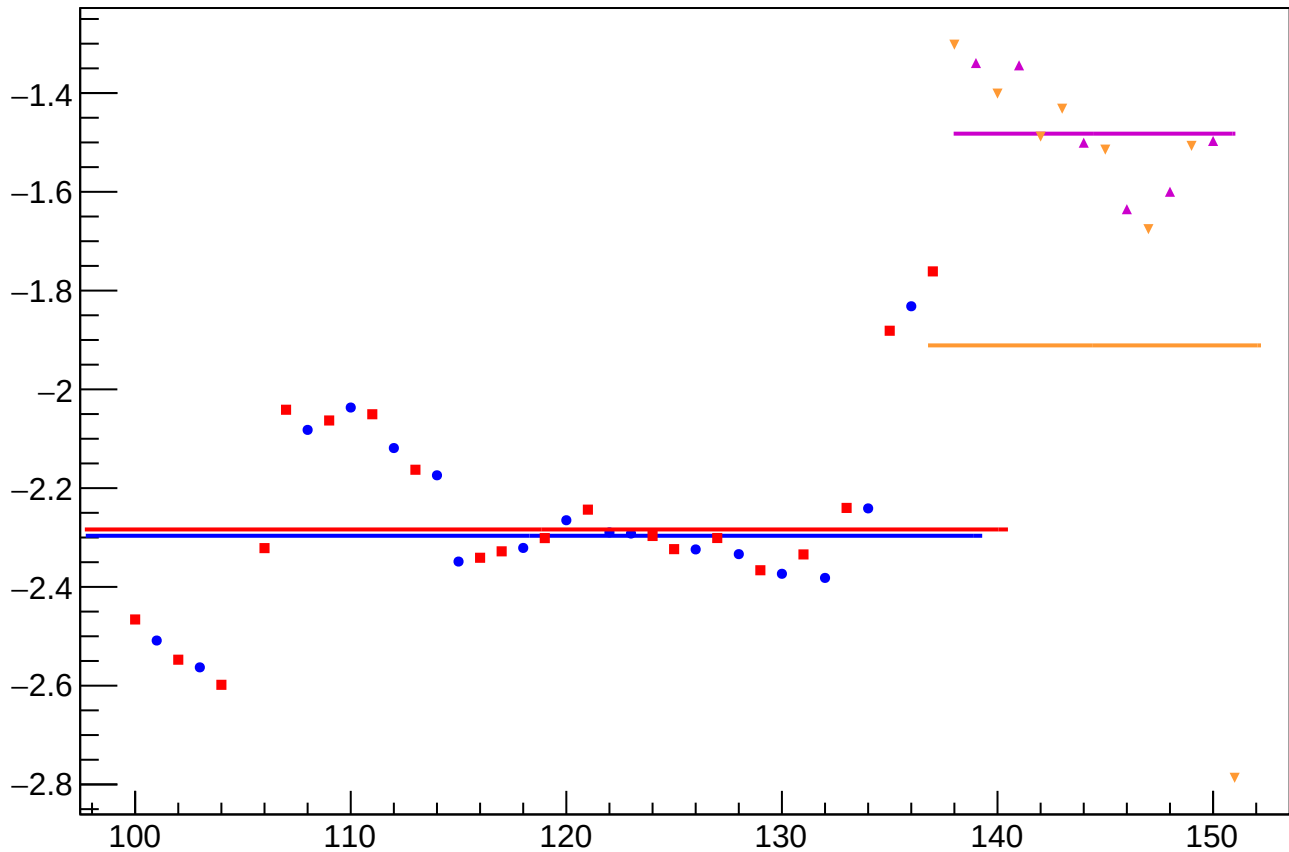
Right Out: 0.002+/-0.000 χ^2/NDF : 1493210.7/19

Left In: 0.003+/-0.000 χ^2/NDF : 237191.1/5

0.003+/-0.000 χ^2/NDF : 1521810.8/24

0.003+/-0.000 χ^2/NDF : 2163320.9/25

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -1.911+/-0.000 χ^2/NDF : 37836085113.6/7

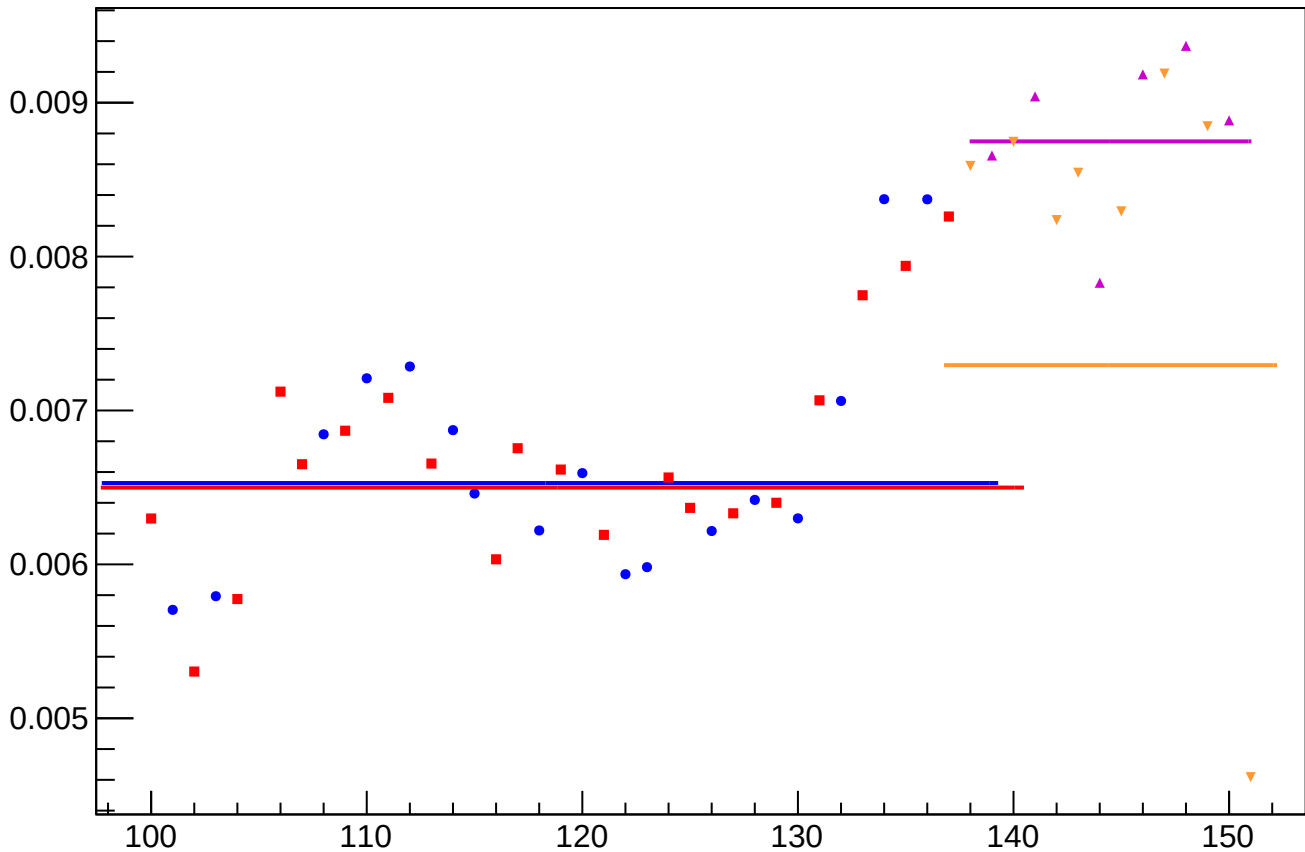
Right Out: -2.284+/-0.000 χ^2/NDF : 6550363990.6/19

Left In: -1.482+/-0.000 χ^2/NDF : 703882565.5/5

-2.147+/-0.000 χ^2/NDF : 52355913248.0/24

-2.066+/-0.000 χ^2/NDF : 35443567963.9/25

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 176467.7/16

Left Out: 0.007+/-0.000 χ^2/NDF : 704677.3/7

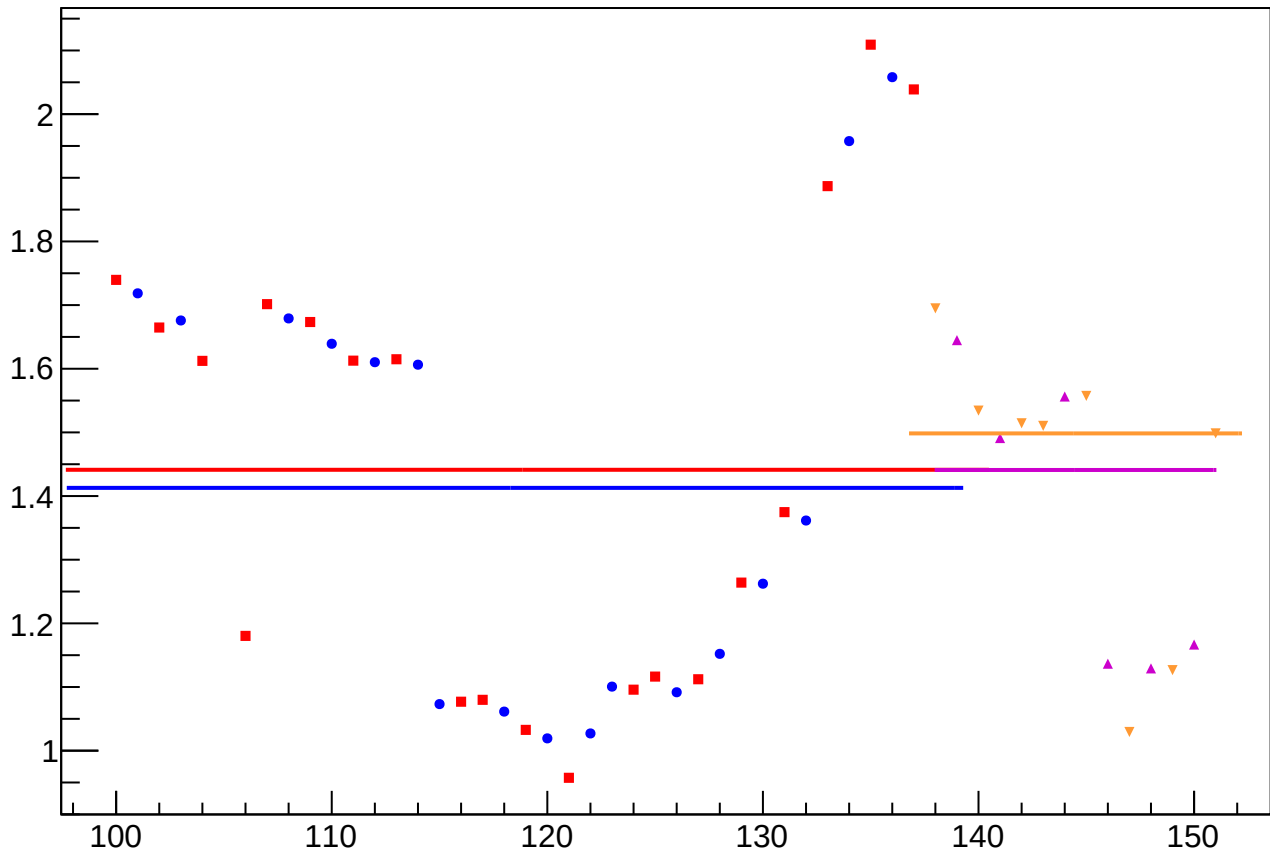
Right Out: 0.006+/-0.000 χ^2/NDF : 164253.8/19

Left In: 0.009+/-0.000 χ^2/NDF : 35186.8/5

0.007+/-0.000 χ^2/NDF : 950104.8/24

0.007+/-0.000 χ^2/NDF : 643622.7/25

yield_bpm0i01aY_mean vs Slug



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 1.498+/-0.000 χ^2/NDF : 5995775739.7/7

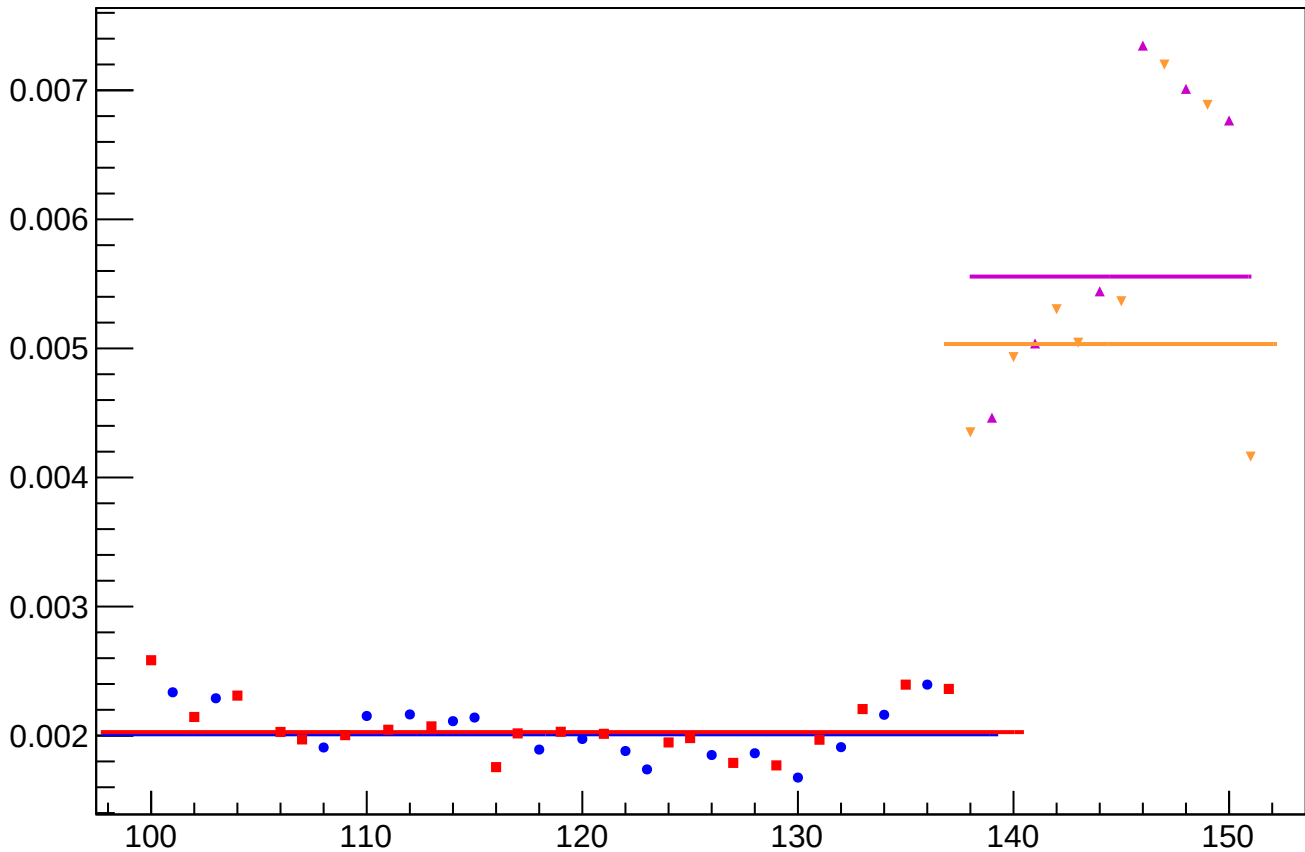
1.423+/-0.000 χ^2/NDF : 179818162479.9/24

Right Out: 1.441+/-0.000 χ^2/NDF : 174346888744.4/19

1.441+/-0.000 χ^2/NDF : 179620827882.6/25

Left In: 1.441+/-0.000 χ^2/NDF : 5273928562.9/5

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 :300145.3/7

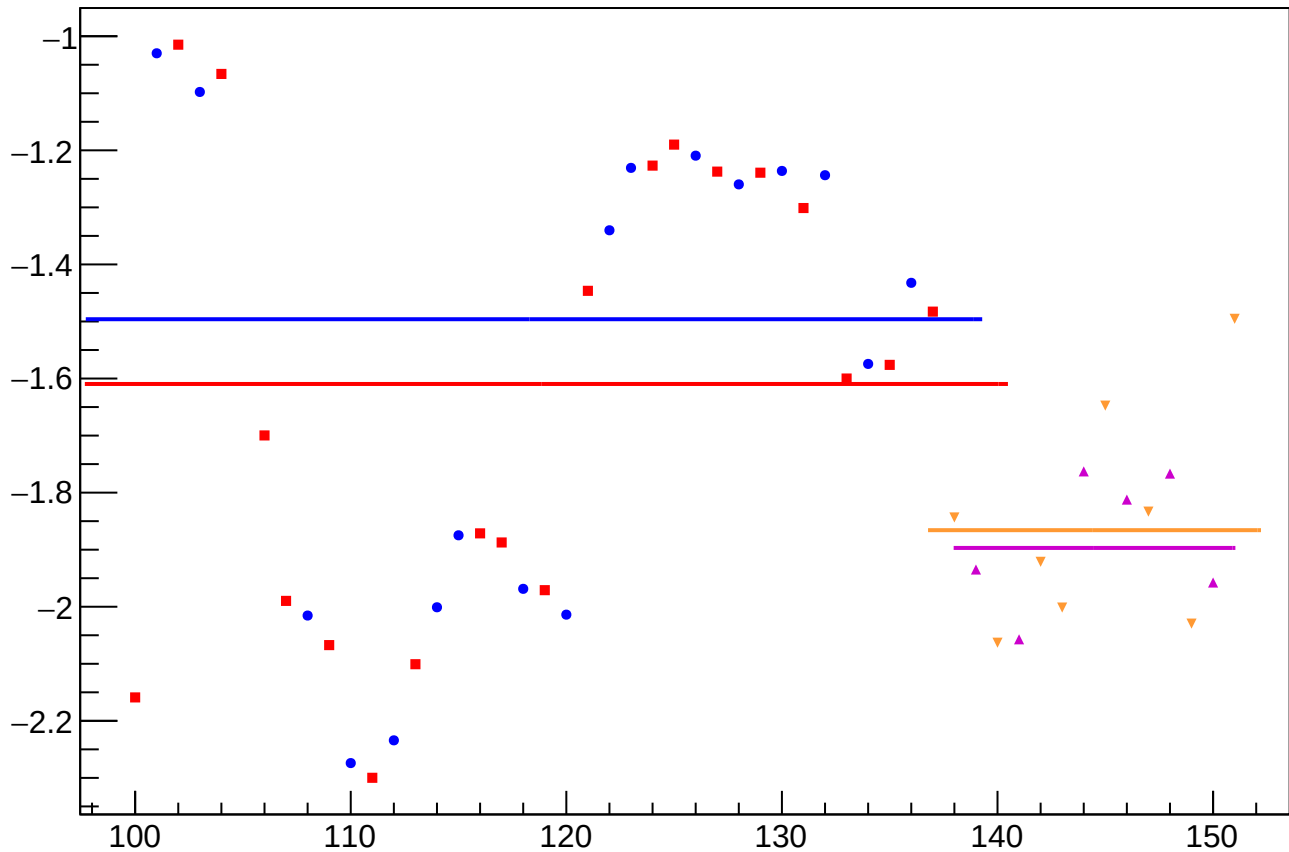
Right Out: 0.002+/-0.000 χ^2/NDF : 103927.8/19

Left In: 0.006+/-0.000 χ^2/NDF :266342.6/5

0.002+/-0.000 χ^2/NDF : 3605617.0/24

0.002+/-0.000 χ^2/NDF : 3423317.1/25

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.866+/-0.000 χ^2/NDF : 5333228662.5/7

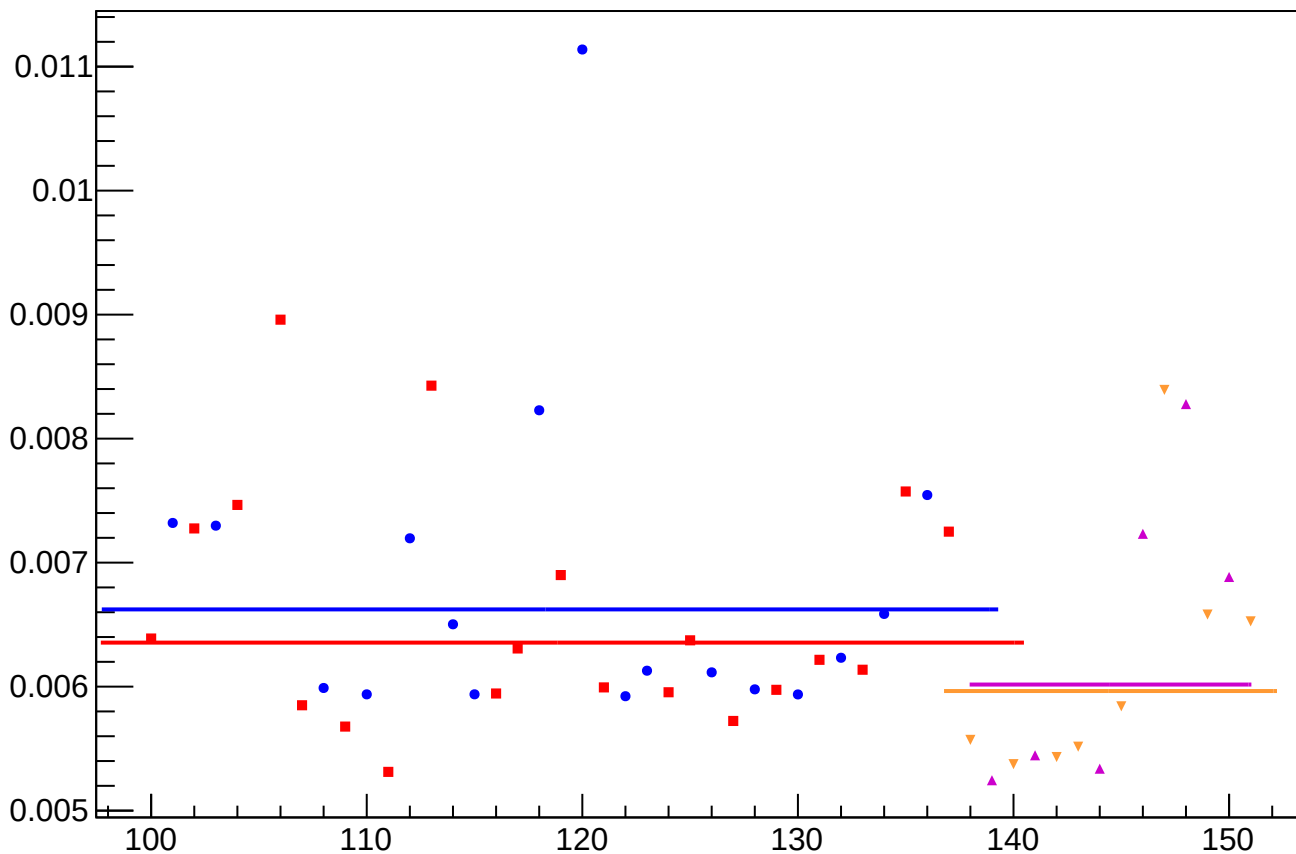
-1.688+/-0.000 χ^2/NDF : 37737496559.9/24

Right Out: -1.610+/-0.000 χ^2/NDF : 27919840690.9/19

-1.732+/-0.000 χ^2/NDF : 35288229565.0/25

Left In: -1.897+/-0.000 χ^2/NDF : 1603051161.3/5

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 232630.4/16

Left Out: 0.006+/-0.000 χ^2/NDF :183823.6/7

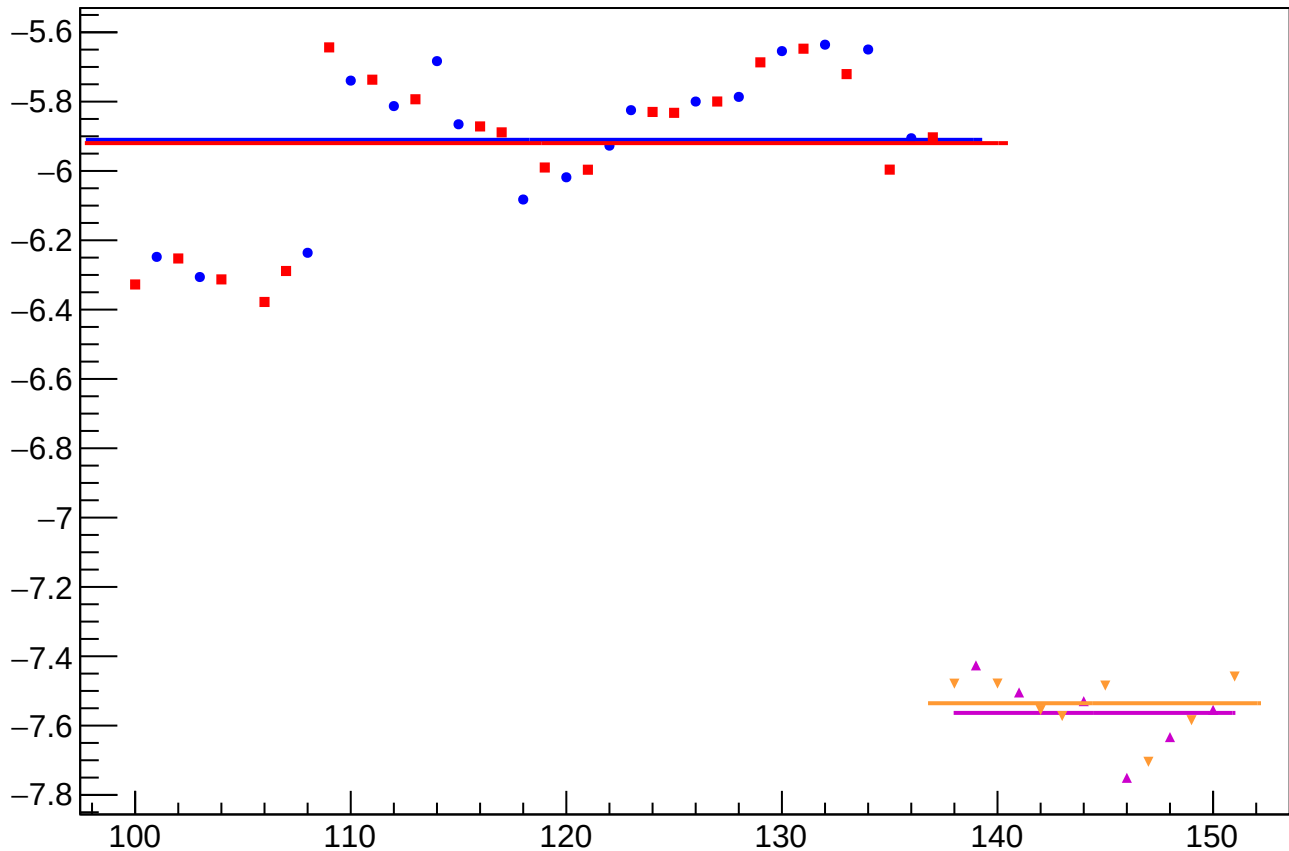
Right Out: 0.006+/-0.000 χ^2/NDF : 227865.9/19

Left In: 0.006+/-0.000 χ^2/NDF :244565.8/5

0.006+/-0.000 χ^2/NDF : 479082.6/24

0.006+/-0.000 χ^2/NDF : 488394.4/25

yield_bpm0l01Y_mean vs Slug



Right In: -5.910 $\pm$ 0.000 χ^2 /NDF: 11154434512.7/16

Left Out: -7.536 $\pm$ 0.000 χ^2 /NDF: 446846072.8/7

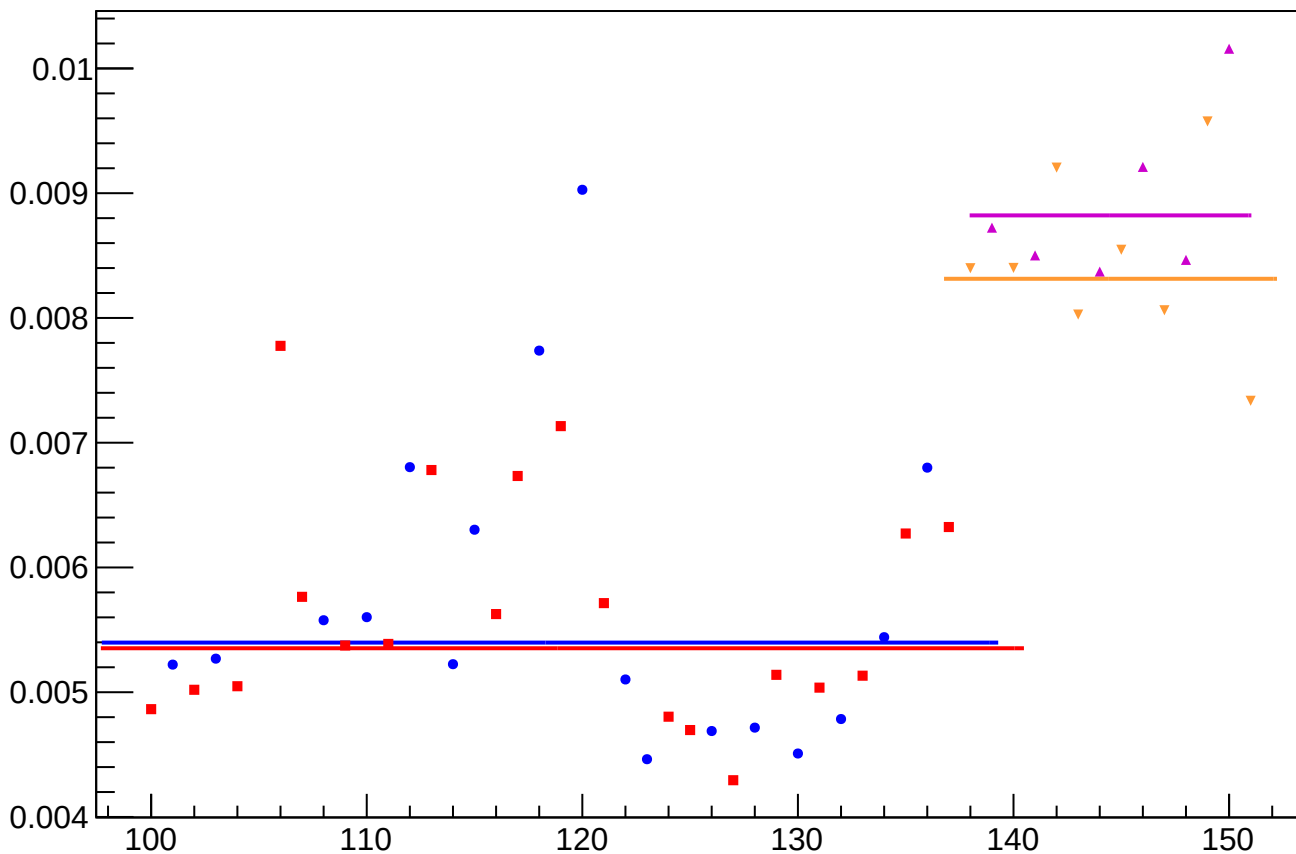
-6.317 $\pm$ 0.000 χ^2 /NDF: 145770108669.0/24

Right Out: -5.920 $\pm$ 0.000 χ^2 /NDF: 12786449843.6/19

-6.232 $\pm$ 0.000 χ^2 /NDF: 127858988309.8/25

Left In: -7.563 $\pm$ 0.000 χ^2 /NDF: 488774576.9/5

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 : 56875.1/7

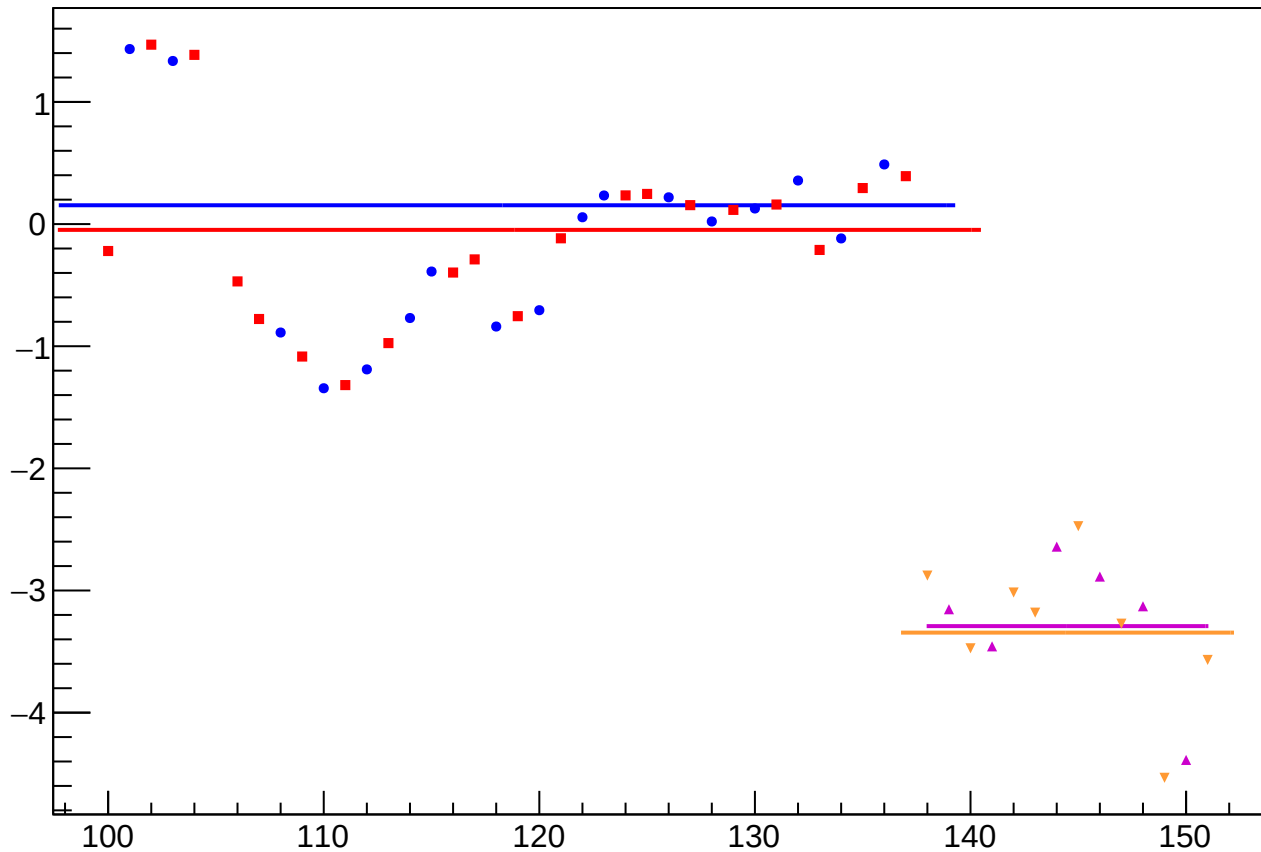
Right Out: 0.005+/-0.000 χ^2/NDF : 252664.1/19

Left In: 0.009+/-0.000 χ^2/NDF : 36549.0/5

0.006+/-0.000 χ^2/NDF : 1292044.8/24

0.006+/-0.000 χ^2/NDF : 1310461.9/25

yield_bpm0l02X_mean vs Slug



Right In: 0.154 ± 0.000 $\chi^2/\text{NDF}: 16988256953.8/16$

Left Out: -3.345 ± 0.000 $\chi^2/\text{NDF}: 6539073734.5/7$

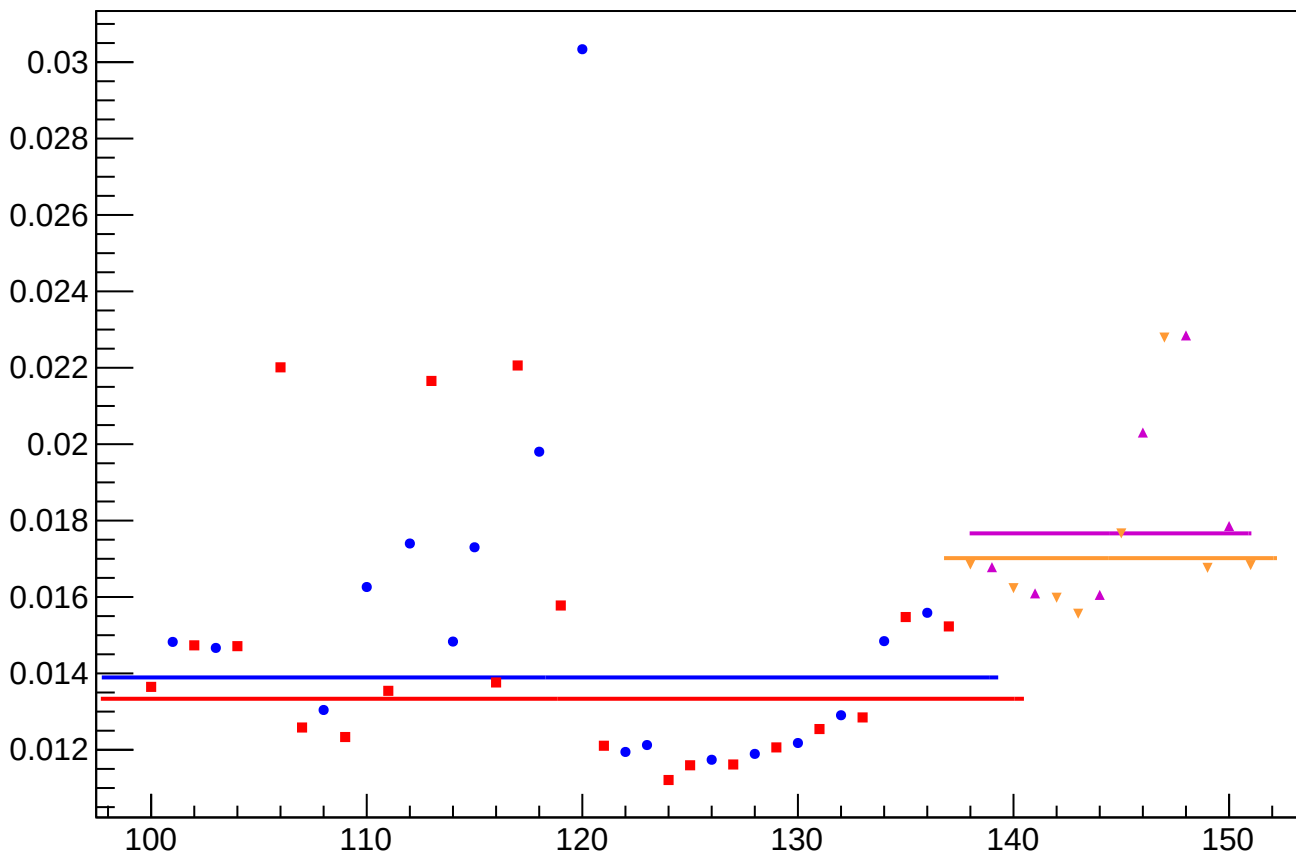
-1.164 ± 0.000 $\chi^2/\text{NDF}: 164930729435.4/24$

Right Out: -0.047 ± 0.000 $\chi^2/\text{NDF}: 21216074494.2/19$

-0.960 ± 0.000 $\chi^2/\text{NDF}: 134164028245.8/25$

Left In: -3.292 ± 0.000 $\chi^2/\text{NDF}: 4825669643.4/5$

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 400569.4/16

Left Out: 0.017+/-0.000 χ^2/NDF :111293.9/7

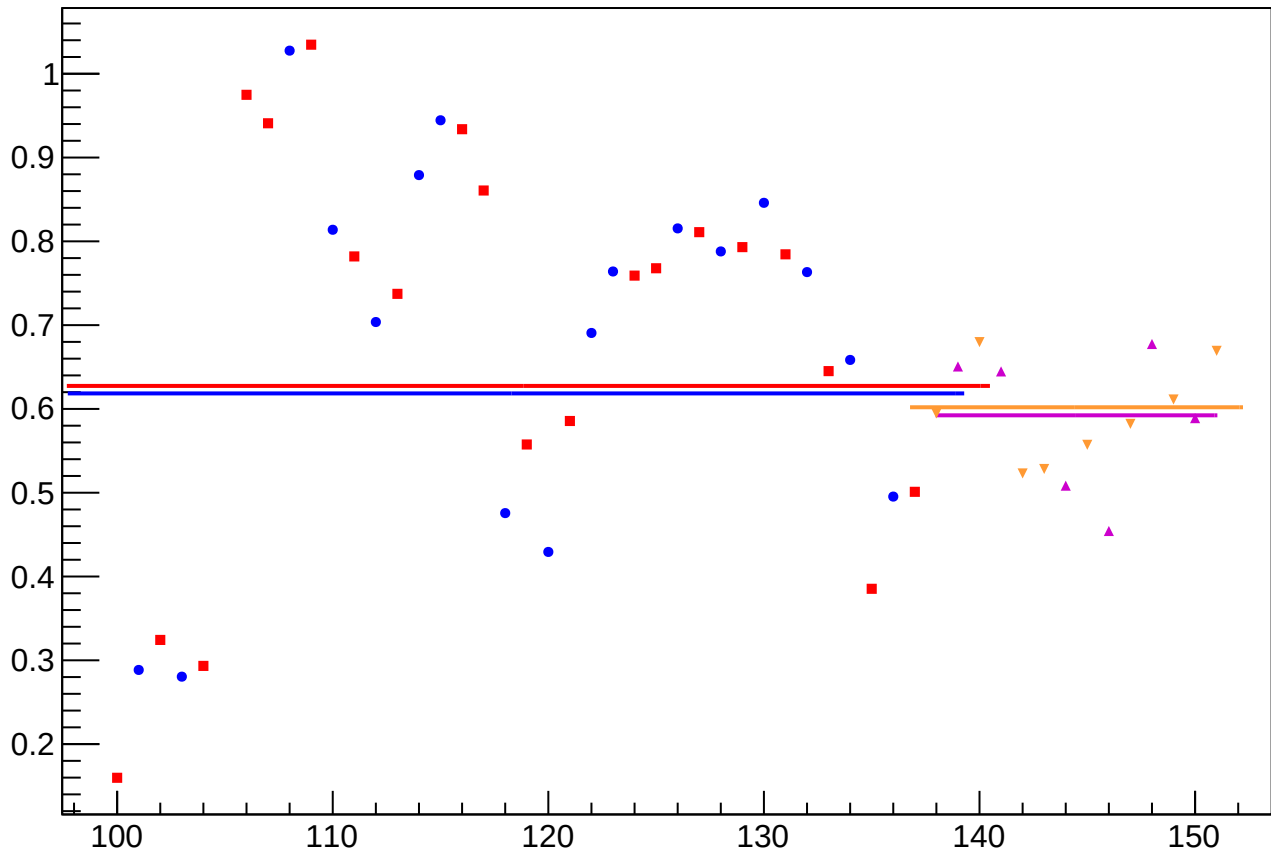
Right Out: 0.013+/-0.000 χ^2/NDF : 303459.9/19

Left In: 0.018+/-0.000 χ^2/NDF :134237.4/5

0.015+/-0.000 χ^2/NDF : 737130.0/24

0.015+/-0.000 χ^2/NDF : 822804.2/25

yield_bpm0l02Y_mean vs Slug



Right In: 0.619 $\pm$ 0.000 χ^2 /NDF: 5416939288.1/16

Left Out: 0.602 $\pm$ 0.000 χ^2 /NDF: 292477863.2/7

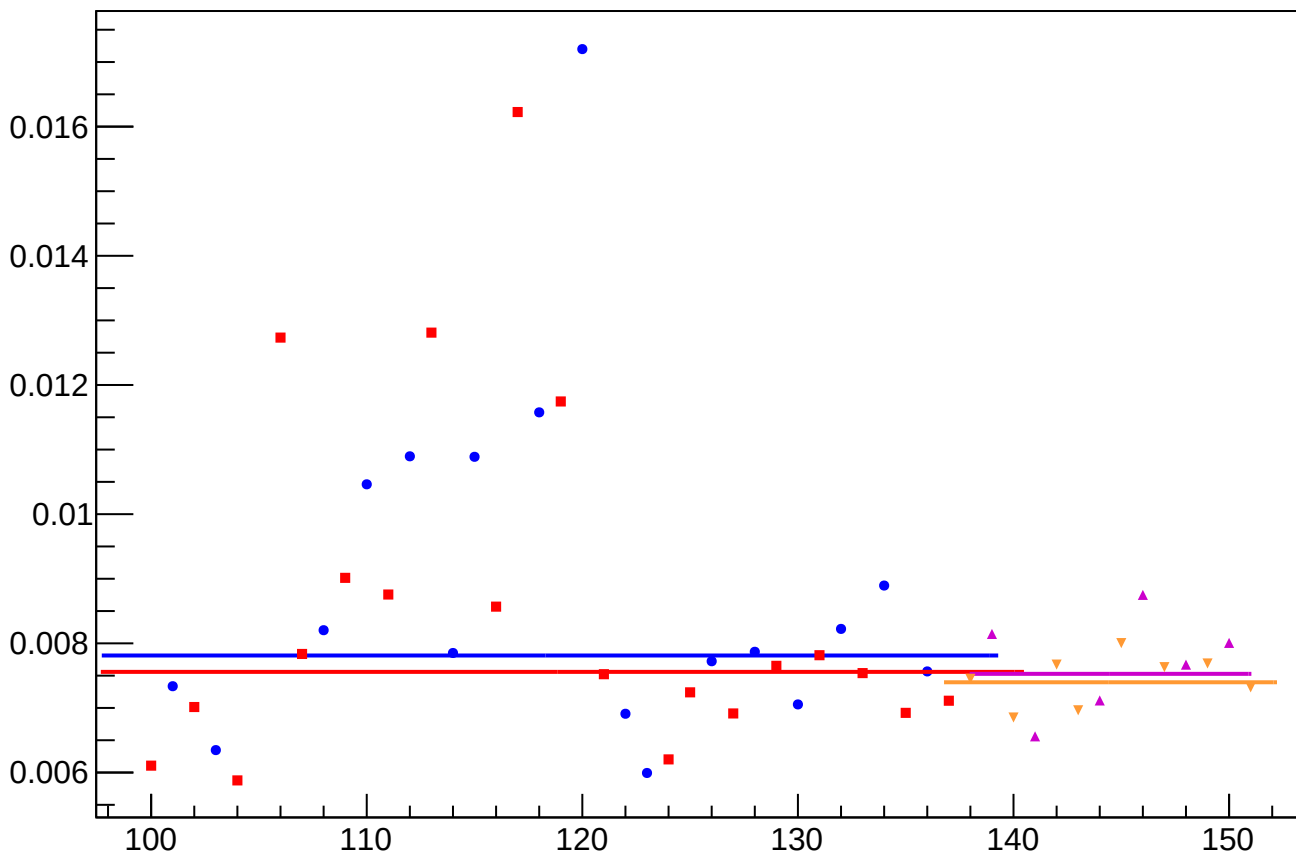
0.610 $\pm$ 0.000 χ^2 /NDF: 5722379510.4/24

Right Out: 0.627 $\pm$ 0.000 χ^2 /NDF: 6345684740.0/19

0.613 $\pm$ 0.000 χ^2 /NDF: 6857231738.5/25

Left In: 0.592 $\pm$ 0.000 χ^2 /NDF: 455770710.2/5

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 :26130.6/7

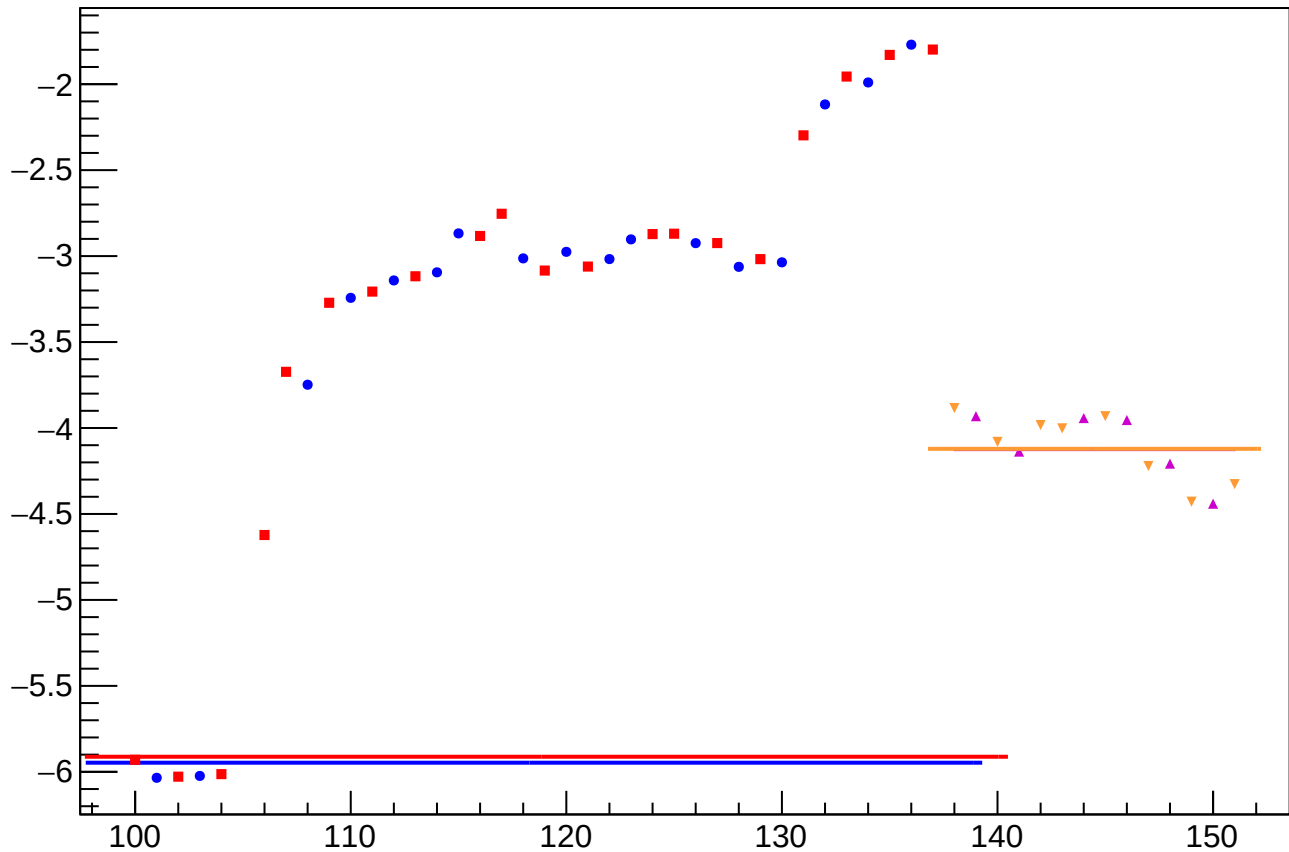
Right Out: 0.008+/-0.000 χ^2/NDF : 463232.7/19

Left In: 0.008+/-0.000 χ^2/NDF :80440.1/5

0.008+/-0.000 χ^2/NDF : 509248.1/24

0.008+/-0.000 χ^2/NDF : 543757.0/25

yield_bpm0l03X_mean vs Slug



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -4.121+/-0.000 χ^2/NDF : 29121299.0/7

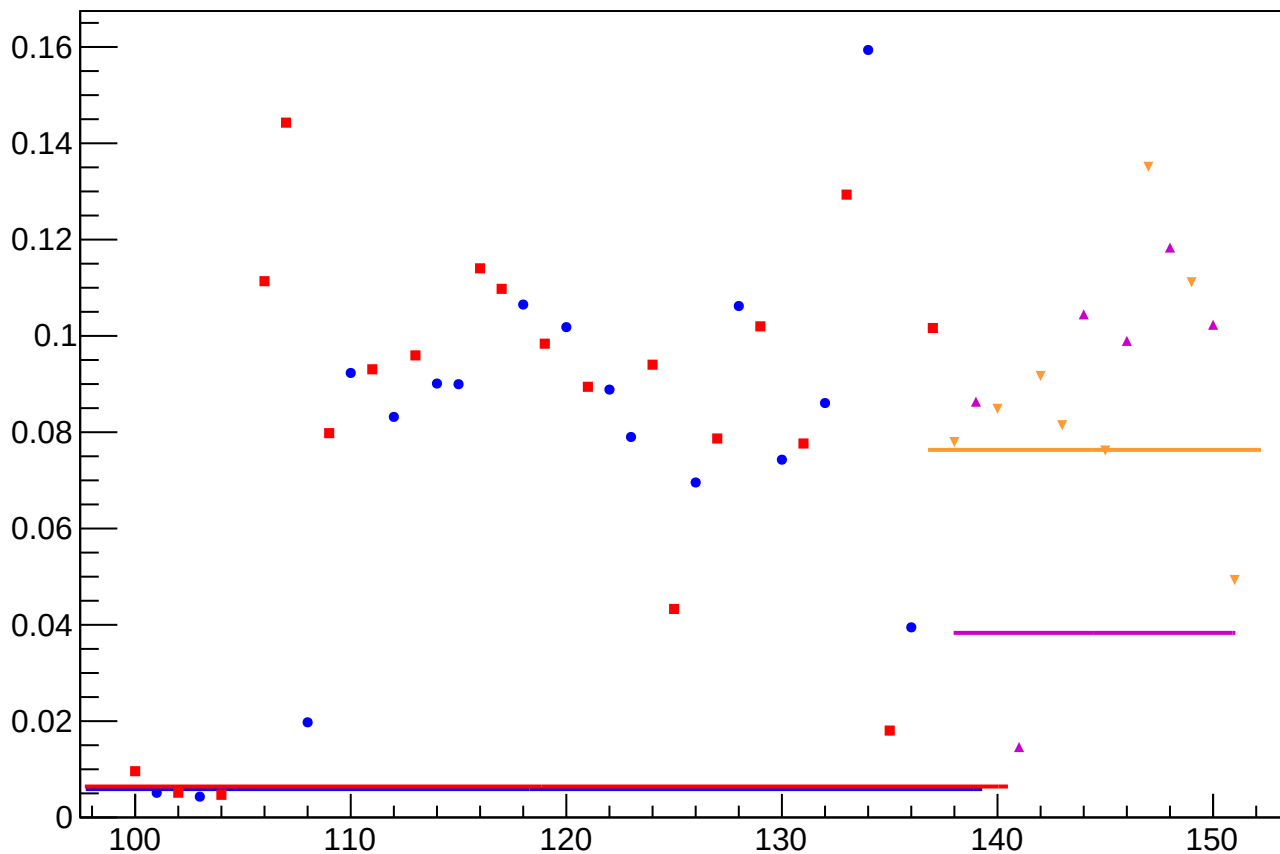
-5.916+/-0.000 χ^2/NDF : 15831539395.3/24

Right Out: -5.912+/-0.000 χ^2/NDF : 14648055548.9/19

-5.858+/-0.000 χ^2/NDF : 18392346895.6/25

Left In: -4.123+/-0.000 χ^2/NDF : 14204272.4/5

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 7934545.2/16

Left Out: 0.076+/-0.000 χ^2/NDF : 787468.0/7

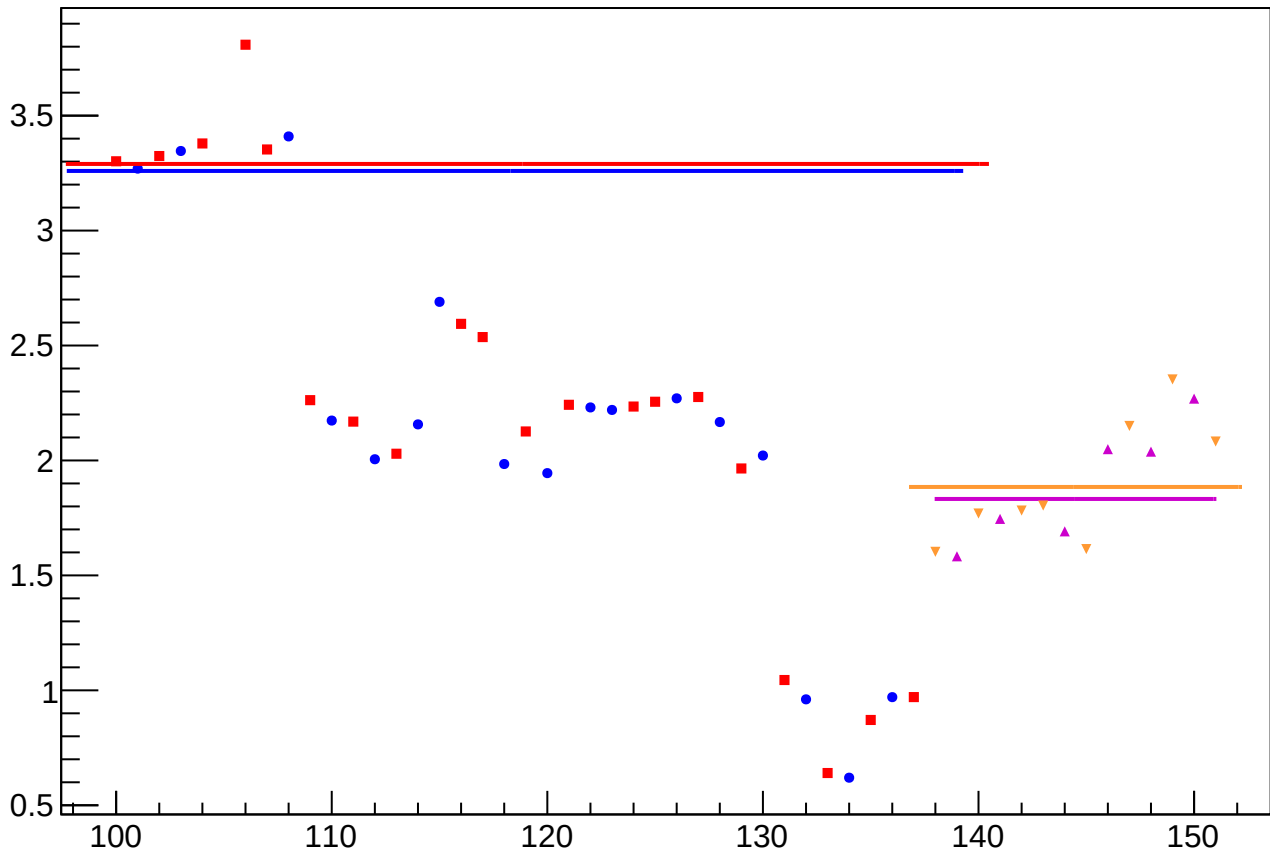
Right Out: 0.006+/-0.000 χ^2/NDF : 8558731.2/19

Left In: 0.038+/-0.000 χ^2/NDF : 3647721.1/5

0.007+/-0.000 χ^2/NDF : 16571359.9/24

0.007+/-0.000 χ^2/NDF : 14578777.9/25

yield_bpm0l03Y_mean vs Slug



Right In: 3.259+/-0.000 χ^2/NDF : 2921931976.8/16

Left Out: 1.885+/-0.000 χ^2/NDF : 40824200.3/7

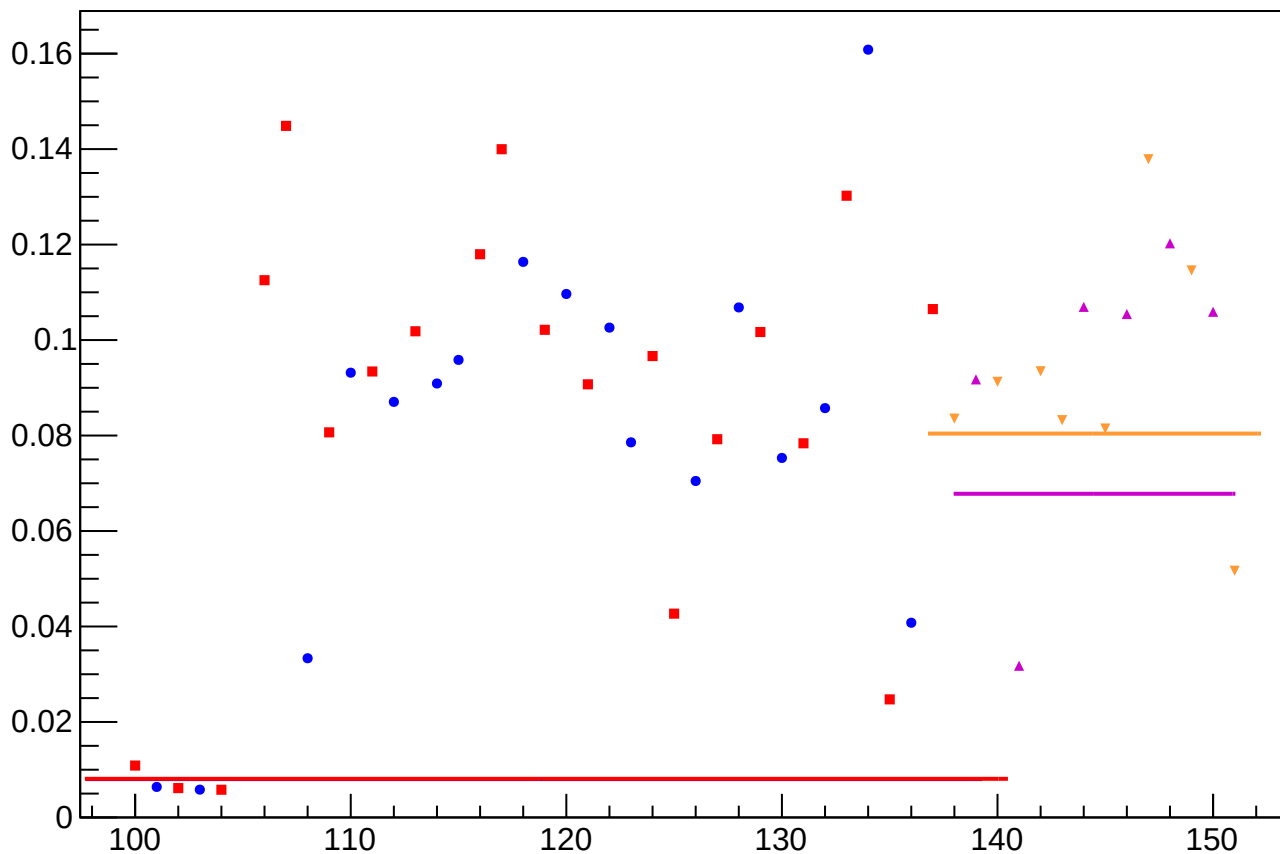
3.226+/-0.000 χ^2/NDF : 4303126959.5/24

Right Out: 3.290+/-0.000 χ^2/NDF : 3263300926.6/19

3.256+/-0.000 χ^2/NDF : 4580706833.7/25

Left In: 1.833+/-0.000 χ^2/NDF : 24531334.6/5

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 7742048.1/16

Left Out: 0.080+/-0.000 χ^2/NDF : 752314.9/7

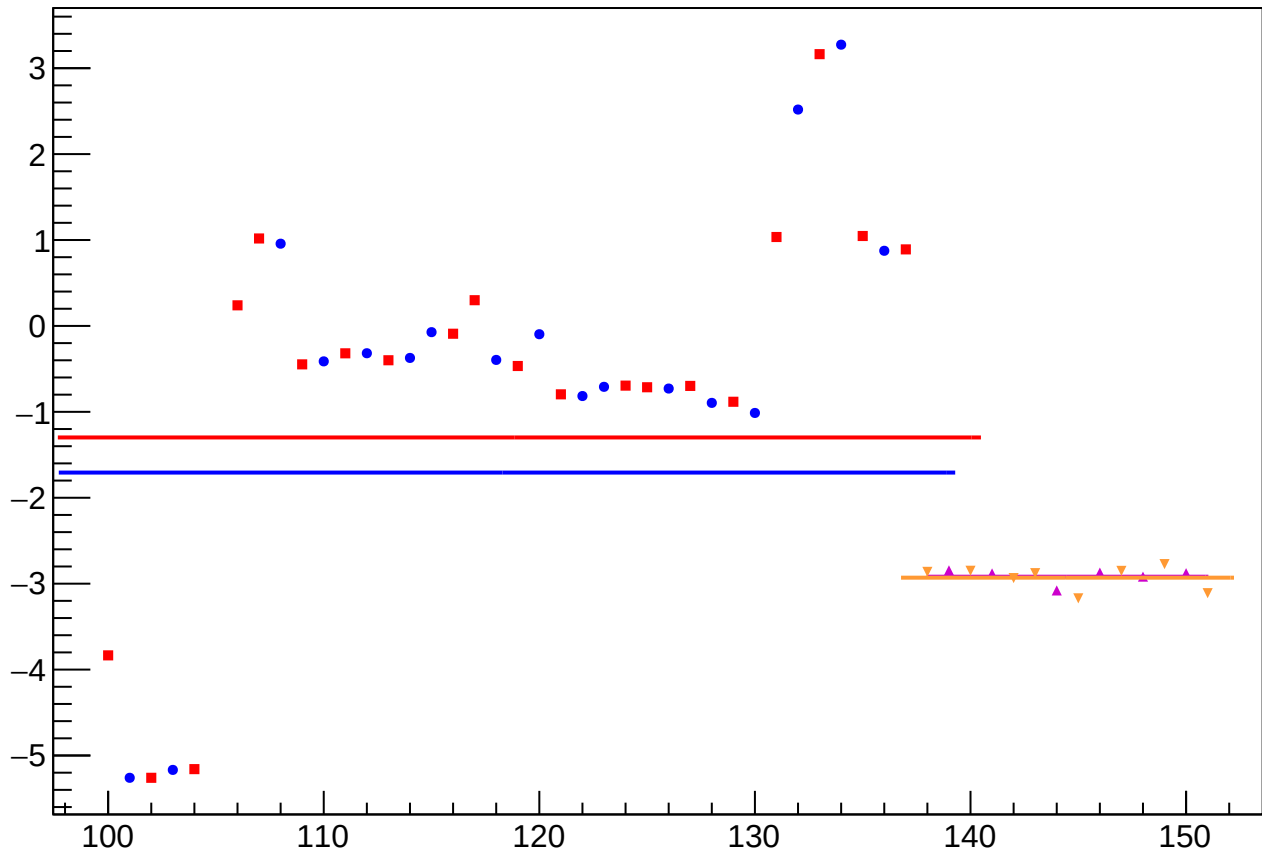
Right Out: 0.008+/-0.000 χ^2/NDF : 8375005.0/19

Left In: 0.068+/-0.000 χ^2/NDF : 1738712.5/5

0.010+/-0.000 χ^2/NDF : 15924036.1/24

0.009+/-0.000 χ^2/NDF : 14453946.8/25

yield_bpm0l04X_mean vs Slug



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.930+/-0.000 χ^2/NDF : 1608465557.2/7

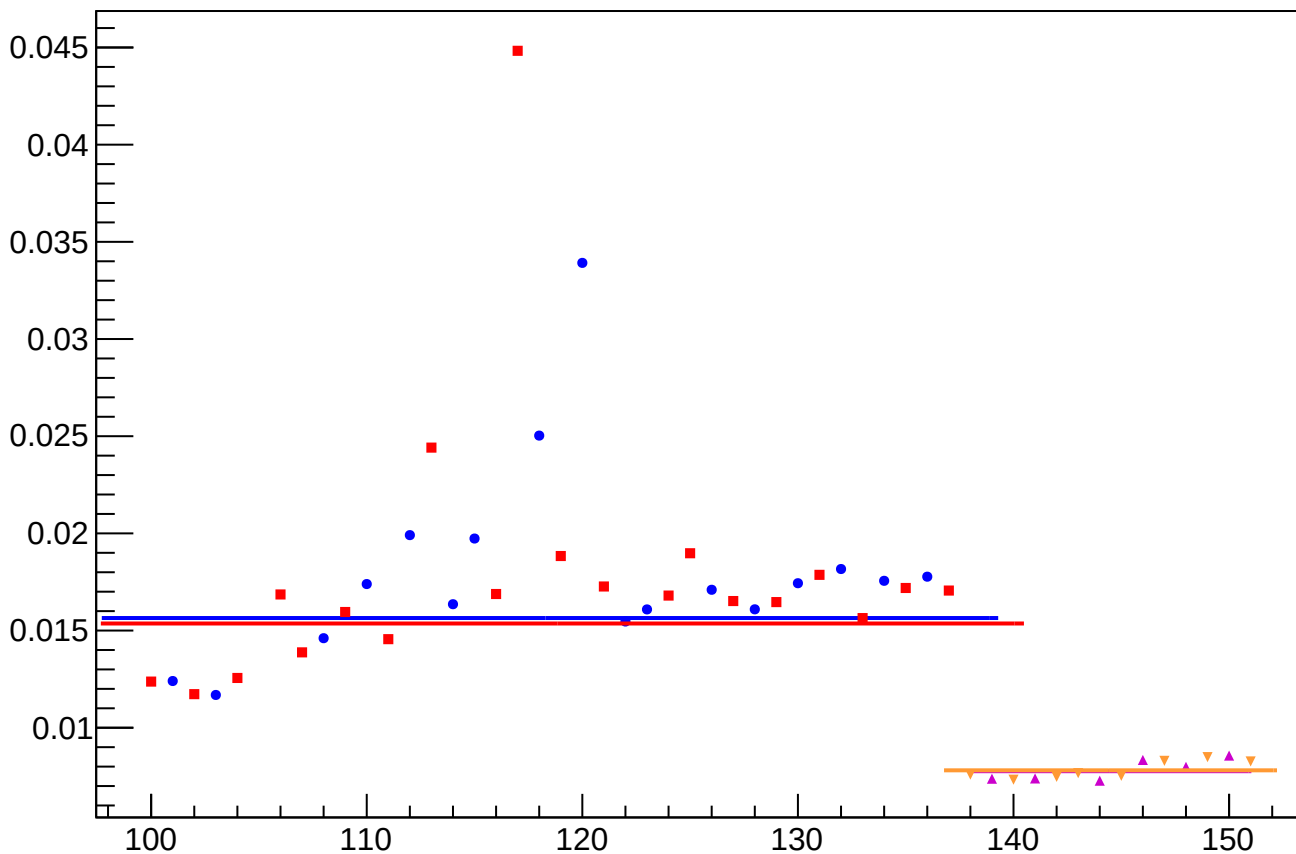
-2.682+/-0.000 χ^2/NDF : 195057749204.3/24

Right Out: -1.298+/-0.000 χ^2/NDF : 178085926993.4/19

-2.506+/-0.000 χ^2/NDF : 230192492454.1/25

Left In: -2.919+/-0.000 χ^2/NDF : 532877111.2/5

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 : 31505.9/7

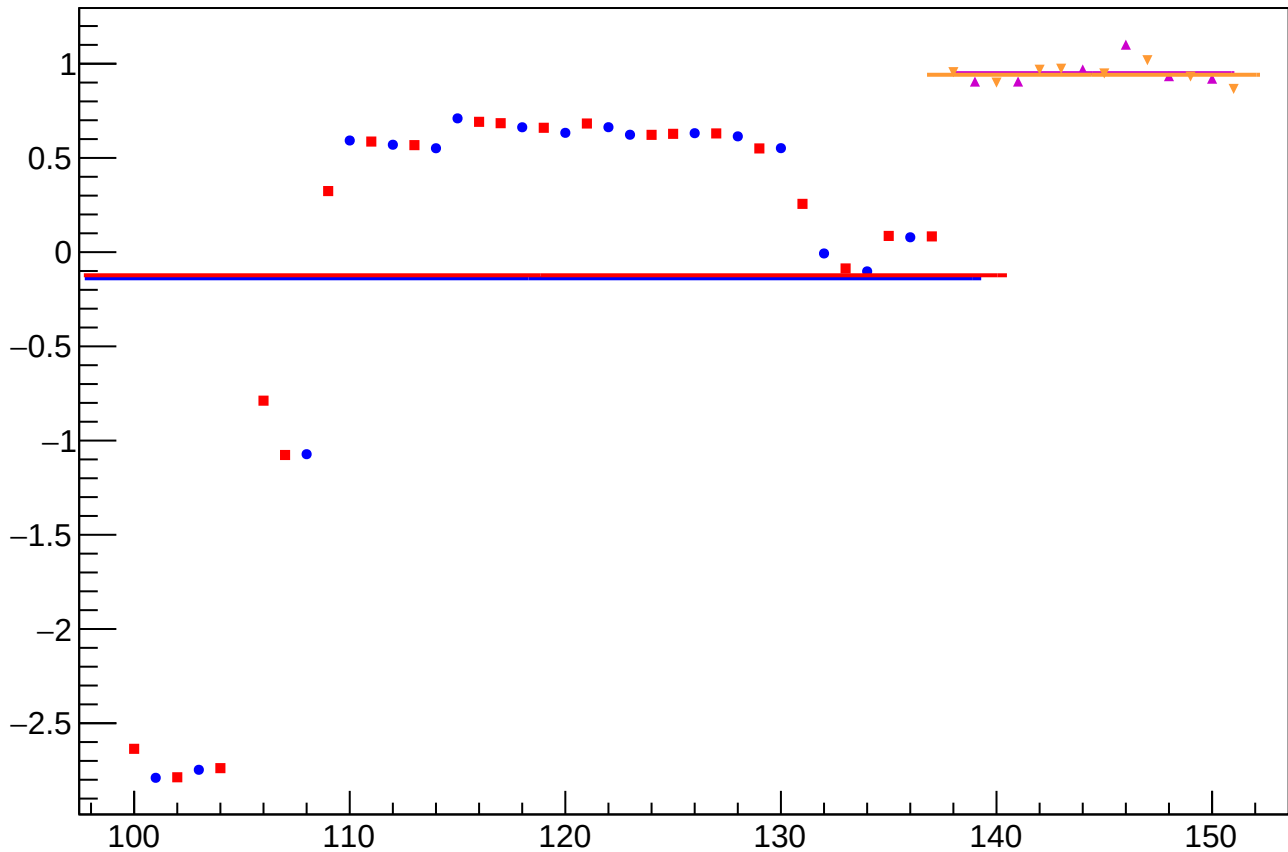
Right Out: 0.015+/-0.000 χ^2/NDF : 387283.2/19

Left In: 0.008+/-0.000 χ^2/NDF : 38325.5/5

0.009+/-0.000 χ^2/NDF : 2852313.3/24

0.010+/-0.000 χ^2/NDF : 2693720.6/25

yield_bpm0l04Y_mean vs Slug



Right In: -0.139+/-0.000 χ^2/NDF : 715049983856.2/16

0.048+/-0.000 χ^2/NDF : 818727834459.7/24

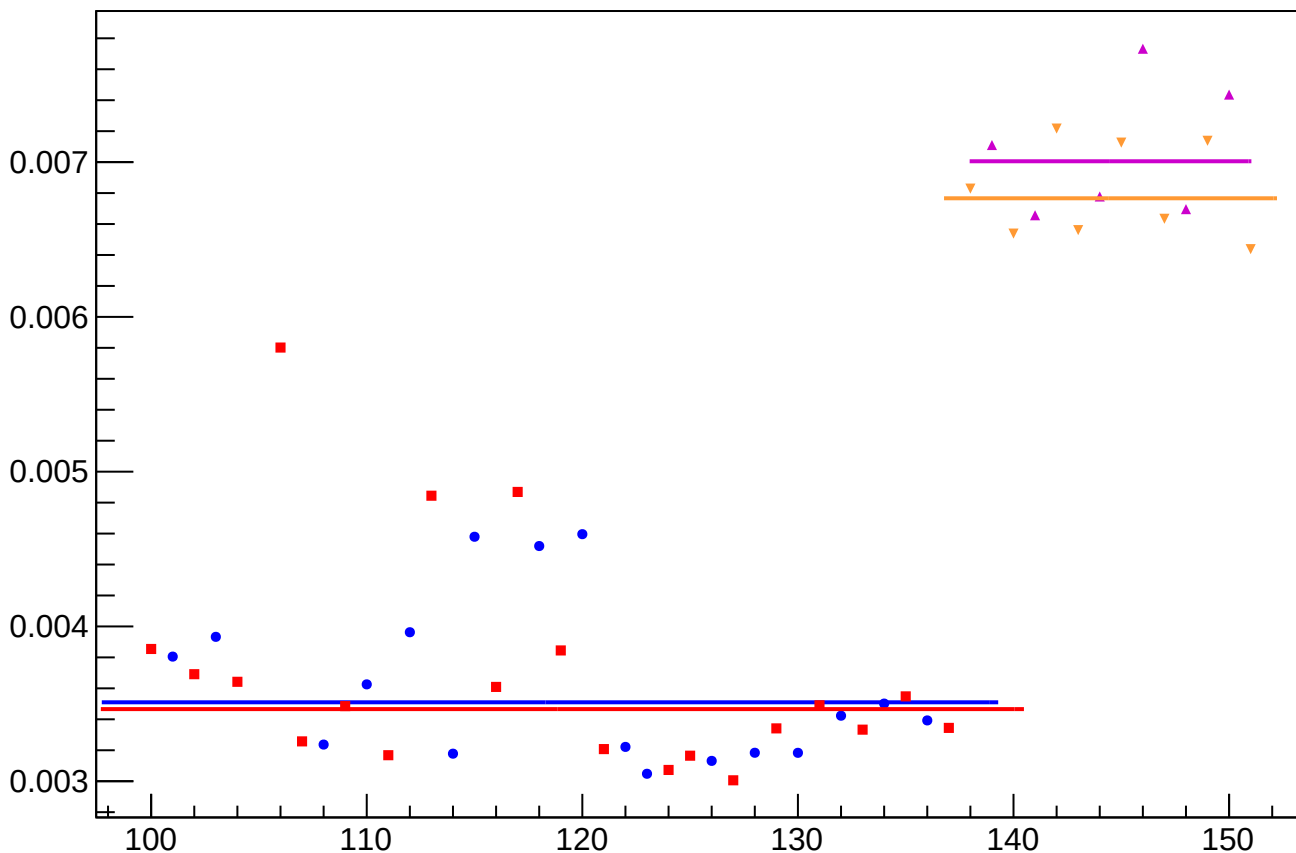
Left Out: 0.941+/-0.000 χ^2/NDF : 227687987.0/7

Right Out: -0.123+/-0.000 χ^2/NDF : 762580598699.5/19

0.020+/-0.000 χ^2/NDF : 849086544164.2/25

Left In: 0.950+/-0.000 χ^2/NDF : 326579357.9/5

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:16963.7/7

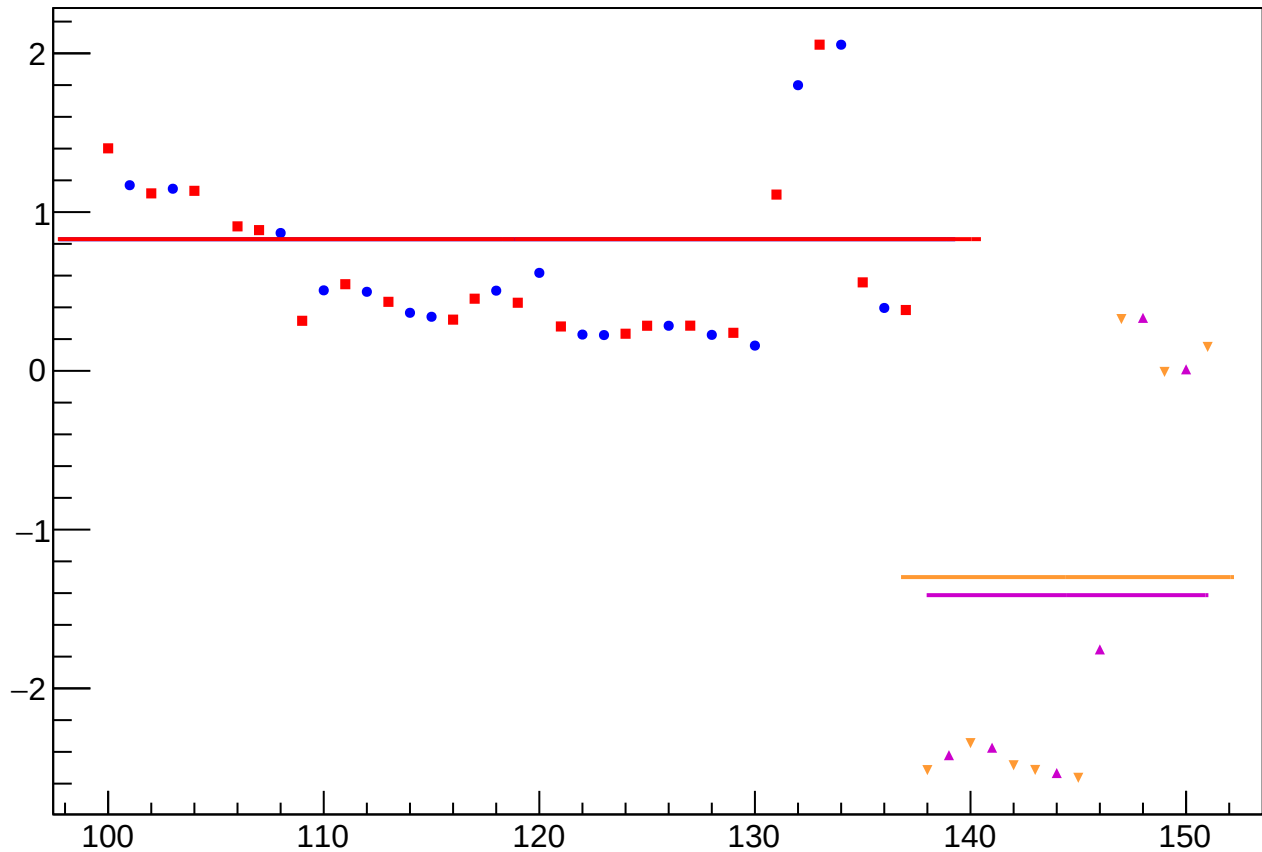
Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 222524.1/19

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:25713.7/5

0.004 $\pm$ 0.000 χ^2 /NDF: 2068708.8/24

0.004 $\pm$ 0.000 χ^2 /NDF: 2124820.4/25

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000 χ^2/NDF : 31718573821.2/16

Left Out: -1.299+/-0.000 χ^2/NDF : 225658556510.7/7

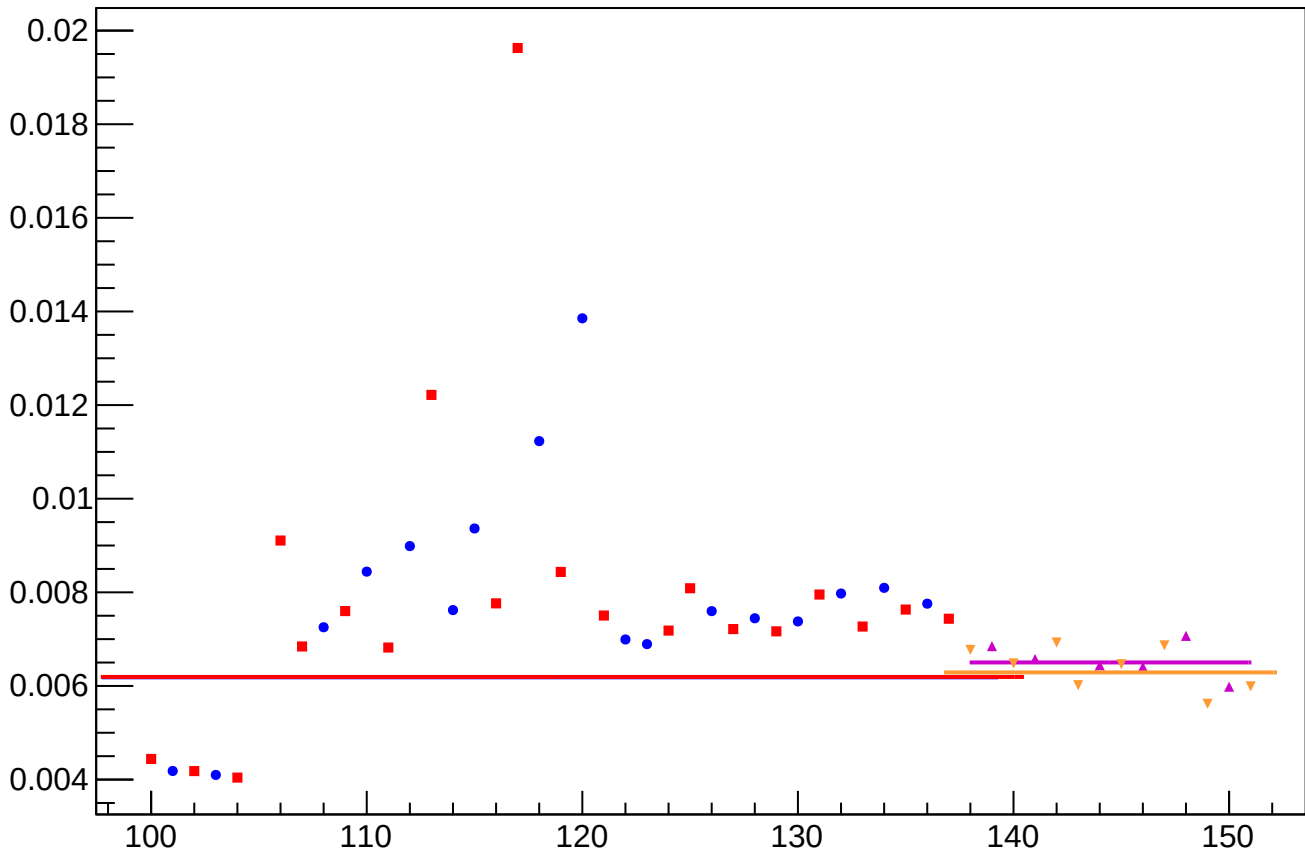
Right Out: 0.830+/-0.000 χ^2/NDF : 33349713412.0/19

Left In: -1.413+/-0.000 χ^2/NDF : 148127658451.4/5

-0.209+/-0.000 χ^2/NDF : 564338480841.2/24

-0.093+/-0.000 χ^2/NDF : 495857407335.4/25

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1228962.4/16

Left Out: 0.006+/-0.000 χ^2/NDF : 53545.6/7

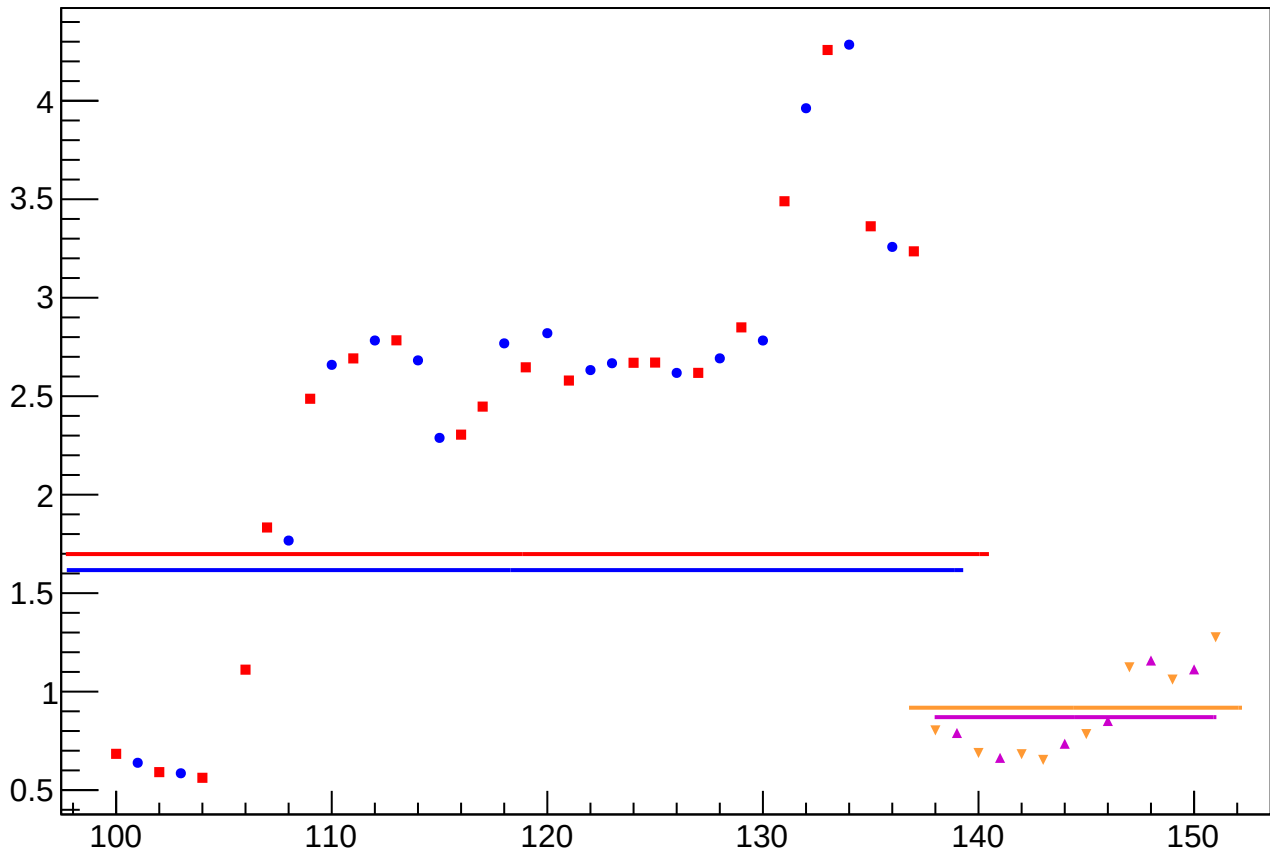
Right Out: 0.006+/-0.000 χ^2/NDF : 1062886.2/19

Left In: 0.007+/-0.000 χ^2/NDF : 25632.0/5

0.006+/-0.000 χ^2/NDF : 1283990.4/24

0.006+/-0.000 χ^2/NDF : 1100521.3/25

yield_bpm0l05Y_mean vs Slug



Right In: 1.617 $\pm$ 0.000 χ^2 /NDF: 202886791000.7/16

Left Out: 0.918 $\pm$ 0.000 χ^2 /NDF: 7538403508.0/7

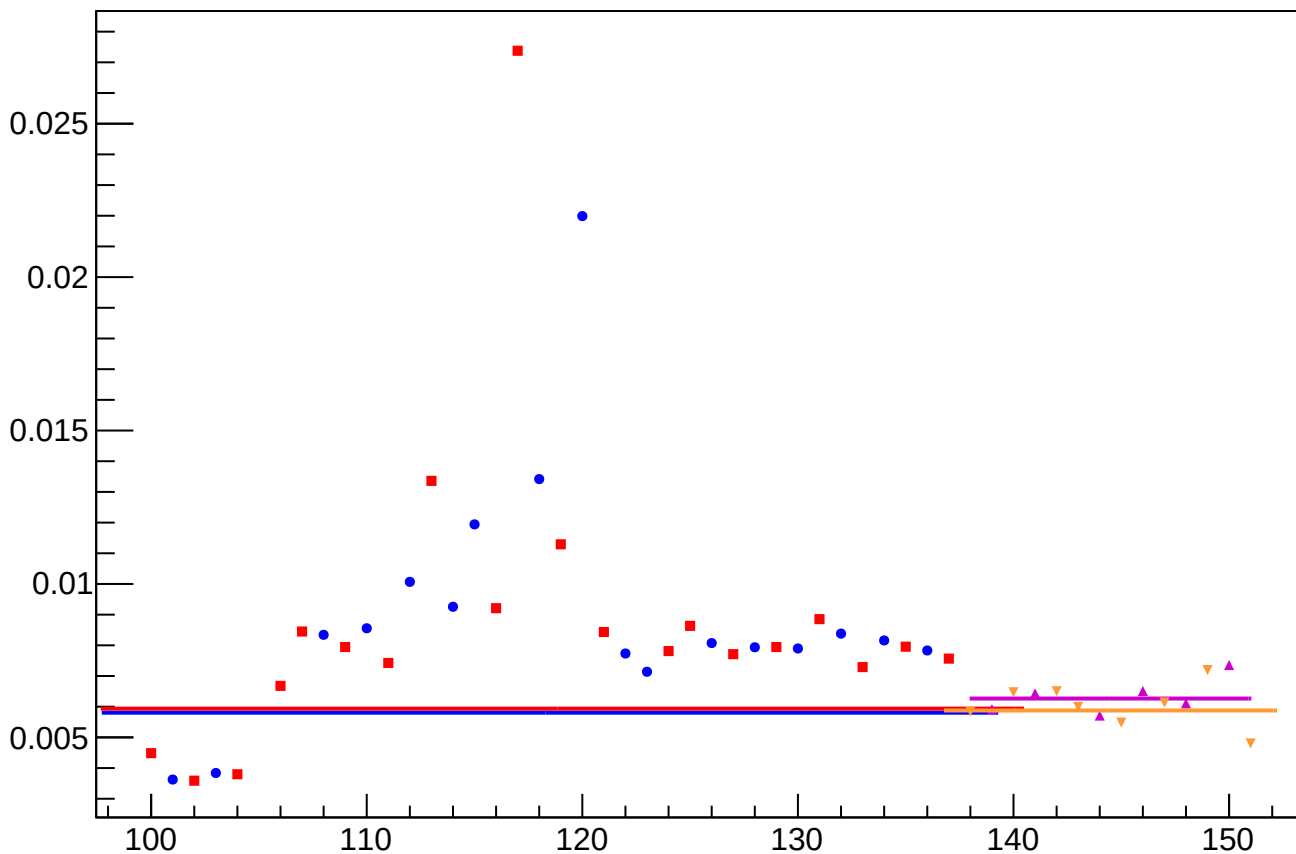
1.277 $\pm$ 0.000 χ^2 /NDF: 244484647084.6/24

Right Out: 1.698 $\pm$ 0.000 χ^2 /NDF: 227436227264.4/19

1.362 $\pm$ 0.000 χ^2 /NDF: 273496146083.4/25

Left In: 0.870 $\pm$ 0.000 χ^2 /NDF: 3625663921.2/5

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 :135237.1/7

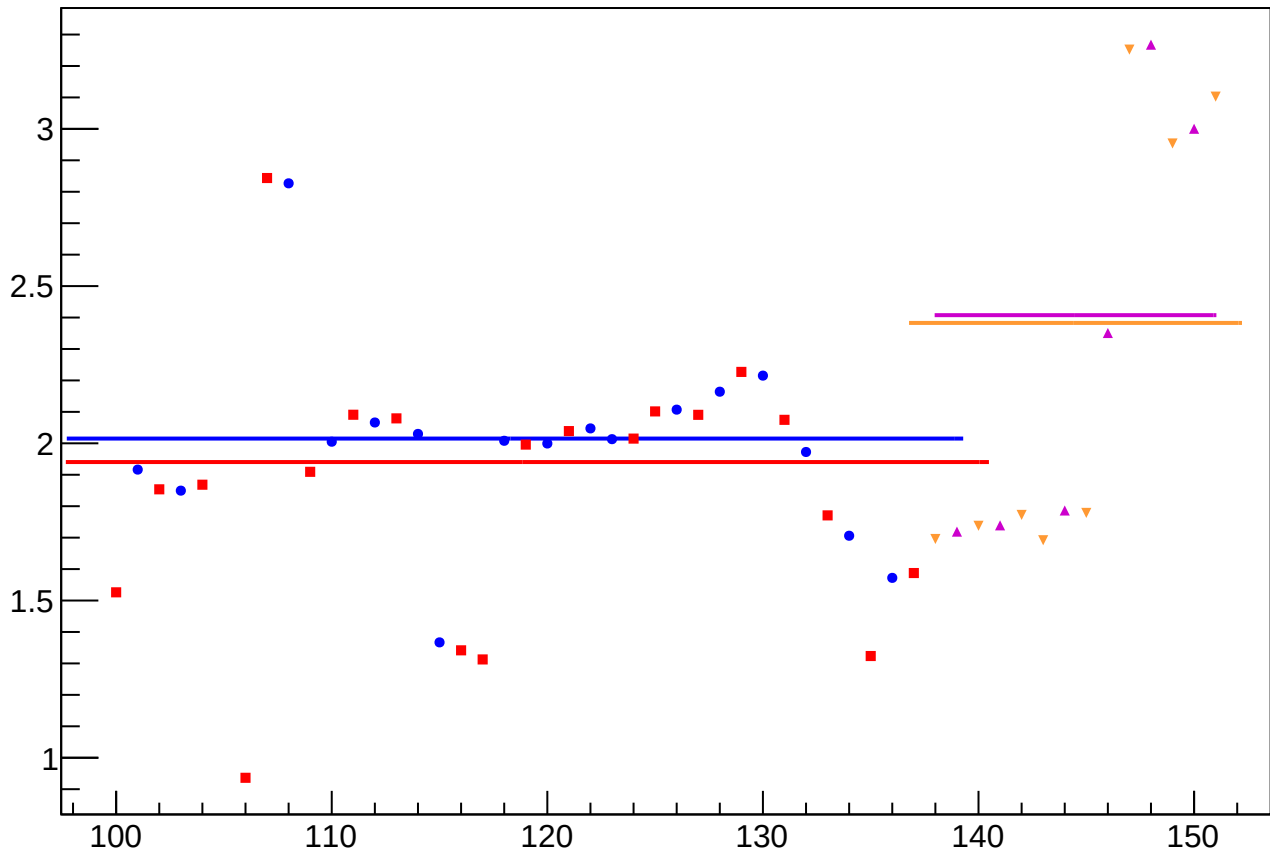
Right Out: 0.006+/-0.000 χ^2/NDF : 1731283.0/19

Left In: 0.006+/-0.000 χ^2/NDF :53948.3/5

0.006+/-0.000 χ^2/NDF : 2053918.4/24

0.006+/-0.000 χ^2/NDF : 1798601.7/25

yield_bpm0l06X_mean vs Slug



Right In: 2.015+/-0.000 χ^2/NDF : 12228403202.6/16

Left Out: 2.383+/-0.000 χ^2/NDF : 42170470232.6/7

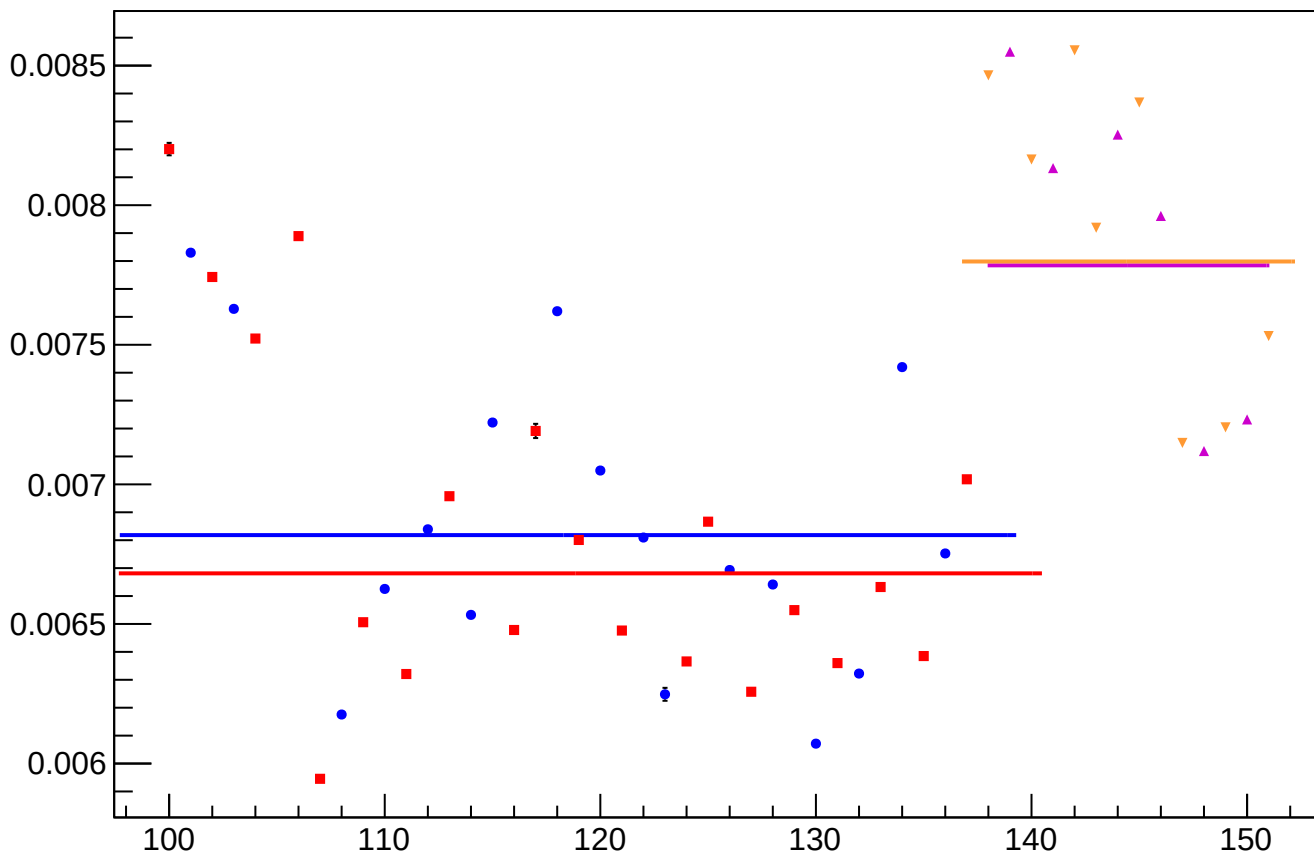
2.160+/-0.000 χ^2/NDF : 61678405655.9/24

Right Out: 1.940+/-0.000 χ^2/NDF : 21732099424.5/19

2.096+/-0.000 χ^2/NDF : 64173274324.1/25

Left In: 2.408+/-0.000 χ^2/NDF : 31315145679.9/5

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 : 49105.7/7

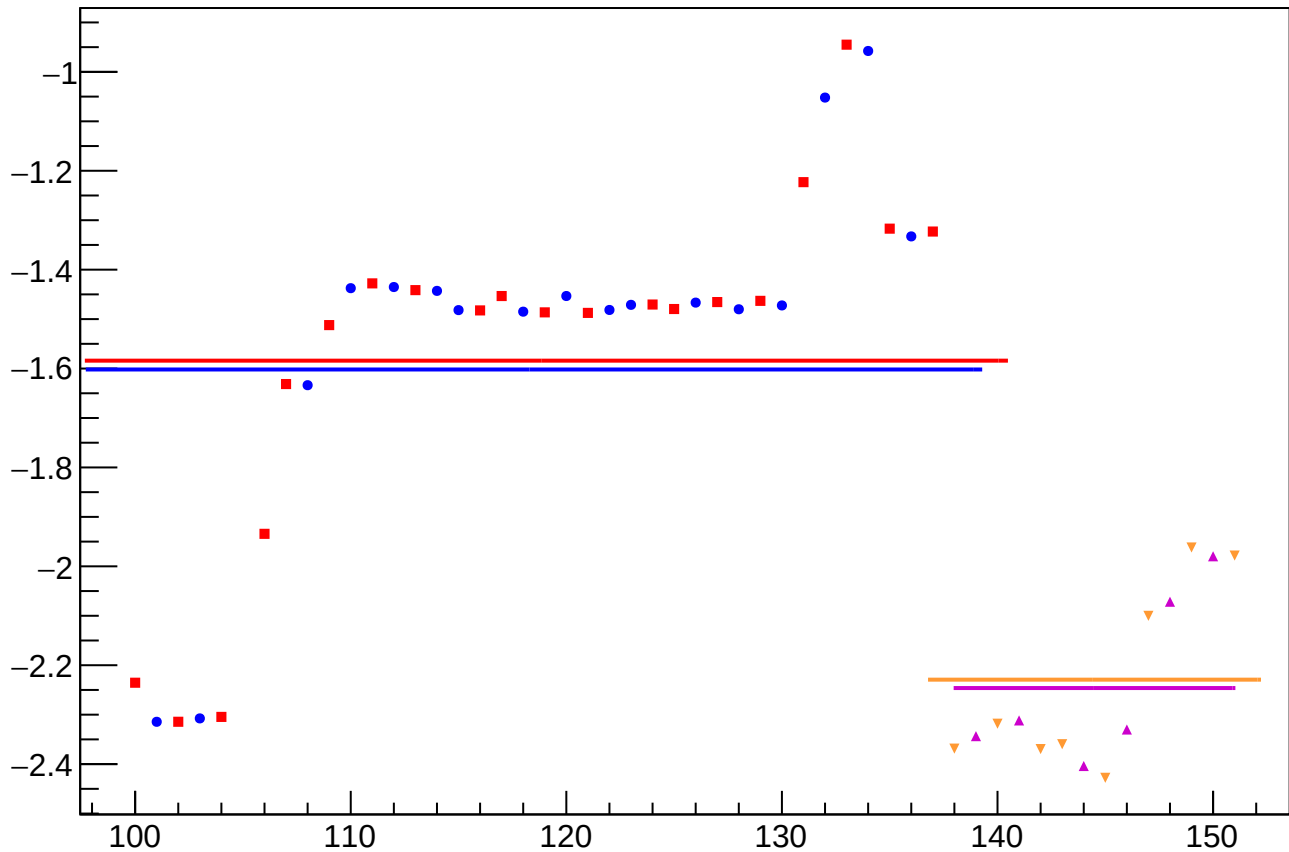
Right Out: 0.007+/-0.000 χ^2/NDF : 76121.2/19

Left In: 0.008+/-0.000 χ^2/NDF : 42558.4/5

0.007+/-0.000 χ^2/NDF : 228313.9/24

0.007+/-0.000 χ^2/NDF : 242805.1/25

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -2.229+/-0.000 χ^2/NDF : 19999423727.1/7

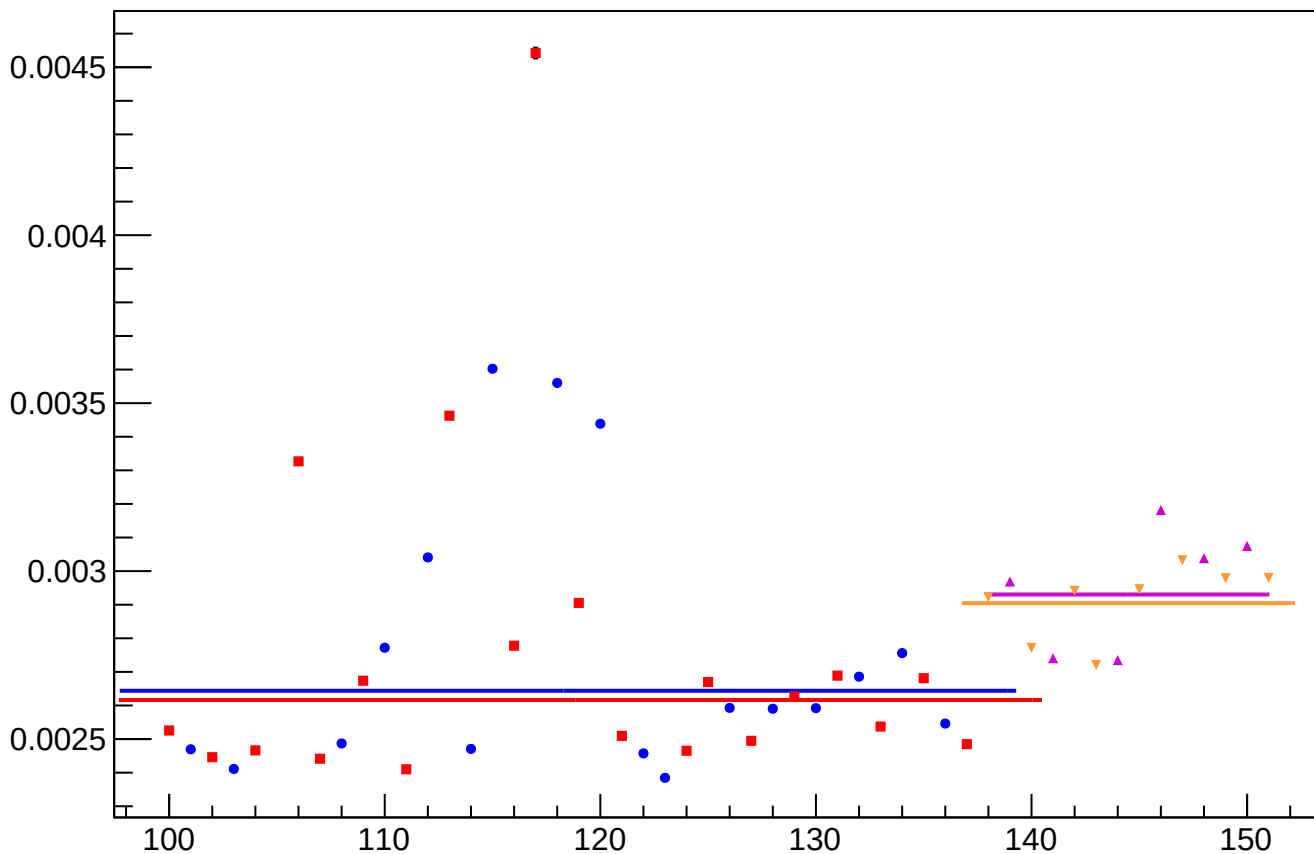
-1.858+/-0.000 χ^2/NDF : 304755721179.2/24

Right Out: -1.584+/-0.000 χ^2/NDF : 143612120137.8/19

-1.814+/-0.000 χ^2/NDF : 305985014216.3/25

Left In: -2.246+/-0.000 χ^2/NDF : 12796369626.8/5

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 :13847.9/7

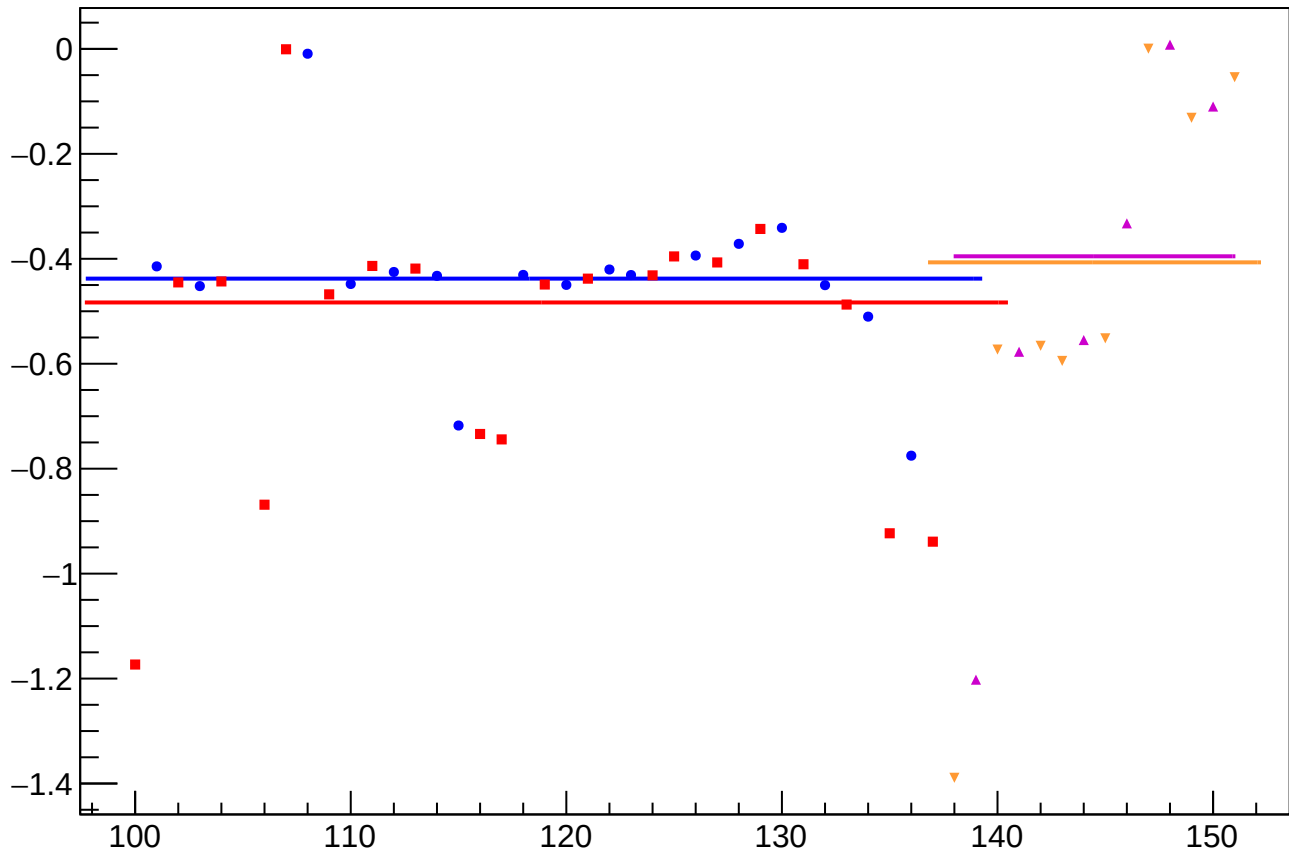
Right Out: 0.003+/-0.000 χ^2/NDF : 119852.1/19

Left In: 0.003+/-0.000 χ^2/NDF :30398.7/5

0.003+/-0.000 χ^2/NDF : 215238.4/24

0.003+/-0.000 χ^2/NDF : 217531.5/25

yield_bpm0l07X_mean vs Slug



Right In: -0.438 ± 0.000 $\chi^2/\text{NDF}: 1462454117.6/16$

Left Out: -0.407 ± 0.000 $\chi^2/\text{NDF}: 5429830148.8/7$

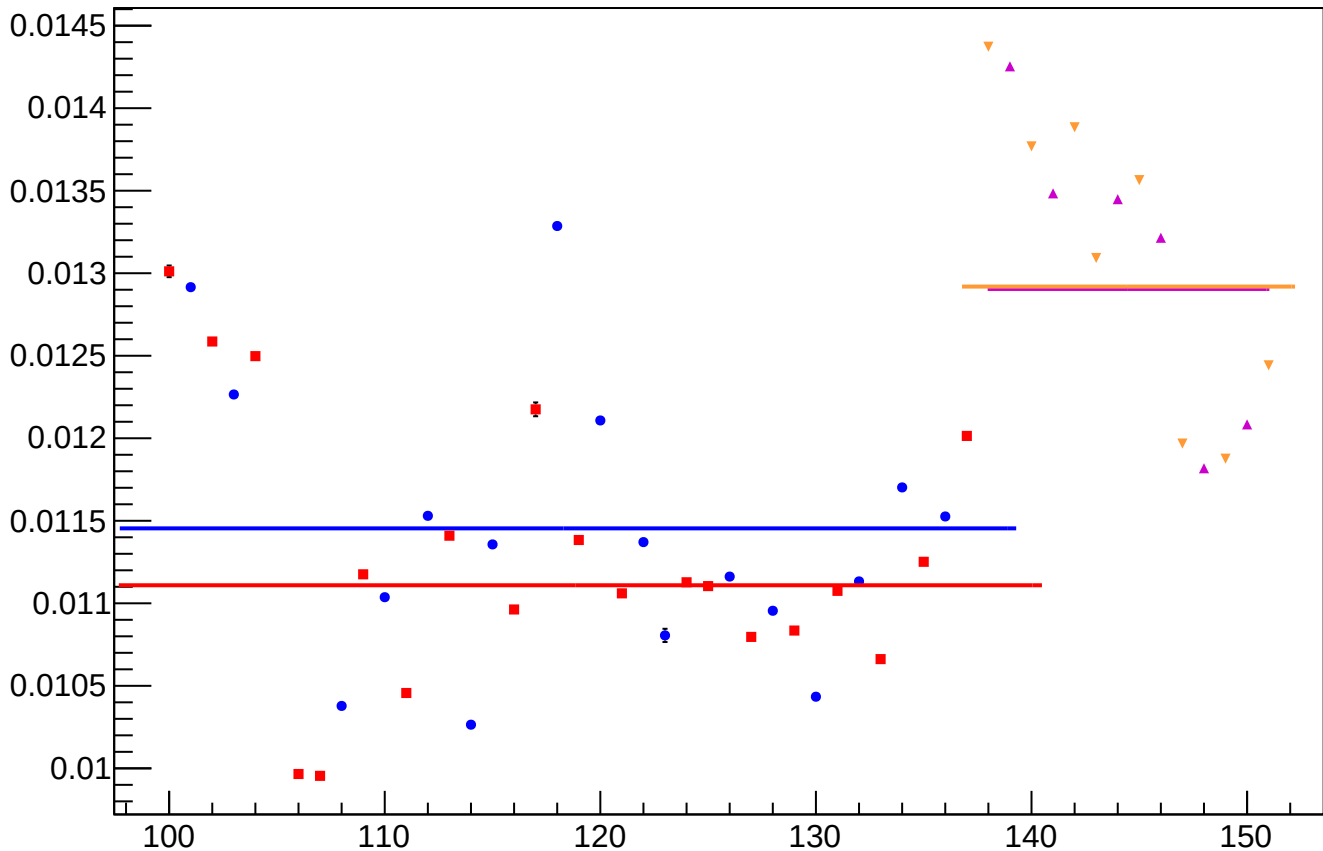
Right Out: -0.483 ± 0.000 $\chi^2/\text{NDF}: 2714164016.2/19$

Left In: -0.395 ± 0.000 $\chi^2/\text{NDF}: 3725574863.0/5$

-0.425 ± 0.000 $\chi^2/\text{NDF}: 6911096554.7/24$

-0.454 ± 0.000 $\chi^2/\text{NDF}: 6583026323.7/25$

yield_bpm0l07X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 64687.8/16

Left Out: 0.013+/-0.000 χ^2/NDF : 50400.0/7

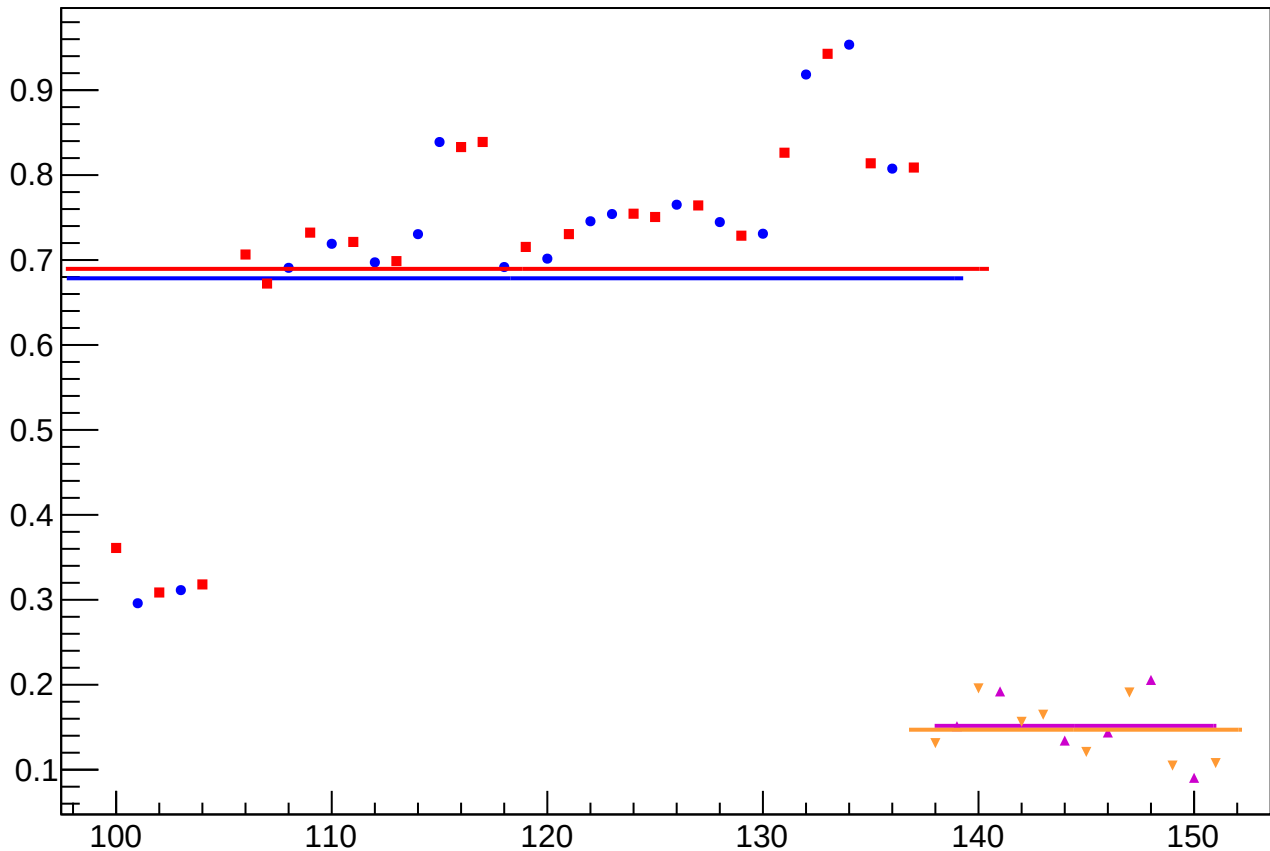
Right Out: 0.011+/-0.000 χ^2/NDF : 56696.9/19

Left In: 0.013+/-0.000 χ^2/NDF : 38752.6/5

0.012+/-0.000 χ^2/NDF : 199117.4/24

0.012+/-0.000 χ^2/NDF : 214754.3/25

yield_bpm0l07Y_mean vs Slug



Right In: 0.678+/-0.000 χ^2/NDF : 38506442638.3/16

Left Out: 0.147+/-0.000 χ^2/NDF : 1454457783.2/7

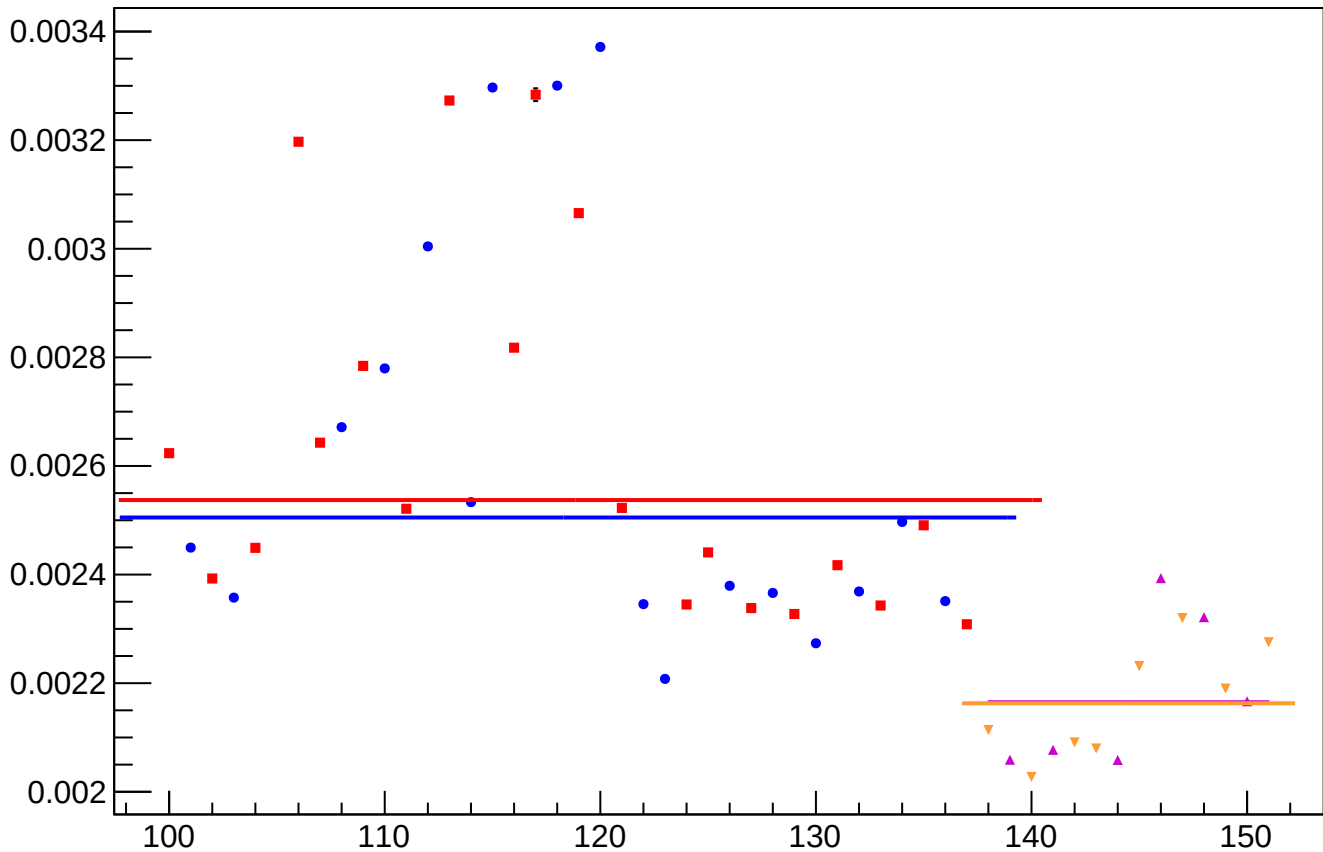
0.389+/-0.000 χ^2/NDF : 196006588983.3/24

Right Out: 0.690+/-0.000 χ^2/NDF : 35439496983.3/19

0.424+/-0.000 χ^2/NDF : 186748505578.3/25

Left In: 0.152+/-0.000 χ^2/NDF : 1503189536.0/5

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 :23438.5/7

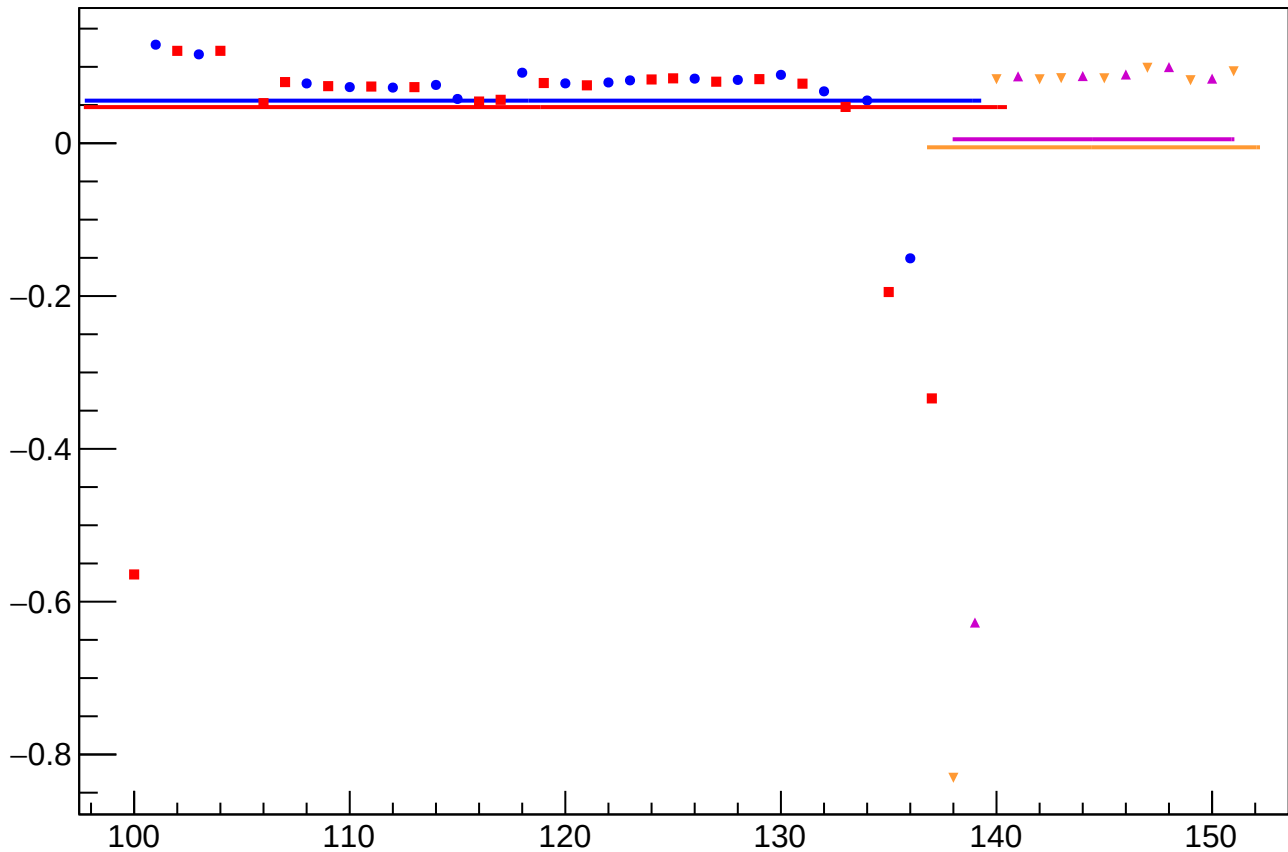
Right Out: 0.003+/-0.000 χ^2/NDF : 135649.7/19

Left In: 0.002+/-0.000 χ^2/NDF :32849.5/5

0.002+/-0.000 χ^2/NDF : 328311.0/24

0.002+/-0.000 χ^2/NDF : 311981.0/25

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.005+/-0.000 χ^2/NDF : 3069058651.3/7

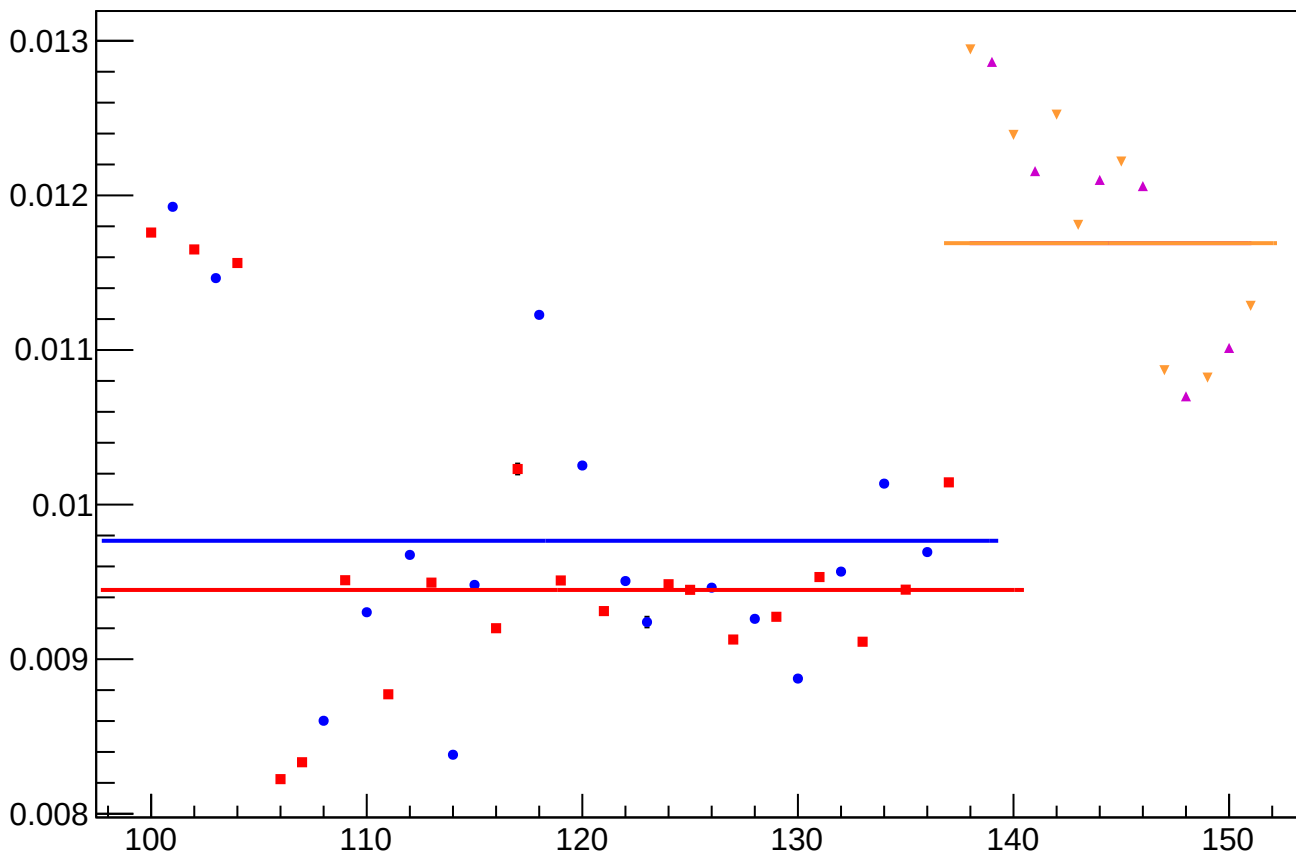
Right Out: 0.047+/-0.000 χ^2/NDF : 819626031.7/19

Left In: 0.005+/-0.000 χ^2/NDF : 1799187696.0/5

0.033+/-0.000 χ^2/NDF : 3585263785.5/24

0.035+/-0.000 χ^2/NDF : 2660284724.2/25

yield_bpm0l08X_rms vs Slug



Right In: 0.010 ± 0.000 $\chi^2/\text{NDF}: 116638.3/16$

Left Out: 0.012 ± 0.000 $\chi^2/\text{NDF}: 44339.0/7$

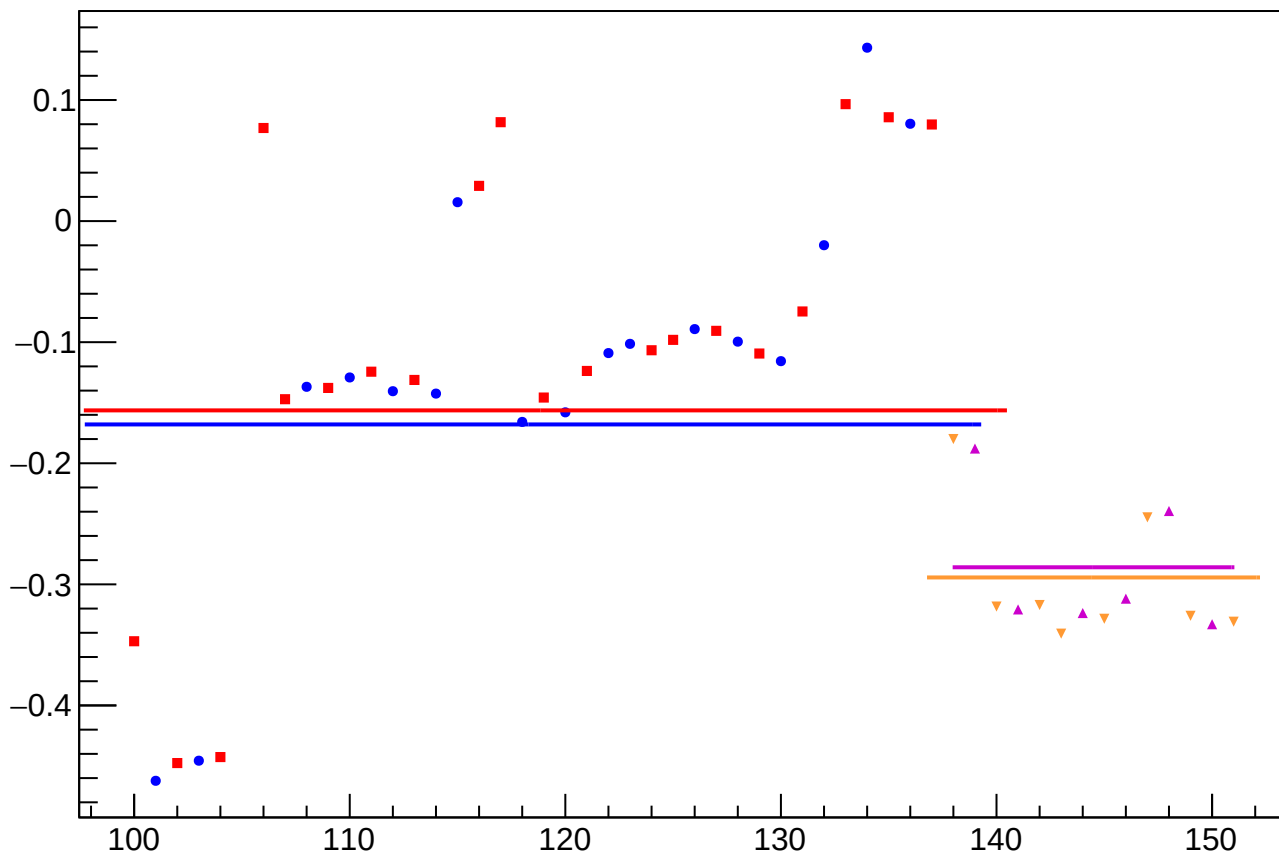
Right Out: 0.009 ± 0.000 $\chi^2/\text{NDF}: 111197.0/19$

Left In: 0.012 ± 0.000 $\chi^2/\text{NDF}: 35924.6/5$

0.010 ± 0.000 $\chi^2/\text{NDF}: 346239.9/24$

0.010 ± 0.000 $\chi^2/\text{NDF}: 382745.9/25$

yield_bpm0l08Y_mean vs Slug



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.294+/-0.000 χ^2/NDF : 1924893847.7/7

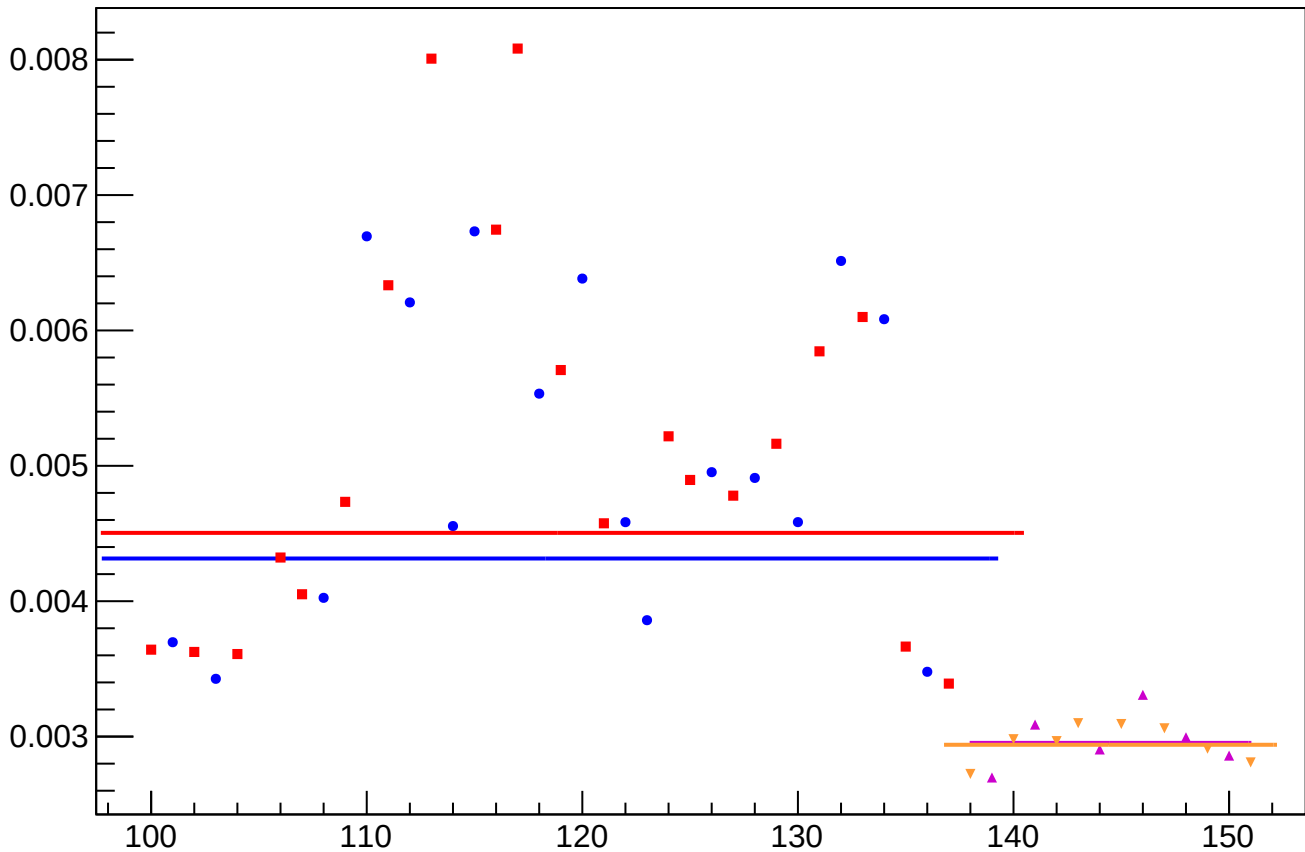
Right Out: -0.156+/-0.000 χ^2/NDF : 11061140252.3/19

Left In: -0.286+/-0.000 χ^2/NDF : 1557697899.8/5

-0.252+/-0.000 χ^2/NDF : 17568506002.9/24

-0.238+/-0.000 χ^2/NDF : 15859632439.5/25

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 : 21422.7/7

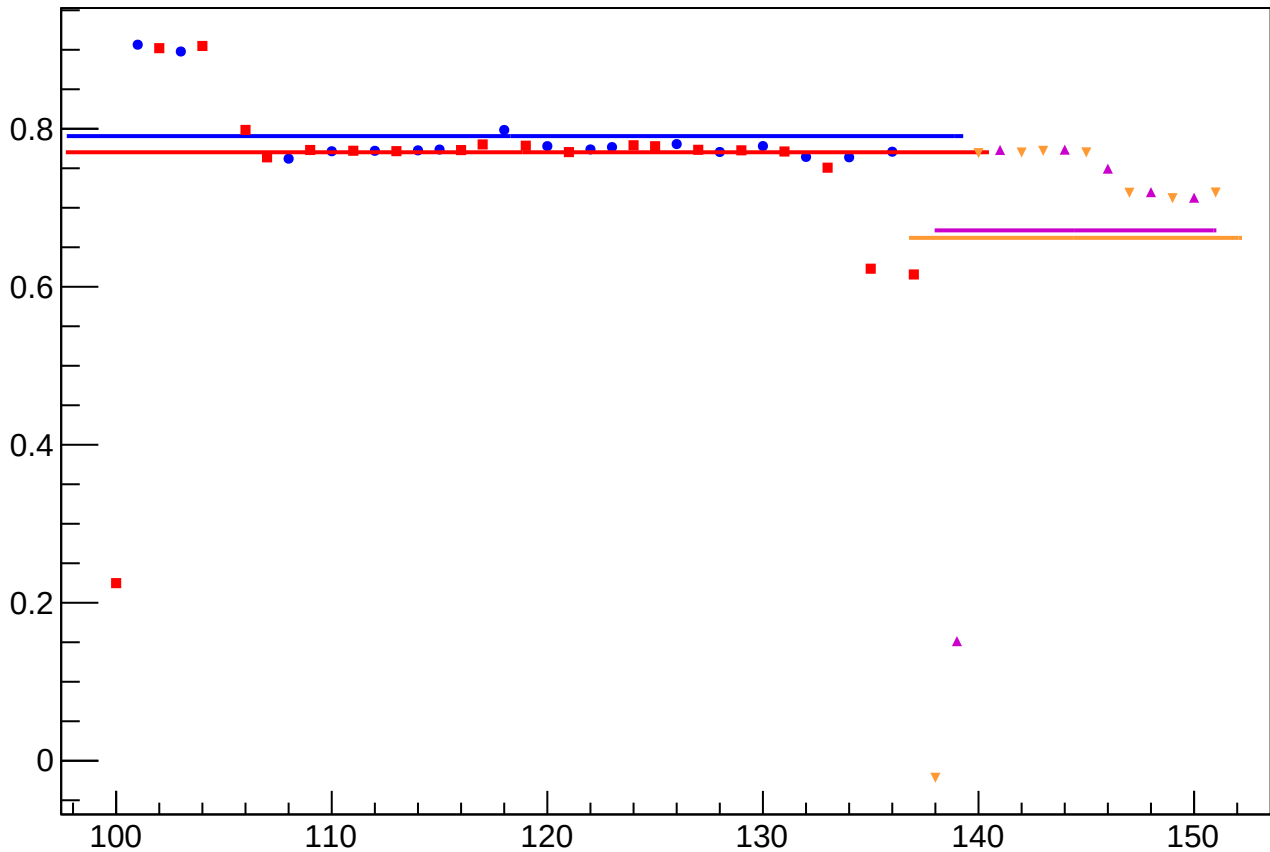
Right Out: 0.005+/-0.000 χ^2/NDF : 665152.6/19

Left In: 0.003+/-0.000 χ^2/NDF : 33672.7/5

0.003+/-0.000 χ^2/NDF : 1426452.5/24

0.004+/-0.000 χ^2/NDF : 1627917.0/25

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106705767.1/16

Left Out: 0.662 $\pm$ 0.000 χ^2 /NDF: 2329271888.8/7

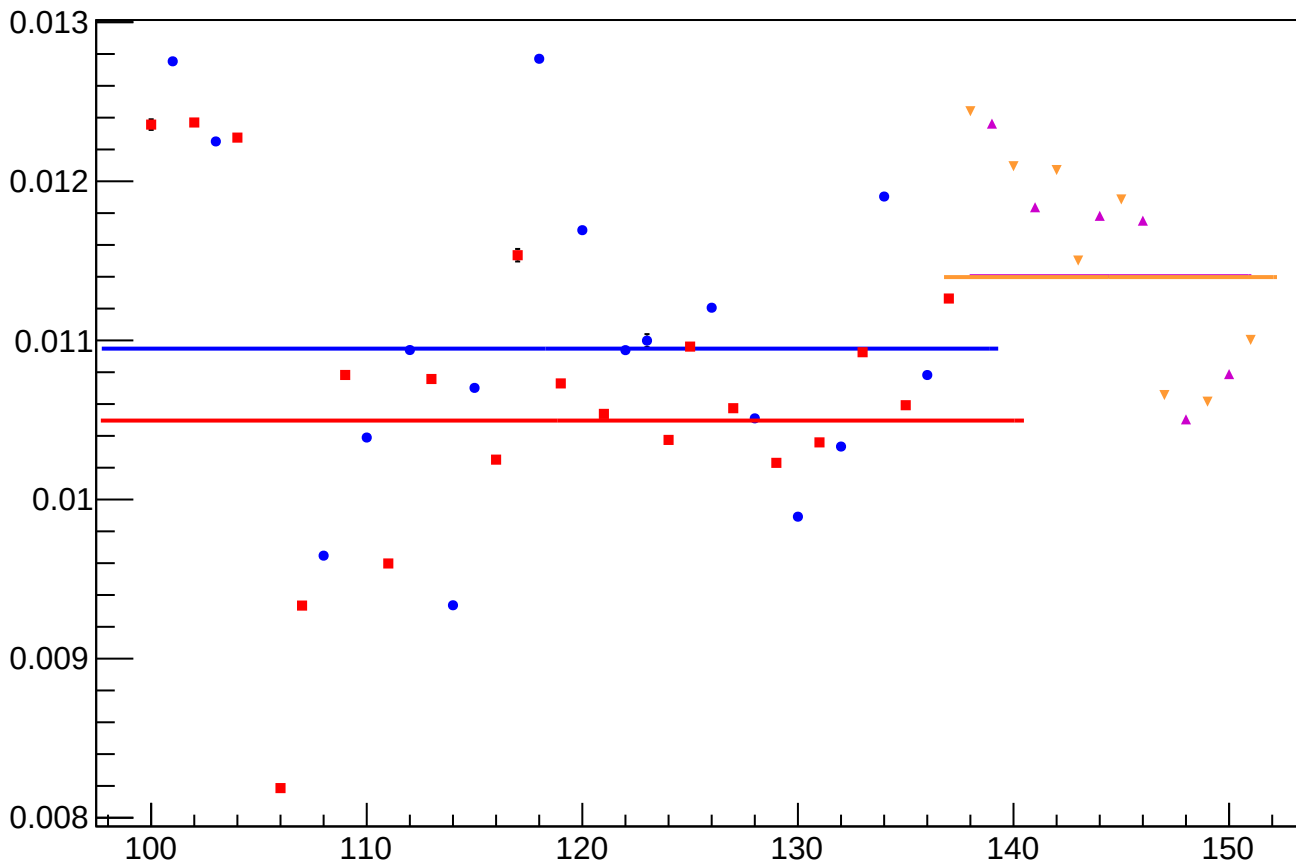
Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375473971.0/19

Left In: 0.671 $\pm$ 0.000 χ^2 /NDF: 1348842945.2/5

0.734 $\pm$ 0.000 χ^2 /NDF: 2828011812.0/24

0.735 $\pm$ 0.000 χ^2 /NDF: 1946437159.0/25

yield_bpm0l09X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 98551.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:37362.6/7

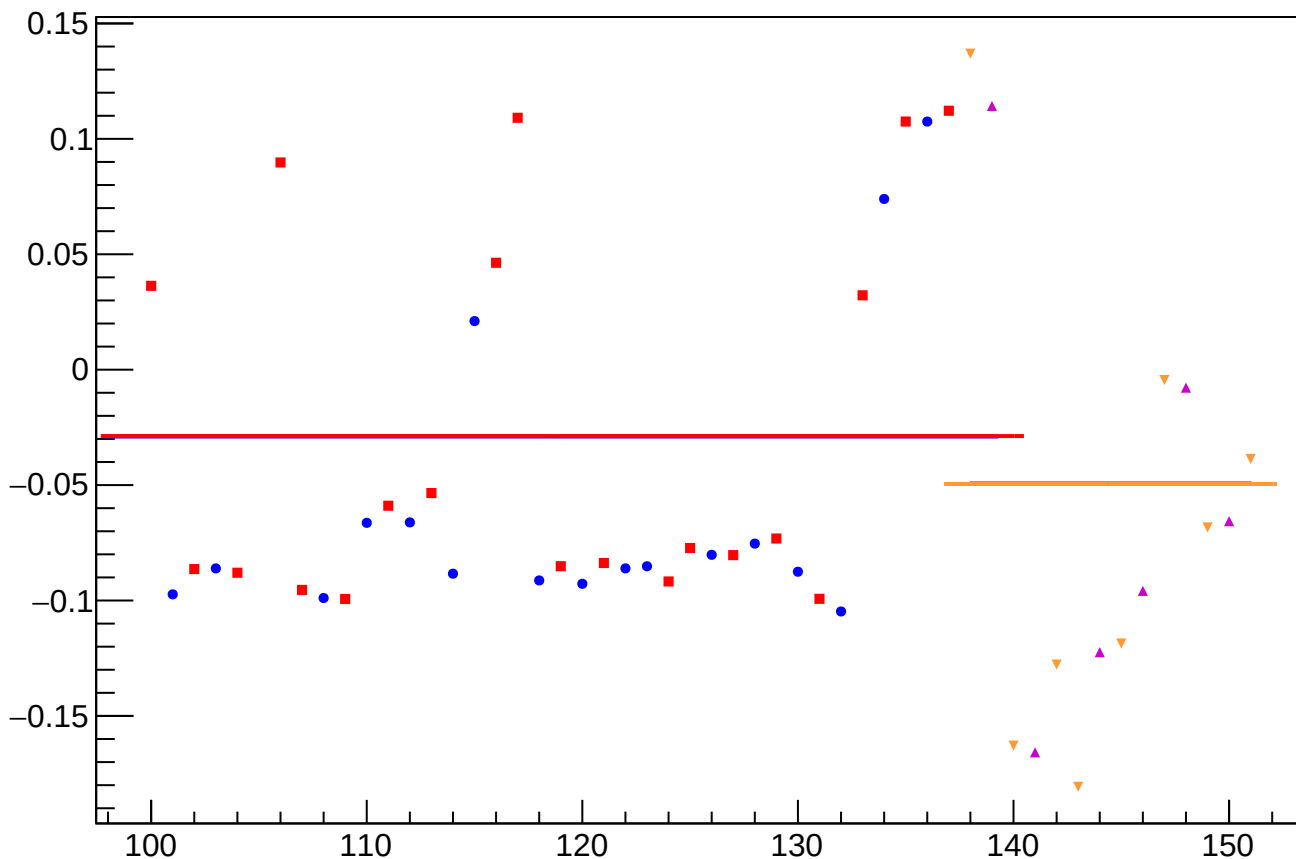
Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 120120.6/19

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:29891.9/5

0.011 $\pm$ 0.000 χ^2 /NDF: 145464.4/24

0.011 $\pm$ 0.000 χ^2 /NDF: 187419.4/25

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.050+/-0.000 χ^2/NDF : 4752591899.0/7

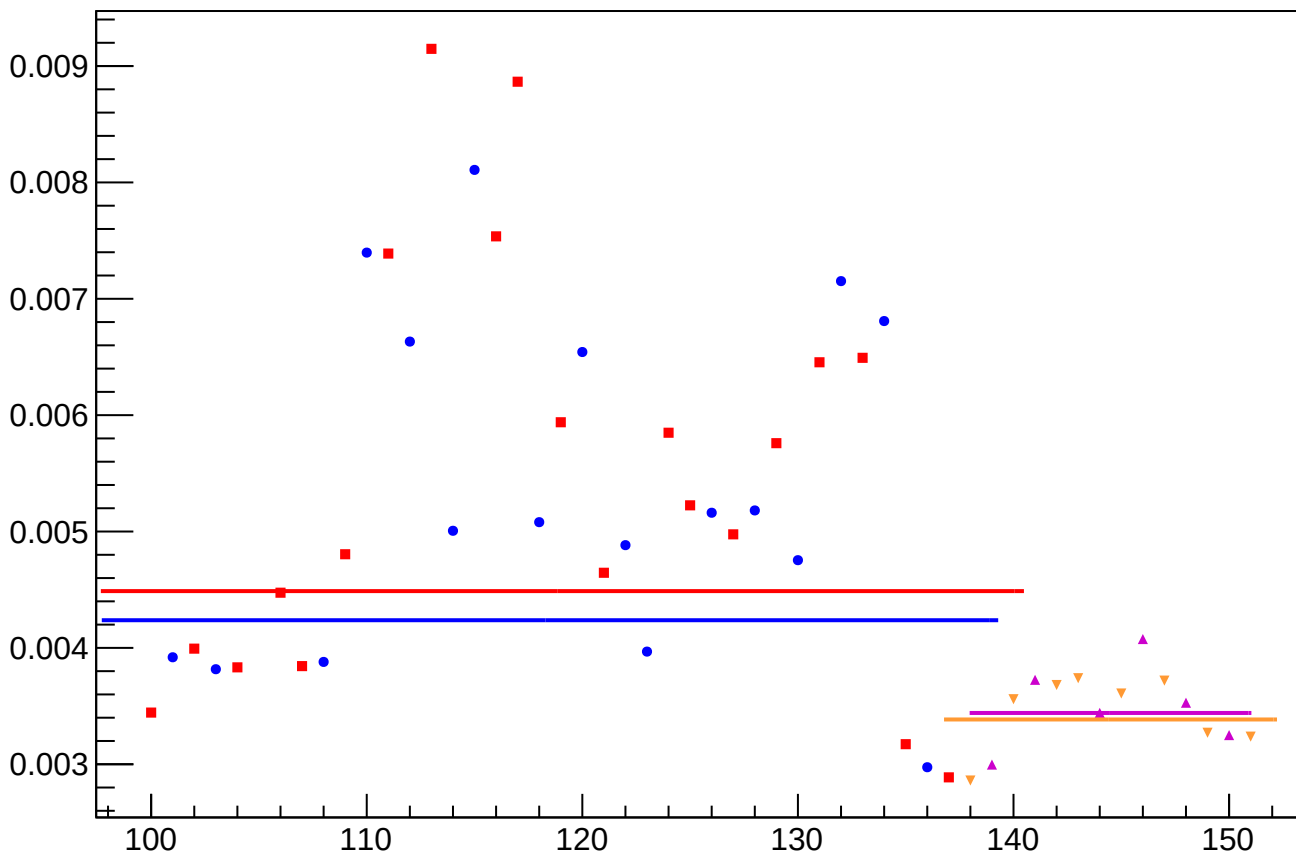
Right Out: -0.029+/-0.000 χ^2/NDF : 2122918772.1/19

Left In: -0.049+/-0.000 χ^2/NDF : 3194803225.3/5

-0.041+/-0.000 χ^2/NDF : 7275353112.8/24

-0.040+/-0.000 χ^2/NDF : 5386057329.4/25

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 : 85127.2/7

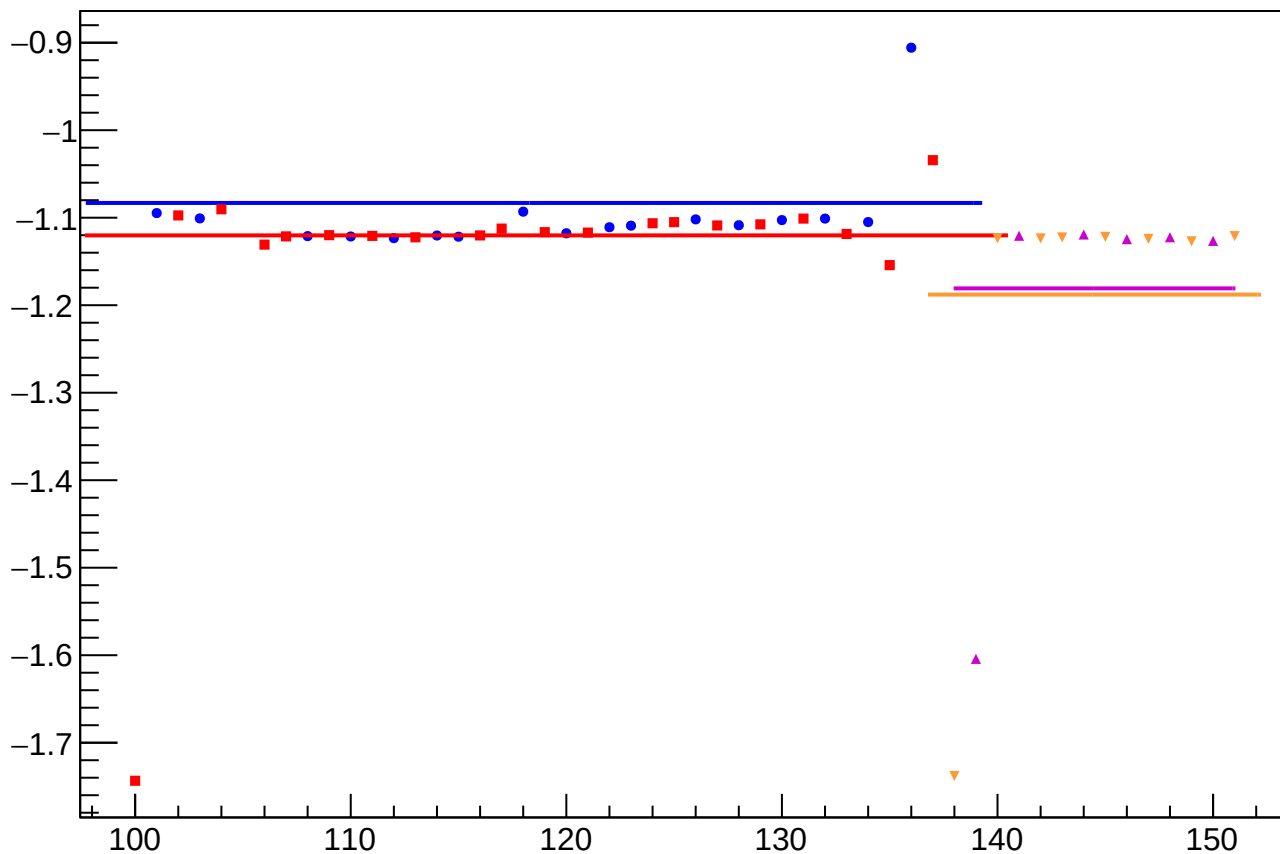
Right Out: 0.004+/-0.000 χ^2/NDF : 1003473.4/19

Left In: 0.003+/-0.000 χ^2/NDF : 75839.8/5

0.004+/-0.000 χ^2/NDF : 1230909.9/24

0.004+/-0.000 χ^2/NDF : 1435416.0/25

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2/NDF : 202920901.6/16

Left Out: -1.188+/-0.000 χ^2/NDF : 1863953608.4/7

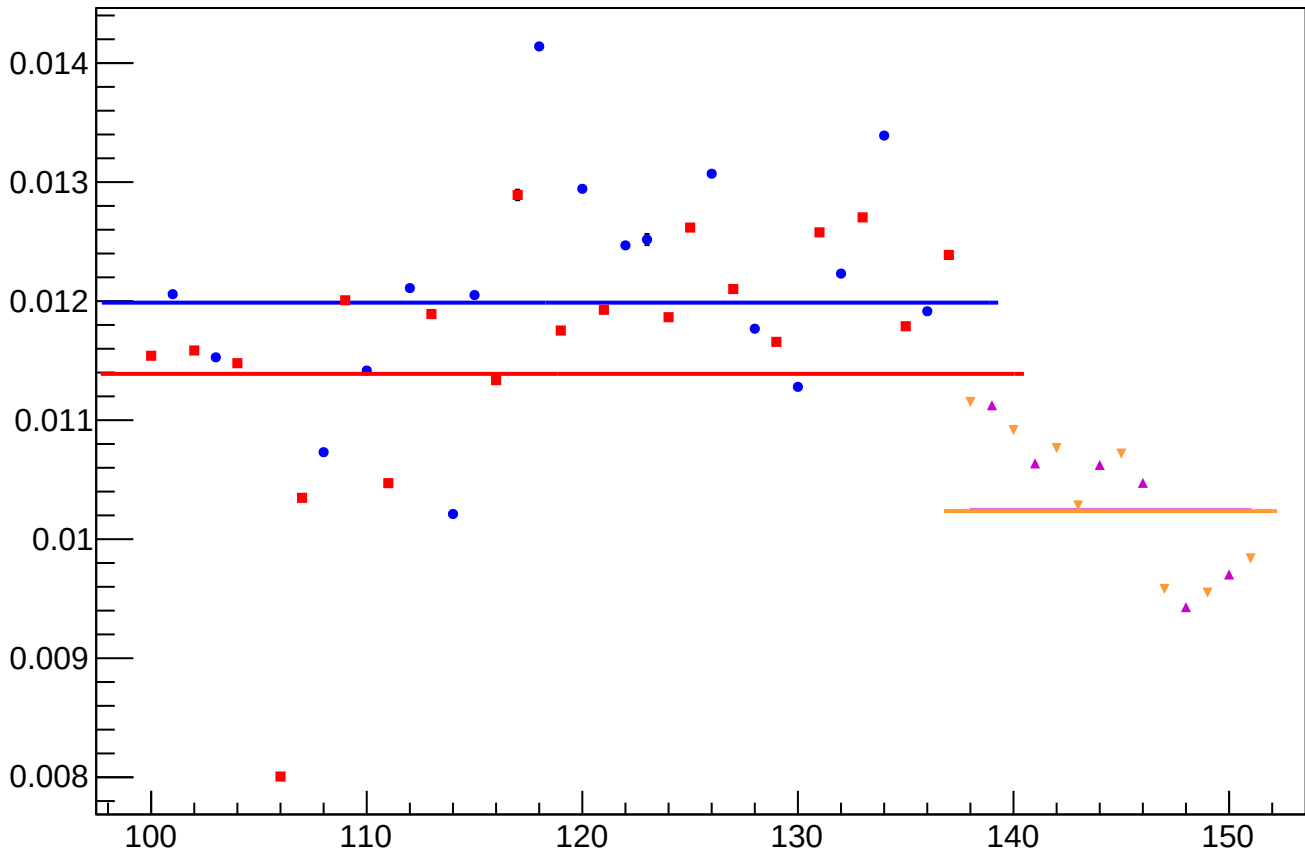
Right Out: -1.120+/-0.000 χ^2/NDF : 220586820.0/19

Left In: -1.181+/-0.000 χ^2/NDF : 1089854862.2/5

-1.140+/-0.000 χ^2/NDF : 2332336765.7/24

-1.148+/-0.000 χ^2/NDF : 1399160288.8/25

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 60402.0/16

Left Out: 0.010+/-0.000 χ^2/NDF : 37721.9/7

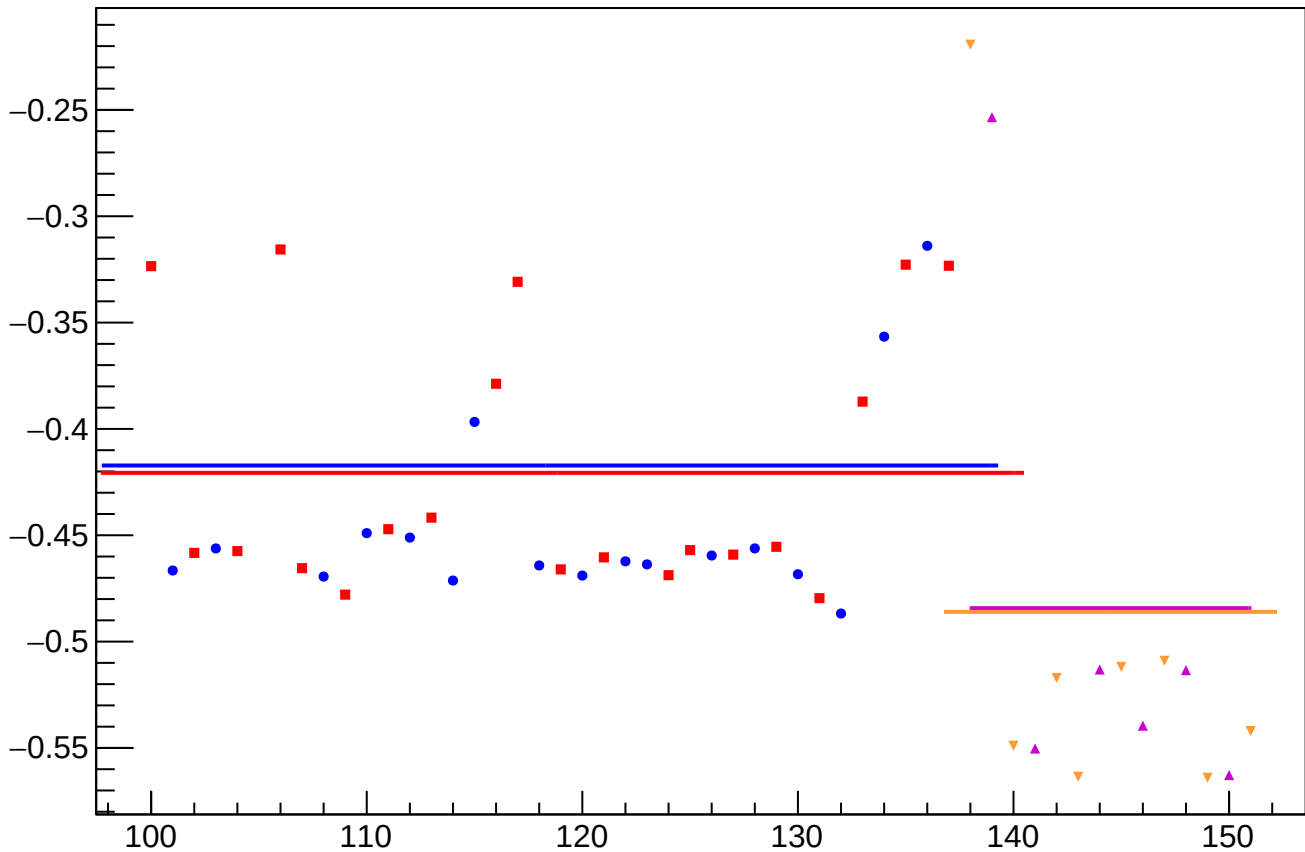
Right Out: 0.011+/-0.000 χ^2/NDF : 155700.3/19

Left In: 0.010+/-0.000 χ^2/NDF : 30211.0/5

0.011+/-0.000 χ^2/NDF : 246595.0/24

0.011+/-0.000 χ^2/NDF : 249566.6/25

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.486+/-0.000 χ^2/NDF : 5304877980.4/7

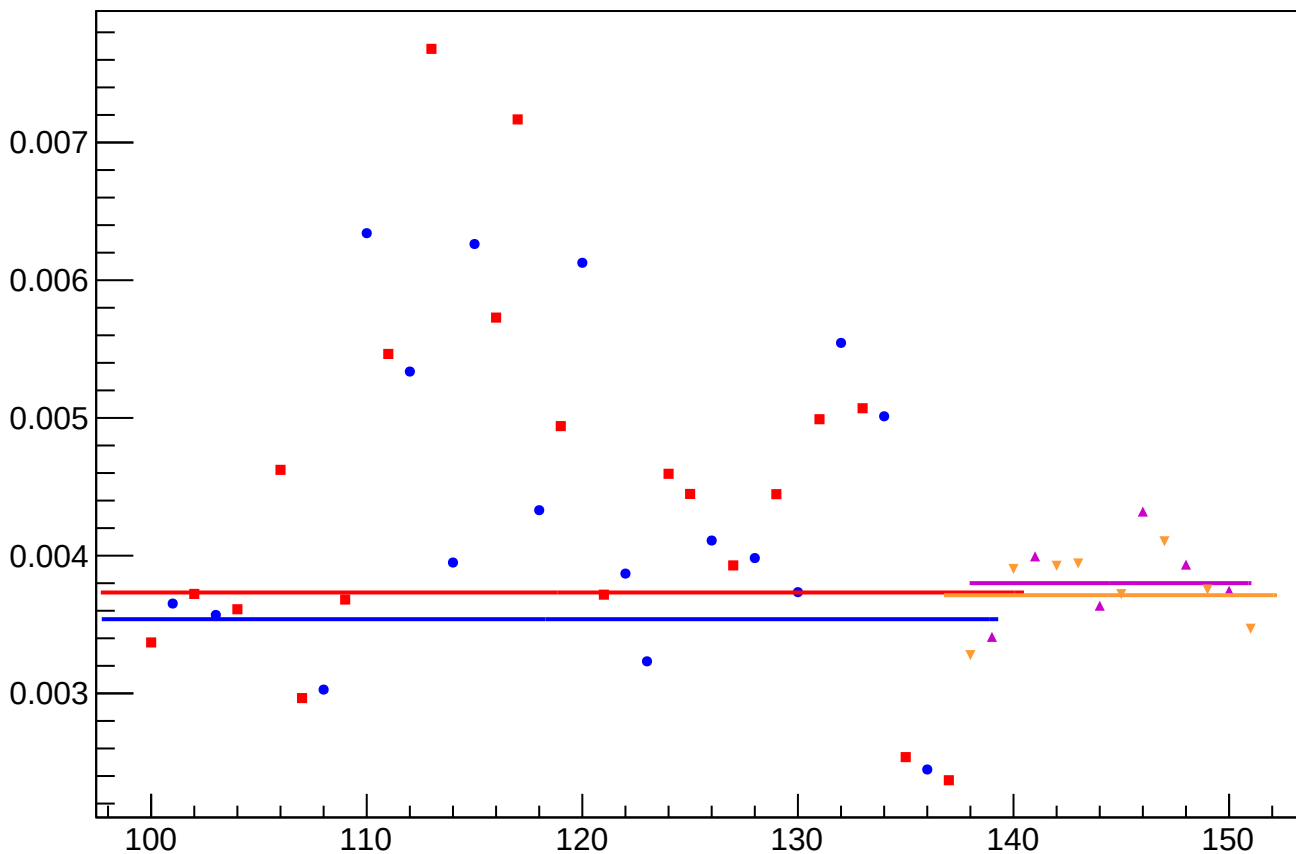
Right Out: -0.421+/-0.000 χ^2/NDF : 1652792044.5/19

Left In: -0.484+/-0.000 χ^2/NDF : 3646446433.2/5

-0.449+/-0.000 χ^2/NDF : 8293800525.7/24

-0.447+/-0.000 χ^2/NDF : 6008546101.5/25

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 :53039.0/7

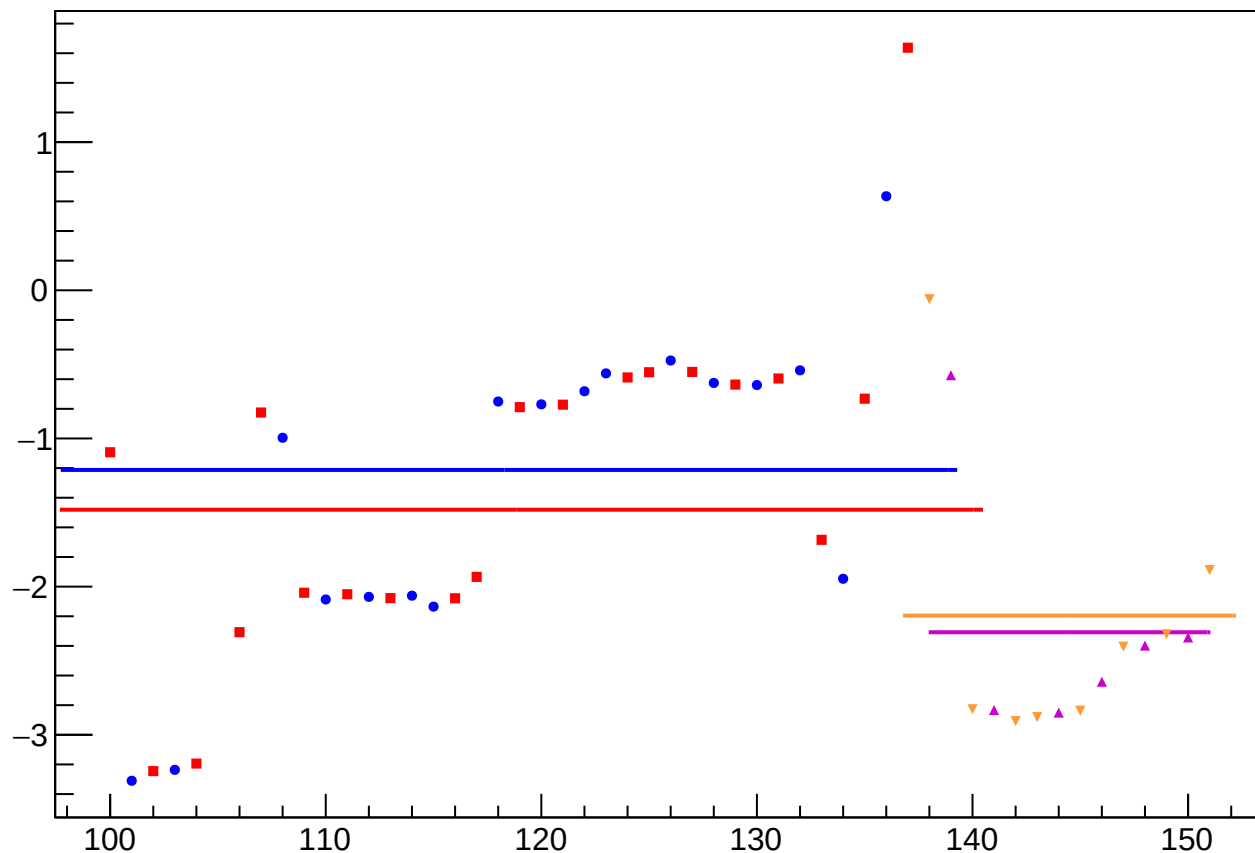
Right Out: 0.004+/-0.000 χ^2/NDF : 916963.6/19

Left In: 0.004+/-0.000 χ^2/NDF :44524.3/5

0.004+/-0.000 χ^2/NDF : 901367.5/24

0.004+/-0.000 χ^2/NDF : 963106.5/25

yield_bpm0r03X_mean vs Slug



Right In: -1.212+/-0.000 χ^2/NDF : 1992853443.9/16

Left Out: -2.196+/-0.000 χ^2/NDF : 863658537.3/7

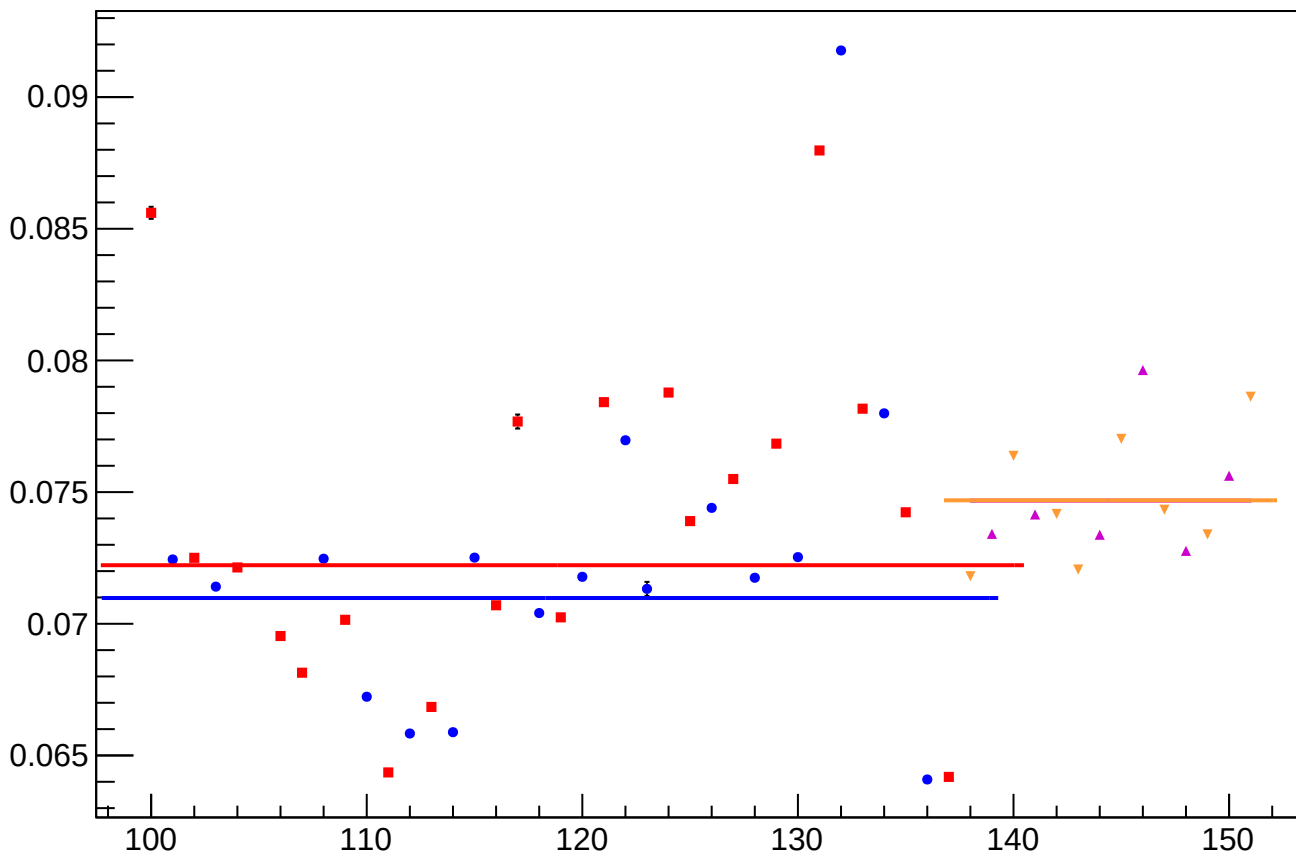
Right Out: -1.481+/-0.000 χ^2/NDF : 1579722113.8/19

Left In: -2.308+/-0.000 χ^2/NDF : 478952268.2/5

-1.640+/-0.000 χ^2/NDF : 3404628890.2/24

-1.800+/-0.000 χ^2/NDF : 2412488013.4/25

yield_bpm0r03X_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF : 77589.5/16

Left Out: 0.075+/-0.000 χ^2/NDF :10638.2/7

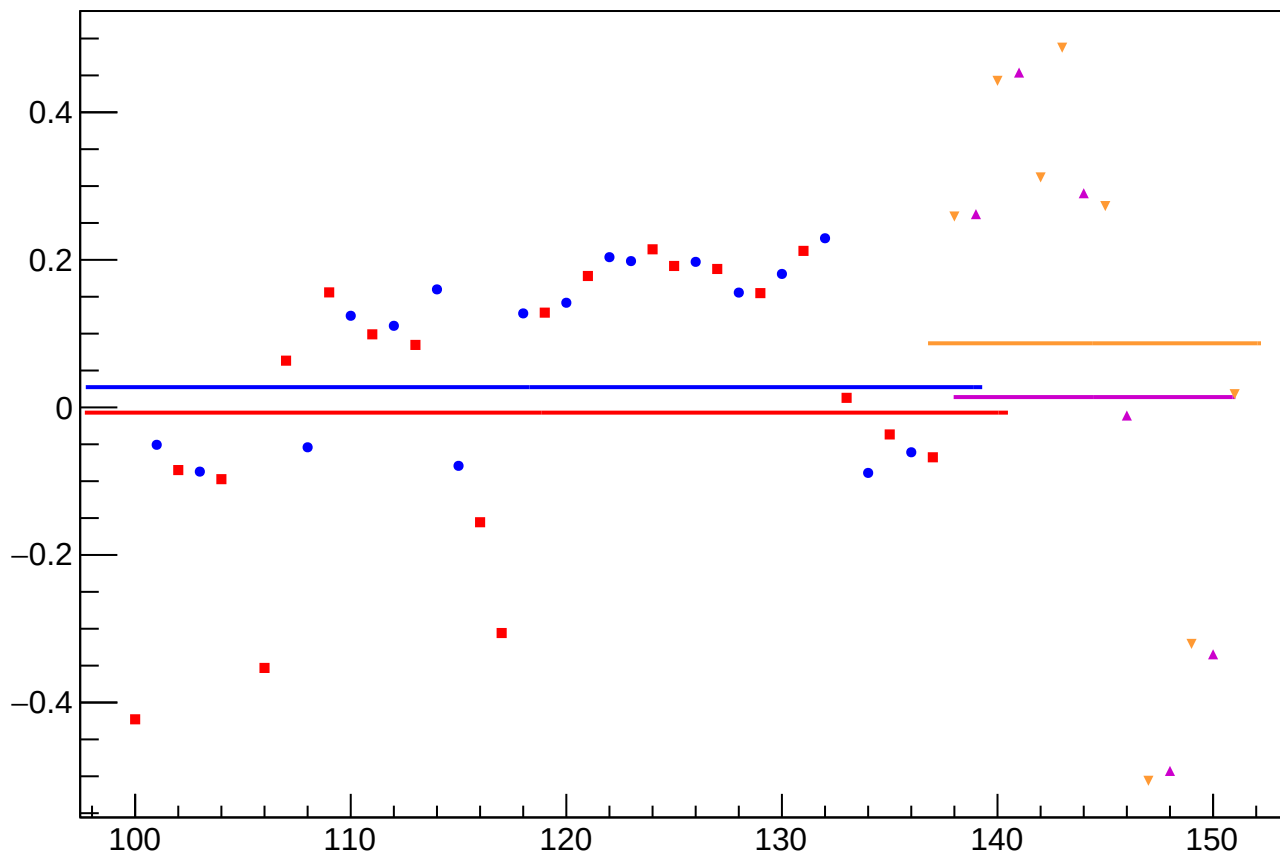
Right Out: 0.072+/-0.000 χ^2/NDF : 73650.9/19

Left In: 0.075+/-0.000 χ^2/NDF :8083.1/5

0.073+/-0.000 χ^2/NDF : 103833.0/24

0.073+/-0.000 χ^2/NDF : 87960.5/25

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562337631.4/16

Left Out: 0.087+/-0.000 χ^2/NDF :8332291482.7/7

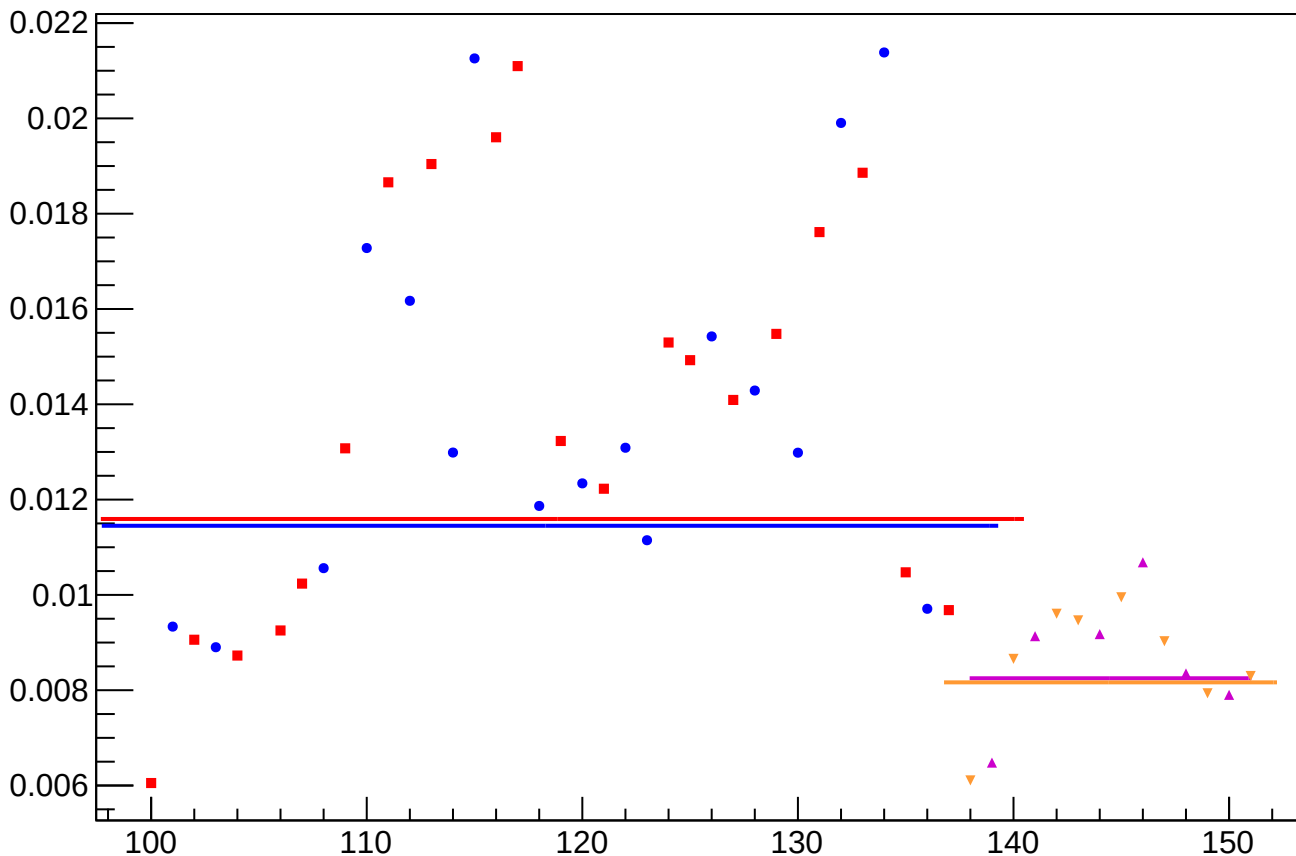
Right Out: -0.007+/-0.000 χ^2/NDF : 1207003891.2/19

Left In: 0.014+/-0.000 χ^2/NDF :7752928119.6/5

0.065+/-0.000 χ^2/NDF : 8992876906.9/24

0.005+/-0.000 χ^2/NDF : 8971542350.6/25

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 : 254503.6/7

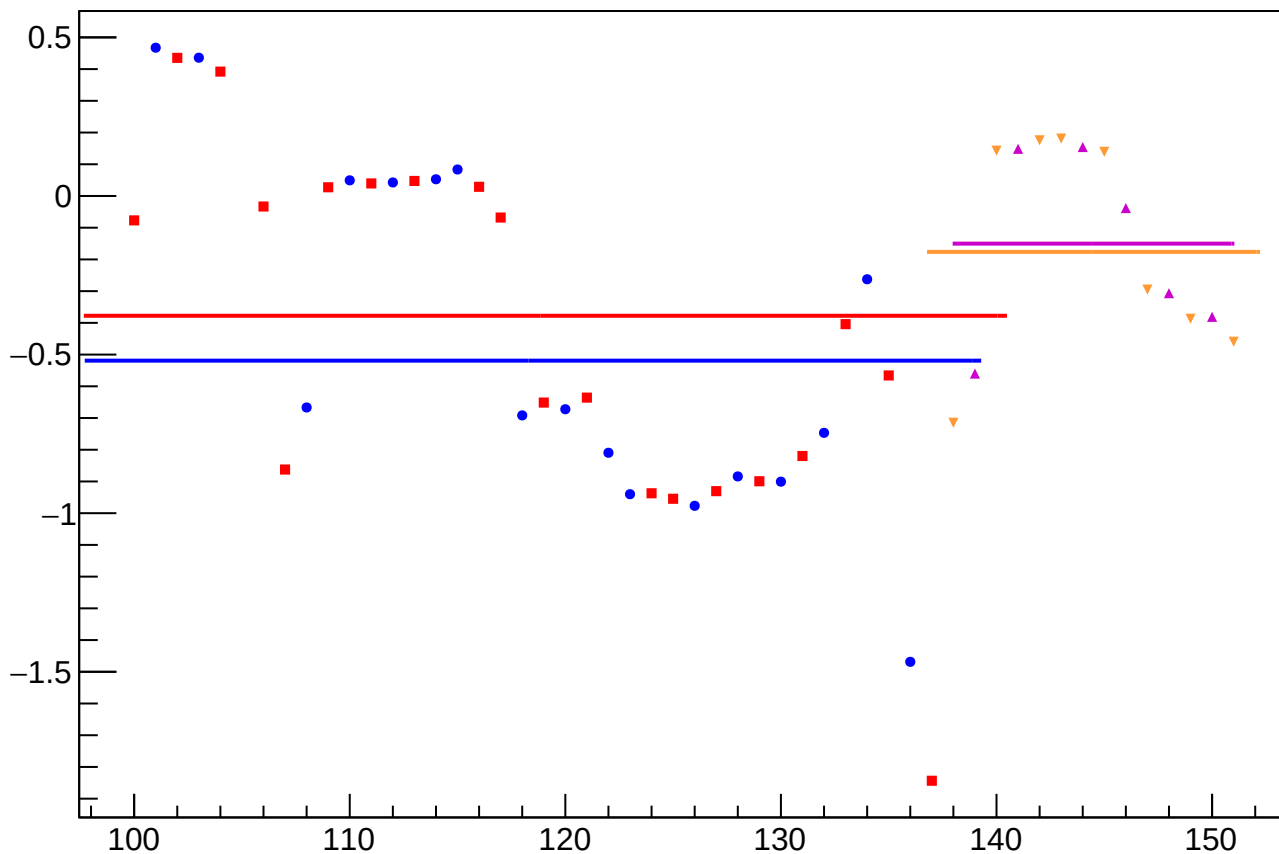
Right Out: 0.012+/-0.000 χ^2/NDF : 1012799.2/19

Left In: 0.008+/-0.000 χ^2/NDF : 197564.5/5

0.009+/-0.000 χ^2/NDF : 1534787.2/24

0.010+/-0.000 χ^2/NDF : 1793316.3/25

yield_bpm0r05X_mean vs Slug



Right In: -0.519+/-0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.176+/-0.000 χ^2/NDF : 84169902.6/7

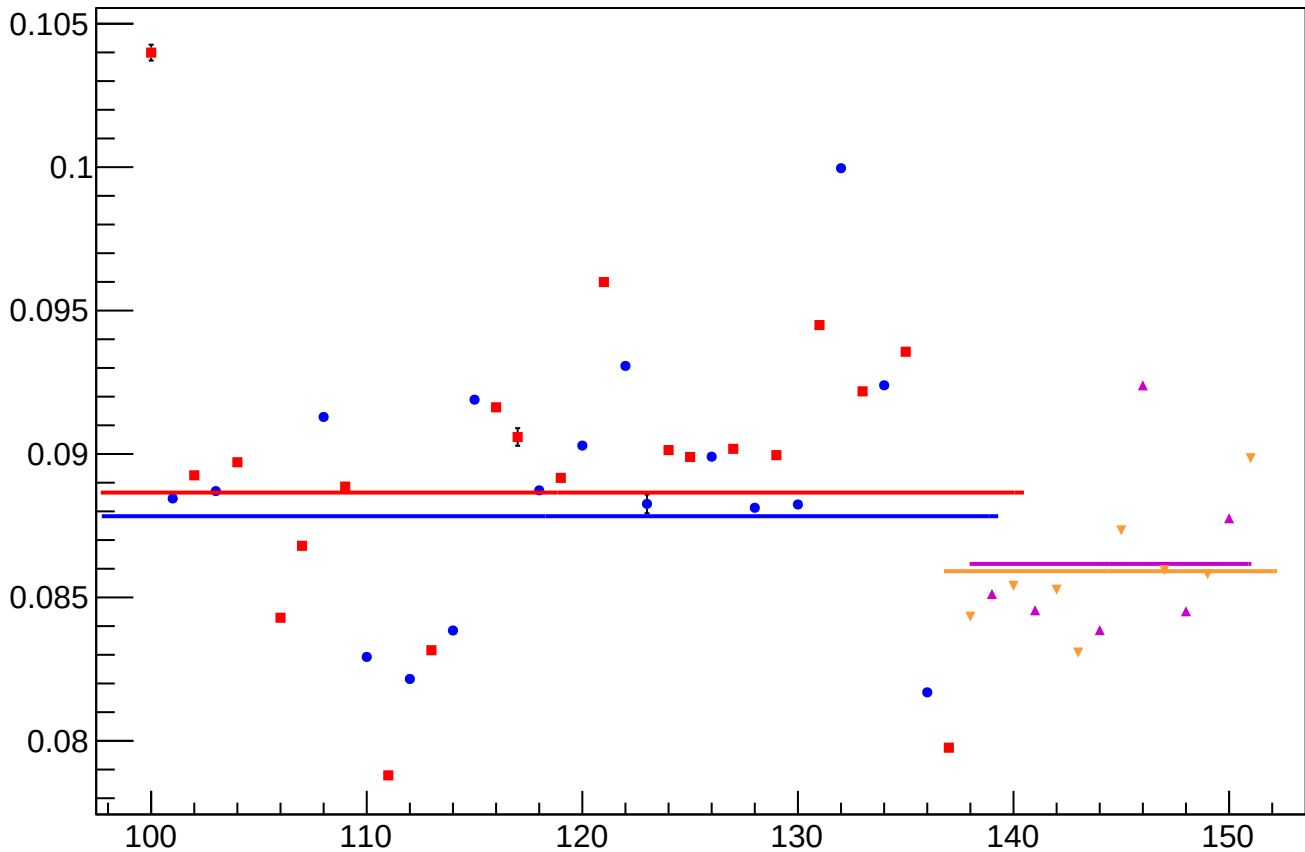
Right Out: -0.378+/-0.000 χ^2/NDF : 269130827.6/19

Left In: -0.150+/-0.000 χ^2/NDF : 47202411.2/5

-0.357+/-0.000 χ^2/NDF : 471675602.6/24

-0.283+/-0.000 χ^2/NDF : 335877302.9/25

yield_bpm0r05X_rms vs Slug



Right In: 0.088 ± 0.000 $\chi^2/\text{NDF}: 34954.4/16$

Left Out: 0.086 ± 0.000 $\chi^2/\text{NDF}: 5620.0/7$

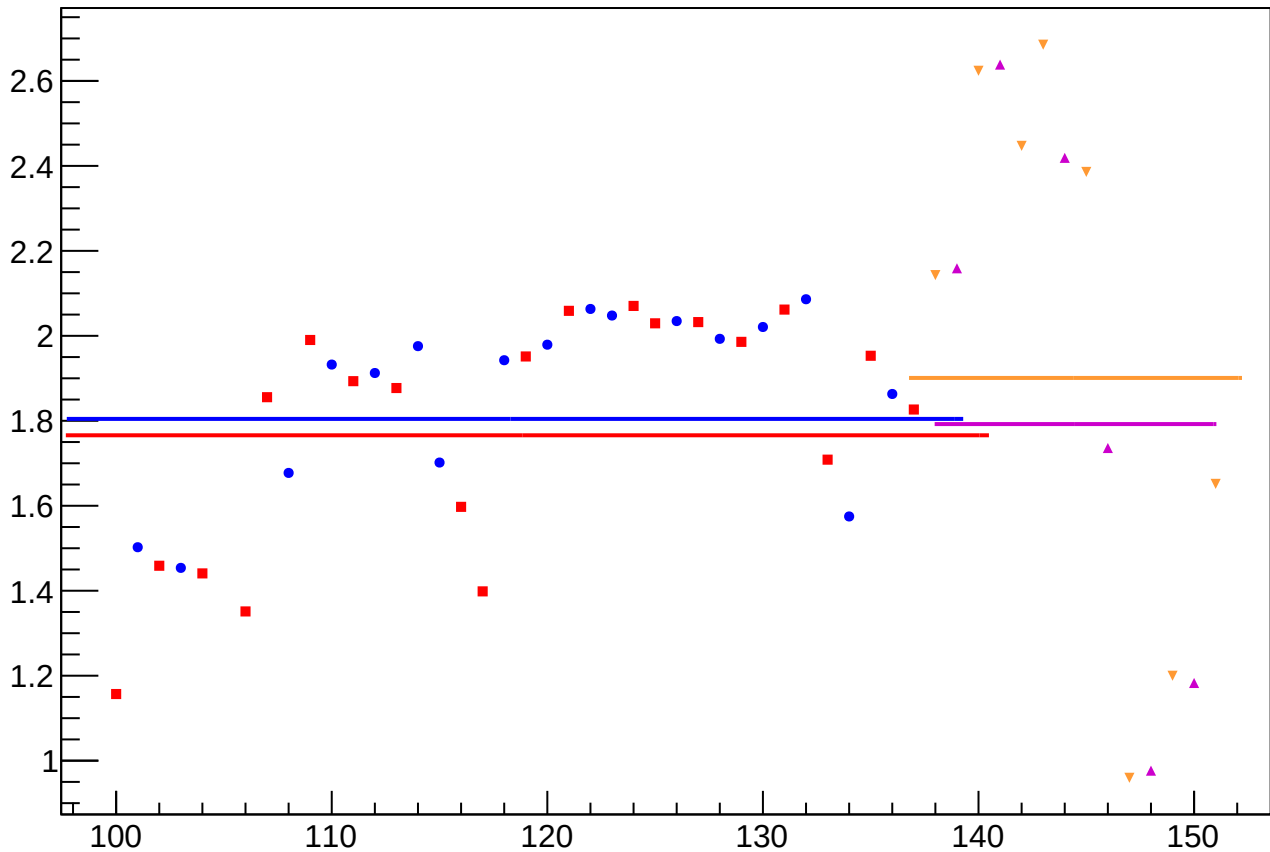
Right Out: 0.089 ± 0.000 $\chi^2/\text{NDF}: 39762.8/19$

Left In: 0.086 ± 0.000 $\chi^2/\text{NDF}: 10415.7/5$

0.087 ± 0.000 $\chi^2/\text{NDF}: 43579.1/24$

0.088 ± 0.000 $\chi^2/\text{NDF}: 54853.5/25$

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156747883.2/16

Left Out: 1.901 $\pm$ 0.000 χ^2 /NDF:15601760810.2/7

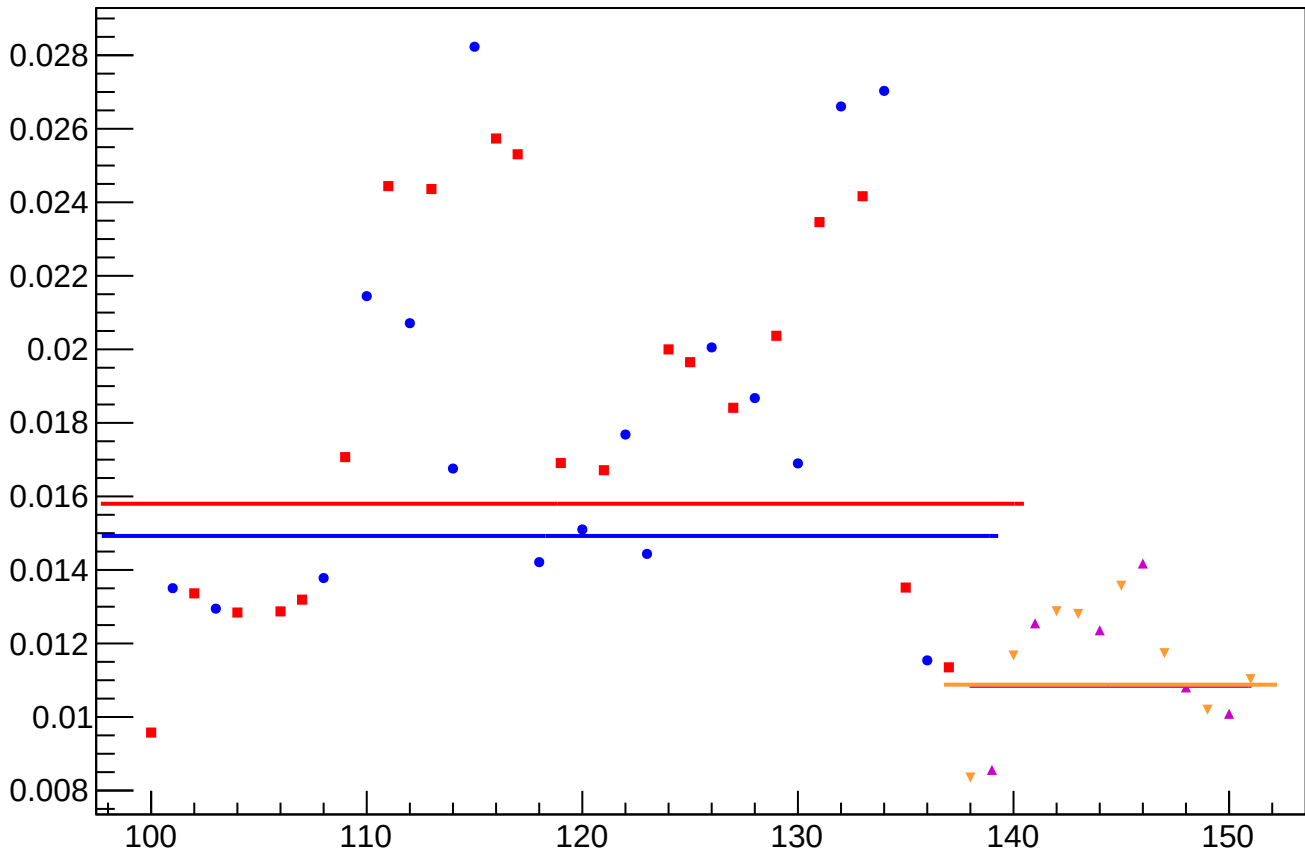
1.865 $\pm$ 0.000 χ^2 /NDF: 16909113965.6/24

Right Out: 1.766 $\pm$ 0.000 χ^2 /NDF: 1717275187.7/19

1.782 $\pm$ 0.000 χ^2 /NDF: 15678221045.1/25

Left In: 1.792 $\pm$ 0.000 χ^2 /NDF:13950745822.8/5

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 : 248343.2/7

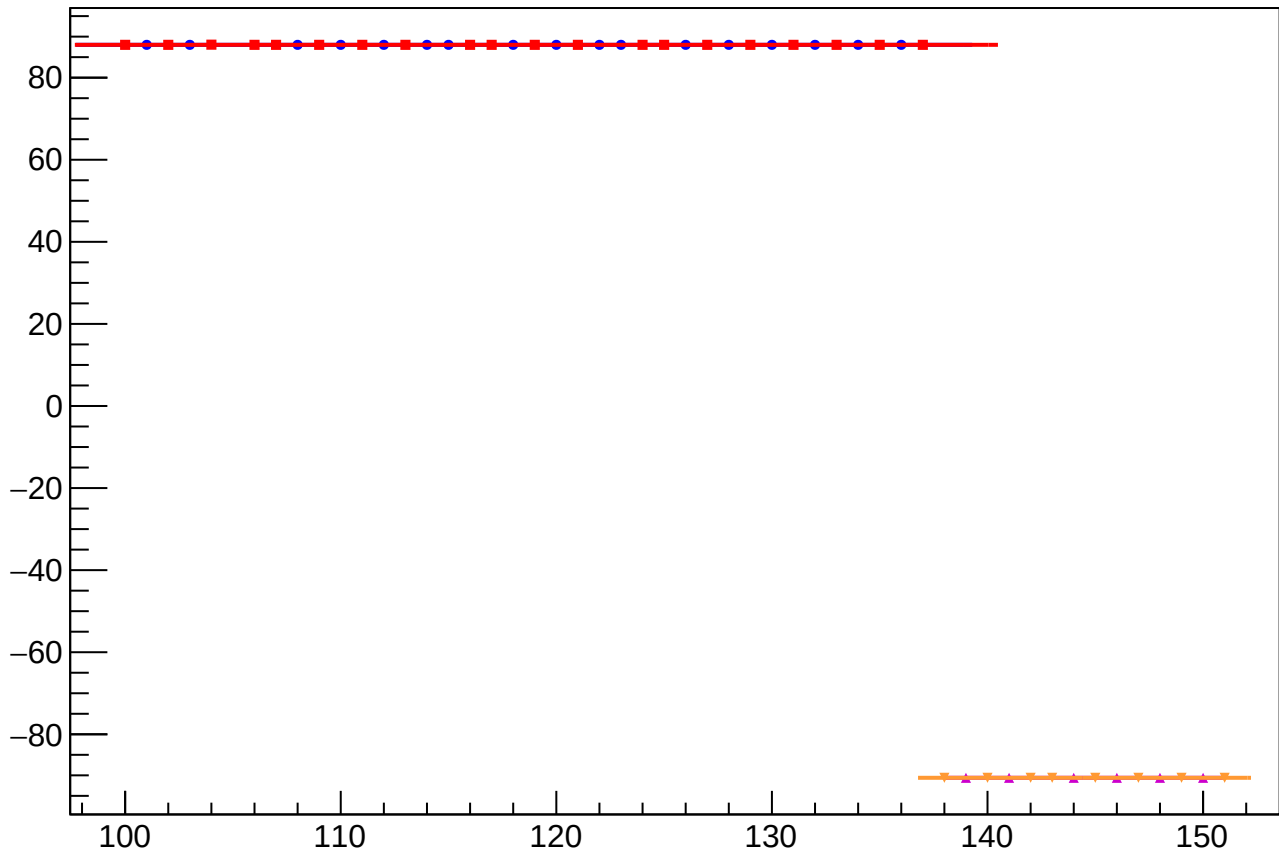
Right Out: 0.016+/-0.000 χ^2/NDF : 796839.8/19

Left In: 0.011+/-0.000 χ^2/NDF : 226374.4/5

0.012+/-0.000 χ^2/NDF : 1422162.7/24

0.013+/-0.000 χ^2/NDF : 1741329.2/25

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 1852068.7/16

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 3114246.1/7

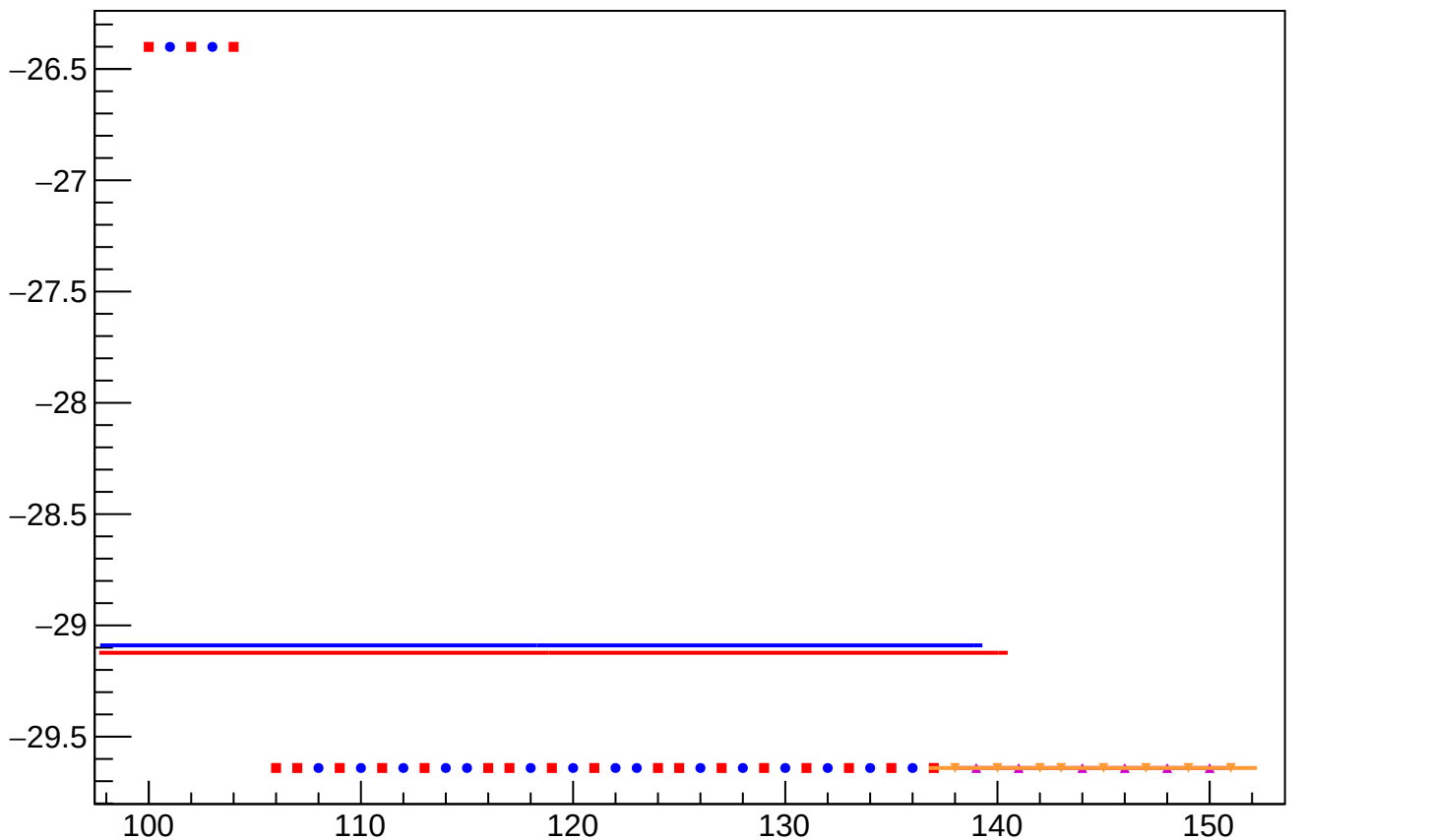
5.709 $\pm$ 0.000 χ^2 /NDF: 1019996134756797880

Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77578366411928007427611426816.0/19

15.078 $\pm$ 0.000 χ^2 /NDF: 945597935003784952

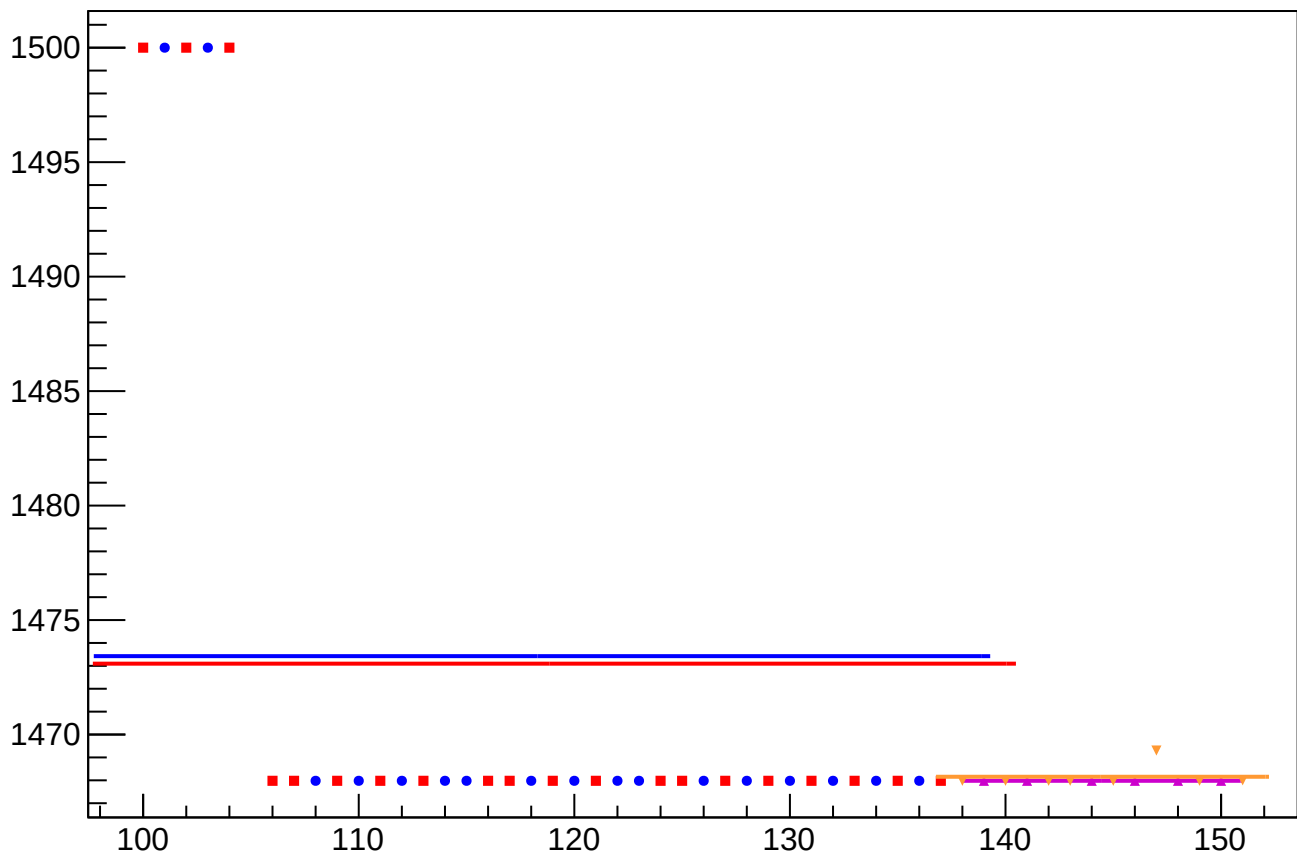
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 1258946.3/5

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 : 160422.8/7
Right Out: -29.123+/-0.000 χ^2/NDF : 1023154512396702254583444720844800.0/19
Left In: -29.641+/-0.000 χ^2/NDF : 36464.3/5

epics_psub_pl_poss_mean vs Slug



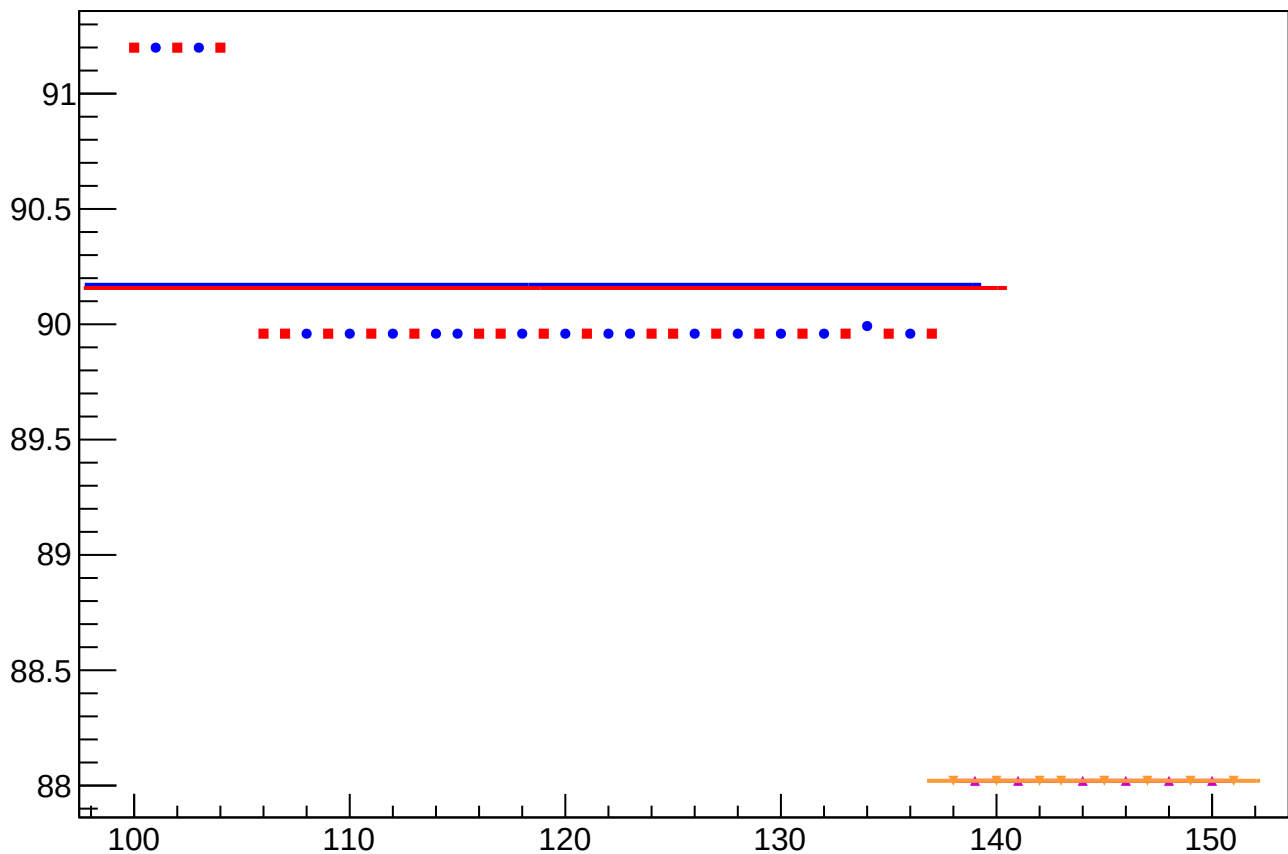
Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1468.156+/-0.000 χ^2/NDF : 117918747226670561222918685065216.0/7

Right Out: 1473.096+/-0.000 χ^2/NDF : 99938310777099611815298348687032320.0/19

Left In: 1467.979+/-0.000 χ^2/NDF : 192784781.5/5

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 : 2878774.3/7

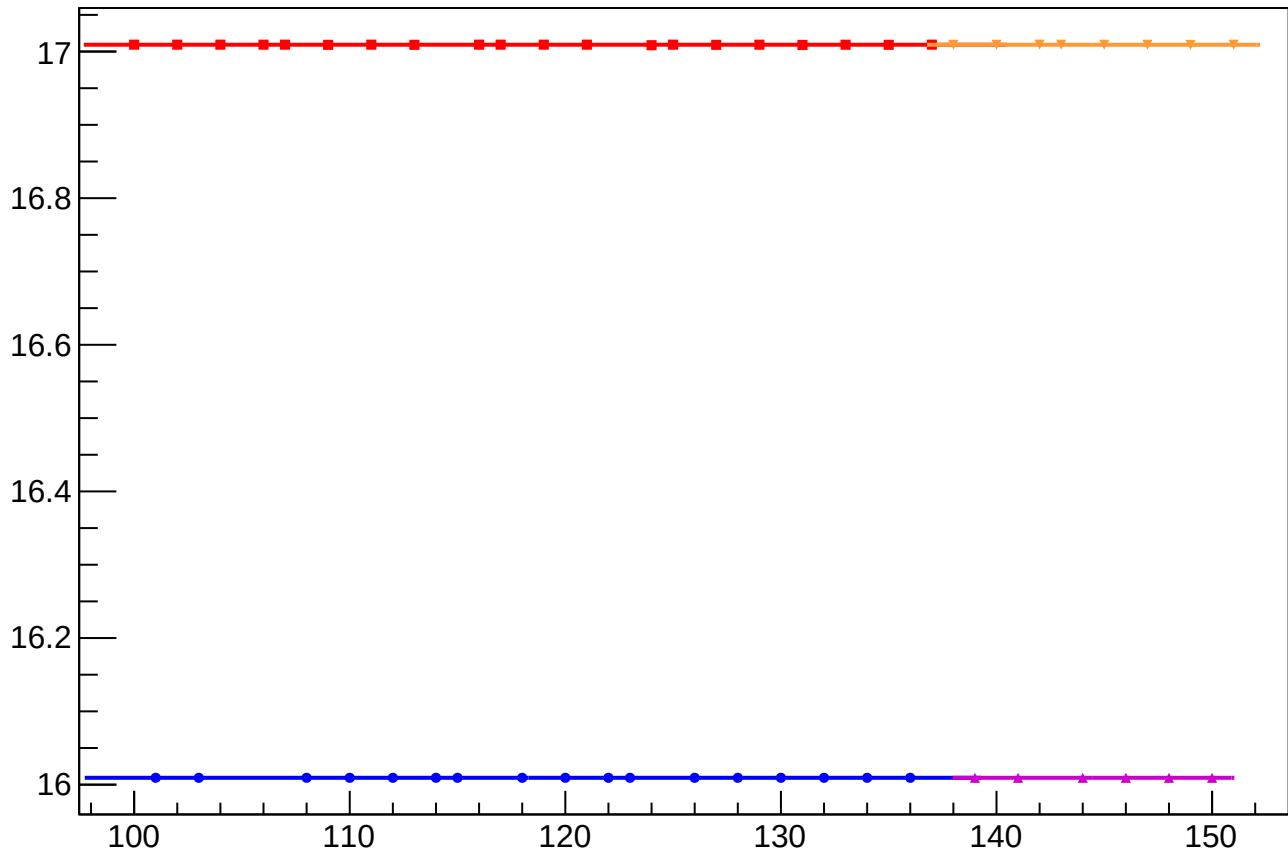
Right Out: 90.157+/-0.000 χ^2/NDF : 149863052341628336344772108091392.0/19

Left In: 88.021+/-0.000 χ^2/NDF : 1410205.6/5

89.180+/-0.000 χ^2/NDF : 162903724577251216

89.285+/-0.000 χ^2/NDF : 15032600408680380

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 44327.7/16

Left Out: 17.009 $\pm$ 0.000 χ^2/NDF : 5061521898732741353013248.0/7

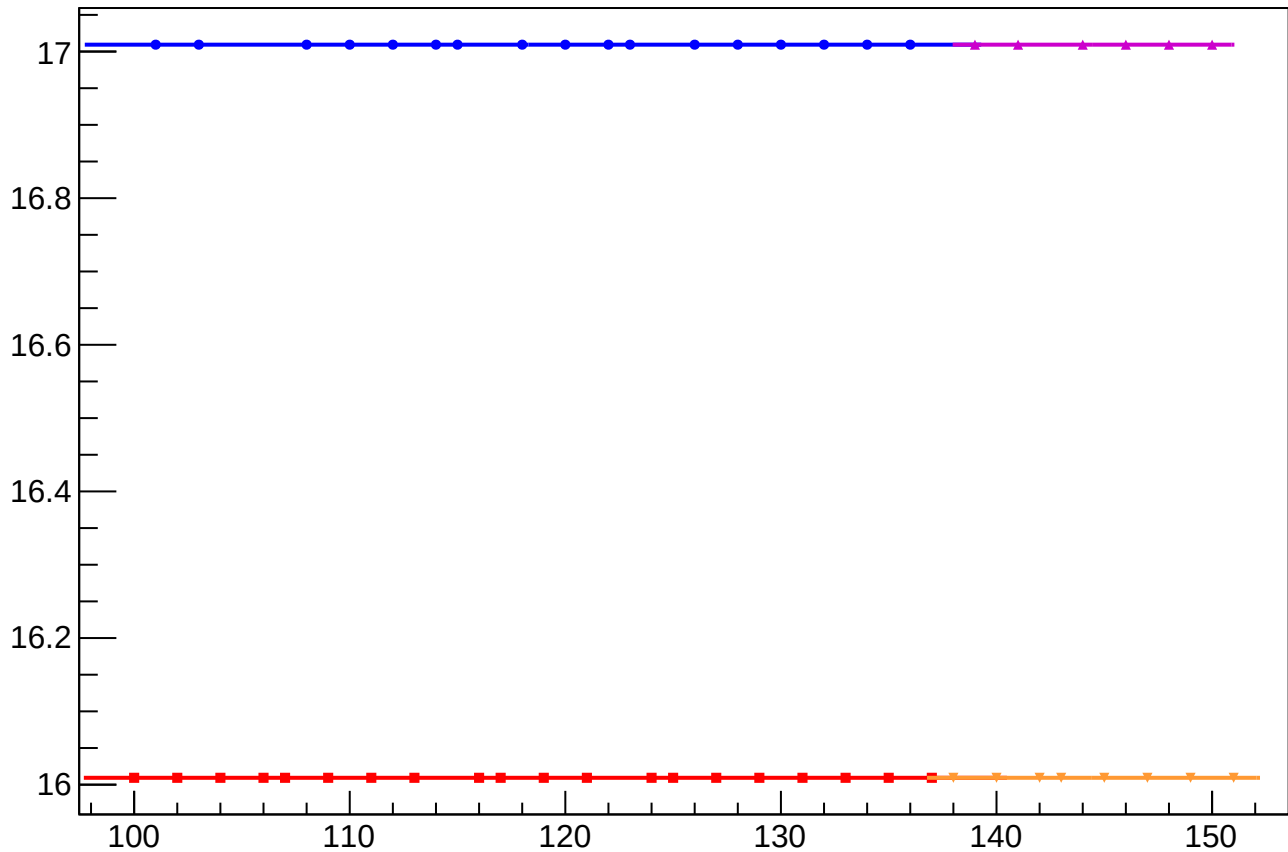
Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 12548783366686740957888512.0/19

Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 19803.6/5

16.459 $\pm$ 0.000 χ^2/NDF : 29730967877512184

16.592 $\pm$ 0.000 χ^2/NDF : 274457117308301163

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 132629.6/16

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 17266.6/7

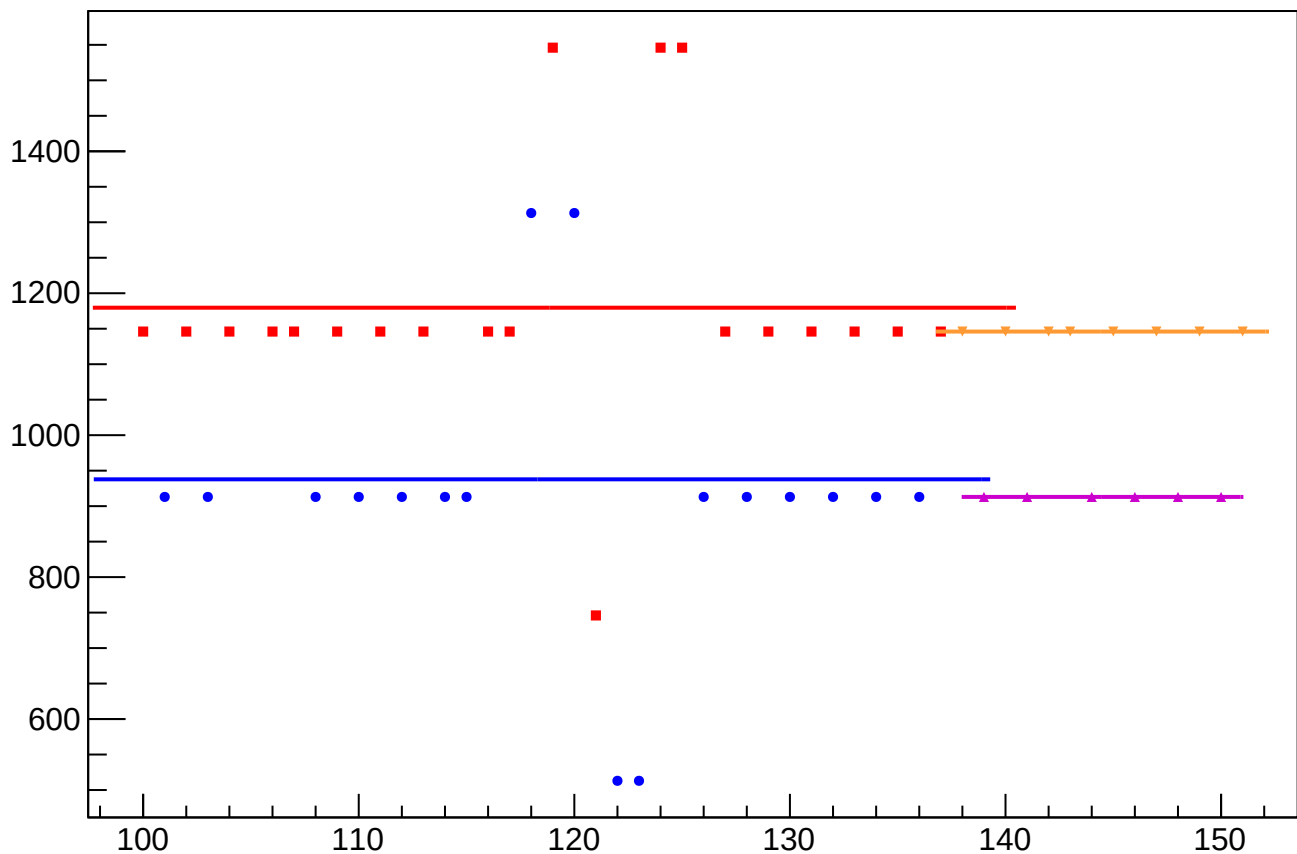
Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 42750.0/19

Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 11018.8/5

16.540 $\pm$ 0.000 χ^2 /NDF: 310561347233354712

16.420 $\pm$ 0.000 χ^2 /NDF: 295261475409810300

epics_RTPAPOSUCNTs_mean vs Slug



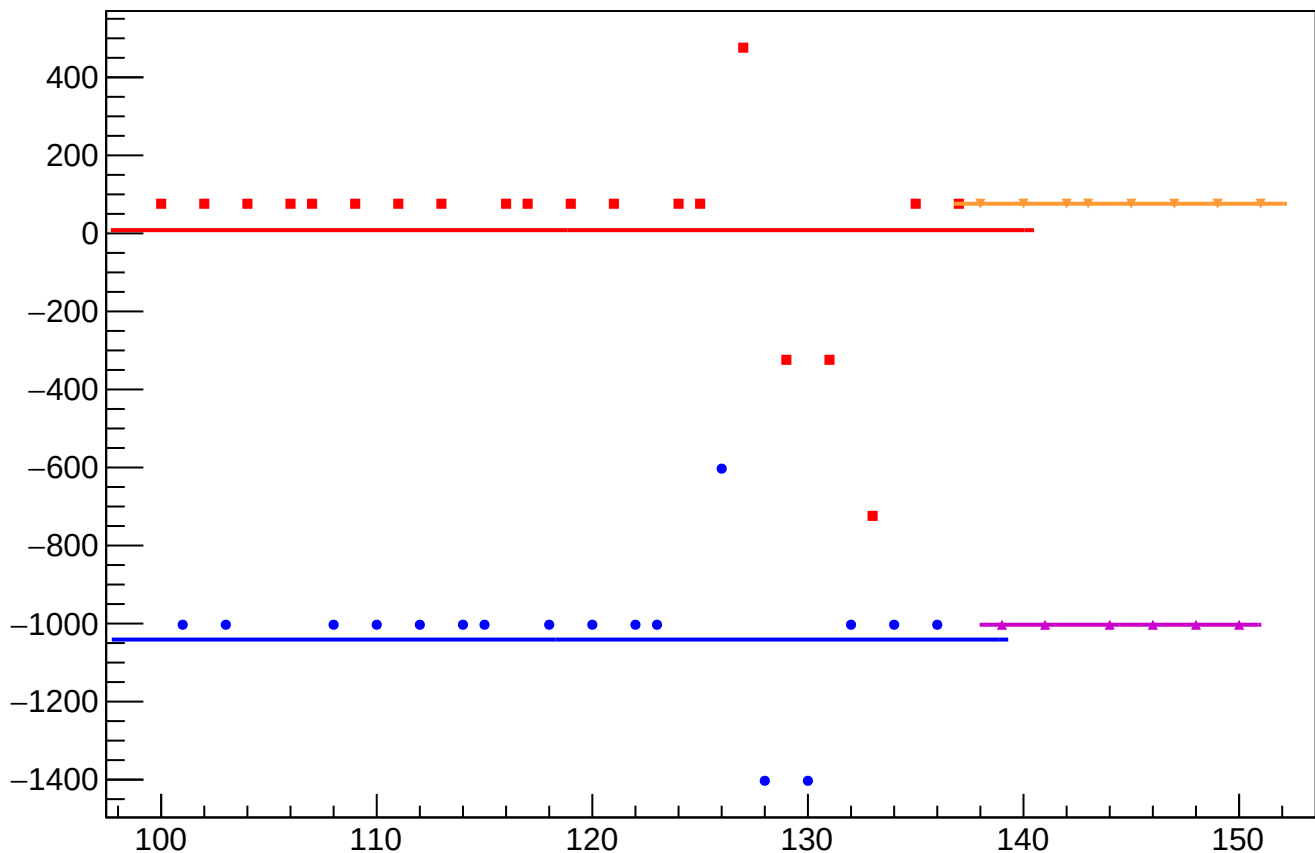
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.011+/-0.000 χ^2/NDF : 2126043060985532925211574272.0/7

Right Out: 1179.619+/-0.000 χ^2/NDF : 21420659731738679306829480097874968576.0/19

Left In: 912.994+/-0.000 χ^2/NDF : 8695798473934990862884798464.0/5

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1041.030+/-0.000 χ^2/NDF : 22675401109943882512554797113855180800.0/16
 Left Out: 76.011+/-0.000 χ^2/NDF : 2656856535982967820776374272.0/7 χ^2/NDF : 4216756792557211
 Right Out: 8.240+/-0.000 χ^2/NDF : 43865391744972338137265798243810279424.0/19
 Left In: -1002.989+/-0.000 χ^2/NDF : 847029506551861126279200768.0/5 χ^2/NDF : 3469957920768336