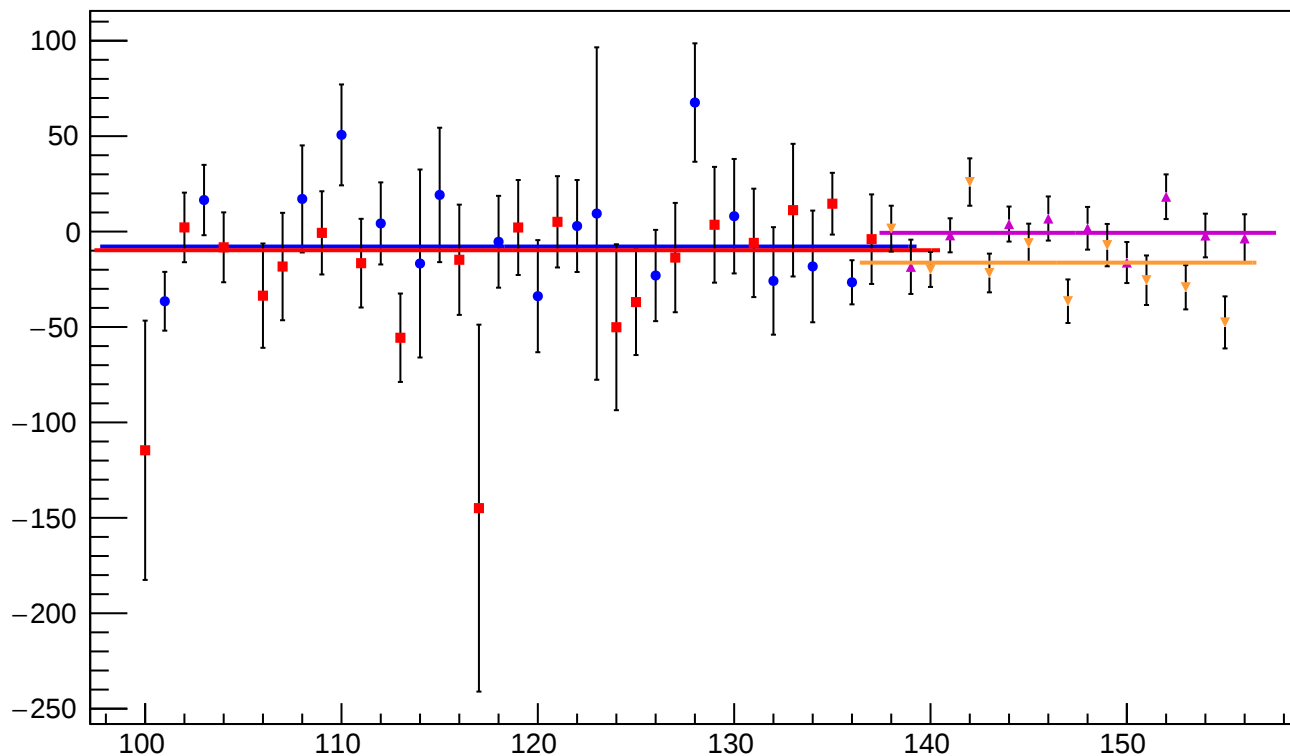


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

χ^2/NDF : 22.6/16

Left Out: -16.281 ± 3.554

χ^2/NDF : 26.0/9

Right Out: -9.781 ± 5.667

χ^2/NDF : 15.2/19

Left In: -0.661 ± 3.659

χ^2/NDF : 7.1/8

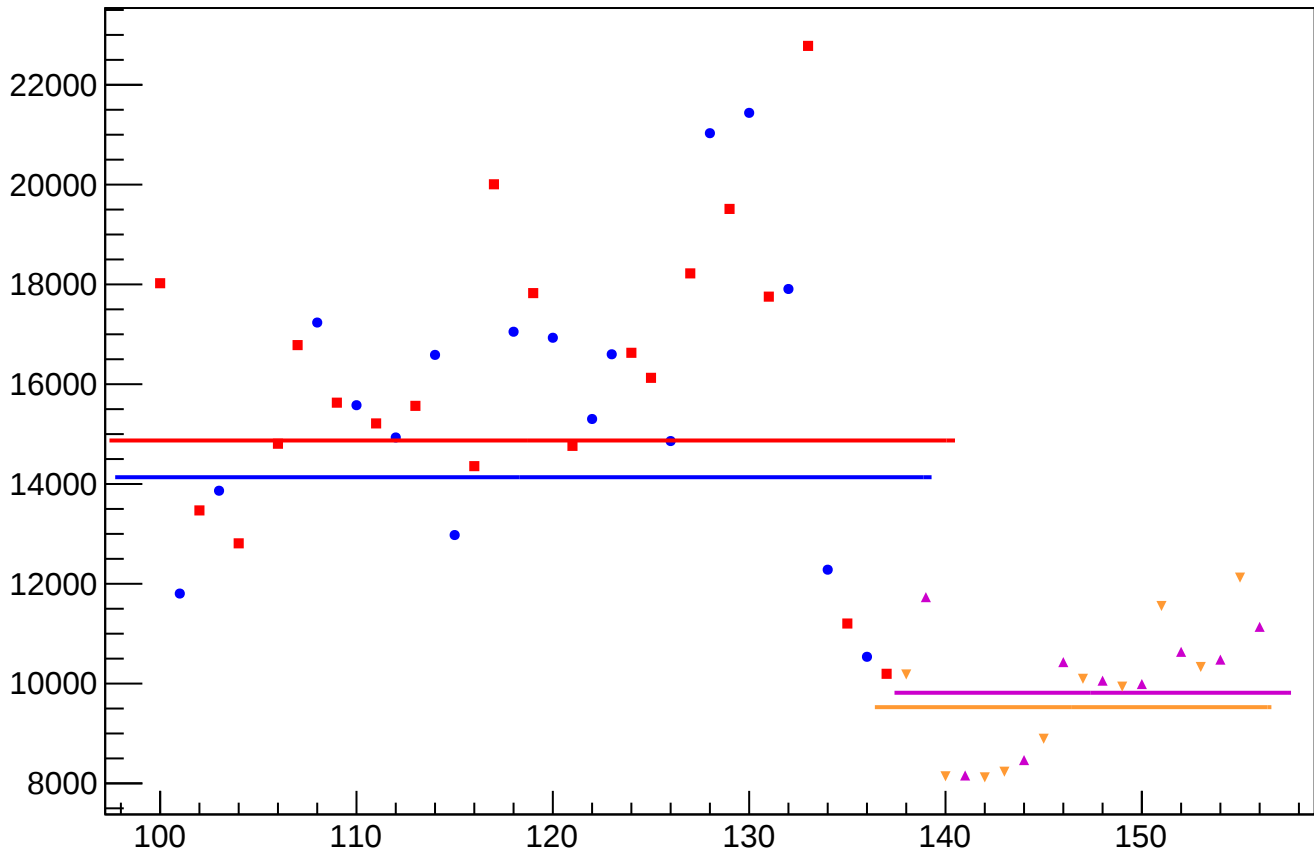
-13.863 ± 3.002

χ^2/NDF : 50.3/26

-3.344 ± 3.074

χ^2/NDF : 24.1/28

diff_bpm4aX_rms vs Slug



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

Left Out: 9527.364+/-2.513 χ^2/NDF : 256111.3/9

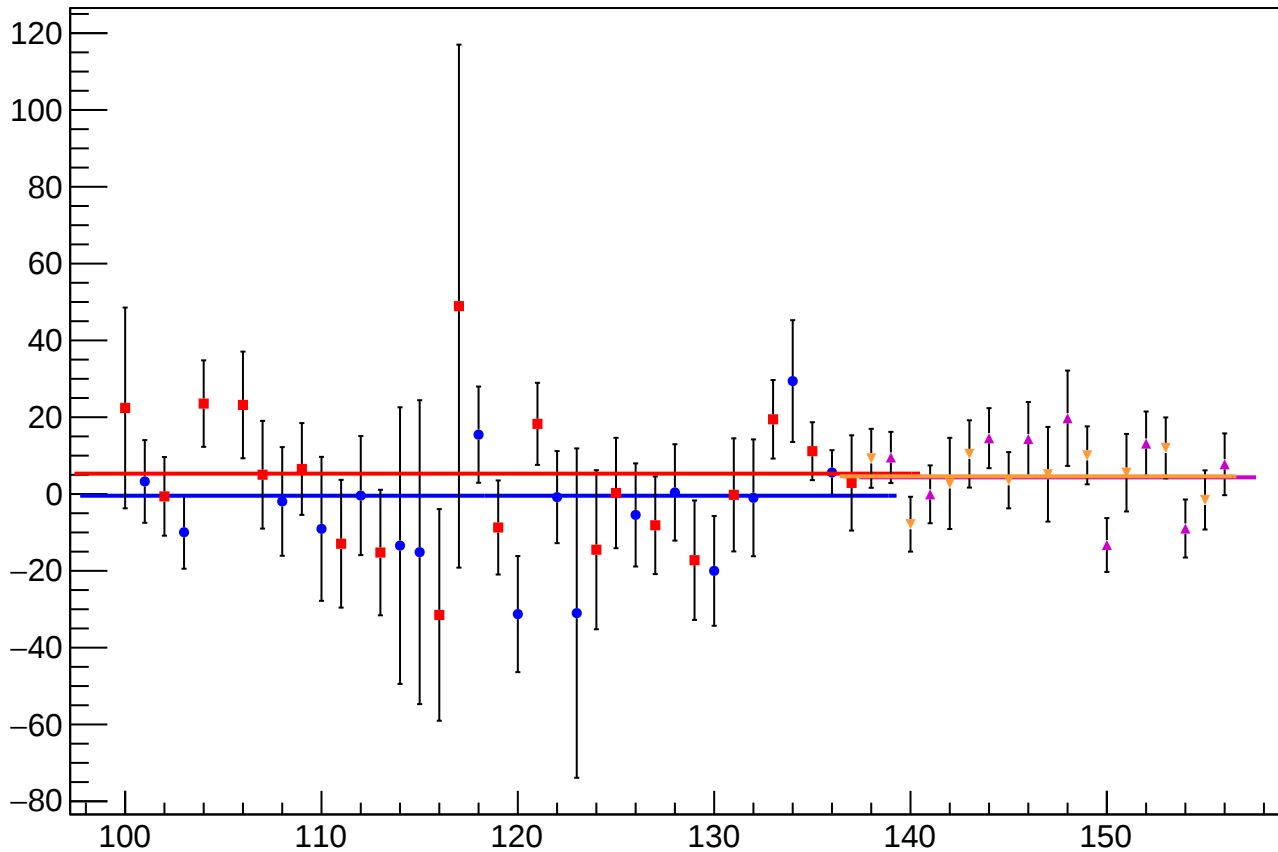
10848.014+/-2.123 χ^2/NDF : 1816724.6/26

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

11303.481+/-2.174 χ^2/NDF : 1795355.4/28

Left In: 9816.004+/-2.587 χ^2/NDF : 194161.5/8

diff_bpm4aY_mean vs Slug



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

Left Out: 4.623 ± 2.653 χ^2/NDF : 5.9/9

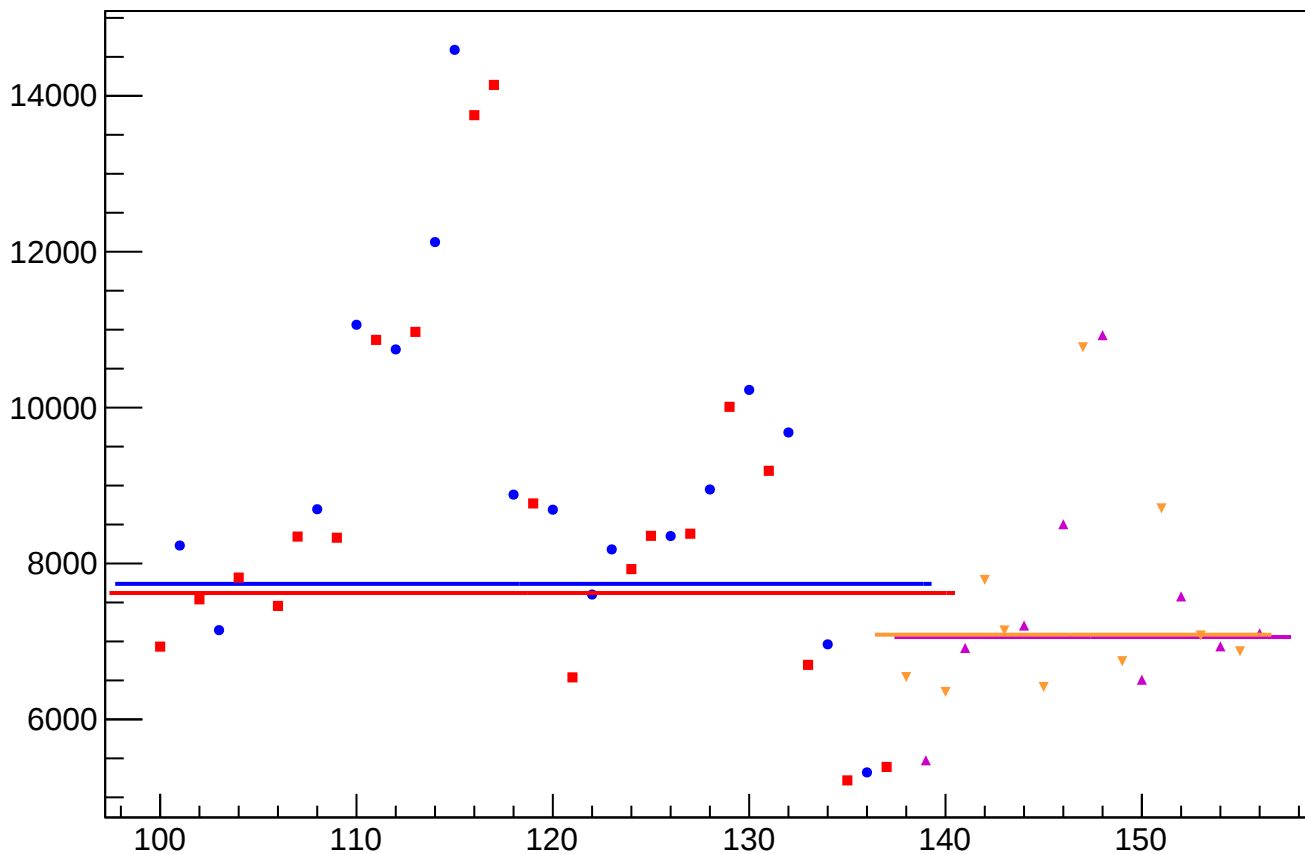
Right Out: 5.310 ± 2.933 χ^2/NDF : 19.8/19

Left In: 4.343 ± 2.659 χ^2/NDF : 16.0/8

2.459 ± 2.008 χ^2/NDF : 22.0/26

4.779 ± 1.970 χ^2/NDF : 35.8/28

diff_bpm4aY_rms vs Slug



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

Left Out: 7086.793 $\pm$ 1.876 χ^2 /NDF:291297.6/9

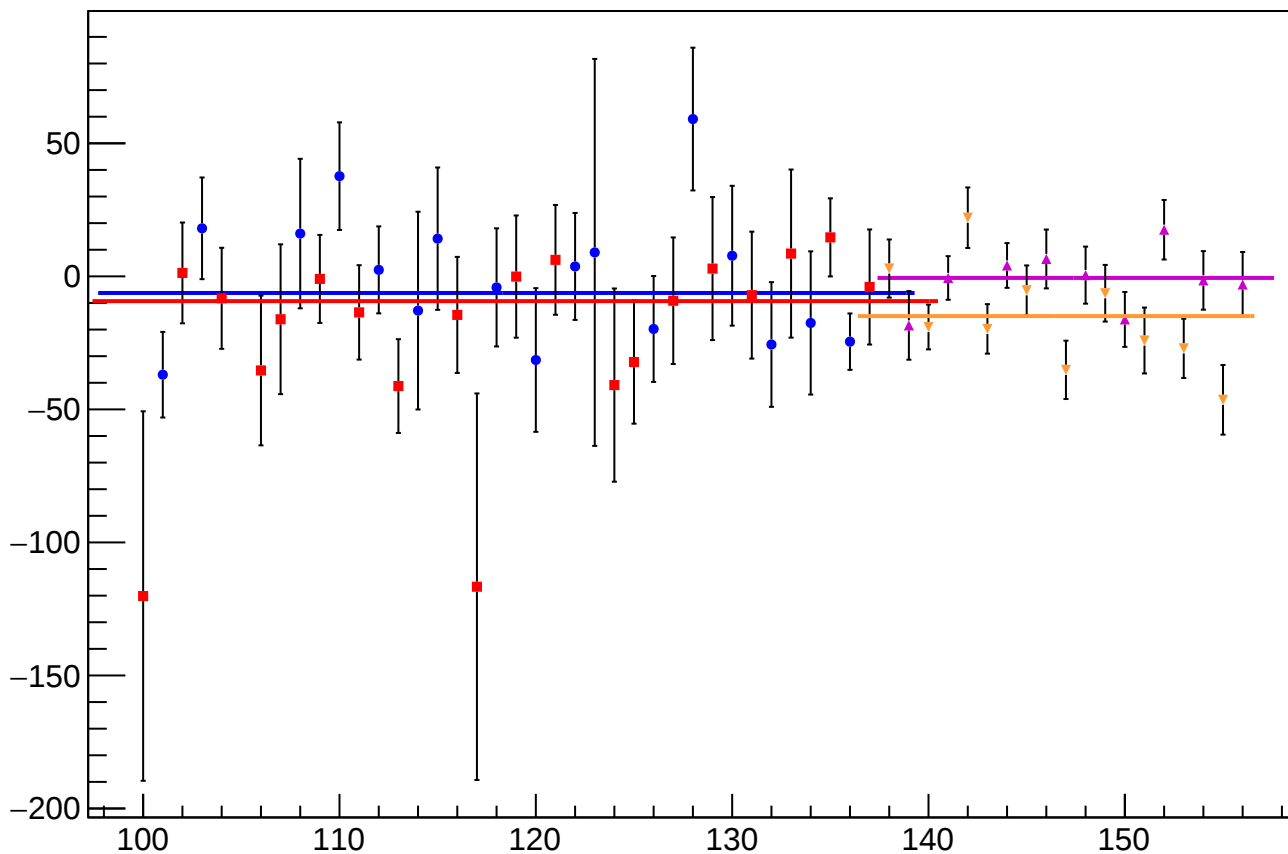
Right Out: 7621.652 $\pm$ 2.074 χ^2 /NDF: 697548.6/19

Left In: 7056.698 $\pm$ 1.880 χ^2 /NDF:374482.7/8

7365.478 $\pm$ 1.420 χ^2 /NDF: 1083770.2/26

7311.522 $\pm$ 1.393 χ^2 /NDF: 1112763.3/28

diff_bpm4eX_mean vs Slug



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

Left Out: -14.938 ± 3.318 $\chi^2/\text{NDF}: 26.4/9$

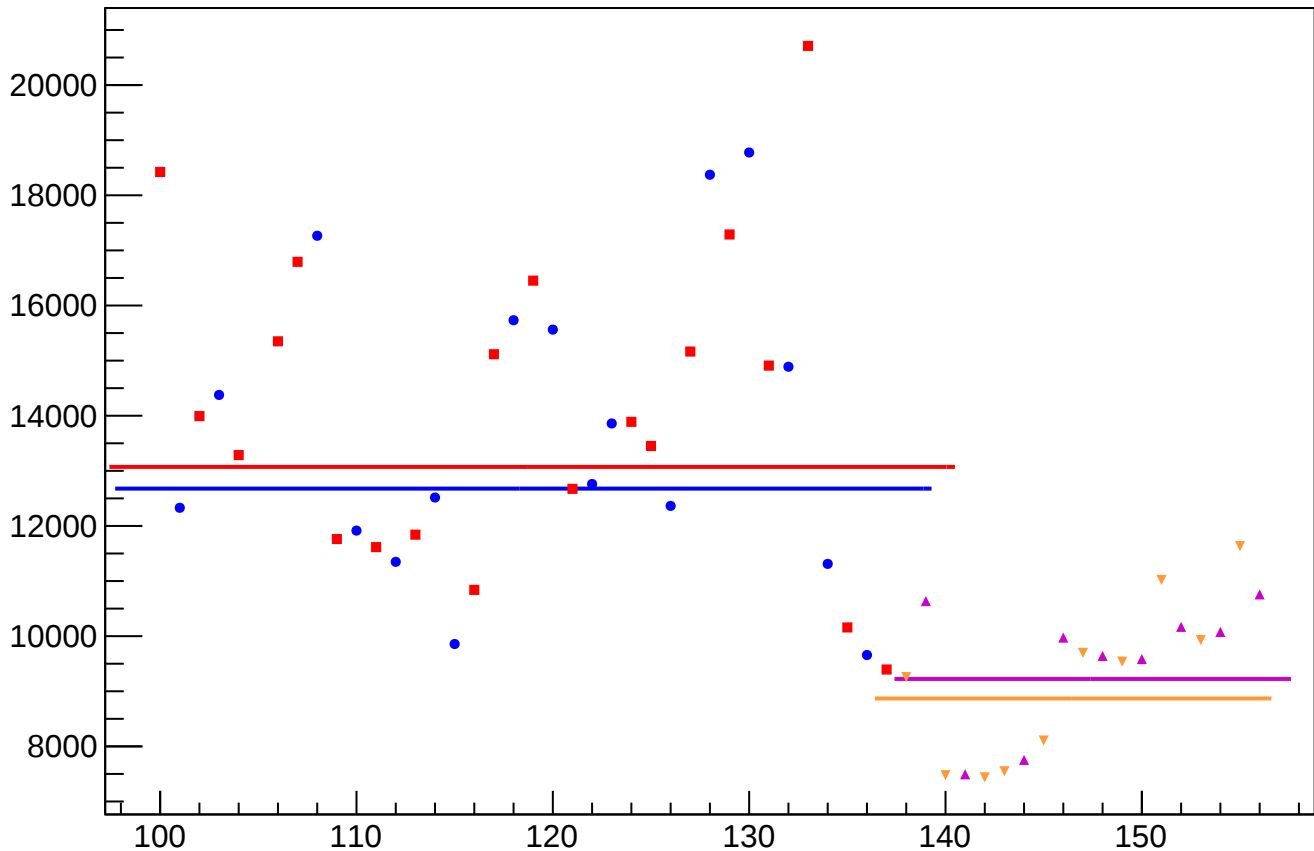
Right Out: -9.310 ± 4.987 $\chi^2/\text{NDF}: 15.3/19$

Left In: -0.590 ± 3.444 $\chi^2/\text{NDF}: 7.6/8$

-12.293 ± 2.768 $\chi^2/\text{NDF}: 51.7/26$

-3.406 ± 2.834 $\chi^2/\text{NDF}: 25.0/28$

diff_bpm4eX_rms vs Slug



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

Left Out: 8869.274+/-2.346 χ^2/NDF : 329619.6/9

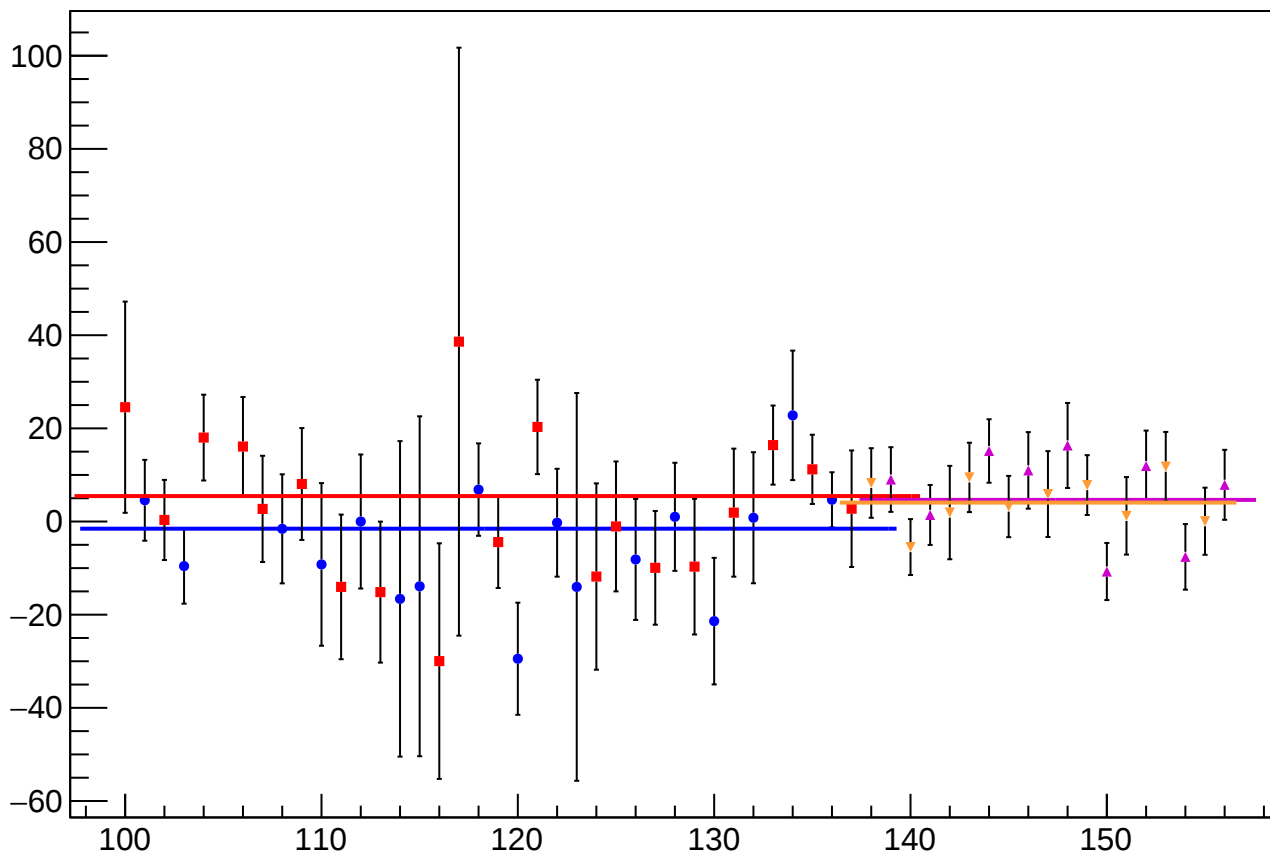
Right Out: 13071.522+/-3.527 χ^2/NDF : 499021.5/19

Left In: 9223.566+/-2.435 χ^2/NDF : 246861.5/8

10027.989+/-1.957 χ^2/NDF : 1684855.7/26

10466.052+/-2.004 χ^2/NDF : 1551969.2/28

diff_bpm4eY_mean vs Slug



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

Left Out: 4.067 ± 2.329 χ^2/NDF : 5.3/9

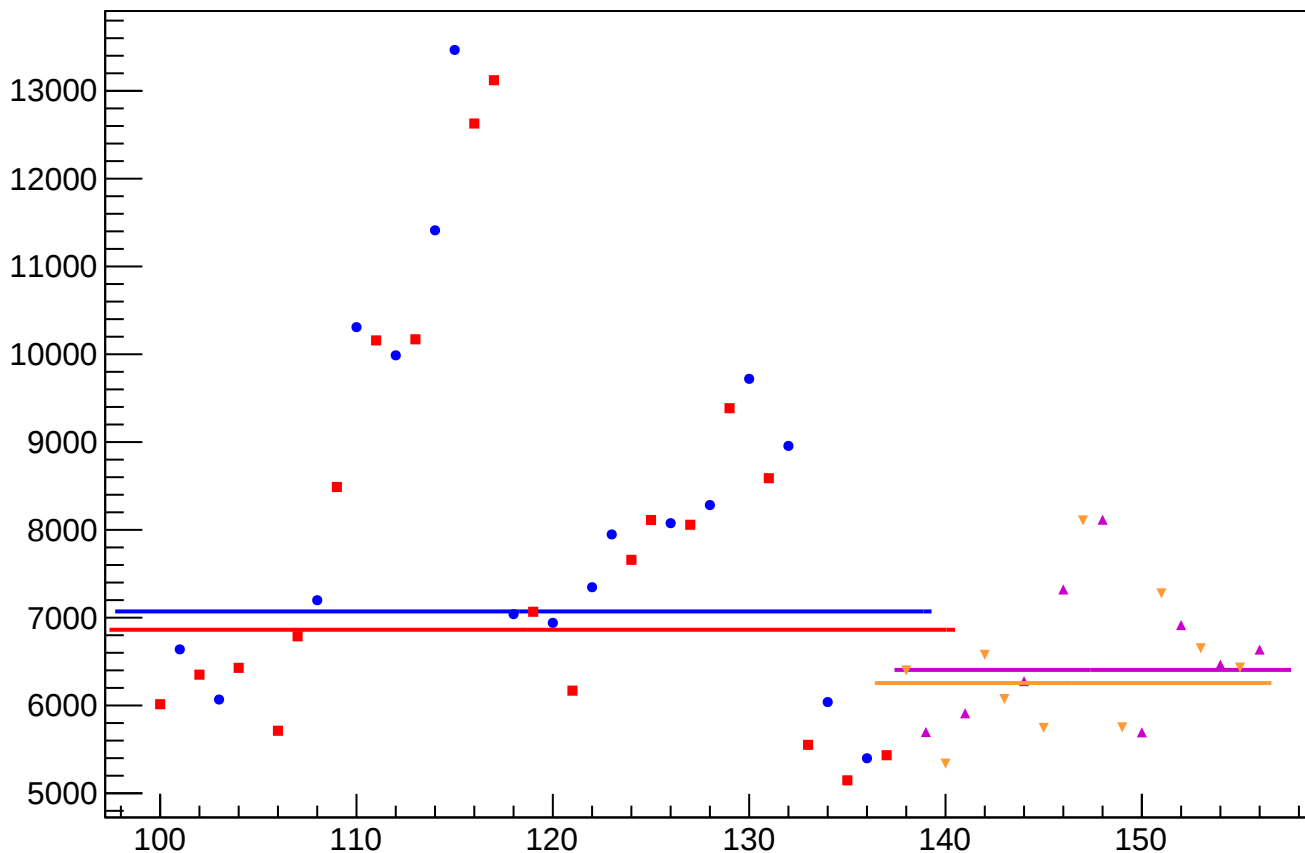
Right Out: 5.463 ± 2.637 χ^2/NDF : 18.9/19

Left In: 4.645 ± 2.390 χ^2/NDF : 15.7/8

1.766 ± 1.788 χ^2/NDF : 22.5/26

5.014 ± 1.771 χ^2/NDF : 34.6/28

diff_bpm4eY_rms vs Slug



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

Left Out: 6255.338 $\pm$ 1.647 χ^2 /NDF:192775.1/9

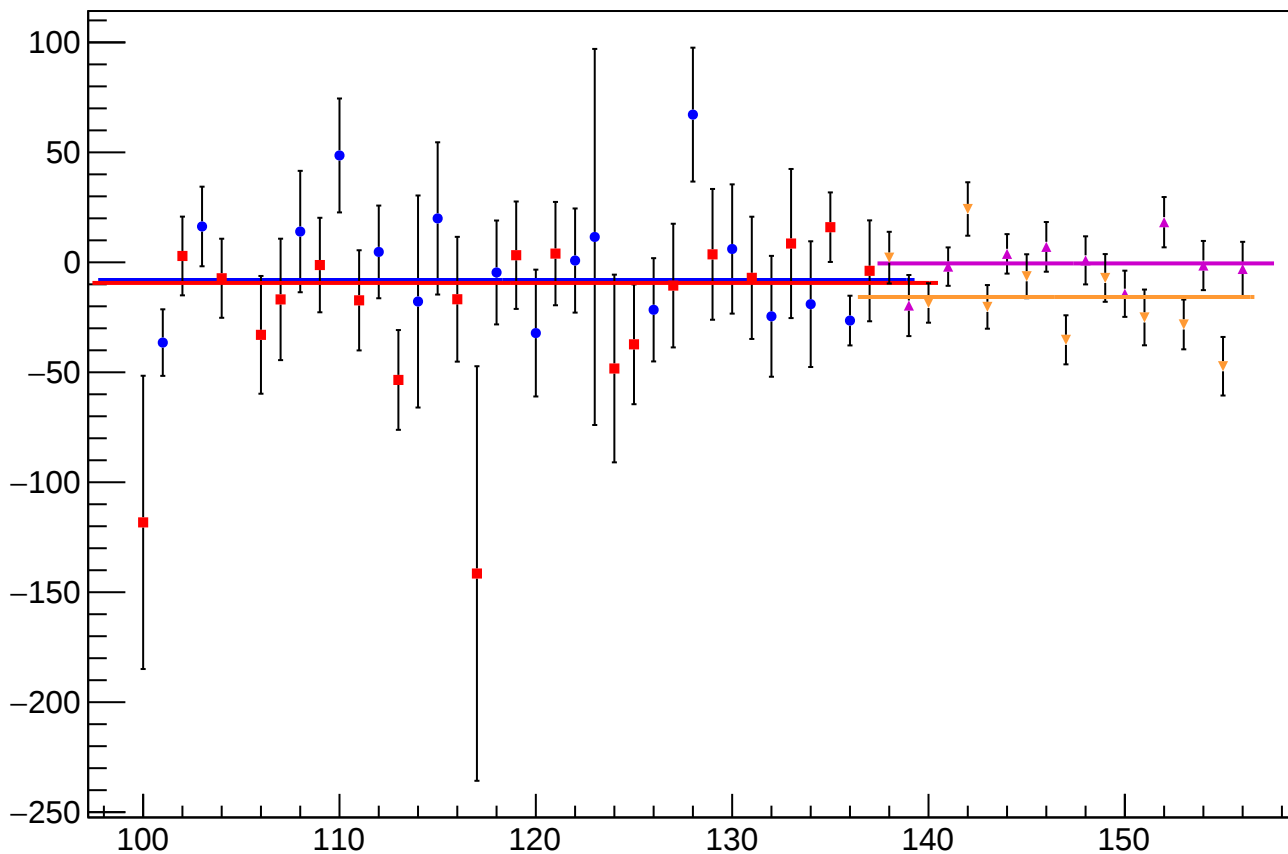
Right Out: 6862.551 $\pm$ 1.865 χ^2 /NDF: 704099.3/19

Left In: 6405.151 $\pm$ 1.690 χ^2 /NDF:166360.5/8

6590.186 $\pm$ 1.264 χ^2 /NDF: 894275.3/26

6611.409 $\pm$ 1.252 χ^2 /NDF: 903490.7/28

diff_bpm4acX_mean vs Slug



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

Left Out: -15.761 ± 3.475 χ^2/NDF : 25.4/9

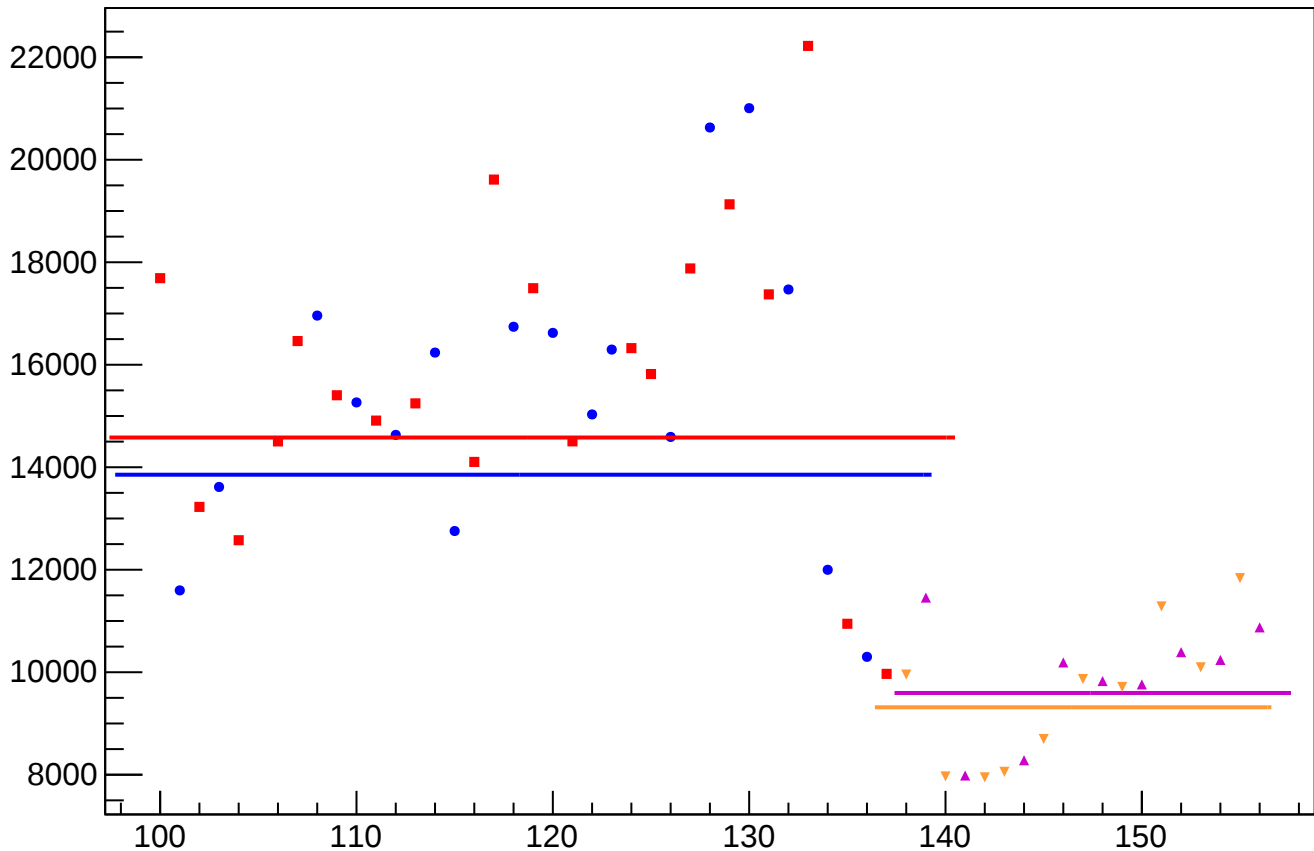
Right Out: -9.368 ± 5.556 χ^2/NDF : 15.7/19

Left In: -0.493 ± 3.576 χ^2/NDF : 7.1/8

-13.556 ± 2.937 χ^2/NDF : 49.4/26

-3.092 ± 3.007 χ^2/NDF : 24.5/28

diff_bpm4acX_rms vs Slug



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

Left Out: 9315.986+/-2.457 χ^2/NDF : 253163.0/9

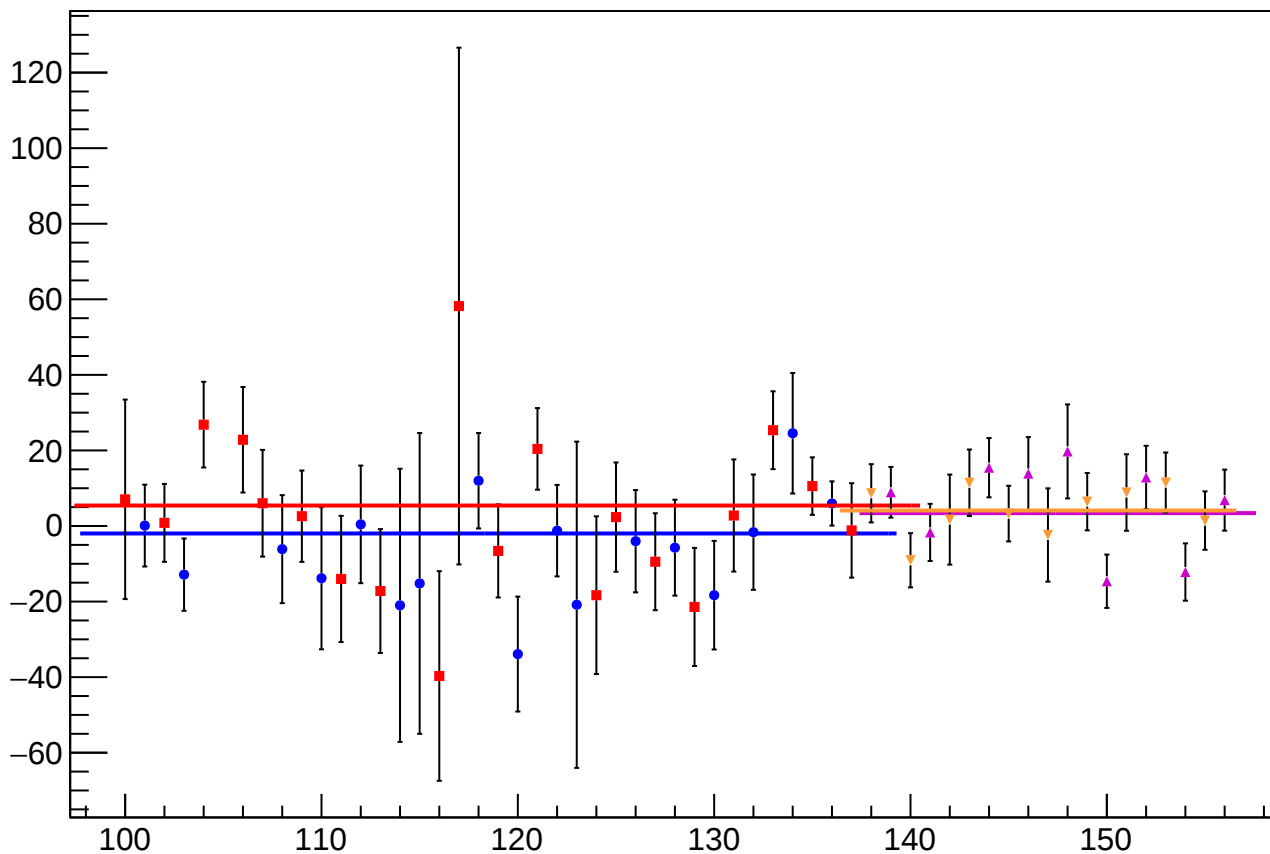
Right Out: 14579.863+/-3.929 χ^2/NDF : 480003.4/19

Left In: 9595.289+/-2.529 χ^2/NDF : 191619.9/8

10611.641+/-2.077 χ^2/NDF : 1827965.1/26

11055.341+/-2.126 χ^2/NDF : 1809664.4/28

diff_bpm4acY_mean vs Slug



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

Left Out: 4.105 ± 2.665 χ^2/NDF : 6.0/9

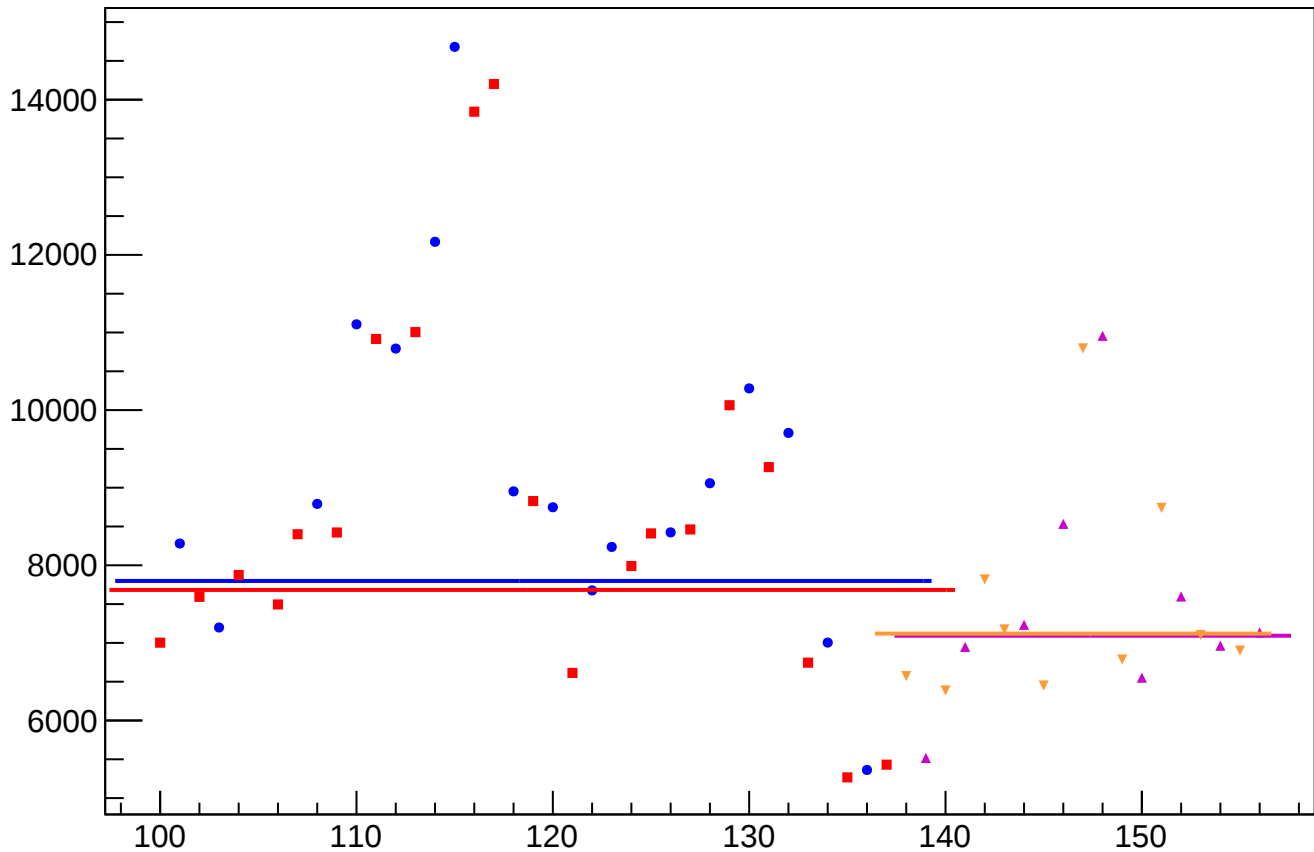
Right Out: 5.417 ± 2.956 χ^2/NDF : 24.9/19

Left In: 3.409 ± 2.671 χ^2/NDF : 18.6/8

1.514 ± 2.019 χ^2/NDF : 22.3/26

4.312 ± 1.982 χ^2/NDF : 43.7/28

diff_bpm4acY_rms vs Slug



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

Left Out: 7119.875+/-1.884 χ^2/NDF : 288344.5/9

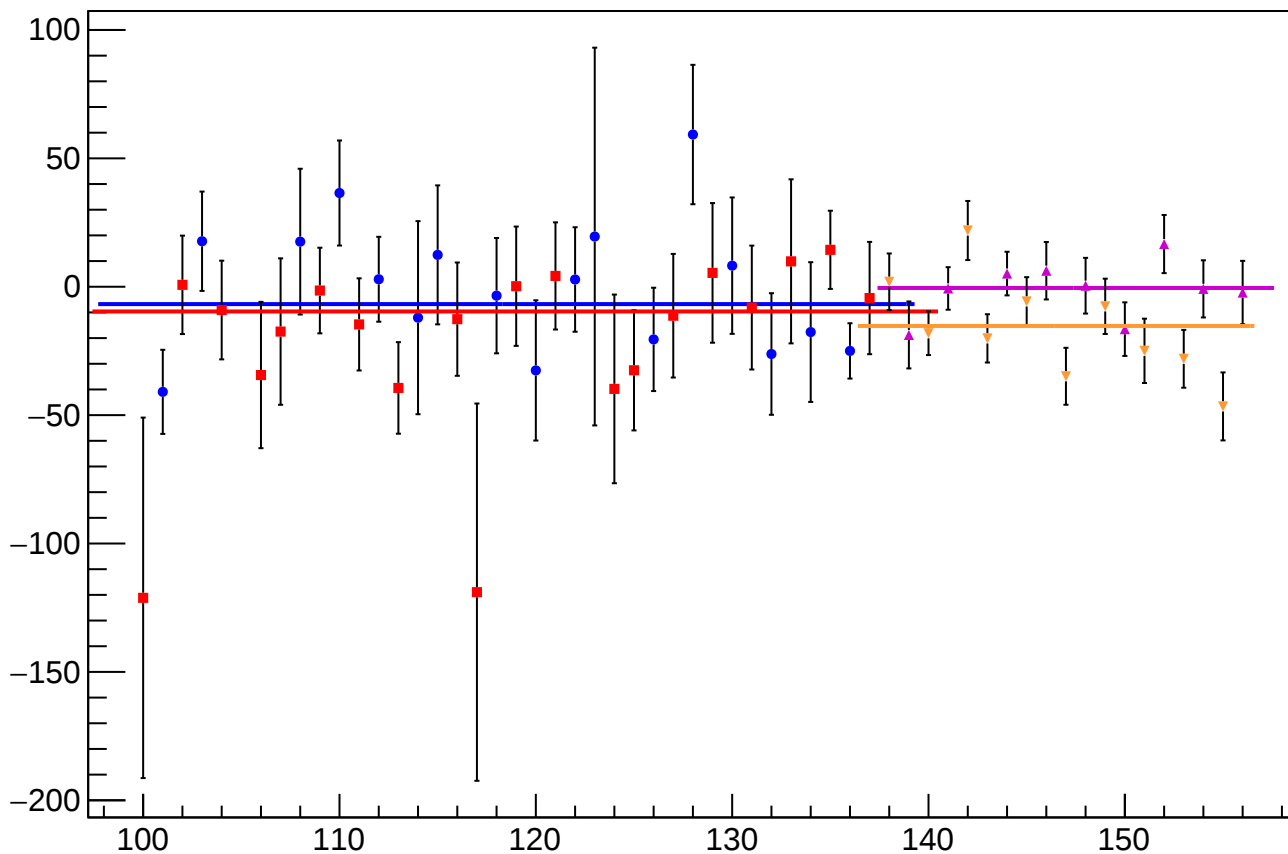
Right Out: 7682.786+/-2.090 χ^2/NDF : 690901.2/19

Left In: 7092.239+/-1.889 χ^2/NDF : 368740.5/8

7408.802+/-1.428 χ^2/NDF : 1079829.6/26

7357.736+/-1.401 χ^2/NDF : 1103586.0/28

diff_bpm4ecX_mean vs Slug



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

Left Out: -15.268 ± 3.354 χ^2/NDF : 25.4/9

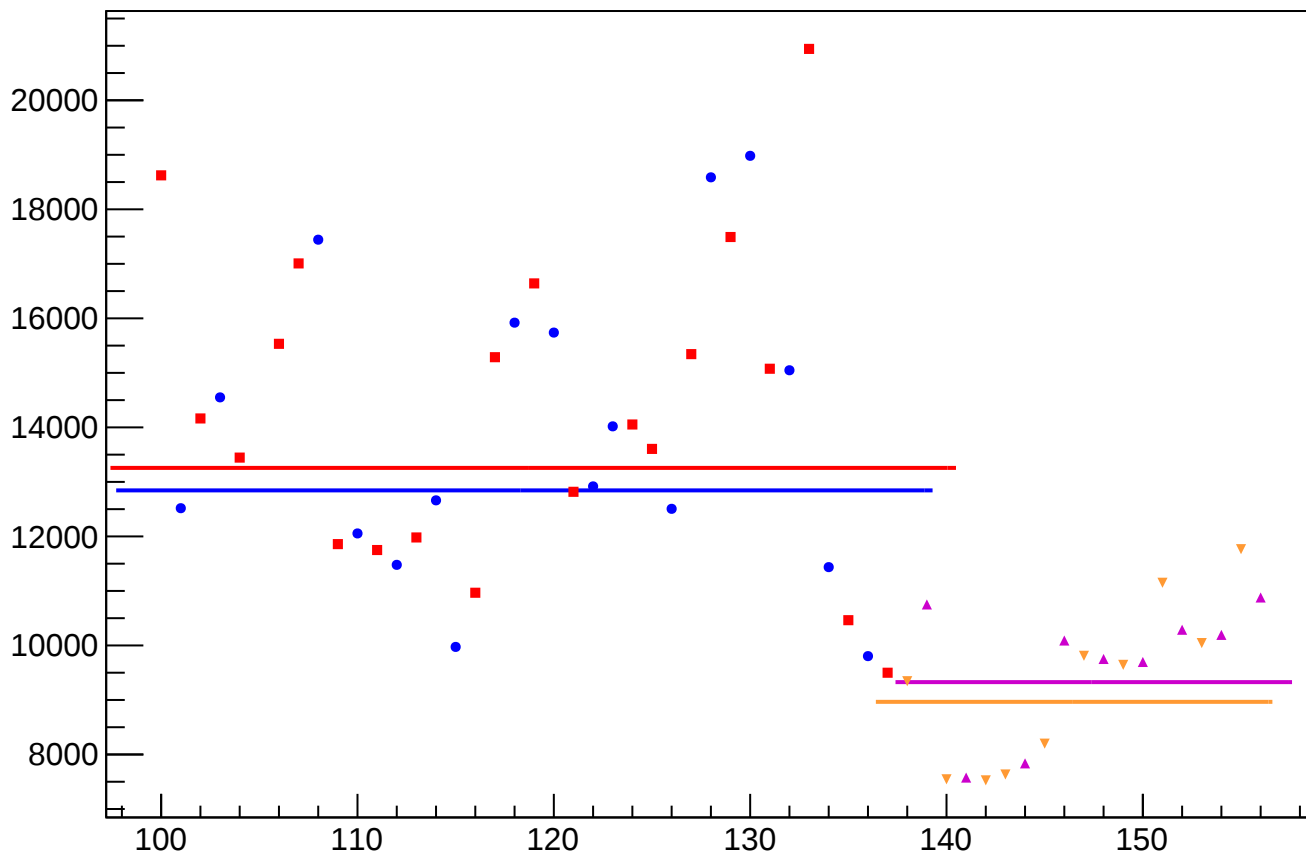
Right Out: -9.622 ± 5.058 χ^2/NDF : 14.5/19

Left In: -0.477 ± 3.483 χ^2/NDF : 7.4/8

-12.688 ± 2.800 χ^2/NDF : 51.0/26

-3.418 ± 2.869 χ^2/NDF : 24.1/28

diff_bpm4ecX_rms vs Slug



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

Left Out: 8965.719+/-2.372 χ^2/NDF :331173.0/9

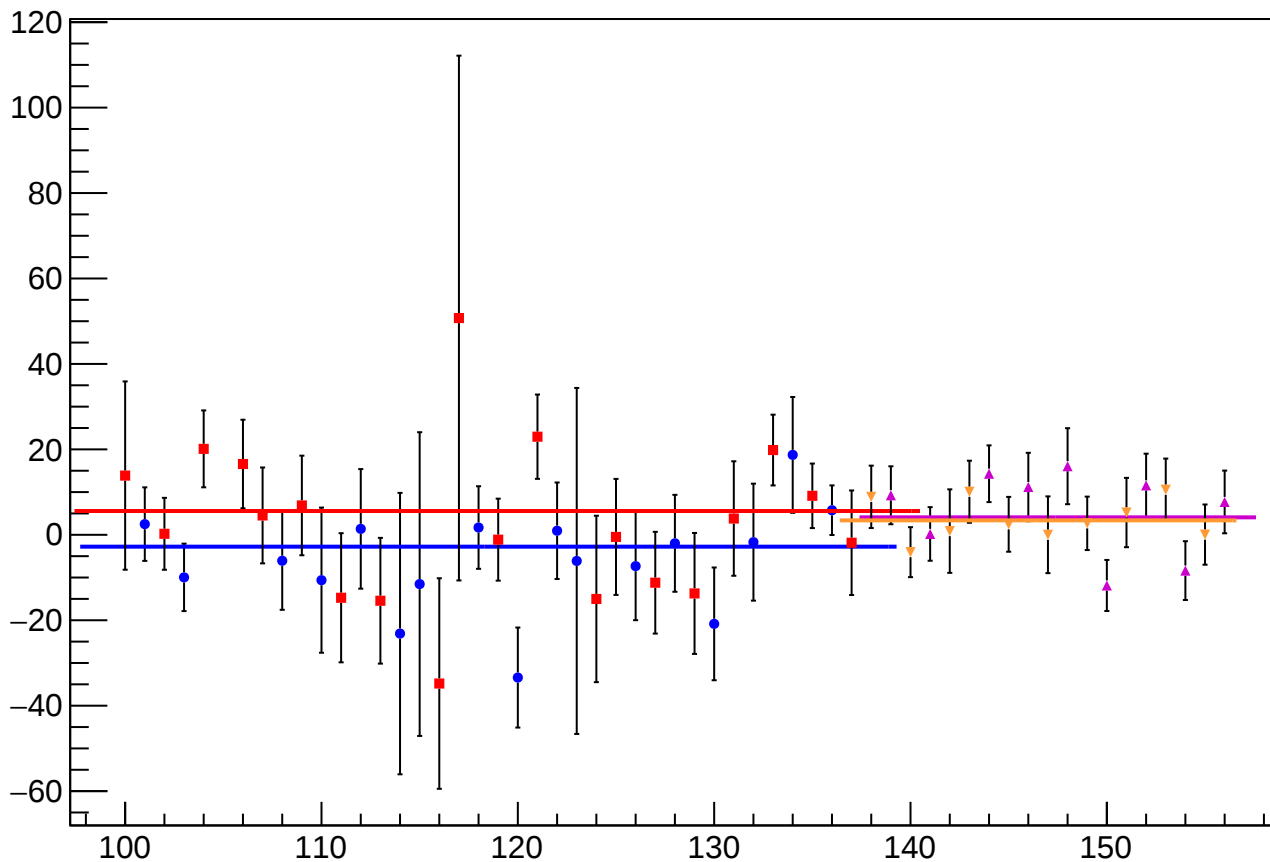
Right Out: 13256.926+/-3.577 χ^2/NDF : 487016.8/19

Left In: 9327.325+/-2.463 χ^2/NDF :247885.9/8

10141.806+/-1.980 χ^2/NDF : 1689298.9/26

10591.188+/-2.029 χ^2/NDF : 1553675.0/28

diff_bpm4ecY_mean vs Slug



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

Left Out: 3.381 ± 2.272 $\chi^2/\text{NDF}: 4.5/9$

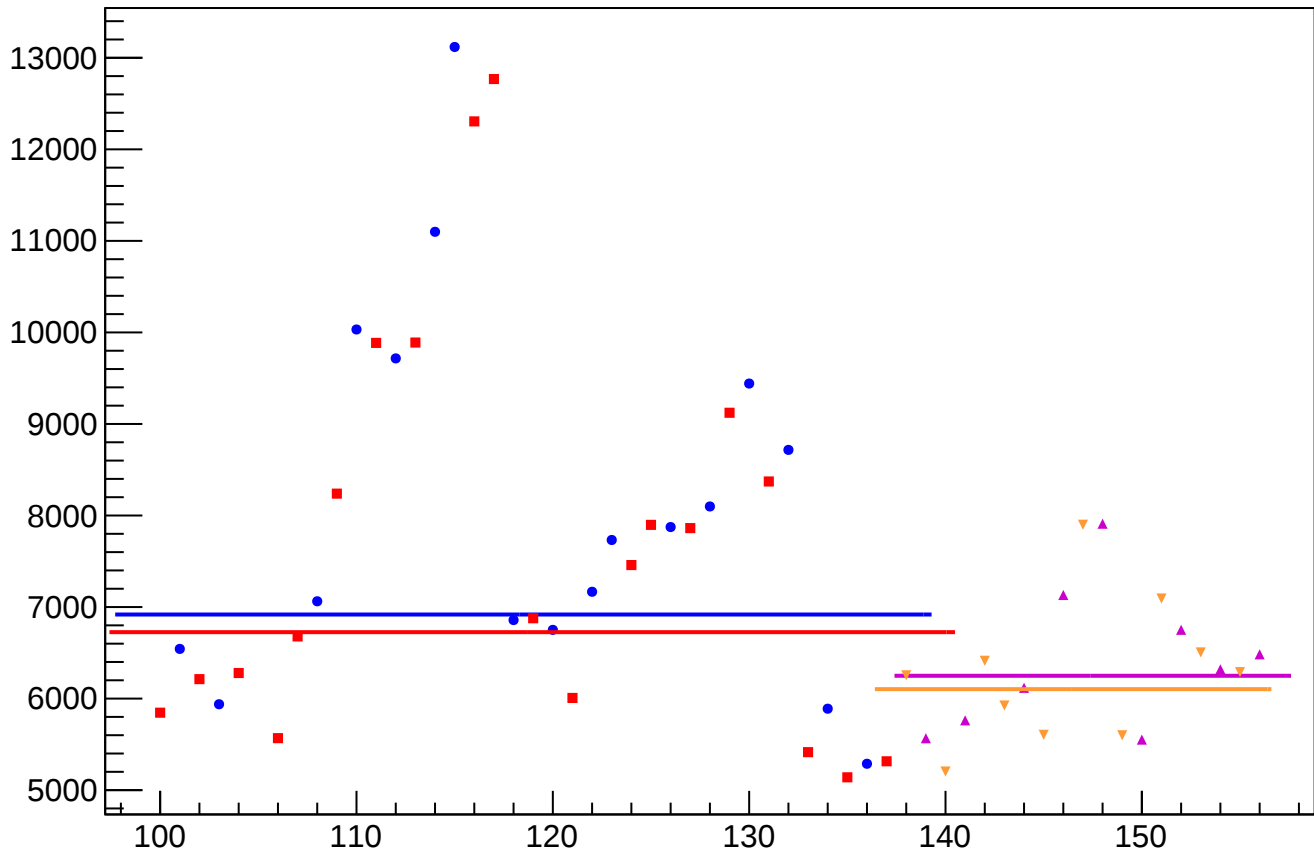
Right Out: 5.571 ± 2.585 $\chi^2/\text{NDF}: 23.7/19$

Left In: 4.090 ± 2.332 $\chi^2/\text{NDF}: 17.6/8$

0.864 ± 1.747 $\chi^2/\text{NDF}: 23.4/26$

4.754 ± 1.732 $\chi^2/\text{NDF}: 41.5/28$

diff_bpm4ecY_rms vs Slug



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

Left Out: 6103.122+/-1.606 χ^2/NDF :193618.5/9

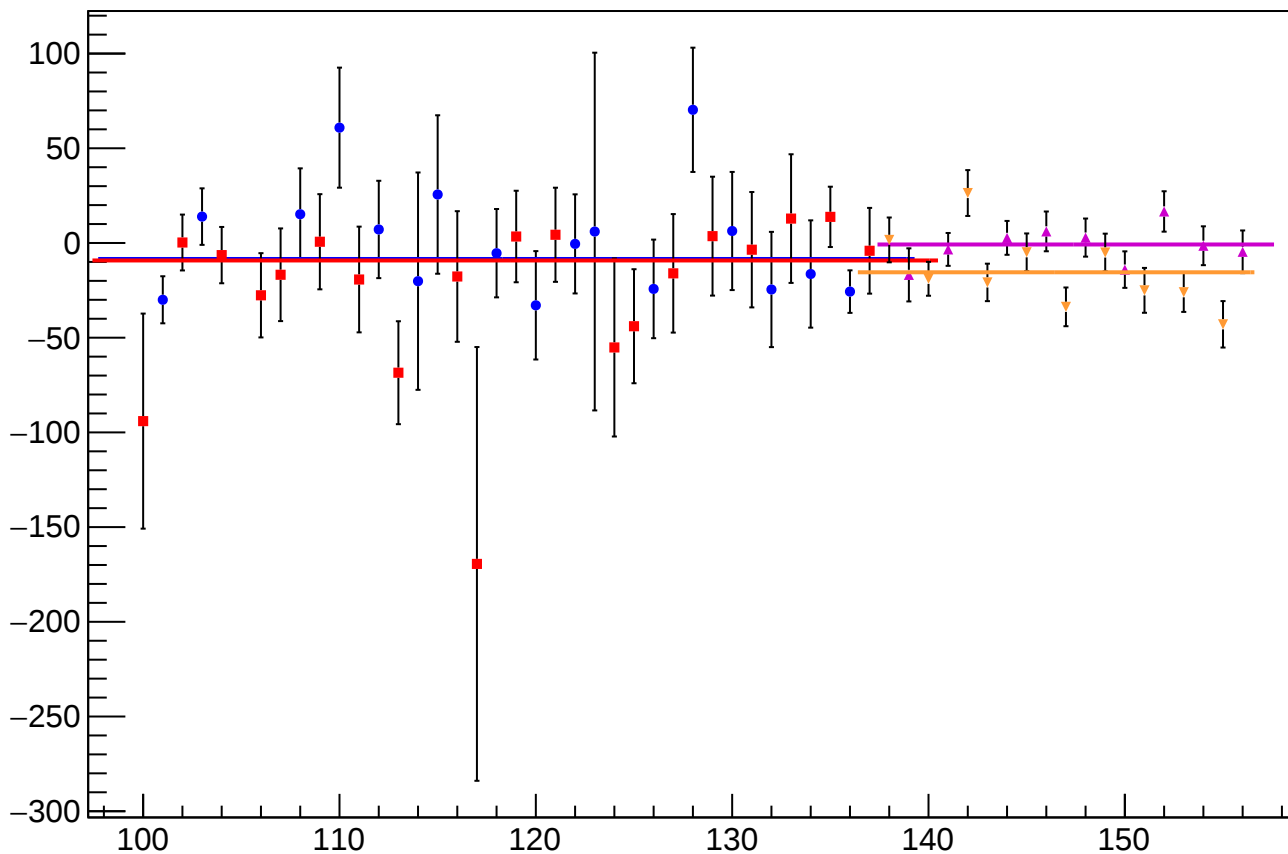
Right Out: 6725.745+/-1.828 χ^2/NDF : 675399.9/19

Left In: 6249.354+/-1.649 χ^2/NDF :165770.3/8

6436.509+/-1.235 χ^2/NDF : 885985.4/26

6463.076+/-1.224 χ^2/NDF : 878618.5/28

diff_bpm1X_mean vs Slug



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

Left Out: -15.470 ± 3.342 $\chi^2/\text{NDF}: 26.6/9$

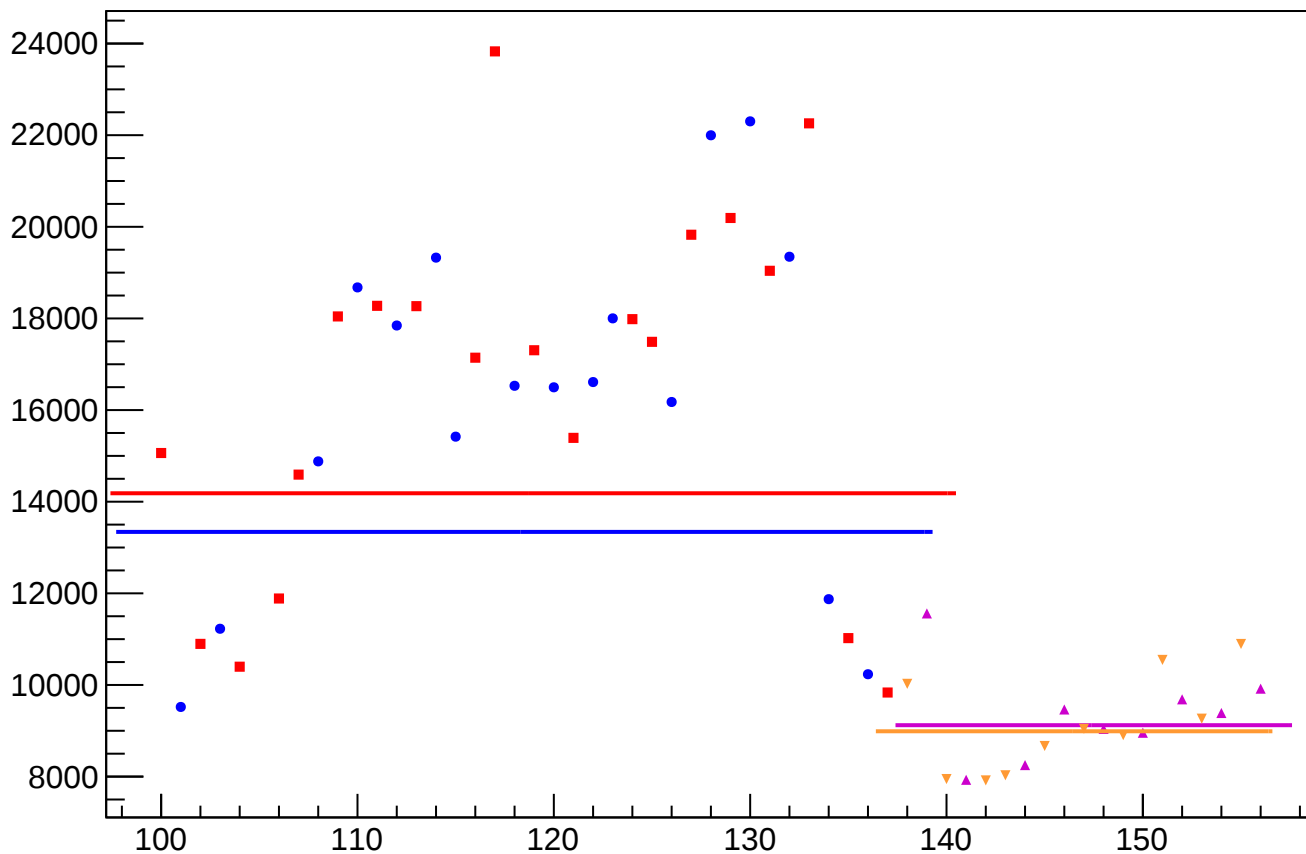
Right Out: -9.224 ± 5.502 $\chi^2/\text{NDF}: 16.2/19$

Left In: -0.793 ± 3.394 $\chi^2/\text{NDF}: 6.8/8$

-13.522 ± 2.841 $\chi^2/\text{NDF}: 49.8/26$

-3.117 ± 2.889 $\chi^2/\text{NDF}: 24.7/28$

diff_bpm1X_rms vs Slug



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

Left Out: 8989.208+/-2.363 χ^2/NDF :163619.1/9

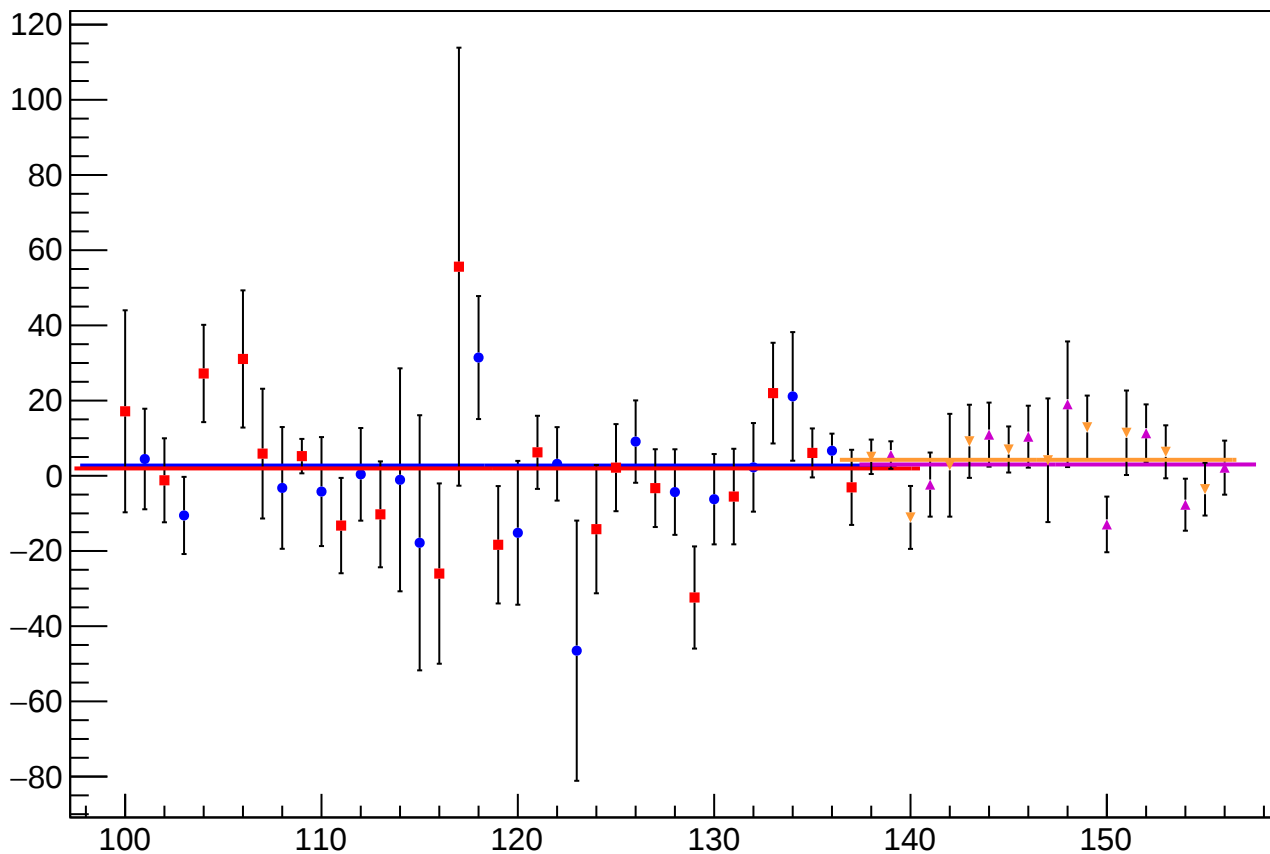
Right Out: 14184.146+/-3.891 χ^2/NDF : 946010.4/19

Left In: 9121.994+/-2.400 χ^2/NDF :137157.1/8

10196.713+/-2.009 χ^2/NDF : 2149123.5/26

10517.443+/-2.043 χ^2/NDF : 2309475.1/28

diff_bpm1Y_mean vs Slug



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

Left Out: 4.248 $\pm$ 2.421 χ^2 /NDF: 6.6/9

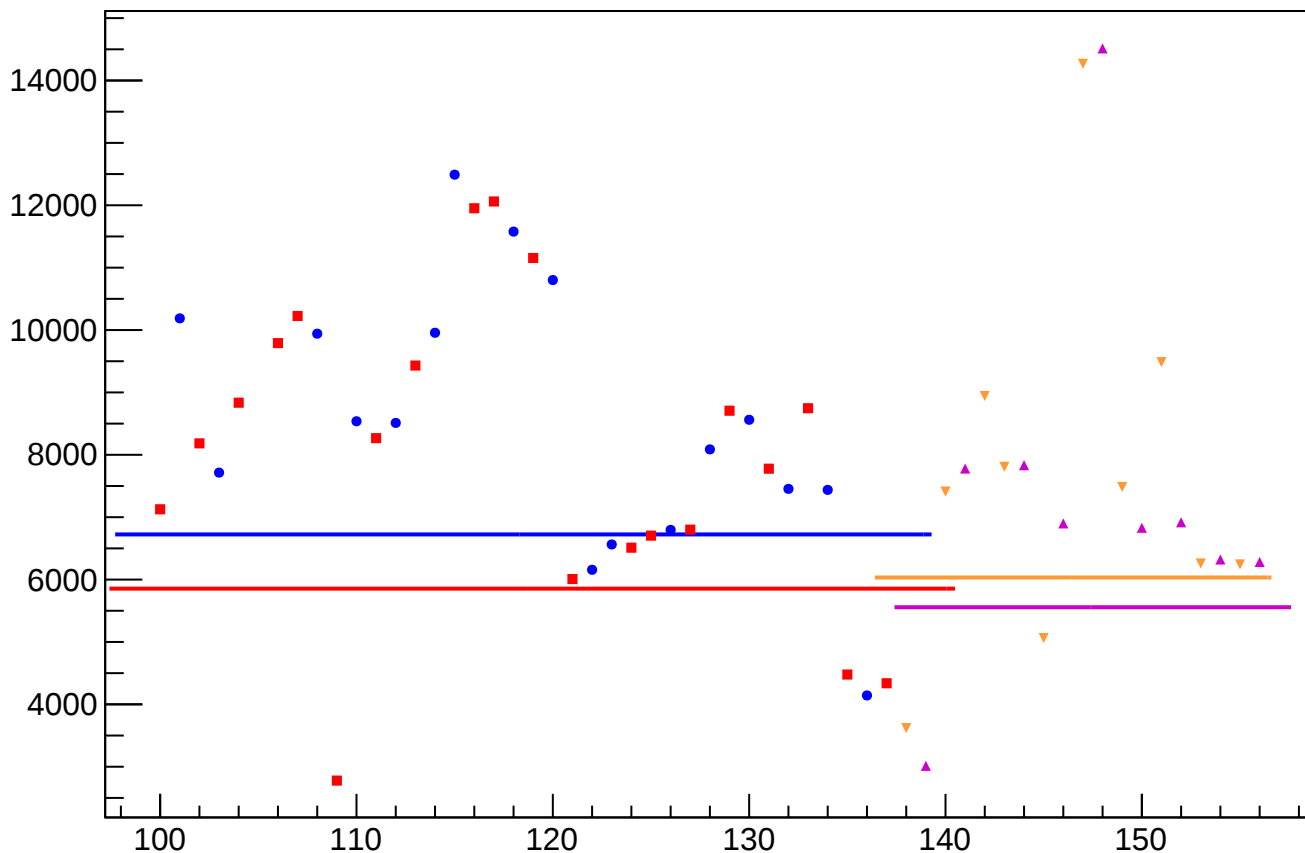
Right Out: 1.955 $\pm$ 2.437 χ^2 /NDF: 24.4/19

Left In: 3.009 $\pm$ 2.257 χ^2 /NDF: 11.7/8

3.580 $\pm$ 1.818 χ^2 /NDF: 18.5/26

2.522 $\pm$ 1.656 χ^2 /NDF: 36.2/28

diff_bpm1Y_rms vs Slug



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

Left Out: 6033.411+/-1.712 χ^2/NDF :1570393.9/9

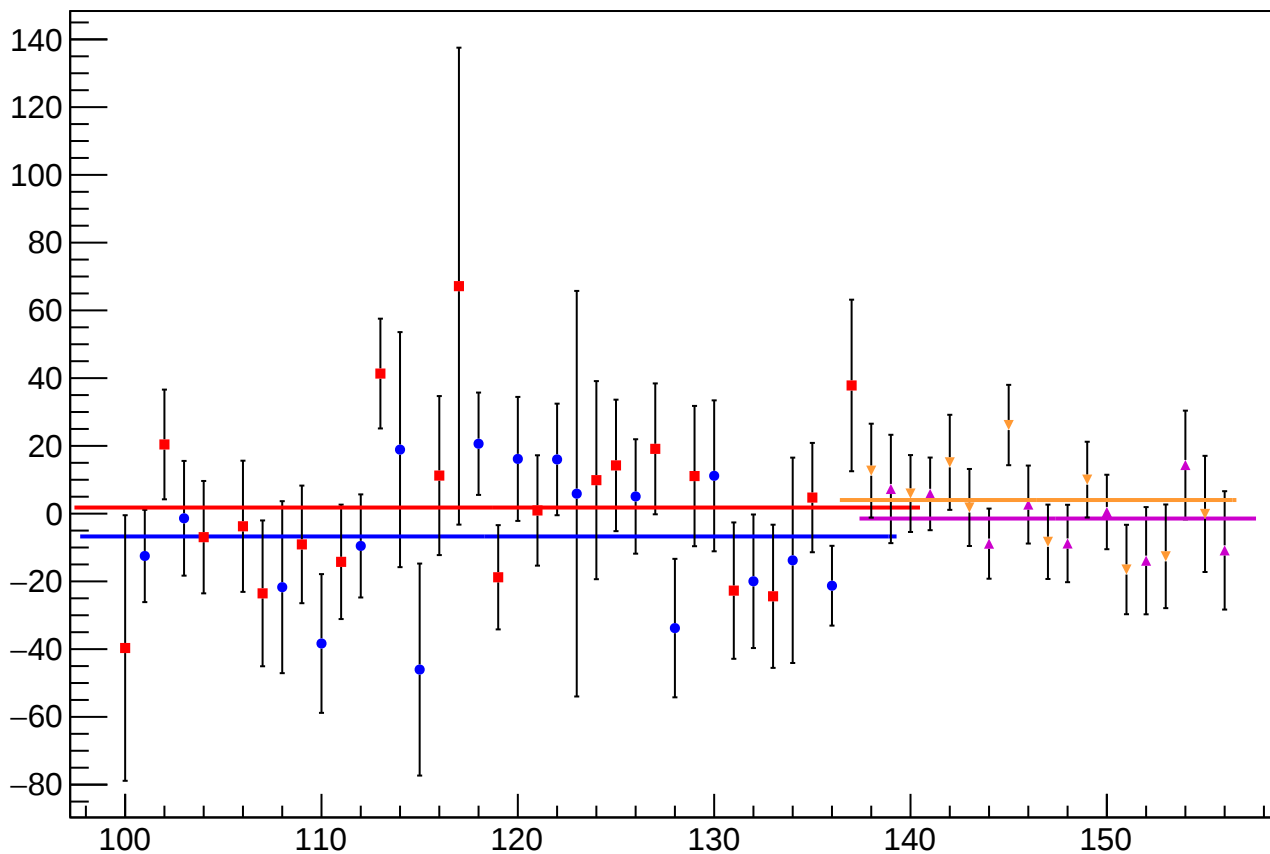
Right Out: 5854.708+/-1.723 χ^2/NDF : 2299964.9/19

Left In: 5556.882+/-1.596 χ^2/NDF :2041776.6/8

6334.635+/-1.285 χ^2/NDF : 3033437.6/26

5694.435+/-1.171 χ^2/NDF : 4357819.4/28

diff_bpm11X_mean vs Slug



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

Left Out: 4.019+/-3.997 χ^2/NDF : 9.8/9

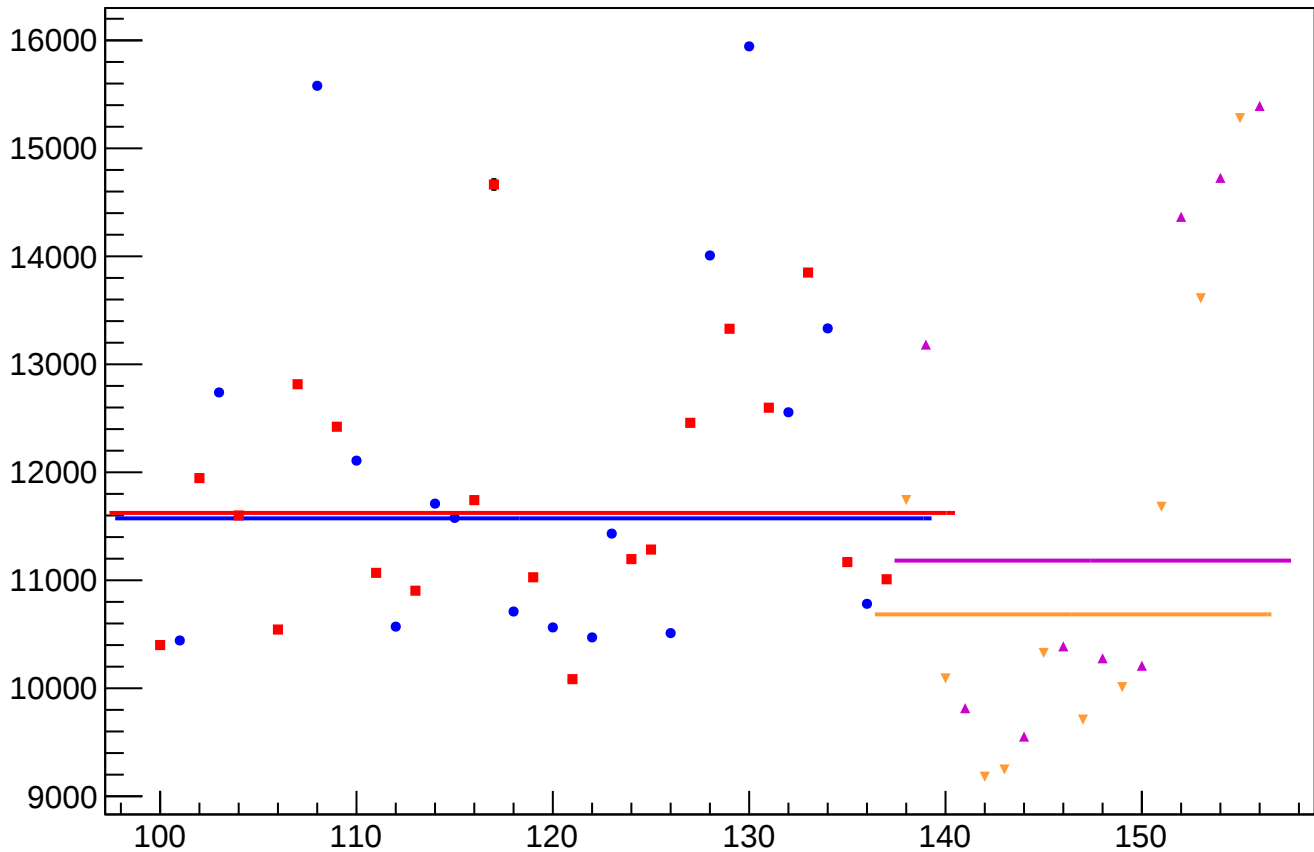
Right Out: 1.802+/-4.364 χ^2/NDF : 20.8/19

Left In: -1.448+/-4.204 χ^2/NDF : 3.7/8

-0.709+/-2.992 χ^2/NDF : 29.8/26

0.116+/-3.028 χ^2/NDF : 24.8/28

diff_bpm11X_rms vs Slug



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

Left Out: 10684.274 ± 2.826 χ^2/NDF : 325100.3/9

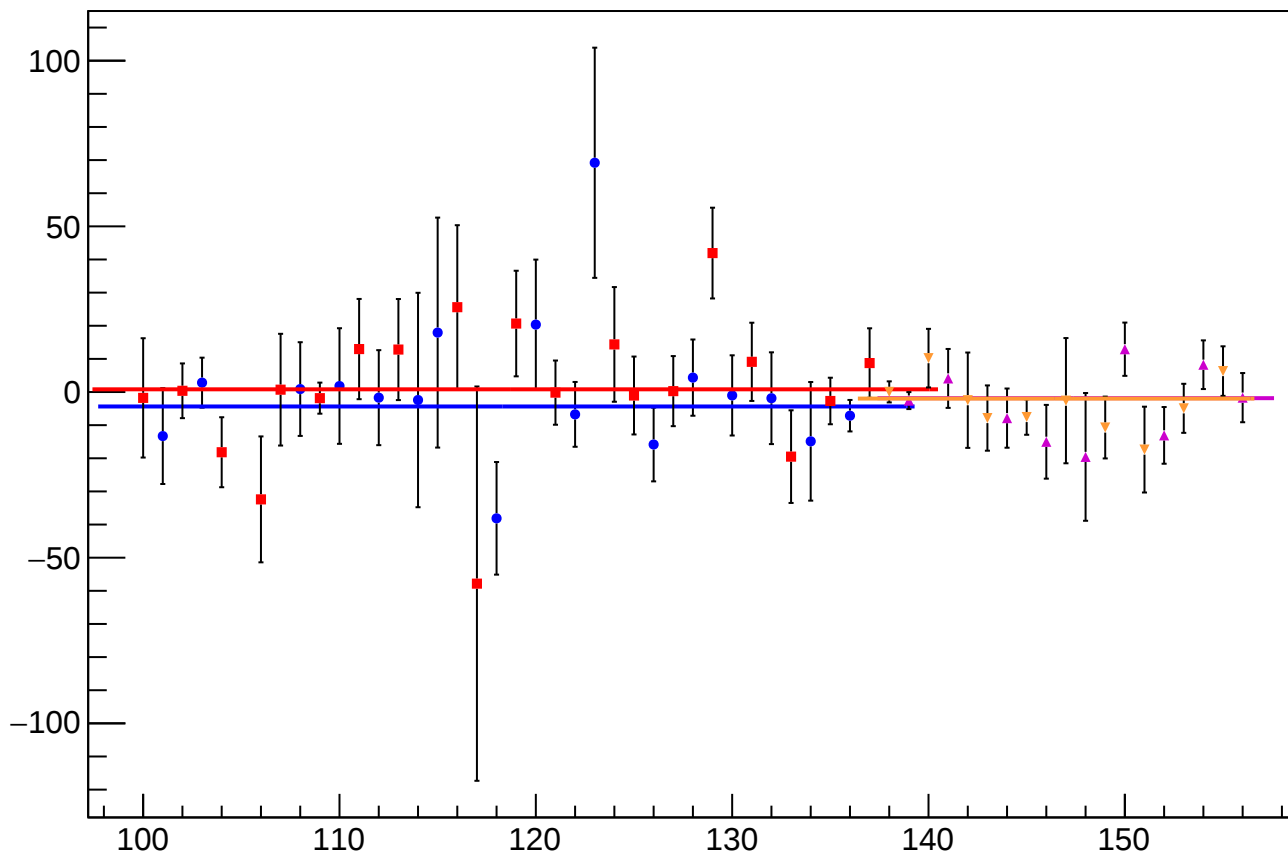
Right Out: 11623.951 ± 3.086 χ^2/NDF : 98055.0/19

Left In: 11182.330 ± 2.973 χ^2/NDF : 445746.4/8

11075.168 ± 2.116 χ^2/NDF : 607349.6/26

11394.902 ± 2.141 χ^2/NDF : 554424.4/28

diff_bpm11Y_mean vs Slug



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

Left Out: -1.980 ± 2.141 χ^2/NDF : 7.4/9

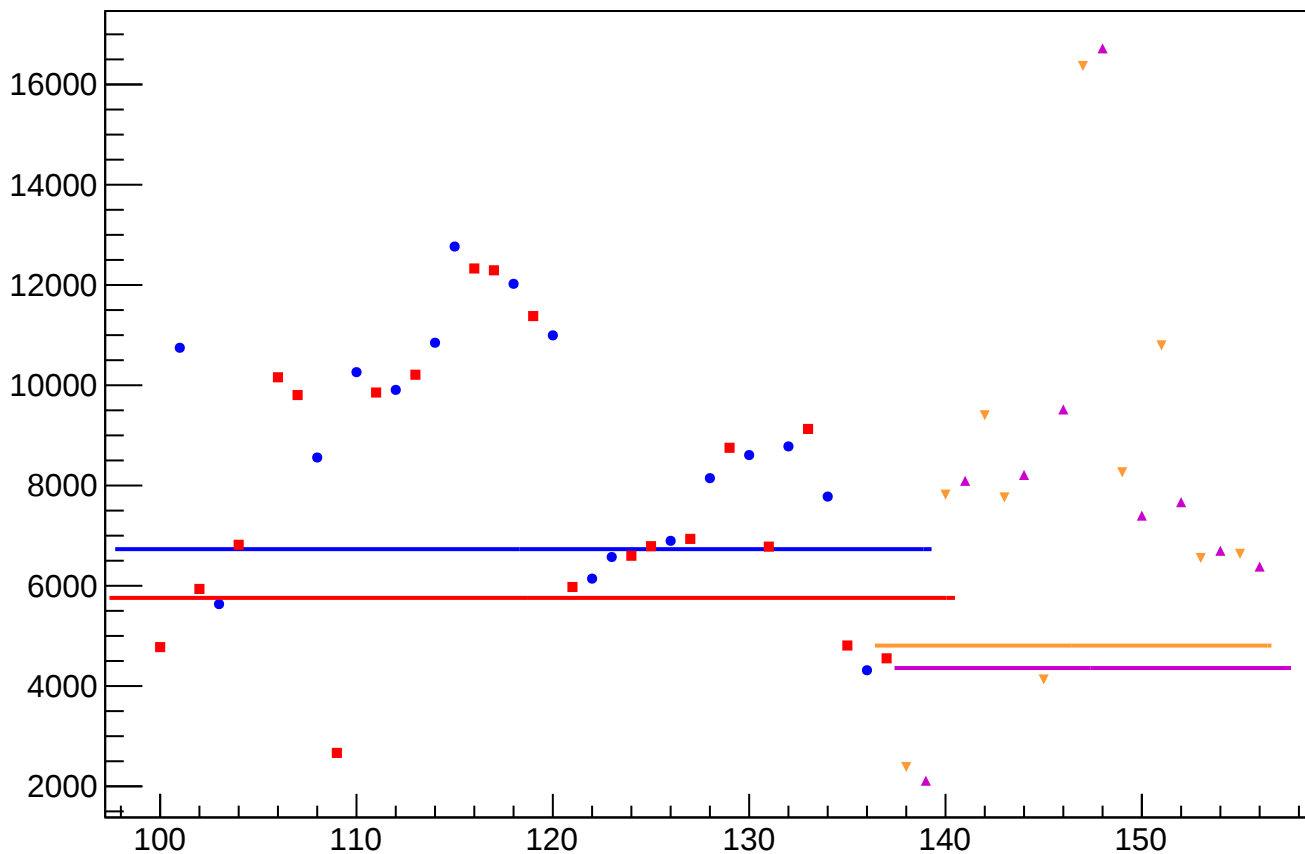
Right Out: 0.816 ± 2.424 χ^2/NDF : 24.5/19

Left In: -1.855 ± 1.983 χ^2/NDF : 10.2/8

-2.868 ± 1.695 χ^2/NDF : 22.4/26

-0.784 ± 1.535 χ^2/NDF : 35.5/28

diff_bpm11Y_rms vs Slug



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

Left Out: 4807.286+/-1.514 χ^2/NDF : 3491624.4/9

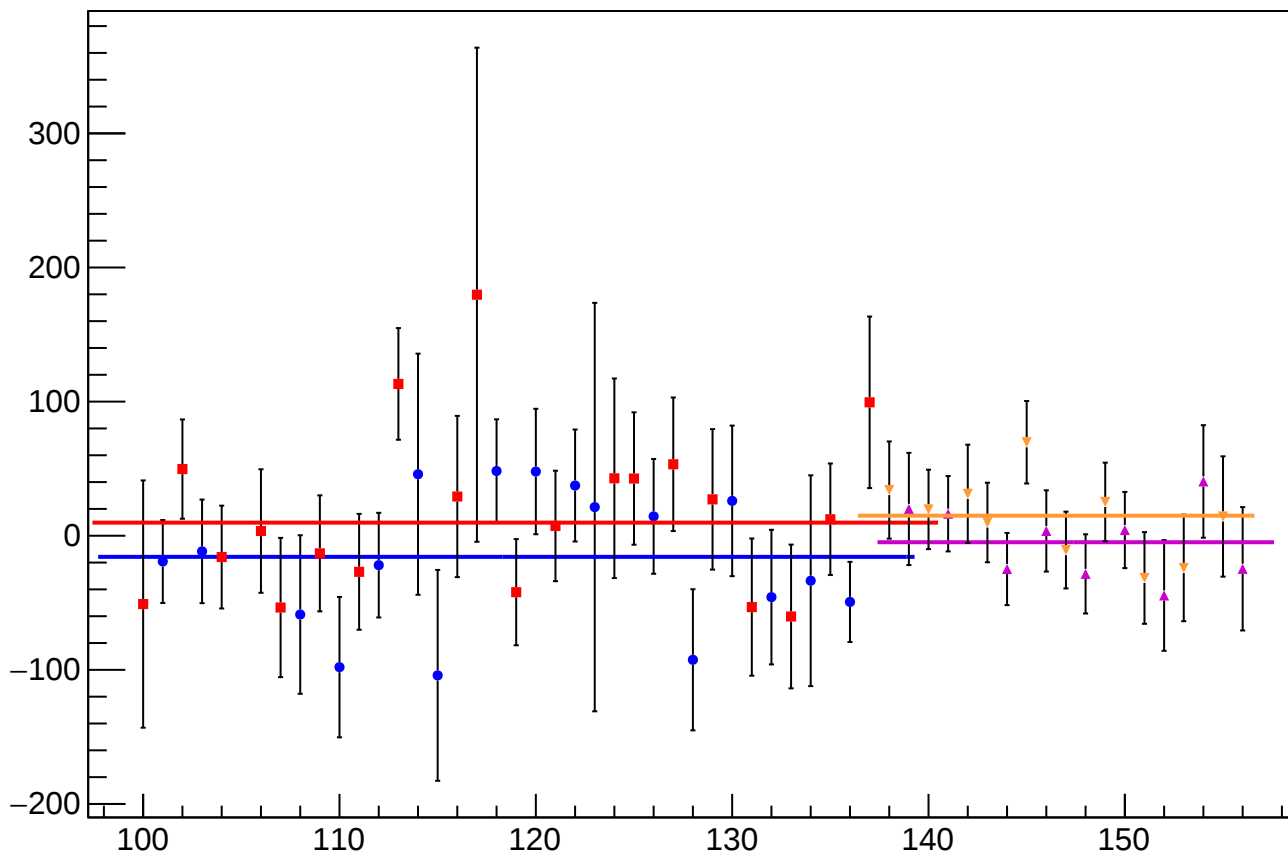
Right Out: 5758.506+/-1.714 χ^2/NDF : 2186395.0/19

Left In: 4359.408+/-1.402 χ^2/NDF : 4452974.5/8

5524.435+/-1.199 χ^2/NDF : 5538920.9/26

4920.450+/-1.085 χ^2/NDF : 7038448.3/28

diff_bpm12X_mean vs Slug



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

Left Out: 14.960 ± 10.419 $\chi^2/\text{NDF}: 7.4/9$

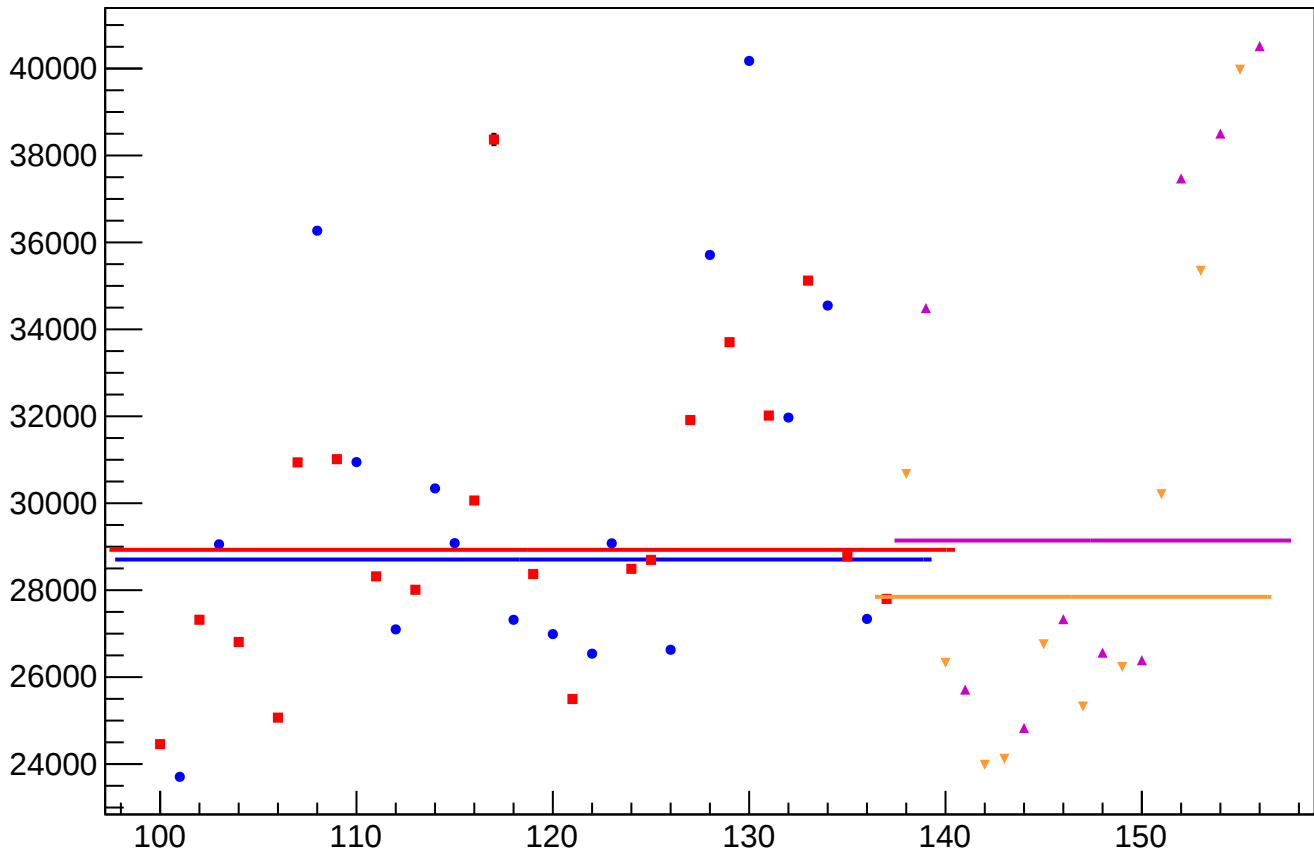
Right Out: 9.773 ± 10.870 $\chi^2/\text{NDF}: 20.1/19$

Left In: -4.842 ± 10.961 $\chi^2/\text{NDF}: 4.6/8$

0.722 ± 7.631 $\chi^2/\text{NDF}: 27.4/26$

2.526 ± 7.718 $\chi^2/\text{NDF}: 25.6/28$

diff_bpm12X_rms vs Slug



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

Left Out: 27846.800+/-7.368 χ^2/NDF : 322260.8/9

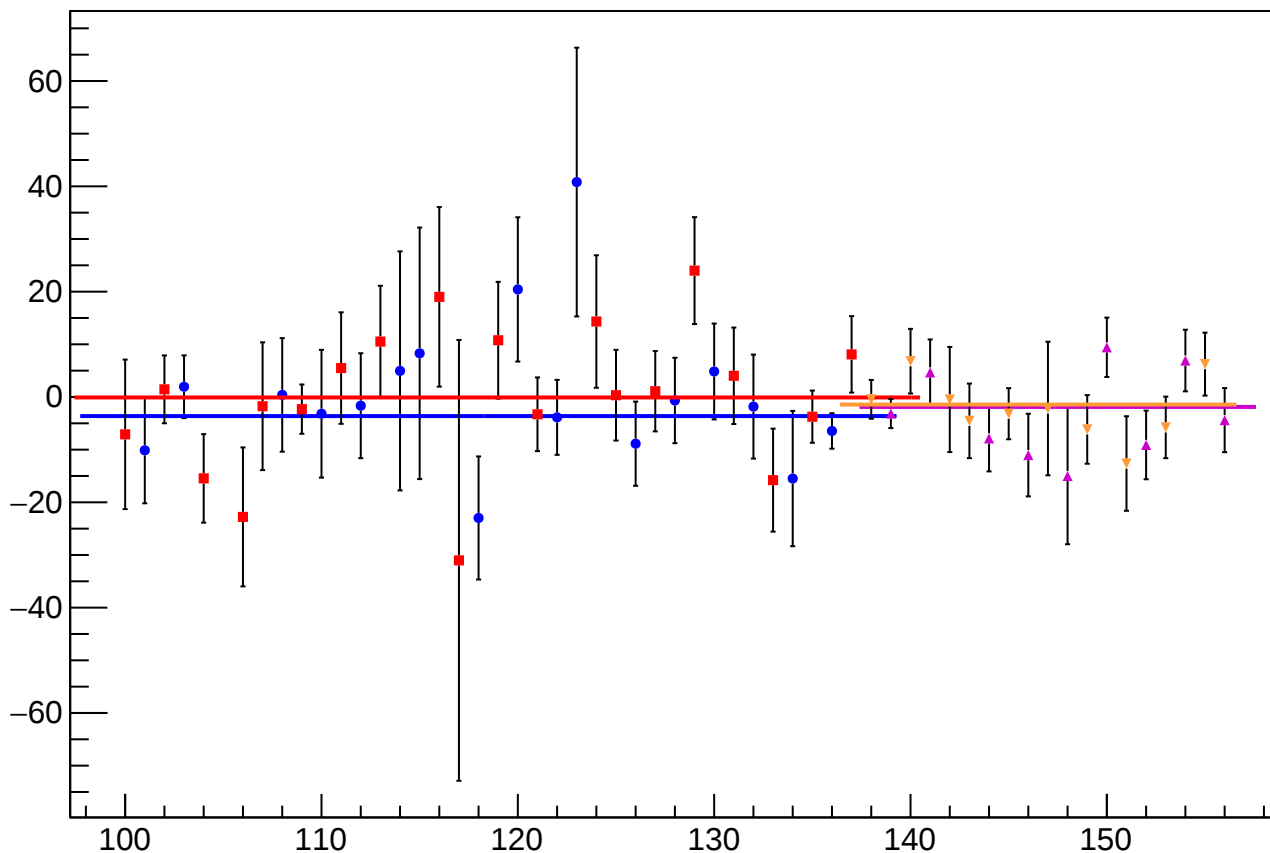
28244.932+/-5.396 χ^2/NDF : 579552.0/26

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

29034.486+/-5.458 χ^2/NDF : 575185.9/28

Left In: 29142.238+/-7.751 χ^2/NDF : 458320.1/8

diff_bpm12Y_mean vs Slug



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

Left Out: -1.441 ± 1.917 χ^2/NDF : 6.5/9

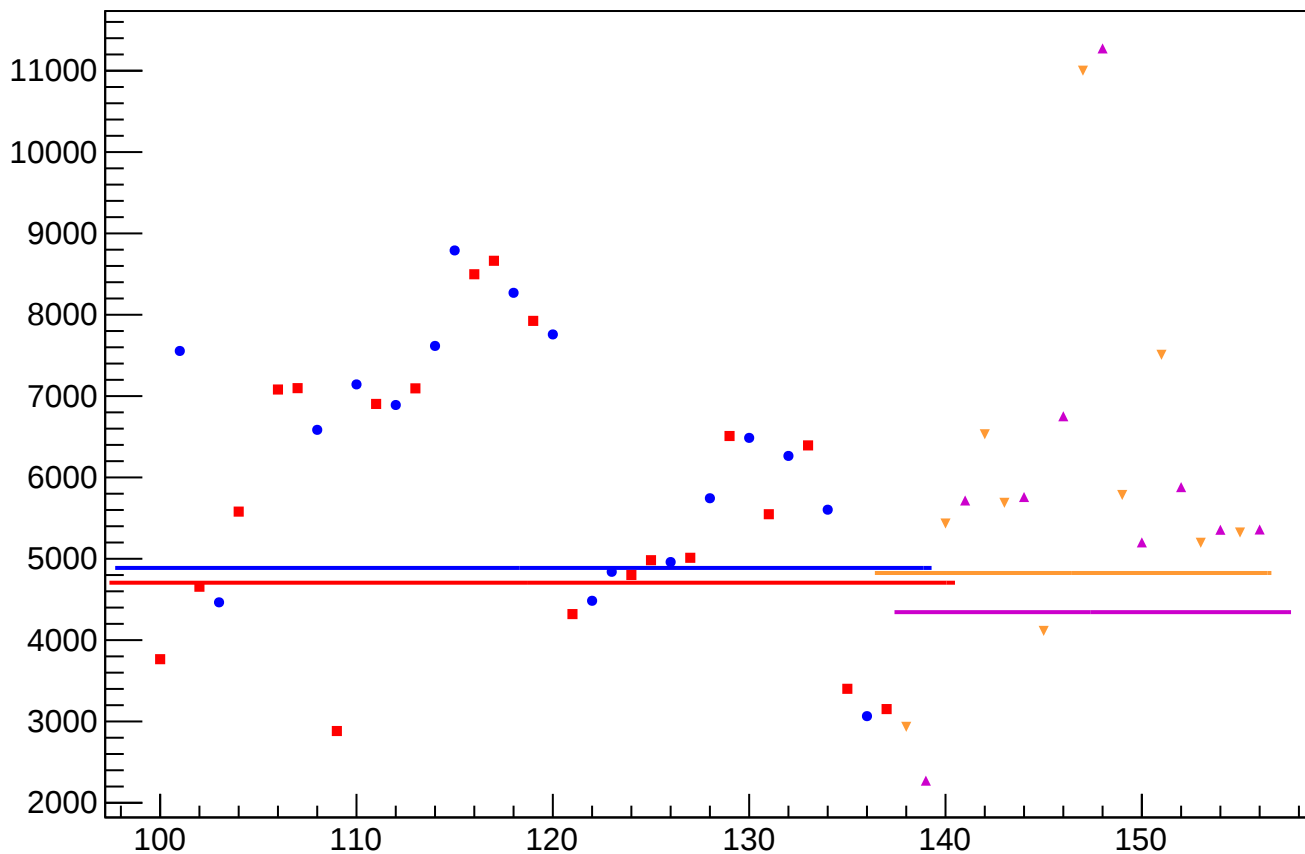
Right Out: -0.090 ± 1.888 χ^2/NDF : 22.6/19

Left In: -1.887 ± 1.780 χ^2/NDF : 12.3/8

-2.483 ± 1.386 χ^2/NDF : 20.8/26

-1.042 ± 1.295 χ^2/NDF : 35.4/28

diff_bpm12Y_rms vs Slug



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

Left Out: 4825.328+/-1.355 χ^2/NDF :1395971.2/9

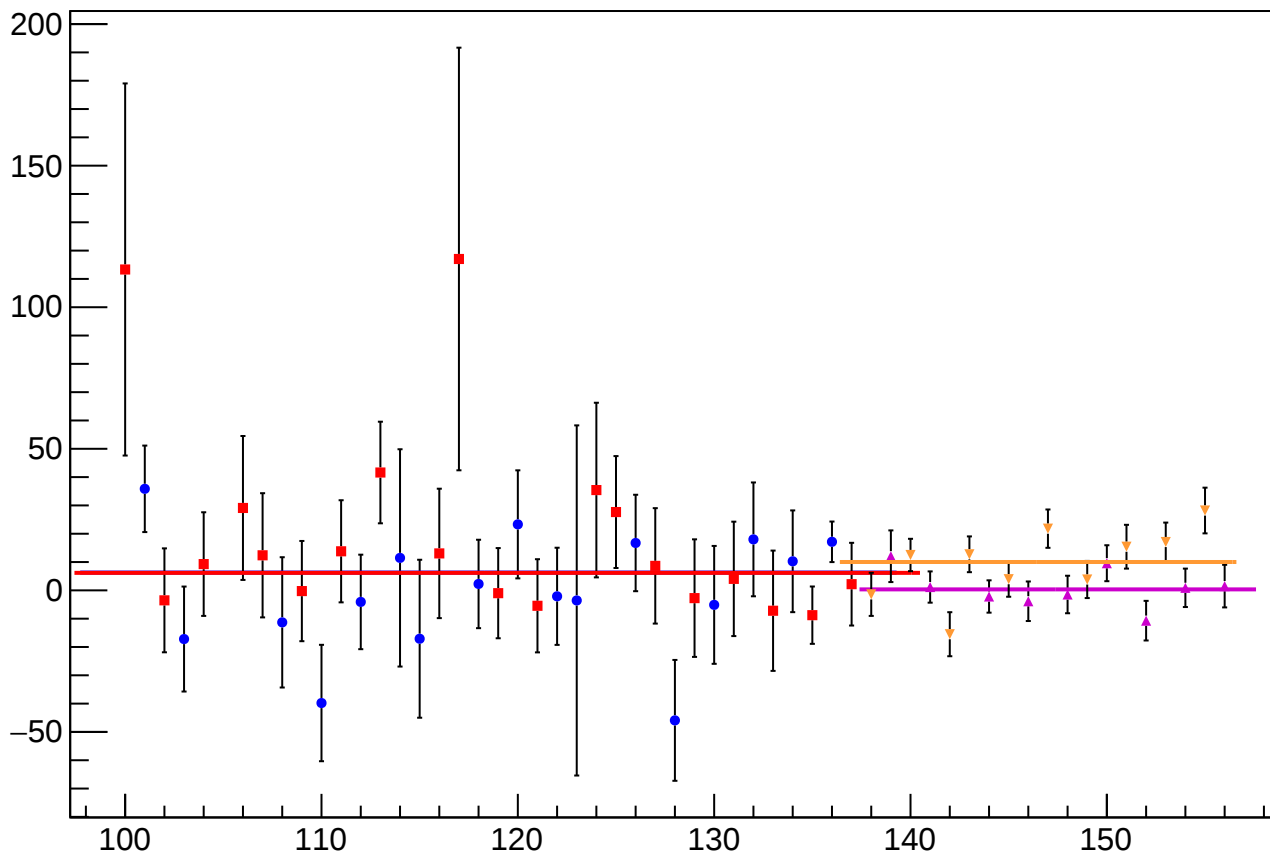
Right Out: 4705.797+/-1.335 χ^2/NDF : 1331043.3/19

Left In: 4343.884+/-1.259 χ^2/NDF :2357838.2/8

4855.007+/-0.980 χ^2/NDF : 2806272.7/26

4514.229+/-0.916 χ^2/NDF : 3727780.6/28

diff_bpm16X_mean vs Slug



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

Left Out: 10.019 ± 2.163 $\chi^2/\text{NDF}: 24.9/9$

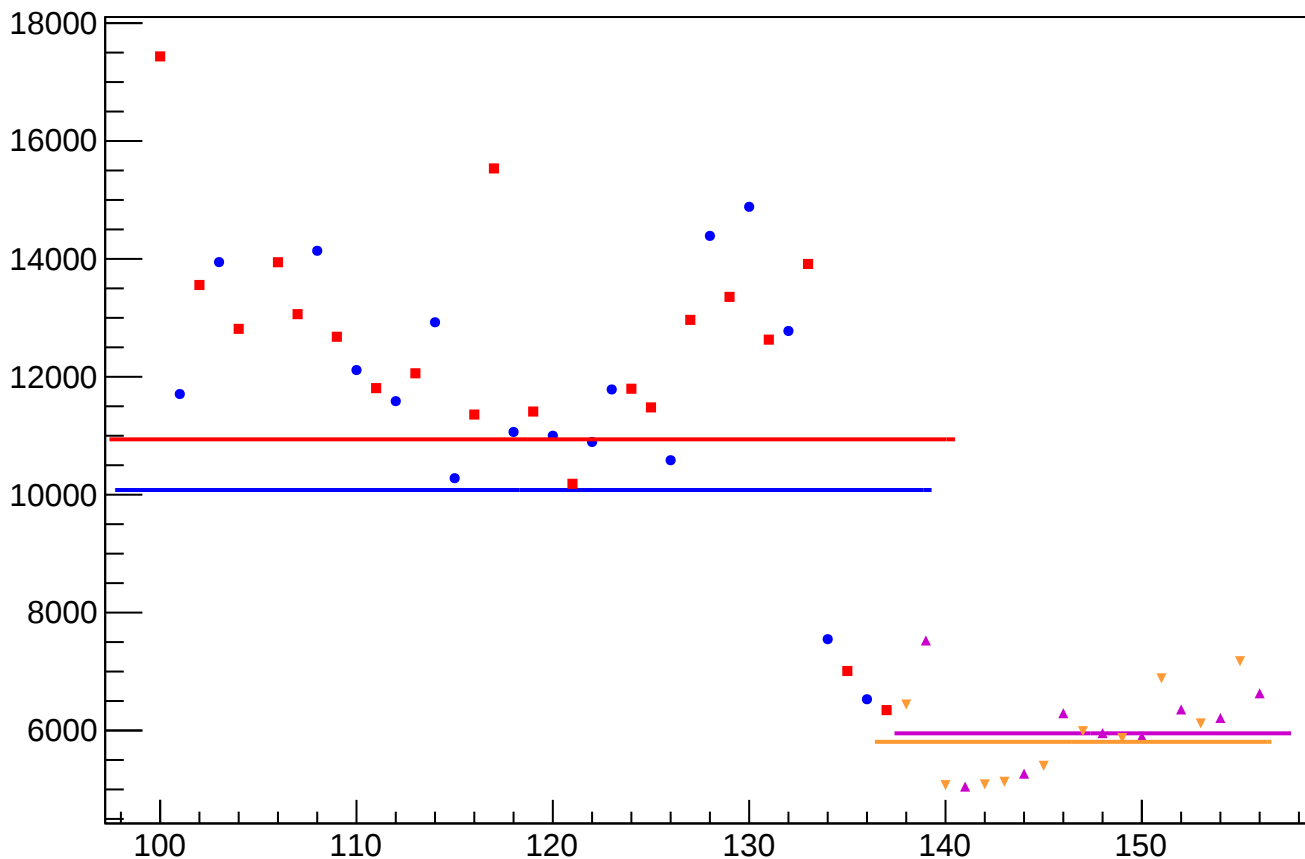
Right Out: 6.182 ± 4.212 $\chi^2/\text{NDF}: 16.0/19$

Left In: 0.344 ± 2.217 $\chi^2/\text{NDF}: 6.9/8$

9.195 ± 1.909 $\chi^2/\text{NDF}: 48.1/26$

1.611 ± 1.962 $\chi^2/\text{NDF}: 24.5/28$

diff_bpm16X_rms vs Slug



Right In: 10079.454 $\pm$ 2.874 χ^2 /NDF: 994683.1/16

Left Out: 5807.699 $\pm$ 1.529 χ^2 /NDF:197685.9/9

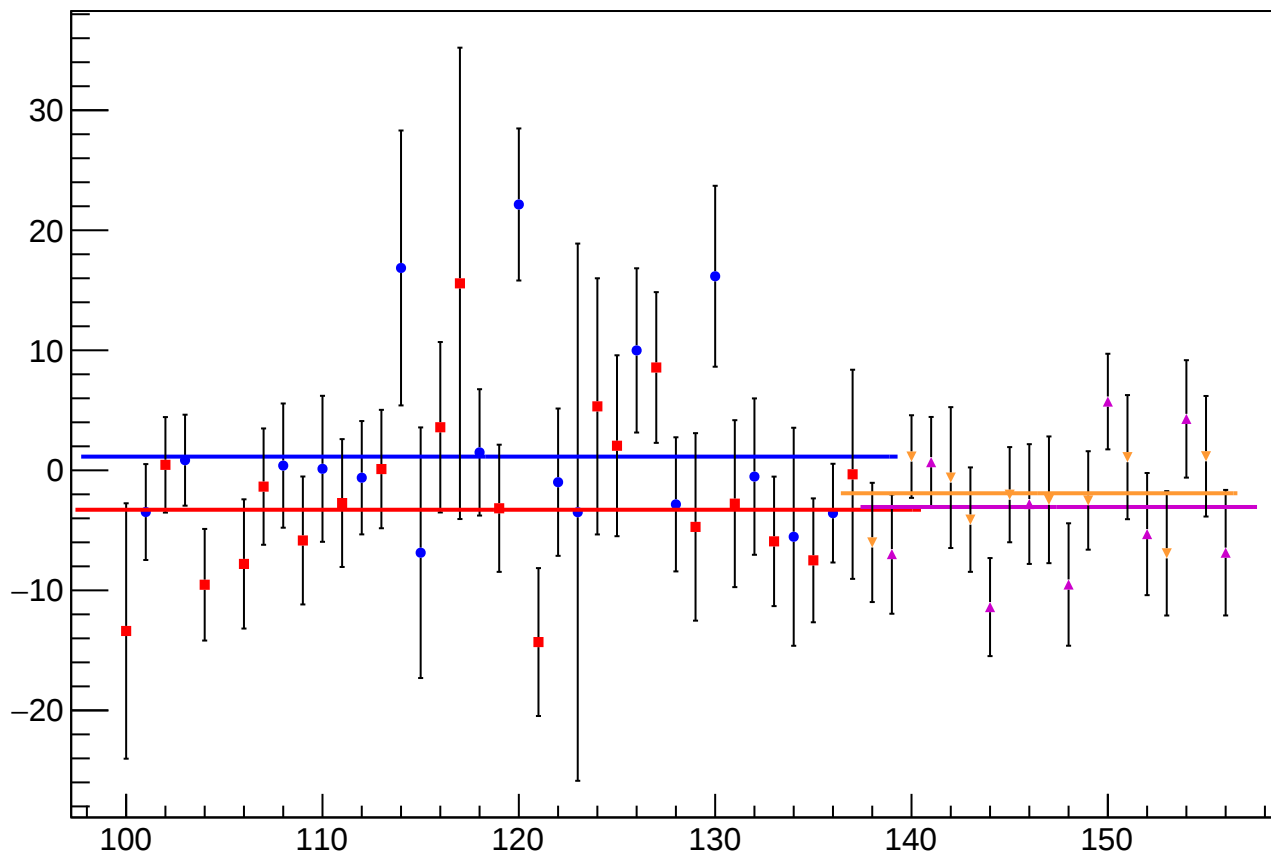
6750.452 $\pm$ 1.350 χ^2 /NDF: 2914299.3/26

Right Out: 10939.227 $\pm$ 2.979 χ^2 /NDF: 776055.3/19

7034.041 $\pm$ 1.387 χ^2 /NDF: 3143959.7/28

Left In: 5952.089 $\pm$ 1.568 χ^2 /NDF:172714.8/8

diff_bpm16Y_mean vs Slug



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

Left Out: -1.911 $\pm$ 1.443 χ^2 /NDF: 3.5/9

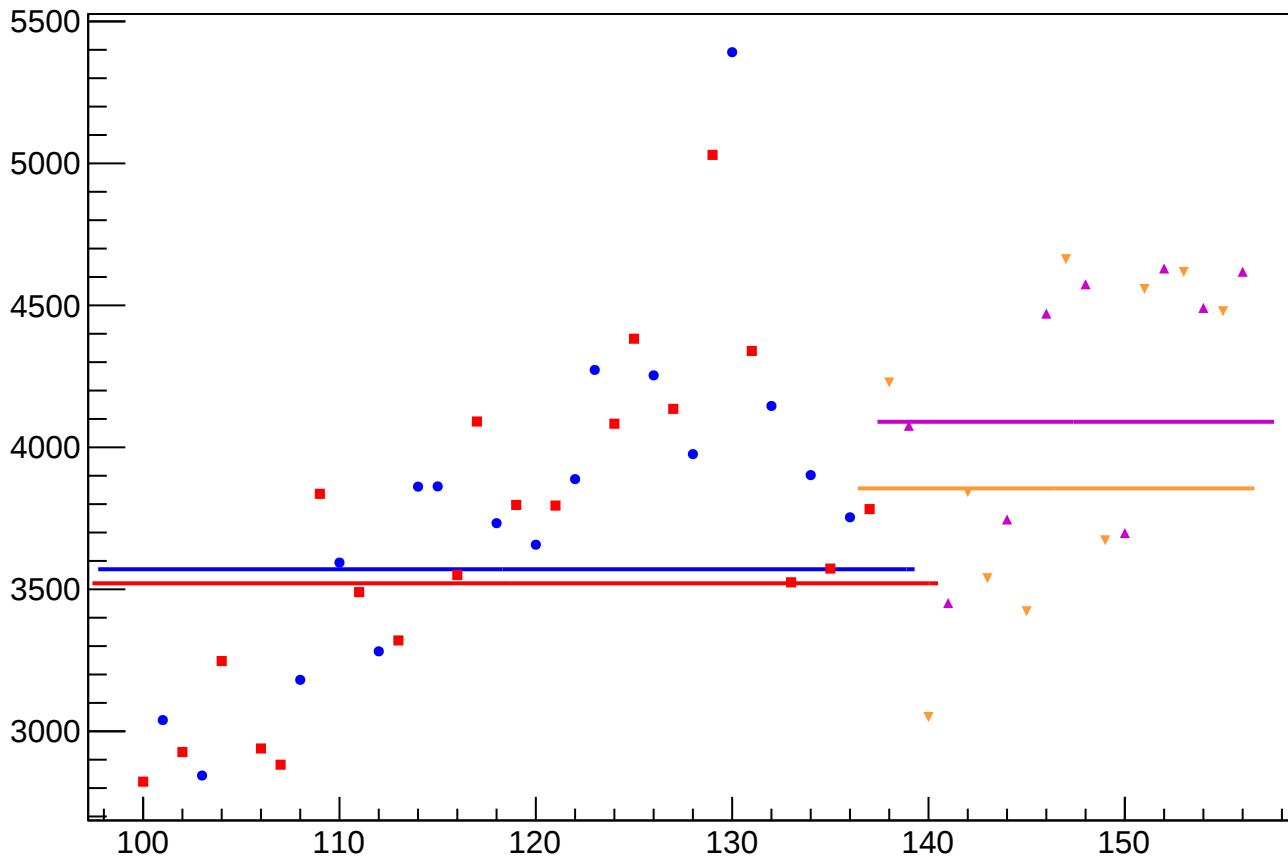
Right Out: -3.284 $\pm$ 1.330 χ^2 /NDF: 16.0/19

Left In: -3.054 $\pm$ 1.526 χ^2 /NDF: 15.2/8

-0.333 $\pm$ 1.003 χ^2 /NDF: 29.0/26

-3.185 $\pm$ 1.003 χ^2 /NDF: 31.2/28

diff_bpm16Y_rms vs Slug



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

Left Out: 3855.406+/-1.021 χ^2/NDF :316990.8/9

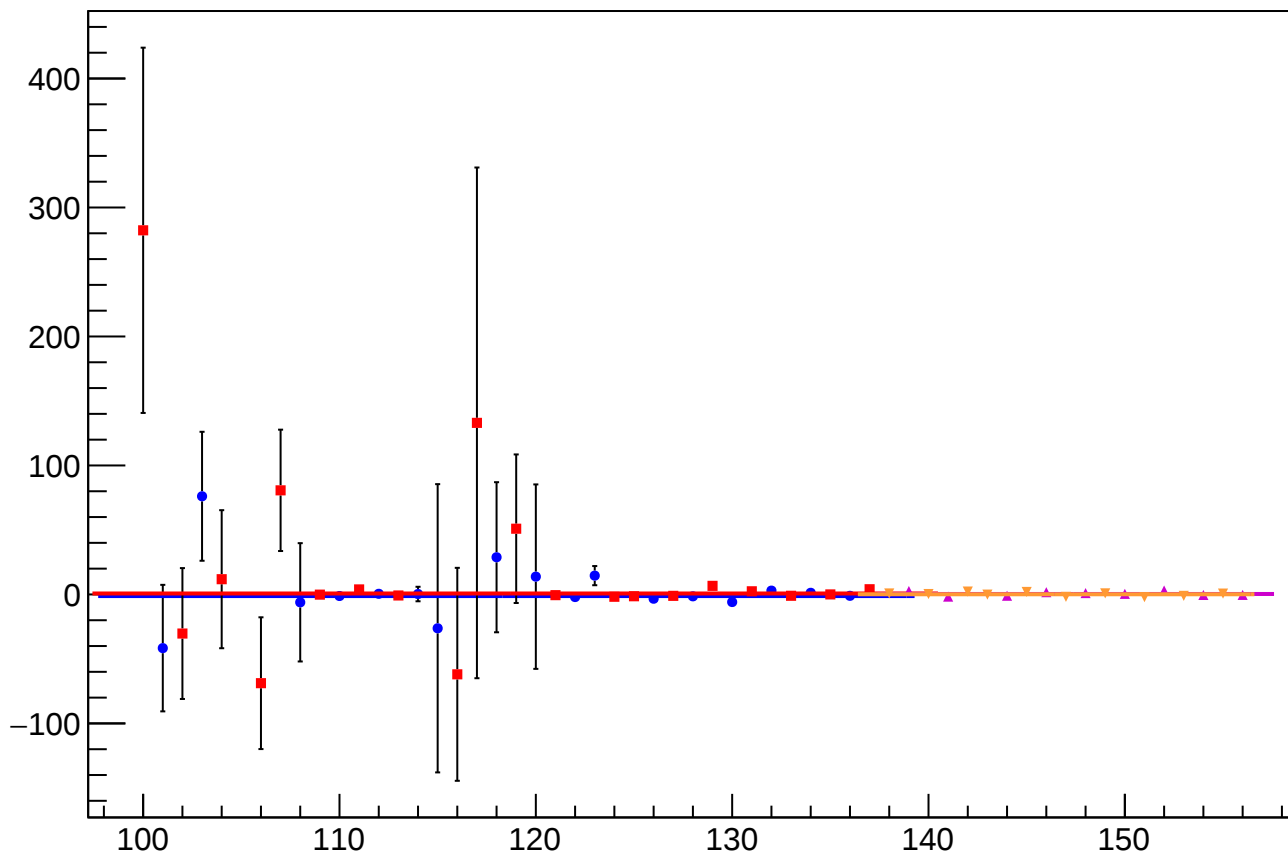
Right Out: 3521.247+/-0.941 χ^2/NDF : 294919.2/19

Left In: 4090.033+/-1.079 χ^2/NDF :177063.6/8

3708.239+/-0.709 χ^2/NDF : 666788.3/26

3766.838+/-0.709 χ^2/NDF : 629900.7/28

diff_bpm1p02bX_mean vs Slug



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

Left Out: 0.135 ± 0.388 χ^2/NDF : 11.5/9

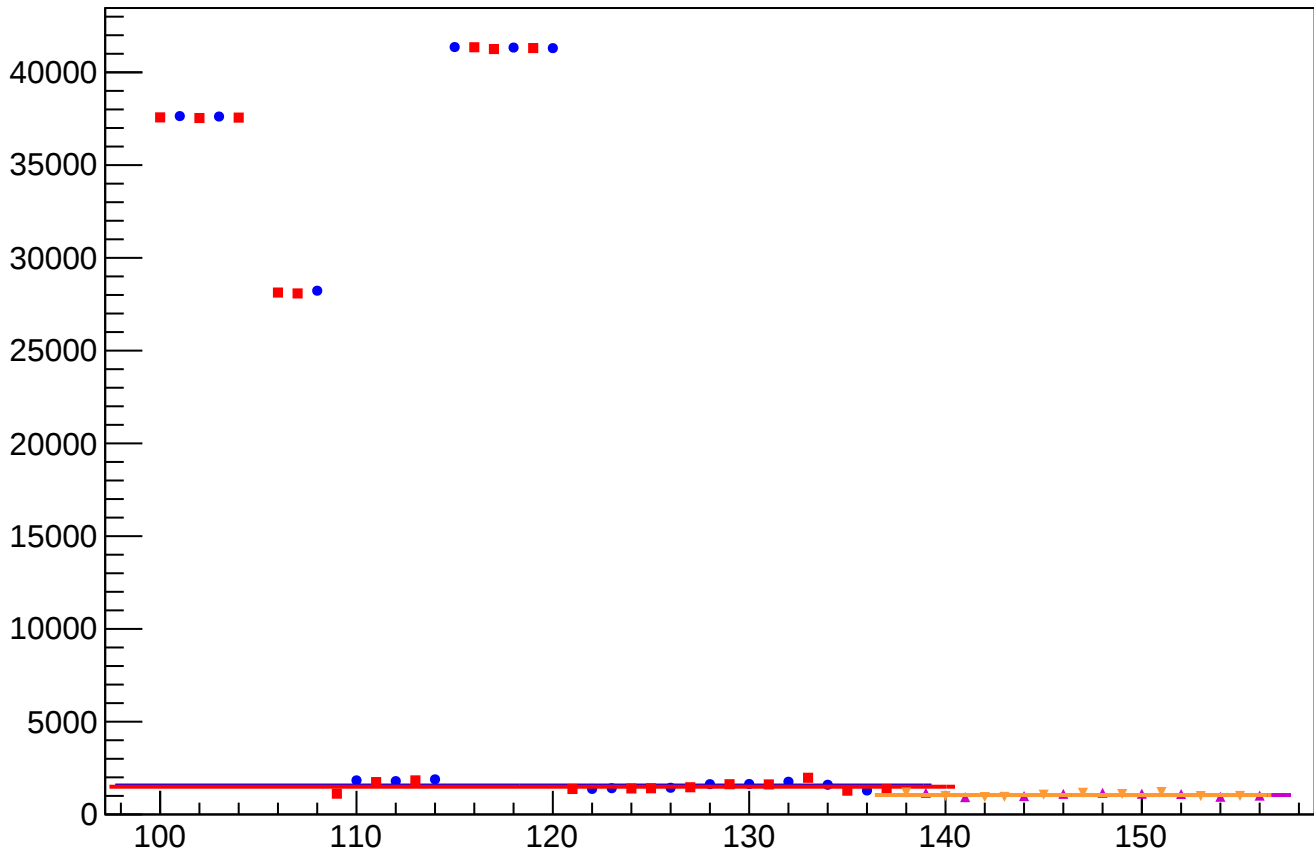
Right Out: 0.735 ± 0.710 χ^2/NDF : 22.5/19

Left In: 0.358 ± 0.389 χ^2/NDF : 15.6/8

-0.162 ± 0.345 χ^2/NDF : 30.6/26

0.445 ± 0.341 χ^2/NDF : 38.3/28

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1048.891+/-0.275 χ^2/NDF : 110177.5/9

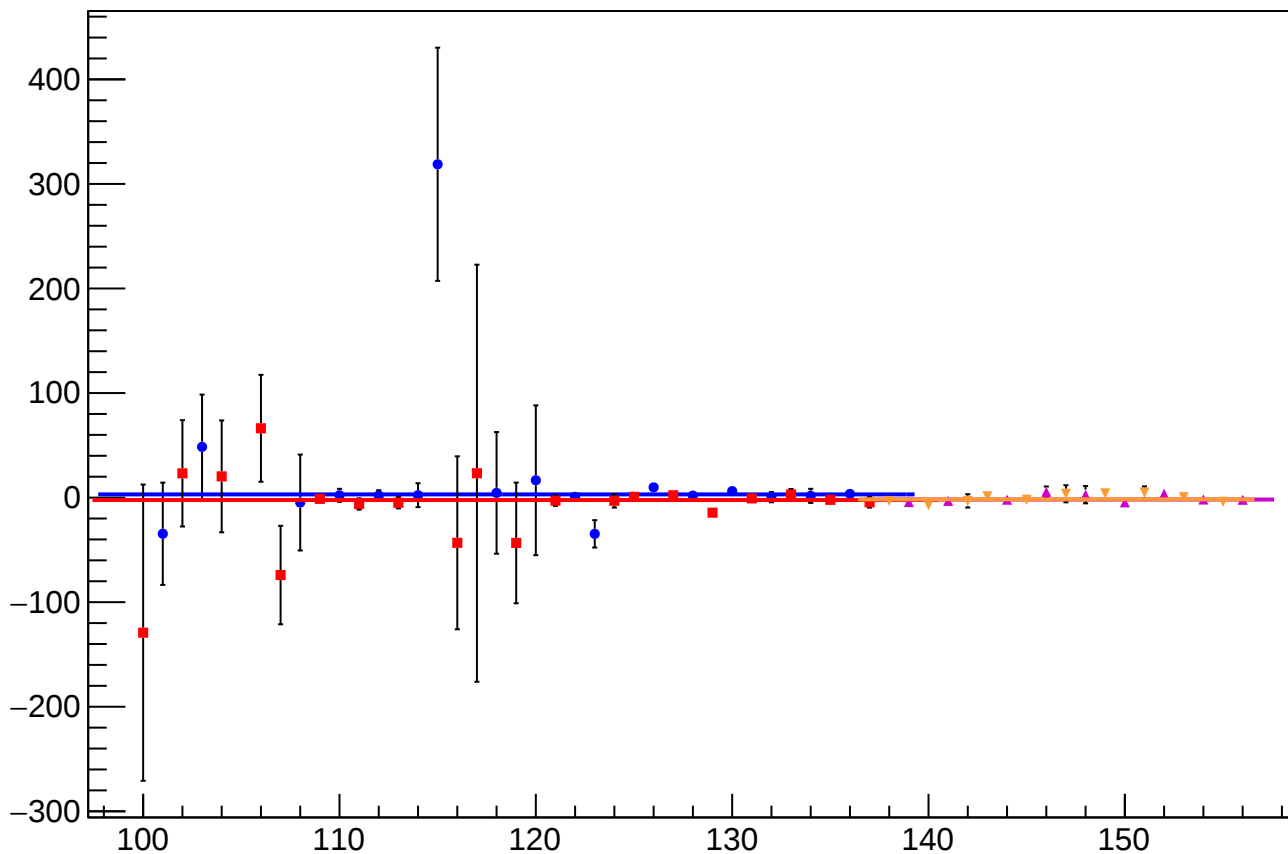
1157.282+/-0.244 χ^2/NDF : 5596590.2/26

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

1150.418+/-0.241 χ^2/NDF : 5680779.9/28

Left In: 1046.927+/-0.275 χ^2/NDF : 94710.2/8

diff_bpm1p02bY_mean vs Slug



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

Left Out: -1.686 ± 1.237 χ^2/NDF : 6.8/9

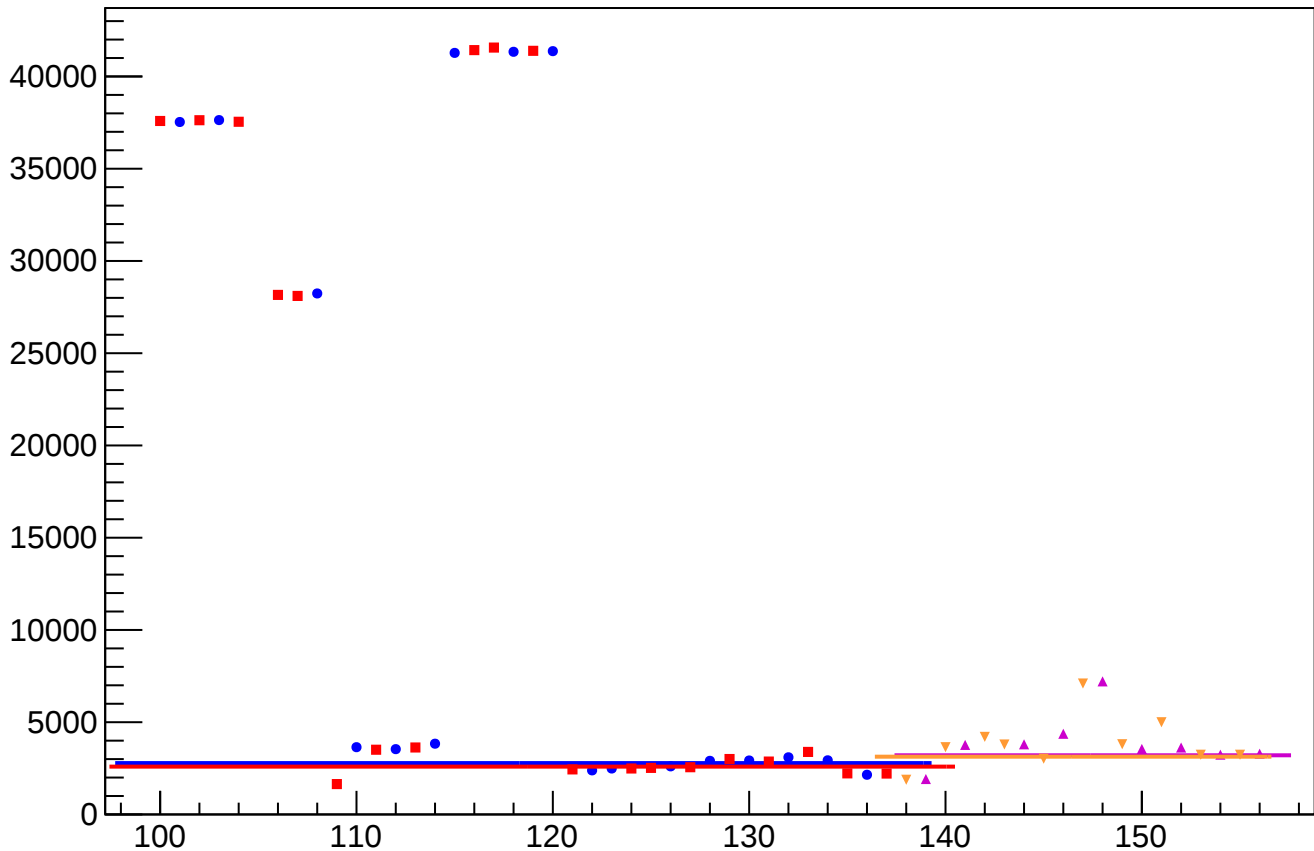
Right Out: -2.305 ± 1.235 χ^2/NDF : 16.9/19

Left In: -1.840 ± 1.260 χ^2/NDF : 5.9/8

0.535 ± 0.904 χ^2/NDF : 35.6/26

-2.077 ± 0.882 χ^2/NDF : 22.9/28

diff_bpm1p02bY_rms vs Slug



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

Left Out: 3131.506+/-0.875 χ^2/NDF : 1466285.3/9

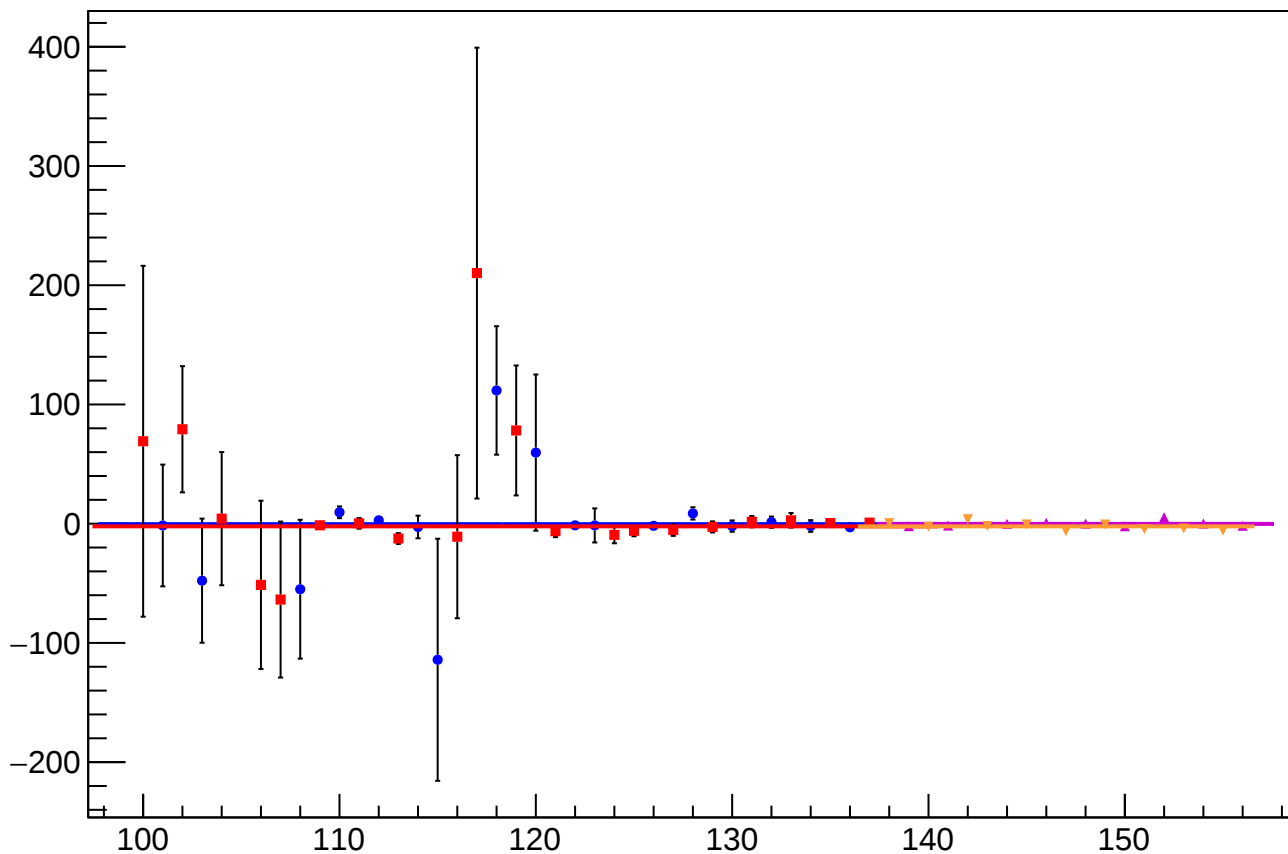
Right Out: 2592.654+/-0.873 χ^2/NDF : 4923077.9/19

Left In: 3206.868+/-0.891 χ^2/NDF : 1282491.7/8

2969.389+/-0.639 χ^2/NDF : 6117305.1/26

2893.453+/-0.624 χ^2/NDF : 6448030.2/28

diff_bpm1p03aX_mean vs Slug



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

Left Out: -2.240 ± 0.613 χ^2/NDF : 19.3/9

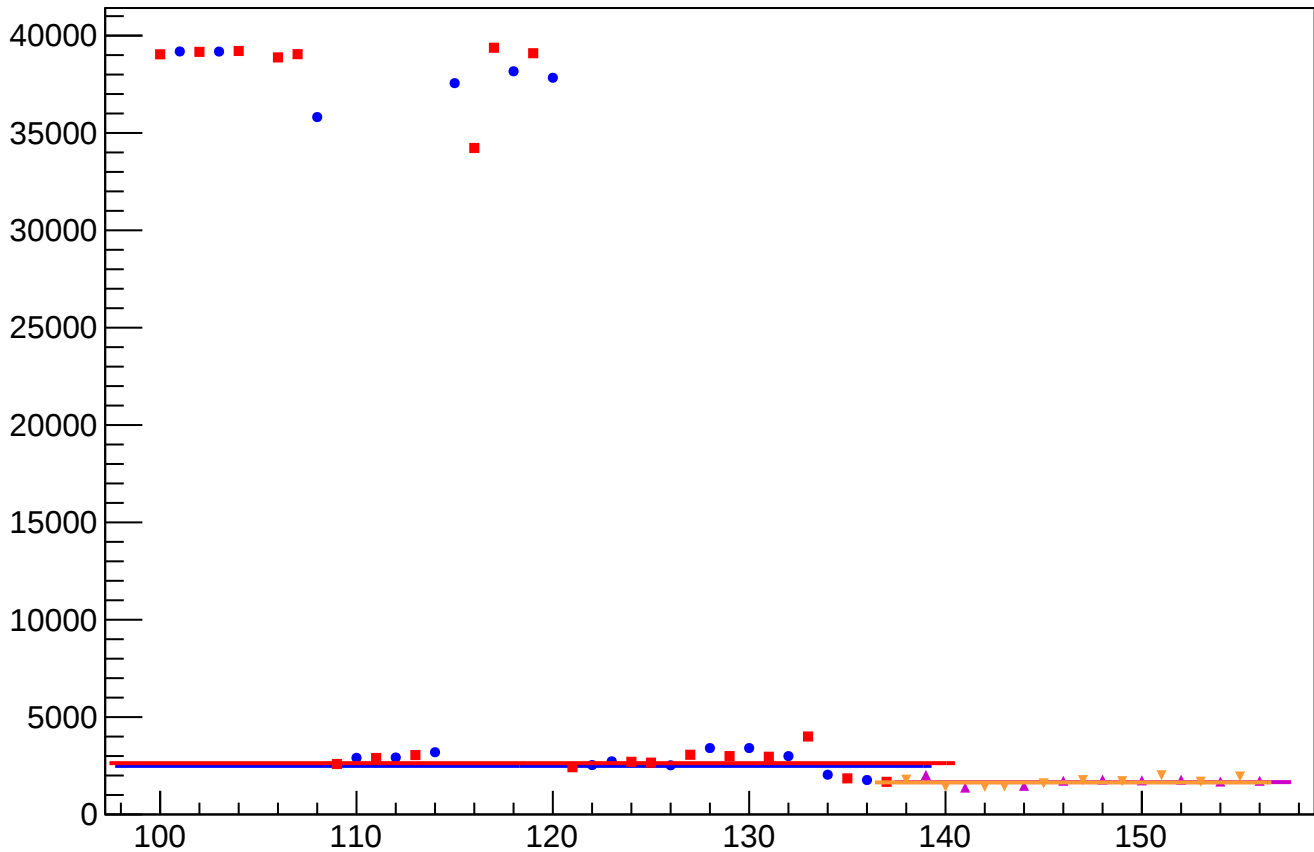
Right Out: -2.235 ± 1.246 χ^2/NDF : 18.7/19

Left In: -0.179 ± 0.619 χ^2/NDF : 11.4/8

-1.869 ± 0.547 χ^2/NDF : 39.3/26

-0.586 ± 0.554 χ^2/NDF : 32.3/28

diff_bpm1p03aX_rms vs Slug



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

Left Out: 1646.643+/-0.433 χ^2 /NDF: 201826.0/9

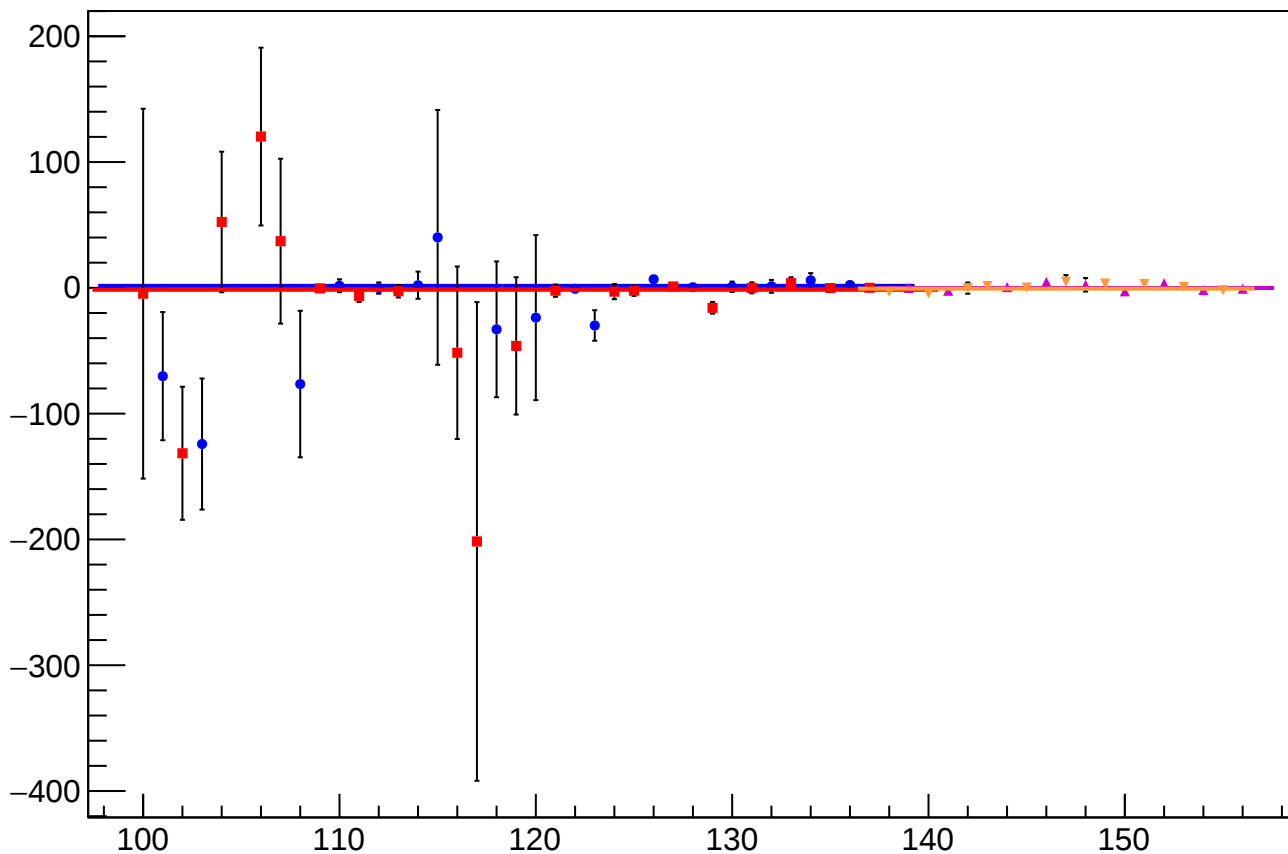
Right Out: 2634.840+/-0.881 χ^2 /NDF: 4936039.0/19

Left In: 1661.307+/-0.438 χ^2 /NDF: 169339.0/8

1818.047+/-0.387 χ^2 /NDF: 5859852.4/26

1854.102+/-0.392 χ^2 /NDF: 6084694.4/28

diff_bpm1p03aY_mean vs Slug



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

Left Out: -0.636 ± 0.836 χ^2/NDF : 9.4/9

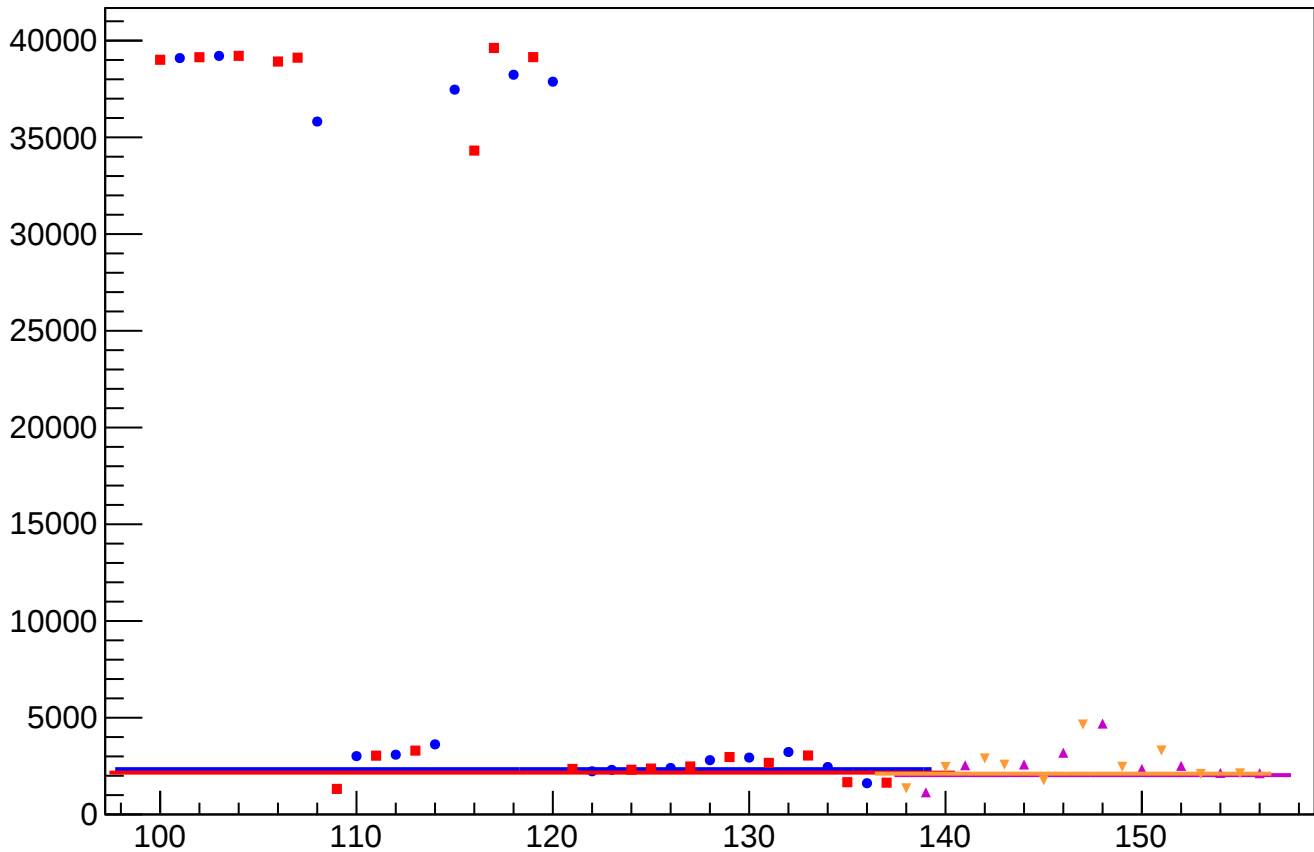
Right Out: -1.530 ± 1.062 χ^2/NDF : 26.1/19

Left In: -0.136 ± 0.814 χ^2/NDF : 6.0/8

0.135 ± 0.675 χ^2/NDF : 32.2/26

-0.652 ± 0.646 χ^2/NDF : 33.2/28

diff_bpm1p03aY_rms vs Slug



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

Left Out: 2109.191+/-0.591 χ^2/NDF :1254687.5/9

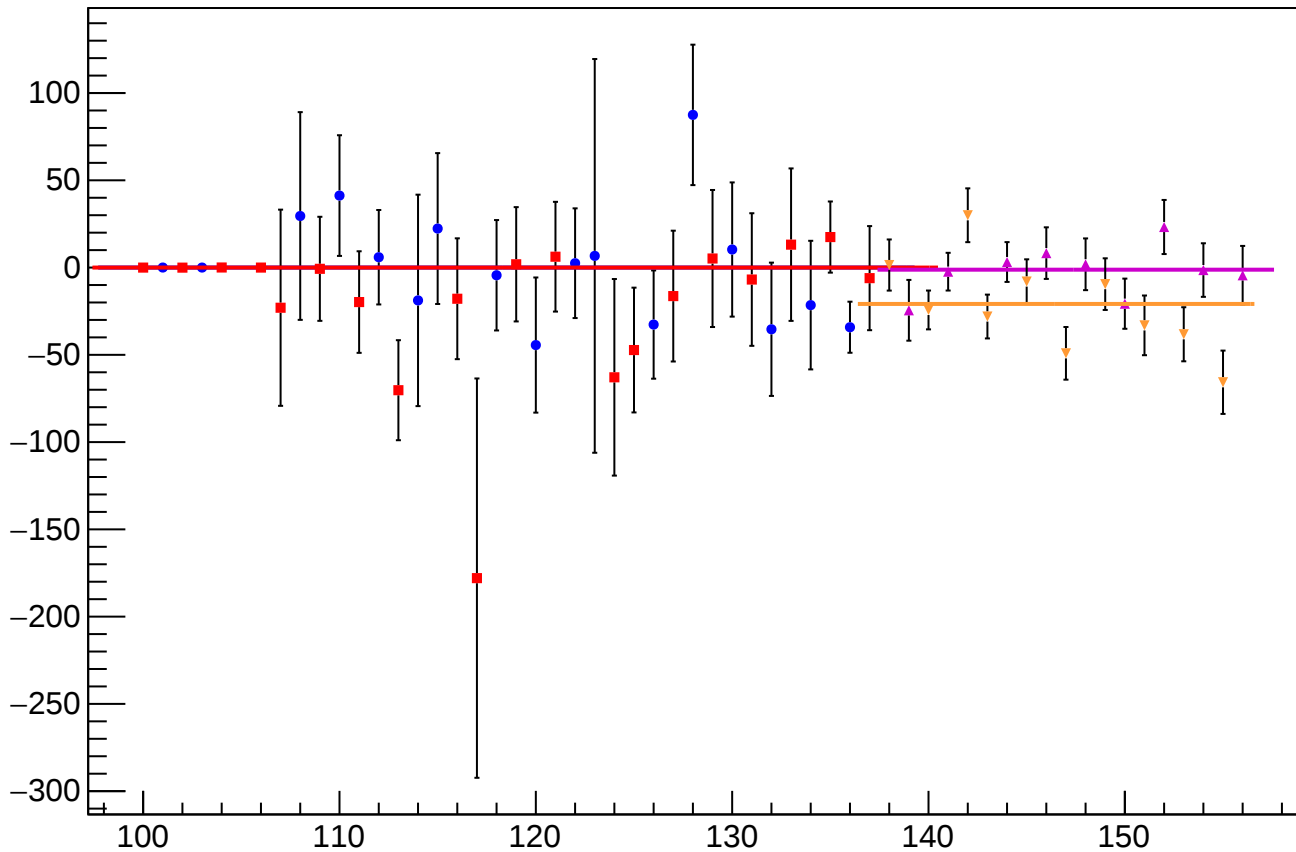
Right Out: 2162.329+/-0.751 χ^2/NDF : 5376569.5/19

Left In: 2032.700+/-0.575 χ^2/NDF :1745637.6/8

2190.047+/-0.477 χ^2/NDF : 6315200.8/26

2080.629+/-0.457 χ^2/NDF : 7140982.9/28

diff_cav4bX_mean vs Slug



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

Left Out: -20.840 ± 4.515 χ^2/NDF : 26.6/9

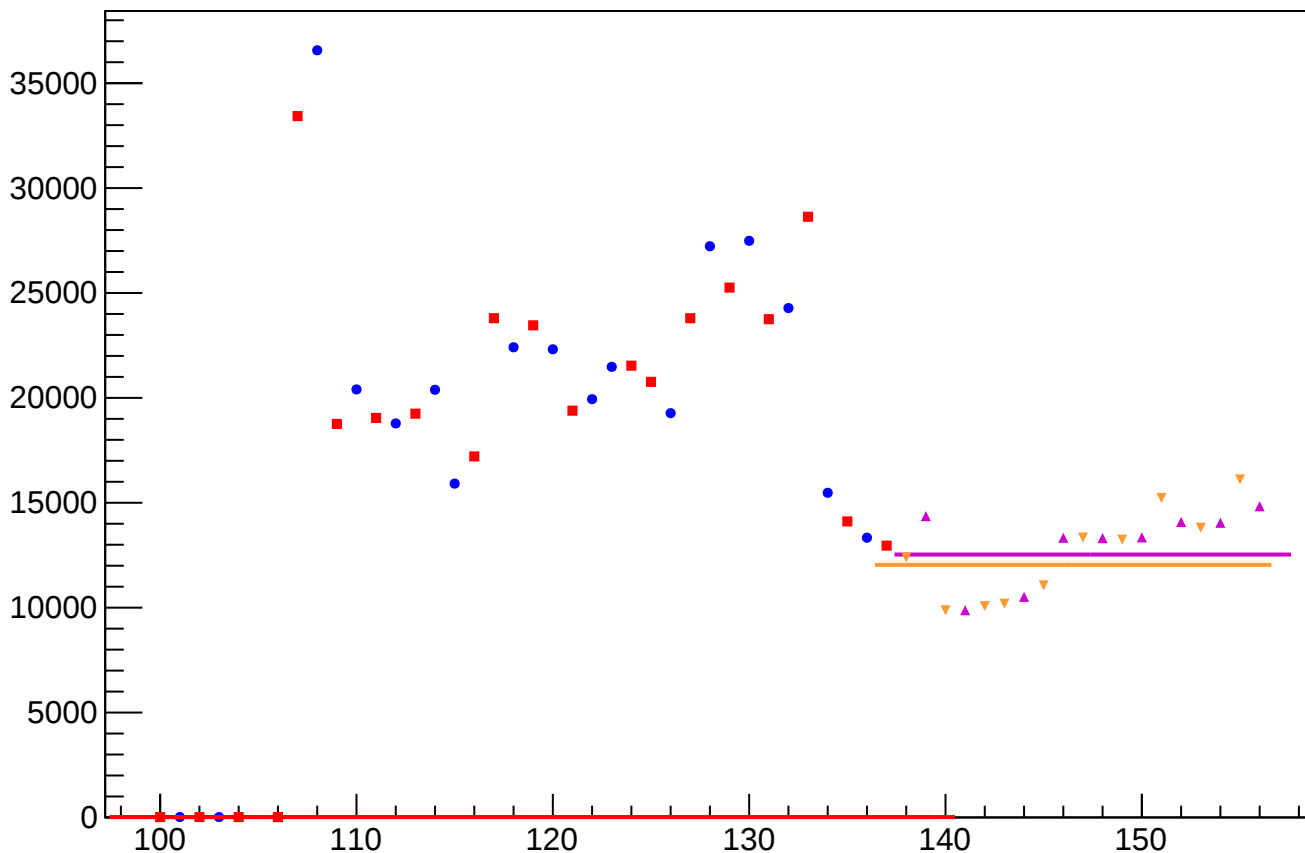
Right Out: 0.003 ± 0.016 χ^2/NDF : 18.3/19

Left In: -1.213 ± 4.690 χ^2/NDF : 6.8/8

0.013 ± 0.017 χ^2/NDF : 64.1/26

0.003 ± 0.016 χ^2/NDF : 25.1/28

diff_cav4bX_rms vs Slug



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

Left Out: 12039.522+/-3.193 χ^2/NDF : 389554.8/9

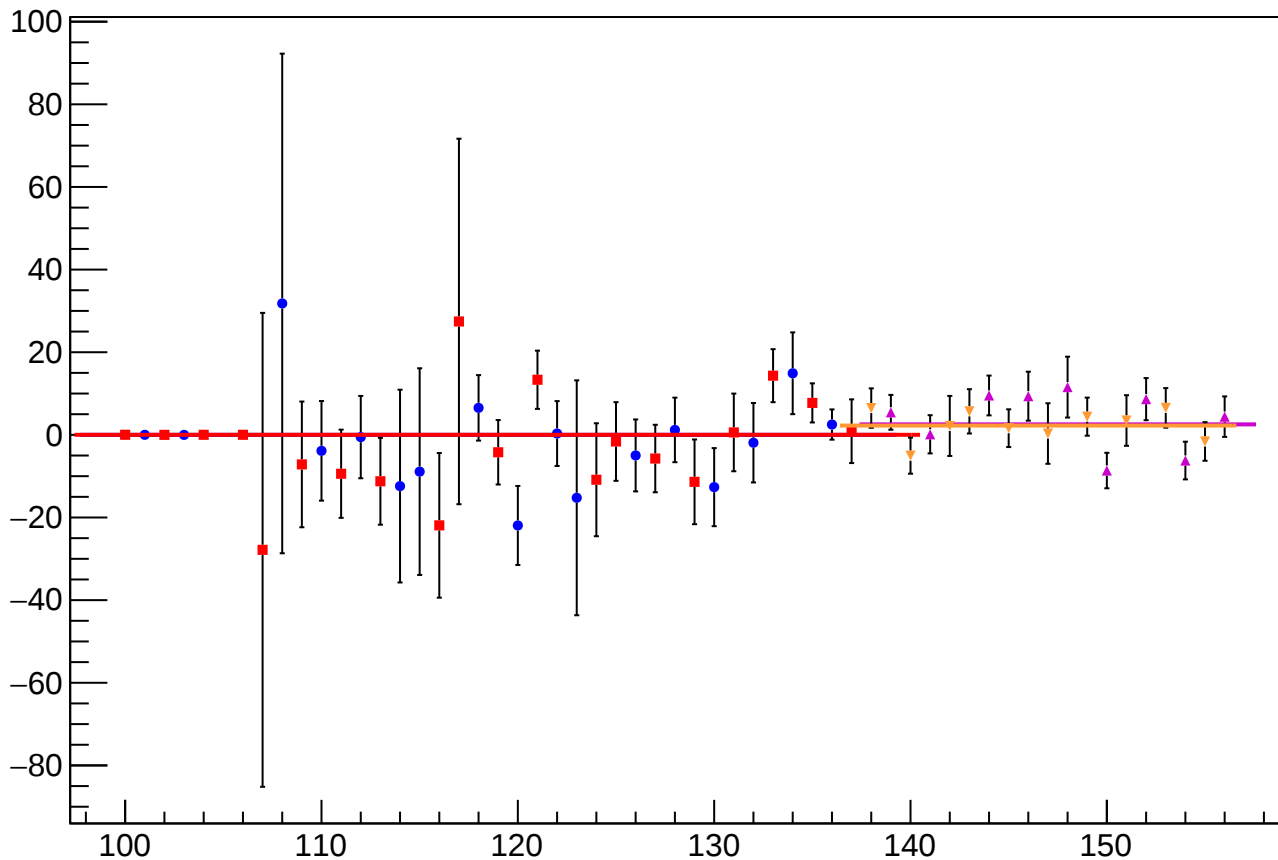
Right Out: 18.312+/-0.011 χ^2/NDF : 11197081.8/19

Left In: 12532.642+/-3.317 χ^2/NDF : 299985.3/8

18.819+/-0.012 χ^2/NDF : 25549024.6/26

18.459+/-0.011 χ^2/NDF : 25733686.5/28

diff_cav4bY_mean vs Slug



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

Left Out: 2.254+/-1.622 χ^2/NDF : 5.8/9

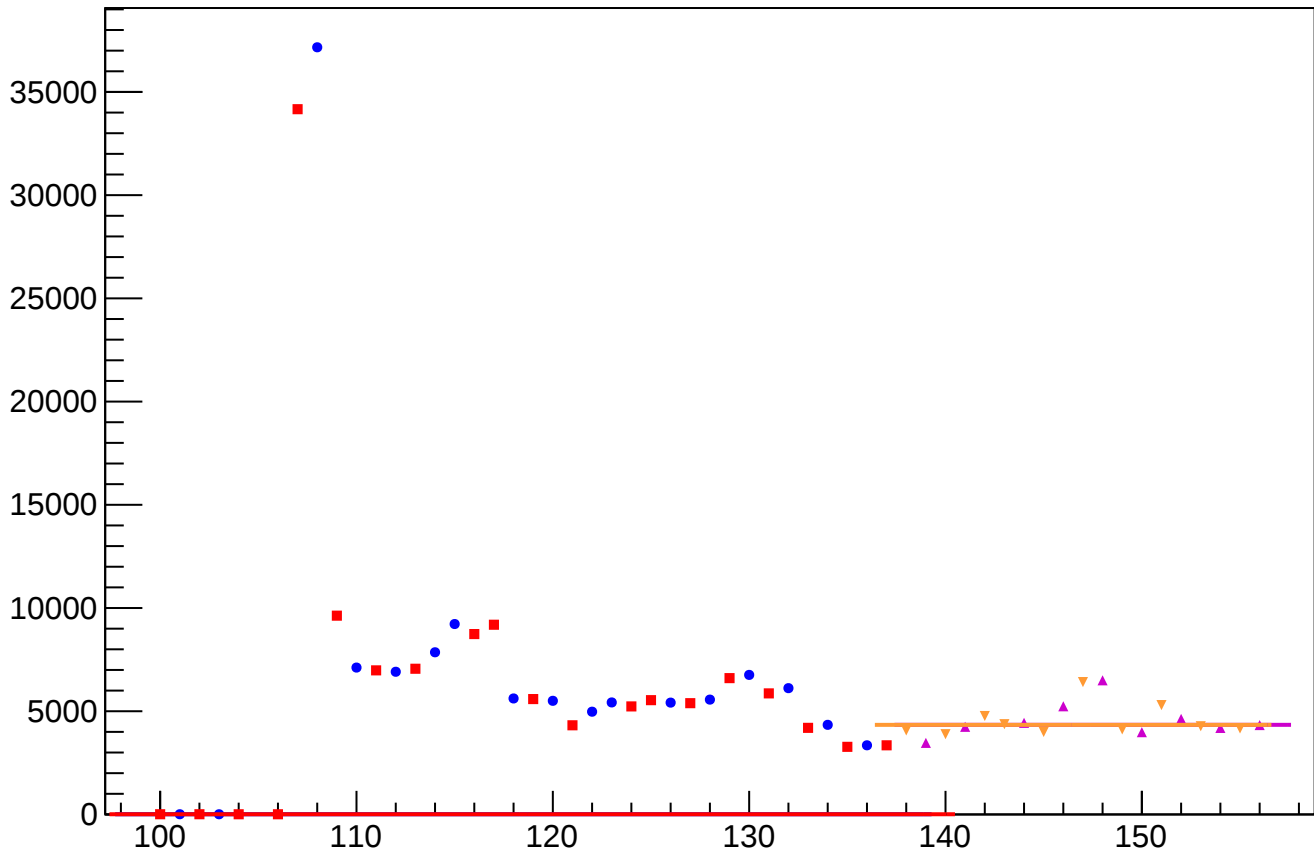
Right Out: 0.014+/-0.009 χ^2/NDF : 19.0/19

Left In: 2.538+/-1.632 χ^2/NDF : 17.7/8

0.001+/-0.009 χ^2/NDF : 20.8/26

0.014+/-0.009 χ^2/NDF : 39.1/28

diff_cav4bY_rms vs Slug



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

Left Out: 4340.195+/-1.147 χ^2/NDF : 262913.9/9

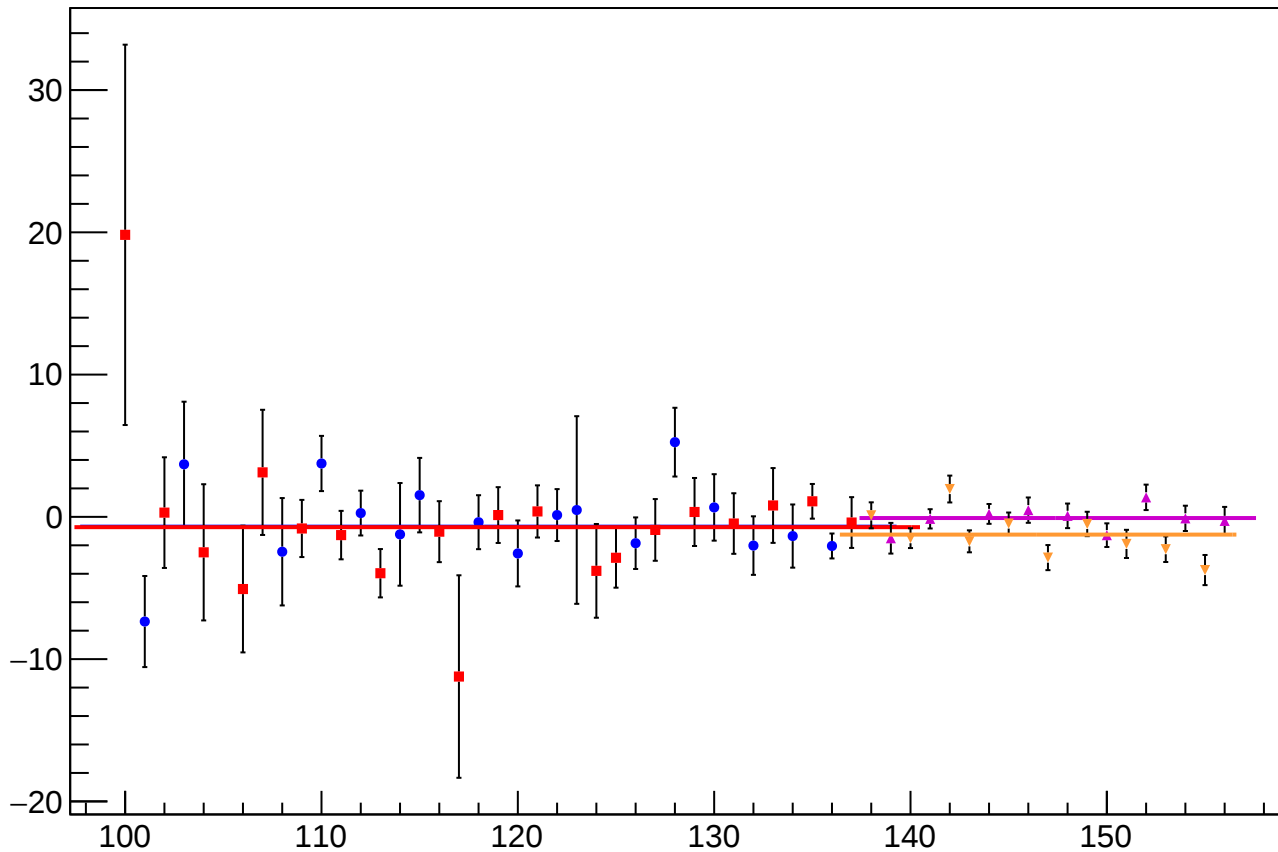
Right Out: 9.855+/-0.006 χ^2/NDF : 11246160.9/19

Left In: 4341.395+/-1.154 χ^2/NDF : 327240.2/8

10.078+/-0.007 χ^2/NDF : 25627601.9/26

9.976+/-0.006 χ^2/NDF : 25662575.6/28

diff_cav4cX_mean vs Slug



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

Left Out: -1.247 ± 0.272 χ^2/NDF : 26.6/9

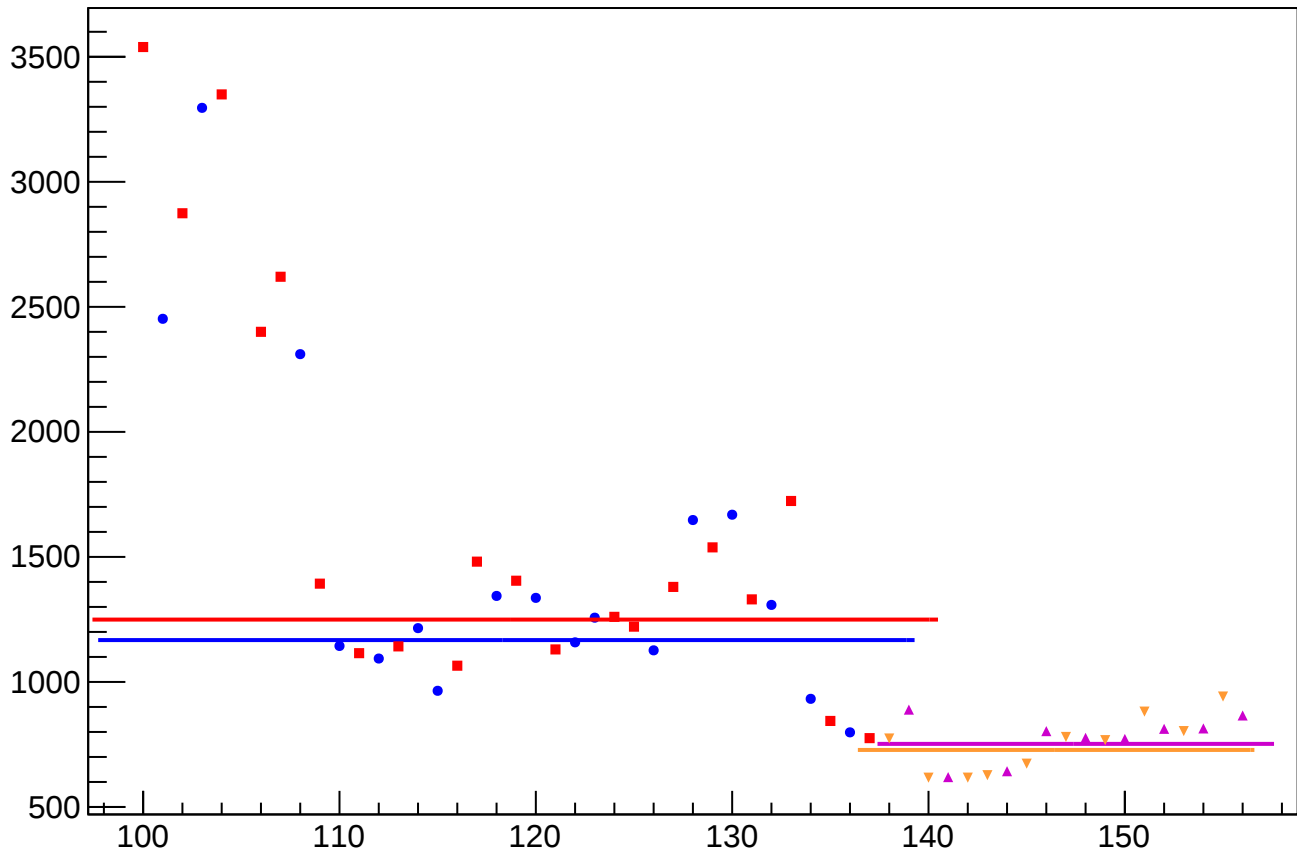
Right Out: -0.724 ± 0.499 χ^2/NDF : 15.5/19

Left In: -0.083 ± 0.281 χ^2/NDF : 7.1/8

-1.113 ± 0.237 χ^2/NDF : 50.2/26

-0.237 ± 0.245 χ^2/NDF : 23.9/28

diff_cav4cX_rms vs Slug



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

Left Out: 728.071+/-0.192 χ^2 /NDF: 281963.0/9

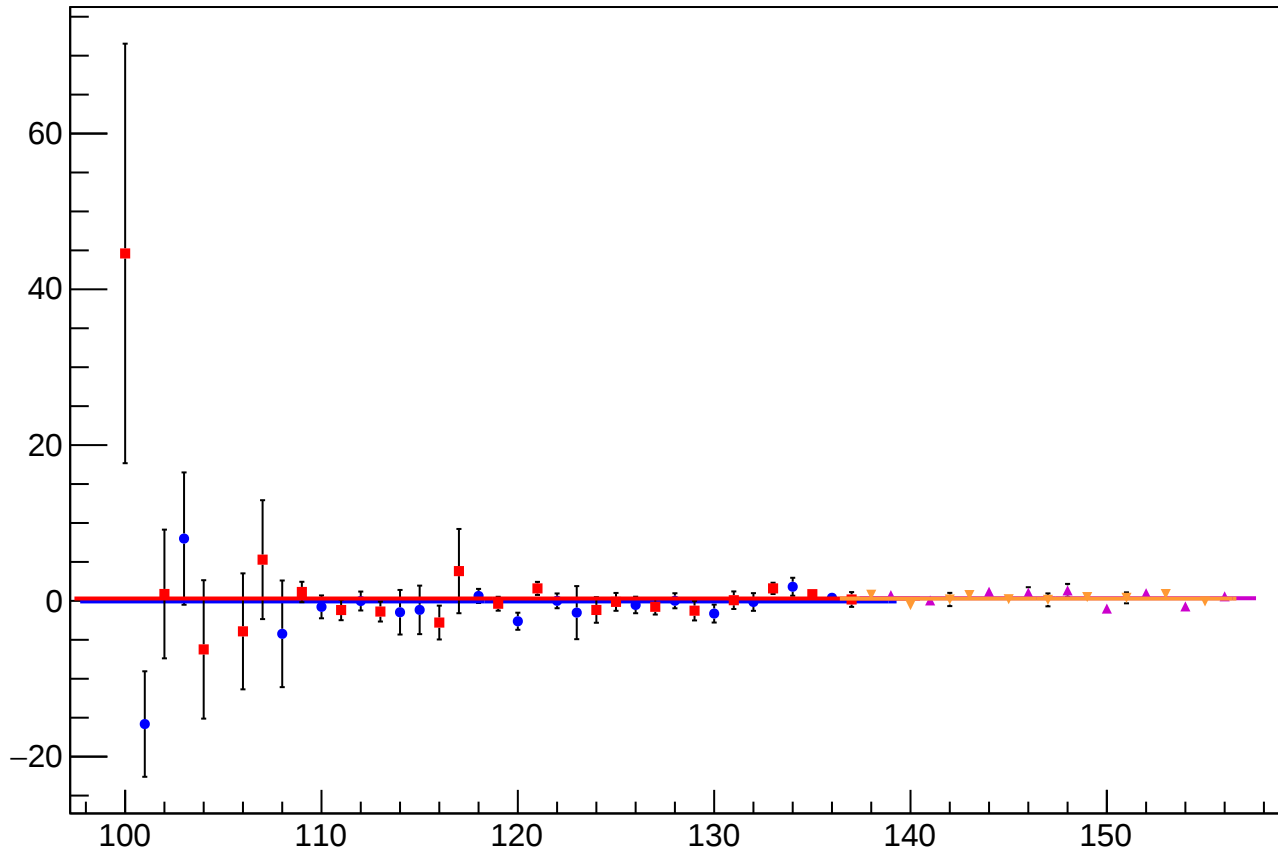
Right Out: 1249.388+/-0.353 χ^2 /NDF: 1656159.5/19

Left In: 752.311+/-0.198 χ^2 /NDF: 213223.3/8

834.017+/-0.167 χ^2 /NDF: 3119714.5/26

871.567+/-0.173 χ^2 /NDF: 3375179.2/28

diff_cav4cY_mean vs Slug



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

0.170 ± 0.156 $\chi^2/\text{NDF}: 26.0/26$

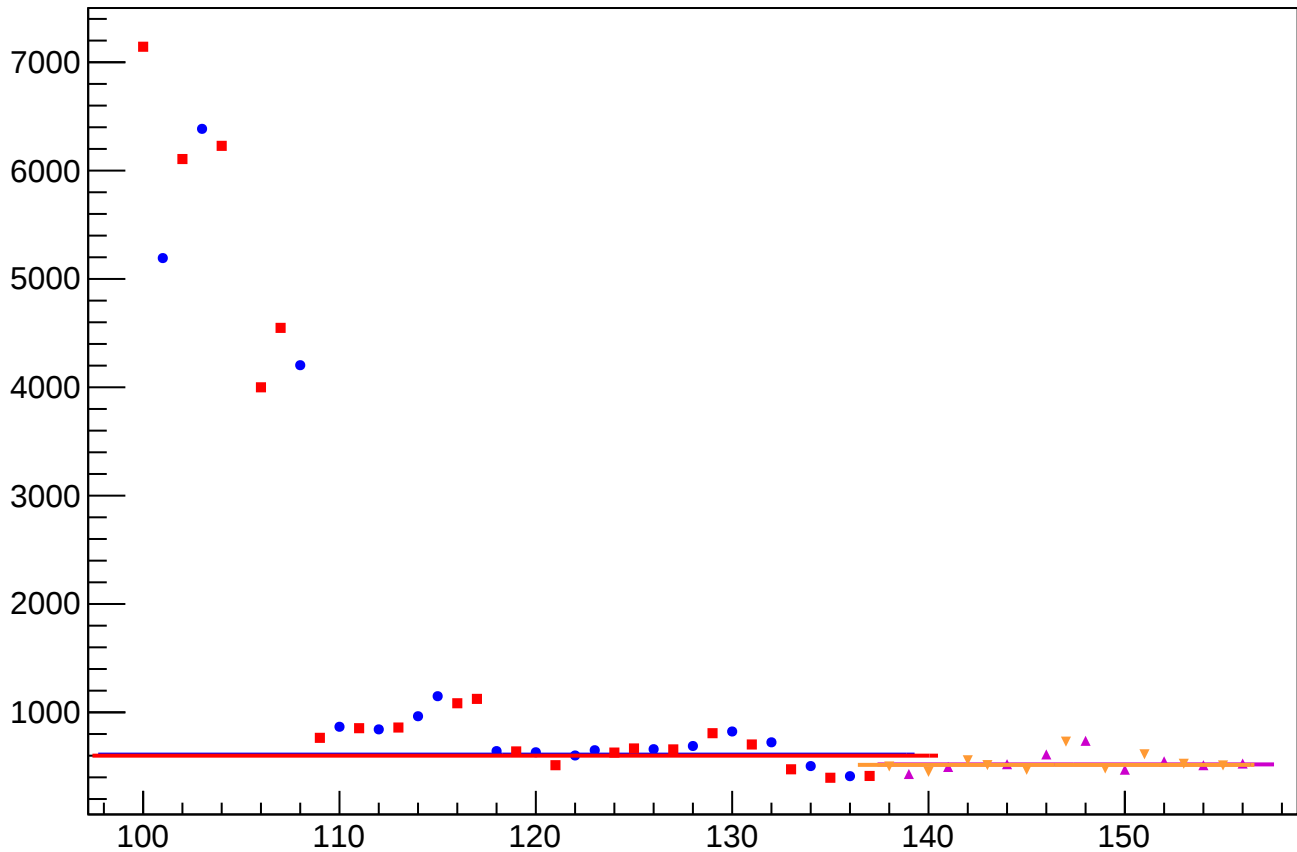
Left Out: 0.294 ± 0.192 $\chi^2/\text{NDF}: 5.6/9$

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

0.325 ± 0.157 $\chi^2/\text{NDF}: 38.0/28$

Left In: 0.338 ± 0.195 $\chi^2/\text{NDF}: 17.3/8$

diff_cav4cY_rms vs Slug



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

Left Out: 515.195+/-0.136 χ^2/NDF :232814.6/9

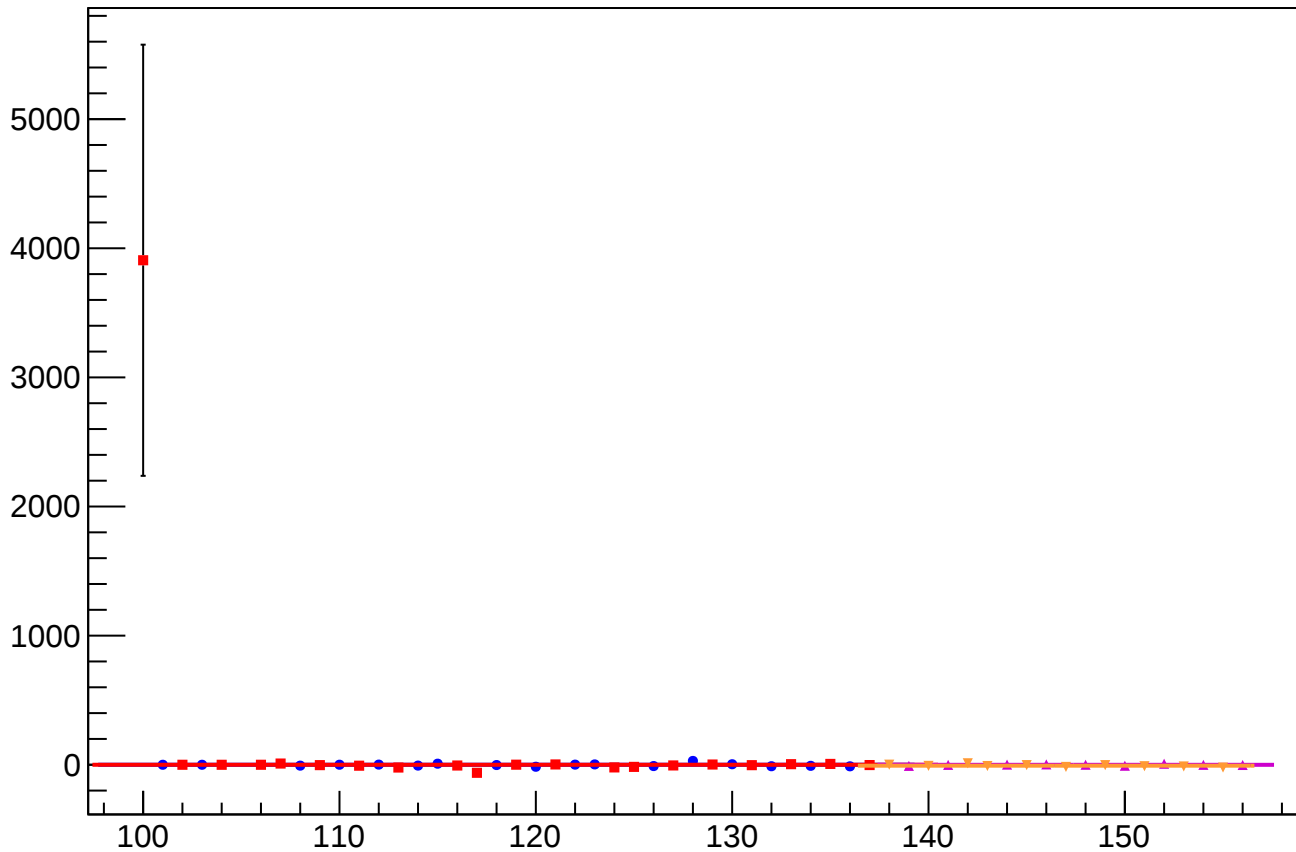
547.225+/-0.111 χ^2/NDF : 3532837.4/26

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

548.022+/-0.111 χ^2/NDF : 3949052.3/28

Left In: 519.525+/-0.138 χ^2/NDF :256450.5/8

diff_cav4dX_mean vs Slug



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

Left Out: -7.189+/-1.579 χ^2/NDF : 26.7/9

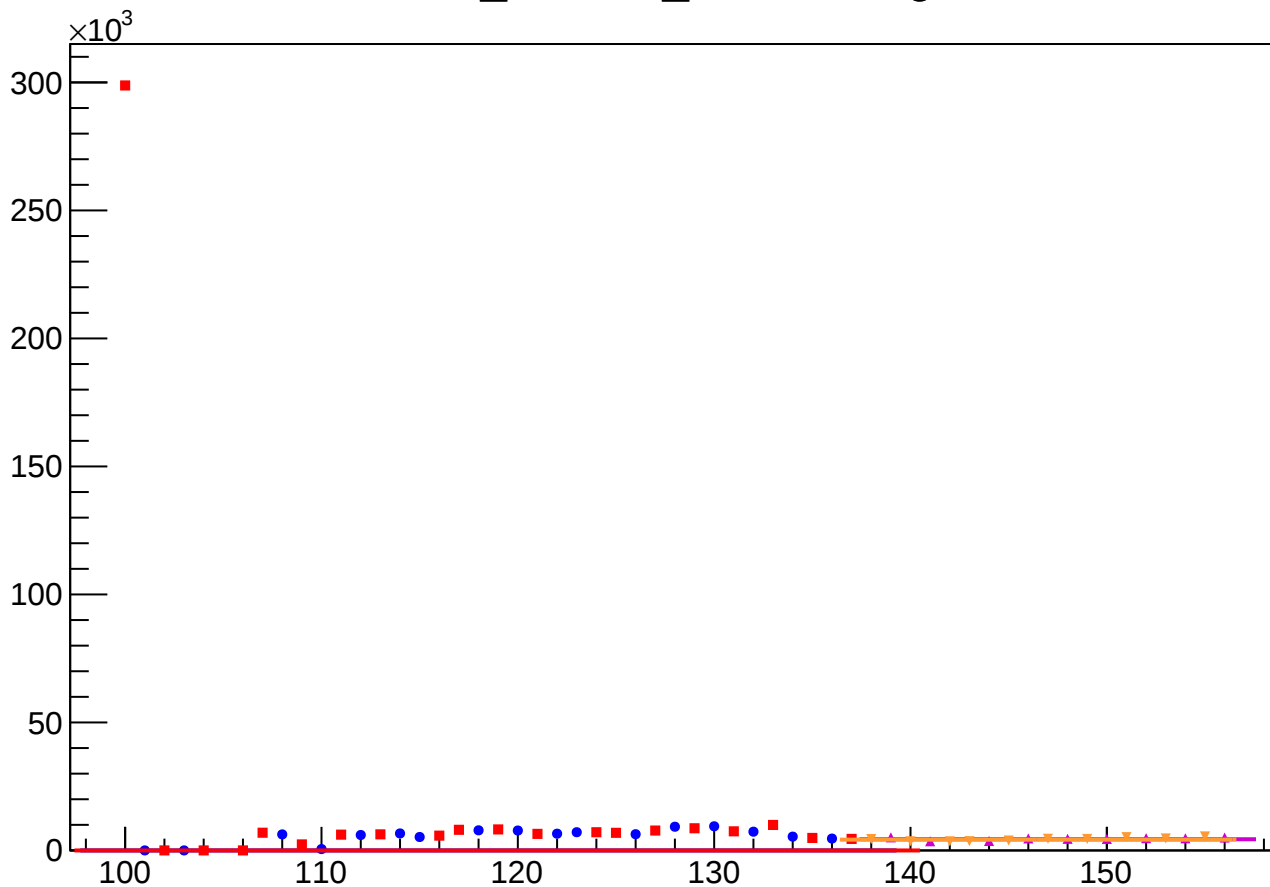
Right Out: -0.027+/-0.020 χ^2/NDF : 20.5/19

Left In: -0.478+/-1.634 χ^2/NDF : 7.1/8

-0.023+/-0.021 χ^2/NDF : 62.9/26

-0.027+/-0.020 χ^2/NDF : 27.6/28

diff_cav4dX_rms vs Slug



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

Left Out: 4224.316 ± 1.116 χ^2/NDF : 302823.8/9

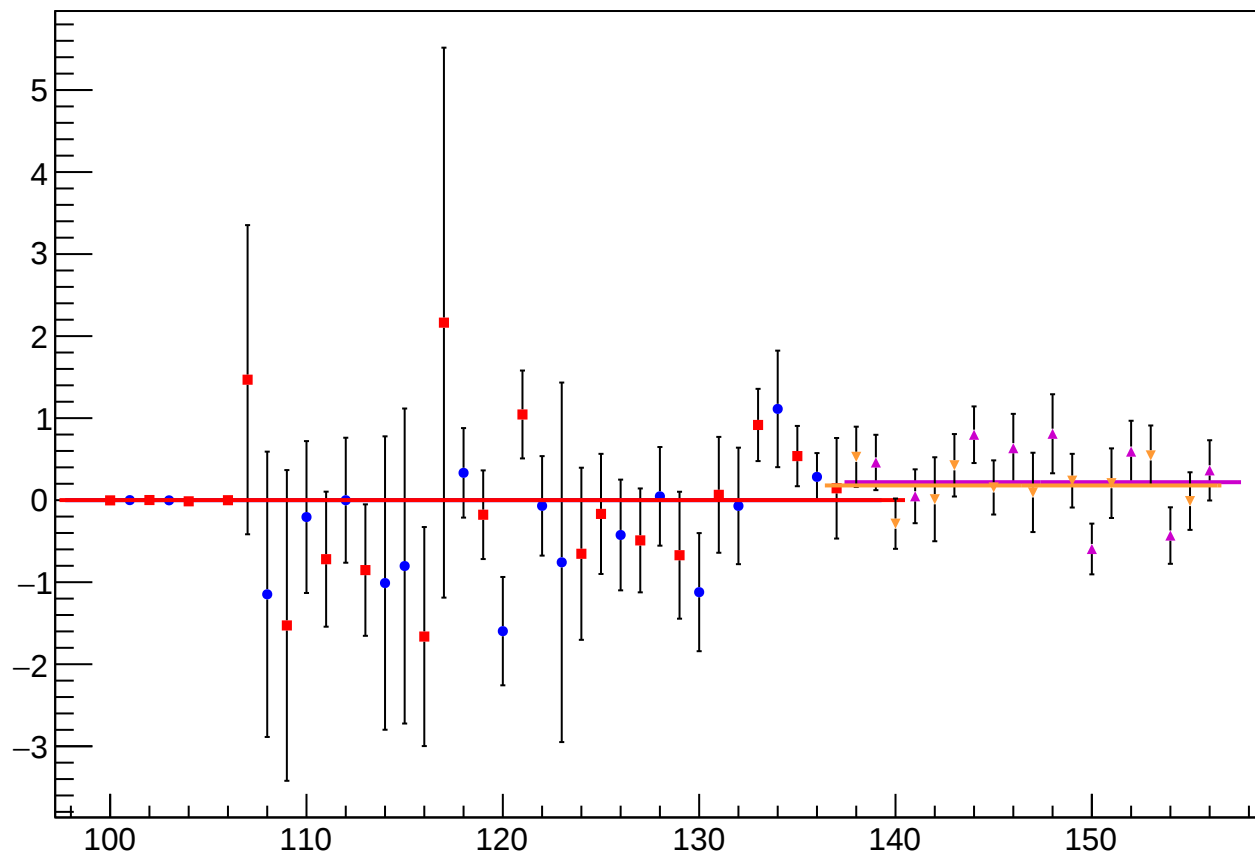
Right Out: 17.271 ± 0.014 χ^2/NDF : 10906837.9/19

Left In: 4379.423 ± 1.156 χ^2/NDF : 226002.7/8

18.070 ± 0.015 χ^2/NDF : 25003228.9/26

17.910 ± 0.014 χ^2/NDF : 25381123.6/28

diff_cav4dY_mean vs Slug



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

Left Out: 0.179+/-0.117 χ^2/NDF : 5.1/9

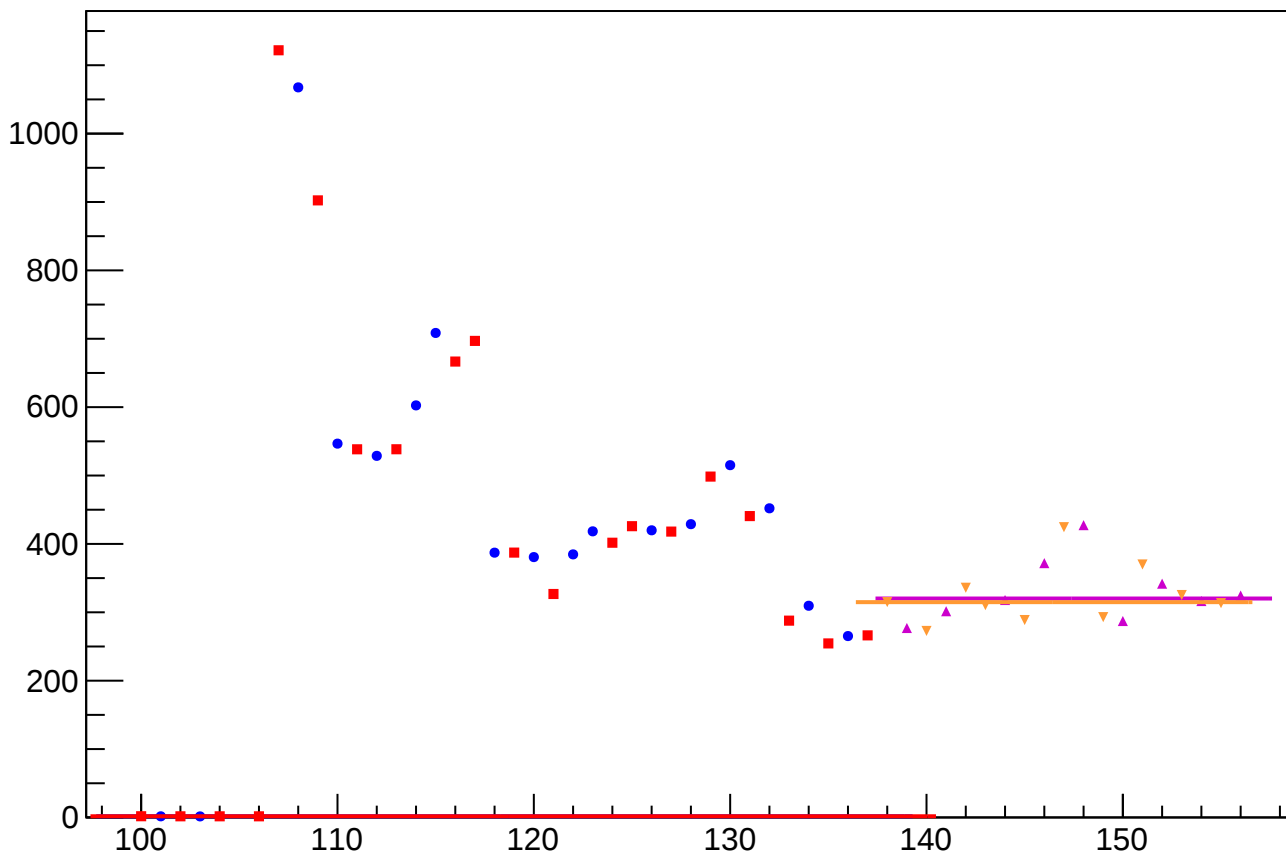
Right Out: 0.001+/-0.002 χ^2/NDF : 18.3/19

Left In: 0.219+/-0.120 χ^2/NDF : 17.7/8

0.000+/-0.002 χ^2/NDF : 21.2/26

0.001+/-0.002 χ^2/NDF : 39.4/28

diff_cav4dY_rms vs Slug



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

Left Out: 314.847+/-0.083 χ^2/NDF : 201102.9/9

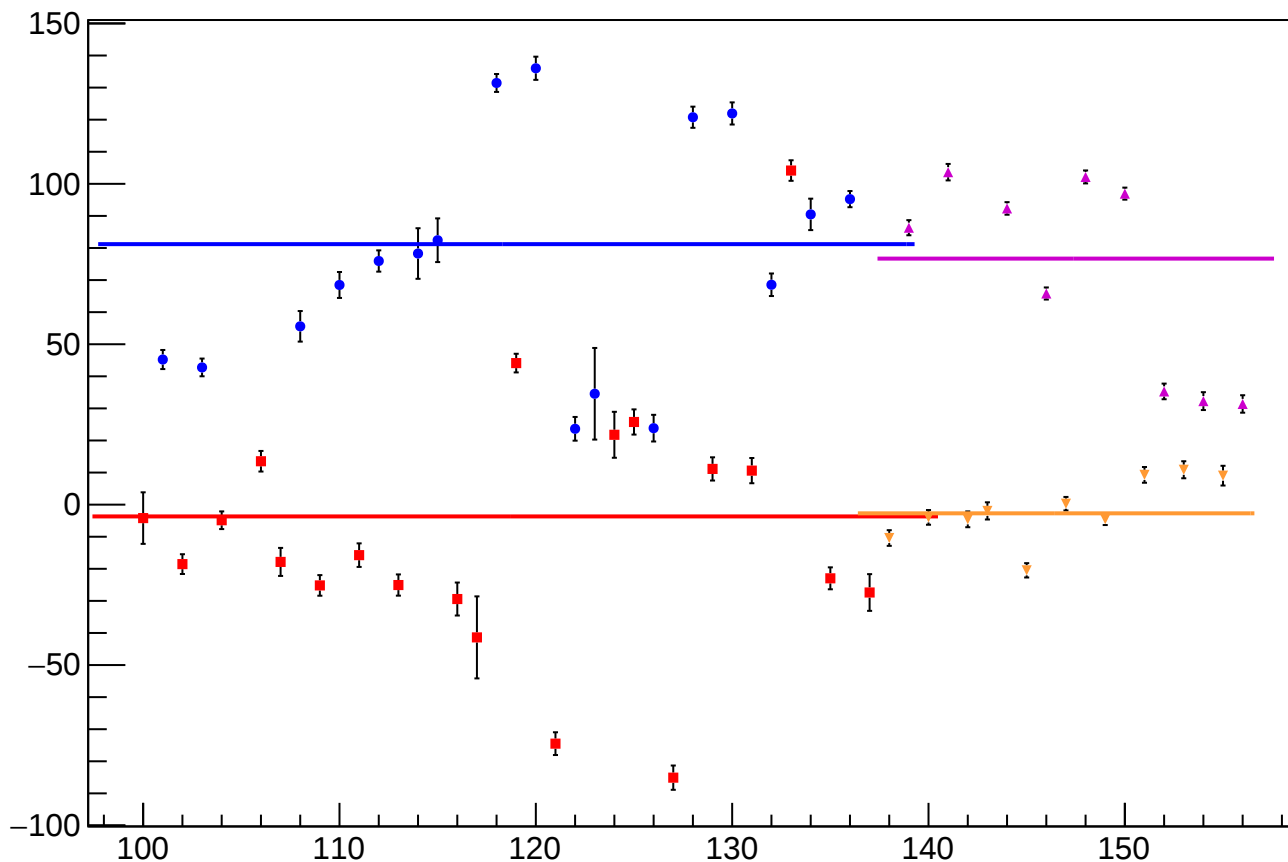
Right Out: 1.729+/-0.001 χ^2/NDF : 10829914.3/19

Left In: 320.148+/-0.085 χ^2/NDF : 198690.7/8

1.793+/-0.001 χ^2/NDF : 25510801.1/26

1.812+/-0.001 χ^2/NDF : 25187579.0/28

diff_bpm0i01X_mean vs Slug



Right In: 81.201 ± 0.886 $\chi^2/\text{NDF}: 1709.8/16$

Left Out: -2.708 ± 0.744 $\chi^2/\text{NDF}: 141.8/9$

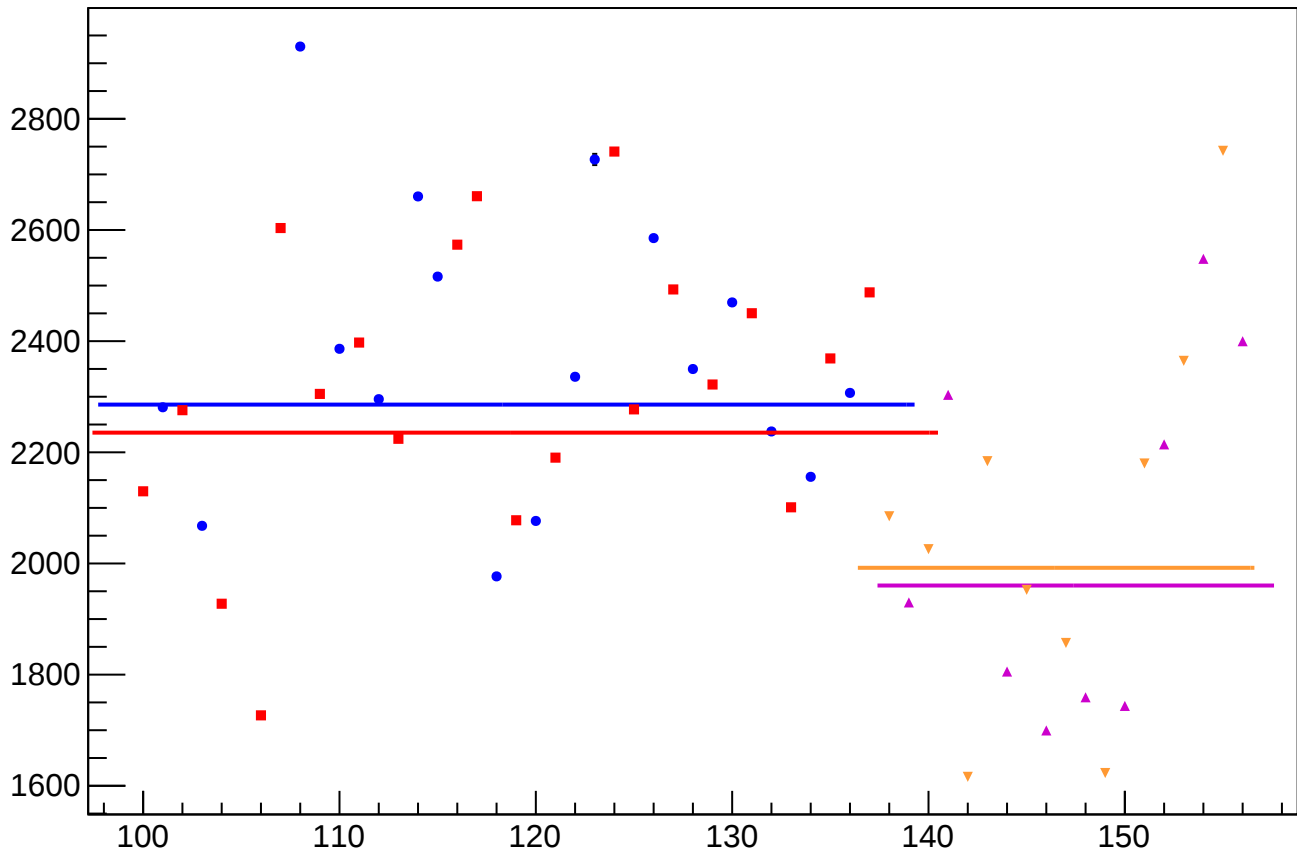
Right Out: -3.672 ± 0.841 $\chi^2/\text{NDF}: 2607.8/19$

Left In: 76.693 ± 0.738 $\chi^2/\text{NDF}: 1318.8/8$

32.027 ± 0.570 $\chi^2/\text{NDF}: 7111.5/26$

41.692 ± 0.555 $\chi^2/\text{NDF}: 9084.8/28$

diff_bpm0i01X_rms vs Slug



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

Left Out: 1992.223+/-0.526 χ^2/NDF : 321687.9/9

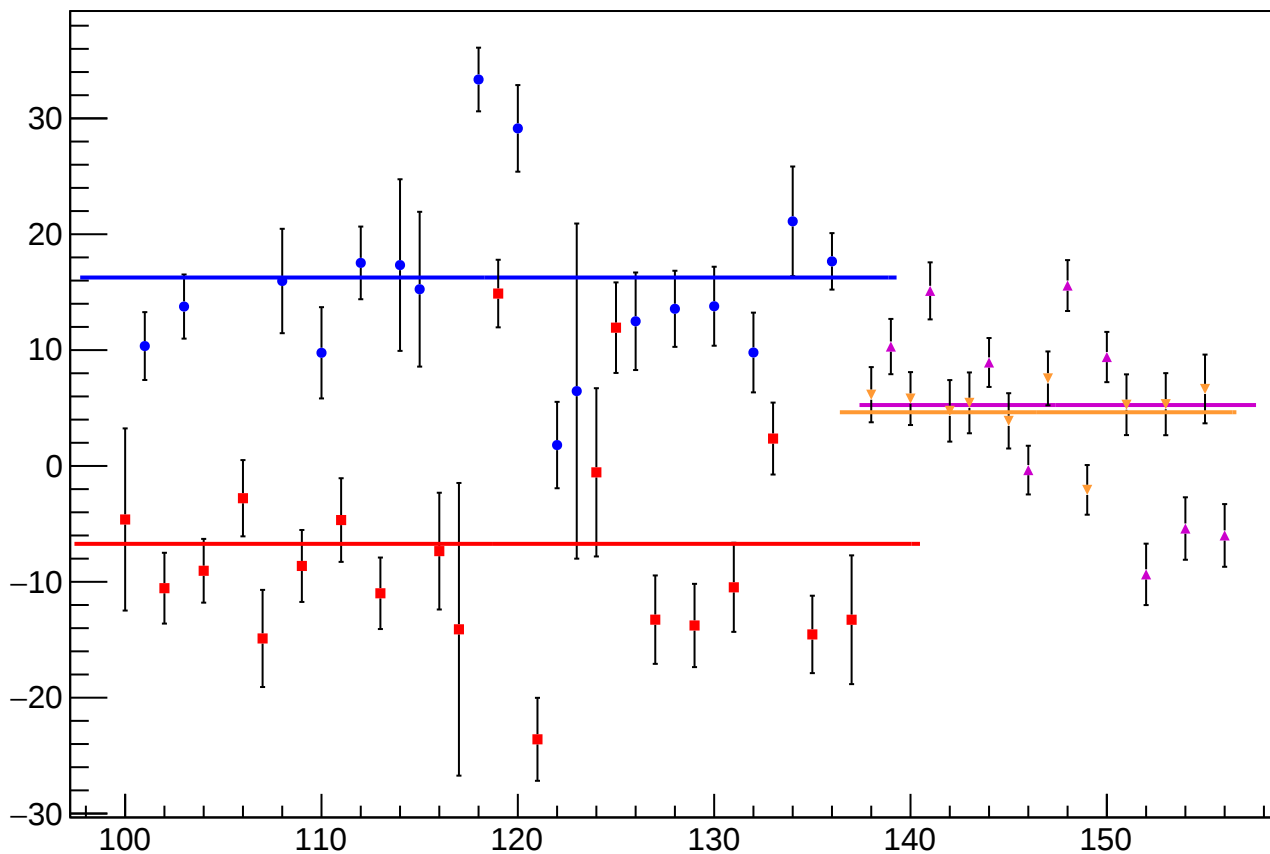
Right Out: 2235.394+/-0.594 χ^2/NDF : 149072.1/19

Left In: 1960.334+/-0.522 χ^2/NDF : 296168.5/8

2113.775+/-0.403 χ^2/NDF : 559849.9/26

2080.131+/-0.392 χ^2/NDF : 566091.3/28

diff_bpm0i01Y_mean vs Slug



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

Left Out: 4.636 ± 0.783 $\chi^2/\text{NDF}: 12.8/9$

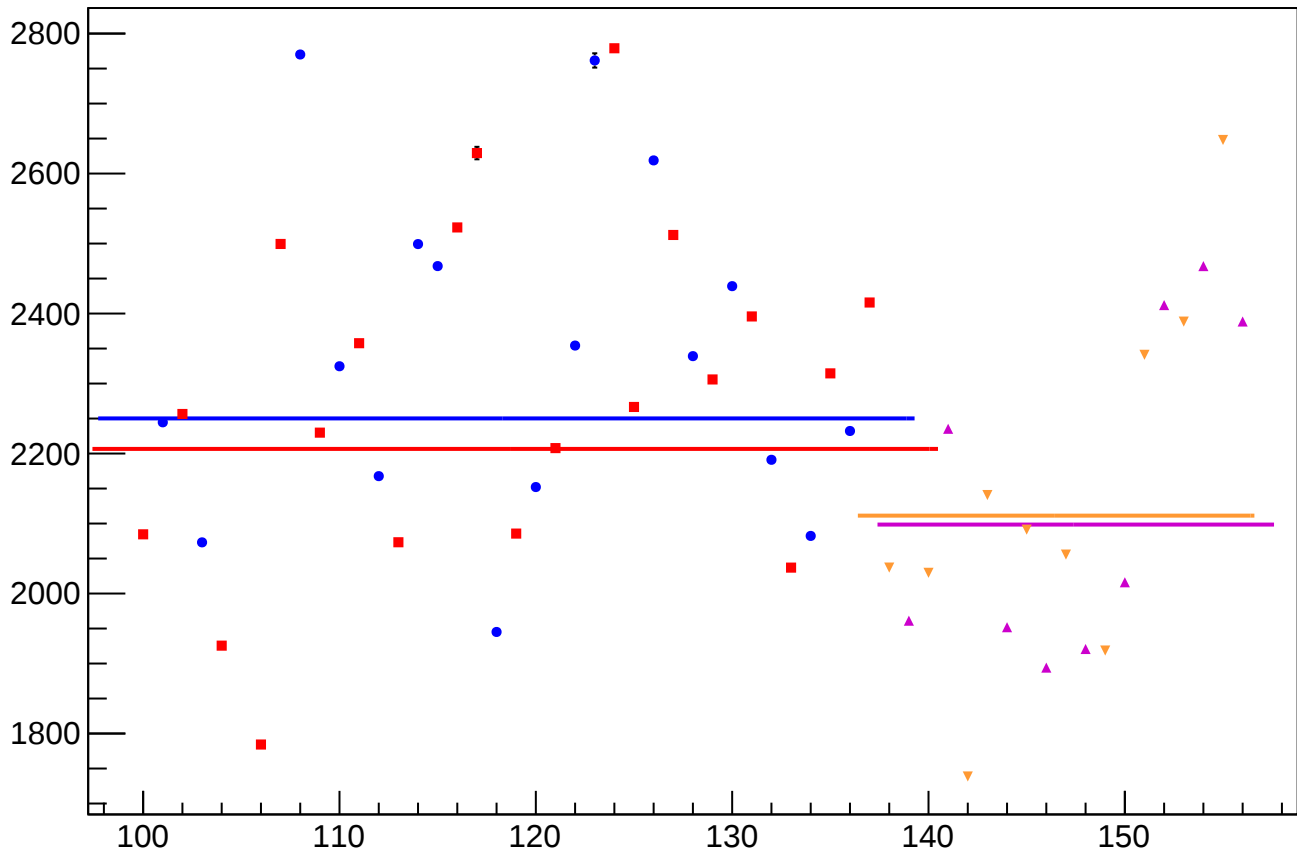
Right Out: -6.722 ± 0.829 $\chi^2/\text{NDF}: 134.3/19$

Left In: 5.258 ± 0.784 $\chi^2/\text{NDF}: 119.7/8$

9.829 ± 0.582 $\chi^2/\text{NDF}: 192.1/26$

-0.396 ± 0.570 $\chi^2/\text{NDF}: 364.3/28$

diff_bpm0i01Y_rms vs Slug



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

Left Out: 2111.294+/-0.554 χ^2/NDF : 163814.2/9

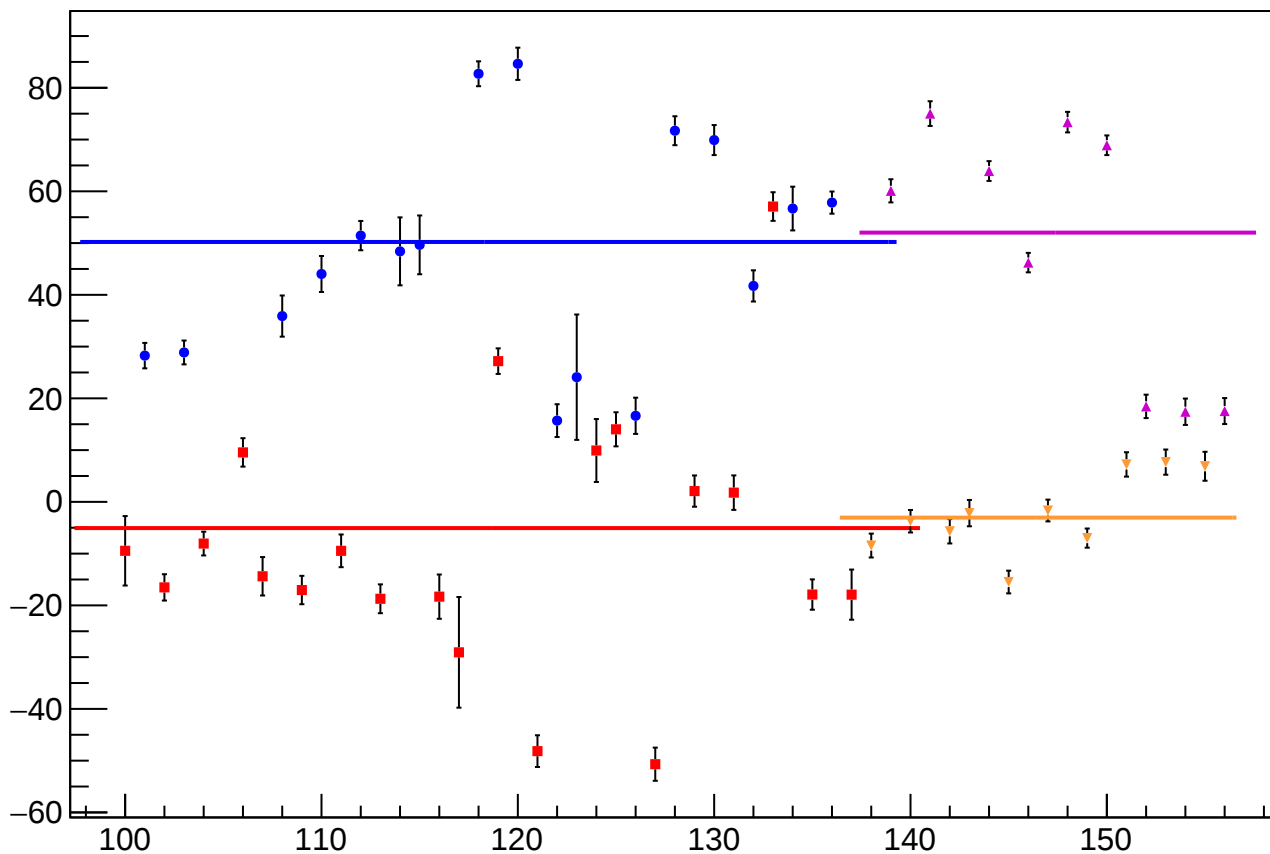
Right Out: 2206.617+/-0.586 χ^2/NDF : 128476.5/19

Left In: 2098.522+/-0.554 χ^2/NDF : 145861.0/8

2173.316+/-0.412 χ^2/NDF : 289500.1/26

2149.541+/-0.403 χ^2/NDF : 292293.9/28

diff_bpm0i01aX_mean vs Slug



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

Left Out: -3.043+/-0.718 χ^2/NDF : 95.1/9

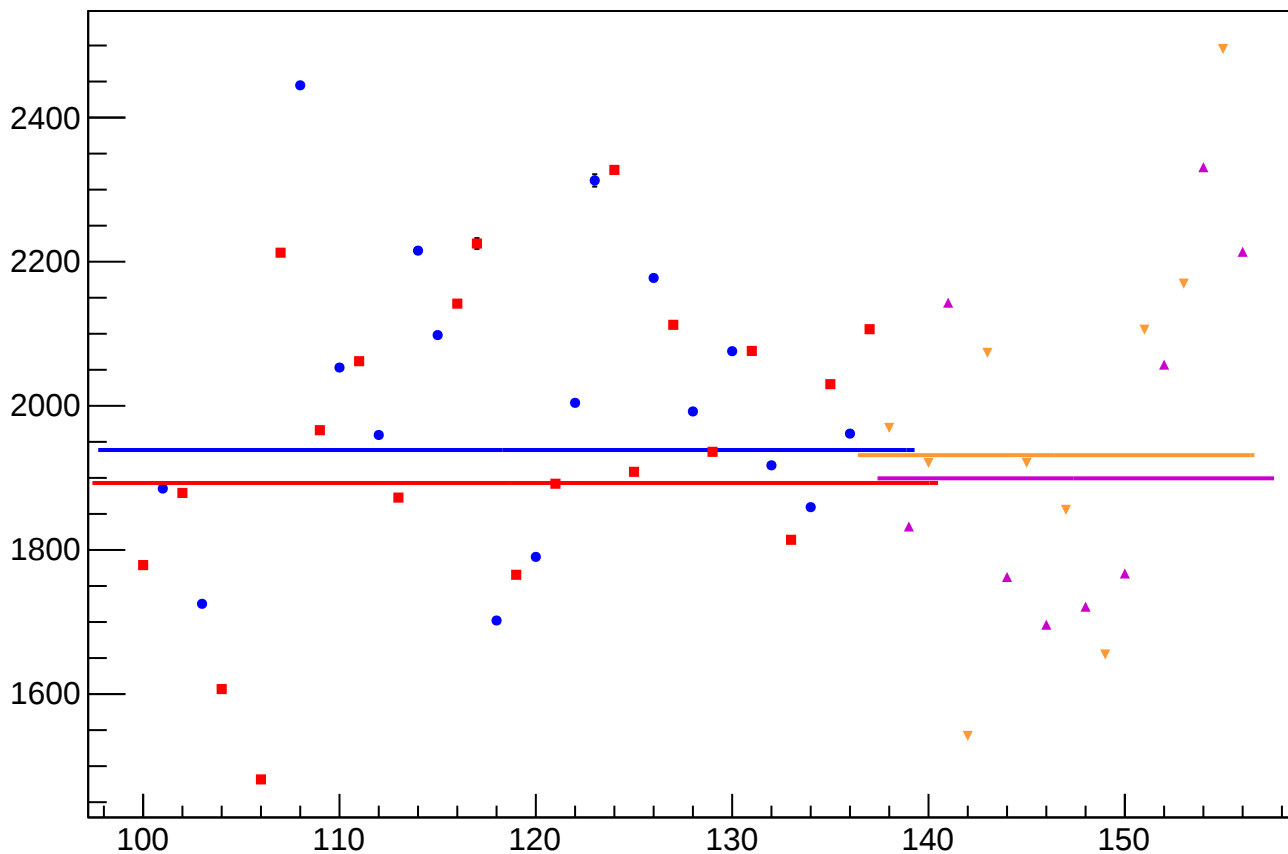
Right Out: -5.065+/-0.712 χ^2/NDF : 1267.6/19

Left In: 52.022+/-0.712 χ^2/NDF : 941.9/8

22.411+/-0.519 χ^2/NDF : 3552.5/26

23.453+/-0.504 χ^2/NDF : 5422.6/28

diff_bpm0i01aX_rms vs Slug



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

Left Out: 1931.567+/-0.508 χ^2/NDF : 220131.2/9

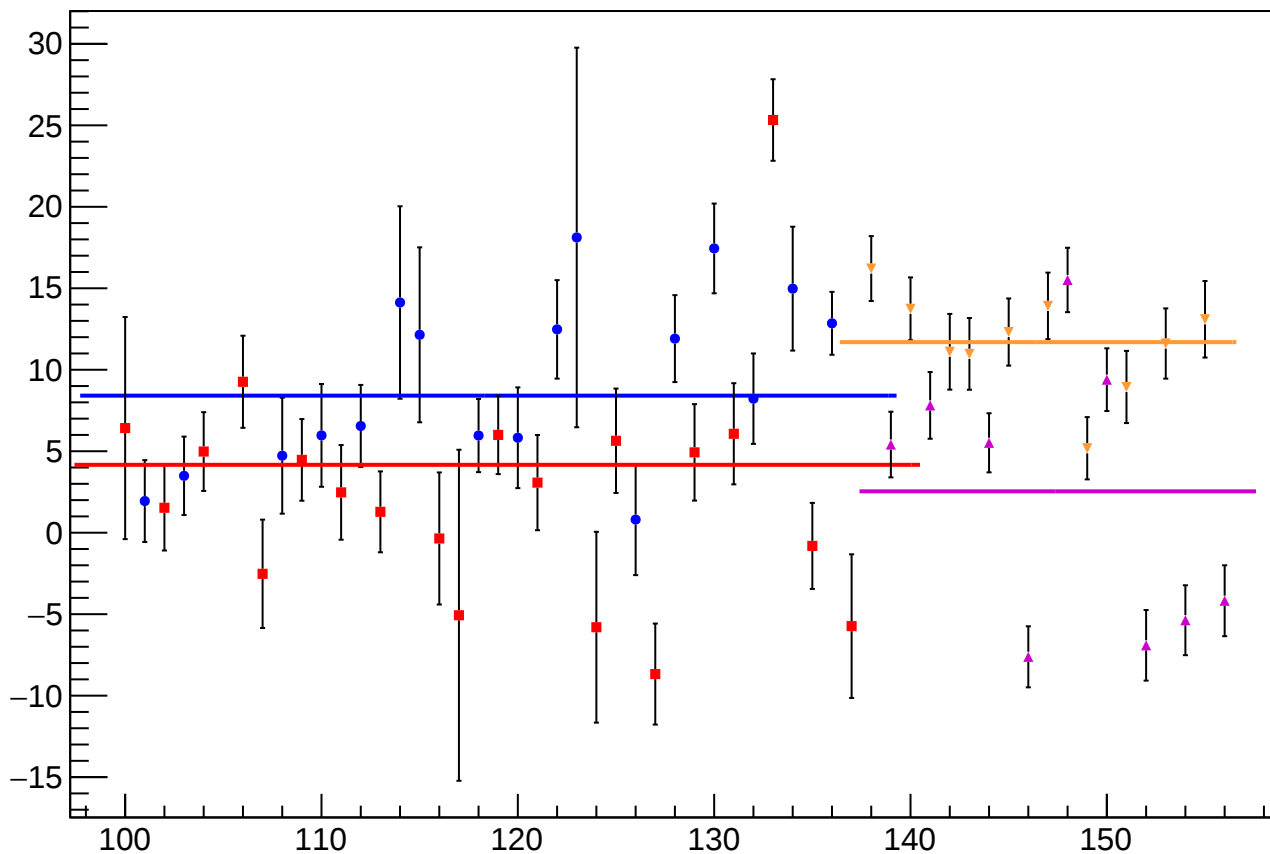
Right Out: 1892.946+/-0.503 χ^2/NDF : 148563.2/19

Left In: 1899.405+/-0.504 χ^2/NDF : 180495.0/8

1934.971+/-0.367 χ^2/NDF : 320368.3/26

1896.173+/-0.356 χ^2/NDF : 329140.5/28

diff_bpm0i01aY_mean vs Slug



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

Left Out: 11.695 ± 0.665 χ^2/NDF : 21.2/9

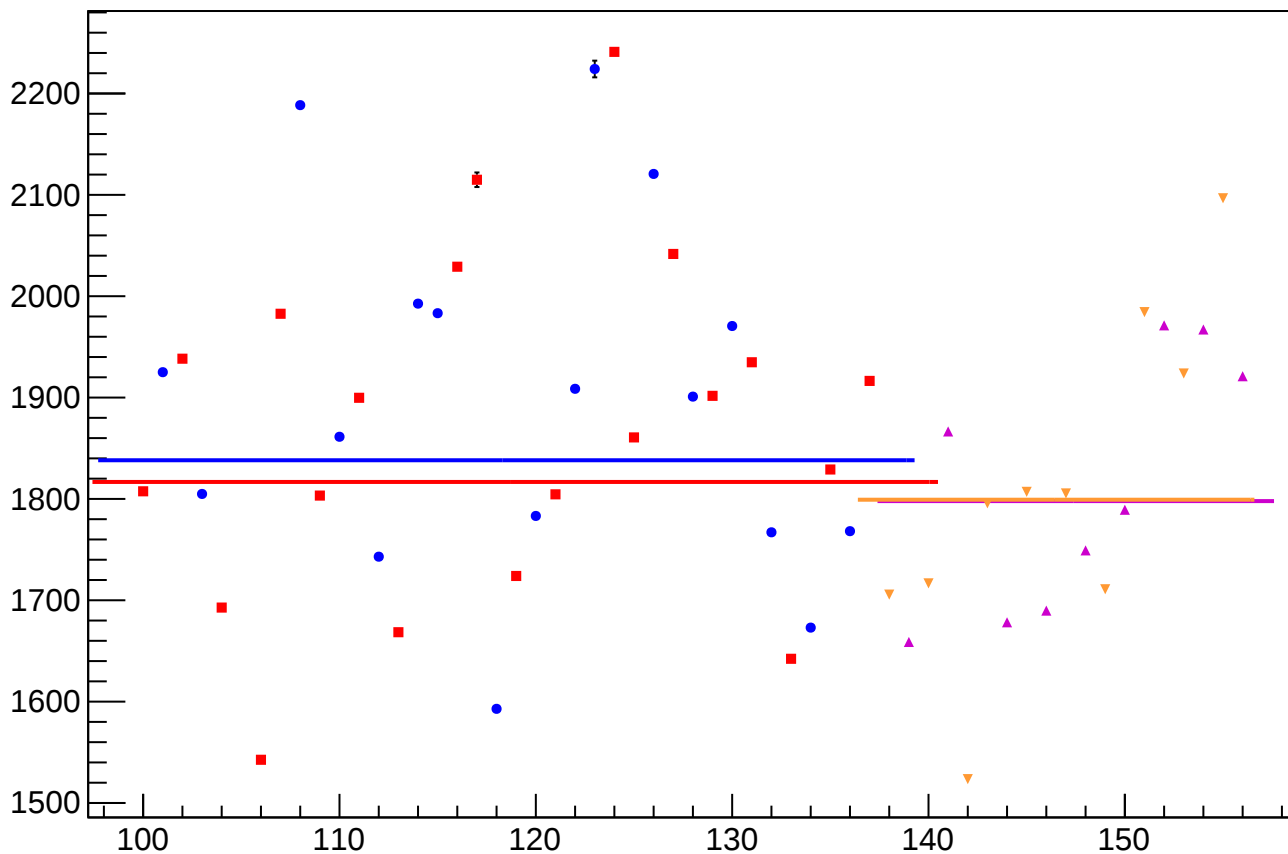
Right Out: 4.167 ± 0.681 χ^2/NDF : 113.9/19

Left In: 2.539 ± 0.668 χ^2/NDF : 138.7/8

10.163 ± 0.486 χ^2/NDF : 77.2/26

3.337 ± 0.477 χ^2/NDF : 255.5/28

diff_bpm0i01aY_rms vs Slug



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

Left Out: 1799.215 $\pm$ 0.470 χ^2 /NDF: 93265.4/9

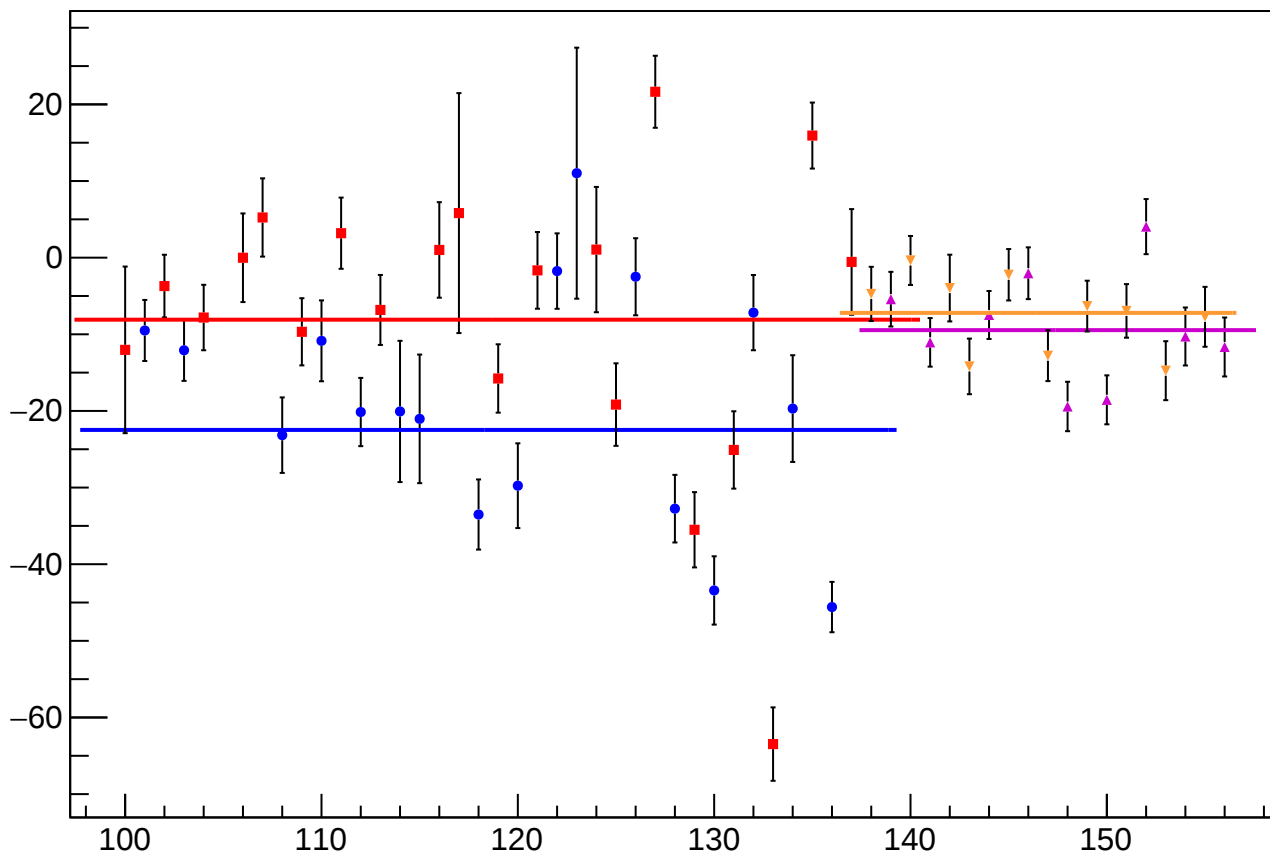
Right Out: 1816.748 $\pm$ 0.481 χ^2 /NDF: 89149.7/19

Left In: 1797.852 $\pm$ 0.472 χ^2 /NDF: 60039.8/8

1817.371 $\pm$ 0.343 χ^2 /NDF: 179341.3/26

1807.119 $\pm$ 0.337 χ^2 /NDF: 149974.5/28

diff_bpm0l01X_mean vs Slug



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

Left Out: -7.205 ± 1.123 χ^2/NDF : 18.3/9

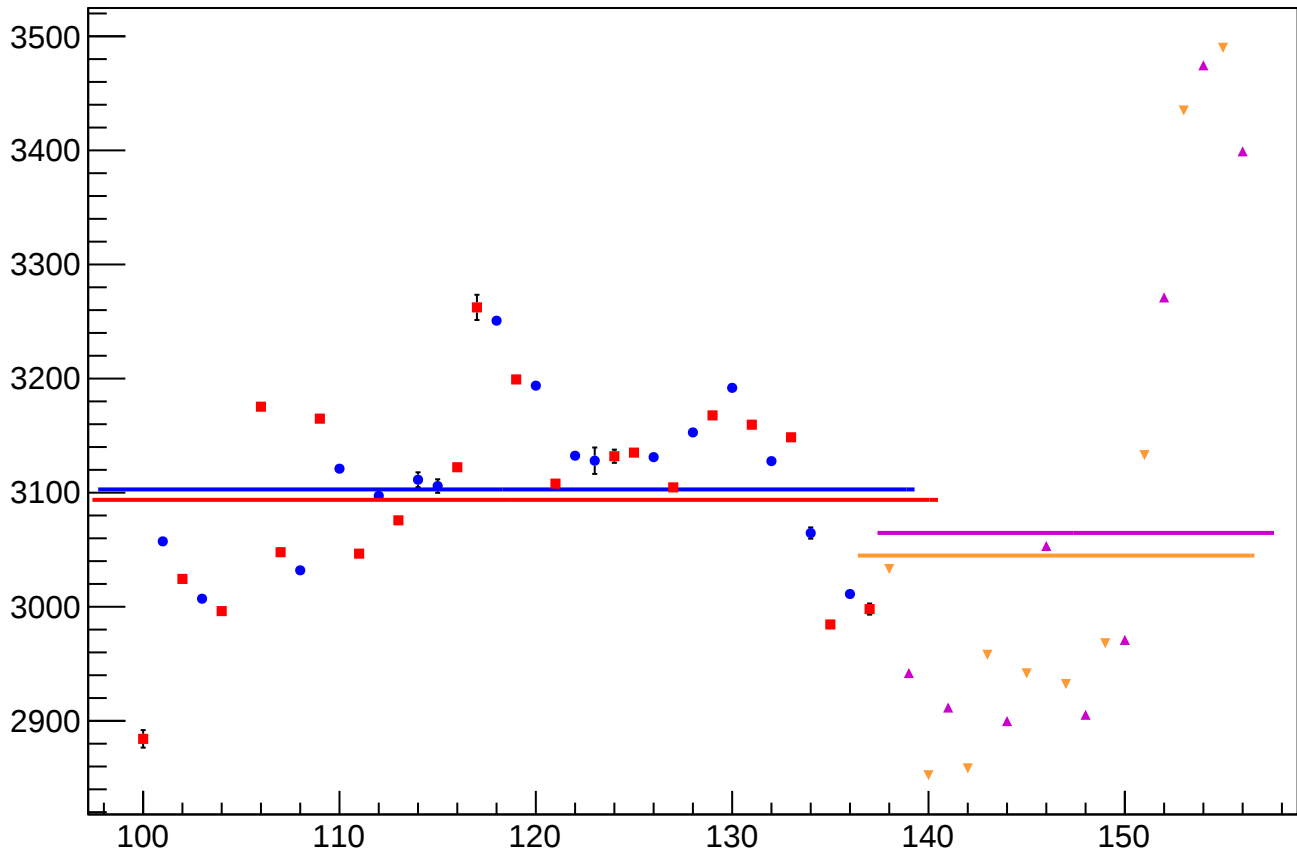
Right Out: -8.093 ± 1.153 χ^2/NDF : 277.7/19

Left In: -9.456 ± 1.134 χ^2/NDF : 38.9/8

-14.370 ± 0.818 χ^2/NDF : 259.8/26

-8.786 ± 0.809 χ^2/NDF : 317.3/28

diff_bpm0l01X_rms vs Slug



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

Left Out: 3044.895 $\pm$ 0.794 χ^2 /NDF: 65148.1/9

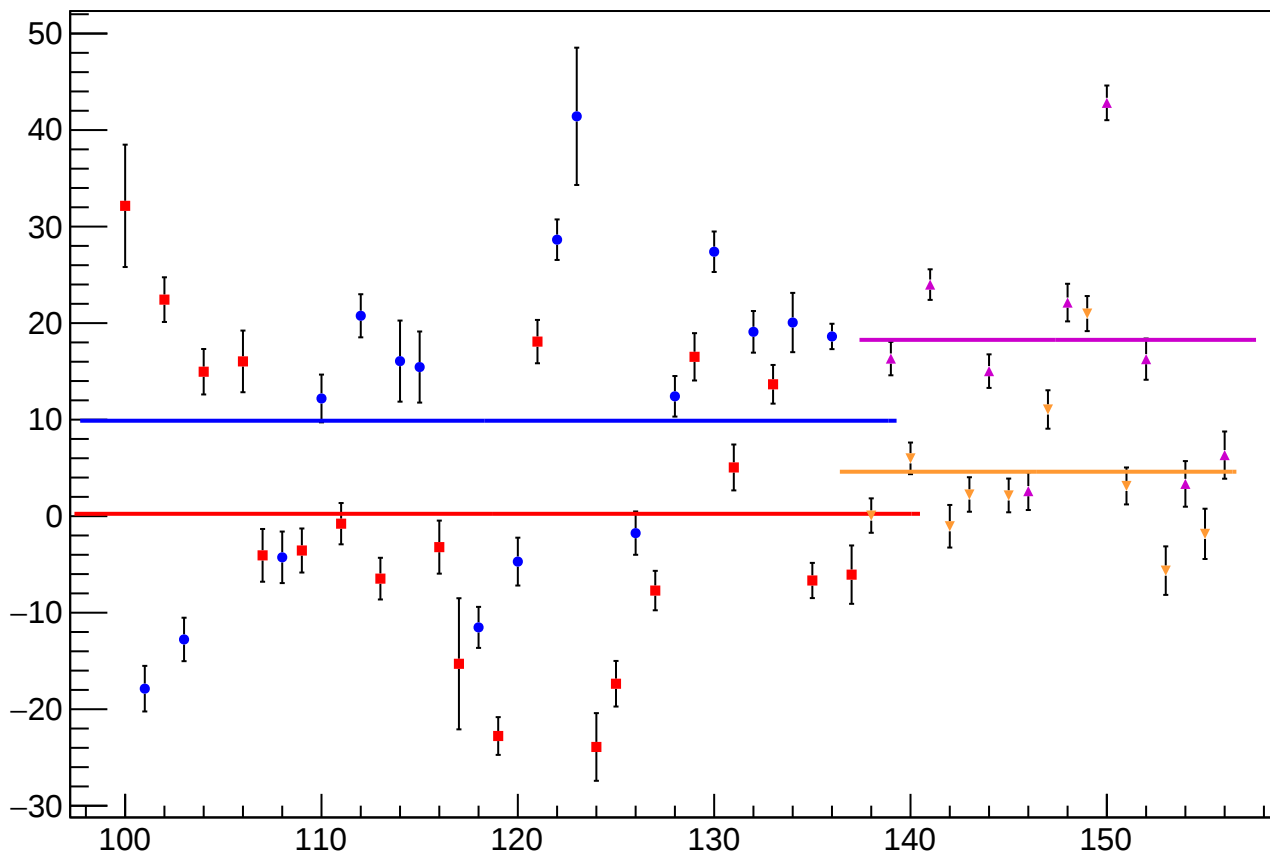
Right Out: 3093.715 $\pm$ 0.816 χ^2 /NDF: 7996.8/19

Left In: 3064.730 $\pm$ 0.802 χ^2 /NDF: 64427.8/8

3072.083 $\pm$ 0.579 χ^2 /NDF: 74990.8/26

3078.983 $\pm$ 0.572 χ^2 /NDF: 73066.7/28

diff_bpm0l01Y_mean vs Slug



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

Left Out: 4.605 $\pm$ 0.612 χ^2 /NDF:132.6/9

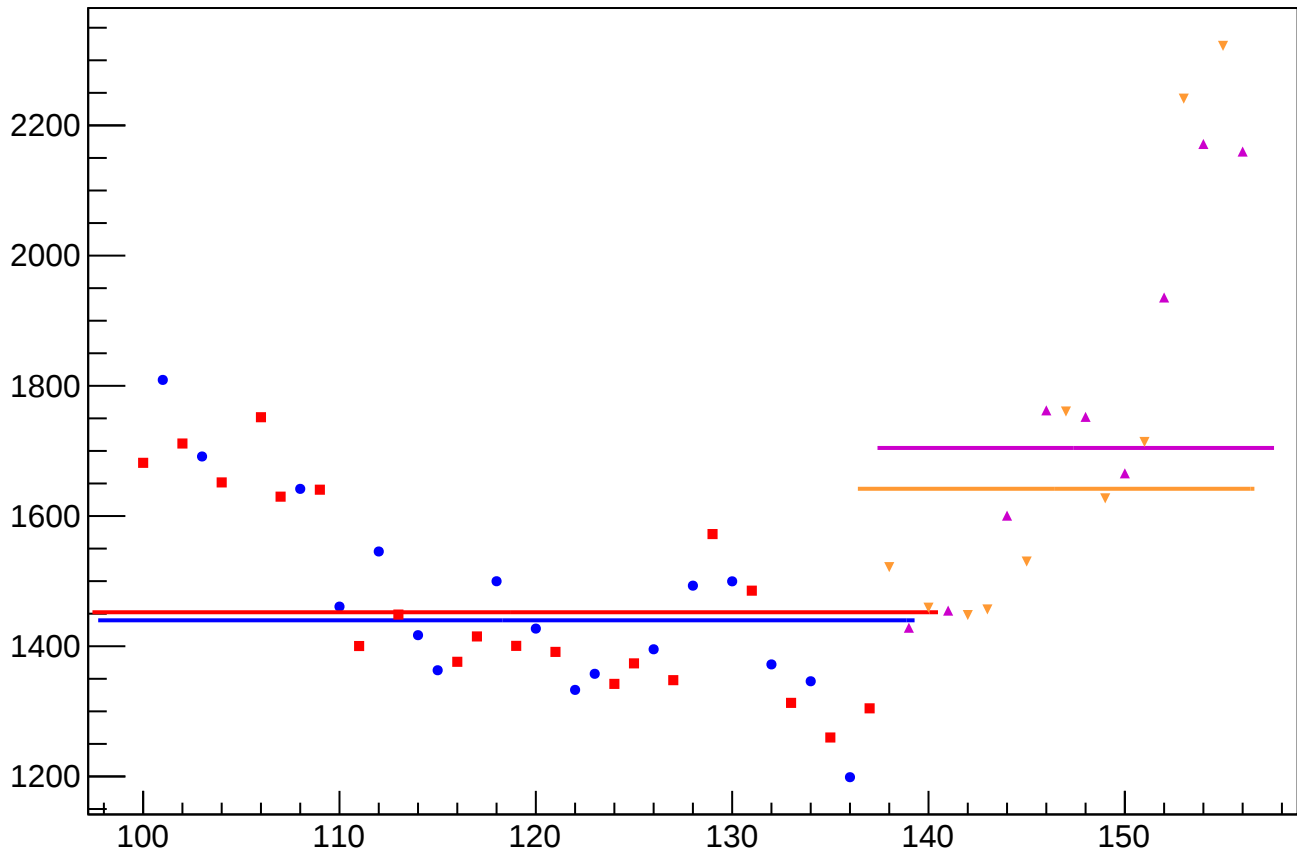
Right Out: 0.245 $\pm$ 0.545 χ^2 /NDF: 634.1/19

Left In: 18.265 $\pm$ 0.637 χ^2 /NDF:337.5/8

7.484 $\pm$ 0.413 χ^2 /NDF: 876.8/26

7.860 $\pm$ 0.414 χ^2 /NDF: 1433.4/28

diff_bpm0l01Y_rms vs Slug



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

Left Out: 1641.869+/-0.433 χ^2/NDF : 339337.1/9

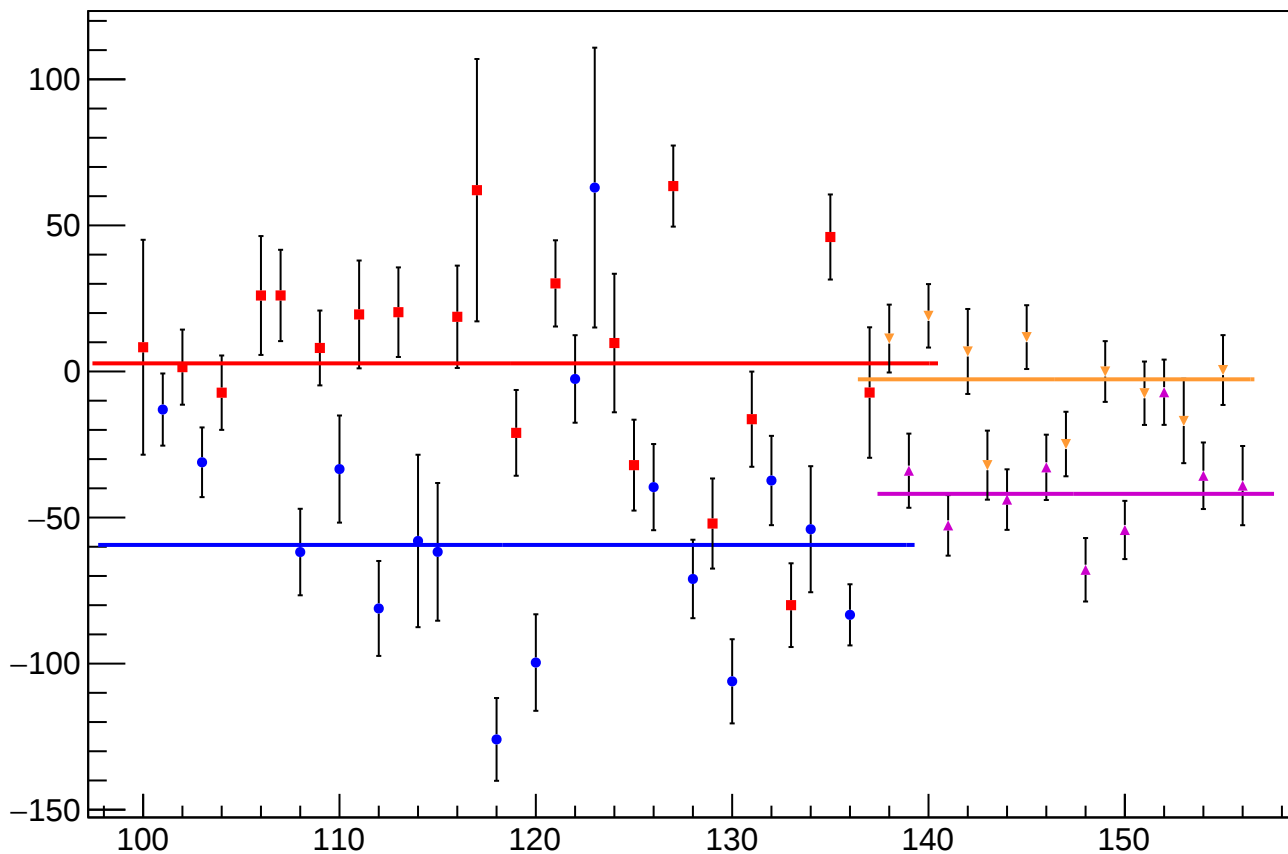
Right Out: 1452.211+/-0.385 χ^2/NDF : 138579.9/19

Left In: 1704.566+/-0.451 χ^2/NDF : 282259.1/8

1531.750+/-0.292 χ^2/NDF : 630828.7/26

1558.844+/-0.293 χ^2/NDF : 601953.7/28

diff_bpm0l02X_mean vs Slug



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

Left Out: -2.686 $\pm$ 3.679 χ^2 /NDF: 19.1/9

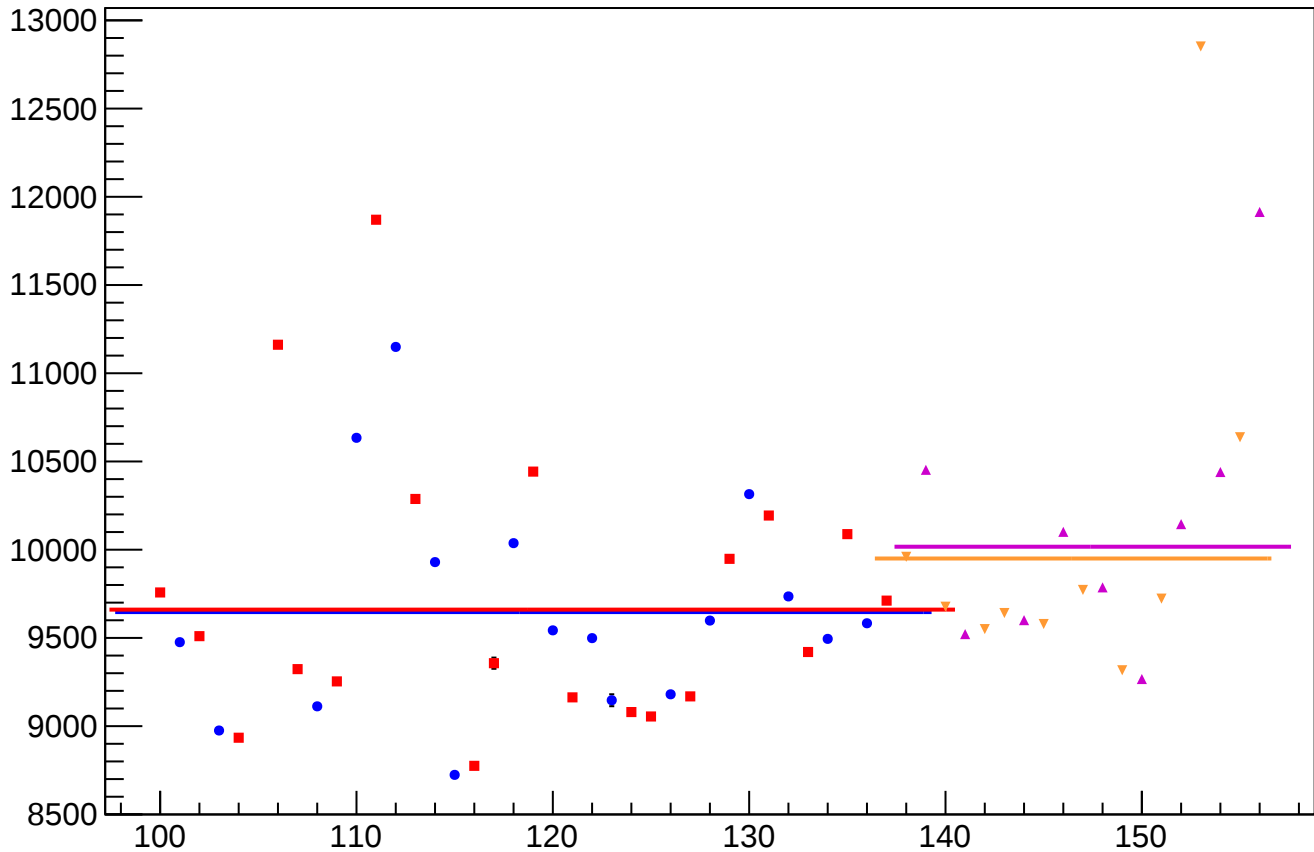
Right Out: 2.776 $\pm$ 3.618 χ^2 /NDF: 95.7/19

Left In: -41.888 $\pm$ 3.713 χ^2 /NDF: 19.5/8

-30.646 $\pm$ 2.619 χ^2 /NDF: 229.2/26

-18.978 $\pm$ 2.591 χ^2 /NDF: 189.4/28

diff_bpm0l02X_rms vs Slug



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

Left Out: 9950.092 ± 2.601 χ^2/NDF : 102569.8/9

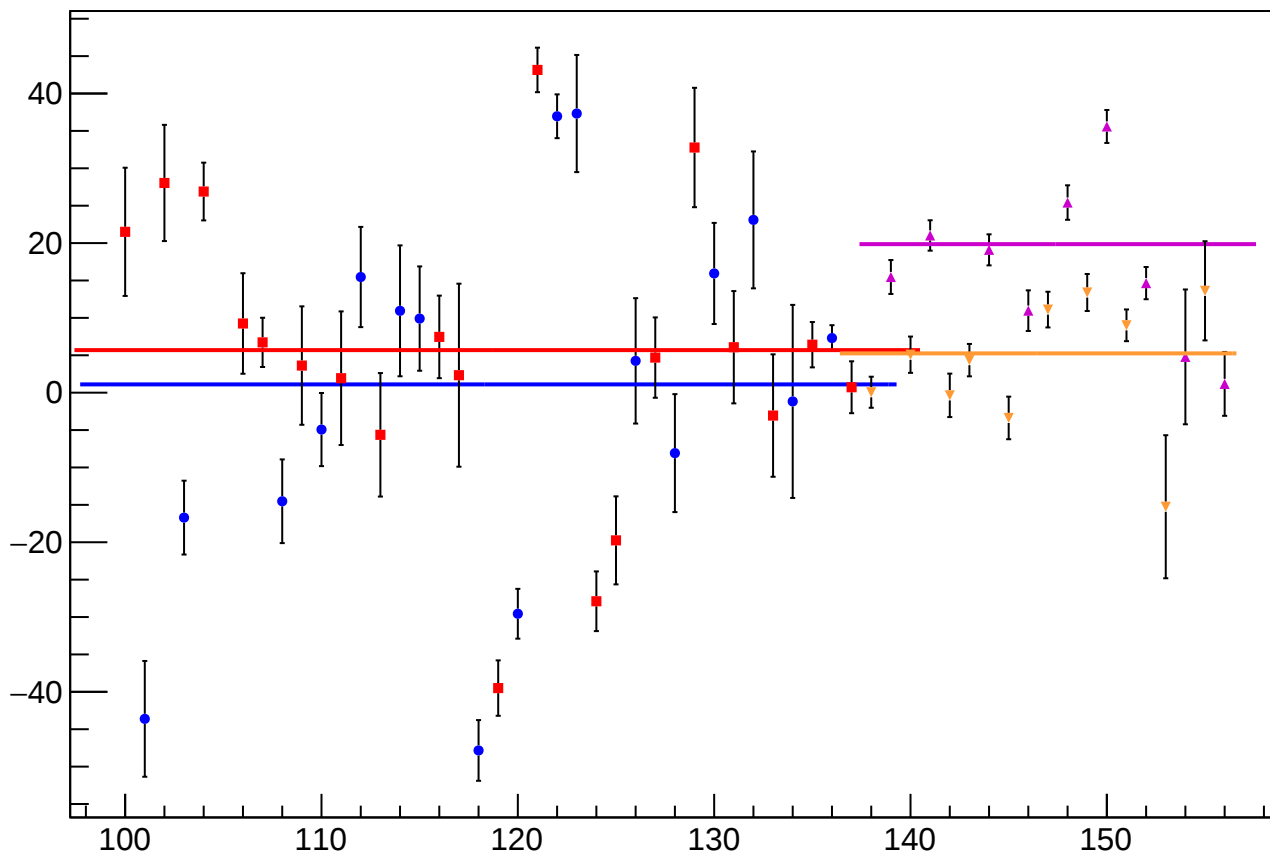
Right Out: 9660.380 ± 2.558 χ^2/NDF : 77676.0/19

Left In: 10016.883 ± 2.625 χ^2/NDF : 64668.9/8

9800.345 ± 1.852 χ^2/NDF : 153349.7/26

9834.015 ± 1.832 χ^2/NDF : 151803.5/28

diff_bpm0l02Y_mean vs Slug



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

Left Out: 5.253 ± 0.830 χ^2/NDF : 45.5/9

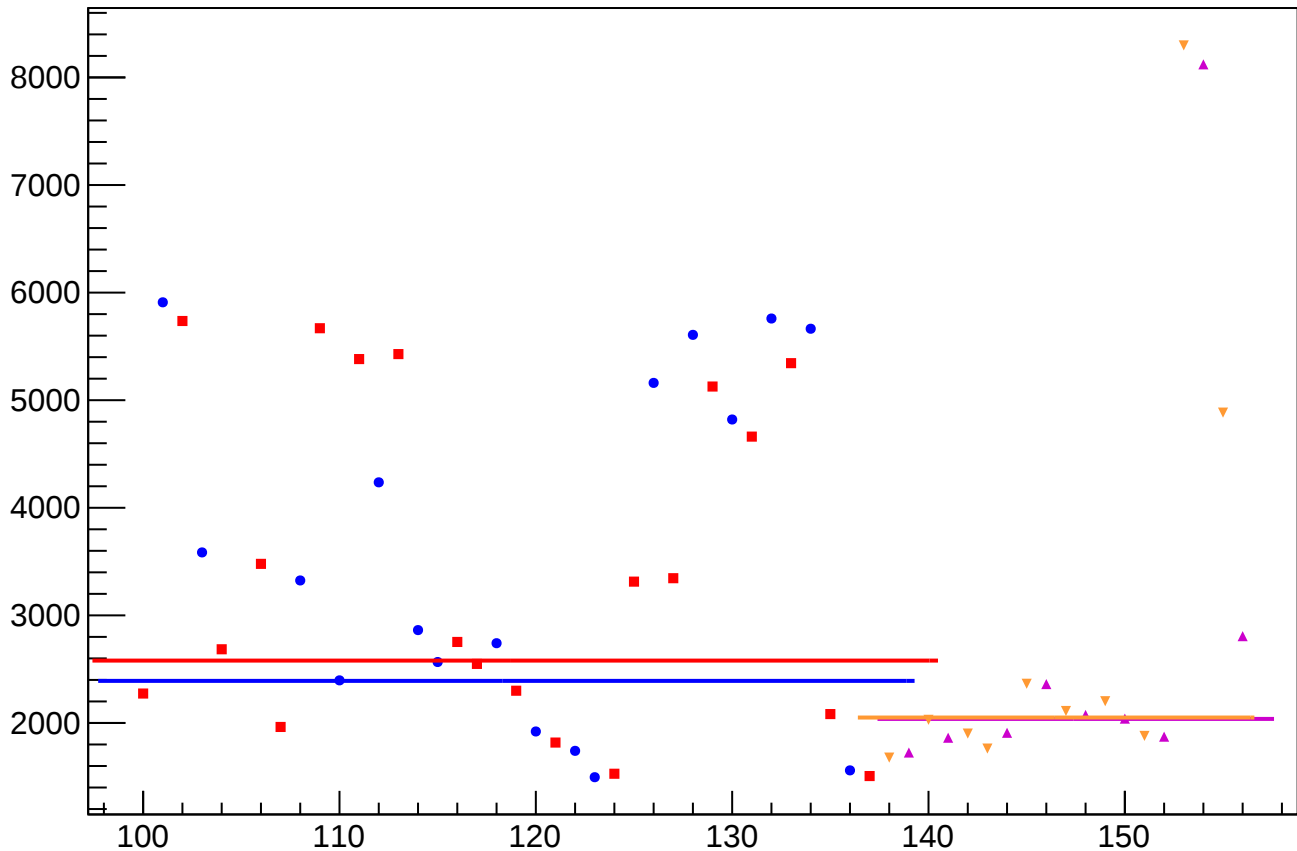
Right Out: 5.689 ± 1.087 χ^2/NDF : 456.0/19

Left In: 19.860 ± 0.822 χ^2/NDF : 99.5/8

3.689 ± 0.655 χ^2/NDF : 544.6/26

14.705 ± 0.655 χ^2/NDF : 663.8/28

diff_bpm0l02Y_rms vs Slug



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

Left Out: 2050.444 ± 0.587 χ^2/NDF : 1370231.0/9

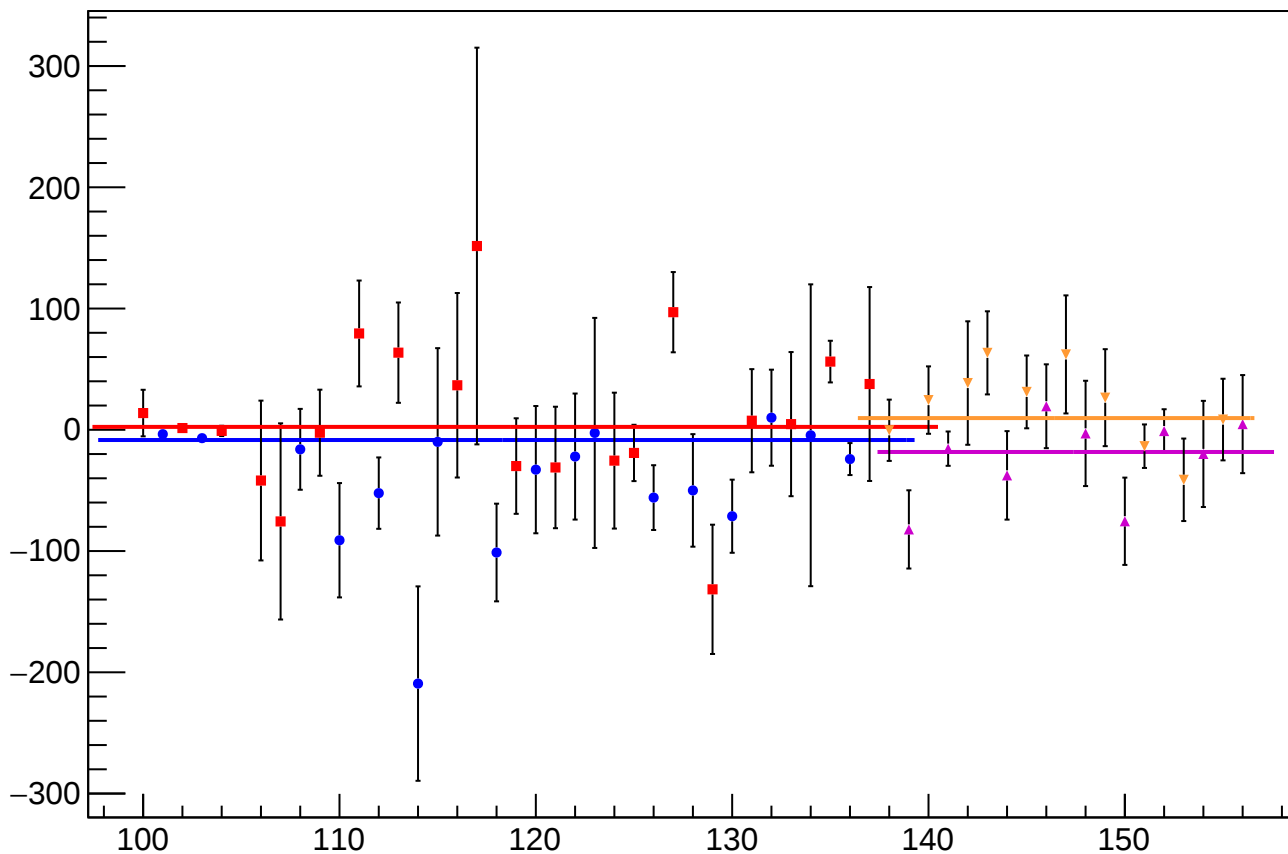
Right Out: 2579.794 ± 0.768 χ^2/NDF : 2365284.2/19

Left In: 2037.675 ± 0.581 χ^2/NDF : 1077247.2/8

2178.967 ± 0.463 χ^2/NDF : 4097915.0/26

2234.866 ± 0.463 χ^2/NDF : 3759161.5/28

diff_bpm0l03X_mean vs Slug



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

Left Out: 9.656 ± 9.488 $\chi^2/\text{NDF}: 9.0/9$

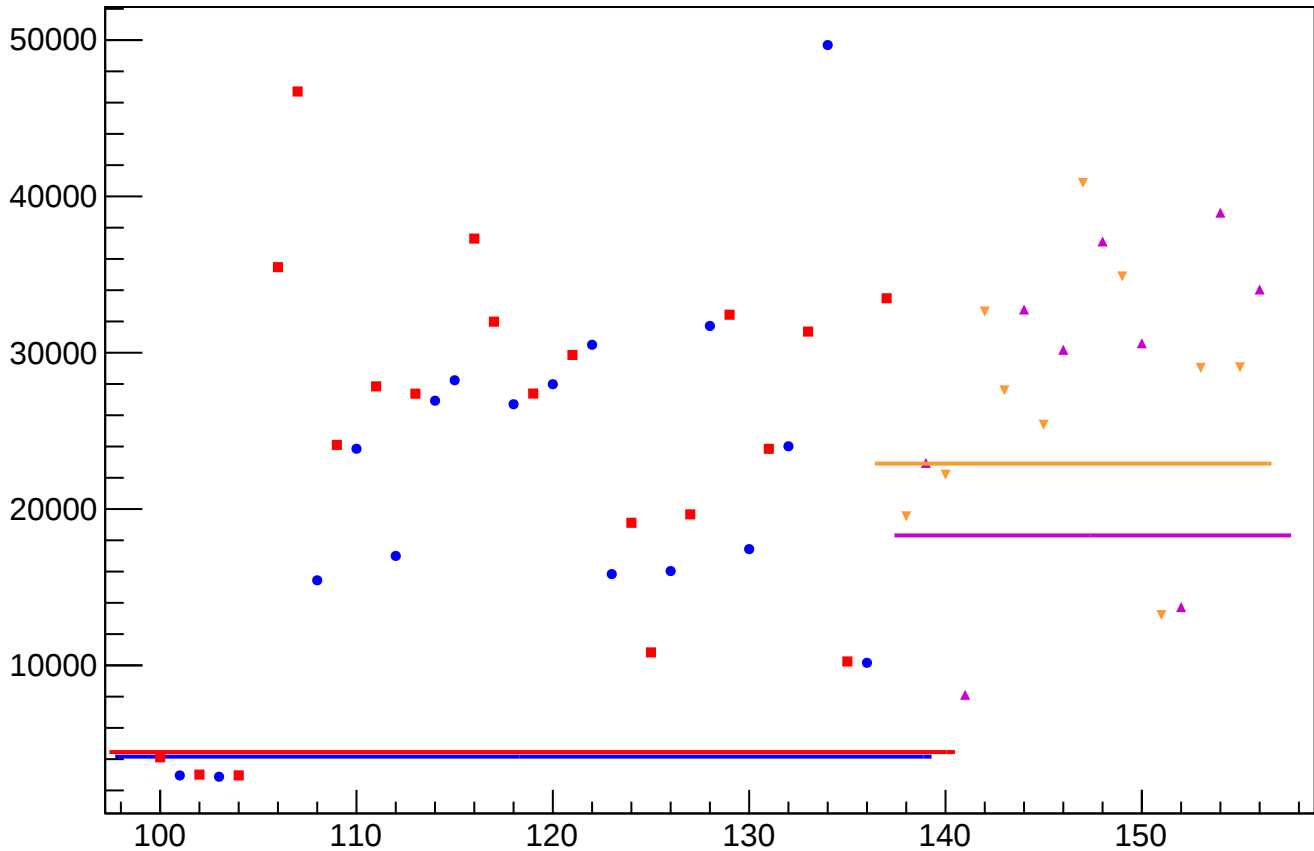
Right Out: 2.392 ± 2.786 $\chi^2/\text{NDF}: 35.5/19$

Left In: -18.299 ± 8.747 $\chi^2/\text{NDF}: 9.3/8$

-7.178 ± 2.496 $\chi^2/\text{NDF}: 41.3/26$

0.485 ± 2.655 $\chi^2/\text{NDF}: 49.9/28$

diff_bpm0l03X_rms vs Slug



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

Left Out: 22906.034 ± 6.709 χ^2/NDF : 1327214.3/9

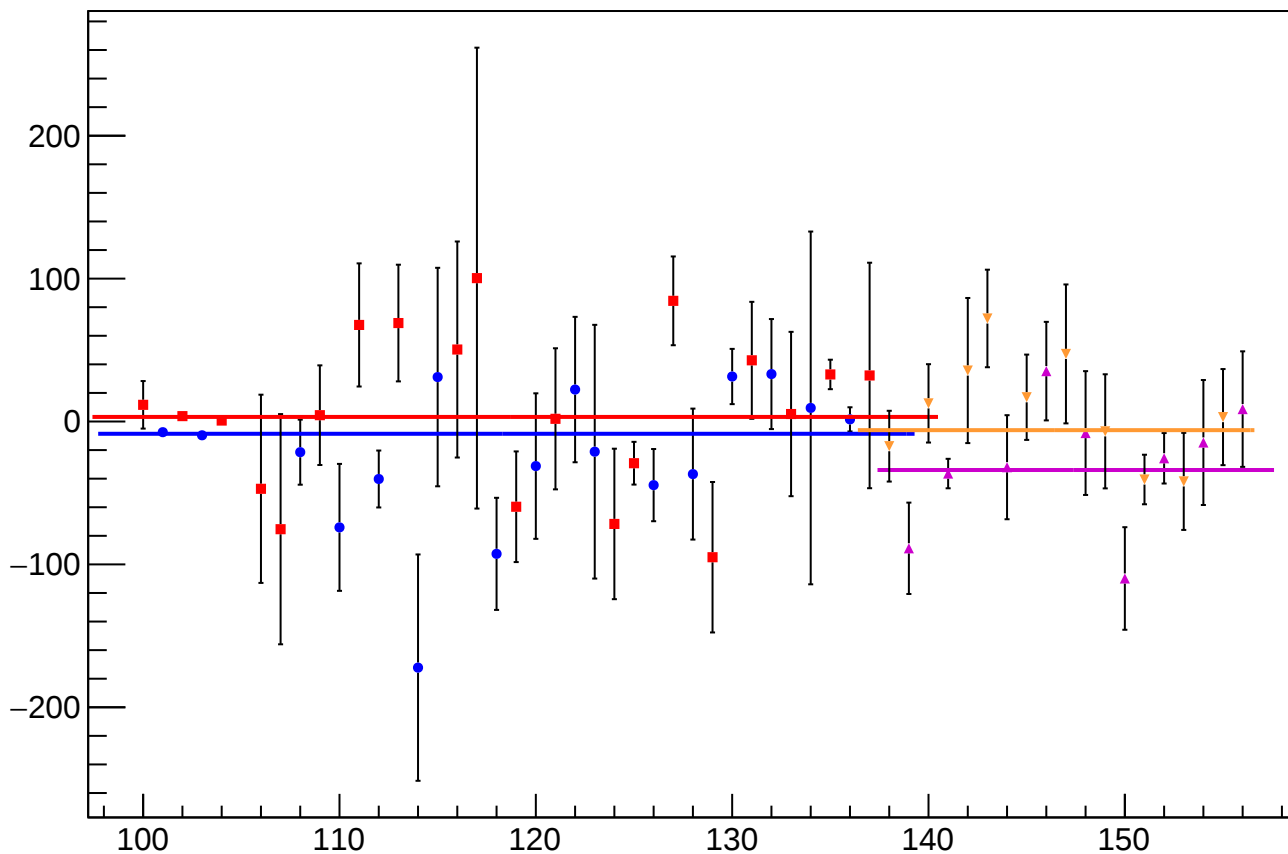
Right Out: 4455.114 ± 1.970 χ^2/NDF : 7483602.5/19

Left In: 18313.456 ± 6.185 χ^2/NDF : 3115464.9/8

5459.672 ± 1.765 χ^2/NDF : 14581842.4/26

5731.960 ± 1.877 χ^2/NDF : 15157176.4/28

diff_bpm0l03Y_mean vs Slug



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

Left Out: -6.054 ± 9.343 $\chi^2/\text{NDF}: 13.5/9$

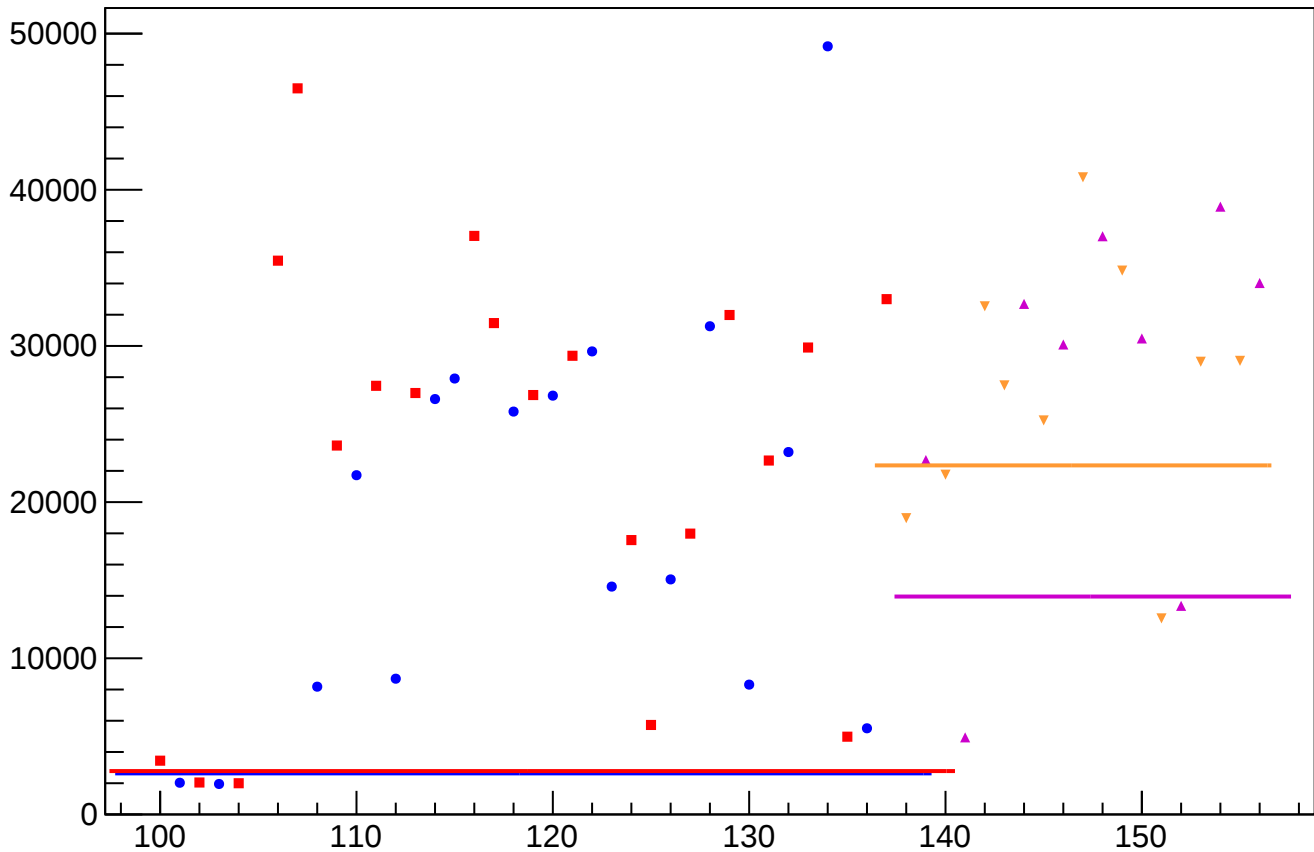
Right Out: 3.208 ± 1.922 $\chi^2/\text{NDF}: 37.2/19$

Left In: -33.939 ± 7.532 $\chi^2/\text{NDF}: 13.4/8$

-8.498 ± 1.746 $\chi^2/\text{NDF}: 38.0/26$

0.936 ± 1.862 $\chi^2/\text{NDF}: 73.5/28$

diff_bpm0l03Y_rms vs Slug



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

Left Out: 22351.232+/-6.607 χ^2/NDF :1459349.8/9

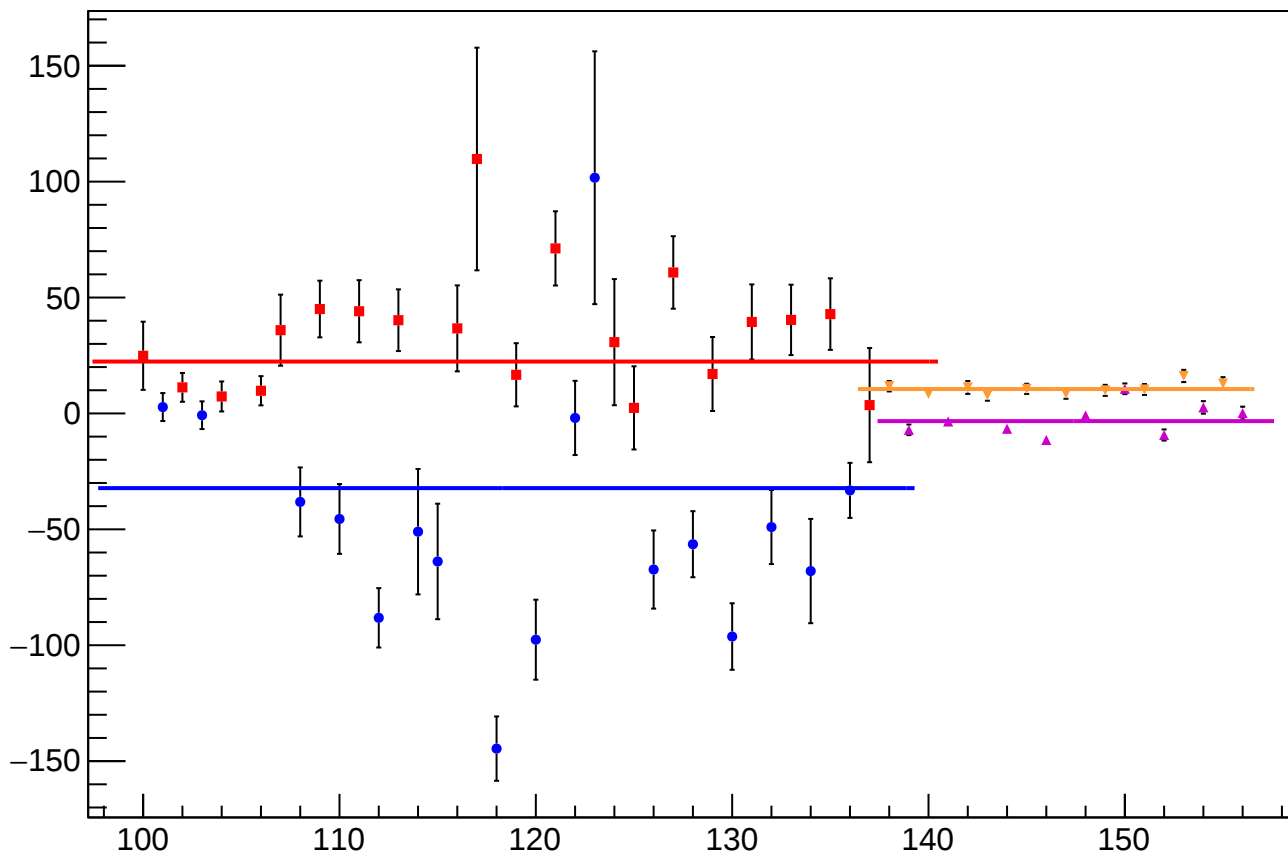
Right Out: 2777.521+/-1.359 χ^2/NDF : 7899165.0/19

Left In: 13953.779+/-5.326 χ^2/NDF :4785113.1/8

3319.544+/-1.235 χ^2/NDF : 15646914.0/26

3460.926+/-1.317 χ^2/NDF : 16819054.4/28

diff_bpm0l04X_mean vs Slug



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

Left Out: 10.520 ± 0.753 χ^2/NDF : 8.7/9

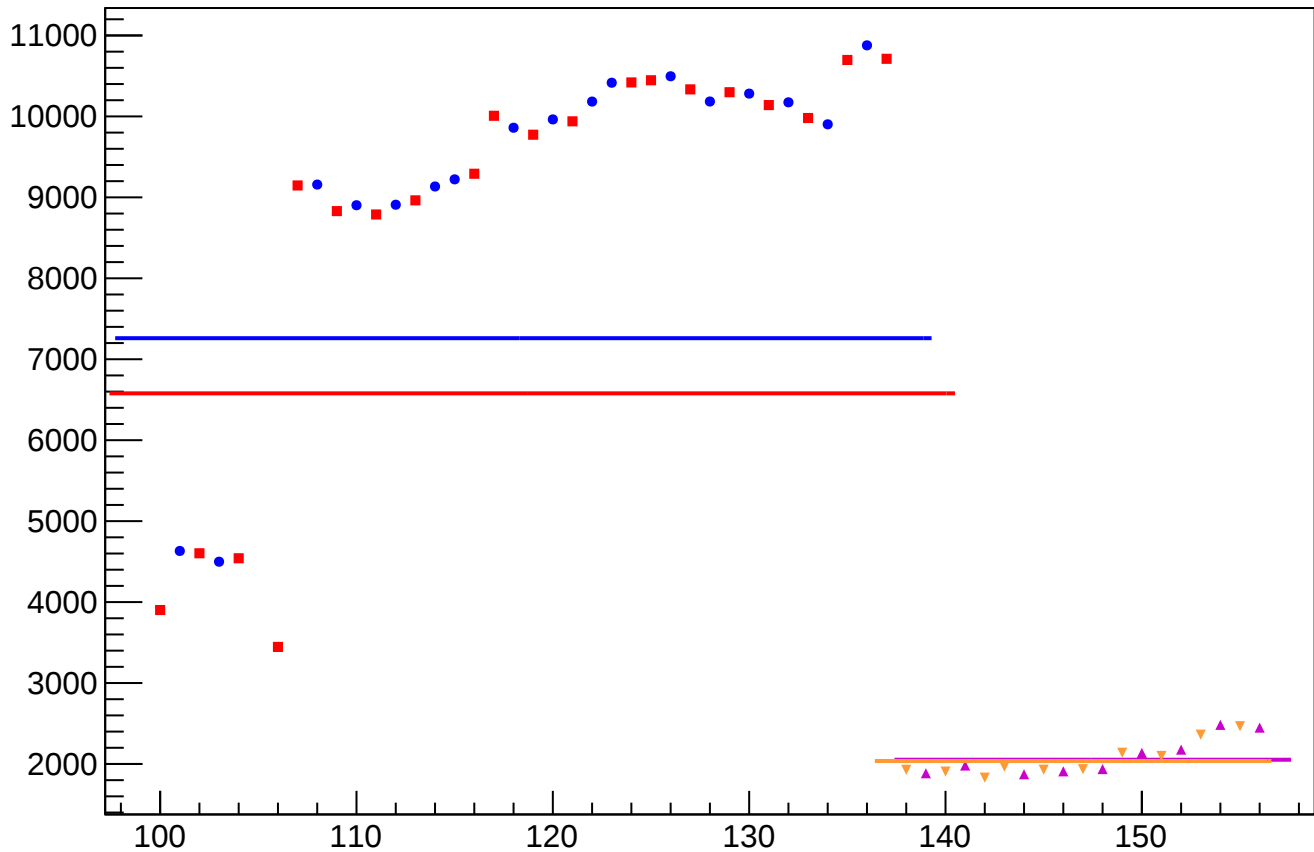
Right Out: 22.381 ± 2.665 χ^2/NDF : 47.0/19

Left In: -3.312 ± 0.762 χ^2/NDF : 70.9/8

7.957 ± 0.730 χ^2/NDF : 405.6/26

-1.369 ± 0.733 χ^2/NDF : 203.8/28

diff_bpm0l04X_rms vs Slug



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

Left Out: 2036.898+/-0.532 χ^2/NDF : 117462.4/9

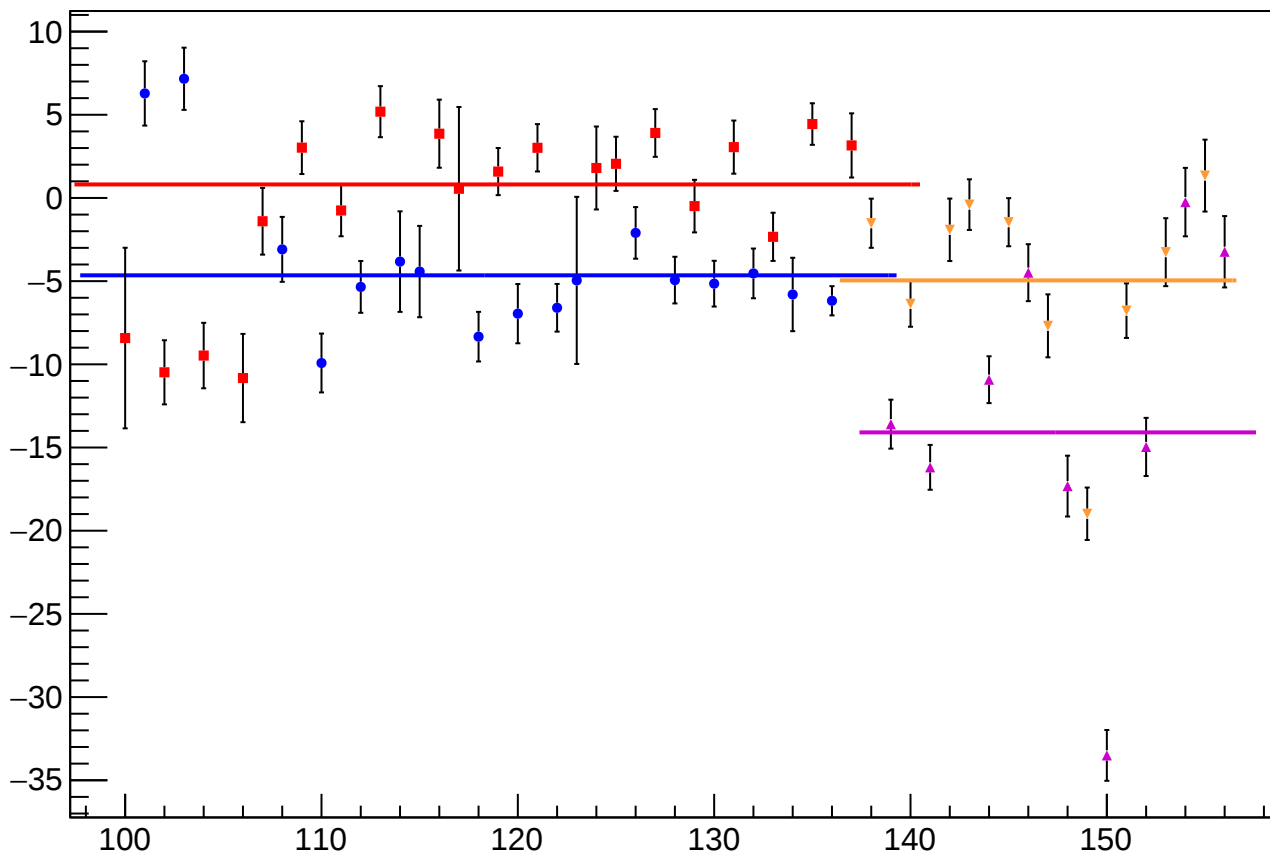
Right Out: 6578.773+/-1.885 χ^2/NDF : 2206772.9/19

Left In: 2052.364+/-0.539 χ^2/NDF : 143463.9/8

2350.101+/-0.516 χ^2/NDF : 7524222.6/26

2394.665+/-0.518 χ^2/NDF : 7682718.5/28

diff_bpm0l04Y_mean vs Slug



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

Left Out: -4.954 ± 0.521 χ^2/NDF : 115.6/9

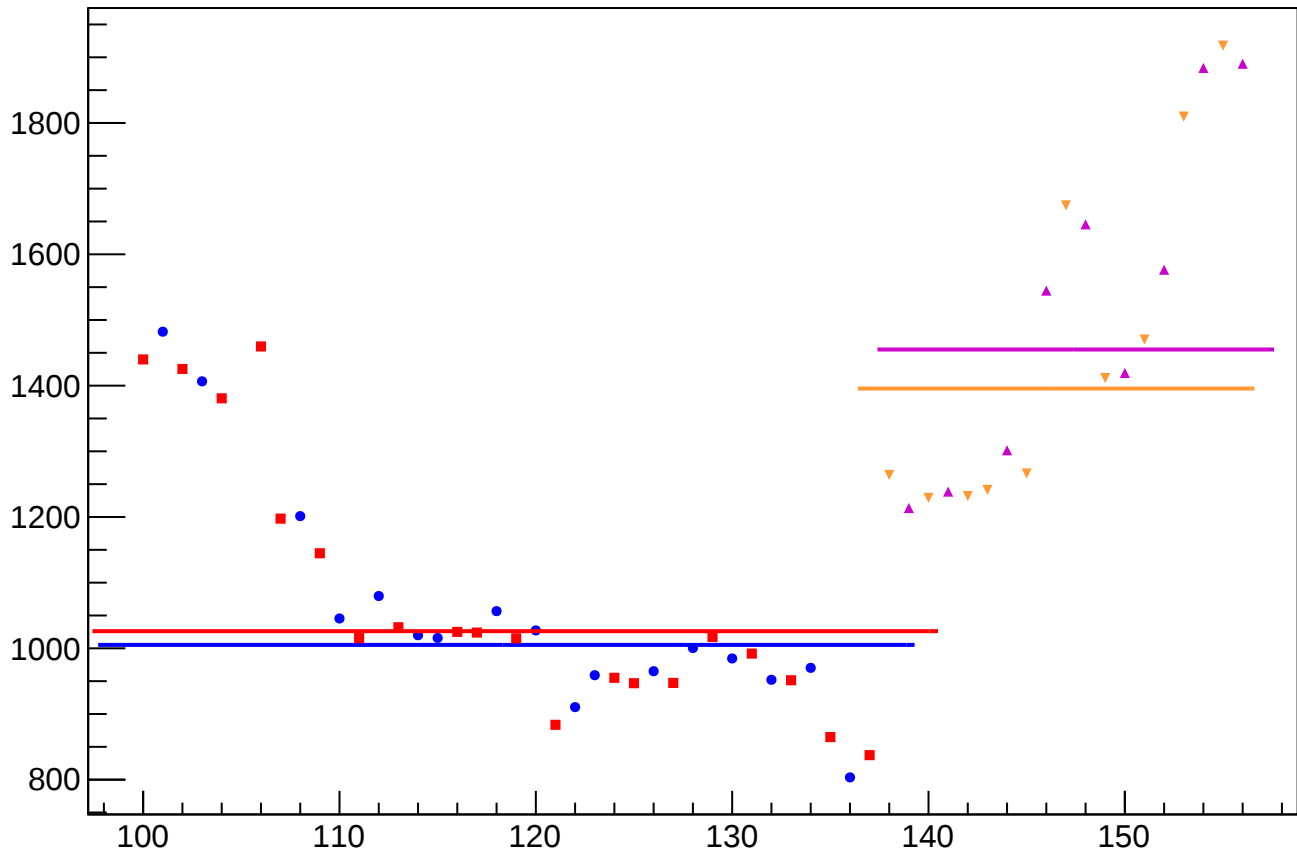
Right Out: 0.813 ± 0.387 χ^2/NDF : 123.7/19

Left In: -14.091 ± 0.545 χ^2/NDF : 274.9/8

-4.761 ± 0.314 χ^2/NDF : 213.4/26

-4.188 ± 0.316 χ^2/NDF : 895.5/28

diff_bpm0l04Y_rms vs Slug



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

Left Out: 1395.607+/-0.368 χ^2/NDF : 343554.7/9

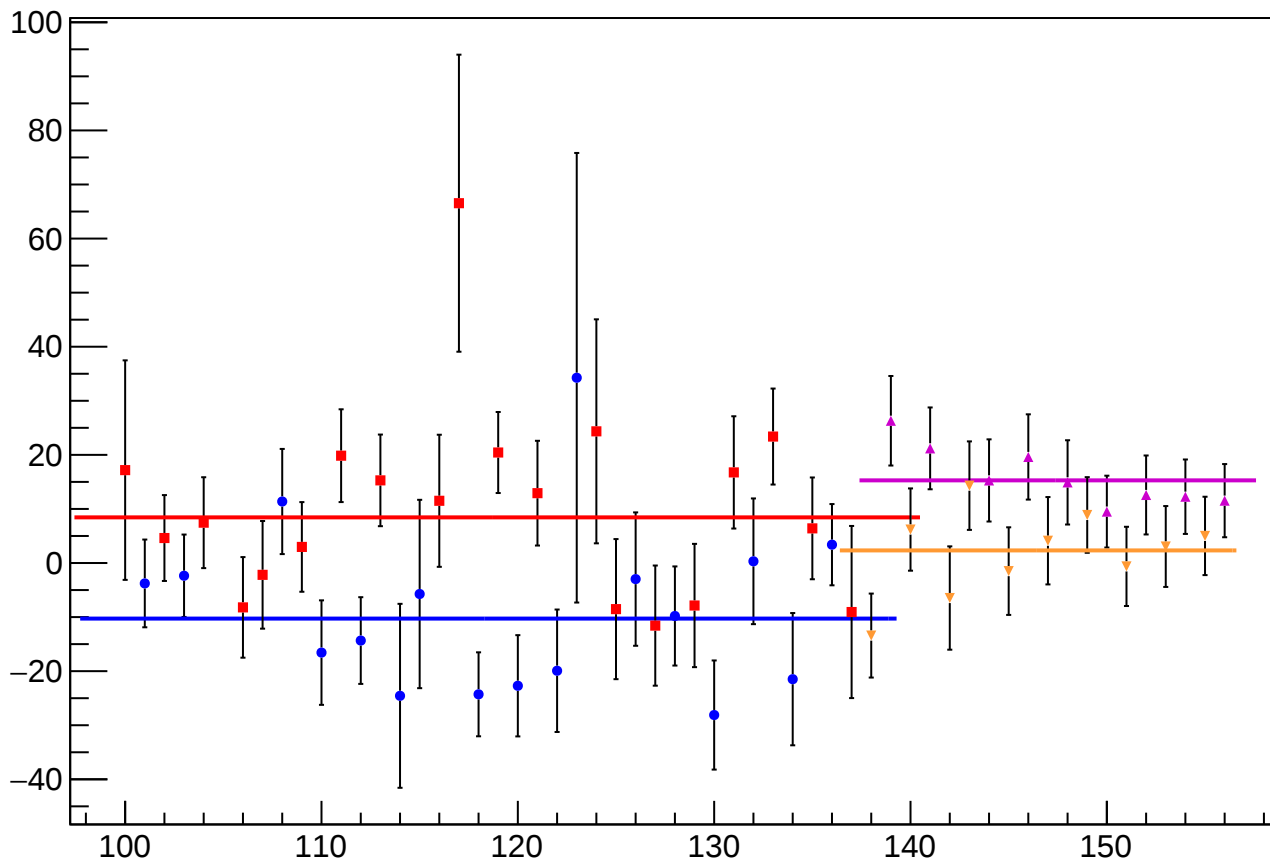
Right Out: 1026.145+/-0.274 χ^2/NDF : 333119.4/19

Left In: 1455.052+/-0.385 χ^2/NDF : 336326.1/8

1146.685+/-0.222 χ^2/NDF : 1421957.9/26

1170.058+/-0.223 χ^2/NDF : 1492480.5/28

diff_bpm0l05X_mean vs Slug



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

Left Out: 2.330 ± 2.452 $\chi^2/\text{NDF}: 8.8/9$

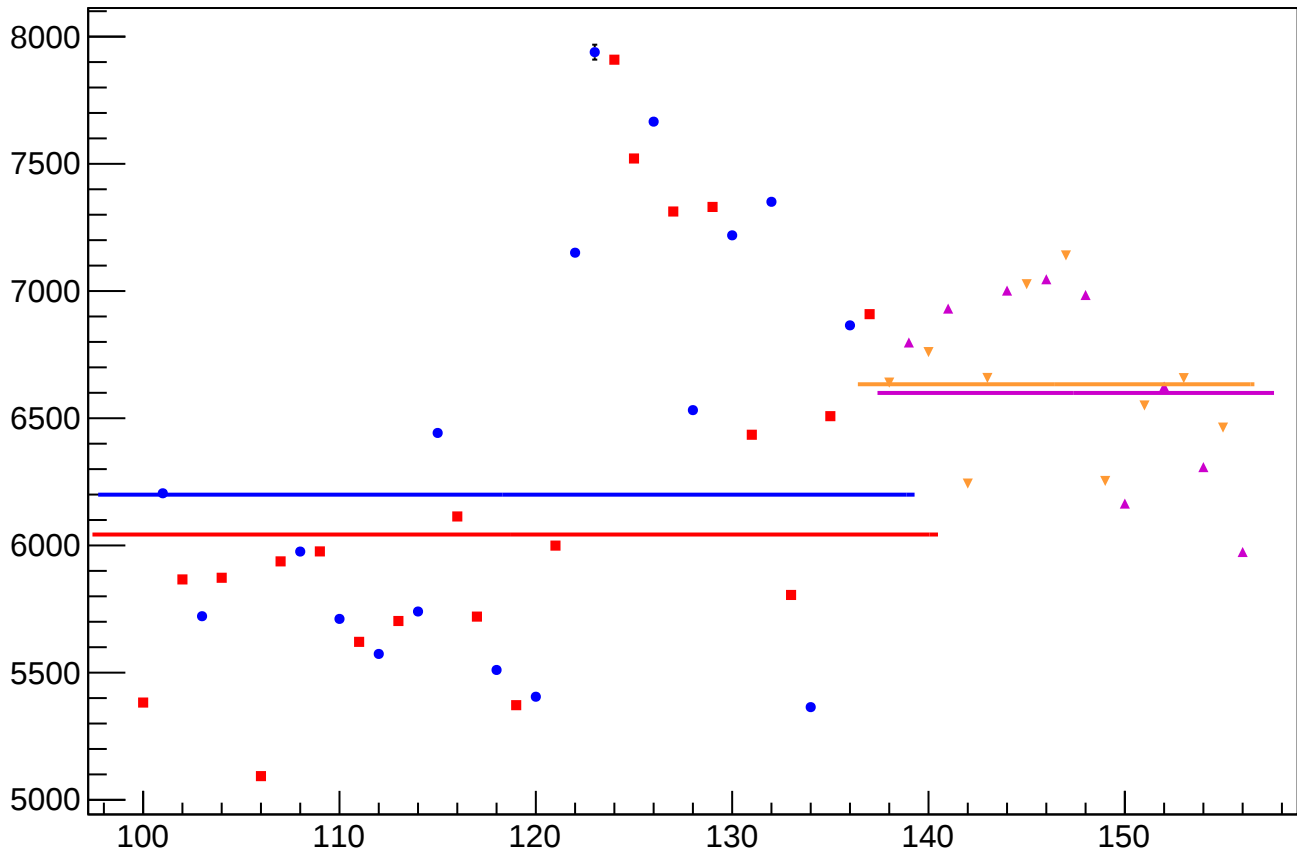
Right Out: 8.441 ± 2.271 $\chi^2/\text{NDF}: 27.3/19$

Left In: 15.285 ± 2.452 $\chi^2/\text{NDF}: 4.1/8$

-4.089 ± 1.718 $\chi^2/\text{NDF}: 45.8/26$

11.600 ± 1.666 $\chi^2/\text{NDF}: 35.5/28$

diff_bpm0l05X_rms vs Slug



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

Left Out: 6633.596 $\pm$ 1.734 χ^2/NDF : 23776.1/9

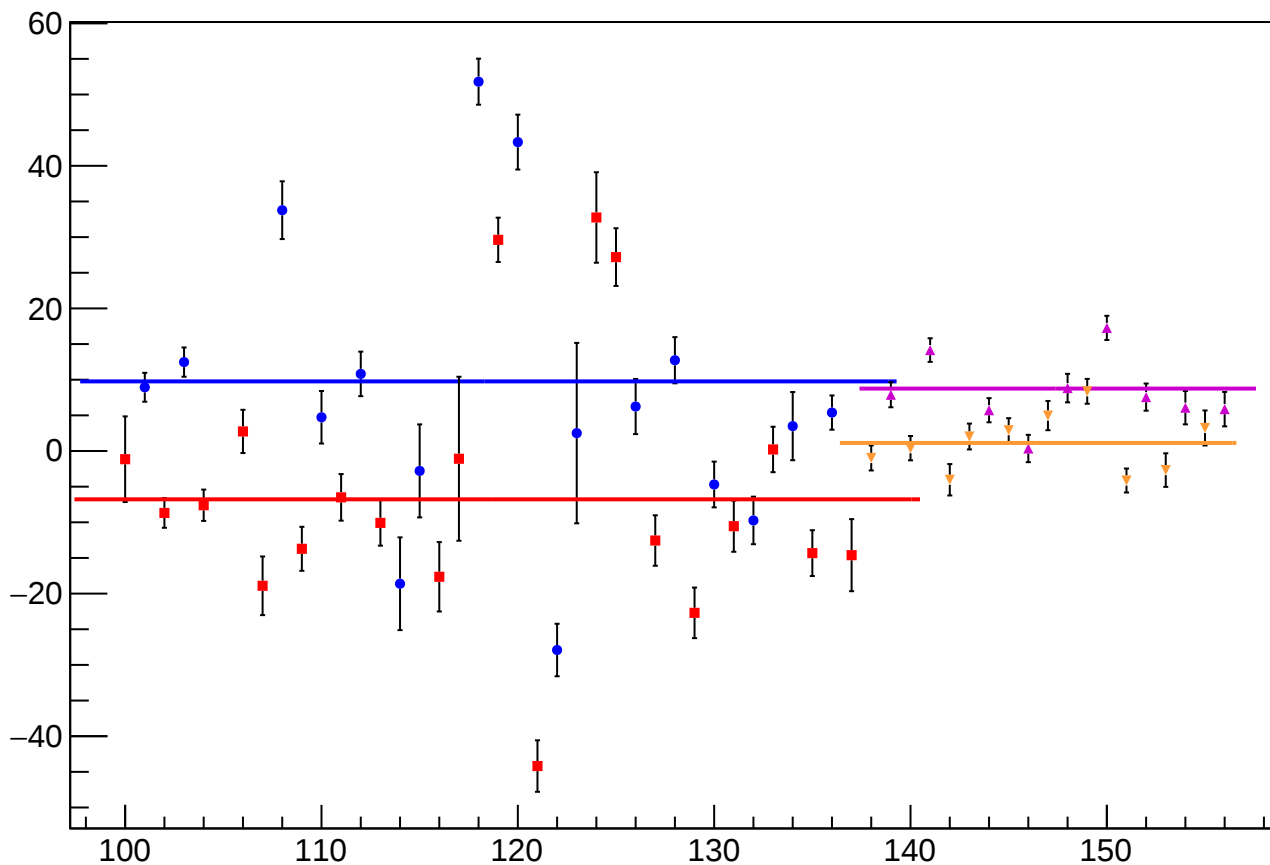
Right Out: 6042.952 $\pm$ 1.606 χ^2/NDF : 158600.9/19

Left In: 6599.441 $\pm$ 1.734 χ^2/NDF : 51156.5/8

6412.650 $\pm$ 1.215 χ^2/NDF : 227429.8/26

6299.825 $\pm$ 1.178 χ^2/NDF : 265209.3/28

diff_bpm0l05Y_mean vs Slug



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

Left Out: 1.130 ± 0.598 χ^2/NDF : 42.4/9

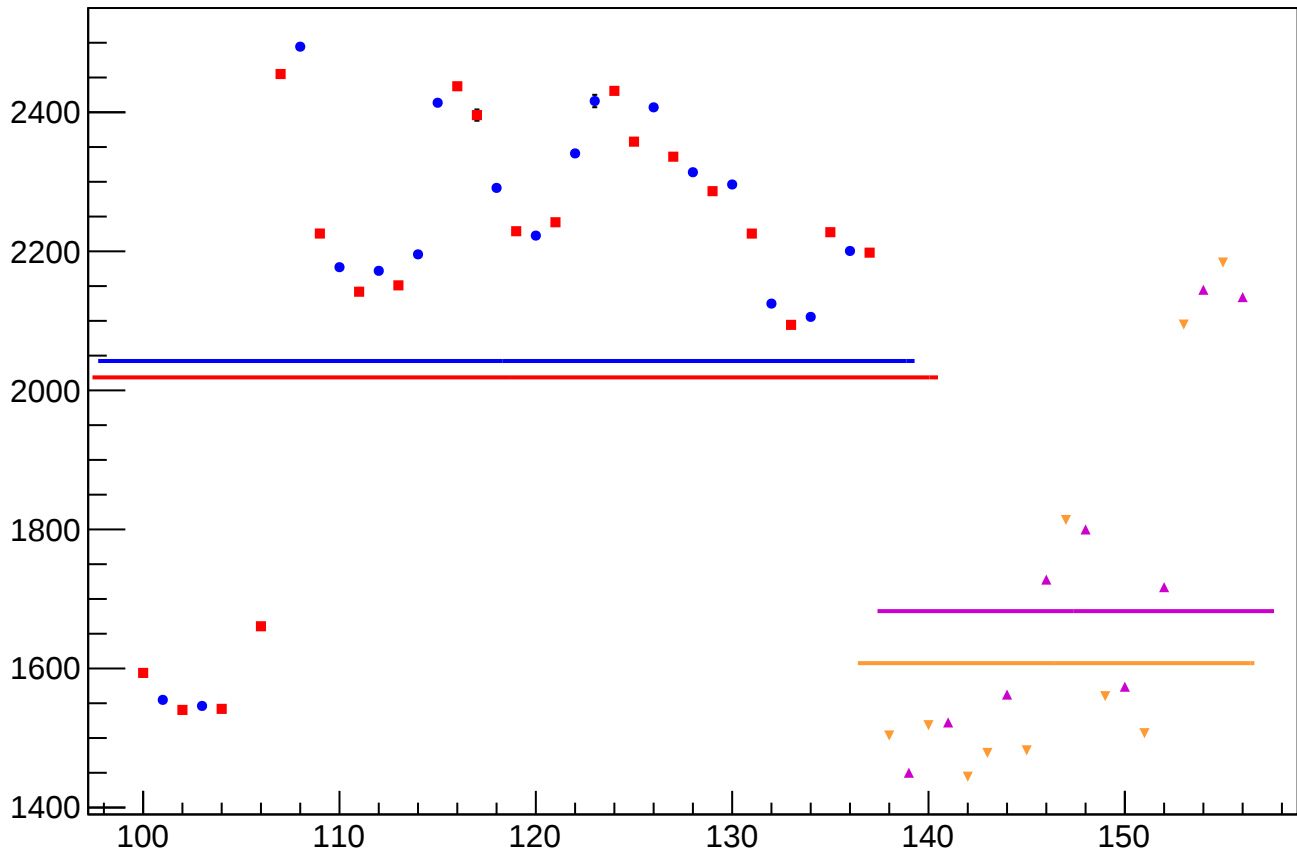
Right Out: -6.776 ± 0.763 χ^2/NDF : 422.1/19

Left In: 8.756 ± 0.628 χ^2/NDF : 61.6/8

4.241 ± 0.478 χ^2/NDF : 591.3/26

2.485 ± 0.485 χ^2/NDF : 730.8/28

diff_bpm0l05Y_rms vs Slug



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

Left Out: 1607.689+/-0.423 χ^2/NDF : 269443.4/9

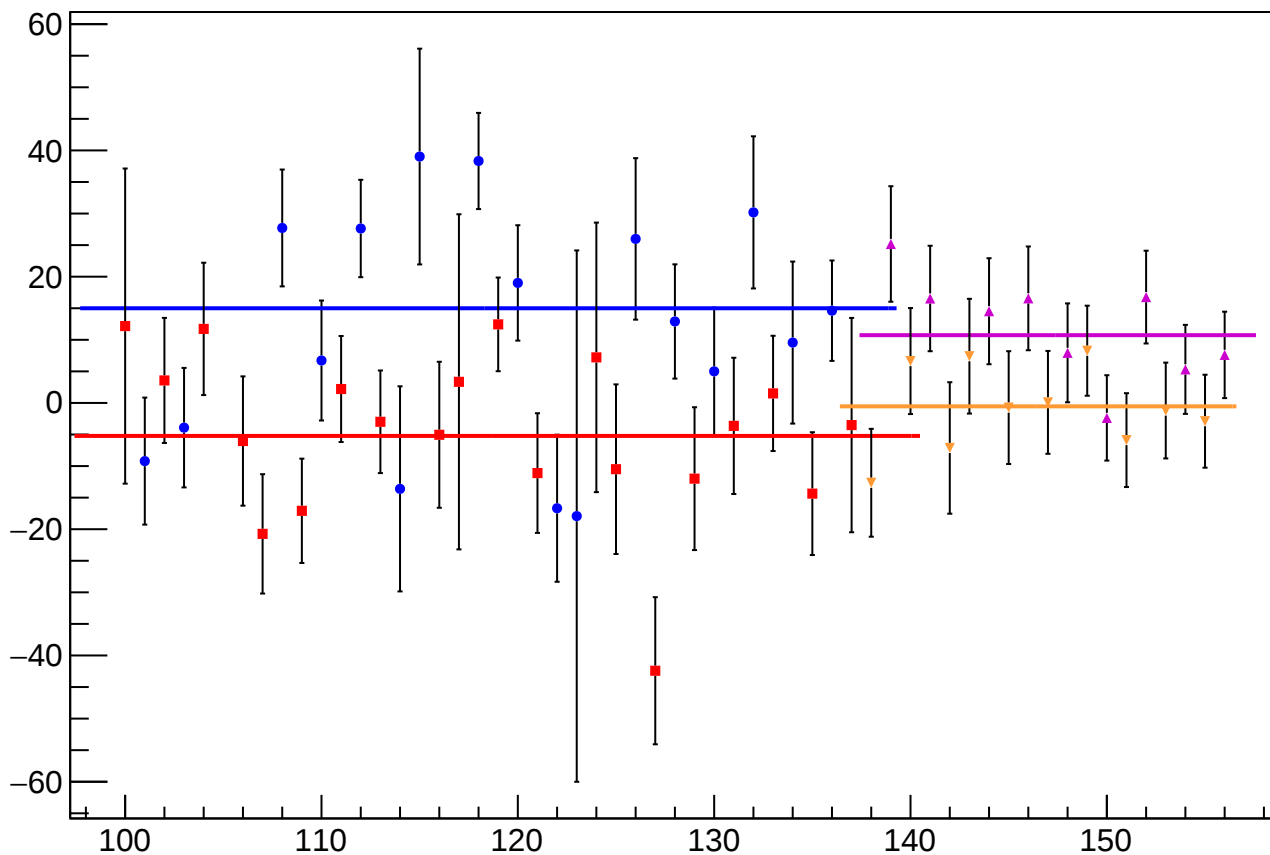
Right Out: 2018.694+/-0.540 χ^2/NDF : 377792.4/19

Left In: 1682.515+/-0.444 χ^2/NDF : 228638.3/8

1764.265+/-0.338 χ^2/NDF : 1006806.2/26

1818.239+/-0.343 χ^2/NDF : 837895.2/28

diff_bpm0l06X_mean vs Slug



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

Left Out: -0.541 $\pm$ 2.579 χ^2 /NDF: 6.1/9

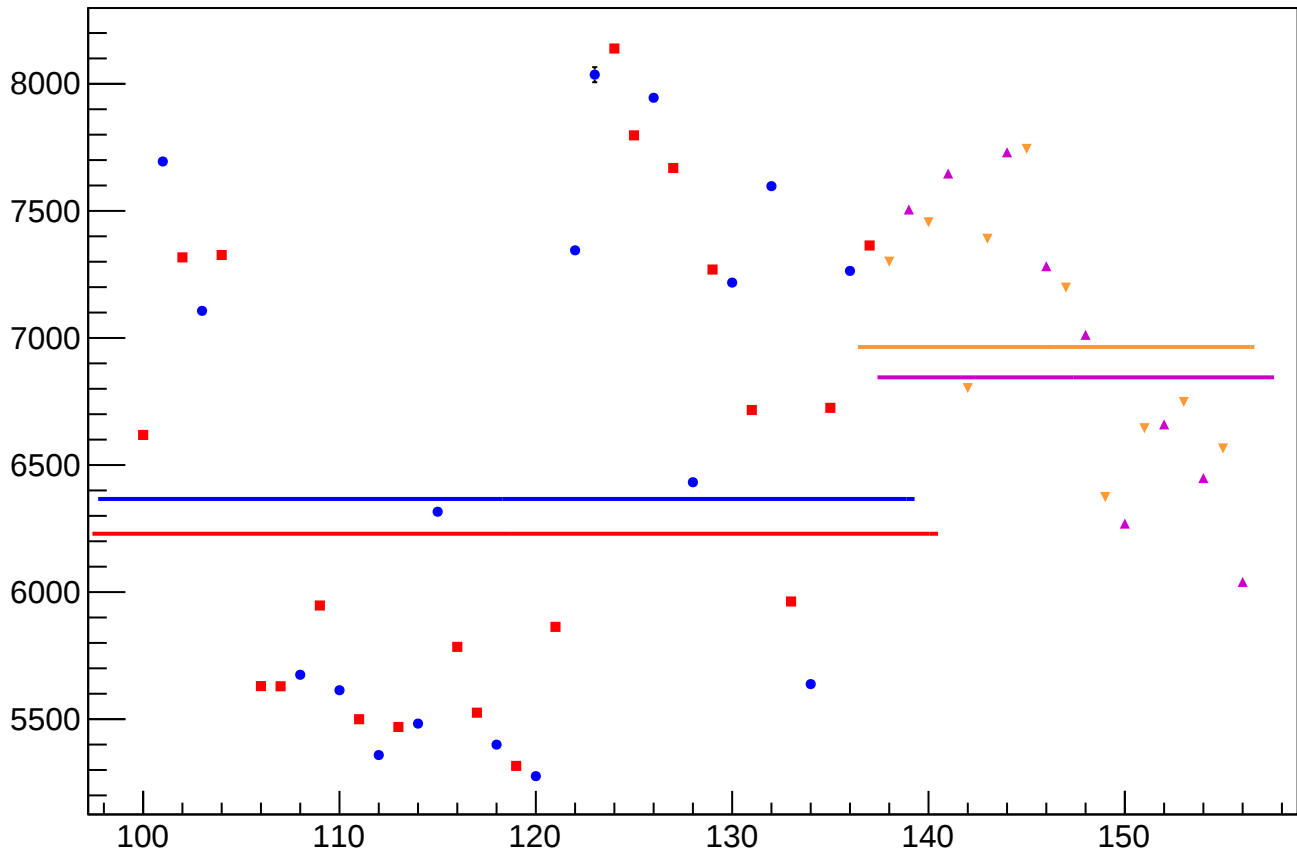
Right Out: -5.223 $\pm$ 2.348 χ^2 /NDF: 28.2/19

Left In: 10.733 $\pm$ 2.553 χ^2 /NDF: 9.0/8

7.515 $\pm$ 1.790 χ^2 /NDF: 66.2/26

2.089 $\pm$ 1.728 χ^2 /NDF: 58.4/28

diff_bpm0l06X_rms vs Slug



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

Left Out: 6964.465 ± 1.823 χ^2/NDF : 56590.1/9

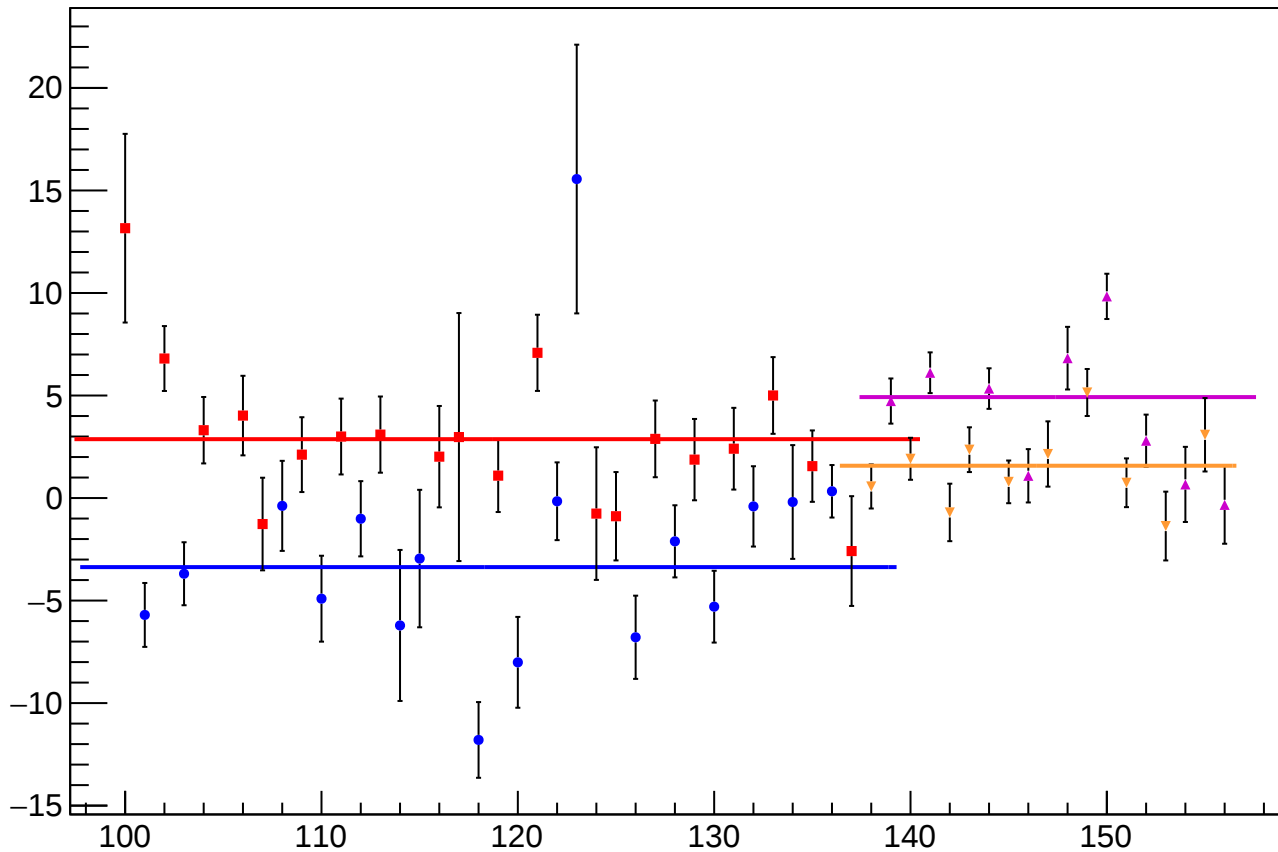
Right Out: 6229.625 ± 1.660 χ^2/NDF : 244622.7/19

Left In: 6845.024 ± 1.805 χ^2/NDF : 107426.7/8

6654.448 ± 1.265 χ^2/NDF : 398839.0/26

6511.662 ± 1.222 χ^2/NDF : 415006.2/28

diff_bpm0l06Y_mean vs Slug



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

Left Out: 1.576 ± 0.389 χ^2/NDF : 18.8/9

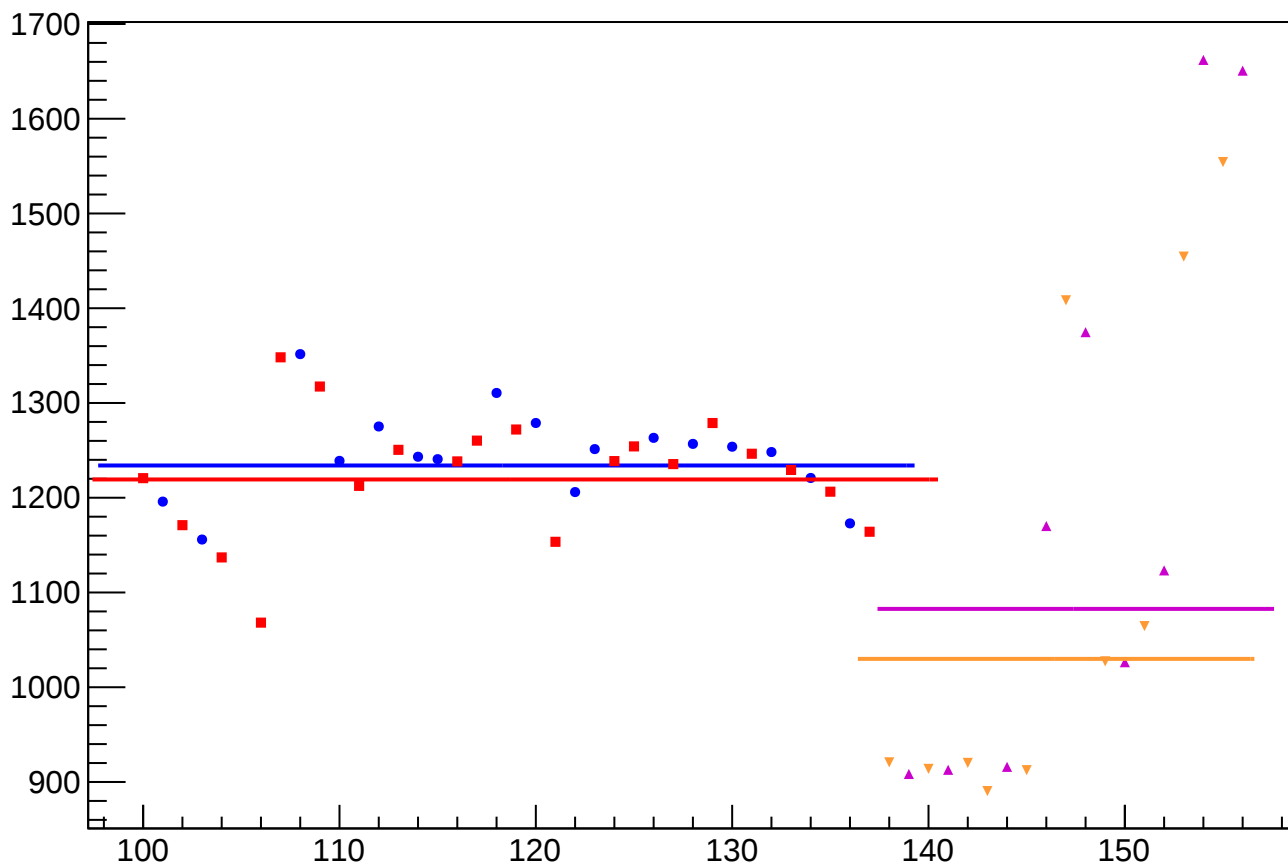
Right Out: 2.871 ± 0.455 χ^2/NDF : 32.0/19

Left In: 4.923 ± 0.412 χ^2/NDF : 47.6/8

-0.404 ± 0.301 χ^2/NDF : 143.5/26

4.000 ± 0.305 χ^2/NDF : 90.8/28

diff_bpm0l06Y_rms vs Slug



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

Left Out: 1029.919+/-0.275 χ^2/NDF : 531282.5/9

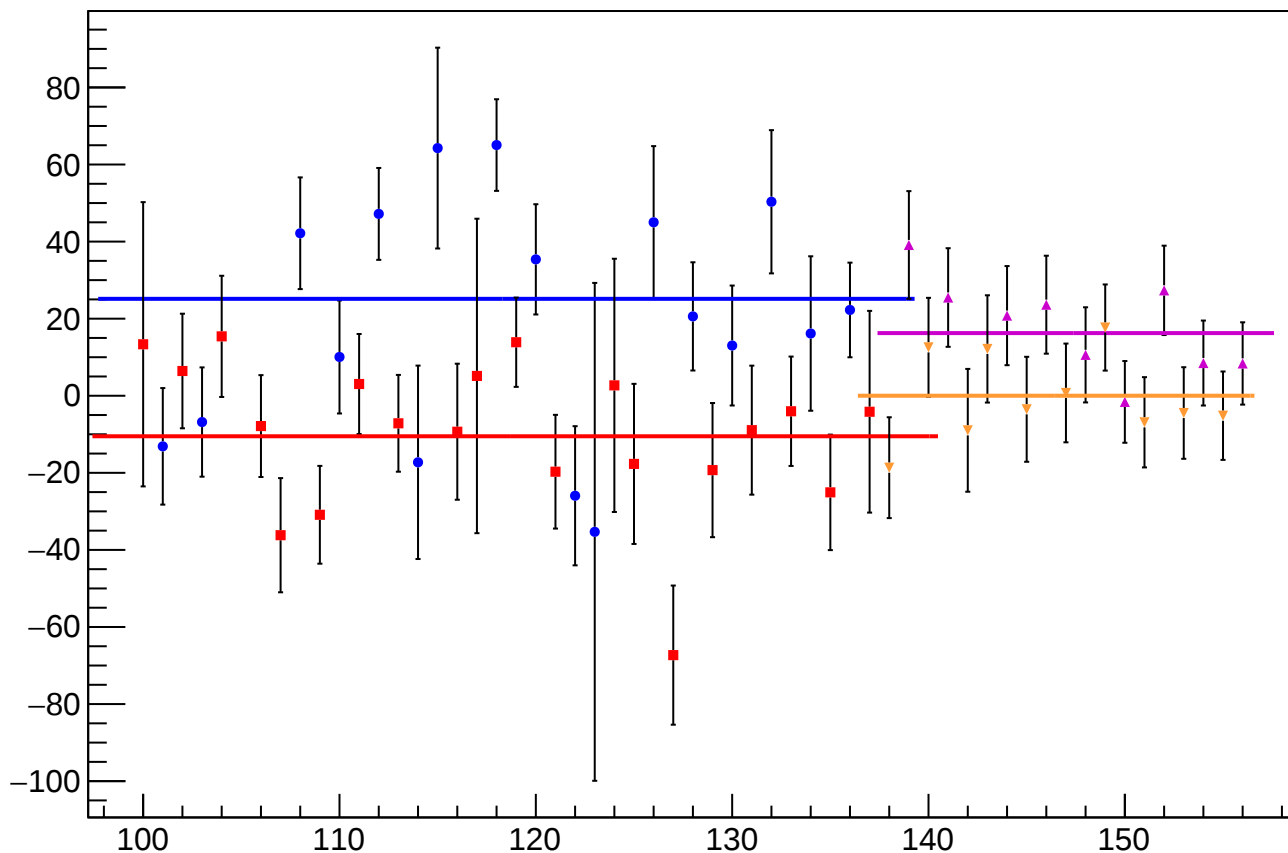
Right Out: 1219.275+/-0.322 χ^2/NDF : 40462.8/19

Left In: 1082.685+/-0.291 χ^2/NDF : 634218.4/8

1111.663+/-0.213 χ^2/NDF : 775763.1/26

1144.178+/-0.216 χ^2/NDF : 773728.1/28

diff_bpm0l07X_mean vs Slug



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

Left Out: 0.007 ± 4.001 $\chi^2/\text{NDF}: 7.3/9$

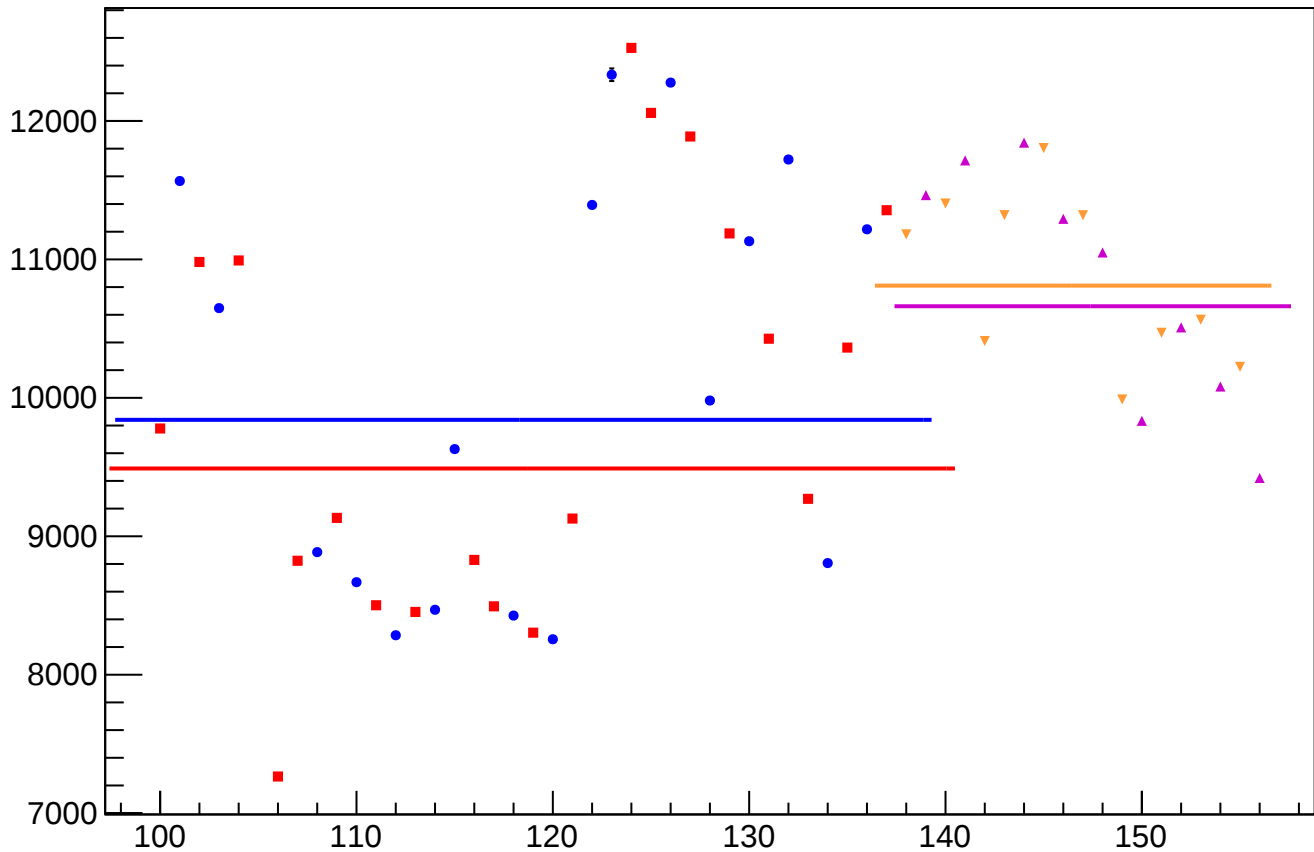
Right Out: -10.513 ± 3.581 $\chi^2/\text{NDF}: 27.8/19$

Left In: 16.259 ± 3.973 $\chi^2/\text{NDF}: 8.7/8$

13.102 ± 2.769 $\chi^2/\text{NDF}: 74.8/26$

1.488 ± 2.660 $\chi^2/\text{NDF}: 61.6/28$

diff_bpm0l07X_rms vs Slug



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

Left Out: 10810.506+/-2.829 χ^2/NDF : 42216.7/9

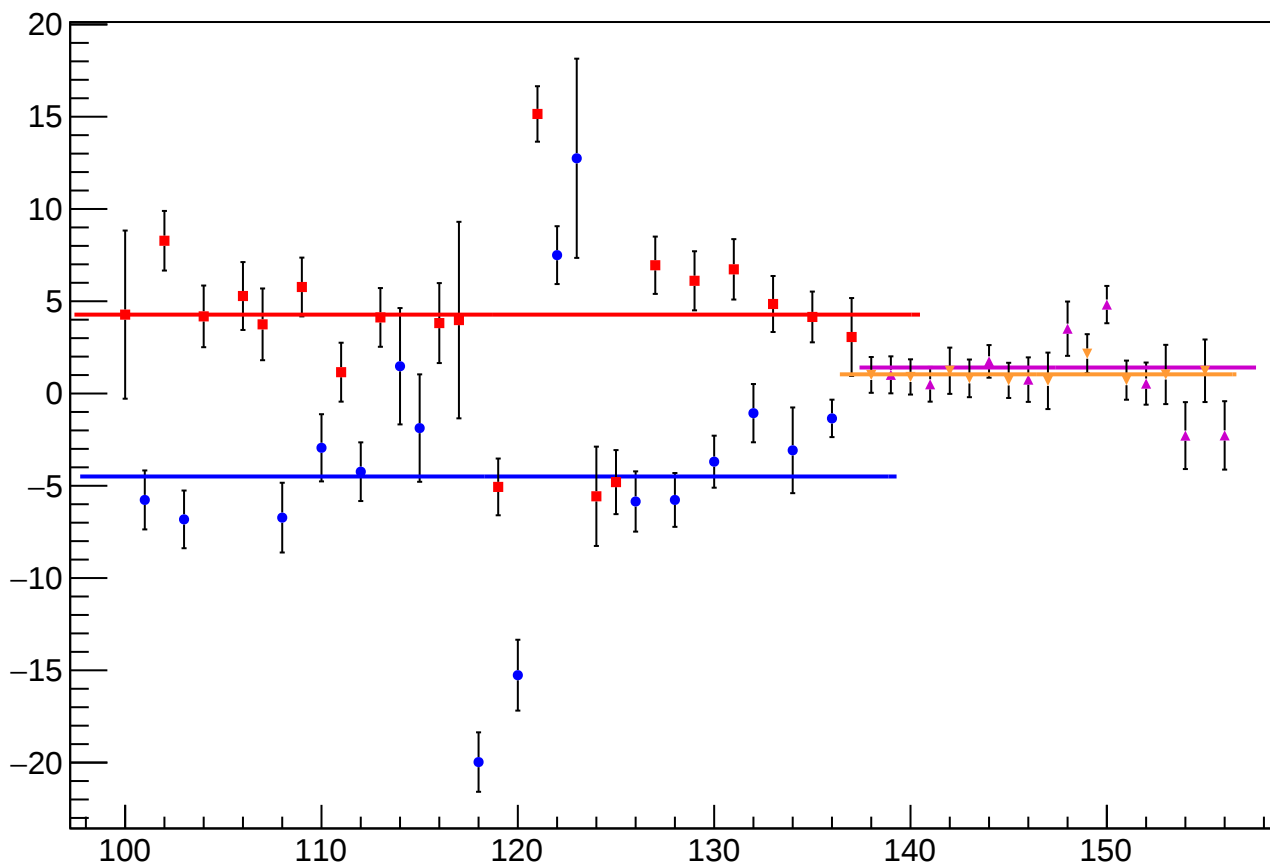
Right Out: 9489.753+/-2.532 χ^2/NDF : 277900.5/19

Left In: 10661.665+/-2.809 χ^2/NDF : 89011.5/8

10305.621+/-1.958 χ^2/NDF : 363425.5/26

10015.058+/-1.881 χ^2/NDF : 462935.6/28

diff_bpm0l07Y_mean vs Slug



Right In: -4.497 $\pm$ 0.408 χ^2/NDF : 218.4/16

Left Out: 1.040 $\pm$ 0.358 χ^2/NDF : 1.5/9

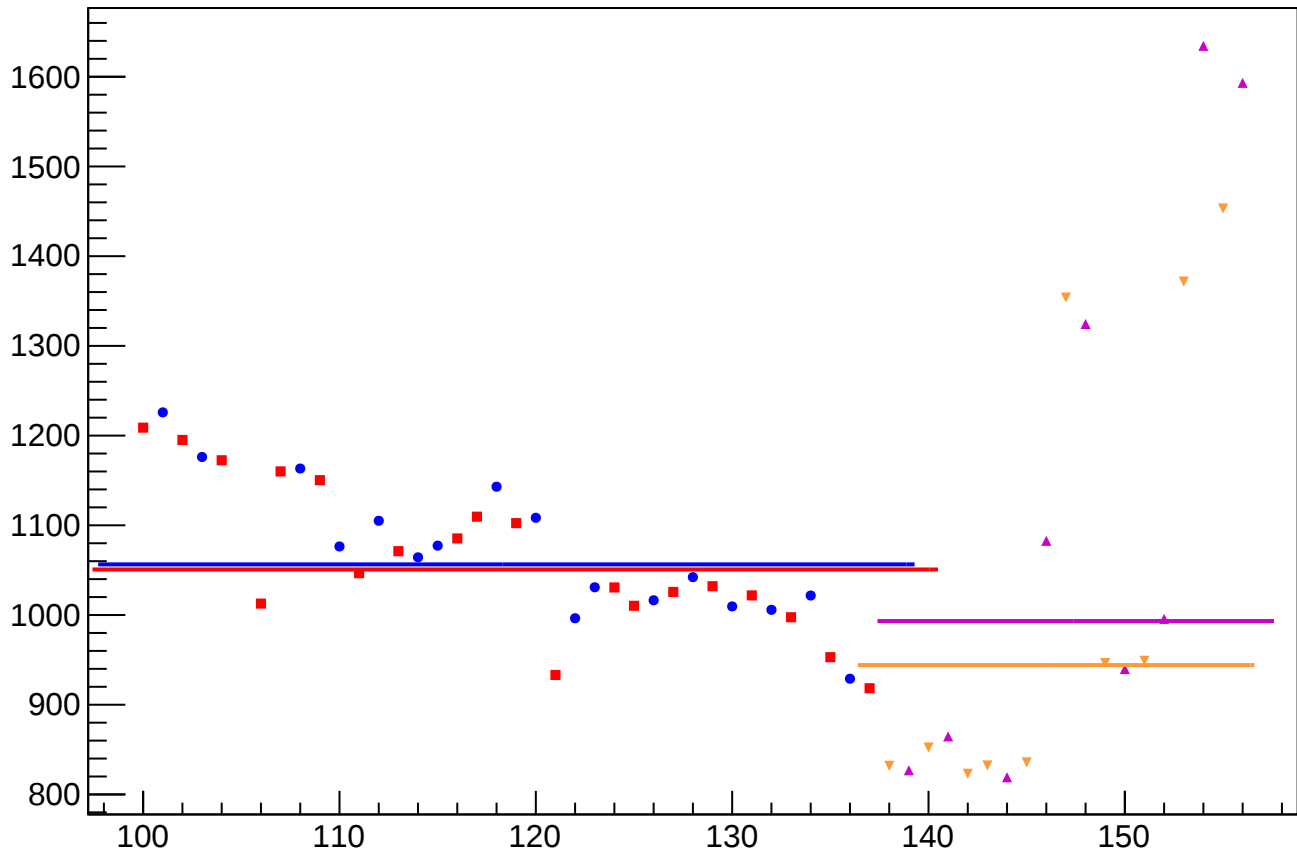
Right Out: 4.275 $\pm$ 0.393 χ^2/NDF : 148.2/19

Left In: 1.409 $\pm$ 0.381 χ^2/NDF : 23.6/8

-1.367 $\pm$ 0.269 χ^2/NDF : 323.9/26

2.798 $\pm$ 0.273 χ^2/NDF : 199.3/28

diff_bpm0l07Y_rms vs Slug



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

Left Out: 944.199 $\pm$ 0.253 χ^2 /NDF: 579419.6/9

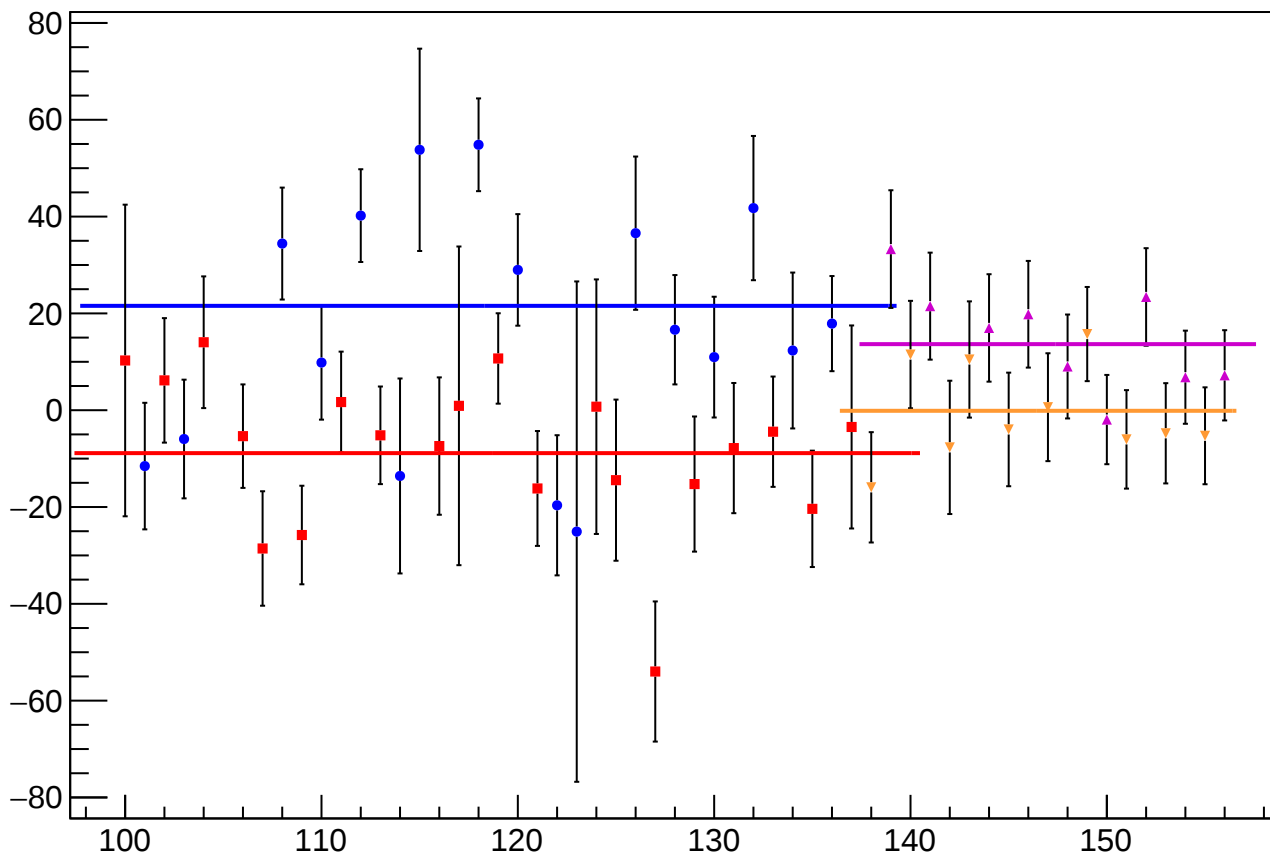
Right Out: 1050.765 $\pm$ 0.278 χ^2 /NDF: 82642.2/19

Left In: 993.288 $\pm$ 0.269 χ^2 /NDF: 747425.7/8

992.989 $\pm$ 0.190 χ^2 /NDF: 755680.4/26

1021.138 $\pm$ 0.193 χ^2 /NDF: 852138.3/28

diff_bpm0l08X_mean vs Slug



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

Left Out: -0.122+/-3.473 χ^2/NDF : 7.7/9

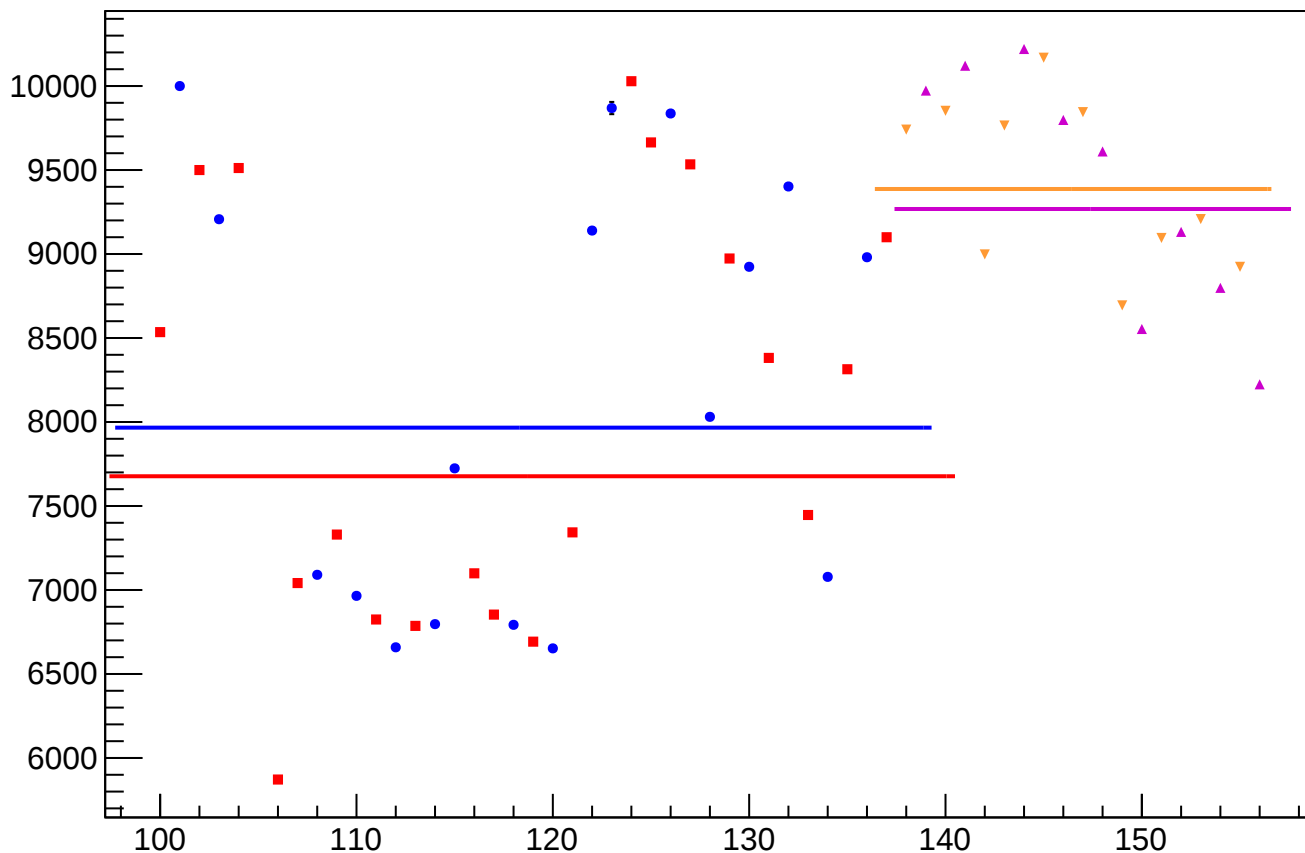
Right Out: -8.867+/-2.901 χ^2/NDF : 27.5/19

Left In: 13.649+/-3.452 χ^2/NDF : 8.5/8

11.912+/-2.317 χ^2/NDF : 77.7/26

0.451+/-2.221 χ^2/NDF : 60.9/28

diff_bpm0l08X_rms vs Slug



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

Left Out: 9387.053 $\pm$ 2.456 χ^2 /NDF: 37936.1/9

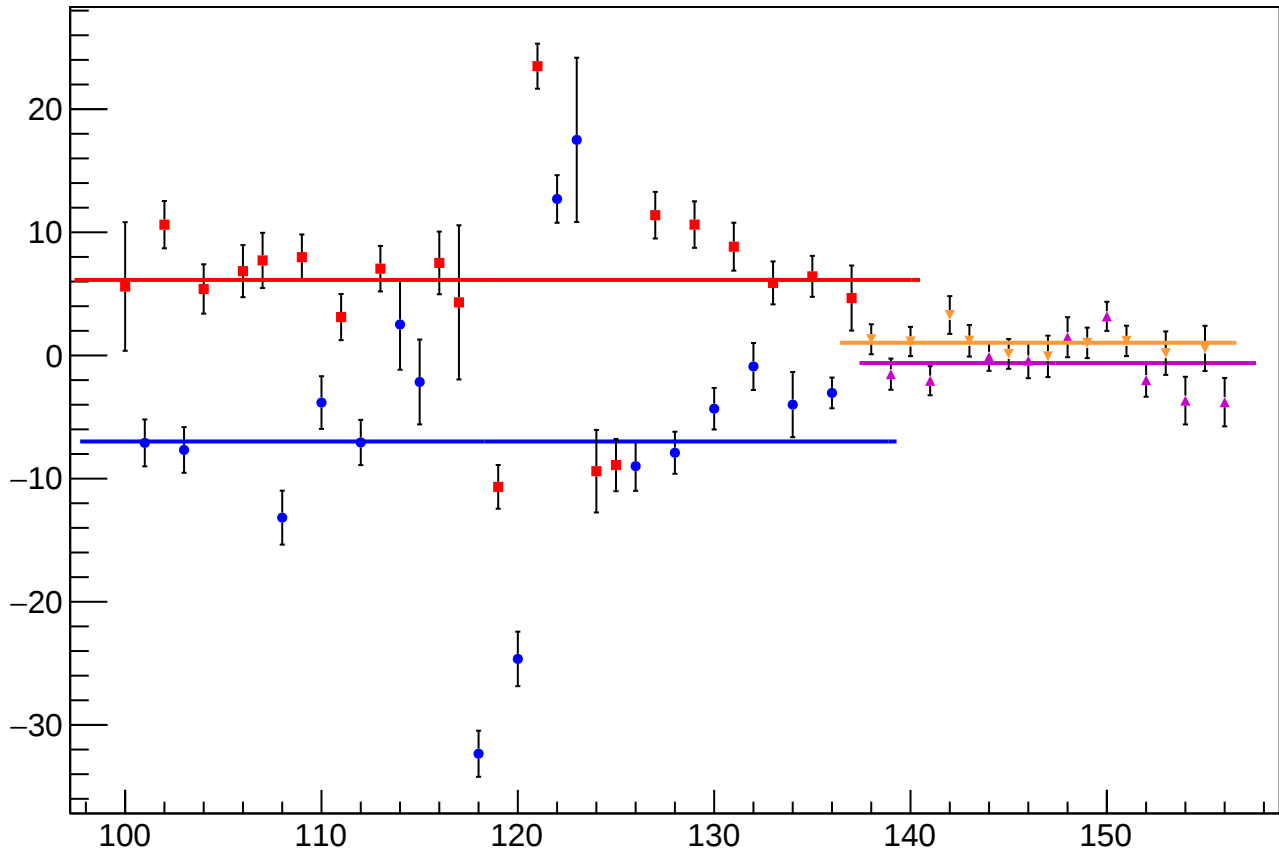
Right Out: 7677.035 $\pm$ 2.051 χ^2 /NDF: 316295.2/19

Left In: 9267.960 $\pm$ 2.441 χ^2 /NDF: 82226.5/8

8598.610 $\pm$ 1.638 χ^2 /NDF: 520222.8/26

8335.377 $\pm$ 1.570 χ^2 /NDF: 647507.1/28

diff_bpm0l08Y_mean vs Slug



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

Left Out: 1.032 ± 0.431 χ^2/NDF : 3.5/9

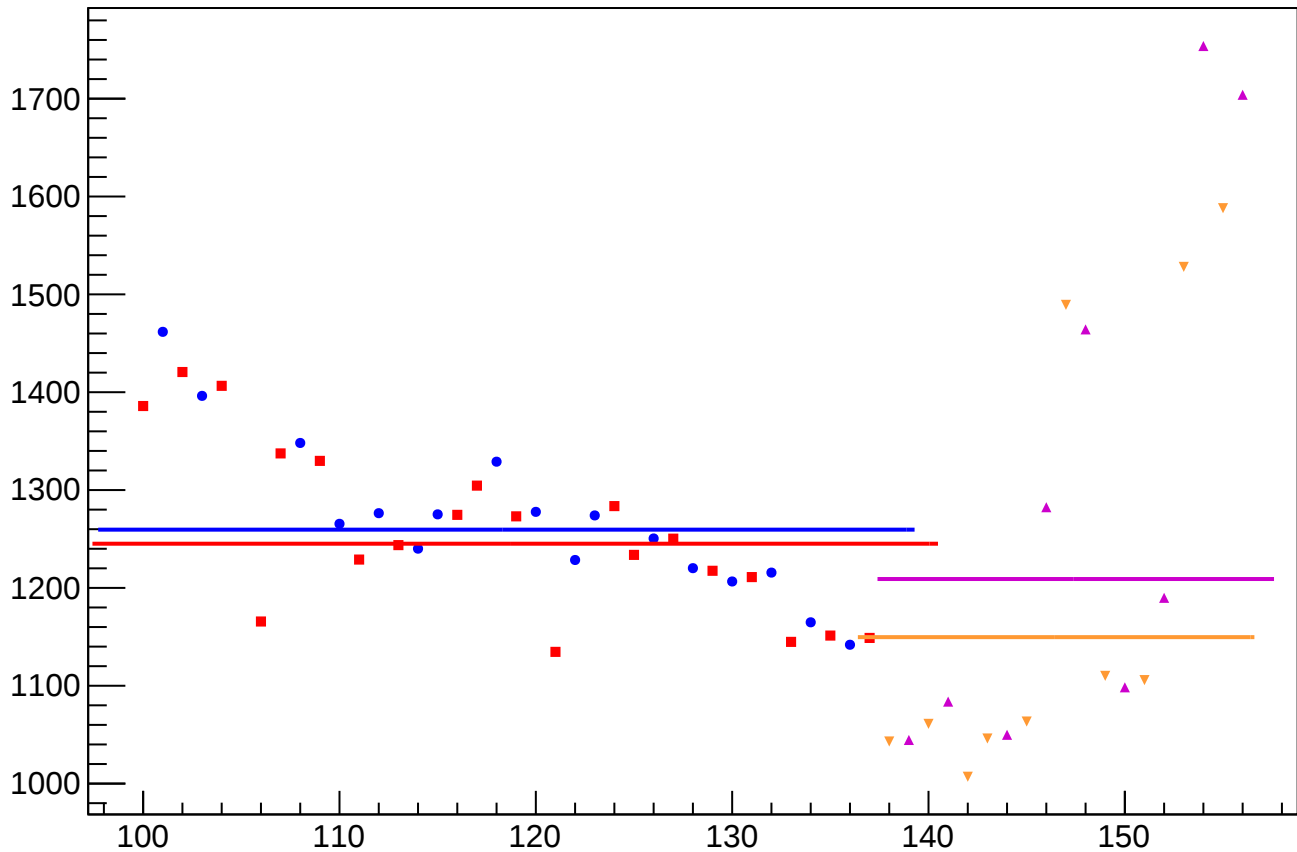
Right Out: 6.135 ± 0.465 χ^2/NDF : 277.6/19

Left In: -0.615 ± 0.457 χ^2/NDF : 20.3/8

-2.500 ± 0.323 χ^2/NDF : 564.1/26

2.700 ± 0.326 χ^2/NDF : 405.0/28

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1149.674 ± 0.305 χ^2/NDF : 358800.0/9

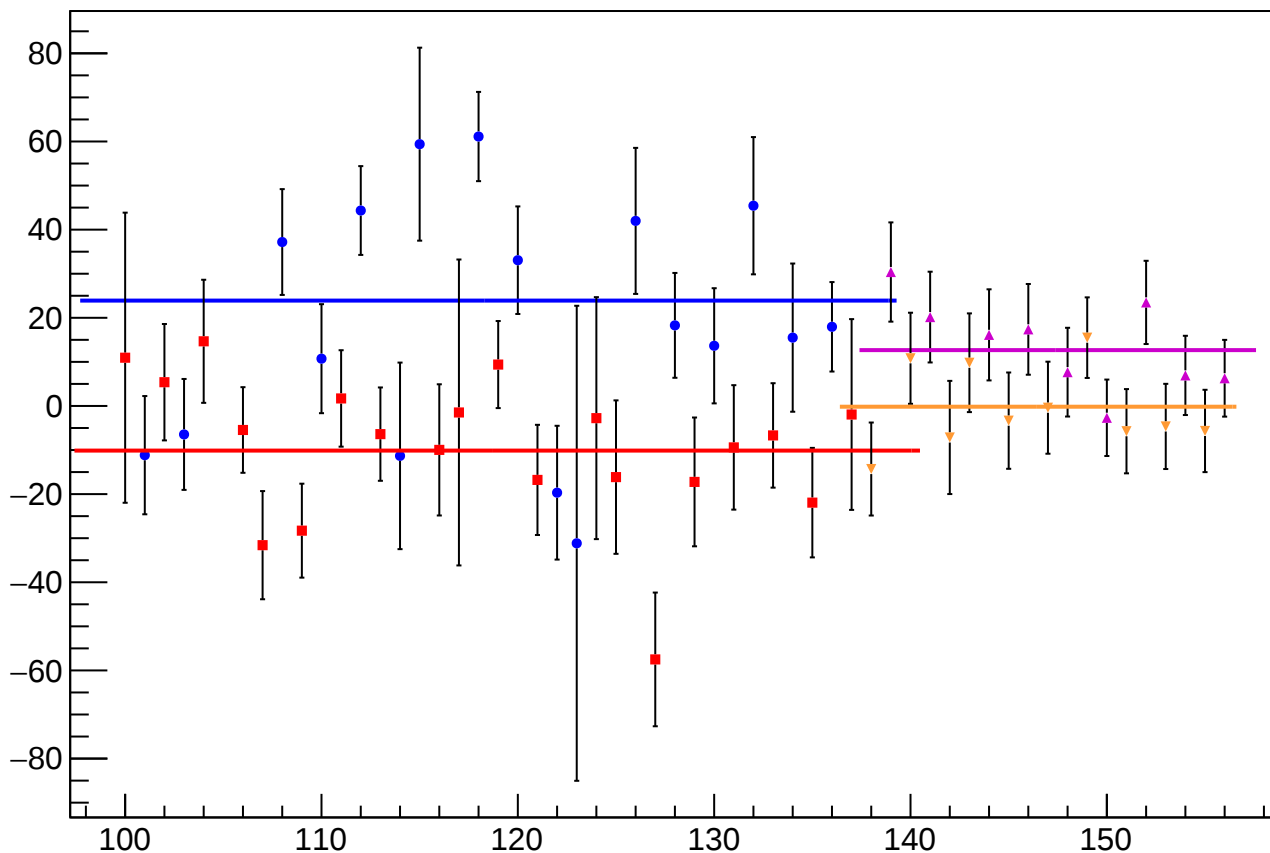
Right Out: 1245.167 ± 0.329 χ^2/NDF : 67006.8/19

Left In: 1209.082 ± 0.323 χ^2/NDF : 453241.2/8

1198.076 ± 0.228 χ^2/NDF : 480769.0/26

1226.804 ± 0.231 χ^2/NDF : 526367.3/28

diff_bpm0l09X_mean vs Slug



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

Left Out: -0.170 ± 3.244 $\chi^2/\text{NDF}: 7.9/9$

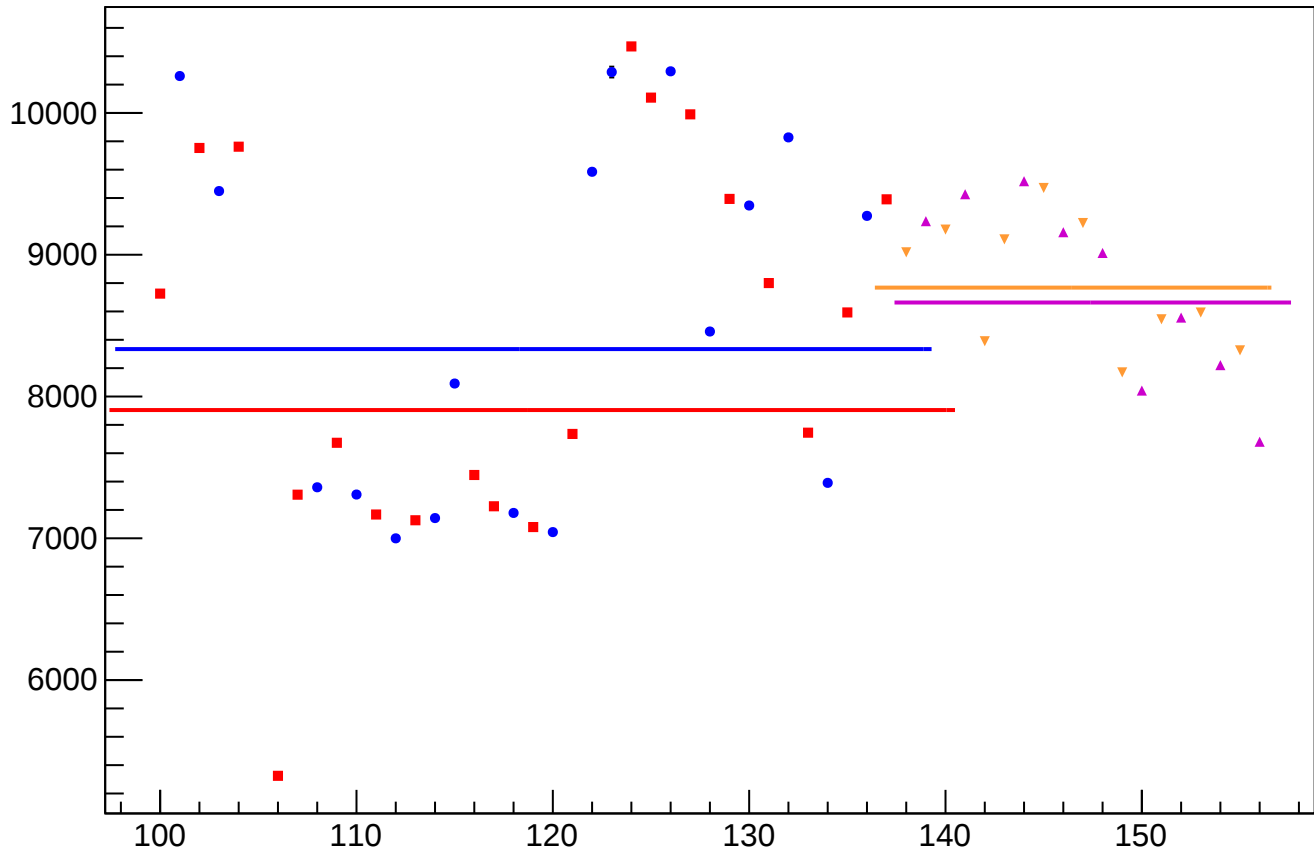
Right Out: -10.125 ± 2.994 $\chi^2/\text{NDF}: 28.0/19$

Left In: 12.668 ± 3.226 $\chi^2/\text{NDF}: 9.0/8$

11.843 ± 2.296 $\chi^2/\text{NDF}: 87.9/26$

0.424 ± 2.195 $\chi^2/\text{NDF}: 63.8/28$

diff_bpm0l09X_rms vs Slug



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

Left Out: 8768.116 ± 2.294 χ^2/NDF : 34718.8/9

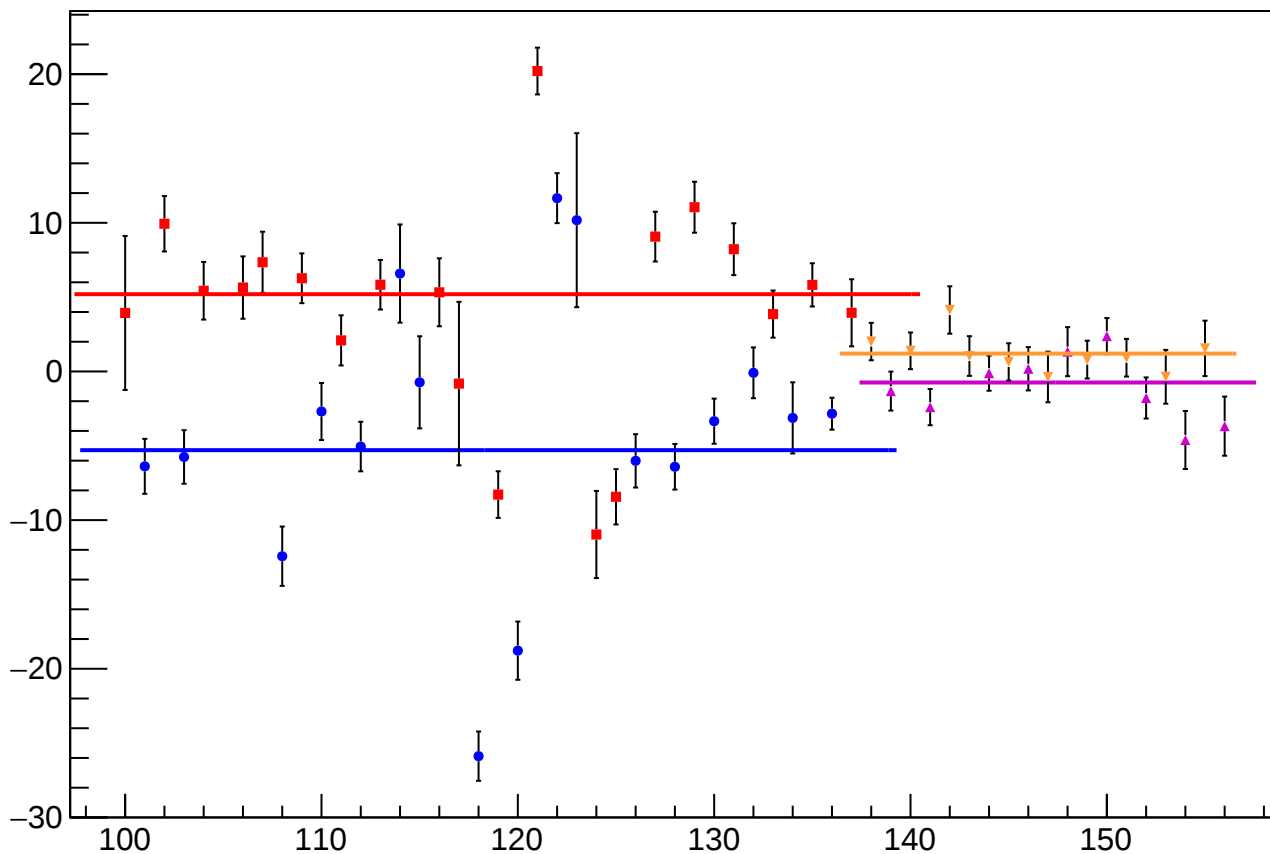
Right Out: 7904.529 ± 2.117 χ^2/NDF : 391589.9/19

Left In: 8663.025 ± 2.281 χ^2/NDF : 77753.4/8

8551.760 ± 1.624 χ^2/NDF : 324852.3/26

8255.570 ± 1.552 χ^2/NDF : 528735.6/28

diff_bpm0l09Y_mean vs Slug



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

Left Out: 1.202 ± 0.445 χ^2/NDF : 5.8/9

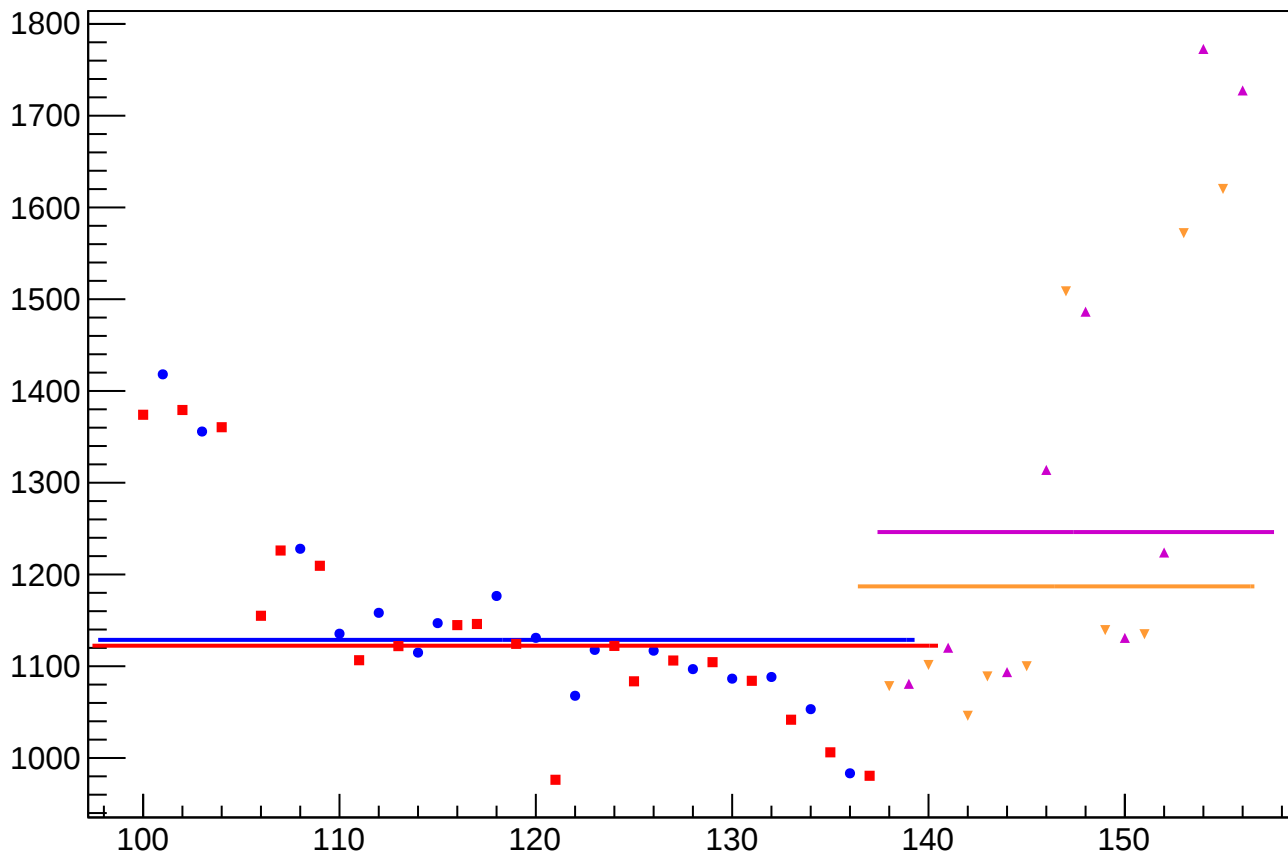
Right Out: 5.198 ± 0.420 χ^2/NDF : 283.1/19

Left In: -0.742 ± 0.470 χ^2/NDF : 17.6/8

-2.104 ± 0.312 χ^2/NDF : 472.6/26

2.559 ± 0.313 χ^2/NDF : 389.3/28

diff_bpm0l09Y_rms vs Slug



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

Left Out: 1187.030+/-0.314 χ^2/NDF : 336423.9/9

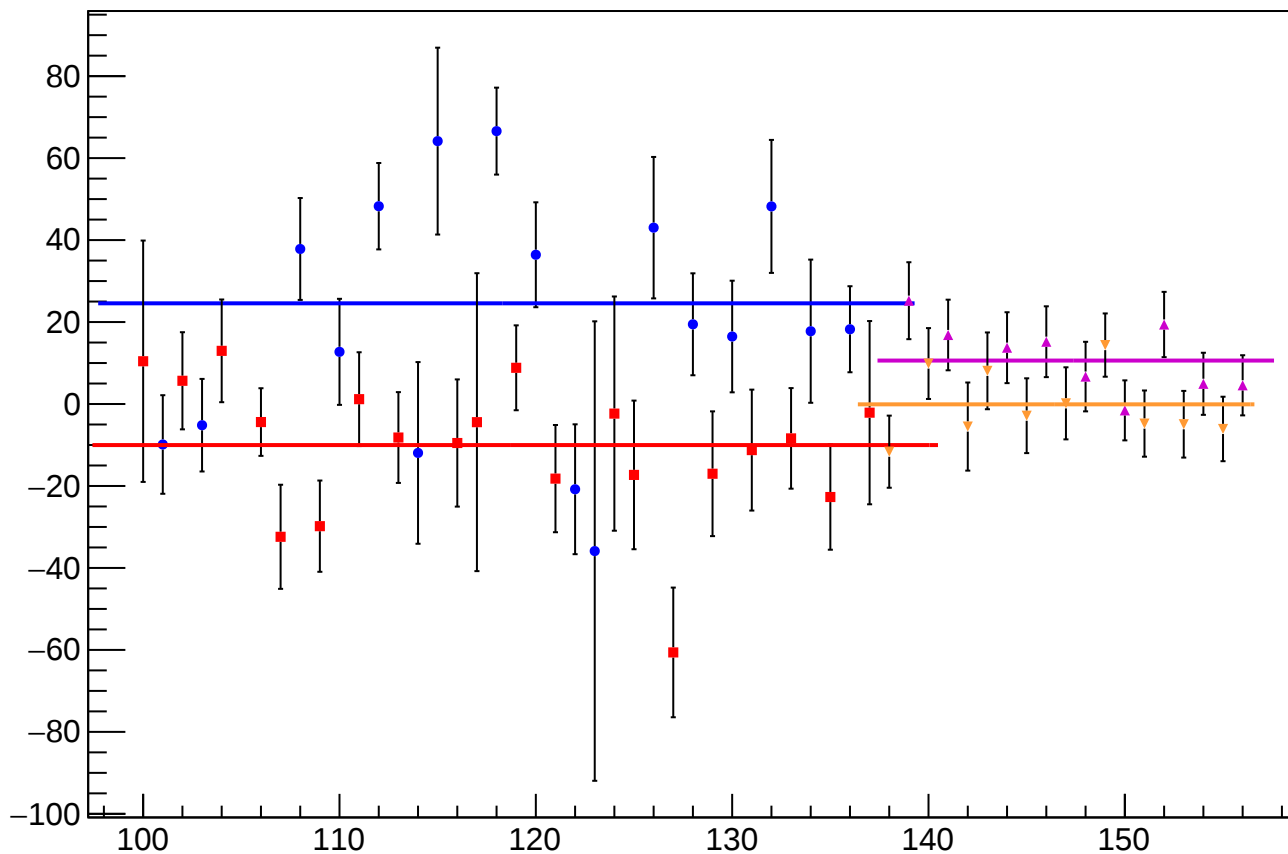
Right Out: 1122.377+/-0.297 χ^2/NDF : 129638.9/19

Left In: 1246.229+/-0.332 χ^2/NDF : 414444.1/8

1157.364+/-0.220 χ^2/NDF : 487007.6/26

1177.407+/-0.222 χ^2/NDF : 621202.8/28

diff_bpm0l10X_mean vs Slug



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

Left Out: -0.079+/-2.725 χ^2/NDF : 8.9/9

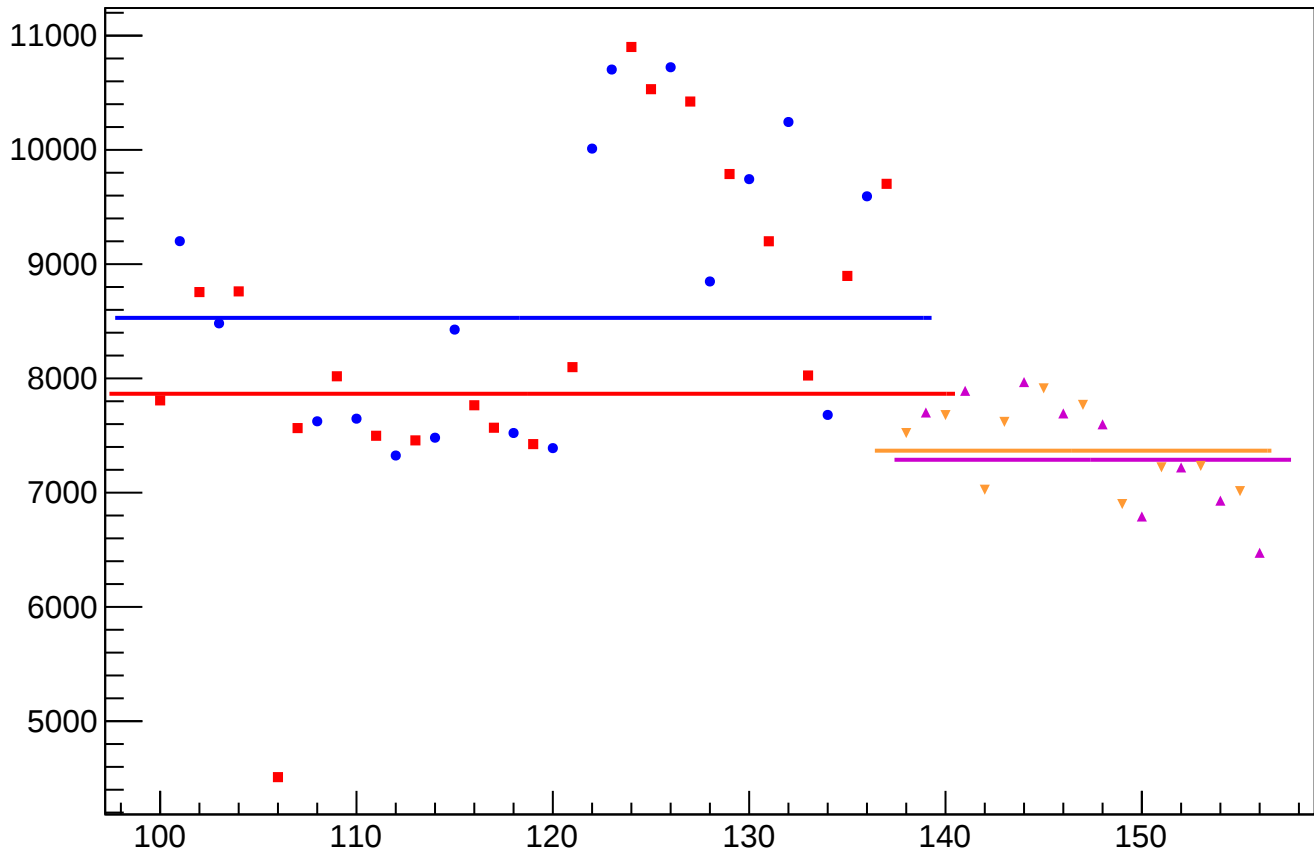
Right Out: -10.019+/-2.997 χ^2/NDF : 28.8/19

Left In: 10.602+/-2.713 χ^2/NDF : 8.8/8

9.849+/-2.106 χ^2/NDF : 100.0/26

1.316+/-2.011 χ^2/NDF : 63.6/28

diff_bpm0l10X_rms vs Slug



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

Left Out: 7367.442 ± 1.927 χ^2/NDF : 30536.2/9

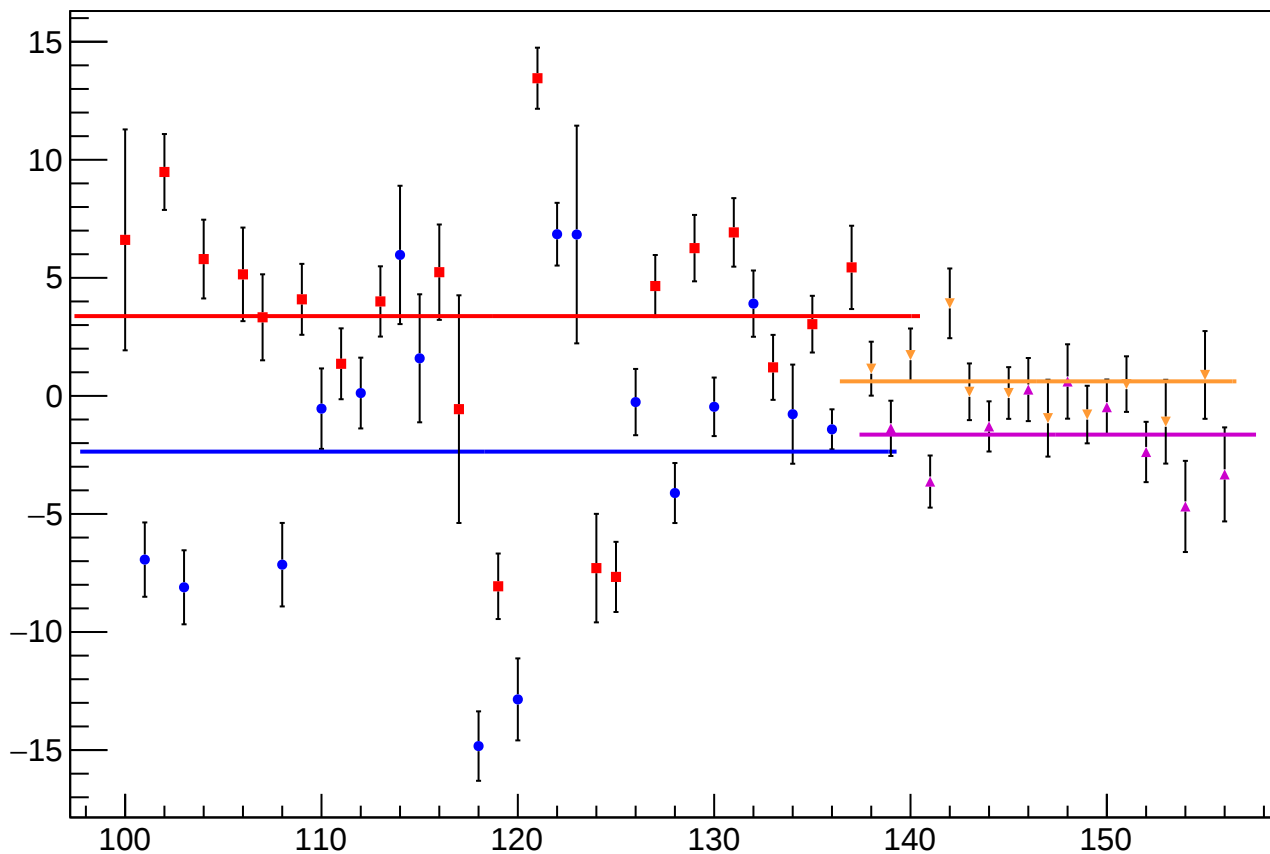
Right Out: 7865.549 ± 2.119 χ^2/NDF : 555976.4/19

Left In: 7287.837 ± 1.918 χ^2/NDF : 71554.5/8

7835.614 ± 1.489 χ^2/NDF : 385432.9/26

7547.994 ± 1.422 χ^2/NDF : 668369.4/28

diff_bpm0l10Y_mean vs Slug



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

Left Out: 0.616 ± 0.411 χ^2/NDF : 9.7/9

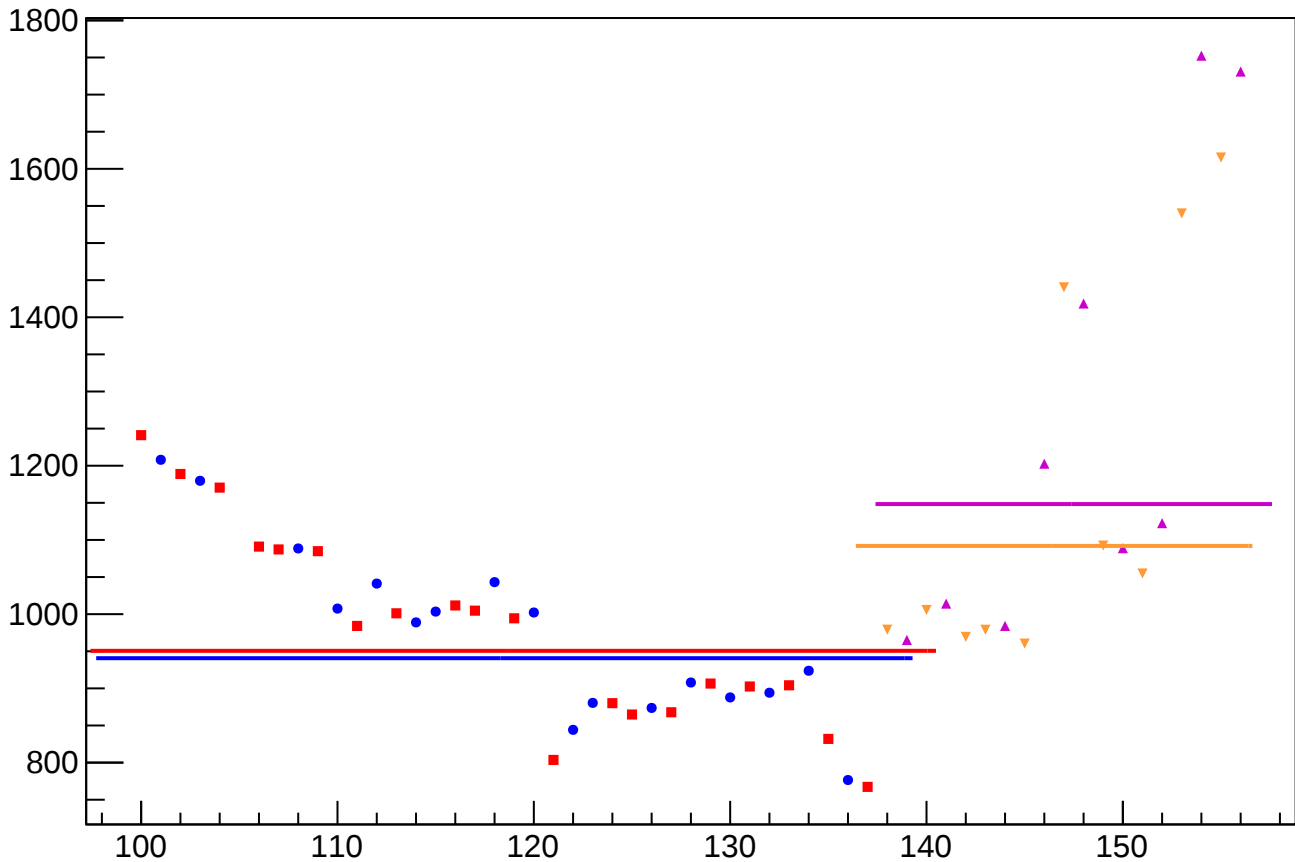
Right Out: 3.379 ± 0.357 χ^2/NDF : 242.1/19

Left In: -1.640 ± 0.436 χ^2/NDF : 12.0/8

-1.046 ± 0.273 χ^2/NDF : 271.0/26

1.363 ± 0.276 χ^2/NDF : 333.4/28

diff_bpm0l10Y_rms vs Slug



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

Left Out: 1091.943 ± 0.291 χ^2/NDF : 471282.2/9

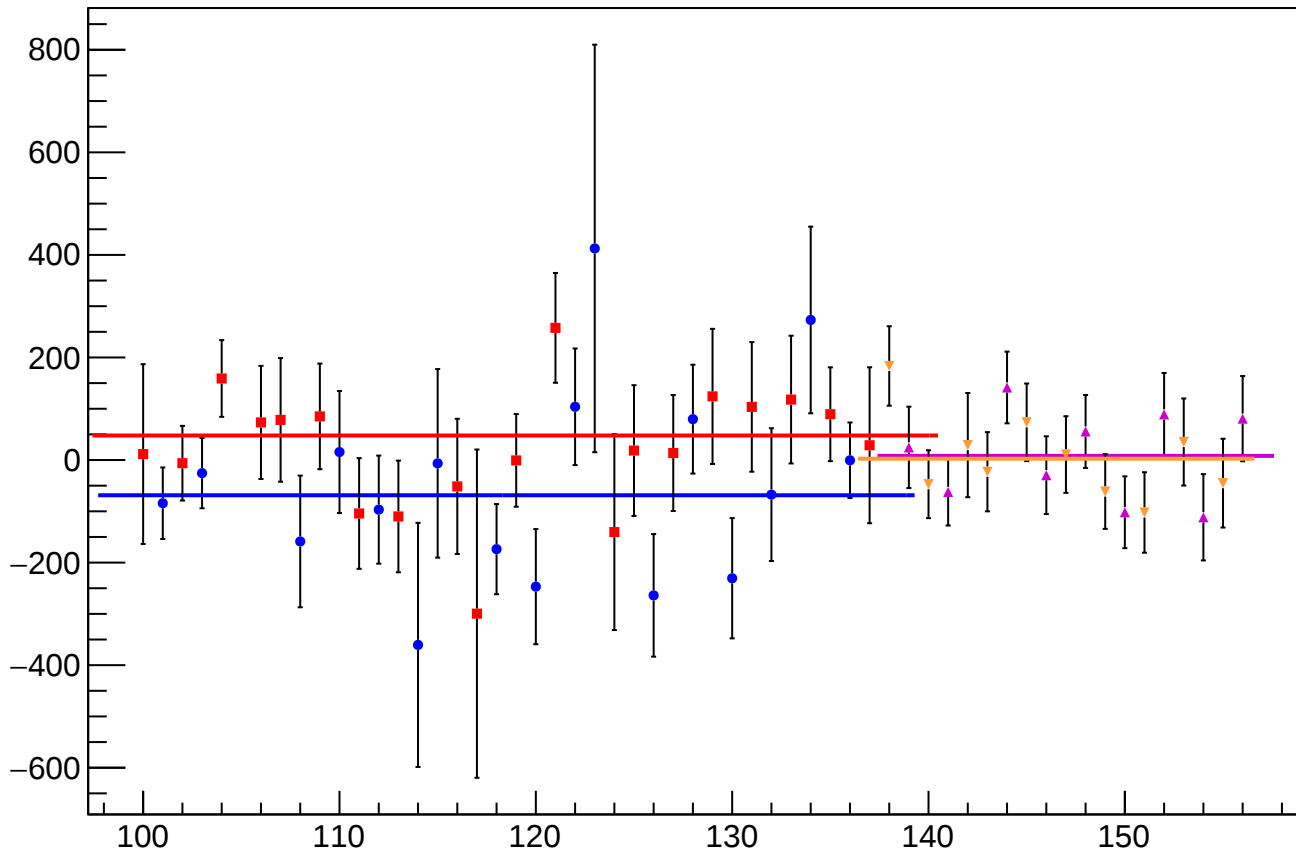
Right Out: 950.615 ± 0.253 χ^2/NDF : 220931.3/19

Left In: 1148.324 ± 0.308 χ^2/NDF : 561375.0/8

1007.486 ± 0.193 χ^2/NDF : 864289.3/26

1030.039 ± 0.195 χ^2/NDF : 1028435.3/28

diff_bpm0r03X_mean vs Slug



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

Left Out: 2.590 ± 24.719 χ^2/NDF : 10.1/9

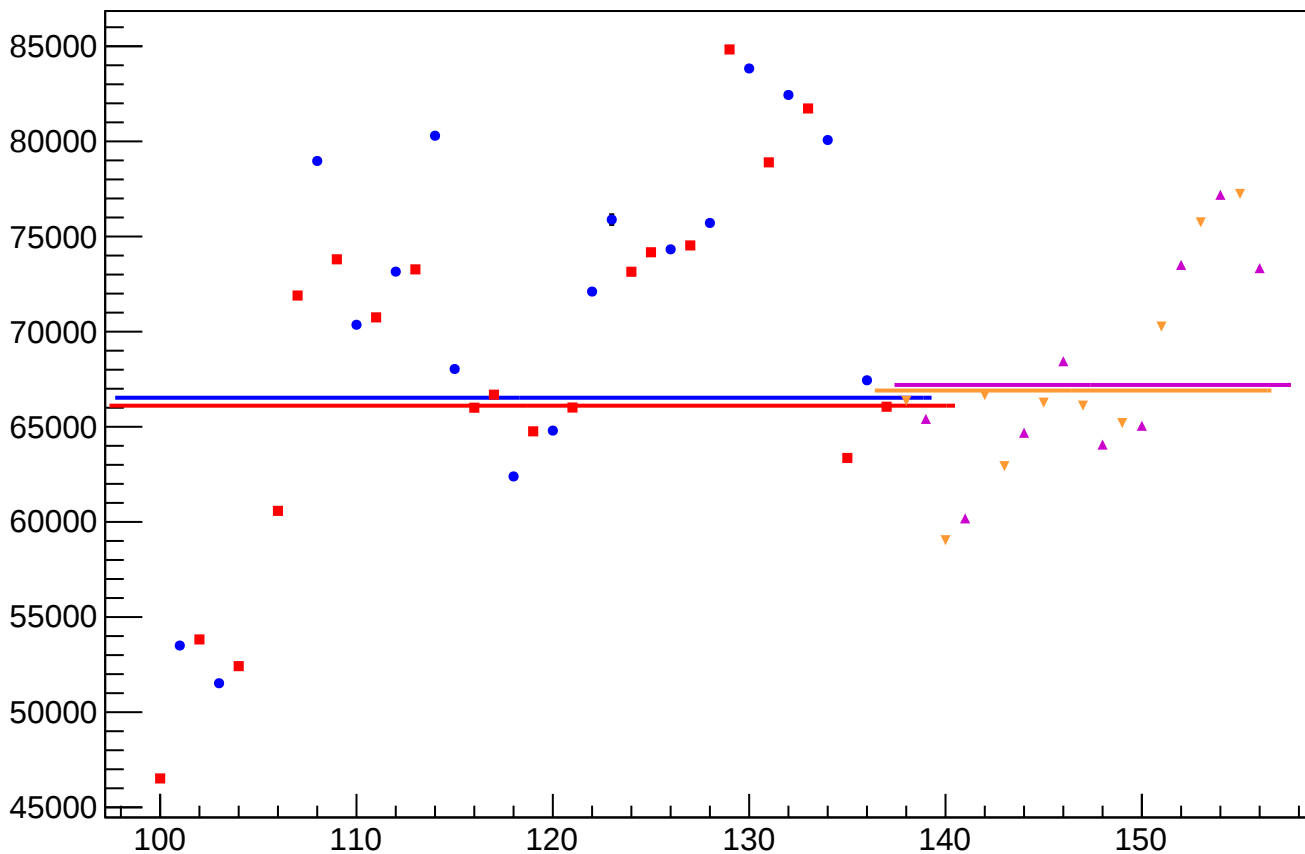
Right Out: 47.835 ± 24.944 χ^2/NDF : 15.2/19

Left In: 8.118 ± 24.914 χ^2/NDF : 11.8/8

-31.325 ± 17.897 χ^2/NDF : 35.8/26

27.953 ± 17.627 χ^2/NDF : 28.3/28

diff_bpm0r03X_rms vs Slug



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

Left Out: 66905.806 ± 17.479 χ^2/NDF : 88965.9/9

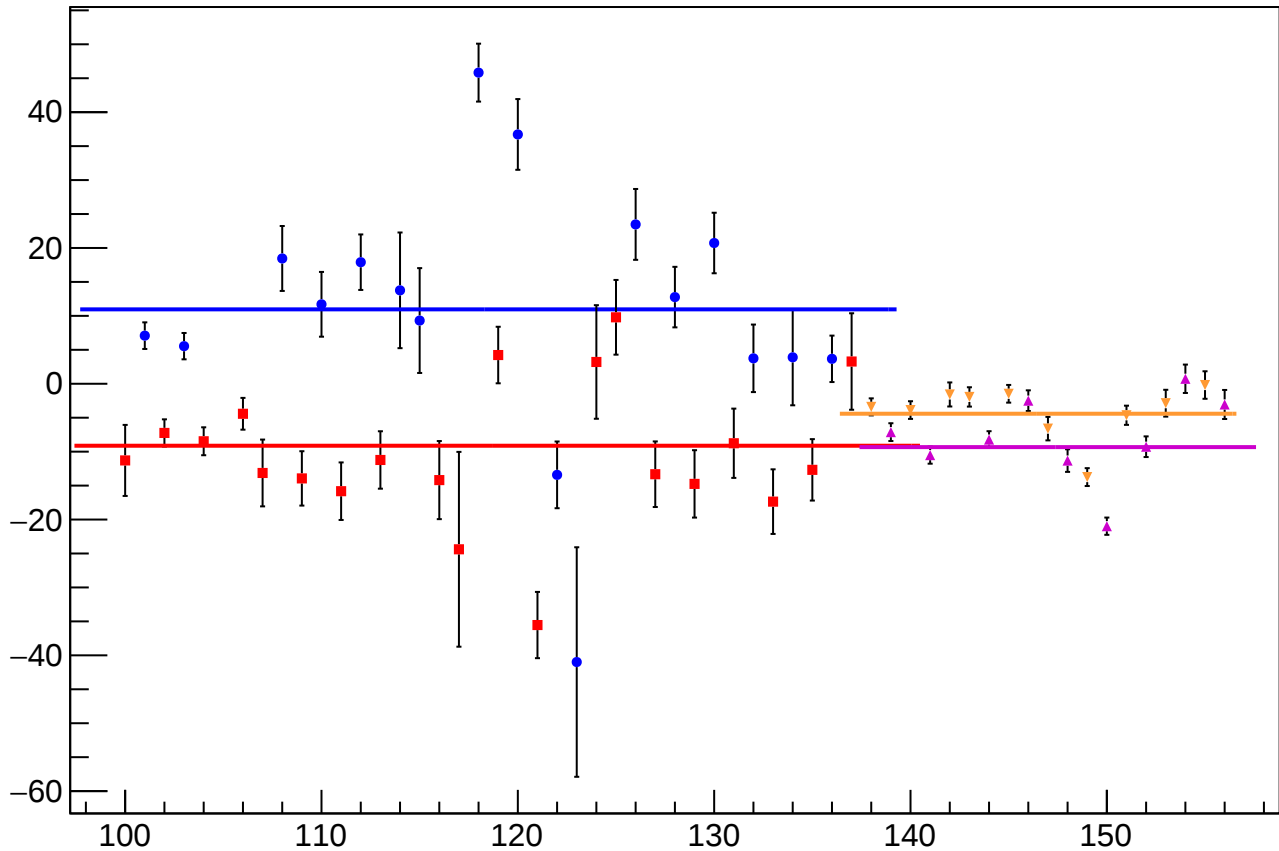
Right Out: 66109.383 ± 17.638 χ^2/NDF : 298491.9/19

Left In: 67199.219 ± 17.617 χ^2/NDF : 84140.7/8

66725.687 ± 12.655 χ^2/NDF : 410076.3/26

66654.955 ± 12.464 χ^2/NDF : 384544.0/28

diff_bpm0r03Y_mean vs Slug



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

Left Out: -4.414 $\pm$ 0.469 χ^2 /NDF: 68.4/9

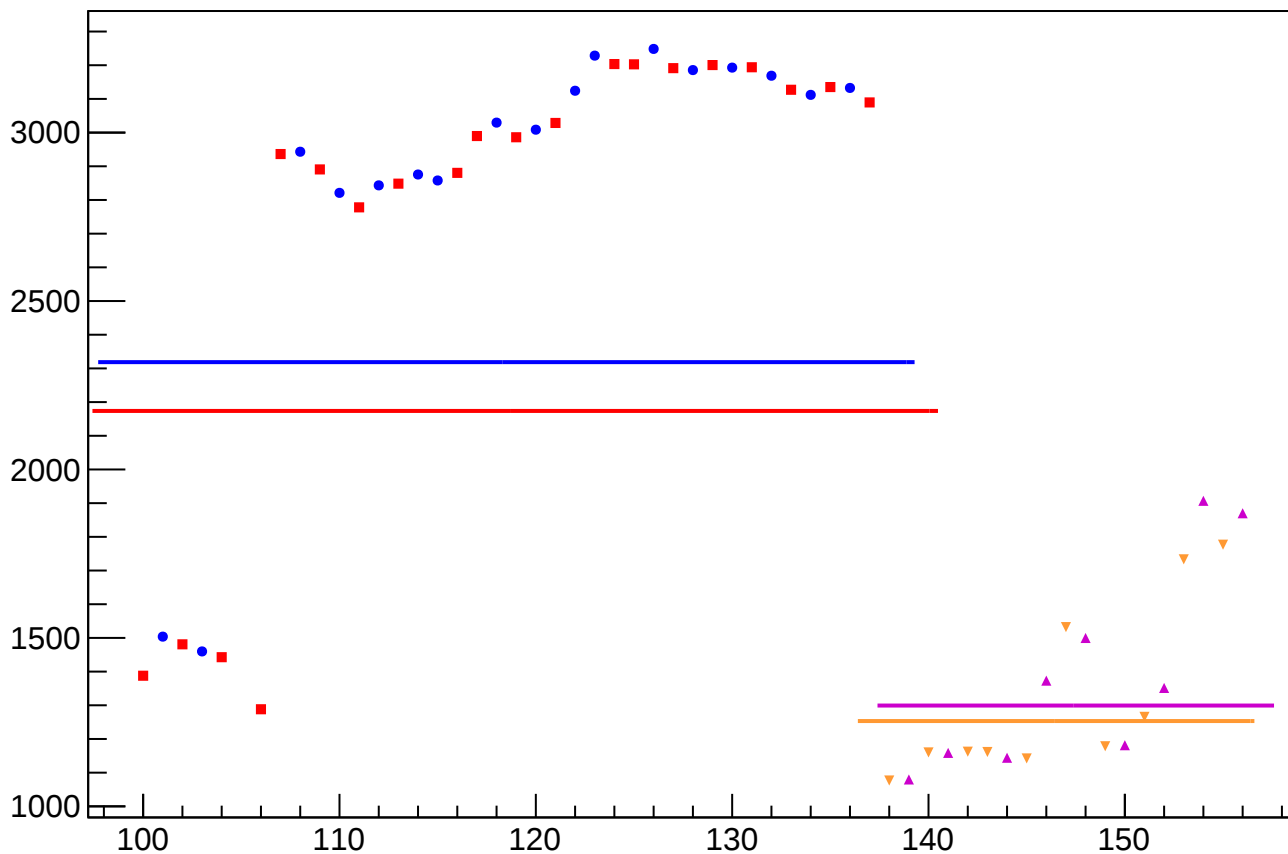
Right Out: -9.127 $\pm$ 0.865 χ^2 /NDF: 74.2/19

Left In: -9.331 $\pm$ 0.490 χ^2 /NDF: 142.0/8

-1.362 $\pm$ 0.420 χ^2 /NDF: 442.2/26

-9.281 $\pm$ 0.427 χ^2 /NDF: 216.2/28

diff_bpm0r03Y_rms vs Slug



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

Left Out: 1253.217 $\pm$ 0.332 χ^2 /NDF:387910.4/9

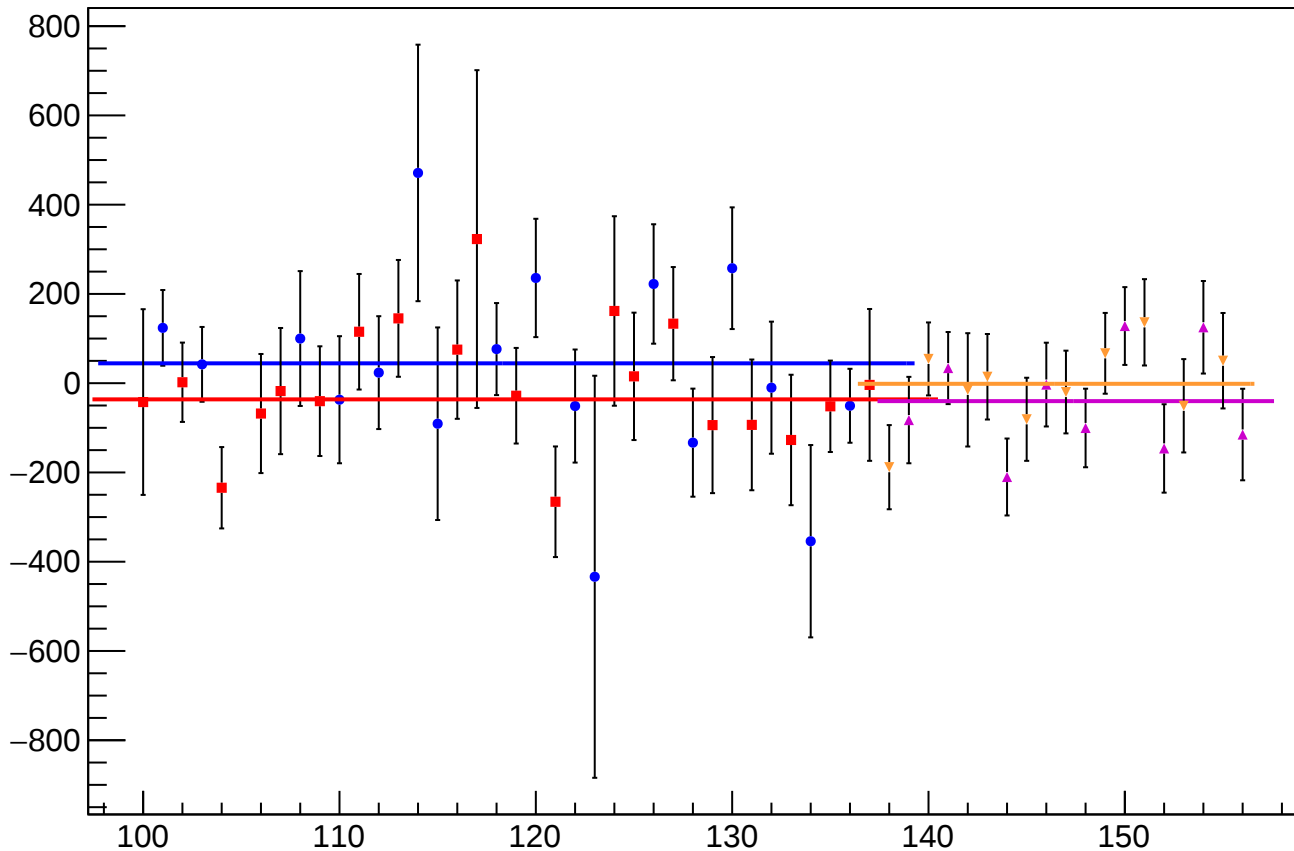
Right Out: 2173.762 $\pm$ 0.611 χ^2 /NDF: 1760181.2/19

Left In: 1299.233 $\pm$ 0.347 χ^2 /NDF:477185.7/8

1464.758 $\pm$ 0.297 χ^2 /NDF: 3841446.0/26

1512.055 $\pm$ 0.302 χ^2 /NDF: 3785011.7/28

diff_bpm0r05X_mean vs Slug



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

Left Out: -1.396 ± 30.532 χ^2/NDF : 8.3/9

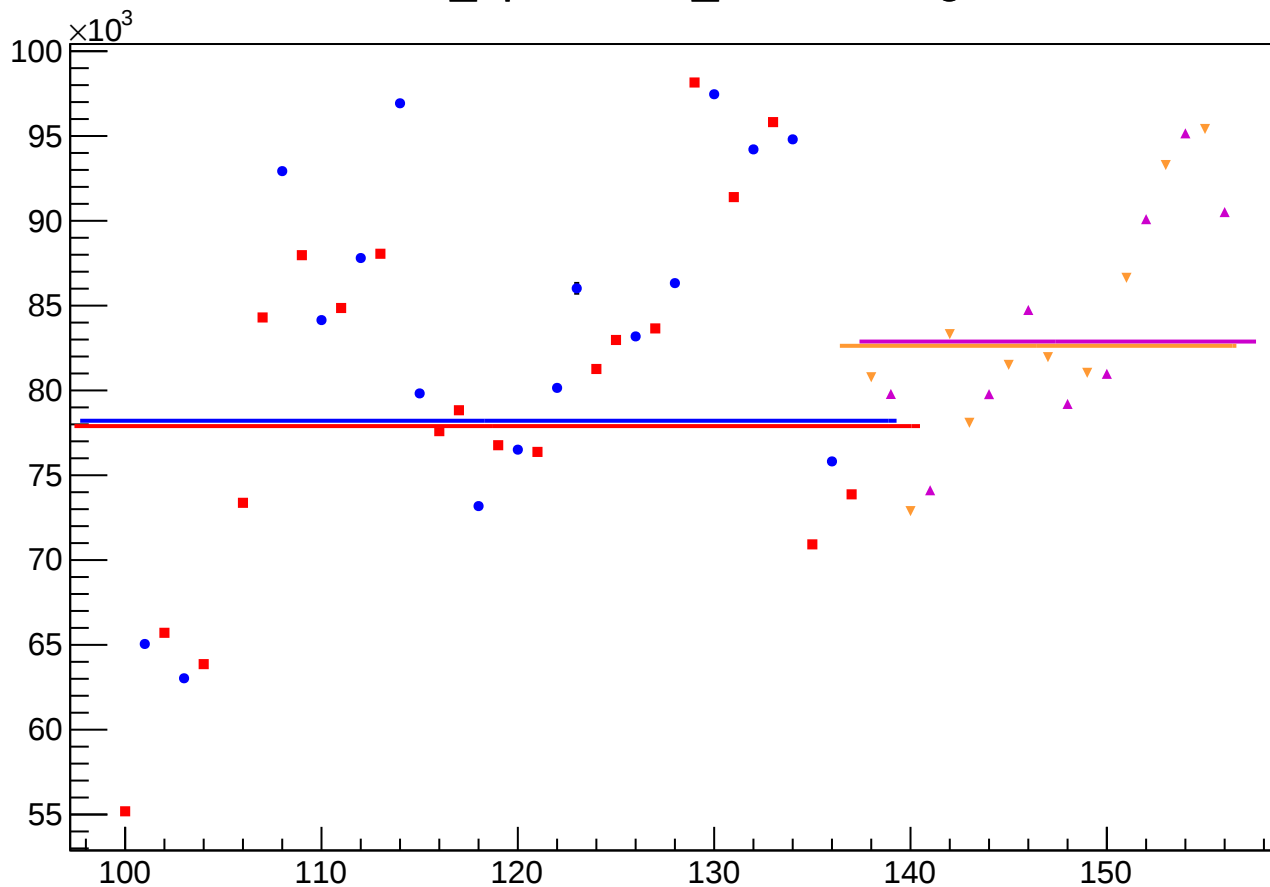
Right Out: -36.251 ± 29.346 χ^2/NDF : 16.7/19

Left In: -40.182 ± 30.731 χ^2/NDF : 13.5/8

21.619 ± 21.554 χ^2/NDF : 28.5/26

-38.126 ± 21.224 χ^2/NDF : 30.2/28

diff_bpm0r05X_rms vs Slug



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

Left Out: 82631.009 ± 21.589 χ^2/NDF : 87550.9/9

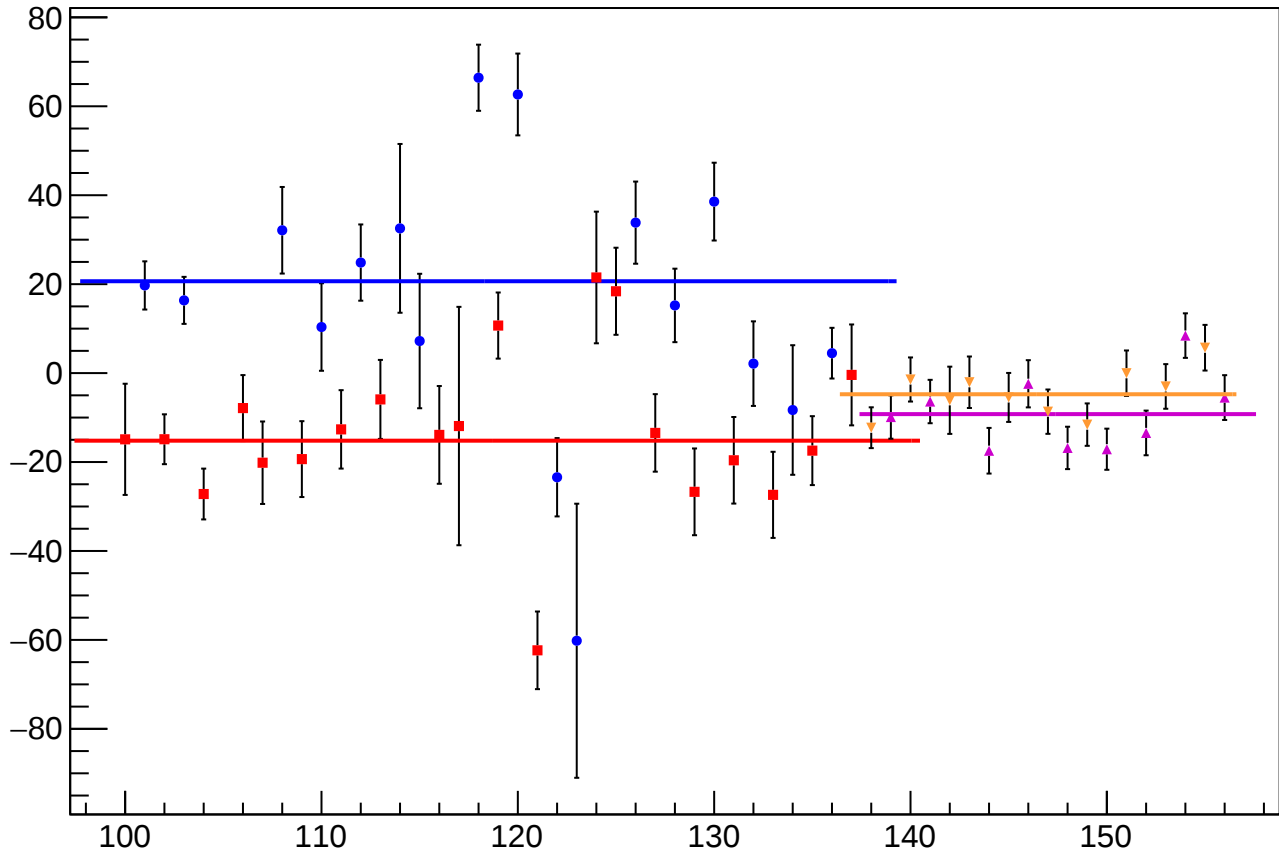
Right Out: 77897.594 ± 20.751 χ^2/NDF : 246982.5/19

Left In: 82881.532 ± 21.730 χ^2/NDF : 83146.0/8

80414.758 ± 15.241 χ^2/NDF : 359614.6/26

80274.767 ± 15.007 χ^2/NDF : 357642.6/28

diff_bpm0r05Y_mean vs Slug



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

Left Out: -4.757 $\pm$ 1.647 χ^2 /NDF: 11.2/9

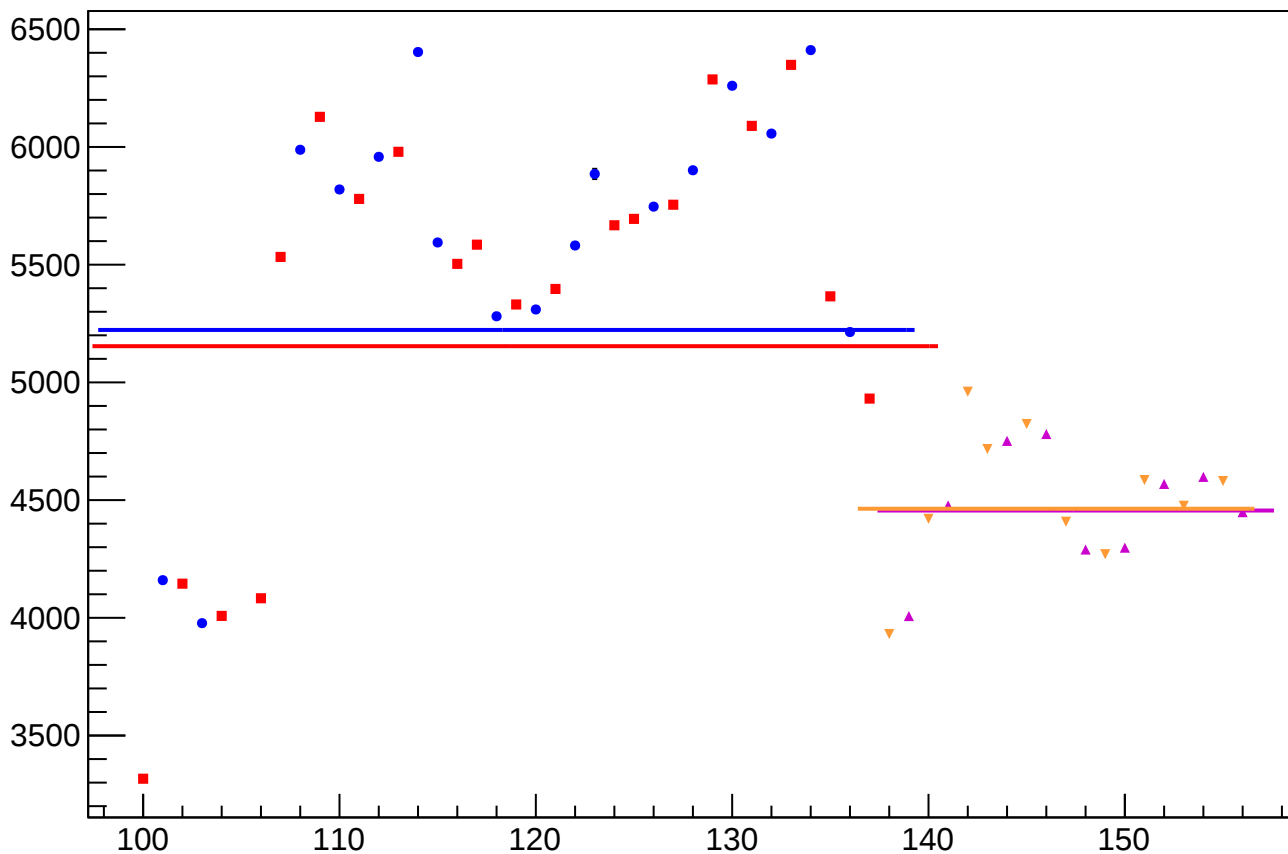
Right Out: -15.198 $\pm$ 1.950 χ^2 /NDF: 71.3/19

Left In: -9.226 $\pm$ 1.650 χ^2 /NDF: 23.7/8

5.298 $\pm$ 1.281 χ^2 /NDF: 223.1/26

-11.719 $\pm$ 1.259 χ^2 /NDF: 100.5/28

diff_bpm0r05Y_rms vs Slug



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

Left Out: 4463.392+/-1.165 χ^2/NDF : 53803.0/9

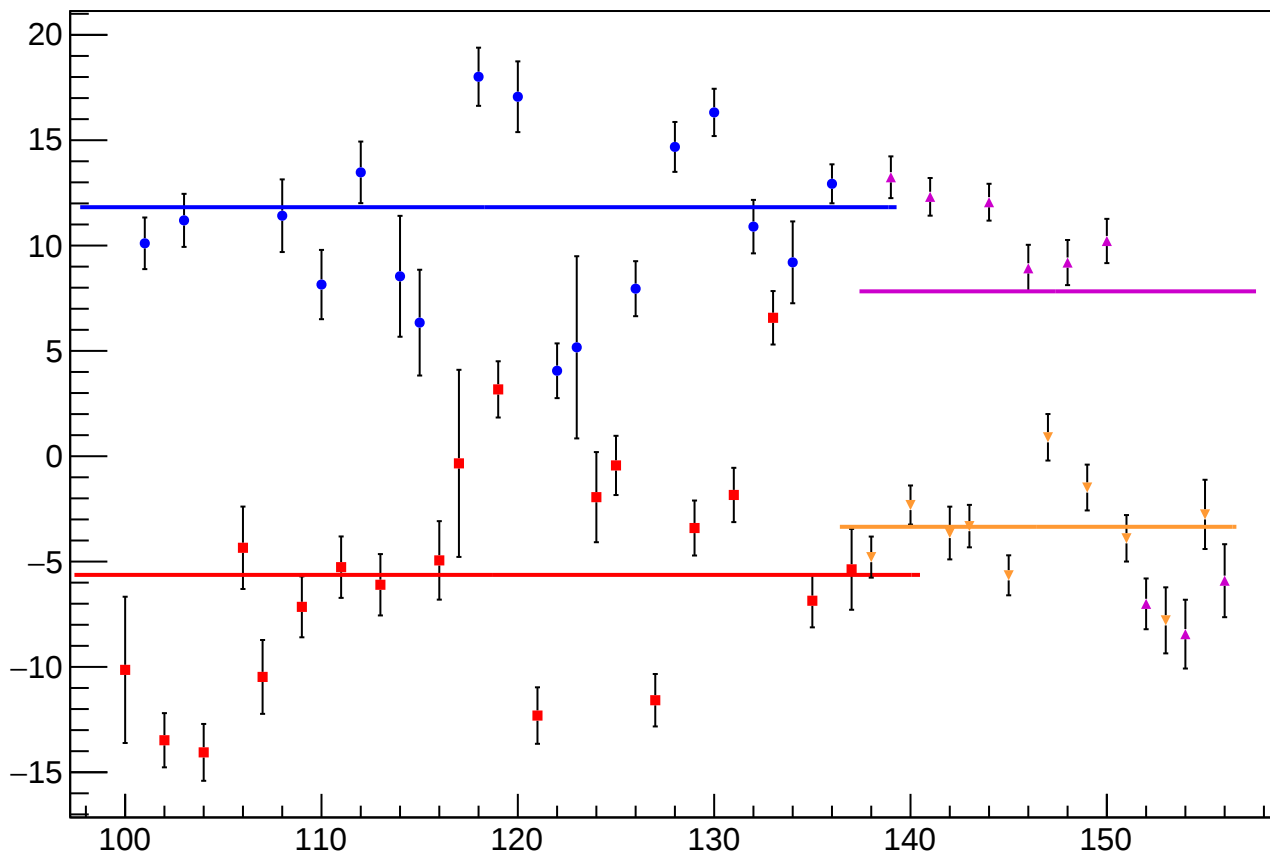
Right Out: 5153.826+/-1.379 χ^2/NDF : 388205.9/19

Left In: 4455.762+/-1.167 χ^2/NDF : 38508.7/8

4763.833+/-0.905 χ^2/NDF : 534465.2/26

4747.117+/-0.891 χ^2/NDF : 576113.1/28

diff_bpm2i01X_mean vs Slug



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

Left Out: -3.350 $\pm$ 0.349 χ^2 /NDF: 35.5/9

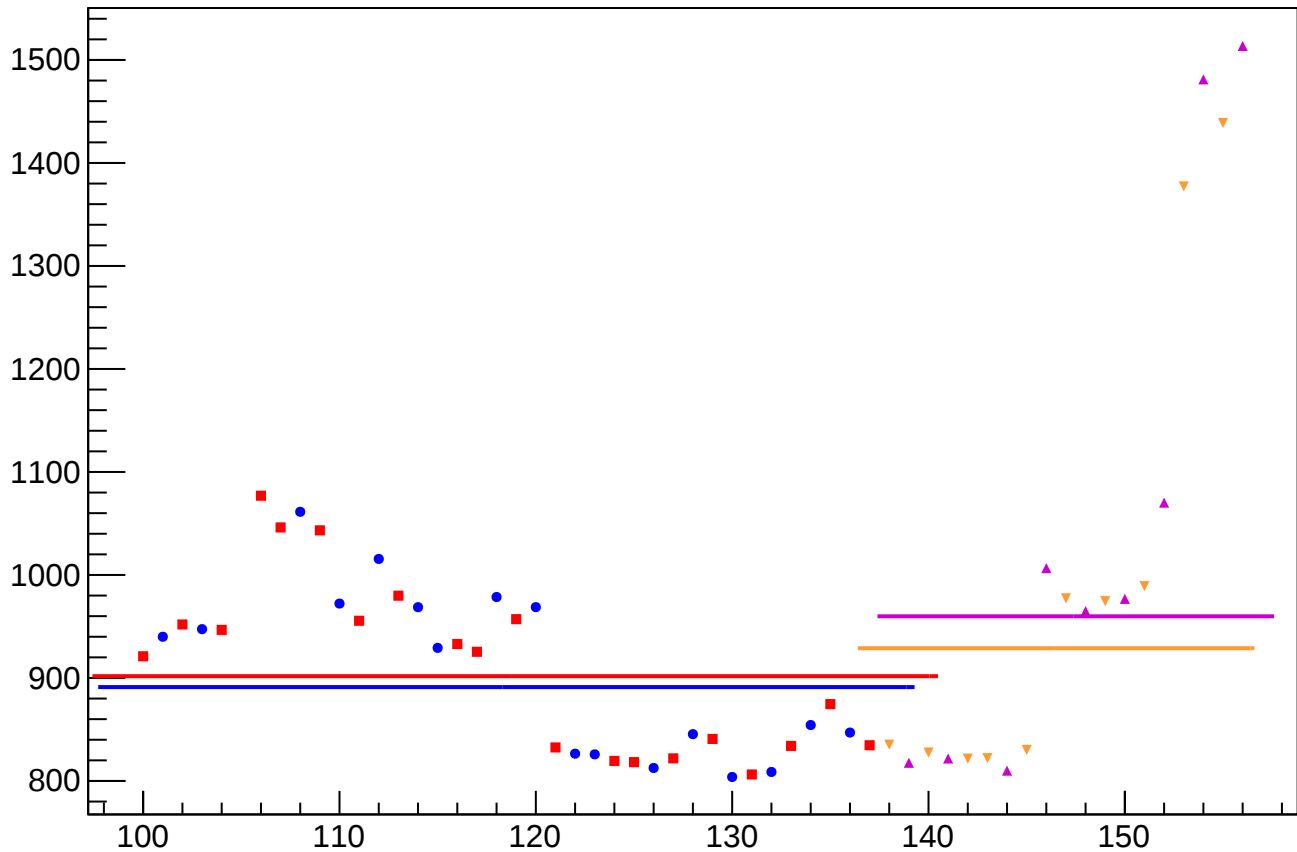
Right Out: -5.632 $\pm$ 0.337 χ^2 /NDF: 301.6/19

Left In: 7.826 $\pm$ 0.364 χ^2 /NDF: 400.0/8

4.333 $\pm$ 0.245 χ^2 /NDF: 1109.6/26

0.593 $\pm$ 0.247 χ^2 /NDF: 1437.2/28

diff_bpm2i01X_rms vs Slug



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

Left Out: 928.864+/-0.247 χ^2/NDF : 470614.4/9

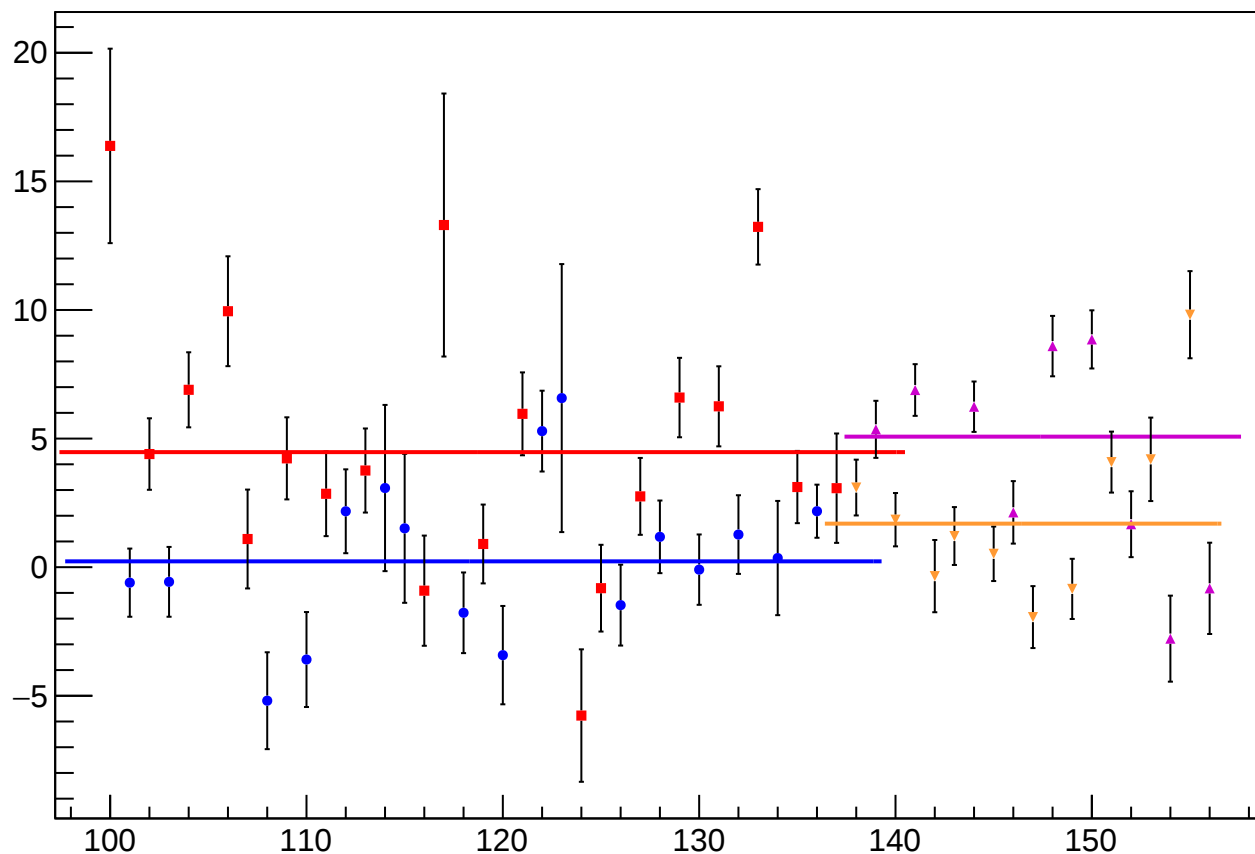
Right Out: 901.725+/-0.239 χ^2/NDF : 114648.1/19

Left In: 959.859+/-0.257 χ^2/NDF : 576674.3/8

909.764+/-0.173 χ^2/NDF : 584104.9/26

928.616+/-0.175 χ^2/NDF : 718772.4/28

diff_bpm2i01Y_mean vs Slug



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

Left Out: 1.693 ± 0.383 $\chi^2/\text{NDF}: 48.5/9$

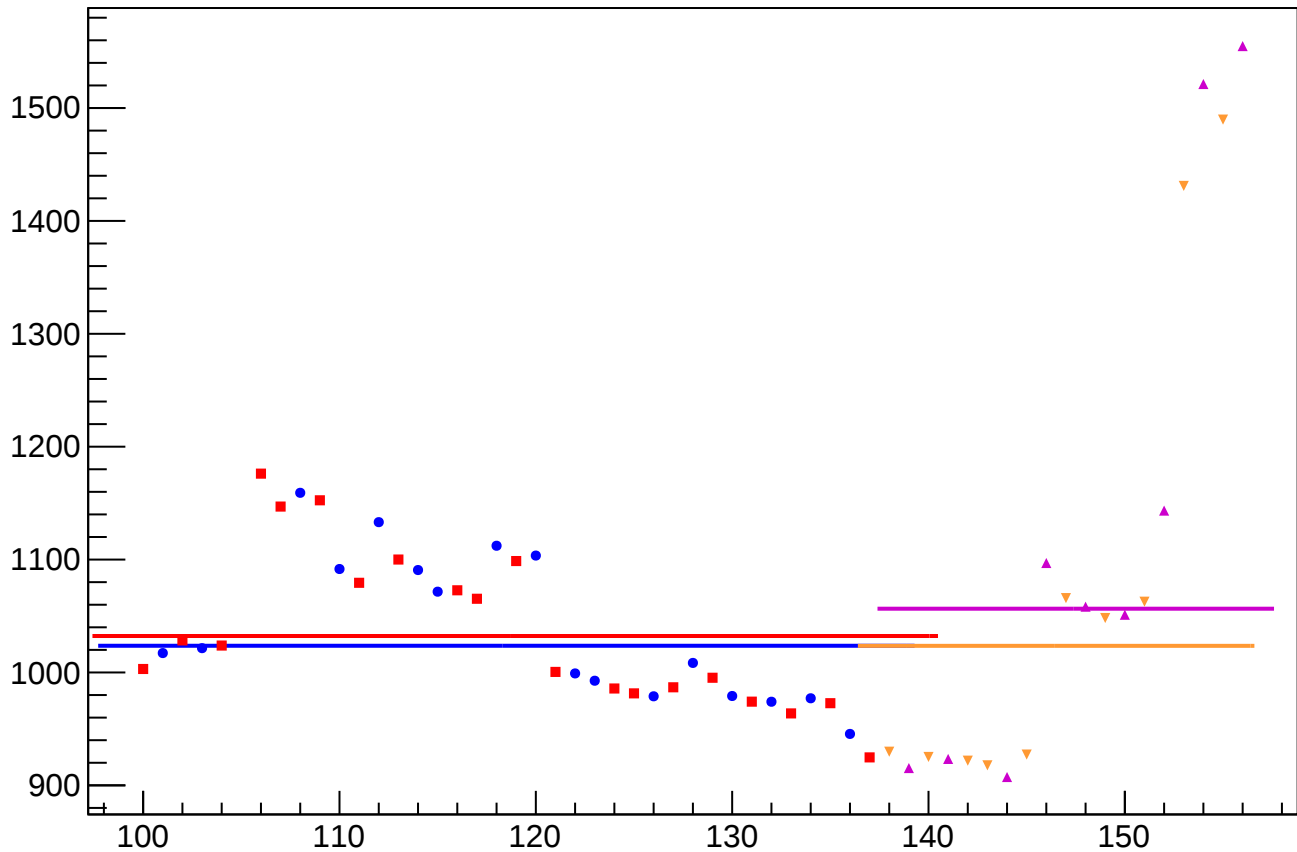
Right Out: 4.473 ± 0.386 $\chi^2/\text{NDF}: 106.3/19$

Left In: 5.075 ± 0.398 $\chi^2/\text{NDF}: 70.9/8$

0.983 ± 0.275 $\chi^2/\text{NDF}: 94.1/26$

4.765 ± 0.277 $\chi^2/\text{NDF}: 178.4/28$

diff_bpm2i01Y_rms vs Slug



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

Left Out: 1023.585+/-0.271 χ^2/NDF : 360756.6/9

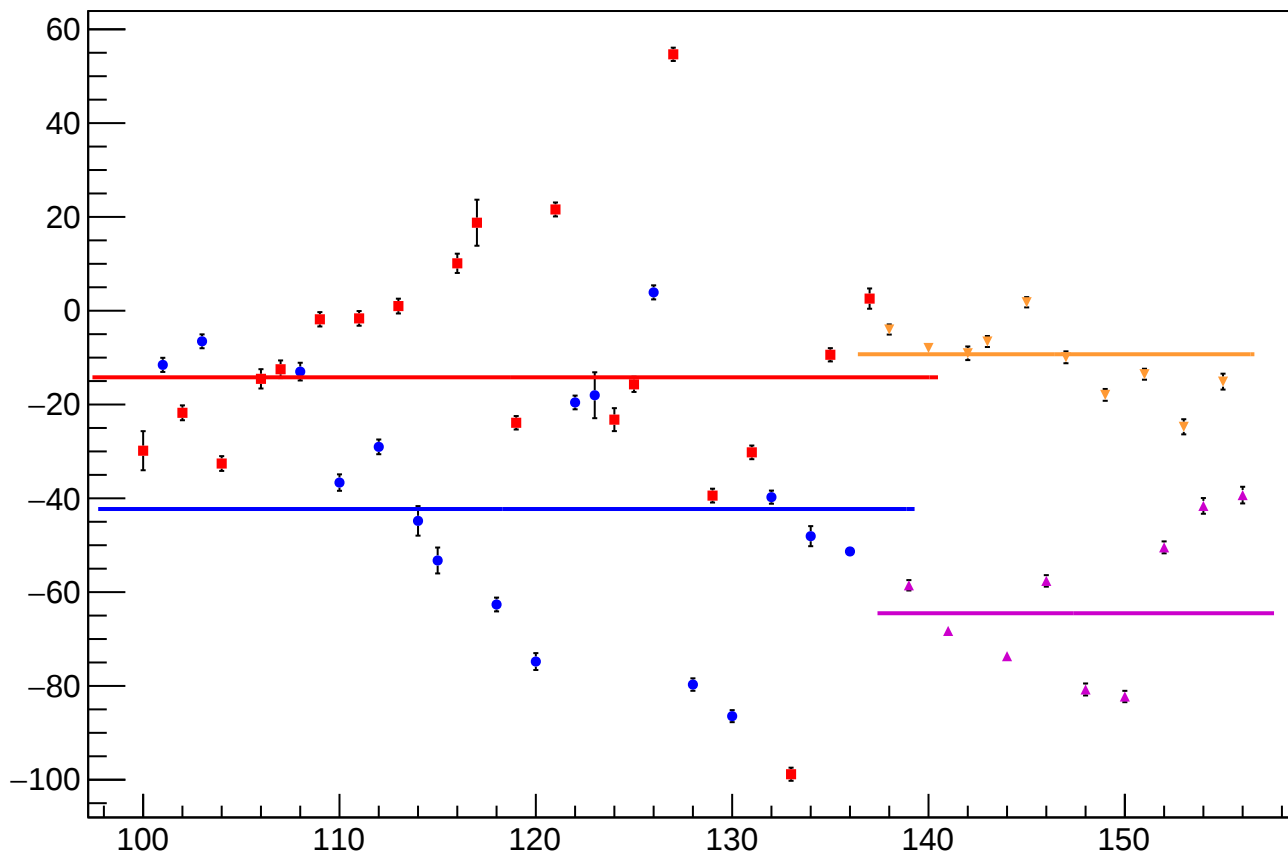
Right Out: 1032.296+/-0.273 χ^2/NDF : 59475.4/19

Left In: 1056.480+/-0.281 χ^2/NDF : 437476.4/8

1023.618+/-0.194 χ^2/NDF : 413130.4/26

1044.007+/-0.196 χ^2/NDF : 500761.4/28

diff_bpm2i02X_mean vs Slug



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

Left Out: -9.282 ± 0.393 χ^2/NDF : 297.0/9

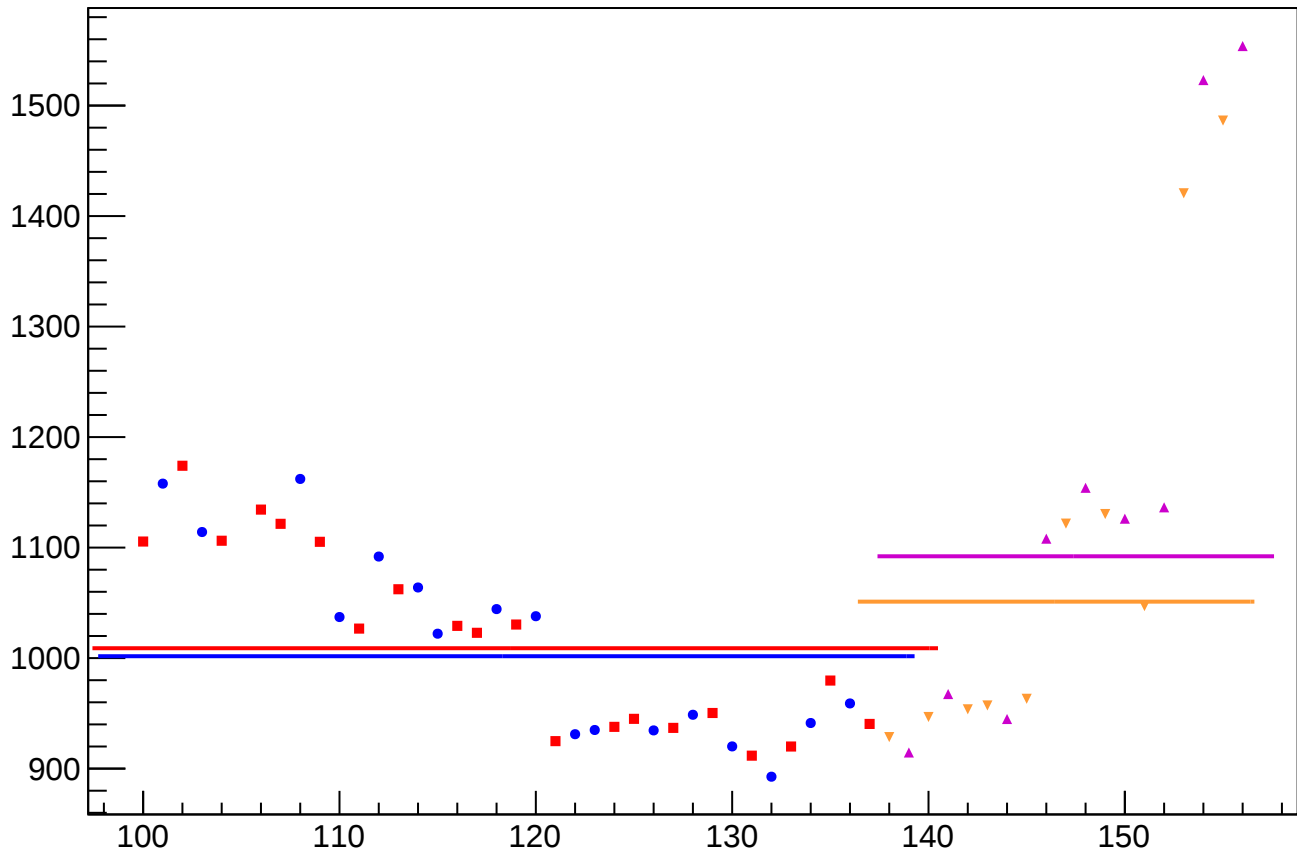
Right Out: -14.197 ± 0.377 χ^2/NDF : 7715.1/19

Left In: -64.502 ± 0.411 χ^2/NDF : 1038.8/8

-26.015 ± 0.276 χ^2/NDF : 9004.7/26

-37.210 ± 0.278 χ^2/NDF : 16884.1/28

diff_bpm2i02X_rms vs Slug



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

Left Out: 1051.095 $\pm$ 0.278 χ^2 /NDF: 330660.0/9

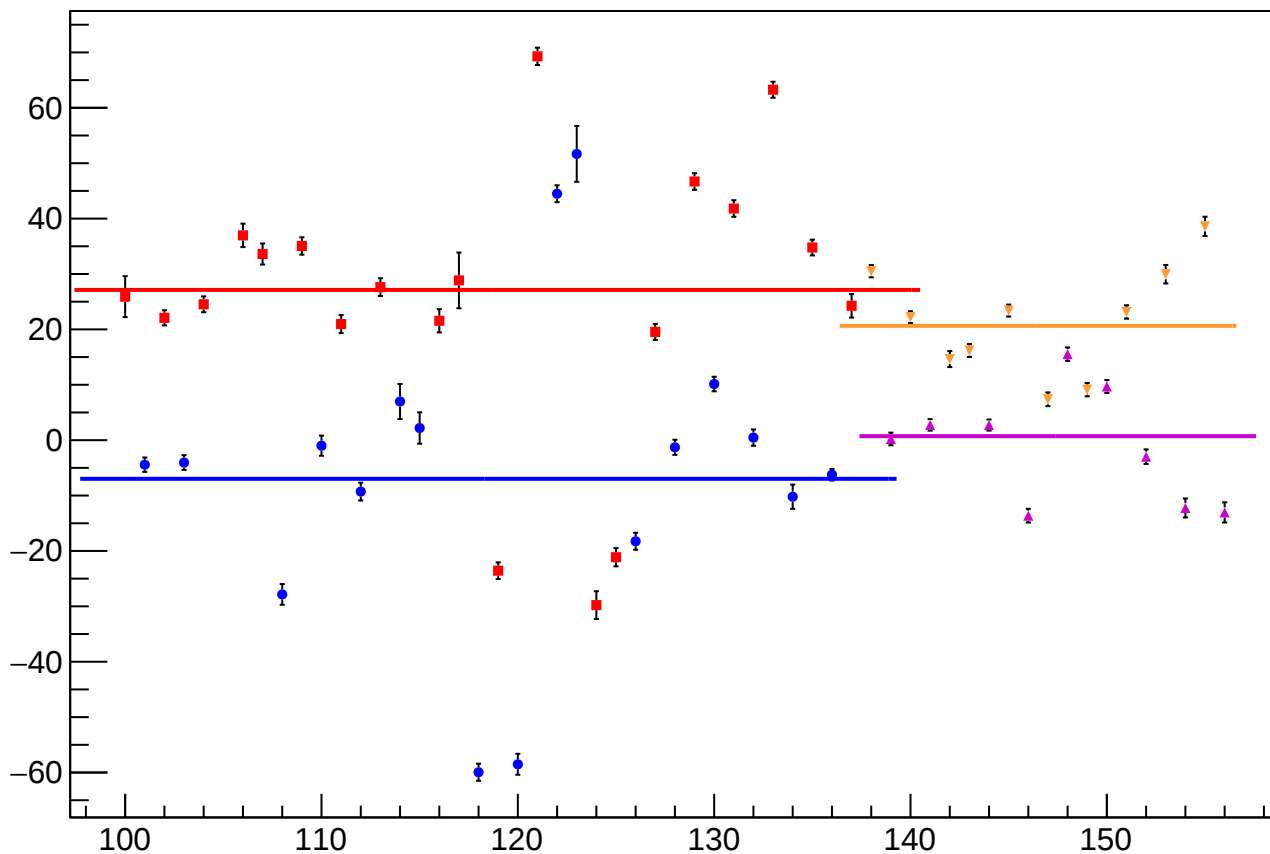
Right Out: 1008.931 $\pm$ 0.267 χ^2 /NDF: 95366.1/19

Left In: 1092.134 $\pm$ 0.291 χ^2 /NDF: 397429.7/8

1026.050 $\pm$ 0.195 χ^2 /NDF: 442185.3/26

1046.993 $\pm$ 0.197 χ^2 /NDF: 537278.9/28

diff_bpm2i02Y_mean vs Slug



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

Left Out: 20.642+/-0.394 χ^2/NDF : 466.5/9

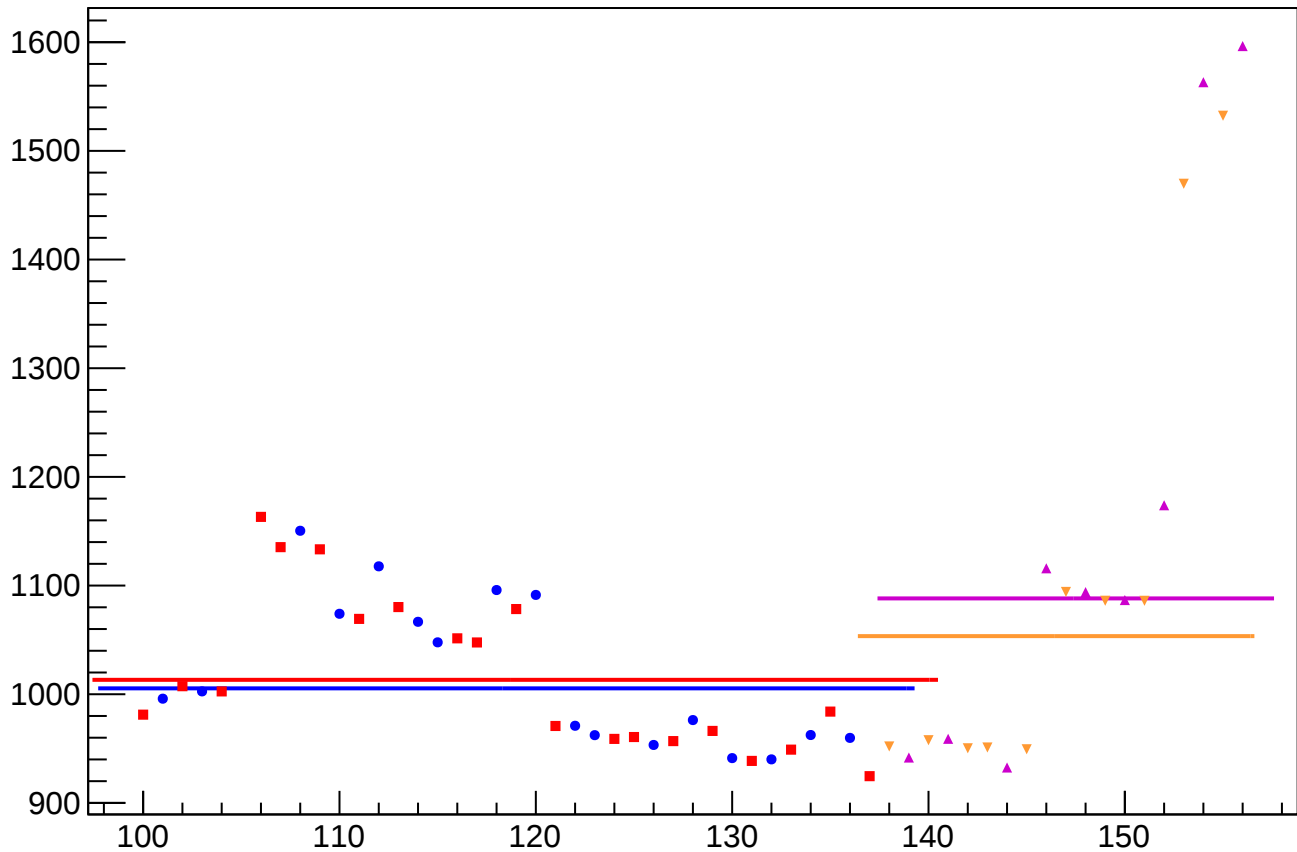
Right Out: 27.125+/-0.379 χ^2/NDF : 4283.6/19

Left In: 0.722+/-0.410 χ^2/NDF : 472.3/8

6.628+/-0.276 χ^2/NDF : 6599.3/26

14.968+/-0.278 χ^2/NDF : 6996.4/28

diff_bpm2i02Y_rms vs Slug



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

Left Out: 1053.468+/-0.278 χ^2/NDF : 357692.4/9

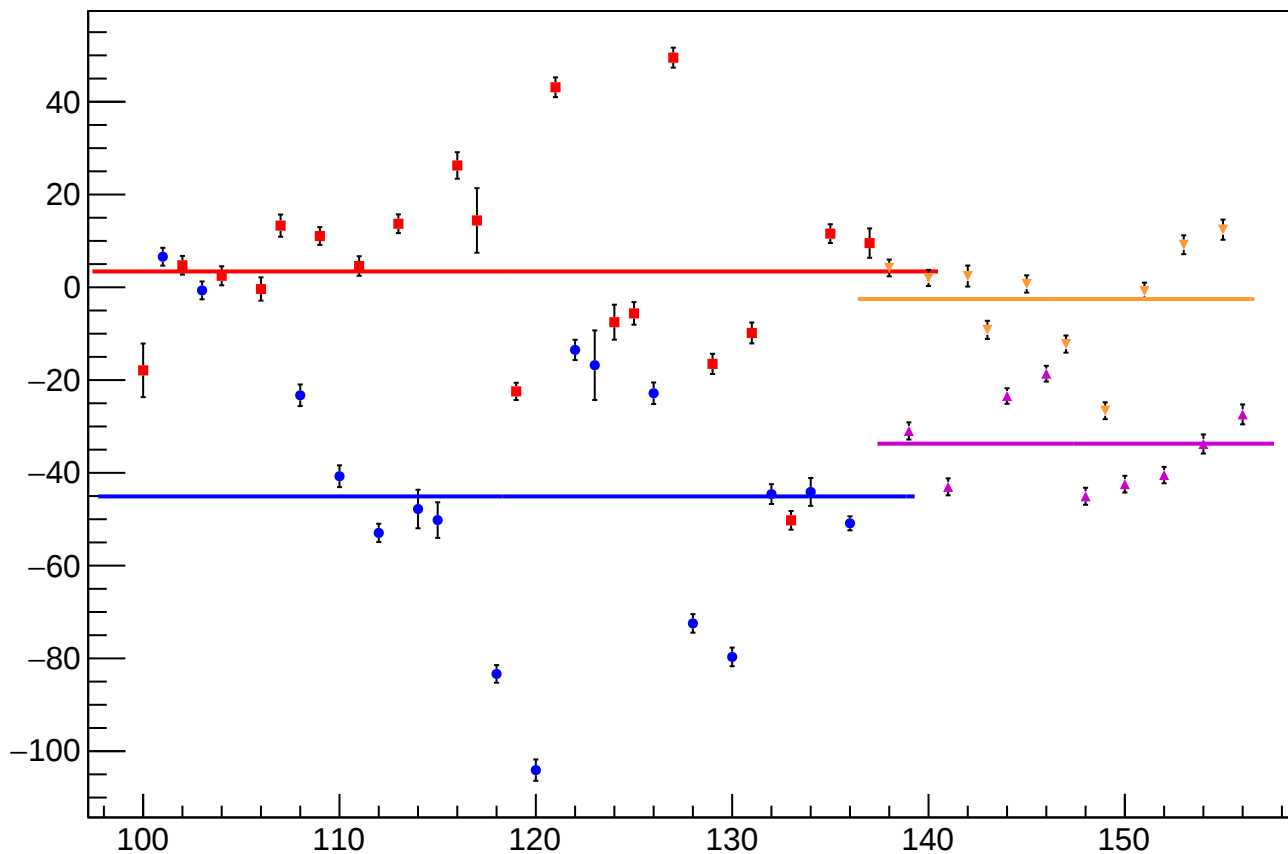
Right Out: 1013.260+/-0.268 χ^2/NDF : 63359.8/19

Left In: 1088.174+/-0.290 χ^2/NDF : 429437.9/8

1029.080+/-0.195 χ^2/NDF : 427395.2/26

1047.754+/-0.197 χ^2/NDF : 528870.2/28

diff_bpm0i02X_mean vs Slug



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

Left Out: -2.522 ± 0.607 χ^2/NDF : 324.9/9

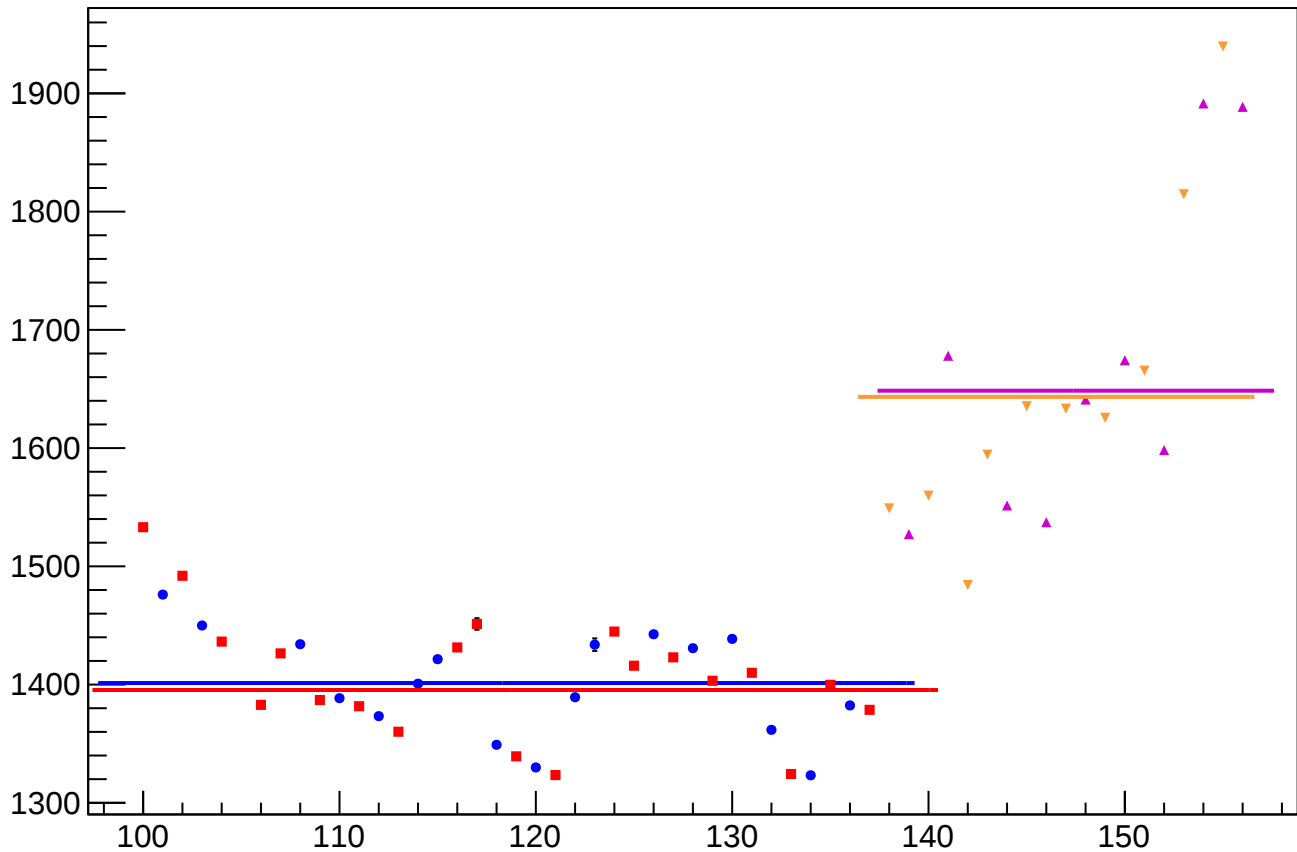
Right Out: 3.419 ± 0.520 χ^2/NDF : 2008.2/19

Left In: -33.708 ± 0.612 χ^2/NDF : 229.2/8

-26.278 ± 0.403 χ^2/NDF : 6310.4/26

-12.164 ± 0.396 χ^2/NDF : 4374.1/28

diff_bpm0i02X_rms vs Slug



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

Left Out: 1643.329+/-0.429 χ^2/NDF : 73132.3/9

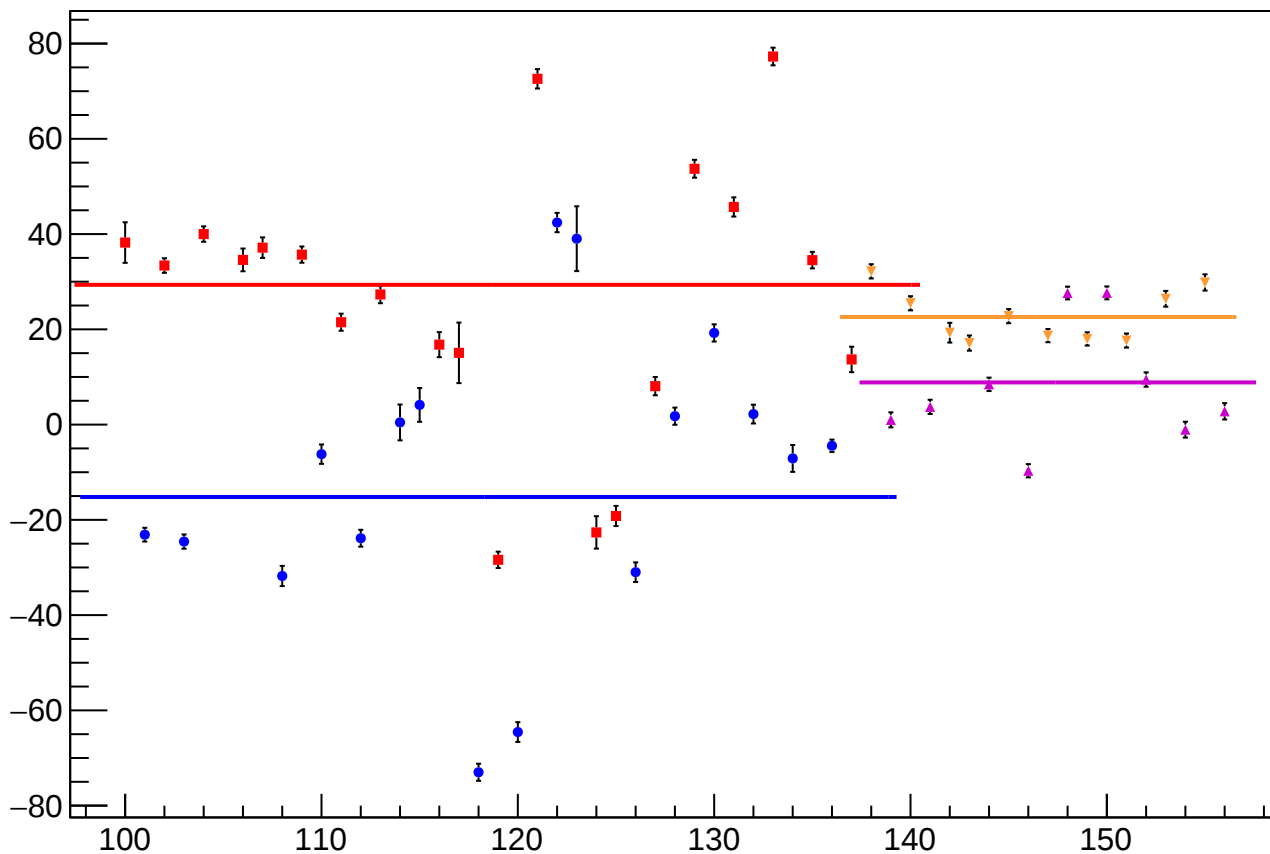
Right Out: 1395.419+/-0.368 χ^2/NDF : 15649.3/19

Left In: 1648.549+/-0.433 χ^2/NDF : 79427.6/8

1508.232+/-0.285 χ^2/NDF : 263676.8/26

1501.663+/-0.280 χ^2/NDF : 293722.5/28

diff_bpm0i02Y_mean vs Slug



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

Left Out: 22.589 ± 0.490 χ^2/NDF : 112.3/9

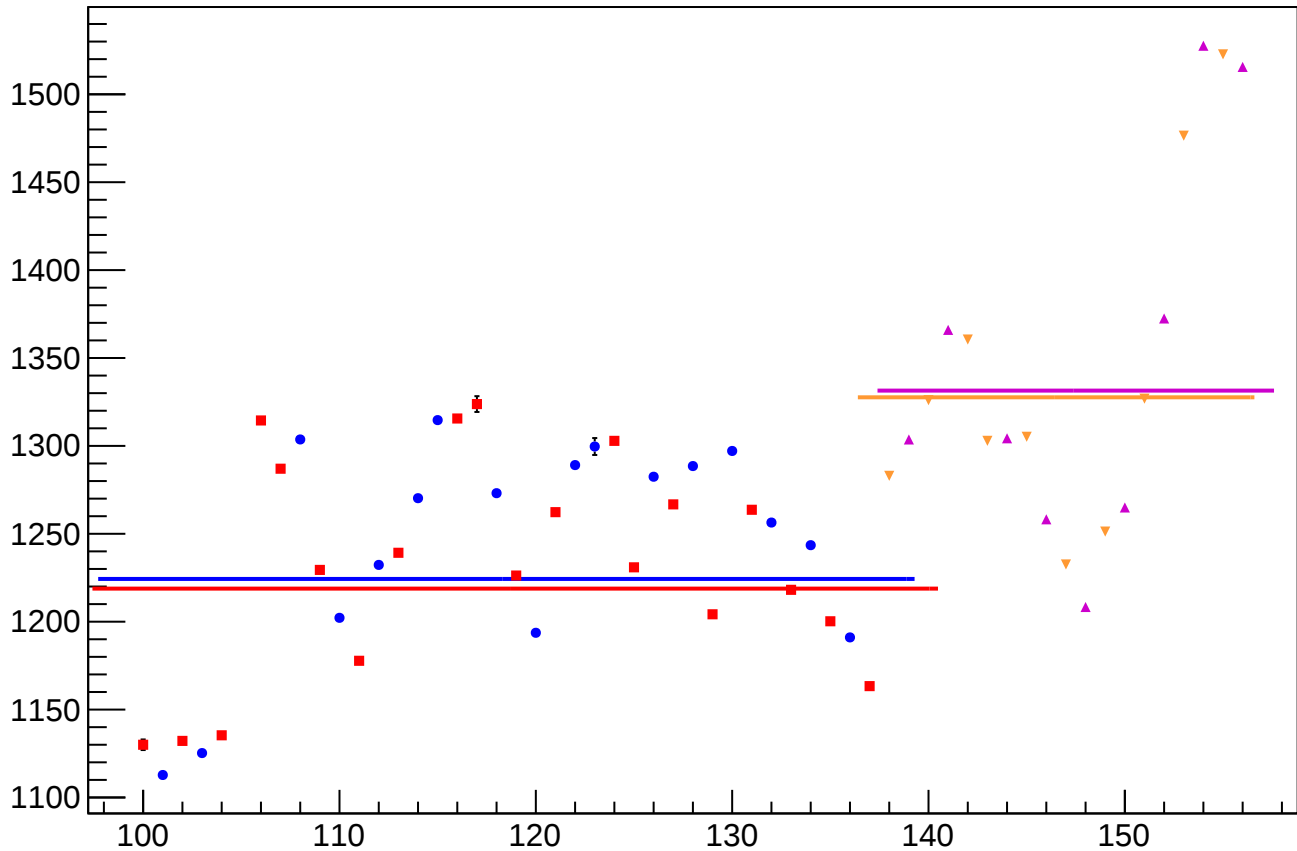
Right Out: 29.344 ± 0.455 χ^2/NDF : 3549.9/19

Left In: 8.856 ± 0.494 χ^2/NDF : 649.1/8

2.998 ± 0.340 χ^2/NDF : 6560.5/26

19.934 ± 0.335 χ^2/NDF : 5130.1/28

diff_bpm0i02Y_rms vs Slug



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

Left Out: 1327.635+/-0.346 χ^2/NDF : 60840.5/9

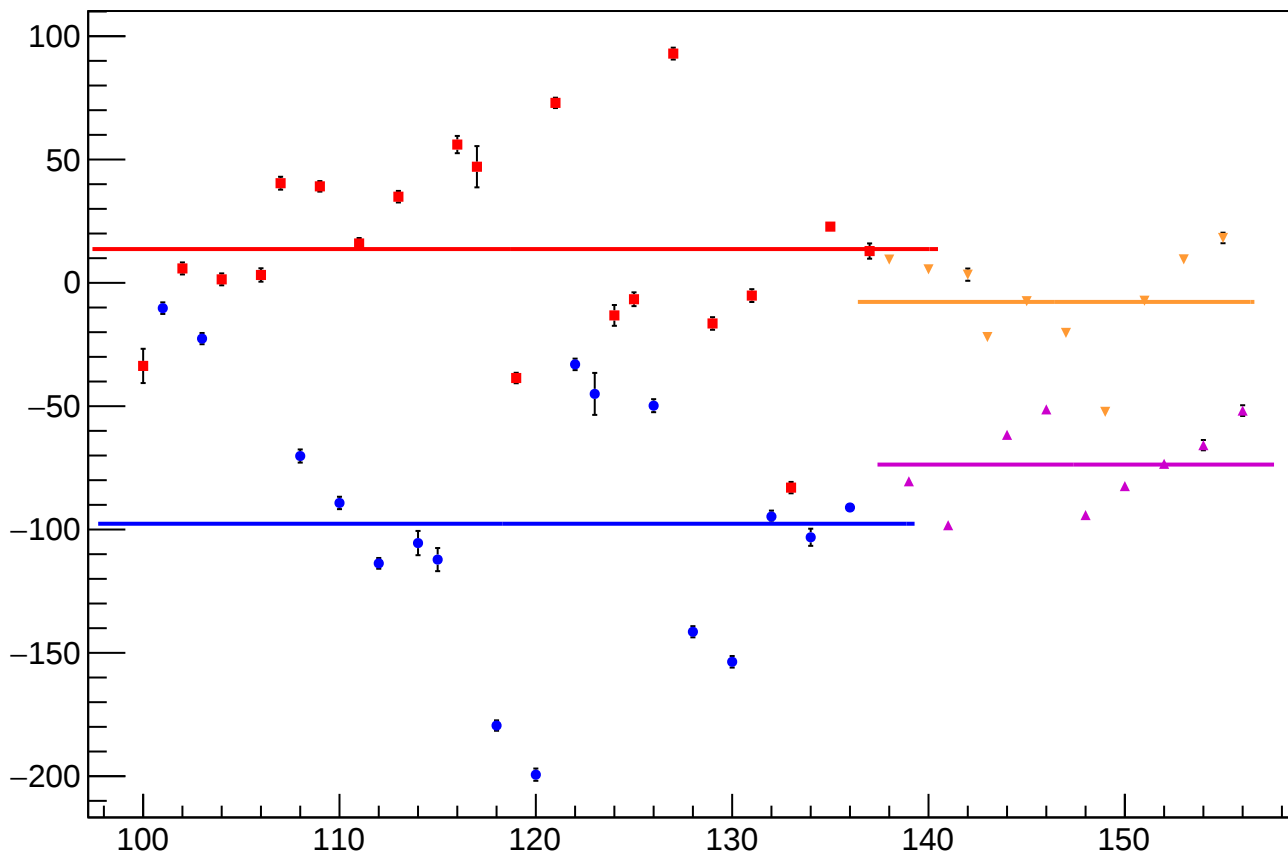
Right Out: 1218.817+/-0.322 χ^2/NDF : 28121.5/19

Left In: 1331.453+/-0.349 χ^2/NDF : 81881.3/8

1274.076+/-0.240 χ^2/NDF : 145745.1/26

1270.550+/-0.237 χ^2/NDF : 166290.3/28

diff_bpm0i02aX_mean vs Slug



Right In: -97.657 $\pm$ 0.601 χ^2 /NDF: 7936.6/16

Left Out: -7.724 $\pm$ 0.612 χ^2 /NDF:1072.5/9

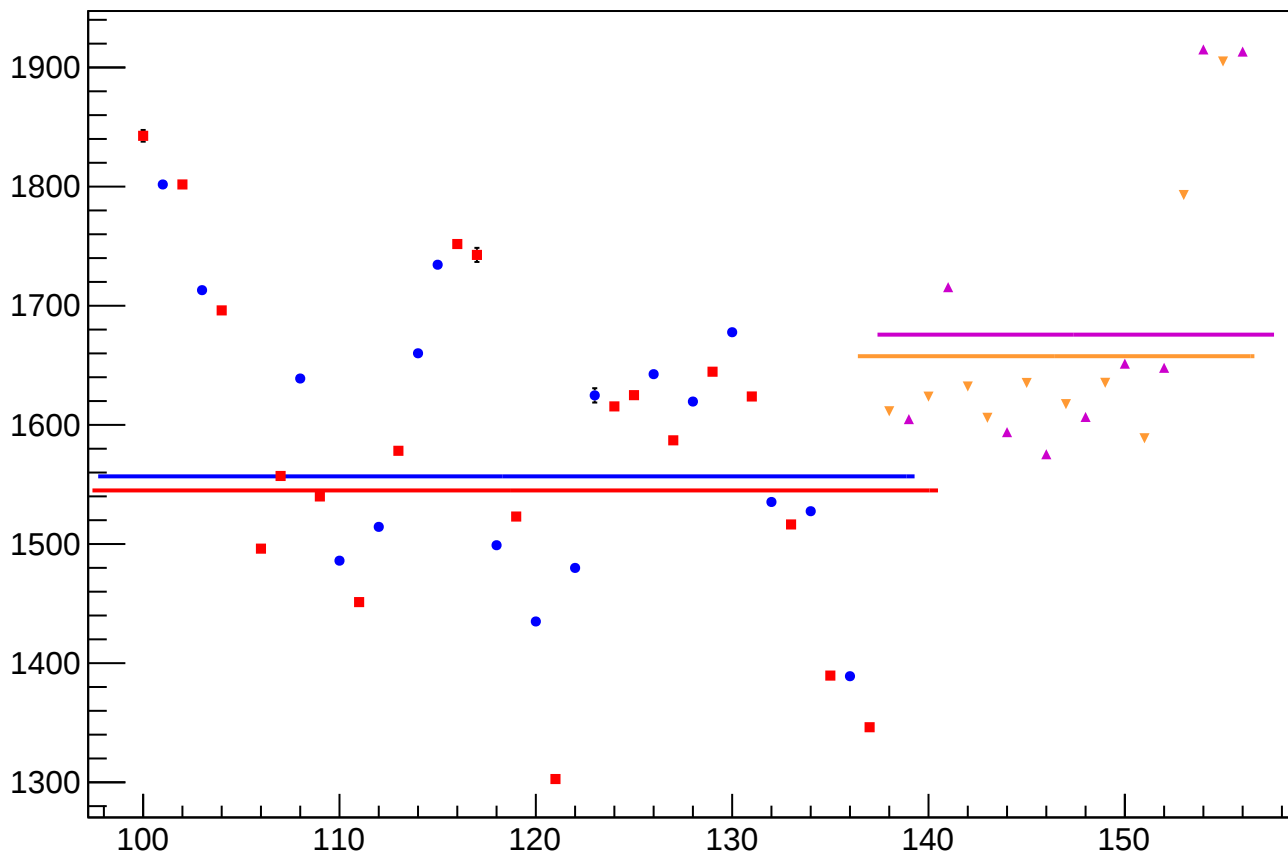
-53.450 $\pm$ 0.429 χ^2 /NDF: 20004.2/26

Right Out: 13.698 $\pm$ 0.578 χ^2 /NDF: 5144.2/19

-26.834 $\pm$ 0.423 χ^2 /NDF: 16414.0/28

Left In: -73.671 $\pm$ 0.621 χ^2 /NDF:669.4/8

diff_bpm0i02aX_rms vs Slug



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

Left Out: 1657.648 ± 0.432 χ^2/NDF : 43937.3/9

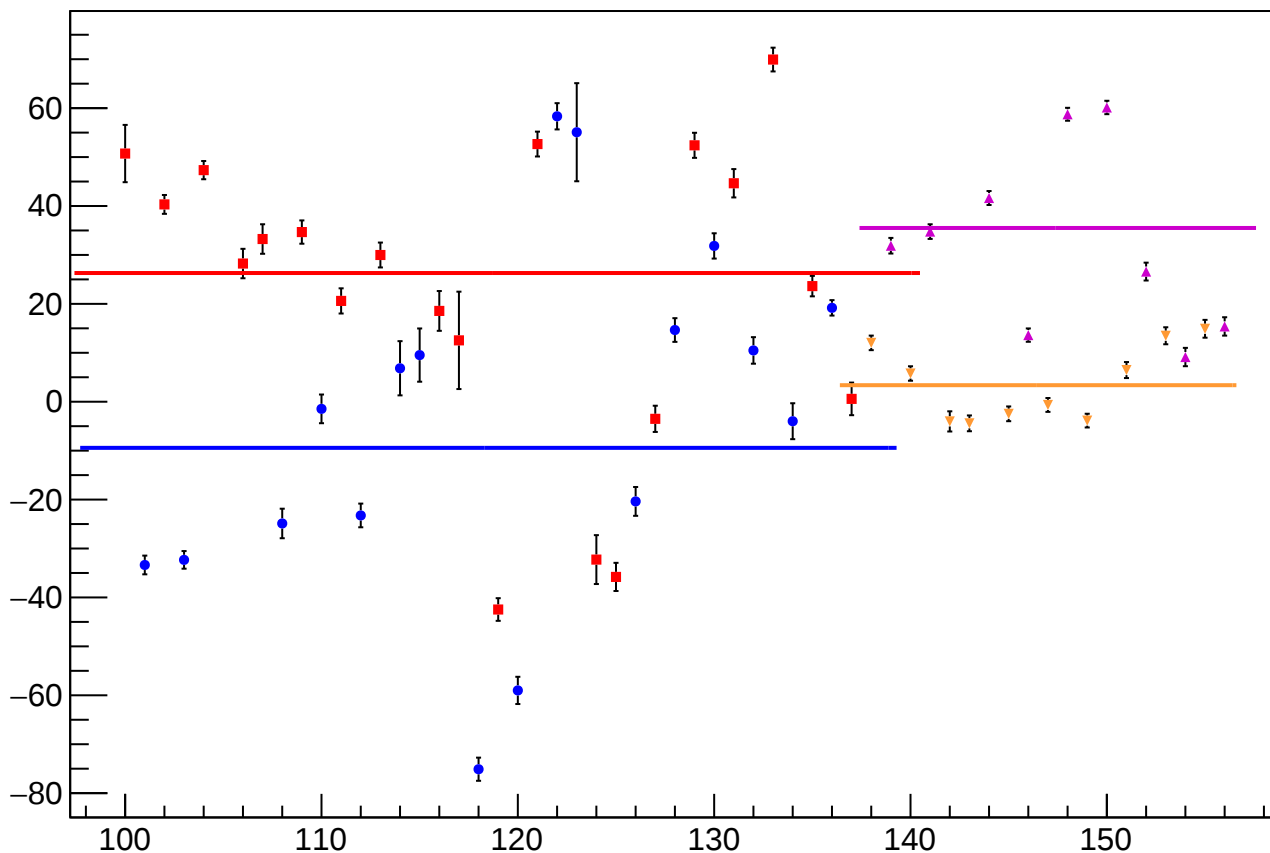
Right Out: 1544.983 ± 0.409 χ^2/NDF : 101624.6/19

Left In: 1675.746 ± 0.439 χ^2/NDF : 68931.6/8

1606.372 ± 0.303 χ^2/NDF : 153138.8/26

1605.646 ± 0.299 χ^2/NDF : 218046.5/28

diff_bpm0i02aY_mean vs Slug



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

Left Out: 3.378 ± 0.501 χ^2/NDF : 199.9/9

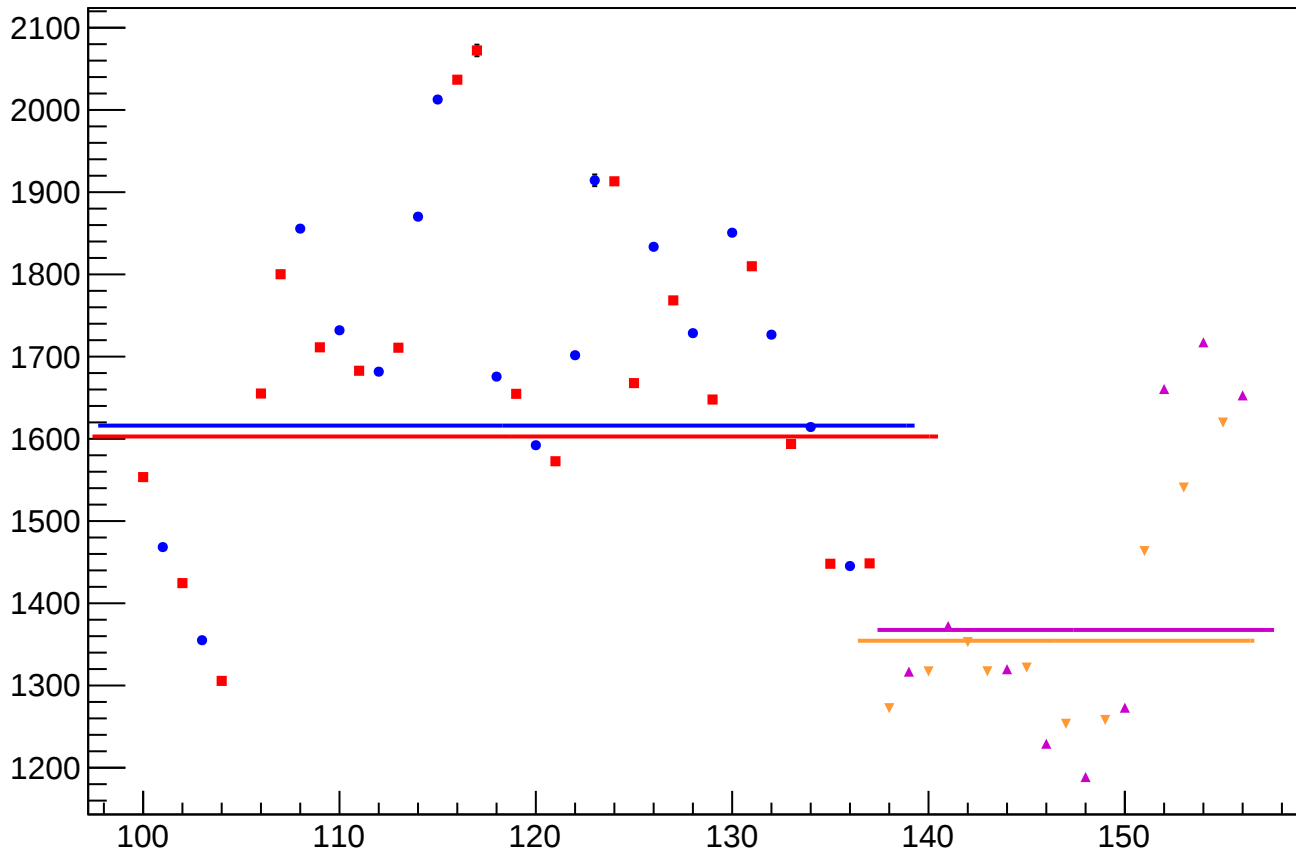
Right Out: 26.304 ± 0.602 χ^2/NDF : 2474.0/19

Left In: 35.510 ± 0.510 χ^2/NDF : 1251.7/8

-1.619 ± 0.391 χ^2/NDF : 3378.7/26

31.660 ± 0.389 χ^2/NDF : 3861.9/28

diff_bpm0i02aY_rms vs Slug



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

Left Out: 1354.483+/-0.354 χ^2/NDF : 103329.2/9

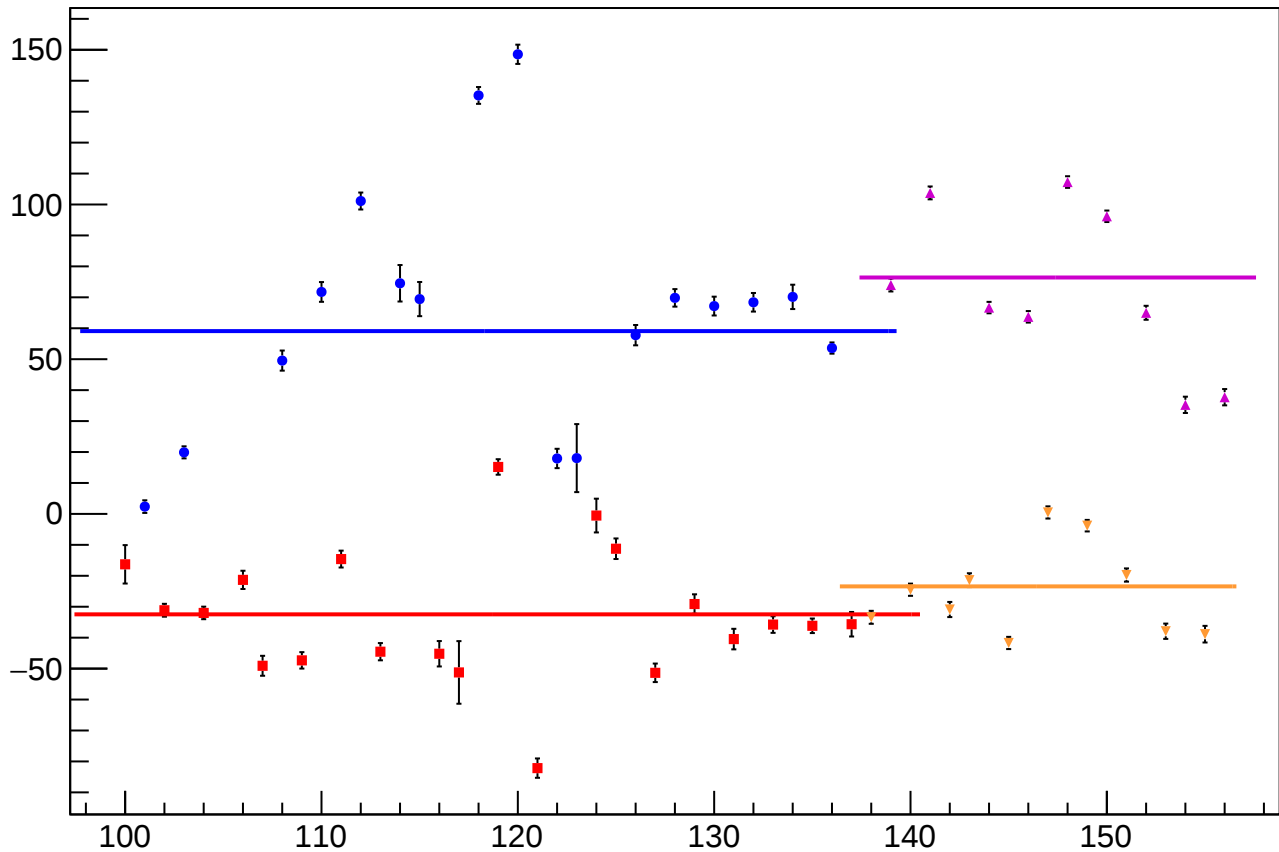
Right Out: 1602.857+/-0.425 χ^2/NDF : 158119.5/19

Left In: 1367.584+/-0.361 χ^2/NDF : 238561.7/8

1456.573+/-0.277 χ^2/NDF : 465603.1/26

1465.985+/-0.275 χ^2/NDF : 574579.4/28

diff_bpm0i05X_mean vs Slug



Right In: 59.081 $\pm$ 0.699 χ^2 /NDF: 3293.6/16

Left Out: -23.427 $\pm$ 0.678 χ^2 /NDF: 446.5/9

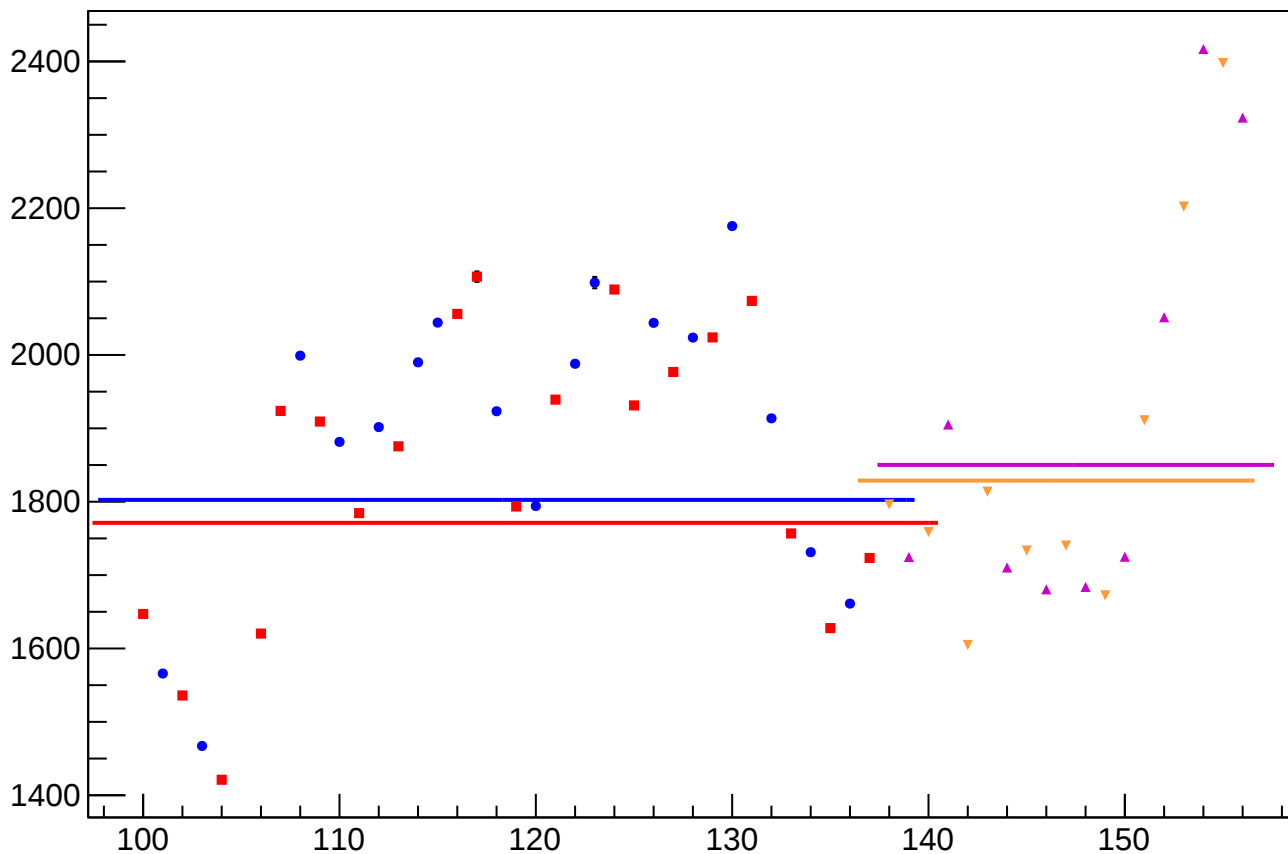
Right Out: -32.463 $\pm$ 0.665 χ^2 /NDF: 894.9/19

Left In: 76.405 $\pm$ 0.690 χ^2 /NDF: 1116.9/8

16.569 $\pm$ 0.487 χ^2 /NDF: 10909.6/26

19.934 $\pm$ 0.479 χ^2 /NDF: 14909.6/28

diff_bpm0i05X_rms vs Slug



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

Left Out: 1828.825+/-0.480 χ^2/NDF : 180802.5/9

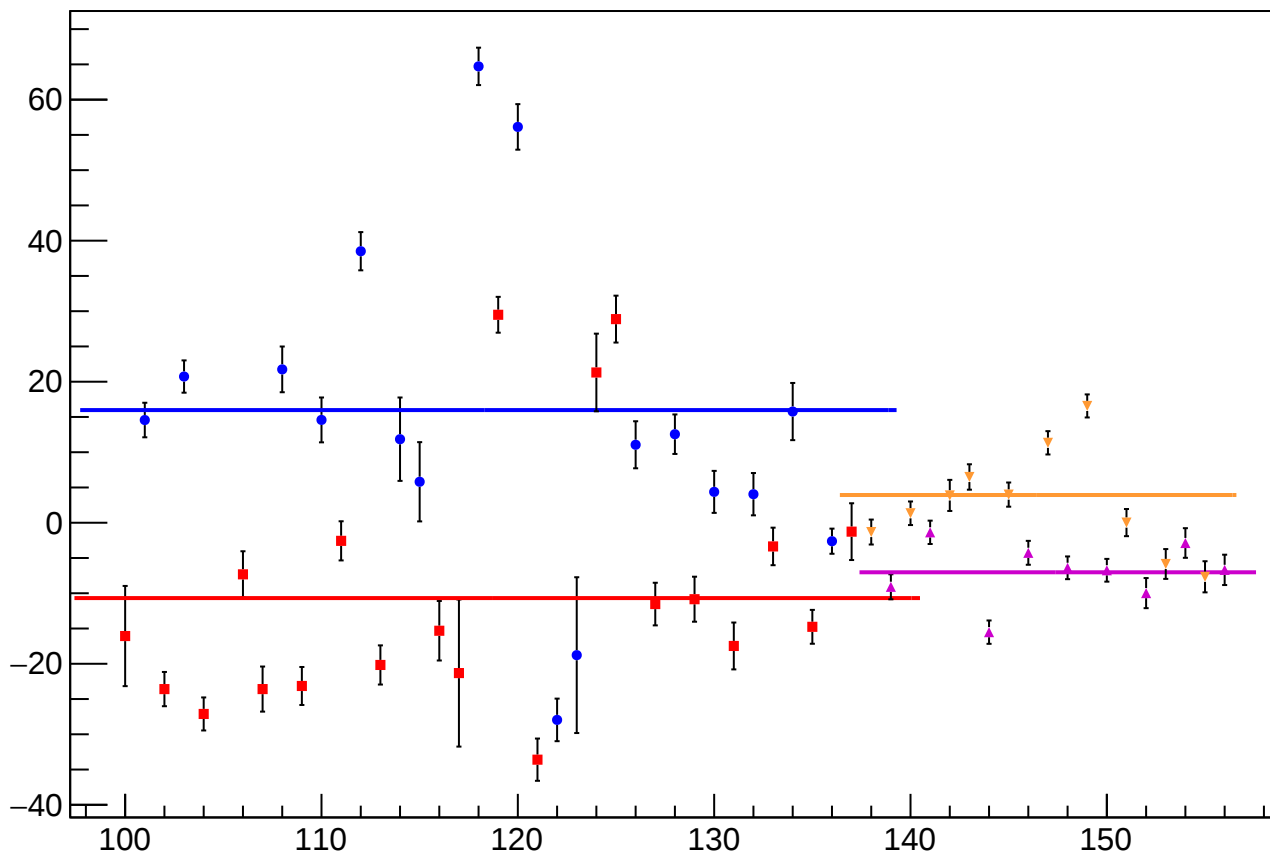
Right Out: 1771.228+/-0.470 χ^2/NDF : 180101.6/19

Left In: 1850.173+/-0.488 χ^2/NDF : 234383.2/8

1816.076+/-0.344 χ^2/NDF : 366328.6/26

1809.223+/-0.339 χ^2/NDF : 428048.6/28

diff_bpm0i05Y_mean vs Slug



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

Left Out: 3.933 ± 0.580 χ^2/NDF : 146.1/9

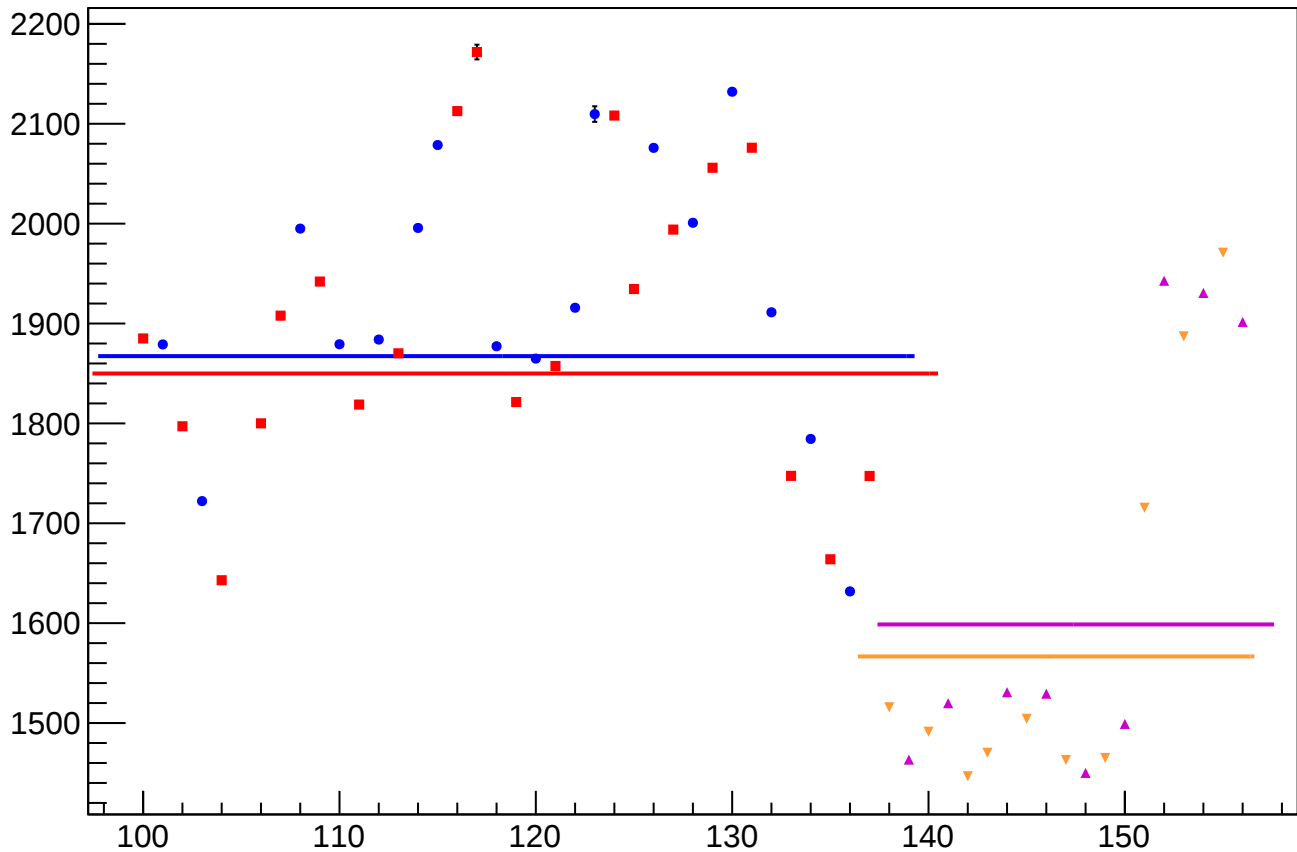
Right Out: -10.685 ± 0.692 χ^2/NDF : 643.2/19

Left In: -7.027 ± 0.595 χ^2/NDF : 48.0/8

8.663 ± 0.452 χ^2/NDF : 1253.6/26

-8.582 ± 0.451 χ^2/NDF : 707.3/28

diff_bpm0i05Y_rms vs Slug



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

Left Out: 1566.677 $\pm$ 0.410 χ^2 /NDF:160589.8/9

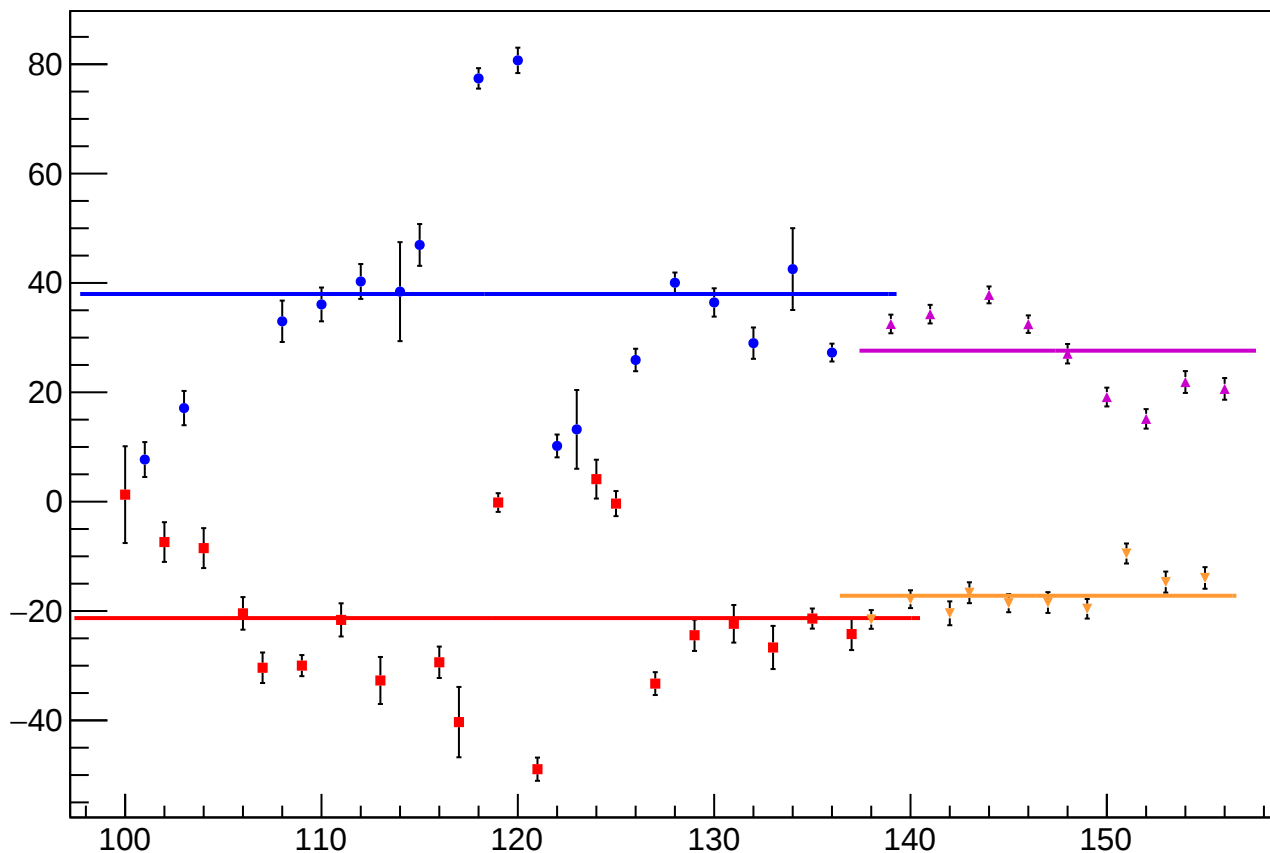
Right Out: 1849.954 $\pm$ 0.489 χ^2 /NDF: 74440.9/19

Left In: 1598.701 $\pm$ 0.421 χ^2 /NDF:189047.5/8

1684.761 $\pm$ 0.320 χ^2 /NDF: 452354.9/26

1705.486 $\pm$ 0.319 χ^2 /NDF: 415169.4/28

diff_bpm0i07X_mean vs Slug



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

Left Out: -17.207 ± 0.579 χ^2/NDF : 33.9/9

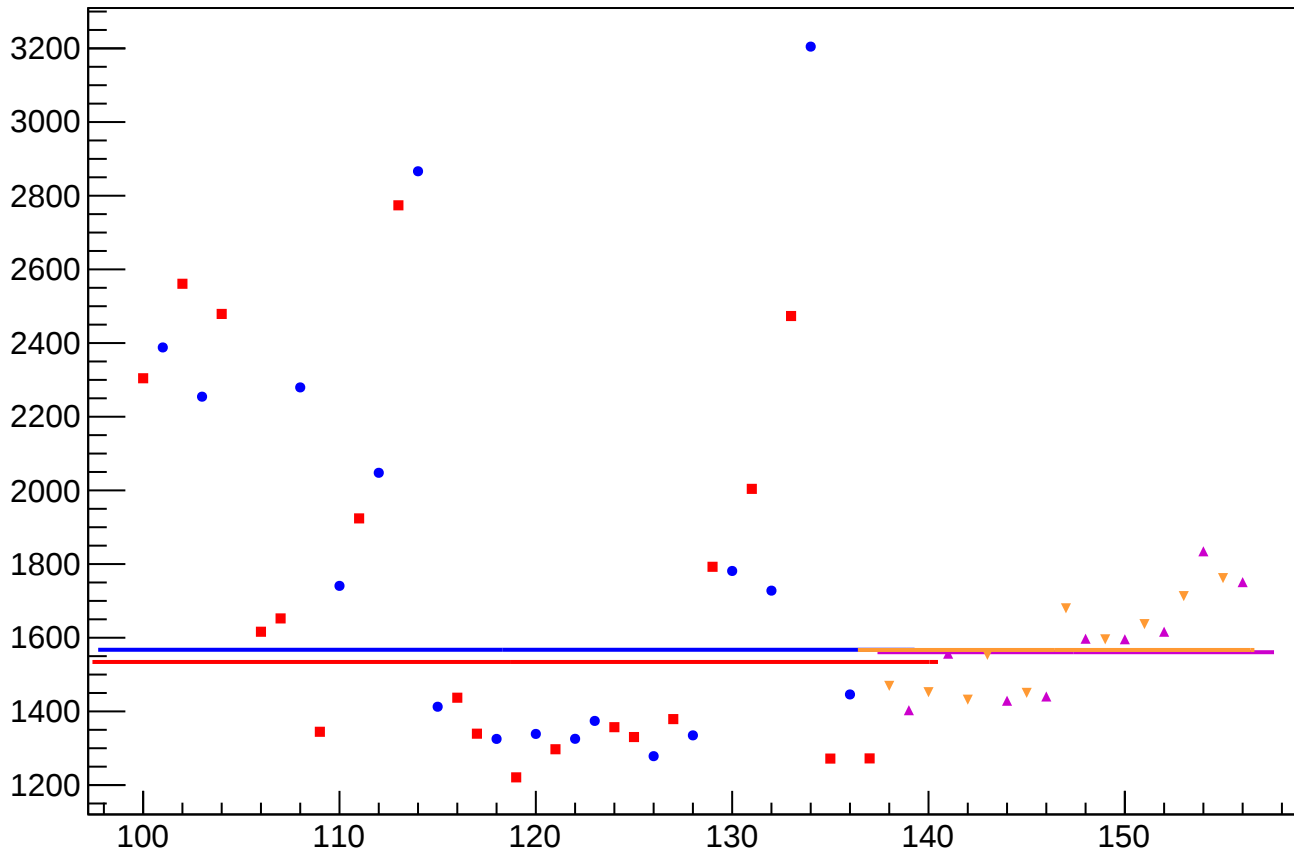
Right Out: -21.294 ± 0.606 χ^2/NDF : 582.5/19

Left In: 27.612 ± 0.580 χ^2/NDF : 170.6/8

7.753 ± 0.429 χ^2/NDF : 5344.3/26

4.223 ± 0.419 χ^2/NDF : 4155.3/28

diff_bpm0i07X_rms vs Slug



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

Left Out: 1566.791+/-0.410 χ^2/NDF : 75629.1/9

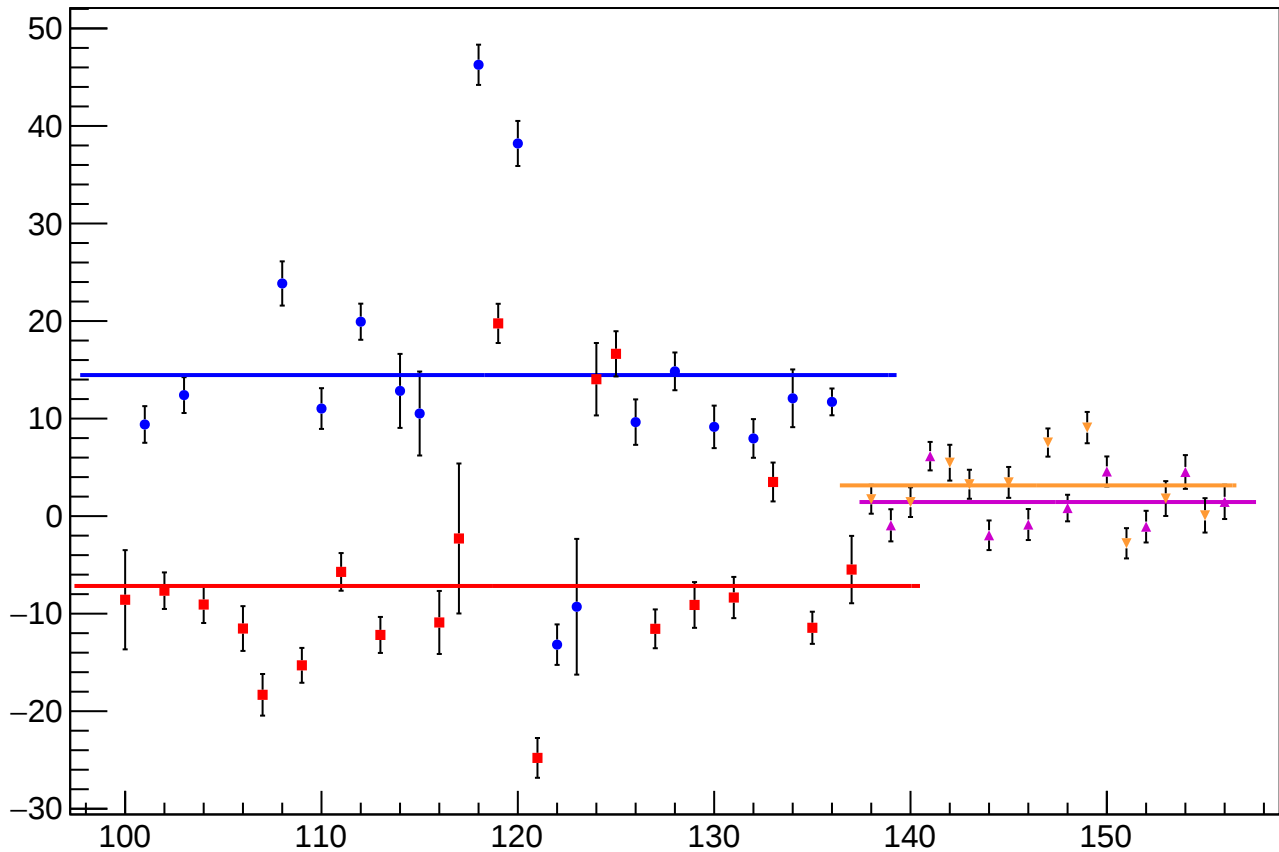
Right Out: 1534.225+/-0.428 χ^2/NDF : 883947.6/19

Left In: 1560.708+/-0.410 χ^2/NDF : 102575.7/8

1567.034+/-0.303 χ^2/NDF : 749080.6/26

1548.043+/-0.296 χ^2/NDF : 988518.5/28

diff_bpm0i07Y_mean vs Slug



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

Left Out: 3.151 ± 0.503 χ^2/NDF : 45.0/9

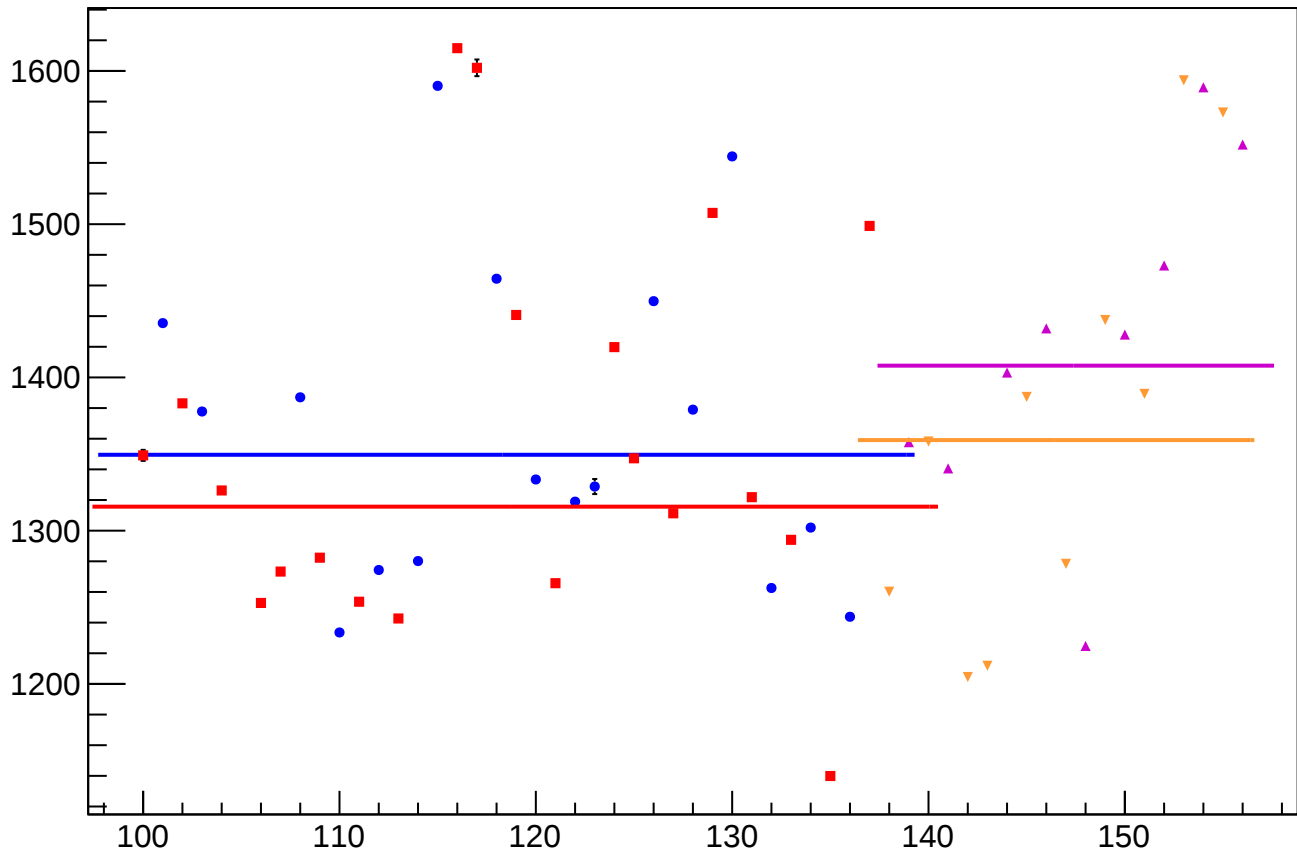
Right Out: -7.161 ± 0.493 χ^2/NDF : 496.1/19

Left In: 1.445 ± 0.522 χ^2/NDF : 29.6/8

8.584 ± 0.363 χ^2/NDF : 883.7/26

-3.102 ± 0.359 χ^2/NDF : 669.1/28

diff_bpm0i07Y_rms vs Slug



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

Left Out: 1359.109 ± 0.356 χ^2/NDF : 119096.9/9

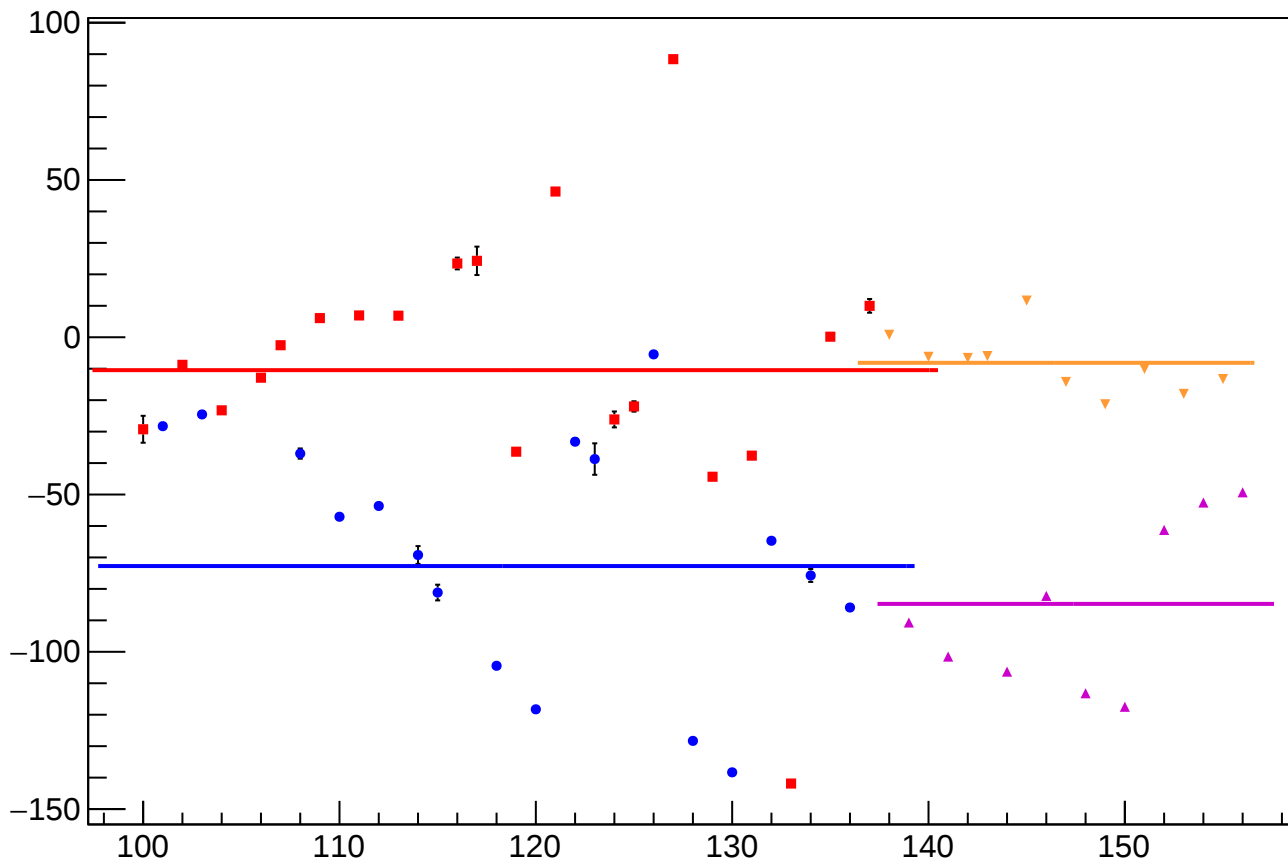
Right Out: 1315.669 ± 0.349 χ^2/NDF : 83739.0/19

Left In: 1407.680 ± 0.369 χ^2/NDF : 81770.1/8

1354.504 ± 0.256 χ^2/NDF : 184113.4/26

1359.064 ± 0.254 χ^2/NDF : 198319.0/28

diff_bpm1i02X_mean vs Slug



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

Left Out: -8.126 ± 0.346 $\chi^2/\text{NDF}: 691.9/9$

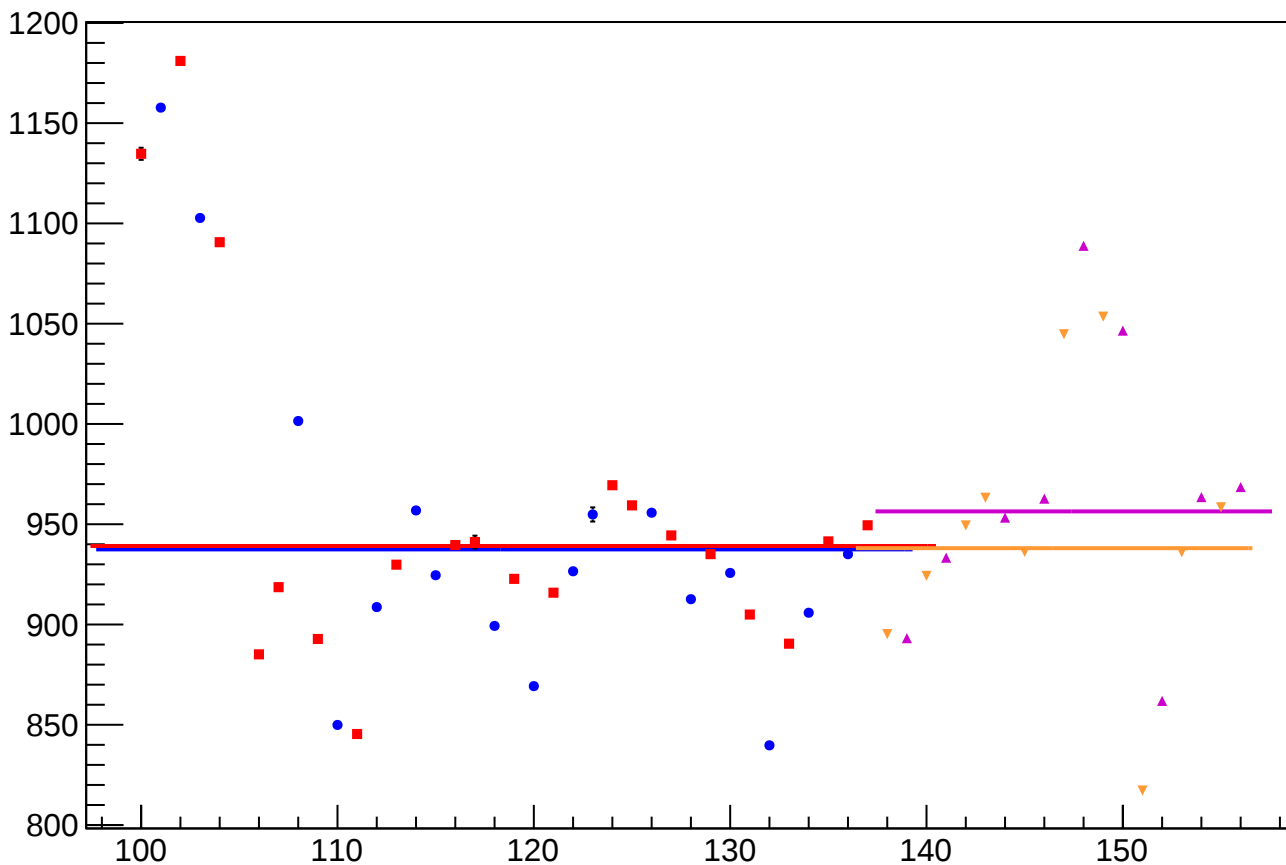
Right Out: -10.459 ± 0.351 $\chi^2/\text{NDF}: 18230.6/19$

Left In: -84.768 ± 0.354 $\chi^2/\text{NDF}: 4737.2/8$

-38.984 ± 0.250 $\chi^2/\text{NDF}: 28994.5/26$

-47.282 ± 0.249 $\chi^2/\text{NDF}: 45144.6/28$

diff_bpm1i02X_rms vs Slug



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

Left Out: 938.061 $\pm$ 0.245 χ^2 /NDF: 76230.8/9

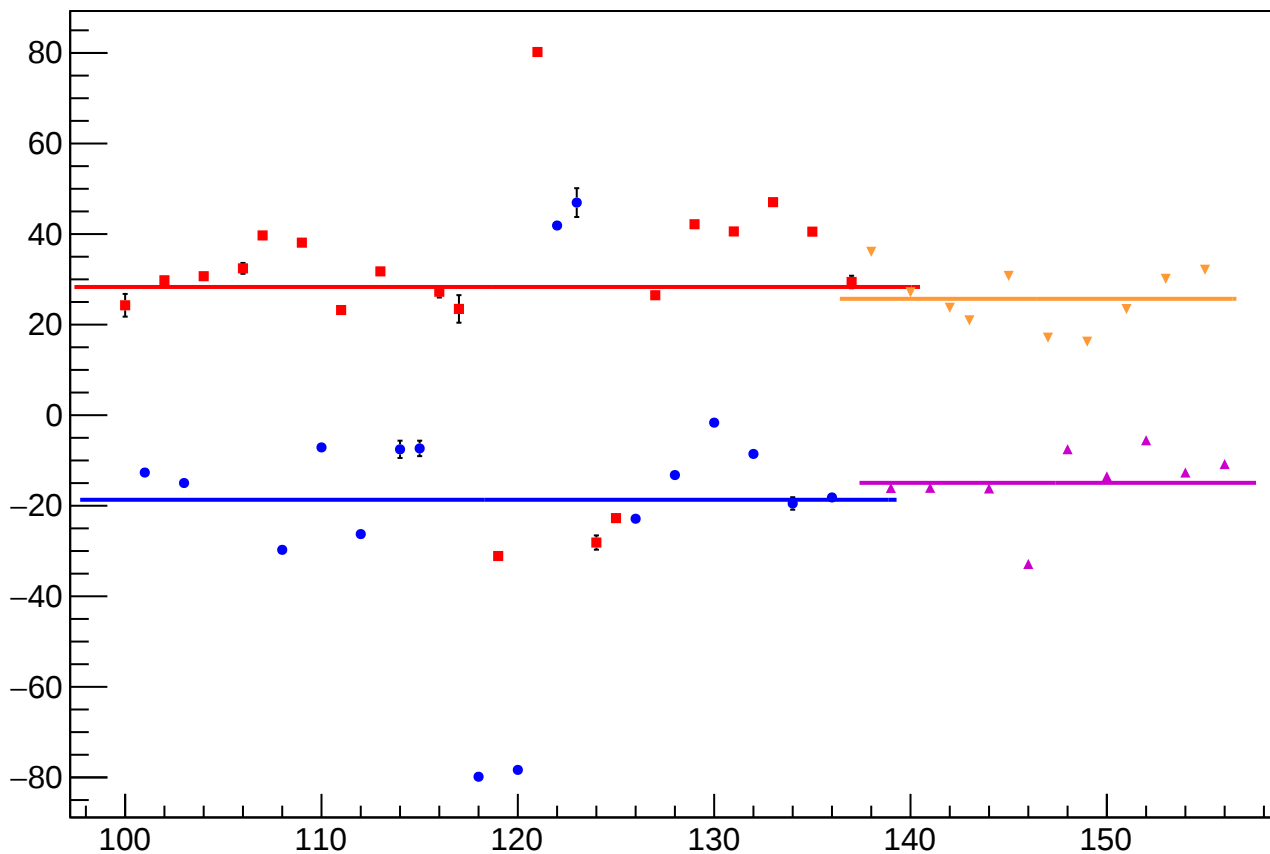
Right Out: 939.152 $\pm$ 0.248 χ^2 /NDF: 90253.6/19

Left In: 956.395 $\pm$ 0.251 χ^2 /NDF: 64849.0/8

937.771 $\pm$ 0.177 χ^2 /NDF: 174541.4/26

947.696 $\pm$ 0.176 χ^2 /NDF: 157491.0/28

diff_bpm1i02Y_mean vs Slug



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

Left Out: 25.703 ± 0.252 $\chi^2/\text{NDF}: 635.6/9$

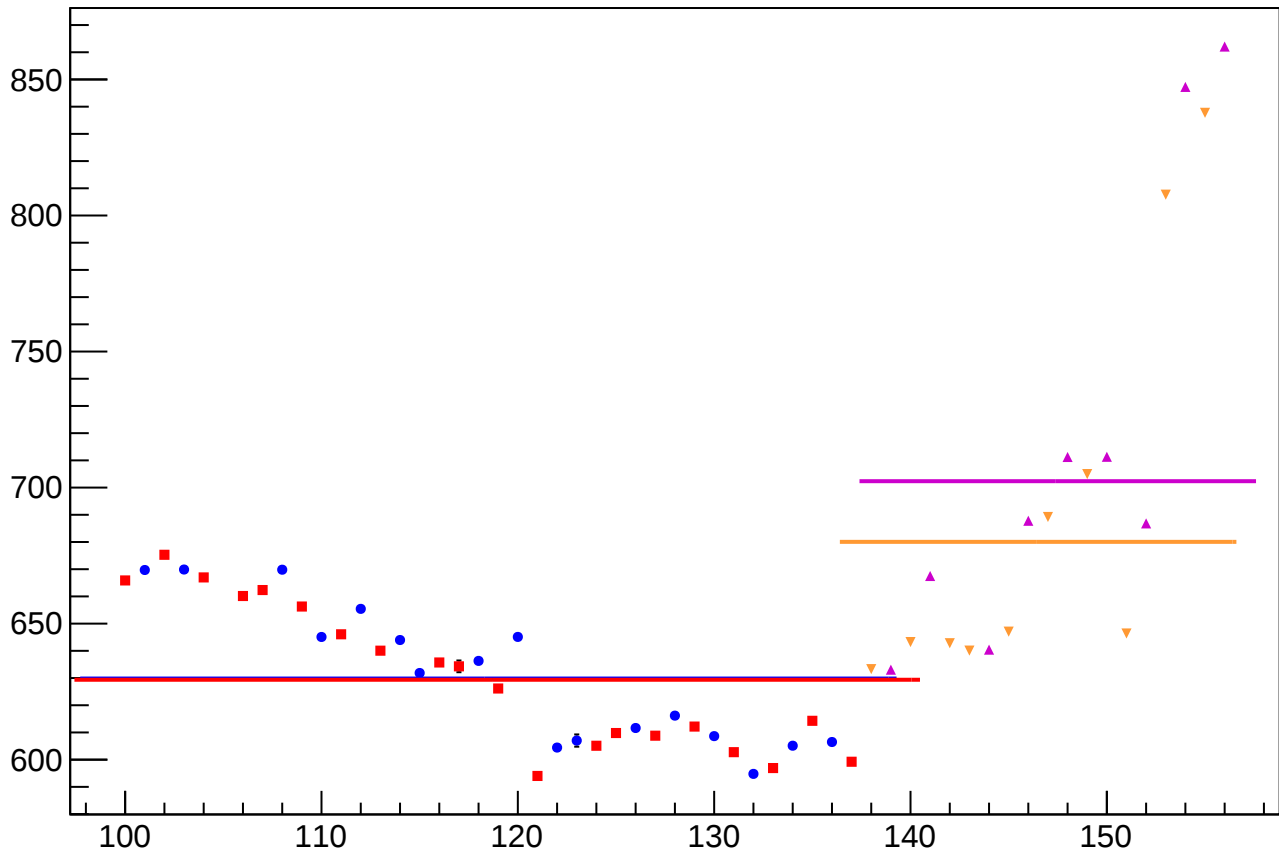
Right Out: 28.318 ± 0.235 $\chi^2/\text{NDF}: 12510.6/19$

Left In: -14.943 ± 0.261 $\chi^2/\text{NDF}: 829.8/8$

2.695 ± 0.175 $\chi^2/\text{NDF}: 29756.5/26$

8.989 ± 0.175 $\chi^2/\text{NDF}: 28512.9/28$

diff_bpm1i02Y_rms vs Slug



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

Left Out: 680.055+/-0.178 χ^2/NDF : 126975.8/9

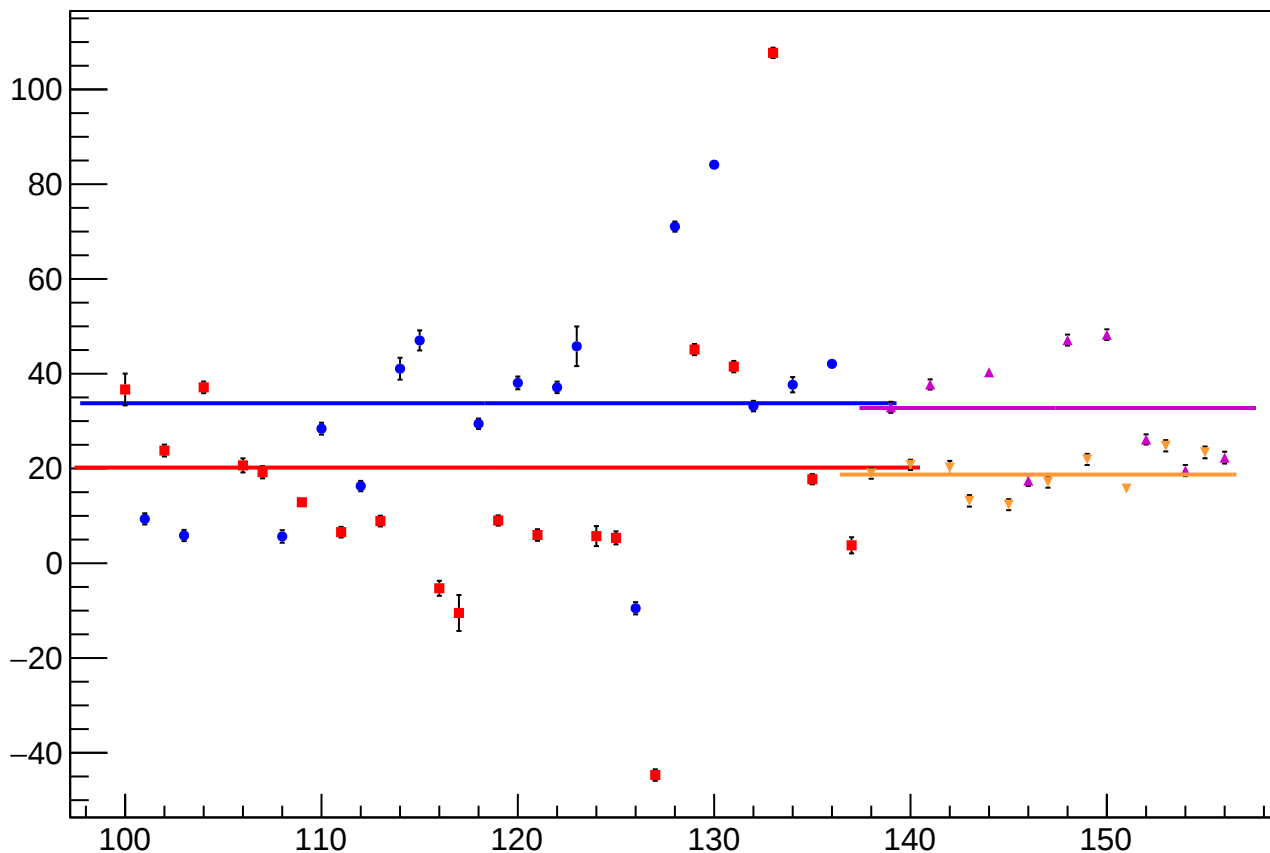
Right Out: 629.370+/-0.166 χ^2/NDF : 25543.7/19

Left In: 702.348+/-0.185 χ^2/NDF : 141214.3/8

654.013+/-0.124 χ^2/NDF : 191566.7/26

661.976+/-0.123 χ^2/NDF : 253114.7/28

diff_bpm1i04X_mean vs Slug



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

Left Out: 18.718 ± 0.372 χ^2/NDF : 112.7/9

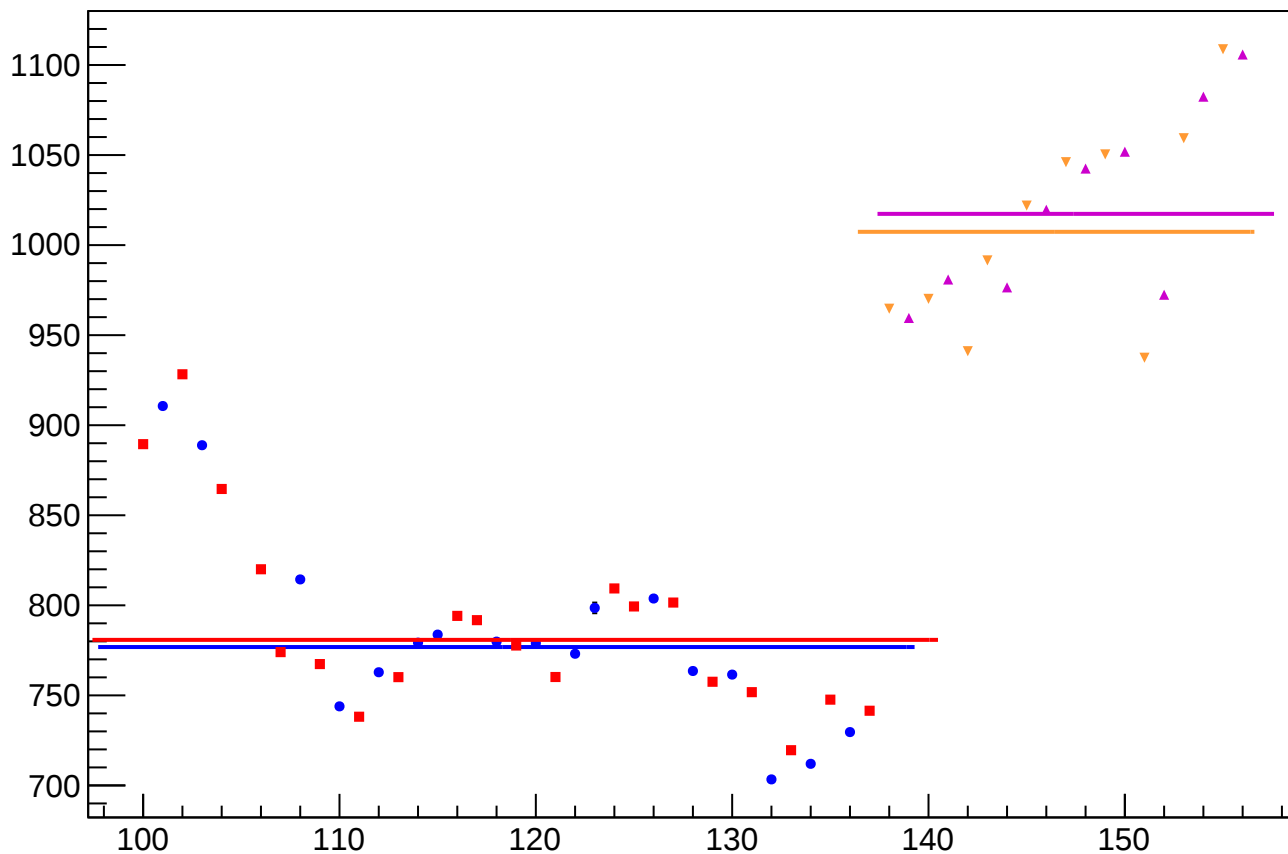
Right Out: 20.193 ± 0.292 χ^2/NDF : 11353.3/19

Left In: 32.770 ± 0.377 χ^2/NDF : 829.8/8

27.833 ± 0.233 χ^2/NDF : 7594.9/26

24.907 ± 0.231 χ^2/NDF : 12880.1/28

diff_bpm1i04X_rms vs Slug



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

Left Out: 1007.380 $\pm$ 0.263 χ^2 /NDF: 41001.8/9

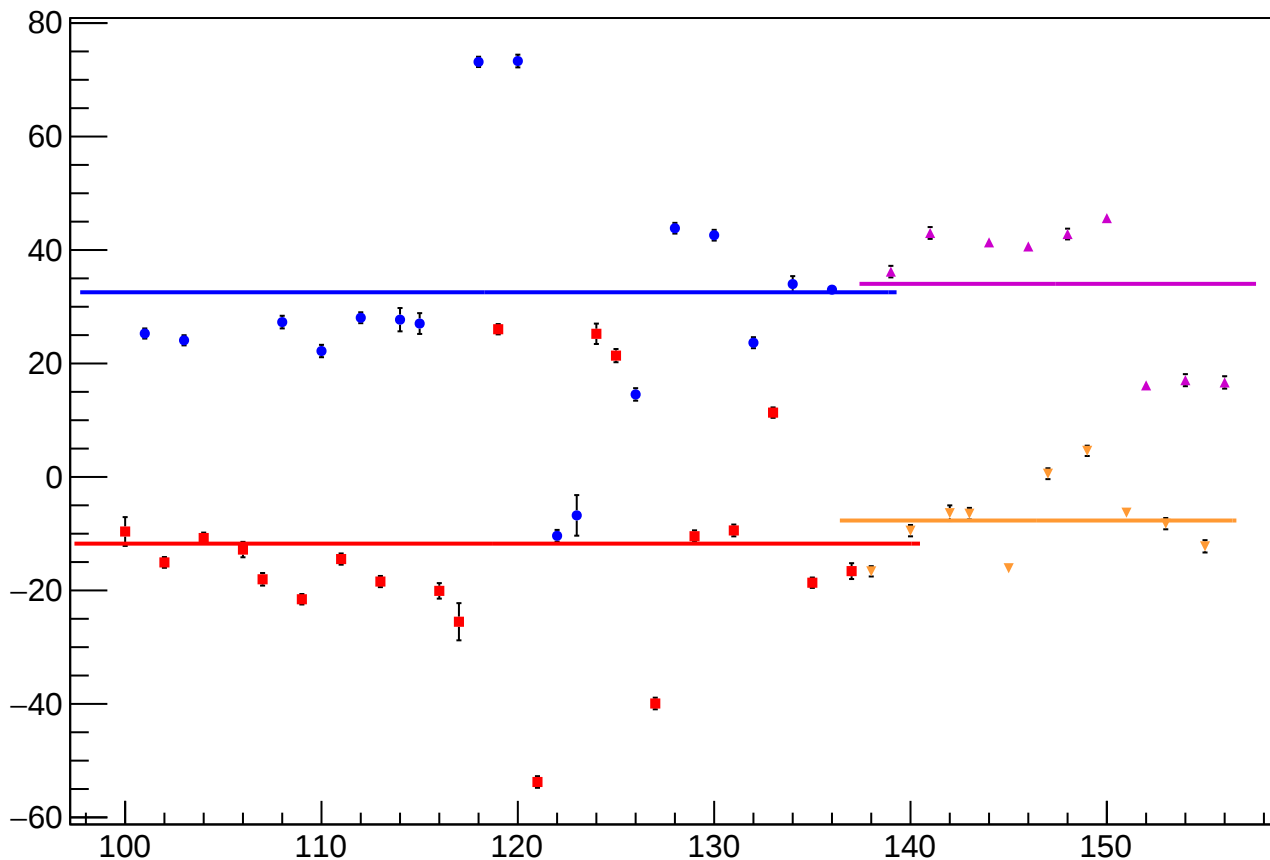
Right Out: 780.820 $\pm$ 0.206 χ^2 /NDF: 57445.6/19

Left In: 1017.347 $\pm$ 0.266 χ^2 /NDF: 32633.6/8

867.795 $\pm$ 0.165 χ^2 /NDF: 574800.9/26

869.481 $\pm$ 0.163 χ^2 /NDF: 583132.4/28

diff_bpm1i04Y_mean vs Slug



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

Left Out: -7.678+/-0.307 χ^2 /NDF:469.2/9

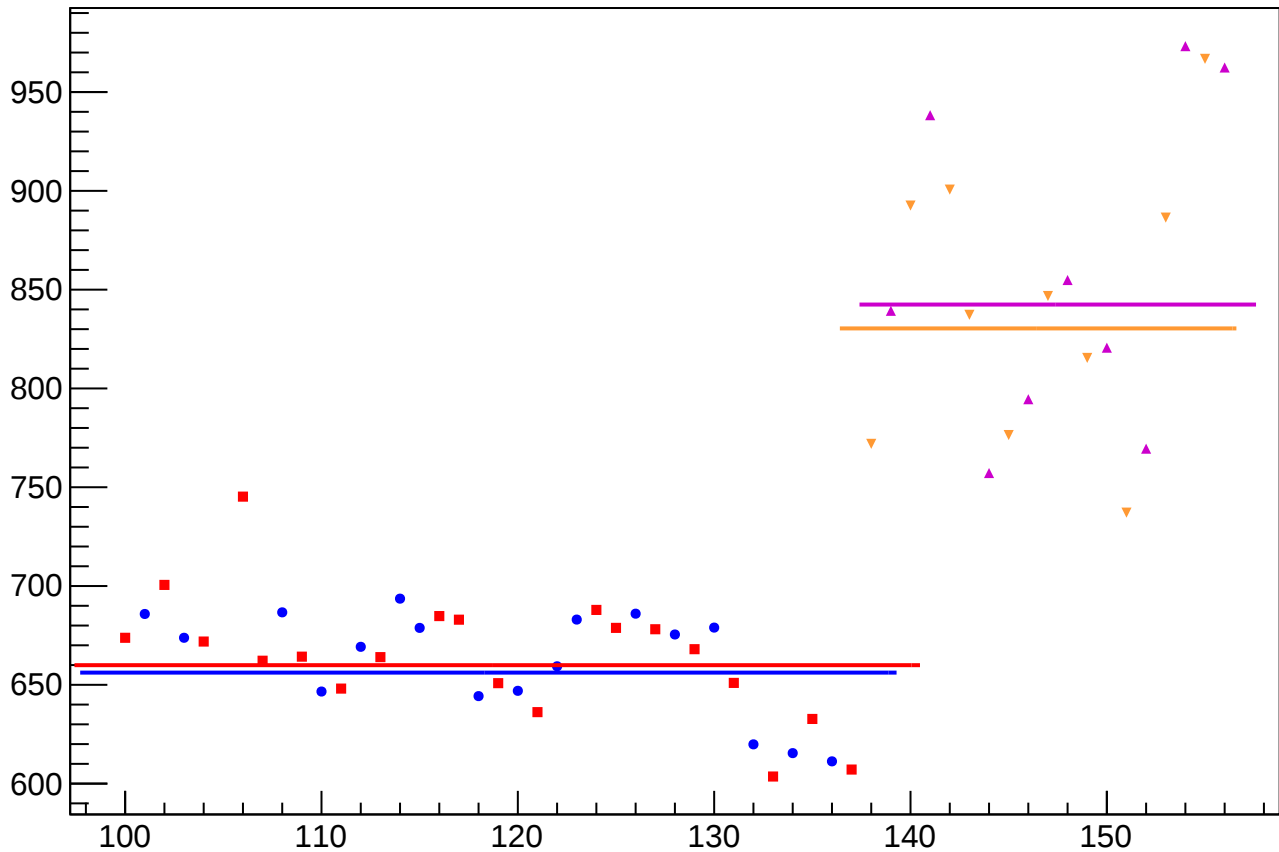
Right Out: -11.752+/-0.246 χ^2 /NDF: 6375.4/19

Left In: 34.037+/-0.314 χ^2 /NDF:1418.2/8

16.323+/-0.195 χ^2 /NDF: 16753.7/26

5.672+/-0.194 χ^2 /NDF: 20945.8/28

diff_bpm1i04Y_rms vs Slug



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

Left Out: 830.380+/-0.217 χ^2/NDF : 93244.2/9

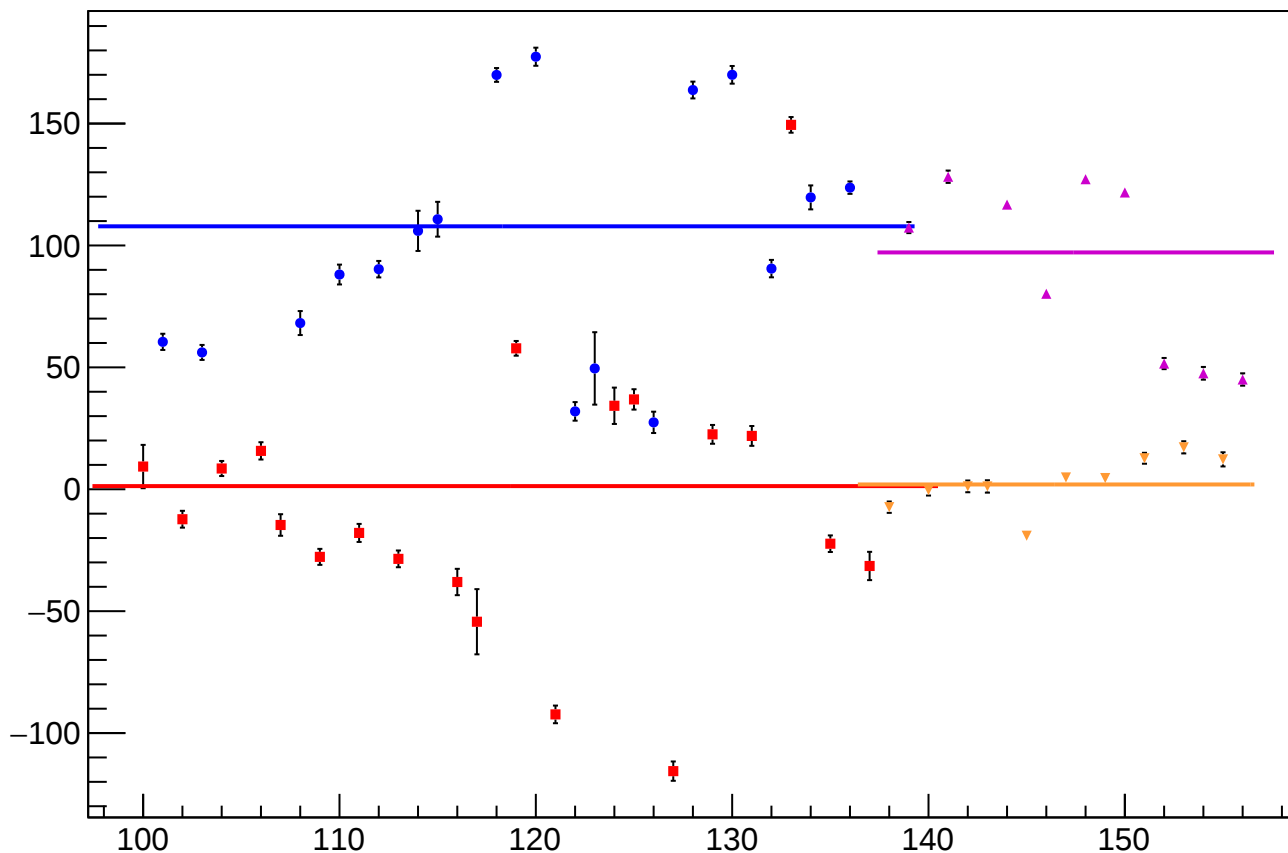
Right Out: 659.944+/-0.174 χ^2/NDF : 28425.0/19

Left In: 842.459+/-0.222 χ^2/NDF : 114650.6/8

726.456+/-0.138 χ^2/NDF : 499733.5/26

729.396+/-0.137 χ^2/NDF : 561012.5/28

diff_bpm1i06X_mean vs Slug



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

Left Out: 1.971 ± 0.692 $\chi^2/\text{NDF}: 202.7/9$

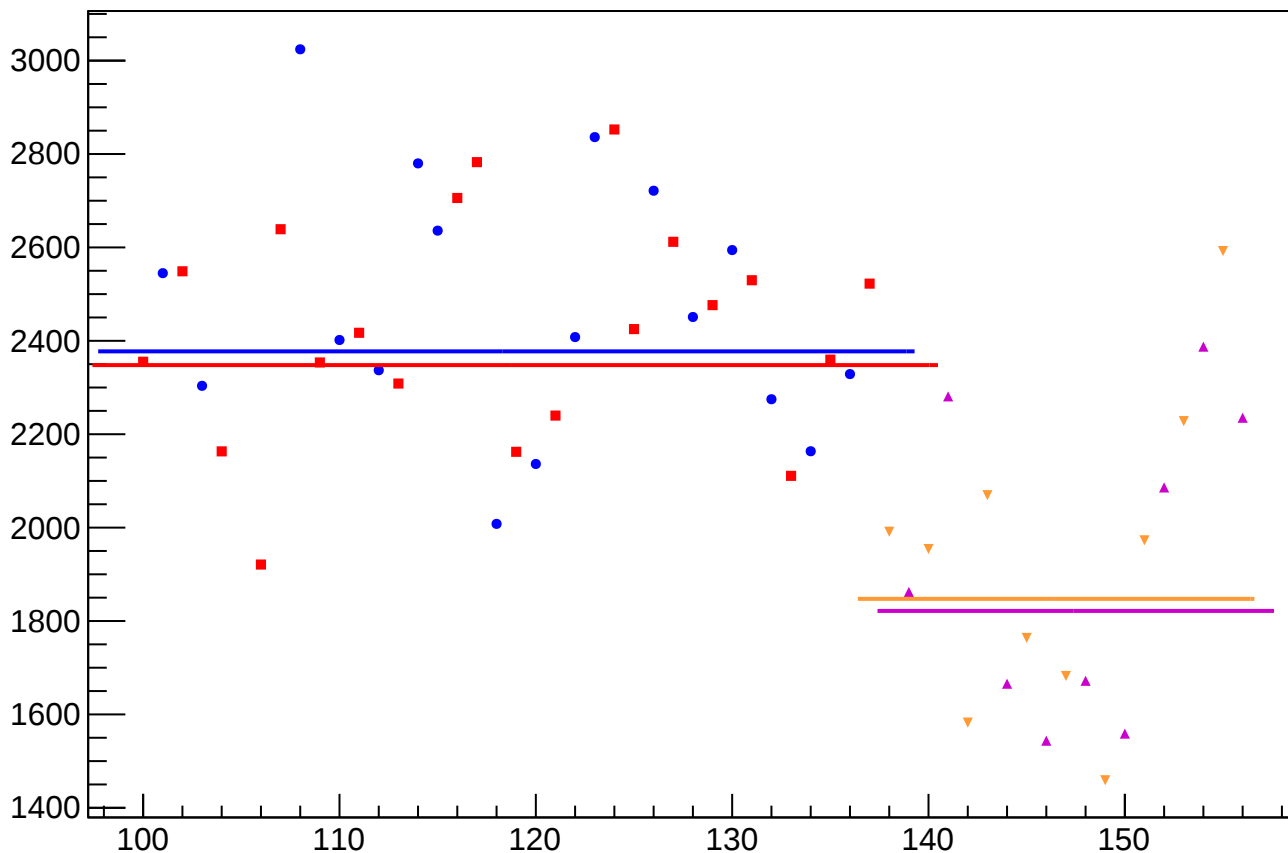
Right Out: 1.299 ± 0.881 $\chi^2/\text{NDF}: 4541.1/19$

Left In: 97.141 ± 0.687 $\chi^2/\text{NDF}: 2027.5/8$

40.165 ± 0.553 $\chi^2/\text{NDF}: 11450.8/26$

60.916 ± 0.542 $\chi^2/\text{NDF}: 13923.7/28$

diff_bpm1i06X_rms vs Slug



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

Left Out: 1847.465+/-0.489 χ^2/NDF : 367013.9/9

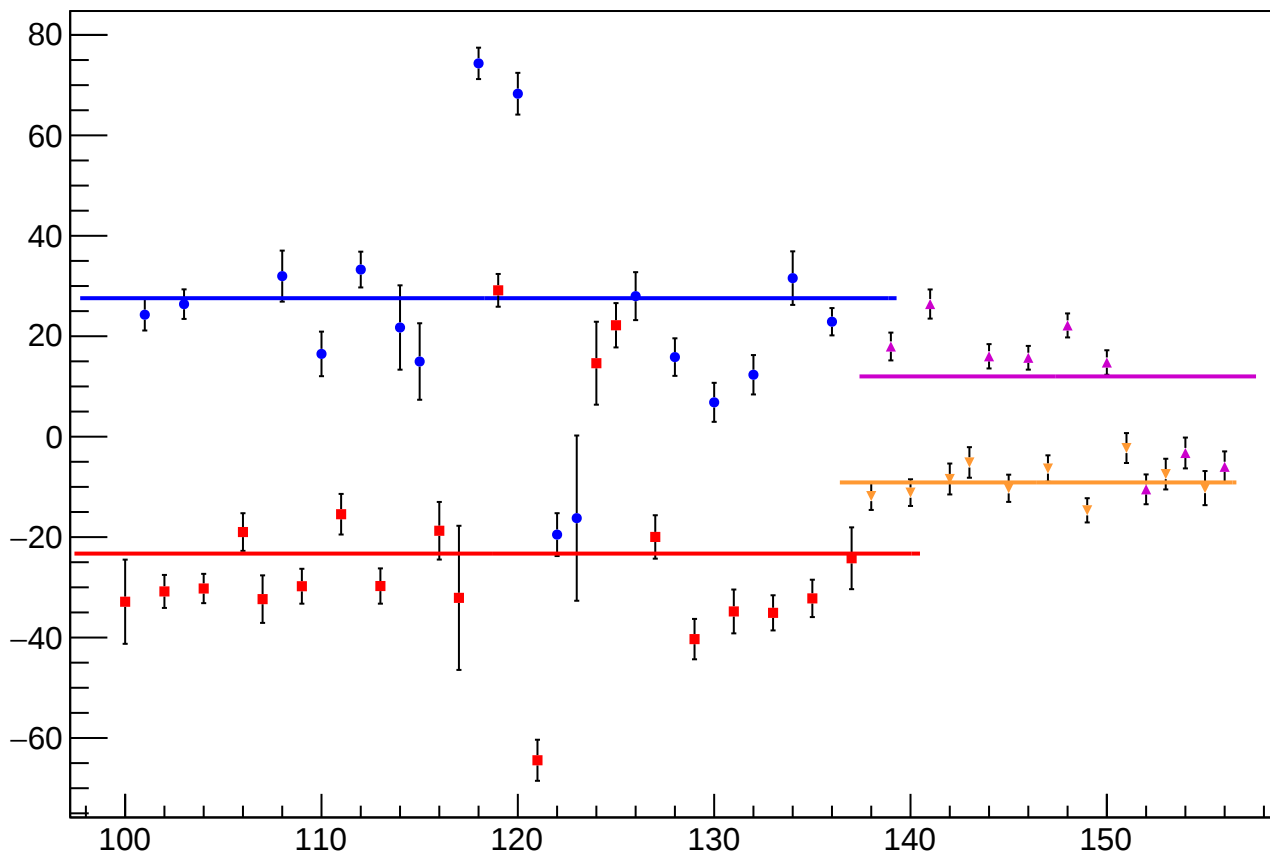
Right Out: 2348.017+/-0.623 χ^2/NDF : 110379.6/19

Left In: 1821.627+/-0.486 χ^2/NDF : 369246.8/8

2038.635+/-0.391 χ^2/NDF : 909501.6/26

2020.587+/-0.383 χ^2/NDF : 923360.1/28

diff_bpm1i06Y_mean vs Slug



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

Left Out: -9.113+/-0.896 χ^2/NDF : 15.6/9

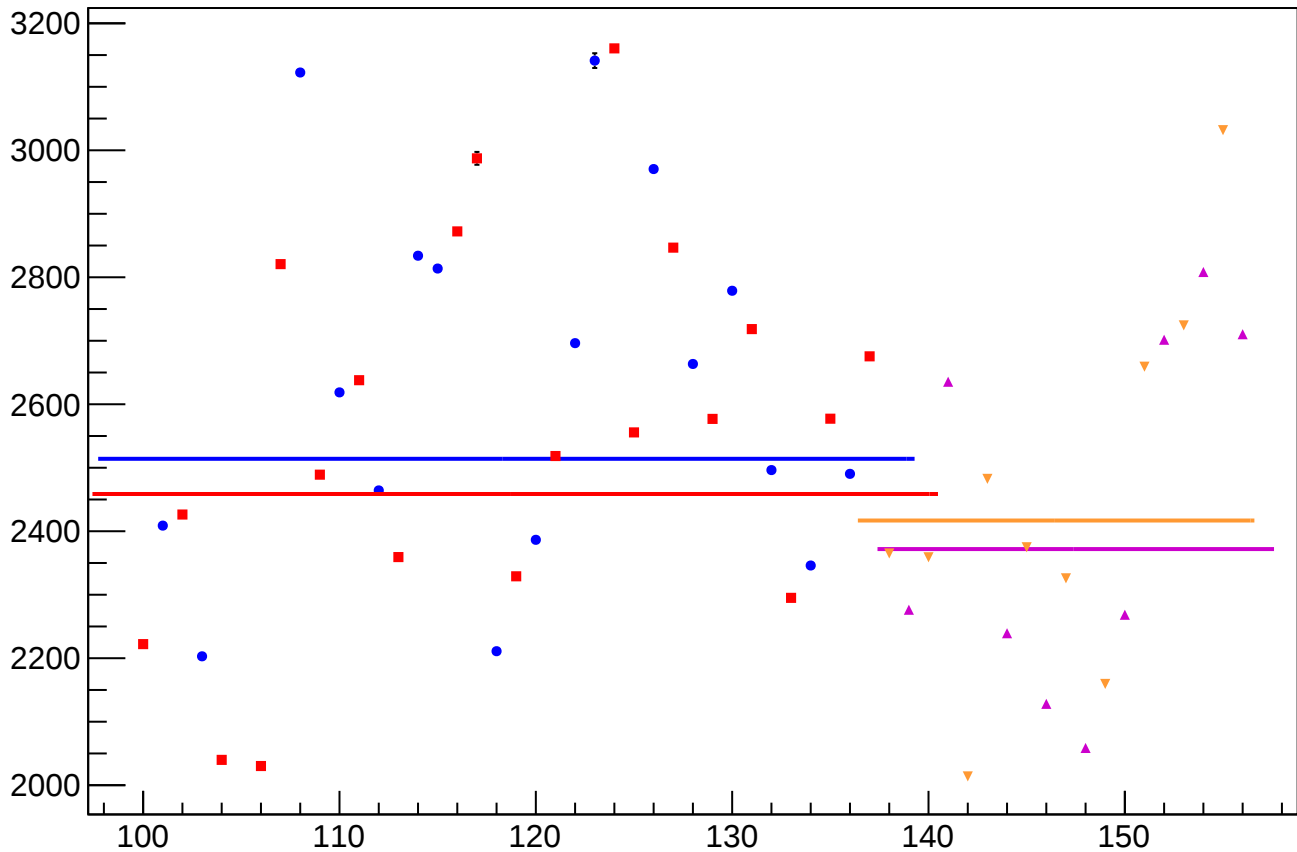
Right Out: -23.280+/-0.925 χ^2/NDF : 558.2/19

Left In: 11.999+/-0.888 χ^2/NDF : 170.1/8

7.697+/-0.660 χ^2/NDF : 1302.8/26

-4.929+/-0.641 χ^2/NDF : 1484.9/28

diff_bpm1i06Y_rms vs Slug



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

Left Out: 2416.894+/-0.634 χ^2/NDF :161475.6/9

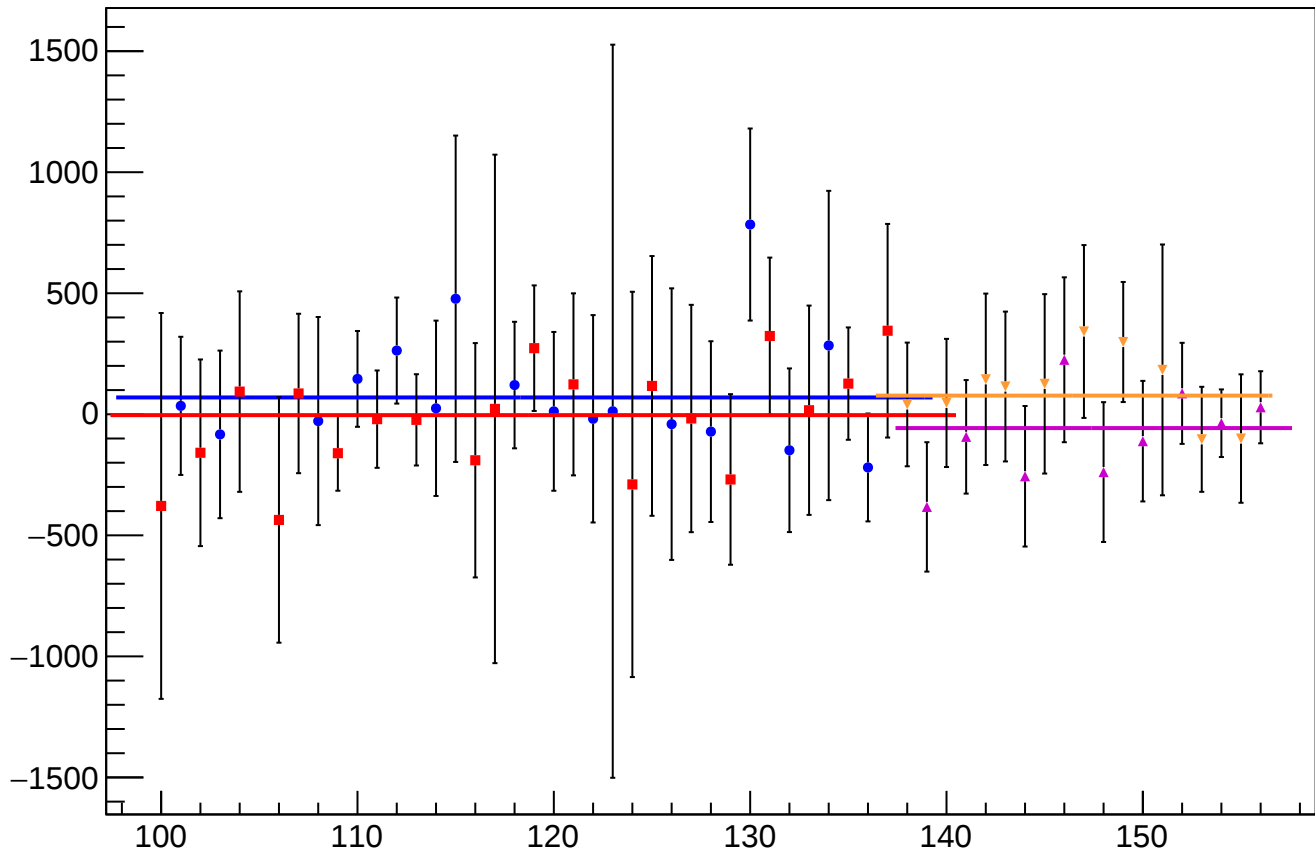
Right Out: 2458.665+/-0.654 χ^2/NDF : 152458.1/19

Left In: 2371.918+/-0.628 χ^2/NDF :173364.5/8

2461.425+/-0.467 χ^2/NDF : 293210.8/26

2413.542+/-0.453 χ^2/NDF : 334970.8/28

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



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

Left Out: 77.242 $\pm$ 91.829 χ^2/NDF : 2.6/9

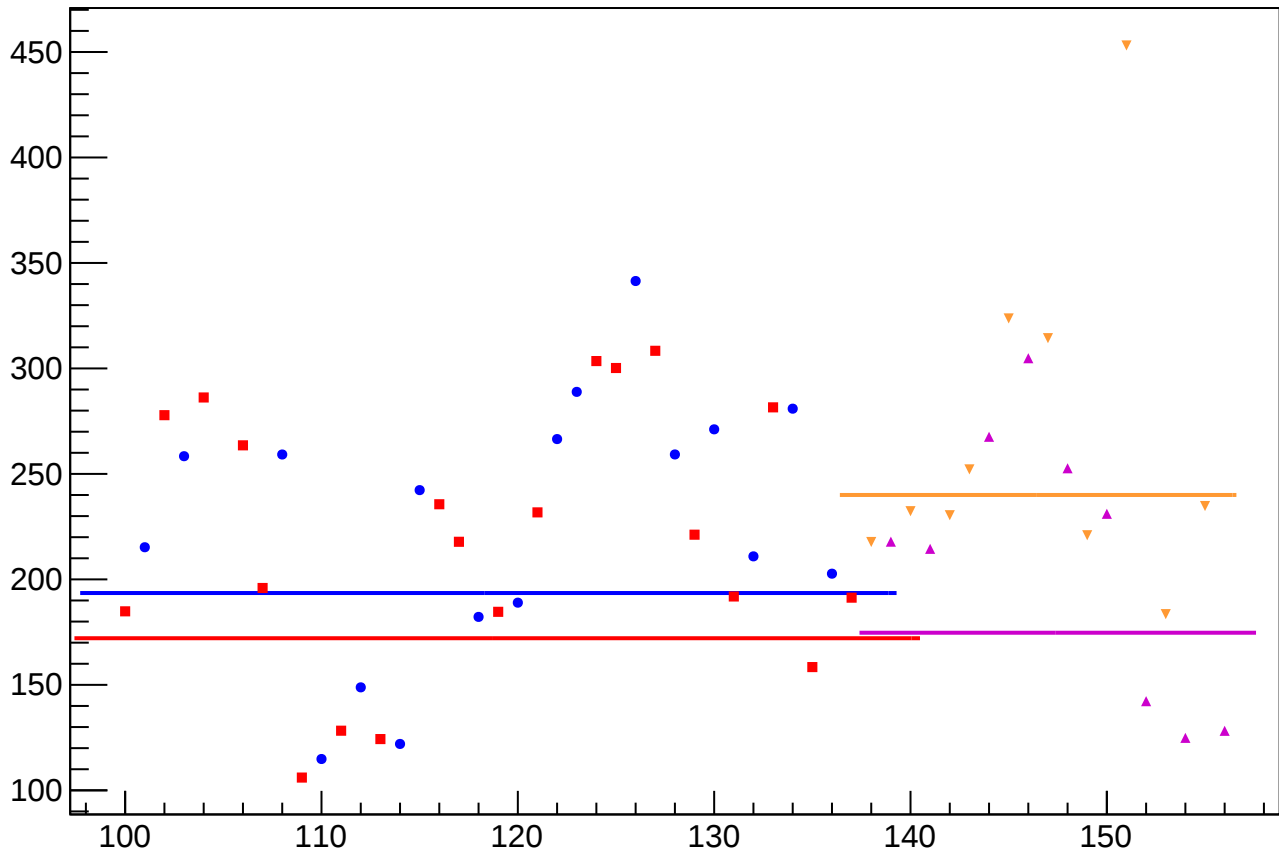
Right Out: -3.448 $\pm$ 69.825 χ^2/NDF : 6.4/19

Left In: -56.920 $\pm$ 70.688 χ^2/NDF : 3.9/8

72.844 $\pm$ 59.898 χ^2/NDF : 10.0/26

-29.855 $\pm$ 49.676 χ^2/NDF : 10.6/28

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: 240.016 +/- 0.065 χ^2/NDF : 696912.7/9

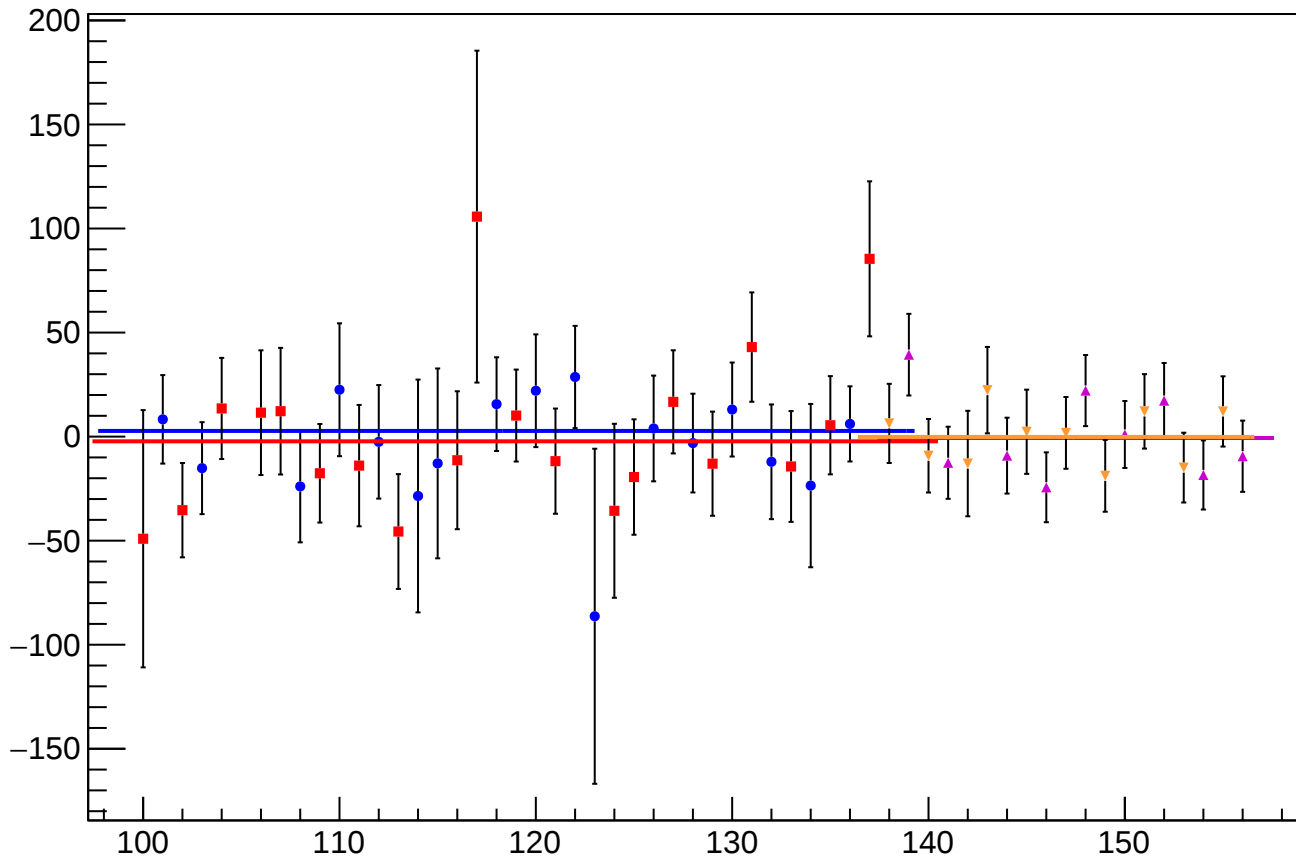
Right Out: 172.104 +/- 0.049 χ^2/NDF : 1580690.9/19

Left In: 174.711 +/- 0.050 χ^2/NDF : 1352852.0/8

213.310 +/- 0.042 χ^2/NDF : 2001771.6/26

173.391 +/- 0.035 χ^2/NDF : 2934919.9/28

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: -0.145 $\pm$ 5.853 χ^2 /NDF: 4.8/9

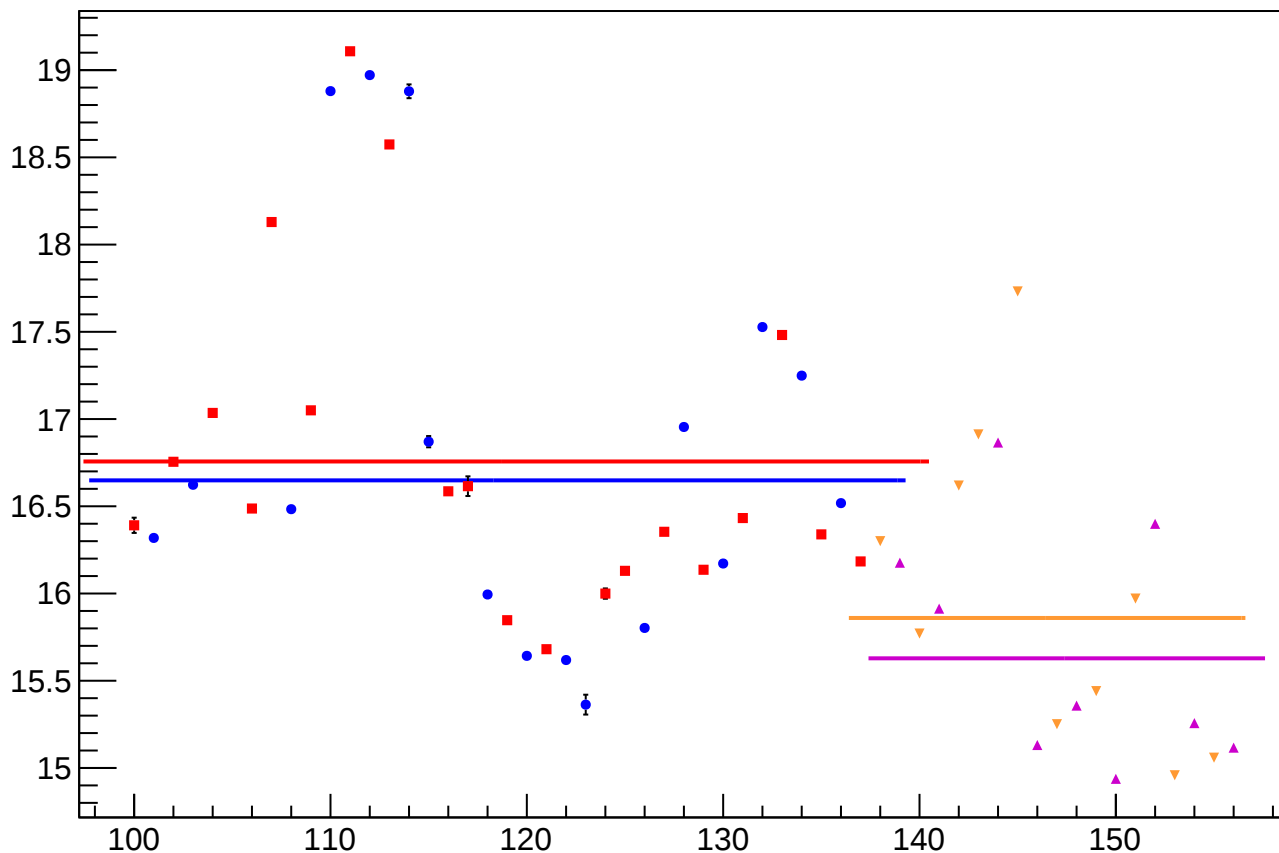
Right Out: -2.259 $\pm$ 6.259 χ^2 /NDF: 19.6/19

Left In: -0.658 $\pm$ 5.786 χ^2 /NDF: 11.0/8

1.160 $\pm$ 4.327 χ^2 /NDF: 11.7/26

-1.396 $\pm$ 4.249 χ^2 /NDF: 30.7/28

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: 15.860 $\pm$ 0.004 χ^2 /NDF: 39203.5/9

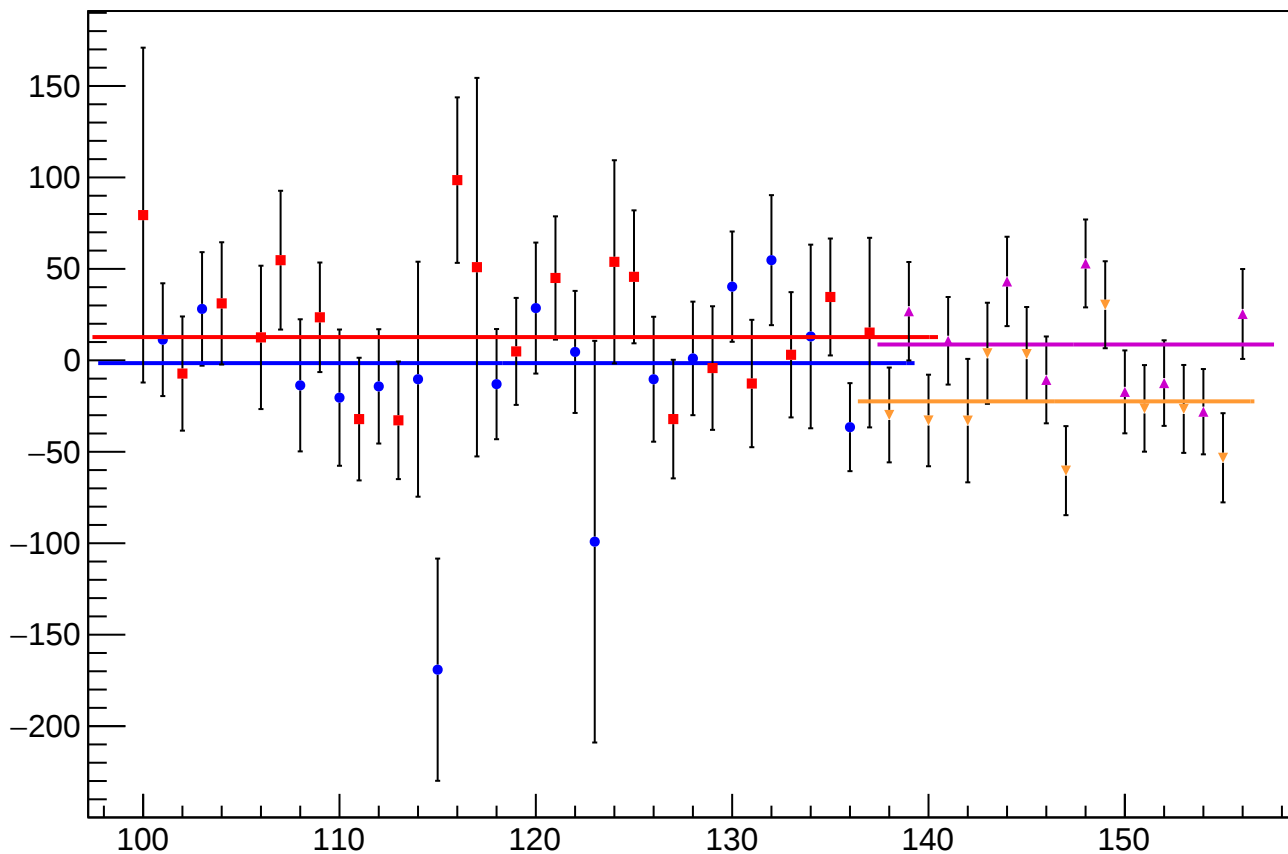
Right Out: 16.757 $\pm$ 0.004 χ^2 /NDF: 39957.1/19

Left In: 15.628 $\pm$ 0.004 χ^2 /NDF: 23675.8/8

16.218 $\pm$ 0.003 χ^2 /NDF: 98244.3/26

16.148 $\pm$ 0.003 χ^2 /NDF: 98681.9/28

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.523 $\pm$ 8.485 χ^2/NDF : 17.6/16

Left Out: -22.425 $\pm$ 8.049 χ^2/NDF : 11.3/9

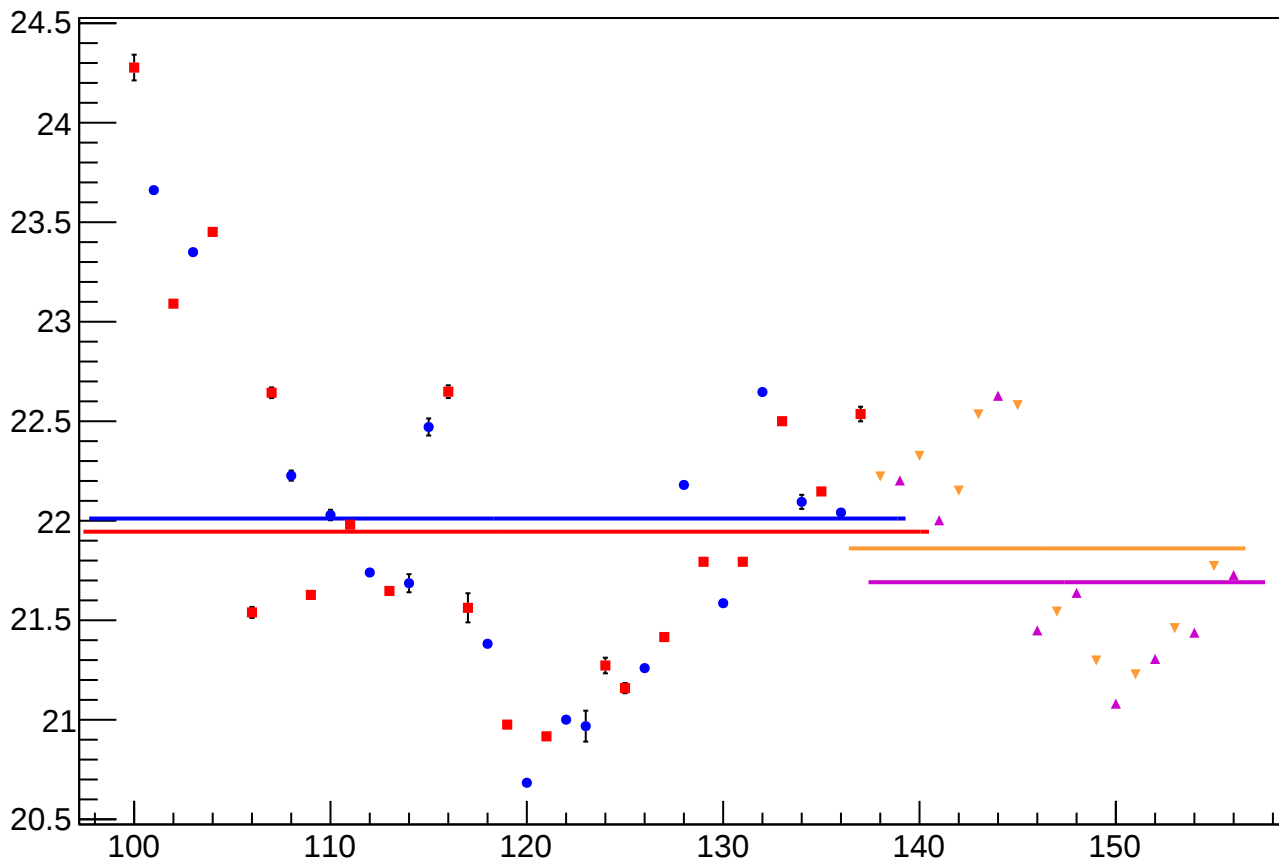
Right Out: 12.716 $\pm$ 8.185 χ^2/NDF : 15.7/19

Left In: 8.662 $\pm$ 8.014 χ^2/NDF : 11.6/8

-12.525 $\pm$ 5.840 χ^2/NDF : 32.1/26

10.646 $\pm$ 5.726 χ^2/NDF : 27.4/28

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



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

Left Out: 21.861 ± 0.006 $\chi^2/\text{NDF}: 7450.6/9$

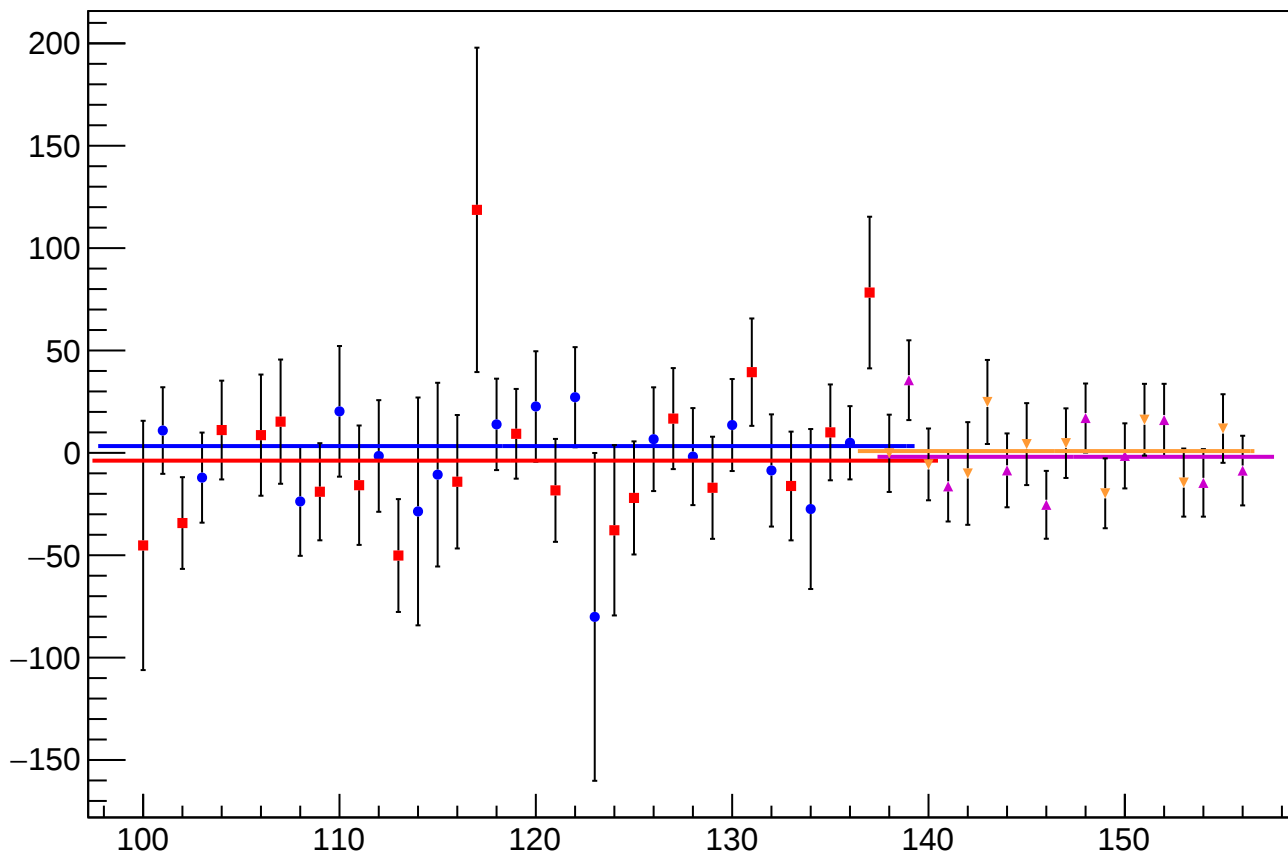
Right Out: 21.945 ± 0.006 $\chi^2/\text{NDF}: 16620.2/19$

Left In: 21.691 ± 0.006 $\chi^2/\text{NDF}: 6449.0/8$

21.932 ± 0.004 $\chi^2/\text{NDF}: 25327.2/26$

21.815 ± 0.004 $\chi^2/\text{NDF}: 24051.9/28$

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



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

Left Out: 0.866 ± 5.787 χ^2/NDF : 5.3/9

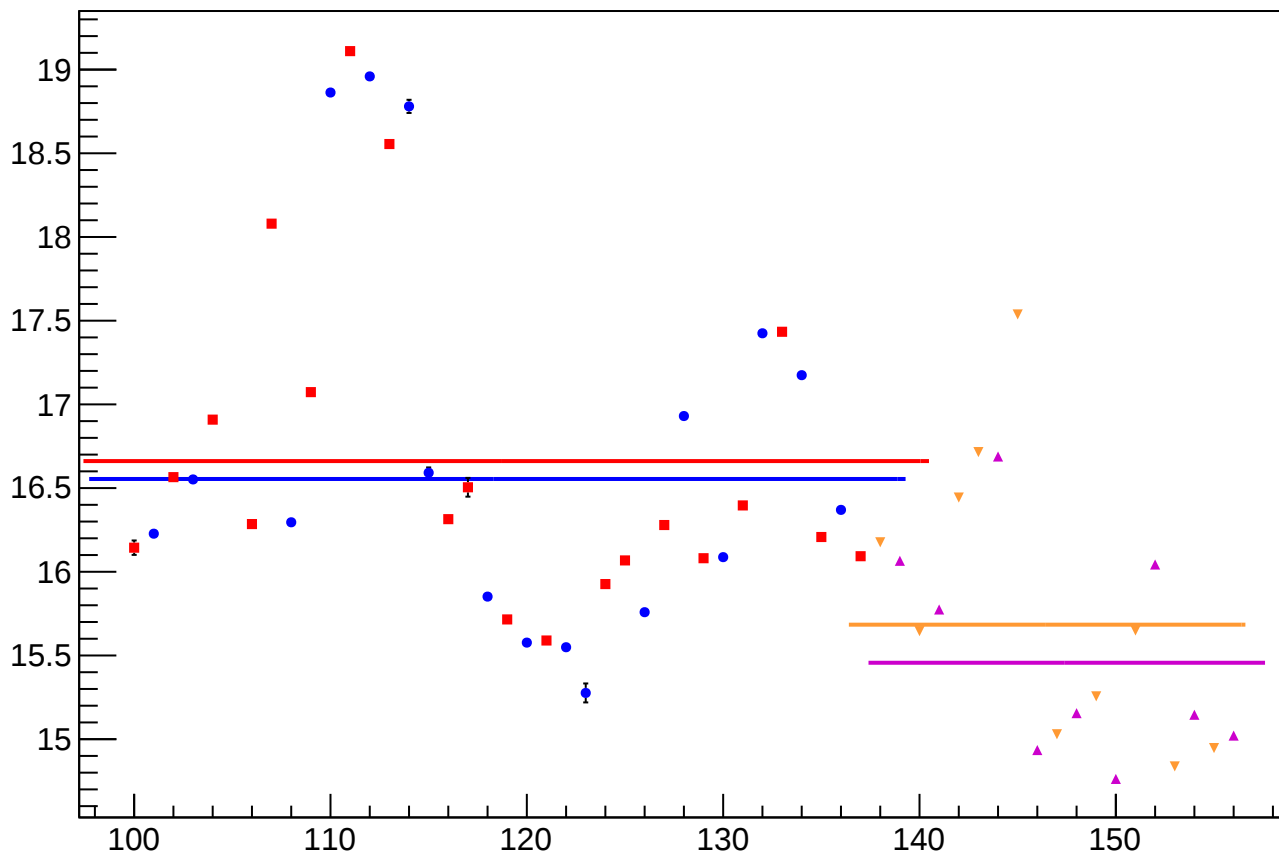
Right Out: -3.800 ± 6.224 χ^2/NDF : 20.1/19

Left In: -1.927 ± 5.721 χ^2/NDF : 9.6/8

1.971 ± 4.289 χ^2/NDF : 11.6/26

-2.785 ± 4.212 χ^2/NDF : 29.8/28

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: 15.684+/-0.004 χ^2/NDF : 38695.8/9

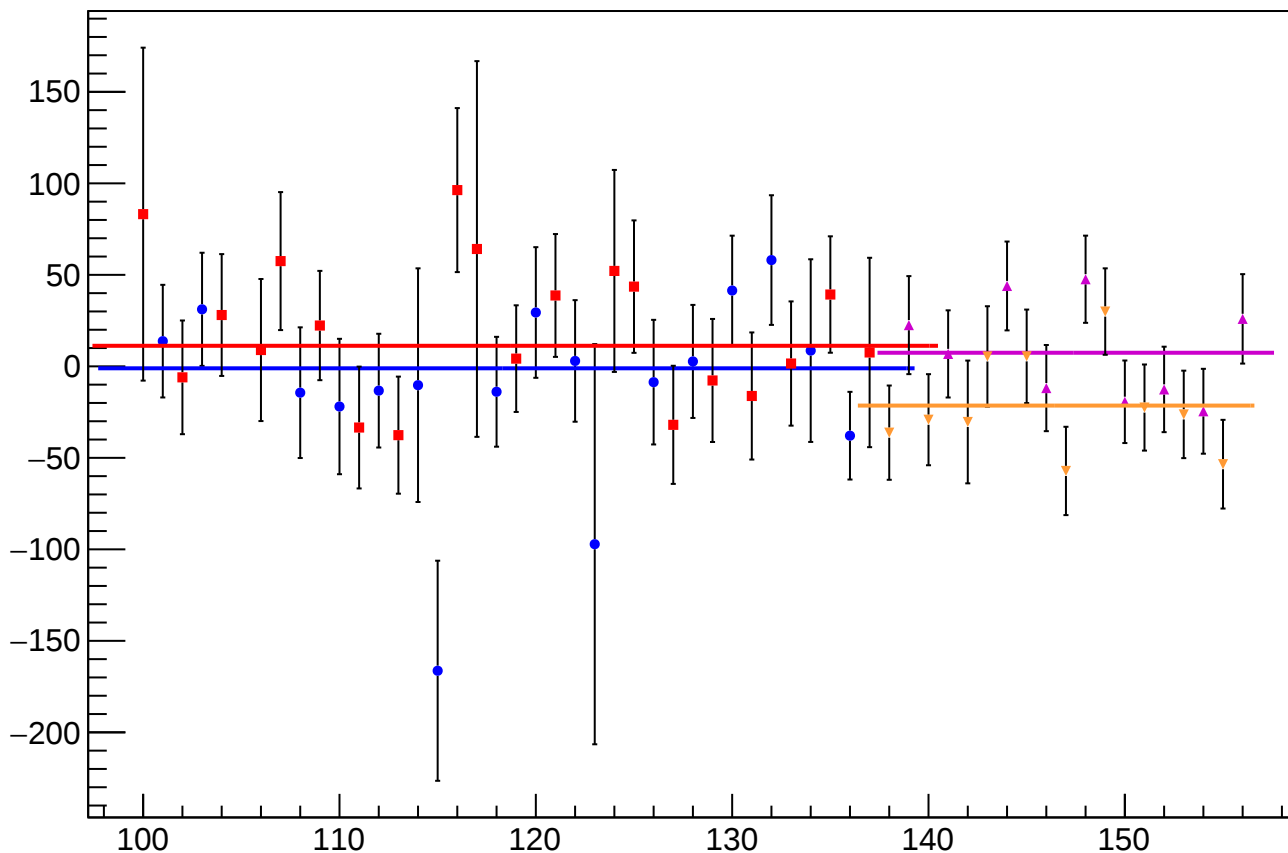
Right Out: 16.661+/-0.004 χ^2/NDF : 43071.4/19

Left In: 15.457+/-0.004 χ^2/NDF : 22627.8/8

16.076+/-0.003 χ^2/NDF : 103557.7/26

16.008+/-0.003 χ^2/NDF : 106317.7/28

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



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

Left Out: -21.438 ± 7.996 χ^2/NDF : 11.3/9

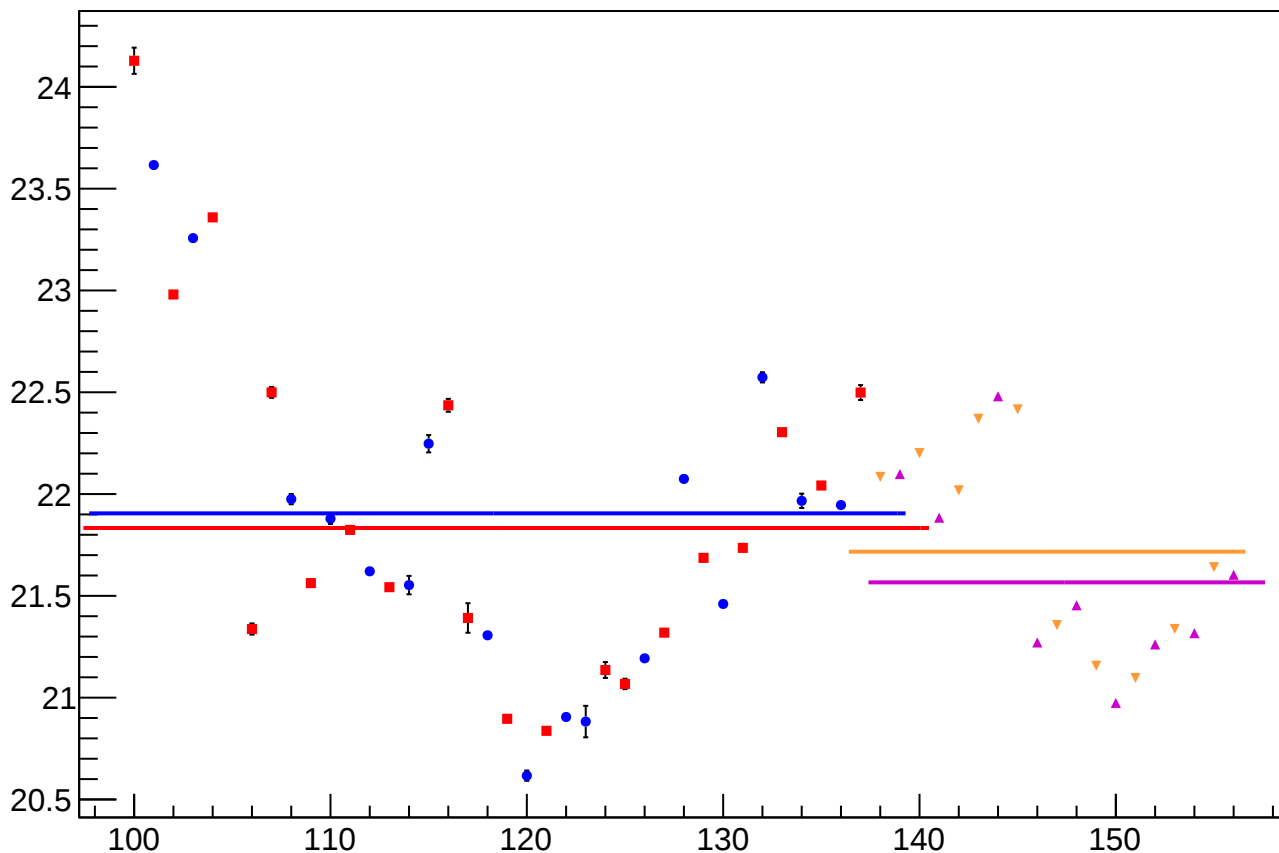
Right Out: 11.235 ± 8.143 χ^2/NDF : 16.5/19

Left In: 7.428 ± 7.967 χ^2/NDF : 10.7/8

-11.808 ± 5.806 χ^2/NDF : 32.8/26

9.290 ± 5.695 χ^2/NDF : 27.3/28

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.905 ± 0.006 $\chi^2/\text{NDF}: 17794.2/16$

Left Out: 21.717 ± 0.006 $\chi^2/\text{NDF}: 7439.7/9$

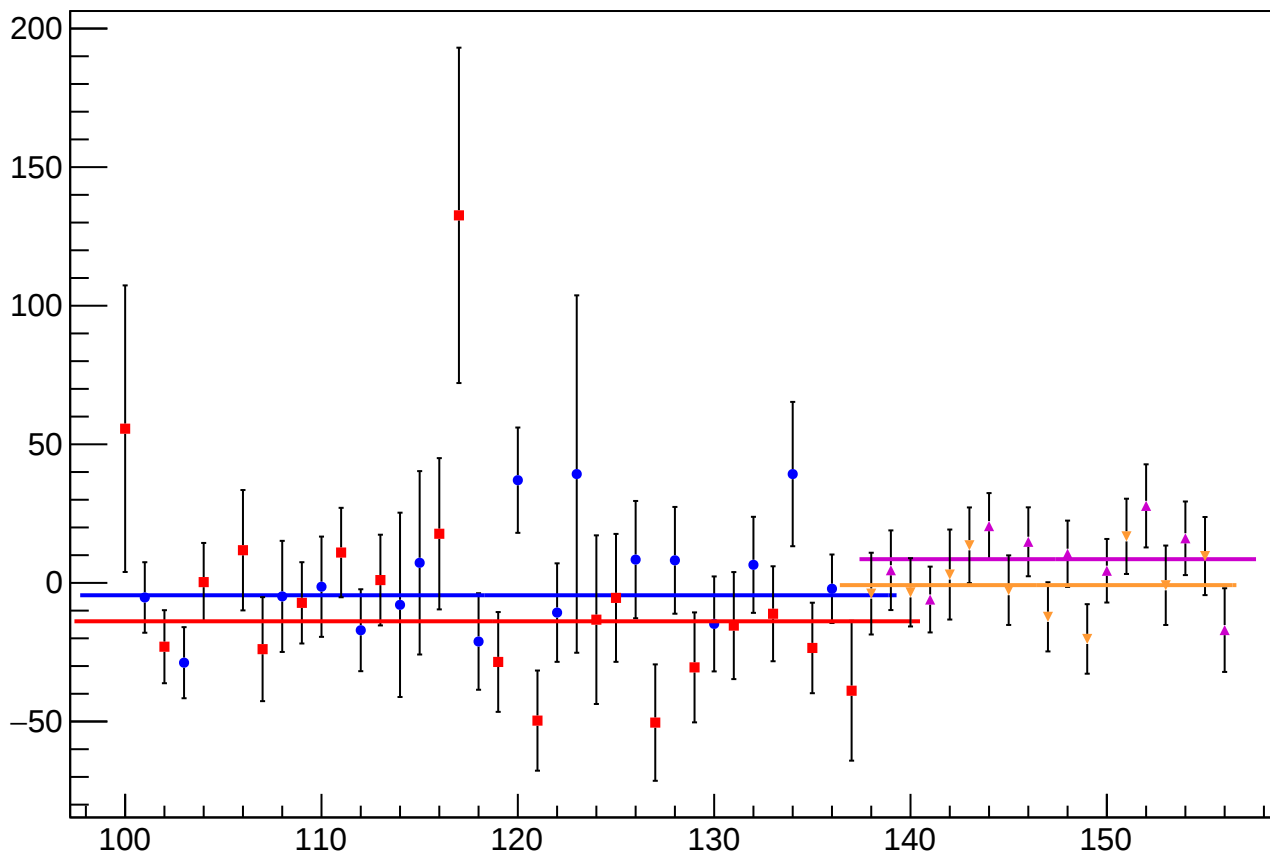
Right Out: 21.833 ± 0.006 $\chi^2/\text{NDF}: 16288.5/19$

Left In: 21.566 ± 0.006 $\chi^2/\text{NDF}: 6295.4/8$

21.806 ± 0.004 $\chi^2/\text{NDF}: 25757.1/26$

21.697 ± 0.004 $\chi^2/\text{NDF}: 23684.2/28$

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



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

Left Out: -0.804 ± 4.272 $\chi^2/\text{NDF}: 6.7/9$

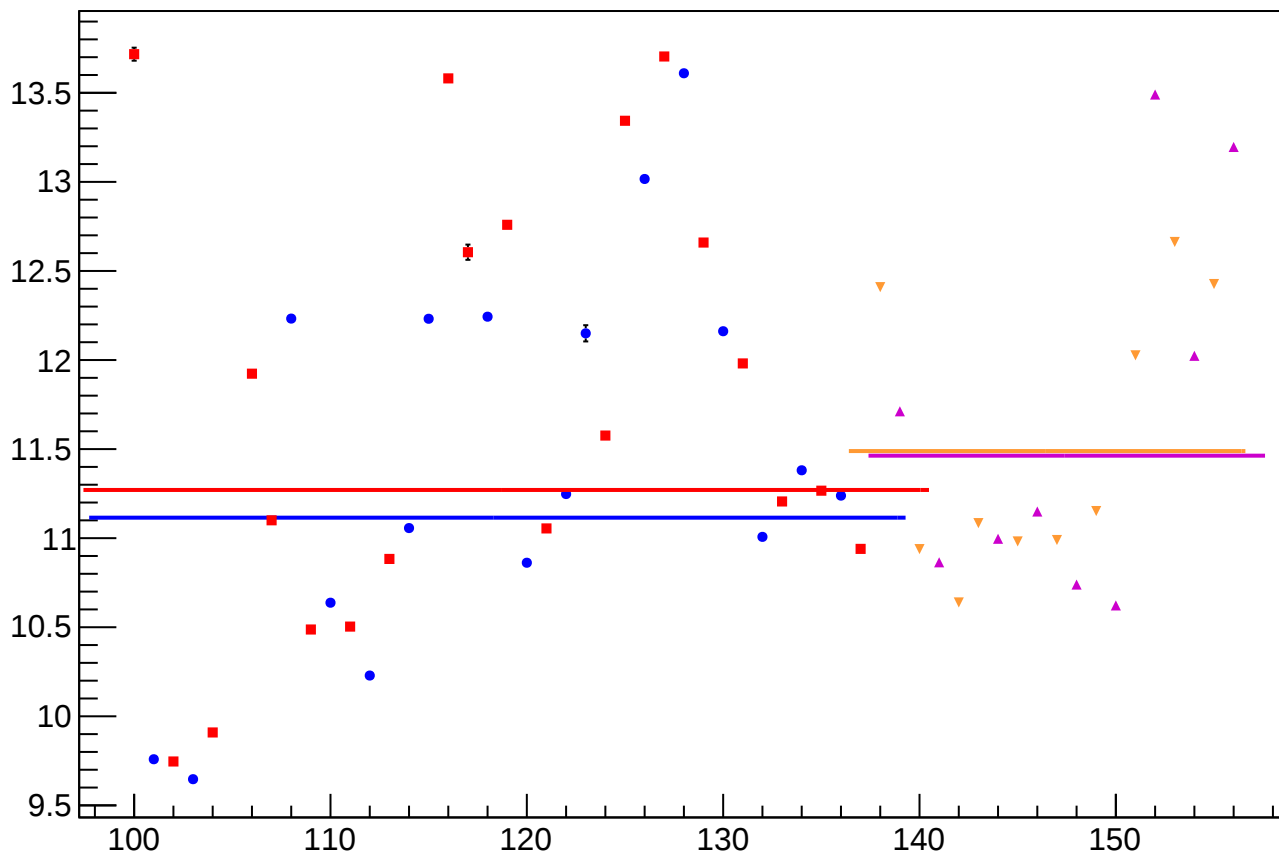
Right Out: -13.851 ± 4.253 $\chi^2/\text{NDF}: 25.4/19$

Left In: 8.558 ± 4.282 $\chi^2/\text{NDF}: 7.8/8$

-2.608 ± 3.041 $\chi^2/\text{NDF}: 22.3/26$

-2.721 ± 3.018 $\chi^2/\text{NDF}: 47.0/28$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.115 ± 0.003 $\chi^2/\text{NDF}: 133059.3/16$

Left Out: 11.489 ± 0.003 $\chi^2/\text{NDF}: 52332.9/9$

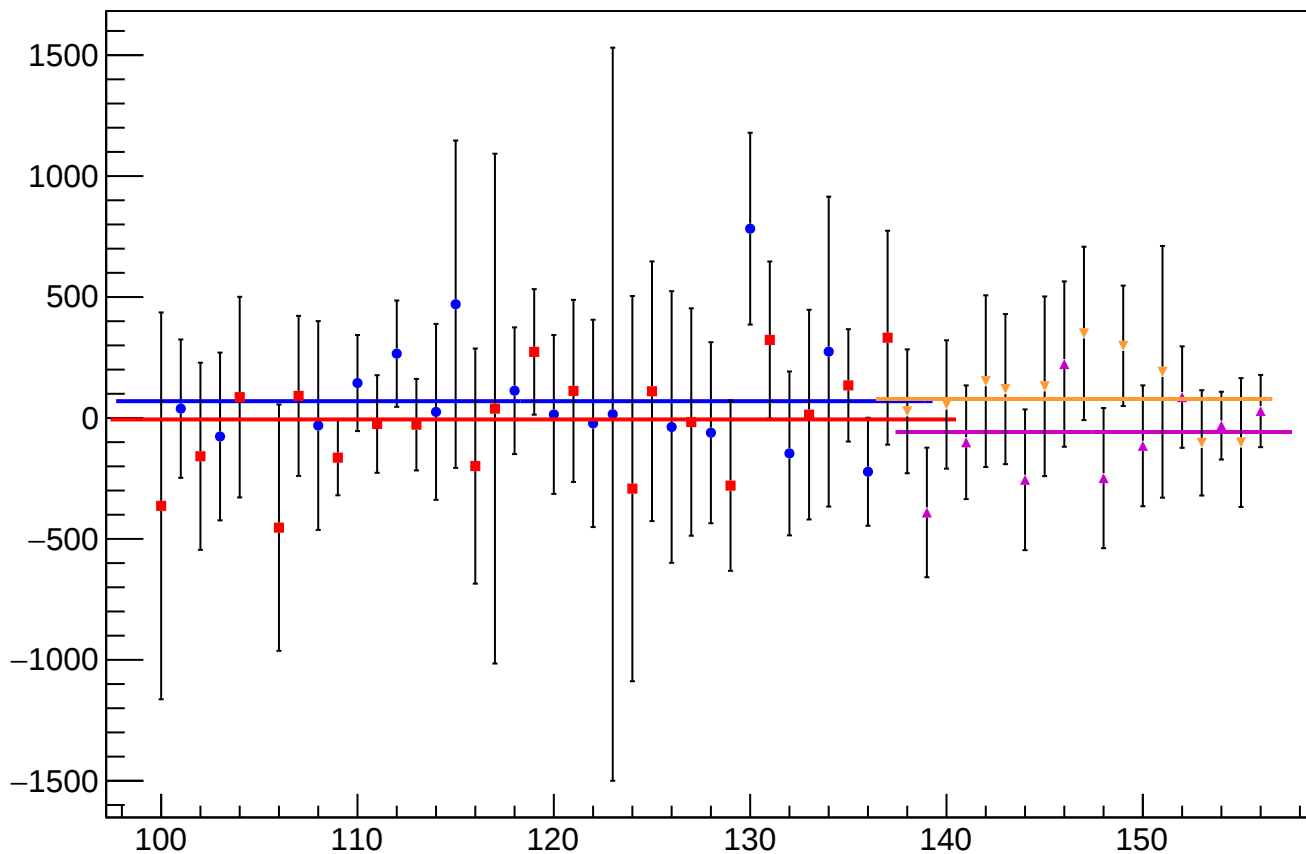
Right Out: 11.271 ± 0.003 $\chi^2/\text{NDF}: 148461.6/19$

Left In: 11.463 ± 0.003 $\chi^2/\text{NDF}: 94557.0/8$

11.304 ± 0.002 $\chi^2/\text{NDF}: 192951.9/26$

11.366 ± 0.002 $\chi^2/\text{NDF}: 245053.2/28$

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



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

Left Out: 78.501+/-92.121 χ^2/NDF : 2.7/9

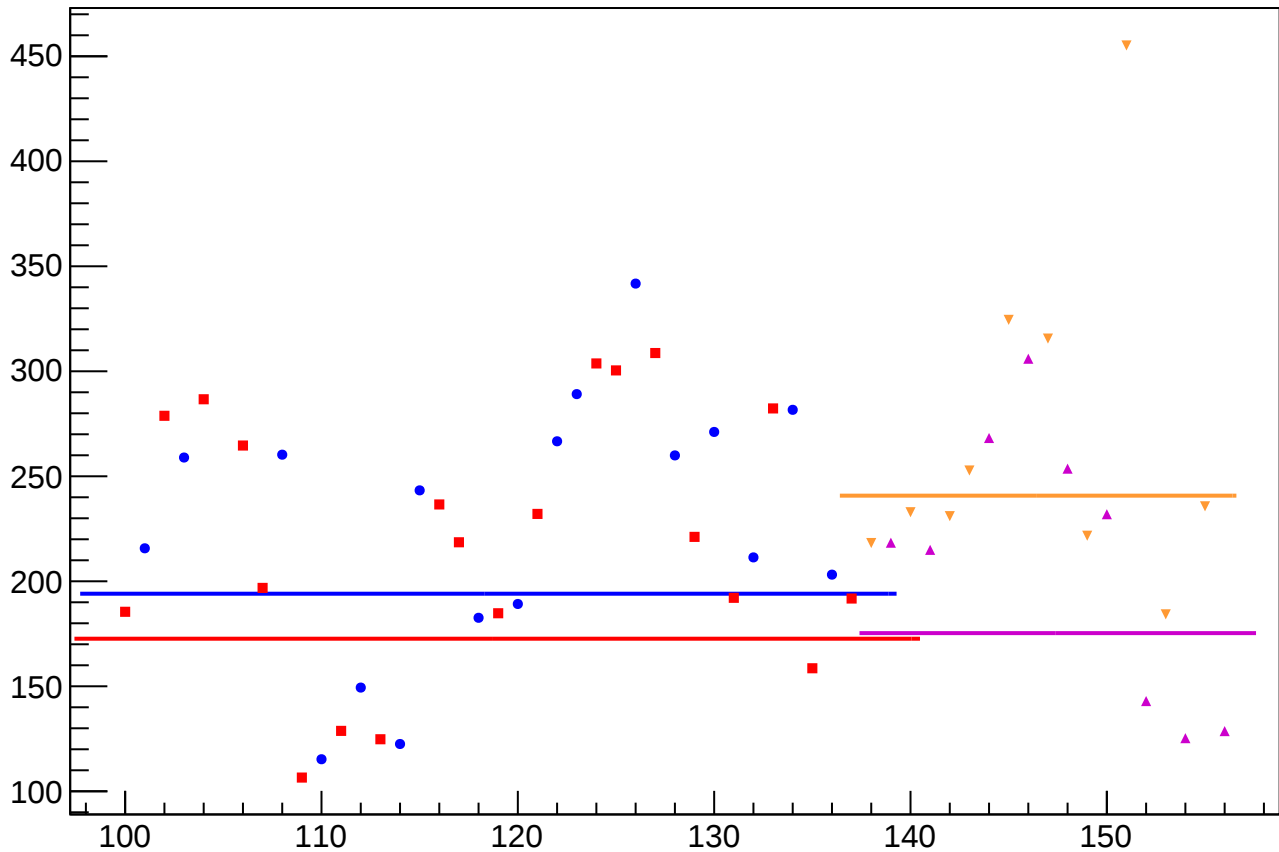
Right Out: -5.996+/-70.027 χ^2/NDF : 6.5/19

Left In: -58.048+/-70.929 χ^2/NDF : 4.0/8

73.310+/-60.070 χ^2/NDF : 9.9/26

-31.689+/-49.832 χ^2/NDF : 10.8/28

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.082+/-0.056 χ^2/NDF : 1005395.7/16

Left Out: 240.776+/-0.065 χ^2/NDF : 697116.0/9

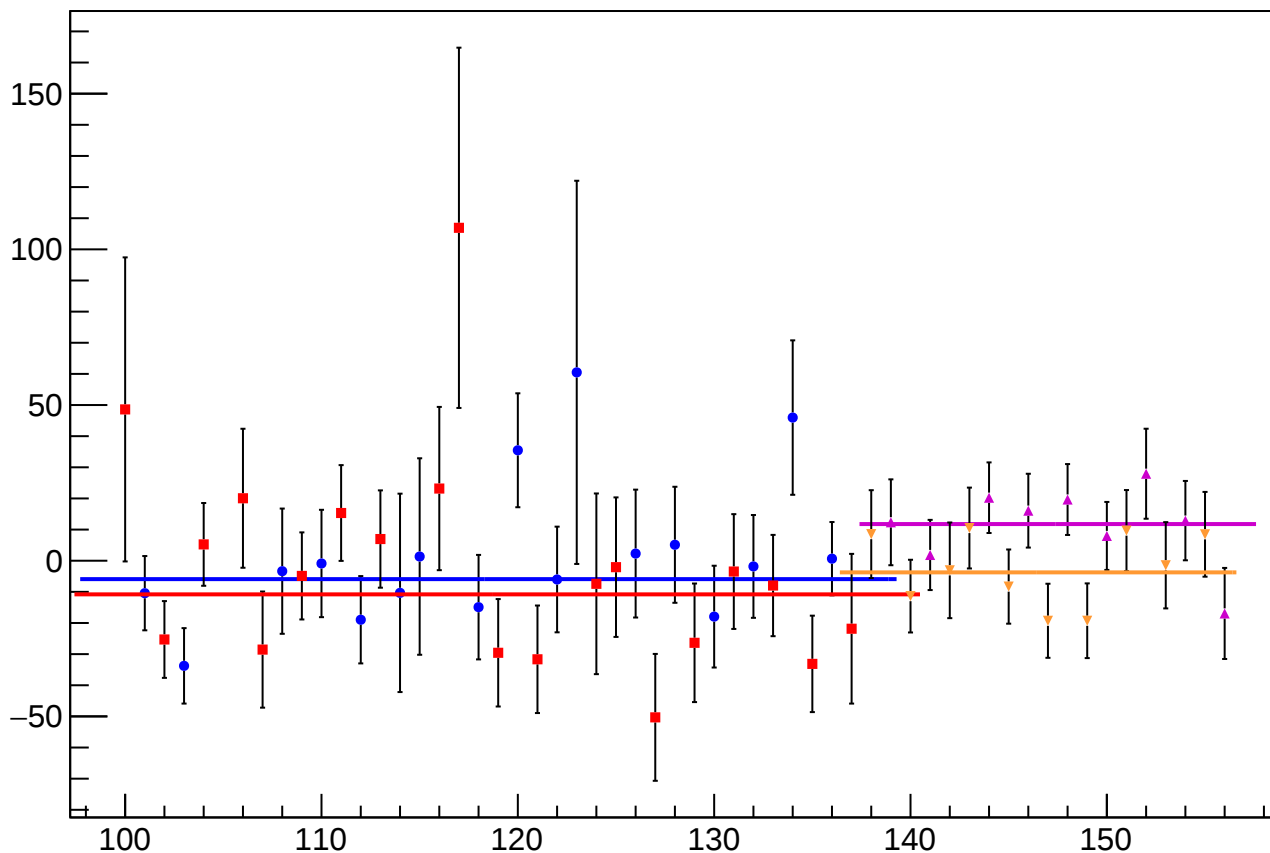
213.936+/-0.042 χ^2/NDF : 1997881.6/26

Right Out: 172.655+/-0.050 χ^2/NDF : 1573277.0/19

173.969+/-0.035 χ^2/NDF : 2925684.3/28

Left In: 175.316+/-0.050 χ^2/NDF : 1350982.1/8

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.912+/-4.133 χ^2/NDF : 18.8/16

-4.814+/-2.903 χ^2/NDF : 26.8/26

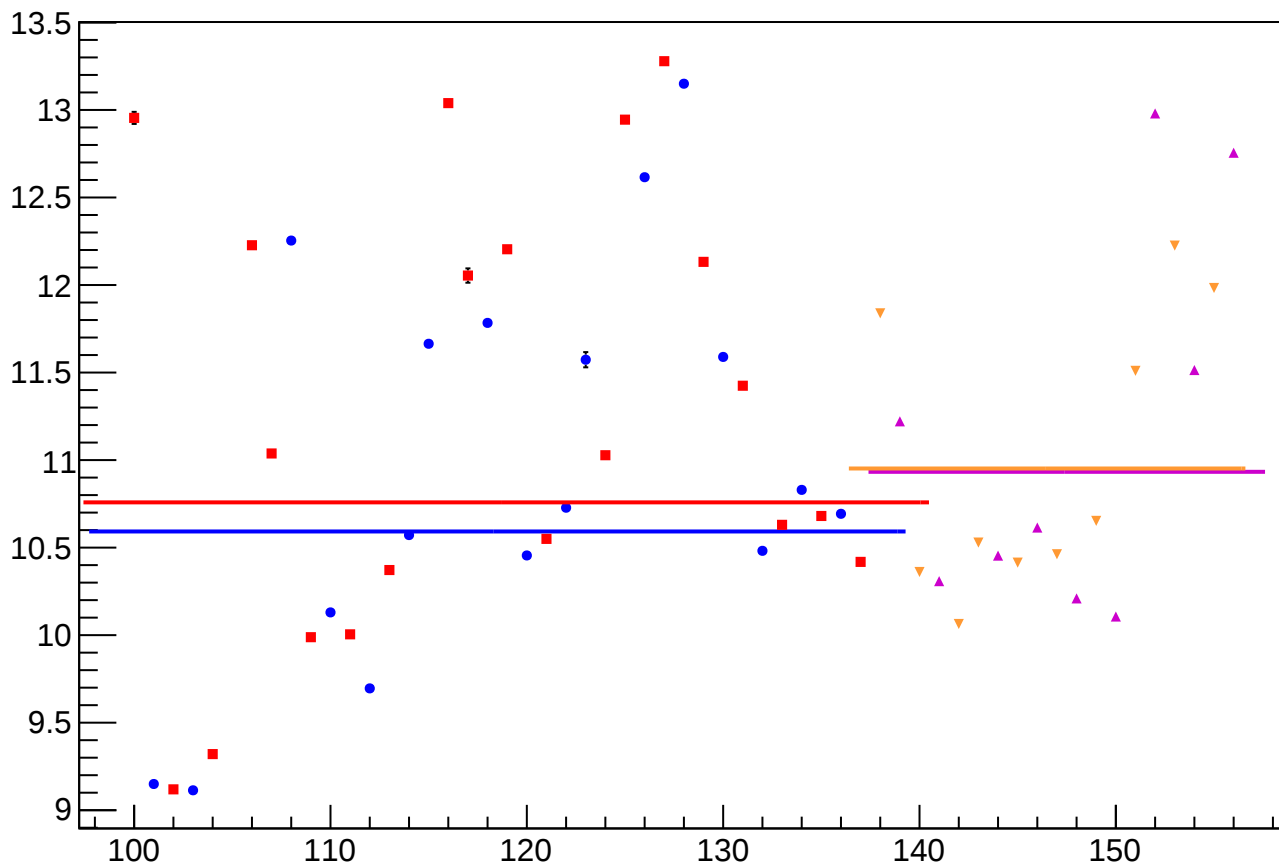
Left Out: -3.744+/-4.079 χ^2/NDF : 7.8/9

0.421+/-2.885 χ^2/NDF : 49.5/28

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

Left In: 11.773+/-4.091 χ^2/NDF : 7.2/8

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.592 ± 0.003 $\chi^2/\text{NDF}: 160397.9/16$

Left Out: 10.952 ± 0.003 $\chi^2/\text{NDF}: 62572.0/9$

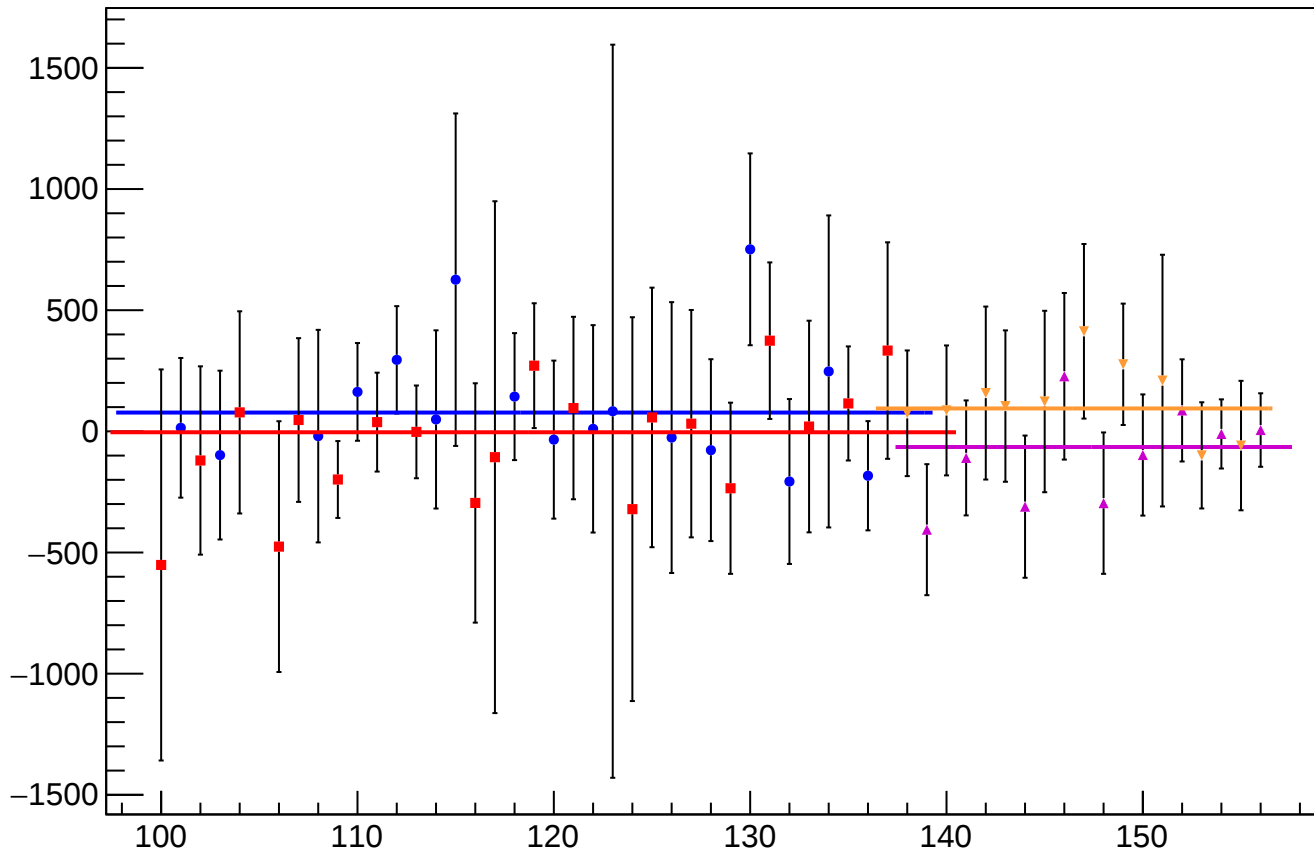
Right Out: 10.758 ± 0.003 $\chi^2/\text{NDF}: 177903.3/19$

Left In: 10.933 ± 0.003 $\chi^2/\text{NDF}: 106907.6/8$

10.774 ± 0.002 $\chi^2/\text{NDF}: 230643.5/26$

10.845 ± 0.002 $\chi^2/\text{NDF}: 286641.0/28$

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 77.589 $\pm$ 79.751 χ^2 /NDF: 7.6/16

Left Out: 94.527 $\pm$ 92.768 χ^2 /NDF: 2.5/9

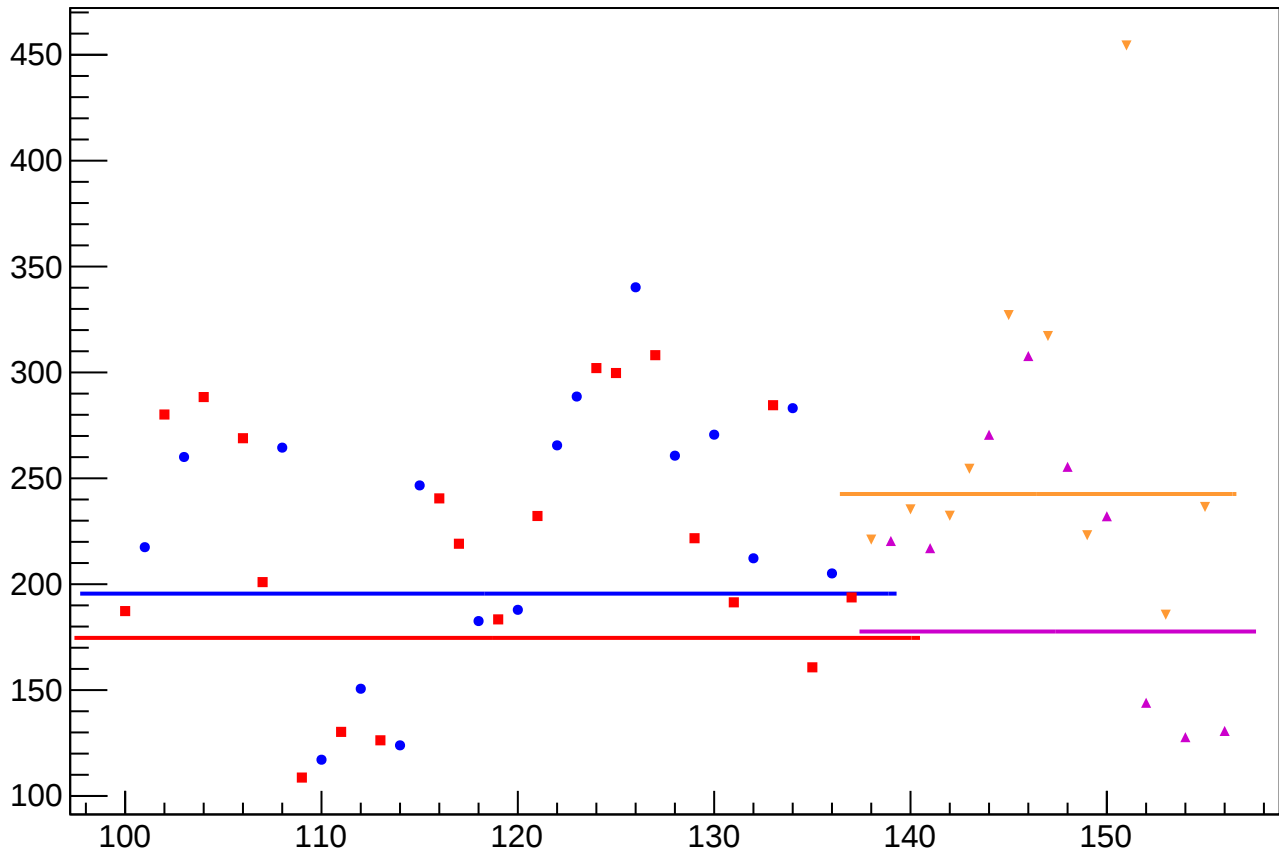
Right Out: -3.768 $\pm$ 70.696 χ^2 /NDF: 7.4/19

Left In: -64.636 $\pm$ 71.729 χ^2 /NDF: 4.6/8

84.787 $\pm$ 60.475 χ^2 /NDF: 10.1/26

-33.761 $\pm$ 50.351 χ^2 /NDF: 12.3/28

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.551+/-0.056 χ^2/NDF : 979937.7/16

Left Out: 242.600+/-0.066 χ^2/NDF : 688503.9/9

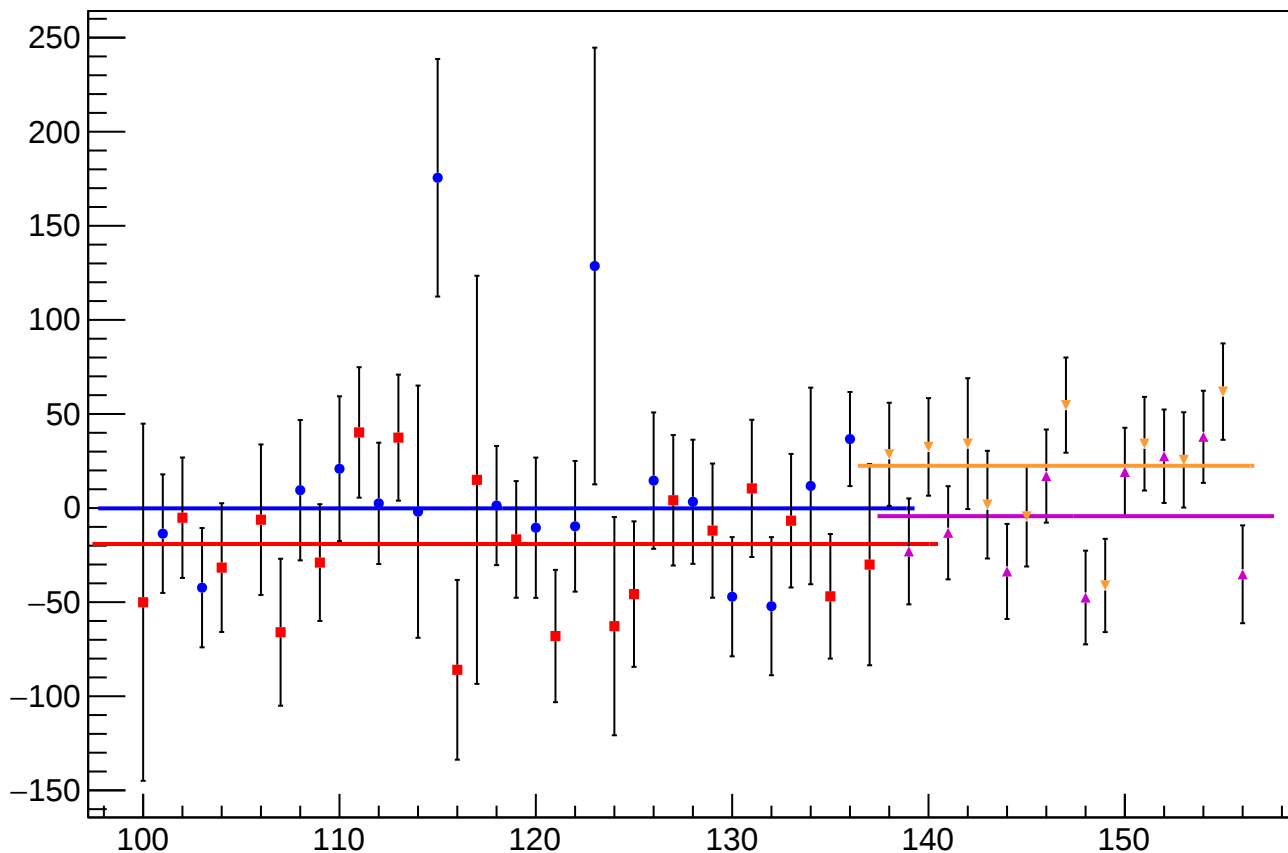
215.546+/-0.043 χ^2/NDF : 1964261.4/26

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

176.132+/-0.036 χ^2/NDF : 2849811.2/28

Left In: 177.659+/-0.051 χ^2/NDF : 1315835.8/8

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: 22.491 ± 8.401 $\chi^2/\text{NDF}: 12.7/9$

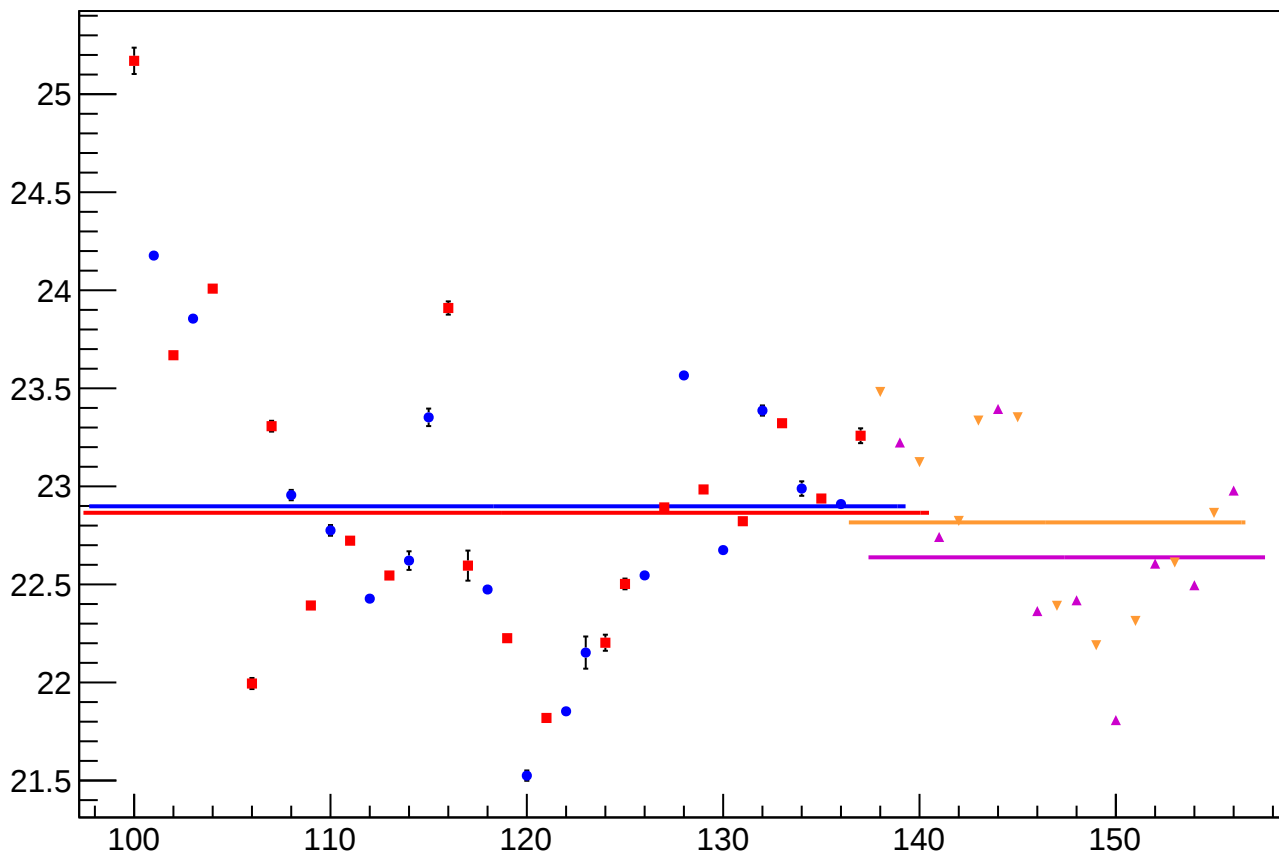
Right Out: -19.104 ± 8.527 $\chi^2/\text{NDF}: 14.9/19$

Left In: -4.301 ± 8.364 $\chi^2/\text{NDF}: 12.7/8$

11.725 ± 6.085 $\chi^2/\text{NDF}: 34.2/26$

-11.560 ± 5.971 $\chi^2/\text{NDF}: 29.2/28$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.898 $\pm$ 0.006 χ^2 /NDF: 12143.3/16

Left Out: 22.816 $\pm$ 0.006 χ^2 /NDF: 5726.2/9

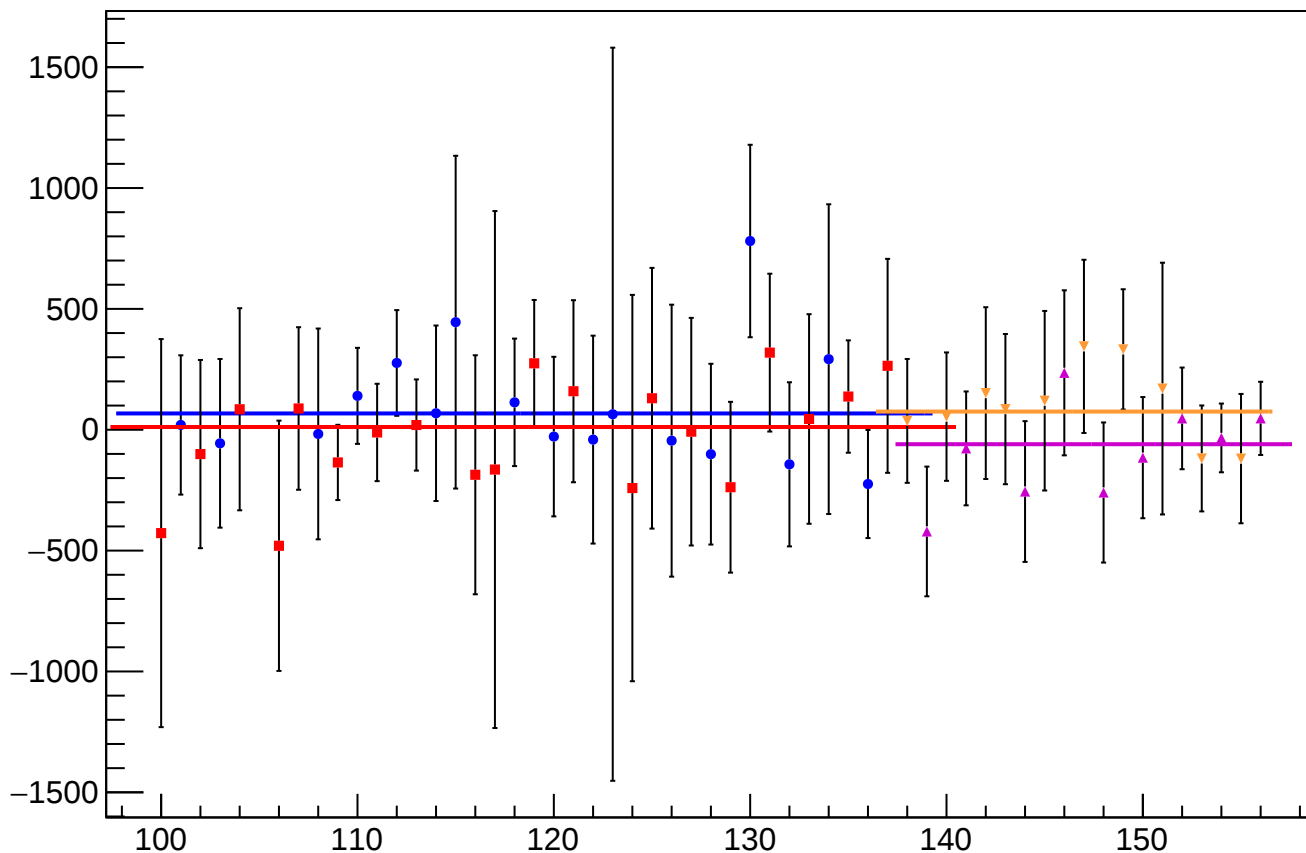
Right Out: 22.865 $\pm$ 0.006 χ^2 /NDF: 11060.8/19

Left In: 22.638 $\pm$ 0.006 χ^2 /NDF: 6014.3/8

22.855 $\pm$ 0.004 χ^2 /NDF: 17960.3/26

22.750 $\pm$ 0.004 χ^2 /NDF: 17798.7/28

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: 75.218 $\pm$ 92.304 χ^2 /NDF: 3.1/9

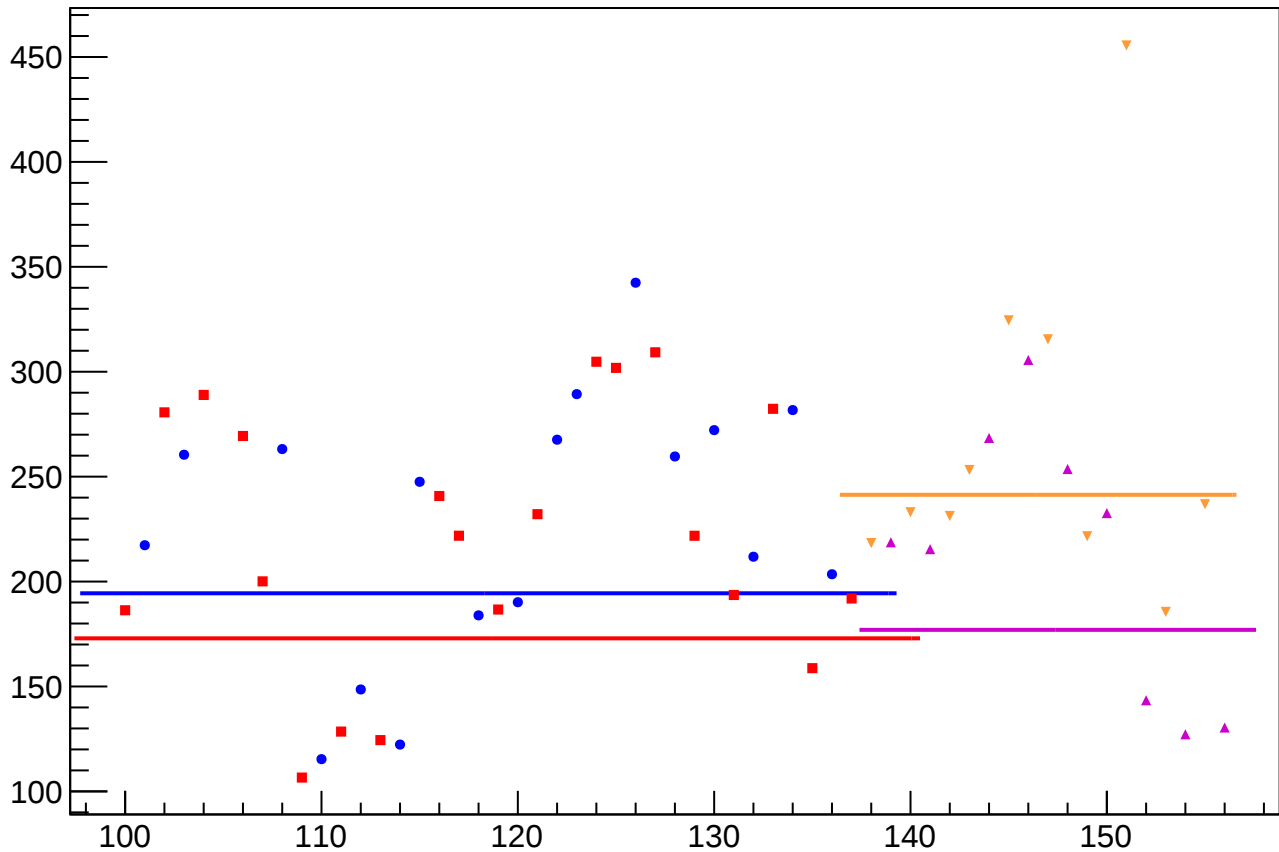
Right Out: 11.355 $\pm$ 70.203 χ^2 /NDF: 5.8/19

Left In: -59.838 $\pm$ 71.460 χ^2 /NDF: 4.3/8

70.753 $\pm$ 60.196 χ^2 /NDF: 10.5/26

-23.610 $\pm$ 50.079 χ^2 /NDF: 10.6/28

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: 241.349+/-0.065 χ^2/NDF : 689435.5/9

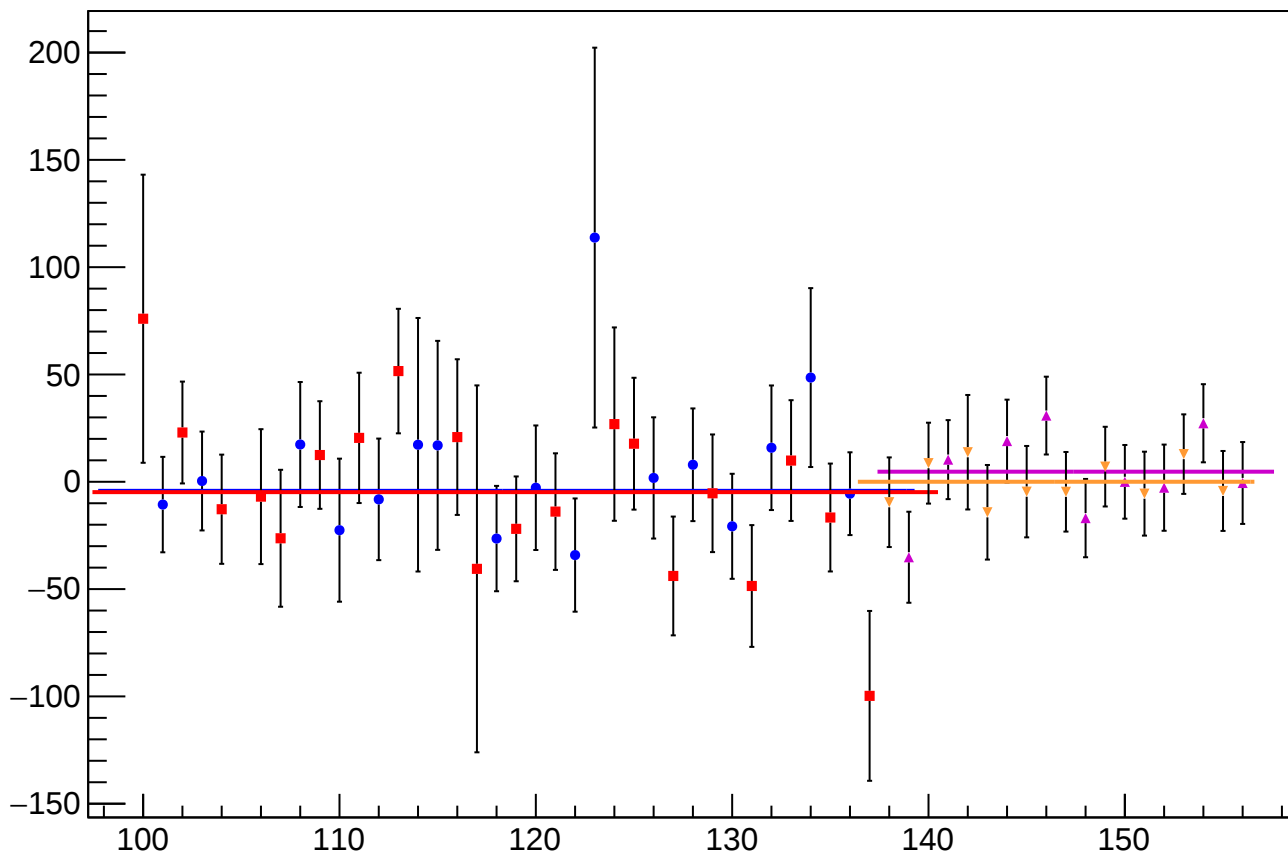
214.373+/-0.043 χ^2/NDF : 2006576.0/26

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

174.930+/-0.035 χ^2/NDF : 2910665.2/28

Left In: 176.990+/-0.051 χ^2/NDF : 1306439.6/8

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.223+/-6.871 χ^2/NDF : 8.0/16

Left Out: 0.013+/-6.325 χ^2/NDF : 2.0/9

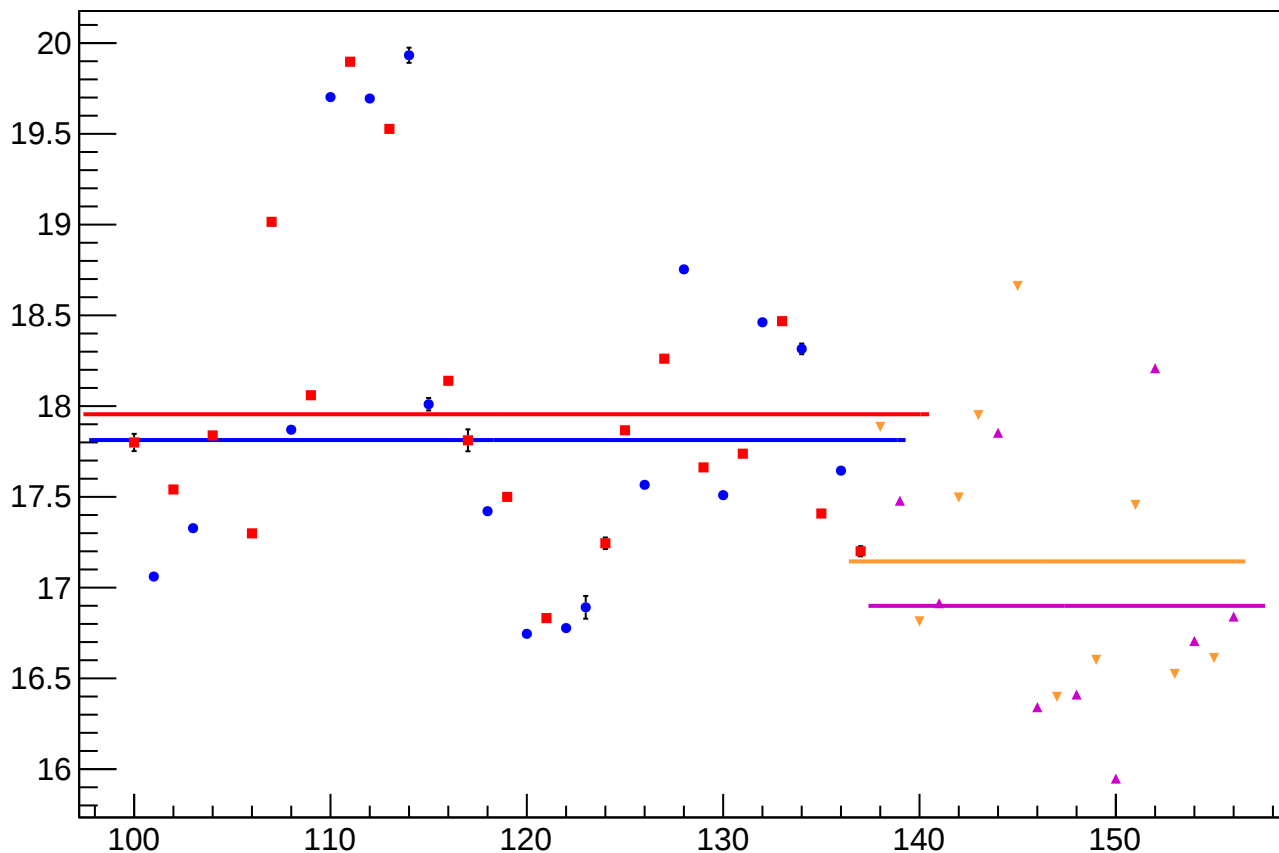
Right Out: -4.820+/-6.704 χ^2/NDF : 21.3/19

Left In: 4.705+/-6.257 χ^2/NDF : 9.5/8

-1.930+/-4.654 χ^2/NDF : 10.2/26

0.271+/-4.574 χ^2/NDF : 31.8/28

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: 17.144+/-0.004 χ^2/NDF : 25636.9/9

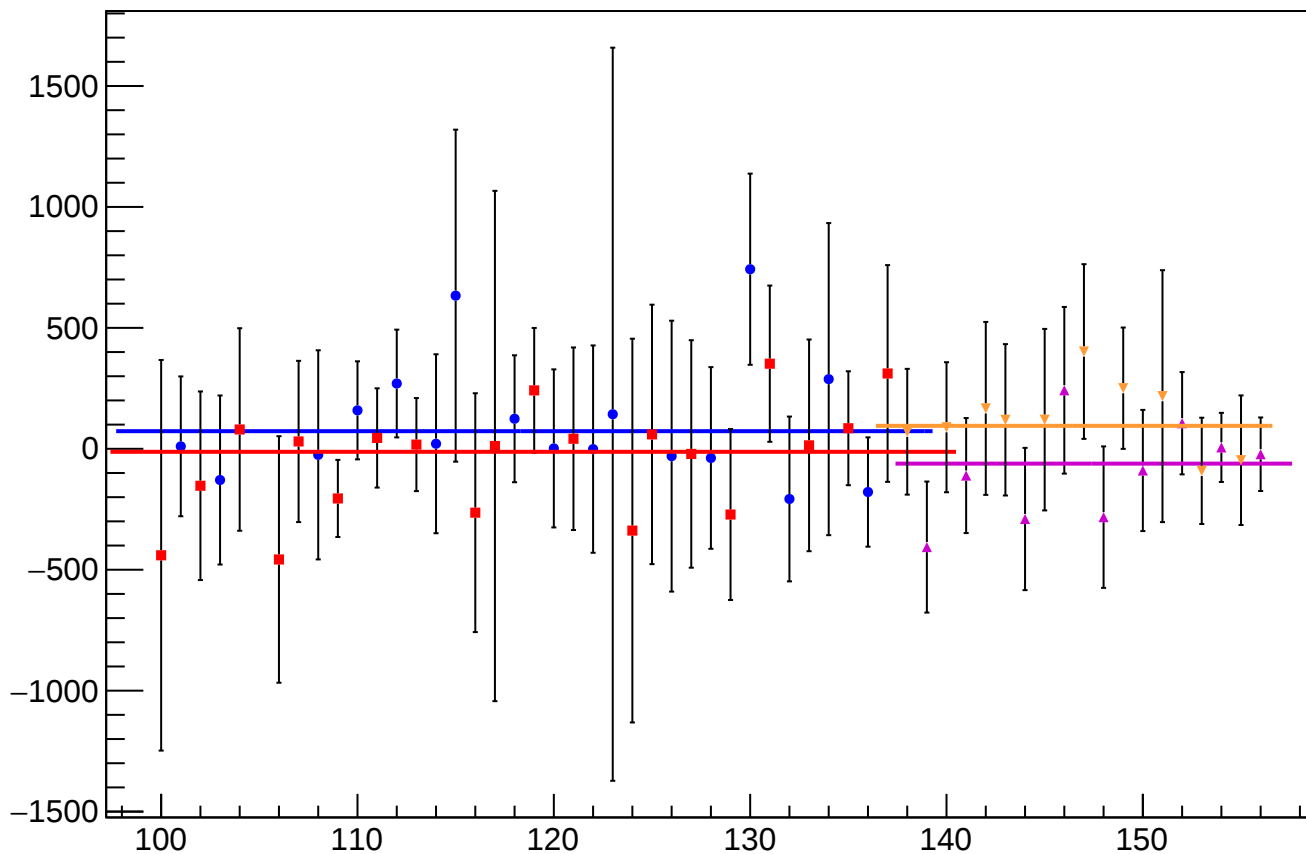
Right Out: 17.955+/-0.005 χ^2/NDF : 25451.0/19

Left In: 16.900+/-0.004 χ^2/NDF : 24600.3/8

17.451+/-0.003 χ^2/NDF : 67918.3/26

17.391+/-0.003 χ^2/NDF : 76546.2/28

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 72.888+/-79.948 χ^2/NDF : 7.2/16

Left Out: 94.968+/-92.982 χ^2/NDF : 2.2/9

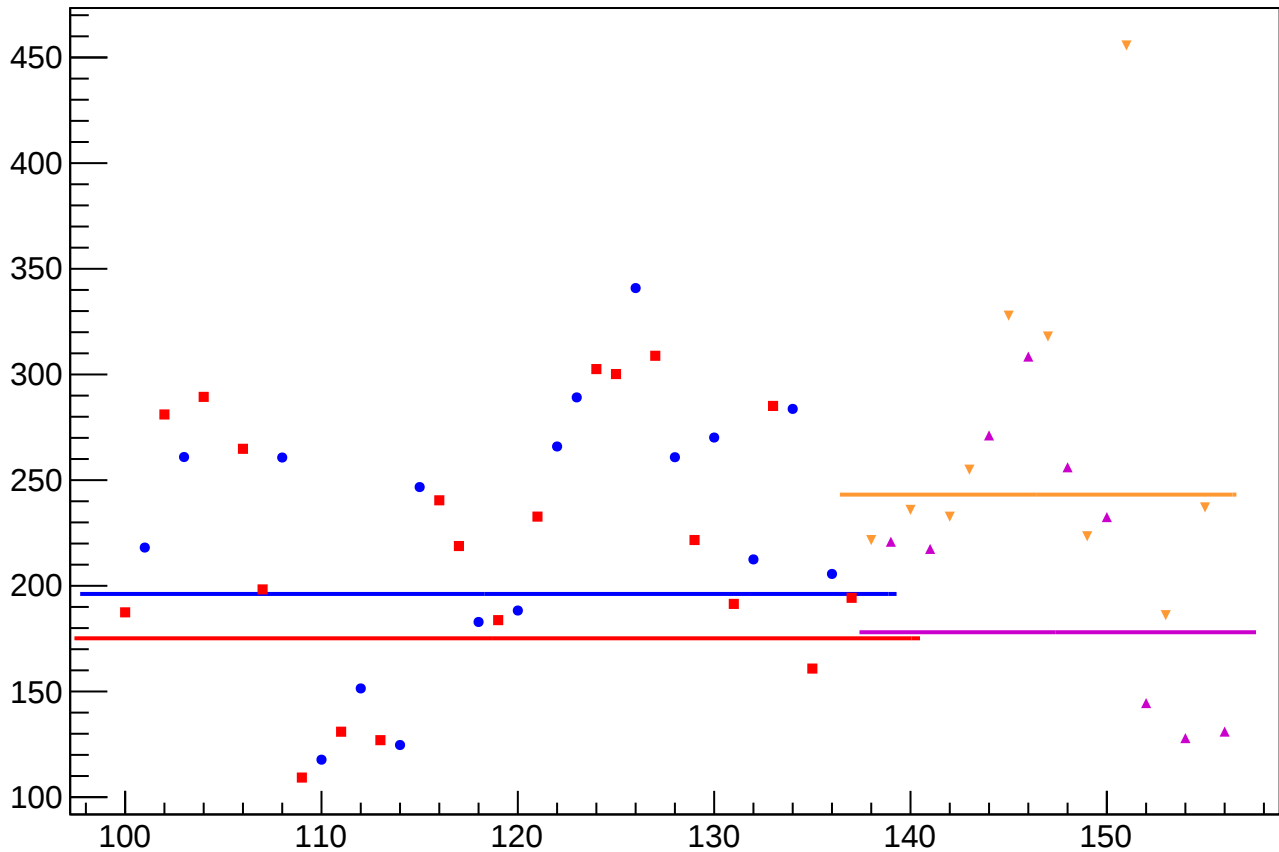
Right Out: -12.456+/-70.853 χ^2/NDF : 6.7/19

Left In: -61.318+/-71.883 χ^2/NDF : 4.5/8

82.273+/-60.621 χ^2/NDF : 9.5/26

-36.534+/-50.461 χ^2/NDF : 11.5/28

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: 243.159+/-0.066 χ^2/NDF : 688551.3/9

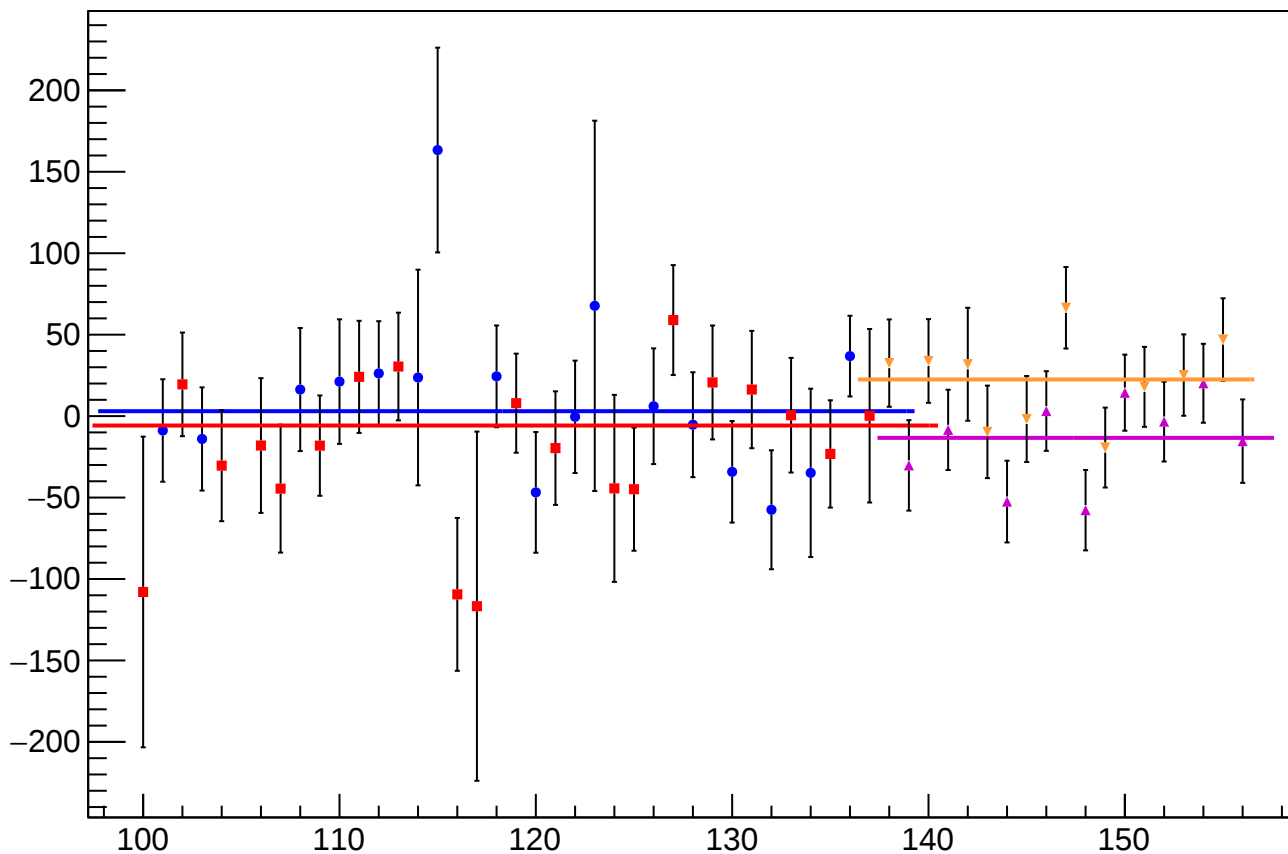
216.132+/-0.043 χ^2/NDF : 1947450.7/26

Right Out: 175.163+/-0.050 χ^2/NDF : 1514398.4/19

176.577+/-0.036 χ^2/NDF : 2832521.0/28

Left In: 178.033+/-0.051 χ^2/NDF : 1316505.3/8

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.022 ± 8.751 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 22.493 ± 8.306 $\chi^2/\text{NDF}: 9.5/9$

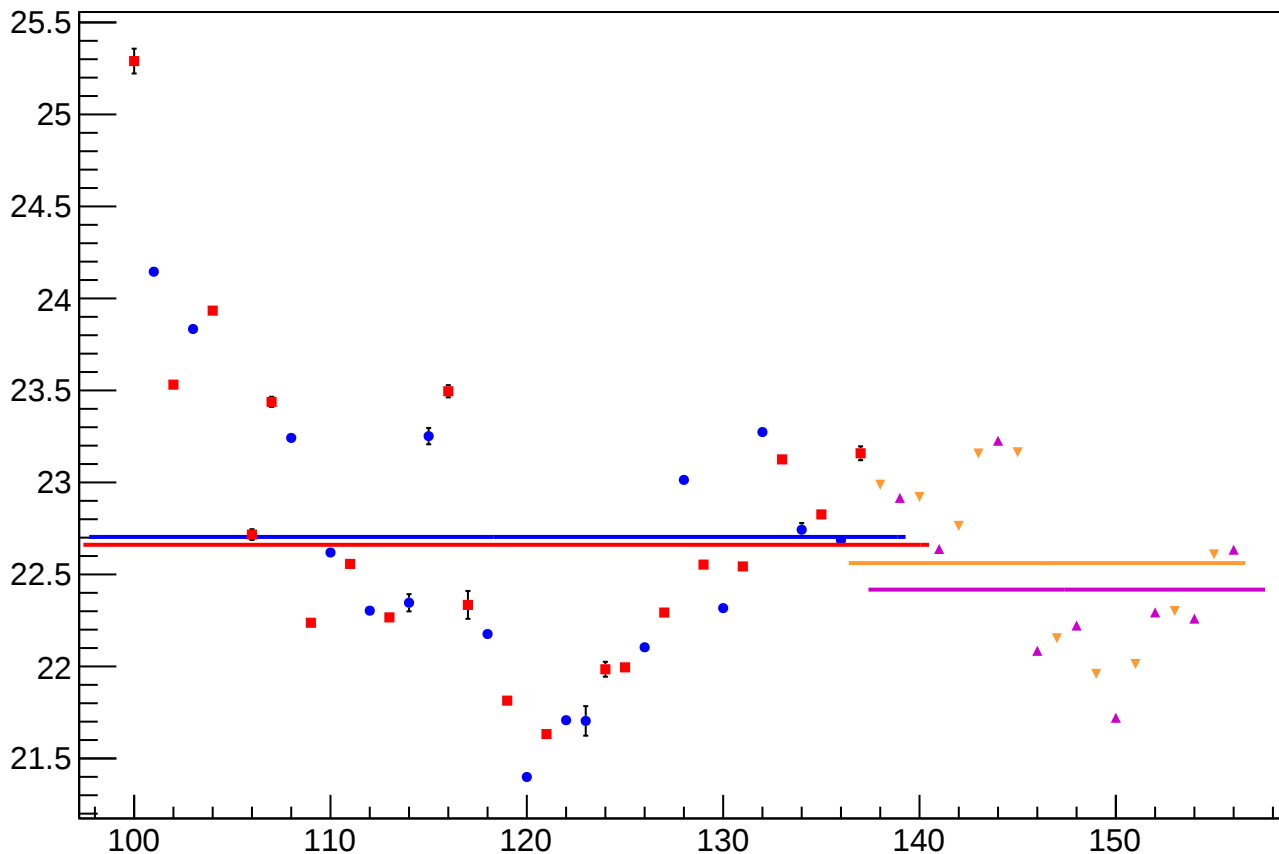
Right Out: -5.786 ± 8.451 $\chi^2/\text{NDF}: 18.3/19$

Left In: -13.343 ± 8.282 $\chi^2/\text{NDF}: 10.0/8$

13.265 ± 6.025 $\chi^2/\text{NDF}: 29.3/26$

-9.641 ± 5.915 $\chi^2/\text{NDF}: 28.7/28$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.704+/-0.006 χ^2/NDF : 14105.8/16

Left Out: 22.562+/-0.006 χ^2/NDF : 5844.1/9

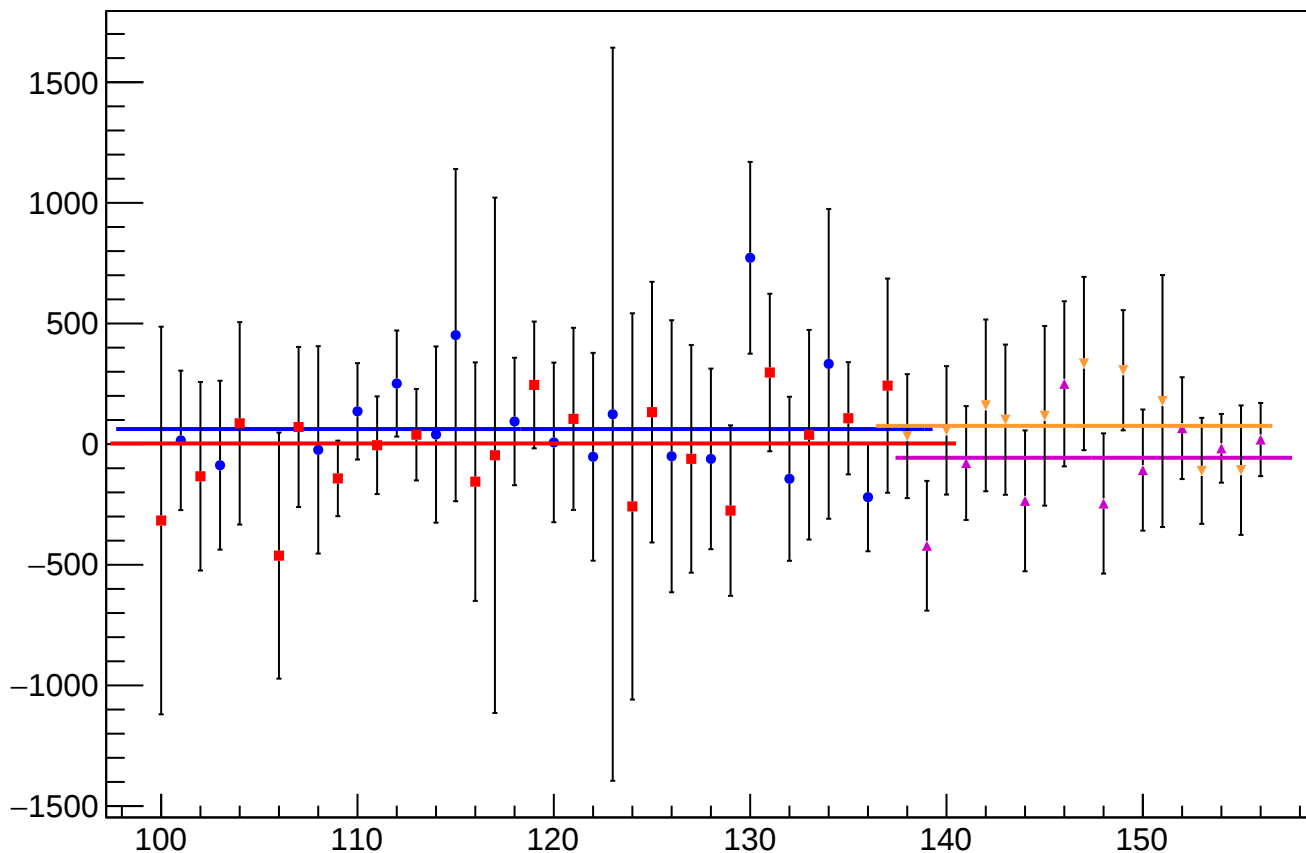
Right Out: 22.661+/-0.006 χ^2/NDF : 12962.1/19

Left In: 22.418+/-0.006 χ^2/NDF : 5440.2/8

22.629+/-0.004 χ^2/NDF : 20227.6/26

22.537+/-0.004 χ^2/NDF : 19249.8/28

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 62.573+/-79.605 χ^2/NDF : 7.0/16

Left Out: 75.781+/-92.517 χ^2/NDF : 2.7/9

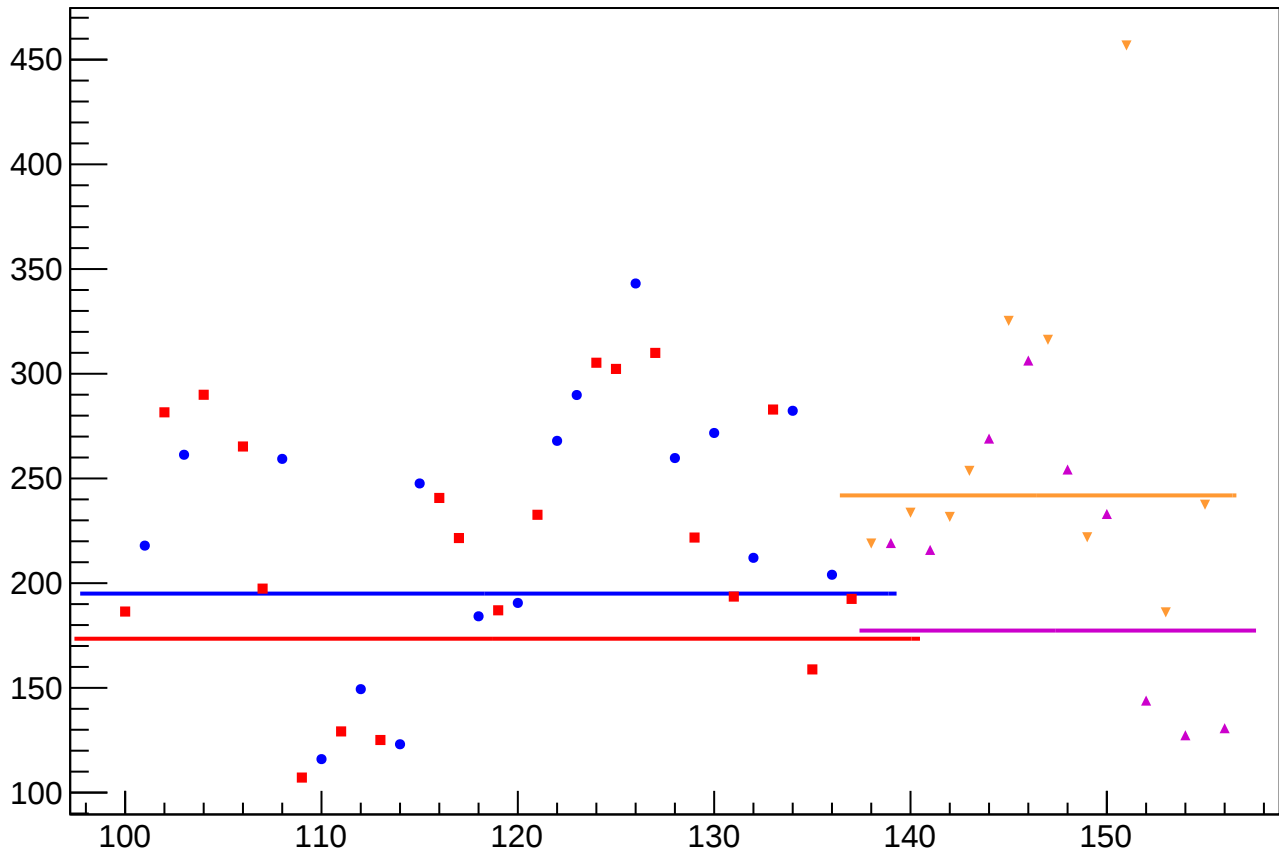
Right Out: 2.824+/-70.364 χ^2/NDF : 5.2/19

Left In: -56.492+/-71.613 χ^2/NDF : 4.2/8

68.192+/-60.342 χ^2/NDF : 9.7/26

-26.312+/-50.191 χ^2/NDF : 9.7/28

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: 241.906+/-0.065 χ^2/NDF : 689528.6/9

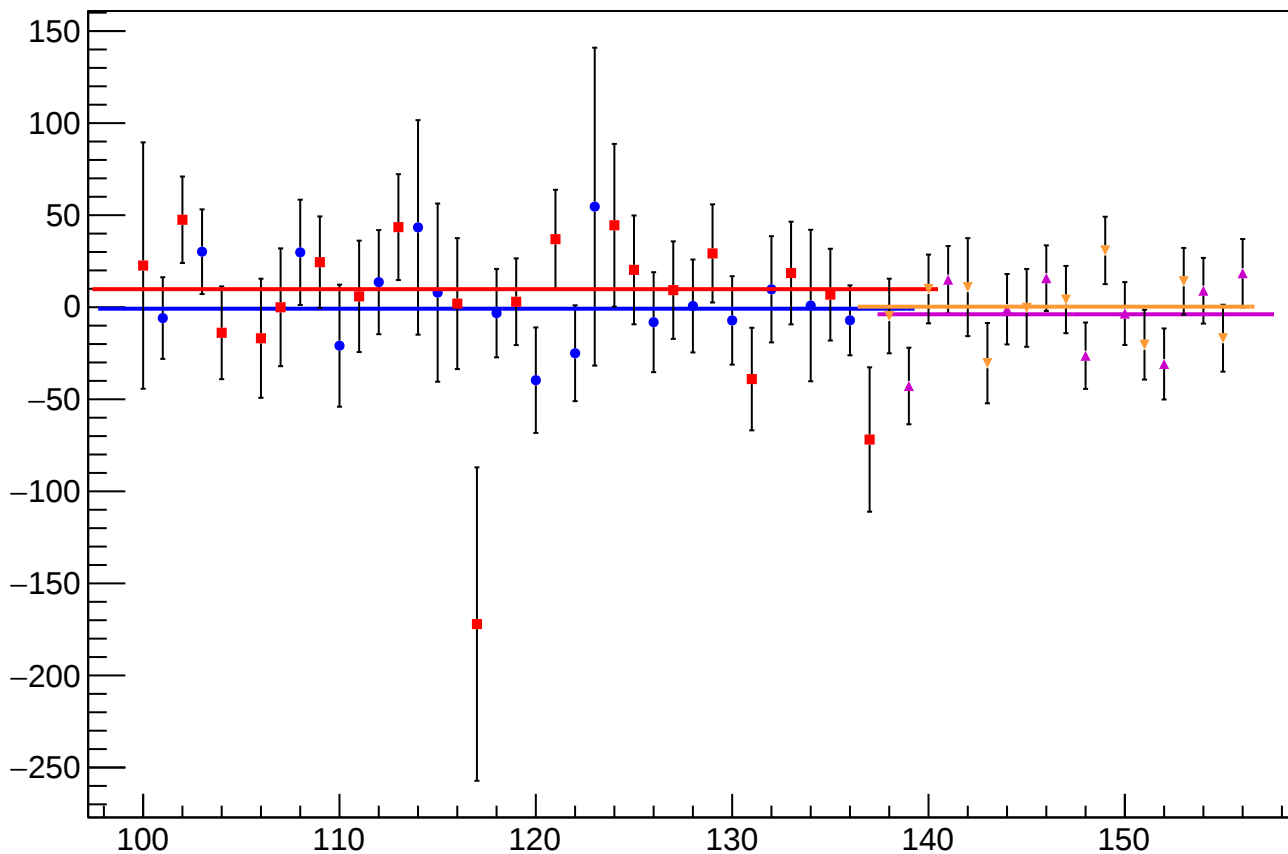
214.966+/-0.043 χ^2/NDF : 1988931.6/26

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

175.384+/-0.035 χ^2/NDF : 2892463.5/28

Left In: 177.364+/-0.051 χ^2/NDF : 1307182.7/8

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: 0.296 ± 6.213 χ^2/NDF : 8.0/9

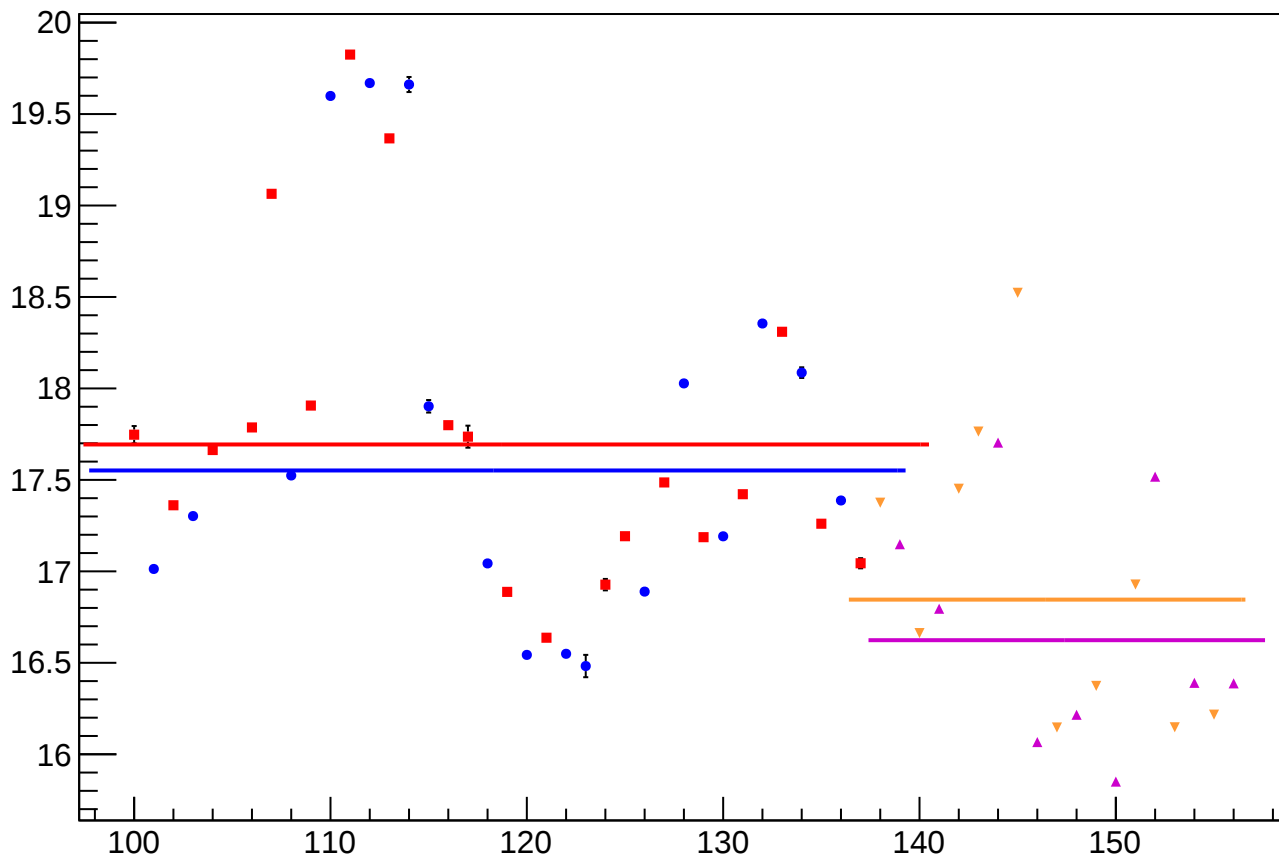
Right Out: 9.809 ± 6.606 χ^2/NDF : 20.5/19

Left In: -3.824 ± 6.151 χ^2/NDF : 11.3/8

-0.206 ± 4.578 χ^2/NDF : 15.7/26

2.507 ± 4.502 χ^2/NDF : 34.1/28

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.552+/-0.005 χ^2/NDF : 34027.1/16

Left Out: 16.845+/-0.004 χ^2/NDF : 28413.3/9

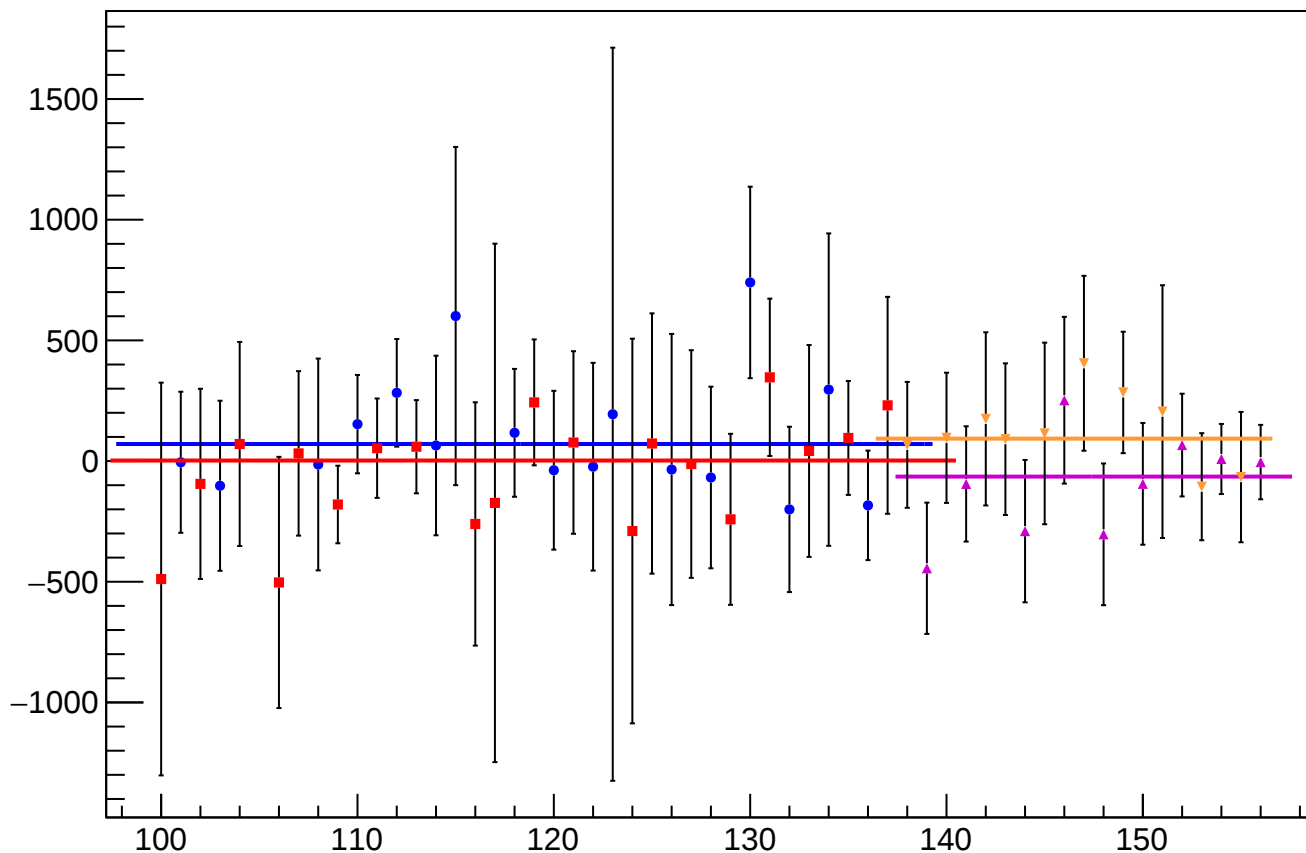
Right Out: 17.694+/-0.005 χ^2/NDF : 30742.5/19

Left In: 16.624+/-0.004 χ^2/NDF : 19866.5/8

17.168+/-0.003 χ^2/NDF : 74248.9/26

17.121+/-0.003 χ^2/NDF : 78709.8/28

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: 93.020+/-93.439 χ^2/NDF : 2.6/9

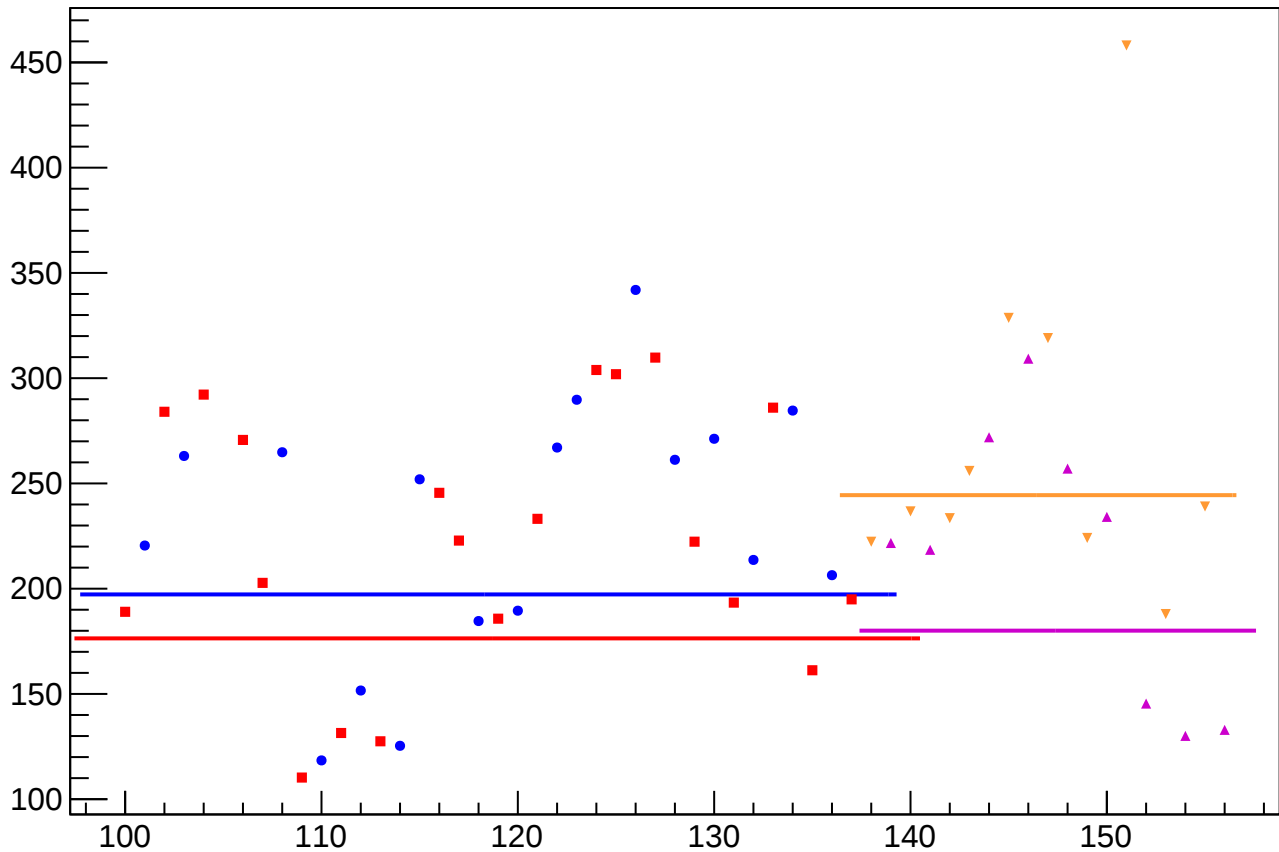
Right Out: 2.285+/-71.350 χ^2/NDF : 6.2/19

Left In: -64.259+/-72.580 χ^2/NDF : 4.9/8

80.159+/-60.948 χ^2/NDF : 9.8/26

-30.418+/-50.881 χ^2/NDF : 11.5/28

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: 244.431 ± 0.066 χ^2/NDF : 682209.1/9

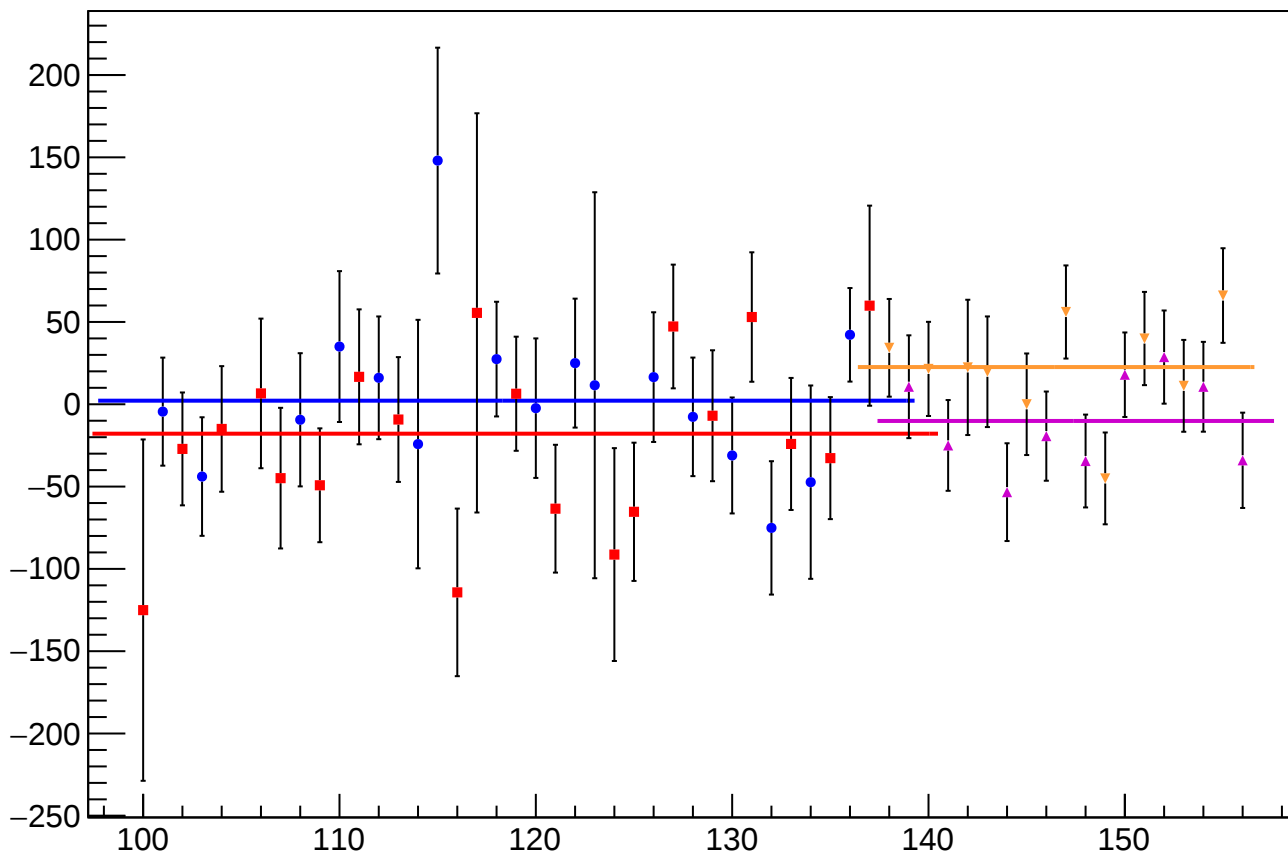
Right Out: 176.387 ± 0.050 χ^2/NDF : 1523467.7/19

Left In: 180.064 ± 0.051 χ^2/NDF : 1278726.6/8

217.336 ± 0.043 χ^2/NDF : 1944462.0/26

178.194 ± 0.036 χ^2/NDF : 2804805.6/28

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: 22.599 $\pm$ 9.464 χ^2/NDF : 10.8/9

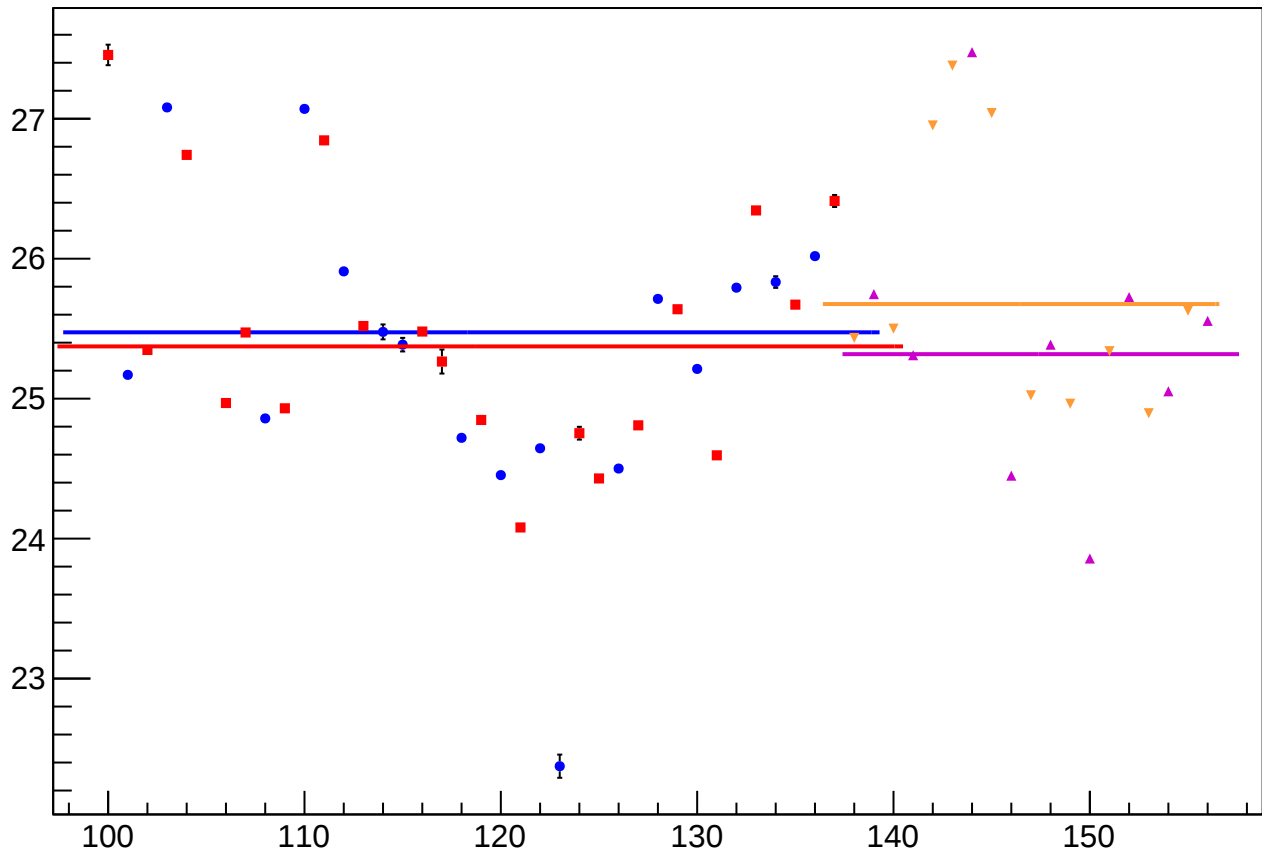
Right Out: -17.869 $\pm$ 9.468 χ^2/NDF : 20.0/19

Left In: -10.138 $\pm$ 9.367 χ^2/NDF : 8.1/8

12.771 $\pm$ 6.816 χ^2/NDF : 28.4/26

-13.962 $\pm$ 6.659 χ^2/NDF : 28.3/28

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: 25.676 ± 0.007 χ^2/NDF : 15413.3/9

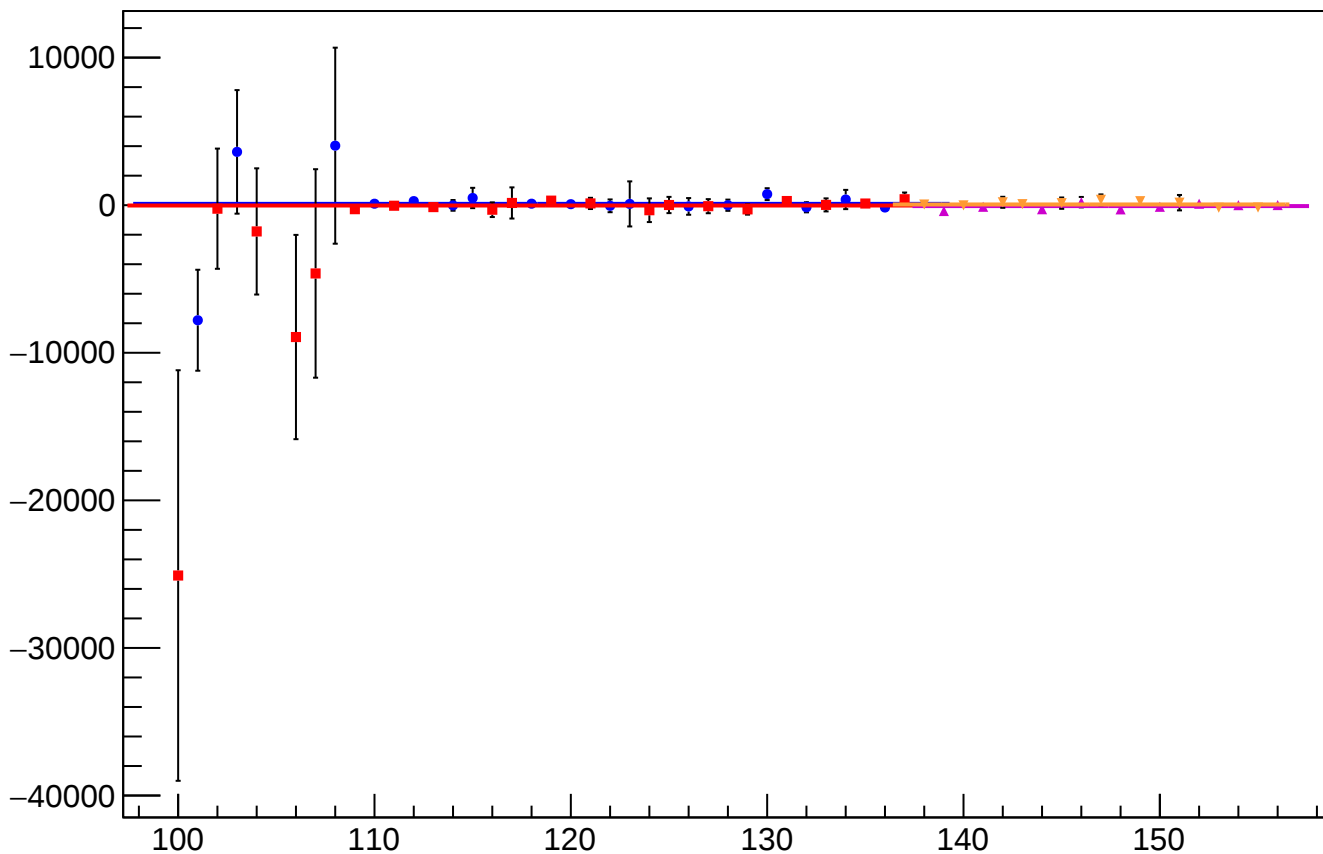
Right Out: 25.373 ± 0.007 χ^2/NDF : 13582.8/19

Left In: 25.318 ± 0.007 χ^2/NDF : 20210.9/8

25.579 ± 0.005 χ^2/NDF : 29912.8/26

25.345 ± 0.005 χ^2/NDF : 33828.3/28

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: 49.555+/-95.132 χ^2/NDF : 3.3/9

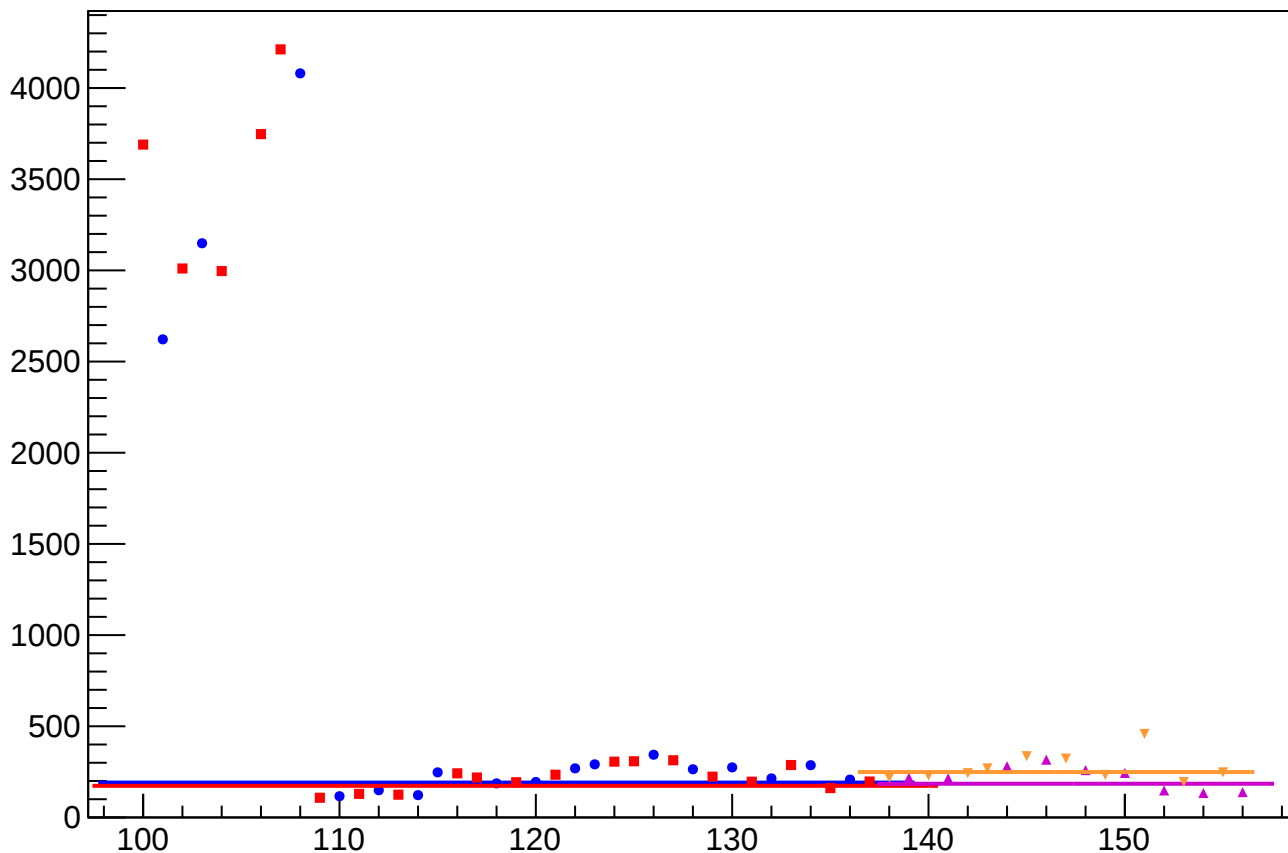
Right Out: -21.600+/-80.665 χ^2/NDF : 11.9/19

Left In: -60.672+/-74.281 χ^2/NDF : 4.2/8

71.228+/-64.453 χ^2/NDF : 15.7/26

-42.743+/-54.642 χ^2/NDF : 16.2/28

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: 249.032 +/- 0.067 χ^2/NDF : 672813.9/9

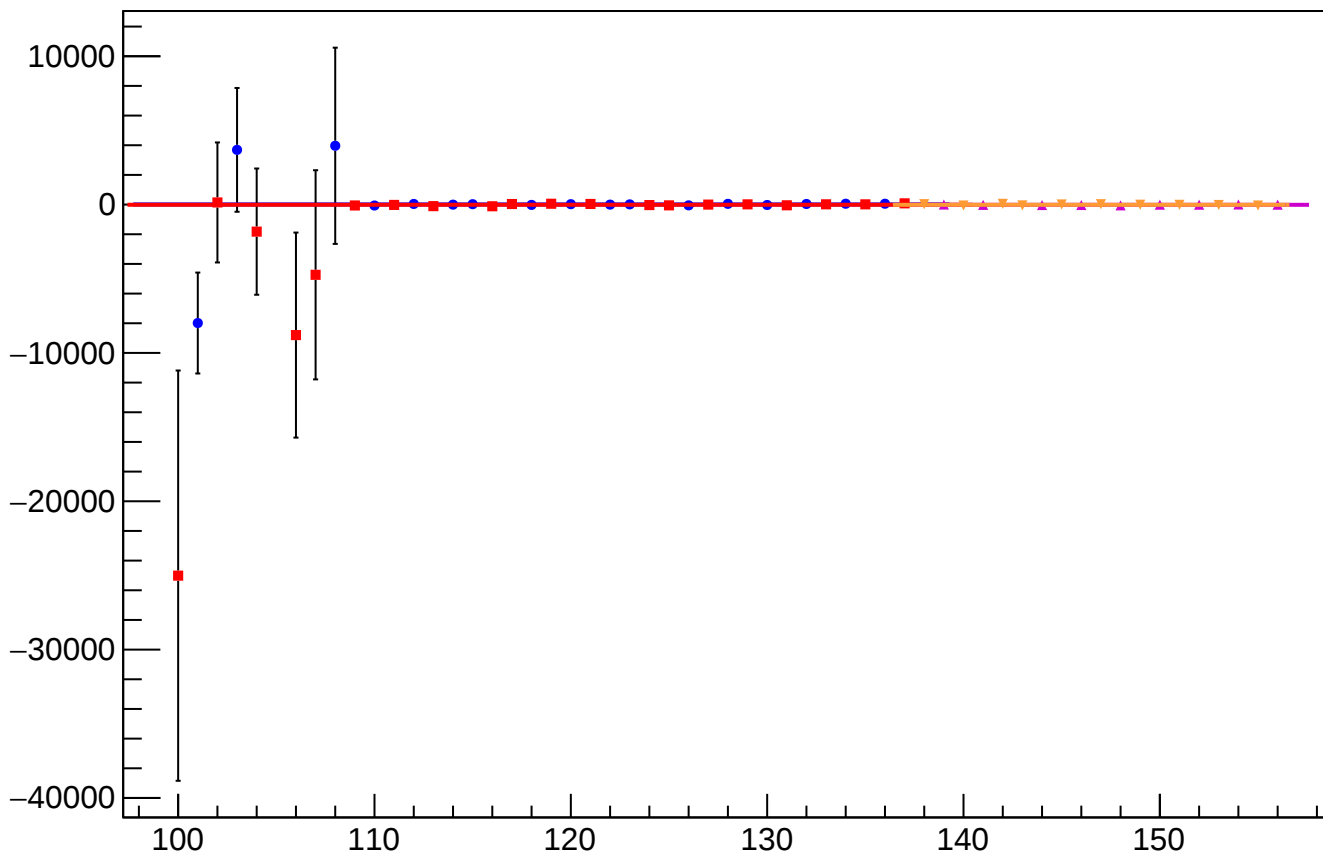
Right Out: 173.536 +/- 0.057 χ^2/NDF : 4210933.2/19

Left In: 184.858 +/- 0.053 χ^2/NDF : 1215424.7/8

217.741 +/- 0.046 χ^2/NDF : 4644537.4/26

179.663 +/- 0.039 χ^2/NDF : 5447676.5/28

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: -14.869+/-11.076 χ^2/NDF : 10.6/9

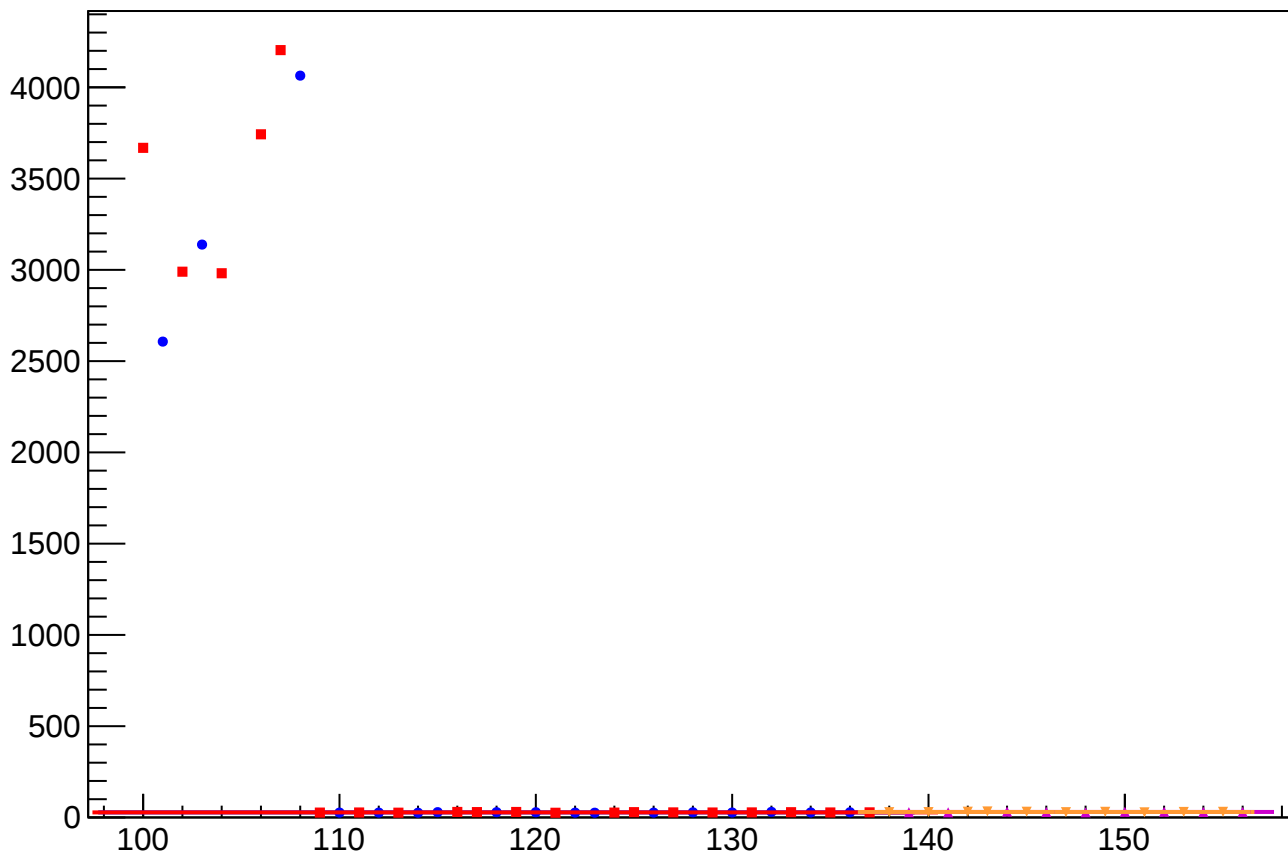
Right Out: -12.573+/-12.182 χ^2/NDF : 24.5/19

Left In: -16.020+/-11.171 χ^2/NDF : 2.7/8

-3.443+/-8.197 χ^2/NDF : 31.2/26

-14.445+/-8.233 χ^2/NDF : 27.2/28

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.837+/-0.009 χ^2/NDF : 3026887.2/16

Left Out: 30.001+/-0.008 χ^2/NDF : 30582.4/9

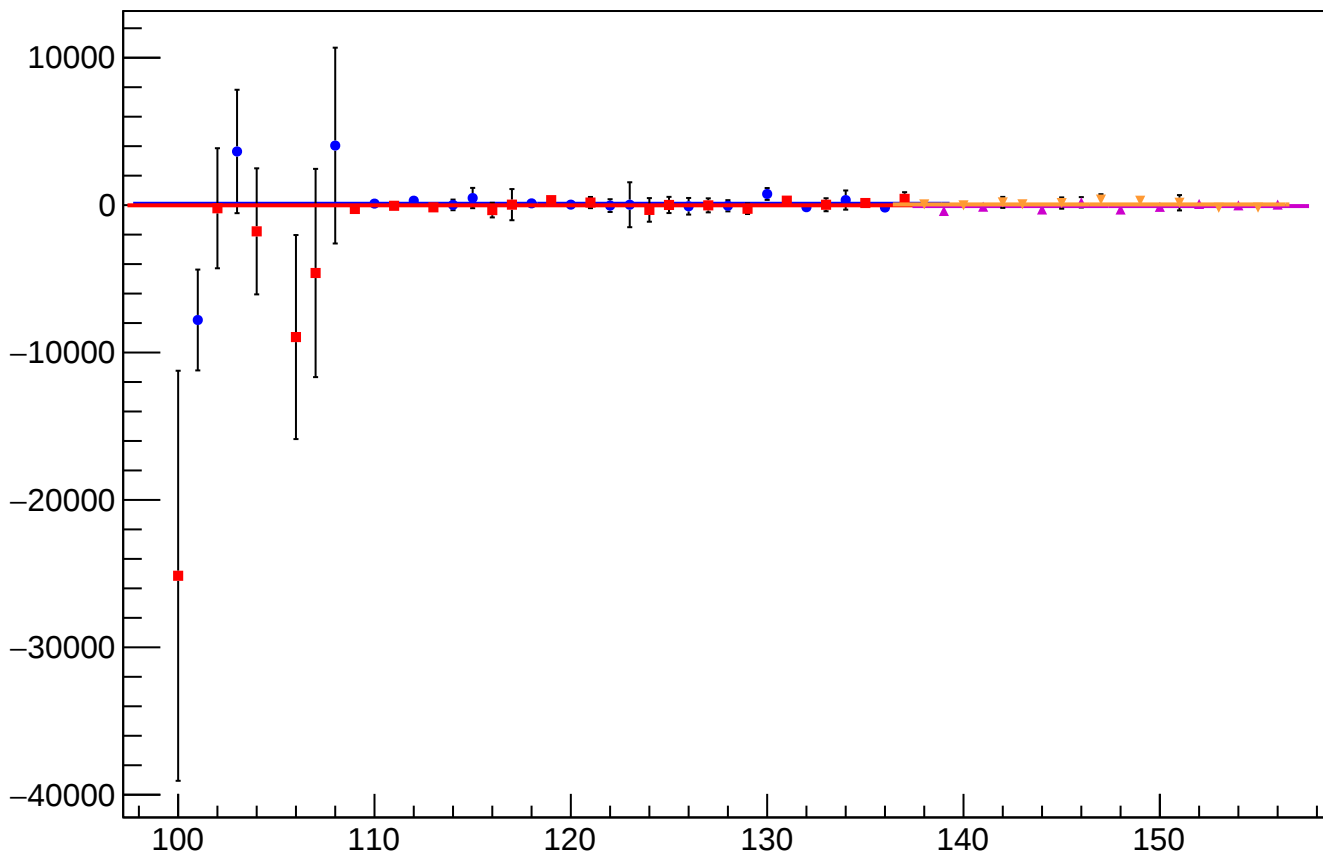
Right Out: 27.706+/-0.009 χ^2/NDF : 3477080.4/19

Left In: 30.134+/-0.008 χ^2/NDF : 31313.7/8

29.022+/-0.006 χ^2/NDF : 3092013.8/26

29.025+/-0.006 χ^2/NDF : 3551522.4/28

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: 48.979+/-94.918 χ^2/NDF : 3.6/9

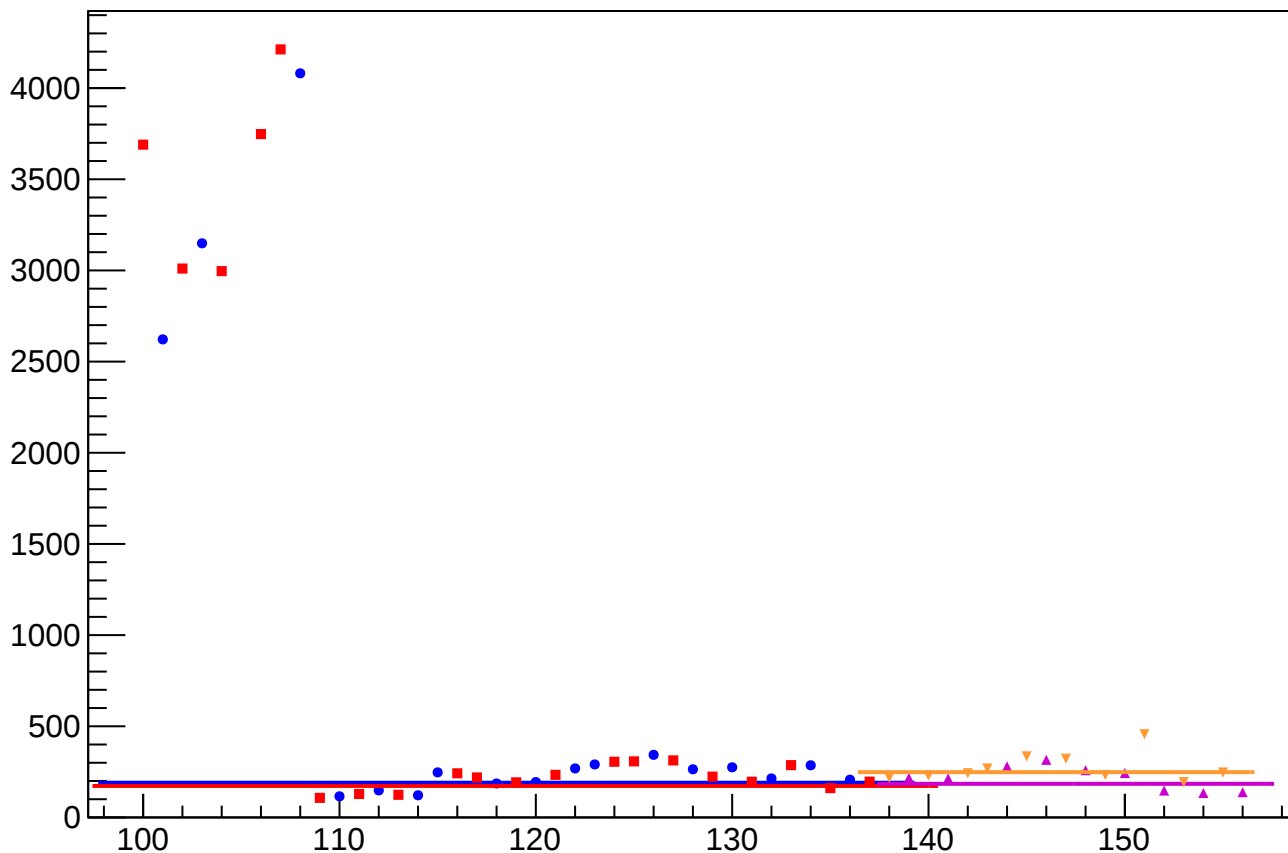
Right Out: -12.509+/-80.407 χ^2/NDF : 12.7/19

Left In: -64.292+/-74.126 χ^2/NDF : 4.3/8

72.725+/-64.278 χ^2/NDF : 16.4/26

-40.502+/-54.500 χ^2/NDF : 17.2/28

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: 248.469+/-0.067 χ^2/NDF : 672893.5/9

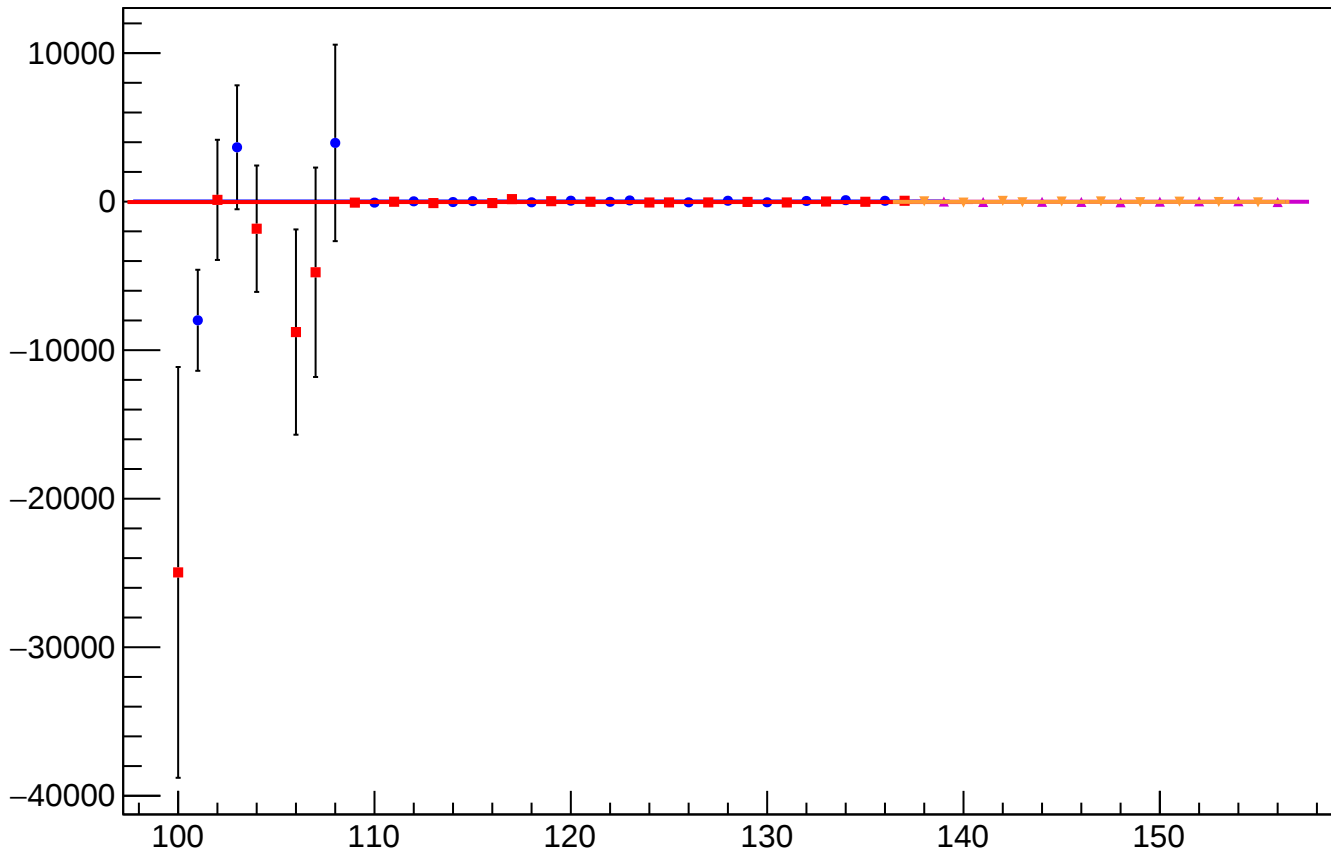
217.077+/-0.045 χ^2/NDF : 4660540.6/26

Right Out: 172.872+/-0.057 χ^2/NDF : 422275.2/19

179.146+/-0.039 χ^2/NDF : 5459562.4/28

Left In: 184.479+/-0.052 χ^2/NDF : 1214759.8/8

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: -15.231 $\pm$ 11.160 χ^2 /NDF: 8.4/9

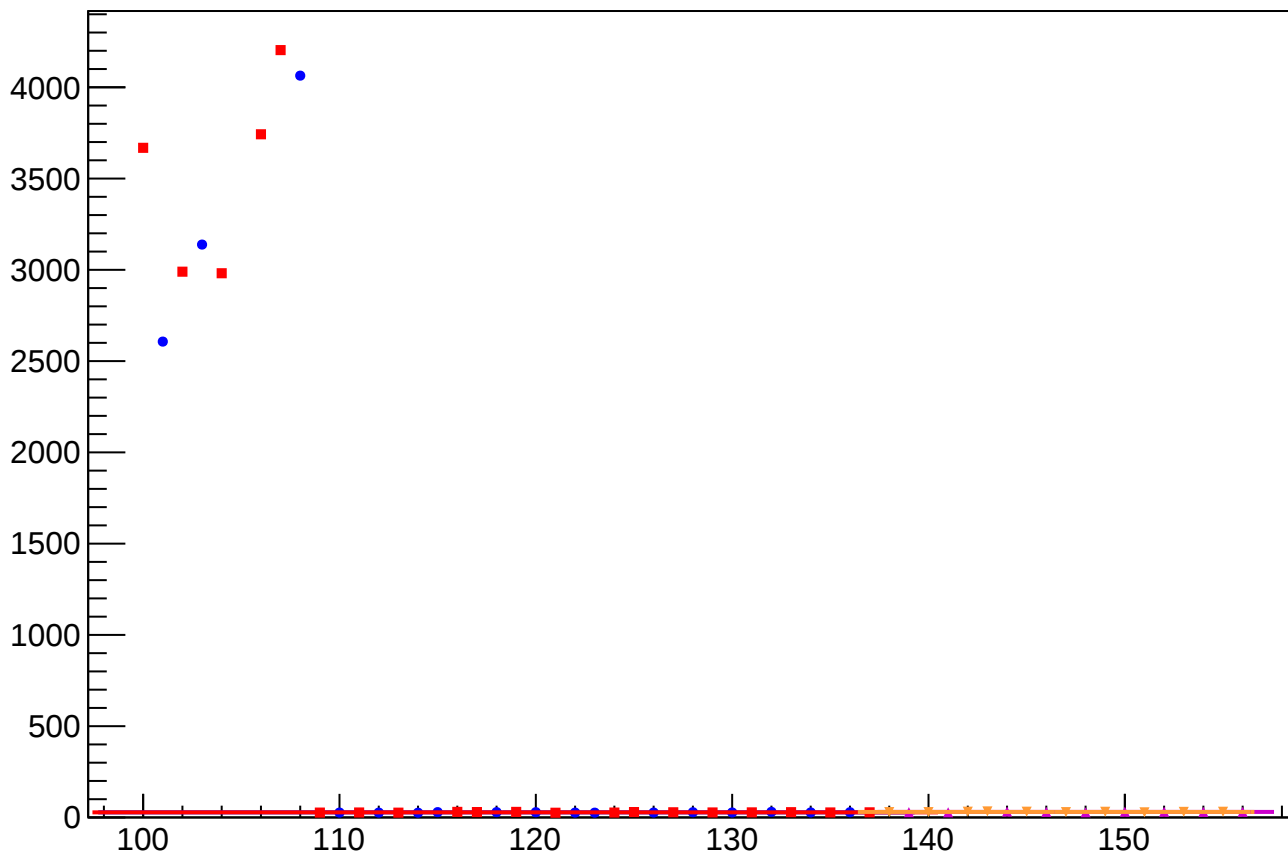
Right Out: -28.128 $\pm$ 12.282 χ^2 /NDF: 18.5/19

Left In: -8.085 $\pm$ 11.238 χ^2 /NDF: 3.6/8

-3.993 $\pm$ 8.257 χ^2 /NDF: 33.9/26

-17.219 $\pm$ 8.291 χ^2 /NDF: 23.5/28

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: 30.226+/-0.008 χ^2/NDF : 32423.9/9

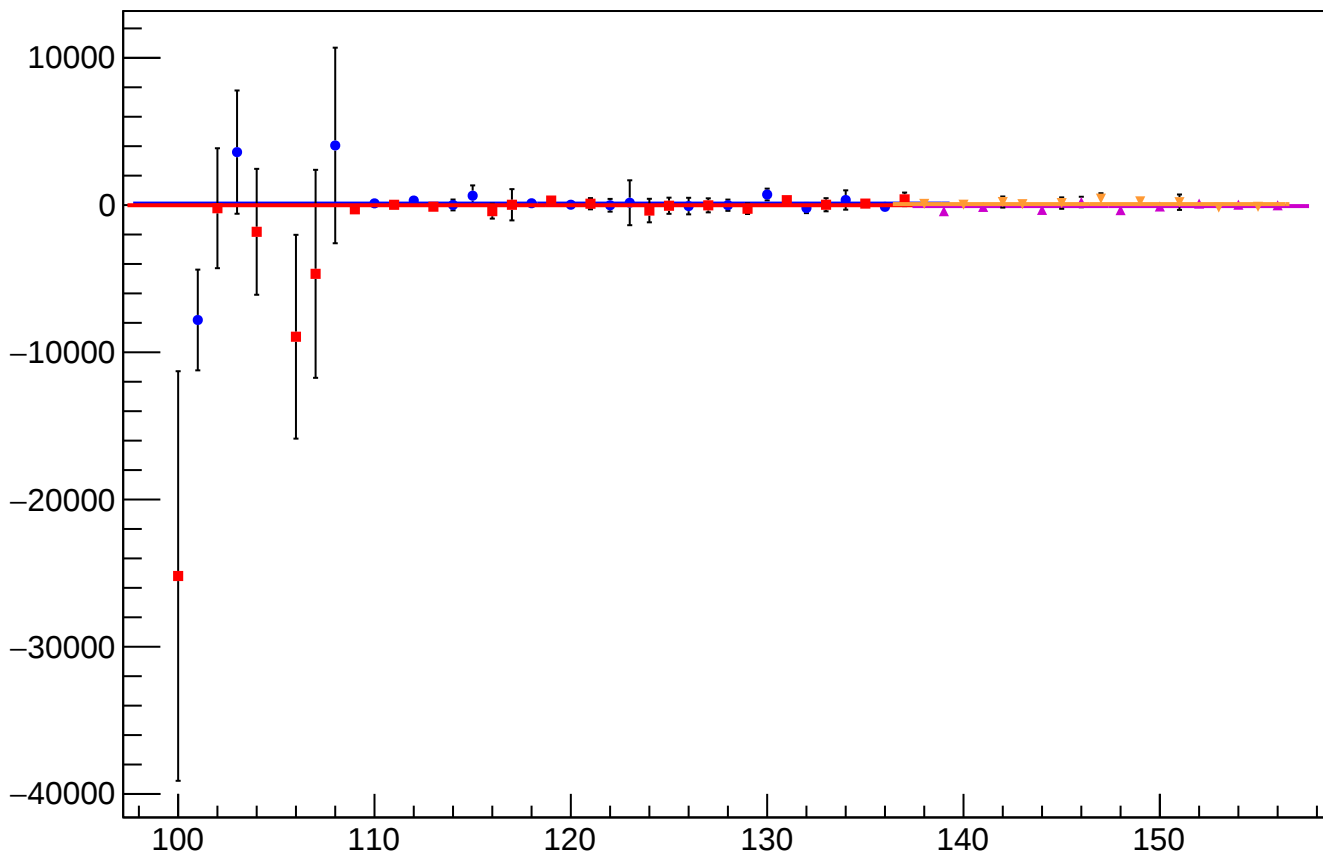
Right Out: 27.929+/-0.009 χ^2/NDF : 3479867.7/19

Left In: 30.321+/-0.008 χ^2/NDF : 32088.5/8

29.229+/-0.006 χ^2/NDF : 3094703.7/26

29.231+/-0.006 χ^2/NDF : 3553236.6/28

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: 67.064 $\pm$ 96.056 χ^2 /NDF: 3.2/9

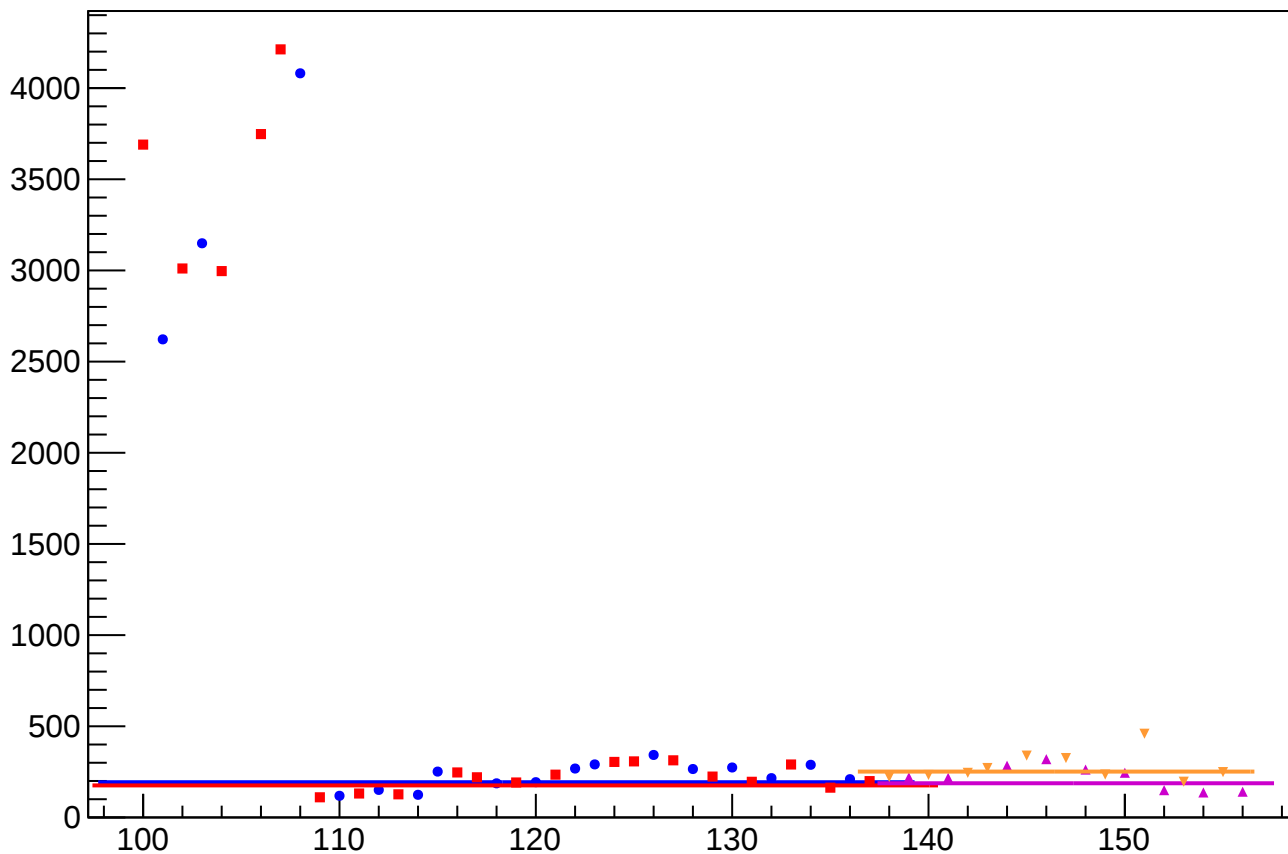
Right Out: -11.037 $\pm$ 81.486 χ^2 /NDF: 12.3/19

Left In: -68.587 $\pm$ 75.239 χ^2 /NDF: 5.0/8

85.858 $\pm$ 65.043 χ^2 /NDF: 15.7/26

-42.102 $\pm$ 55.279 χ^2 /NDF: 17.5/28

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.190 +/- 0.063 χ^2/NDF : 3536123.5/16

Left Out: 251.573 +/- 0.068 χ^2/NDF : 664271.1/9

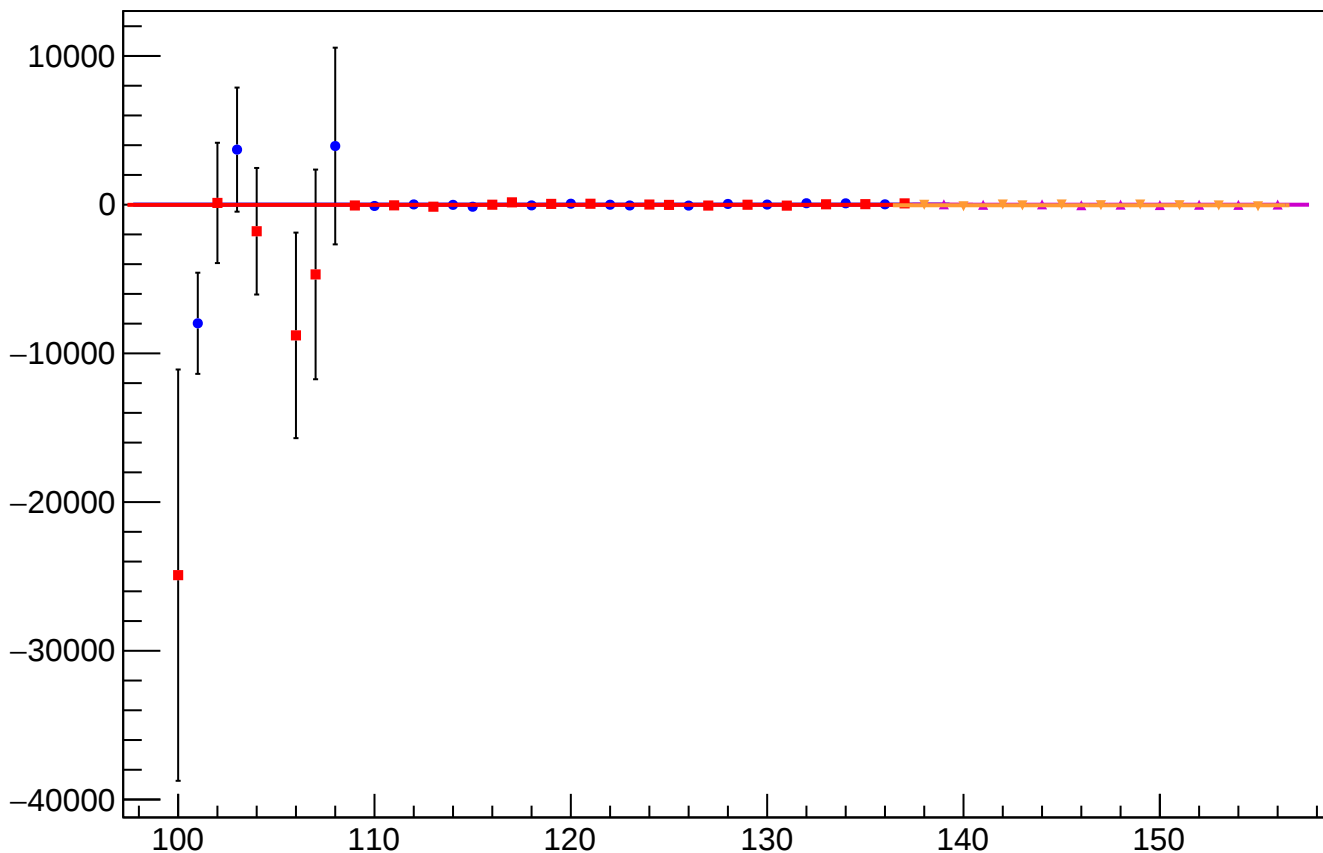
Right Out: 175.749 +/- 0.058 χ^2/NDF : 4168935.2/19

Left In: 187.542 +/- 0.053 χ^2/NDF : 1189002.0/8

219.959 +/- 0.046 χ^2/NDF : 4600468.7/26

182.115 +/- 0.039 χ^2/NDF : 5380546.0/28

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: -39.595+/-13.097 χ^2 /NDF:10.5/9

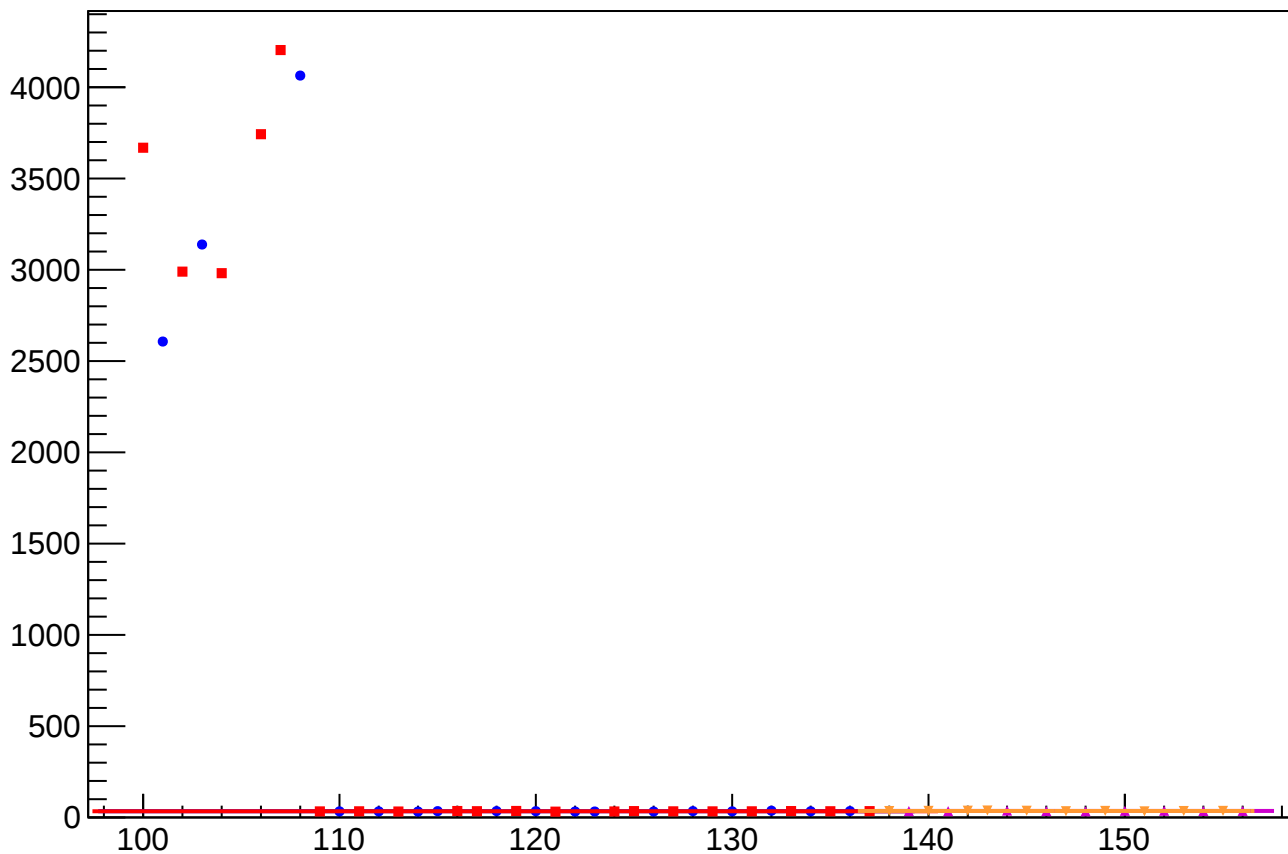
Right Out: -11.101+/-14.886 χ^2 /NDF: 22.7/19

Left In: -2.195+/-13.196 χ^2 /NDF:1.9/8

-20.360+/-9.847 χ^2 /NDF: 35.8/26

-6.115+/-9.875 χ^2 /NDF: 24.8/28

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: 35.522+/-0.009 χ^2/NDF :19319.8/9

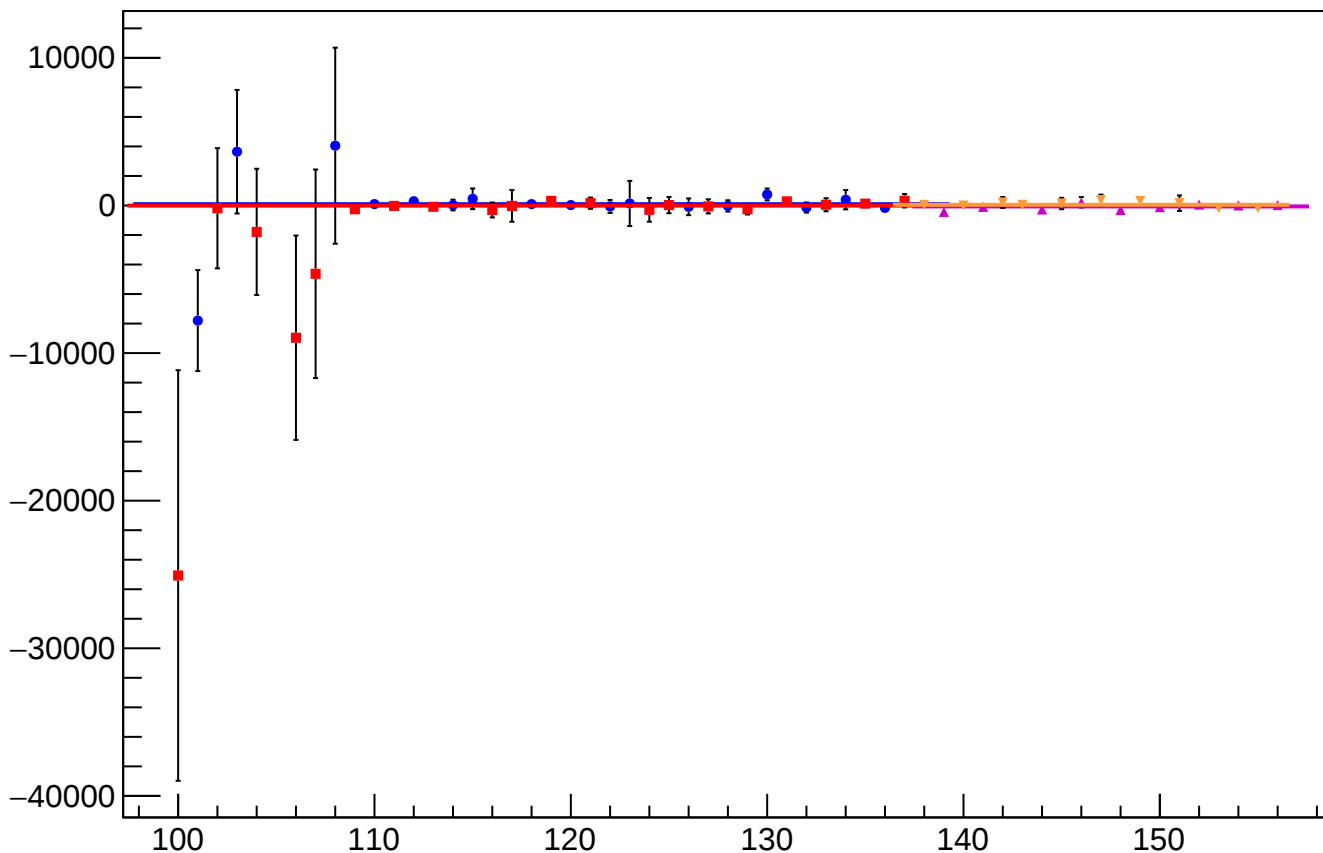
Right Out: 33.915+/-0.011 χ^2/NDF : 3451897.1/19

Left In: 35.663+/-0.009 χ^2/NDF :12676.8/8

34.920+/-0.007 χ^2/NDF : 3035281.9/26

34.894+/-0.007 χ^2/NDF : 3480011.2/28

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: 48.013+/-95.575 χ^2/NDF : 3.7/9

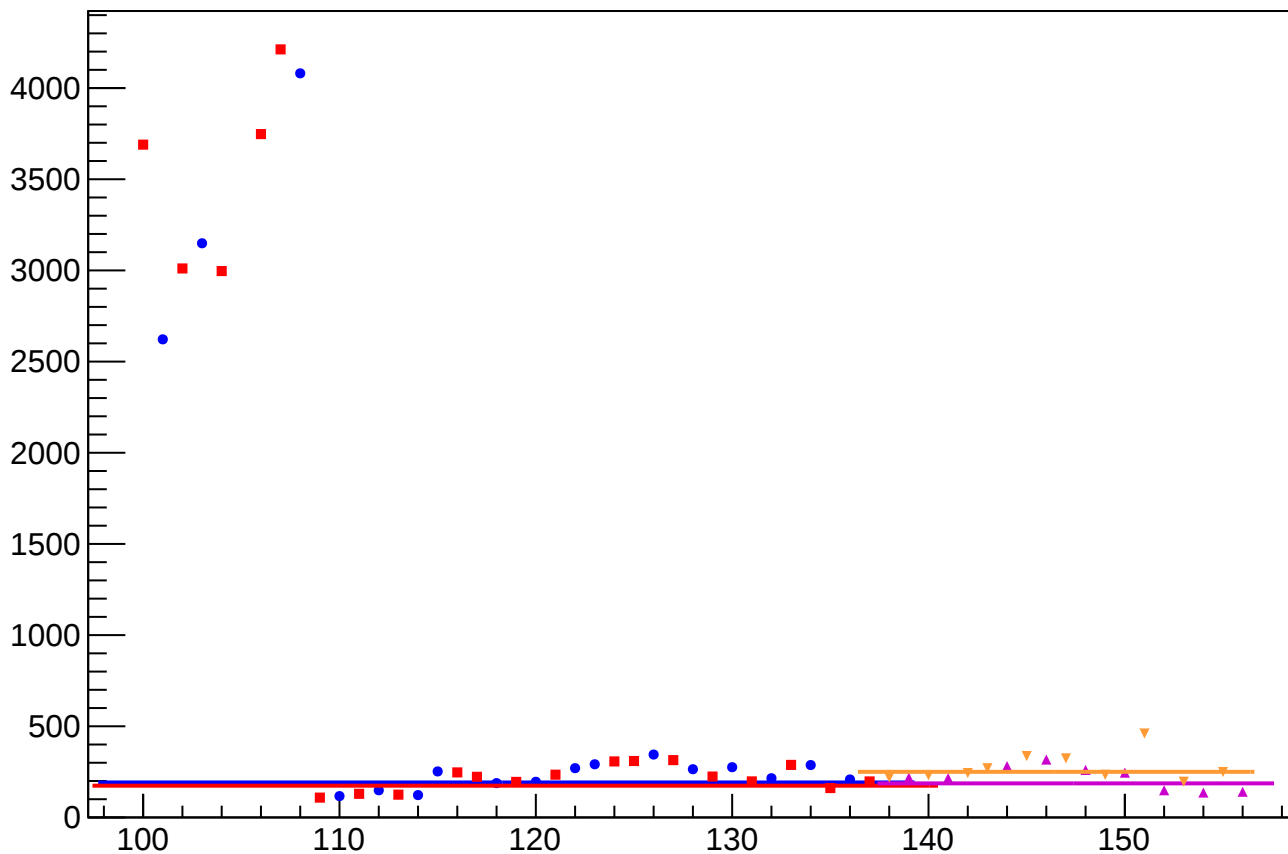
Right Out: -7.420+/-80.977 χ^2/NDF : 11.1/19

Left In: -64.322+/-74.984 χ^2/NDF : 4.5/8

68.605+/-64.717 χ^2/NDF : 16.2/26

-38.055+/-55.019 χ^2/NDF : 15.9/28

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: 250.257+/-0.068 χ^2/NDF : 667728.5/9

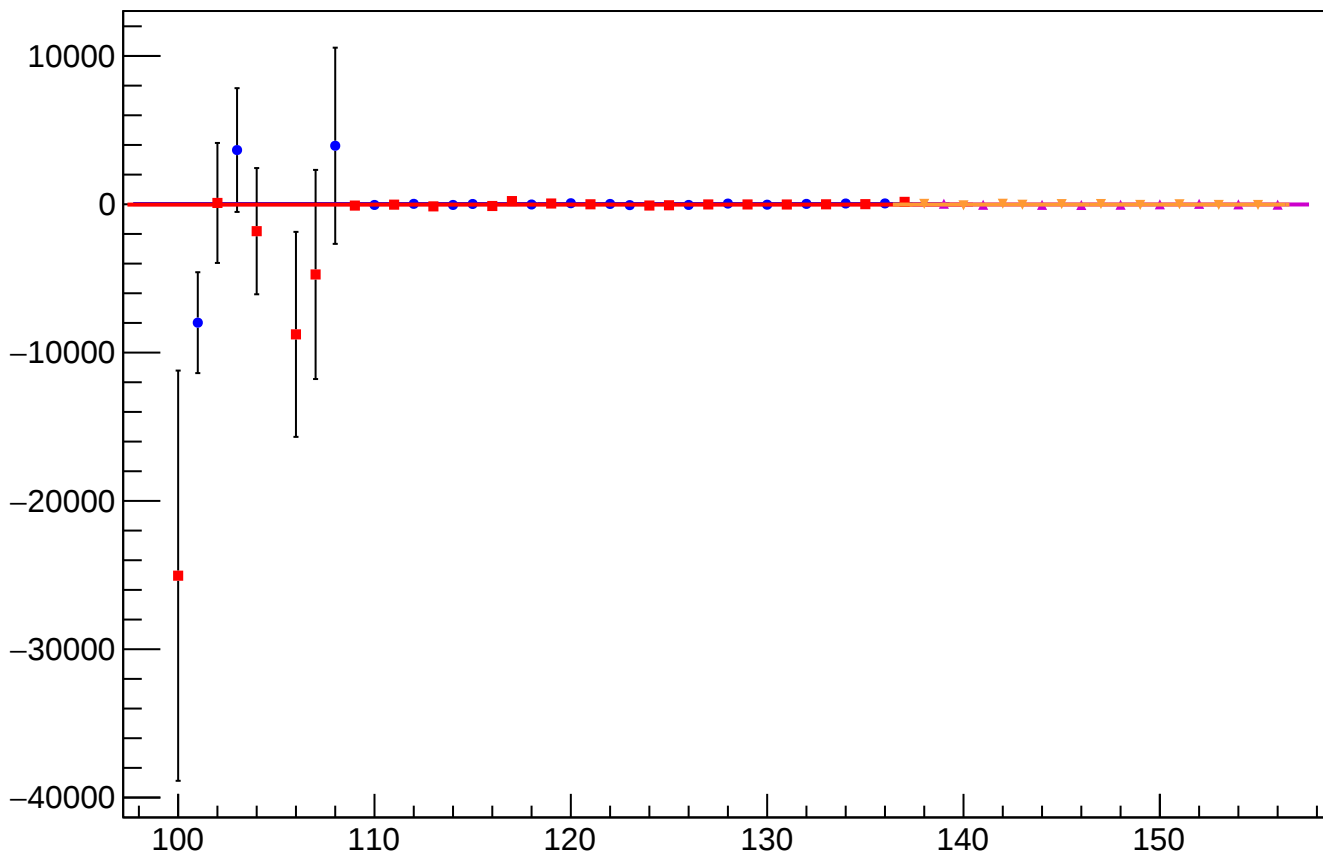
Right Out: 174.207+/-0.057 χ^2/NDF : 4215538.3/19

Left In: 186.918+/-0.053 χ^2/NDF : 1178371.5/8

218.646+/-0.046 χ^2/NDF : 4644815.5/26

181.050+/-0.039 χ^2/NDF : 5420443.6/28

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: -17.597+/-11.986 χ^2/NDF : 8.1/9

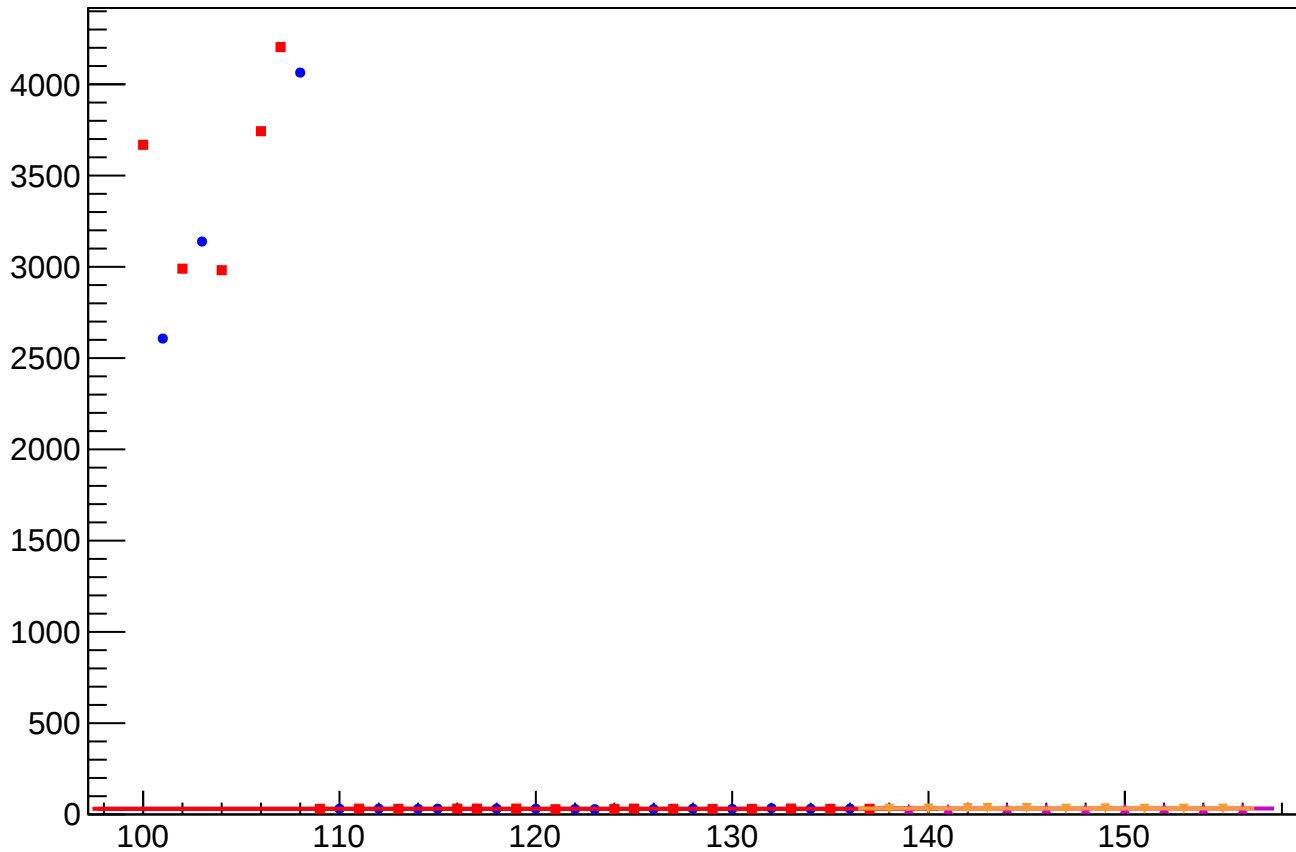
Right Out: -21.490+/-13.601 χ^2/NDF : 29.9/19

Left In: -13.568+/-12.044 χ^2/NDF : 5.0/8

-3.752+/-8.997 χ^2/NDF : 26.4/26

-17.050+/-9.017 χ^2/NDF : 35.1/28

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: 32.472+/-0.008 χ^2/NDF : 32290.5/9

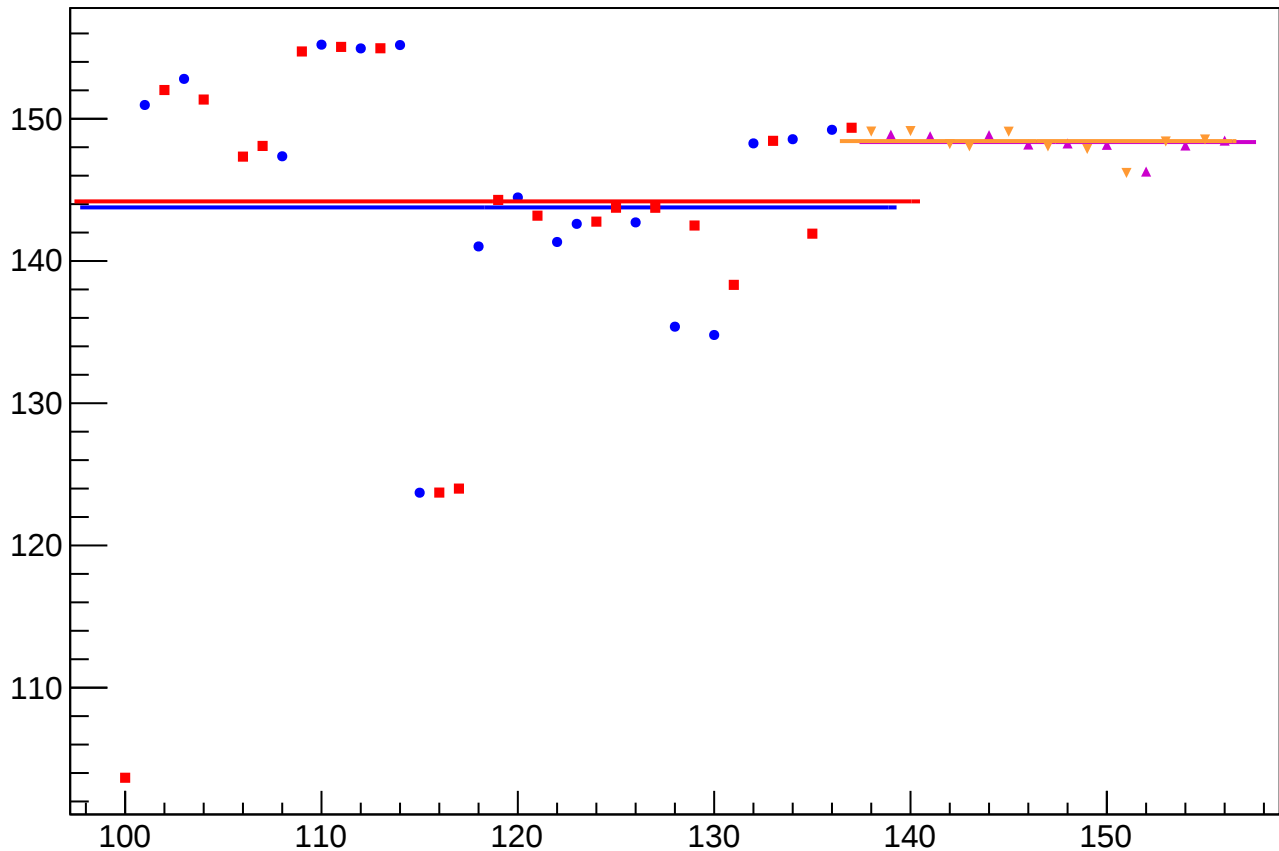
Right Out: 30.970+/-0.010 χ^2/NDF : 3459018.8/19

Left In: 32.493+/-0.009 χ^2/NDF : 25120.2/8

31.885+/-0.006 χ^2/NDF : 3057723.0/26

31.824+/-0.006 χ^2/NDF : 3498178.6/28

yield_bcm_an_ds_mean vs Slug



Right In: 143.768 ± 0.000 χ^2/NDF : 3532173868.5/16

Left Out: 148.432 ± 0.000 χ^2/NDF : 30731523.5/9

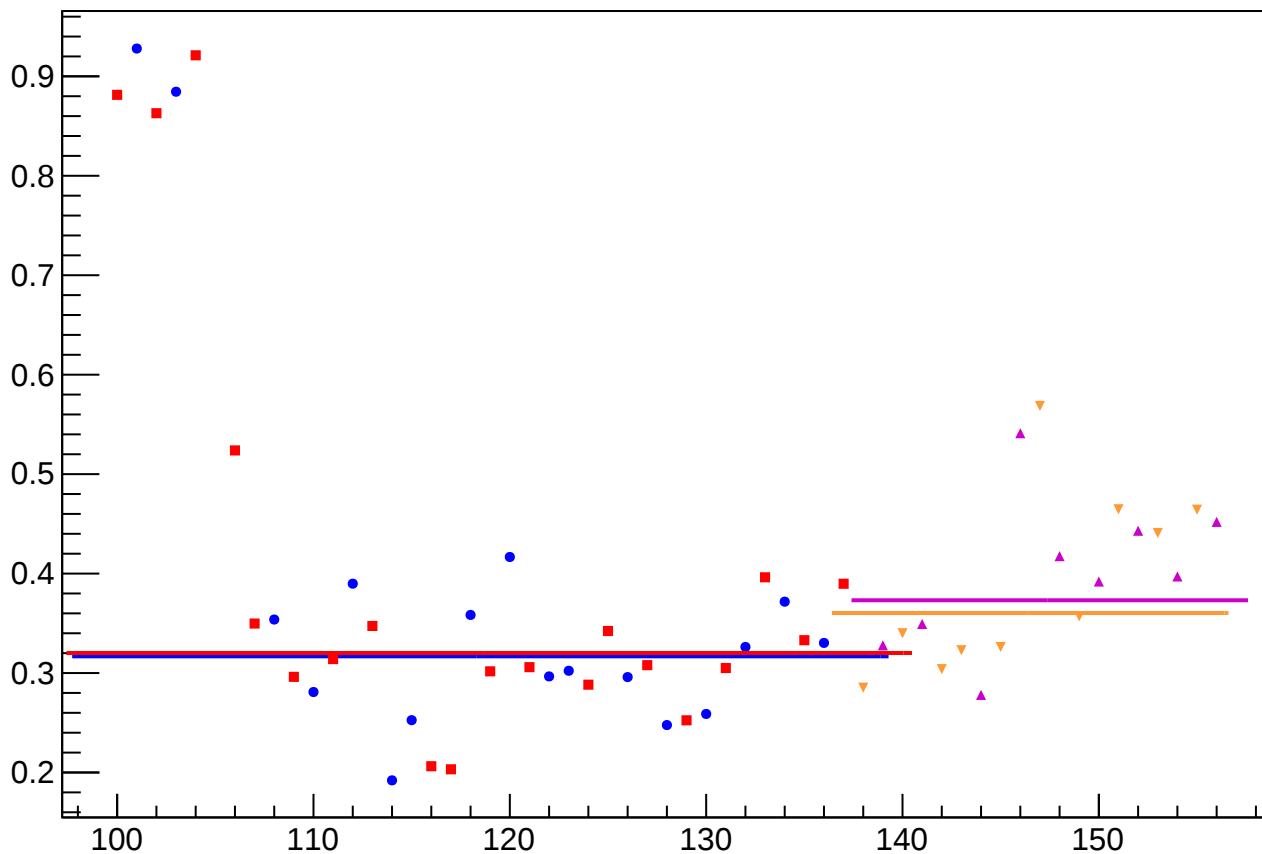
Right Out: 144.192 ± 0.000 χ^2/NDF : 4524049993.1/19

Left In: 148.363 ± 0.000 χ^2/NDF : 23035459.6/8

146.024 ± 0.000 χ^2/NDF : 4148306543.3/26

146.110 ± 0.000 χ^2/NDF : 5006239572.0/28

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1278613.2/16

Left Out: 0.360 $\pm$ 0.000 χ^2 /NDF:566276.9/9

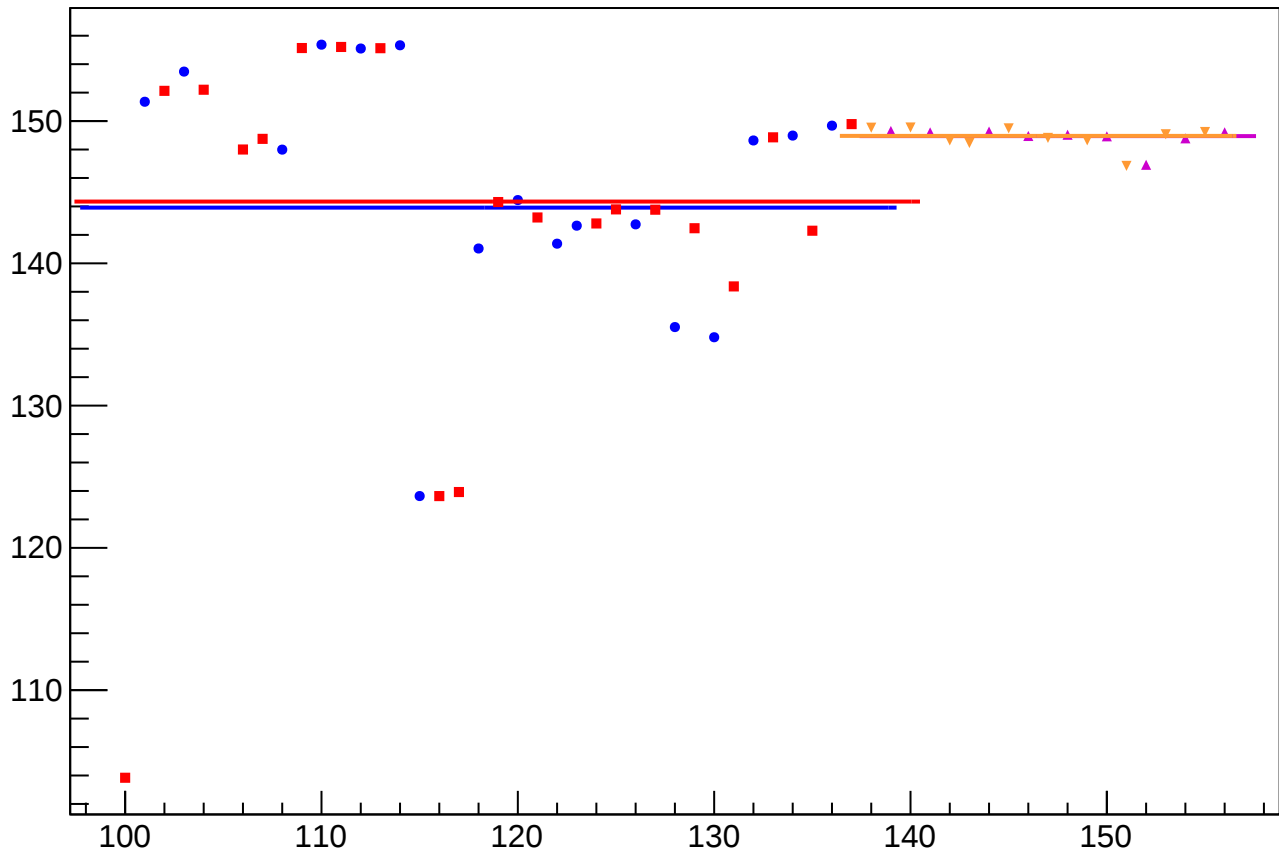
Right Out: 0.320 $\pm$ 0.000 χ^2 /NDF: 1240600.2/19

Left In: 0.373 $\pm$ 0.000 χ^2 /NDF:491861.1/8

0.338 $\pm$ 0.000 χ^2 /NDF: 1946941.1/26

0.345 $\pm$ 0.000 χ^2 /NDF: 1880692.7/28

yield_bcm_an_ds3_mean vs Slug



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

Left Out: 148.959 ± 0.000 χ^2/NDF : 24780455.1/9

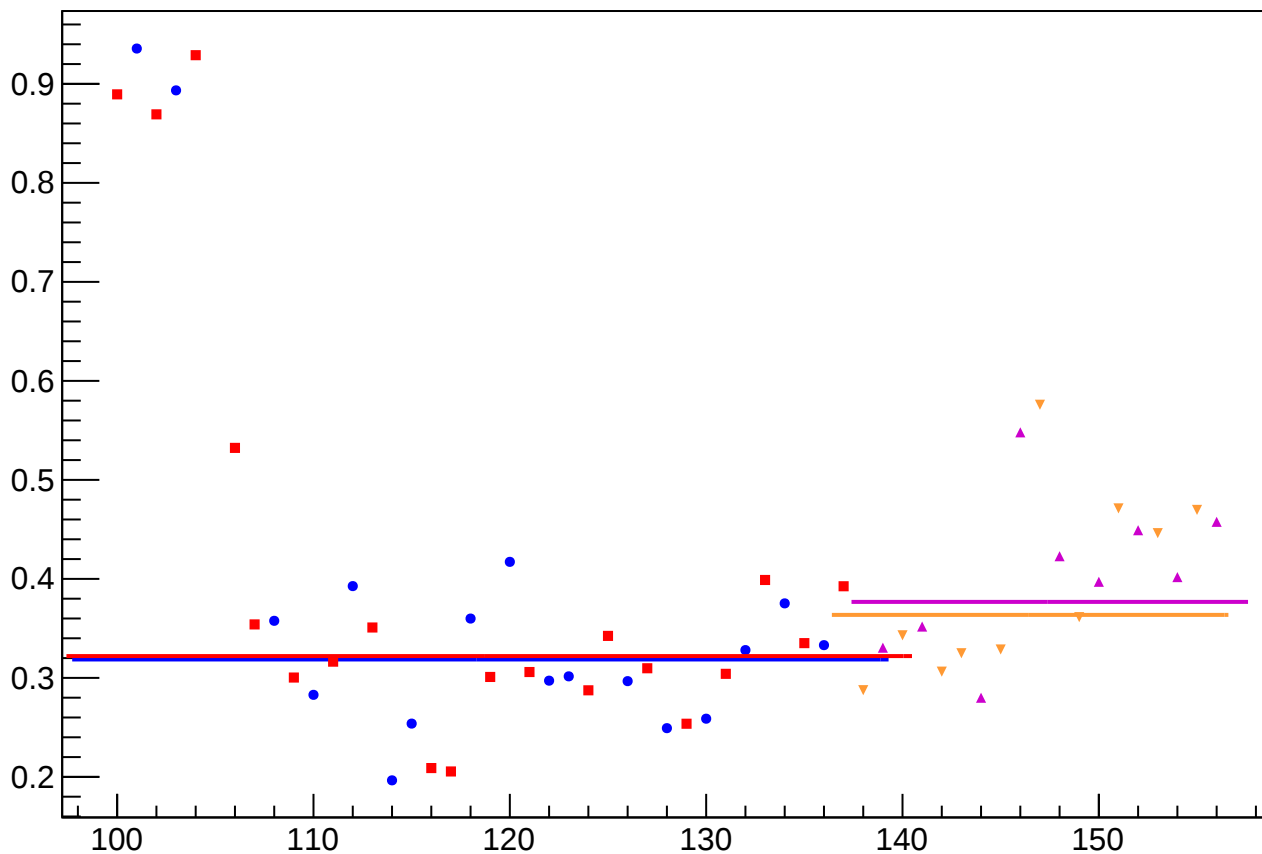
Right Out: 144.342 ± 0.000 χ^2/NDF : 4551365931.0/19

Left In: 148.944 ± 0.000 χ^2/NDF : 18465269.8/8

146.346 ± 0.000 χ^2/NDF : 4283399041.1/26

146.448 ± 0.000 χ^2/NDF : 5119572667.3/28

yield_bcm_an_ds3_rms vs Slug



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

Left Out: 0.364+/-0.000 χ^2/NDF : 577148.0/9

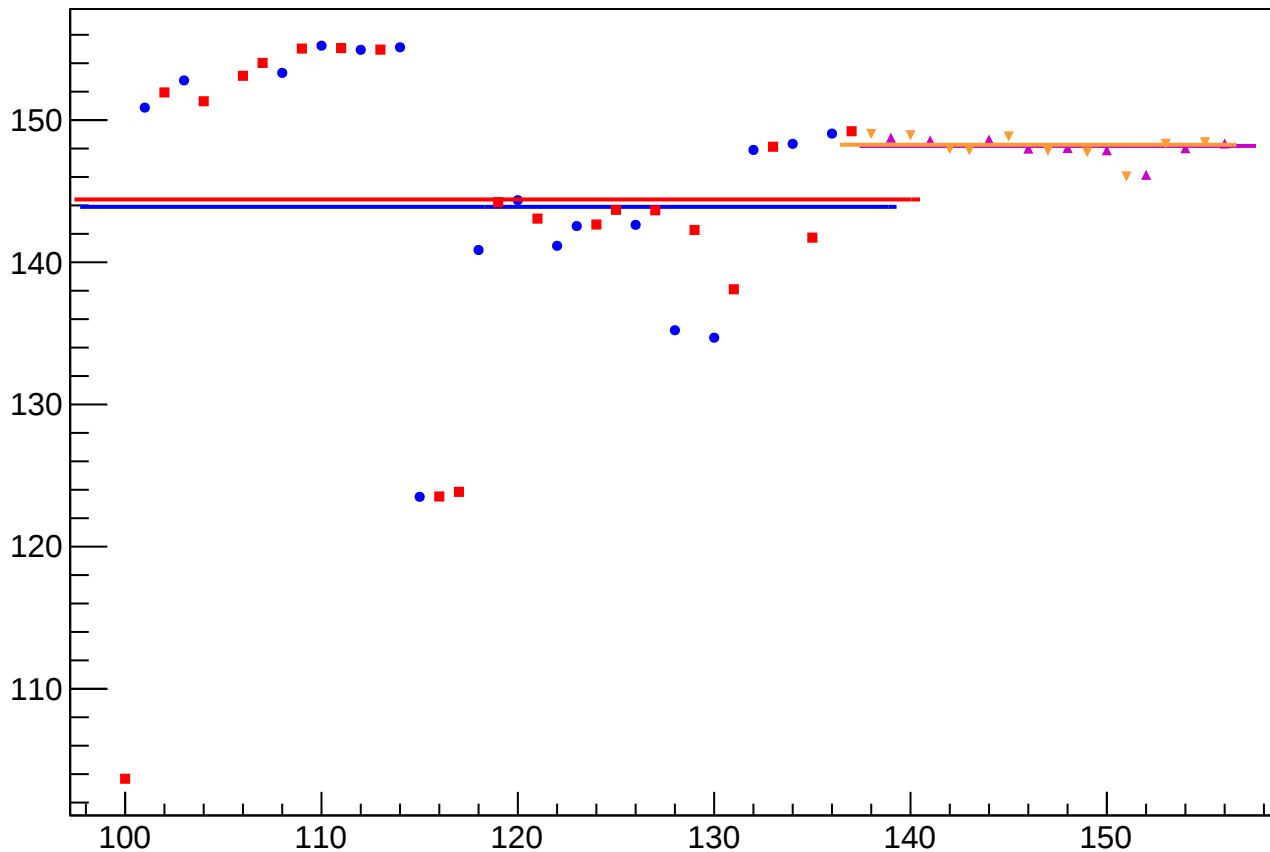
Right Out: 0.322+/-0.000 χ^2/NDF : 1243109.0/19

Left In: 0.377+/-0.000 χ^2/NDF : 503945.4/8

0.340+/-0.000 χ^2/NDF : 1965421.8/26

0.347+/-0.000 χ^2/NDF : 1902658.8/28

yield_bcm_an_us_mean vs Slug



Right In: 143.899 ± 0.000 χ^2/NDF : 3749888331.0/16

Left Out: 148.268 ± 0.000 χ^2/NDF : 30900479.6/9

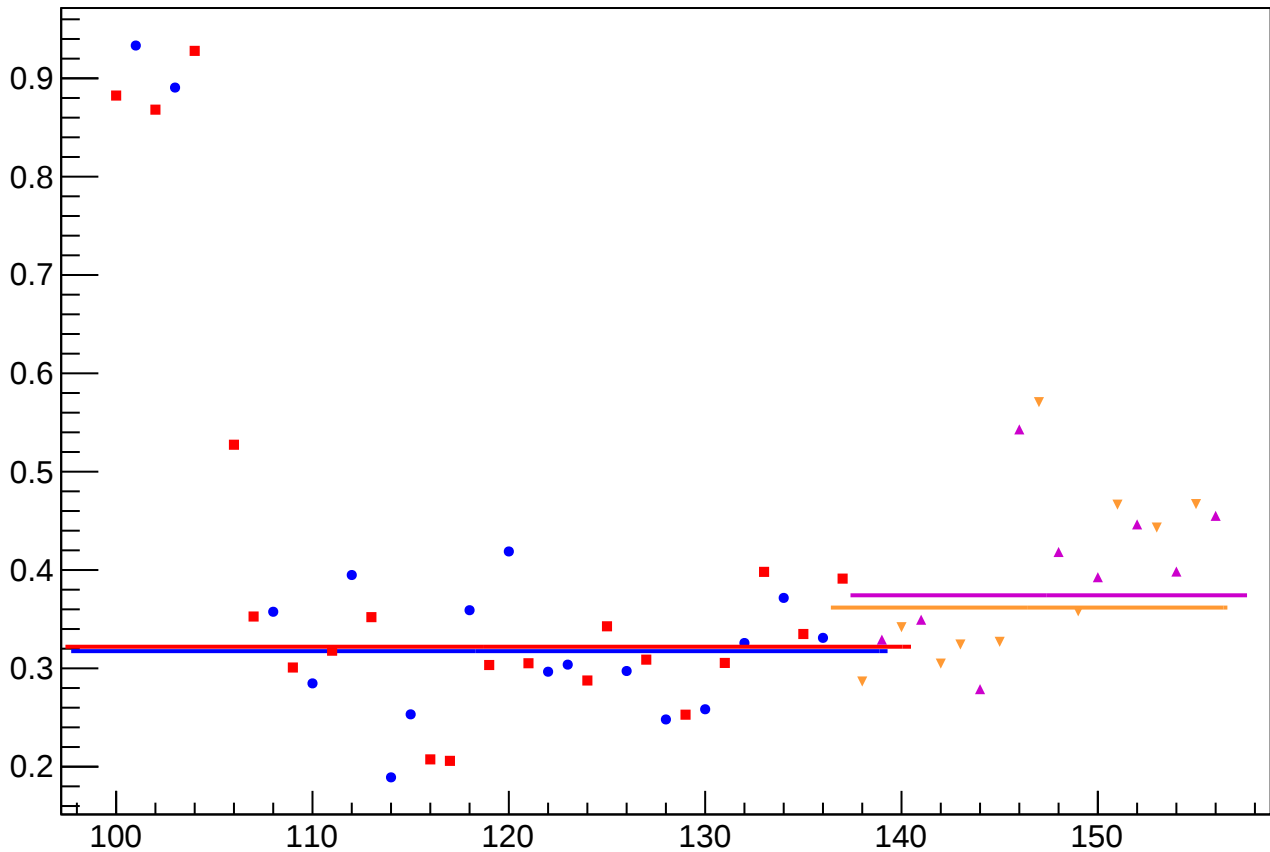
Right Out: 144.419 ± 0.000 χ^2/NDF : 4820290476.6/19

Left In: 148.183 ± 0.000 χ^2/NDF : 22313612.1/8

146.009 ± 0.000 χ^2/NDF : 4290936199.2/26

146.154 ± 0.000 χ^2/NDF : 5213359909.8/28

yield_bcm_an_us_rms vs Slug



Right In: 0.317+/-0.000 χ^2/NDF : 1293179.2/16

Left Out: 0.362+/-0.000 χ^2/NDF : 567807.7/9

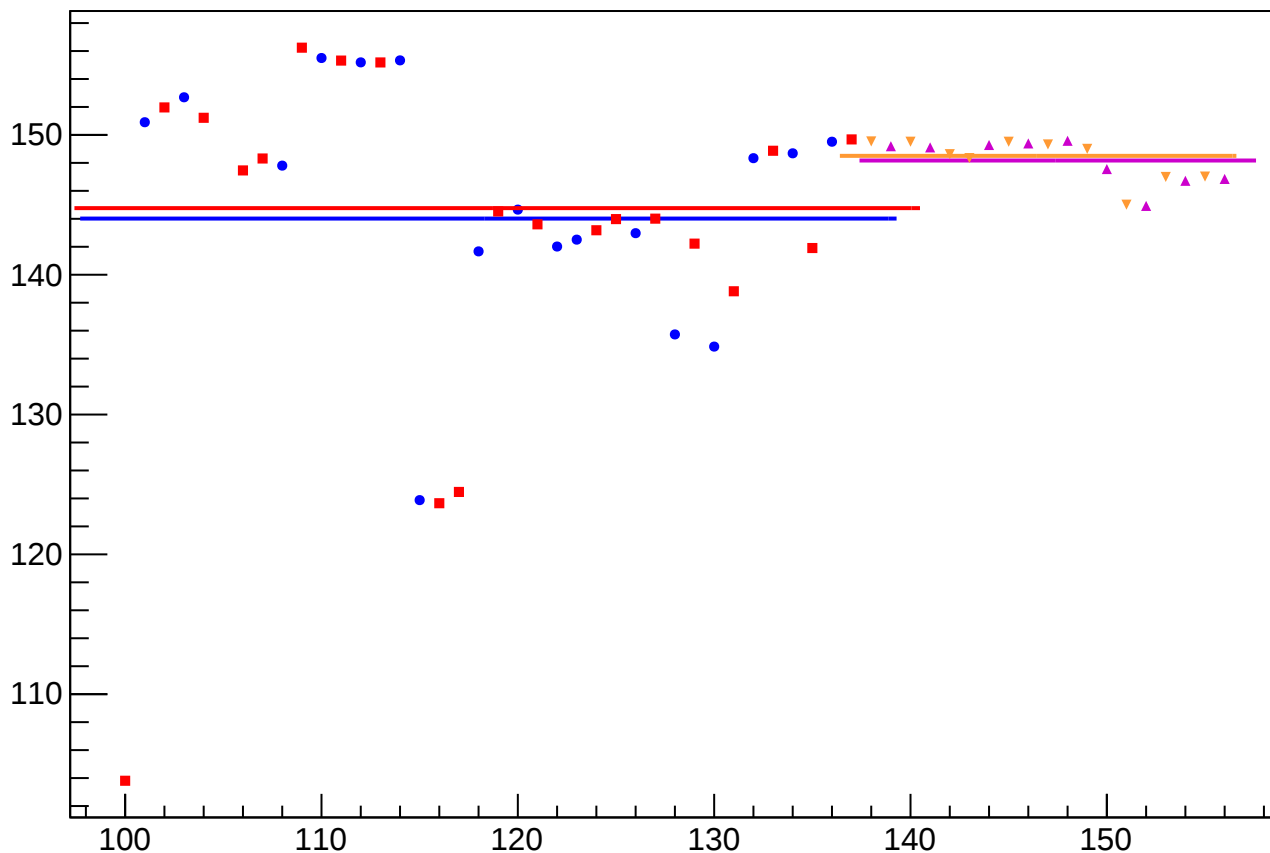
Right Out: 0.322+/-0.000 χ^2/NDF : 1243703.4/19

Left In: 0.374+/-0.000 χ^2/NDF : 495762.7/8

0.339+/-0.000 χ^2/NDF : 1965958.2/26

0.346+/-0.000 χ^2/NDF : 1882603.7/28

yield_bcm_dg_us_mean vs Slug



Right In: 144.018+/-0.000 χ^2/NDF : 3238525527.6/16

Left Out: 148.504+/-0.000 χ^2/NDF : 80847038.3/9

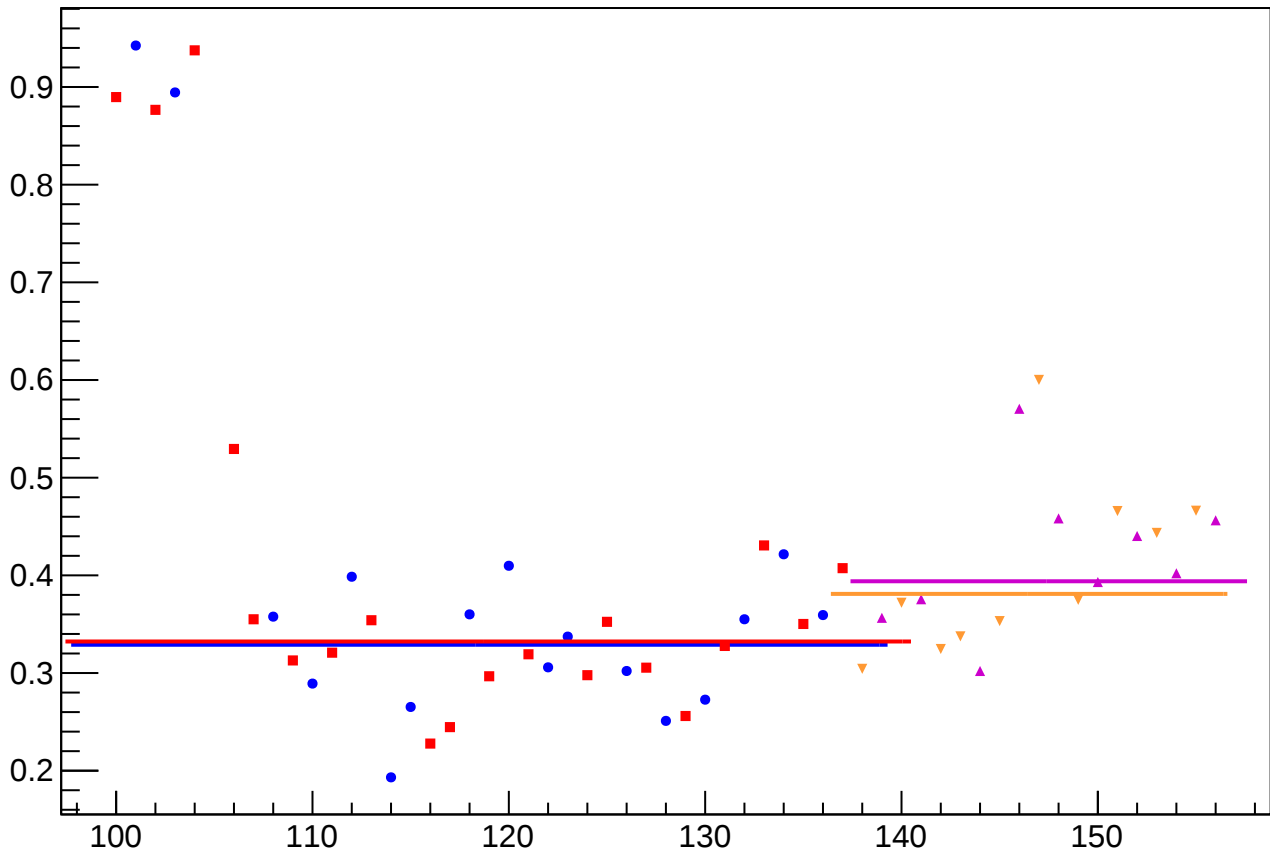
Right Out: 144.764+/-0.000 χ^2/NDF : 4098462011.9/19

Left In: 148.170+/-0.000 χ^2/NDF : 93514443.4/8

146.152+/-0.000 χ^2/NDF : 3811434768.0/26

146.304+/-0.000 χ^2/NDF : 4471751603.4/28

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.381 ± 0.000 χ^2/NDF : 470999.0/9

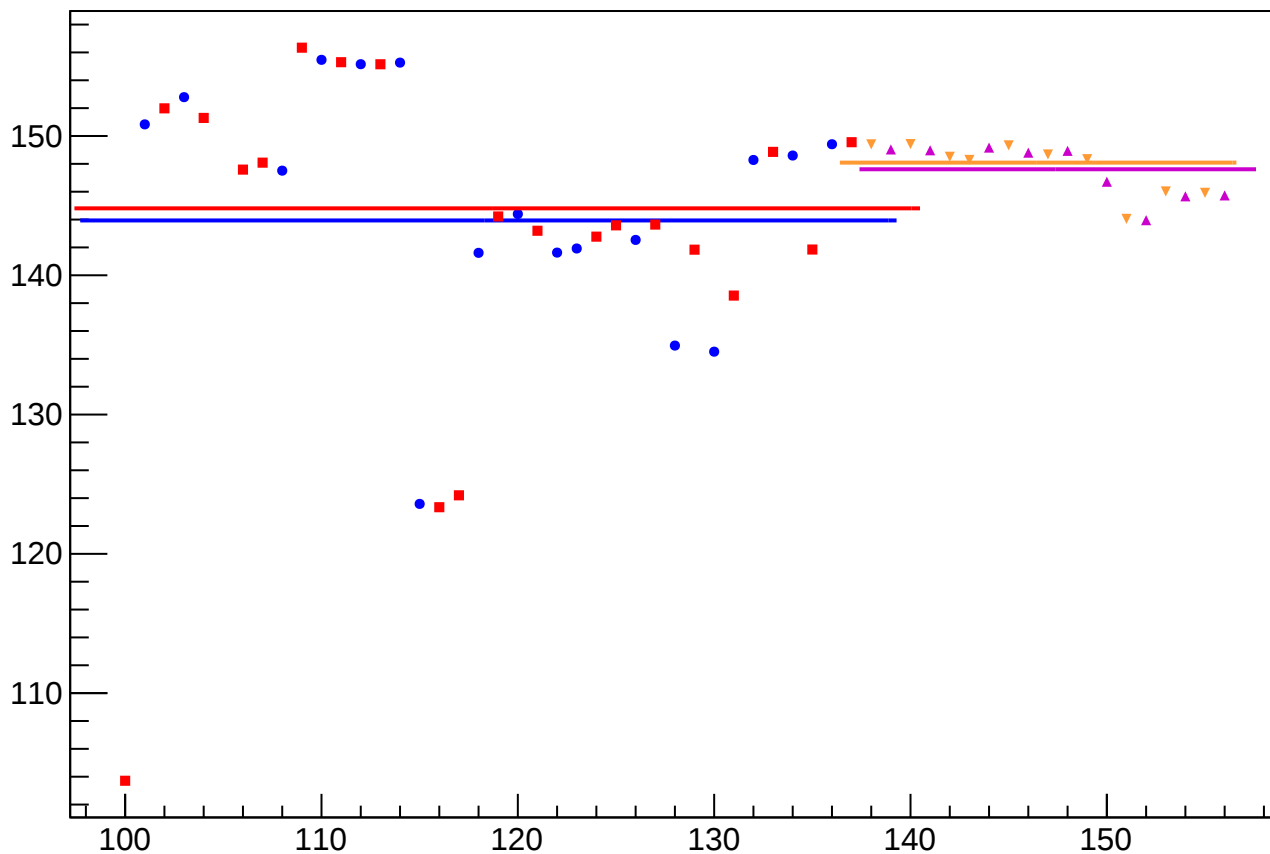
Right Out: 0.332 ± 0.000 χ^2/NDF : 1191637.2/19

Left In: 0.394 ± 0.000 χ^2/NDF : 397200.8/8

0.354 ± 0.000 χ^2/NDF : 1879636.2/26

0.360 ± 0.000 χ^2/NDF : 1772186.2/28

yield_bcm_dg_ds_mean vs Slug



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

Left Out: 148.088 ± 0.000 χ^2/NDF : 122752708.8/9

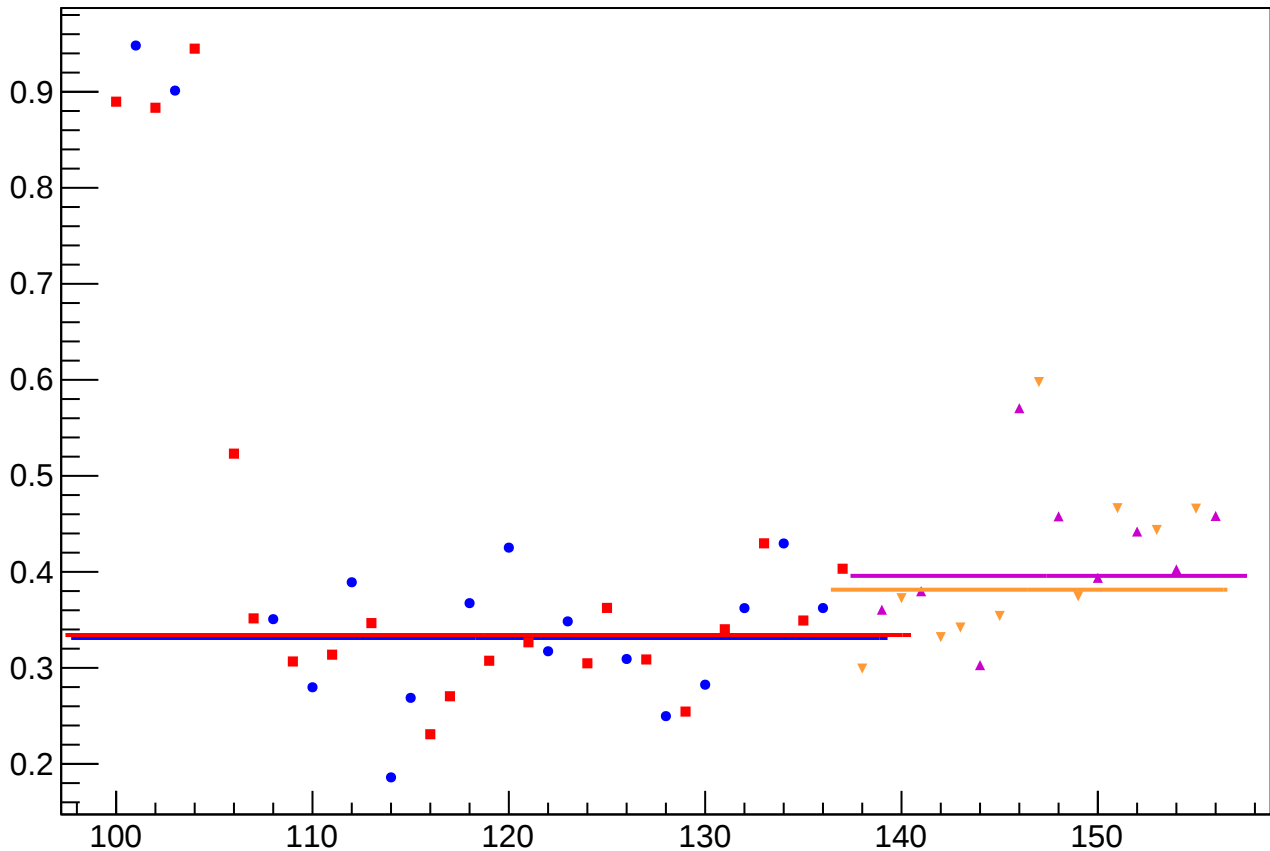
Right Out: 144.806 ± 0.000 χ^2/NDF : 4139087143.3/19

Left In: 147.611 ± 0.000 χ^2/NDF : 140921526.2/8

145.925 ± 0.000 χ^2/NDF : 3918867917.3/26

146.075 ± 0.000 χ^2/NDF : 4467403057.0/28

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331 ± 0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.381 ± 0.000 χ^2/NDF : 470730.2/9

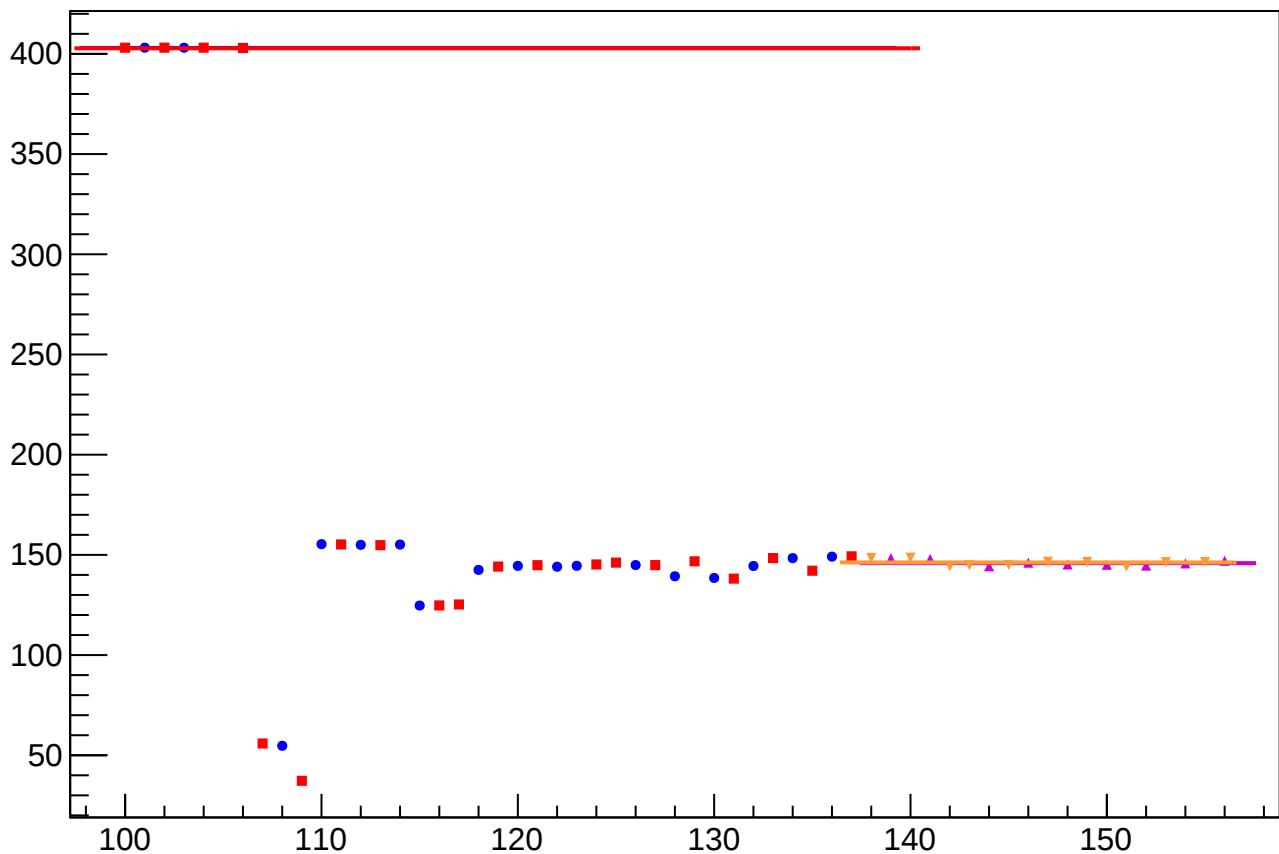
0.355 ± 0.000 χ^2/NDF : 1888701.2/26

Right Out: 0.334 ± 0.000 χ^2/NDF : 1176170.4/19

0.362 ± 0.000 χ^2/NDF : 1746372.1/28

Left In: 0.396 ± 0.000 χ^2/NDF : 389371.7/8

yield_cav4bQ_mean vs Slug



Right In: 402.957+/-0.000 χ^2/NDF : 1096710296821.6/16

Left Out: 146.235+/-0.000 χ^2/NDF : 30441685.8/9

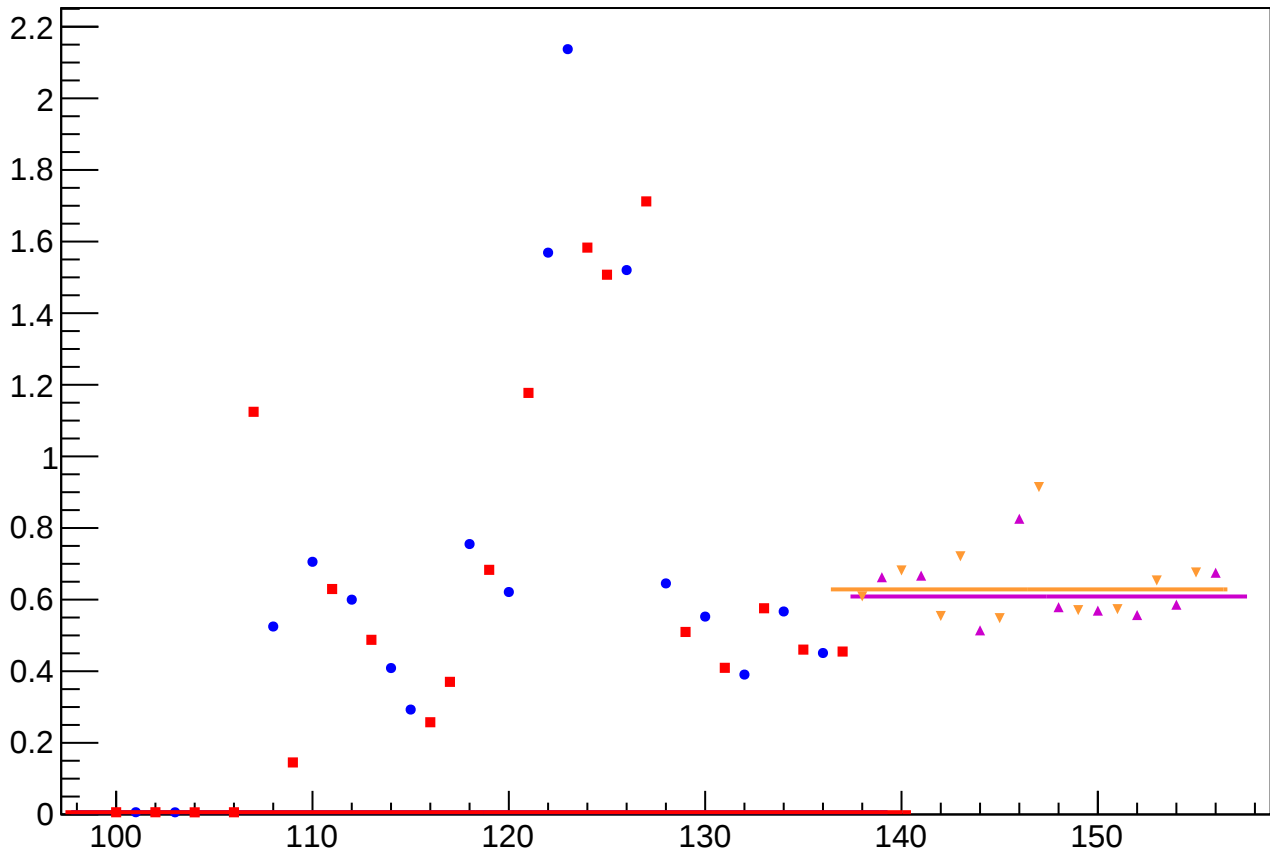
Right Out: 402.797+/-0.000 χ^2/NDF : 3122752044607.2/19

Left In: 145.895+/-0.000 χ^2/NDF : 24926671.5/8

402.857+/-0.000 χ^2/NDF : 1898141183506.0/20

402.702+/-0.000 χ^2/NDF : 3979439928247.7/28

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.629+/-0.000 χ^2/NDF :175293.2/9

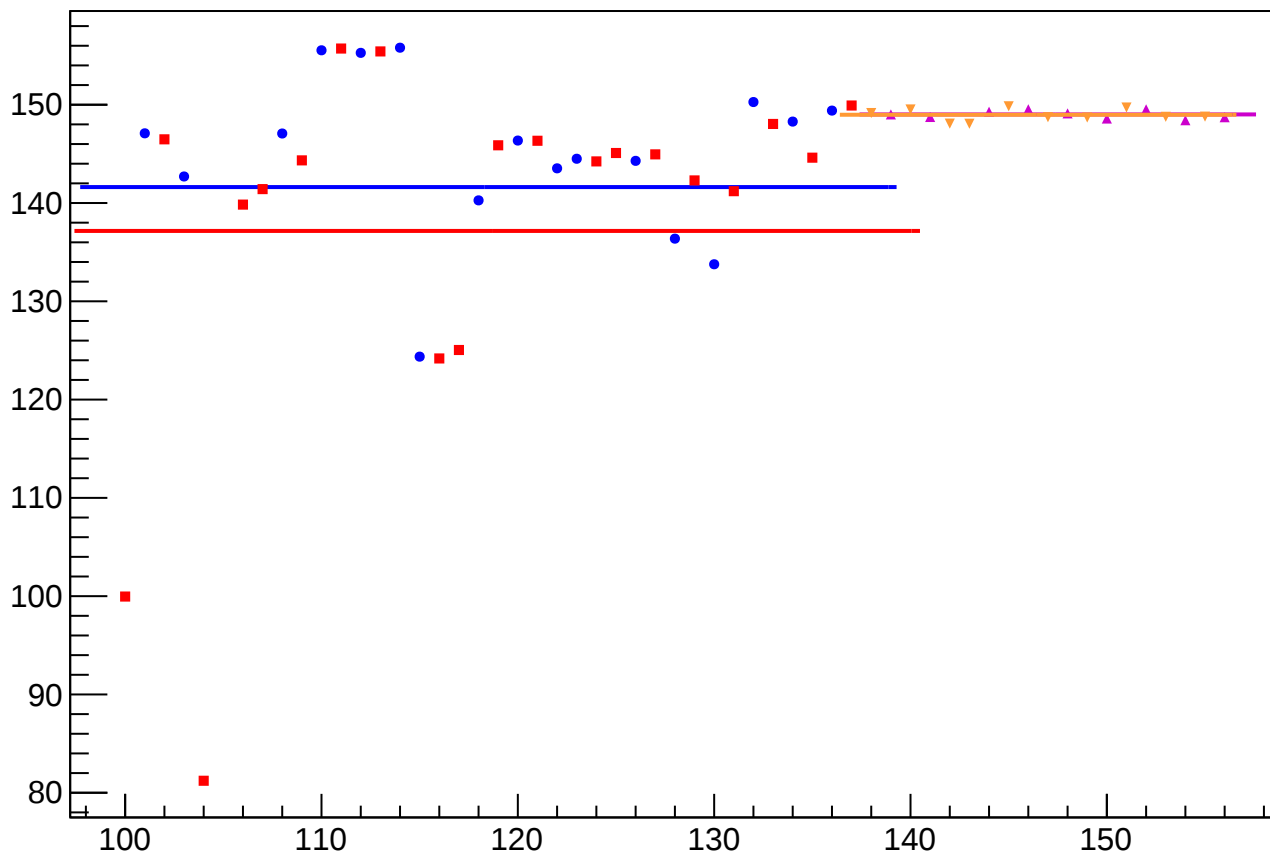
Right Out: 0.006+/-0.000 χ^2/NDF : 9277290.2/19

Left In: 0.609+/-0.000 χ^2/NDF :153529.2/8

0.007+/-0.000 χ^2/NDF : 18752243.2/26

0.007+/-0.000 χ^2/NDF : 18851572.9/28

yield_cav4cQ_mean vs Slug



Right In: 141.622 $\pm$ 0.000 χ^2 /NDF: 982037737.7/16

Left Out: 148.980 $\pm$ 0.000 χ^2 /NDF: 8504536.5/9

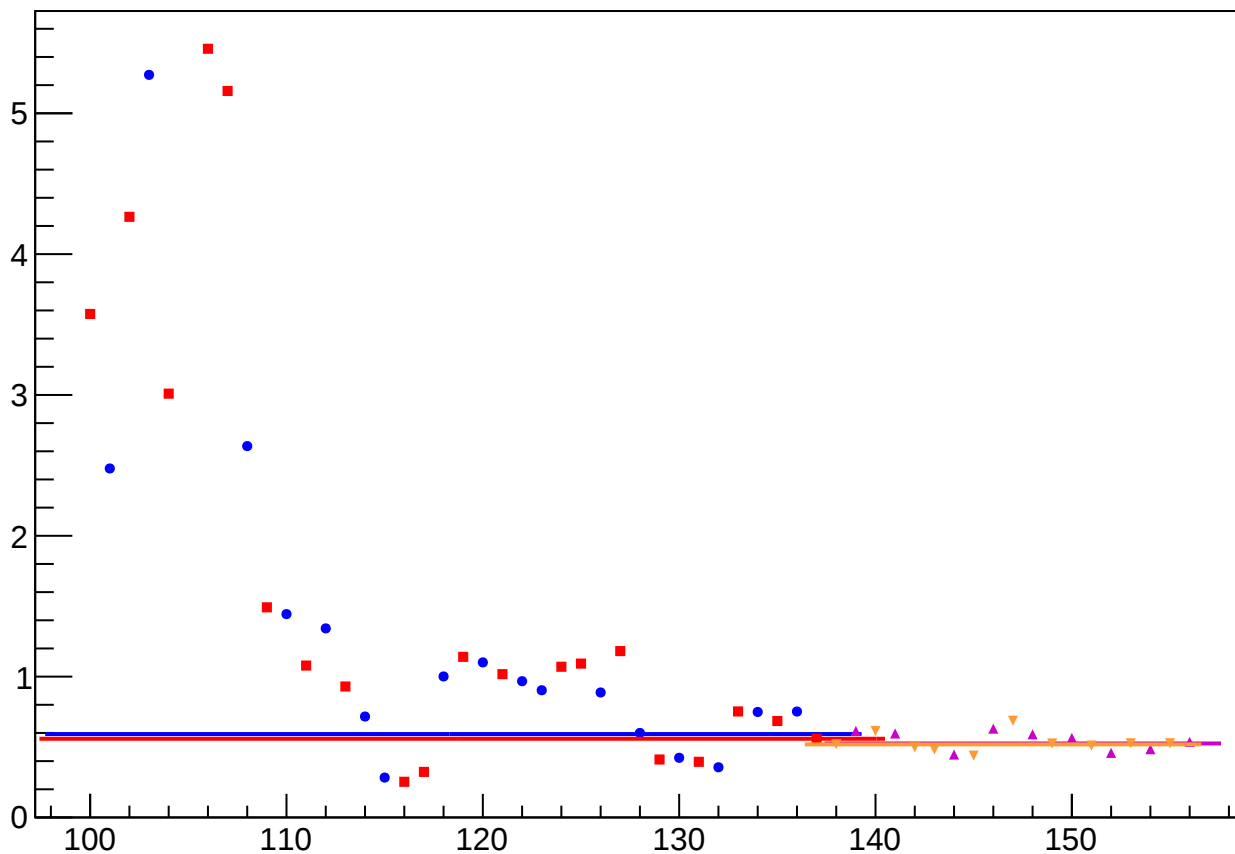
Right Out: 137.160 $\pm$ 0.000 χ^2 /NDF: 1365742338.8/19

Left In: 149.014 $\pm$ 0.000 χ^2 /NDF: 3814777.9/8

146.724 $\pm$ 0.000 χ^2 /NDF: 1370428064.9/26

145.146 $\pm$ 0.000 χ^2 /NDF: 2406272537.8/28

yield_cav4cQ_rms vs Slug



Right In: 0.592+/-0.000 χ^2/NDF : 3521577.2/16

Left Out: 0.519+/-0.000 χ^2/NDF : 163834.6/9

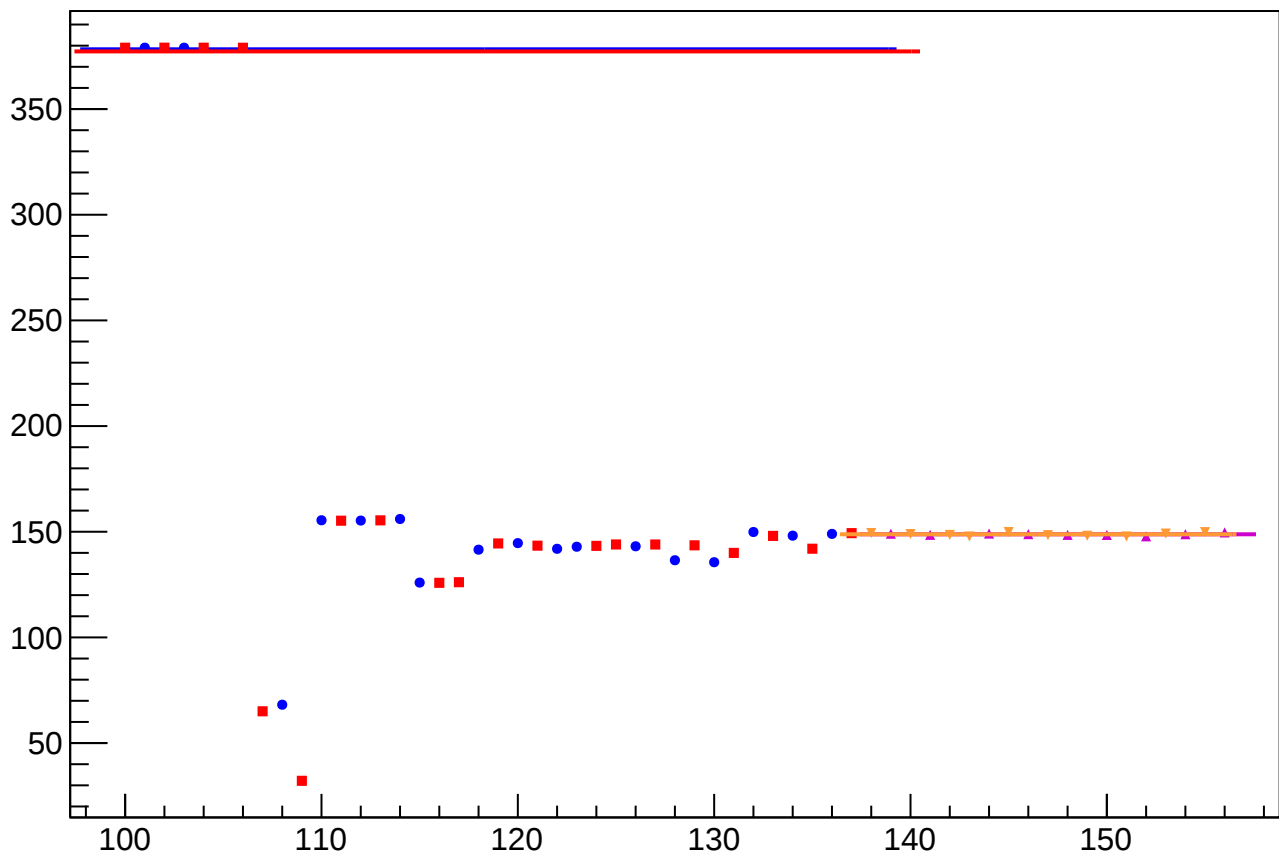
Right Out: 0.559+/-0.000 χ^2/NDF : 4719868.1/19

Left In: 0.525+/-0.000 χ^2/NDF : 191530.3/8

0.541+/-0.000 χ^2/NDF : 3761182.5/26

0.536+/-0.000 χ^2/NDF : 4928051.9/28

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16

Left Out: 148.798+/-0.000 χ^2/NDF : 22771109.7/9

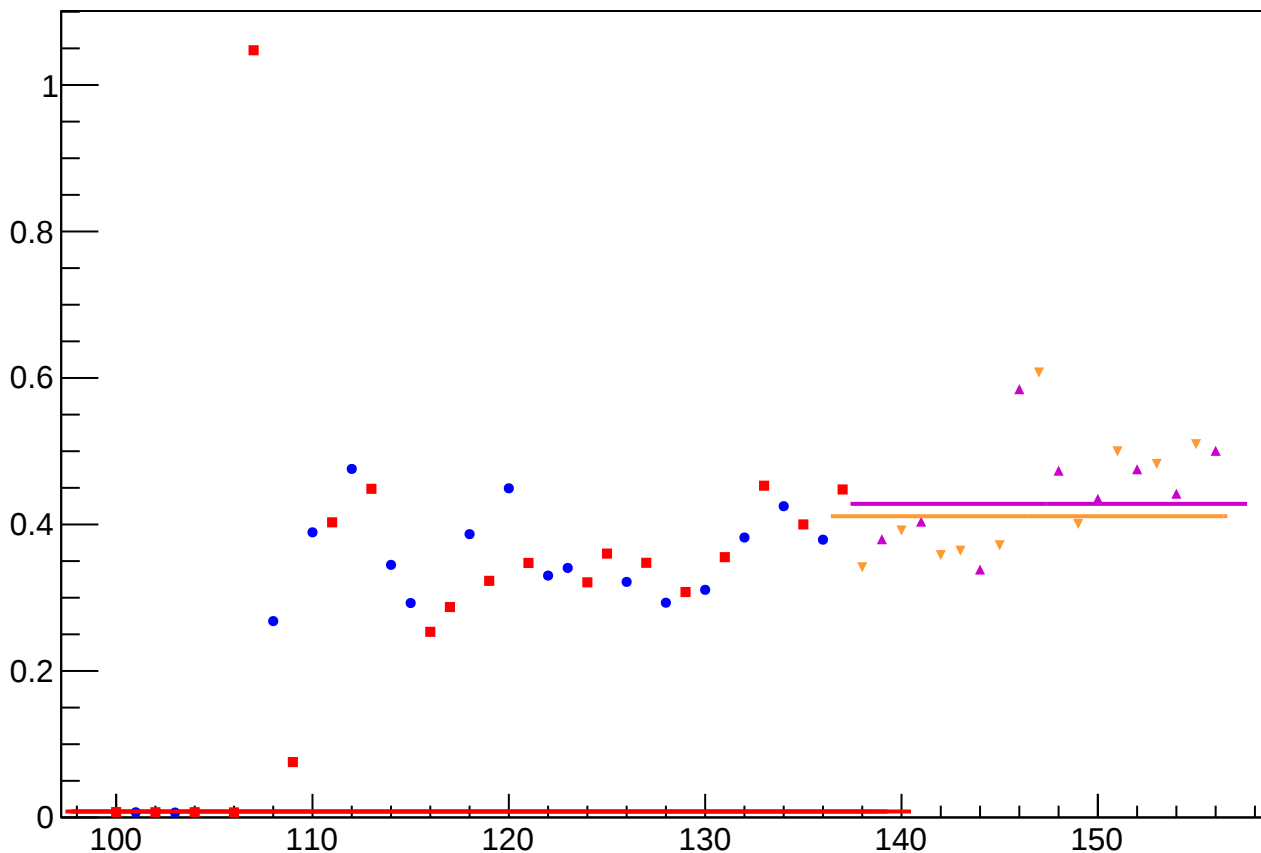
Right Out: 377.282+/-0.000 χ^2/NDF : 8306405788315.4/19

Left In: 148.794+/-0.000 χ^2/NDF : 7853455.4/8

377.582+/-0.000 χ^2/NDF : 4649144183584.5/20

376.714+/-0.000 χ^2/NDF : 10275593159867.7/20

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.411+/-0.000 χ^2/NDF : 412769.1/9

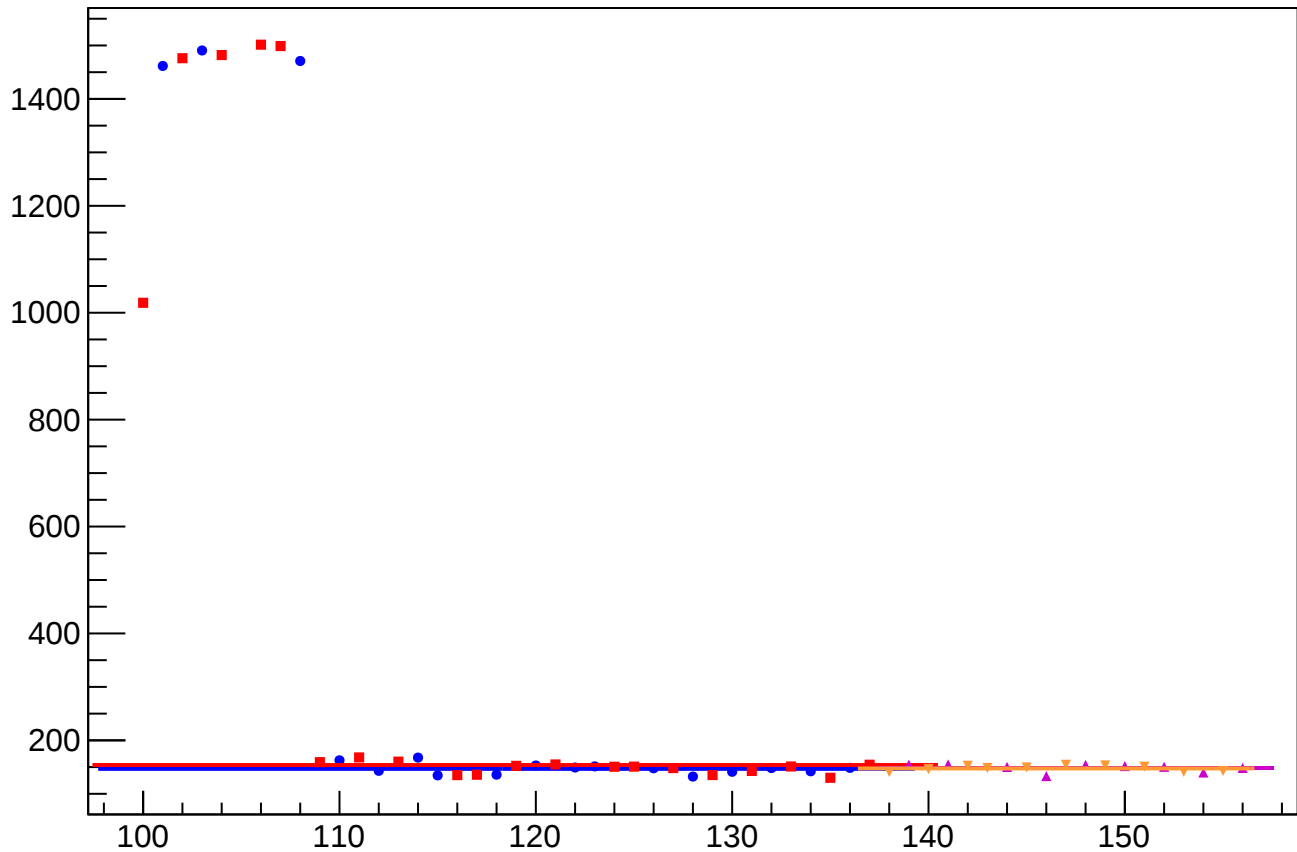
Right Out: 0.008+/-0.000 χ^2/NDF : 9601959.4/19

Left In: 0.428+/-0.000 χ^2/NDF : 322824.8/8

0.009+/-0.000 χ^2/NDF : 23484954.5/26

0.009+/-0.000 χ^2/NDF : 23232110.9/28

yield_bcm0l02_mean vs Slug



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 147.456+/-0.000 χ^2/NDF : 182552239.8/9

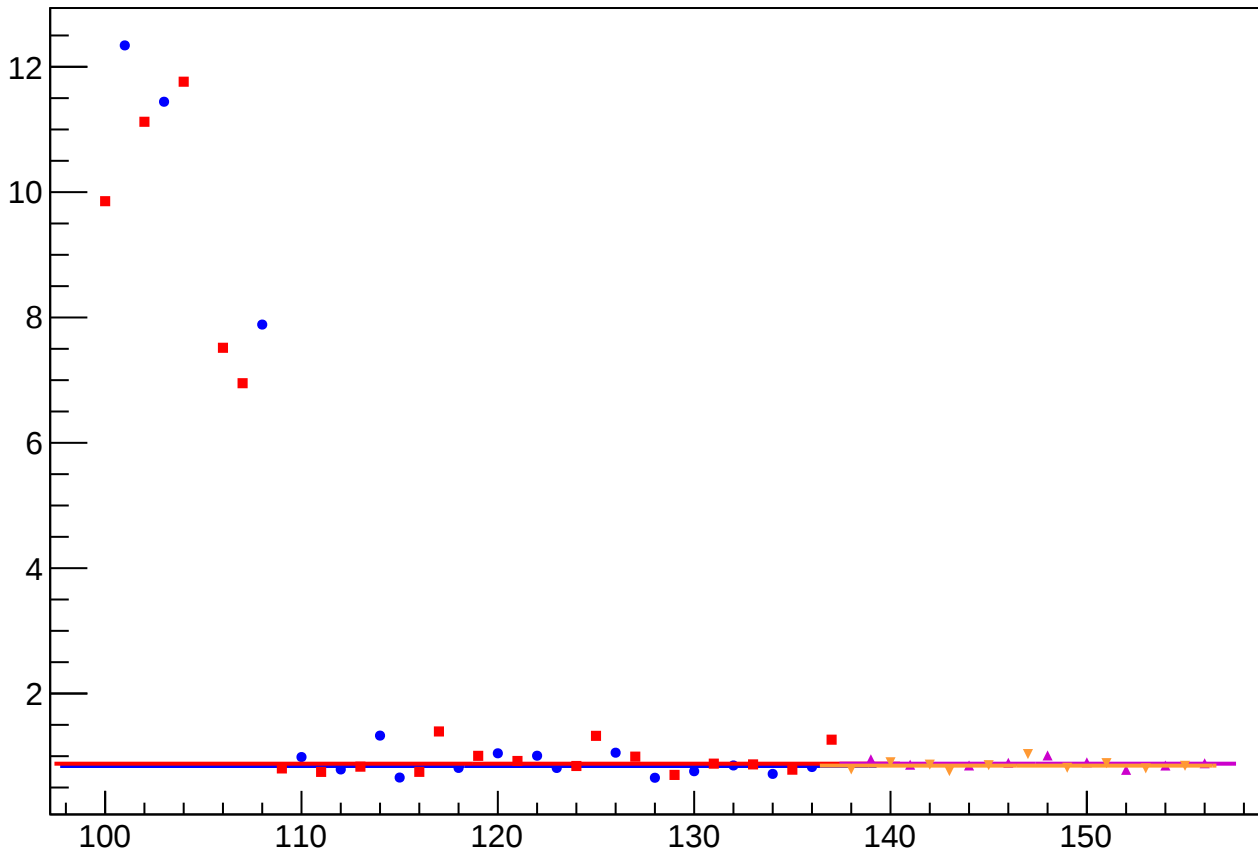
Right Out: 153.818+/-0.000 χ^2/NDF : 33744777744.4/19

Left In: 148.296+/-0.000 χ^2/NDF : 362683600.3/8

147.160+/-0.000 χ^2/NDF : 24535137244.6/26

150.580+/-0.000 χ^2/NDF : 34202408733.1/28

yield_bcm0l02_rms vs Slug



Right In: 0.844+/-0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.849+/-0.000 χ^2/NDF : 74276.8/9

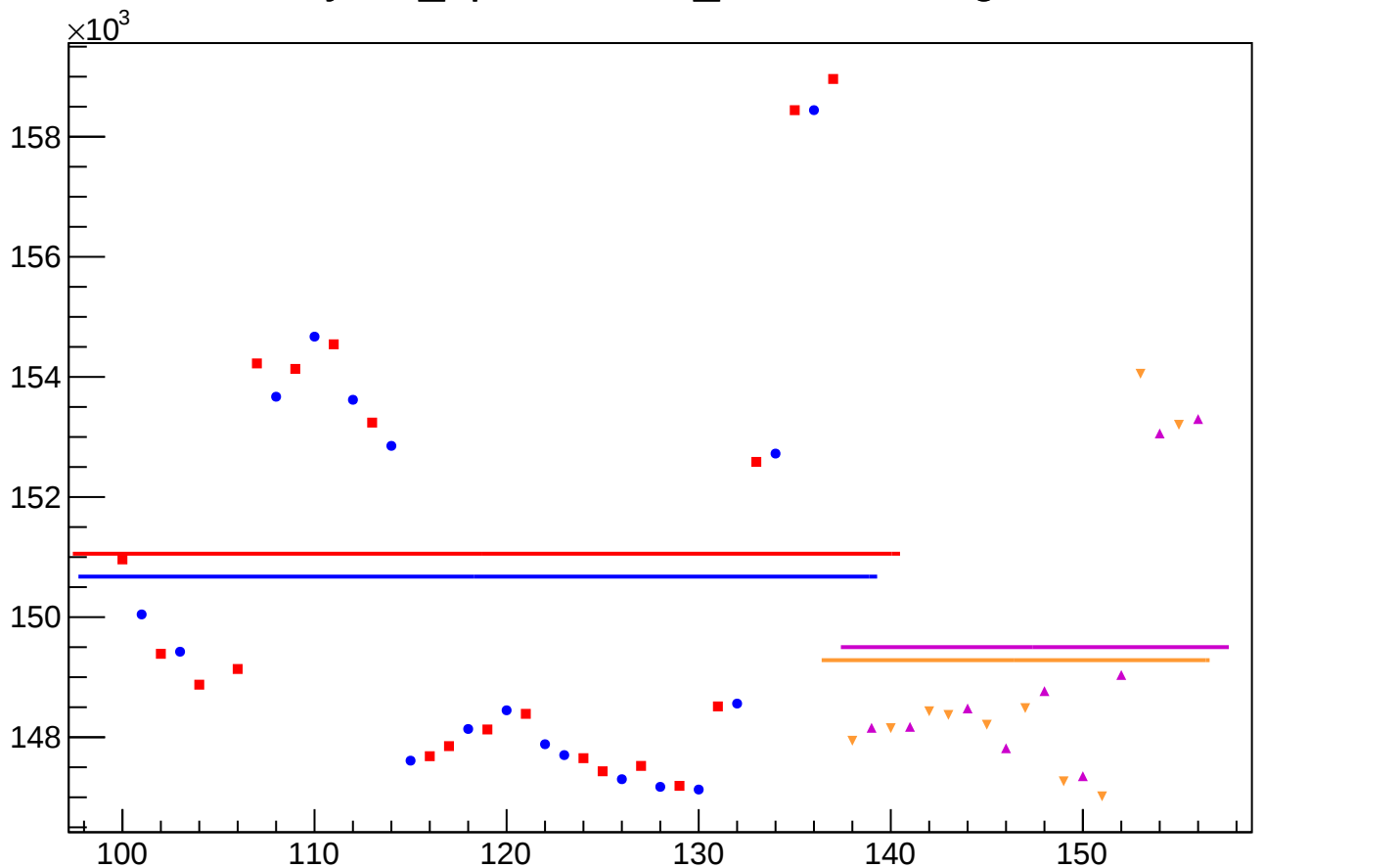
Right Out: 0.880+/-0.000 χ^2/NDF : 2823230.1/19

Left In: 0.880+/-0.000 χ^2/NDF : 55203.4/8

0.847+/-0.000 χ^2/NDF : 2744955.6/26

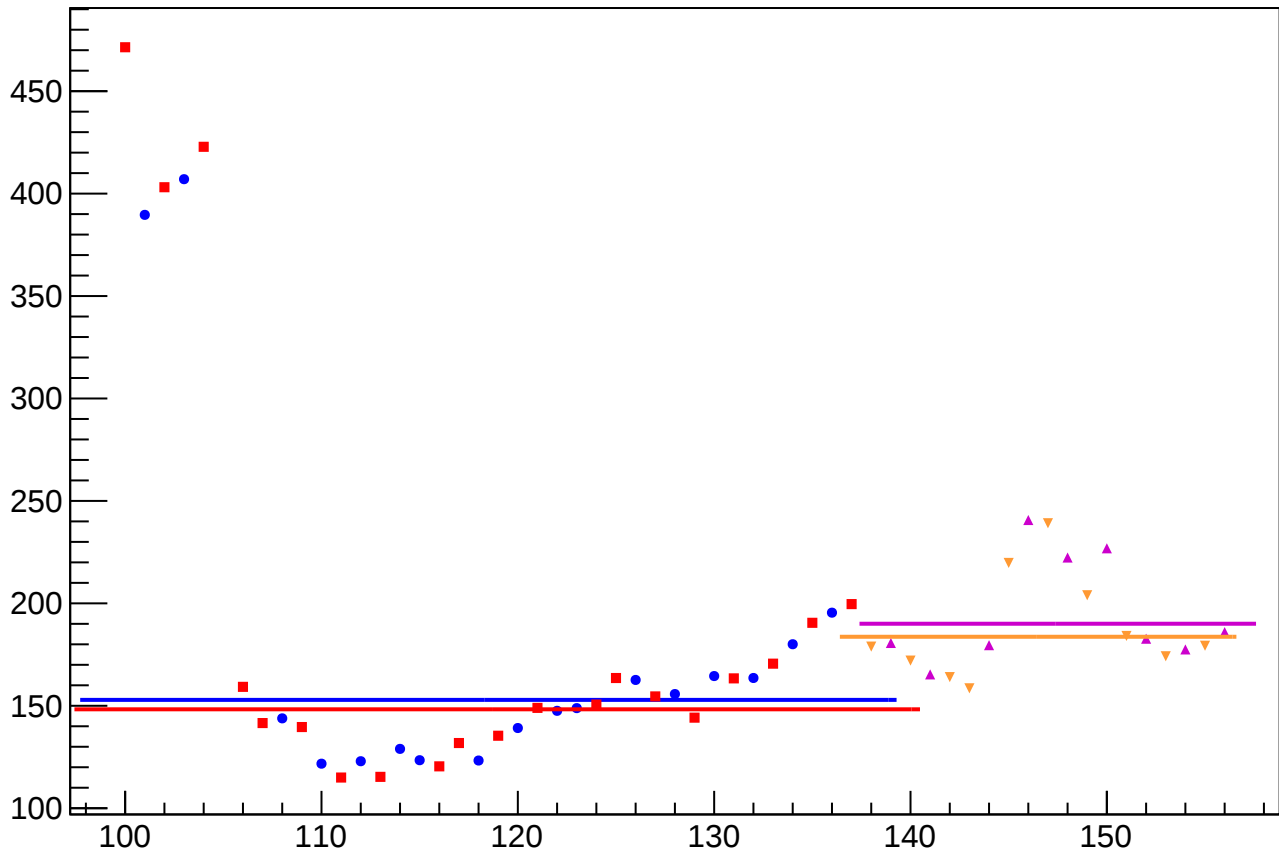
0.880+/-0.000 χ^2/NDF : 2878433.5/28

yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 ± 0.063 χ^2/NDF : 3309974859.4/16
 Left Out: 149283.408 ± 0.069 χ^2/NDF : 1288060659.0/9
 Right Out: 151056.044 ± 0.059 χ^2/NDF : 3325519080.9/19
 Left In: 149500.487 ± 0.071 χ^2/NDF : 898394291.7/8

yield_bpm0i01WS_rms vs Slug



Right In: 152.883+/-0.045 χ^2/NDF : 1154088.7/16

Left Out: 183.691+/-0.049 χ^2/NDF :199441.3/9

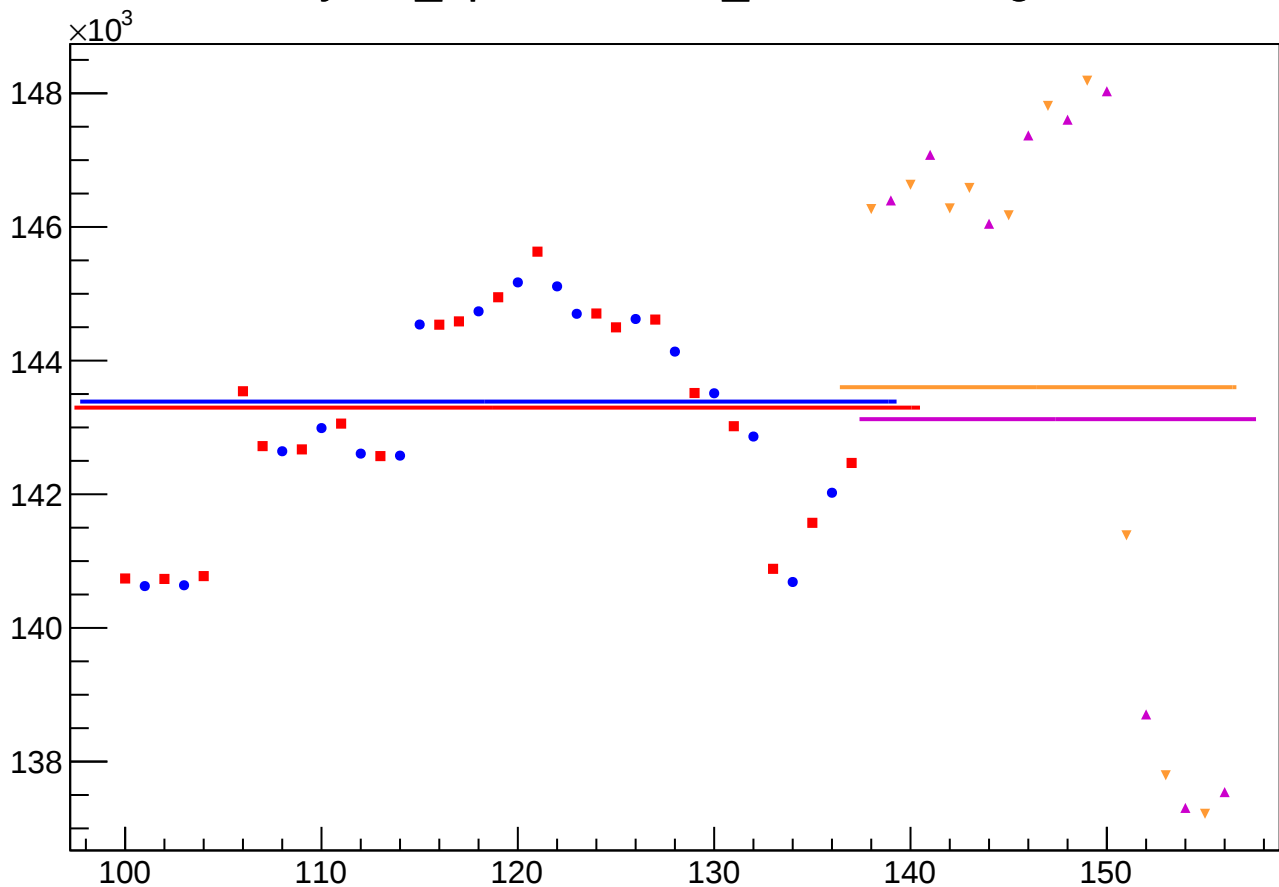
Right Out: 148.278+/-0.042 χ^2/NDF : 1192879.8/19

Left In: 190.050+/-0.050 χ^2/NDF :207062.4/8

166.944+/-0.033 χ^2/NDF : 1572078.8/26

165.402+/-0.032 χ^2/NDF : 1804856.1/28

yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099 $\pm$ 0.053 χ^2 /NDF: 521299875.7/16

Left Out: 143602.312 $\pm$ 0.066 χ^2 /NDF: 3916962743.9/9

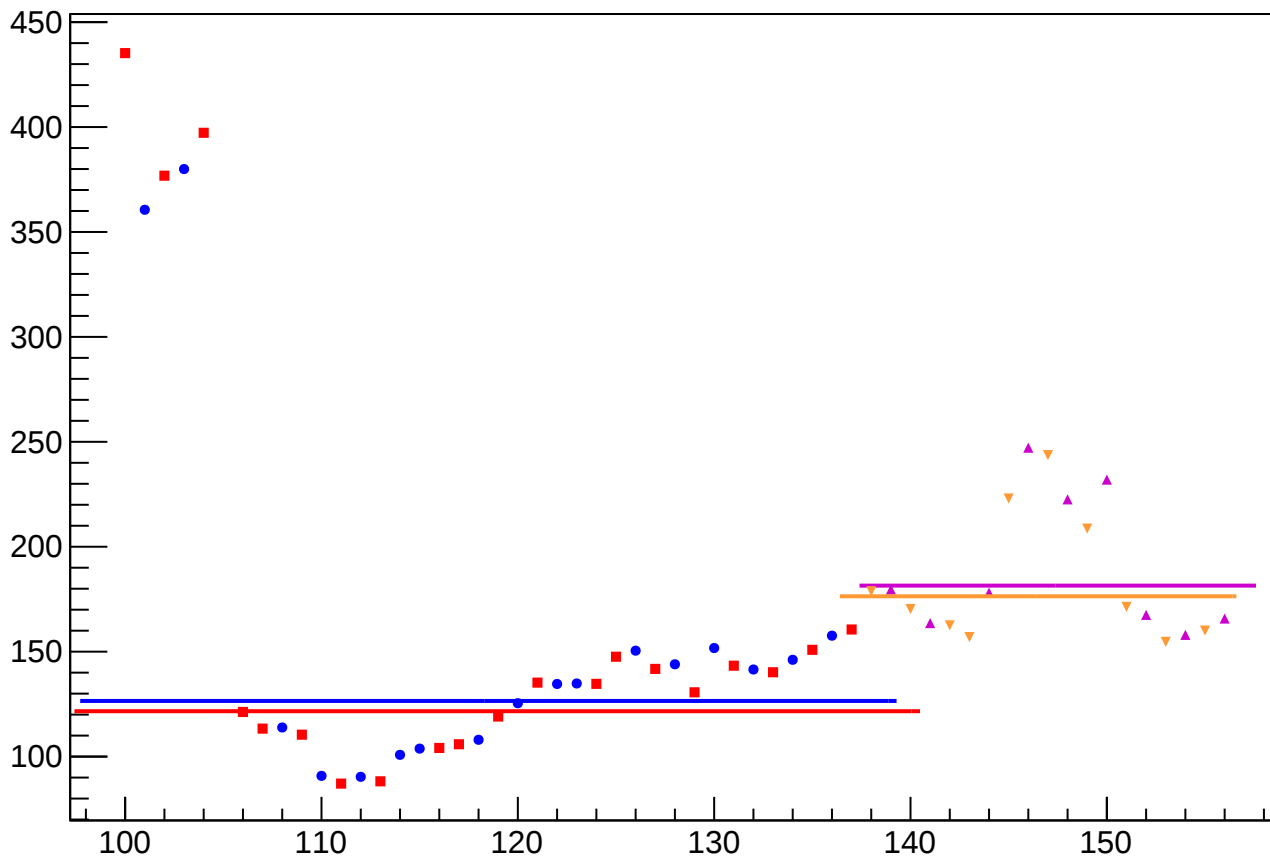
Right Out: 143296.790 $\pm$ 0.049 χ^2 /NDF: 615134284.0/19

Left In: 143123.991 $\pm$ 0.068 χ^2 /NDF: 4422679811.0/8

143470.454 $\pm$ 0.041 χ^2 /NDF: 4444715920.4/26

143238.475 $\pm$ 0.040 χ^2 /NDF: 5042032749.6/28

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 ± 0.037 χ^2/NDF : 1441685.0/16

Left Out: 176.383 ± 0.047 χ^2/NDF : 299417.5/9

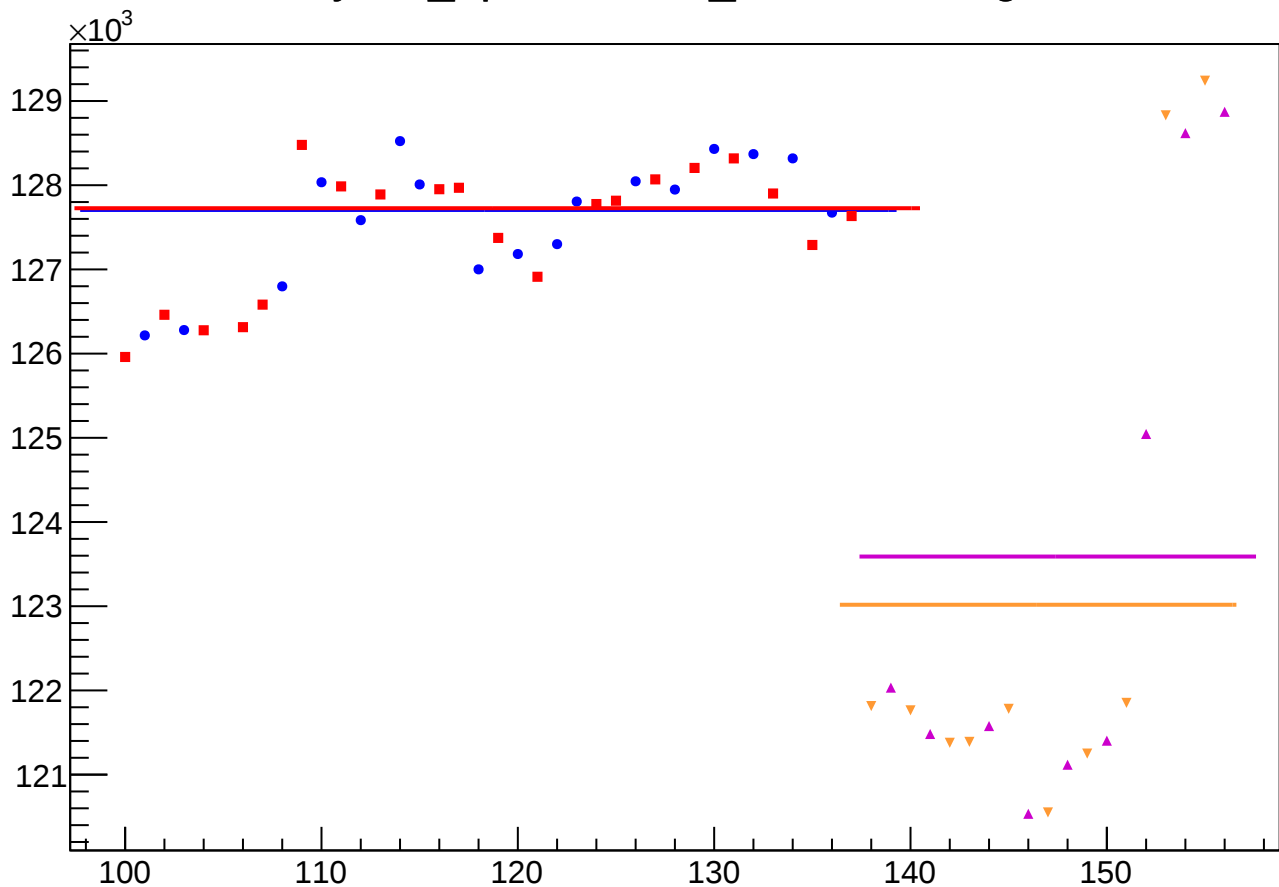
Right Out: 121.625 ± 0.035 χ^2/NDF : 1465763.8/19

Left In: 181.474 ± 0.048 χ^2/NDF : 327741.8/8

145.829 ± 0.029 χ^2/NDF : 2434120.5/26

141.822 ± 0.028 χ^2/NDF : 2805617.0/28

yield_bpm0l01WS_mean vs Slug



Right In: 127706.194 $\pm$ 0.058 χ^2 /NDF: 97860521.1/16

Left Out: 123017.382 $\pm$ 0.062 χ^2 /NDF: 2340980886.1/9

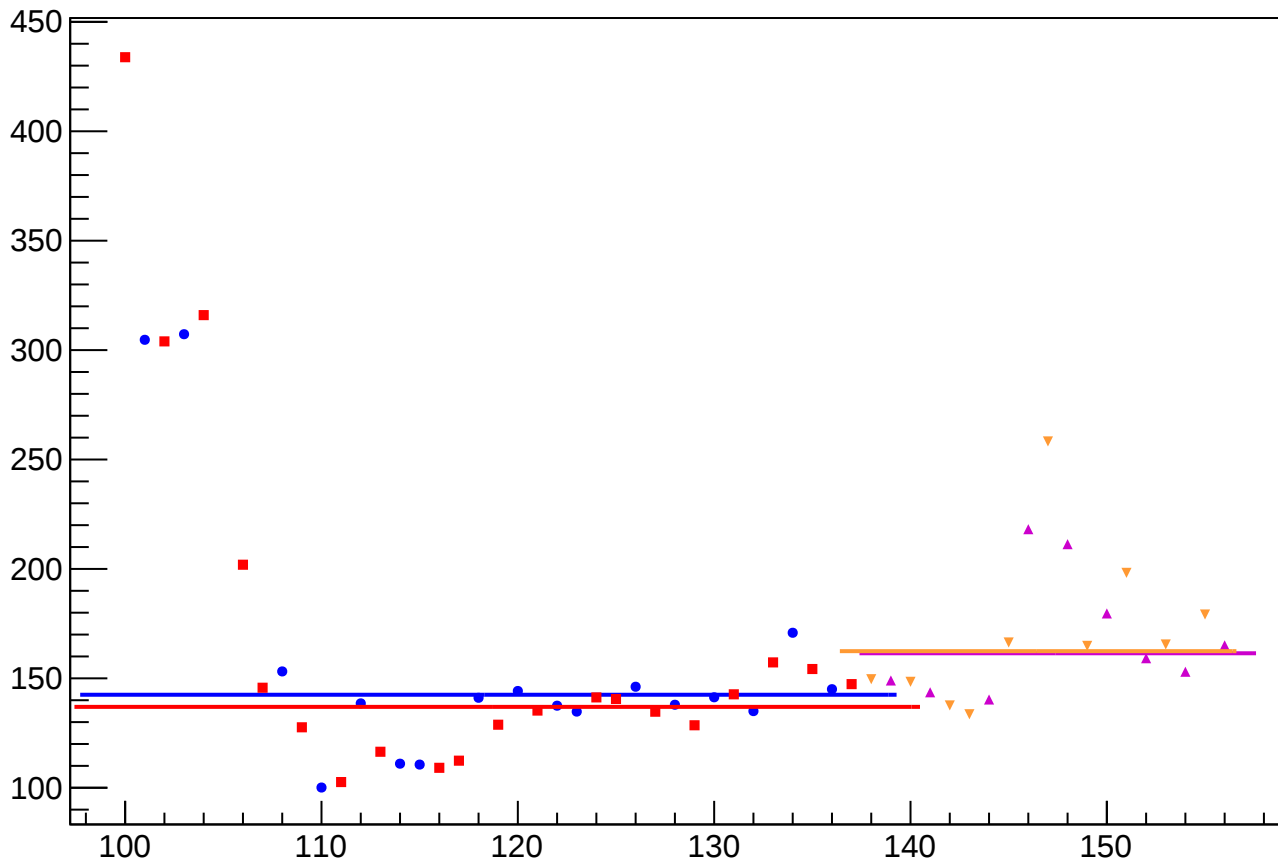
Right Out: 127726.708 $\pm$ 0.054 χ^2 /NDF: 112816704.3/19

Left In: 123589.974 $\pm$ 0.061 χ^2 /NDF: 2524427817.3/8

125509.067 $\pm$ 0.042 χ^2 /NDF: 5494993208.3/20

125907.637 $\pm$ 0.041 χ^2 /NDF: 5193766099.2/28

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 $\pm$ 0.041 χ^2/NDF : 836263.7/16

Left Out: 162.421 $\pm$ 0.044 χ^2/NDF : 387619.6/9

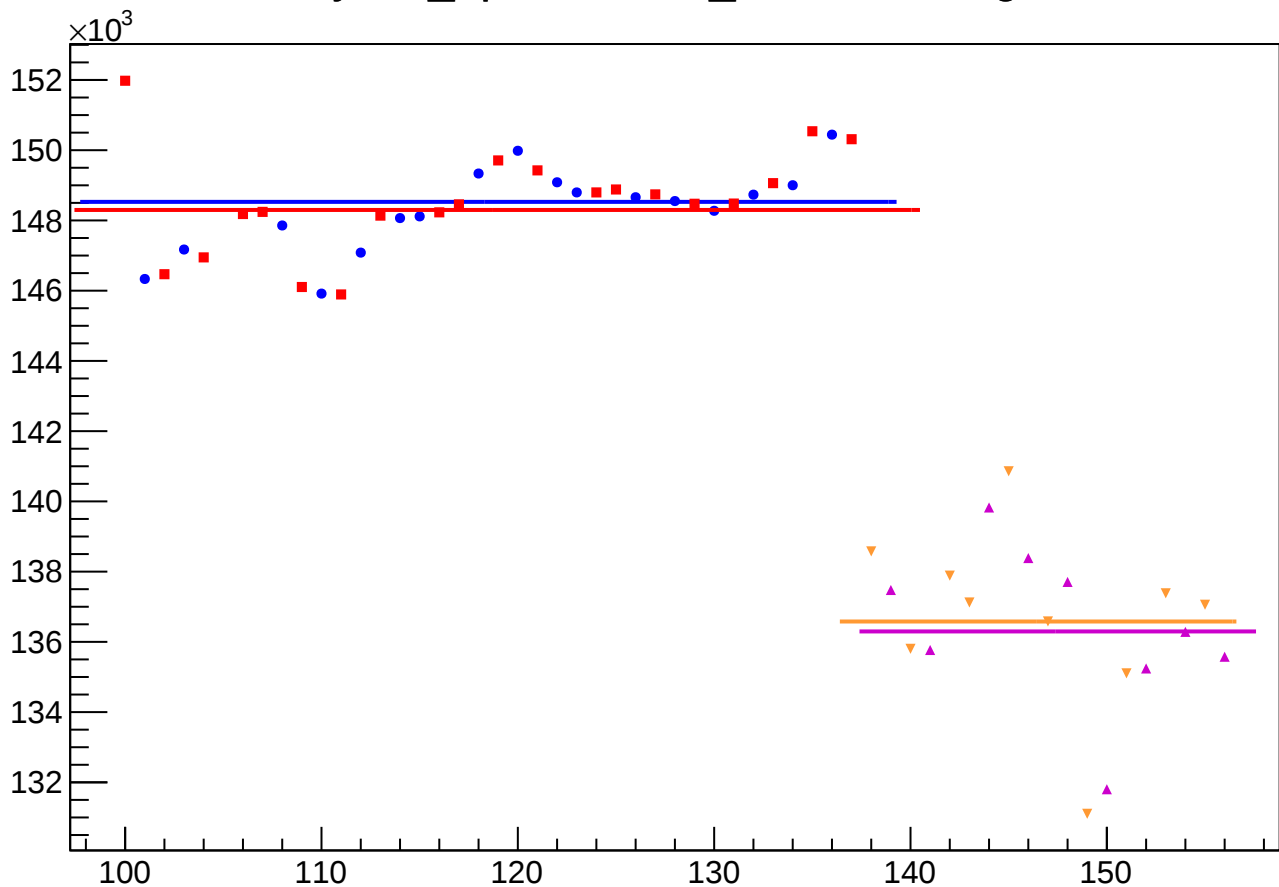
Right Out: 136.963 $\pm$ 0.038 χ^2/NDF : 961465.0/19

Left In: 161.456 $\pm$ 0.043 χ^2/NDF : 287155.5/8

151.836 $\pm$ 0.030 χ^2/NDF : 1334202.5/26

147.733 $\pm$ 0.029 χ^2/NDF : 1427858.7/28

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 $\pm$ 0.082 χ^2/NDF : 209986594.2/16

Left Out: 136579.943 $\pm$ 0.093 χ^2/NDF : 737610024.2/9

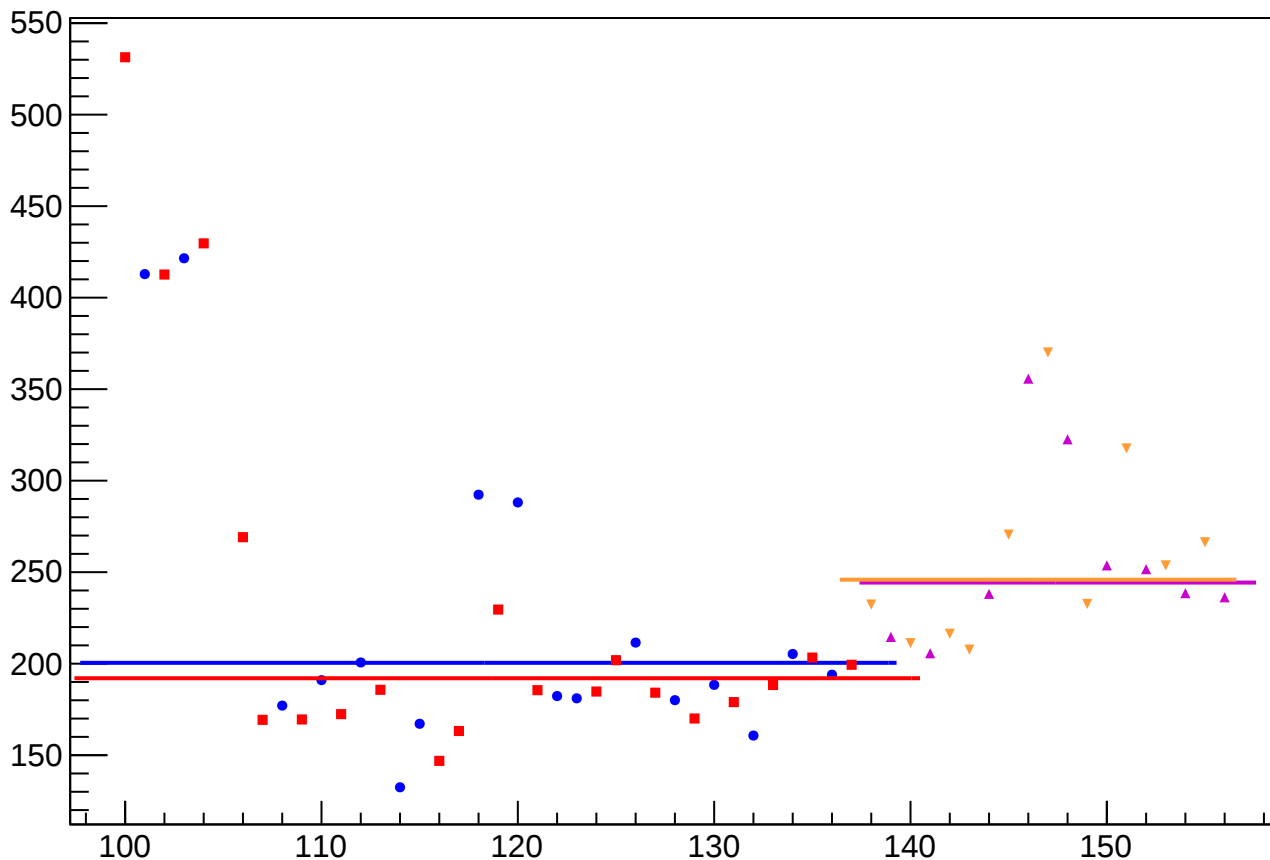
Right Out: 148298.586 $\pm$ 0.076 χ^2/NDF : 293284830.9/19

Left In: 136296.928 $\pm$ 0.092 χ^2/NDF : 540835333.5/8

143302.085 $\pm$ 0.062 χ^2/NDF : 10219834637.1/2

143452.316 $\pm$ 0.059 χ^2/NDF : 10887104110.6/2

yield_bpm0l02WS_rms vs Slug



Right In: 200.472 $\pm$ 0.058 χ^2 /NDF: 936547.2/16

Left Out: 245.910 $\pm$ 0.066 χ^2 /NDF: 386410.9/9

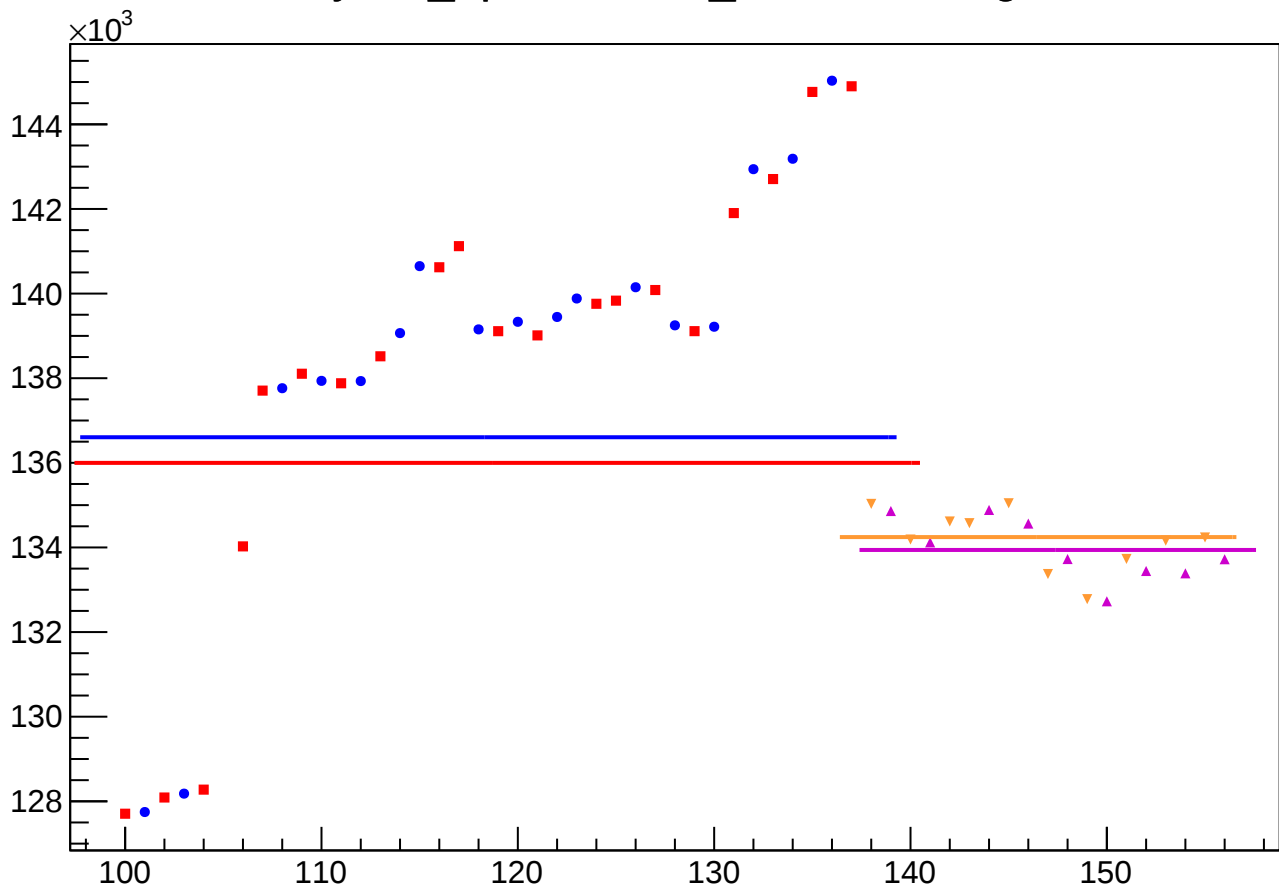
Right Out: 192.040 $\pm$ 0.054 χ^2 /NDF: 847133.0/19

Left In: 244.318 $\pm$ 0.065 χ^2 /NDF: 336073.8/8

220.348 $\pm$ 0.044 χ^2 /NDF: 1591116.3/26

213.150 $\pm$ 0.042 χ^2 /NDF: 1564686.4/28

yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16

Left Out: 134244.997 $\pm$ 0.205 χ^2 /NDF: 10313278.6/9

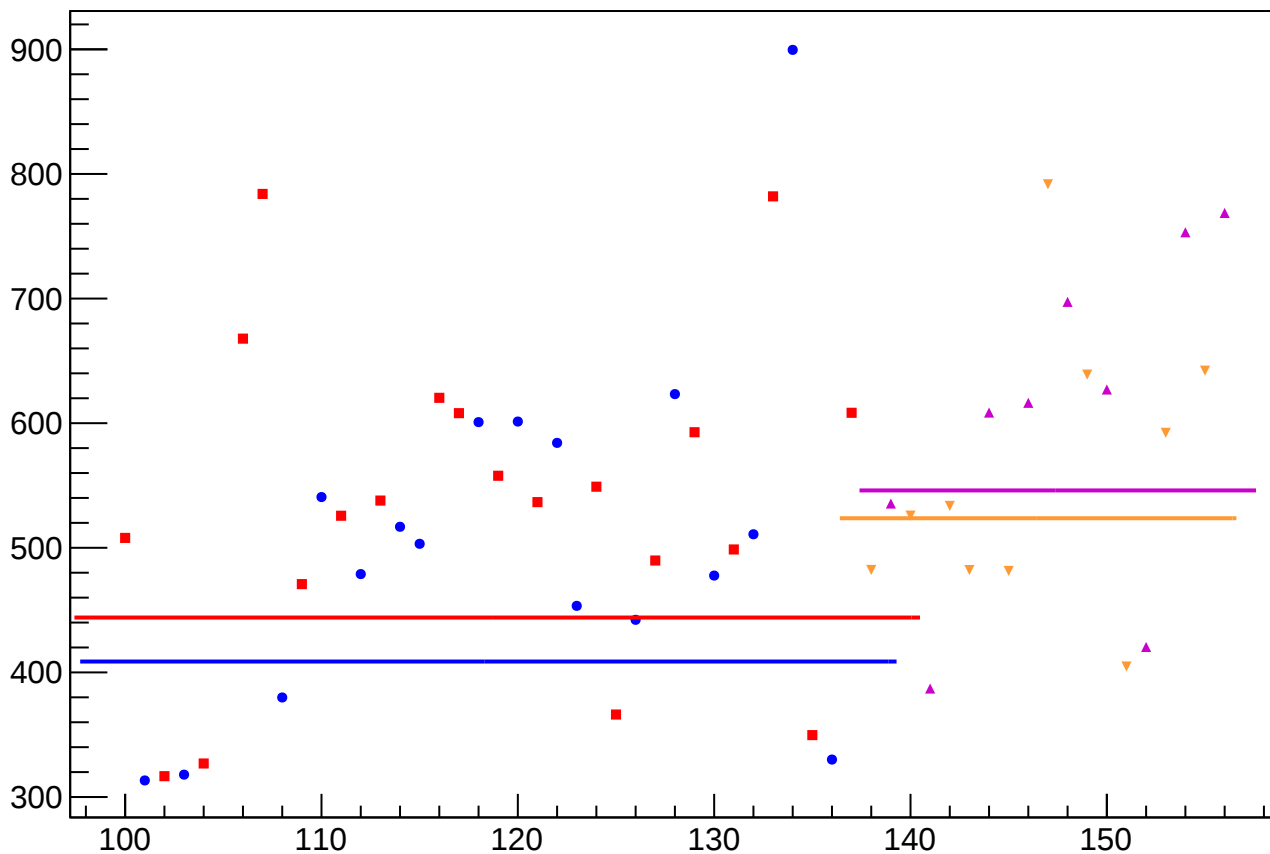
Right Out: 135998.851 $\pm$ 0.182 χ^2 /NDF: 1084895879.4/19

Left In: 133940.692 $\pm$ 0.224 χ^2 /NDF: 8703421.1/8

135634.754 $\pm$ 0.132 χ^2 /NDF: 1582533215.7/20

135177.702 $\pm$ 0.141 χ^2 /NDF: 1144398563.4/28

yield_bpm0l03WS_rms vs Slug



Right In: 408.729+/-0.121 χ^2/NDF : 823262.8/16

Left Out: 523.723+/-0.145 χ^2/NDF : 426707.2/9

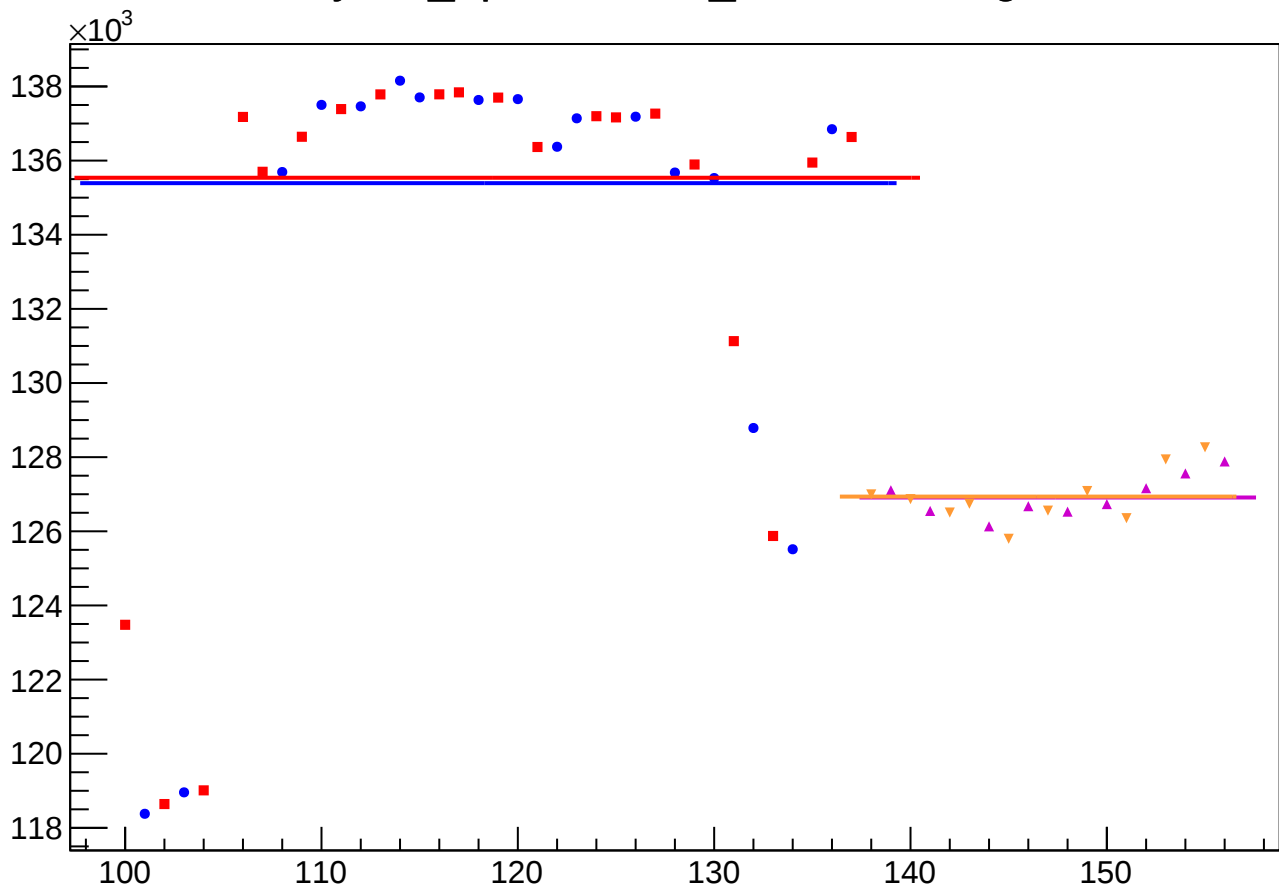
Right Out: 444.034+/-0.129 χ^2/NDF : 922545.8/19

Left In: 546.040+/-0.158 χ^2/NDF : 689040.3/8

455.995+/-0.093 χ^2/NDF : 1619823.0/26

484.732+/-0.100 χ^2/NDF : 1861152.2/28

yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16

Left Out: 126936.381 $\pm$ 0.066 χ^2 /NDF: 105889938.4/9

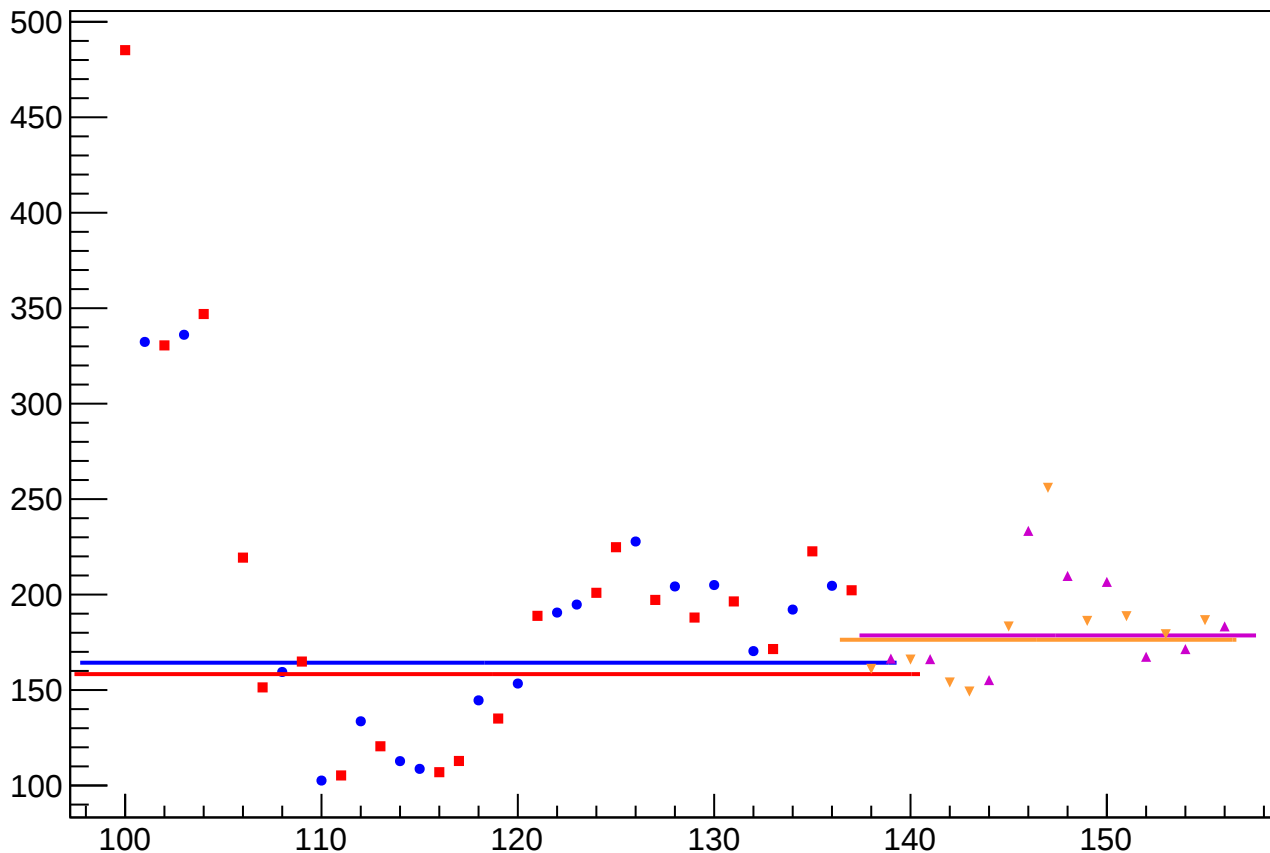
Right Out: 135537.290 $\pm$ 0.064 χ^2 /NDF: 4748951957.4/19

Left In: 126911.963 $\pm$ 0.067 χ^2 /NDF: 65016045.9/8

131042.638 $\pm$ 0.048 χ^2 /NDF: 12576478172.7/2

131442.527 $\pm$ 0.046 χ^2 /NDF: 13452276842.0/2

yield_bpm0l04WS_rms vs Slug



Right In: 164.311+/-0.048 χ^2/NDF : 1230487.8/16

Left Out: 176.336+/-0.047 χ^2/NDF : 247773.8/9

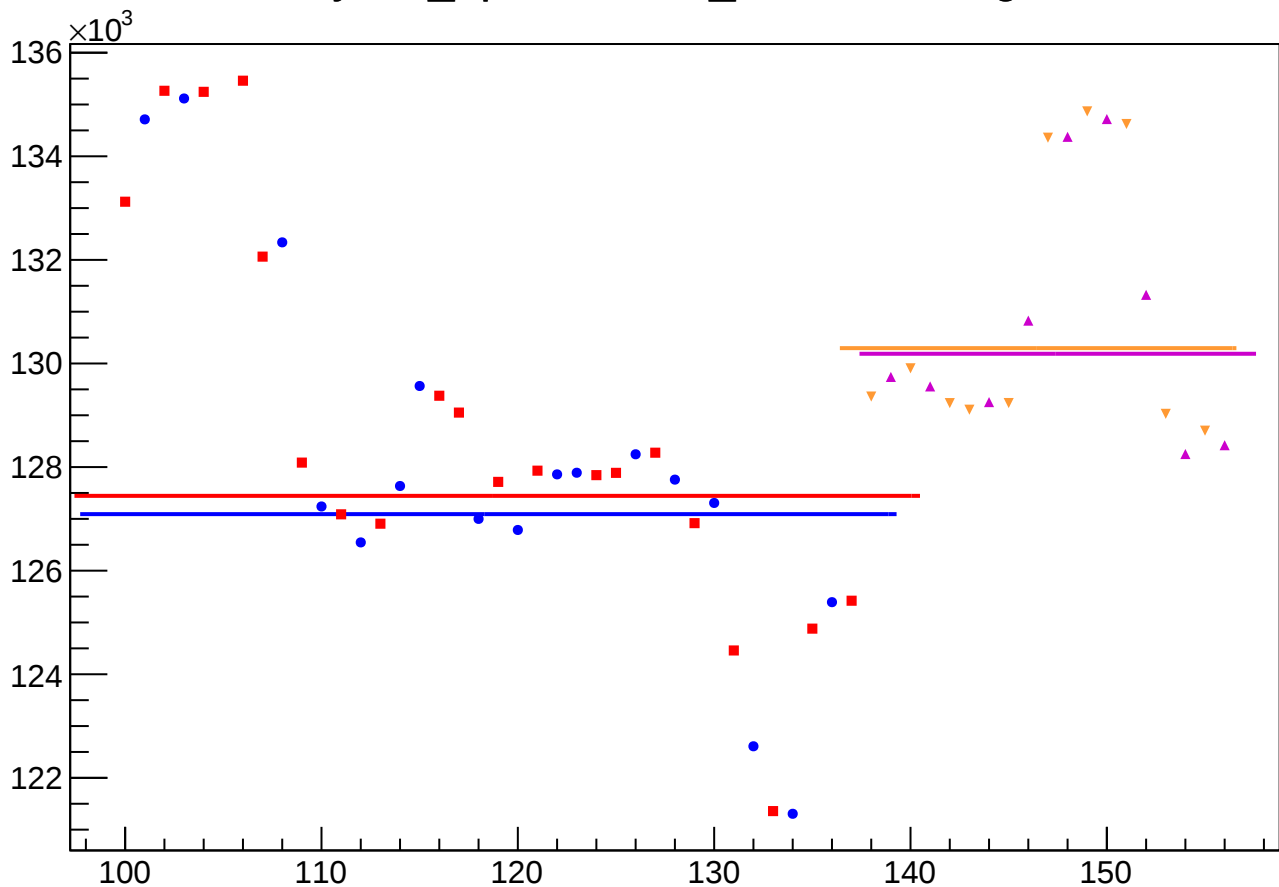
Right Out: 158.336+/-0.045 χ^2/NDF : 1398323.7/19

Left In: 178.594+/-0.048 χ^2/NDF : 218269.7/8

170.496+/-0.034 χ^2/NDF : 1510180.3/26

167.953+/-0.033 χ^2/NDF : 1711890.7/28

yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 ± 0.066 χ^2/NDF : 1717208780.6/16

Left Out: 130296.144 ± 0.068 χ^2/NDF : 1034901321.6/9

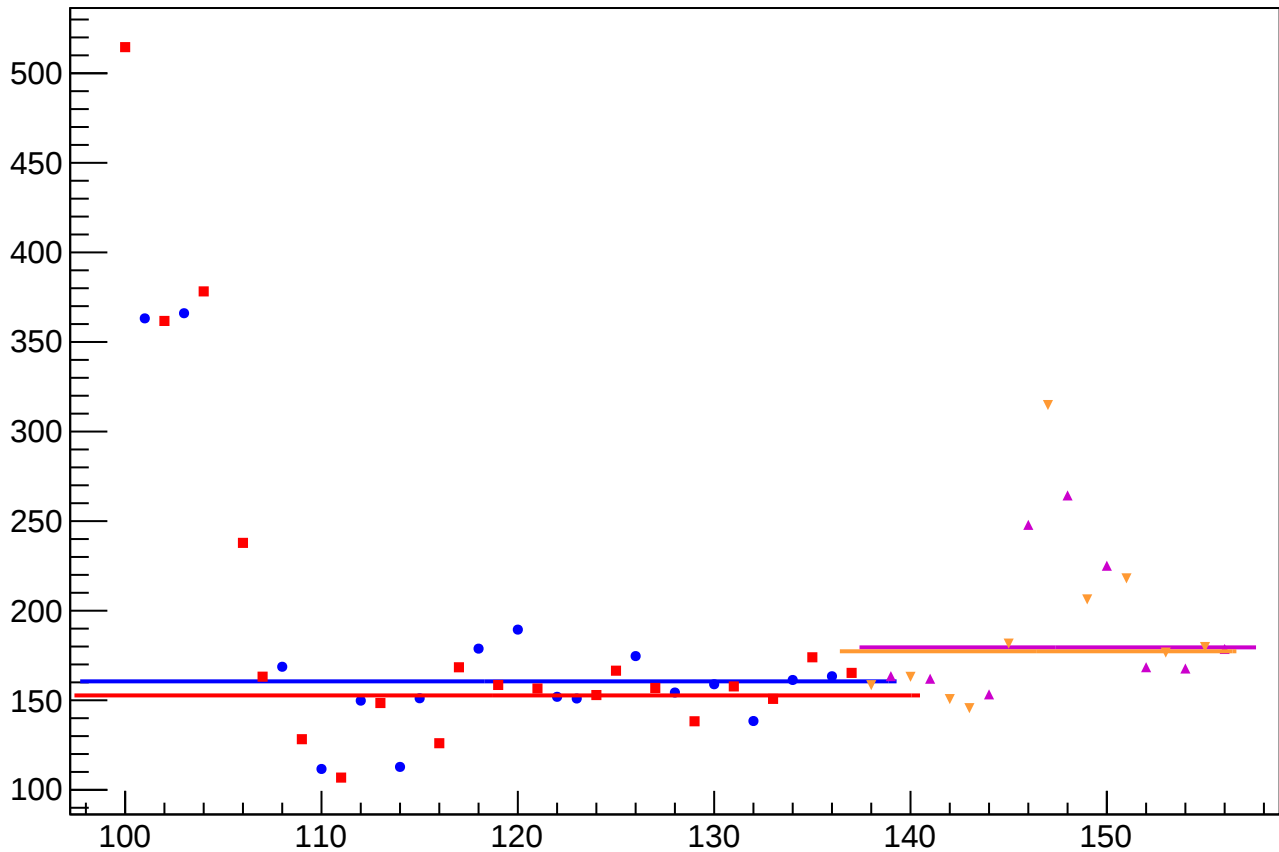
Right Out: 127444.472 ± 0.061 χ^2/NDF : 2082646787.7/19

Left In: 130187.609 ± 0.068 χ^2/NDF : 814190121.4/8

128663.424 ± 0.047 χ^2/NDF : 3897987979.7/20

128671.584 ± 0.046 χ^2/NDF : 3790152289.0/20

yield_bpm0l05WS_rms vs Slug



Right In: 160.564+/-0.047 χ^2/NDF : 942747.0/16

Left Out: 177.347+/-0.048 χ^2/NDF : 499336.3/9

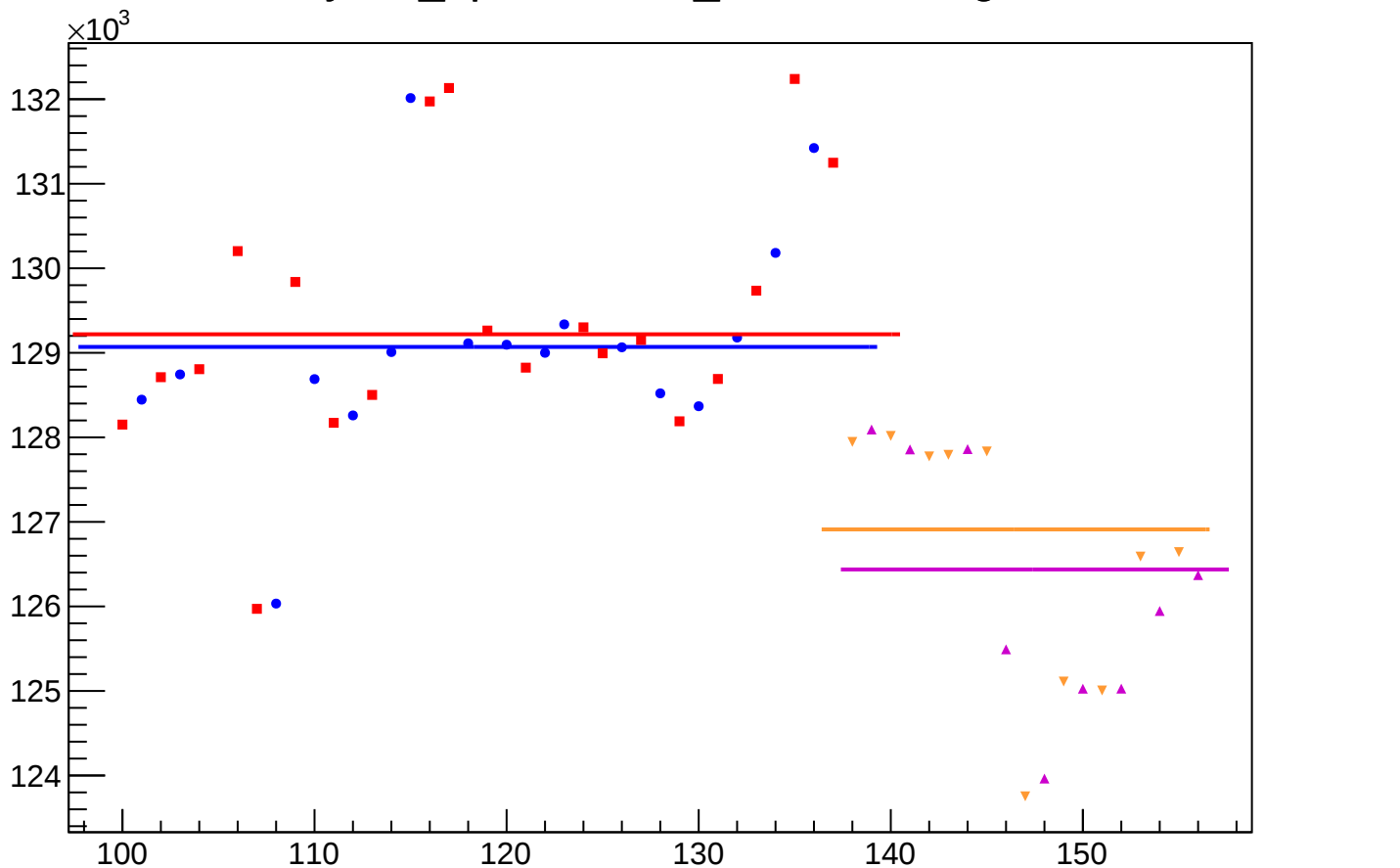
168.796+/-0.033 χ^2/NDF : 1504935.3/26

Right Out: 152.711+/-0.043 χ^2/NDF : 1087186.3/19

164.709+/-0.032 χ^2/NDF : 1704195.4/28

Left In: 179.532+/-0.048 χ^2/NDF : 446202.5/8

yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 $\pm$ 0.060 χ^2 /NDF: 476692316.5/16

Left Out: 126910.963 $\pm$ 0.064 χ^2 /NDF: 402078452.9/9

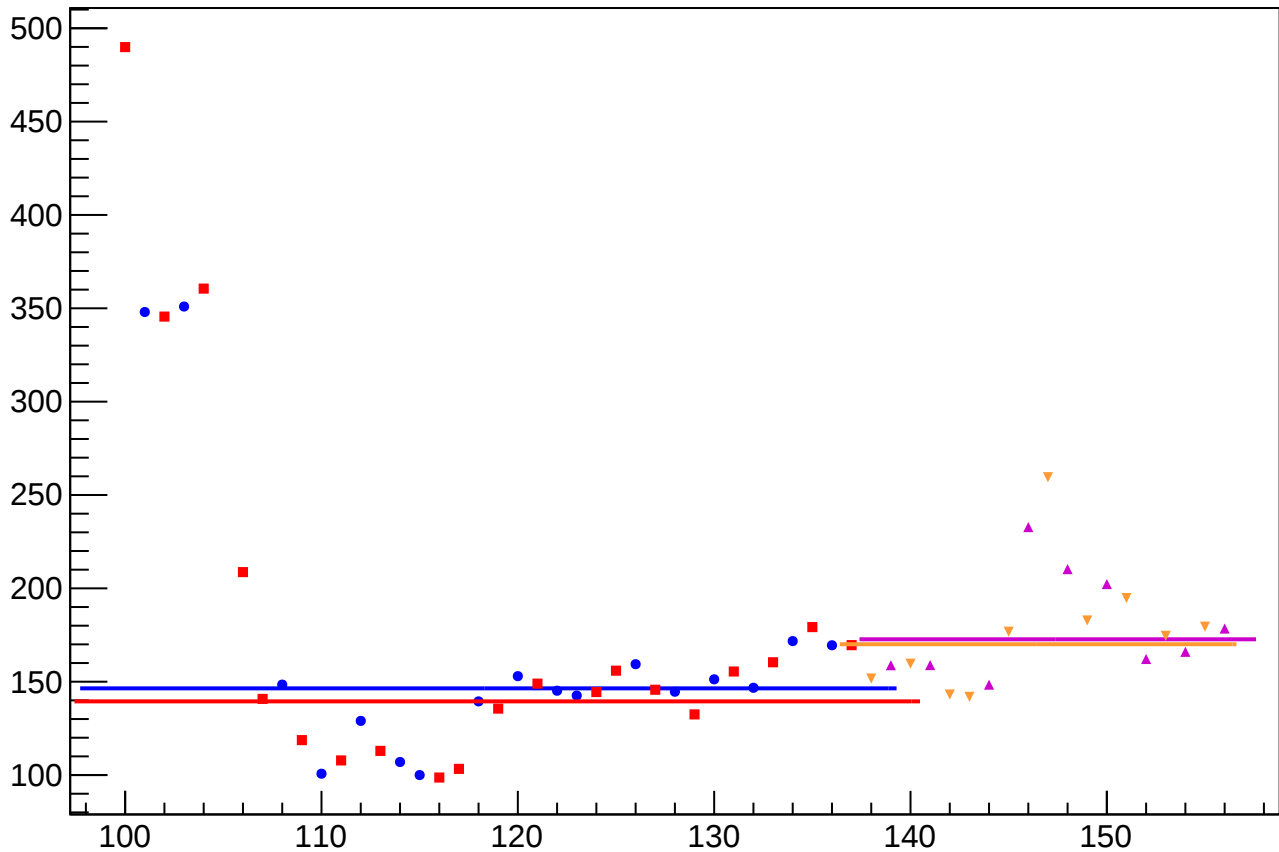
Right Out: 129219.072 $\pm$ 0.056 χ^2 /NDF: 660468184.1/19

Left In: 126437.109 $\pm$ 0.065 χ^2 /NDF: 448255549.1/8

128060.020 $\pm$ 0.044 χ^2 /NDF: 1480779187.0/20

128043.496 $\pm$ 0.042 χ^2 /NDF: 2161454170.2/28

yield_bpm0l06WS_rms vs Slug



Right In: 146.437+/-0.043 χ^2/NDF : 1064791.0/16

Left Out: 170.069+/-0.045 χ^2/NDF : 332932.6/9

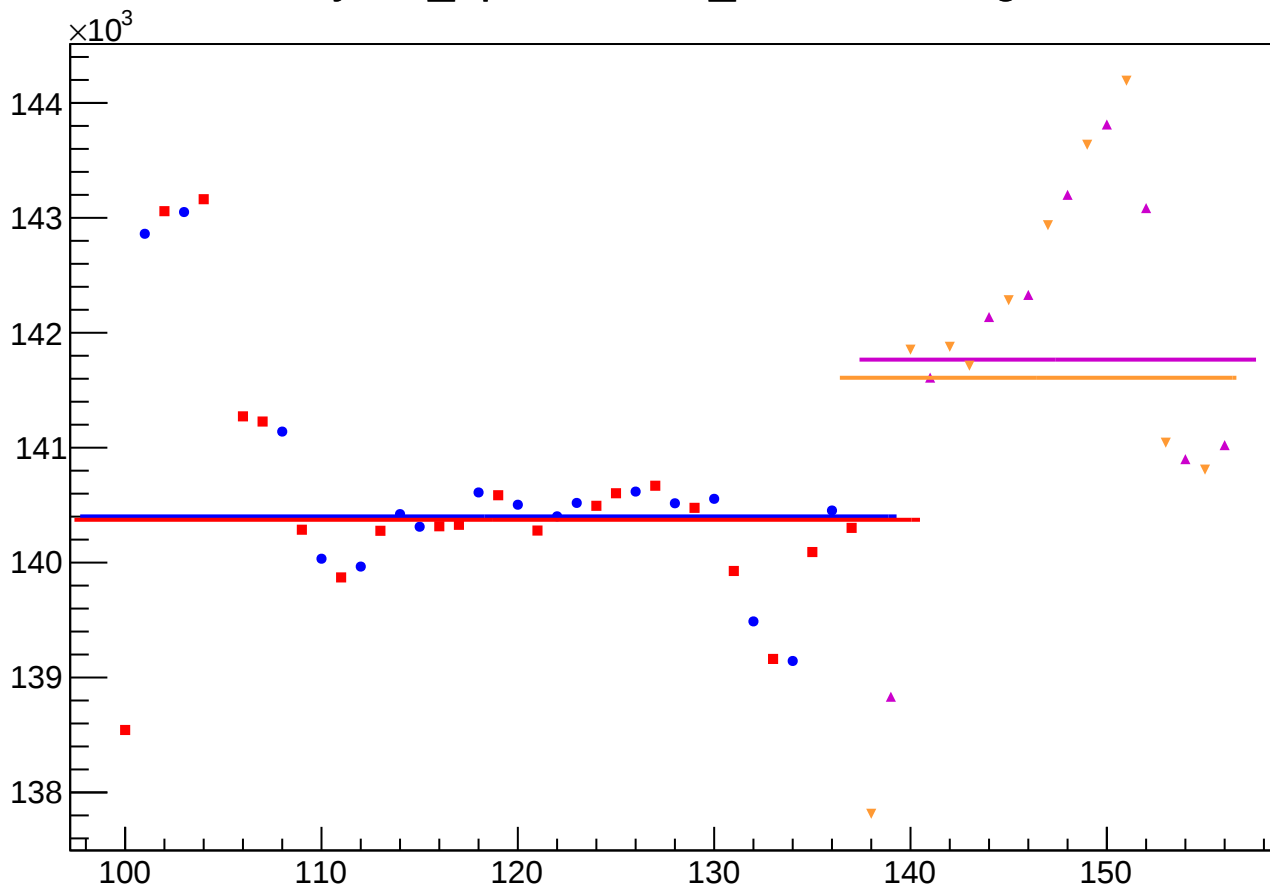
157.490+/-0.031 χ^2/NDF : 1542018.5/26

Right Out: 139.468+/-0.039 χ^2/NDF : 1214310.8/19

153.519+/-0.030 χ^2/NDF : 1785372.1/28

Left In: 172.720+/-0.046 χ^2/NDF : 270254.6/8

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 ± 0.064 χ^2/NDF : 88071774.7/16

Left Out: 141608.464 ± 0.075 χ^2/NDF : 550653540.4/9

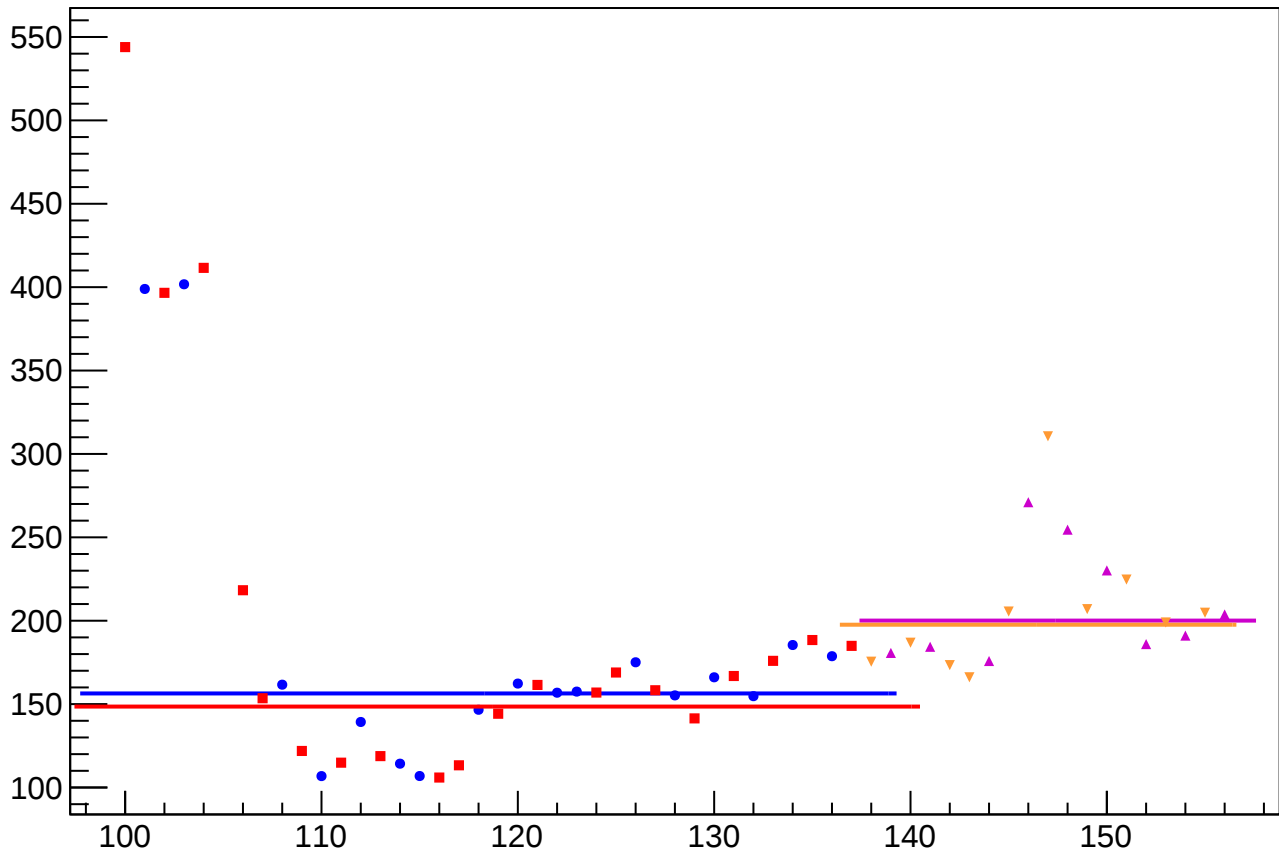
Right Out: 140372.636 ± 0.059 χ^2/NDF : 99861038.9/19

Left In: 141766.229 ± 0.076 χ^2/NDF : 344878746.9/8

140915.031 ± 0.049 χ^2/NDF : 788203829.1/26

140905.371 ± 0.047 χ^2/NDF : 654498454.4/28

yield_bpm0l07WS_rms vs Slug



Right In: 156.394+/-0.046 χ^2/NDF : 1154804.2/16

Left Out: 197.604+/-0.053 χ^2/NDF : 325616.8/9

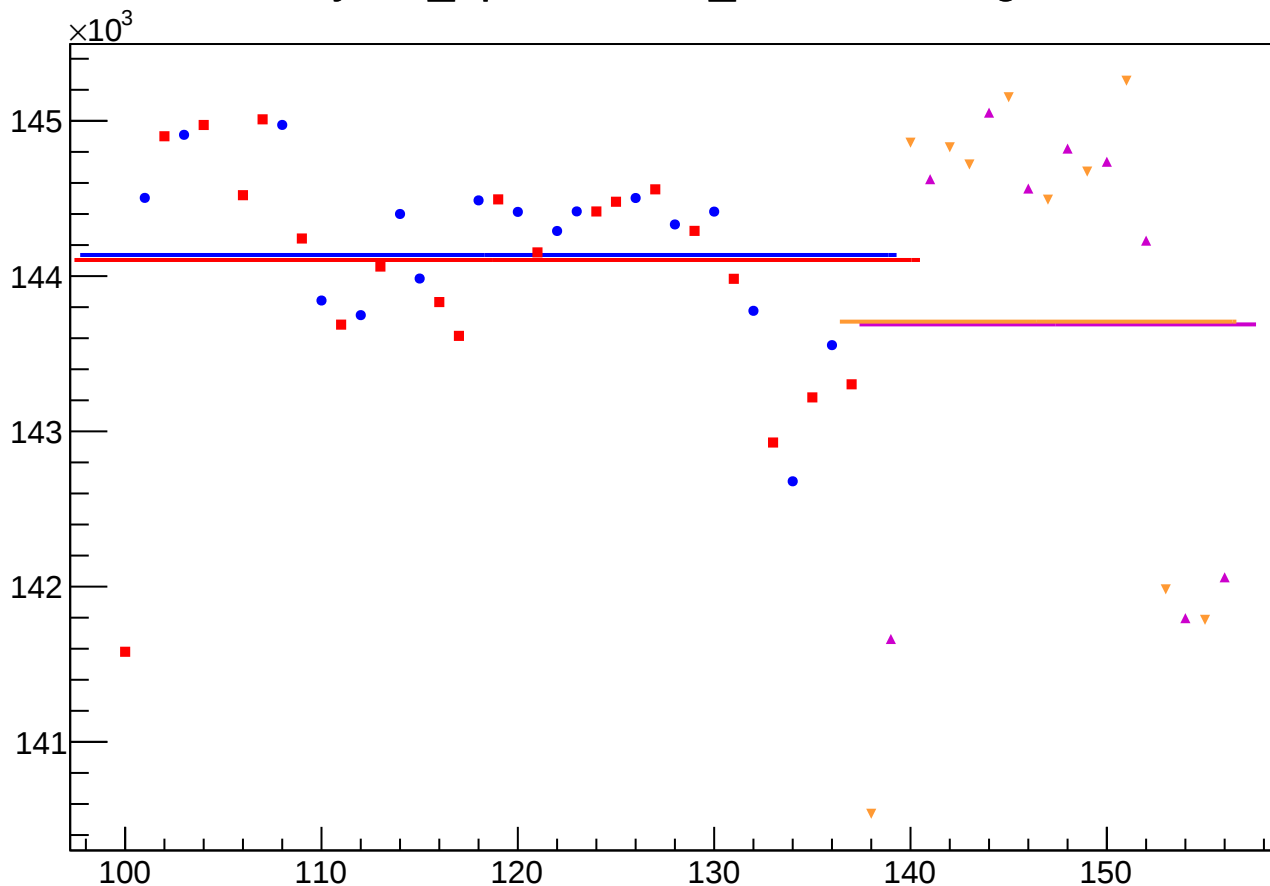
173.917+/-0.034 χ^2/NDF : 1829235.4/26

Right Out: 148.524+/-0.042 χ^2/NDF : 1316113.9/19

168.230+/-0.033 χ^2/NDF : 2171187.3/28

Left In: 200.072+/-0.053 χ^2/NDF : 281081.2/8

yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 ± 0.067 χ^2/NDF : 47069480.3/16

Left Out: 143706.791 ± 0.074 χ^2/NDF : 525312752.8/9

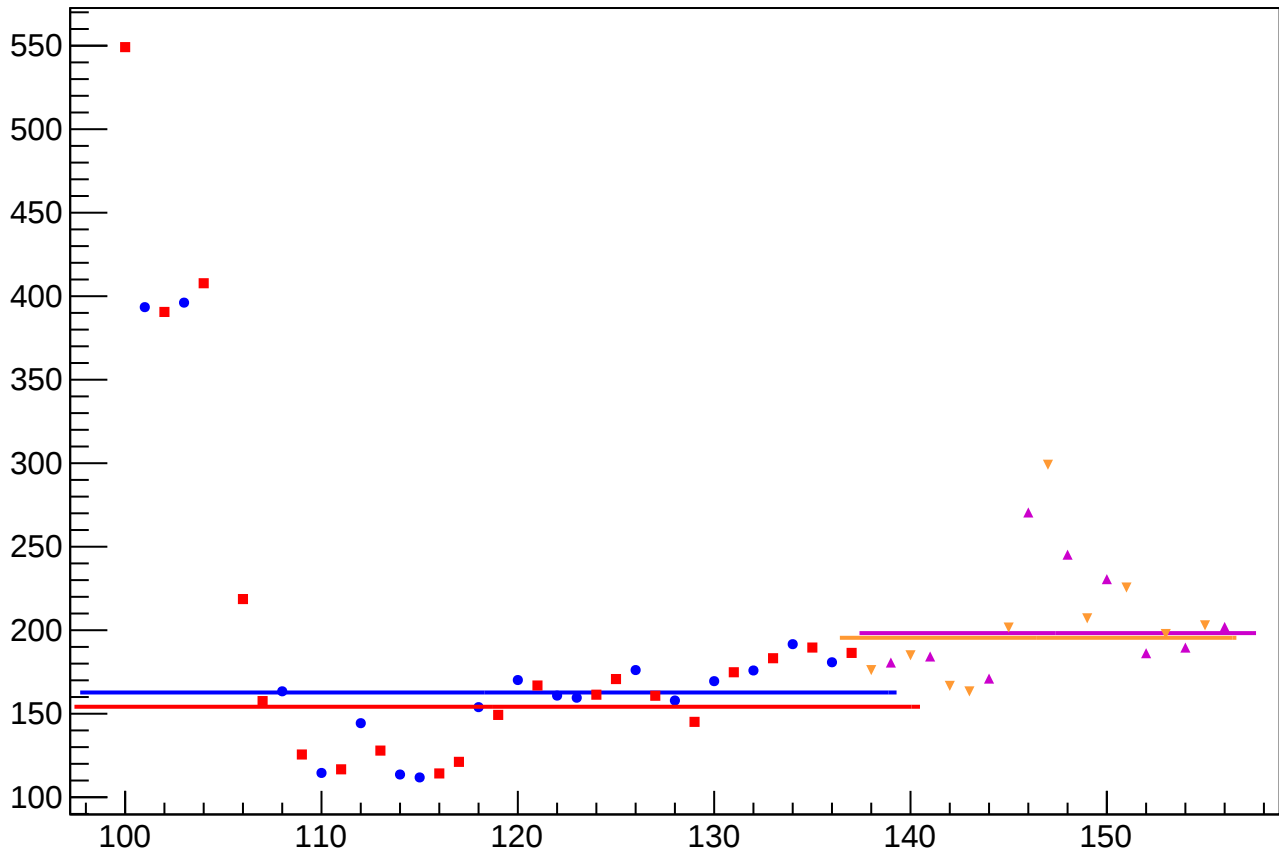
Right Out: 144103.887 ± 0.062 χ^2/NDF : 65973087.5/19

Left In: 143688.921 ± 0.075 χ^2/NDF : 339893226.6/8

143943.229 ± 0.050 χ^2/NDF : 590957725.6/26

143936.839 ± 0.048 χ^2/NDF : 424181282.1/28

yield_bpm0l08WS_rms vs Slug



Right In: 162.714 $\pm$ 0.047 χ^2 /NDF: 1066482.0/16

Left Out: 195.466 $\pm$ 0.052 χ^2 /NDF:319431.4/9

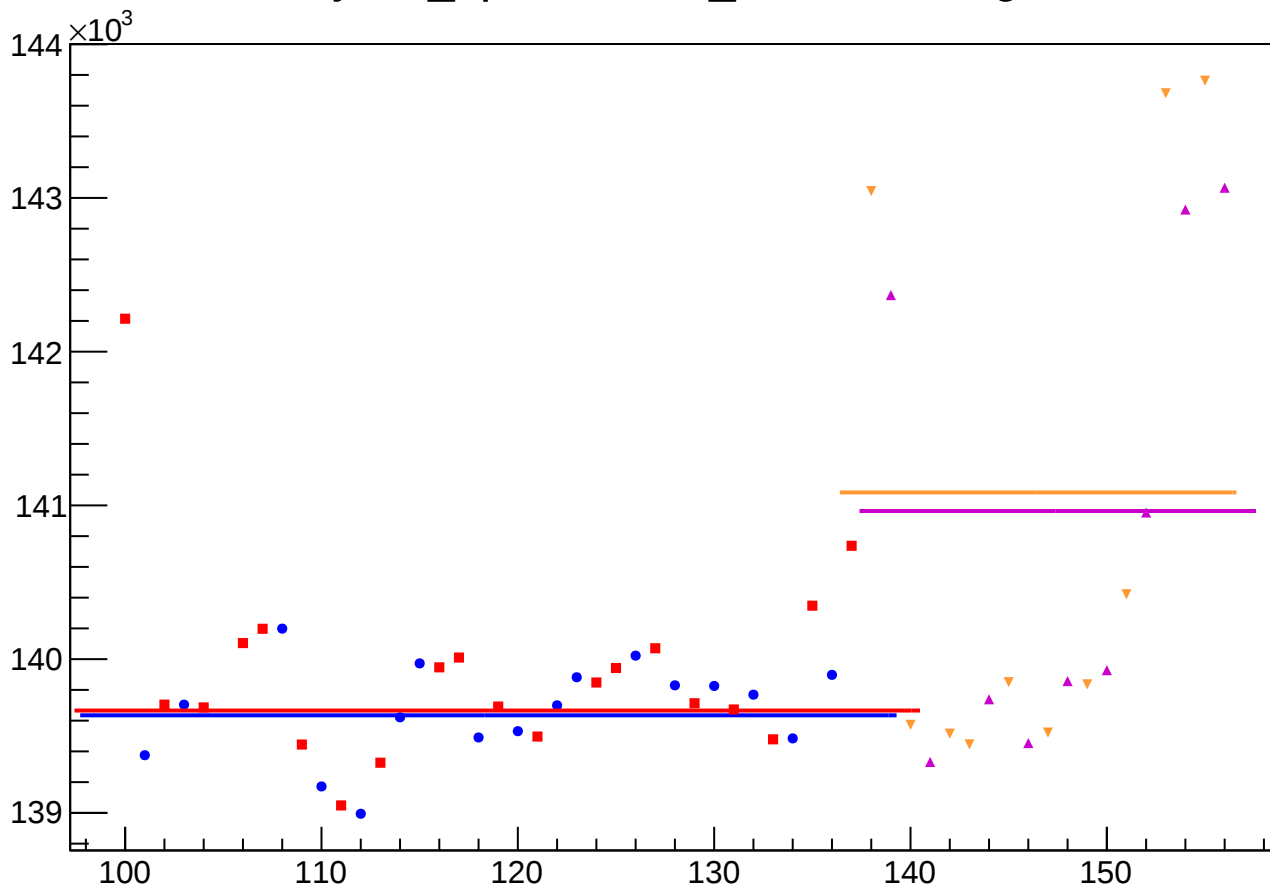
177.429 $\pm$ 0.035 χ^2 /NDF: 1602113.0/26

Right Out: 154.174 $\pm$ 0.044 χ^2 /NDF: 1224004.2/19

171.925 $\pm$ 0.034 χ^2 /NDF: 1915429.7/28

Left In: 198.270 $\pm$ 0.053 χ^2 /NDF:277787.7/8

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700 ± 0.068 χ^2/NDF : 24844912.0/16

Left Out: 141084.381 ± 0.079 χ^2/NDF : 525124018.2/9

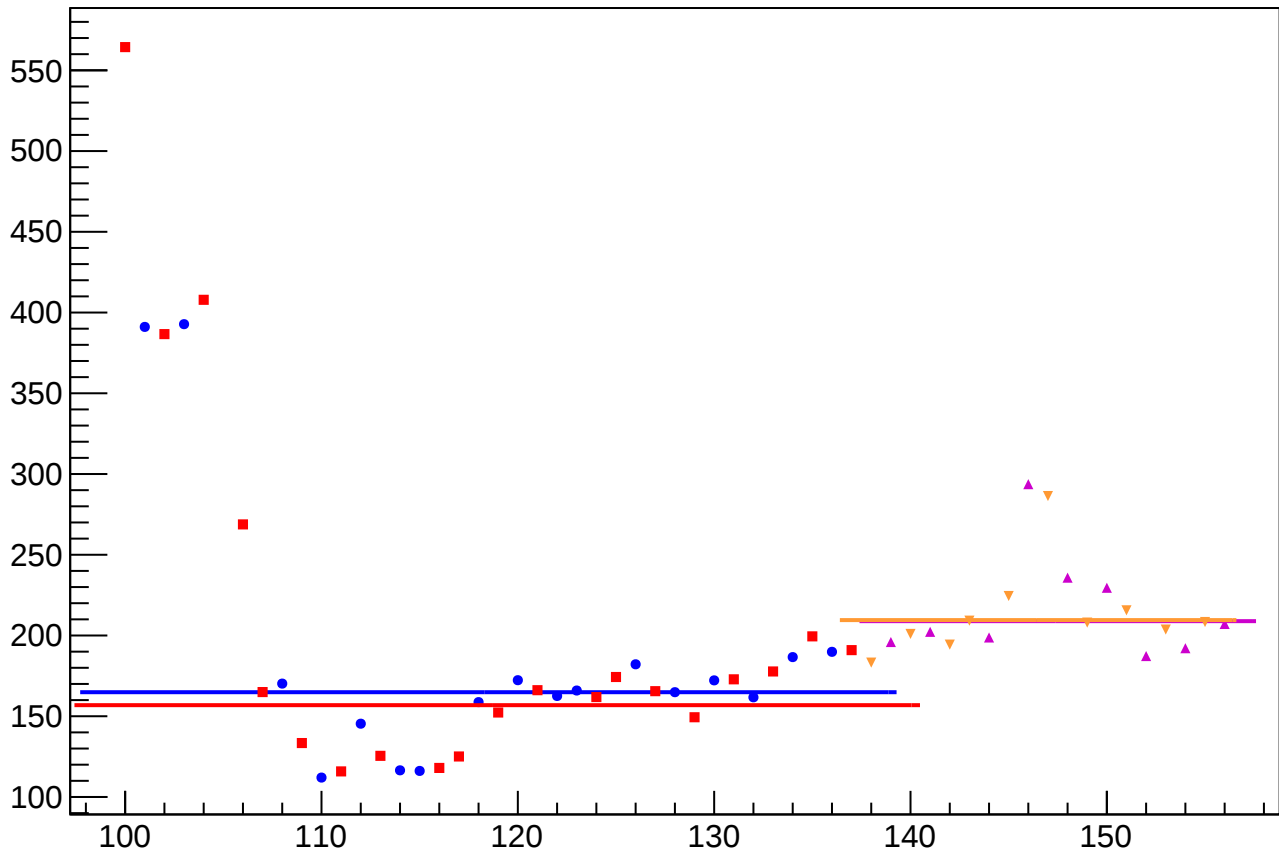
Right Out: 139665.743 ± 0.063 χ^2/NDF : 38703726.2/19

Left In: 140963.655 ± 0.079 χ^2/NDF : 338749903.2/8

140252.993 ± 0.051 χ^2/NDF : 745093366.3/26

140168.997 ± 0.049 χ^2/NDF : 543633810.5/28

yield_bpm0l09WS_rms vs Slug



Right In: 164.884+/-0.048 χ^2/NDF : 1066270.8/16

Left Out: 209.536+/-0.056 χ^2/NDF : 158516.7/9

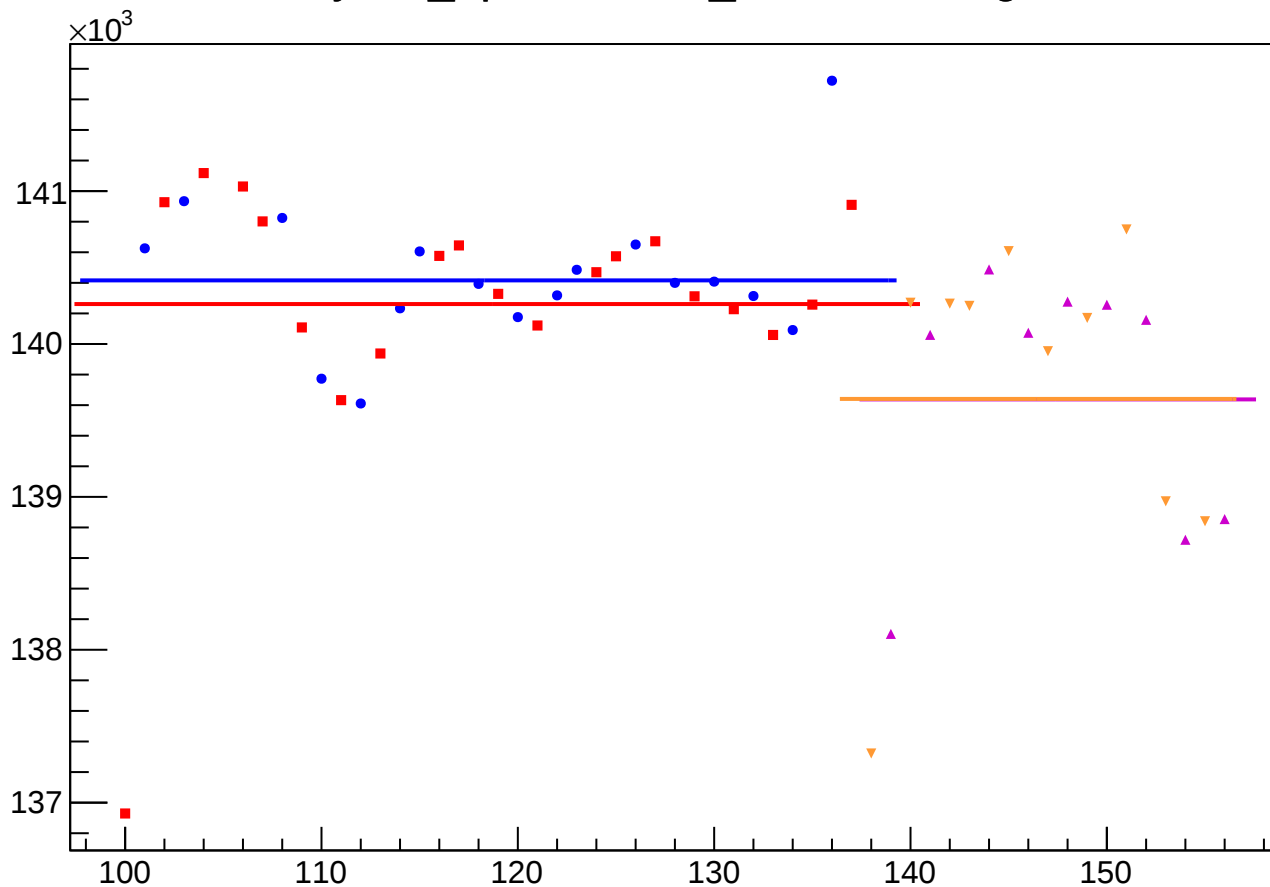
183.928+/-0.036 χ^2/NDF : 1595015.6/26

Right Out: 156.859+/-0.044 χ^2/NDF : 1250656.2/19

177.032+/-0.035 χ^2/NDF : 1994609.2/28

Left In: 208.885+/-0.056 χ^2/NDF : 209948.5/8

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 ± 0.068 χ^2/NDF : 69975821.3/16

Left Out: 139640.759 ± 0.073 χ^2/NDF : 222195102.6/9

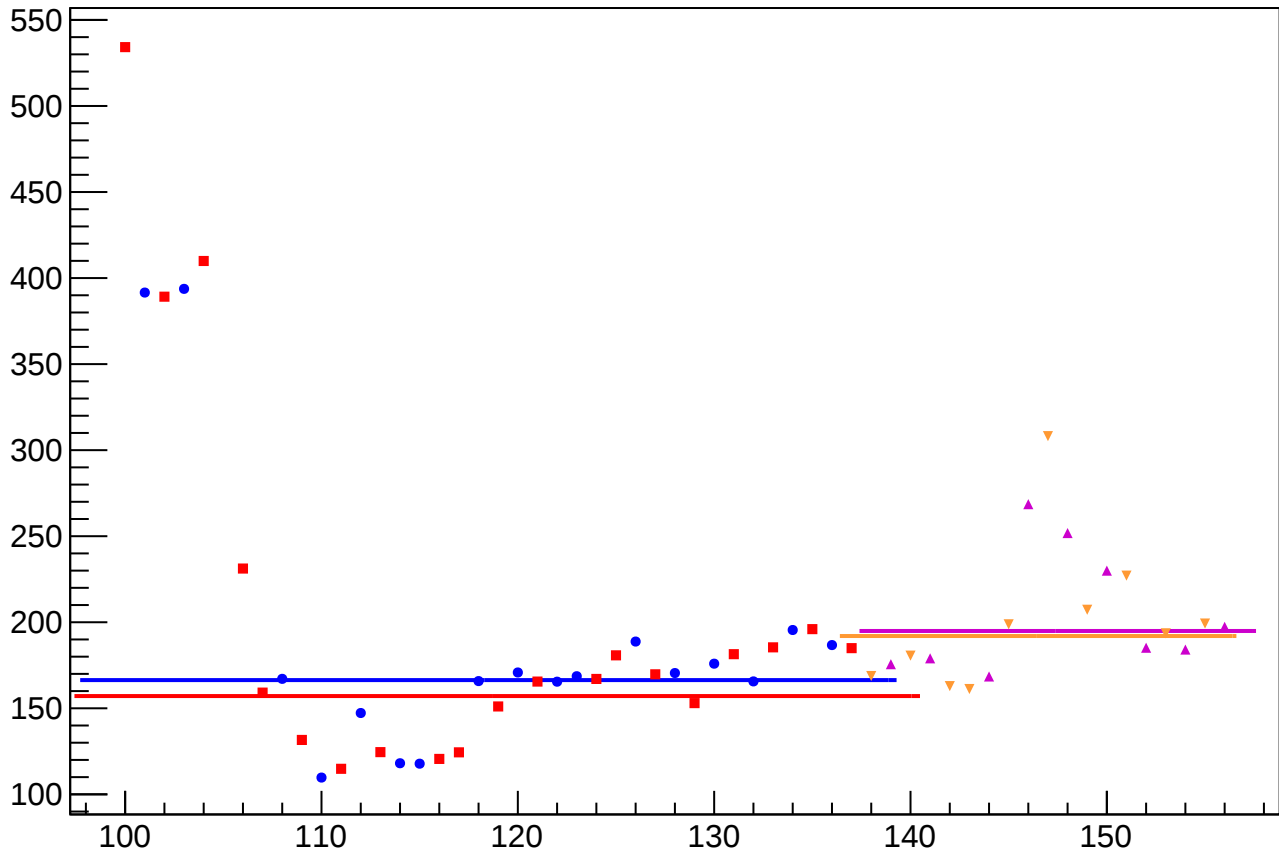
Right Out: 140261.267 ± 0.063 χ^2/NDF : 38479140.4/19

Left In: 139637.582 ± 0.074 χ^2/NDF : 129552887.3/8

140051.921 ± 0.050 χ^2/NDF : 352525281.5/26

139999.041 ± 0.048 χ^2/NDF : 209508218.5/28

yield_bpm0l10WS_rms vs Slug



Right In: 166.388 $\pm$ 0.048 χ^2/NDF : 1080964.8/16

Left Out: 191.996 $\pm$ 0.051 χ^2/NDF : 377238.1/9

Right Out: 157.110 $\pm$ 0.044 χ^2/NDF : 1235934.7/19

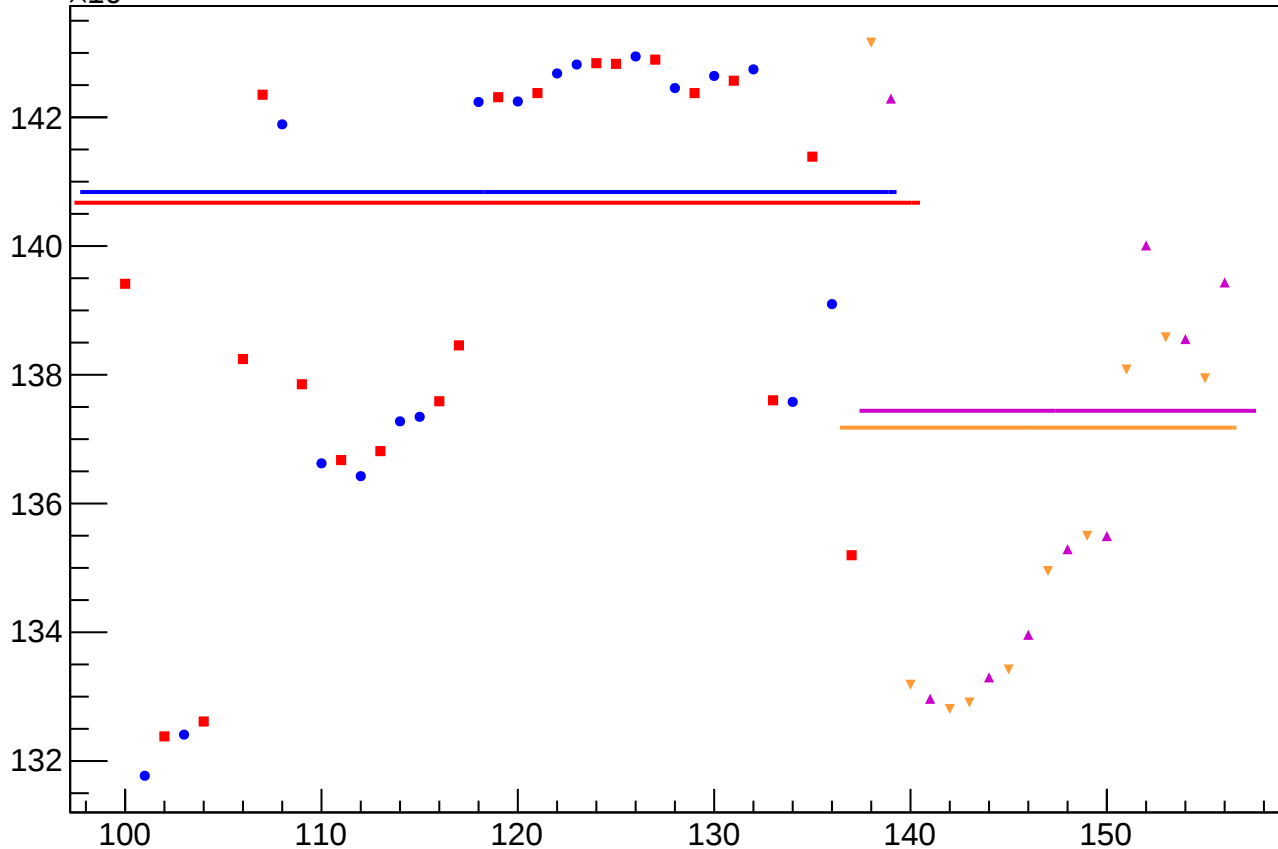
Left In: 194.930 $\pm$ 0.052 χ^2/NDF : 318339.9/8

178.416 $\pm$ 0.035 χ^2/NDF : 1589898.1/26

173.012 $\pm$ 0.034 χ^2/NDF : 1859297.4/28

yield_bpm0r03WS_mean vs Slug

$\times 10^3$



Right In: 140839.133 ± 0.100 χ^2/NDF : 822682996.3/16

Left Out: 137178.876 ± 0.115 χ^2/NDF : 1092386487.6/9

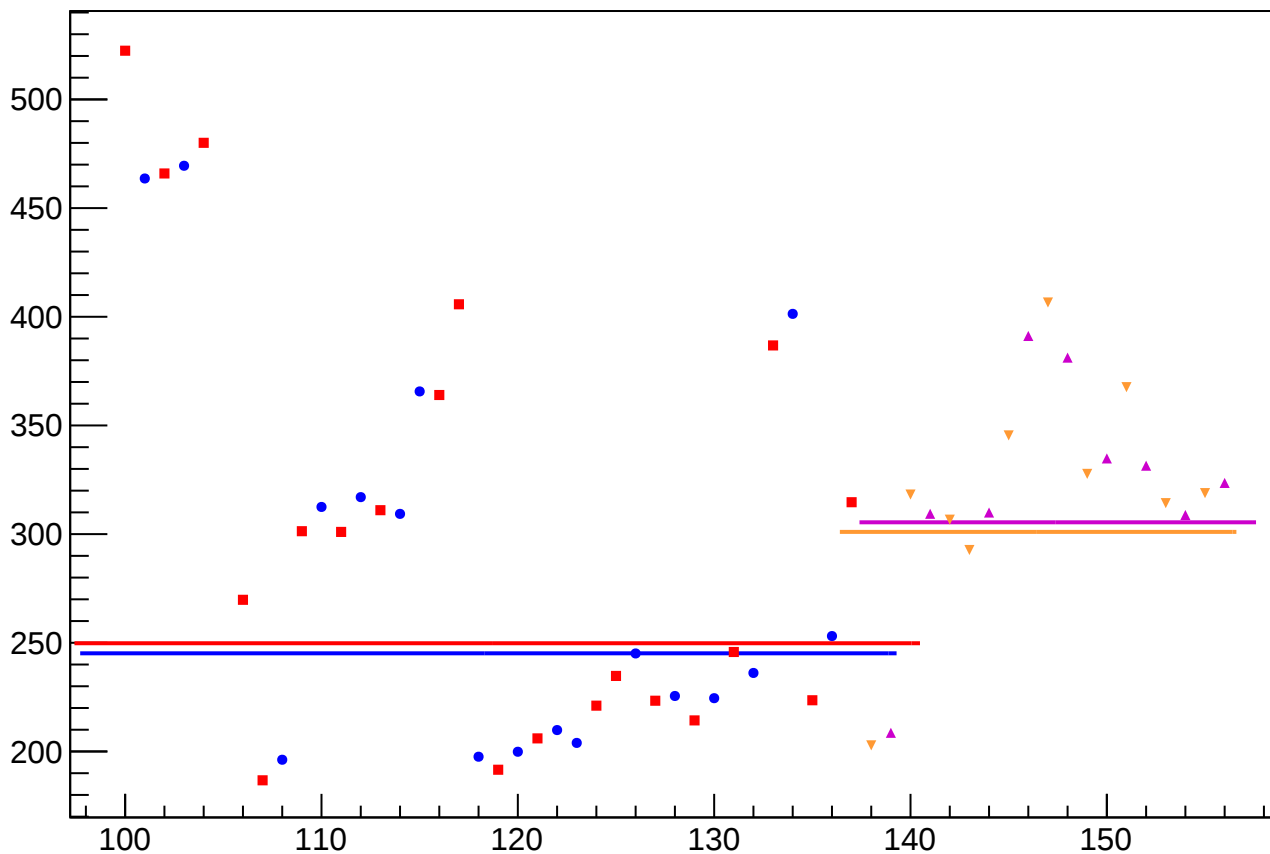
Right Out: 140672.898 ± 0.099 χ^2/NDF : 841965357.5/19

Left In: 137440.716 ± 0.117 χ^2/NDF : 869851895.4/8

139268.584 ± 0.076 χ^2/NDF : 2489796033.1/20

139324.575 ± 0.076 χ^2/NDF : 2156691398.0/20

yield_bpm0r03WS_rms vs Slug



Right In: 245.159 ± 0.071 χ^2/NDF : 869491.6/16

Left Out: 301.026 ± 0.082 χ^2/NDF : 531763.2/9

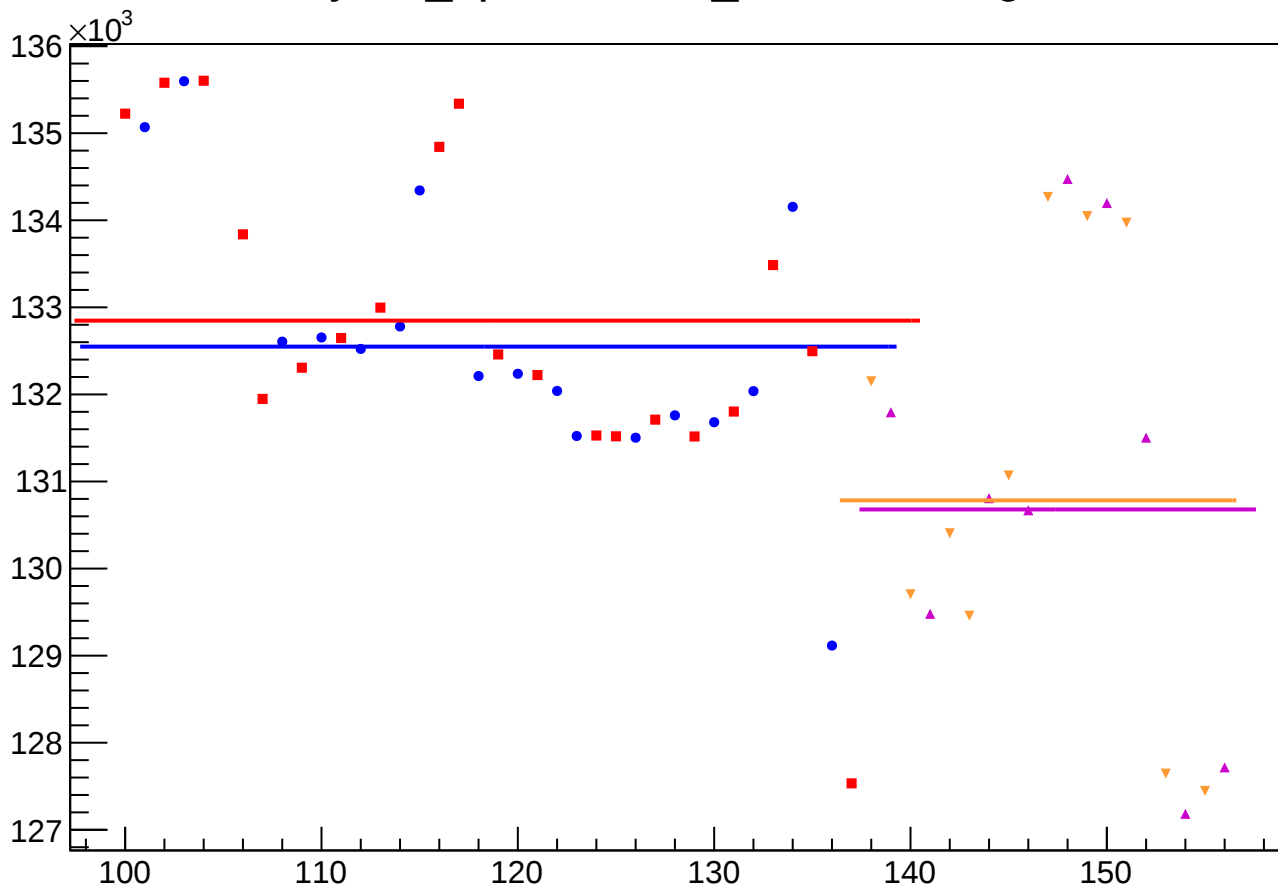
Right Out: 249.792 ± 0.070 χ^2/NDF : 1022316.0/19

Left In: 305.435 ± 0.083 χ^2/NDF : 443992.8/8

269.130 ± 0.053 χ^2/NDF : 1669032.0/26

273.004 ± 0.053 χ^2/NDF : 1730004.6/28

yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 $\pm$ 0.119 χ^2 /NDF: 161115079.9/16

Left Out: 130783.392 $\pm$ 0.089 χ^2 /NDF: 467227209.0/9

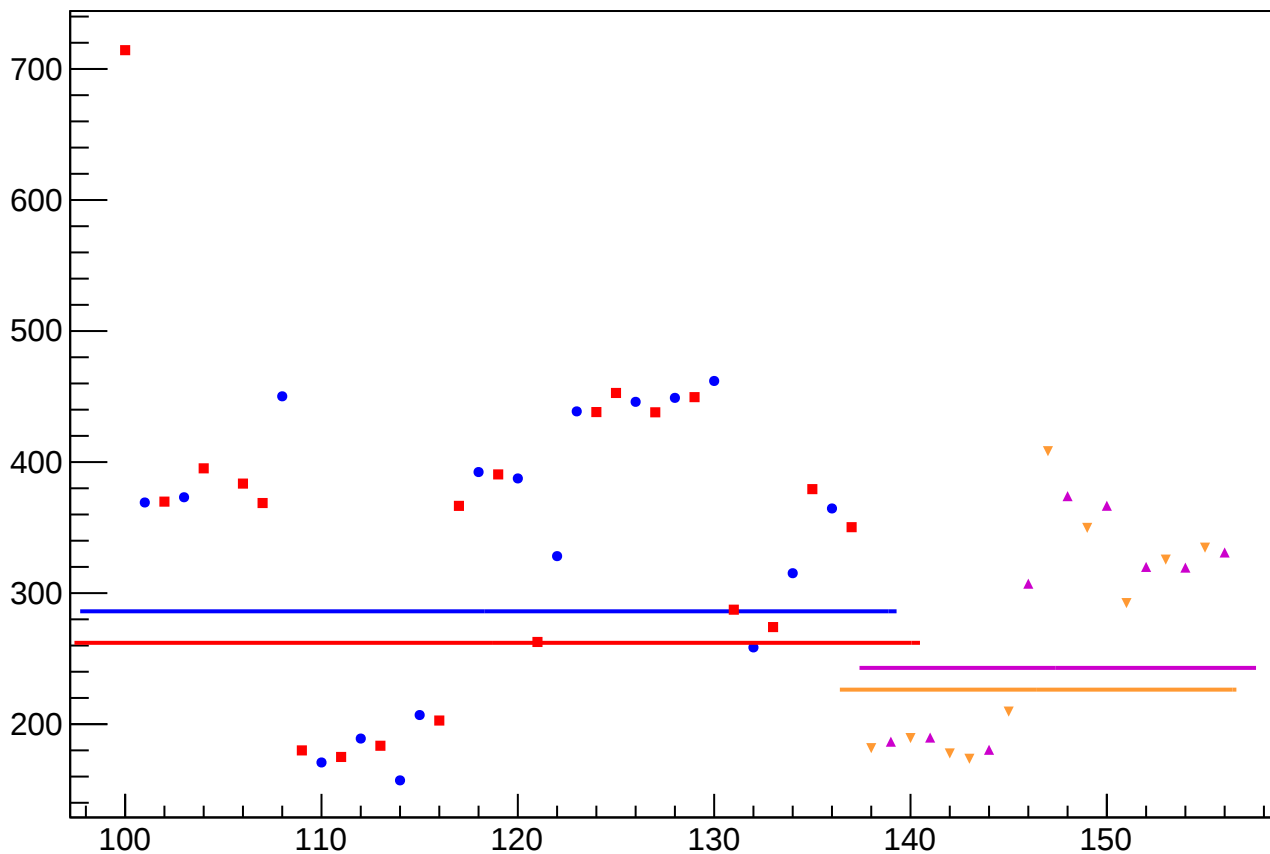
Right Out: 132847.502 $\pm$ 0.107 χ^2 /NDF: 151618589.4/19

Left In: 130678.895 $\pm$ 0.095 χ^2 /NDF: 383751906.6/8

131413.995 $\pm$ 0.071 χ^2 /NDF: 768954125.2/26

131639.287 $\pm$ 0.071 χ^2 /NDF: 764639986.0/28

yield_bpm0r05WS_rms vs Slug



Right In: 286.122+/-0.084 χ^2/NDF : 1525266.4/16

Left Out: 226.341+/-0.063 χ^2/NDF :1218519.9/9

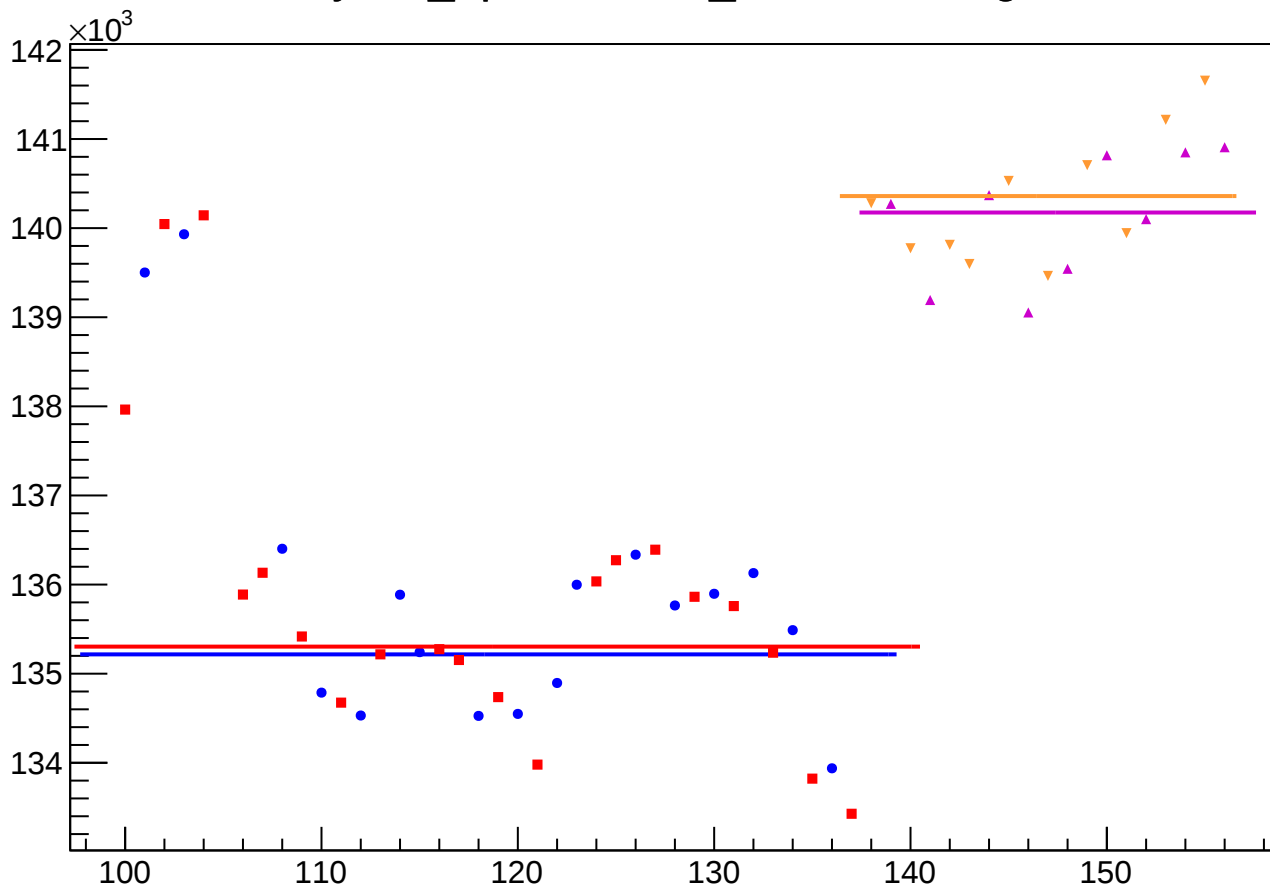
Right Out: 262.073+/-0.076 χ^2/NDF : 1630239.5/19

Left In: 242.935+/-0.067 χ^2/NDF :1201430.3/8

247.694+/-0.050 χ^2/NDF : 3066224.6/26

251.410+/-0.050 χ^2/NDF : 2867378.5/28

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 $\pm$ 0.054 χ^2 /NDF: 371347707.3/16

Left Out: 140359.736 $\pm$ 0.069 χ^2 /NDF: 104968687.1/9

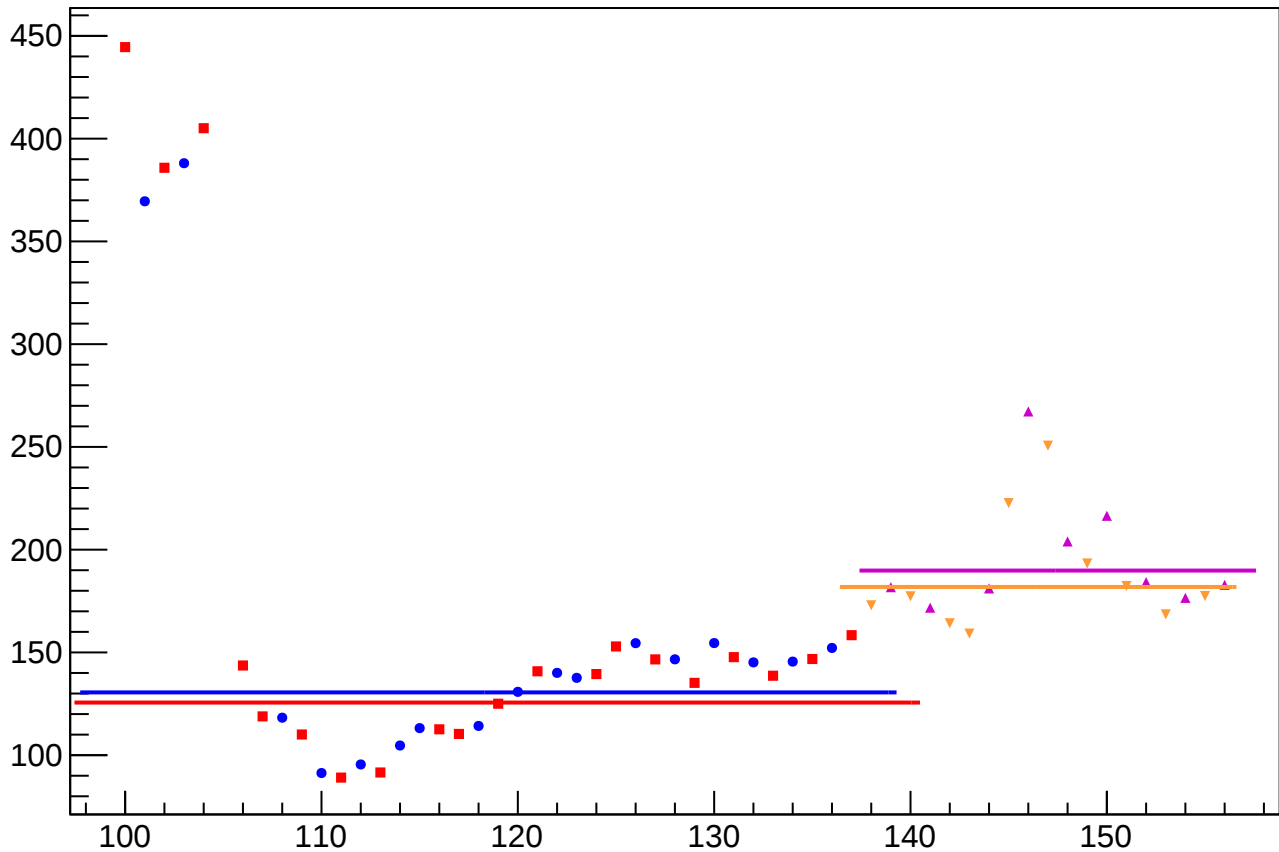
Right Out: 135303.736 $\pm$ 0.051 χ^2 /NDF: 357717935.5/19

Left In: 140175.120 $\pm$ 0.072 χ^2 /NDF: 80835982.8/8

137197.241 $\pm$ 0.043 χ^2 /NDF: 3924113693.1/20

136934.990 $\pm$ 0.042 χ^2 /NDF: 3505132743.7/28

yield_bpm0i02WS_rms vs Slug



Right In: 130.552+/-0.038 χ^2/NDF : 1373104.9/16

Left Out: 181.852+/-0.049 χ^2/NDF : 217813.1/9

150.307+/-0.030 χ^2/NDF : 2276961.2/26

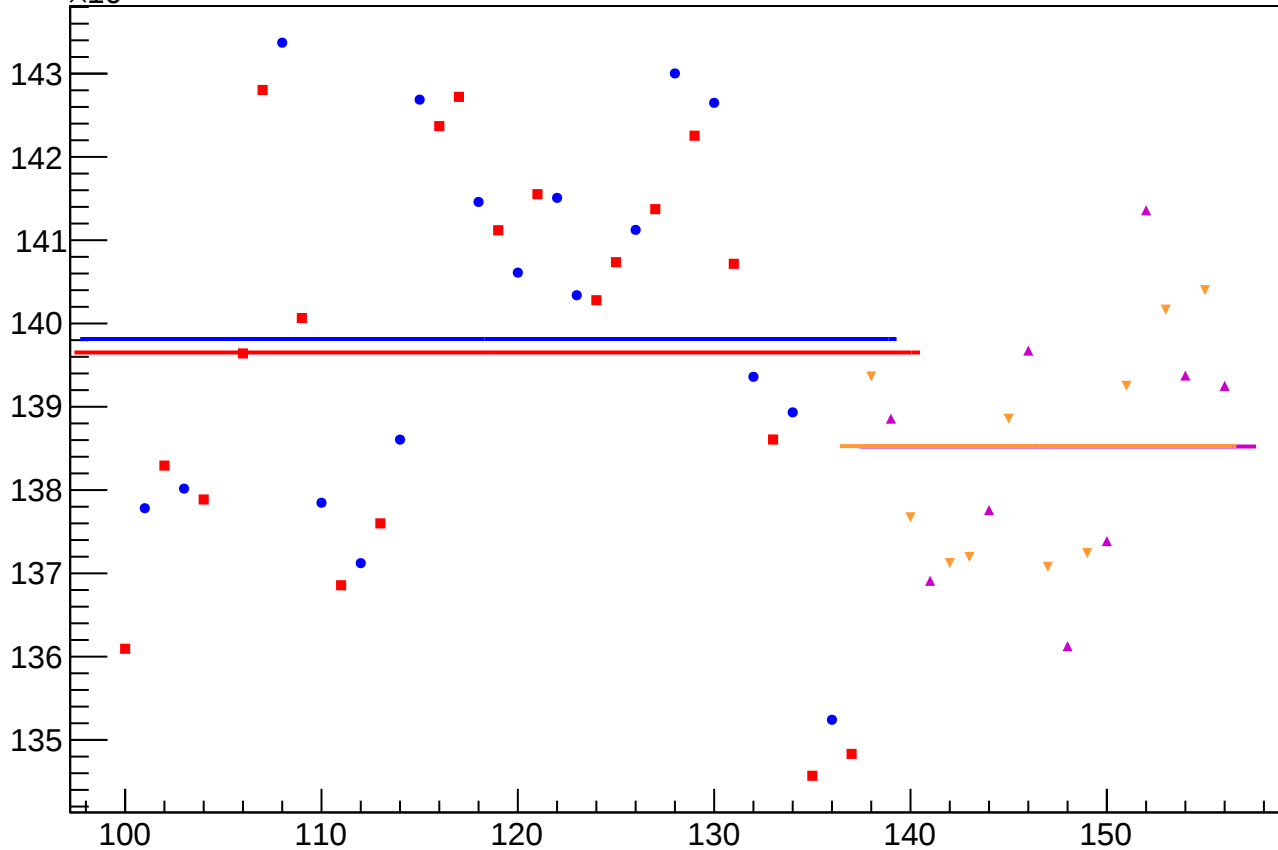
Right Out: 125.603+/-0.036 χ^2/NDF : 1441677.4/19

147.113+/-0.029 χ^2/NDF : 2703404.6/28

Left In: 189.838+/-0.051 χ^2/NDF : 195324.5/8

yield_bpm0i02aWS_mean vs Slug

$\times 10^3$



Right In: 139813.664 $\pm$ 0.062 χ^2 /NDF: 1689865533.6/16

Left Out: 138527.525 $\pm$ 0.070 χ^2 /NDF: 317347245.3/9

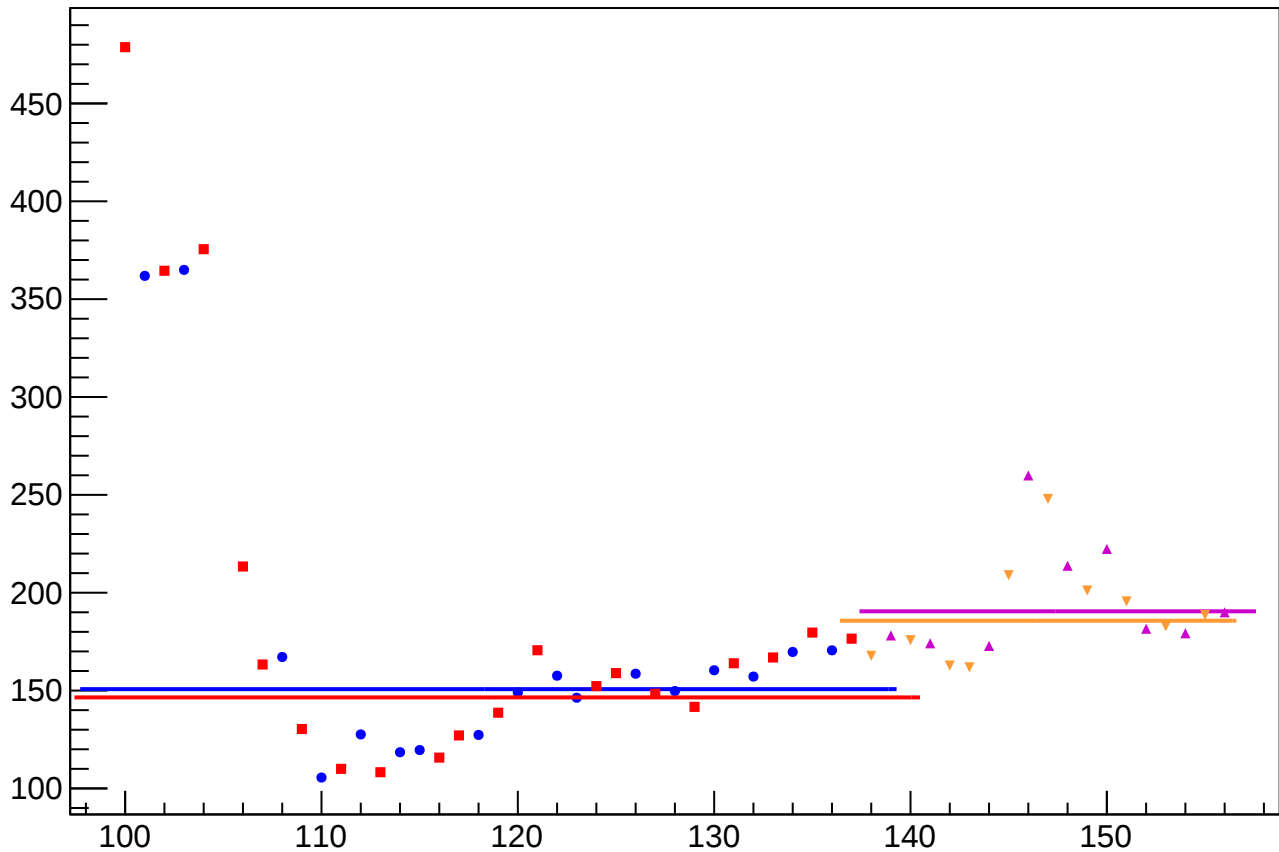
Right Out: 139651.821 $\pm$ 0.059 χ^2 /NDF: 1531019137.4/19

Left In: 138522.748 $\pm$ 0.072 χ^2 /NDF: 447148617.1/8

139251.038 $\pm$ 0.046 χ^2 /NDF: 2195930464.0/20

139201.076 $\pm$ 0.046 χ^2 /NDF: 2125625594.2/28

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733+/-0.044 χ^2/NDF : 1050071.6/16

Left Out: 185.688+/-0.050 χ^2/NDF :193978.3/9

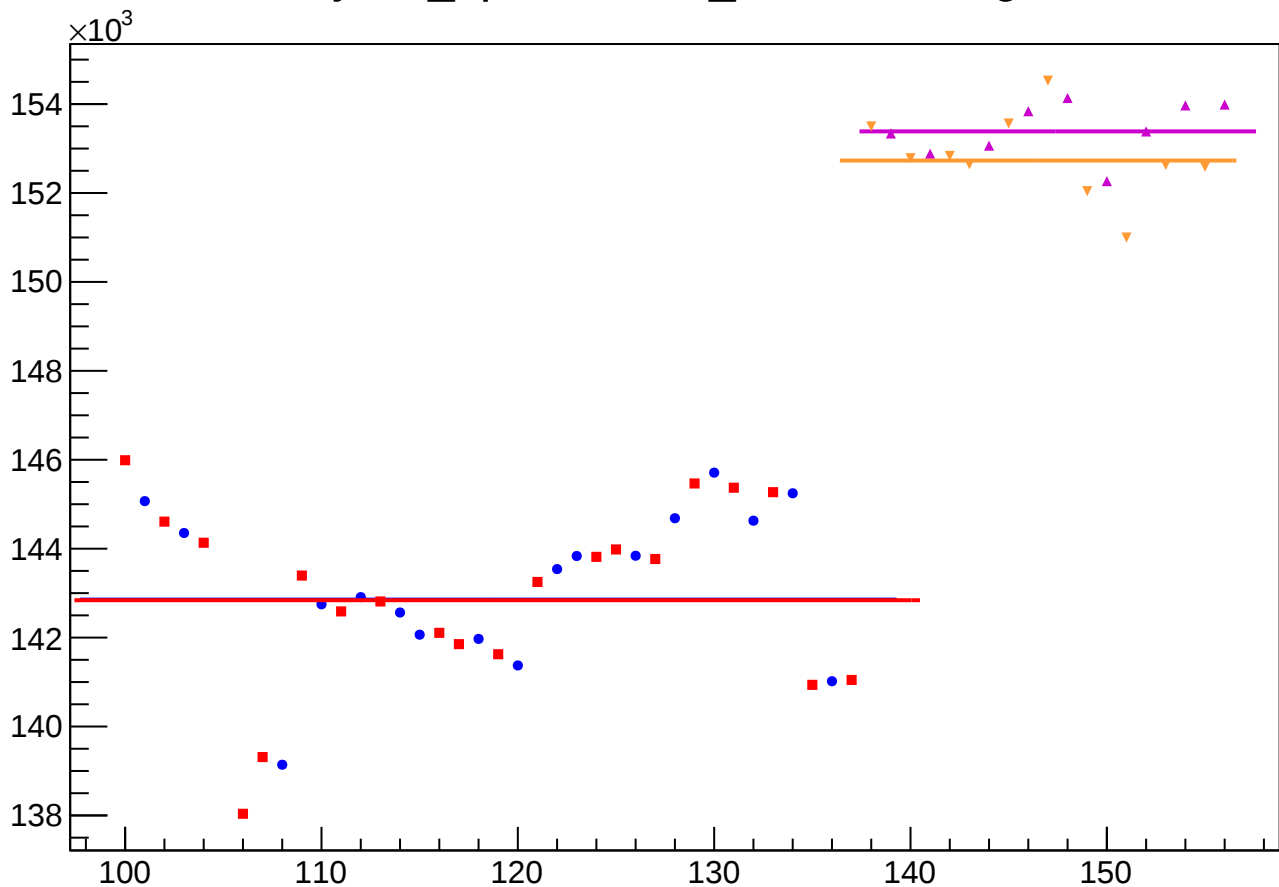
166.024+/-0.033 χ^2/NDF : 1522849.9/26

Right Out: 146.506+/-0.042 χ^2/NDF : 1205131.2/19

164.067+/-0.032 χ^2/NDF : 1863774.3/28

Left In: 190.496+/-0.051 χ^2/NDF :210965.1/8

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065 χ^2 /NDF: 740367386.5/16

Left Out: 152730.116 $\pm$ 0.071 χ^2 /NDF: 138033901.8/9

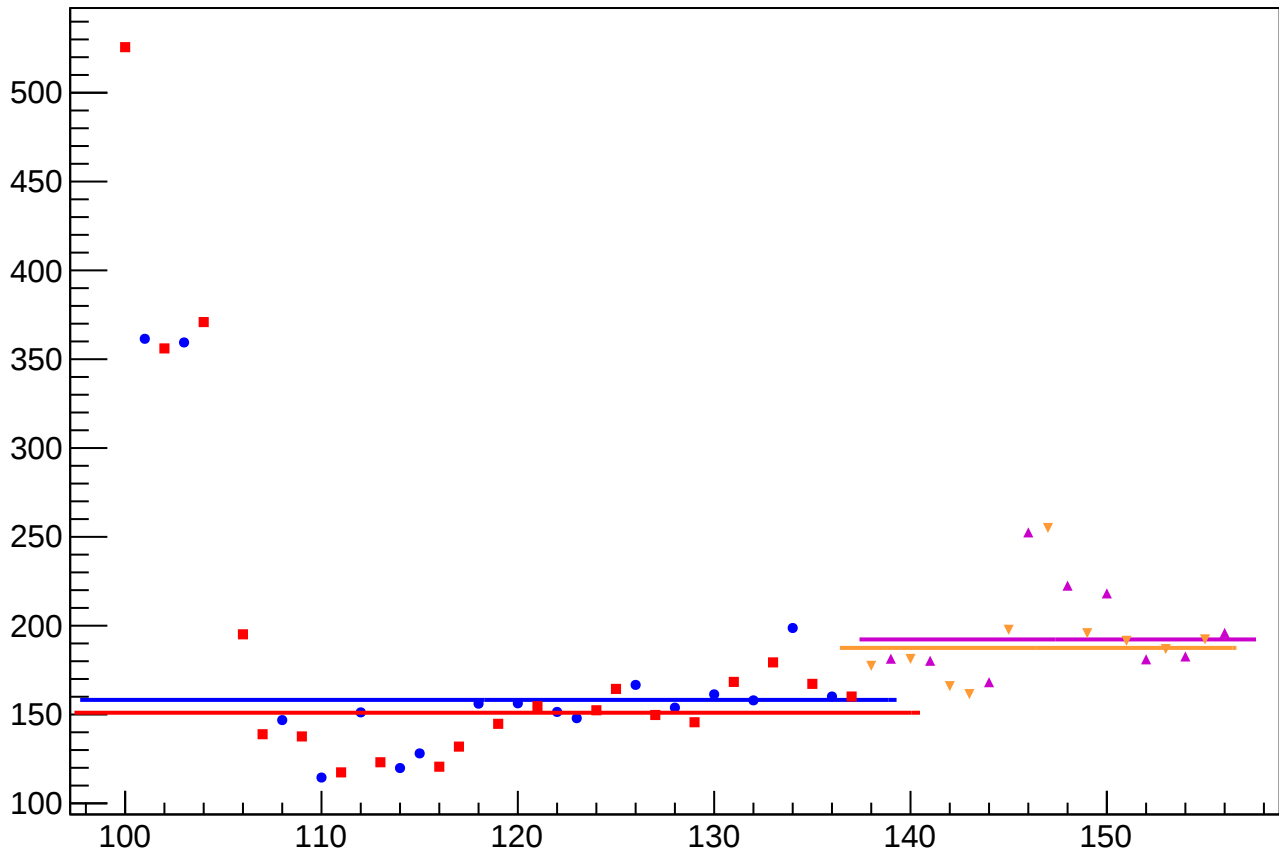
147358.497 $\pm$ 0.048 χ^2 /NDF: 11517138479.3/2

Right Out: 142840.509 $\pm$ 0.060 χ^2 /NDF: 852484333.4/19

147137.125 $\pm$ 0.046 χ^2 /NDF: 13444241332.4/2

Left In: 153385.953 $\pm$ 0.073 χ^2 /NDF: 58853821.0/8

yield_bpm0i05WS_rms vs Slug



Right In: 158.233+/-0.046 χ^2/NDF : 883513.4/16

Left Out: 187.502+/-0.050 χ^2/NDF :170822.6/9

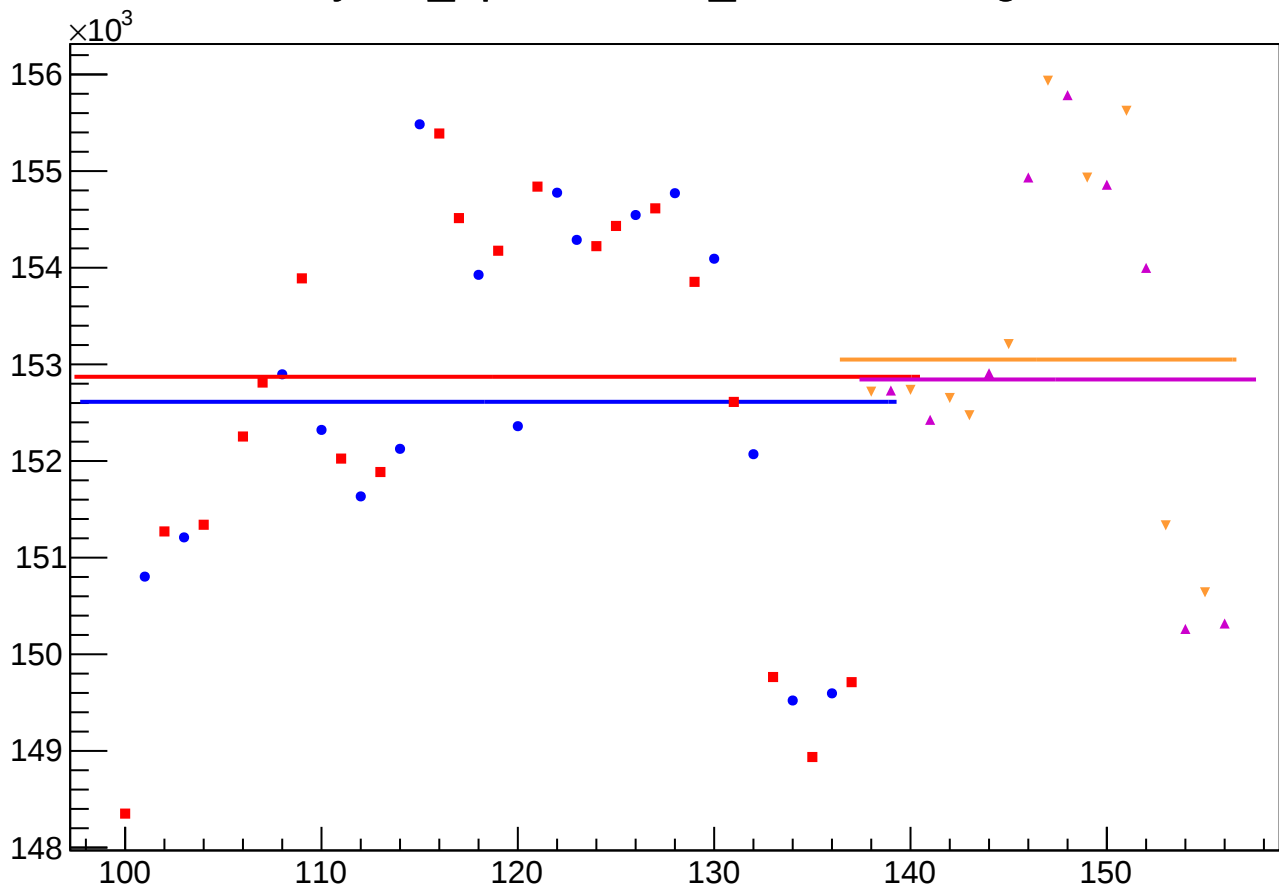
171.582+/-0.034 χ^2/NDF : 1241228.2/26

Right Out: 151.003+/-0.043 χ^2/NDF : 1005104.9/19

167.812+/-0.033 χ^2/NDF : 1588680.1/28

Left In: 192.259+/-0.051 χ^2/NDF :199944.6/8

yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072 χ^2 /NDF: 621416187.4/16

Left Out: 153049.862 $\pm$ 0.071 χ^2 /NDF: 490003303.5/9

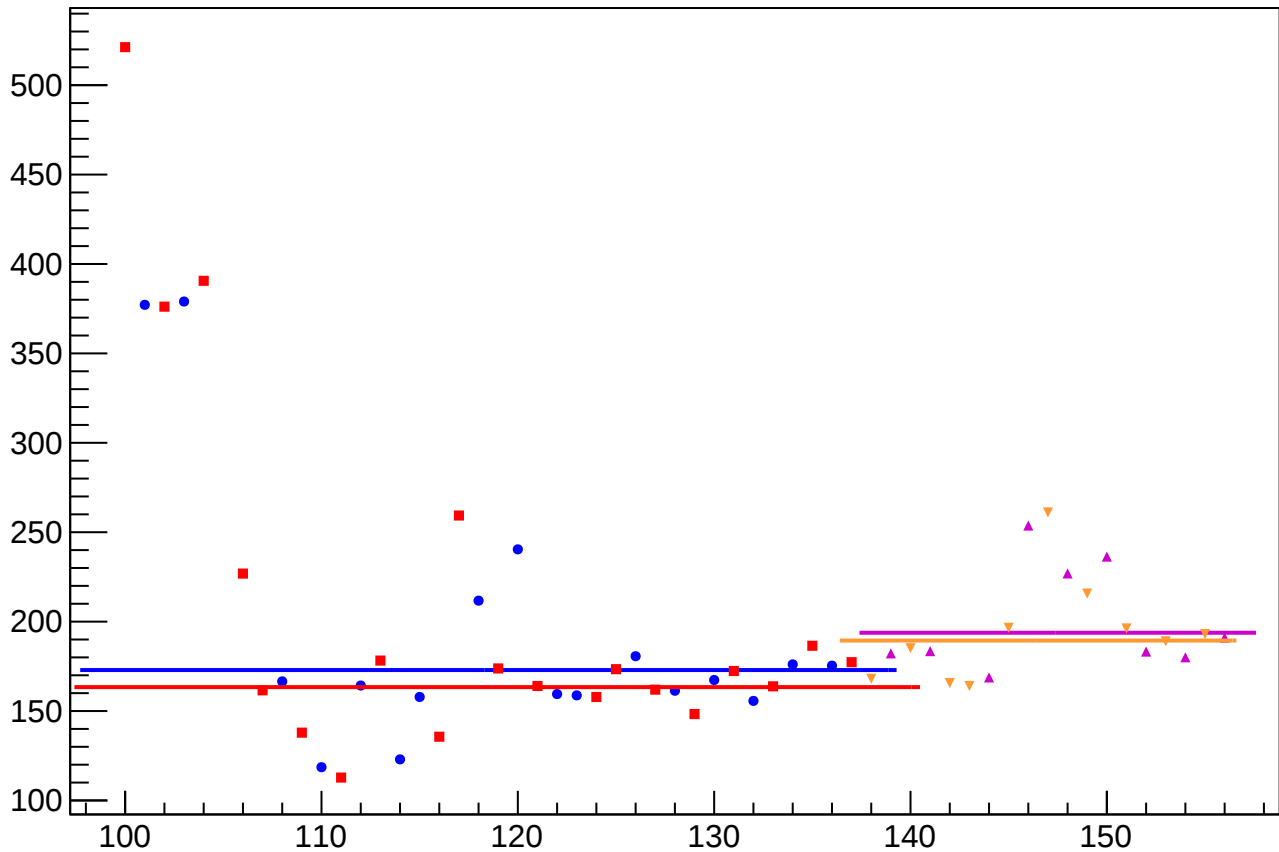
Right Out: 152871.618 $\pm$ 0.066 χ^2 /NDF: 720639345.6/19

Left In: 152843.683 $\pm$ 0.073 χ^2 /NDF: 585671223.4/8

152834.351 $\pm$ 0.051 χ^2 /NDF: 1130039864.8/26

152859.025 $\pm$ 0.049 χ^2 /NDF: 1306391004.2/28

yield_bpm0i07WS_rms vs Slug



Right In: 172.921+/-0.051 χ^2/NDF : 941954.0/16

Left Out: 189.424+/-0.050 χ^2/NDF : 217365.5/9

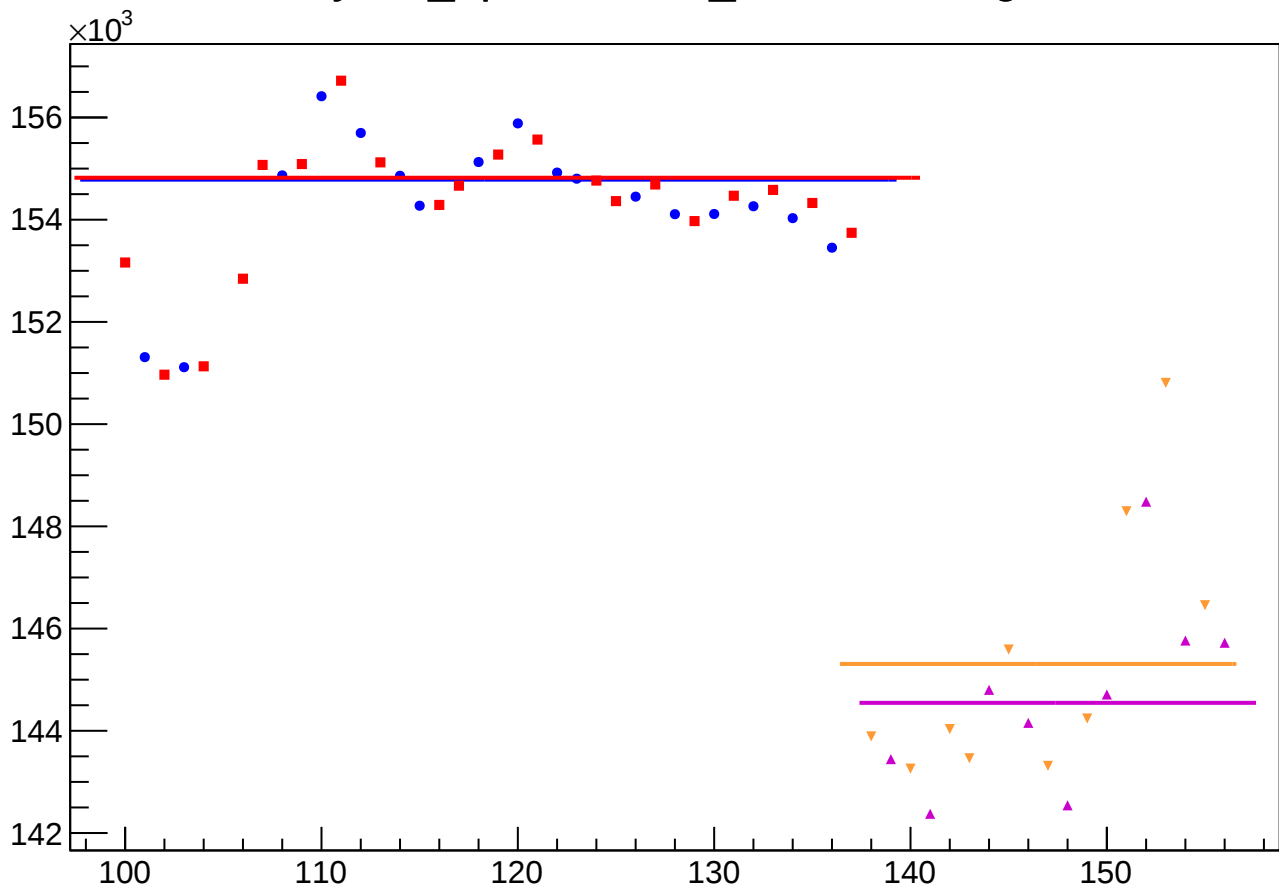
181.291+/-0.036 χ^2/NDF : 1212365.6/26

Right Out: 163.382+/-0.047 χ^2/NDF : 1044431.2/19

177.090+/-0.035 χ^2/NDF : 1474771.2/28

Left In: 193.791+/-0.052 χ^2/NDF : 239705.3/8

yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 $\pm$ 0.065 χ^2 /NDF: 265581398.0/16

Left Out: 145308.103 $\pm$ 0.065 χ^2 /NDF: 1421573287.4/9

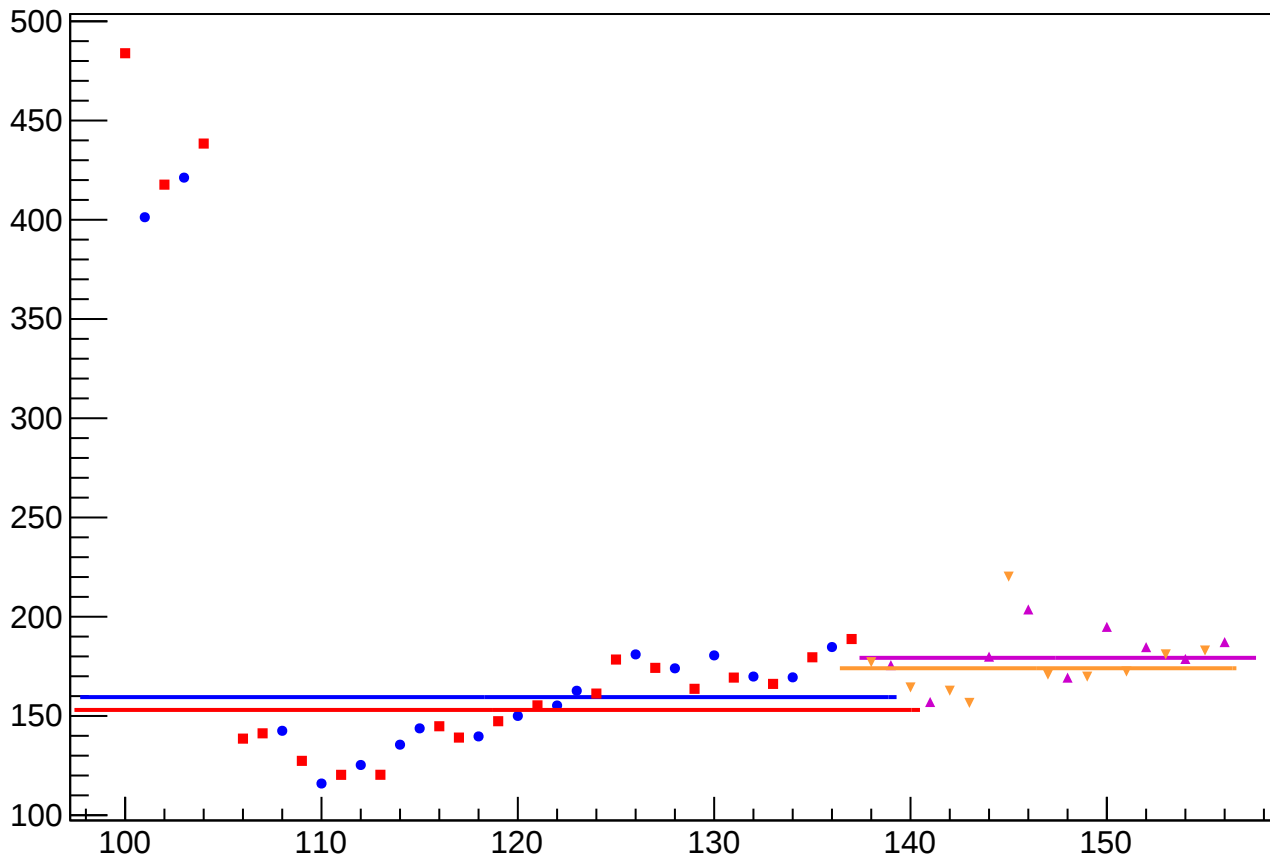
Right Out: 154820.824 $\pm$ 0.061 χ^2 /NDF: 293904936.4/19

Left In: 144546.999 $\pm$ 0.067 χ^2 /NDF: 744098266.8/8

150012.000 $\pm$ 0.046 χ^2 /NDF: 12269532887.5/2

150188.941 $\pm$ 0.045 χ^2 /NDF: 13980668790.5/2

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 174.040 $\pm$ 0.046 χ^2 /NDF:101047.3/9

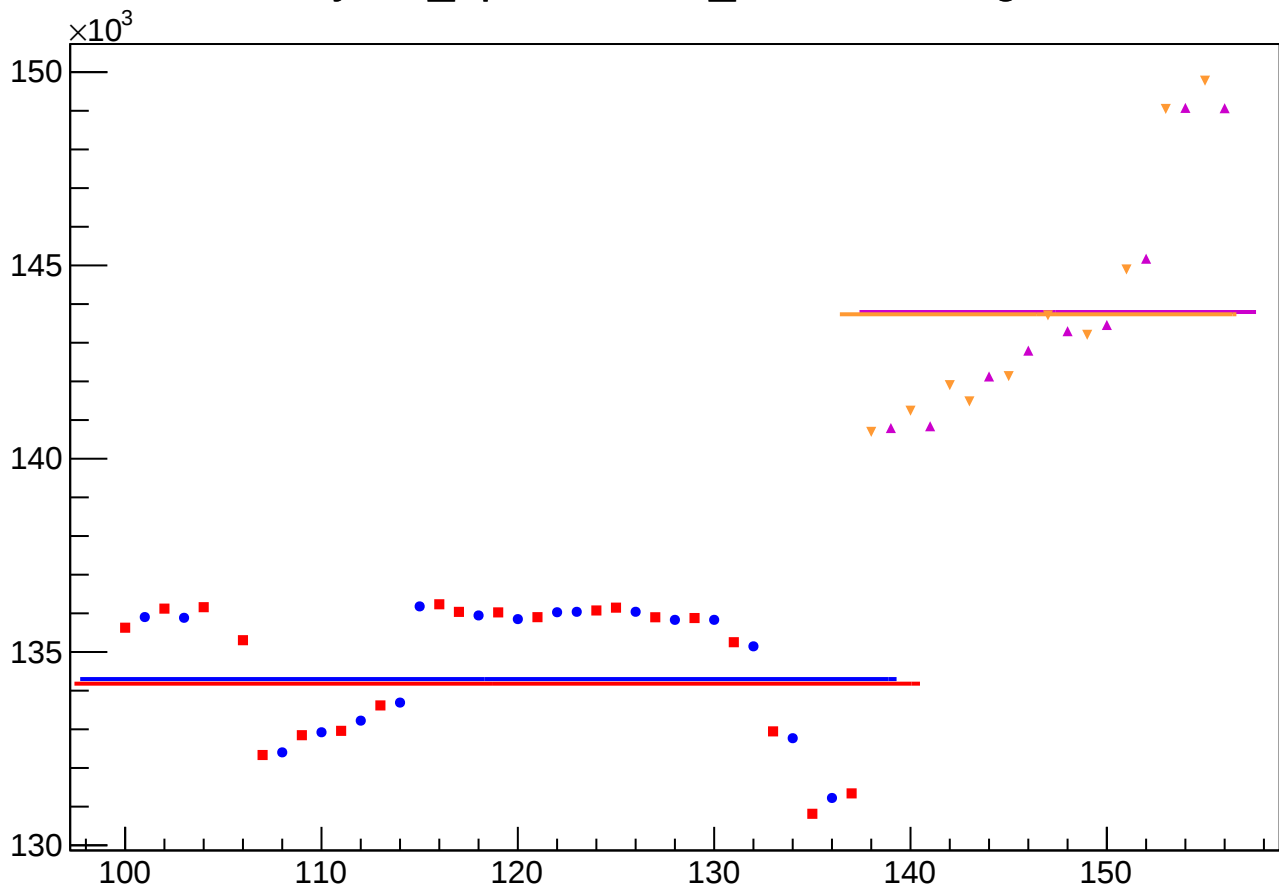
Right Out: 153.038 $\pm$ 0.043 χ^2 /NDF: 1174616.4/19

Left In: 179.287 $\pm$ 0.047 χ^2 /NDF:77451.9/8

166.824 $\pm$ 0.033 χ^2 /NDF: 1282697.7/26

164.872 $\pm$ 0.032 χ^2 /NDF: 1421041.5/28

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 $\pm$ 0.050 χ^2 /NDF: 1149581803.2/16

Left Out: 143736.093 $\pm$ 0.064 χ^2 /NDF: 2145510020.1/9

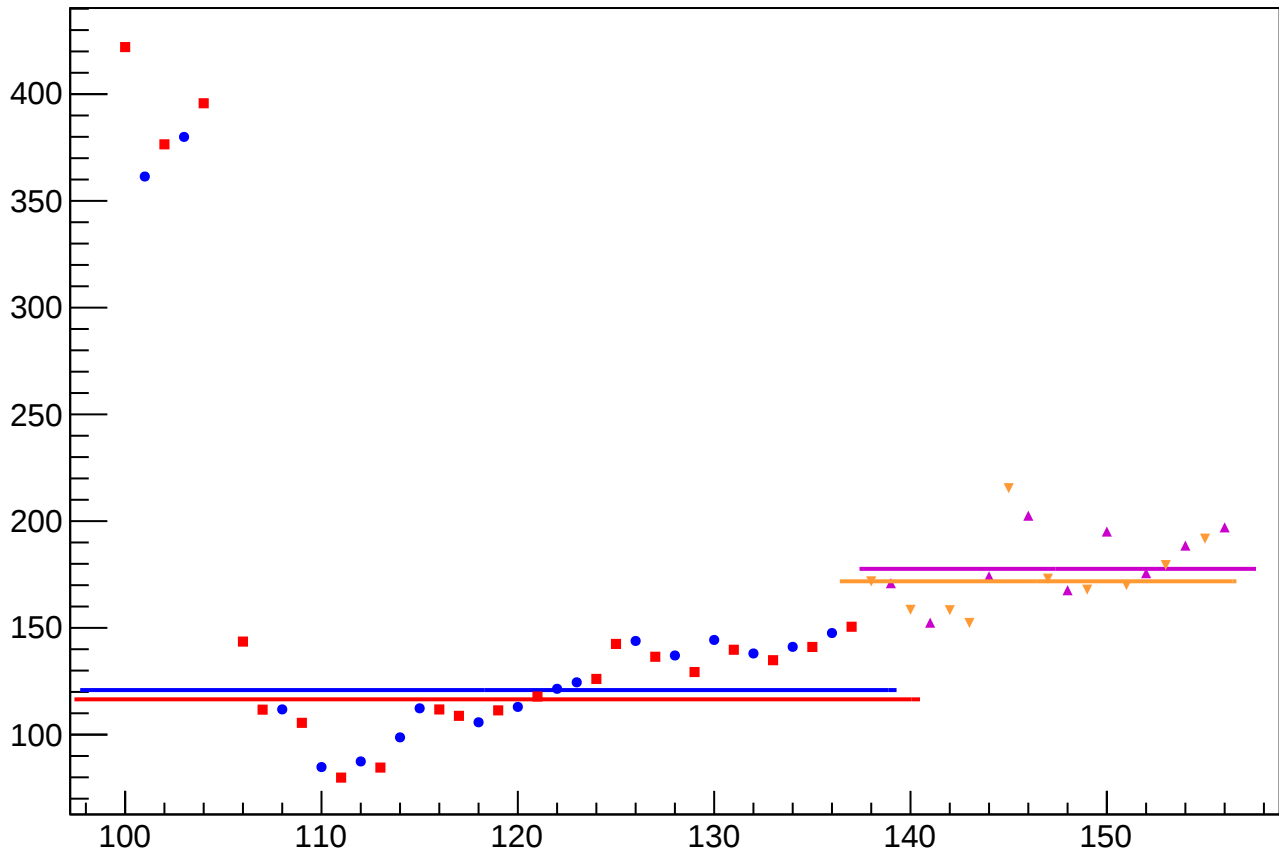
Right Out: 134180.888 $\pm$ 0.047 χ^2 /NDF: 1224202240.2/19

Left In: 143795.077 $\pm$ 0.066 χ^2 /NDF: 1874454267.9/8

137894.303 $\pm$ 0.040 χ^2 /NDF: 16677629112.0/2

137403.099 $\pm$ 0.038 χ^2 /NDF: 17004271815.3/2

yield_bpm1i04WS_rms vs Slug



Right In: 120.872+/-0.036 χ^2/NDF : 1463728.4/16

Left Out: 171.818+/-0.045 χ^2/NDF :121467.5/9

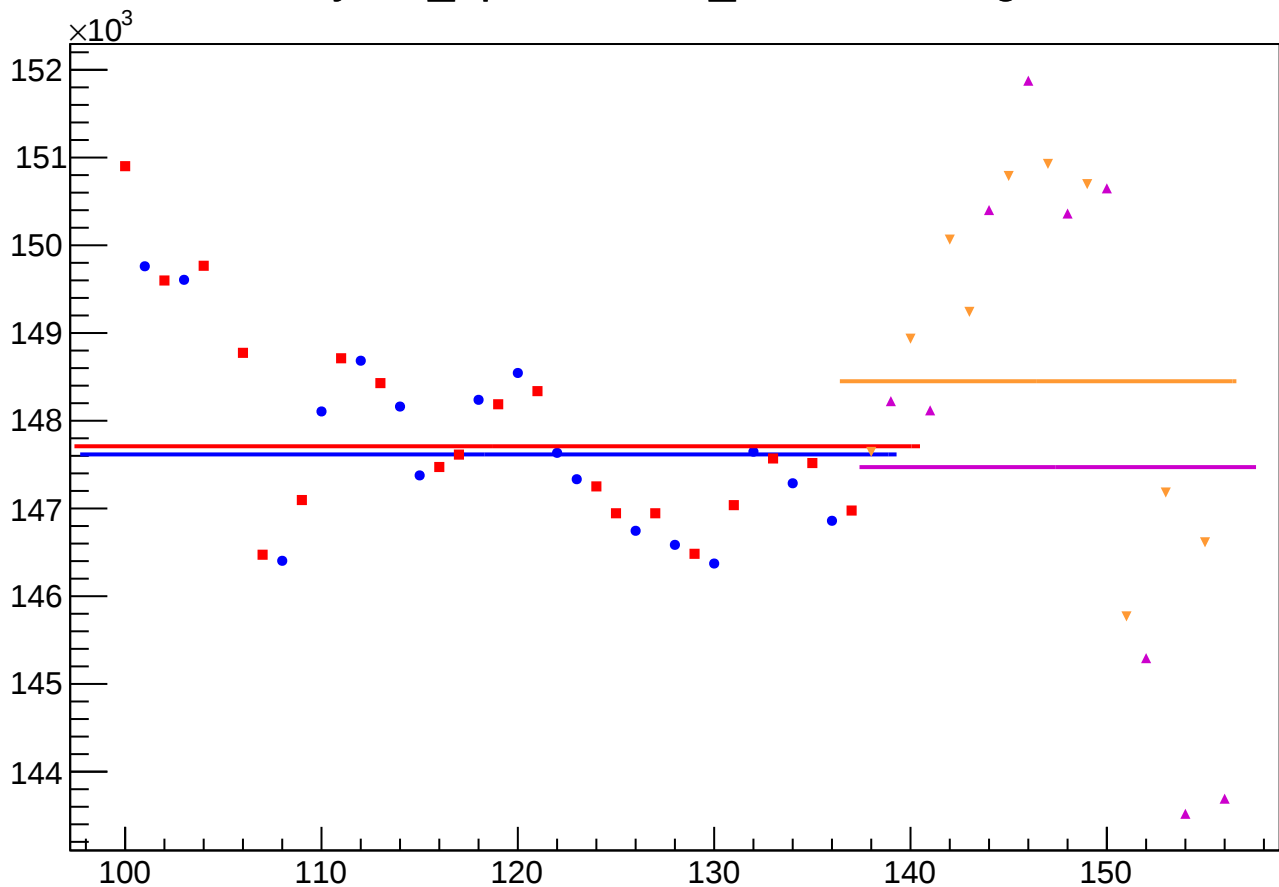
140.278+/-0.028 χ^2/NDF : 2365393.5/26

Right Out: 116.531+/-0.033 χ^2/NDF : 1541779.4/19

137.015+/-0.027 χ^2/NDF : 2777831.8/28

Left In: 177.651+/-0.047 χ^2/NDF :112074.5/8

yield_bpm1i06WS_mean vs Slug



Right In: 147616.150 $\pm$ 0.062 χ^2 /NDF: 199263428.7/16

Left Out: 148450.313 $\pm$ 0.074 χ^2 /NDF: 563736060.0/9

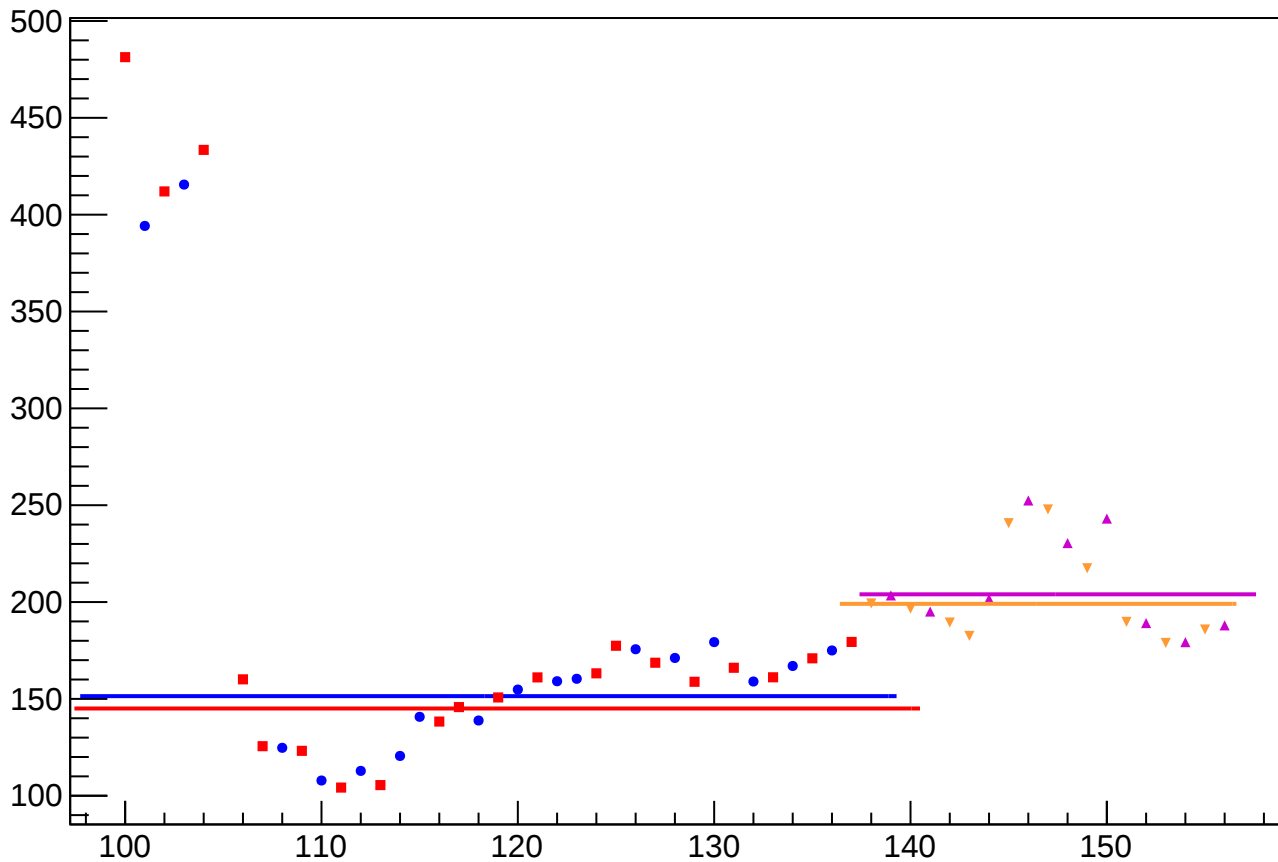
Right Out: 147709.096 $\pm$ 0.058 χ^2 /NDF: 203924272.1/19

Left In: 147471.618 $\pm$ 0.076 χ^2 /NDF: 1526662716.1/8

147960.794 $\pm$ 0.048 χ^2 /NDF: 836635489.3/26

147622.111 $\pm$ 0.046 χ^2 /NDF: 1736699285.3/28

yield_bpm1i06WS_rms vs Slug



Right In: 151.424 $\pm$ 0.044 χ^2 /NDF: 1257843.0/16

Left Out: 199.075 $\pm$ 0.053 χ^2 /NDF:162136.8/9

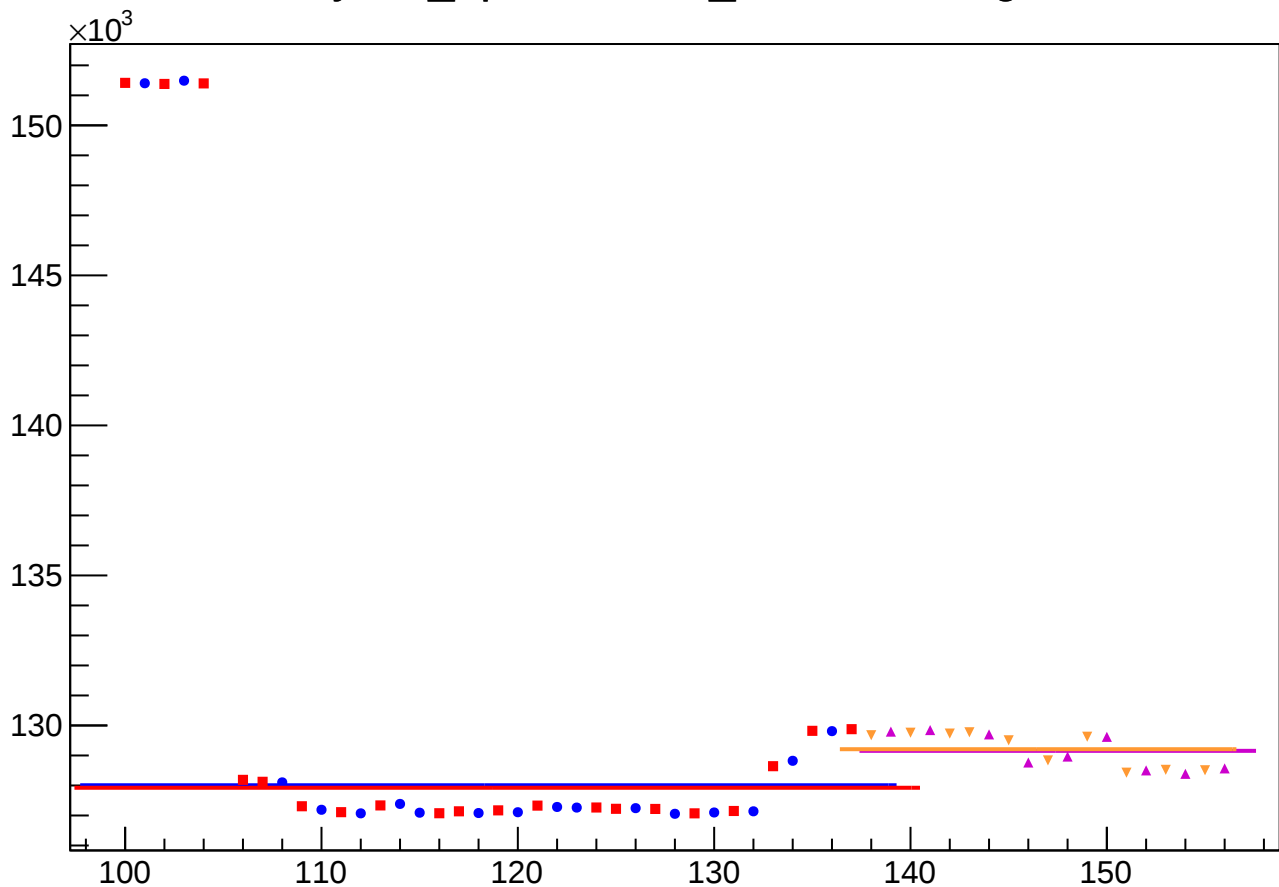
171.111 $\pm$ 0.034 χ^2 /NDF: 1900553.5/26

Right Out: 145.044 $\pm$ 0.041 χ^2 /NDF: 1375974.1/19

166.636 $\pm$ 0.033 χ^2 /NDF: 2309058.0/28

Left In: 203.992 $\pm$ 0.054 χ^2 /NDF:179864.9/8

yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16

Left Out: 129208.692 $\pm$ 0.063 χ^2 /NDF: 79213676.5/9

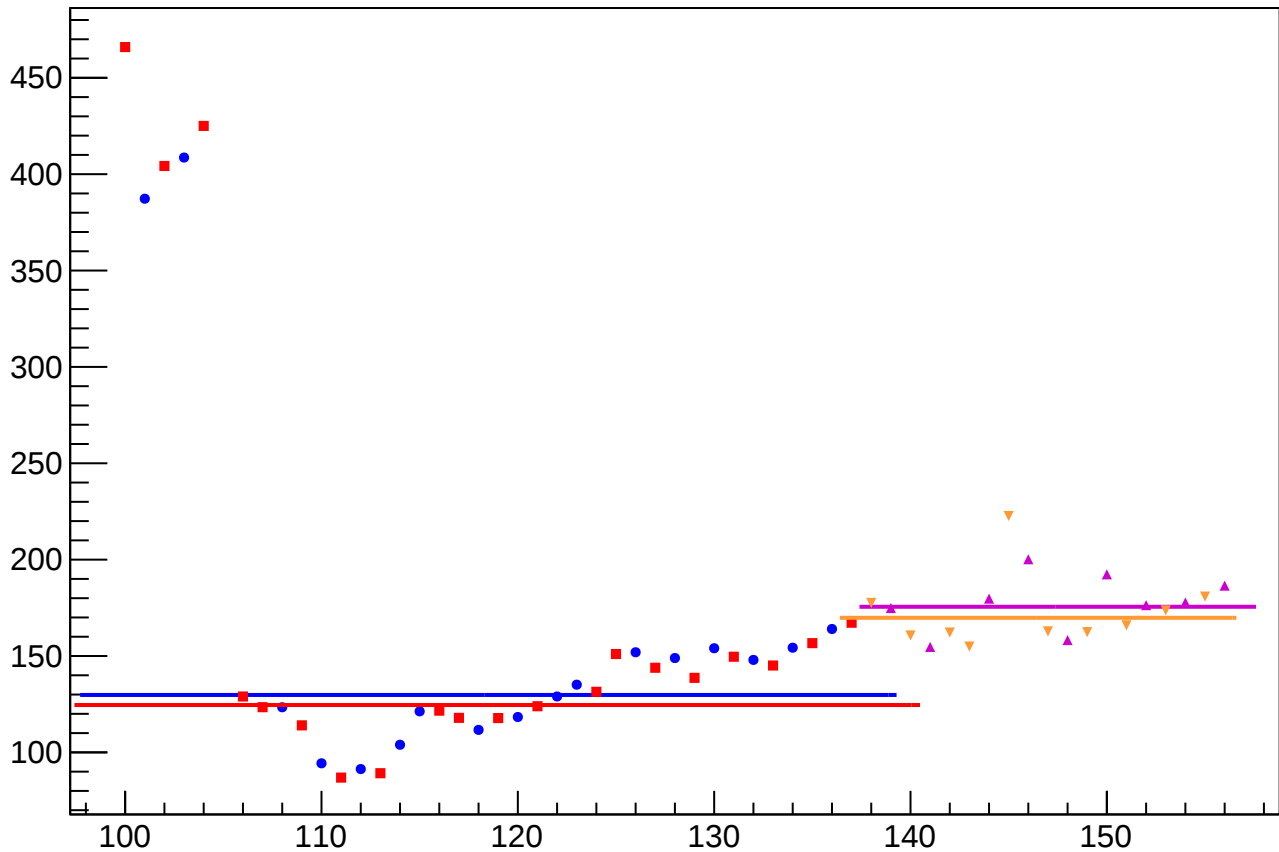
Right Out: 127923.940 $\pm$ 0.050 χ^2 /NDF: 3770107280.1/19

Left In: 129154.333 $\pm$ 0.066 χ^2 /NDF: 76862611.4/8

128514.442 $\pm$ 0.041 χ^2 /NDF: 4606950902.7/26

128378.257 $\pm$ 0.040 χ^2 /NDF: 4068932078.3/28

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 ± 0.038 χ^2/NDF : 1485294.2/16

Left Out: 169.827 ± 0.045 χ^2/NDF : 121379.6/9

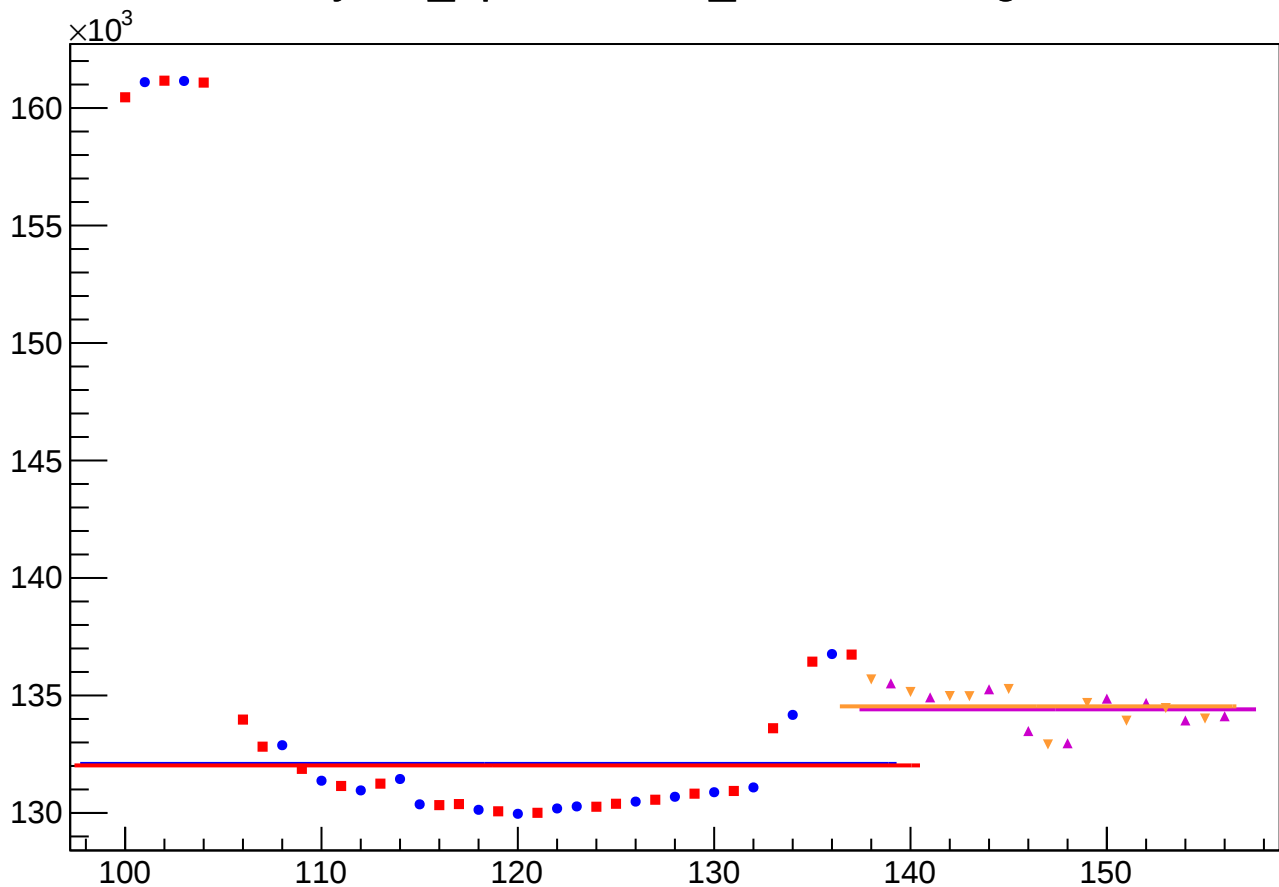
Right Out: 124.572 ± 0.035 χ^2/NDF : 1532105.0/19

Left In: 175.552 ± 0.046 χ^2/NDF : 92854.8/8

146.693 ± 0.029 χ^2/NDF : 2068478.7/26

143.396 ± 0.028 χ^2/NDF : 2387066.4/28

yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16

Left Out: 134536.333 $\pm$ 0.066 χ^2 /NDF: 140594666.5/9

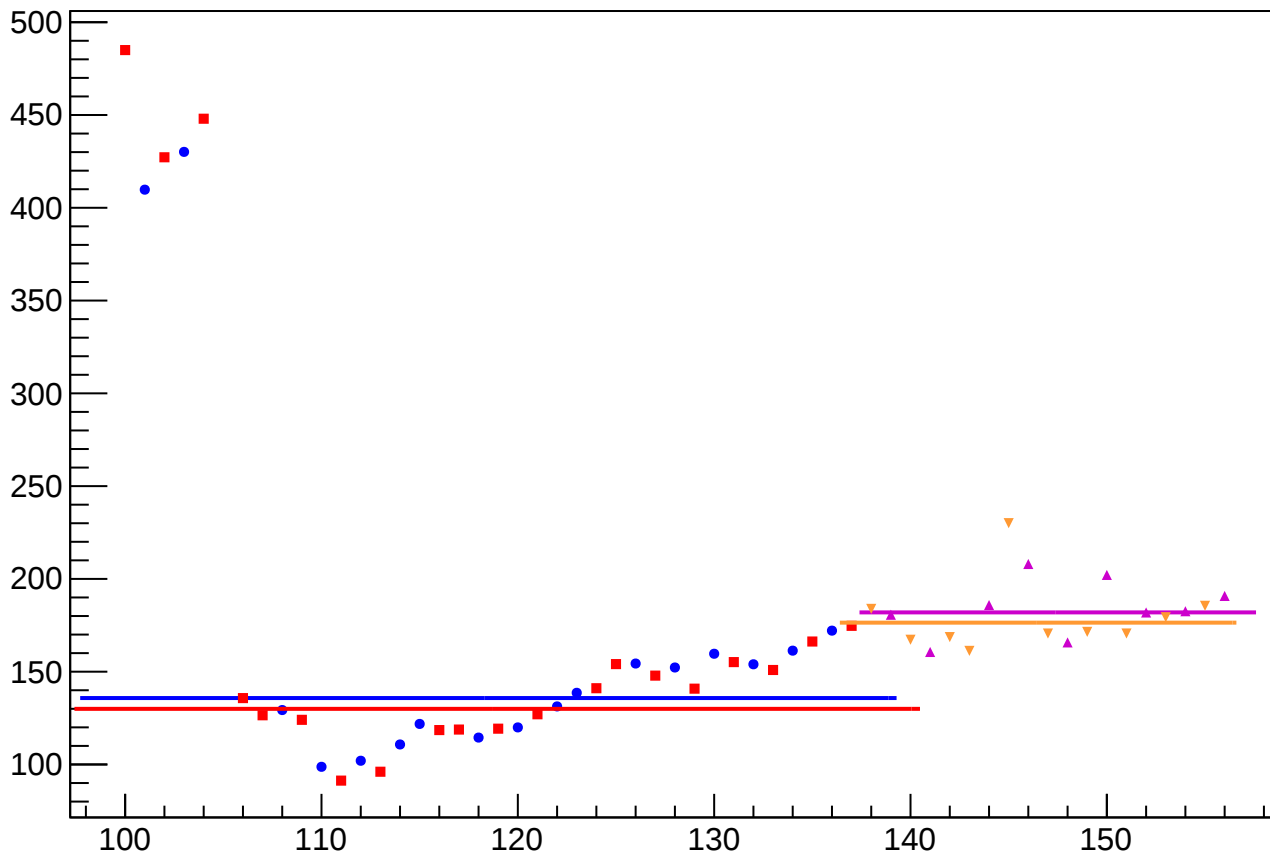
Right Out: 132023.609 $\pm$ 0.052 χ^2 /NDF: 5890492527.2/19

Left In: 134409.715 $\pm$ 0.068 χ^2 /NDF: 141419370.9/8

133127.480 $\pm$ 0.043 χ^2 /NDF: 7671672824.8/20

132910.931 $\pm$ 0.041 χ^2 /NDF: 6805703218.4/28

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 $\pm$ 0.040 χ^2 /NDF: 1441904.9/16

Left Out: 176.428 $\pm$ 0.047 χ^2 /NDF: 112722.6/9

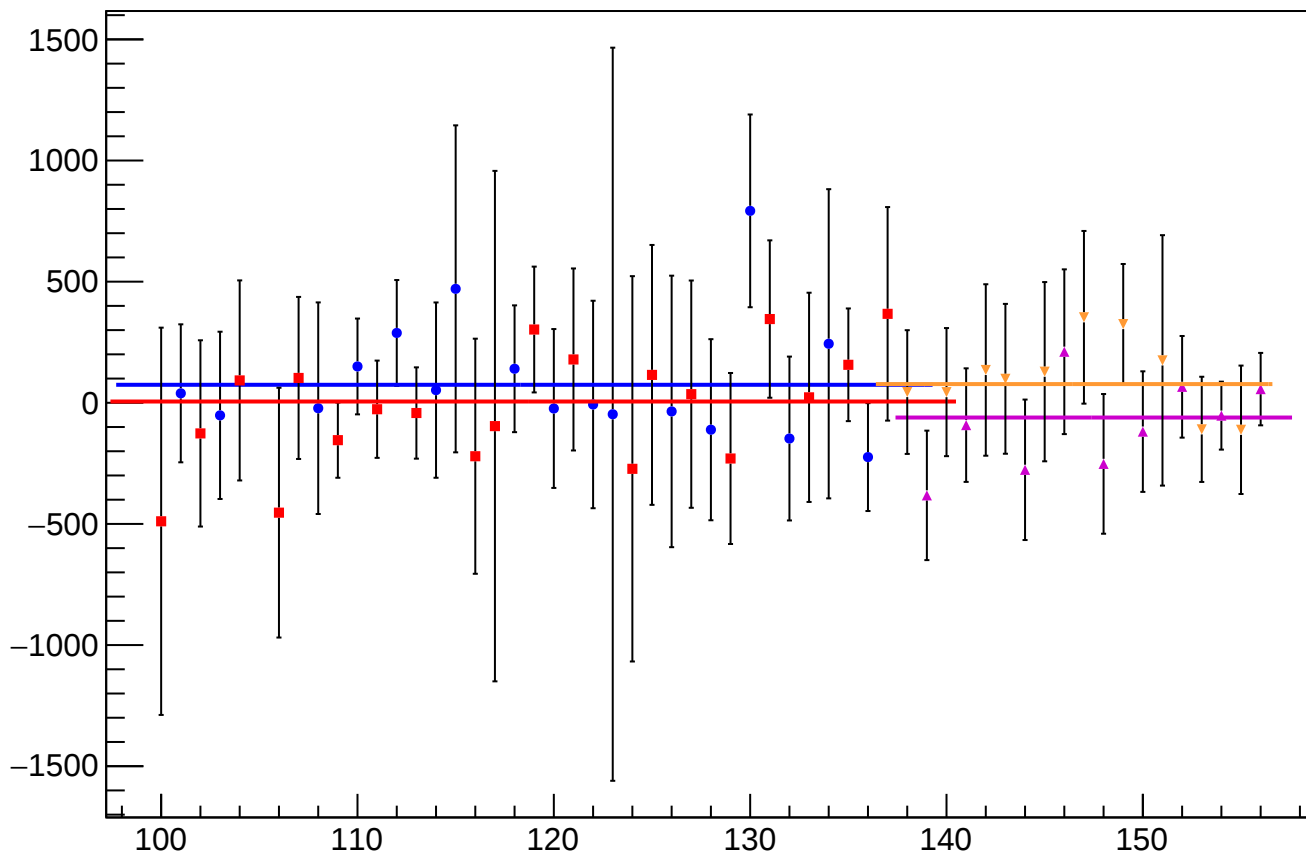
Right Out: 129.975 $\pm$ 0.037 χ^2 /NDF: 1504768.0/19

Left In: 181.953 $\pm$ 0.048 χ^2 /NDF: 90646.9/8

153.059 $\pm$ 0.030 χ^2 /NDF: 1993669.7/26

149.304 $\pm$ 0.029 χ^2 /NDF: 2329790.1/28

asym_bcm_an_ds_mean vs Slug



Right In: 74.294+/-79.018 χ^2/NDF : 7.7/16

Left Out: 77.213+/-91.781 χ^2/NDF : 3.0/9

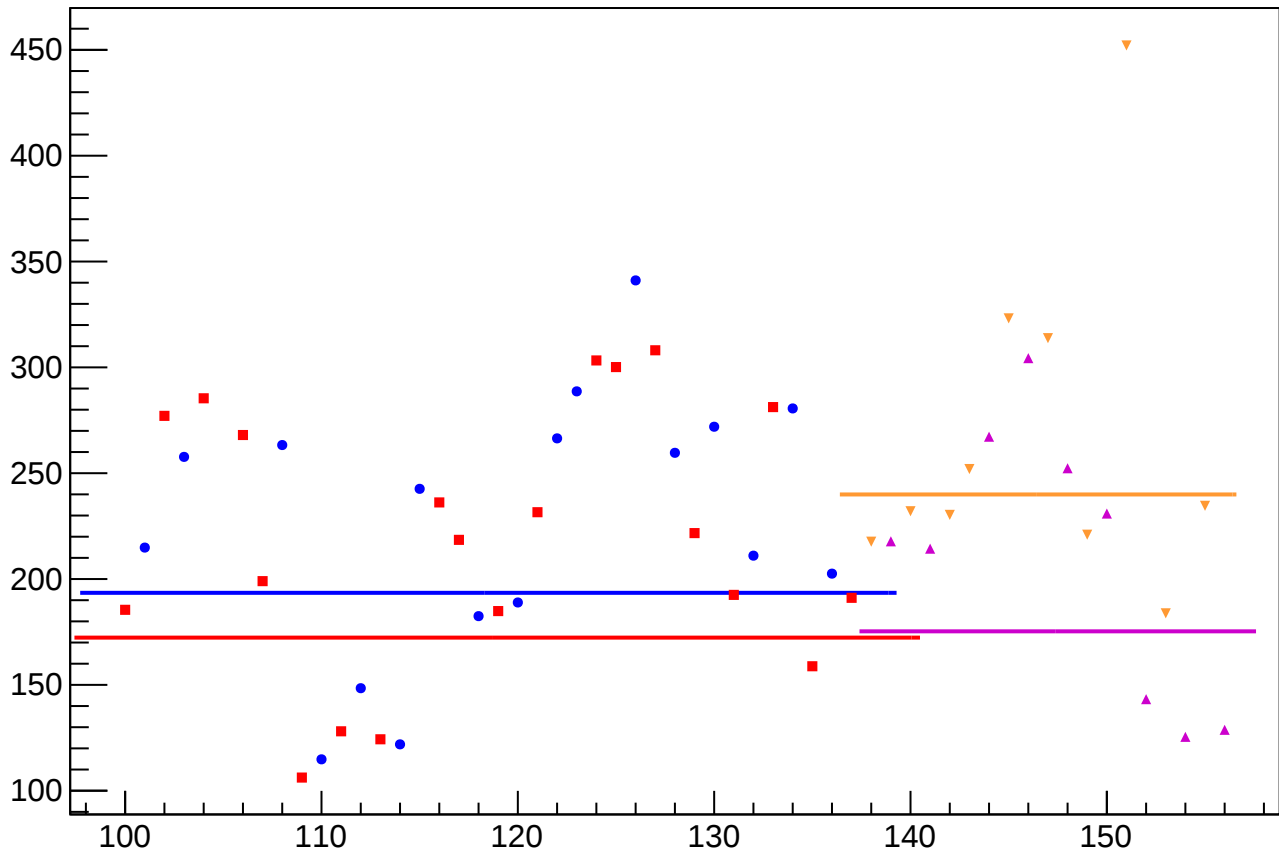
Right Out: 5.290+/-69.914 χ^2/NDF : 7.1/19

Left In: -60.848+/-70.844 χ^2/NDF : 4.1/8

75.536+/-59.883 χ^2/NDF : 10.6/26

-27.342+/-49.762 χ^2/NDF : 11.7/28

asym_bcm_an_ds_rms vs Slug



Right In: 193.488+/-0.056 χ^2/NDF : 1017195.7/16

Left Out: 239.959+/-0.065 χ^2/NDF :691886.2/9

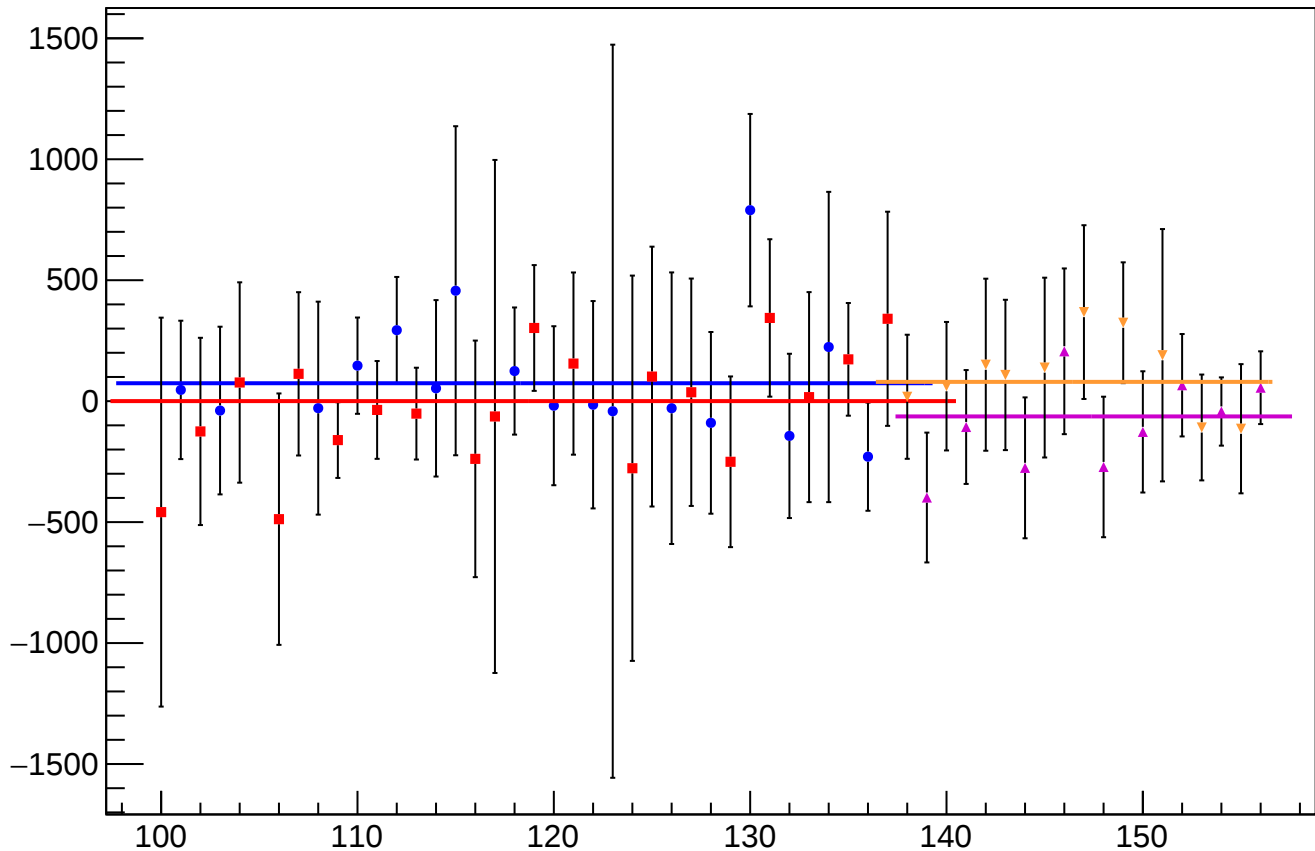
213.270+/-0.042 χ^2/NDF : 2003541.4/26

Right Out: 172.327+/-0.049 χ^2/NDF : 1583701.4/19

173.789+/-0.035 χ^2/NDF : 2916835.4/28

Left In: 175.291+/-0.050 χ^2/NDF :1331359.5/8

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098 ± 79.404 χ^2/NDF : 7.6/16

Left Out: 79.749 ± 92.344 χ^2/NDF : 3.1/9

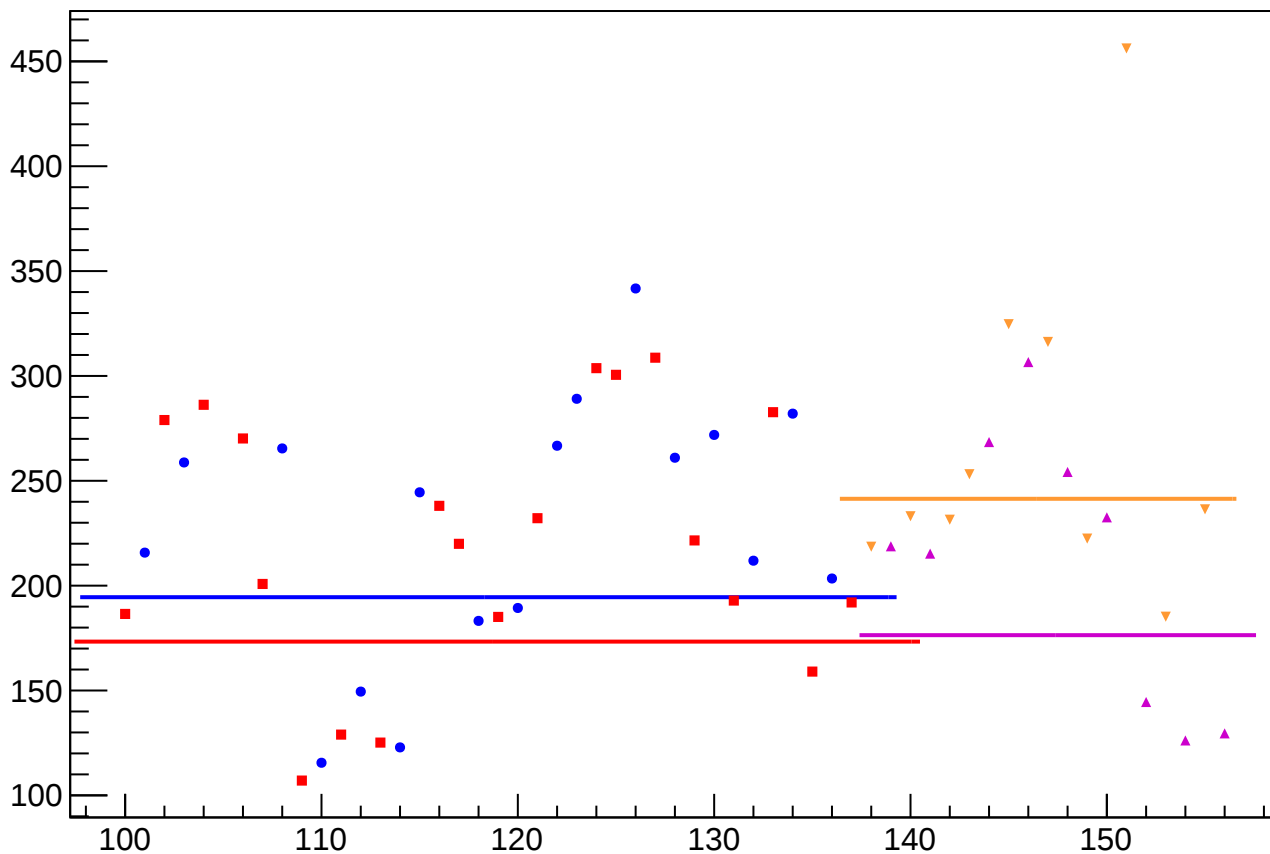
Right Out: 0.223 ± 70.282 χ^2/NDF : 7.3/19

Left In: -63.096 ± 71.288 χ^2/NDF : 4.3/8

76.500 ± 60.207 χ^2/NDF : 10.6/26

-30.987 ± 50.049 χ^2/NDF : 12.1/28

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496+/-0.056 χ^2/NDF : 1008514.7/16

Left Out: 241.416+/-0.065 χ^2/NDF :692819.1/9

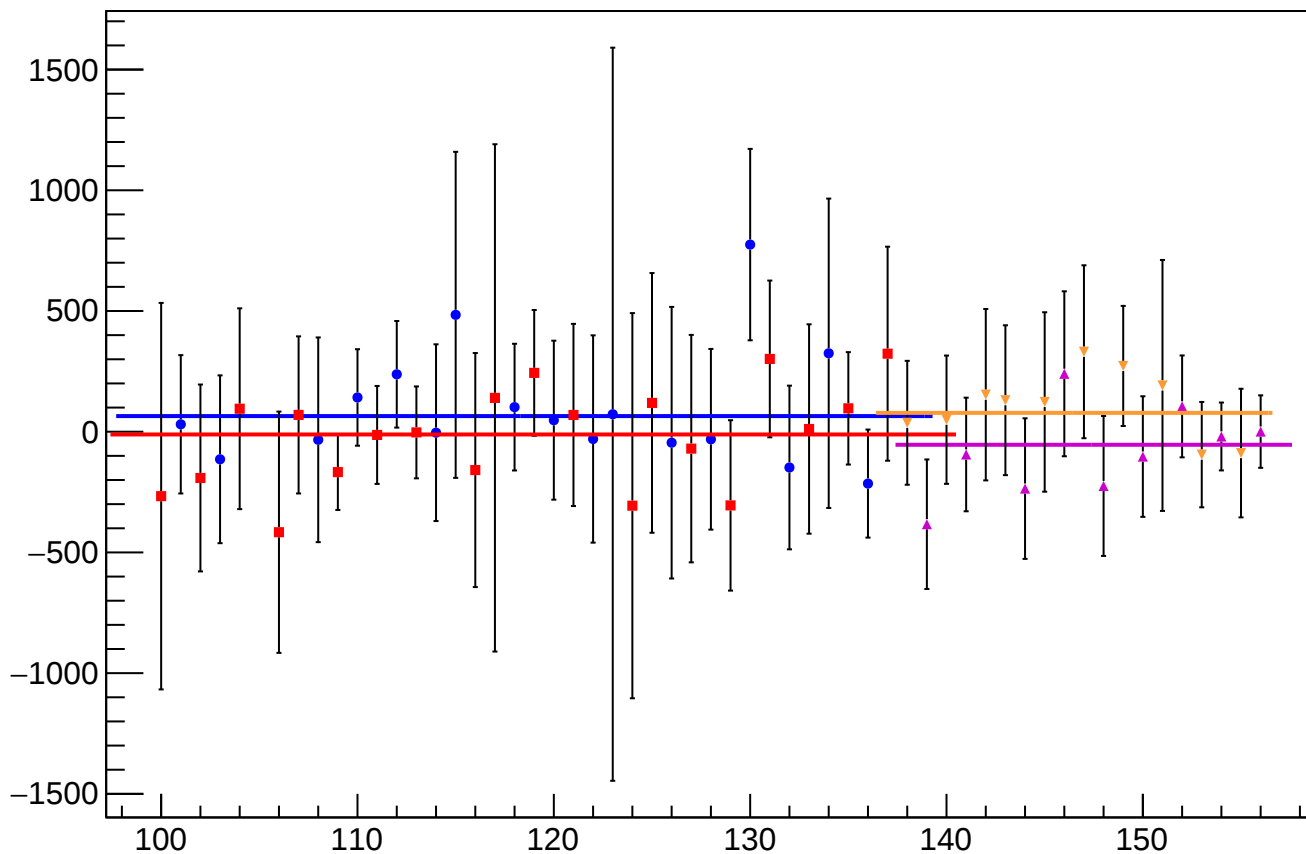
Right Out: 173.317+/-0.050 χ^2/NDF : 1571258.4/19

Left In: 176.389+/-0.050 χ^2/NDF :1330016.2/8

214.441+/-0.043 χ^2/NDF : 1998181.9/26

174.831+/-0.035 χ^2/NDF : 2903157.7/28

asym_bcm_an_us_mean vs Slug



Right In: 64.733 ± 79.399 χ^2/NDF : 7.0/16

Left Out: 78.052 ± 92.187 χ^2/NDF : 2.3/9

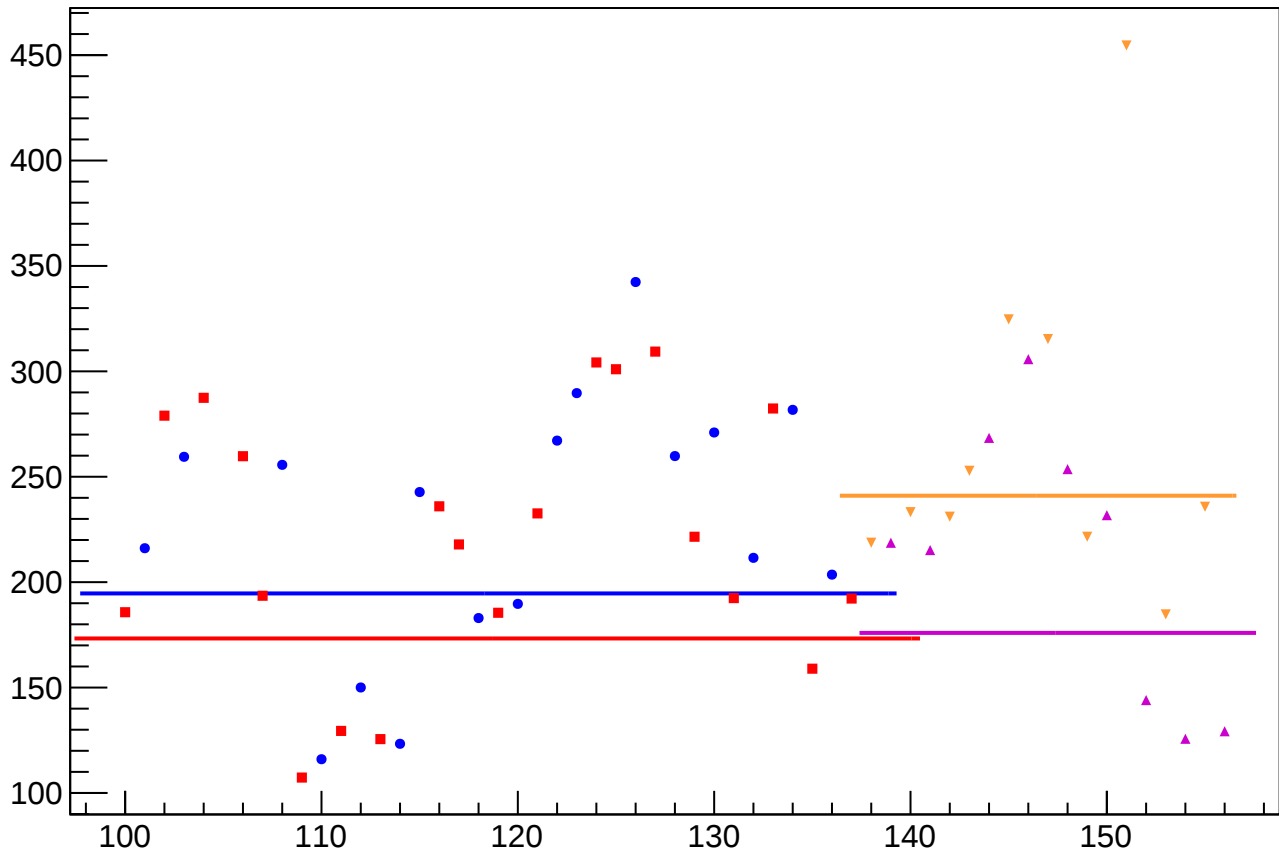
Right Out: -11.414 ± 70.204 χ^2/NDF : 5.8/19

Left In: -54.088 ± 71.115 χ^2/NDF : 3.8/8

70.405 ± 60.161 χ^2/NDF : 9.3/26

-32.476 ± 49.961 χ^2/NDF : 9.8/28

asym_bcm_an_us_rms vs Slug



Right In: 194.652+/-0.056 χ^2/NDF : 986798.9/16

Left Out: 241.011+/-0.065 χ^2/NDF : 692685.4/9

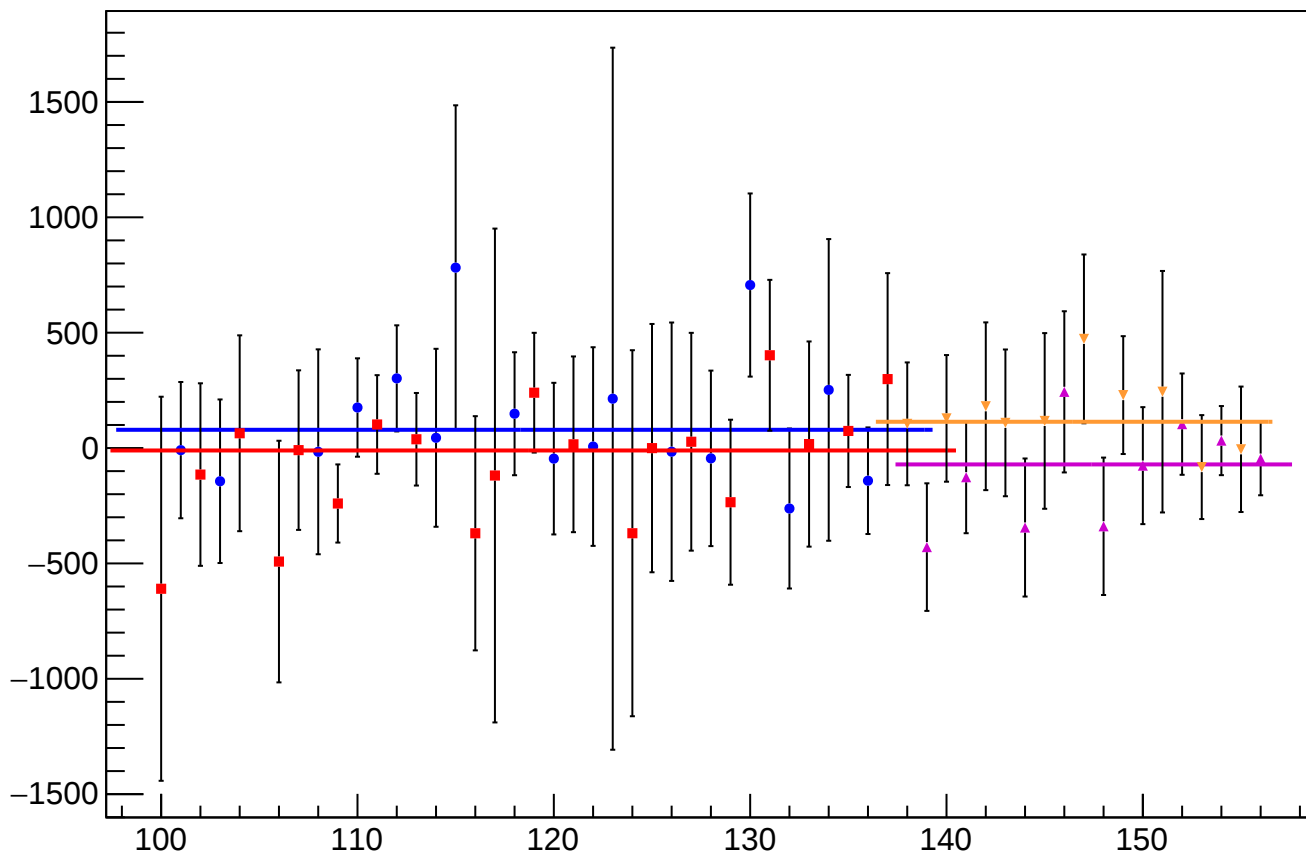
Right Out: 173.289+/-0.050 χ^2/NDF : 1548162.6/19

Left In: 175.927+/-0.050 χ^2/NDF : 1335376.7/8

214.395+/-0.043 χ^2/NDF : 1969863.4/26

174.591+/-0.035 χ^2/NDF : 2884933.0/28

asym_bcm_dg_us_mean vs Slug



Right In: 79.128+/-81.874 χ^2/NDF : 7.5/16

Left Out: 113.922+/-94.727 χ^2/NDF : 2.2/9

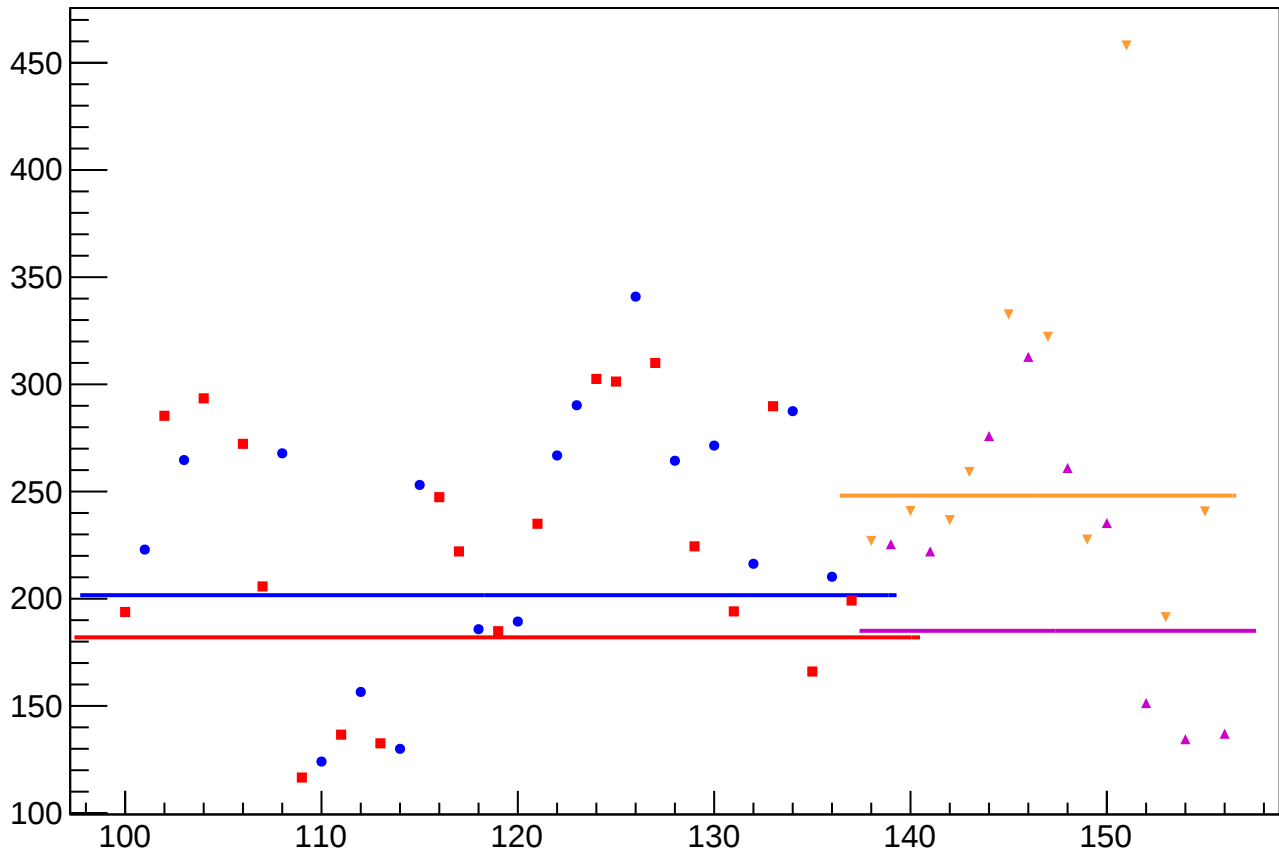
Right Out: -10.491+/-73.139 χ^2/NDF : 7.9/19

Left In: -70.912+/-74.265 χ^2/NDF : 5.3/8

94.006+/-61.944 χ^2/NDF : 9.8/26

-40.240+/-52.110 χ^2/NDF : 13.5/28

asym_bcm_dg_us_rms vs Slug



Right In: 201.654+/-0.058 χ^2/NDF : 883179.7/16

Left Out: 248.104+/-0.067 χ^2/NDF : 662180.0/9

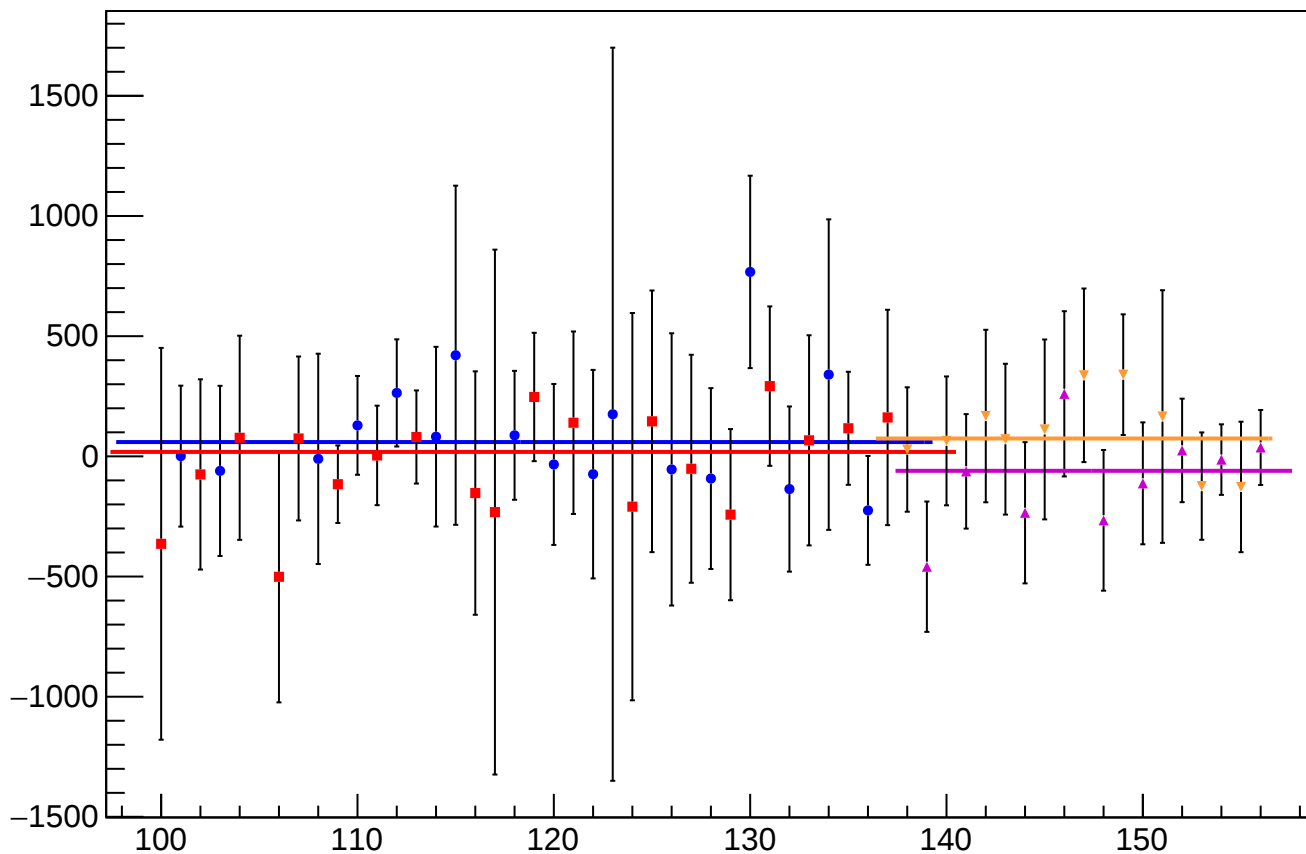
221.516+/-0.044 χ^2/NDF : 1820614.1/26

Right Out: 181.986+/-0.052 χ^2/NDF : 1380269.0/19

183.486+/-0.037 χ^2/NDF : 2590185.9/28

Left In: 185.032+/-0.053 χ^2/NDF : 1208208.0/8

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496+/-80.808 χ^2/NDF : 7.0/16

Left Out: 74.309+/-93.380 χ^2/NDF : 3.1/9

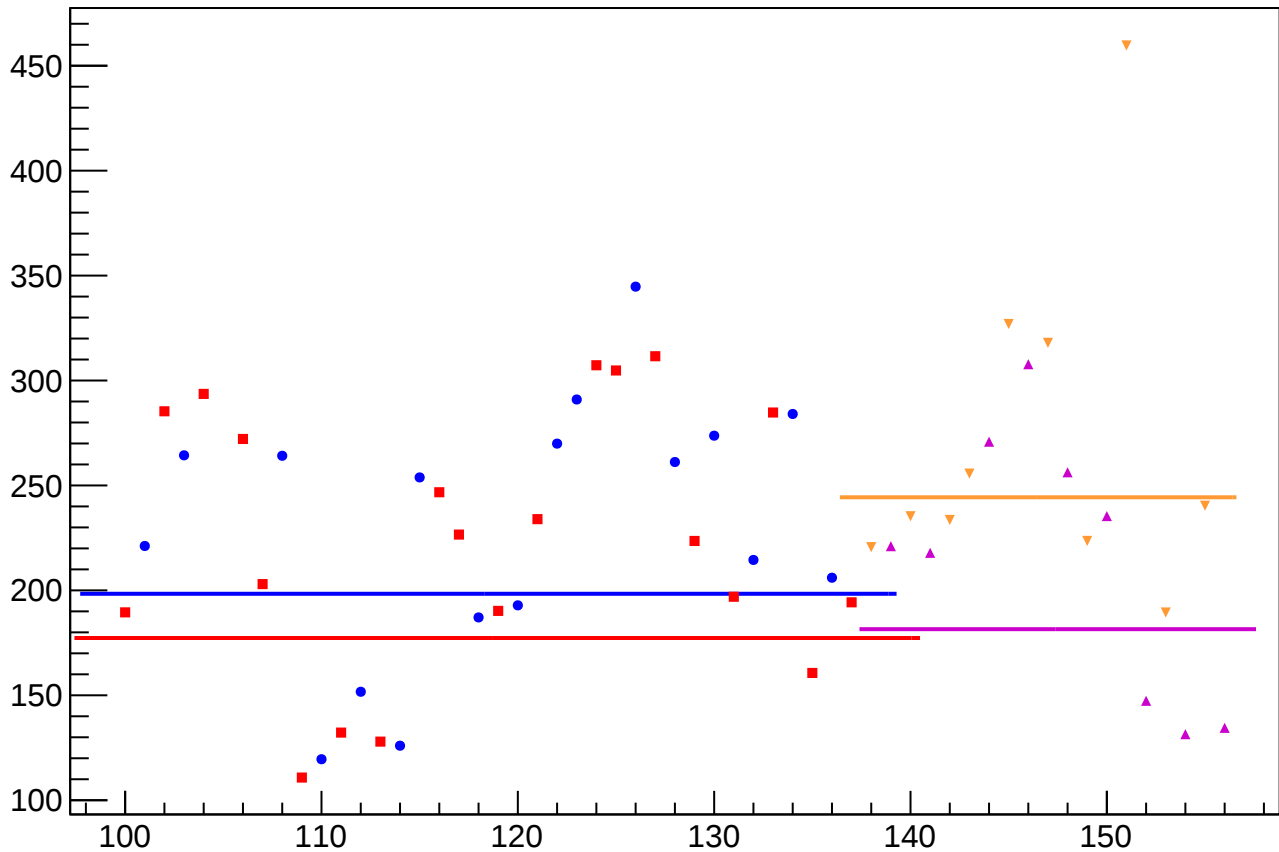
Right Out: 18.457+/-71.711 χ^2/NDF : 4.8/19

Left In: -60.147+/-73.006 χ^2/NDF : 4.6/8

65.839+/-61.105 χ^2/NDF : 10.2/26

-20.142+/-51.159 χ^2/NDF : 9.9/28

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378+/-0.057 χ^2/NDF : 963672.6/16

Left Out: 244.358+/-0.066 χ^2/NDF : 674677.6/9

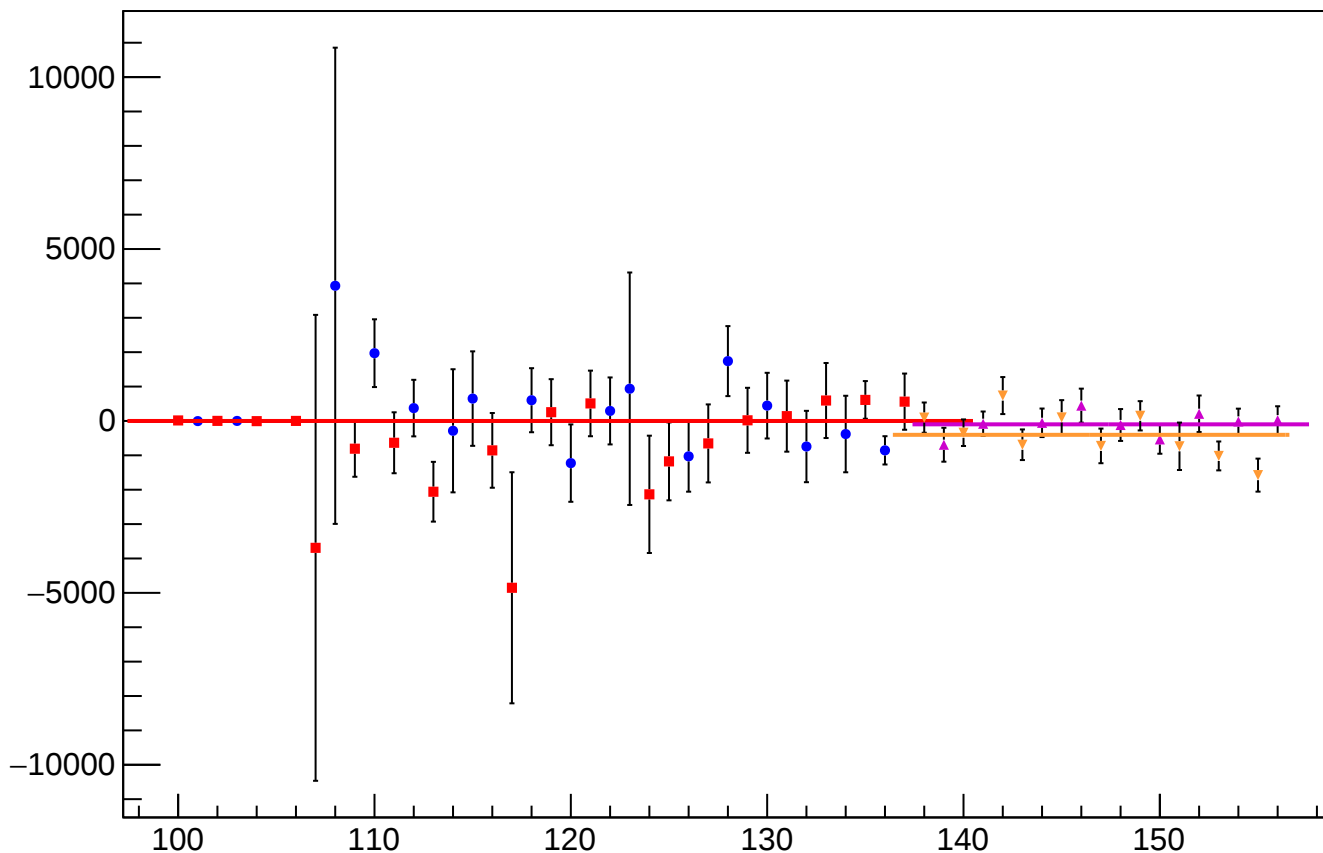
218.067+/-0.043 χ^2/NDF : 1915615.2/26

Right Out: 177.309+/-0.051 χ^2/NDF : 1528855.2/19

179.373+/-0.036 χ^2/NDF : 2761484.1/28

Left In: 181.512+/-0.052 χ^2/NDF : 1229255.4/8

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -403.654 ± 147.643 χ^2/NDF : 17.7/9

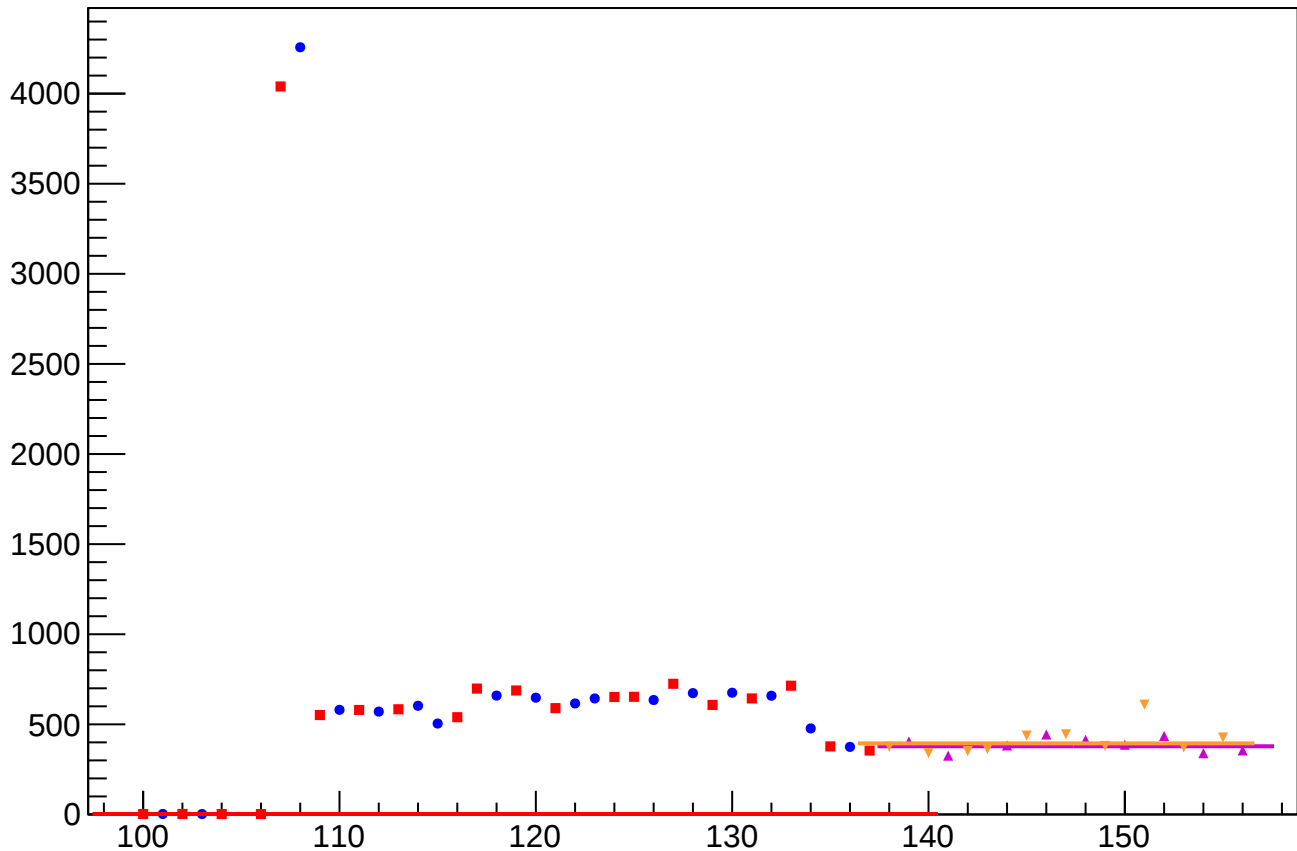
Right Out: -0.728 ± 2.111 χ^2/NDF : 21.4/19

Left In: -98.649 ± 142.648 χ^2/NDF : 4.2/8

-1.623 ± 2.251 χ^2/NDF : 42.0/26

-0.750 ± 2.111 χ^2/NDF : 26.1/28

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 394.318+/-0.104 χ^2/NDF : 310184.5/9

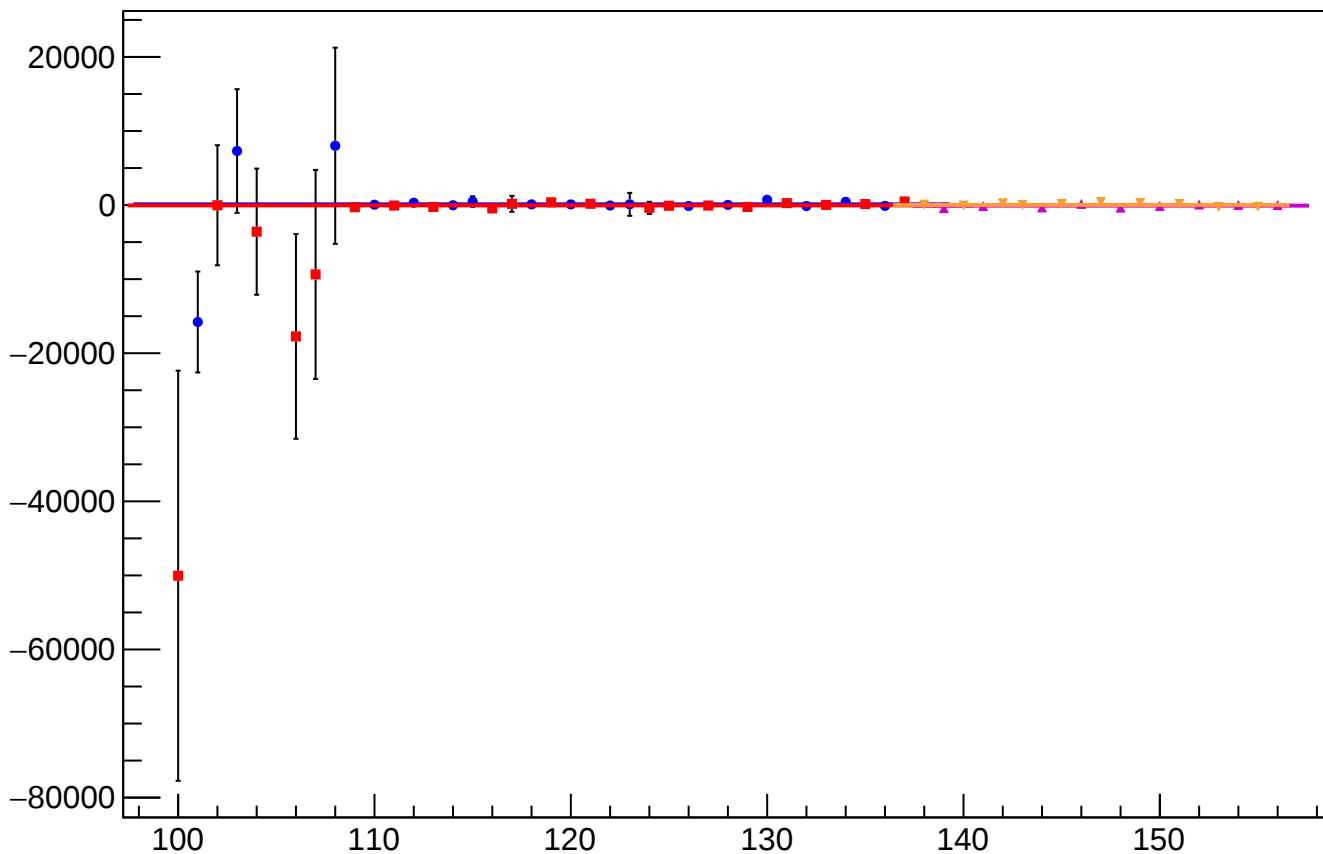
Right Out: 2.437+/-0.001 χ^2/NDF : 11233207.9/19

Left In: 378.316+/-0.101 χ^2/NDF : 147690.5/8

2.548+/-0.002 χ^2/NDF : 25243355.7/26

2.519+/-0.001 χ^2/NDF : 25264364.9/28

asym_cav4cQ_mean vs Slug



Right In: 98.643 ± 90.860 χ^2/NDF : 11.9/16

Left Out: 22.262 ± 99.214 χ^2/NDF : 4.3/9

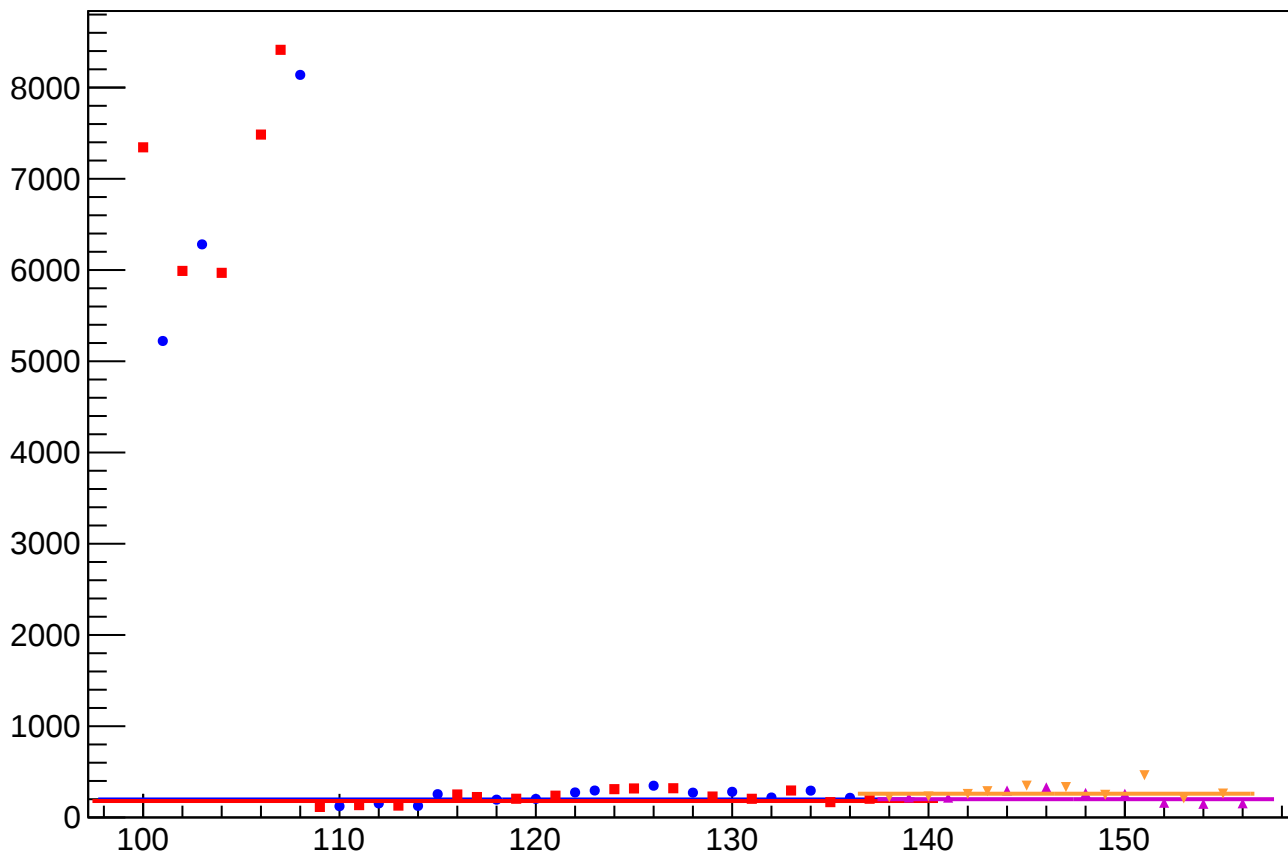
Right Out: -41.024 ± 84.237 χ^2/NDF : 13.9/19

Left In: -73.088 ± 79.566 χ^2/NDF : 4.4/8

63.803 ± 67.007 χ^2/NDF : 16.5/26

-57.970 ± 57.843 χ^2/NDF : 18.4/28

asym_cav4cQ_rms vs Slug



Right In: 197.086+/-0.064 χ^2/NDF : 3693614.0/16

Left Out: 260.191+/-0.070 χ^2/NDF : 642796.7/9

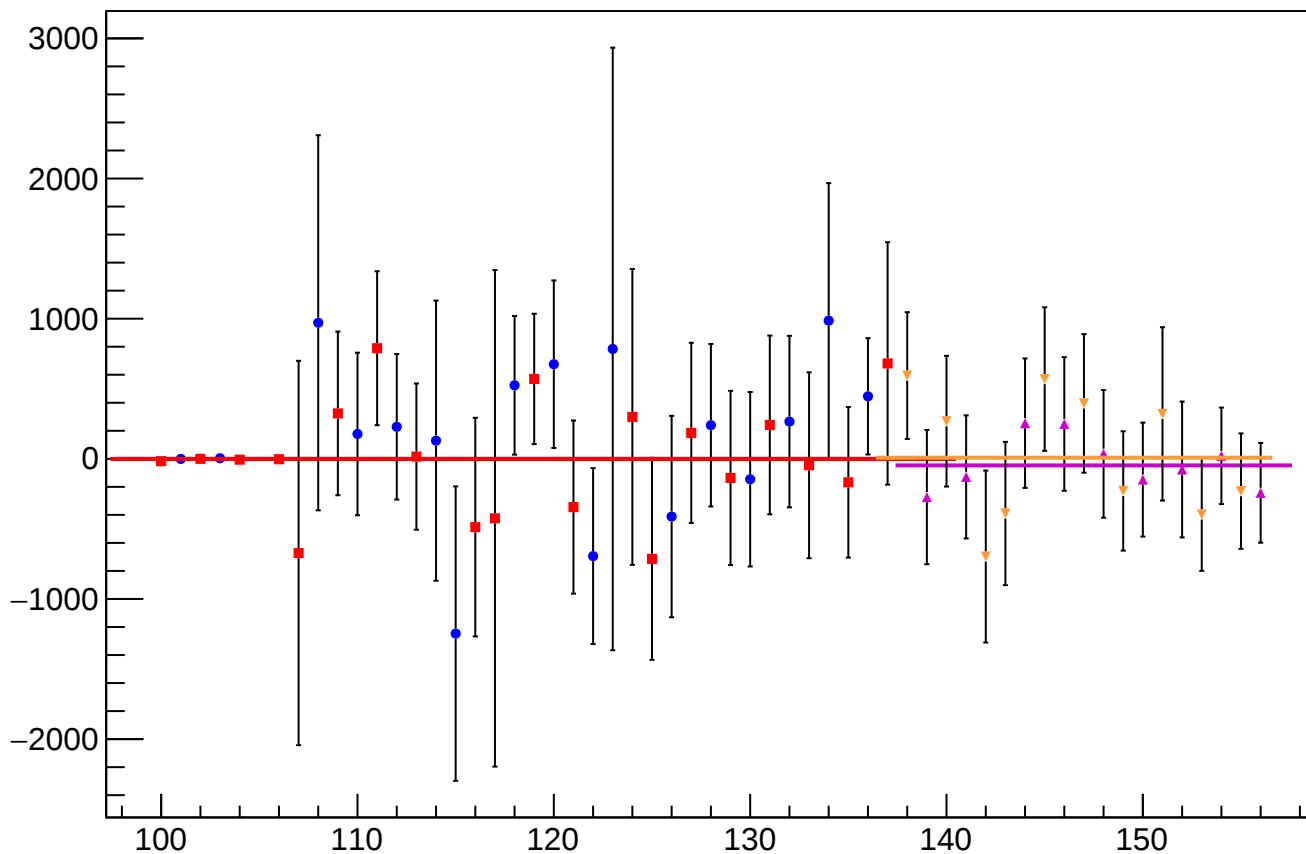
Right Out: 180.217+/-0.060 χ^2/NDF : 4324457.3/19

Left In: 200.151+/-0.056 χ^2/NDF : 1005341.9/8

225.870+/-0.047 χ^2/NDF : 4776461.4/26

190.752+/-0.041 χ^2/NDF : 5388986.4/28

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: 7.837 ± 150.667 χ^2/NDF : 7.6/9

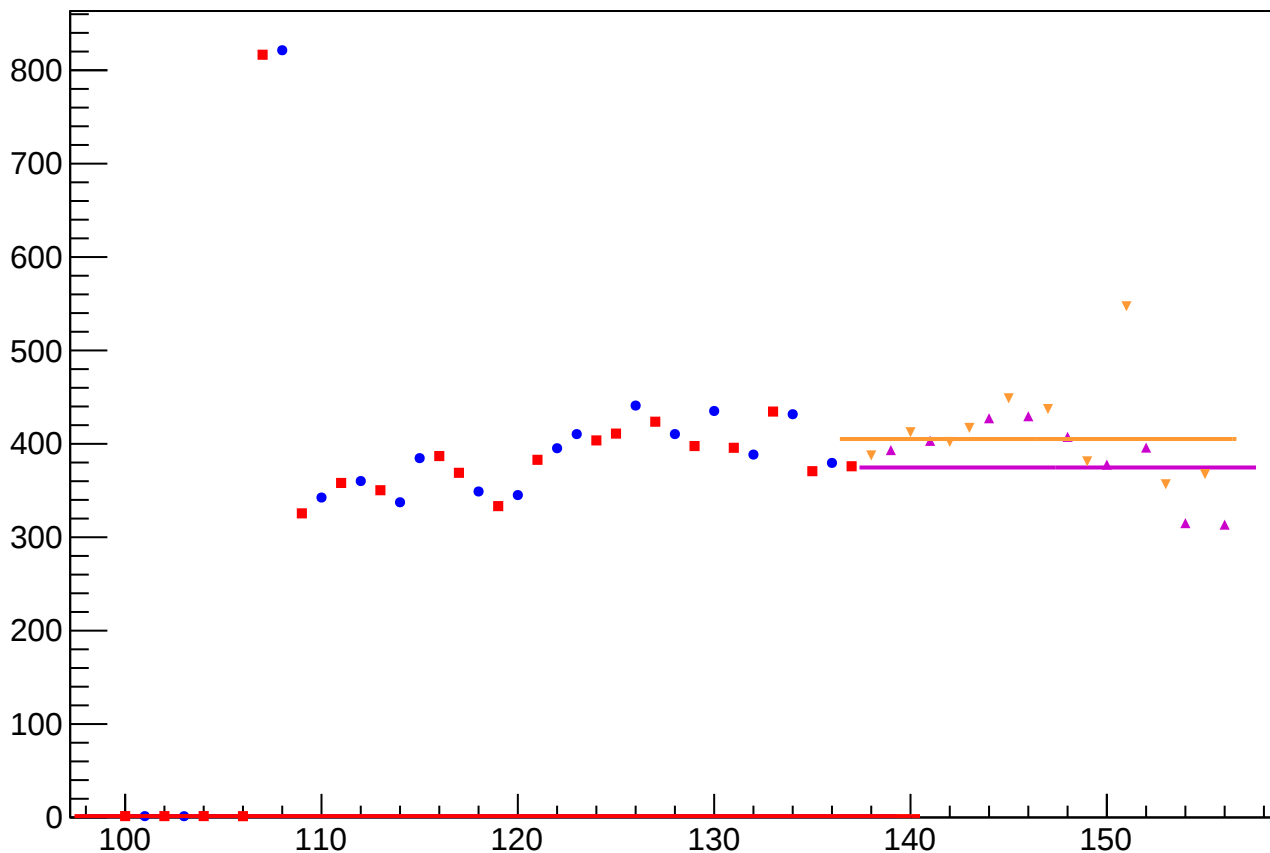
Right Out: -1.324 ± 1.623 χ^2/NDF : 9.7/19

Left In: -47.001 ± 141.307 χ^2/NDF : 1.5/8

-0.137 ± 1.736 χ^2/NDF : 17.4/26

-1.330 ± 1.622 χ^2/NDF : 11.3/28

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 405.183+/-0.107 χ^2/NDF :185122.6/9

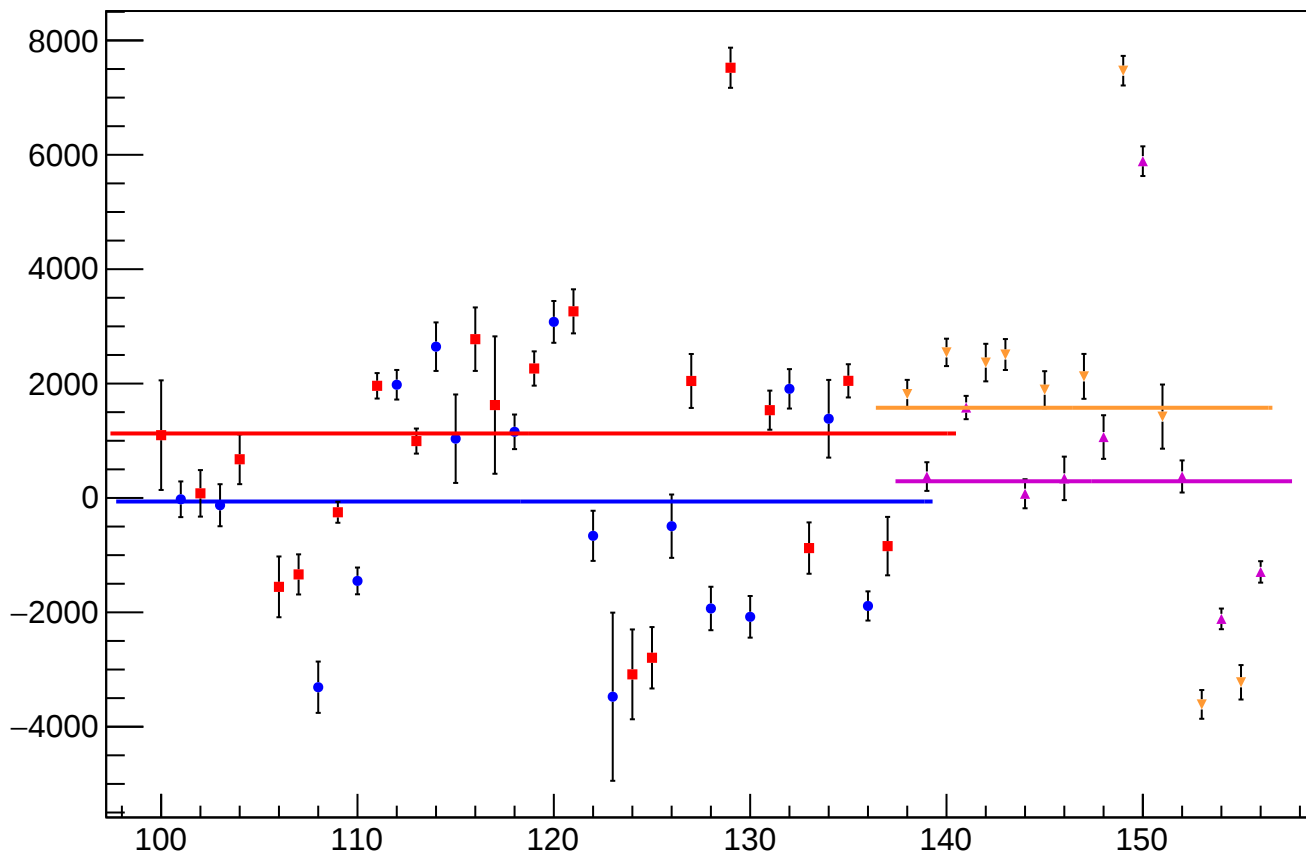
Right Out: 1.451+/-0.001 χ^2/NDF : 10966832.6/19

Left In: 374.689+/-0.100 χ^2/NDF :197297.3/8

1.506+/-0.001 χ^2/NDF : 25501947.1/26

1.501+/-0.001 χ^2/NDF : 25115606.0/28

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 $\chi^2/\text{NDF}: 433.9/16$

Left Out: 1577.034 ± 92.210 $\chi^2/\text{NDF}: 1236.2/9$

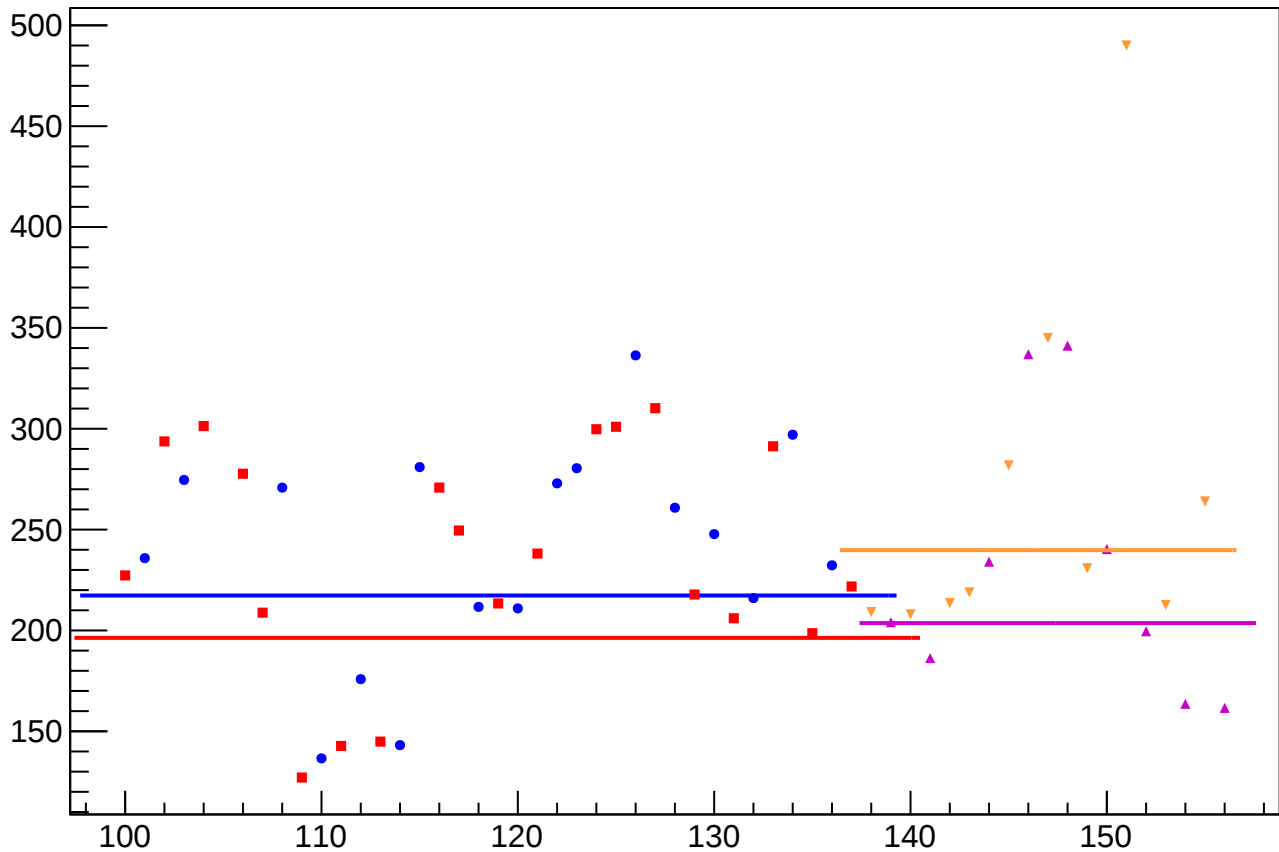
Right Out: 1127.552 ± 78.203 $\chi^2/\text{NDF}: 671.4/19$

Left In: 291.949 ± 80.074 $\chi^2/\text{NDF}: 759.3/8$

713.794 ± 63.442 $\chi^2/\text{NDF}: 1836.6/26$

719.624 ± 55.948 $\chi^2/\text{NDF}: 1486.5/28$

asym_bcm0l02_rms vs Slug



Right In: 217.330+/-0.062 χ^2/NDF : 652722.5/16

Left Out: 239.814+/-0.065 χ^2/NDF : 704484.9/9

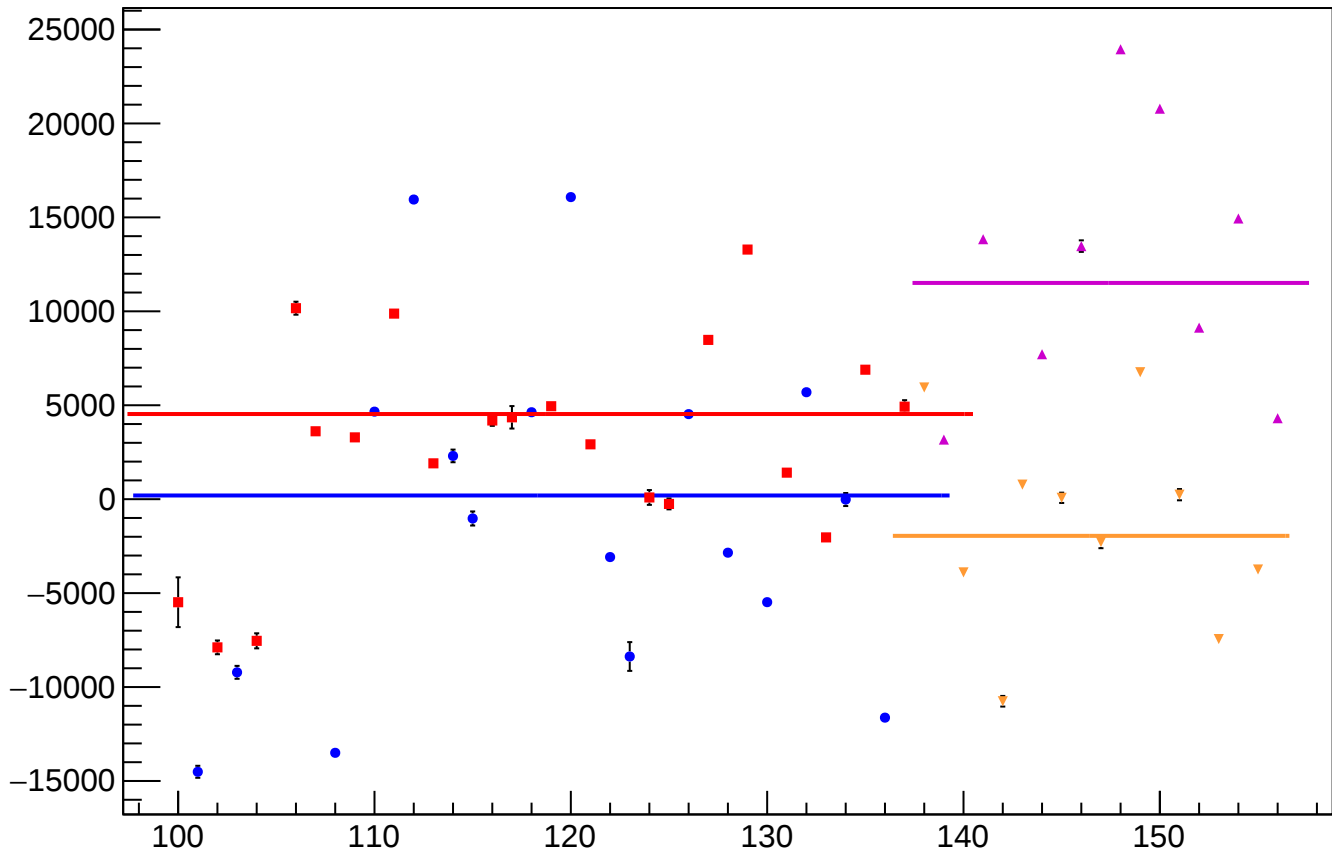
Right Out: 196.332+/-0.055 χ^2/NDF : 1194678.0/19

Left In: 203.655+/-0.057 χ^2/NDF : 788297.0/8

227.973+/-0.045 χ^2/NDF : 1419827.2/26

199.907+/-0.040 χ^2/NDF : 1991536.2/28

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 $\pm$ 54.799 χ^2/NDF : 30658.3/16

Left Out: -1951.739 $\pm$ 68.145 χ^2/NDF : 5892.2/9

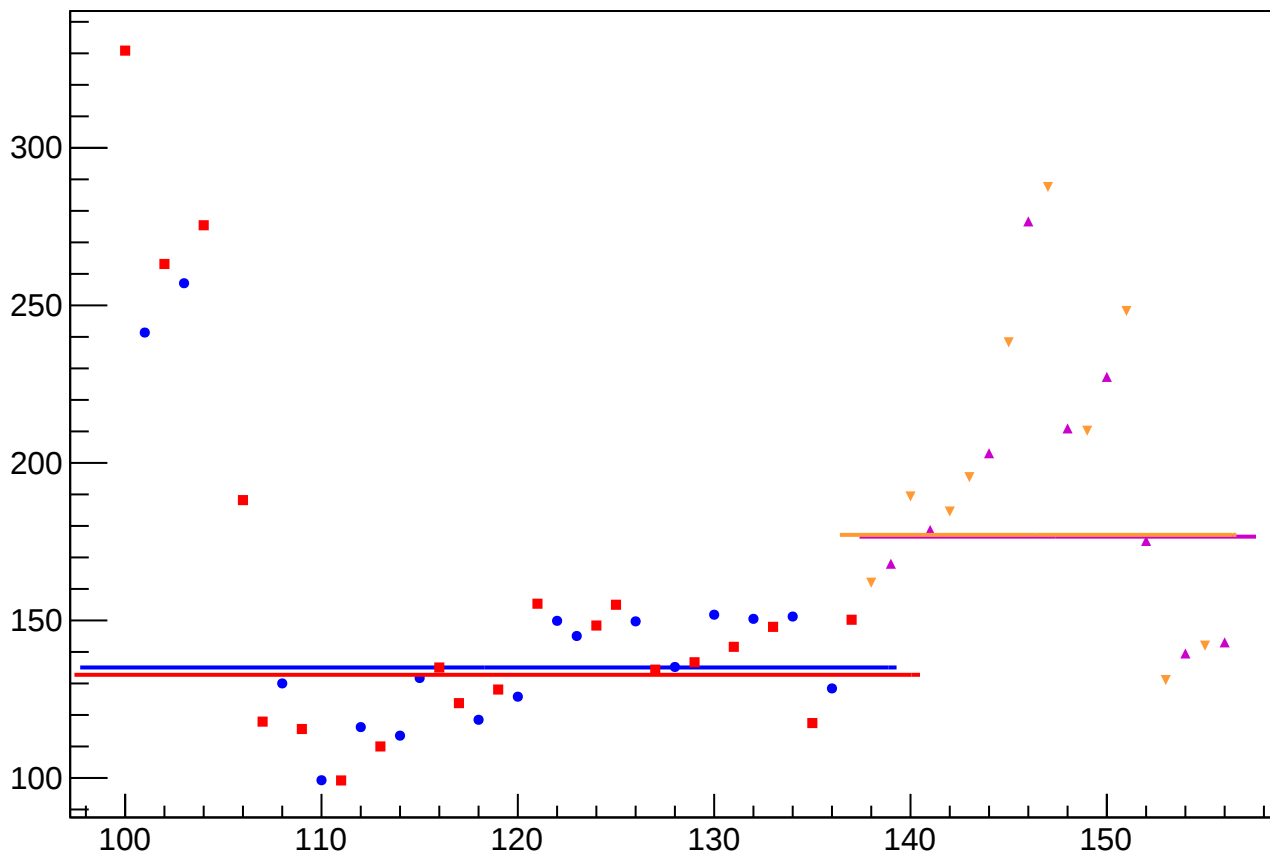
Right Out: 4532.856 $\pm$ 52.261 χ^2/NDF : 7477.3/19

Left In: 11511.073 $\pm$ 68.481 χ^2/NDF : 8711.5/8

-646.812 $\pm$ 42.704 χ^2/NDF : 37154.3/26

7101.165 $\pm$ 41.545 χ^2/NDF : 22750.8/28

asym_bpm0i02WS_rms vs Slug



Right In: 135.072+/-0.039 χ^2/NDF : 658703.5/16

Left Out: 177.165+/-0.048 χ^2/NDF : 802890.2/9

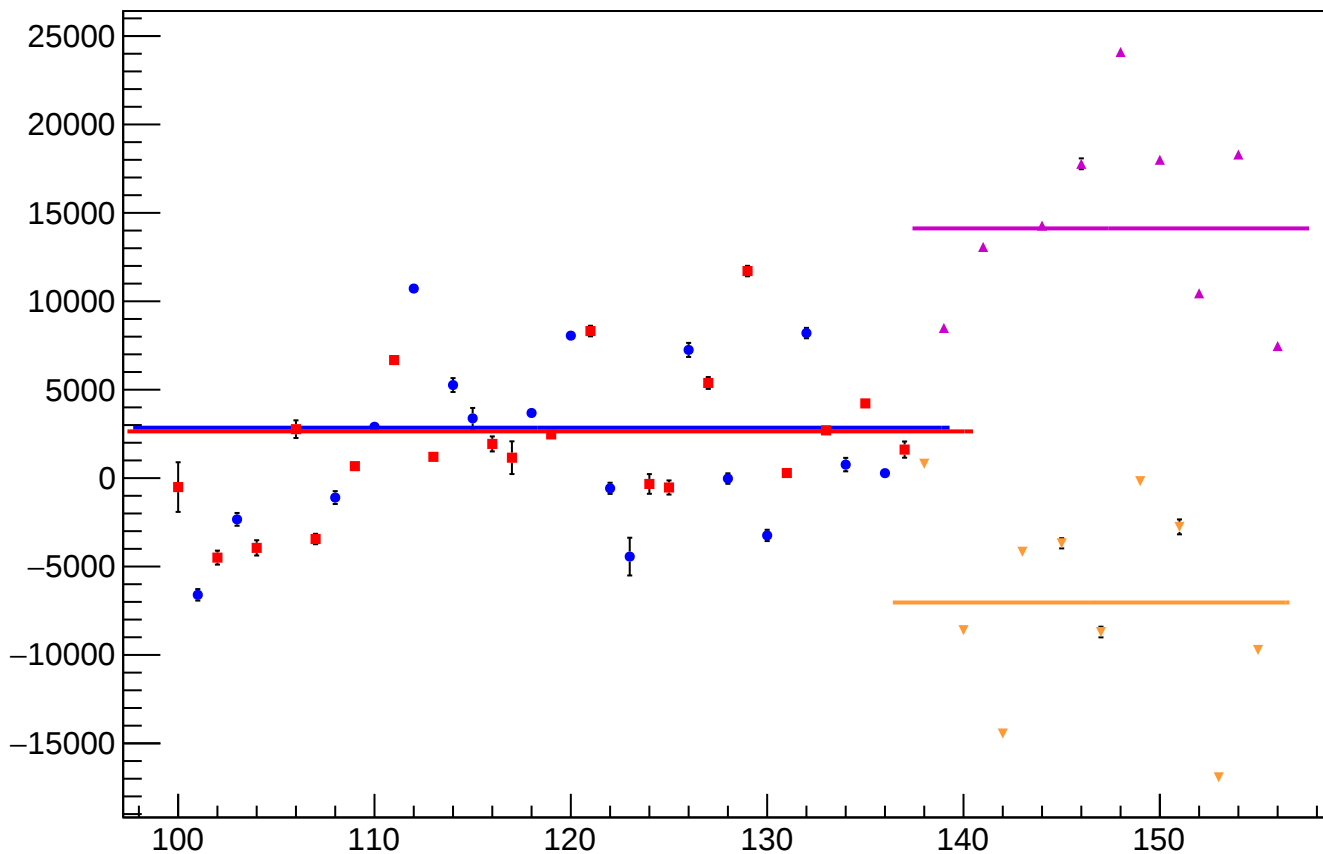
Right Out: 132.747+/-0.037 χ^2/NDF : 831647.2/19

Left In: 176.599+/-0.048 χ^2/NDF : 572586.4/8

151.602+/-0.030 χ^2/NDF : 1925015.0/26

148.887+/-0.029 χ^2/NDF : 1922508.6/28

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -7033.880+/-76.726 χ^2/NDF :6286.1/9

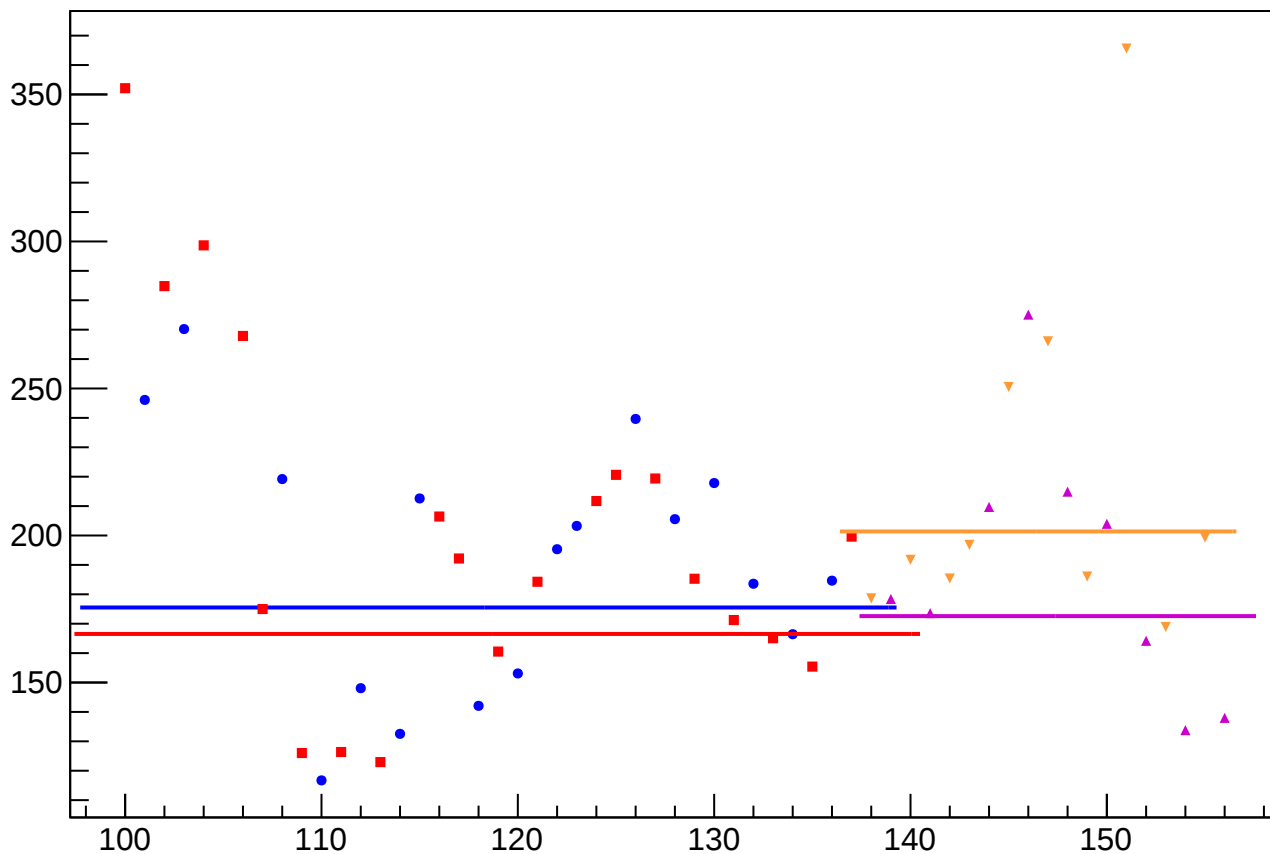
Right Out: 2641.642+/-65.566 χ^2/NDF : 3178.3/19

Left In: 14121.080+/-67.279 χ^2/NDF :5628.1/8

-1691.532+/-52.014 χ^2/NDF : 19435.1/26

8233.361+/-46.956 χ^2/NDF : 23738.3/28

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514+/-0.050 χ^2/NDF : 689642.3/16

Left Out: 201.372+/-0.054 χ^2/NDF : 552342.0/9

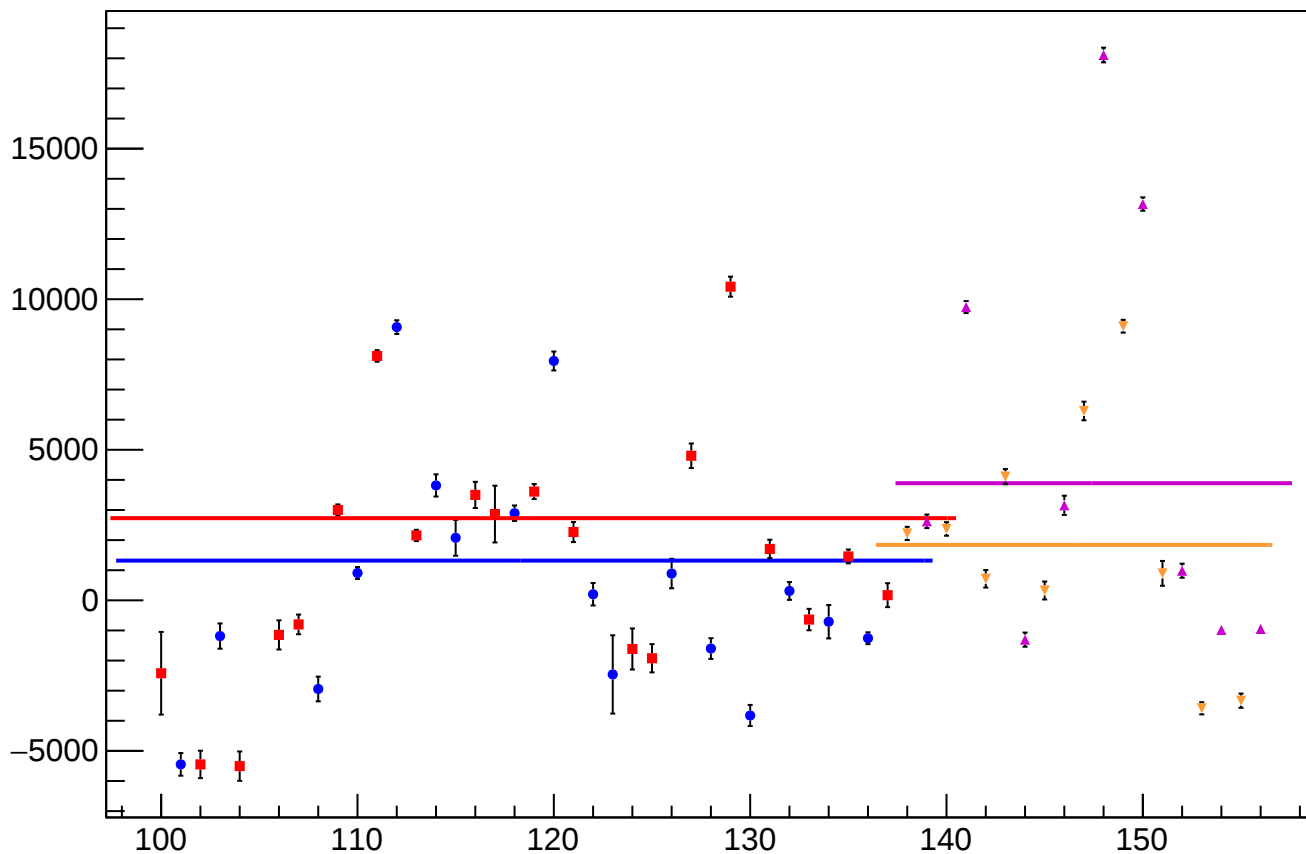
Right Out: 166.522+/-0.046 χ^2/NDF : 931079.9/19

Left In: 172.584+/-0.048 χ^2/NDF : 614224.9/8

187.398+/-0.037 χ^2/NDF : 1364751.5/26

169.475+/-0.033 χ^2/NDF : 1553631.3/28

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1840.779+/-79.158 χ^2/NDF : 2699.1/9

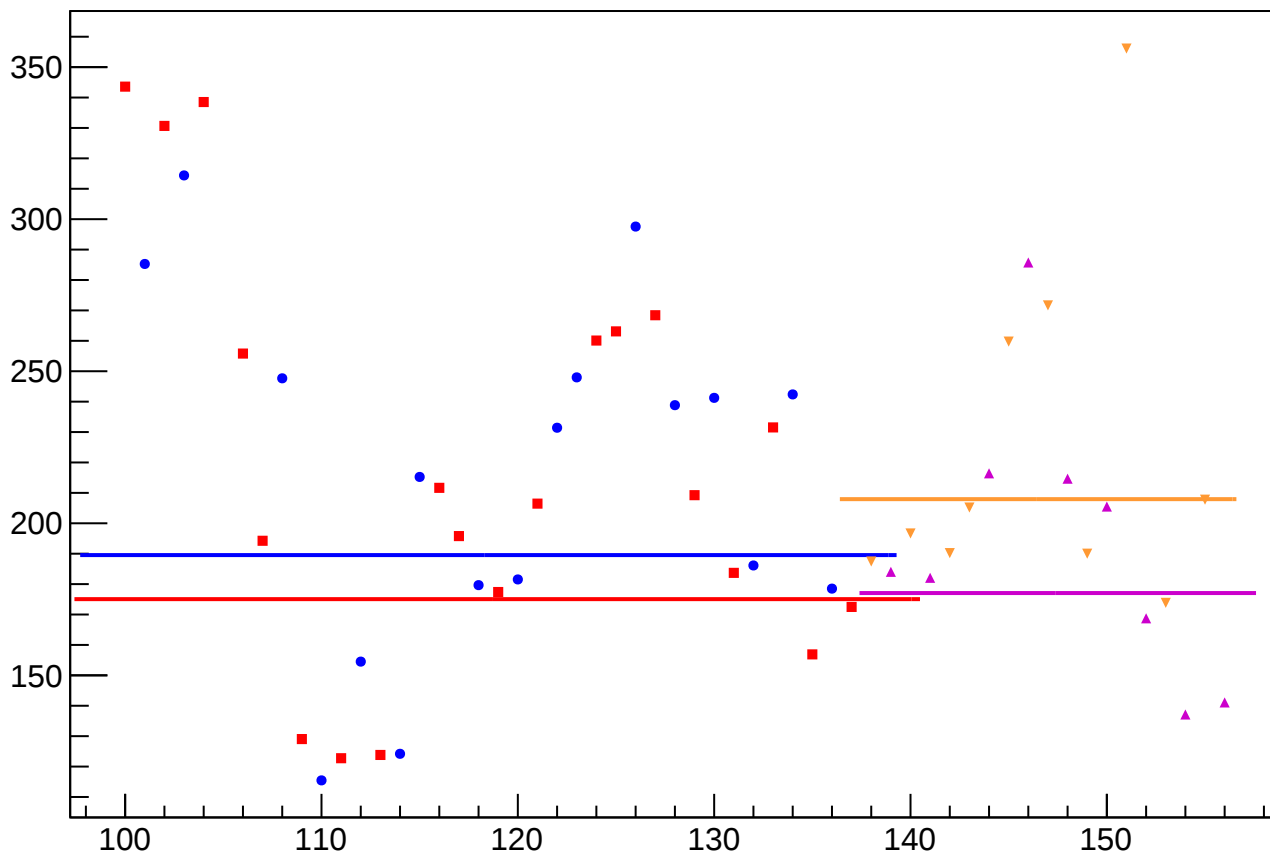
Right Out: 2728.550+/-69.837 χ^2/NDF : 2495.9/19

Left In: 3890.894+/-69.071 χ^2/NDF : 8606.0/8

1573.177+/-55.248 χ^2/NDF : 5388.4/26

3316.129+/-49.109 χ^2/NDF : 11242.0/28

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 ± 0.055 χ^2/NDF : 980744.6/16

Left Out: 207.938 ± 0.056 χ^2/NDF : 504746.9/9

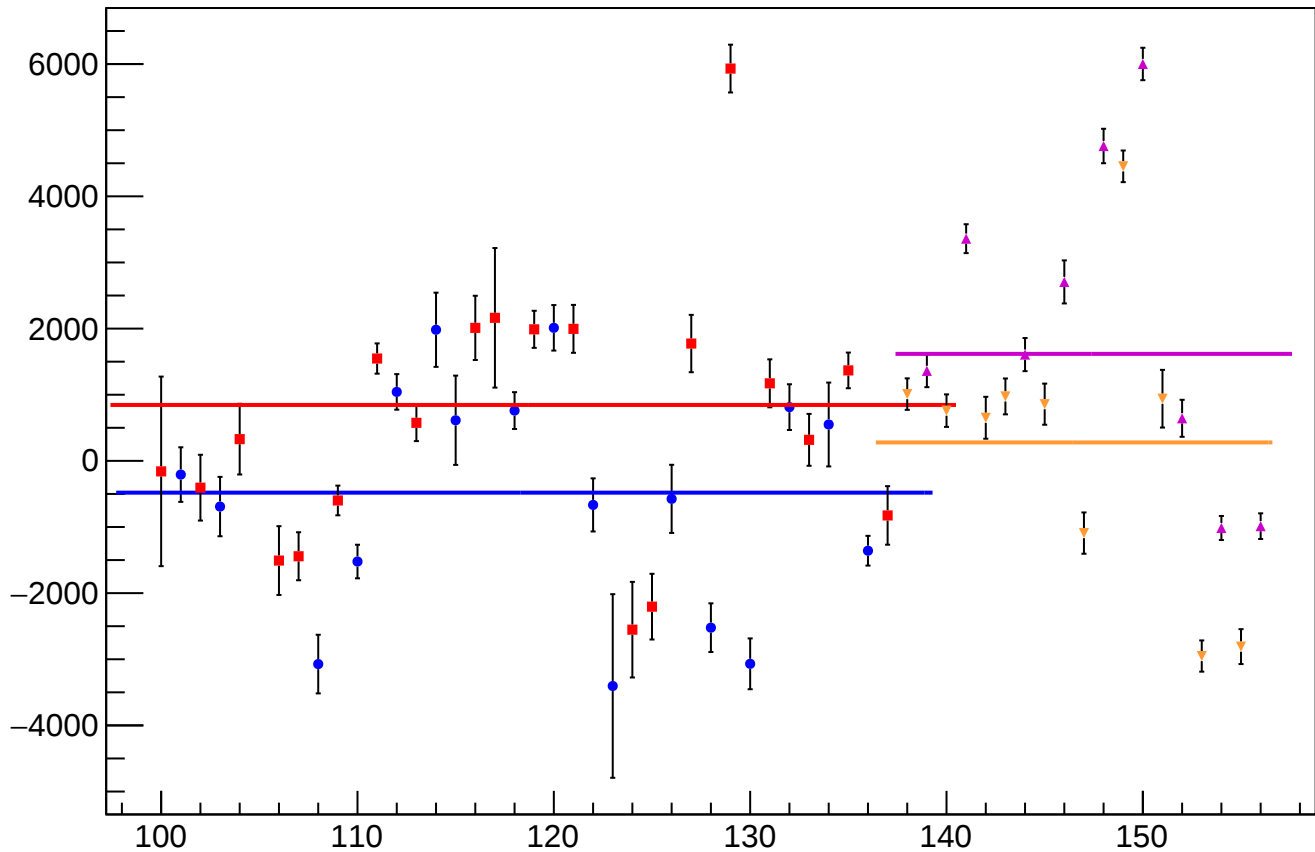
Right Out: 175.058 ± 0.049 χ^2/NDF : 1298079.7/19

Left In: 177.060 ± 0.049 χ^2/NDF : 610438.7/8

198.505 ± 0.039 χ^2/NDF : 1540875.4/26

176.070 ± 0.035 χ^2/NDF : 1909349.4/28

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 278.763 ± 86.580 χ^2/NDF : 674.8/9

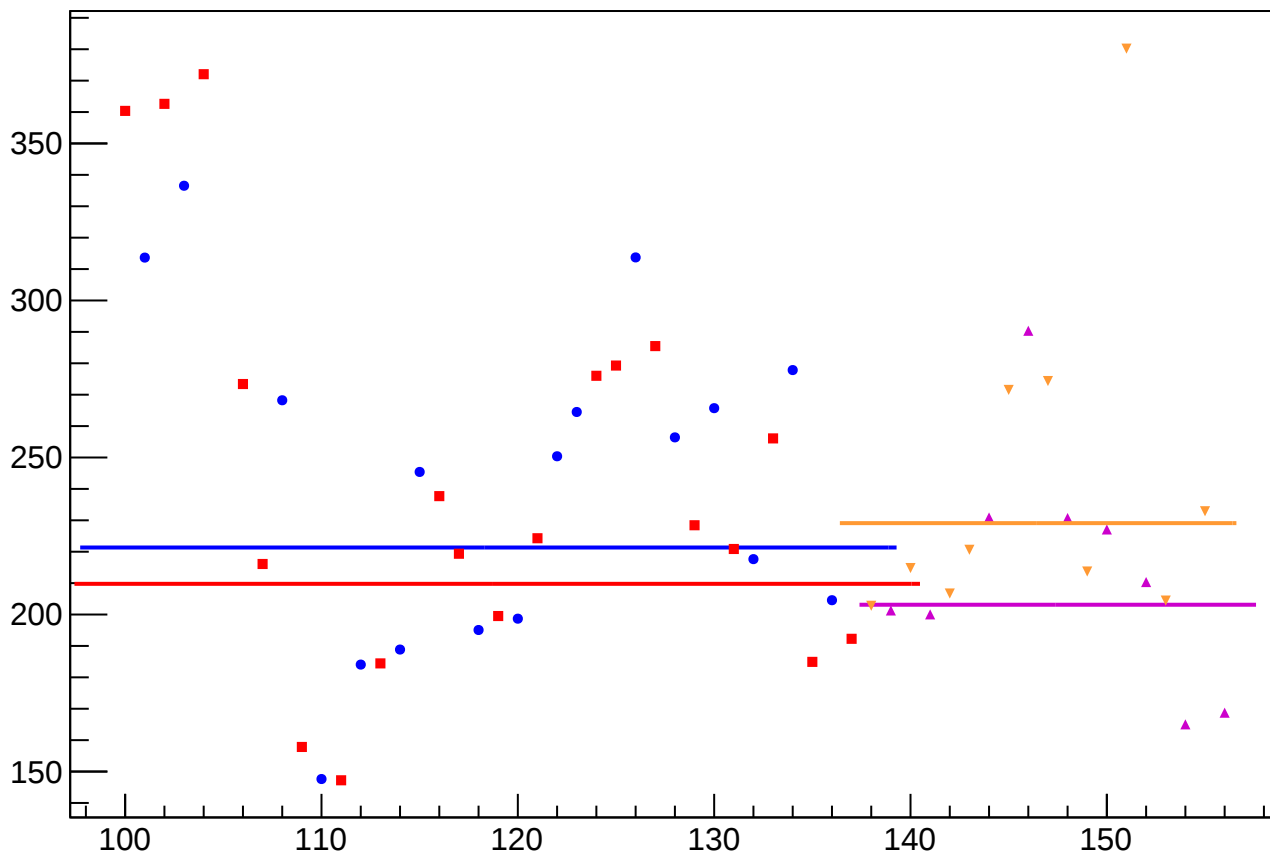
Right Out: 845.444 ± 81.995 χ^2/NDF : 436.9/19

Left In: 1617.695 ± 78.086 χ^2/NDF : 944.8/8

-91.982 ± 61.937 χ^2/NDF : 1003.1/26

1250.412 ± 56.547 χ^2/NDF : 1428.2/28

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 ± 0.063 χ^2/NDF : 645688.1/16

Left Out: 229.101 ± 0.061 χ^2/NDF : 392815.3/9

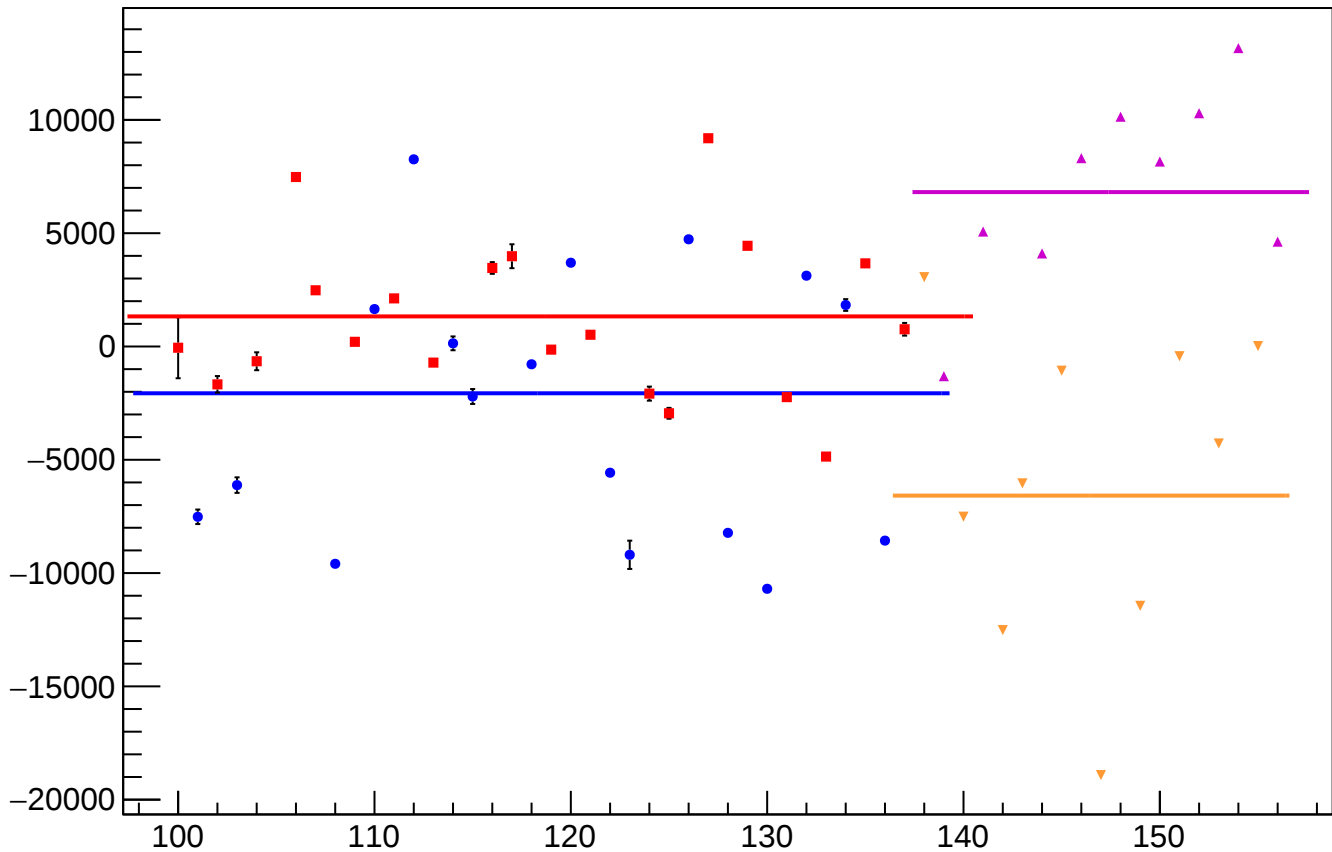
Right Out: 209.775 ± 0.058 χ^2/NDF : 884083.7/19

Left In: 203.117 ± 0.055 χ^2/NDF : 362834.7/8

225.313 ± 0.044 χ^2/NDF : 1046345.8/26

206.283 ± 0.040 χ^2/NDF : 1253834.1/28

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -6580.968 ± 42.807 $\chi^2/\text{NDF}: 24423.2/9$

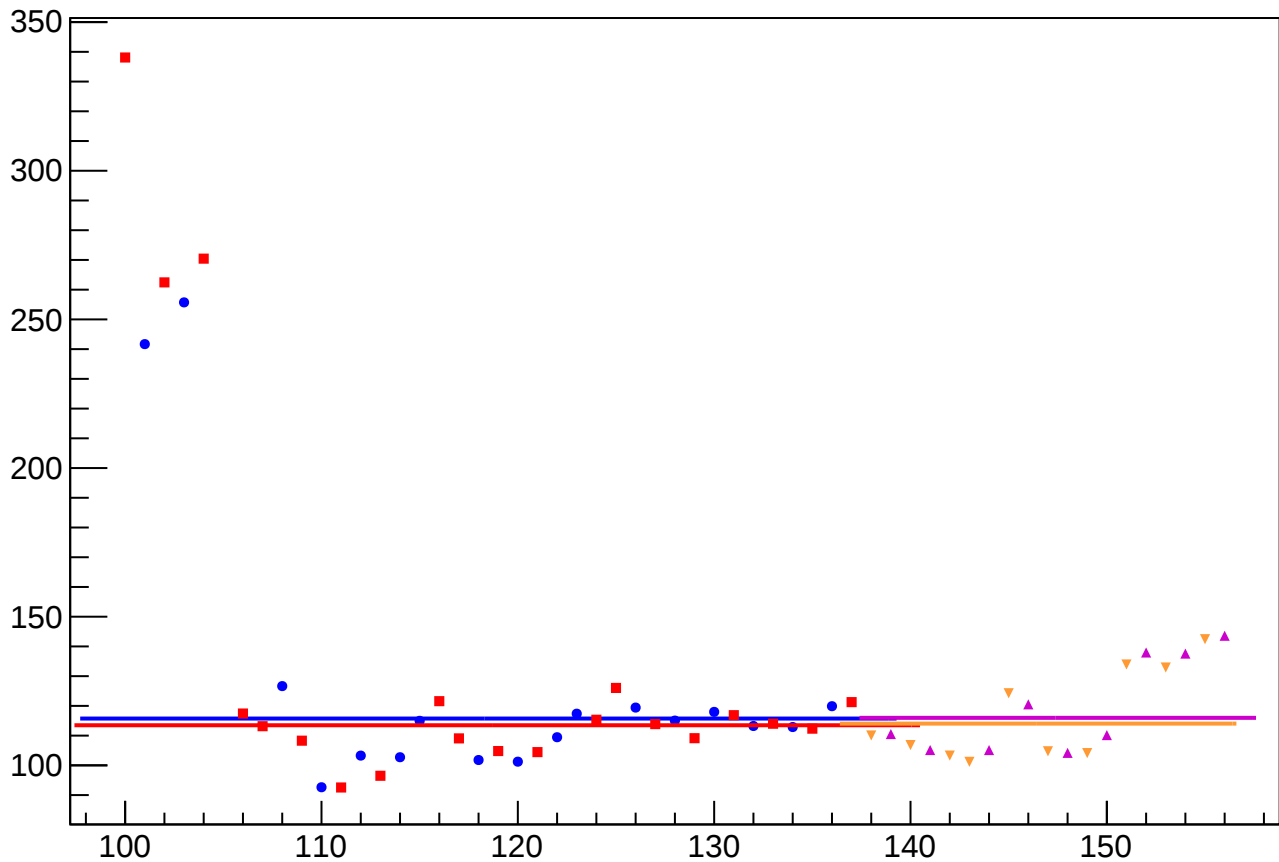
Right Out: 1327.819 ± 44.838 $\chi^2/\text{NDF}: 5919.9/19$

Left In: 6814.091 ± 43.595 $\chi^2/\text{NDF}: 7831.2/8$

-4548.743 ± 31.745 $\chi^2/\text{NDF}: 45964.8/26$

4148.051 ± 31.257 $\chi^2/\text{NDF}: 21447.1/28$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 ± 0.033 χ^2/NDF : 744017.7/16

Left Out: 114.038 ± 0.030 χ^2/NDF : 204615.6/9

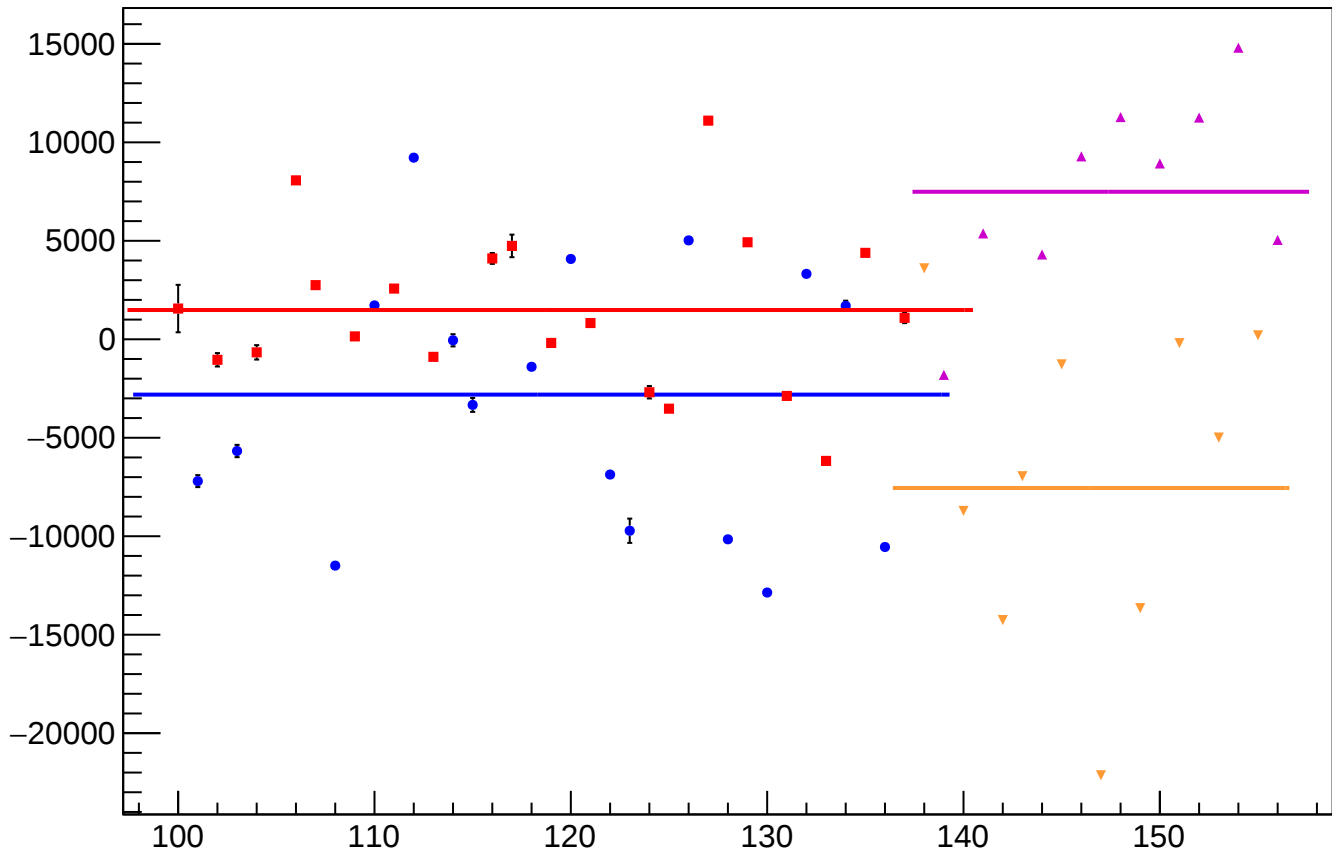
Right Out: 113.487 ± 0.032 χ^2/NDF : 796781.7/19

Left In: 115.980 ± 0.031 χ^2/NDF : 205640.4/8

114.804 ± 0.022 χ^2/NDF : 950057.3/26

114.768 ± 0.022 χ^2/NDF : 1005600.2/28

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101 ± 48.284 $\chi^2/\text{NDF}: 21263.1/16$

Left Out: -7550.576 ± 45.829 $\chi^2/\text{NDF}: 29292.5/9$

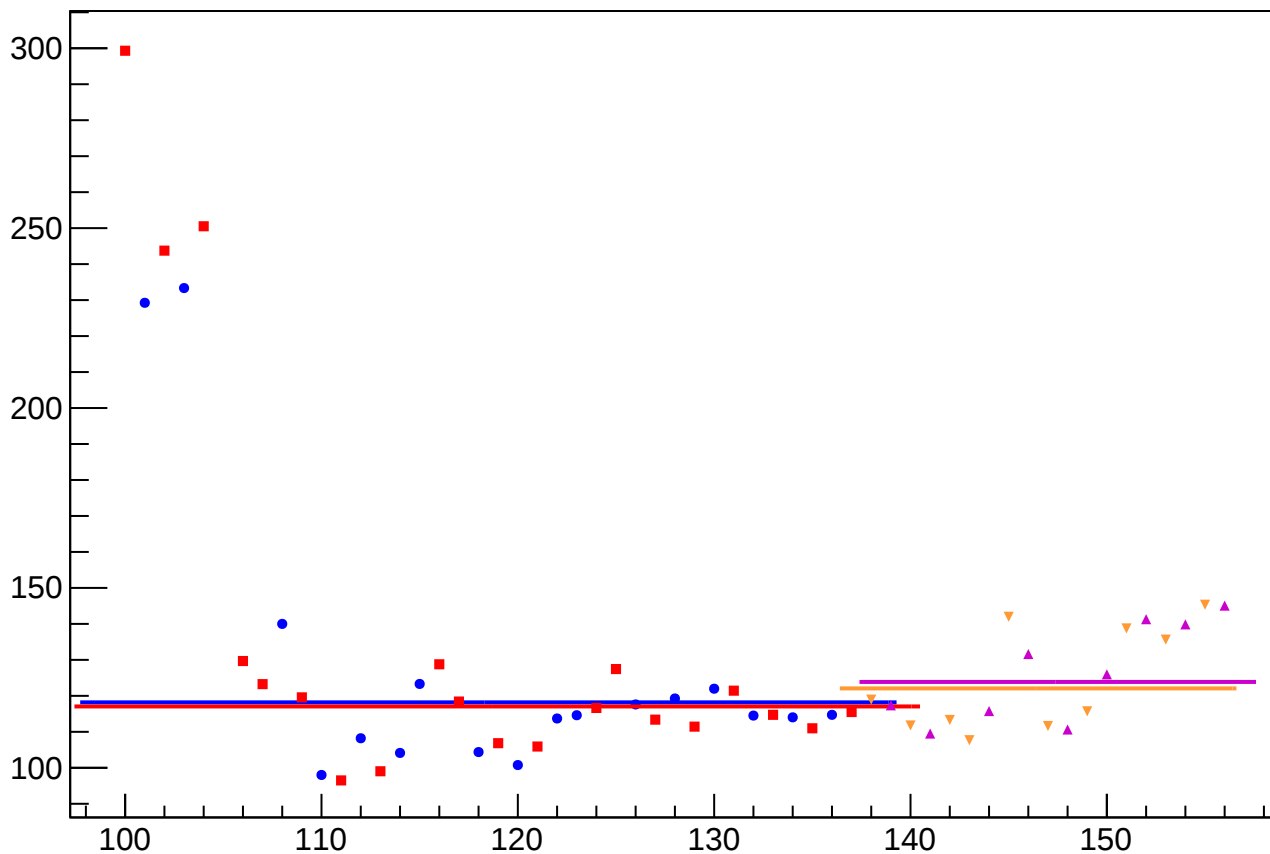
Right Out: 1486.369 ± 46.243 $\chi^2/\text{NDF}: 8037.1/19$

Left In: 7489.909 ± 46.516 $\chi^2/\text{NDF}: 9258.1/8$

-5303.443 ± 33.240 $\chi^2/\text{NDF}: 55628.5/26$

4470.519 ± 32.795 $\chi^2/\text{NDF}: 25673.0/28$

asym_bpm2i01WS_rms vs Slug



Right In: 118.188 ± 0.034 $\chi^2/\text{NDF}: 636252.0/16$

Left Out: 122.069 ± 0.032 $\chi^2/\text{NDF}: 167934.3/9$

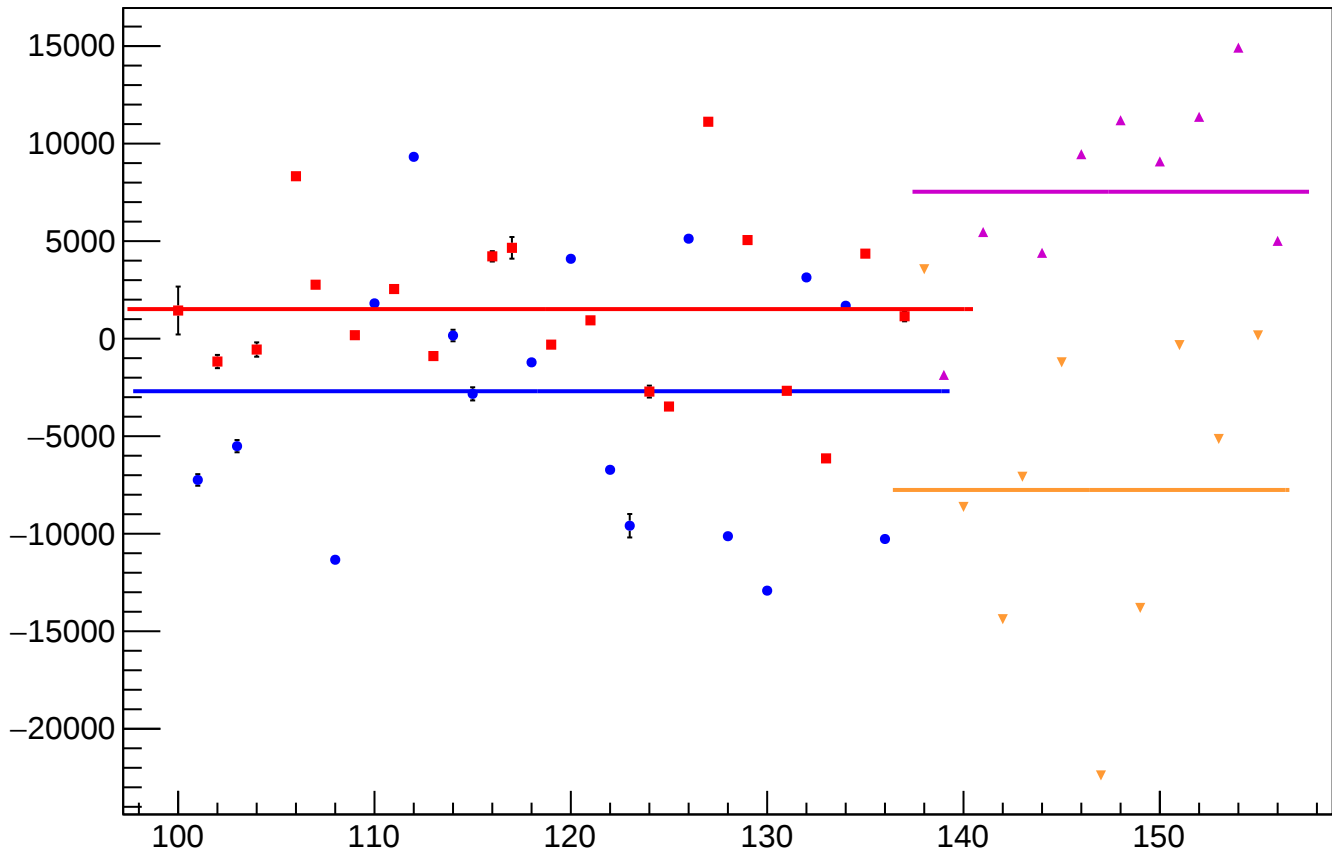
Right Out: 117.054 ± 0.033 $\chi^2/\text{NDF}: 690646.8/19$

Left In: 123.868 ± 0.033 $\chi^2/\text{NDF}: 148742.9/8$

120.230 ± 0.024 $\chi^2/\text{NDF}: 810982.0/26$

120.441 ± 0.023 $\chi^2/\text{NDF}: 860969.1/28$

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 ± 46.347 $\chi^2/\text{NDF}: 22860.3/16$

Left Out: -7755.886 ± 44.504 $\chi^2/\text{NDF}: 32093.5/9$

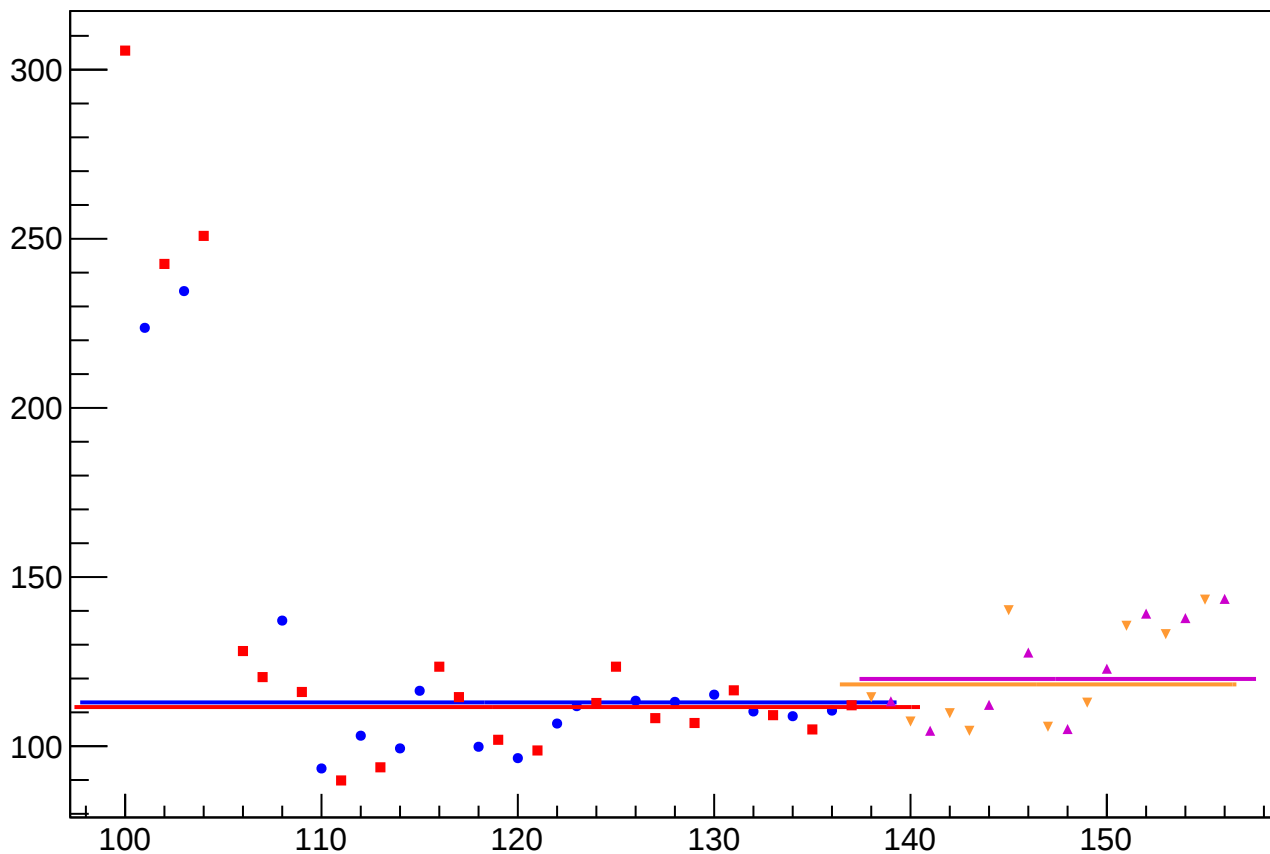
Right Out: 1515.863 ± 44.303 $\chi^2/\text{NDF}: 8749.3/19$

Left In: 7531.877 ± 45.136 $\chi^2/\text{NDF}: 9920.5/8$

-5327.725 ± 32.101 $\chi^2/\text{NDF}: 61159.3/26$

4467.819 ± 31.618 $\chi^2/\text{NDF}: 27717.8/28$

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 118.263 $\pm$ 0.031 χ^2 /NDF:198719.4/9

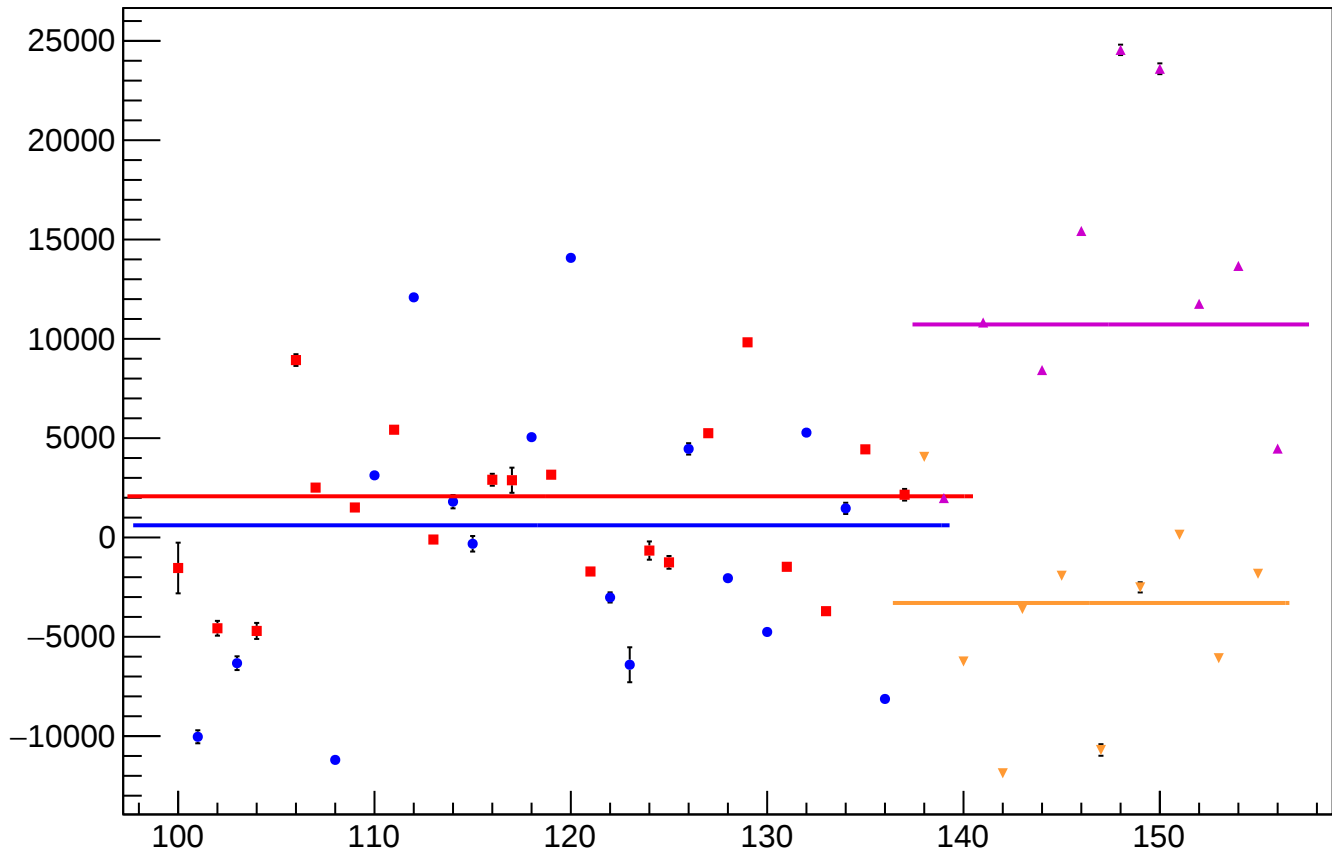
Right Out: 111.562 $\pm$ 0.031 χ^2 /NDF: 765559.1/19

Left In: 119.876 $\pm$ 0.032 χ^2 /NDF:187411.2/8

115.710 $\pm$ 0.023 χ^2 /NDF: 892727.4/26

115.642 $\pm$ 0.022 χ^2 /NDF: 987526.6/28

asym_bpm0i01WS_mean vs Slug



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -3297.210 ± 58.858 $\chi^2/\text{NDF}: 5329.4/9$

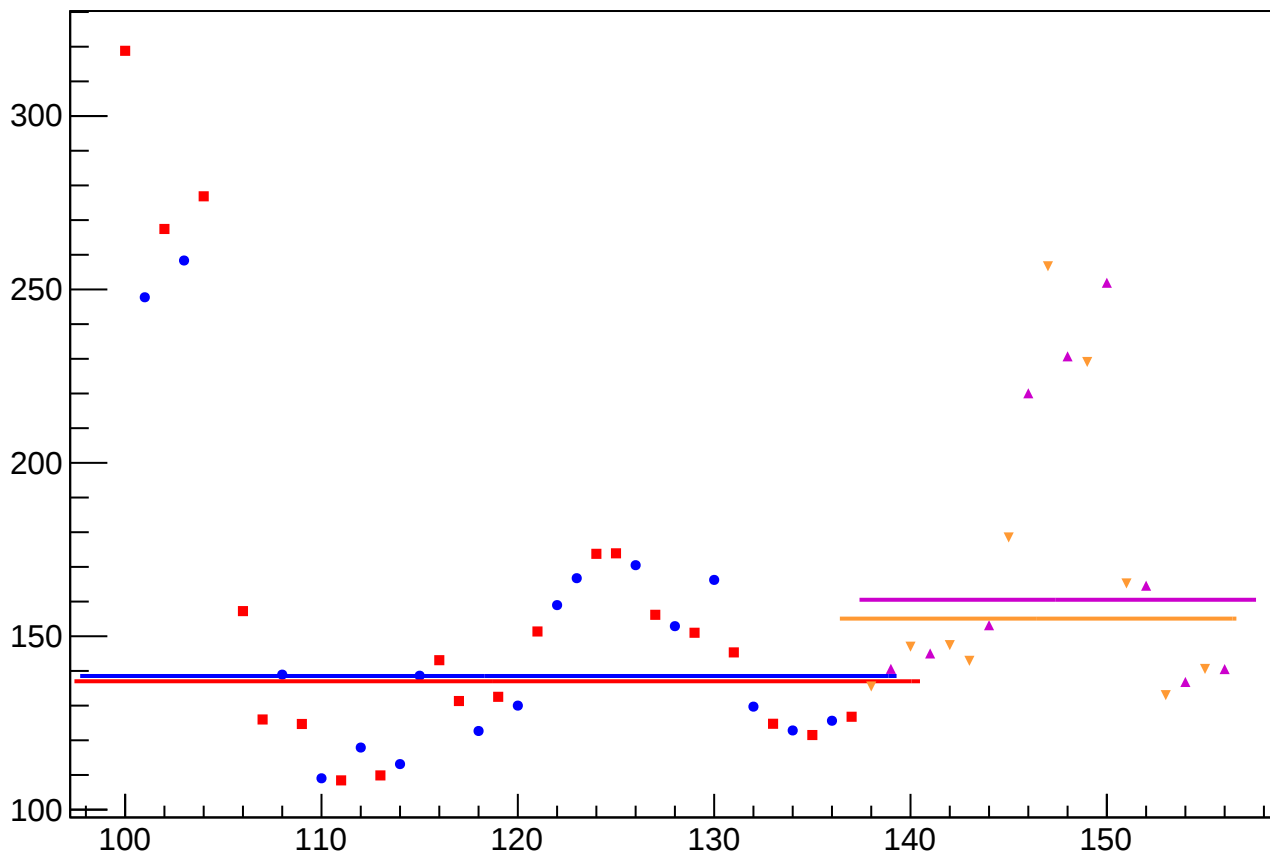
Right Out: 2073.278 ± 53.736 $\chi^2/\text{NDF}: 4644.3/19$

Left In: 10724.666 ± 61.335 $\chi^2/\text{NDF}: 10092.8/8$

-1247.222 ± 40.594 $\chi^2/\text{NDF}: 25886.4/26$

5830.134 ± 40.418 $\chi^2/\text{NDF}: 25993.0/28$

asym_bpm0i01WS_rms vs Slug



Right In: 138.542 ± 0.040 χ^2/NDF : 668941.7/16

Left Out: 155.088 ± 0.042 χ^2/NDF : 548752.4/9

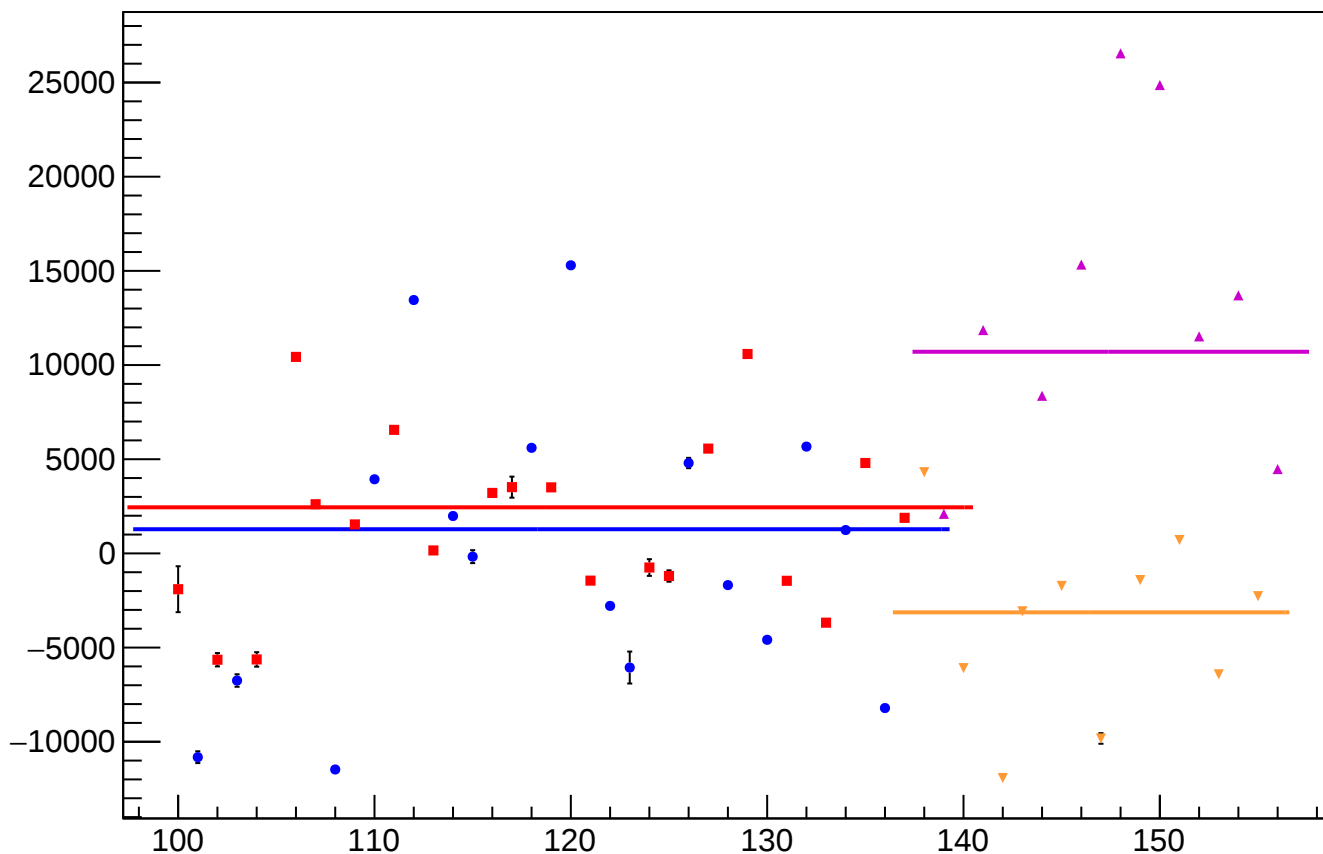
Right Out: 137.019 ± 0.038 χ^2/NDF : 755655.0/19

Left In: 160.521 ± 0.043 χ^2/NDF : 620902.9/8

146.412 ± 0.029 χ^2/NDF : 1300566.3/26

147.225 ± 0.029 χ^2/NDF : 1542687.9/28

asym_bpm0i01aWS_mean vs Slug



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -3129.458+/-52.258 χ^2/NDF : 7145.7/9

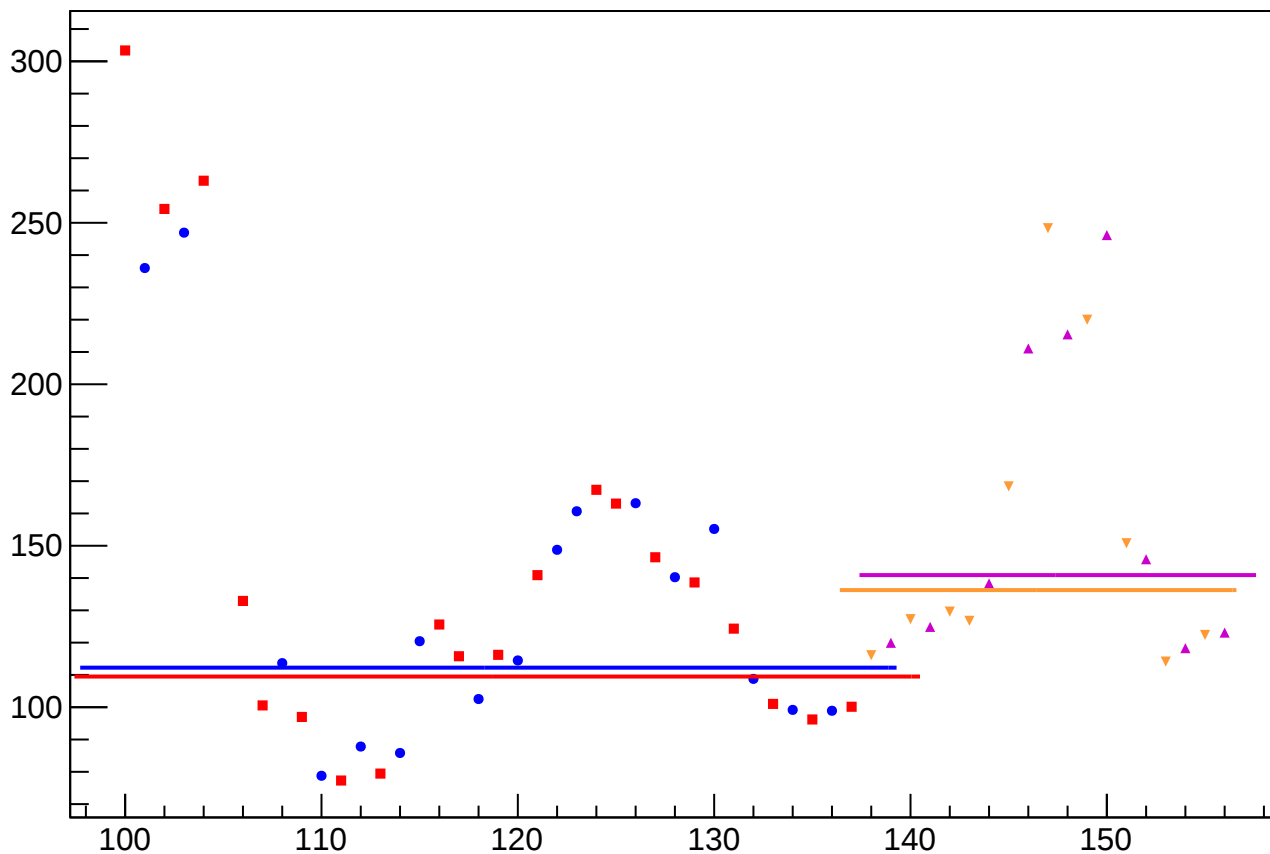
Right Out: 2446.970+/-44.148 χ^2/NDF : 7681.2/19

Left In: 10705.045+/-54.534 χ^2/NDF : 13562.8/8

-670.220+/-34.769 χ^2/NDF : 41660.0/26

5716.363+/-34.313 χ^2/NDF : 35096.6/28

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251 $\pm$ 0.033 χ^2/NDF : 1125537.4/16

Left Out: 136.269 $\pm$ 0.037 χ^2/NDF : 755571.0/9

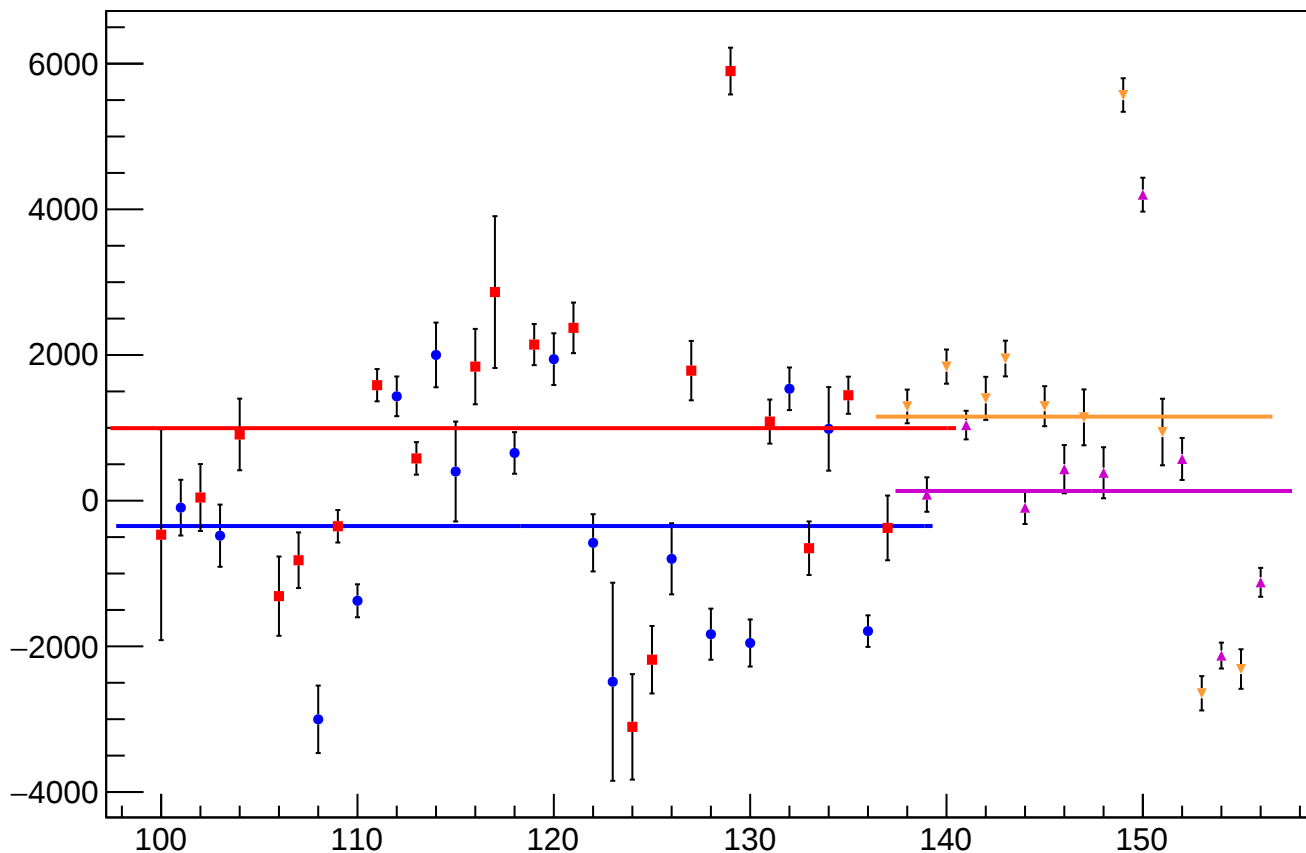
Right Out: 109.500 $\pm$ 0.031 χ^2/NDF : 1269887.8/19

Left In: 140.915 $\pm$ 0.039 χ^2/NDF : 838853.2/8

122.883 $\pm$ 0.025 χ^2/NDF : 2116581.0/26

121.937 $\pm$ 0.024 χ^2/NDF : 2509684.6/28

asym_bpm0l01WS_mean vs Slug



Right In: -348.055 ± 83.826 χ^2/NDF : 317.3/16

Left Out: 1153.929 ± 84.459 χ^2/NDF : 810.7/9

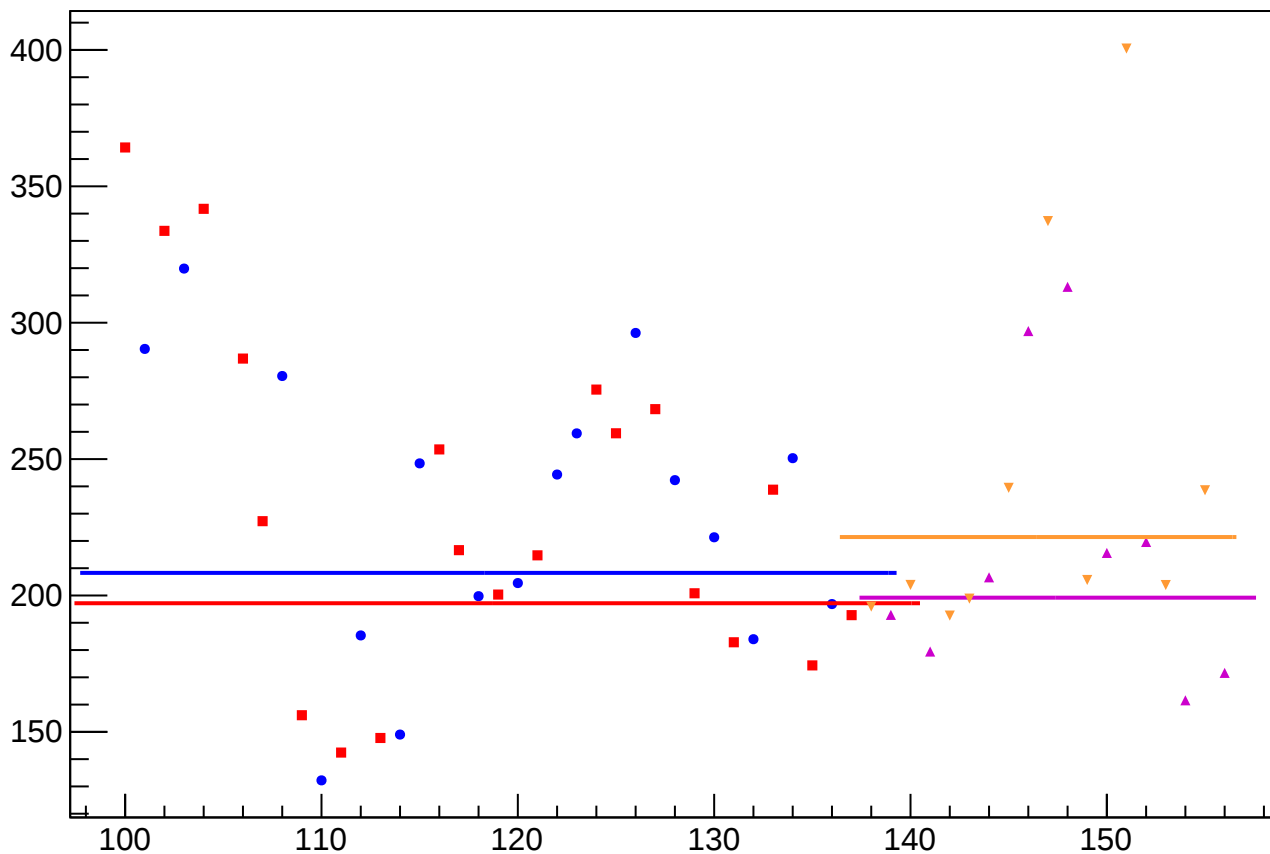
Right Out: 995.622 ± 77.468 χ^2/NDF : 479.8/19

Left In: 133.012 ± 77.035 χ^2/NDF : 533.3/8

397.288 ± 59.497 χ^2/NDF : 1287.3/26

561.899 ± 54.625 χ^2/NDF : 1075.4/28

asym_bpm0l01WS_rms vs Slug



Right In: 208.288 ± 0.059 χ^2/NDF : 698491.0/16

Left Out: 221.426 ± 0.060 χ^2/NDF : 597839.9/9

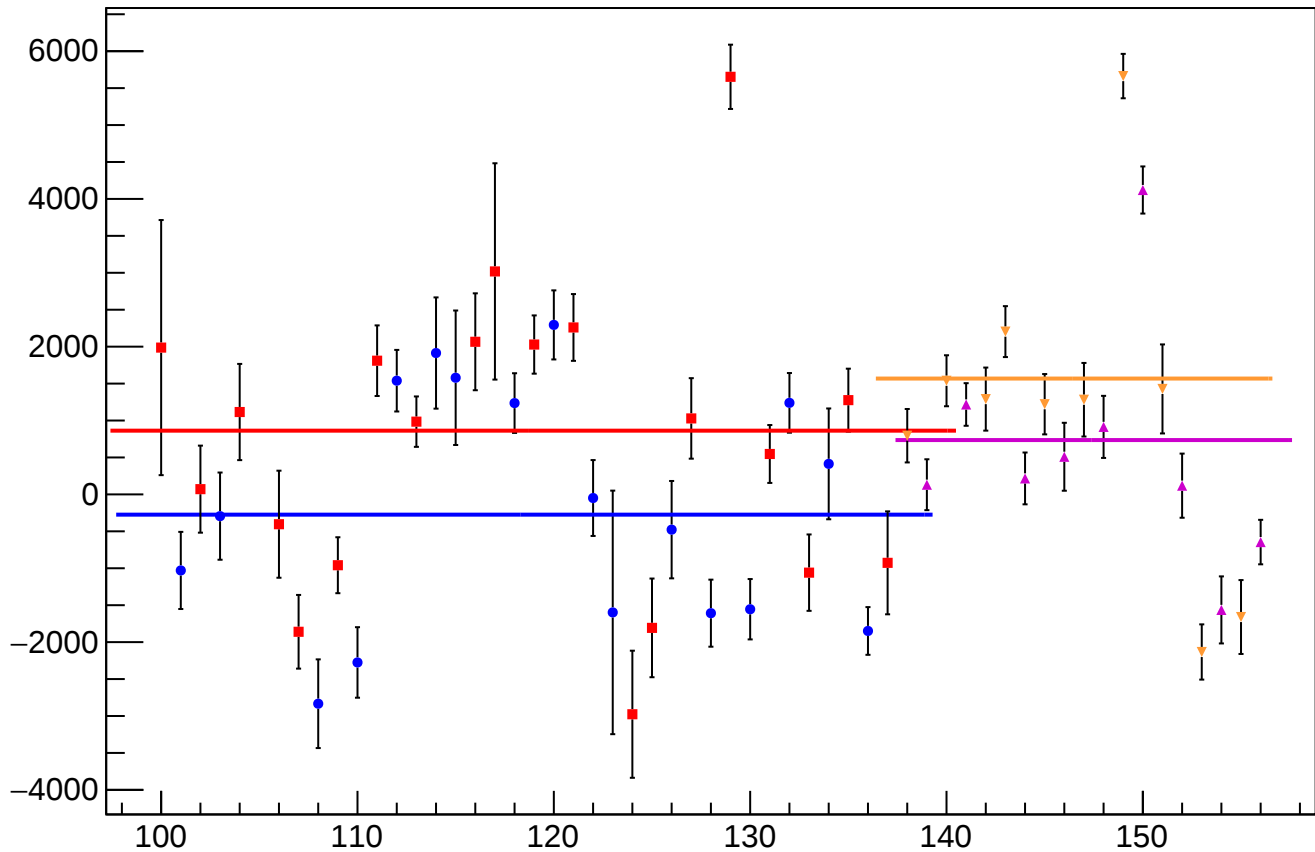
Right Out: 197.159 ± 0.055 χ^2/NDF : 927487.8/19

Left In: 199.200 ± 0.054 χ^2/NDF : 557865.2/8

214.807 ± 0.042 χ^2/NDF : 1320712.6/26

198.185 ± 0.039 χ^2/NDF : 1486051.0/28

asym_bpm0l02WS_mean vs Slug



Right In: -274.260+/-121.326 χ^2/NDF : 171.6/16

Left Out: 1568.179+/-124.085 χ^2/NDF : 334.9/9

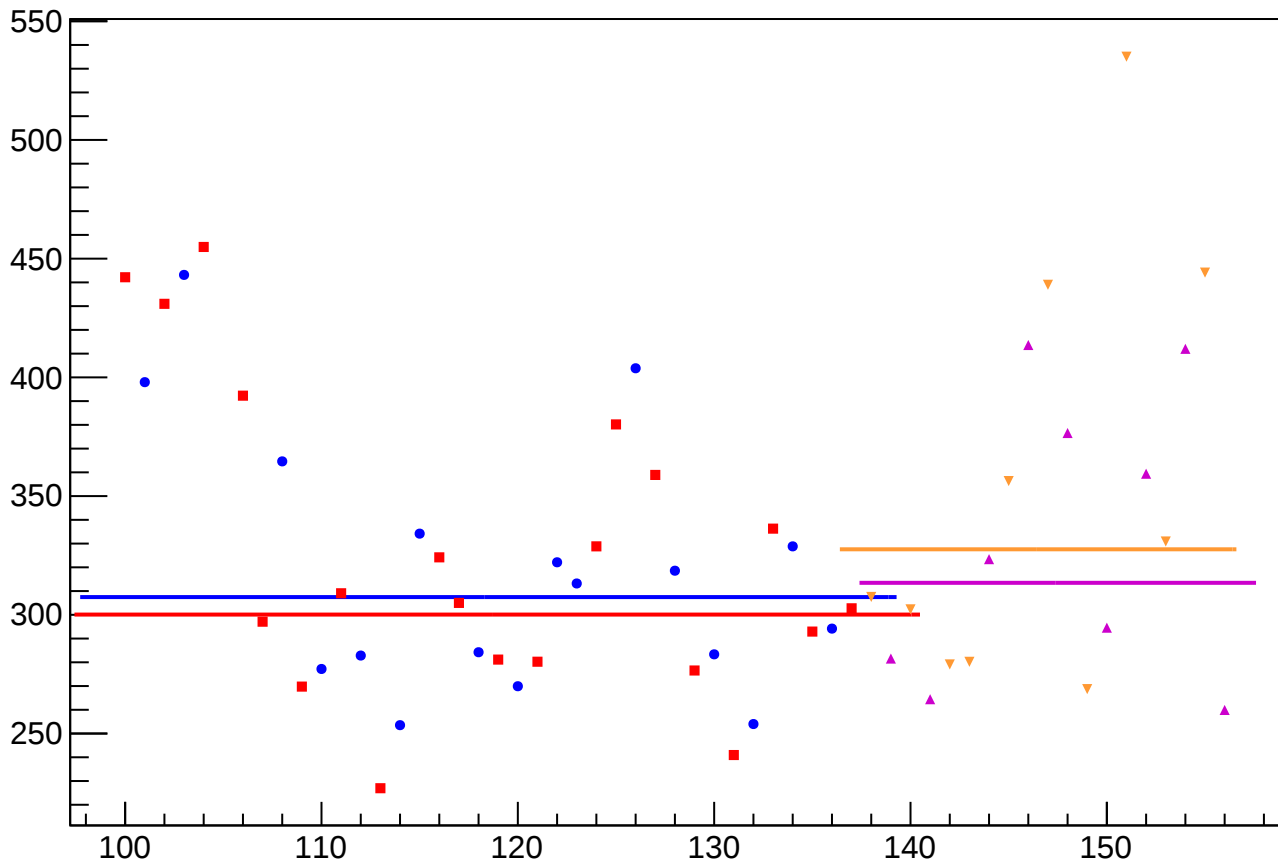
Right Out: 862.791+/-114.993 χ^2/NDF : 265.4/19

Left In: 735.515+/-119.537 χ^2/NDF : 169.8/8

626.244+/-86.750 χ^2/NDF : 619.2/26

801.618+/-82.872 χ^2/NDF : 435.8/28

asym_bpm0l02WS_rms vs Slug



Right In: 307.468 ± 0.086 χ^2/NDF : 323096.7/16

Left Out: 327.588 ± 0.088 χ^2/NDF : 613085.2/9

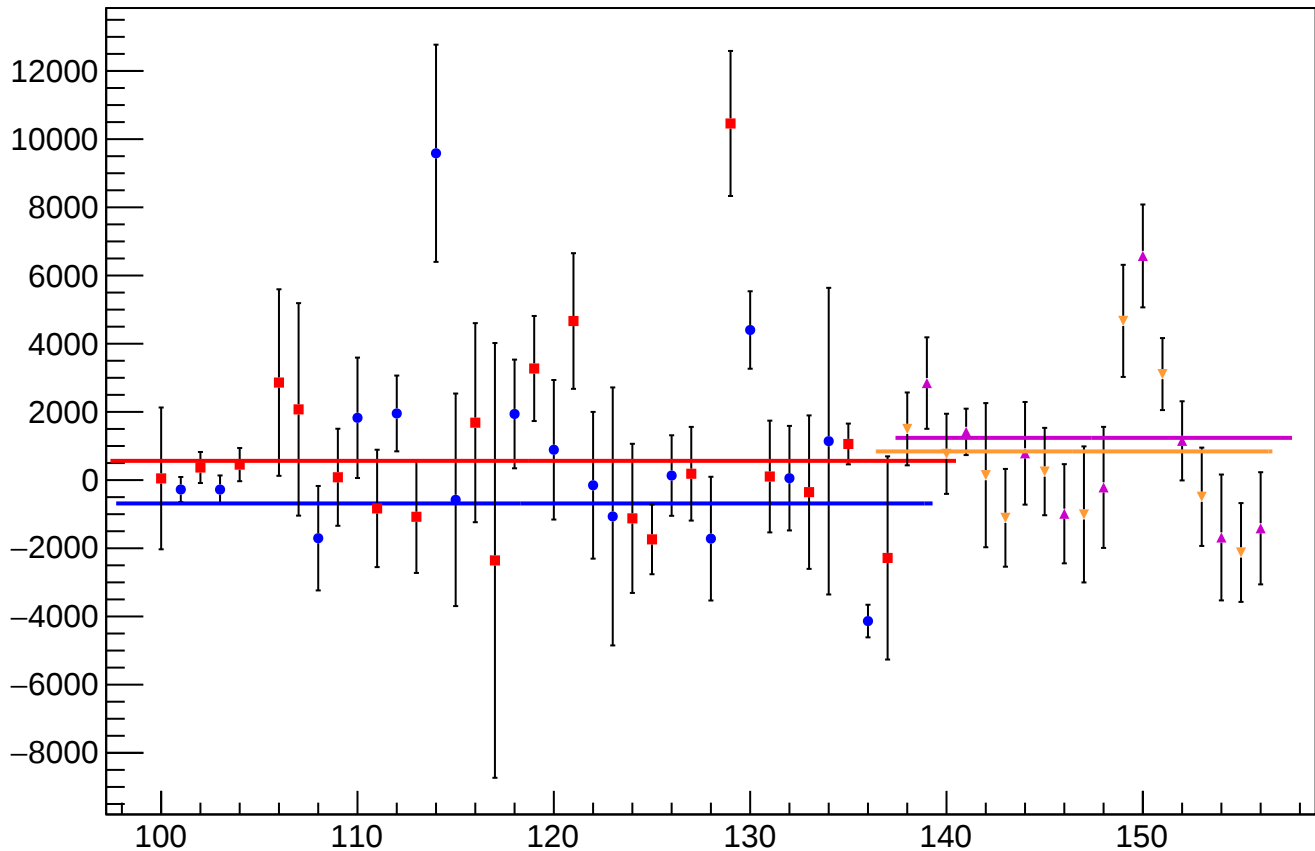
Right Out: 300.100 ± 0.081 χ^2/NDF : 490421.6/19

Left In: 313.474 ± 0.085 χ^2/NDF : 403454.8/8

317.302 ± 0.061 χ^2/NDF : 963064.6/26

306.528 ± 0.059 χ^2/NDF : 906877.9/28

asym_bpm0l03WS_mean vs Slug



Right In: -685.056+/-210.341 χ^2/NDF : 97.4/16

Left Out: 840.781+/-430.565 χ^2/NDF : 18.5/9

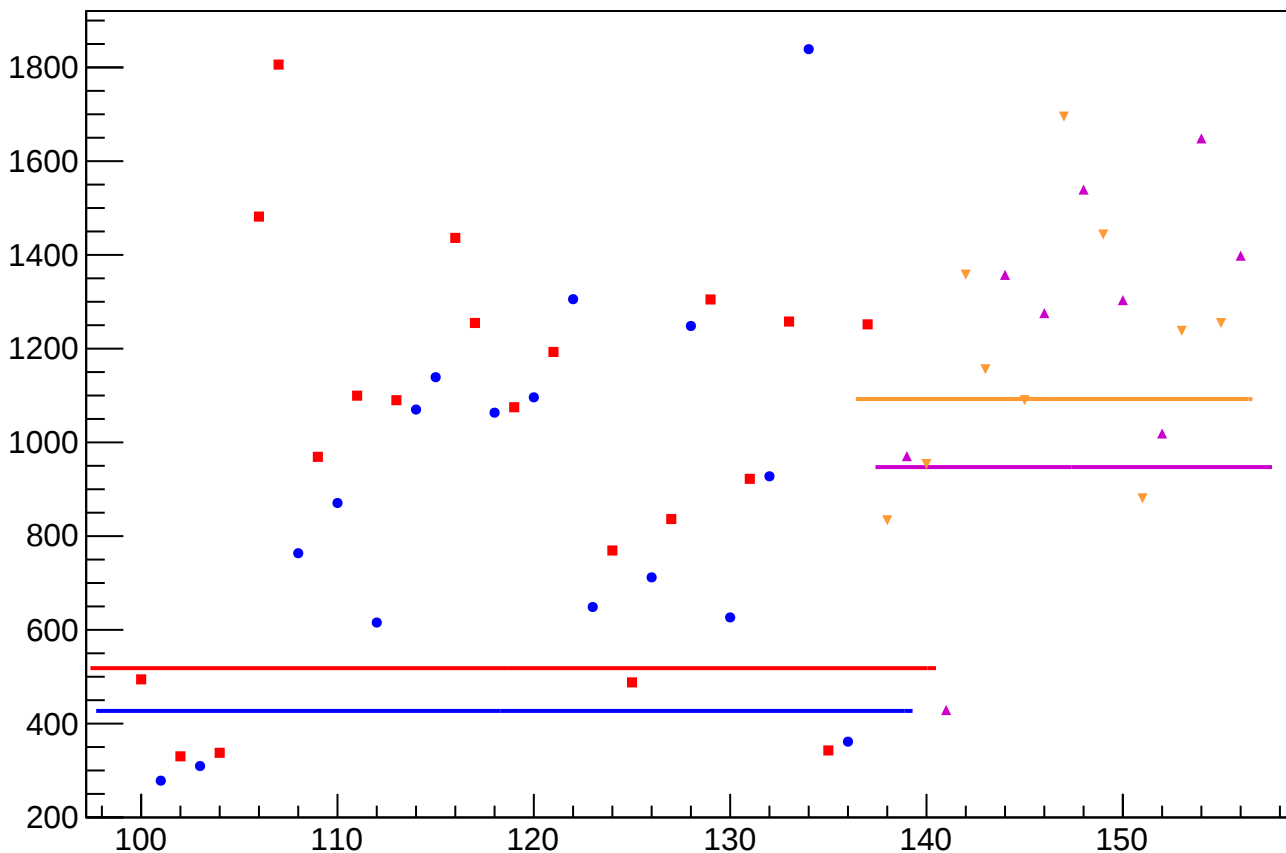
Right Out: 564.400+/-243.074 χ^2/NDF : 39.9/19

Left In: 1238.771+/-415.601 χ^2/NDF : 22.2/8

-391.070+/-188.994 χ^2/NDF : 126.0/26

736.288+/-209.822 χ^2/NDF : 64.1/28

asym_bpm0l03WS_rms vs Slug



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 1092.508+/-0.304 χ^2/NDF : 580073.2/9

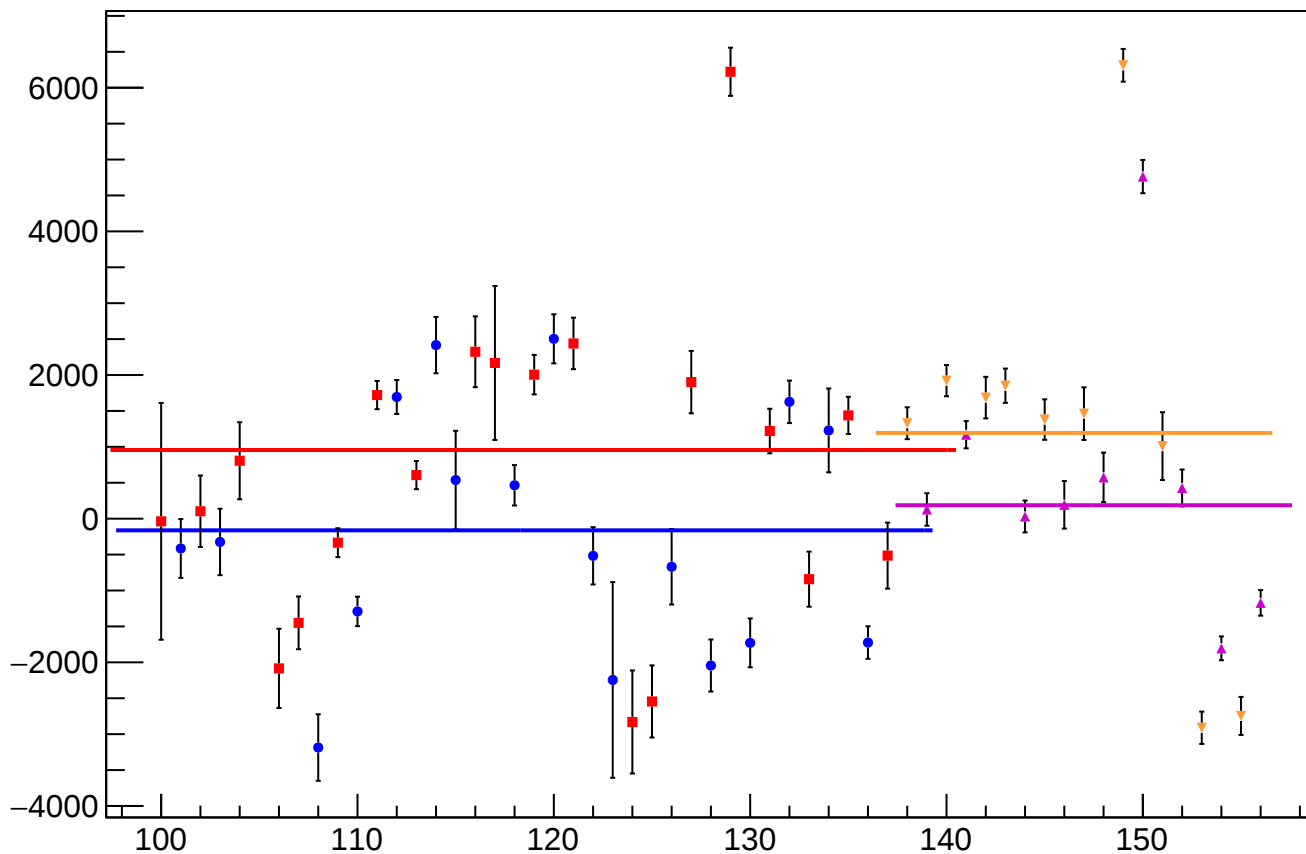
Right Out: 518.306+/-0.172 χ^2/NDF : 3631833.9/19

Left In: 947.308+/-0.294 χ^2/NDF : 2191713.8/8

555.289+/-0.134 χ^2/NDF : 7302361.1/26

627.653+/-0.148 χ^2/NDF : 7411420.8/28

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 $\chi^2/\text{NDF}: 387.6/16$

Left Out: 1193.851 ± 81.995 $\chi^2/\text{NDF}: 1082.1/9$

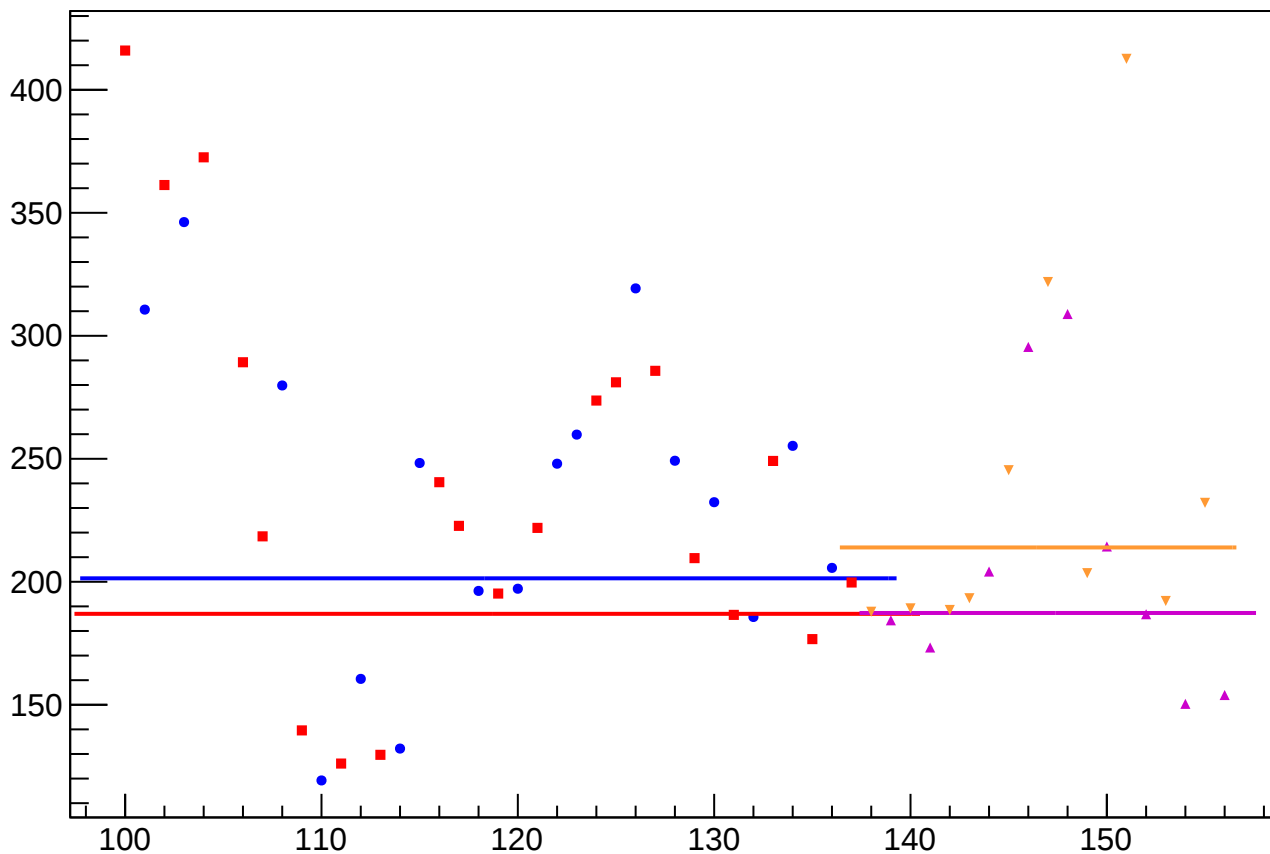
Right Out: 956.044 ± 74.949 $\chi^2/\text{NDF}: 541.1/19$

Left In: 187.111 ± 73.136 $\chi^2/\text{NDF}: 623.2/8$

518.690 ± 58.104 $\chi^2/\text{NDF}: 1605.9/26$

562.161 ± 52.344 $\chi^2/\text{NDF}: 1218.2/28$

asym_bpm0l04WS_rms vs Slug



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 213.961 $\pm$ 0.058 χ^2 /NDF:669012.4/9

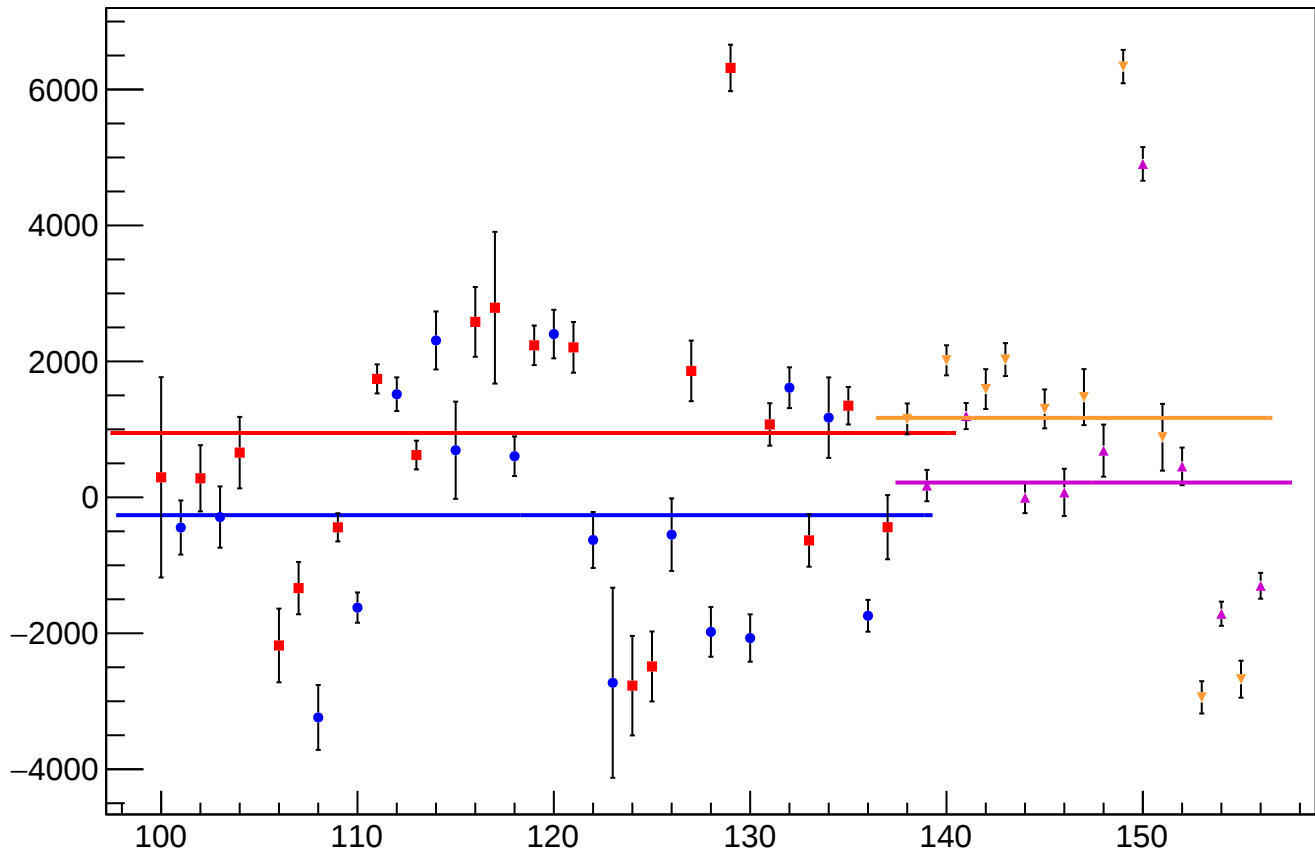
Right Out: 186.973 $\pm$ 0.053 χ^2 /NDF: 1395397.8/19

Left In: 187.321 $\pm$ 0.052 χ^2 /NDF:680625.3/8

207.712 $\pm$ 0.041 χ^2 /NDF: 1748367.1/26

187.151 $\pm$ 0.037 χ^2 /NDF: 2076045.2/28

asym_bpm0l05WS_mean vs Slug



Right In: -262.324 ± 85.433 $\chi^2/\text{NDF}: 368.7/16$

Left Out: 1168.890 ± 84.894 $\chi^2/\text{NDF}: 971.8/9$

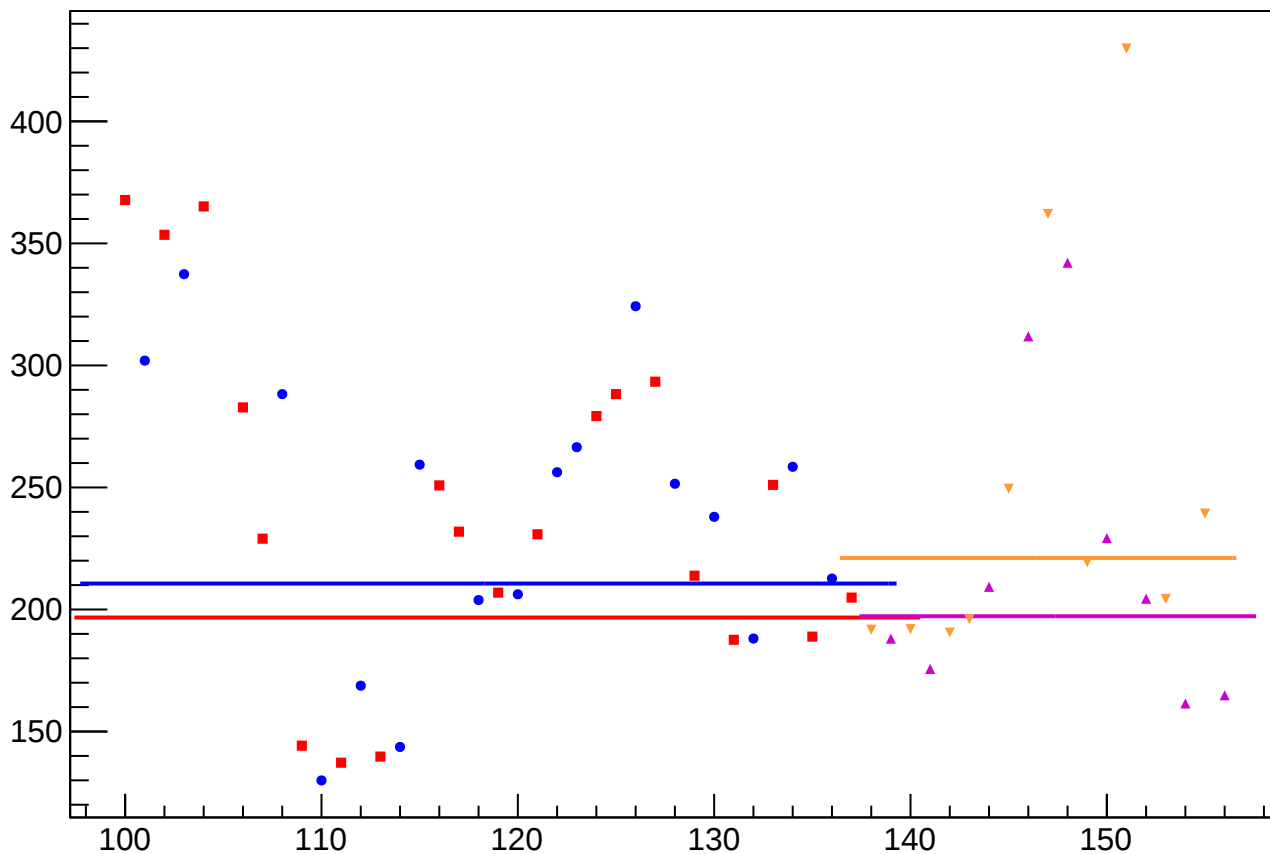
Right Out: 946.785 ± 78.241 $\chi^2/\text{NDF}: 524.6/19$

Left In: 217.681 ± 76.918 $\chi^2/\text{NDF}: 569.9/8$

457.813 ± 60.219 $\chi^2/\text{NDF}: 1481.7/26$

576.016 ± 54.851 $\chi^2/\text{NDF}: 1138.7/28$

asym_bpm0l05WS_rms vs Slug



Right In: 210.636 ± 0.060 χ^2/NDF : 875776.4/16

Left Out: 221.110 ± 0.060 χ^2/NDF : 745467.2/9

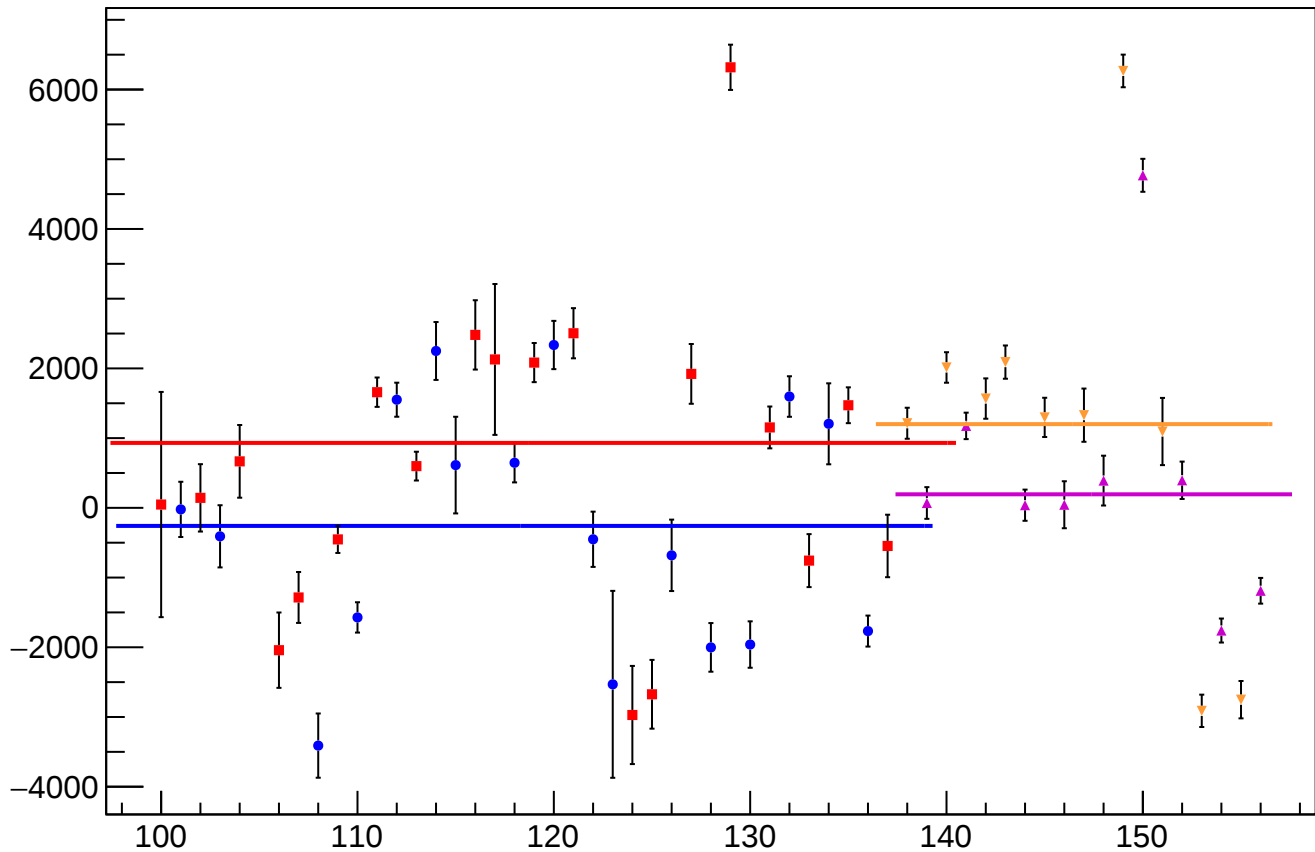
Right Out: 196.702 ± 0.055 χ^2/NDF : 1207089.6/19

Left In: 197.236 ± 0.054 χ^2/NDF : 710750.4/8

215.906 ± 0.043 χ^2/NDF : 1636370.1/26

196.973 ± 0.039 χ^2/NDF : 1917887.3/28

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 χ^2/NDF : 391.2/16

Left Out: 1200.817 ± 83.001 χ^2/NDF : 1030.0/9

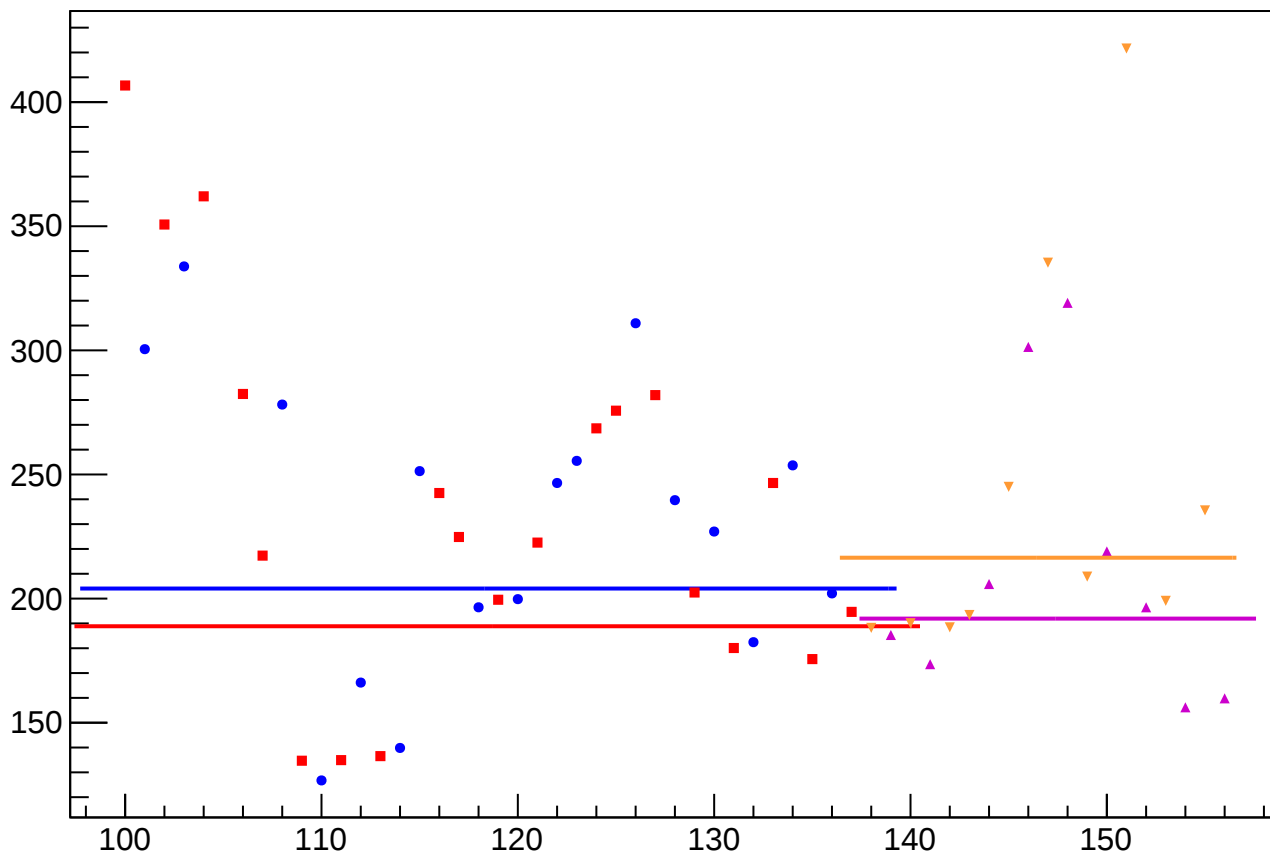
Right Out: 931.363 ± 75.320 χ^2/NDF : 583.1/19

Left In: 194.036 ± 74.810 χ^2/NDF : 588.3/8

469.086 ± 58.620 χ^2/NDF : 1576.3/26

560.192 ± 53.078 χ^2/NDF : 1219.7/28

asym_bpm0l06WS_rms vs Slug



Right In: 204.051+/-0.059 χ^2/NDF : 868423.0/16

Left Out: 216.467+/-0.059 χ^2/NDF : 698959.2/9

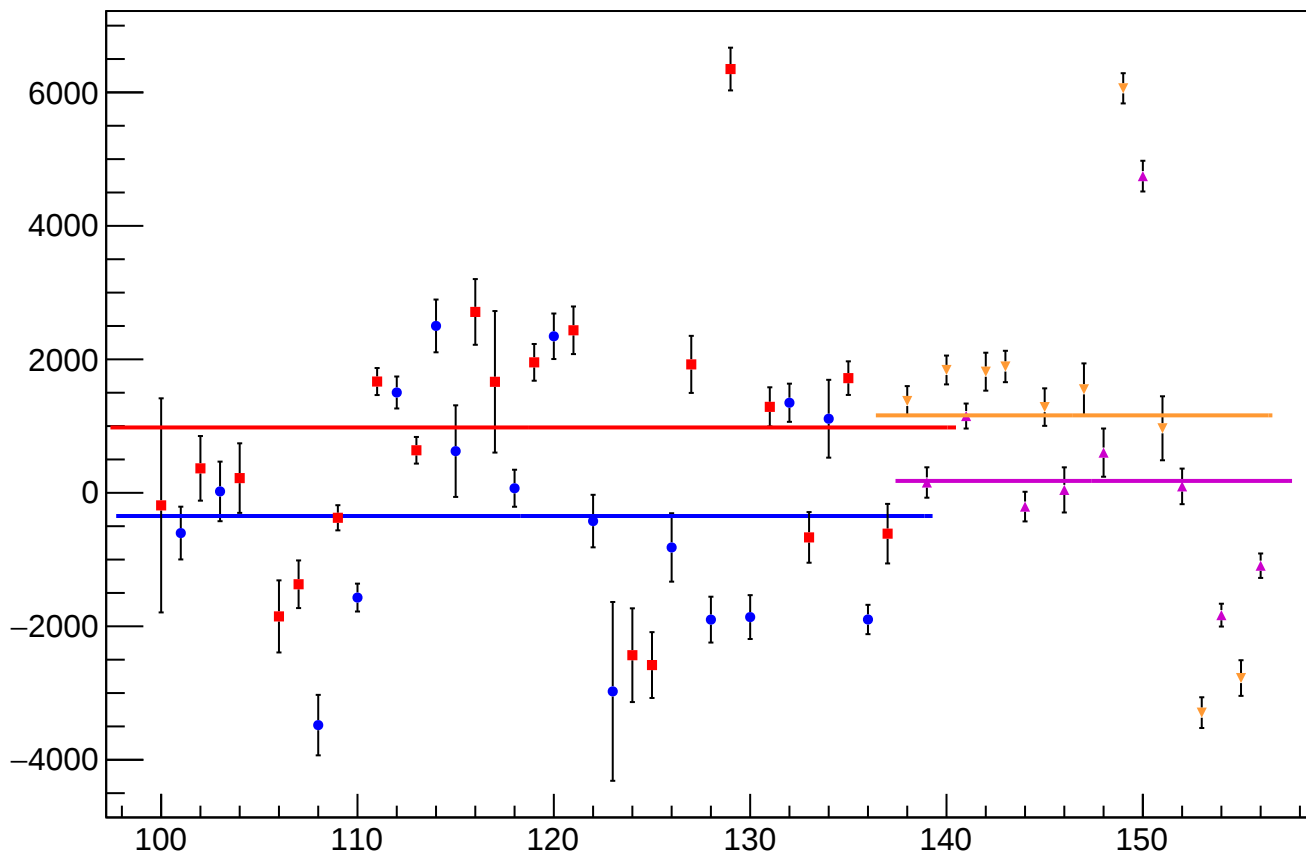
Right Out: 188.856+/-0.053 χ^2/NDF : 1253327.1/19

Left In: 191.937+/-0.053 χ^2/NDF : 666195.8/8

210.244+/-0.041 χ^2/NDF : 1589813.1/26

190.407+/-0.038 χ^2/NDF : 1921207.8/28

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 ± 81.318 $\chi^2/\text{NDF}: 399.1/16$

Left Out: 1160.732 ± 82.199 $\chi^2/\text{NDF}: 1086.2/9$

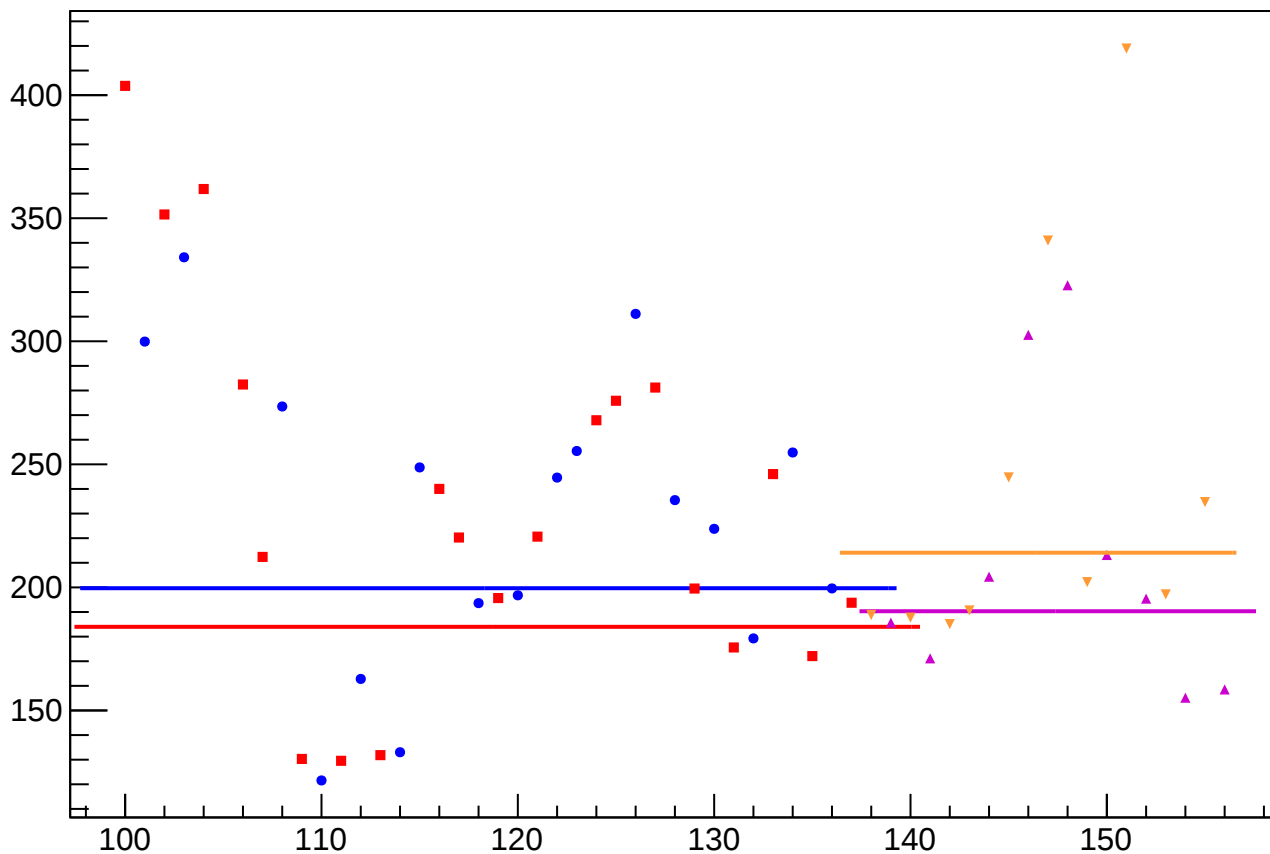
Right Out: 979.606 ± 73.710 $\chi^2/\text{NDF}: 586.1/19$

Left In: 178.460 ± 74.233 $\chi^2/\text{NDF}: 611.9/8$

398.620 ± 57.809 $\chi^2/\text{NDF}: 1655.4/26$

581.864 ± 52.305 $\chi^2/\text{NDF}: 1256.6/28$

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 ± 0.058 χ^2/NDF : 943155.1/16

Left Out: 214.096 ± 0.058 χ^2/NDF : 727007.6/9

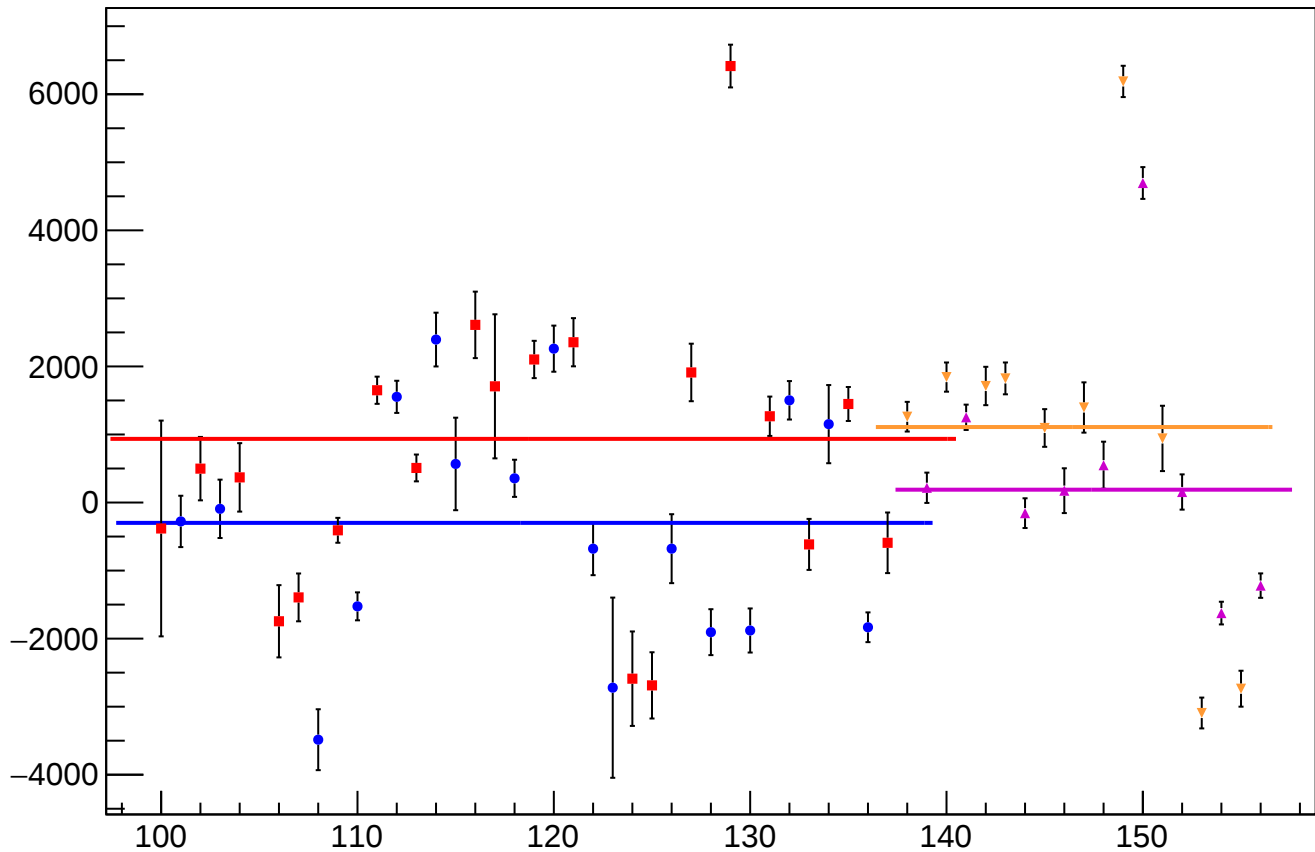
Right Out: 183.984 ± 0.052 χ^2/NDF : 1351978.1/19

Left In: 190.317 ± 0.052 χ^2/NDF : 683989.3/8

206.805 ± 0.041 χ^2/NDF : 1701298.3/26

187.128 ± 0.037 χ^2/NDF : 2043296.6/28

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 $\chi^2/\text{NDF}: 406.6/16$

Left Out: 1109.431 ± 81.368 $\chi^2/\text{NDF}: 1070.7/9$

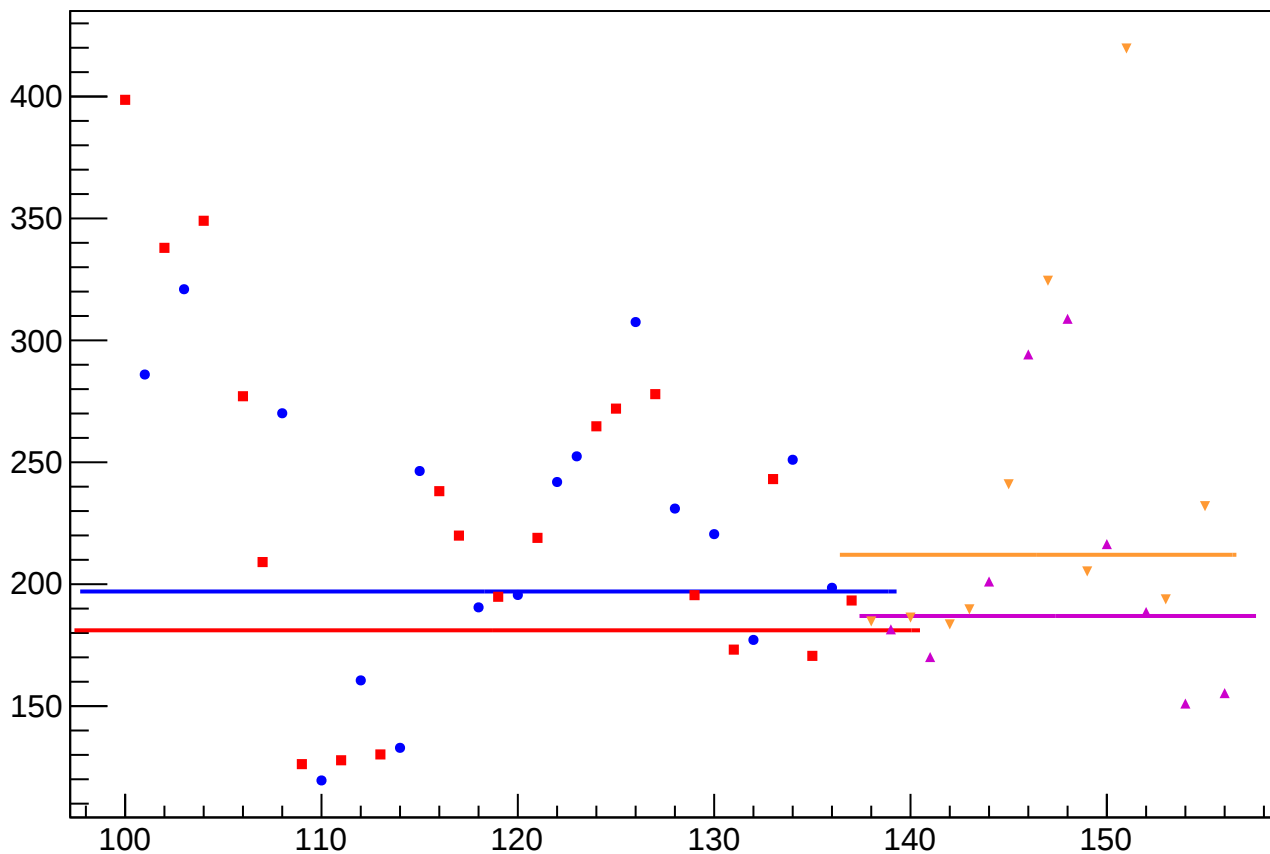
Right Out: 935.490 ± 72.580 $\chi^2/\text{NDF}: 615.3/19$

Left In: 188.696 ± 72.970 $\chi^2/\text{NDF}: 588.5/8$

394.716 ± 57.105 $\chi^2/\text{NDF}: 1629.3/26$

564.098 ± 51.459 $\chi^2/\text{NDF}: 1256.5/28$

asym_bpm0l08WS_rms vs Slug



Right In: 197.013 ± 0.057 χ^2/NDF : 911923.5/16

Left Out: 212.063 ± 0.058 χ^2/NDF : 706101.8/9

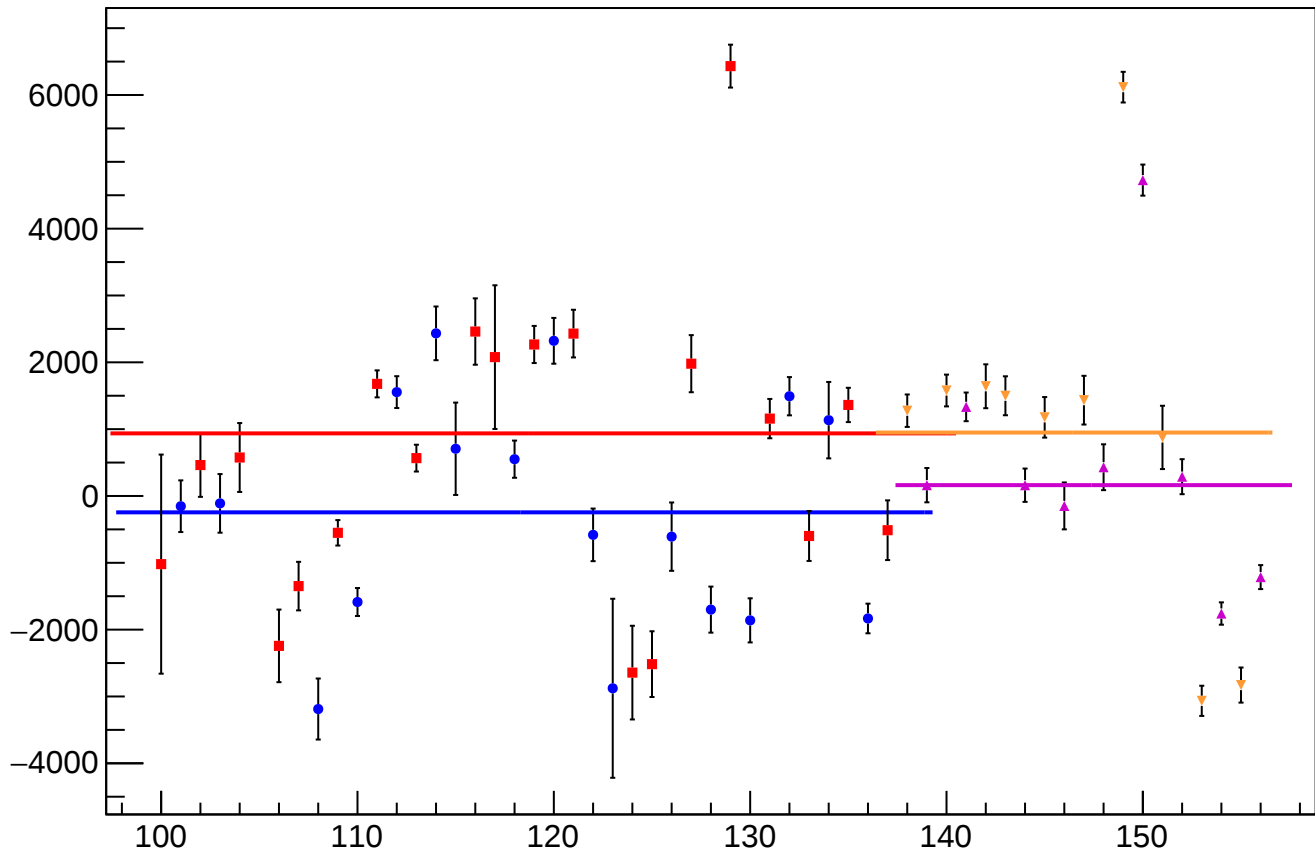
Right Out: 181.089 ± 0.051 χ^2/NDF : 1348390.5/19

Left In: 186.966 ± 0.052 χ^2/NDF : 673659.2/8

204.426 ± 0.040 χ^2/NDF : 1652744.2/26

184.012 ± 0.036 χ^2/NDF : 2028570.4/28

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 ± 81.395 χ^2/NDF : 391.4/16

Left Out: 949.233 ± 87.146 χ^2/NDF : 1050.0/9

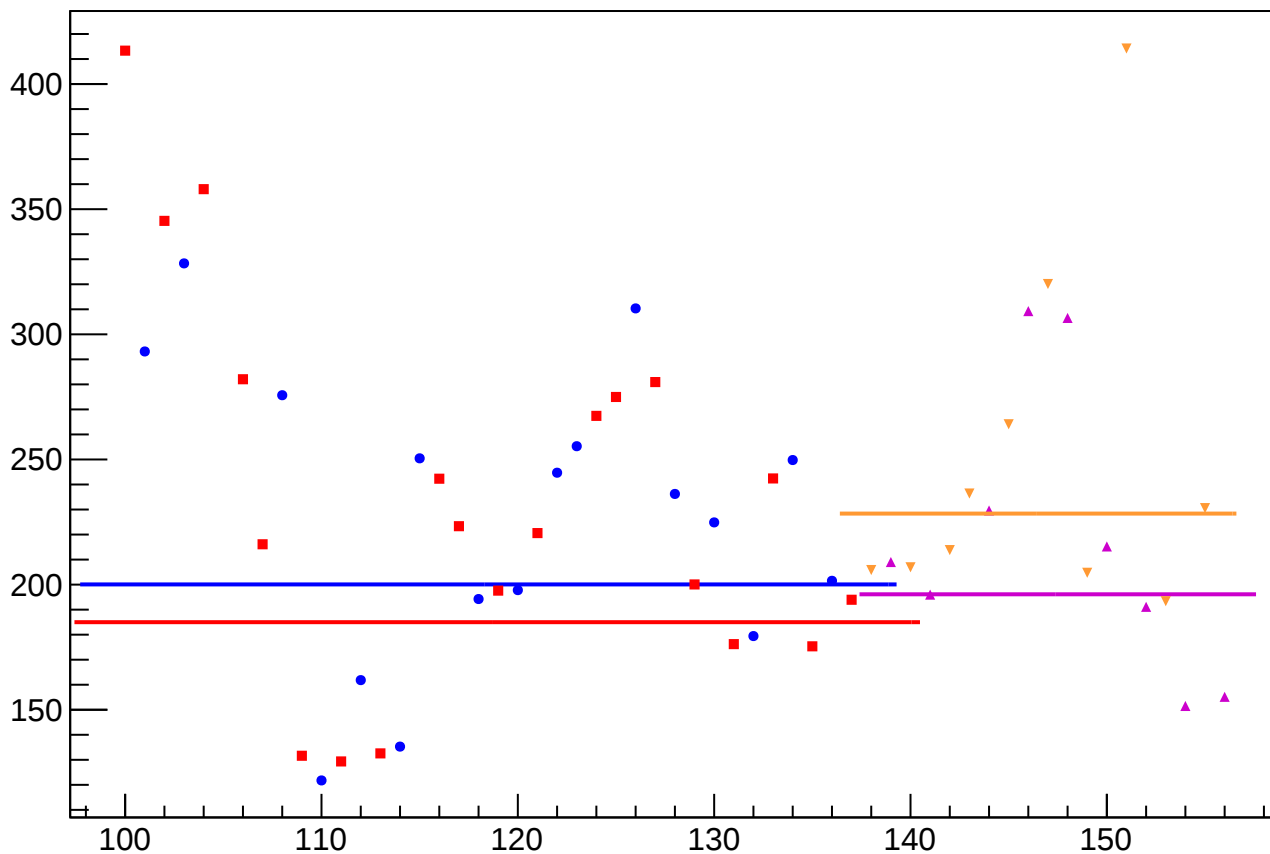
Right Out: 936.709 ± 74.030 χ^2/NDF : 610.9/19

Left In: 162.154 ± 76.779 χ^2/NDF : 608.3/8

311.451 ± 59.484 χ^2/NDF : 1541.7/26

563.546 ± 53.292 χ^2/NDF : 1271.9/28

asym_bpm0l09WS_rms vs Slug



Right In: 200.078 ± 0.058 χ^2/NDF : 918309.2/16

Left Out: 228.379 ± 0.062 χ^2/NDF : 570643.2/9

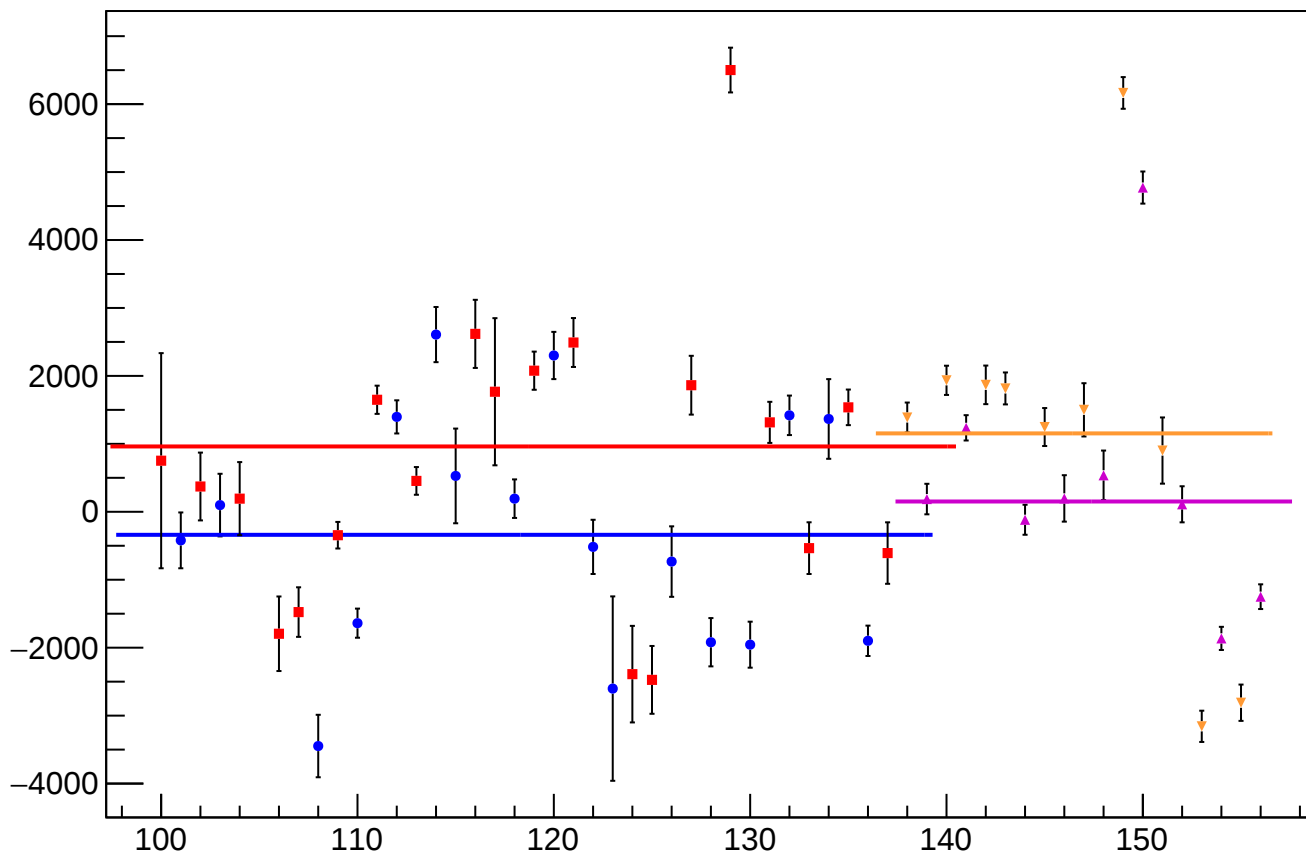
Right Out: 184.990 ± 0.052 χ^2/NDF : 1320825.4/19

Left In: 196.133 ± 0.054 χ^2/NDF : 717560.8/8

213.264 ± 0.042 χ^2/NDF : 1601604.9/26

190.359 ± 0.038 χ^2/NDF : 2060217.9/28

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 χ^2/NDF : 389.5/16

Left Out: 1153.821 ± 82.323 χ^2/NDF : 1062.6/9

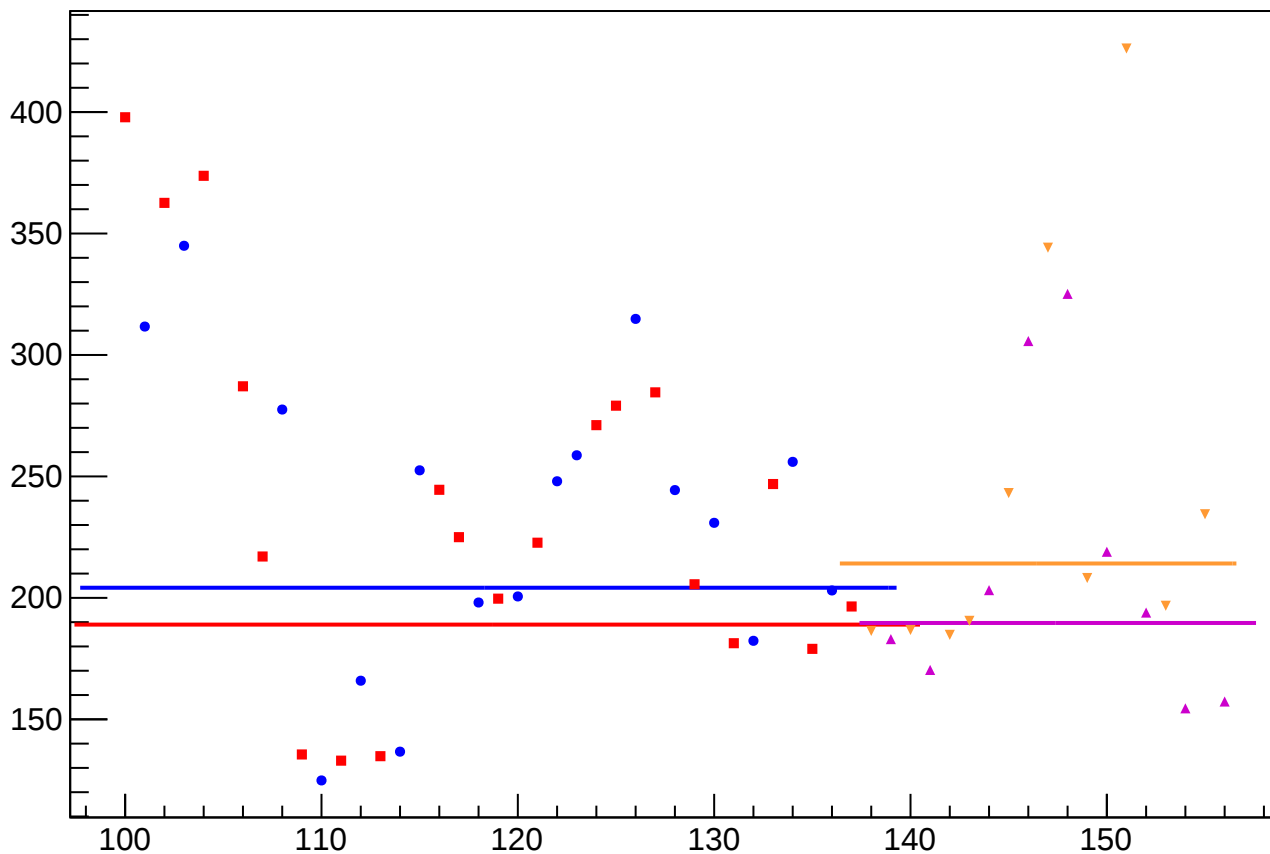
Right Out: 961.556 ± 75.564 χ^2/NDF : 570.9/19

Left In: 151.505 ± 74.116 χ^2/NDF : 618.0/8

414.644 ± 58.492 χ^2/NDF : 1614.9/26

548.697 ± 52.913 χ^2/NDF : 1247.4/28

asym_bpm0l10WS_rms vs Slug



Right In: 204.175 ± 0.059 χ^2/NDF : 947438.5/16

Left Out: 214.155 ± 0.058 χ^2/NDF : 750346.8/9

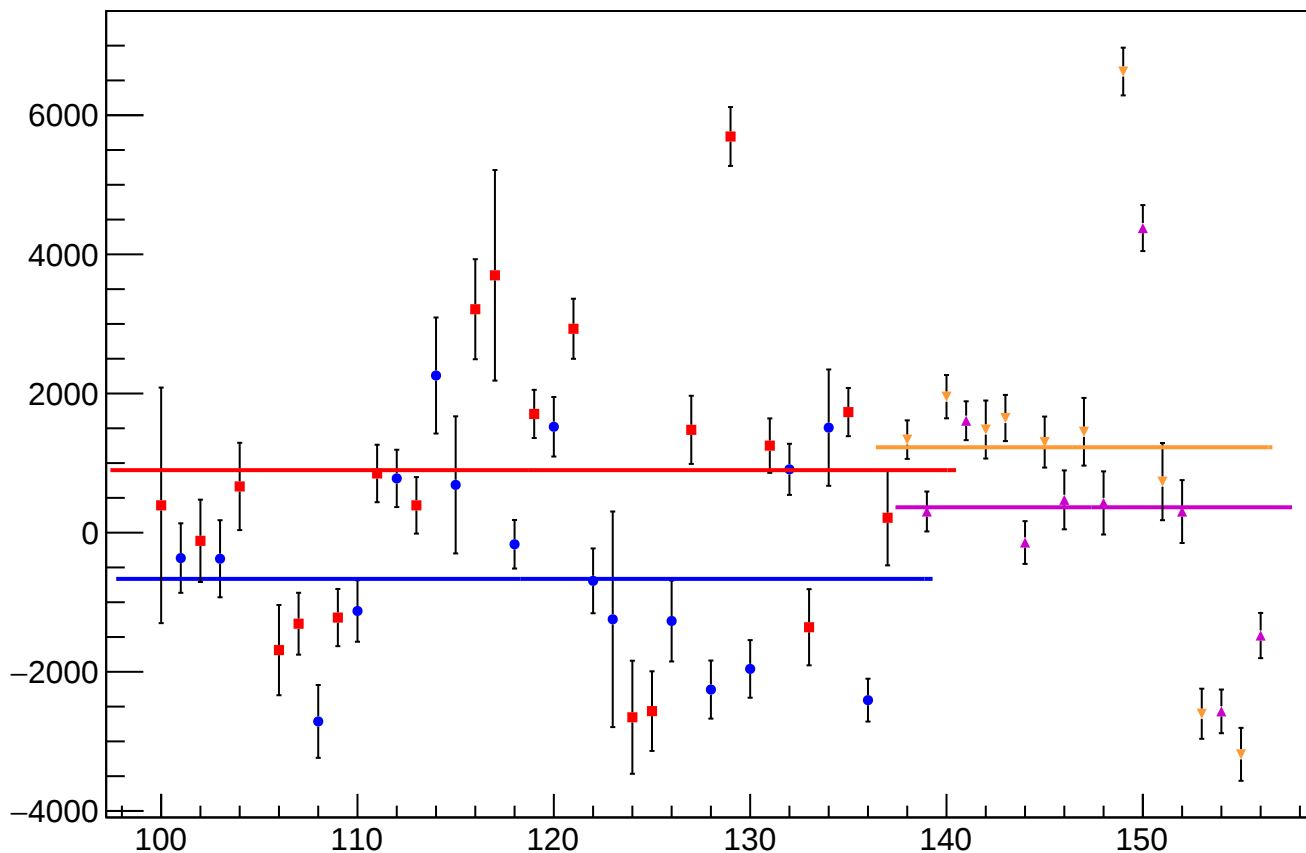
Right Out: 188.997 ± 0.053 χ^2/NDF : 1317112.1/19

Left In: 189.668 ± 0.052 χ^2/NDF : 717867.2/8

209.214 ± 0.041 χ^2/NDF : 1712341.0/26

189.339 ± 0.037 χ^2/NDF : 2035059.6/28

asym_bpm0r03WS_mean vs Slug



Right In: -664.383+/-113.949 χ^2/NDF : 154.3/16

Left Out: 1227.381+/-114.528 χ^2/NDF : 504.4/9

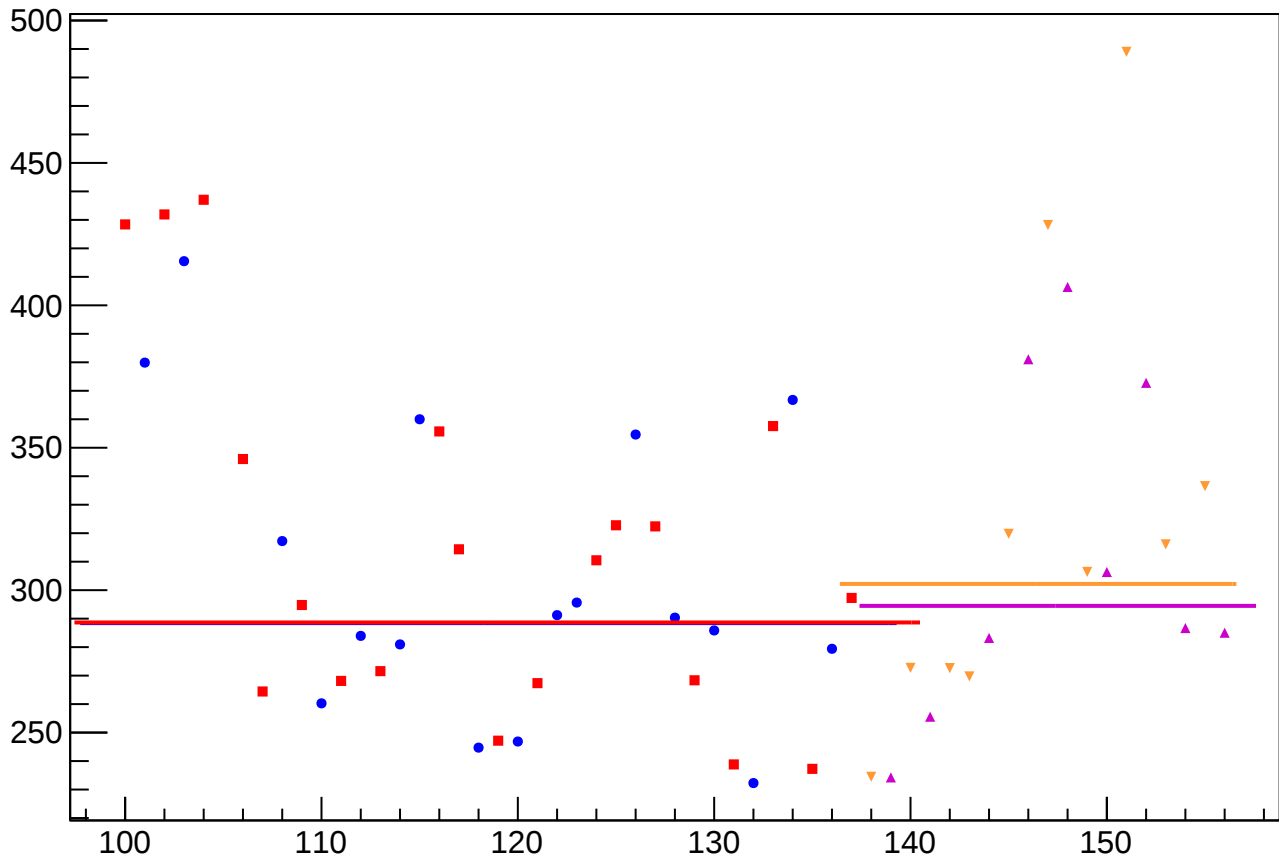
Right Out: 898.290+/-110.578 χ^2/NDF : 323.5/19

Left In: 364.643+/-112.029 χ^2/NDF : 289.6/8

276.701+/-80.778 χ^2/NDF : 795.9/26

634.945+/-78.699 χ^2/NDF : 624.6/28

asym_bpm0r03WS_rms vs Slug



Right In: 288.428+/-0.081 χ^2/NDF : 339820.0/16

Left Out: 302.189+/-0.081 χ^2/NDF : 552063.6/9

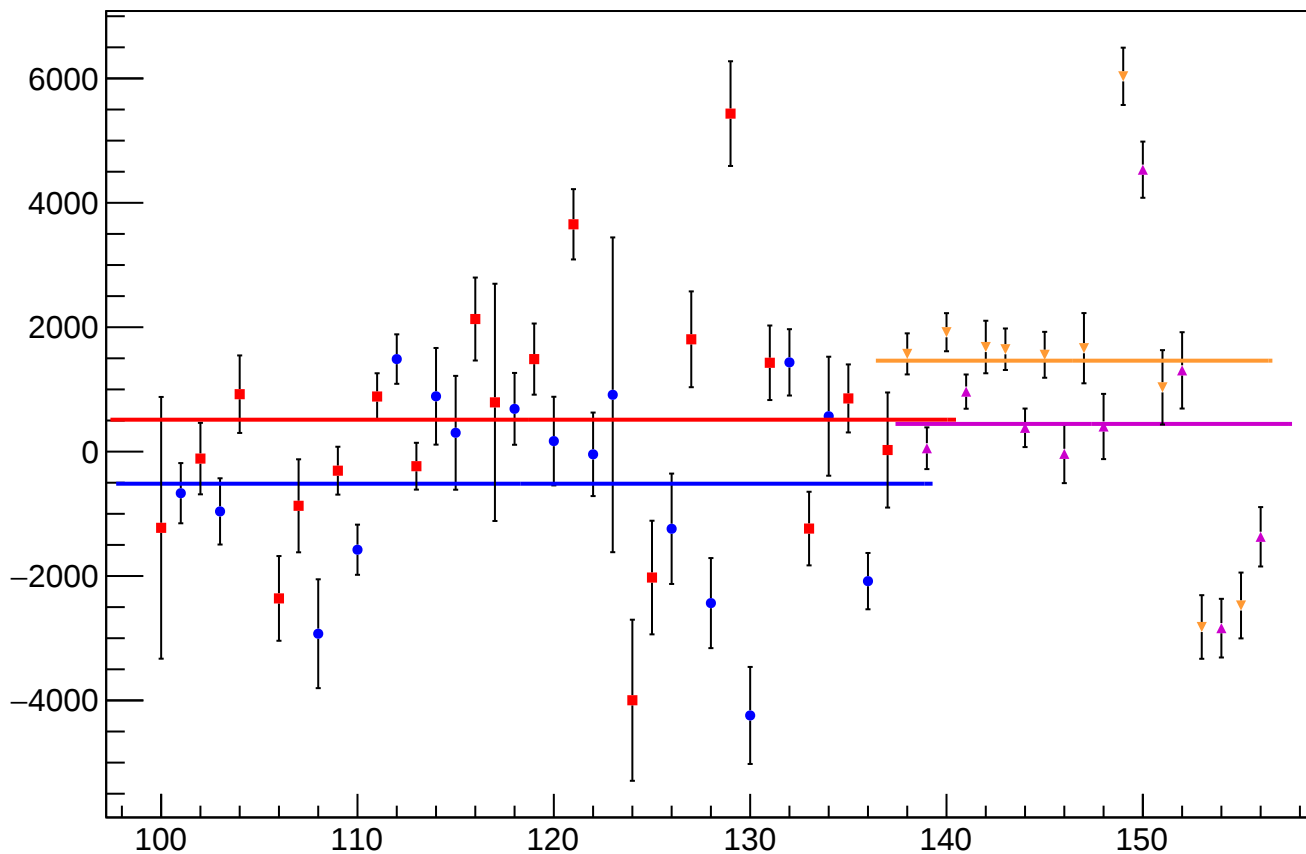
Right Out: 288.660+/-0.078 χ^2/NDF : 455989.7/19

Left In: 294.488+/-0.079 χ^2/NDF : 400725.8/8

295.274+/-0.057 χ^2/NDF : 906394.0/26

291.536+/-0.056 χ^2/NDF : 859456.7/28

asym_bpm0r05WS_mean vs Slug



Right In: -515.894+/-147.326 χ^2/NDF : 108.0/16

Left Out: 1462.221+/-129.303 χ^2/NDF : 227.5/9

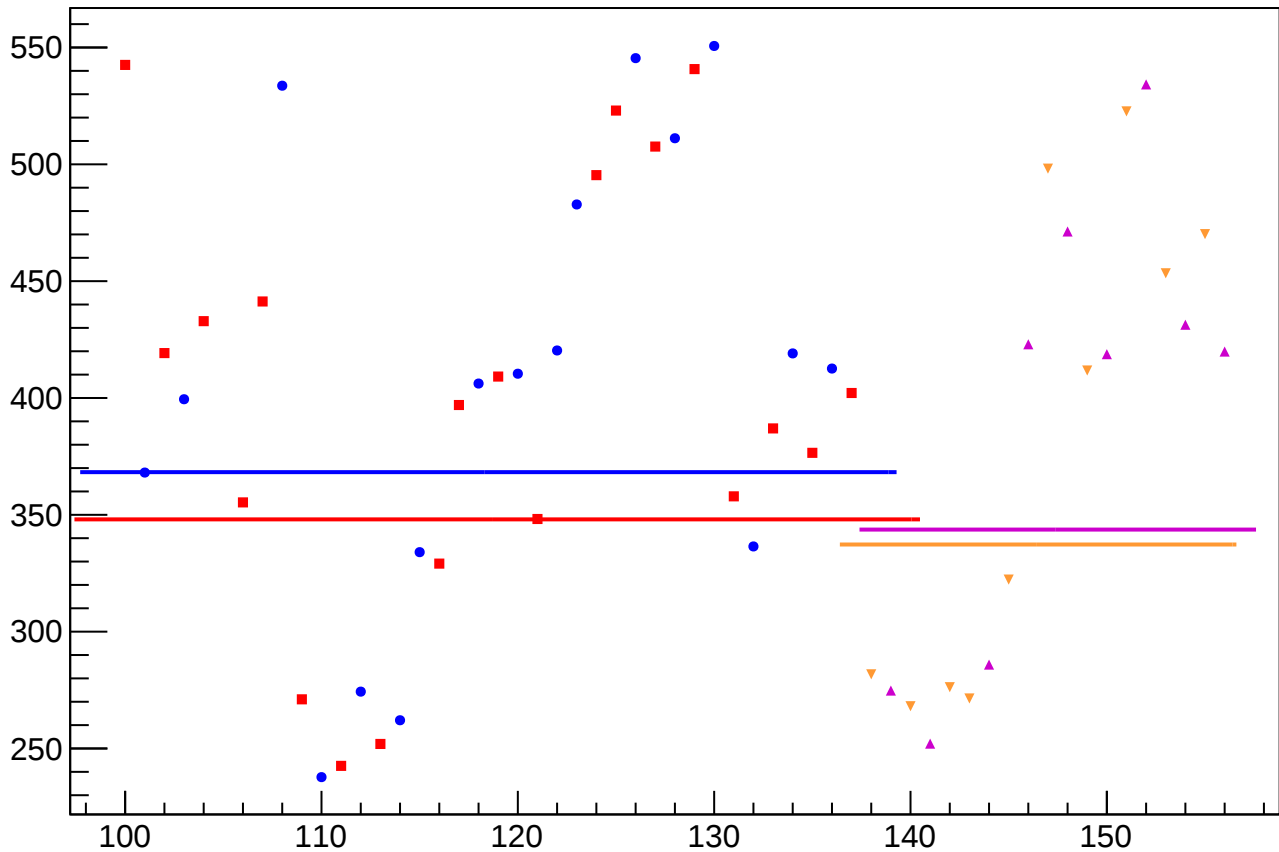
Right Out: 513.264+/-135.456 χ^2/NDF : 141.3/19

Left In: 445.322+/-132.325 χ^2/NDF : 152.8/8

601.497+/-97.182 χ^2/NDF : 437.4/26

478.499+/-94.655 χ^2/NDF : 294.2/28

asym_bpm0r05WS_rms vs Slug



Right In: 368.264+/-0.104 χ^2/NDF : 770116.6/16

Left Out: 337.297+/-0.091 χ^2/NDF : 917796.1/9

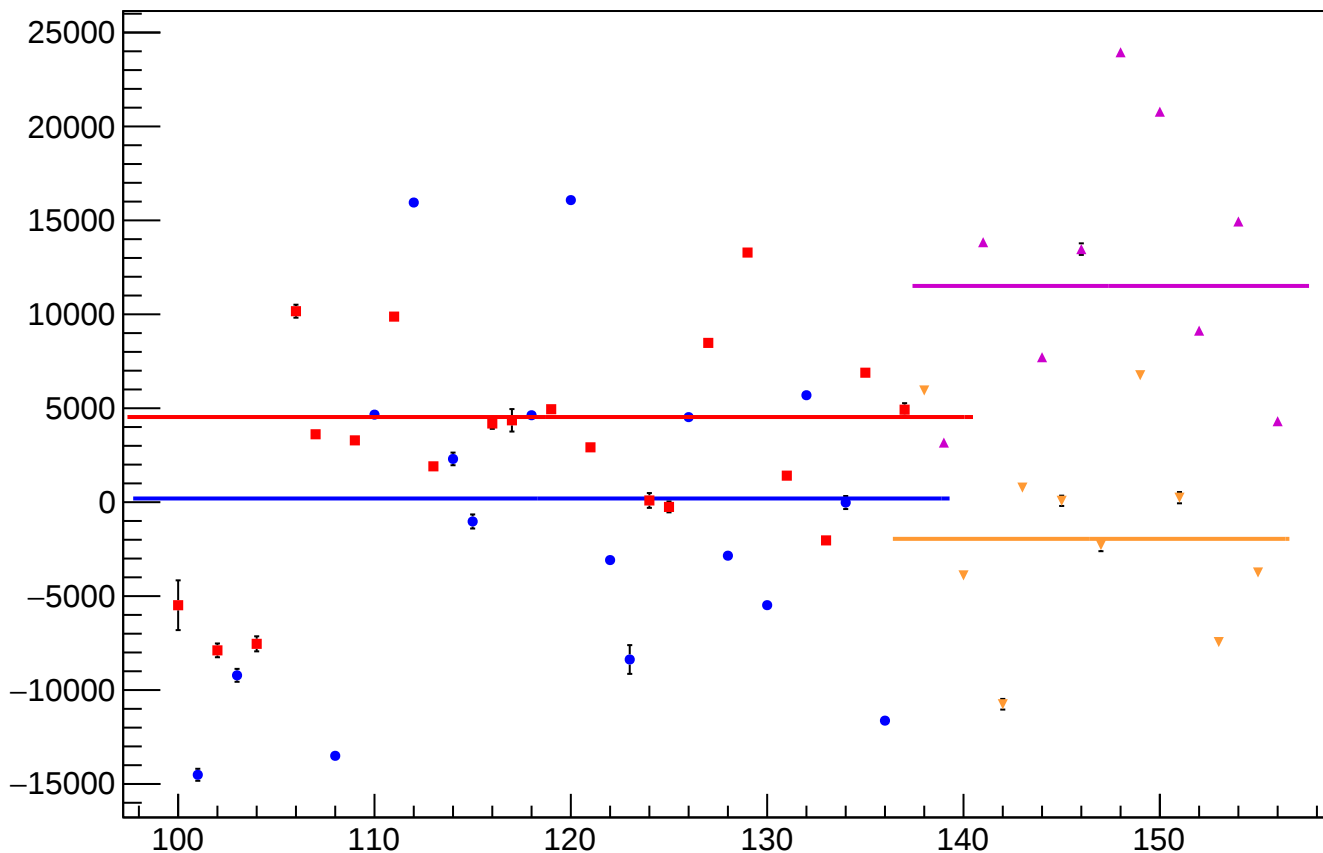
Right Out: 348.050+/-0.096 χ^2/NDF : 823186.4/19

Left In: 343.685+/-0.094 χ^2/NDF : 918885.0/8

350.771+/-0.069 χ^2/NDF : 1737828.6/26

345.817+/-0.067 χ^2/NDF : 1743134.2/28

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 $\pm$ 54.799 χ^2 /NDF: 30658.3/16

Left Out: -1951.739 $\pm$ 68.145 χ^2 /NDF: 5892.2/9

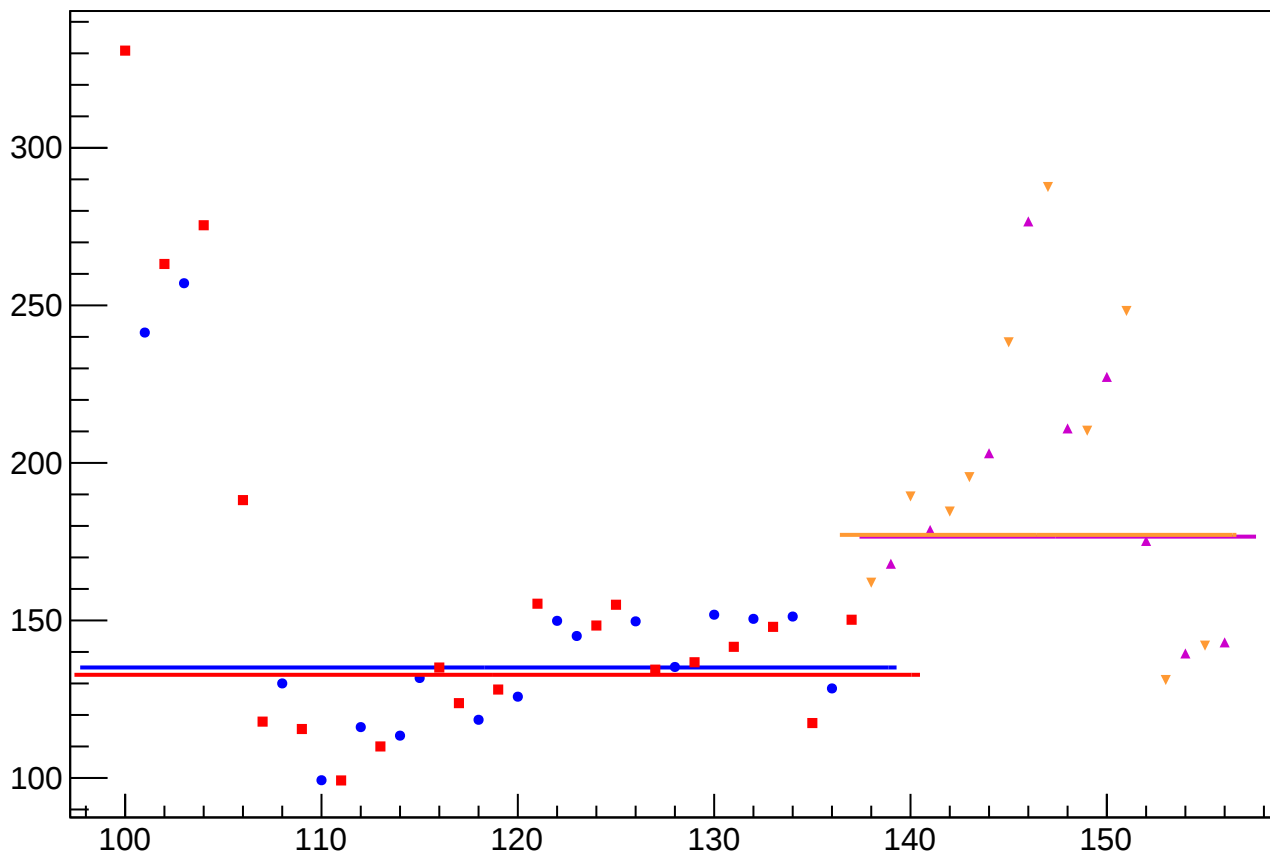
Right Out: 4532.856 $\pm$ 52.261 χ^2 /NDF: 7477.3/19

Left In: 11511.073 $\pm$ 68.481 χ^2 /NDF: 8711.5/8

-646.812 $\pm$ 42.704 χ^2 /NDF: 37154.3/26

7101.165 $\pm$ 41.545 χ^2 /NDF: 22750.8/28

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 177.165 $\pm$ 0.048 χ^2 /NDF: 802890.2/9

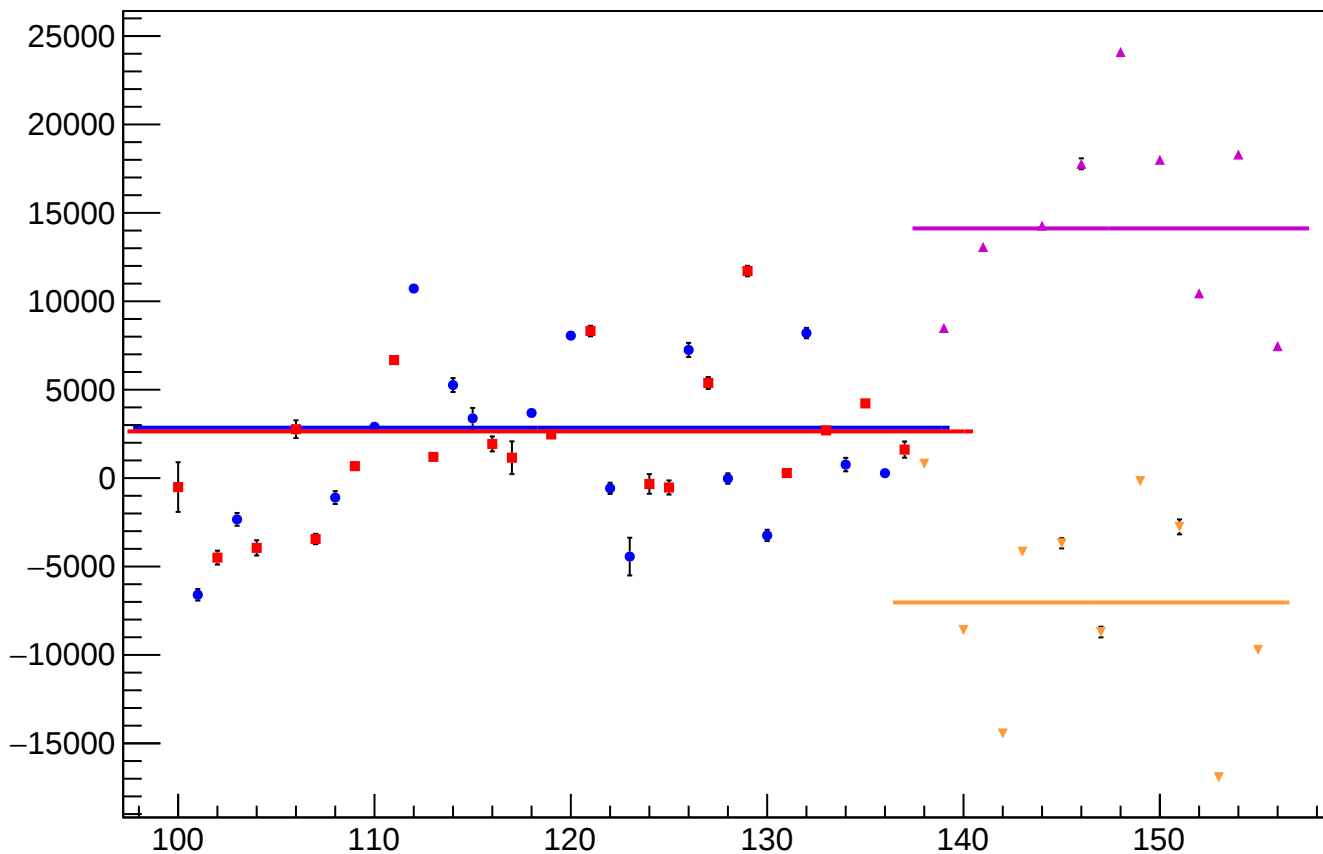
Right Out: 132.747 $\pm$ 0.037 χ^2 /NDF: 831647.2/19

Left In: 176.599 $\pm$ 0.048 χ^2 /NDF: 572586.4/8

151.602 $\pm$ 0.030 χ^2 /NDF: 1925015.0/26

148.887 $\pm$ 0.029 χ^2 /NDF: 1922508.6/28

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -7033.880+/-76.726 χ^2/NDF : 6286.1/9

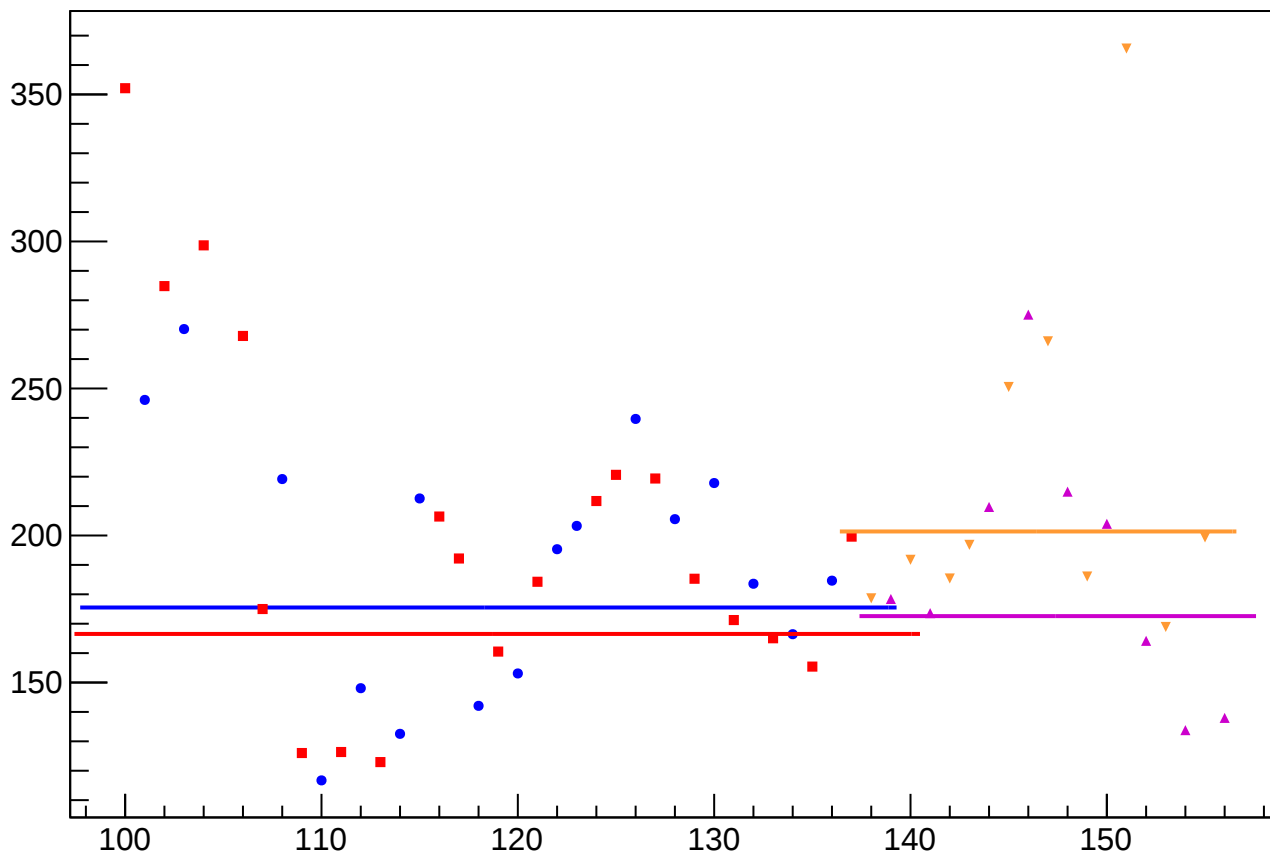
Right Out: 2641.642+/-65.566 χ^2/NDF : 3178.3/19

Left In: 14121.080+/-67.279 χ^2/NDF : 5628.1/8

-1691.532+/-52.014 χ^2/NDF : 19435.1/26

8233.361+/-46.956 χ^2/NDF : 23738.3/28

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 ± 0.050 χ^2/NDF : 689642.3/16

Left Out: 201.372 ± 0.054 χ^2/NDF : 552342.0/9

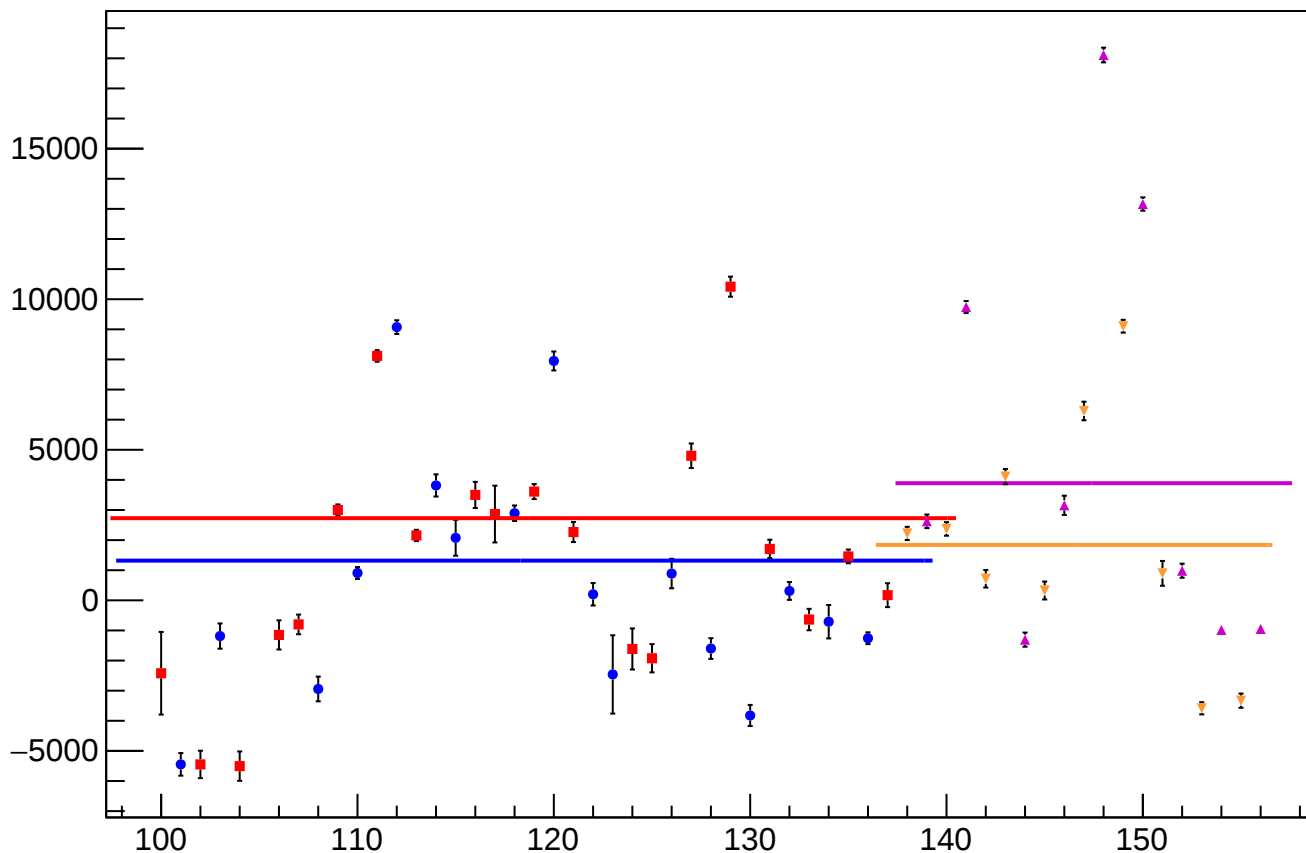
Right Out: 166.522 ± 0.046 χ^2/NDF : 931079.9/19

Left In: 172.584 ± 0.048 χ^2/NDF : 614224.9/8

187.398 ± 0.037 χ^2/NDF : 1364751.5/26

169.475 ± 0.033 χ^2/NDF : 1553631.3/28

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1840.779+/-79.158 χ^2/NDF : 2699.1/9

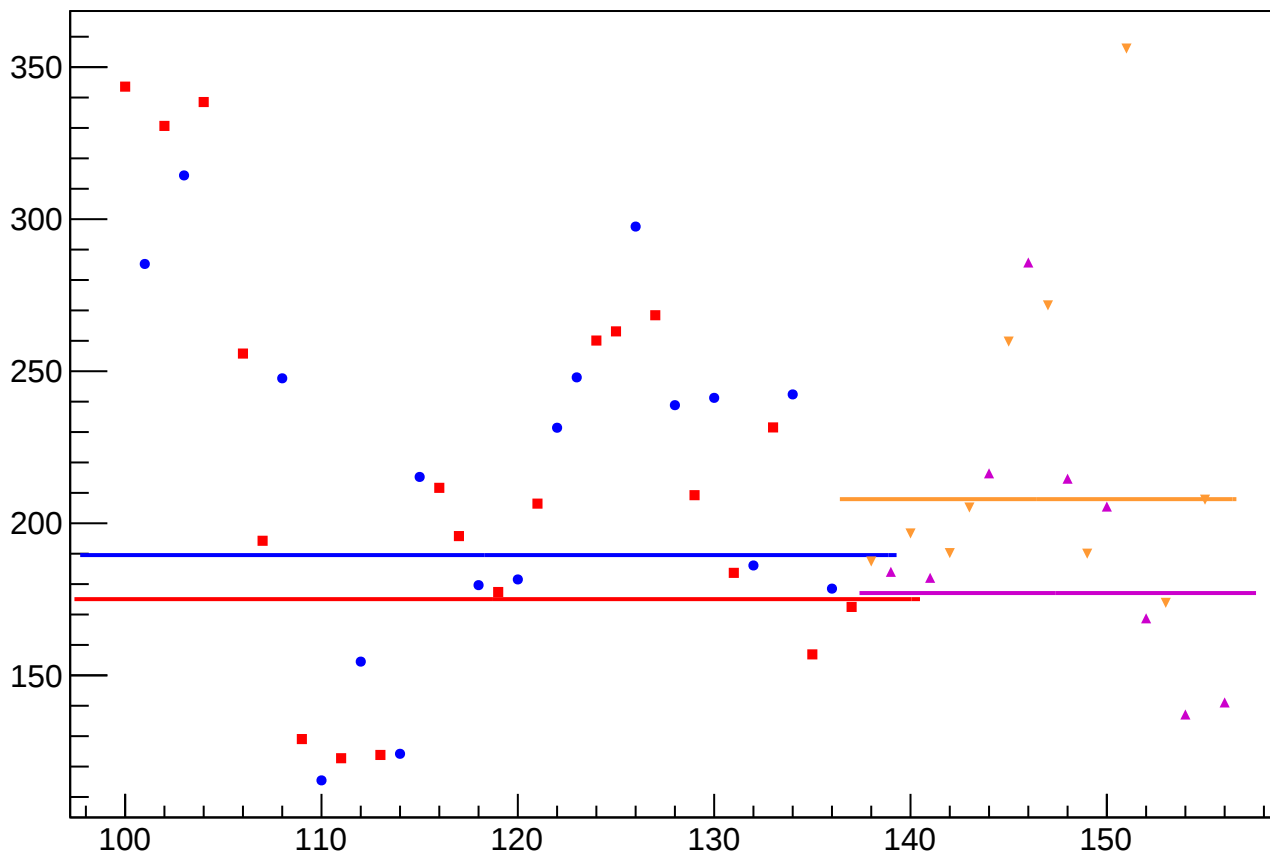
Right Out: 2728.550+/-69.837 χ^2/NDF : 2495.9/19

Left In: 3890.894+/-69.071 χ^2/NDF : 8606.0/8

1573.177+/-55.248 χ^2/NDF : 5388.4/26

3316.129+/-49.109 χ^2/NDF : 11242.0/28

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 ± 0.055 χ^2/NDF : 980744.6/16

Left Out: 207.938 ± 0.056 χ^2/NDF : 504746.9/9

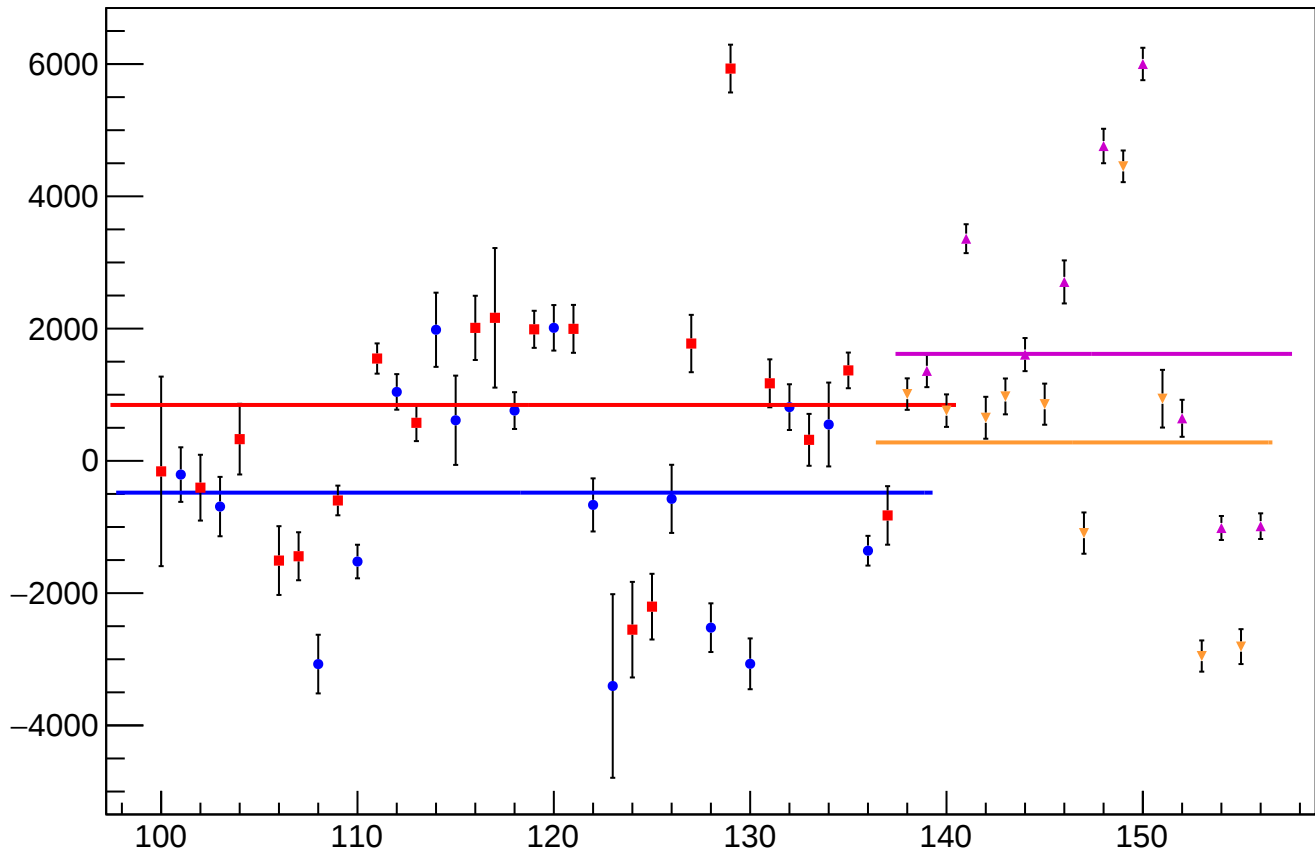
Right Out: 175.058 ± 0.049 χ^2/NDF : 1298079.7/19

Left In: 177.060 ± 0.049 χ^2/NDF : 610438.7/8

198.505 ± 0.039 χ^2/NDF : 1540875.4/26

176.070 ± 0.035 χ^2/NDF : 1909349.4/28

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 278.763 ± 86.580 χ^2/NDF : 674.8/9

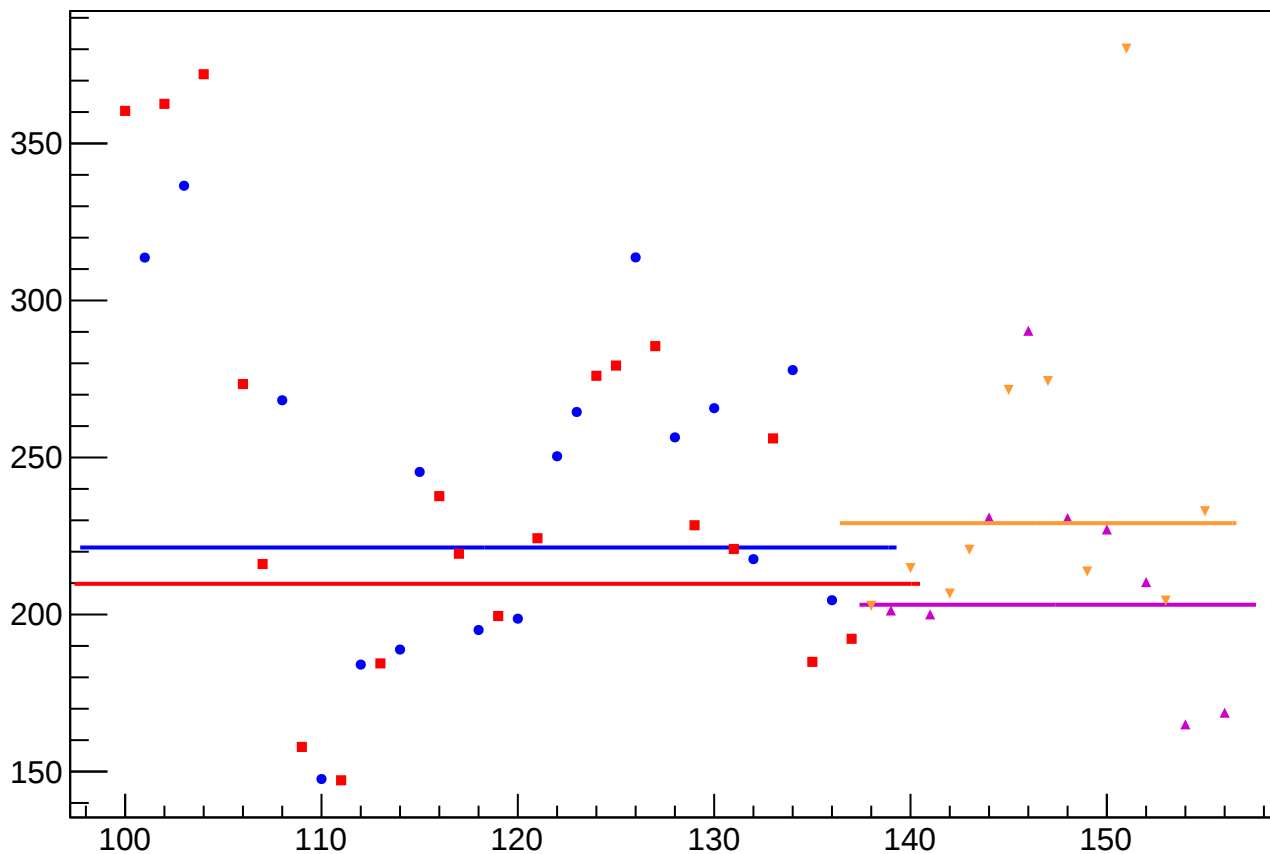
Right Out: 845.444 ± 81.995 χ^2/NDF : 436.9/19

Left In: 1617.695 ± 78.086 χ^2/NDF : 944.8/8

-91.982 ± 61.937 χ^2/NDF : 1003.1/26

1250.412 ± 56.547 χ^2/NDF : 1428.2/28

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 ± 0.063 χ^2/NDF : 645688.1/16

Left Out: 229.101 ± 0.061 χ^2/NDF : 392815.3/9

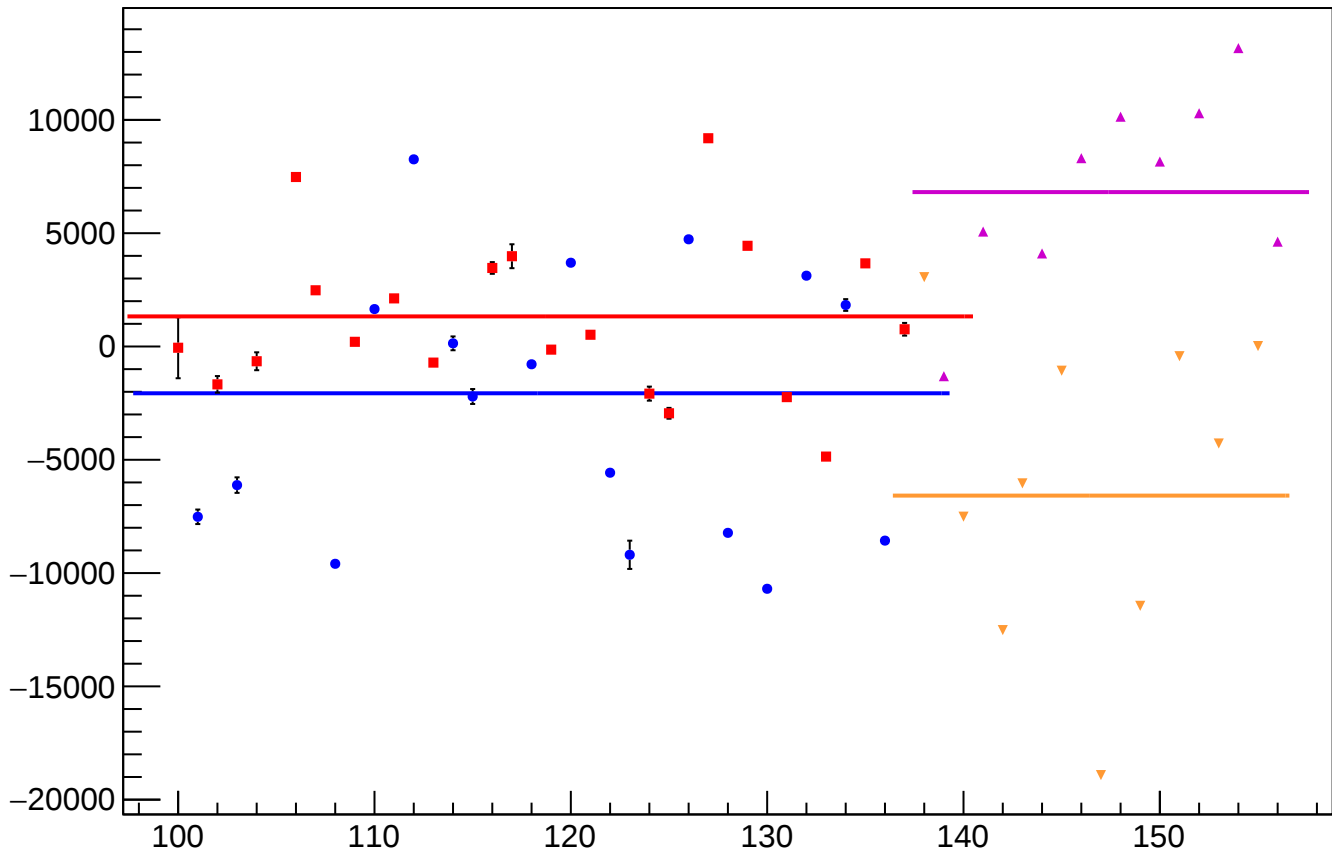
Right Out: 209.775 ± 0.058 χ^2/NDF : 884083.7/19

Left In: 203.117 ± 0.055 χ^2/NDF : 362834.7/8

225.313 ± 0.044 χ^2/NDF : 1046345.8/26

206.283 ± 0.040 χ^2/NDF : 1253834.1/28

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -6580.968 ± 42.807 $\chi^2/\text{NDF}: 24423.2/9$

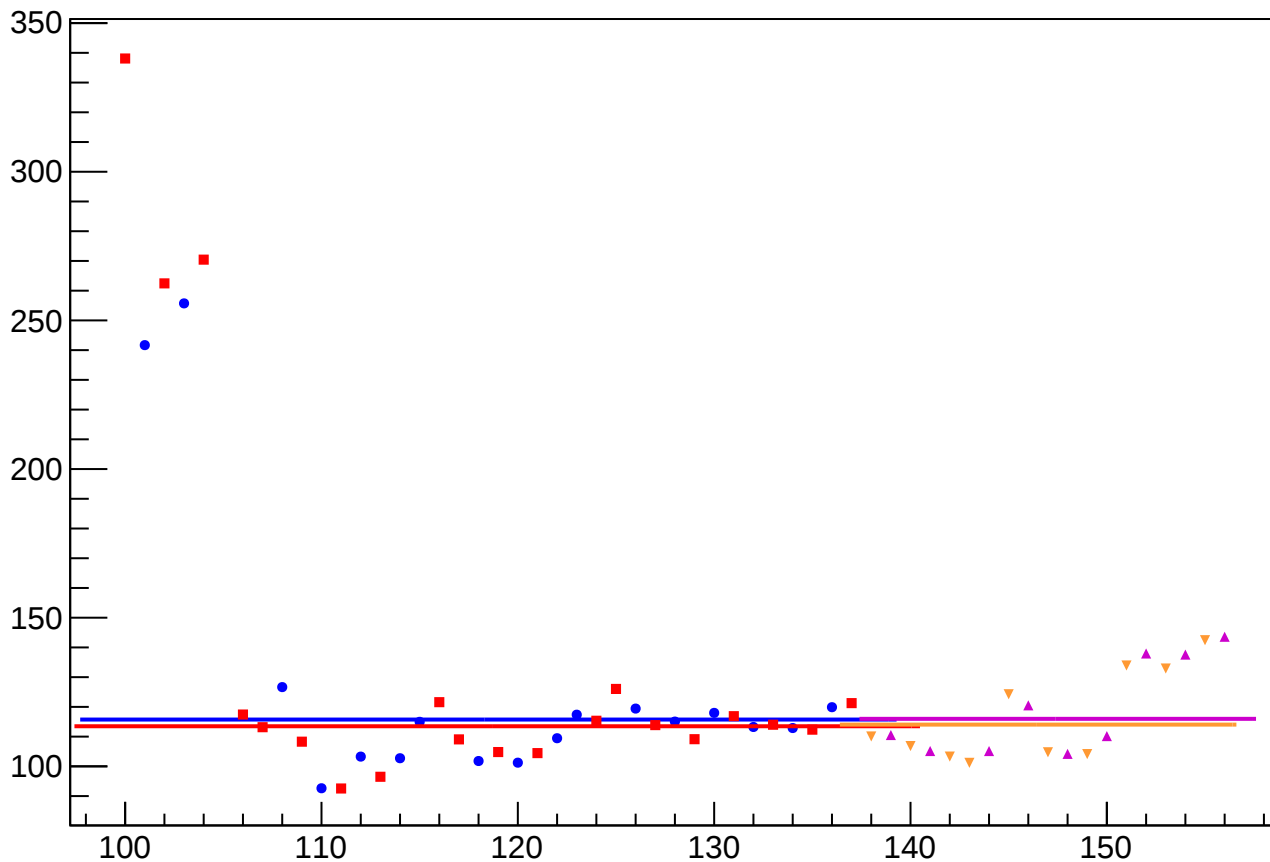
Right Out: 1327.819 ± 44.838 $\chi^2/\text{NDF}: 5919.9/19$

Left In: 6814.091 ± 43.595 $\chi^2/\text{NDF}: 7831.2/8$

-4548.743 ± 31.745 $\chi^2/\text{NDF}: 45964.8/26$

4148.051 ± 31.257 $\chi^2/\text{NDF}: 21447.1/28$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 114.038+/-0.030 χ^2/NDF : 204615.6/9

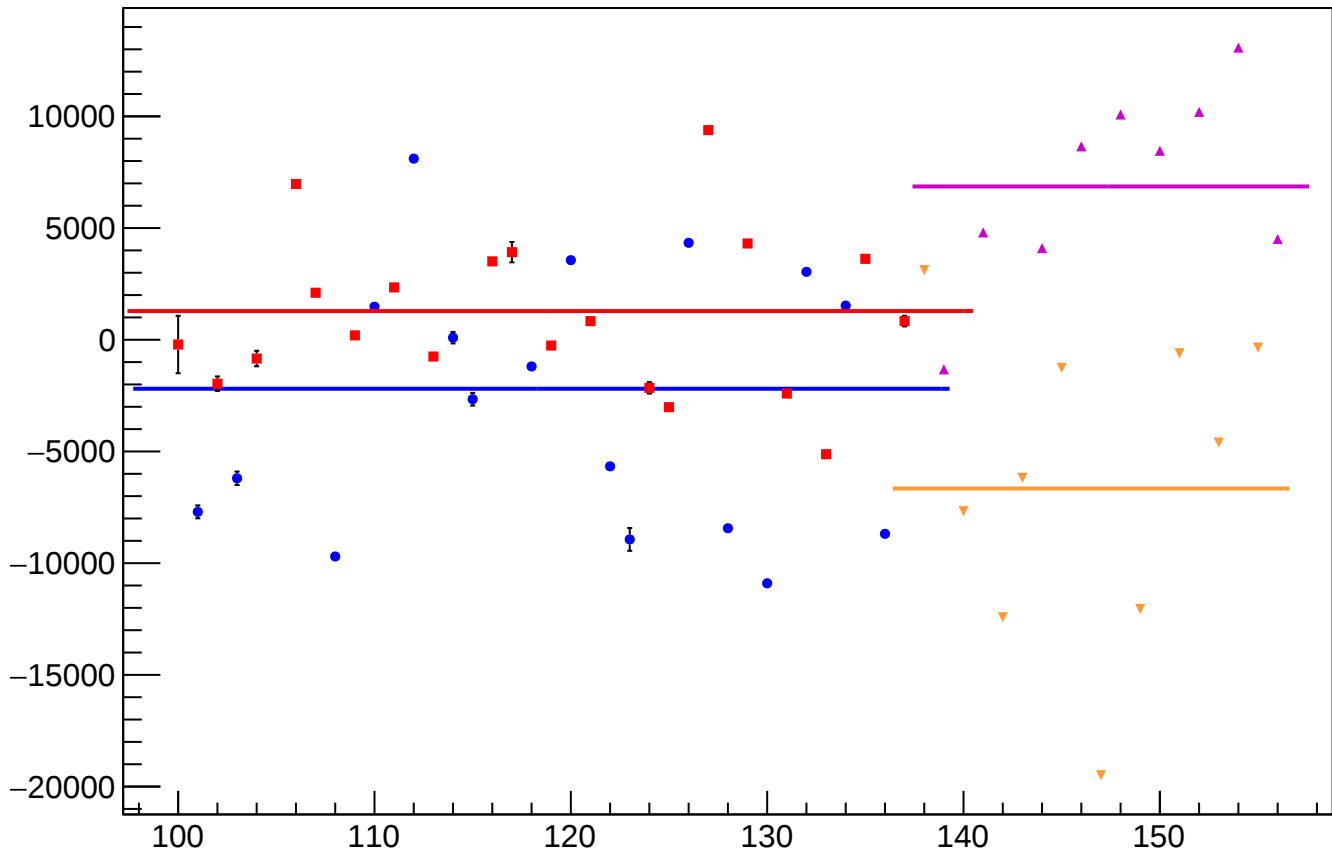
Right Out: 113.487+/-0.032 χ^2/NDF : 796781.7/19

Left In: 115.980+/-0.031 χ^2/NDF : 205640.4/8

114.804+/-0.022 χ^2/NDF : 950057.3/26

114.768+/-0.022 χ^2/NDF : 1005600.2/28

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327 $\pm$ 39.944 χ^2 /NDF: 22813.5/16

Left Out: -6657.724 $\pm$ 39.015 χ^2 /NDF:29499.0/9

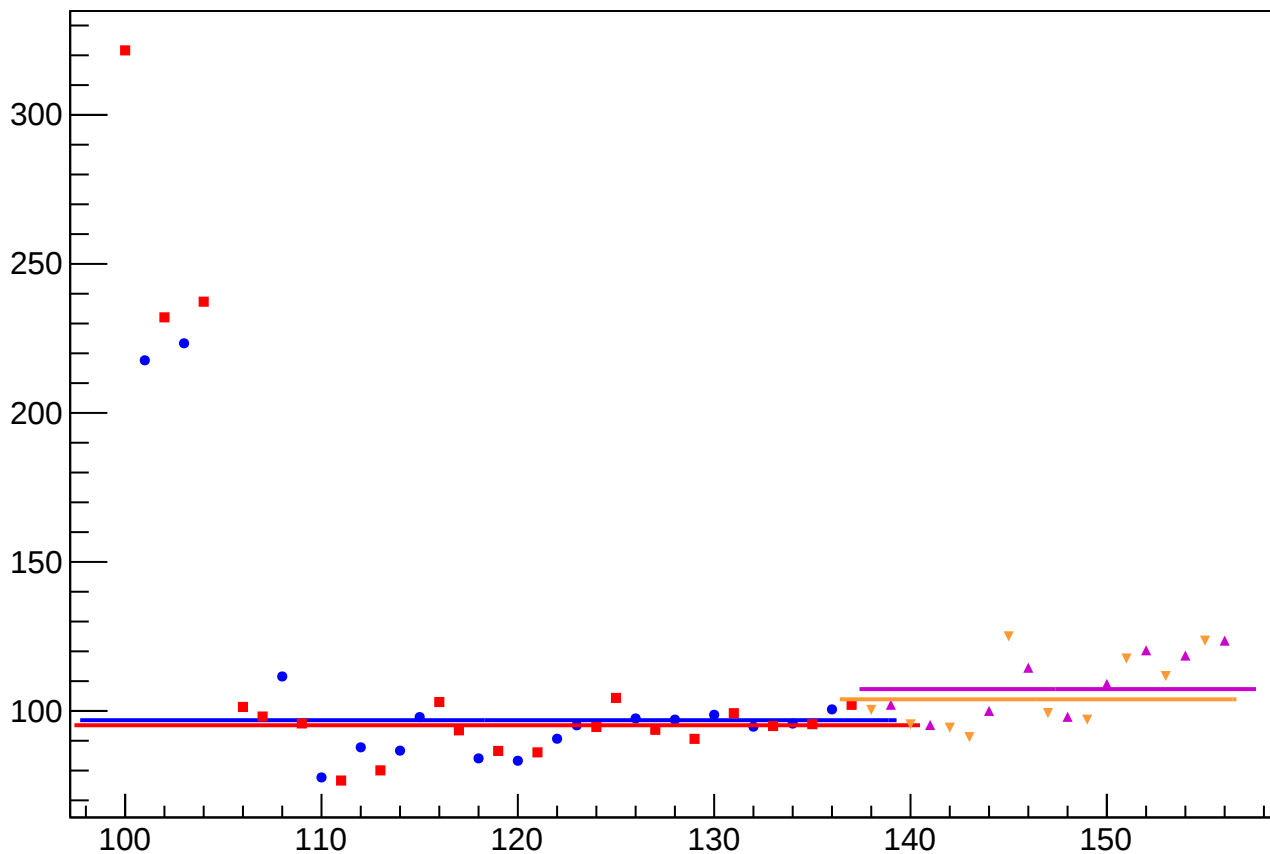
Right Out: 1284.692 $\pm$ 37.915 χ^2 /NDF: 8584.4/19

Left In: 6861.736 $\pm$ 40.270 χ^2 /NDF:9611.8/8

-4477.542 $\pm$ 27.910 χ^2 /NDF: 58708.2/26

3905.401 $\pm$ 27.605 χ^2 /NDF: 28363.2/28

asym_bpm1i04WS_rms vs Slug



Right In: 96.894 ± 0.028 χ^2/NDF : 817229.9/16

Left Out: 103.912 ± 0.028 χ^2/NDF : 169391.9/9

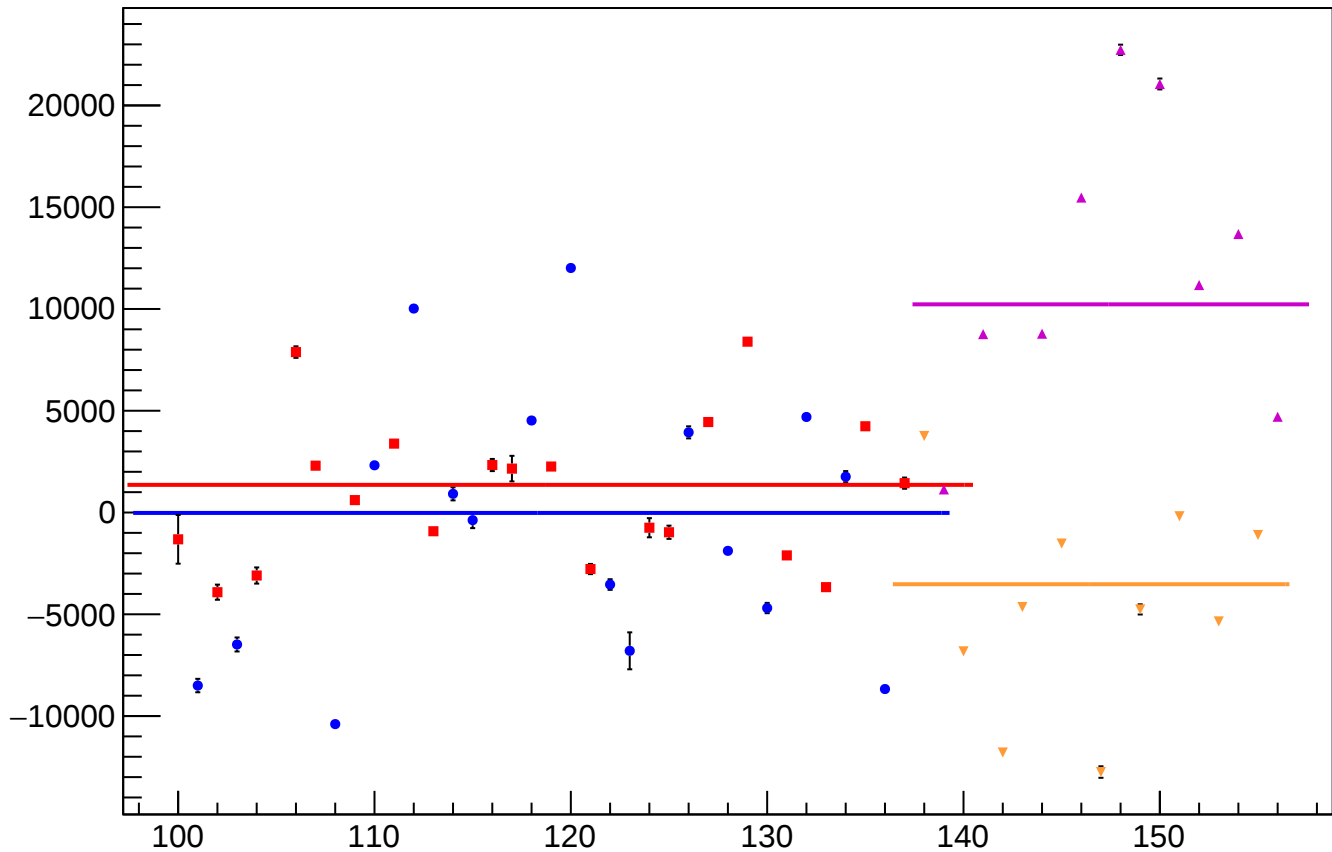
Right Out: 95.201 ± 0.027 χ^2/NDF : 859838.2/19

Left In: 107.331 ± 0.028 χ^2/NDF : 120424.7/8

100.485 ± 0.020 χ^2/NDF : 1018216.7/26

100.901 ± 0.020 χ^2/NDF : 1076442.5/28

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 $\chi^2/\text{NDF}: 16361.0/16$

Left Out: -3523.566 ± 59.608 $\chi^2/\text{NDF}: 5632.0/9$

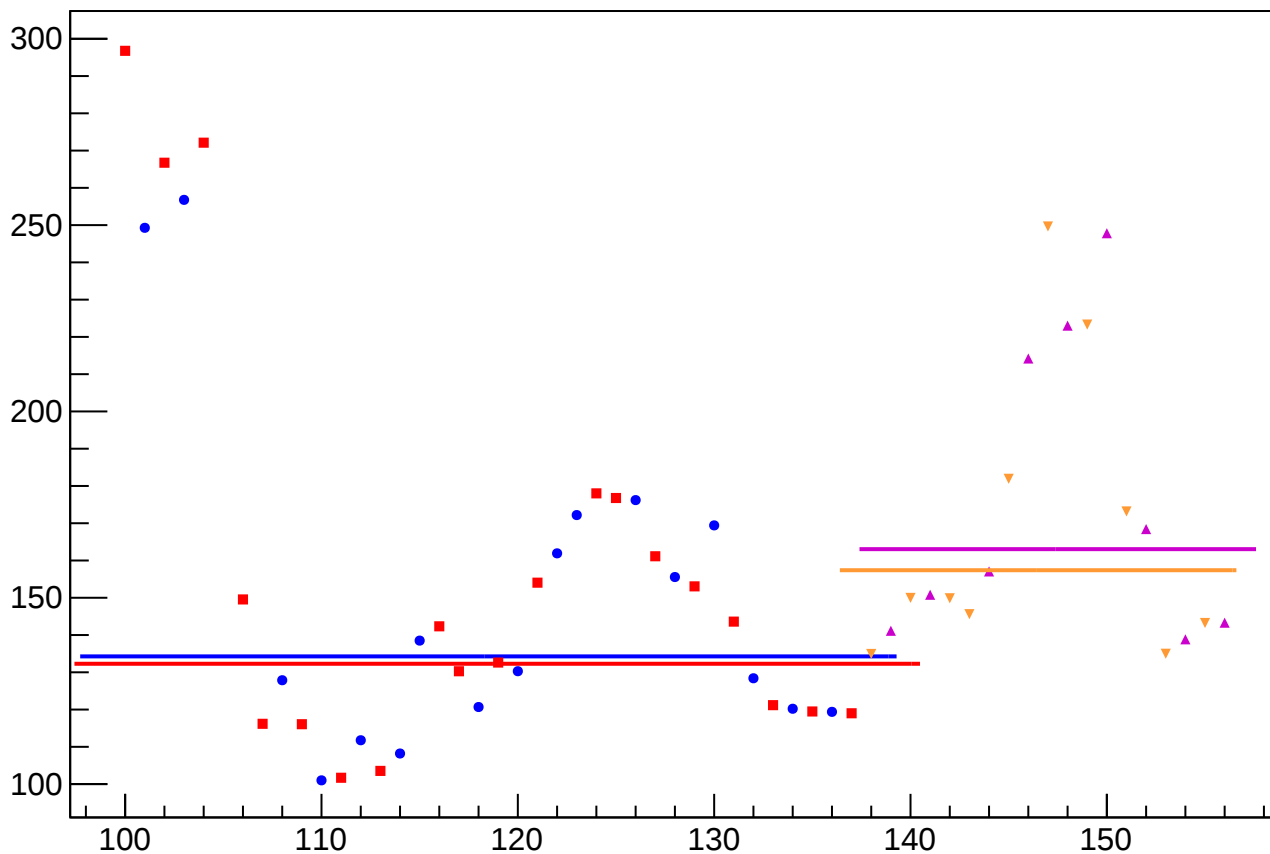
Right Out: 1359.001 ± 52.186 $\chi^2/\text{NDF}: 3838.8/19$

Left In: 10227.725 ± 62.145 $\chi^2/\text{NDF}: 9121.4/8$

-1619.813 ± 40.280 $\chi^2/\text{NDF}: 23870.2/26$

5026.610 ± 39.964 $\chi^2/\text{NDF}: 24903.9/28$

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 ± 0.039 χ^2/NDF : 788647.0/16

Left Out: 157.392 ± 0.042 χ^2/NDF : 505349.3/9

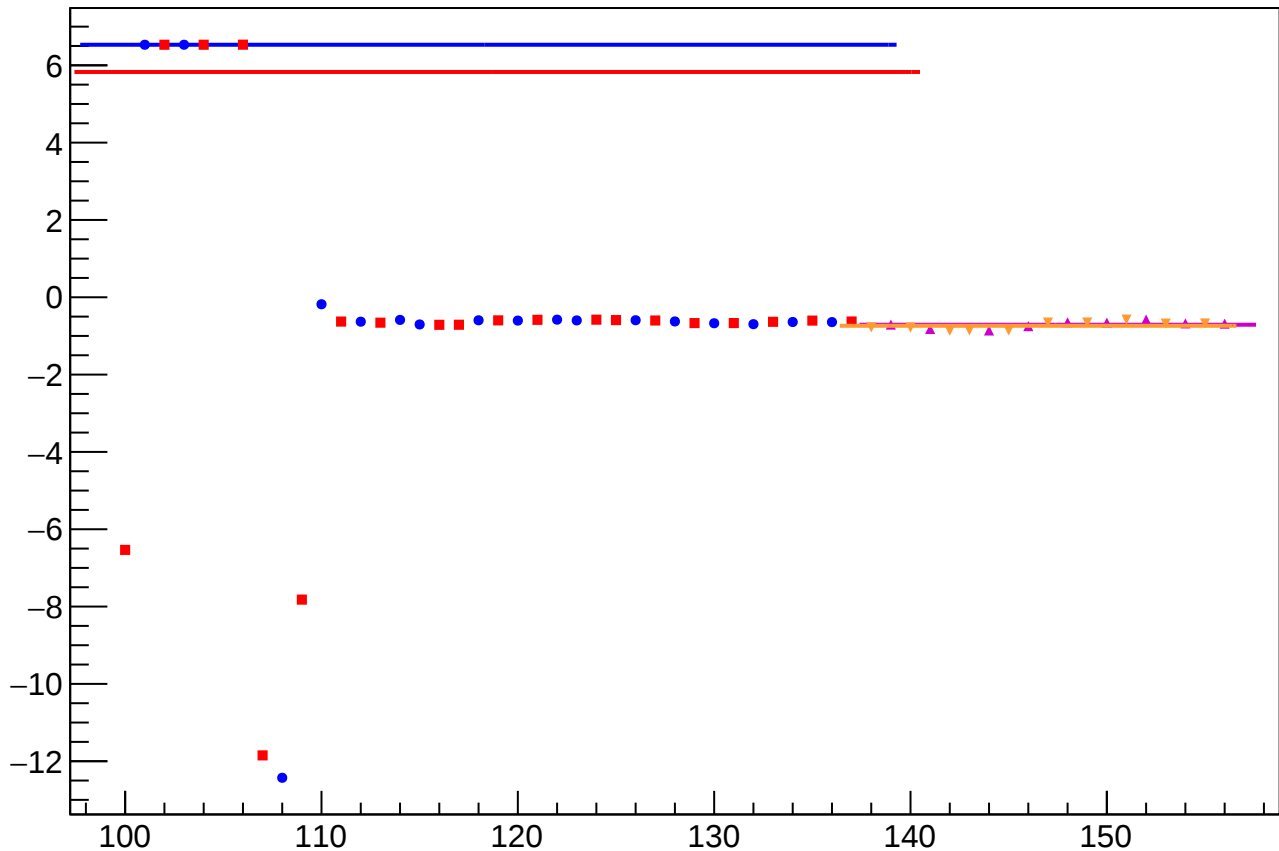
Right Out: 132.288 ± 0.037 χ^2/NDF : 869913.4/19

Left In: 163.046 ± 0.044 χ^2/NDF : 532033.8/8

144.827 ± 0.028 χ^2/NDF : 1457541.5/26

145.008 ± 0.028 χ^2/NDF : 1689269.1/28

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127906780672.7/16

Left Out: -0.737 $\pm$ 0.000 χ^2 /NDF: 69227546.5/9

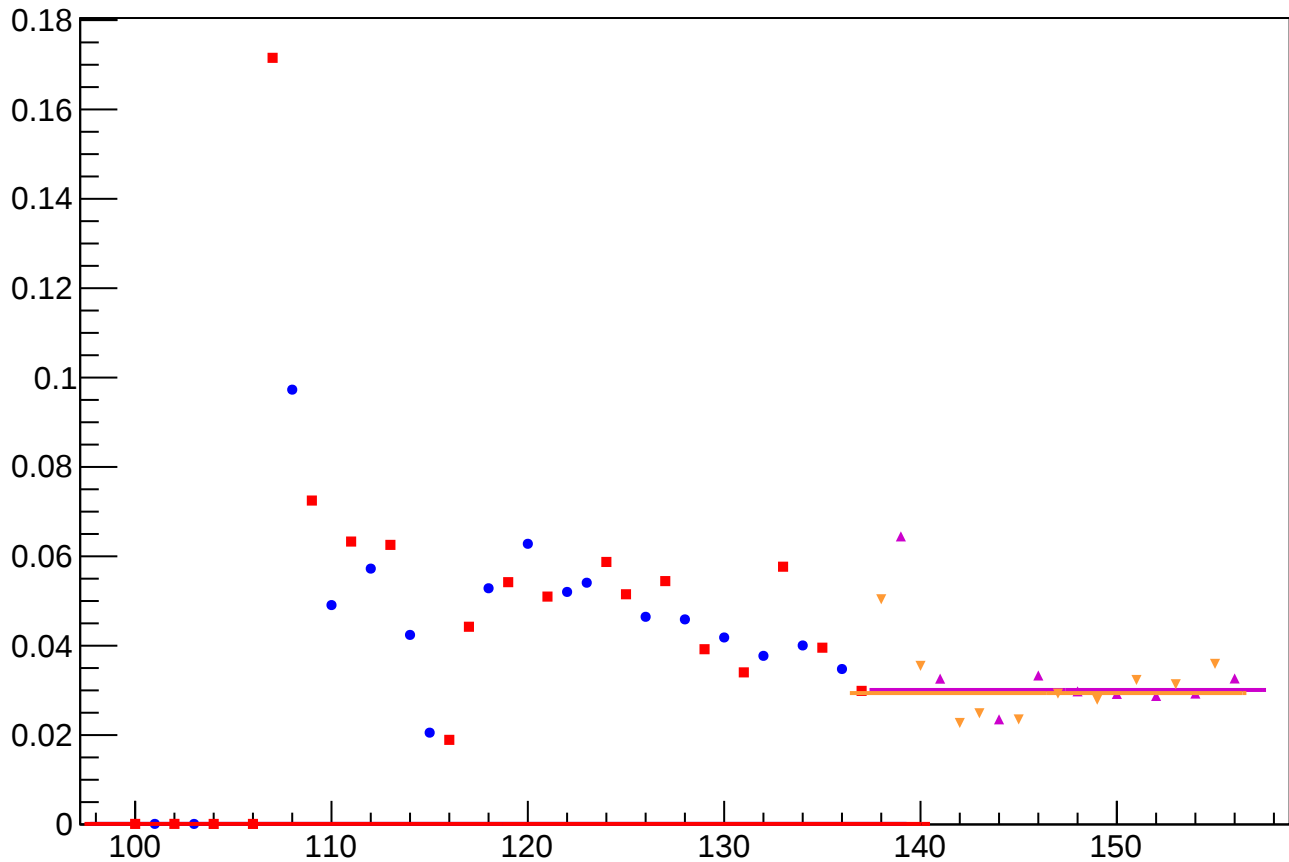
6.531 $\pm$ 0.000 χ^2 /NDF: 471739235997.2/26

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755949520765363.8/19

5.827 $\pm$ 0.000 χ^2 /NDF: 756217735113515.9/28

Left In: -0.710 $\pm$ 0.000 χ^2 /NDF: 54070232.5/8

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.029+/-0.000 χ^2/NDF : 459272.2/9

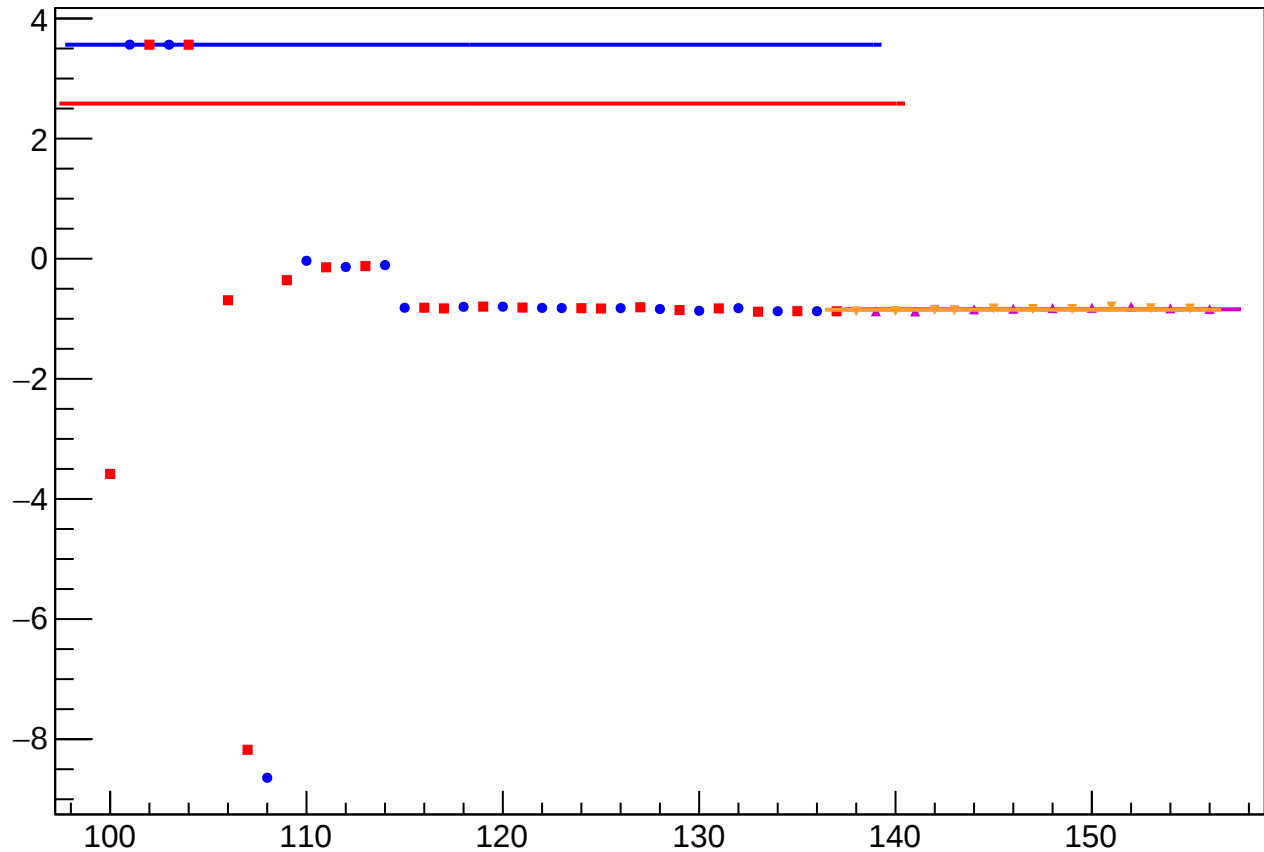
Right Out: 0.000+/-0.000 χ^2/NDF : 9453181.1/19

Left In: 0.030+/-0.000 χ^2/NDF : 503324.8/8

0.000+/-0.000 χ^2/NDF : 20639803.6/26

0.000+/-0.000 χ^2/NDF : 21229160.1/28

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.849+/-0.000 χ^2/NDF : 34929776.0/9

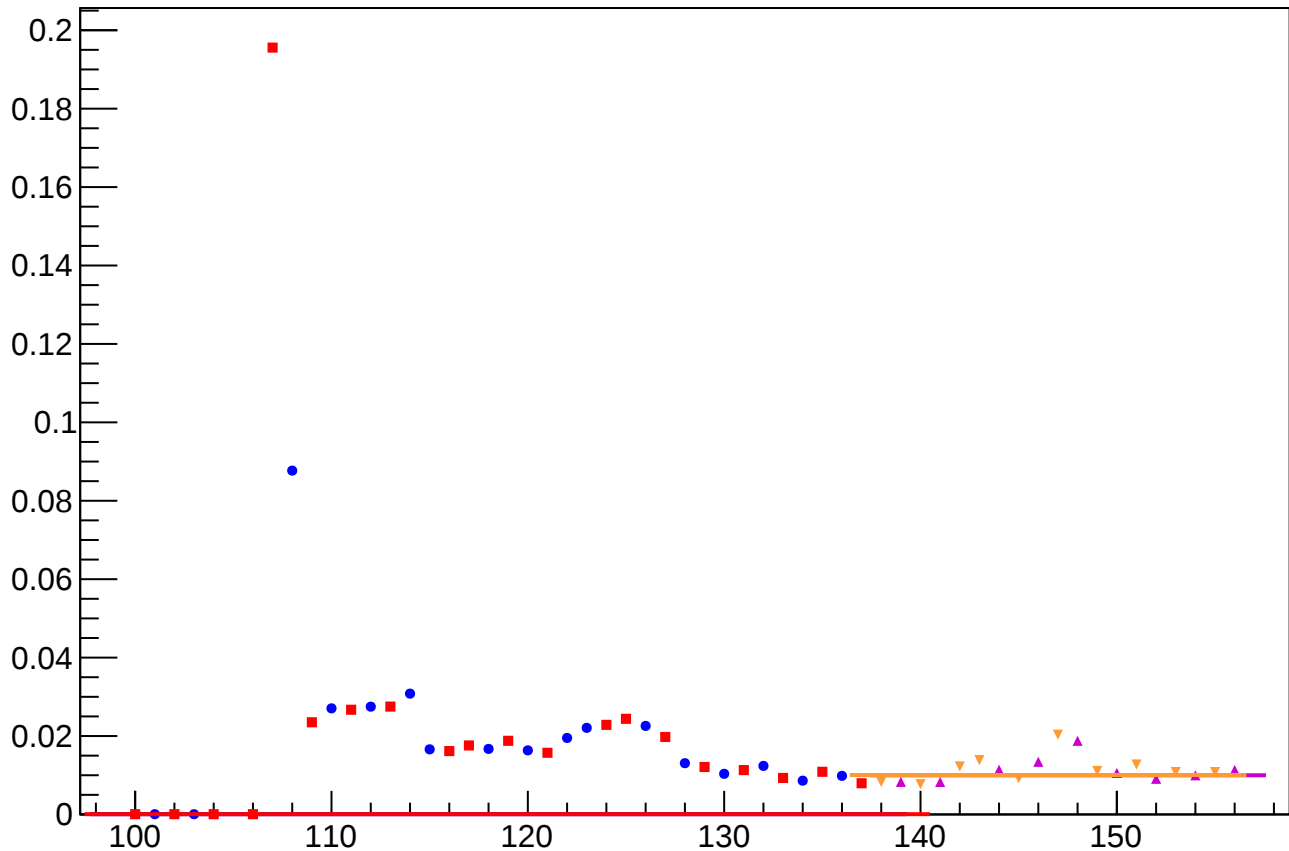
Right Out: 2.583+/-0.000 χ^2/NDF : 1253506756008351.0/19

Left In: -0.842+/-0.000 χ^2/NDF : 46714993.6/8

3.562+/-0.000 χ^2/NDF : 1546430701783.5/26

2.583+/-0.000 χ^2/NDF : 1254164036208022.2/26

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 : 722006.8/9

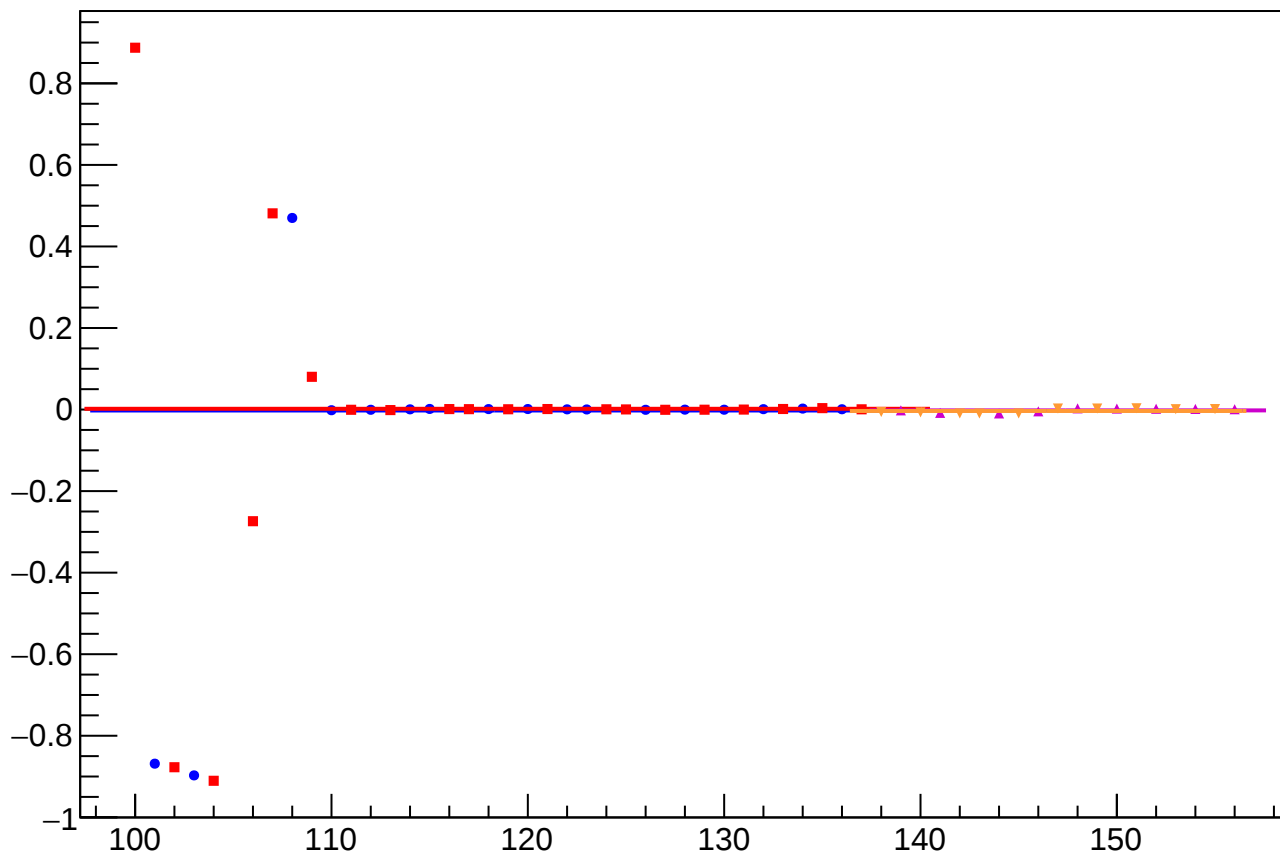
Right Out: 0.000+/-0.000 χ^2/NDF : 9955781.5/19

Left In: 0.010+/-0.000 χ^2/NDF : 550290.1/8

0.000+/-0.000 χ^2/NDF : 21432349.1/26

0.000+/-0.000 χ^2/NDF : 21547407.4/28

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9795424036.3/16

Left Out: -0.003+/-0.000 χ^2/NDF : 72220819.0/9

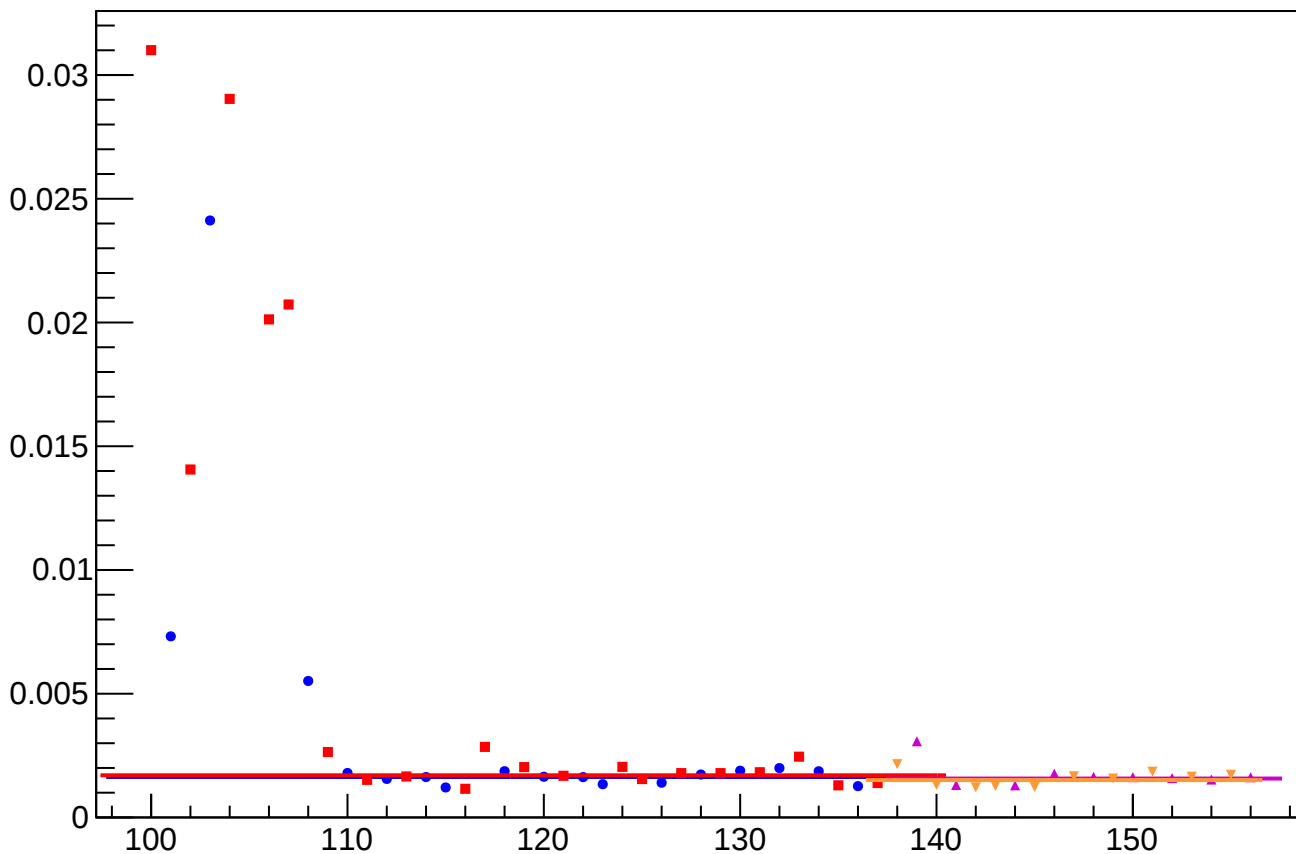
Right Out: 0.002+/-0.000 χ^2/NDF : 3041335141.0/19

Left In: -0.002+/-0.000 χ^2/NDF : 55433904.4/8

-0.003+/-0.000 χ^2/NDF : 9869024189.8/26

-0.000+/-0.000 χ^2/NDF : 3110892282.6/28

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1919127.9/16

Left Out: 0.002+/-0.000 χ^2/NDF :341072.7/9

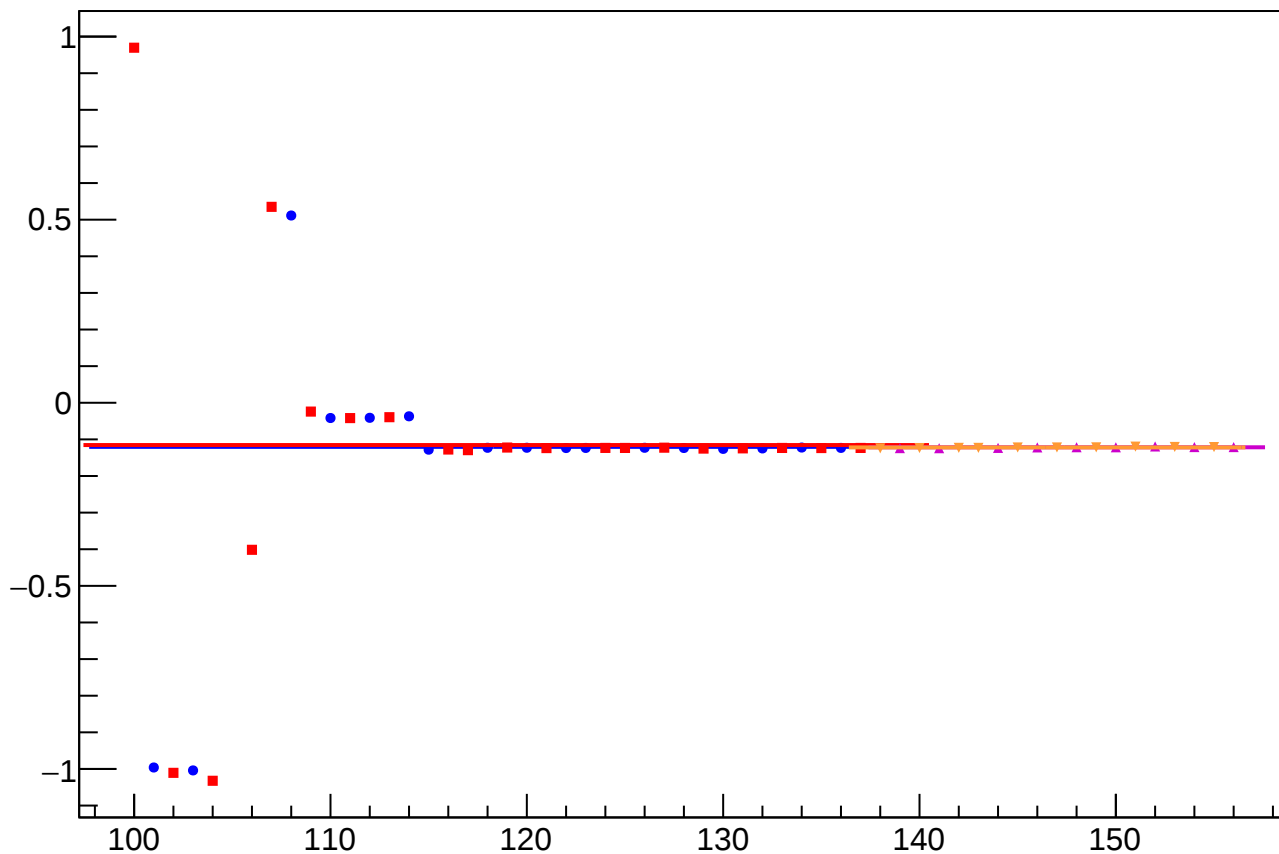
Right Out: 0.002+/-0.000 χ^2/NDF : 3038397.4/19

Left In: 0.002+/-0.000 χ^2/NDF :446803.1/8

0.002+/-0.000 χ^2/NDF : 2291732.1/26

0.002+/-0.000 χ^2/NDF : 3517234.2/28

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 : 9414575.3/9

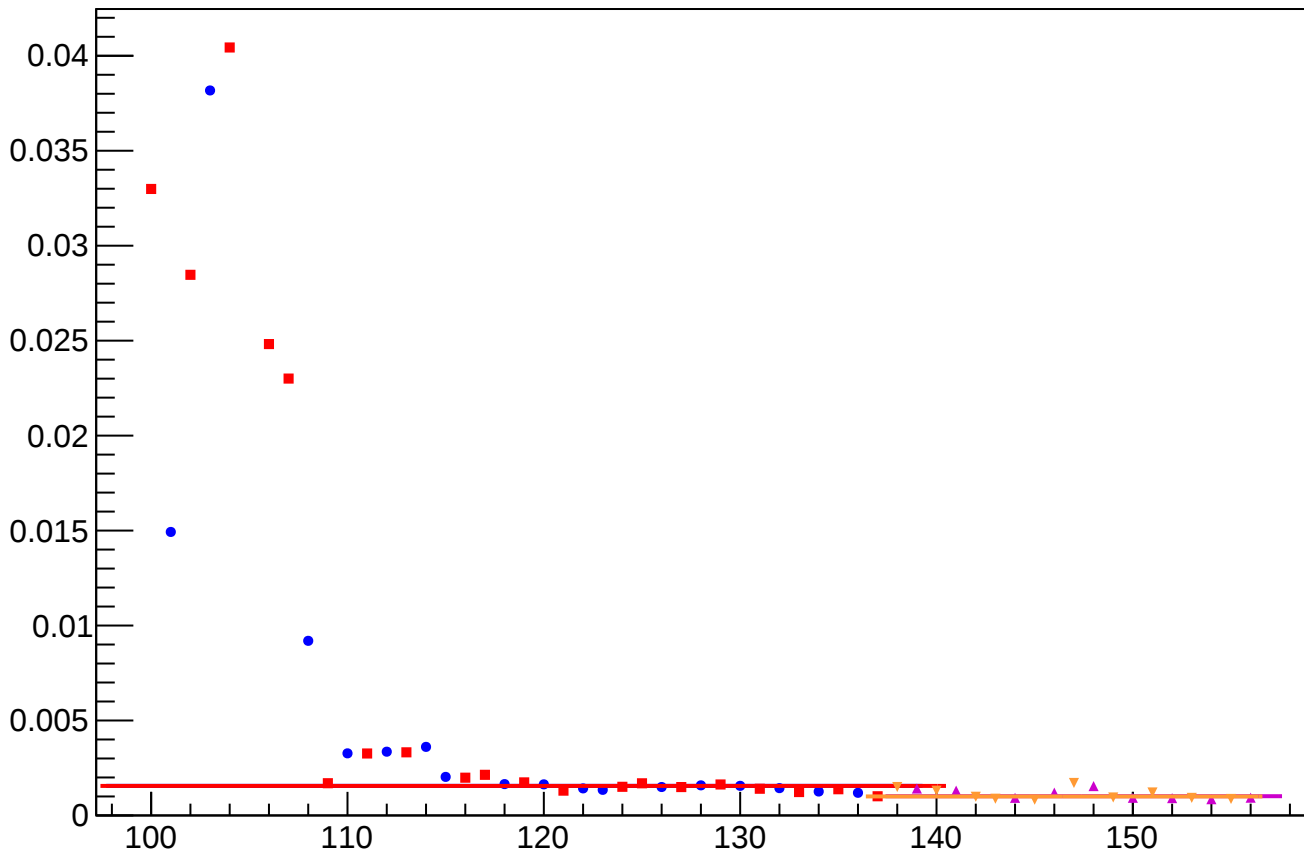
-0.122+/-0.000 χ^2/NDF : 3945211667.4/26

Right Out: -0.115+/-0.000 χ^2/NDF : 2458720596.9/19

-0.120+/-0.000 χ^2/NDF : 2525672894.6/28

Left In: -0.122+/-0.000 χ^2/NDF : 12457913.9/8

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 : 654469.4/9

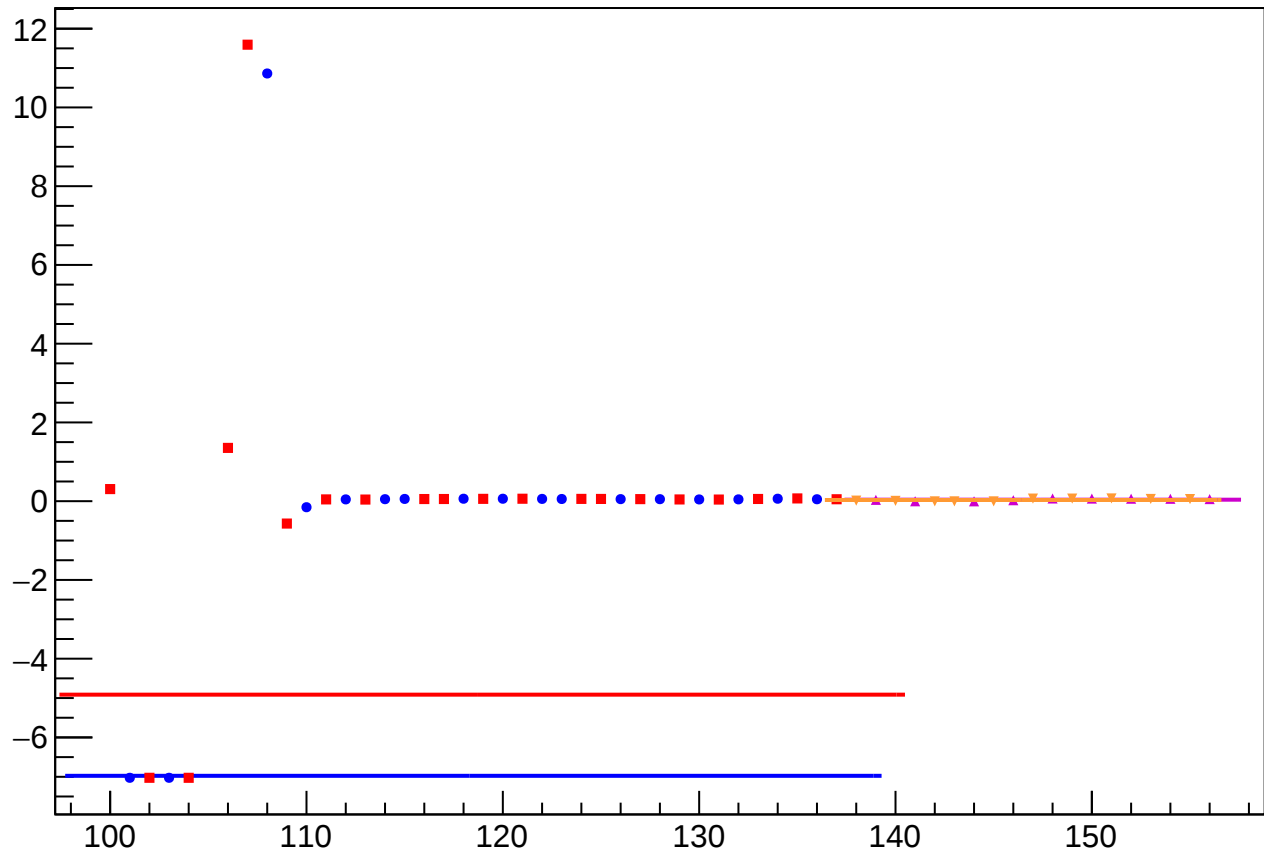
0.001+/-0.000 χ^2/NDF : 4469938.5/26

Right Out: 0.002+/-0.000 χ^2/NDF : 3544377.2/19

0.001+/-0.000 χ^2/NDF : 4906903.7/28

Left In: 0.001+/-0.000 χ^2/NDF : 500936.0/8

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.030+/-0.000 χ^2/NDF : 70984615.6/9

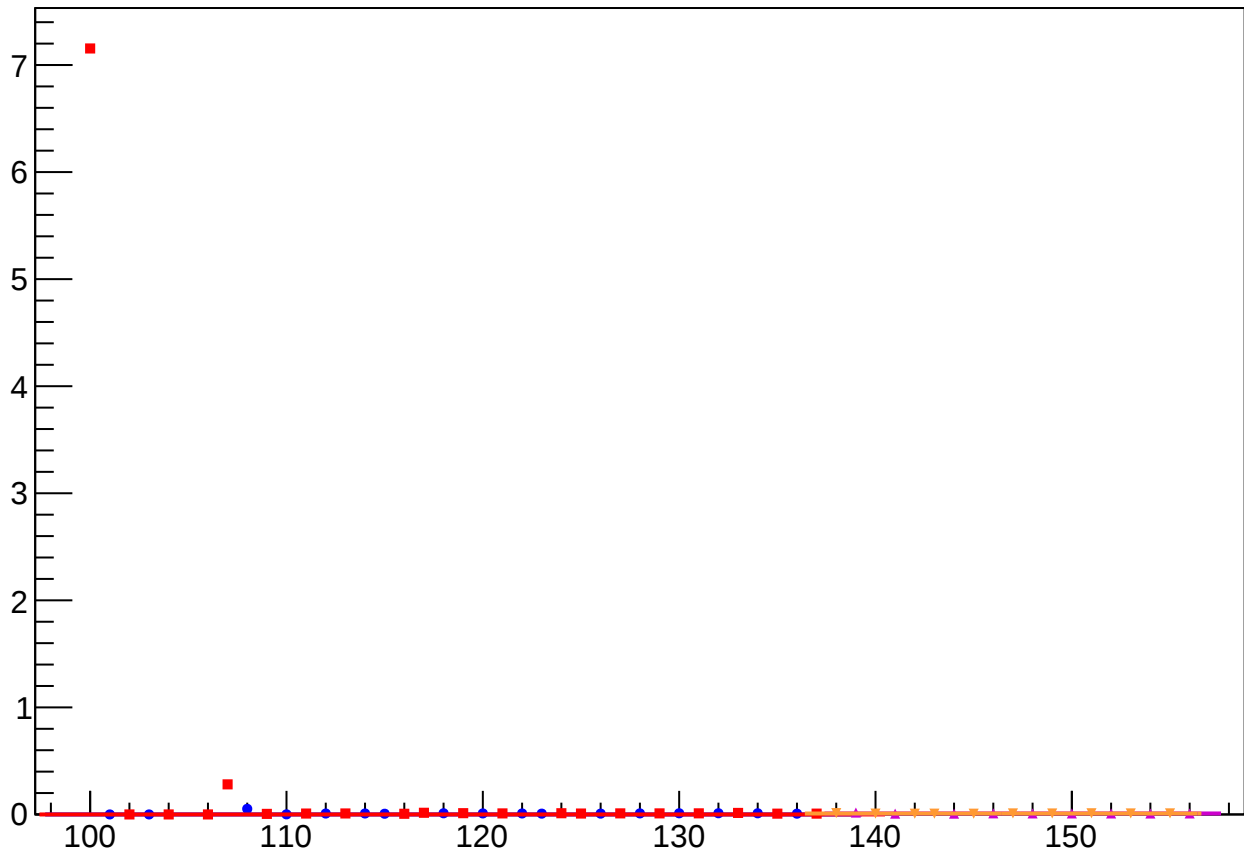
Right Out: -4.914+/-0.000 χ^2/NDF : 365366243956054.8/19

Left In: 0.038+/-0.000 χ^2/NDF : 59585610.6/8

-6.955+/-0.000 χ^2/NDF : 12249504864848.2/26

-4.902+/-0.000 χ^2/NDF : 367014510474866.0/2

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 :343699.5/9

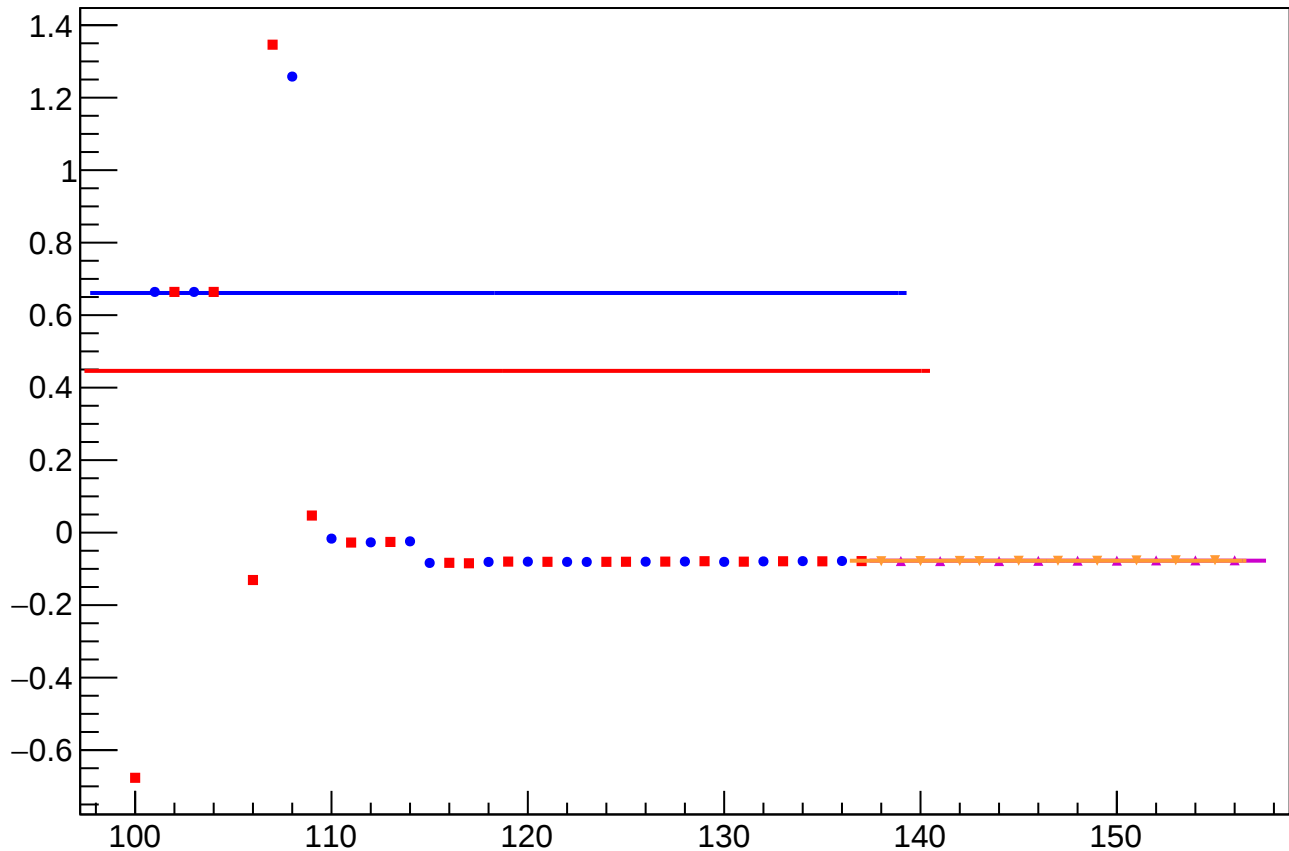
Right Out: 0.000+/-0.000 χ^2/NDF : 8880914.4/19

Left In: 0.009+/-0.000 χ^2/NDF :447412.8/8

0.000+/-0.000 χ^2/NDF : 19444011.0/26

0.000+/-0.000 χ^2/NDF : 20261009.0/28

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 : 18588272.2/9

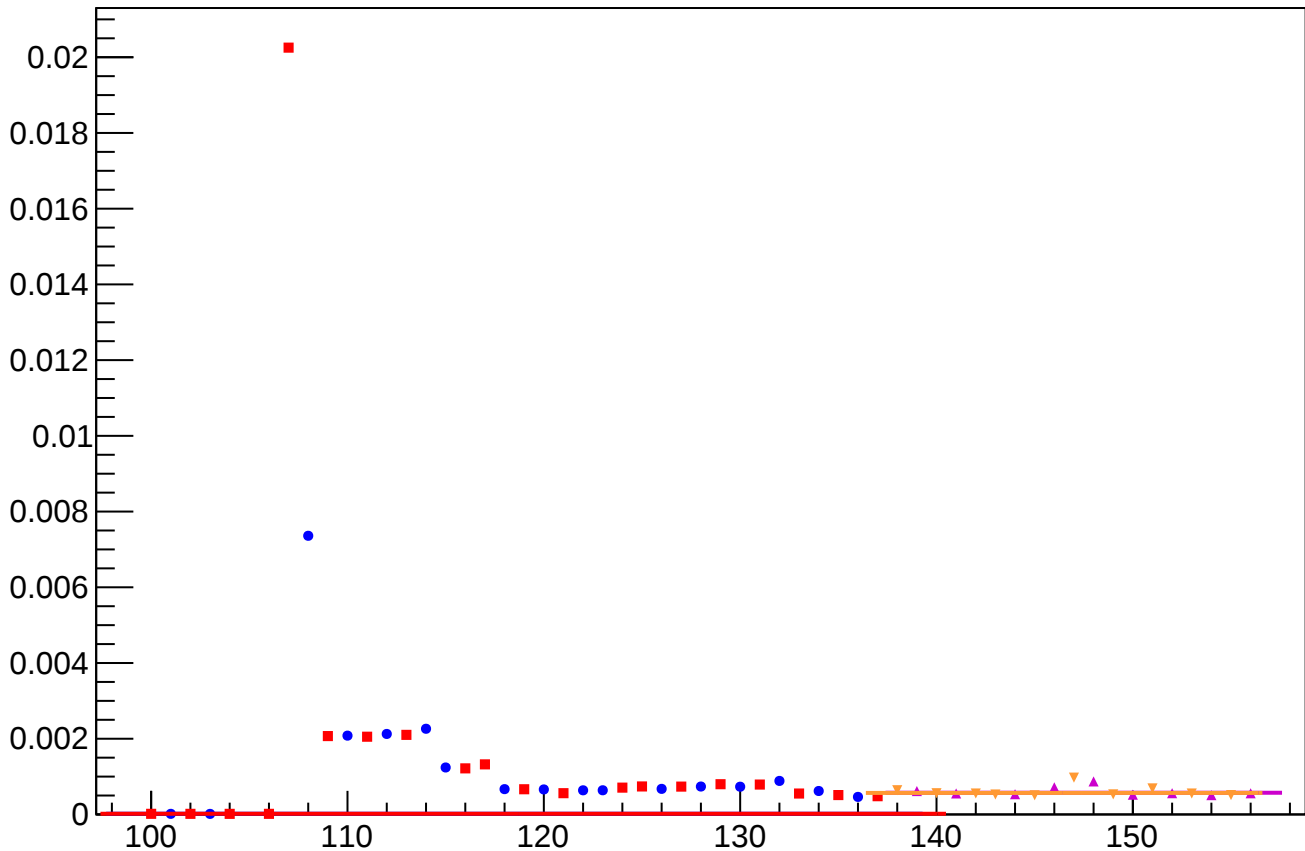
Right Out: 0.446+/-0.000 χ^2/NDF : 405434749783850.4/19

Left In: -0.077+/-0.000 χ^2/NDF : 14670891.9/8

0.655+/-0.000 χ^2/NDF : 17108515847940.2/26

0.442+/-0.000 χ^2/NDF : 411162342780145.7/28

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 : 378616.9/9

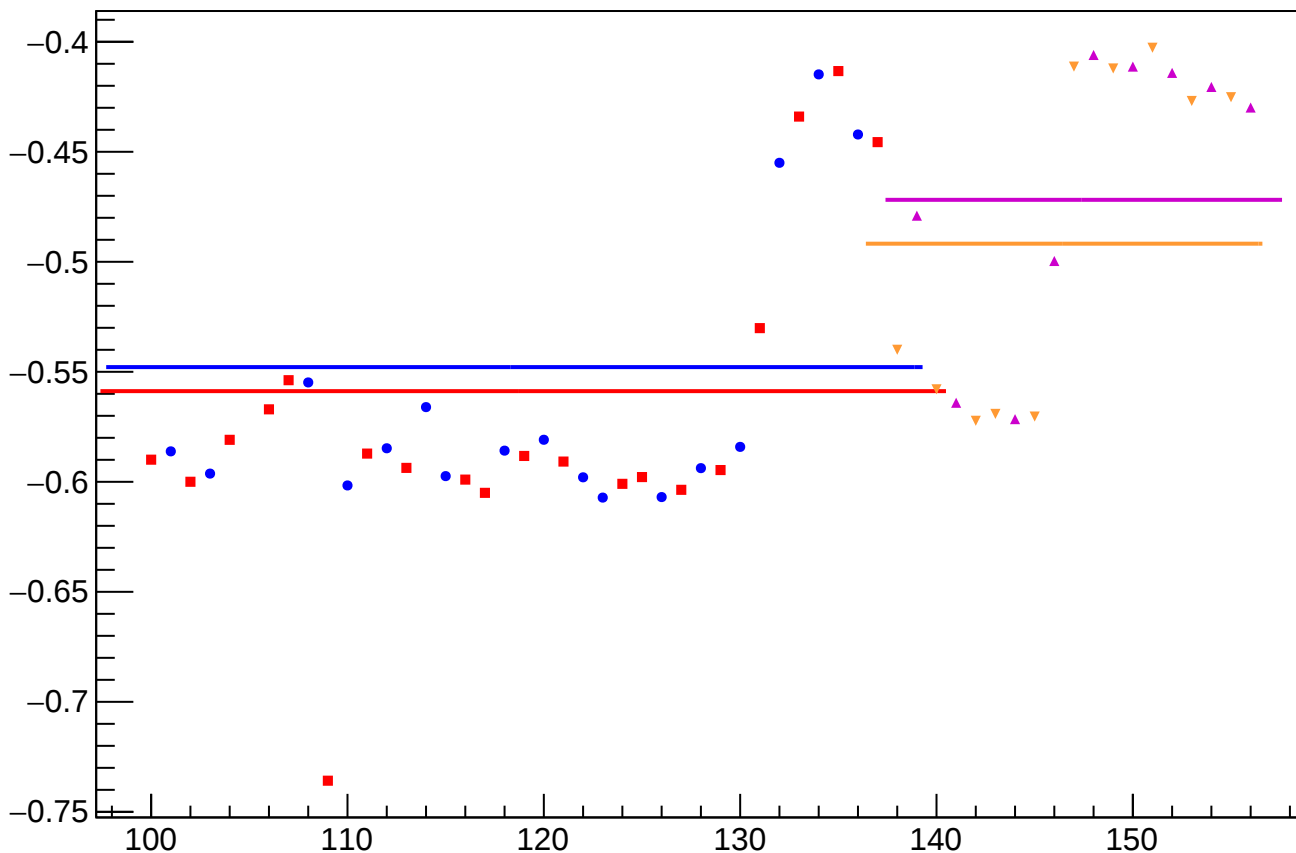
Right Out: 0.000+/-0.000 χ^2/NDF : 9575039.3/19

Left In: 0.001+/-0.000 χ^2/NDF : 301371.6/8

0.000+/-0.000 χ^2/NDF : 23068228.3/26

0.000+/-0.000 χ^2/NDF : 22741677.9/28

yield_bpm4aX_mean vs Slug



Right In: -0.548 ± 0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.492 ± 0.000 χ^2/NDF : 80403821.0/9

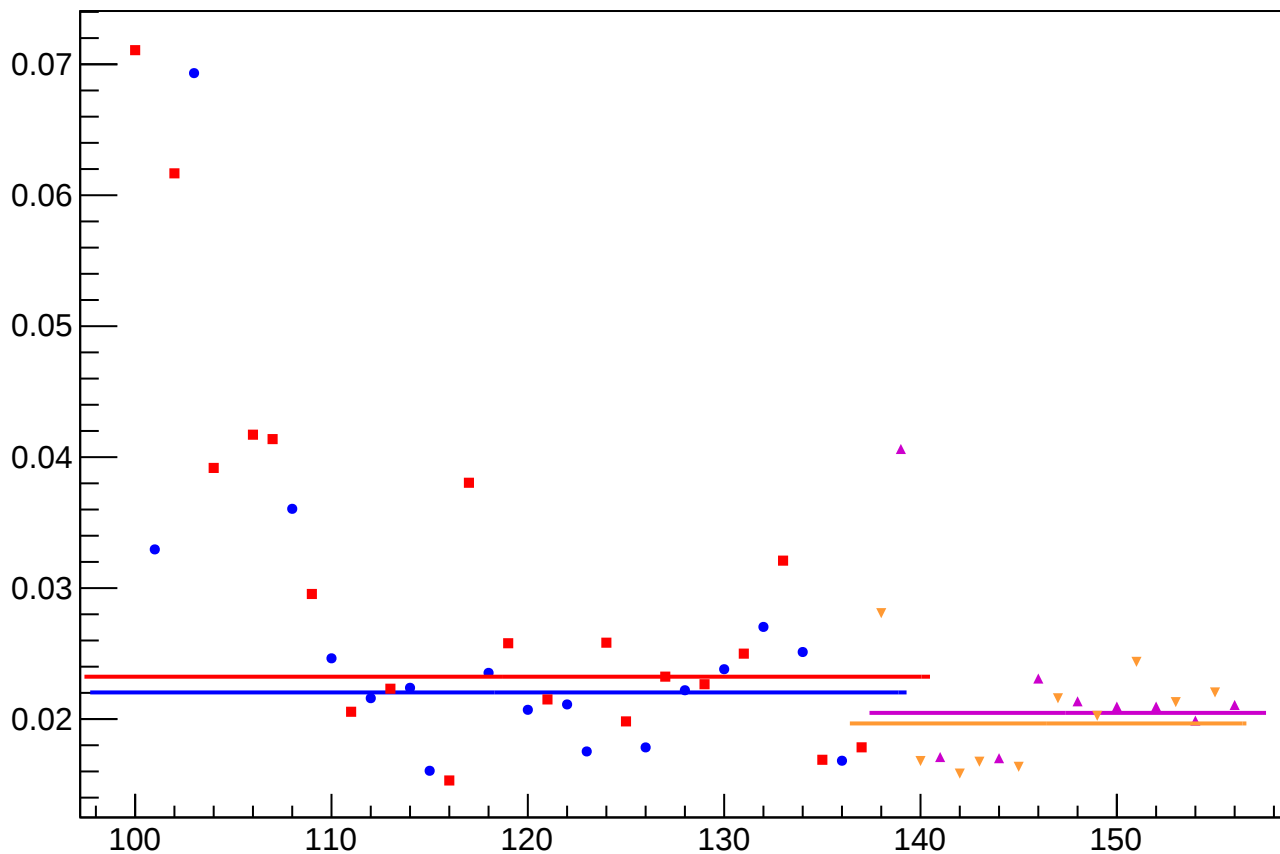
Right Out: -0.559 ± 0.000 χ^2/NDF : 65741796.4/19

Left In: -0.472 ± 0.000 χ^2/NDF : 63666617.3/8

-0.515 ± 0.000 χ^2/NDF : 148125952.3/26

-0.509 ± 0.000 χ^2/NDF : 172797625.4/28

yield_bpm4aX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 958966.6/16

Left Out: 0.020+/-0.000 χ^2/NDF : 328200.4/9

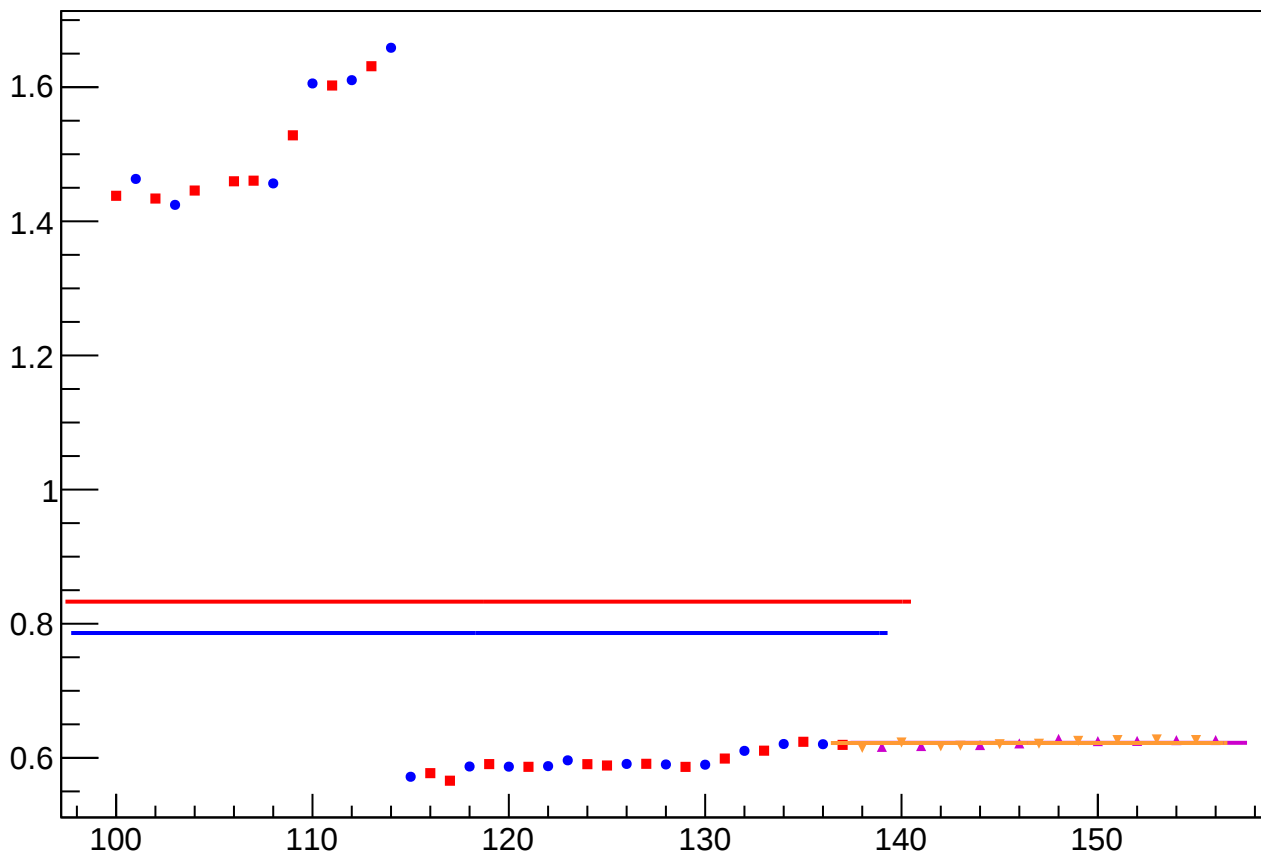
Right Out: 0.023+/-0.000 χ^2/NDF : 1169205.3/19

Left In: 0.020+/-0.000 χ^2/NDF : 451989.6/8

0.021+/-0.000 χ^2/NDF : 1355414.7/26

0.022+/-0.000 χ^2/NDF : 1708813.2/28

yield_bpm4aY_mean vs Slug



Right In: 0.786 $\pm$ 0.000 χ^2 /NDF: 3590113316.1/16

Left Out: 0.622 $\pm$ 0.000 χ^2 /NDF: 778783.3/9

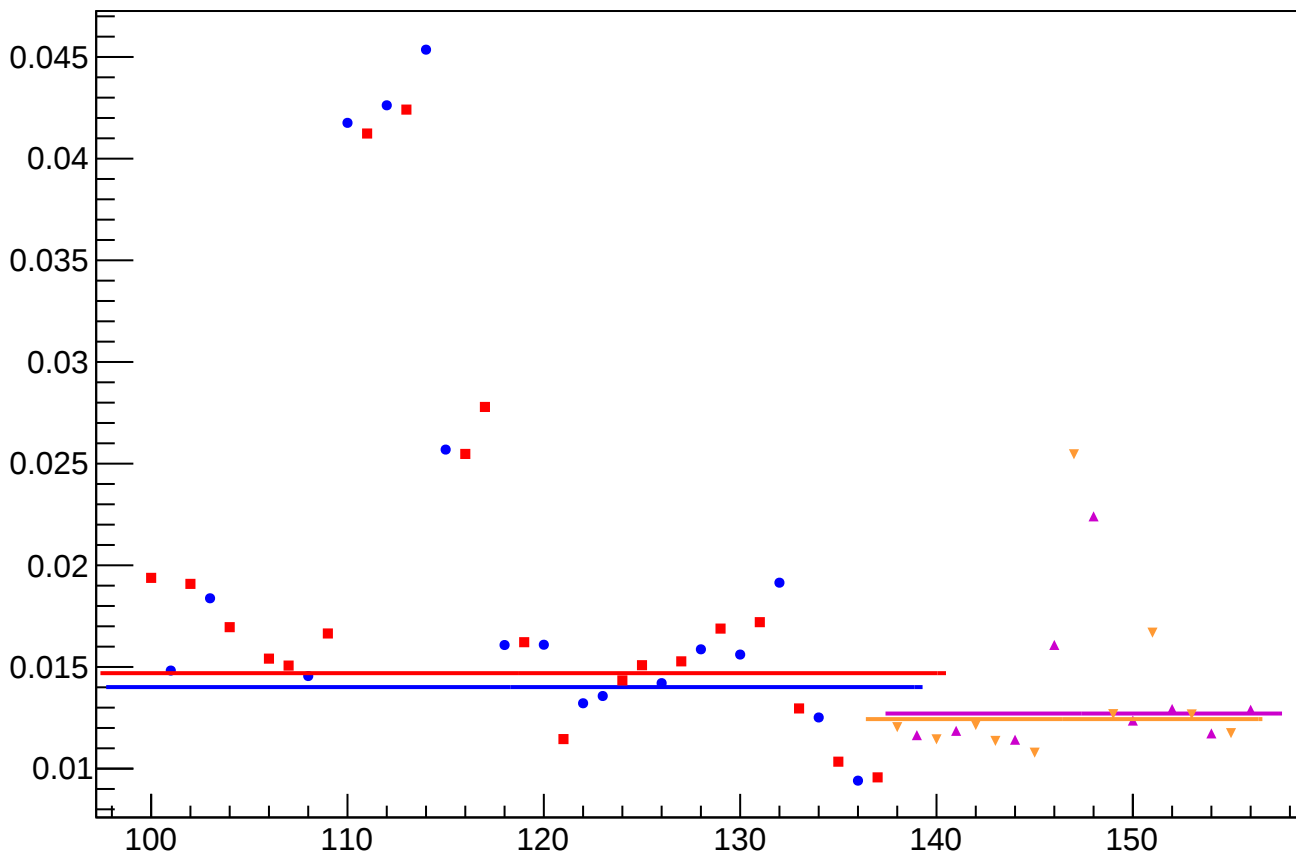
Right Out: 0.833 $\pm$ 0.000 χ^2 /NDF: 4160348649.7/19

Left In: 0.622 $\pm$ 0.000 χ^2 /NDF: 691847.9/8

0.687 $\pm$ 0.000 χ^2 /NDF: 4060087712.6/26

0.706 $\pm$ 0.000 χ^2 /NDF: 4908877870.9/28

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1404865.3/16

Left Out: 0.012+/-0.000 χ^2/NDF : 547599.9/9

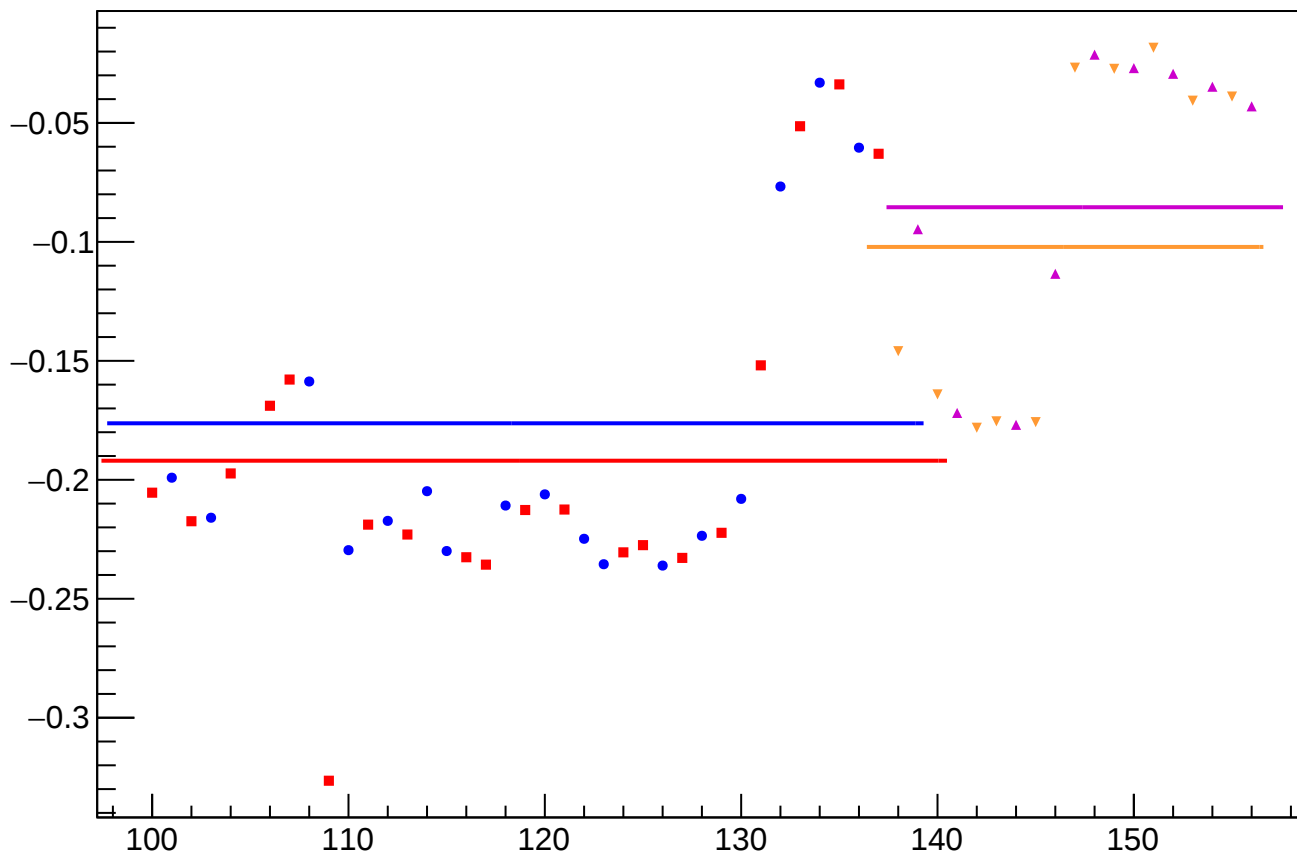
Right Out: 0.015+/-0.000 χ^2/NDF : 1280473.4/19

Left In: 0.013+/-0.000 χ^2/NDF : 402812.1/8

0.013+/-0.000 χ^2/NDF : 2038918.9/26

0.013+/-0.000 χ^2/NDF : 1816375.6/28

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.102+/-0.000 χ^2/NDF : 78036537.7/9

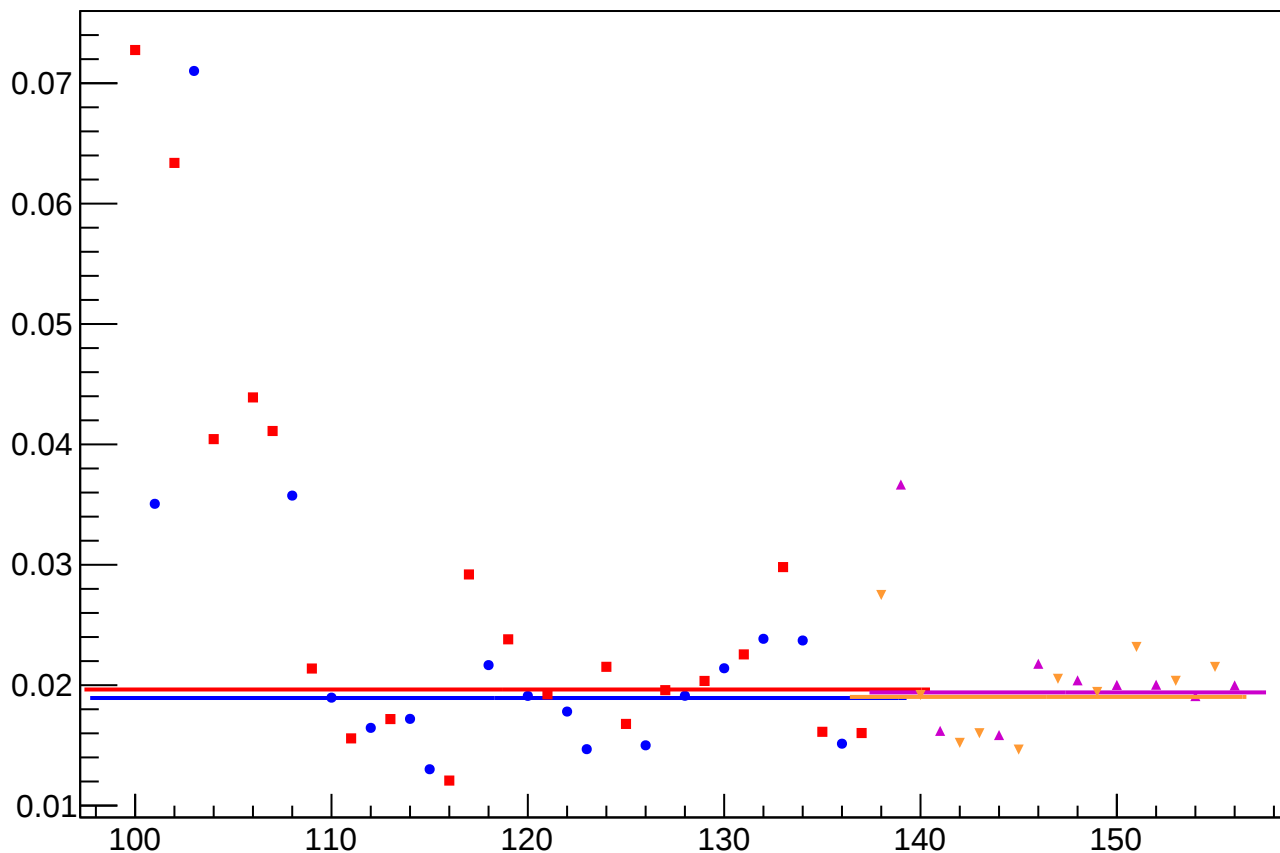
Right Out: -0.192+/-0.000 χ^2/NDF : 83899255.4/19

Left In: -0.085+/-0.000 χ^2/NDF : 64683983.7/8

-0.137+/-0.000 χ^2/NDF : 188750572.2/26

-0.136+/-0.000 χ^2/NDF : 229972669.4/28

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 : 358469.1/9

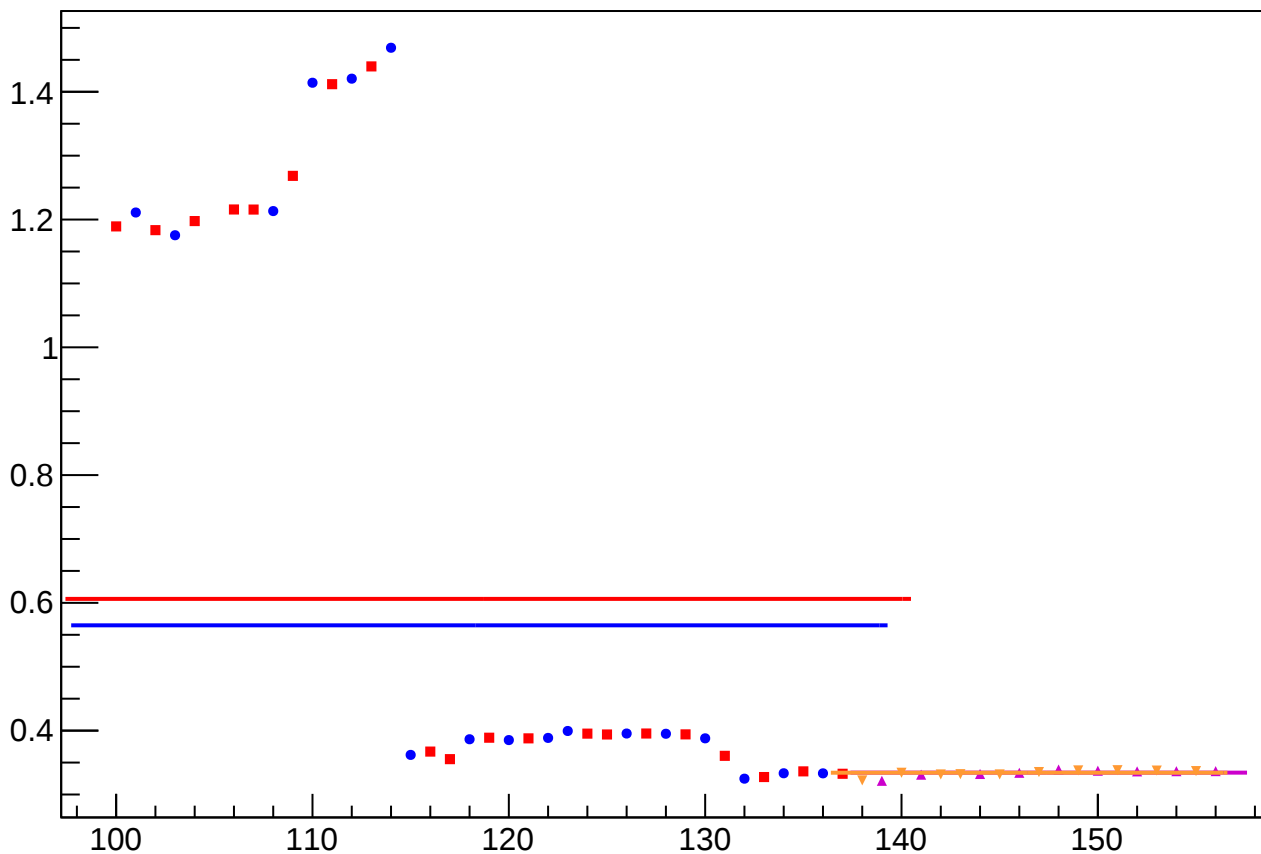
Right Out: 0.020+/-0.000 χ^2/NDF : 1466285.9/19

Left In: 0.019+/-0.000 χ^2/NDF : 431077.7/8

0.019+/-0.000 χ^2/NDF : 1564446.4/26

0.020+/-0.000 χ^2/NDF : 1898207.0/28

yield_bpm4eY_mean vs Slug



Right In: 0.565 $\pm$ 0.000 χ^2 /NDF: 5030969499.3/16

Left Out: 0.334 $\pm$ 0.000 χ^2 /NDF:961073.7/9

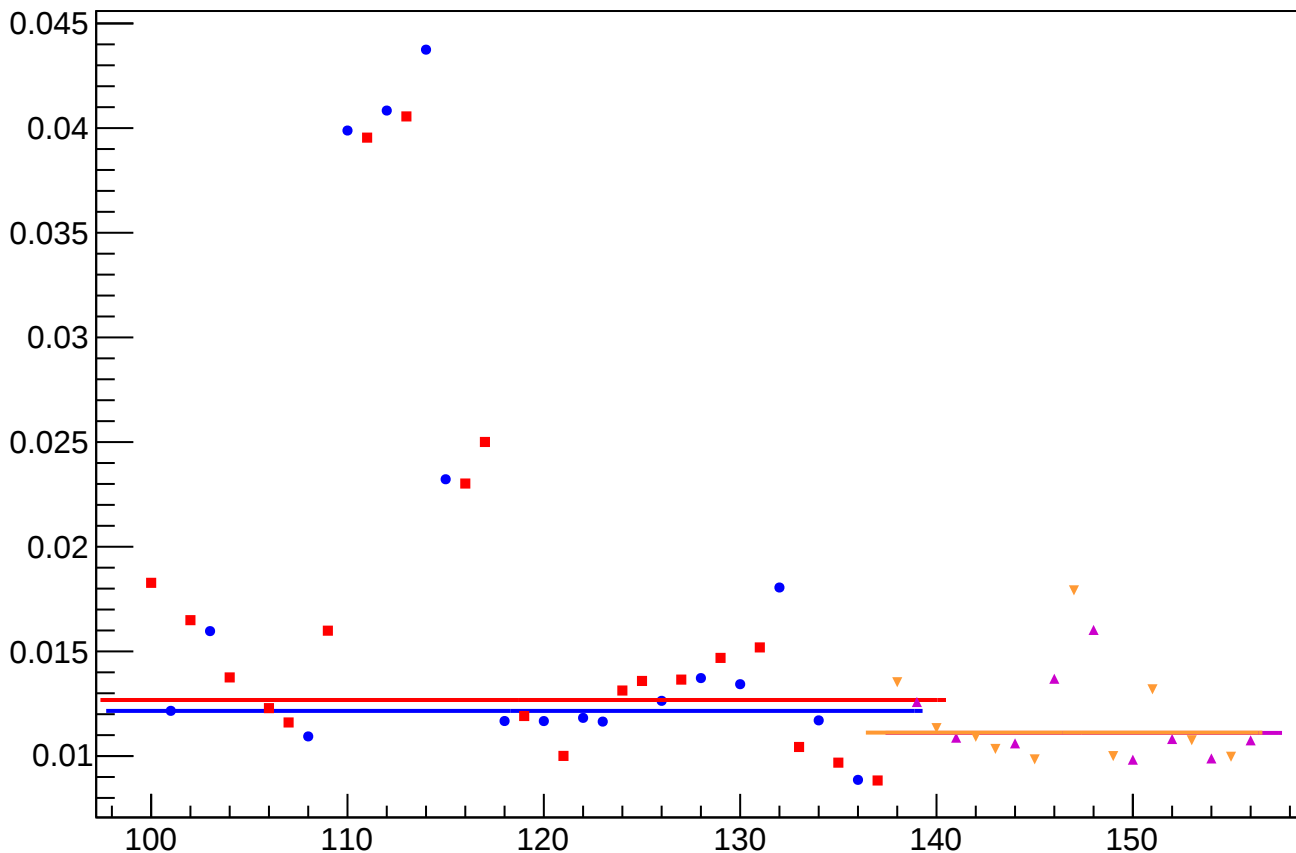
Right Out: 0.606 $\pm$ 0.000 χ^2 /NDF: 5517630064.2/19

Left In: 0.334 $\pm$ 0.000 χ^2 /NDF:1043052.9/8

0.428 $\pm$ 0.000 χ^2 /NDF: 6237643937.7/26

0.442 $\pm$ 0.000 χ^2 /NDF: 7163798034.6/28

yield_bpm4eY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1309888.8/16

Left Out: 0.011+/-0.000 χ^2/NDF : 371089.3/9

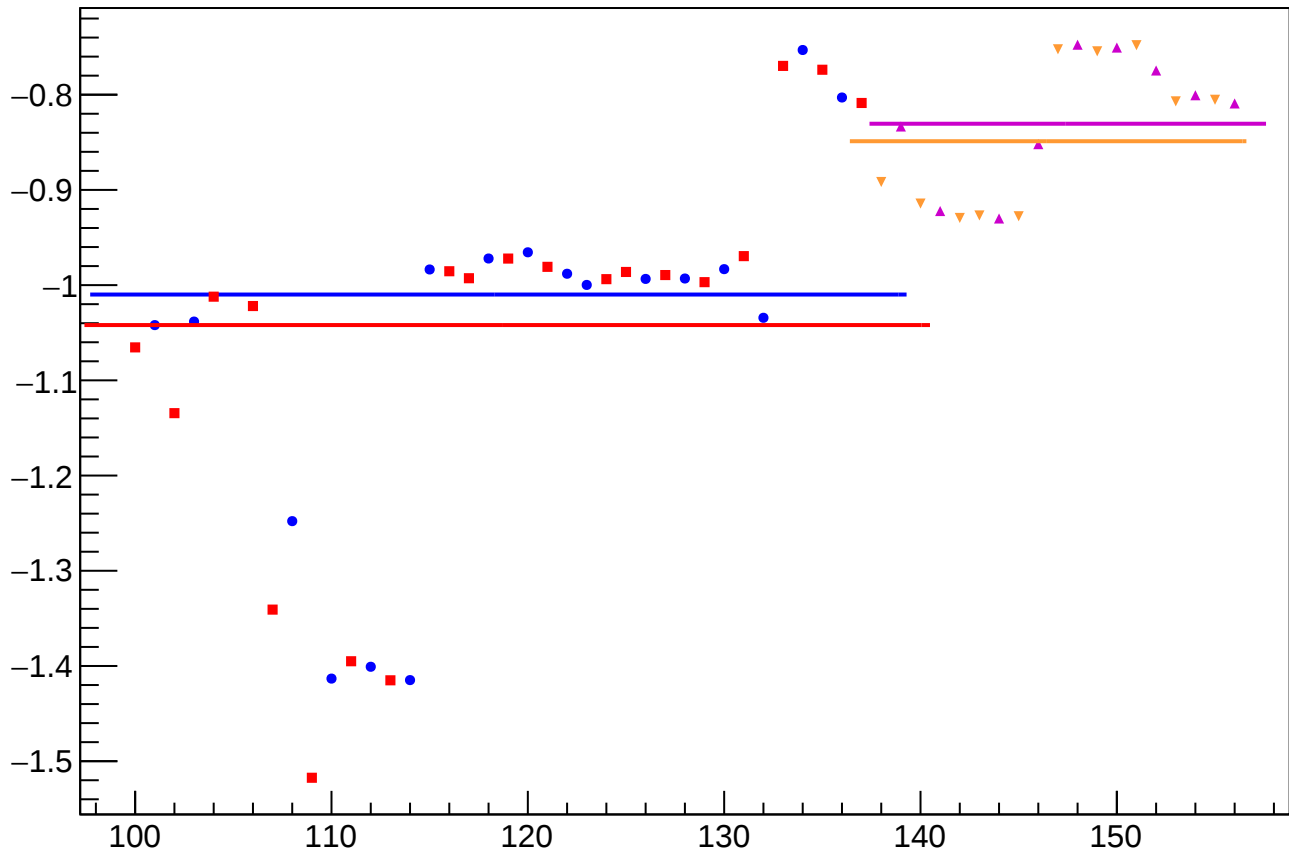
Right Out: 0.013+/-0.000 χ^2/NDF : 1289415.7/19

Left In: 0.011+/-0.000 χ^2/NDF : 278038.8/8

0.012+/-0.000 χ^2/NDF : 1729655.7/26

0.012+/-0.000 χ^2/NDF : 1677496.0/28

yield_bpm4acX_mean vs Slug



Right In: -1.010 ± 0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.849 ± 0.000 χ^2/NDF : 88016724.0/9

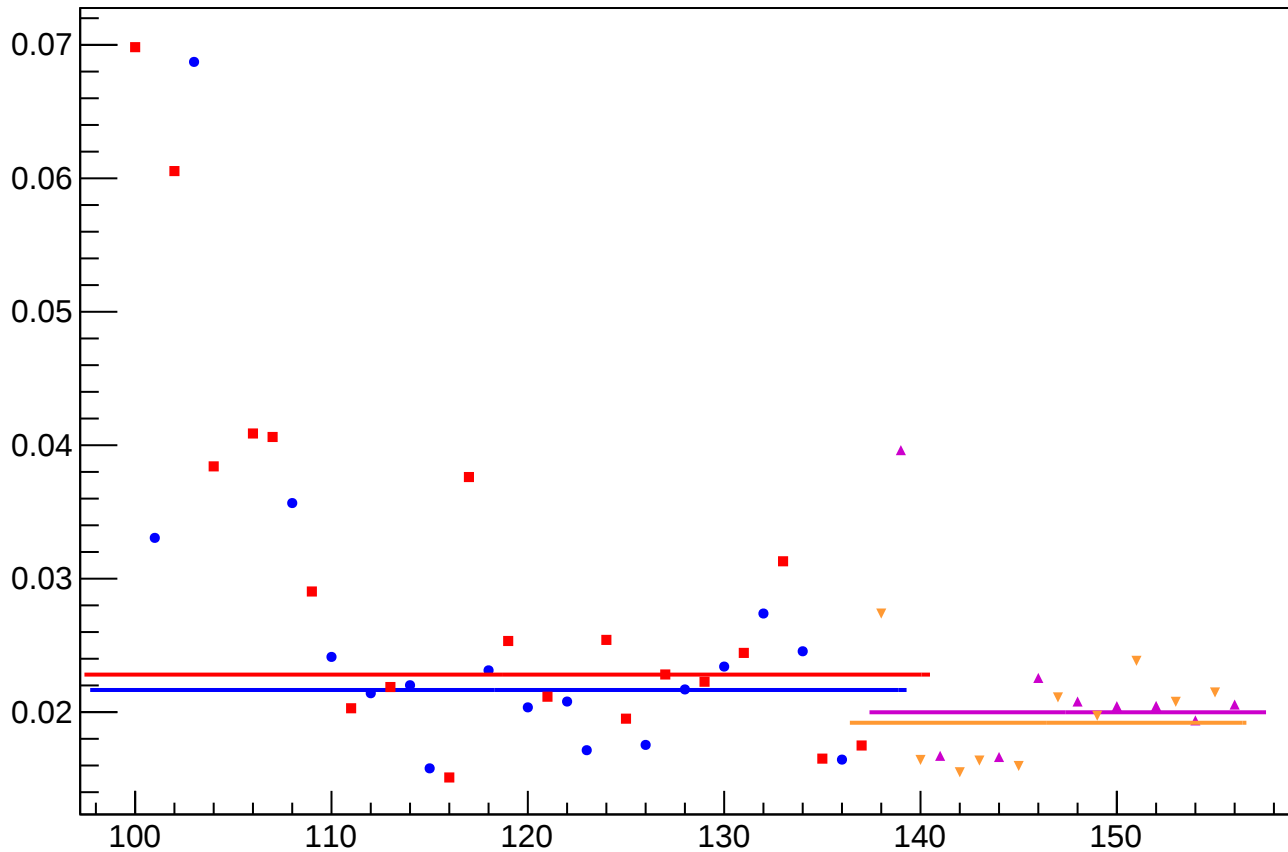
Right Out: -1.042 ± 0.000 χ^2/NDF : 530175104.2/19

Left In: -0.831 ± 0.000 χ^2/NDF : 69186919.4/8

-0.916 ± 0.000 χ^2/NDF : 639681267.6/26

-0.919 ± 0.000 χ^2/NDF : 866500129.1/28

yield_bpm4acX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 983499.8/16

Left Out: 0.019+/-0.000 χ^2/NDF : 326732.3/9

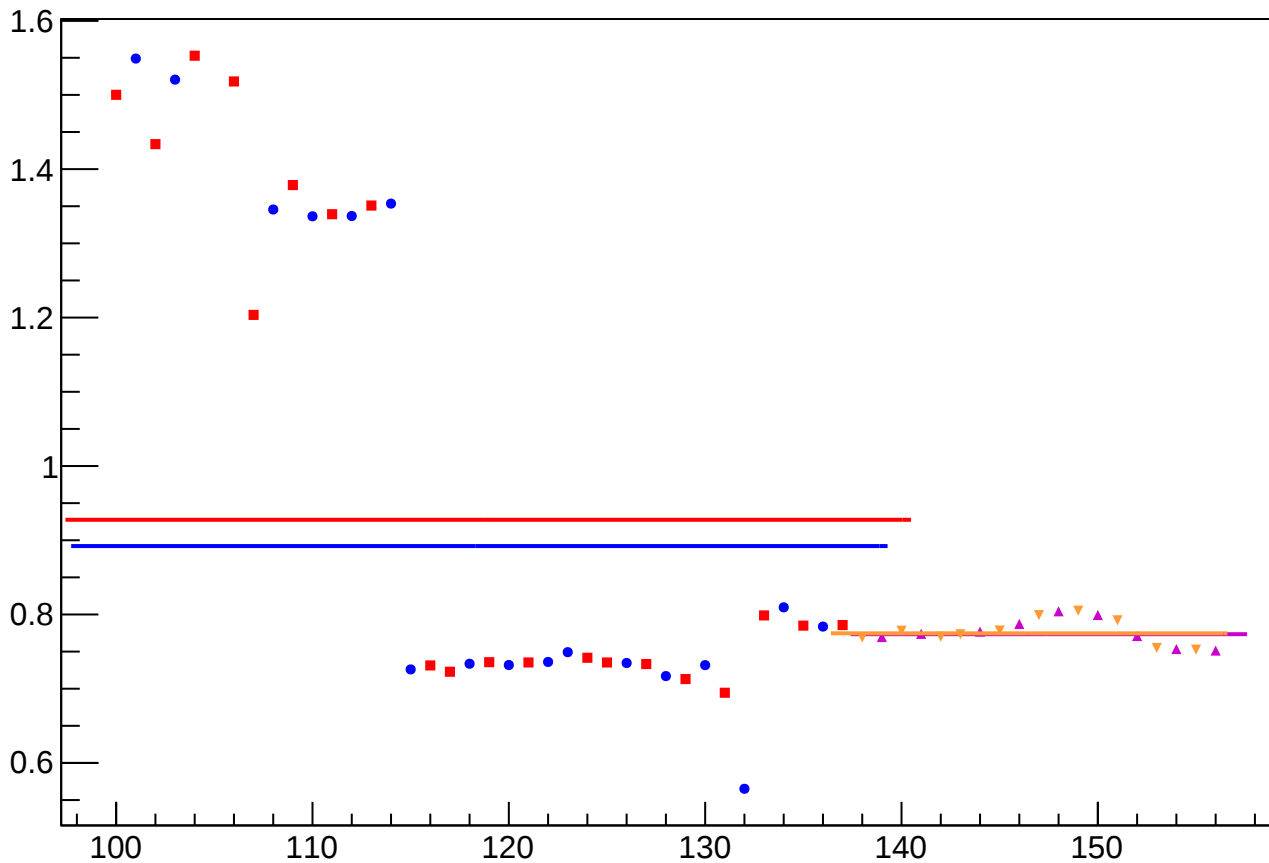
Right Out: 0.023+/-0.000 χ^2/NDF : 1165116.5/19

Left In: 0.020+/-0.000 χ^2/NDF : 449591.1/8

0.020+/-0.000 χ^2/NDF : 1386489.7/26

0.021+/-0.000 χ^2/NDF : 1709974.3/28

yield_bpm4acY_mean vs Slug



Right In: 0.892+/-0.000 χ^2/NDF : 2413732173.6/16

Left Out: 0.775+/-0.000 χ^2/NDF :11016201.1/9

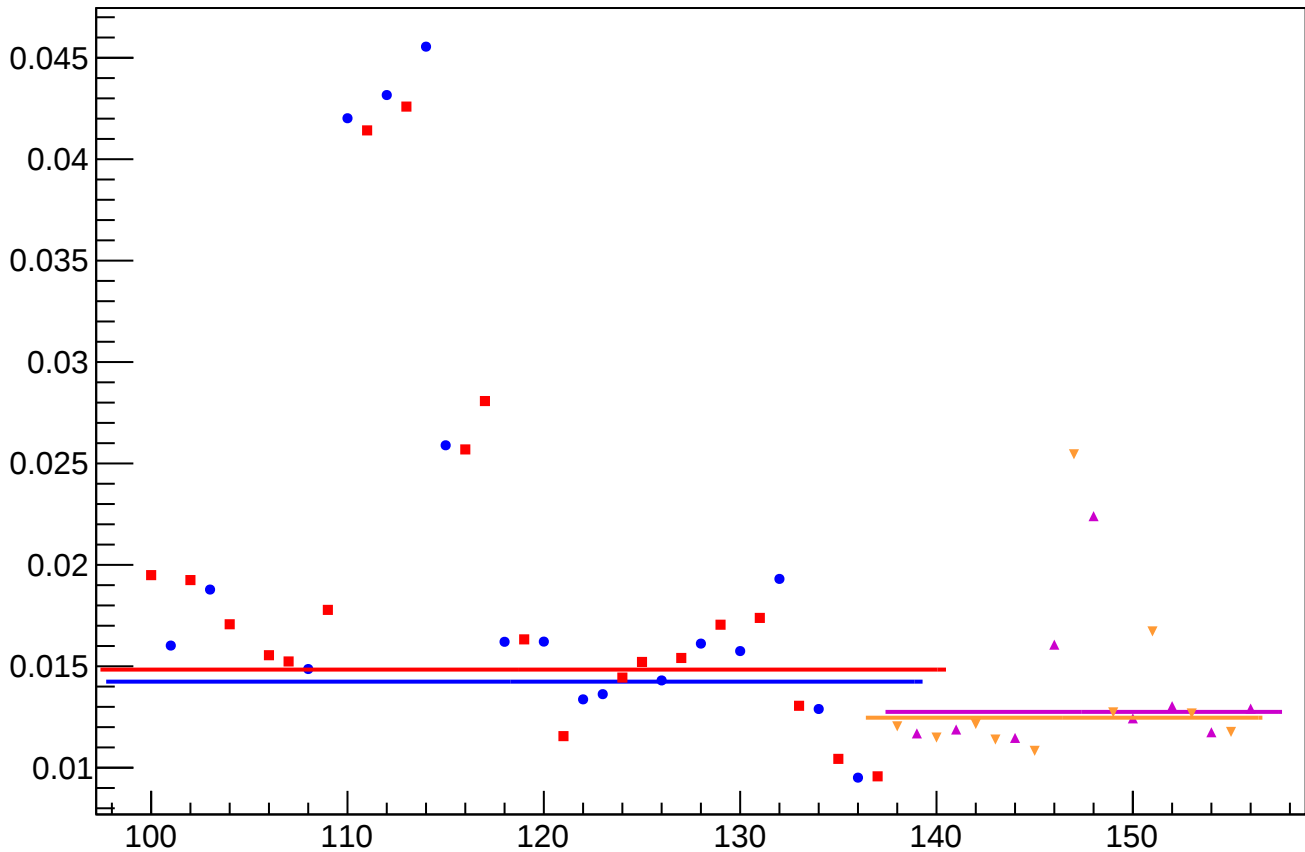
0.820+/-0.000 χ^2/NDF : 2659898995.2/26

Right Out: 0.928+/-0.000 χ^2/NDF : 2439574936.7/19

0.834+/-0.000 χ^2/NDF : 2844710588.4/28

Left In: 0.773+/-0.000 χ^2/NDF :10549655.4/8

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1415681.3/16

Left Out: 0.012+/-0.000 χ^2/NDF :544066.1/9

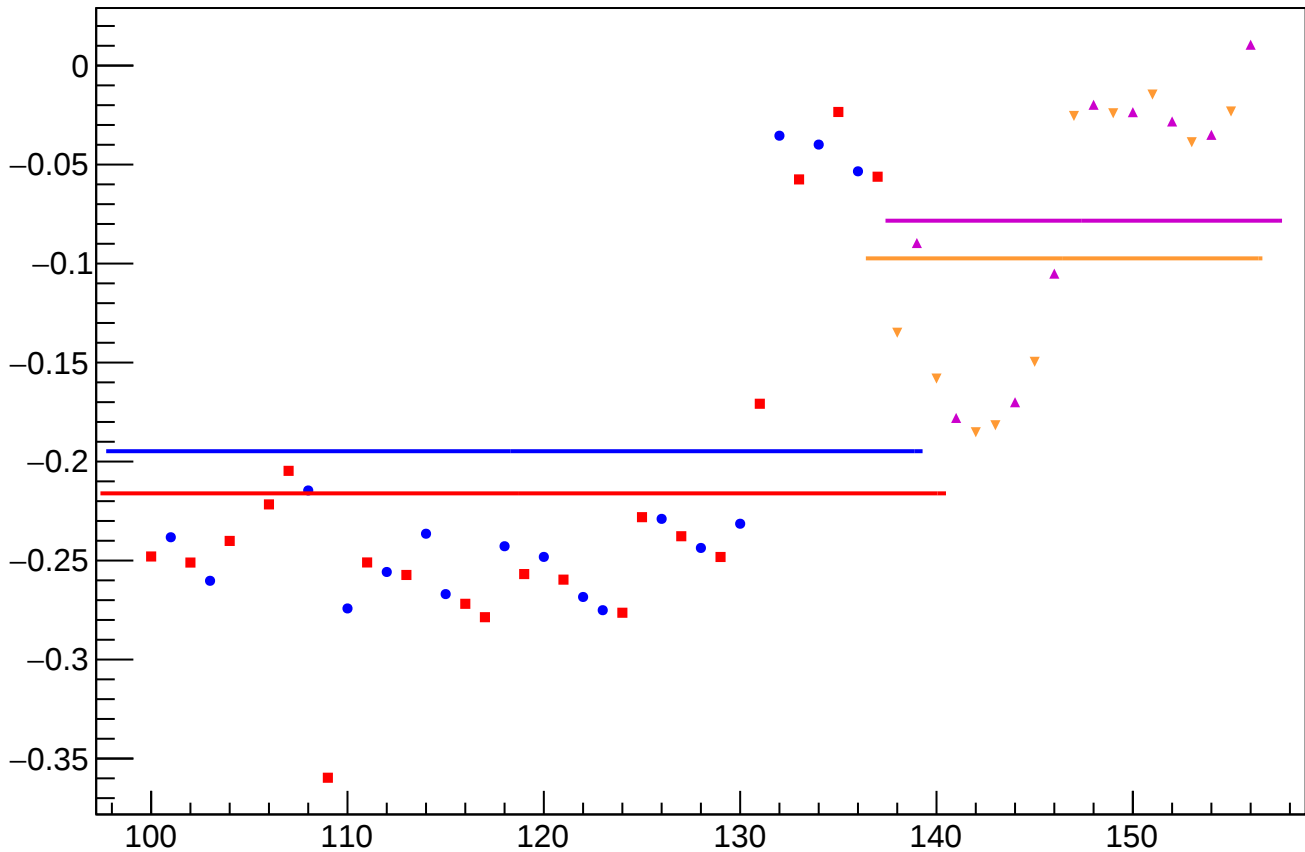
0.013+/-0.000 χ^2/NDF : 2067237.4/26

Right Out: 0.015+/-0.000 χ^2/NDF : 1291174.0/19

0.014+/-0.000 χ^2/NDF : 1834142.1/28

Left In: 0.013+/-0.000 χ^2/NDF :398565.8/8

yield_bpm4ecX_mean vs Slug



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.097+/-0.000 χ^2/NDF : 76603105.7/9

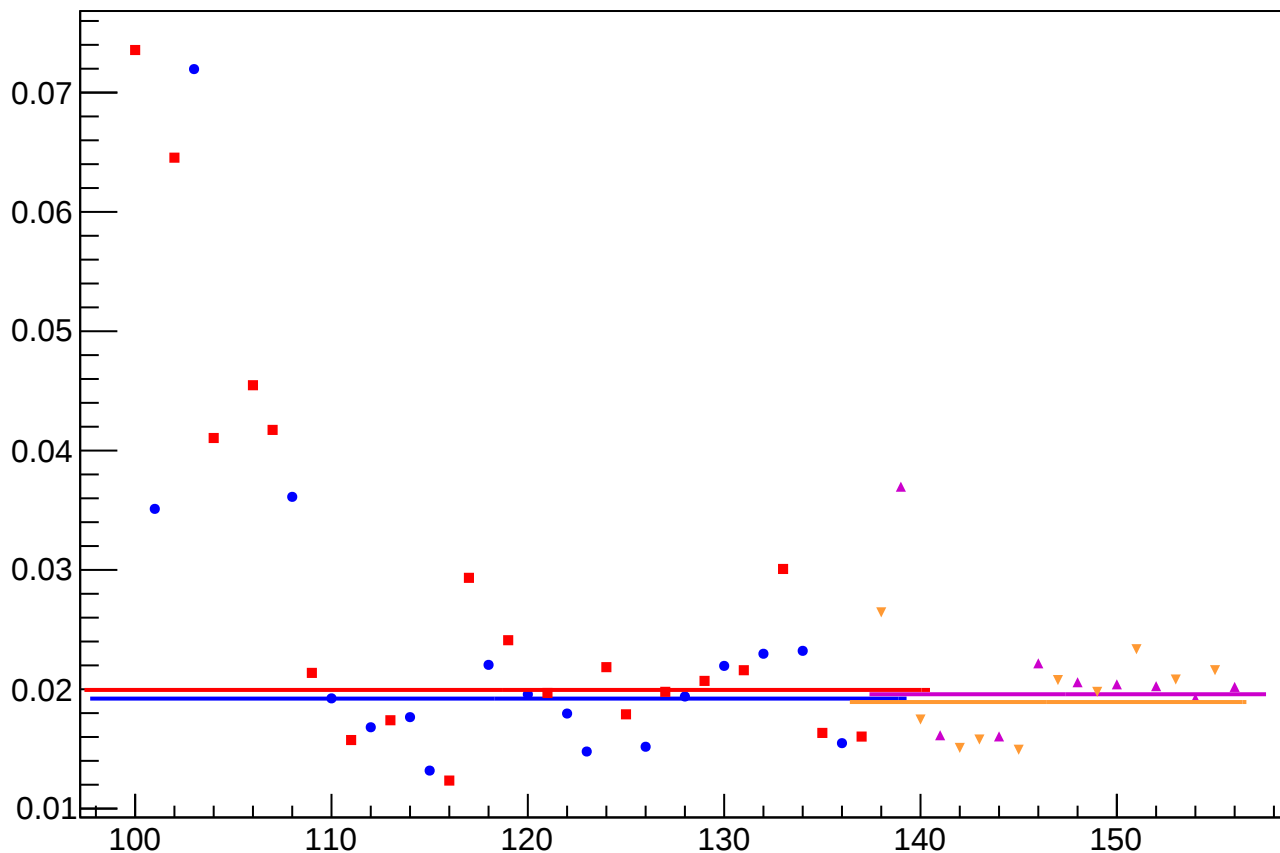
-0.143+/-0.000 χ^2/NDF : 254327175.2/26

Right Out: -0.216+/-0.000 χ^2/NDF : 112167032.2/19

-0.143+/-0.000 χ^2/NDF : 319455910.8/28

Left In: -0.078+/-0.000 χ^2/NDF : 74763119.8/8

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1177085.4/16

Left Out: 0.019+/-0.000 χ^2/NDF : 350808.8/9

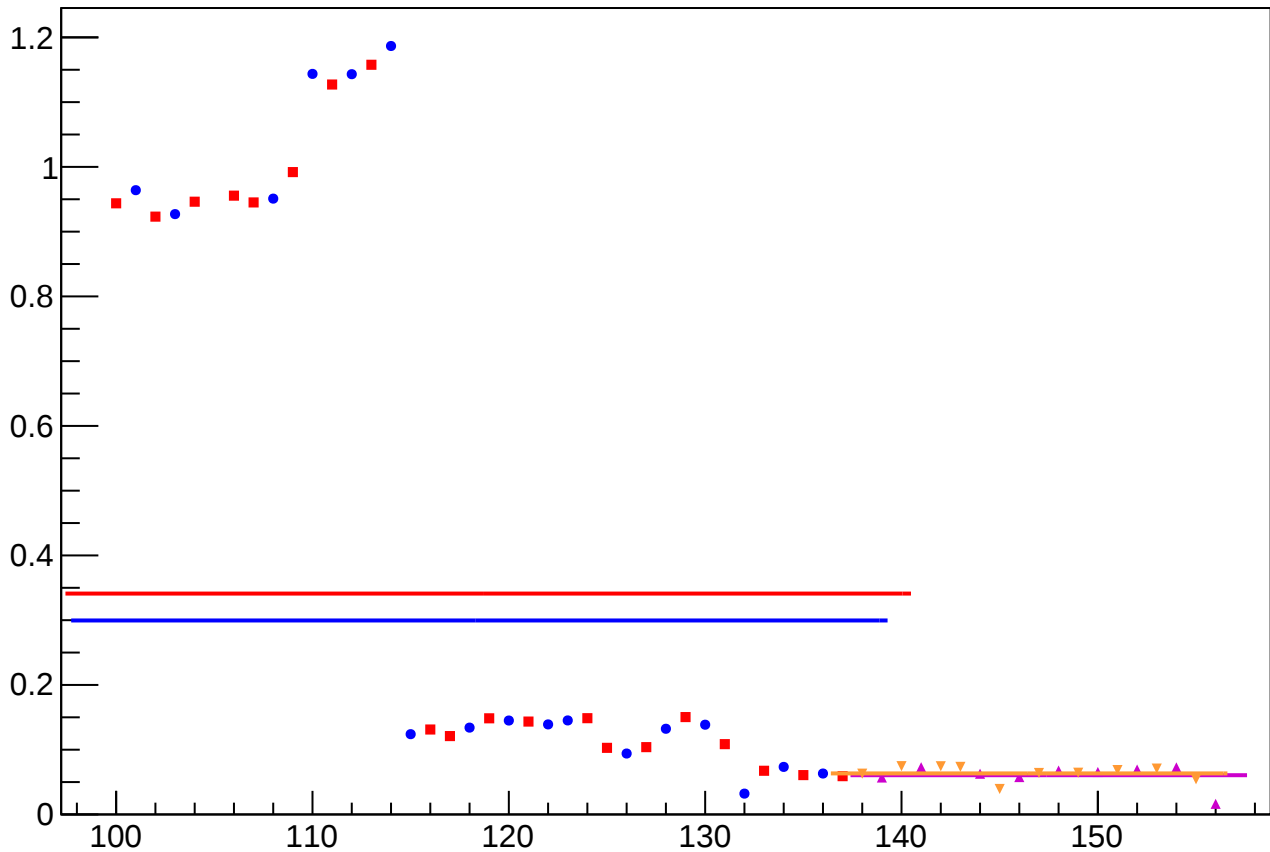
Right Out: 0.020+/-0.000 χ^2/NDF : 1455211.7/19

Left In: 0.020+/-0.000 χ^2/NDF : 439422.6/8

0.019+/-0.000 χ^2/NDF : 1529094.7/26

0.020+/-0.000 χ^2/NDF : 1896459.0/28

yield_bpm4ecY_mean vs Slug



Right In: 0.300+/-0.000 χ^2/NDF : 5165052137.6/16

Left Out: 0.063+/-0.000 χ^2/NDF : 7436720.5/9

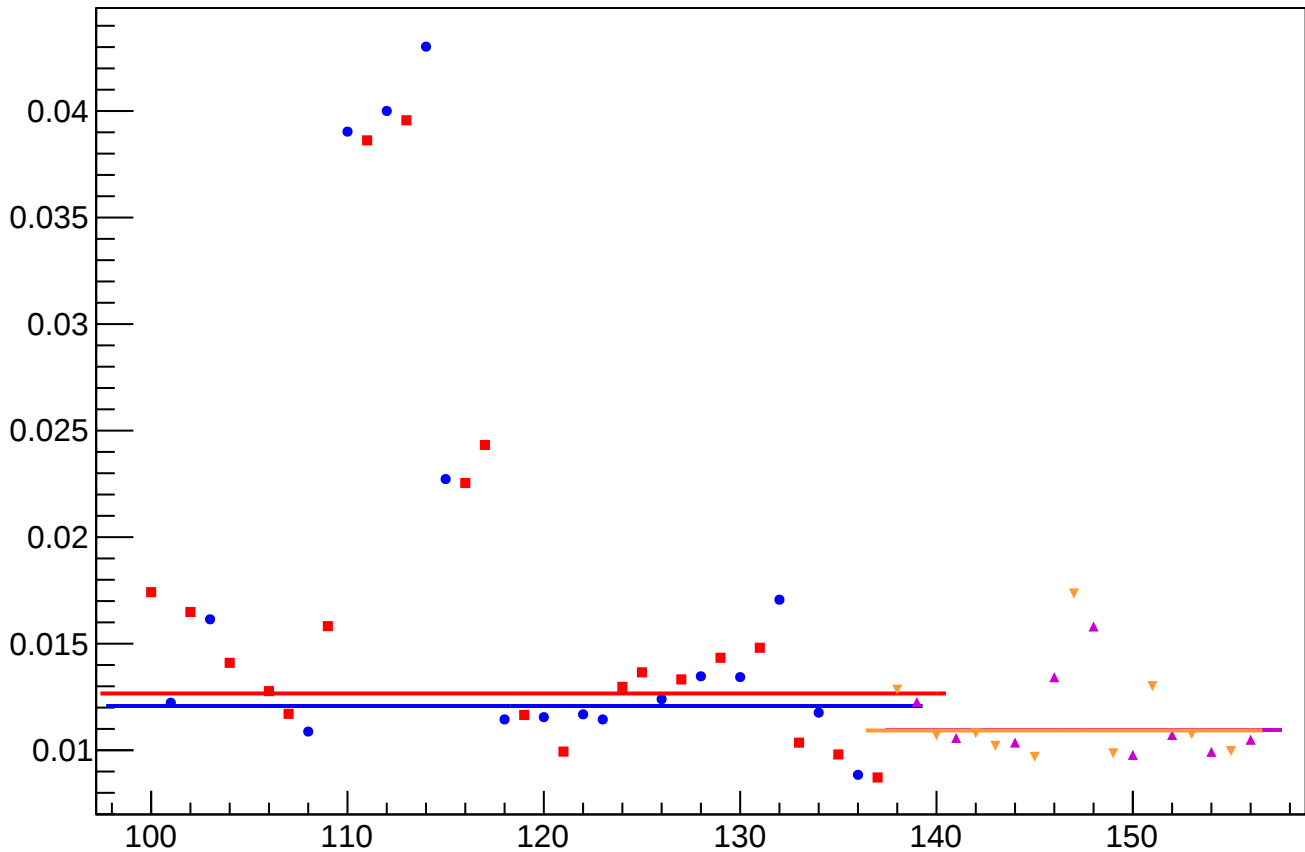
0.159+/-0.000 χ^2/NDF : 6466160660.2/26

Right Out: 0.341+/-0.000 χ^2/NDF : 5453748737.7/19

0.170+/-0.000 χ^2/NDF : 7244015154.4/28

Left In: 0.061+/-0.000 χ^2/NDF : 17042236.6/8

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1282097.7/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:338910.1/9

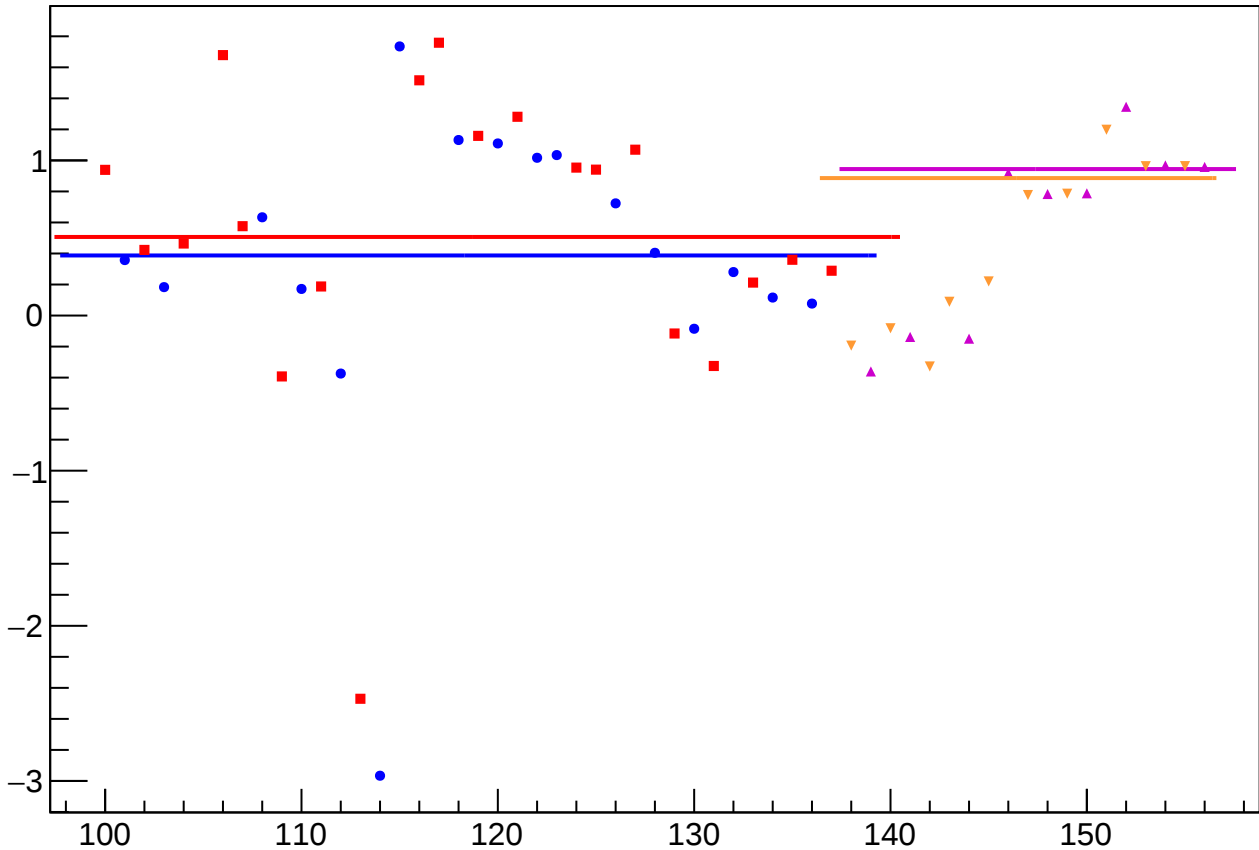
0.011 $\pm$ 0.000 χ^2 /NDF: 1682240.5/26

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1255391.1/19

0.012 $\pm$ 0.000 χ^2 /NDF: 1652911.7/28

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:265034.3/8

yield_bpm1X_mean vs Slug



Right In: 0.387 $\pm$ 0.000 χ^2 /NDF: 247912593.5/16

Left Out: 0.886 $\pm$ 0.000 χ^2 /NDF:685161322.5/9

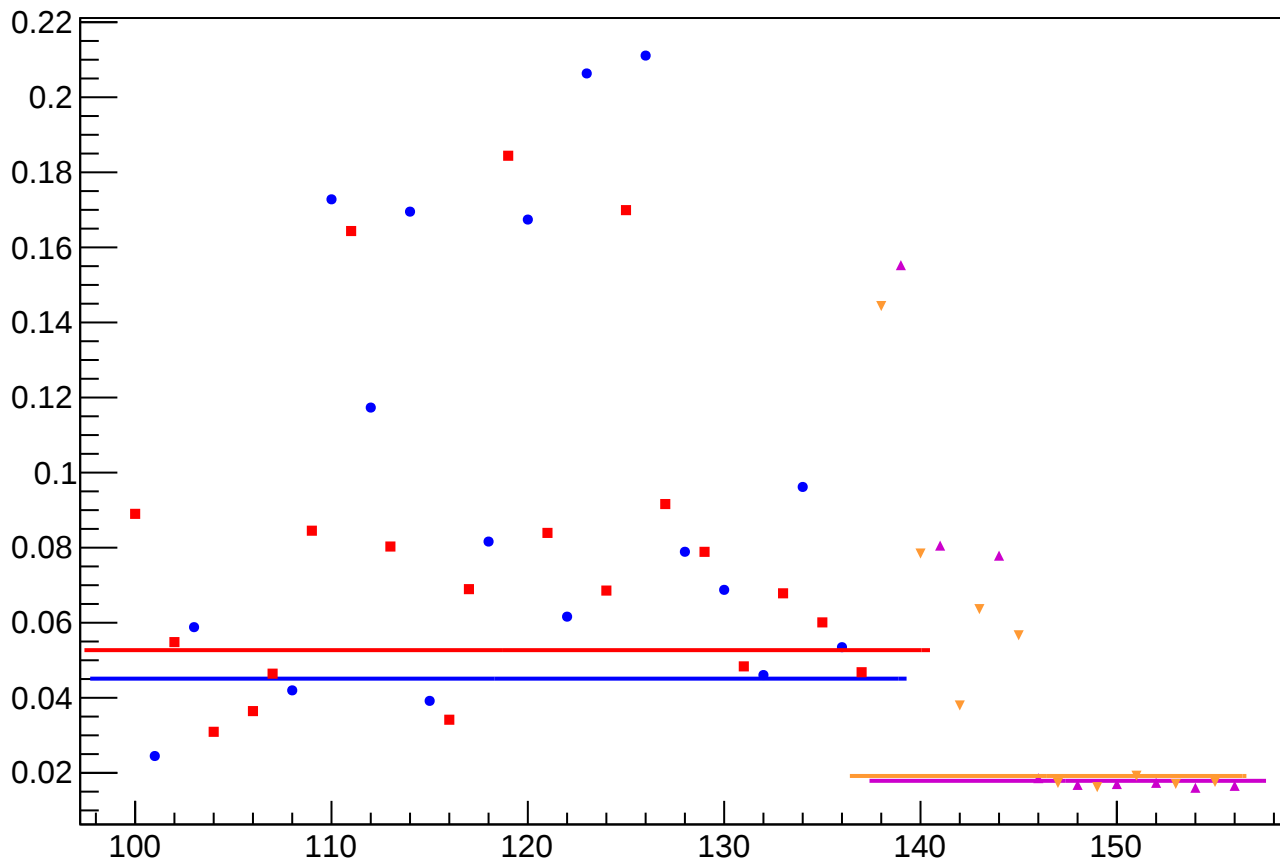
0.823 $\pm$ 0.000 χ^2 /NDF: 1313261799.3/26

Right Out: 0.507 $\pm$ 0.000 χ^2 /NDF: 995347030.4/19

0.904 $\pm$ 0.000 χ^2 /NDF: 2001580851.4/28

Left In: 0.944 $\pm$ 0.000 χ^2 /NDF:745457917.6/8

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2846218.9/16

Left Out: 0.019+/-0.000 χ^2/NDF :2530899.6/9

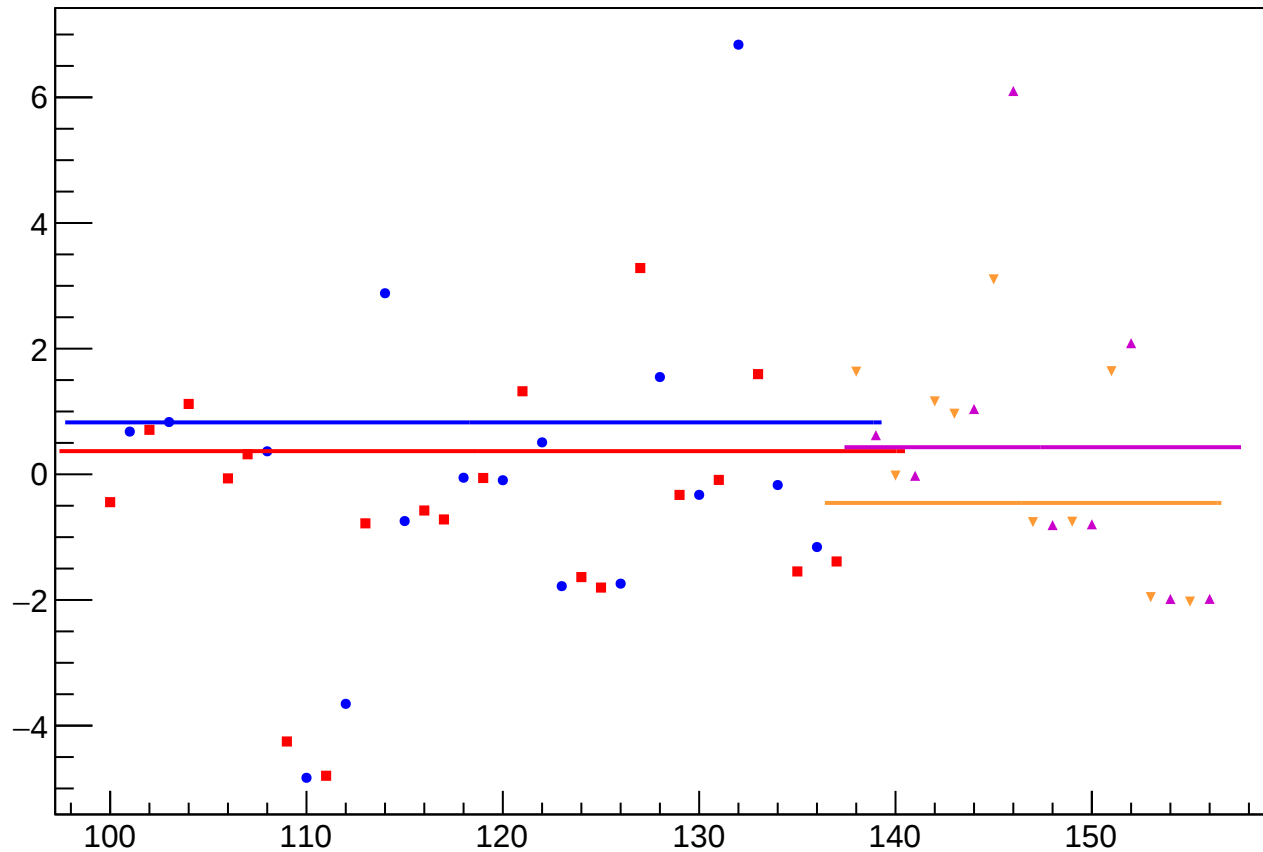
Right Out: 0.053+/-0.000 χ^2/NDF : 2194555.4/19

Left In: 0.018+/-0.000 χ^2/NDF :2180980.3/8

0.022+/-0.000 χ^2/NDF : 7431782.0/26

0.021+/-0.000 χ^2/NDF : 7675864.0/28

yield_bpm1Y_mean vs Slug



Right In: 0.827 ± 0.000 $\chi^2/\text{NDF}: 10936458870.4/16$

Left Out: -0.455 ± 0.000 $\chi^2/\text{NDF}: 65761362843.4/9$

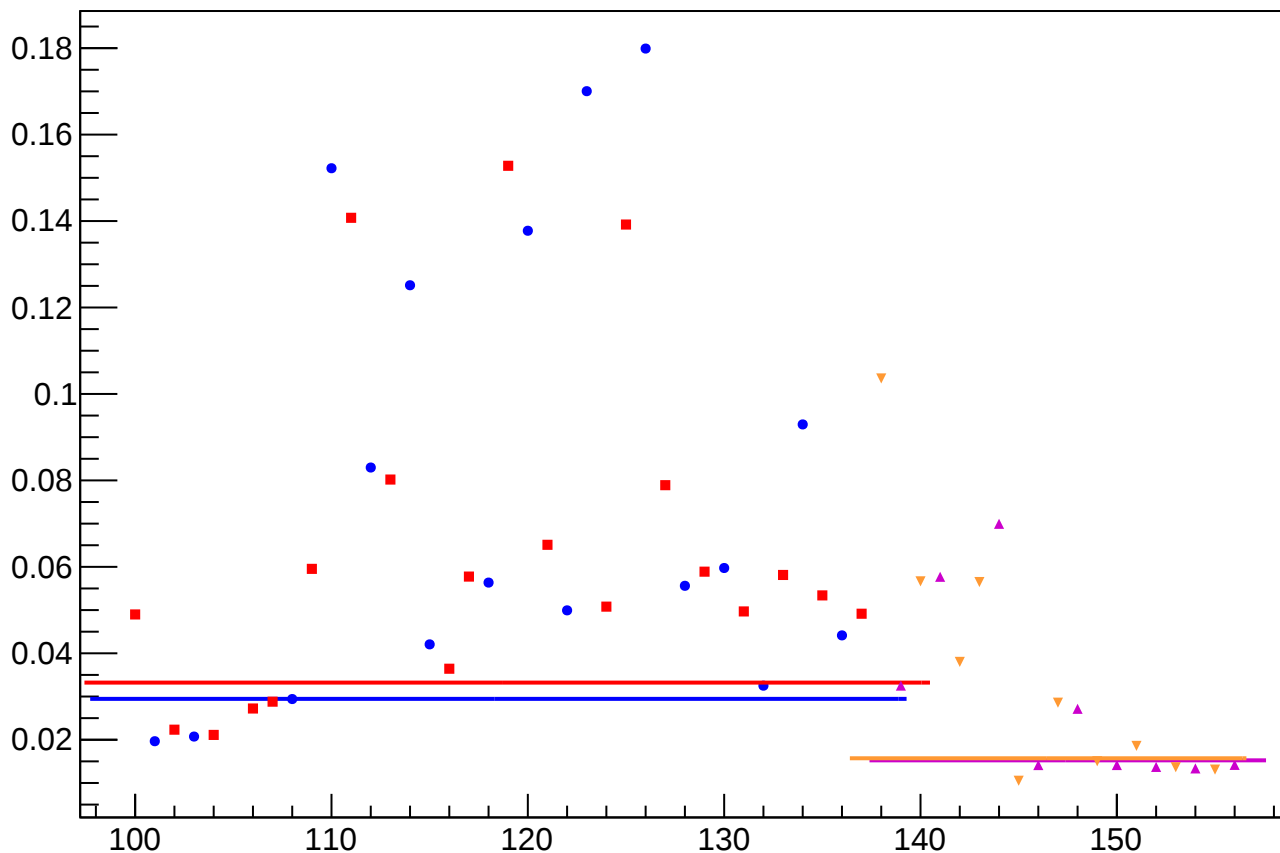
Right Out: 0.369 ± 0.000 $\chi^2/\text{NDF}: 4985860510.0/19$

Left In: 0.432 ± 0.000 $\chi^2/\text{NDF}: 179808855142.4/8$

-0.230 ± 0.000 $\chi^2/\text{NDF}: 82027370281.2/26$

0.423 ± 0.000 $\chi^2/\text{NDF}: 184806637679.8/28$

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.016+/-0.000 χ^2/NDF :2518399.6/9

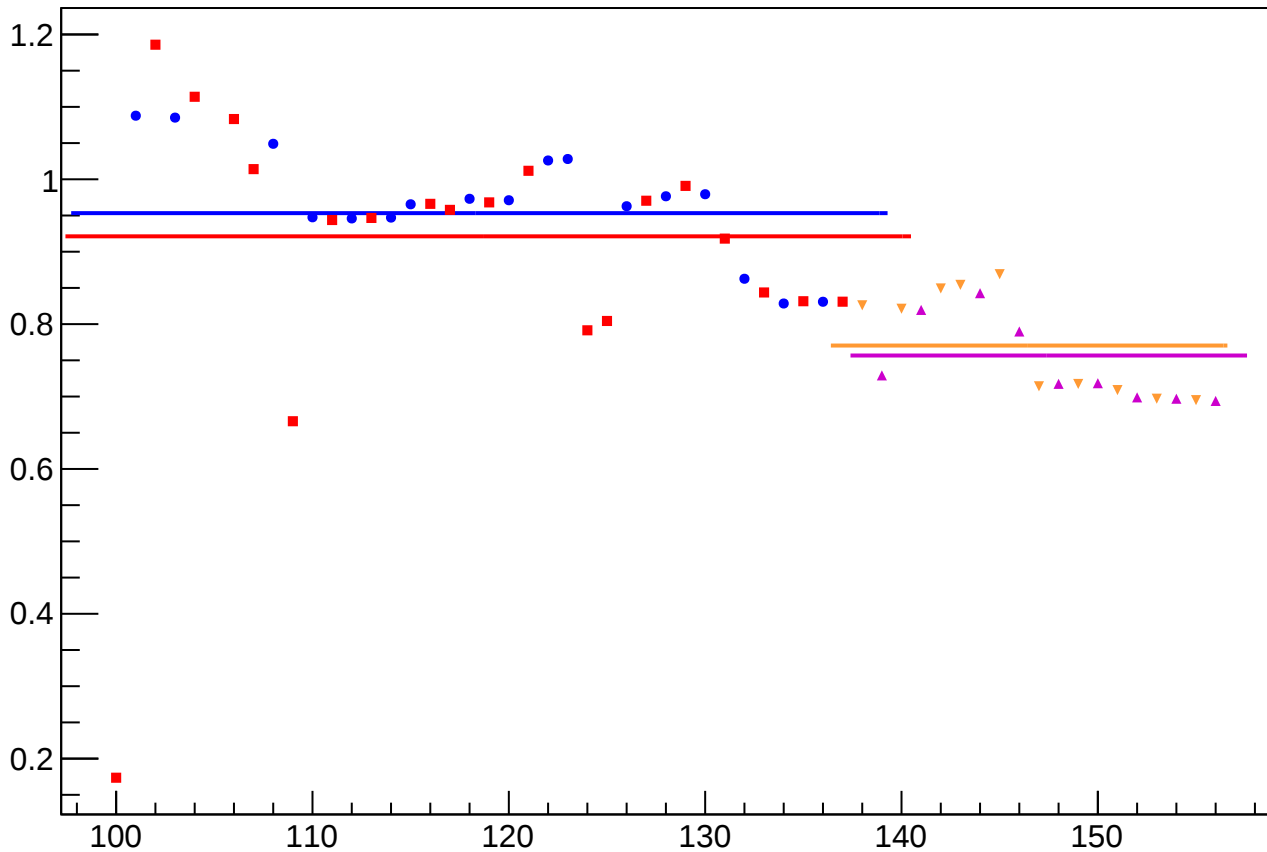
Right Out: 0.033+/-0.000 χ^2/NDF : 3110014.7/19

Left In: 0.015+/-0.000 χ^2/NDF :1660212.4/8

0.018+/-0.000 χ^2/NDF : 6797387.0/26

0.018+/-0.000 χ^2/NDF : 6725965.8/28

yield_bpm11X_mean vs Slug



Right In: 0.953 ± 0.000 χ^2/NDF : 175396553.4/16

Left Out: 0.770 ± 0.000 χ^2/NDF : 190505762.4/9

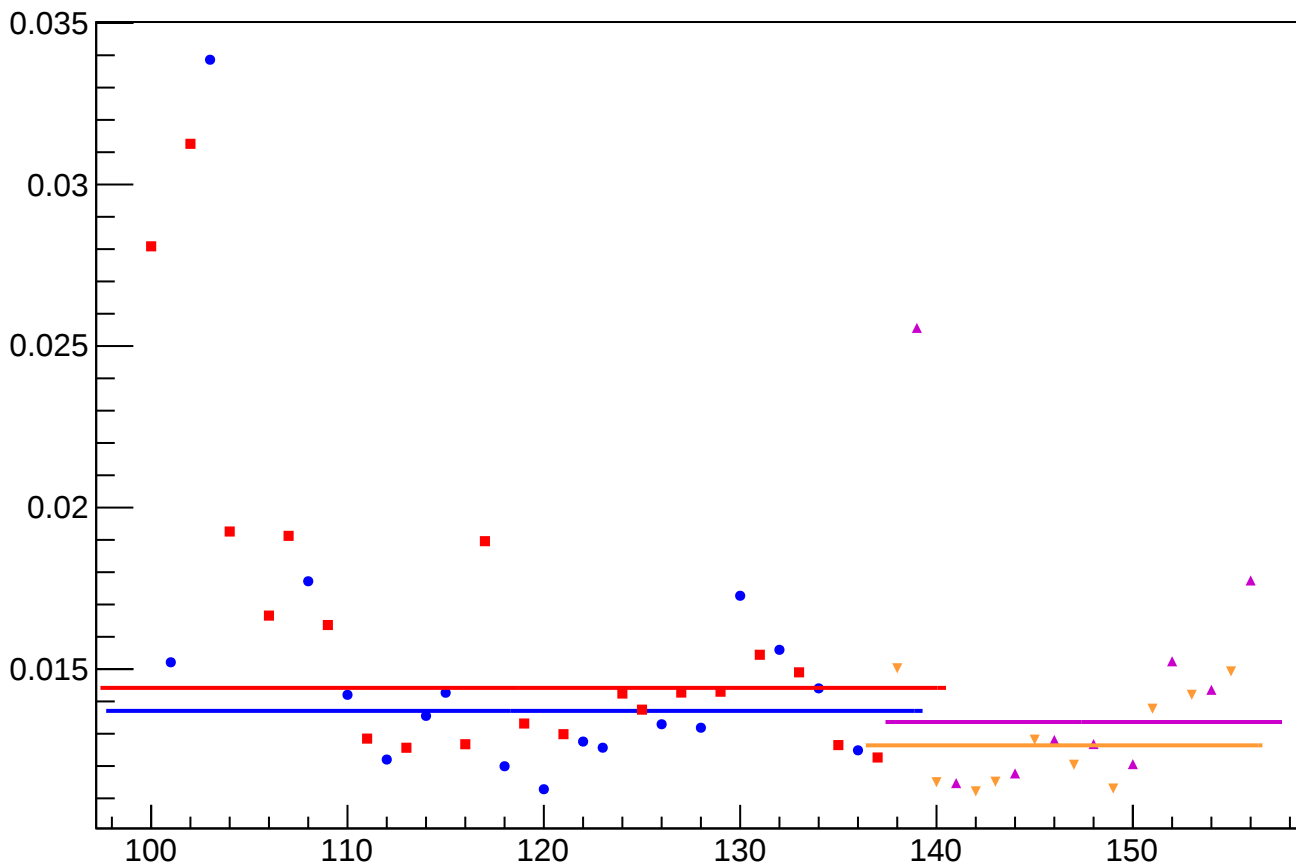
Right Out: 0.921 ± 0.000 χ^2/NDF : 374376205.4/19

Left In: 0.757 ± 0.000 χ^2/NDF : 115347054.5/8

0.851 ± 0.000 χ^2/NDF : 947520369.2/26

0.831 ± 0.000 χ^2/NDF : 925524557.2/28

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 546317.6/16

Left Out: 0.013+/-0.000 χ^2/NDF :150659.8/9

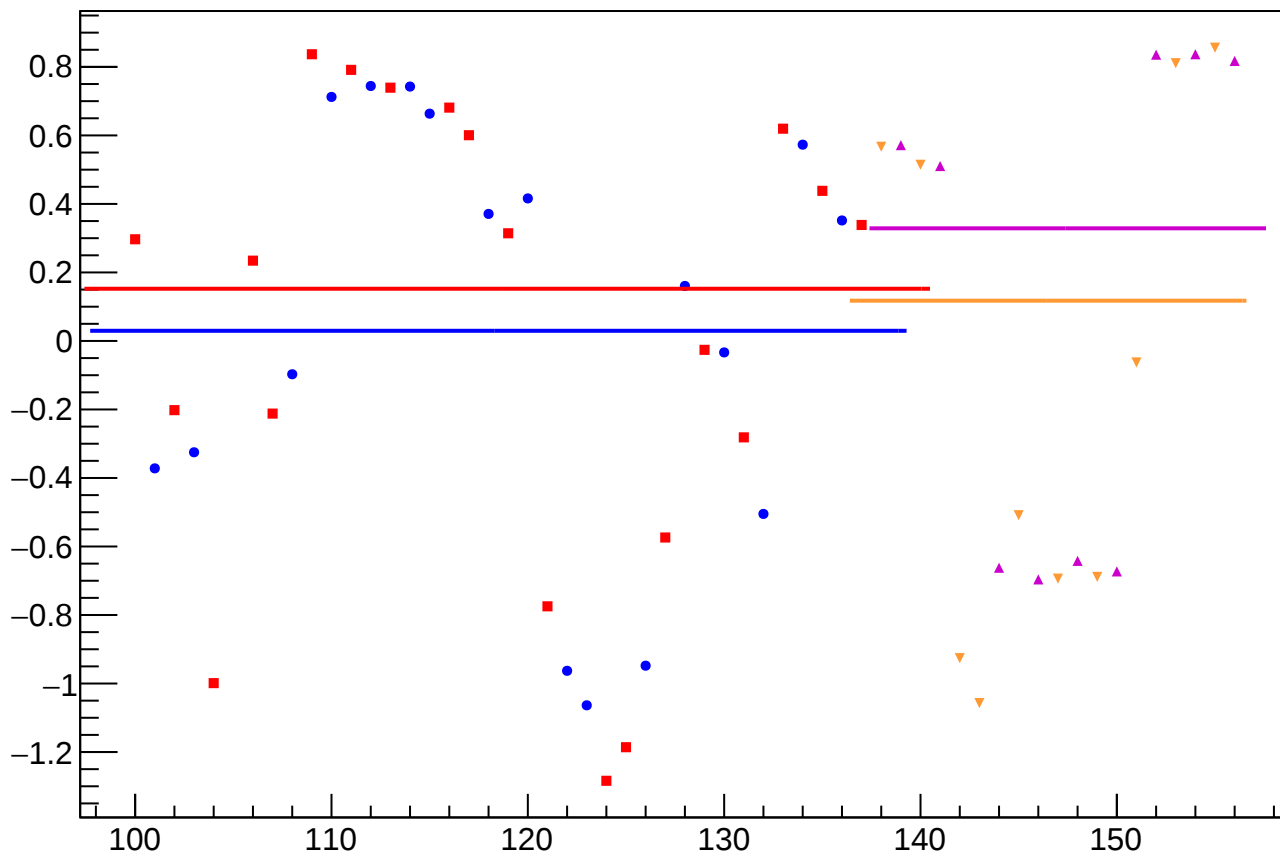
Right Out: 0.014+/-0.000 χ^2/NDF : 506553.4/19

Left In: 0.013+/-0.000 χ^2/NDF :504068.3/8

0.013+/-0.000 χ^2/NDF : 736579.2/26

0.014+/-0.000 χ^2/NDF : 1046551.3/28

yield_bpm11Y_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 6294824795.0/16

Left Out: 0.118+/-0.000 χ^2/NDF :21436974451.3/9

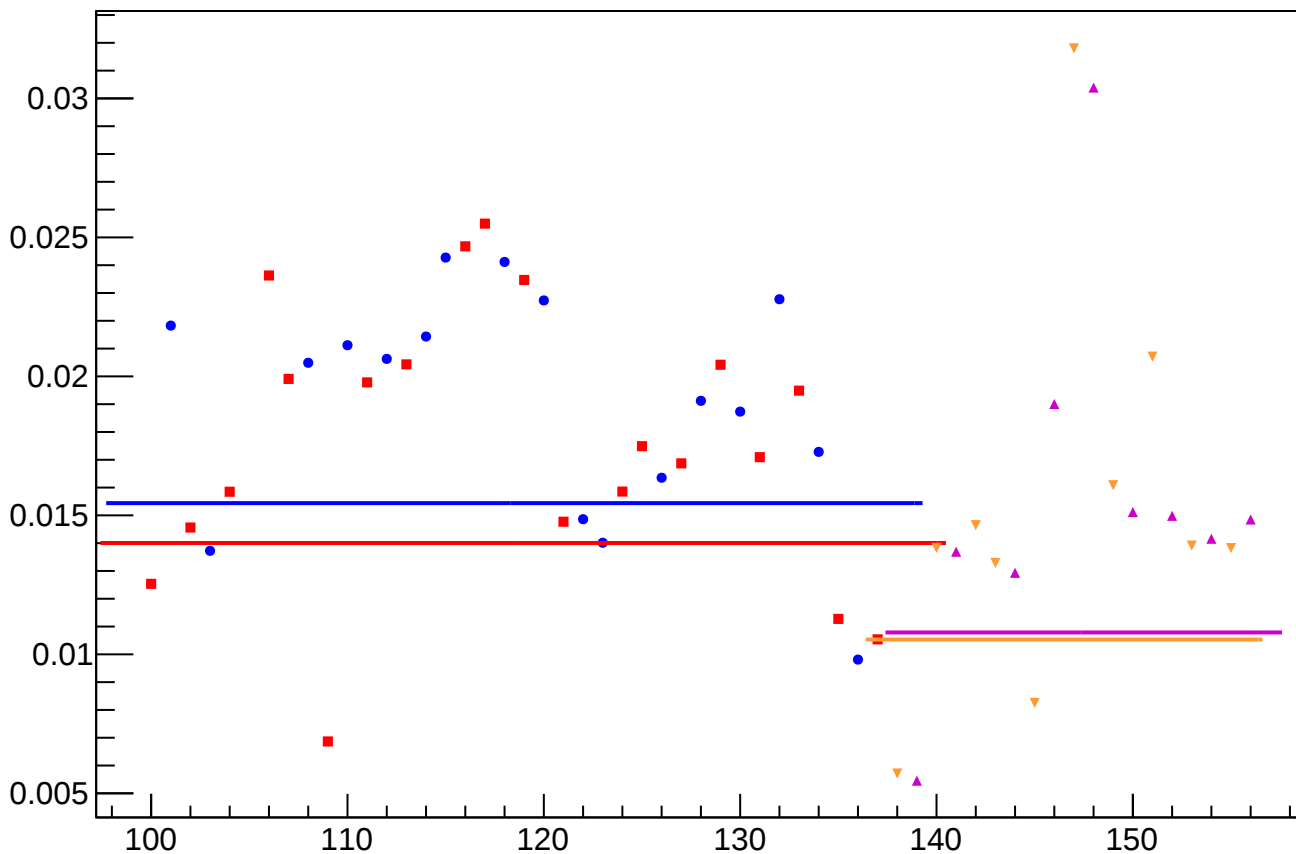
Right Out: 0.152+/-0.000 χ^2/NDF : 12673501089.9/19

Left In: 0.329+/-0.000 χ^2/NDF :15565596206.3/8

0.089+/-0.000 χ^2/NDF : 27855943563.1/26

0.263+/-0.000 χ^2/NDF : 28796751776.1/28

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.011+/-0.000 χ^2/NDF : 2513115.2/9

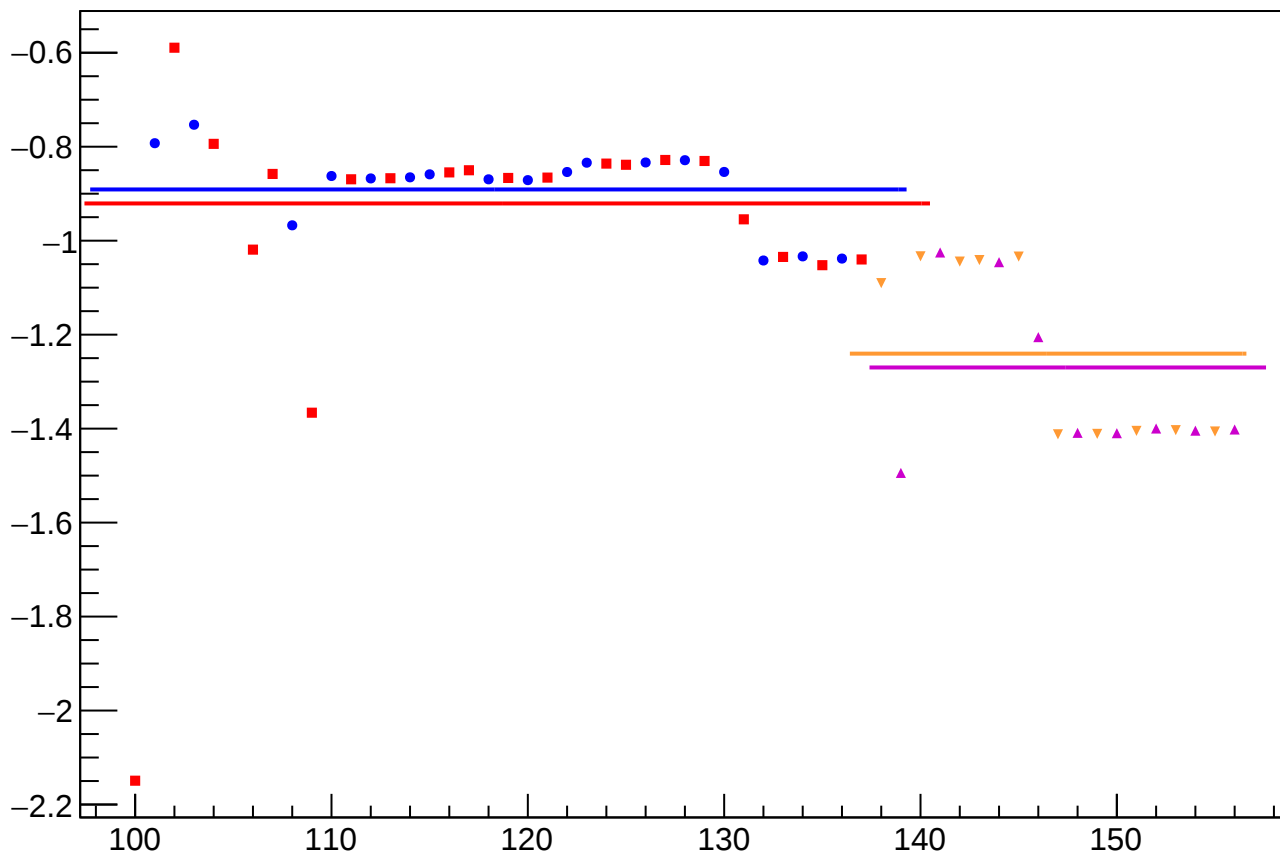
Right Out: 0.014+/-0.000 χ^2/NDF : 1576149.9/19

Left In: 0.011+/-0.000 χ^2/NDF : 2686571.2/8

0.012+/-0.000 χ^2/NDF : 4449303.9/26

0.012+/-0.000 χ^2/NDF : 4634320.8/28

yield_bpm12X_mean vs Slug



Right In: -0.891+/-0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.240+/-0.000 χ^2/NDF : 200278453.4/9

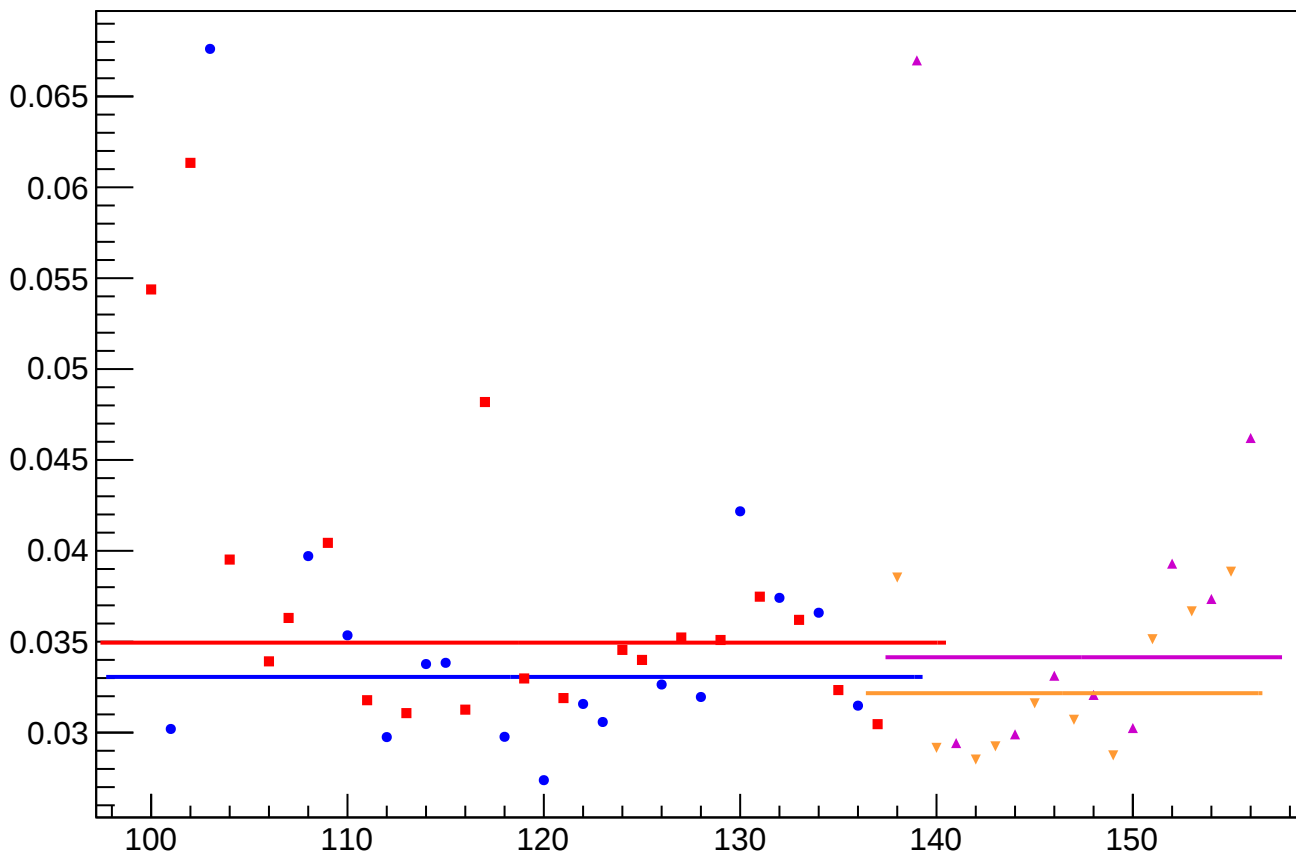
Right Out: -0.921+/-0.000 χ^2/NDF : 131271770.4/19

Left In: -1.270+/-0.000 χ^2/NDF : 155142219.2/8

-1.076+/-0.000 χ^2/NDF : 588046500.8/26

-1.101+/-0.000 χ^2/NDF : 604855824.0/28

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 409286.7/16

Left Out: 0.032+/-0.000 χ^2/NDF :167987.4/9

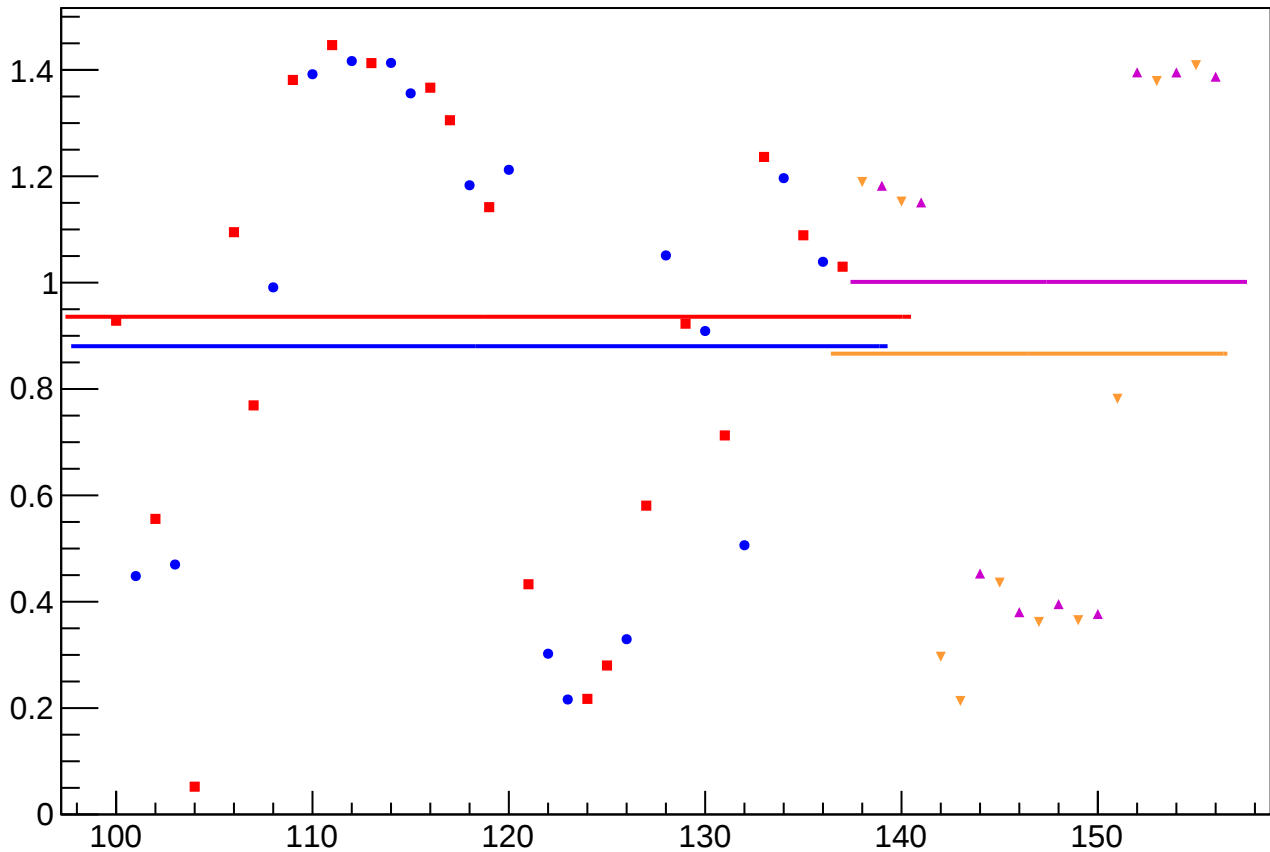
Right Out: 0.035+/-0.000 χ^2/NDF : 280500.4/19

Left In: 0.034+/-0.000 χ^2/NDF :544517.0/8

0.033+/-0.000 χ^2/NDF : 581838.7/26

0.035+/-0.000 χ^2/NDF : 828388.7/28

yield_bpm12Y_mean vs Slug



Right In: 0.880 $\pm$ 0.000 χ^2 /NDF: 6400108121.4/16

Left Out: 0.866 $\pm$ 0.000 χ^2 /NDF:17850340470.9/9

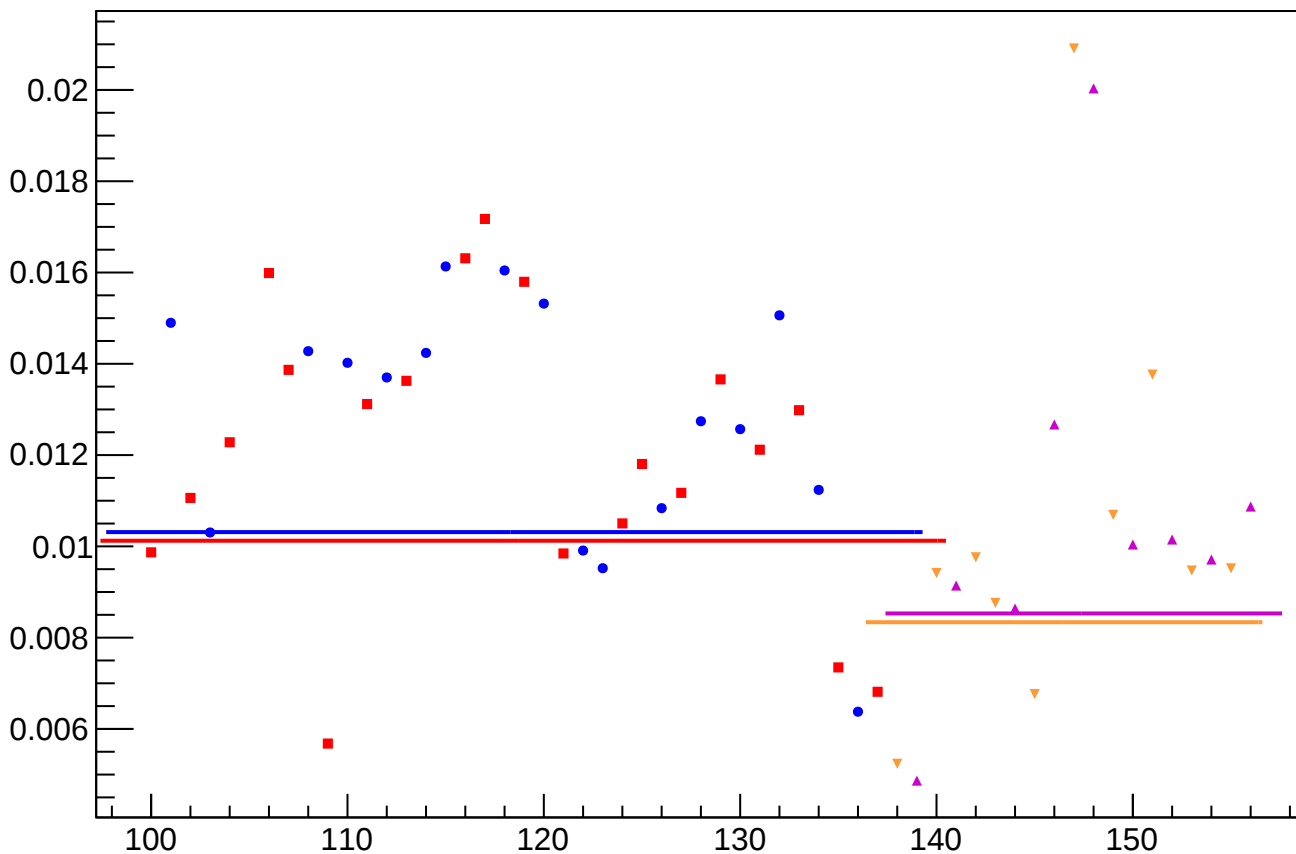
Right Out: 0.936 $\pm$ 0.000 χ^2 /NDF: 9851303698.9/19

Left In: 1.001 $\pm$ 0.000 χ^2 /NDF:13664920279.7/8

0.872 $\pm$ 0.000 χ^2 /NDF: 24256934642.5/26

0.975 $\pm$ 0.000 χ^2 /NDF: 23663319270.7/28

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: 1459372.5/9

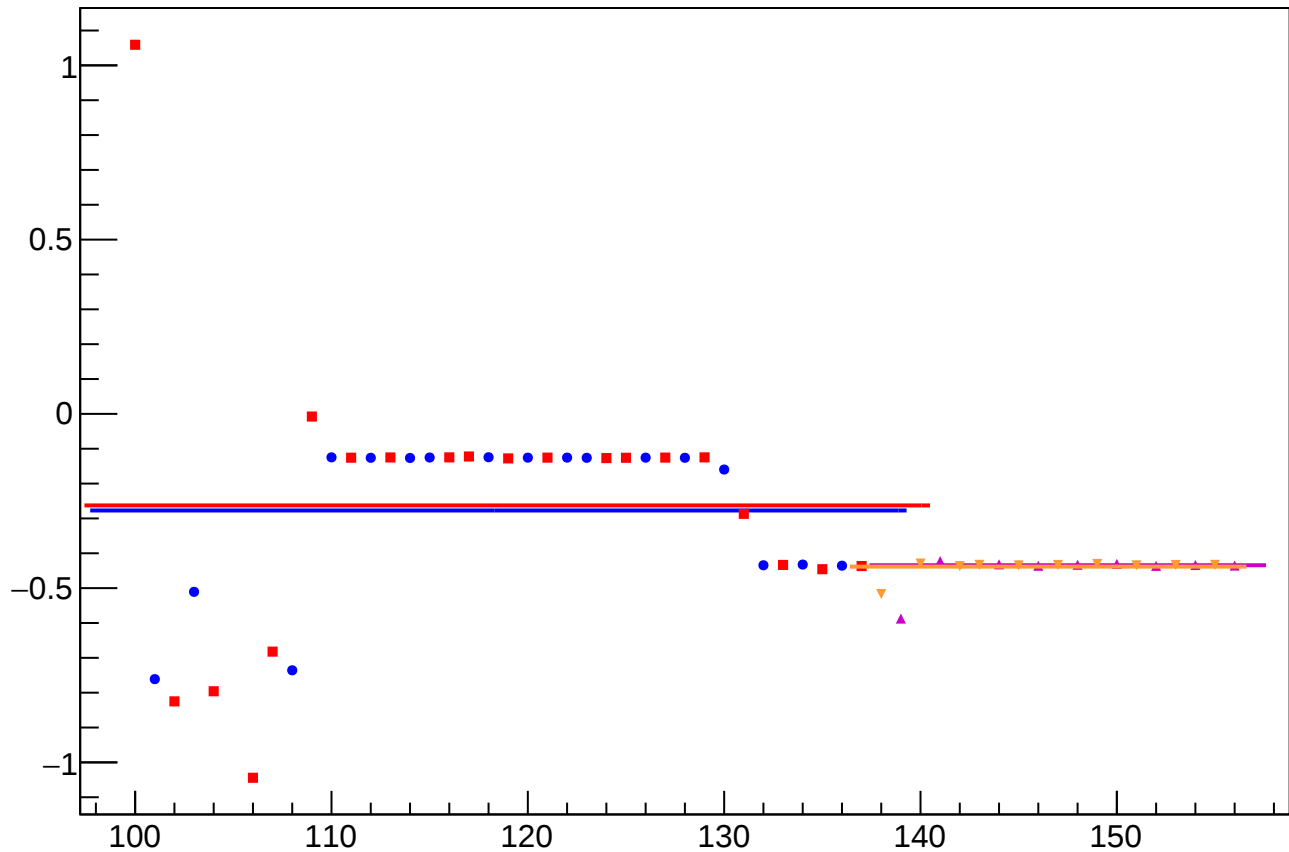
Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1191429.9/19

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1552845.6/8

0.009 $\pm$ 0.000 χ^2 /NDF: 2949012.0/26

0.009 $\pm$ 0.000 χ^2 /NDF: 2918013.6/28

yield_bpm16X_mean vs Slug



Right In: -0.277 ± 0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.438 ± 0.000 χ^2/NDF : 24135514.5/9

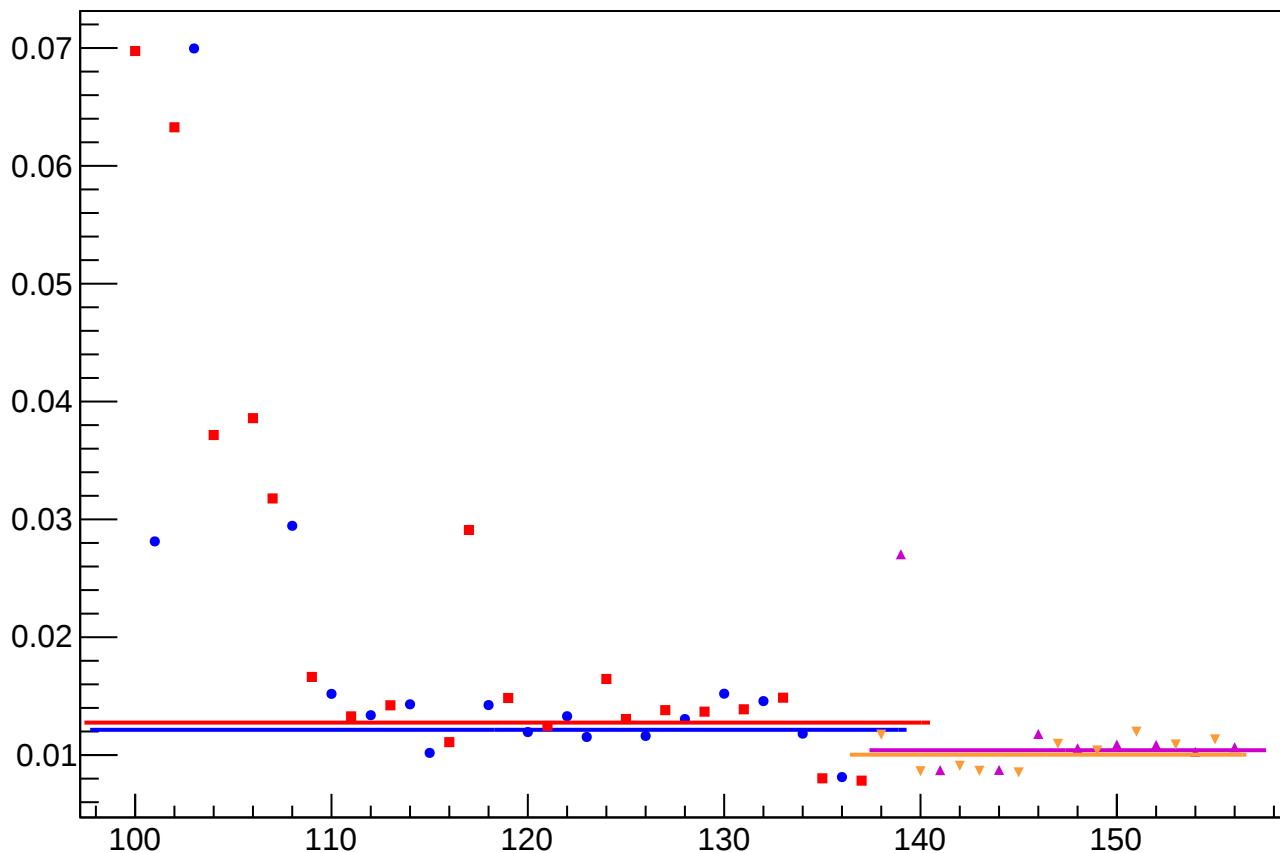
Right Out: -0.263 ± 0.000 χ^2/NDF : 1009303829.9/19

Left In: -0.434 ± 0.000 χ^2/NDF : 22686581.1/8

-0.381 ± 0.000 χ^2/NDF : 1501428432.3/26

-0.373 ± 0.000 χ^2/NDF : 1599434857.4/28

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1727494.7/16

Left Out: 0.010+/-0.000 χ^2/NDF :195192.4/9

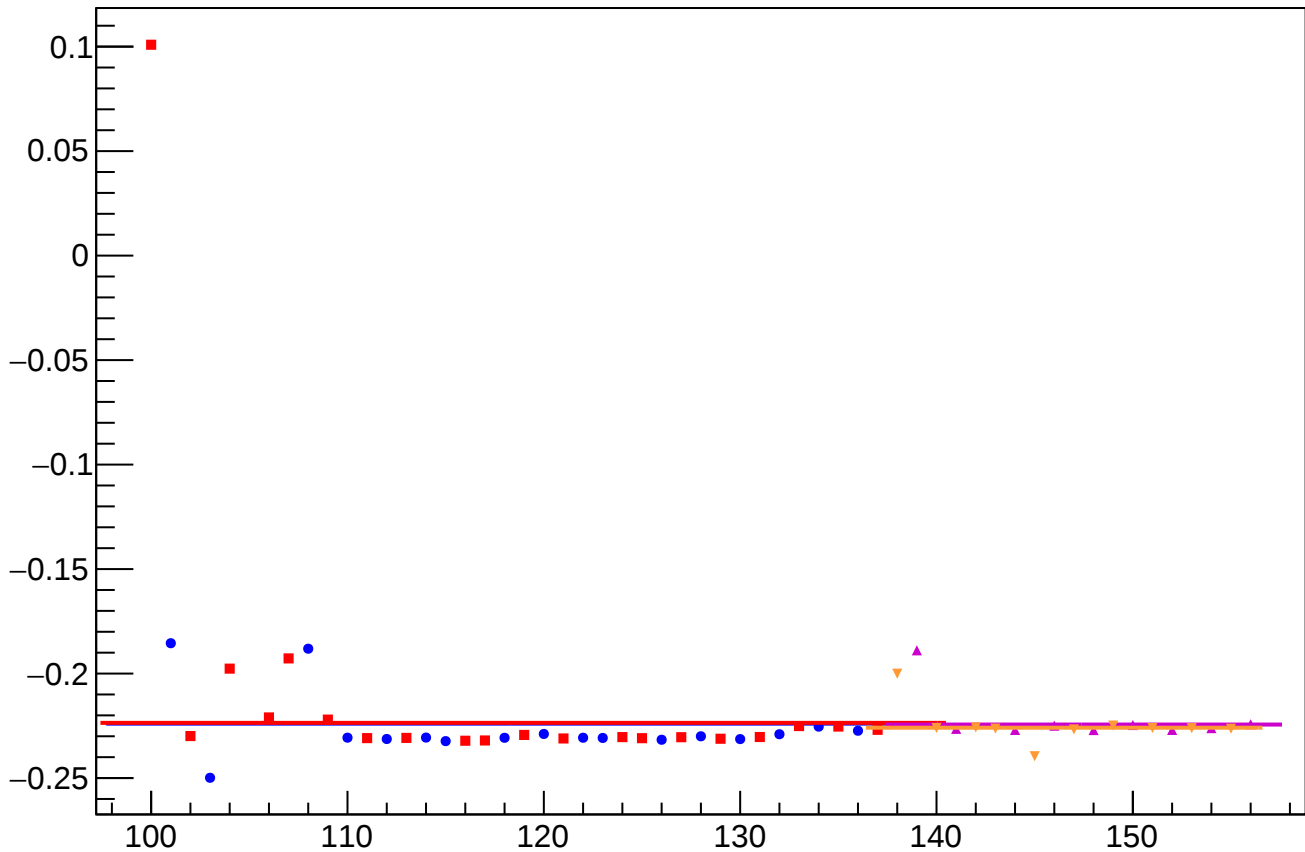
Right Out: 0.013+/-0.000 χ^2/NDF : 1993726.2/19

Left In: 0.010+/-0.000 χ^2/NDF :624559.7/8

0.011+/-0.000 χ^2/NDF : 2107173.6/26

0.011+/-0.000 χ^2/NDF : 2830036.4/28

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 : 20522935.8/9

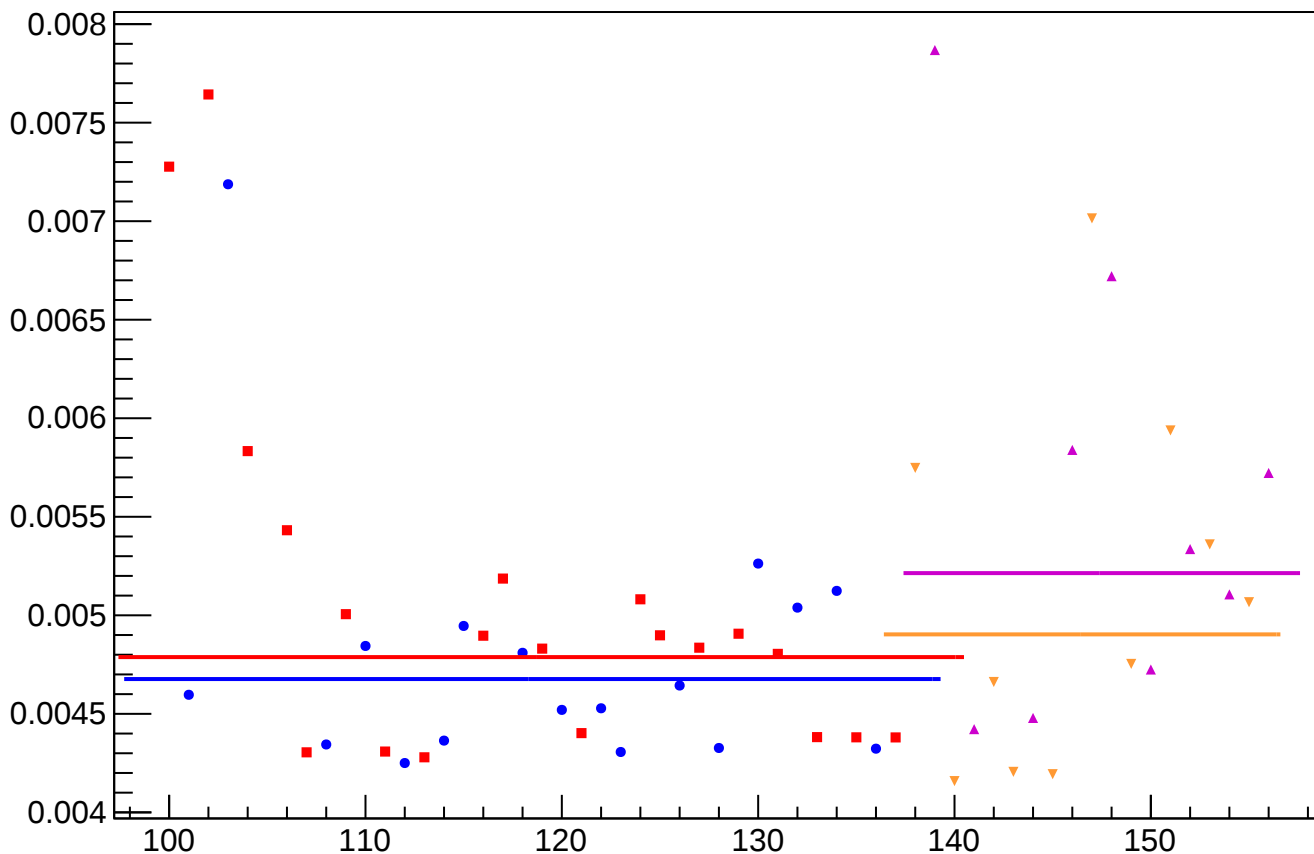
-0.225 ± 0.000 χ^2/NDF : 95763457.9/26

Right Out: -0.224 ± 0.000 χ^2/NDF : 168231258.4/19

-0.224 ± 0.000 χ^2/NDF : 182233525.8/28

Left In: -0.224 ± 0.000 χ^2/NDF : 13917589.2/8

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 : 346769.2/9

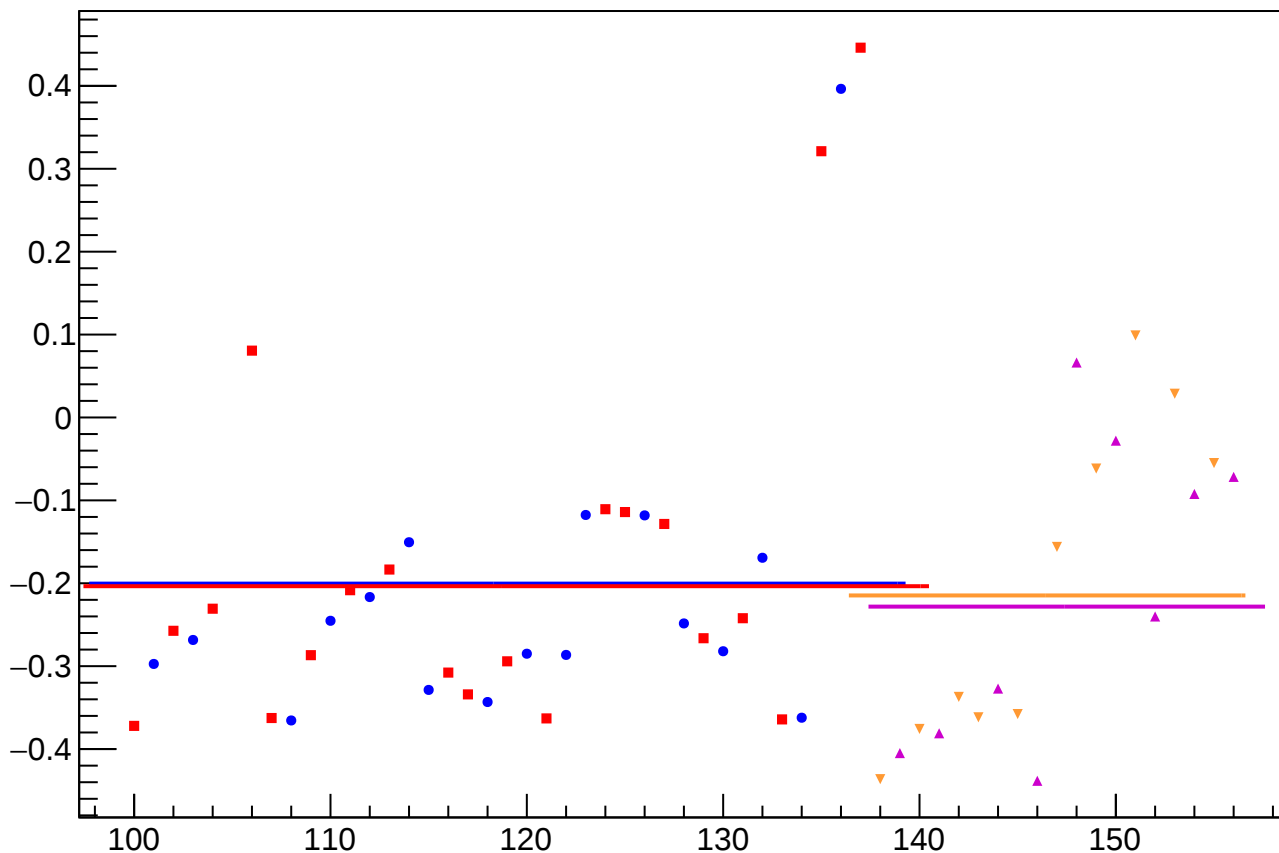
Right Out: 0.005+/-0.000 χ^2/NDF : 248668.3/19

Left In: 0.005+/-0.000 χ^2/NDF : 362282.7/8

0.005+/-0.000 χ^2/NDF : 542348.0/26

0.005+/-0.000 χ^2/NDF : 658617.5/28

yield_bpm0i02X_mean vs Slug



Right In: -0.200 ± 0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.215 ± 0.000 χ^2/NDF : 8275984831.5/9

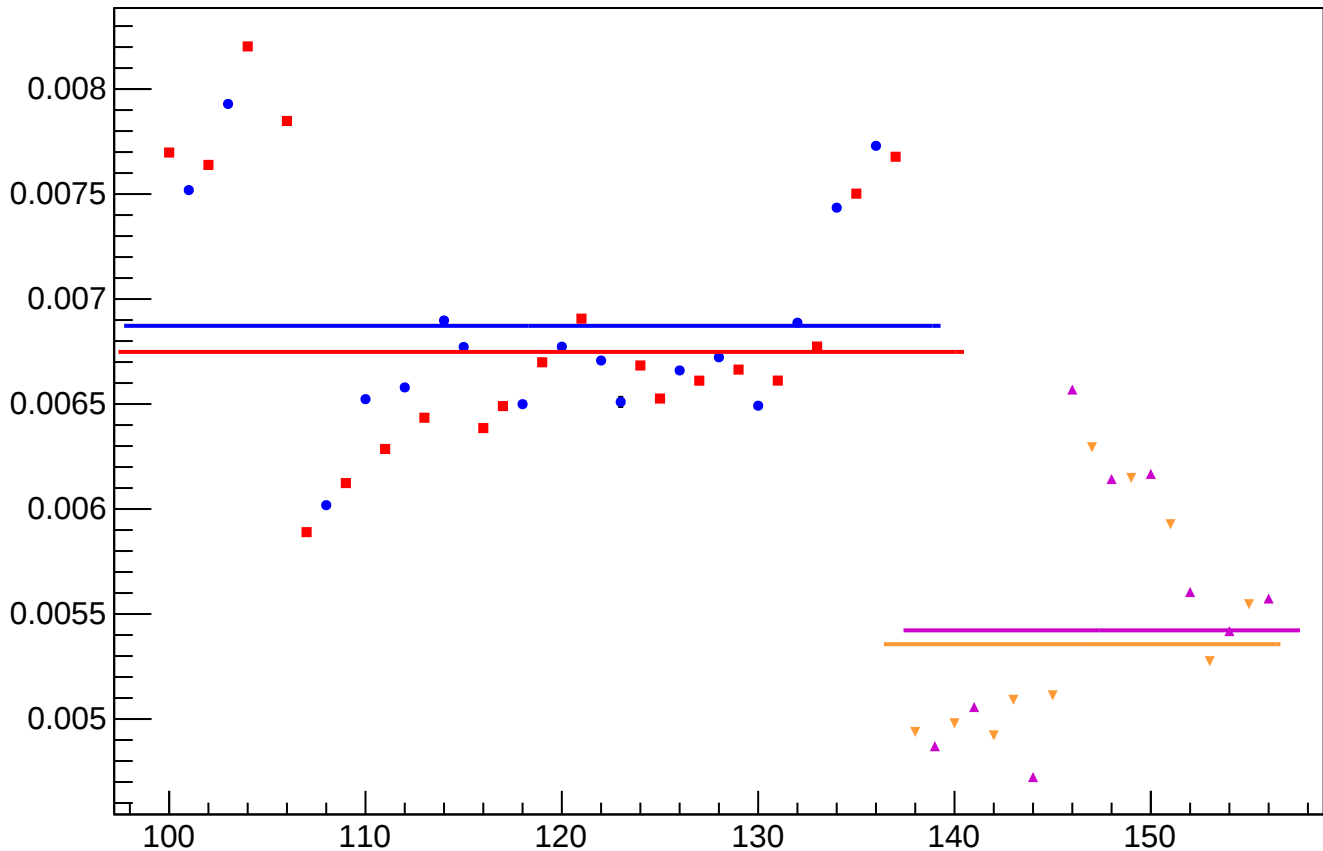
Right Out: -0.204 ± 0.000 χ^2/NDF : 5045878528.0/19

Left In: -0.228 ± 0.000 χ^2/NDF : 6068829563.8/8

-0.209 ± 0.000 χ^2/NDF : 14267301338.1/26

-0.218 ± 0.000 χ^2/NDF : 11169661975.1/28

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 : 99357.1/9

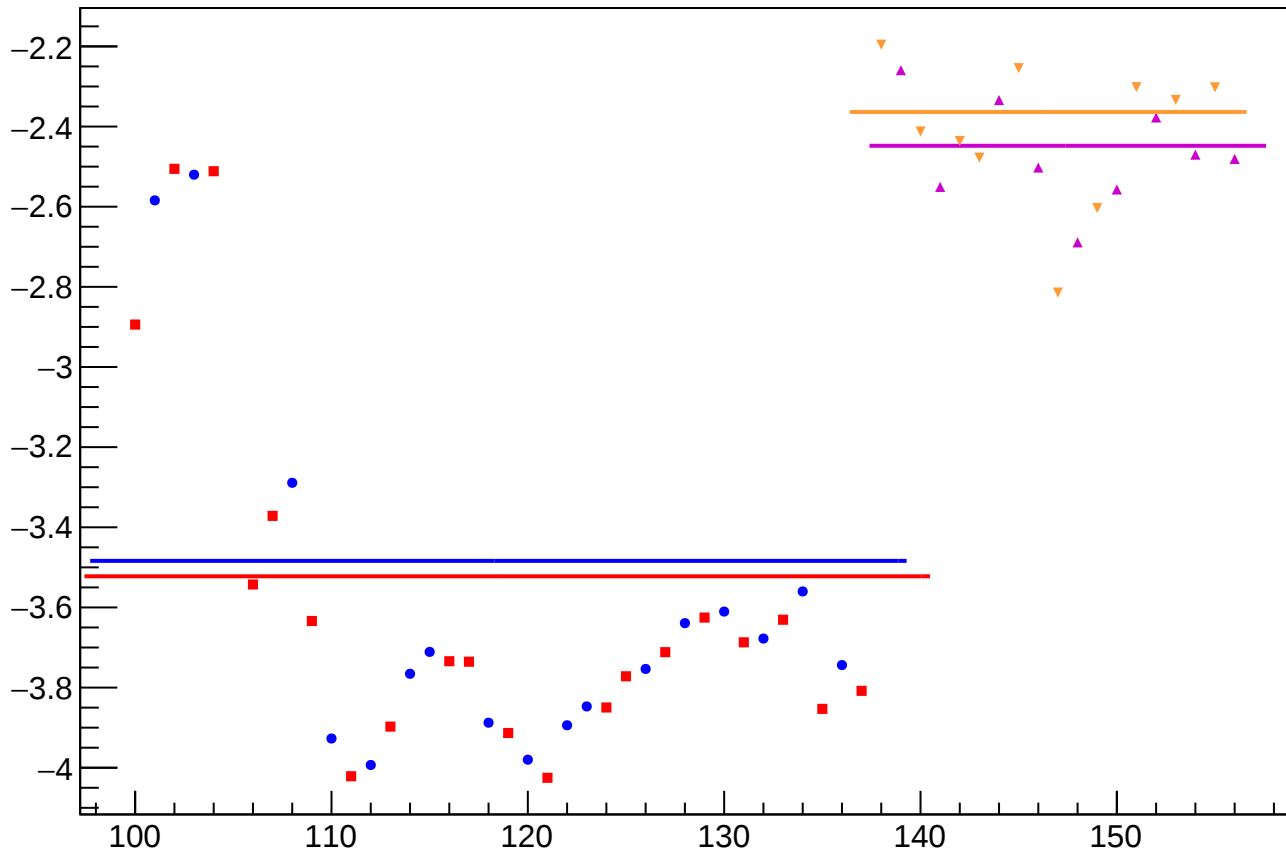
Right Out: 0.007+/-0.000 χ^2/NDF : 105262.1/19

Left In: 0.005+/-0.000 χ^2/NDF : 142680.9/8

0.006+/-0.000 χ^2/NDF : 579796.3/26

0.006+/-0.000 χ^2/NDF : 566702.8/28

yield_bpm0i02Y_mean vs Slug



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.364+/-0.000 χ^2/NDF : 1459633688.4/9

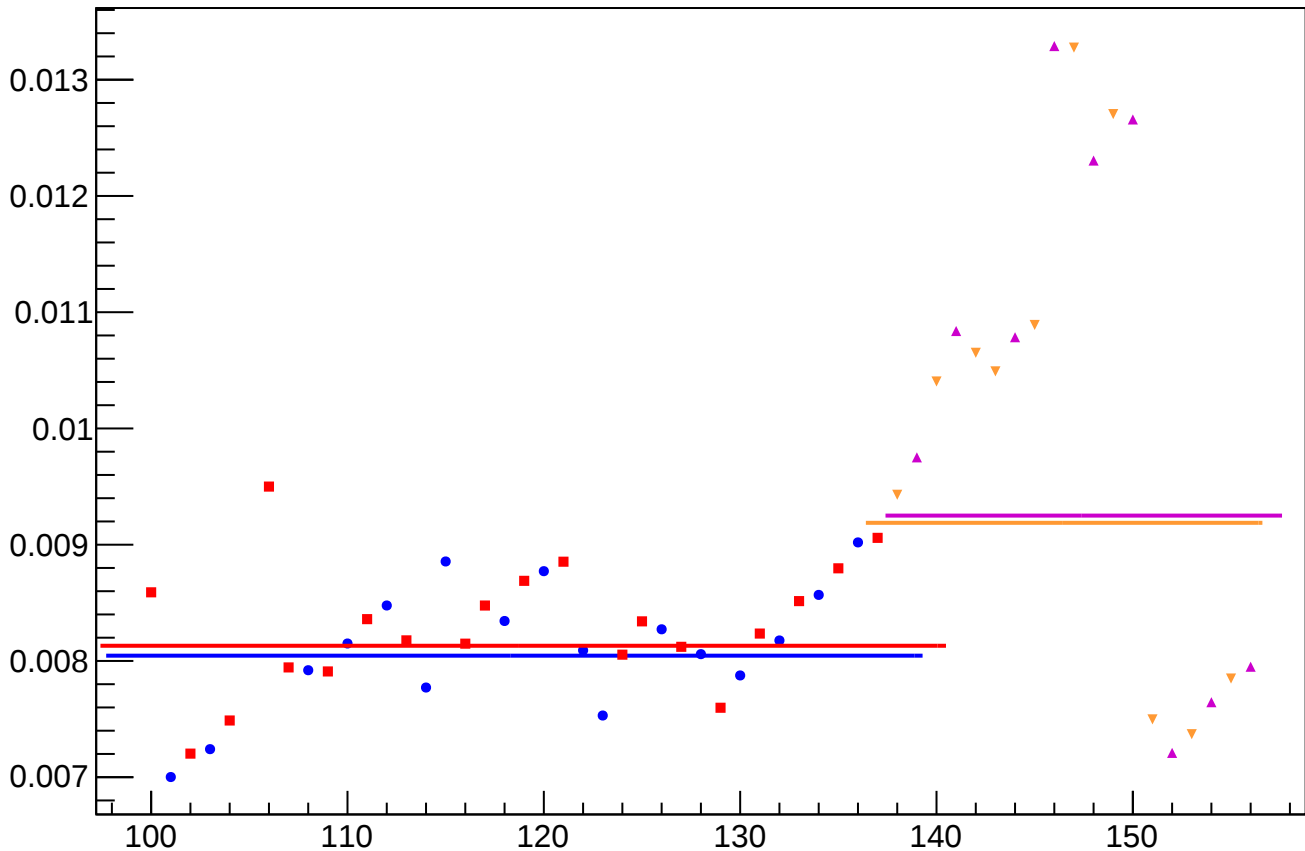
-2.999+/-0.000 χ^2/NDF : 83209318274.4/26

Right Out: -3.522+/-0.000 χ^2/NDF : 26497611752.4/19

-3.069+/-0.000 χ^2/NDF : 77492676461.9/28

Left In: -2.448+/-0.000 χ^2/NDF : 841887049.5/8

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 71989.8/16

Left Out: 0.009+/-0.000 χ^2/NDF :515732.9/9

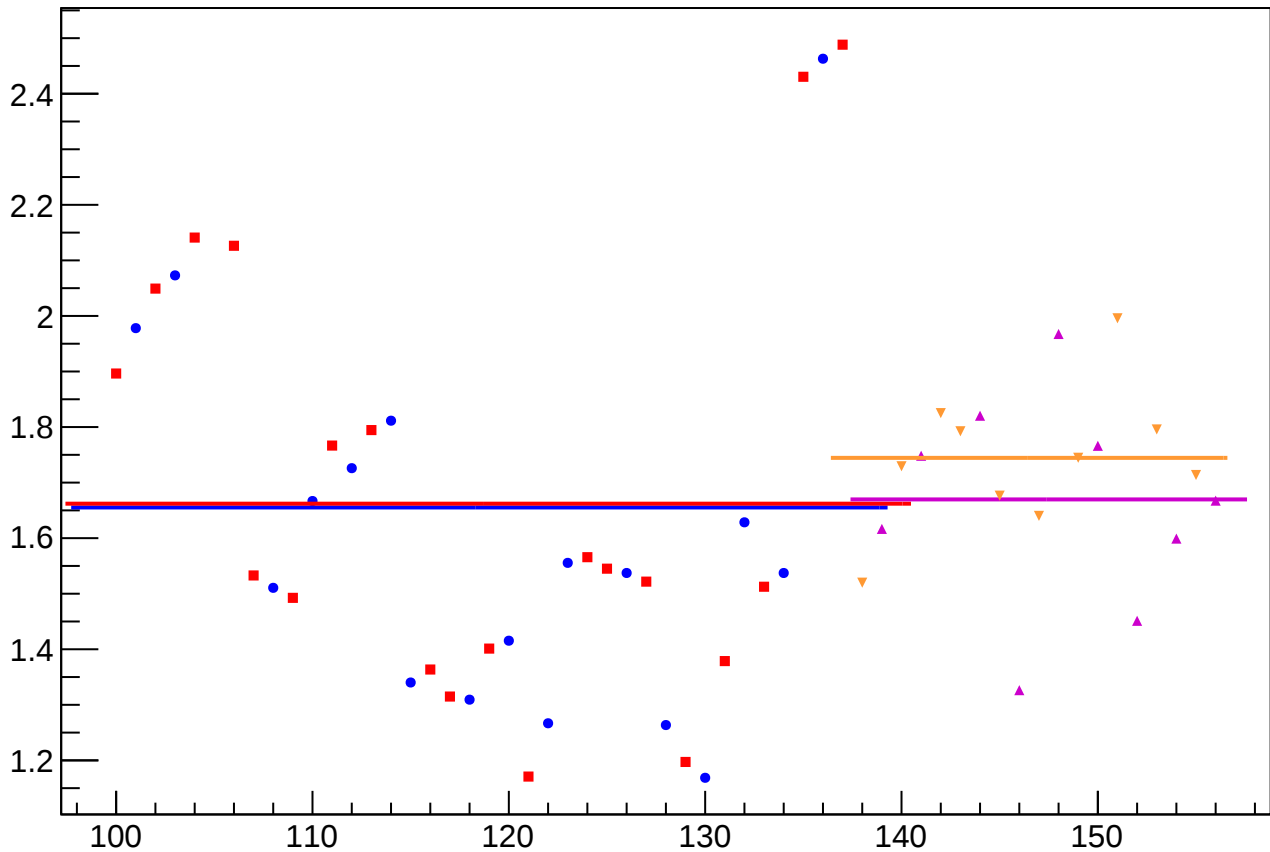
Right Out: 0.008+/-0.000 χ^2/NDF : 57613.2/19

Left In: 0.009+/-0.000 χ^2/NDF :616653.4/8

0.009+/-0.000 χ^2/NDF : 701322.8/26

0.009+/-0.000 χ^2/NDF : 783231.1/28

yield_bpm0i02aX_mean vs Slug



Right In: 1.655+/-0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.745+/-0.000 χ^2/NDF : 866045890.8/9

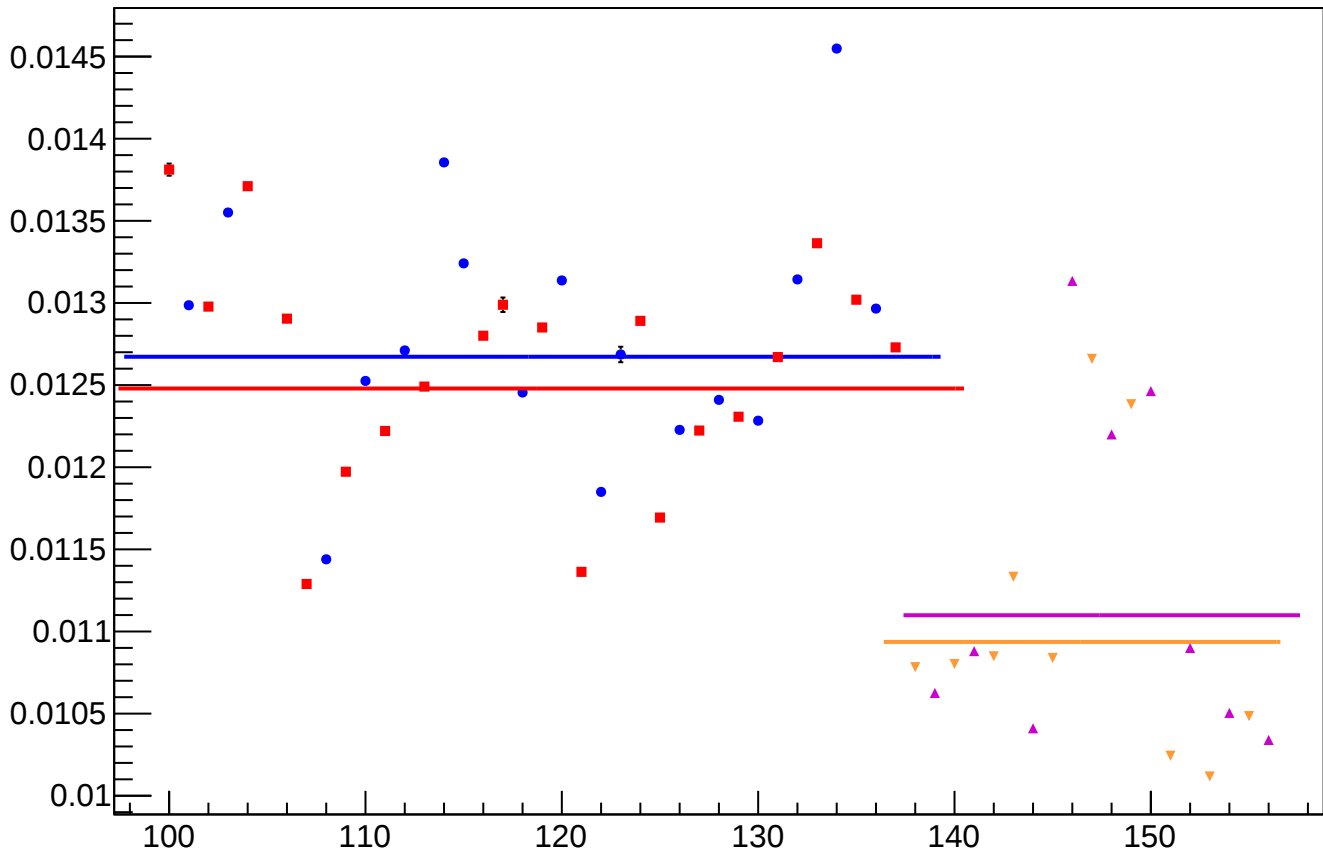
1.708+/-0.000 χ^2/NDF : 7533721580.2/26

Right Out: 1.662+/-0.000 χ^2/NDF : 5975345573.0/19

1.666+/-0.000 χ^2/NDF : 7501391925.4/28

Left In: 1.670+/-0.000 χ^2/NDF : 1524599257.7/8

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 : 68547.4/9

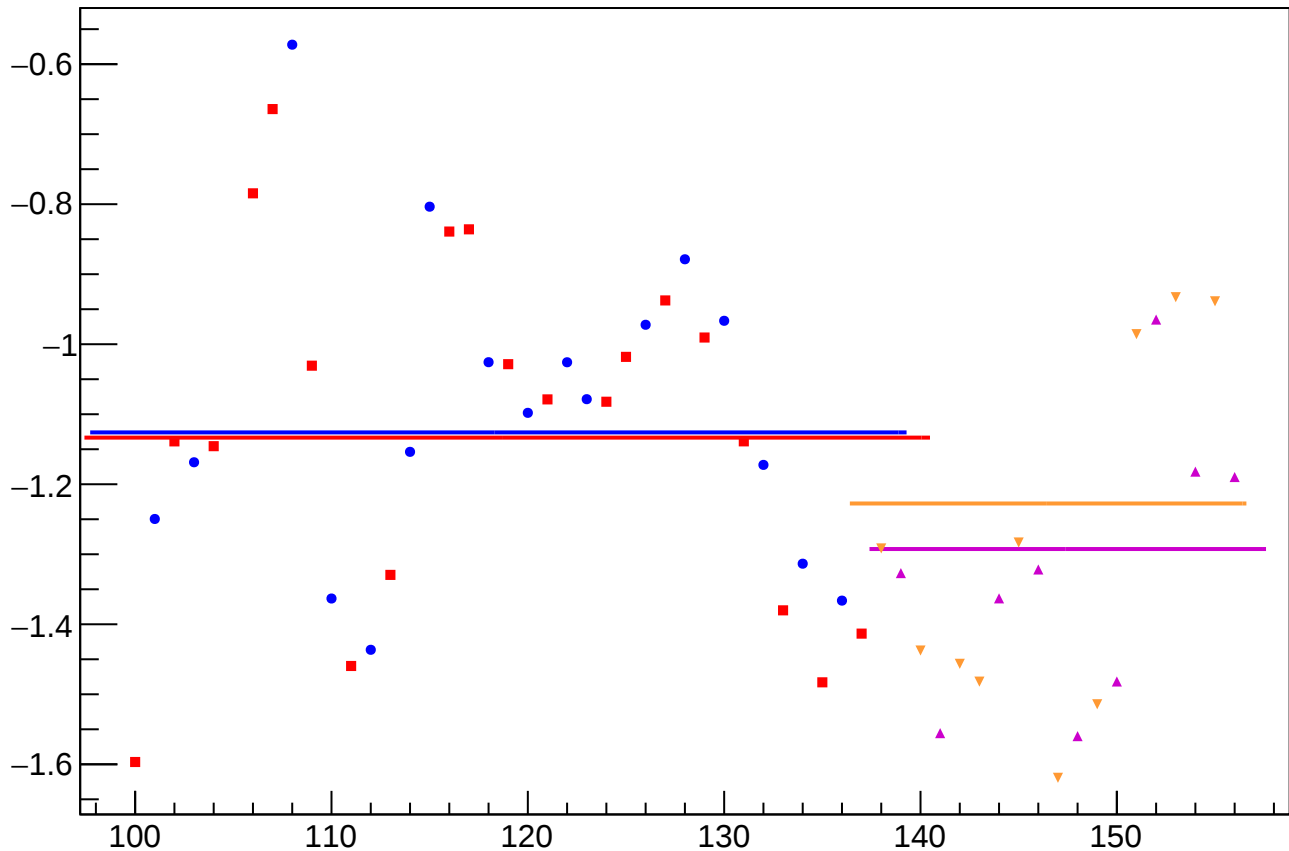
Right Out: 0.012+/-0.000 χ^2/NDF : 39268.9/19

Left In: 0.011+/-0.000 χ^2/NDF : 88598.3/8

0.012+/-0.000 χ^2/NDF : 244943.9/26

0.012+/-0.000 χ^2/NDF : 221811.4/28

yield_bpm0i02aY_mean vs Slug



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.227+/-0.000 χ^2/NDF : 5855167528.1/9

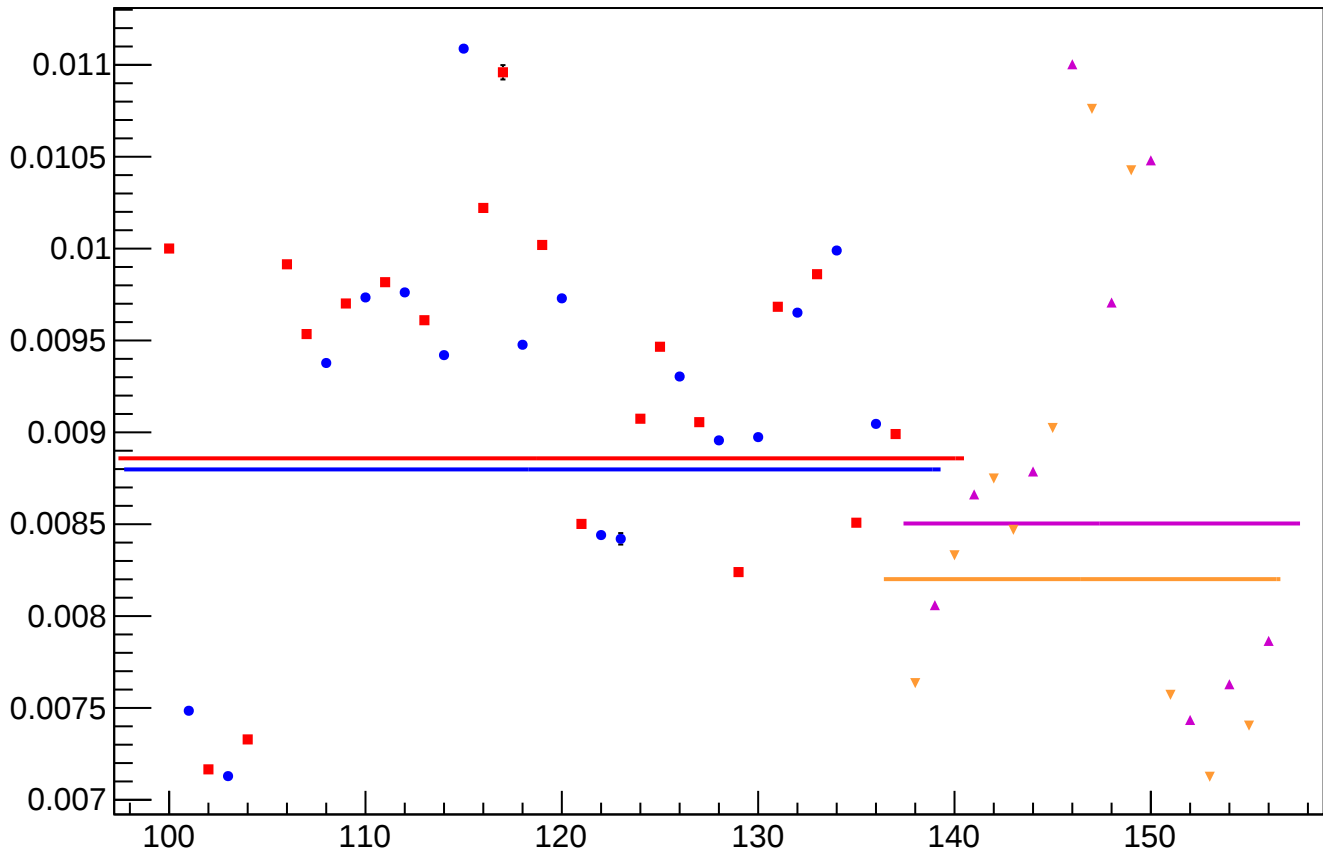
-1.181+/-0.000 χ^2/NDF : 9888788922.5/26

Right Out: -1.133+/-0.000 χ^2/NDF : 3706528266.7/19

-1.216+/-0.000 χ^2/NDF : 8198229503.2/28

Left In: -1.293+/-0.000 χ^2/NDF : 3381757141.3/8

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 151586.8/16

Left Out: 0.008+/-0.000 χ^2/NDF : 215768.7/9

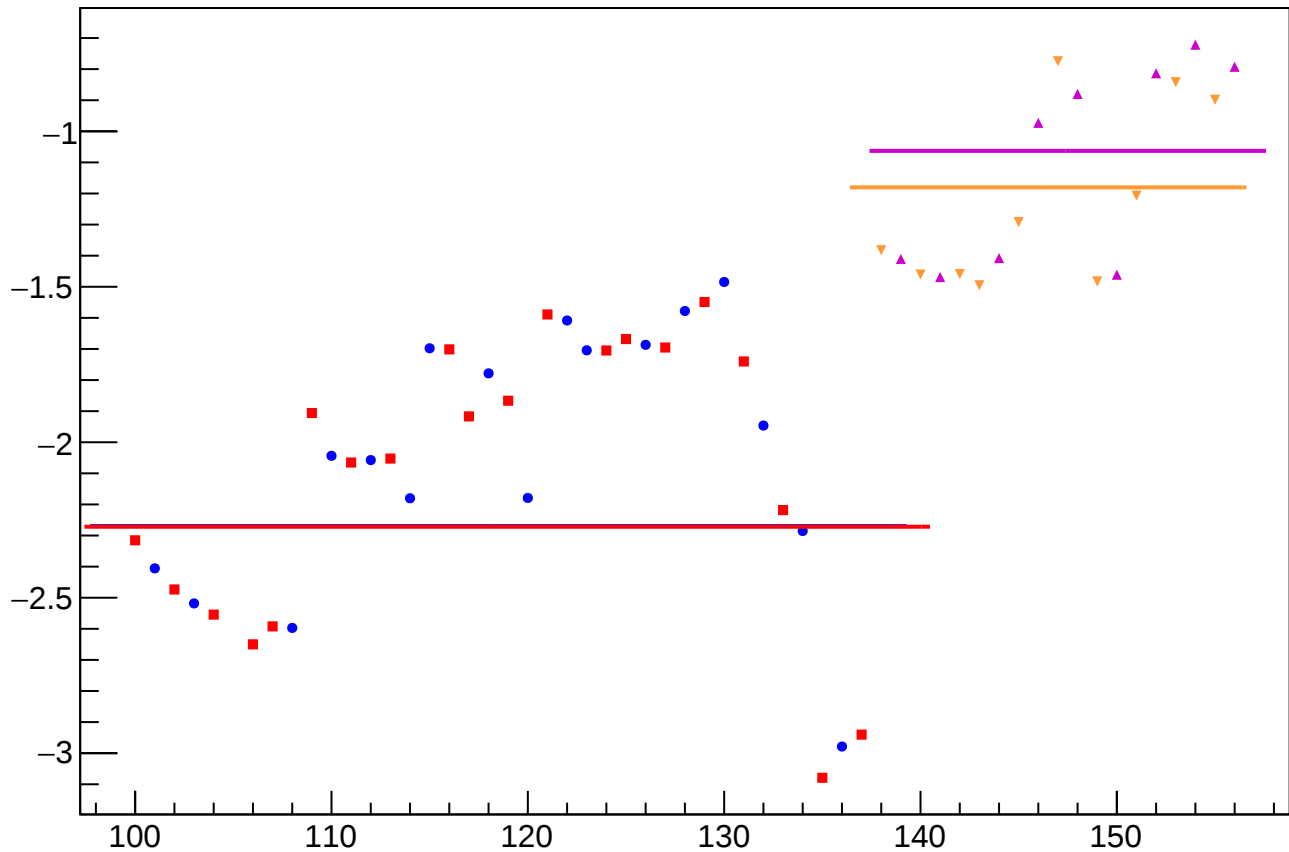
Right Out: 0.009+/-0.000 χ^2/NDF : 176858.0/19

Left In: 0.009+/-0.000 χ^2/NDF : 205897.6/8

0.008+/-0.000 χ^2/NDF : 399091.7/26

0.009+/-0.000 χ^2/NDF : 393780.5/28

yield_bpm0i05X_mean vs Slug



Right In: -2.270+/-0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.180+/-0.000 χ^2/NDF : 10404624939.6/9

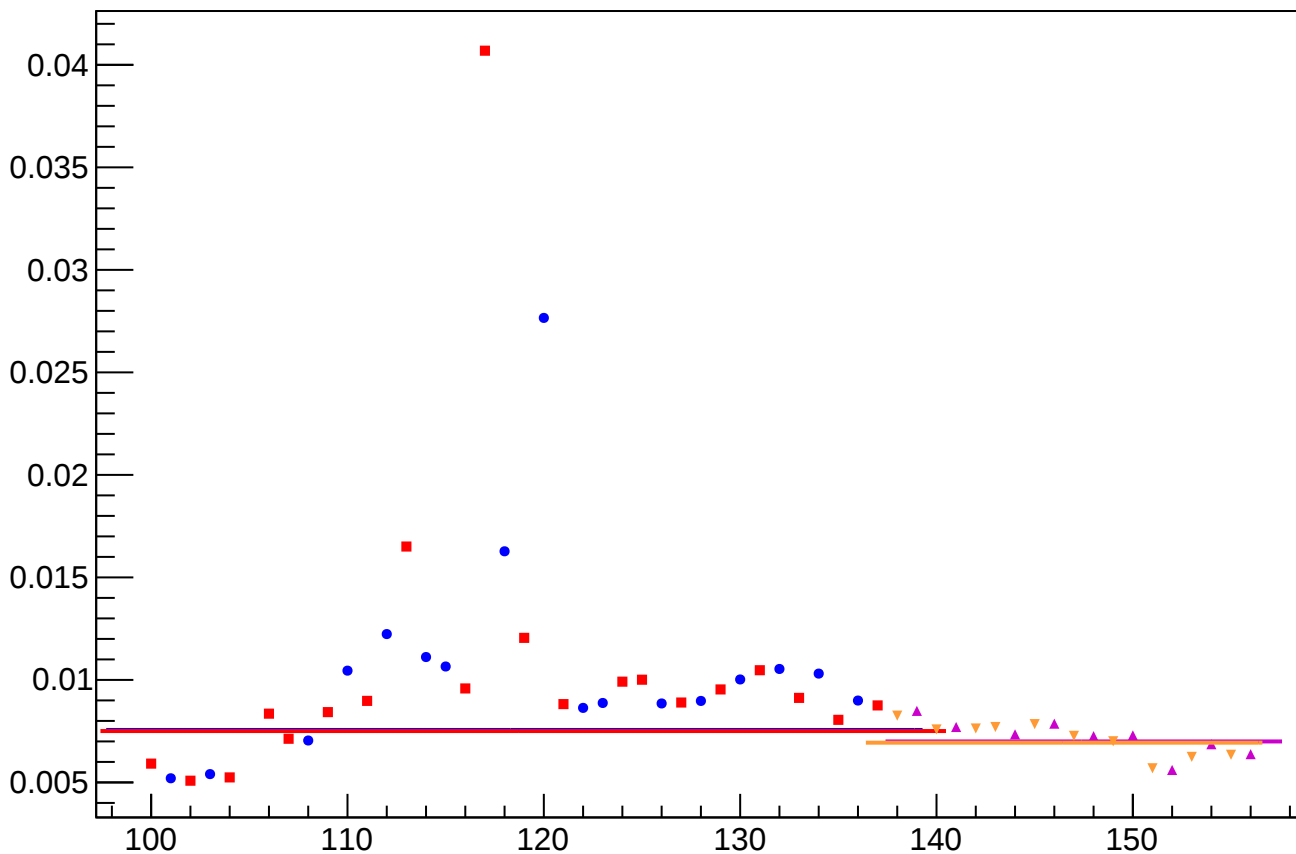
-1.605+/-0.000 χ^2/NDF : 91600722157.0/26

Right Out: -2.272+/-0.000 χ^2/NDF : 19012236430.2/19

-1.573+/-0.000 χ^2/NDF : 115860287398.1/28

Left In: -1.063+/-0.000 χ^2/NDF : 12763850840.6/8

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 :178811.8/9

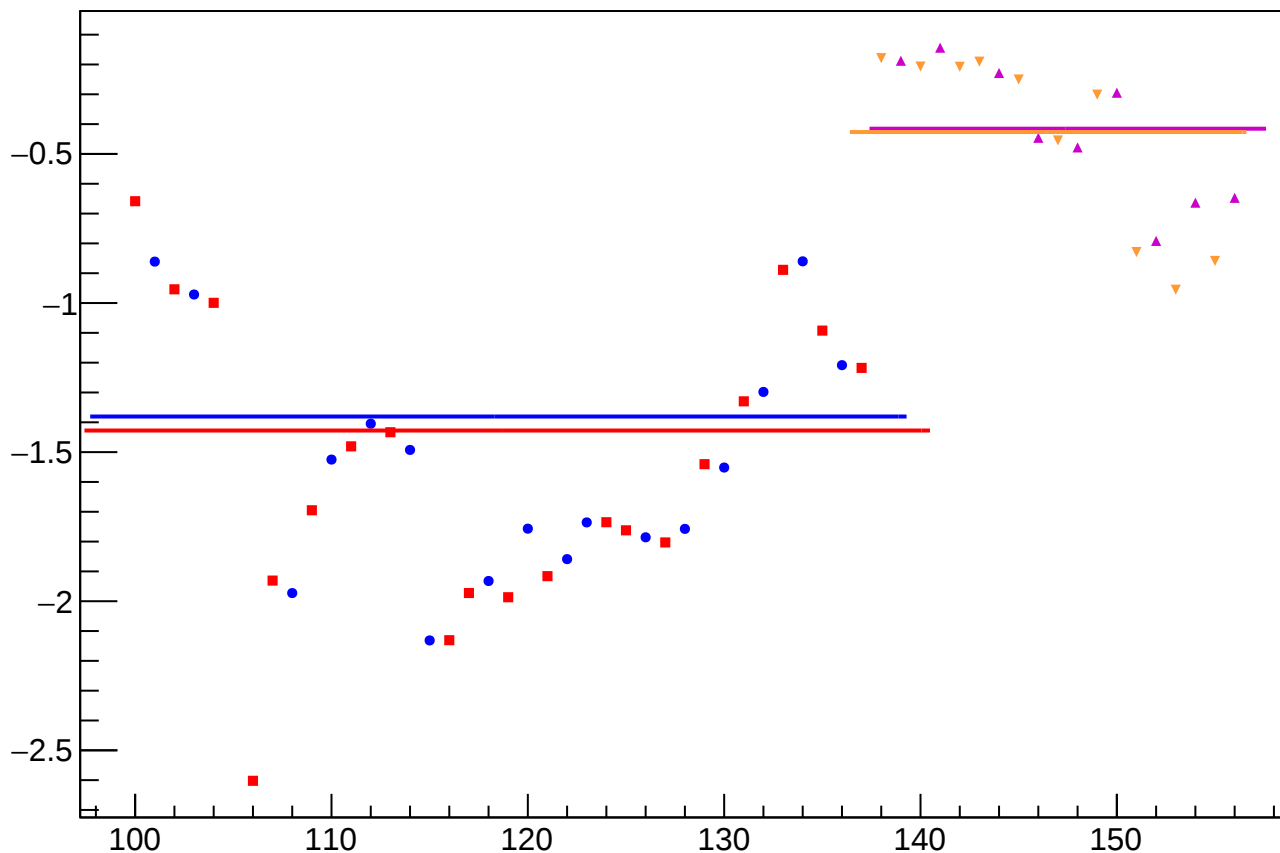
Right Out: 0.008+/-0.000 χ^2/NDF : 984811.6/19

Left In: 0.007+/-0.000 χ^2/NDF :186151.1/8

0.007+/-0.000 χ^2/NDF : 1440978.8/26

0.007+/-0.000 χ^2/NDF : 1200603.2/28

yield_bpm0i05Y_mean vs Slug



Right In: -1.381+/-0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.427+/-0.000 χ^2/NDF : 32363033996.4/9

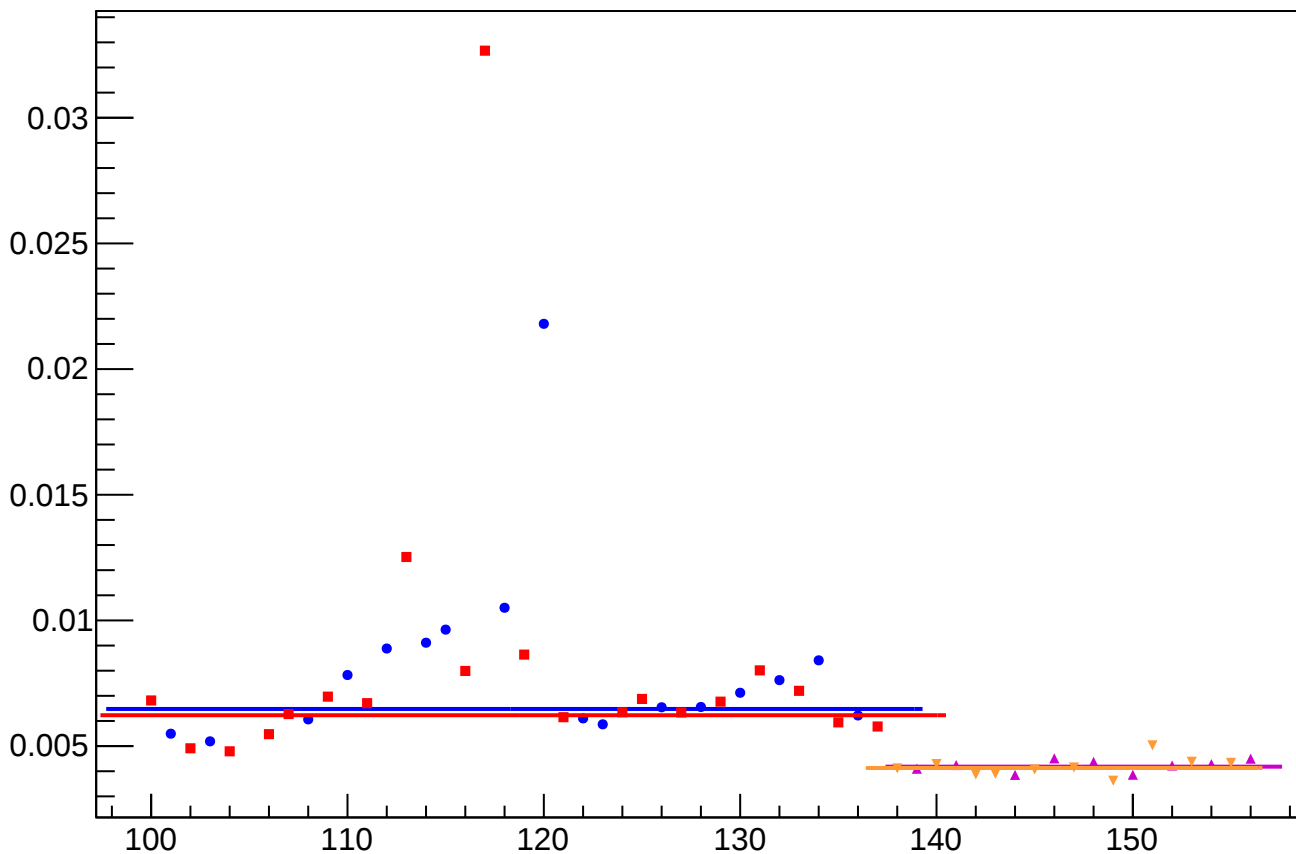
Right Out: -1.428+/-0.000 χ^2/NDF : 29626603581.6/19

Left In: -0.415+/-0.000 χ^2/NDF : 18258265787.2/8

-0.669+/-0.000 χ^2/NDF : 140496585972.0/26

-0.709+/-0.000 χ^2/NDF : 158459153869.4/28

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 :82682.6/9

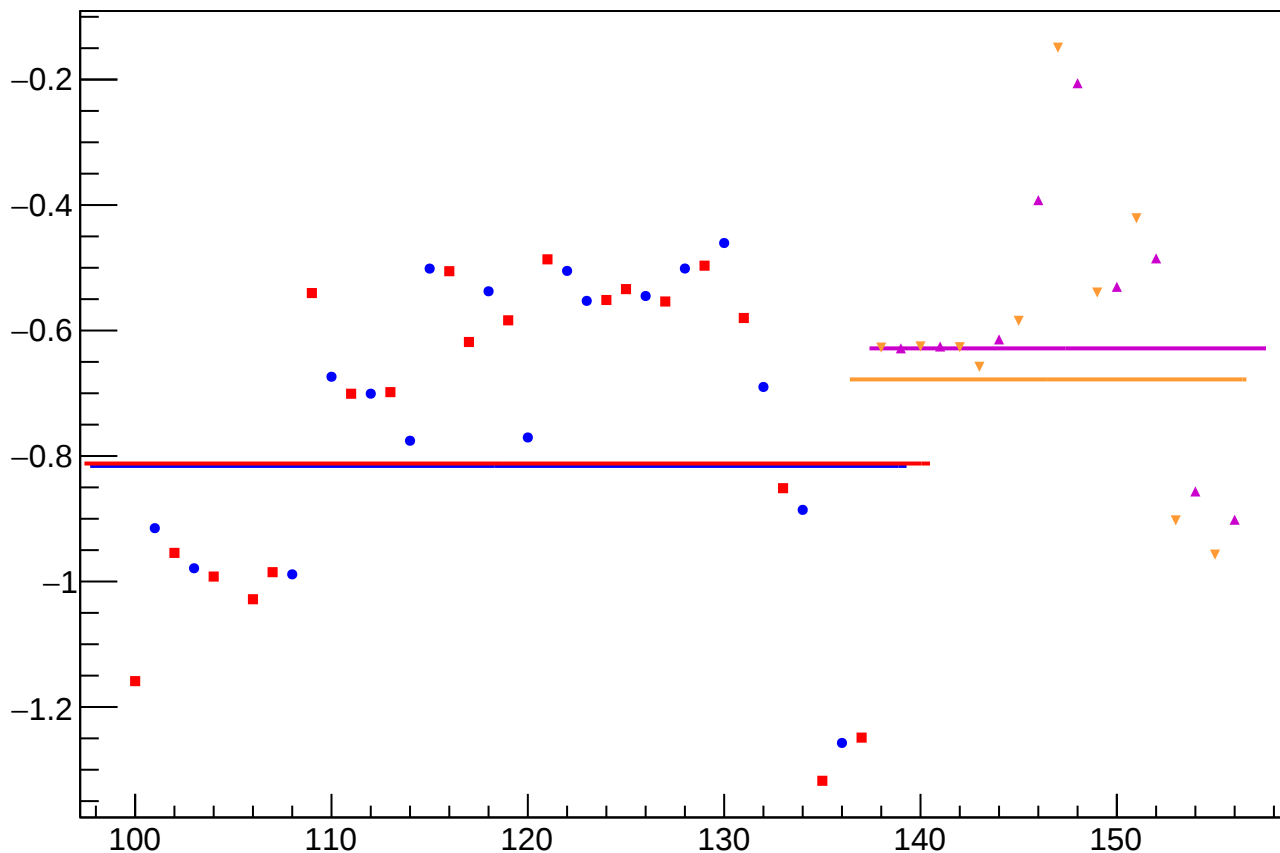
Right Out: 0.006+/-0.000 χ^2/NDF : 472534.6/19

Left In: 0.004+/-0.000 χ^2/NDF :40594.4/8

0.005+/-0.000 χ^2/NDF : 1723777.2/26

0.005+/-0.000 χ^2/NDF : 1416952.1/28

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2 /NDF: 14172884795.2/16

Left Out: -0.678+/-0.000 χ^2 /NDF: 16843767242.6/9

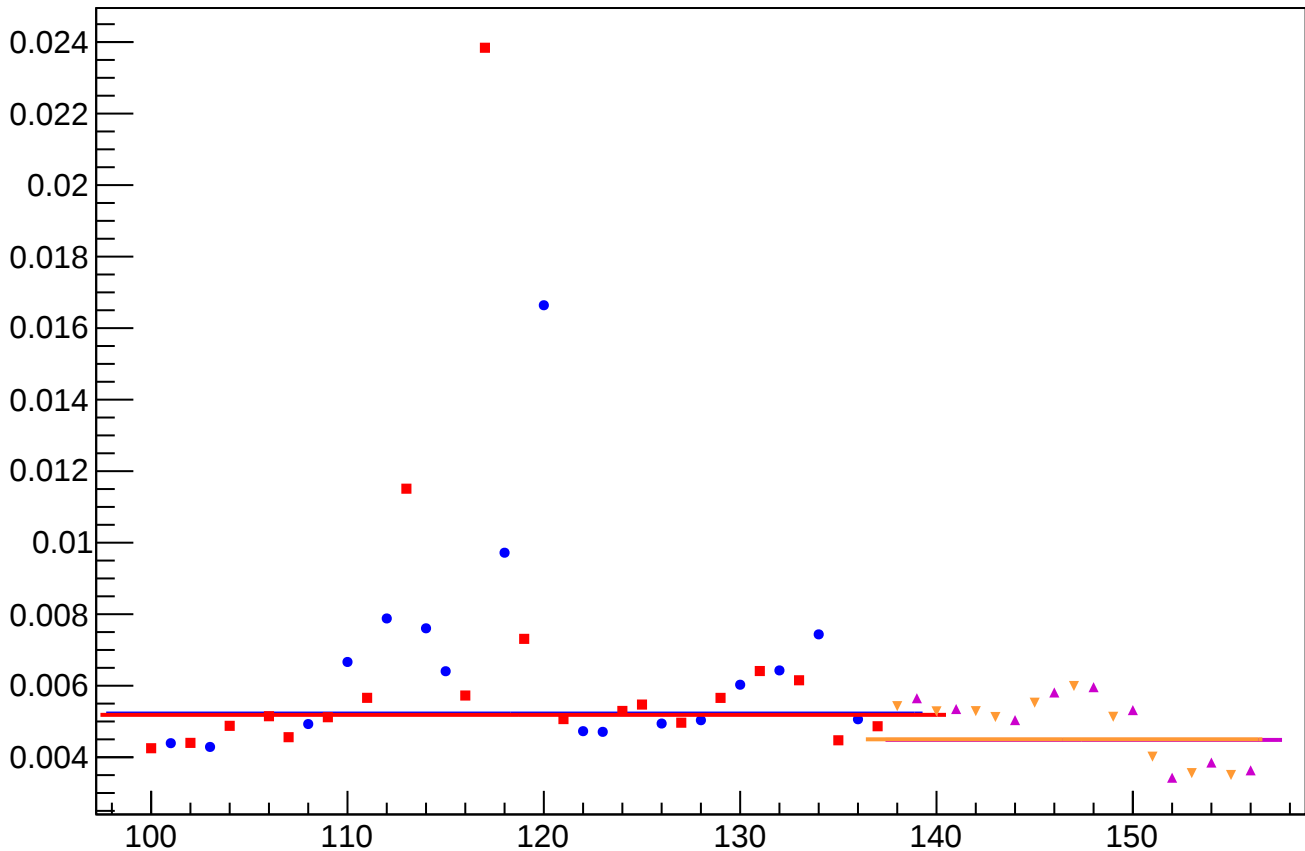
Right Out: -0.812+/-0.000 χ^2 /NDF: 16818378599.3/19

Left In: -0.628+/-0.000 χ^2 /NDF: 13199905253.1/8

-0.731+/-0.000 χ^2 /NDF: 33321266413.9/26

-0.703+/-0.000 χ^2 /NDF: 34432965625.3/28

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 :510543.7/9

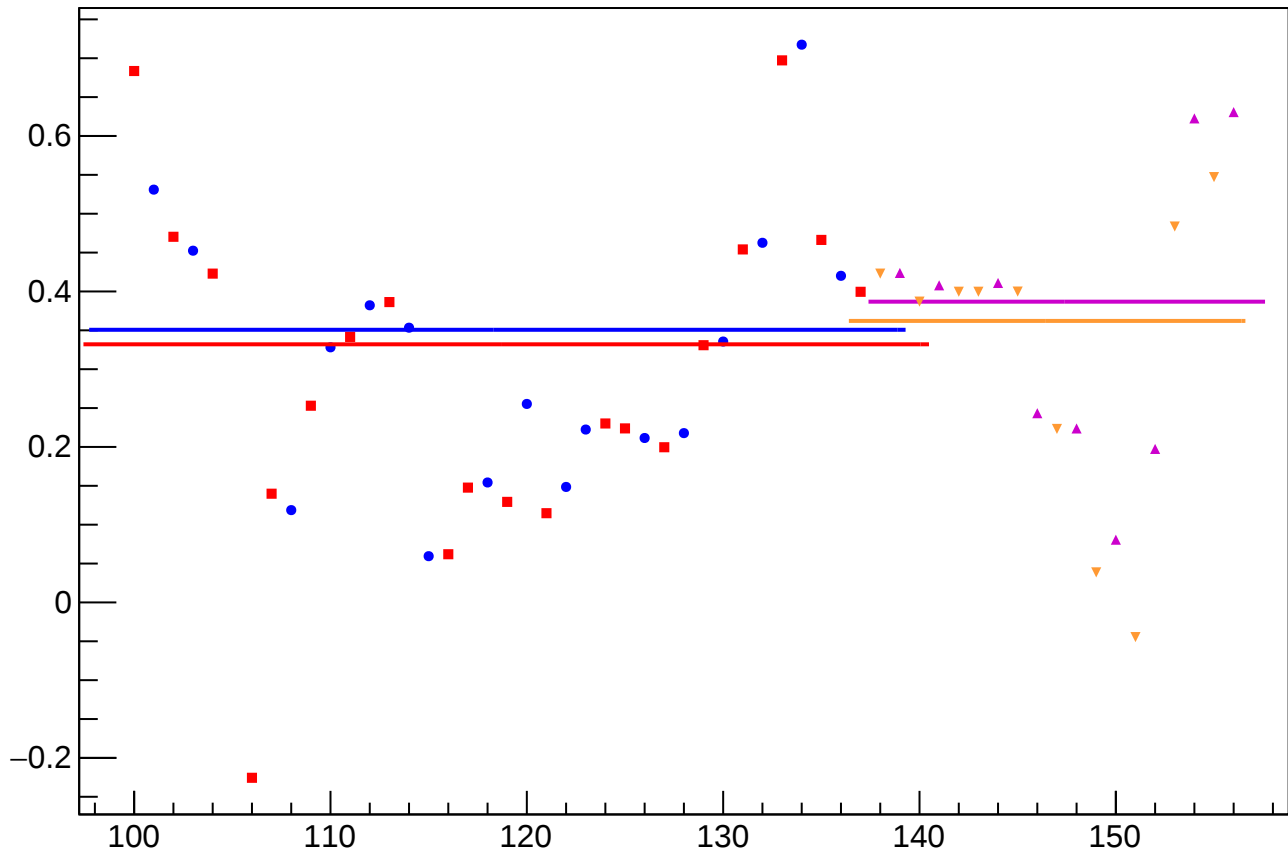
Right Out: 0.005+/-0.000 χ^2/NDF : 410640.5/19

Left In: 0.004+/-0.000 χ^2/NDF :584119.1/8

0.005+/-0.000 χ^2/NDF : 1300838.3/26

0.005+/-0.000 χ^2/NDF : 1123598.5/28

yield_bpm0i07Y_mean vs Slug



Right In: 0.351+/-0.000 χ^2/NDF : 7410859446.3/16

Left Out: 0.362+/-0.000 χ^2/NDF :14463720692.8/9

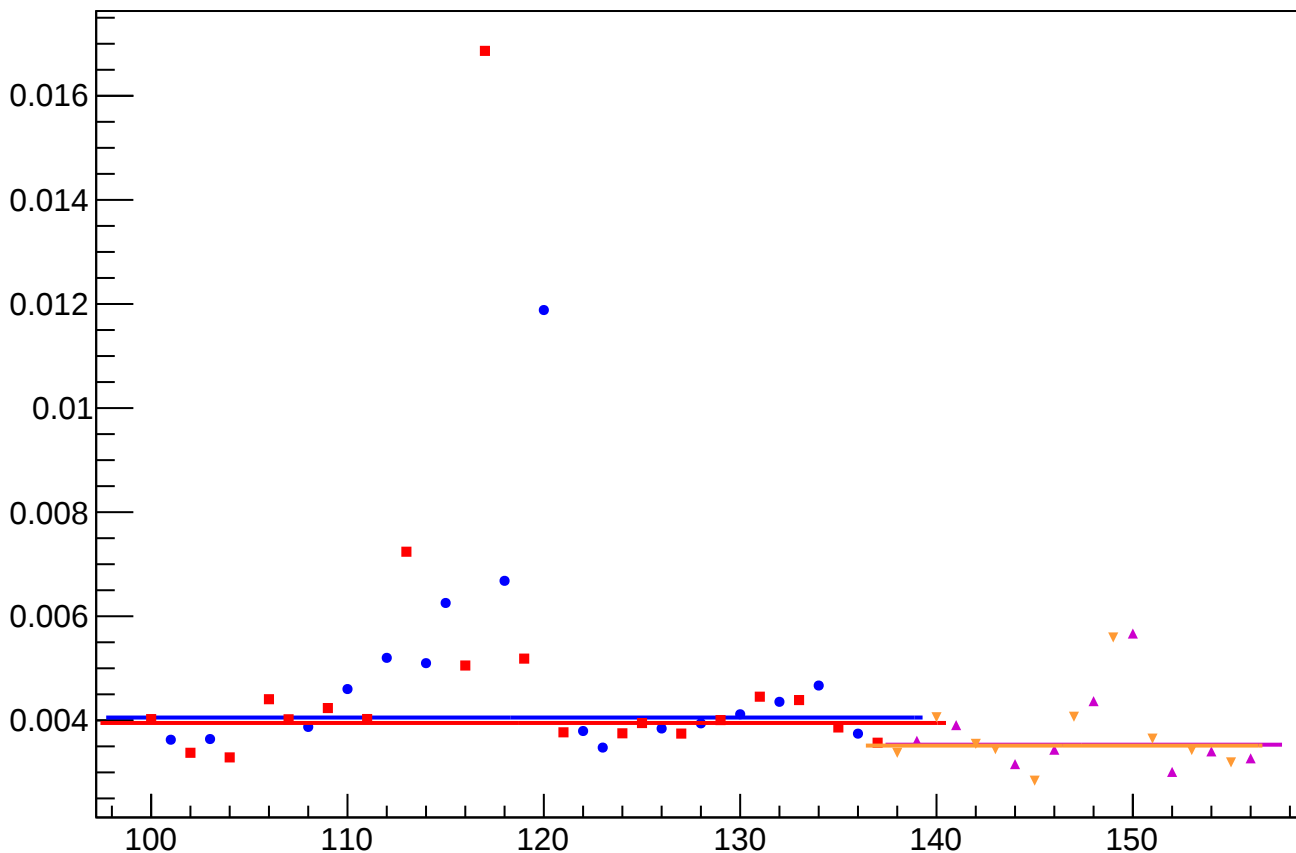
0.357+/-0.000 χ^2/NDF : 21901013301.1/26

Right Out: 0.332+/-0.000 χ^2/NDF : 11800695210.2/19

0.362+/-0.000 χ^2/NDF : 27396167242.7/28

Left In: 0.387+/-0.000 χ^2/NDF :14938361350.7/8

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 :331795.5/9

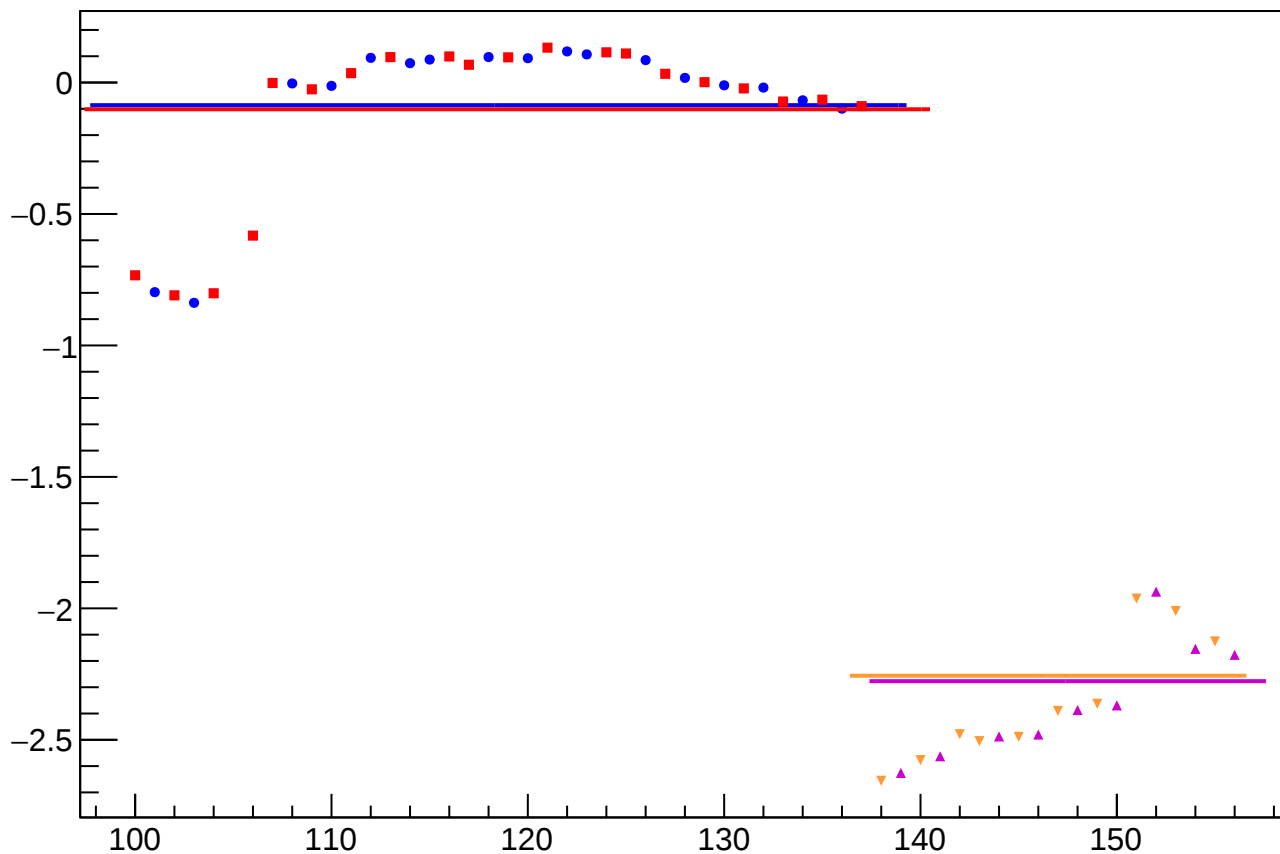
Right Out: 0.004+/-0.000 χ^2/NDF : 304954.7/19

Left In: 0.004+/-0.000 χ^2/NDF :353905.4/8

0.004+/-0.000 χ^2/NDF : 905111.0/26

0.004+/-0.000 χ^2/NDF : 735053.4/28

yield_bpm1i02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.256+/-0.000 χ^2/NDF : 3151771082.5/9

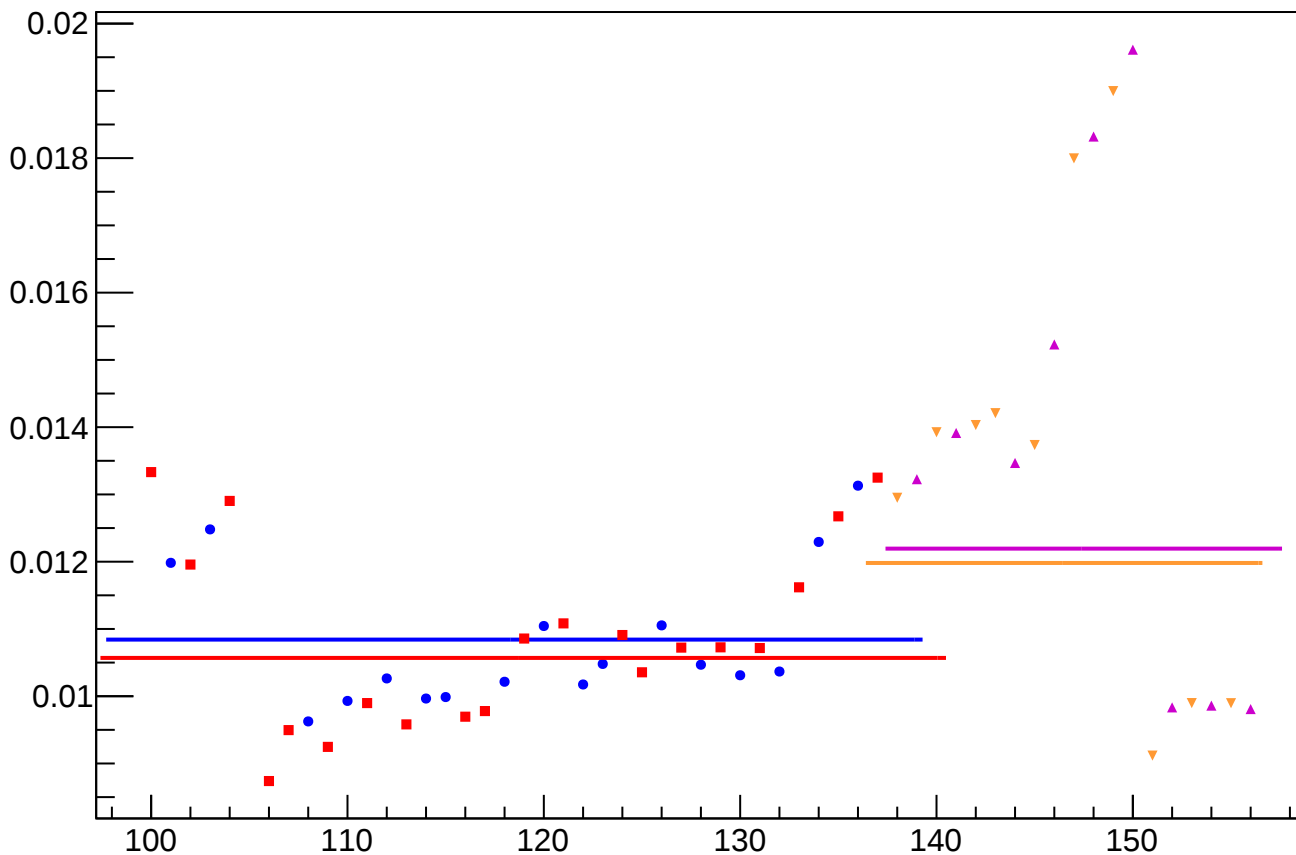
Right Out: -0.102+/-0.000 χ^2/NDF : 5566142794.2/19

Left In: -2.277+/-0.000 χ^2/NDF : 2421650922.4/8

-1.085+/-0.000 χ^2/NDF : 130545427984.8/26

-1.020+/-0.000 χ^2/NDF : 134197850542.5/28

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.012+/-0.000 χ^2/NDF : 802148.6/9

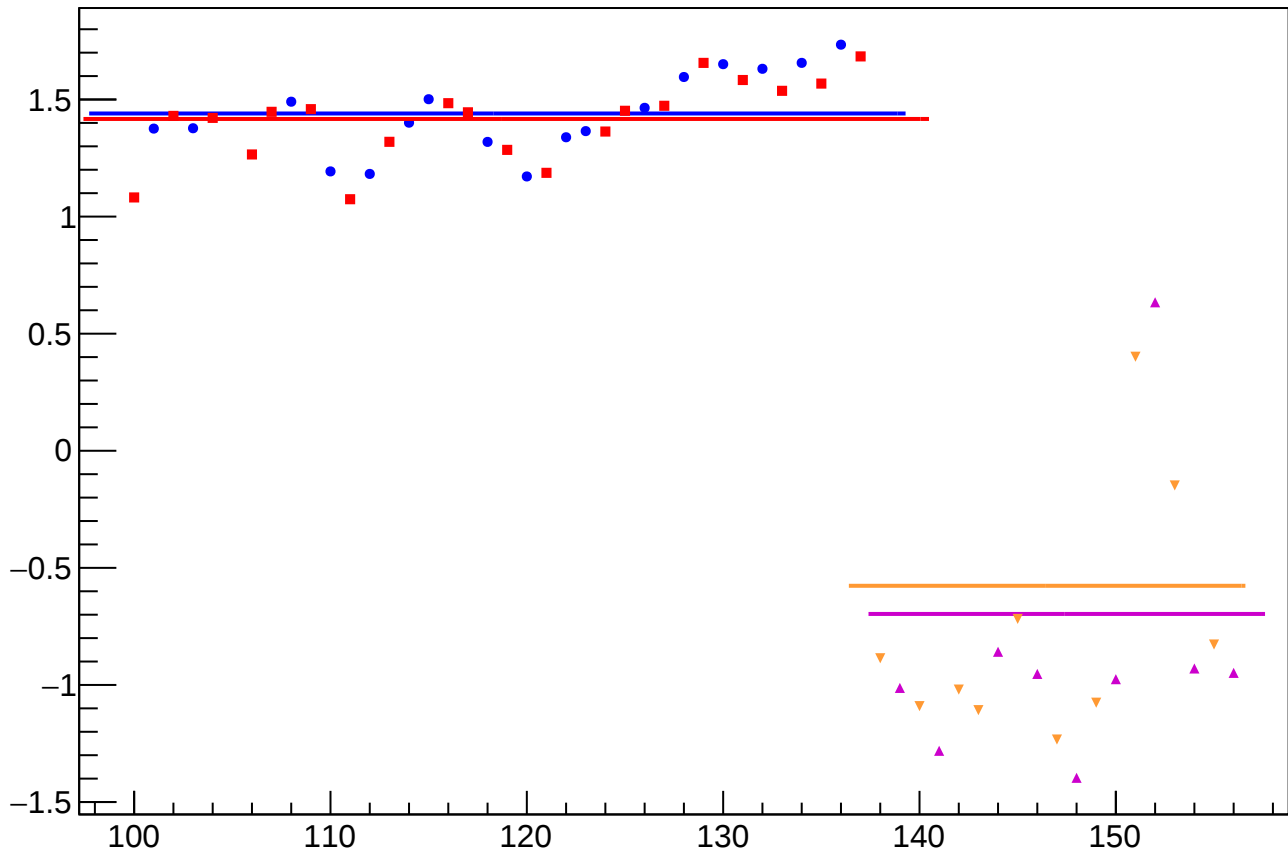
Right Out: 0.011+/-0.000 χ^2/NDF : 179537.7/19

Left In: 0.012+/-0.000 χ^2/NDF : 819596.6/8

0.011+/-0.000 χ^2/NDF : 993874.5/26

0.011+/-0.000 χ^2/NDF : 1139974.3/28

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.577 $\pm$ 0.000 χ^2 /NDF: 27002175642.6/9

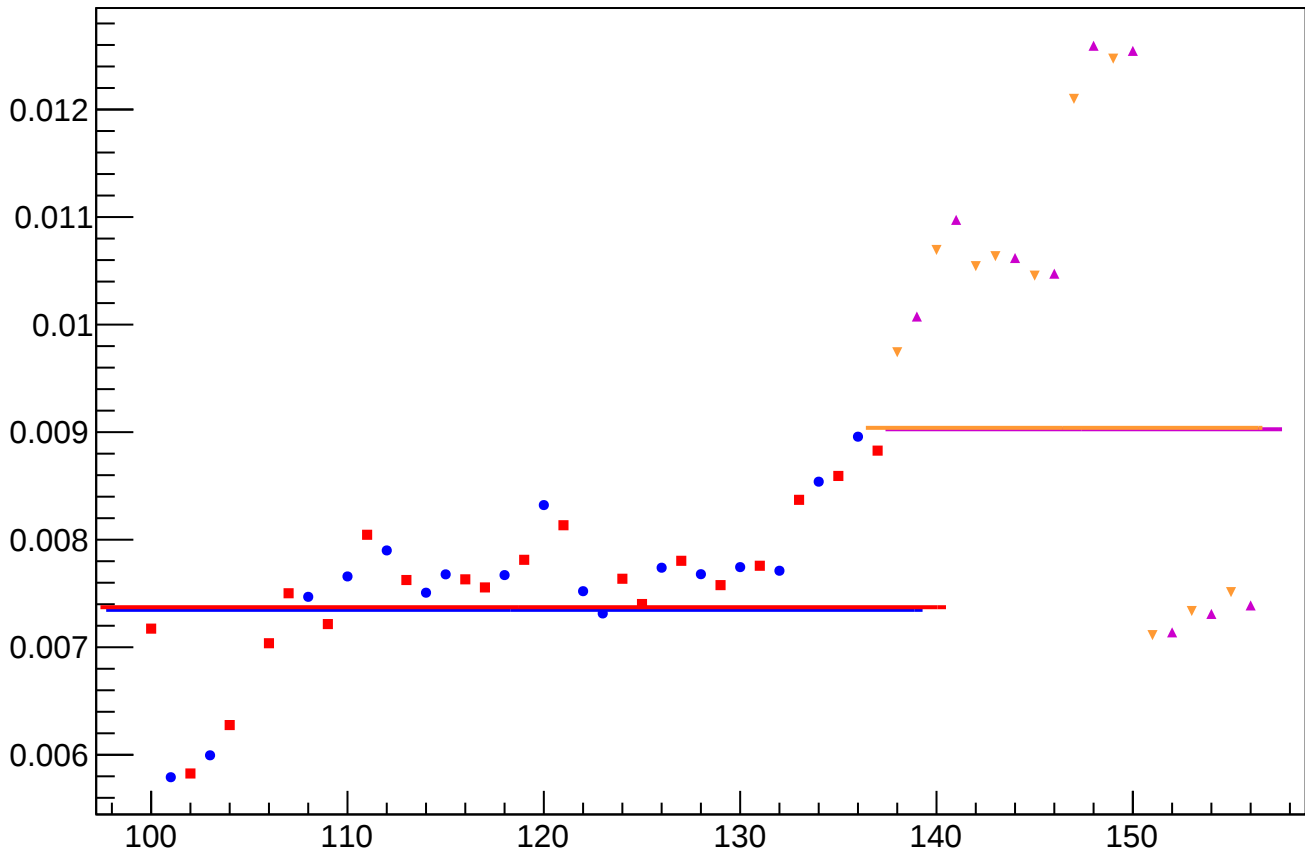
Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674679406.4/19

Left In: -0.697 $\pm$ 0.000 χ^2 /NDF: 37099989973.1/8

0.607 $\pm$ 0.000 χ^2 /NDF: 235485928512.5/26

0.580 $\pm$ 0.000 χ^2 /NDF: 269651559444.2/28

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 228163.6/16

Left Out: 0.009+/-0.000 χ^2/NDF : 606739.6/9

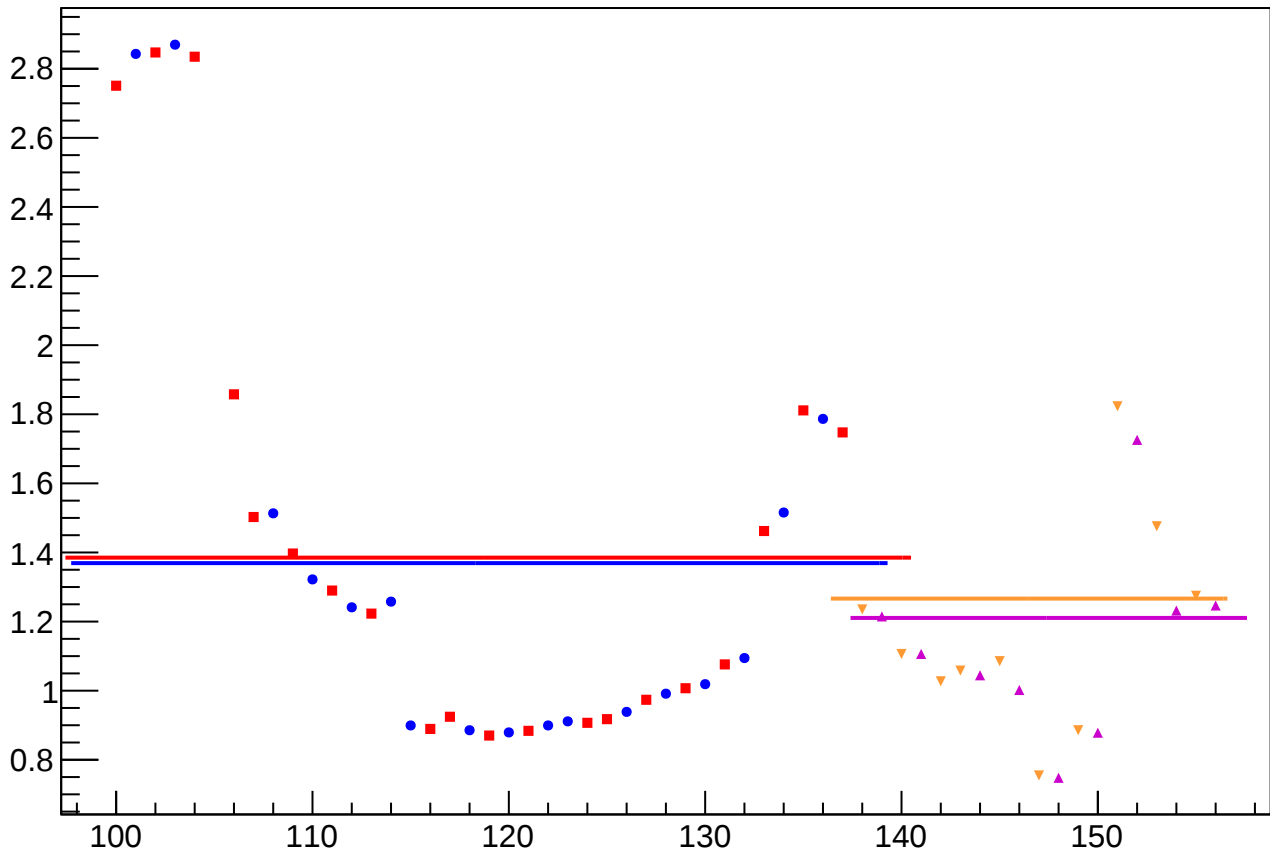
Right Out: 0.007+/-0.000 χ^2/NDF : 172741.0/19

Left In: 0.009+/-0.000 χ^2/NDF : 685450.5/8

0.008+/-0.000 χ^2/NDF : 1123623.5/26

0.008+/-0.000 χ^2/NDF : 1139902.9/28

yield_bpm1i04X_mean vs Slug



Right In: 1.369+/-0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.267+/-0.000 χ^2/NDF : 8698668979.0/9

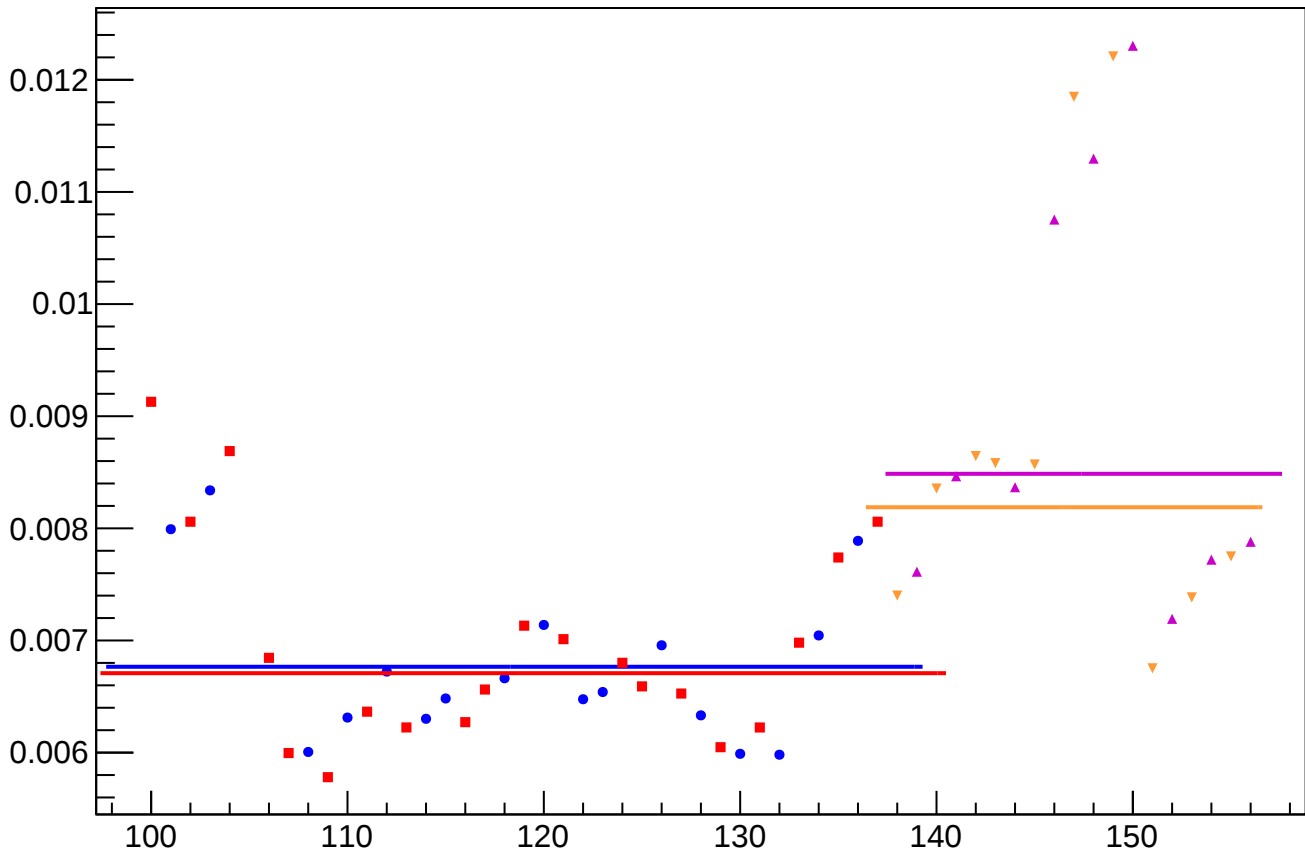
1.327+/-0.000 χ^2/NDF : 63532334556.8/26

Right Out: 1.385+/-0.000 χ^2/NDF : 50114562617.6/19

1.319+/-0.000 χ^2/NDF : 58733252966.8/28

Left In: 1.211+/-0.000 χ^2/NDF : 6818908303.5/8

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 : 404221.2/9

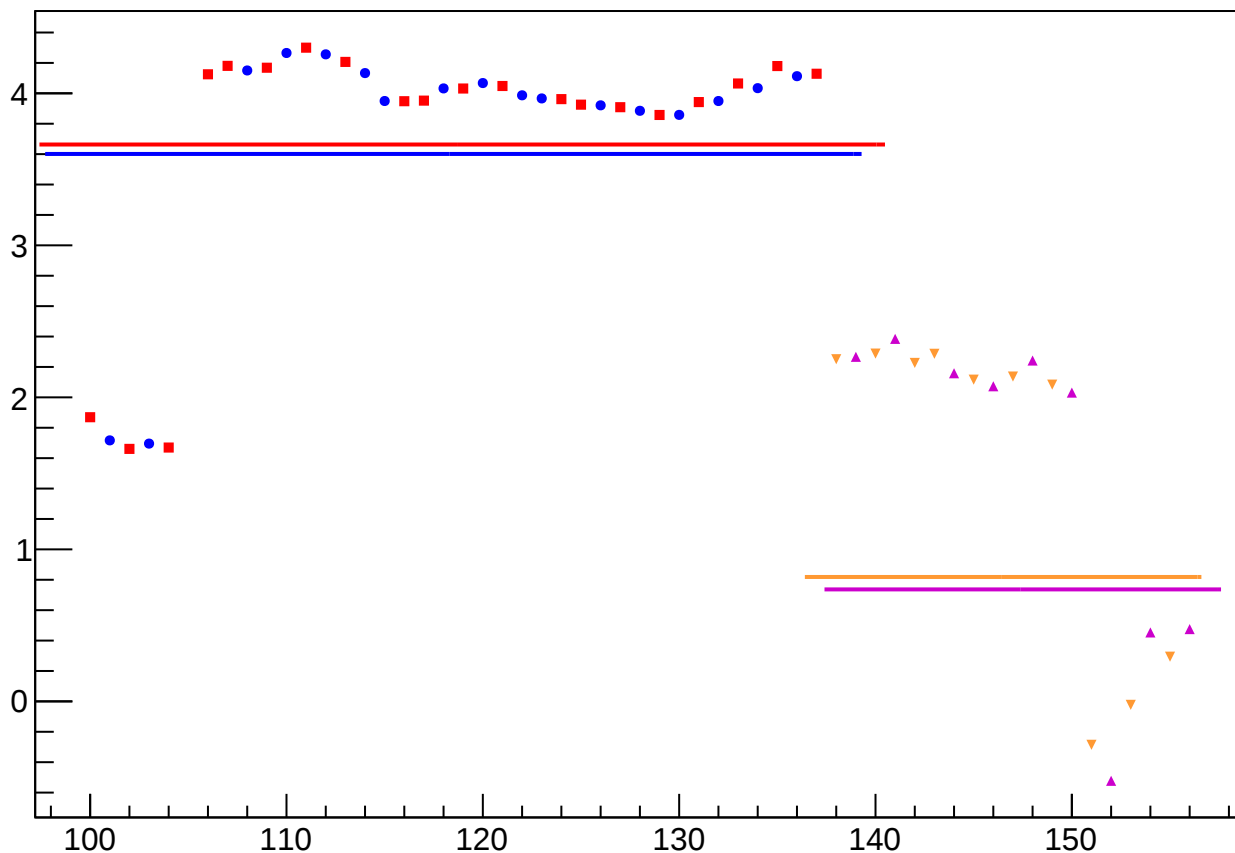
Right Out: 0.007+/-0.000 χ^2/NDF : 187869.7/19

Left In: 0.008+/-0.000 χ^2/NDF : 407648.6/8

0.007+/-0.000 χ^2/NDF : 805115.0/26

0.007+/-0.000 χ^2/NDF : 969239.4/28

yield_bpm1i04Y_mean vs Slug



Right In: 3.601+/-0.000 χ^2/NDF : 185806937655.3/16

Left Out: 0.818+/-0.000 χ^2/NDF : 237003575892.0/9

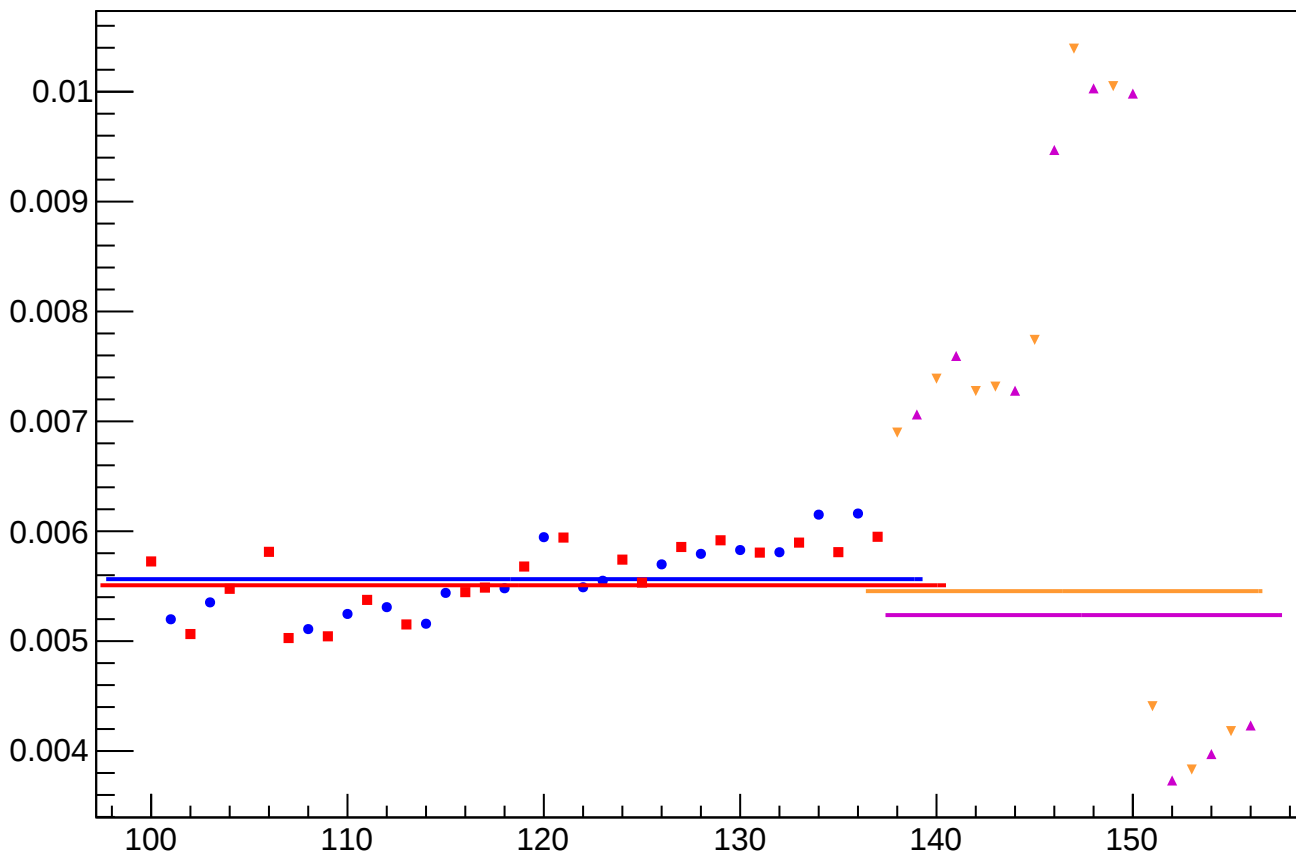
Right Out: 3.663+/-0.000 χ^2/NDF : 192640409625.9/19

Left In: 0.737+/-0.000 χ^2/NDF : 244681748570.1/8

2.243+/-0.000 χ^2/NDF : 1238625570984.7/26

2.238+/-0.000 χ^2/NDF : 1399733181197.7/28

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 47588.2/16

Left Out: 0.005+/-0.000 χ^2/NDF :1536608.1/9

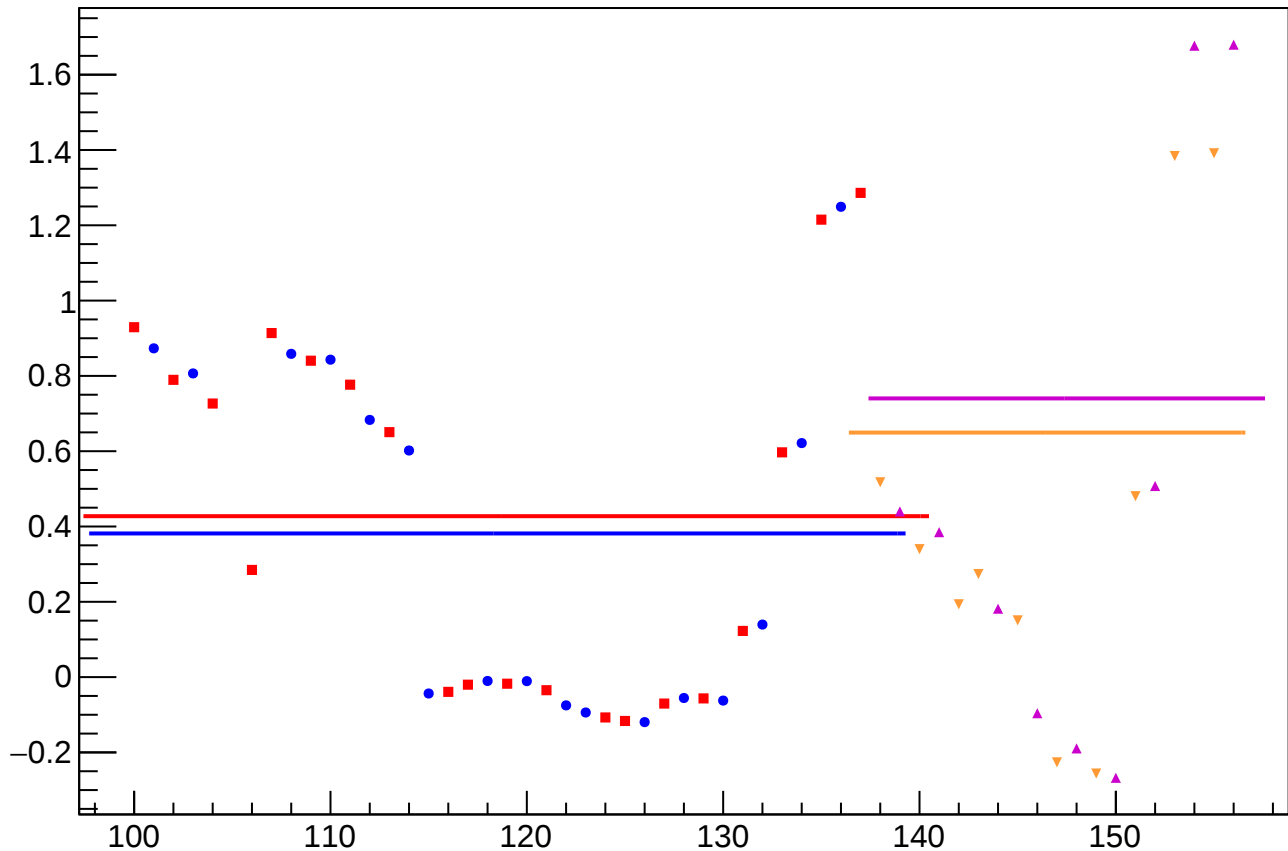
Right Out: 0.006+/-0.000 χ^2/NDF : 52636.1/19

Left In: 0.005+/-0.000 χ^2/NDF :1859199.1/8

0.006+/-0.000 χ^2/NDF : 1586704.4/26

0.005+/-0.000 χ^2/NDF : 1928394.6/28

yield_bpm1i06X_mean vs Slug



Right In: 0.382+/-0.000 χ^2/NDF : 7124759123.1/16

Left Out: 0.650+/-0.000 χ^2/NDF : 13901689626.5/9

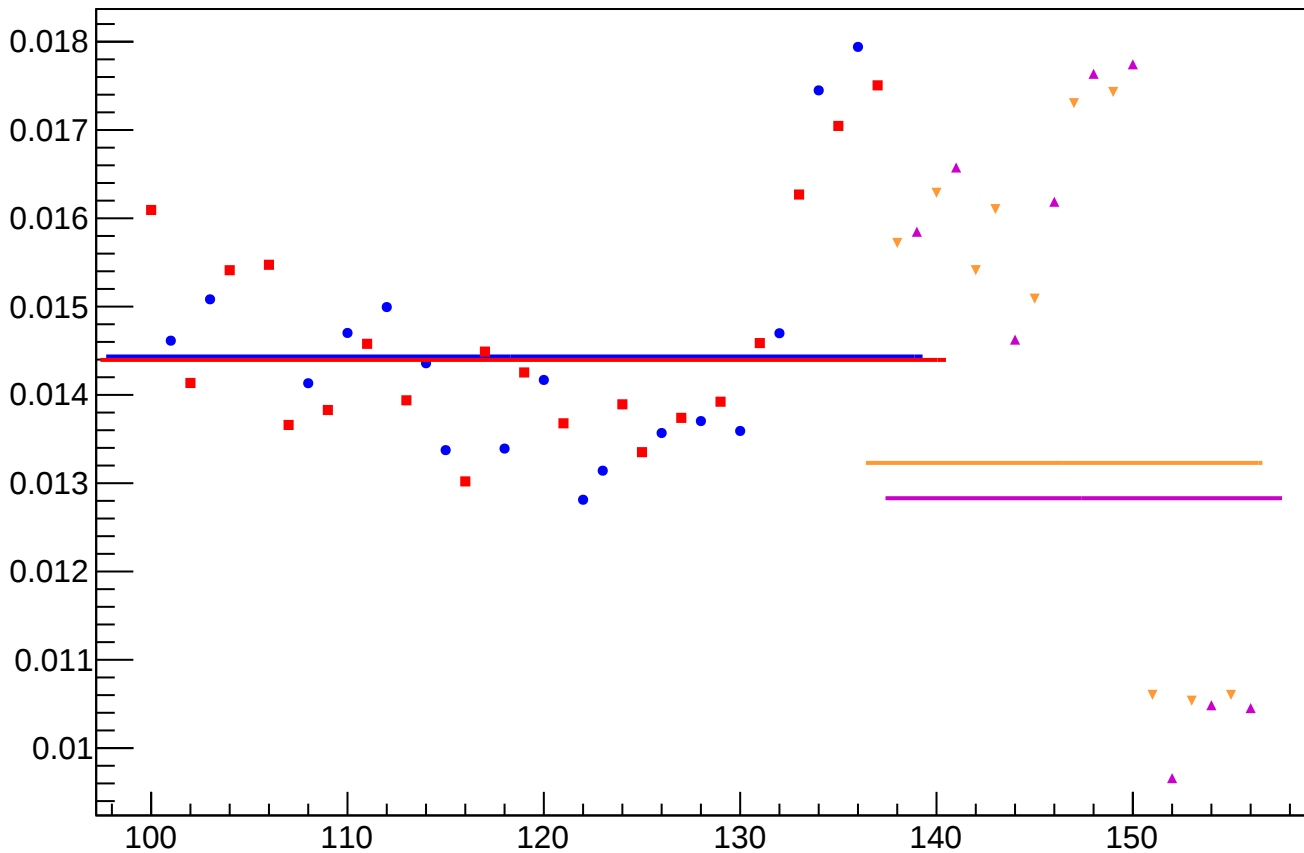
Right Out: 0.427+/-0.000 χ^2/NDF : 6716521382.4/19

Left In: 0.740+/-0.000 χ^2/NDF : 22321857009.9/8

0.530+/-0.000 χ^2/NDF : 22291133863.4/26

0.600+/-0.000 χ^2/NDF : 30856930533.7/28

yield_bpm1i06X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 110224.4/16

Left Out: 0.013+/-0.000 χ^2/NDF : 643061.3/9

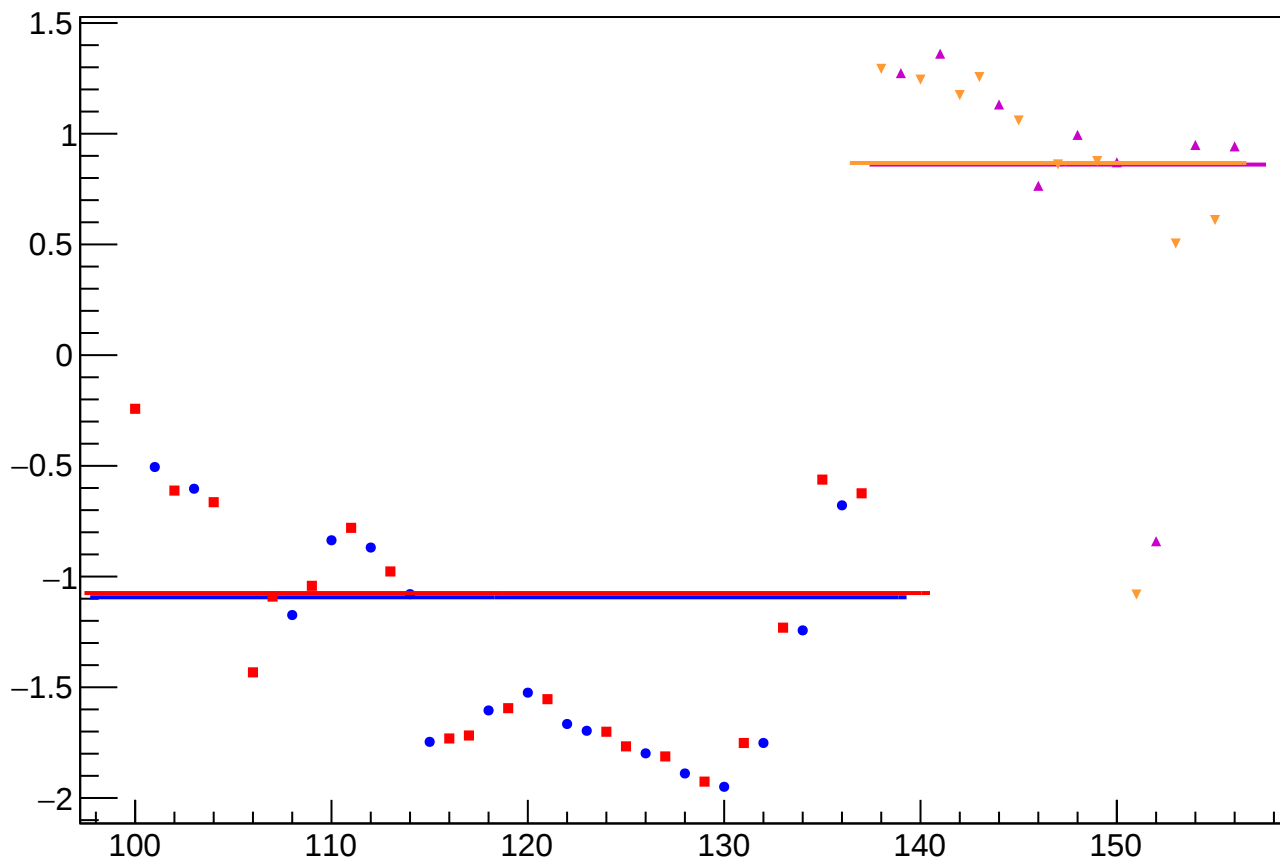
Right Out: 0.014+/-0.000 χ^2/NDF : 74535.1/19

Left In: 0.013+/-0.000 χ^2/NDF : 816928.8/8

0.014+/-0.000 χ^2/NDF : 804436.2/26

0.014+/-0.000 χ^2/NDF : 982648.1/28

yield_bpm1i06Y_mean vs Slug



Right In: -1.094 ± 0.000 χ^2/NDF : 55960104370.4/16

Left Out: 0.868 ± 0.000 χ^2/NDF : 120112732166.6/9

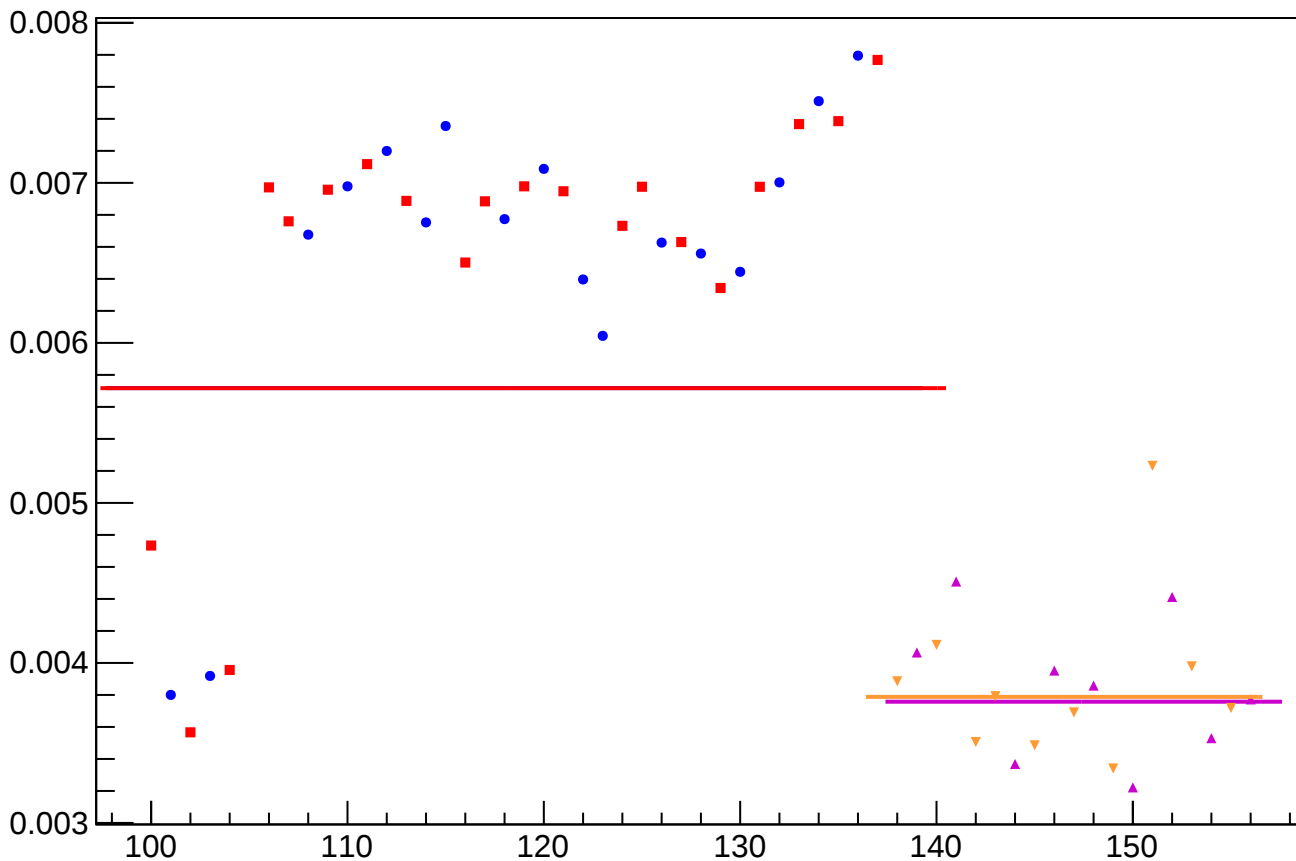
Right Out: -1.074 ± 0.000 χ^2/NDF : 47208439320.8/19

Left In: 0.861 ± 0.000 χ^2/NDF : 138800446874.6/8

0.303 ± 0.000 χ^2/NDF : 673857500824.4/26

0.289 ± 0.000 χ^2/NDF : 686378556353.7/28

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 837775.0/16

Left Out: 0.004+/-0.000 χ^2/NDF :146560.0/9

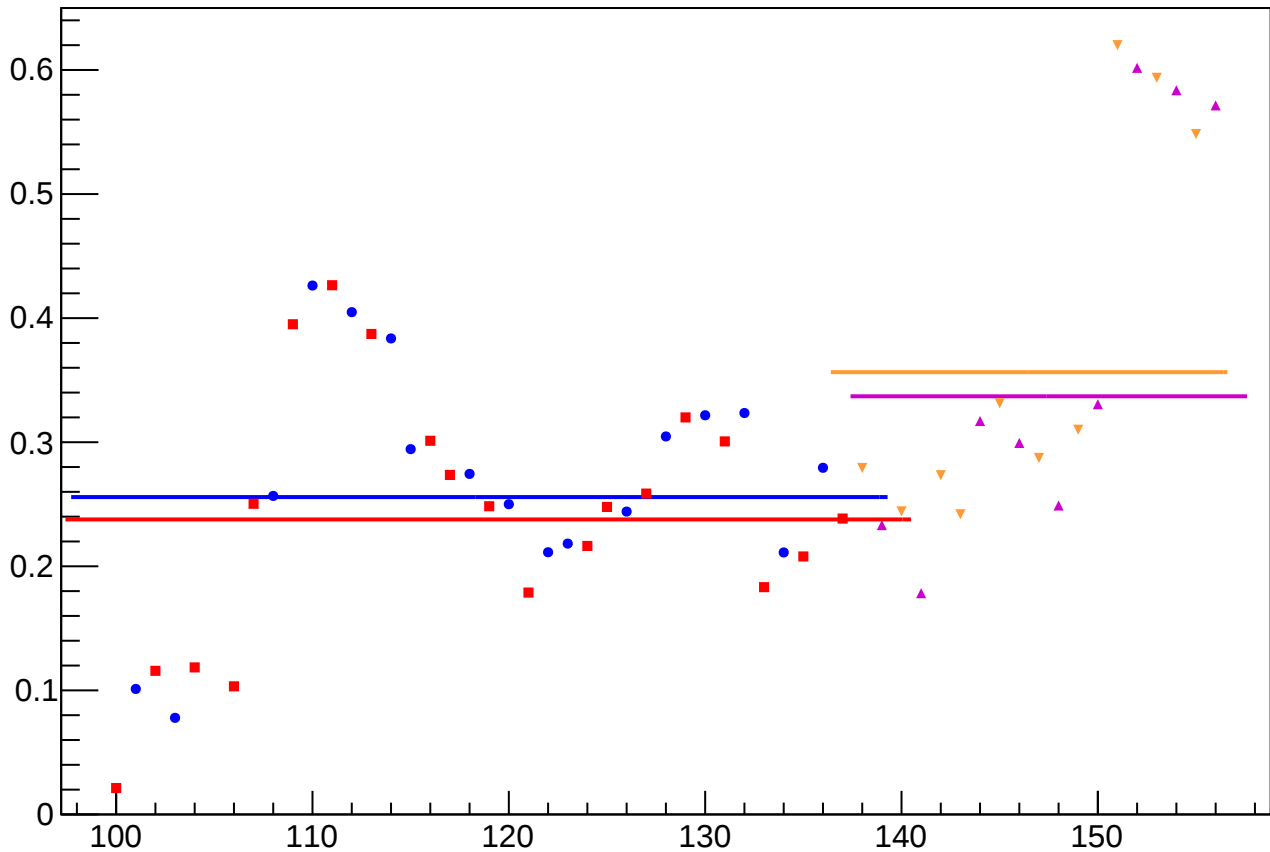
Right Out: 0.006+/-0.000 χ^2/NDF : 925957.4/19

Left In: 0.004+/-0.000 χ^2/NDF :158179.8/8

0.004+/-0.000 χ^2/NDF : 1947606.3/26

0.004+/-0.000 χ^2/NDF : 2110170.9/28

yield_bpm2i01X_mean vs Slug



Right In: 0.256 ± 0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.356 ± 0.000 χ^2/NDF : 43166286516.5/9

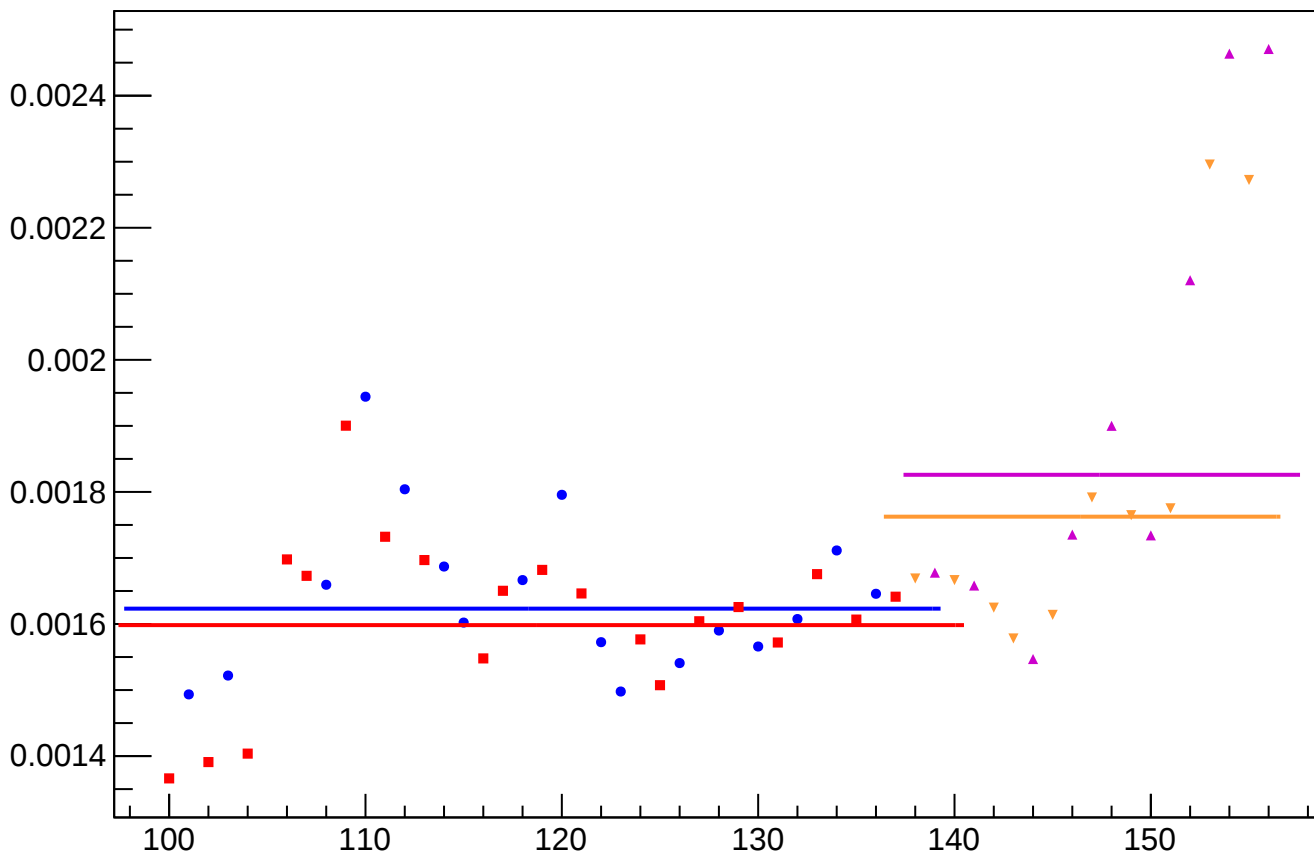
Right Out: 0.238 ± 0.000 χ^2/NDF : 26077768189.7/19

Left In: 0.337 ± 0.000 χ^2/NDF : 40076436481.6/8

0.305 ± 0.000 χ^2/NDF : 76569839457.2/26

0.281 ± 0.000 χ^2/NDF : 77838781980.3/28

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 :210411.7/9

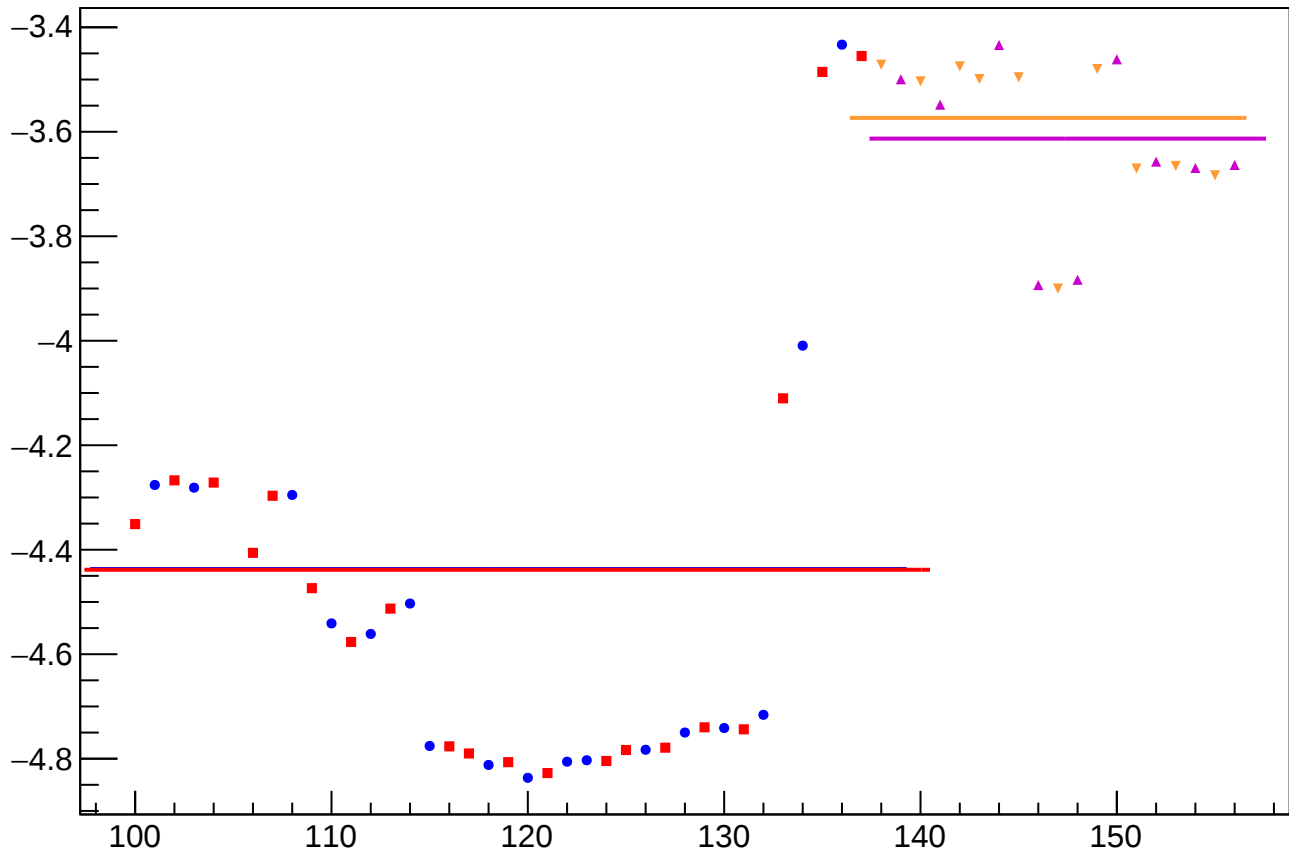
Right Out: 0.002+/-0.000 χ^2/NDF : 90764.4/19

Left In: 0.002+/-0.000 χ^2/NDF :341658.1/8

0.002+/-0.000 χ^2/NDF : 308941.1/26

0.002+/-0.000 χ^2/NDF : 555336.9/28

yield_bpm2i01Y_mean vs Slug



Right In: -4.437+/-0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.573+/-0.000 χ^2/NDF : 27521887007.9/9

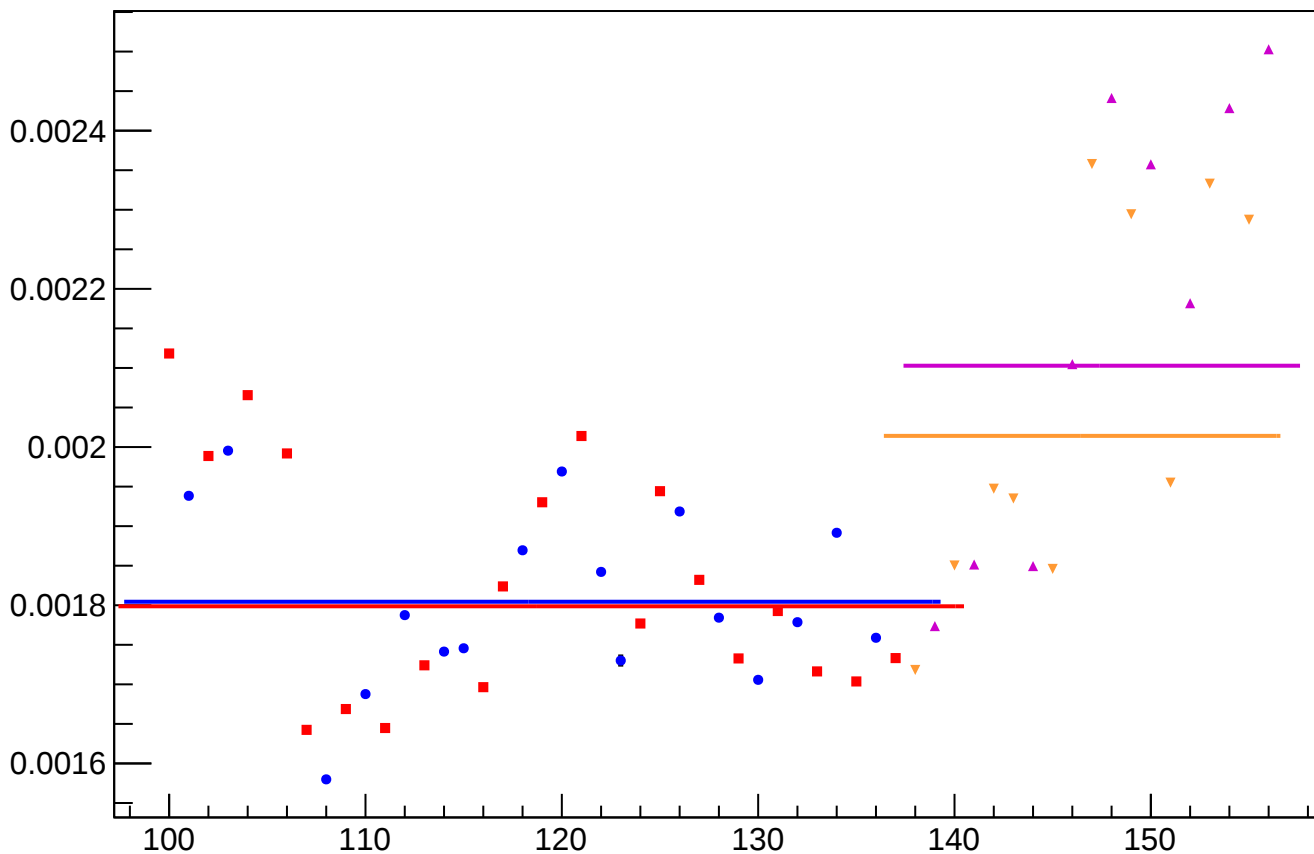
-4.035+/-0.000 χ^2/NDF : 1113774264450.7/26

Right Out: -4.438+/-0.000 χ^2/NDF : 326800745779.7/19

-4.086+/-0.000 χ^2/NDF : 986967297674.3/28

Left In: -3.613+/-0.000 χ^2/NDF : 39621235294.3/8

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 :176732.0/9

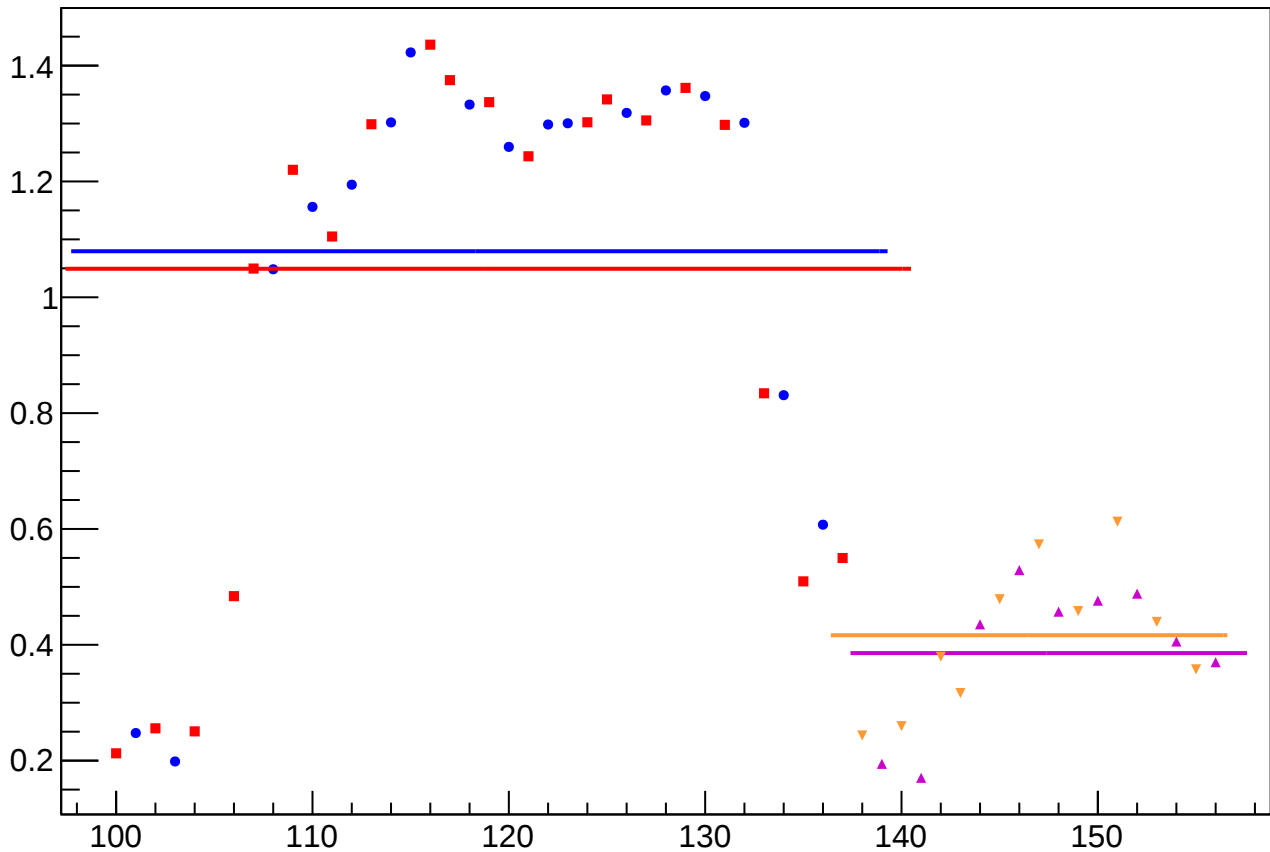
Right Out: 0.002+/-0.000 χ^2/NDF : 81037.5/19

Left In: 0.002+/-0.000 χ^2/NDF :228990.8/8

0.002+/-0.000 χ^2/NDF : 307610.6/26

0.002+/-0.000 χ^2/NDF : 478621.7/28

yield_bpm2i02X_mean vs Slug



Right In: 1.080 $\pm$ 0.000 χ^2 /NDF: 17533321220.5/16

Left Out: 0.417 $\pm$ 0.000 χ^2 /NDF:1161318965.2/9

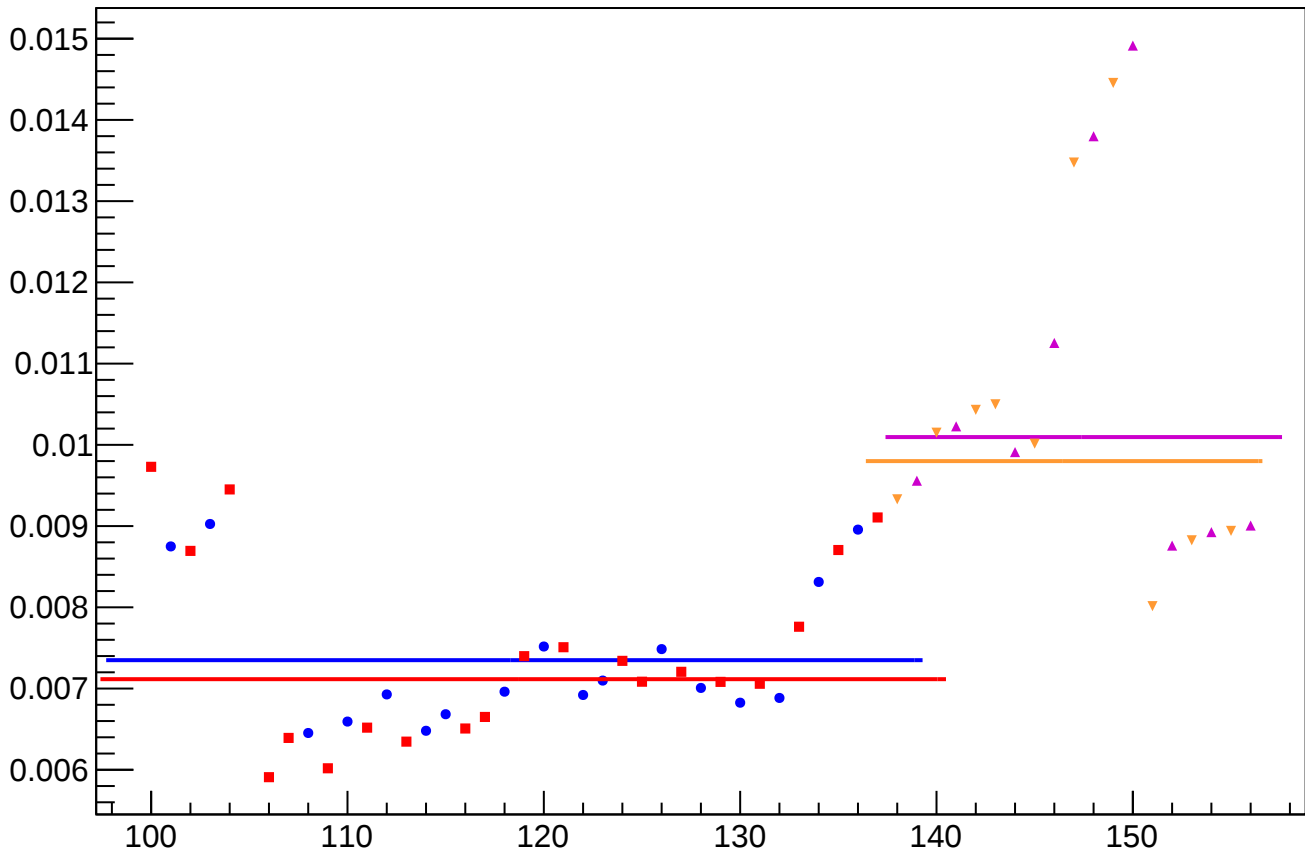
0.829 $\pm$ 0.000 χ^2 /NDF: 38980089509.4/26

Right Out: 1.049 $\pm$ 0.000 χ^2 /NDF: 19787986428.4/19

0.828 $\pm$ 0.000 χ^2 /NDF: 41119802618.6/28

Left In: 0.386 $\pm$ 0.000 χ^2 /NDF:968856165.2/8

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 : 409601.0/9

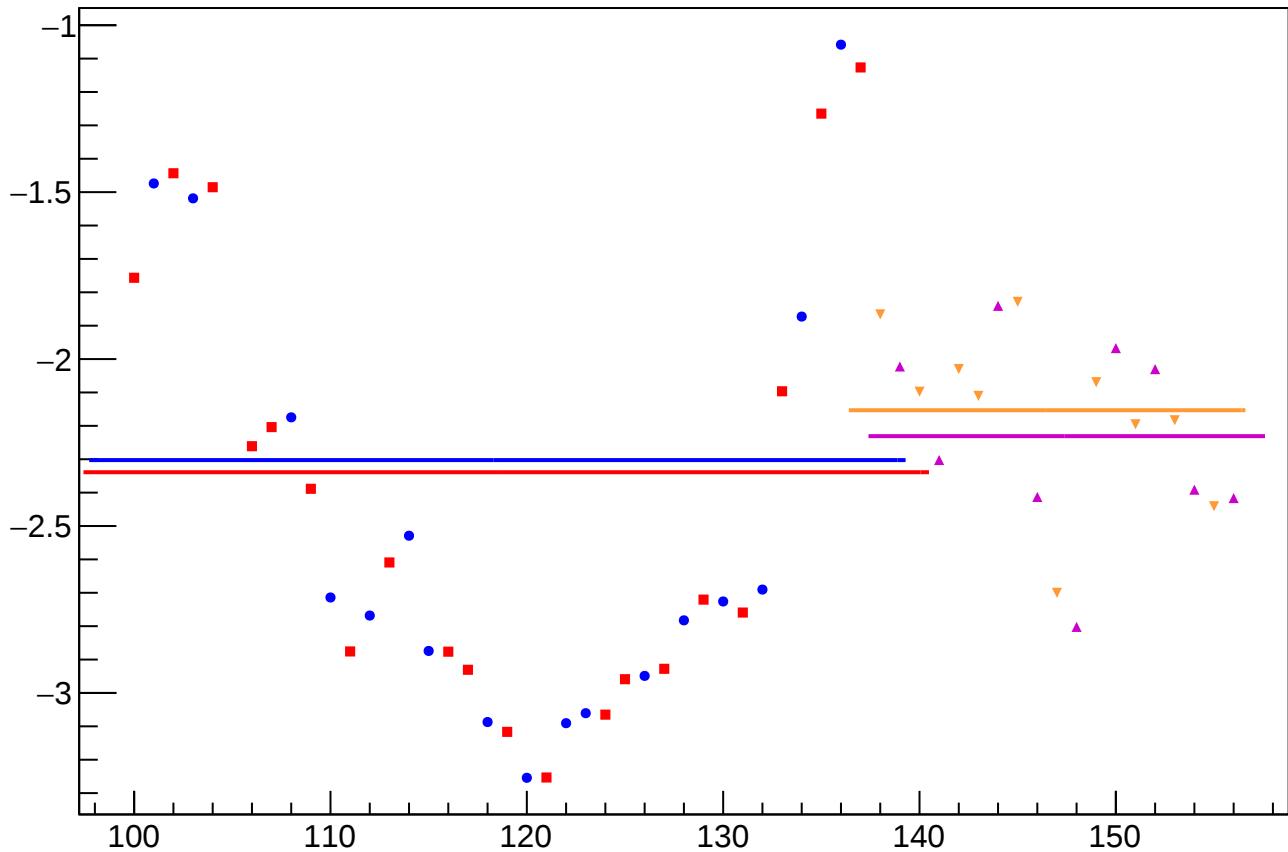
Right Out: 0.007+/-0.000 χ^2/NDF : 259539.3/19

Left In: 0.010+/-0.000 χ^2/NDF : 407137.6/8

0.008+/-0.000 χ^2/NDF : 1144720.4/26

0.008+/-0.000 χ^2/NDF : 1488263.2/28

yield_bpm2i02Y_mean vs Slug



Right In: -2.303+/-0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.153+/-0.000 χ^2/NDF : 4989194671.1/9

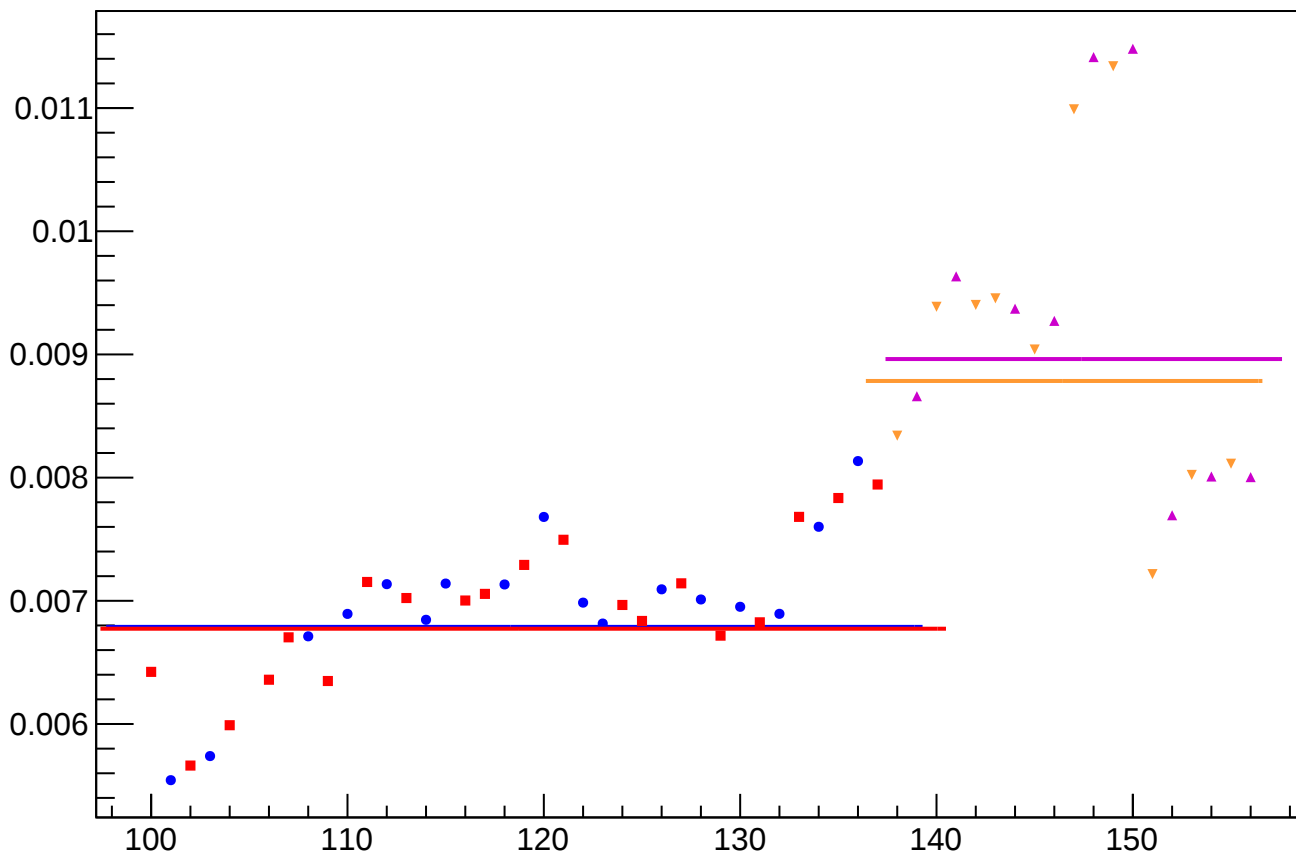
-2.244+/-0.000 χ^2/NDF : 80009171907.6/26

Right Out: -2.339+/-0.000 χ^2/NDF : 64804828308.5/19

-2.299+/-0.000 χ^2/NDF : 71485574799.3/28

Left In: -2.231+/-0.000 χ^2/NDF : 6019992439.6/8

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 : 266518.5/9

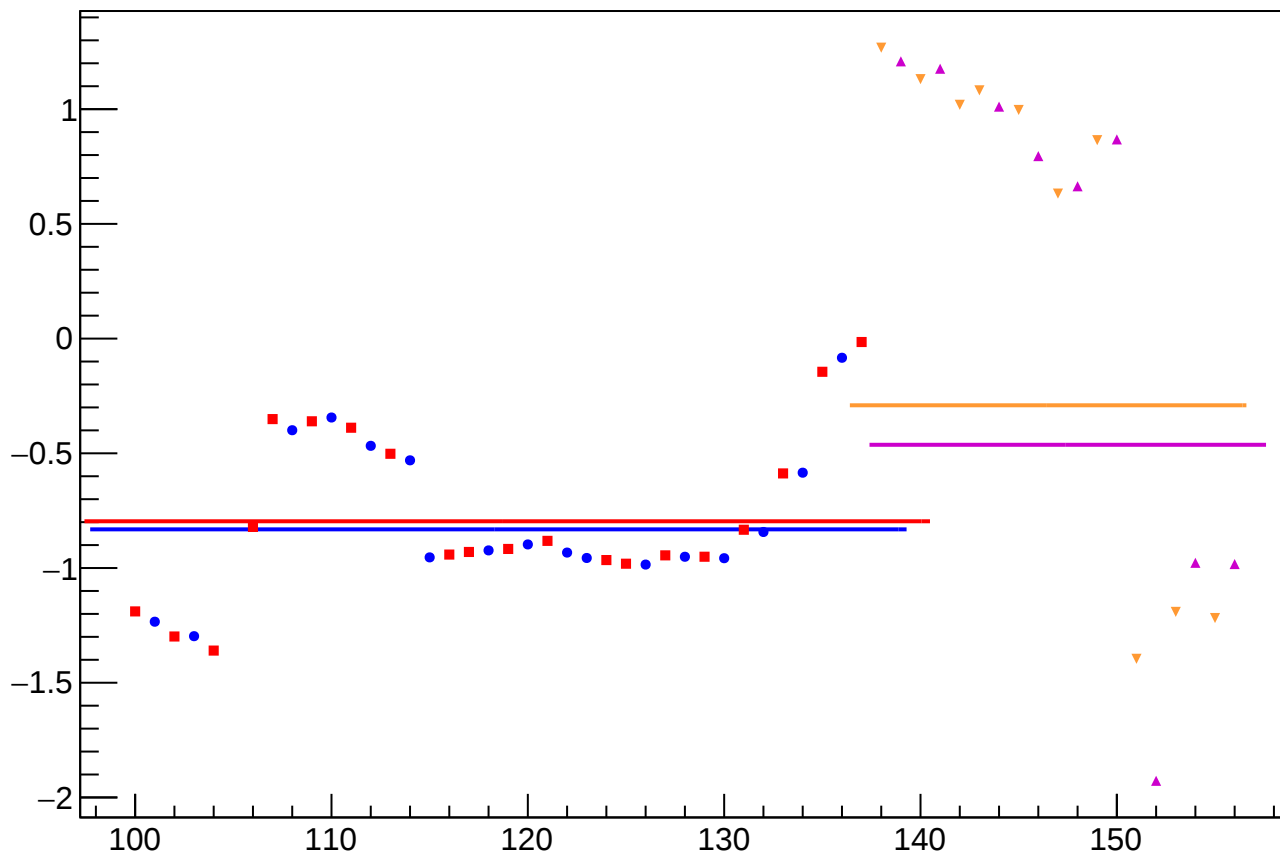
Right Out: 0.007+/-0.000 χ^2/NDF : 123383.6/19

Left In: 0.009+/-0.000 χ^2/NDF : 263003.4/8

0.008+/-0.000 χ^2/NDF : 883663.3/26

0.008+/-0.000 χ^2/NDF : 928894.5/28

yield_bpm0i01X_mean vs Slug



Right In: -0.831+/-0.000 χ^2/NDF : 6692170860.9/16

Left Out: -0.291+/-0.000 χ^2/NDF : 91641286226.0/9

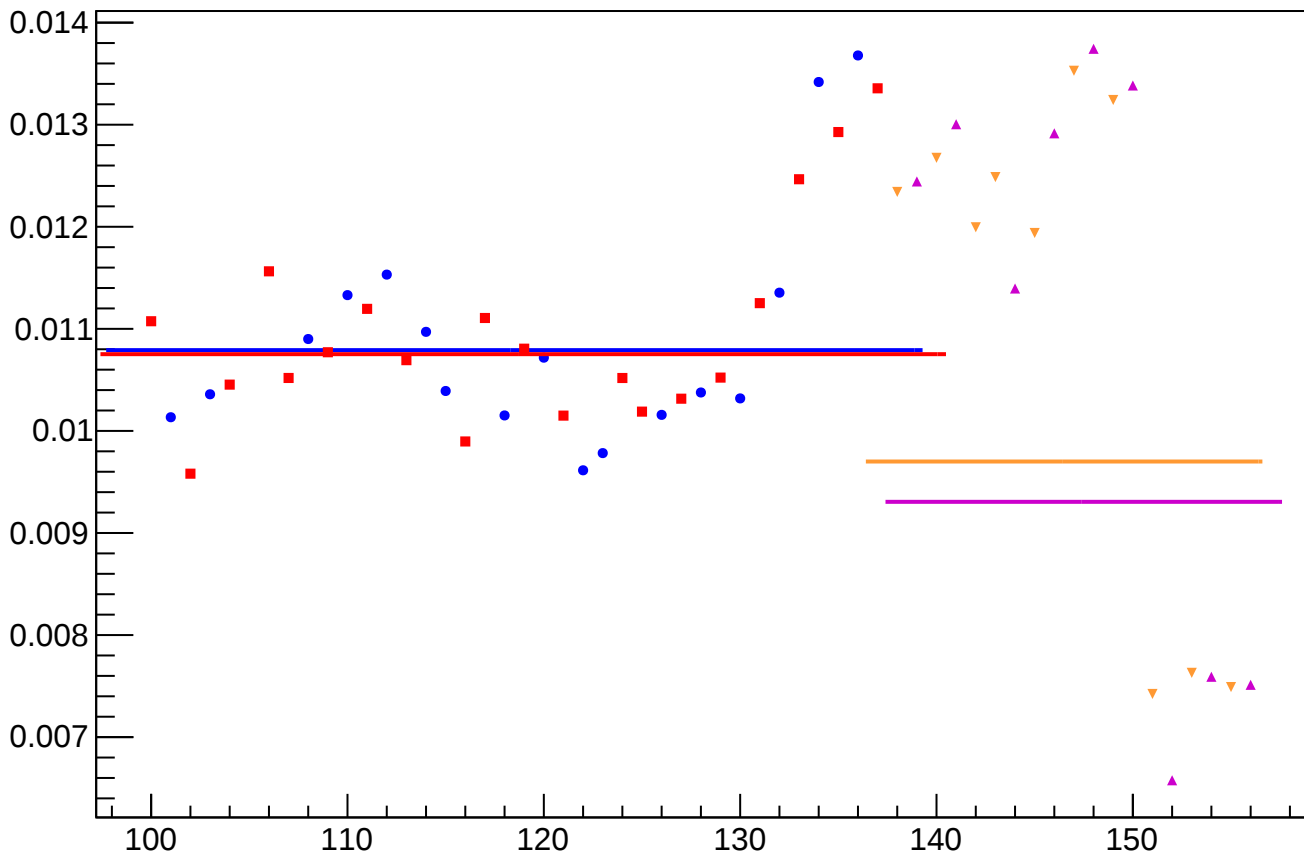
Right Out: -0.796+/-0.000 χ^2/NDF : 7827622544.3/19

Left In: -0.463+/-0.000 χ^2/NDF : 107918738683.4/8

-0.530+/-0.000 χ^2/NDF : 107545483422.5/26

-0.610+/-0.000 χ^2/NDF : 119468351529.3/28

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 125802.4/16

Left Out: 0.010+/-0.000 χ^2/NDF : 923876.7/9

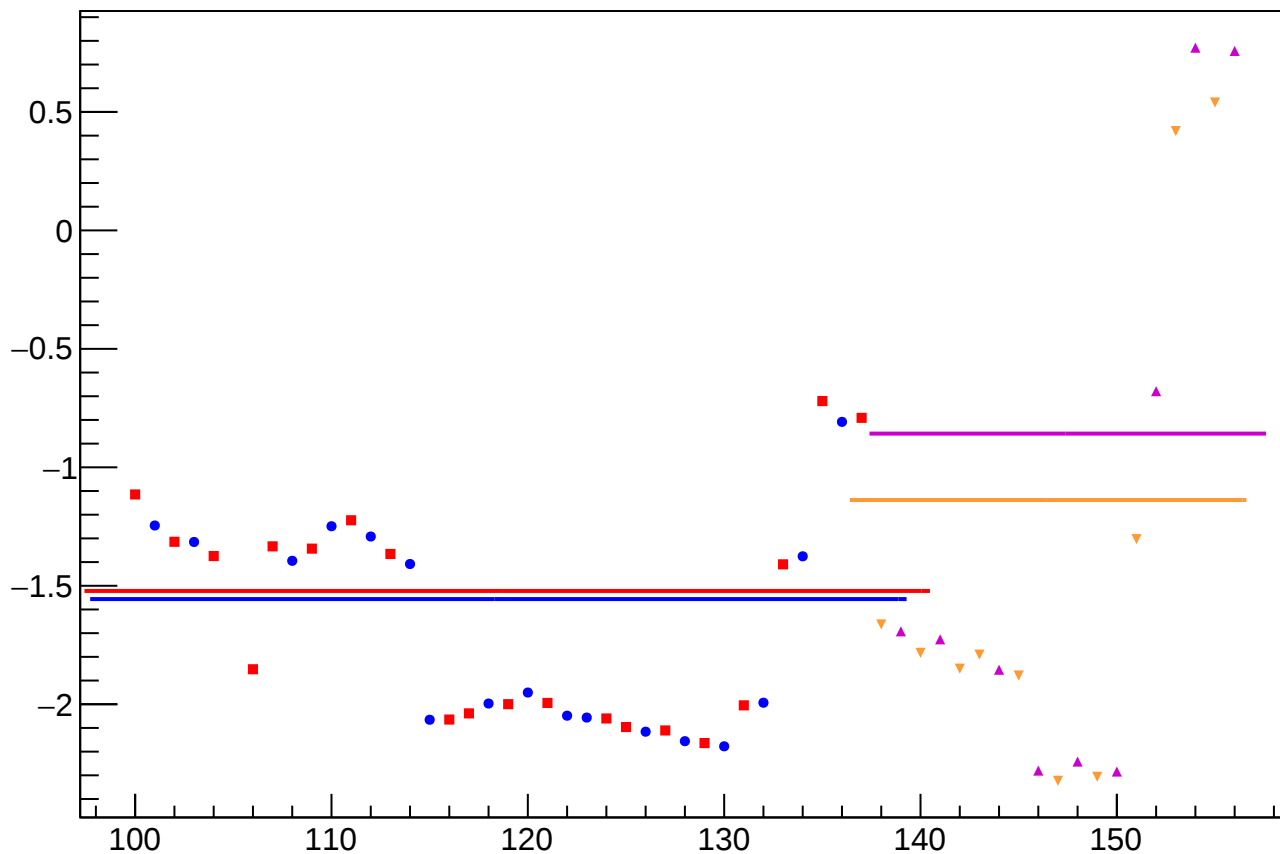
Right Out: 0.011+/-0.000 χ^2/NDF : 90303.3/19

Left In: 0.009+/-0.000 χ^2/NDF : 1166128.9/8

0.010+/-0.000 χ^2/NDF : 1124688.9/26

0.010+/-0.000 χ^2/NDF : 1396618.0/28

yield_bpm0i01Y_mean vs Slug



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: -1.138+/-0.000 χ^2/NDF : 757994980261.3/9

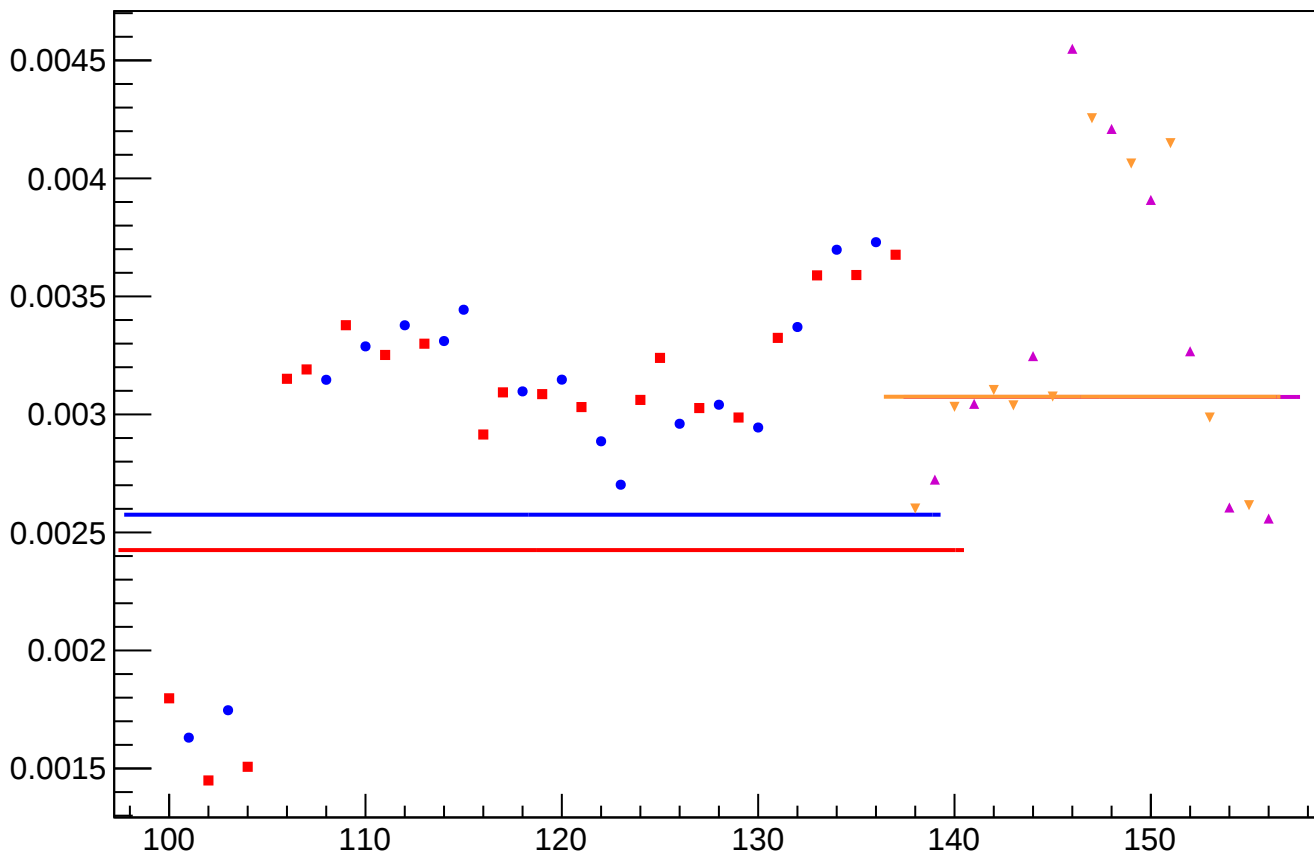
Right Out: -1.522+/-0.000 χ^2/NDF : 139385229659.4/19

Left In: -0.858+/-0.000 χ^2/NDF : 991481505904.0/8

-1.374+/-0.000 χ^2/NDF : 977837551039.5/26

-1.256+/-0.000 χ^2/NDF : 1301890092679.0/28

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 :335829.7/9

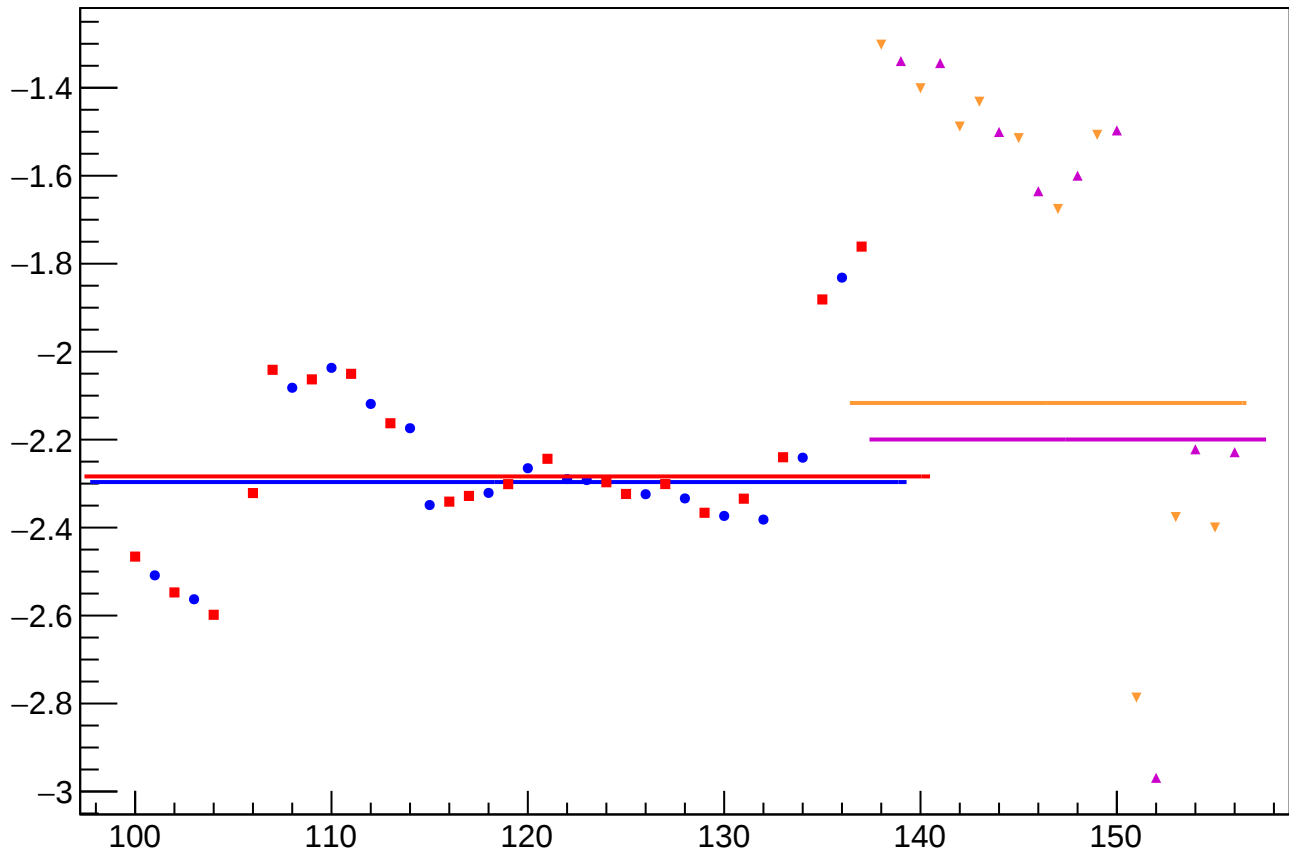
Right Out: 0.002+/-0.000 χ^2/NDF : 1493210.7/19

Left In: 0.003+/-0.000 χ^2/NDF :398822.6/8

0.003+/-0.000 χ^2/NDF : 1535099.8/26

0.003+/-0.000 χ^2/NDF : 2218425.4/28

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -2.117+/-0.000 χ^2/NDF : 47274349660.5/9

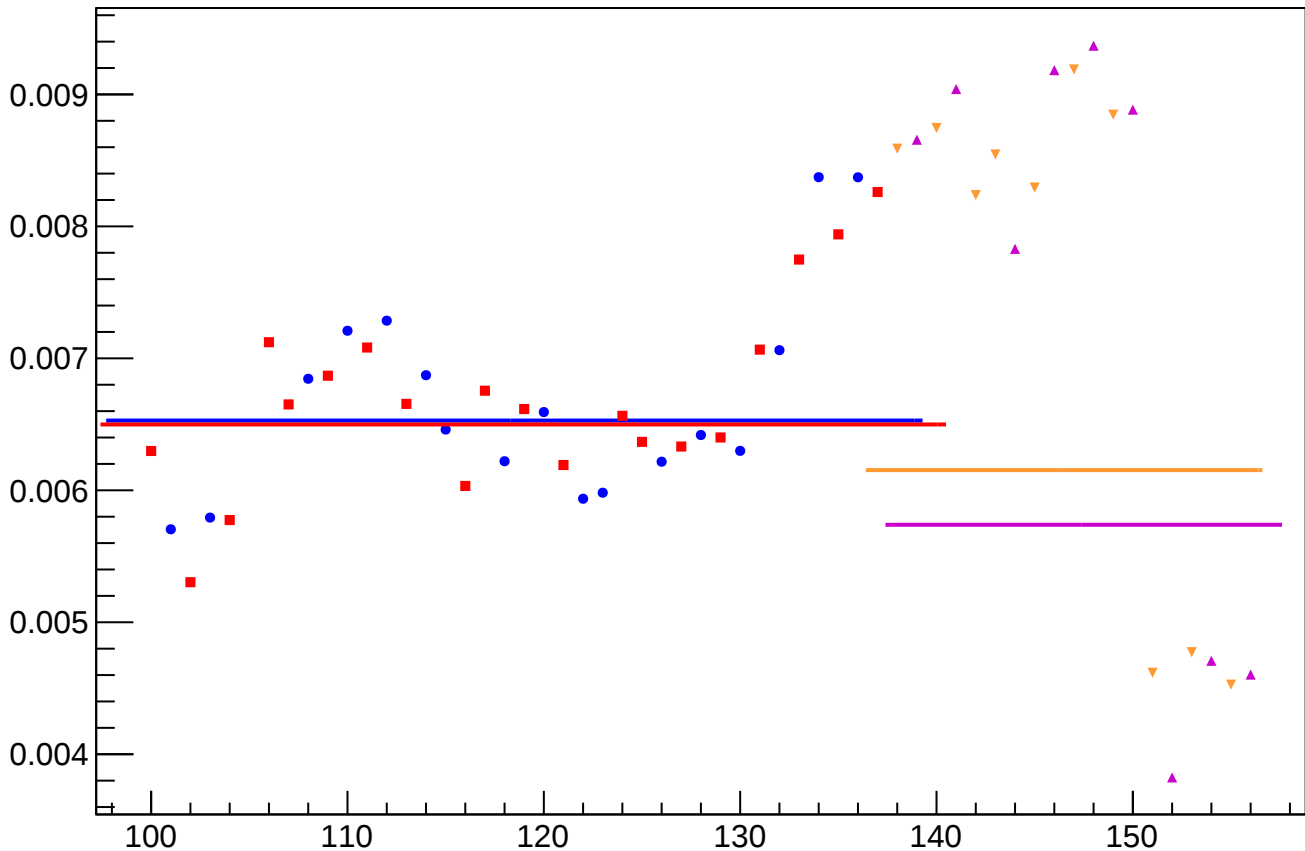
Right Out: -2.284+/-0.000 χ^2/NDF : 6550363990.6/19

Left In: -2.200+/-0.000 χ^2/NDF : 63608262412.8/8

-2.202+/-0.000 χ^2/NDF : 55639736289.5/26

-2.239+/-0.000 χ^2/NDF : 70769249993.5/28

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 176467.7/16

Left Out: 0.006+/-0.000 χ^2/NDF :1287653.4/9

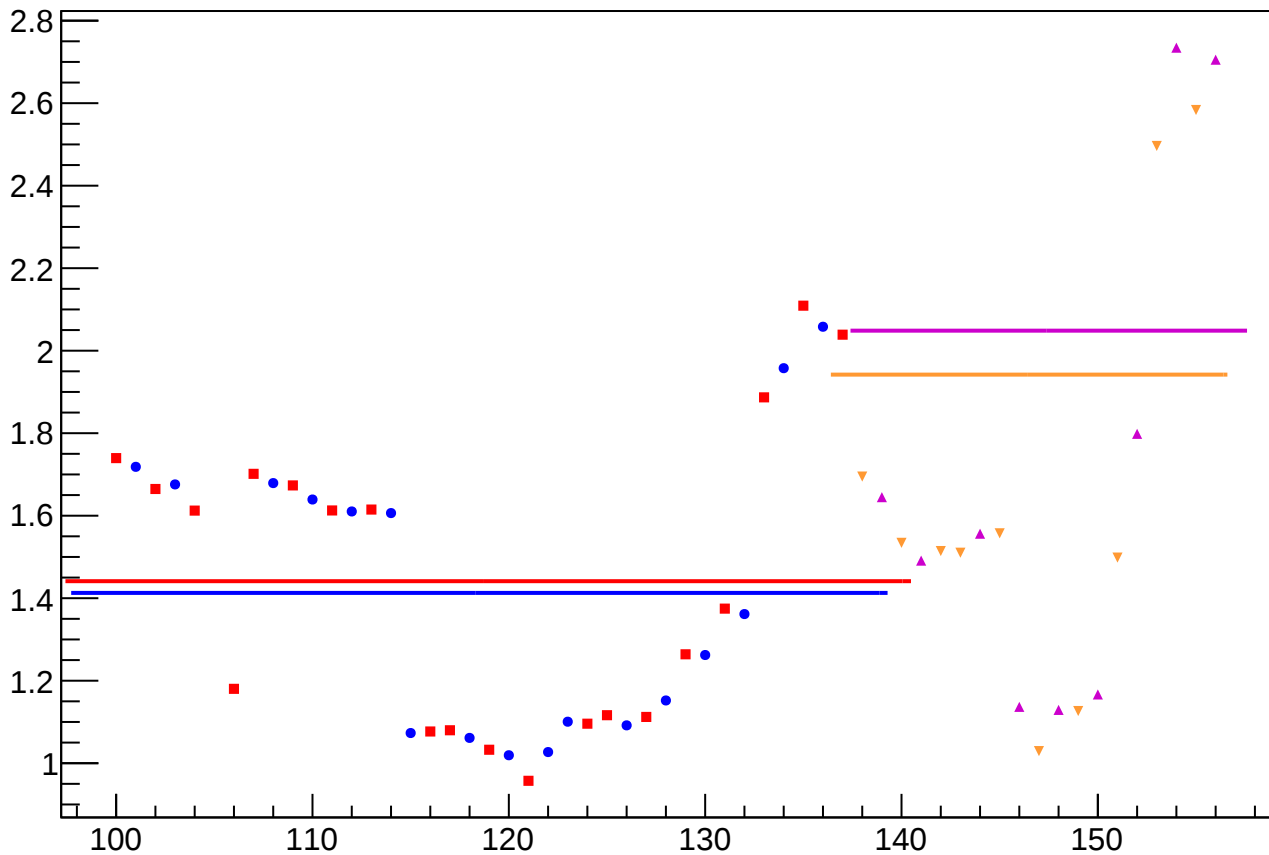
Right Out: 0.006+/-0.000 χ^2/NDF : 164253.8/19

Left In: 0.006+/-0.000 χ^2/NDF :1691306.1/8

0.006+/-0.000 χ^2/NDF : 1486652.1/26

0.006+/-0.000 χ^2/NDF : 1955663.3/28

yield_bpm0i01aY_mean vs Slug



Right In: 1.413 ± 0.000 χ^2/NDF : 172560306608.0/16

Left Out: 1.942 ± 0.000 χ^2/NDF : 96119477384.5/9

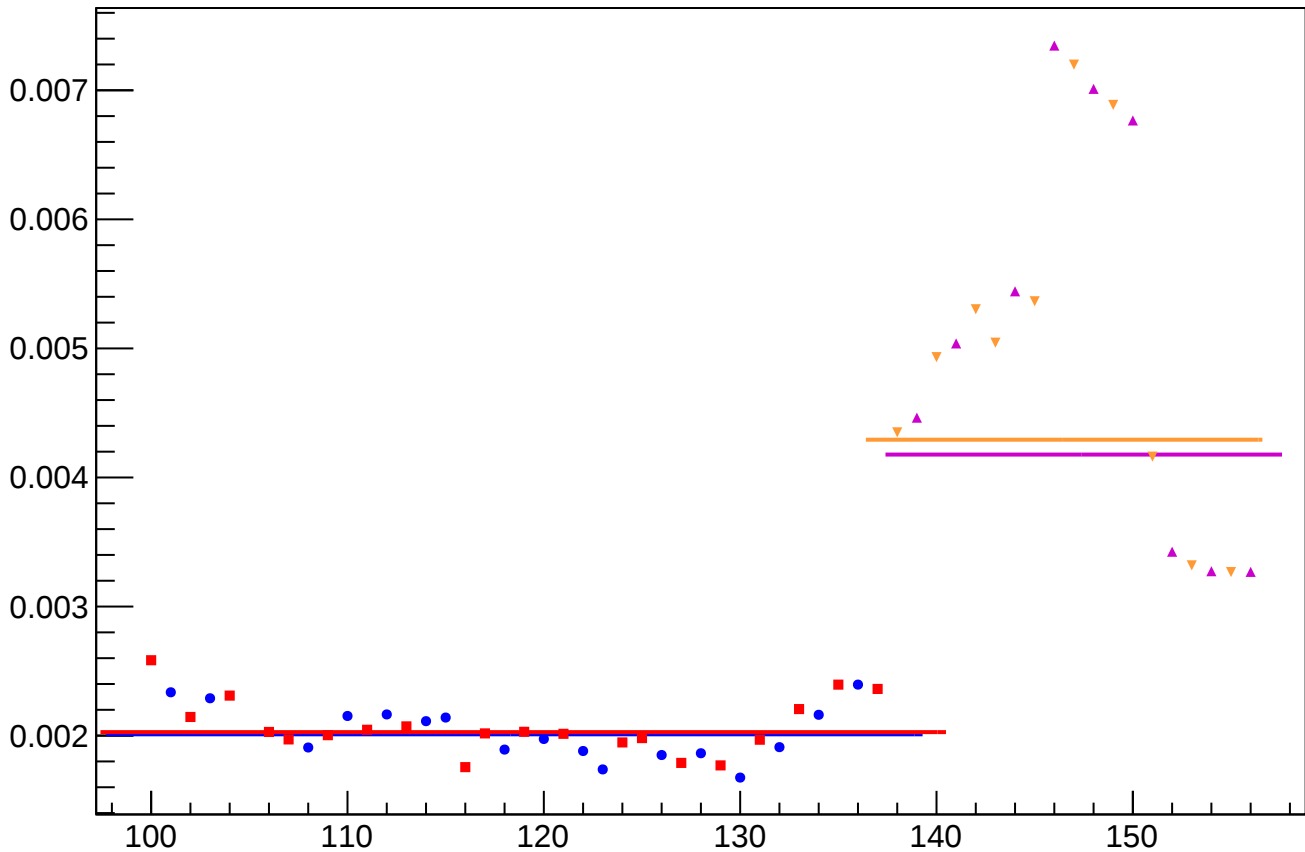
1.509 ± 0.000 χ^2/NDF : 346248868025.7/26

Right Out: 1.441 ± 0.000 χ^2/NDF : 174346888744.4/19

1.550 ± 0.000 χ^2/NDF : 403509934324.1/28

Left In: 2.049 ± 0.000 χ^2/NDF : 124295588508.8/8

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 152530.4/16

Left Out: 0.004+/-0.000 χ^2/NDF : 801984.0/9

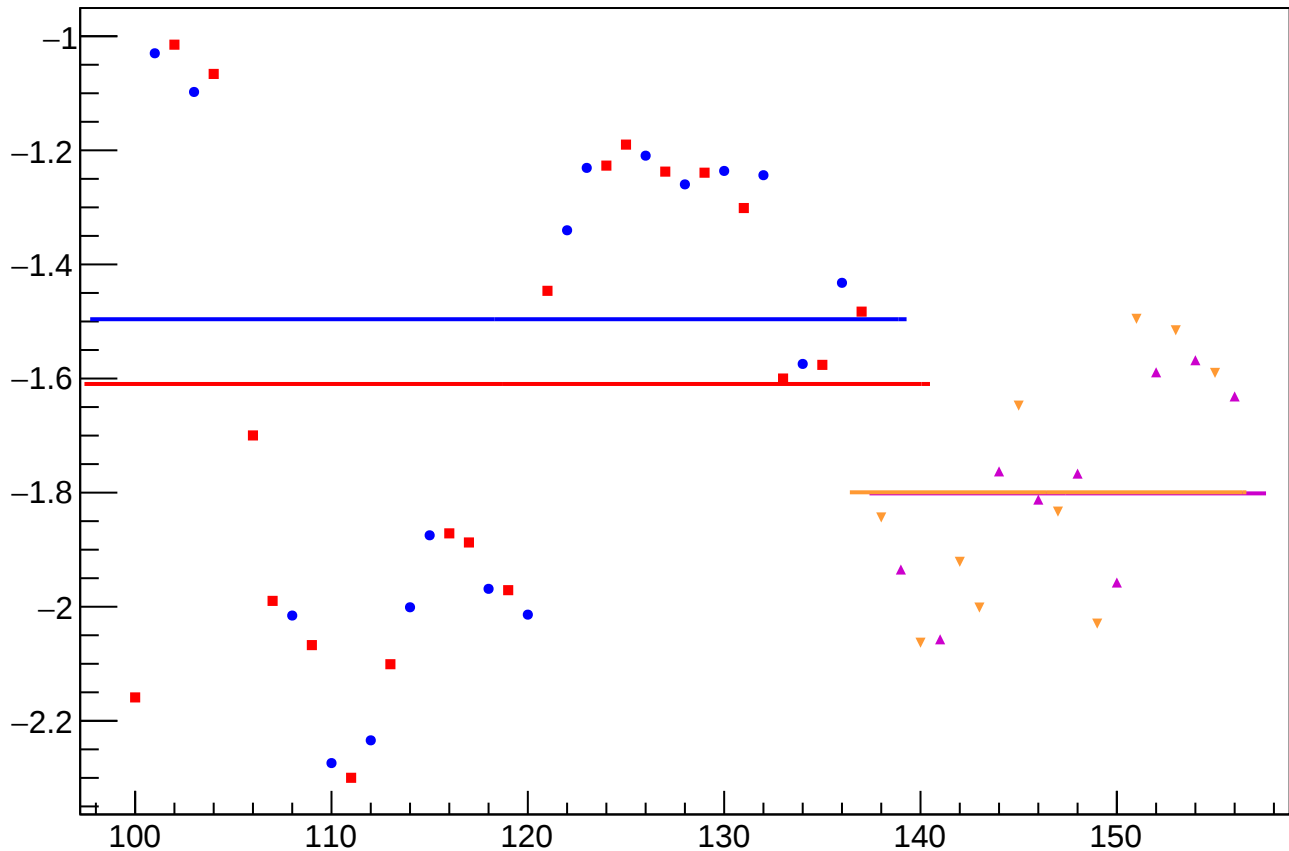
Right Out: 0.002+/-0.000 χ^2/NDF : 103927.8/19

Left In: 0.004+/-0.000 χ^2/NDF : 1087622.9/8

0.002+/-0.000 χ^2/NDF : 3841343.5/26

0.002+/-0.000 χ^2/NDF : 3821458.7/28

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.799+/-0.000 χ^2/NDF : 8525137045.2/9

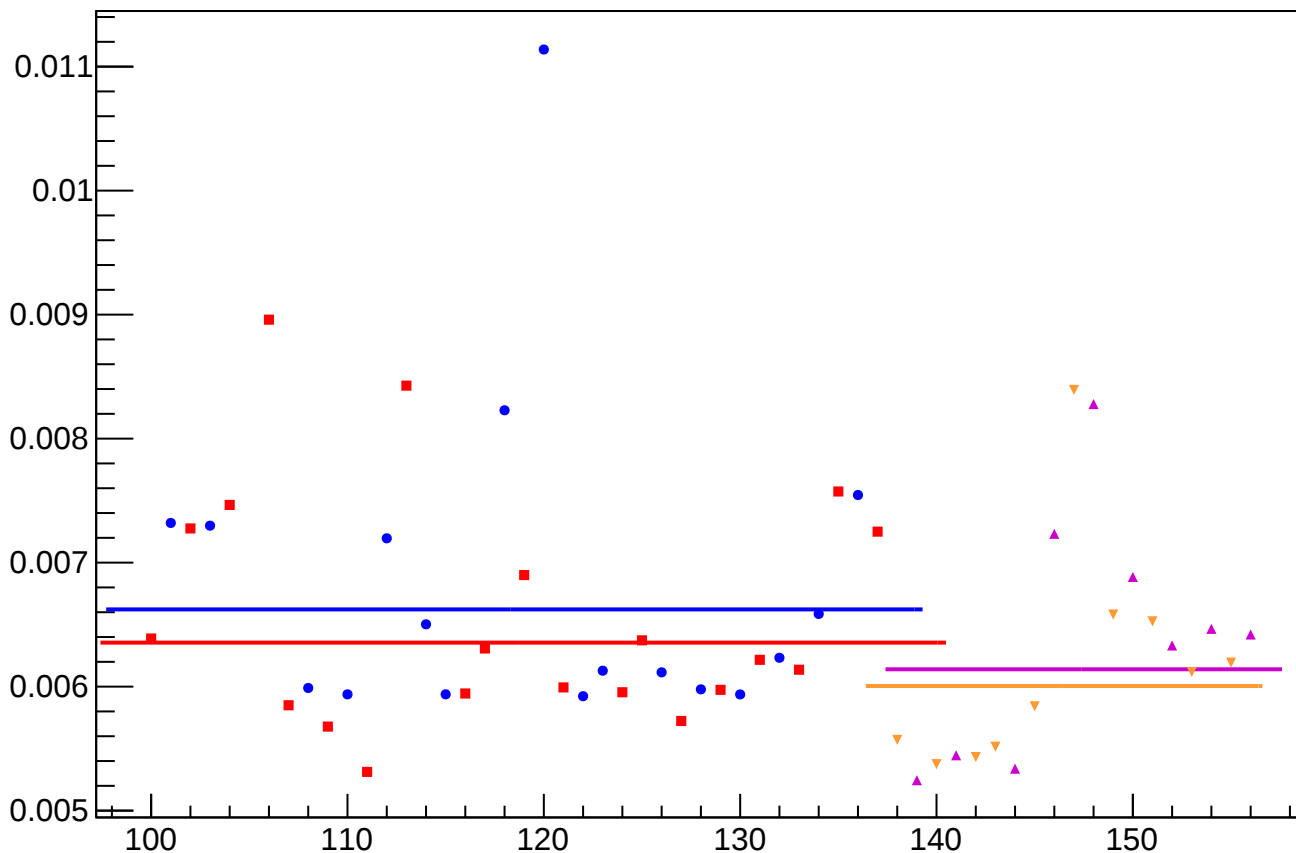
-1.672+/-0.000 χ^2/NDF : 38452705883.5/26

Right Out: -1.610+/-0.000 χ^2/NDF : 27919840690.9/19

-1.709+/-0.000 χ^2/NDF : 36204043579.2/28

Left In: -1.801+/-0.000 χ^2/NDF : 5145420724.7/8

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 :186261.0/9

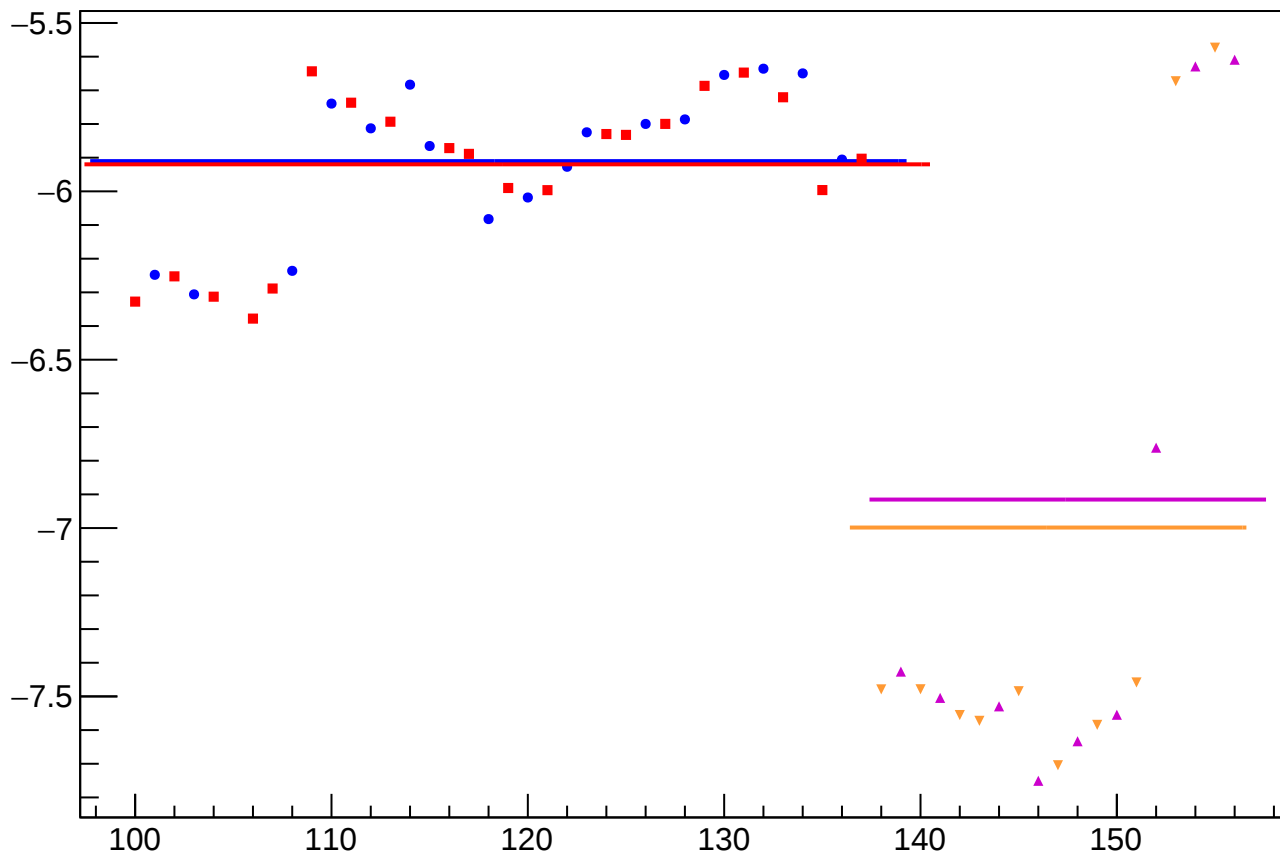
Right Out: 0.006+/-0.000 χ^2/NDF : 227865.9/19

Left In: 0.006+/-0.000 χ^2/NDF :256537.0/8

0.006+/-0.000 χ^2/NDF : 480305.3/26

0.006+/-0.000 χ^2/NDF : 492299.3/28

yield_bpm0l01Y_mean vs Slug



Right In: -5.910+/-0.000 χ^2/NDF : 11154434512.7/16

Left Out: -6.998+/-0.000 χ^2/NDF : 70133851169.9/9

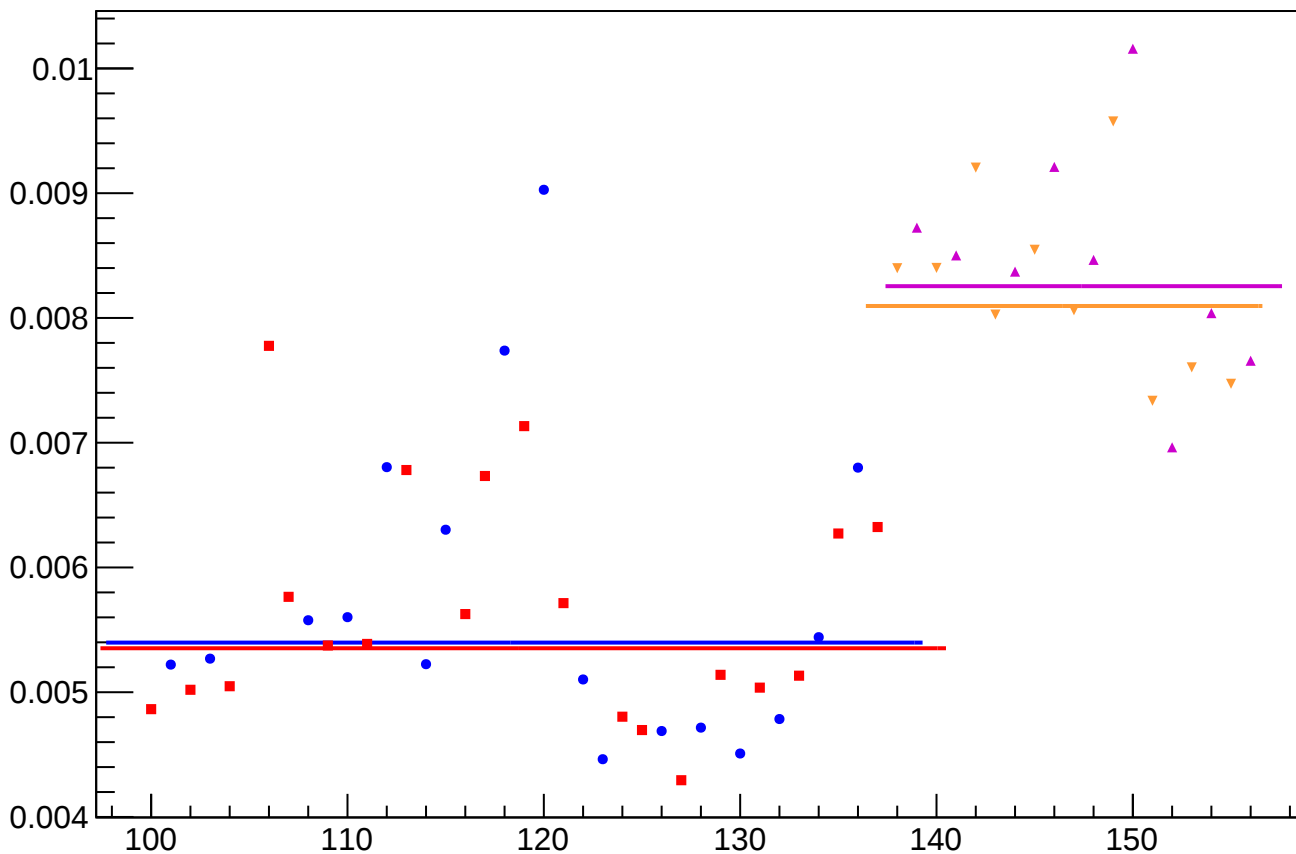
Right Out: -5.920+/-0.000 χ^2/NDF : 12786449843.6/19

Left In: -6.915+/-0.000 χ^2/NDF : 63746494521.6/8

-6.255+/-0.000 χ^2/NDF : 157468272419.6/26

-6.210+/-0.000 χ^2/NDF : 141150518502.6/28

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 :80068.3/9

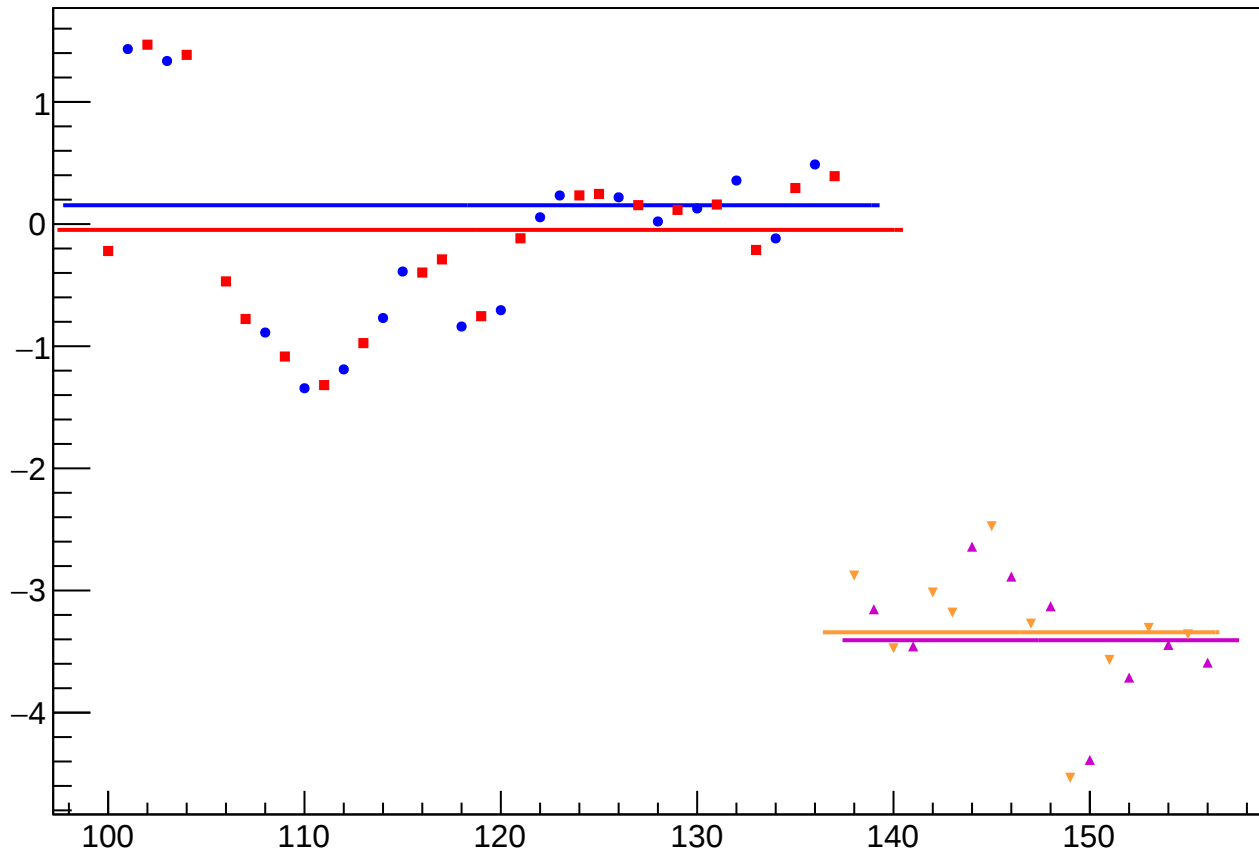
Right Out: 0.005+/-0.000 χ^2/NDF : 252664.1/19

Left In: 0.008+/-0.000 χ^2/NDF :131216.4/8

0.006+/-0.000 χ^2/NDF : 1387907.9/26

0.006+/-0.000 χ^2/NDF : 1482203.0/28

yield_bpm0l02X_mean vs Slug



Right In: 0.154+/-0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.342+/-0.000 χ^2/NDF : 6544093687.7/9

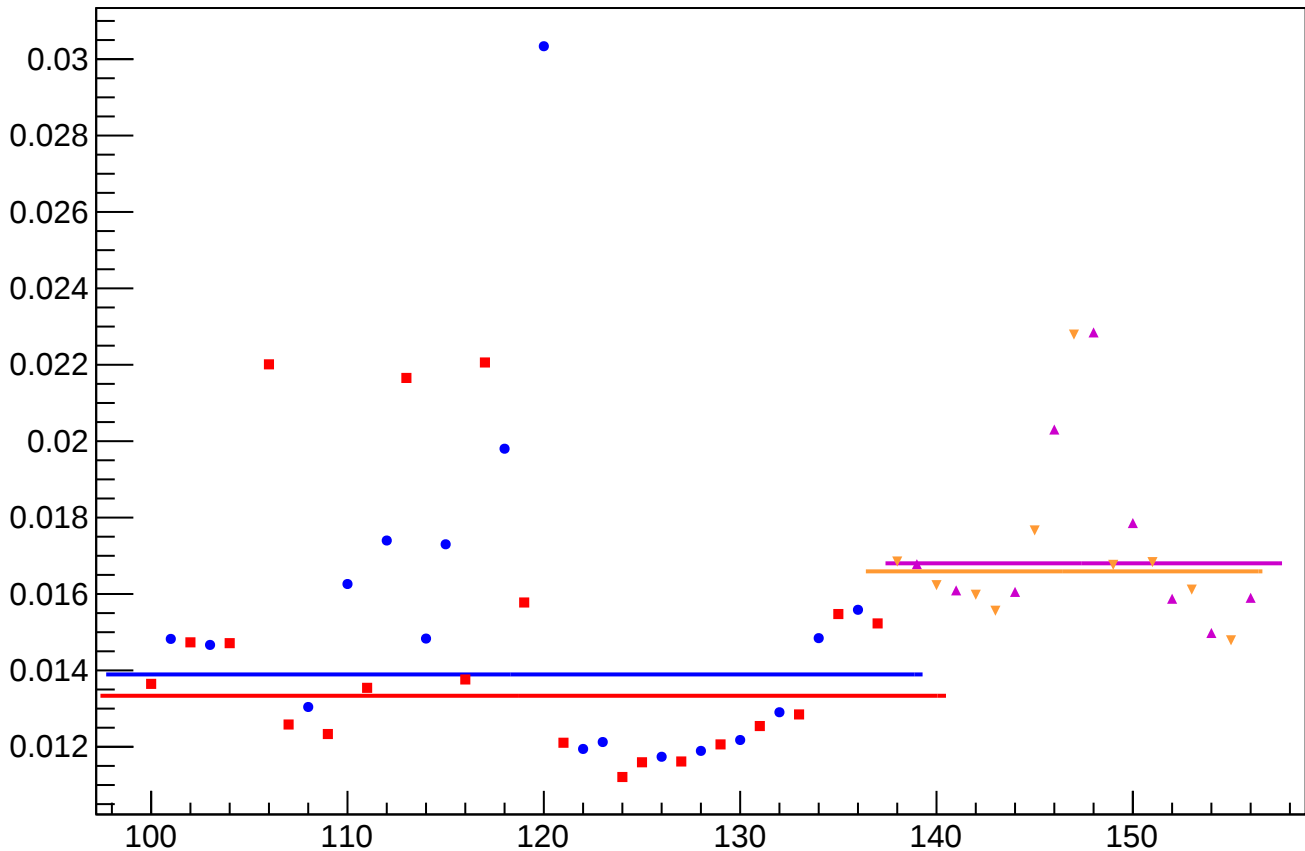
-1.420+/-0.000 χ^2/NDF : 192312163909.1/26

Right Out: -0.047+/-0.000 χ^2/NDF : 21216074494.2/19

-1.384+/-0.000 χ^2/NDF : 190530766009.5/28

Left In: -3.407+/-0.000 χ^2/NDF : 5416433926.0/8

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 :142550.7/9

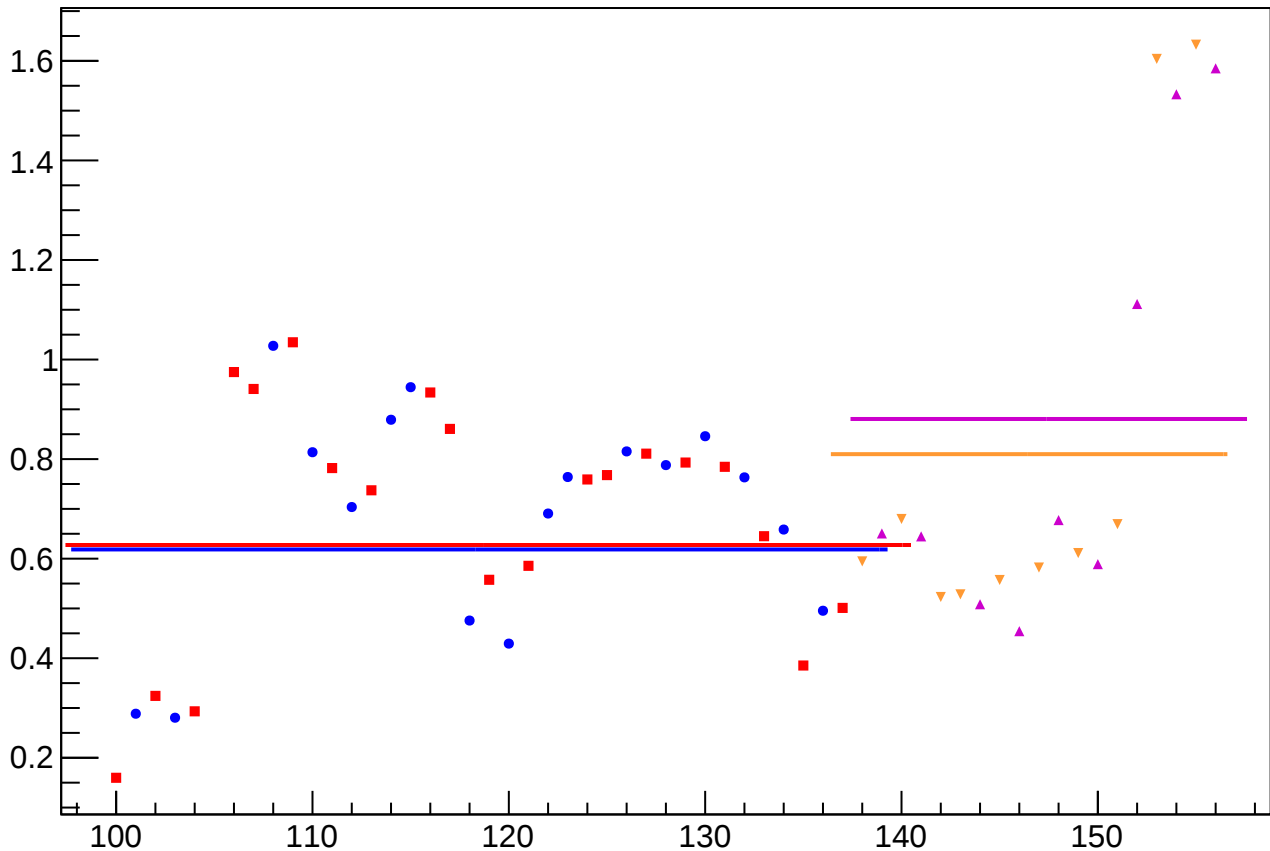
Right Out: 0.013+/-0.000 χ^2/NDF : 303459.9/19

Left In: 0.017+/-0.000 χ^2/NDF :190297.0/8

0.015+/-0.000 χ^2/NDF : 744126.5/26

0.015+/-0.000 χ^2/NDF : 842797.4/28

yield_bpm0l02Y_mean vs Slug



Right In: 0.619+/-0.000 χ^2/NDF : 5416939288.1/16

Left Out: 0.810+/-0.000 χ^2/NDF : 20237846077.6/9

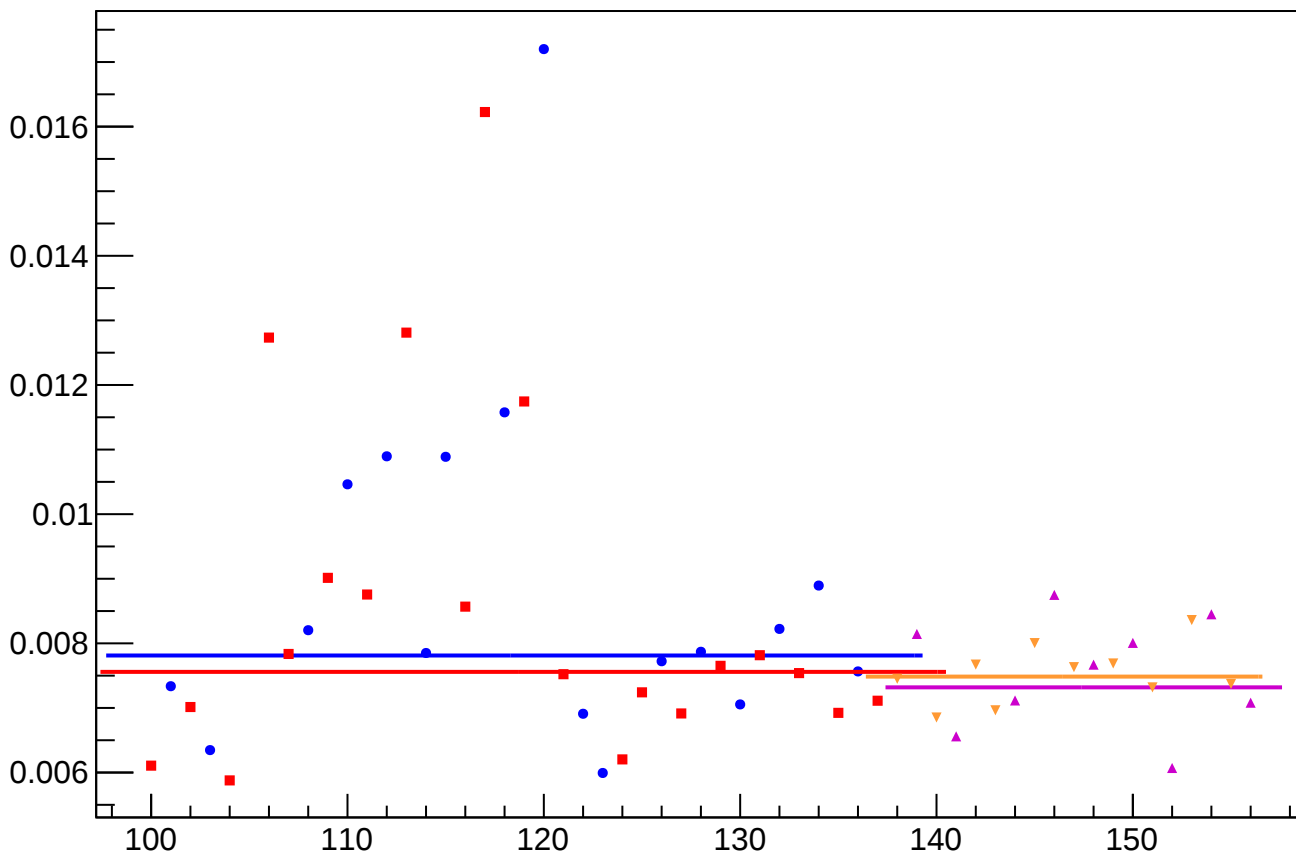
Right Out: 0.627+/-0.000 χ^2/NDF : 6345684740.0/19

Left In: 0.881+/-0.000 χ^2/NDF : 20010383191.7/8

0.725+/-0.000 χ^2/NDF : 27590615024.3/26

0.762+/-0.000 χ^2/NDF : 30072548186.0/28

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 :45012.8/9

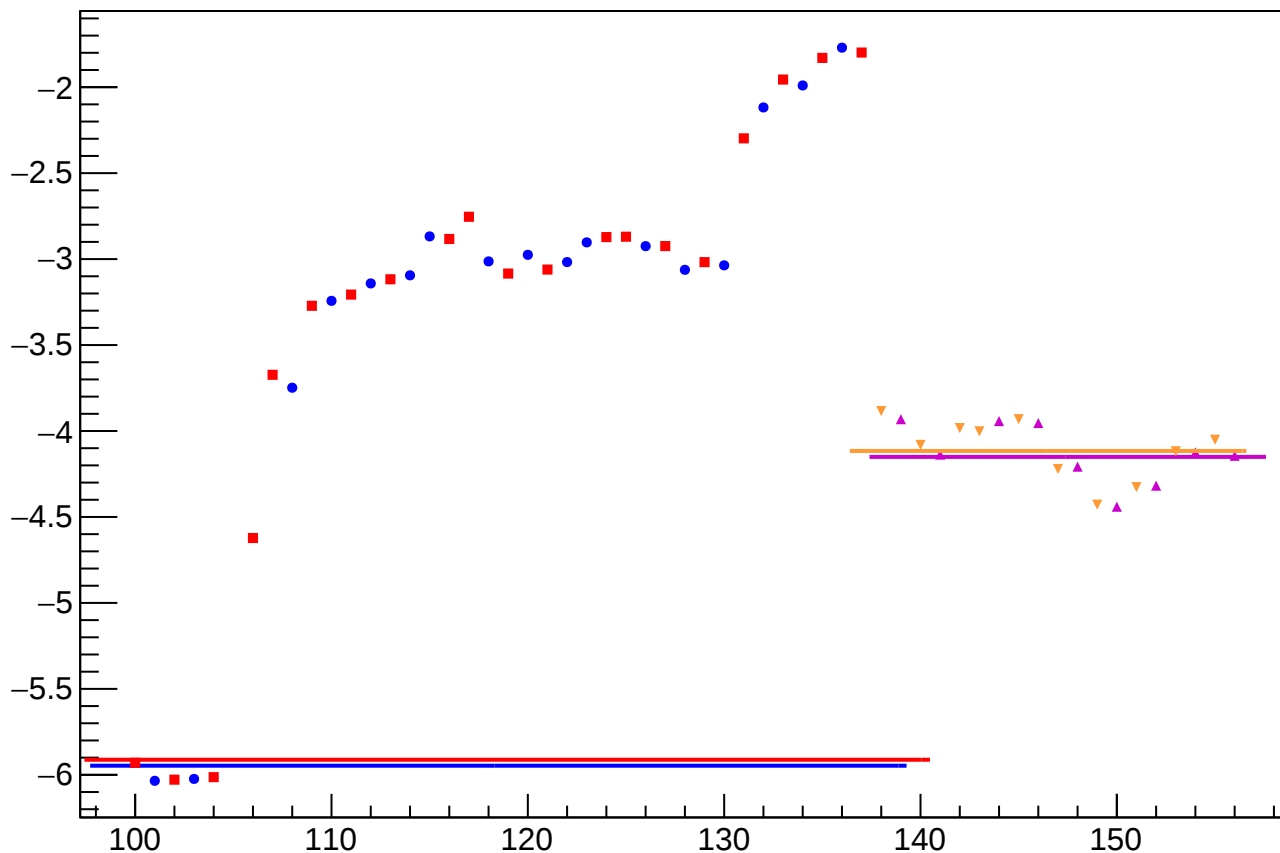
Right Out: 0.008+/-0.000 χ^2/NDF : 463232.7/19

Left In: 0.007+/-0.000 χ^2/NDF :182781.1/8

0.008+/-0.000 χ^2/NDF : 523116.8/26

0.007+/-0.000 χ^2/NDF : 652676.4/28

yield_bpm0l03X_mean vs Slug



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -4.116+/-0.000 χ^2/NDF : 29422563.9/9

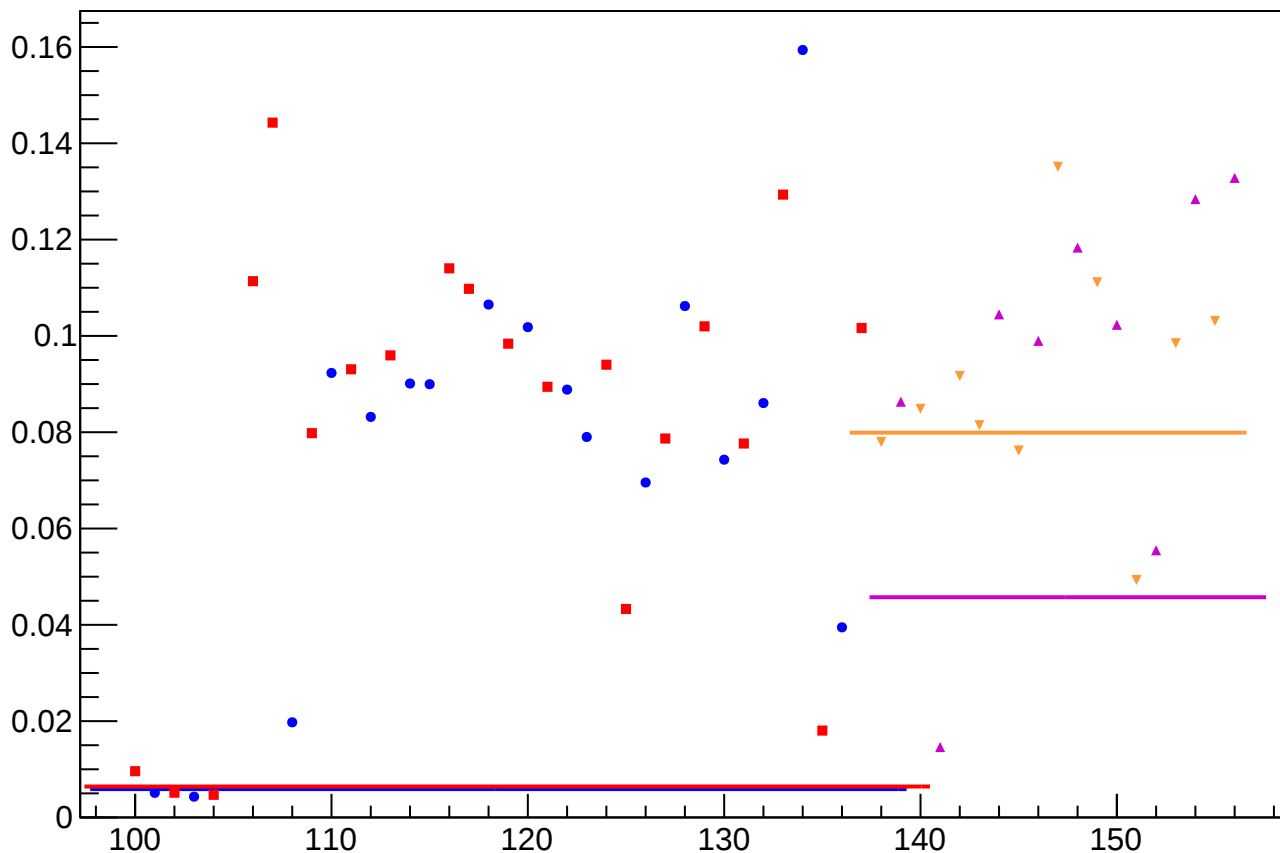
Right Out: -5.912+/-0.000 χ^2/NDF : 14648055548.9/19

Left In: -4.151+/-0.000 χ^2/NDF : 20959617.7/8

-5.911+/-0.000 χ^2/NDF : 16294234621.8/26

-5.846+/-0.000 χ^2/NDF : 19119221061.8/28

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 7934545.2/16

Left Out: 0.080+/-0.000 χ^2/NDF : 929153.2/9

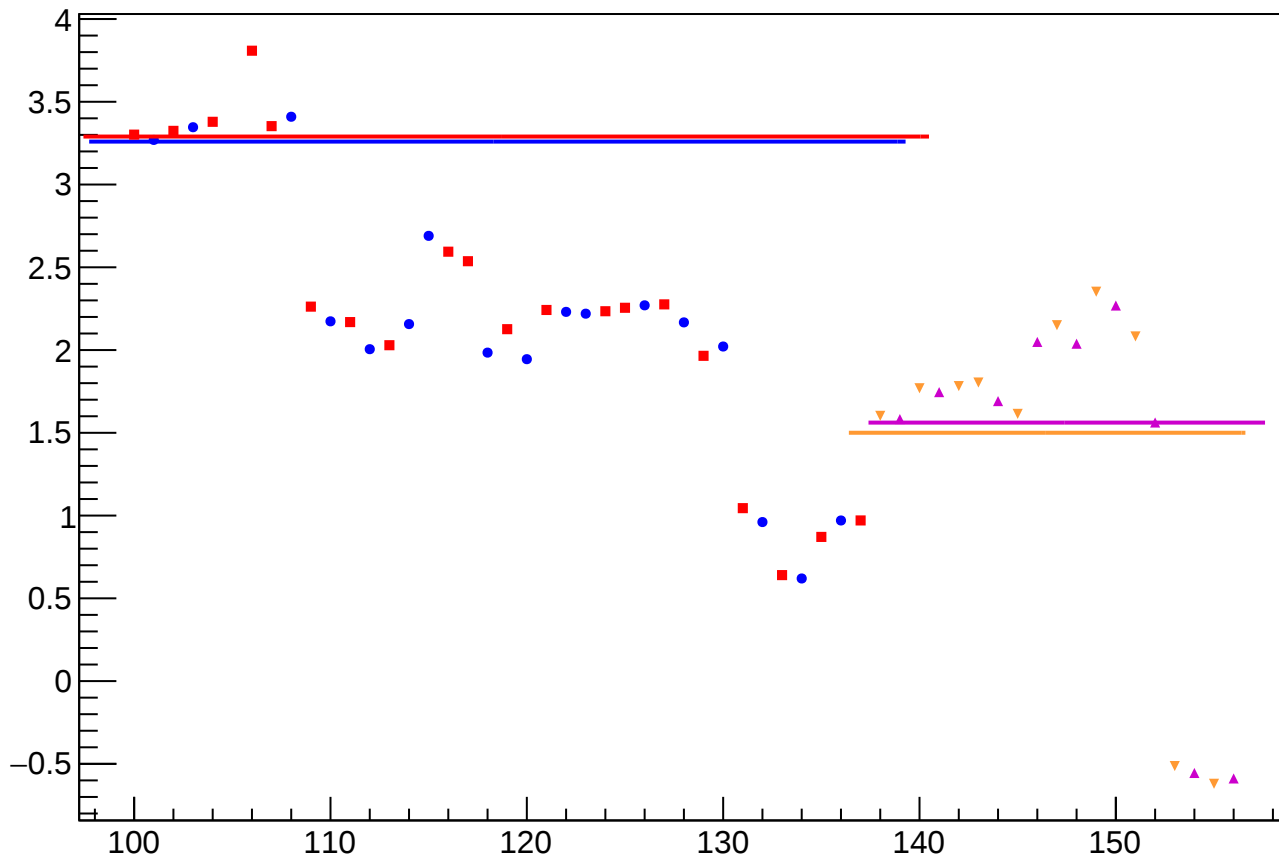
Right Out: 0.006+/-0.000 χ^2/NDF : 8558731.2/19

Left In: 0.046+/-0.000 χ^2/NDF : 4983497.2/8

0.007+/-0.000 χ^2/NDF : 18993018.6/26

0.008+/-0.000 χ^2/NDF : 17973022.1/28

yield_bpm0l03Y_mean vs Slug



Right In: 3.259 $\pm$ 0.000 χ^2 /NDF: 2921931976.8/16

Left Out: 1.500 $\pm$ 0.000 χ^2 /NDF: 725729137.1/9

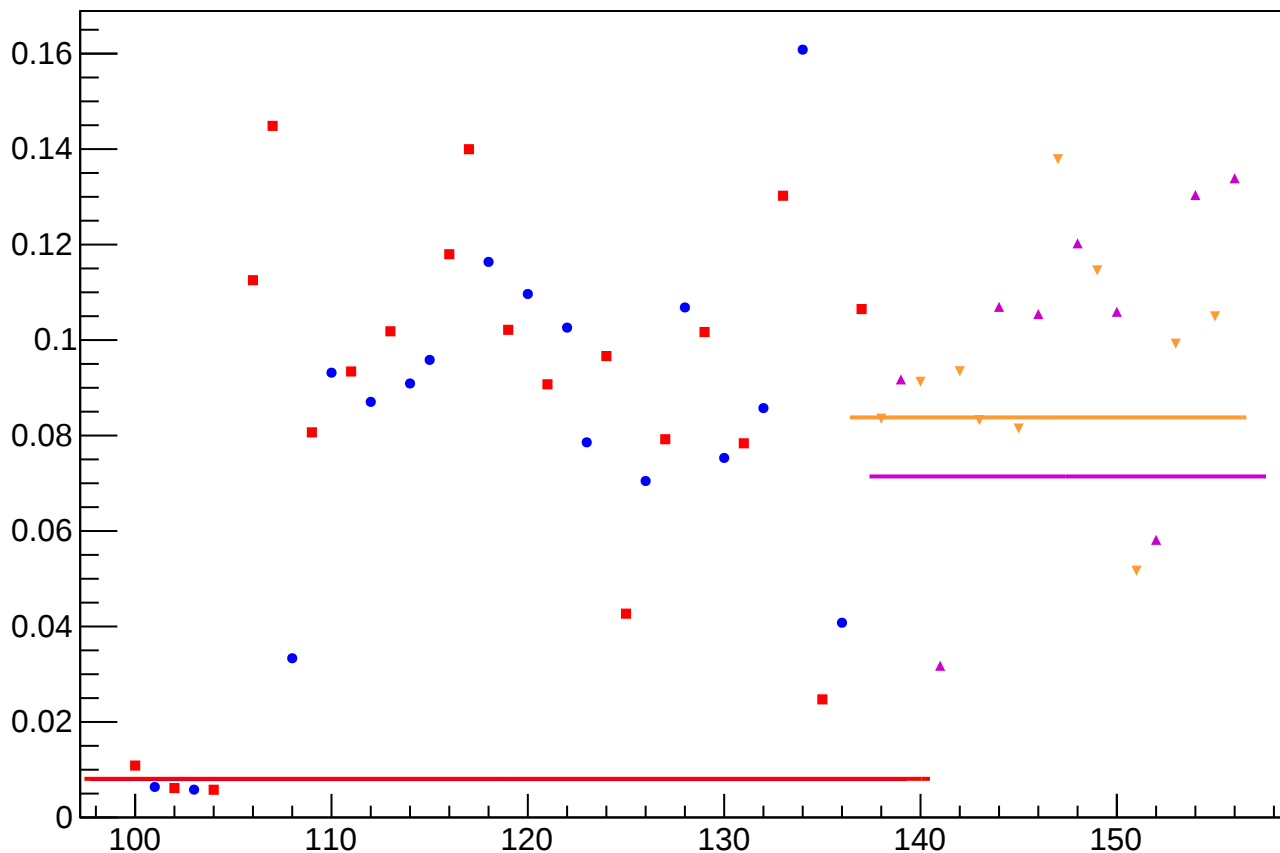
3.208 $\pm$ 0.000 χ^2 /NDF: 6239151912.1/26

Right Out: 3.290 $\pm$ 0.000 χ^2 /NDF: 3263300926.6/19

3.233 $\pm$ 0.000 χ^2 /NDF: 6275295122.1/28

Left In: 1.562 $\pm$ 0.000 χ^2 /NDF: 430390374.3/8

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 7742048.1/16

Left Out: 0.084+/-0.000 χ^2/NDF : 860552.3/9

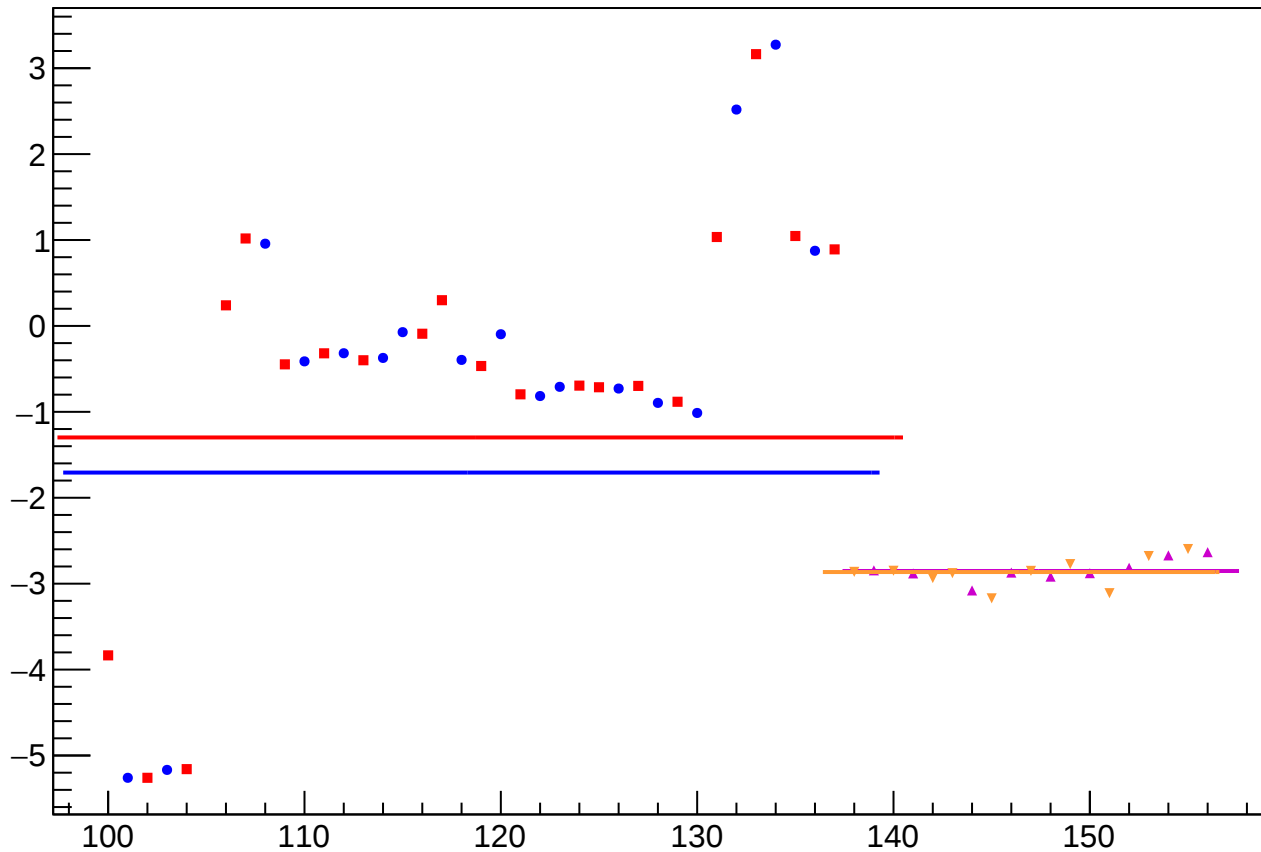
Right Out: 0.008+/-0.000 χ^2/NDF : 8375005.0/19

Left In: 0.071+/-0.000 χ^2/NDF : 2404793.9/8

0.010+/-0.000 χ^2/NDF : 18214626.0/26

0.010+/-0.000 χ^2/NDF : 17714806.5/28

yield_bpm0l04X_mean vs Slug



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.865+/-0.000 χ^2/NDF : 3375582238.7/9

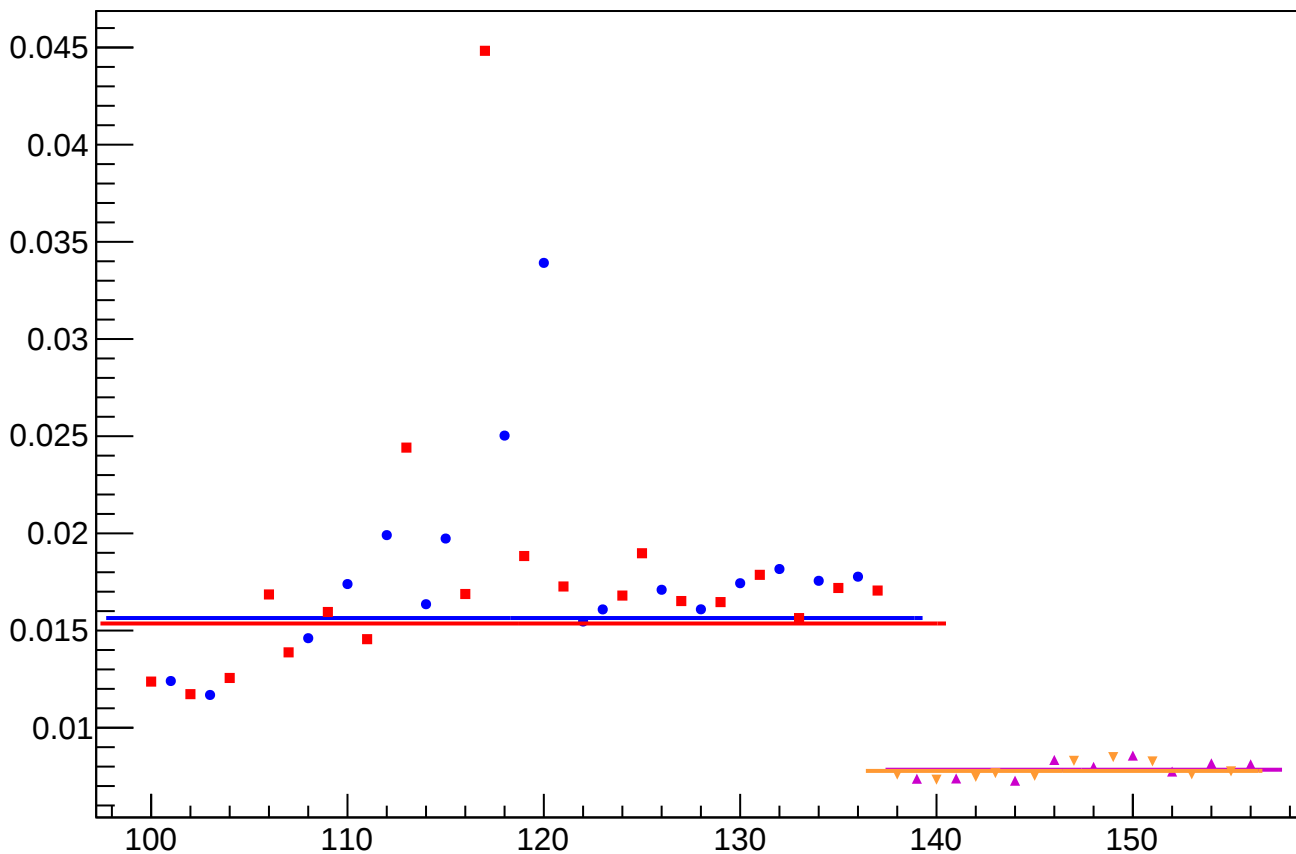
-2.674+/-0.000 χ^2/NDF : 195141546169.5/26

Right Out: -1.298+/-0.000 χ^2/NDF : 178085926993.4/19

-2.559+/-0.000 χ^2/NDF : 231562851769.1/28

Left In: -2.852+/-0.000 χ^2/NDF : 1820942940.4/8

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 : 32524.6/9

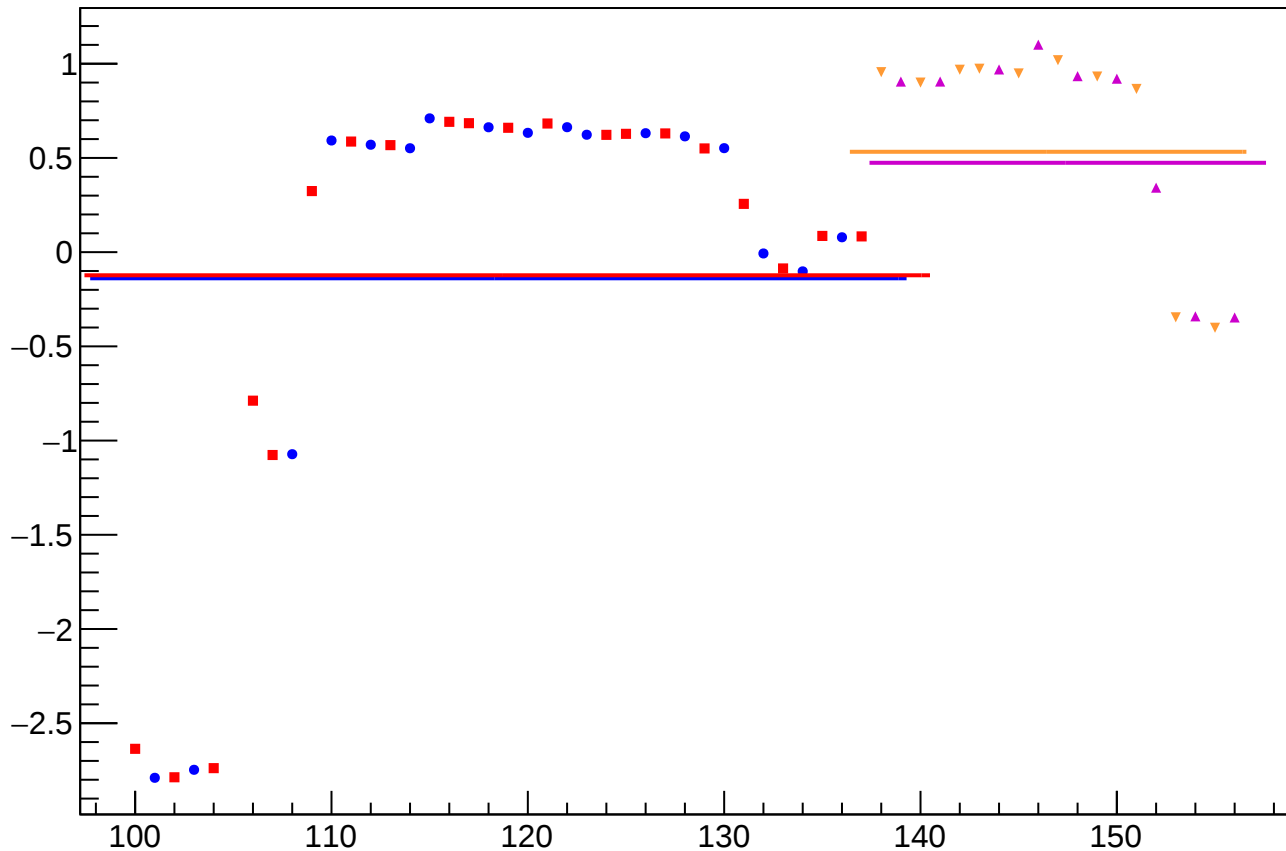
Right Out: 0.015+/-0.000 χ^2/NDF : 387283.2/19

Left In: 0.008+/-0.000 χ^2/NDF : 43793.6/8

0.009+/-0.000 χ^2/NDF : 2978390.1/26

0.009+/-0.000 χ^2/NDF : 2851979.9/28

yield_bpm0l04Y_mean vs Slug



Right In: -0.139+/-0.000 χ^2/NDF : 715049983856.2/16

0.018+/-0.000 χ^2/NDF : 826751174868.9/26

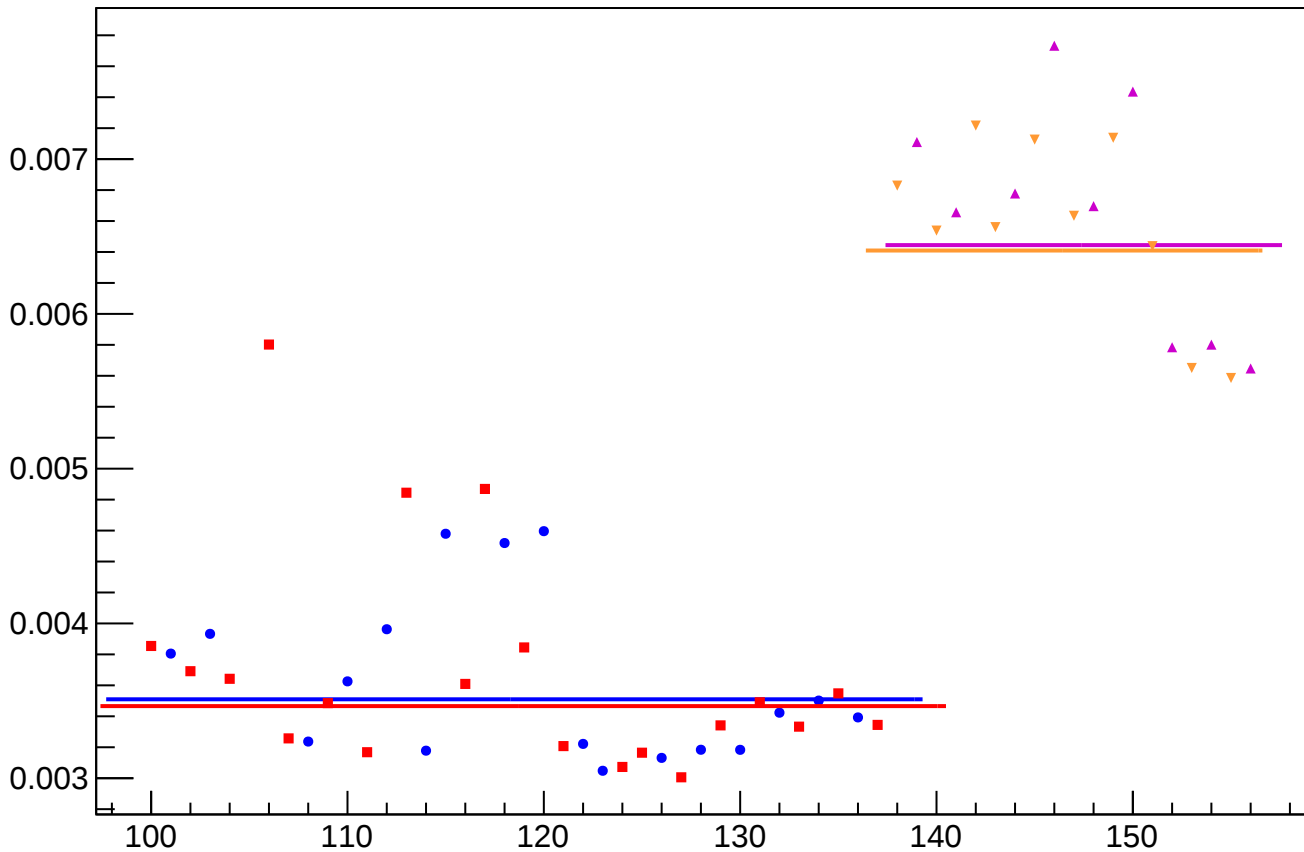
Left Out: 0.533+/-0.000 χ^2/NDF : 57903434824.7/9

Right Out: -0.123+/-0.000 χ^2/NDF : 762580598699.5/19

0.007+/-0.000 χ^2/NDF : 857483106539.0/28

Left In: 0.474+/-0.000 χ^2/NDF : 51440726082.8/8

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 171337.9/16

Left Out: 0.006+/-0.000 χ^2/NDF :104933.1/9

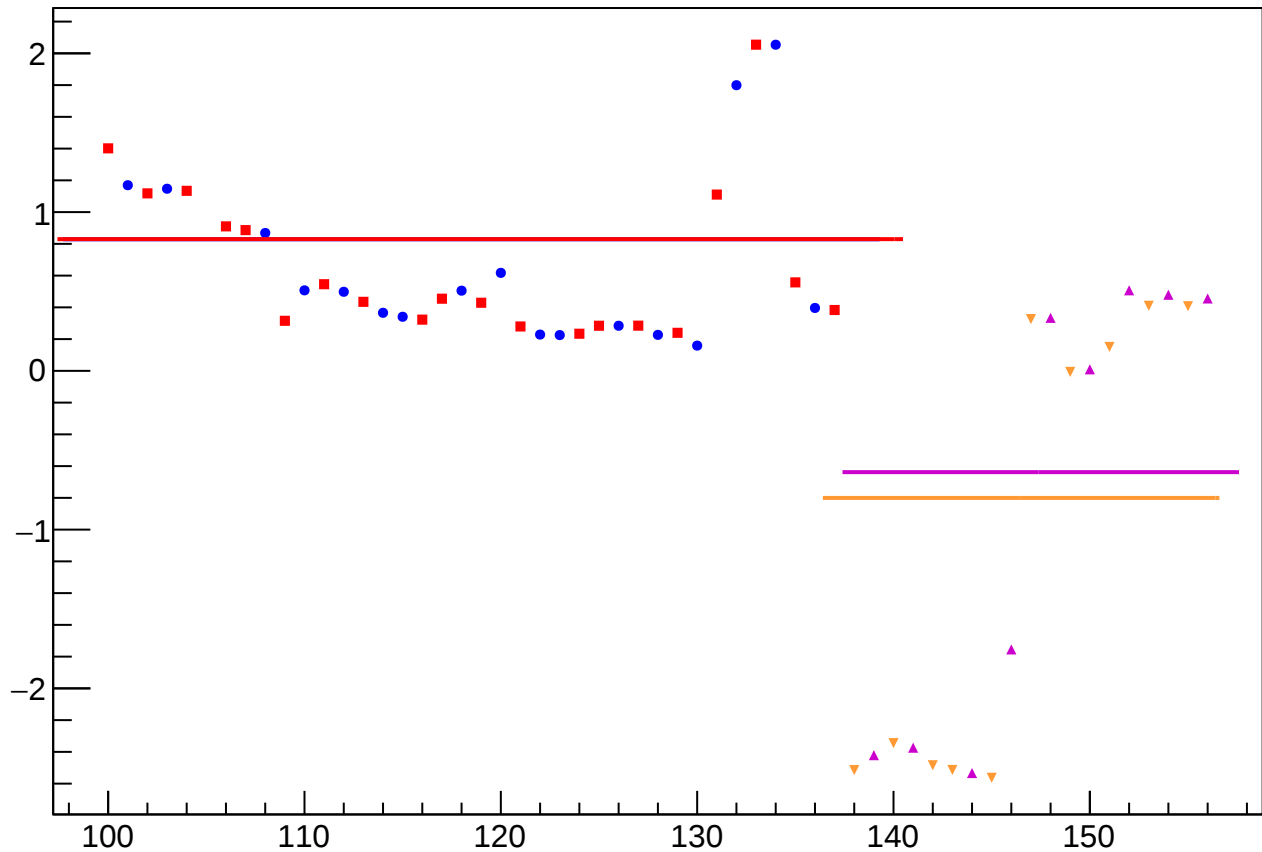
Right Out: 0.003+/-0.000 χ^2/NDF : 222524.1/19

Left In: 0.006+/-0.000 χ^2/NDF :148560.6/8

0.004+/-0.000 χ^2/NDF : 2282771.5/26

0.004+/-0.000 χ^2/NDF : 2534971.0/28

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000 χ^2/NDF : 31718573821.2/16

Left Out: -0.800+/-0.000 χ^2/NDF : 338328781302.0/9

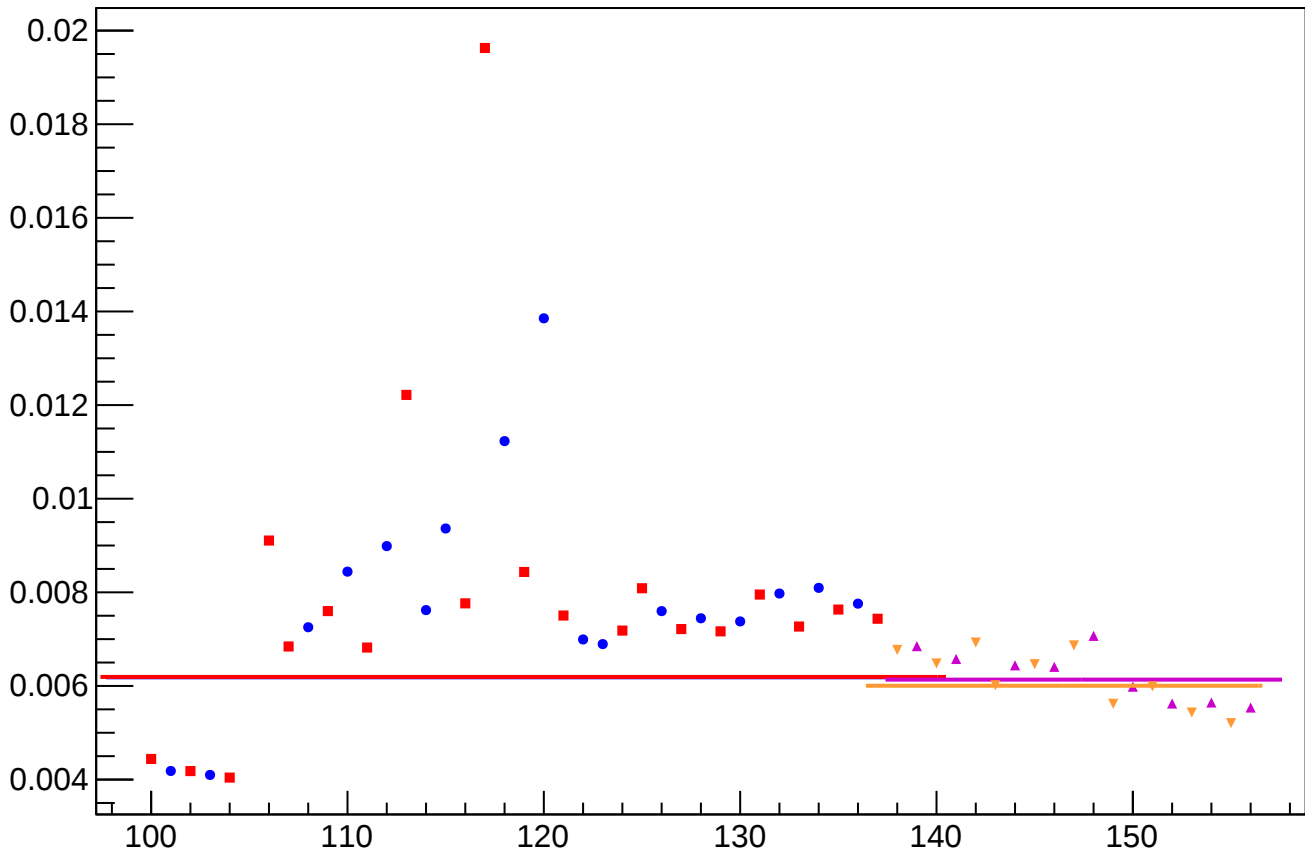
Right Out: 0.830+/-0.000 χ^2/NDF : 33349713412.0/19

Left In: -0.638+/-0.000 χ^2/NDF : 303999464519.7/8

-0.106+/-0.000 χ^2/NDF : 581661725670.5/26

0.034+/-0.000 χ^2/NDF : 514731579435.1/28

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 :128450.2/9

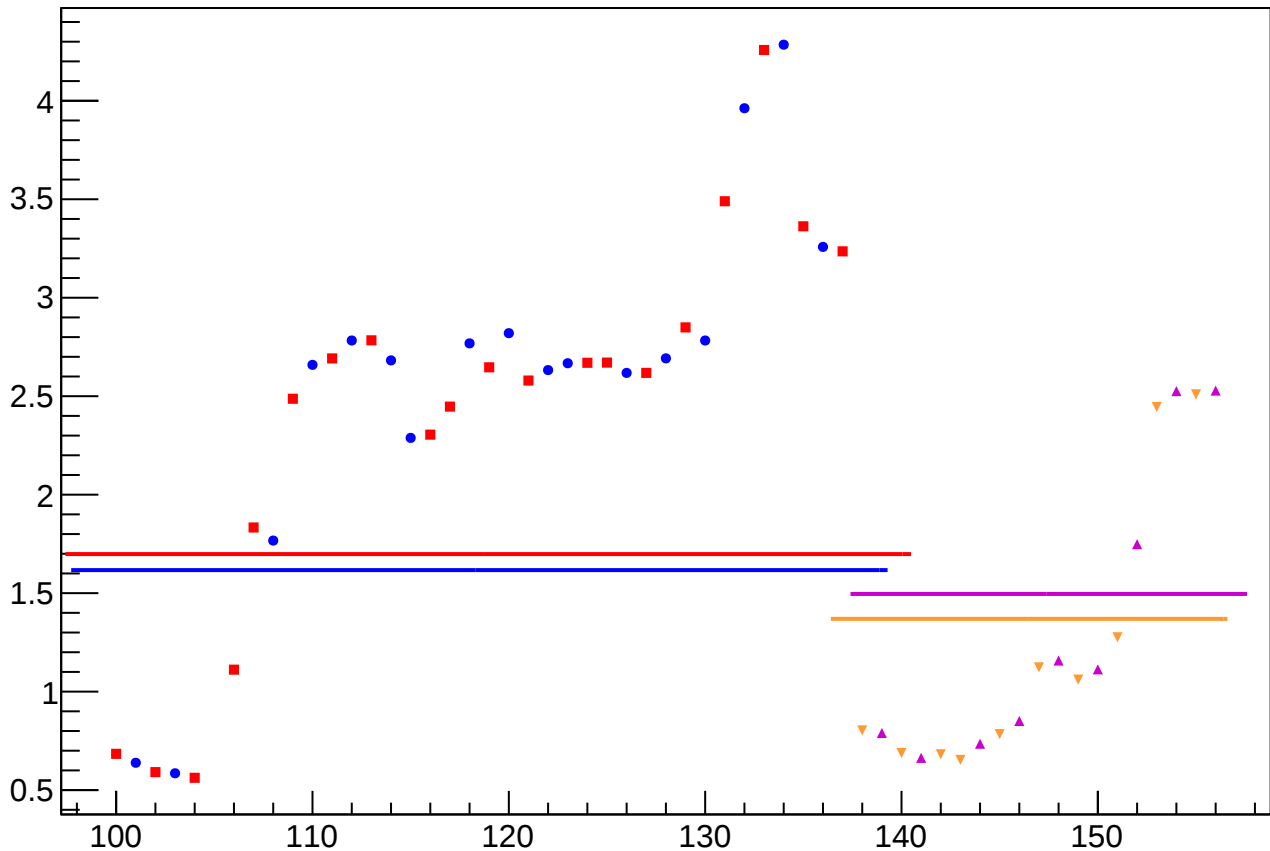
Right Out: 0.006+/-0.000 χ^2/NDF : 1062886.2/19

Left In: 0.006+/-0.000 χ^2/NDF :95977.9/8

0.006+/-0.000 χ^2/NDF : 1362590.9/26

0.006+/-0.000 χ^2/NDF : 1159407.8/28

yield_bpm0l05Y_mean vs Slug



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 1.370+/-0.000 χ^2/NDF :103384349291.2/9

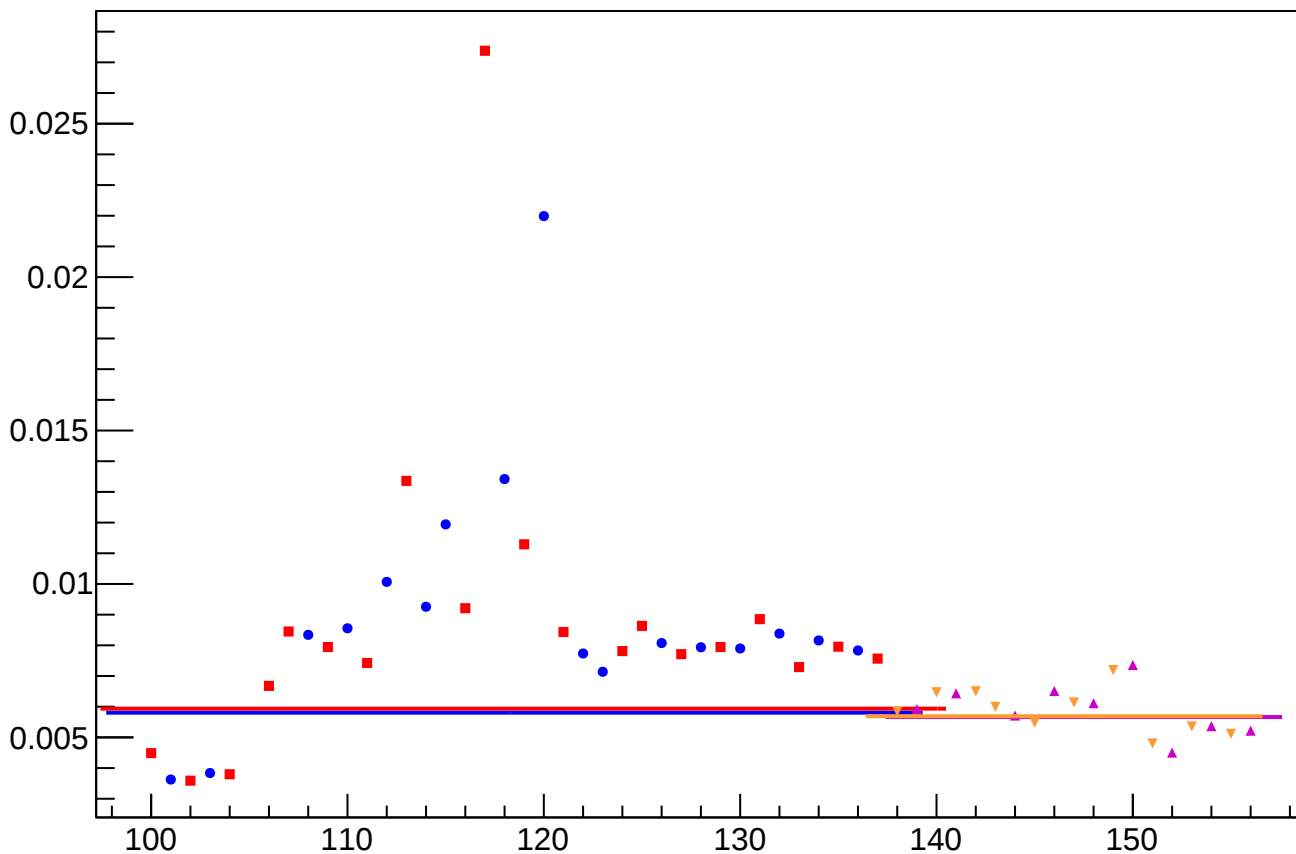
1.475+/-0.000 χ^2/NDF : 311286911309.4/26

Right Out: 1.698+/-0.000 χ^2/NDF : 227436227264.4/19

1.585+/-0.000 χ^2/NDF : 335330211925.7/28

Left In: 1.496+/-0.000 χ^2/NDF :104384236344.0/8

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 :169616.6/9

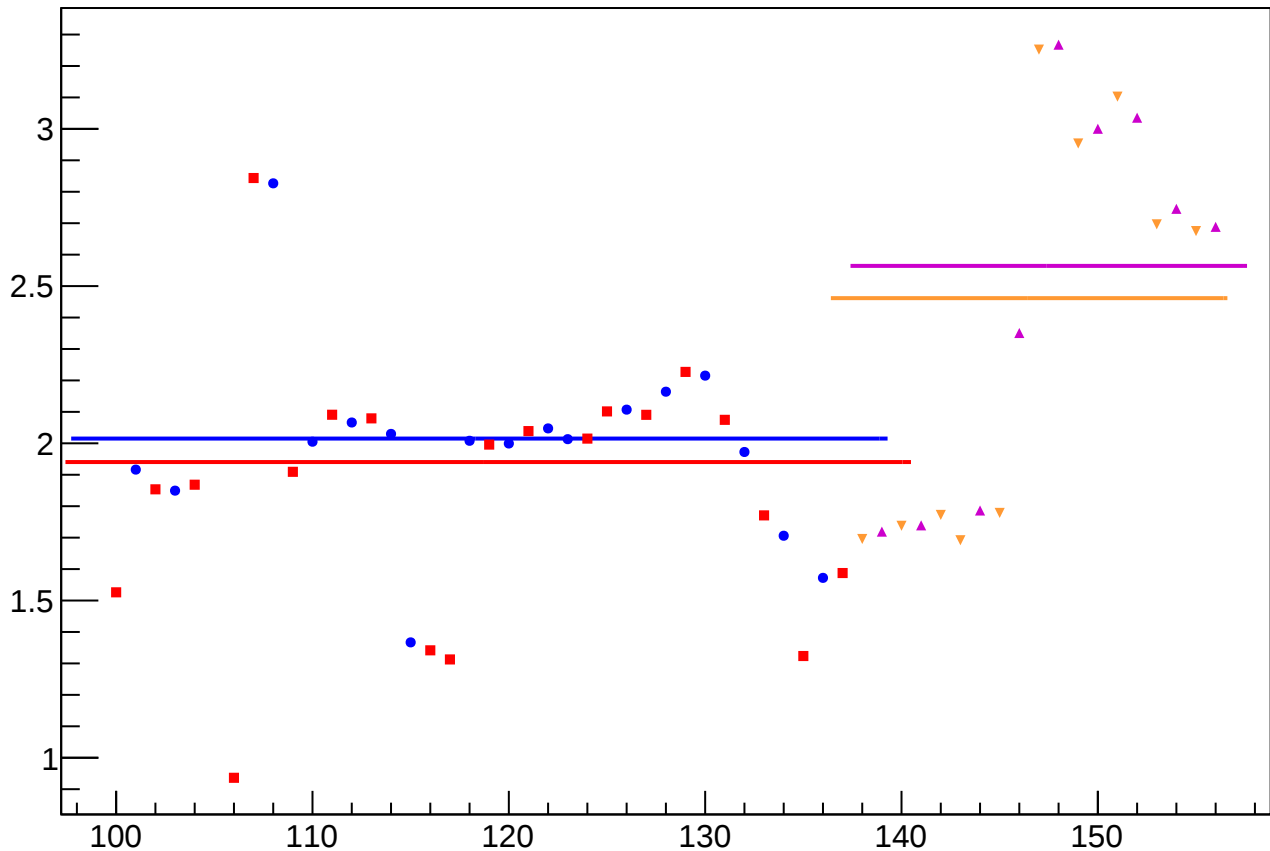
Right Out: 0.006+/-0.000 χ^2/NDF : 1731283.0/19

Left In: 0.006+/-0.000 χ^2/NDF :244142.7/8

0.006+/-0.000 χ^2/NDF : 2089817.6/26

0.006+/-0.000 χ^2/NDF : 1988247.0/28

yield_bpm0l06X_mean vs Slug



Right In: 2.015+/-0.000 χ^2/NDF : 12228403202.6/16

Left Out: 2.462+/-0.000 χ^2/NDF : 44288882341.7/9

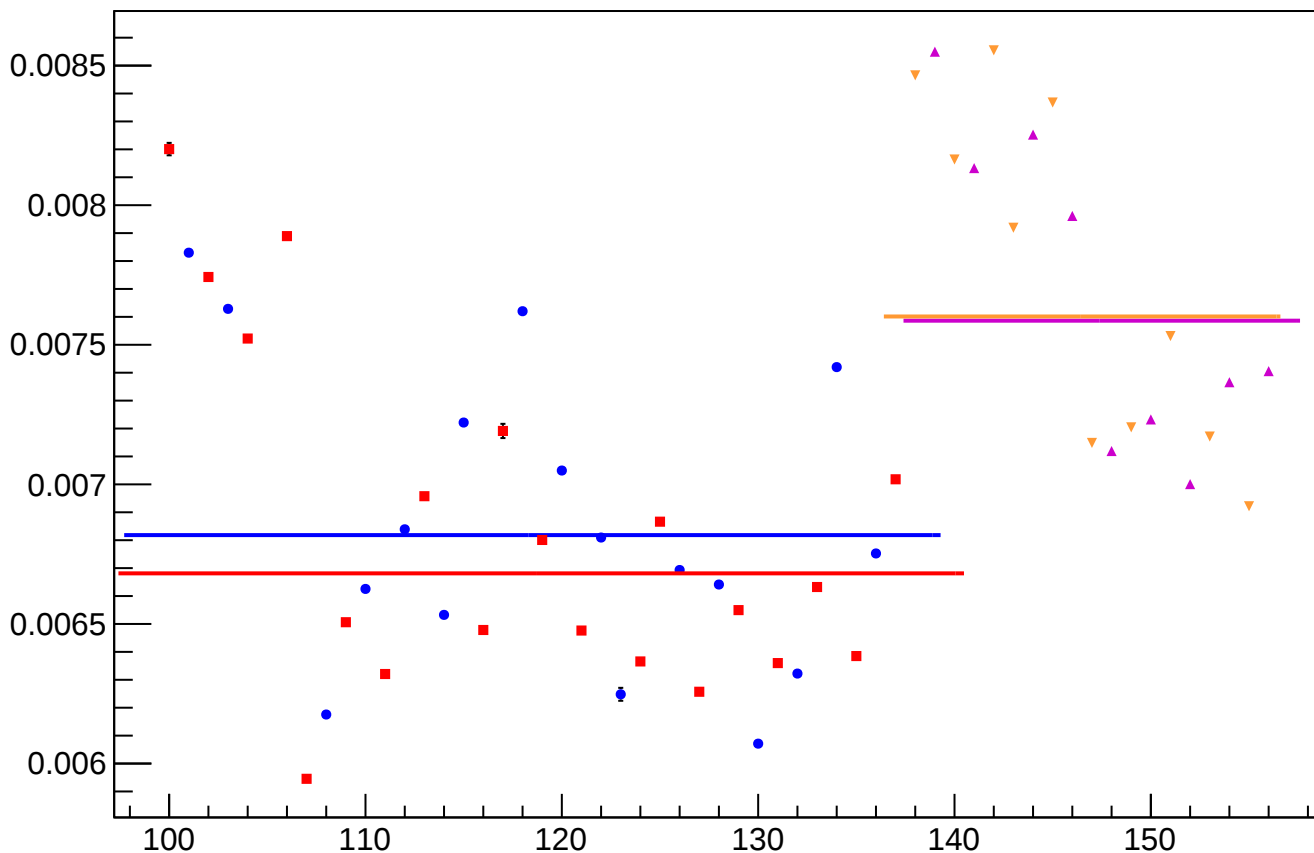
2.224+/-0.000 χ^2/NDF : 69265505473.1/26

Right Out: 1.940+/-0.000 χ^2/NDF : 21732099424.5/19

2.216+/-0.000 χ^2/NDF : 85497503343.4/28

Left In: 2.564+/-0.000 χ^2/NDF : 37472618532.7/8

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 : 76512.6/9

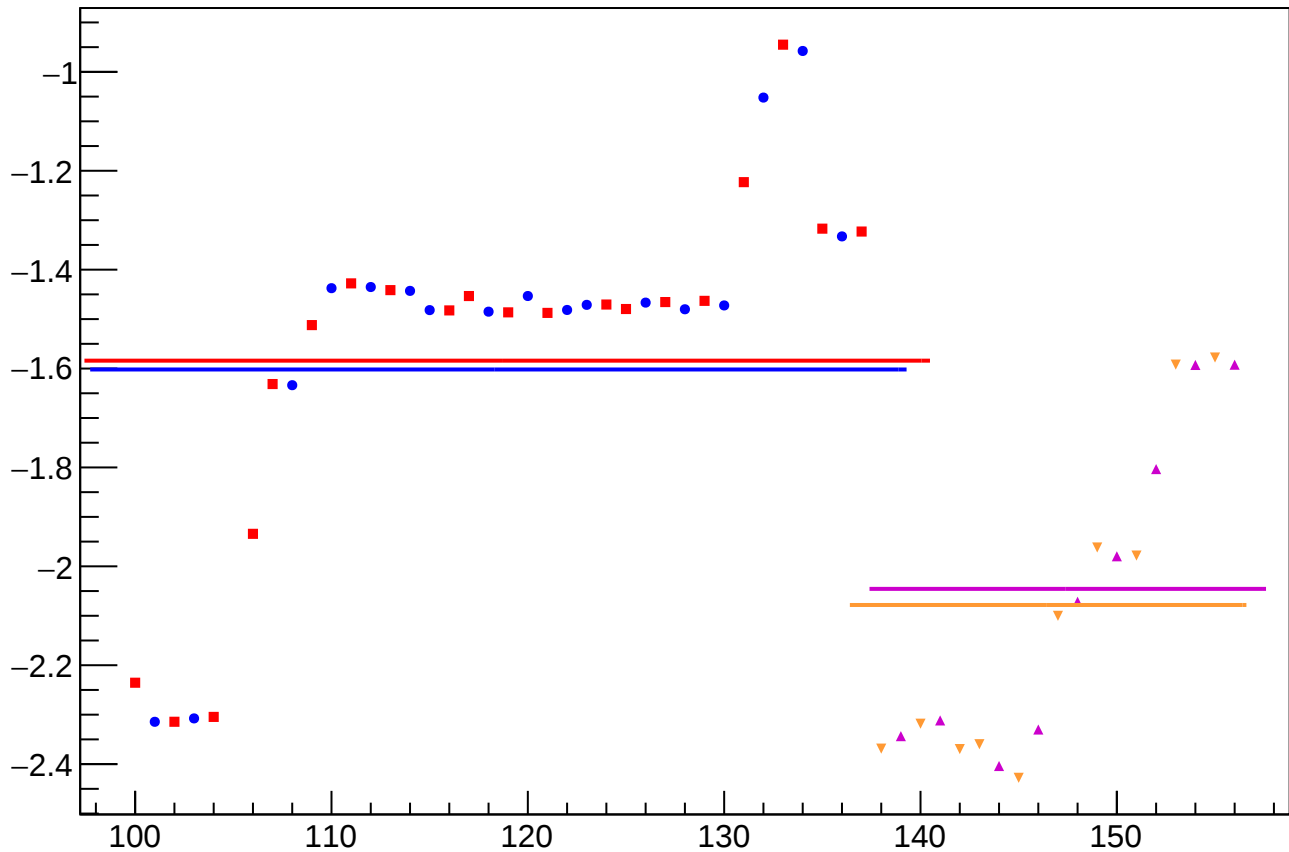
Right Out: 0.007+/-0.000 χ^2/NDF : 76121.2/19

Left In: 0.008+/-0.000 χ^2/NDF : 61943.9/8

0.007+/-0.000 χ^2/NDF : 230721.9/26

0.007+/-0.000 χ^2/NDF : 248745.7/28

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -2.078+/-0.000 χ^2/NDF : 80501353775.8/9

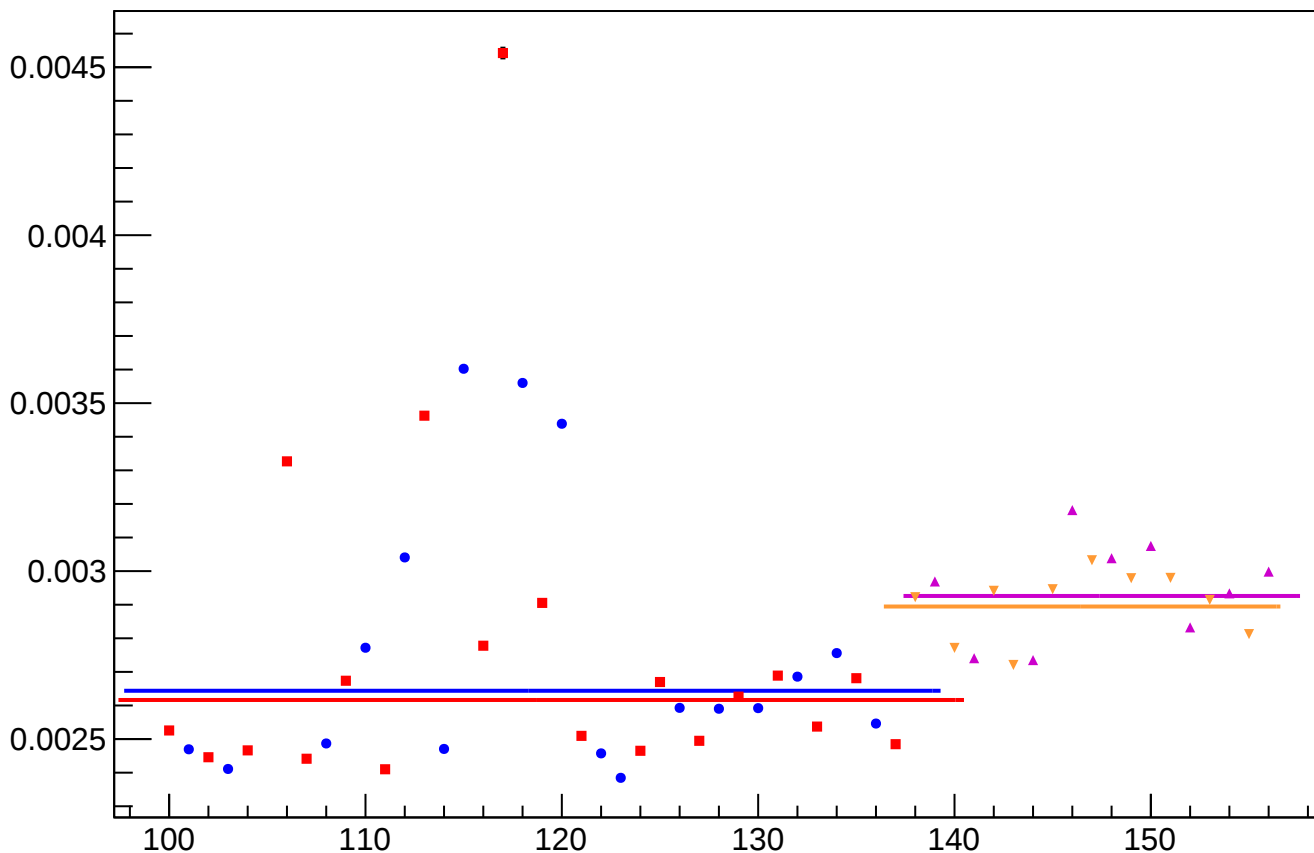
-1.828+/-0.000 χ^2/NDF : 317427798107.8/26

Right Out: -1.584+/-0.000 χ^2/NDF : 143612120137.8/19

-1.791+/-0.000 χ^2/NDF : 313904950312.9/28

Left In: -2.046+/-0.000 χ^2/NDF : 76431155800.7/8

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 :15377.0/9

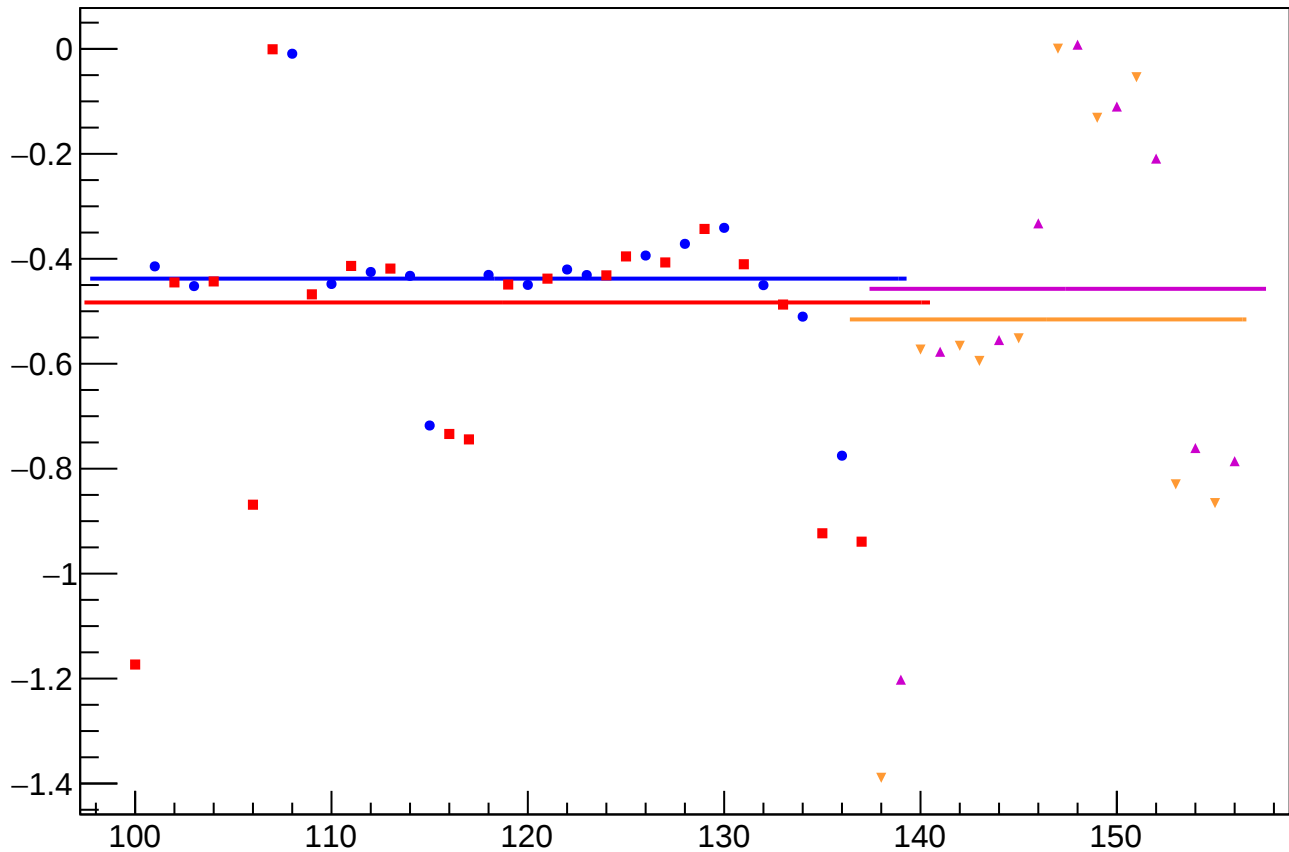
Right Out: 0.003+/-0.000 χ^2/NDF : 119852.1/19

Left In: 0.003+/-0.000 χ^2/NDF :33017.4/8

0.003+/-0.000 χ^2/NDF : 220393.8/26

0.003+/-0.000 χ^2/NDF : 237354.5/28

yield_bpm0l07X_mean vs Slug



Right In: -0.438+/-0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.516+/-0.000 χ^2/NDF : 6991780548.0/9

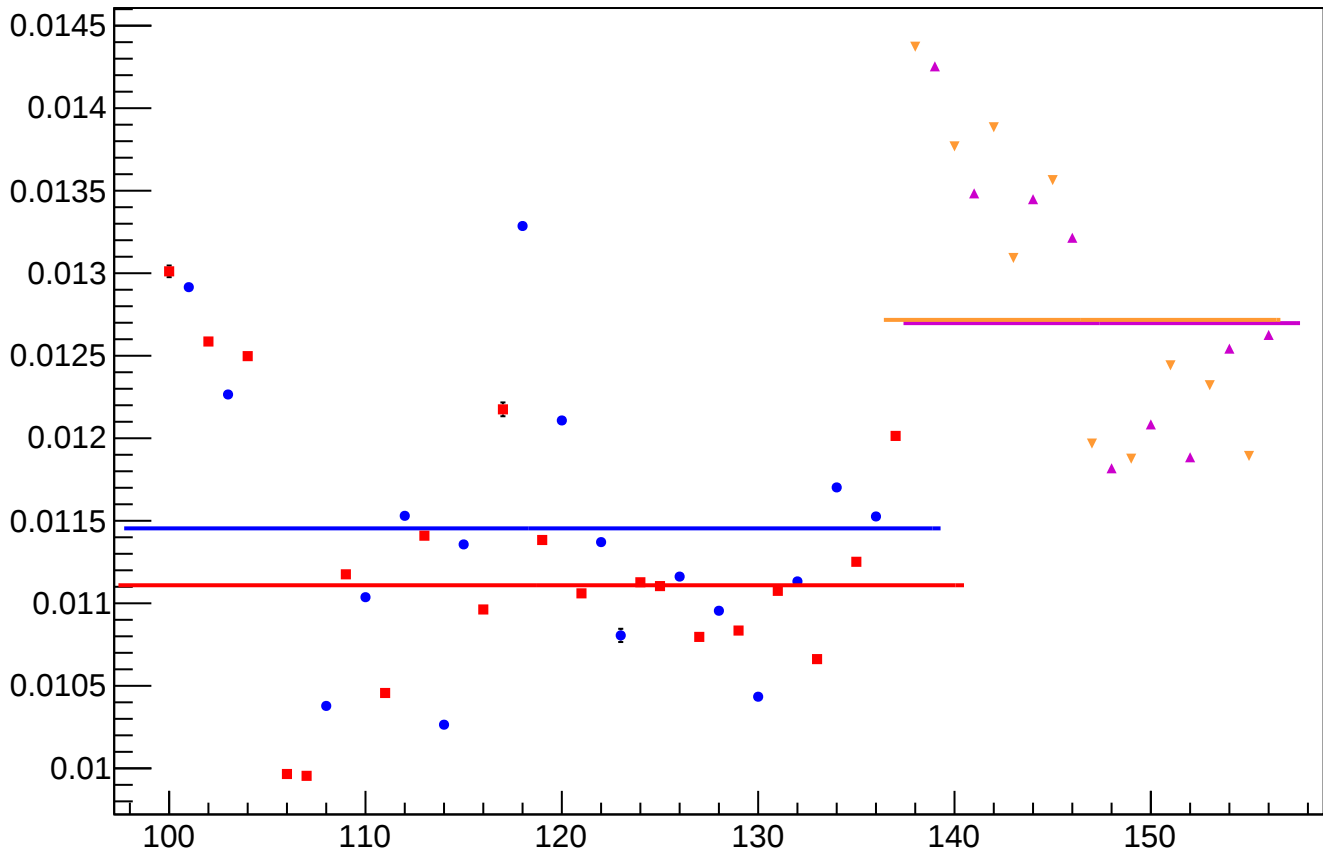
Right Out: -0.483+/-0.000 χ^2/NDF : 2714164016.2/19

Left In: -0.457+/-0.000 χ^2/NDF : 5155653277.7/8

-0.474+/-0.000 χ^2/NDF : 8593270011.8/26

-0.472+/-0.000 χ^2/NDF : 7886303826.6/28

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 : 62102.5/9

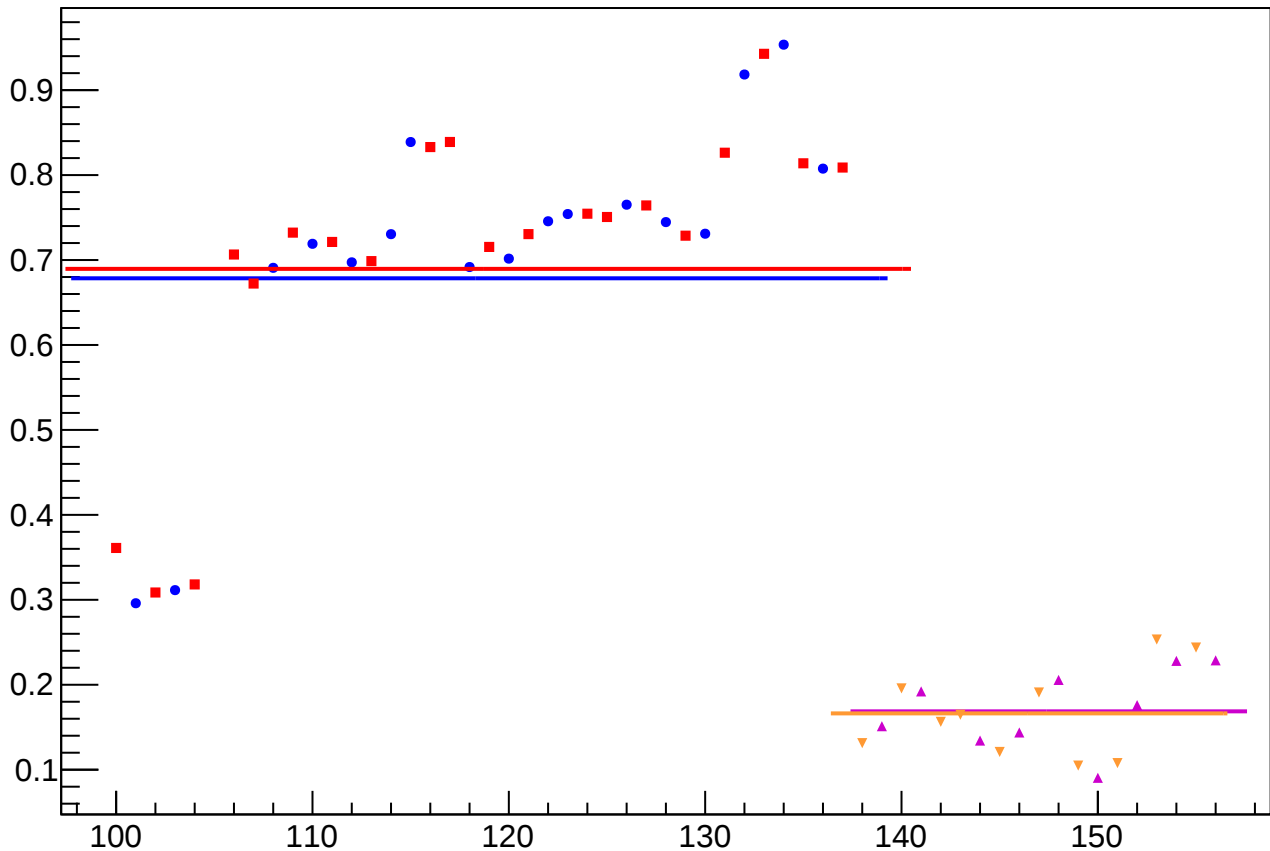
Right Out: 0.011+/-0.000 χ^2/NDF : 56696.9/19

Left In: 0.013+/-0.000 χ^2/NDF : 48820.9/8

0.012+/-0.000 χ^2/NDF : 200168.5/26

0.012+/-0.000 χ^2/NDF : 228689.4/28

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38506442638.3/16

Left Out: 0.166 $\pm$ 0.000 χ^2 /NDF: 3819883939.0/9

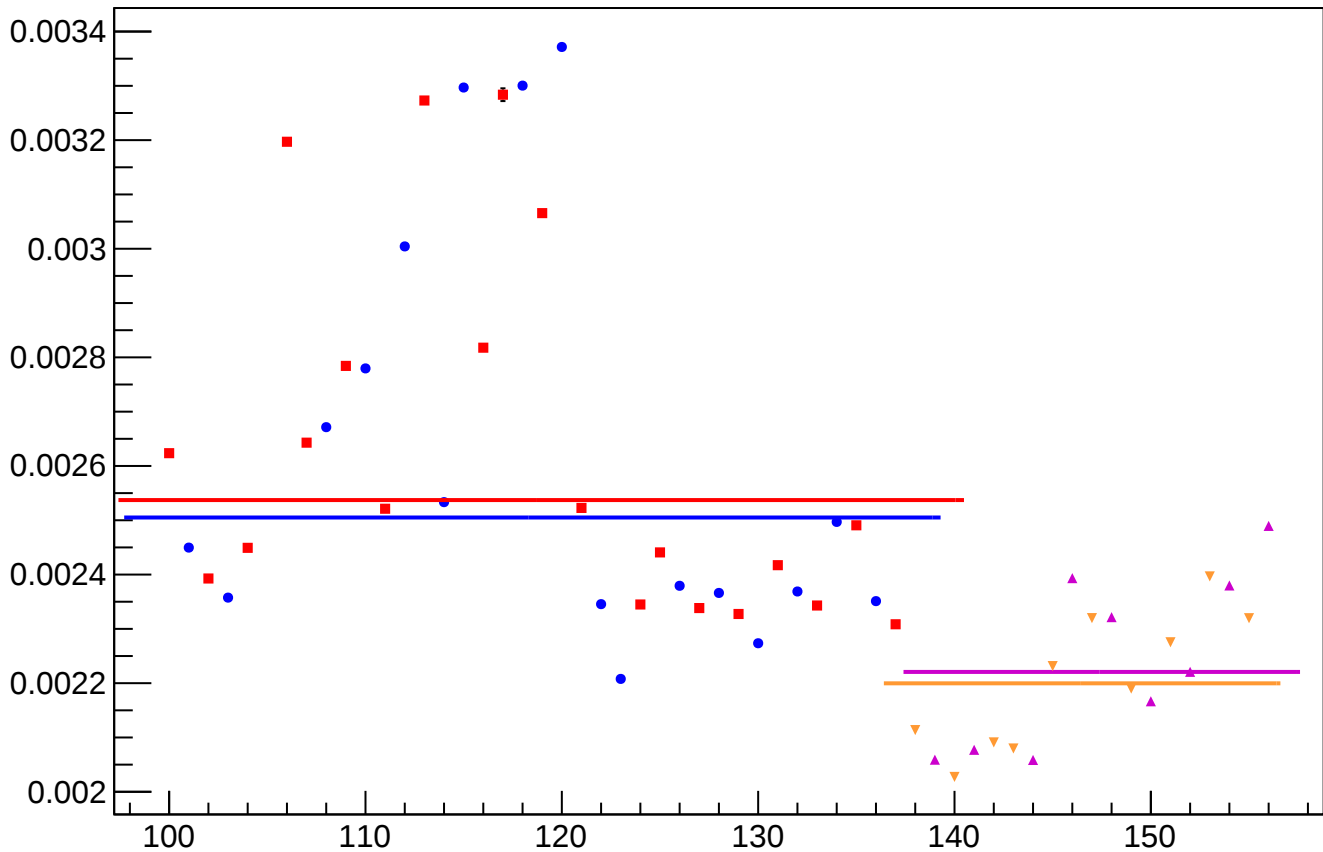
0.373 $\pm$ 0.000 χ^2 /NDF: 201011414759.0/26

Right Out: 0.690 $\pm$ 0.000 χ^2 /NDF: 35439496983.3/19

0.386 $\pm$ 0.000 χ^2 /NDF: 203627762954.3/28

Left In: 0.169 $\pm$ 0.000 χ^2 /NDF: 2782935216.3/8

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 : 41530.5/9

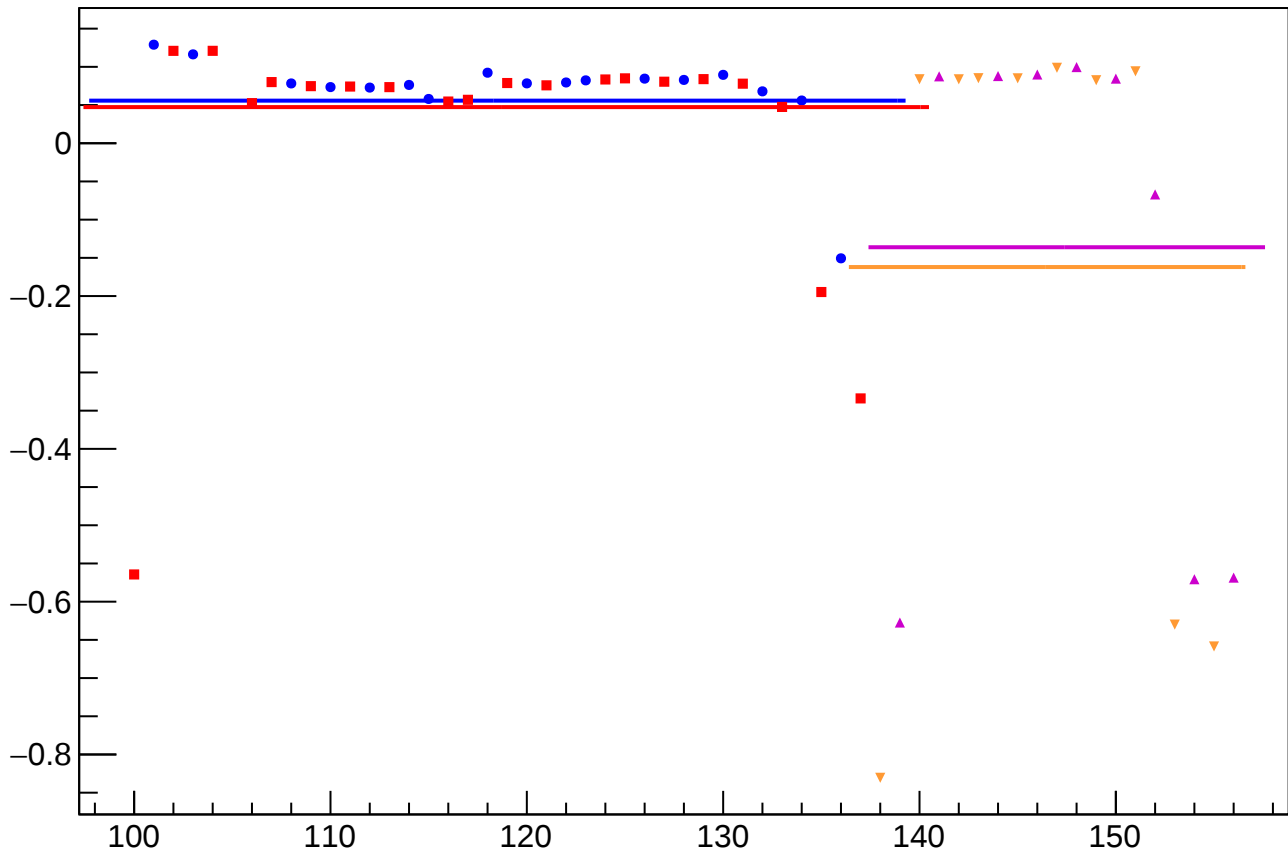
Right Out: 0.003+/-0.000 χ^2/NDF : 135649.7/19

Left In: 0.002+/-0.000 χ^2/NDF : 64787.1/8

0.002+/-0.000 χ^2/NDF : 329867.9/26

0.002+/-0.000 χ^2/NDF : 322541.9/28

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.162+/-0.000 χ^2/NDF : 7050010946.5/9

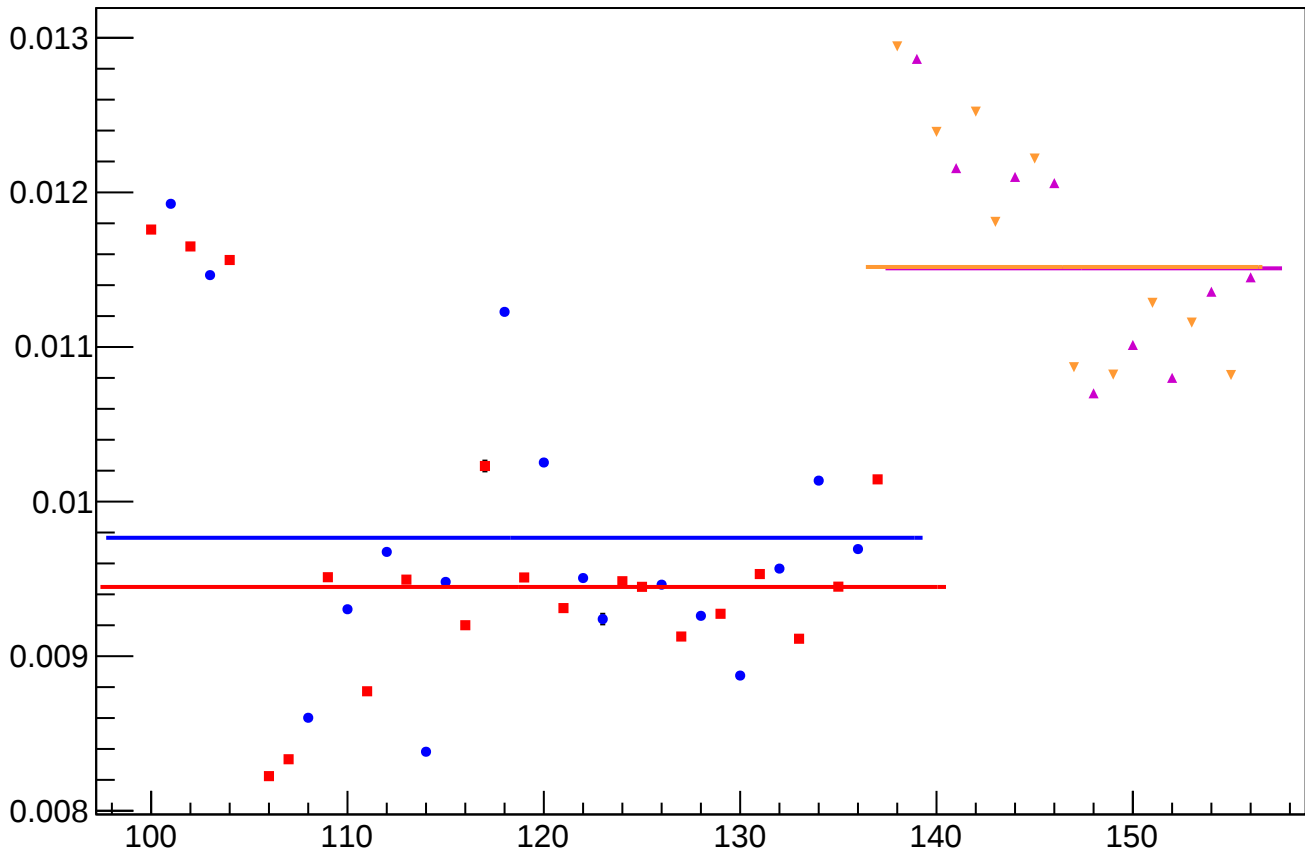
Right Out: 0.047+/-0.000 χ^2/NDF : 819626031.7/19

Left In: -0.136+/-0.000 χ^2/NDF : 4756262338.8/8

-0.040+/-0.000 χ^2/NDF : 8874856354.2/26

-0.026+/-0.000 χ^2/NDF : 6627908572.0/28

yield_bpm0l08X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 116638.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:54826.8/9

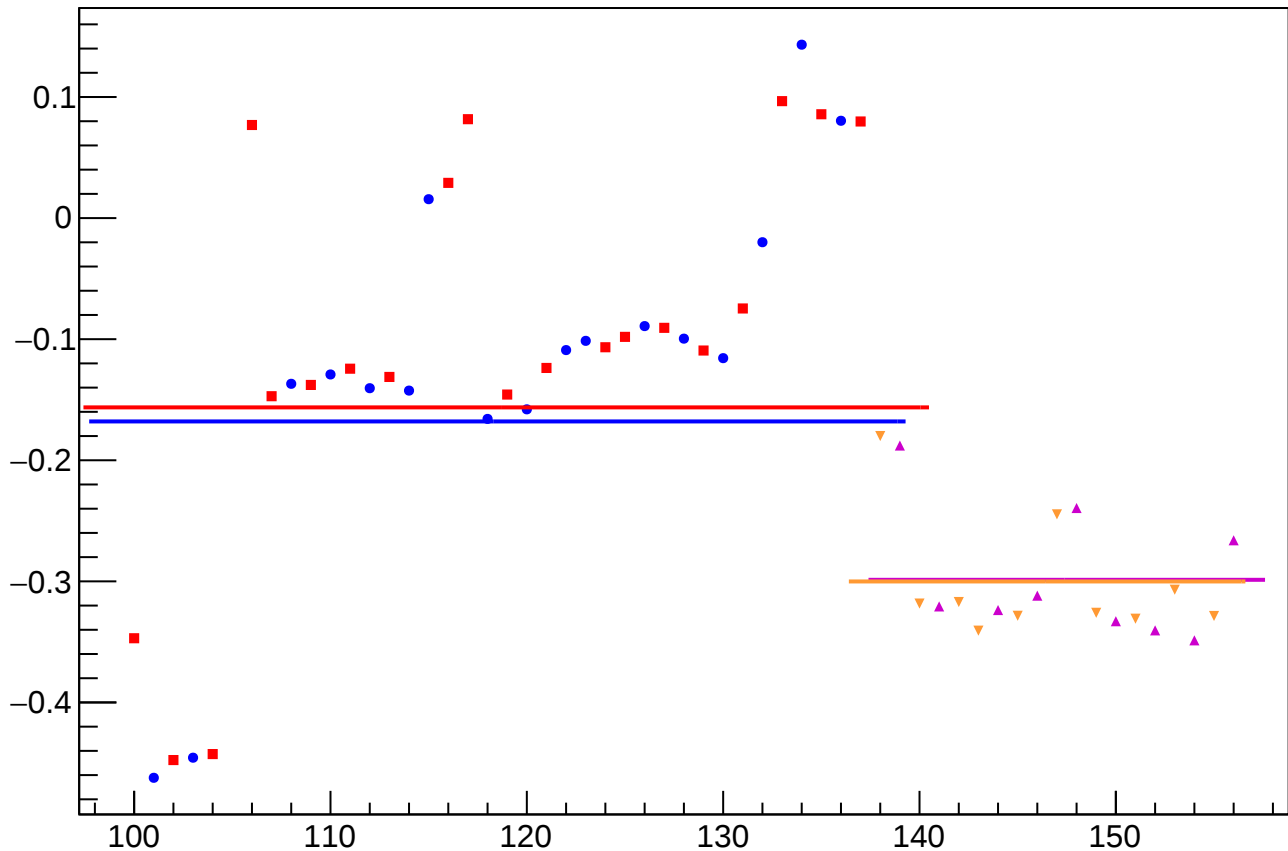
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 111197.0/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:45306.6/8

0.011 $\pm$ 0.000 χ^2 /NDF: 352833.1/26

0.010 $\pm$ 0.000 χ^2 /NDF: 422162.9/28

yield_bpm0l08Y_mean vs Slug



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.300+/-0.000 χ^2/NDF : 2033122249.5/9

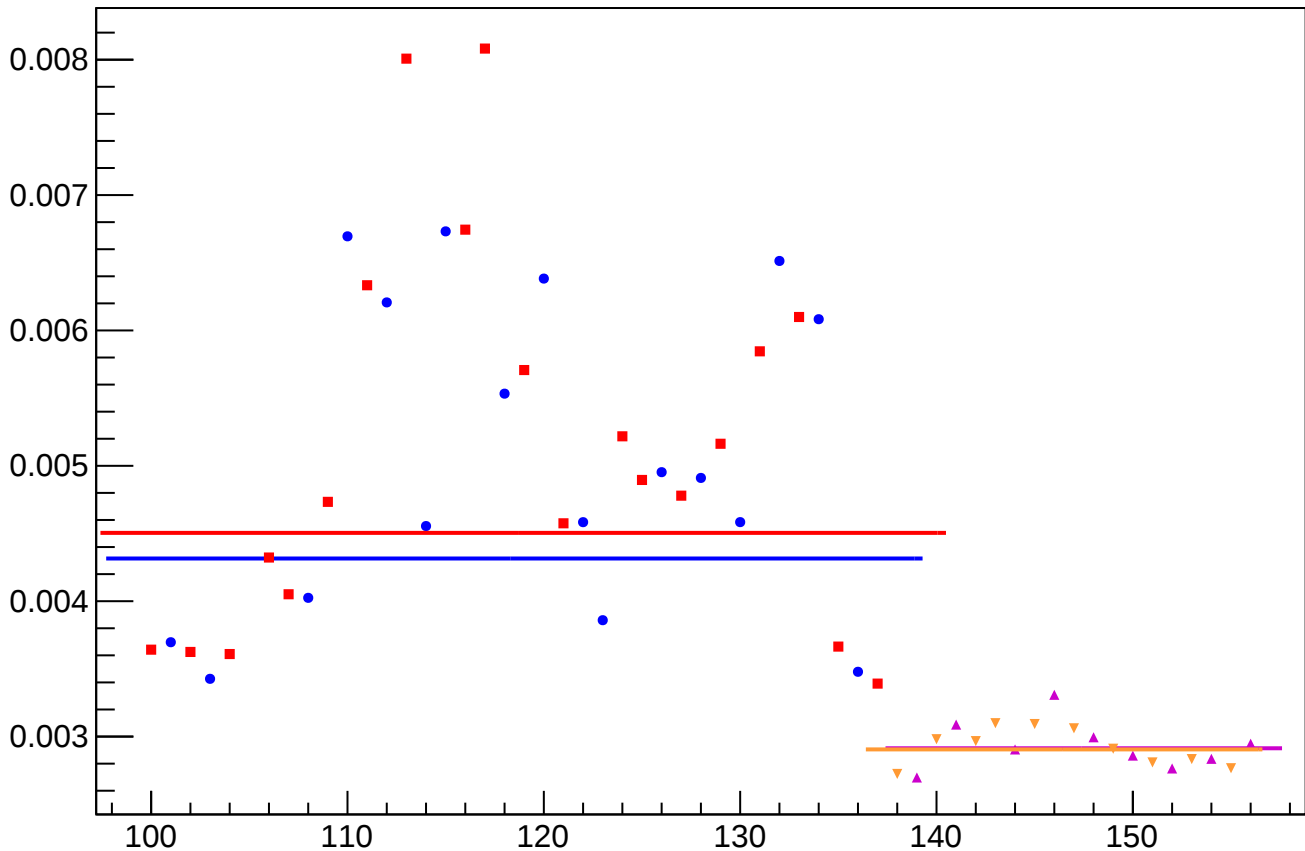
-0.264+/-0.000 χ^2/NDF : 18308862165.9/26

Right Out: -0.156+/-0.000 χ^2/NDF : 11061140252.3/19

-0.260+/-0.000 χ^2/NDF : 17762643988.8/28

Left In: -0.299+/-0.000 χ^2/NDF : 2174160851.3/8

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 :27819.8/9

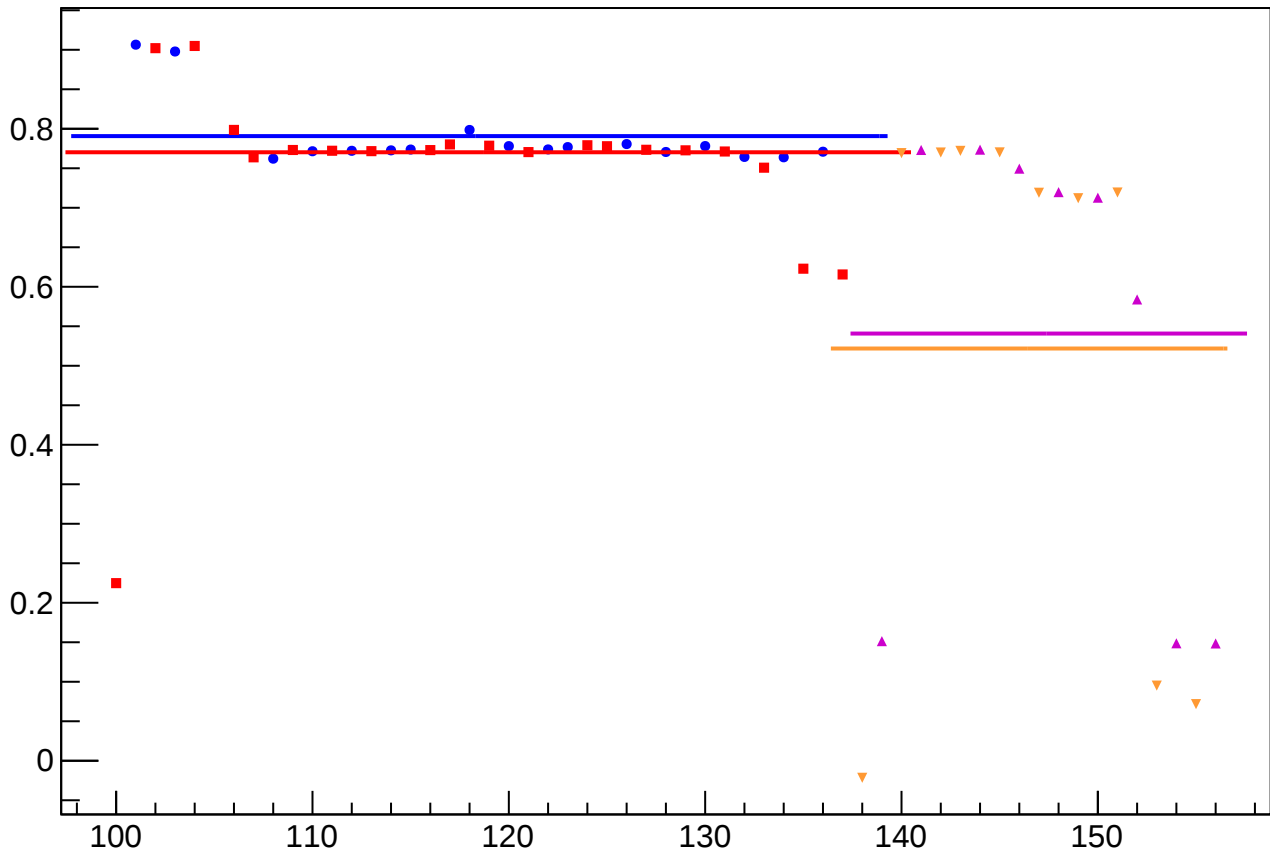
Right Out: 0.005+/-0.000 χ^2/NDF : 665152.6/19

Left In: 0.003+/-0.000 χ^2/NDF :41378.4/8

0.003+/-0.000 χ^2/NDF : 1545812.3/26

0.003+/-0.000 χ^2/NDF : 1837025.8/28

yield_bpm0l09X_mean vs Slug



Right In: 0.791 ± 0.000 χ^2/NDF : 106705767.1/16

Left Out: 0.522 ± 0.000 χ^2/NDF : 5749573516.8/9

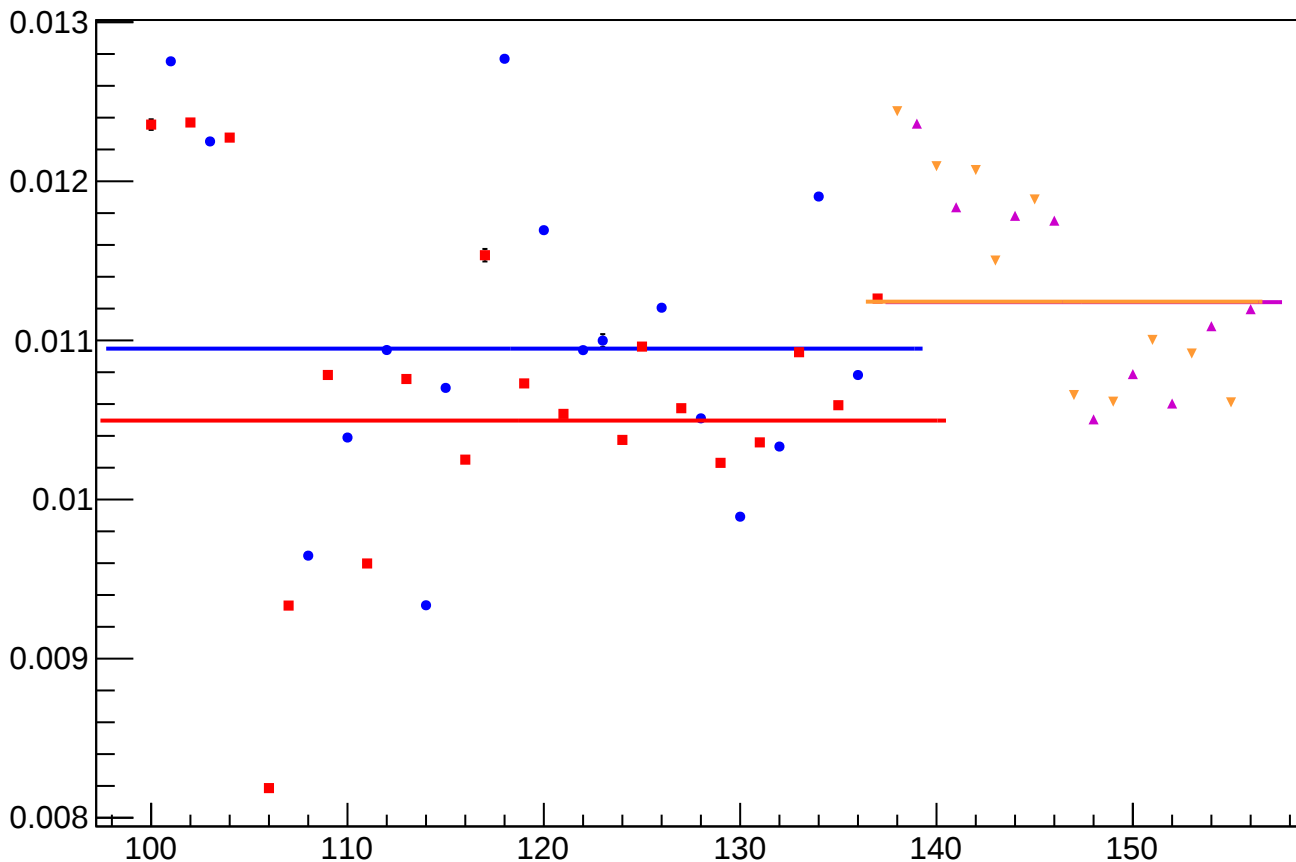
Right Out: 0.770 ± 0.000 χ^2/NDF : 375473971.0/19

Left In: 0.541 ± 0.000 χ^2/NDF : 3907369302.1/8

0.654 ± 0.000 χ^2/NDF : 7832698759.9/26

0.663 ± 0.000 χ^2/NDF : 5833019830.6/28

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 98551.4/16

Left Out: 0.011+/-0.000 χ^2/NDF : 46302.6/9

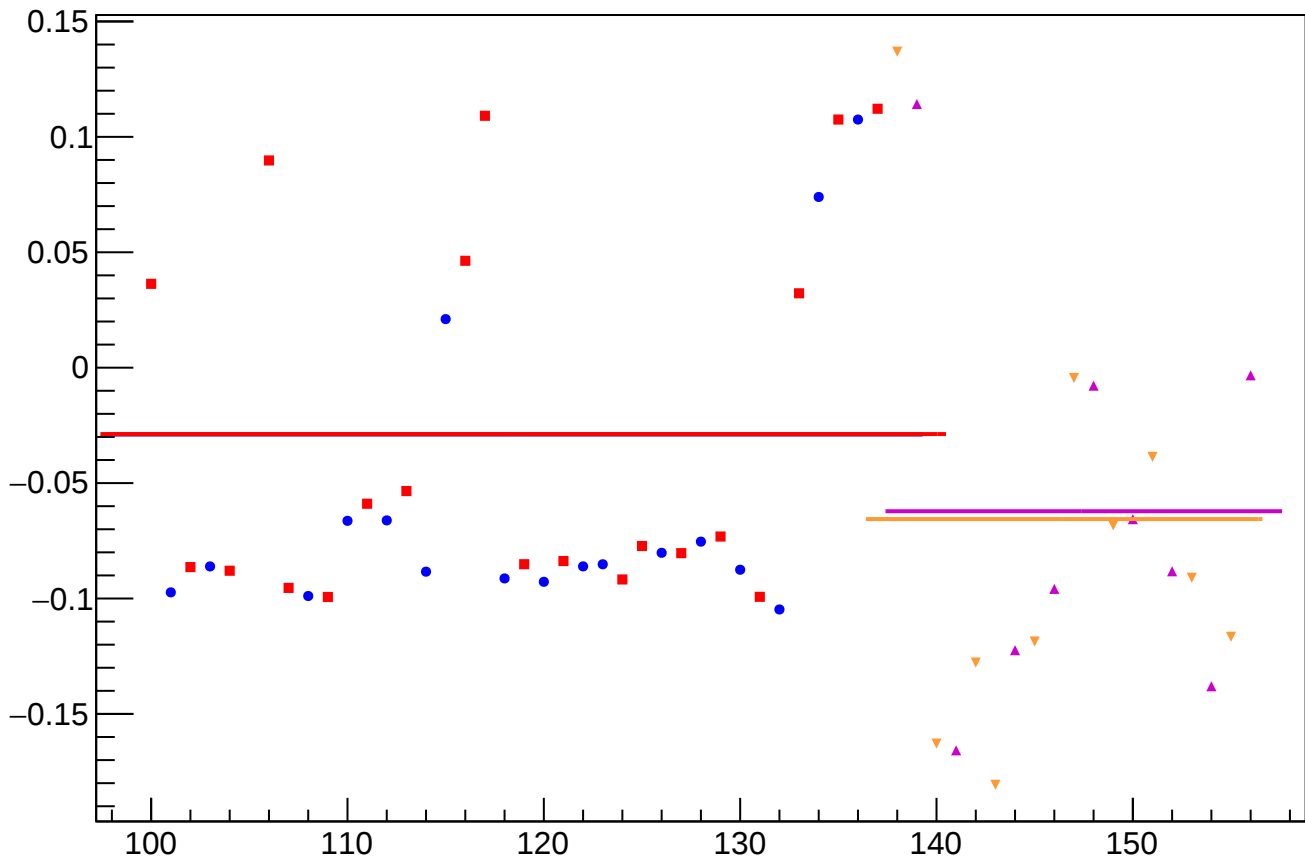
Right Out: 0.010+/-0.000 χ^2/NDF : 120120.6/19

Left In: 0.011+/-0.000 χ^2/NDF : 37879.6/8

0.011+/-0.000 χ^2/NDF : 149616.8/26

0.011+/-0.000 χ^2/NDF : 190603.7/28

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.066+/-0.000 χ^2/NDF : 5177717725.0/9

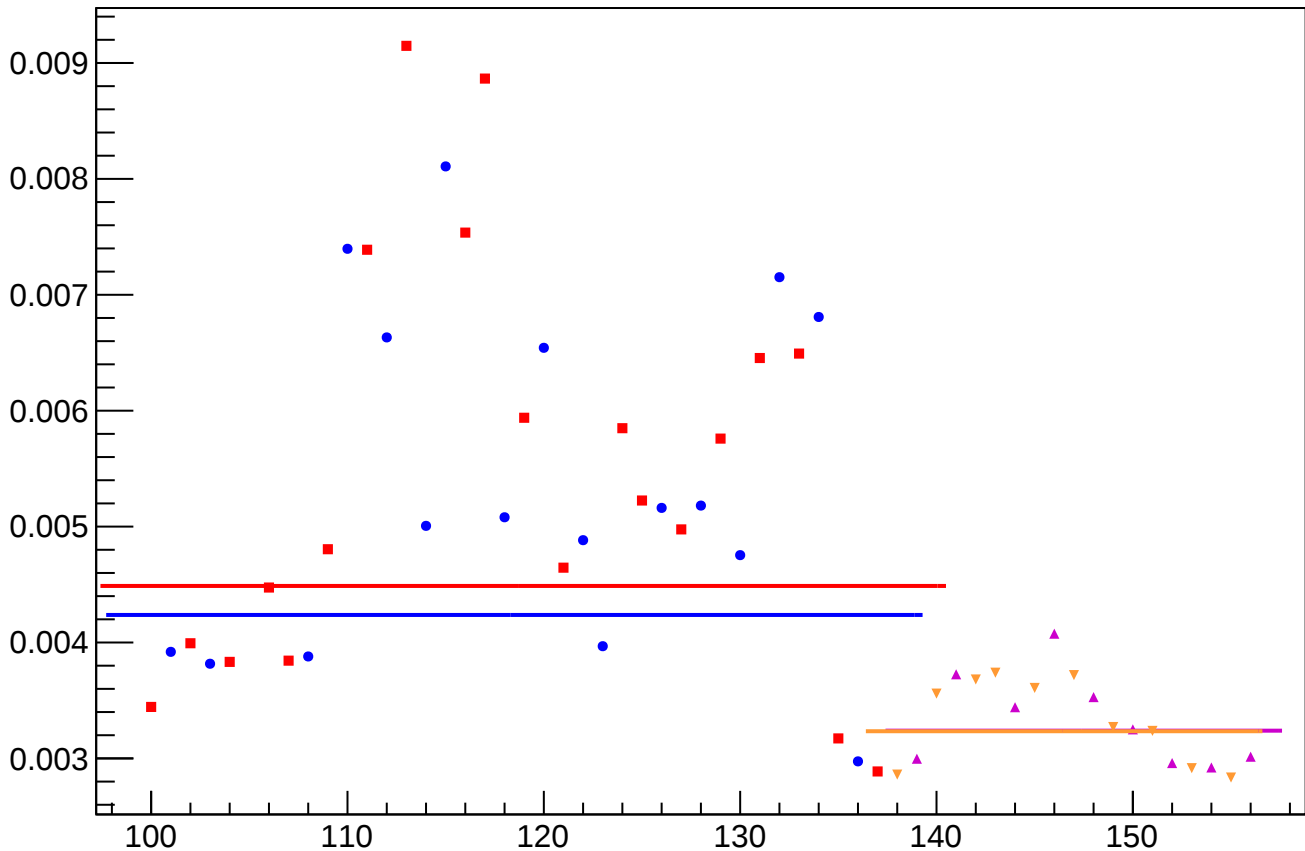
-0.054+/-0.000 χ^2/NDF : 7900401889.7/26

Right Out: -0.029+/-0.000 χ^2/NDF : 2122918772.1/19

-0.052+/-0.000 χ^2/NDF : 6500159974.9/28

Left In: -0.062+/-0.000 χ^2/NDF : 4153963824.4/8

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 :154713.8/9

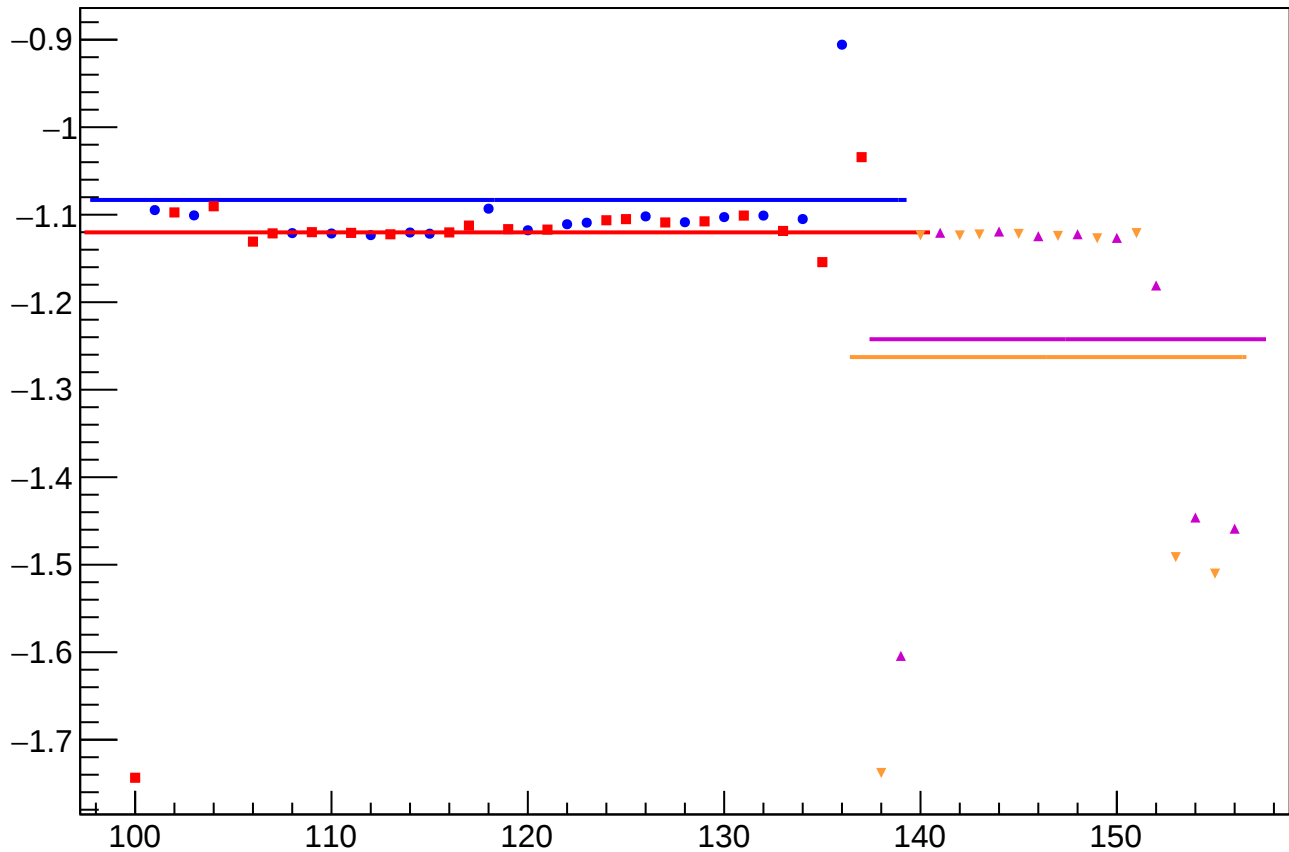
Right Out: 0.004+/-0.000 χ^2/NDF : 1003473.4/19

Left In: 0.003+/-0.000 χ^2/NDF :147150.8/8

0.004+/-0.000 χ^2/NDF : 1451205.5/26

0.004+/-0.000 χ^2/NDF : 1773425.6/28

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2/NDF : 202920901.6/16

Left Out: -1.263+/-0.000 χ^2/NDF : 3099505016.0/9

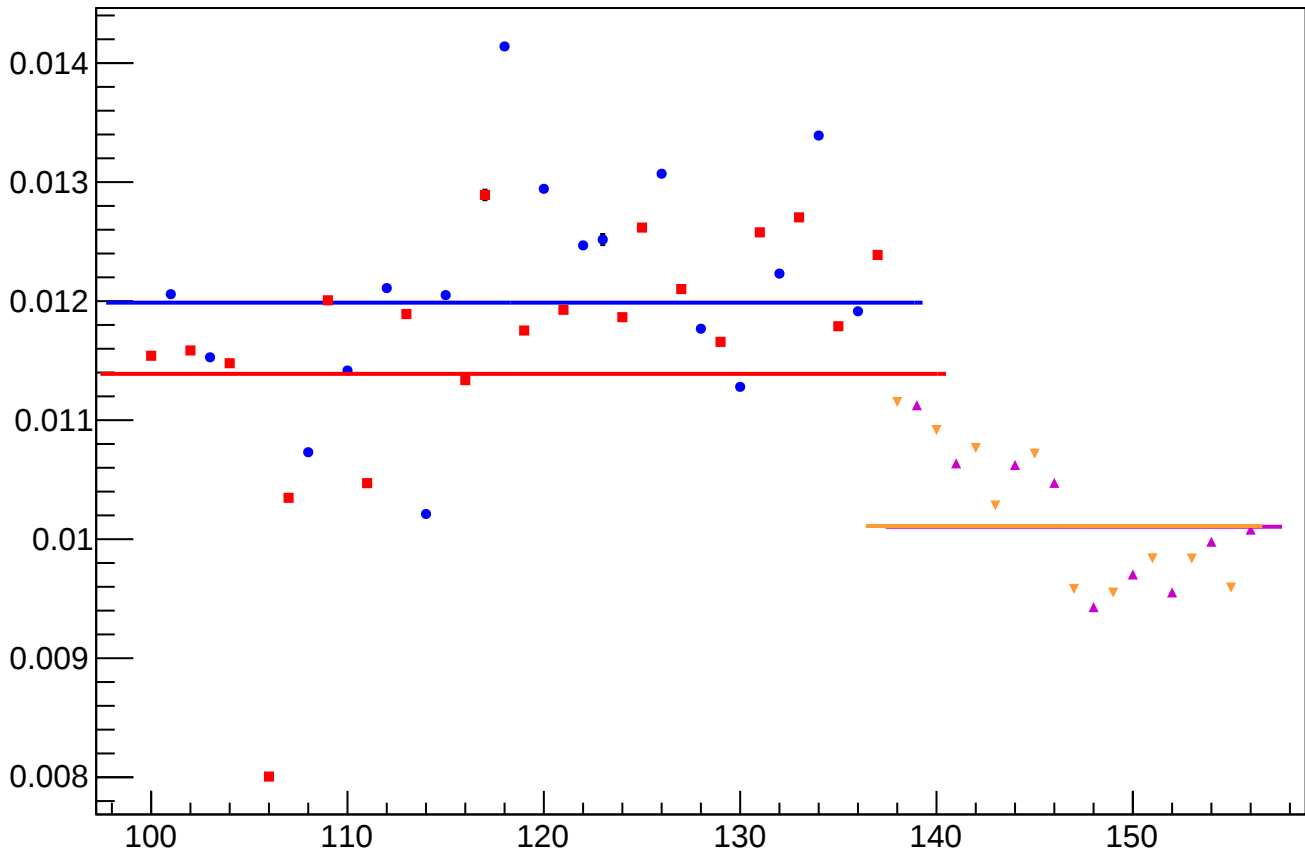
Right Out: -1.120+/-0.000 χ^2/NDF : 220586820.0/19

Left In: -1.242+/-0.000 χ^2/NDF : 1977759576.8/8

-1.192+/-0.000 χ^2/NDF : 4179207826.5/26

-1.189+/-0.000 χ^2/NDF : 2645218500.9/28

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 : 45117.1/9

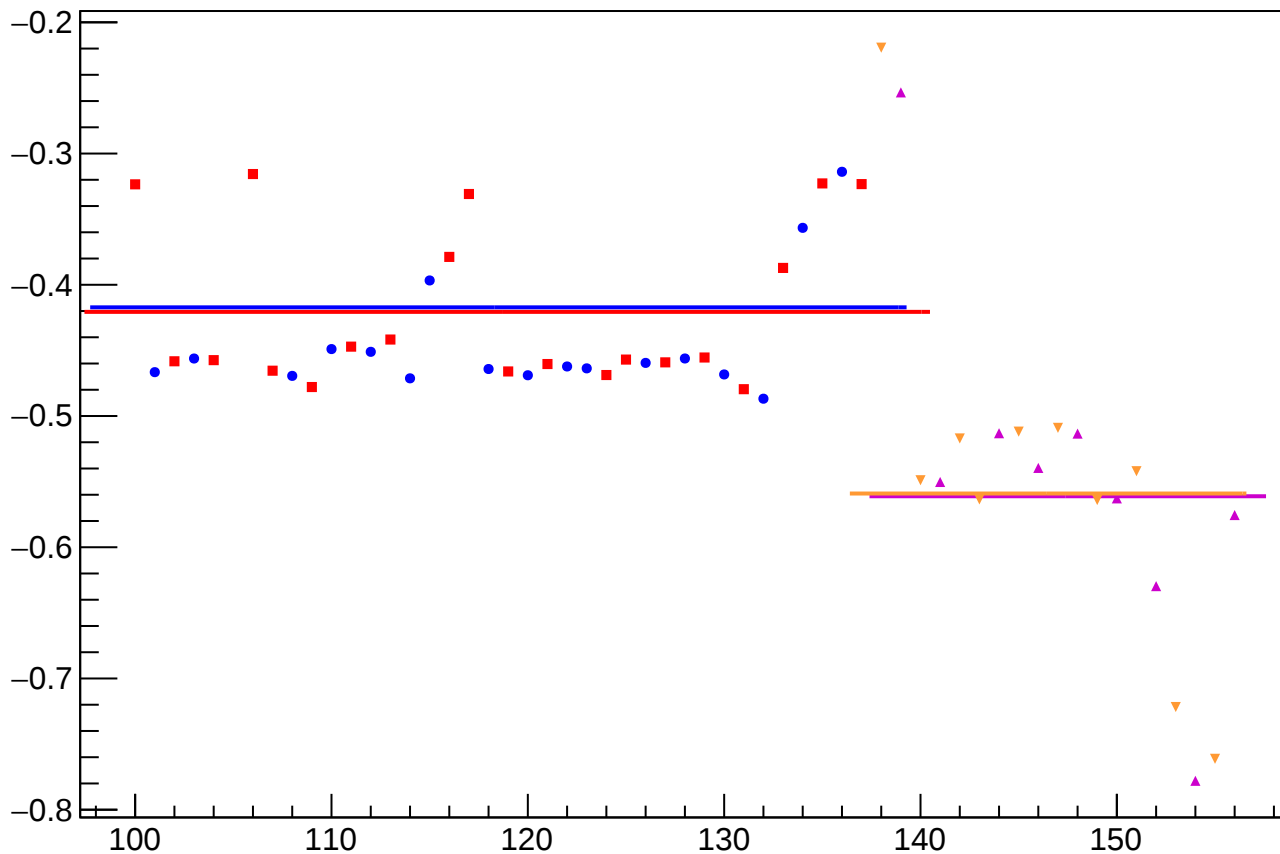
Right Out: 0.011+/-0.000 χ^2/NDF : 155700.3/19

Left In: 0.010+/-0.000 χ^2/NDF : 37502.2/8

0.011+/-0.000 χ^2/NDF : 297004.1/26

0.011+/-0.000 χ^2/NDF : 292063.4/28

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.559+/-0.000 χ^2/NDF : 12330479829.9/9

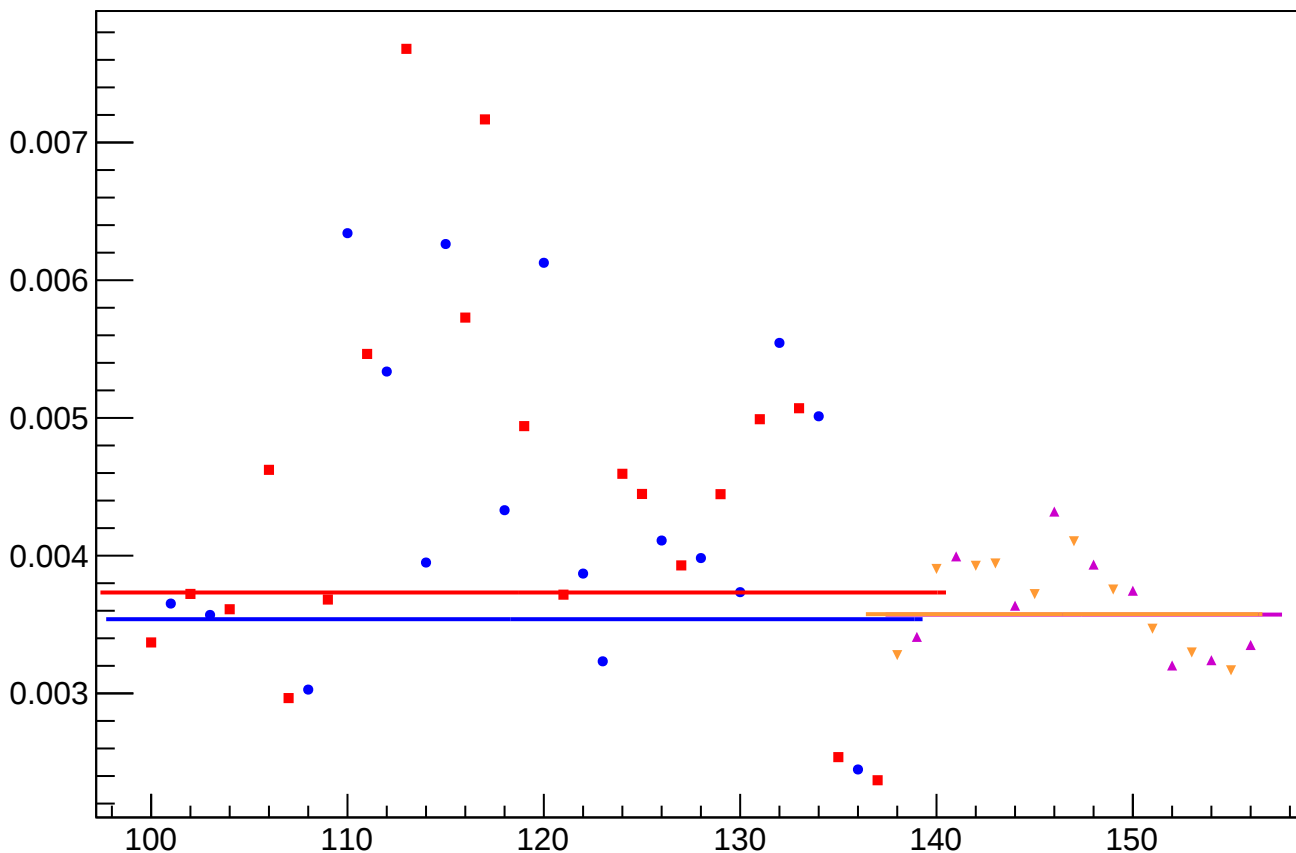
Right Out: -0.421+/-0.000 χ^2/NDF : 1652792044.5/19

Left In: -0.561+/-0.000 χ^2/NDF : 9432921779.9/8

-0.495+/-0.000 χ^2/NDF : 19137727924.8/26

-0.498+/-0.000 χ^2/NDF : 15682956963.4/28

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 836154.0/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:103806.2/9

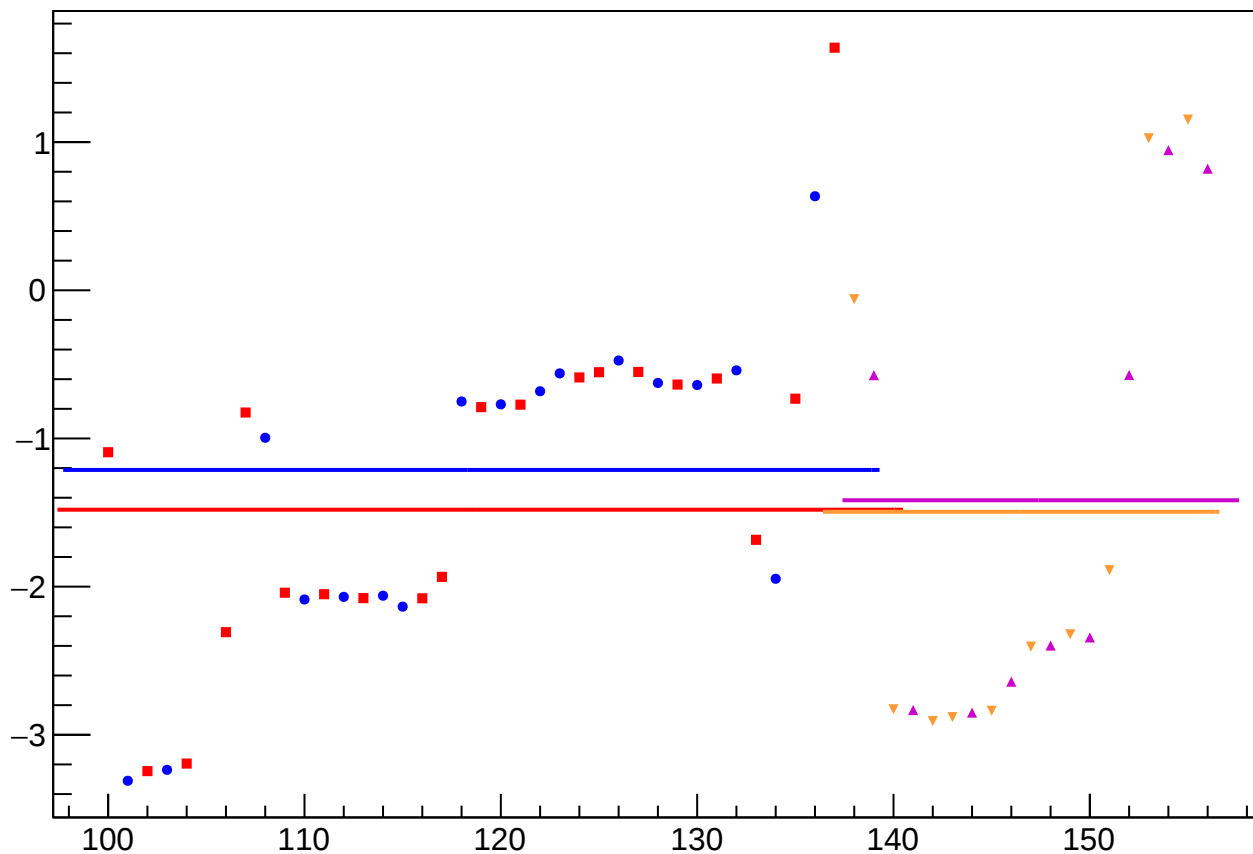
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 916963.6/19

Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:119797.9/8

0.004 $\pm$ 0.000 χ^2 /NDF: 940592.5/26

0.004 $\pm$ 0.000 χ^2 /NDF: 1048746.6/28

yield_bpm0r03X_mean vs Slug



Right In: -1.212+/-0.000 χ^2/NDF : 1992853443.9/16

Left Out: -1.495+/-0.000 χ^2/NDF : 3174197420.6/9

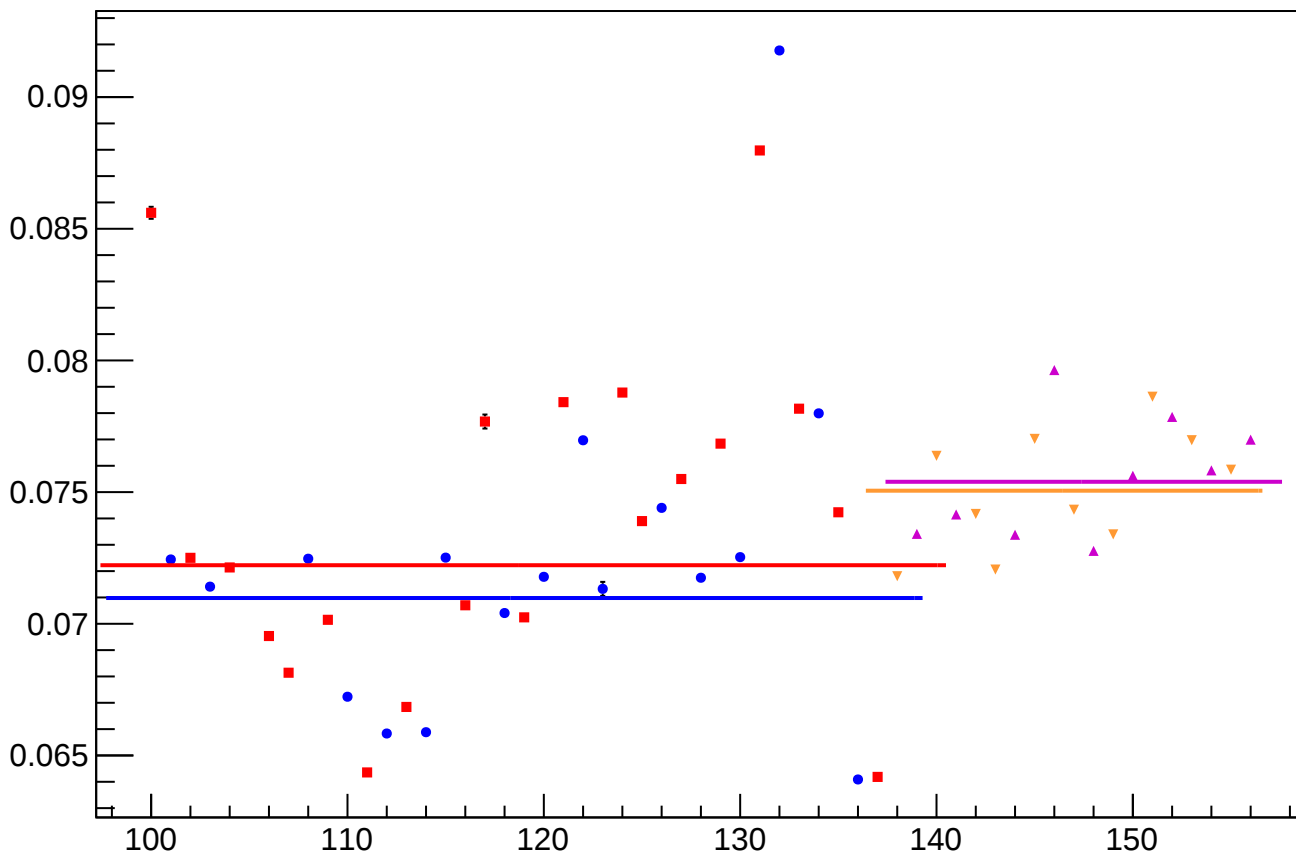
Right Out: -1.481+/-0.000 χ^2/NDF : 1579722113.8/19

Left In: -1.417+/-0.000 χ^2/NDF : 2709375641.9/8

-1.352+/-0.000 χ^2/NDF : 5218416905.9/26

-1.450+/-0.000 χ^2/NDF : 4291724582.1/28

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 : 12063.9/9

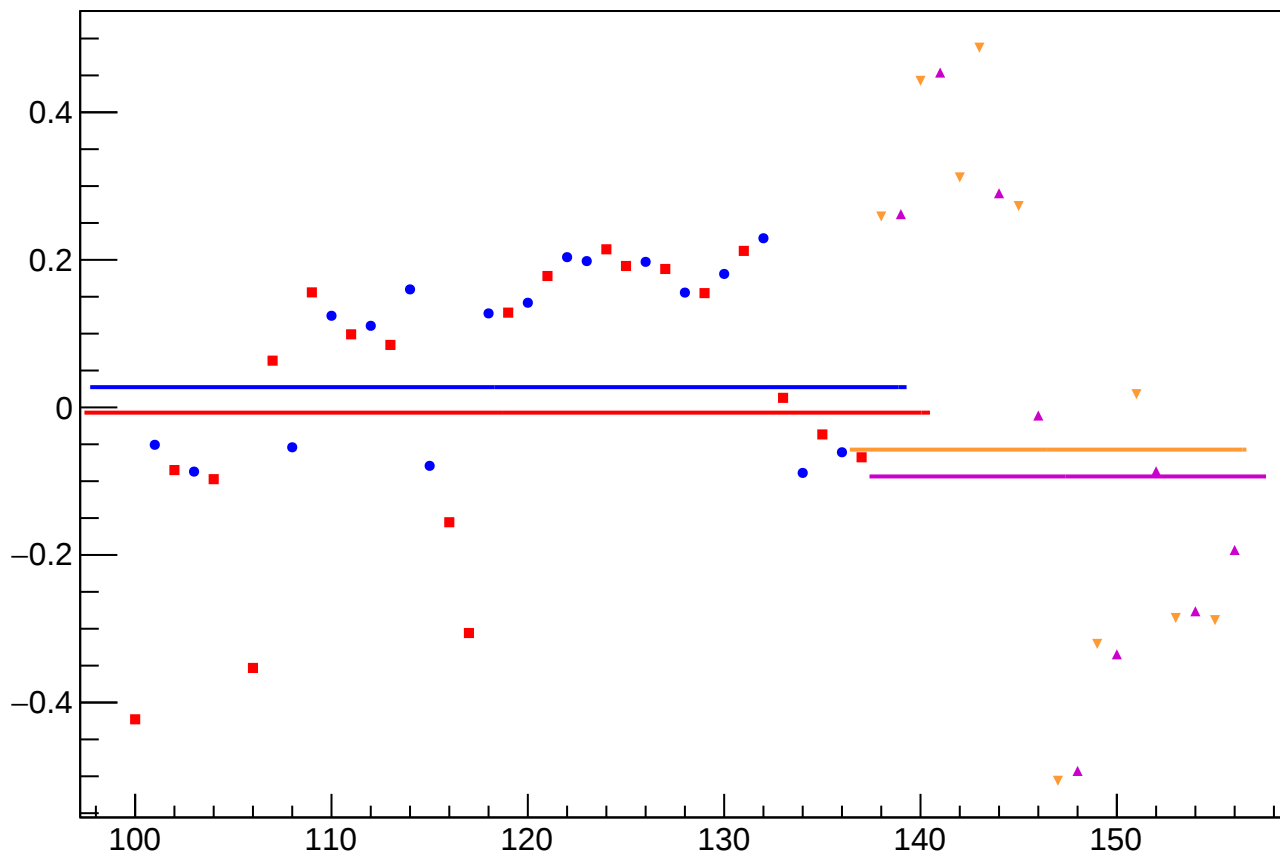
Right Out: 0.072+/-0.000 χ^2/NDF : 73650.9/19

Left In: 0.075+/-0.000 χ^2/NDF : 11289.0/8

0.073+/-0.000 χ^2/NDF : 111067.6/26

0.074+/-0.000 χ^2/NDF : 97940.9/28

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562337631.4/16

Left Out: -0.057+/-0.000 χ^2/NDF : 12431024866.4/9

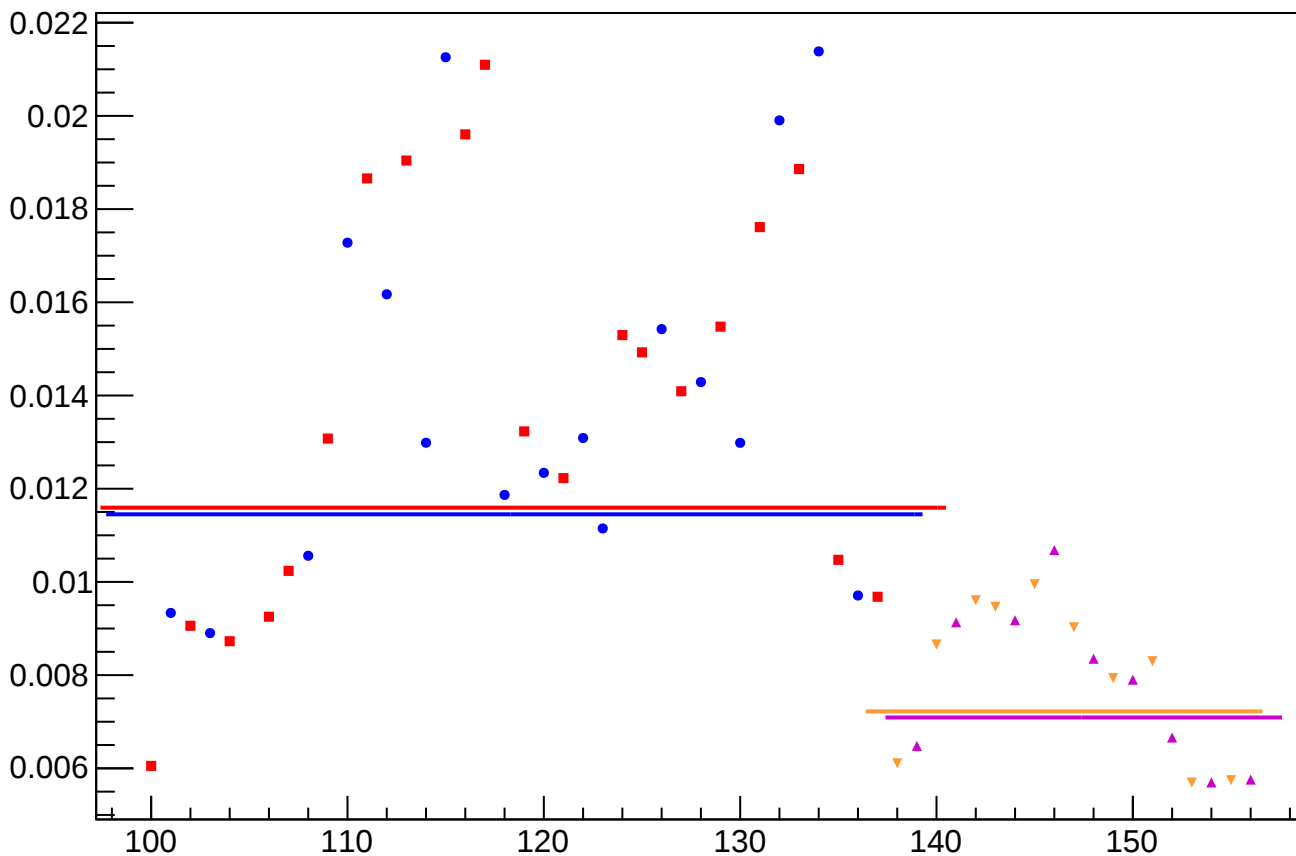
Right Out: -0.007+/-0.000 χ^2/NDF : 1207003891.2/19

Left In: -0.094+/-0.000 χ^2/NDF : 9563440946.0/8

-0.035+/-0.000 χ^2/NDF : 13225527408.6/26

-0.071+/-0.000 χ^2/NDF : 11017412308.3/28

yield_bpm0r03Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2/NDF : 679628.0/16

Left Out: 0.007 $\pm$ 0.000 χ^2/NDF : 605464.1/9

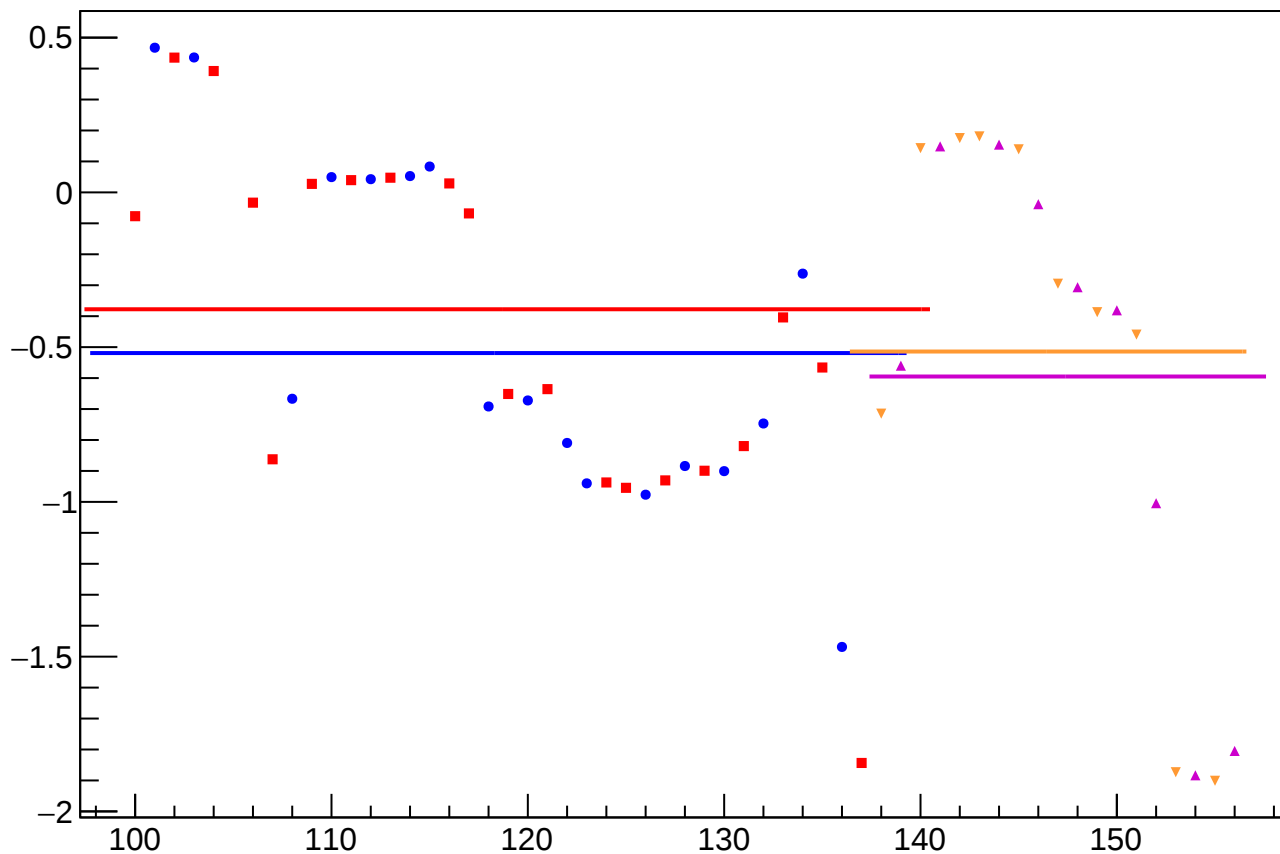
Right Out: 0.012 $\pm$ 0.000 χ^2/NDF : 1012799.2/19

Left In: 0.007 $\pm$ 0.000 χ^2/NDF : 554182.4/8

0.008 $\pm$ 0.000 χ^2/NDF : 2443119.4/26

0.008 $\pm$ 0.000 χ^2/NDF : 2905290.7/28

yield_bpm0r05X_mean vs Slug



Right In: -0.519+/-0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.514+/-0.000 χ^2/NDF : 532601029.0/9

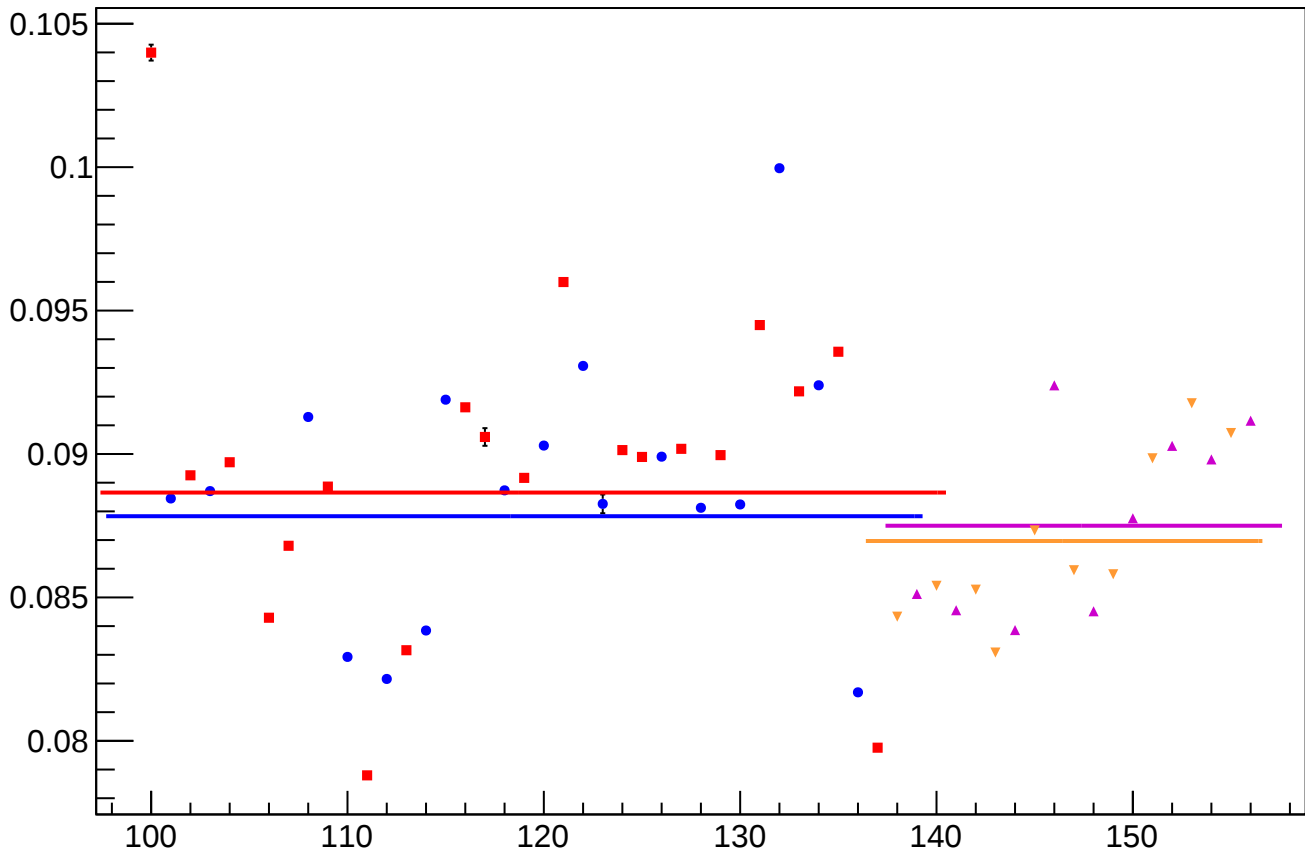
Right Out: -0.378+/-0.000 χ^2/NDF : 269130827.6/19

Left In: -0.595+/-0.000 χ^2/NDF : 501077489.3/8

-0.517+/-0.000 χ^2/NDF : 871996147.7/26

-0.488+/-0.000 χ^2/NDF : 792072512.7/28

yield_bpm0r05X_rms vs Slug



Right In: 0.088 $\pm$ 0.000 χ^2 /NDF: 34954.4/16

Left Out: 0.087 $\pm$ 0.000 χ^2 /NDF:14414.0/9

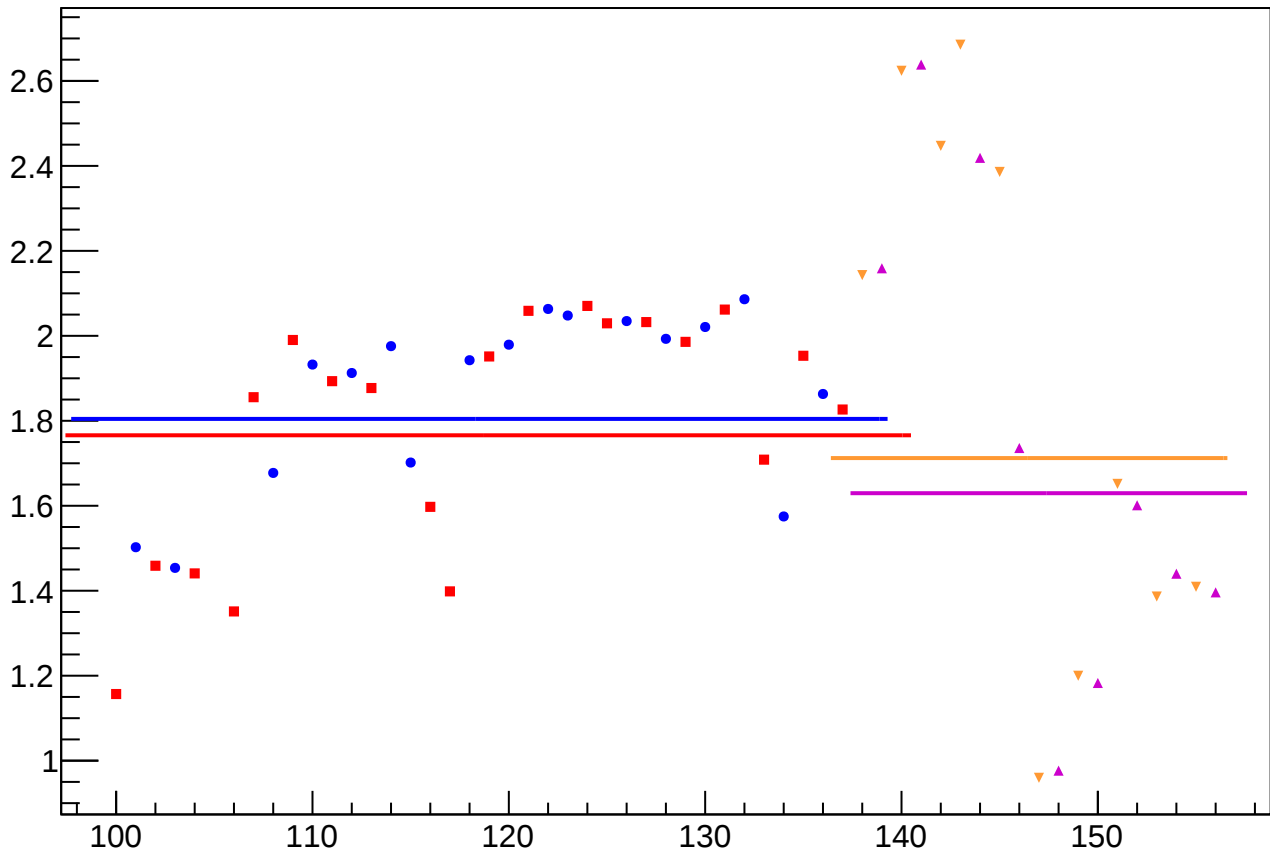
Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 39762.8/19

Left In: 0.087 $\pm$ 0.000 χ^2 /NDF:17870.3/8

0.087 $\pm$ 0.000 χ^2 /NDF: 50050.4/26

0.088 $\pm$ 0.000 χ^2 /NDF: 58872.0/28

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 ± 0.000 χ^2/NDF : 1156747883.2/16

Left Out: 1.712 ± 0.000 χ^2/NDF : 19728640571.9/9

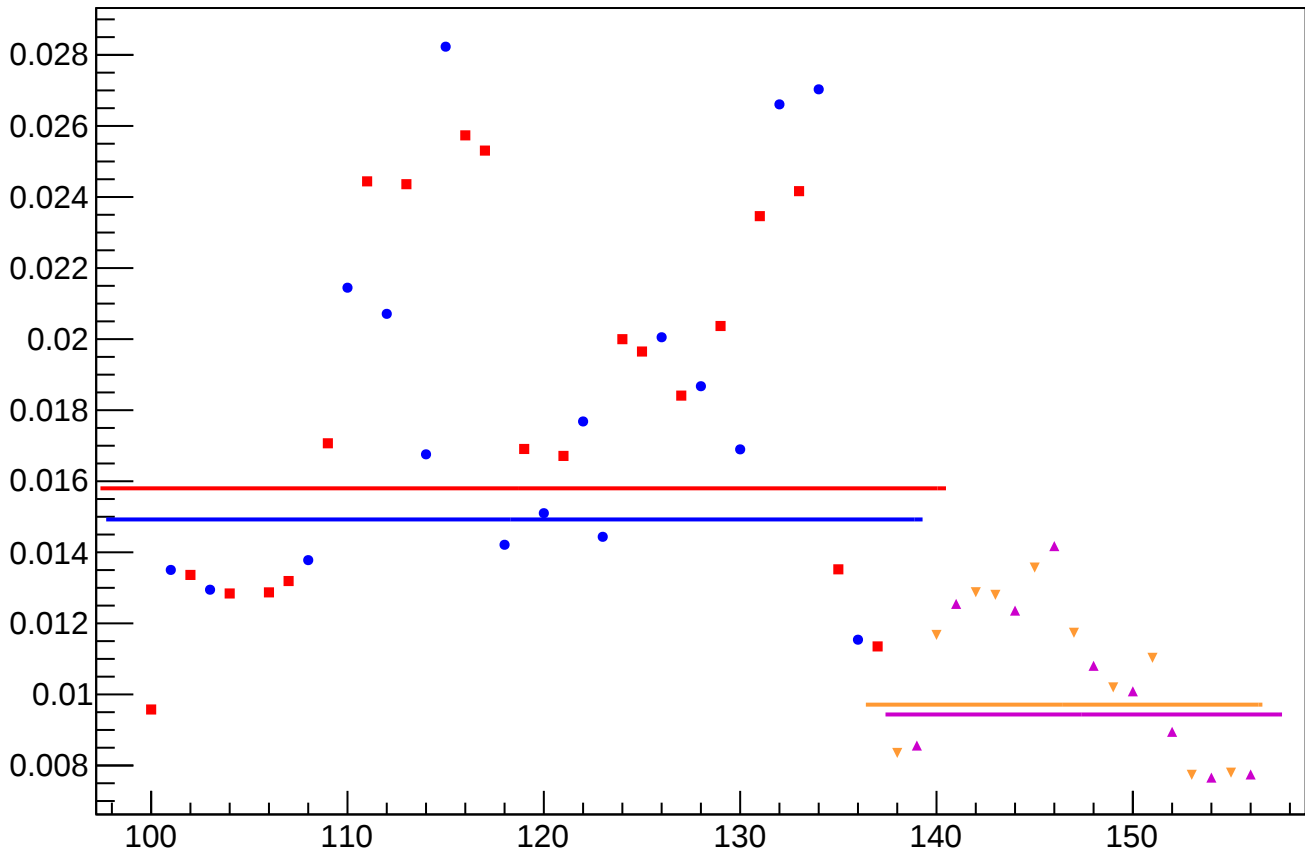
Right Out: 1.766 ± 0.000 χ^2/NDF : 1717275187.7/19

Left In: 1.630 ± 0.000 χ^2/NDF : 16142800852.3/8

1.737 ± 0.000 χ^2/NDF : 21045441404.2/26

1.663 ± 0.000 χ^2/NDF : 18199412106.1/28

yield_bpm0r05Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 643651.9/16

Left Out: 0.010+/-0.000 χ^2/NDF : 563784.3/9

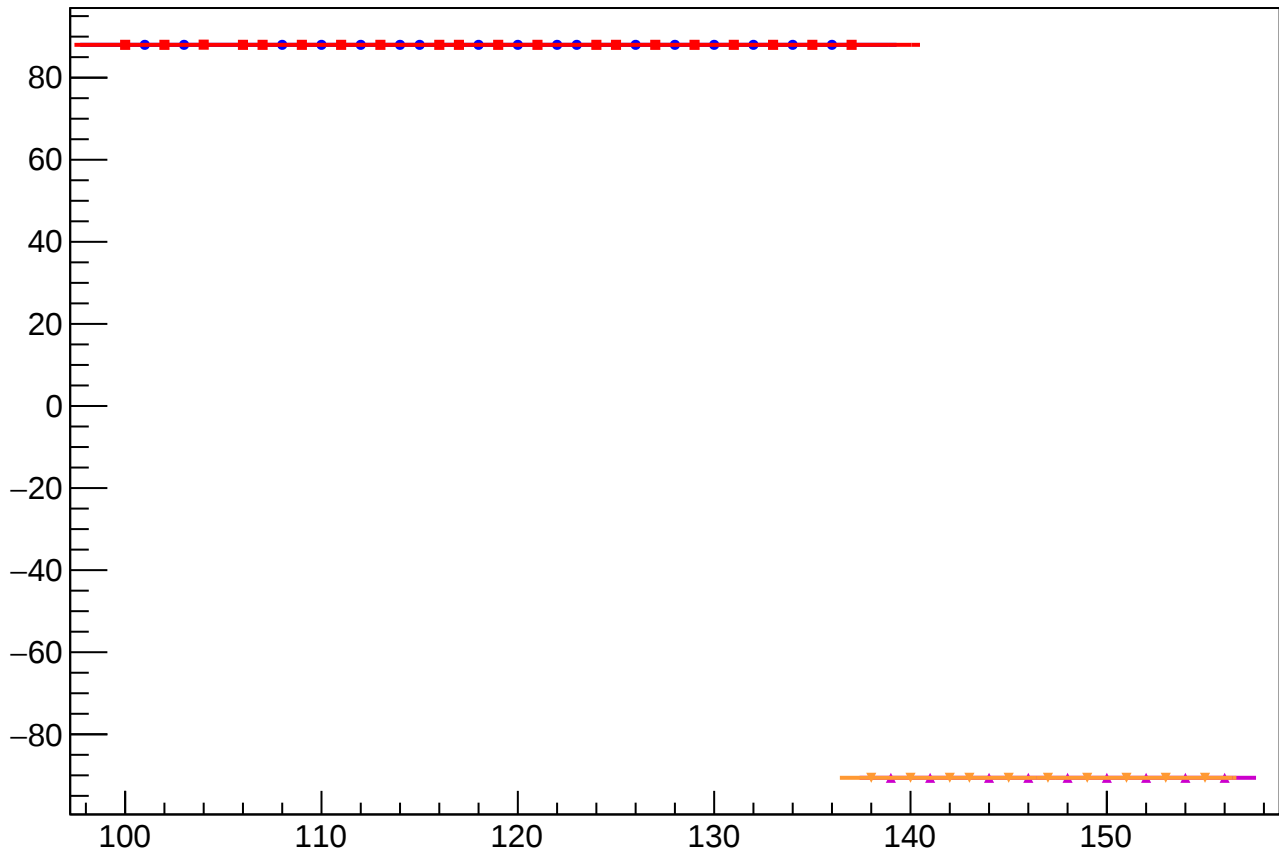
Right Out: 0.016+/-0.000 χ^2/NDF : 796839.8/19

Left In: 0.009+/-0.000 χ^2/NDF : 540328.2/8

0.011+/-0.000 χ^2/NDF : 2230391.0/26

0.011+/-0.000 χ^2/NDF : 2817124.5/28

epics_VWienAngles_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 1852068.7/16

Left Out: -90.599+/-0.000 χ^2/NDF : 3264495.8/9

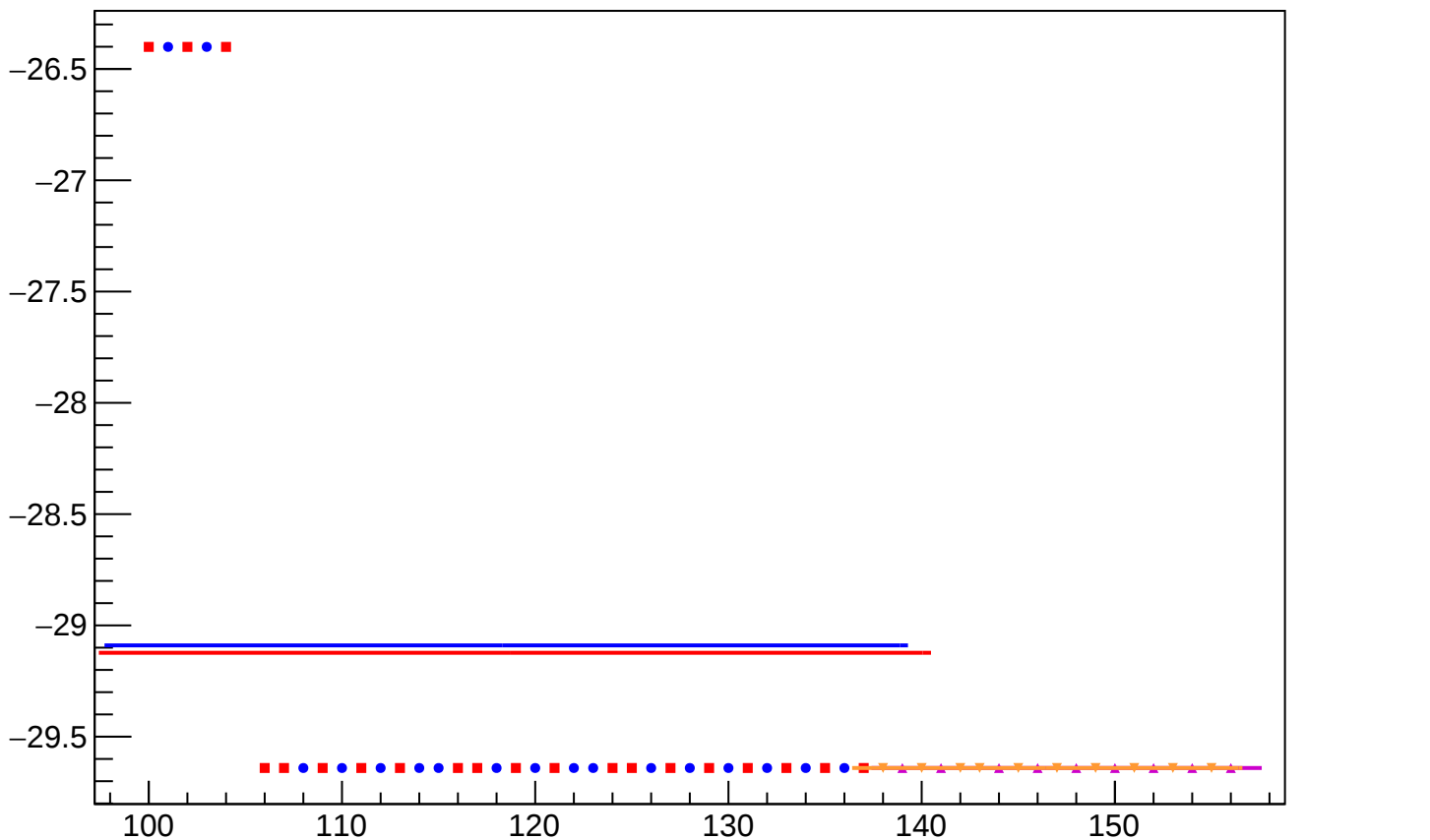
-5.235+/-0.000 χ^2/NDF : 115564639489807039

Right Out: 88.004+/-0.000 χ^2/NDF : 77578366411928007427611426816.0/19

-3.165+/-0.000 χ^2/NDF : 118213773250416193

Left In: -90.599+/-0.000 χ^2/NDF : 987729.6/8

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 : 174559.1/9

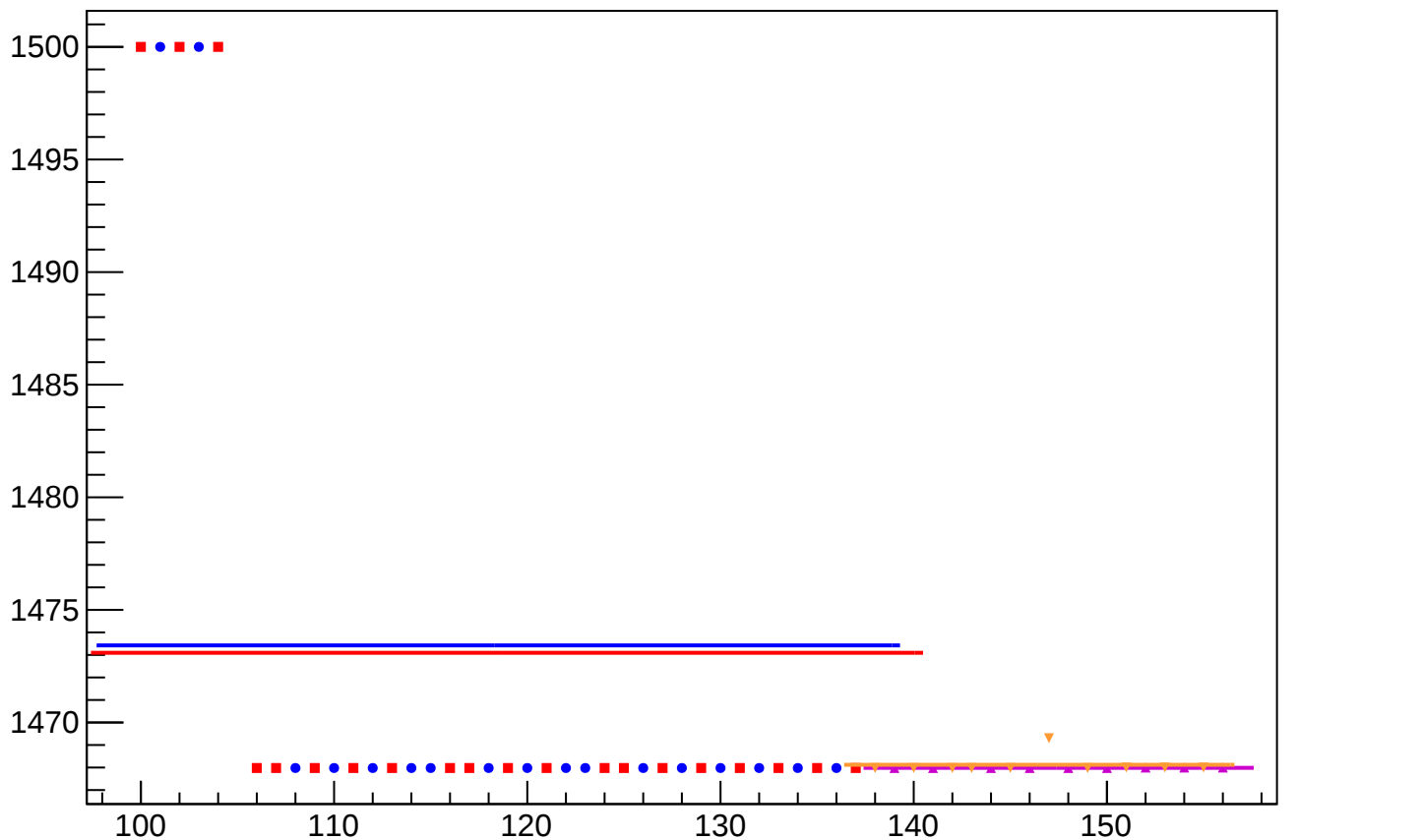
Right Out: -29.123+/-0.000 χ^2/NDF : 1023154512396702254583444720844800.0/19

Left In: -29.641+/-0.000 χ^2/NDF : 62465.2/8

-29.377+/-0.000 χ^2/NDF : 11380497322313978

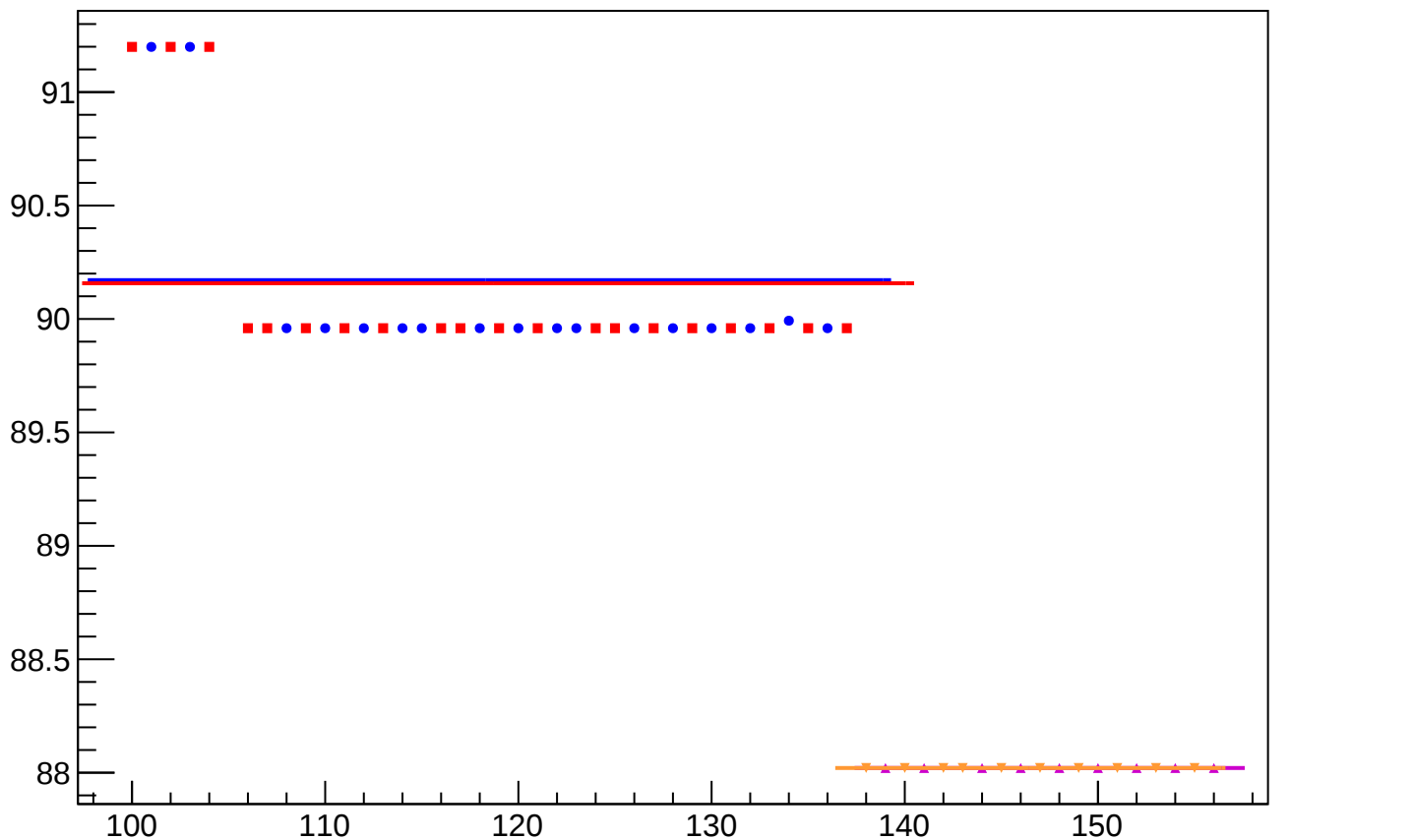
-29.387+/-0.000 χ^2/NDF : 11224716299392955

epics_psub_pl_poss_mean vs Slug



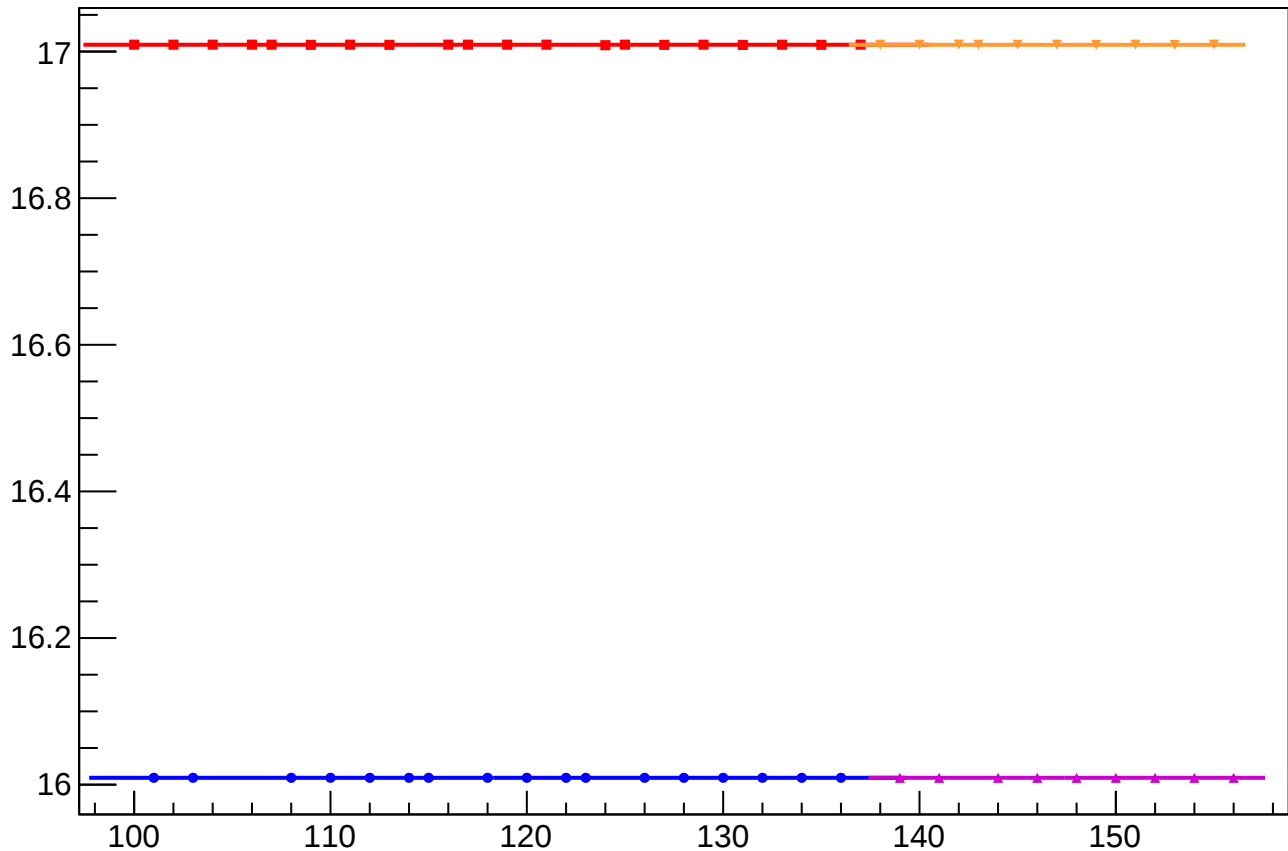
Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16
 Left Out: 1468.122+/-0.000 χ^2/NDF : 121080860142079532627365115985920.0/9
 Right Out: 1473.096+/-0.000 χ^2/NDF : 99938310777099611815298348687032320.0/19
 Left In: 1467.986+/-0.000 χ^2/NDF : 67770673691727851640487673856.0/8

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 : 2950668.0/9
 Right Out: 90.157+/-0.000 χ^2/NDF : 149863052341628336344772108091392.0/19
 Left In: 88.021+/-0.000 χ^2/NDF : 1300951.5/8

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 : 9633055740760340629028864.0/9

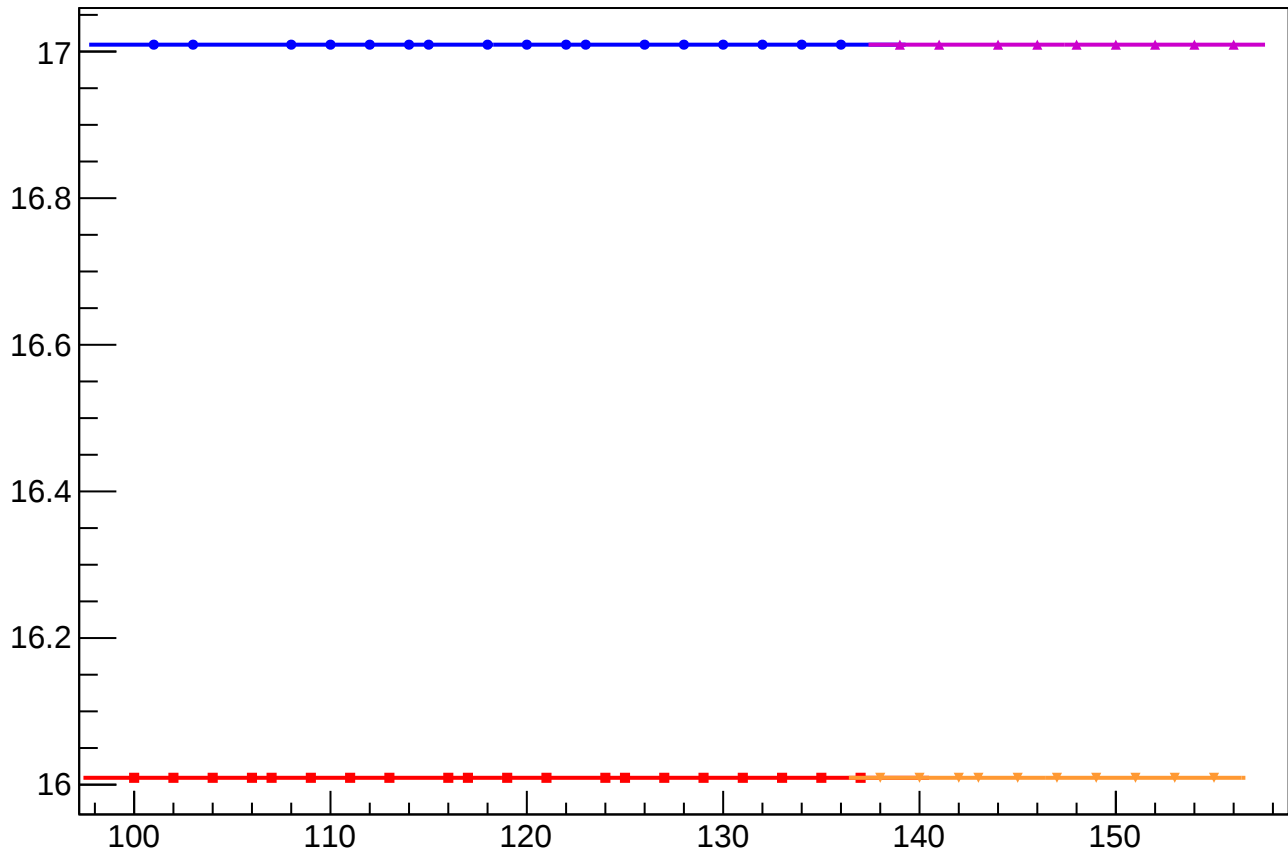
Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 12548783366686740957888512.0/19

Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 32816.6/8

16.516 $\pm$ 0.000 χ^2/NDF : 335085067305944412

16.487 $\pm$ 0.000 χ^2/NDF : 343740581385919814

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 132629.6/16

Left Out: 16.009+/-0.000 χ^2/NDF : 28941.7/9

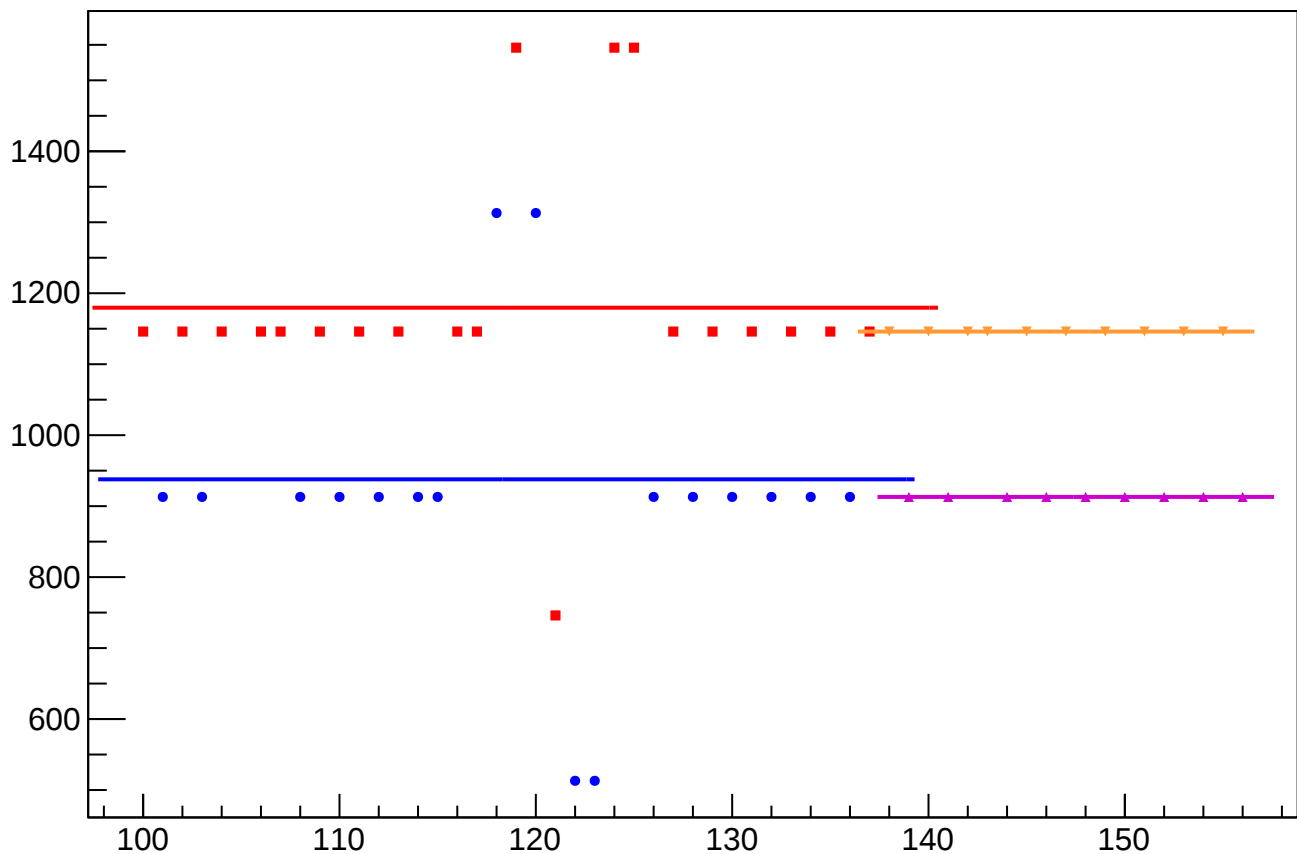
Right Out: 16.009+/-0.000 χ^2/NDF : 42750.0/19

Left In: 17.009+/-0.000 χ^2/NDF : 23653.2/8

16.478+/-0.000 χ^2/NDF : 351628895184130940

16.522+/-0.000 χ^2/NDF : 368755420054167618

epics_RTPAPOSUCNTs_mean vs Slug



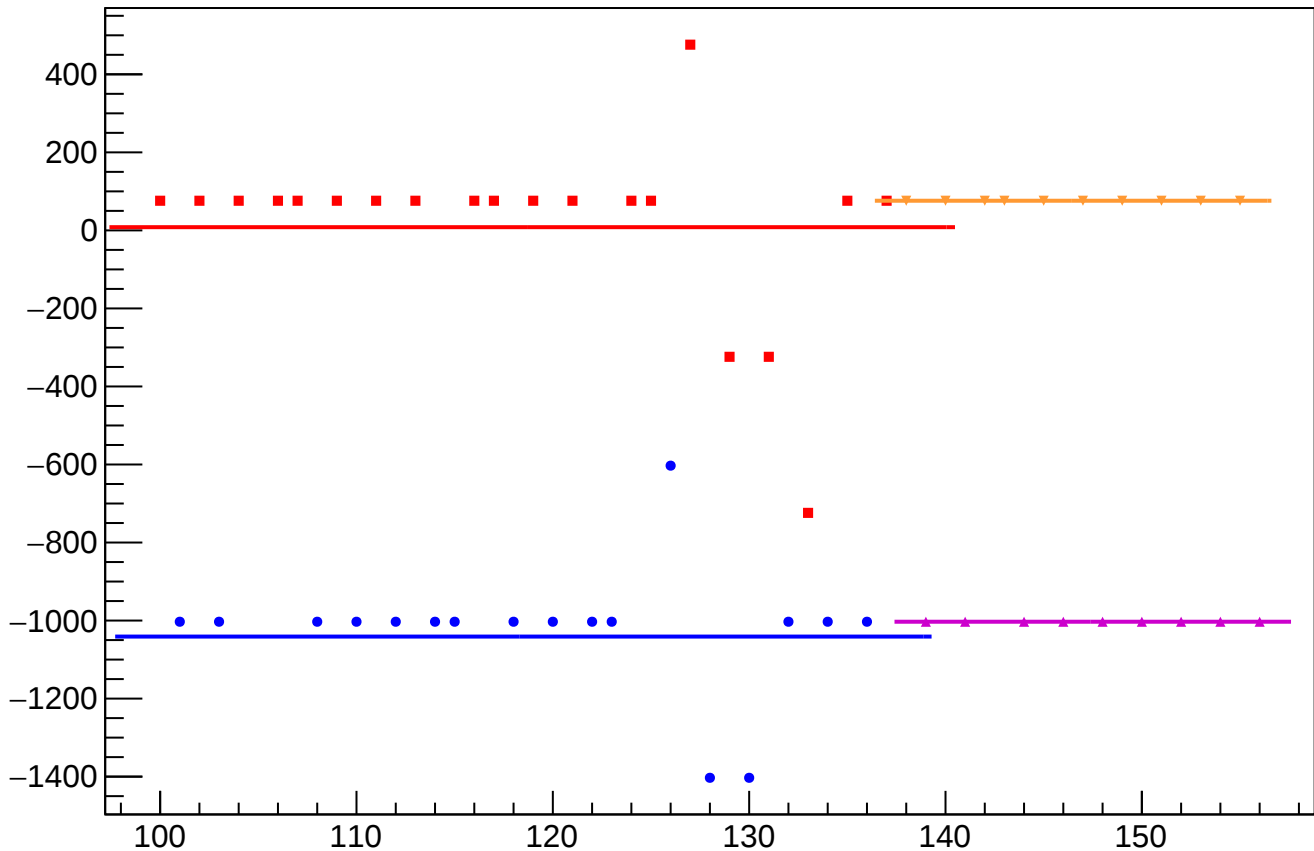
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.011+/-0.000 χ^2/NDF : 2612951619900884841628958720.0/9

Right Out: 1179.619+/-0.000 χ^2/NDF : 21420659731738679306829480097874968576.0/19

Left In: 912.994+/-0.000 χ^2/NDF : 9522083881887774169553174528.0/8

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 : 2999609124876786285613678592.0/9
 Right Out: 8.240+/-0.000 χ^2/NDF : 43865391744972338137265798243810279424.0/19
 Left In: -1002.989+/-0.000 χ^2/NDF : 1104767084912962784542588928.0/8