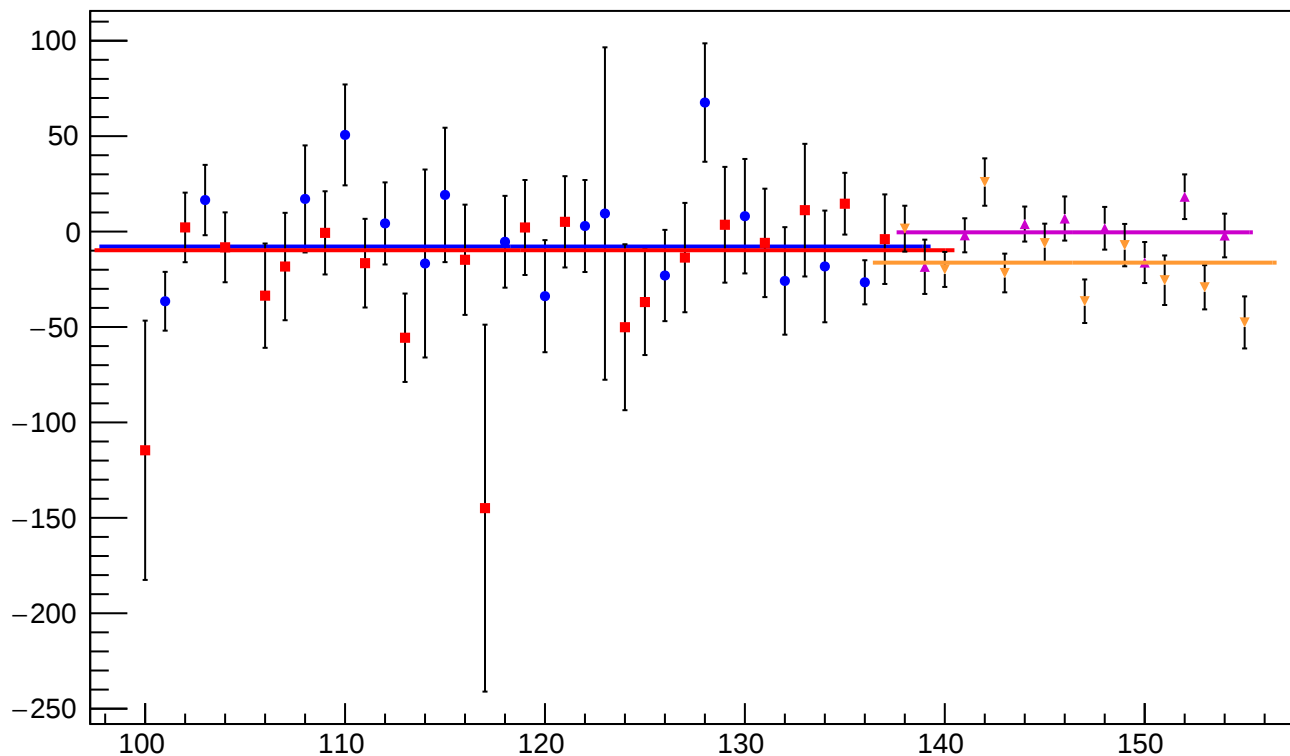


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

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

-13.863 ± 3.002

$\chi^2/\text{NDF}: 50.3/26$

Left Out: -16.281 ± 3.554

$\chi^2/\text{NDF}: 26.0/9$

Right Out: -9.781 ± 5.667

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

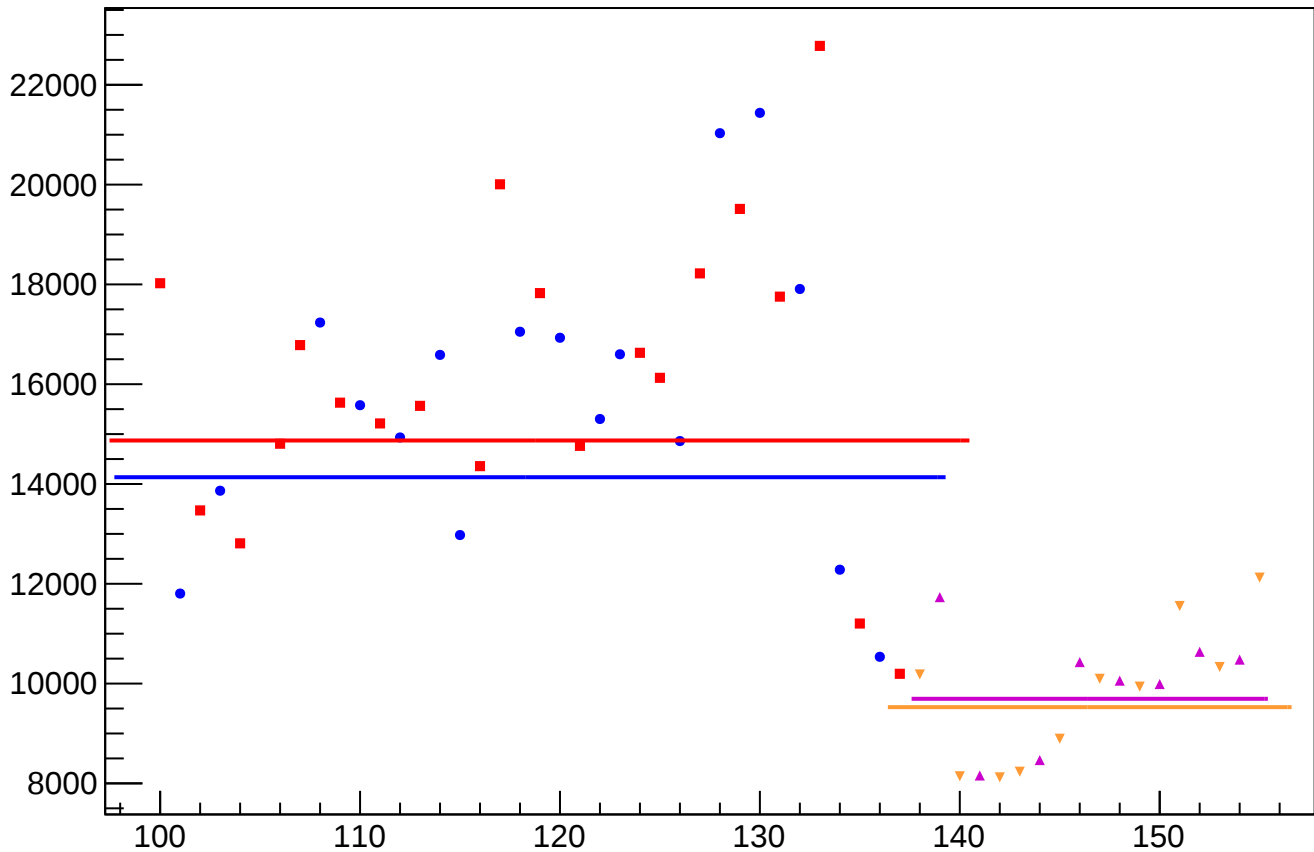
-3.330 ± 3.169

$\chi^2/\text{NDF}: 24.1/27$

Left In: -0.394 ± 3.823

$\chi^2/\text{NDF}: 7.0/7$

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

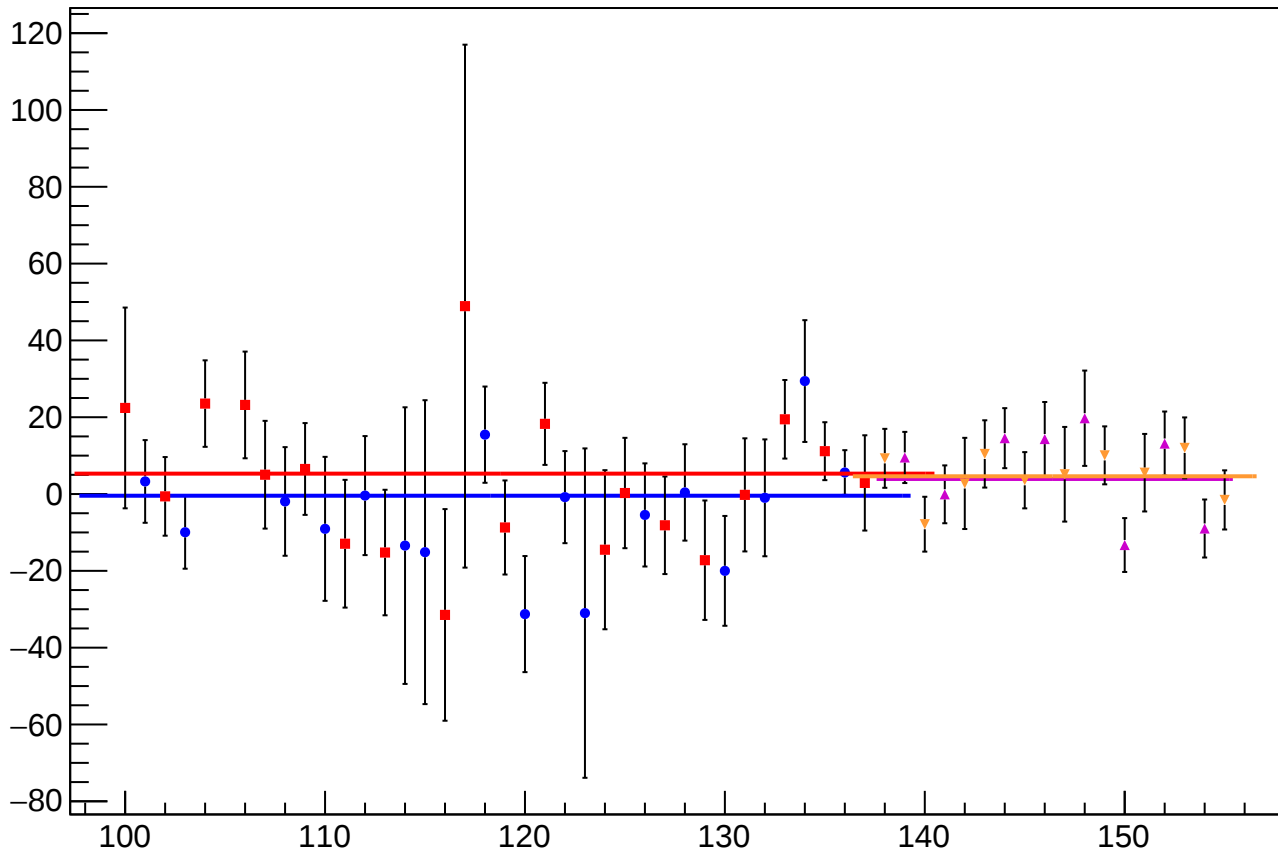
10848.014+/-2.123 χ^2/NDF : 1816724.6/26

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

11313.910+/-2.241 χ^2/NDF : 1794989.3/27

Left In: 9695.089+/-2.703 χ^2/NDF : 170289.5/7

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

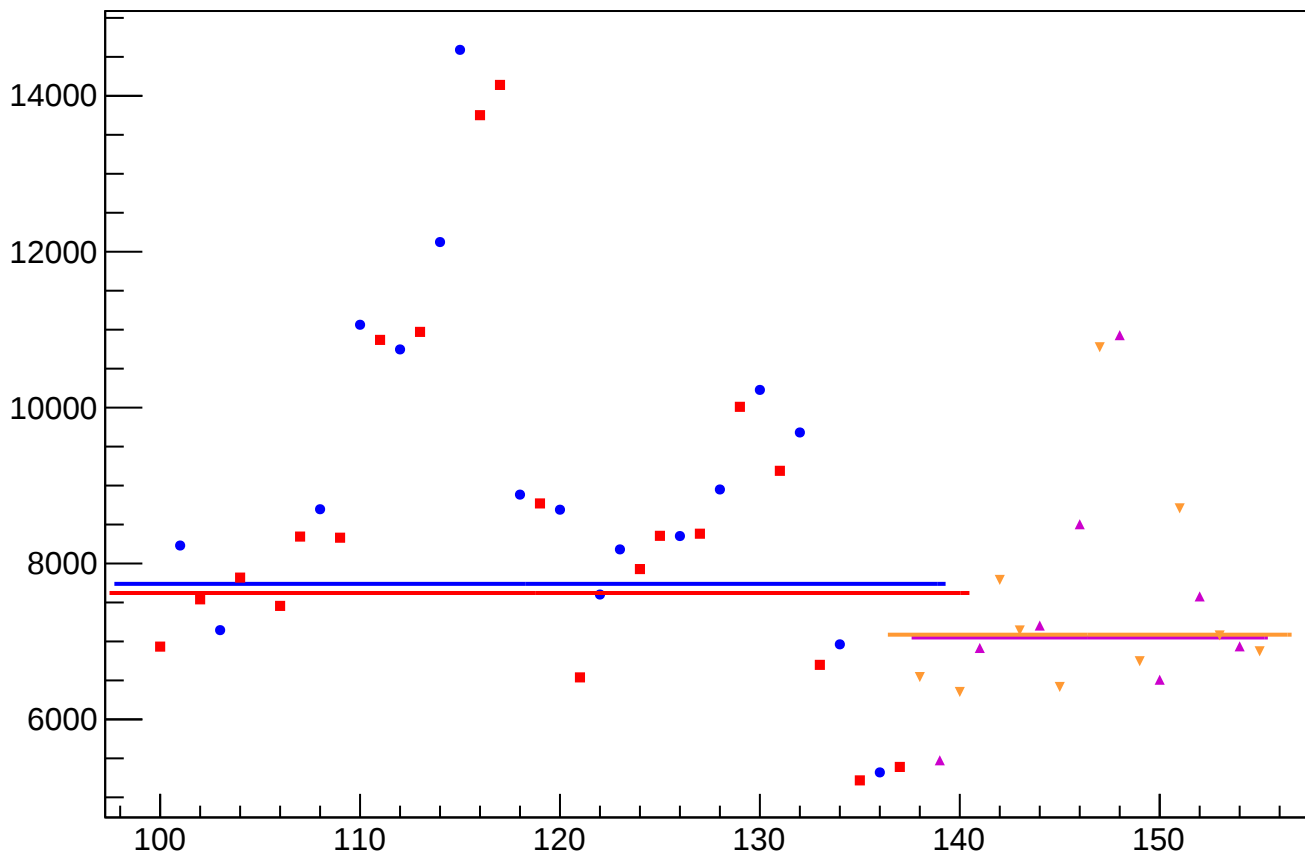
Right Out: 5.310 ± 2.933 χ^2/NDF : 19.8/19

Left In: 3.926 ± 2.817 χ^2/NDF : 15.8/7

2.459 ± 2.008 χ^2/NDF : 22.0/26

4.590 ± 2.032 χ^2/NDF : 35.7/27

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

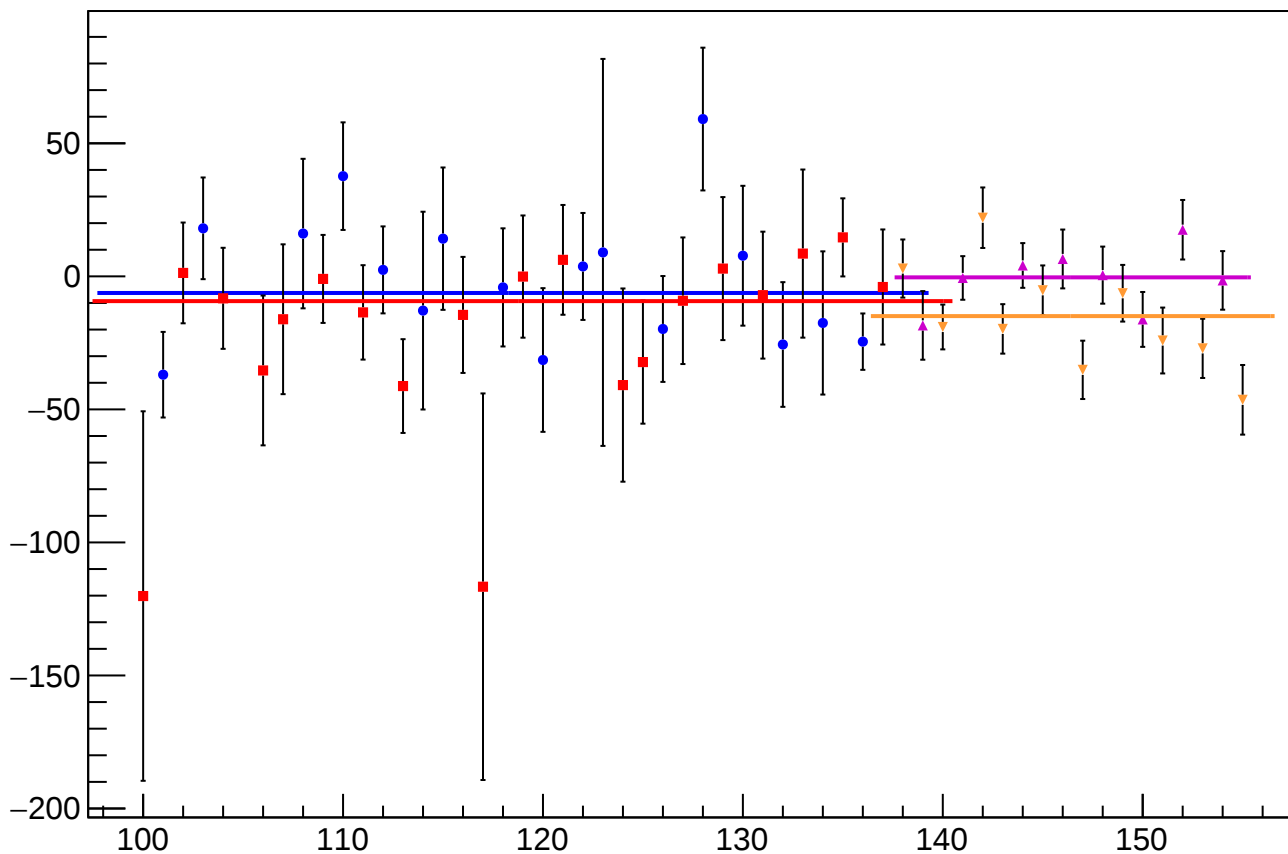
Right Out: 7621.652 $\pm$ 2.074 χ^2 /NDF: 697548.6/19

Left In: 7050.792 $\pm$ 1.992 χ^2 /NDF: 374402.3/7

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

7324.715 $\pm$ 1.437 χ^2 /NDF: 1111357.8/27

diff_bpm4eX_mean vs Slug



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

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

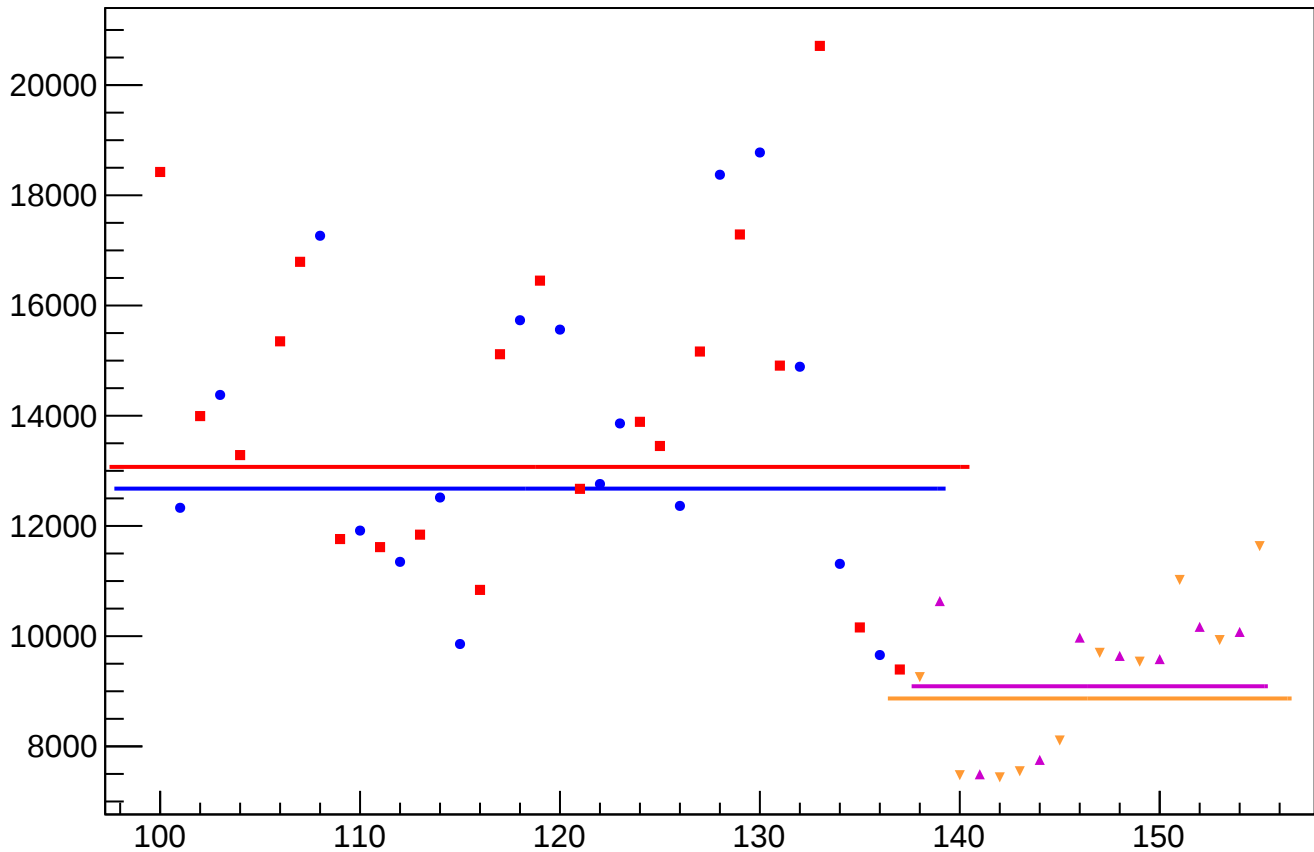
Right Out: -9.310 ± 4.987 $\chi^2/\text{NDF}: 15.3/19$

Left In: -0.377 ± 3.590 $\chi^2/\text{NDF}: 7.6/7$

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

-3.426 ± 2.914 $\chi^2/\text{NDF}: 25.0/27$

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

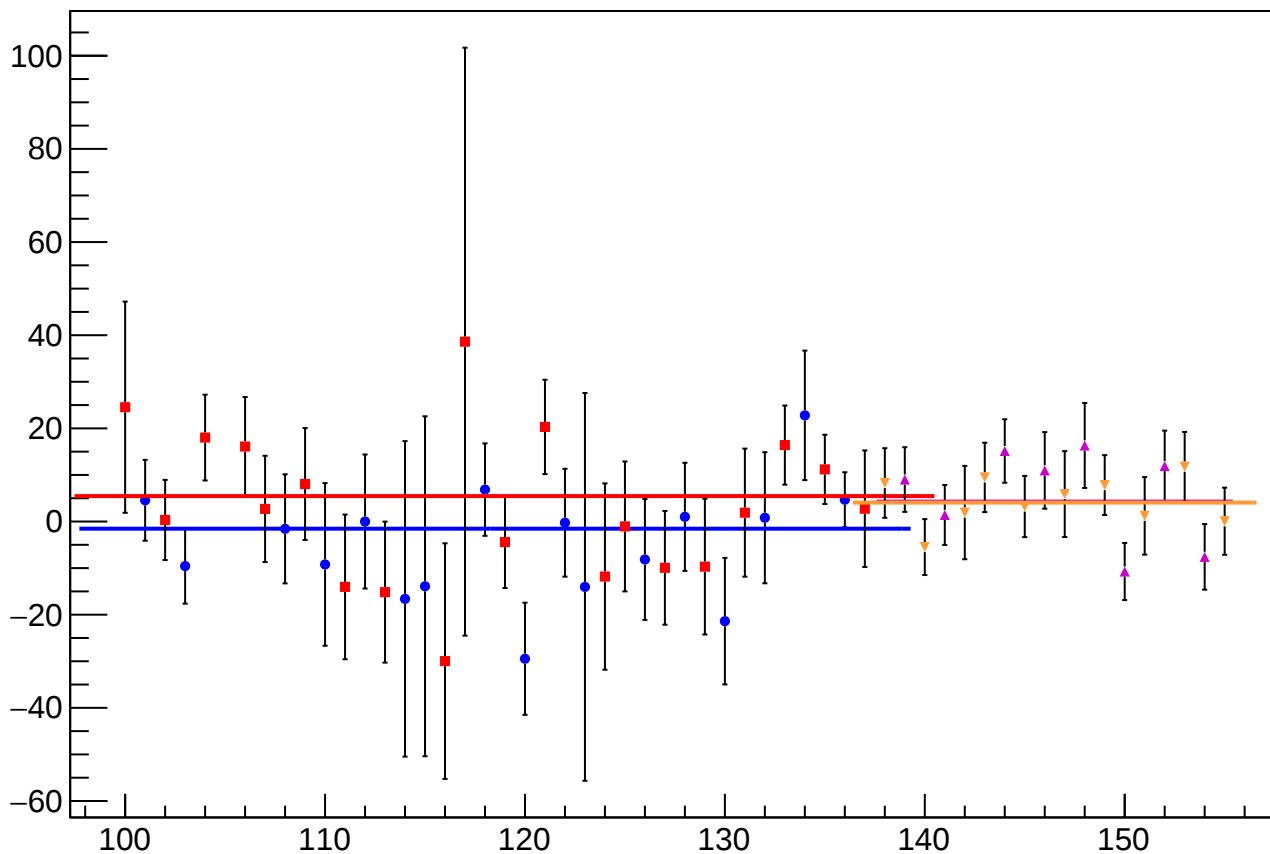
10027.989+/-1.957 χ^2/NDF : 1684855.7/26

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

10449.408+/-2.060 χ^2/NDF : 1550758.8/27

Left In: 9090.800+/-2.539 χ^2/NDF : 212511.9/7

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

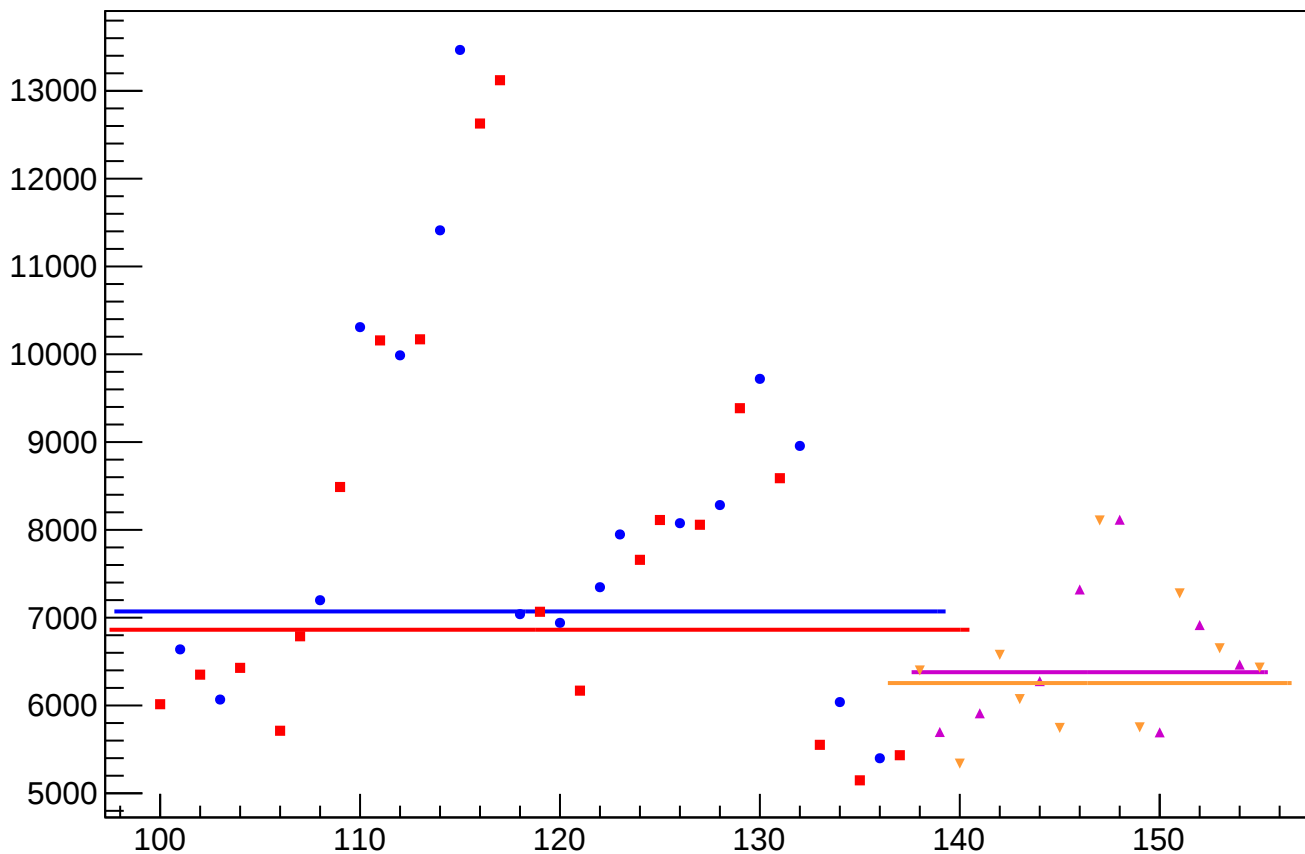
Right Out: 5.463 ± 2.637 χ^2/NDF : 18.9/19

Left In: 4.281 ± 2.521 χ^2/NDF : 15.5/7

1.766 ± 1.788 χ^2/NDF : 22.5/26

4.845 ± 1.822 χ^2/NDF : 34.4/27

diff_bpm4eY_rms vs Slug



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

Left Out: 6255.338+/-1.647 χ^2/NDF :192775.1/9

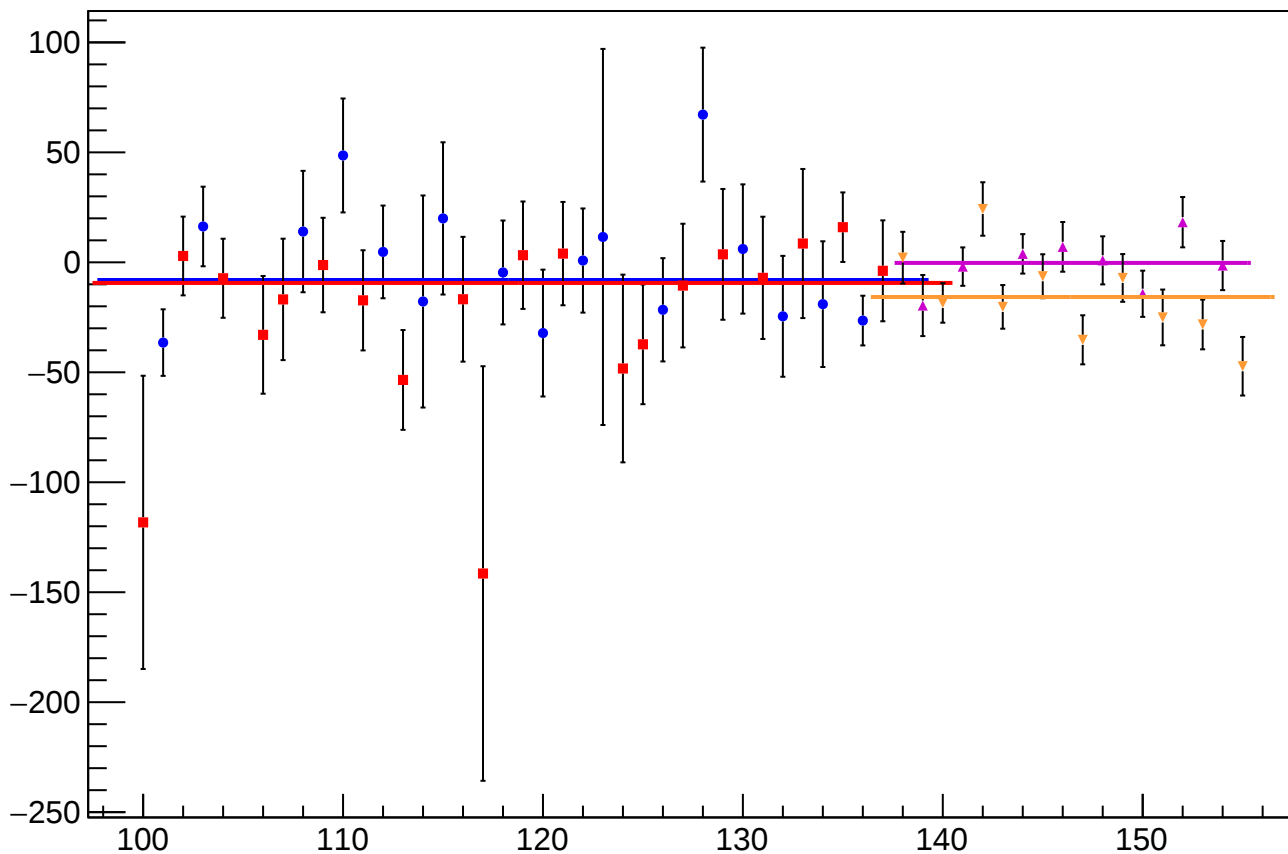
Right Out: 6862.551+/-1.865 χ^2/NDF : 704099.3/19

Left In: 6379.061+/-1.783 χ^2/NDF :164245.0/7

6590.186+/-1.264 χ^2/NDF : 894275.3/26

6609.917+/-1.289 χ^2/NDF : 903466.6/27

diff_bpm4acX_mean vs Slug



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

Left Out: -15.761 ± 3.475 $\chi^2/\text{NDF}: 25.4/9$

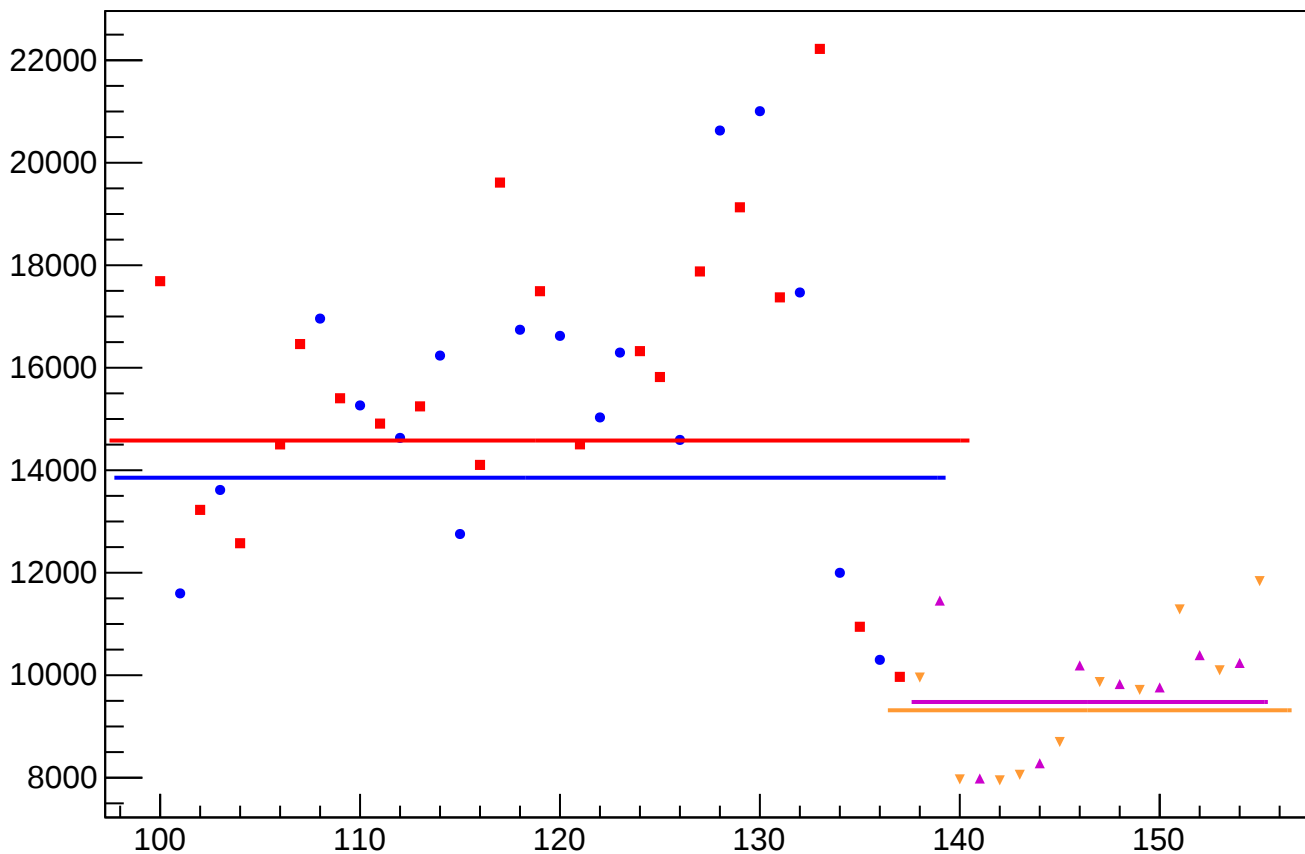
Right Out: -9.368 ± 5.556 $\chi^2/\text{NDF}: 15.7/19$

Left In: -0.261 ± 3.737 $\chi^2/\text{NDF}: 7.0/7$

-13.556 ± 2.937 $\chi^2/\text{NDF}: 49.4/26$

-3.097 ± 3.101 $\chi^2/\text{NDF}: 24.5/27$

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

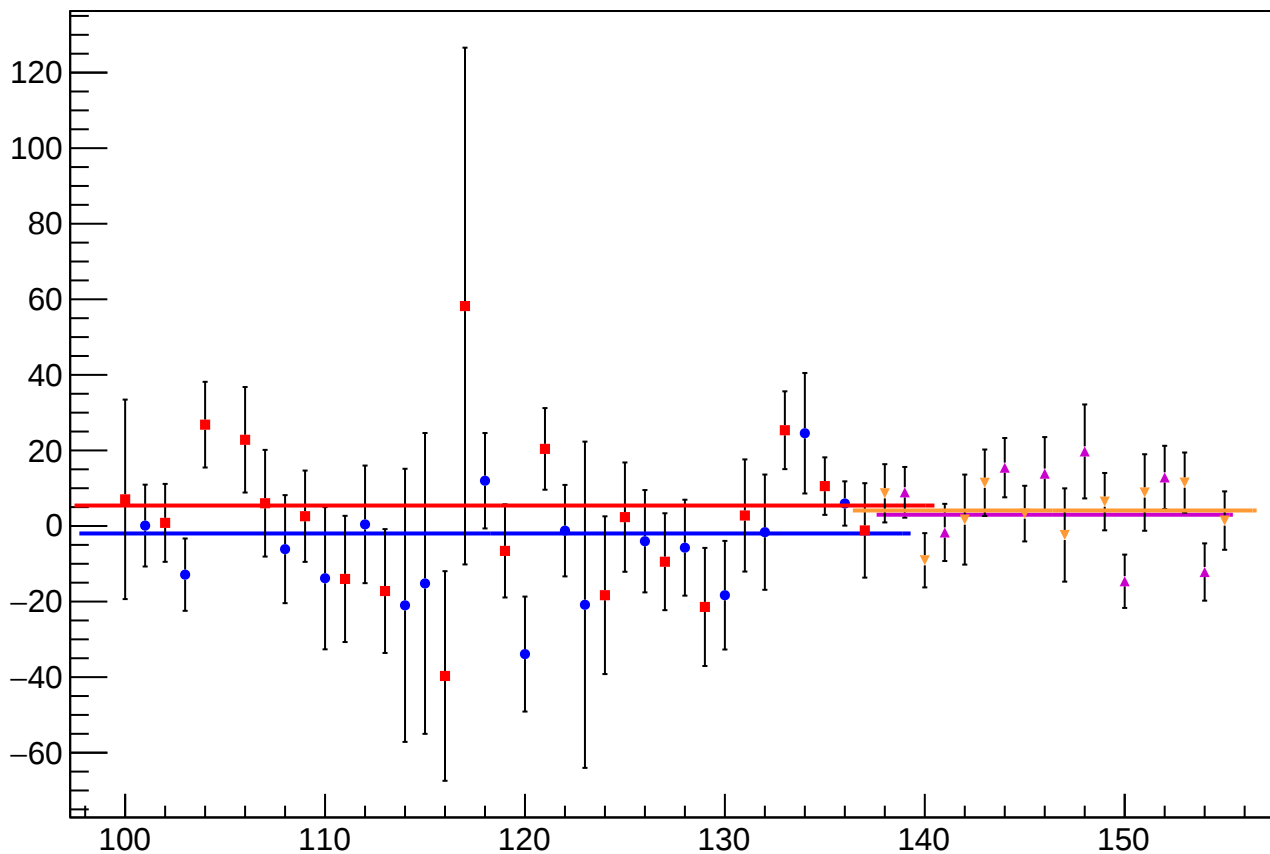
Right Out: 14579.863+/-3.929 χ^2/NDF : 480003.4/19

Left In: 9477.922+/-2.642 χ^2/NDF :168126.3/7

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

11066.702+/-2.193 χ^2/NDF : 1809212.2/27

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

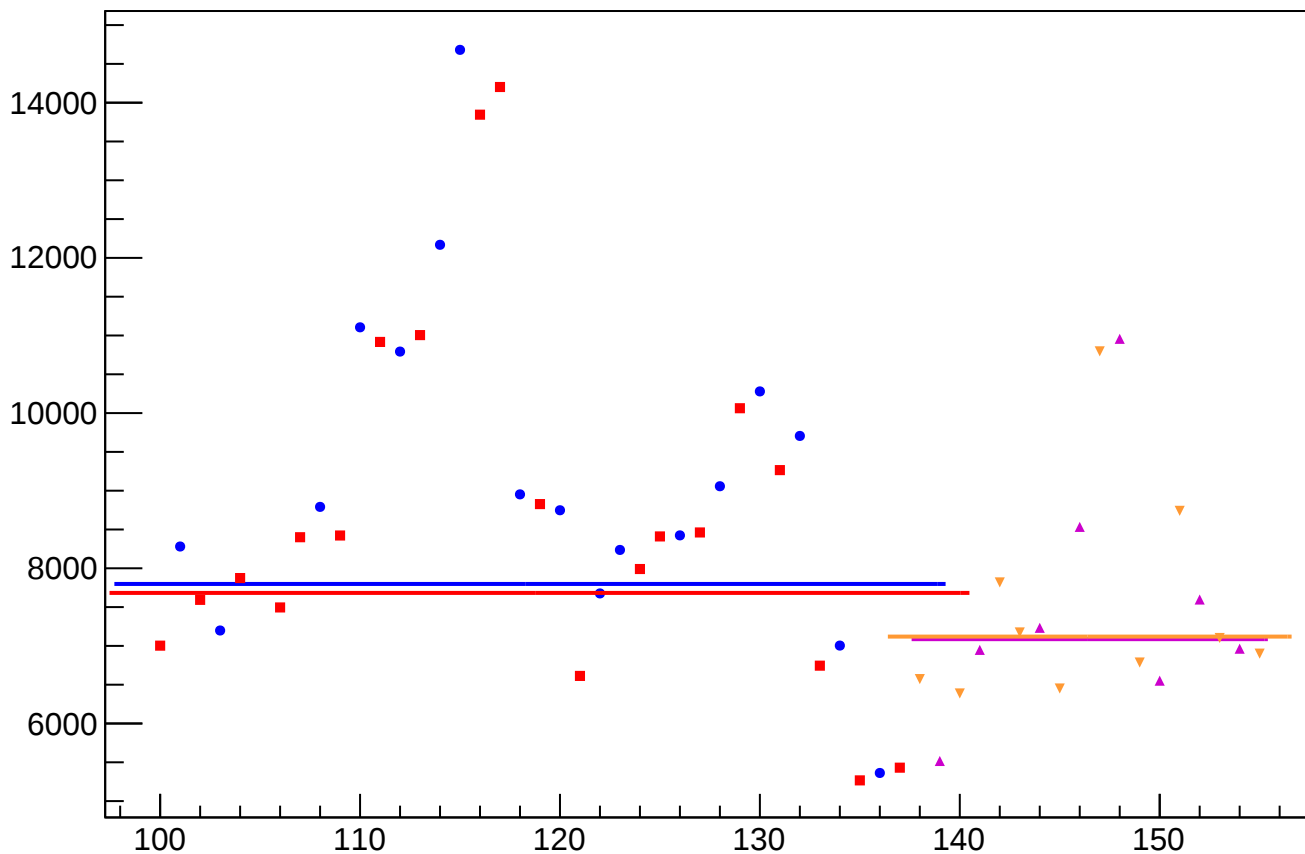
Right Out: 5.417 ± 2.956 χ^2/NDF : 24.9/19

Left In: 2.987 ± 2.831 χ^2/NDF : 18.4/7

1.514 ± 2.019 χ^2/NDF : 22.3/26

4.150 ± 2.044 χ^2/NDF : 43.6/27

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

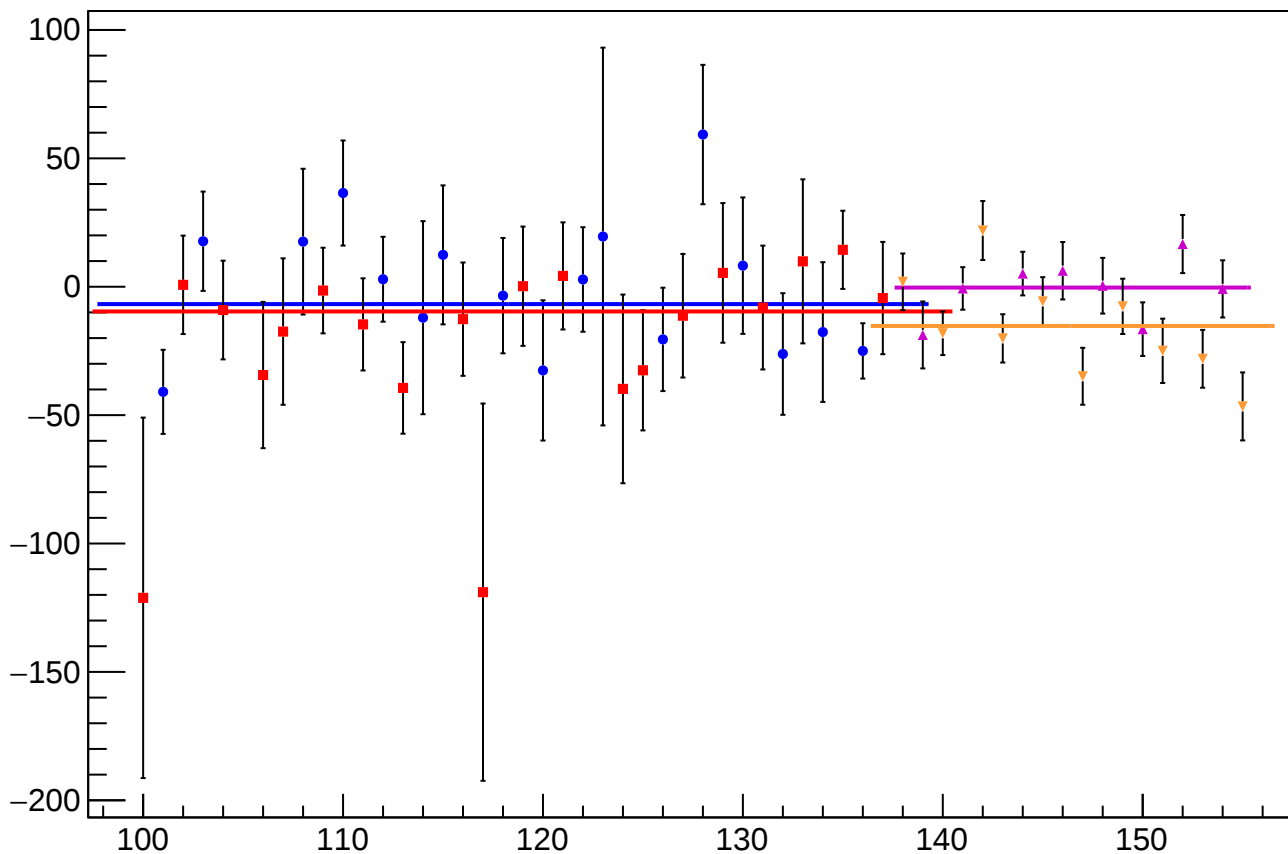
Right Out: 7682.786+/-2.090 χ^2 /NDF: 690901.2/19

Left In: 7086.863+/-2.002 χ^2 /NDF:368674.6/7

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

7371.939+/-1.446 χ^2 /NDF: 1101982.4/27

diff_bpm4ecX_mean vs Slug



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

Left Out: -15.268 ± 3.354 $\chi^2/\text{NDF}: 25.4/9$

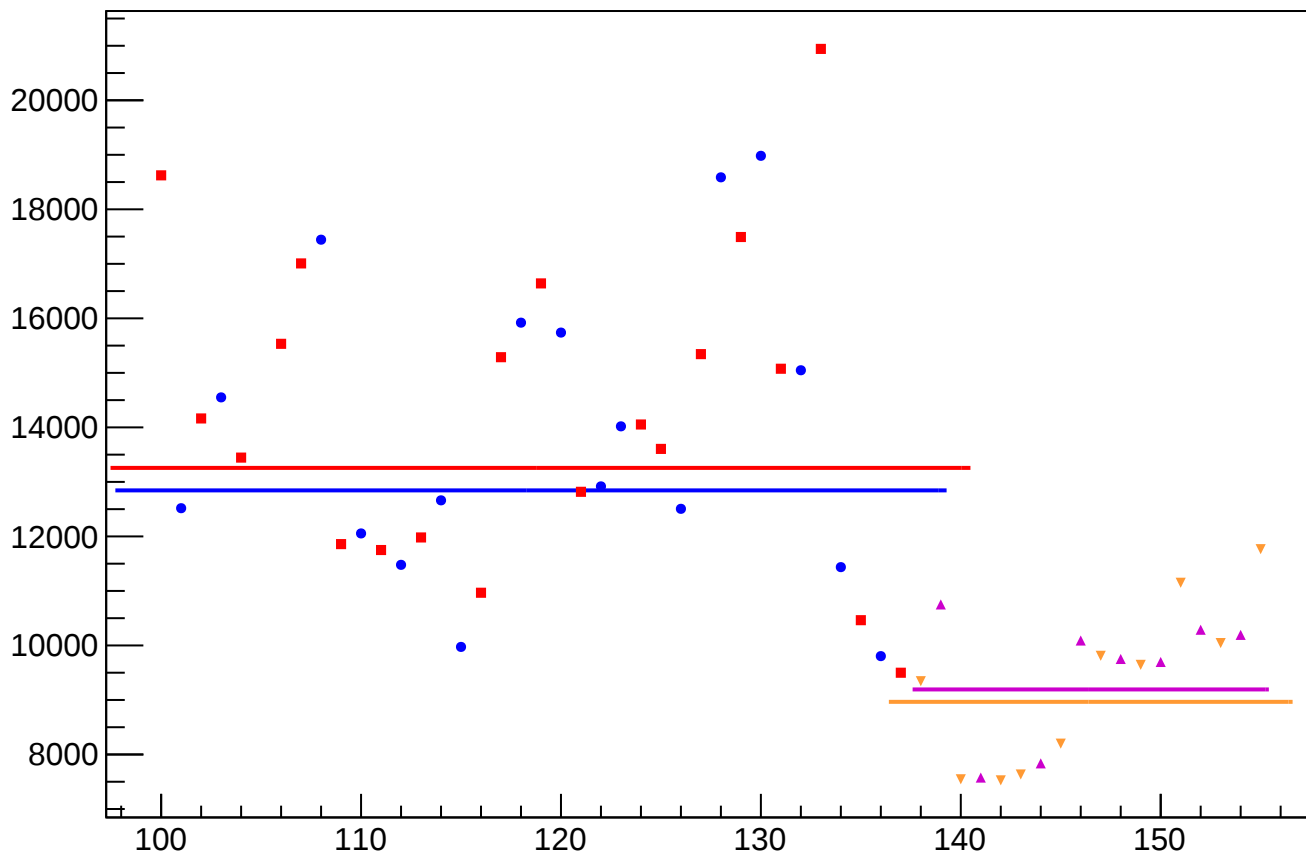
Right Out: -9.622 ± 5.058 $\chi^2/\text{NDF}: 14.5/19$

Left In: -0.322 ± 3.631 $\chi^2/\text{NDF}: 7.4/7$

-12.688 ± 2.800 $\chi^2/\text{NDF}: 51.0/26$

-3.484 ± 2.950 $\chi^2/\text{NDF}: 24.1/27$

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

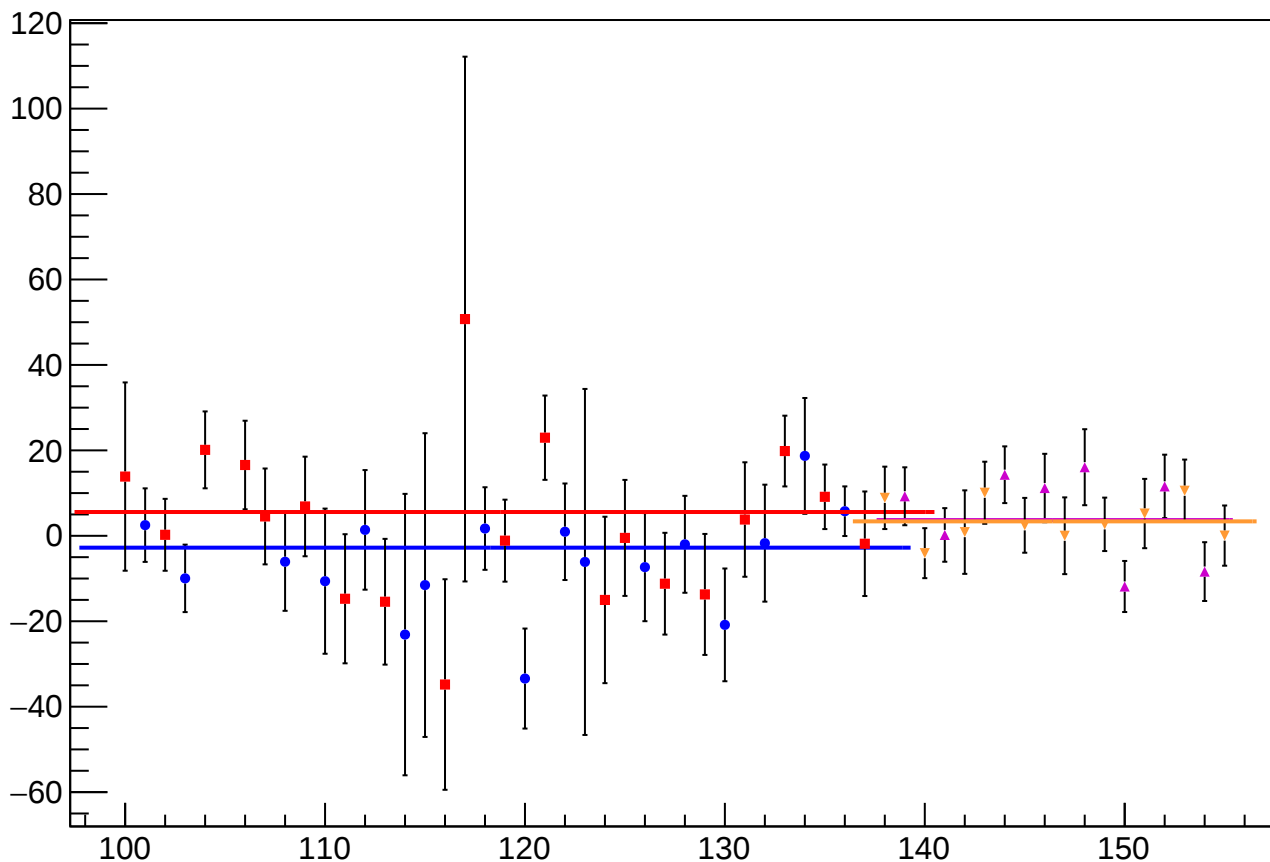
Right Out: 13256.926+/-3.577 χ^2/NDF : 487016.8/19

Left In: 9193.013+/-2.567 χ^2/NDF :213509.6/7

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

10574.707+/-2.086 χ^2/NDF : 1552518.9/27

diff_bpm4ecY_mean vs Slug



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

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

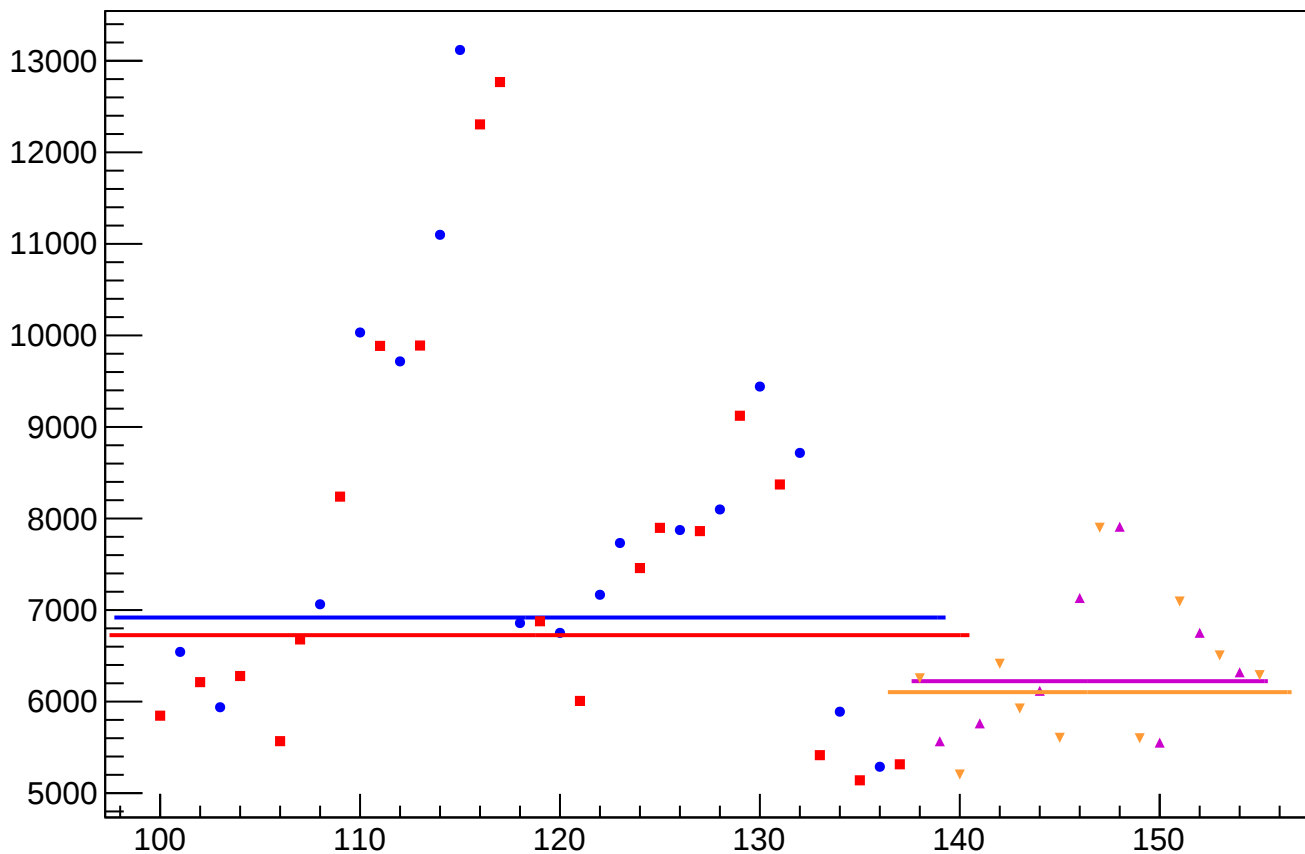
Right Out: 5.571 ± 2.585 $\chi^2/\text{NDF}: 23.7/19$

Left In: 3.685 ± 2.459 $\chi^2/\text{NDF}: 17.3/7$

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

4.581 ± 1.782 $\chi^2/\text{NDF}: 41.3/27$

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

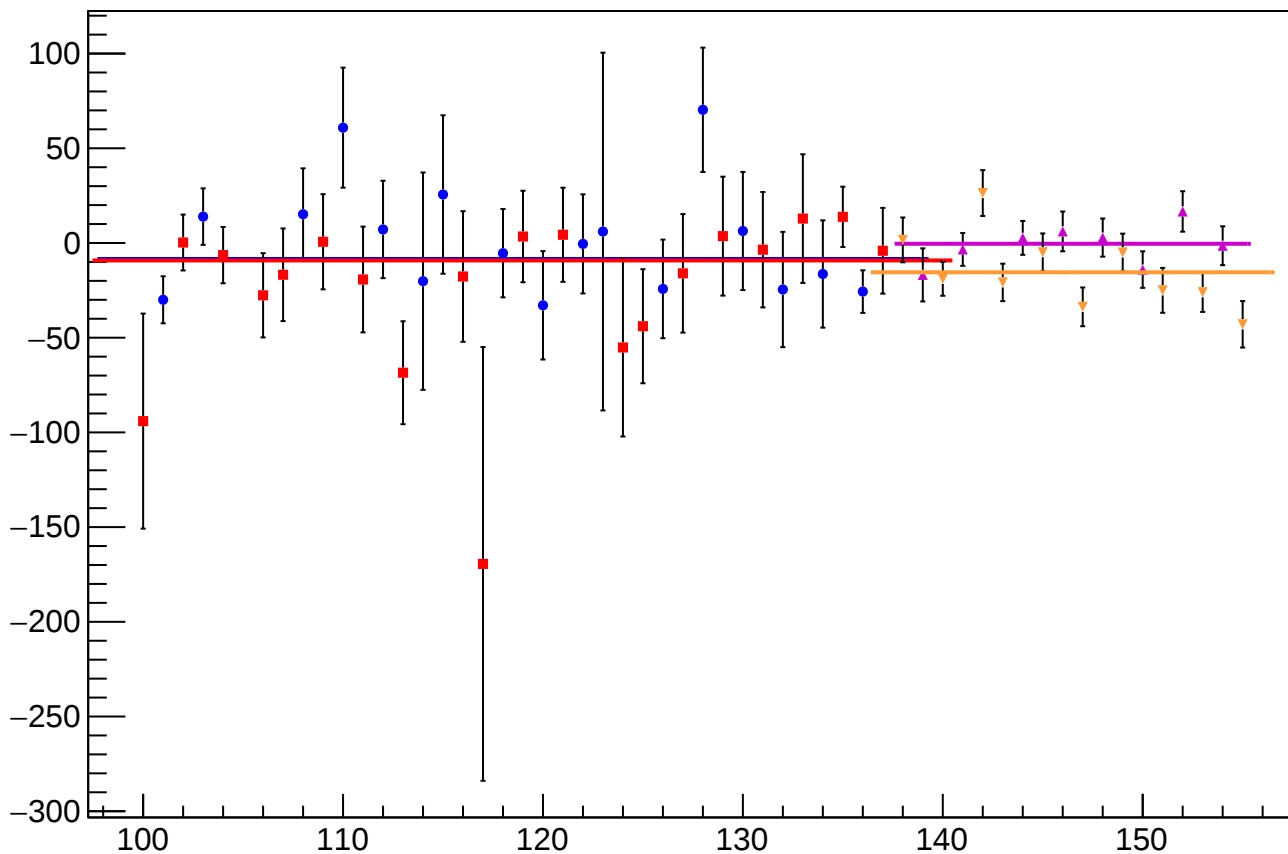
Right Out: 6725.745+/-1.828 χ^2/NDF : 675399.9/19

Left In: 6223.042+/-1.739 χ^2/NDF : 163503.4/7

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

6461.867+/-1.260 χ^2/NDF : 878601.9/27

diff_bpm1X_mean vs Slug



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

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

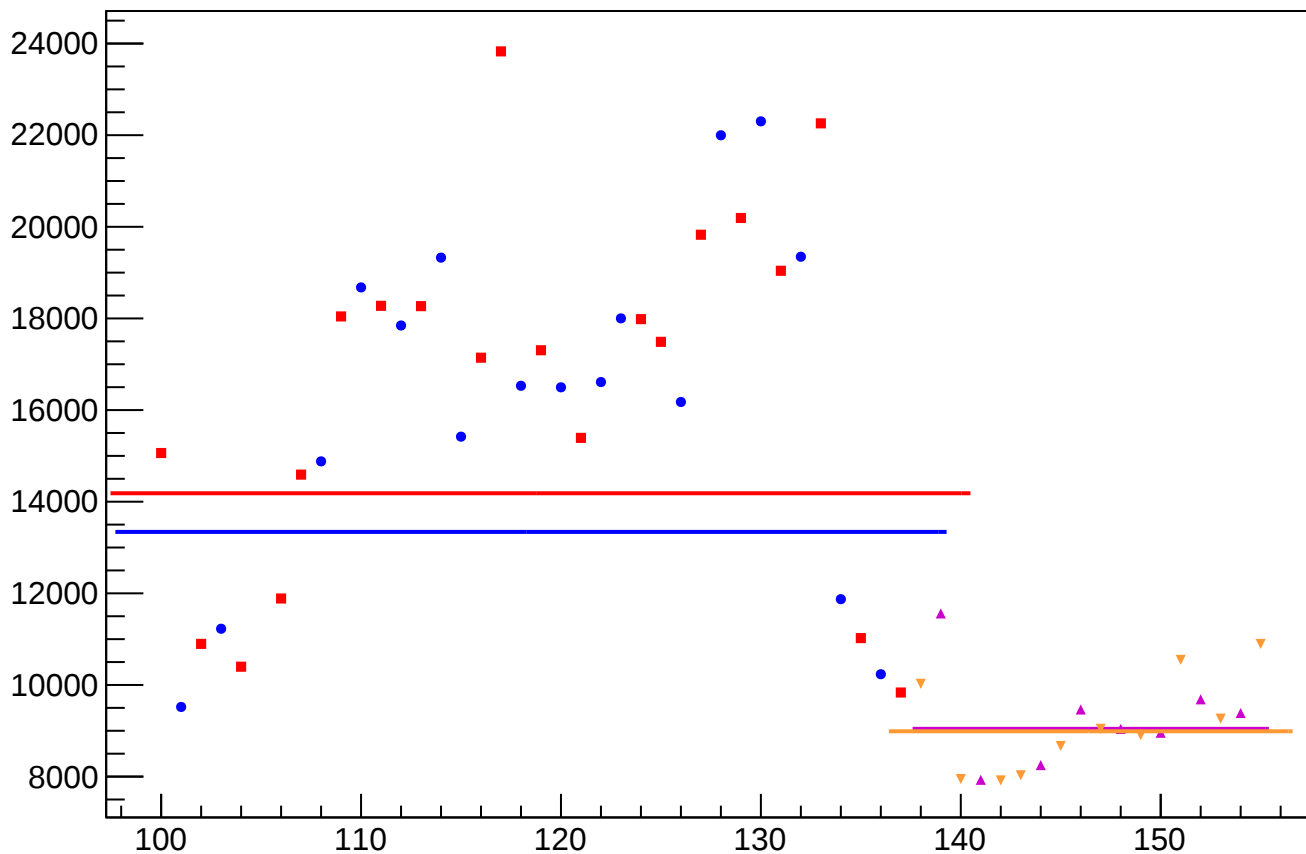
Right Out: -9.224 ± 5.502 $\chi^2/\text{NDF}: 16.2/19$

Left In: -0.407 ± 3.560 $\chi^2/\text{NDF}: 6.7/7$

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

-3.009 ± 2.989 $\chi^2/\text{NDF}: 24.7/27$

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

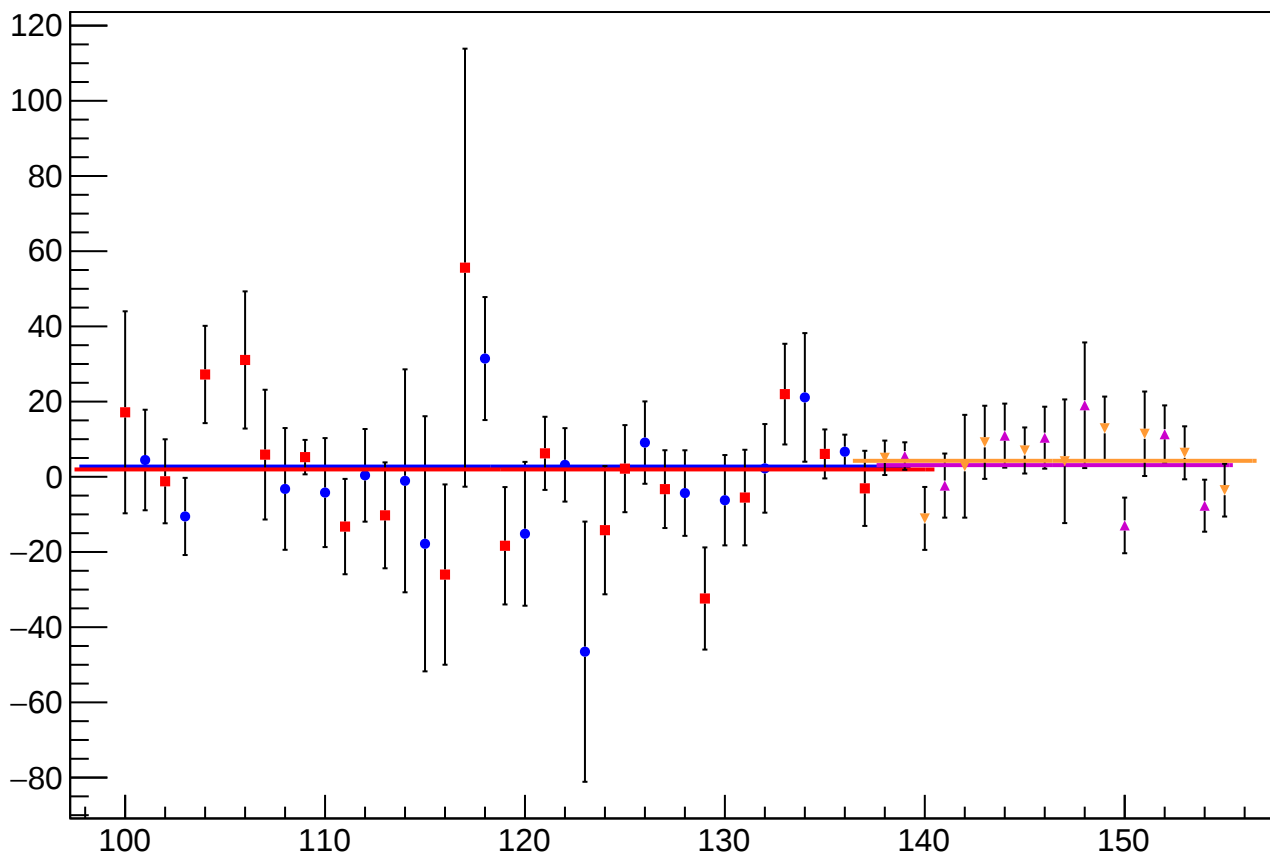
Right Out: 14184.146+/-3.891 χ^2/NDF : 946010.4/19

Left In: 9042.265+/-2.517 χ^2/NDF :126119.7/7

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

10559.588+/-2.113 χ^2/NDF : 2303434.8/27

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

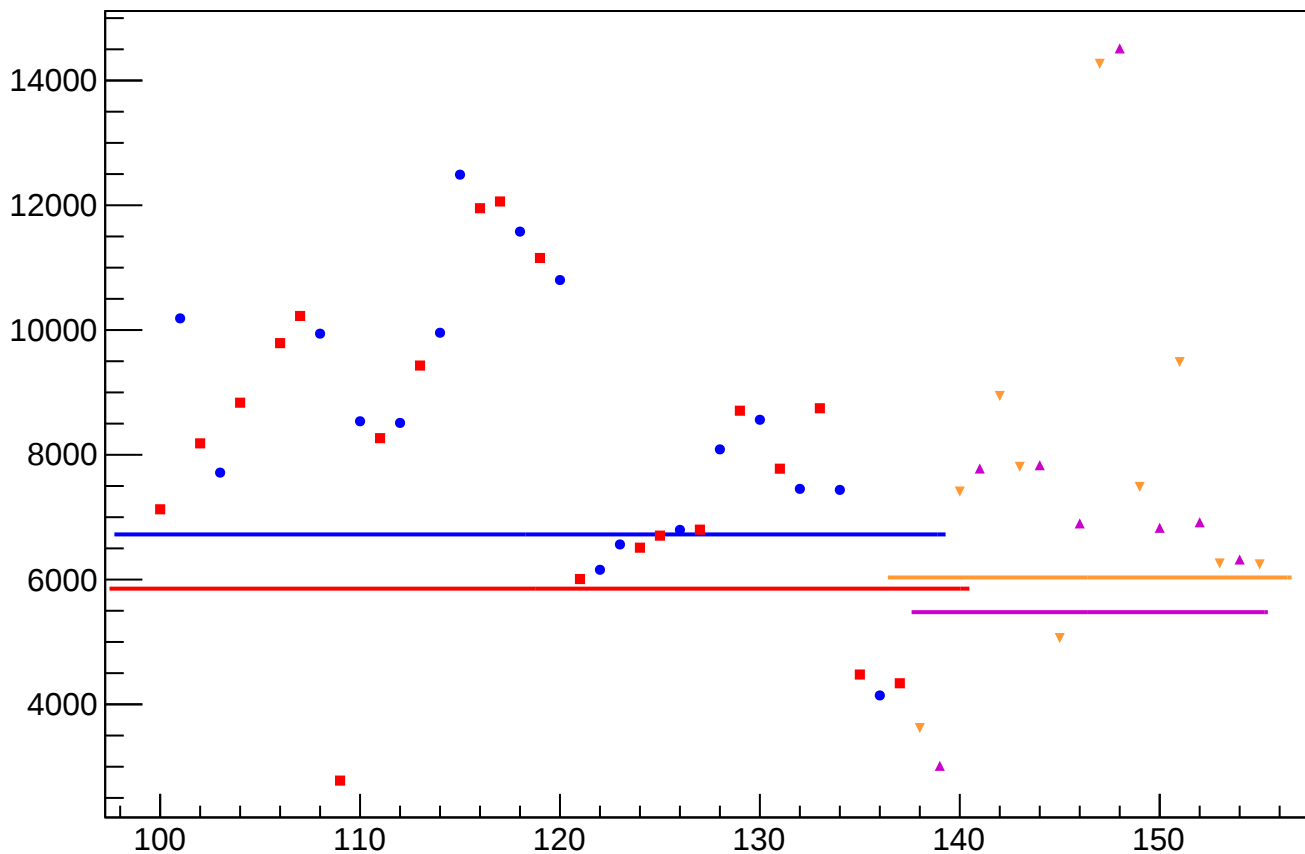
Right Out: 1.955 $\pm$ 2.437 χ^2 /NDF: 24.4/19

Left In: 3.101 $\pm$ 2.378 χ^2 /NDF: 11.7/7

3.580 $\pm$ 1.818 χ^2 /NDF: 18.5/26

2.542 $\pm$ 1.702 χ^2 /NDF: 36.2/27

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

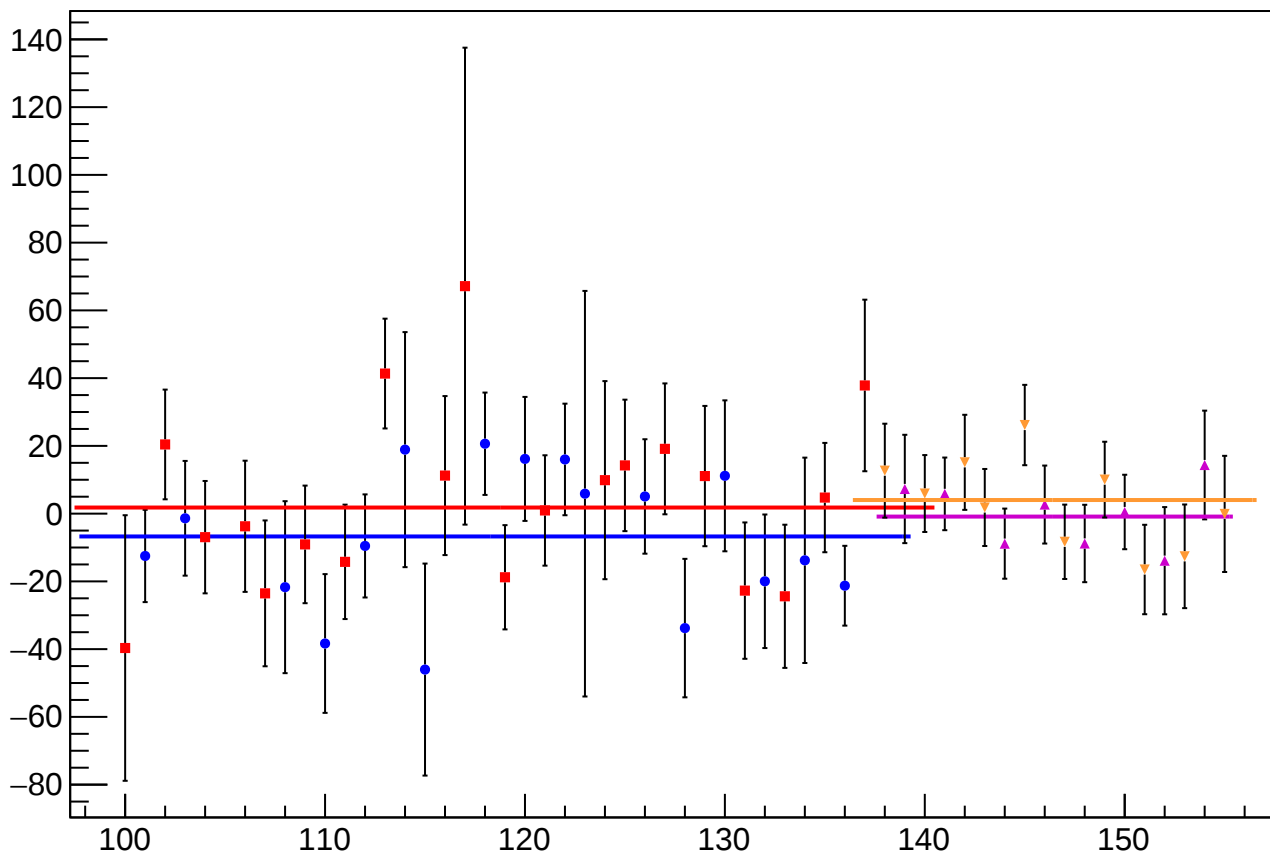
Right Out: 5854.708+/-1.723 χ^2/NDF : 2299964.9/19

Left In: 5477.528+/-1.681 χ^2/NDF :2019195.5/7

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

5661.497+/-1.203 χ^2/NDF : 4343706.6/27

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

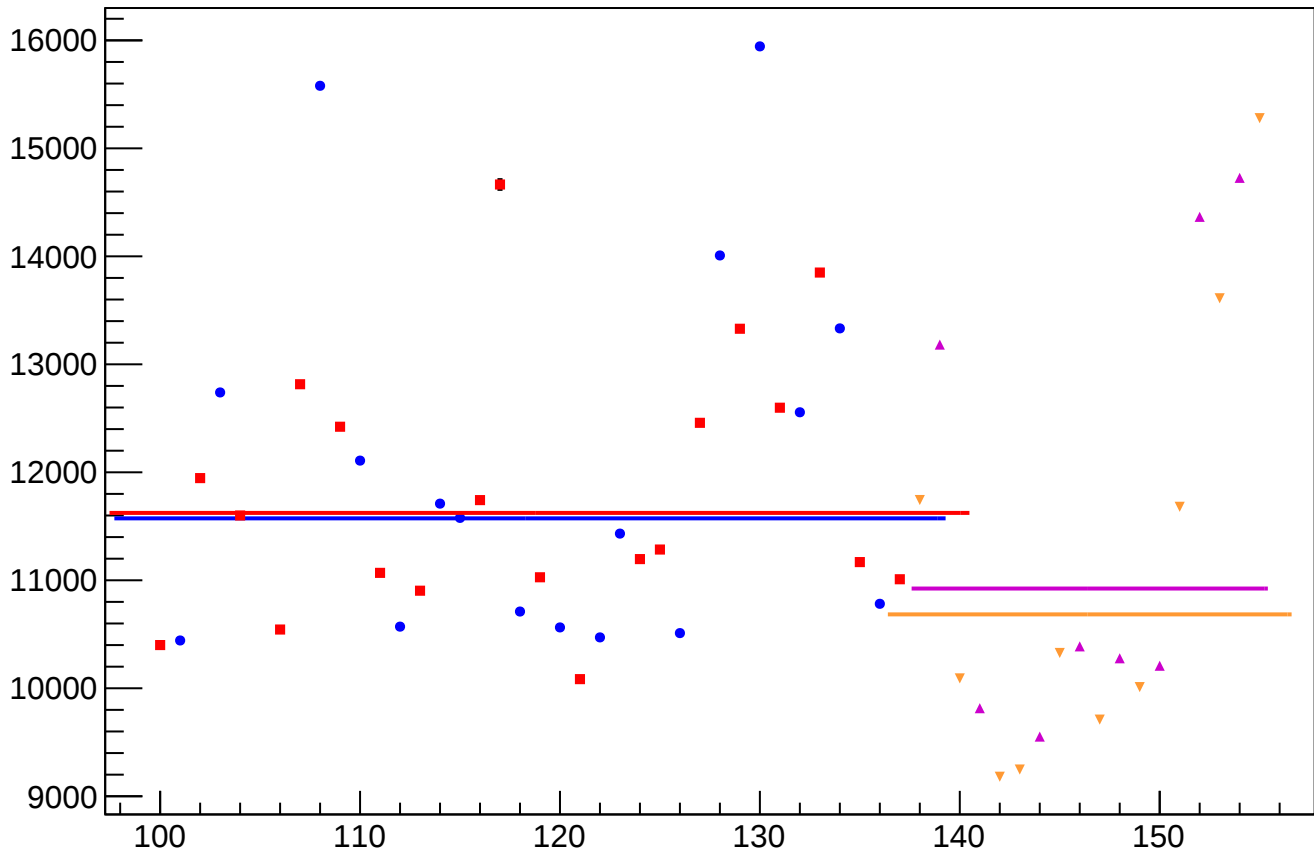
Right Out: 1.802+/-4.364 χ^2/NDF : 20.8/19

Left In: -0.870+/-4.331 χ^2/NDF : 3.4/7

-0.709+/-2.992 χ^2/NDF : 29.8/26

0.456+/-3.074 χ^2/NDF : 24.4/27

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

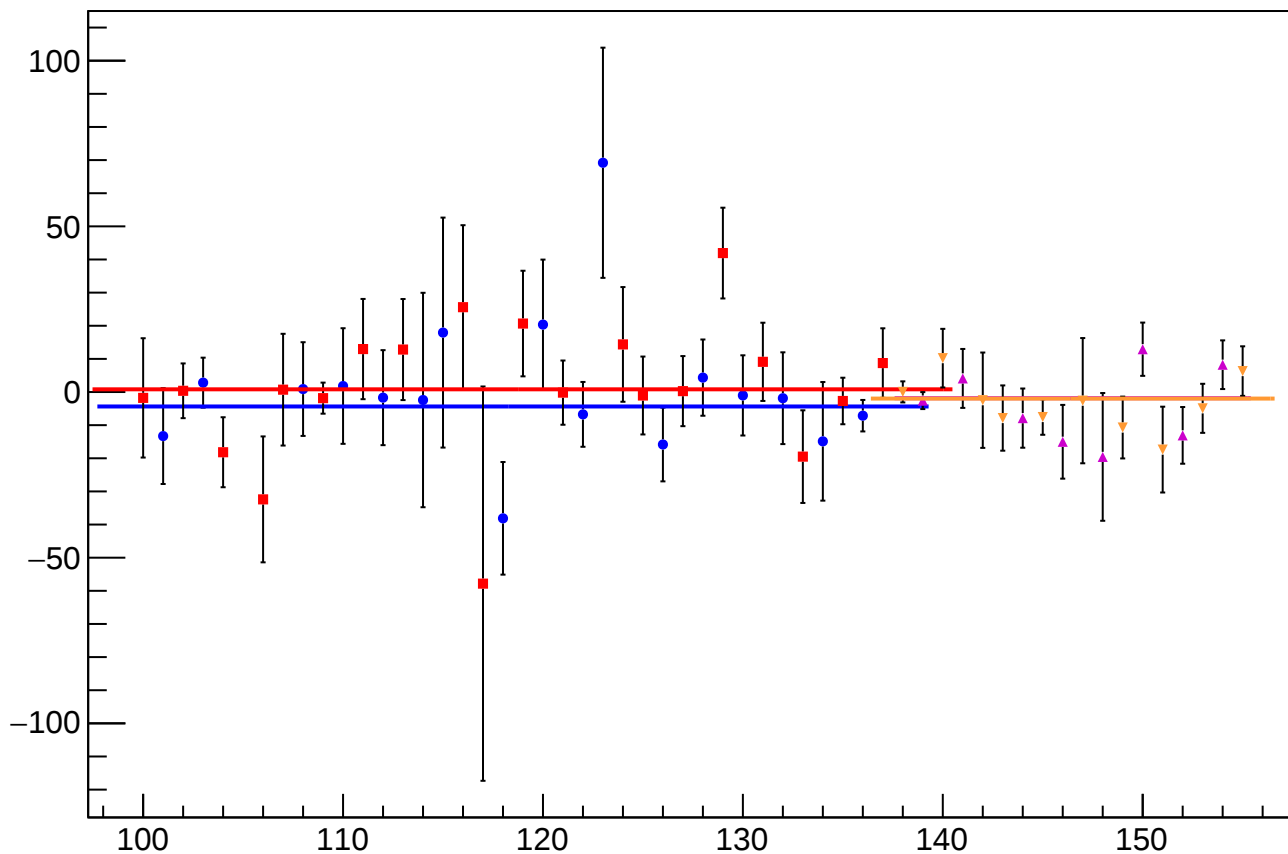
Right Out: 11623.951+/-3.086 χ^2/NDF : 98055.0/19

Left In: 10923.597+/-3.063 χ^2/NDF : 322475.2/7

11075.168+/-2.116 χ^2/NDF : 607349.6/26

11271.145+/-2.174 χ^2/NDF : 446479.4/27

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

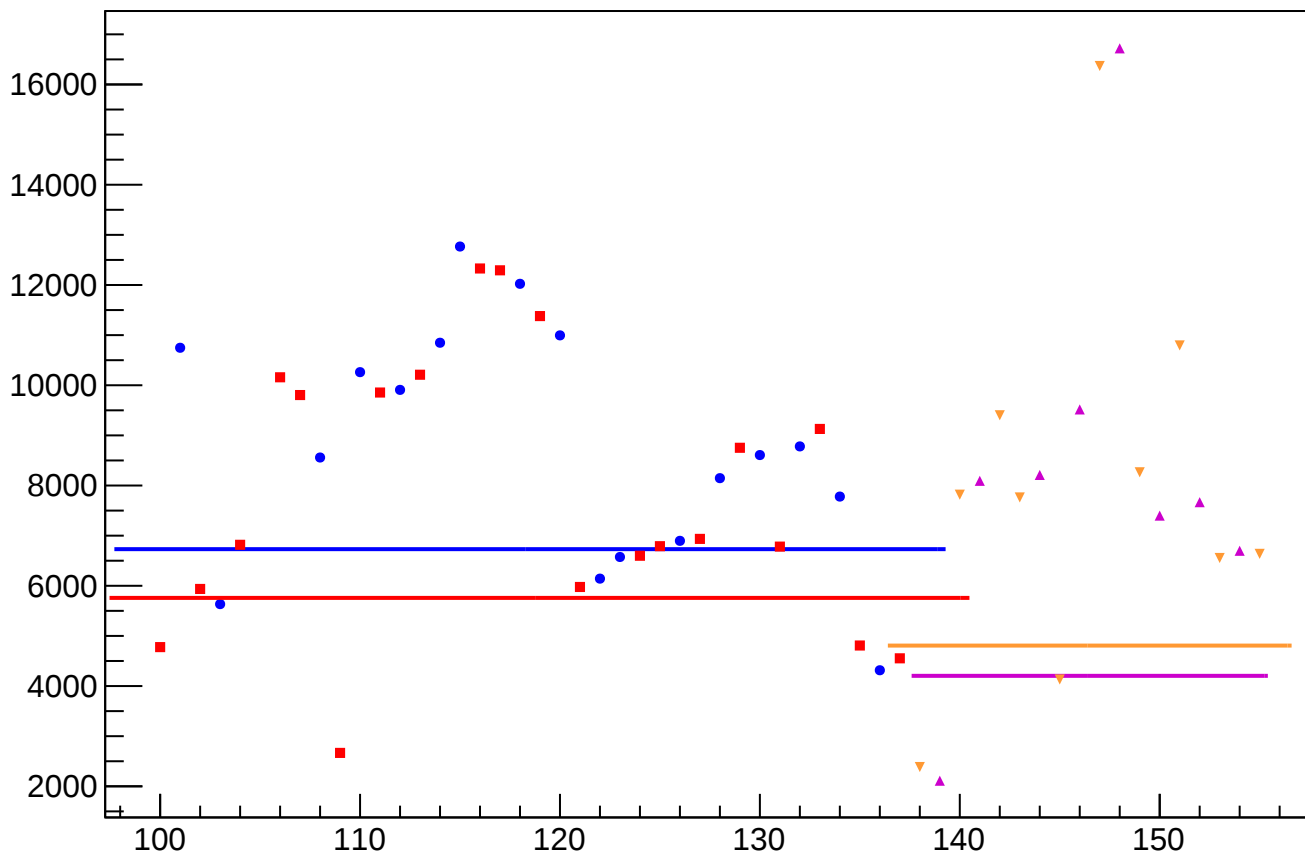
Right Out: 0.816 ± 2.424 χ^2/NDF : 24.5/19

Left In: -1.868 ± 2.058 χ^2/NDF : 10.2/7

-2.868 ± 1.695 χ^2/NDF : 22.4/26

-0.743 ± 1.569 χ^2/NDF : 35.4/27

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

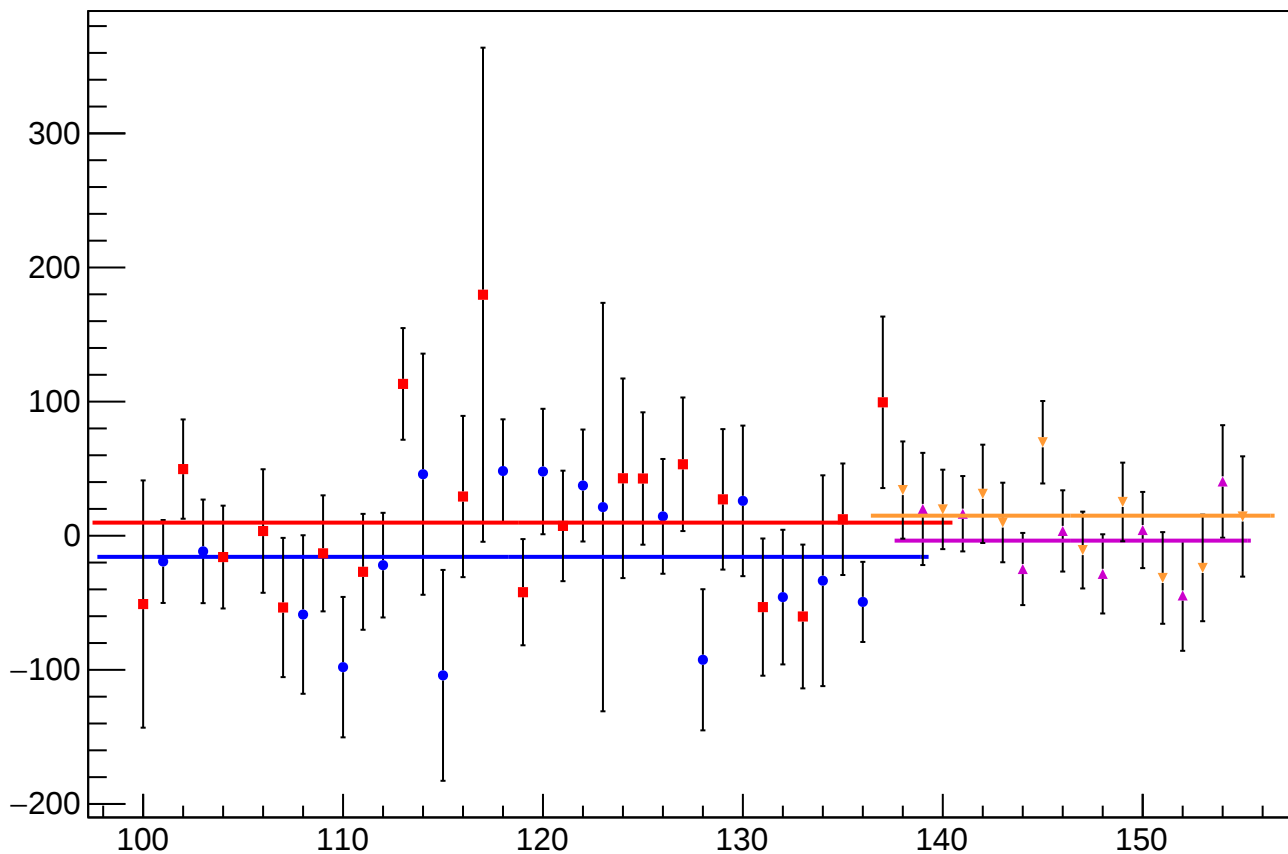
Right Out: 5758.506+/-1.714 χ^2/NDF : 2186395.0/19

Left In: 4203.846+/-1.455 χ^2/NDF :4292907.5/7

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

4855.113+/-1.109 χ^2/NDF : 6957326.5/27

diff_bpm12X_mean vs Slug



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

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

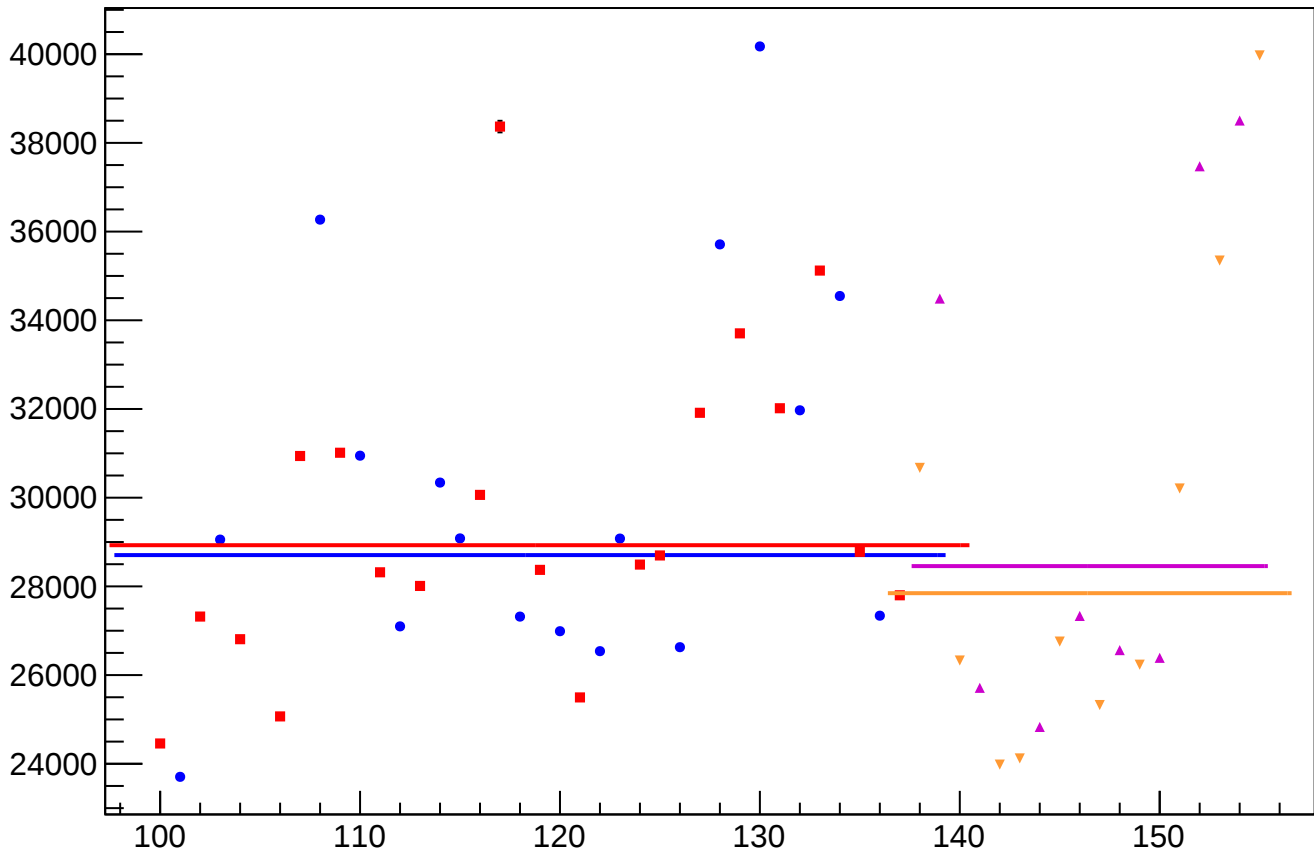
Right Out: 9.773 ± 10.870 $\chi^2/\text{NDF}: 20.1/19$

Left In: -3.650 ± 11.287 $\chi^2/\text{NDF}: 4.4/7$

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

3.314 ± 7.829 $\chi^2/\text{NDF}: 25.2/27$

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

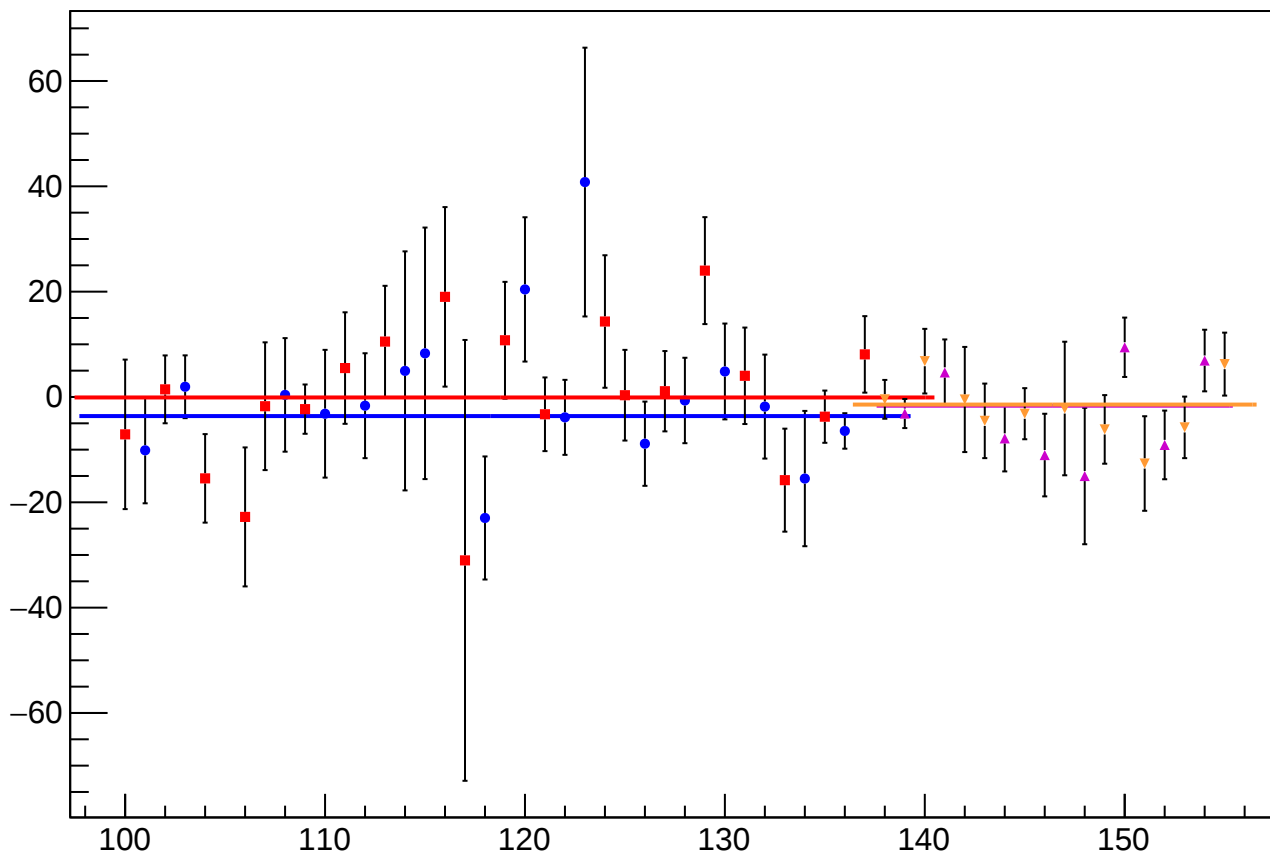
28244.932+/-5.396 χ^2/NDF : 579552.0/26

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

28701.758+/-5.536 χ^2/NDF : 446930.3/27

Left In: 28457.289+/-7.981 χ^2/NDF : 328639.2/7

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

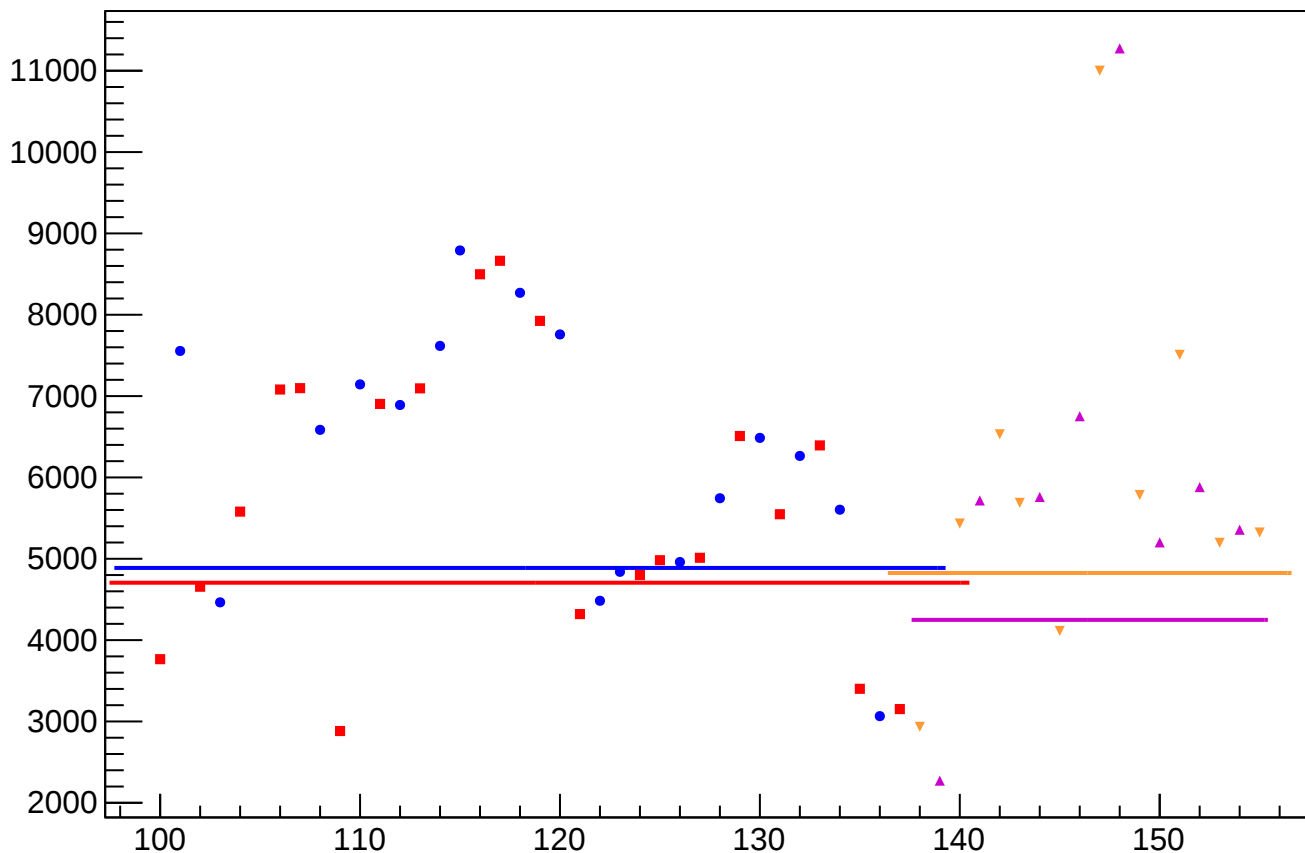
Right Out: -0.090 ± 1.888 χ^2/NDF : 22.6/19

Left In: -1.653 ± 1.862 χ^2/NDF : 12.1/7

-2.483 ± 1.386 χ^2/NDF : 20.8/26

-0.883 ± 1.326 χ^2/NDF : 35.1/27

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

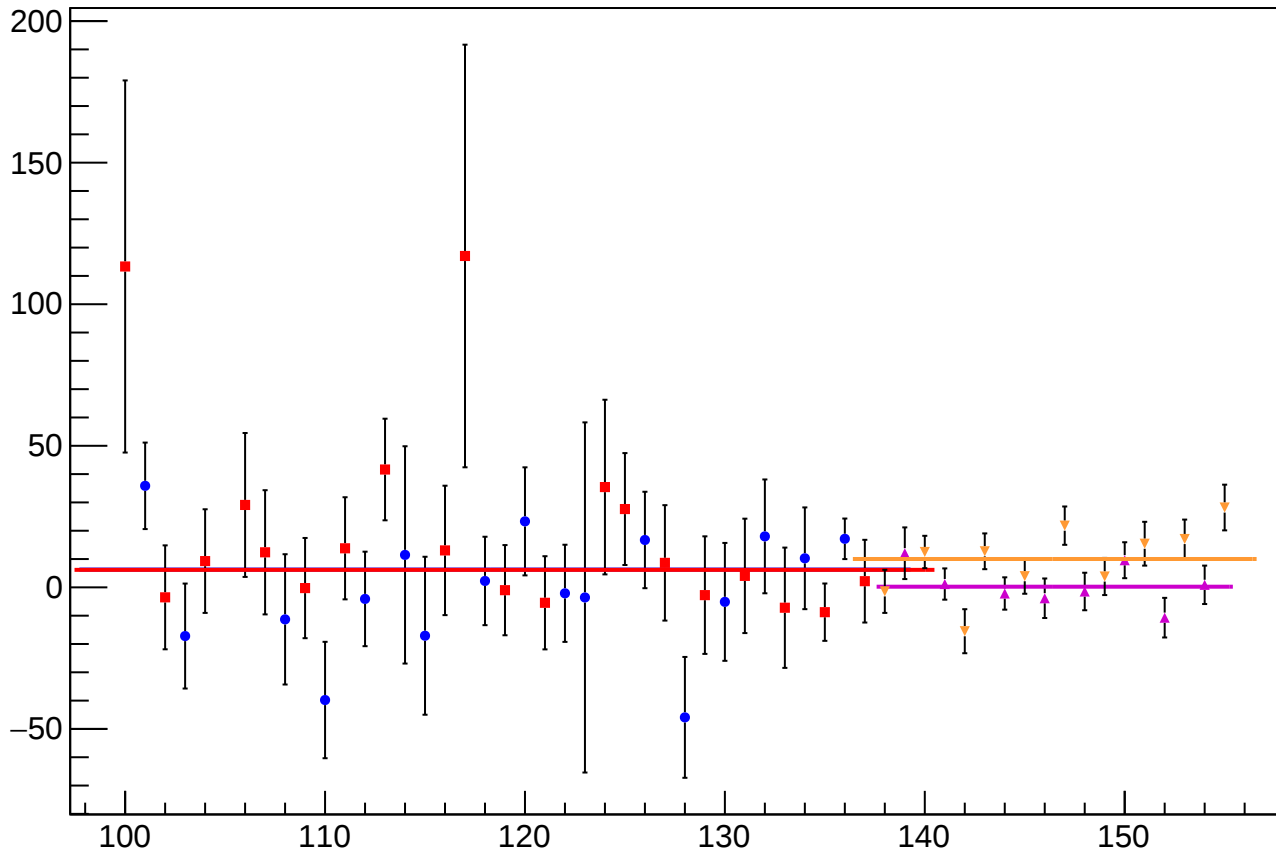
Right Out: 4705.797+/-1.335 χ^2/NDF : 1331043.3/19

Left In: 4249.035+/-1.316 χ^2/NDF :2297020.4/7

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

4474.197+/-0.937 χ^2/NDF : 3687416.2/27

diff_bpm16X_mean vs Slug



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

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

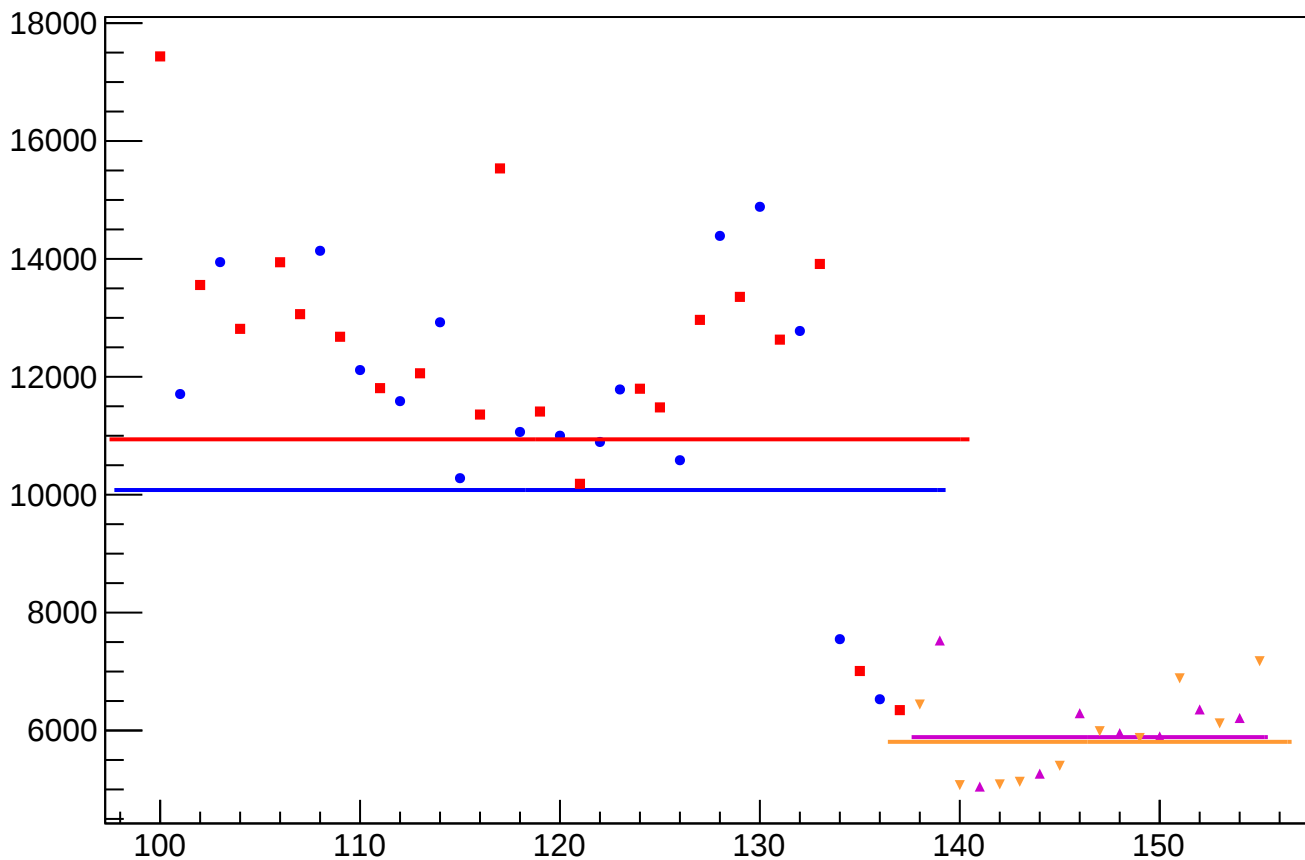
Right Out: 6.182 ± 4.212 $\chi^2/\text{NDF}: 16.0/19$

Left In: 0.234 ± 2.320 $\chi^2/\text{NDF}: 6.9/7$

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

1.619 ± 2.032 $\chi^2/\text{NDF}: 24.5/27$

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

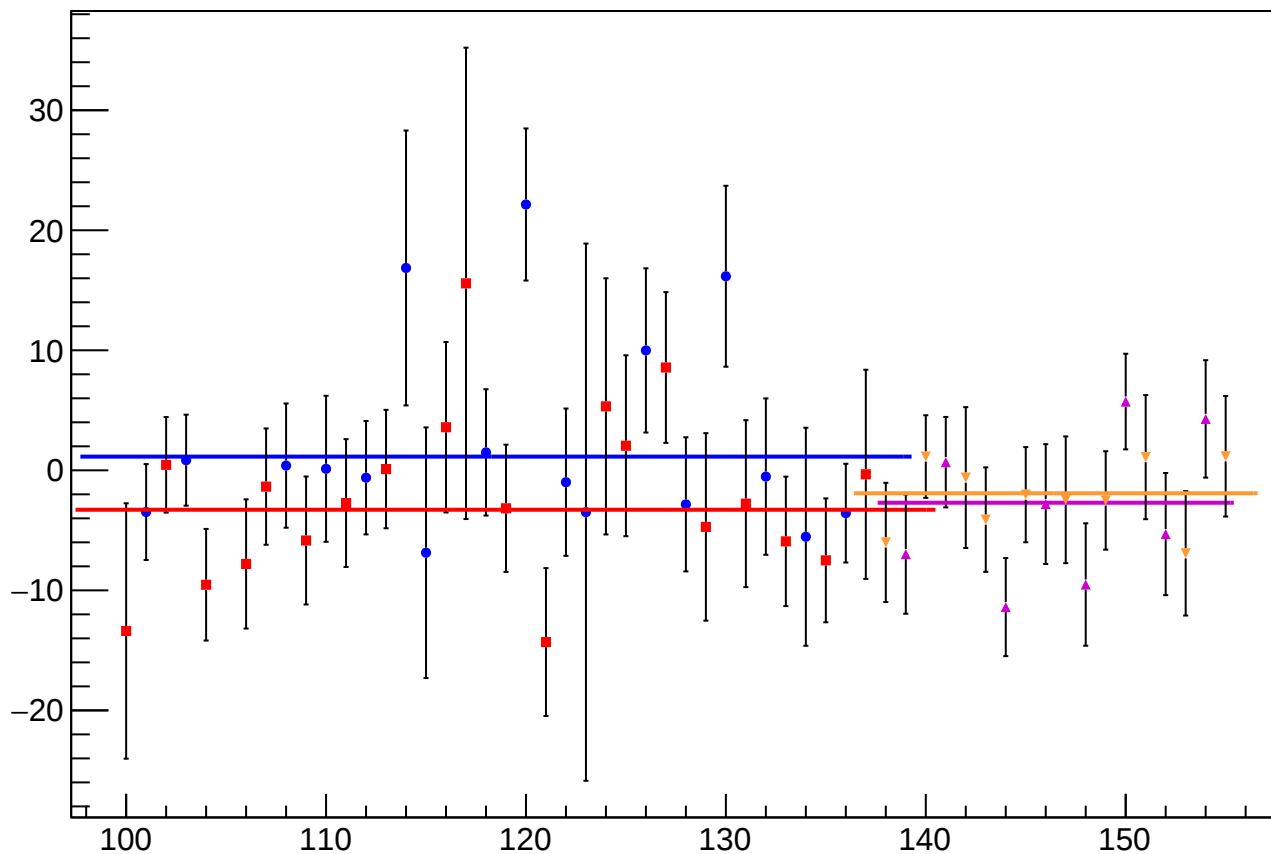
Right Out: 10939.227 $\pm$ 2.979 χ^2 /NDF: 776055.3/19

Left In: 5887.505 $\pm$ 1.641 χ^2 /NDF:154871.8/7

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

7063.436 $\pm$ 1.437 χ^2 /NDF: 3137807.3/27

diff_bpm16Y_mean vs Slug



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

Left Out: -1.911 ± 1.443 χ^2/NDF : 3.5/9

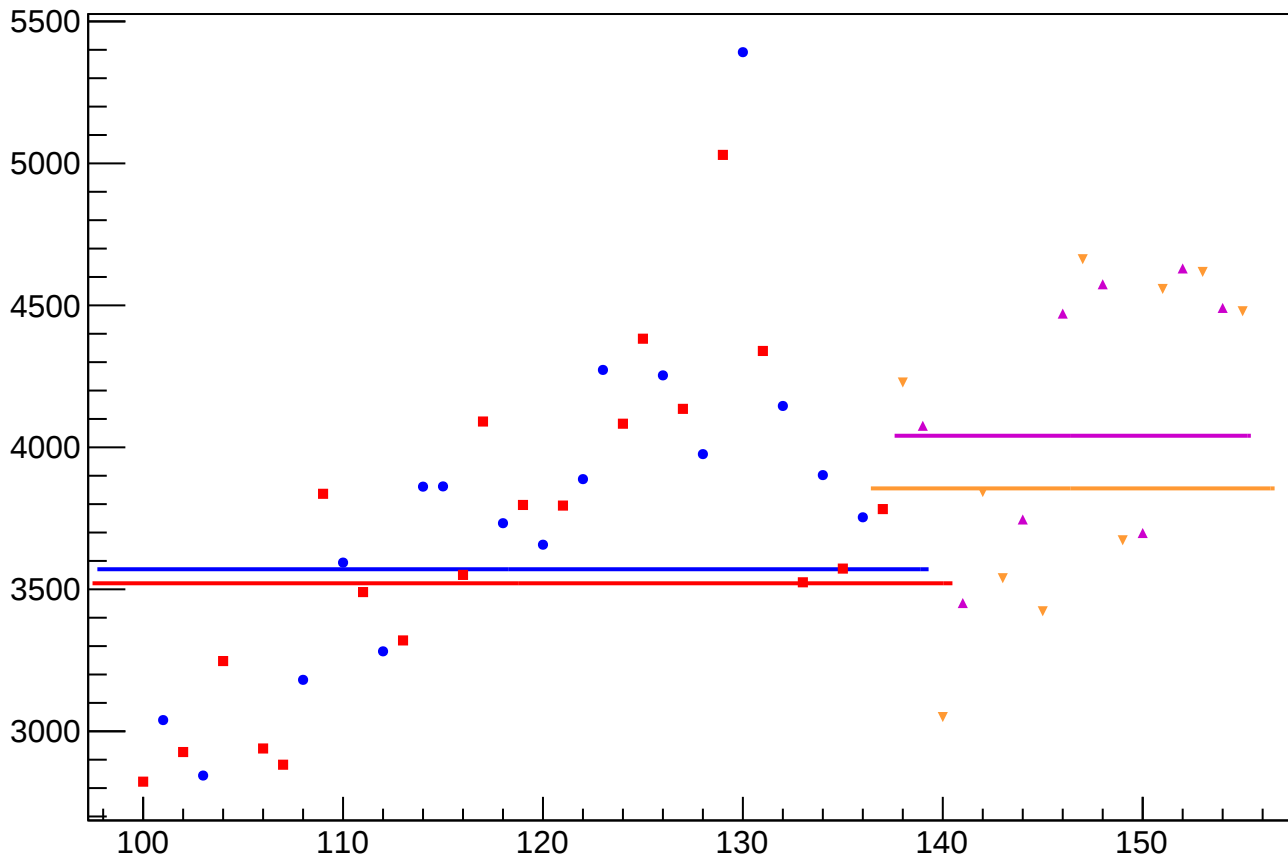
Right Out: -3.284 ± 1.330 χ^2/NDF : 16.0/19

Left In: -2.700 ± 1.595 χ^2/NDF : 14.6/7

-0.333 ± 1.003 χ^2/NDF : 29.0/26

-3.045 ± 1.022 χ^2/NDF : 30.7/27

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

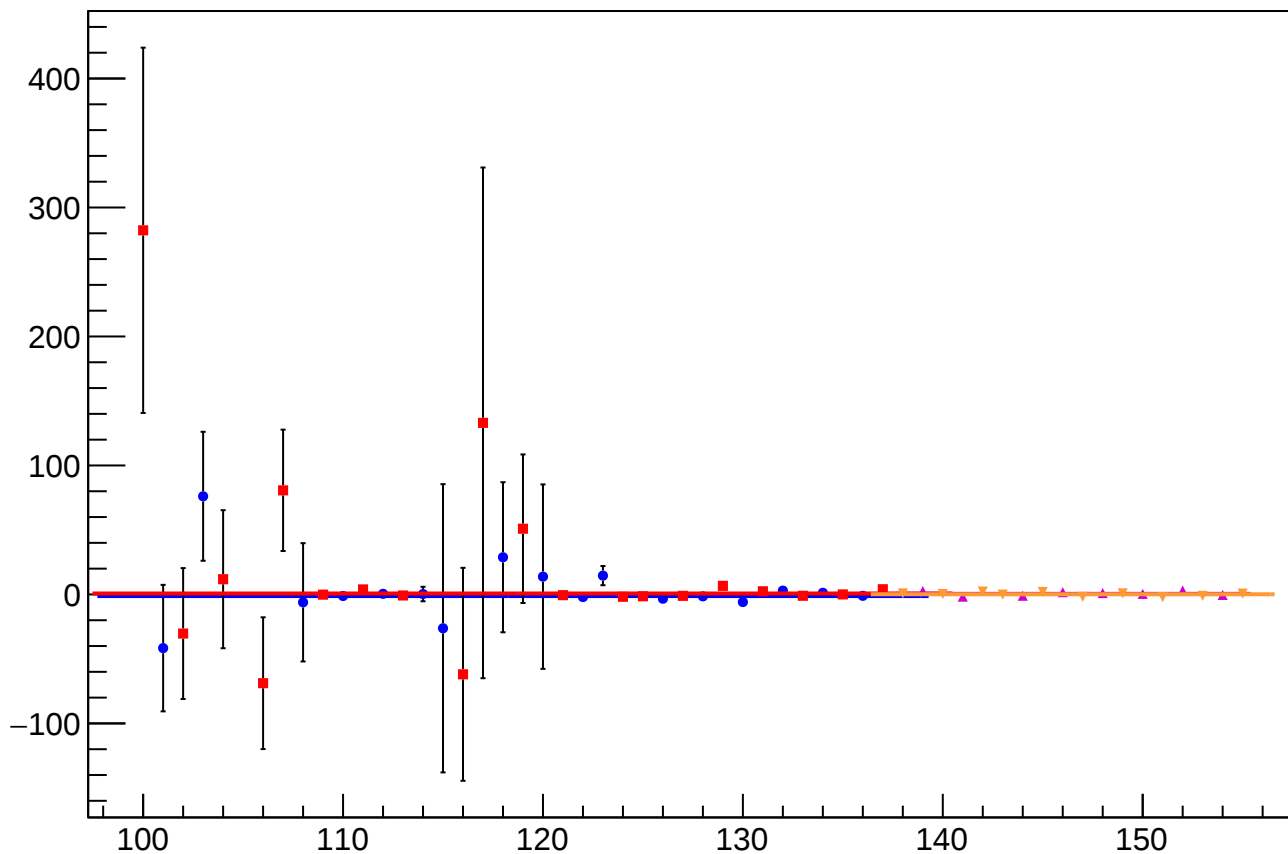
Right Out: 3521.247+/-0.941 χ^2/NDF : 294919.2/19

Left In: 4040.853+/-1.128 χ^2/NDF : 154738.9/7

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

3734.335+/-0.722 χ^2/NDF : 574828.5/27

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

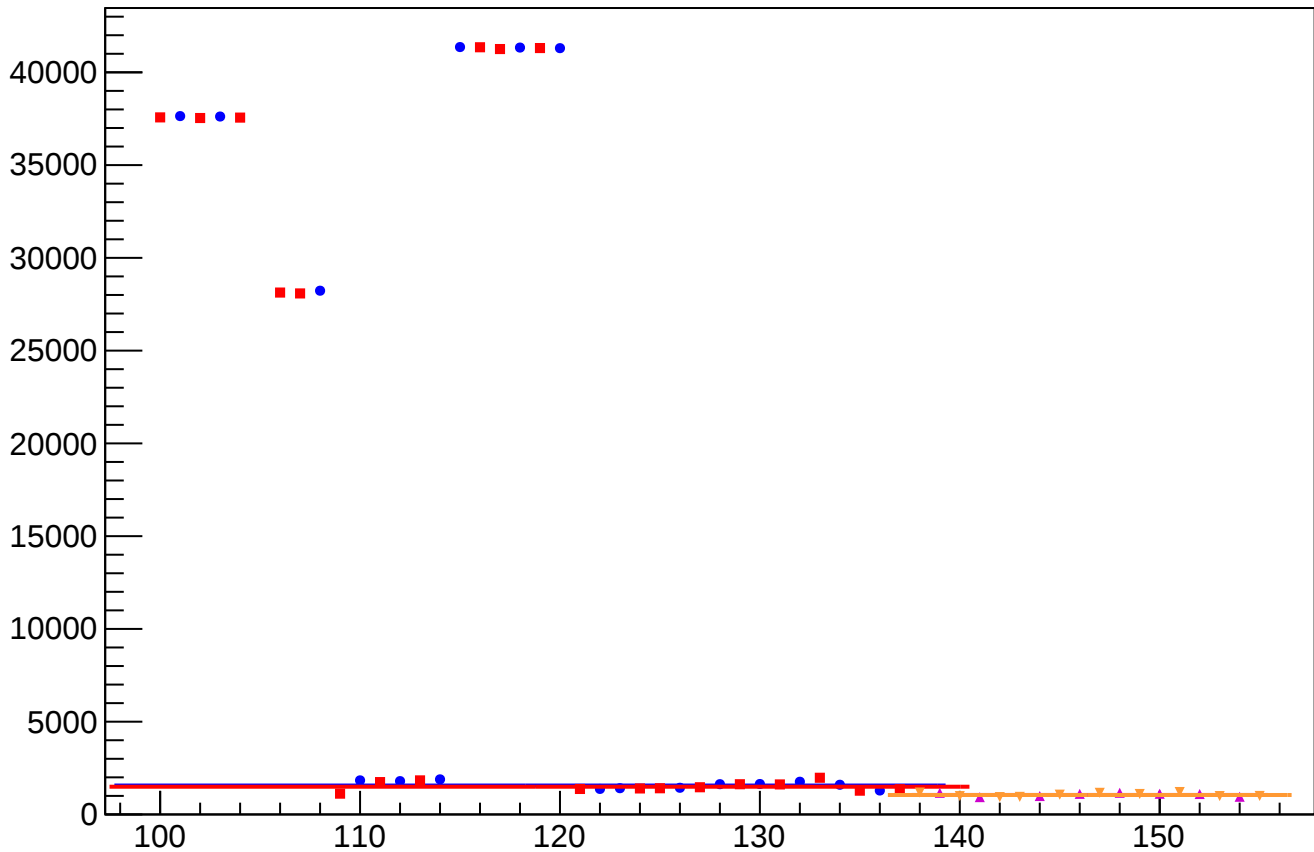
Right Out: 0.735+/-0.710 χ^2/NDF : 22.5/19

Left In: 0.450+/-0.414 χ^2/NDF : 15.1/7

-0.162+/-0.345 χ^2/NDF : 30.6/26

0.522+/-0.357 χ^2/NDF : 37.8/27

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

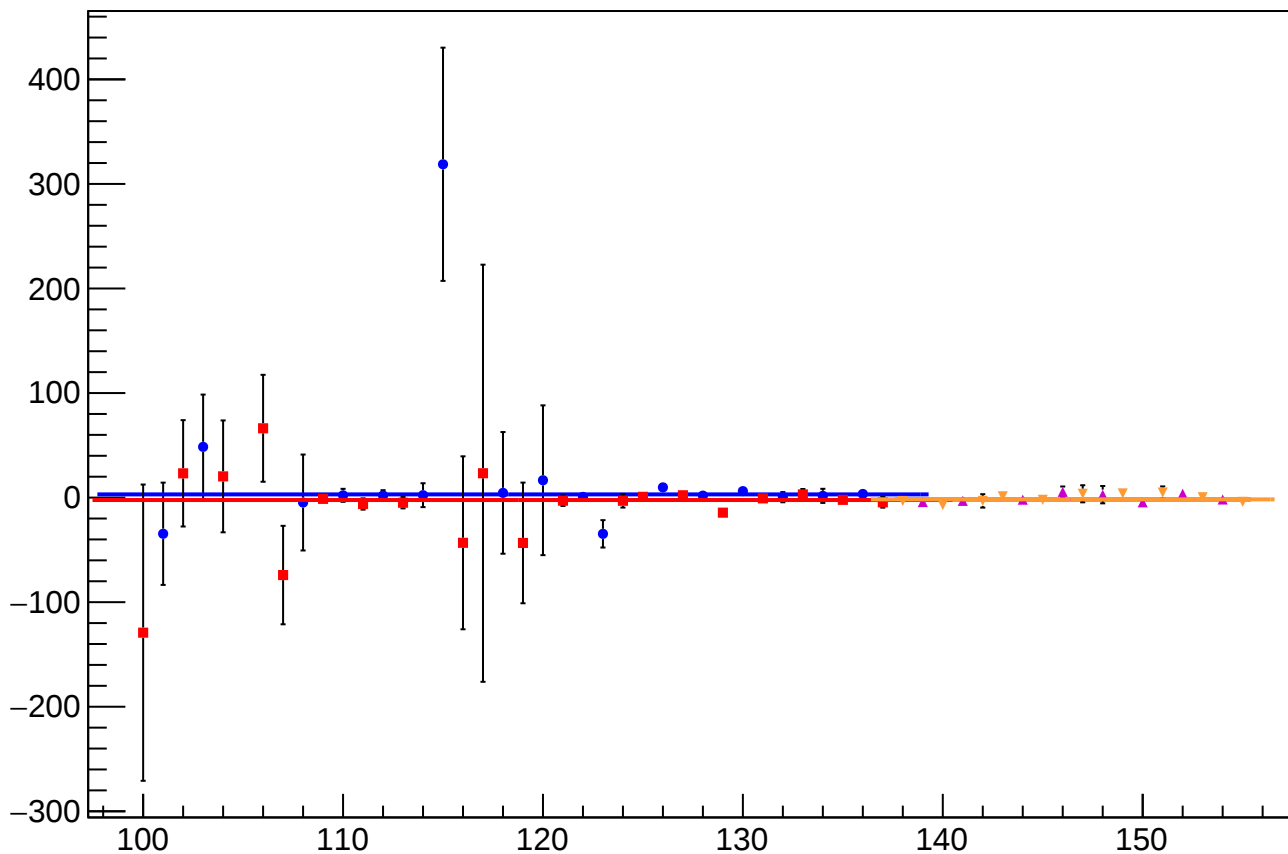
1157.282+/-0.244 χ^2/NDF : 5596590.2/26

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

1163.425+/-0.253 χ^2/NDF : 5650702.9/27

Left In: 1050.961+/-0.292 χ^2/NDF : 93048.6/7

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

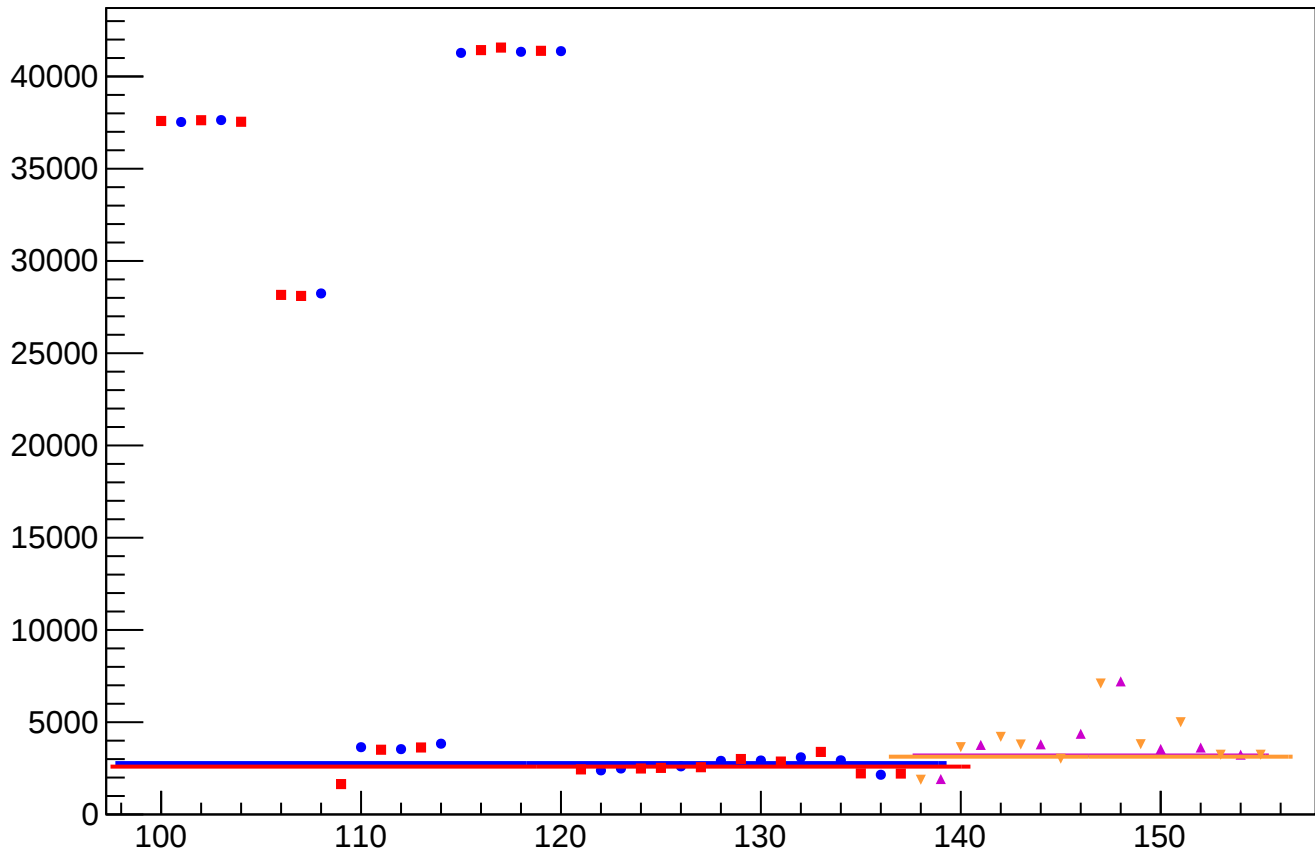
Right Out: -2.305 ± 1.235 χ^2/NDF : 16.9/19

Left In: -1.813 ± 1.338 χ^2/NDF : 5.9/7

0.535 ± 0.904 χ^2/NDF : 35.6/26

-2.079 ± 0.907 χ^2/NDF : 22.9/27

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

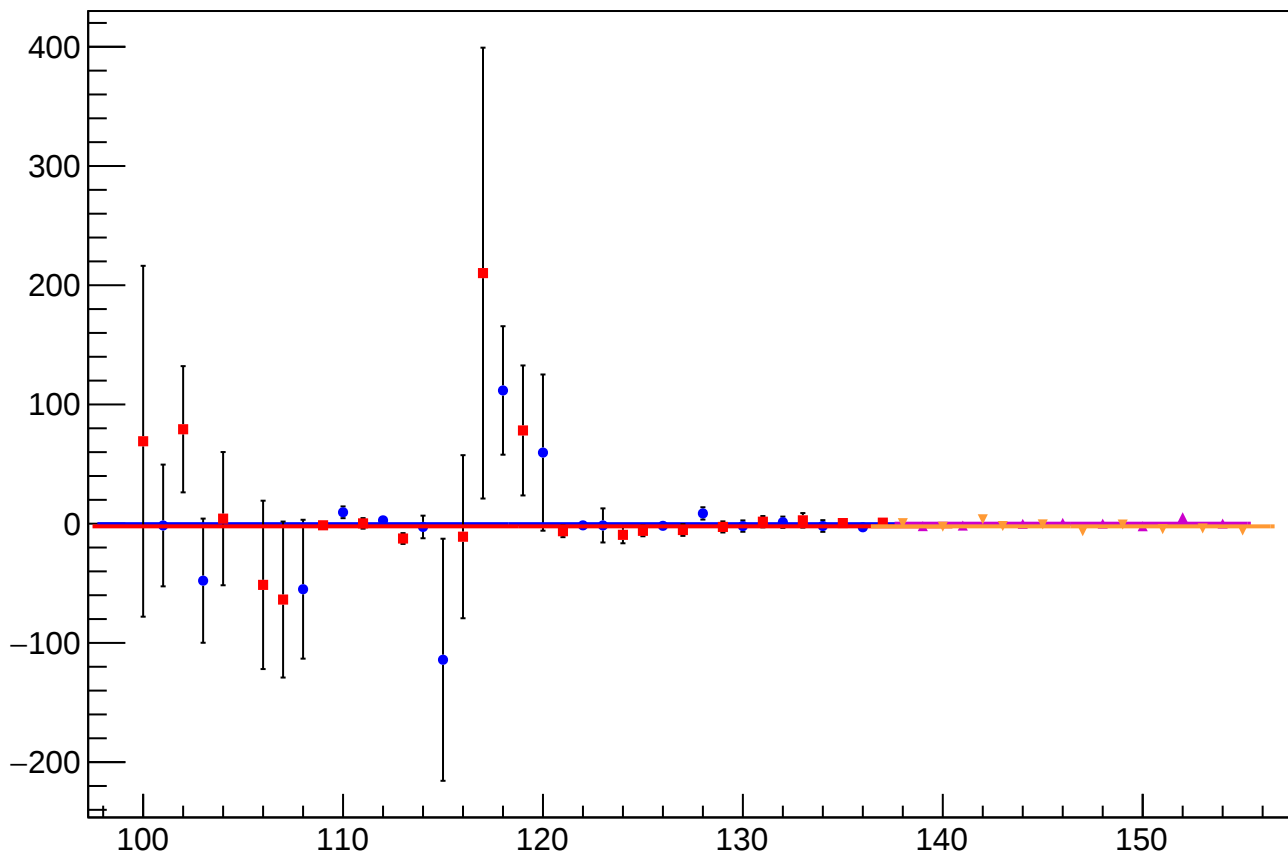
Right Out: 2592.654+/-0.873 χ^2/NDF : 4923077.9/19

Left In: 3195.882+/-0.946 χ^2/NDF : 1281297.1/7

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

2870.061+/-0.642 χ^2/NDF : 6423980.4/27

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

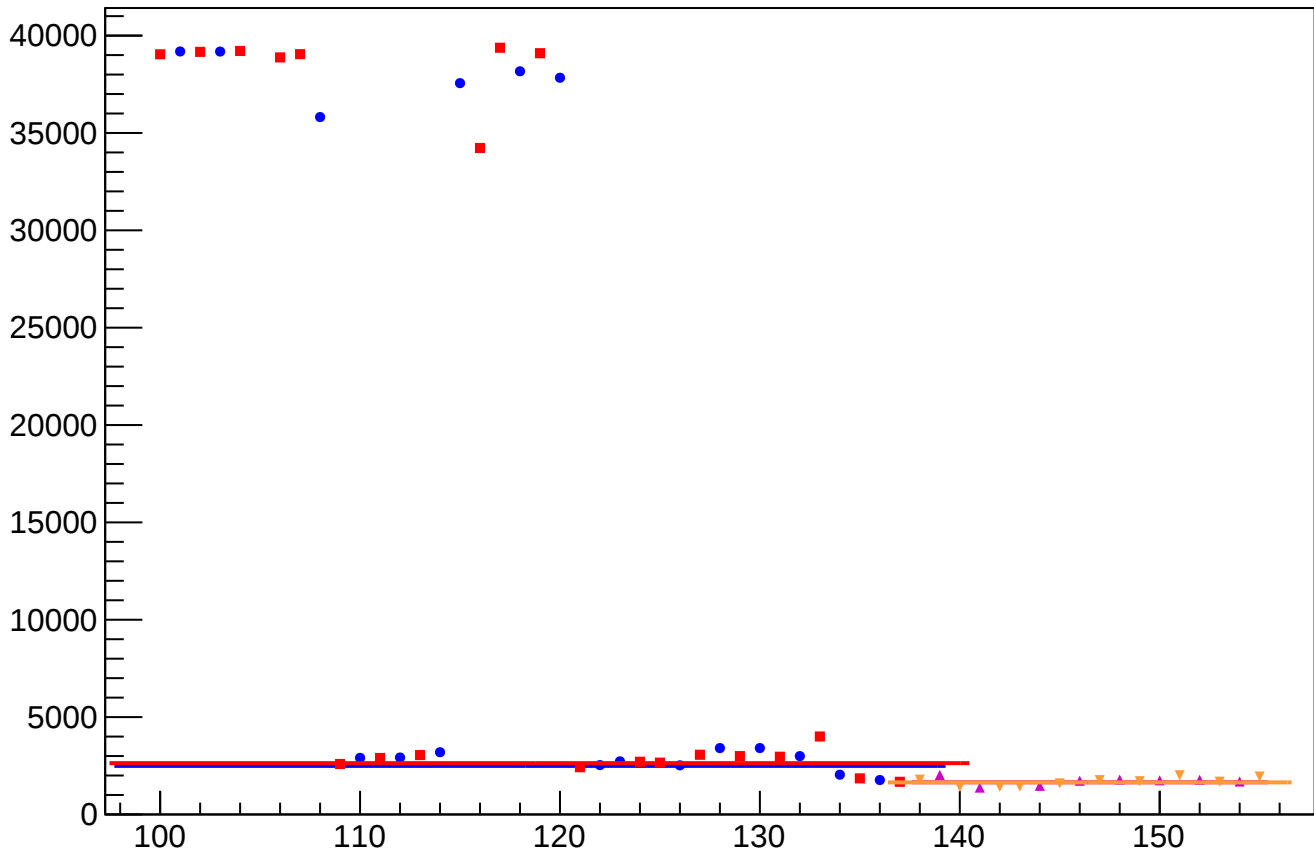
Right Out: -2.235 ± 1.246 χ^2/NDF : 18.7/19

Left In: -0.011 ± 0.652 χ^2/NDF : 10.8/7

-1.869 ± 0.547 χ^2/NDF : 39.3/26

-0.490 ± 0.578 χ^2/NDF : 32.0/27

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

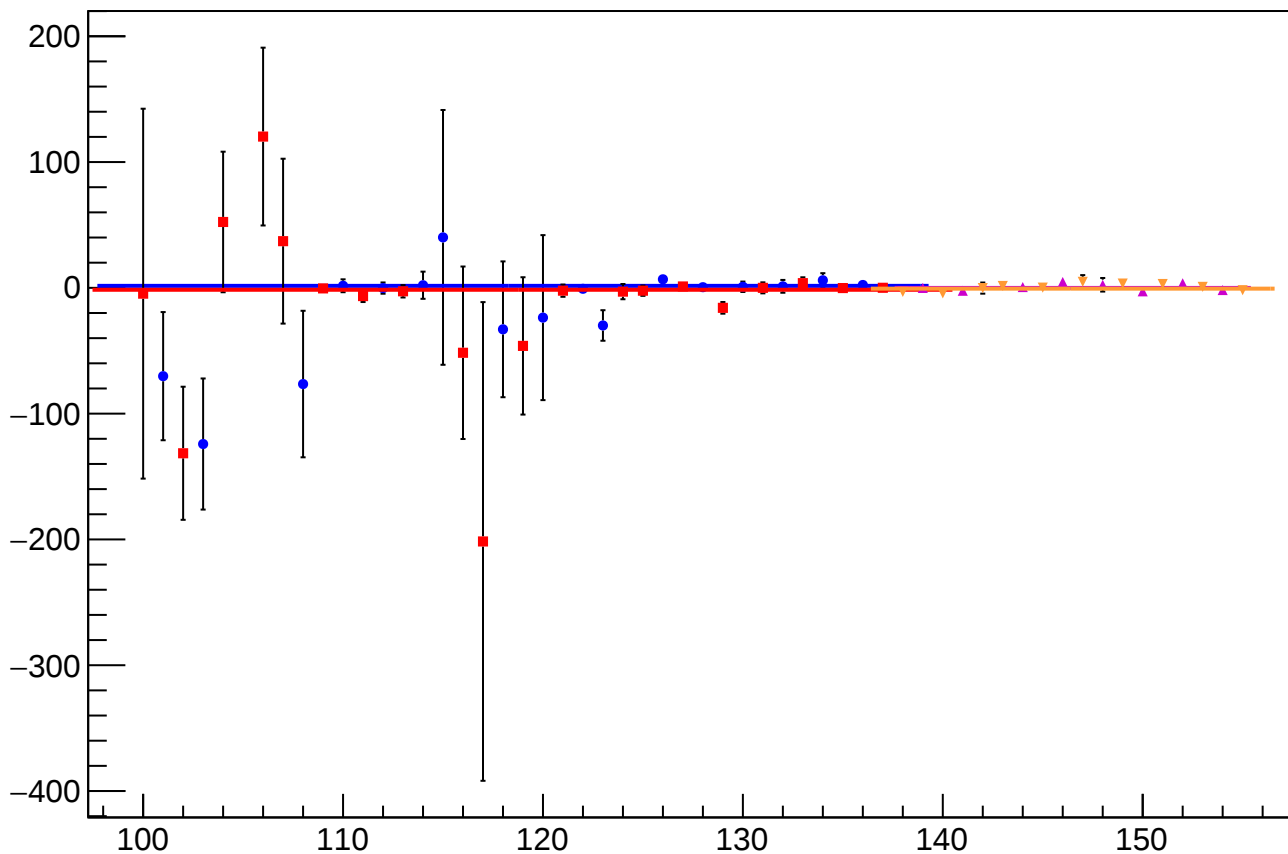
1818.047+/-0.387 χ^2/NDF : 5859852.4/26

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

1864.856+/-0.409 χ^2/NDF : 6076012.4/27

Left In: 1653.719+/-0.461 χ^2/NDF : 166618.9/7

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

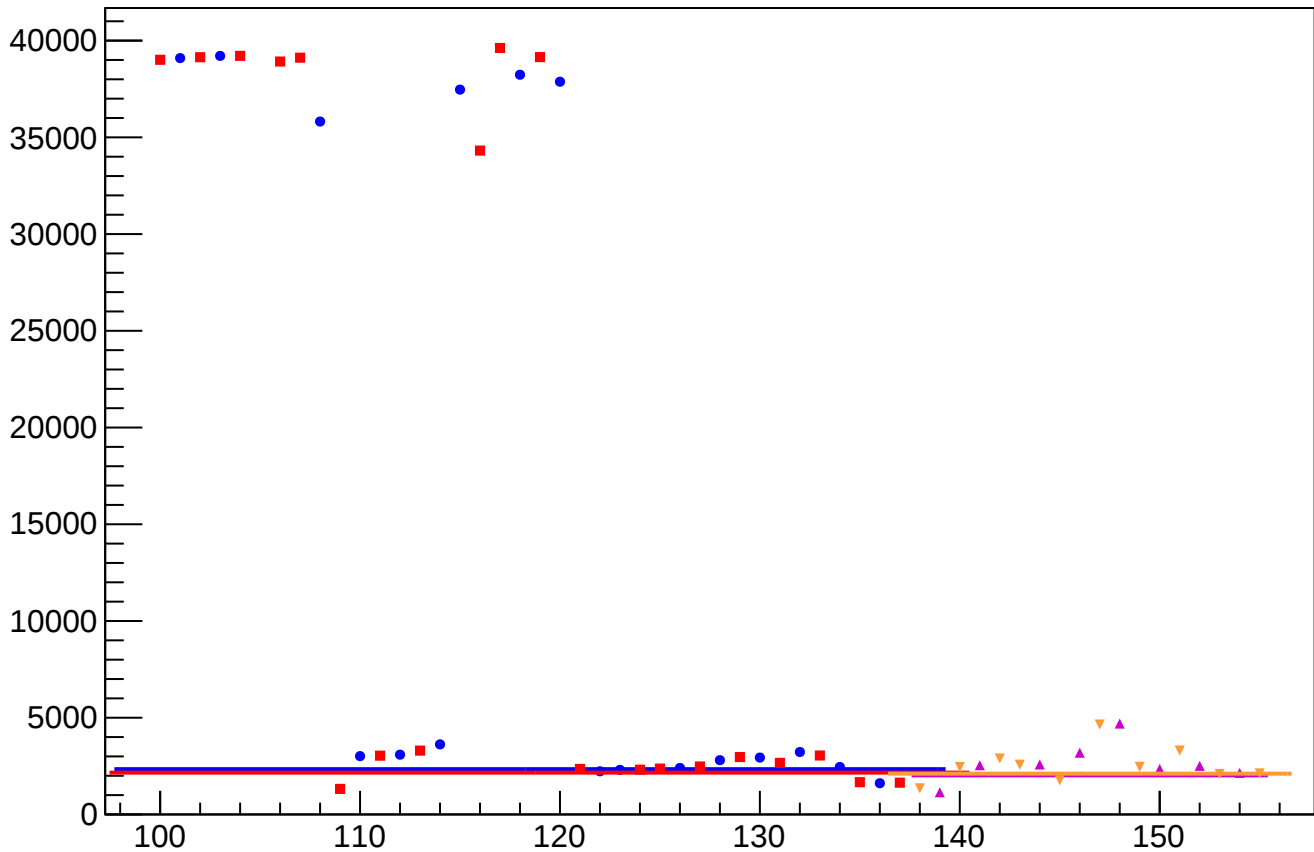
Right Out: -1.530 ± 1.062 χ^2/NDF : 26.1/19

Left In: -0.069 ± 0.863 χ^2/NDF : 5.9/7

0.135 ± 0.675 χ^2/NDF : 32.2/26

-0.650 ± 0.670 χ^2/NDF : 33.2/27

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

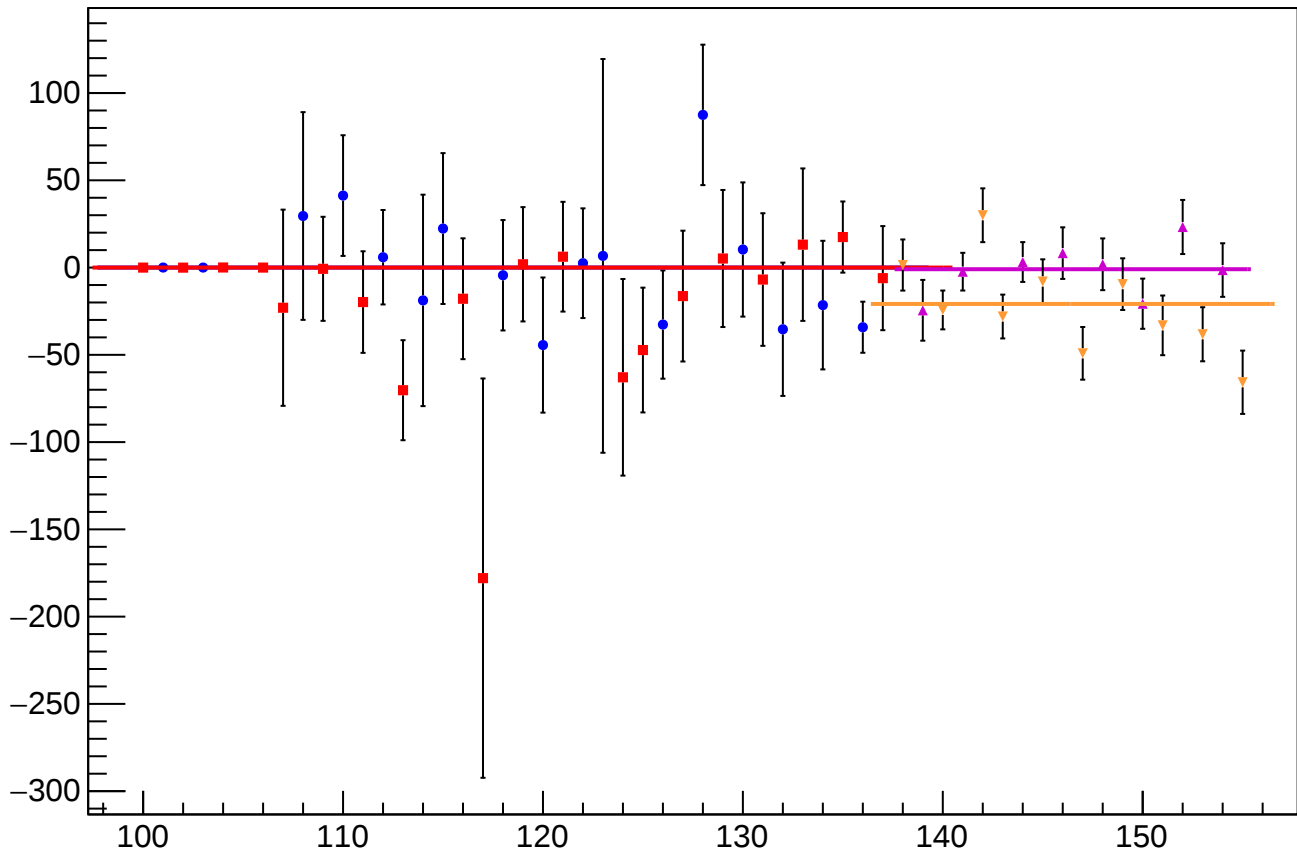
Right Out: 2162.329+/-0.751 χ^2/NDF : 5376569.5/19

Left In: 2020.102+/-0.610 χ^2/NDF :1741828.1/7

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

2076.676+/-0.474 χ^2/NDF : 7139995.0/27

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

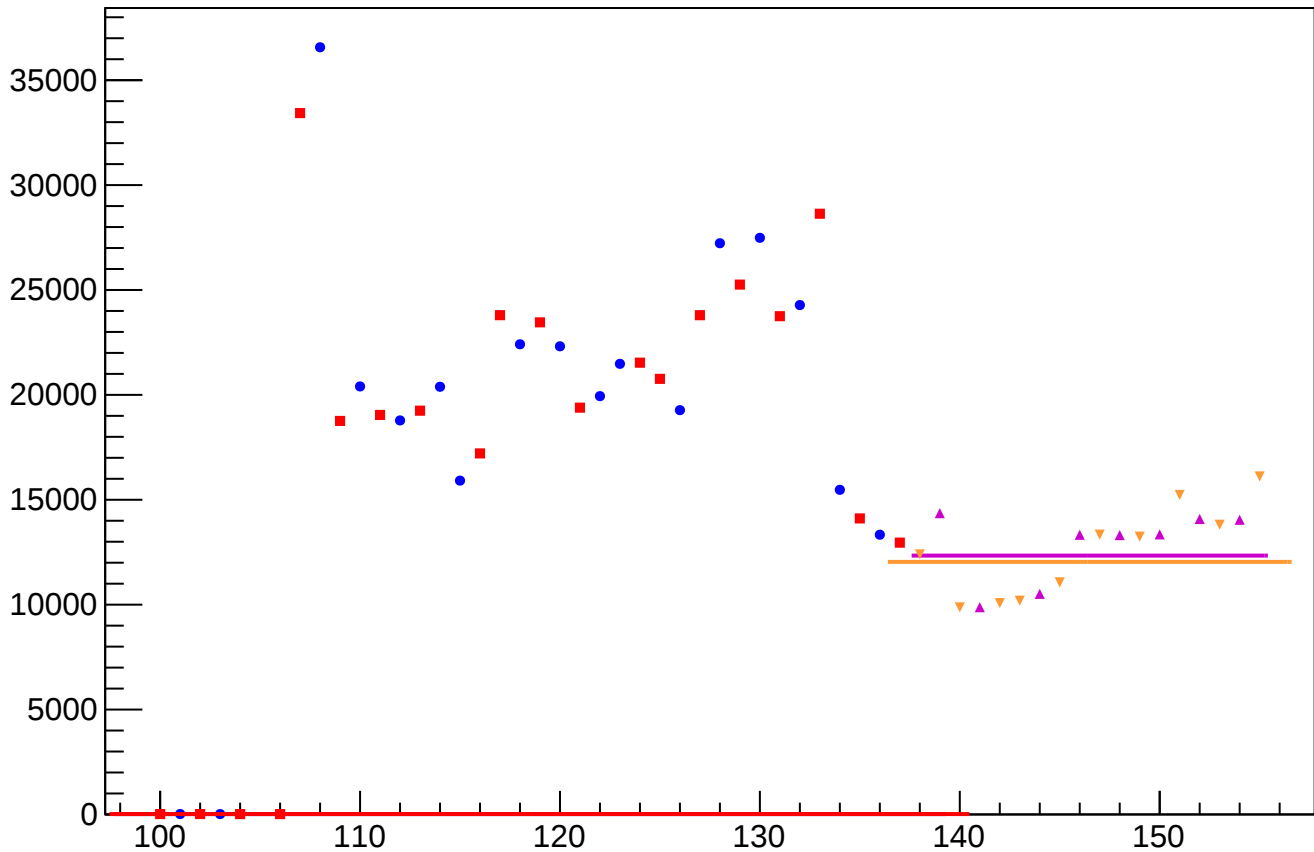
Right Out: 0.003 ± 0.016 χ^2/NDF : 18.3/19

Left In: -0.942 ± 4.884 χ^2/NDF : 6.7/7

0.013 ± 0.017 χ^2/NDF : 64.1/26

0.003 ± 0.016 χ^2/NDF : 25.1/27

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

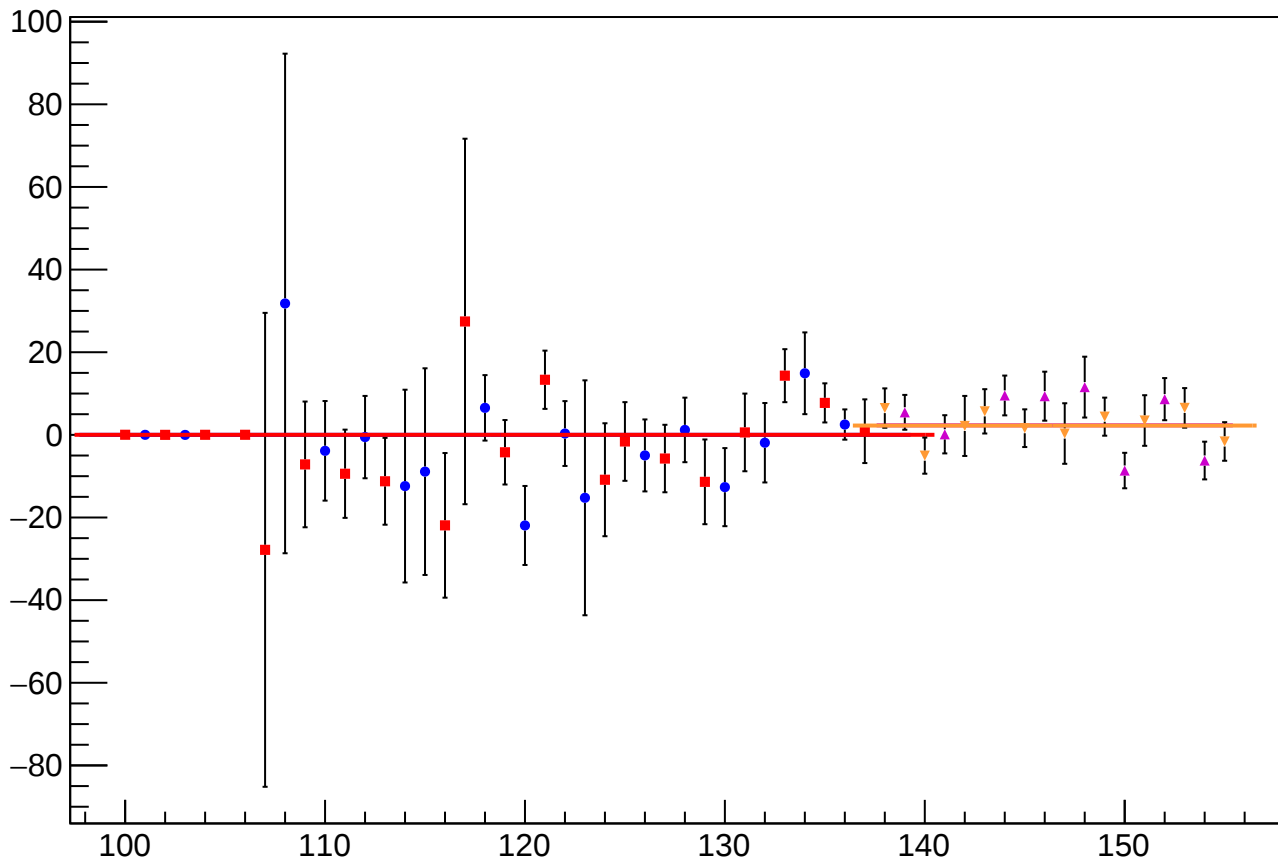
Right Out: 18.312+/-0.011 χ^2/NDF : 11197081.8/19

Left In: 12339.186+/-3.453 χ^2/NDF : 259524.1/7

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

18.445+/-0.011 χ^2/NDF : 24186121.0/27

diff_cav4bY_mean vs Slug



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

Left Out: 2.254 $\pm$ 1.622 χ^2 /NDF:5.8/9

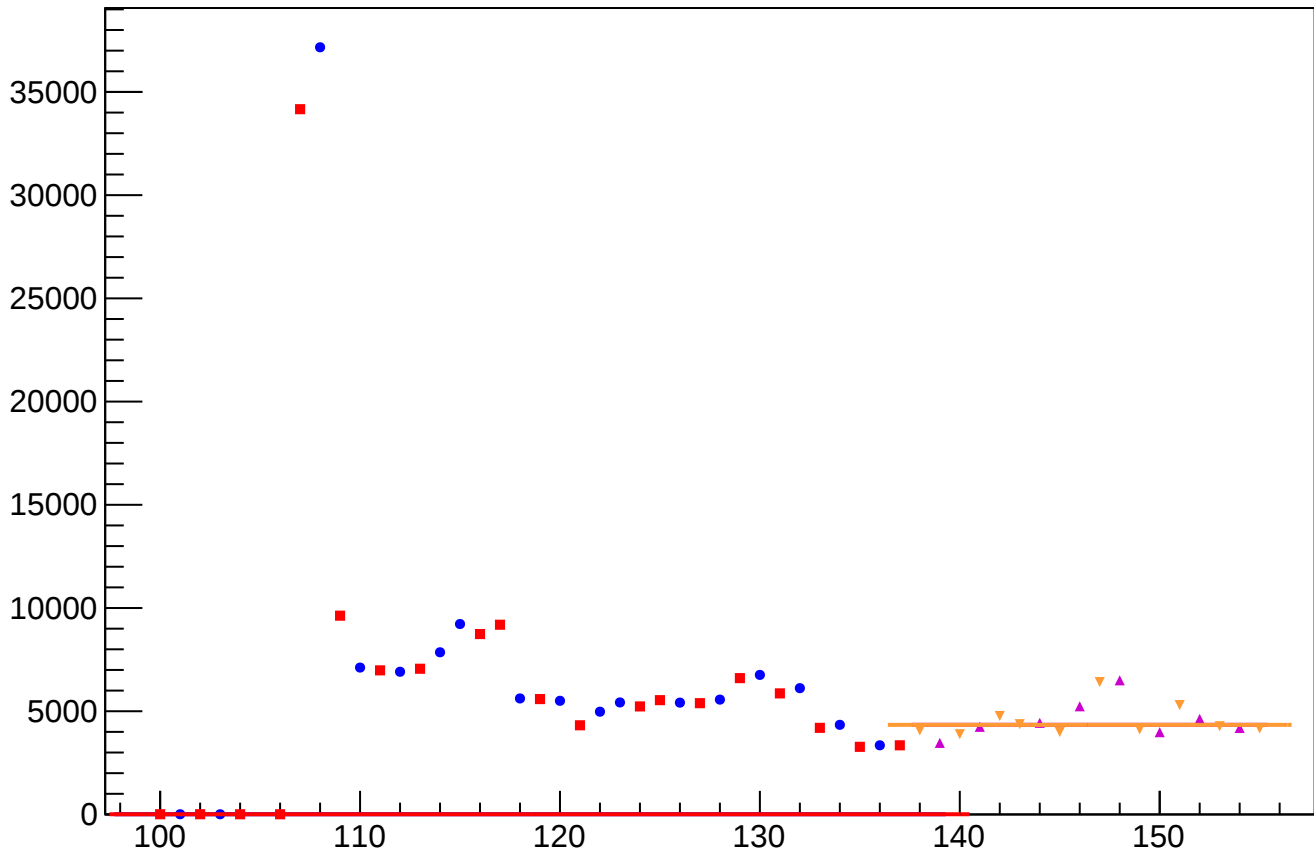
Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 19.0/19

Left In: 2.305 $\pm$ 1.731 χ^2 /NDF:17.6/7

0.001 $\pm$ 0.009 χ^2 /NDF: 20.8/26

0.014 $\pm$ 0.009 χ^2 /NDF: 38.3/27

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

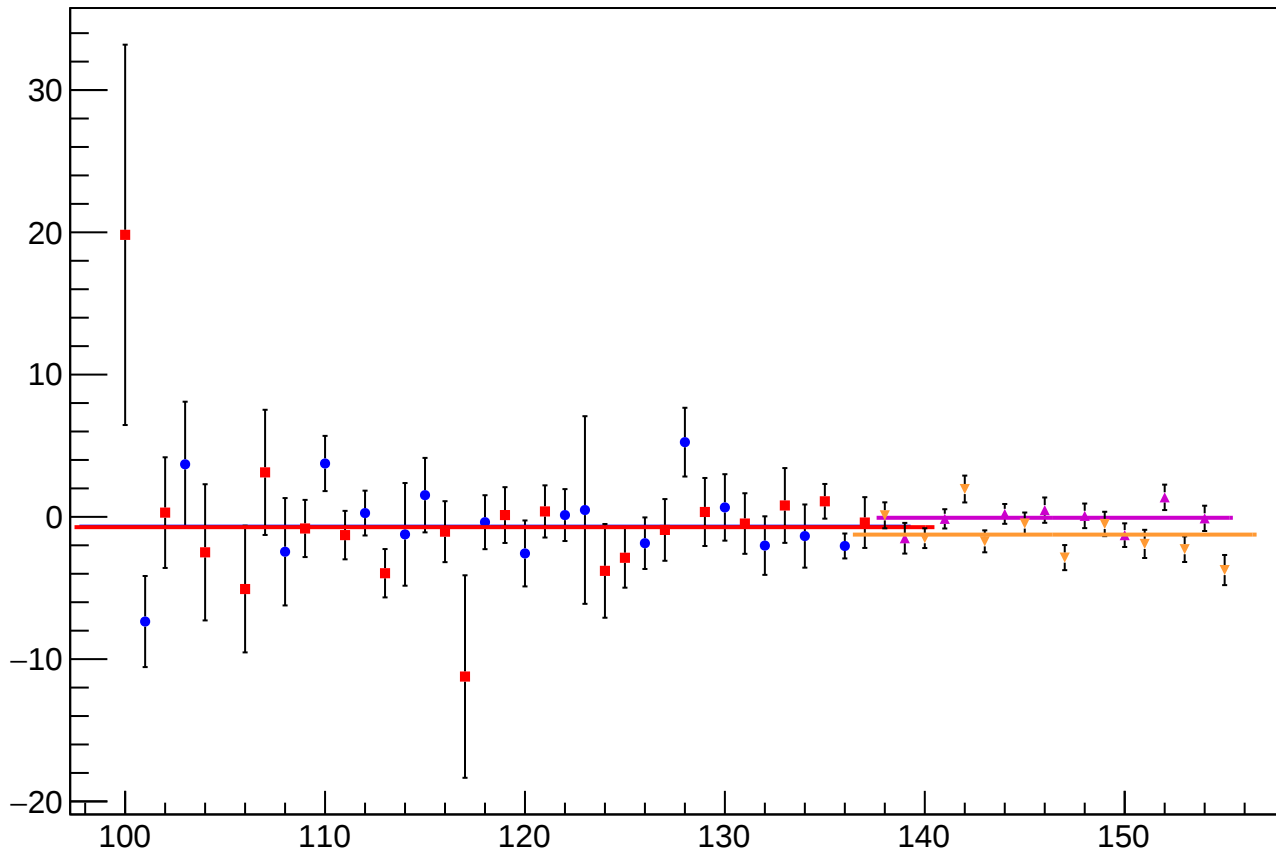
Right Out: 9.855+/-0.006 χ^2/NDF : 11246160.9/19

Left In: 4342.806+/-1.224 χ^2/NDF : 327228.2/7

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

9.963+/-0.006 χ^2/NDF : 24108435.7/27

diff_cav4cX_mean vs Slug



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

Left Out: -1.247 ± 0.272 $\chi^2/\text{NDF}: 26.6/9$

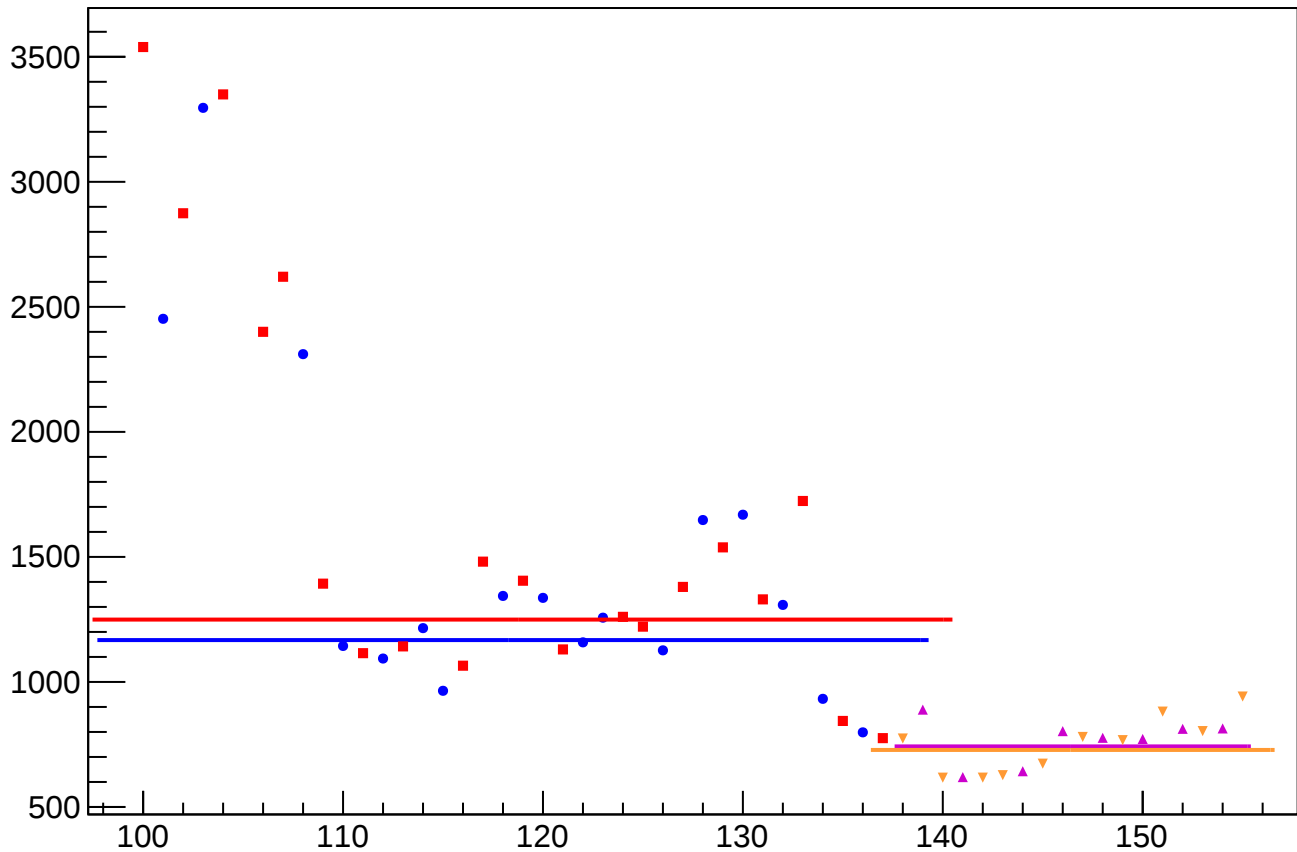
Right Out: -0.724 ± 0.499 $\chi^2/\text{NDF}: 15.5/19$

Left In: -0.065 ± 0.293 $\chi^2/\text{NDF}: 7.1/7$

-1.113 ± 0.237 $\chi^2/\text{NDF}: 50.2/26$

-0.234 ± 0.253 $\chi^2/\text{NDF}: 23.9/27$

diff_cav4cX_rms vs Slug



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

Left Out: 728.071 $\pm$ 0.192 χ^2 /NDF: 281963.0/9

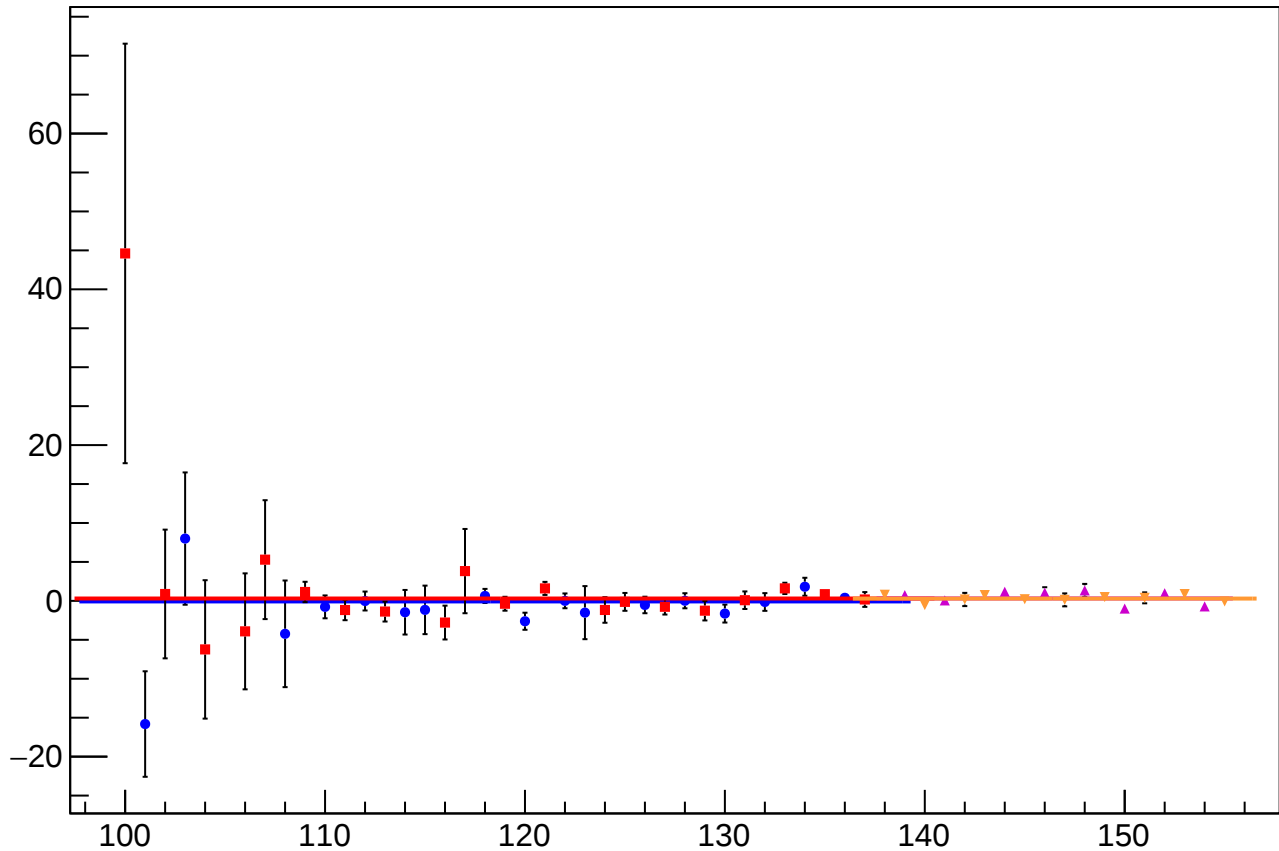
834.017 $\pm$ 0.167 χ^2 /NDF: 3119714.5/26

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

871.940 $\pm$ 0.179 χ^2 /NDF: 3375108.7/27

Left In: 742.222 $\pm$ 0.207 χ^2 /NDF: 184109.2/7

diff_cav4cY_mean vs Slug



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

Left Out: 0.294 ± 0.192 χ^2/NDF : 5.6/9

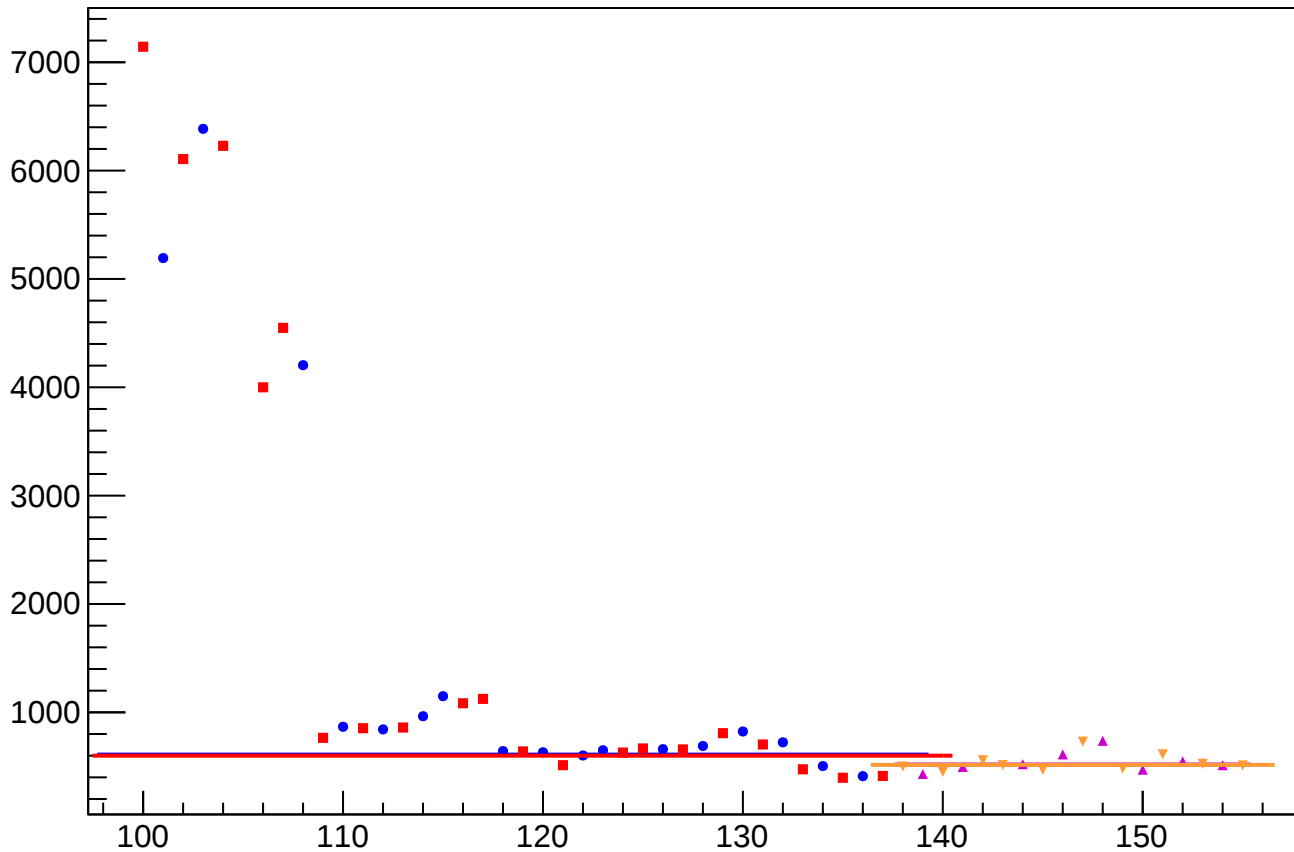
Right Out: 0.303 ± 0.264 χ^2/NDF : 20.7/19

Left In: 0.309 ± 0.206 χ^2/NDF : 17.1/7

0.170 ± 0.156 χ^2/NDF : 26.0/26

0.306 ± 0.162 χ^2/NDF : 37.8/27

diff_cav4cY_rms vs Slug



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

Left Out: 515.195 $\pm$ 0.136 χ^2 /NDF: 232814.6/9

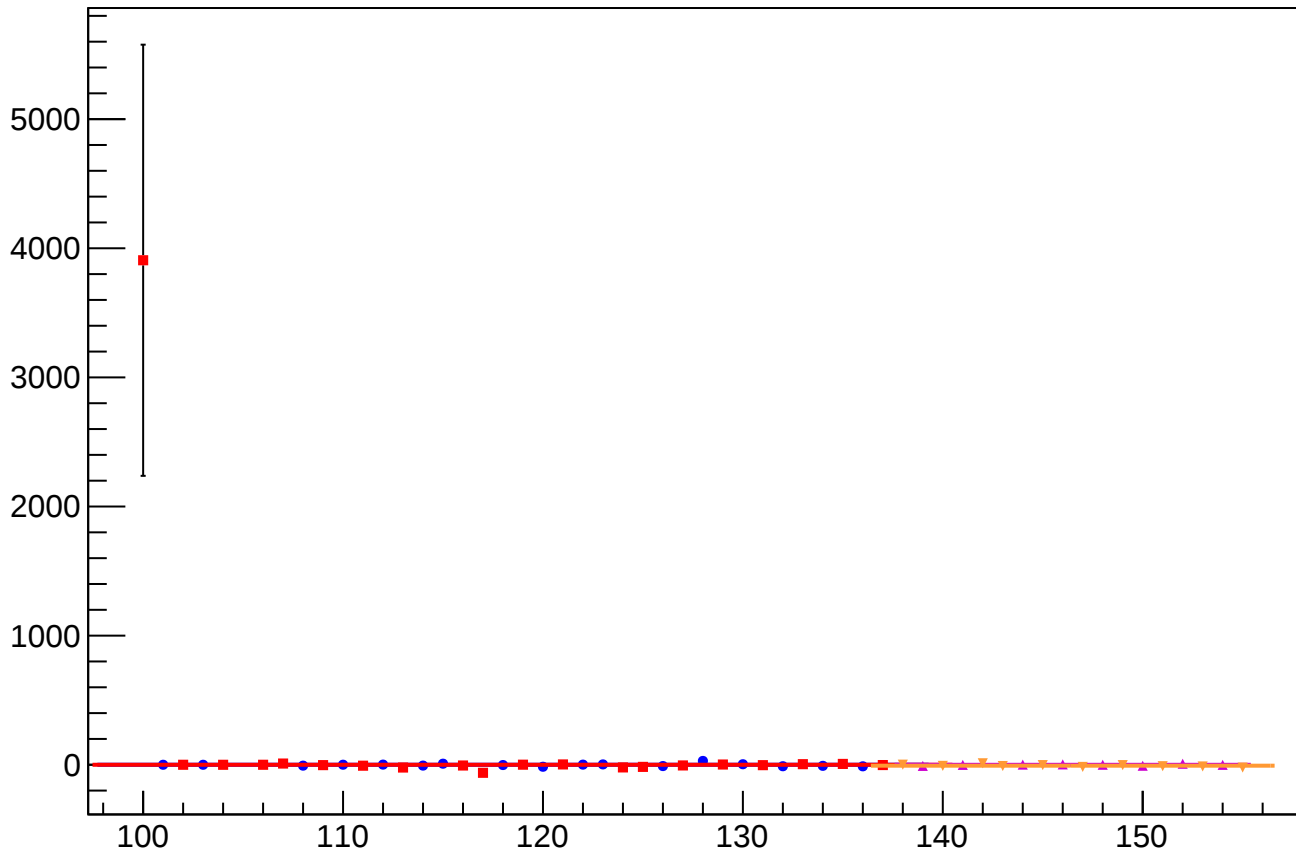
547.225 $\pm$ 0.111 χ^2 /NDF: 3532837.4/26

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

549.530 $\pm$ 0.115 χ^2 /NDF: 3946543.2/27

Left In: 518.563 $\pm$ 0.146 χ^2 /NDF: 256039.9/7

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

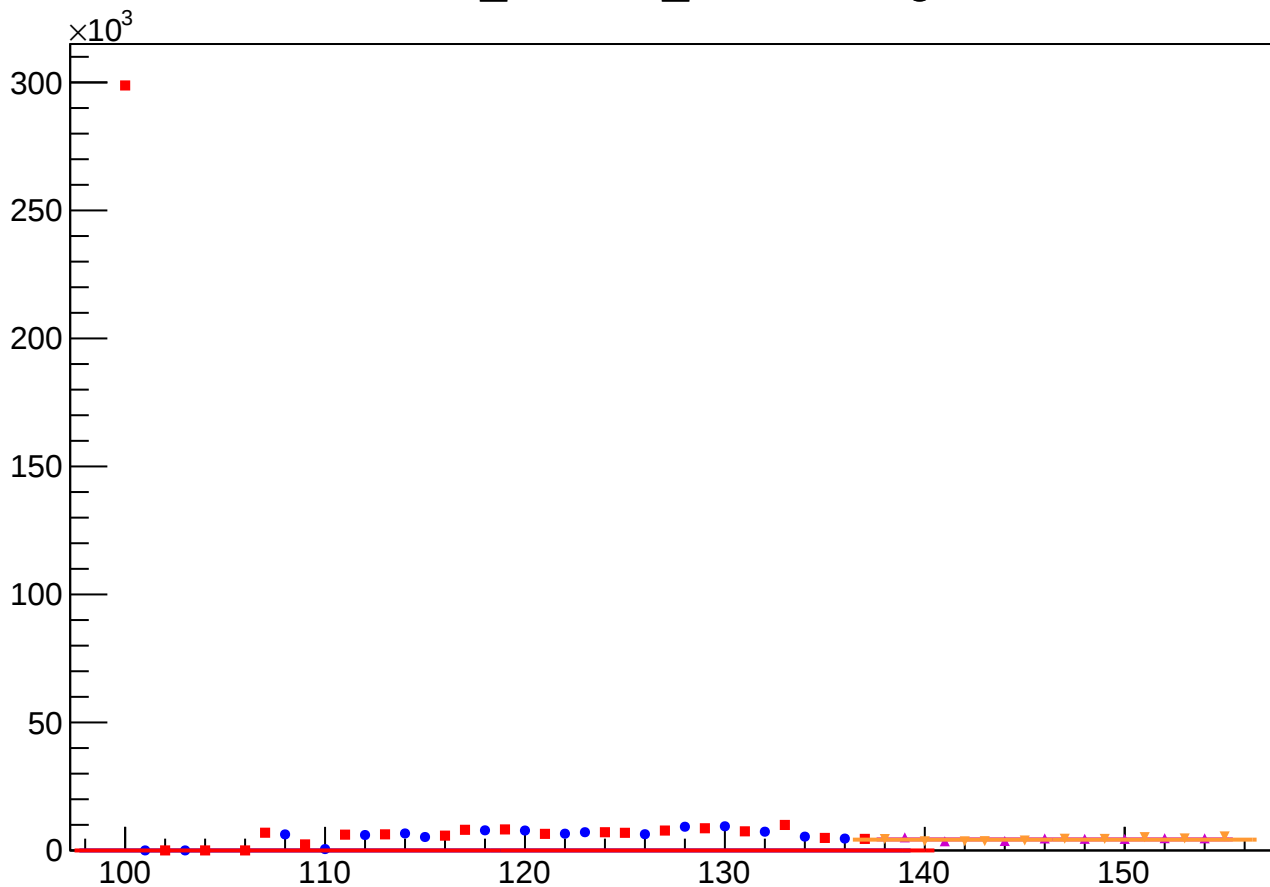
Right Out: -0.027+/-0.020 χ^2/NDF : 20.5/19

Left In: -0.380+/-1.705 χ^2/NDF : 7.0/7

-0.023+/-0.021 χ^2/NDF : 62.9/26

-0.027+/-0.020 χ^2/NDF : 27.5/27

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

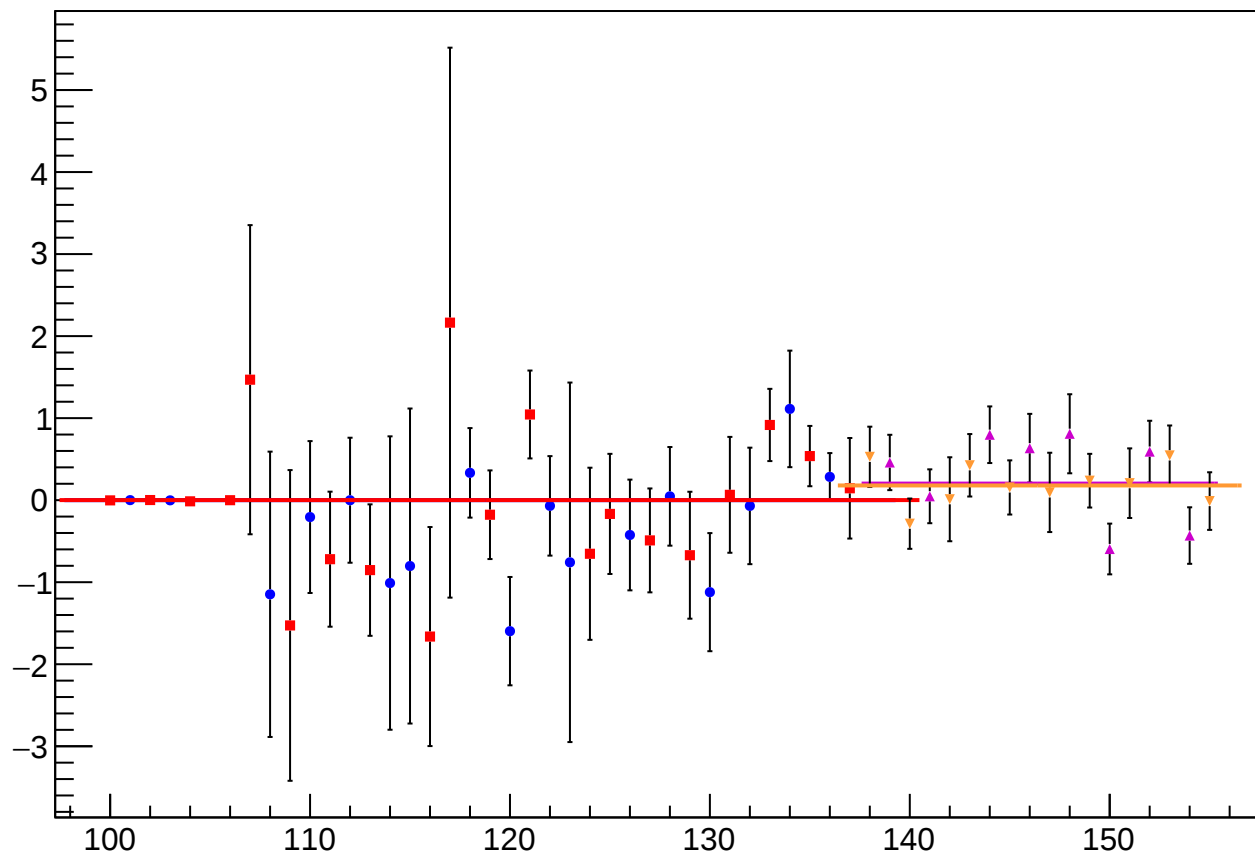
Right Out: 17.271+/-0.014 χ^2/NDF : 10906837.9/19

Left In: 4320.264+/-1.206 χ^2/NDF : 196454.3/7

18.070+/-0.015 χ^2/NDF : 25003228.9/26

17.850+/-0.014 χ^2/NDF : 23838291.2/27

diff_cav4dY_mean vs Slug



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

Left Out: 0.179 $\pm$ 0.117 χ^2 /NDF: 5.1/9

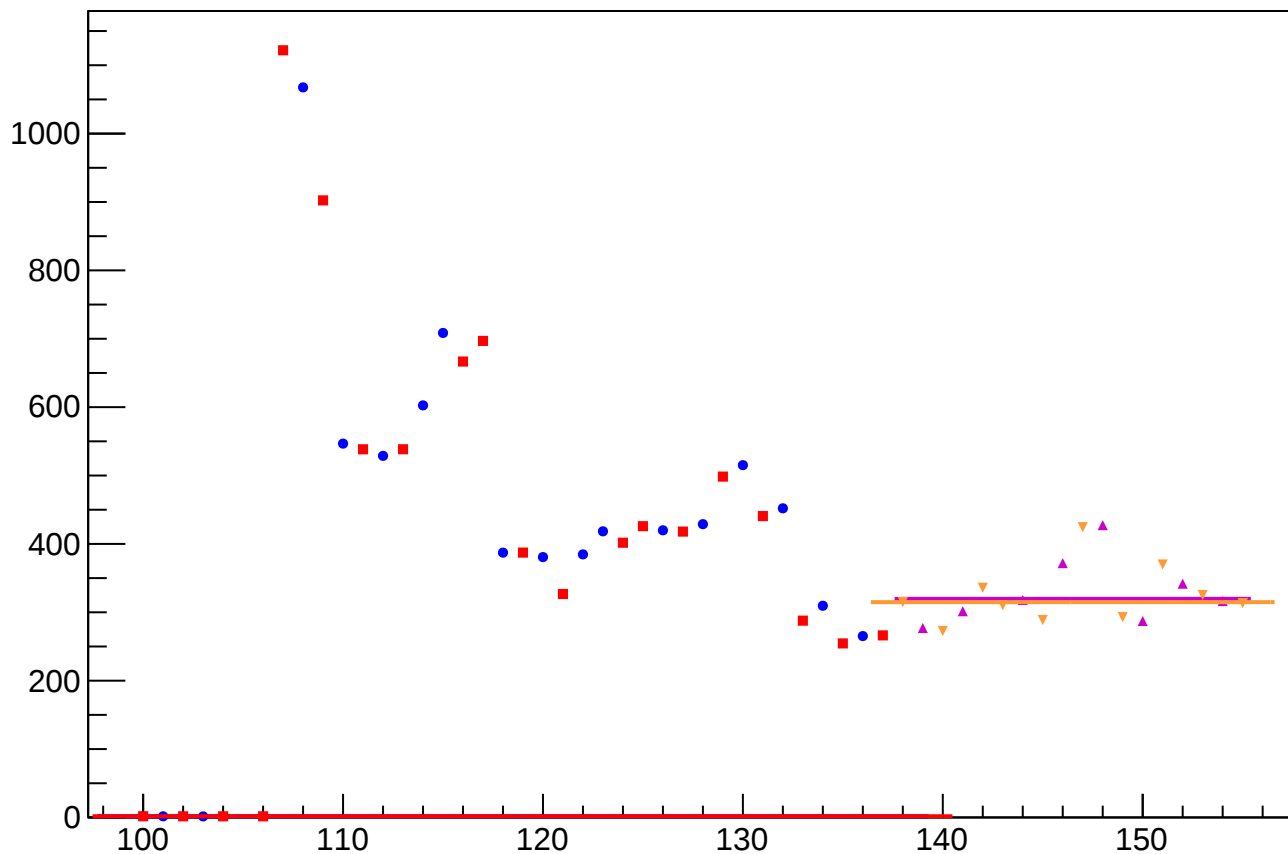
Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 18.3/19

Left In: 0.202 $\pm$ 0.127 χ^2 /NDF: 17.5/7

0.000 $\pm$ 0.002 χ^2 /NDF: 21.2/26

0.001 $\pm$ 0.002 χ^2 /NDF: 38.4/27

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

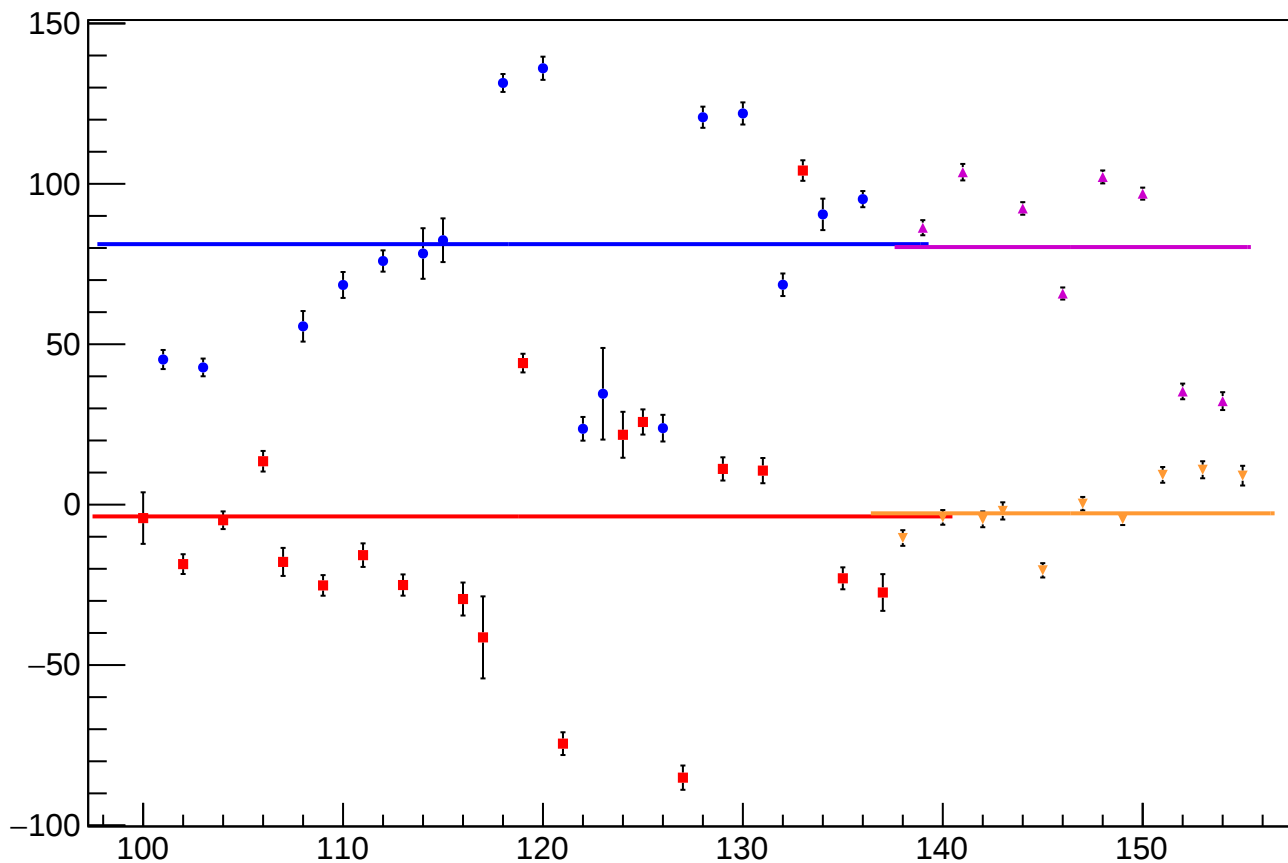
Right Out: 1.729+/-0.001 χ^2/NDF : 10829914.3/19

Left In: 319.627+/-0.089 χ^2/NDF : 198370.4/7

1.793+/-0.001 χ^2/NDF : 25510801.1/26

1.803+/-0.001 χ^2/NDF : 23643456.5/27

diff_bpm0i01X_mean vs Slug



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

Left Out: -2.708 $\pm$ 0.744 χ^2 /NDF:141.8/9

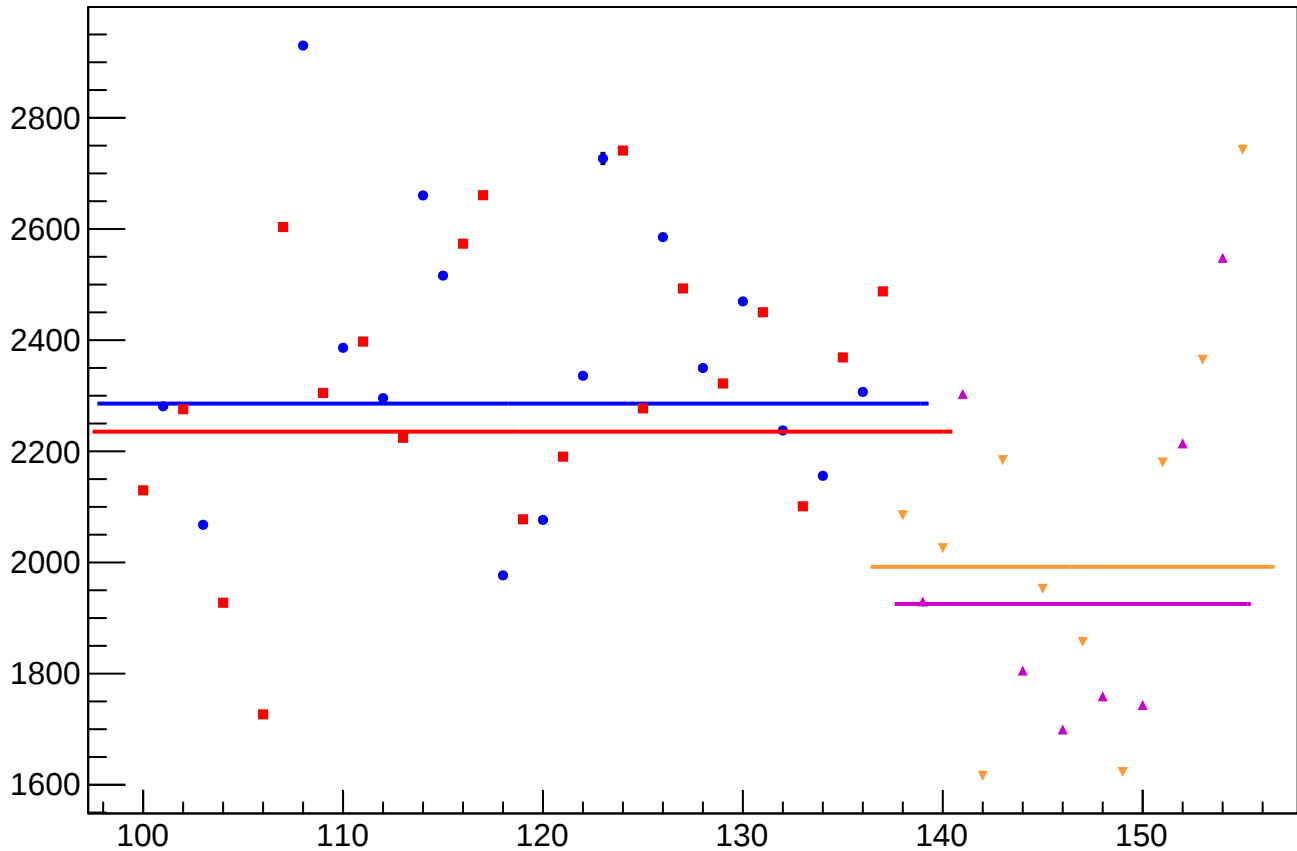
Right Out: -3.672 $\pm$ 0.841 χ^2 /NDF: 2607.8/19

Left In: 80.293 $\pm$ 0.767 χ^2 /NDF:1019.7/7

32.027 $\pm$ 0.570 χ^2 /NDF: 7111.5/26

42.139 $\pm$ 0.567 χ^2 /NDF: 9069.8/27

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

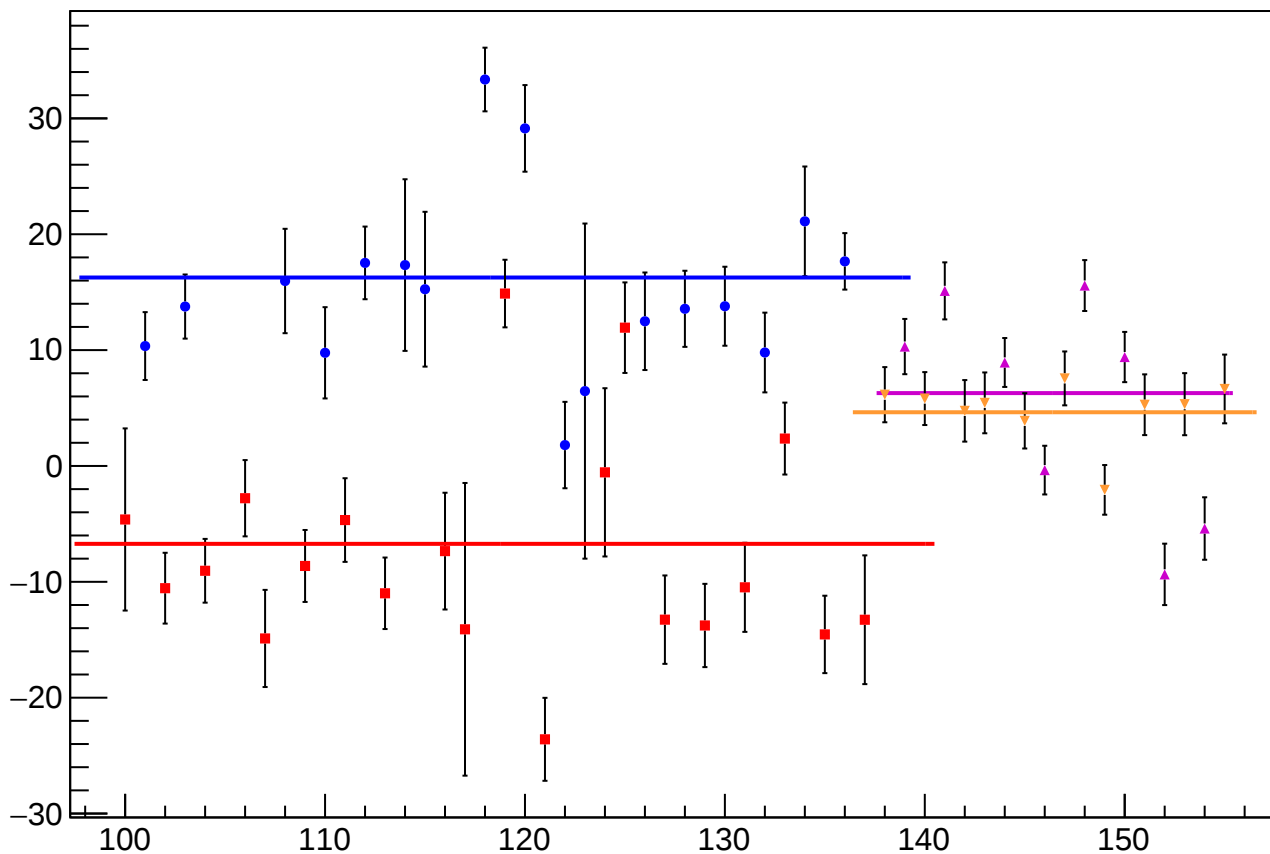
Right Out: 2235.394+/-0.594 χ^2/NDF : 149072.1/19

Left In: 1925.410+/-0.543 χ^2/NDF : 239869.3/7

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

2066.270+/-0.401 χ^2/NDF : 537295.0/27

diff_bpm0i01Y_mean vs Slug



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

Left Out: 4.636 ± 0.783 χ^2/NDF : 12.8/9

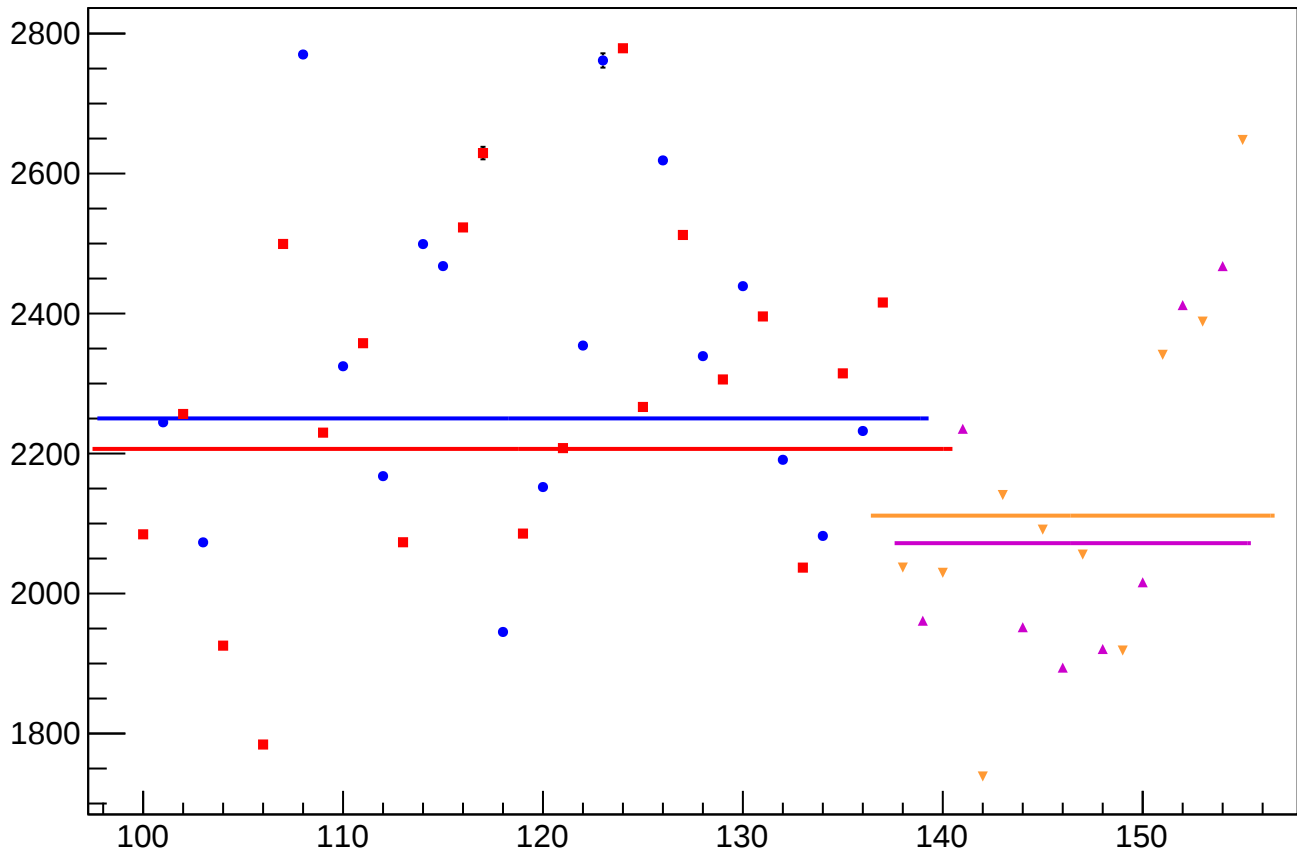
Right Out: -6.722 ± 0.829 χ^2/NDF : 134.3/19

Left In: 6.289 ± 0.819 χ^2/NDF : 100.8/7

9.829 ± 0.582 χ^2/NDF : 192.1/26

-0.137 ± 0.583 χ^2/NDF : 359.8/27

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

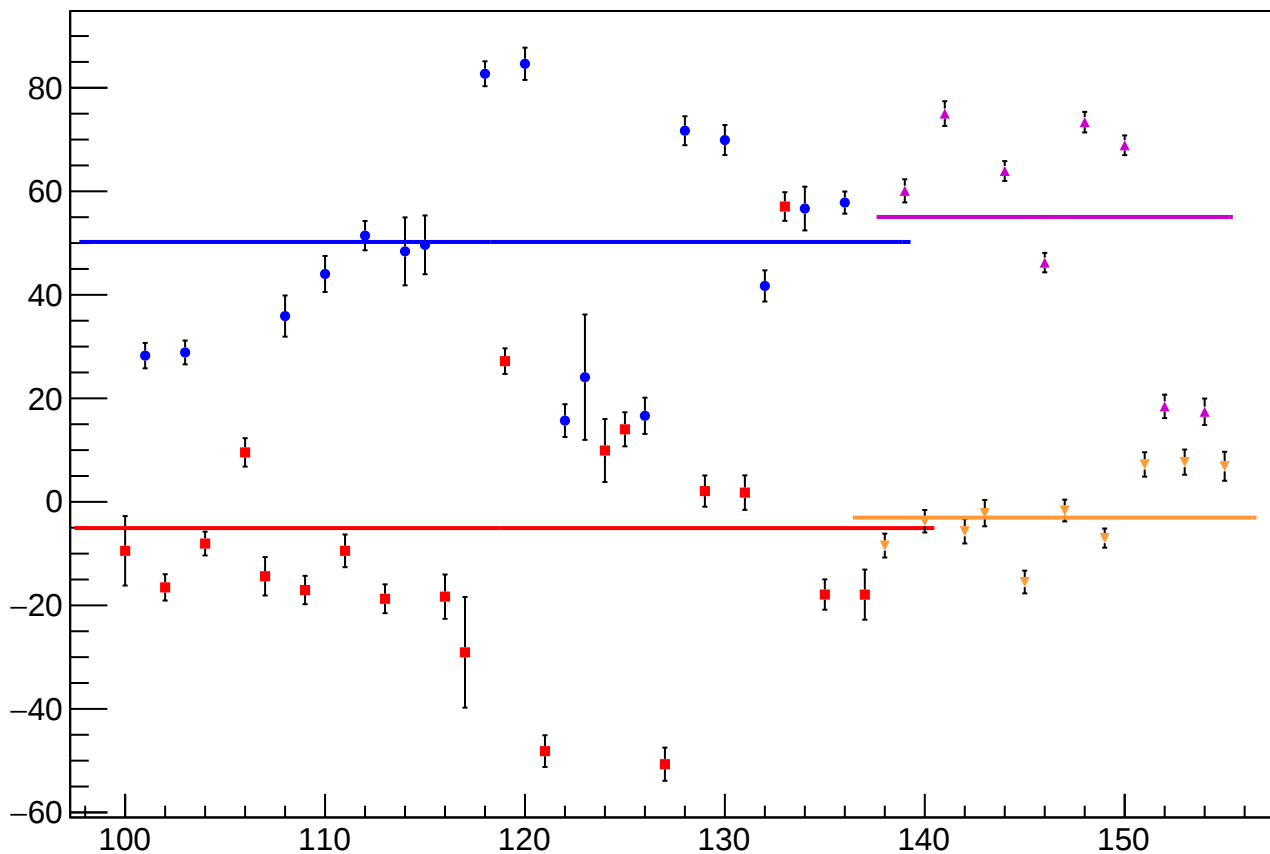
Right Out: 2206.617+/-0.586 χ^2/NDF : 128476.5/19

Left In: 2071.949+/-0.579 χ^2/NDF :120759.2/7

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

2138.457+/-0.412 χ^2/NDF : 275950.7/27

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

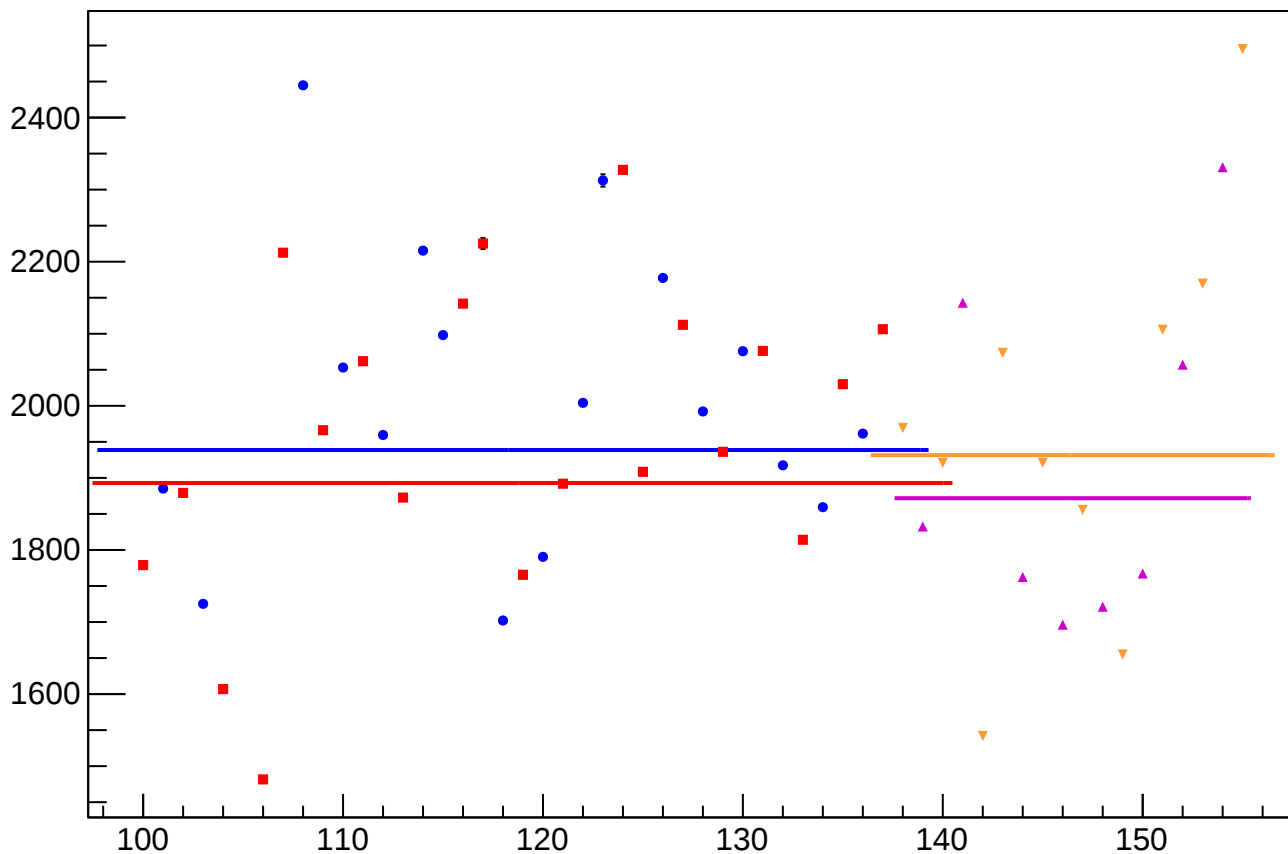
Right Out: -5.065 ± 0.712 χ^2/NDF : 1267.6/19

Left In: 55.043 ± 0.743 χ^2/NDF : 736.7/7

22.411 ± 0.519 χ^2/NDF : 3552.5/26

23.701 ± 0.514 χ^2/NDF : 5416.8/27

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

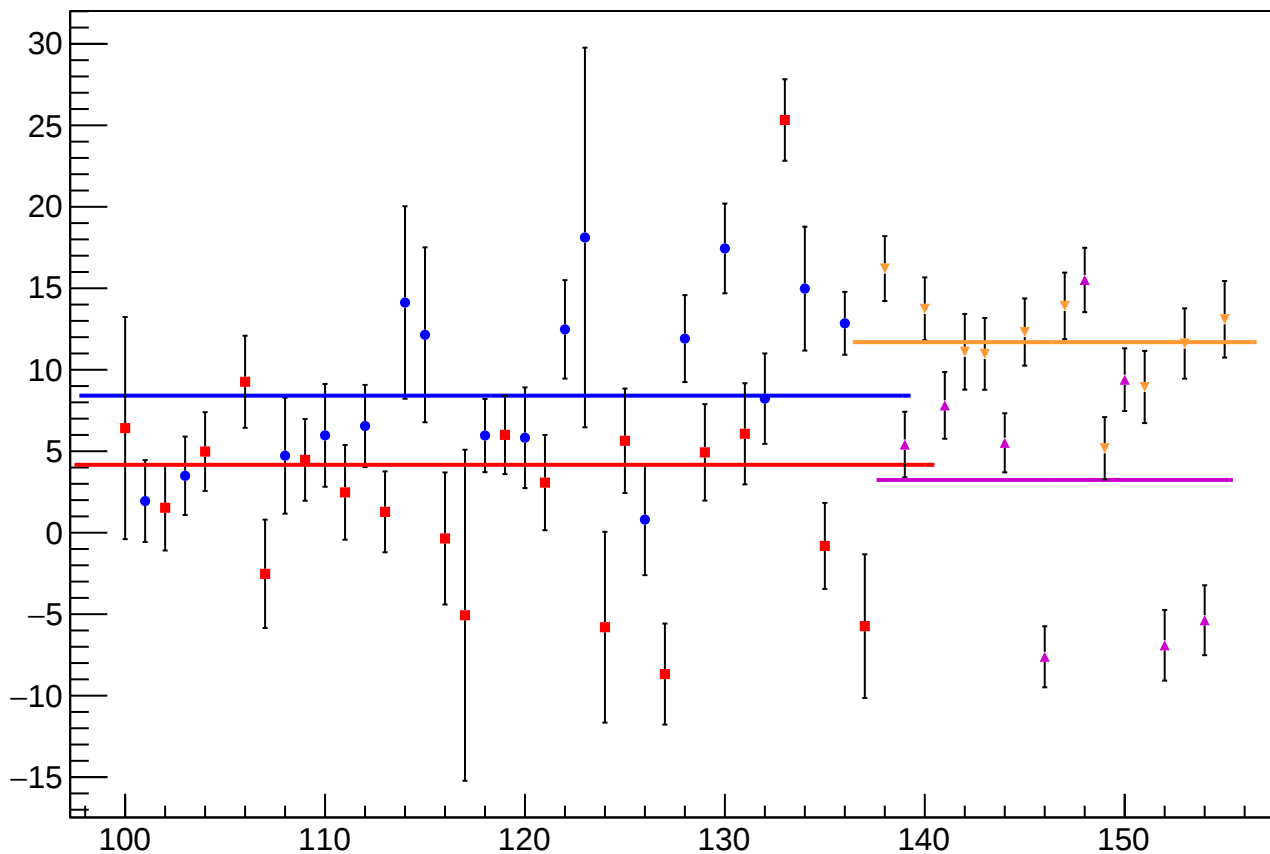
Right Out: 1892.946+/-0.503 χ^2/NDF : 148563.2/19

Left In: 1871.857+/-0.525 χ^2/NDF : 146370.6/7

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

1882.853+/-0.363 χ^2/NDF : 295774.0/27

diff_bpm0i01aY_mean vs Slug



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

Left Out: 11.695 $\pm$ 0.665 χ^2 /NDF: 21.2/9

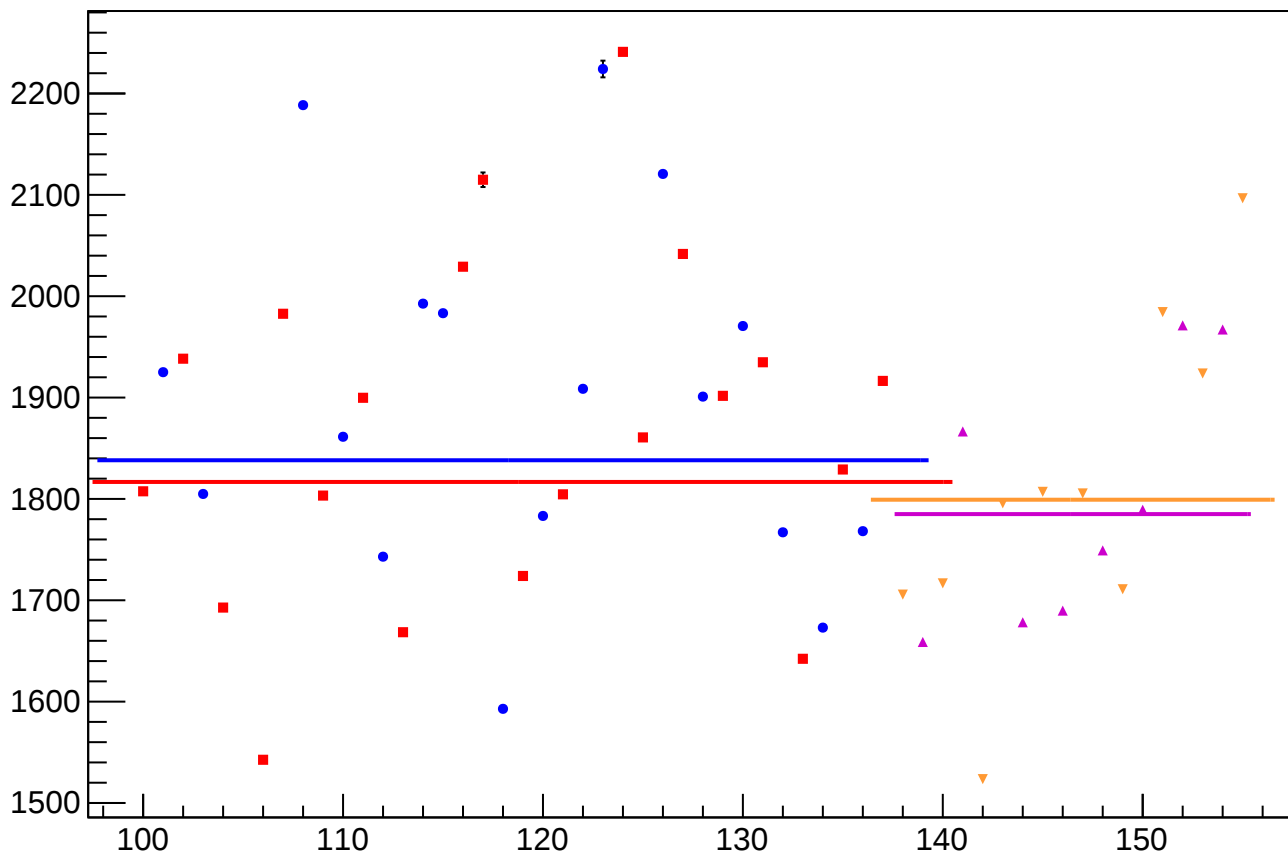
Right Out: 4.167 $\pm$ 0.681 χ^2 /NDF: 113.9/19

Left In: 3.238 $\pm$ 0.702 χ^2 /NDF: 128.2/7

10.163 $\pm$ 0.486 χ^2 /NDF: 77.2/26

3.717 $\pm$ 0.489 χ^2 /NDF: 243.0/27

diff_bpm0i01aY_rms vs Slug



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

Left Out: 1799.215+/-0.470 χ^2/NDF : 93265.4/9

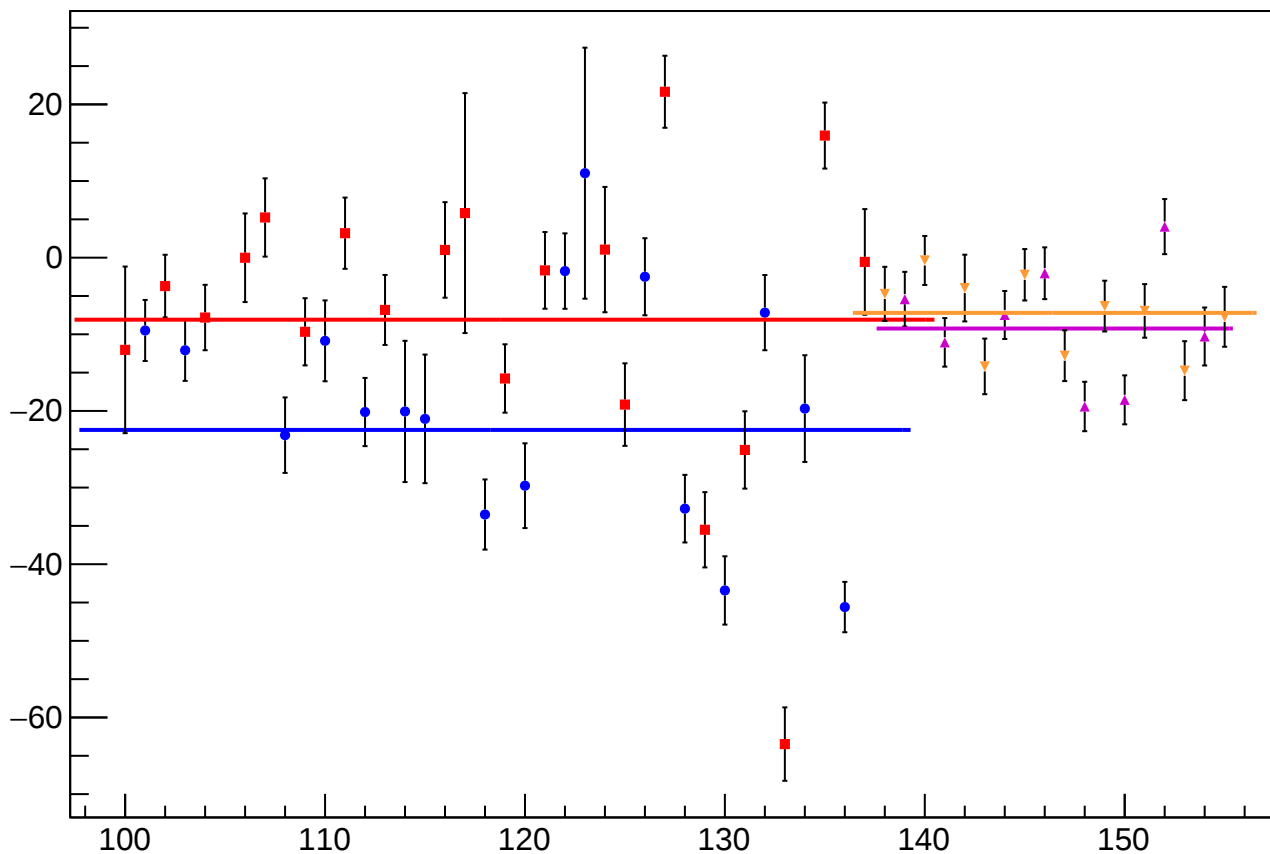
Right Out: 1816.748+/-0.481 χ^2/NDF : 89149.7/19

Left In: 1785.029+/-0.496 χ^2/NDF : 52956.8/7

1817.371+/-0.343 χ^2/NDF : 179341.3/26

1801.369+/-0.346 χ^2/NDF : 144211.2/27

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

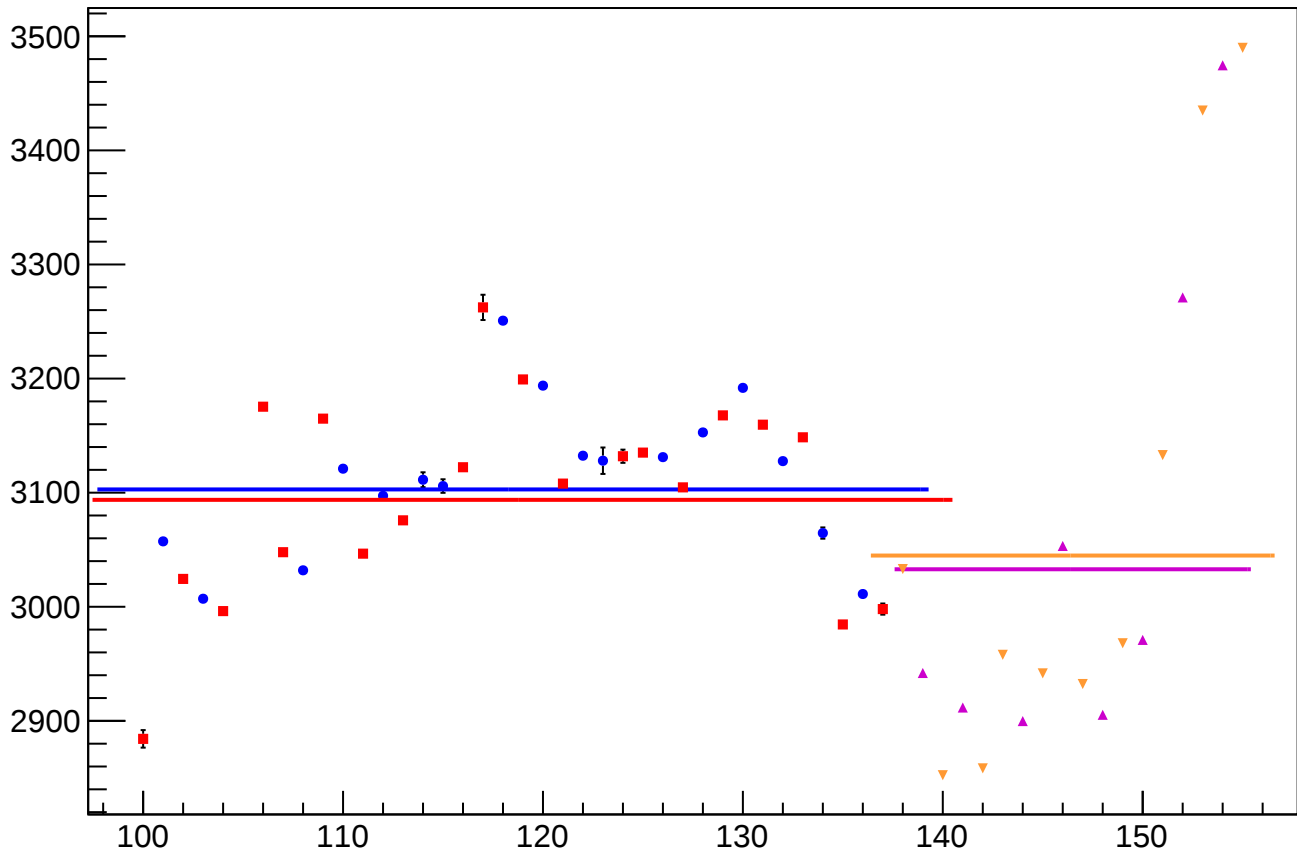
Right Out: -8.093 ± 1.153 χ^2/NDF : 277.7/19

Left In: -9.246 ± 1.187 χ^2/NDF : 38.6/7

-14.370 ± 0.818 χ^2/NDF : 259.8/26

-8.653 ± 0.827 χ^2/NDF : 316.7/27

diff_bpm0l01X_rms vs Slug



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

Left Out: 3044.895 ± 0.794 χ^2/NDF : 65148.1/9

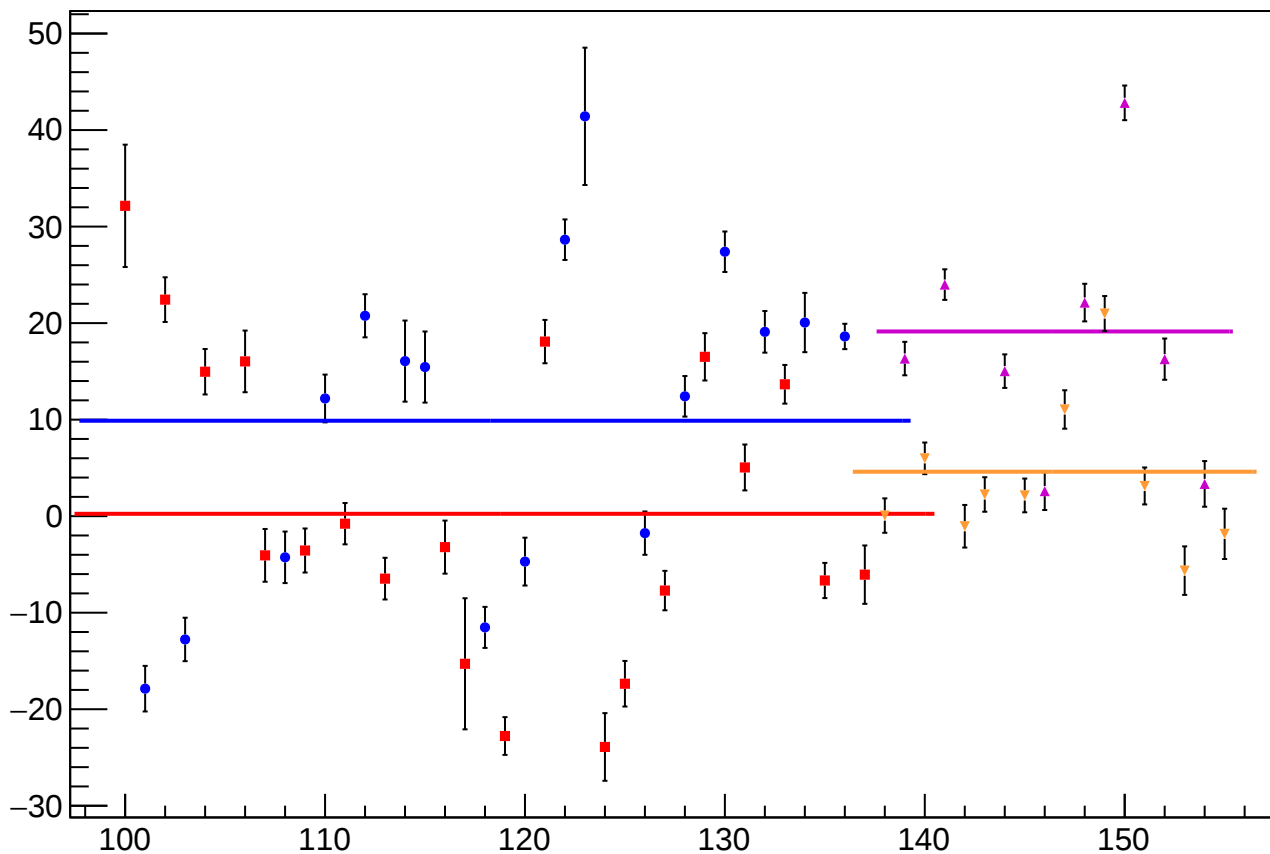
Right Out: 3093.715 ± 0.816 χ^2/NDF : 7996.8/19

Left In: 3032.868 ± 0.840 χ^2/NDF : 47869.8/7

3072.083 ± 0.579 χ^2/NDF : 74990.8/26

3064.173 ± 0.585 χ^2/NDF : 58569.2/27

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

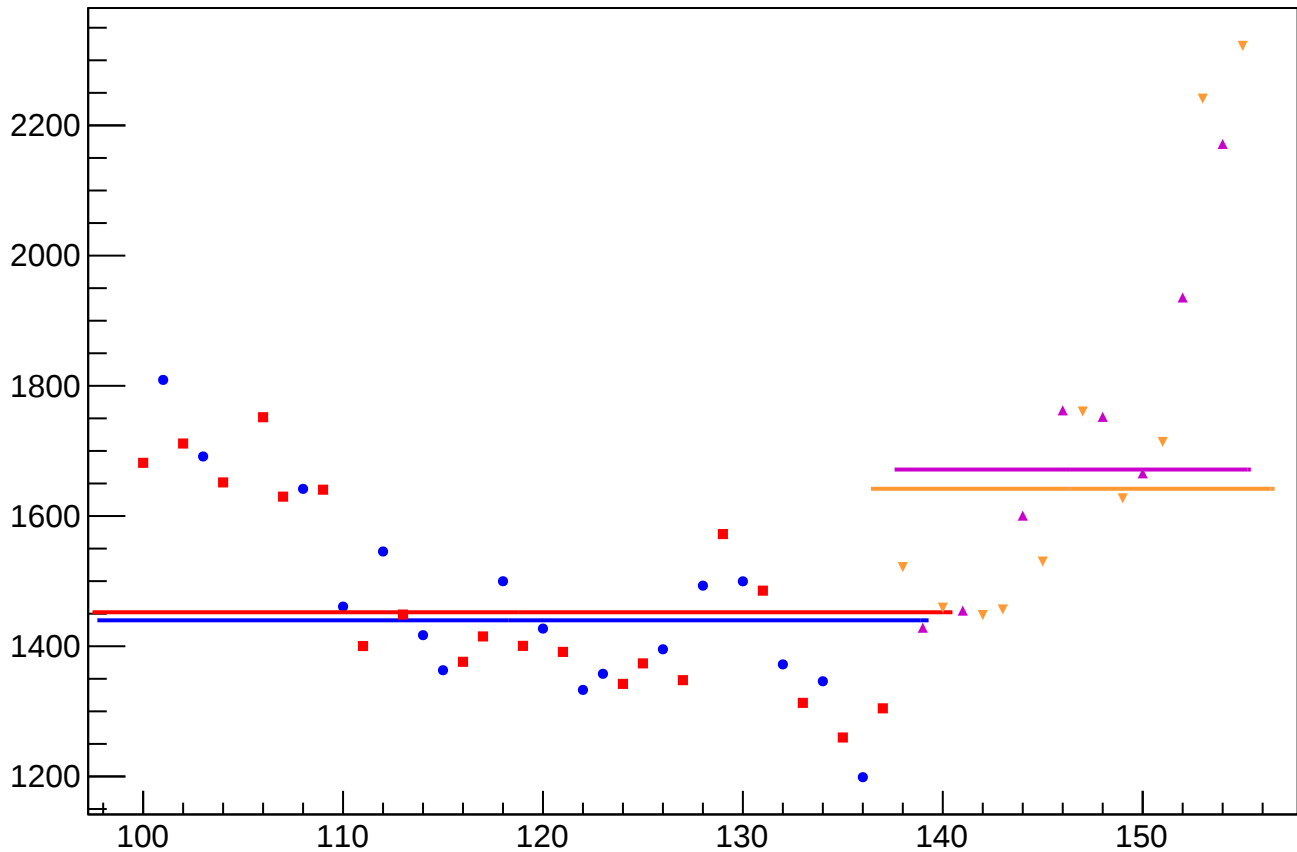
Right Out: 0.245 $\pm$ 0.545 χ^2 /NDF: 634.1/19

Left In: 19.135 $\pm$ 0.660 χ^2 /NDF:311.9/7

7.484 $\pm$ 0.413 χ^2 /NDF: 876.8/26

7.905 $\pm$ 0.420 χ^2 /NDF: 1433.0/27

diff_bpm0l01Y_rms vs Slug



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

Left Out: 1641.869 $\pm$ 0.433 χ^2 /NDF:339337.1/9

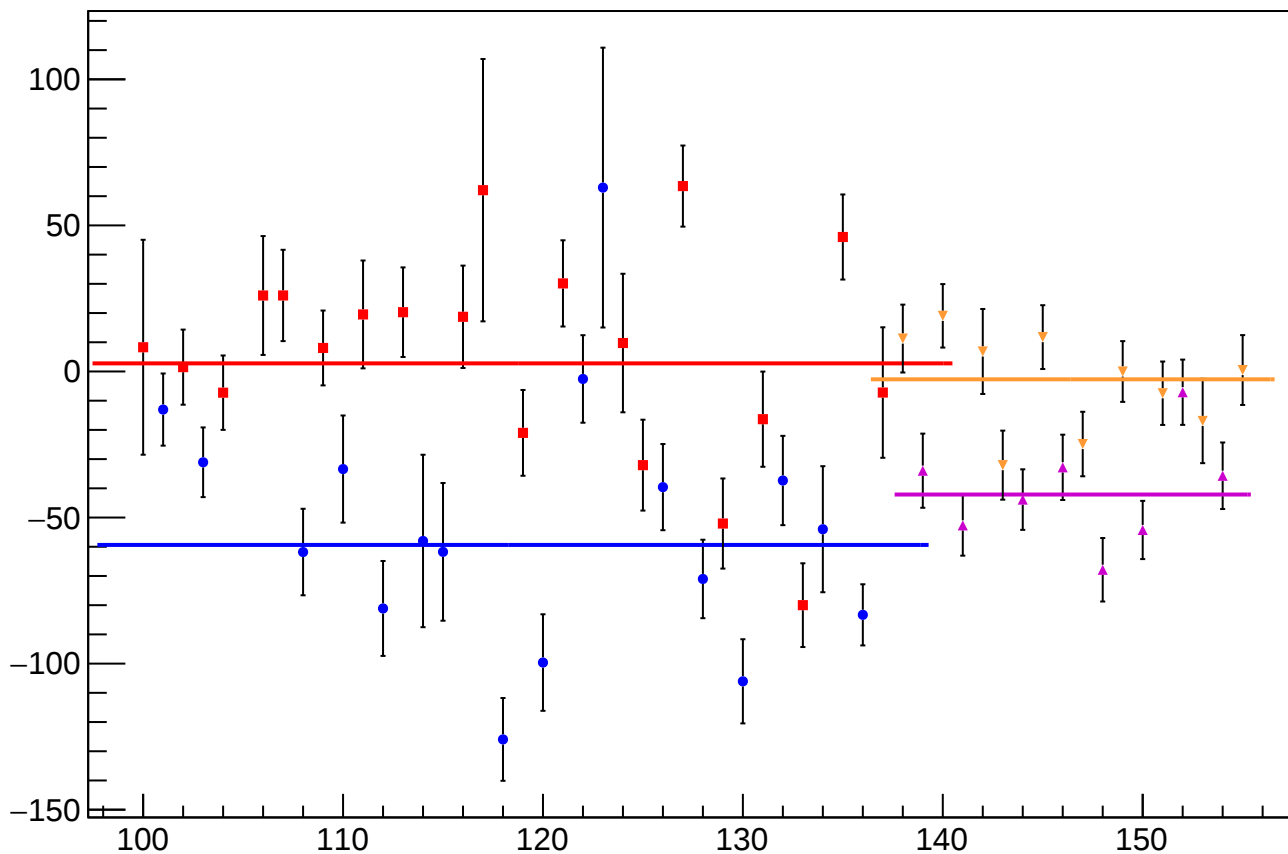
Right Out: 1452.211 $\pm$ 0.385 χ^2 /NDF: 138579.9/19

Left In: 1671.415 $\pm$ 0.467 χ^2 /NDF:207926.2/7

1531.750 $\pm$ 0.292 χ^2 /NDF: 630828.7/26

1541.098 $\pm$ 0.297 χ^2 /NDF: 477647.2/27

diff_bpm0l02X_mean vs Slug



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

Left Out: -2.686 ± 3.679 $\chi^2/\text{NDF}: 19.1/9$

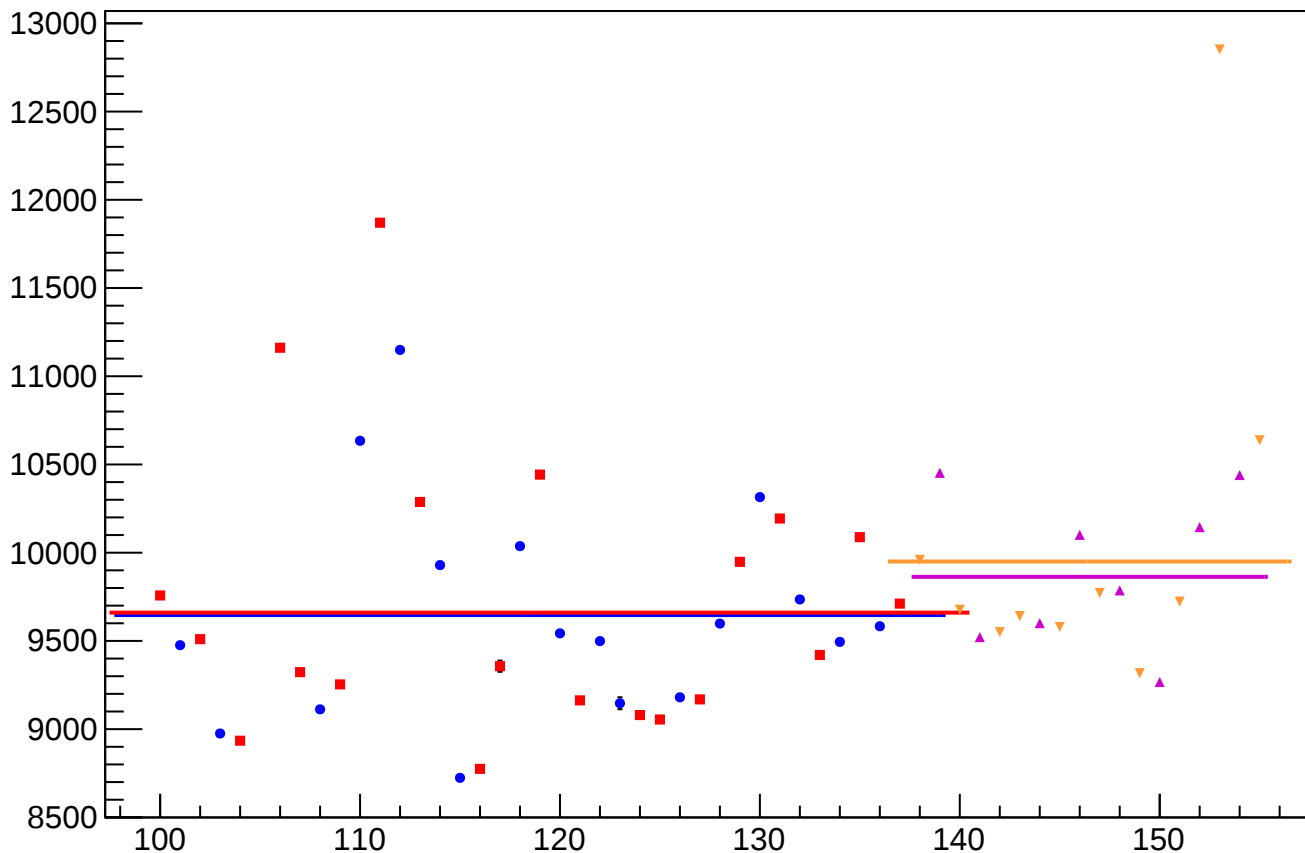
Right Out: 2.776 ± 3.618 $\chi^2/\text{NDF}: 95.7/19$

Left In: -42.116 ± 3.860 $\chi^2/\text{NDF}: 19.4/7$

-30.646 ± 2.619 $\chi^2/\text{NDF}: 229.2/26$

-18.216 ± 2.640 $\chi^2/\text{NDF}: 187.1/27$

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

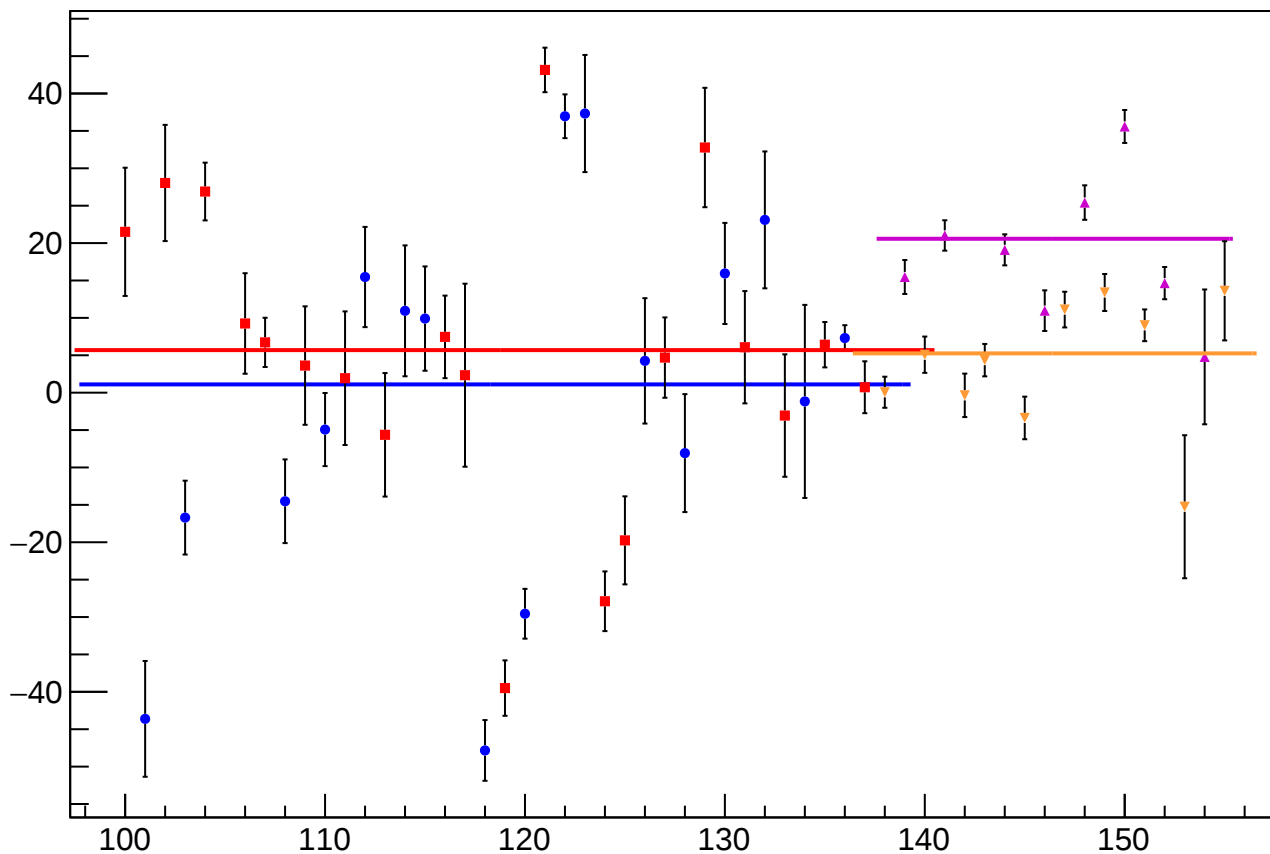
9800.345 ± 1.852 χ^2/NDF : 153349.7/26

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

9755.180 ± 1.867 χ^2/NDF : 102955.4/27

Left In: 9863.114 ± 2.730 χ^2/NDF : 22342.7/7

diff_bpm0l02Y_mean vs Slug



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

Left Out: 5.253 $\pm$ 0.830 χ^2 /NDF:45.5/9

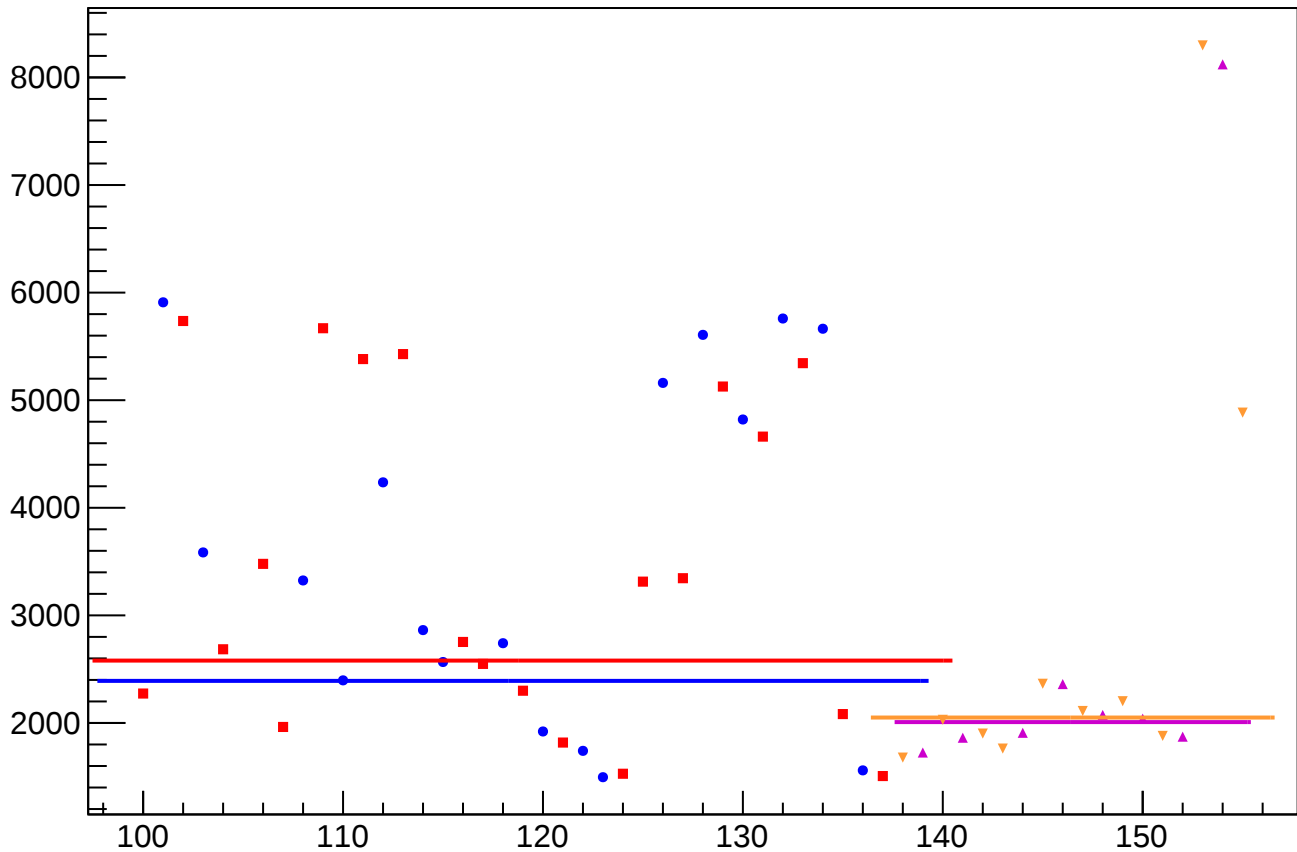
Right Out: 5.689 $\pm$ 1.087 χ^2 /NDF: 456.0/19

Left In: 20.579 $\pm$ 0.837 χ^2 /NDF:79.7/7

3.689 $\pm$ 0.655 χ^2 /NDF: 544.6/26

15.032 $\pm$ 0.663 χ^2 /NDF: 653.5/27

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

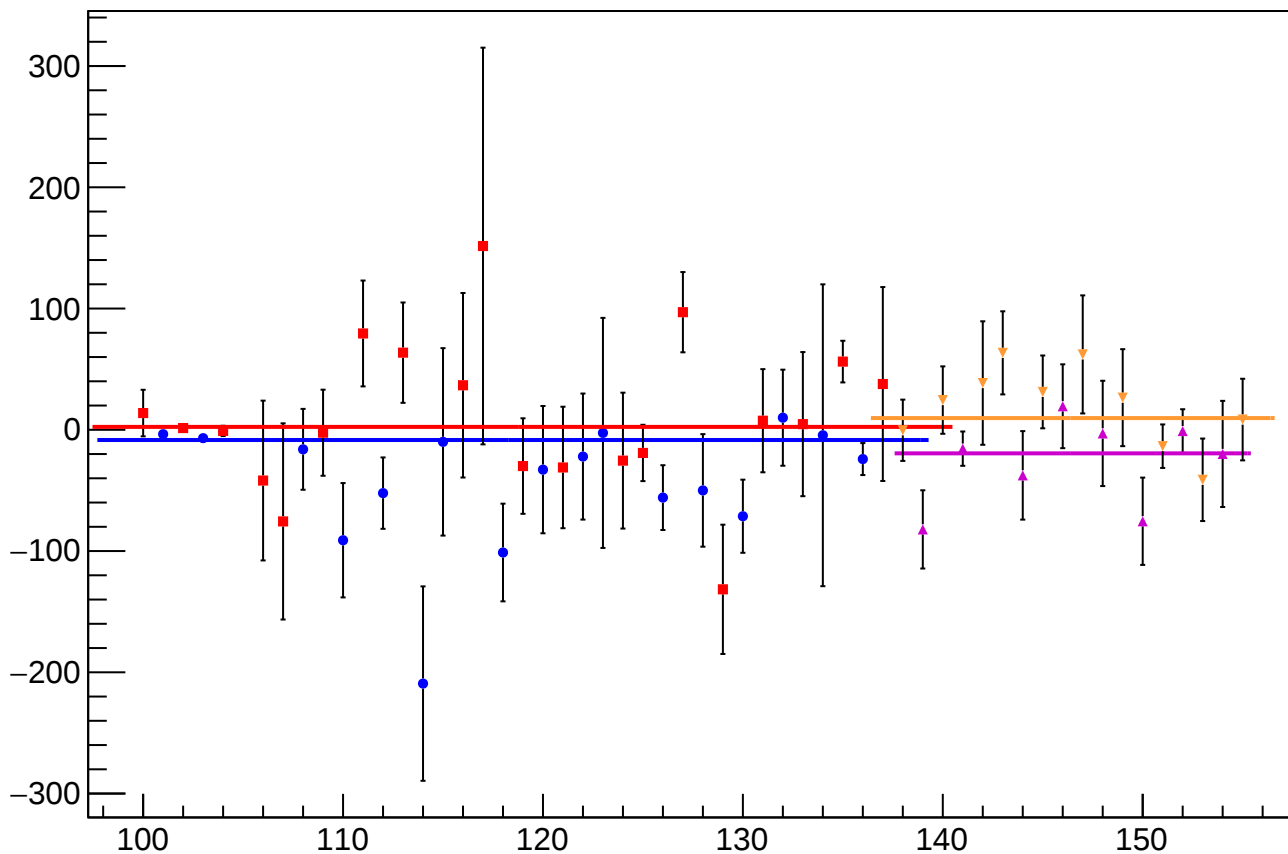
Right Out: 2579.794+/-0.768 χ^2/NDF : 2365284.2/19

Left In: 2008.086+/-0.592 χ^2/NDF :1009843.7/7

2178.967+/-0.463 χ^2/NDF : 4097915.0/26

2221.060+/-0.469 χ^2/NDF : 3722405.6/27

diff_bpm0l03X_mean vs Slug



Right In: -8.430 ± 2.587 χ^2/NDF : 28.9/16

Left Out: 9.656 ± 9.488 χ^2/NDF : 9.0/9

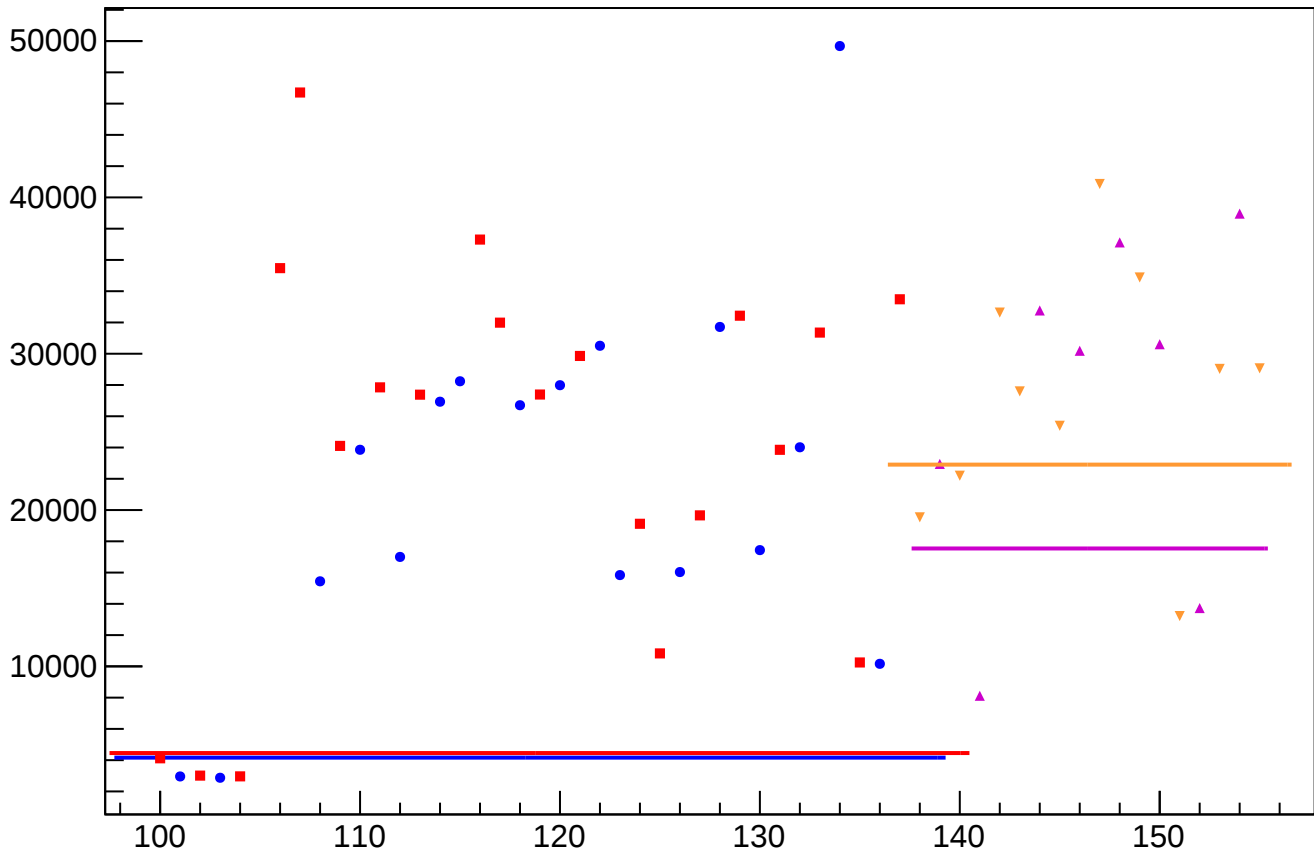
Right Out: 2.392 ± 2.786 χ^2/NDF : 35.5/19

Left In: -19.426 ± 8.959 χ^2/NDF : 9.0/7

-7.178 ± 2.496 χ^2/NDF : 41.3/26

0.467 ± 2.661 χ^2/NDF : 49.9/27

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

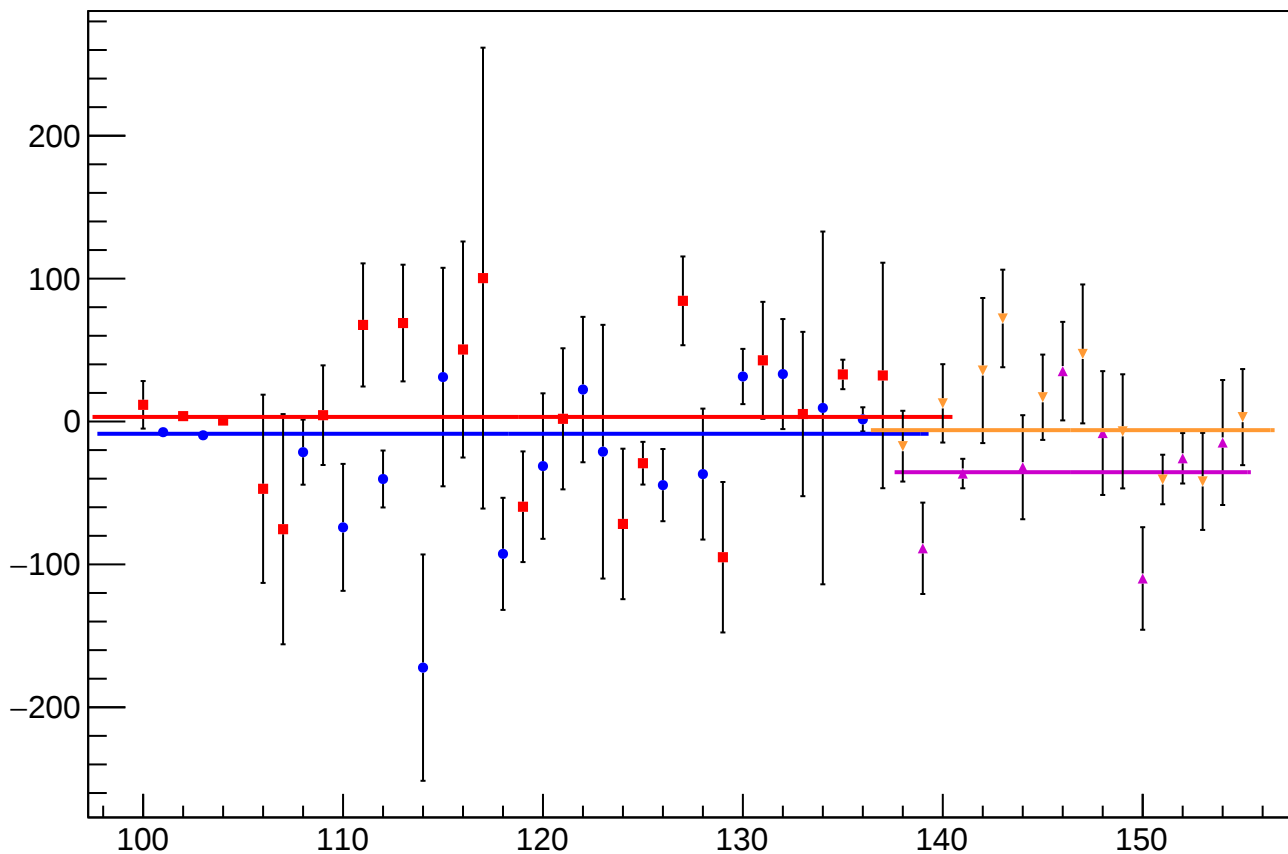
Right Out: 4455.114 ± 1.970 χ^2/NDF : 7483602.5/19

Left In: 17541.731 ± 6.335 χ^2/NDF : 2798046.6/7

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

5609.453 ± 1.881 χ^2/NDF : 14172960.0/27

diff_bpm0l03Y_mean vs Slug



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

Left Out: -6.054+/-9.343 χ^2/NDF :13.5/9

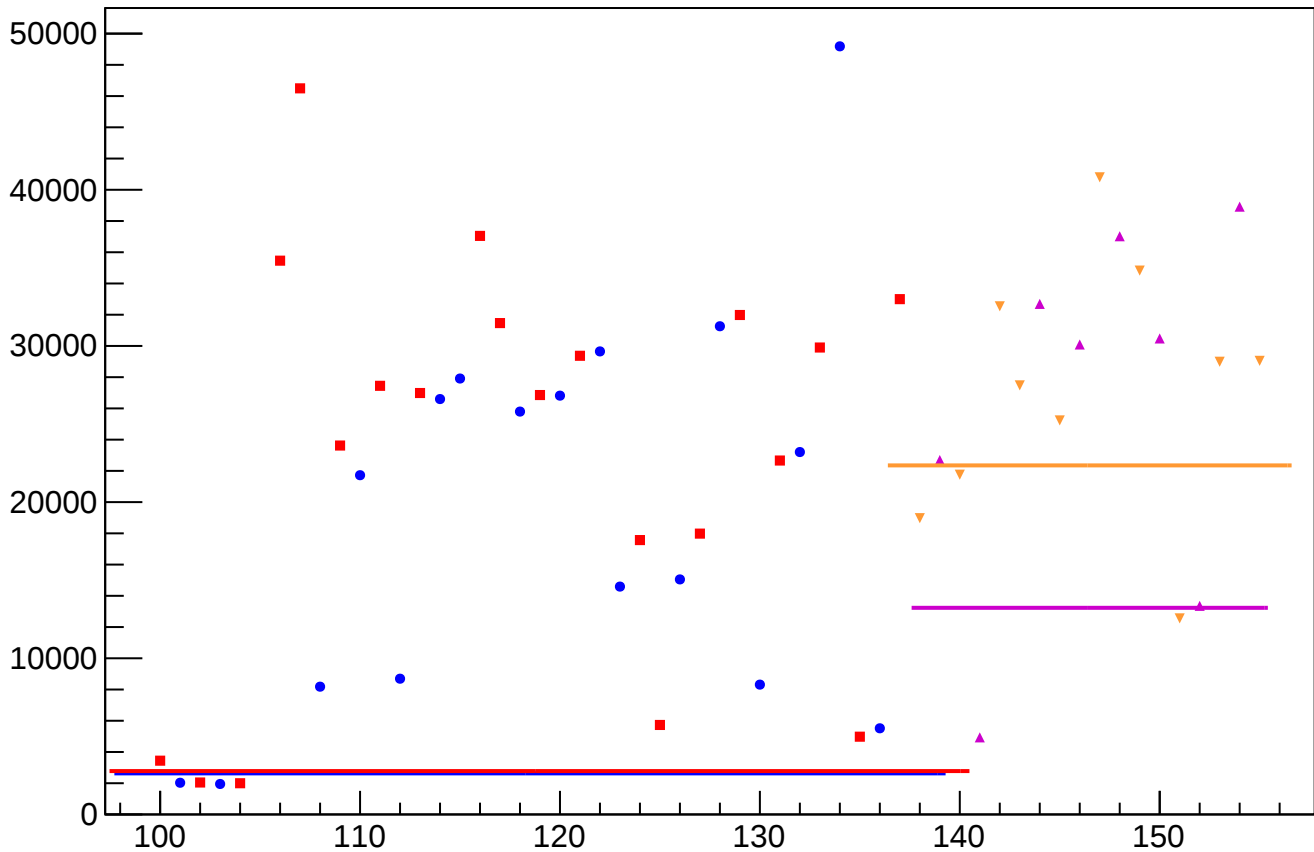
Right Out: 3.208+/-1.922 χ^2/NDF : 37.2/19

Left In: -35.472+/-7.666 χ^2/NDF :12.2/7

-8.498+/-1.746 χ^2/NDF : 38.0/26

0.920+/-1.864 χ^2/NDF : 73.4/27

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

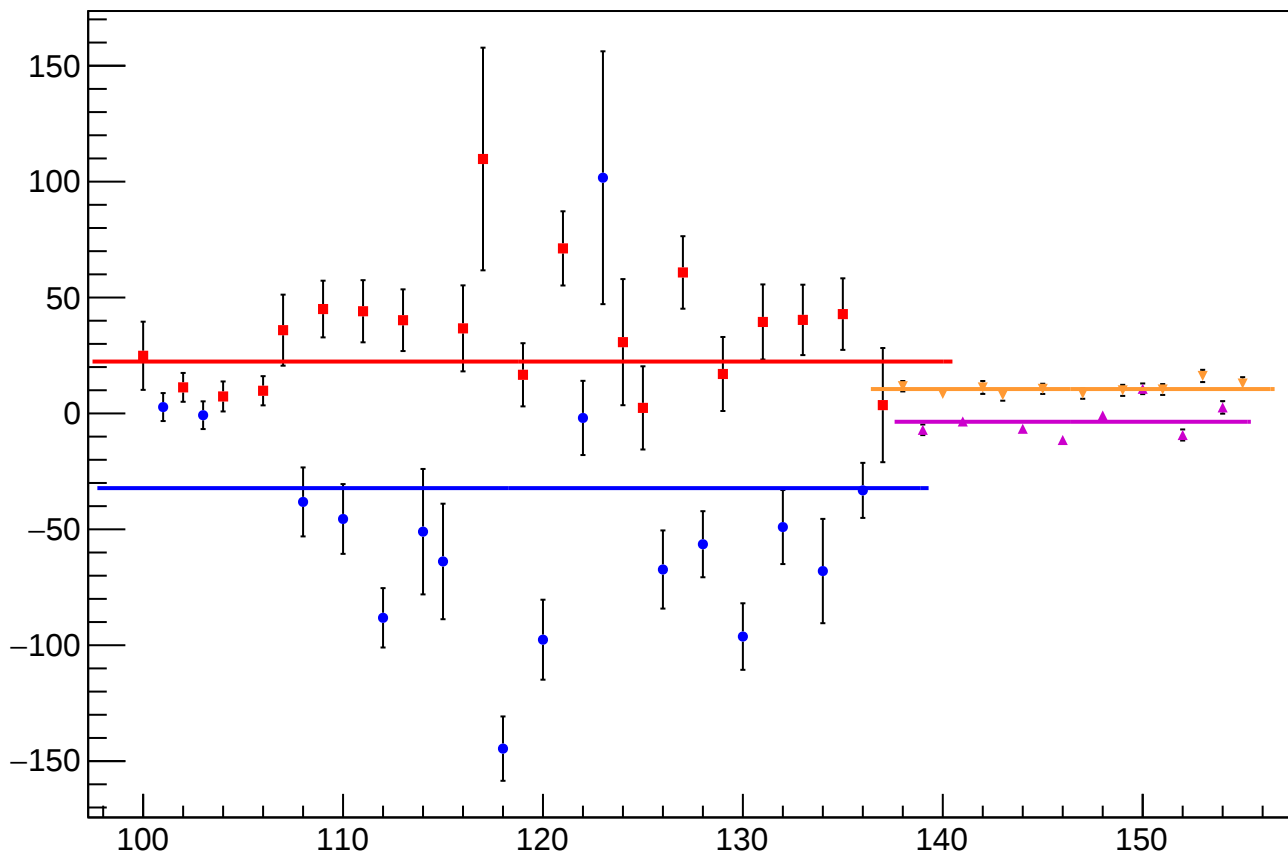
Right Out: 2777.521+/-1.359 χ^2/NDF : 7899165.0/19

Left In: 13231.977+/-5.420 χ^2/NDF :4274183.7/7

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

3395.915+/-1.318 χ^2/NDF : 15673160.2/27

diff_bpm0l04X_mean vs Slug



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

Left Out: 10.520 ± 0.753 $\chi^2/\text{NDF}: 8.7/9$

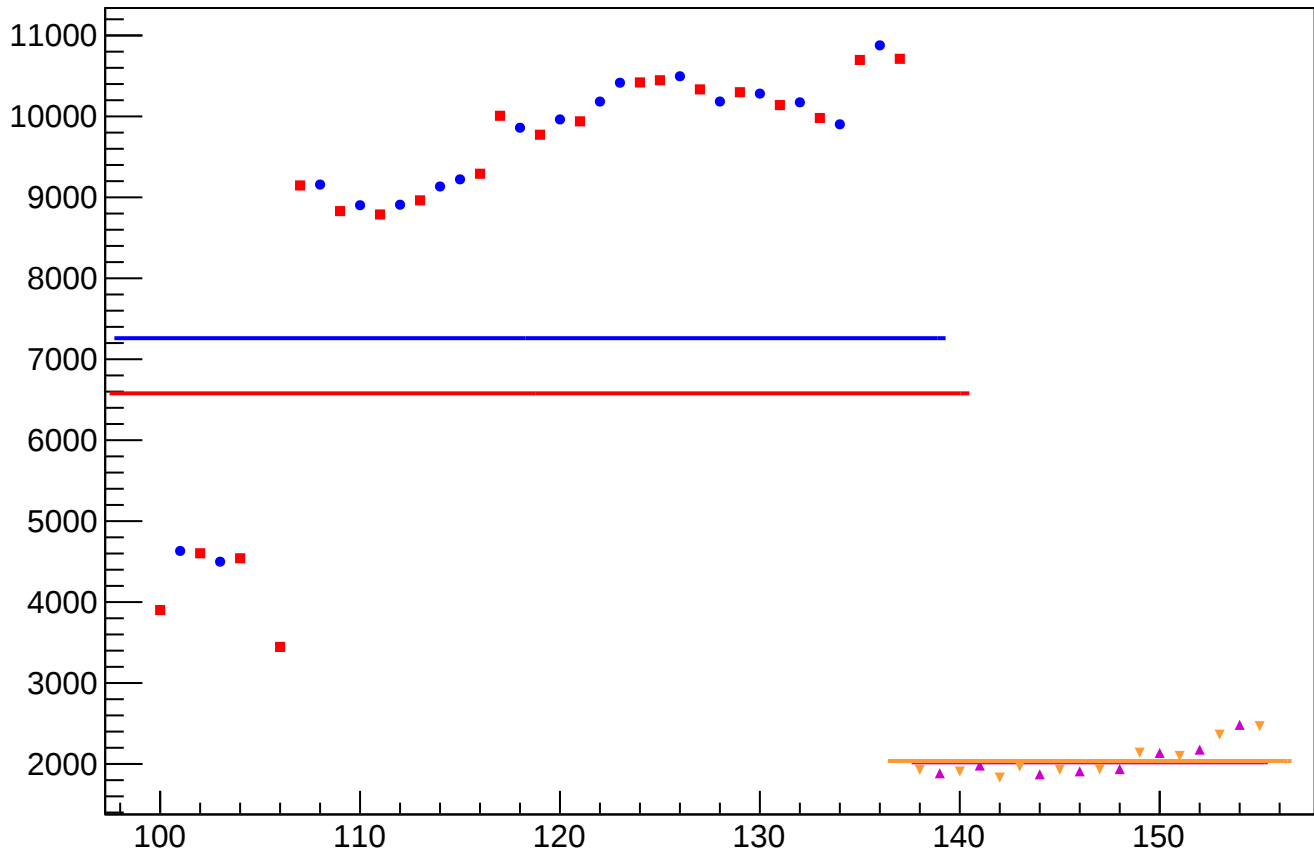
Right Out: 22.381 ± 2.665 $\chi^2/\text{NDF}: 47.0/19$

Left In: -3.596 ± 0.793 $\chi^2/\text{NDF}: 69.2/7$

7.957 ± 0.730 $\chi^2/\text{NDF}: 405.6/26$

-1.484 ± 0.760 $\chi^2/\text{NDF}: 203.5/27$

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

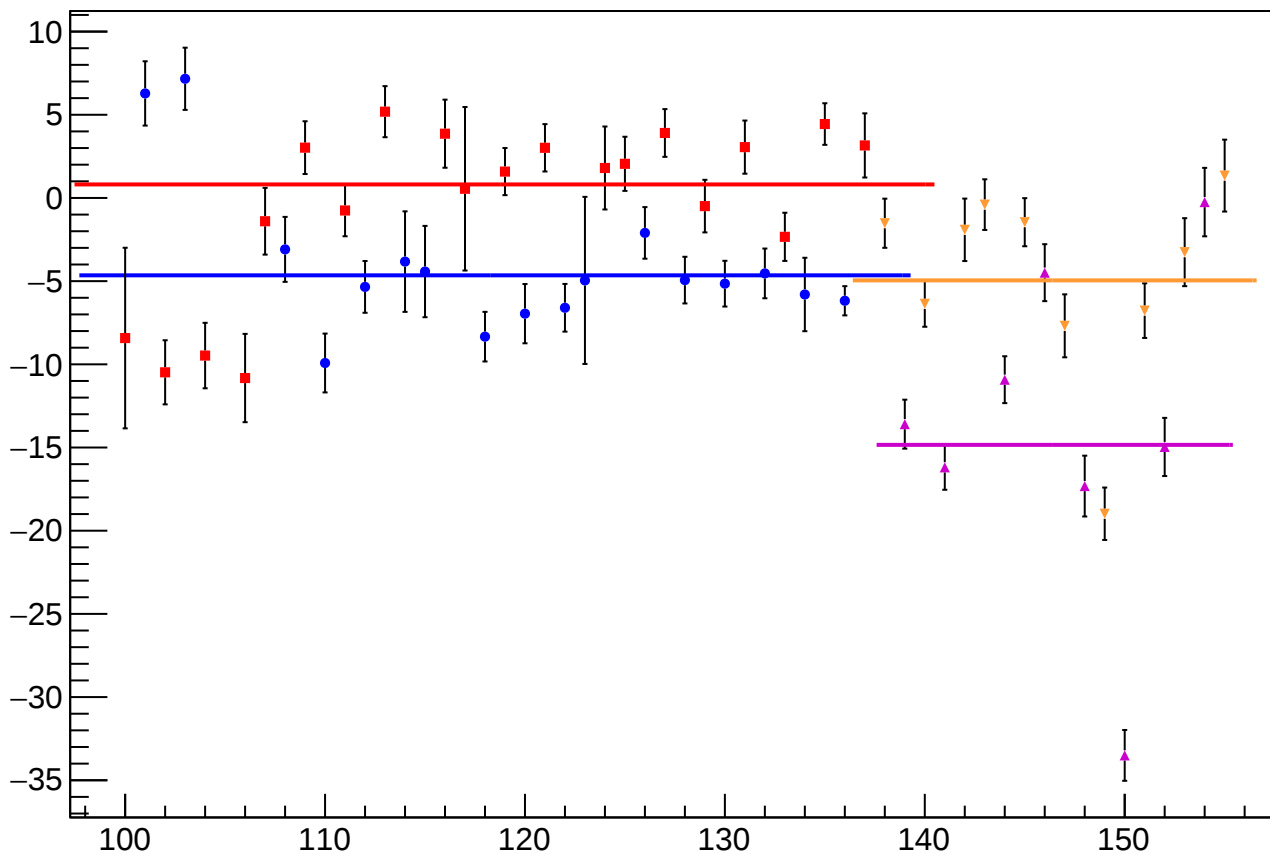
2350.101+/-0.516 χ^2/NDF : 7524222.6/26

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

2390.575+/-0.537 χ^2/NDF : 7681889.1/27

Left In: 2019.932+/-0.561 χ^2/NDF : 99177.2/7

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

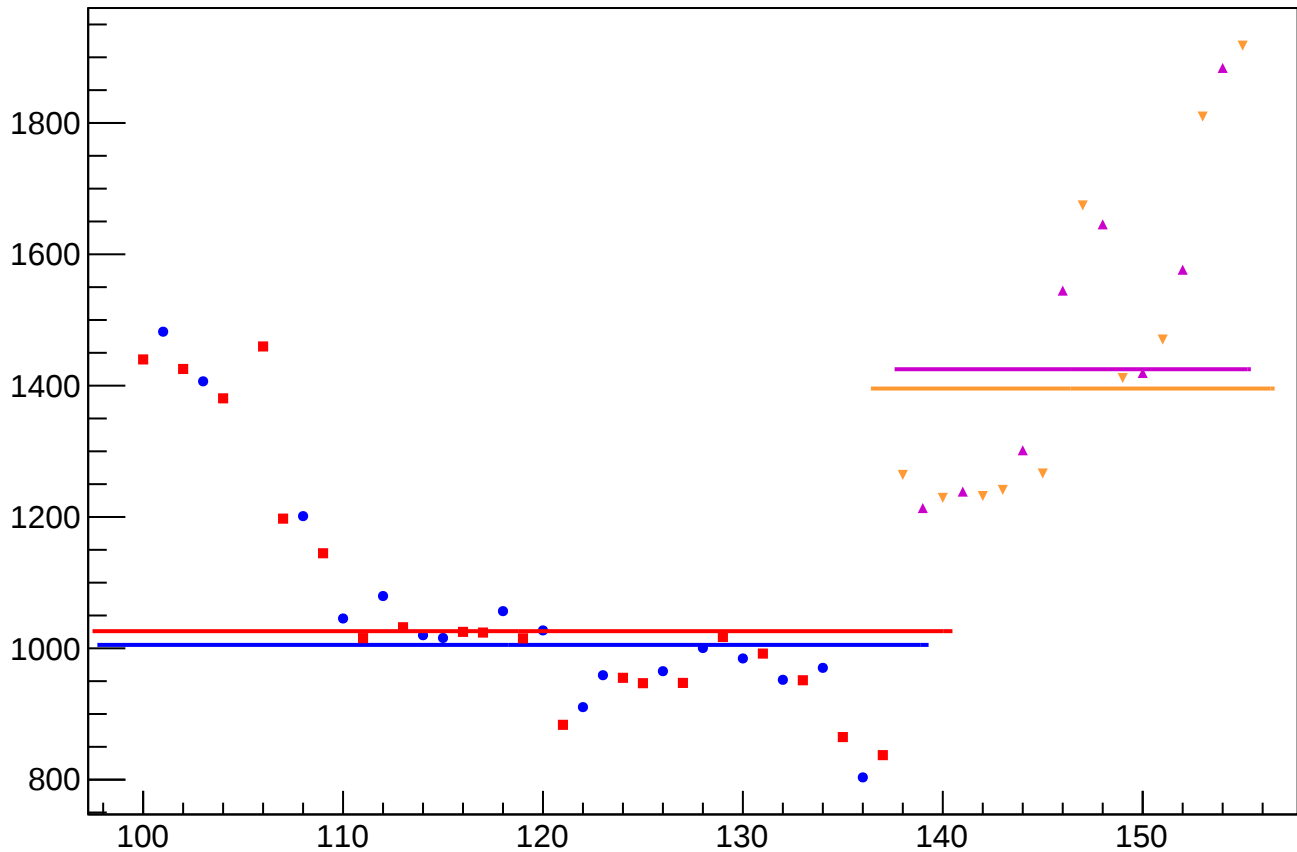
Right Out: 0.813 ± 0.387 χ^2/NDF : 123.7/19

Left In: -14.841 ± 0.564 χ^2/NDF : 247.5/7

-4.761 ± 0.314 χ^2/NDF : 213.4/26

-4.209 ± 0.319 χ^2/NDF : 895.3/27

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

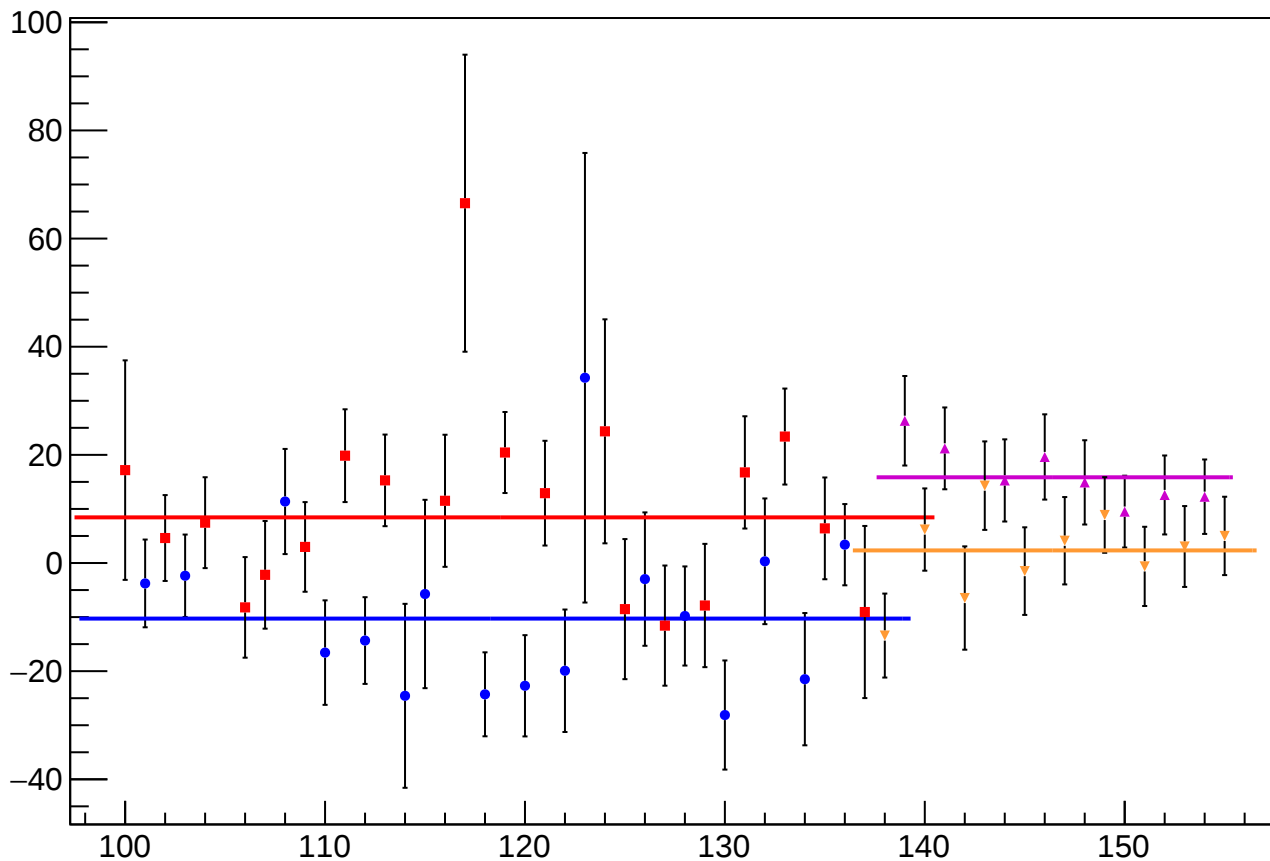
Right Out: 1026.145+/-0.274 χ^2/NDF : 333119.4/19

Left In: 1425.010+/-0.398 χ^2/NDF : 248292.9/7

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

1154.109+/-0.226 χ^2/NDF : 1261971.4/27

diff_bpm0l05X_mean vs Slug



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

Left Out: 2.330 ± 2.452 χ^2/NDF : 8.8/9

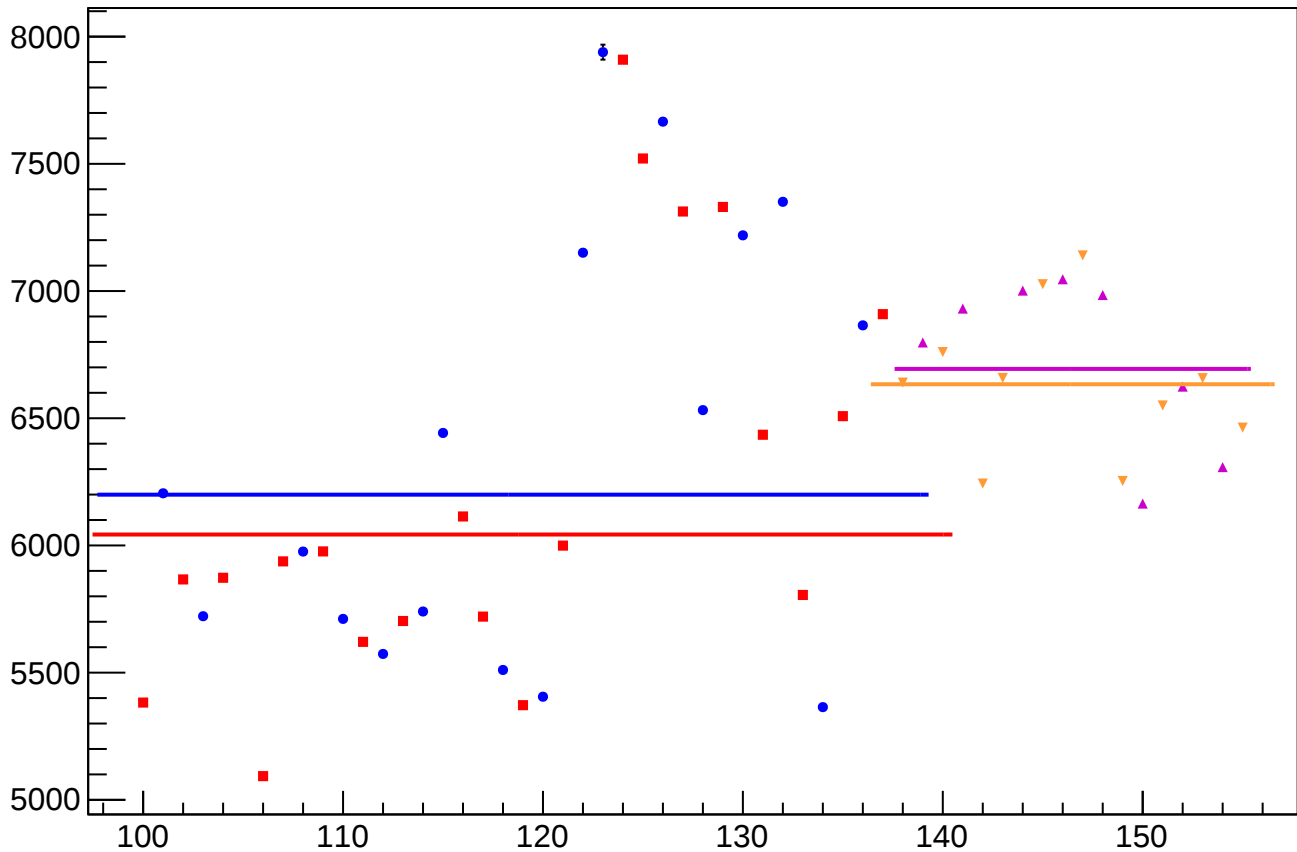
Right Out: 8.441 ± 2.271 χ^2/NDF : 27.3/19

Left In: 15.853 ± 2.631 χ^2/NDF : 3.7/7

-4.089 ± 1.718 χ^2/NDF : 45.8/26

11.605 ± 1.719 χ^2/NDF : 35.5/27

diff_bpm0l05X_rms vs Slug



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

Left Out: 6633.596+/-1.734 χ^2/NDF : 23776.1/9

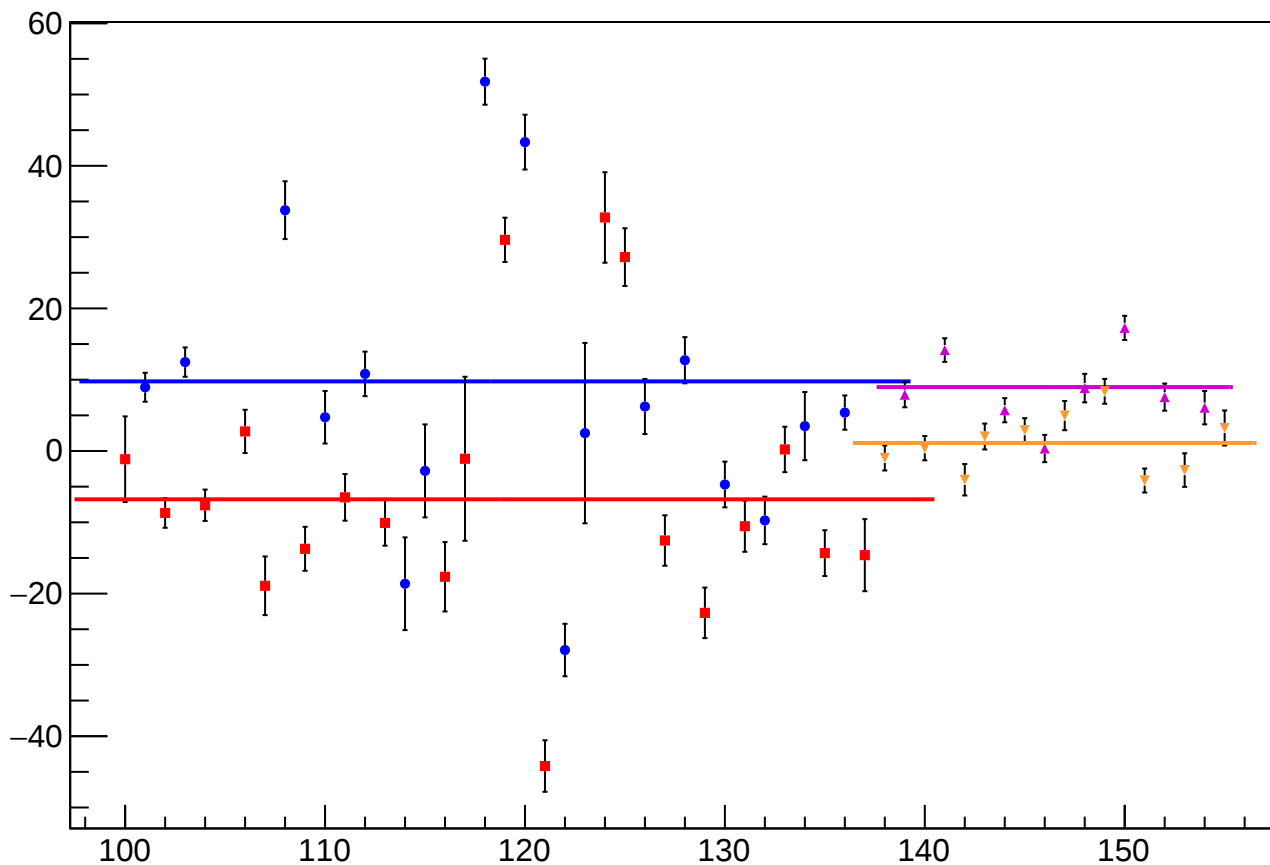
Right Out: 6042.952+/-1.606 χ^2/NDF : 158600.9/19

Left In: 6693.949+/-1.860 χ^2/NDF : 31506.5/7

6412.650+/-1.215 χ^2/NDF : 227429.8/26

6320.833+/-1.216 χ^2/NDF : 260281.7/27

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

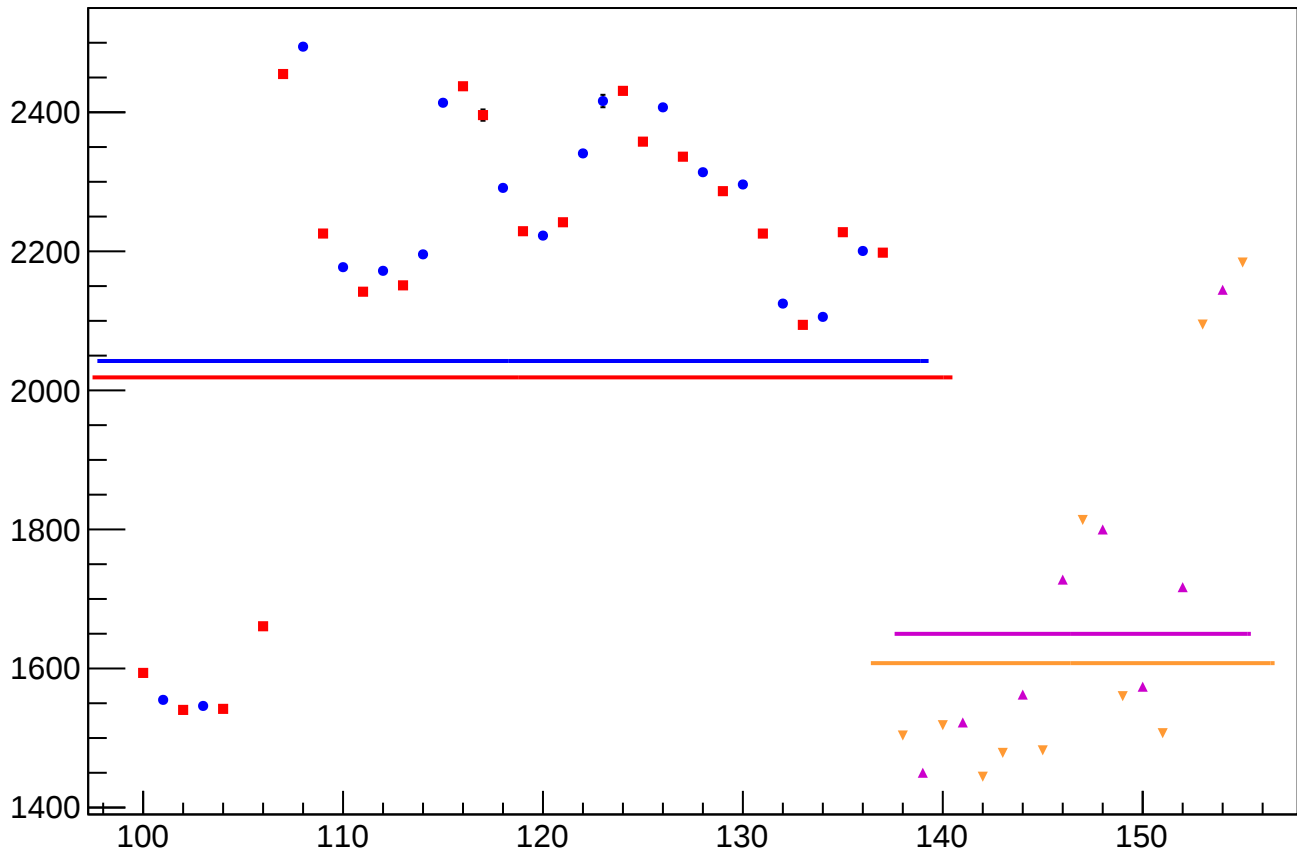
Right Out: -6.776 ± 0.763 χ^2/NDF : 422.1/19

Left In: 8.964 ± 0.650 χ^2/NDF : 60.1/7

4.241 ± 0.478 χ^2/NDF : 591.3/26

2.343 ± 0.495 χ^2/NDF : 728.7/27

diff_bpm0l05Y_rms vs Slug



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

Left Out: 1607.689 $\pm$ 0.423 χ^2 /NDF: 269443.4/9

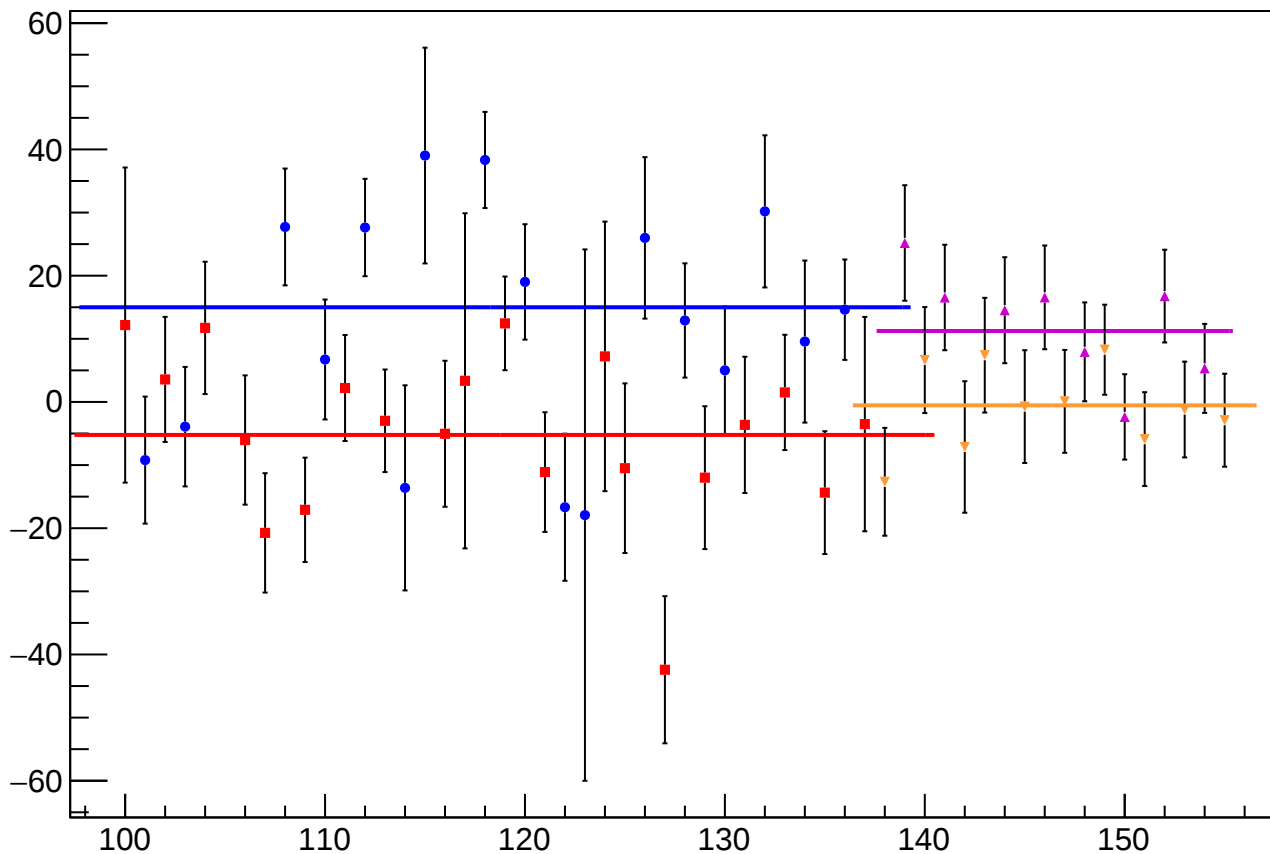
Right Out: 2018.694 $\pm$ 0.540 χ^2 /NDF: 377792.4/19

Left In: 1649.835 $\pm$ 0.460 χ^2 /NDF: 153762.1/7

1764.265 $\pm$ 0.338 χ^2 /NDF: 1006806.2/26

1804.995 $\pm$ 0.350 χ^2 /NDF: 802298.7/27

diff_bpm0l06X_mean vs Slug



Right In: 14.997 ± 2.485 $\chi^2/\text{NDF}: 41.3/16$

Left Out: -0.541 ± 2.579 $\chi^2/\text{NDF}: 6.1/9$

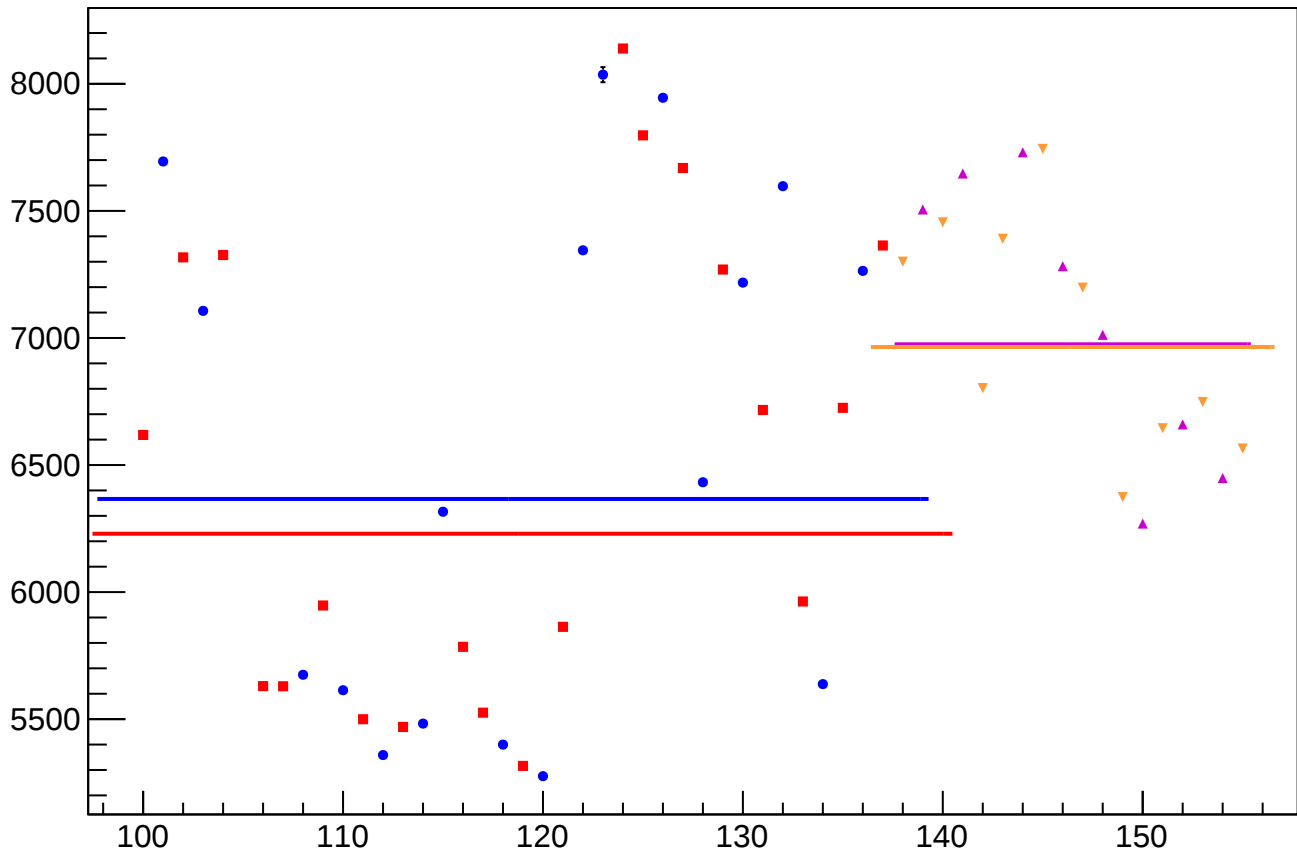
Right Out: -5.223 ± 2.348 $\chi^2/\text{NDF}: 28.2/19$

Left In: 11.237 ± 2.751 $\chi^2/\text{NDF}: 8.8/7$

7.515 ± 1.790 $\chi^2/\text{NDF}: 66.2/26$

1.714 ± 1.786 $\chi^2/\text{NDF}: 57.7/27$

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

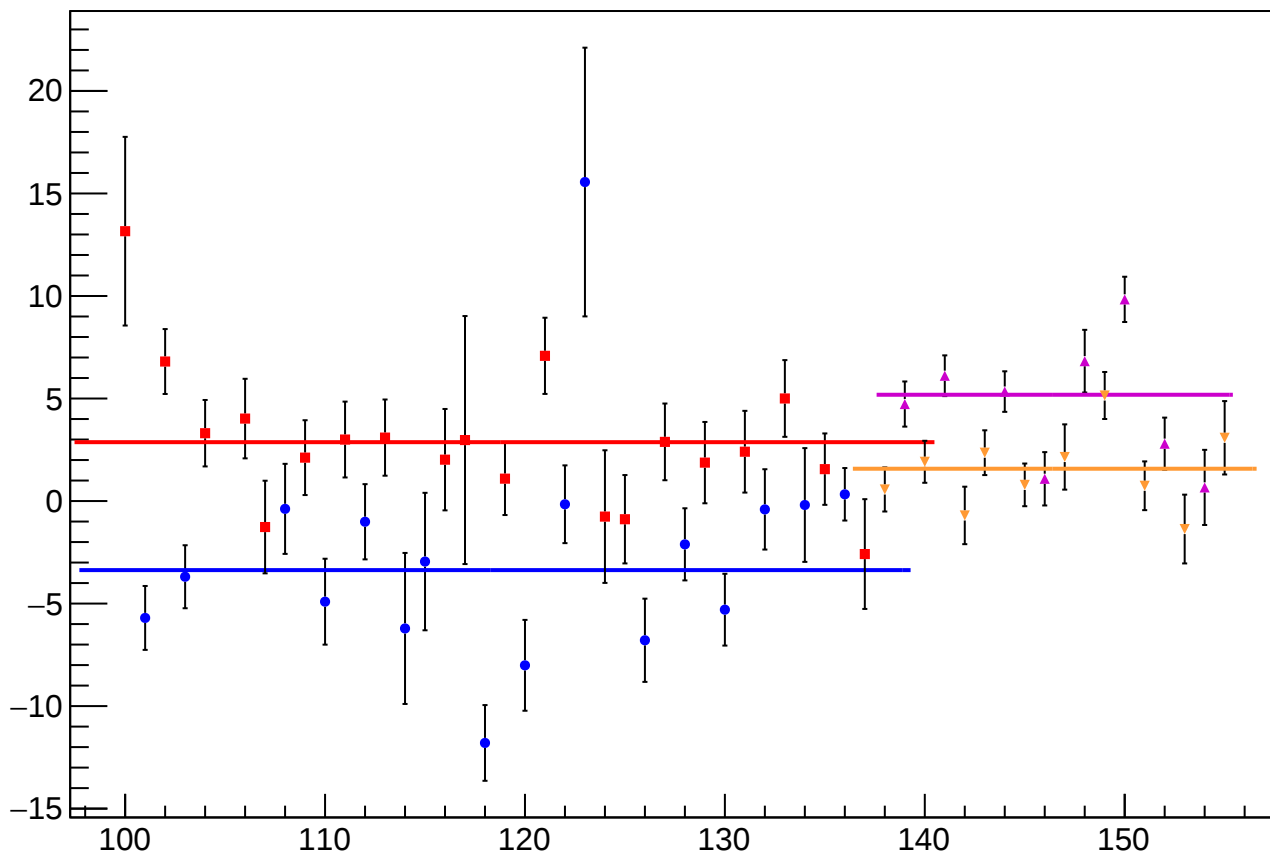
Right Out: 6229.625 ± 1.660 χ^2/NDF : 244622.7/19

Left In: 6975.013 ± 1.945 χ^2/NDF : 75321.0/7

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

6543.753 ± 1.263 χ^2/NDF : 404875.2/27

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

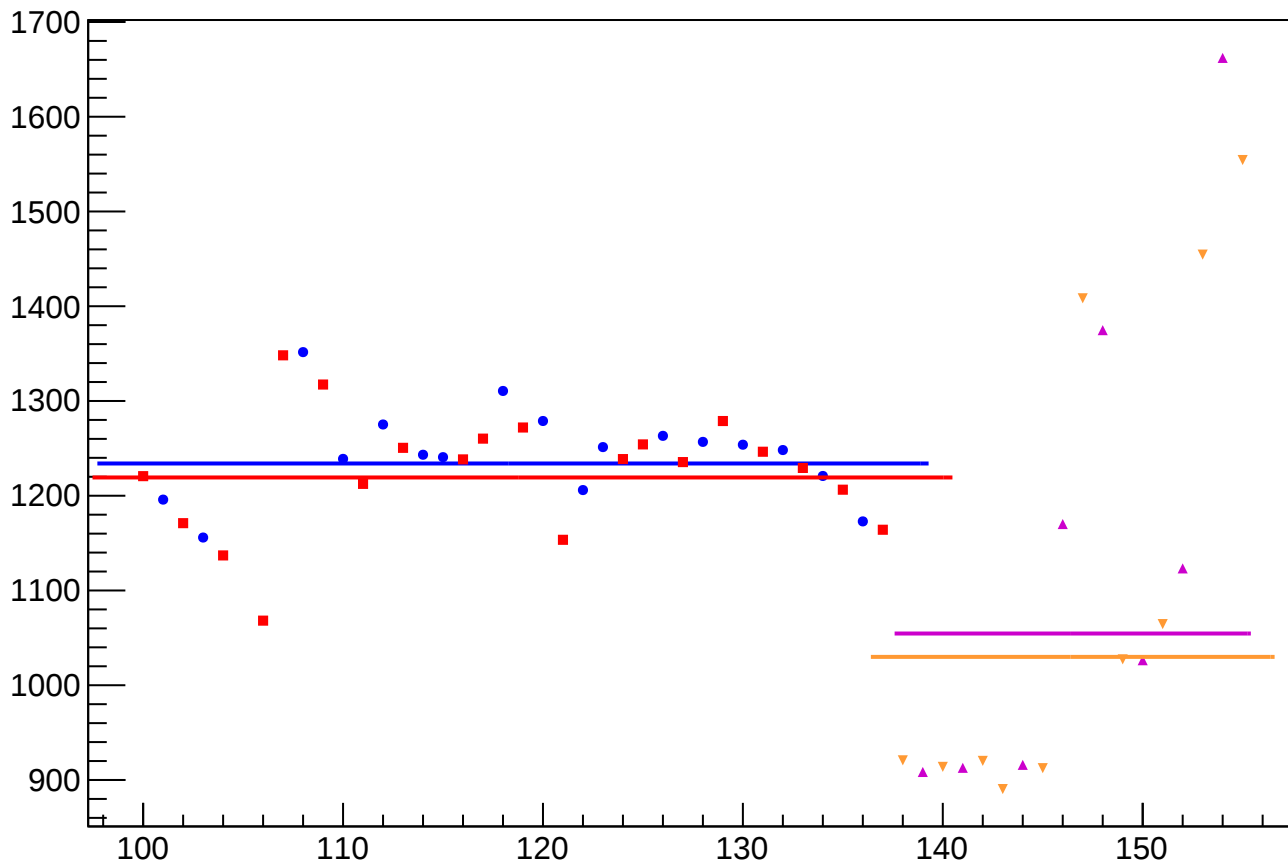
Right Out: 2.871 ± 0.455 χ^2/NDF : 32.0/19

Left In: 5.183 ± 0.422 χ^2/NDF : 39.5/7

-0.404 ± 0.301 χ^2/NDF : 143.5/26

4.115 ± 0.309 χ^2/NDF : 85.4/27

diff_bpm0l06Y_rms vs Slug



Right In: 1234.032 $\pm$ 0.336 χ^2 /NDF: 23565.3/16

Left Out: 1029.919 $\pm$ 0.275 χ^2 /NDF: 531282.5/9

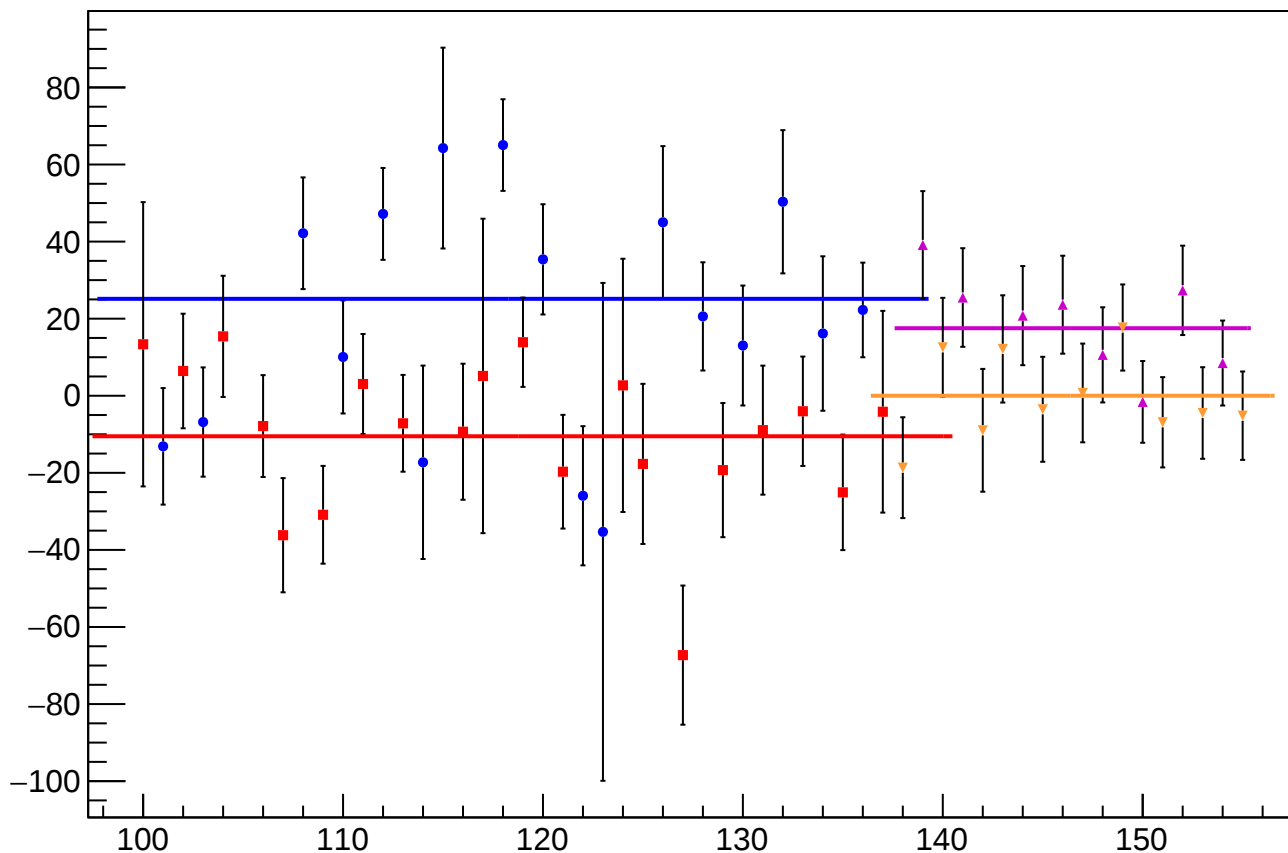
Right Out: 1219.275 $\pm$ 0.322 χ^2 /NDF: 40462.8/19

Left In: 1054.582 $\pm$ 0.298 χ^2 /NDF: 445964.8/7

1111.663 $\pm$ 0.213 χ^2 /NDF: 775763.1/26

1130.700 $\pm$ 0.219 χ^2 /NDF: 627287.5/27

diff_bpm0l07X_mean vs Slug



Right In: 25.149 $\pm$ 3.837 χ^2/NDF : 46.9/16

Left Out: 0.007 $\pm$ 4.001 χ^2/NDF : 7.3/9

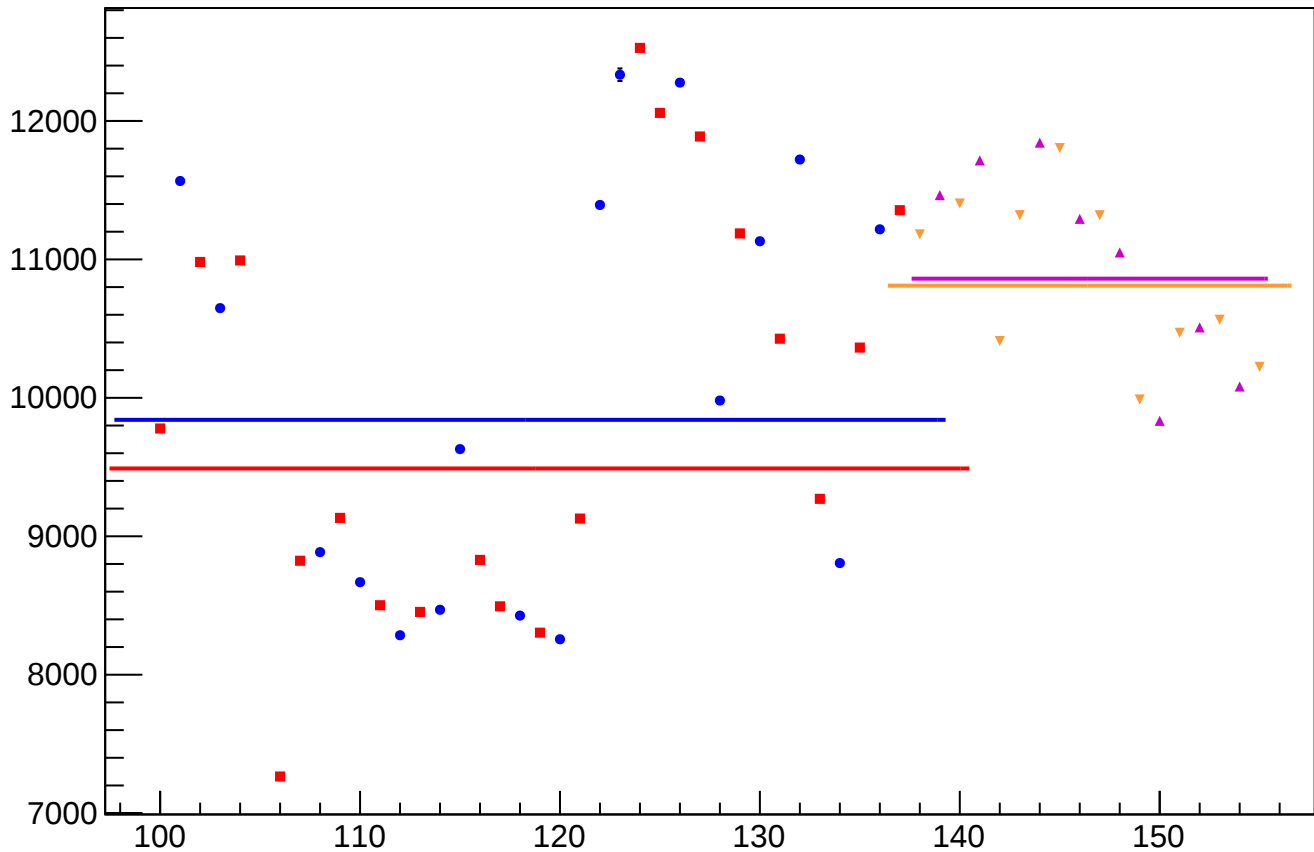
Right Out: -10.513 $\pm$ 3.581 χ^2/NDF : 27.8/19

Left In: 17.525 $\pm$ 4.280 χ^2/NDF : 8.0/7

13.102 $\pm$ 2.769 χ^2/NDF : 74.8/26

1.032 $\pm$ 2.746 χ^2/NDF : 61.1/27

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

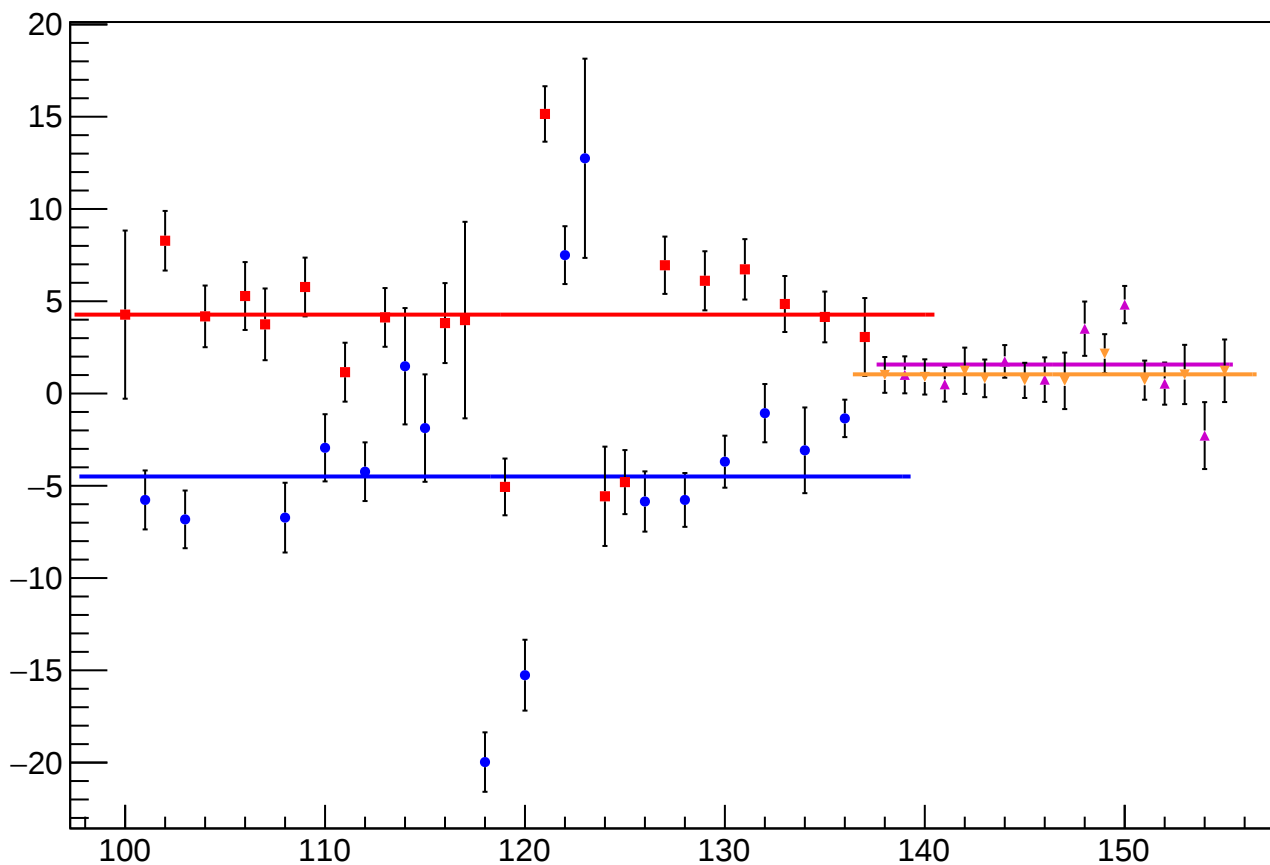
Right Out: 9489.753+/-2.532 χ^2/NDF : 277900.5/19

Left In: 10860.926+/-3.026 χ^2/NDF : 57690.0/7

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

10054.336+/-1.942 χ^2/NDF : 456341.7/27

diff_bpm0l07Y_mean vs Slug



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

Left Out: 1.040 ± 0.358 $\chi^2/\text{NDF}: 1.5/9$

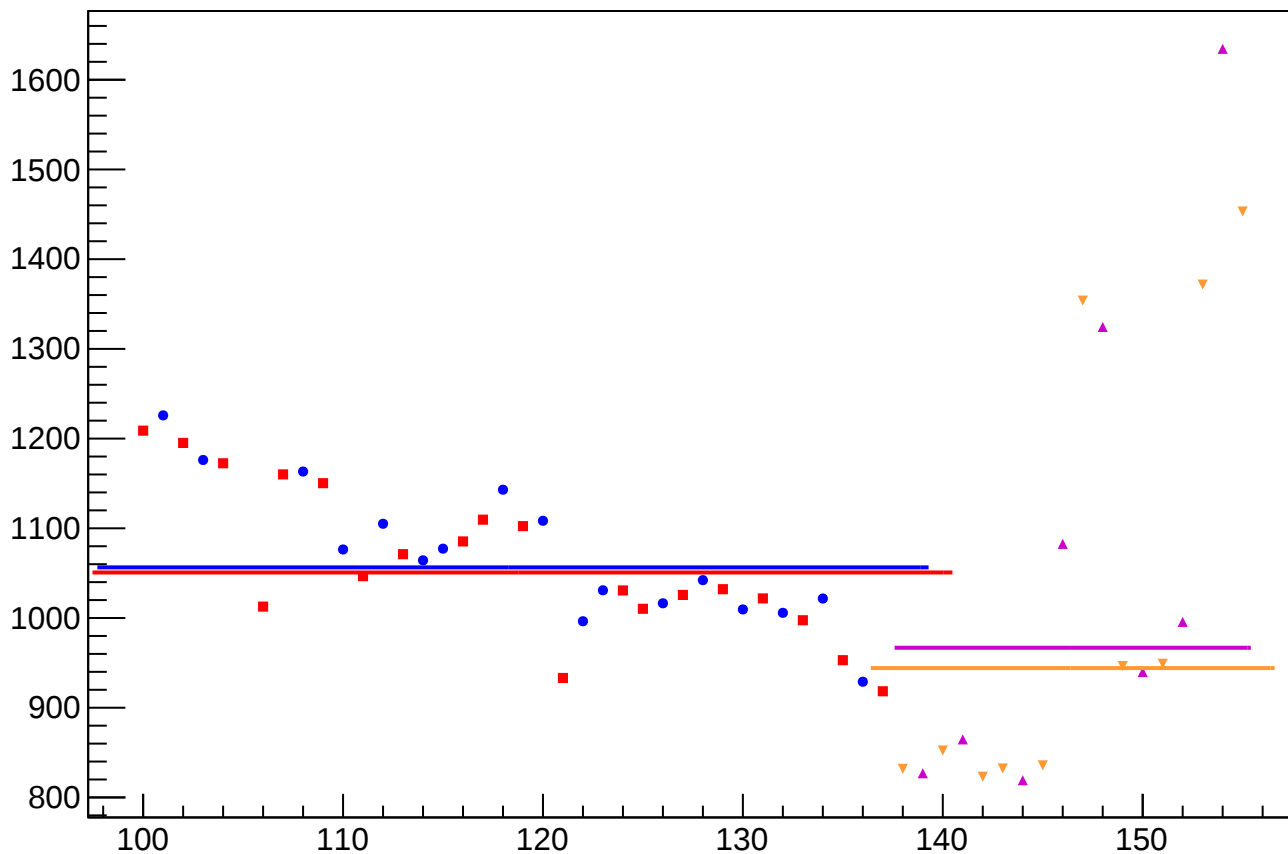
Right Out: 4.275 ± 0.393 $\chi^2/\text{NDF}: 148.2/19$

Left In: 1.571 ± 0.389 $\chi^2/\text{NDF}: 19.5/7$

-1.367 ± 0.269 $\chi^2/\text{NDF}: 323.9/26$

2.910 ± 0.276 $\chi^2/\text{NDF}: 191.7/27$

diff_bpm0l07Y_rms vs Slug



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

Left Out: 944.199+/-0.253 χ^2/NDF : 579419.6/9

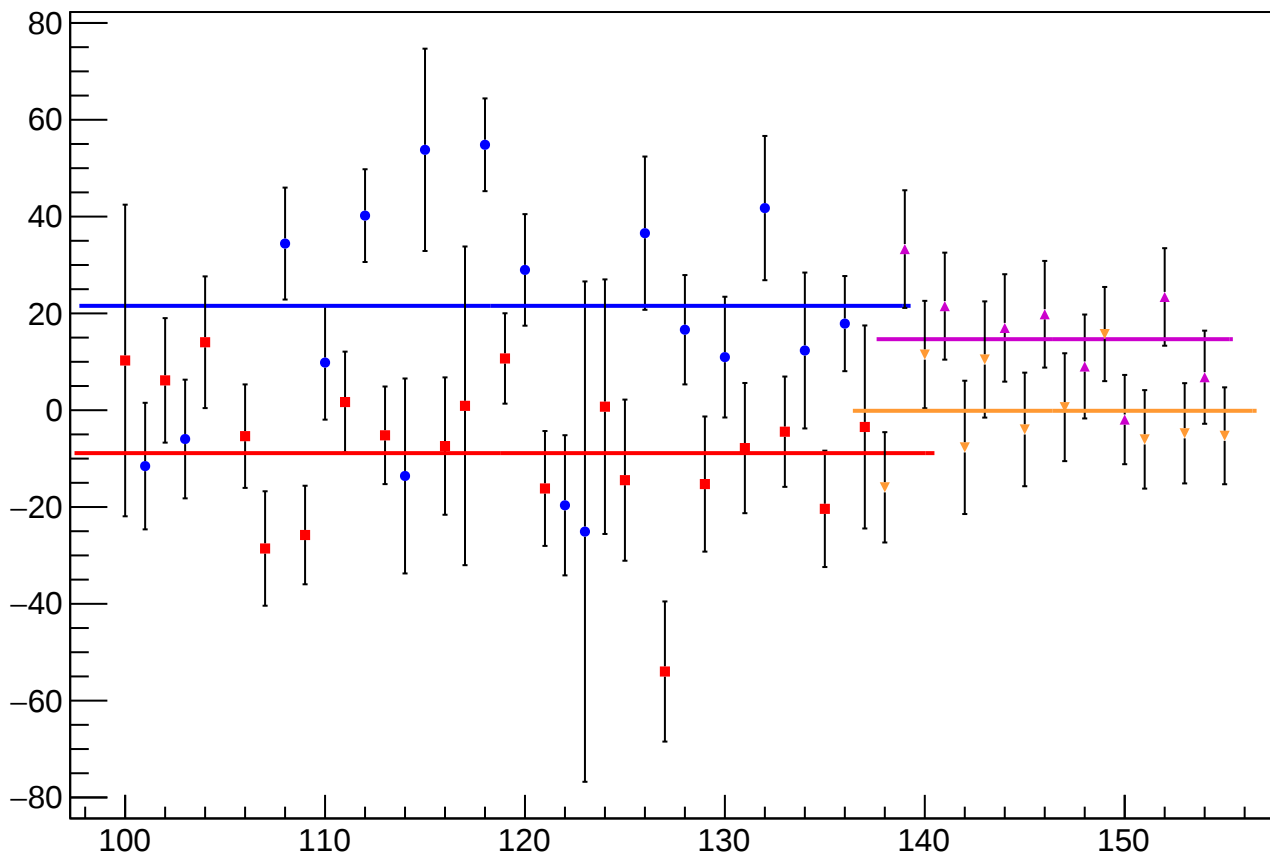
Right Out: 1050.765+/-0.278 χ^2/NDF : 82642.2/19

Left In: 966.855+/-0.275 χ^2/NDF : 528763.8/7

992.989+/-0.190 χ^2/NDF : 755680.4/26

1008.416+/-0.195 χ^2/NDF : 657461.4/27

diff_bpm0l08X_mean vs Slug



Right In: 21.561 $\pm$ 3.110 χ^2 /NDF: 48.4/16

Left Out: -0.122 $\pm$ 3.473 χ^2 /NDF: 7.7/9

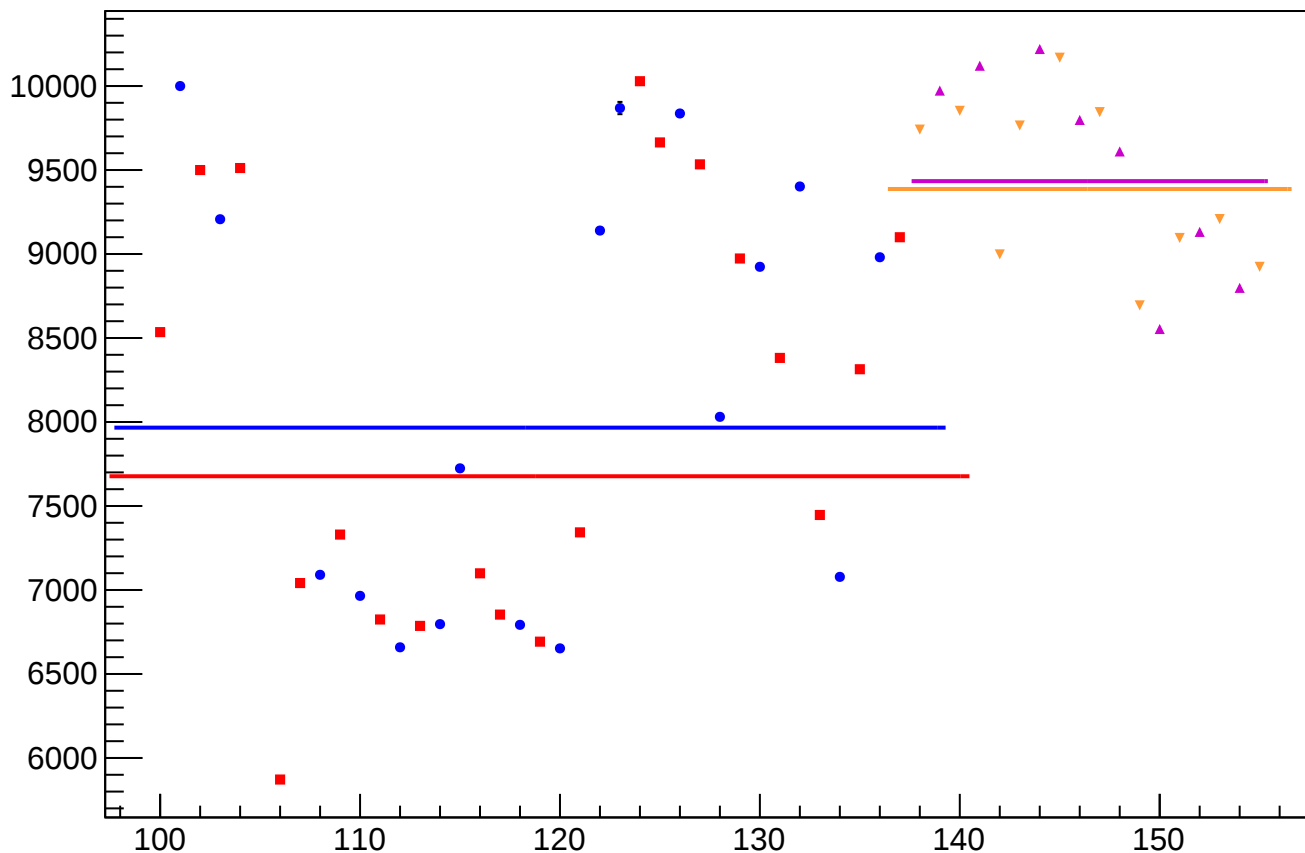
Right Out: -8.867 $\pm$ 2.901 χ^2 /NDF: 27.5/19

Left In: 14.673 $\pm$ 3.716 χ^2 /NDF: 7.9/7

11.912 $\pm$ 2.317 χ^2 /NDF: 77.7/26

0.044 $\pm$ 2.287 χ^2 /NDF: 60.4/27

diff_bpm0l08X_rms vs Slug



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

Left Out: 9387.053+/-2.456 χ^2/NDF :37936.1/9

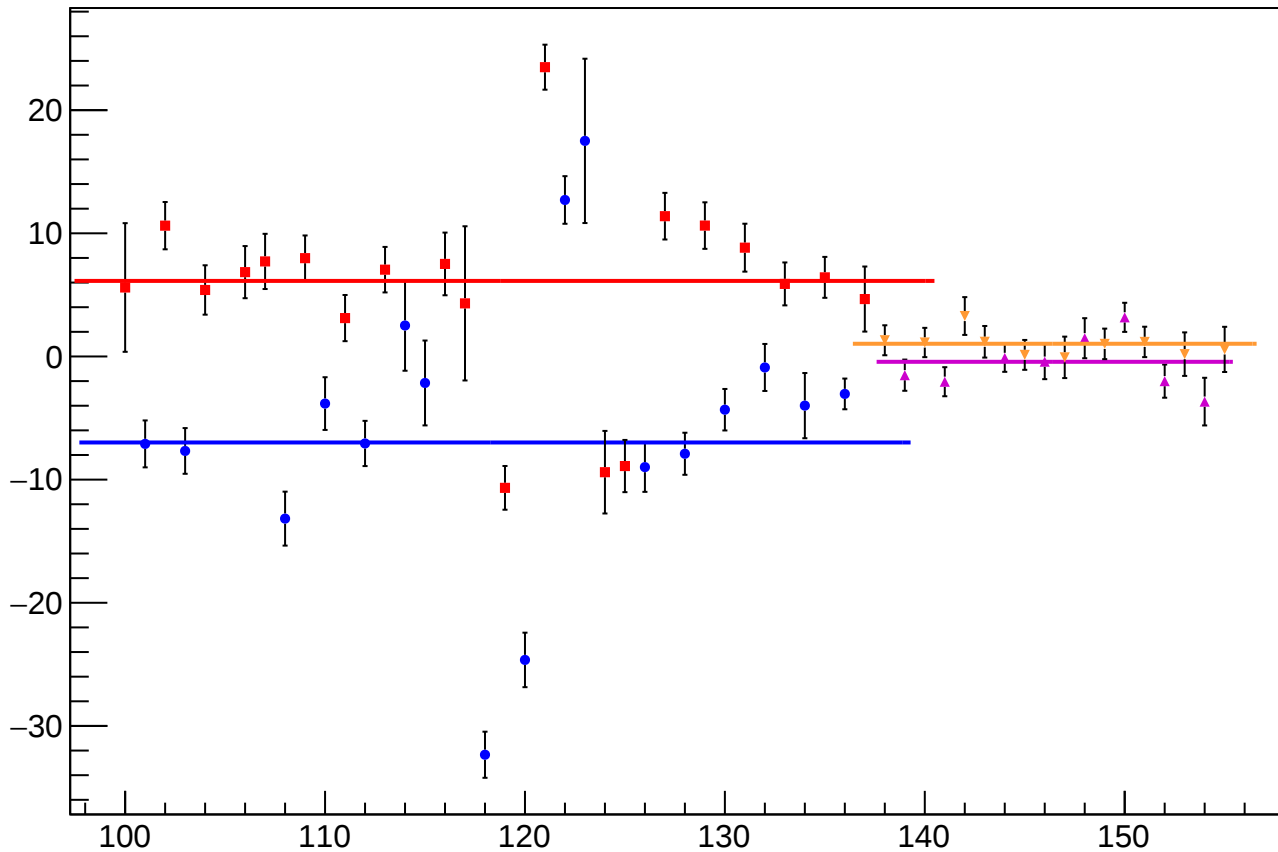
Right Out: 7677.035+/-2.051 χ^2/NDF : 316295.2/19

Left In: 9433.858+/-2.628 χ^2/NDF :53168.3/7

8598.610+/-1.638 χ^2/NDF : 520222.8/26

8342.066+/-1.617 χ^2/NDF : 647205.6/27

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

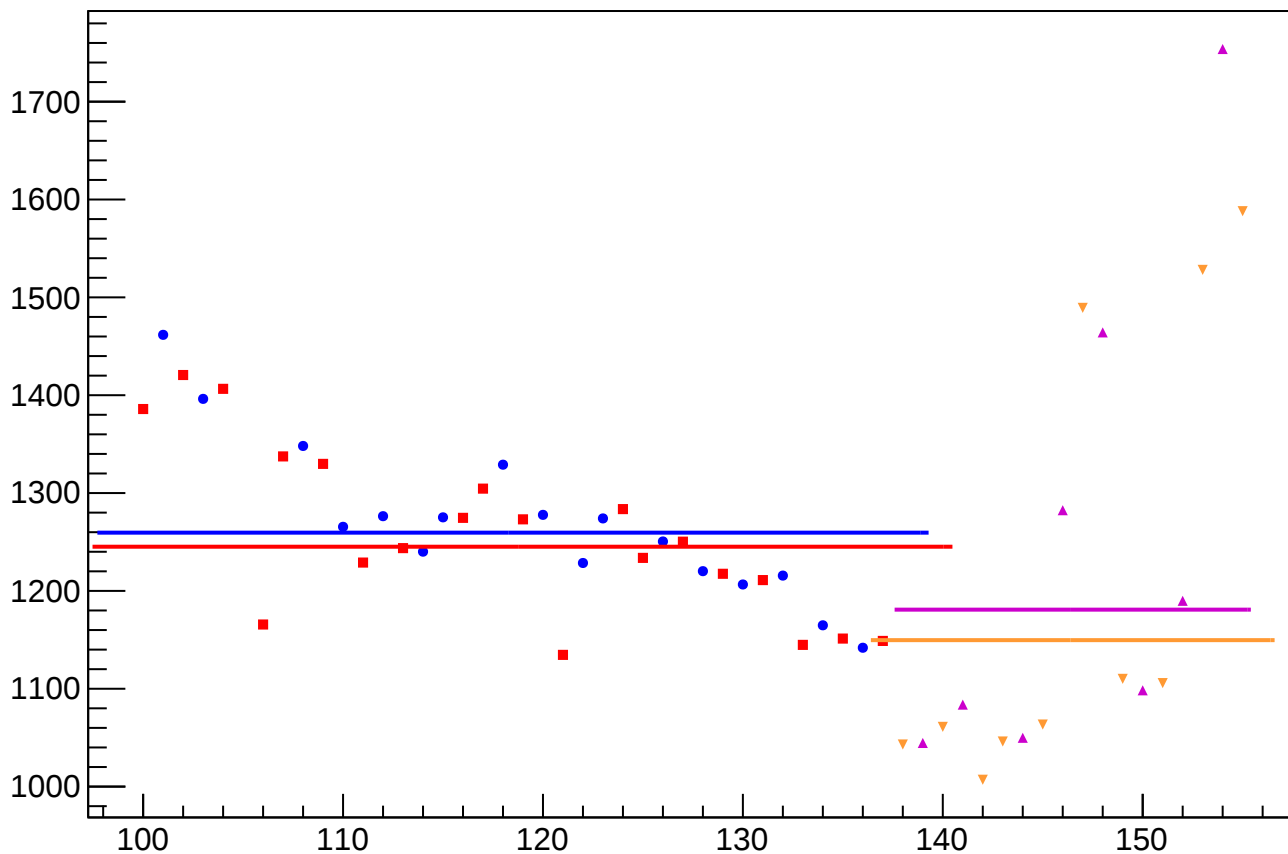
Right Out: 6.135 ± 0.465 χ^2/NDF : 277.6/19

Left In: -0.434 ± 0.470 χ^2/NDF : 17.6/7

-2.500 ± 0.323 χ^2/NDF : 564.1/26

2.883 ± 0.331 χ^2/NDF : 393.8/27

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

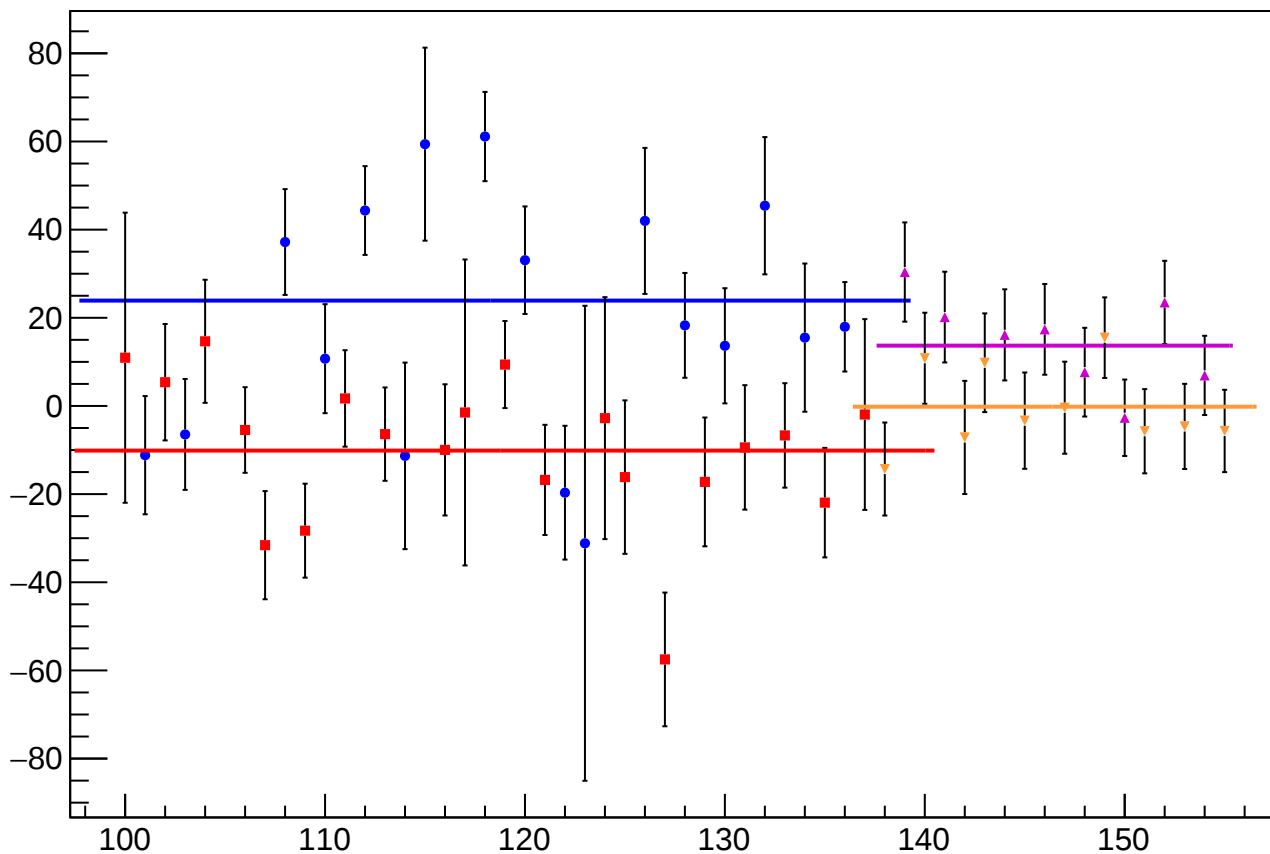
Right Out: 1245.167+/-0.329 χ^2/NDF : 67006.8/19

Left In: 1180.846+/-0.332 χ^2/NDF : 319525.2/7

1198.076+/-0.228 χ^2/NDF : 480769.0/26

1213.328+/-0.234 χ^2/NDF : 405444.7/27

diff_bpm0l09X_mean vs Slug



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

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

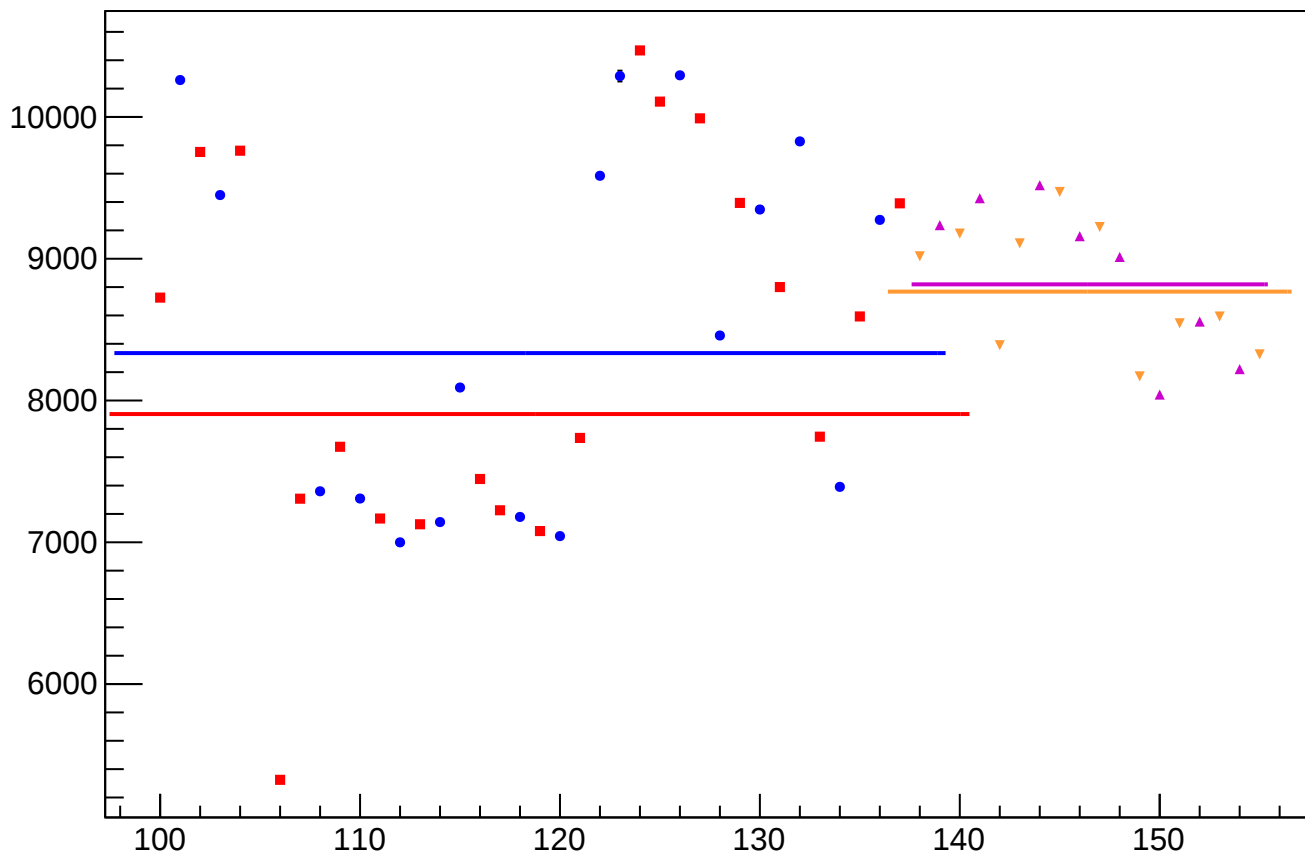
Right Out: -10.125 ± 2.994 $\chi^2/\text{NDF}: 28.0/19$

Left In: 13.684 ± 3.473 $\chi^2/\text{NDF}: 8.3/7$

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

0.026 ± 2.268 $\chi^2/\text{NDF}: 63.3/27$

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

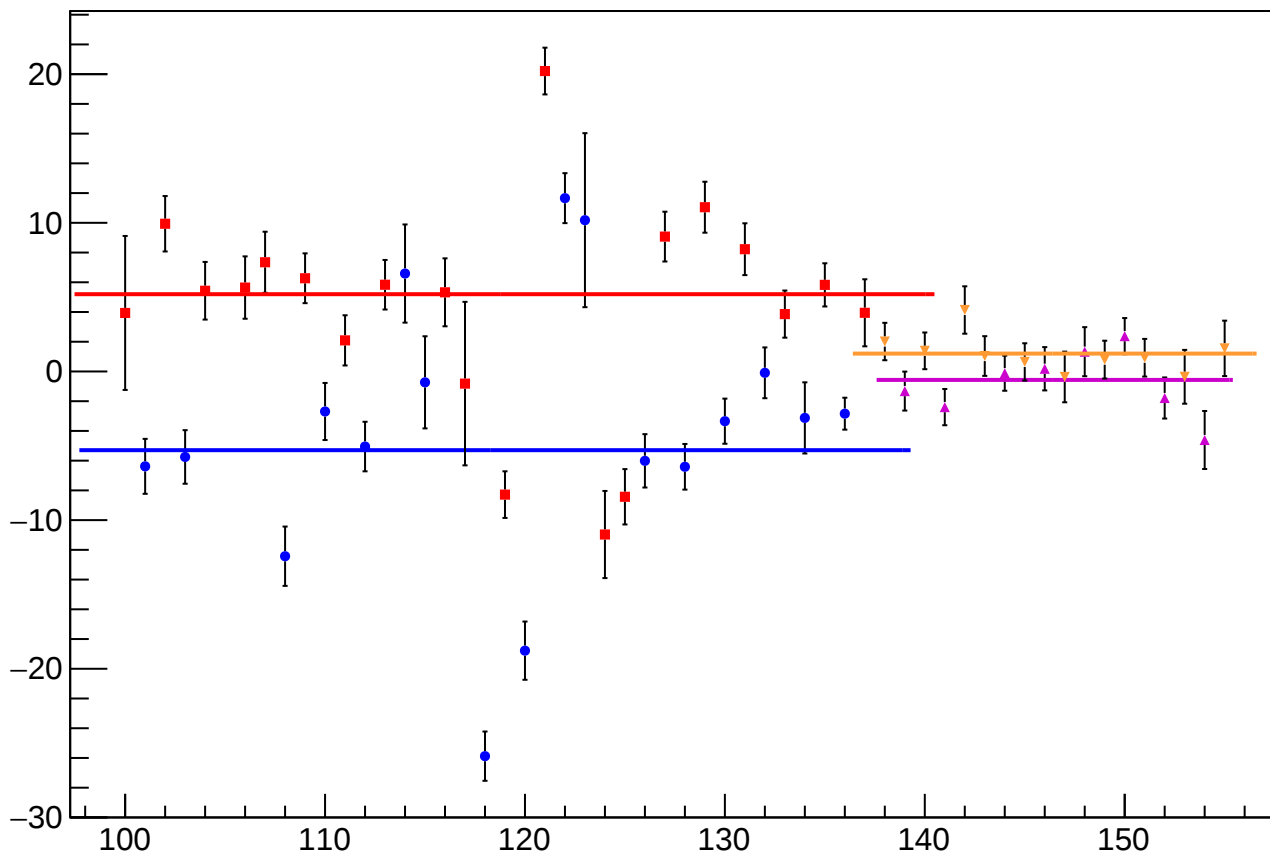
Right Out: 7904.529+/-2.117 χ^2/NDF : 391589.9/19

Left In: 8819.318+/-2.456 χ^2/NDF :48258.5/7

8551.760+/-1.624 χ^2/NDF : 324852.3/26

8294.558+/-1.604 χ^2/NDF : 519434.3/27

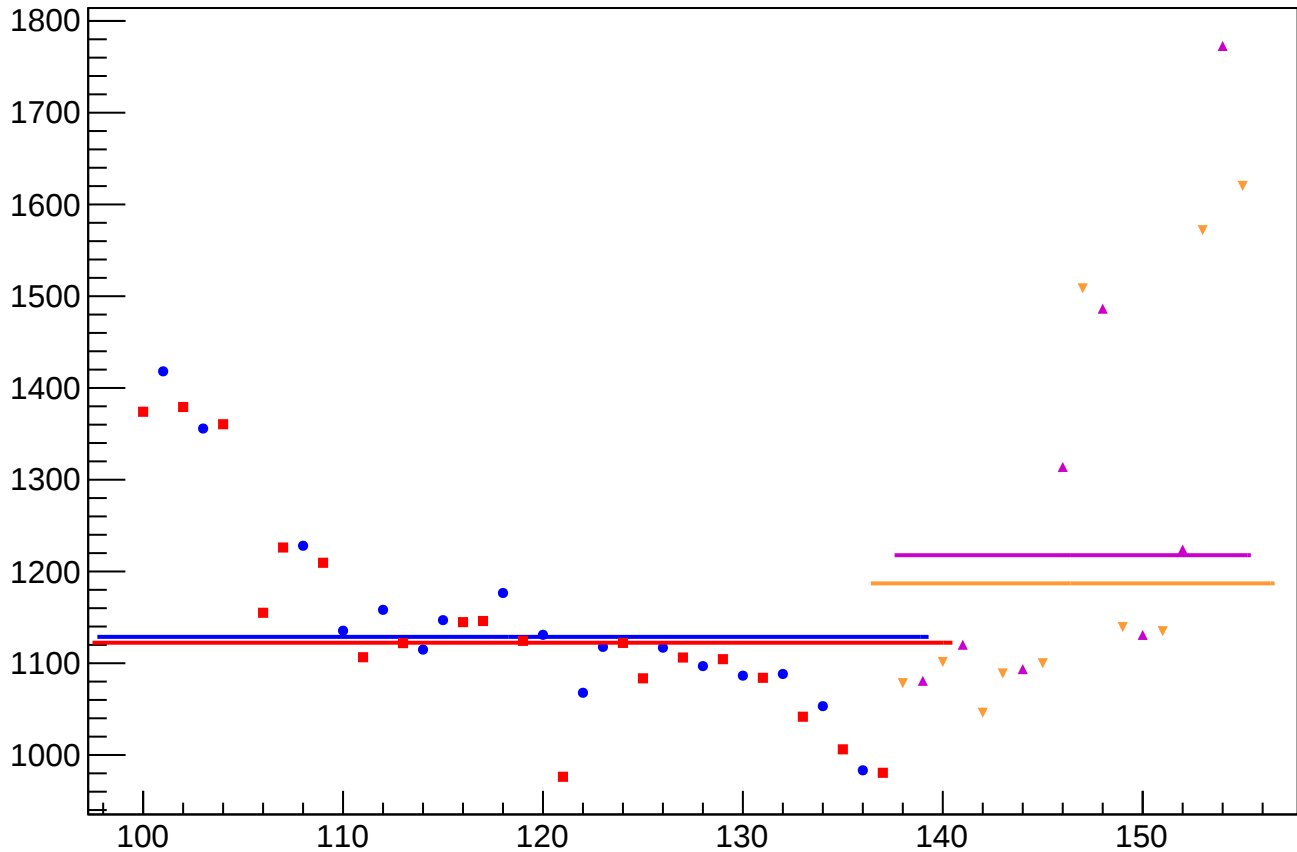
diff_bpm0l09Y_mean vs Slug



-2.104 $\pm$ 0.312 χ^2/NDF : 472.6/26

2.717 $\pm$ 0.317 χ^2/NDF : 379.2/27

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

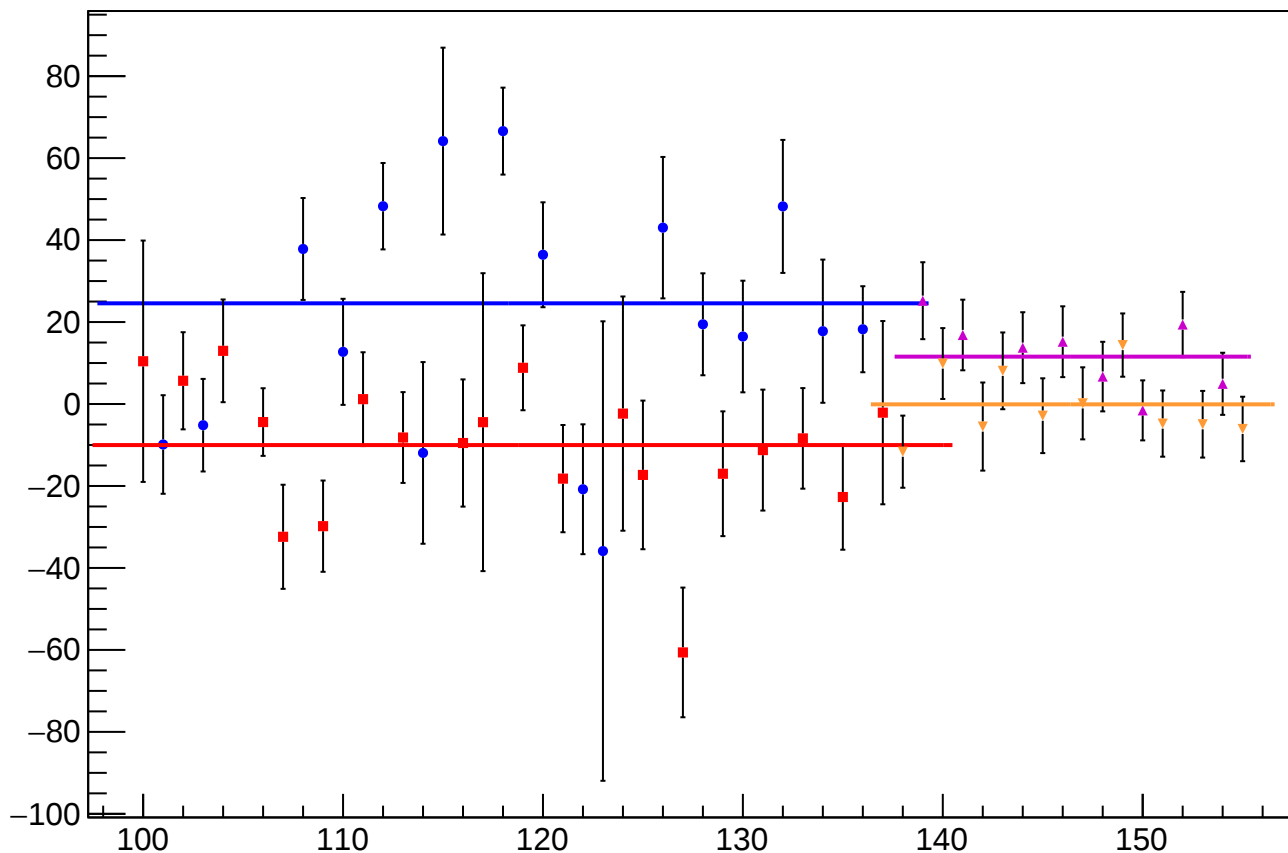
Right Out: 1122.377+/-0.297 χ^2/NDF : 129638.9/19

Left In: 1217.743+/-0.342 χ^2/NDF : 290396.5/7

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

1163.401+/-0.224 χ^2/NDF : 464303.9/27

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

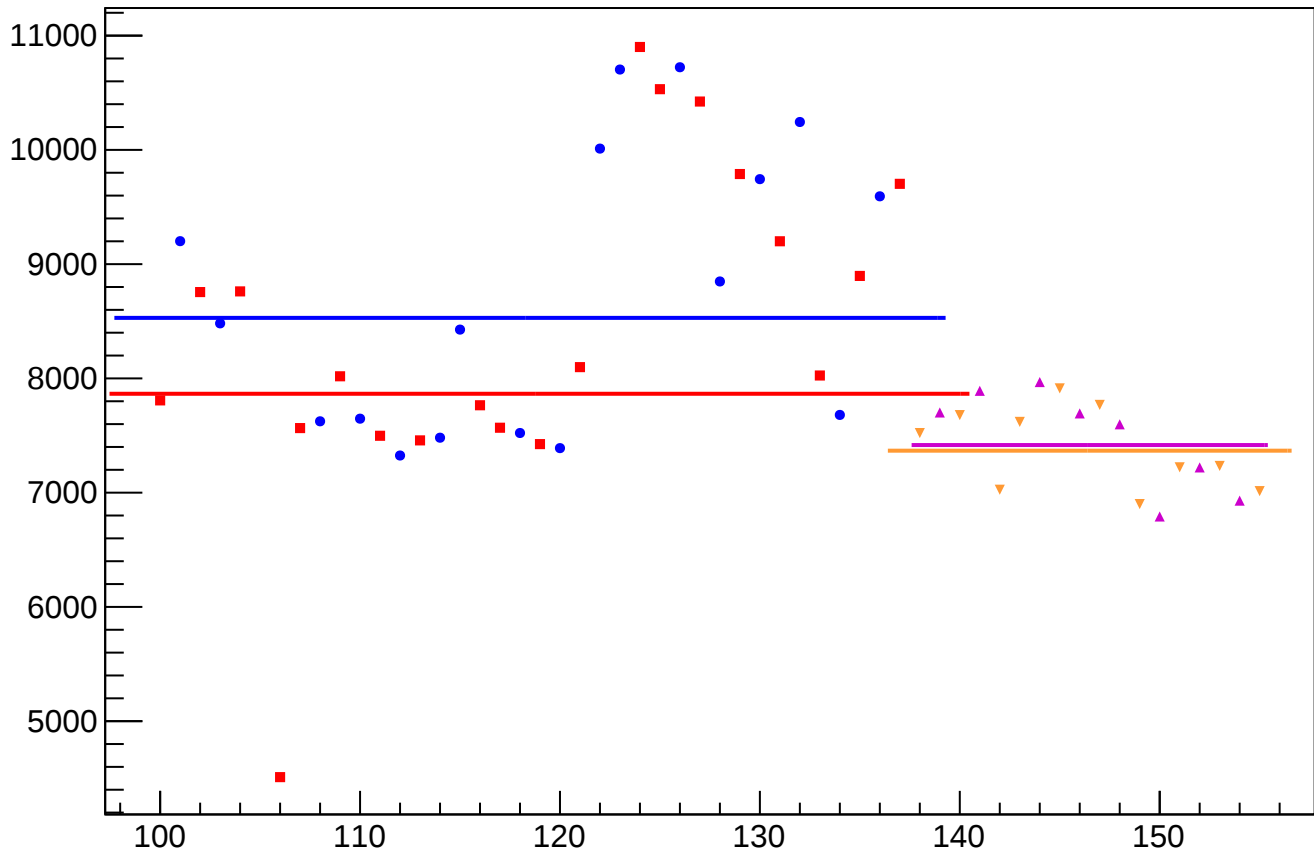
Right Out: -10.019+/-2.997 χ^2/NDF : 28.8/19

Left In: 11.558+/-2.920 χ^2/NDF : 8.0/7

9.849+/-2.106 χ^2/NDF : 100.0/26

1.052+/-2.092 χ^2/NDF : 63.4/27

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

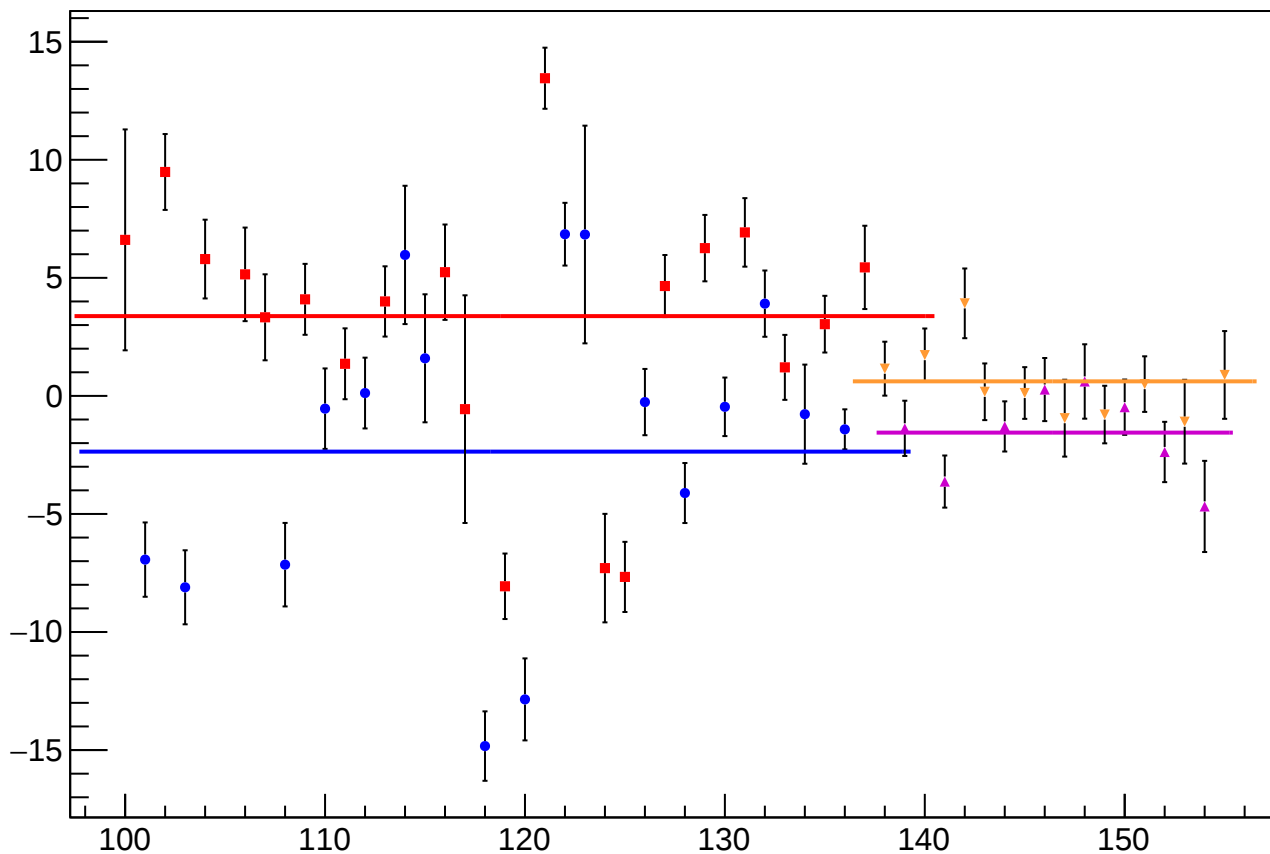
7835.614+/-1.489 χ^2/NDF : 385432.9/26

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

7635.265+/-1.479 χ^2/NDF : 622030.6/27

Left In: 7416.731+/-2.065 χ^2/NDF : 43046.5/7

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

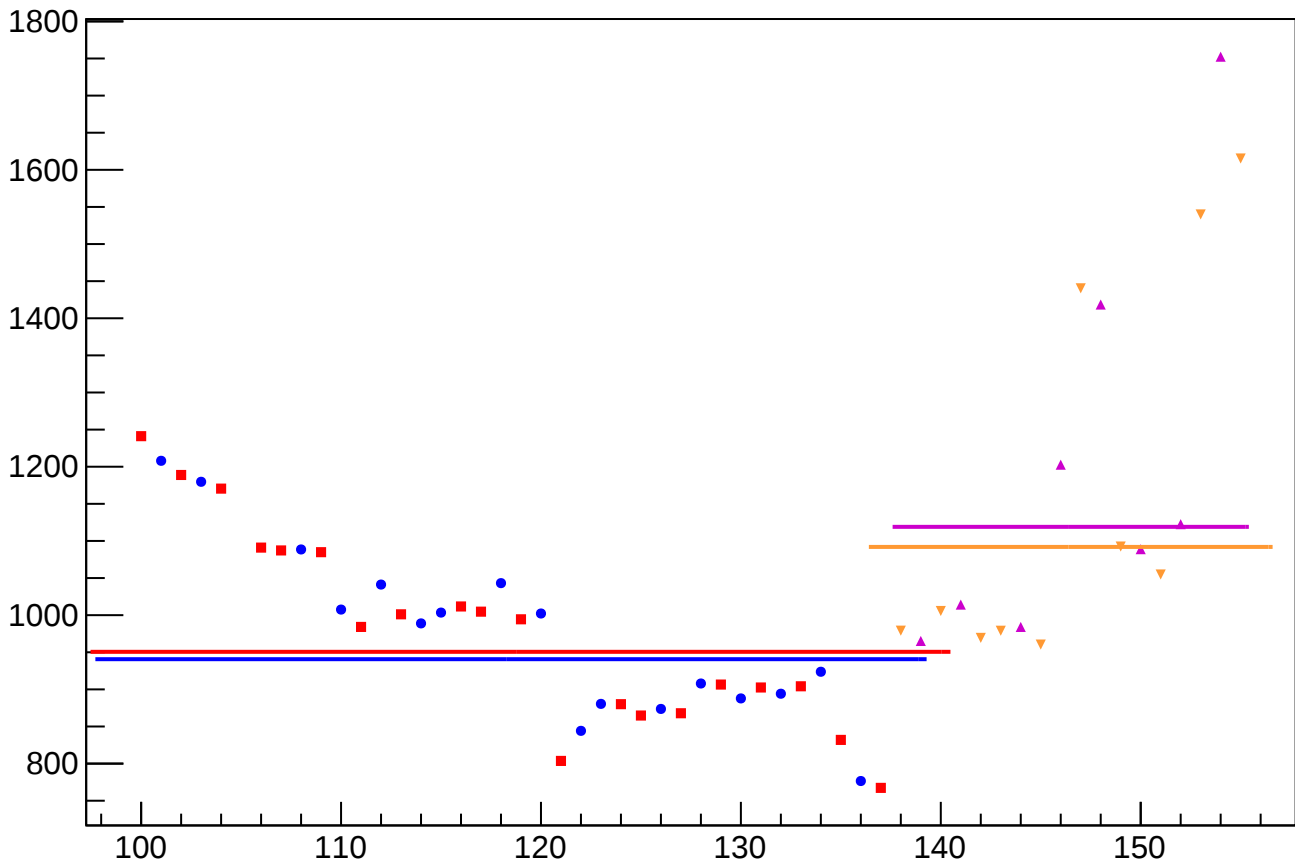
Right Out: 3.379 ± 0.357 χ^2/NDF : 242.1/19

Left In: -1.555 ± 0.447 χ^2/NDF : 11.2/7

-1.046 ± 0.273 χ^2/NDF : 271.0/26

1.455 ± 0.279 χ^2/NDF : 327.8/27

diff_bpm0l10Y_rms vs Slug



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

Left Out: 1091.943 $\pm$ 0.291 χ^2 /NDF: 471282.2/9

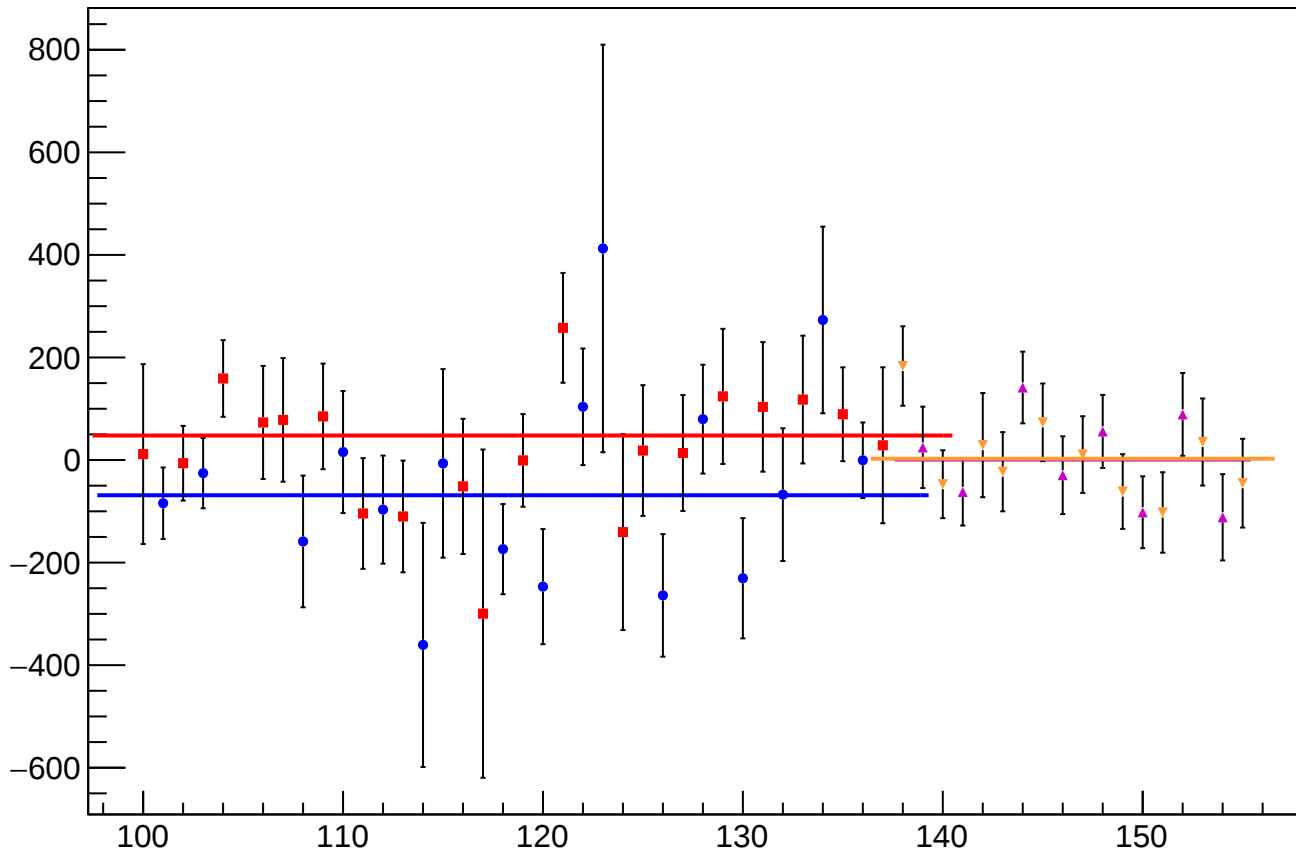
Right Out: 950.615 $\pm$ 0.253 χ^2 /NDF: 220931.3/19

Left In: 1118.992 $\pm$ 0.316 χ^2 /NDF: 381484.7/7

1007.486 $\pm$ 0.193 χ^2 /NDF: 864289.3/26

1016.279 $\pm$ 0.197 χ^2 /NDF: 775712.9/27

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

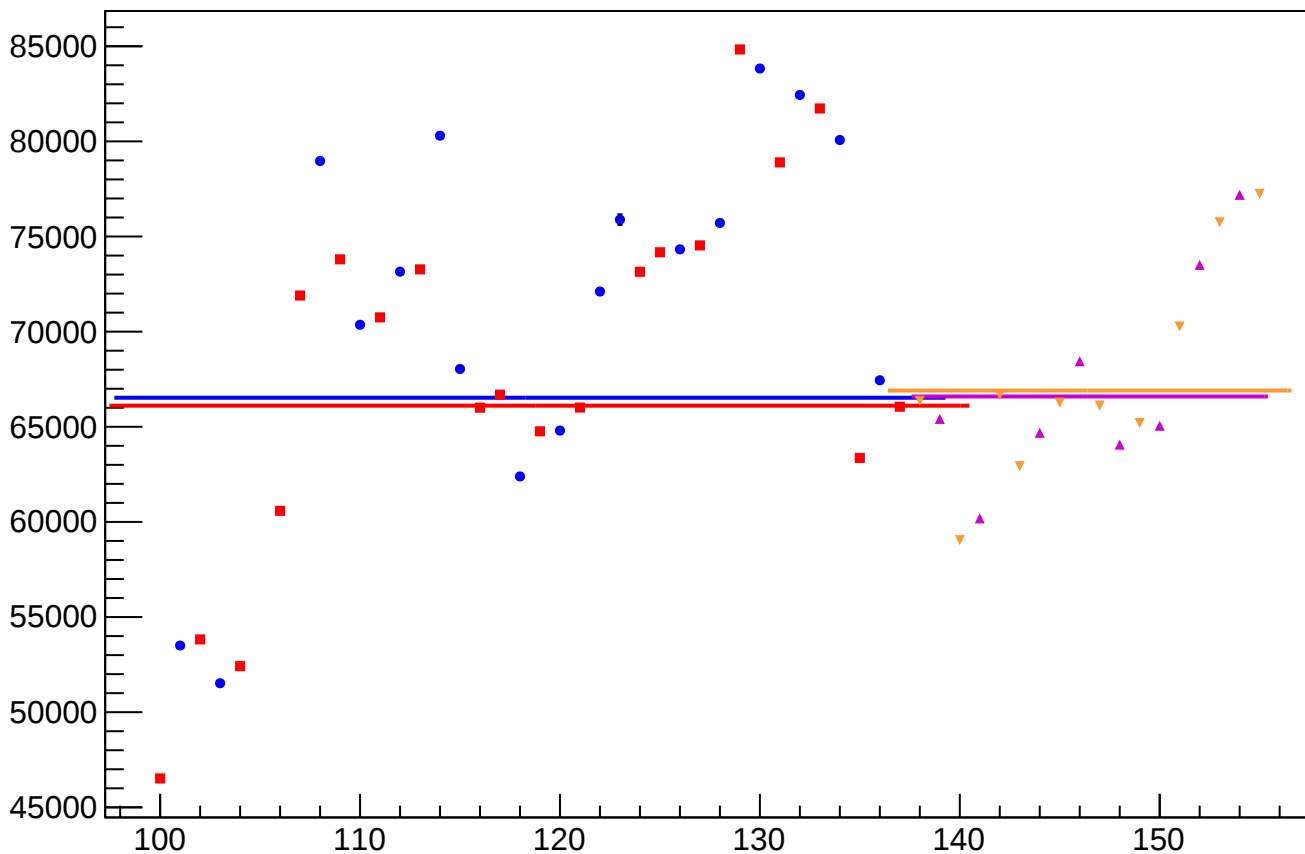
Right Out: 47.835 ± 24.944 χ^2/NDF : 15.2/19

Left In: 0.945 ± 26.116 χ^2/NDF : 10.9/7

-31.325 ± 17.897 χ^2/NDF : 35.8/26

25.466 ± 18.038 χ^2/NDF : 27.8/27

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

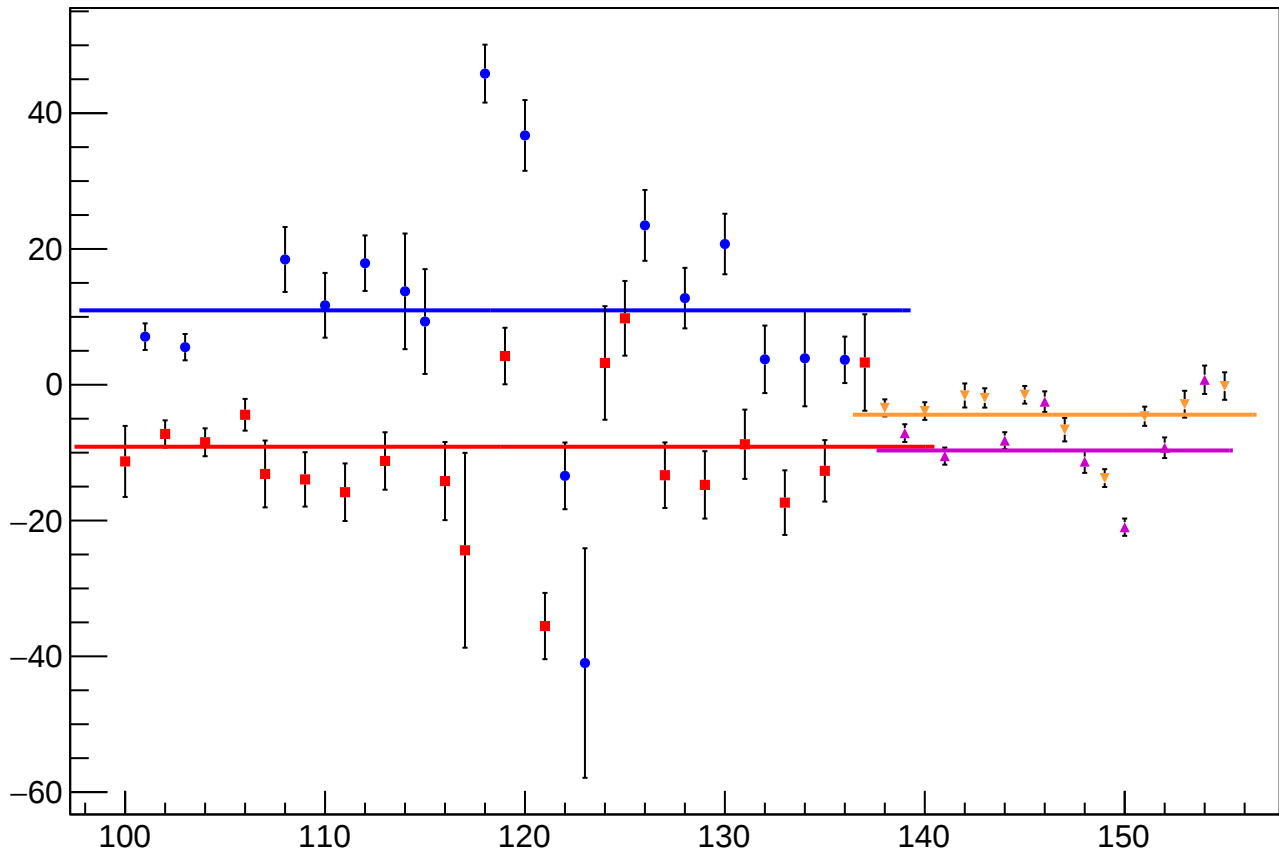
Right Out: 66109.383+/-17.638 χ^2/NDF : 298491.9/19

Left In: 66592.439+/-18.467 χ^2/NDF : 72139.3/7

66725.687+/-12.655 χ^2/NDF : 410076.3/26

66339.824+/-12.755 χ^2/NDF : 370989.1/27

diff_bpm0r03Y_mean vs Slug



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

Left Out: -4.414 ± 0.469 χ^2/NDF : 68.4/9

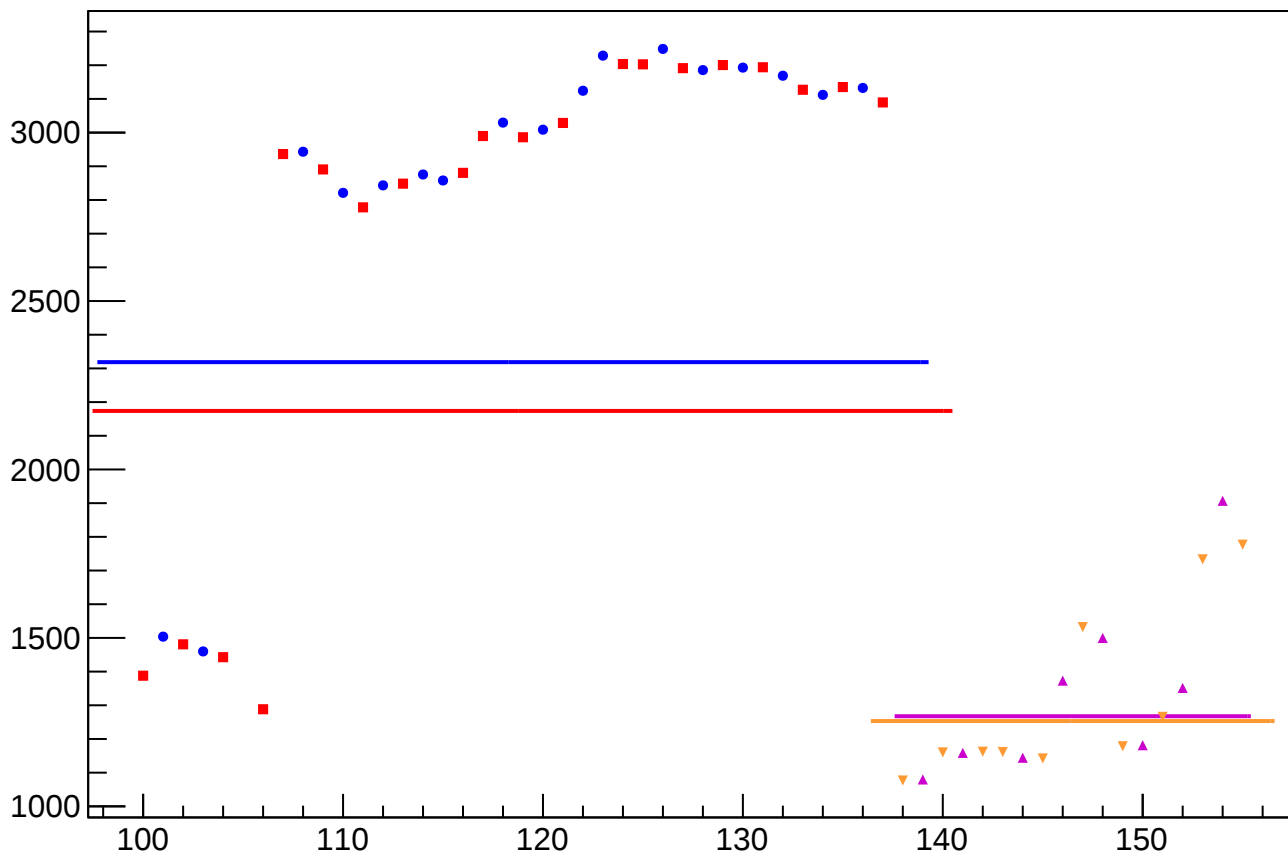
Right Out: -9.127 ± 0.865 χ^2/NDF : 74.2/19

Left In: -9.680 ± 0.504 χ^2/NDF : 132.8/7

-1.362 ± 0.420 χ^2/NDF : 442.2/26

-9.540 ± 0.435 χ^2/NDF : 207.4/27

diff_bpm0r03Y_rms vs Slug



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

Left Out: 1253.217+/-0.332 χ^2/NDF :387910.4/9

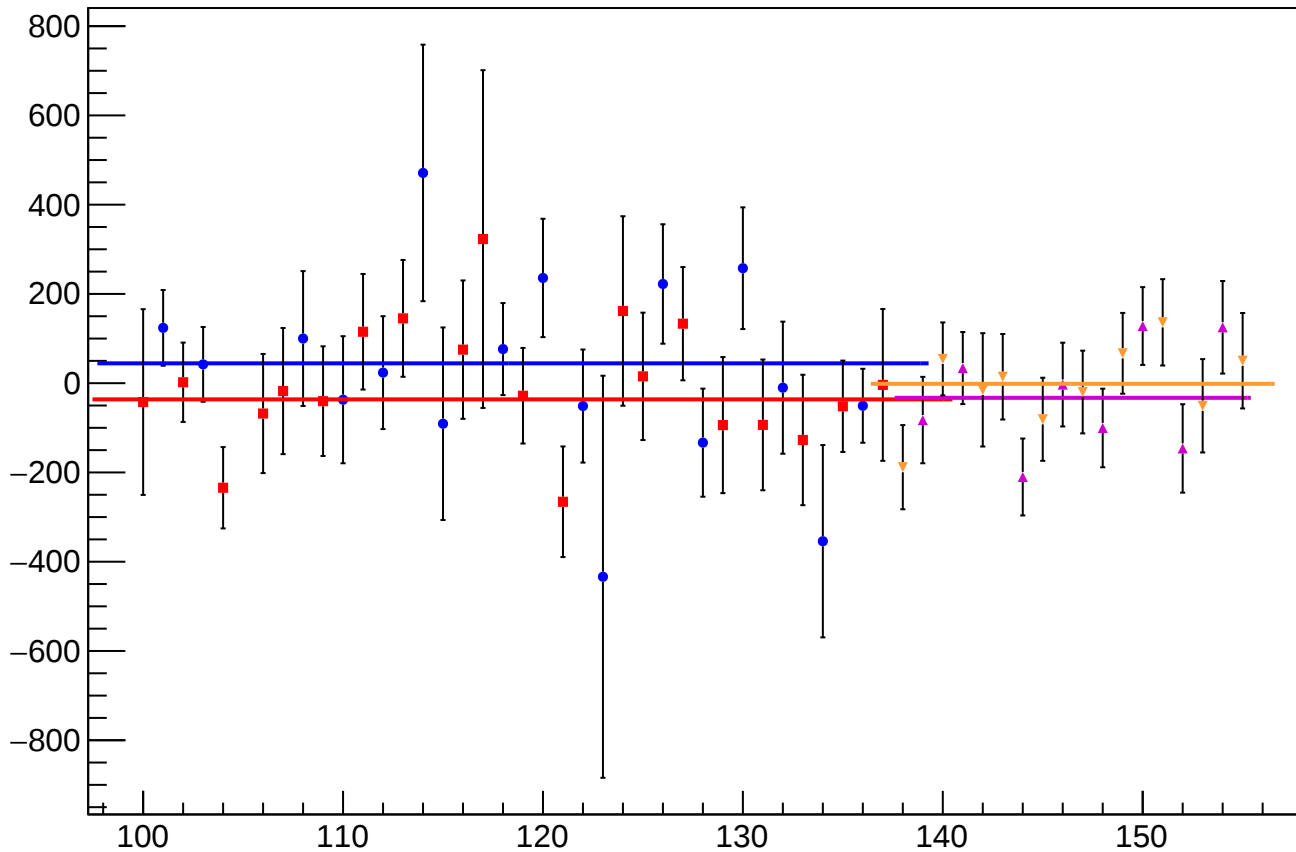
Right Out: 2173.762+/-0.611 χ^2/NDF : 1760181.2/19

Left In: 1267.527+/-0.356 χ^2/NDF :326700.1/7

1464.758+/-0.297 χ^2/NDF : 3841446.0/26

1497.210+/-0.308 χ^2/NDF : 3726615.1/27

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

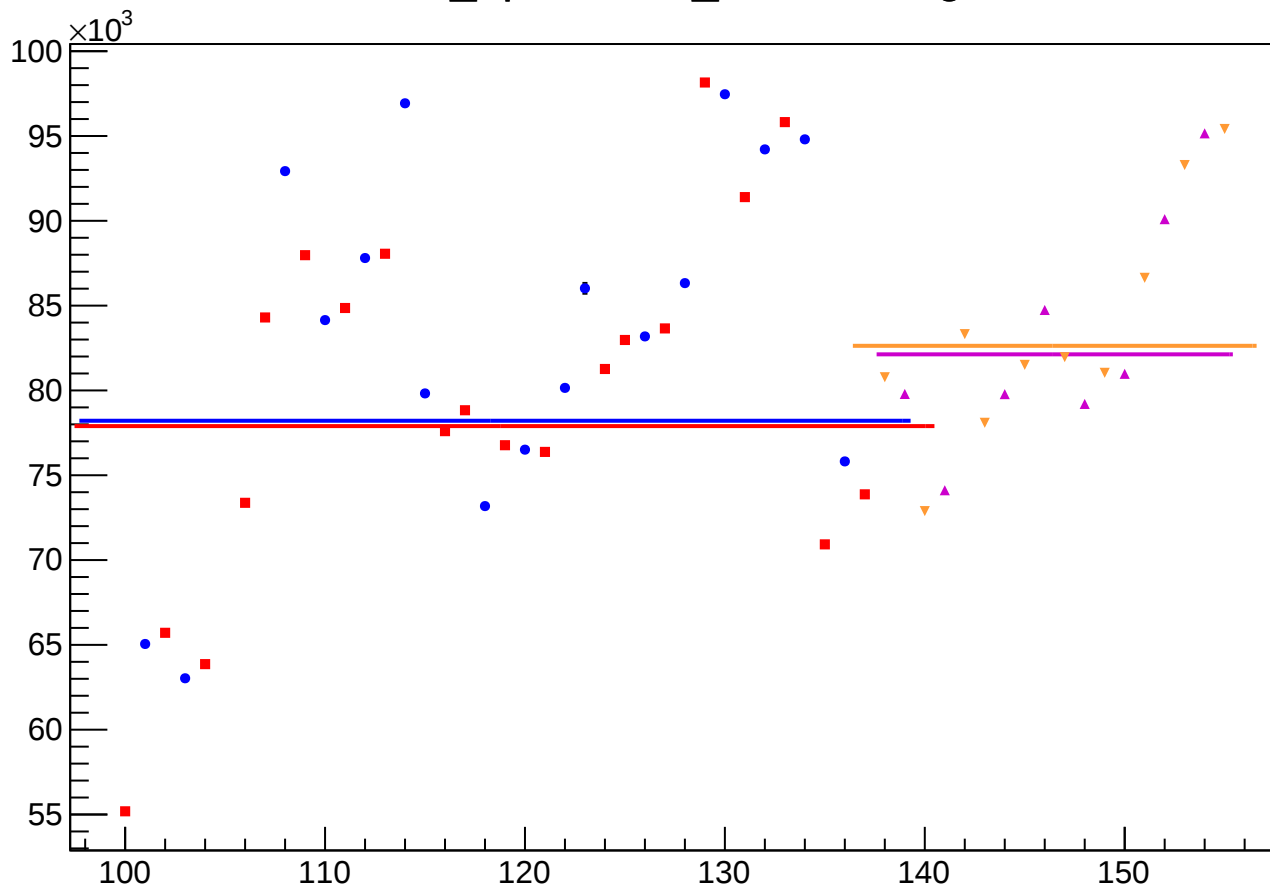
Right Out: -36.251+/-29.346 χ^2/NDF : 16.7/19

Left In: -32.793+/-32.212 χ^2/NDF : 12.9/7

21.619+/-21.554 χ^2/NDF : 28.5/26

-34.683+/-21.693 χ^2/NDF : 29.6/27

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

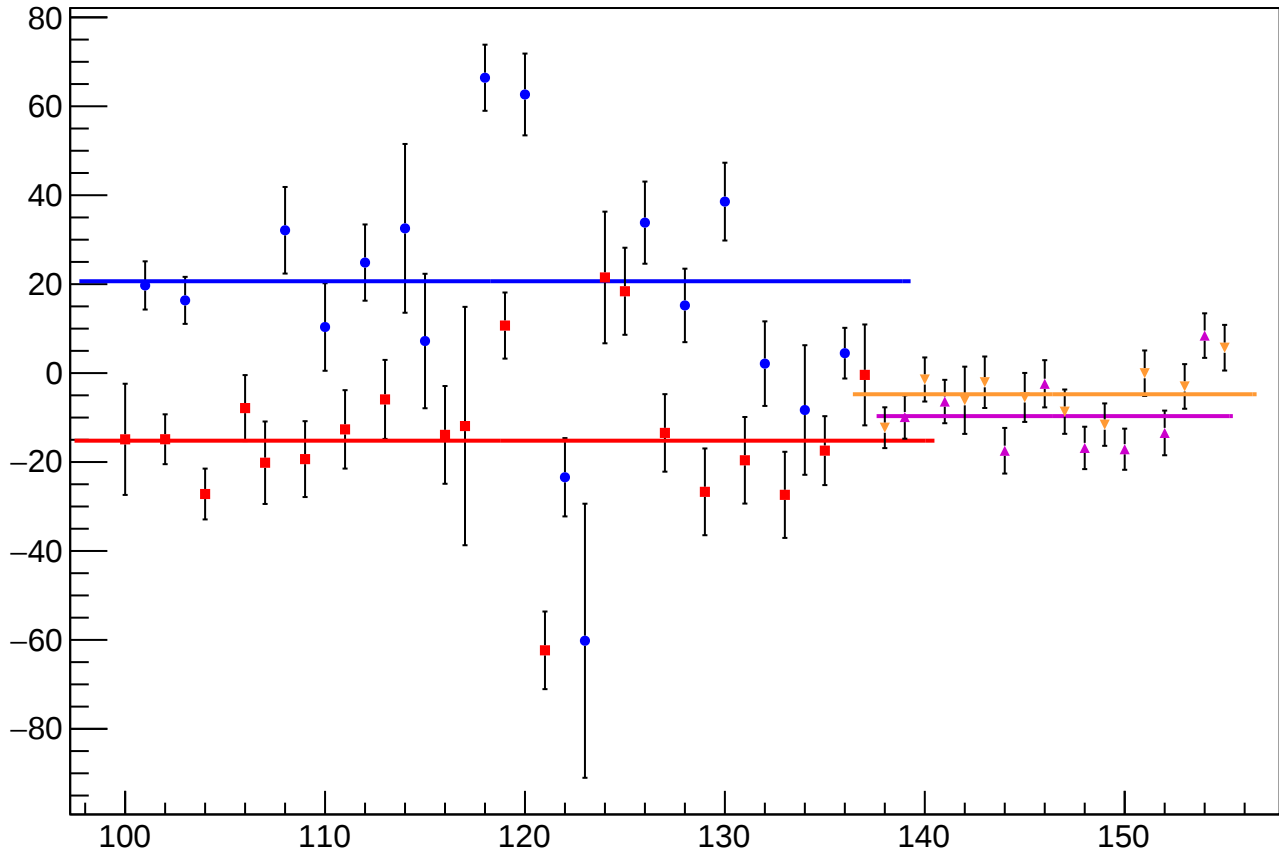
Right Out: 77897.594 ± 20.751 χ^2/NDF : 246982.5/19

Left In: 82128.020 ± 22.777 χ^2/NDF : 70963.4/7

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

79816.315 ± 15.340 χ^2/NDF : 336796.2/27

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

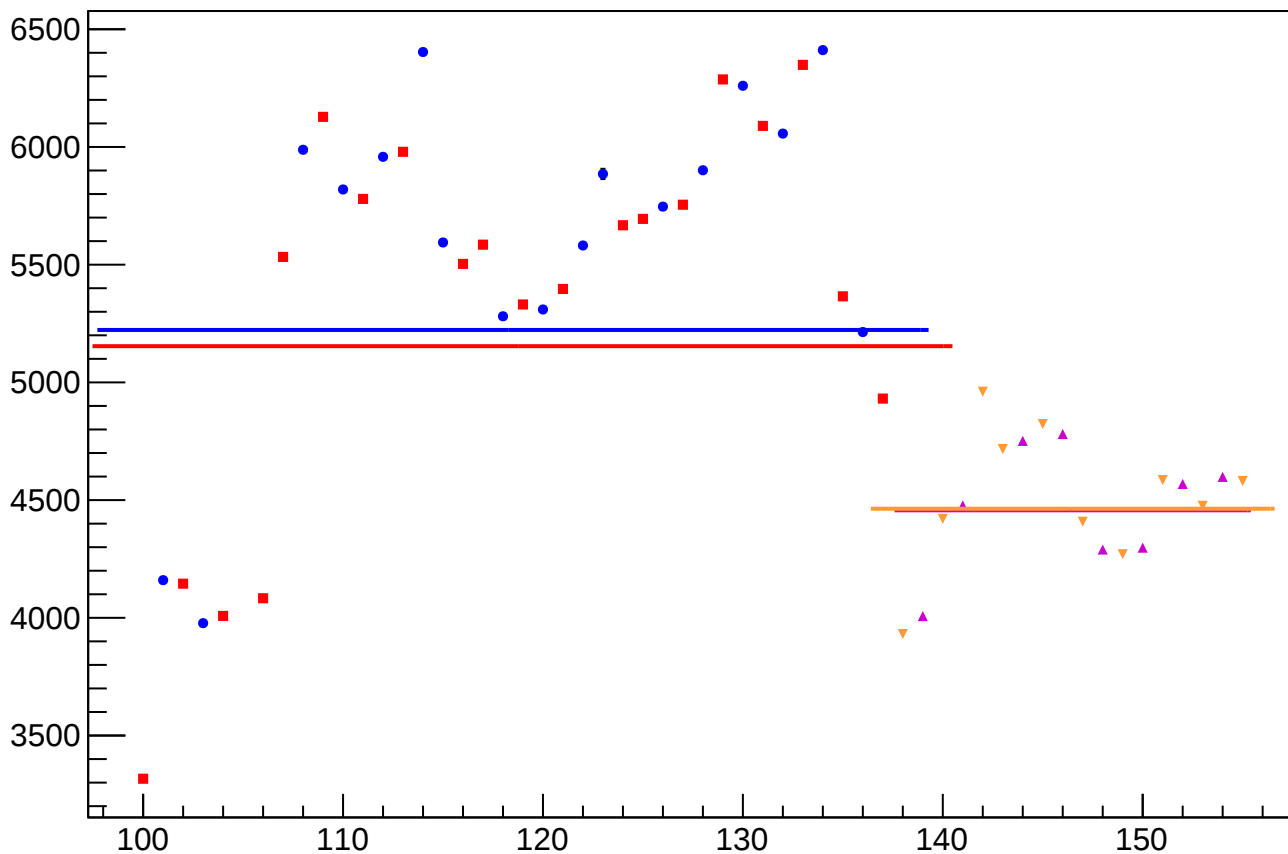
Right Out: -15.198 $\pm$ 1.950 χ^2 /NDF: 71.3/19

Left In: -9.673 $\pm$ 1.746 χ^2 /NDF: 23.1/7

5.298 $\pm$ 1.281 χ^2 /NDF: 223.1/26

-12.133 $\pm$ 1.301 χ^2 /NDF: 98.9/27

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

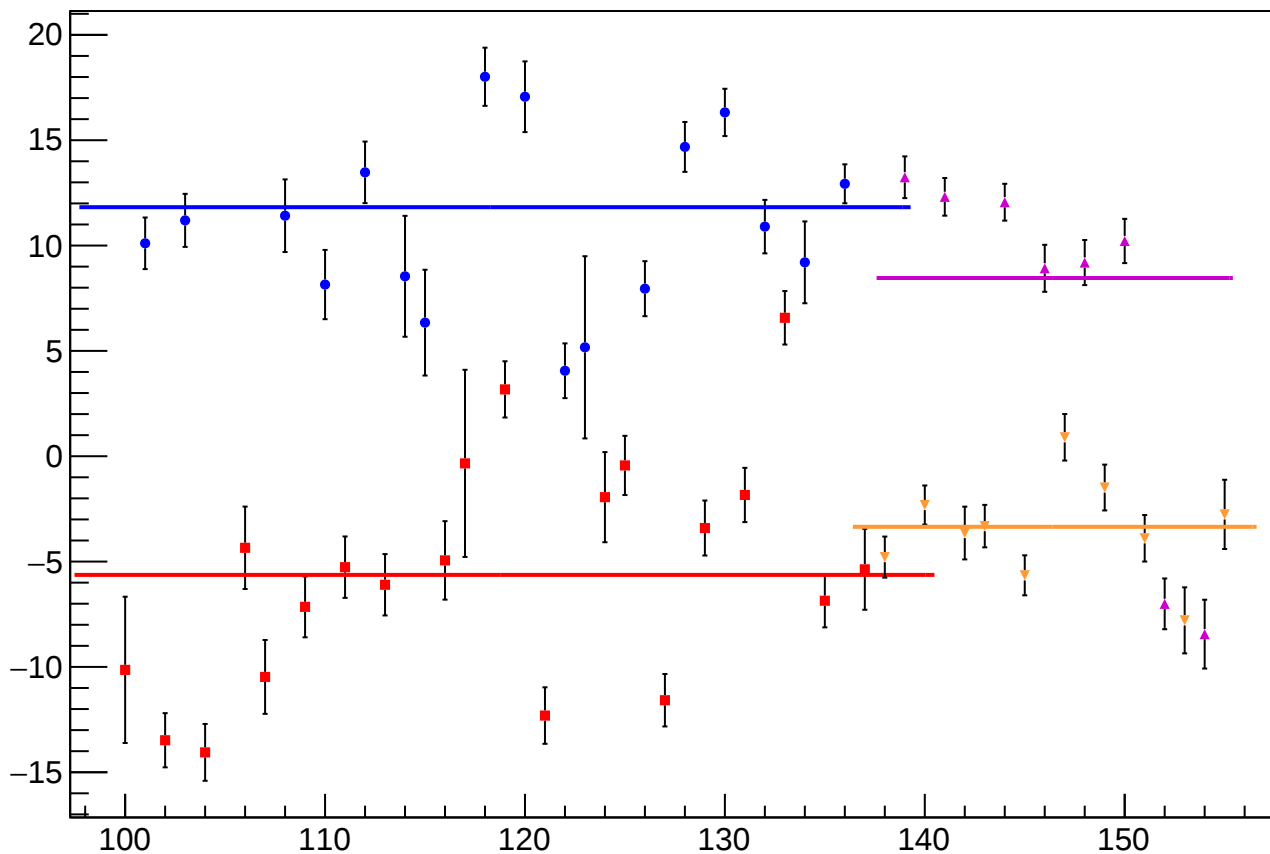
Right Out: 5153.826+/-1.379 χ^2/NDF : 388205.9/19

Left In: 4456.597+/-1.235 χ^2/NDF : 38504.4/7

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

4767.008+/-0.920 χ^2/NDF : 568632.3/27

diff_bpm2i01X_mean vs Slug



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

Left Out: -3.350 ± 0.349 χ^2/NDF : 35.5/9

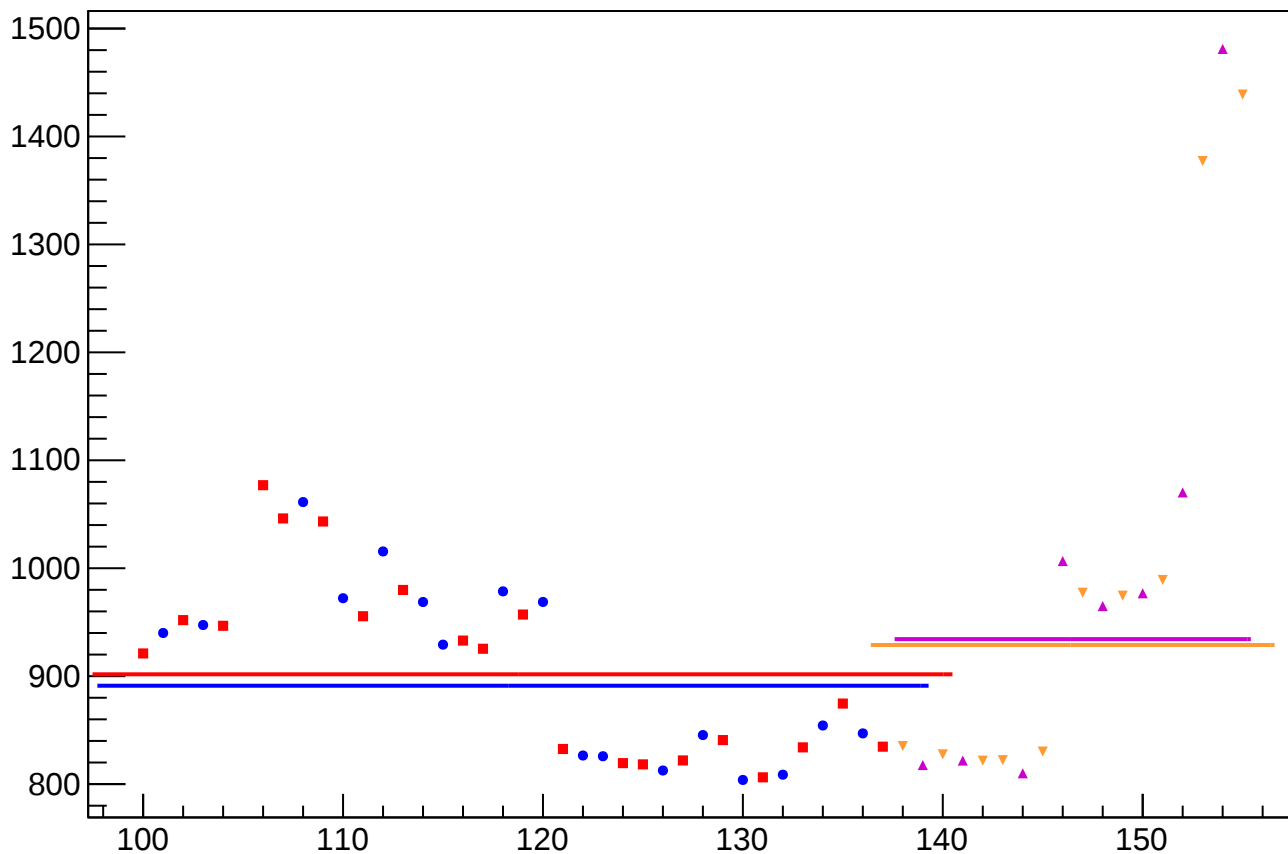
Right Out: -5.632 ± 0.337 χ^2/NDF : 301.6/19

Left In: 8.460 ± 0.372 χ^2/NDF : 334.3/7

4.333 ± 0.245 χ^2/NDF : 1109.6/26

0.729 ± 0.250 χ^2/NDF : 1422.8/27

diff_bpm2i01X_rms vs Slug



Right In: 891.149 $\pm$ 0.244 χ^2 /NDF: 101659.1/16

Left Out: 928.864 $\pm$ 0.247 χ^2 /NDF: 470614.4/9

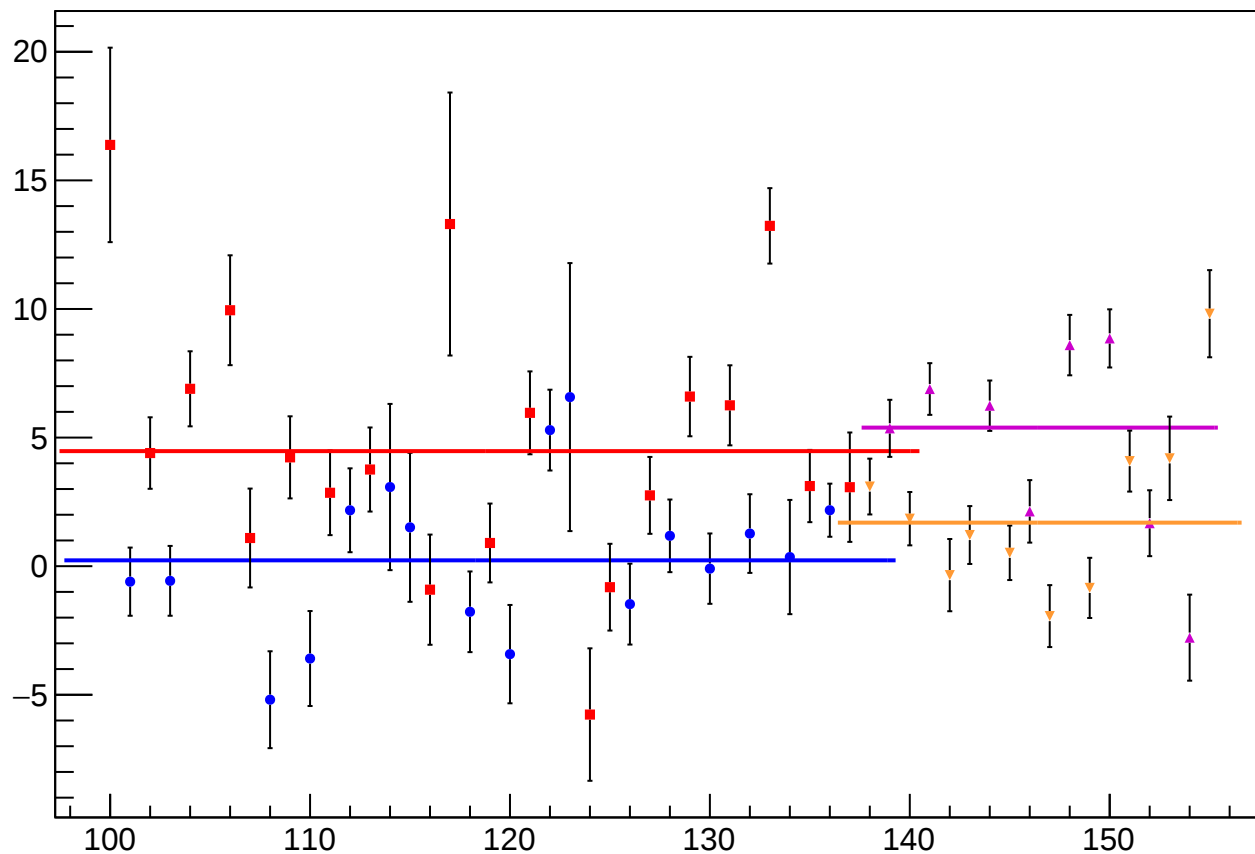
Right Out: 901.725 $\pm$ 0.239 χ^2 /NDF: 114648.1/19

Left In: 934.314 $\pm$ 0.263 χ^2 /NDF: 362879.5/7

909.764 $\pm$ 0.173 χ^2 /NDF: 584104.9/26

916.435 $\pm$ 0.177 χ^2 /NDF: 485945.1/27

diff_bpm2i01Y_mean vs Slug



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

Left Out: 1.693 ± 0.383 χ^2/NDF : 48.5/9

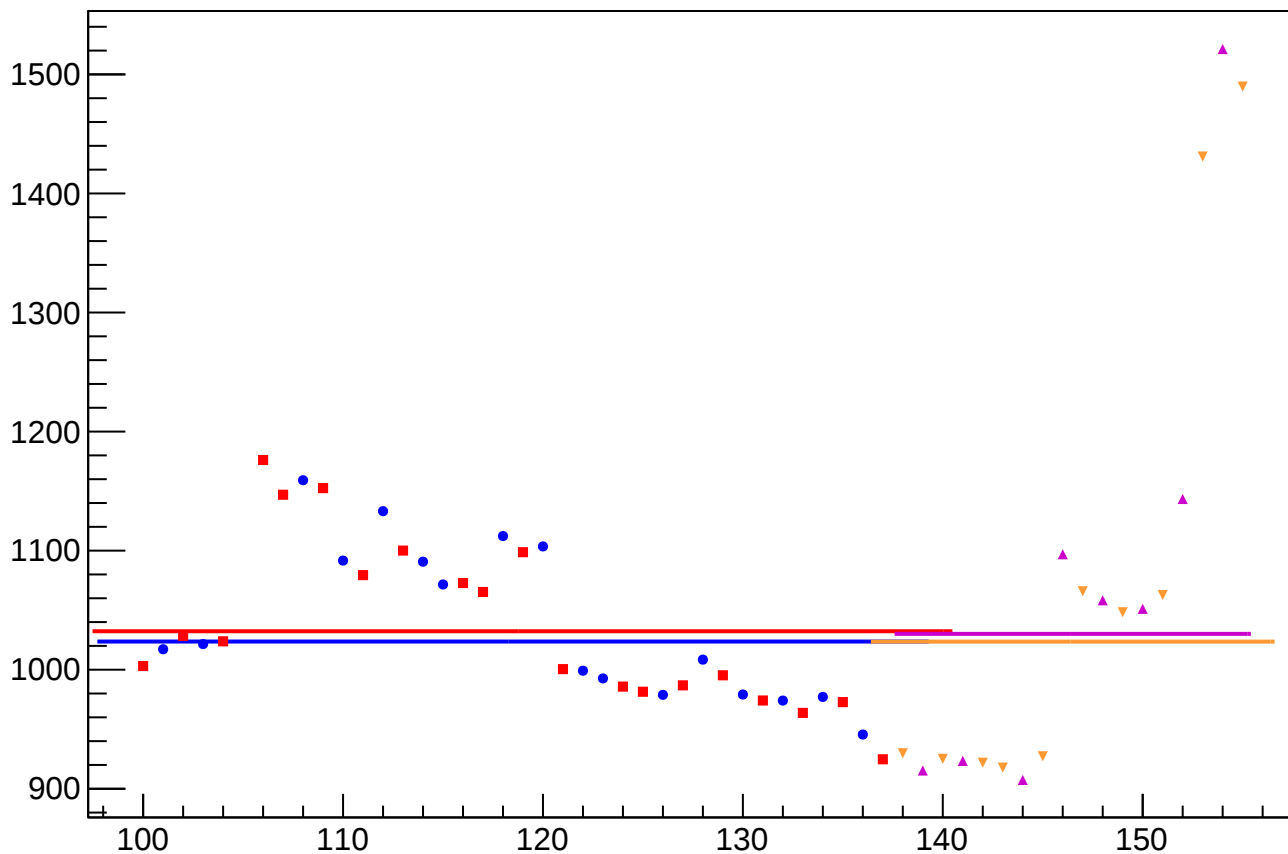
Right Out: 4.473 ± 0.386 χ^2/NDF : 106.3/19

Left In: 5.388 ± 0.408 χ^2/NDF : 59.3/7

0.983 ± 0.275 χ^2/NDF : 94.1/26

4.904 ± 0.280 χ^2/NDF : 168.3/27

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

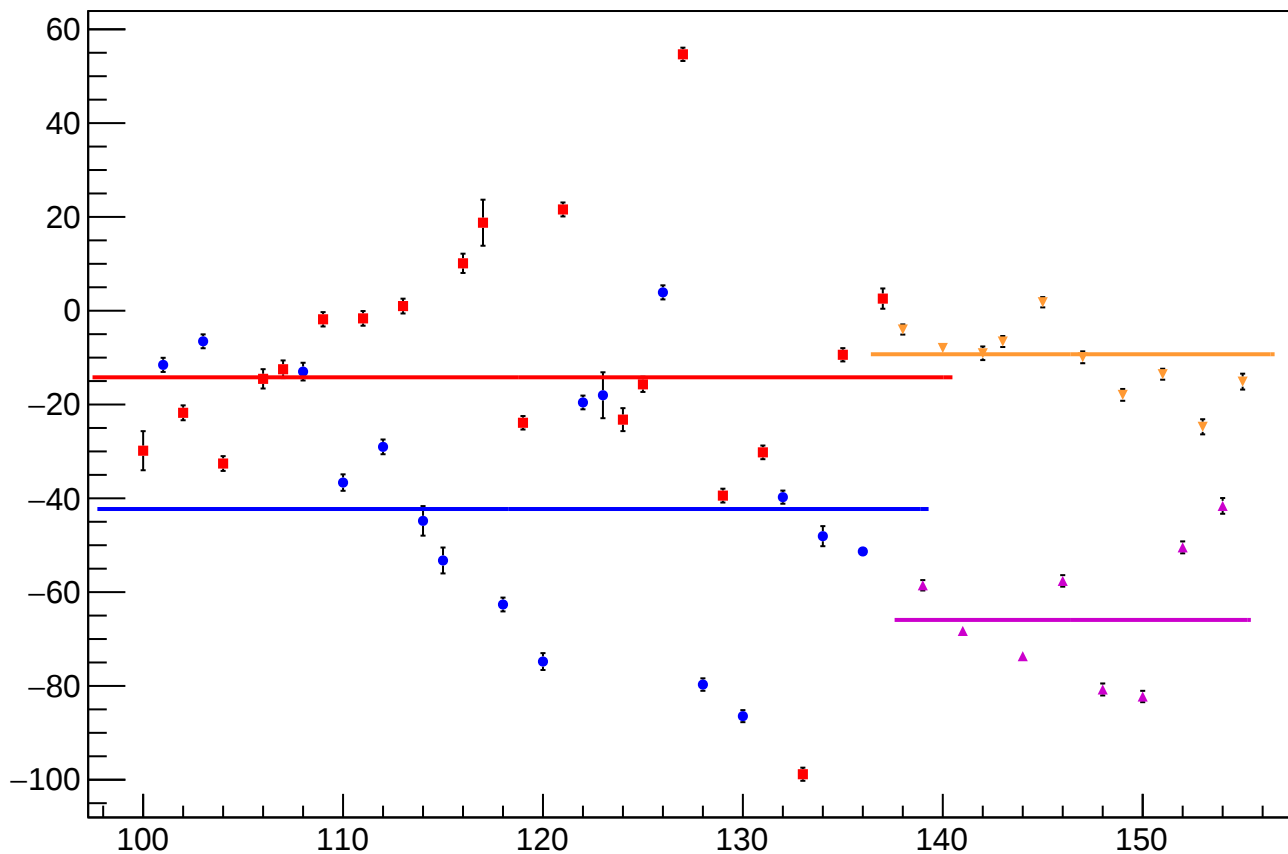
Right Out: 1032.296+/-0.273 χ^2/NDF : 59475.4/19

Left In: 1030.095+/-0.289 χ^2/NDF : 271407.4/7

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

1031.258+/-0.198 χ^2/NDF : 330913.5/27

diff_bpm2i02X_mean vs Slug



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

Left Out: -9.282 ± 0.393 $\chi^2/\text{NDF}: 297.0/9$

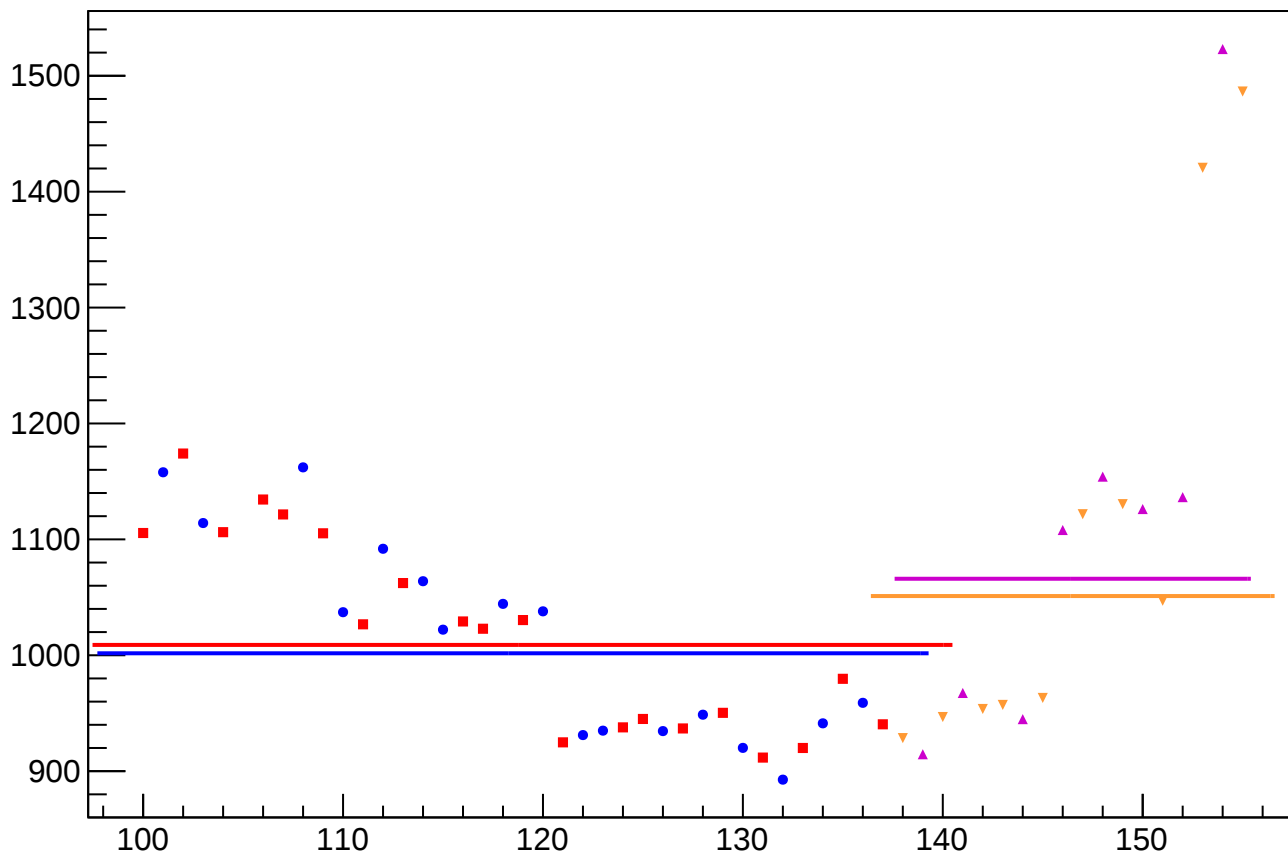
Right Out: -14.197 ± 0.377 $\chi^2/\text{NDF}: 7715.1/19$

Left In: -65.927 ± 0.422 $\chi^2/\text{NDF}: 826.2/7$

-26.015 ± 0.276 $\chi^2/\text{NDF}: 9004.7/26$

-37.157 ± 0.281 $\chi^2/\text{NDF}: 16882.7/27$

diff_bpm2i02X_rms vs Slug



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

Left Out: 1051.095+/-0.278 χ^2/NDF : 330660.0/9

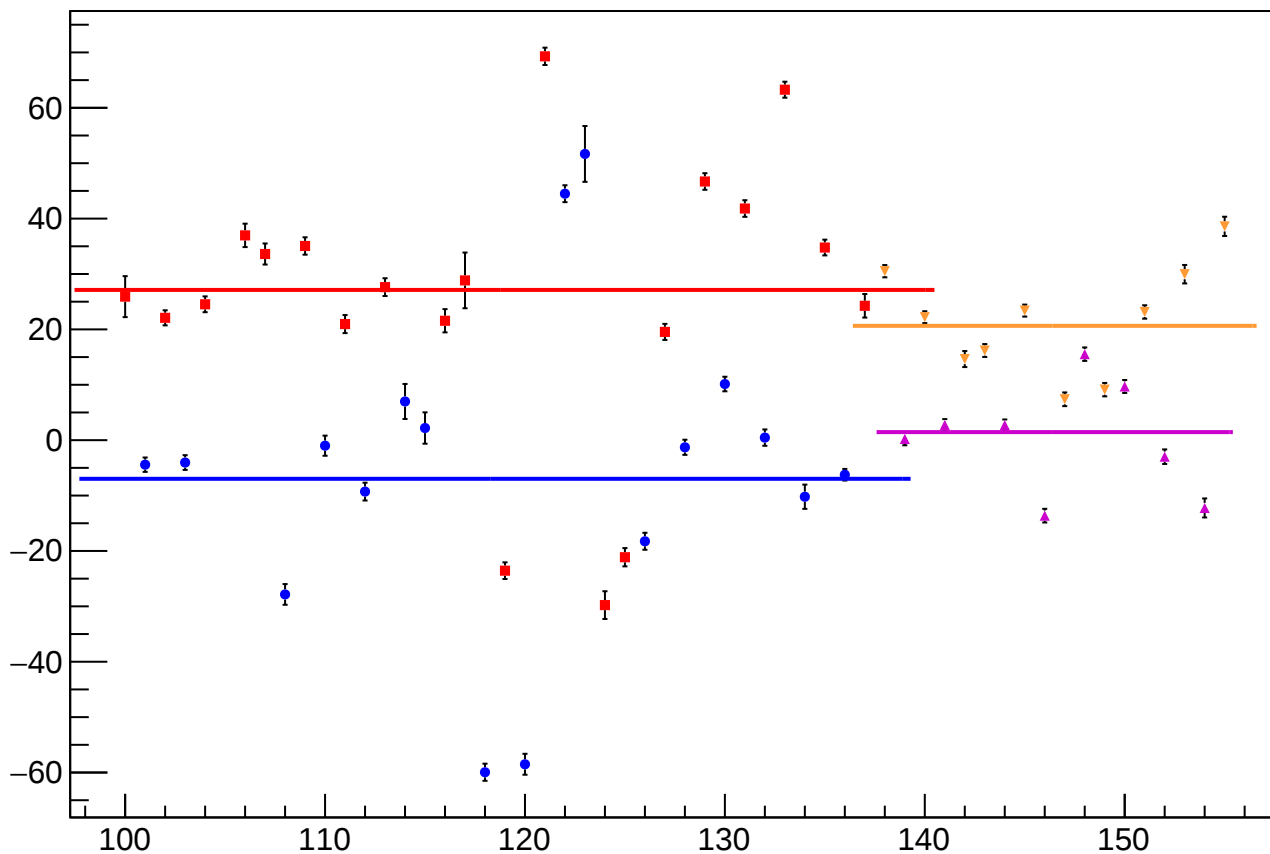
Right Out: 1008.931+/-0.267 χ^2/NDF : 95366.1/19

Left In: 1066.014+/-0.299 χ^2/NDF : 254598.2/7

1026.050+/-0.195 χ^2/NDF : 442185.3/26

1034.267+/-0.199 χ^2/NDF : 370279.1/27

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

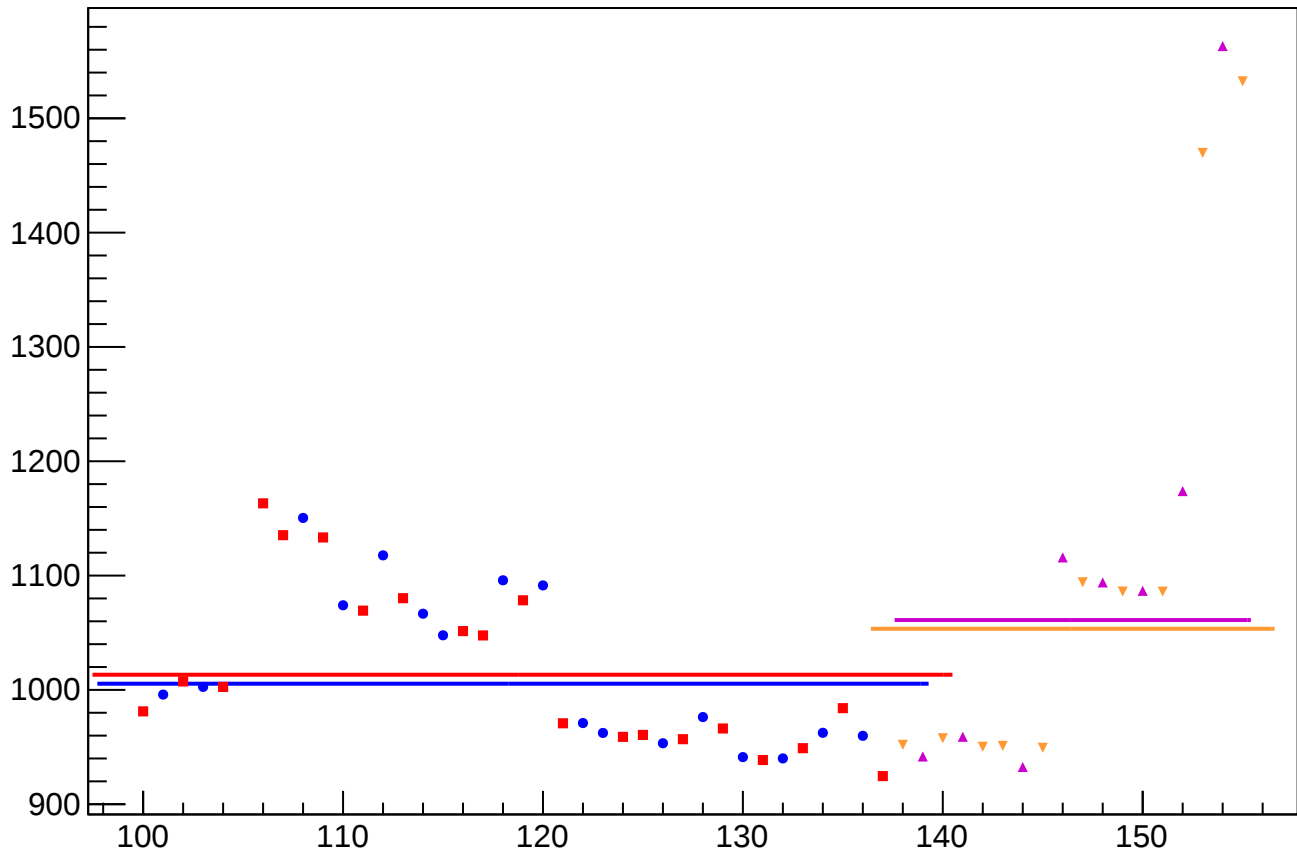
Right Out: 27.125 ± 0.379 χ^2/NDF : 4283.6/19

Left In: 1.455 ± 0.421 χ^2/NDF : 412.2/7

6.628 ± 0.276 χ^2/NDF : 6599.3/26

15.636 ± 0.281 χ^2/NDF : 6754.5/27

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

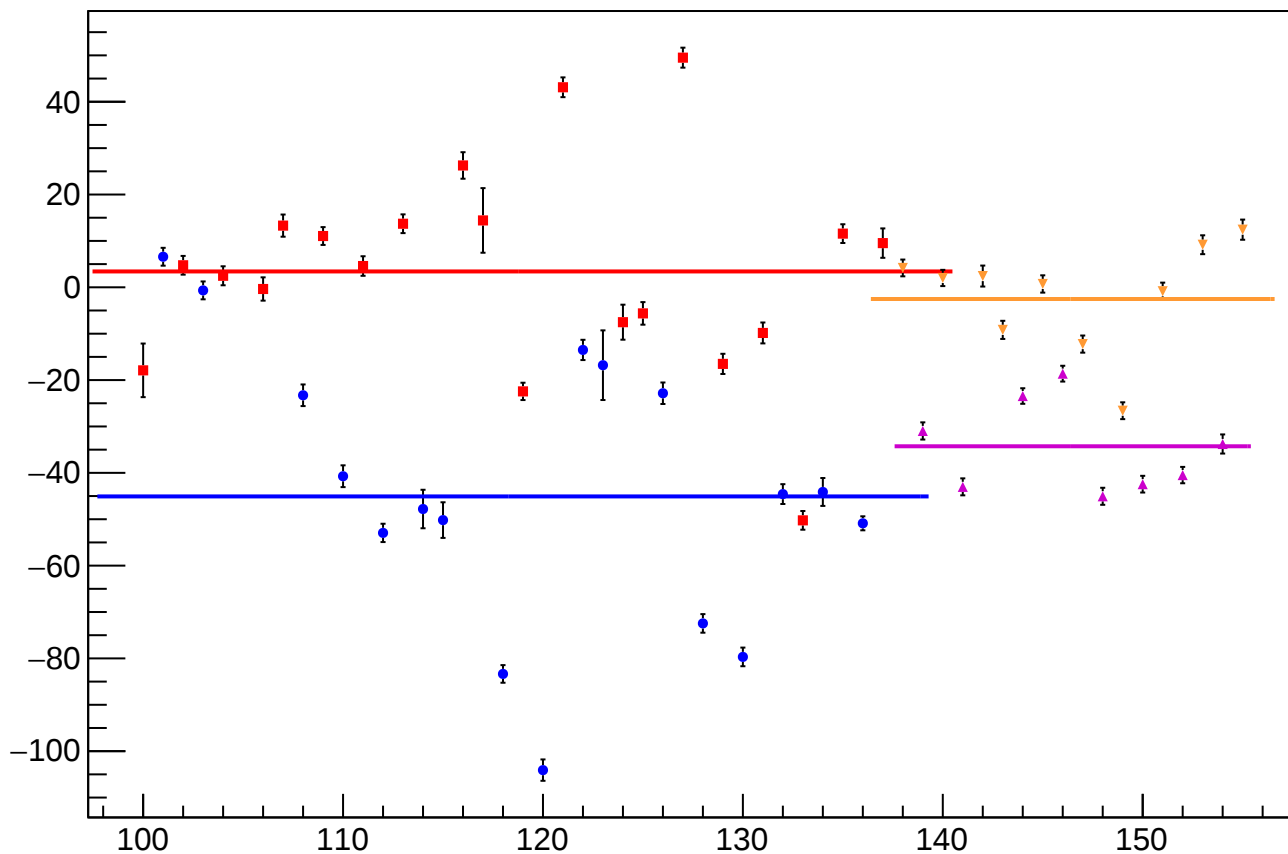
Right Out: 1013.260+/-0.268 χ^2/NDF : 63359.8/19

Left In: 1061.101+/-0.297 χ^2/NDF : 265509.6/7

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

1034.673+/-0.199 χ^2/NDF : 343169.6/27

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

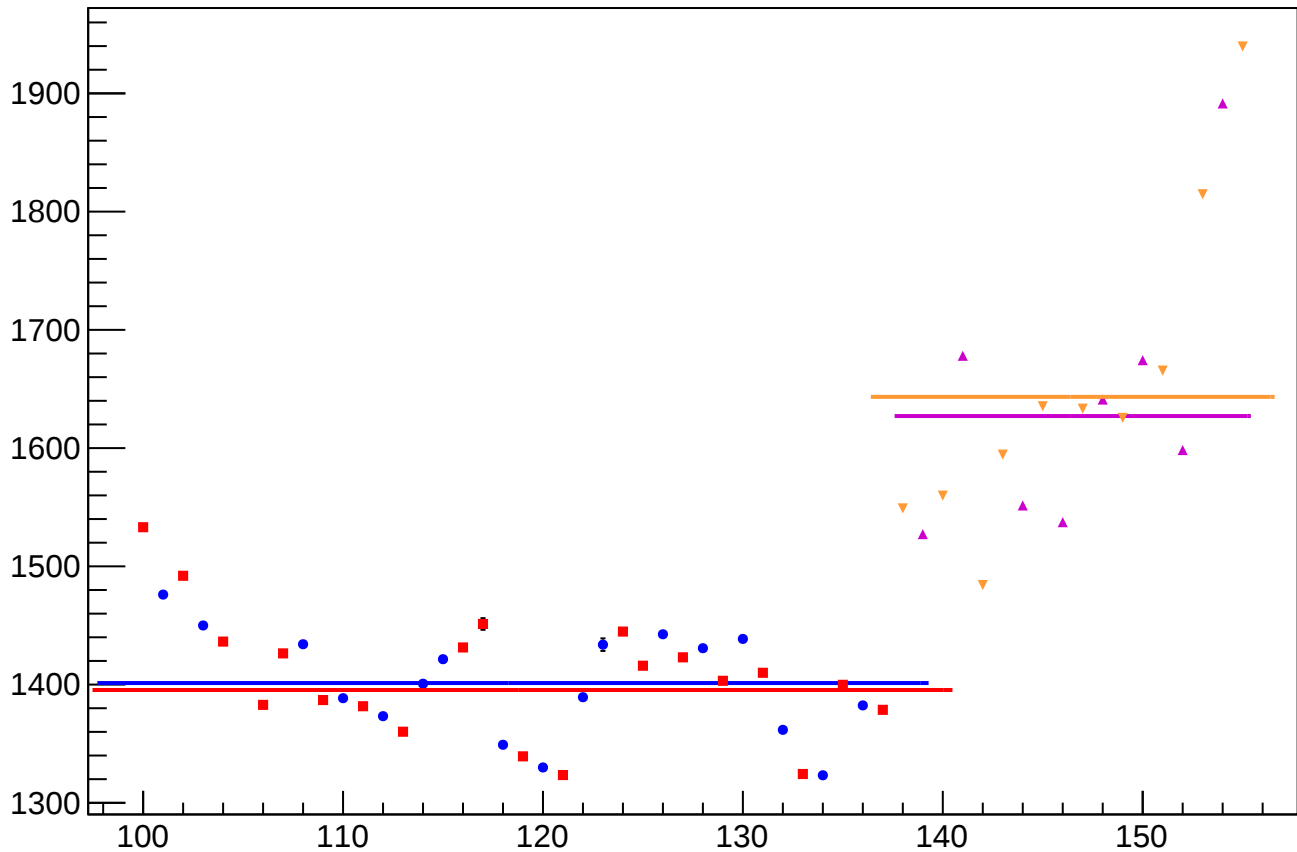
Right Out: 3.419 ± 0.520 χ^2/NDF : 2008.2/19

Left In: -34.271 ± 0.639 χ^2/NDF : 219.7/7

-26.278 ± 0.403 χ^2/NDF : 6310.4/26

-11.621 ± 0.403 χ^2/NDF : 4321.5/27

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

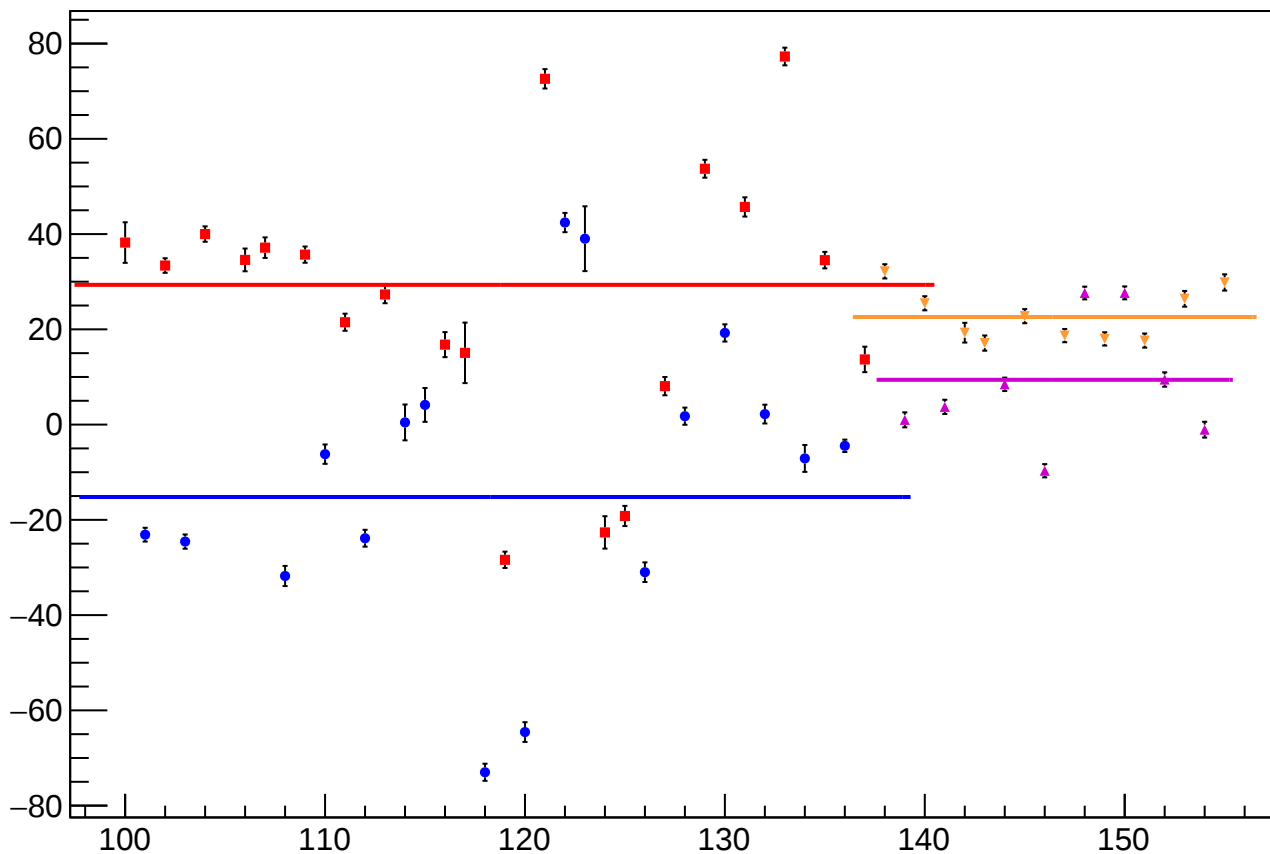
Right Out: 1395.419+/-0.368 χ^2/NDF : 15649.3/19

Left In: 1627.120+/-0.452 χ^2/NDF : 51941.2/7

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

1487.880+/-0.285 χ^2/NDF : 225830.4/27

diff_bpm0i02Y_mean vs Slug



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

Left Out: 22.589 $\pm$ 0.490 χ^2 /NDF:112.3/9

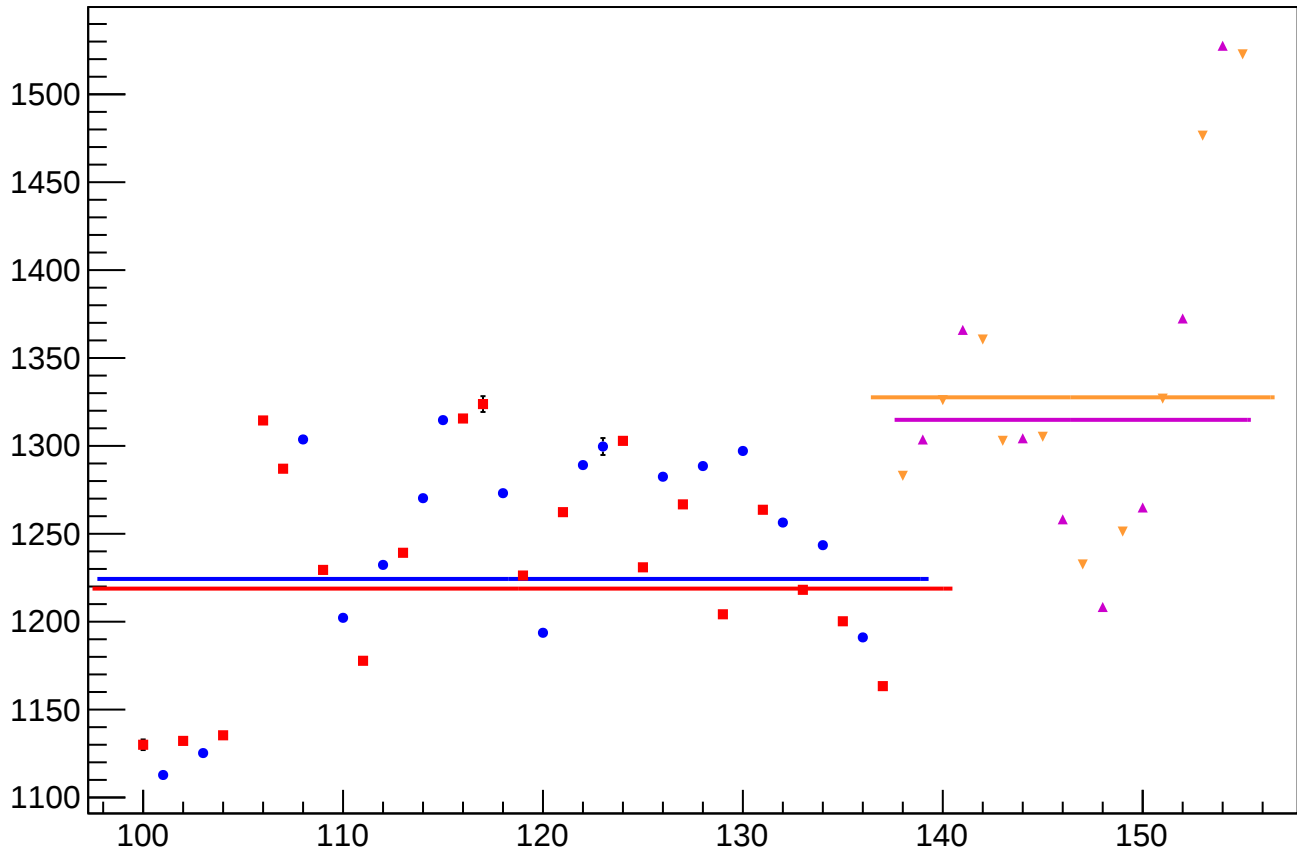
Right Out: 29.344 $\pm$ 0.455 χ^2 /NDF: 3549.9/19

Left In: 9.404 $\pm$ 0.516 χ^2 /NDF:635.4/7

2.998 $\pm$ 0.340 χ^2 /NDF: 6560.5/26

20.612 $\pm$ 0.341 χ^2 /NDF: 5026.3/27

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

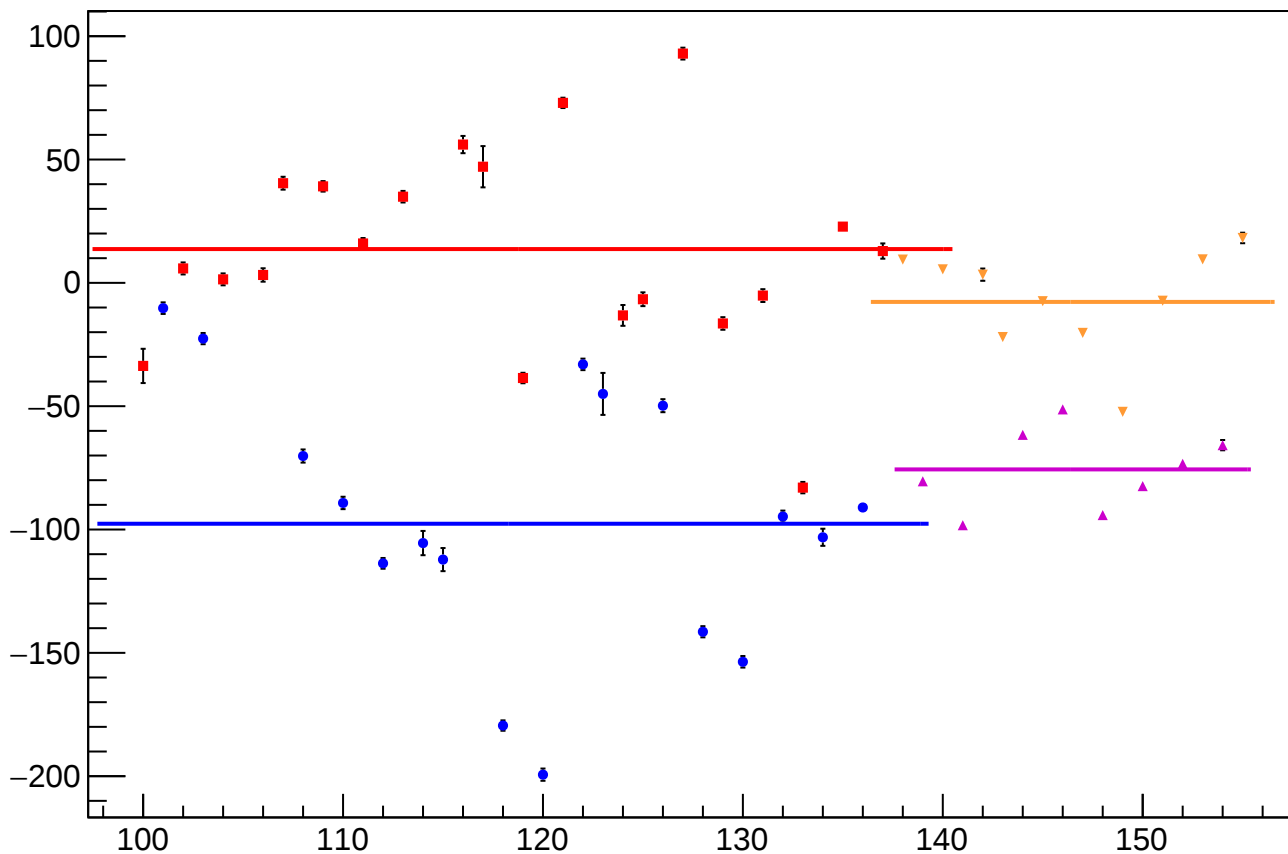
Right Out: 1218.817+/-0.322 χ^2/NDF : 28121.5/19

Left In: 1314.825+/-0.365 χ^2/NDF : 56758.5/7

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

1260.860+/-0.241 χ^2/NDF : 123871.0/27

diff_bpm0i02aX_mean vs Slug



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

Left Out: -7.724 ± 0.612 χ^2/NDF : 1072.5/9

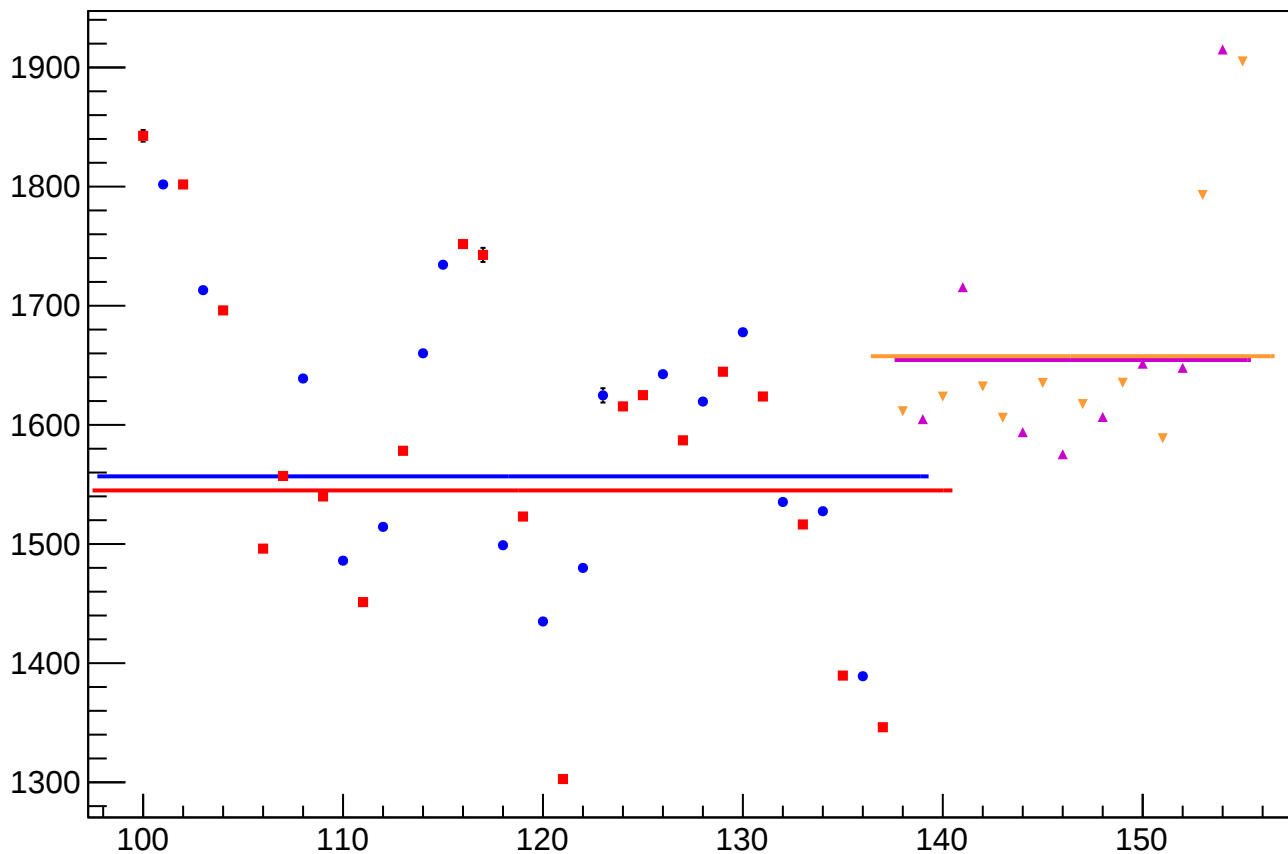
Right Out: 13.698 ± 0.578 χ^2/NDF : 5144.2/19

Left In: -75.631 ± 0.649 χ^2/NDF : 558.3/7

-53.450 ± 0.429 χ^2/NDF : 20004.2/26

-25.844 ± 0.431 χ^2/NDF : 16276.1/27

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

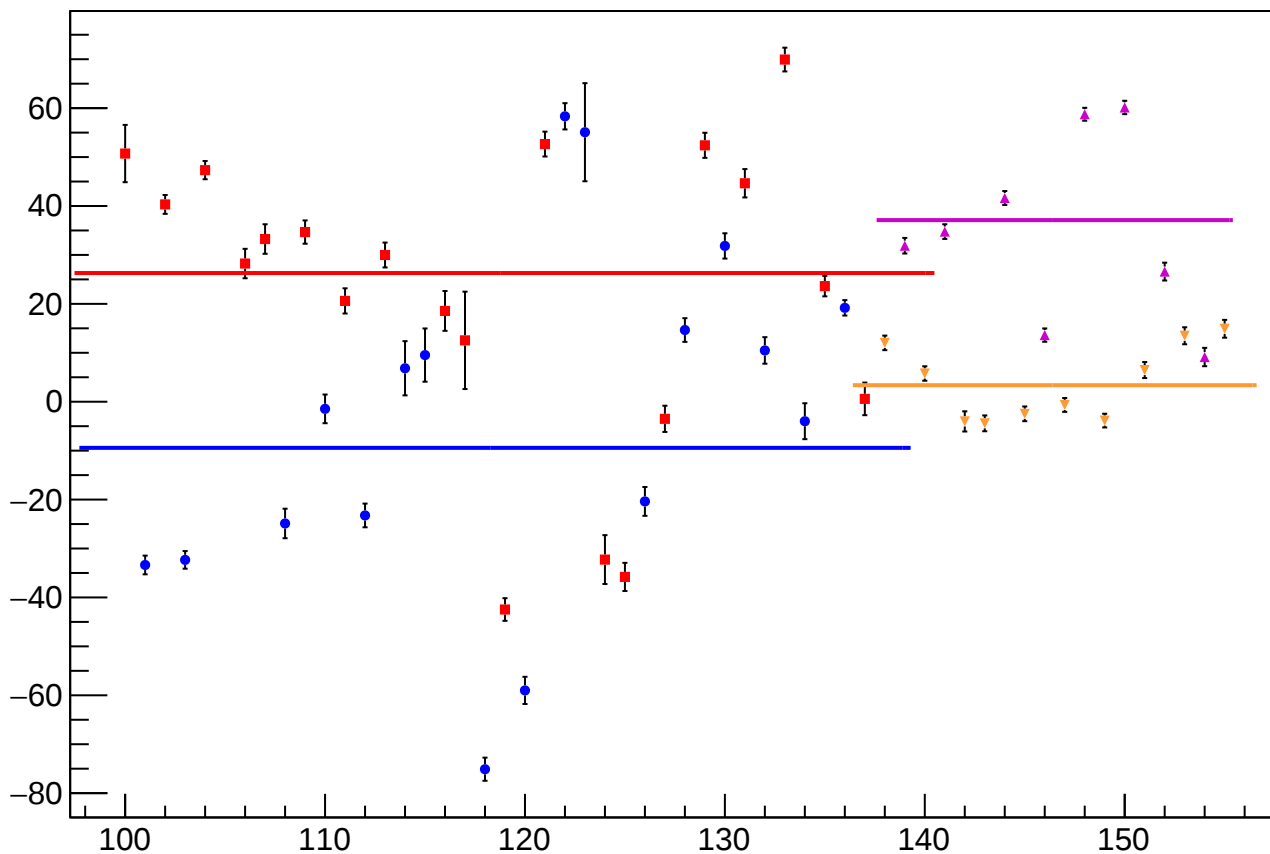
Right Out: 1544.983 ± 0.409 χ^2/NDF : 101624.6/19

Left In: 1654.465 ± 0.459 χ^2/NDF : 42734.9/7

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

1593.446 ± 0.305 χ^2/NDF : 176124.6/27

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

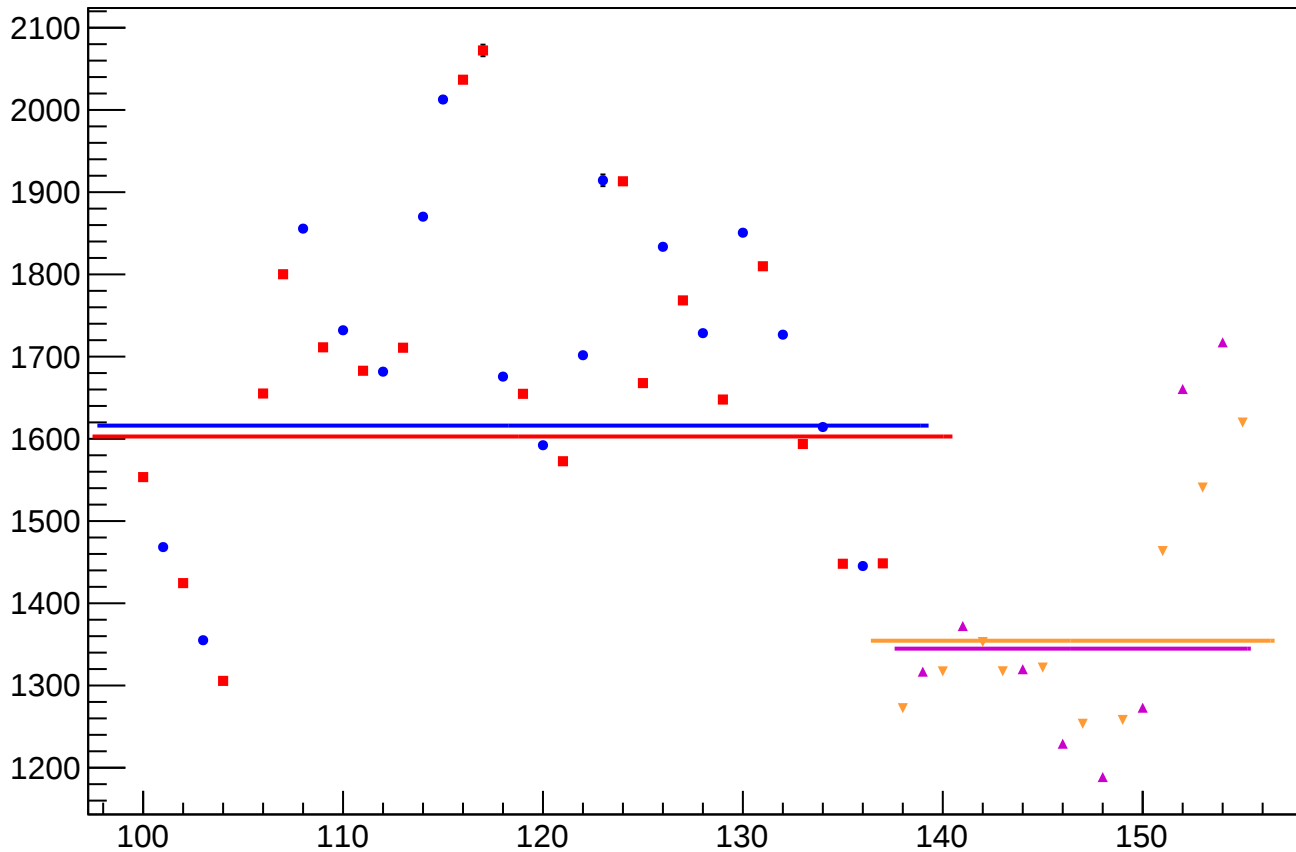
Right Out: 26.304 ± 0.602 χ^2/NDF : 2474.0/19

Left In: 37.115 ± 0.530 χ^2/NDF : 1127.7/7

-1.619 ± 0.391 χ^2/NDF : 3378.7/26

32.390 ± 0.398 χ^2/NDF : 3783.4/27

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

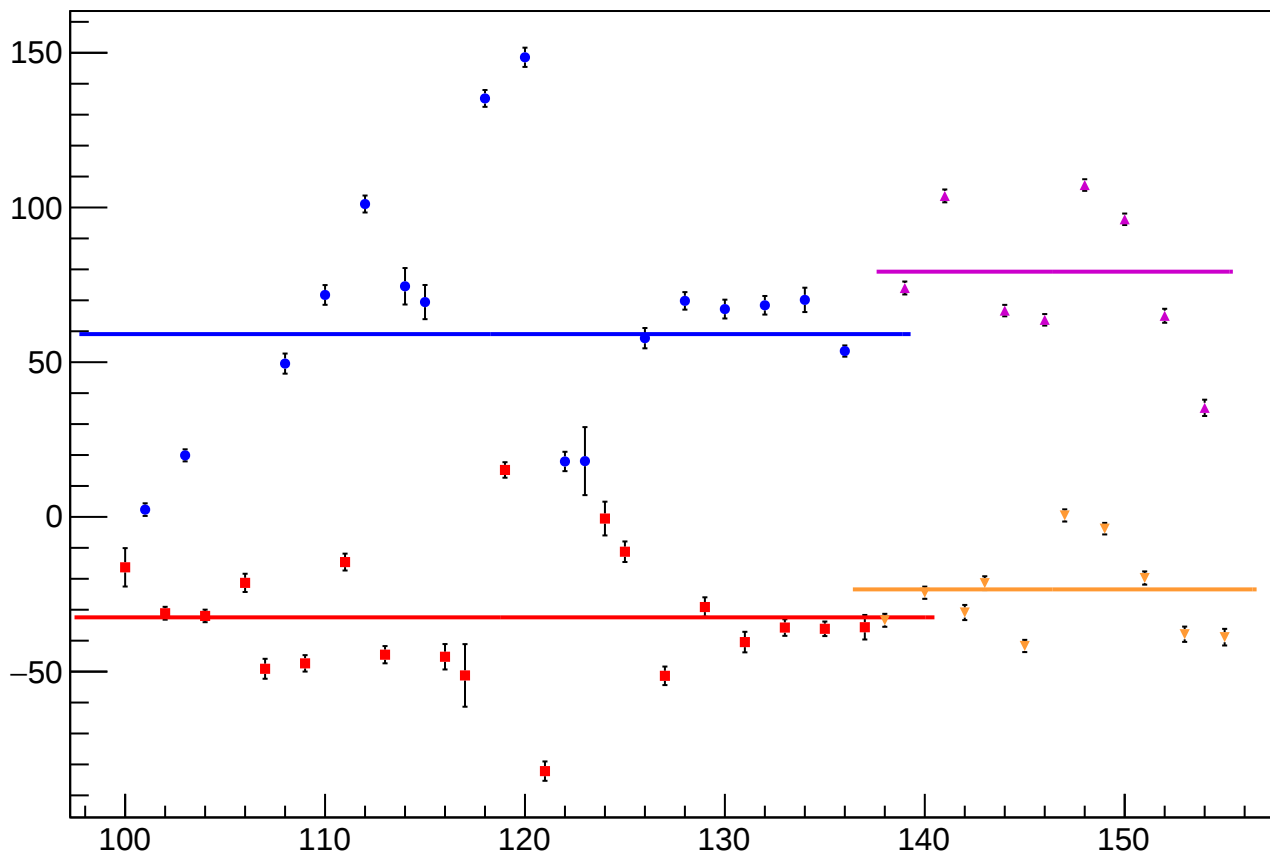
Right Out: 1602.857 ± 0.425 χ^2/NDF : 158119.5/19

Left In: 1344.833 ± 0.375 χ^2/NDF : 188685.7/7

1456.573 ± 0.277 χ^2/NDF : 465603.1/26

1457.594 ± 0.281 χ^2/NDF : 553866.6/27

diff_bpm0i05X_mean vs Slug



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

Left Out: -23.427 ± 0.678 χ^2/NDF : 446.5/9

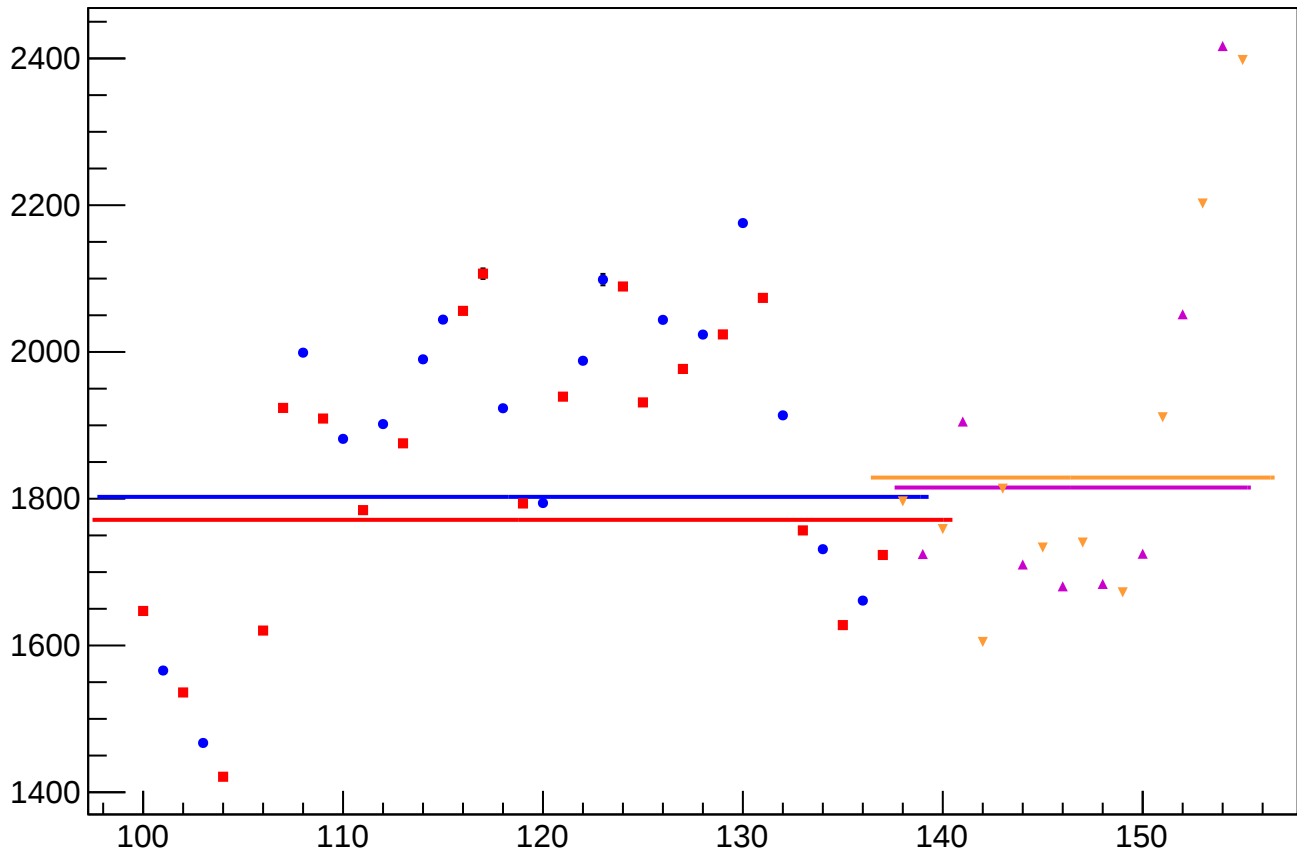
Right Out: -32.463 ± 0.665 χ^2/NDF : 894.9/19

Left In: 79.260 ± 0.715 χ^2/NDF : 885.3/7

16.569 ± 0.487 χ^2/NDF : 10909.6/26

19.325 ± 0.487 χ^2/NDF : 14862.4/27

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

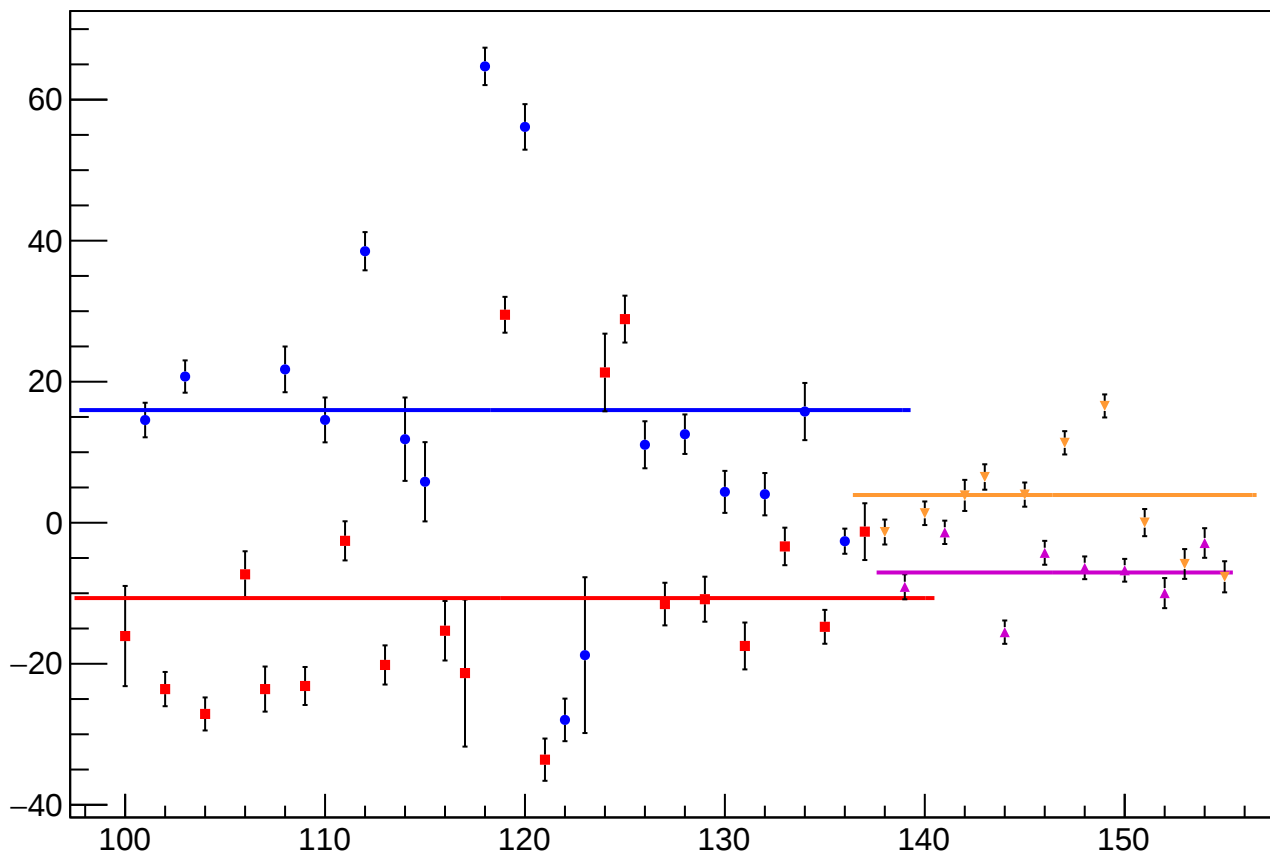
Right Out: 1771.228+/-0.470 χ^2/NDF : 180101.6/19

Left In: 1815.249+/-0.506 χ^2/NDF : 165032.7/7

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

1791.634+/-0.344 χ^2/NDF : 349196.4/27

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

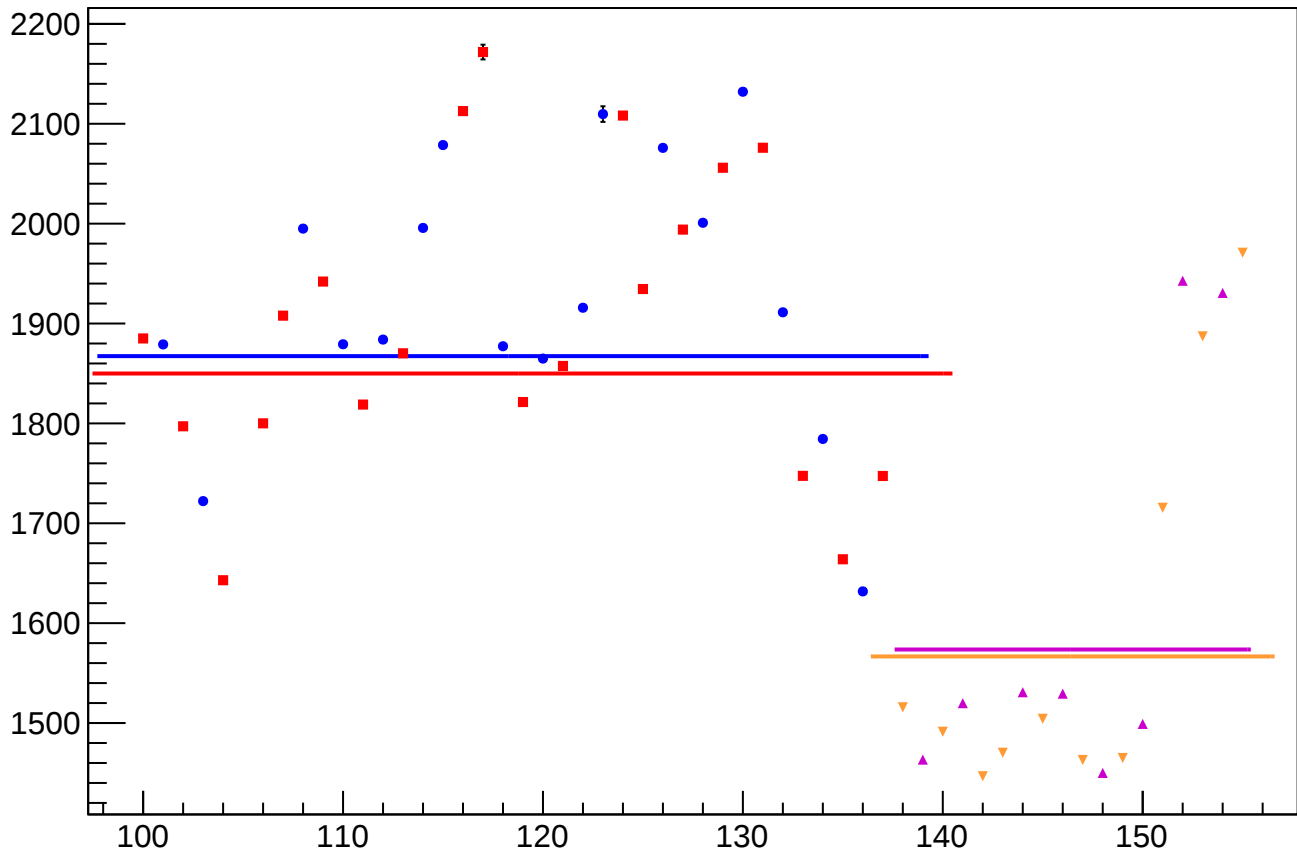
Right Out: -10.685 ± 0.692 χ^2/NDF : 643.2/19

Left In: -7.055 ± 0.619 χ^2/NDF : 48.0/7

8.663 ± 0.452 χ^2/NDF : 1253.6/26

-8.669 ± 0.461 χ^2/NDF : 706.5/27

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

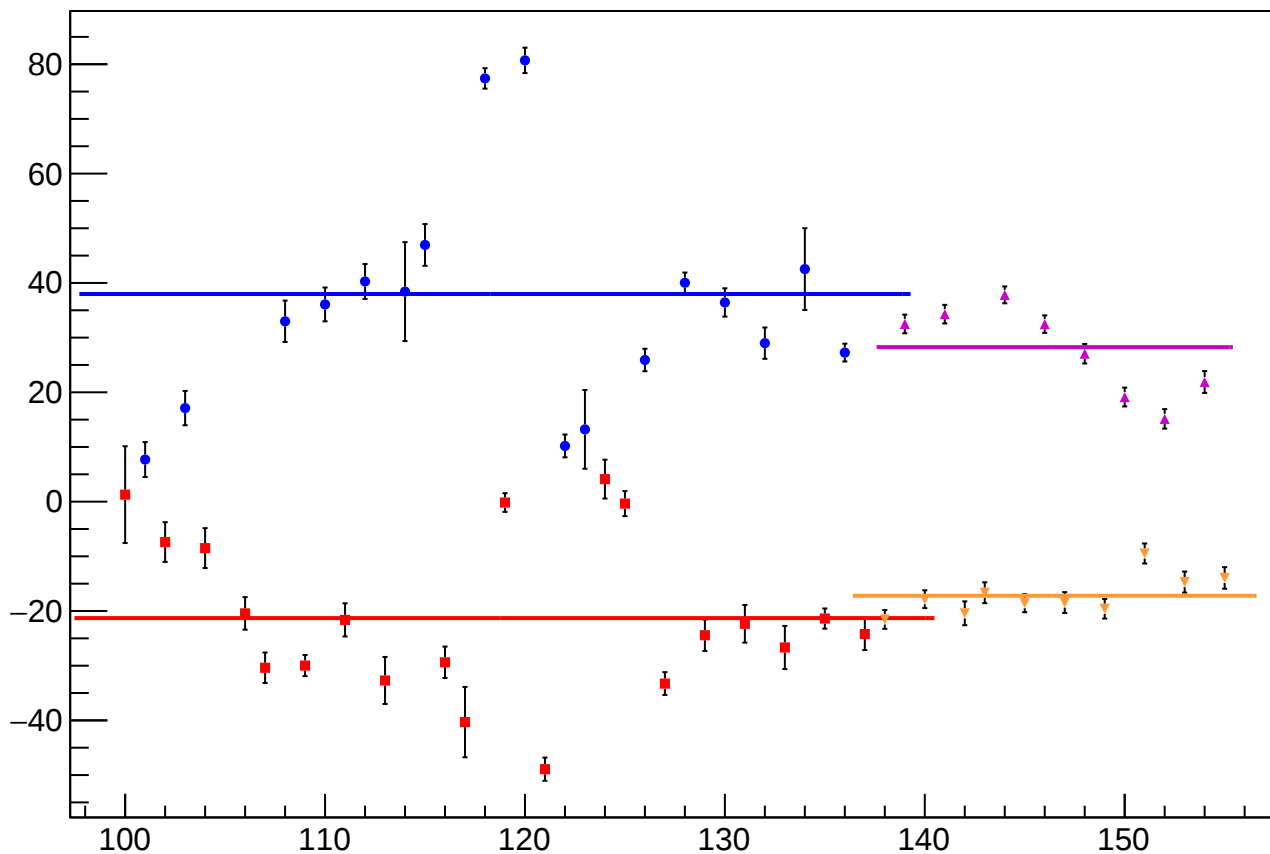
Right Out: 1849.954 $\pm$ 0.489 χ^2 /NDF: 74440.9/19

Left In: 1573.634 $\pm$ 0.438 χ^2 /NDF:146120.6/7

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

1696.471 $\pm$ 0.326 χ^2 /NDF: 397784.8/27

diff_bpm0i07X_mean vs Slug



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

Left Out: -17.207 $\pm$ 0.579 χ^2 /NDF:33.9/9

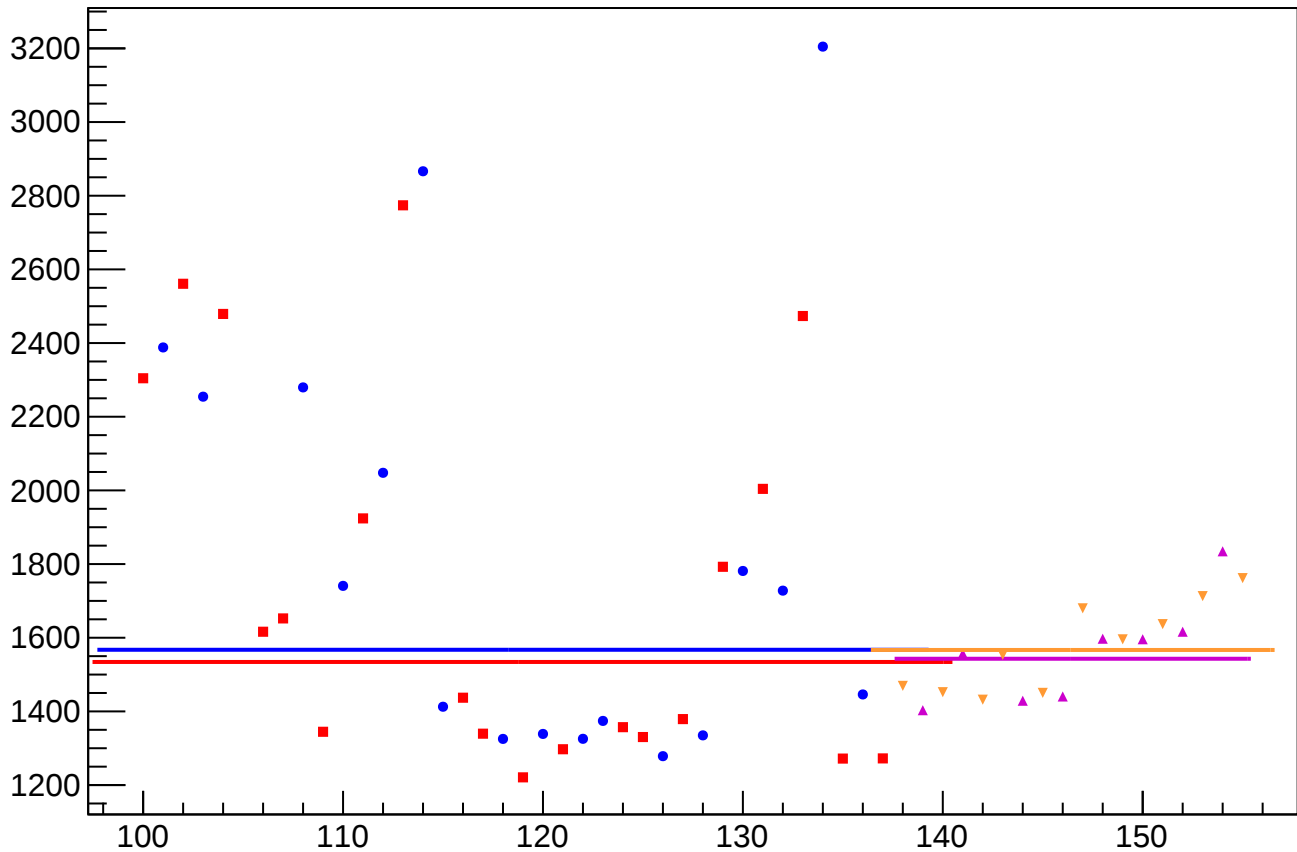
Right Out: -21.294 $\pm$ 0.606 χ^2 /NDF: 582.5/19

Left In: 28.264 $\pm$ 0.606 χ^2 /NDF:157.0/7

7.753 $\pm$ 0.429 χ^2 /NDF: 5344.3/26

3.458 $\pm$ 0.428 χ^2 /NDF: 4083.8/27

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

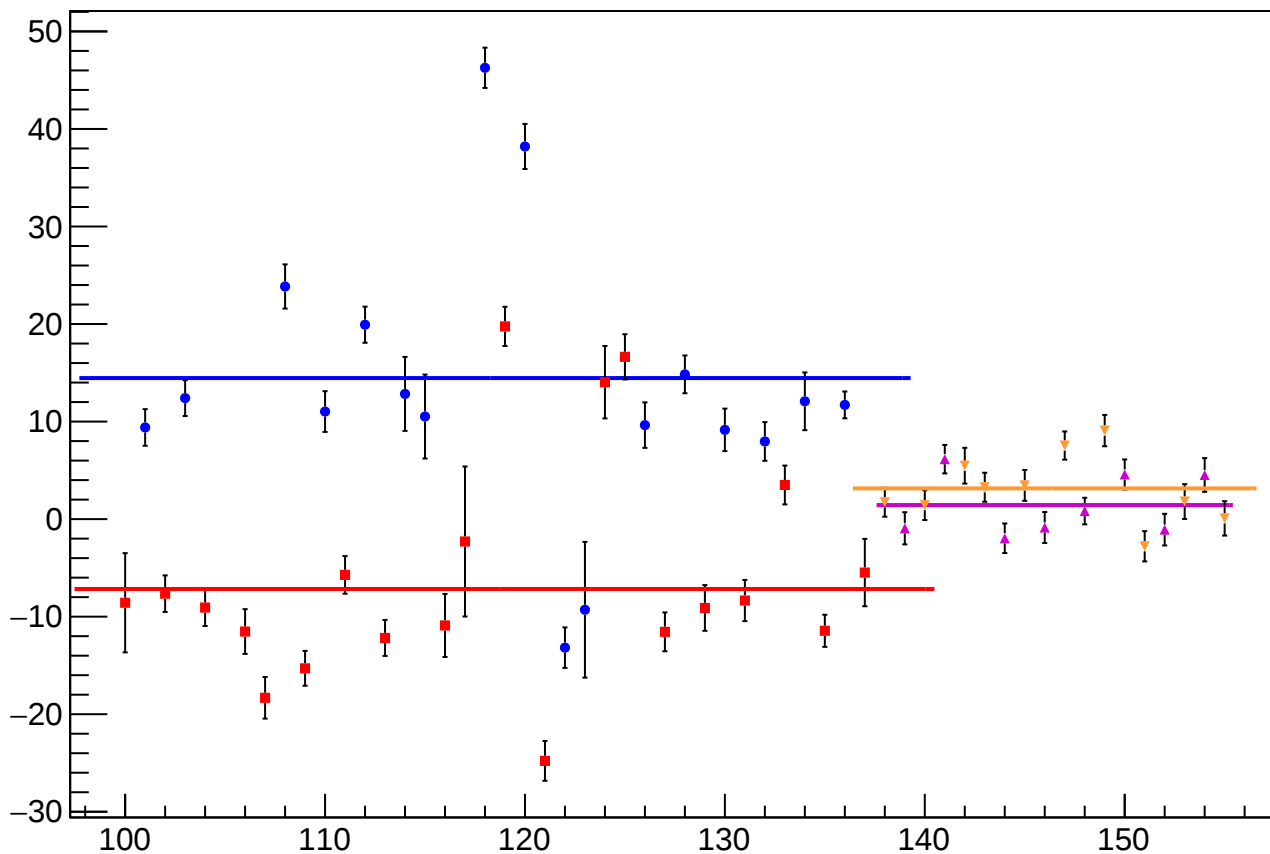
Right Out: 1534.225+/-0.428 χ^2/NDF : 883947.6/19

Left In: 1542.937+/-0.429 χ^2/NDF : 82463.4/7

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

1538.576+/-0.303 χ^2/NDF : 966617.7/27

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

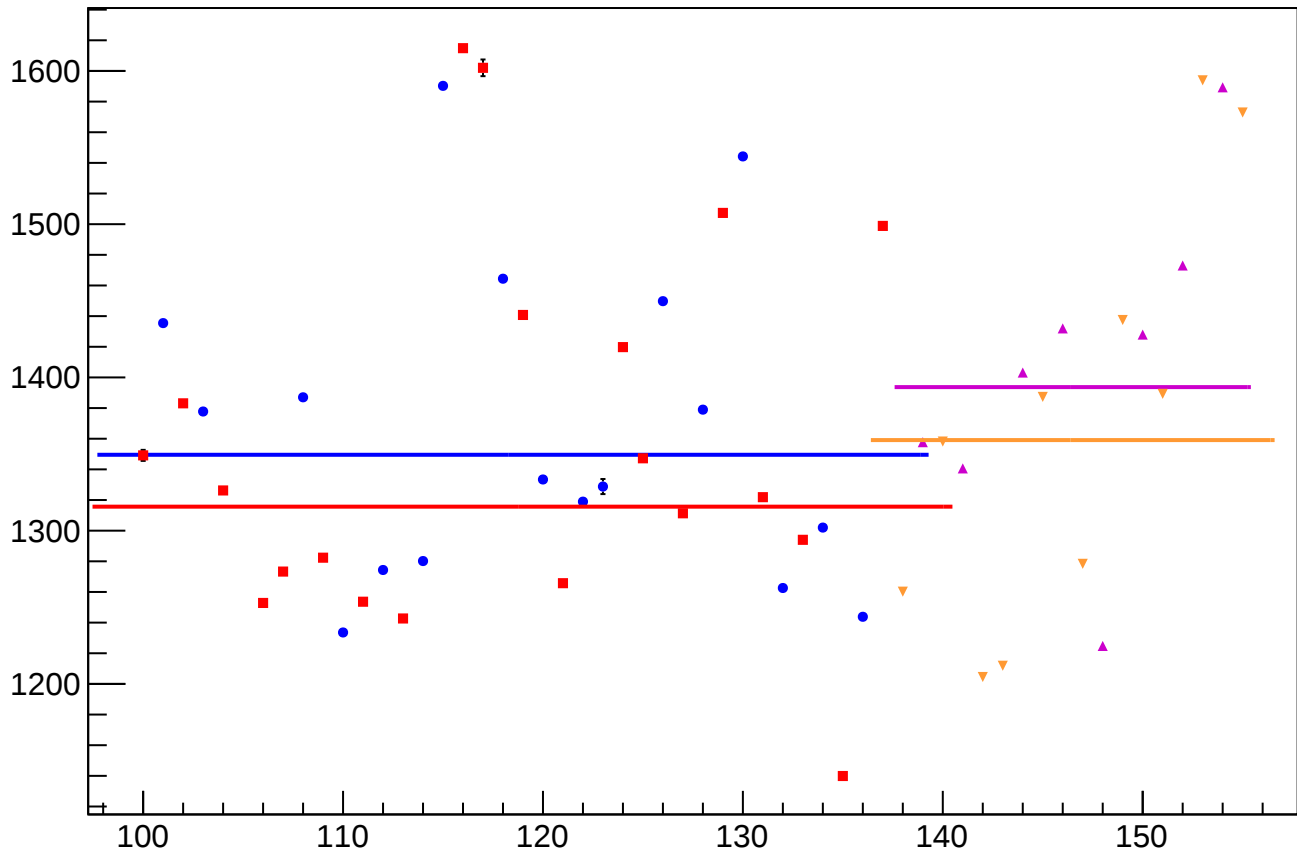
Right Out: -7.161 ± 0.493 χ^2/NDF : 496.1/19

Left In: 1.443 ± 0.547 χ^2/NDF : 29.6/7

8.584 ± 0.363 χ^2/NDF : 883.7/26

-3.301 ± 0.366 χ^2/NDF : 662.1/27

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

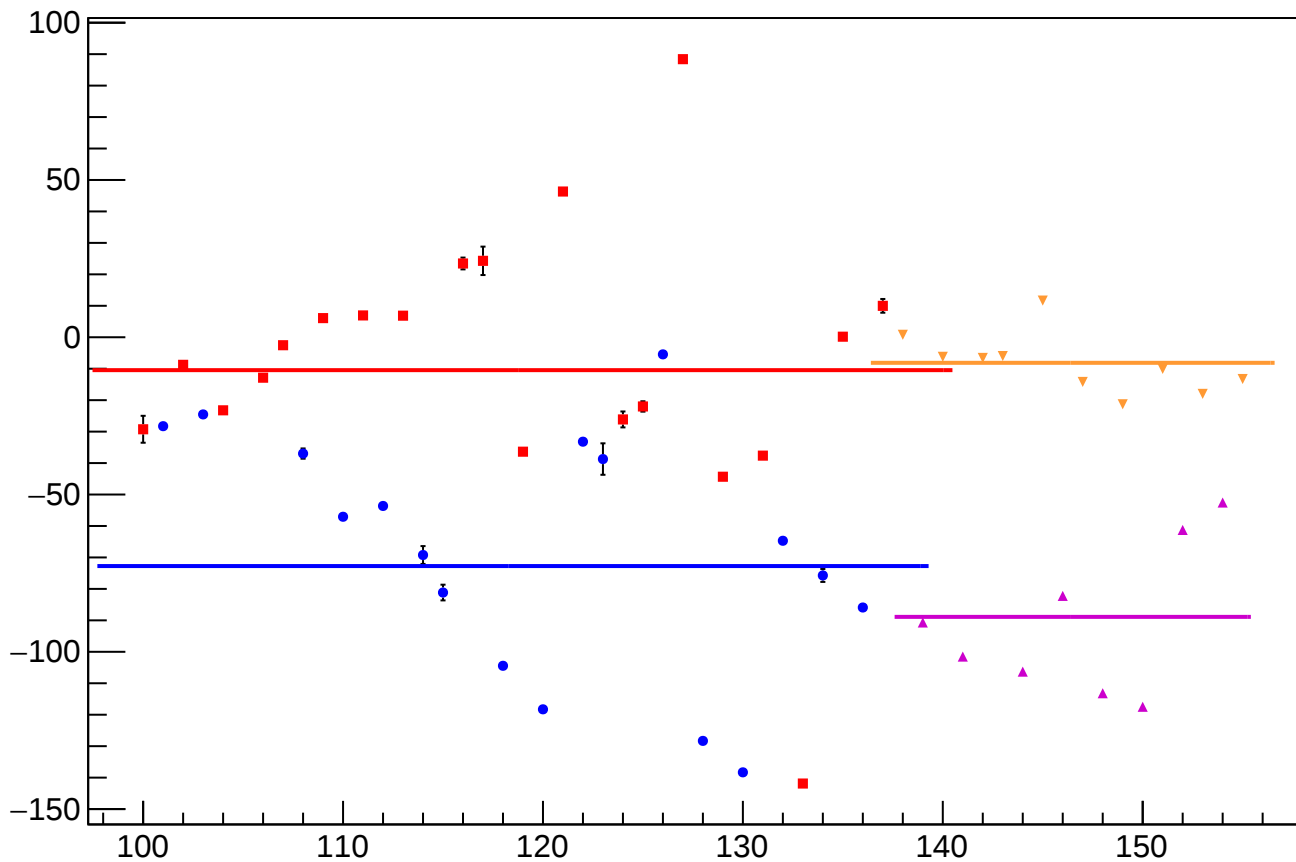
Right Out: 1315.669+/-0.349 χ^2/NDF : 83739.0/19

Left In: 1393.684+/-0.387 χ^2/NDF : 66958.0/7

1354.504+/-0.256 χ^2/NDF : 184113.4/26

1350.669+/-0.259 χ^2/NDF : 173134.6/27

diff_bpm1i02X_mean vs Slug



Right In: -72.741+/-0.362 χ^2/NDF : 11690.4/16

Left Out: -8.126+/-0.346 χ^2/NDF : 691.9/9

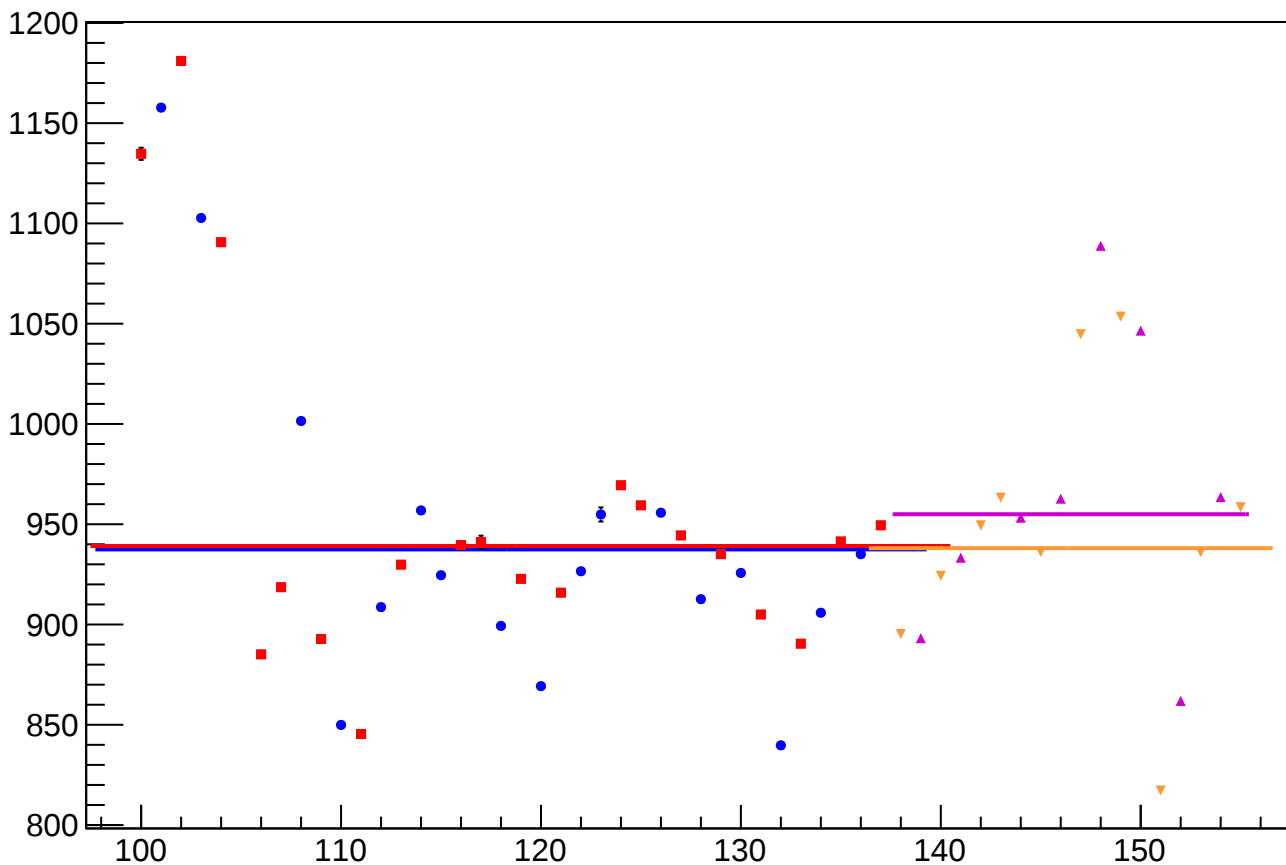
Right Out: -10.459+/-0.351 χ^2/NDF : 18230.6/19

Left In: -88.892+/-0.374 χ^2/NDF : 3572.5/7

-38.984+/-0.250 χ^2/NDF : 28994.5/26

-47.172+/-0.256 χ^2/NDF : 45141.0/27

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

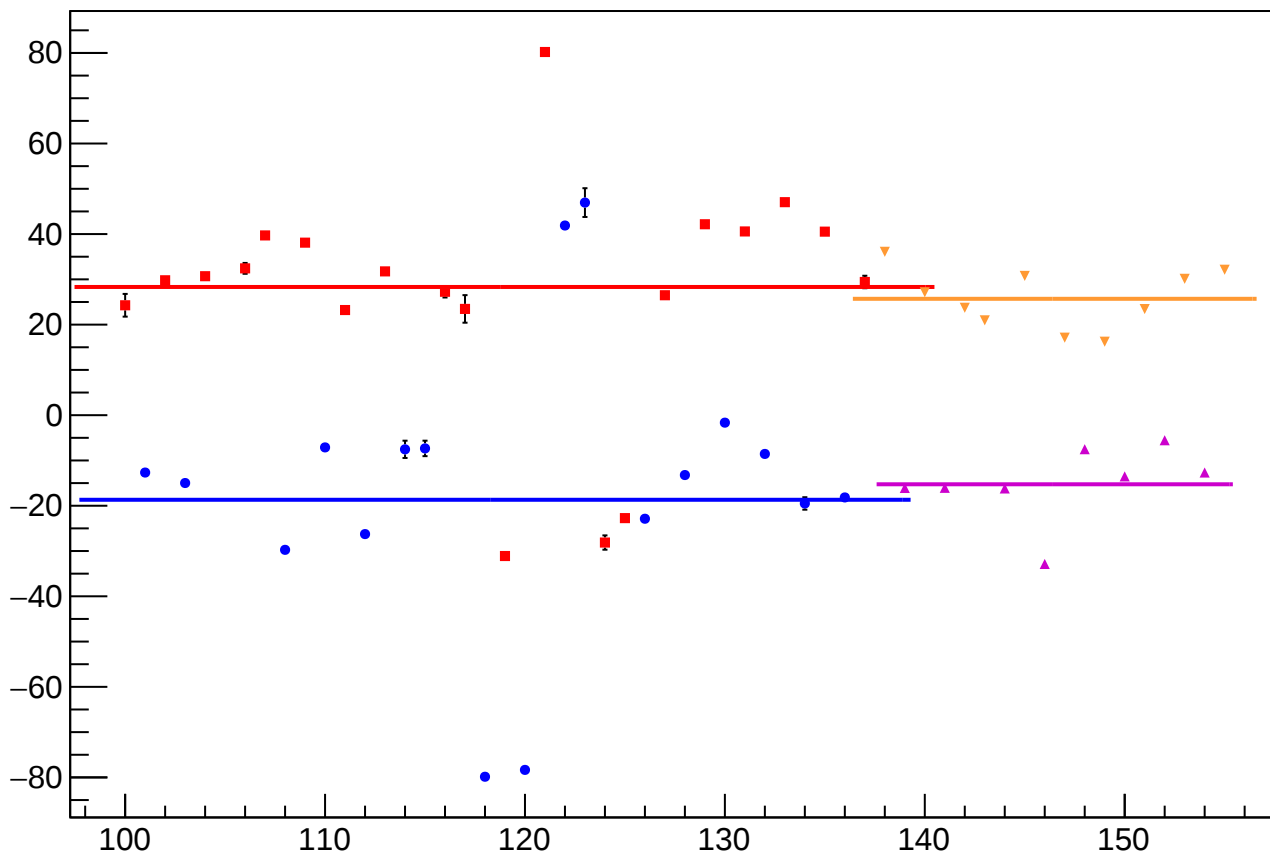
Right Out: 939.152 $\pm$ 0.248 χ^2 /NDF: 90253.6/19

Left In: 954.983 $\pm$ 0.265 χ^2 /NDF: 64576.0/7

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

946.562 $\pm$ 0.181 χ^2 /NDF: 156731.2/27

diff_bpm1i02Y_mean vs Slug



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

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

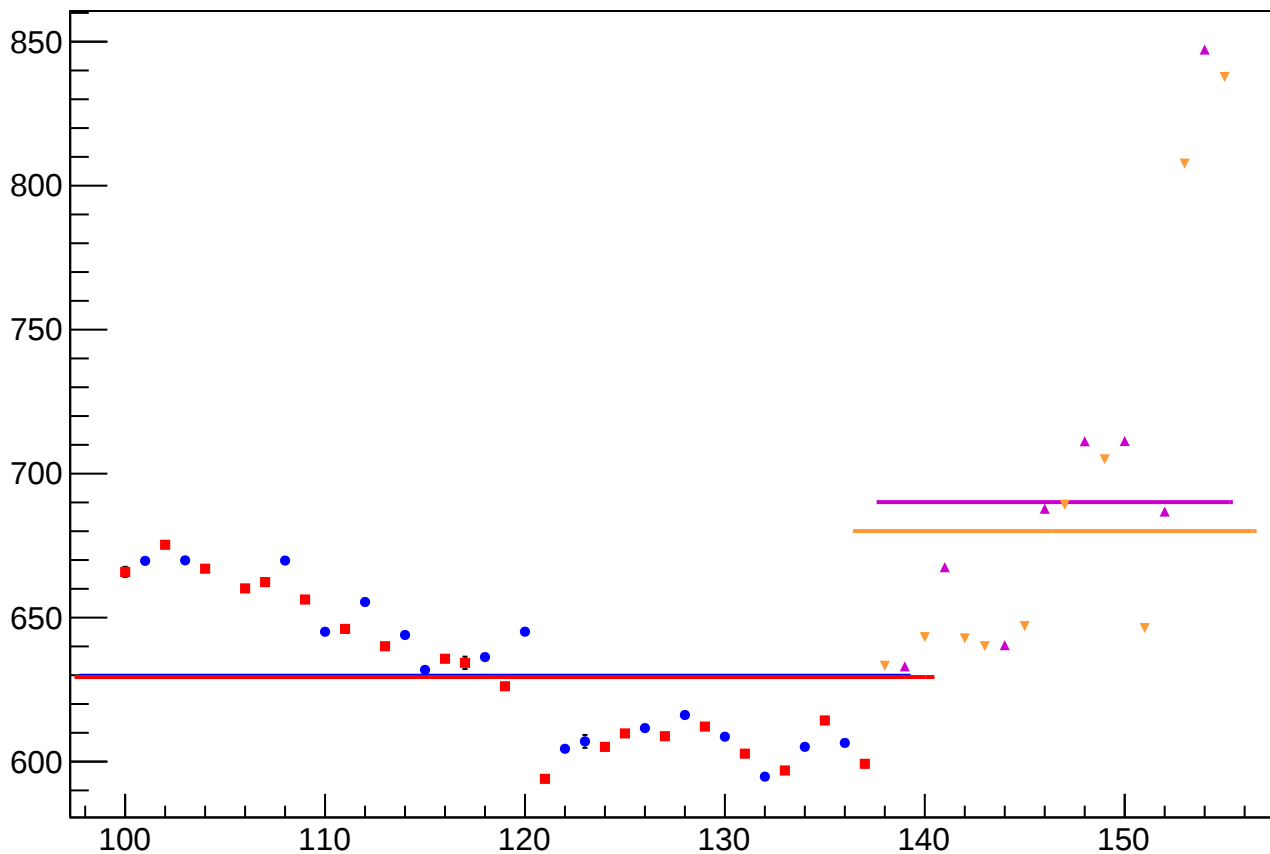
Right Out: 28.318 ± 0.235 $\chi^2/\text{NDF}: 12510.6/19$

Left In: -15.261 ± 0.271 $\chi^2/\text{NDF}: 810.5/7$

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

9.639 ± 0.177 $\chi^2/\text{NDF}: 28091.2/27$

diff_bpm1i02Y_rms vs Slug



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

Left Out: 680.055 $\pm$ 0.178 χ^2 /NDF:126975.8/9

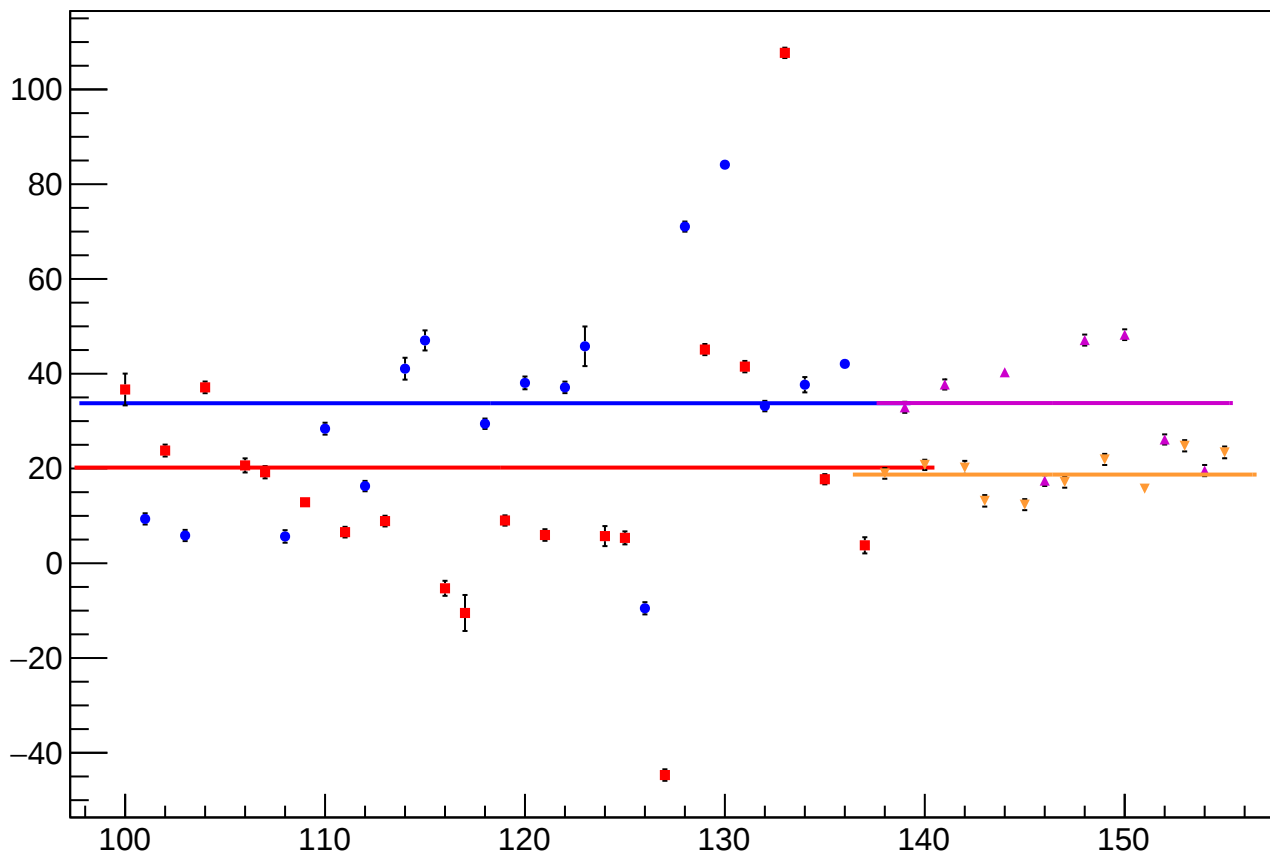
Right Out: 629.370 $\pm$ 0.166 χ^2 /NDF: 25543.7/19

Left In: 690.109 $\pm$ 0.192 χ^2 /NDF:83907.9/7

654.013 $\pm$ 0.124 χ^2 /NDF: 191566.7/26

655.404 $\pm$ 0.125 χ^2 /NDF: 166838.7/27

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

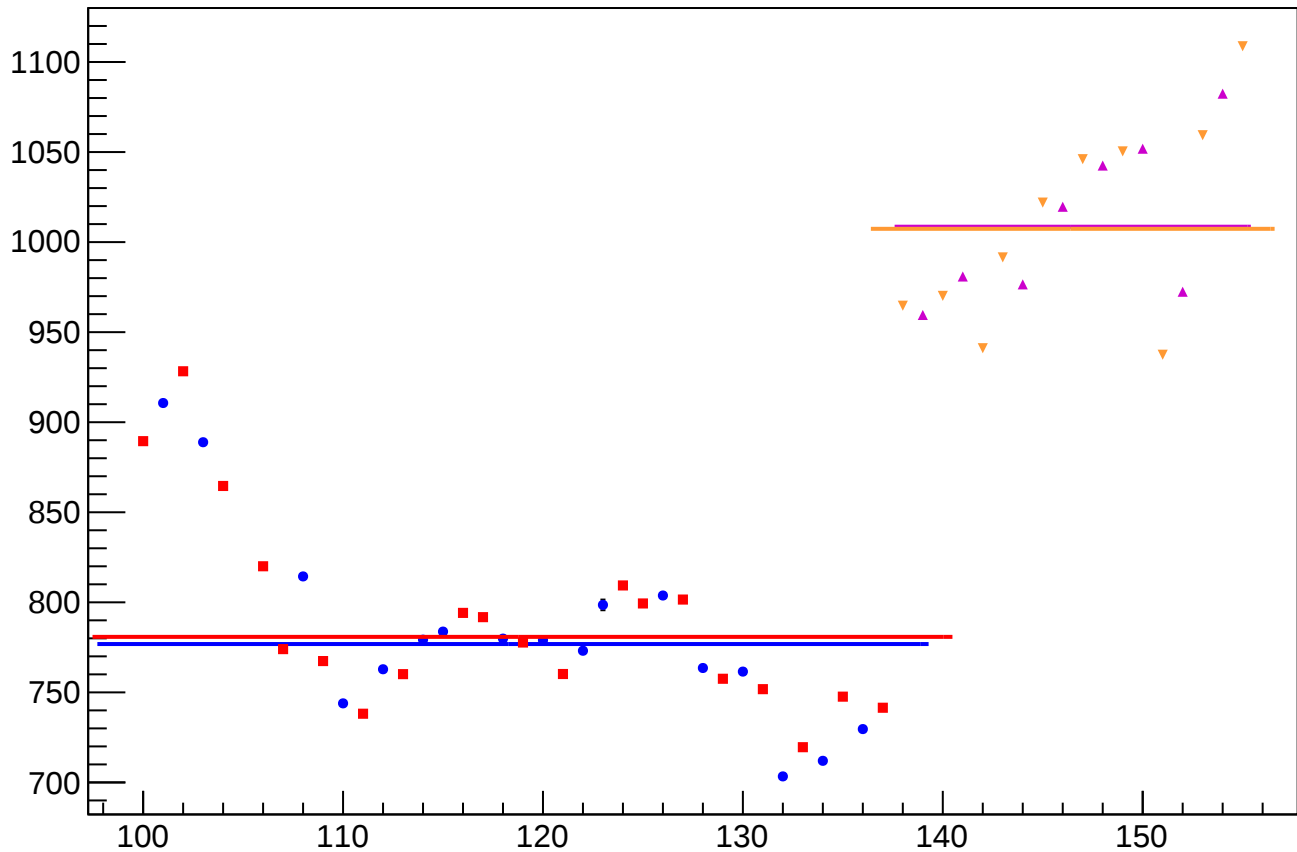
Right Out: 20.193 ± 0.292 χ^2/NDF : 11353.3/19

Left In: 33.810 ± 0.395 χ^2/NDF : 753.0/7

27.833 ± 0.233 χ^2/NDF : 7594.9/26

24.999 ± 0.235 χ^2/NDF : 12875.6/27

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

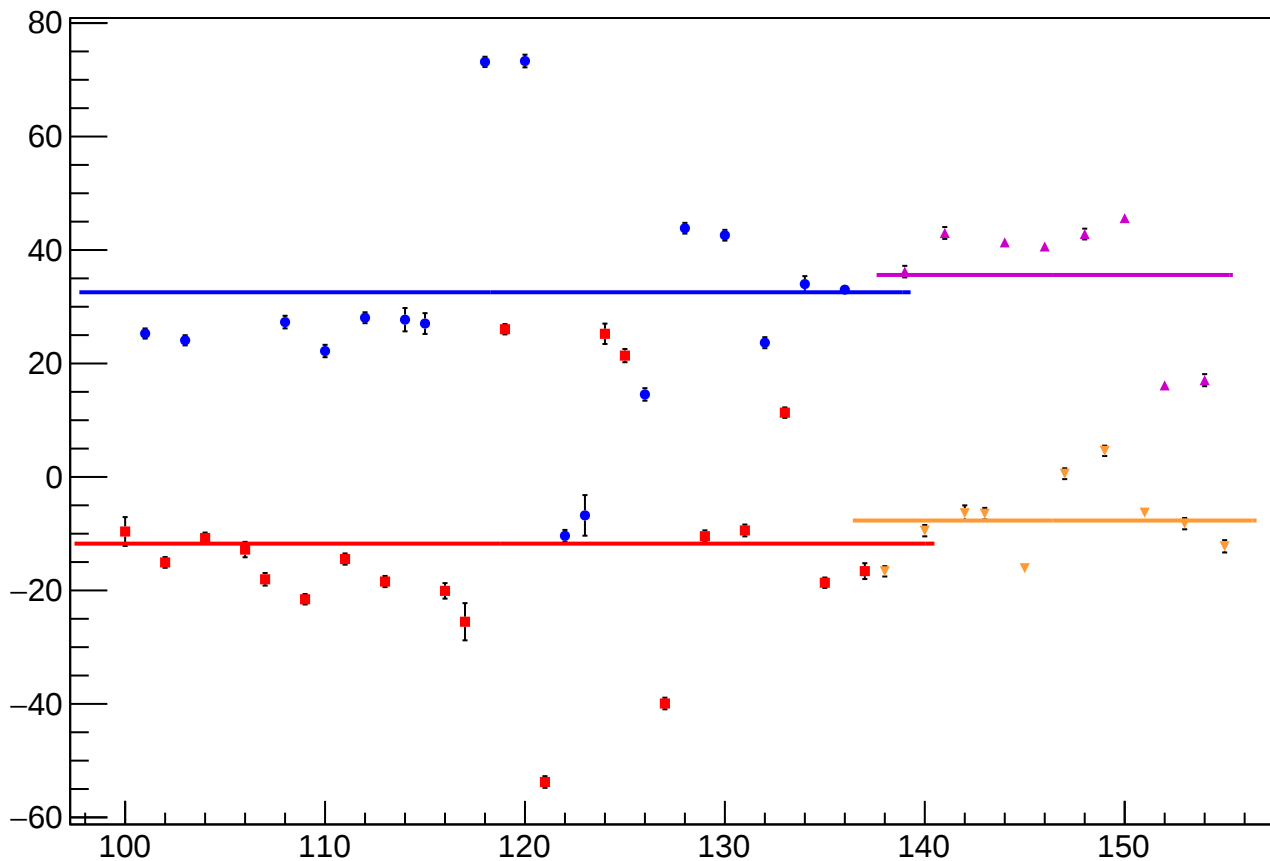
Right Out: 780.820 $\pm$ 0.206 χ^2 /NDF: 57445.6/19

Left In: 1008.553 $\pm$ 0.279 χ^2 /NDF: 21664.1/7

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

861.192 $\pm$ 0.166 χ^2 /NDF: 509447.0/27

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

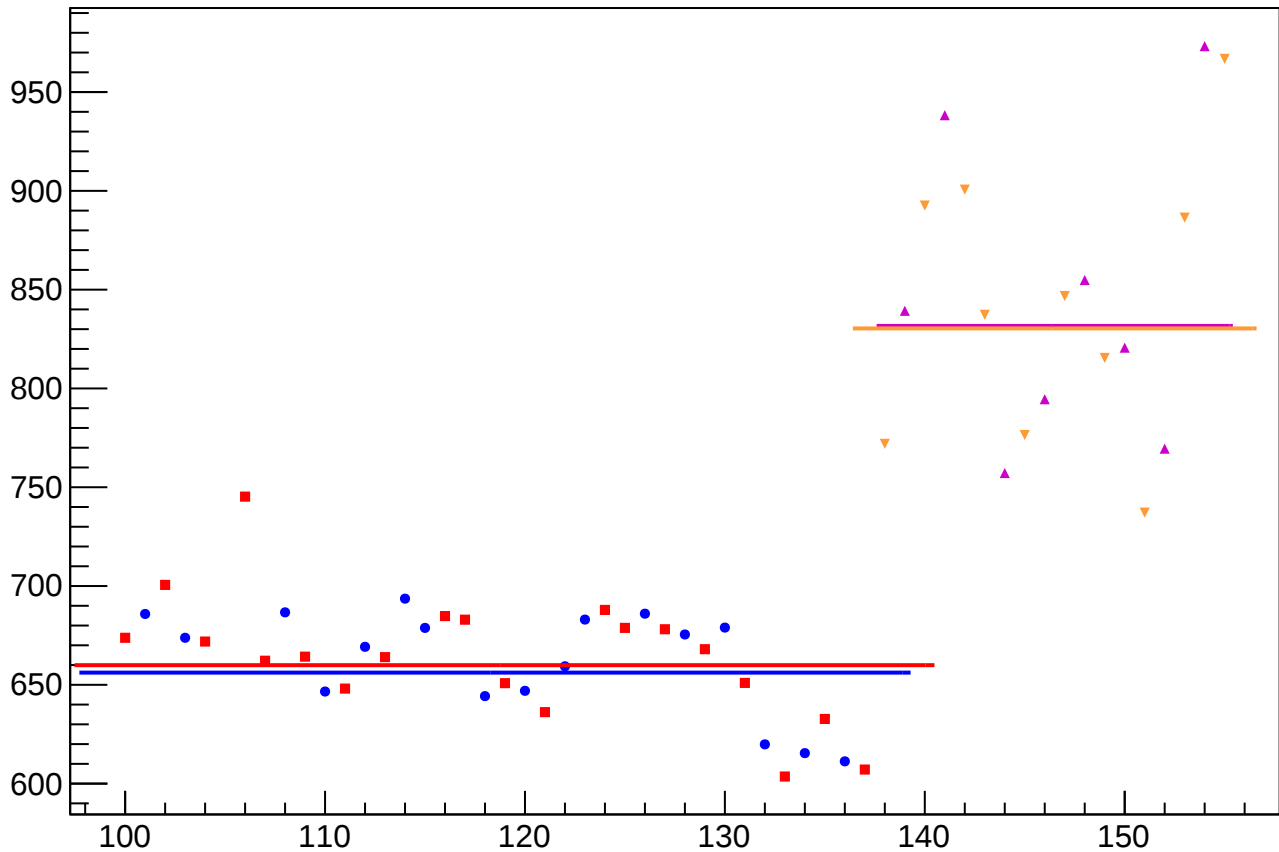
Right Out: -11.752 ± 0.246 χ^2/NDF : 6375.4/19

Left In: 35.604 ± 0.328 χ^2/NDF : 1142.5/7

16.323 ± 0.195 χ^2/NDF : 16753.7/26

5.315 ± 0.197 χ^2/NDF : 20841.3/27

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

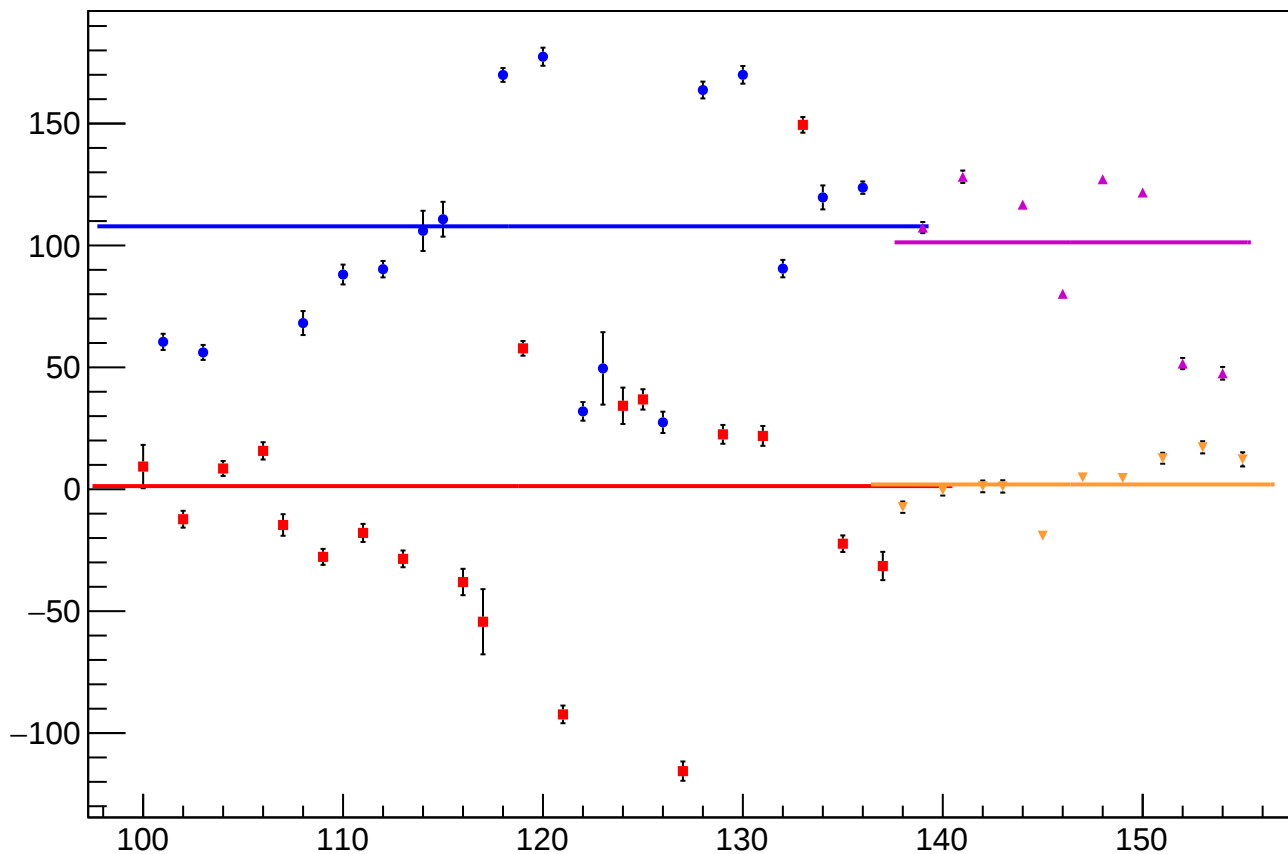
Right Out: 659.944+/-0.174 χ^2/NDF : 28425.0/19

Left In: 831.638+/-0.232 χ^2/NDF : 88357.1/7

726.456+/-0.138 χ^2/NDF : 499733.5/26

721.821+/-0.139 χ^2/NDF : 467062.4/27

diff_bpm1i06X_mean vs Slug



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

Left Out: 1.971 $\pm$ 0.692 χ^2 /NDF:202.7/9

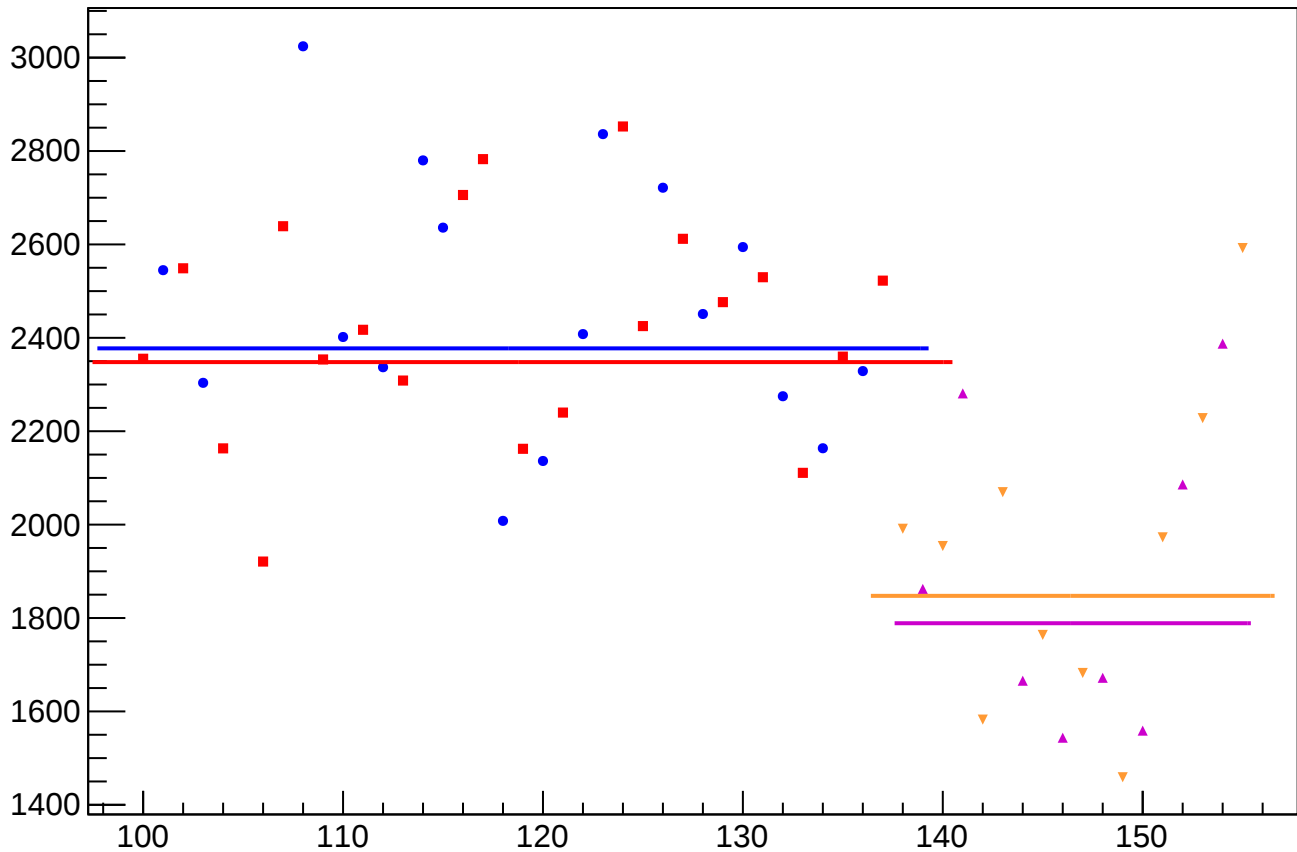
Right Out: 1.299 $\pm$ 0.881 χ^2 /NDF: 4541.1/19

Left In: 101.273 $\pm$ 0.714 χ^2 /NDF:1571.4/7

40.165 $\pm$ 0.553 χ^2 /NDF: 11450.8/26

61.676 $\pm$ 0.555 χ^2 /NDF: 13882.5/27

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

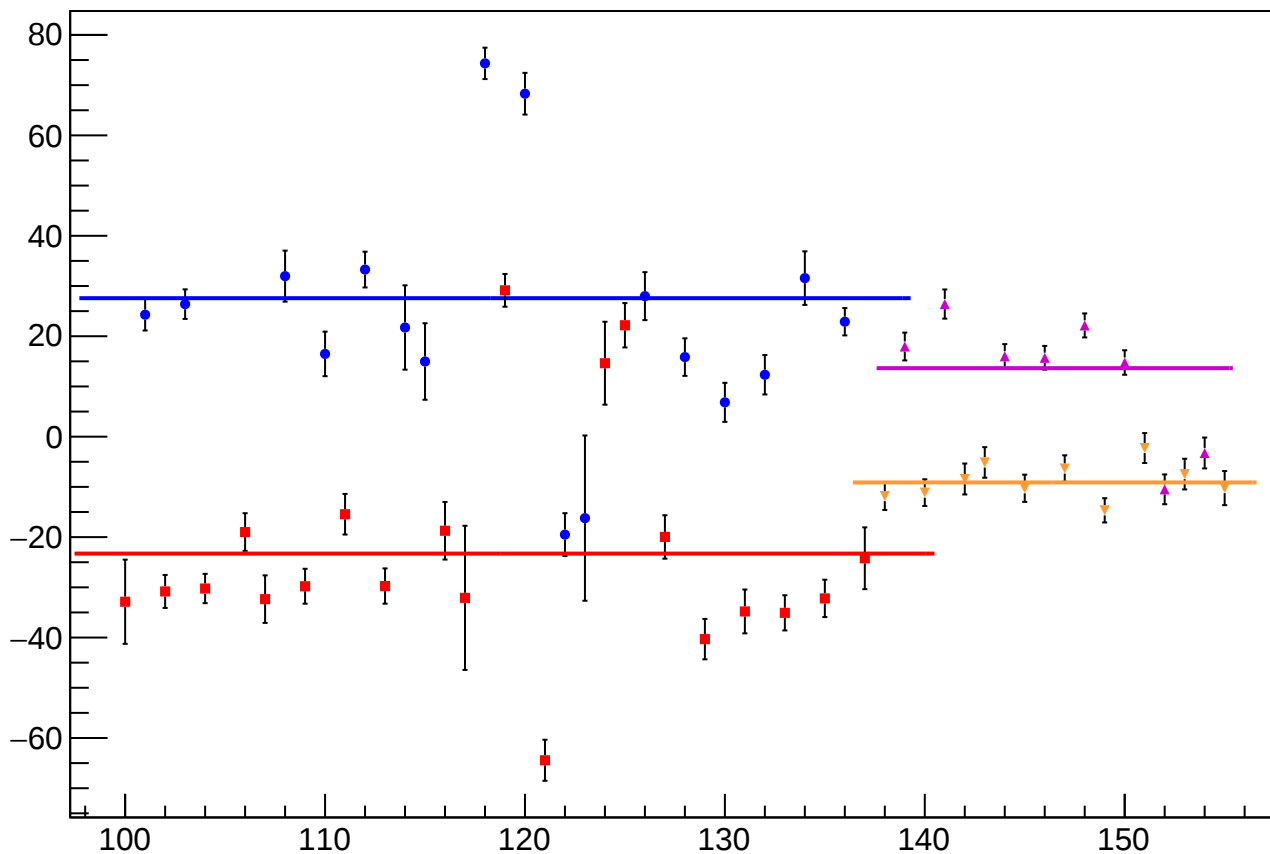
Right Out: 2348.017+/-0.623 χ^2/NDF : 110379.6/19

Left In: 1788.831+/-0.505 χ^2/NDF : 311765.9/7

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

2010.306+/-0.392 χ^2/NDF : 908325.4/27

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

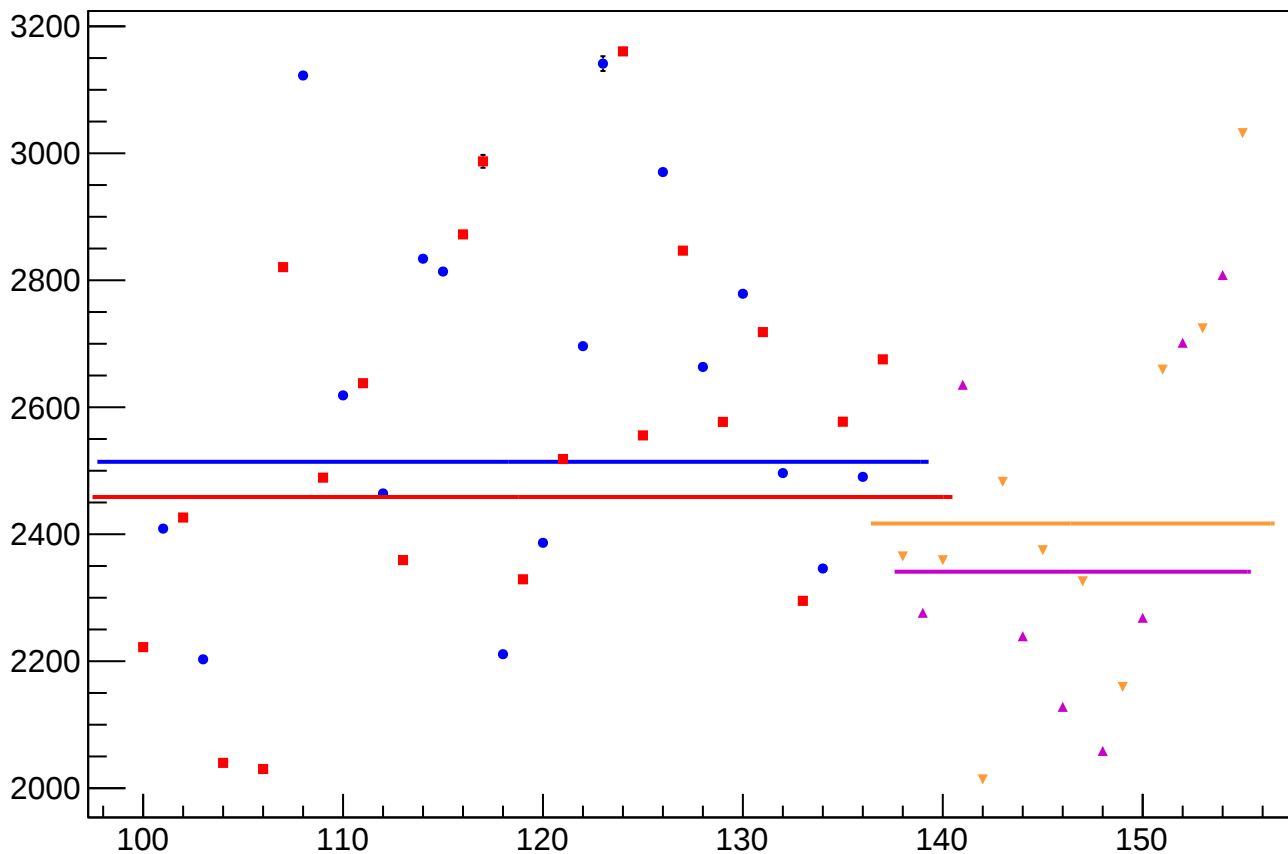
Right Out: -23.280 ± 0.925 χ^2/NDF : 558.2/19

Left In: 13.643 ± 0.928 χ^2/NDF : 132.7/7

7.697 ± 0.660 χ^2/NDF : 1302.8/26

-4.880 ± 0.655 χ^2/NDF : 1484.8/27

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

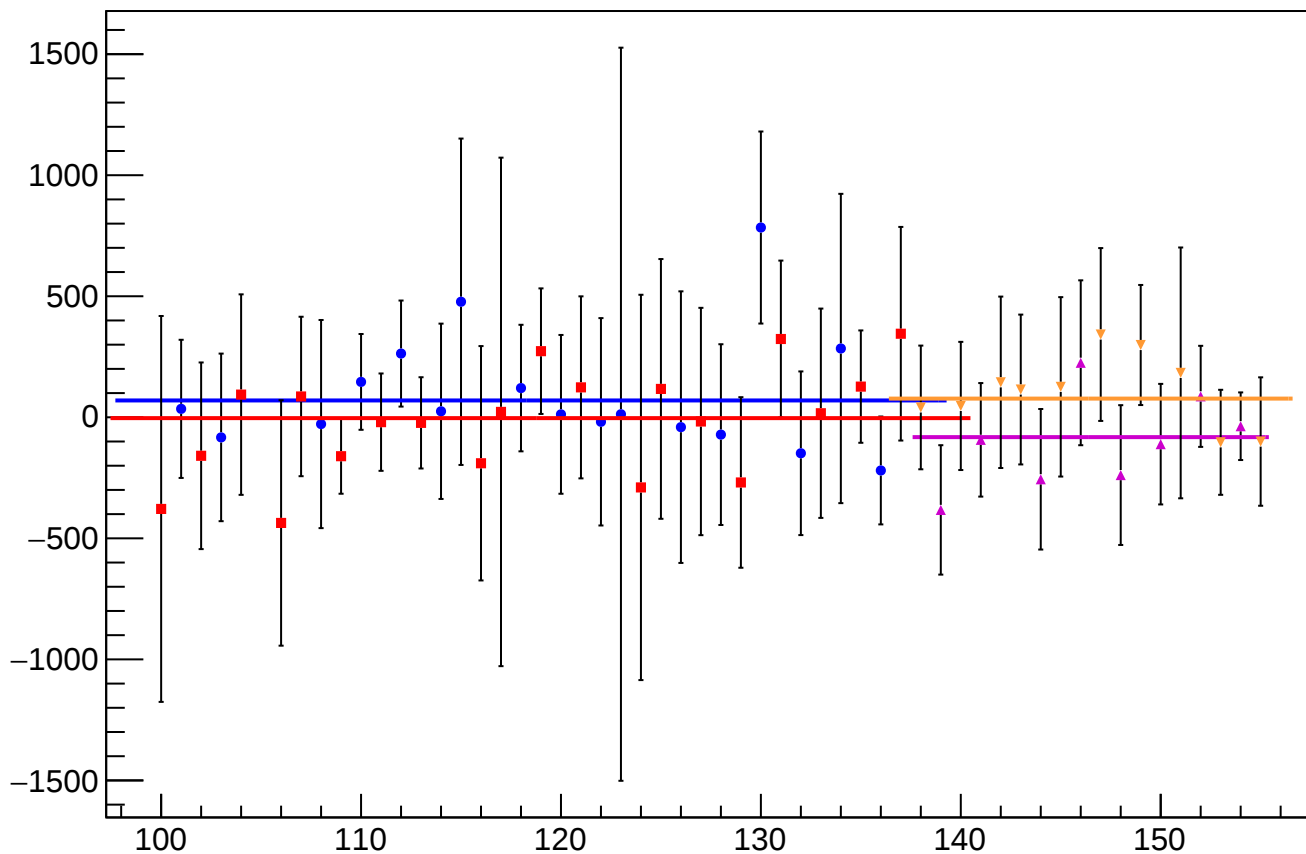
Right Out: 2458.665+/-0.654 χ^2/NDF : 152458.1/19

Left In: 2340.994+/-0.656 χ^2/NDF : 146851.8/7

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

2400.027+/-0.463 χ^2/NDF : 315436.0/27

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

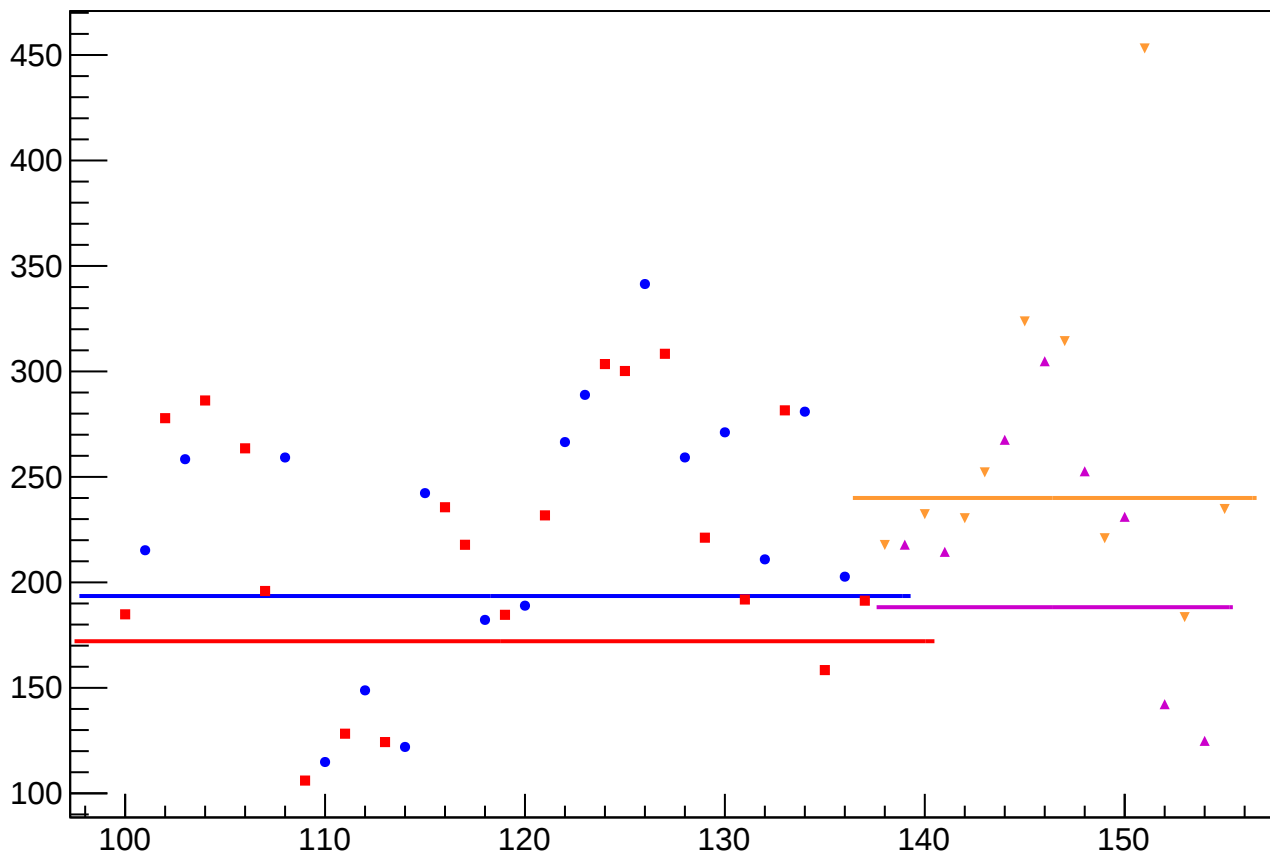
Right Out: -3.448 $\pm$ 69.825 χ^2 /NDF: 6.4/19

Left In: -81.936 $\pm$ 80.317 χ^2 /NDF: 3.5/7

72.844 $\pm$ 59.898 χ^2 /NDF: 10.0/26

-37.233 $\pm$ 52.695 χ^2 /NDF: 10.4/27

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

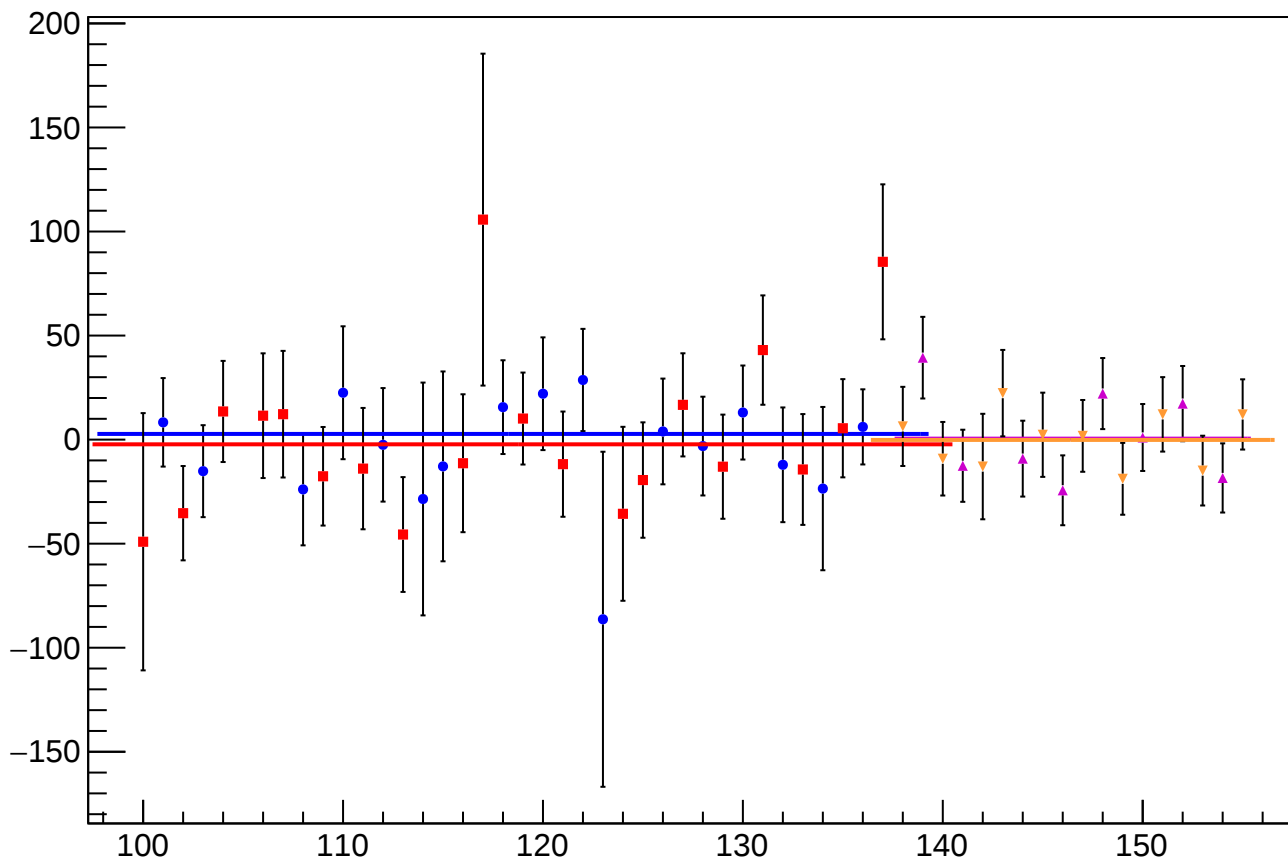
213.310+/-0.042 χ^2/NDF : 2001771.6/26

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

179.049+/-0.037 χ^2/NDF : 2727774.1/27

Left In: 188.239+/-0.057 χ^2/NDF : 1101108.9/7

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

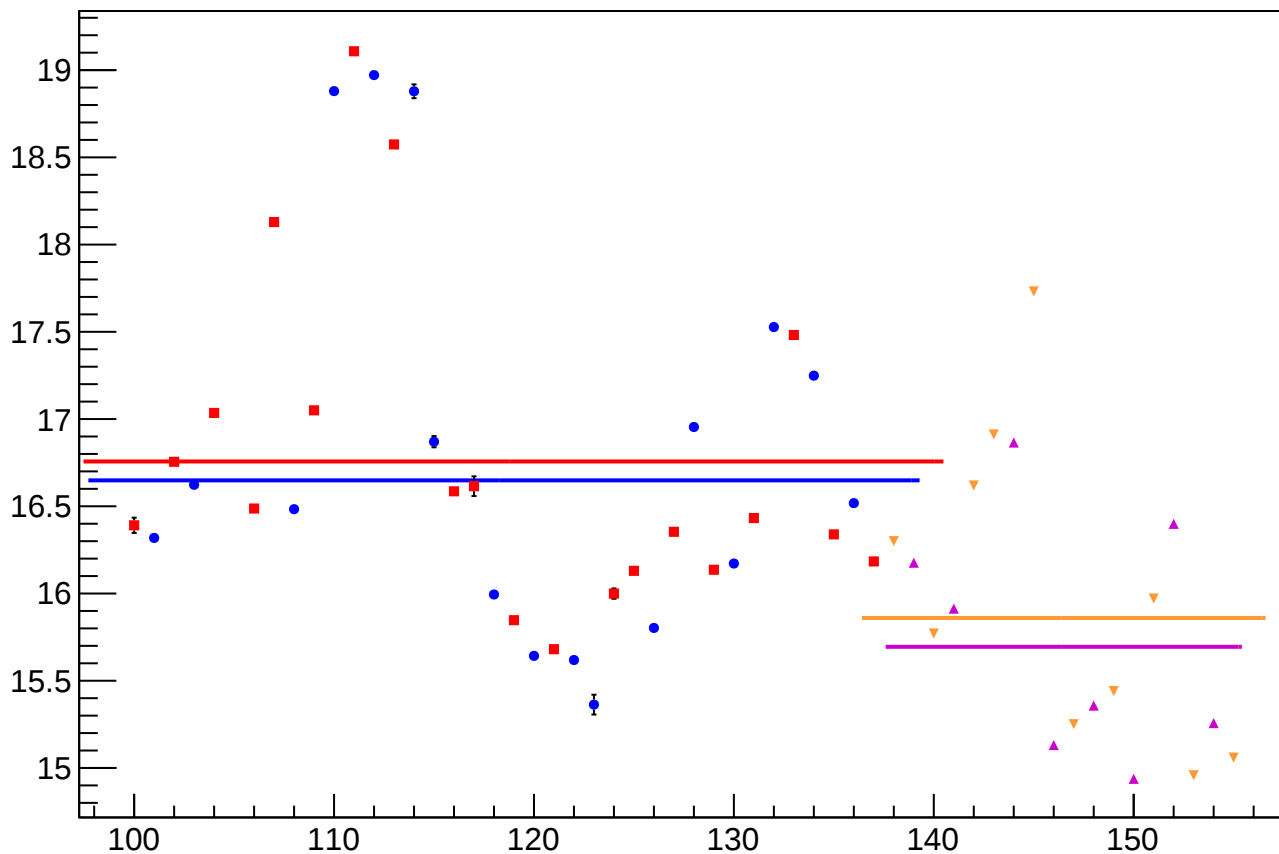
Right Out: -2.259 $\pm$ 6.259 χ^2 /NDF: 19.6/19

Left In: 0.473 $\pm$ 6.147 χ^2 /NDF: 10.7/7

1.160 $\pm$ 4.327 χ^2 /NDF: 11.7/26

-0.868 $\pm$ 4.386 χ^2 /NDF: 30.4/27

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

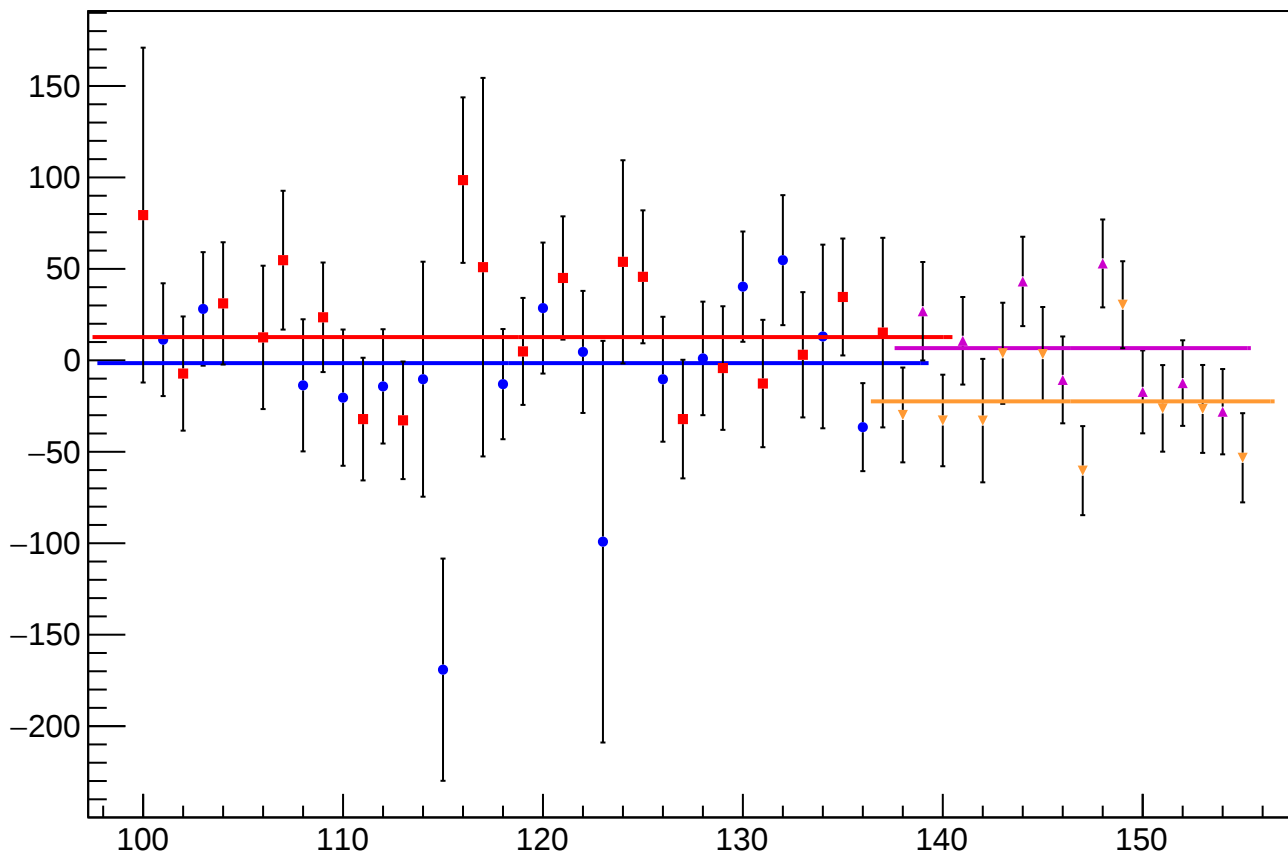
Right Out: 16.757 $\pm$ 0.004 χ^2 /NDF: 39957.1/19

Left In: 15.694 $\pm$ 0.004 χ^2 /NDF: 21656.6/7

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

16.216 $\pm$ 0.003 χ^2 /NDF: 90938.5/27

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.523 ± 8.485 χ^2/NDF : 17.6/16

Left Out: -22.425 ± 8.049 χ^2/NDF : 11.3/9

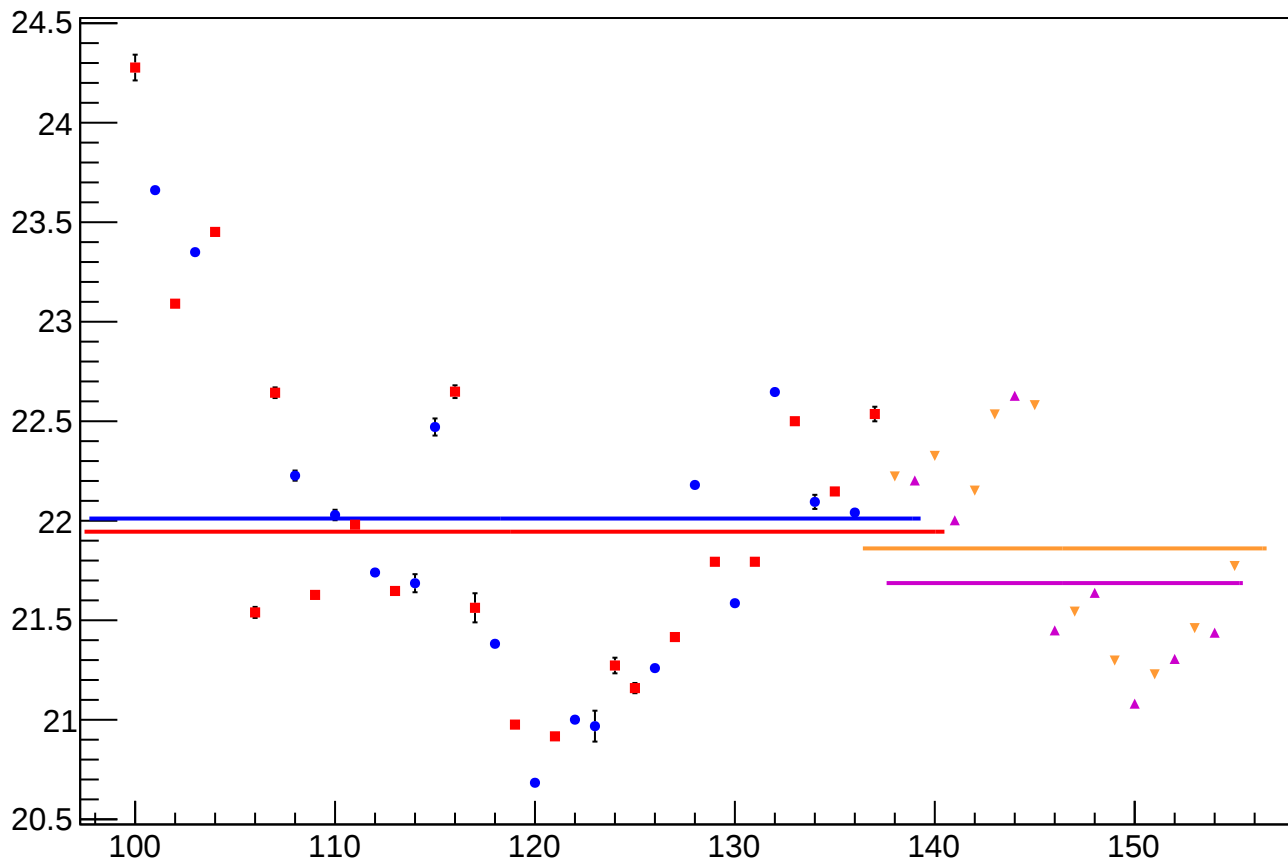
Right Out: 12.716 ± 8.185 χ^2/NDF : 15.7/19

Left In: 6.677 ± 8.477 χ^2/NDF : 11.1/7

-12.525 ± 5.840 χ^2/NDF : 32.1/26

9.803 ± 5.888 χ^2/NDF : 27.1/27

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 22.011+/-0.006 χ^2/NDF : 17546.9/16

Left Out: 21.861+/-0.006 χ^2/NDF : 7450.6/9

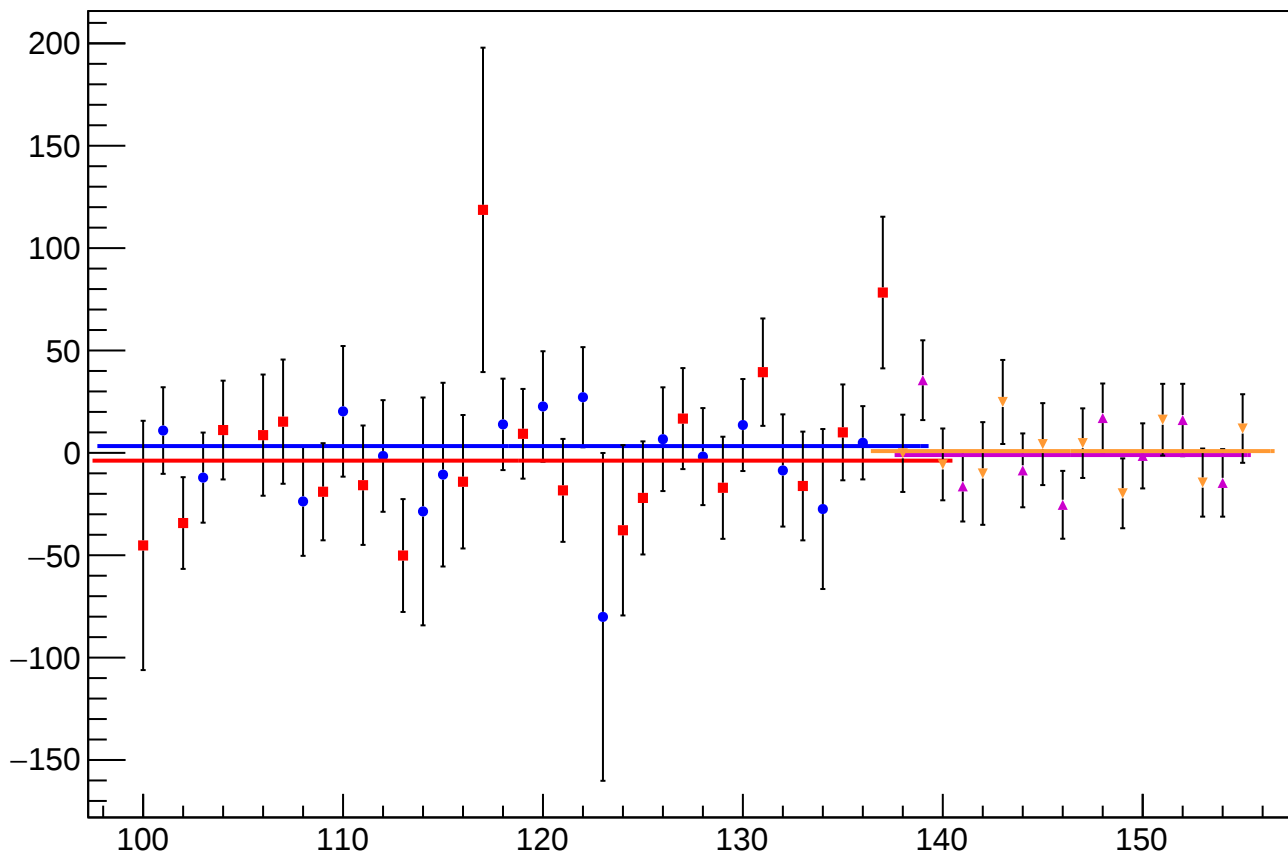
Right Out: 21.945+/-0.006 χ^2/NDF : 16620.2/19

Left In: 21.687+/-0.006 χ^2/NDF : 6444.2/7

21.932+/-0.004 χ^2/NDF : 25327.2/26

21.821+/-0.004 χ^2/NDF : 24024.6/27

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

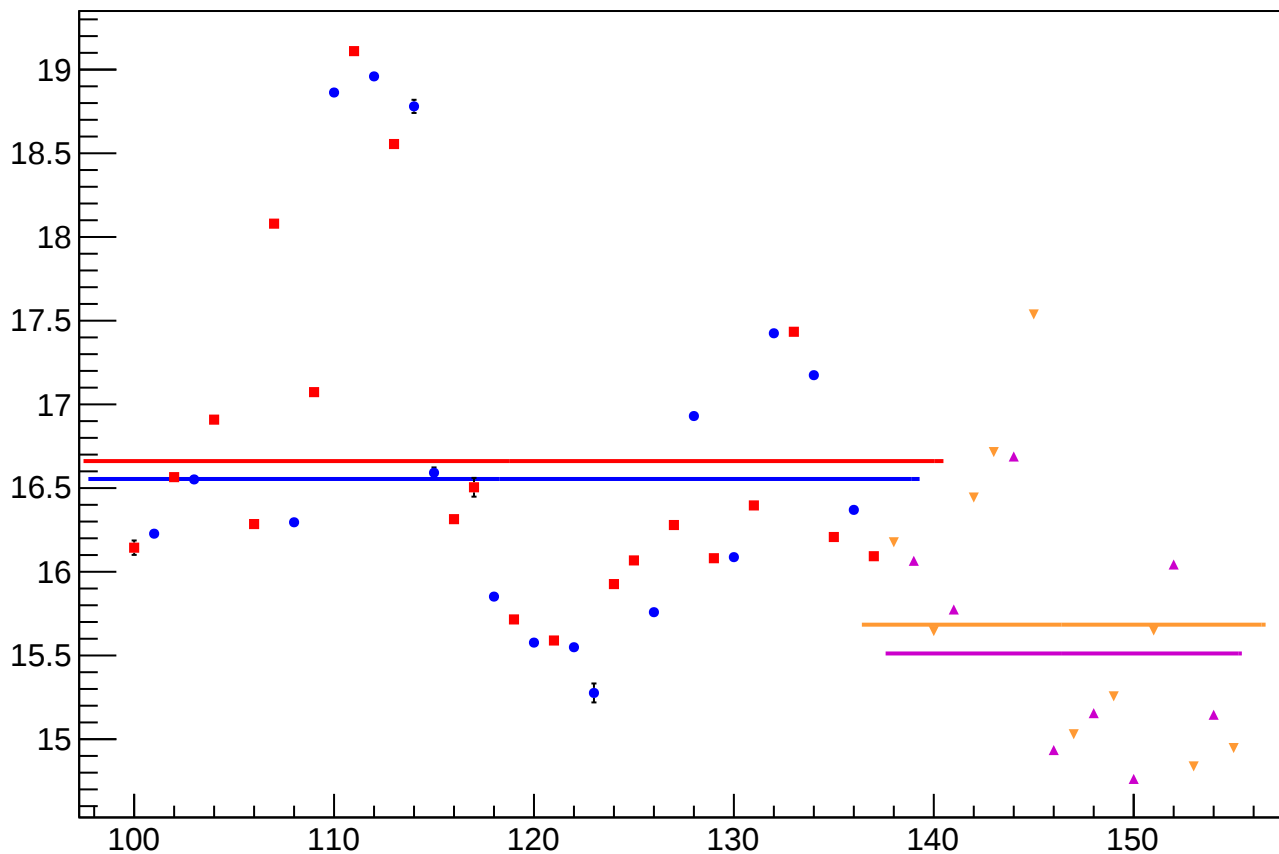
Right Out: -3.800 ± 6.224 χ^2/NDF : 20.1/19

Left In: -1.070 ± 6.075 χ^2/NDF : 9.4/7

1.971 ± 4.289 χ^2/NDF : 11.6/26

-2.402 ± 4.347 χ^2/NDF : 29.6/27

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

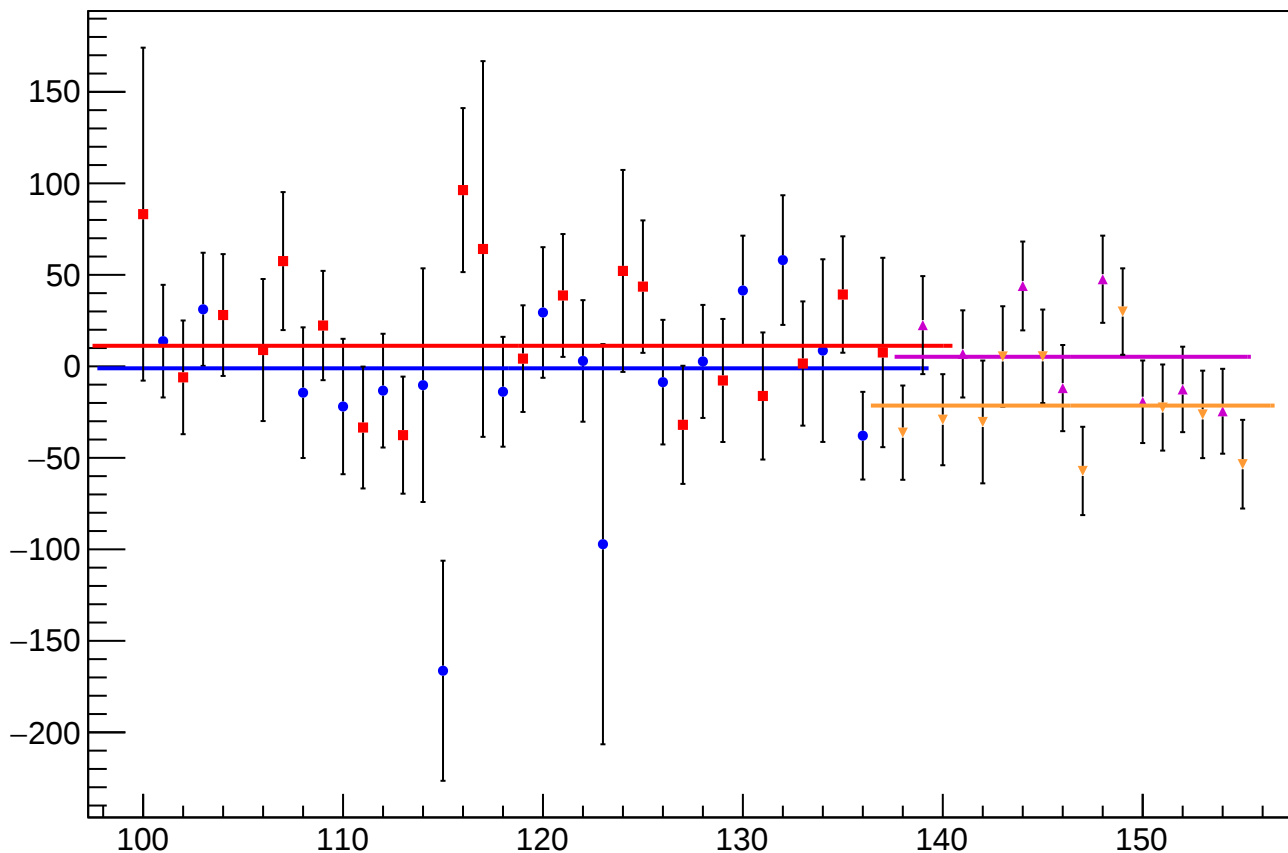
Right Out: 16.661+/-0.004 χ^2/NDF : 43071.4/19

Left In: 15.512+/-0.004 χ^2/NDF : 21152.9/7

16.076+/-0.003 χ^2/NDF : 103557.7/26

16.073+/-0.003 χ^2/NDF : 99148.7/27

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

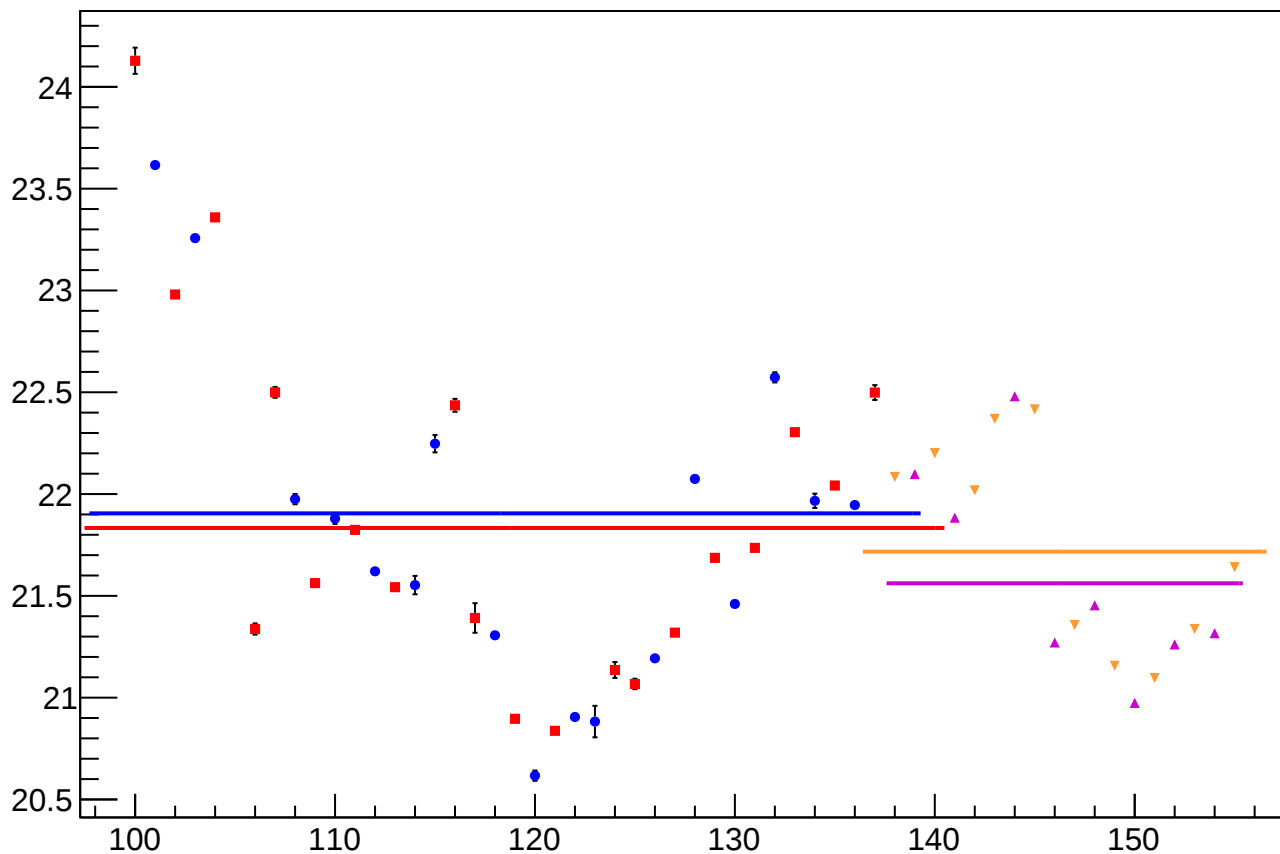
Right Out: 11.235 ± 8.143 χ^2/NDF : 16.5/19

Left In: 5.226 ± 8.428 χ^2/NDF : 10.1/7

-11.808 ± 5.806 χ^2/NDF : 32.8/26

8.334 ± 5.856 χ^2/NDF : 26.8/27

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



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

Left Out: 21.717 $\pm$ 0.006 χ^2 /NDF: 7439.7/9

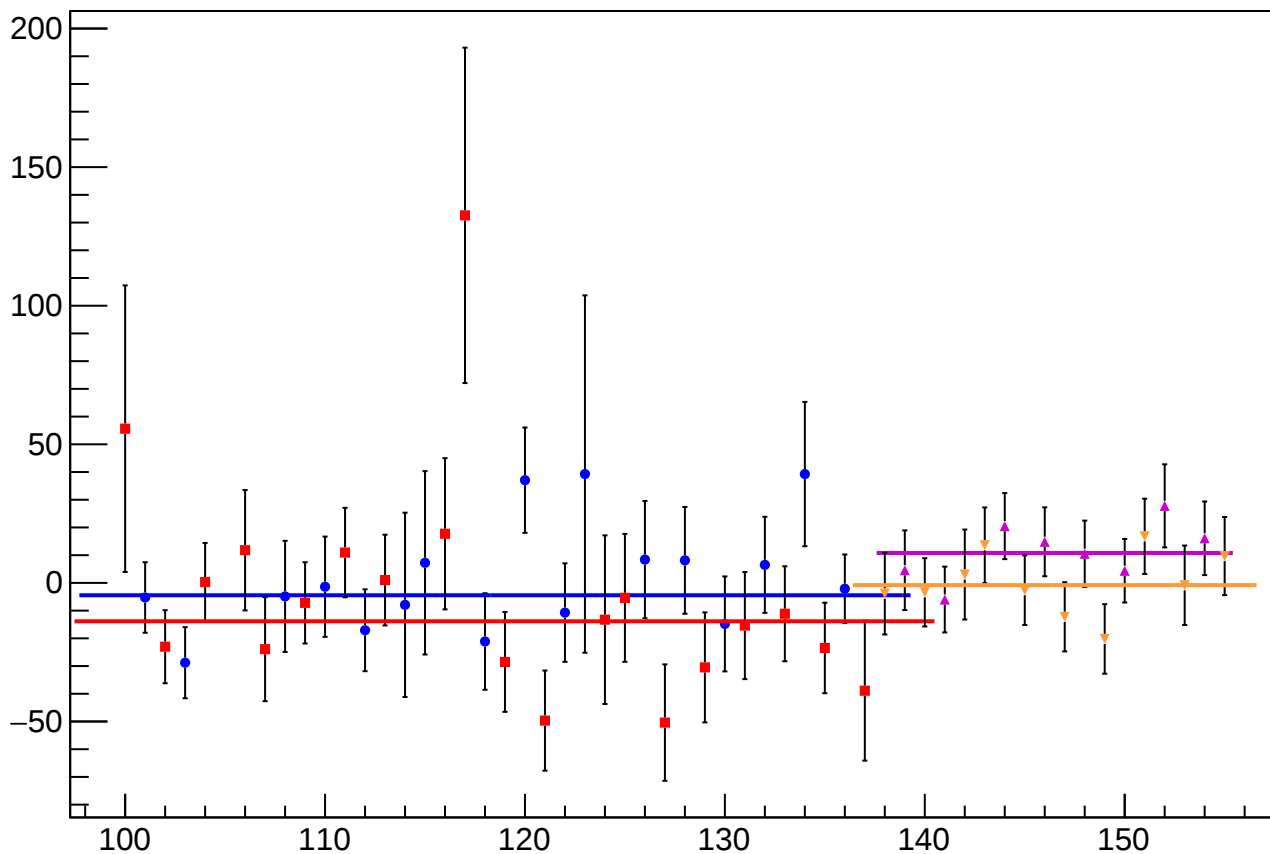
Right Out: 21.833 $\pm$ 0.006 χ^2 /NDF: 16288.5/19

Left In: 21.562 $\pm$ 0.006 χ^2 /NDF: 6290.2/7

21.806 $\pm$ 0.004 χ^2 /NDF: 25757.1/26

21.702 $\pm$ 0.004 χ^2 /NDF: 23653.4/27

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



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

Left Out: -0.804 ± 4.272 χ^2/NDF : 6.7/9

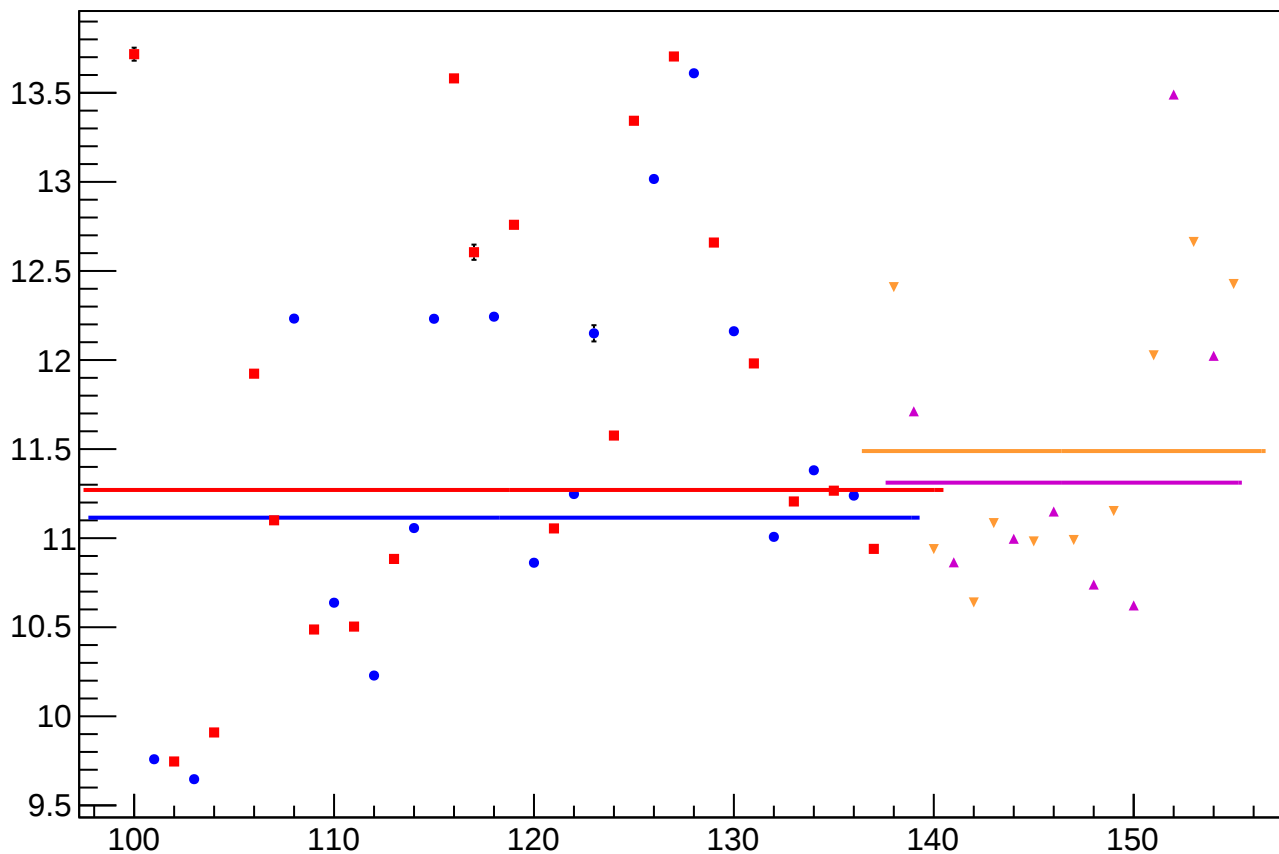
Right Out: -13.851 ± 4.253 χ^2/NDF : 25.4/19

Left In: 10.794 ± 4.465 χ^2/NDF : 4.7/7

-2.608 ± 3.041 χ^2/NDF : 22.3/26

-2.126 ± 3.080 χ^2/NDF : 46.1/27

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



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

Left Out: 11.489+/-0.003 χ^2/NDF : 52332.9/9

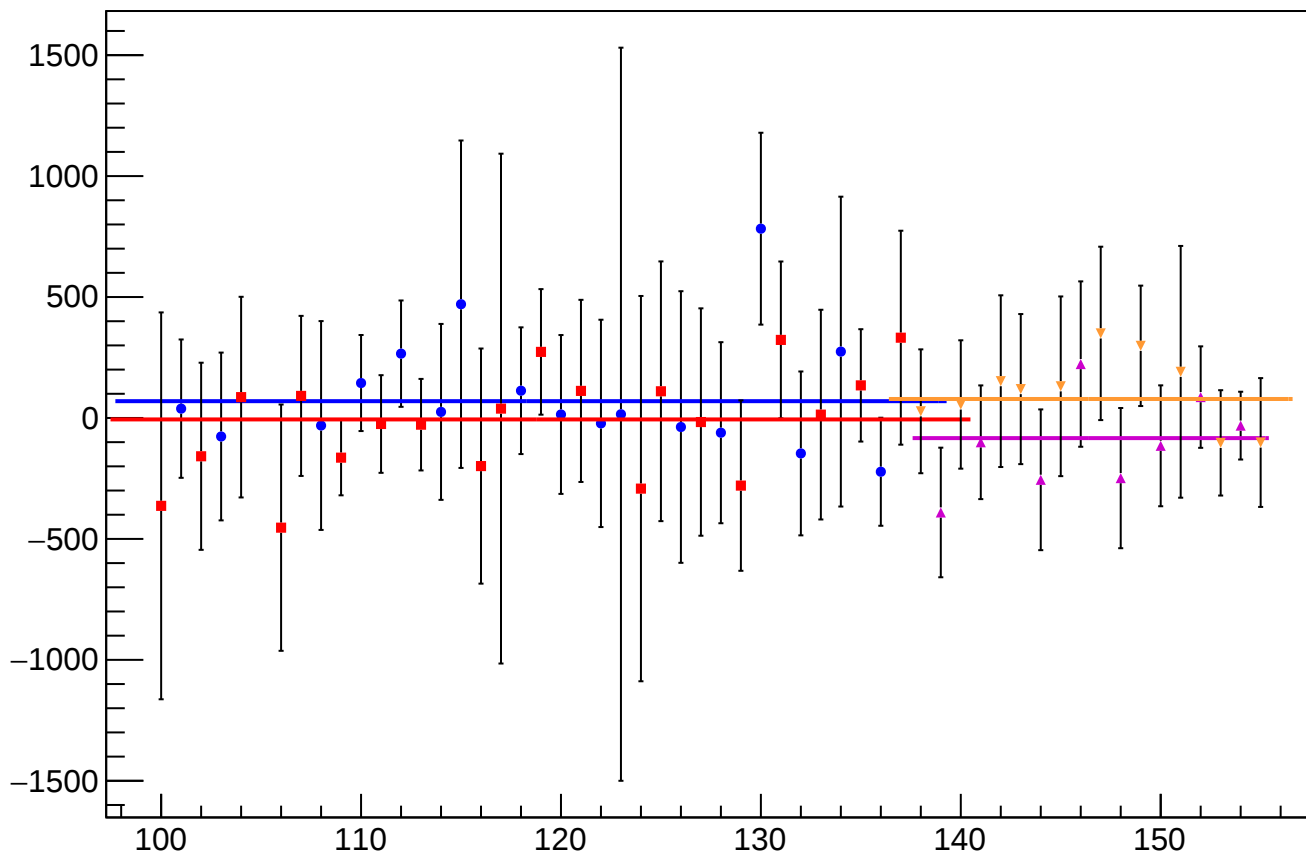
Right Out: 11.271+/-0.003 χ^2/NDF : 148461.6/19

Left In: 11.312+/-0.003 χ^2/NDF : 65915.5/7

11.304+/-0.002 χ^2/NDF : 192951.9/26

11.290+/-0.002 χ^2/NDF : 214465.6/27

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

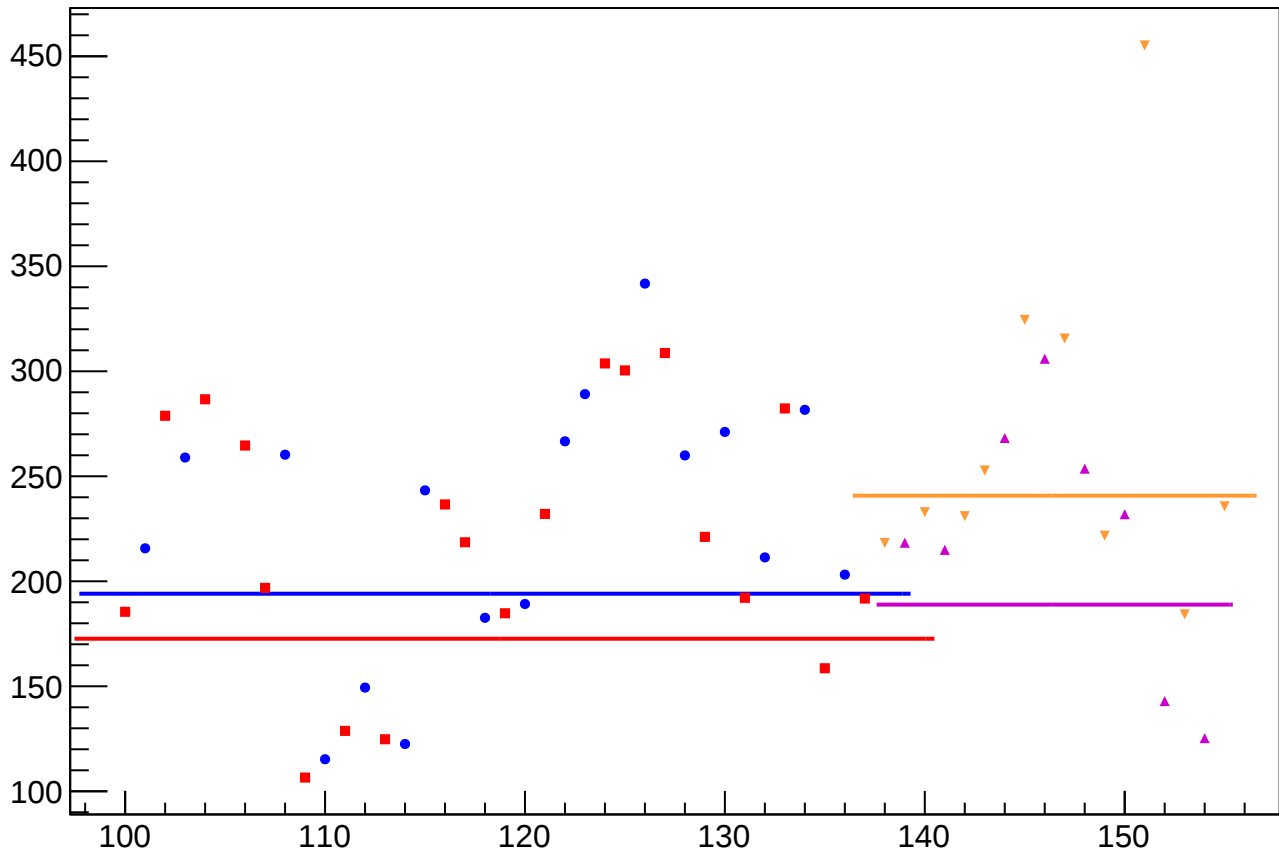
Right Out: -5.996+/-70.027 χ^2/NDF : 6.5/19

Left In: -83.274+/-80.590 χ^2/NDF : 3.6/7

73.310+/-60.070 χ^2/NDF : 9.9/26

-39.242+/-52.859 χ^2/NDF : 10.6/27

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



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

Left Out: 240.776 $\pm$ 0.065 χ^2 /NDF: 697116.0/9

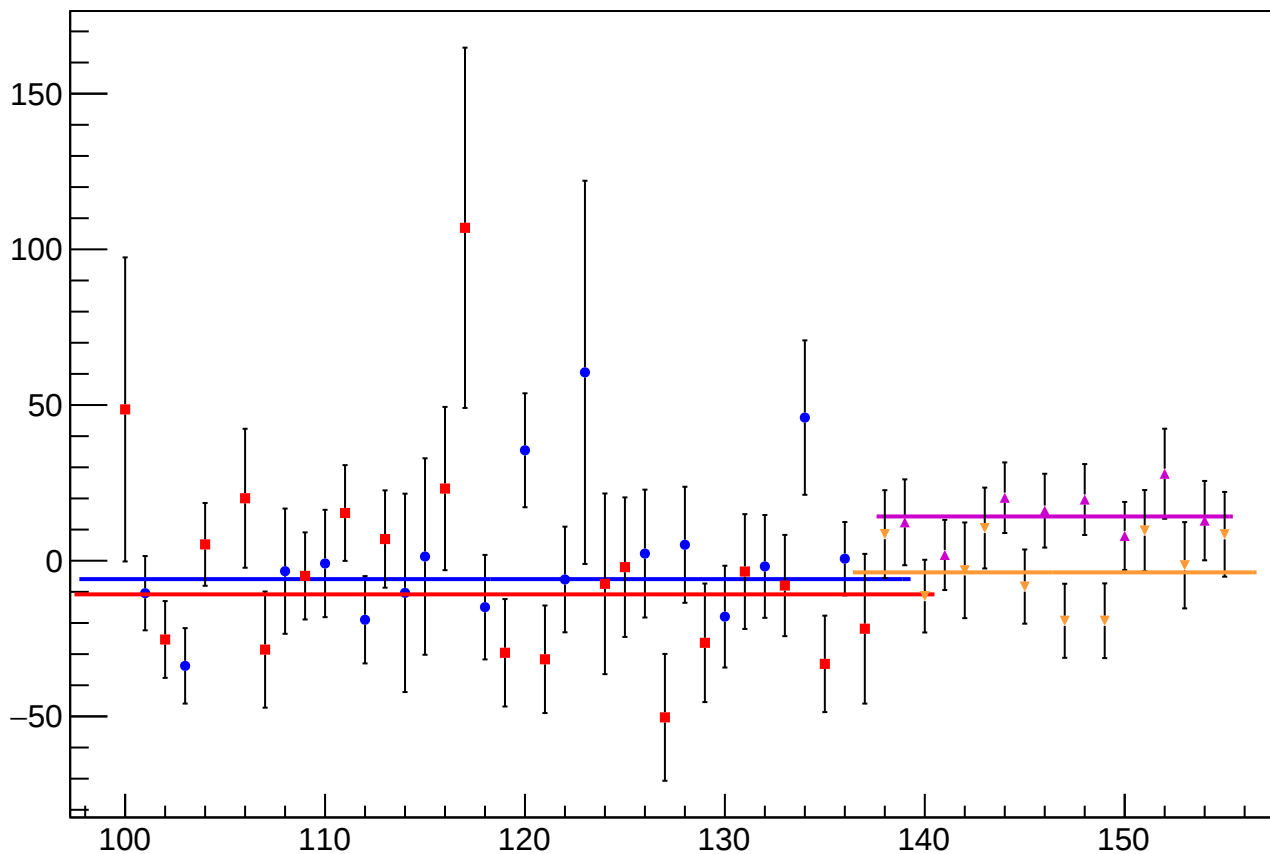
213.936 $\pm$ 0.042 χ^2 /NDF: 1997881.6/26

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

179.641 $\pm$ 0.037 χ^2 /NDF: 2718698.5/27

Left In: 188.892 $\pm$ 0.057 χ^2 /NDF: 1099165.8/7

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



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

Left Out: -3.744 ± 4.079 $\chi^2/\text{NDF}: 7.8/9$

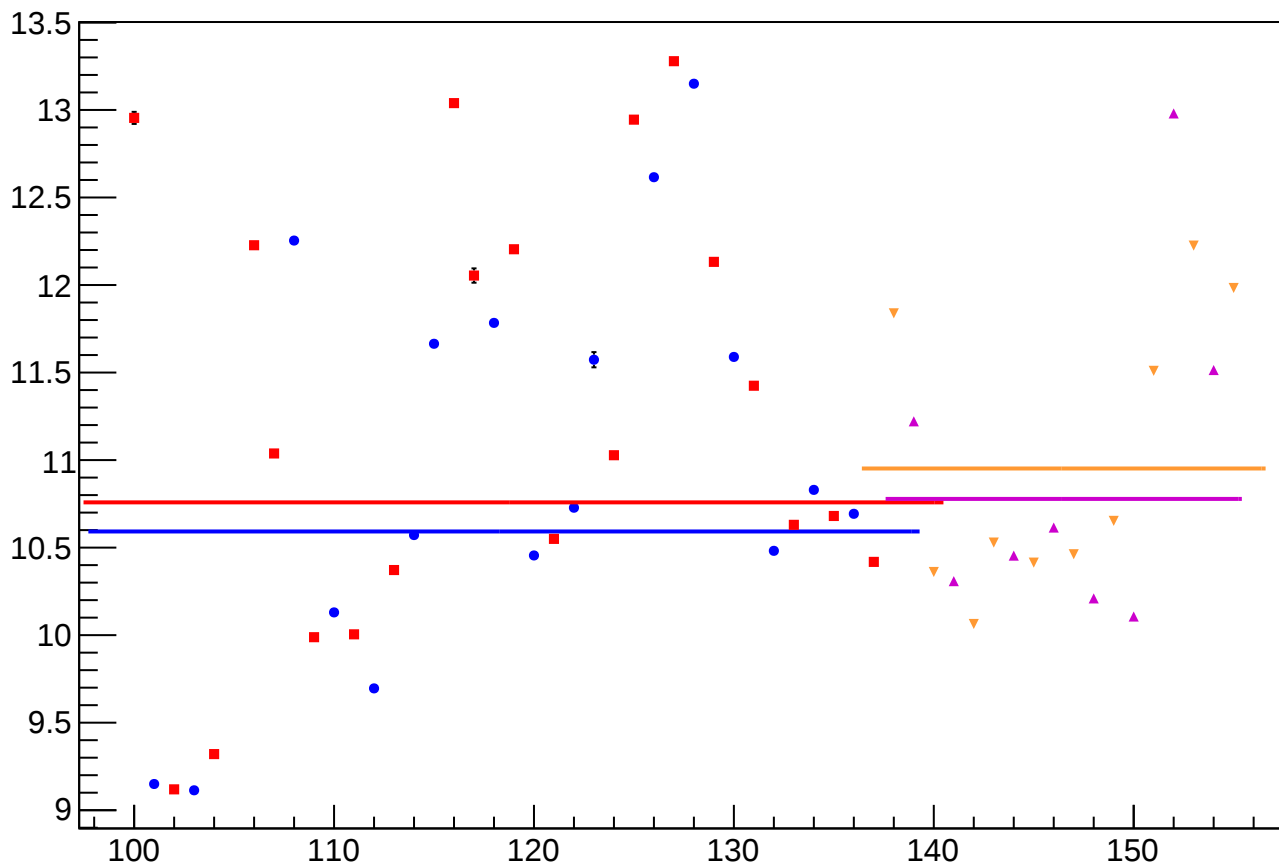
Right Out: -10.806 ± 4.068 $\chi^2/\text{NDF}: 27.0/19$

Left In: 14.211 ± 4.261 $\chi^2/\text{NDF}: 3.0/7$

-4.814 ± 2.903 $\chi^2/\text{NDF}: 26.8/26$

1.124 ± 2.943 $\chi^2/\text{NDF}: 48.1/27$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



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

Left Out: 10.952 $\pm$ 0.003 χ^2 /NDF: 62572.0/9

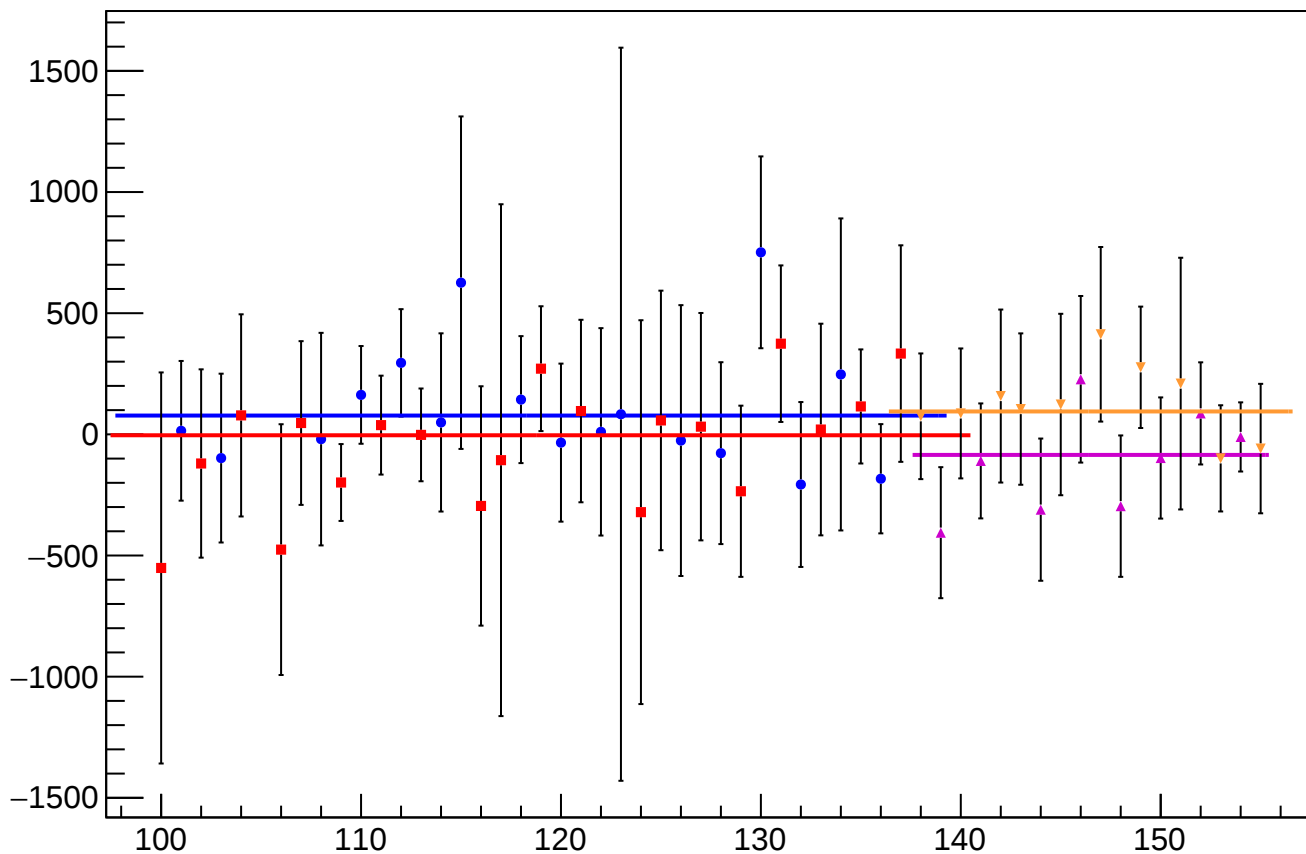
Right Out: 10.758 $\pm$ 0.003 χ^2 /NDF: 177903.3/19

Left In: 10.778 $\pm$ 0.003 χ^2 /NDF: 73193.1/7

10.774 $\pm$ 0.002 χ^2 /NDF: 230643.5/26

10.768 $\pm$ 0.002 χ^2 /NDF: 251118.9/27

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

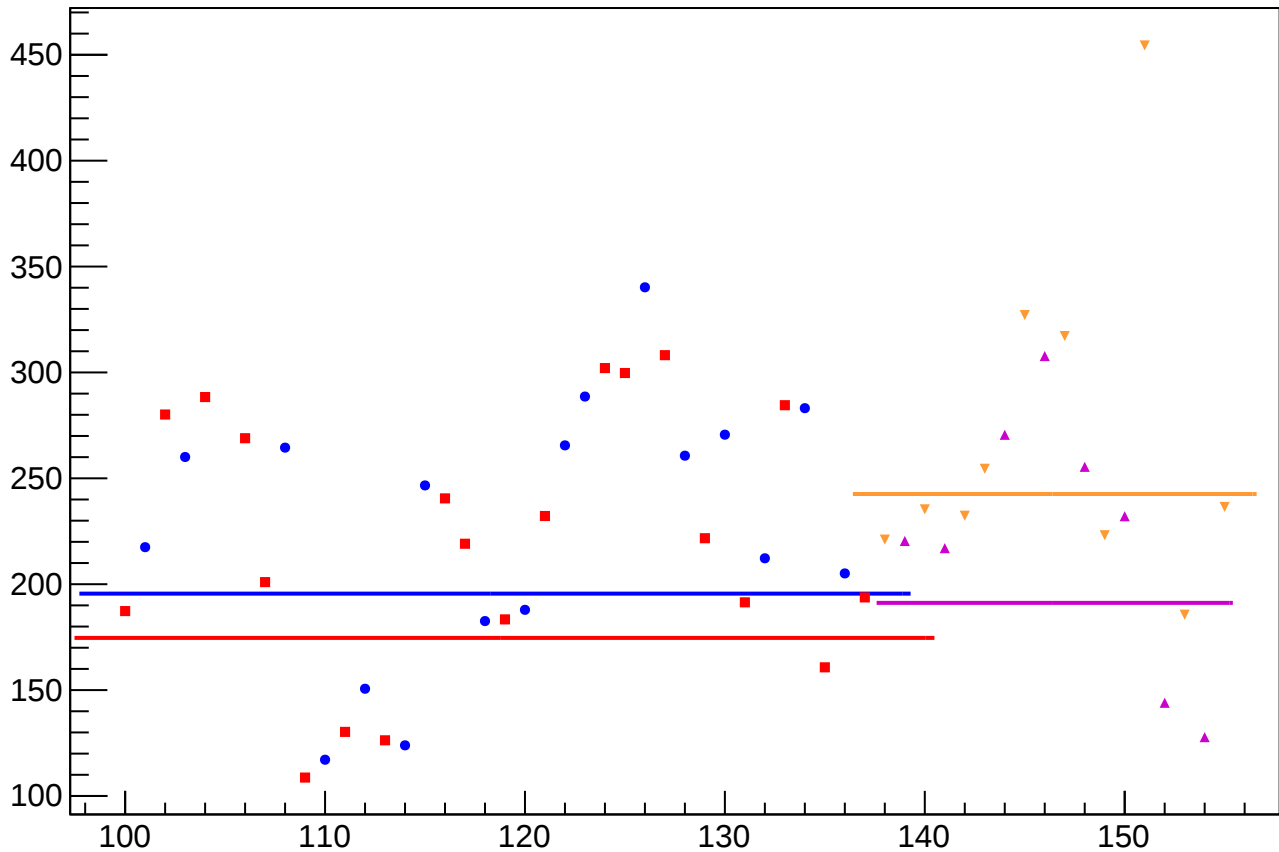
Right Out: -3.768 $\pm$ 70.696 χ^2/NDF : 7.4/19

Left In: -84.835 $\pm$ 81.411 χ^2/NDF : 4.3/7

84.787 $\pm$ 60.475 χ^2/NDF : 10.1/26

-38.619 $\pm$ 53.379 χ^2/NDF : 12.2/27

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

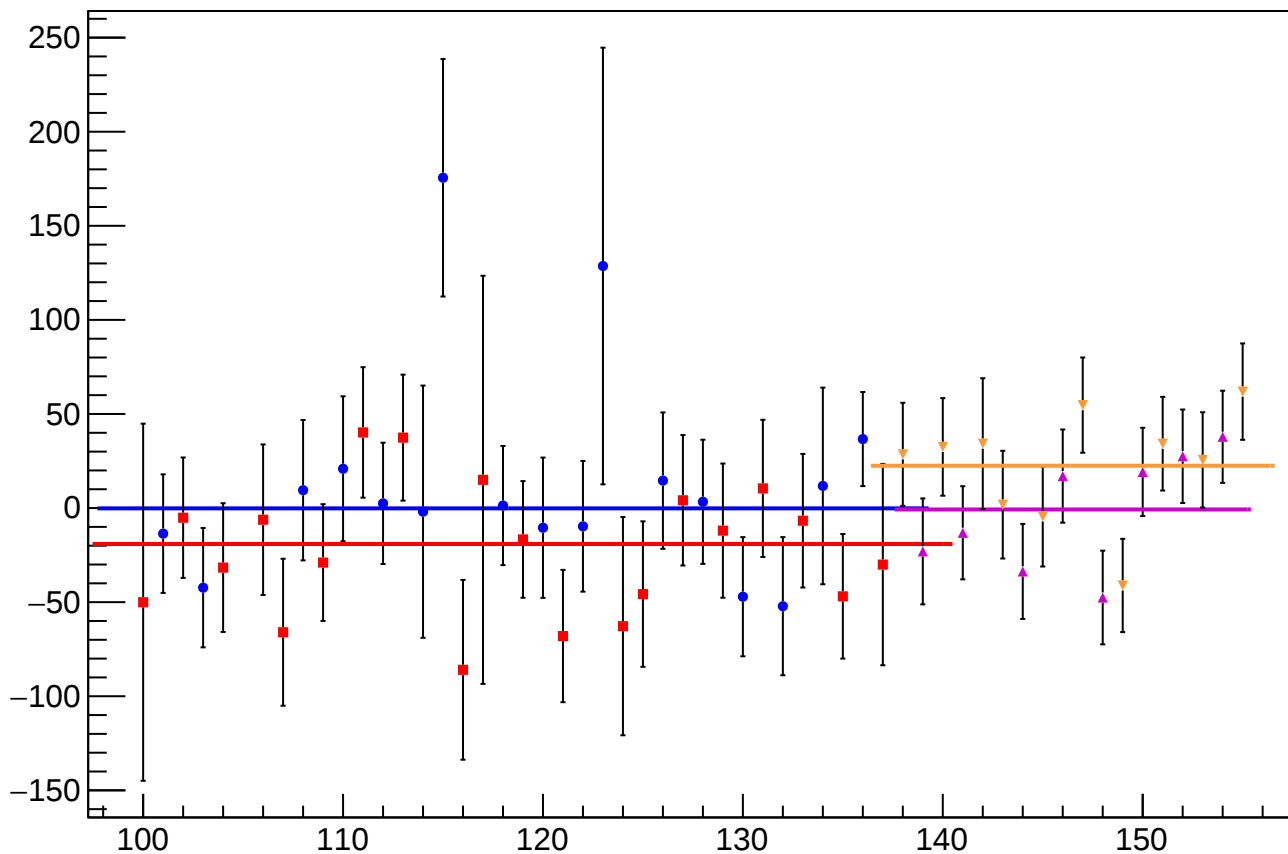
215.546+/-0.043 χ^2/NDF : 1964261.4/26

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

181.759+/-0.038 χ^2/NDF : 2648183.2/27

Left In: 191.188+/-0.058 χ^2/NDF : 1068936.9/7

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -0.158 ± 8.826 χ^2/NDF : 18.1/16

Left Out: 22.491 ± 8.401 χ^2/NDF : 12.7/9

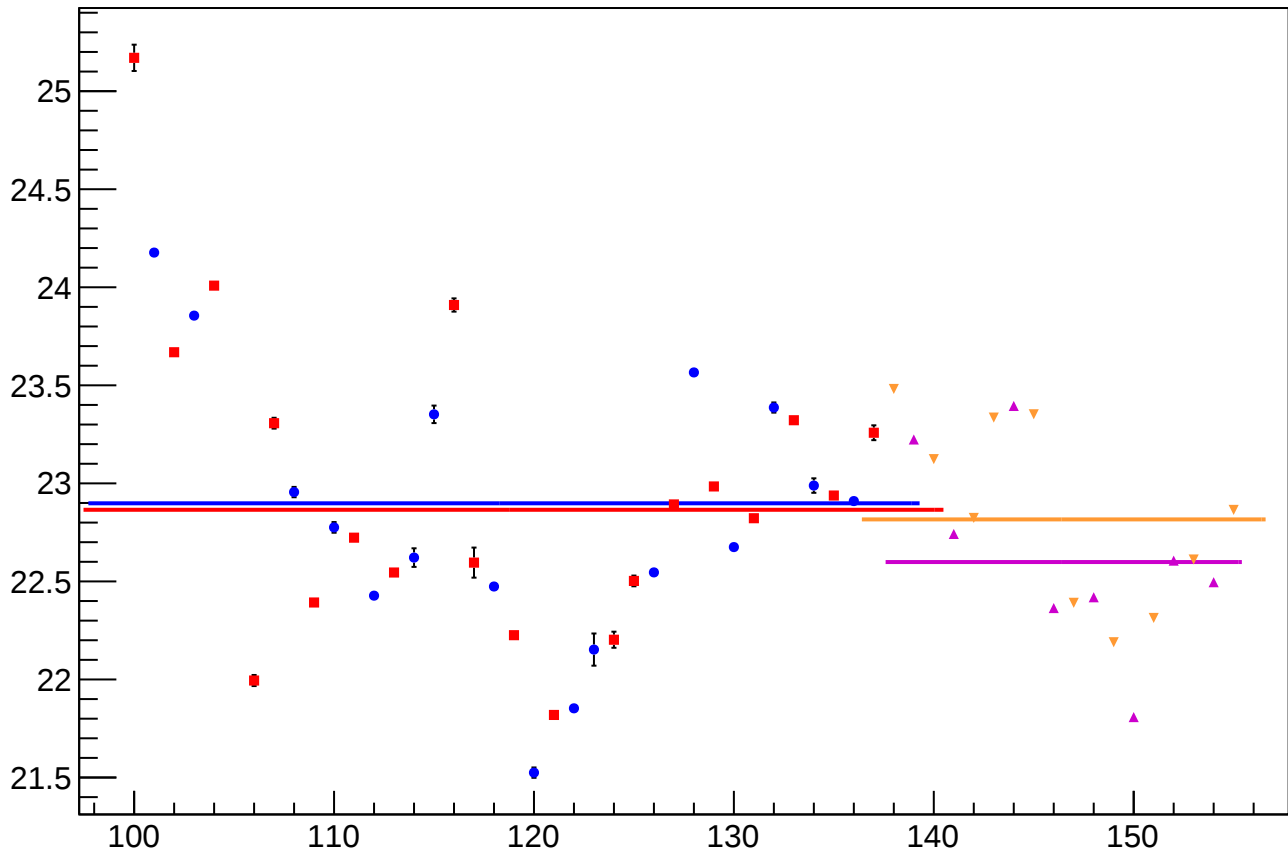
Right Out: -19.104 ± 8.527 χ^2/NDF : 14.9/19

Left In: -0.735 ± 8.834 χ^2/NDF : 11.1/7

11.725 ± 6.085 χ^2/NDF : 34.2/26

-10.244 ± 6.135 χ^2/NDF : 28.3/27

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

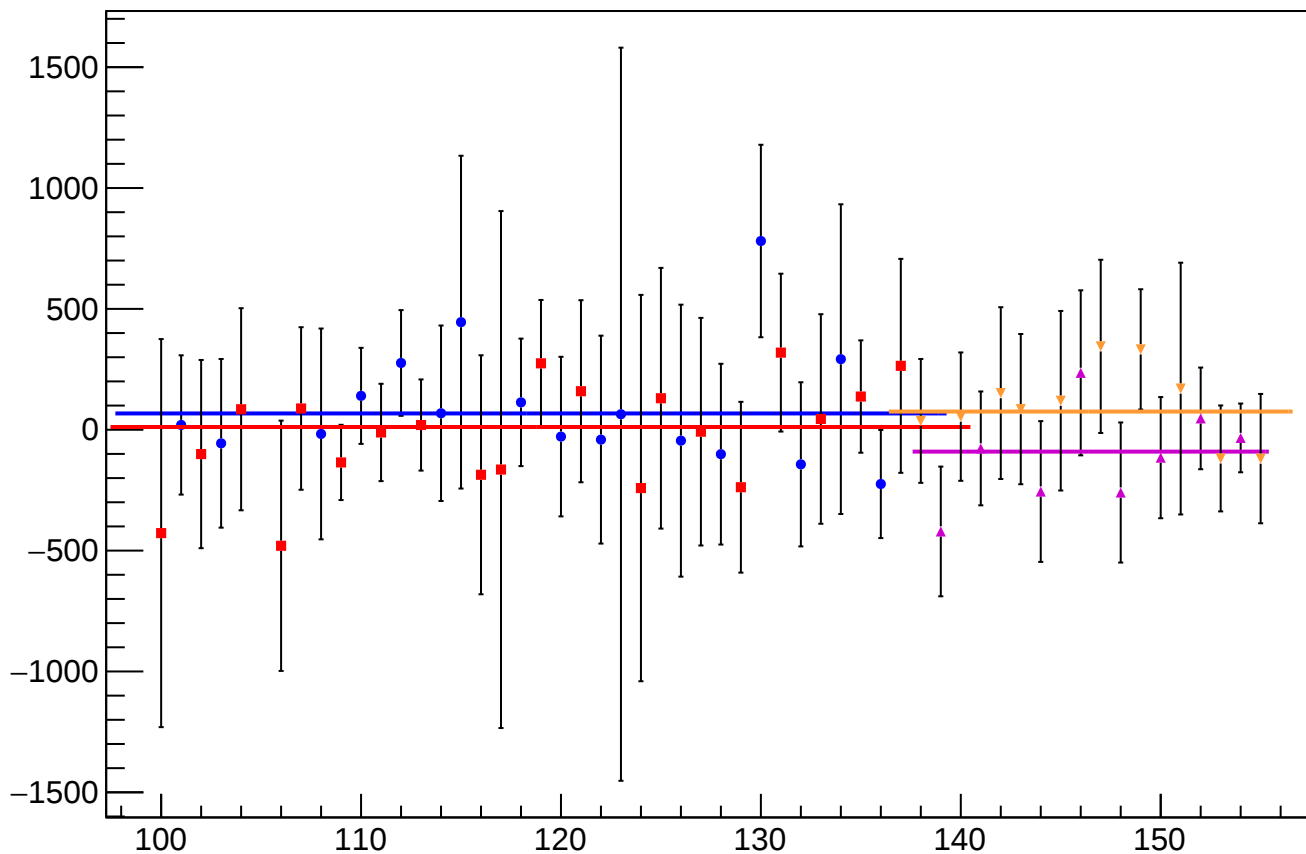
Right Out: 22.865 $\pm$ 0.006 χ^2 /NDF: 11060.8/19

Left In: 22.599 $\pm$ 0.006 χ^2 /NDF: 5631.5/7

22.855 $\pm$ 0.004 χ^2 /NDF: 17960.3/26

22.737 $\pm$ 0.004 χ^2 /NDF: 17634.7/27

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

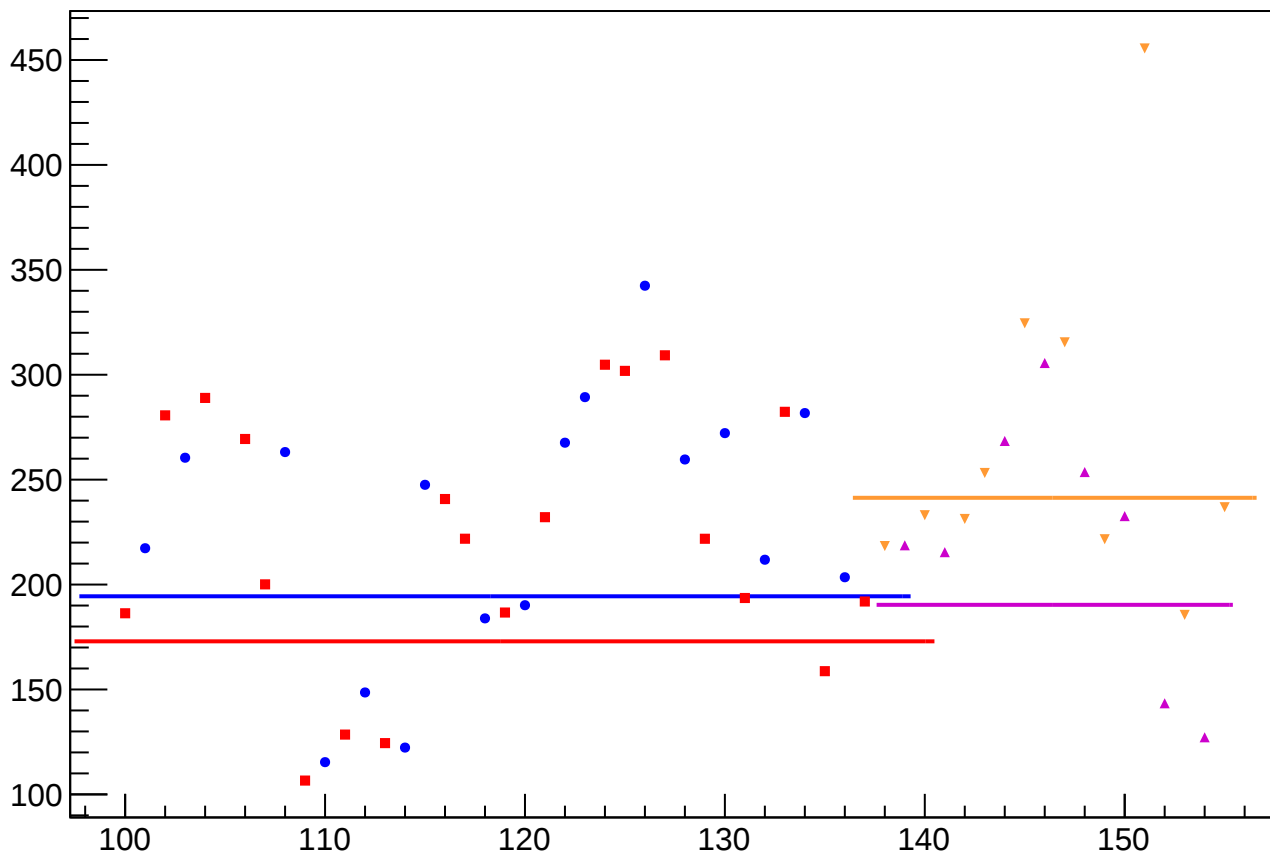
Right Out: 11.355 $\pm$ 70.203 χ^2/NDF : 5.8/19

Left In: -90.486 $\pm$ 81.059 χ^2/NDF : 3.7/7

70.753 $\pm$ 60.196 χ^2/NDF : 10.5/26

-32.294 $\pm$ 53.067 χ^2/NDF : 10.4/27

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.411 $\pm$ 0.056 χ^2 /NDF: 1019913.2/16

Left Out: 241.349 $\pm$ 0.065 χ^2 /NDF:689435.5/9

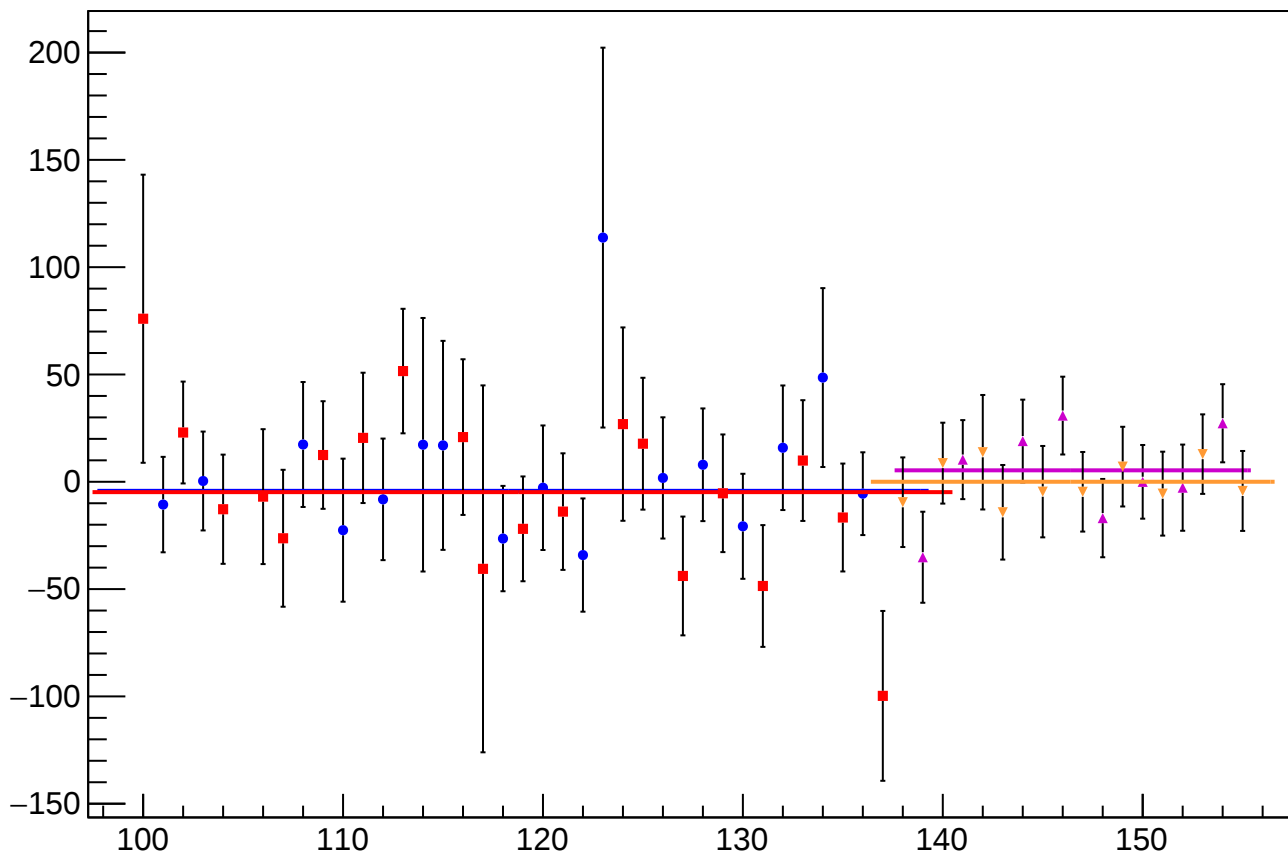
Right Out: 172.942 $\pm$ 0.050 χ^2 /NDF: 1600959.1/19

Left In: 190.338 $\pm$ 0.057 χ^2 /NDF:1063055.3/7

214.373 $\pm$ 0.043 χ^2 /NDF: 2006576.0/26

180.398 $\pm$ 0.038 χ^2 /NDF: 2716649.5/27

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

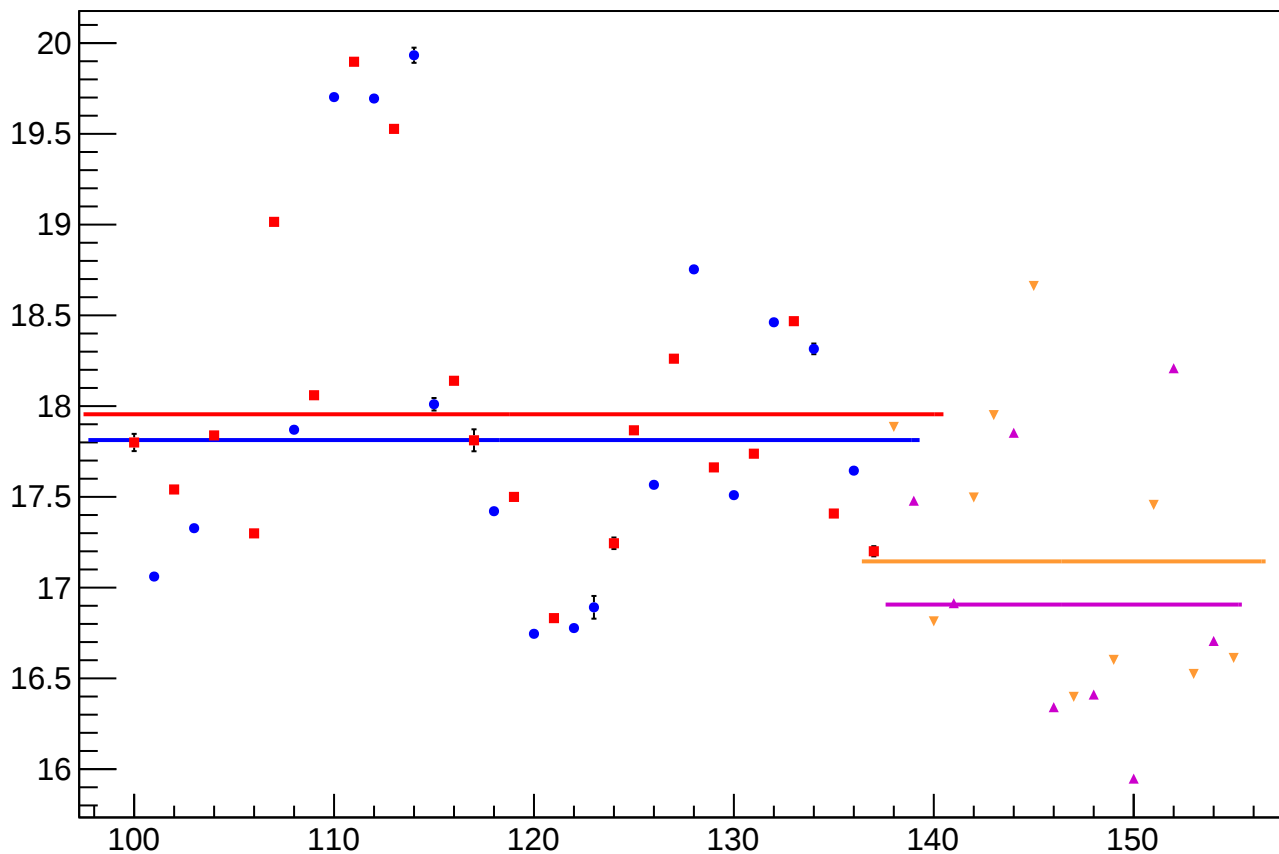
Right Out: -4.820 ± 6.704 χ^2/NDF : 21.3/19

Left In: 5.339 ± 6.623 χ^2/NDF : 9.4/7

-1.930 ± 4.654 χ^2/NDF : 10.2/26

0.321 ± 4.712 χ^2/NDF : 31.8/27

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

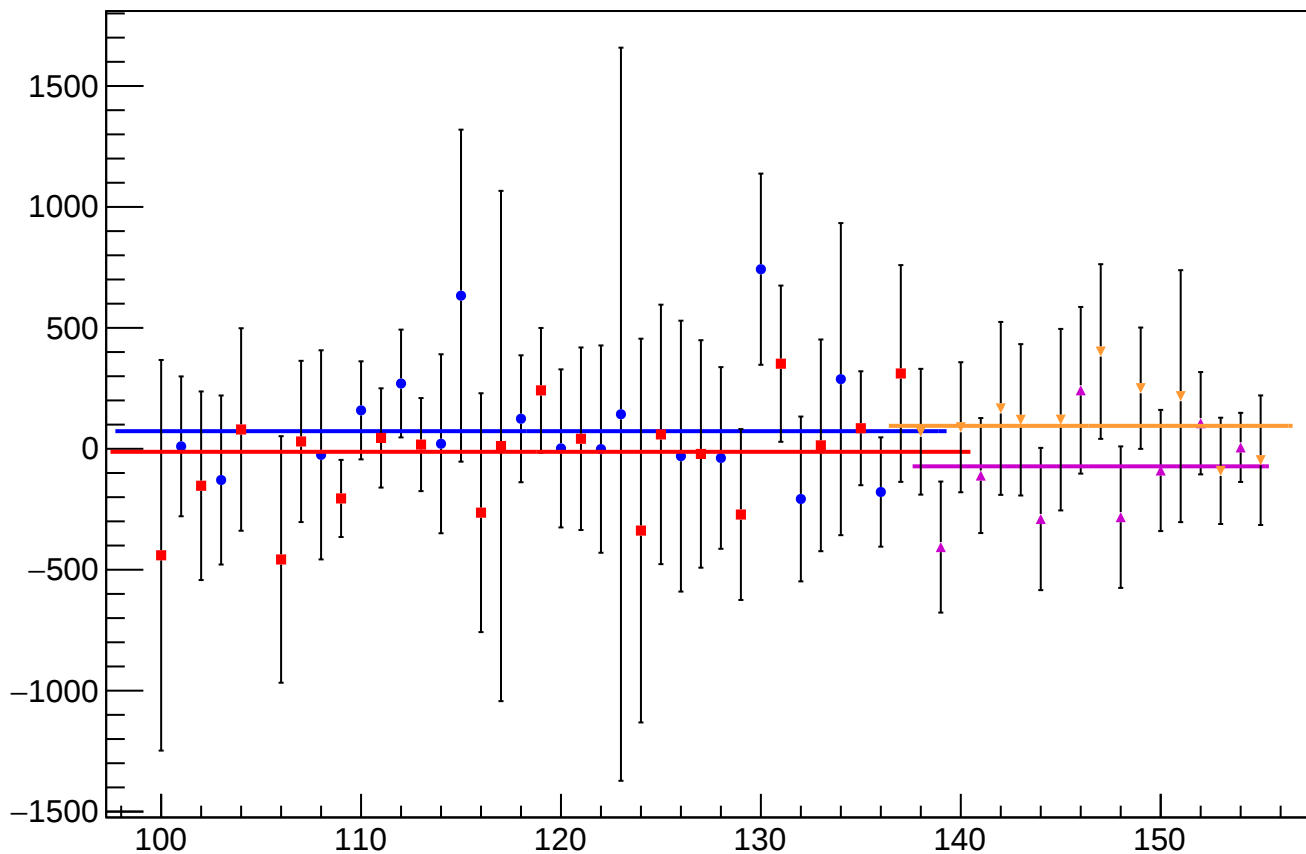
Right Out: 17.955 ± 0.005 χ^2/NDF : 25451.0/19

Left In: 16.907 ± 0.005 χ^2/NDF : 24579.0/7

17.451 ± 0.003 χ^2/NDF : 67918.3/26

17.424 ± 0.003 χ^2/NDF : 74780.7/27

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

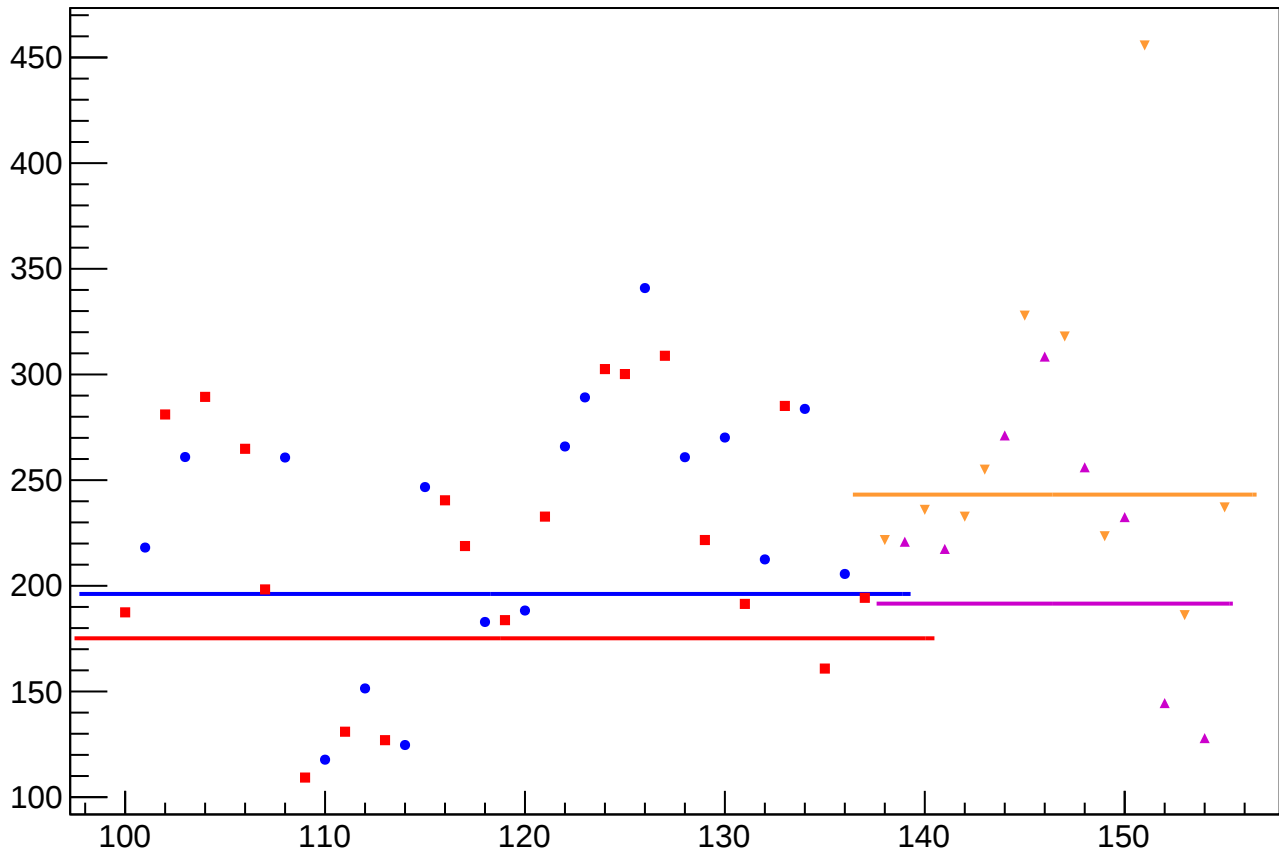
Right Out: -12.456+/-70.853 χ^2/NDF : 6.7/19

Left In: -72.504+/-81.579 χ^2/NDF : 4.5/7

82.273+/-60.621 χ^2/NDF : 9.5/26

-38.275+/-53.494 χ^2/NDF : 11.5/27

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

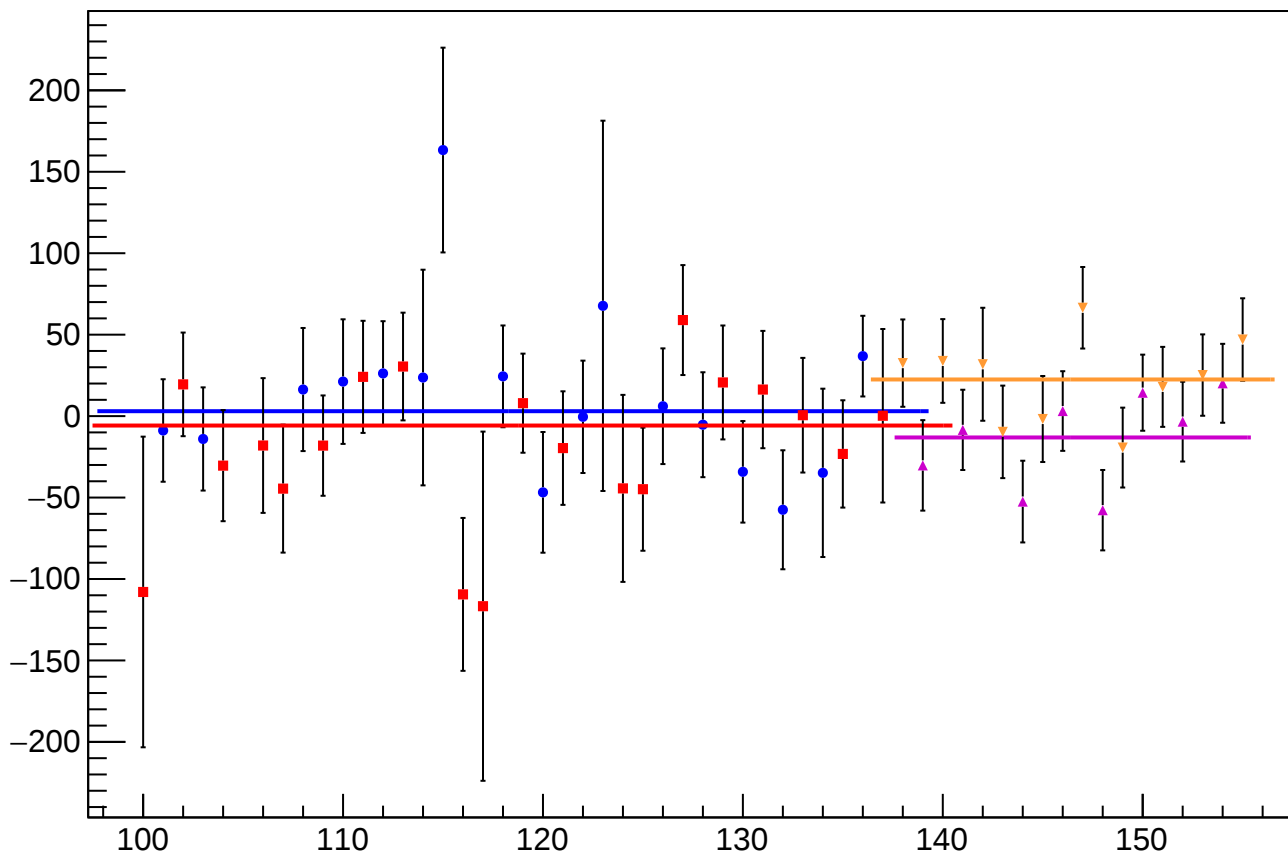
216.132+/-0.043 χ^2/NDF : 1947450.7/26

Right Out: 175.163+/-0.050 χ^2/NDF : 1514398.4/19

182.218+/-0.038 χ^2/NDF : 2630659.6/27

Left In: 191.572+/-0.058 χ^2/NDF : 1070134.7/7

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 $\chi^2/\text{NDF}: 9.5/9$

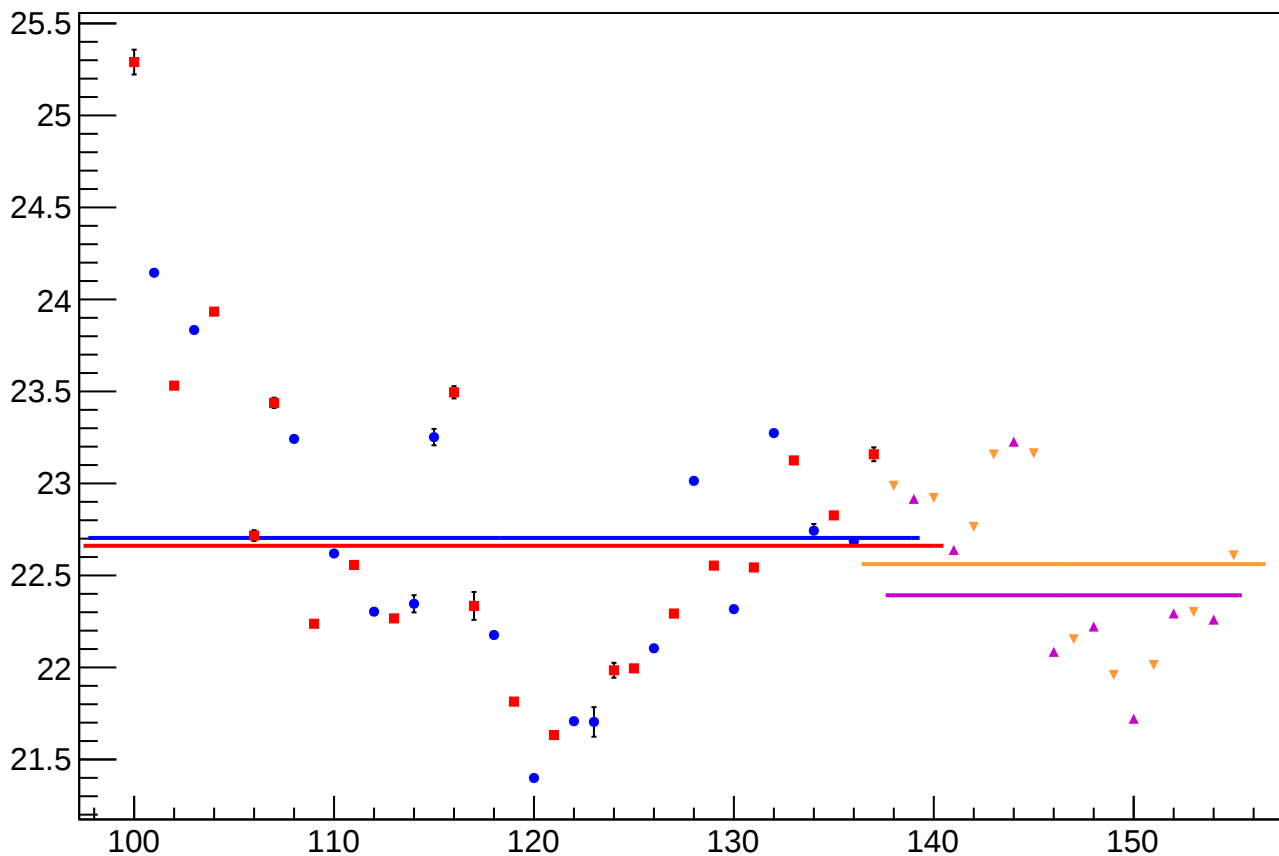
Right Out: -5.786 ± 8.451 $\chi^2/\text{NDF}: 18.3/19$

Left In: -13.108 ± 8.752 $\chi^2/\text{NDF}: 10.0/7$

13.265 ± 6.025 $\chi^2/\text{NDF}: 29.3/26$

-9.319 ± 6.079 $\chi^2/\text{NDF}: 28.6/27$

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

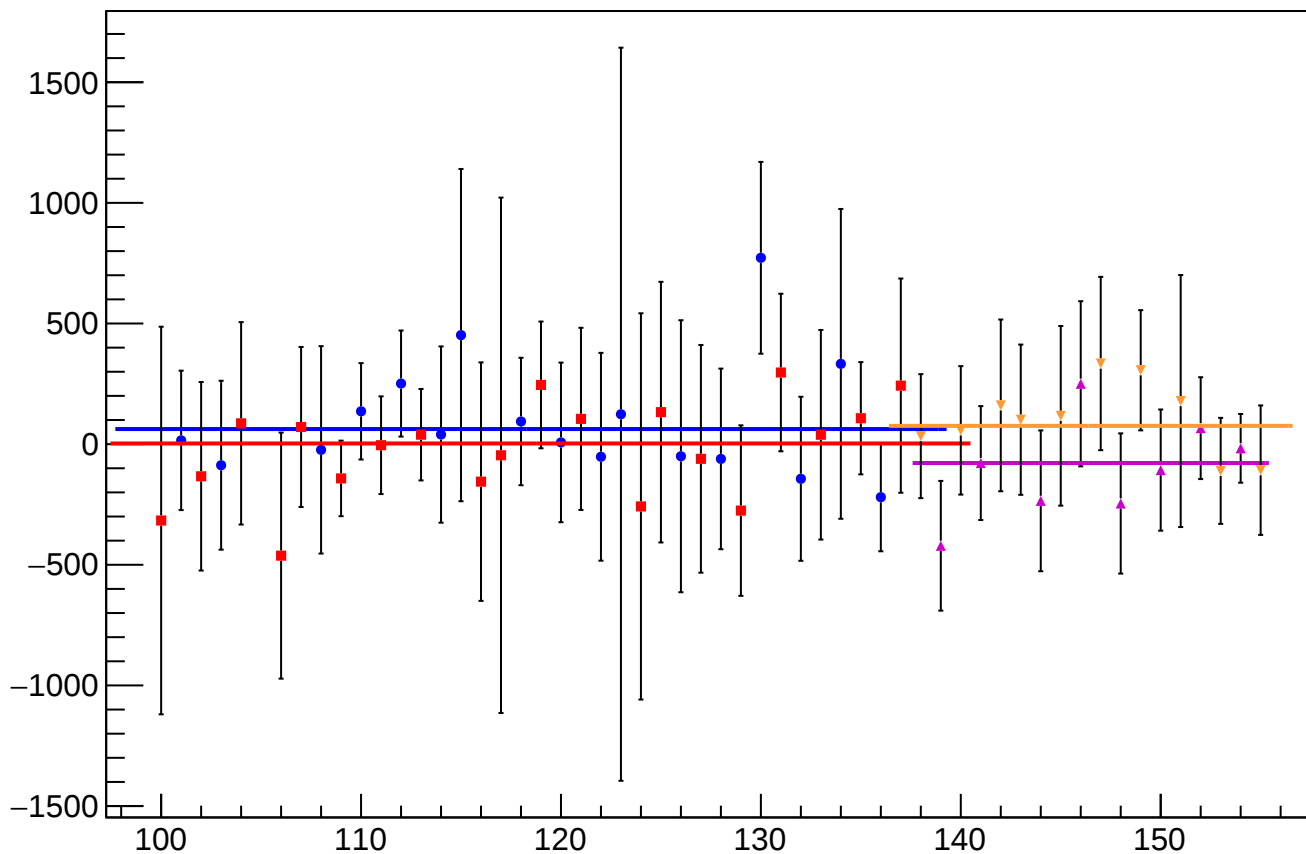
Right Out: 22.661+/-0.006 χ^2/NDF : 12962.1/19

Left In: 22.392+/-0.006 χ^2/NDF : 5279.9/7

22.629+/-0.004 χ^2/NDF : 20227.6/26

22.531+/-0.004 χ^2/NDF : 19219.1/27

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

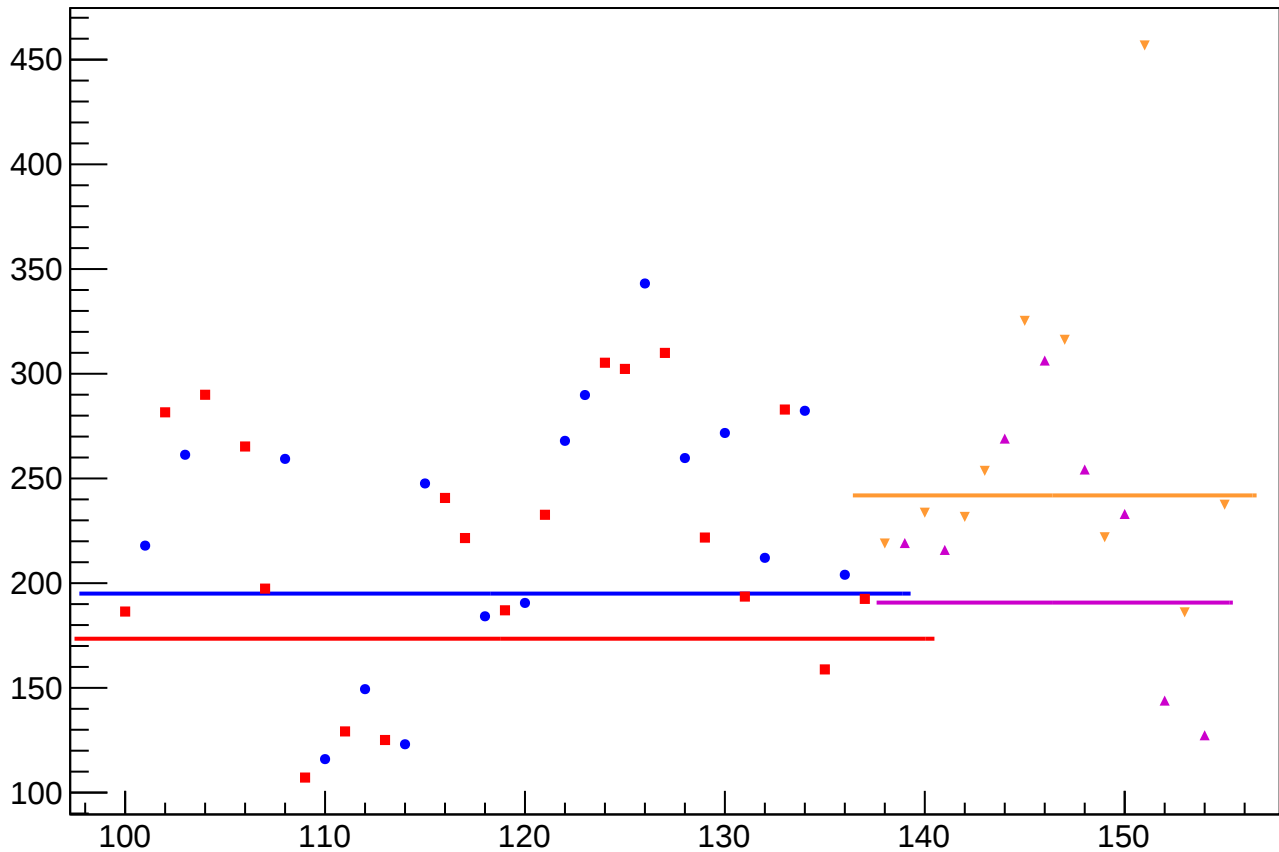
Right Out: 2.824+/-70.364 χ^2/NDF : 5.2/19

Left In: -78.140+/-81.228 χ^2/NDF : 3.8/7

68.192+/-60.342 χ^2/NDF : 9.7/26

-31.885+/-53.184 χ^2/NDF : 9.6/27

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

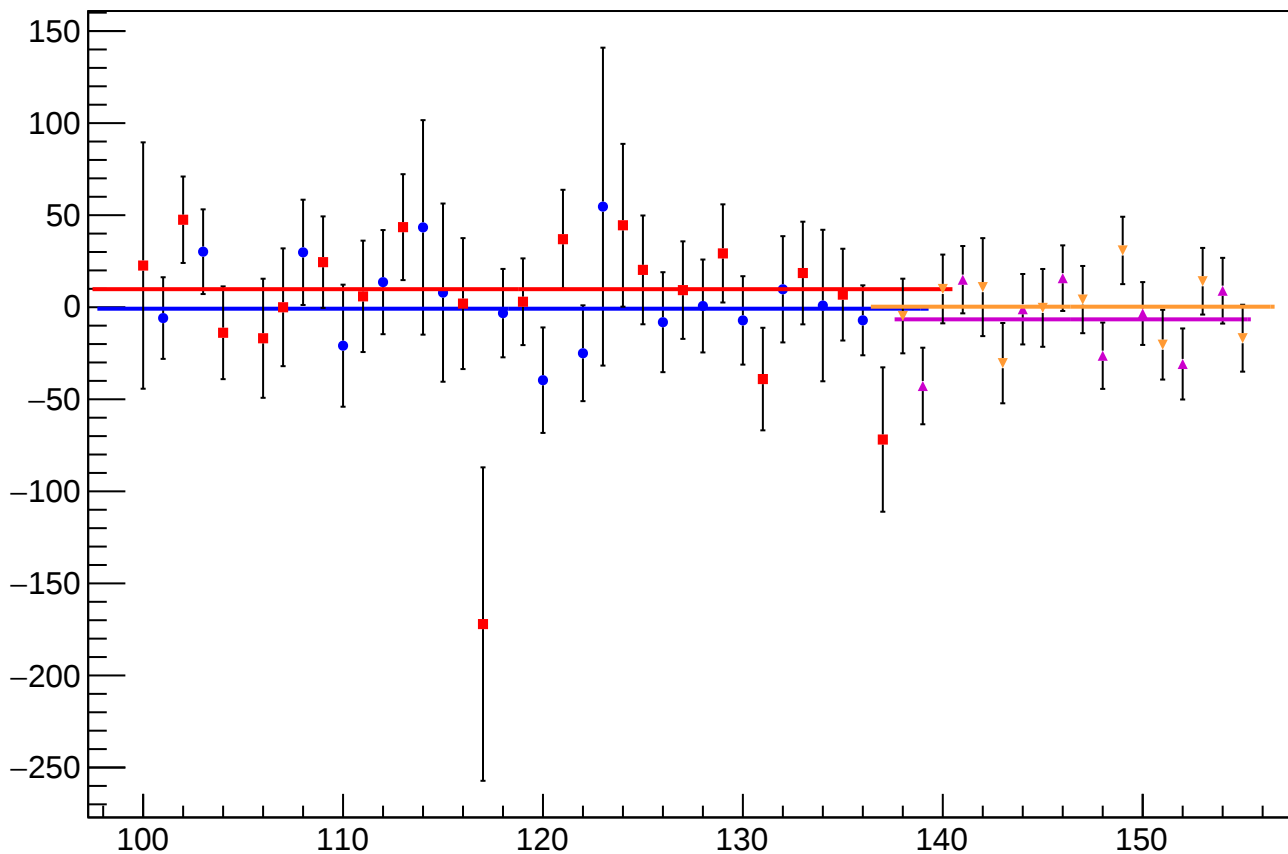
214.966+/-0.043 χ^2/NDF : 1988931.6/26

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

180.868+/-0.038 χ^2/NDF : 2698081.2/27

Left In: 190.724+/-0.057 χ^2/NDF : 1064259.2/7

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.801 $\pm$ 6.770 χ^2/NDF : 7.8/16

Left Out: 0.296 $\pm$ 6.213 χ^2/NDF : 8.0/9

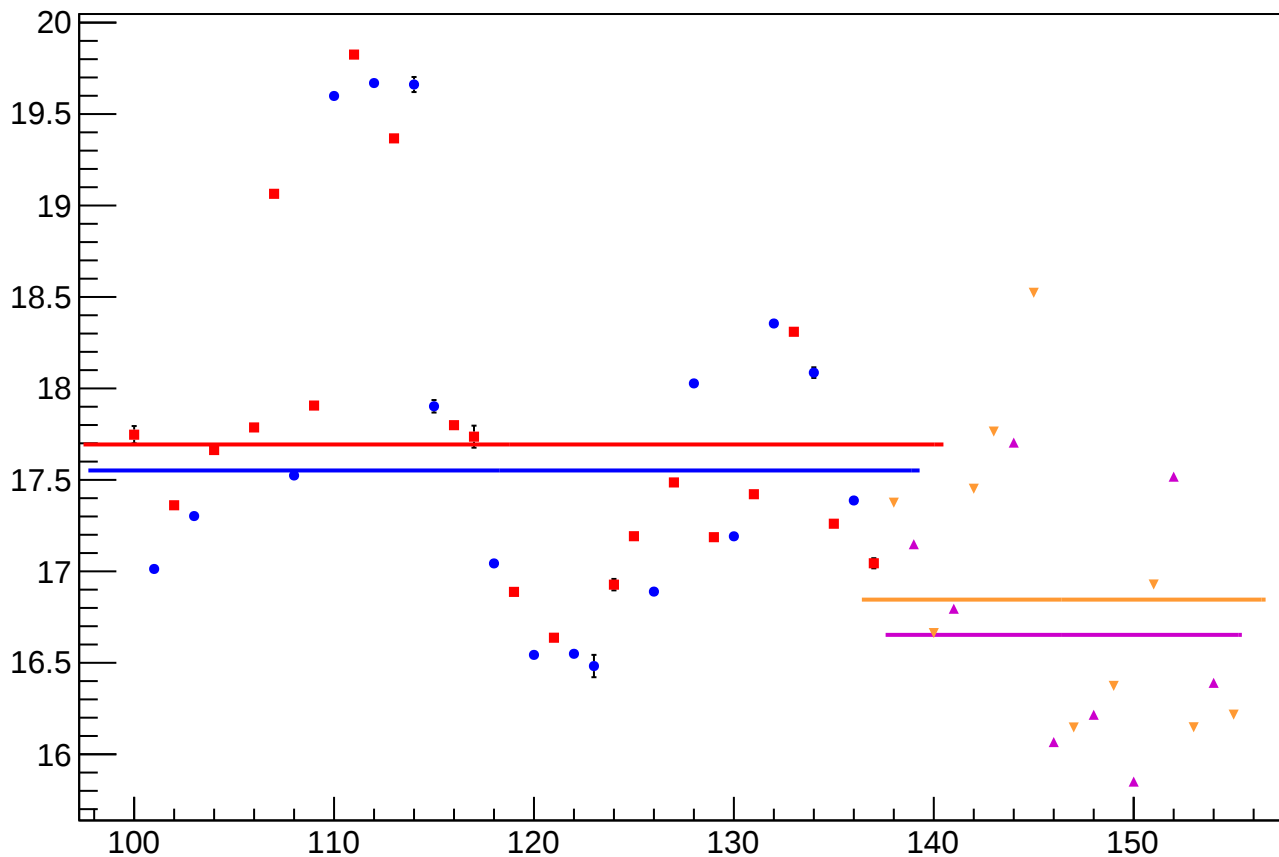
Right Out: 9.809 $\pm$ 6.606 χ^2/NDF : 20.5/19

Left In: -6.580 $\pm$ 6.520 χ^2/NDF : 9.6/7

-0.206 $\pm$ 4.578 χ^2/NDF : 15.7/26

1.507 $\pm$ 4.641 χ^2/NDF : 33.3/27

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

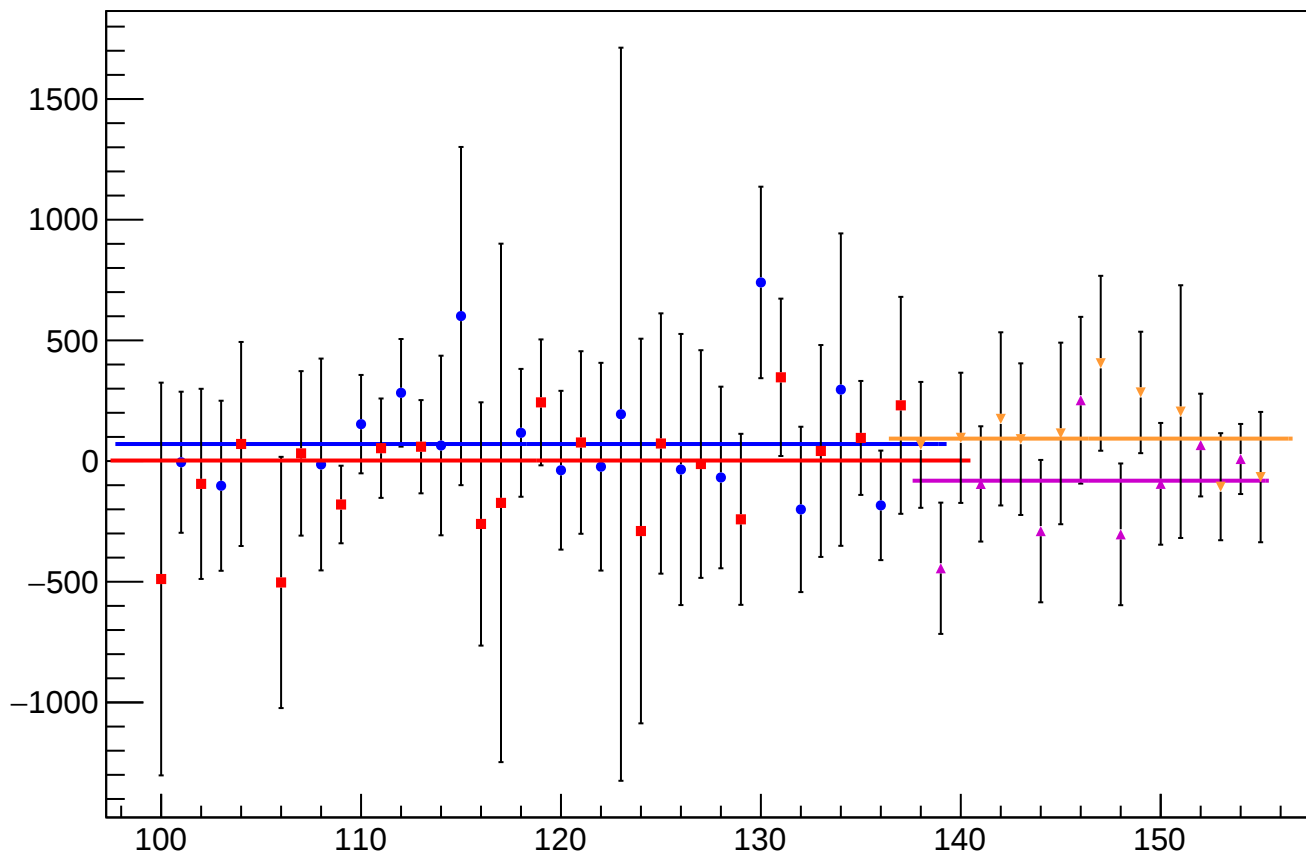
Right Out: 17.694 ± 0.005 χ^2/NDF : 30742.5/19

Left In: 16.653 ± 0.005 χ^2/NDF : 19503.0/7

17.168 ± 0.003 χ^2/NDF : 74248.9/26

17.166 ± 0.003 χ^2/NDF : 75395.1/27

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

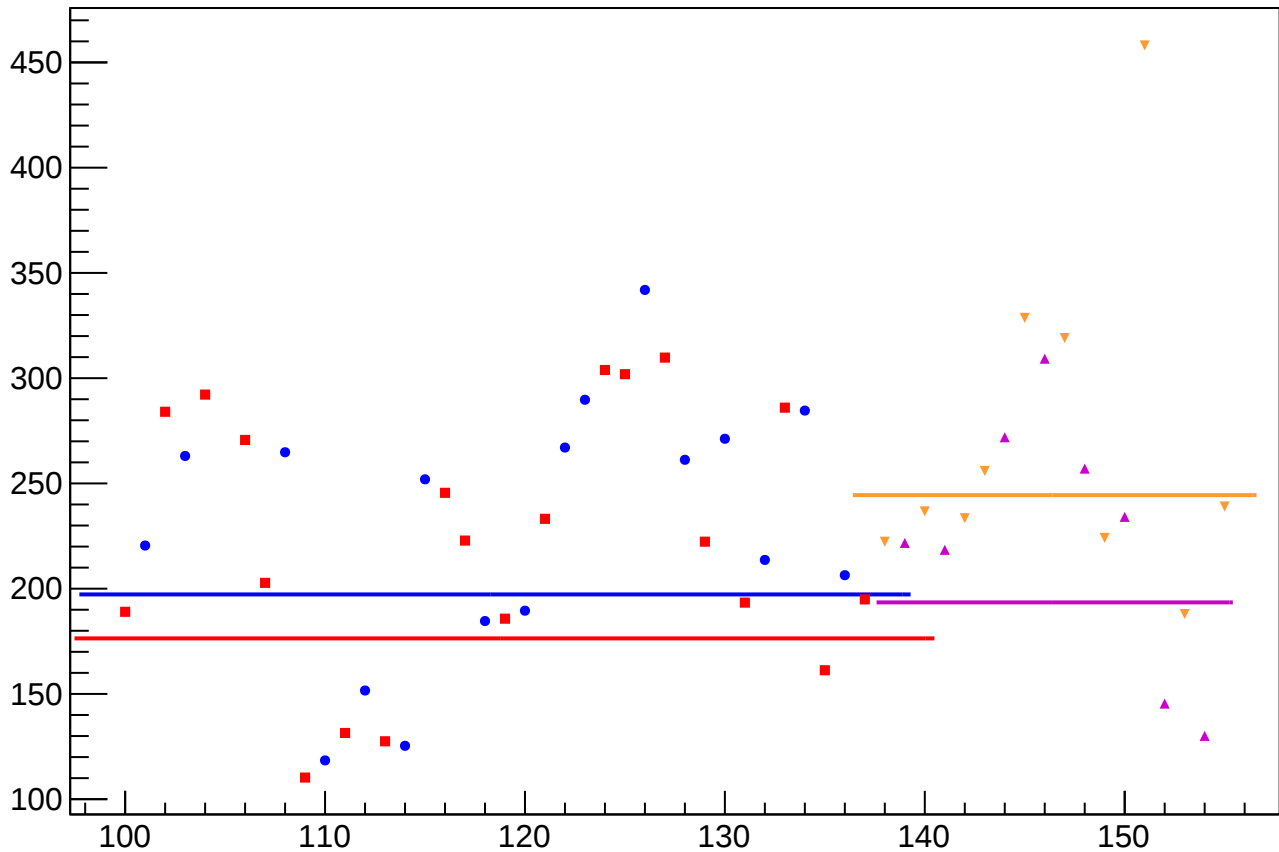
Right Out: 2.285+/-71.350 χ^2/NDF : 6.2/19

Left In: -81.344+/-82.265 χ^2/NDF : 4.7/7

80.159+/-60.948 χ^2/NDF : 9.8/26

-33.617+/-53.901 χ^2/NDF : 11.4/27

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

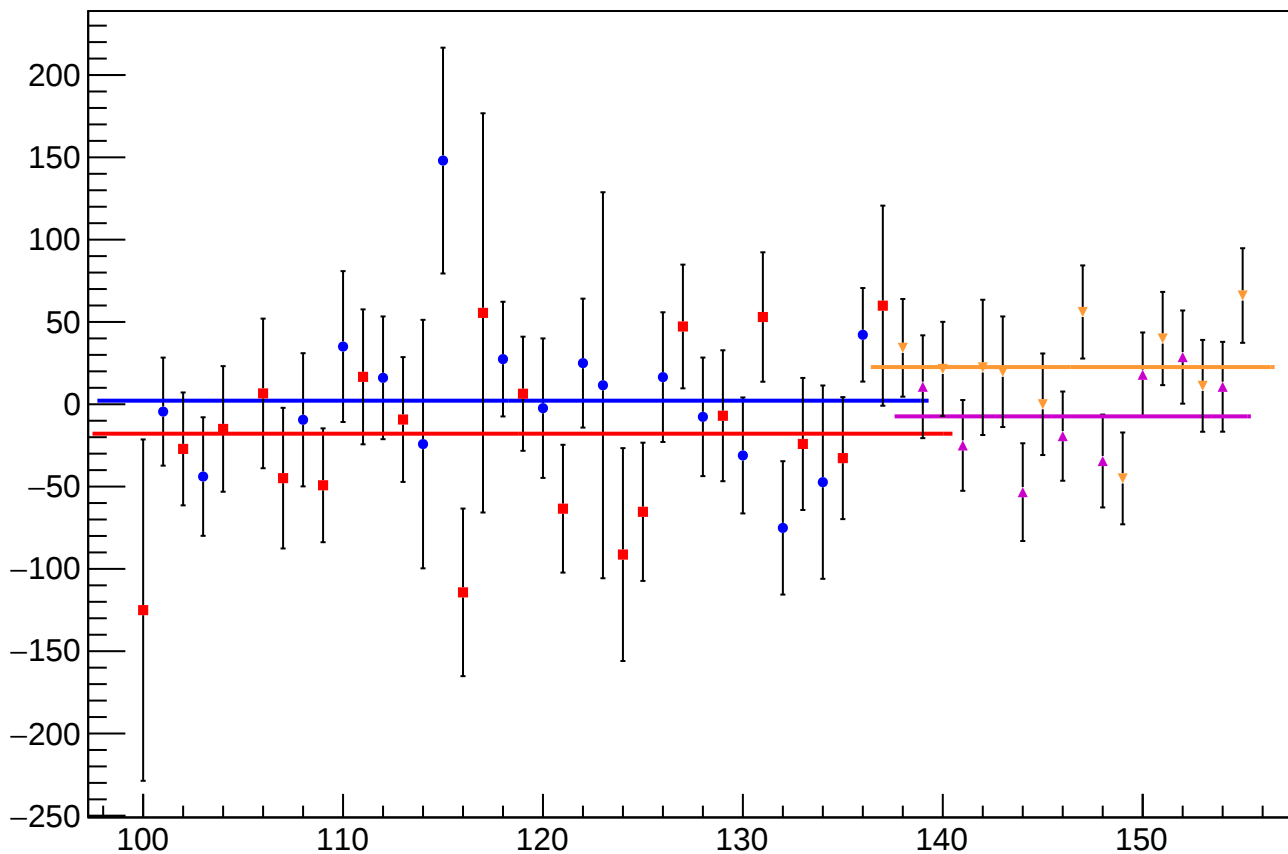
217.336+/-0.043 χ^2/NDF : 1944462.0/26

Right Out: 176.387+/-0.050 χ^2/NDF : 1523467.7/19

183.725+/-0.038 χ^2/NDF : 2611448.7/27

Left In: 193.479+/-0.058 χ^2/NDF : 1038704.5/7

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

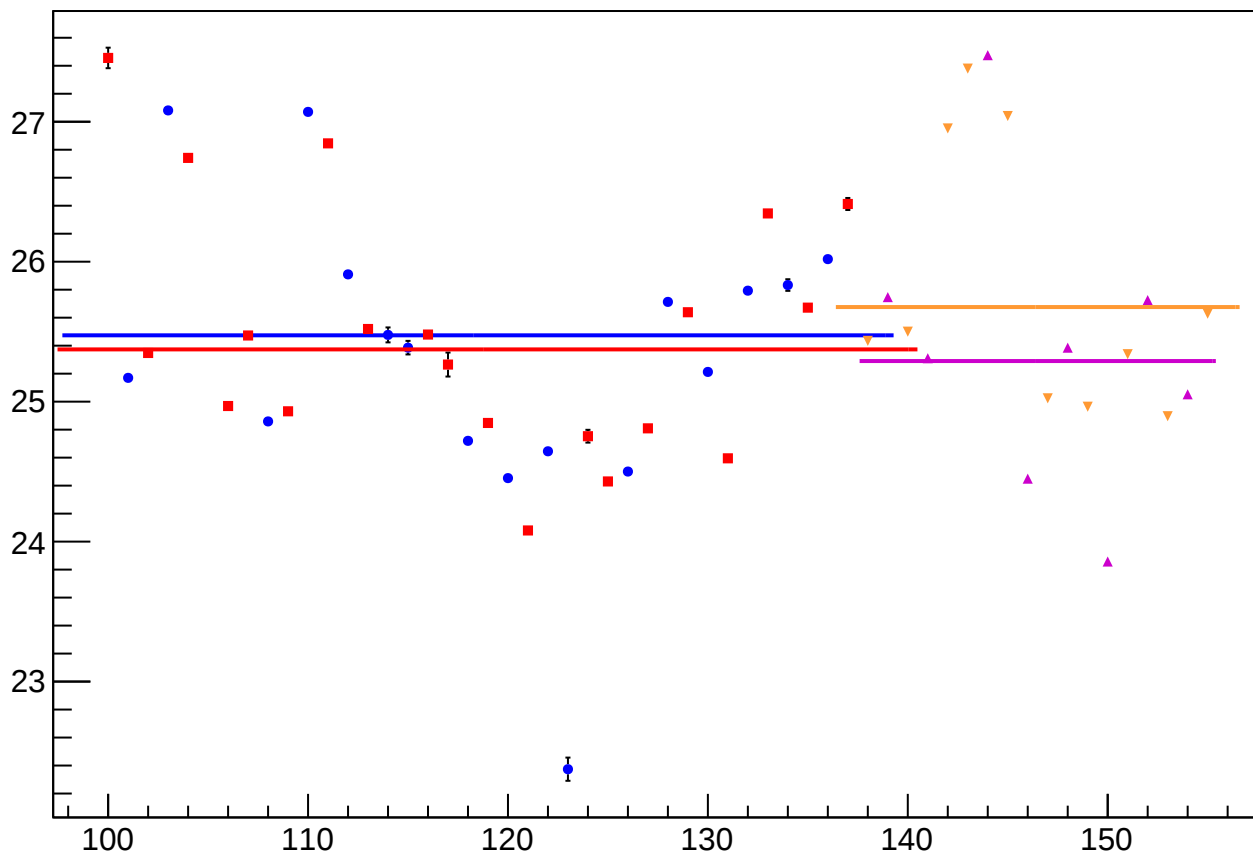
Right Out: -17.869 $\pm$ 9.468 χ^2/NDF : 20.0/19

Left In: -7.343 $\pm$ 9.899 χ^2/NDF : 7.3/7

12.771 $\pm$ 6.816 χ^2/NDF : 28.4/26

-12.840 $\pm$ 6.842 χ^2/NDF : 27.8/27

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.474 $\pm$ 0.007 χ^2 /NDF: 14061.2/16

Left Out: 25.676 $\pm$ 0.007 χ^2 /NDF:15413.3/9

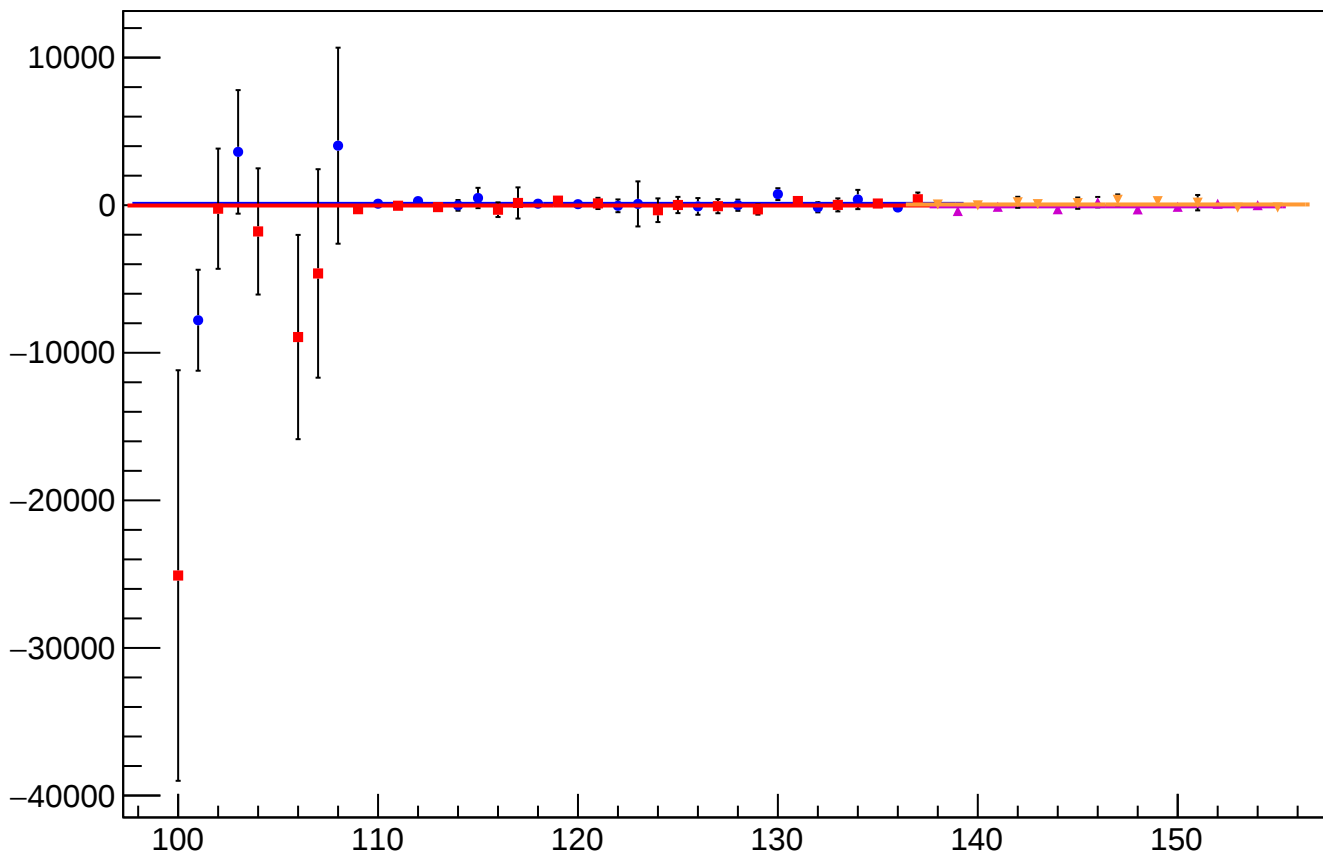
Right Out: 25.373 $\pm$ 0.007 χ^2 /NDF: 13582.8/19

Left In: 25.290 $\pm$ 0.007 χ^2 /NDF:20060.2/7

25.579 $\pm$ 0.005 χ^2 /NDF: 29912.8/26

25.334 $\pm$ 0.005 χ^2 /NDF: 33716.9/27

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

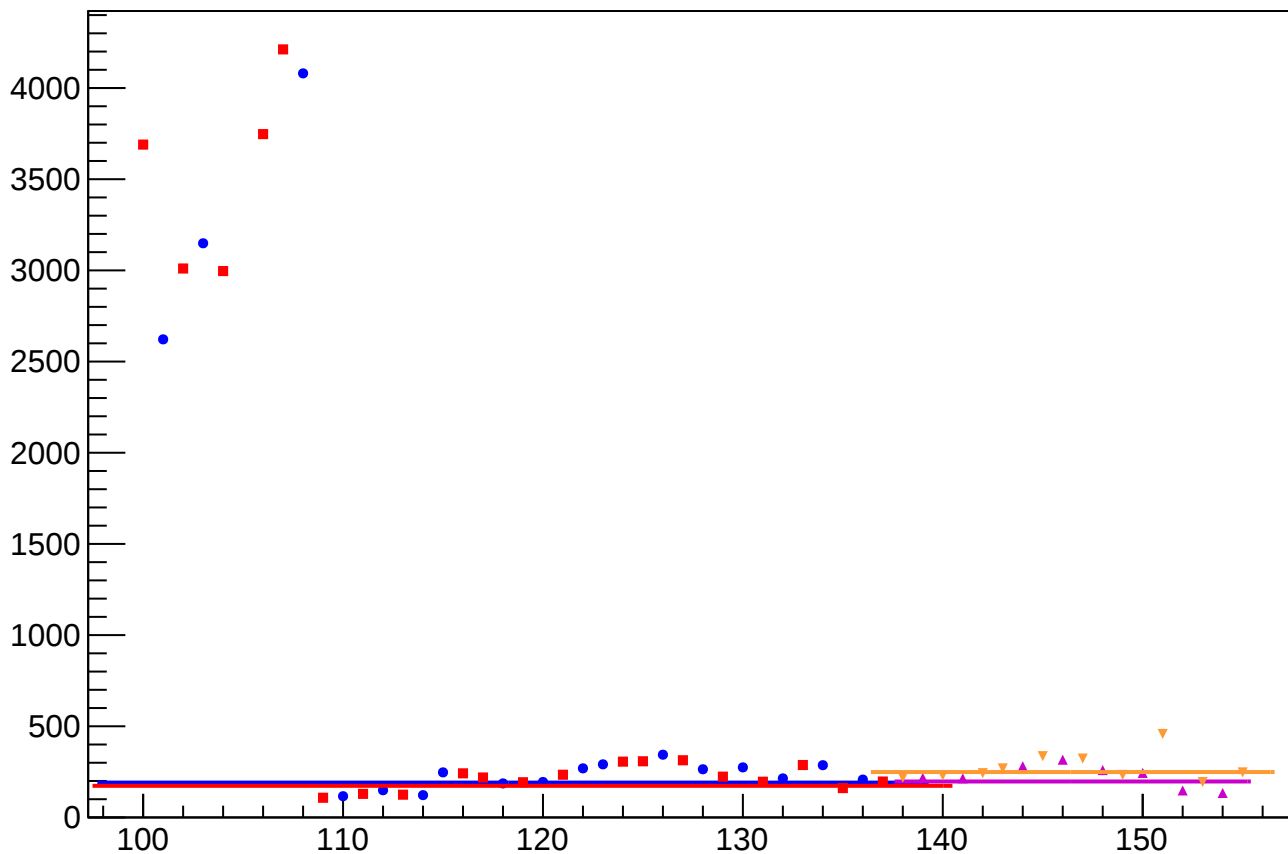
Right Out: -21.600+/-80.665 χ^2/NDF : 11.9/19

Left In: -79.295+/-83.708 χ^2/NDF : 3.9/7

71.228+/-64.453 χ^2/NDF : 15.7/26

-49.380+/-58.085 χ^2/NDF : 16.1/27

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

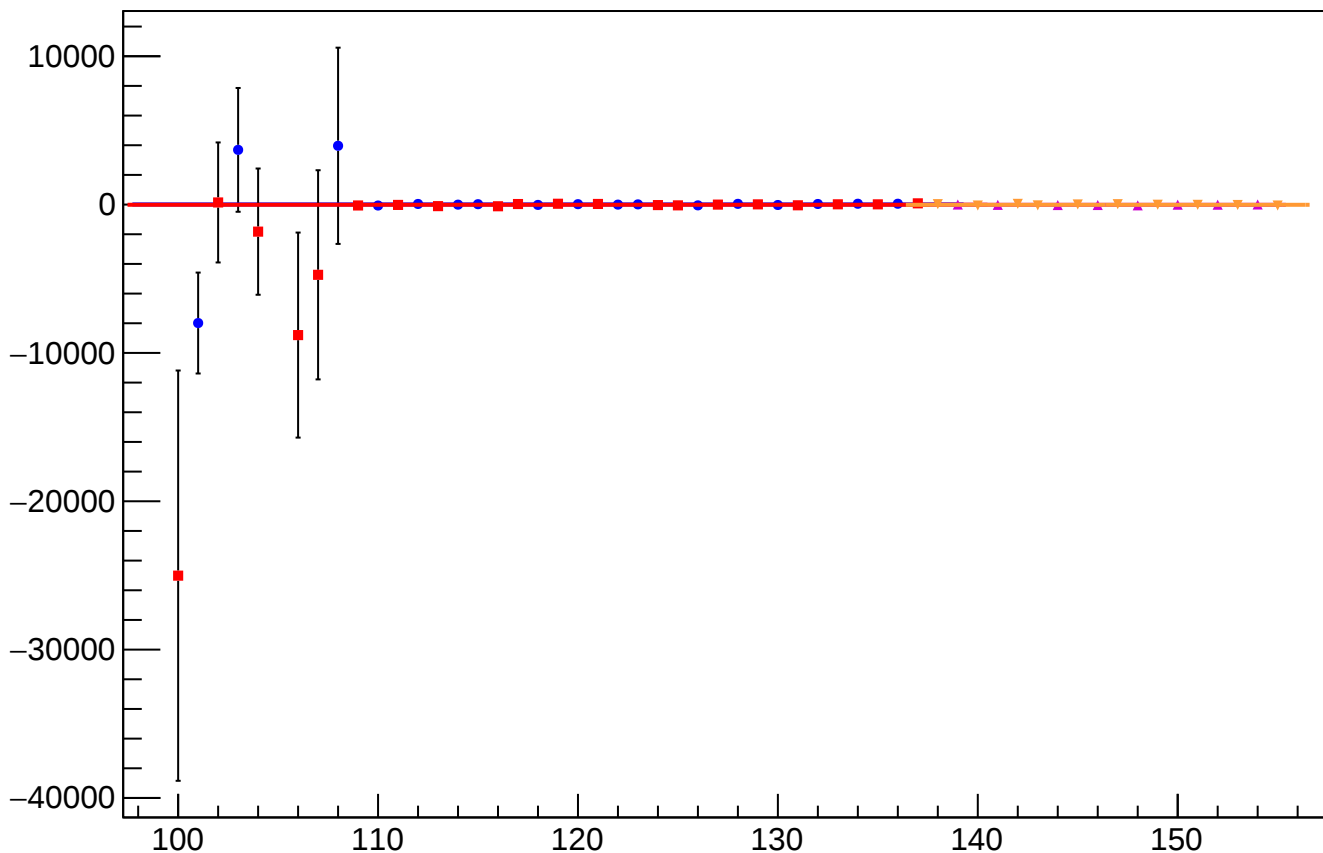
Right Out: 173.536 +/- 0.057 χ^2/NDF : 4210933.2/19

Left In: 197.231 +/- 0.059 χ^2/NDF : 1009847.8/7

217.741 +/- 0.046 χ^2/NDF : 4644537.4/26

184.945 +/- 0.041 χ^2/NDF : 5303868.8/27

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

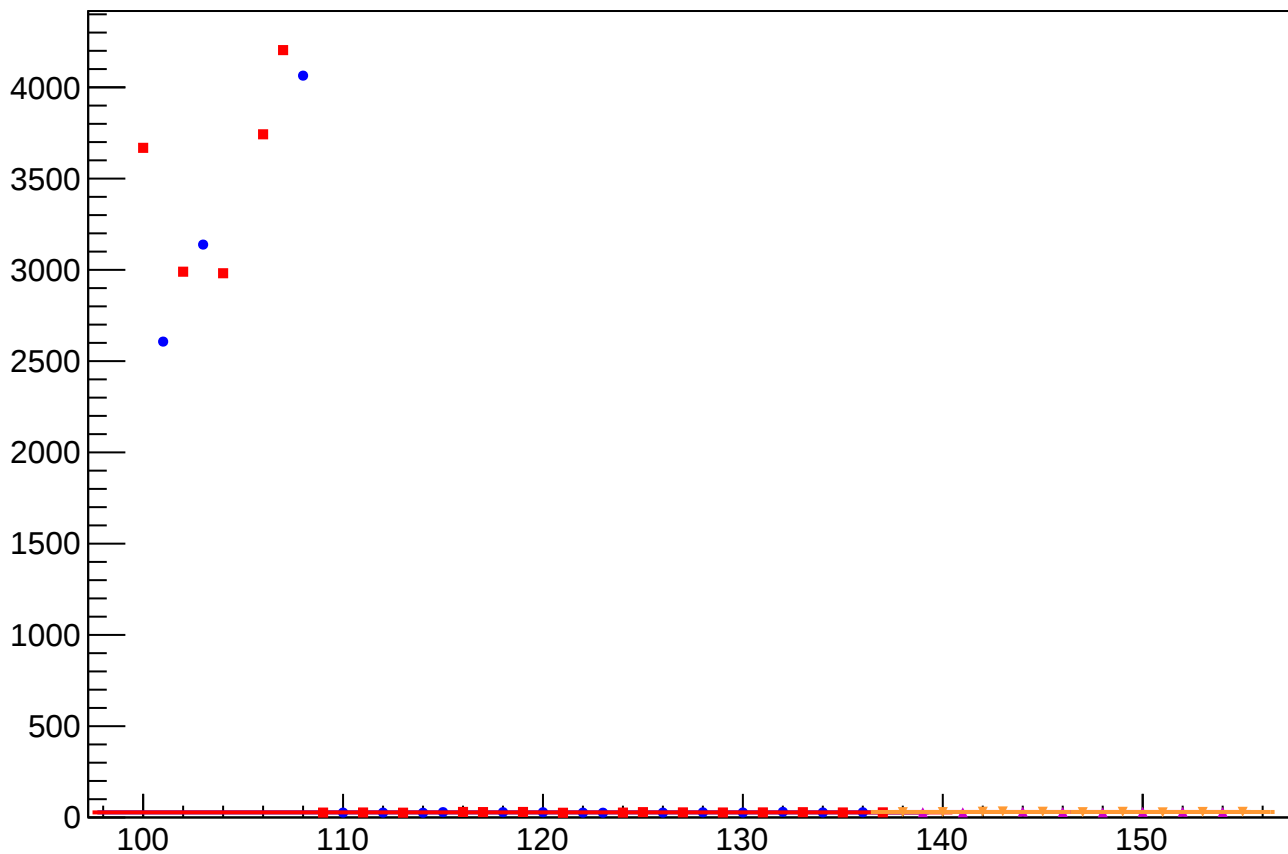
Right Out: -12.573+/-12.182 χ^2/NDF : 24.5/19

Left In: -17.179+/-11.793 χ^2/NDF : 2.6/7

-3.443+/-8.197 χ^2/NDF : 31.2/26

-14.951+/-8.473 χ^2/NDF : 27.2/27

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

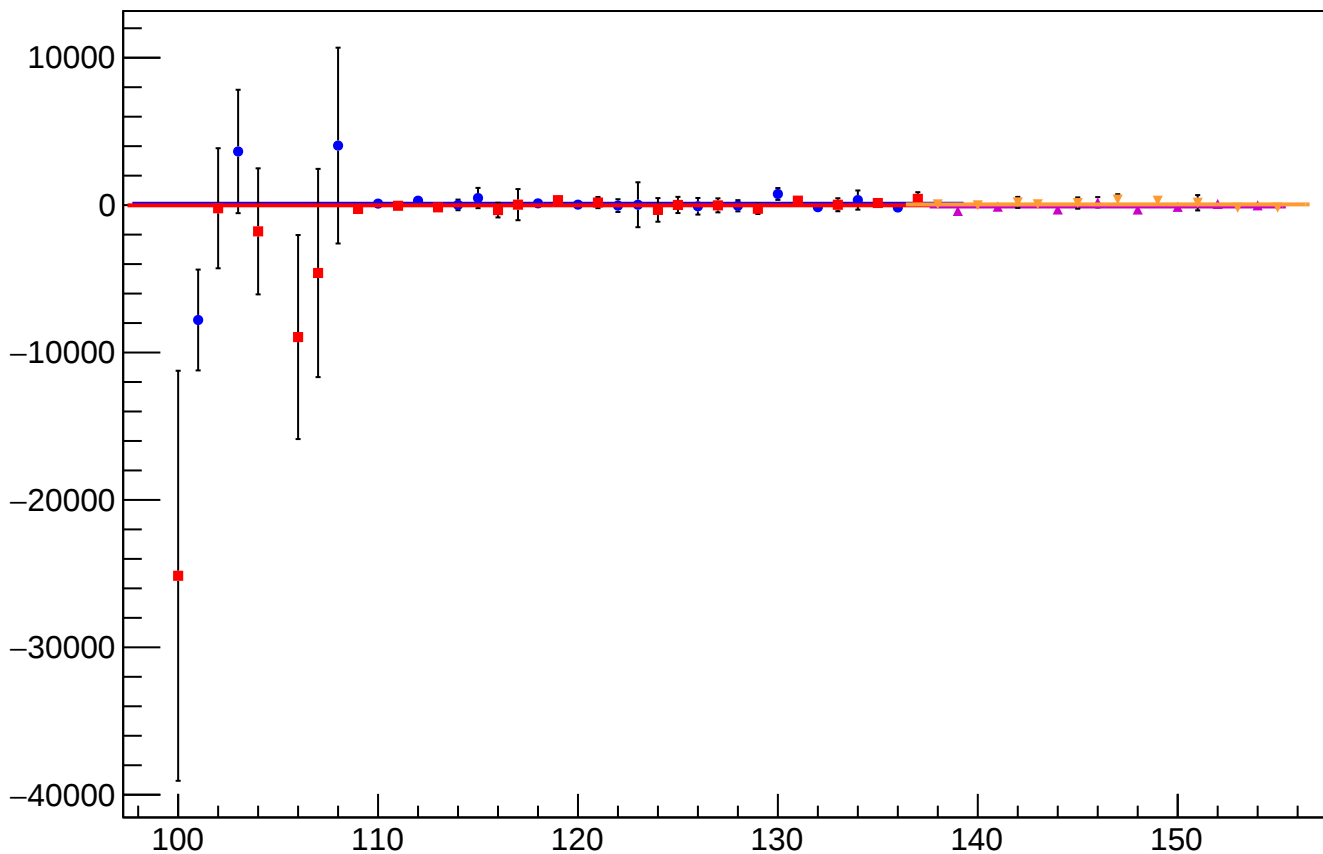
Right Out: 27.706+/-0.009 χ^2/NDF : 3477080.4/19

Left In: 30.057+/-0.008 χ^2/NDF : 30489.0/7

29.022+/-0.006 χ^2/NDF : 3092013.8/26

28.920+/-0.006 χ^2/NDF : 3546003.7/27

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

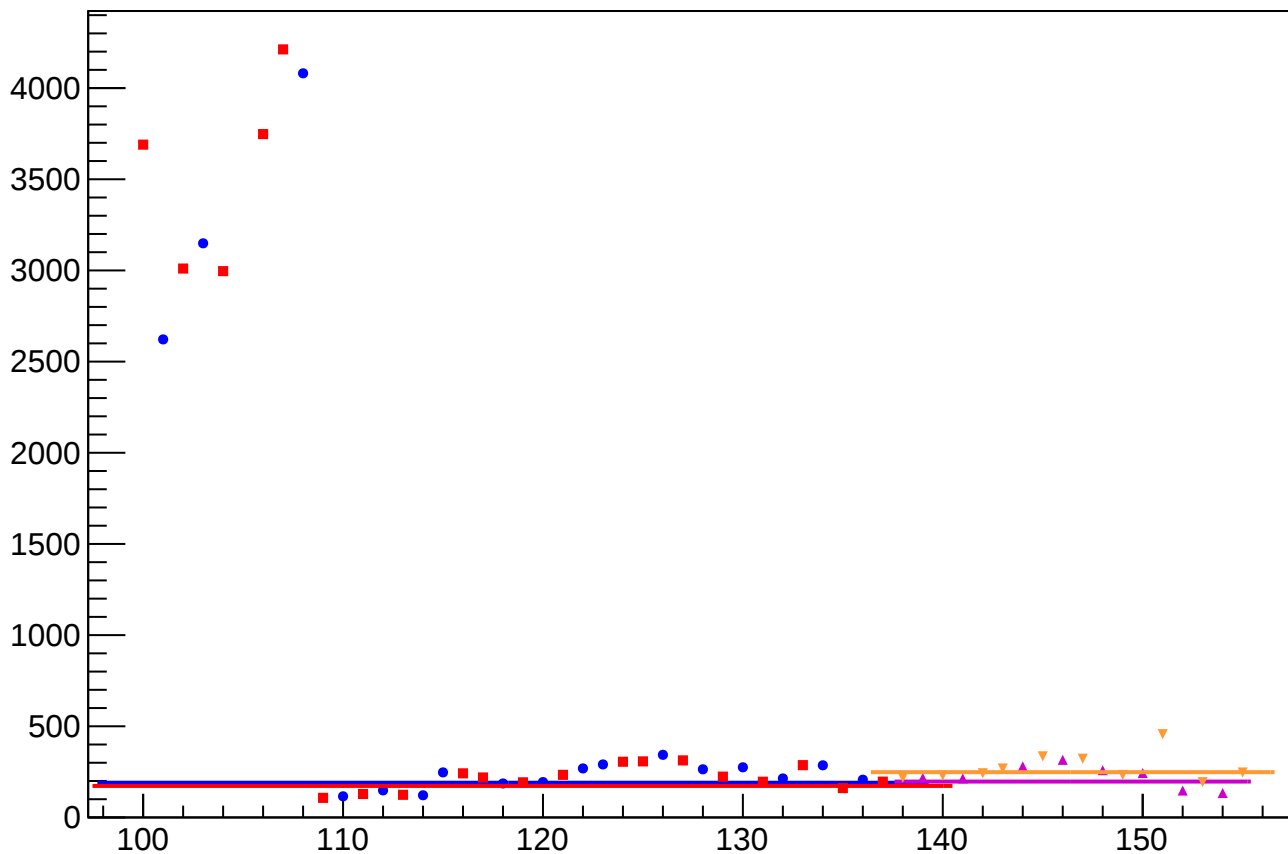
Right Out: -12.509+/-80.407 χ^2/NDF : 12.7/19

Left In: -91.553+/-83.536 χ^2/NDF : 3.8/7

72.725+/-64.278 χ^2/NDF : 16.4/26

-50.522+/-57.931 χ^2/NDF : 16.9/27

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

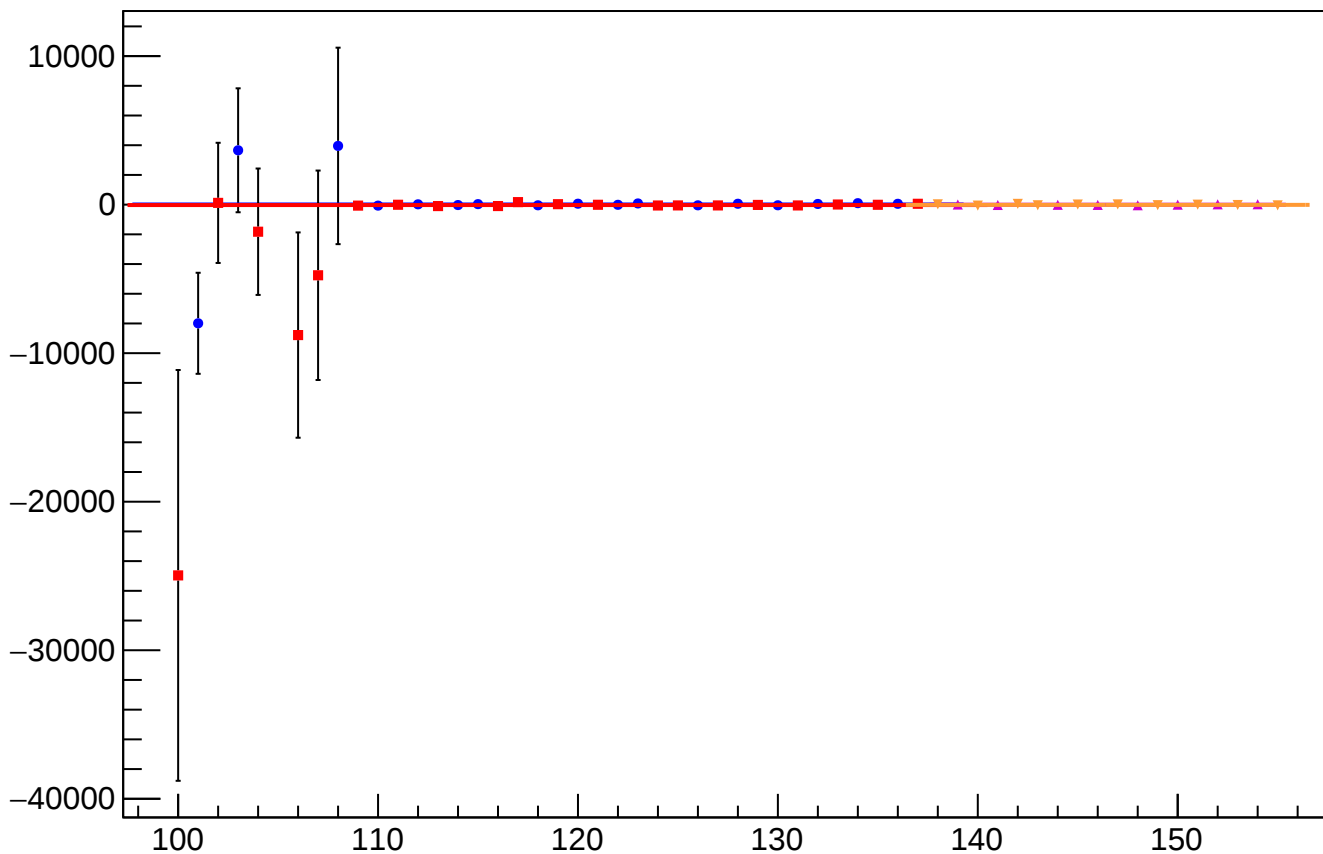
Right Out: 172.872+/-0.057 χ^2/NDF : 422275.2/19

Left In: 196.837+/-0.059 χ^2/NDF : 1008886.8/7

217.077+/-0.045 χ^2/NDF : 4660540.6/26

184.397+/-0.041 χ^2/NDF : 5316603.7/27

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

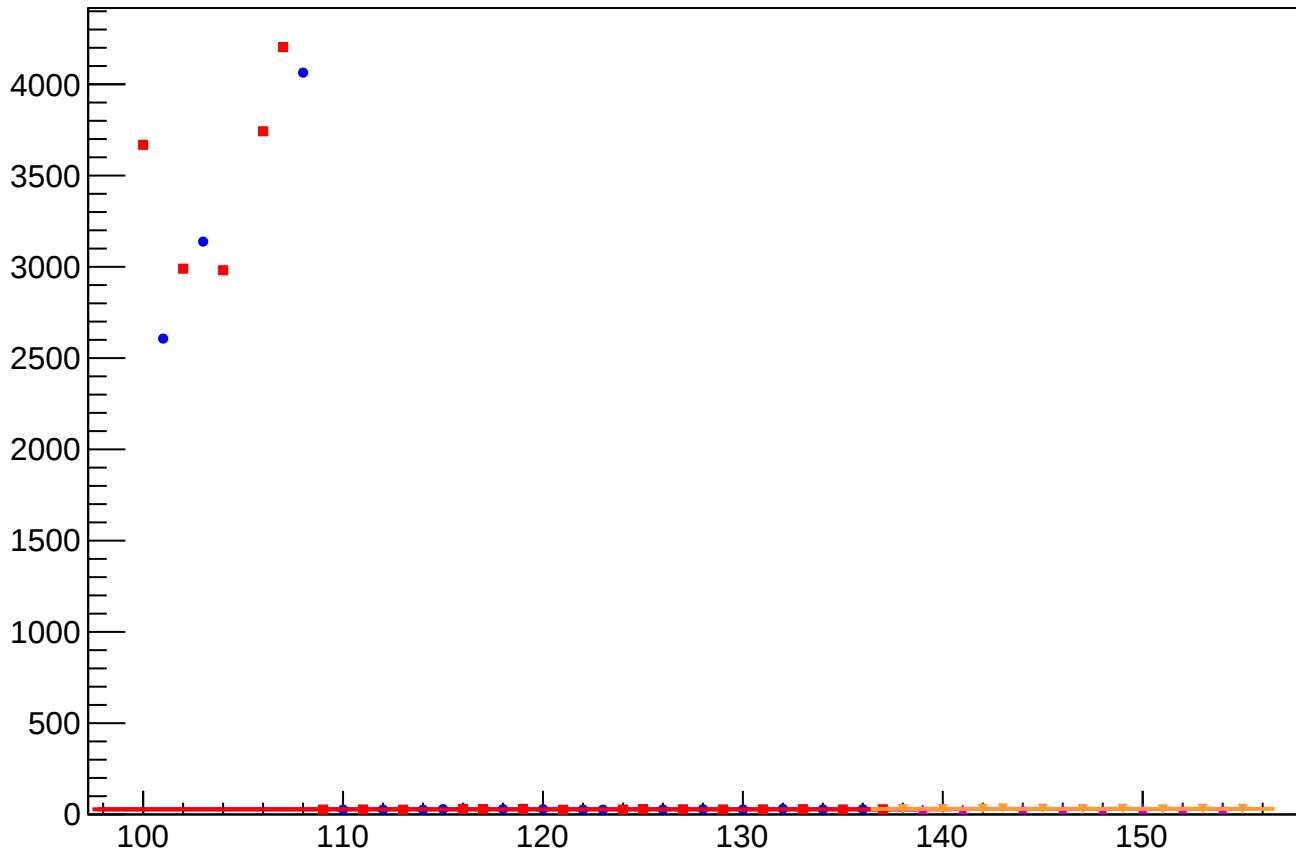
Right Out: -28.128 $\pm$ 12.282 χ^2 /NDF: 18.5/19

Left In: -5.965 $\pm$ 11.857 χ^2 /NDF: 3.3/7

-3.993 $\pm$ 8.257 χ^2 /NDF: 33.9/26

-16.656 $\pm$ 8.530 χ^2 /NDF: 23.5/27

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

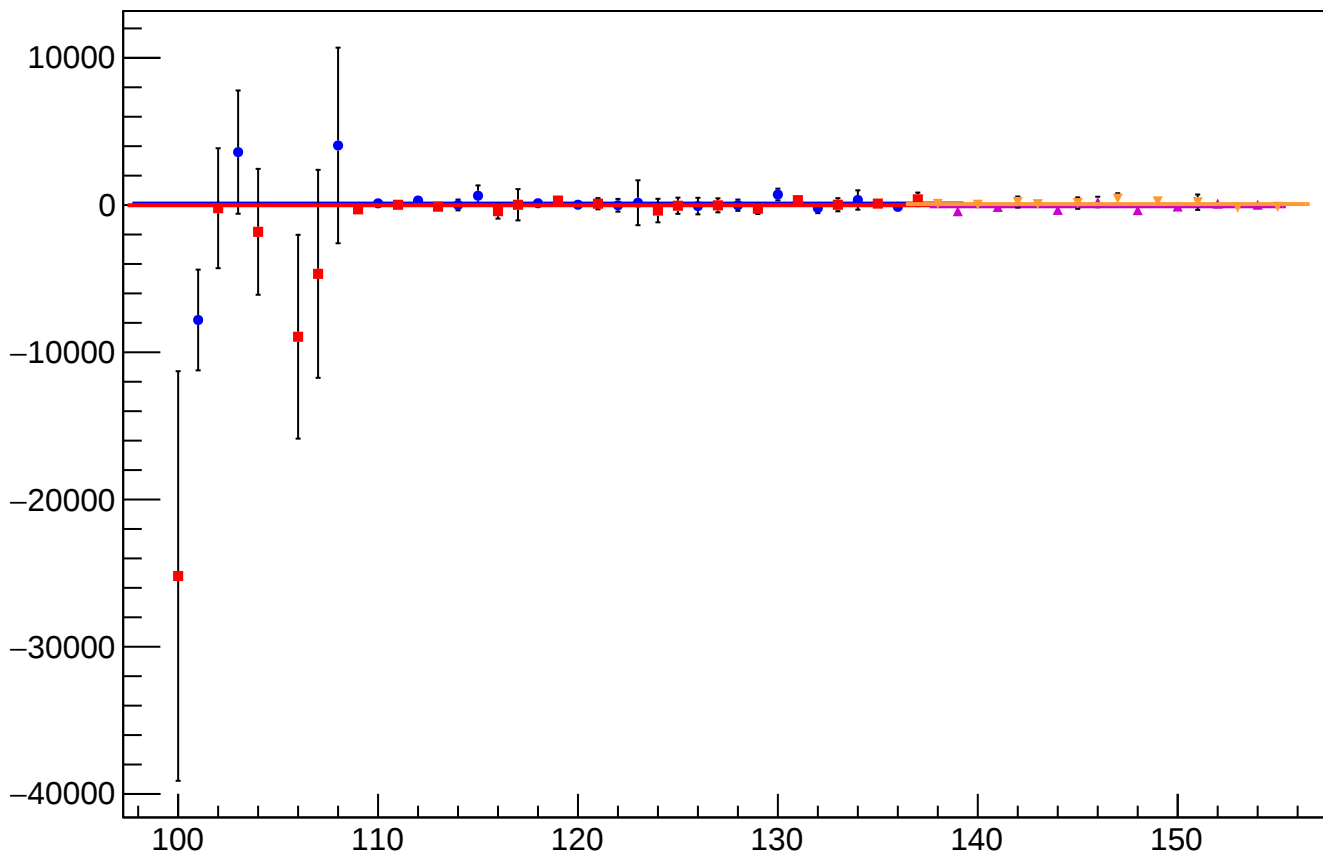
Right Out: 27.929+/-0.009 χ^2/NDF : 3479867.7/19

Left In: 30.226+/-0.008 χ^2/NDF : 30829.0/7

29.229+/-0.006 χ^2/NDF : 3094703.7/26

29.118+/-0.006 χ^2/NDF : 3546902.6/27

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

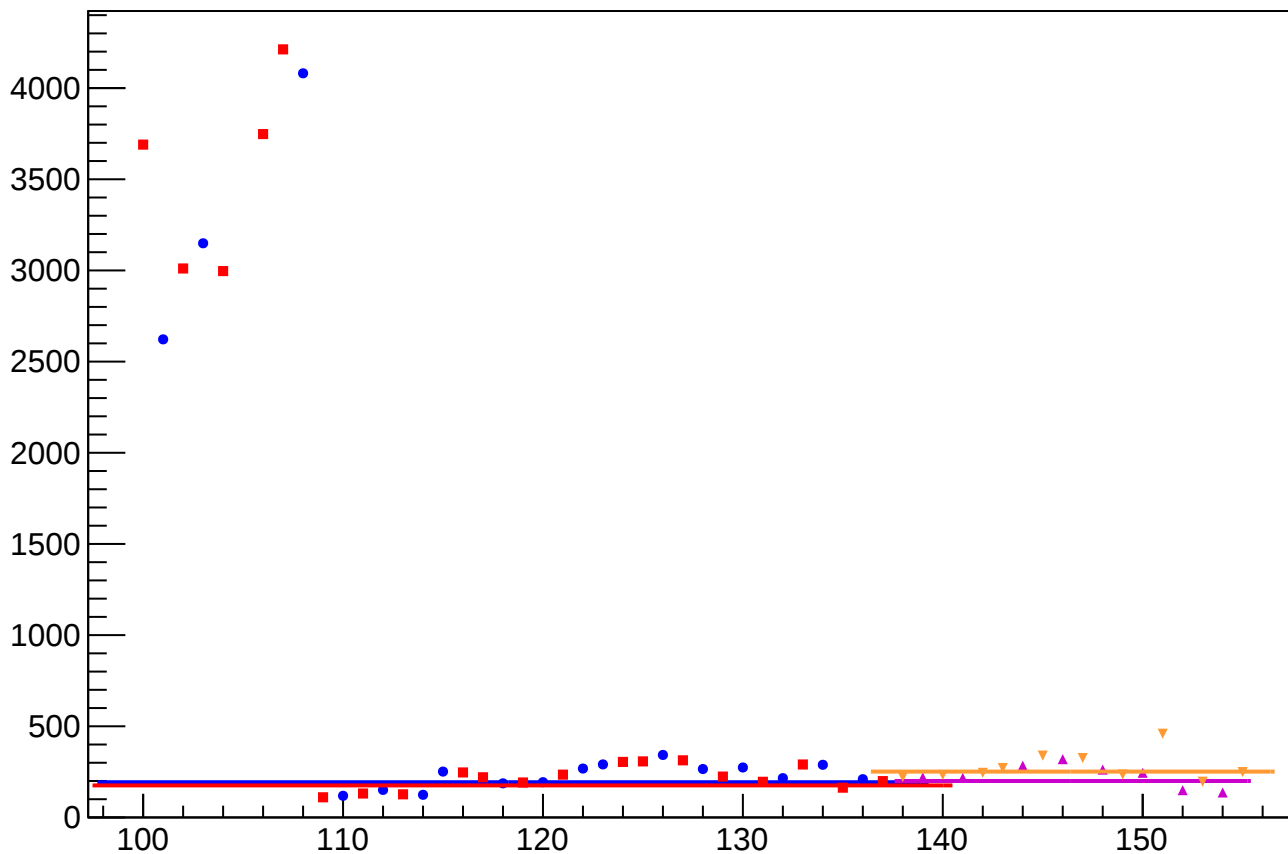
Right Out: -11.037 $\pm$ 81.486 χ^2 /NDF: 12.3/19

Left In: -83.168 $\pm$ 84.729 χ^2 /NDF:4.8/7

85.858 $\pm$ 65.043 χ^2 /NDF: 15.7/26

-45.696 $\pm$ 58.732 χ^2 /NDF: 17.5/27

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

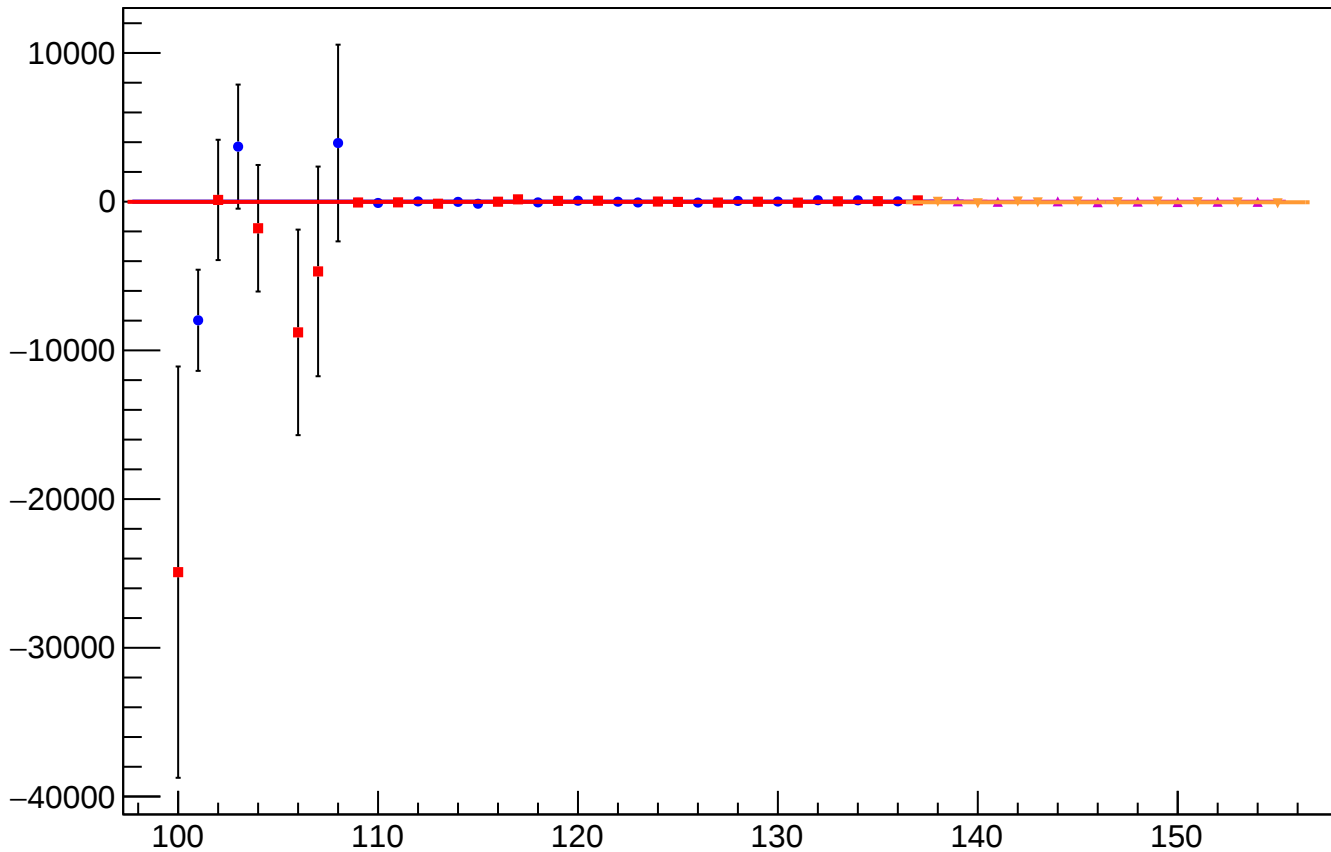
Right Out: 175.749 ± 0.058 χ^2/NDF : 4168935.2/19

Left In: 199.948 ± 0.060 χ^2/NDF : 986211.8/7

219.959 ± 0.046 χ^2/NDF : 4600468.7/26

187.377 ± 0.042 χ^2/NDF : 5239896.9/27

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

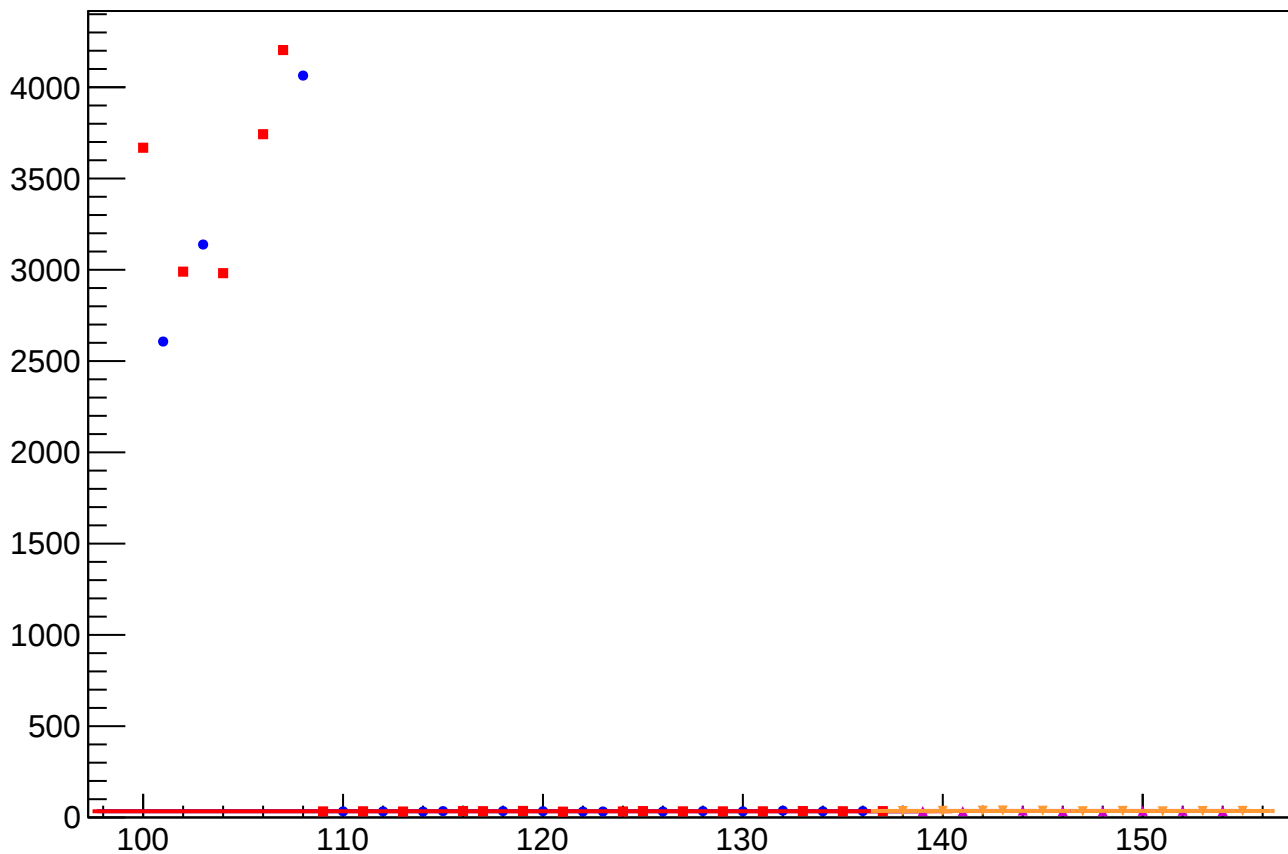
Right Out: -11.101+/-14.886 χ^2 /NDF: 22.7/19

Left In: -3.512+/-13.949 χ^2 /NDF:1.8/7

-20.360+/-9.847 χ^2 /NDF: 35.8/26

-7.060+/-10.178 χ^2 /NDF: 24.7/27

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

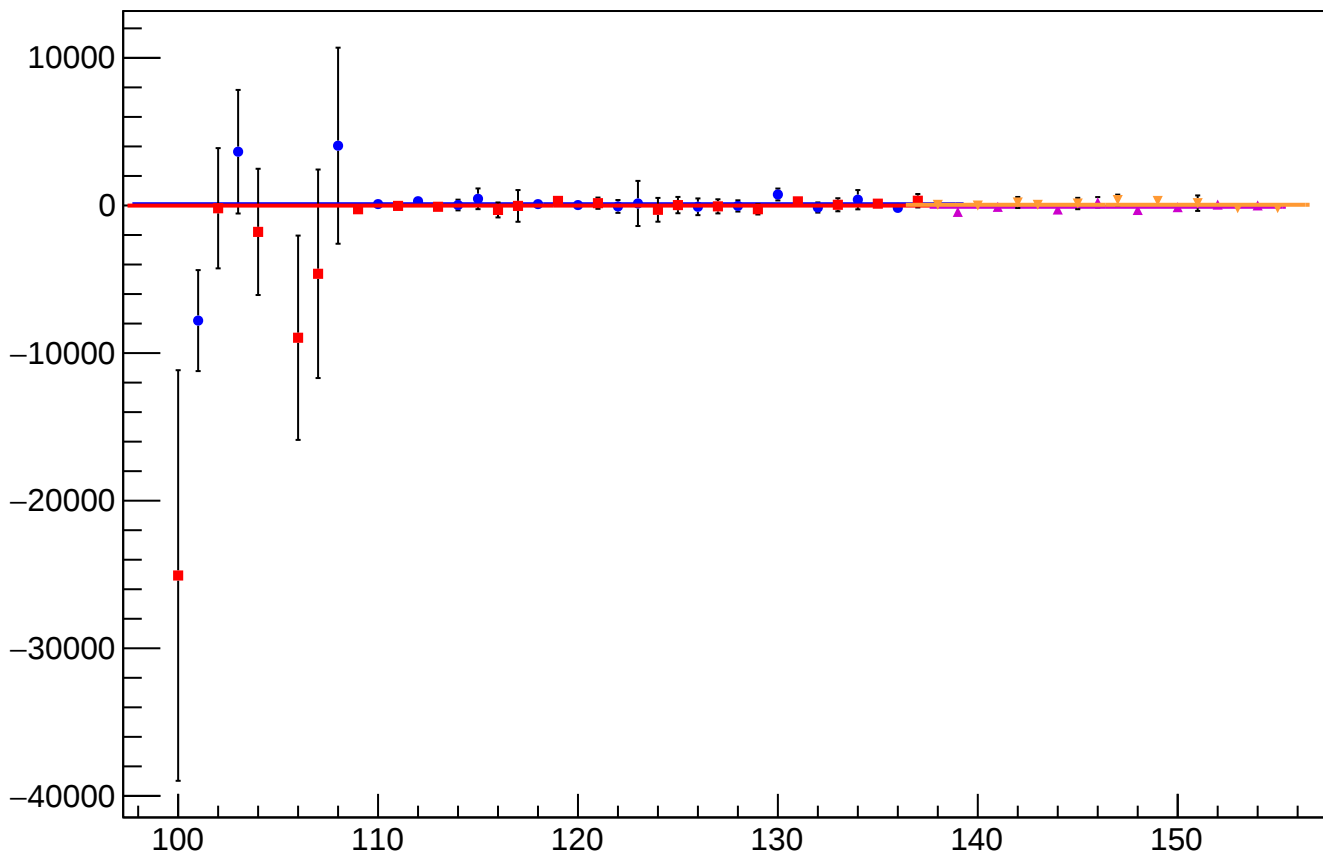
Right Out: 33.915+/-0.011 χ^2/NDF : 3451897.1/19

Left In: 35.624+/-0.010 χ^2/NDF :12530.6/7

34.920+/-0.007 χ^2/NDF : 3035281.9/26

34.825+/-0.007 χ^2/NDF : 3478465.1/27

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

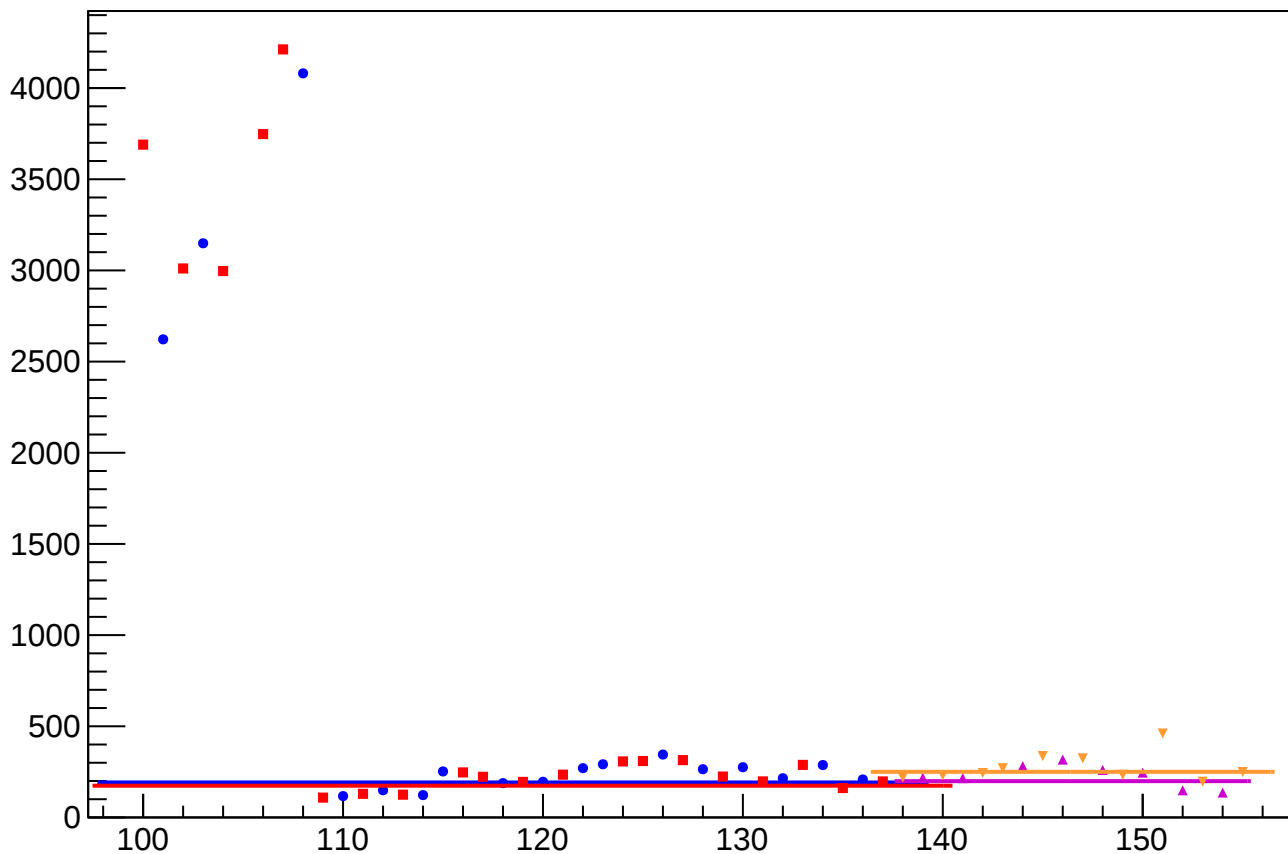
Right Out: -7.420+/-80.977 χ^2/NDF : 11.1/19

Left In: -88.574+/-84.386 χ^2/NDF : 4.1/7

68.605+/-64.717 χ^2/NDF : 16.2/26

-46.325+/-58.428 χ^2/NDF : 15.7/27

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

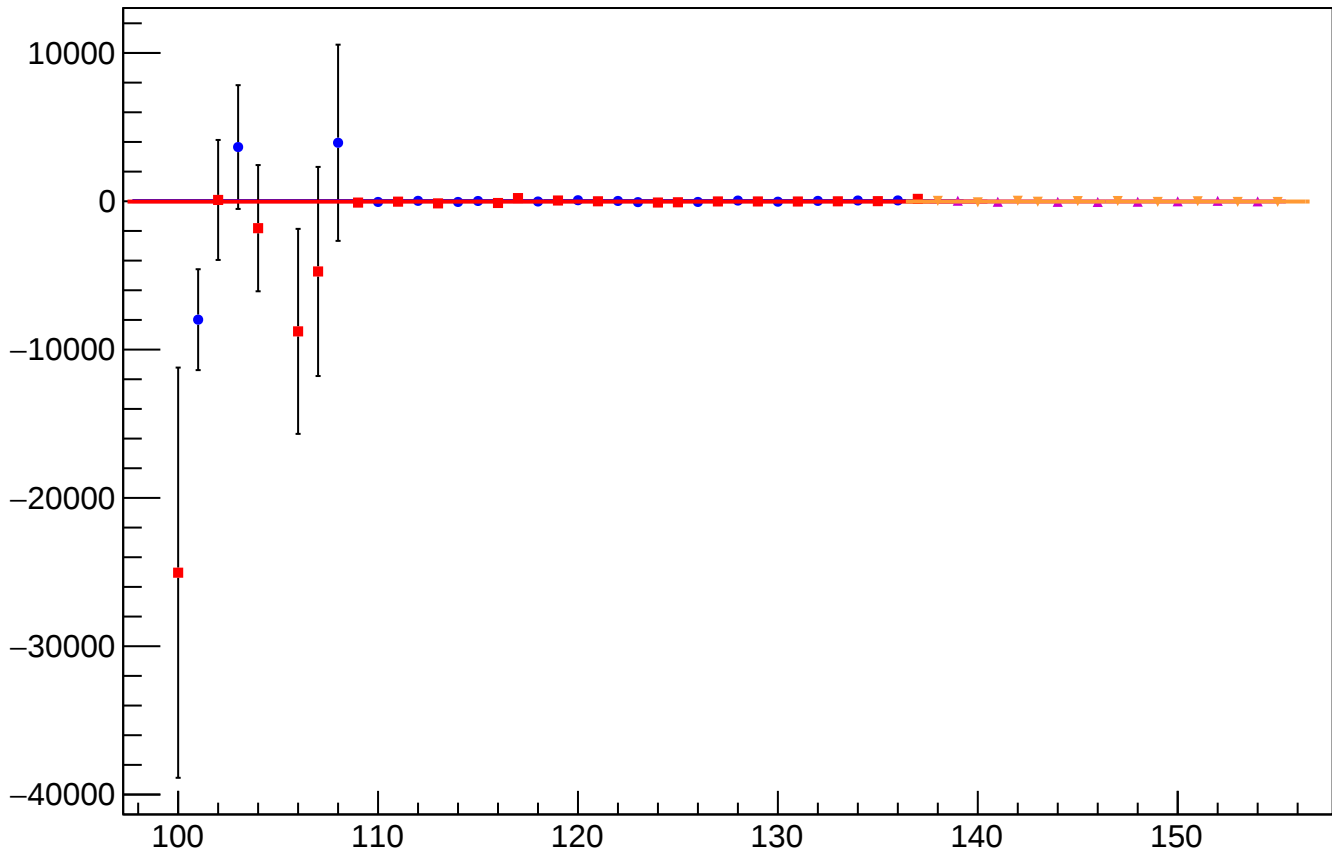
Right Out: 174.207+/-0.057 χ^2/NDF : 4215538.3/19

Left In: 199.129+/-0.060 χ^2/NDF : 979368.8/7

218.646+/-0.046 χ^2/NDF : 4644815.5/26

186.154+/-0.041 χ^2/NDF : 5285726.1/27

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

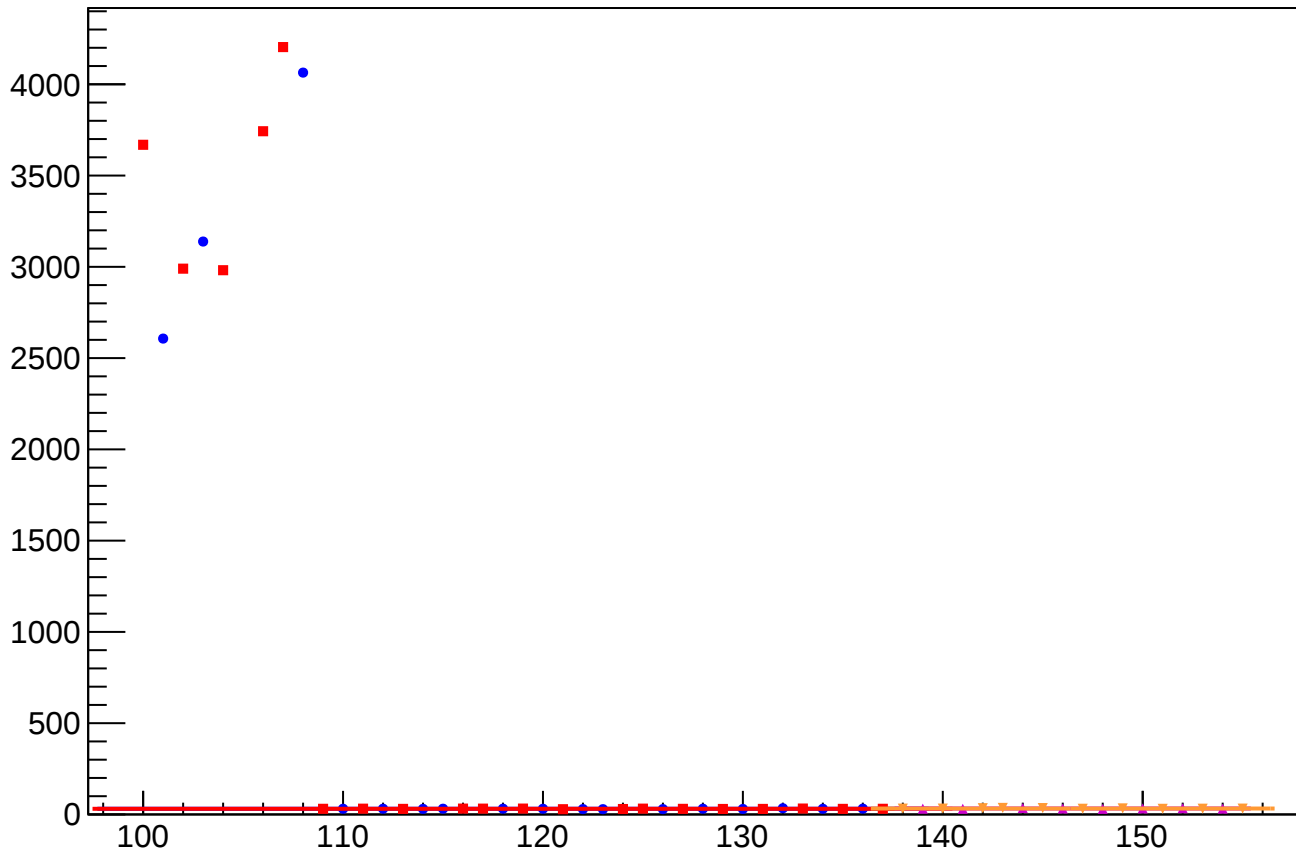
Right Out: -21.490+/-13.601 χ^2/NDF : 29.9/19

Left In: -12.075+/-12.766 χ^2/NDF : 4.9/7

-3.752+/-8.997 χ^2/NDF : 26.4/26

-16.485+/-9.308 χ^2/NDF : 35.1/27

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

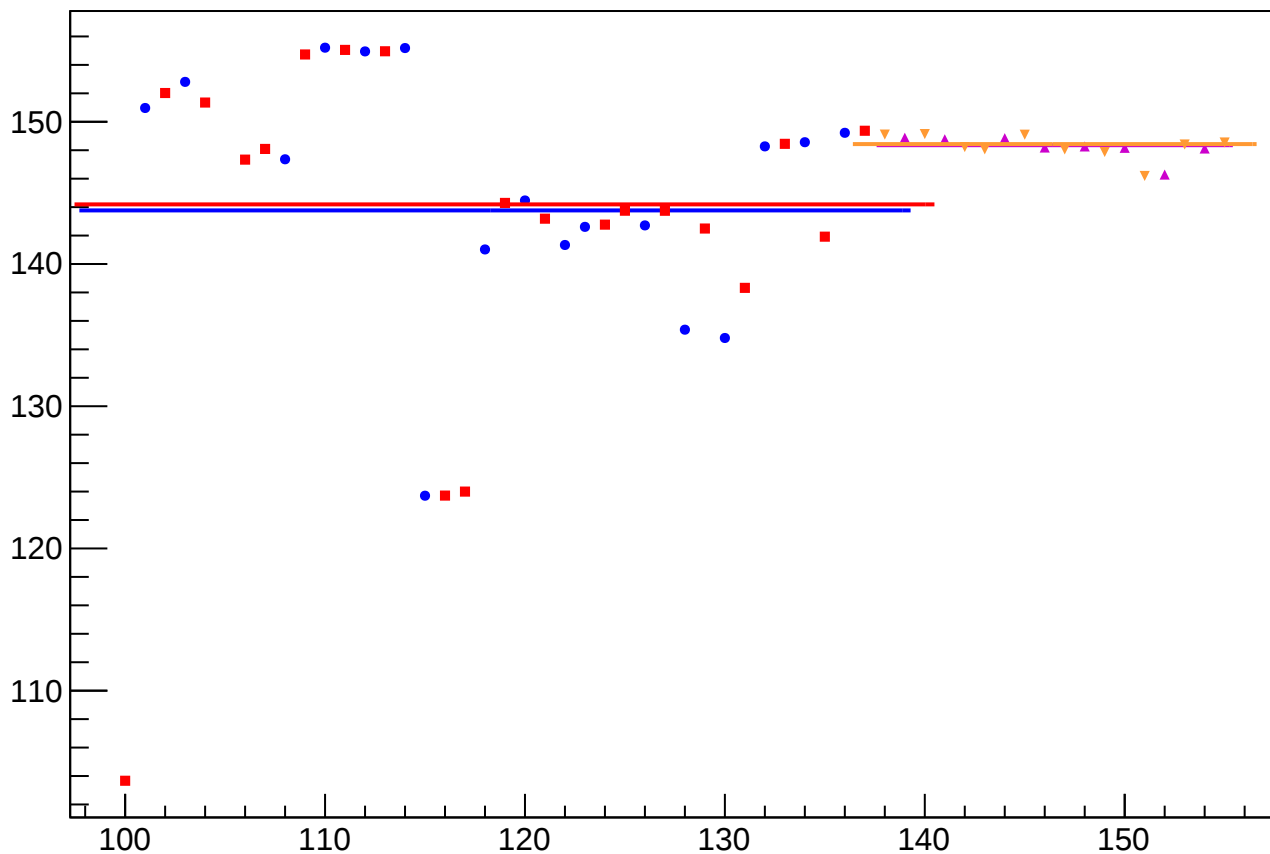
Right Out: 30.970+/-0.010 χ^2/NDF : 3459018.8/19

Left In: 32.543+/-0.009 χ^2/NDF : 24836.3/7

31.885+/-0.006 χ^2/NDF : 3057723.0/26

31.807+/-0.007 χ^2/NDF : 3498068.6/27

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

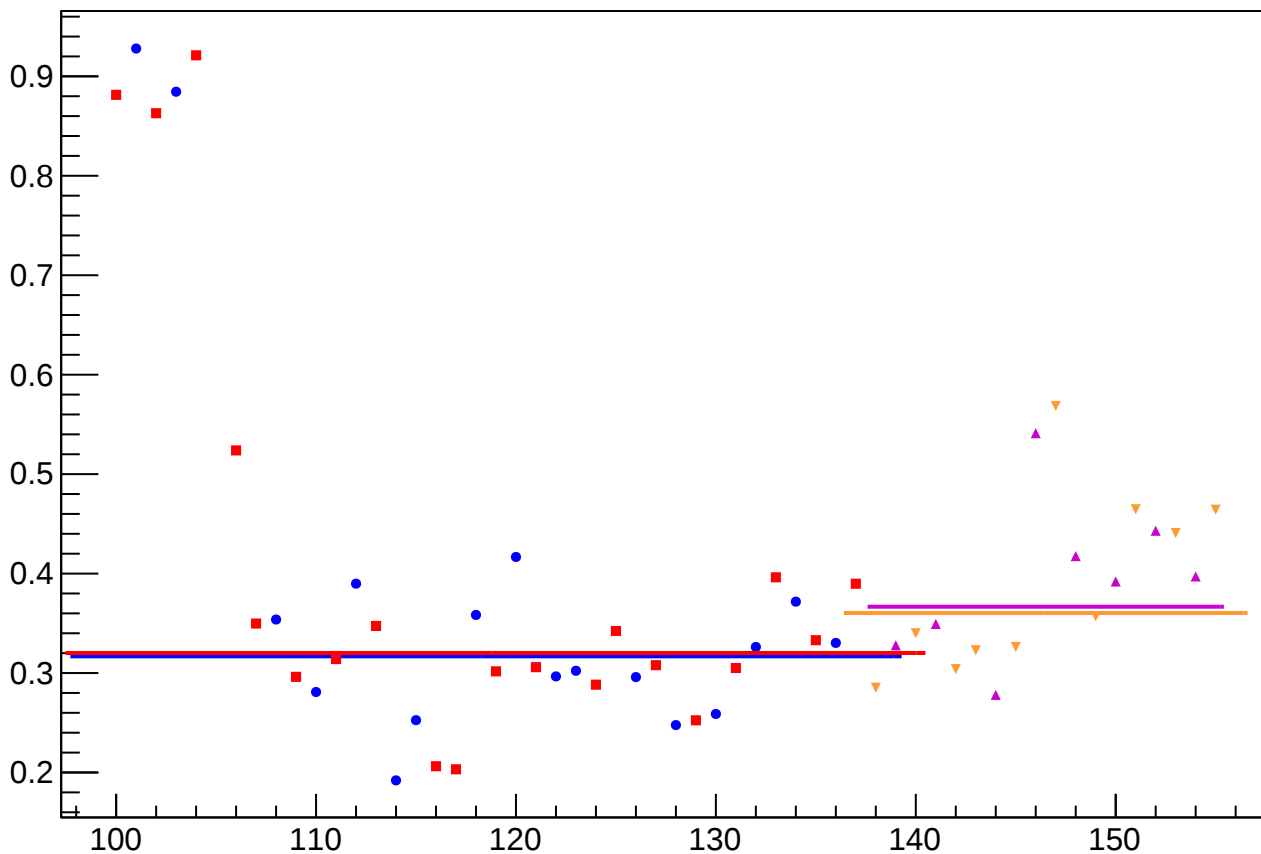
Right Out: 144.192 ± 0.000 χ^2/NDF : 4524049993.1/19

Left In: 148.355 ± 0.000 χ^2/NDF : 22992998.8/7

146.024 ± 0.000 χ^2/NDF : 4148306543.3/26

146.025 ± 0.000 χ^2/NDF : 4984946802.4/27

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1278613.2/16

Left Out: 0.360 ± 0.000 χ^2/NDF : 566276.9/9

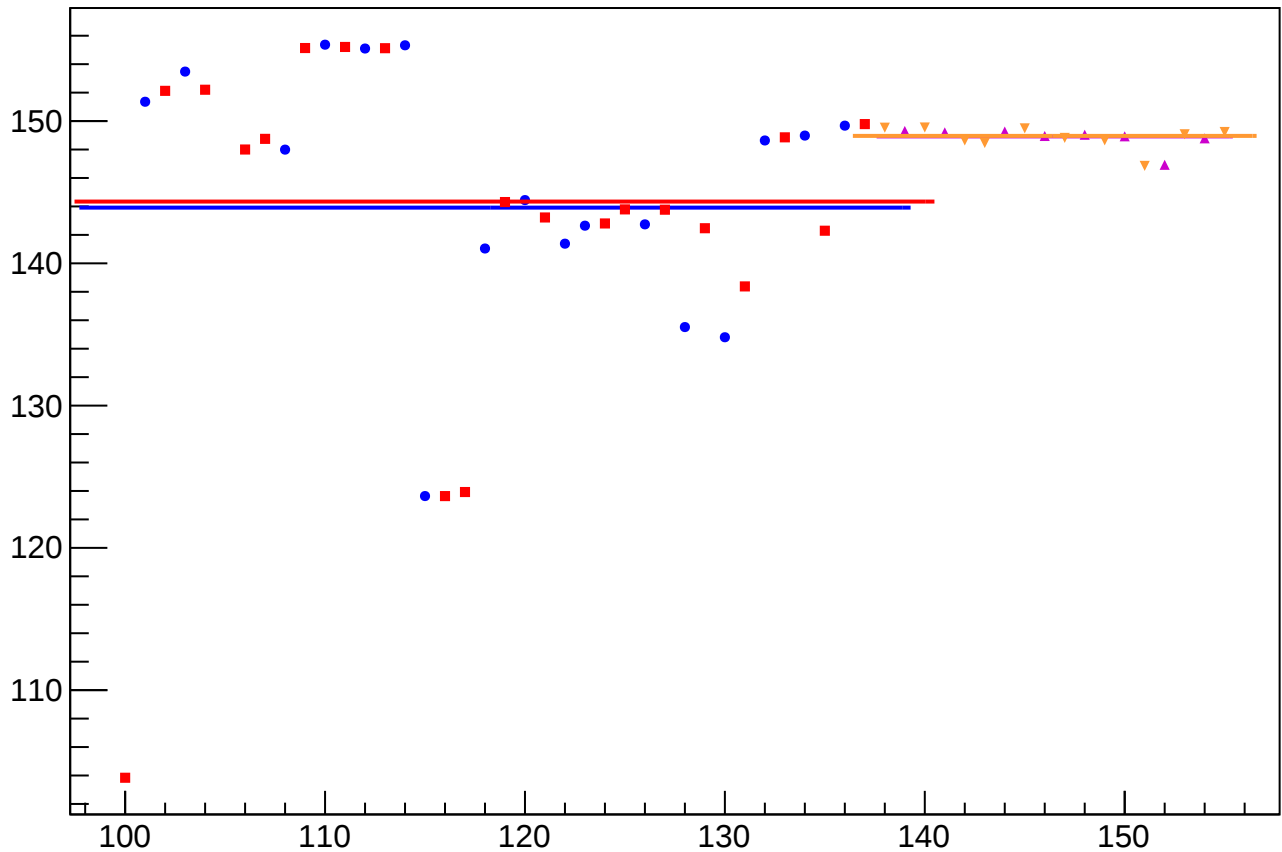
Right Out: 0.320 ± 0.000 χ^2/NDF : 1240600.2/19

Left In: 0.367 ± 0.000 χ^2/NDF : 442081.5/7

0.338 ± 0.000 χ^2/NDF : 1946941.1/26

0.341 ± 0.000 χ^2/NDF : 1792116.2/27

yield_bcm_an_ds3_mean vs Slug



Right In: 143.917 $\pm$ 0.000 χ^2 /NDF: 3584662767.5/16

Left Out: 148.959 $\pm$ 0.000 χ^2 /NDF:24780455.1/9

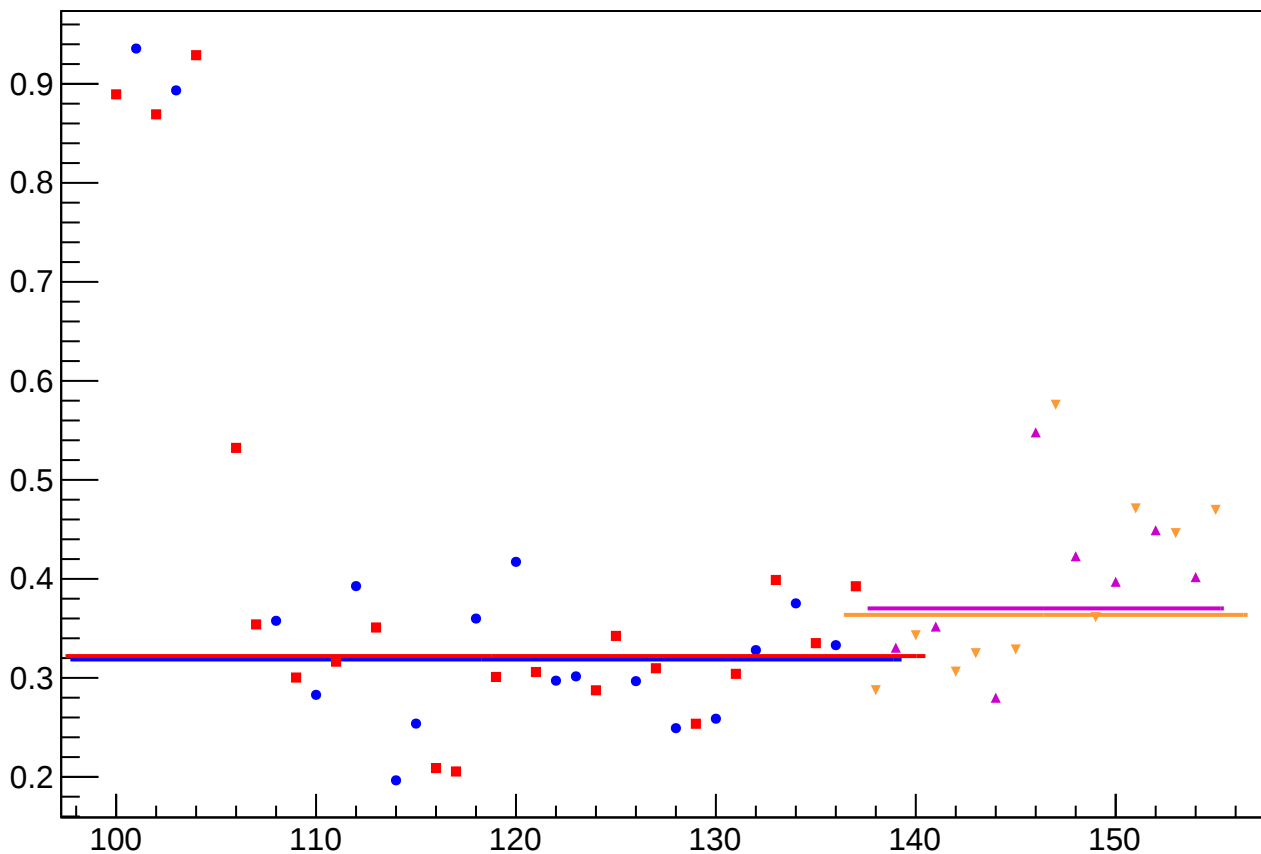
146.346 $\pm$ 0.000 χ^2 /NDF: 4283399041.1/26

Right Out: 144.342 $\pm$ 0.000 χ^2 /NDF: 4551365931.0/19

146.350 $\pm$ 0.000 χ^2 /NDF: 5091045756.3/27

Left In: 148.922 $\pm$ 0.000 χ^2 /NDF:18187745.2/7

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

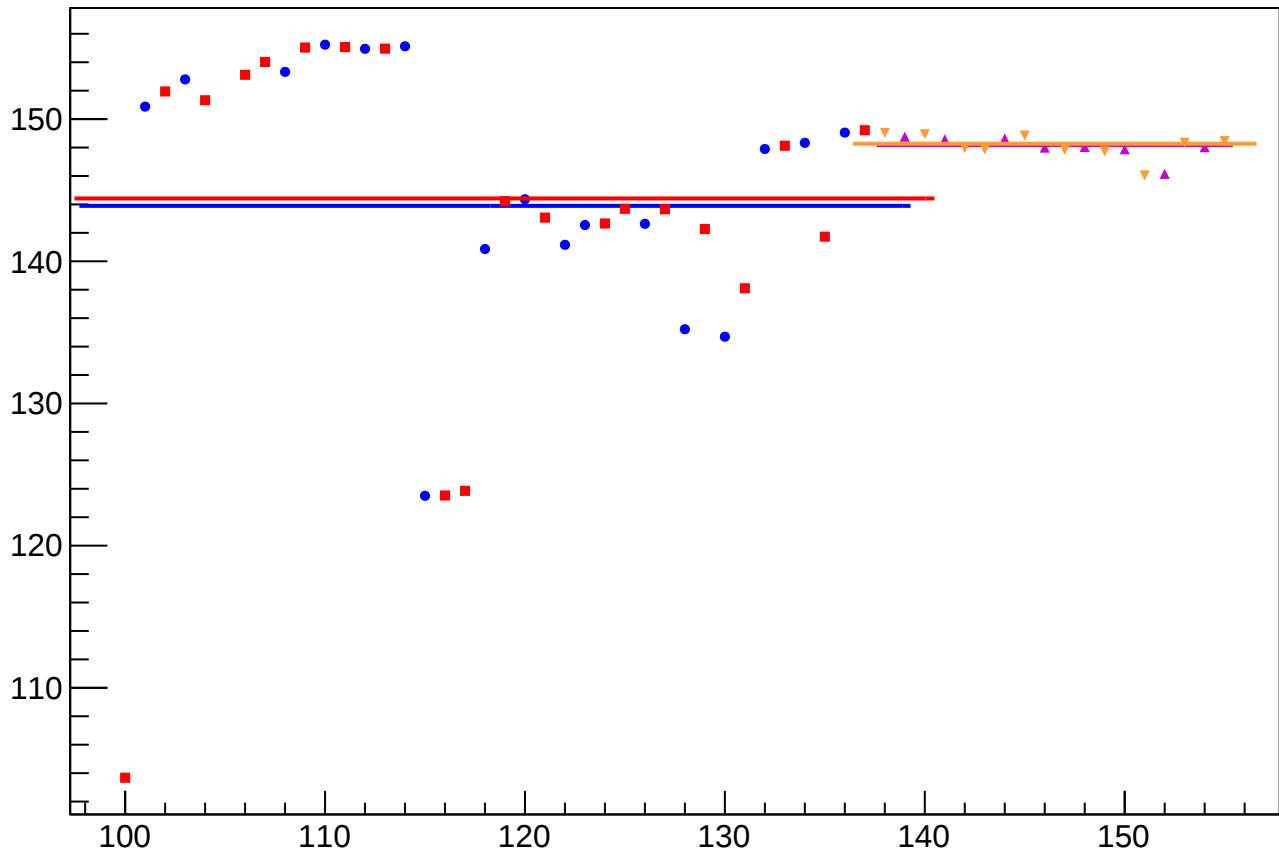
Right Out: 0.322+/-0.000 χ^2/NDF : 1243109.0/19

Left In: 0.370+/-0.000 χ^2/NDF : 452846.9/7

0.340+/-0.000 χ^2/NDF : 1965421.8/26

0.343+/-0.000 χ^2/NDF : 1811215.7/27

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

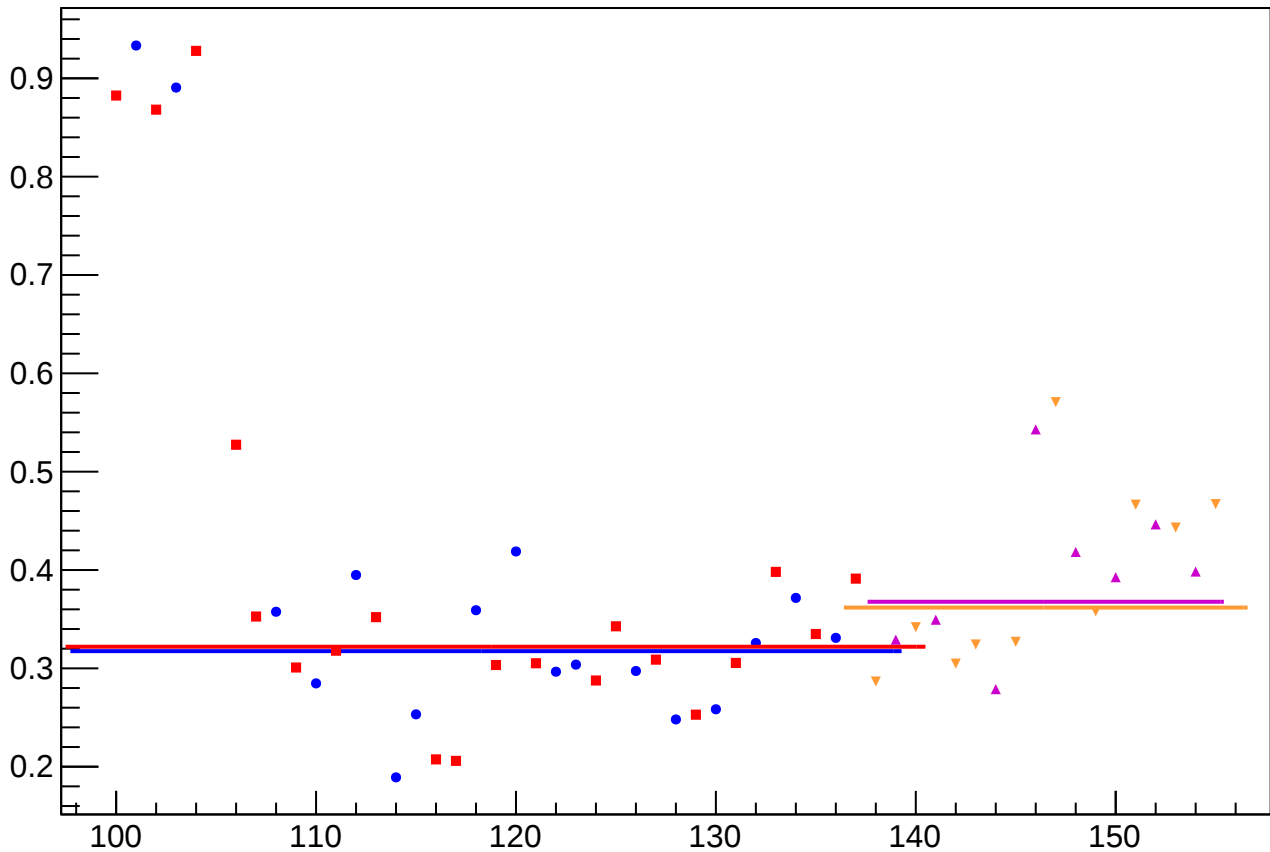
Right Out: 144.419 ± 0.000 χ^2/NDF : 4820290476.6/19

Left In: 148.169 ± 0.000 χ^2/NDF : 22197450.0/7

146.009 ± 0.000 χ^2/NDF : 4290936199.2/26

146.075 ± 0.000 χ^2/NDF : 5195044413.6/27

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

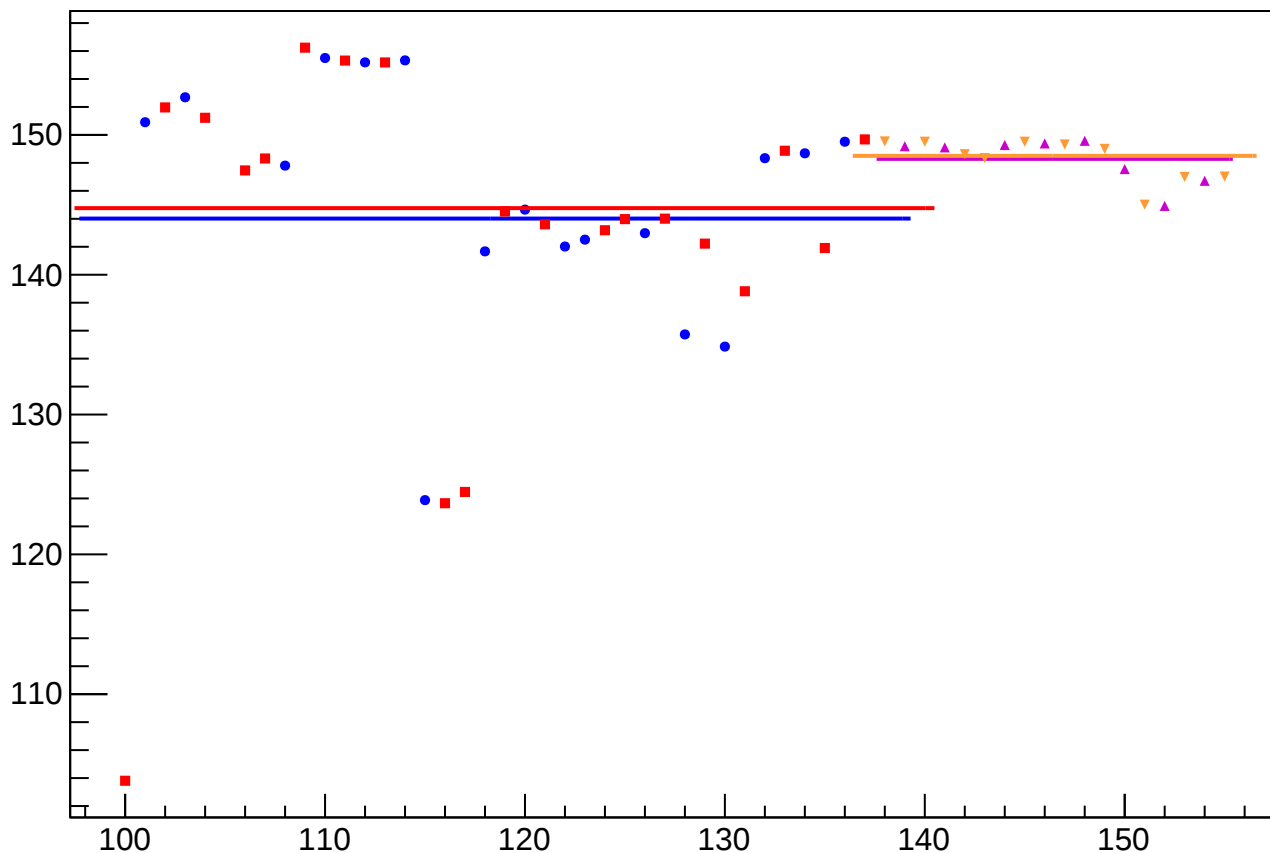
Right Out: 0.322+/-0.000 χ^2/NDF : 1243703.4/19

Left In: 0.368+/-0.000 χ^2/NDF : 444193.3/7

0.339+/-0.000 χ^2/NDF : 1965958.2/26

0.342+/-0.000 χ^2/NDF : 1792721.2/27

yield_bcm_dg_us_mean vs Slug



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

Left Out: 148.504 $\pm$ 0.000 χ^2 /NDF: 80847038.3/9

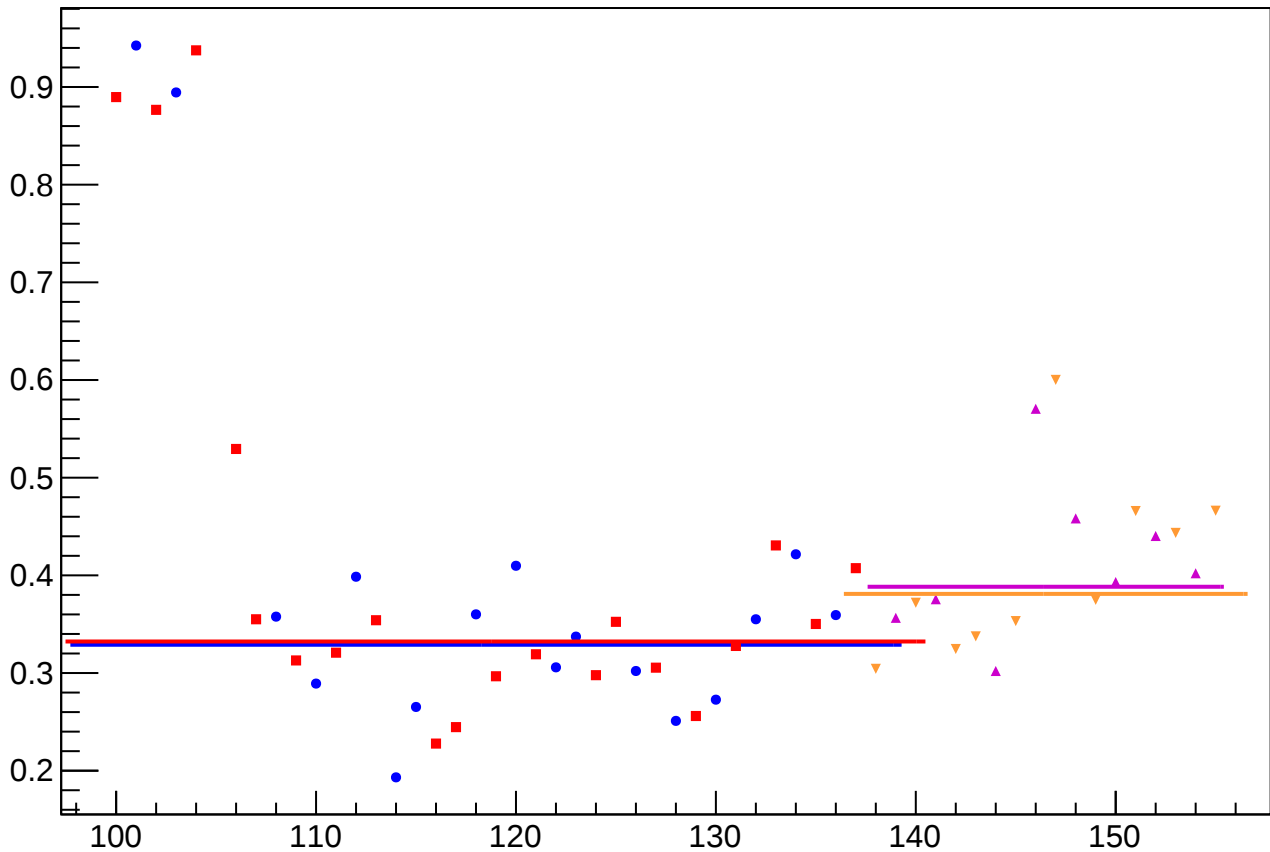
Right Out: 144.764 $\pm$ 0.000 χ^2 /NDF: 4098462011.9/19

Left In: 148.288 $\pm$ 0.000 χ^2 /NDF: 86651486.9/7

146.152 $\pm$ 0.000 χ^2 /NDF: 3811434768.0/26

146.283 $\pm$ 0.000 χ^2 /NDF: 4470615730.0/27

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

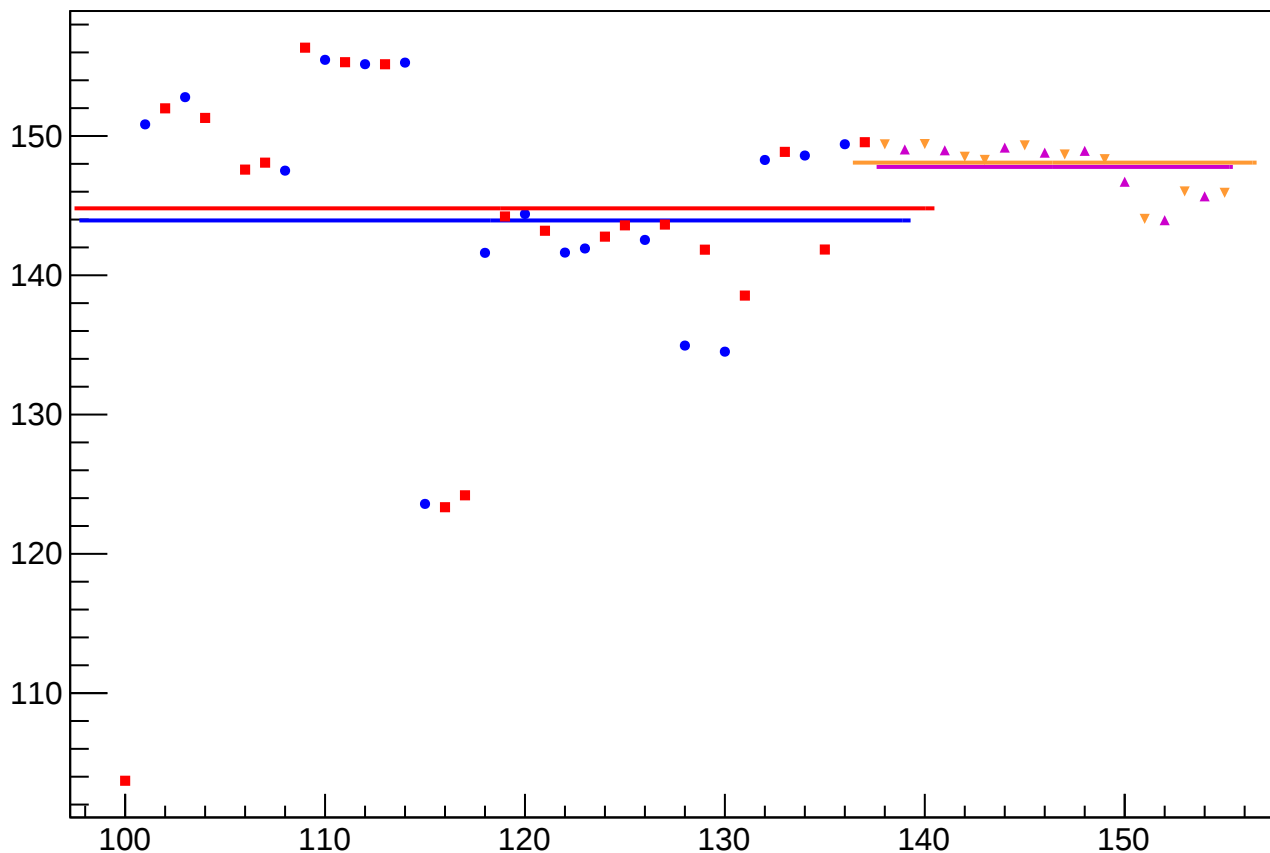
0.354+/-0.000 χ^2/NDF : 1879636.2/26

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

0.356+/-0.000 χ^2/NDF : 1702375.9/27

Left In: 0.388+/-0.000 χ^2/NDF : 366354.3/7

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

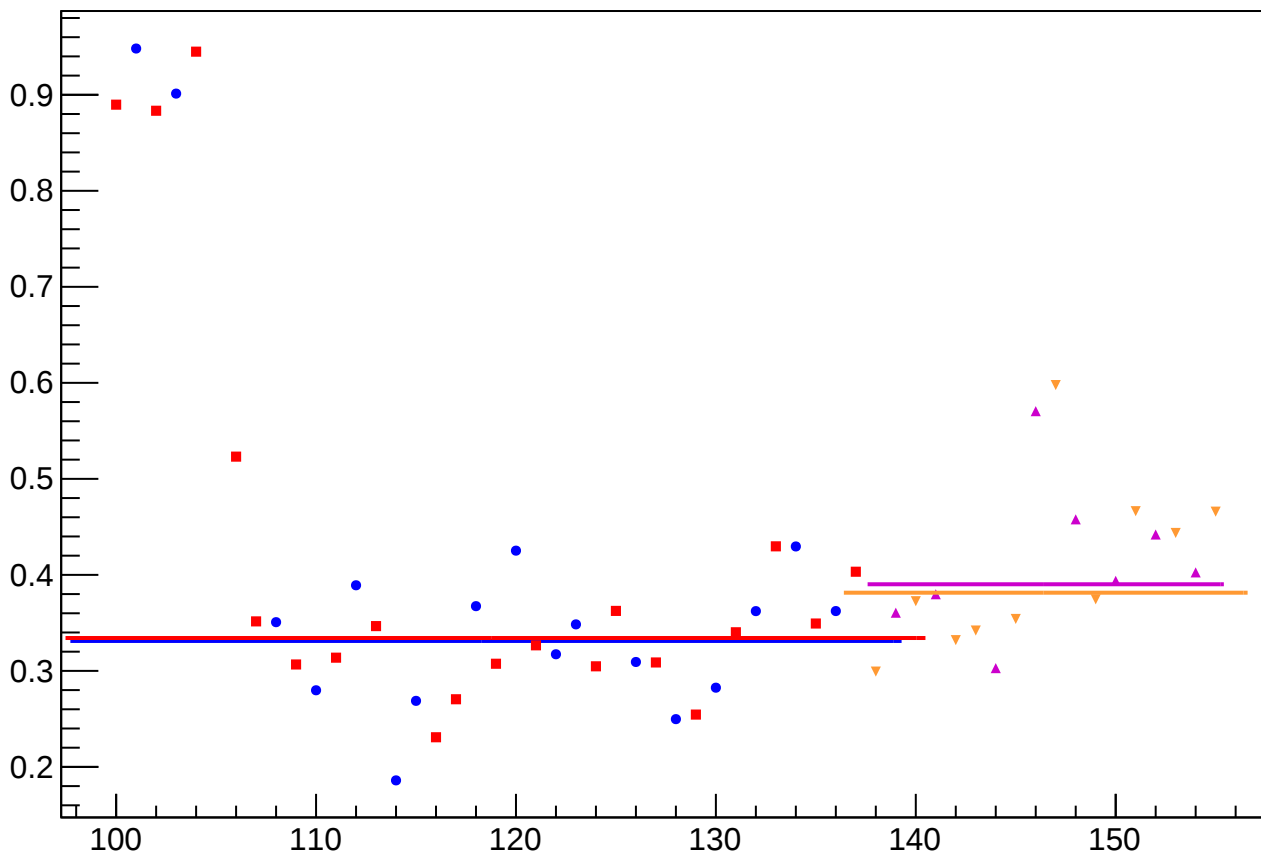
Right Out: 144.806 ± 0.000 χ^2/NDF : 4139087143.3/19

Left In: 147.780 ± 0.000 χ^2/NDF : 127089505.4/7

145.925 ± 0.000 χ^2/NDF : 3918867917.3/26

146.089 ± 0.000 χ^2/NDF : 4466967652.6/27

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

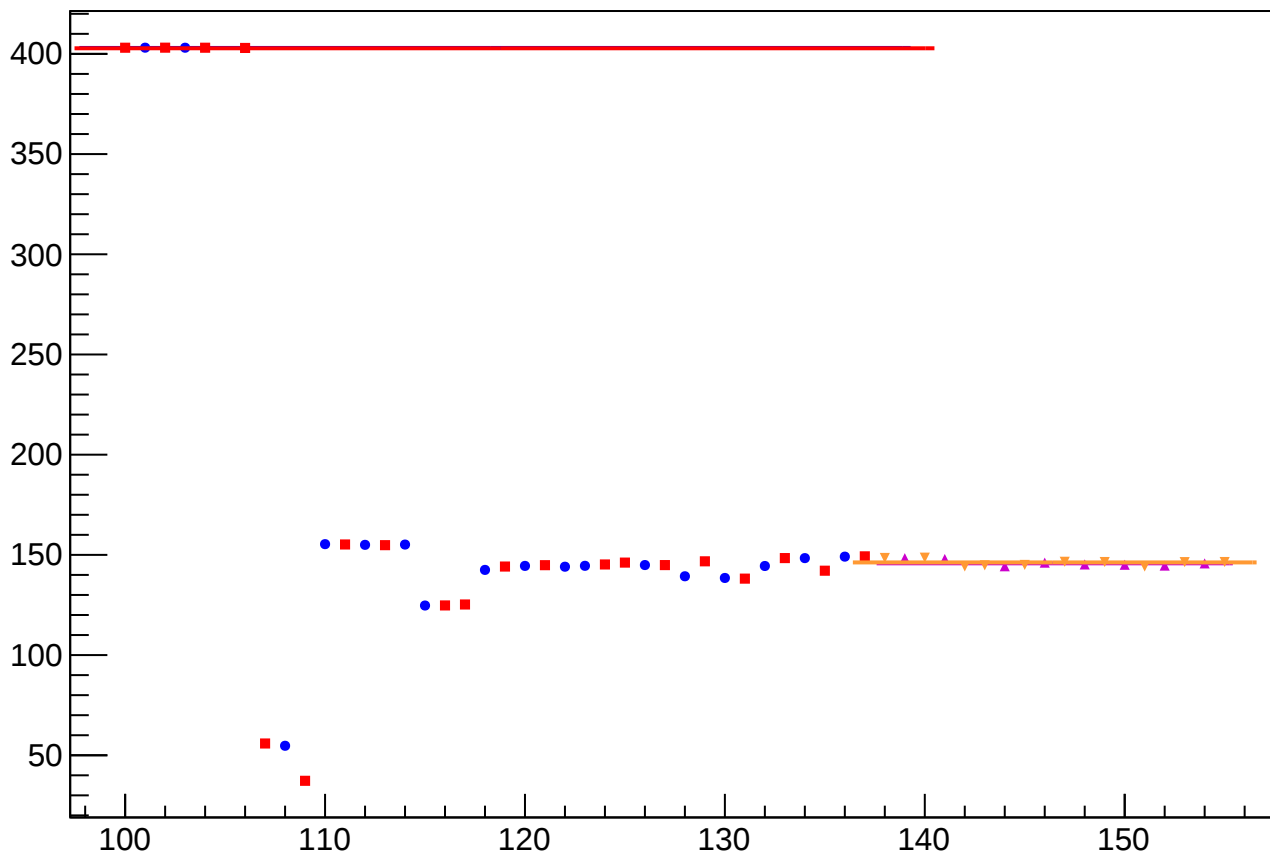
Right Out: 0.334+/-0.000 χ^2/NDF : 1176170.4/19

Left In: 0.390+/-0.000 χ^2/NDF : 358758.3/7

0.355+/-0.000 χ^2/NDF : 1888701.2/26

0.358+/-0.000 χ^2/NDF : 1677162.1/27

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

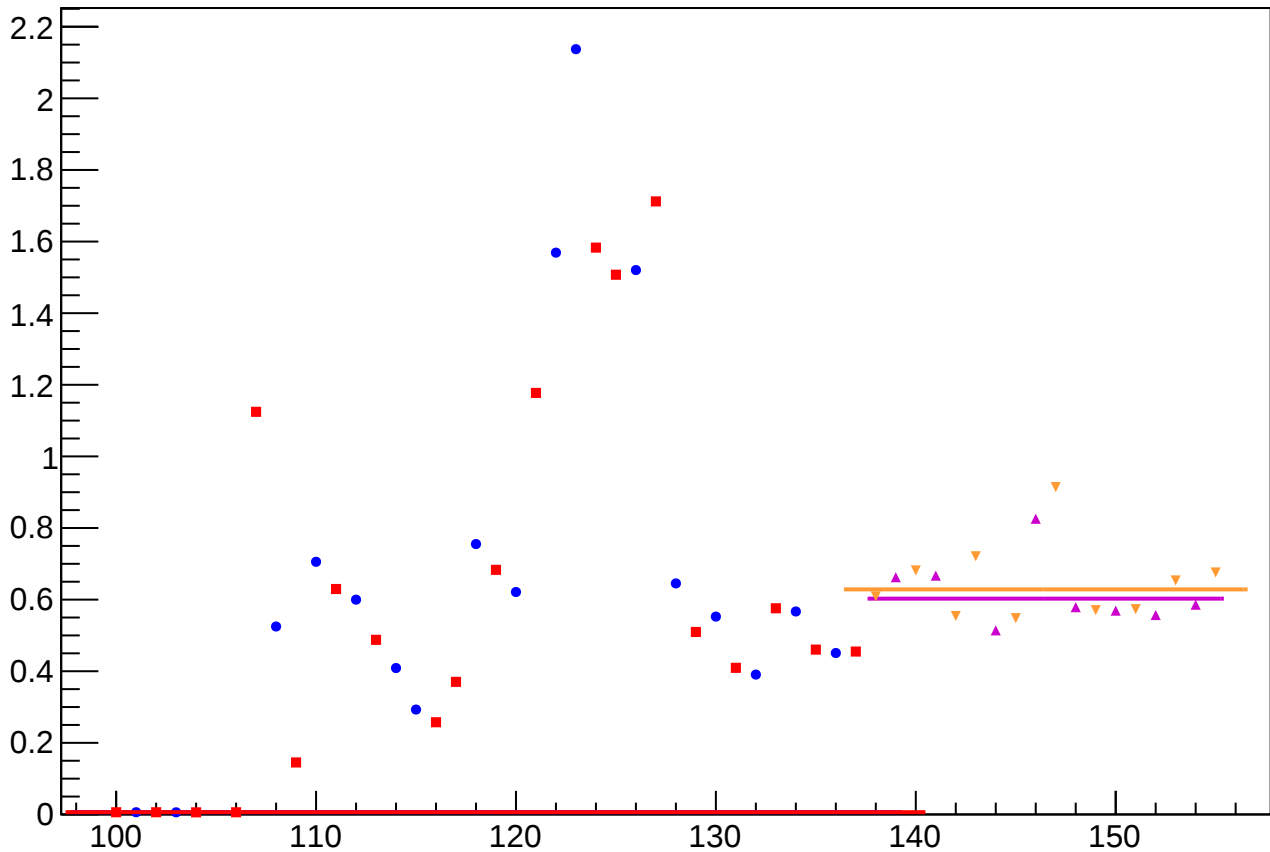
Right Out: 402.797+/-0.000 χ^2/NDF : 3122752044607.2/19

Left In: 145.789+/-0.000 χ^2/NDF : 23299583.6/7

402.857+/-0.000 χ^2/NDF : 1898141183506.0/20

402.710+/-0.000 χ^2/NDF : 3909092739875.3/27

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

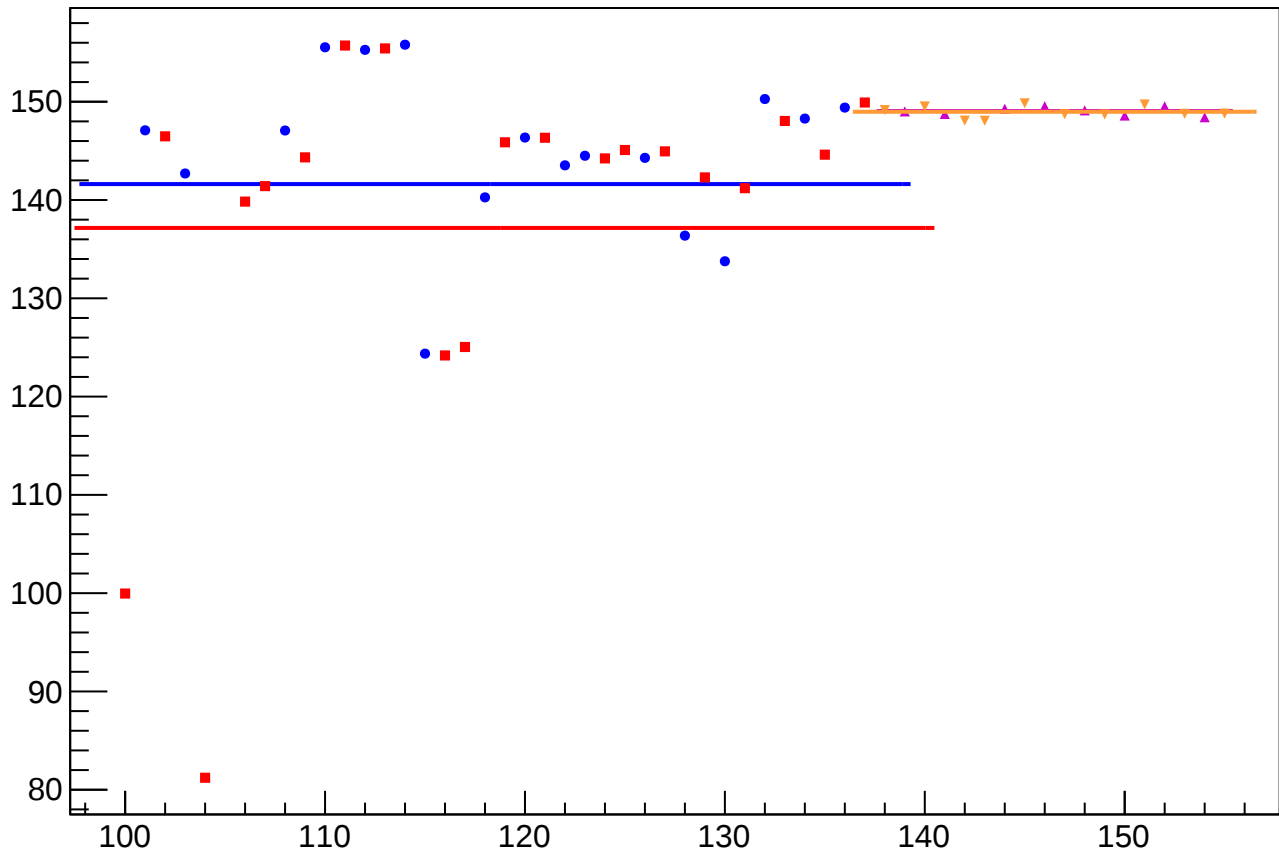
0.007+/-0.000 χ^2/NDF : 18752243.2/26

Right Out: 0.006+/-0.000 χ^2/NDF : 9277290.2/19

0.007+/-0.000 χ^2/NDF : 17889207.2/27

Left In: 0.603+/-0.000 χ^2/NDF :143185.1/7

yield_cav4cQ_mean vs Slug



Right In: 141.622+/-0.000 χ^2/NDF : 982037737.7/16

Left Out: 148.980+/-0.000 χ^2/NDF : 8504536.5/9

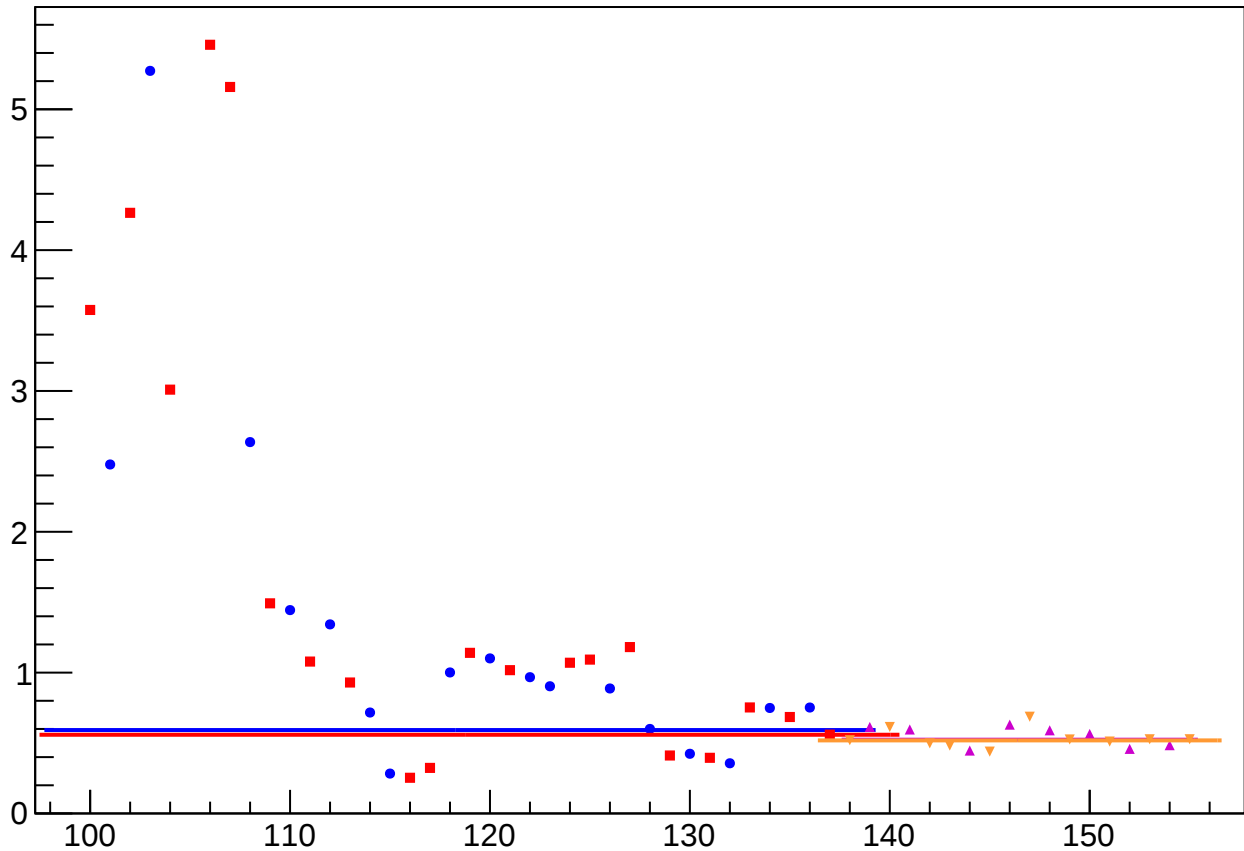
146.724+/-0.000 χ^2/NDF : 1370428064.9/26

Right Out: 137.160+/-0.000 χ^2/NDF : 1365742338.8/19

144.840+/-0.000 χ^2/NDF : 2369538541.2/27

Left In: 149.051+/-0.000 χ^2/NDF : 3572753.2/7

yield_cav4cQ_rms vs Slug



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3521577.2/16

Left Out: 0.519 $\pm$ 0.000 χ^2 /NDF:163834.6/9

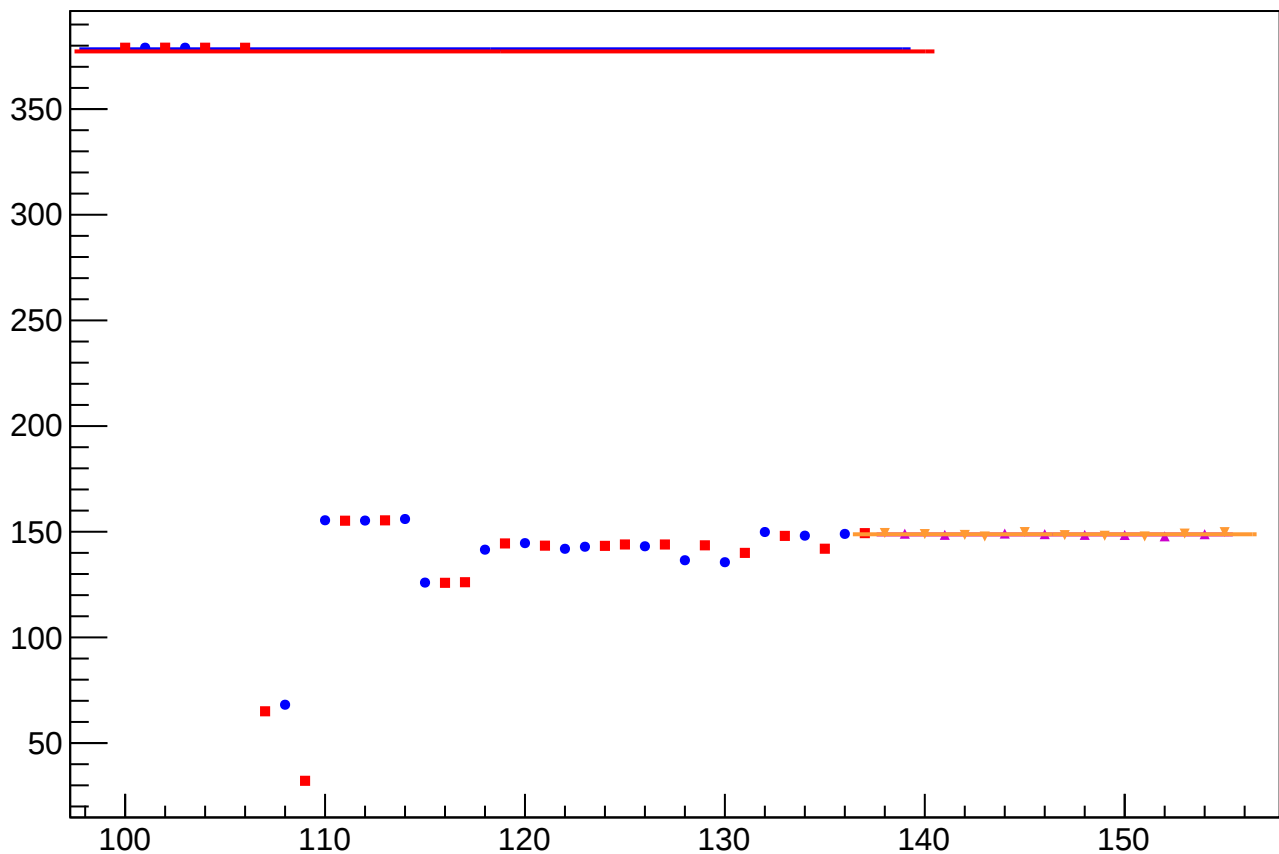
0.541 $\pm$ 0.000 χ^2 /NDF: 3761182.5/26

Right Out: 0.559 $\pm$ 0.000 χ^2 /NDF: 4719868.1/19

0.536 $\pm$ 0.000 χ^2 /NDF: 4928049.9/27

Left In: 0.524 $\pm$ 0.000 χ^2 /NDF:190733.7/7

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

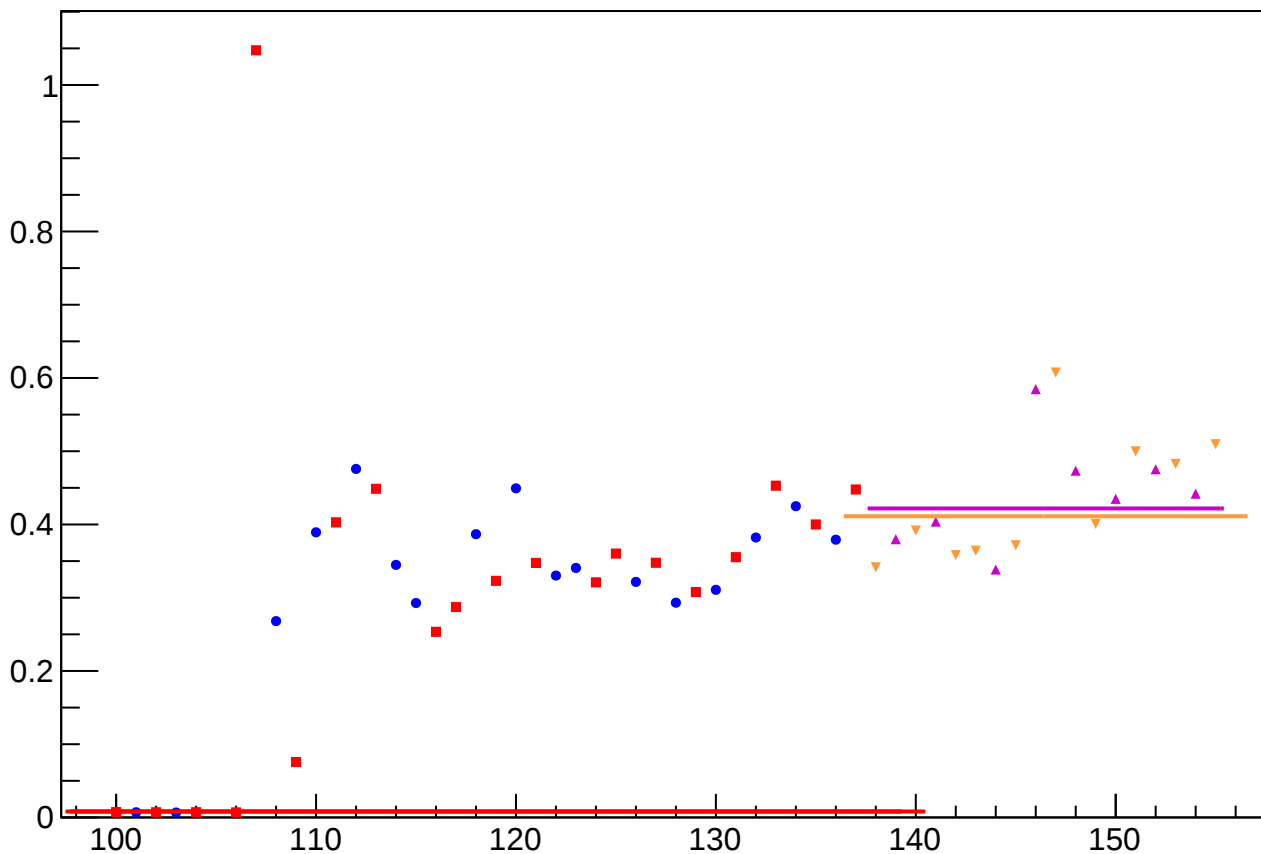
Right Out: 377.282+/-0.000 χ^2/NDF : 8306405788315.4/19

Left In: 148.716+/-0.000 χ^2/NDF : 5253853.8/7

377.582+/-0.000 χ^2/NDF : 4649144183584.5/20

376.760+/-0.000 χ^2/NDF : 10119696387992.3/20

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

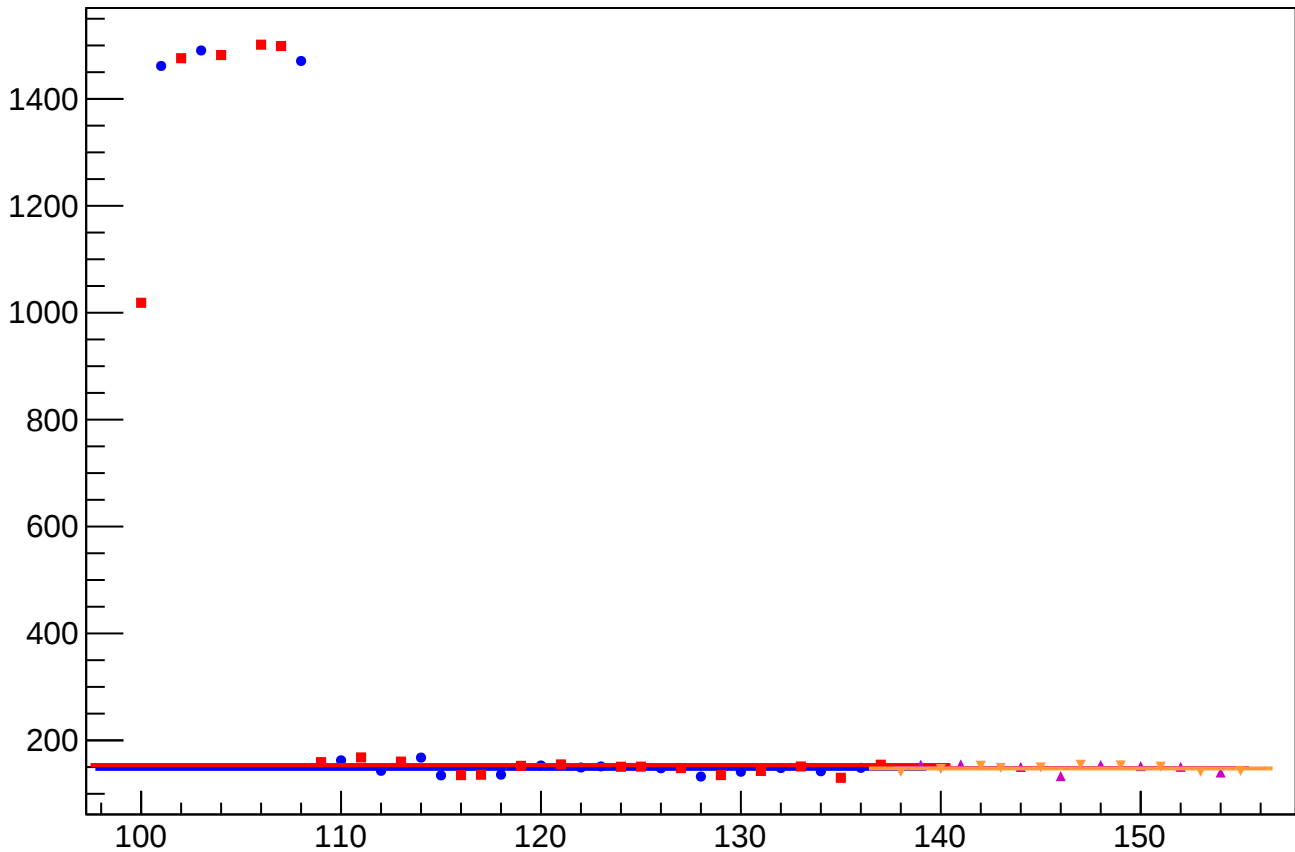
Right Out: 0.008+/-0.000 χ^2/NDF : 9601959.4/19

Left In: 0.422+/-0.000 χ^2/NDF : 288342.1/7

0.009+/-0.000 χ^2/NDF : 23484954.5/26

0.009+/-0.000 χ^2/NDF : 21771482.5/27

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

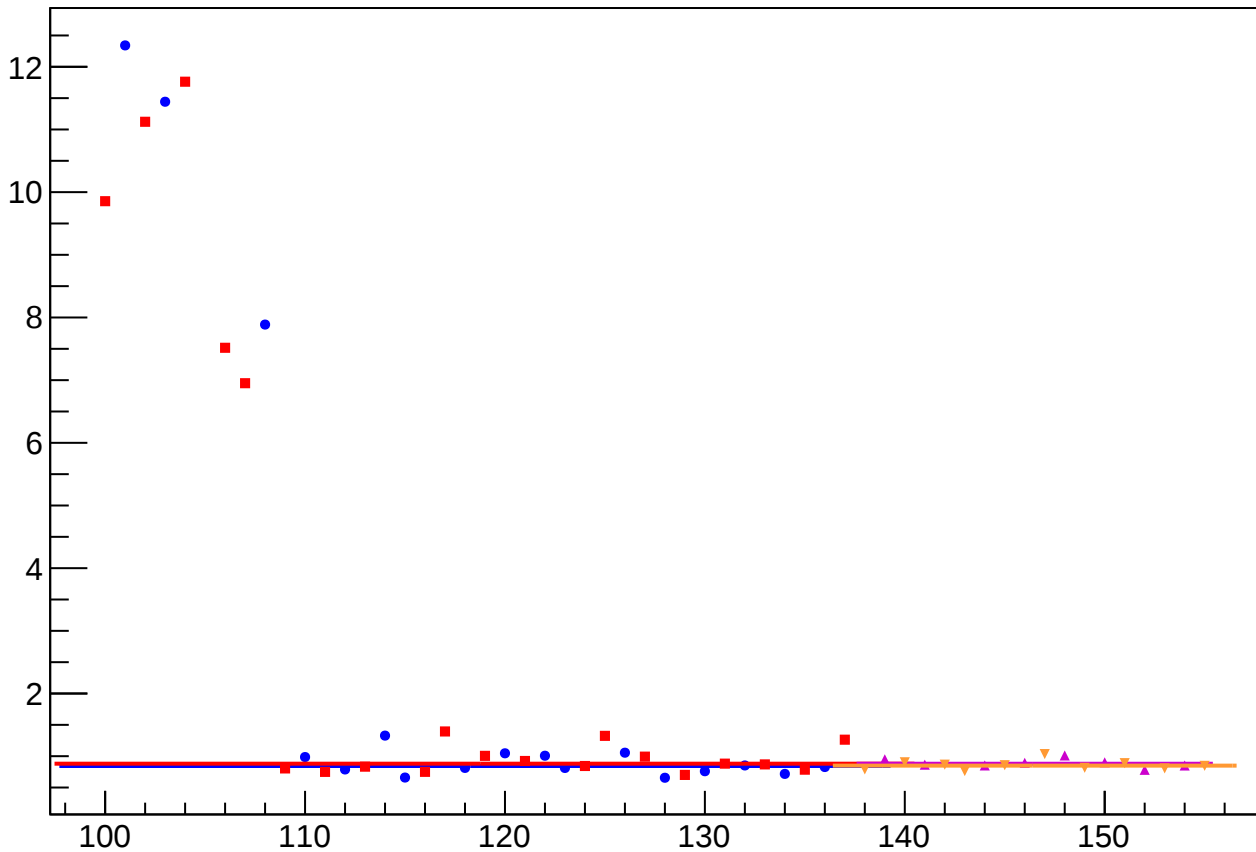
147.160+/-0.000 χ^2/NDF : 24535137244.6/26

Right Out: 153.818+/-0.000 χ^2/NDF : 33744777744.4/19

150.726+/-0.000 χ^2/NDF : 34198408977.0/27

Left In: 148.278+/-0.000 χ^2/NDF : 362664146.8/7

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

0.847+/-0.000 χ^2/NDF : 2744955.6/26

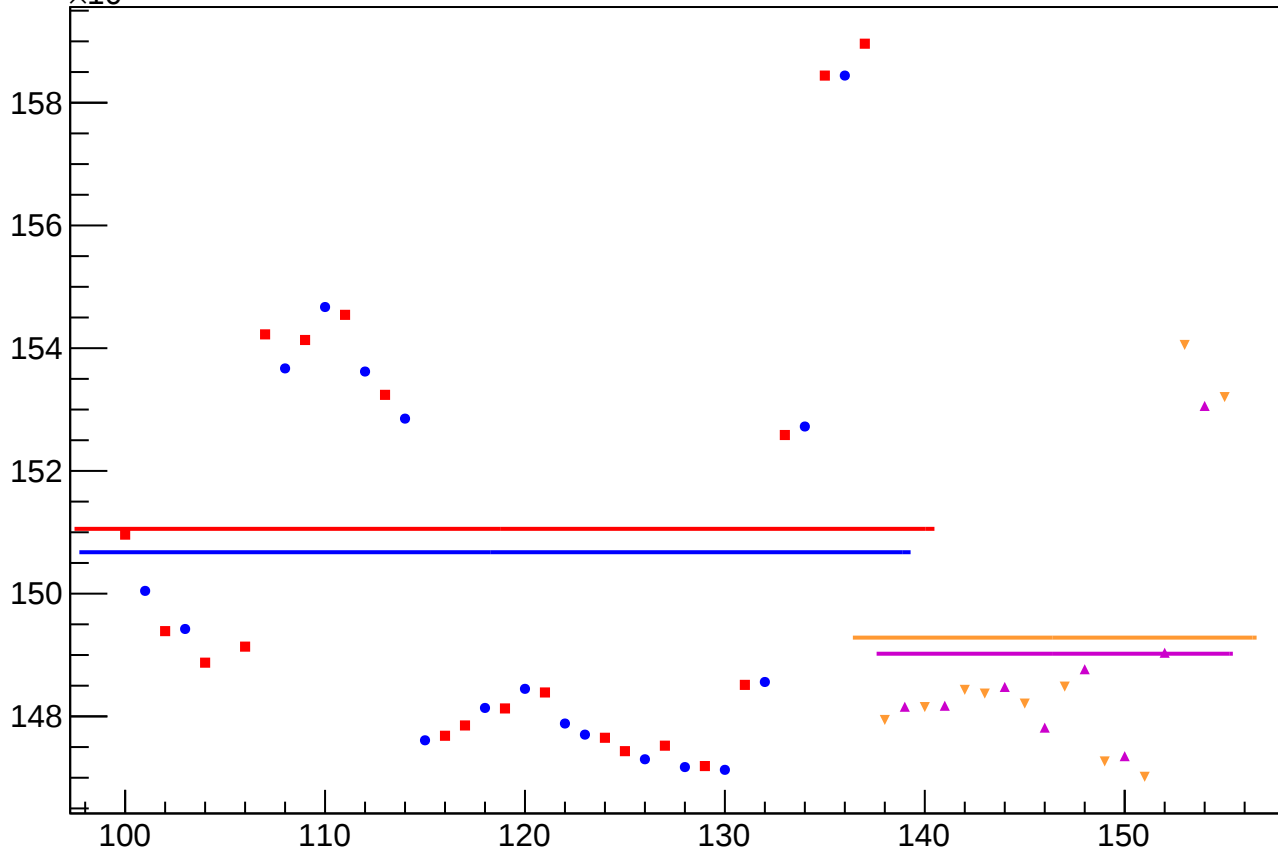
Right Out: 0.880+/-0.000 χ^2/NDF : 2823230.1/19

0.880+/-0.000 χ^2/NDF : 2878344.3/27

Left In: 0.879+/-0.000 χ^2/NDF : 55109.3/7

yield_bpm0i01WS_mean vs Slug

$\times 10^3$



Right In: 150675.025 $\pm$ 0.063 χ^2 /NDF: 3309974859.4/16

Left Out: 149283.408 $\pm$ 0.069 χ^2 /NDF:1288060659.0/9

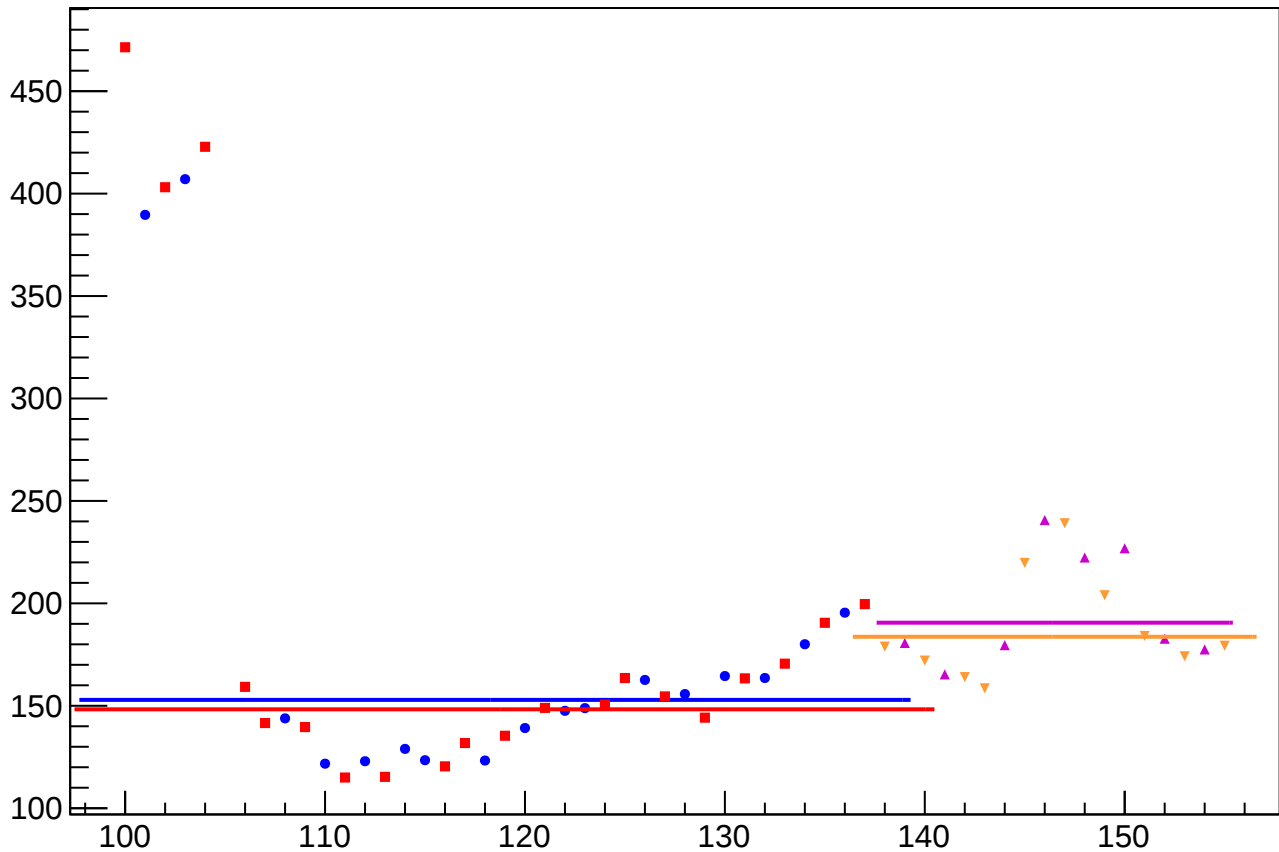
Right Out: 151056.044 $\pm$ 0.059 χ^2 /NDF: 3325519080.9/19

Left In: 149021.023 $\pm$ 0.076 χ^2 /NDF:540245843.3/7

150039.906 $\pm$ 0.046 χ^2 /NDF: 4820994530.8/20

150279.624 $\pm$ 0.047 χ^2 /NDF: 4312974310.7/27

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

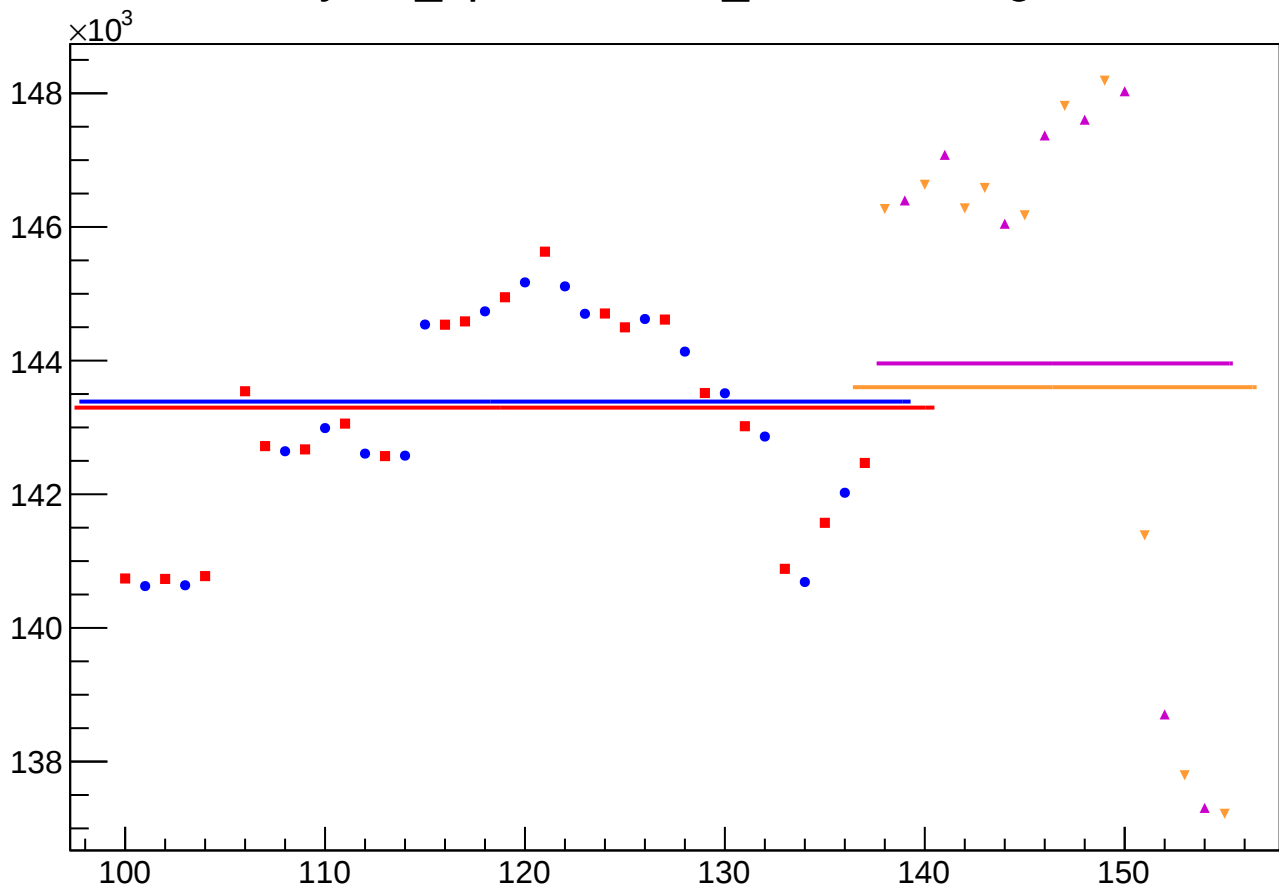
166.944+/-0.033 χ^2/NDF : 1572078.8/26

Right Out: 148.278+/-0.042 χ^2/NDF : 1192879.8/19

164.412+/-0.033 χ^2/NDF : 1785322.0/27

Left In: 190.565+/-0.054 χ^2/NDF :206234.0/7

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

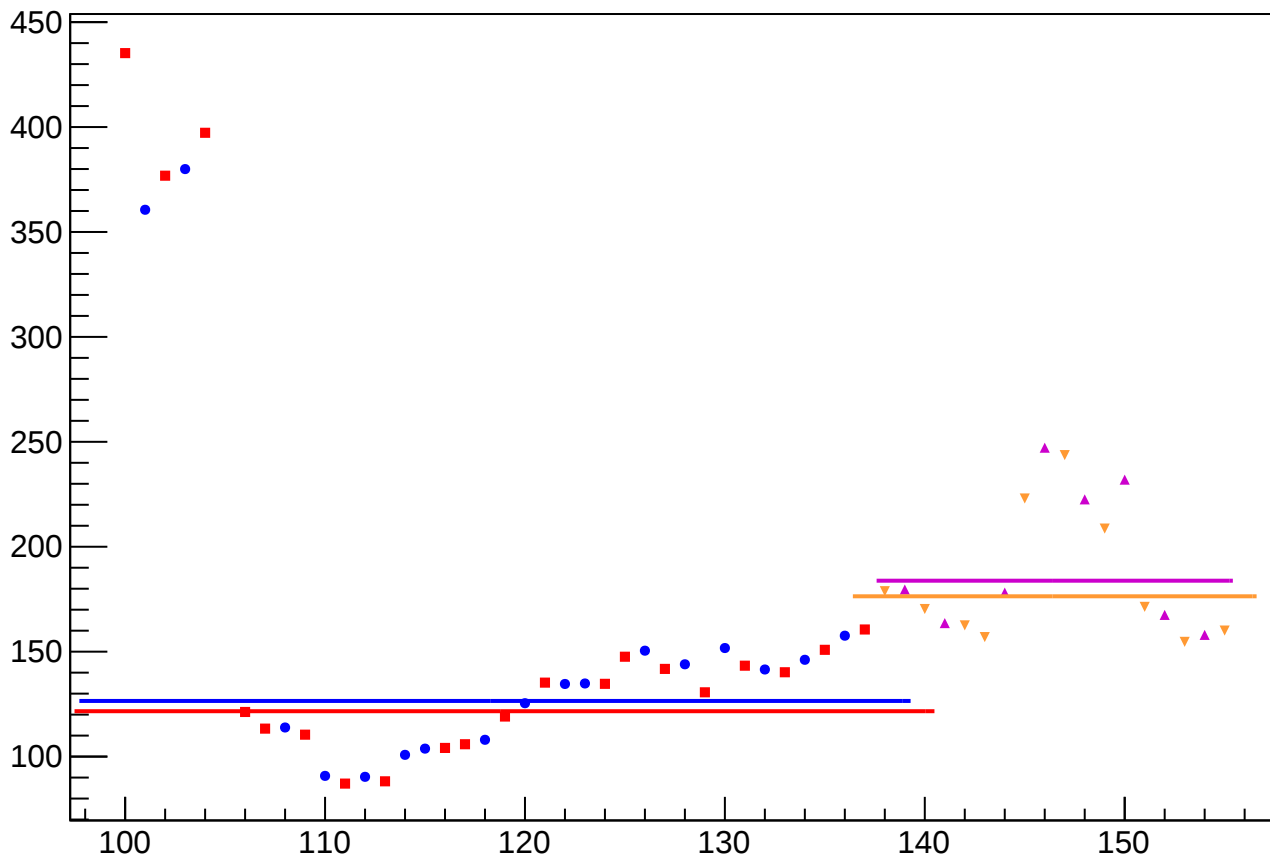
Right Out: 143296.790 $\pm$ 0.049 χ^2 /NDF: 615134284.0/19

Left In: 143957.840 $\pm$ 0.073 χ^2 /NDF: 3430329349.5/7

143470.454 $\pm$ 0.041 χ^2 /NDF: 4444715920.4/26

143499.780 $\pm$ 0.041 χ^2 /NDF: 4101641624.5/27

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 $\pm$ 0.037 χ^2 /NDF: 1441685.0/16

Left Out: 176.383 $\pm$ 0.047 χ^2 /NDF:299417.5/9

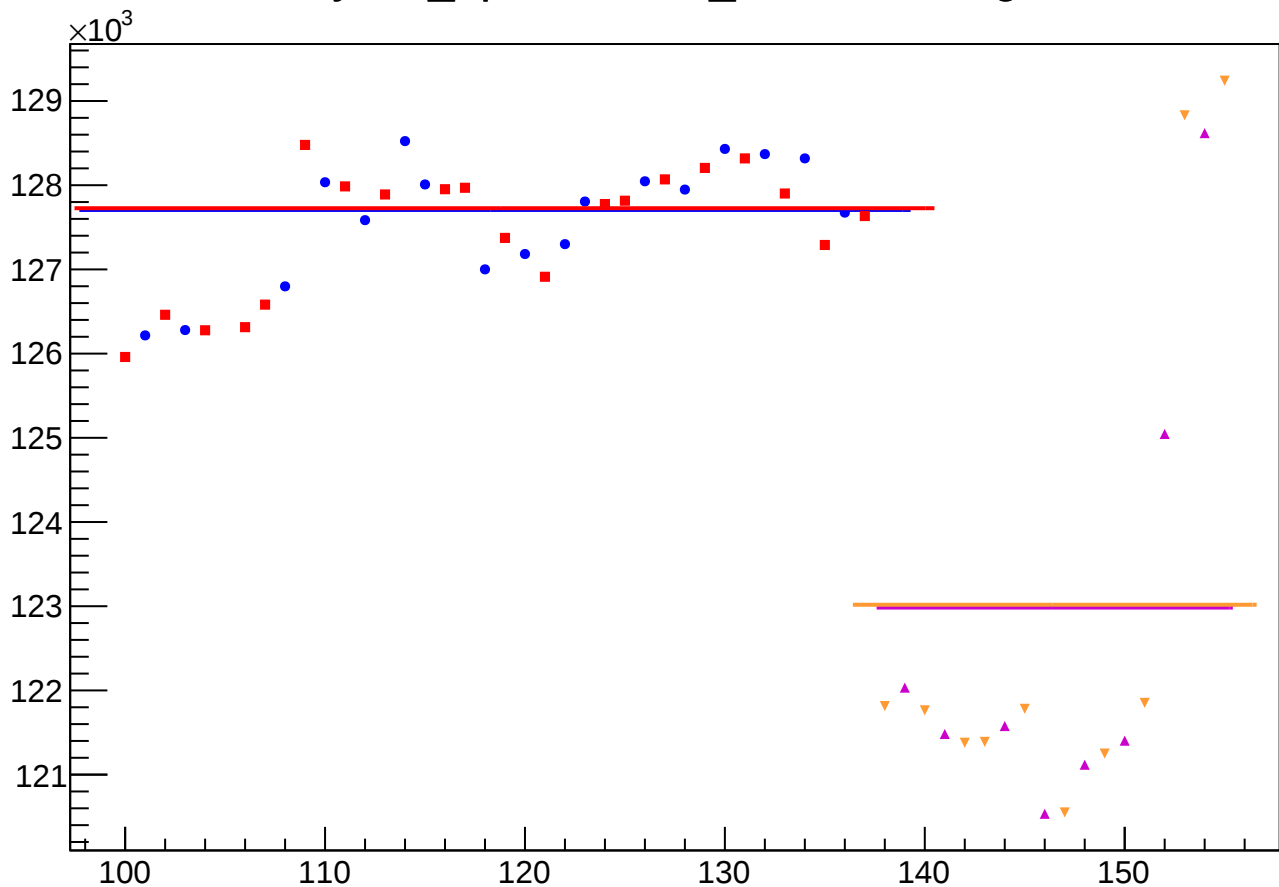
145.829 $\pm$ 0.029 χ^2 /NDF: 2434120.5/26

Right Out: 121.625 $\pm$ 0.035 χ^2 /NDF: 1465763.8/19

140.723 $\pm$ 0.029 χ^2 /NDF: 2772322.6/27

Left In: 183.818 $\pm$ 0.052 χ^2 /NDF:312055.7/7

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

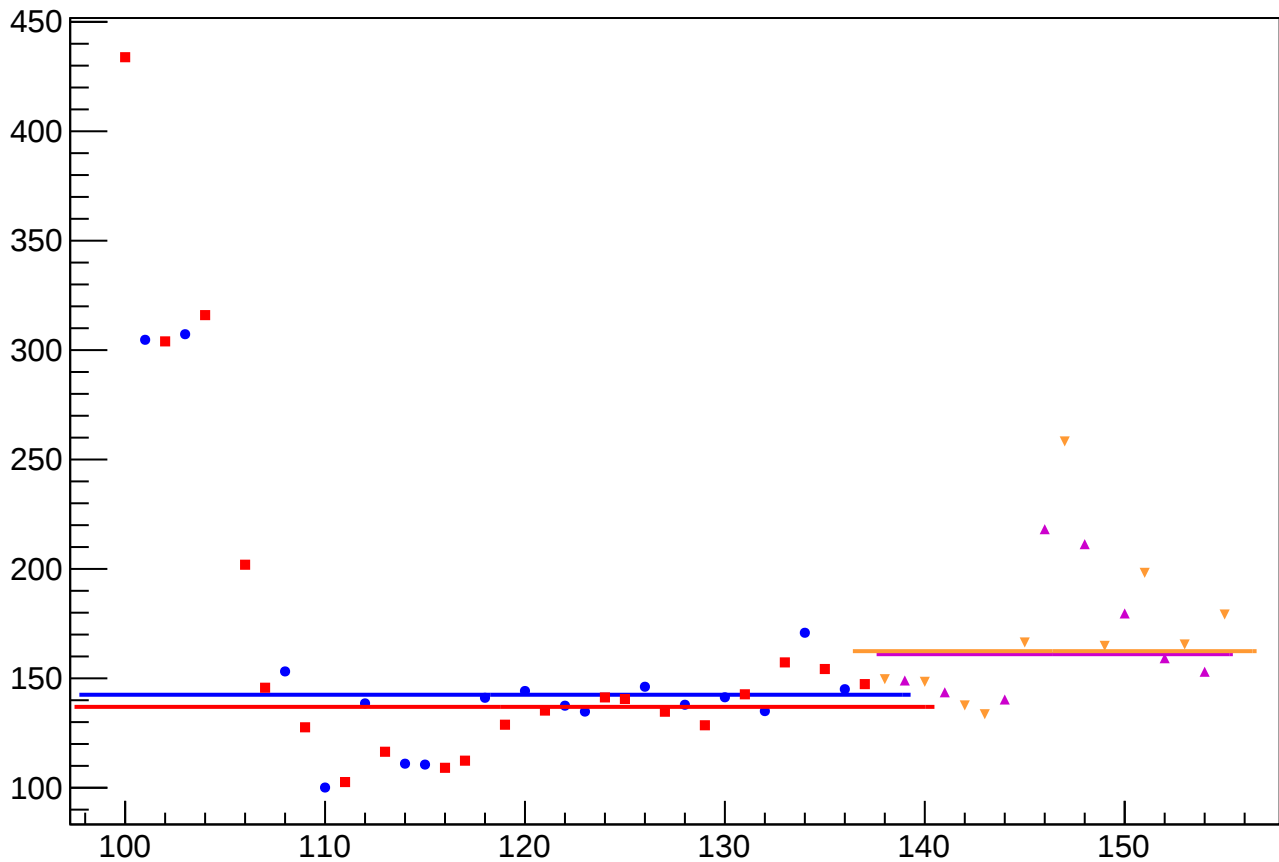
Right Out: 127726.708 $\pm$ 0.054 χ^2 /NDF: 112816704.3/19

Left In: 122984.228 $\pm$ 0.065 χ^2 /NDF: 1671284434.9/7

125509.067 $\pm$ 0.042 χ^2 /NDF: 5494993208.3/20

125767.174 $\pm$ 0.042 χ^2 /NDF: 4941288425.1/27

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 ± 0.041 χ^2/NDF : 836263.7/16

Left Out: 162.421 ± 0.044 χ^2/NDF : 387619.6/9

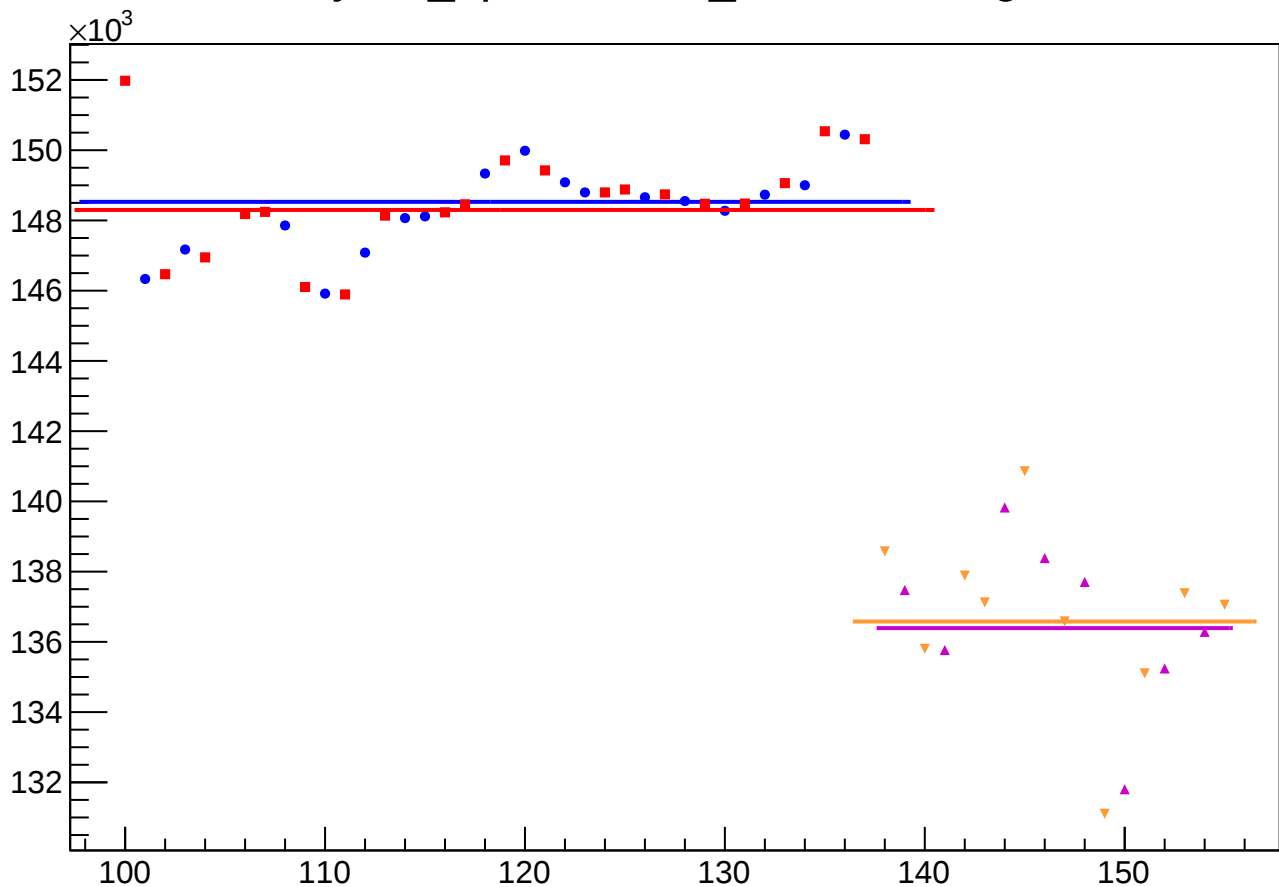
Right Out: 136.963 ± 0.038 χ^2/NDF : 961465.0/19

Left In: 161.039 ± 0.046 χ^2/NDF : 286347.3/7

151.836 ± 0.030 χ^2/NDF : 1334202.5/26

146.911 ± 0.029 χ^2/NDF : 1410544.7/27

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

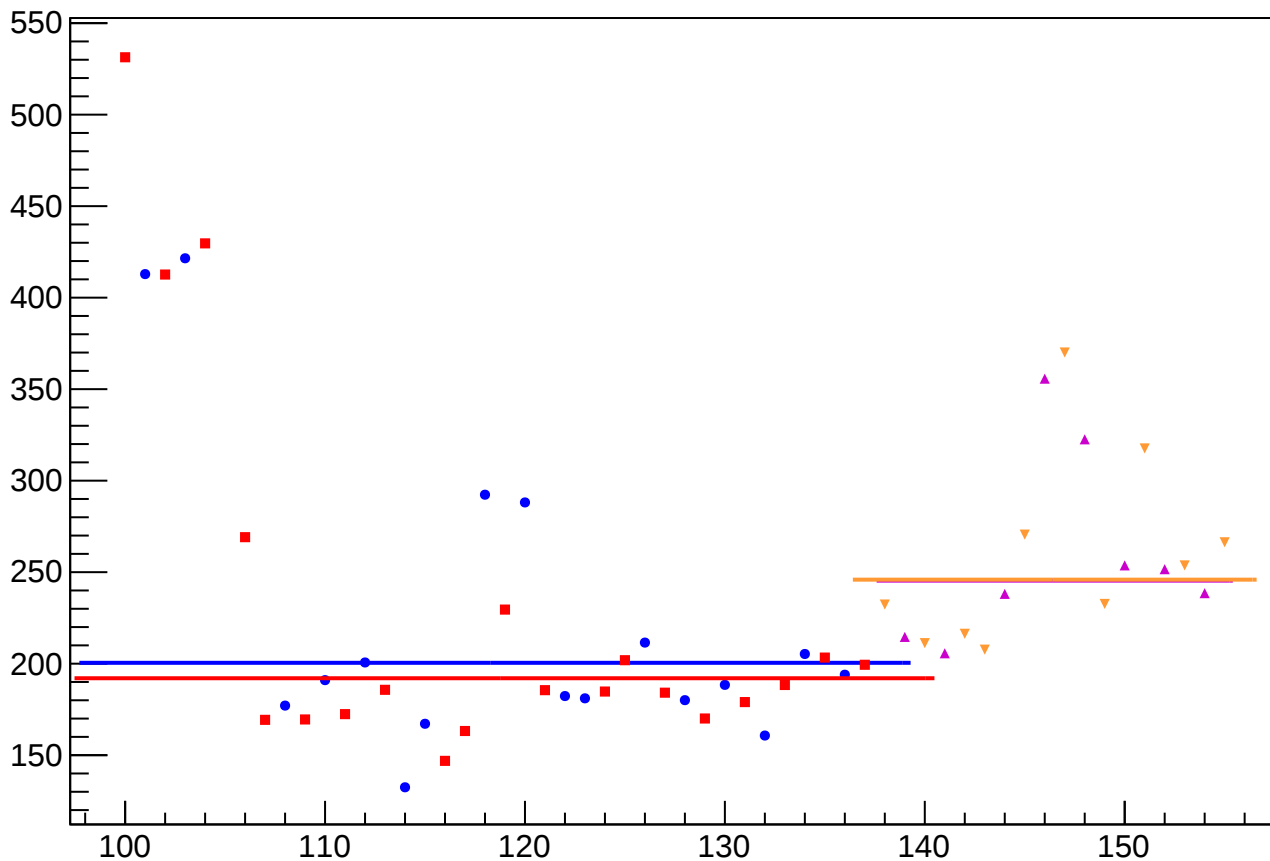
Right Out: 148298.586 $\pm$ 0.076 χ^2 /NDF: 293284830.9/19

Left In: 136391.542 $\pm$ 0.098 χ^2 /NDF: 532860794.6/7

143302.085 $\pm$ 0.062 χ^2 /NDF: 10219834637.1/2

143839.842 $\pm$ 0.060 χ^2 /NDF: 10002339505.2/2

yield_bpm0l02WS_rms vs Slug



Right In: 200.472+/-0.058 χ^2/NDF : 936547.2/16

Left Out: 245.910+/-0.066 χ^2/NDF : 386410.9/9

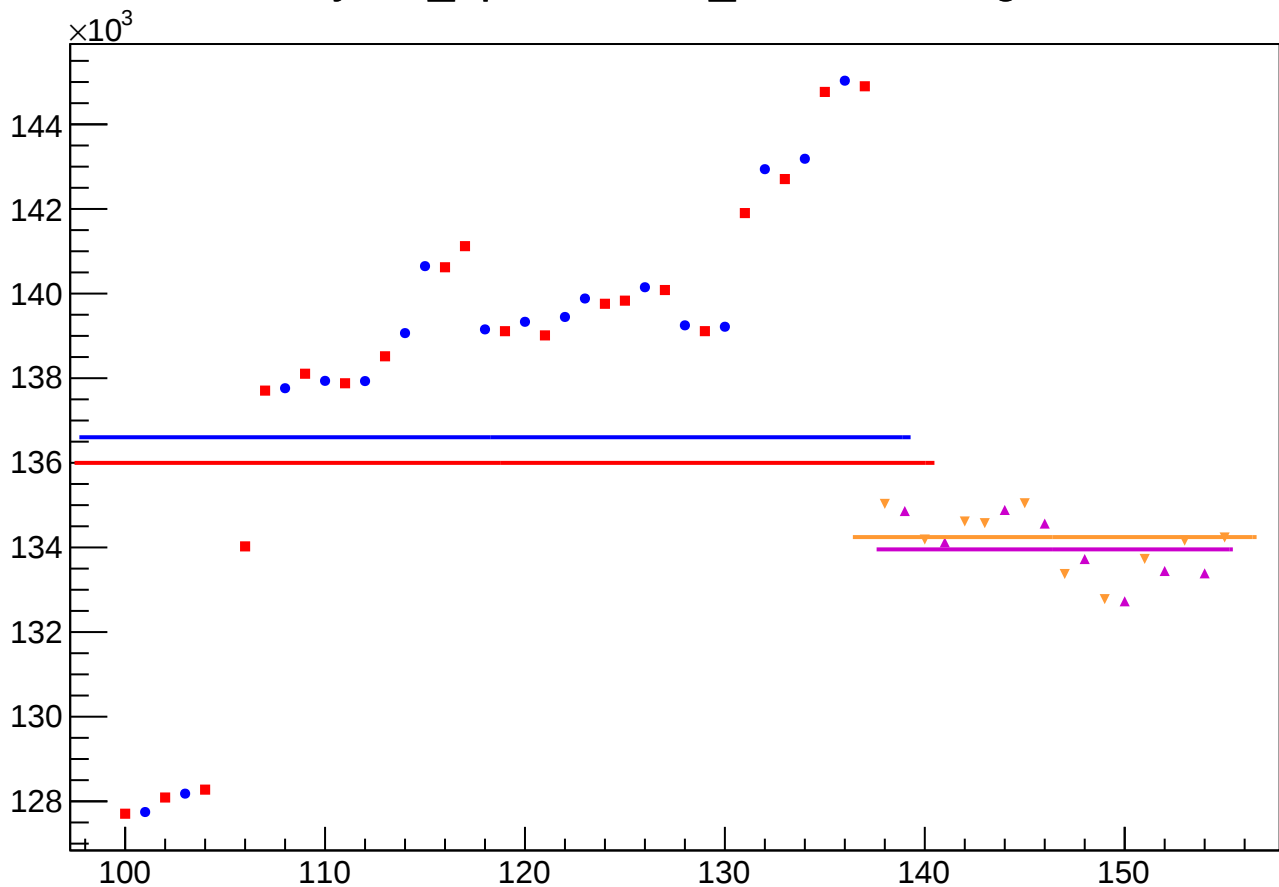
Right Out: 192.040+/-0.054 χ^2/NDF : 847133.0/19

Left In: 245.376+/-0.070 χ^2/NDF : 334079.7/7

220.348+/-0.044 χ^2/NDF : 1591116.3/26

212.012+/-0.043 χ^2/NDF : 1549439.5/27

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

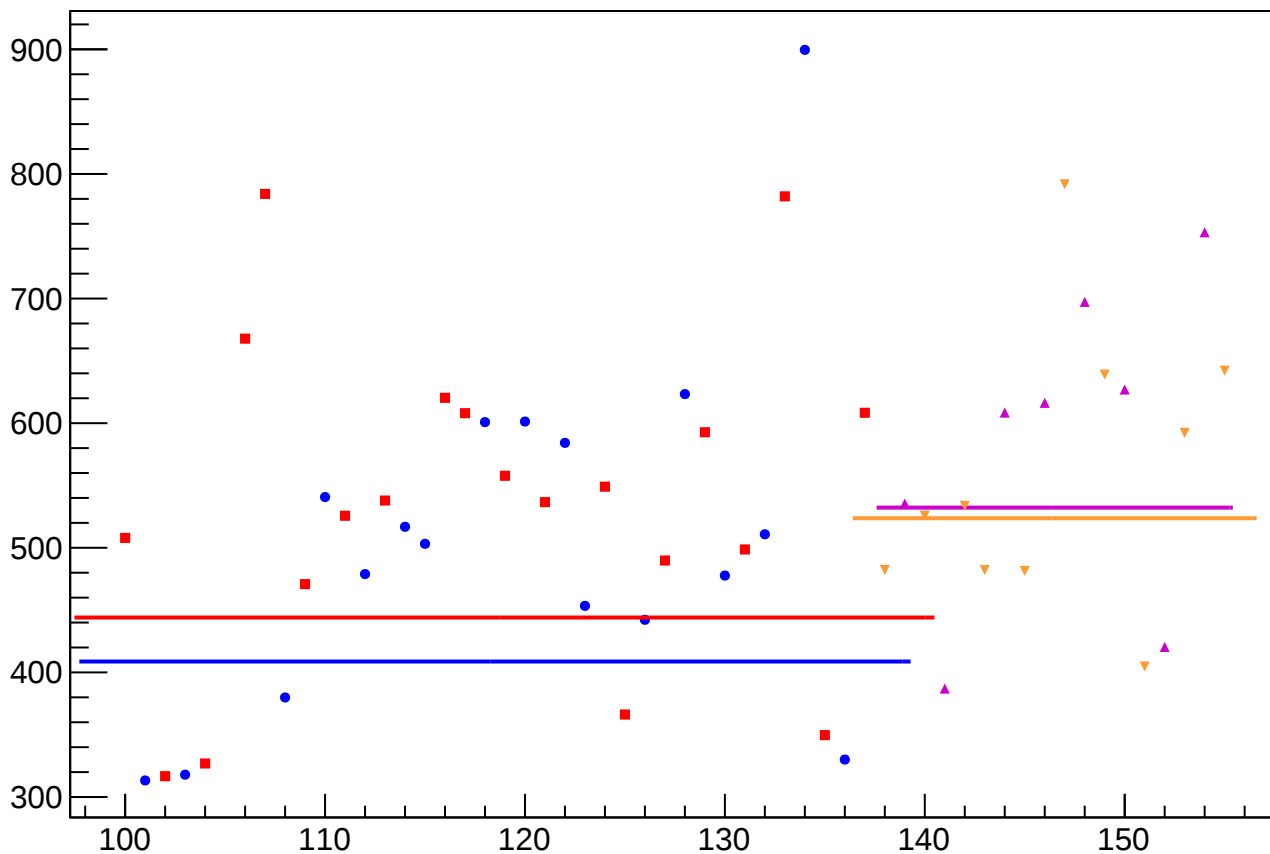
Right Out: 135998.851 $\pm$ 0.182 χ^2 /NDF: 1084895879.4/19

Left In: 133954.270 $\pm$ 0.231 χ^2 /NDF: 8644033.7/7

135634.754 $\pm$ 0.132 χ^2 /NDF: 1582533215.7/20

135212.394 $\pm$ 0.143 χ^2 /NDF: 1141872000.3/27

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

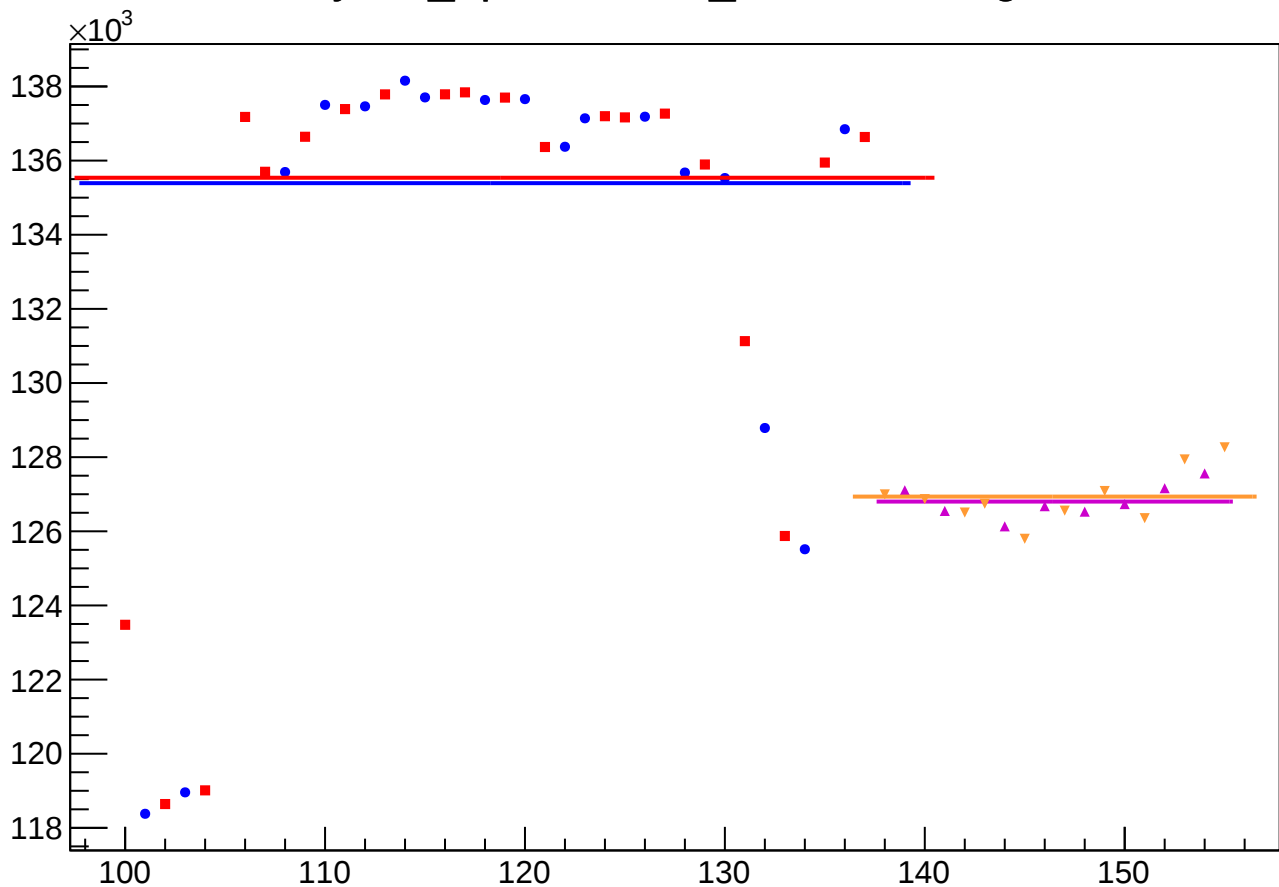
Right Out: 444.034+/-0.129 χ^2/NDF : 922545.8/19

Left In: 532.248+/-0.163 χ^2/NDF : 566474.9/7

455.995+/-0.093 χ^2/NDF : 1619823.0/26

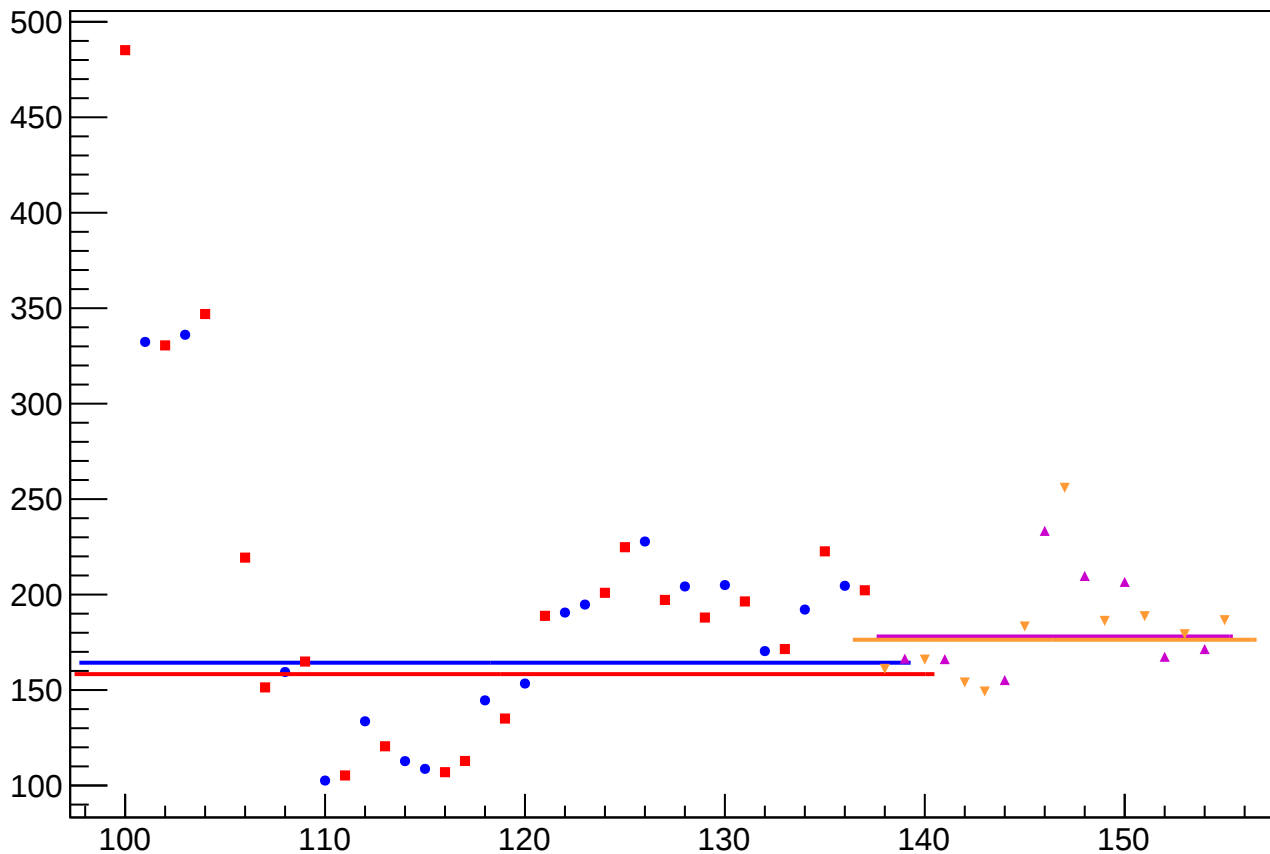
477.966+/-0.101 χ^2/NDF : 1668963.4/27

yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068	χ^2 /NDF: 4580024611.0/16	131042.638 $\pm$ 0.048	χ^2 /NDF: 12576478172.7/2
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	131623.068 $\pm$ 0.048	χ^2 /NDF: 13153192139.8/2
Left In: 126801.787 $\pm$ 0.071	χ^2 /NDF: 41322301.2/7		

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

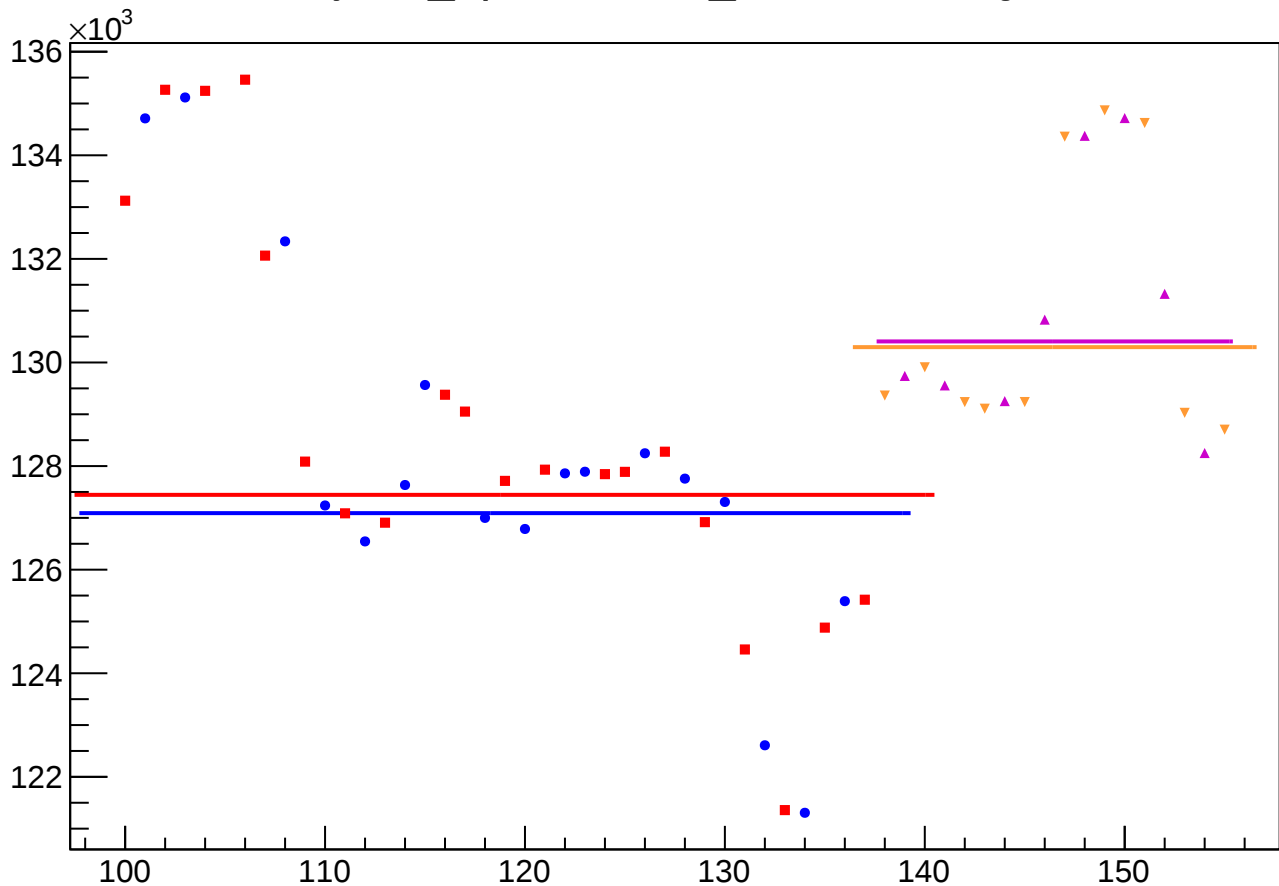
Right Out: 158.336+/-0.045 χ^2/NDF : 1398323.7/19

Left In: 178.058+/-0.050 χ^2/NDF : 217147.8/7

170.496+/-0.034 χ^2/NDF : 1510180.3/26

167.173+/-0.034 χ^2/NDF : 1700720.5/27

yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 $\pm$ 0.066 χ^2 /NDF: 1717208780.6/16

Left Out: 130296.144 $\pm$ 0.068 χ^2 /NDF: 1034901321.6/9

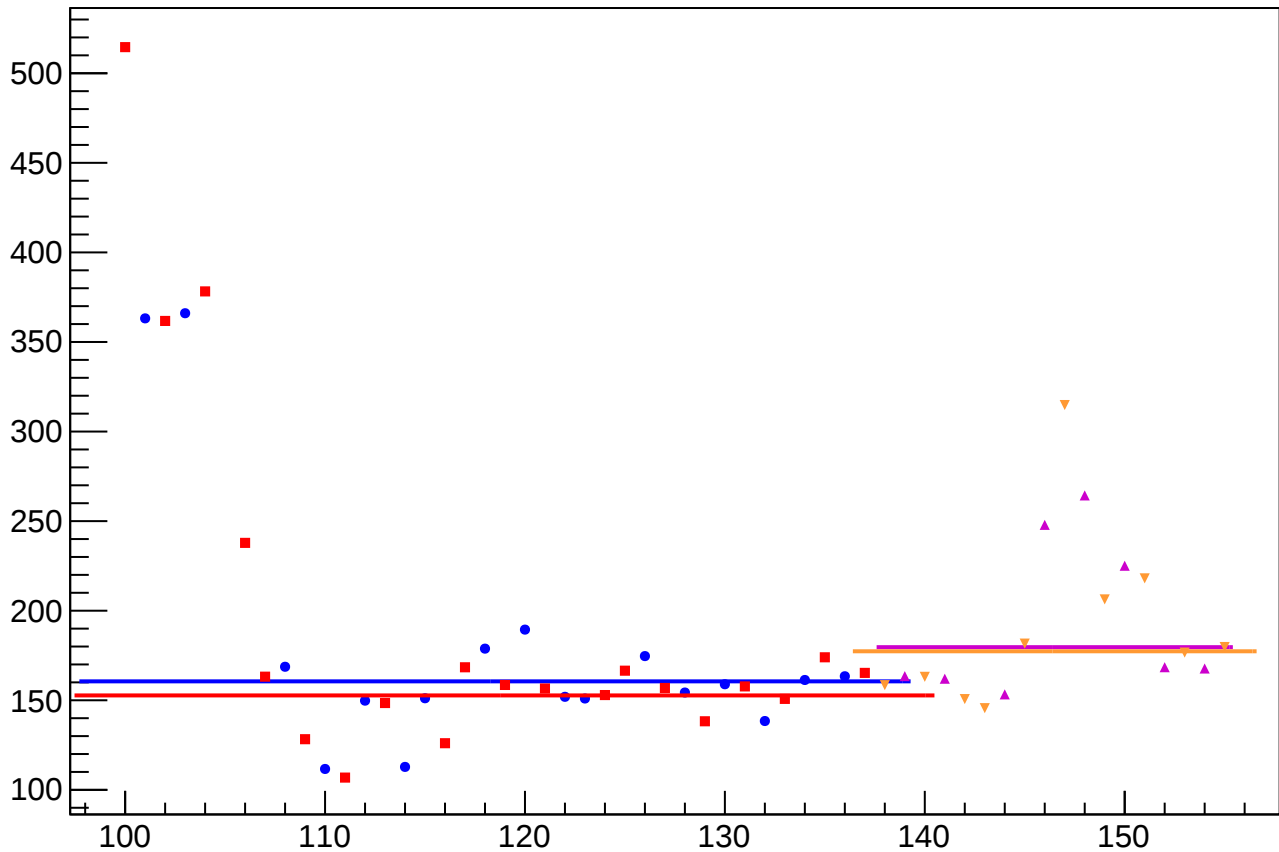
Right Out: 127444.472 $\pm$ 0.061 χ^2 /NDF: 2082646787.7/19

Left In: 130406.524 $\pm$ 0.072 χ^2 /NDF: 731165459.4/7

128663.424 $\pm$ 0.047 χ^2 /NDF: 3897987979.7/26

128684.537 $\pm$ 0.047 χ^2 /NDF: 3788600232.5/27

yield_bpm0l05WS_rms vs Slug



Right In: 160.564 $\pm$ 0.047 χ^2 /NDF: 942747.0/16

Left Out: 177.347 $\pm$ 0.048 χ^2 /NDF:499336.3/9

168.796 $\pm$ 0.033 χ^2 /NDF: 1504935.3/26

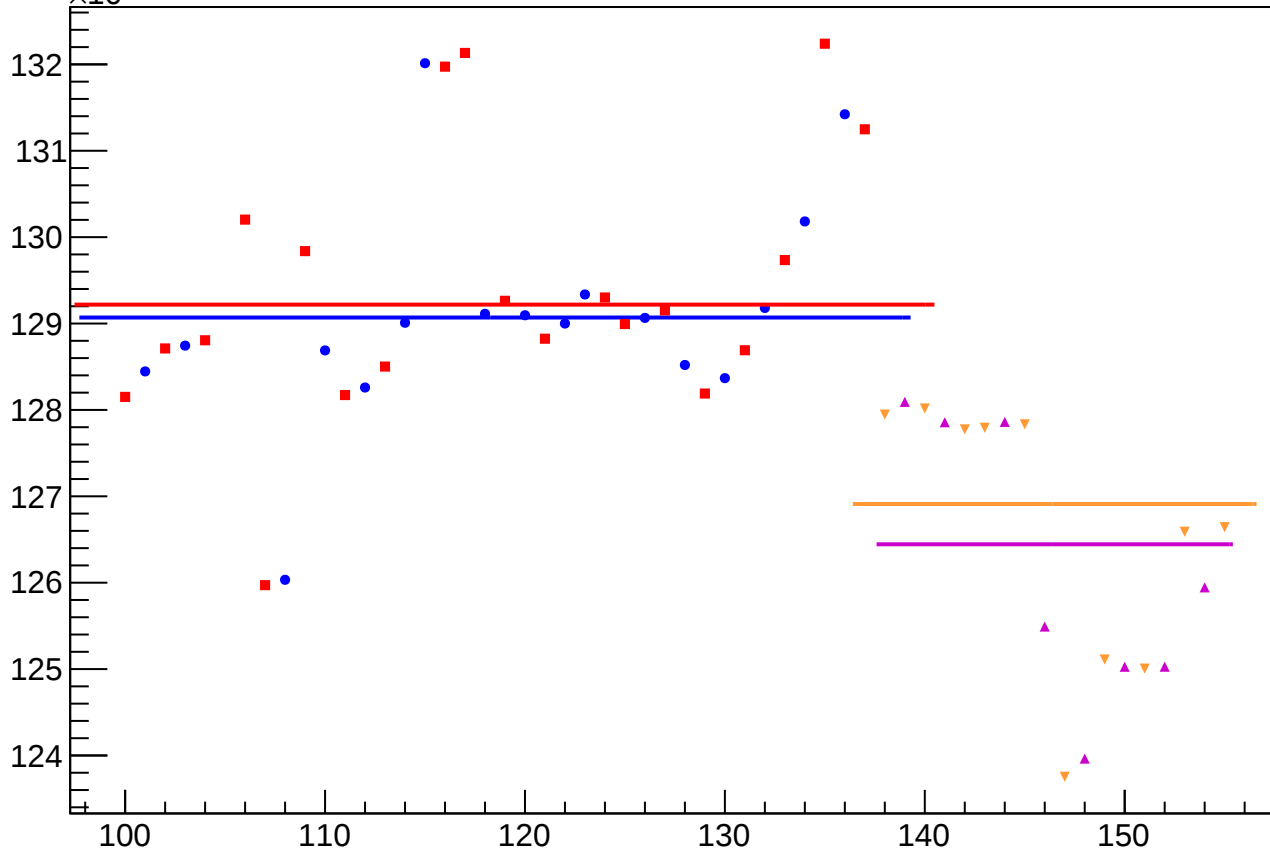
Right Out: 152.711 $\pm$ 0.043 χ^2 /NDF: 1087186.3/19

163.986 $\pm$ 0.033 χ^2 /NDF: 1694522.3/27

Left In: 179.643 $\pm$ 0.051 χ^2 /NDF:446160.0/7

yield_bpm0l06WS_mean vs Slug

$\times 10^3$



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

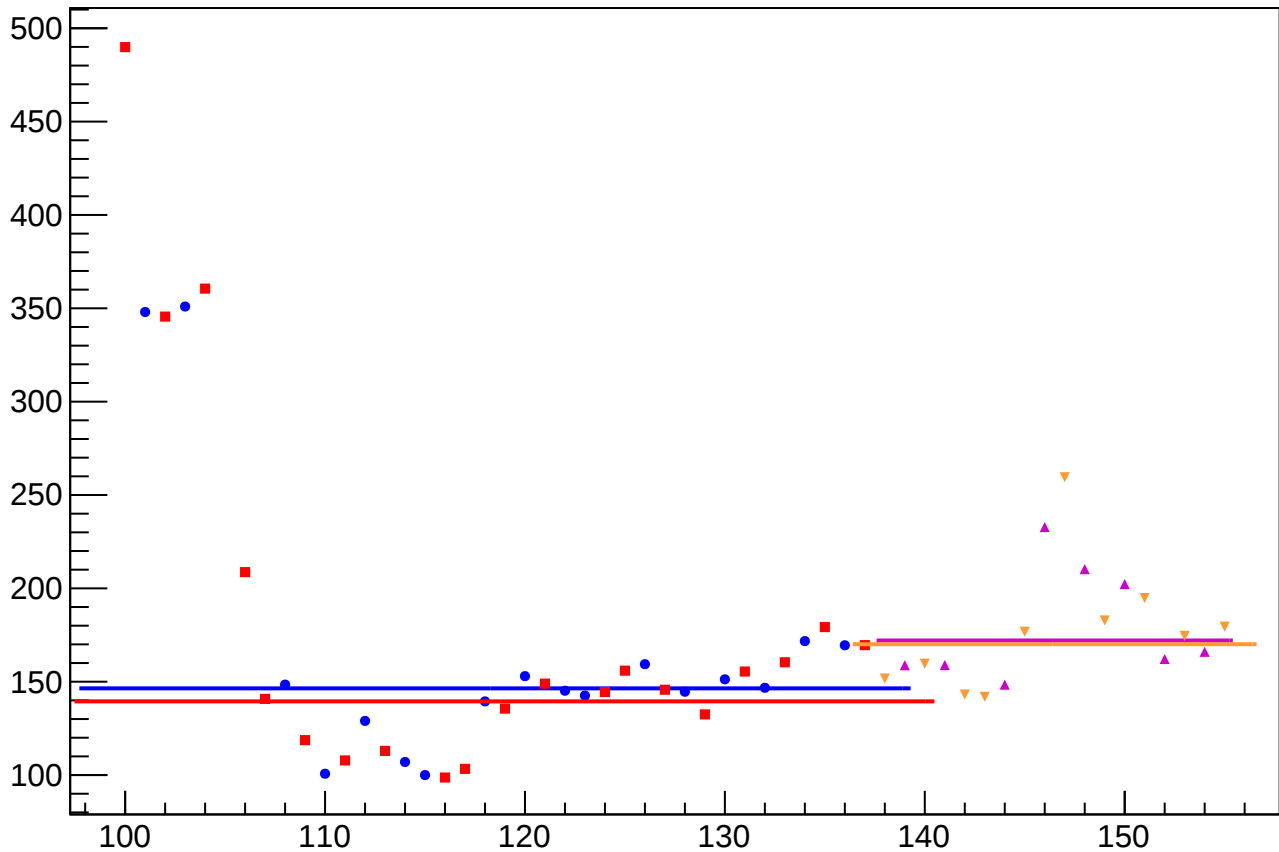
Right Out: 129219.072 $\pm$ 0.056 χ^2 /NDF: 660468184.1/19

Left In: 126444.595 $\pm$ 0.069 χ^2 /NDF: 448137994.6/7

128060.020 $\pm$ 0.044 χ^2 /NDF: 1480779187.0/20

128118.057 $\pm$ 0.043 χ^2 /NDF: 2091914125.4/27

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 ± 0.043 $\chi^2/\text{NDF}: 1064791.0/16$

Left Out: 170.069 ± 0.045 $\chi^2/\text{NDF}: 332932.6/9$

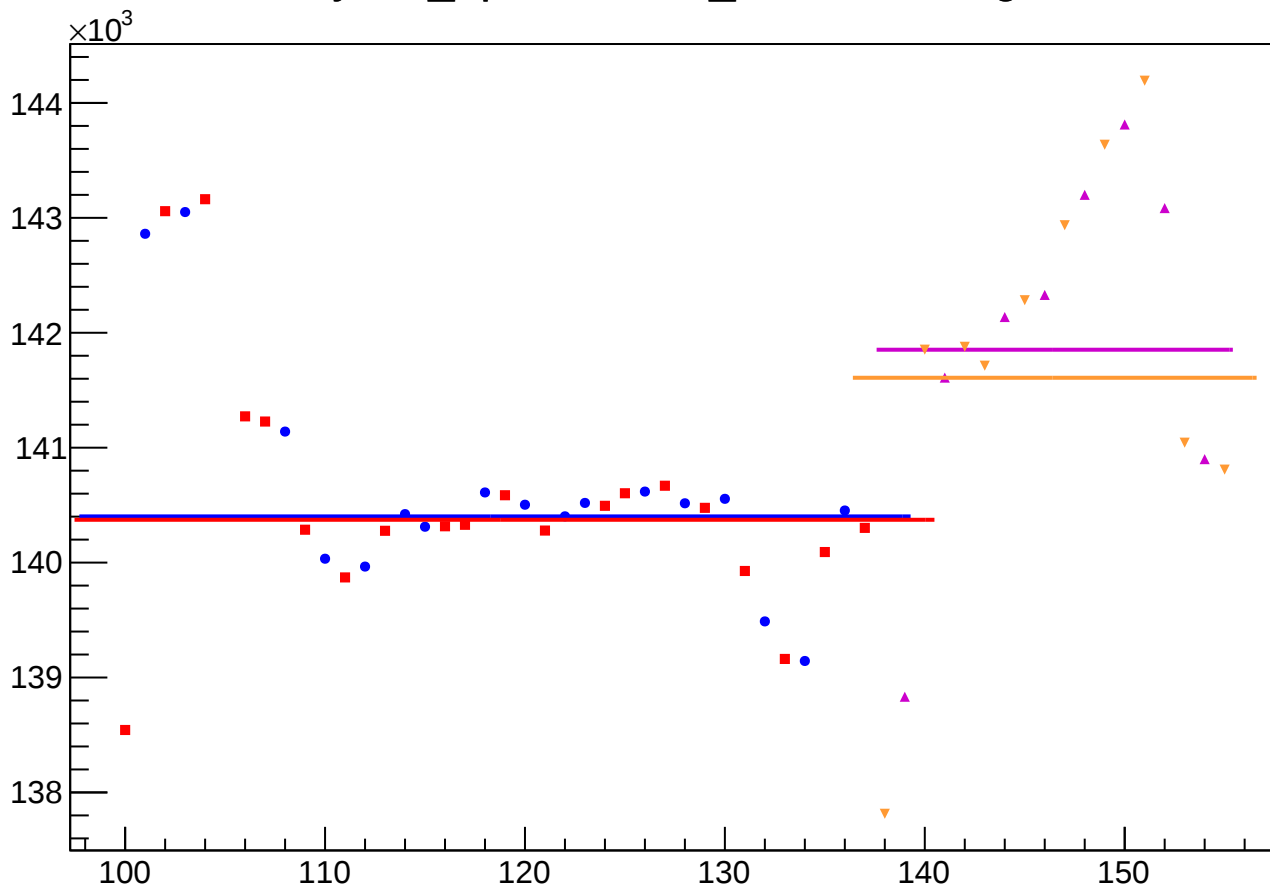
157.490 ± 0.031 $\chi^2/\text{NDF}: 1542018.5/26$

Right Out: 139.468 ± 0.039 $\chi^2/\text{NDF}: 1214310.8/19$

152.407 ± 0.031 $\chi^2/\text{NDF}: 1754445.4/27$

Left In: 172.074 ± 0.049 $\chi^2/\text{NDF}: 268506.8/7$

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 $\pm$ 0.064 χ^2 /NDF: 88071774.7/16

Left Out: 141608.464 $\pm$ 0.075 χ^2 /NDF: 550653540.4/9

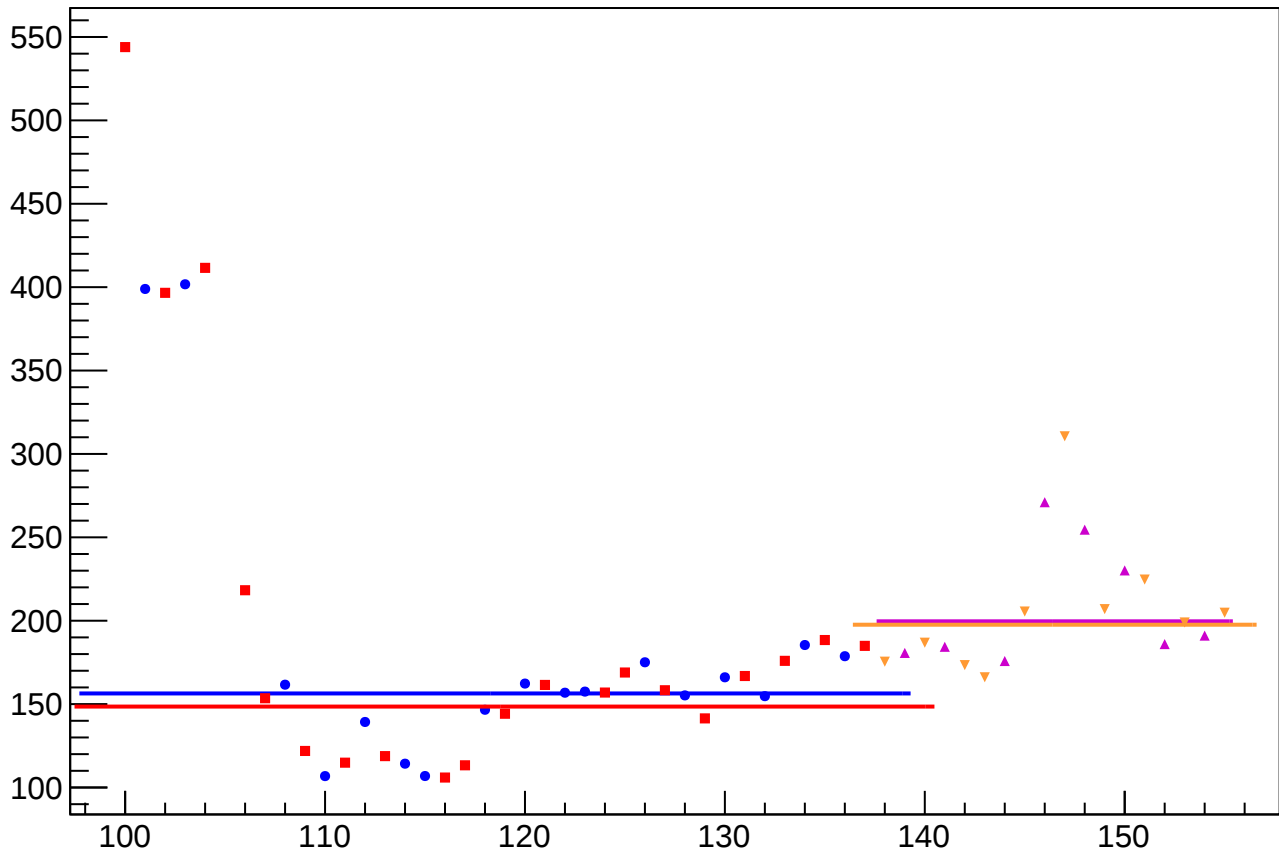
Right Out: 140372.636 $\pm$ 0.059 χ^2 /NDF: 99861038.9/19

Left In: 141852.453 $\pm$ 0.080 χ^2 /NDF: 333663505.2/7

140915.031 $\pm$ 0.049 χ^2 /NDF: 788203829.1/26

140900.537 $\pm$ 0.048 χ^2 /NDF: 654239884.9/27

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

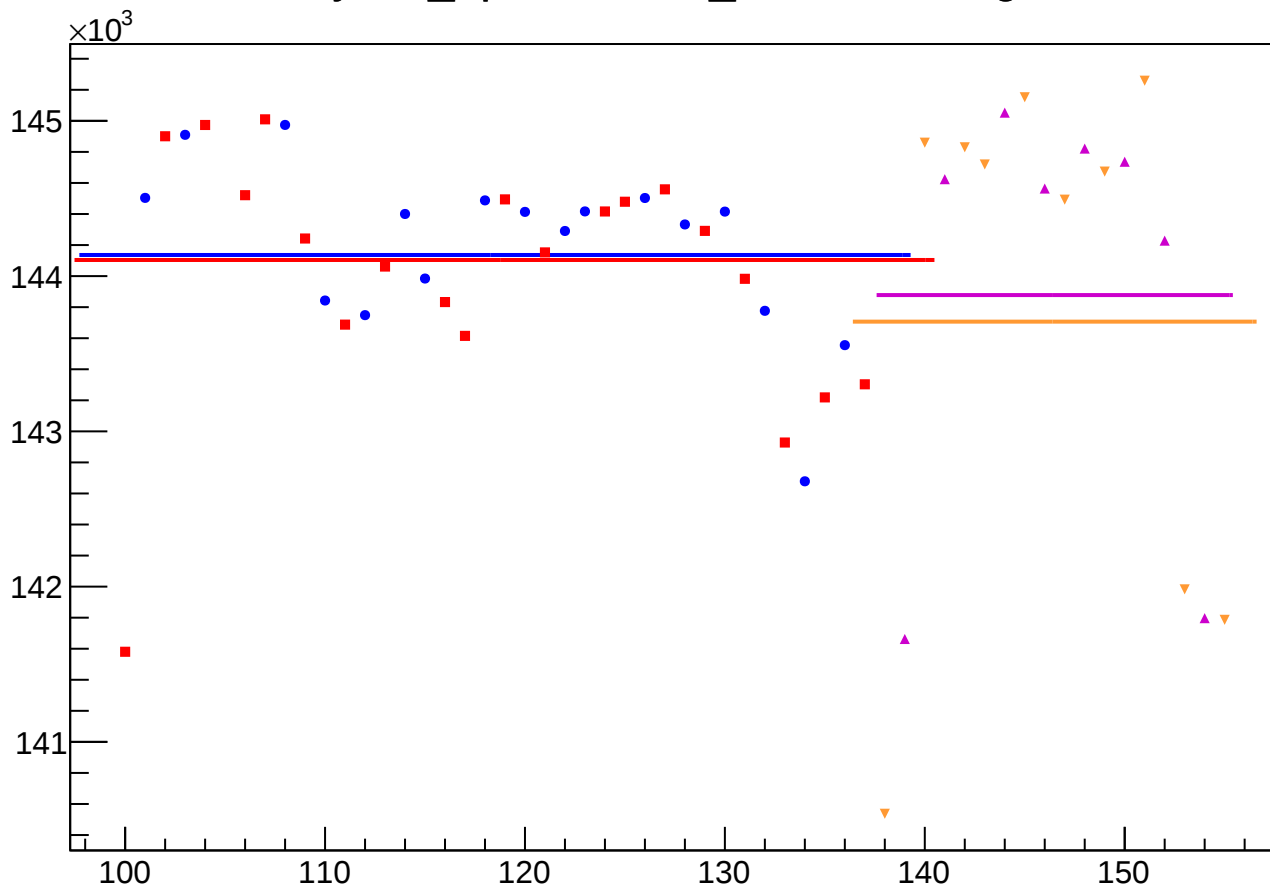
173.917+/-0.034 χ^2/NDF : 1829235.4/26

Right Out: 148.524+/-0.042 χ^2/NDF : 1316113.9/19

166.760+/-0.034 χ^2/NDF : 2123415.7/27

Left In: 199.644+/-0.056 χ^2/NDF : 280527.3/7

yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 $\pm$ 0.067 χ^2 /NDF: 47069480.3/16

Left Out: 143706.791 $\pm$ 0.074 χ^2 /NDF: 525312752.8/9

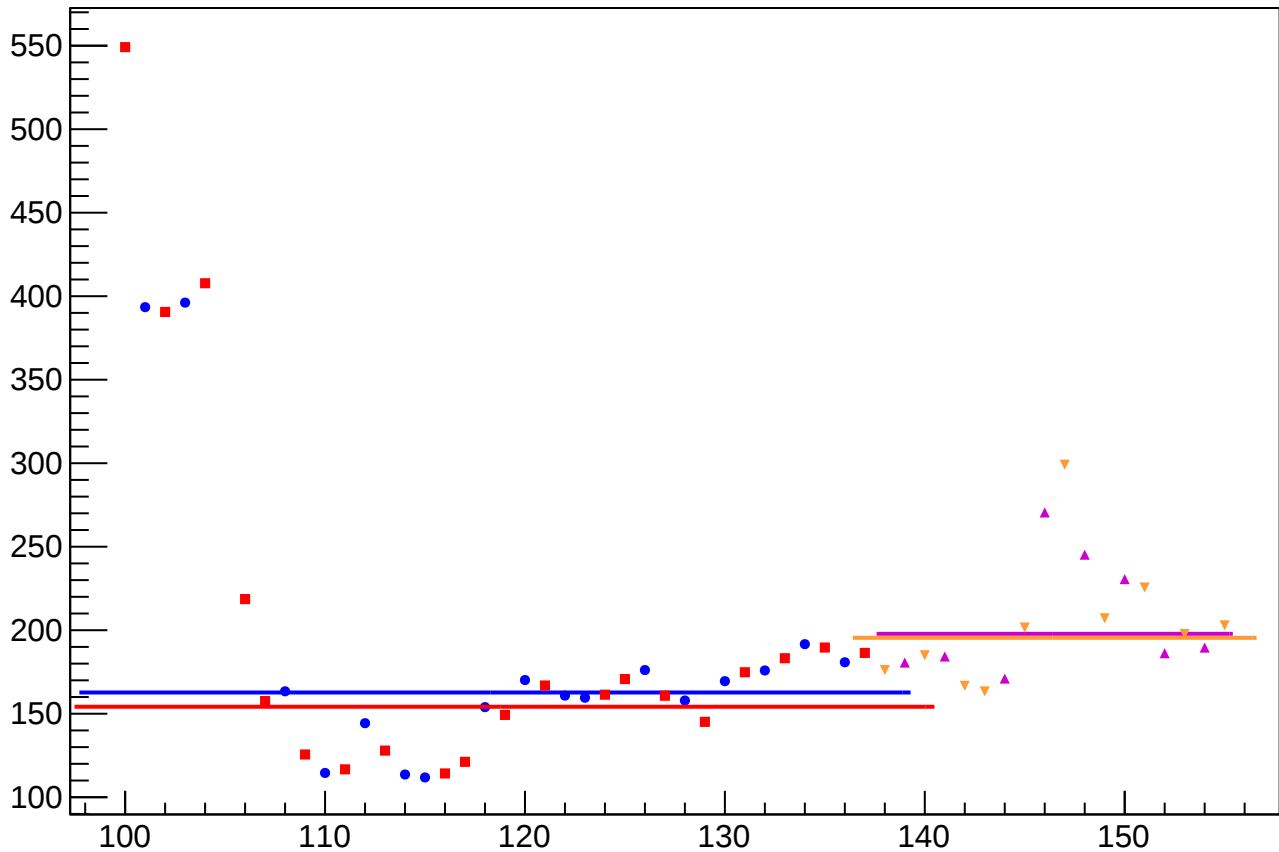
Right Out: 144103.887 $\pm$ 0.062 χ^2 /NDF: 65973087.5/19

Left In: 143877.896 $\pm$ 0.079 χ^2 /NDF: 285094105.0/7

143943.229 $\pm$ 0.050 χ^2 /NDF: 590957725.6/26

144018.810 $\pm$ 0.049 χ^2 /NDF: 356147119.5/27

yield_bpm0l08WS_rms vs Slug



Right In: 162.714+/-0.047 χ^2/NDF : 1066482.0/16

Left Out: 195.466+/-0.052 χ^2/NDF : 319431.4/9

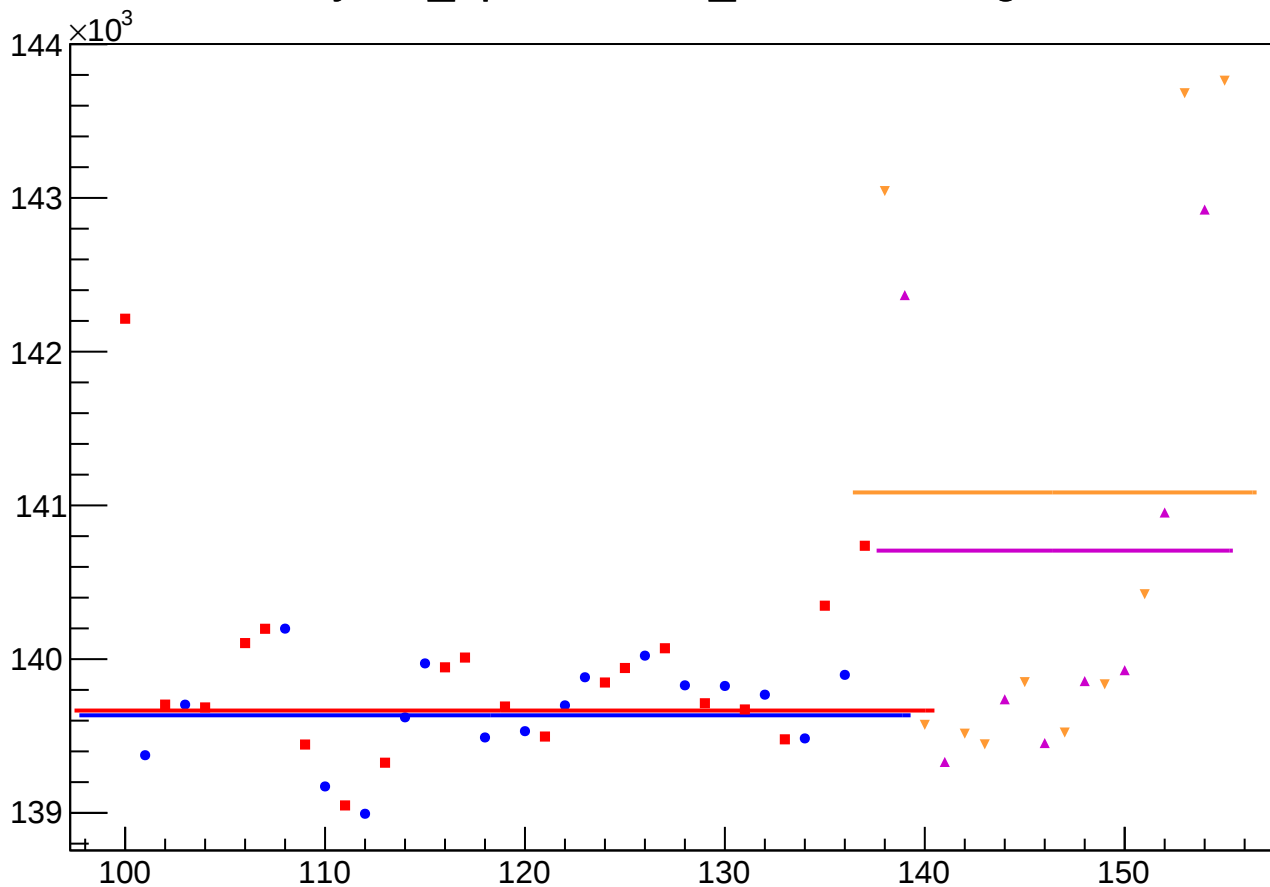
177.429+/-0.035 χ^2/NDF : 1602113.0/26

Right Out: 154.174+/-0.044 χ^2/NDF : 1224004.2/19

170.613+/-0.034 χ^2/NDF : 1880563.8/27

Left In: 197.841+/-0.056 χ^2/NDF : 277223.0/7

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

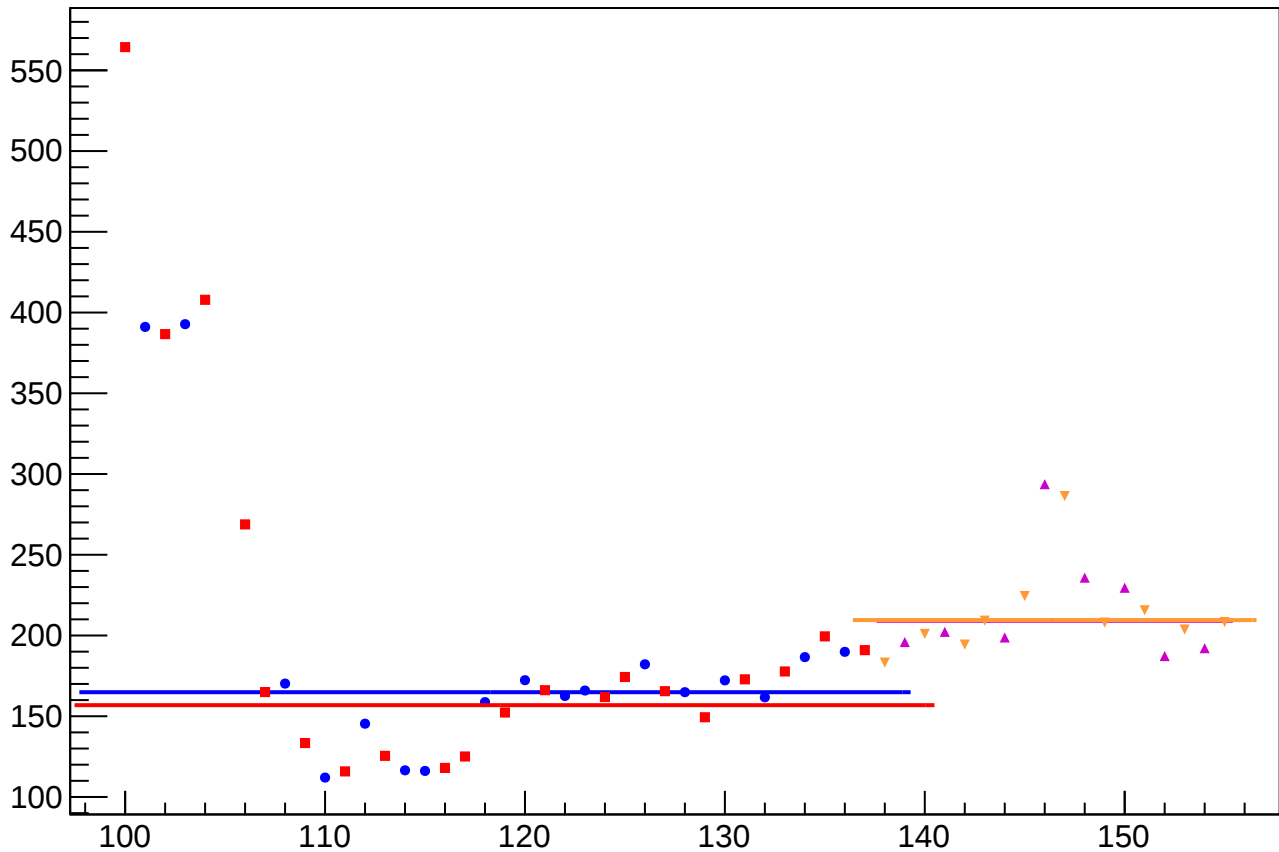
Right Out: 139665.743 ± 0.063 χ^2/NDF : 38703726.2/19

Left In: 140705.956 ± 0.083 χ^2/NDF : 251443378.1/7

140252.993 ± 0.051 χ^2/NDF : 745093366.3/26

140040.924 ± 0.050 χ^2/NDF : 389438019.3/27

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

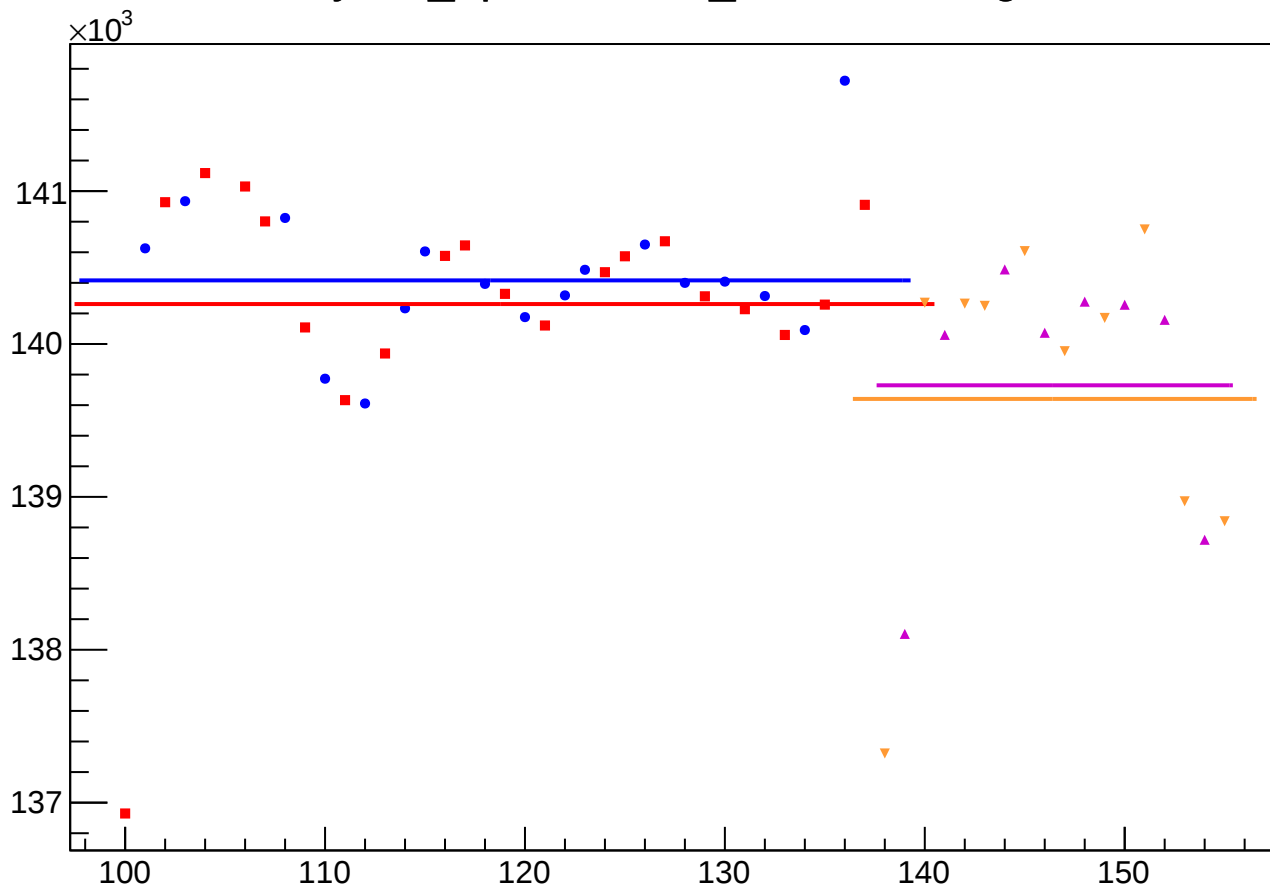
183.928 ± 0.036 χ^2/NDF : 1595015.6/26

Right Out: 156.859 ± 0.044 χ^2/NDF : 1250656.2/19

175.701 ± 0.035 χ^2/NDF : 1961293.9/27

Left In: 209.098 ± 0.059 χ^2/NDF : 209829.2/7

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 ± 0.068 $\chi^2/\text{NDF}: 69975821.3/16$

Left Out: 139640.759 ± 0.073 $\chi^2/\text{NDF}: 222195102.6/9$

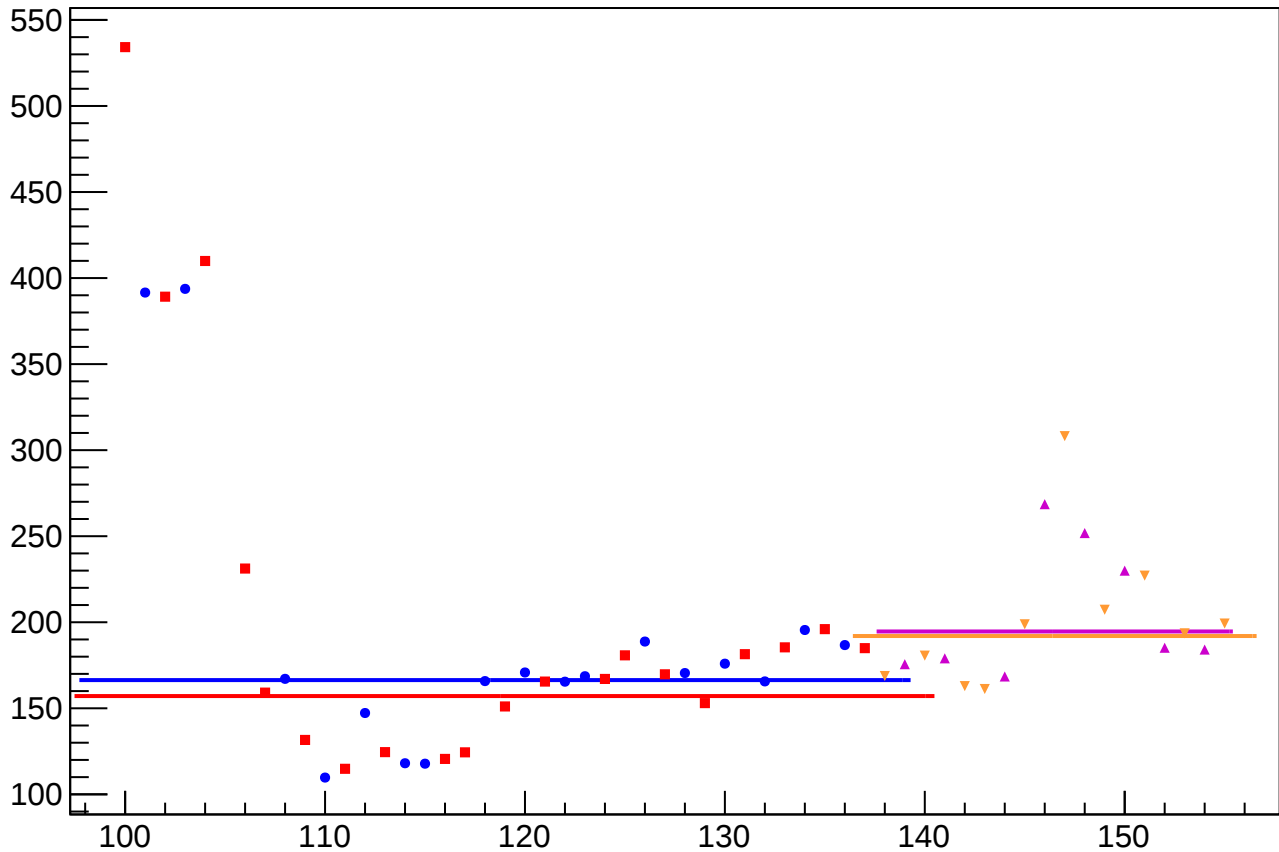
Right Out: 140261.267 ± 0.063 $\chi^2/\text{NDF}: 38479140.4/19$

Left In: 139729.797 ± 0.078 $\chi^2/\text{NDF}: 116273051.5/7$

140051.921 ± 0.050 $\chi^2/\text{NDF}: 352525281.5/26$

140052.094 ± 0.049 $\chi^2/\text{NDF}: 182945223.0/27$

yield_bpm0l10WS_rms vs Slug



Right In: 166.388 ± 0.048 χ^2/NDF : 1080964.8/16

Left Out: 191.996 ± 0.051 χ^2/NDF : 377238.1/9

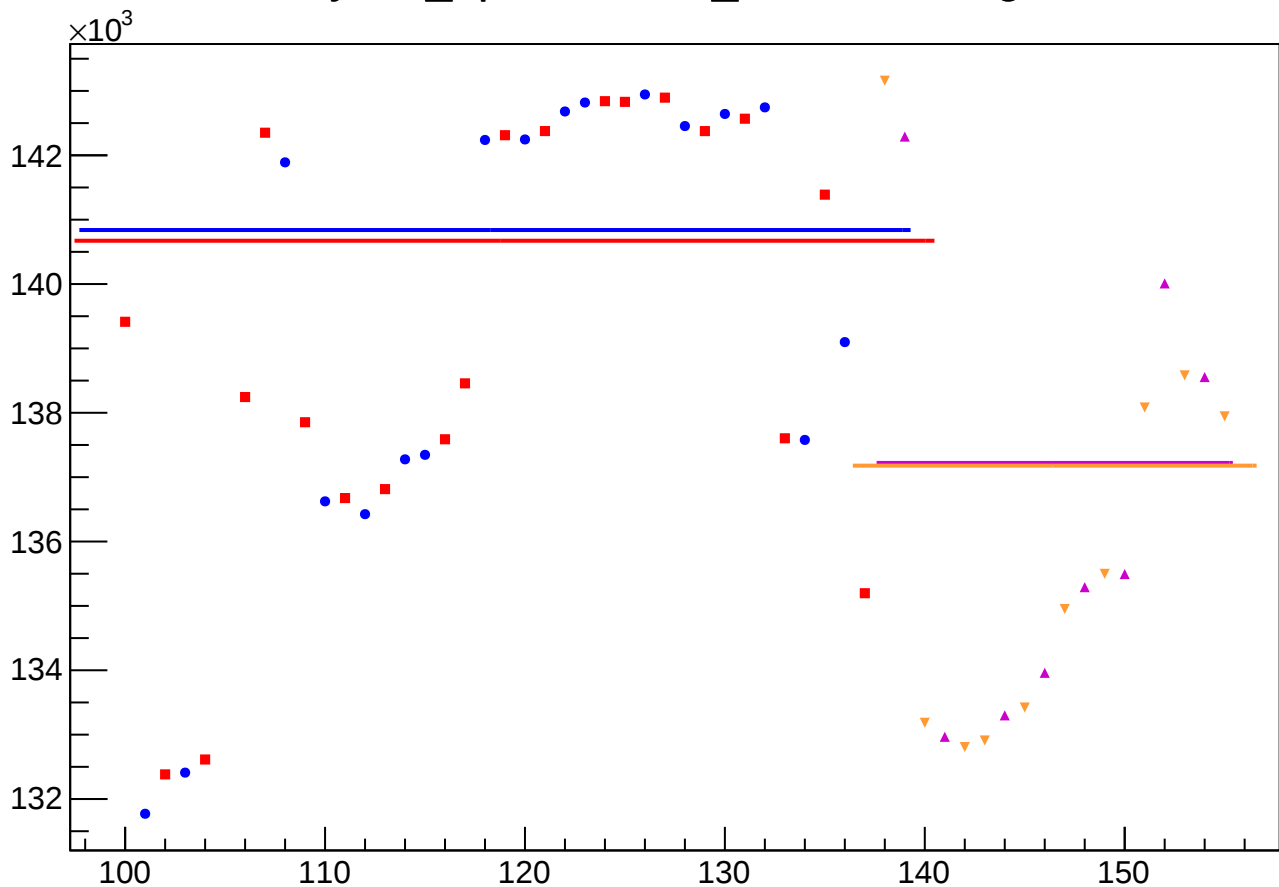
Right Out: 157.110 ± 0.044 χ^2/NDF : 1235934.7/19

Left In: 194.644 ± 0.055 χ^2/NDF : 318084.4/7

178.416 ± 0.035 χ^2/NDF : 1589898.1/26

171.883 ± 0.035 χ^2/NDF : 1835244.8/27

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 ± 0.100 χ^2/NDF : 822682996.3/16

Left Out: 137178.876 ± 0.115 χ^2/NDF : 1092386487.6/9

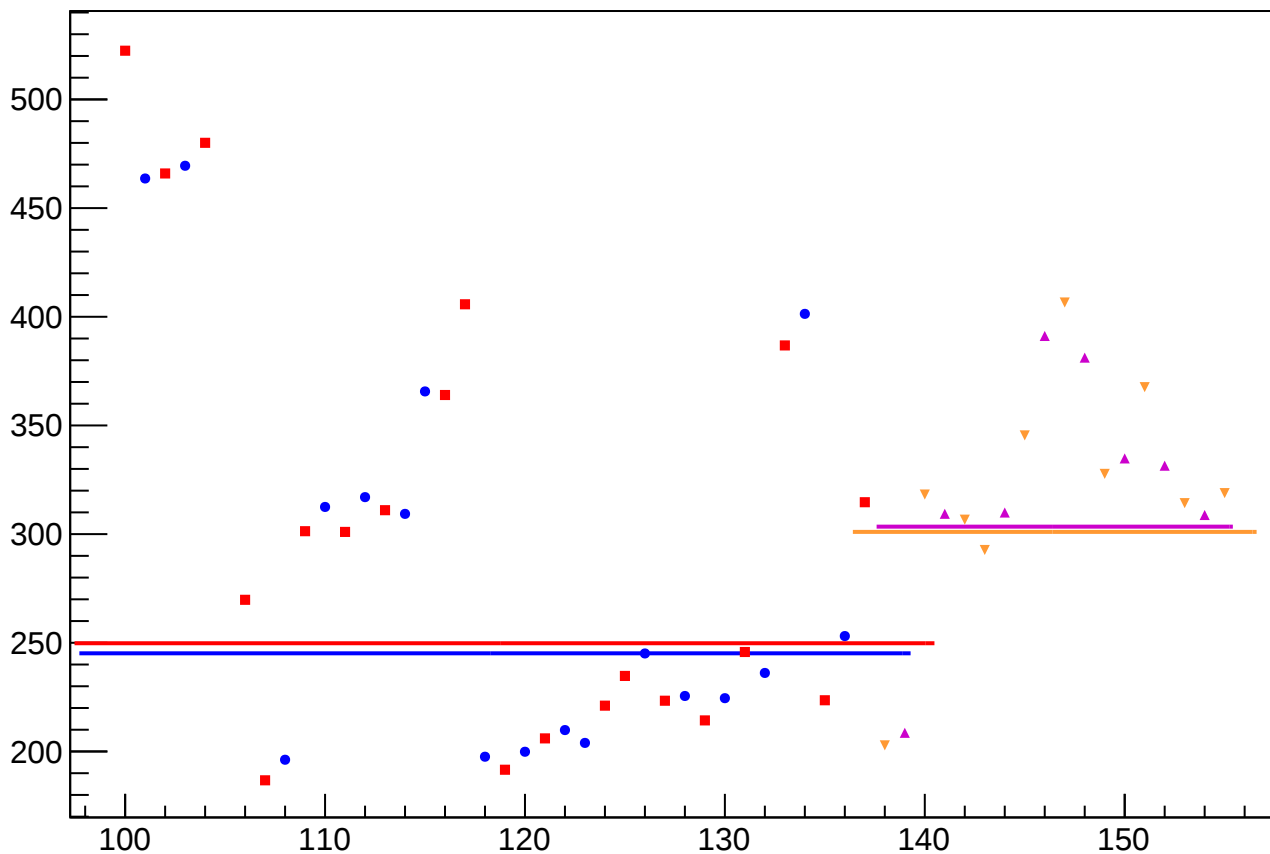
Right Out: 140672.898 ± 0.099 χ^2/NDF : 841965357.5/19

Left In: 137221.171 ± 0.123 χ^2/NDF : 837874901.4/7

139268.584 ± 0.076 χ^2/NDF : 2489796033.1/20

139319.841 ± 0.077 χ^2/NDF : 2156600469.3/27

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

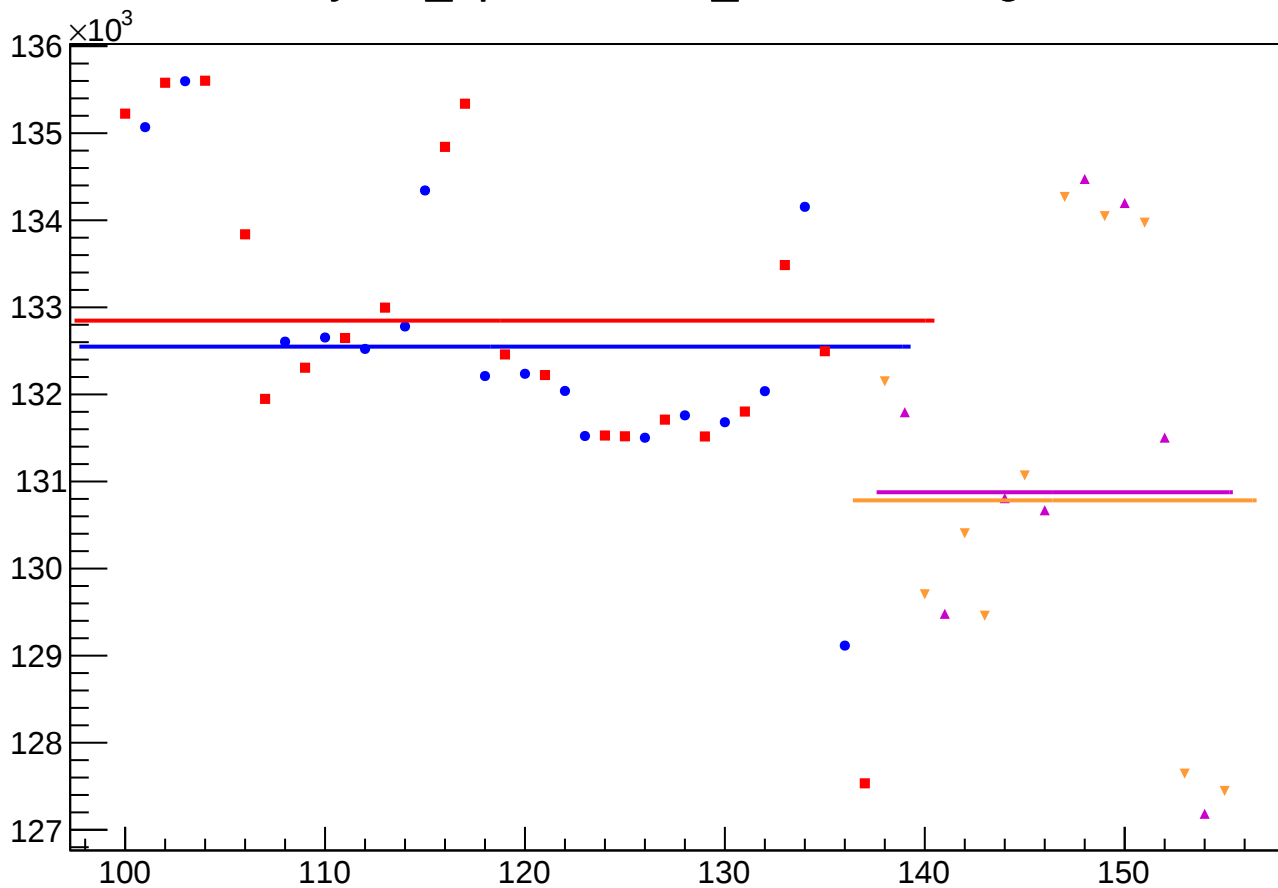
Right Out: 249.792 ± 0.070 χ^2/NDF : 1022316.0/19

Left In: 303.440 ± 0.087 χ^2/NDF : 438707.4/7

269.130 ± 0.053 χ^2/NDF : 1669032.0/26

270.822 ± 0.055 χ^2/NDF : 1691357.0/27

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

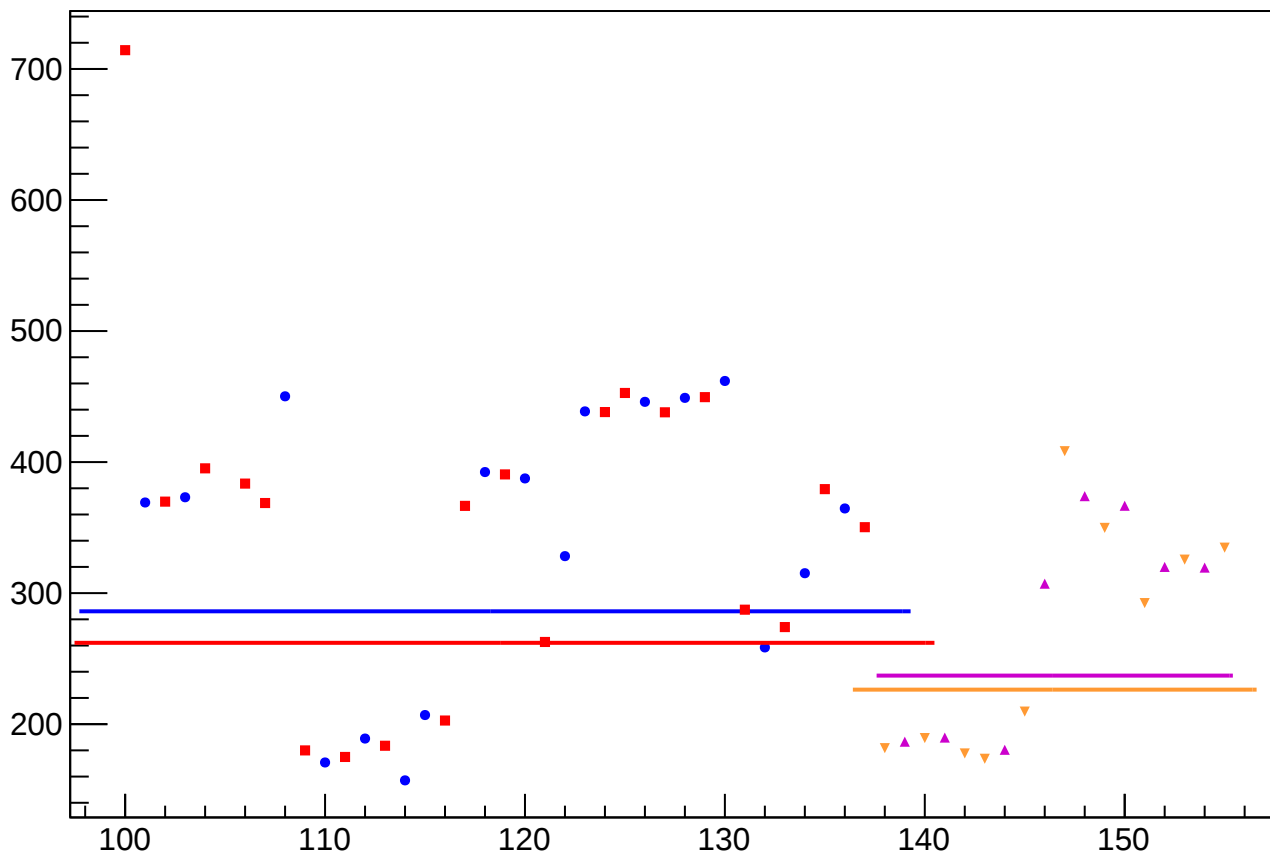
Right Out: 132847.502 $\pm$ 0.107 χ^2 /NDF: 151618589.4/19

Left In: 130876.553 $\pm$ 0.098 χ^2 /NDF: 319317372.2/7

131413.995 $\pm$ 0.071 χ^2 /NDF: 768954125.2/26

131780.937 $\pm$ 0.072 χ^2 /NDF: 654879277.2/27

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

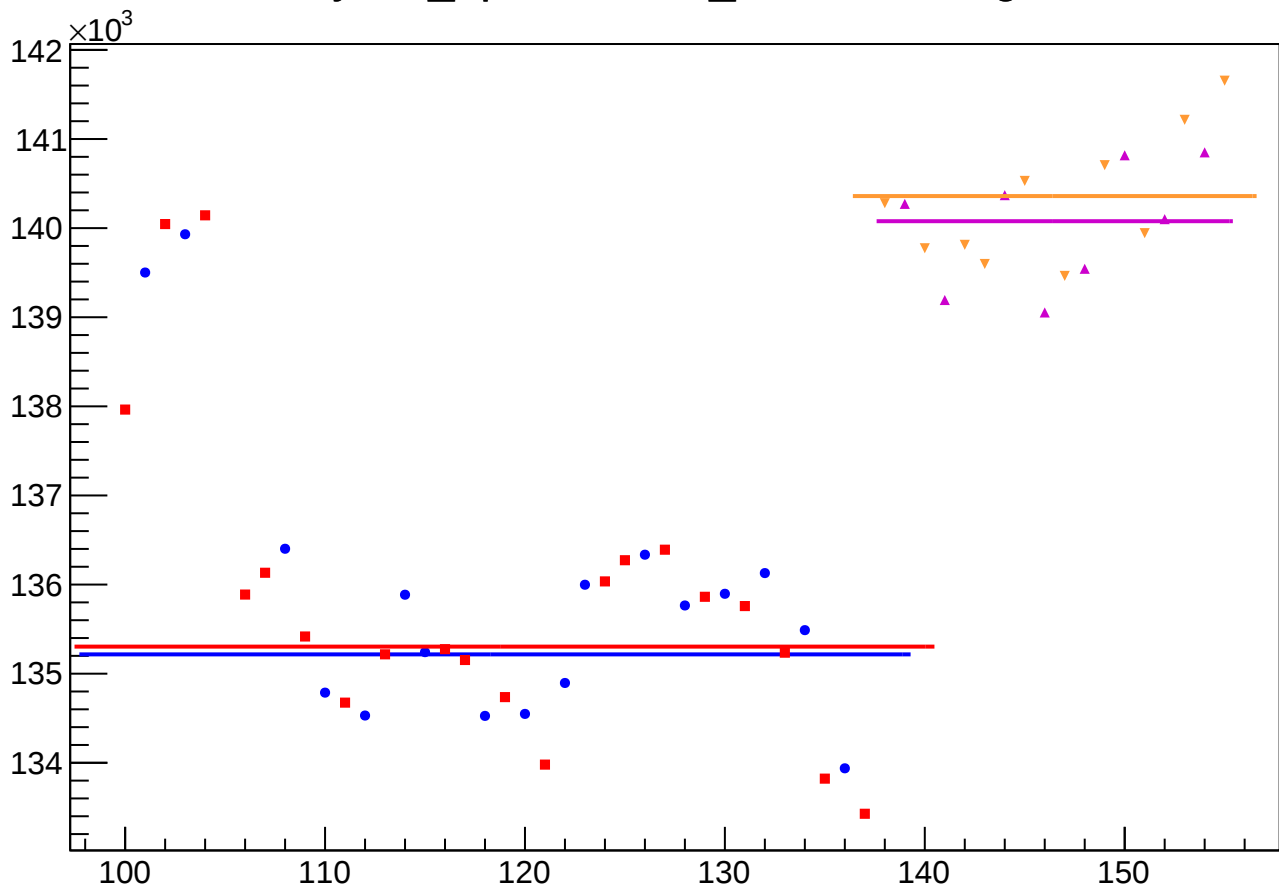
Right Out: 262.073+/-0.076 χ^2/NDF : 1630239.5/19

Left In: 237.056+/-0.070 χ^2/NDF :1087425.6/7

247.694+/-0.050 χ^2/NDF : 3066224.6/26

248.535+/-0.051 χ^2/NDF : 2776931.2/27

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

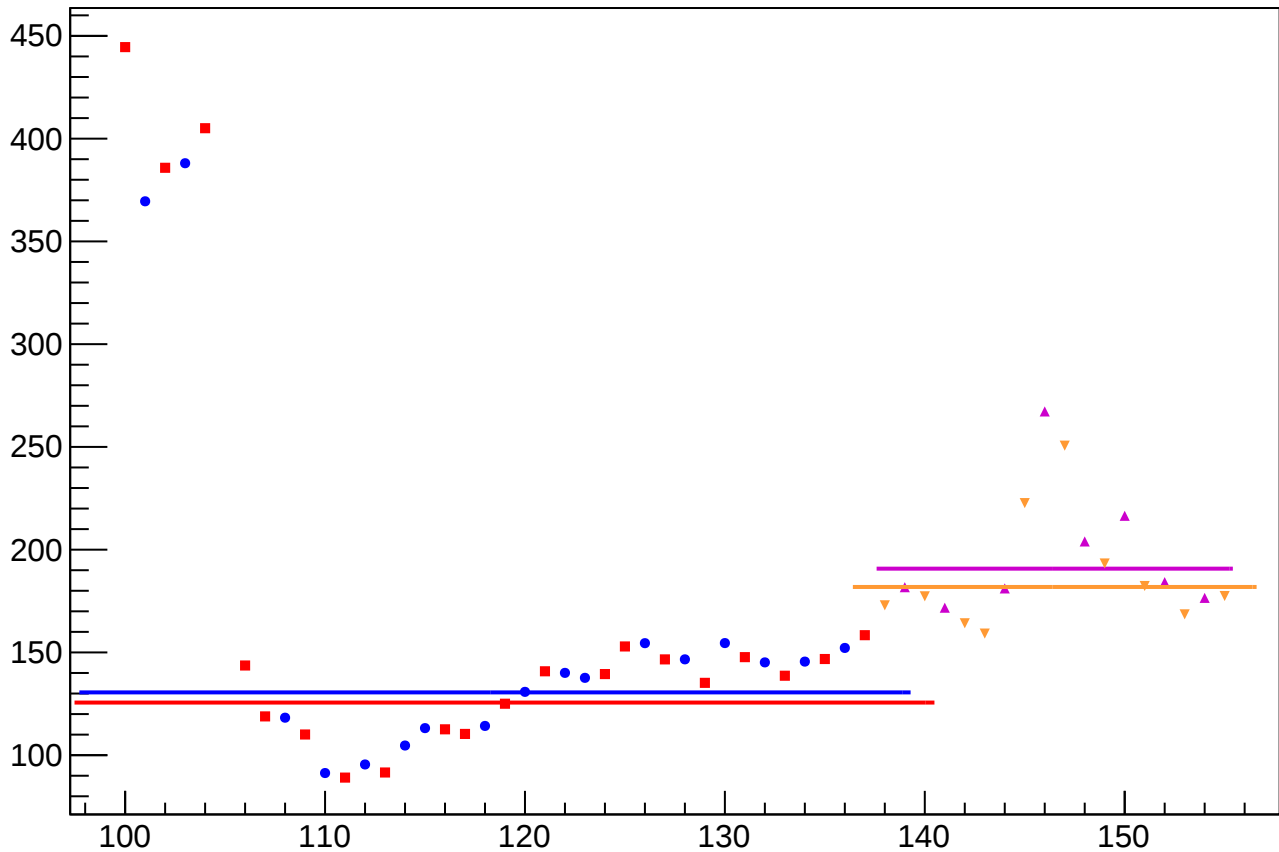
Right Out: 135303.736 $\pm$ 0.051 χ^2 /NDF: 357717935.5/19

Left In: 140077.763 $\pm$ 0.076 χ^2 /NDF: 66978011.0/7

137197.241 $\pm$ 0.043 χ^2 /NDF: 3924113693.1/20

136772.565 $\pm$ 0.042 χ^2 /NDF: 3130749703.6/27

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 $\pm$ 0.038 χ^2 /NDF: 1373104.9/16

Left Out: 181.852 $\pm$ 0.049 χ^2 /NDF:217813.1/9

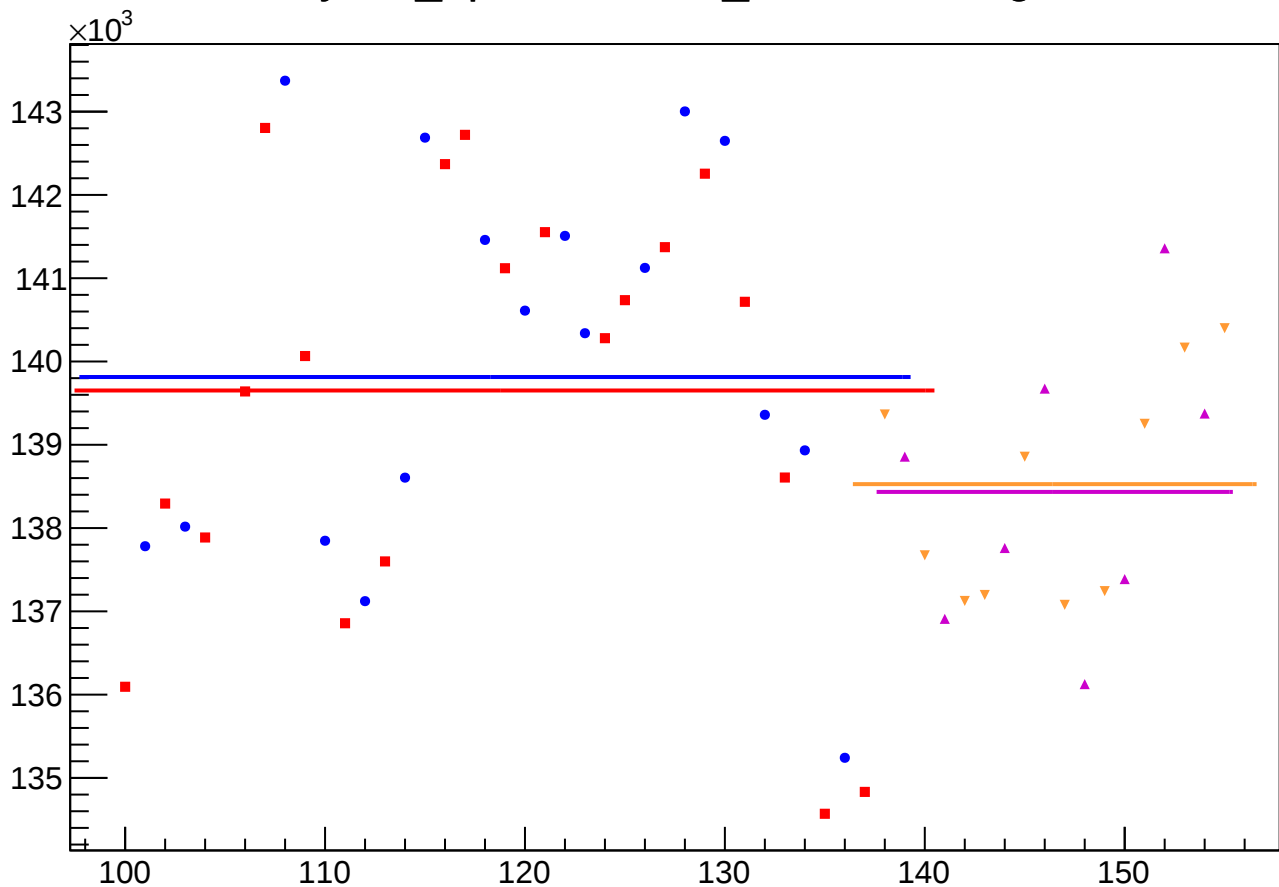
150.307 $\pm$ 0.030 χ^2 /NDF: 2276961.2/26

Right Out: 125.603 $\pm$ 0.036 χ^2 /NDF: 1441677.4/19

145.651 $\pm$ 0.030 χ^2 /NDF: 2642682.0/27

Left In: 190.762 $\pm$ 0.054 χ^2 /NDF:192831.5/7

yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 ± 0.062 χ^2/NDF : 1689865533.6/16

Left Out: 138527.525 ± 0.070 χ^2/NDF : 317347245.3/9

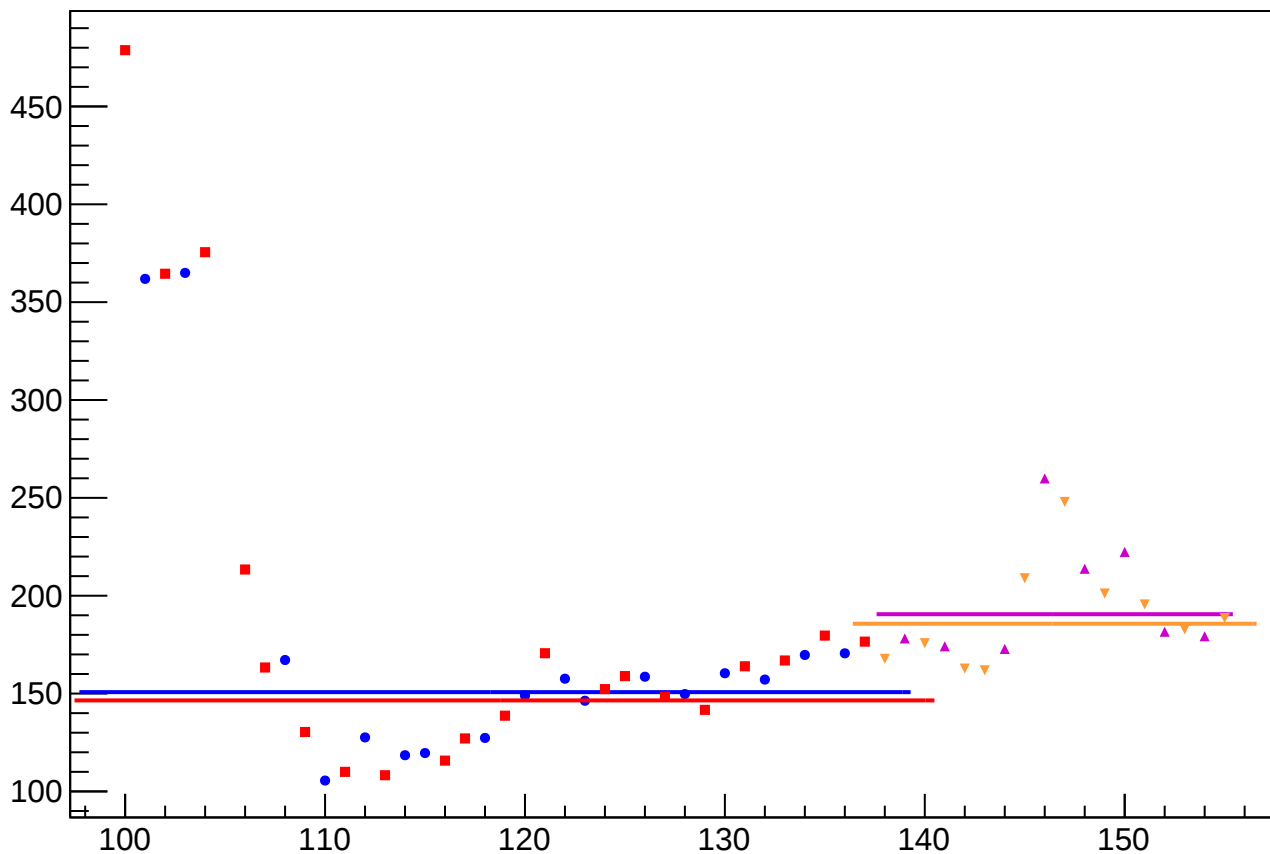
Right Out: 139651.821 ± 0.059 χ^2/NDF : 1531019137.4/19

Left In: 138434.062 ± 0.076 χ^2/NDF : 434715701.2/7

139251.038 ± 0.046 χ^2/NDF : 2195930464.0/20

139198.819 ± 0.047 χ^2/NDF : 2125571386.6/27

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

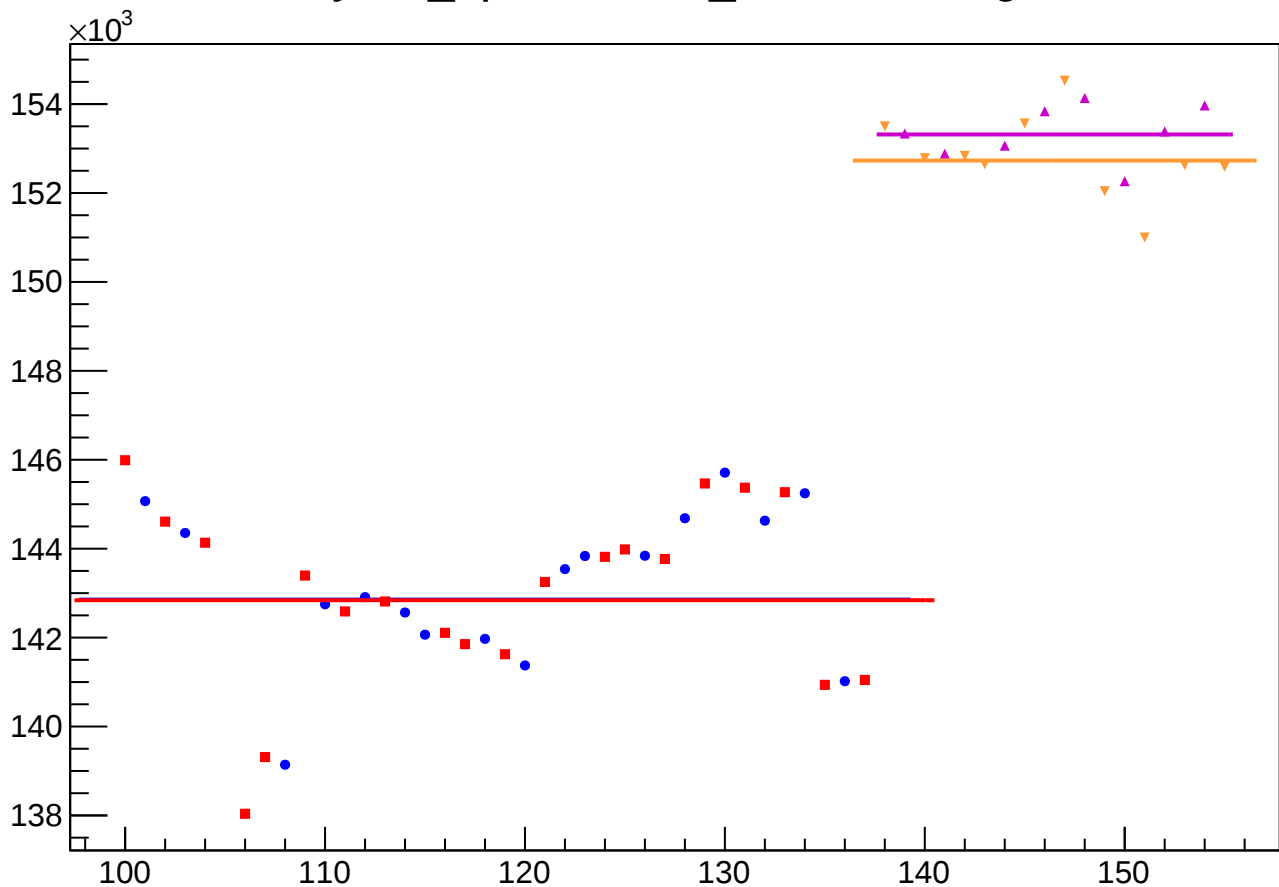
166.024+/-0.033 χ^2/NDF : 1522849.9/26

Right Out: 146.506+/-0.042 χ^2/NDF : 1205131.2/19

162.893+/-0.033 χ^2/NDF : 1834405.3/27

Left In: 190.558+/-0.054 χ^2/NDF :210953.2/7

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

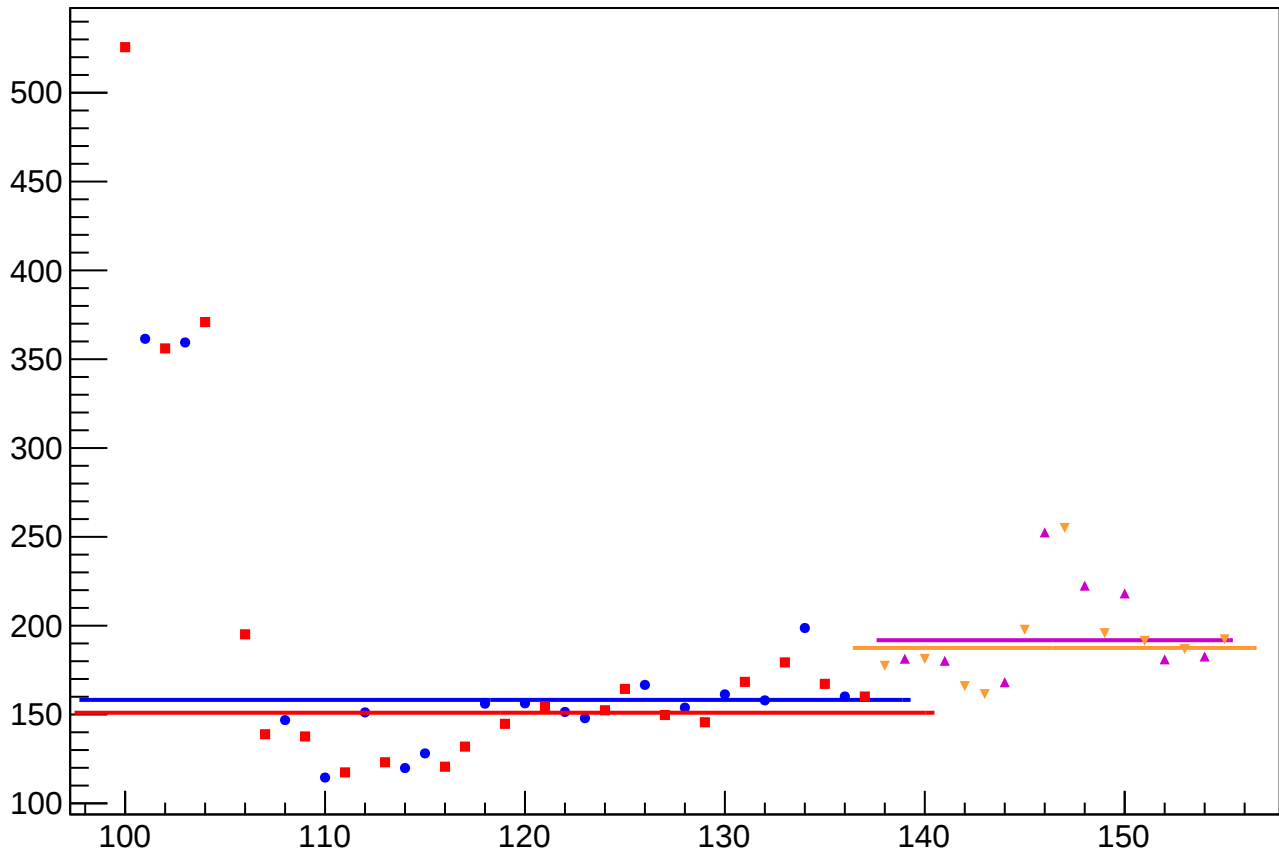
Right Out: 142840.509 $\pm$ 0.060 χ^2 /NDF: 852484333.4/19

Left In: 153317.169 $\pm$ 0.077 χ^2 /NDF: 50956788.7/7

147358.497 $\pm$ 0.048 χ^2 /NDF: 11517138479.3/2

146839.112 $\pm$ 0.047 χ^2 /NDF: 12490983034.6/2

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

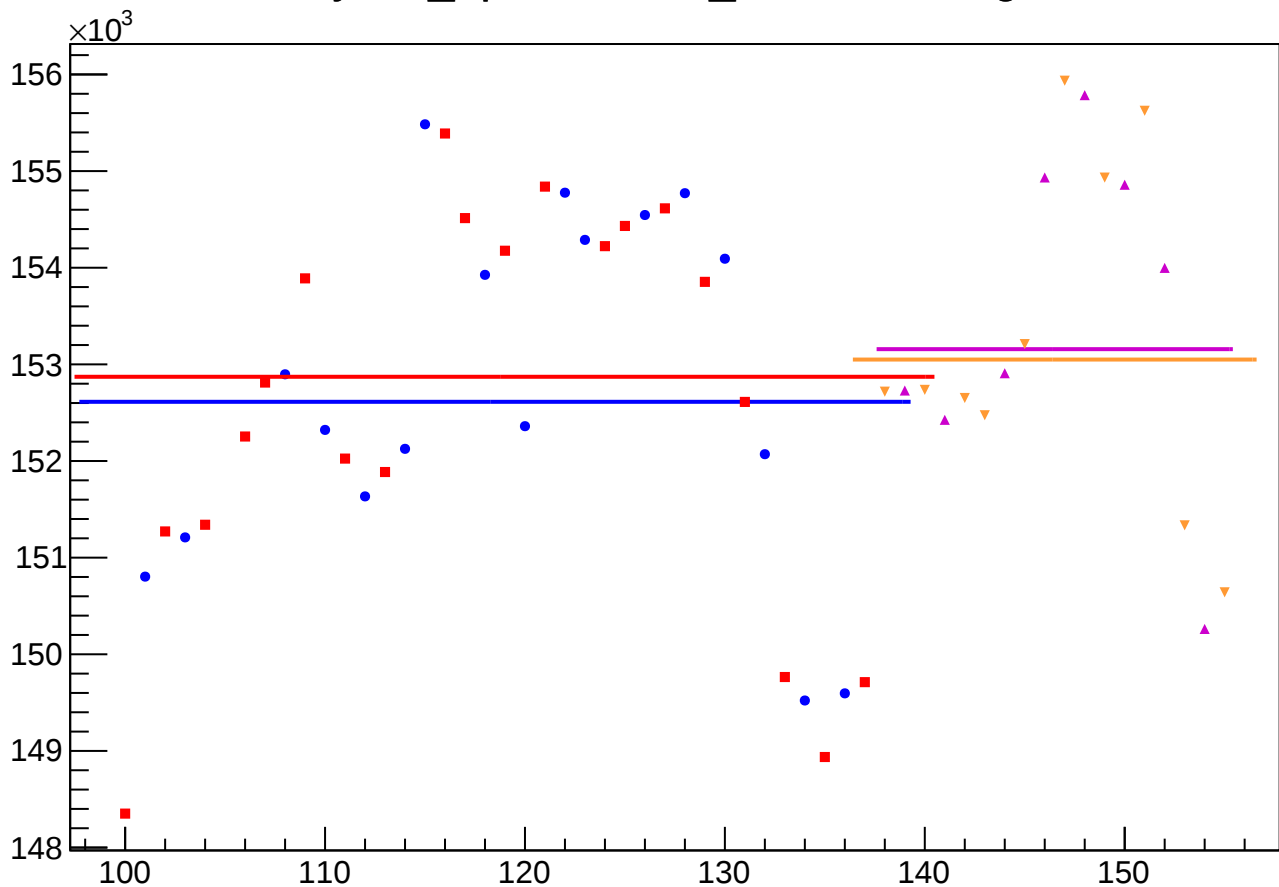
Right Out: 151.003+/-0.043 χ^2/NDF : 1005104.9/19

Left In: 191.837+/-0.054 χ^2/NDF :199350.3/7

171.582+/-0.034 χ^2/NDF : 1241228.2/26

166.588+/-0.033 χ^2/NDF : 1556508.4/27

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

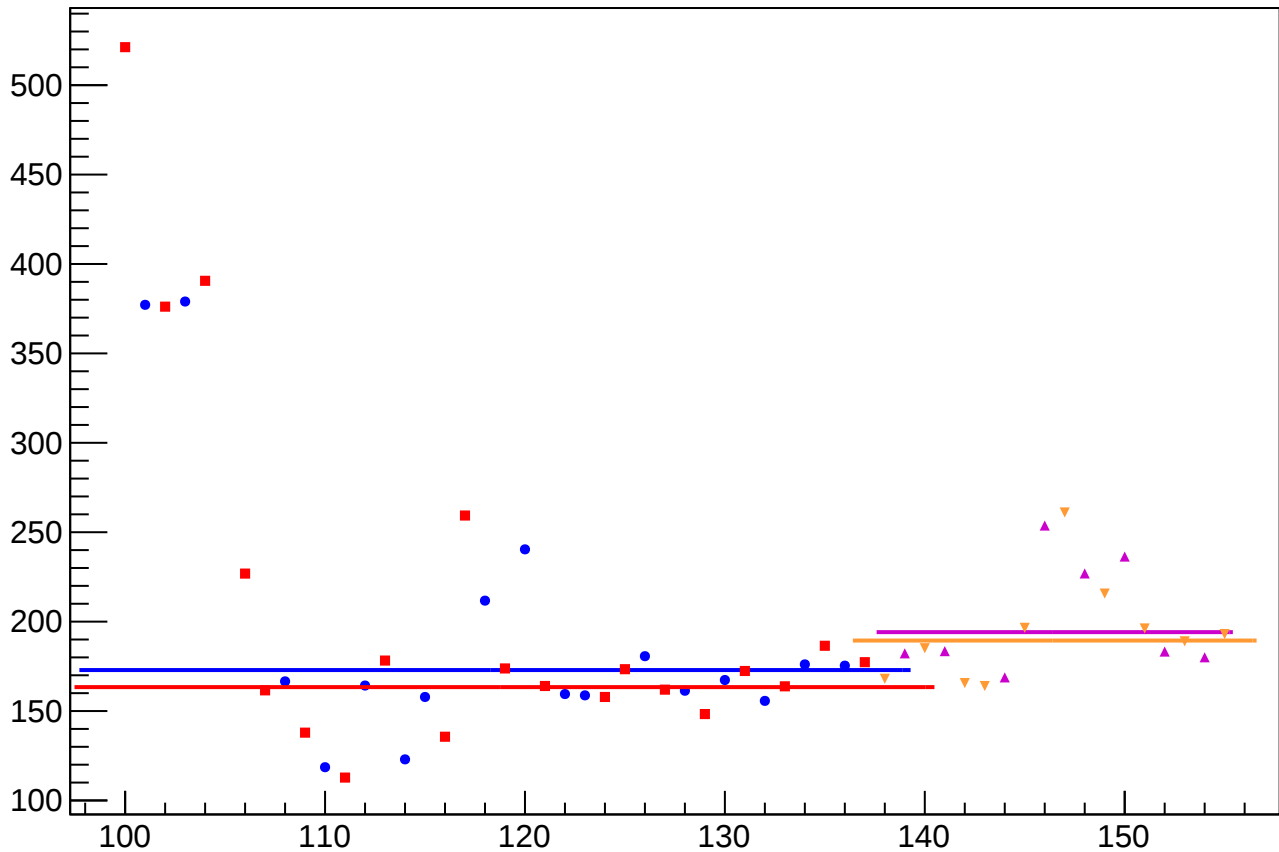
Right Out: 152871.618 $\pm$ 0.066 χ^2 /NDF: 720639345.6/19

Left In: 153157.462 $\pm$ 0.077 χ^2 /NDF: 436956553.8/7

152834.351 $\pm$ 0.051 χ^2 /NDF: 1130039864.8/26

152992.247 $\pm$ 0.050 χ^2 /NDF: 1165479978.6/27

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

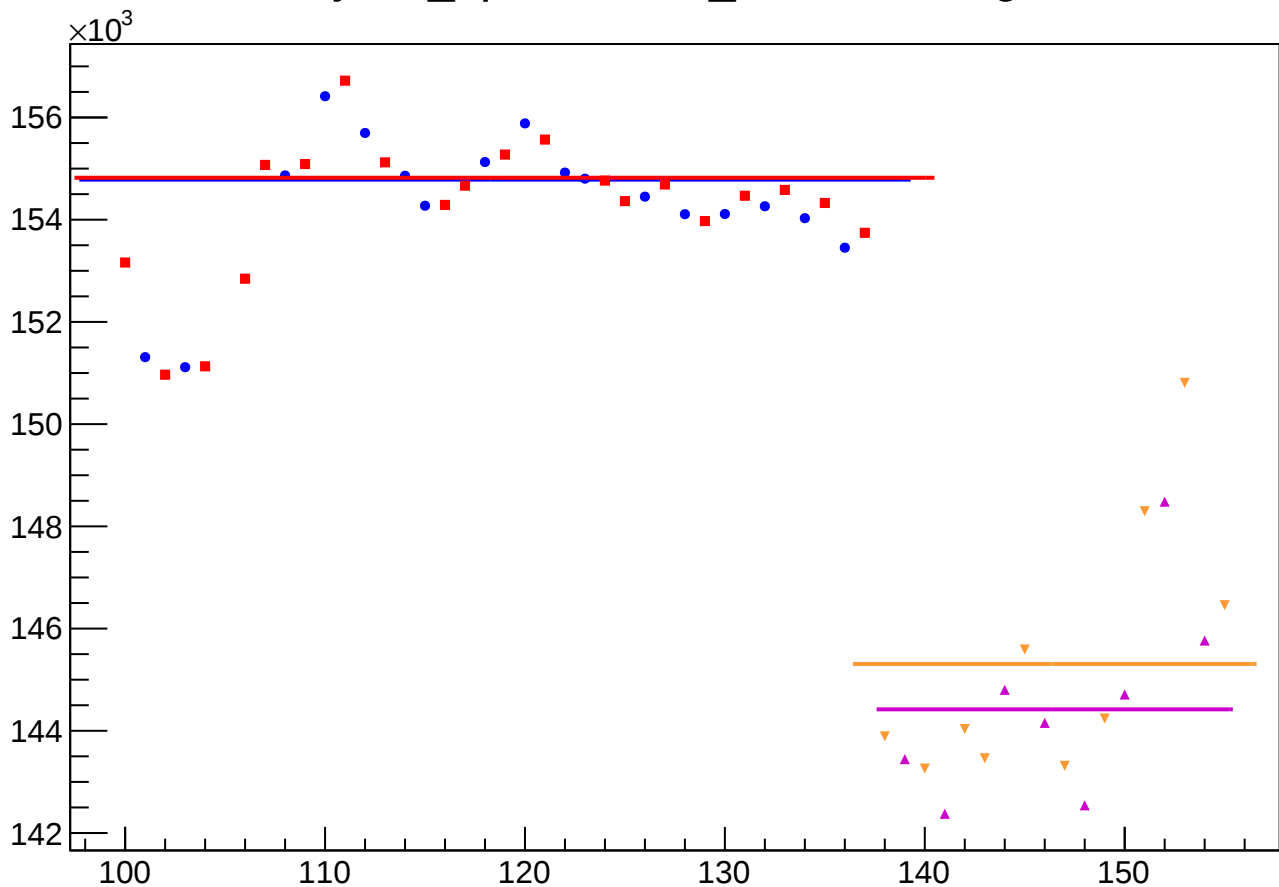
181.291+/-0.036 χ^2/NDF : 1212365.6/26

Right Out: 163.382+/-0.047 χ^2/NDF : 1044431.2/19

176.356+/-0.036 χ^2/NDF : 1466208.8/27

Left In: 194.126+/-0.055 χ^2/NDF : 239366.0/7

yield_bpm1i02WS_mean vs Slug



Right In: 154783.944+/-0.065 χ^2/NDF : 265581398.0/16

Left Out: 145308.103+/-0.065 χ^2/NDF : 1421573287.4/9

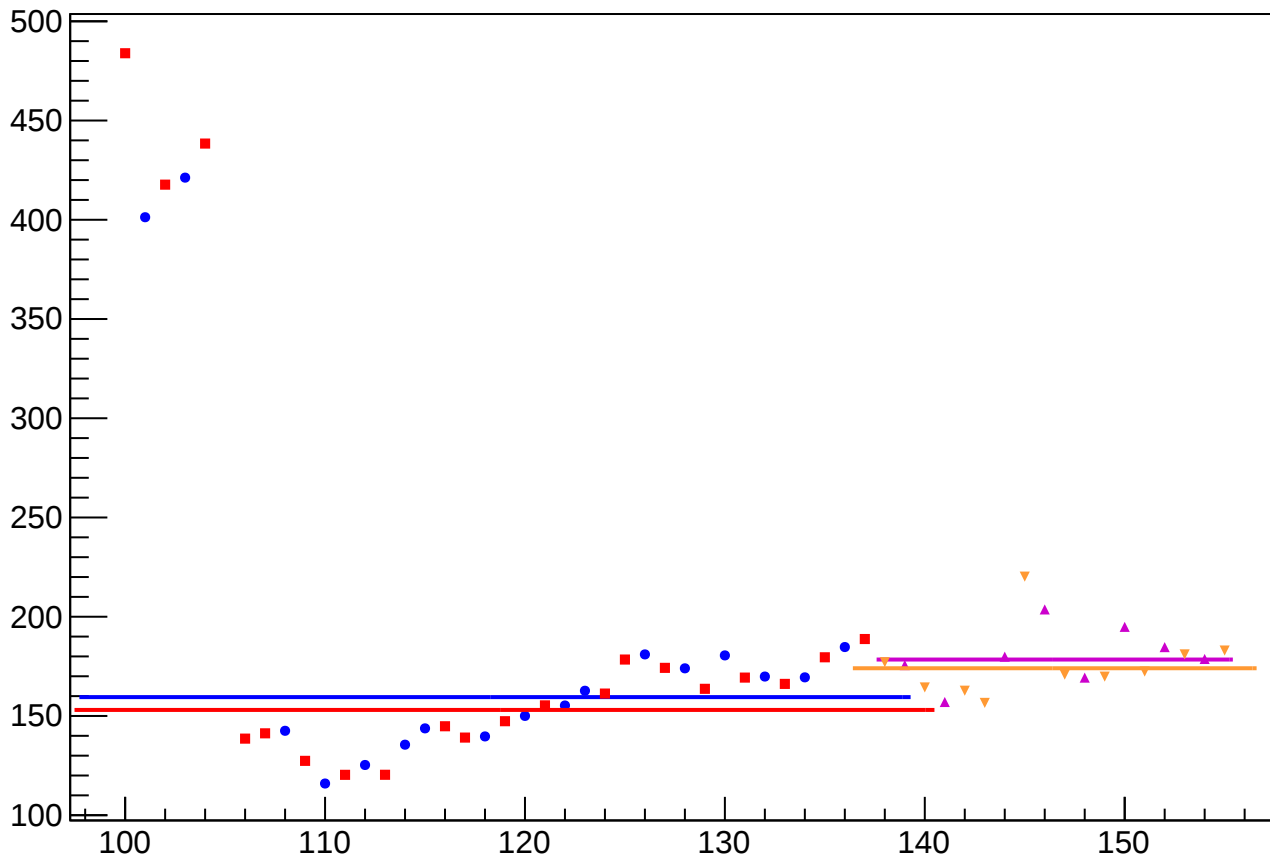
Right Out: 154820.824+/-0.061 χ^2/NDF : 293904936.4/19

Left In: 144419.684+/-0.070 χ^2/NDF : 710663539.7/7

150012.000+/-0.046 χ^2/NDF : 12269532887.5/2

150394.657+/-0.046 χ^2/NDF : 13525674544.5/2

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

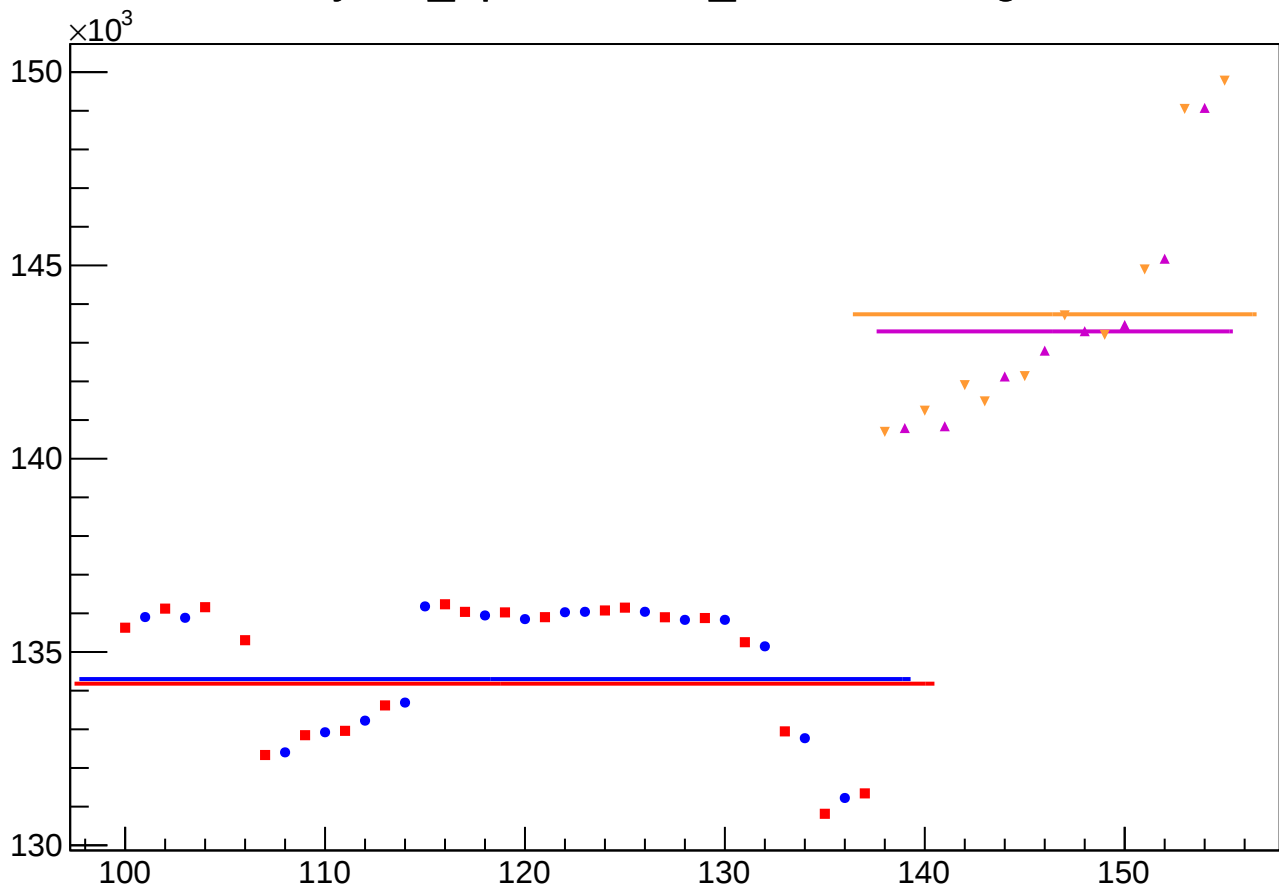
166.824 $\pm$ 0.033 χ^2 /NDF: 1282697.7/26

Right Out: 153.038 $\pm$ 0.043 χ^2 /NDF: 1174616.4/19

163.842 $\pm$ 0.032 χ^2 /NDF: 1398250.4/27

Left In: 178.428 $\pm$ 0.050 χ^2 /NDF:74408.6/7

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

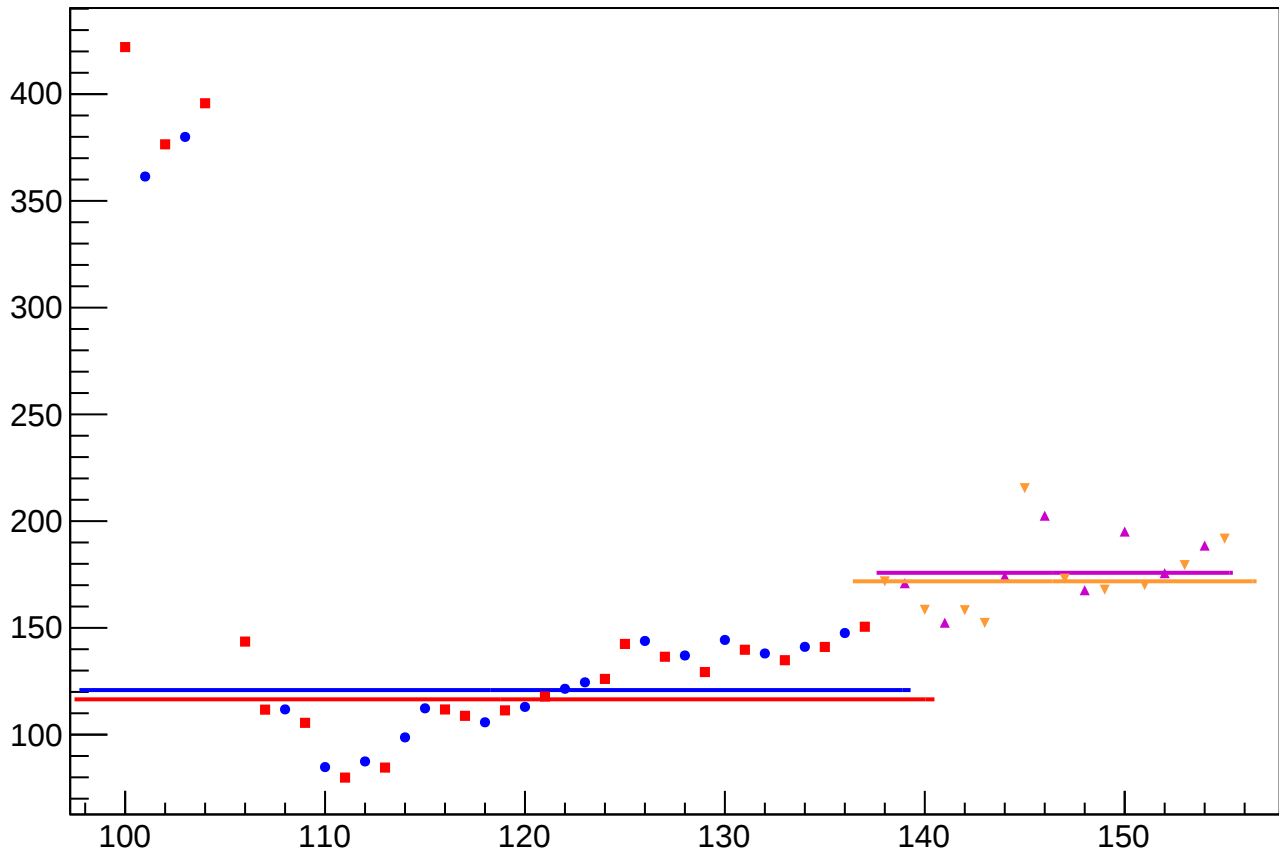
Right Out: 134180.888 $\pm$ 0.047 χ^2 /NDF: 1224202240.2/19

Left In: 143293.101 $\pm$ 0.070 χ^2 /NDF: 1275657091.1/7

137894.303 $\pm$ 0.040 χ^2 /NDF: 16677629112.0/2

137053.034 $\pm$ 0.039 χ^2 /NDF: 14247589639.7/2

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

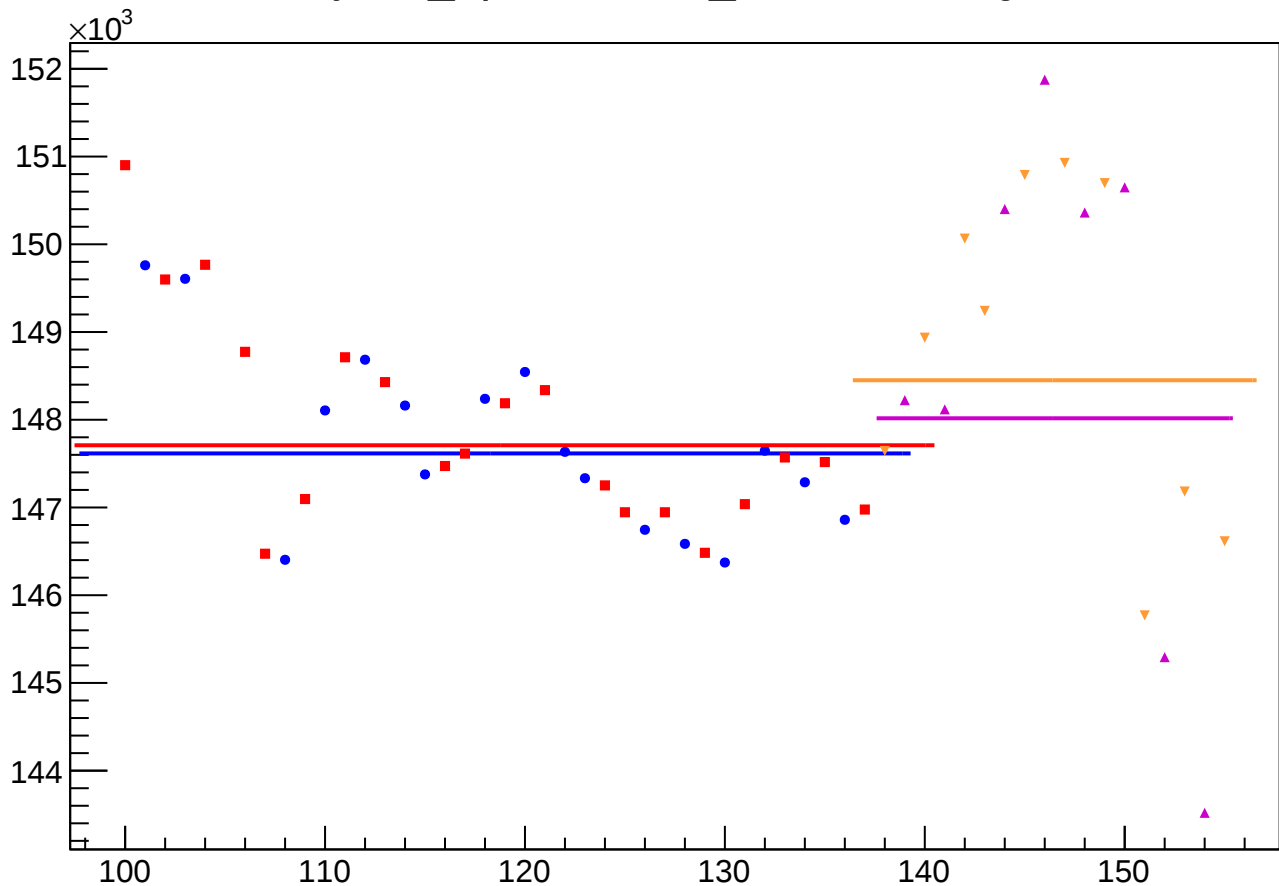
140.278+/-0.028 χ^2/NDF : 2365393.5/26

Right Out: 116.531+/-0.033 χ^2/NDF : 1541779.4/19

135.213+/-0.028 χ^2/NDF : 2631604.6/27

Left In: 175.800+/-0.049 χ^2/NDF :95801.7/7

yield_bpm1i06WS_mean vs Slug



Right In: 147616.150 ± 0.062 $\chi^2/\text{NDF}: 199263428.7/16$

Left Out: 148450.313 ± 0.074 $\chi^2/\text{NDF}: 563736060.0/9$

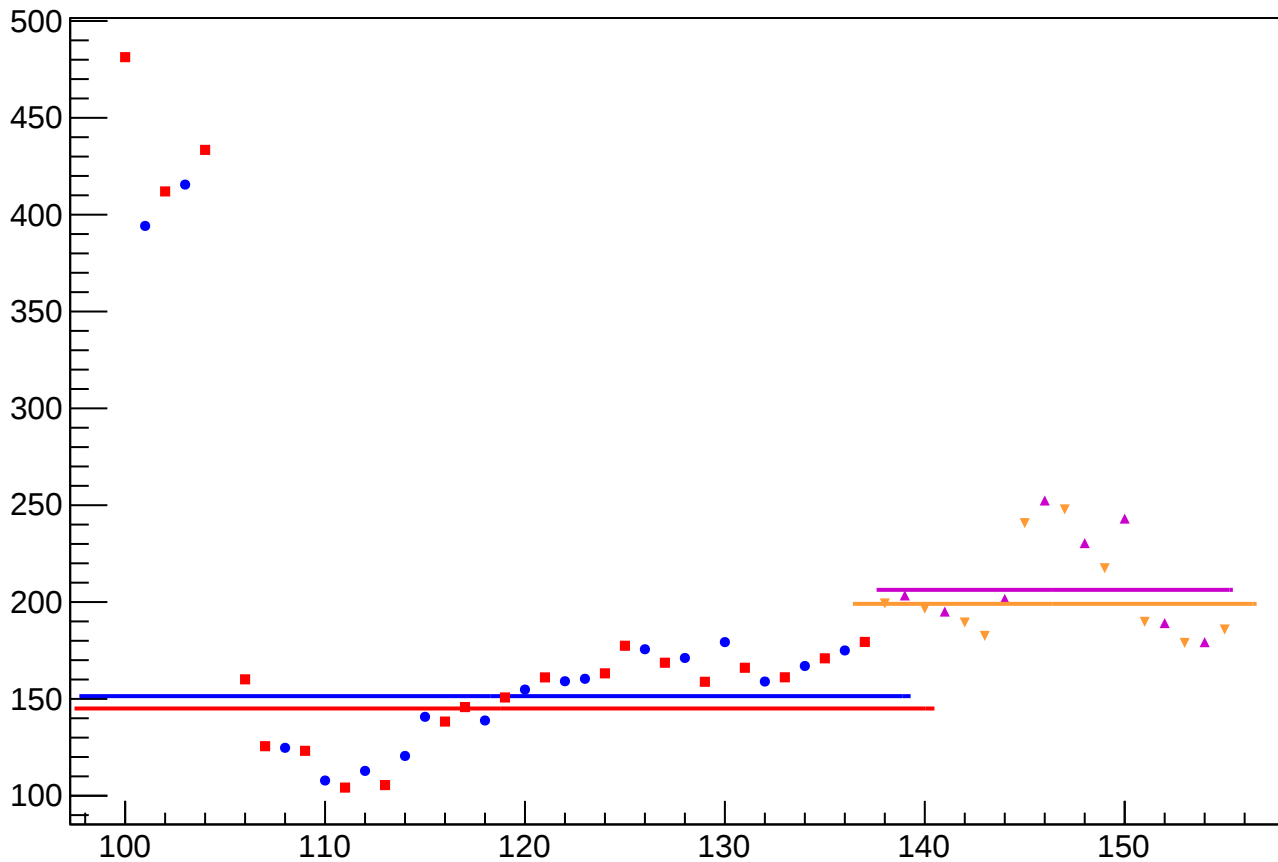
Right Out: 147709.096 ± 0.058 $\chi^2/\text{NDF}: 203924272.1/19$

Left In: 148016.671 ± 0.082 $\chi^2/\text{NDF}: 1174364870.0/7$

147960.794 ± 0.048 $\chi^2/\text{NDF}: 836635489.3/26$

147812.323 ± 0.047 $\chi^2/\text{NDF}: 1387683688.0/27$

yield_bpm1i06WS_rms vs Slug



Right In: 151.424+/-0.044 χ^2/NDF : 1257843.0/16

Left Out: 199.075+/-0.053 χ^2/NDF :162136.8/9

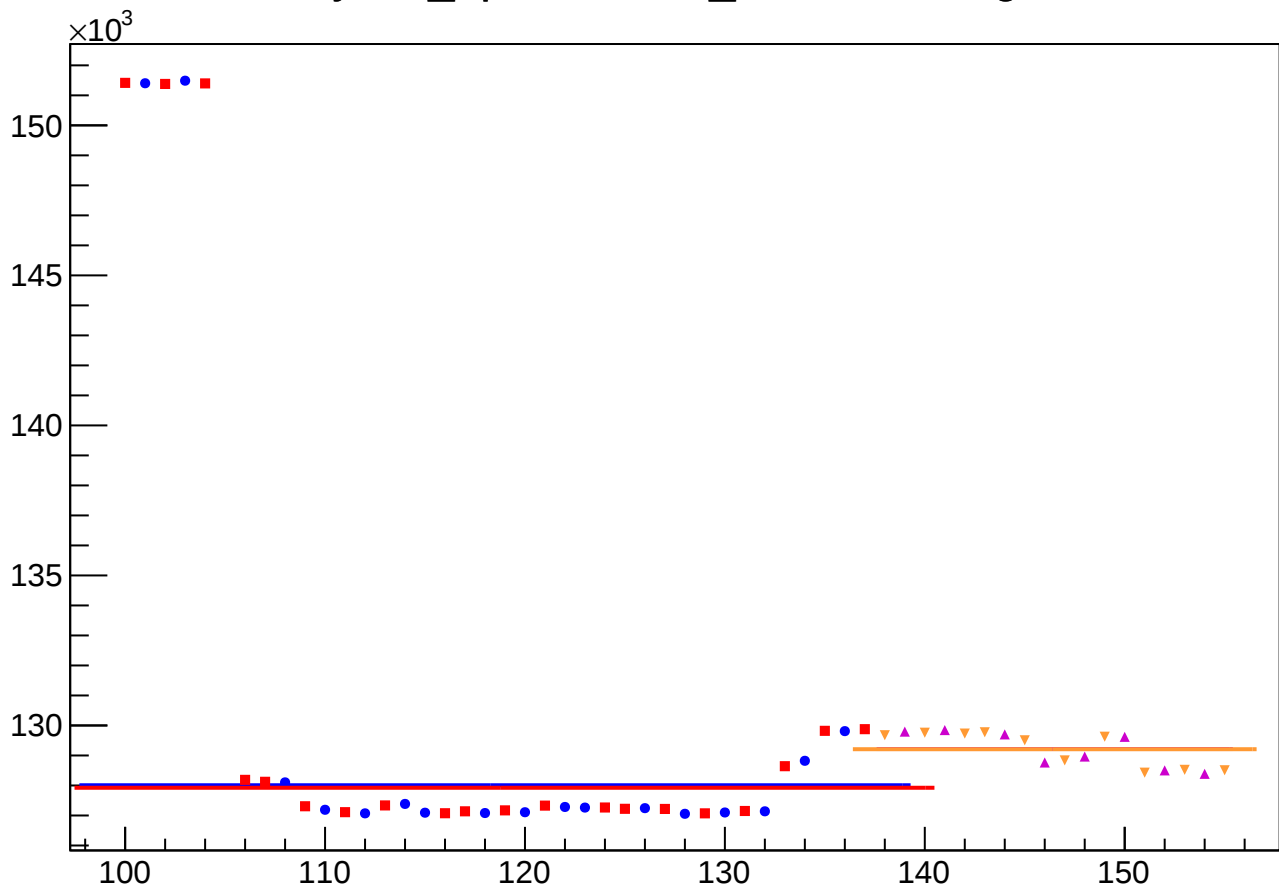
171.111+/-0.034 χ^2/NDF : 1900553.5/26

Right Out: 145.044+/-0.041 χ^2/NDF : 1375974.1/19

165.604+/-0.034 χ^2/NDF : 2288513.6/27

Left In: 206.305+/-0.058 χ^2/NDF :167178.2/7

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

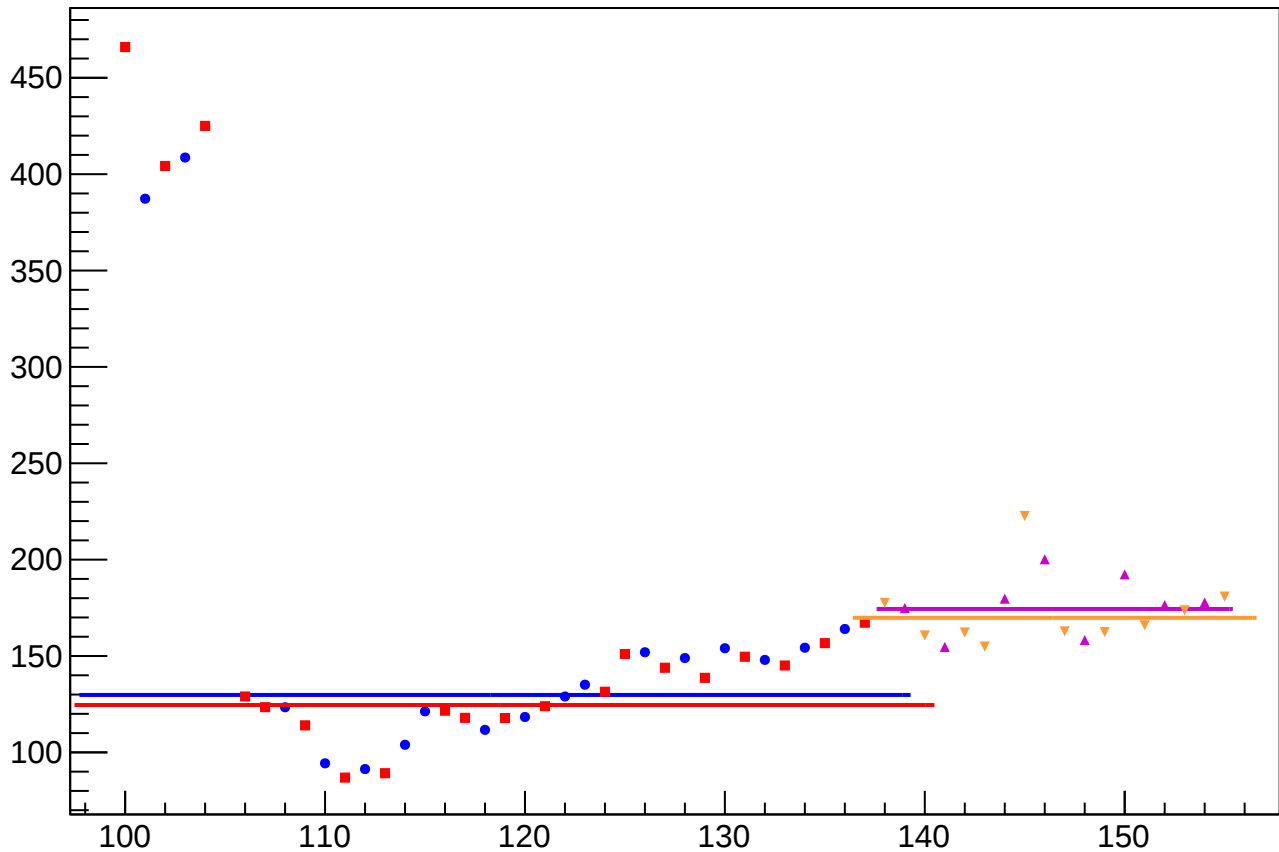
Right Out: 127923.940 $\pm$ 0.050 χ^2 /NDF: 3770107280.1/19

Left In: 129215.316 $\pm$ 0.069 χ^2 /NDF: 68572695.9/7

128514.442 $\pm$ 0.041 χ^2 /NDF: 4606950902.7/26

128371.347 $\pm$ 0.041 χ^2 /NDF: 4068100067.2/27

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

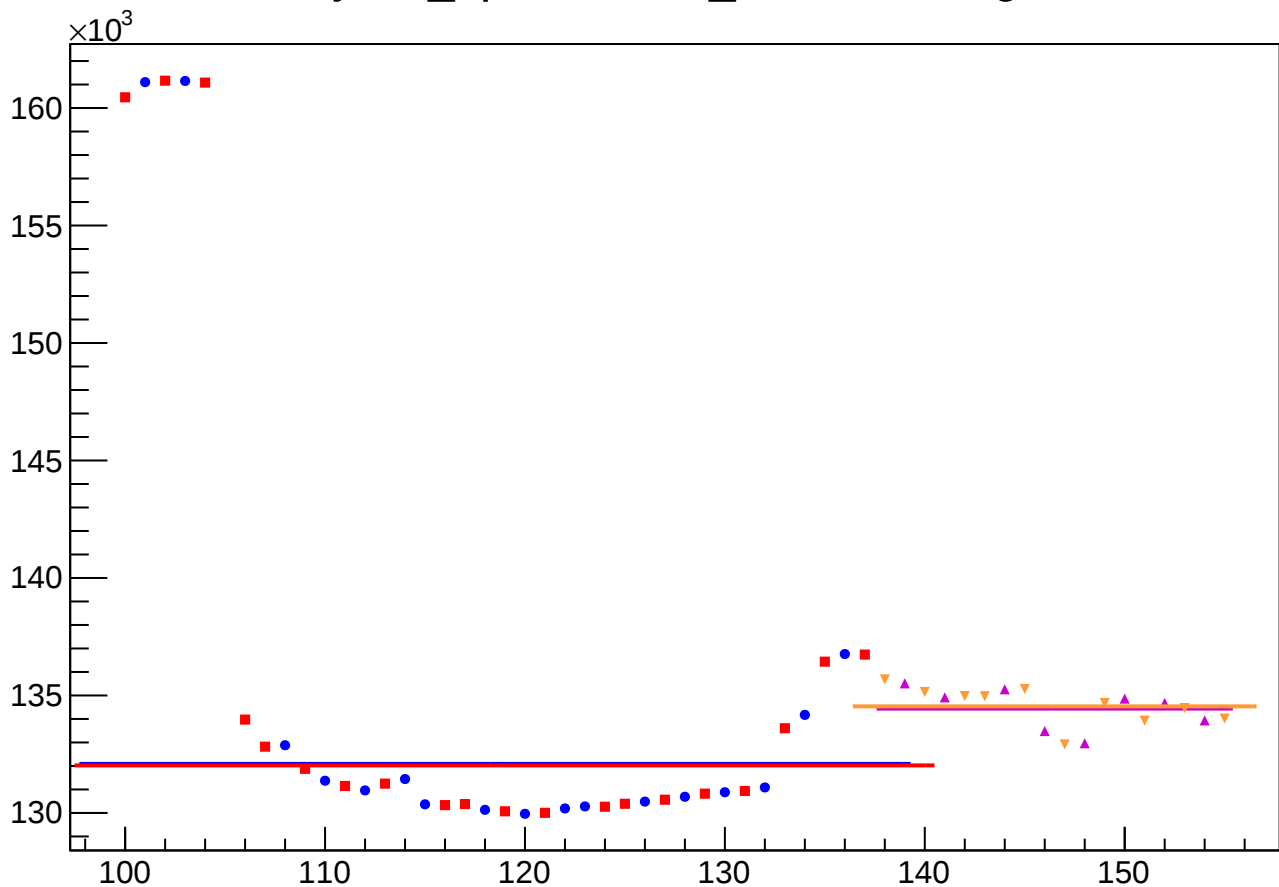
146.693+/-0.029 χ^2/NDF : 2068478.7/26

Right Out: 124.572+/-0.035 χ^2/NDF : 1532105.0/19

141.838+/-0.029 χ^2/NDF : 2302515.8/27

Left In: 174.409+/-0.049 χ^2/NDF :87033.6/7

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

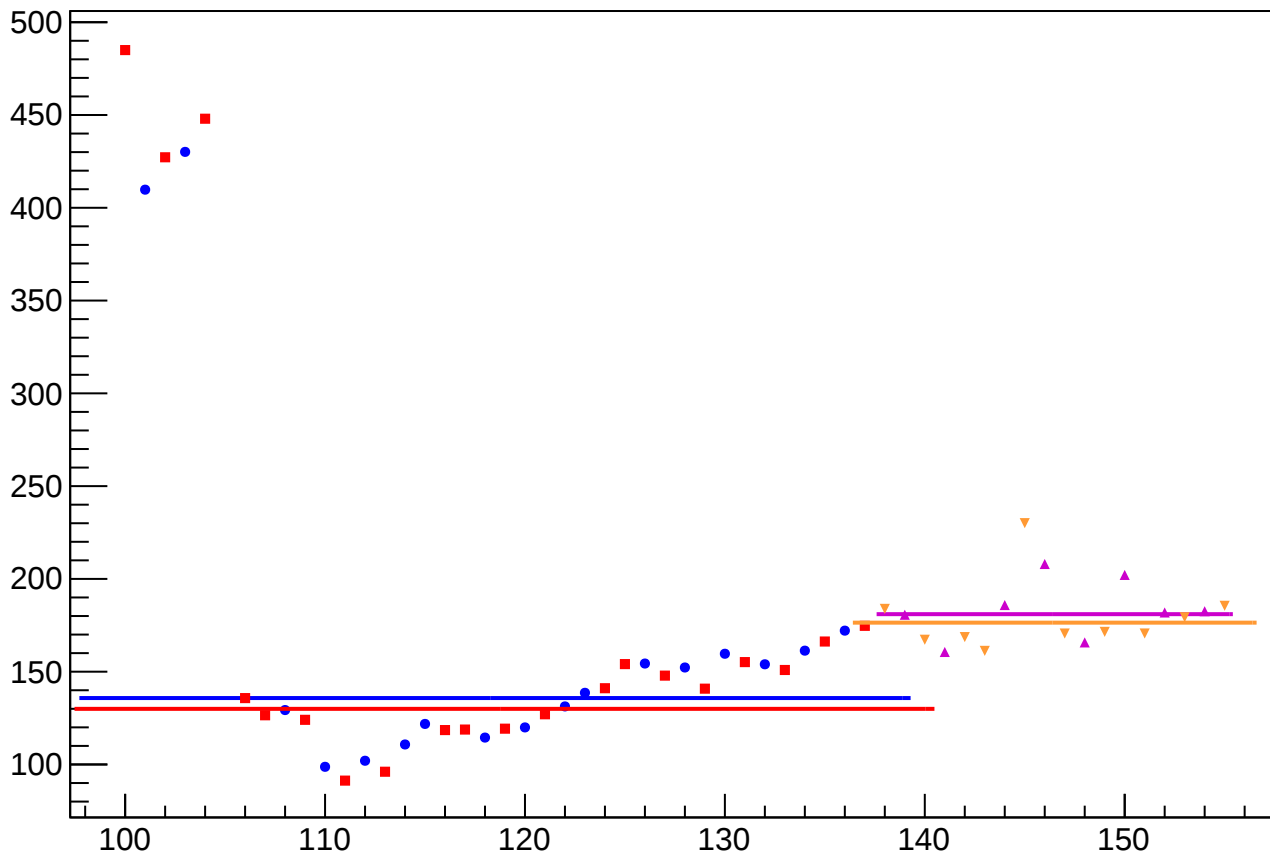
Right Out: 132023.609 $\pm$ 0.052 χ^2 /NDF: 5890492527.2/19

Left In: 134441.226 $\pm$ 0.072 χ^2 /NDF: 139415283.1/7

133127.480 $\pm$ 0.043 χ^2 /NDF: 7671672824.8/20

132865.930 $\pm$ 0.042 χ^2 /NDF: 6774156040.9/27

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

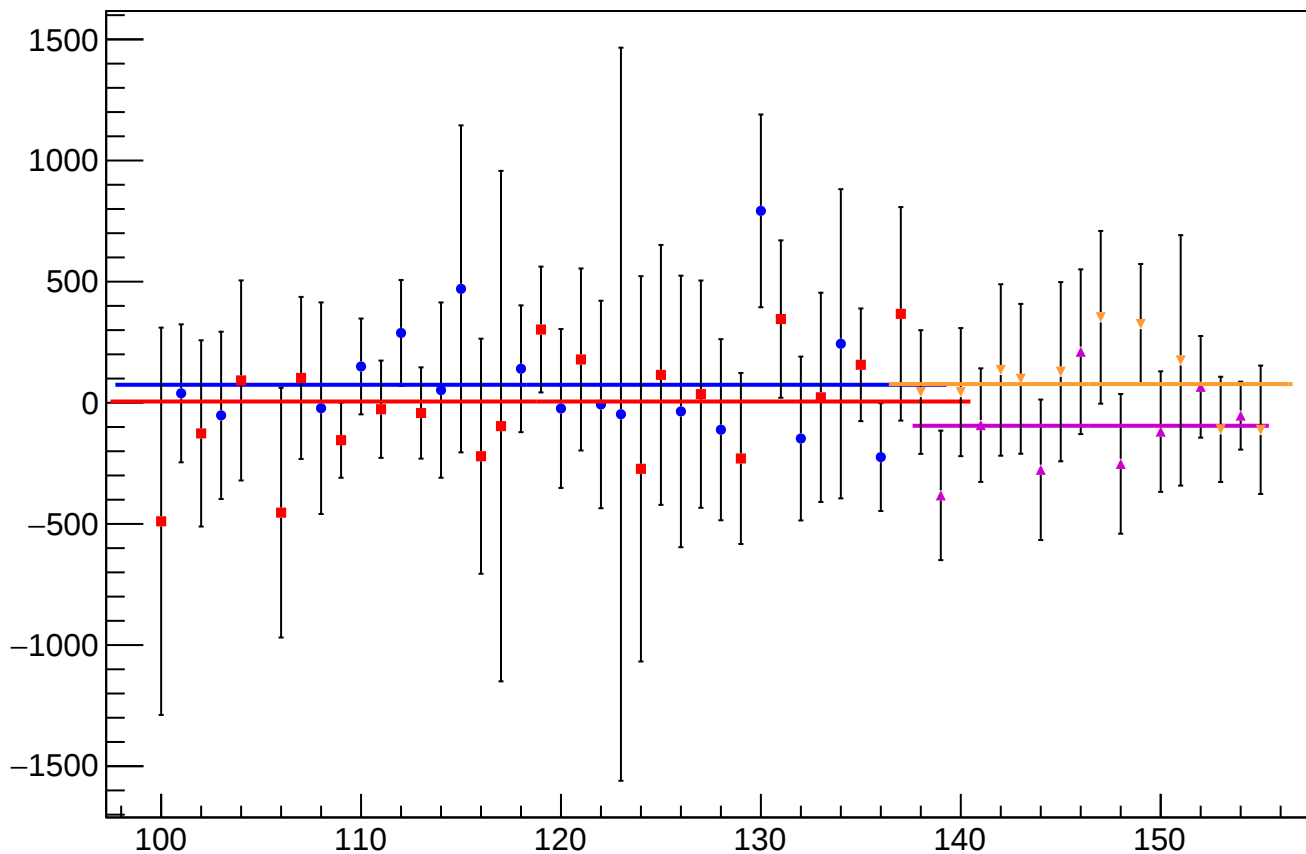
153.059 $\pm$ 0.030 χ^2 /NDF: 1993669.7/26

Right Out: 129.975 $\pm$ 0.037 χ^2 /NDF: 1504768.0/19

147.753 $\pm$ 0.030 χ^2 /NDF: 2254855.4/27

Left In: 181.002 $\pm$ 0.051 χ^2 /NDF:86994.7/7

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

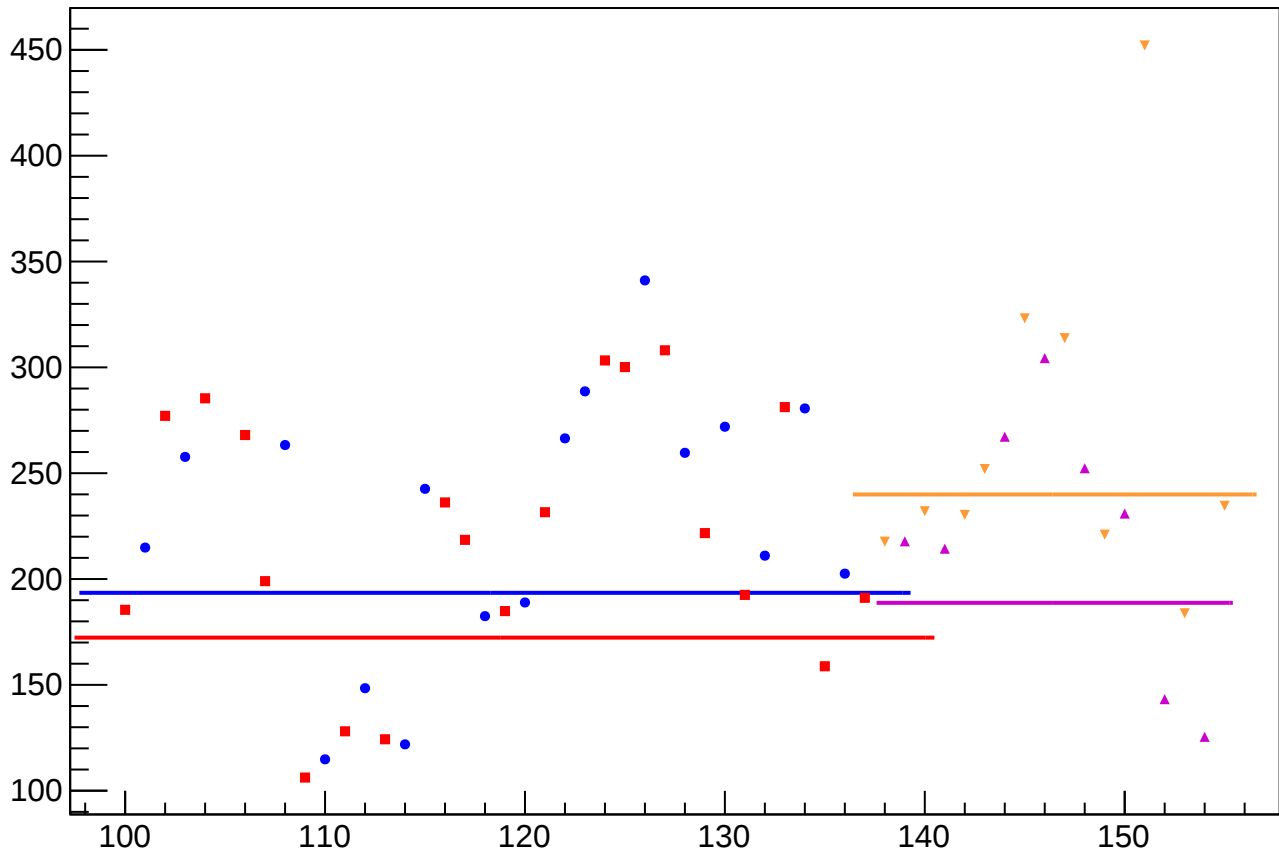
Right Out: 5.290+/-69.914 χ^2/NDF : 7.1/19

Left In: -94.815+/-80.451 χ^2/NDF : 3.3/7

75.536+/-59.883 χ^2/NDF : 10.6/26

-37.782+/-52.772 χ^2/NDF : 11.3/27

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

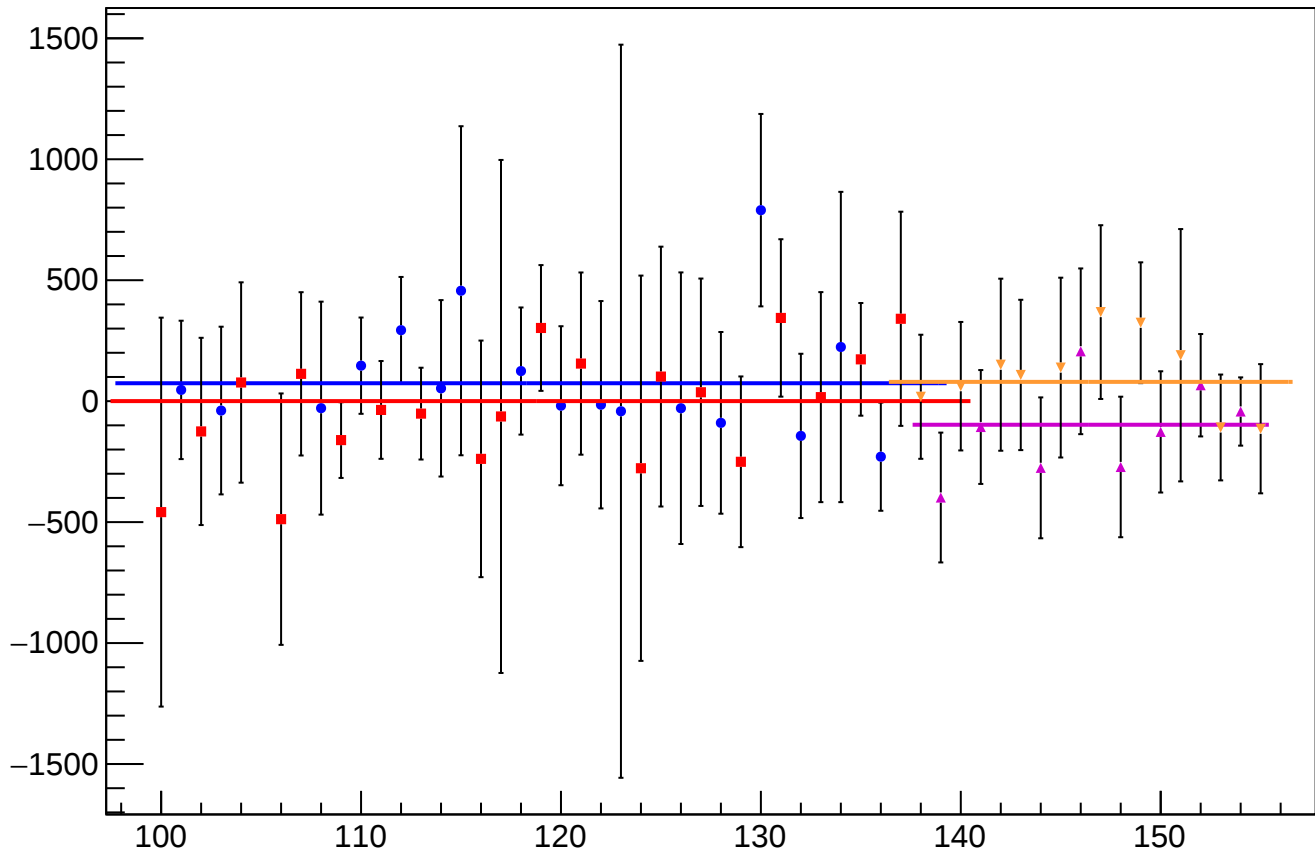
213.270+/-0.042 χ^2/NDF : 2003541.4/26

Right Out: 172.327+/-0.049 χ^2/NDF : 1583701.4/19

179.399+/-0.037 χ^2/NDF : 2712895.0/27

Left In: 188.763+/-0.057 χ^2/NDF : 1081631.9/7

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

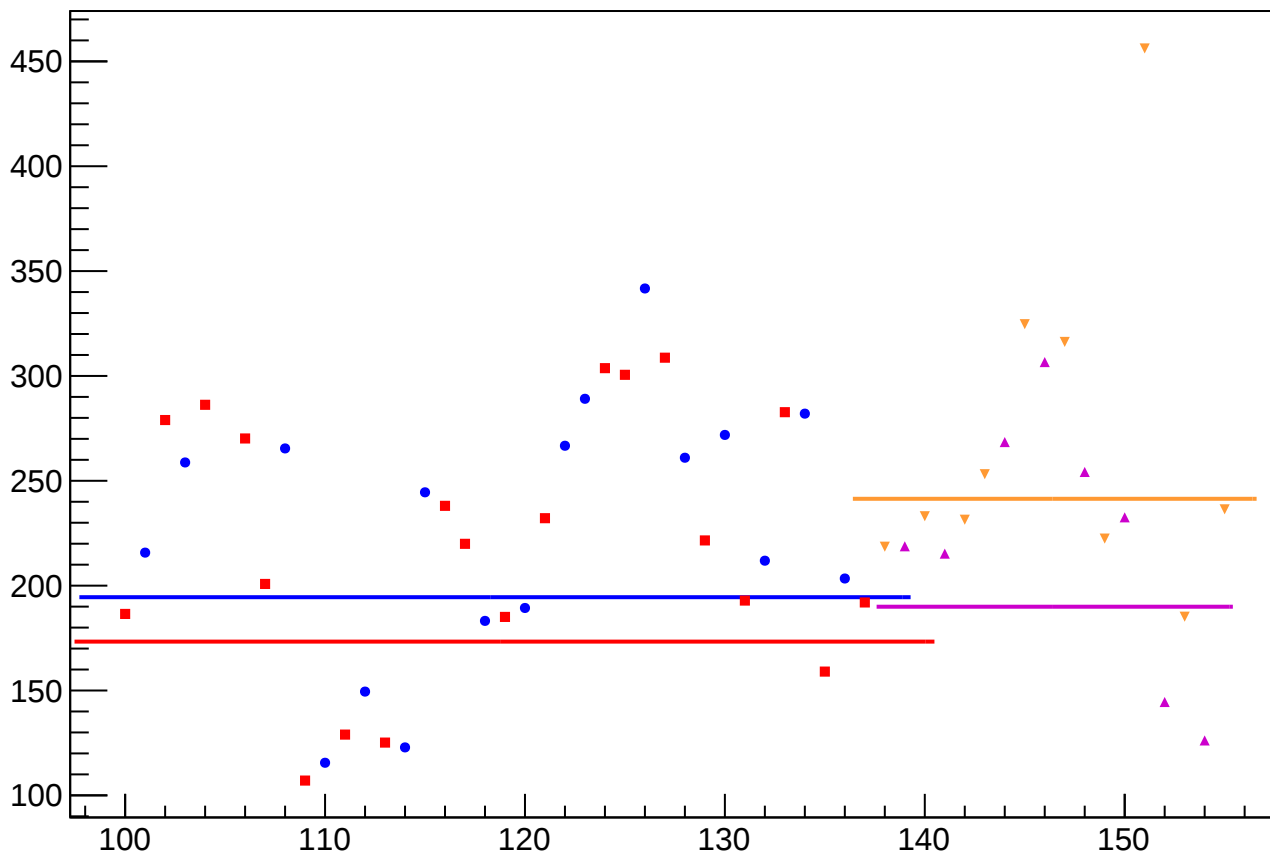
Right Out: 0.223+/-70.282 χ^2/NDF : 7.3/19

Left In: -97.502+/-80.957 χ^2/NDF : 3.5/7

76.500+/-60.207 χ^2/NDF : 10.6/26

-41.776+/-53.073 χ^2/NDF : 11.7/27

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

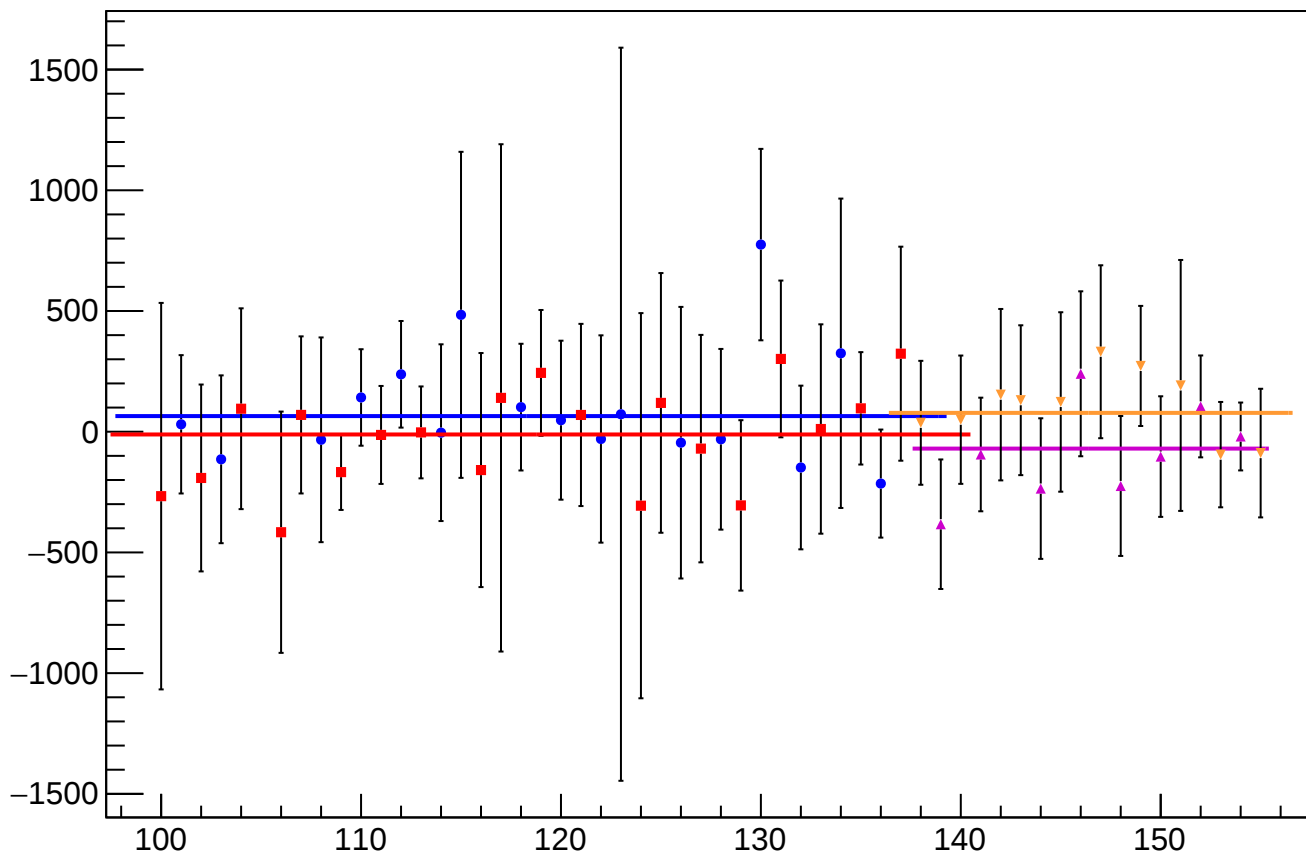
Right Out: 173.317+/-0.050 χ^2/NDF : 1571258.4/19

Left In: 189.955+/-0.057 χ^2/NDF :1079980.2/7

214.441+/-0.043 χ^2/NDF : 1998181.9/26

180.467+/-0.038 χ^2/NDF : 2699409.2/27

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

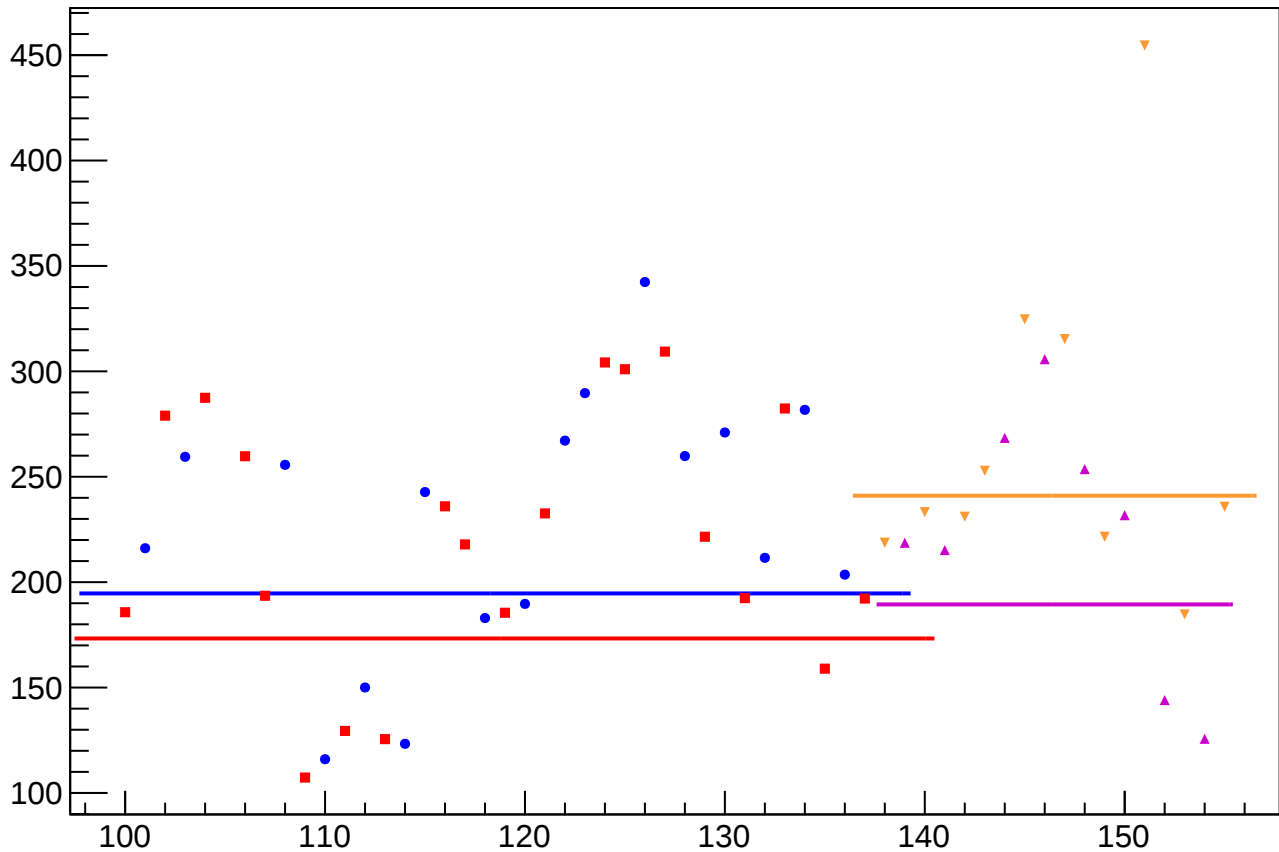
Right Out: -11.414 ± 70.204 χ^2/NDF : 5.8/19

Left In: -69.914 ± 80.756 χ^2/NDF : 3.6/7

70.405 ± 60.161 χ^2/NDF : 9.3/26

-36.595 ± 52.982 χ^2/NDF : 9.8/27

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

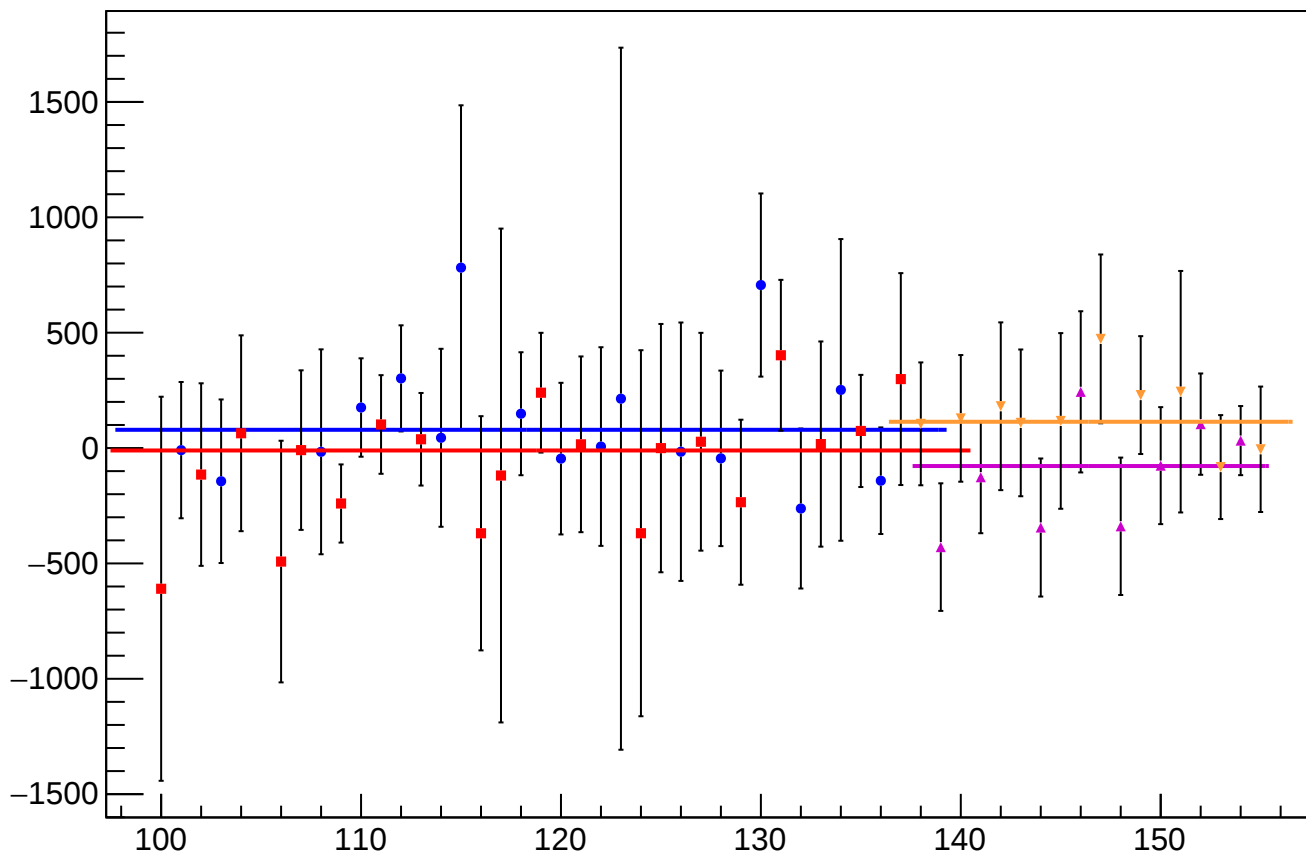
Right Out: 173.289 ± 0.050 χ^2/NDF : 1548162.6/19

Left In: 189.434 ± 0.057 χ^2/NDF : 1086175.8/7

214.395 ± 0.043 χ^2/NDF : 1969863.4/26

180.238 ± 0.037 χ^2/NDF : 2679867.7/27

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

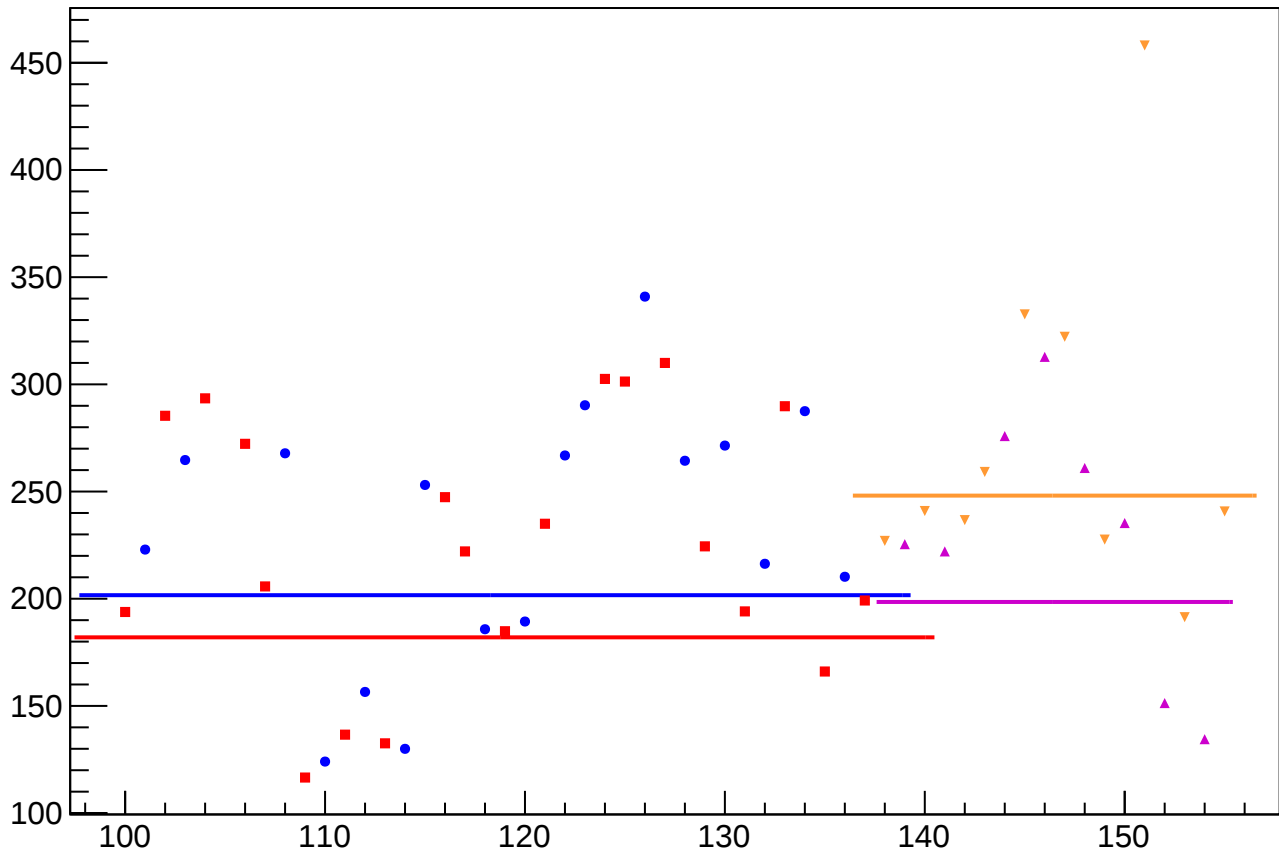
Right Out: -10.491+/-73.139 χ^2/NDF : 7.9/19

Left In: -77.912+/-84.036 χ^2/NDF : 5.3/7

94.006+/-61.944 χ^2/NDF : 9.8/26

-39.549+/-55.170 χ^2/NDF : 13.5/27

asym_bcm_dg_us_rms vs Slug



Right In: 201.654 $\pm$ 0.058 χ^2 /NDF: 883179.7/16

Left Out: 248.104 $\pm$ 0.067 χ^2 /NDF:662180.0/9

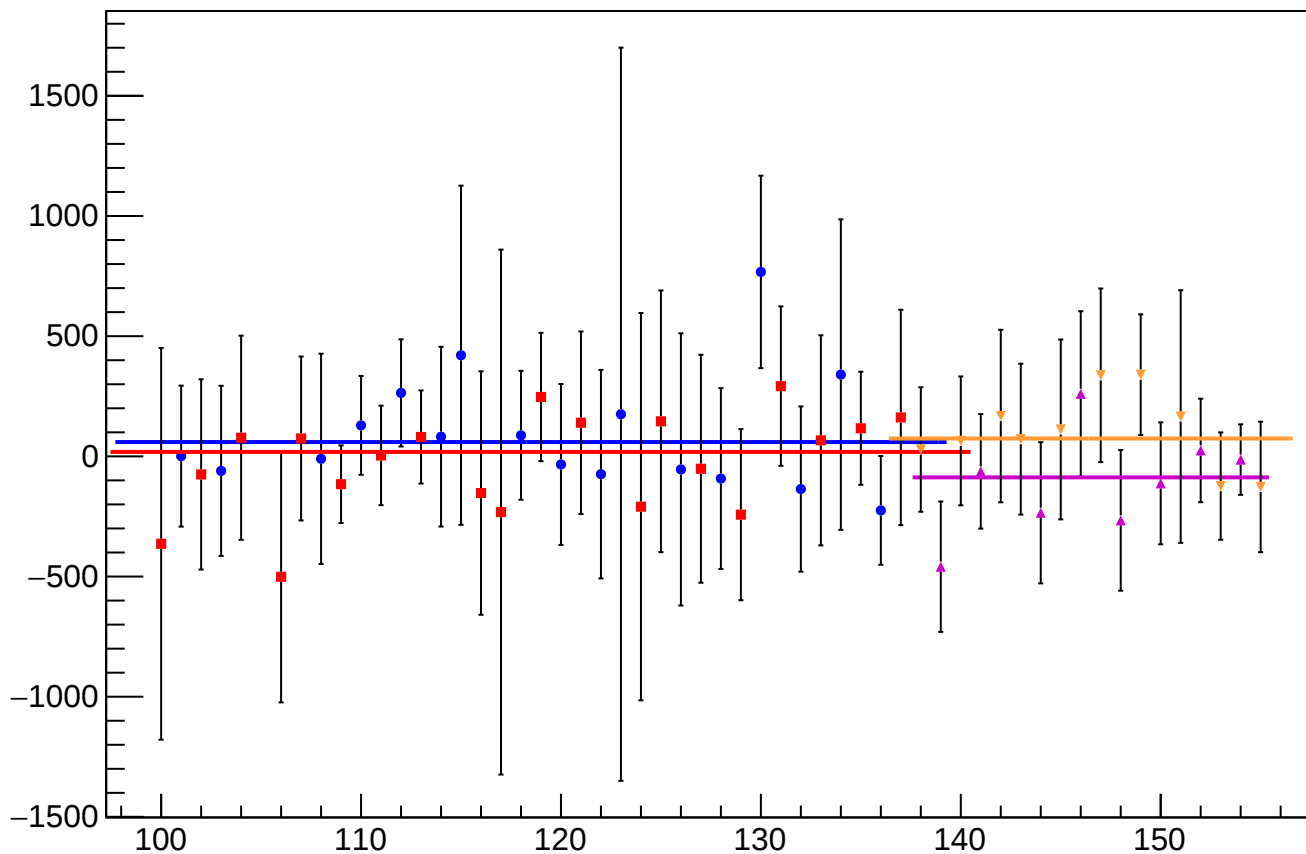
221.516 $\pm$ 0.044 χ^2 /NDF: 1820614.1/26

Right Out: 181.986 $\pm$ 0.052 χ^2 /NDF: 1380269.0/19

189.100 $\pm$ 0.039 χ^2 /NDF: 2398144.7/27

Left In: 198.492 $\pm$ 0.059 χ^2 /NDF:973970.1/7

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

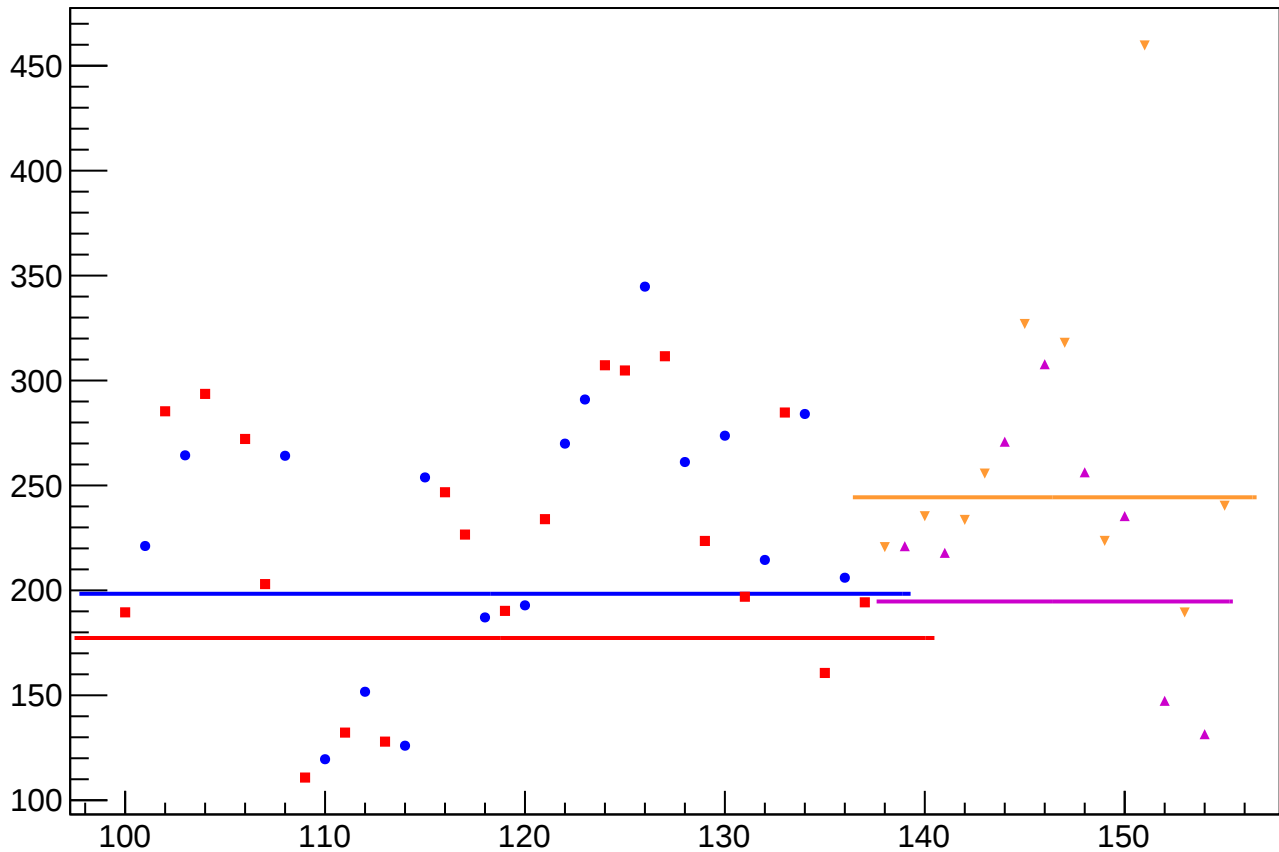
Right Out: 18.457 ± 71.711 χ^2/NDF : 4.8/19

Left In: -87.415 ± 82.619 χ^2/NDF : 4.1/7

65.839 ± 61.105 χ^2/NDF : 10.2/26

-27.033 ± 54.156 χ^2/NDF : 9.8/27

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378 $\pm$ 0.057 χ^2 /NDF: 963672.6/16

Left Out: 244.358 $\pm$ 0.066 χ^2 /NDF: 674677.6/9

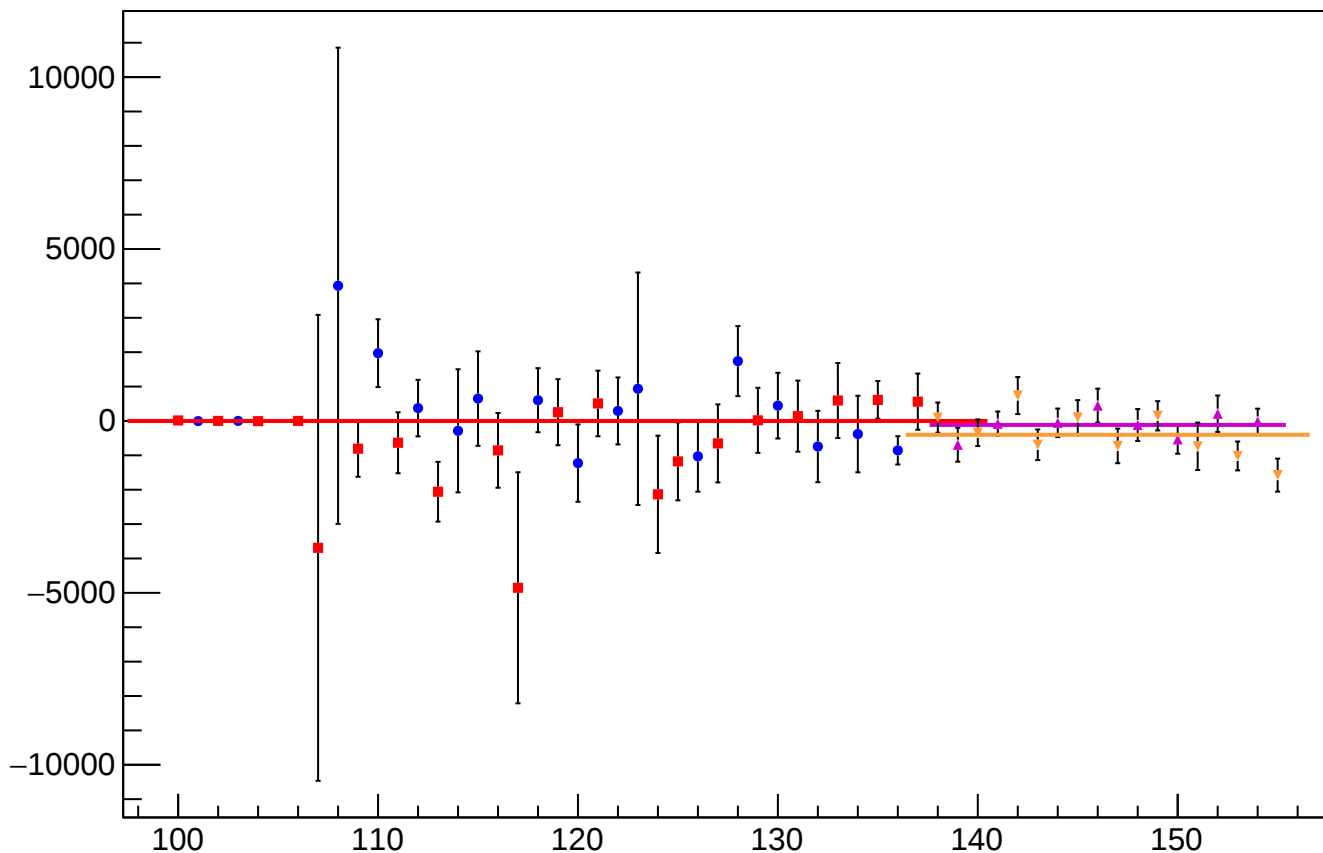
218.067 $\pm$ 0.043 χ^2 /NDF: 1915615.2/26

Right Out: 177.309 $\pm$ 0.051 χ^2 /NDF: 1528855.2/19

184.785 $\pm$ 0.038 χ^2 /NDF: 2575914.1/27

Left In: 194.708 $\pm$ 0.058 χ^2 /NDF: 996474.3/7

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

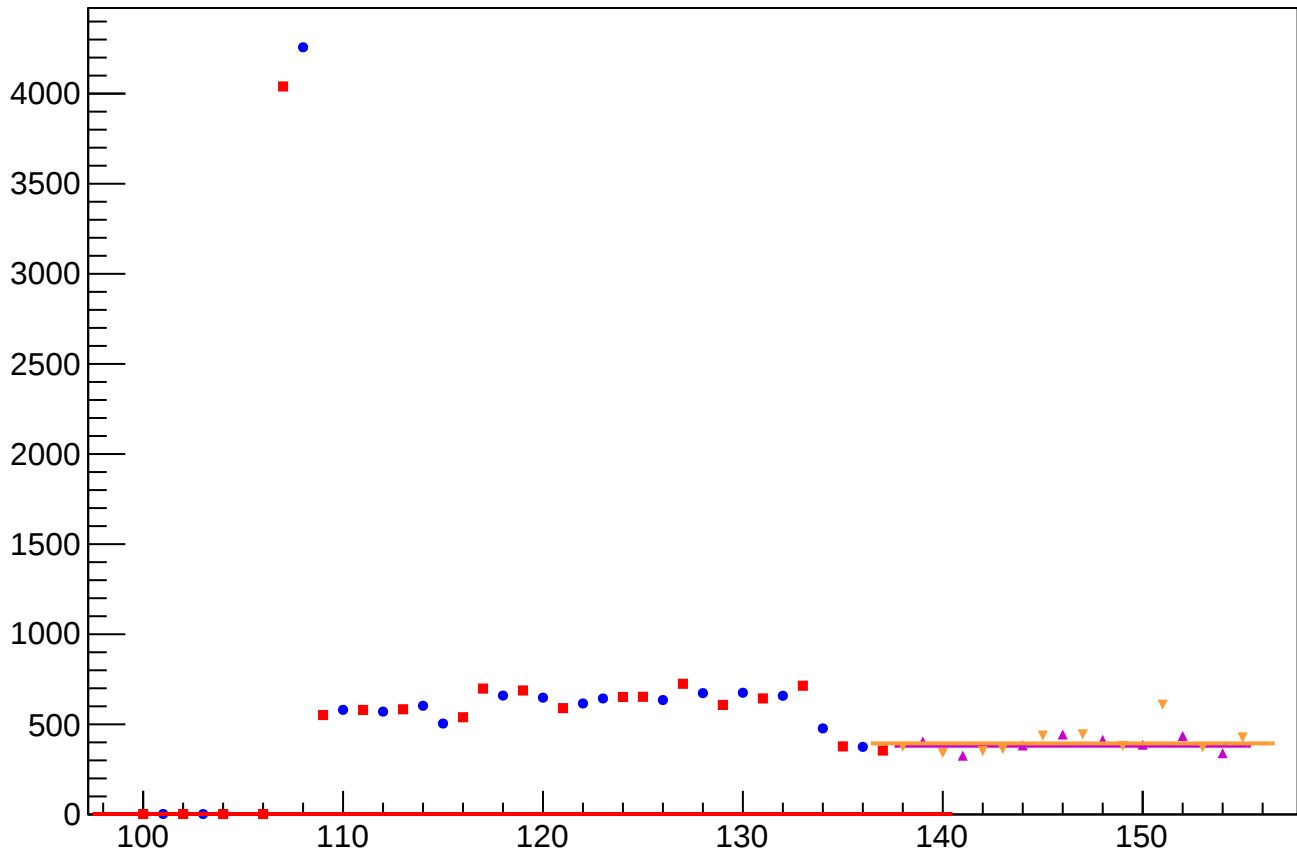
Right Out: -0.728 ± 2.111 χ^2/NDF : 21.4/19

Left In: -115.902 ± 152.452 χ^2/NDF : 4.1/7

-1.623 ± 2.251 χ^2/NDF : 42.0/26

-0.751 ± 2.111 χ^2/NDF : 26.1/27

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

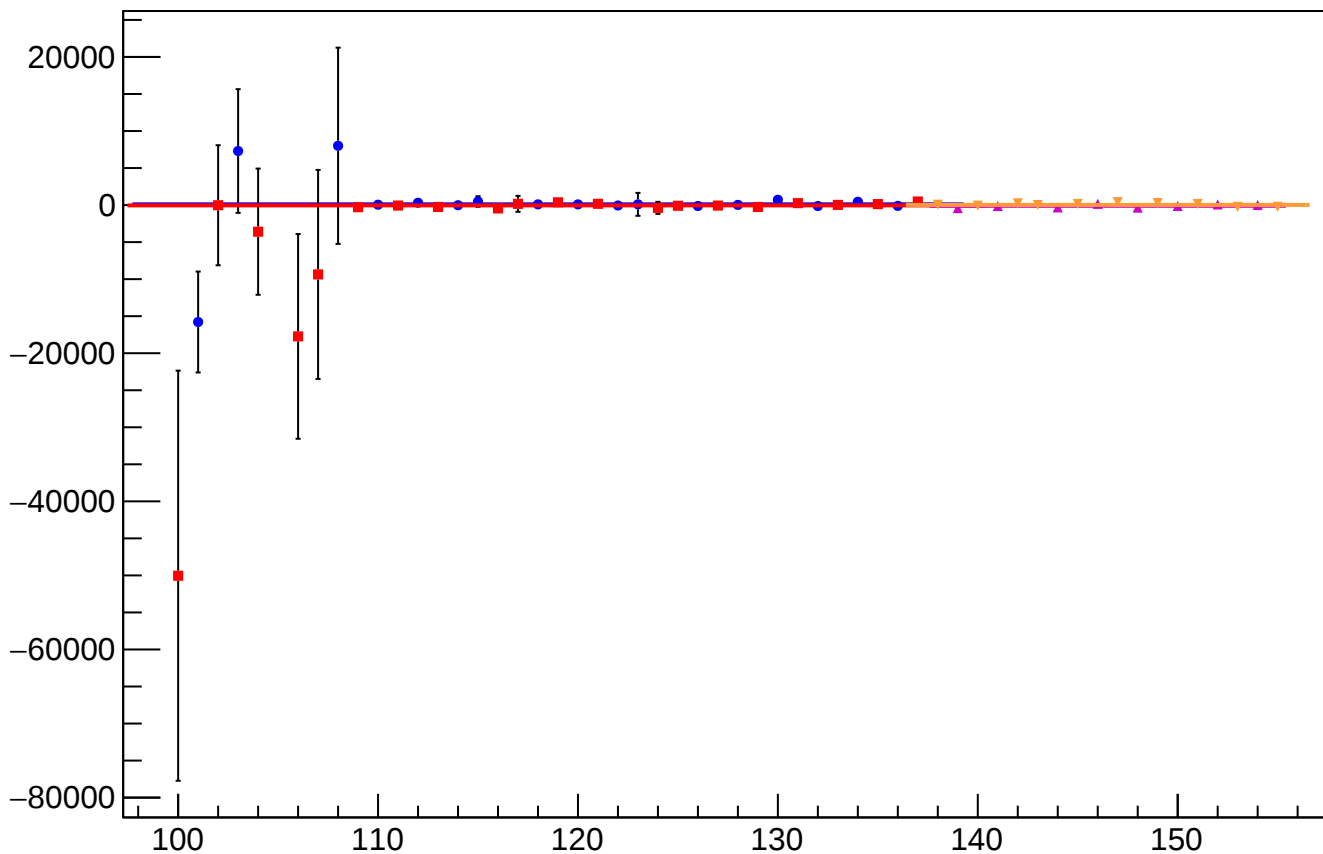
Right Out: 2.437+/-0.001 χ^2/NDF : 11233207.9/19

Left In: 381.580+/-0.108 χ^2/NDF : 140326.9/7

2.548+/-0.002 χ^2/NDF : 25243355.7/26

2.510+/-0.001 χ^2/NDF : 23741242.7/27

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

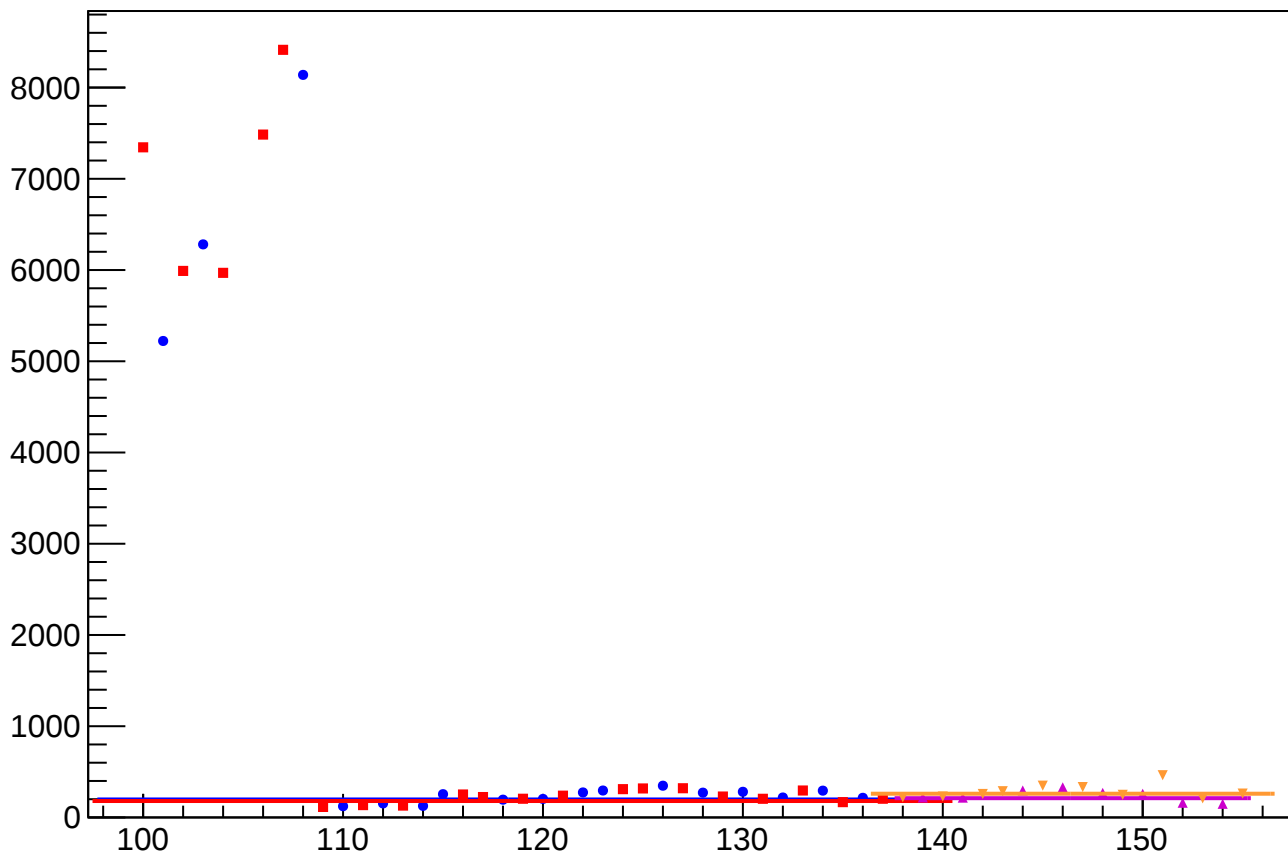
Right Out: -41.024+/-84.237 χ^2/NDF : 13.9/19

Left In: -94.463+/-88.797 χ^2/NDF : 4.1/7

63.803+/-67.007 χ^2/NDF : 16.5/26

-66.336+/-61.113 χ^2/NDF : 18.2/27

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

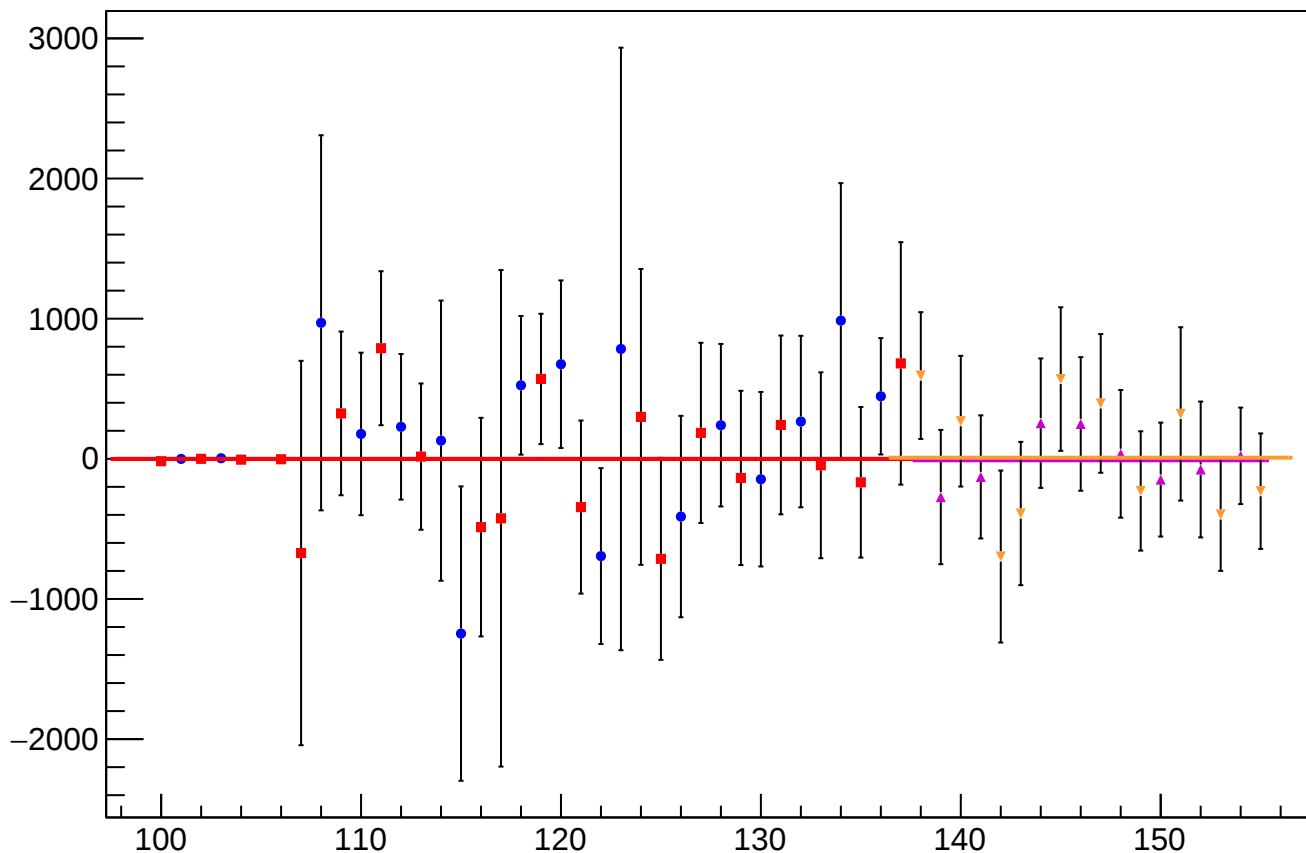
Right Out: 180.217+/-0.060 χ^2/NDF : 4324457.3/19

Left In: 211.197+/-0.063 χ^2/NDF : 848317.0/7

225.870+/-0.047 χ^2/NDF : 4776461.4/26

194.891+/-0.043 χ^2/NDF : 5300903.0/27

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 $\chi^2/\text{NDF}: 9.7/16$

Left Out: 7.837 ± 150.667 $\chi^2/\text{NDF}: 7.6/9$

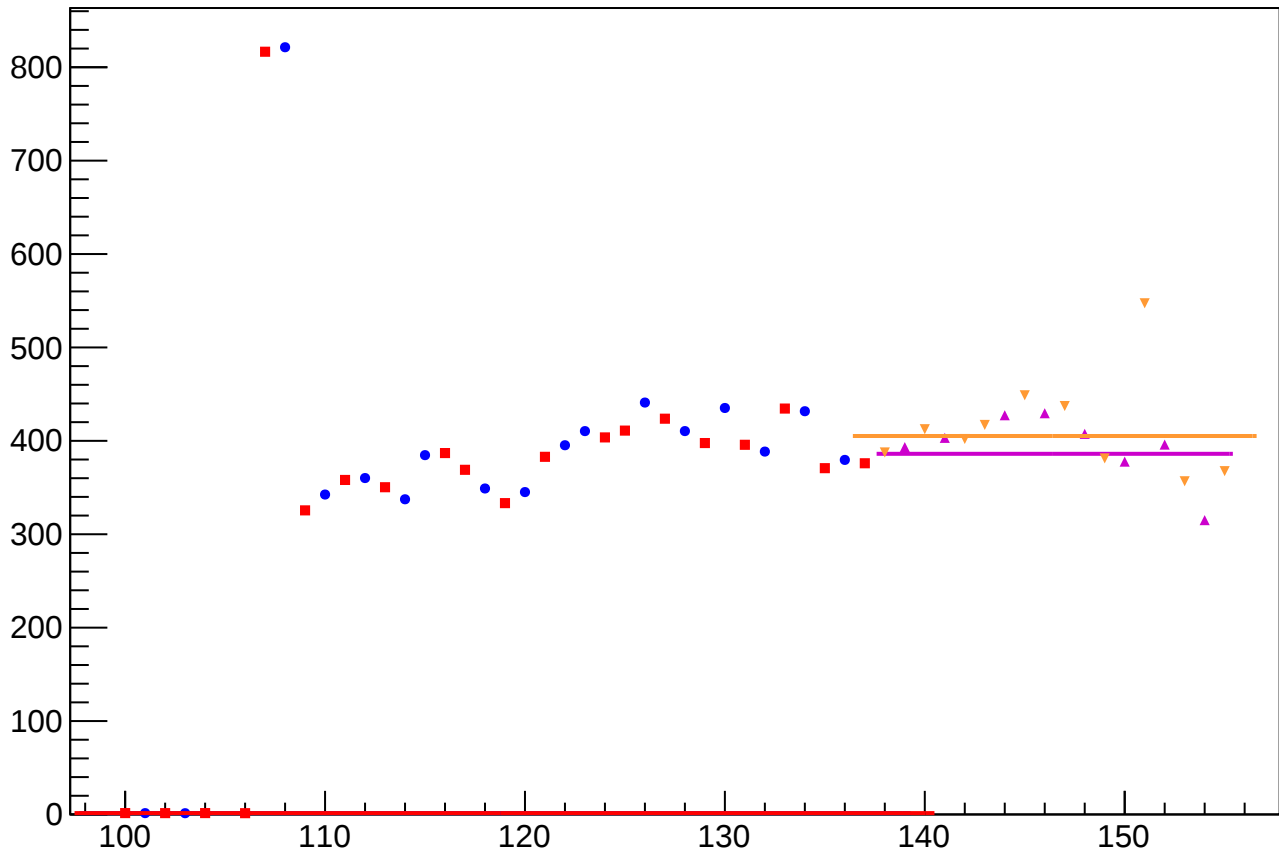
Right Out: -1.324 ± 1.623 $\chi^2/\text{NDF}: 9.7/19$

Left In: -10.446 ± 153.944 $\chi^2/\text{NDF}: 1.2/7$

-0.137 ± 1.736 $\chi^2/\text{NDF}: 17.4/26$

-1.325 ± 1.622 $\chi^2/\text{NDF}: 10.8/27$

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

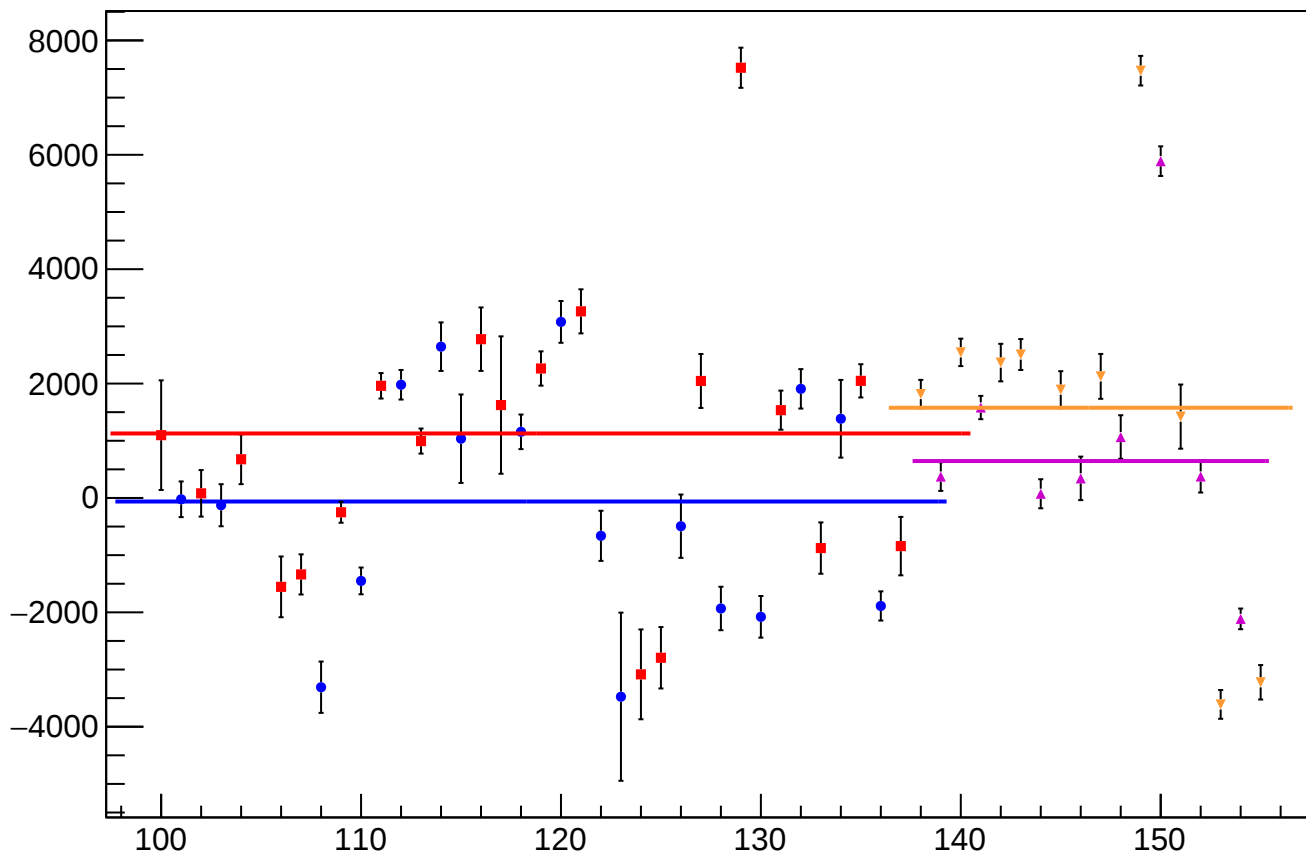
Right Out: 1.451+/-0.001 χ^2/NDF : 10966832.6/19

Left In: 386.122+/-0.109 χ^2/NDF :127232.1/7

1.506+/-0.001 χ^2/NDF : 25501947.1/26

1.494+/-0.001 χ^2/NDF : 23580437.4/27

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 $\chi^2/\text{NDF}: 433.9/16$

Left Out: 1577.034 ± 92.210 $\chi^2/\text{NDF}: 1236.2/9$

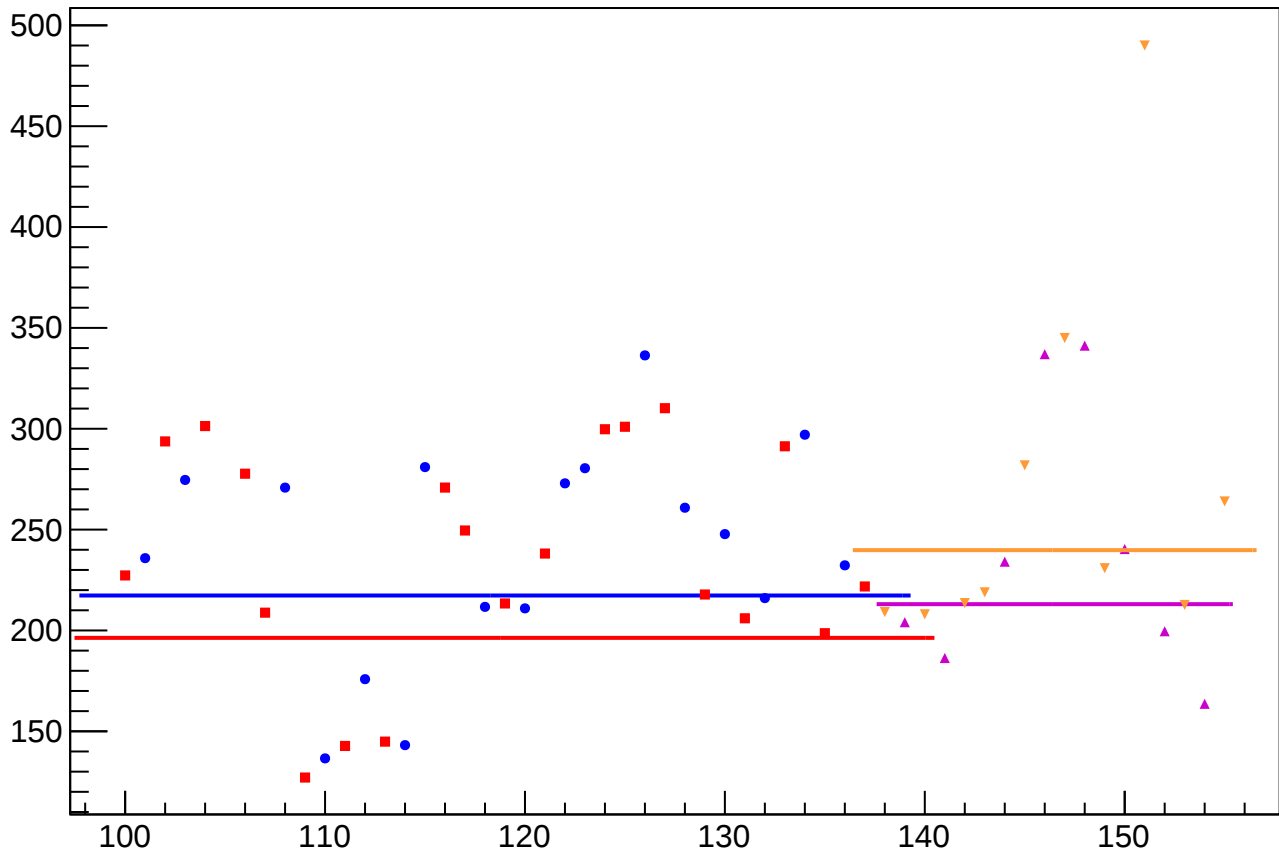
Right Out: 1127.552 ± 78.203 $\chi^2/\text{NDF}: 671.4/19$

Left In: 645.586 ± 88.557 $\chi^2/\text{NDF}: 671.9/7$

713.794 ± 63.442 $\chi^2/\text{NDF}: 1836.6/26$

916.378 ± 58.619 $\chi^2/\text{NDF}: 1359.9/27$

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

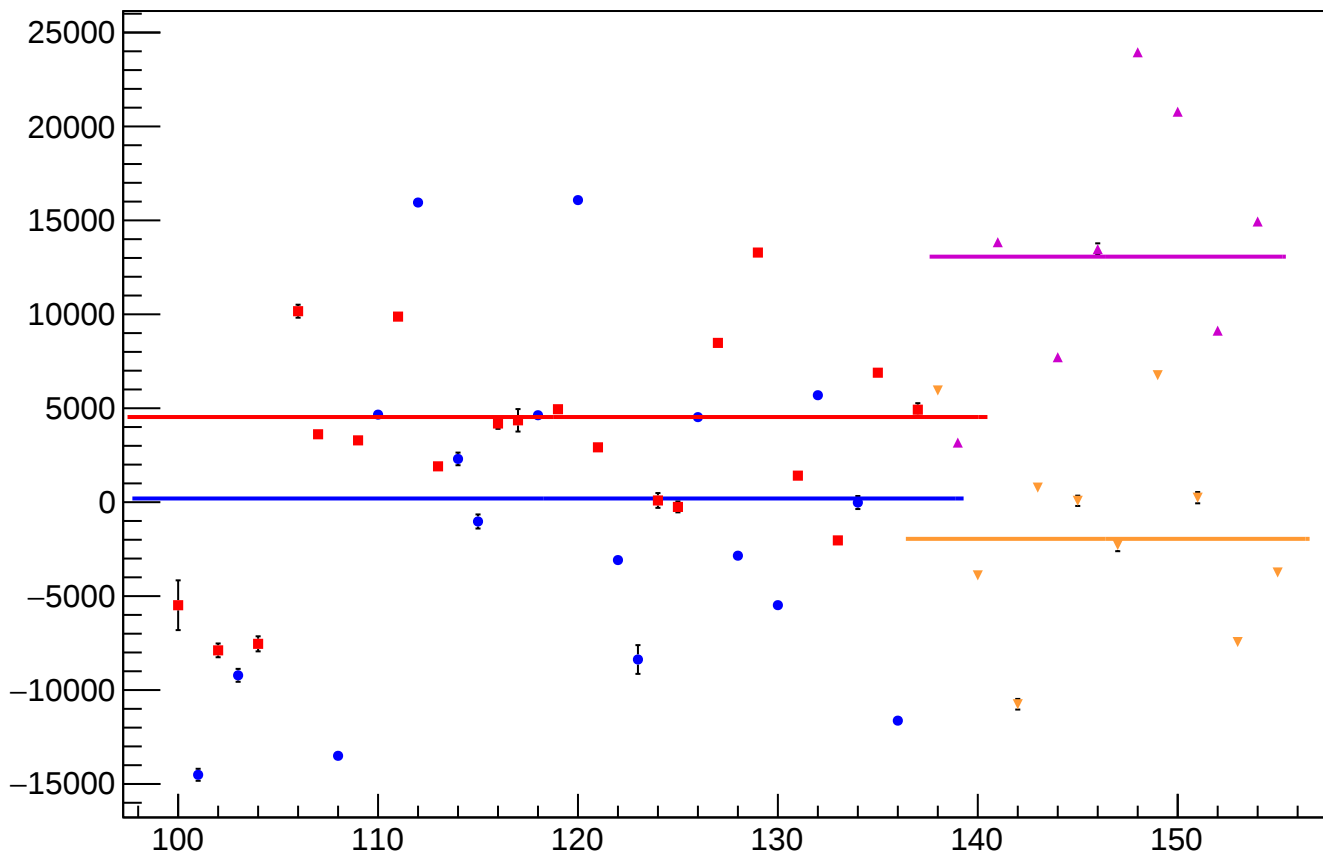
Right Out: 196.332+/-0.055 χ^2/NDF : 1194678.0/19

Left In: 213.034+/-0.063 χ^2/NDF : 665311.4/7

227.973+/-0.045 χ^2/NDF : 1419827.2/26

203.650+/-0.041 χ^2/NDF : 1899959.9/27

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 ± 54.799 $\chi^2/\text{NDF}: 30658.3/16$

Left Out: -1951.739 ± 68.145 $\chi^2/\text{NDF}: 5892.2/9$

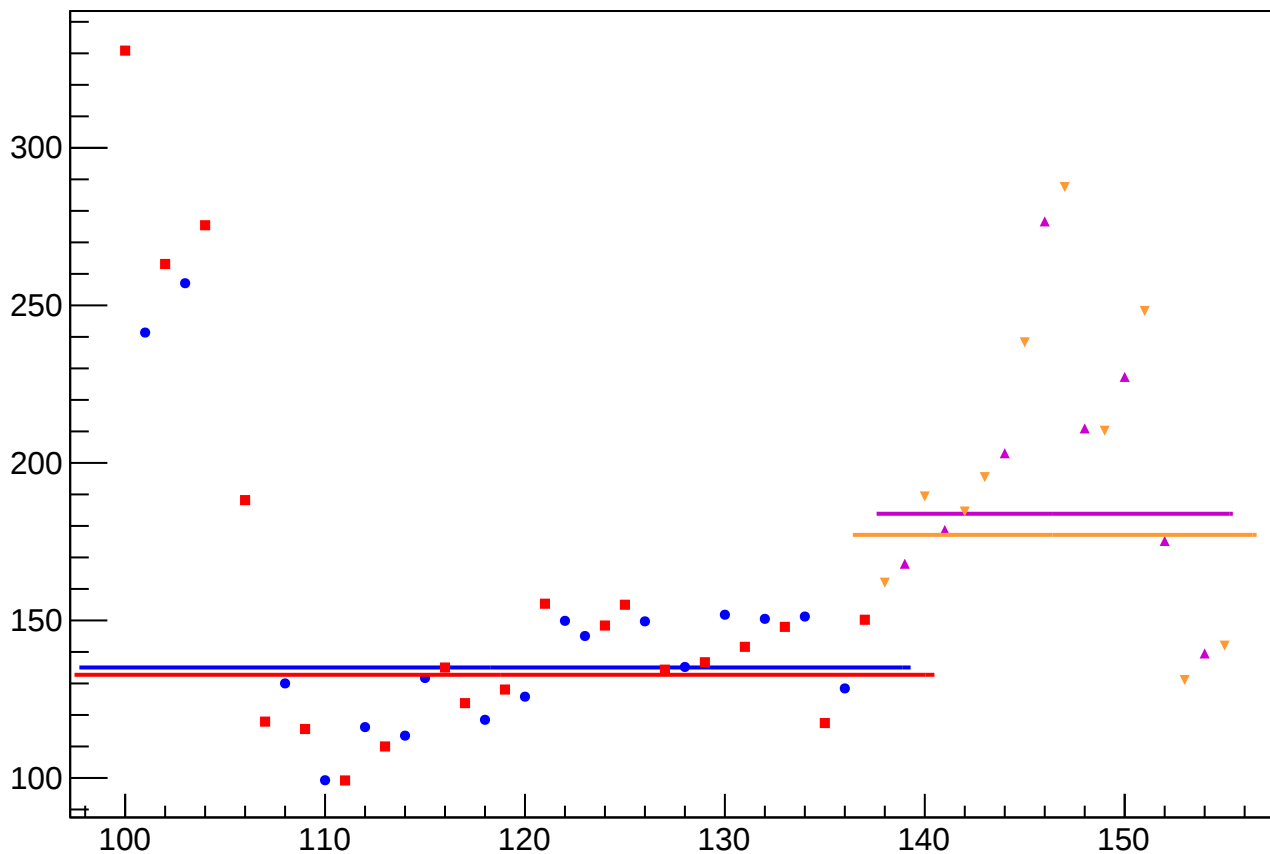
Right Out: 4532.856 ± 52.261 $\chi^2/\text{NDF}: 7477.3/19$

Left In: 13069.433 ± 75.528 $\chi^2/\text{NDF}: 6318.6/7$

-646.812 ± 42.704 $\chi^2/\text{NDF}: 37154.3/26$

7296.717 ± 42.976 $\chi^2/\text{NDF}: 22434.6/27$

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

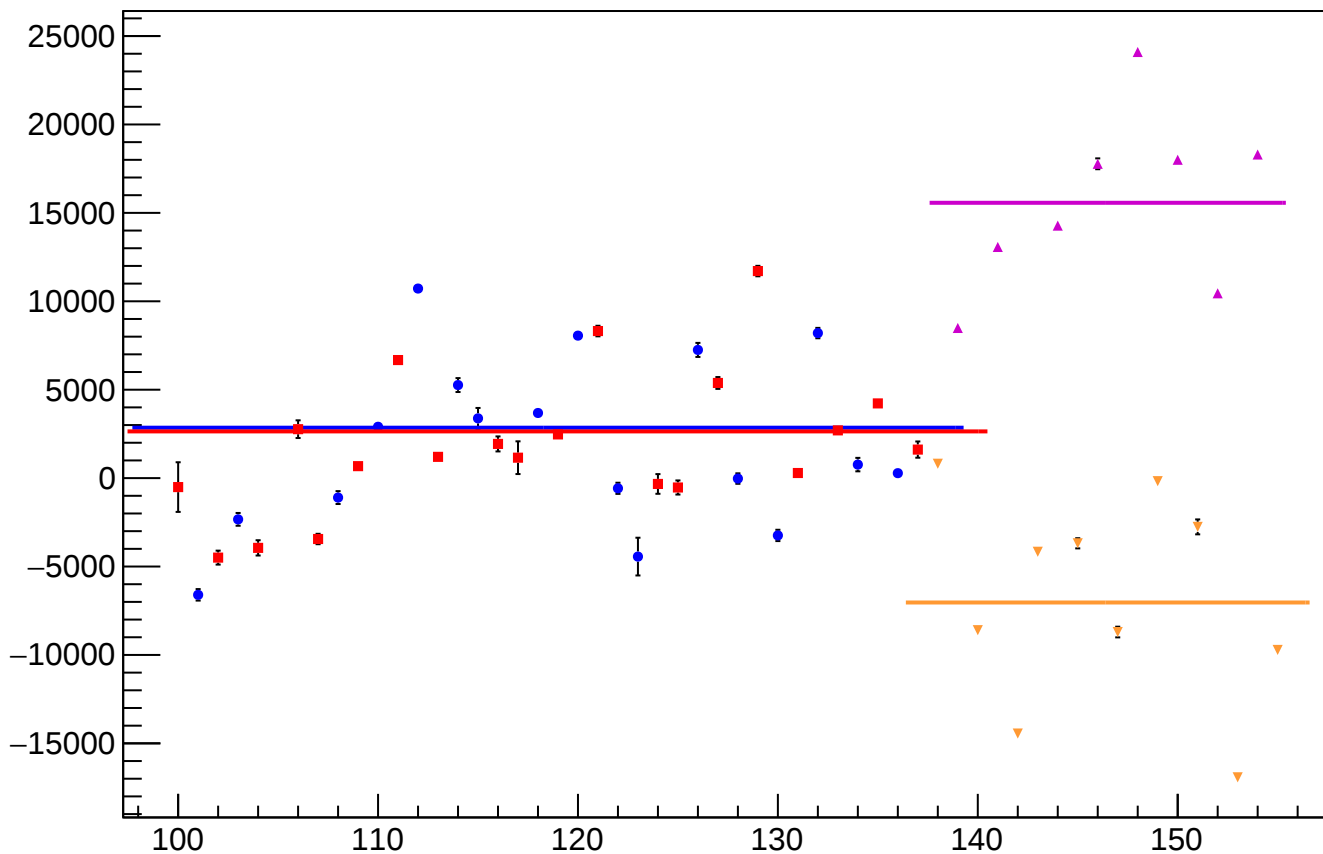
Right Out: 132.747 ± 0.037 χ^2/NDF : 831647.2/19

Left In: 183.862 ± 0.053 χ^2/NDF : 468650.5/7

151.602 ± 0.030 χ^2/NDF : 1925015.0/26

149.296 ± 0.030 χ^2/NDF : 1919734.6/27

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

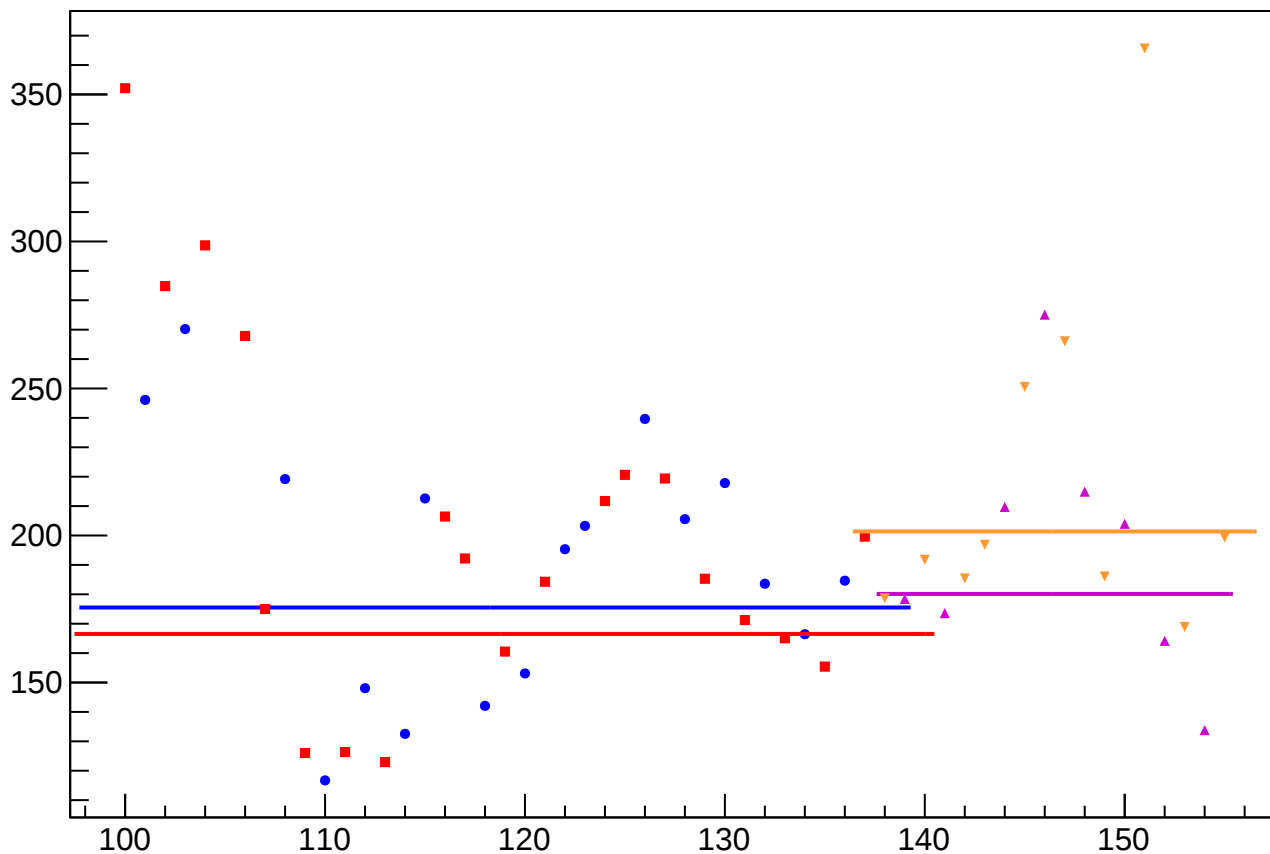
Right Out: 2641.642+/-65.566 χ^2/NDF : 3178.3/19

Left In: 15570.196+/-74.245 χ^2/NDF : 3498.3/7

-1691.532+/-52.014 χ^2/NDF : 19435.1/26

8306.373+/-49.145 χ^2/NDF : 23712.9/27

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

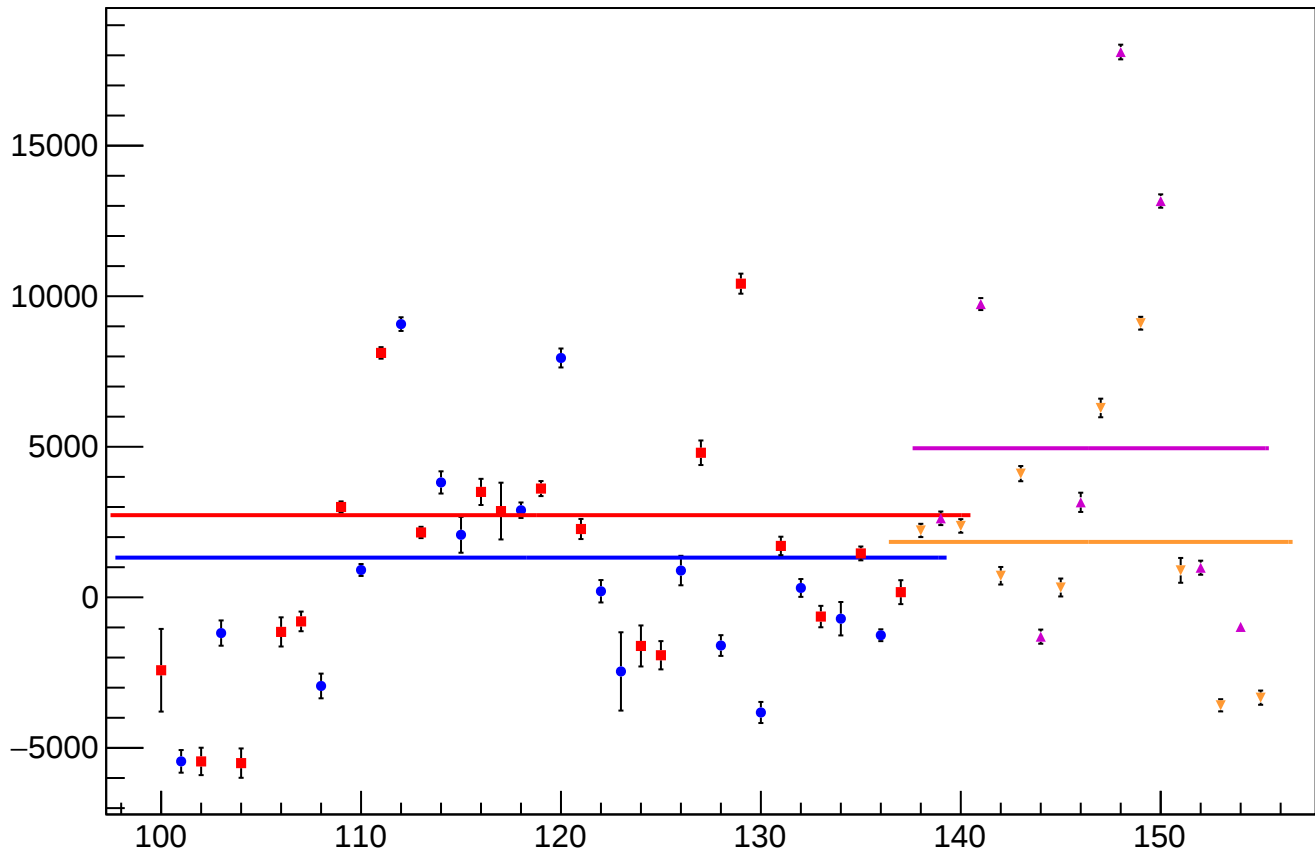
Right Out: 166.522+/-0.046 χ^2/NDF : 931079.9/19

Left In: 180.122+/-0.052 χ^2/NDF : 498954.0/7

187.398+/-0.037 χ^2/NDF : 1364751.5/26

172.481+/-0.035 χ^2/NDF : 1467736.6/27

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

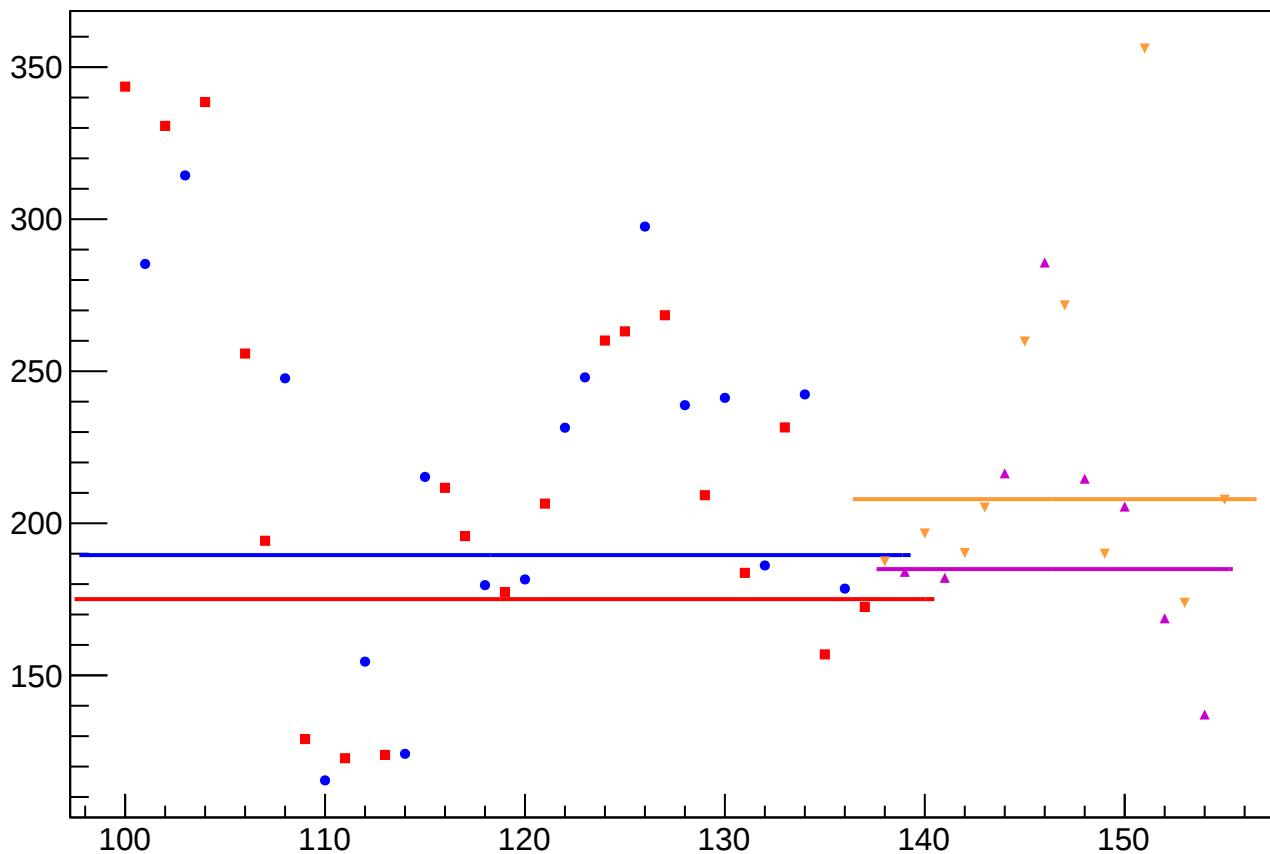
Right Out: 2728.550+/-69.837 χ^2/NDF : 2495.9/19

Left In: 4951.227+/-76.261 χ^2/NDF : 7530.1/7

1573.177+/-55.248 χ^2/NDF : 5388.4/26

3742.334+/-51.504 χ^2/NDF : 10488.1/27

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 207.938 $\pm$ 0.056 χ^2 /NDF: 504746.9/9

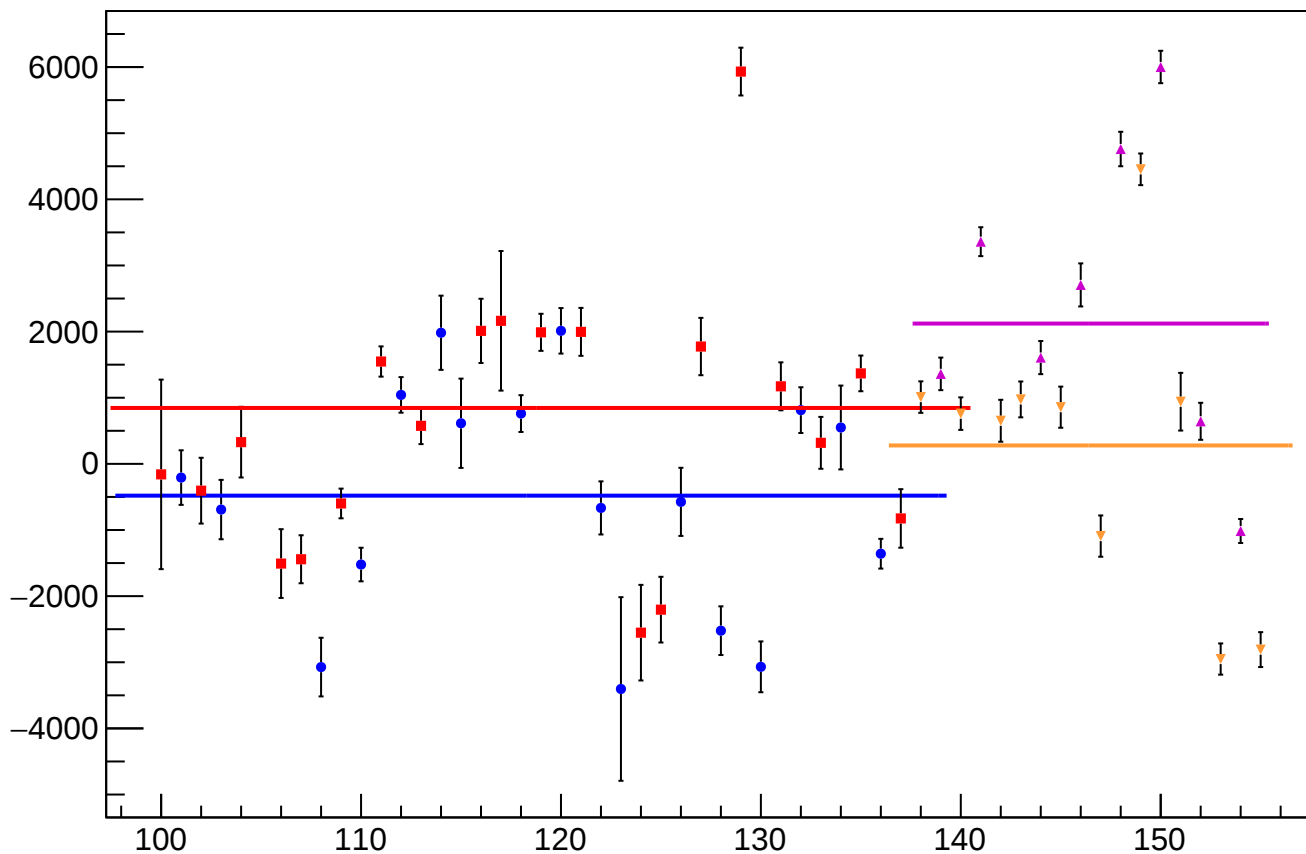
Right Out: 175.058 $\pm$ 0.049 χ^2 /NDF: 1298079.7/19

Left In: 184.939 $\pm$ 0.054 χ^2 /NDF: 491643.1/7

198.505 $\pm$ 0.039 χ^2 /NDF: 1540875.4/26

179.565 $\pm$ 0.036 χ^2 /NDF: 1807982.9/27

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

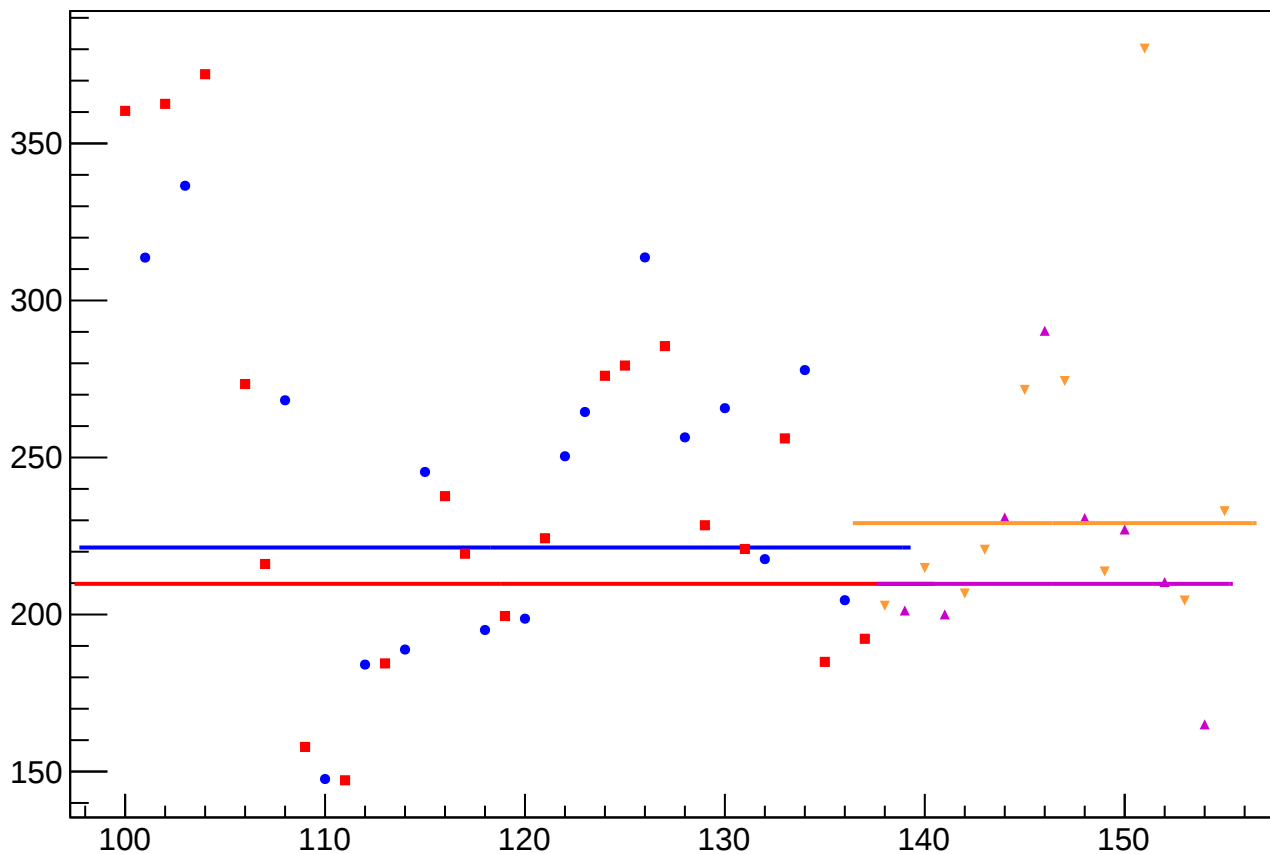
Right Out: 845.444 ± 81.995 χ^2/NDF : 436.9/19

Left In: 2121.523 ± 85.304 χ^2/NDF : 729.6/7

-91.982 ± 61.937 χ^2/NDF : 1003.1/26

1458.250 ± 59.114 χ^2/NDF : 1282.8/27

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

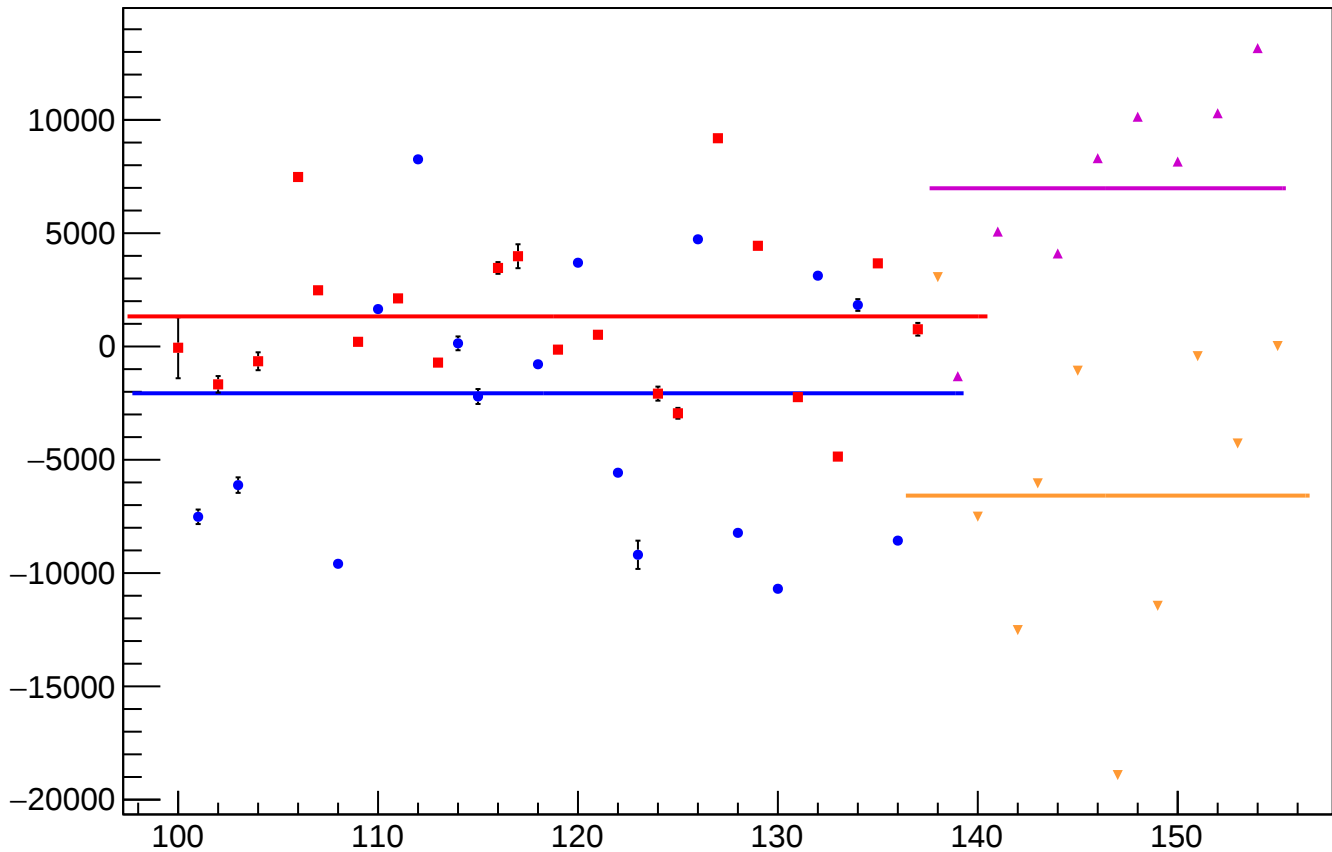
Right Out: 209.775+/-0.058 χ^2/NDF : 884083.7/19

Left In: 209.764+/-0.060 χ^2/NDF : 287882.0/7

225.313+/-0.044 χ^2/NDF : 1046345.8/26

209.770+/-0.042 χ^2/NDF : 1171965.7/27

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -6580.968 ± 42.807 $\chi^2/\text{NDF}: 24423.2/9$

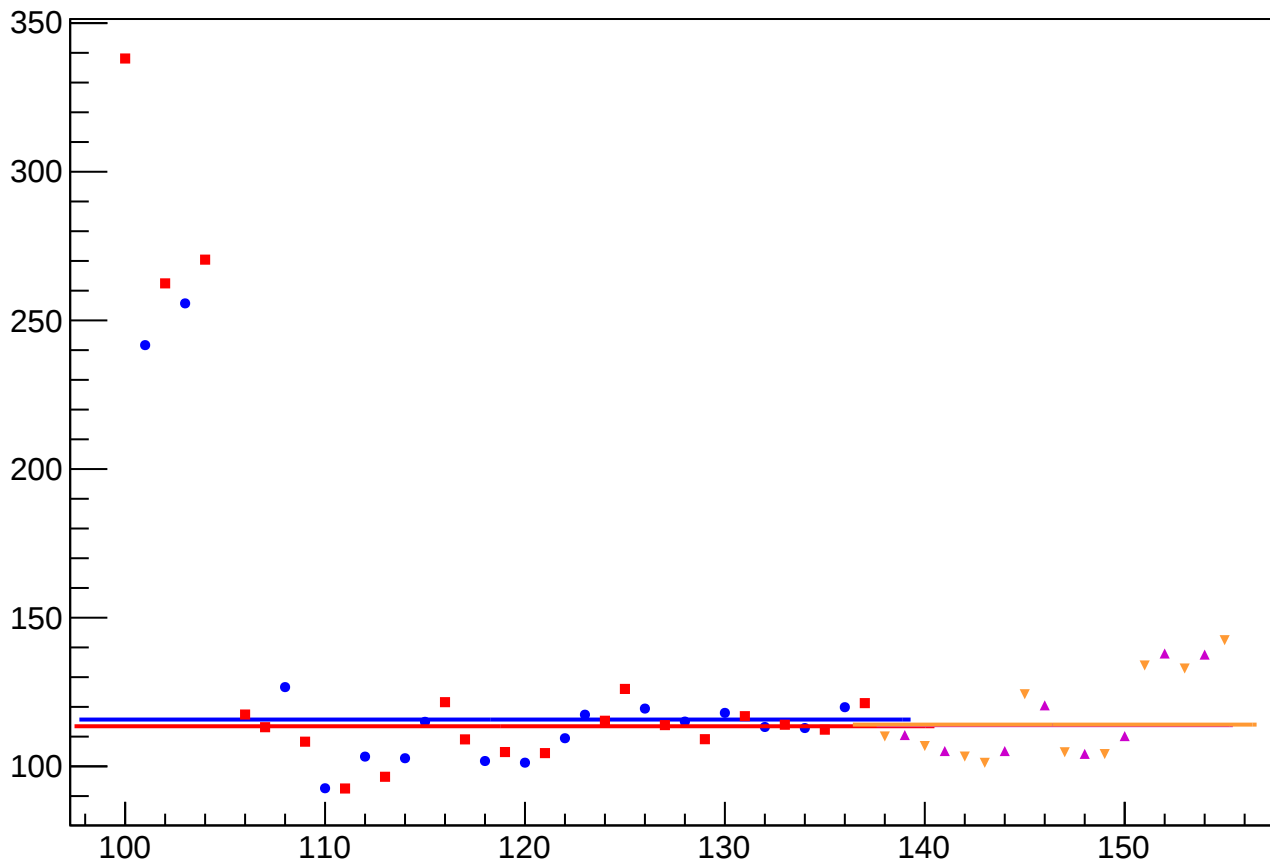
Right Out: 1327.819 ± 44.838 $\chi^2/\text{NDF}: 5919.9/19$

Left In: 6982.761 ± 45.245 $\chi^2/\text{NDF}: 7637.2/7$

-4548.743 ± 31.745 $\chi^2/\text{NDF}: 45964.8/26$

4129.739 ± 31.848 $\chi^2/\text{NDF}: 21438.1/27$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 $\pm$ 0.033 χ^2 /NDF: 744017.7/16

Left Out: 114.038 $\pm$ 0.030 χ^2 /NDF:204615.6/9

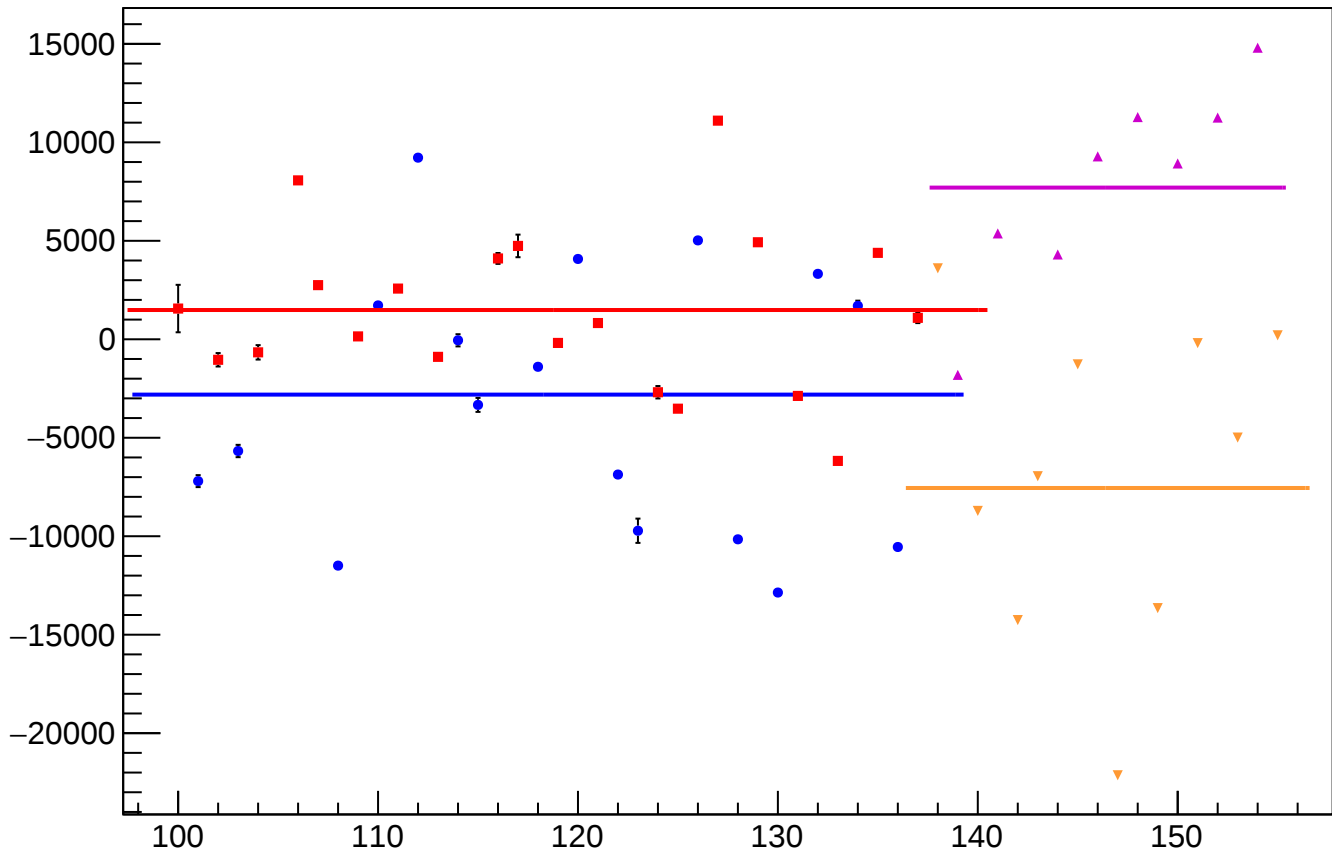
Right Out: 113.487 $\pm$ 0.032 χ^2 /NDF: 796781.7/19

Left In: 113.850 $\pm$ 0.032 χ^2 /NDF:143763.8/7

114.804 $\pm$ 0.022 χ^2 /NDF: 950057.3/26

113.667 $\pm$ 0.023 χ^2 /NDF: 940610.7/27

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101 ± 48.284 χ^2/NDF : 21263.1/16

Left Out: -7550.576 ± 45.829 χ^2/NDF : 29292.5/9

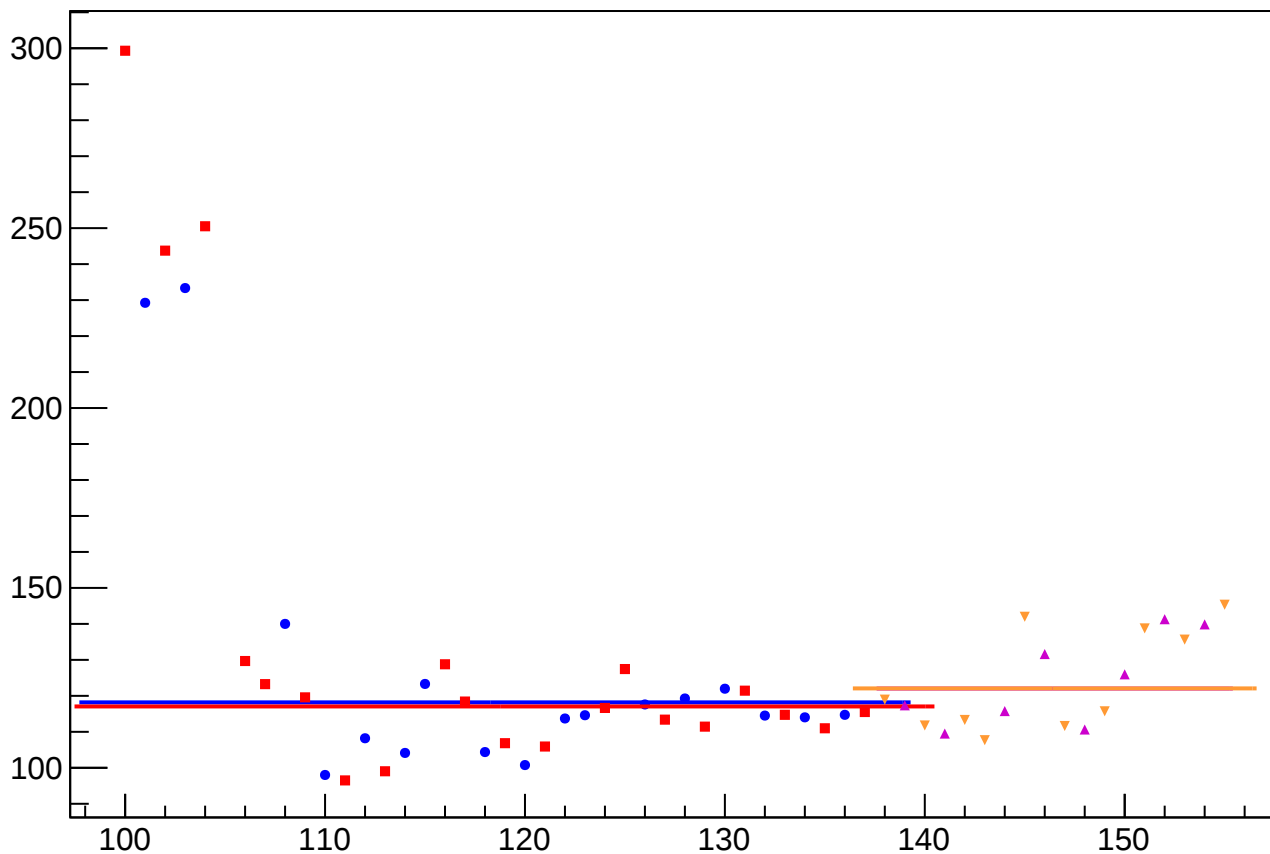
Right Out: 1486.369 ± 46.243 χ^2/NDF : 8037.1/19

Left In: 7701.947 ± 48.490 χ^2/NDF : 9018.4/7

-5303.443 ± 33.240 χ^2/NDF : 55628.5/26

4446.831 ± 33.465 χ^2/NDF : 25660.3/27

asym_bpm2i01WS_rms vs Slug



Right In: 118.188 $\pm$ 0.034 χ^2 /NDF: 636252.0/16

Left Out: 122.069 $\pm$ 0.032 χ^2 /NDF: 167934.3/9

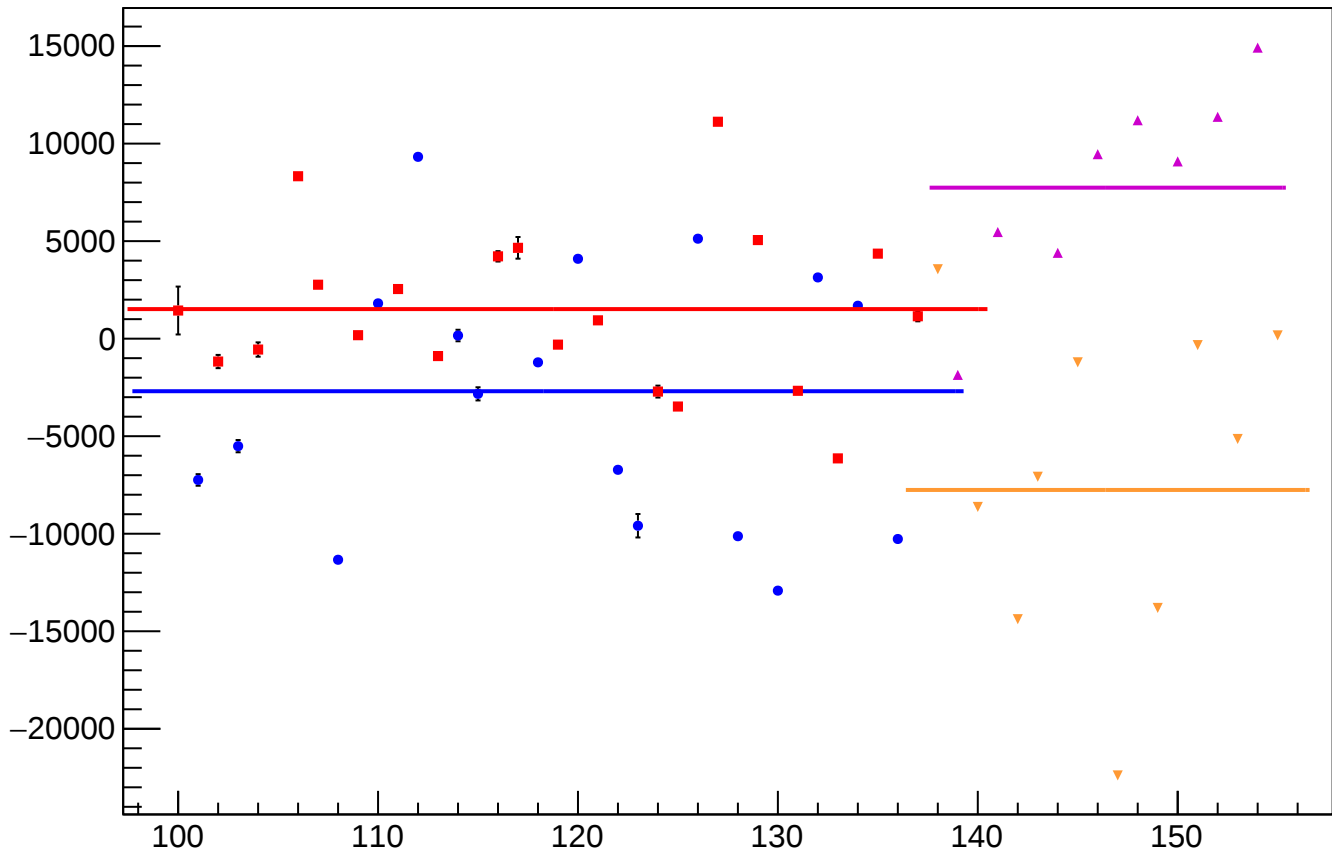
Right Out: 117.054 $\pm$ 0.033 χ^2 /NDF: 690646.8/19

Left In: 122.029 $\pm$ 0.034 χ^2 /NDF: 112686.6/7

120.230 $\pm$ 0.024 χ^2 /NDF: 810982.0/26

119.424 $\pm$ 0.024 χ^2 /NDF: 814355.1/27

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 ± 46.347 χ^2/NDF : 22860.3/16

Left Out: -7755.886 ± 44.504 χ^2/NDF : 32093.5/9

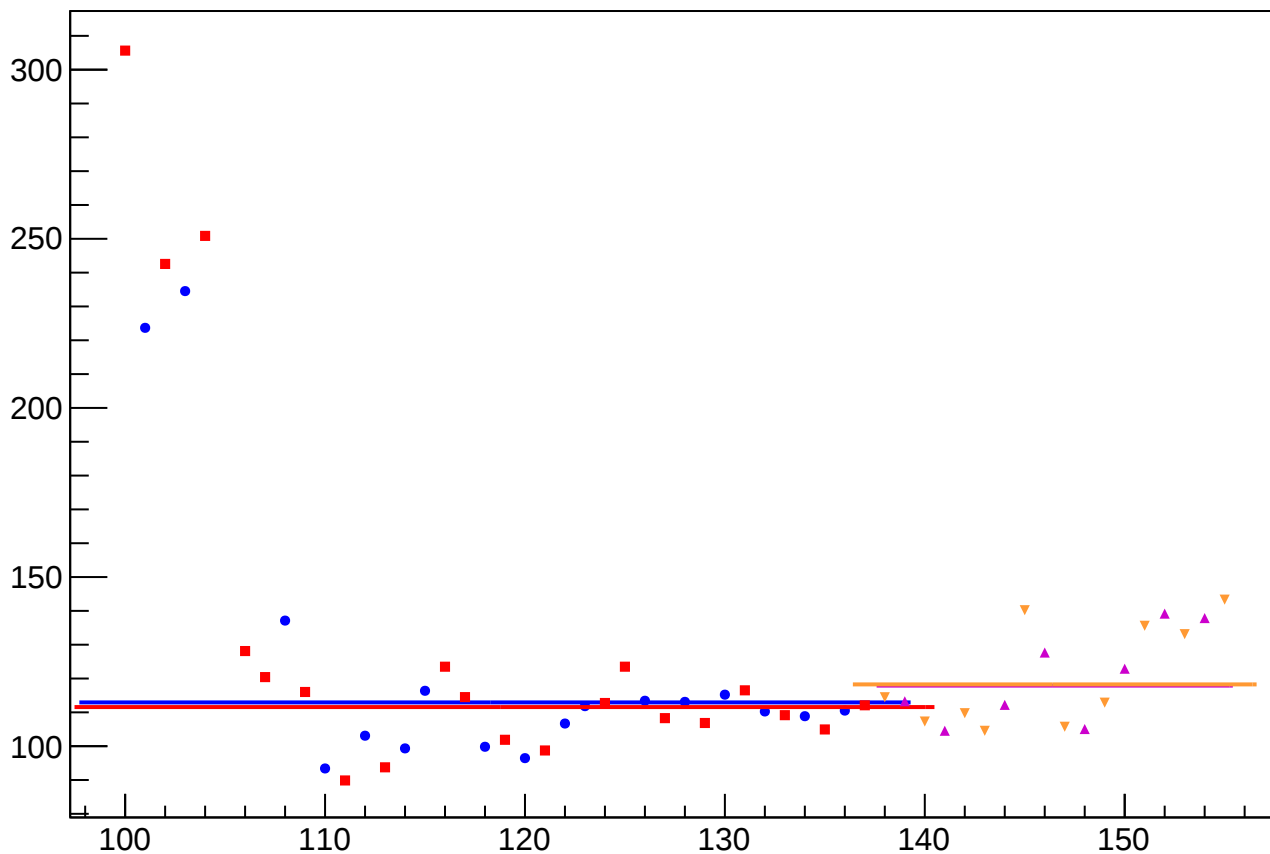
Right Out: 1515.863 ± 44.303 χ^2/NDF : 8749.3/19

Left In: 7740.920 ± 46.973 χ^2/NDF : 9662.2/7

-5327.725 ± 32.101 χ^2/NDF : 61159.3/26

4446.469 ± 32.230 χ^2/NDF : 27706.2/27

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

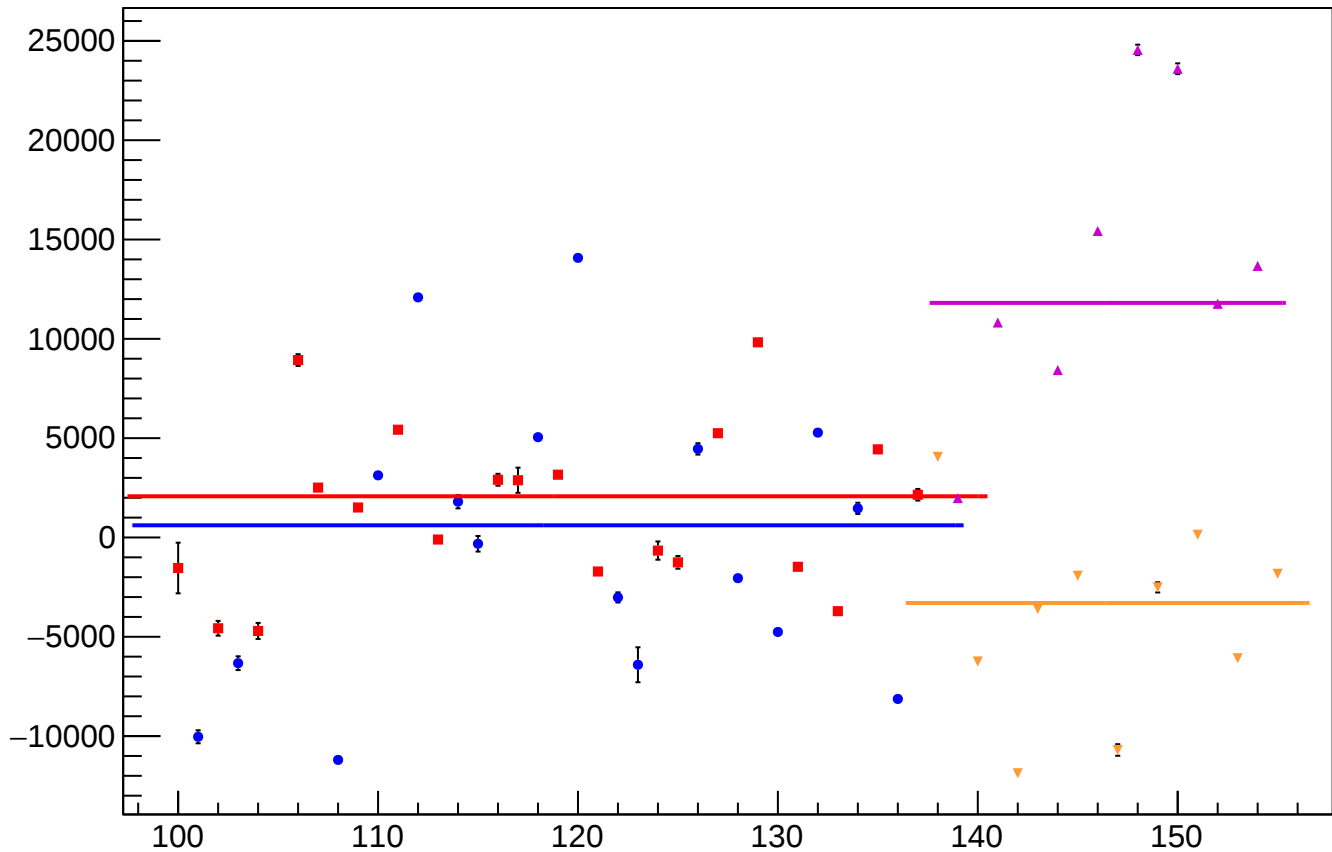
Right Out: 111.562 $\pm$ 0.031 χ^2 /NDF: 765559.1/19

Left In: 117.910 $\pm$ 0.033 χ^2 /NDF:141722.5/7

115.710 $\pm$ 0.023 χ^2 /NDF: 892727.4/26

114.551 $\pm$ 0.023 χ^2 /NDF: 926610.8/27

asym_bpm0i01WS_mean vs Slug



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -3297.210 ± 58.858 $\chi^2/\text{NDF}: 5329.4/9$

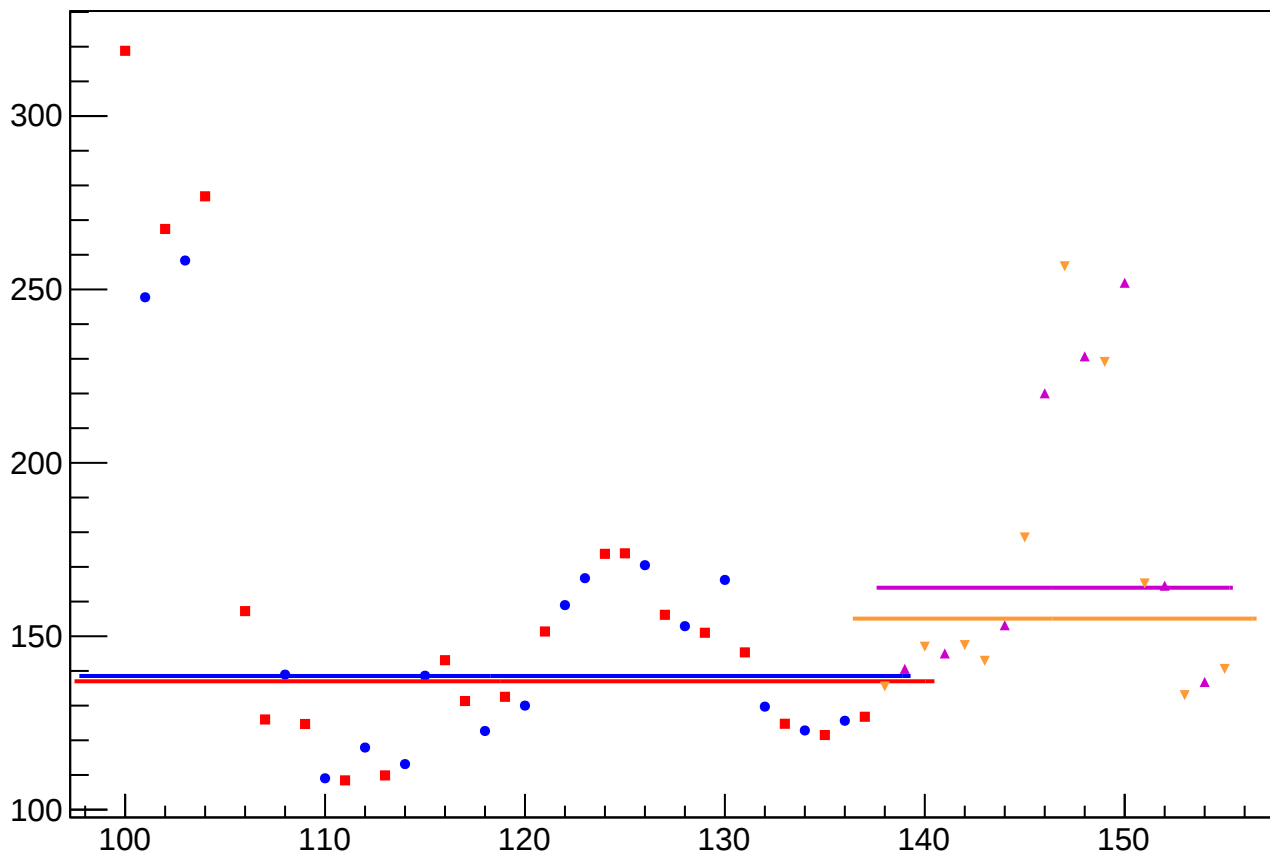
Right Out: 2073.278 ± 53.736 $\chi^2/\text{NDF}: 4644.3/19$

Left In: 11810.291 ± 66.450 $\chi^2/\text{NDF}: 8289.4/7$

-1247.222 ± 40.594 $\chi^2/\text{NDF}: 25886.4/26$

5923.169 ± 41.783 $\chi^2/\text{NDF}: 25915.8/27$

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

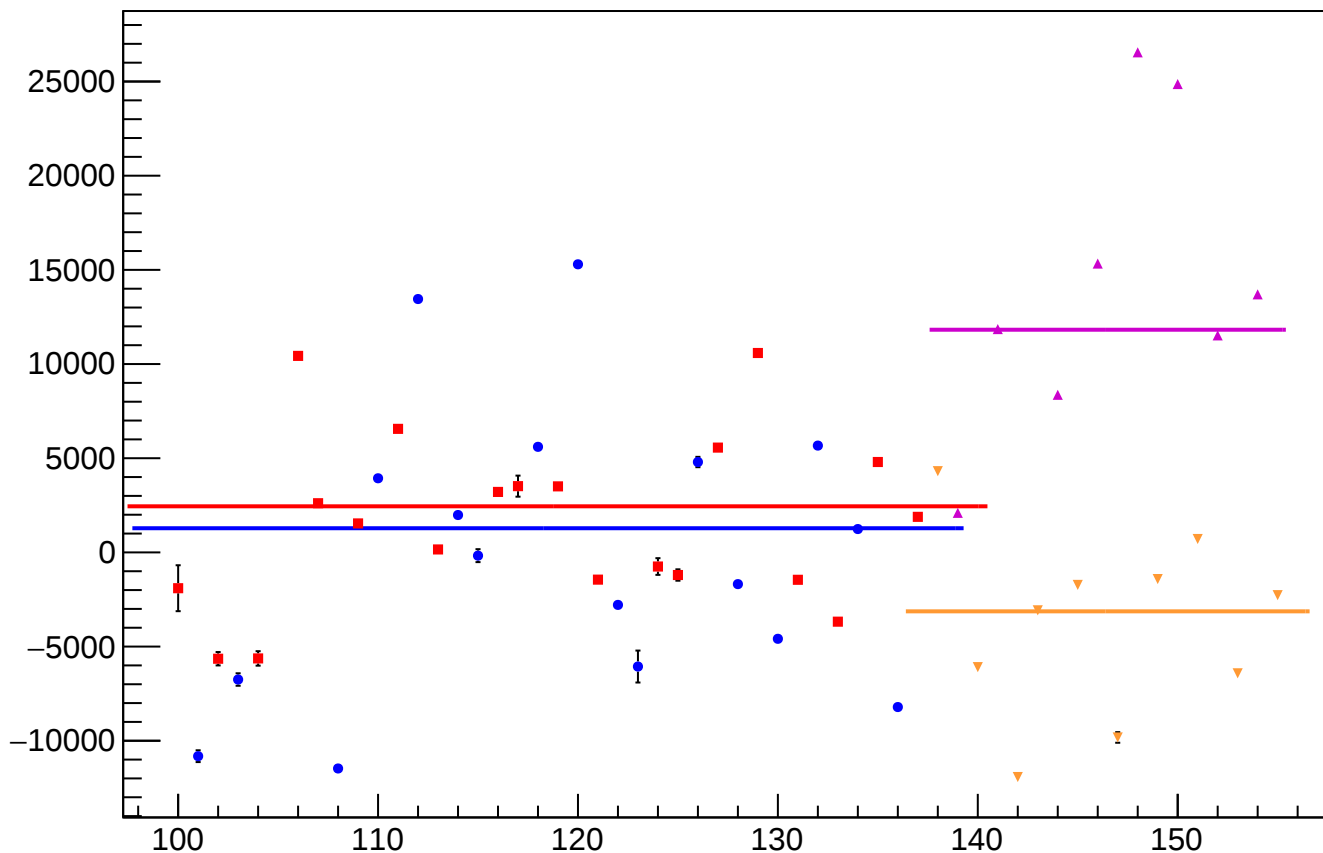
Right Out: 137.019 ± 0.038 χ^2/NDF : 755655.0/19

Left In: 163.994 ± 0.047 χ^2/NDF : 584001.8/7

146.412 ± 0.029 χ^2/NDF : 1300566.3/26

147.685 ± 0.030 χ^2/NDF : 1538921.9/27

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

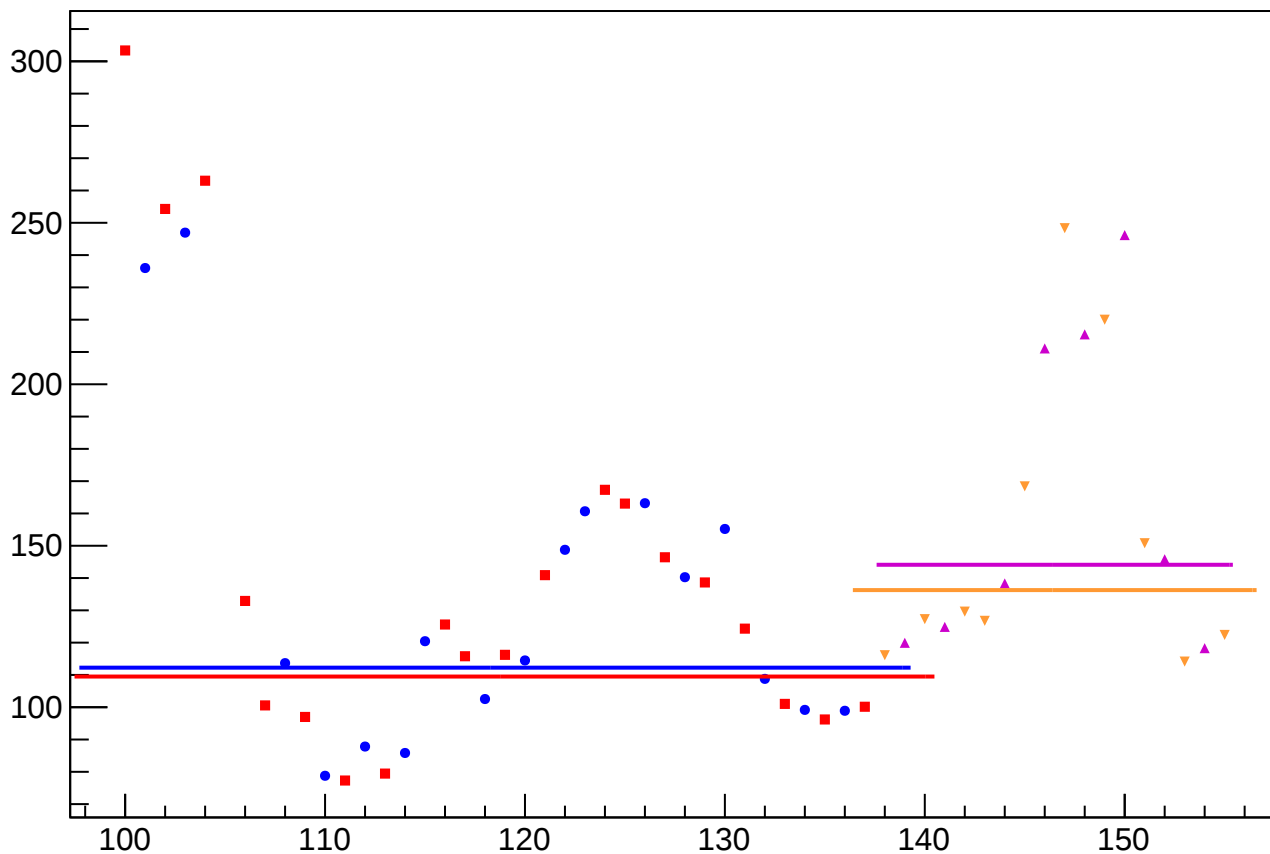
Right Out: 2446.970+/-44.148 χ^2/NDF : 7681.2/19

Left In: 11821.827+/-59.223 χ^2/NDF : 11224.6/7

-670.220+/-34.769 χ^2/NDF : 41660.0/26

5795.676+/-35.395 χ^2/NDF : 35013.2/27

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 136.269+/-0.037 χ^2/NDF : 755571.0/9

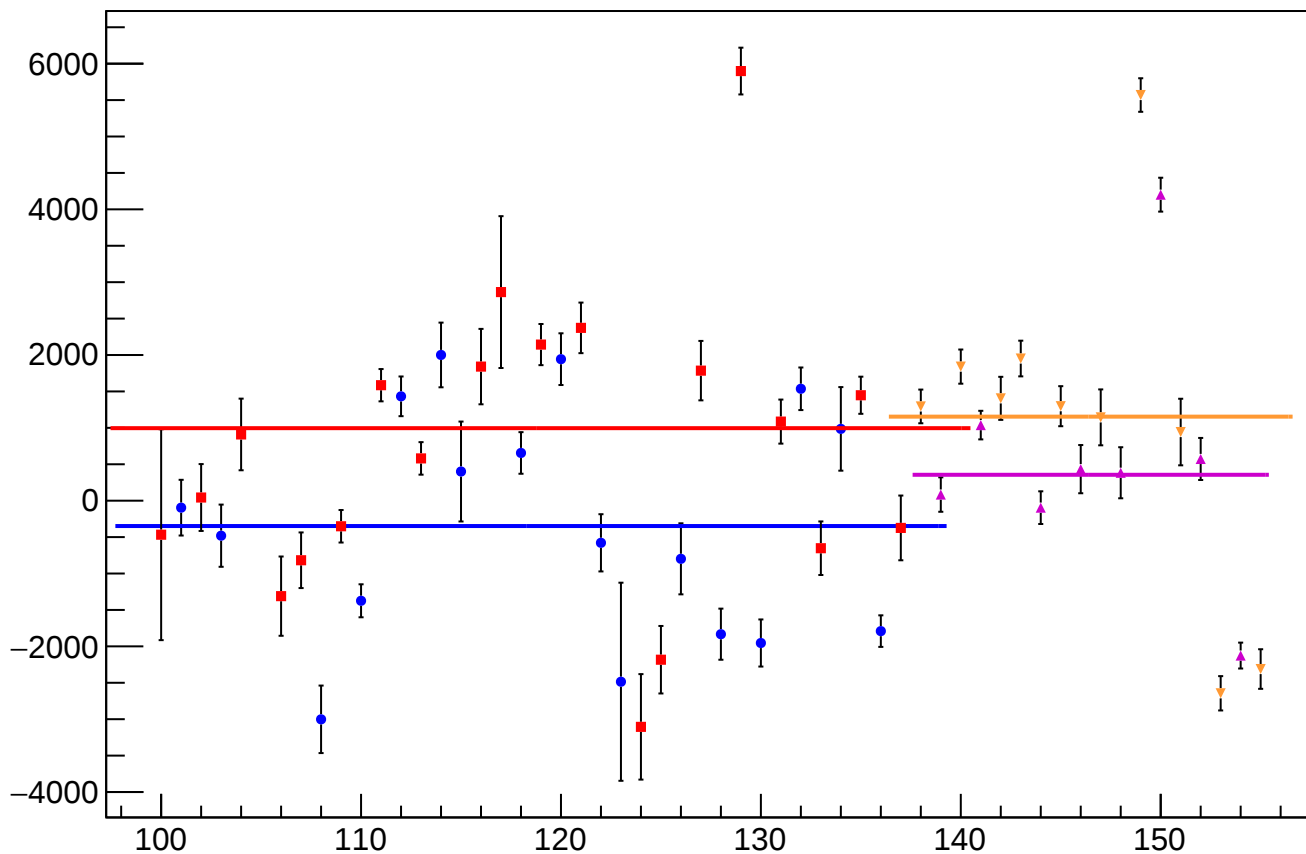
Right Out: 109.500+/-0.031 χ^2/NDF : 1269887.8/19

Left In: 144.108+/-0.042 χ^2/NDF : 800613.5/7

122.883+/-0.025 χ^2/NDF : 2116581.0/26

121.862+/-0.025 χ^2/NDF : 2509535.0/27

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

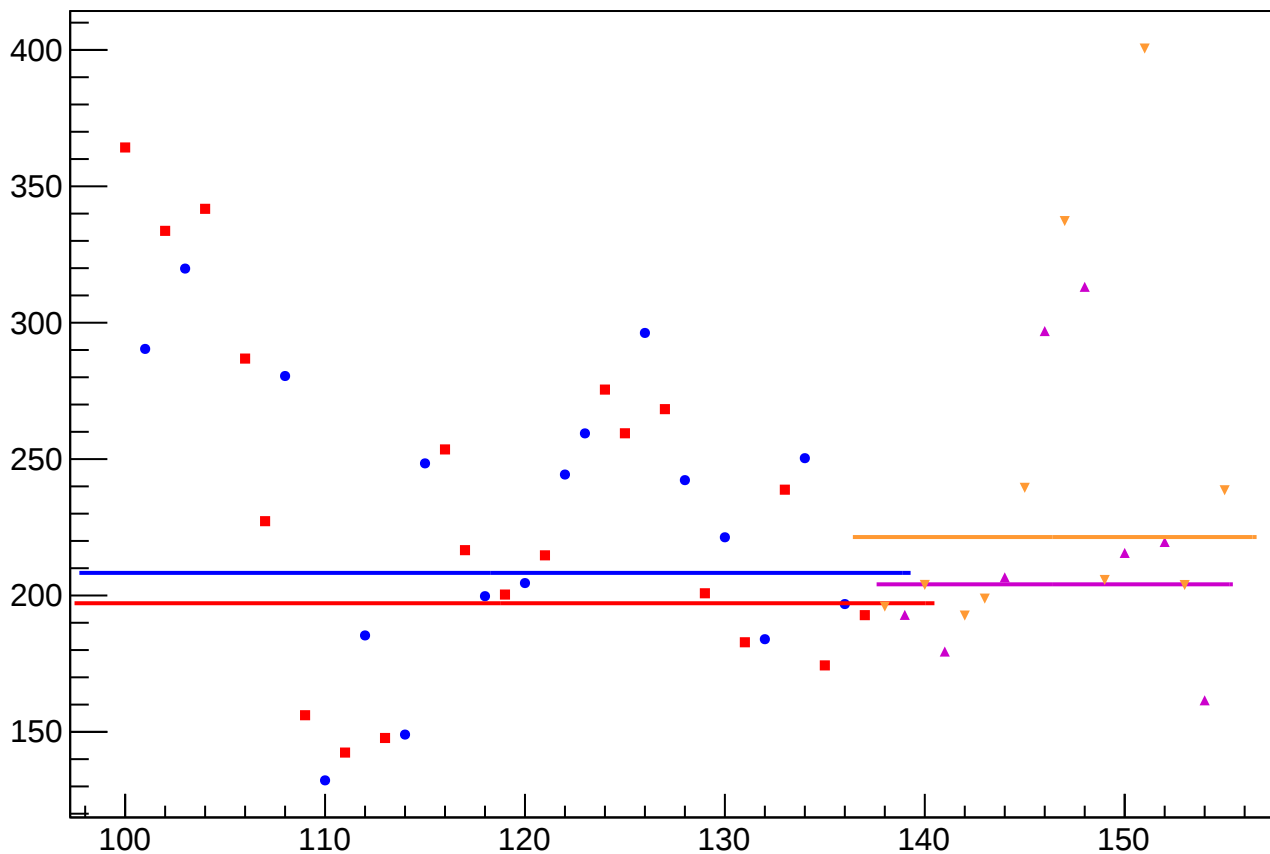
Right Out: 995.622+/-77.468 χ^2/NDF : 479.8/19

Left In: 355.570+/-83.593 χ^2/NDF : 486.2/7

397.288+/-59.497 χ^2/NDF : 1287.3/26

699.900+/-56.820 χ^2/NDF : 997.6/27

asym_bpm0l01WS_rms vs Slug



Right In: 208.288 $\pm$ 0.059 χ^2 /NDF: 698491.0/16

Left Out: 221.426 $\pm$ 0.060 χ^2 /NDF: 597839.9/9

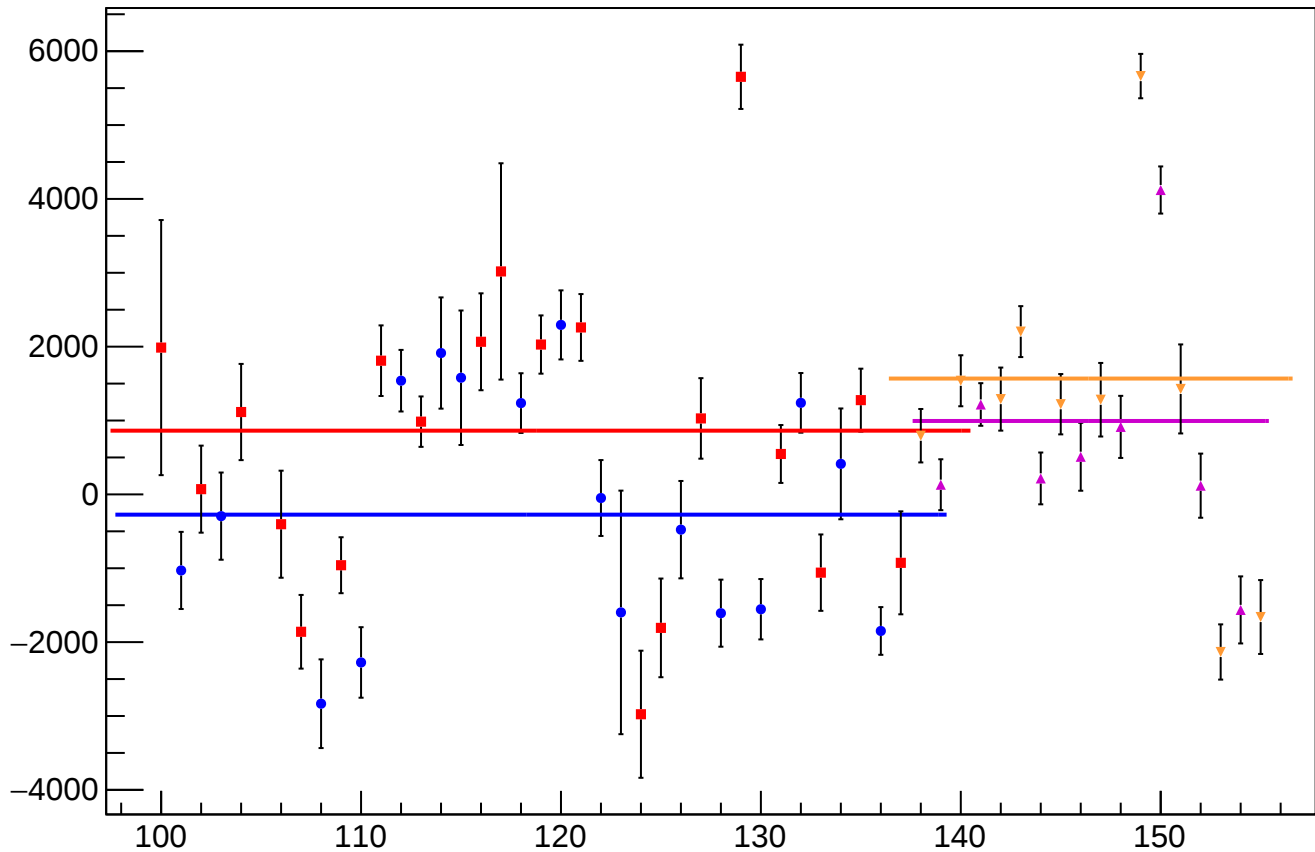
Right Out: 197.159 $\pm$ 0.055 χ^2 /NDF: 927487.8/19

Left In: 204.094 $\pm$ 0.059 χ^2 /NDF: 512391.2/7

214.807 $\pm$ 0.042 χ^2 /NDF: 1320712.6/26

200.363 $\pm$ 0.040 χ^2 /NDF: 1447284.1/27

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

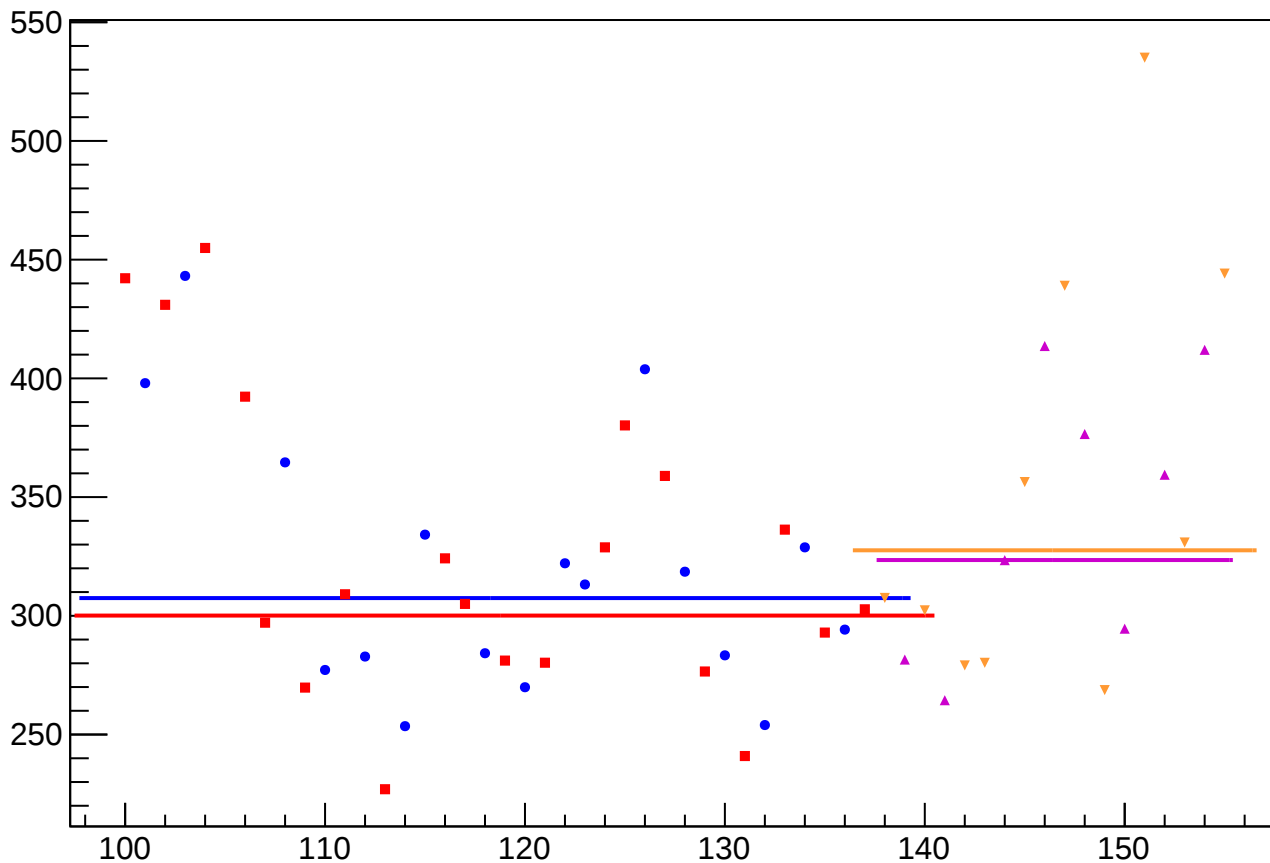
Right Out: 862.791 ± 114.993 χ^2/NDF : 265.4/19

Left In: 993.881 ± 130.239 χ^2/NDF : 144.8/7

626.244 ± 86.750 χ^2/NDF : 619.2/26

920.217 ± 86.201 χ^2/NDF : 410.8/27

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

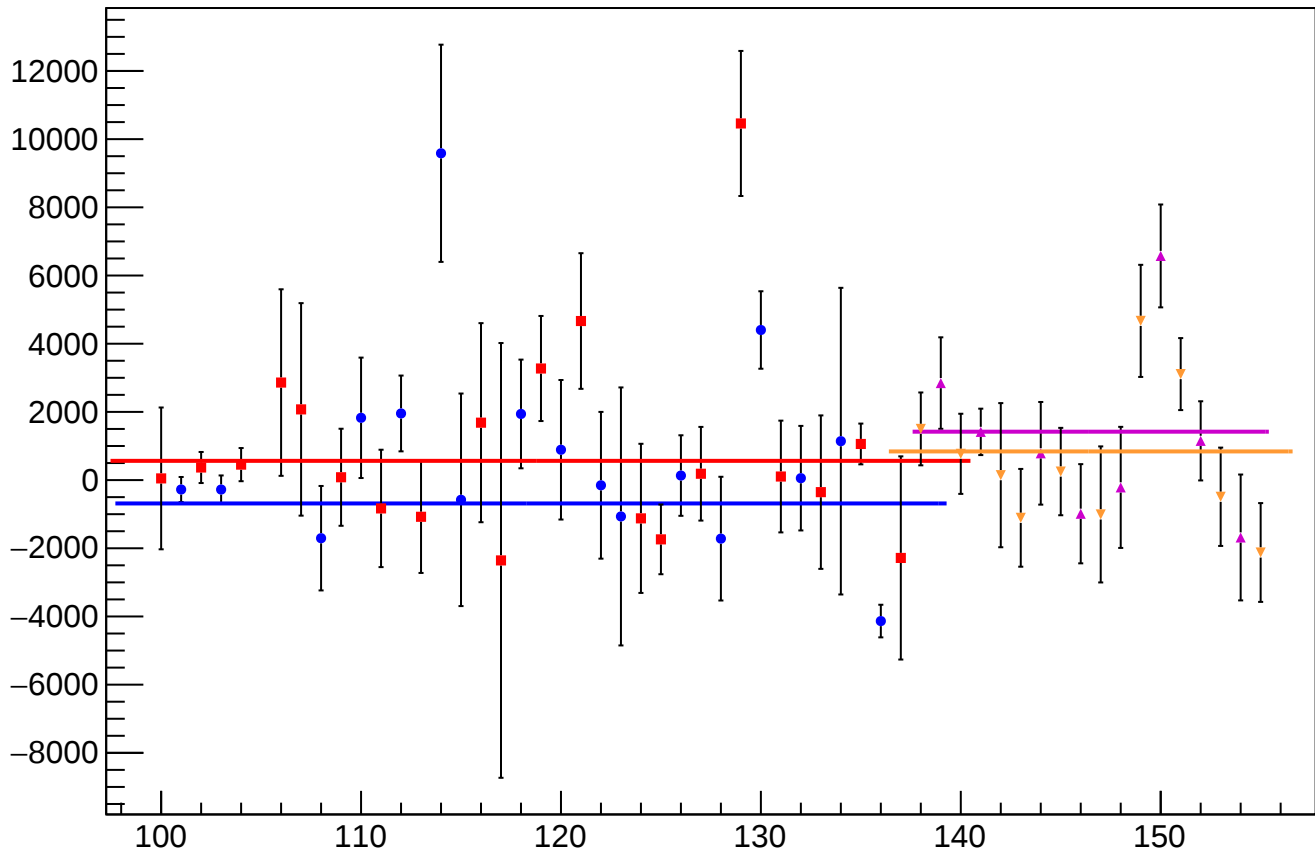
Right Out: 300.100+/-0.081 χ^2/NDF : 490421.6/19

Left In: 323.490+/-0.092 χ^2/NDF : 328395.7/7

317.302+/-0.061 χ^2/NDF : 963064.6/26

310.346+/-0.061 χ^2/NDF : 855065.0/27

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

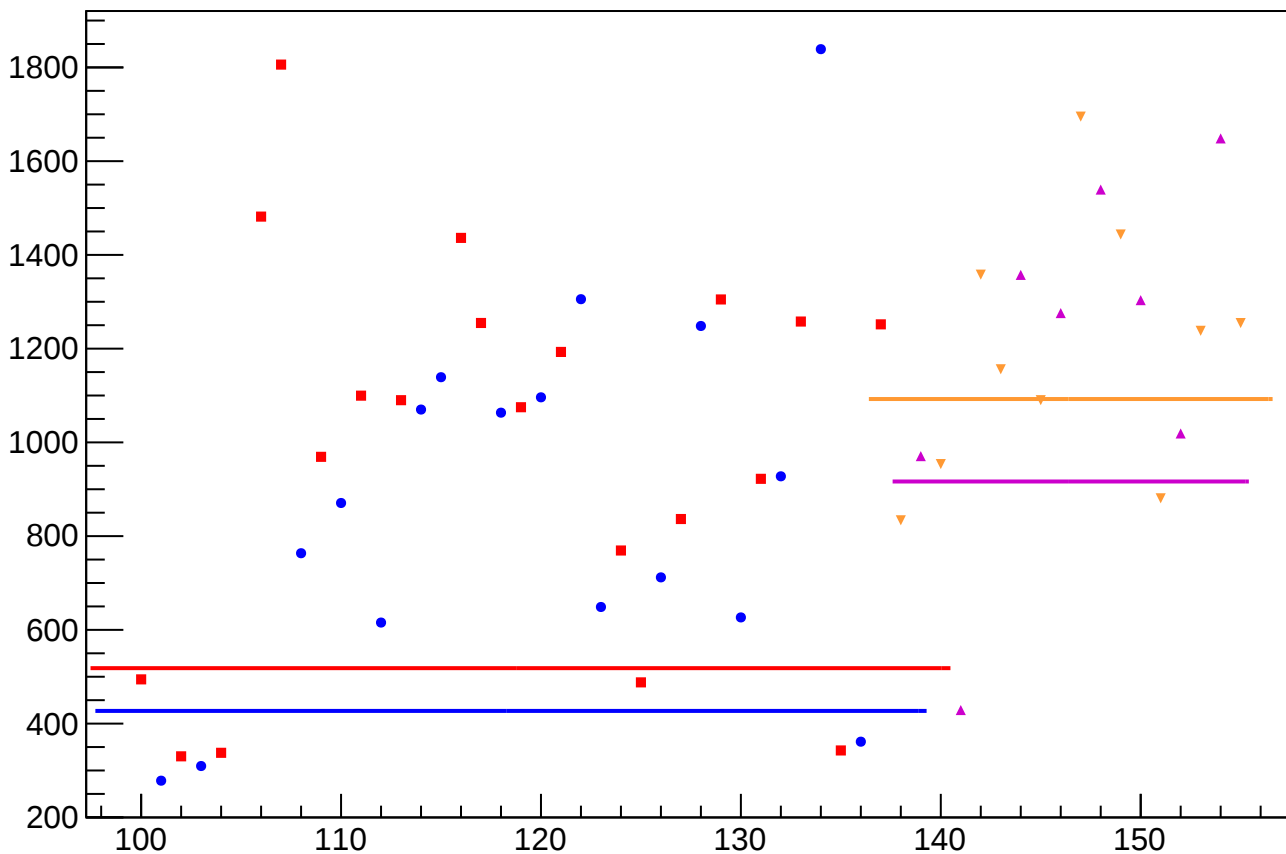
Right Out: 564.400+/-243.074 χ^2/NDF : 39.9/19

Left In: 1419.625+/-429.535 χ^2/NDF : 19.4/7

-391.070+/-188.994 χ^2/NDF : 126.0/26

771.847+/-211.550 χ^2/NDF : 62.4/27

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

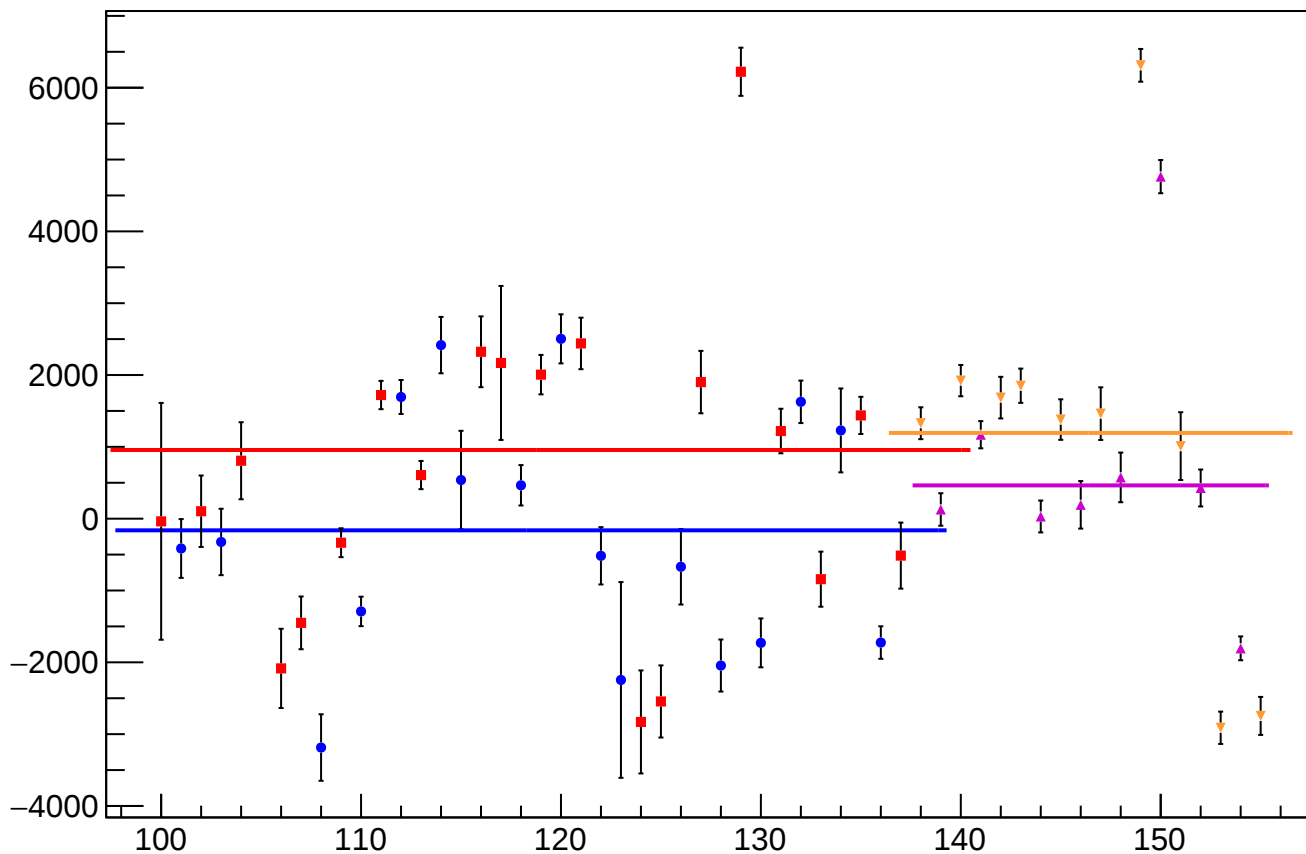
Right Out: 518.306+/-0.172 χ^2/NDF : 3631833.9/19

Left In: 916.558+/-0.304 χ^2/NDF : 2031135.1/7

555.289+/-0.134 χ^2/NDF : 7302361.1/26

614.908+/-0.150 χ^2/NDF : 6965218.5/27

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 $\chi^2/\text{NDF}: 387.6/16$

Left Out: 1193.851 ± 81.995 $\chi^2/\text{NDF}: 1082.1/9$

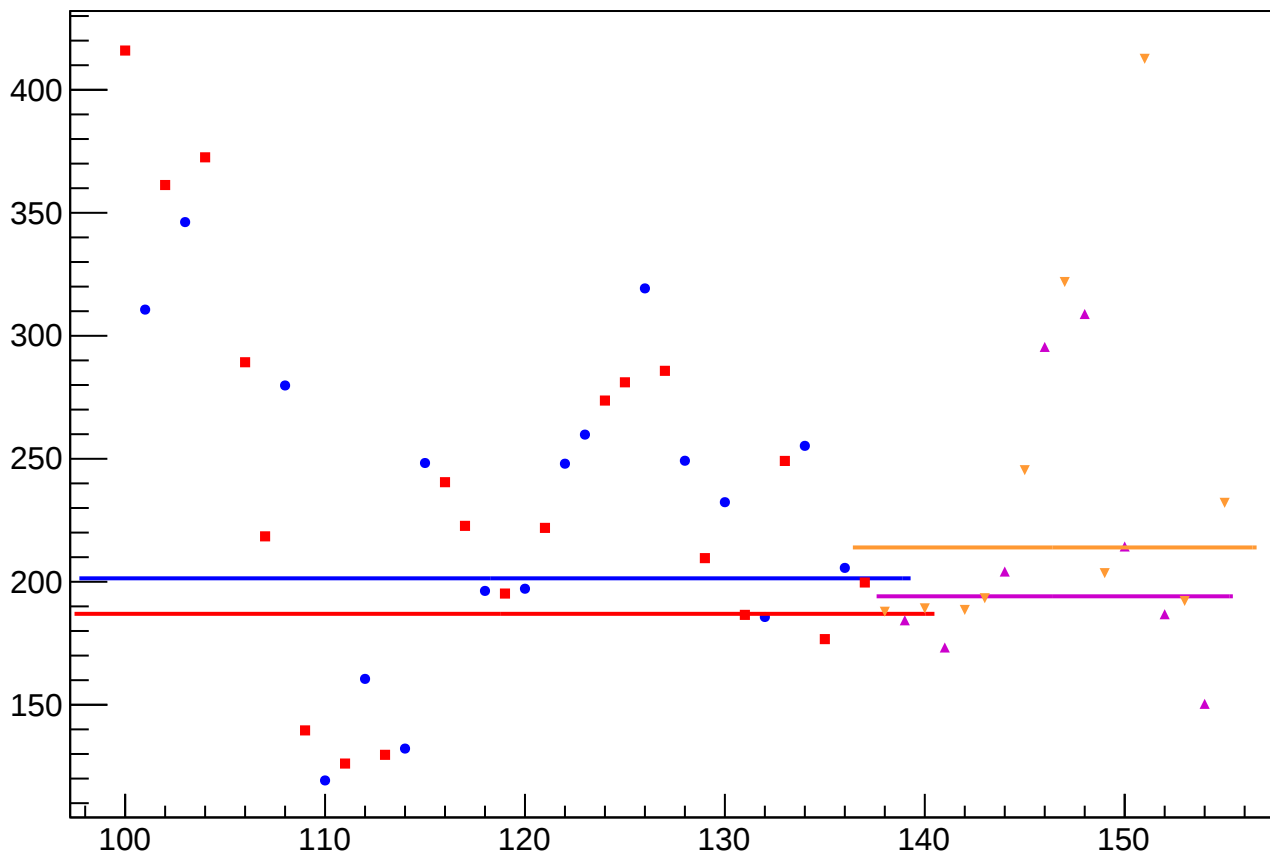
Right Out: 956.044 ± 74.949 $\chi^2/\text{NDF}: 541.1/19$

Left In: 463.374 ± 80.223 $\chi^2/\text{NDF}: 553.0/7$

518.690 ± 58.104 $\chi^2/\text{NDF}: 1605.9/26$

726.433 ± 54.767 $\chi^2/\text{NDF}: 1114.2/27$

asym_bpm0l04WS_rms vs Slug



Right In: 201.409 ± 0.058 χ^2/NDF : 1056022.1/16

Left Out: 213.961 ± 0.058 χ^2/NDF : 669012.4/9

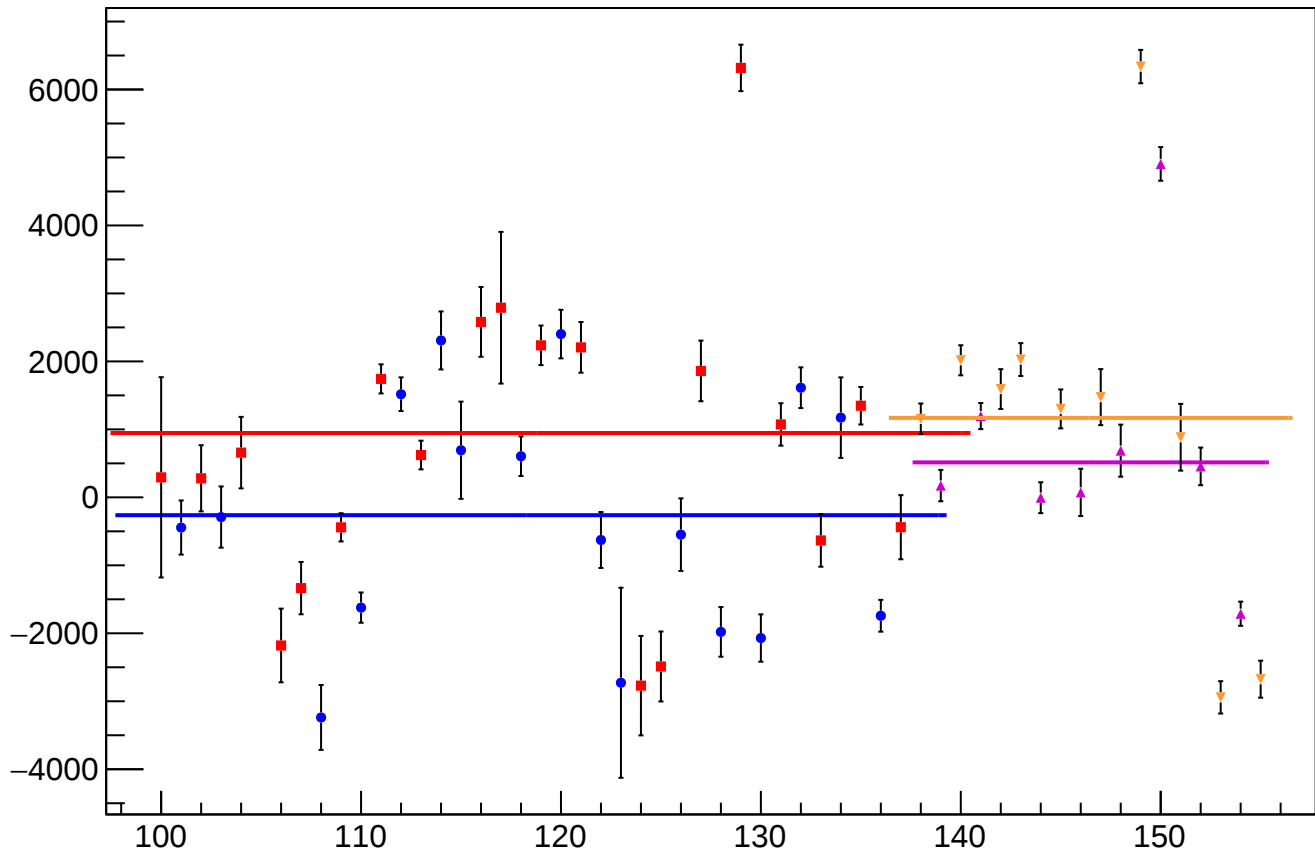
Right Out: 186.973 ± 0.053 χ^2/NDF : 1395397.8/19

Left In: 194.097 ± 0.057 χ^2/NDF : 596134.0/7

207.712 ± 0.041 χ^2/NDF : 1748367.1/26

190.293 ± 0.039 χ^2/NDF : 1999954.0/27

asym_bpm0l05WS_mean vs Slug



Right In: -262.324 ± 85.433 $\chi^2/\text{NDF}: 368.7/16$

Left Out: 1168.890 ± 84.894 $\chi^2/\text{NDF}: 971.8/9$

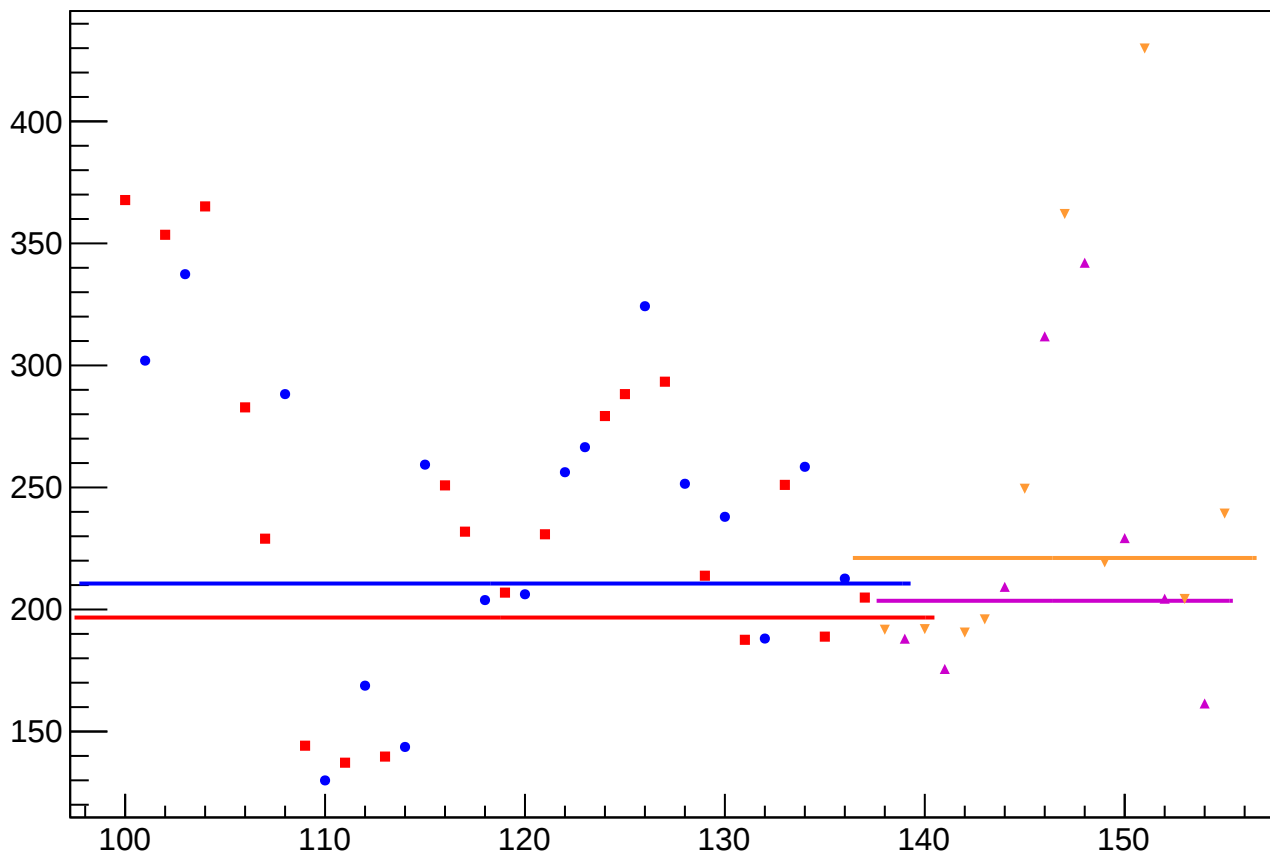
Right Out: 946.785 ± 78.241 $\chi^2/\text{NDF}: 524.6/19$

Left In: 514.666 ± 84.102 $\chi^2/\text{NDF}: 493.6/7$

457.813 ± 60.219 $\chi^2/\text{NDF}: 1481.7/26$

746.306 ± 57.285 $\chi^2/\text{NDF}: 1032.4/27$

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

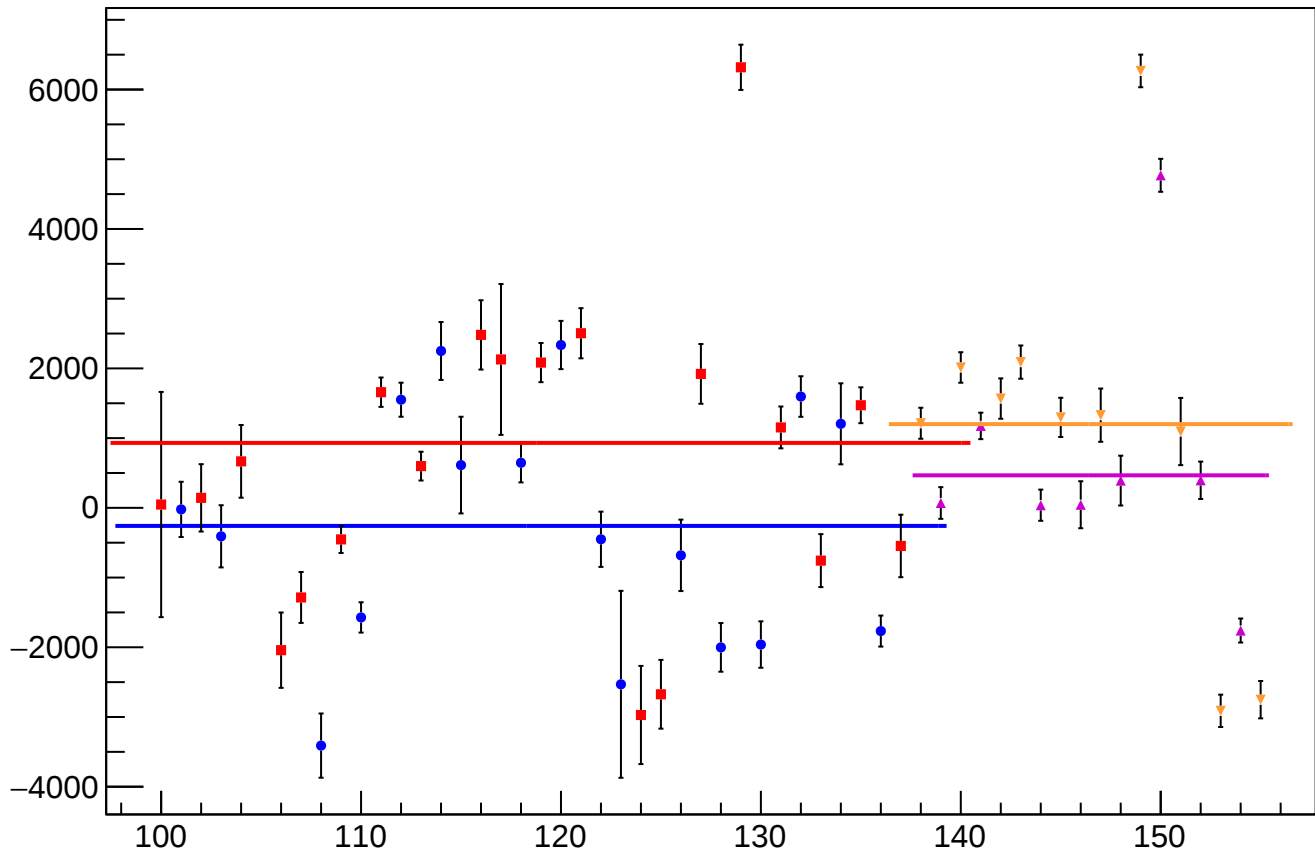
Right Out: 196.702 ± 0.055 χ^2/NDF : 1207089.6/19

Left In: 203.566 ± 0.059 χ^2/NDF : 641476.1/7

215.906 ± 0.043 χ^2/NDF : 1636370.1/26

199.886 ± 0.041 χ^2/NDF : 1855706.2/27

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

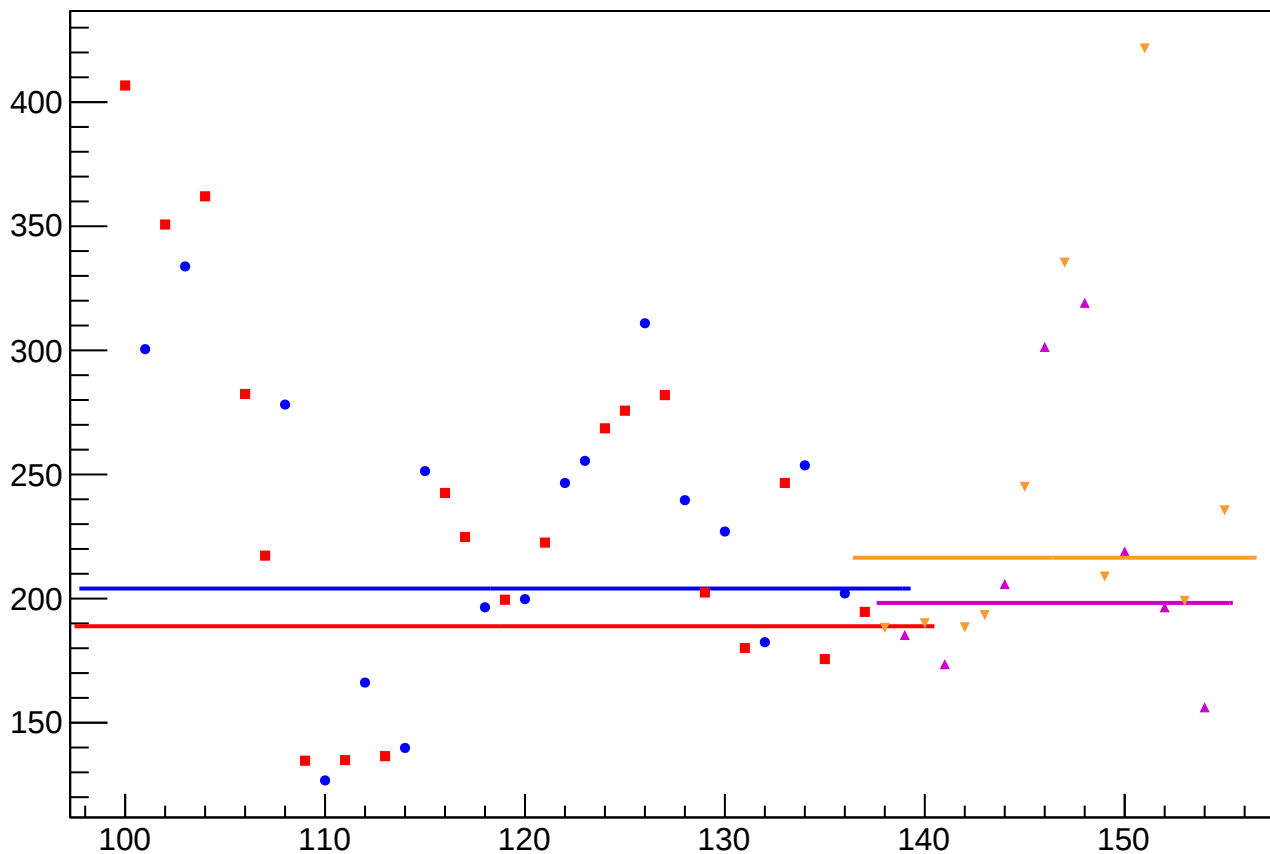
Right Out: 931.363+/-75.320 χ^2/NDF : 583.1/19

Left In: 466.311+/-81.840 χ^2/NDF :521.0/7

469.086+/-58.620 χ^2/NDF : 1576.3/26

718.098+/-55.421 χ^2/NDF : 1121.6/27

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

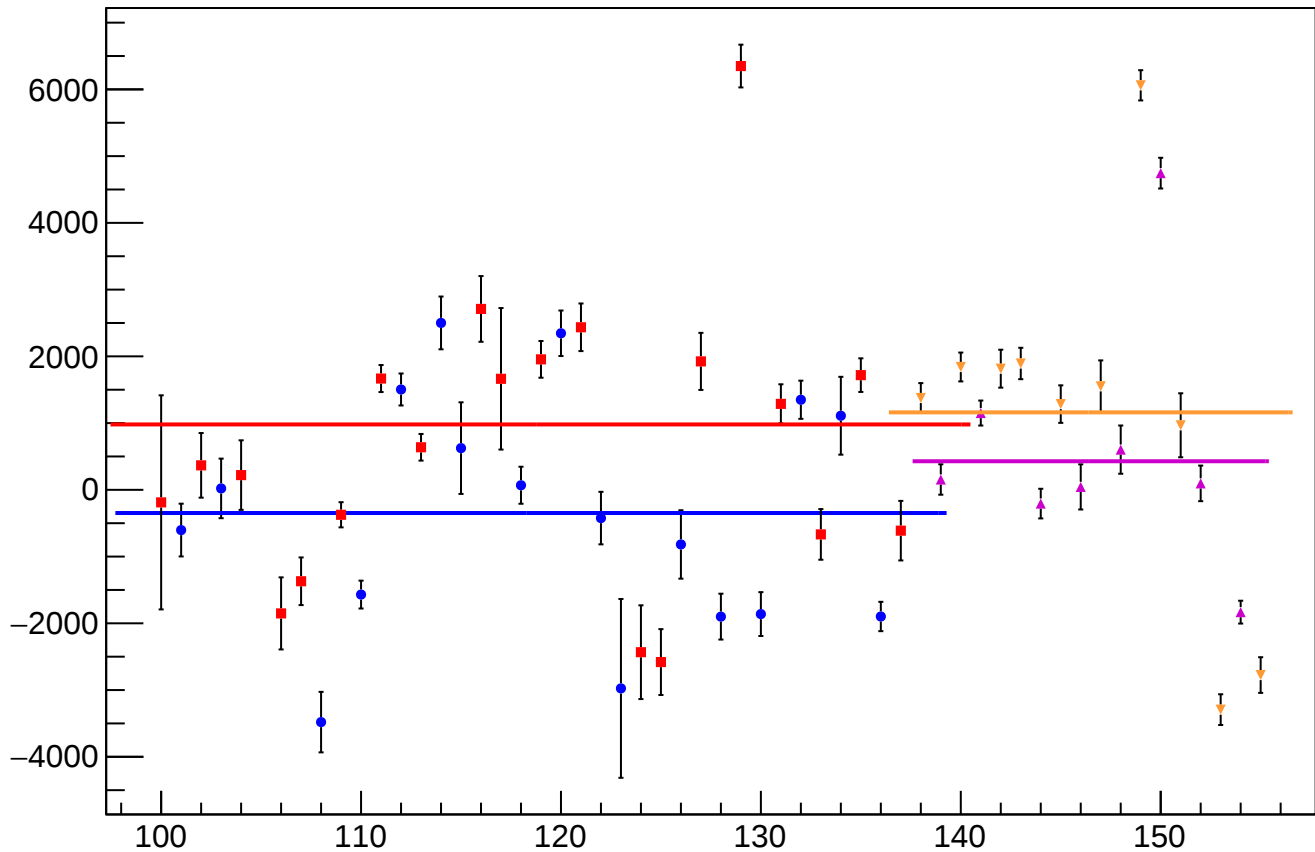
Right Out: 188.856 ± 0.053 χ^2/NDF : 1253327.1/19

Left In: 198.258 ± 0.058 χ^2/NDF : 593641.9/7

210.244 ± 0.041 χ^2/NDF : 1589813.1/26

193.167 ± 0.039 χ^2/NDF : 1861260.7/27

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 ± 81.318 $\chi^2/\text{NDF}: 399.1/16$

Left Out: 1160.732 ± 82.199 $\chi^2/\text{NDF}: 1086.2/9$

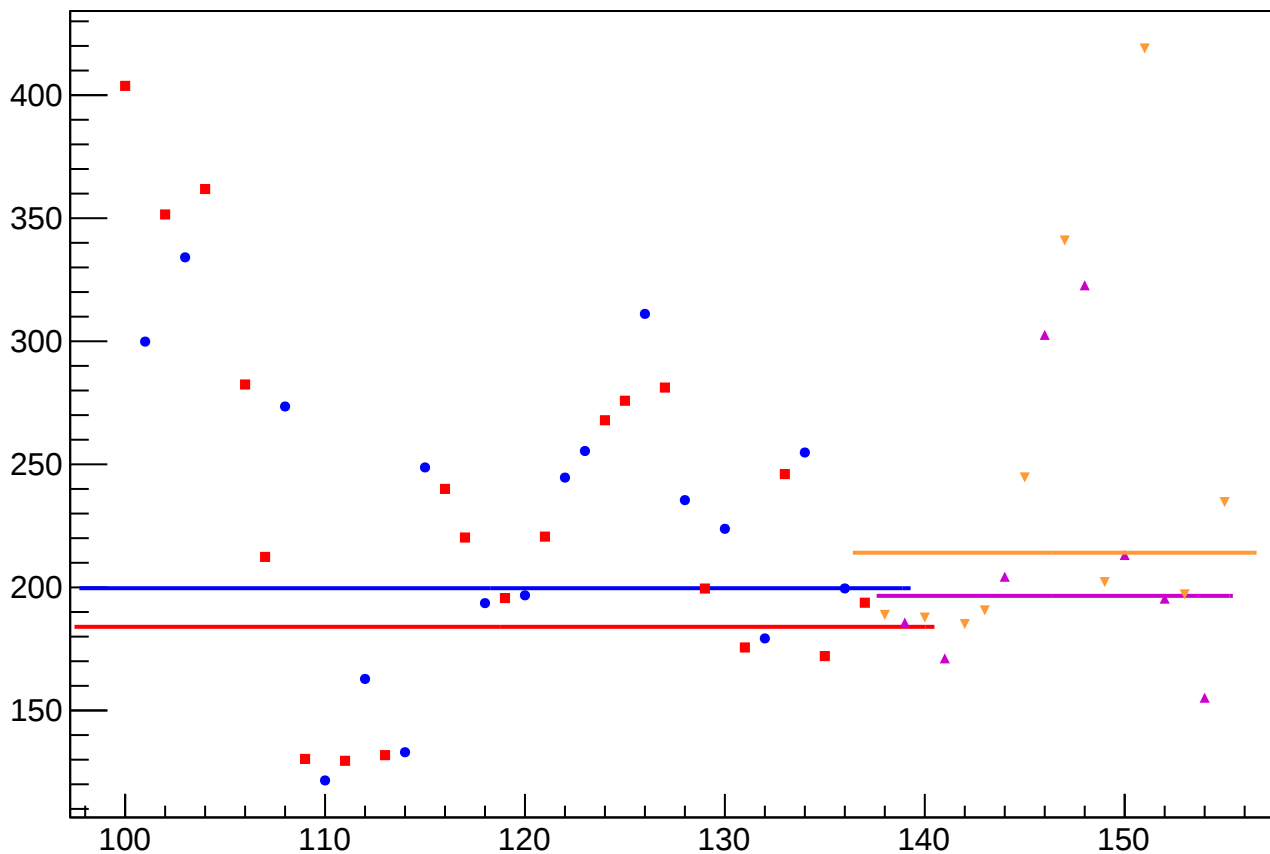
Right Out: 979.606 ± 73.710 $\chi^2/\text{NDF}: 586.1/19$

Left In: 428.293 ± 81.205 $\chi^2/\text{NDF}: 554.3/7$

398.620 ± 57.809 $\chi^2/\text{NDF}: 1655.4/26$

730.561 ± 54.579 $\chi^2/\text{NDF}: 1165.6/27$

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 ± 0.058 $\chi^2/\text{NDF}: 943155.1/16$

Left Out: 214.096 ± 0.058 $\chi^2/\text{NDF}: 727007.6/9$

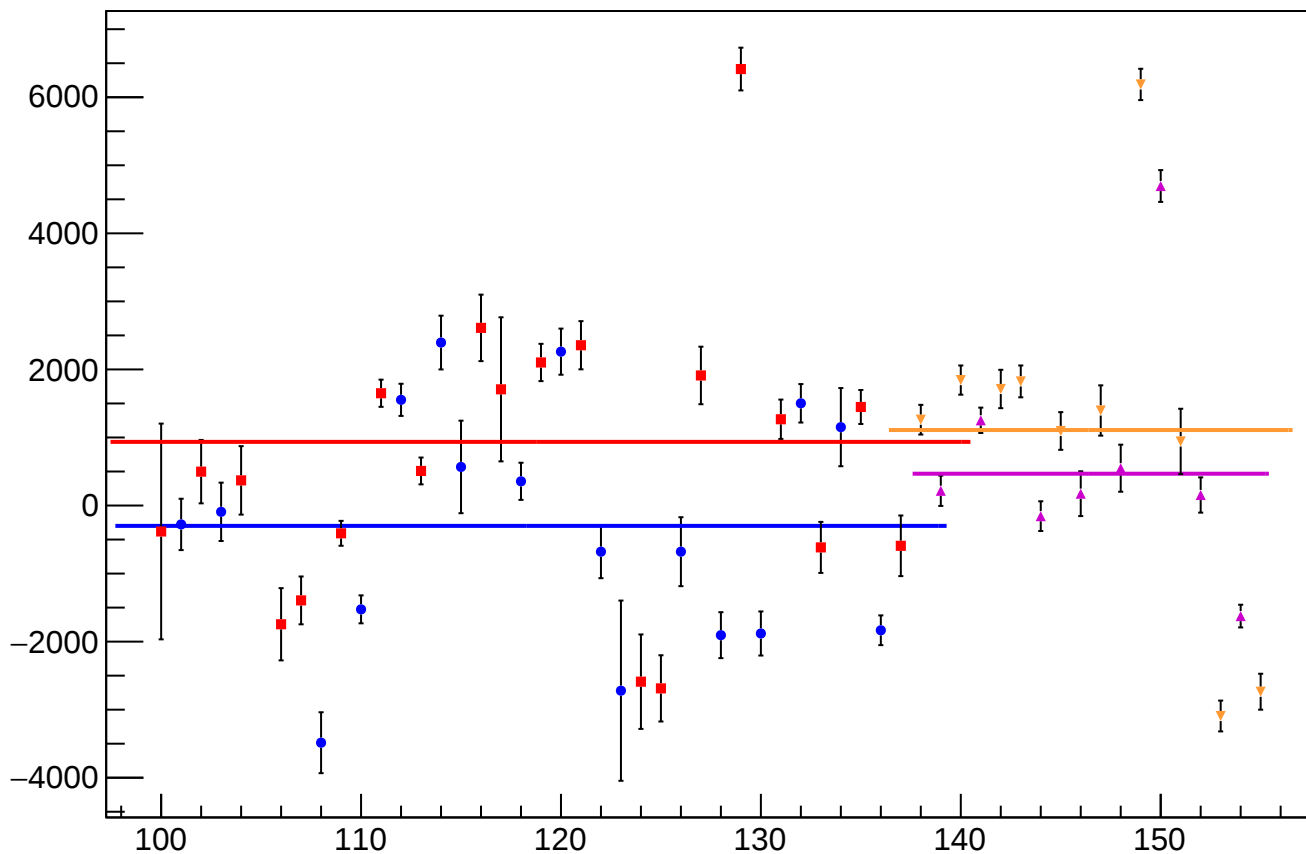
Right Out: 183.984 ± 0.052 $\chi^2/\text{NDF}: 1351978.1/19$

Left In: 196.567 ± 0.057 $\chi^2/\text{NDF}: 611903.7/7$

206.805 ± 0.041 $\chi^2/\text{NDF}: 1701298.3/26$

189.668 ± 0.039 $\chi^2/\text{NDF}: 1990209.5/27$

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 1109.431 ± 81.368 χ^2/NDF : 1070.7/9

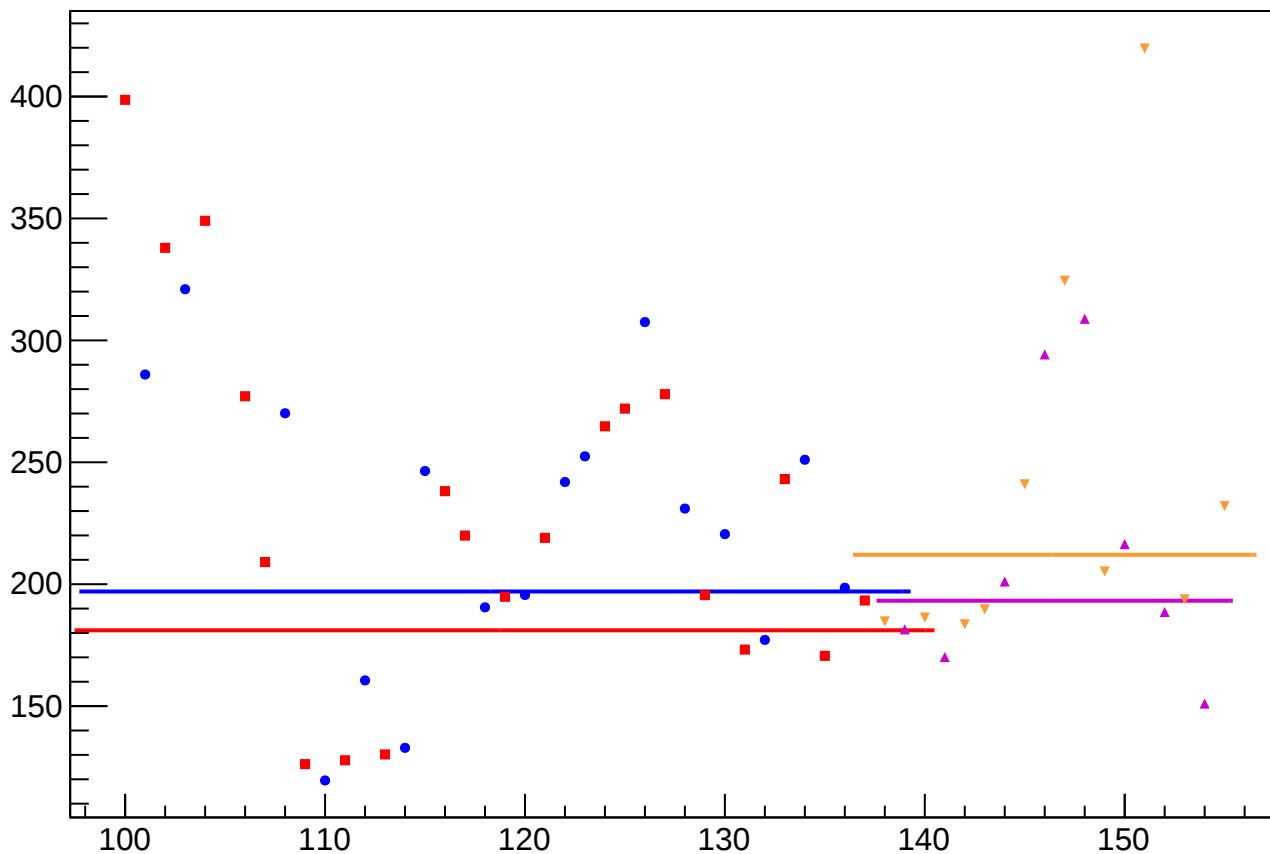
Right Out: 935.490 ± 72.580 χ^2/NDF : 615.3/19

Left In: 467.733 ± 79.866 χ^2/NDF : 514.6/7

394.716 ± 57.105 χ^2/NDF : 1629.3/26

723.919 ± 53.713 χ^2/NDF : 1148.7/27

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

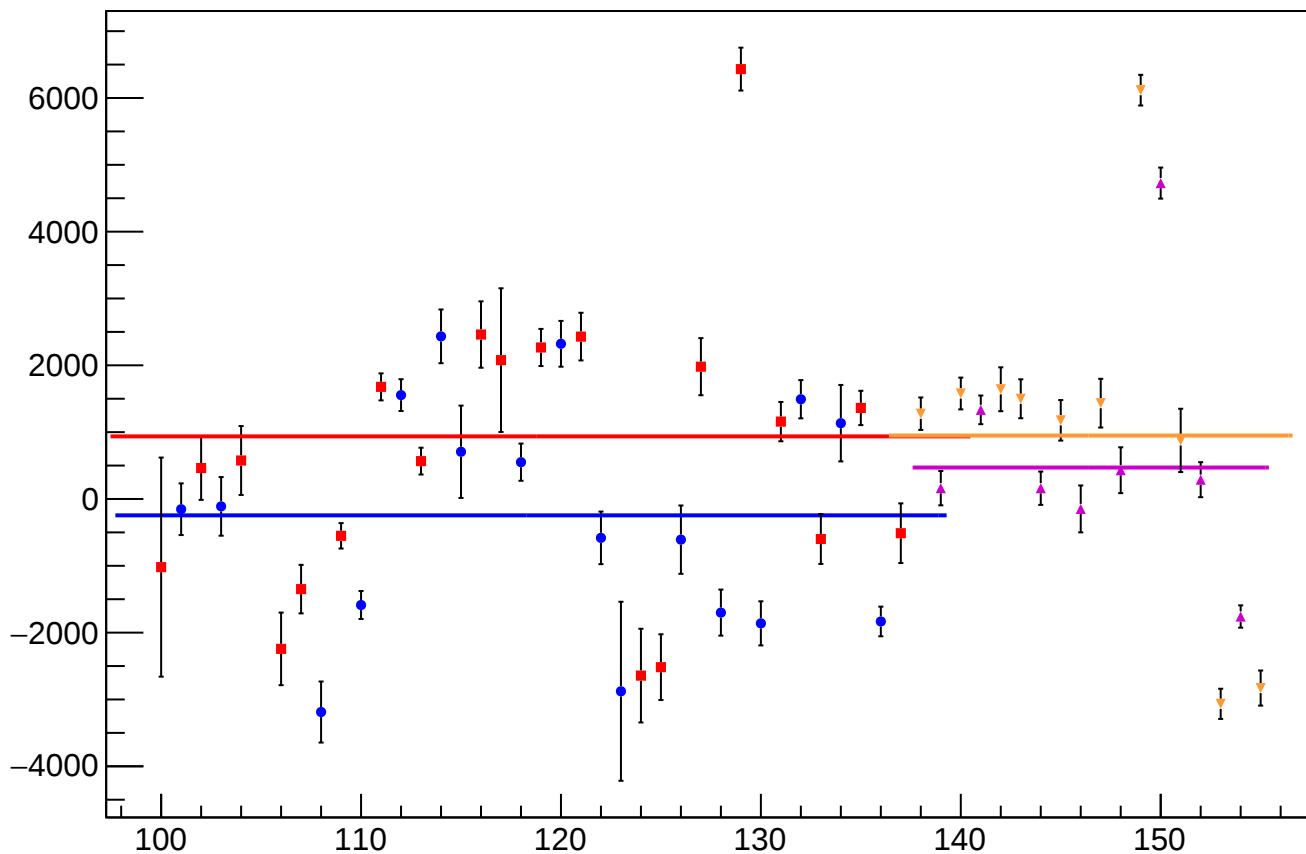
Right Out: 181.089 ± 0.051 χ^2/NDF : 1348390.5/19

Left In: 193.226 ± 0.056 χ^2/NDF : 599292.8/7

204.426 ± 0.040 χ^2/NDF : 1652744.2/26

186.579 ± 0.038 χ^2/NDF : 1972978.9/27

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 ± 81.395 $\chi^2/\text{NDF}: 391.4/16$

Left Out: 949.233 ± 87.146 $\chi^2/\text{NDF}: 1050.0/9$

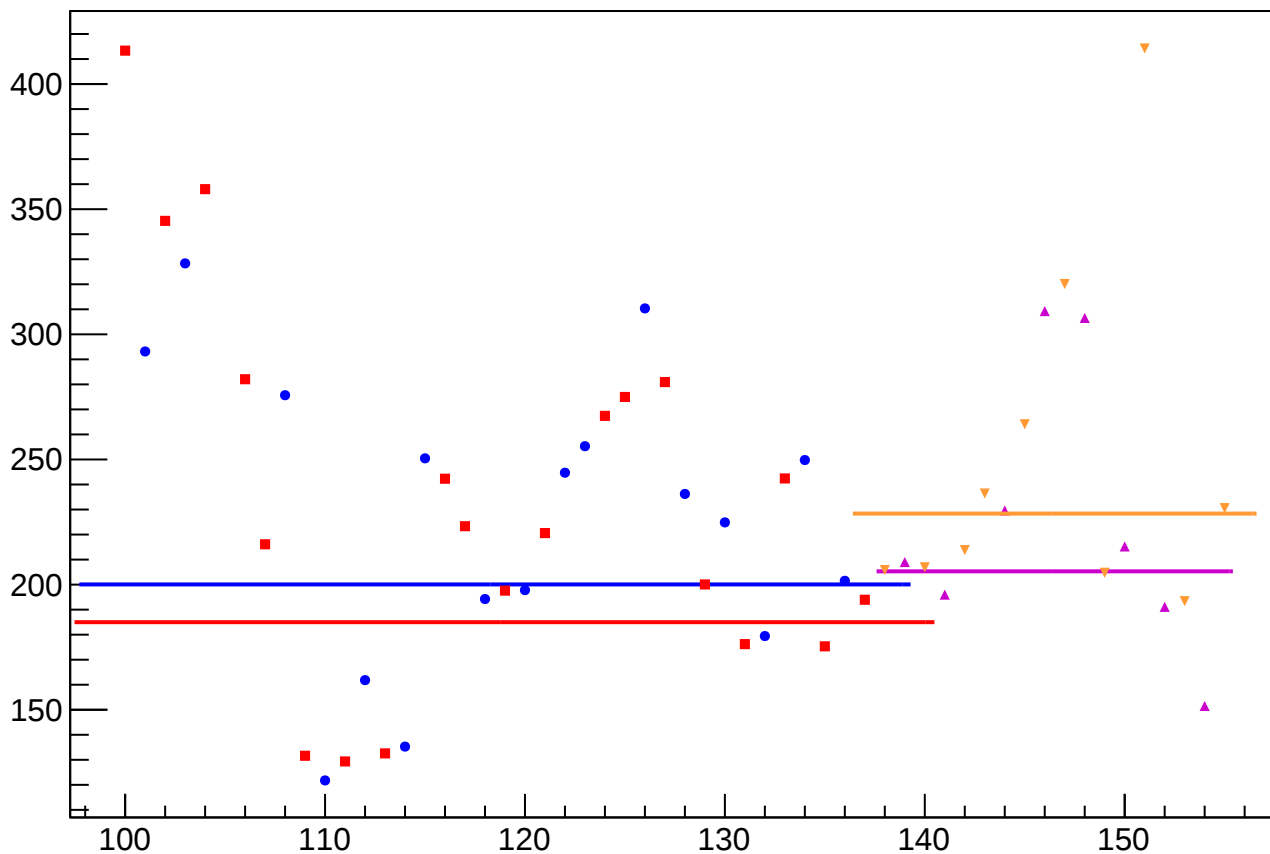
Right Out: 936.709 ± 74.030 $\chi^2/\text{NDF}: 610.9/19$

Left In: 470.428 ± 84.945 $\chi^2/\text{NDF}: 536.3/7$

311.451 ± 59.484 $\chi^2/\text{NDF}: 1541.7/26$

735.433 ± 55.810 $\chi^2/\text{NDF}: 1164.3/27$

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

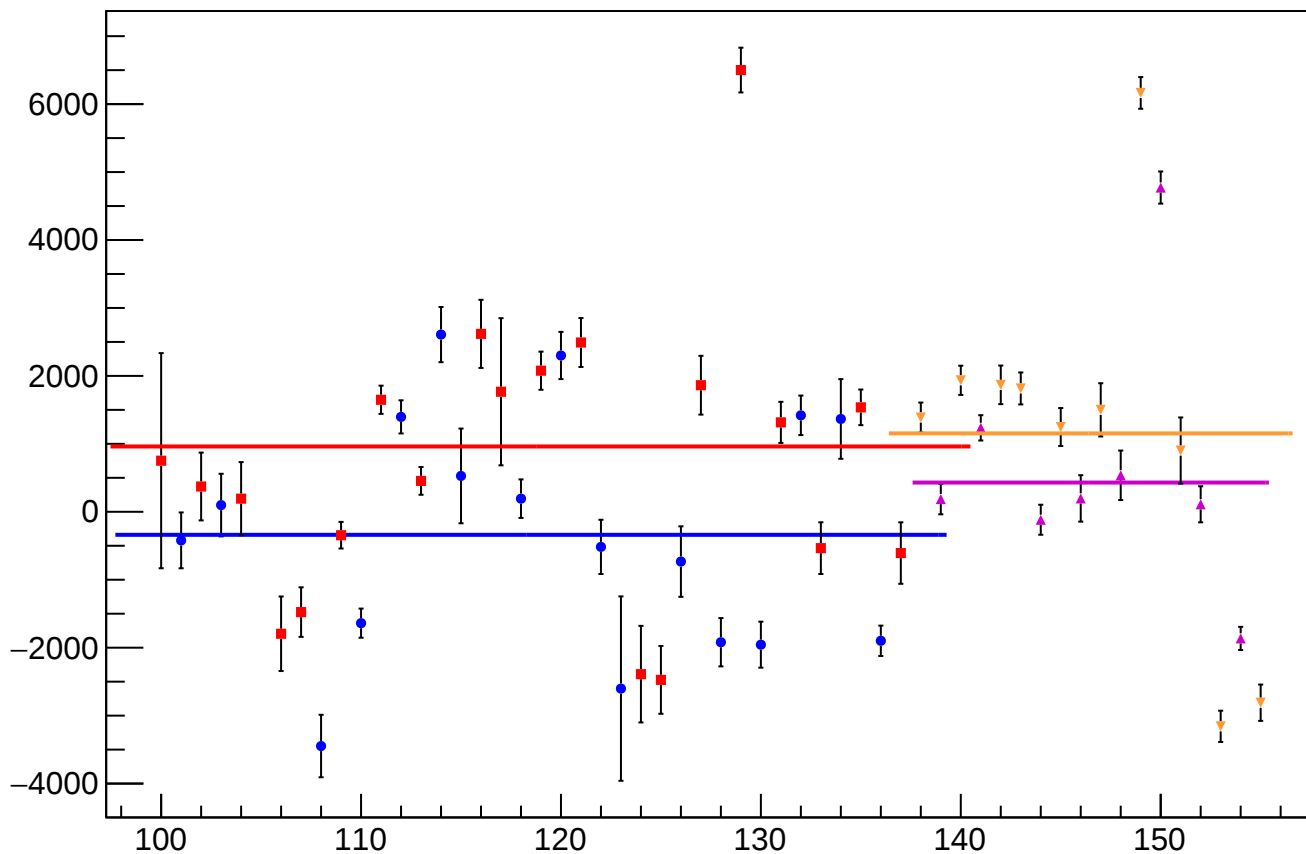
213.264+/-0.042 χ^2/NDF : 1601604.9/26

Right Out: 184.990+/-0.052 χ^2/NDF : 1320825.4/19

193.761+/-0.039 χ^2/NDF : 1975901.0/27

Left In: 205.310+/-0.060 χ^2/NDF : 590031.5/7

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 $\chi^2/\text{NDF}: 389.5/16$

Left Out: 1153.821 ± 82.323 $\chi^2/\text{NDF}: 1062.6/9$

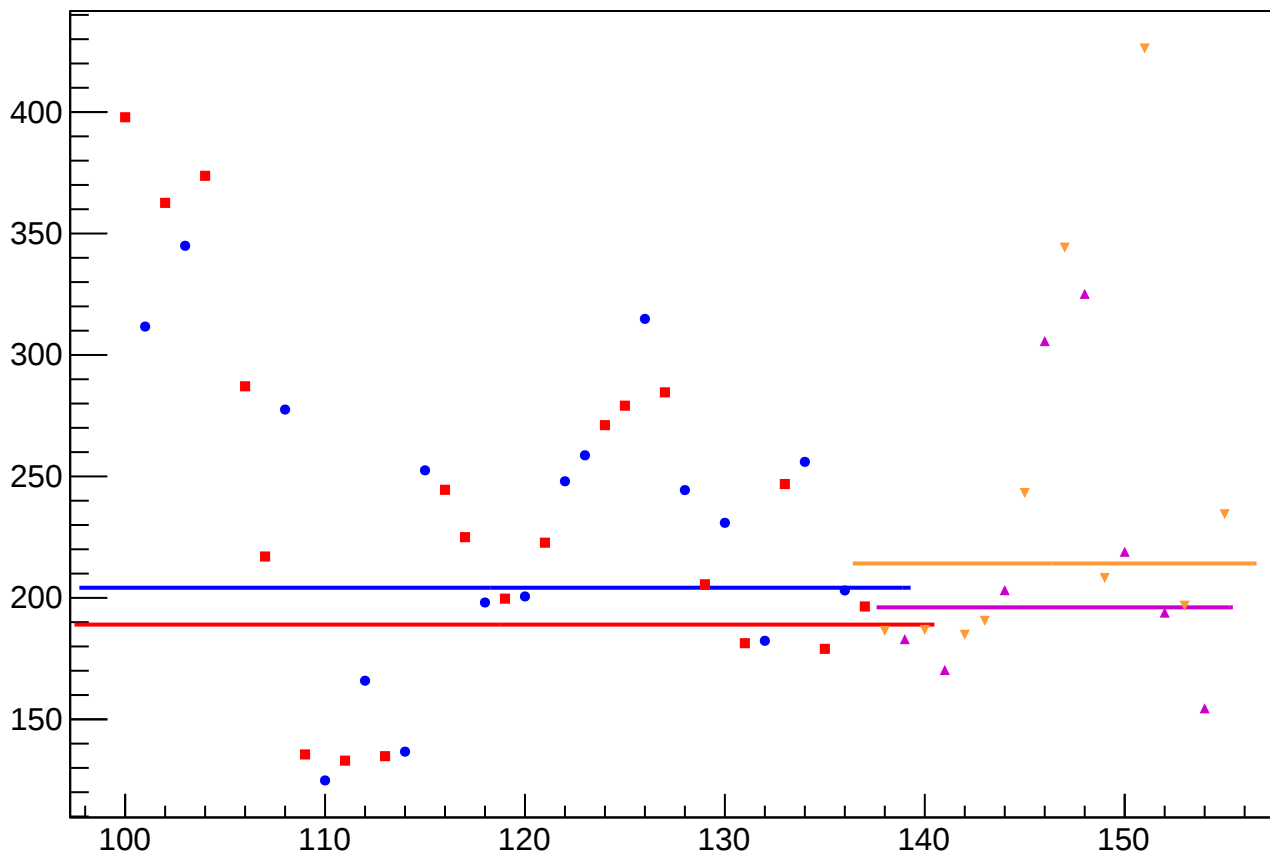
Right Out: 961.556 ± 75.564 $\chi^2/\text{NDF}: 570.9/19$

Left In: 430.352 ± 81.158 $\chi^2/\text{NDF}: 546.8/7$

414.644 ± 58.492 $\chi^2/\text{NDF}: 1614.9/26$

714.891 ± 55.304 $\chi^2/\text{NDF}: 1140.7/27$

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

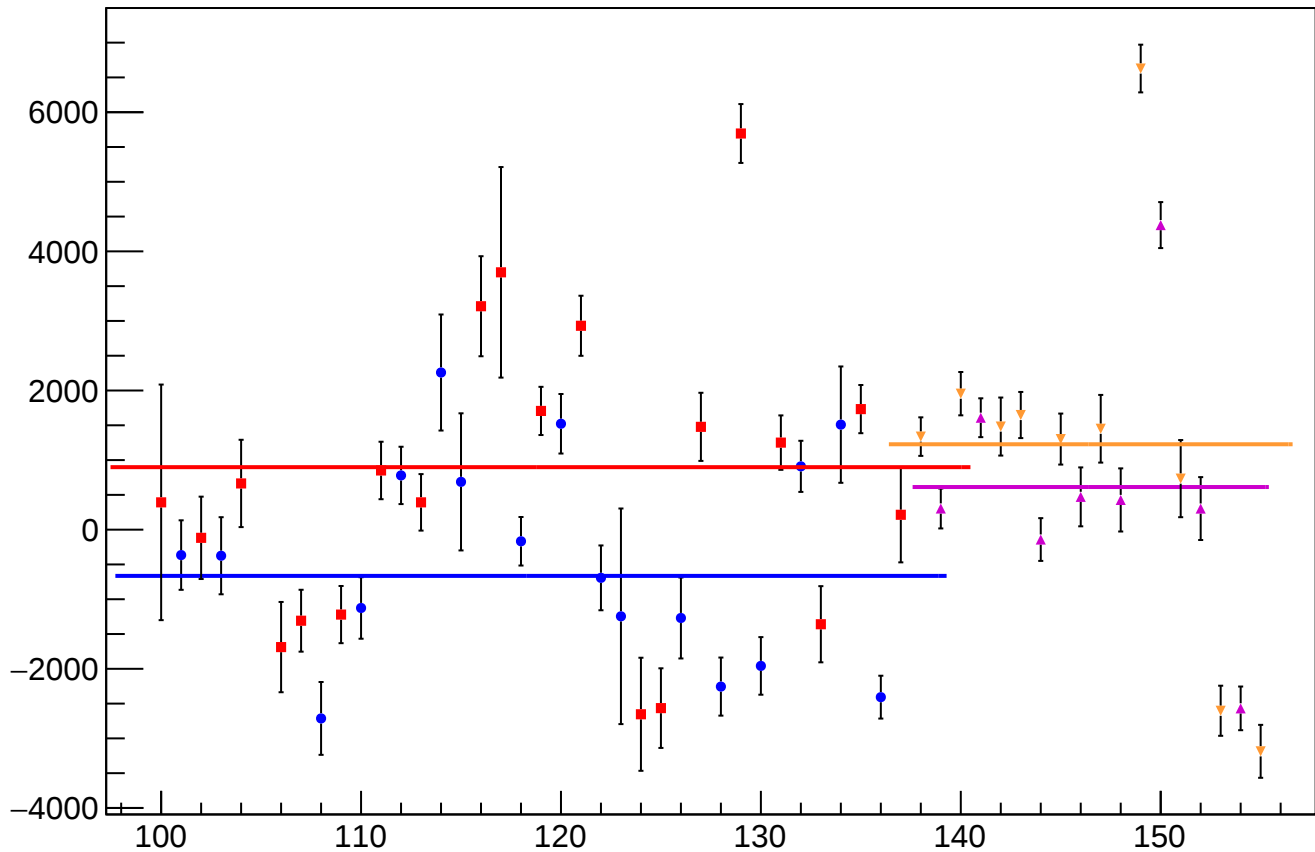
Right Out: 188.997 ± 0.053 χ^2/NDF : 1317112.1/19

Left In: 196.104 ± 0.057 χ^2/NDF : 642102.1/7

209.214 ± 0.041 χ^2/NDF : 1712341.0/26

192.297 ± 0.039 χ^2/NDF : 1967429.0/27

asym_bpm0r03WS_mean vs Slug



Right In: -664.383 ± 113.949 $\chi^2/\text{NDF}: 154.3/16$

Left Out: 1227.381 ± 114.528 $\chi^2/\text{NDF}: 504.4/9$

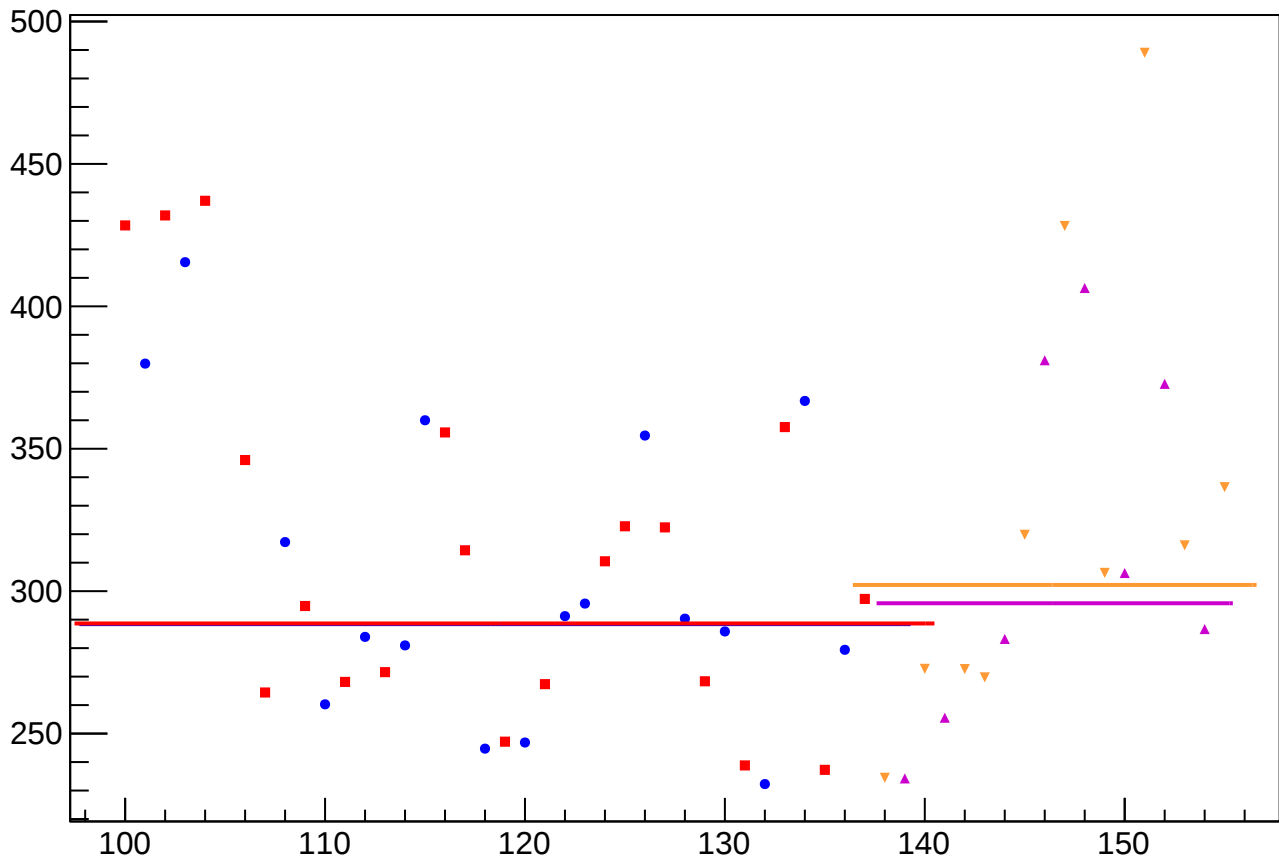
Right Out: 898.290 ± 110.578 $\chi^2/\text{NDF}: 323.5/19$

Left In: 612.768 ± 119.332 $\chi^2/\text{NDF}: 253.2/7$

276.701 ± 80.778 $\chi^2/\text{NDF}: 795.9/26$

766.384 ± 81.109 $\chi^2/\text{NDF}: 579.8/27$

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

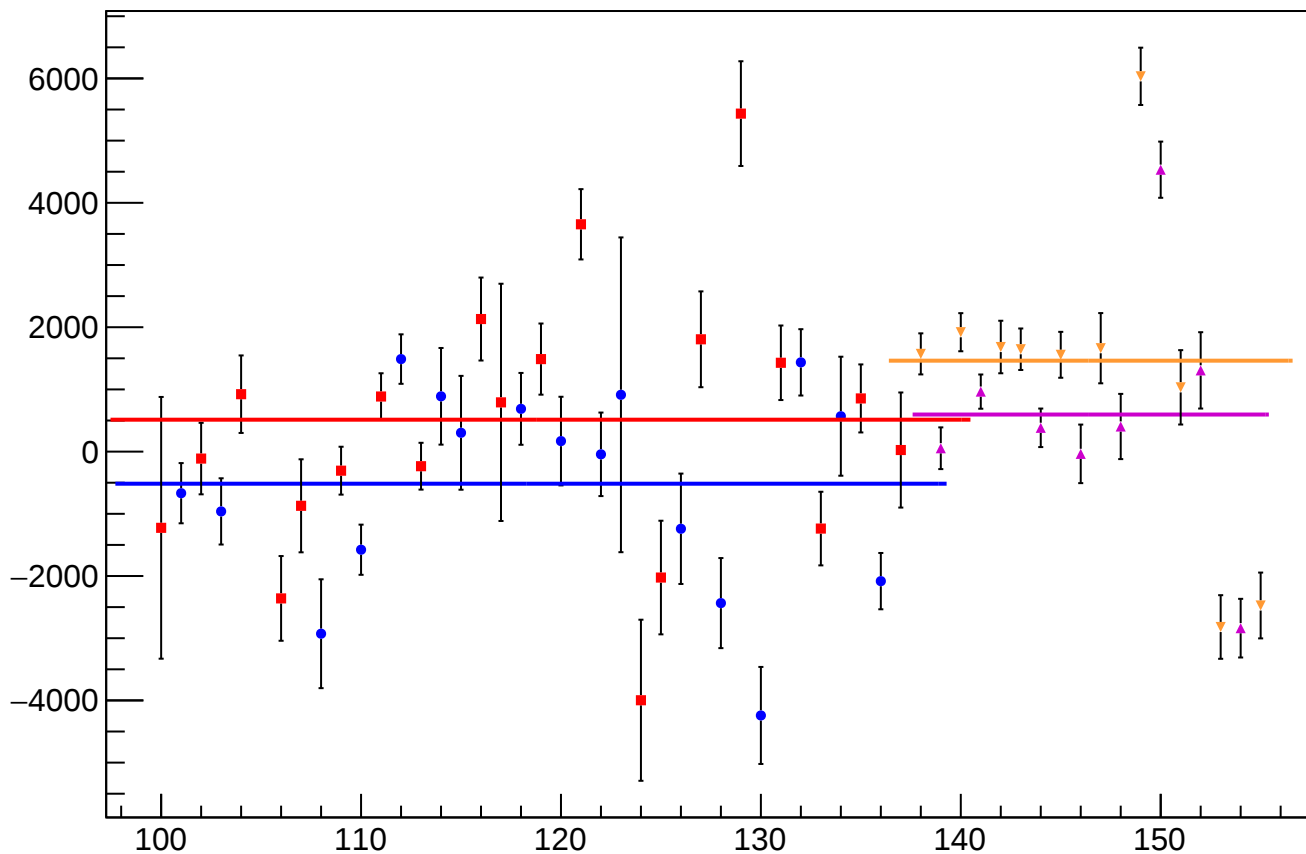
Right Out: 288.660+/-0.078 χ^2/NDF : 455989.7/19

Left In: 295.757+/-0.084 χ^2/NDF : 398818.9/7

295.274+/-0.057 χ^2/NDF : 906394.0/26

291.938+/-0.057 χ^2/NDF : 858614.3/27

asym_bpm0r05WS_mean vs Slug



Right In: -515.894 ± 147.326 $\chi^2/\text{NDF}: 108.0/16$

Left Out: 1462.221 ± 129.303 $\chi^2/\text{NDF}: 227.5/9$

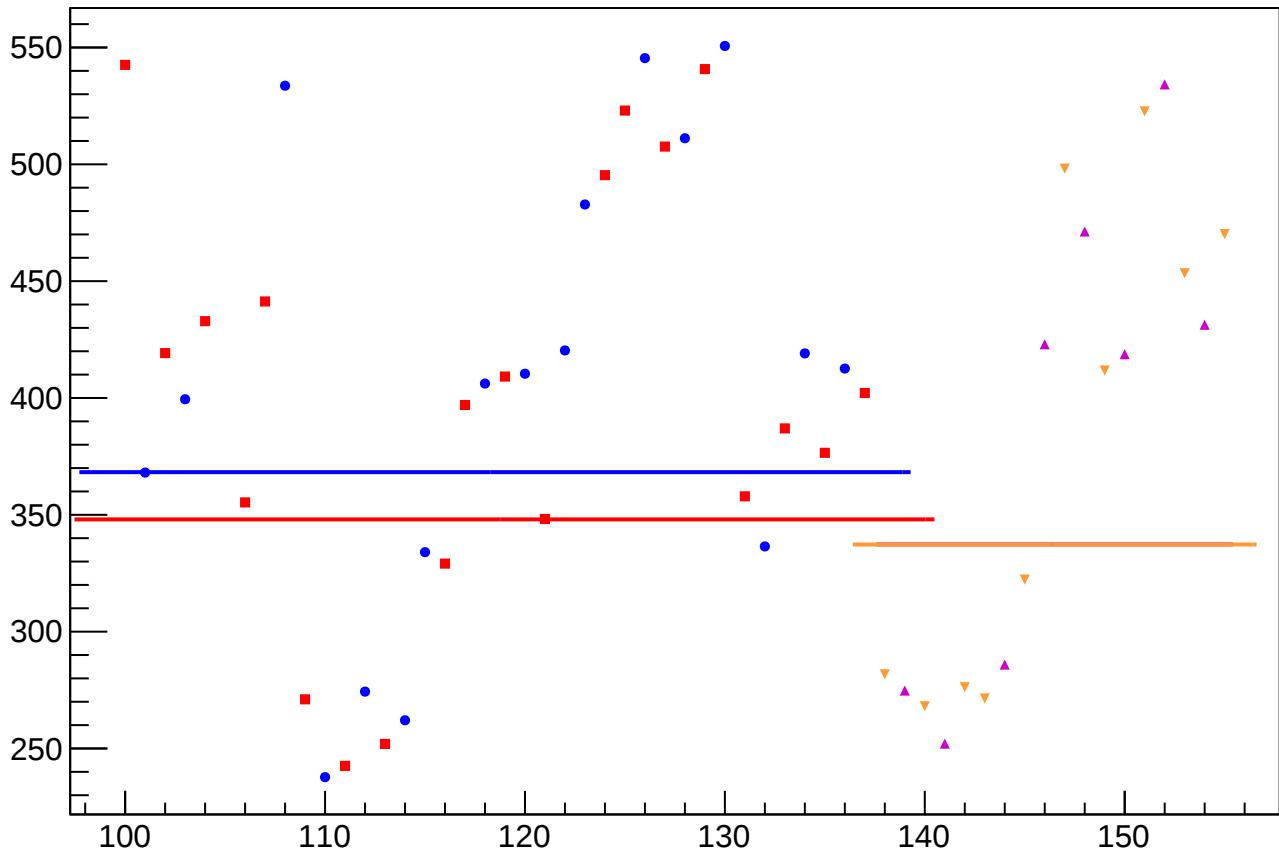
Right Out: 513.264 ± 135.456 $\chi^2/\text{NDF}: 141.3/19$

Left In: 596.294 ± 137.720 $\chi^2/\text{NDF}: 137.2/7$

601.497 ± 97.182 $\chi^2/\text{NDF}: 437.4/26$

554.091 ± 96.572 $\chi^2/\text{NDF}: 278.7/27$

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

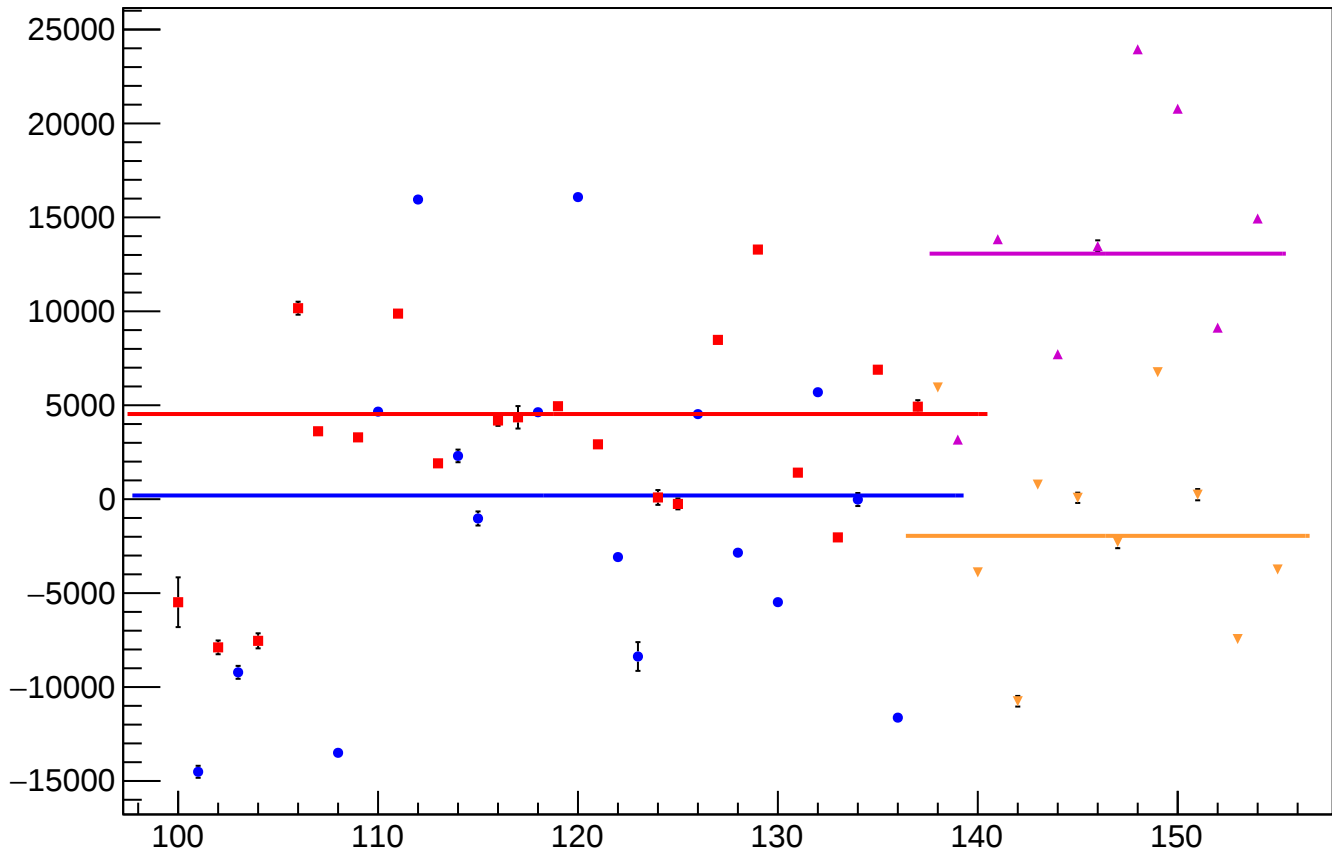
Right Out: 348.050+/-0.096 χ^2/NDF : 823186.4/19

Left In: 337.346+/-0.097 χ^2/NDF : 863724.5/7

350.771+/-0.069 χ^2/NDF : 1737828.6/26

342.787+/-0.068 χ^2/NDF : 1693051.8/27

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

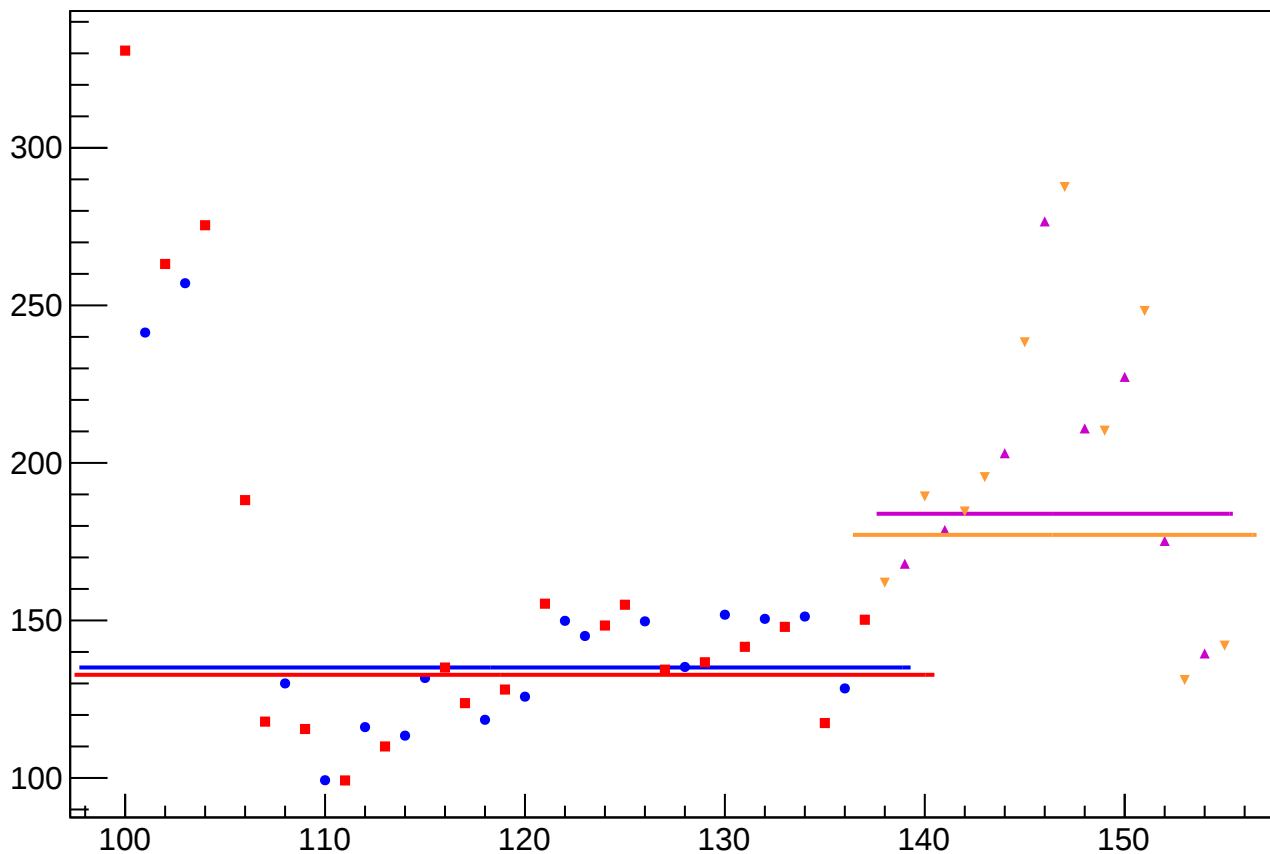
Right Out: 4532.856 $\pm$ 52.261 χ^2/NDF : 7477.3/19

Left In: 13069.433 $\pm$ 75.528 χ^2/NDF : 6318.6/7

-646.812 $\pm$ 42.704 χ^2/NDF : 37154.3/26

7296.717 $\pm$ 42.976 χ^2/NDF : 22434.6/27

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

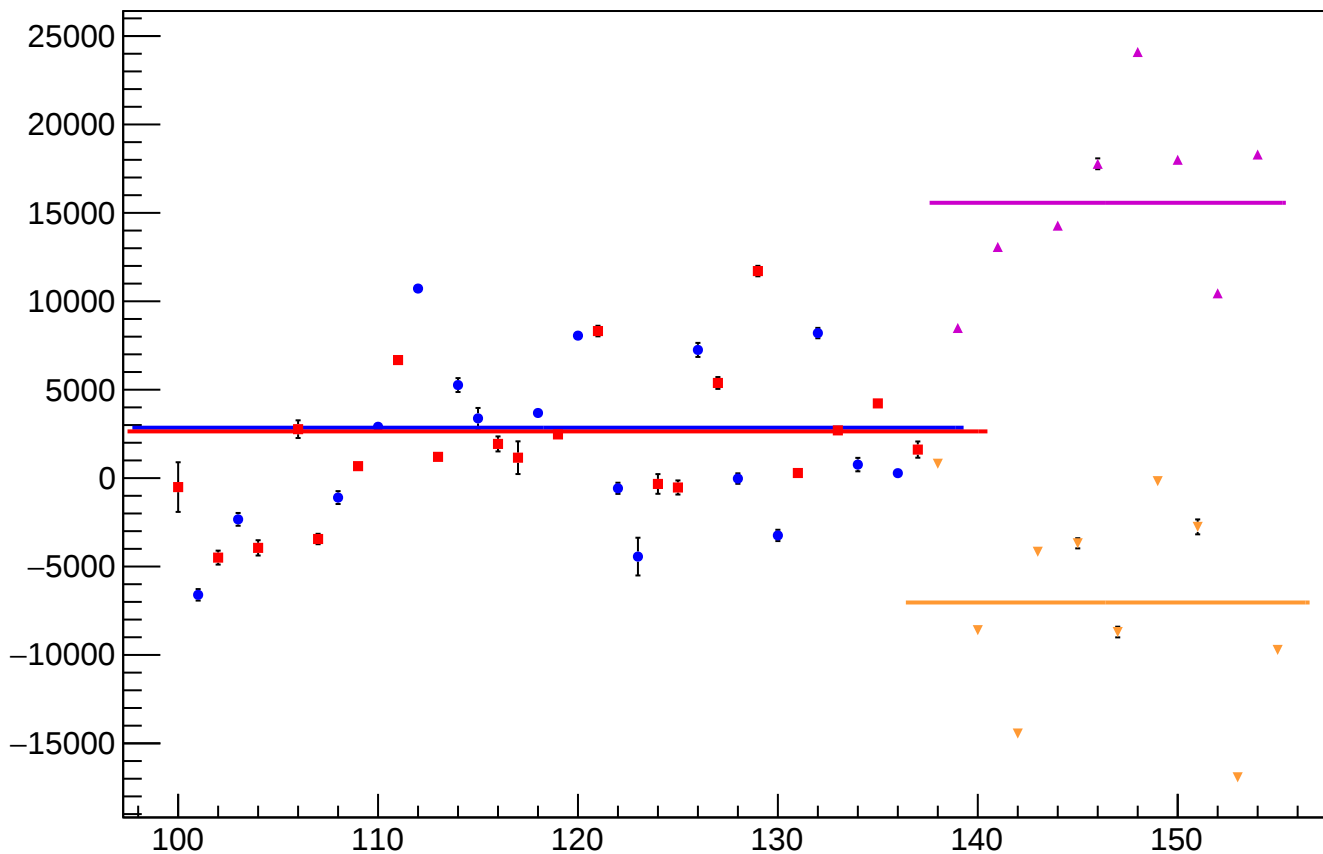
Right Out: 132.747 ± 0.037 χ^2/NDF : 831647.2/19

Left In: 183.862 ± 0.053 χ^2/NDF : 468650.5/7

151.602 ± 0.030 χ^2/NDF : 1925015.0/26

149.296 ± 0.030 χ^2/NDF : 1919734.6/27

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

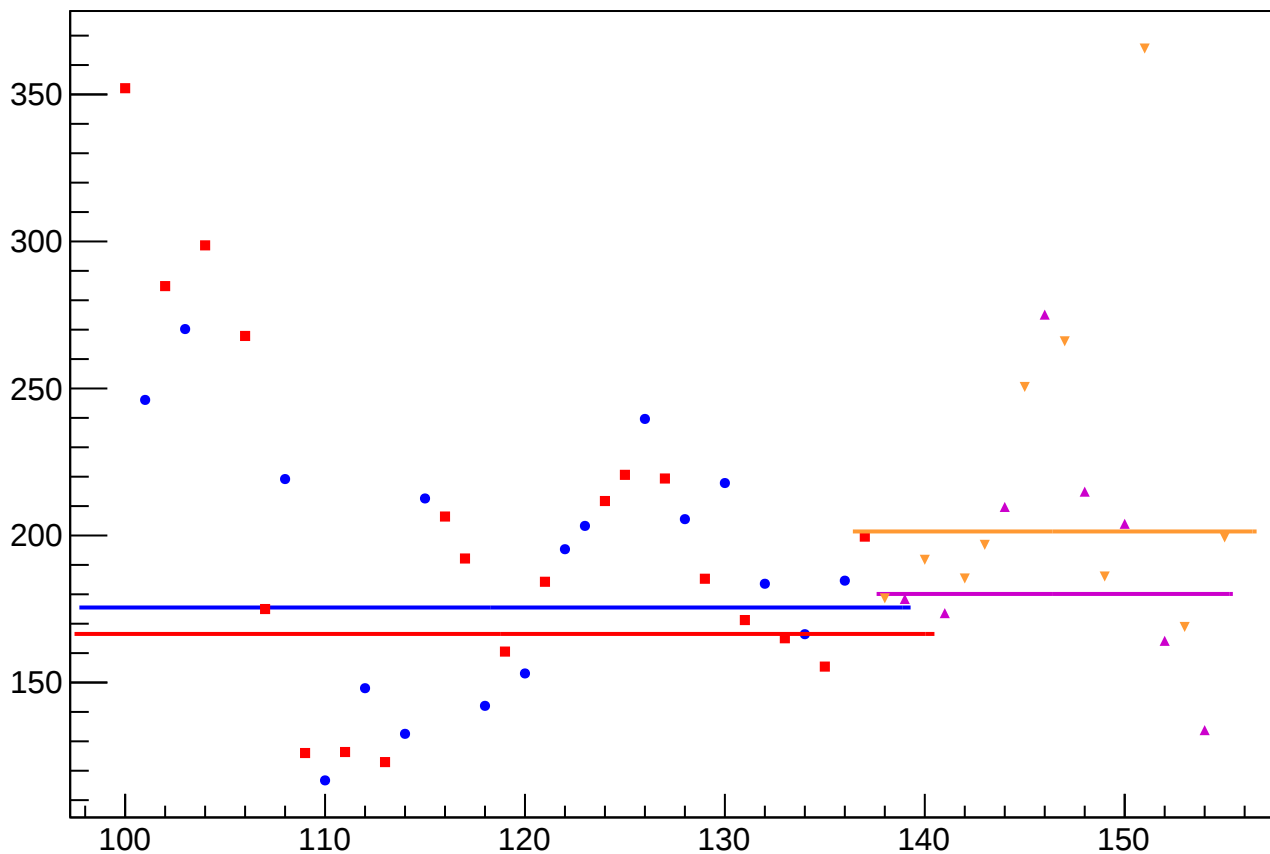
Right Out: 2641.642+/-65.566 χ^2/NDF : 3178.3/19

Left In: 15570.196+/-74.245 χ^2/NDF : 3498.3/7

-1691.532+/-52.014 χ^2/NDF : 19435.1/26

8306.373+/-49.145 χ^2/NDF : 23712.9/27

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

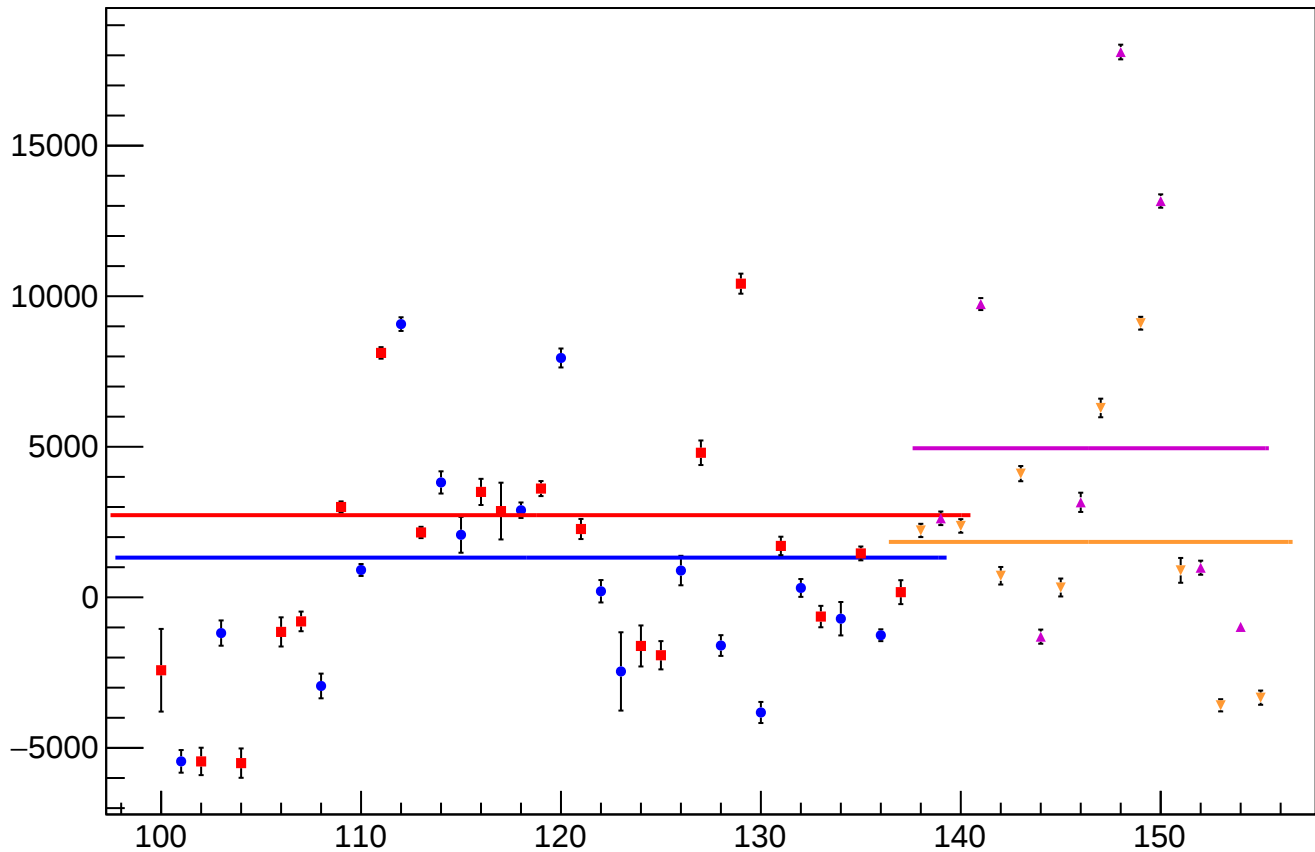
Right Out: 166.522+/-0.046 χ^2/NDF : 931079.9/19

Left In: 180.122+/-0.052 χ^2/NDF : 498954.0/7

187.398+/-0.037 χ^2/NDF : 1364751.5/26

172.481+/-0.035 χ^2/NDF : 1467736.6/27

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

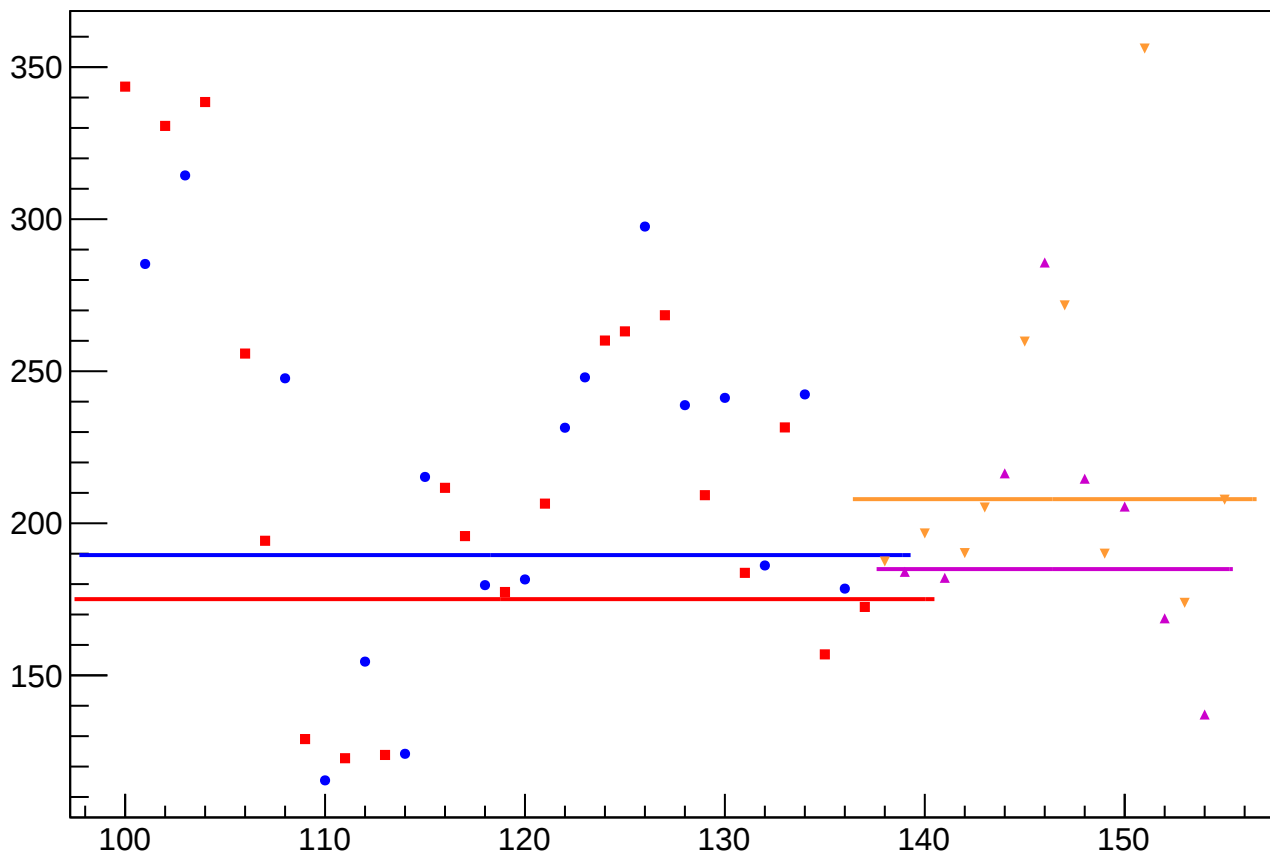
Right Out: 2728.550+/-69.837 χ^2/NDF : 2495.9/19

Left In: 4951.227+/-76.261 χ^2/NDF : 7530.1/7

1573.177+/-55.248 χ^2/NDF : 5388.4/26

3742.334+/-51.504 χ^2/NDF : 10488.1/27

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

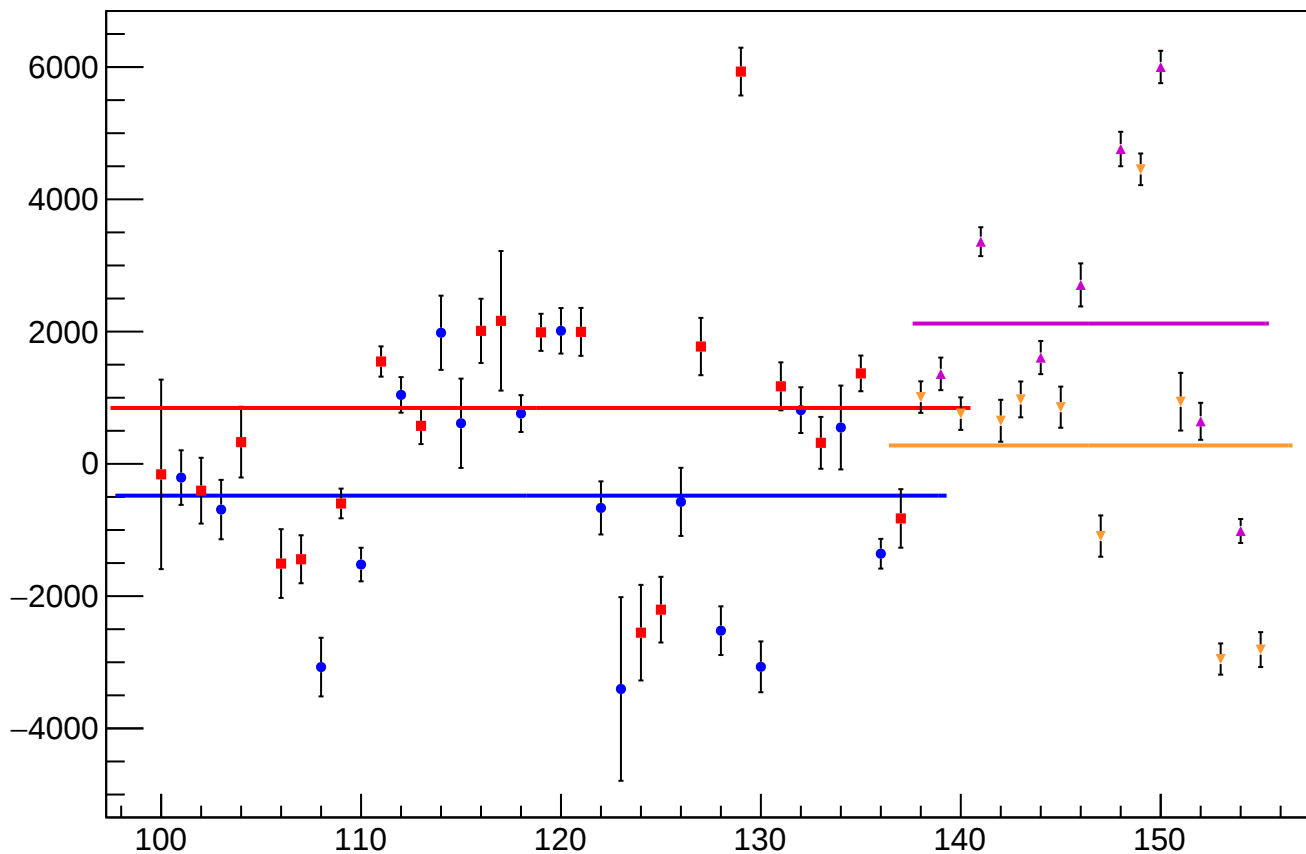
Right Out: 175.058+/-0.049 χ^2/NDF : 1298079.7/19

Left In: 184.939+/-0.054 χ^2/NDF : 491643.1/7

198.505+/-0.039 χ^2/NDF : 1540875.4/26

179.565+/-0.036 χ^2/NDF : 1807982.9/27

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

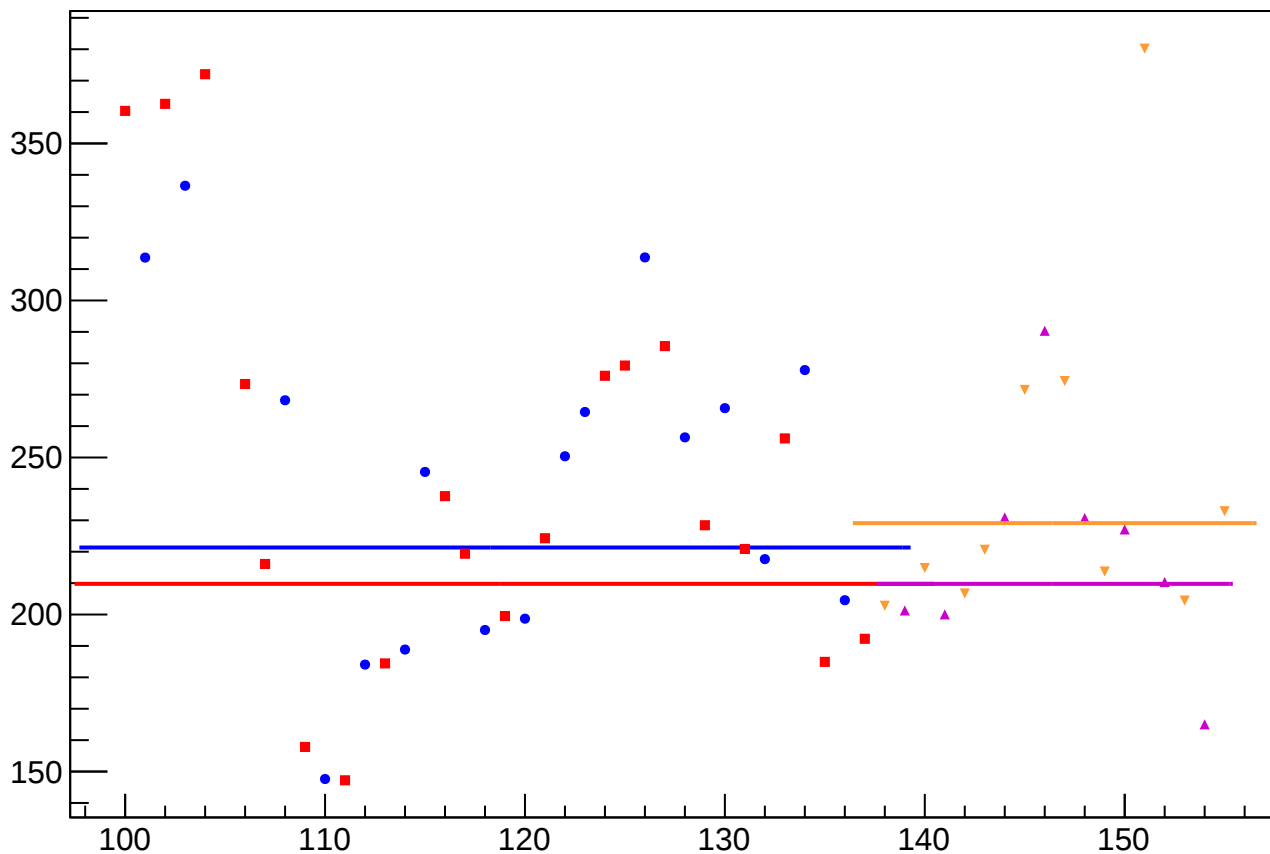
Right Out: 845.444 ± 81.995 χ^2/NDF : 436.9/19

Left In: 2121.523 ± 85.304 χ^2/NDF : 729.6/7

-91.982 ± 61.937 χ^2/NDF : 1003.1/26

1458.250 ± 59.114 χ^2/NDF : 1282.8/27

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

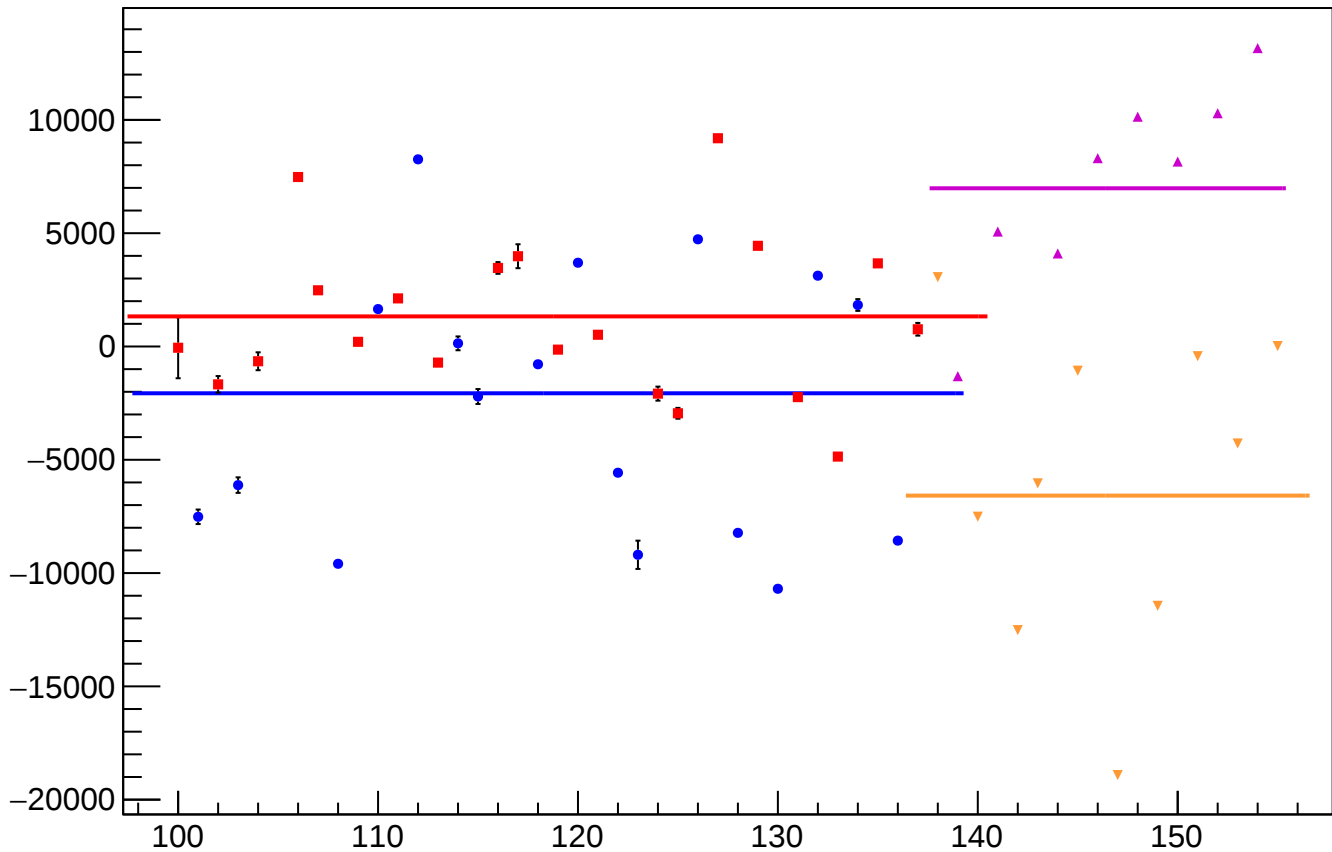
Right Out: 209.775 ± 0.058 χ^2/NDF : 884083.7/19

Left In: 209.764 ± 0.060 χ^2/NDF : 287882.0/7

225.313 ± 0.044 χ^2/NDF : 1046345.8/26

209.770 ± 0.042 χ^2/NDF : 1171965.7/27

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -6580.968 ± 42.807 $\chi^2/\text{NDF}: 24423.2/9$

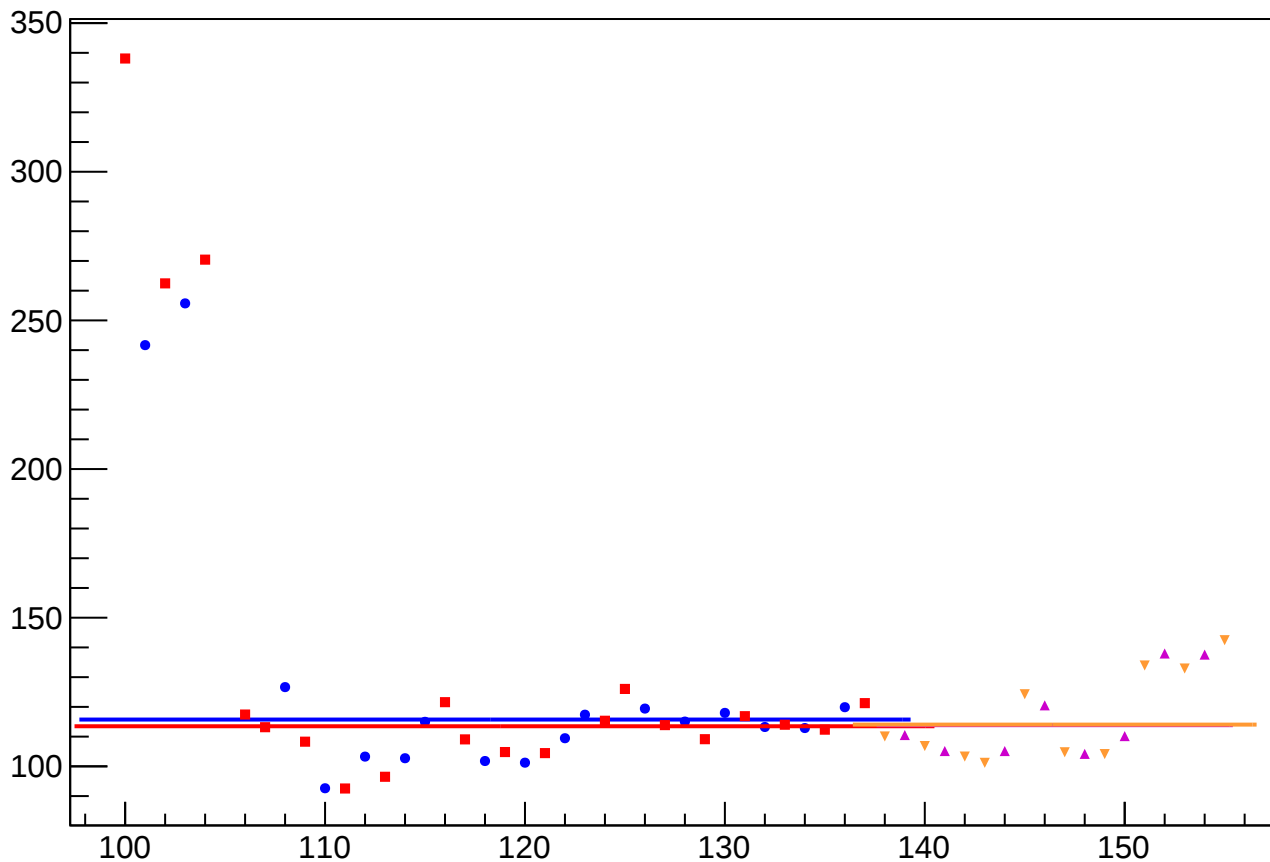
Right Out: 1327.819 ± 44.838 $\chi^2/\text{NDF}: 5919.9/19$

Left In: 6982.761 ± 45.245 $\chi^2/\text{NDF}: 7637.2/7$

-4548.743 ± 31.745 $\chi^2/\text{NDF}: 45964.8/26$

4129.739 ± 31.848 $\chi^2/\text{NDF}: 21438.1/27$

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

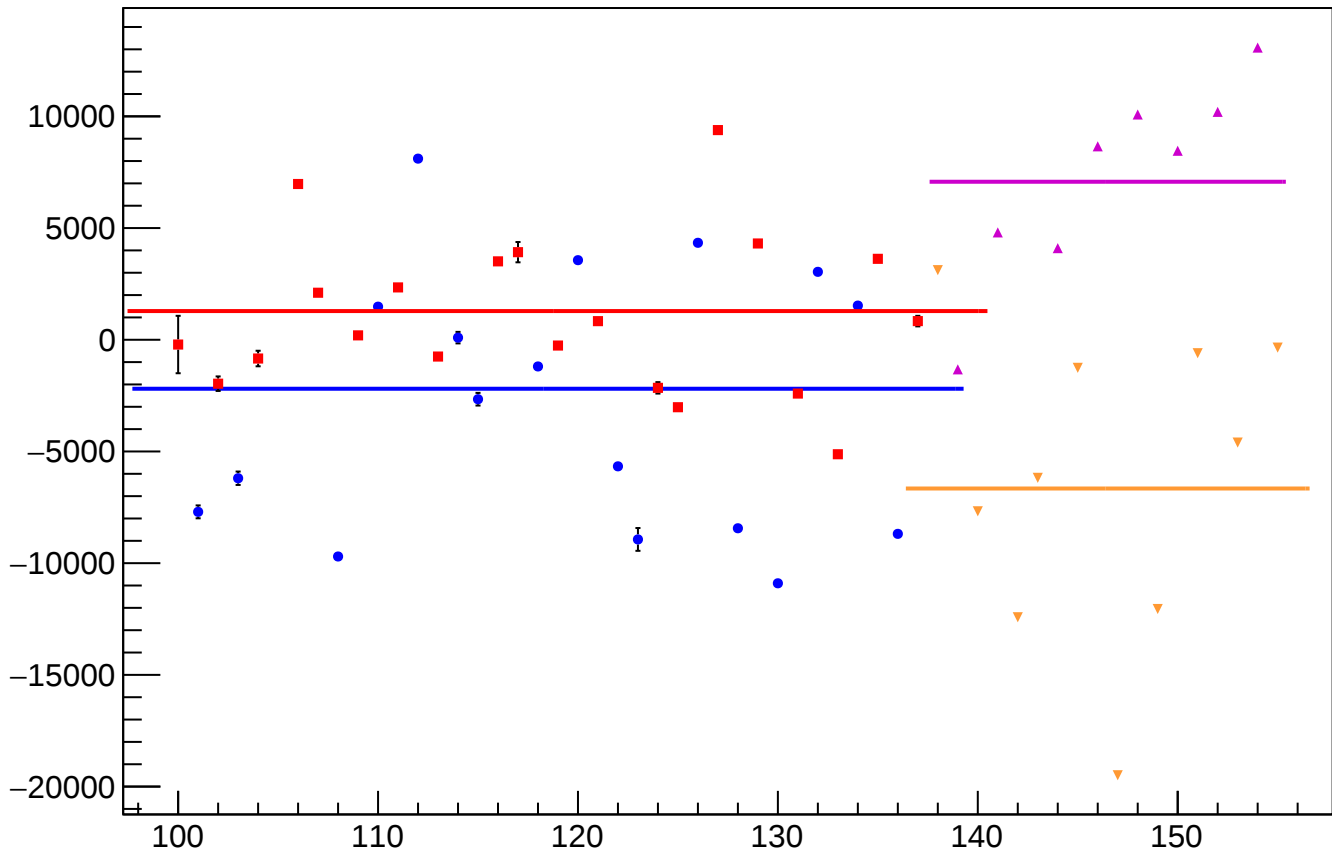
Right Out: 113.487+/-0.032 χ^2/NDF : 796781.7/19

Left In: 113.850+/-0.032 χ^2/NDF :143763.8/7

114.804+/-0.022 χ^2/NDF : 950057.3/26

113.667+/-0.023 χ^2/NDF : 940610.7/27

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327 ± 39.944 χ^2/NDF : 22813.5/16

Left Out: -6657.724 ± 39.015 χ^2/NDF : 29499.0/9

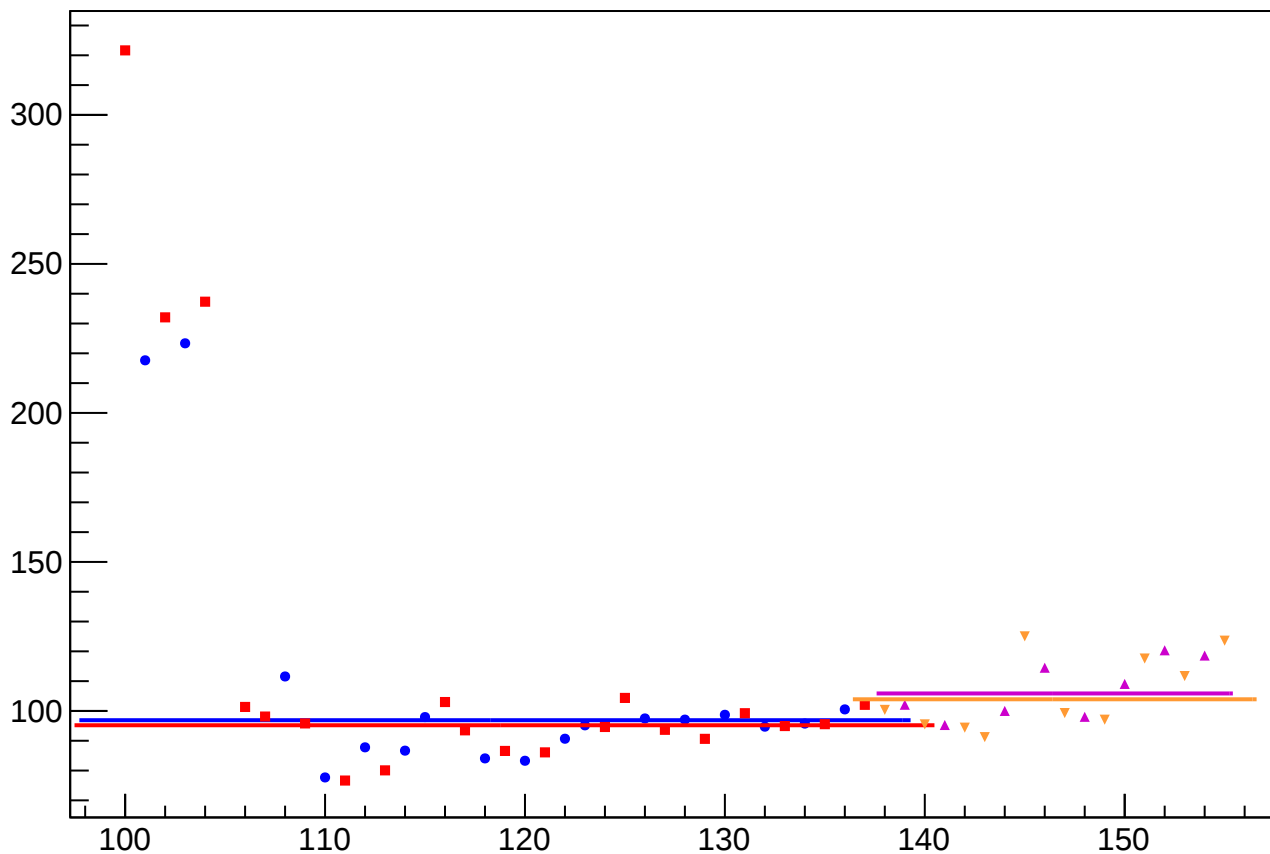
Right Out: 1284.692 ± 37.915 χ^2/NDF : 8584.4/19

Left In: 7072.896 ± 42.039 χ^2/NDF : 9305.5/7

-4477.542 ± 27.910 χ^2/NDF : 58708.2/26

3881.076 ± 28.155 χ^2/NDF : 28343.9/27

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

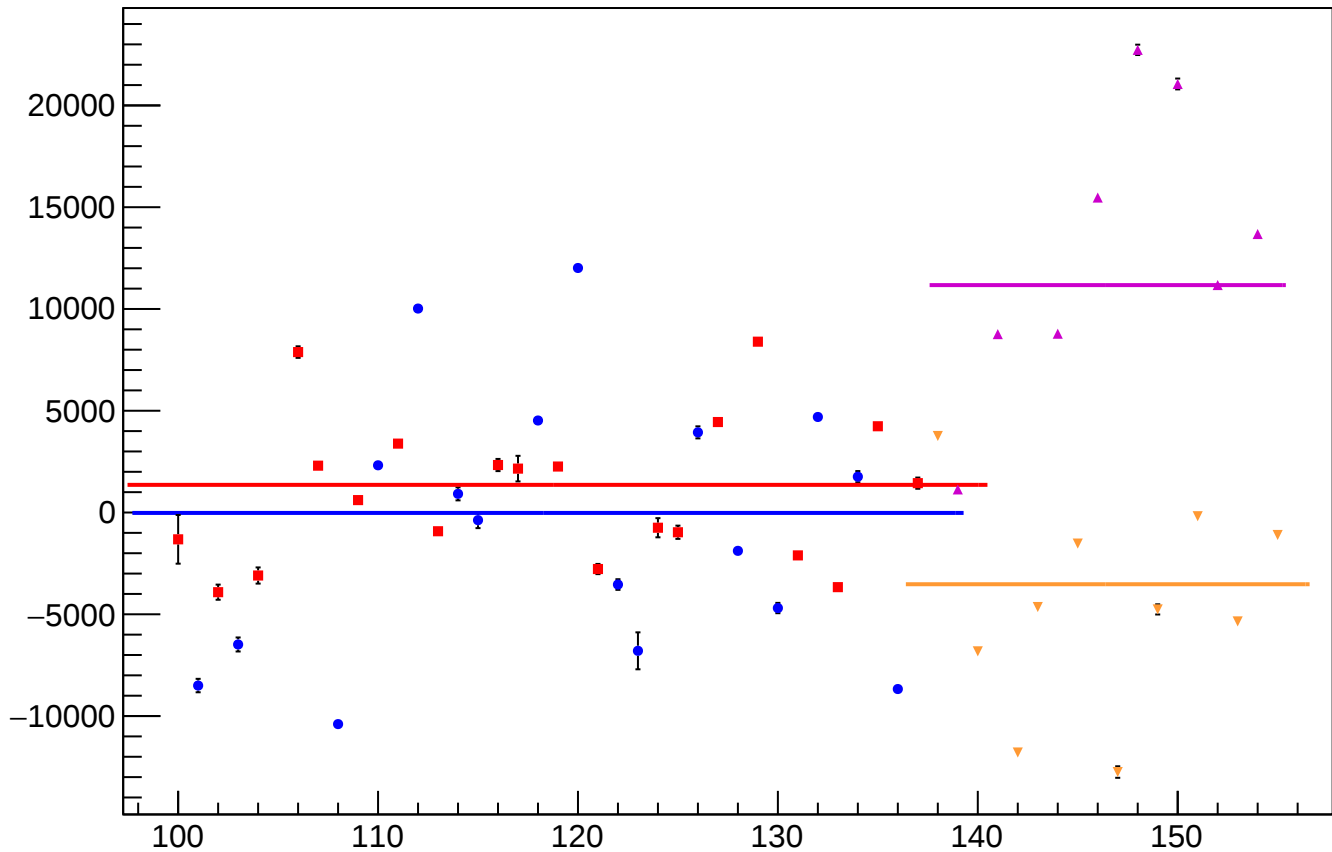
Right Out: 95.201 ± 0.027 χ^2/NDF : 859838.2/19

Left In: 105.871 ± 0.030 χ^2/NDF : 91130.6/7

100.485 ± 0.020 χ^2/NDF : 1018216.7/26

99.987 ± 0.020 χ^2/NDF : 1022004.1/27

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 χ^2/NDF : 16361.0/16

Left Out: -3523.566 ± 59.608 χ^2/NDF : 5632.0/9

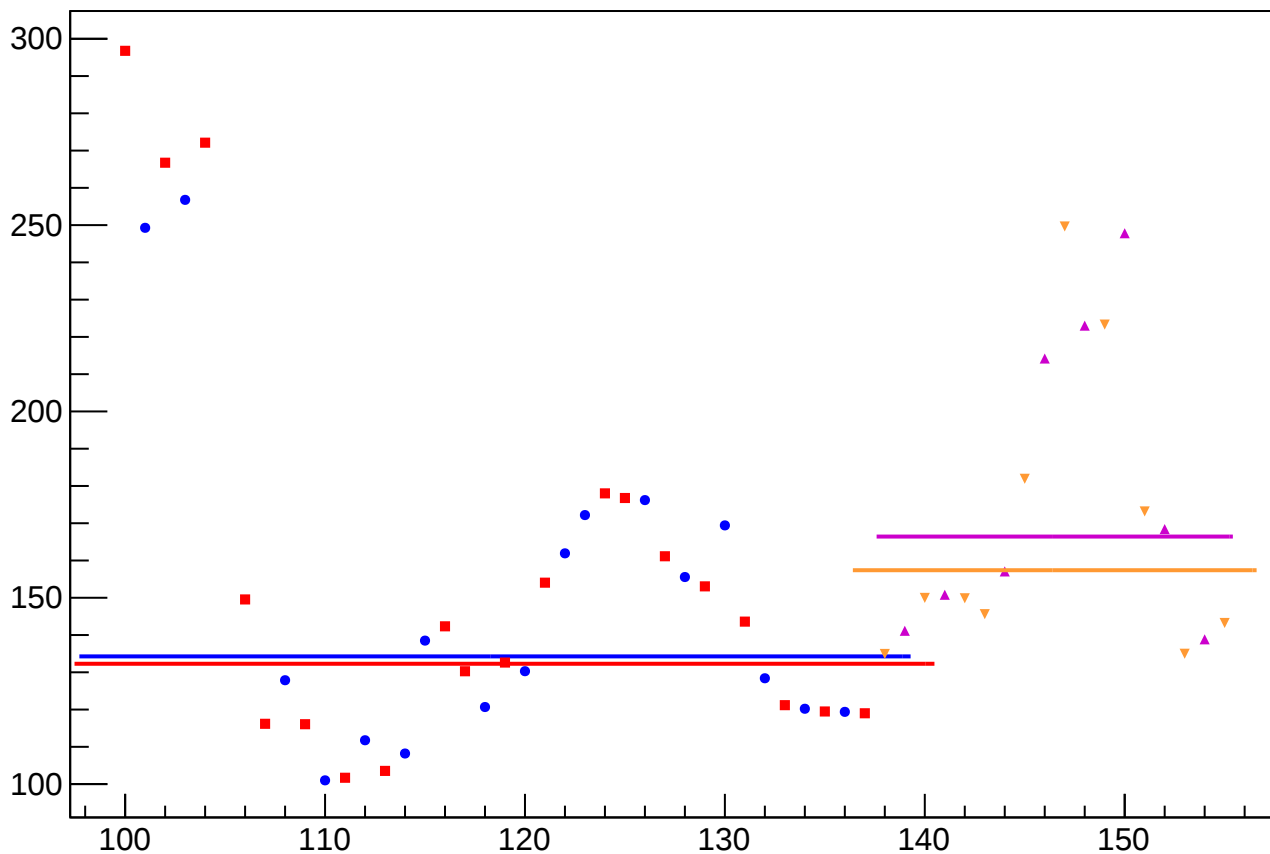
Right Out: 1359.001 ± 52.186 χ^2/NDF : 3838.8/19

Left In: 11172.831 ± 67.253 χ^2/NDF : 7769.9/7

-1619.813 ± 40.280 χ^2/NDF : 23870.2/26

5047.275 ± 41.229 χ^2/NDF : 24899.7/27

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 $\pm$ 0.039 χ^2 /NDF: 788647.0/16

Left Out: 157.392 $\pm$ 0.042 χ^2 /NDF: 505349.3/9

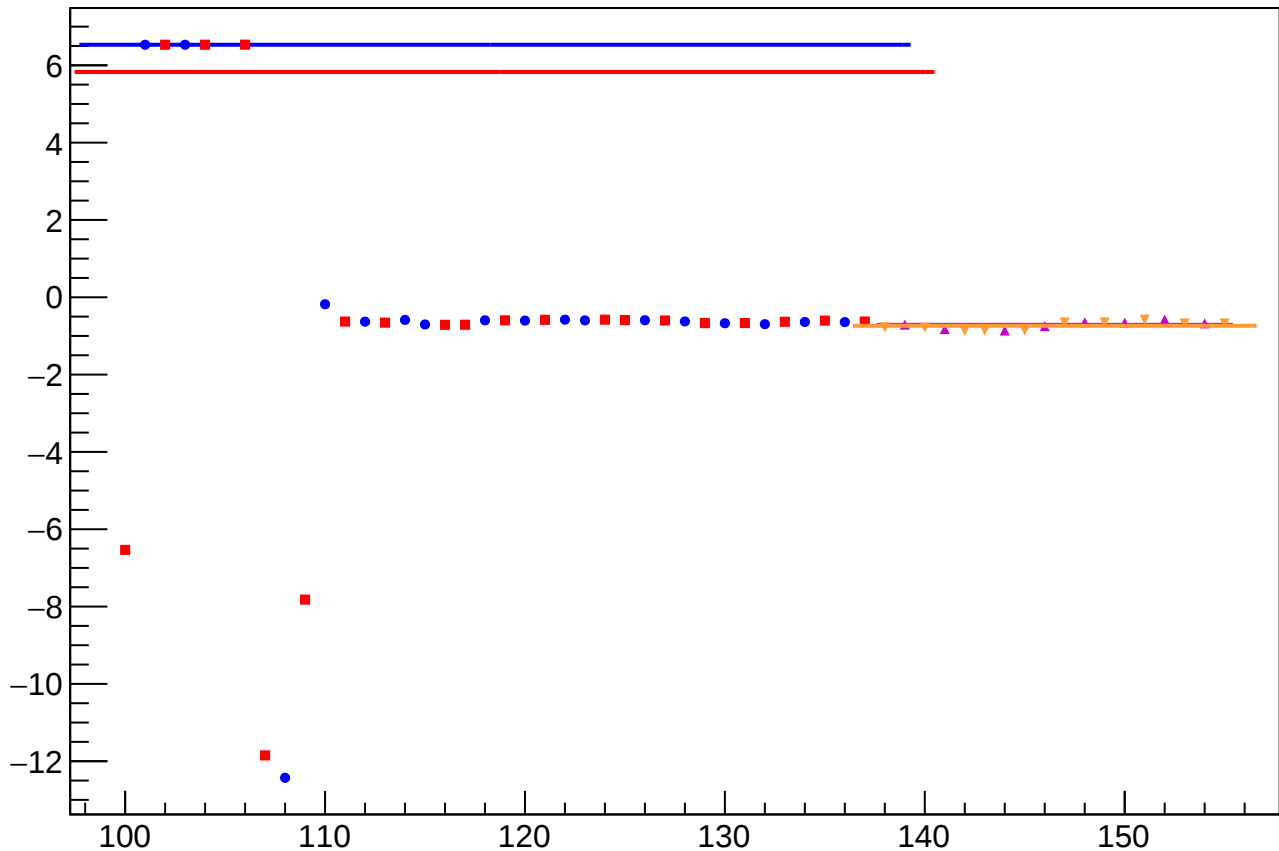
Right Out: 132.288 $\pm$ 0.037 χ^2 /NDF: 869913.4/19

Left In: 166.424 $\pm$ 0.048 χ^2 /NDF: 497520.1/7

144.827 $\pm$ 0.028 χ^2 /NDF: 1457541.5/26

145.117 $\pm$ 0.029 χ^2 /NDF: 1689037.6/27

yield_cav4bX_mean vs Slug



Right In: 6.532+/-0.000 χ^2/NDF : 127906780672.7/16

Left Out: -0.737+/-0.000 χ^2/NDF : 69227546.5/9

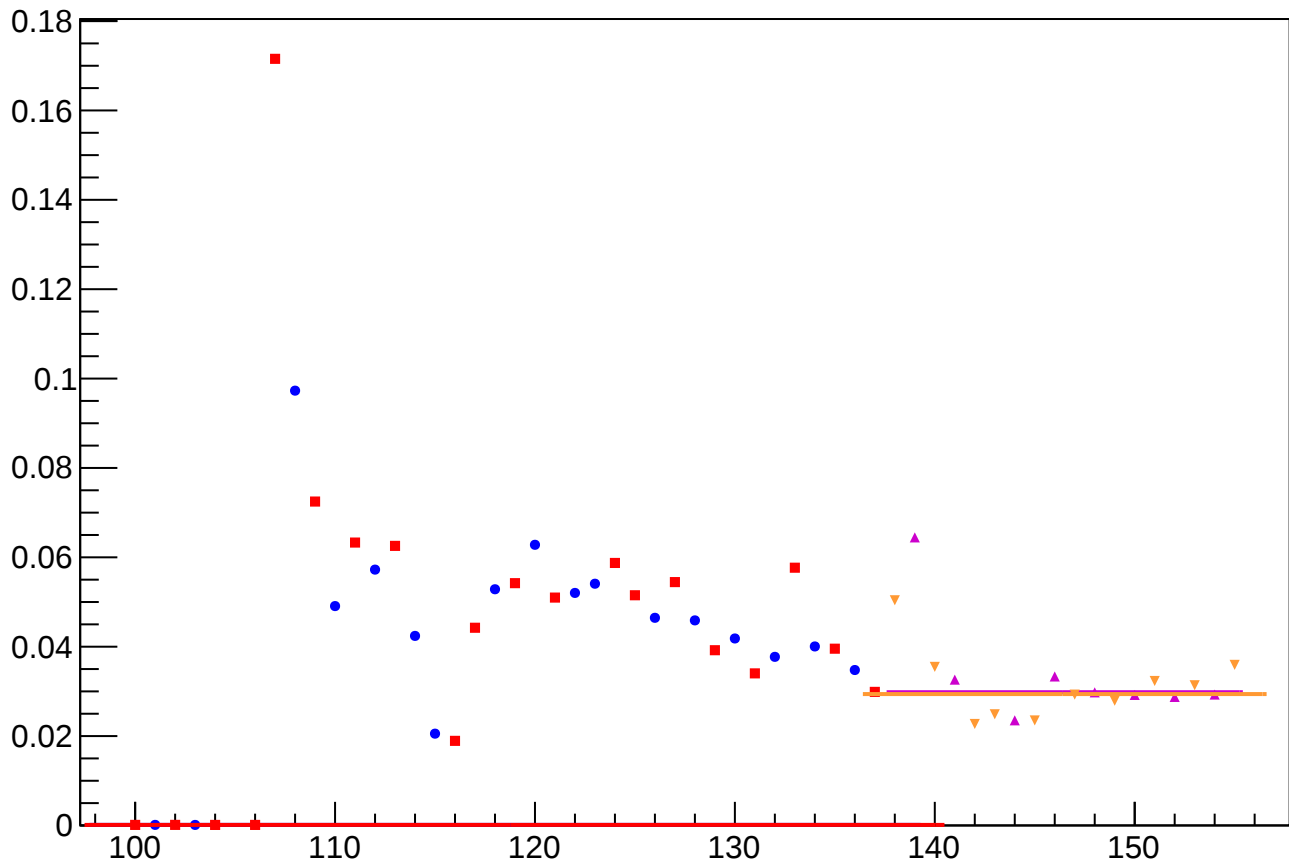
Right Out: 5.827+/-0.000 χ^2/NDF : 755949520765363.8/19

Left In: -0.713+/-0.000 χ^2/NDF : 53534147.7/7

6.531+/-0.000 χ^2/NDF : 471739235997.2/26

5.827+/-0.000 χ^2/NDF : 756191861770867.9/27

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

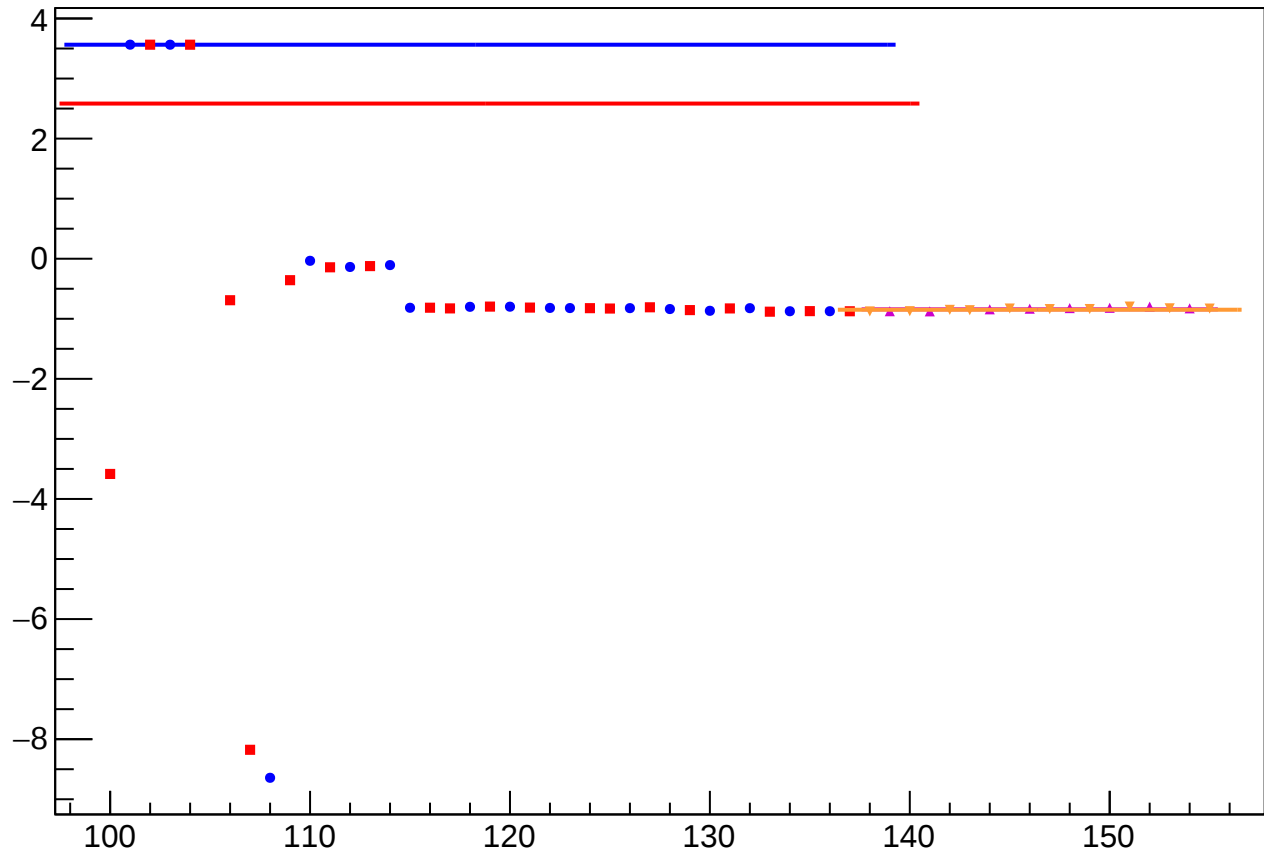
Right Out: 0.000+/-0.000 χ^2/NDF : 9453181.1/19

Left In: 0.030+/-0.000 χ^2/NDF : 494336.9/7

0.000+/-0.000 χ^2/NDF : 20639803.6/26

0.000+/-0.000 χ^2/NDF : 19935294.2/27

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

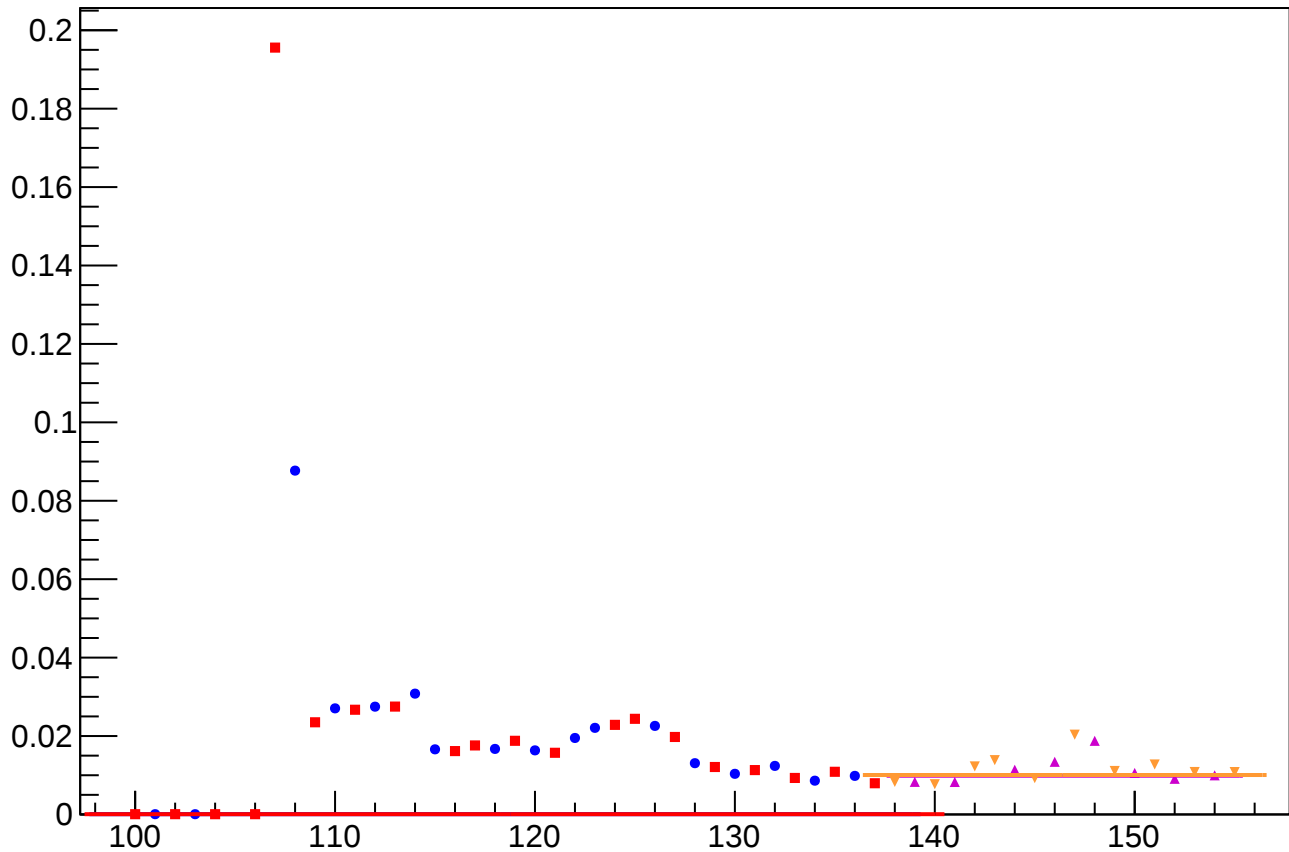
Right Out: 2.583+/-0.000 χ^2/NDF : 1253506756008351.0/19

Left In: -0.842+/-0.000 χ^2/NDF : 46522205.8/7

3.562+/-0.000 χ^2/NDF : 1546430701783.5/26

2.583+/-0.000 χ^2/NDF : 1254110527008677.0/26

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

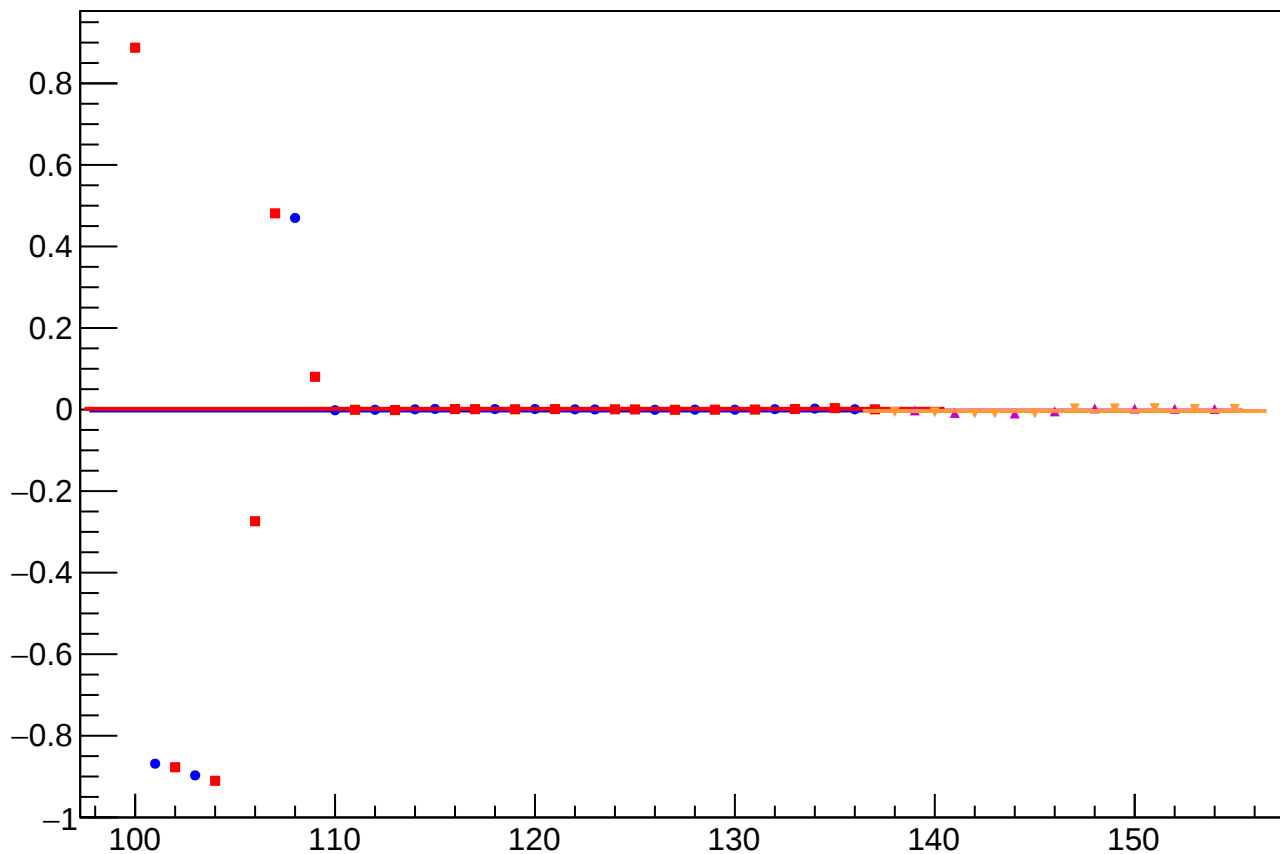
Right Out: 0.000+/-0.000 χ^2/NDF : 9955781.5/19

Left In: 0.010+/-0.000 χ^2/NDF : 532147.0/7

0.000+/-0.000 χ^2/NDF : 21432349.1/26

0.000+/-0.000 χ^2/NDF : 20383329.7/27

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

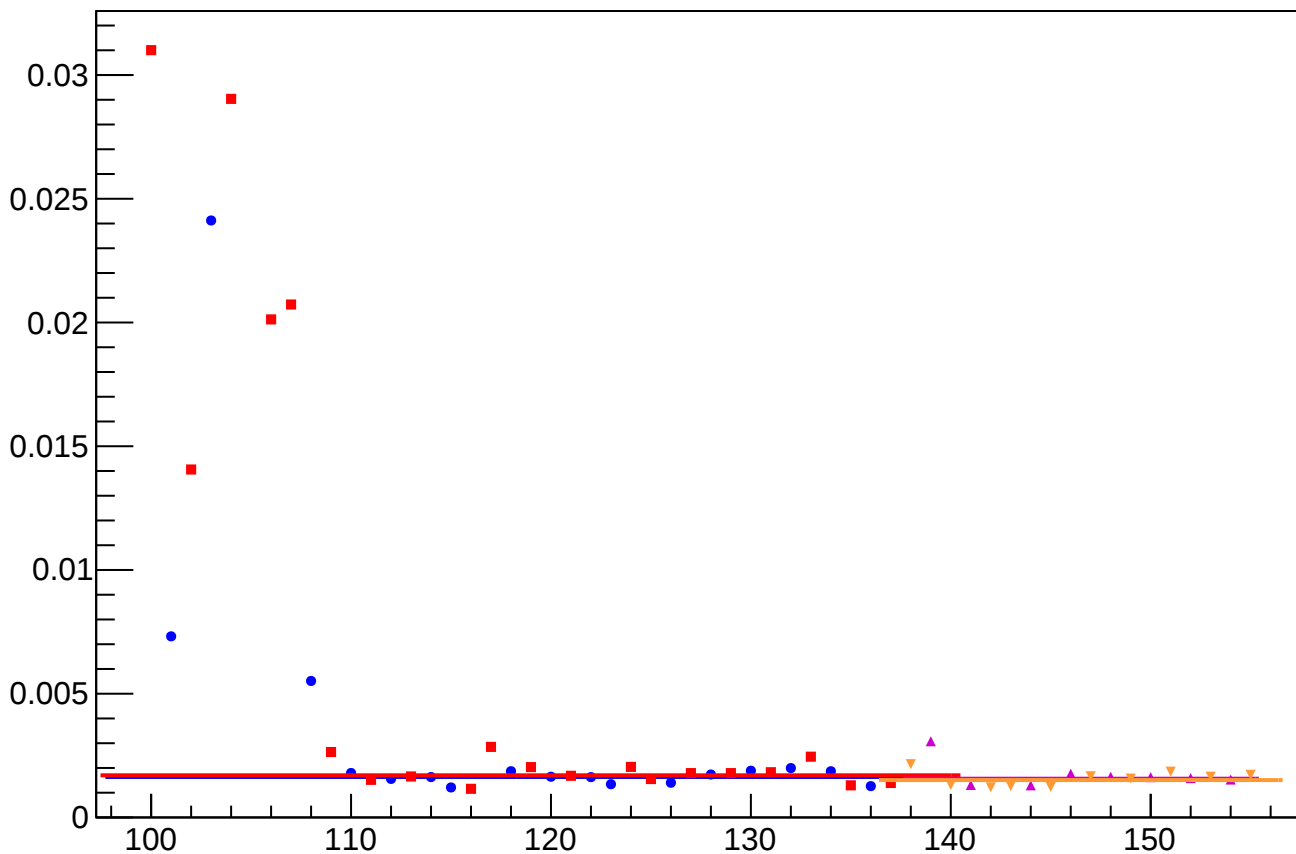
Right Out: 0.002+/-0.000 χ^2/NDF : 3041335141.0/19

Left In: -0.002+/-0.000 χ^2/NDF : 53215735.7/7

-0.003+/-0.000 χ^2/NDF : 9869024189.8/26

-0.001+/-0.000 χ^2/NDF : 3110462462.3/27

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1919127.9/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:341072.7/9

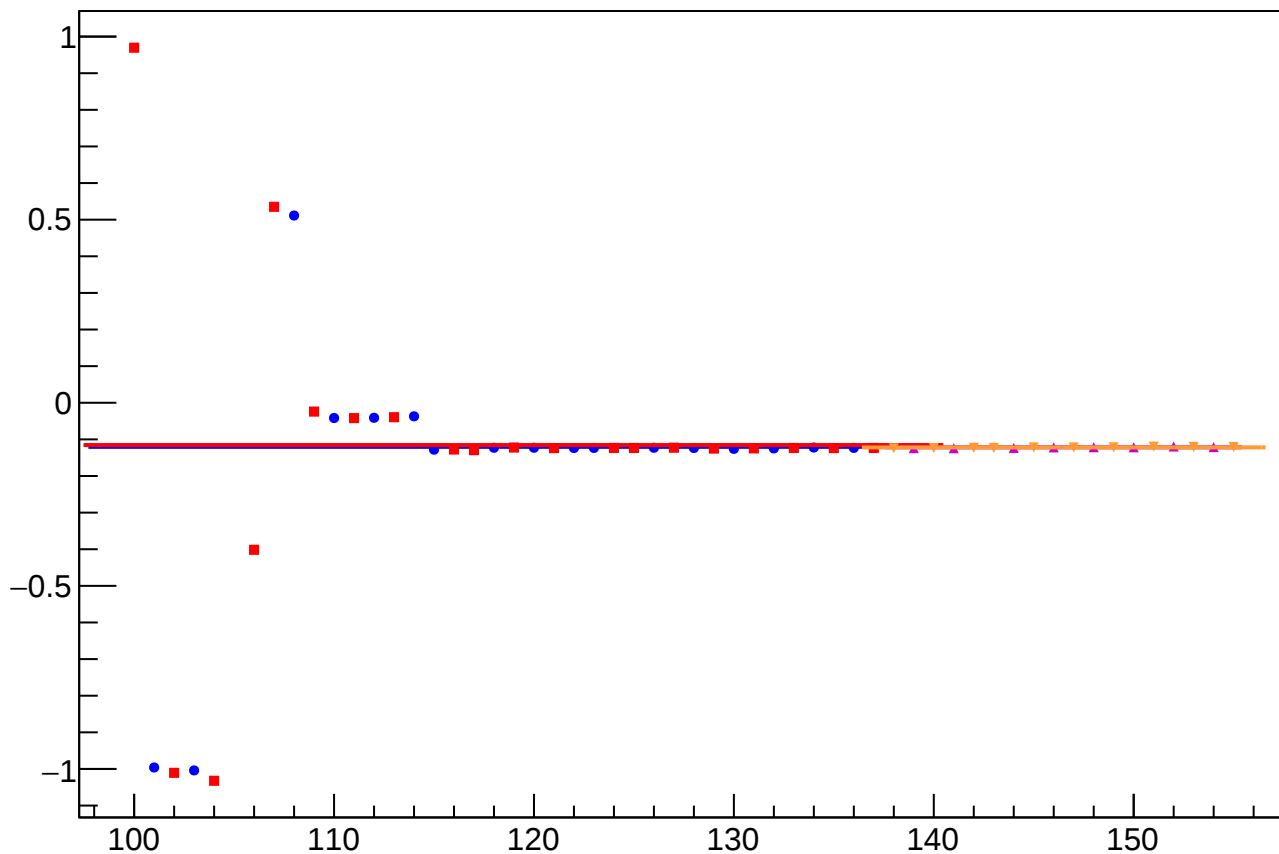
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3038397.4/19

Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:445231.1/7

0.002 $\pm$ 0.000 χ^2 /NDF: 2291732.1/26

0.002 $\pm$ 0.000 χ^2 /NDF: 3517233.8/27

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

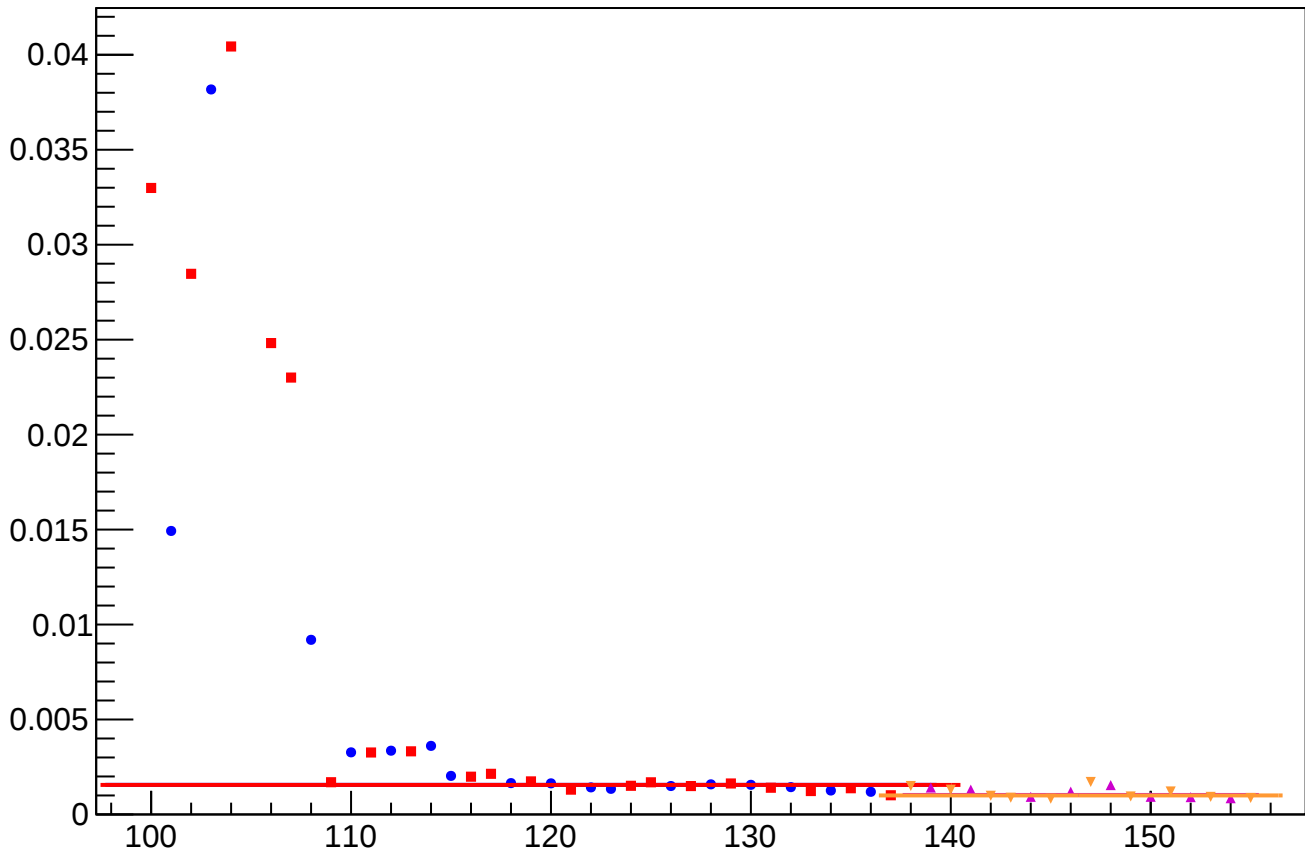
-0.122+/-0.000 χ^2/NDF : 3945211667.4/26

Right Out: -0.115+/-0.000 χ^2/NDF : 2458720596.9/19

-0.120+/-0.000 χ^2/NDF : 2525002666.5/27

Left In: -0.122+/-0.000 χ^2/NDF : 12142458.2/7

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

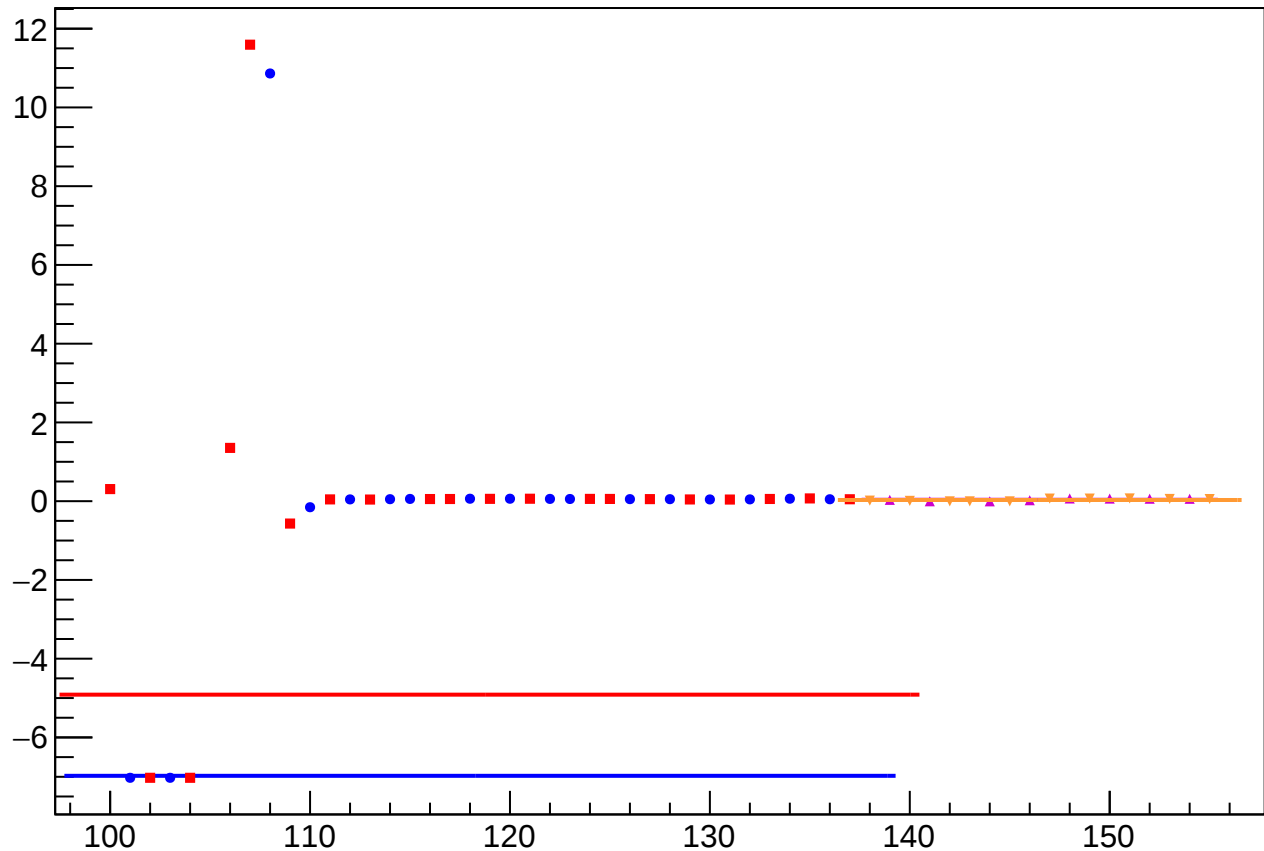
0.001+/-0.000 χ^2/NDF : 4469938.5/26

Right Out: 0.002+/-0.000 χ^2/NDF : 3544377.2/19

0.001+/-0.000 χ^2/NDF : 4827615.2/27

Left In: 0.001+/-0.000 χ^2/NDF : 488575.0/7

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

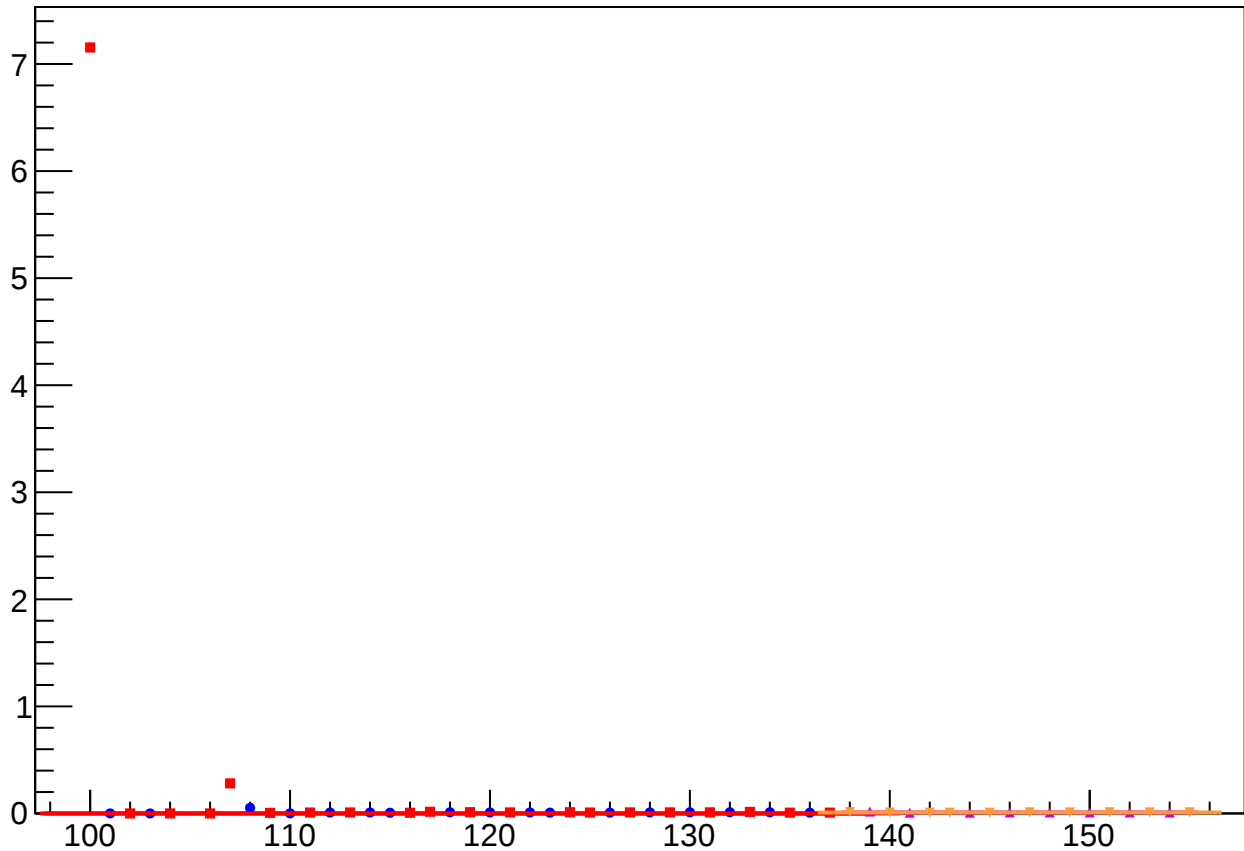
Right Out: -4.914+/-0.000 χ^2/NDF : 365366243956054.8/19

Left In: 0.036+/-0.000 χ^2/NDF : 57650151.0/7

-6.955+/-0.000 χ^2/NDF : 12249504864848.2/26

-4.903+/-0.000 χ^2/NDF : 366837357162114.4/2

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

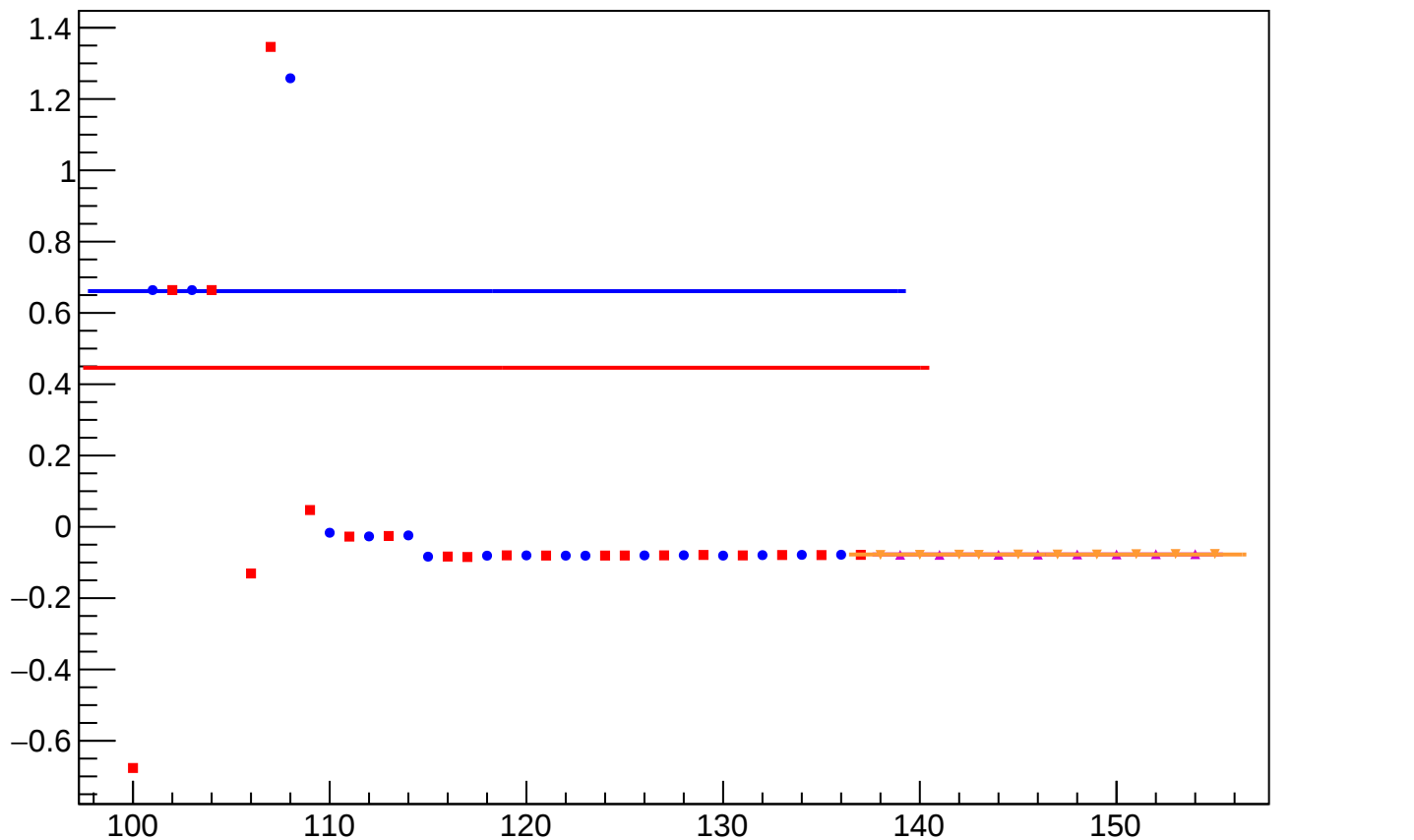
Right Out: 0.000+/-0.000 χ^2/NDF : 8880914.4/19

Left In: 0.009+/-0.000 χ^2/NDF :446393.3/7

0.000+/-0.000 χ^2/NDF : 19444011.0/26

0.000+/-0.000 χ^2/NDF : 19027137.8/27

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

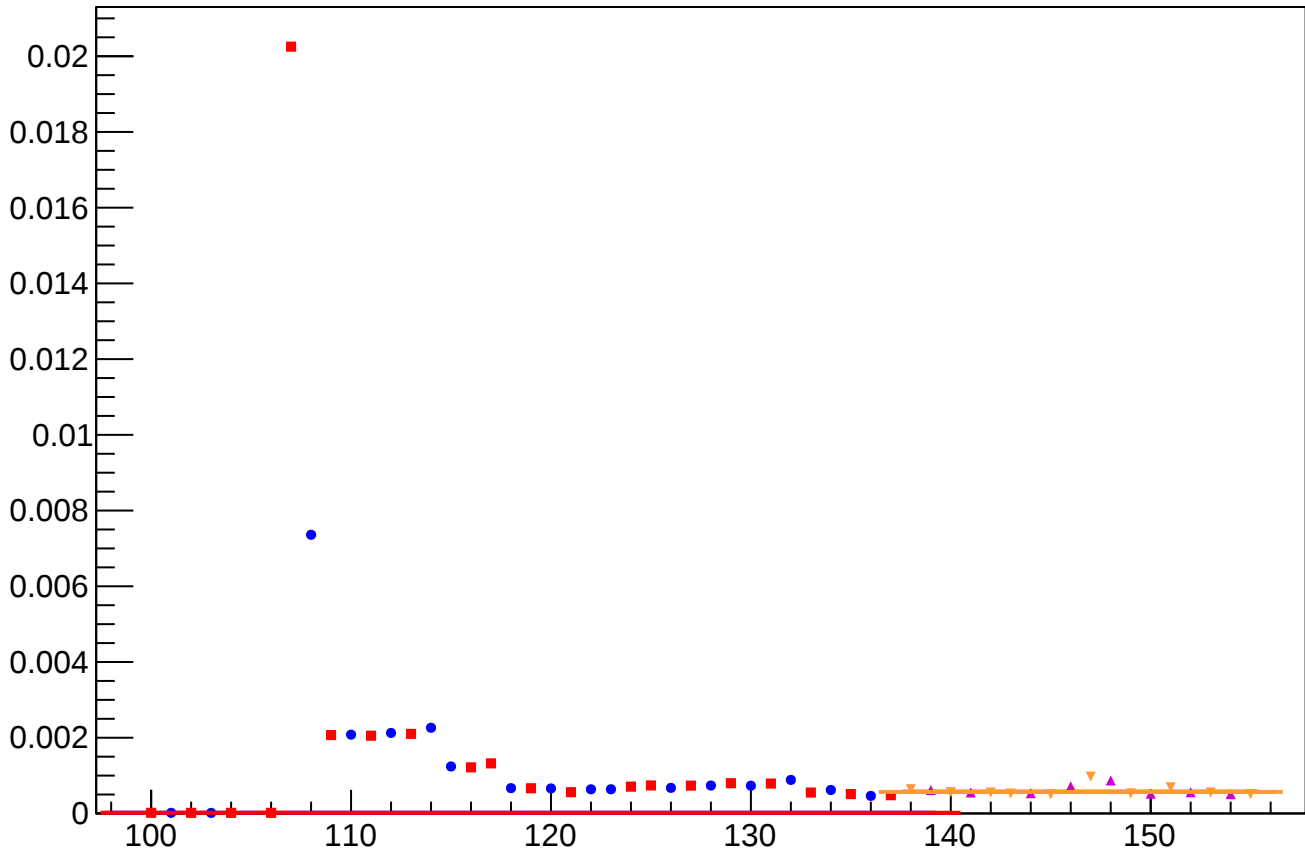
Right Out: 0.446+/-0.000 χ^2/NDF : 405434749783850.4/19

Left In: -0.078+/-0.000 χ^2/NDF : 11542820.6/7

0.655+/-0.000 χ^2/NDF : 17108515847940.2/26

0.443+/-0.000 χ^2/NDF : 410499310010191.2/27

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

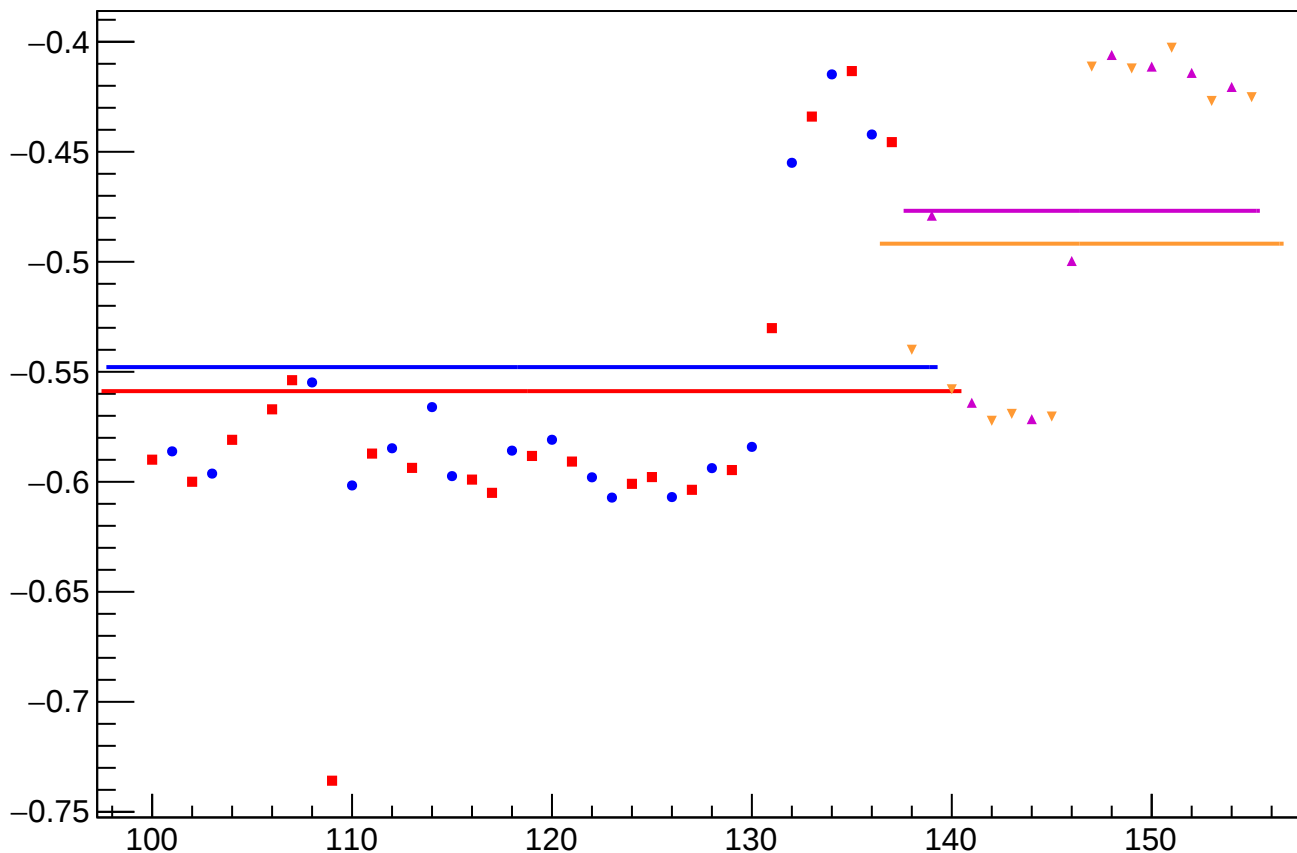
Right Out: 0.000+/-0.000 χ^2/NDF : 9575039.3/19

Left In: 0.001+/-0.000 χ^2/NDF : 300281.8/7

0.000+/-0.000 χ^2/NDF : 23068228.3/26

0.000+/-0.000 χ^2/NDF : 21321228.4/27

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

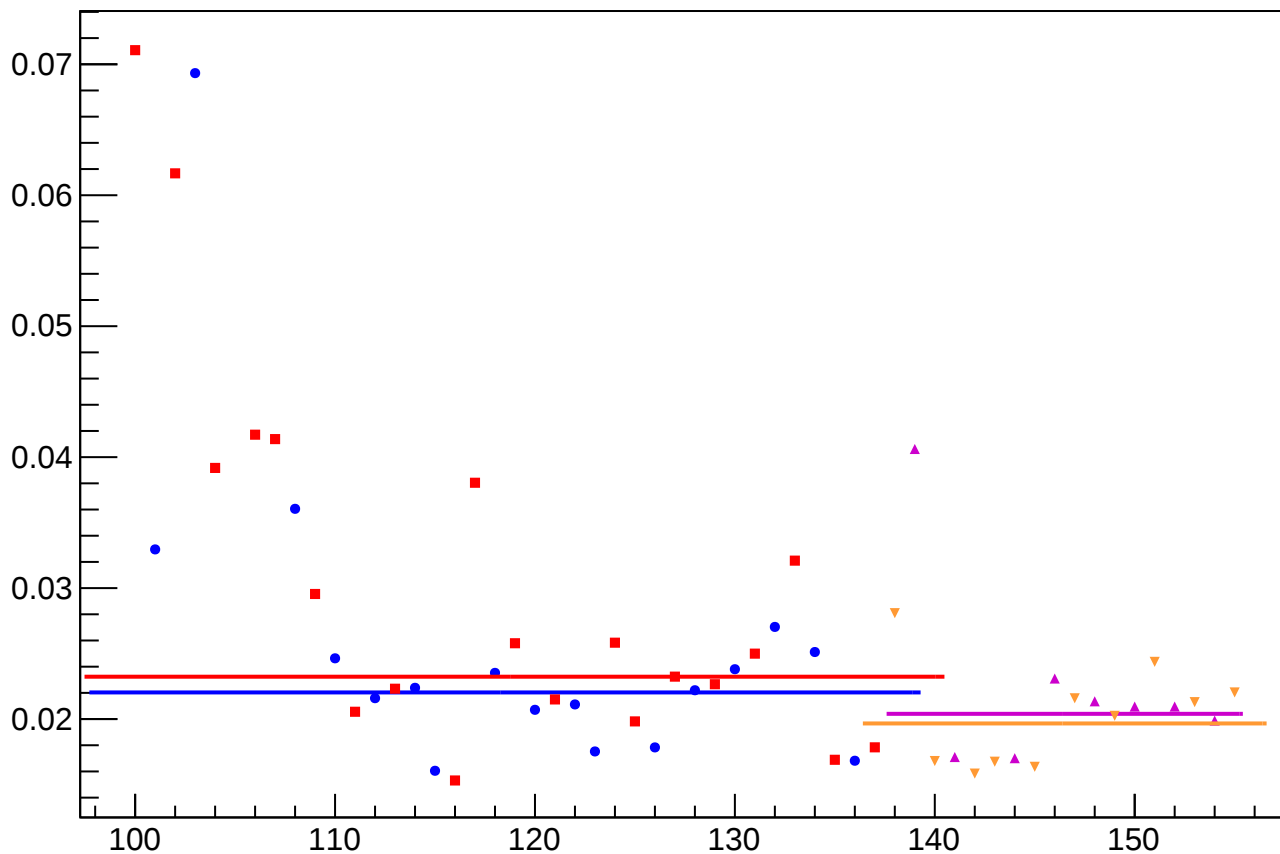
Right Out: -0.559+/-0.000 χ^2/NDF : 65741796.4/19

Left In: -0.477+/-0.000 χ^2/NDF : 60825949.6/7

-0.515+/-0.000 χ^2/NDF : 148125952.3/26

-0.514+/-0.000 χ^2/NDF : 163271094.5/27

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

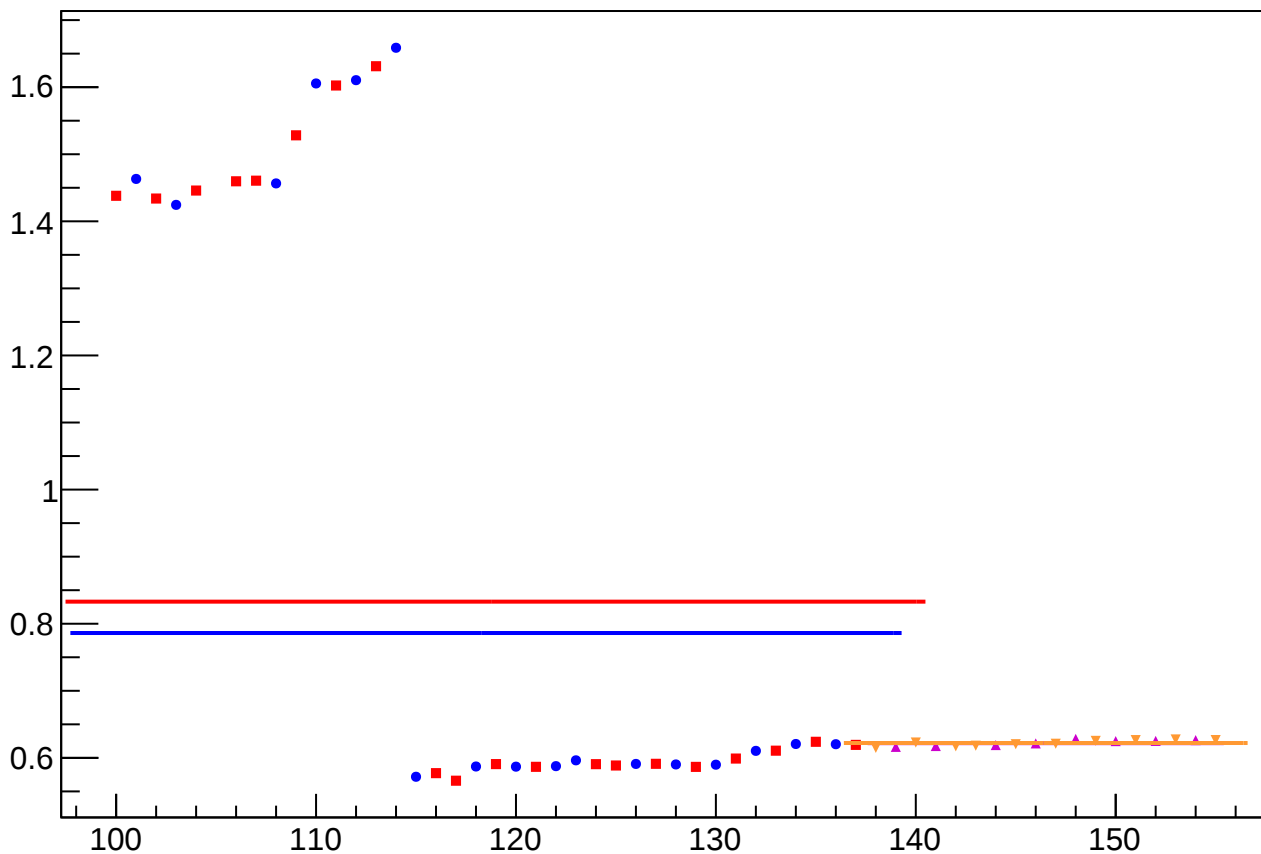
Right Out: 0.023+/-0.000 χ^2/NDF : 1169205.3/19

Left In: 0.020+/-0.000 χ^2/NDF :450803.7/7

0.021+/-0.000 χ^2/NDF : 1355414.7/26

0.022+/-0.000 χ^2/NDF : 1707840.0/27

yield_bpm4aY_mean vs Slug



Right In: 0.786 ± 0.000 χ^2/NDF : 3590113316.1/16

Left Out: 0.622 ± 0.000 χ^2/NDF : 778783.3/9

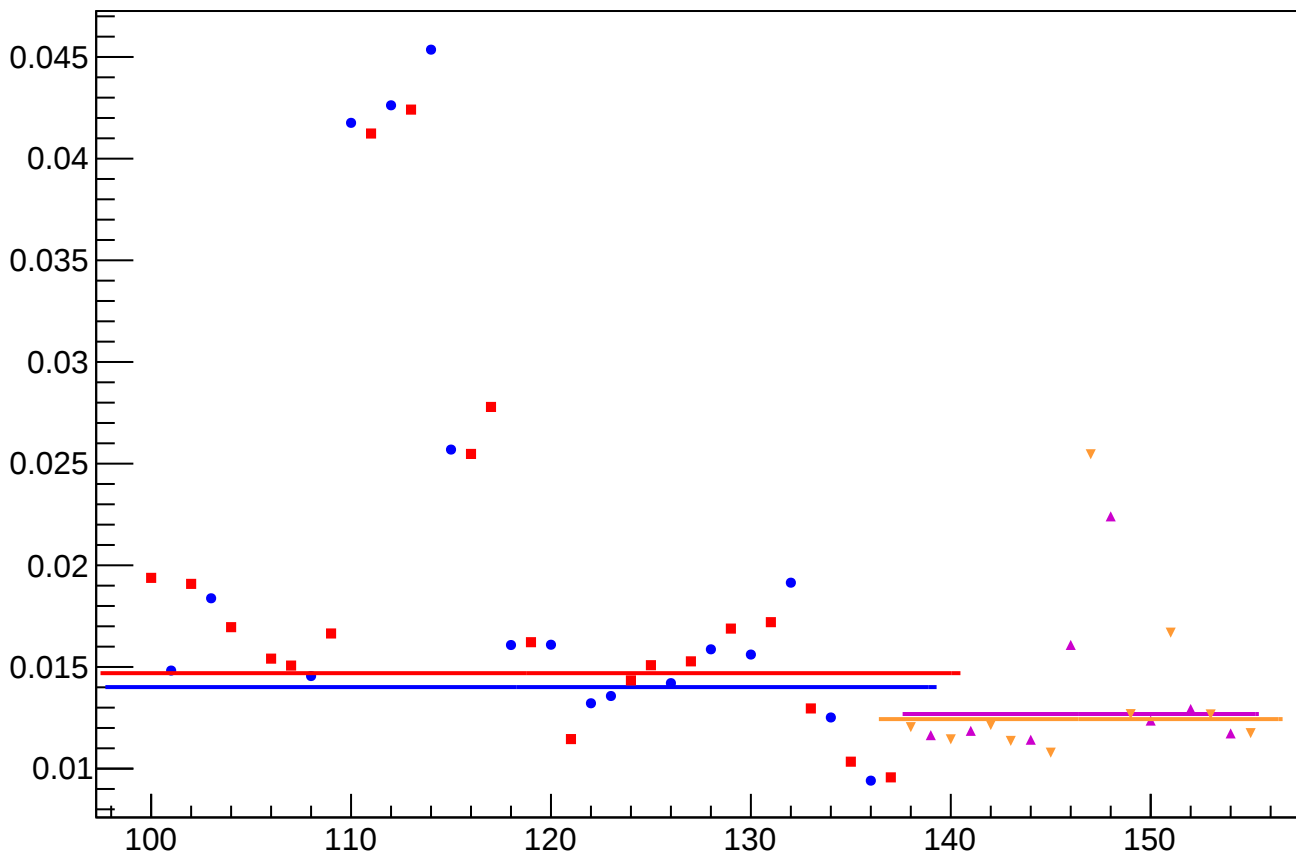
Right Out: 0.833 ± 0.000 χ^2/NDF : 4160348649.7/19

Left In: 0.622 ± 0.000 χ^2/NDF : 601393.3/7

0.687 ± 0.000 χ^2/NDF : 4060087712.6/26

0.712 ± 0.000 χ^2/NDF : 4877626510.3/27

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1404865.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:547599.9/9

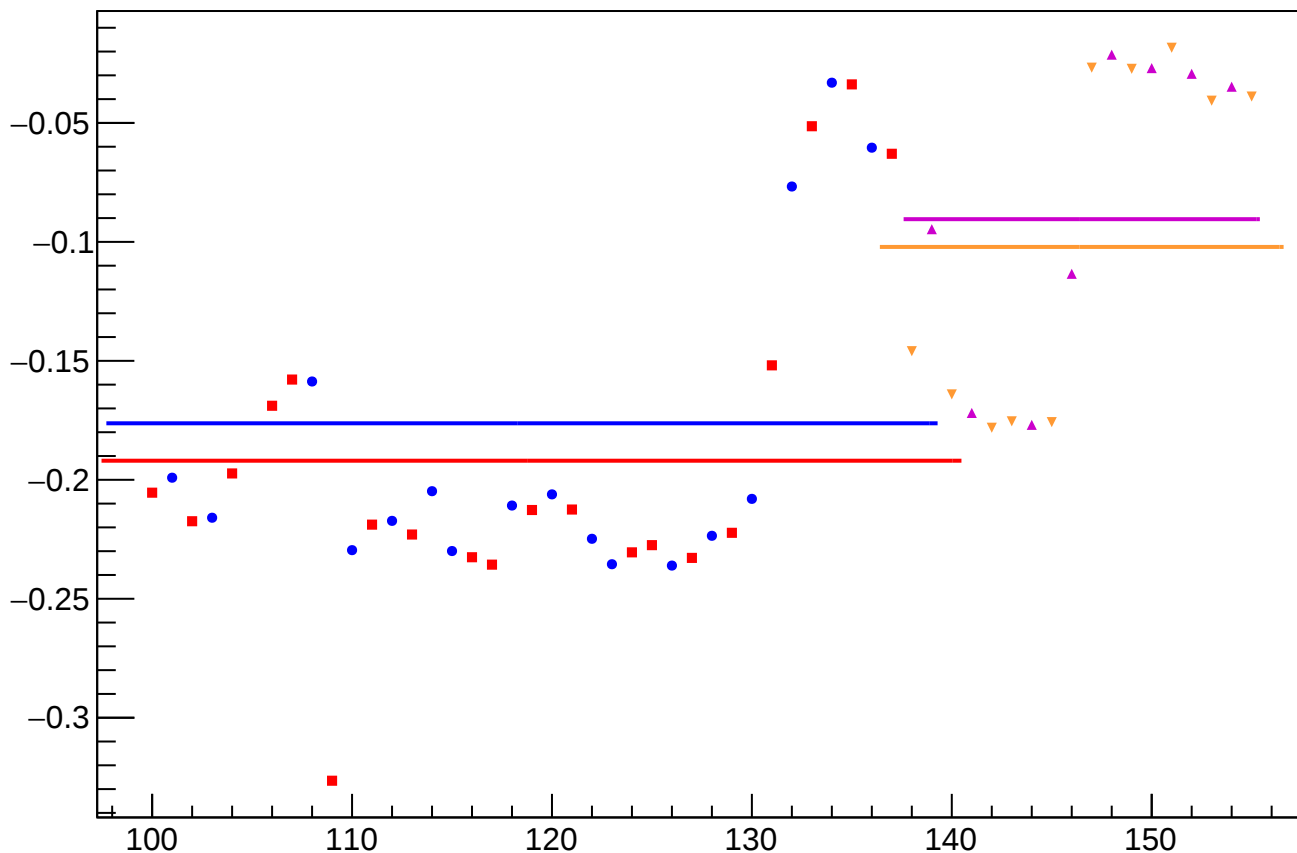
0.013 $\pm$ 0.000 χ^2 /NDF: 2038918.9/26

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1280473.4/19

0.014 $\pm$ 0.000 χ^2 /NDF: 1812800.7/27

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:402445.2/7

yield_bpm4eX_mean vs Slug



Right In: -0.176 $\pm$ 0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.102 $\pm$ 0.000 χ^2/NDF : 78036537.7/9

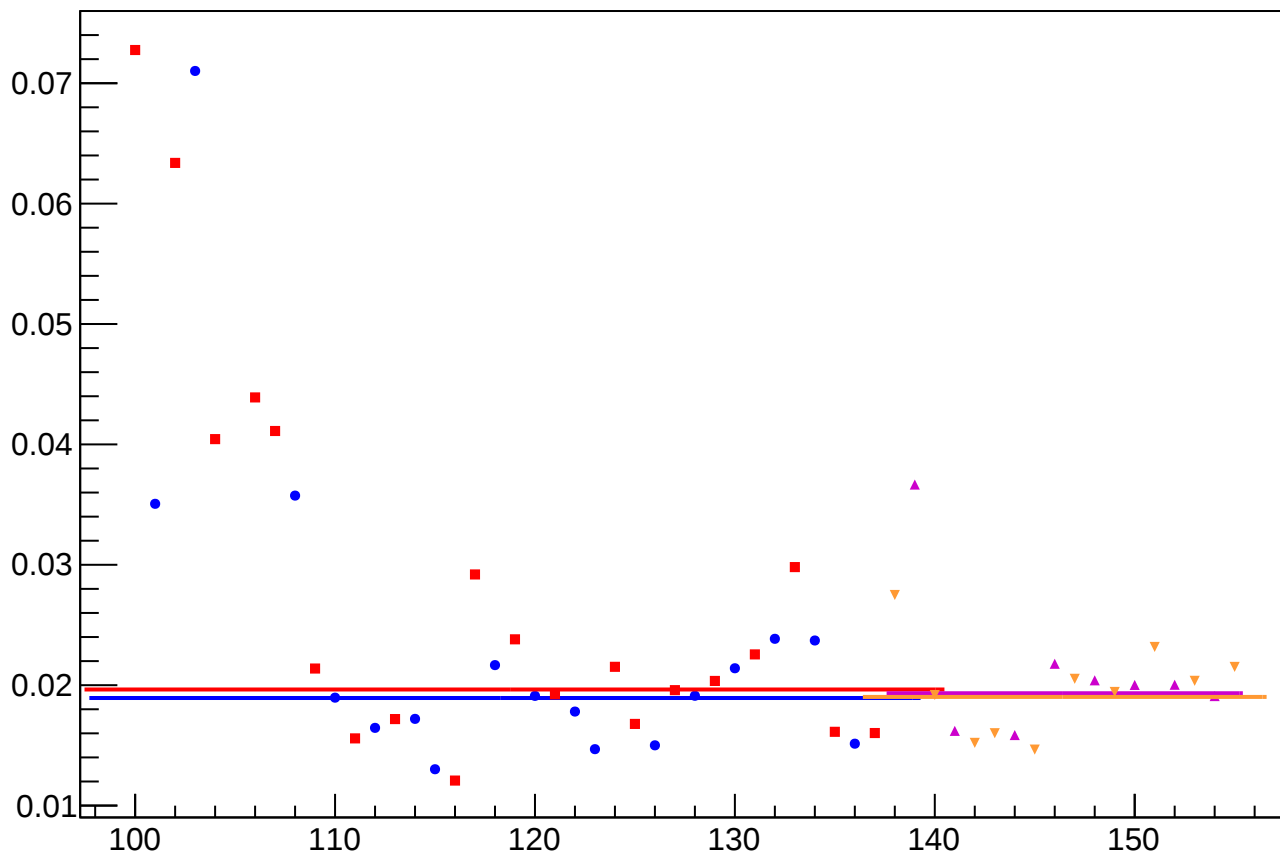
Right Out: -0.192 $\pm$ 0.000 χ^2/NDF : 83899255.4/19

Left In: -0.090 $\pm$ 0.000 χ^2/NDF : 61443941.0/7

-0.137 $\pm$ 0.000 χ^2/NDF : 188750572.2/26

-0.141 $\pm$ 0.000 χ^2/NDF : 215338102.7/27

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

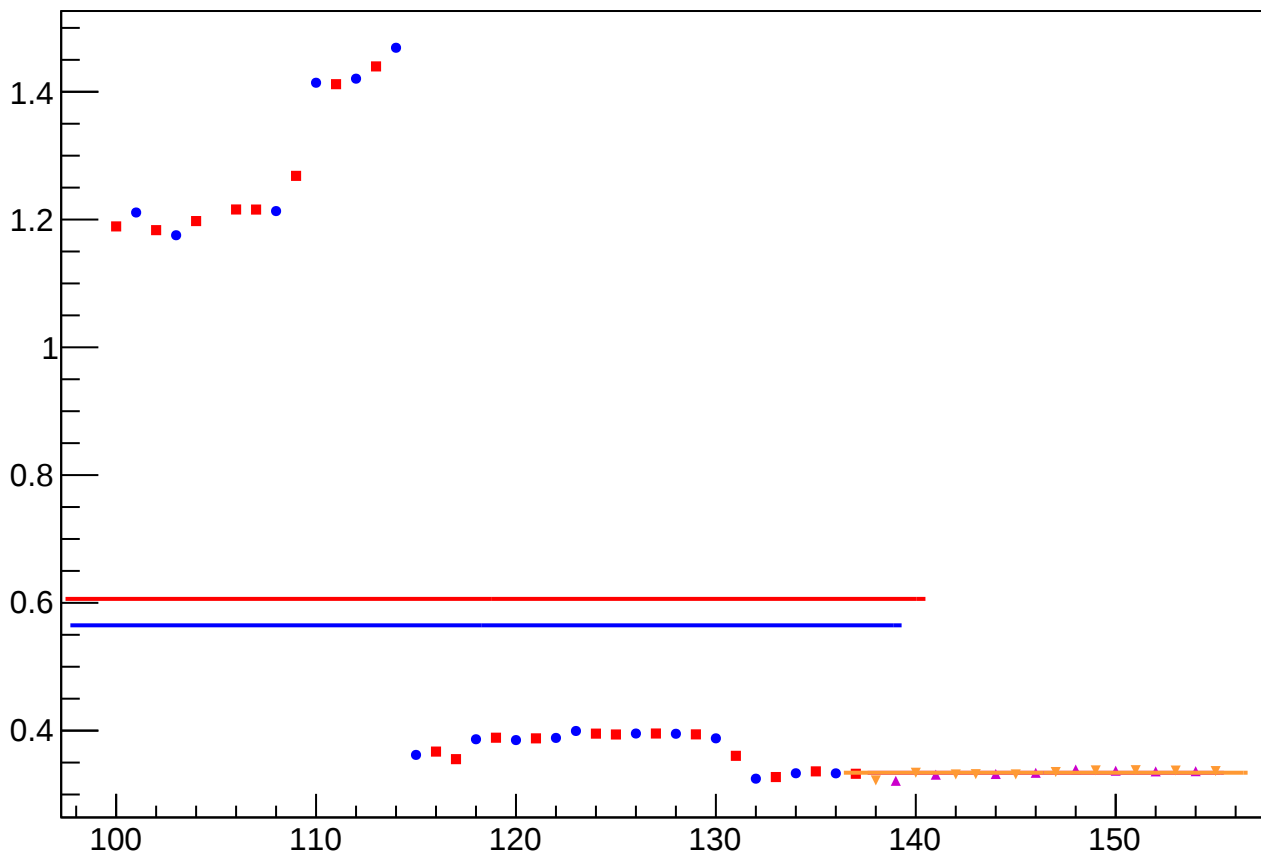
Right Out: 0.020+/-0.000 χ^2/NDF : 1466285.9/19

Left In: 0.019+/-0.000 χ^2/NDF : 429846.1/7

0.019+/-0.000 χ^2/NDF : 1564446.4/26

0.019+/-0.000 χ^2/NDF : 1897451.9/27

yield_bpm4eY_mean vs Slug



Right In: 0.565+/-0.000 χ^2/NDF : 5030969499.3/16

Left Out: 0.334+/-0.000 χ^2/NDF :961073.7/9

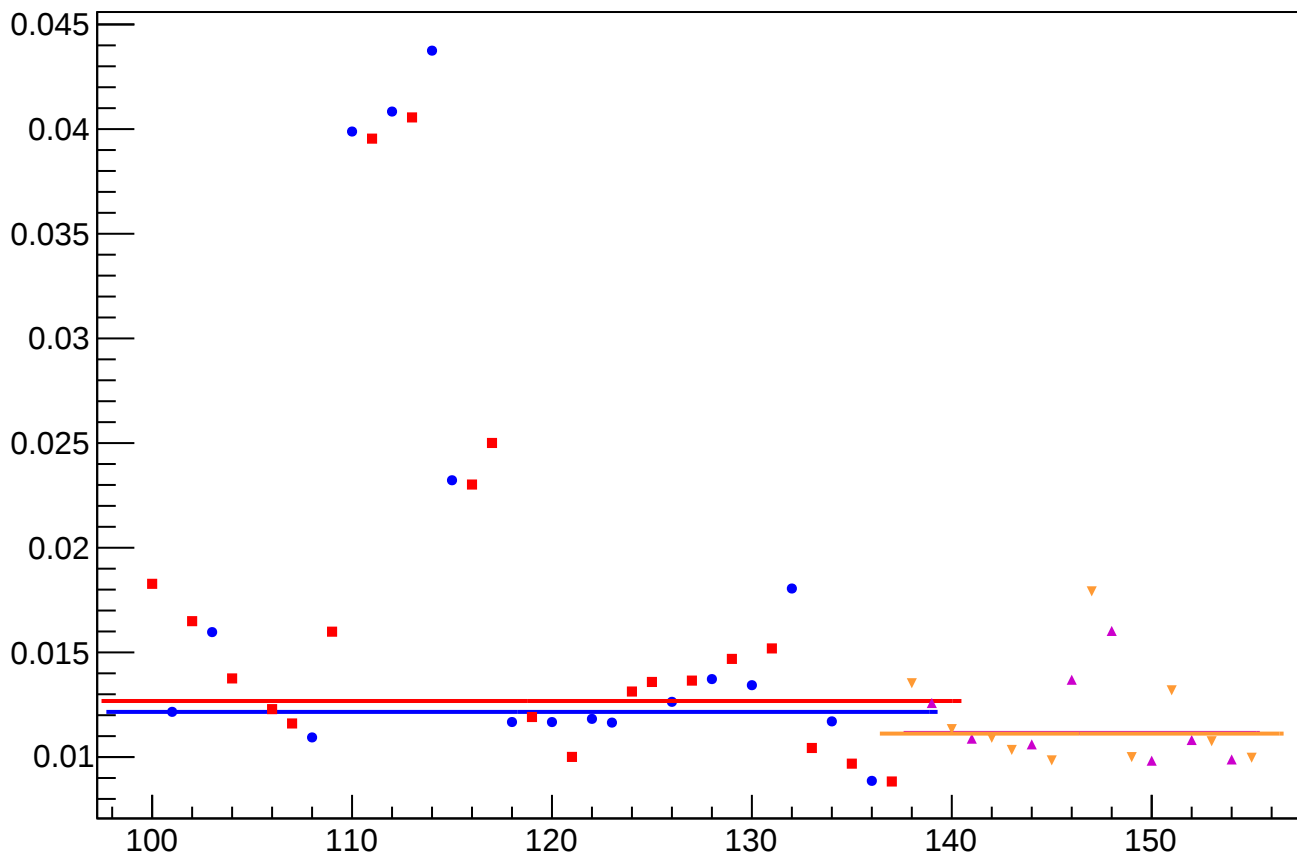
Right Out: 0.606+/-0.000 χ^2/NDF : 5517630064.2/19

Left In: 0.334+/-0.000 χ^2/NDF :1000238.1/7

0.428+/-0.000 χ^2/NDF : 6237643937.7/26

0.450+/-0.000 χ^2/NDF : 7084301945.3/27

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1309888.8/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 371089.3/9

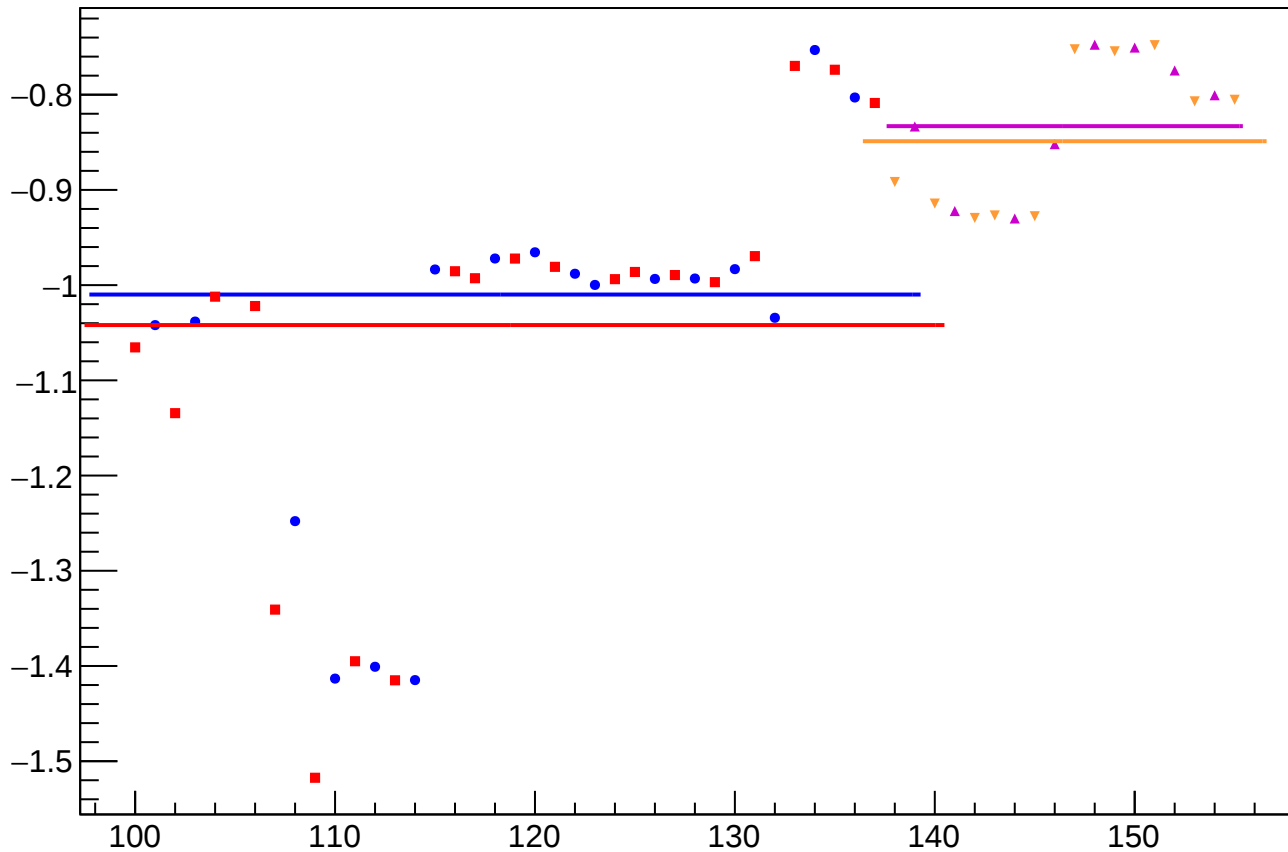
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1289415.7/19

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 276145.8/7

0.012 $\pm$ 0.000 χ^2 /NDF: 1729655.7/26

0.012 $\pm$ 0.000 χ^2 /NDF: 1663815.3/27

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

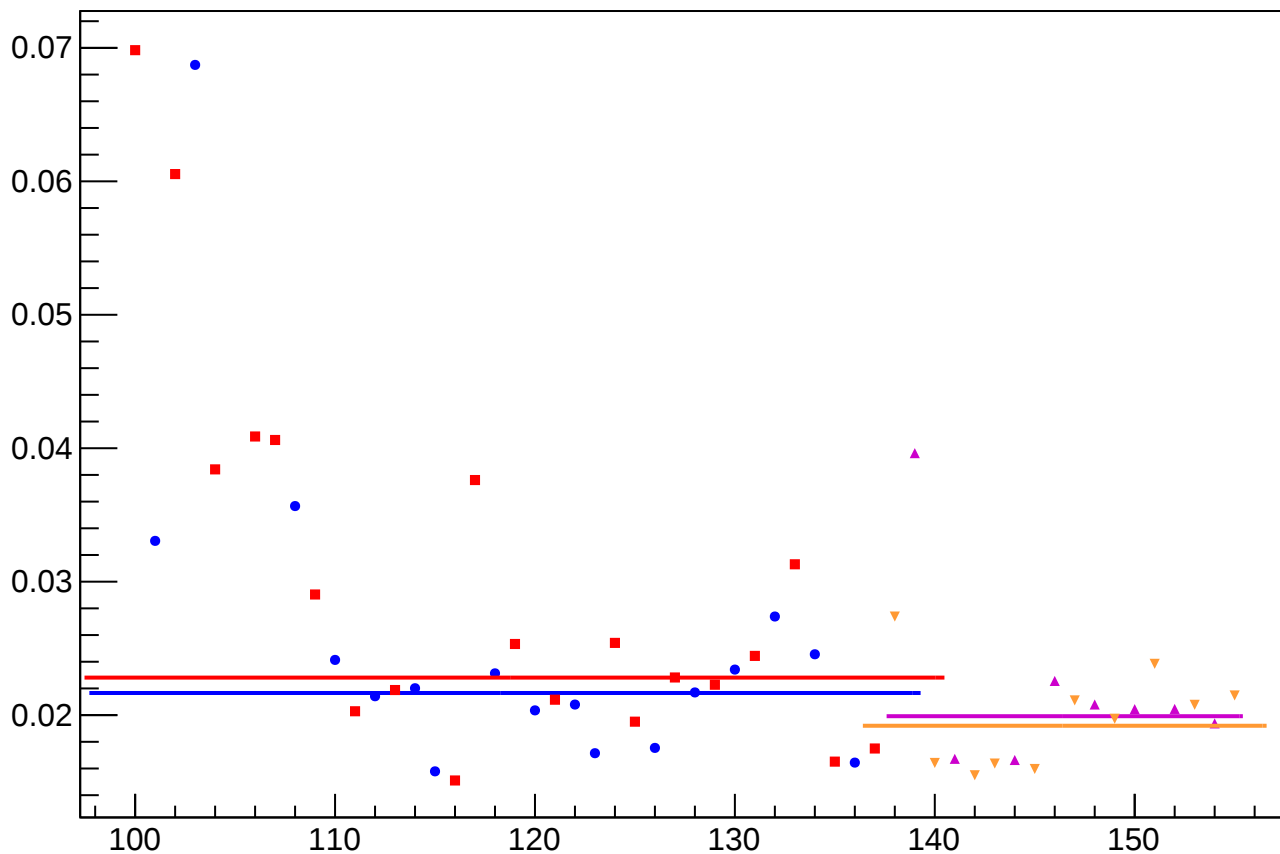
-0.916+/-0.000 χ^2/NDF : 639681267.6/26

Right Out: -1.042+/-0.000 χ^2/NDF : 530175104.2/19

-0.926+/-0.000 χ^2/NDF : 846941449.3/27

Left In: -0.833+/-0.000 χ^2/NDF : 68416164.5/7

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 $\chi^2/\text{NDF}: 983499.8/16$

Left Out: 0.019 ± 0.000 $\chi^2/\text{NDF}: 326732.3/9$

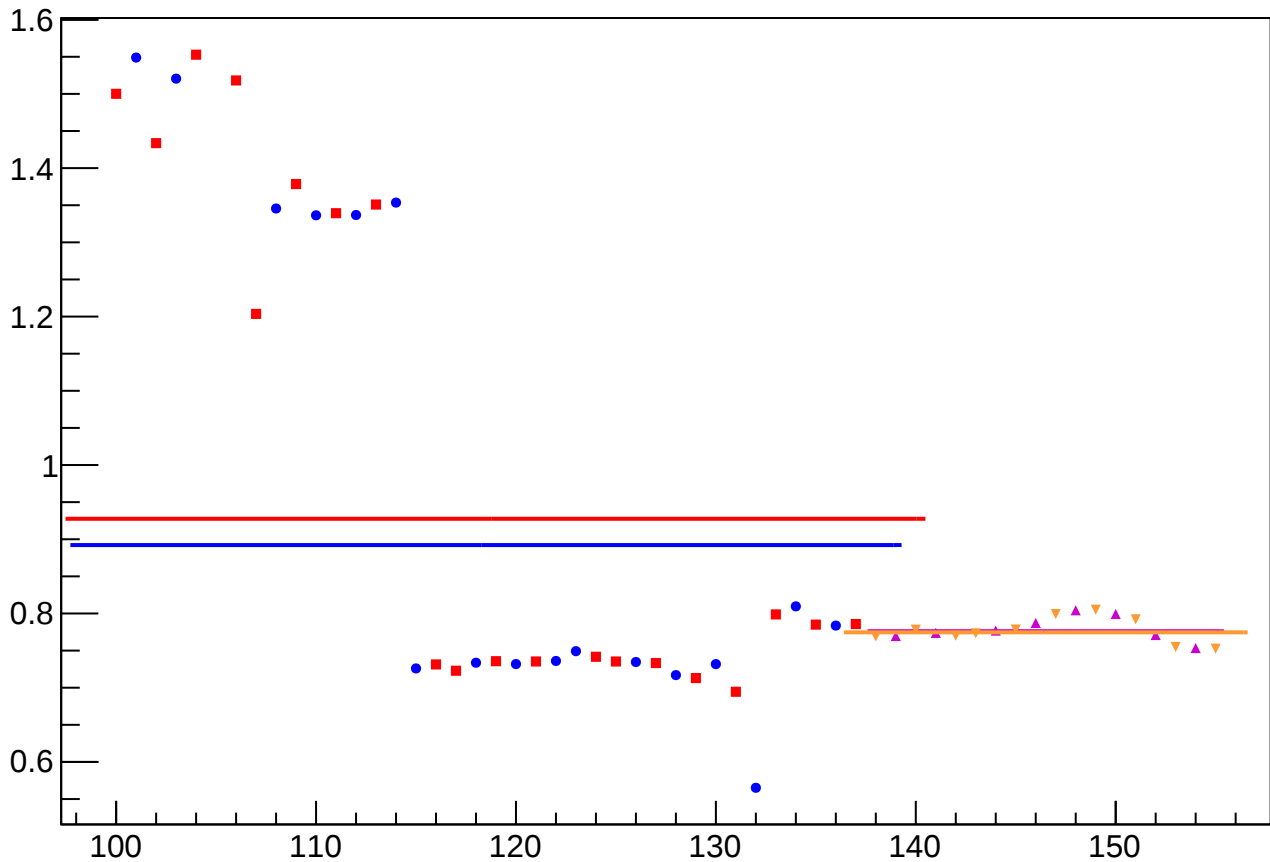
Right Out: 0.023 ± 0.000 $\chi^2/\text{NDF}: 1165116.5/19$

Left In: 0.020 ± 0.000 $\chi^2/\text{NDF}: 448456.5/7$

0.020 ± 0.000 $\chi^2/\text{NDF}: 1386489.7/26$

0.021 ± 0.000 $\chi^2/\text{NDF}: 1708786.5/27$

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

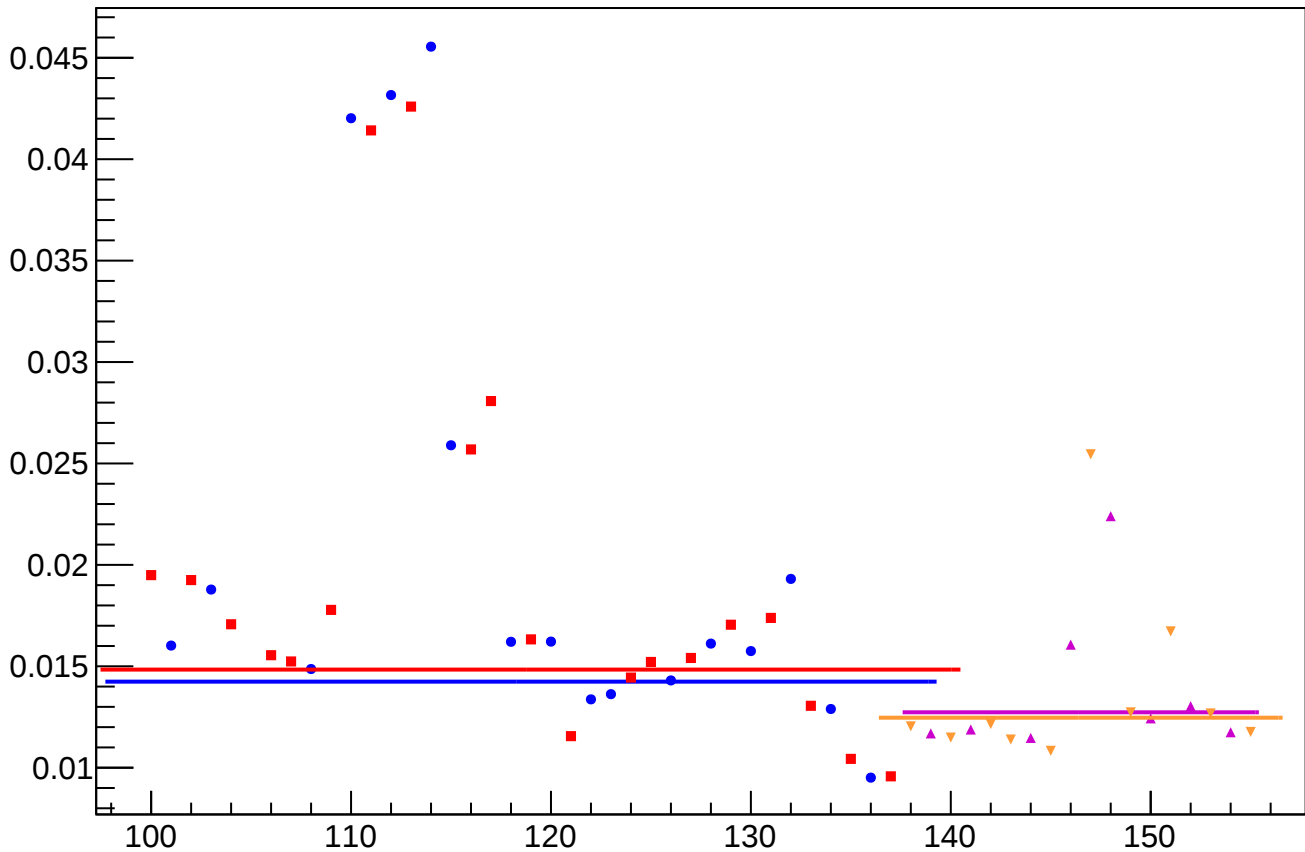
0.820 ± 0.000 χ^2/NDF : 2659898995.2/26

Right Out: 0.928 ± 0.000 χ^2/NDF : 2439574936.7/19

0.840 ± 0.000 χ^2/NDF : 2810912779.9/27

Left In: 0.776 ± 0.000 χ^2/NDF : 8025711.3/7

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

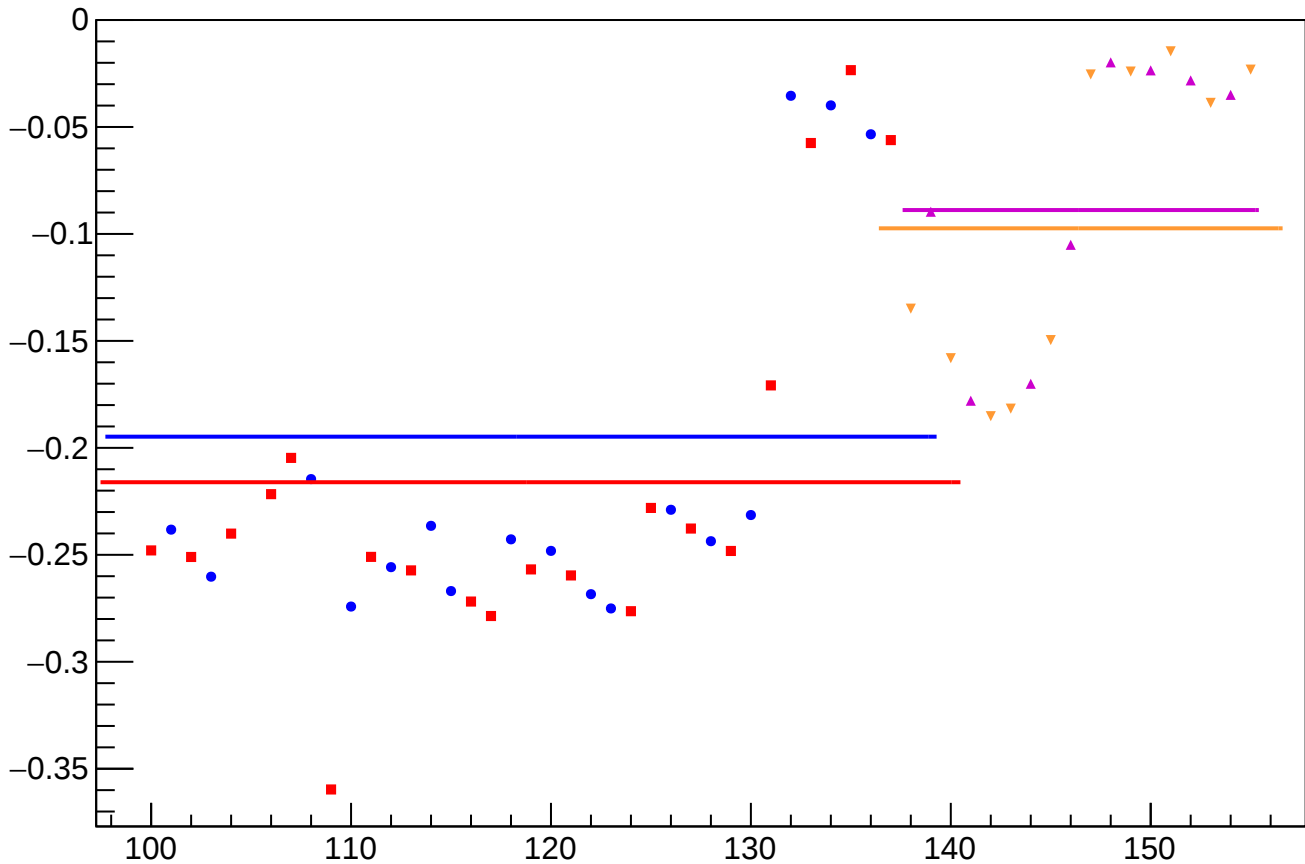
Right Out: 0.015 ± 0.000 χ^2/NDF : 1291174.0/19

Left In: 0.013 ± 0.000 χ^2/NDF : 398287.6/7

0.013 ± 0.000 χ^2/NDF : 2067237.4/26

0.014 ± 0.000 χ^2/NDF : 1829885.7/27

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

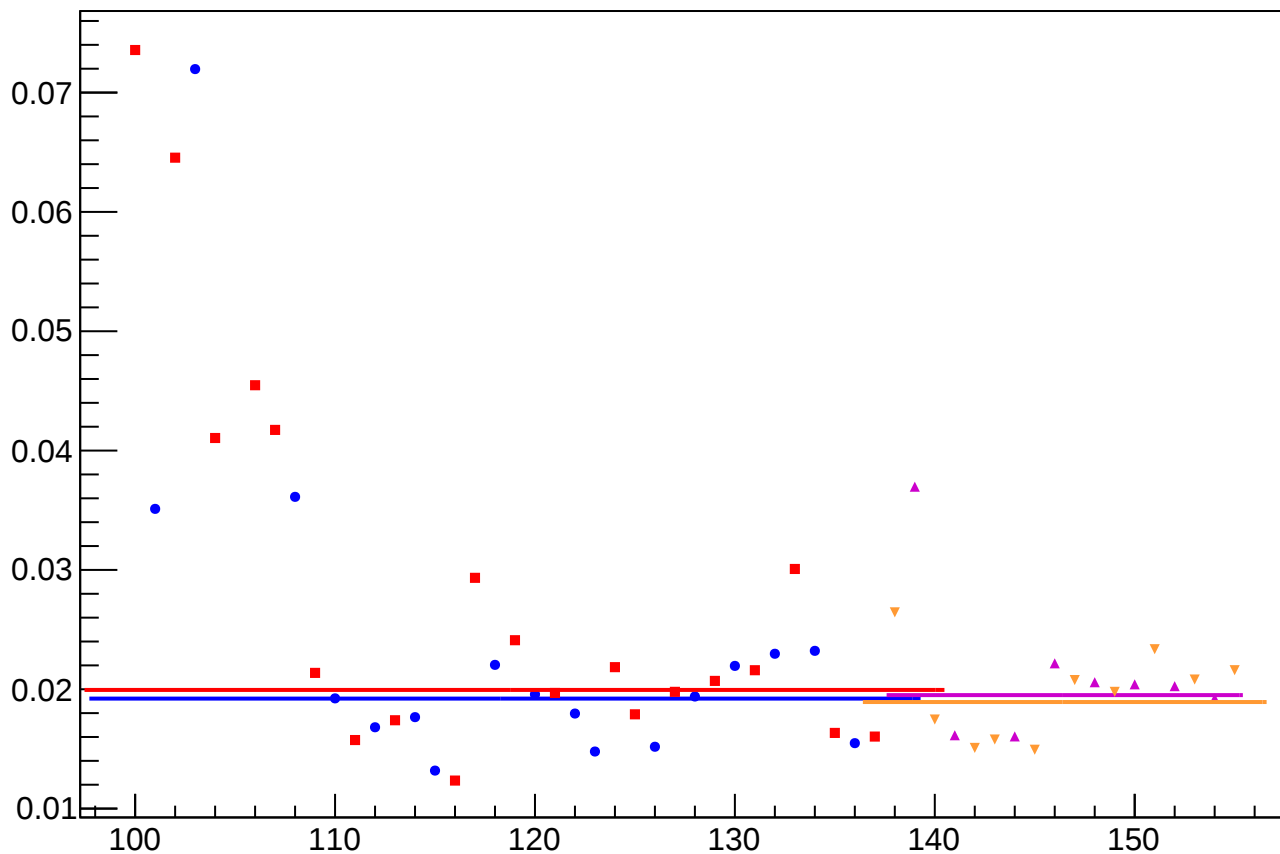
Right Out: -0.216+/-0.000 χ^2/NDF : 112167032.2/19

Left In: -0.089+/-0.000 χ^2/NDF : 60842912.5/7

-0.143+/-0.000 χ^2/NDF : 254327175.2/26

-0.152+/-0.000 χ^2/NDF : 280211817.7/27

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

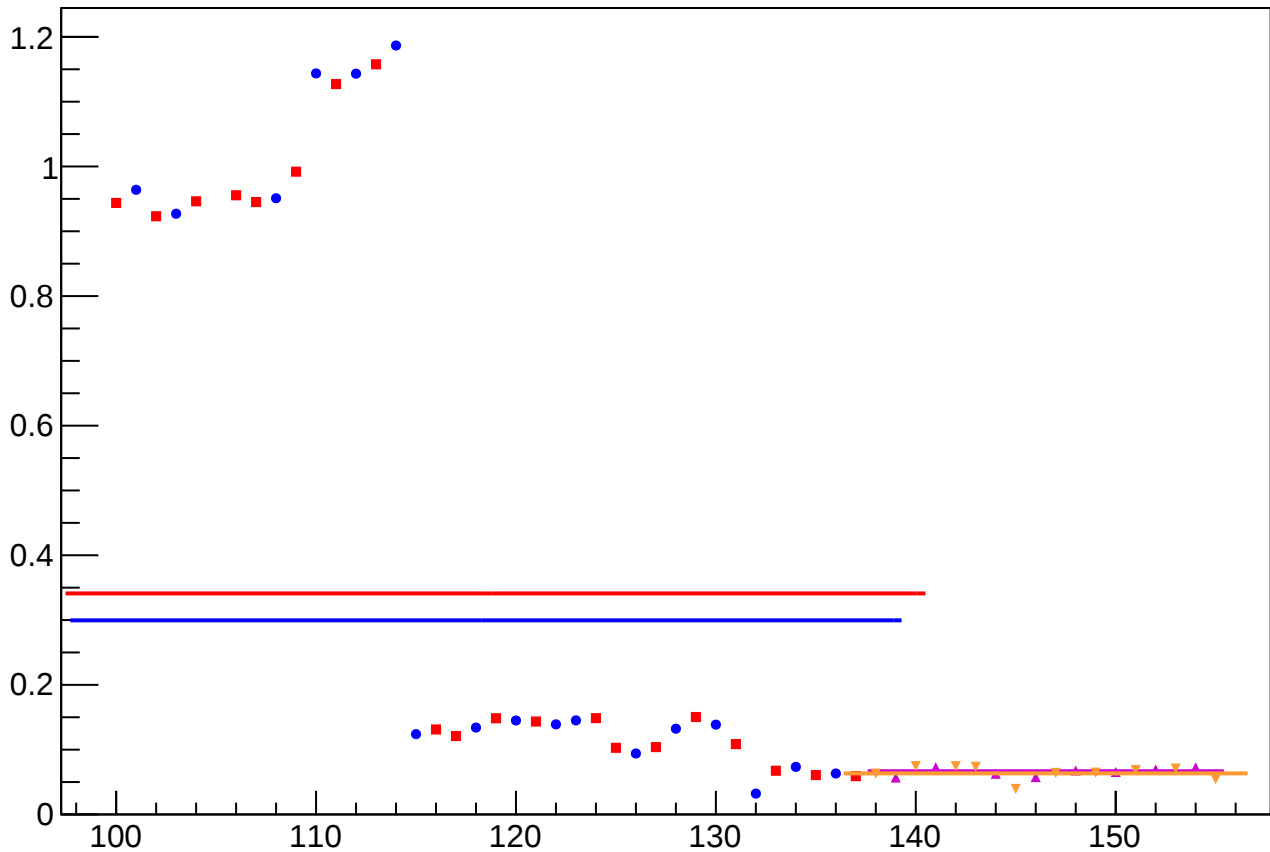
Right Out: 0.020+/-0.000 χ^2/NDF : 1455211.7/19

Left In: 0.020+/-0.000 χ^2/NDF : 438084.5/7

0.019+/-0.000 χ^2/NDF : 1529094.7/26

0.020+/-0.000 χ^2/NDF : 1895791.1/27

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

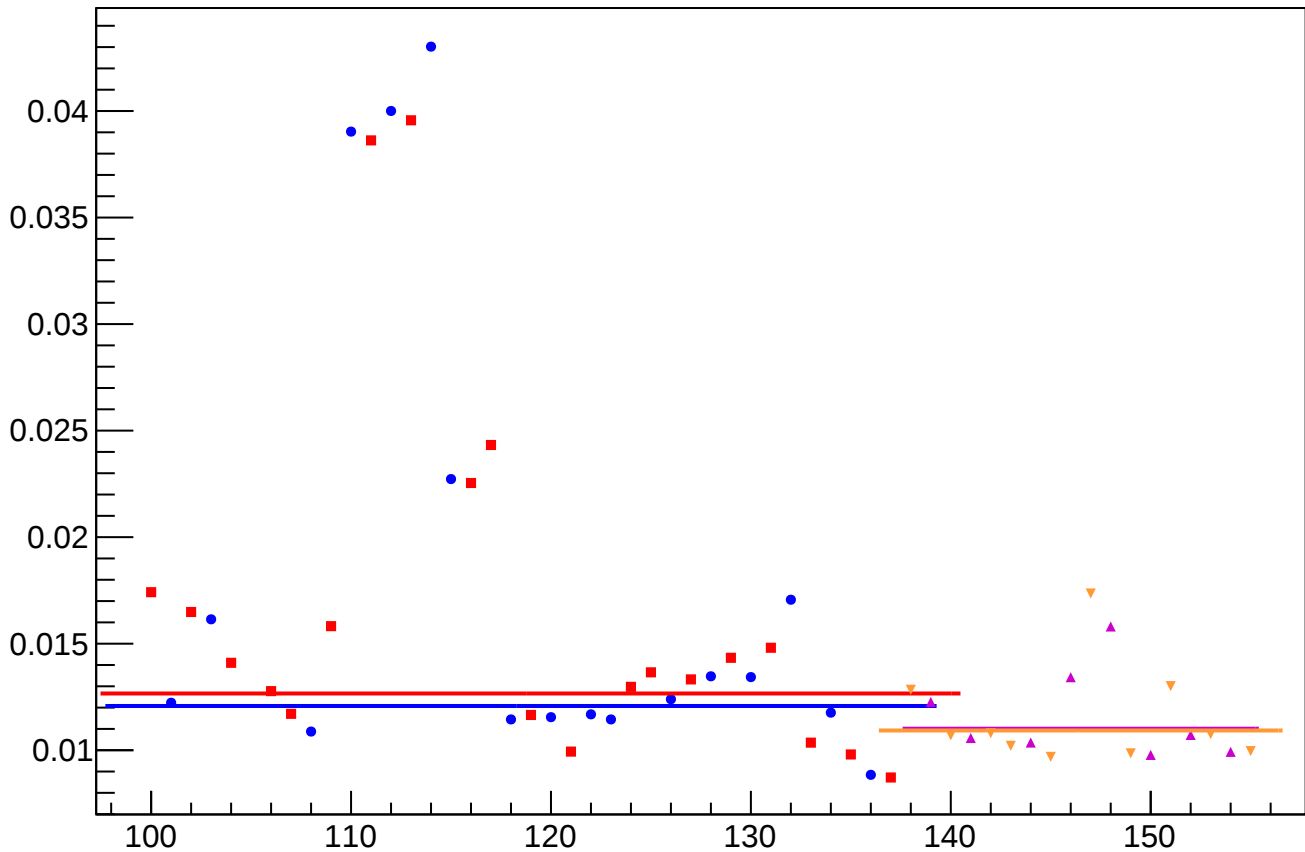
0.159 ± 0.000 χ^2/NDF : 6466160660.2/26

Right Out: 0.341 ± 0.000 χ^2/NDF : 5453748737.7/19

0.182 ± 0.000 χ^2/NDF : 7066274388.2/27

Left In: 0.067 ± 0.000 χ^2/NDF : 1507830.6/7

yield_bpm4ecY_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1282097.7/16

Left Out: 0.011 ± 0.000 χ^2/NDF : 338910.1/9

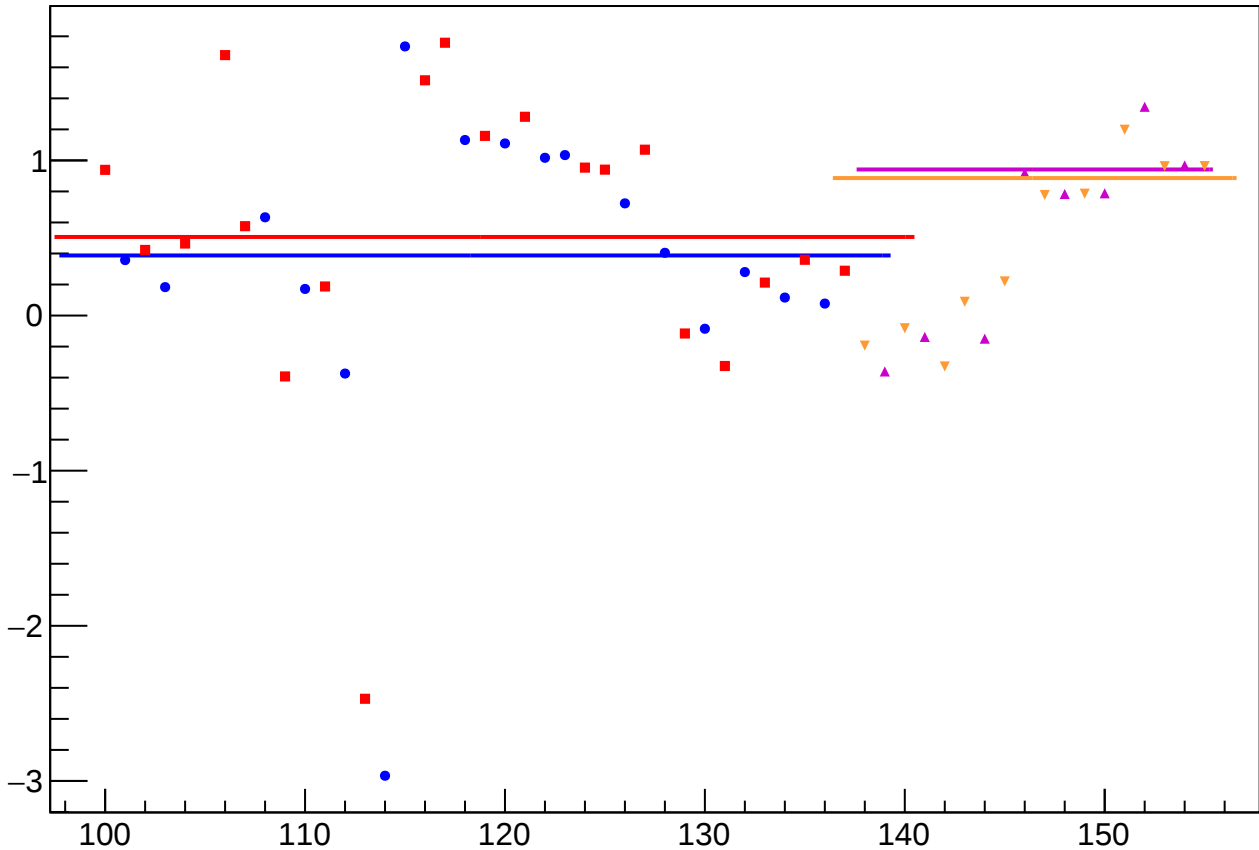
Right Out: 0.013 ± 0.000 χ^2/NDF : 1255391.1/19

Left In: 0.011 ± 0.000 χ^2/NDF : 261726.1/7

0.011 ± 0.000 χ^2/NDF : 1682240.5/26

0.012 ± 0.000 χ^2/NDF : 1633844.7/27

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

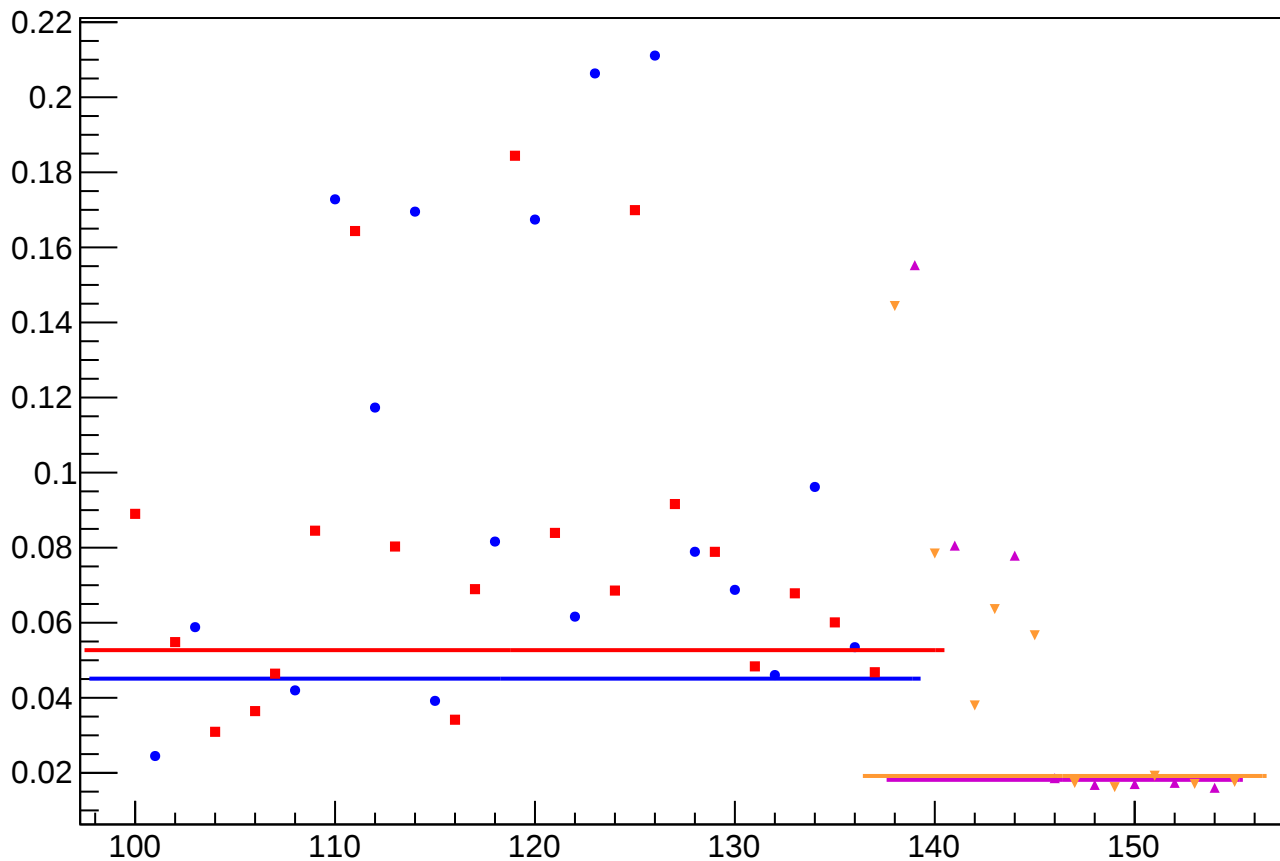
Right Out: 0.507 $\pm$ 0.000 χ^2 /NDF: 995347030.4/19

Left In: 0.942 $\pm$ 0.000 χ^2 /NDF:744909636.2/7

0.823 $\pm$ 0.000 χ^2 /NDF: 1313261799.3/26

0.894 $\pm$ 0.000 χ^2 /NDF: 1993219306.5/27

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

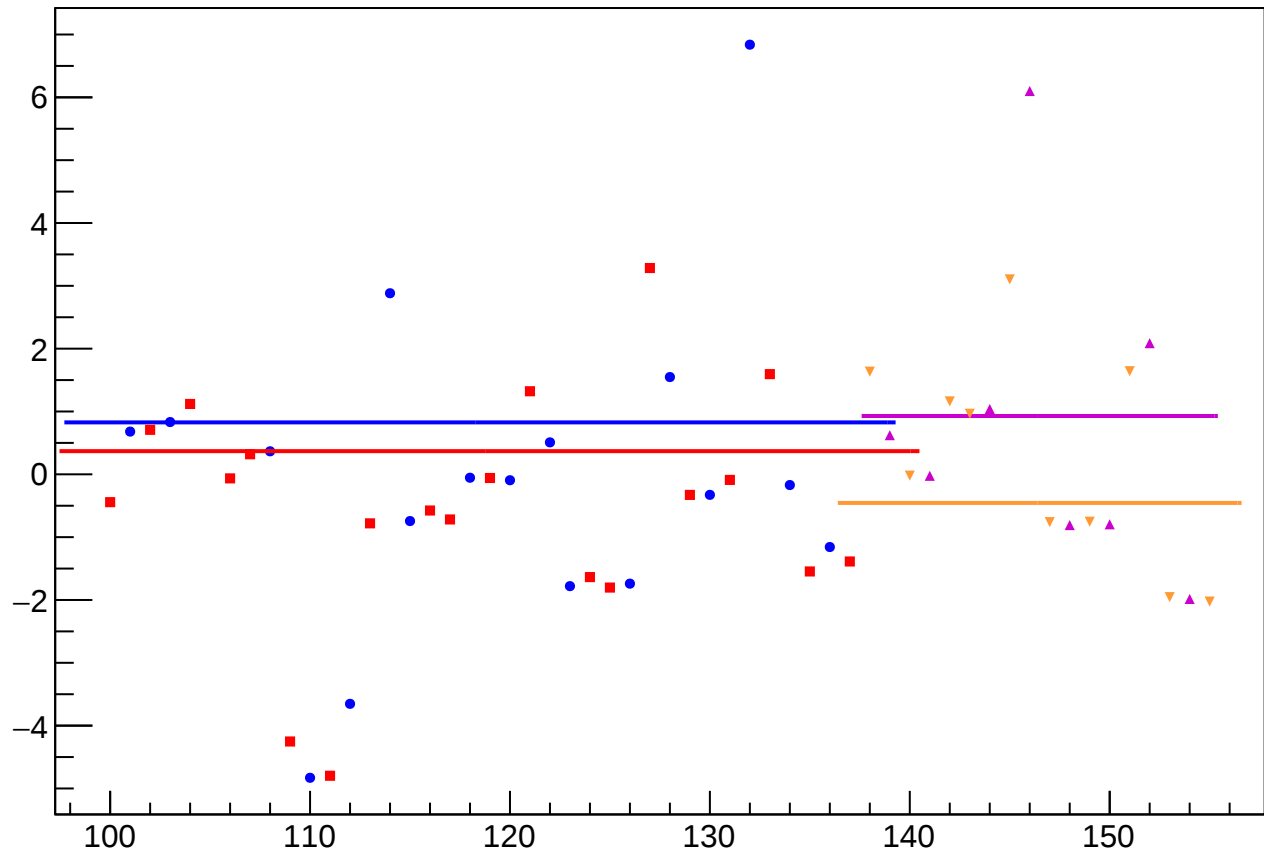
Right Out: 0.053+/-0.000 χ^2/NDF : 2194555.4/19

Left In: 0.018+/-0.000 χ^2/NDF :2170703.1/7

0.022+/-0.000 χ^2/NDF : 7431782.0/26

0.022+/-0.000 χ^2/NDF : 7558066.0/27

yield_bpm1Y_mean vs Slug



Right In: 0.827 ± 0.000 χ^2/NDF : 10936458870.4/16

Left Out: -0.455 ± 0.000 χ^2/NDF : 65761362843.4/9

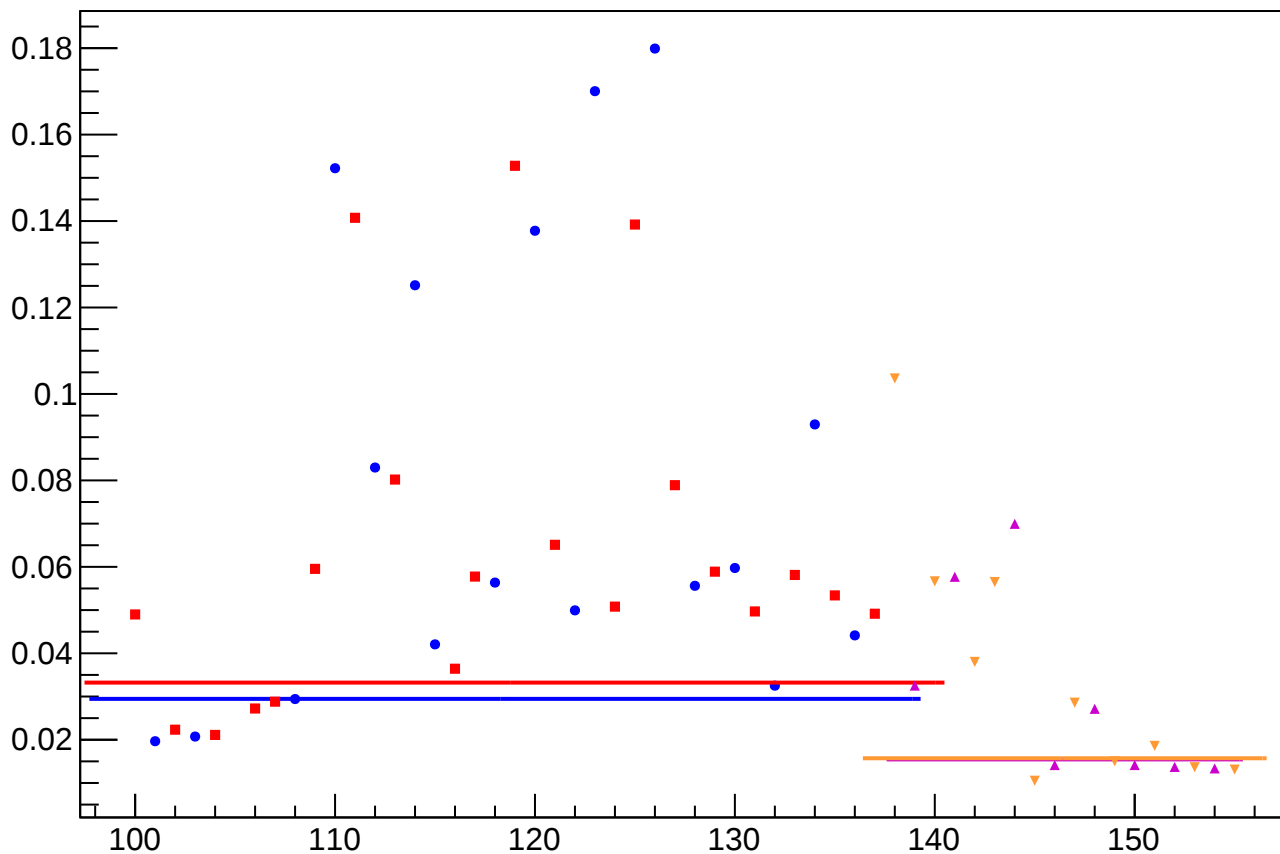
Right Out: 0.369 ± 0.000 χ^2/NDF : 4985860510.0/19

Left In: 0.928 ± 0.000 χ^2/NDF : 153660665203.6/7

-0.230 ± 0.000 χ^2/NDF : 82027370281.2/26

0.837 ± 0.000 χ^2/NDF : 159566013866.3/27

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

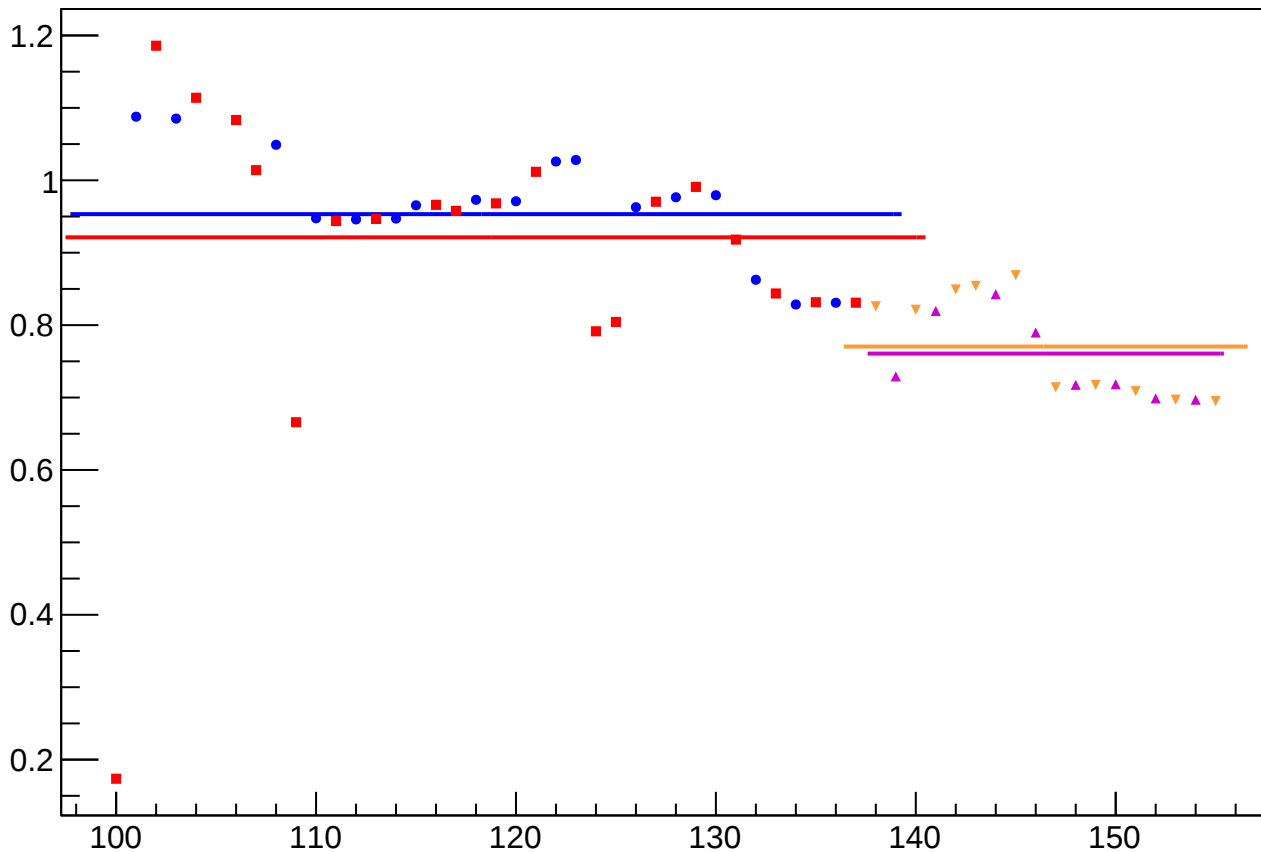
Right Out: 0.033+/-0.000 χ^2/NDF : 3110014.7/19

Left In: 0.015+/-0.000 χ^2/NDF :1650323.0/7

0.018+/-0.000 χ^2/NDF : 6797387.0/26

0.018+/-0.000 χ^2/NDF : 6616498.4/27

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

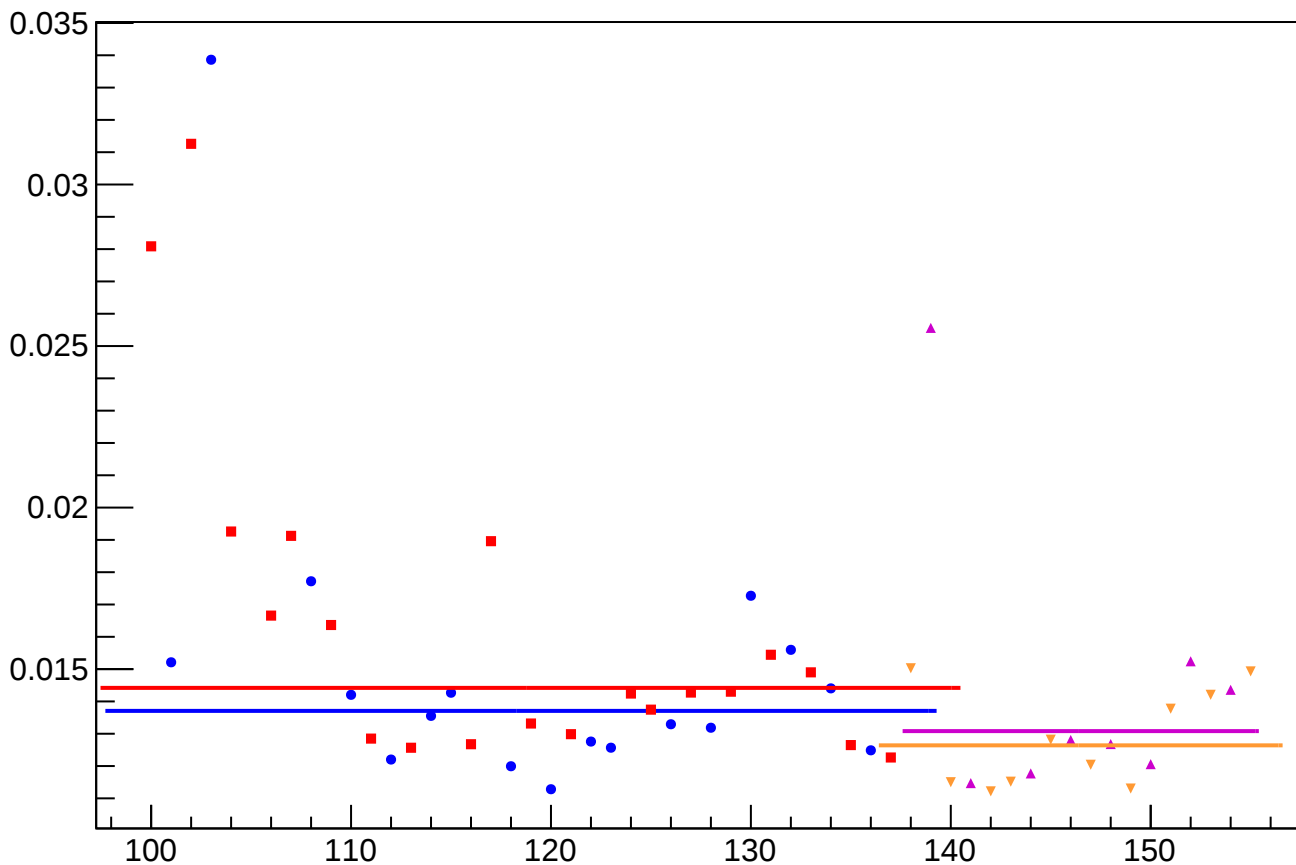
0.851+/-0.000 χ^2/NDF : 947520369.2/26

Right Out: 0.921+/-0.000 χ^2/NDF : 374376205.4/19

0.836+/-0.000 χ^2/NDF : 883733811.4/27

Left In: 0.761+/-0.000 χ^2/NDF :106390358.4/7

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

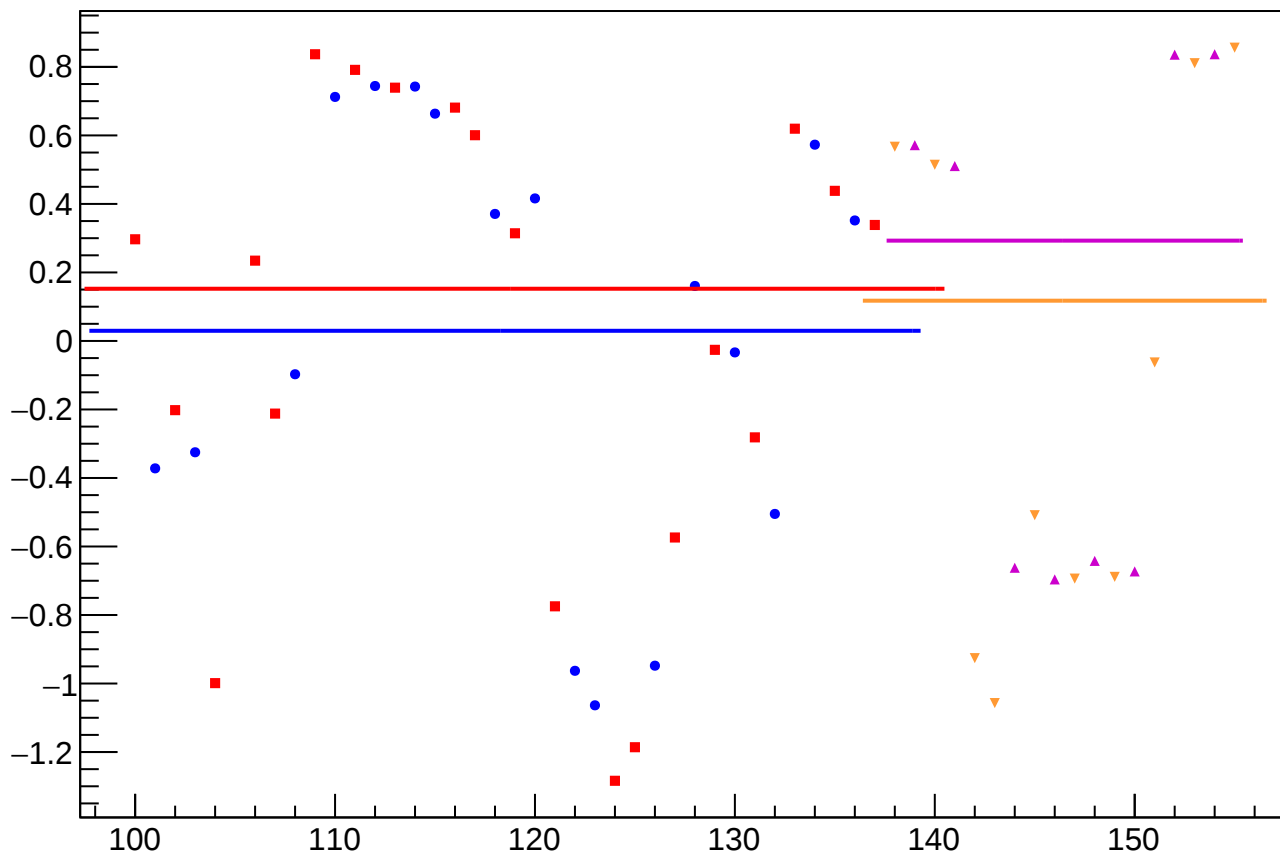
Right Out: 0.014+/-0.000 χ^2/NDF : 506553.4/19

Left In: 0.013+/-0.000 χ^2/NDF :416636.3/7

0.013+/-0.000 χ^2/NDF : 736579.2/26

0.014+/-0.000 χ^2/NDF : 979181.5/27

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

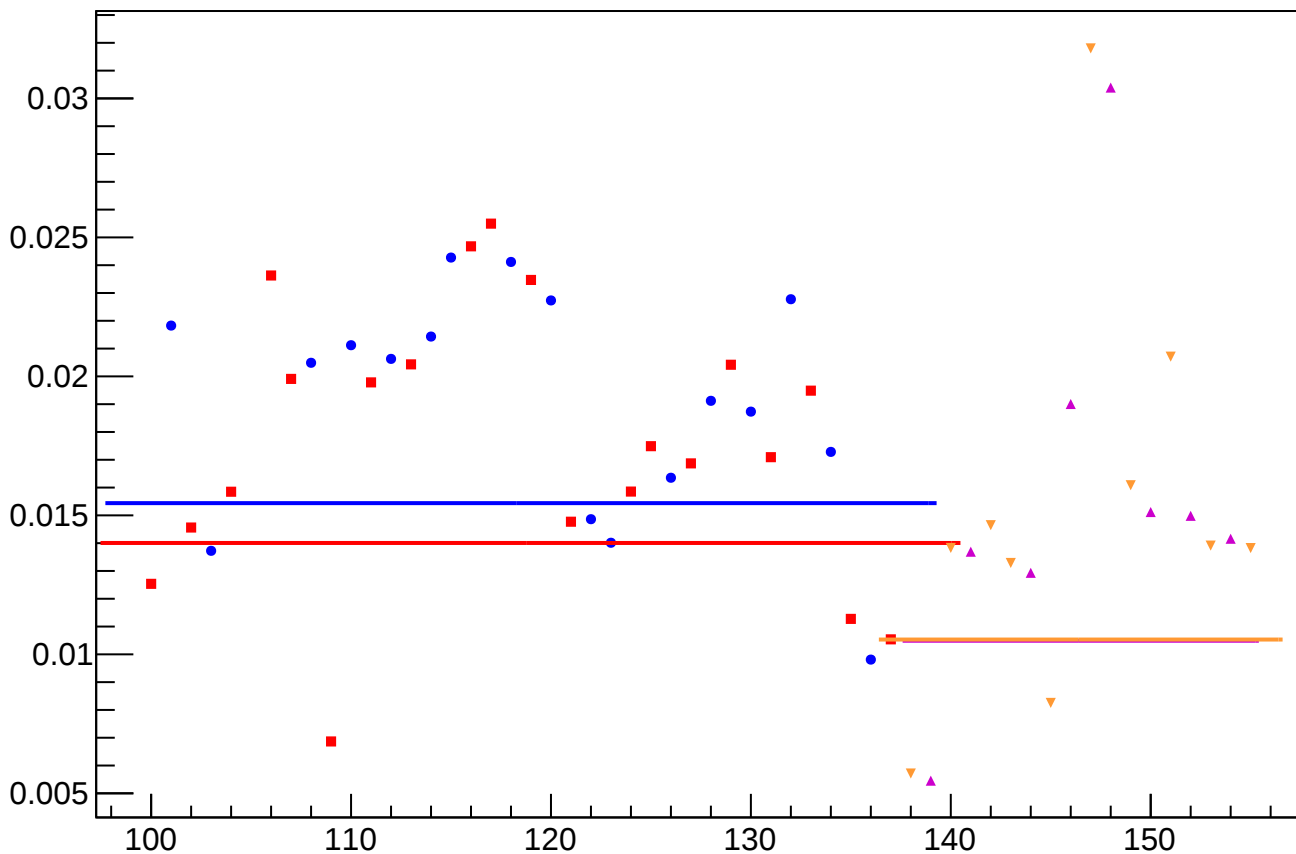
Right Out: 0.152+/-0.000 χ^2/NDF : 12673501089.9/19

Left In: 0.293+/-0.000 χ^2/NDF :14726265303.9/7

0.089+/-0.000 χ^2/NDF : 27855943563.1/26

0.238+/-0.000 χ^2/NDF : 27743851291.3/27

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

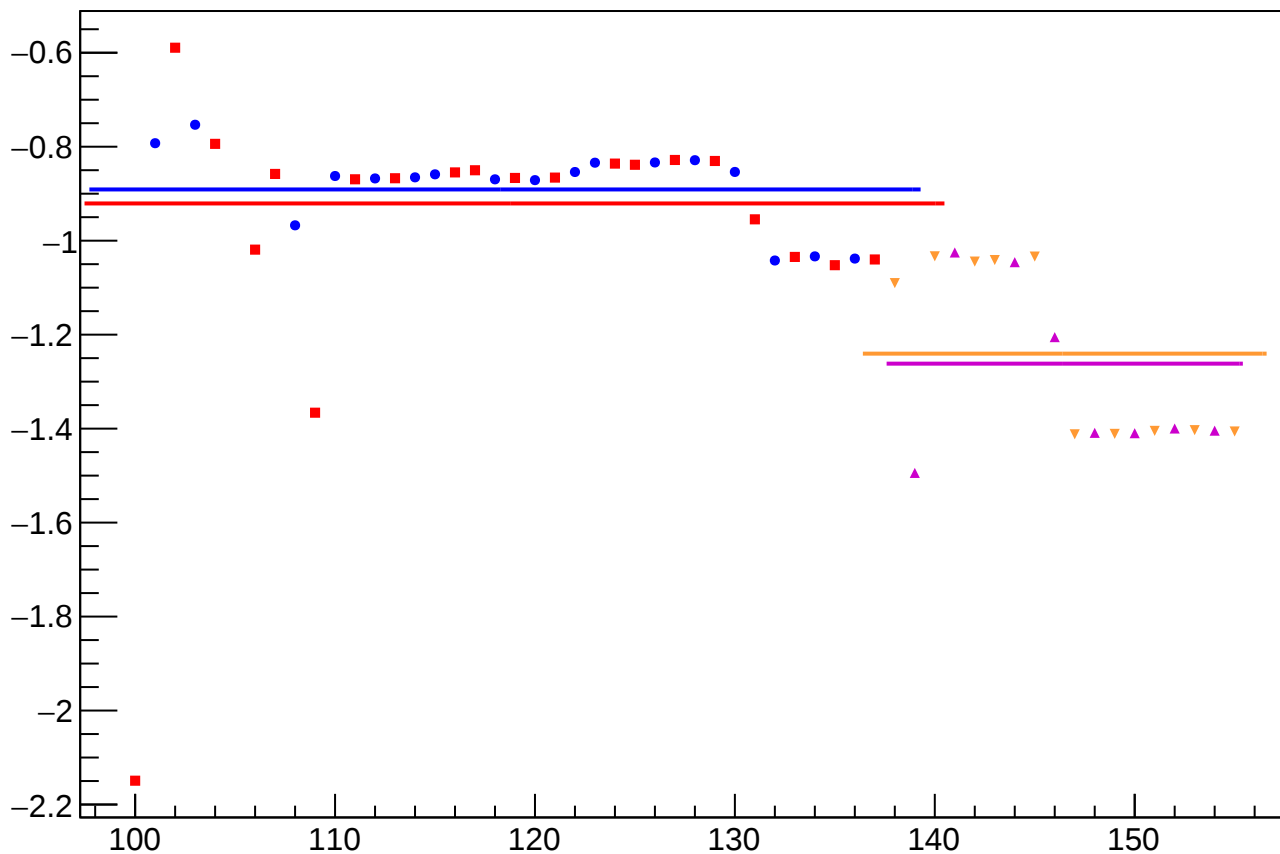
Right Out: 0.014+/-0.000 χ^2/NDF : 1576149.9/19

Left In: 0.010+/-0.000 χ^2/NDF : 2570506.9/7

0.012+/-0.000 χ^2/NDF : 4449303.9/26

0.012+/-0.000 χ^2/NDF : 4578523.3/27

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

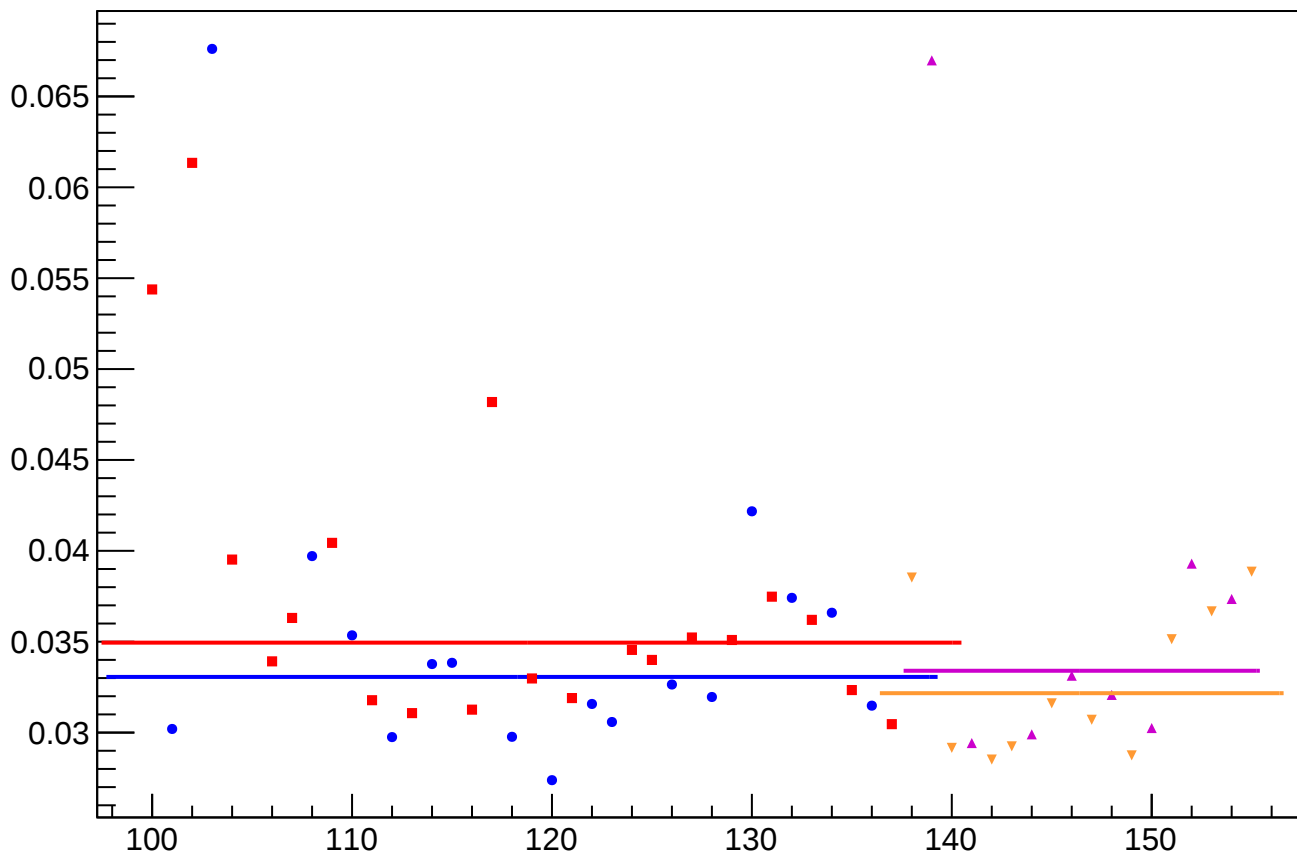
Right Out: -0.921 ± 0.000 χ^2/NDF : 131271770.4/19

Left In: -1.262 ± 0.000 χ^2/NDF : 149352135.5/7

-1.076 ± 0.000 χ^2/NDF : 588046500.8/26

-1.091 ± 0.000 χ^2/NDF : 575581208.4/27

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

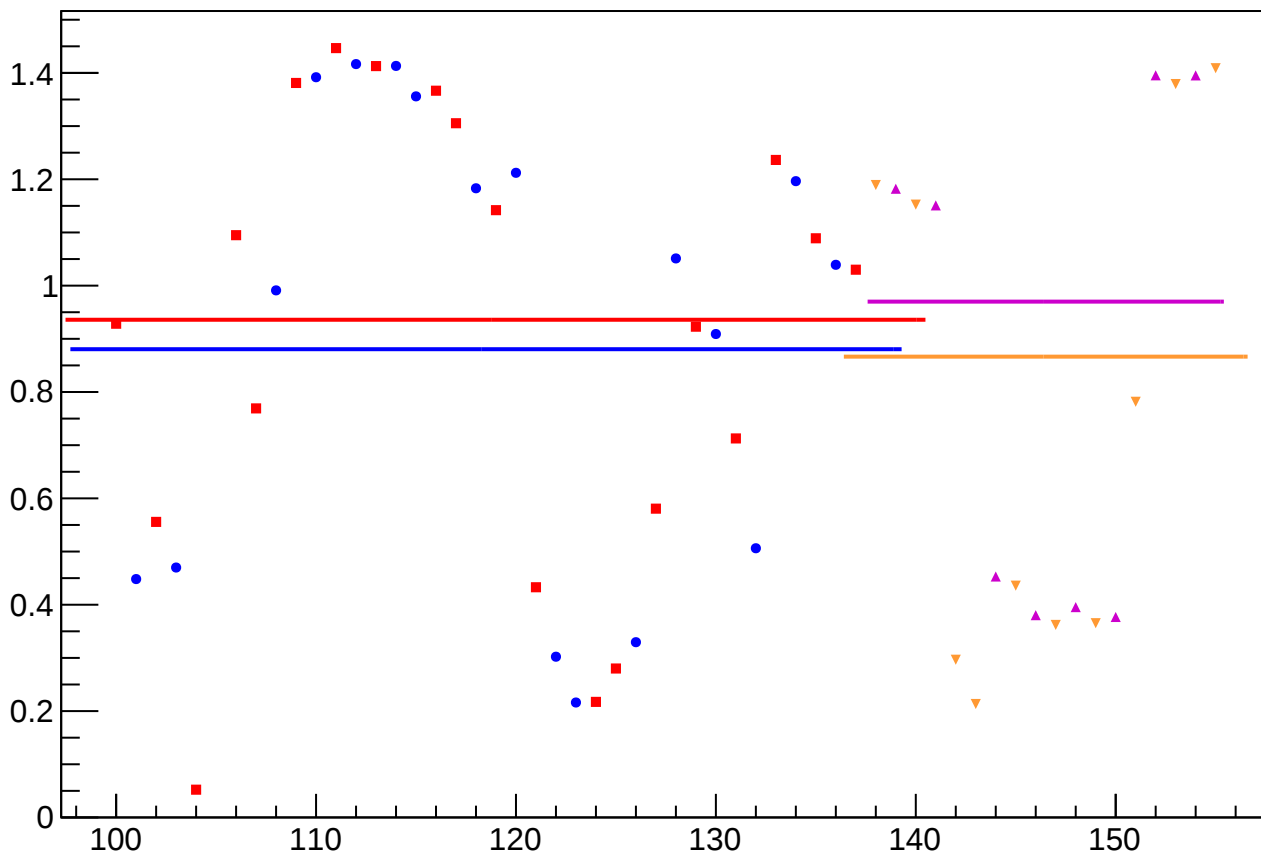
Right Out: 0.035+/-0.000 χ^2/NDF : 280500.4/19

Left In: 0.033+/-0.000 χ^2/NDF :447787.5/7

0.033+/-0.000 χ^2/NDF : 581838.7/26

0.034+/-0.000 χ^2/NDF : 740429.6/27

yield_bpm12Y_mean vs Slug



Right In: 0.880+/-0.000 χ^2/NDF : 6400108121.4/16

Left Out: 0.866+/-0.000 χ^2/NDF :17850340470.9/9

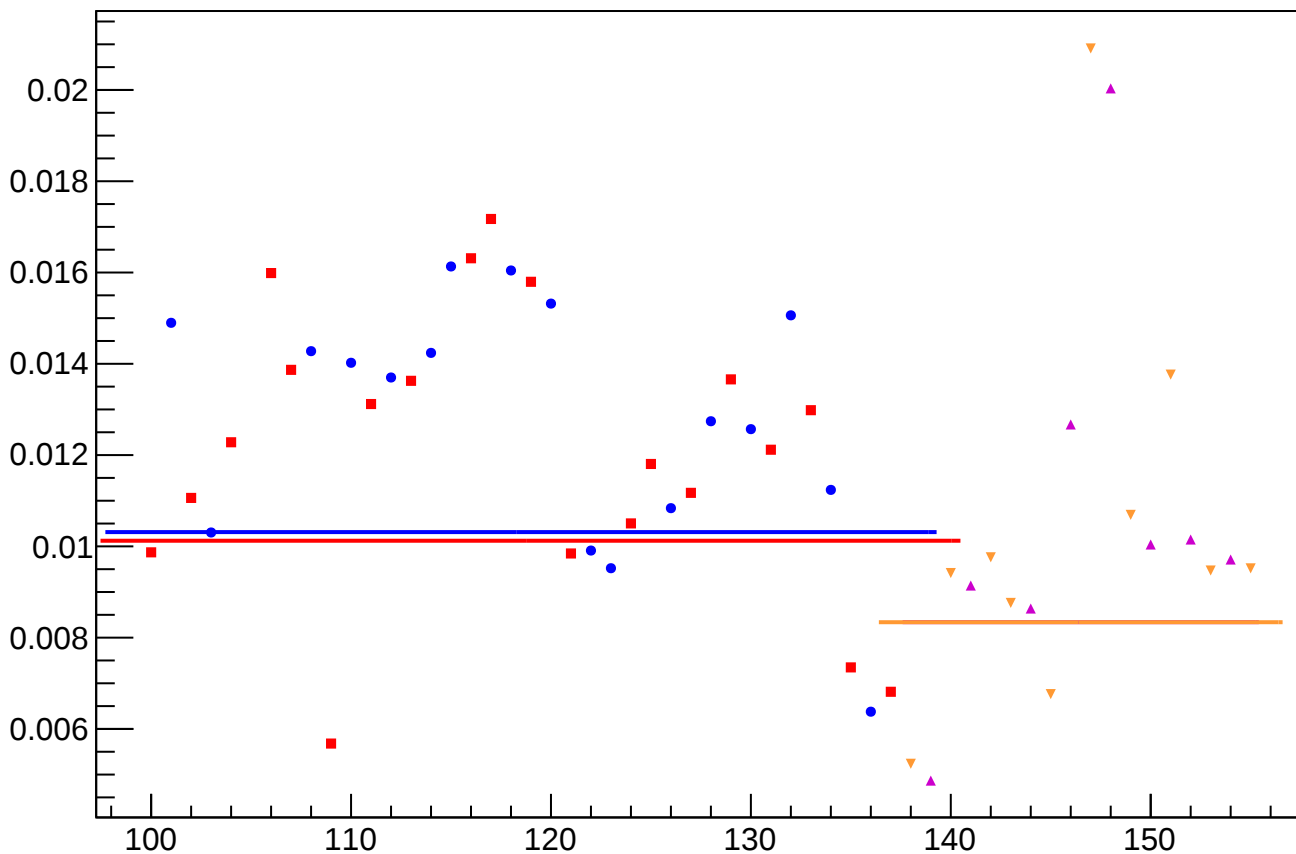
Right Out: 0.936+/-0.000 χ^2/NDF : 9851303698.9/19

Left In: 0.970+/-0.000 χ^2/NDF :12631972272.3/7

0.872+/-0.000 χ^2/NDF : 24256934642.5/26

0.956+/-0.000 χ^2/NDF : 22521783536.4/27

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 1231066.2/16

Left Out: 0.008+/-0.000 χ^2/NDF : 1459372.5/9

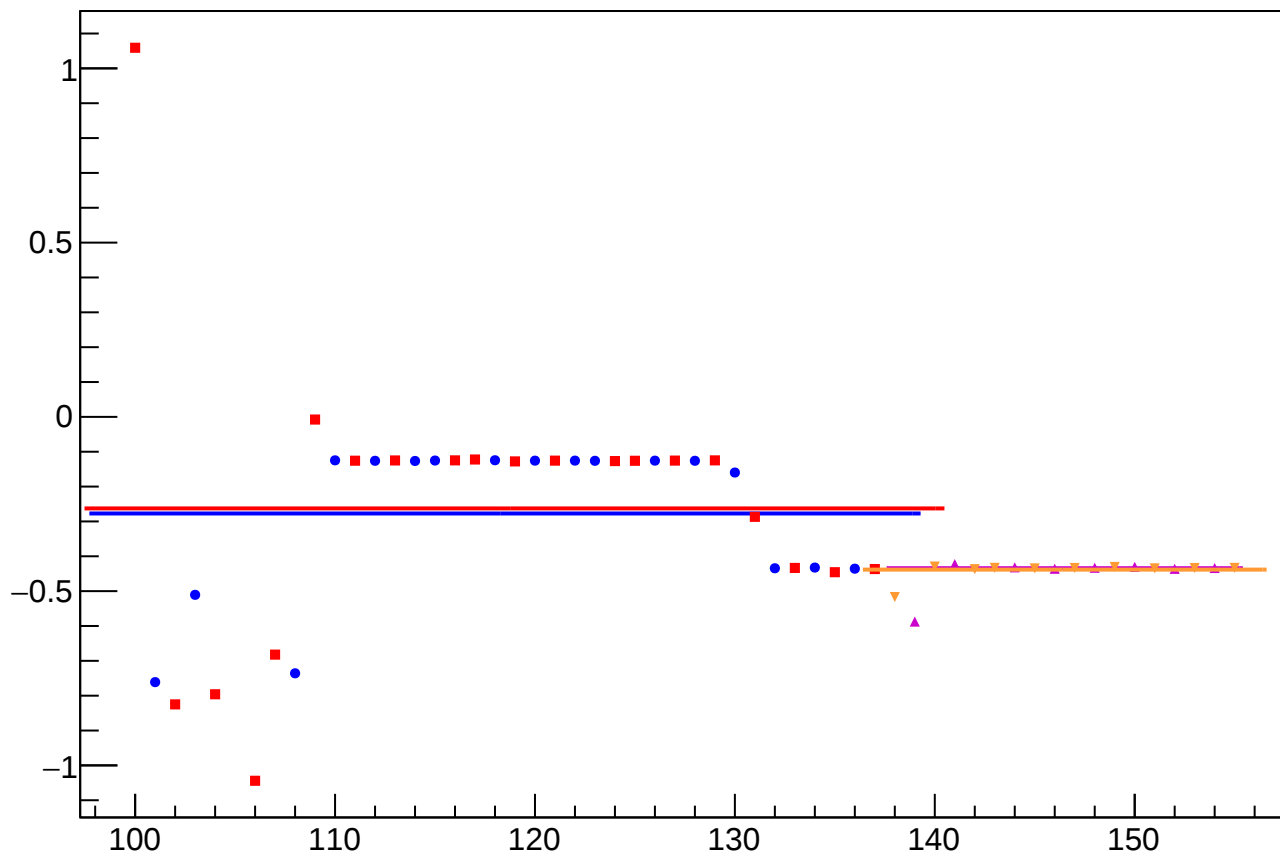
Right Out: 0.010+/-0.000 χ^2/NDF : 1191429.9/19

Left In: 0.008+/-0.000 χ^2/NDF : 1476759.3/7

0.009+/-0.000 χ^2/NDF : 2949012.0/26

0.009+/-0.000 χ^2/NDF : 2879155.1/27

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

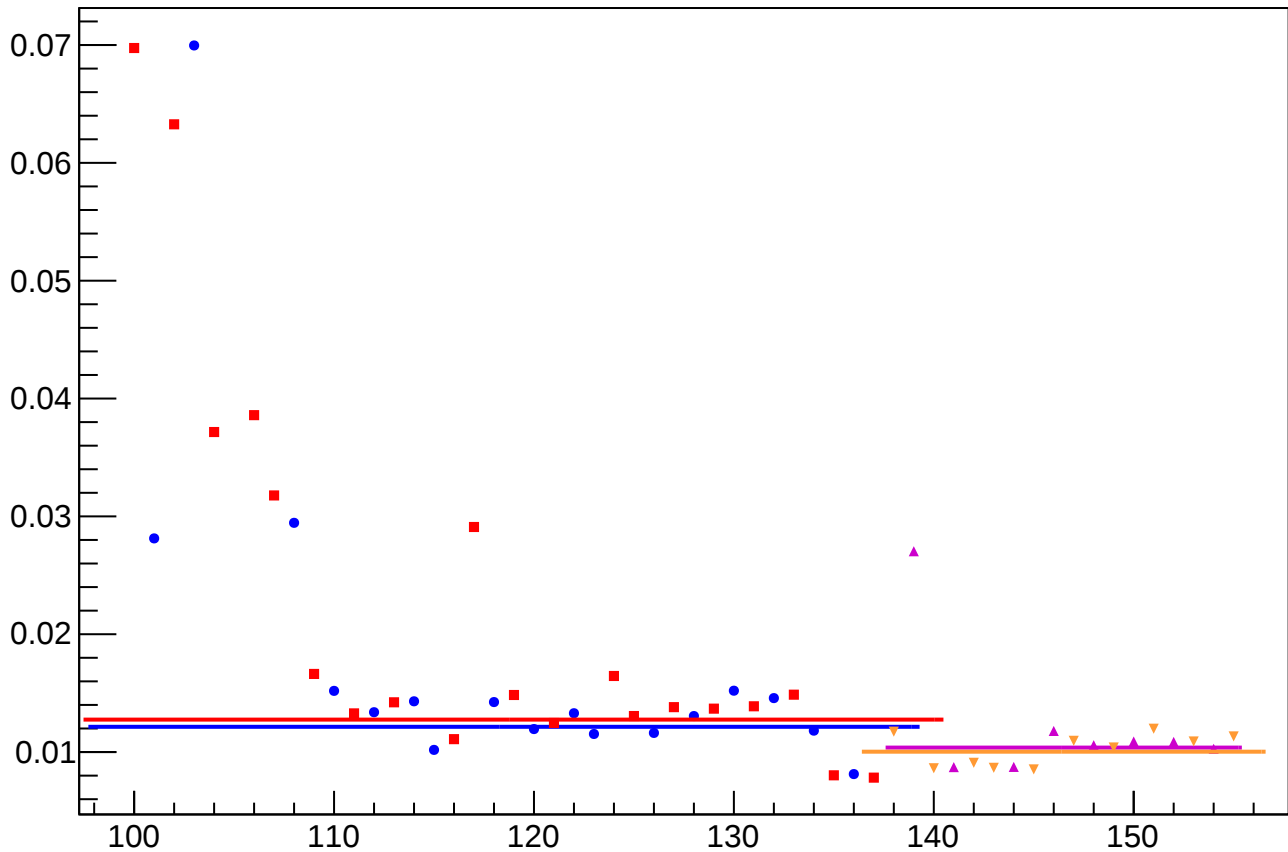
Right Out: -0.263+/-0.000 χ^2/NDF : 1009303829.9/19

Left In: -0.434+/-0.000 χ^2/NDF : 22681597.1/7

-0.381+/-0.000 χ^2/NDF : 1501428432.3/26

-0.368+/-0.000 χ^2/NDF : 1575403480.9/27

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

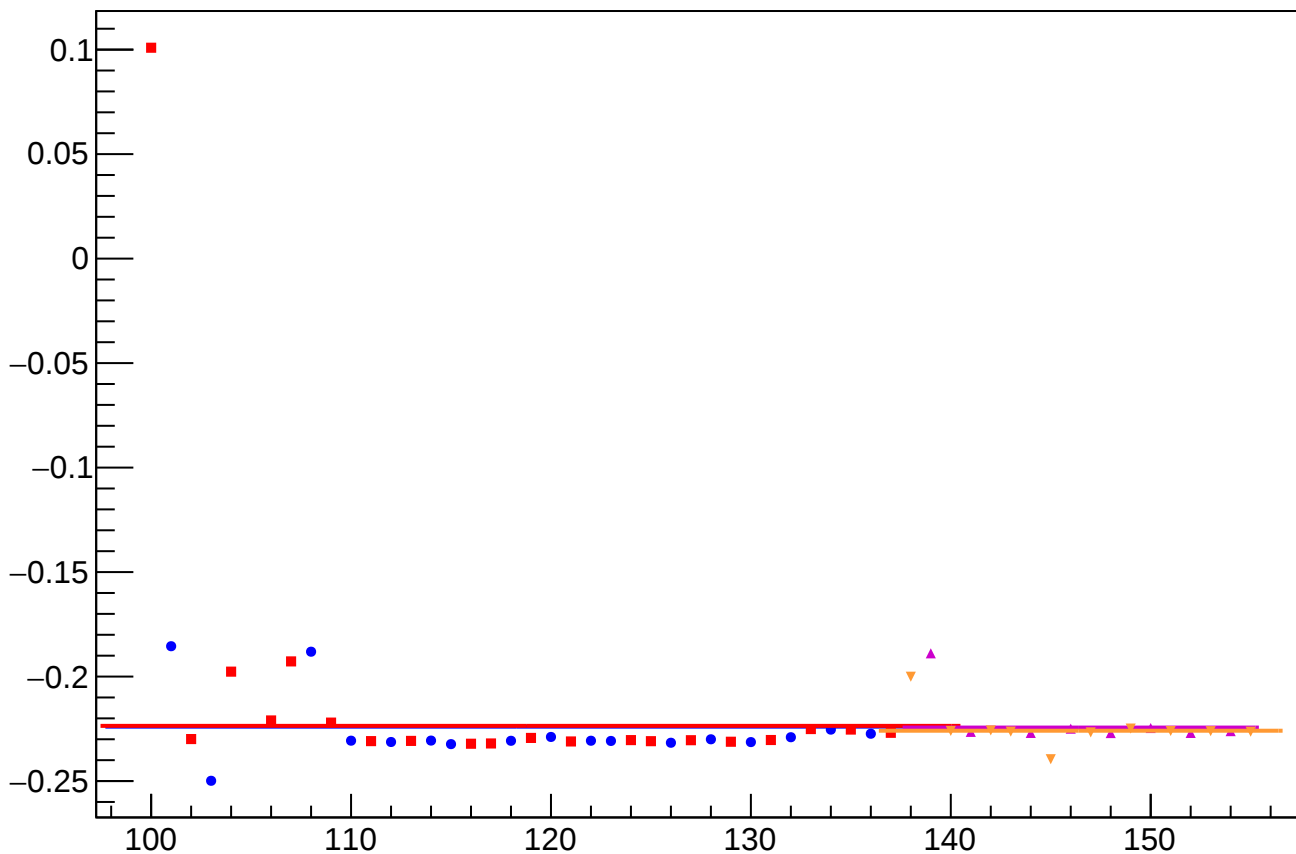
Right Out: 0.013+/-0.000 χ^2/NDF : 1993726.2/19

Left In: 0.010+/-0.000 χ^2/NDF : 623689.4/7

0.011+/-0.000 χ^2/NDF : 2107173.6/26

0.011+/-0.000 χ^2/NDF : 2825879.5/27

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

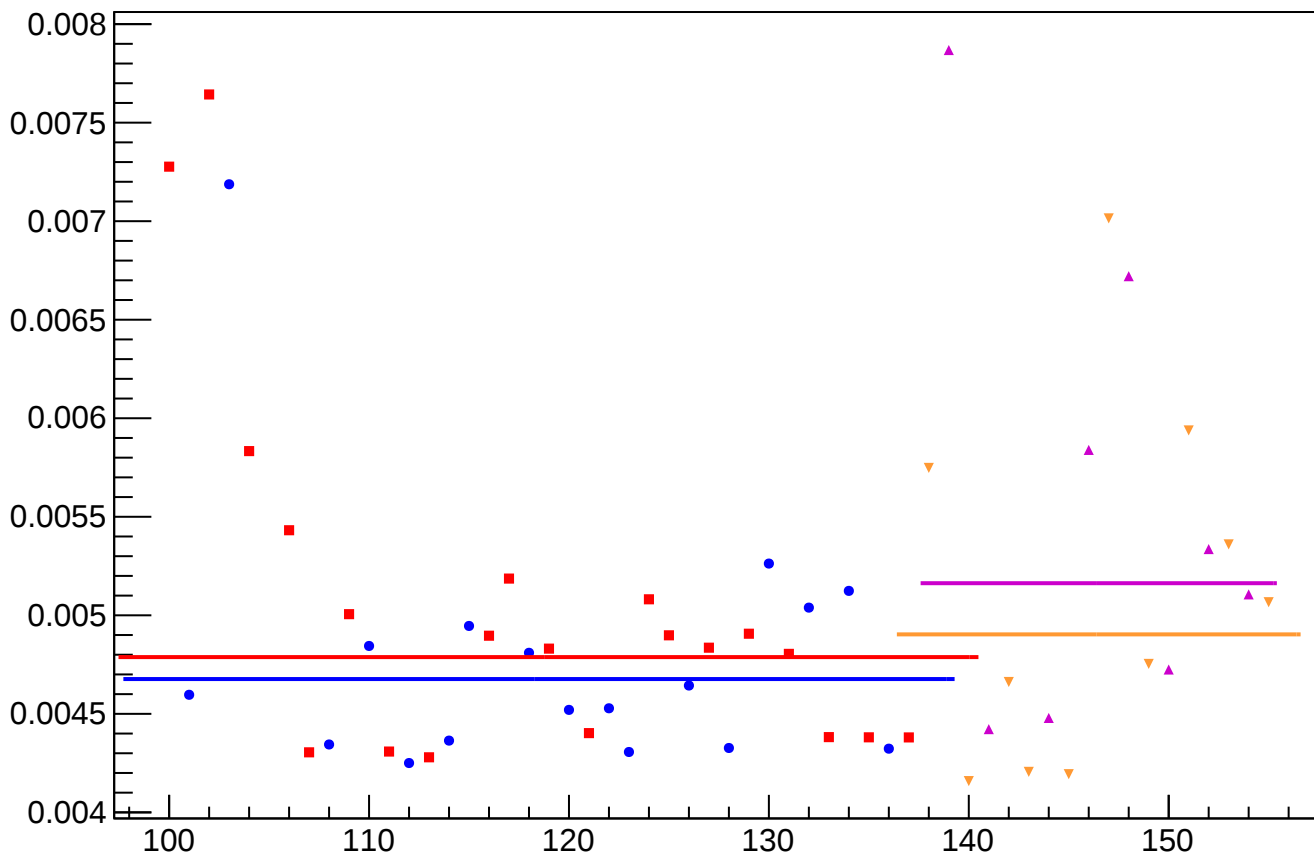
Right Out: -0.224 ± 0.000 χ^2/NDF : 168231258.4/19

Left In: -0.224 ± 0.000 χ^2/NDF : 13917074.3/7

-0.225 ± 0.000 χ^2/NDF : 95763457.9/26

-0.224 ± 0.000 χ^2/NDF : 182231629.1/27

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

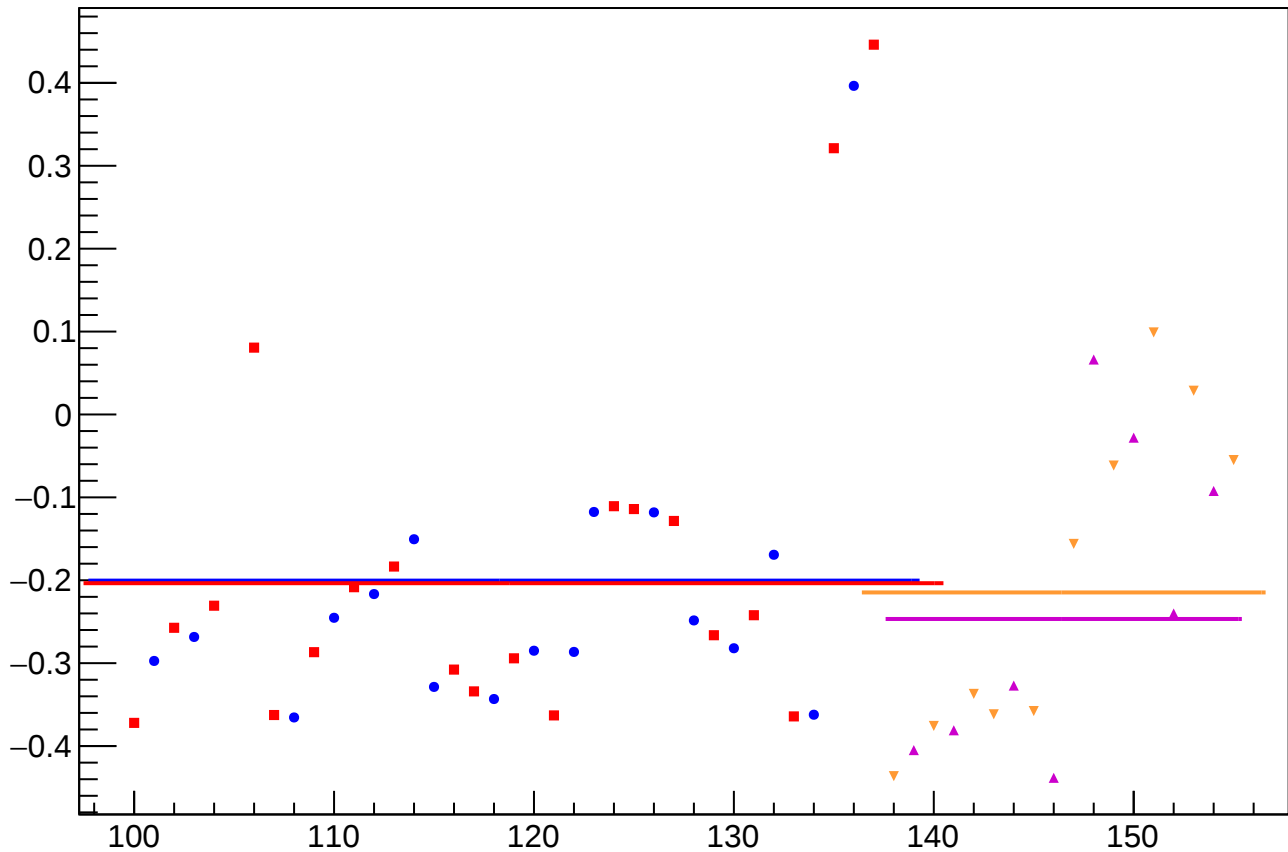
Right Out: 0.005+/-0.000 χ^2/NDF : 248668.3/19

Left In: 0.005+/-0.000 χ^2/NDF : 349460.1/7

0.005+/-0.000 χ^2/NDF : 542348.0/26

0.005+/-0.000 χ^2/NDF : 633152.3/27

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

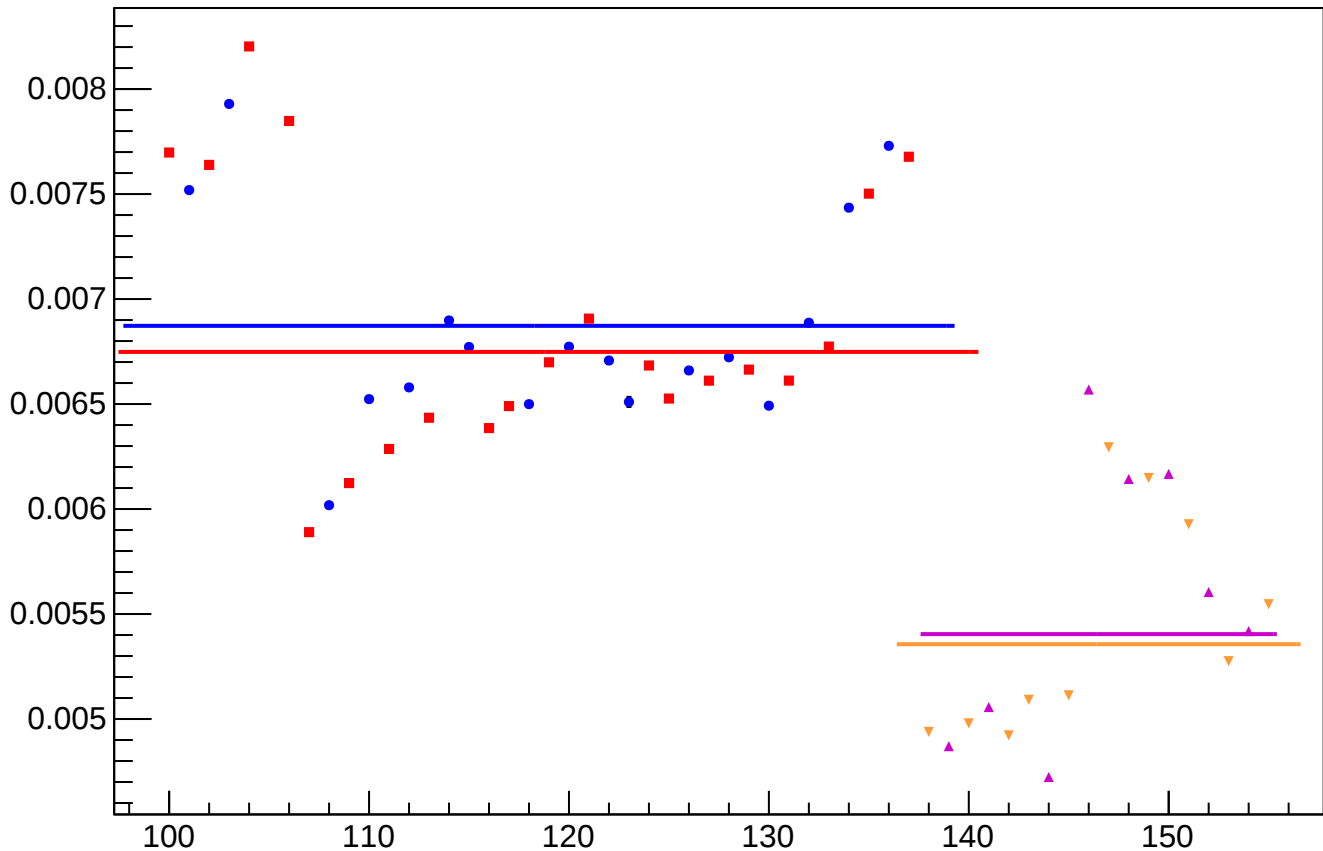
Right Out: -0.204 ± 0.000 χ^2/NDF : 5045878528.0/19

Left In: -0.247 ± 0.000 χ^2/NDF : 5416904629.8/7

-0.209 ± 0.000 χ^2/NDF : 14267301338.1/26

-0.228 ± 0.000 χ^2/NDF : 10623911171.4/27

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

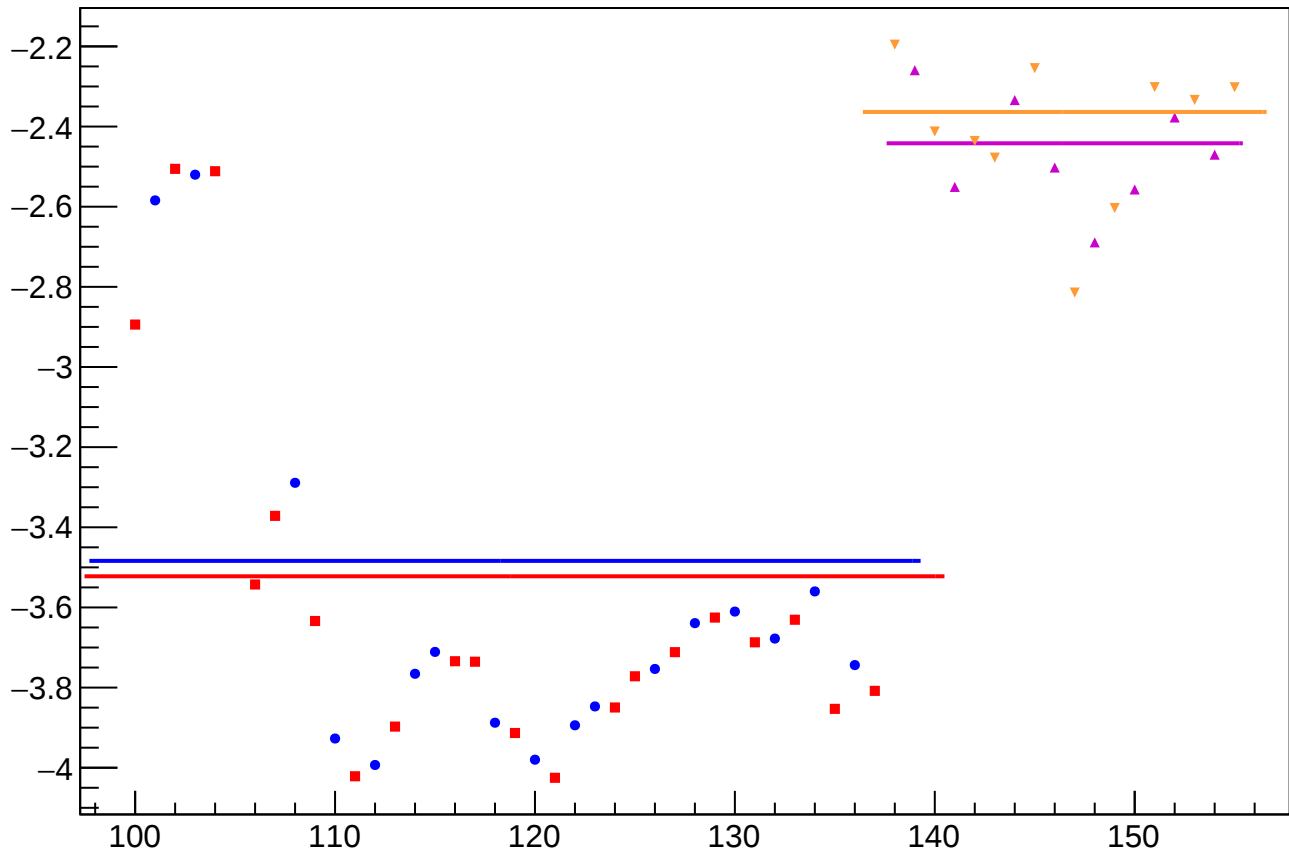
Right Out: 0.007+/-0.000 χ^2/NDF : 105262.1/19

Left In: 0.005+/-0.000 χ^2/NDF : 141457.4/7

0.006+/-0.000 χ^2/NDF : 579796.3/26

0.006+/-0.000 χ^2/NDF : 559242.7/27

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

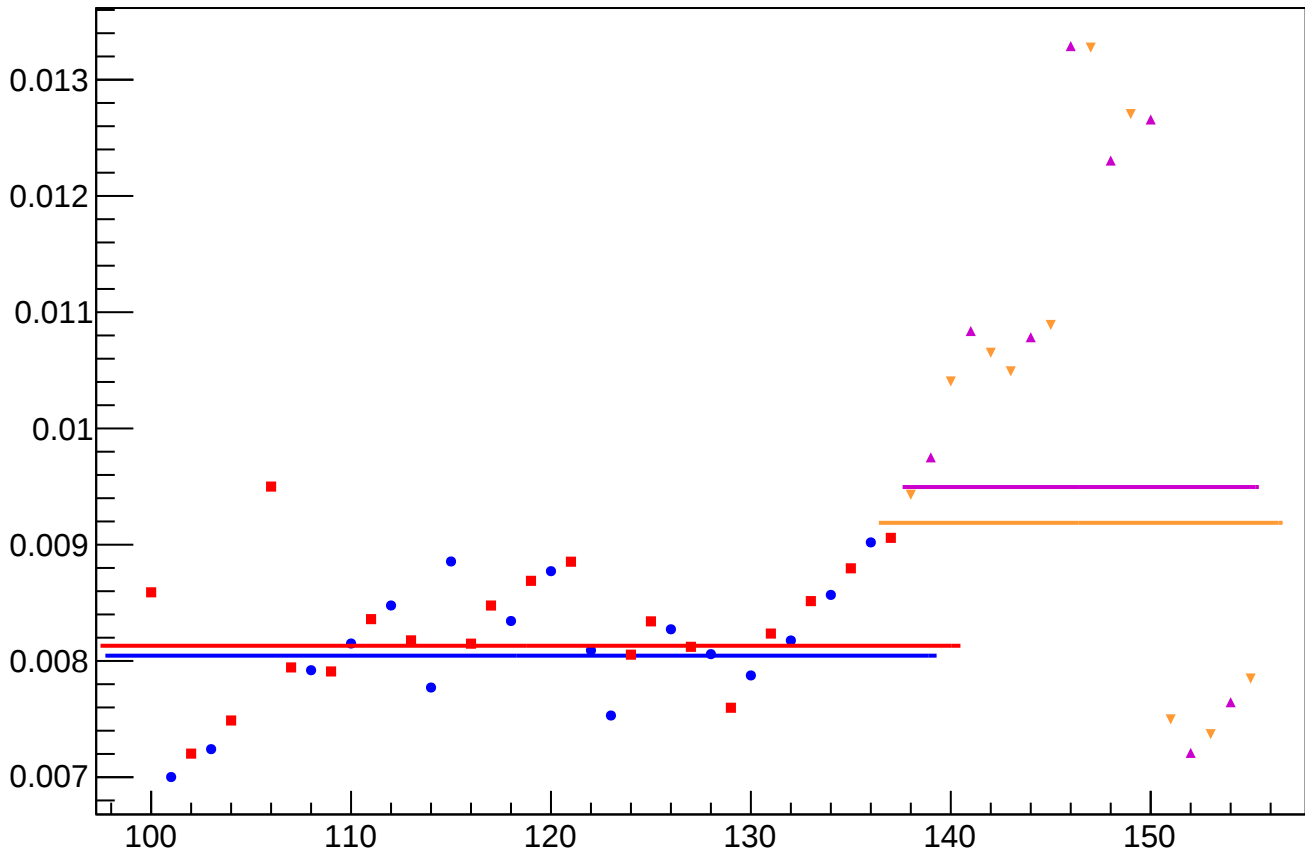
-2.999+/-0.000 χ^2/NDF : 83209318274.4/26

Right Out: -3.522+/-0.000 χ^2/NDF : 26497611752.4/19

-3.112+/-0.000 χ^2/NDF : 73056634821.0/27

Left In: -2.442+/-0.000 χ^2/NDF : 826642155.4/7

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

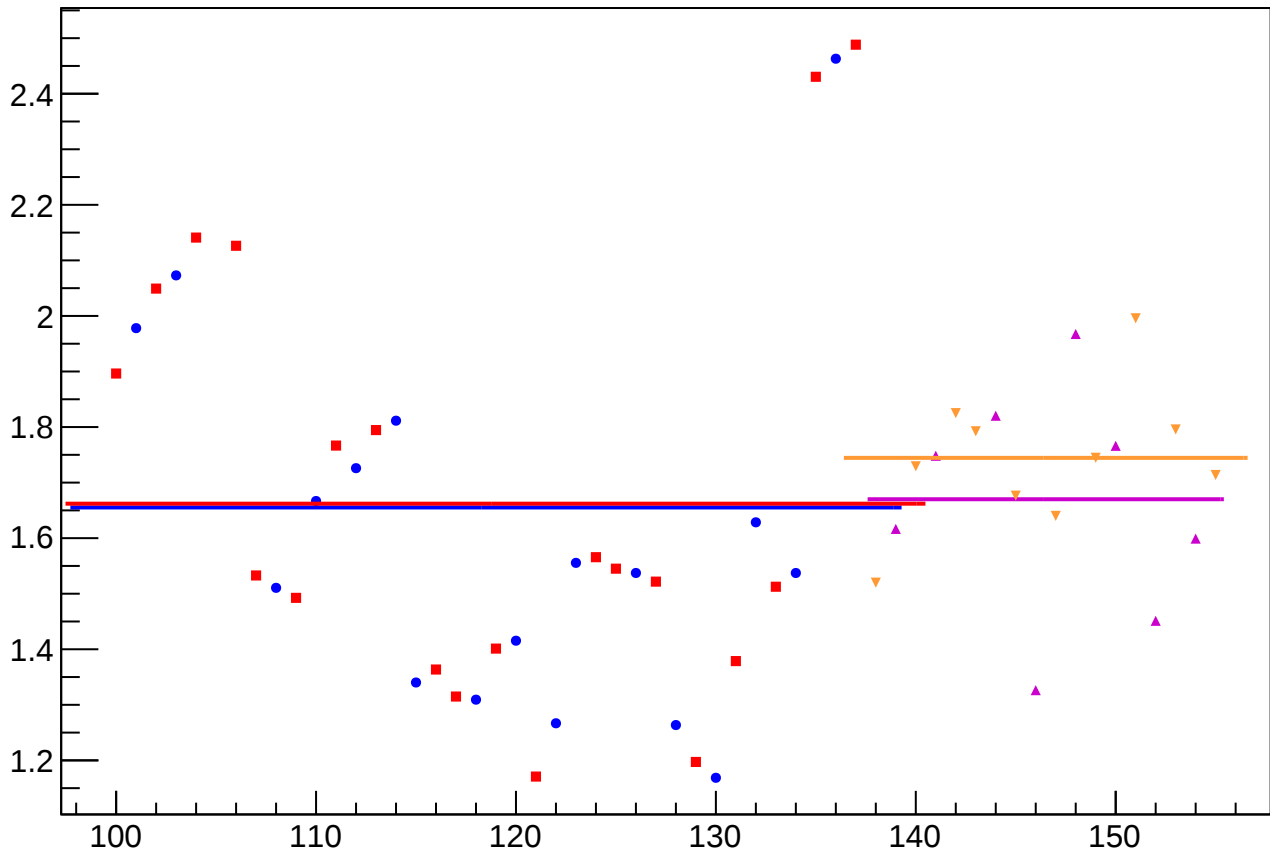
Right Out: 0.008+/-0.000 χ^2/NDF : 57613.2/19

Left In: 0.009+/-0.000 χ^2/NDF : 568656.7/7

0.009+/-0.000 χ^2/NDF : 701322.8/26

0.009+/-0.000 χ^2/NDF : 772338.6/27

yield_bpm0i02aX_mean vs Slug



Right In: 1.655 $\pm$ 0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.745 $\pm$ 0.000 χ^2/NDF : 866045890.8/9

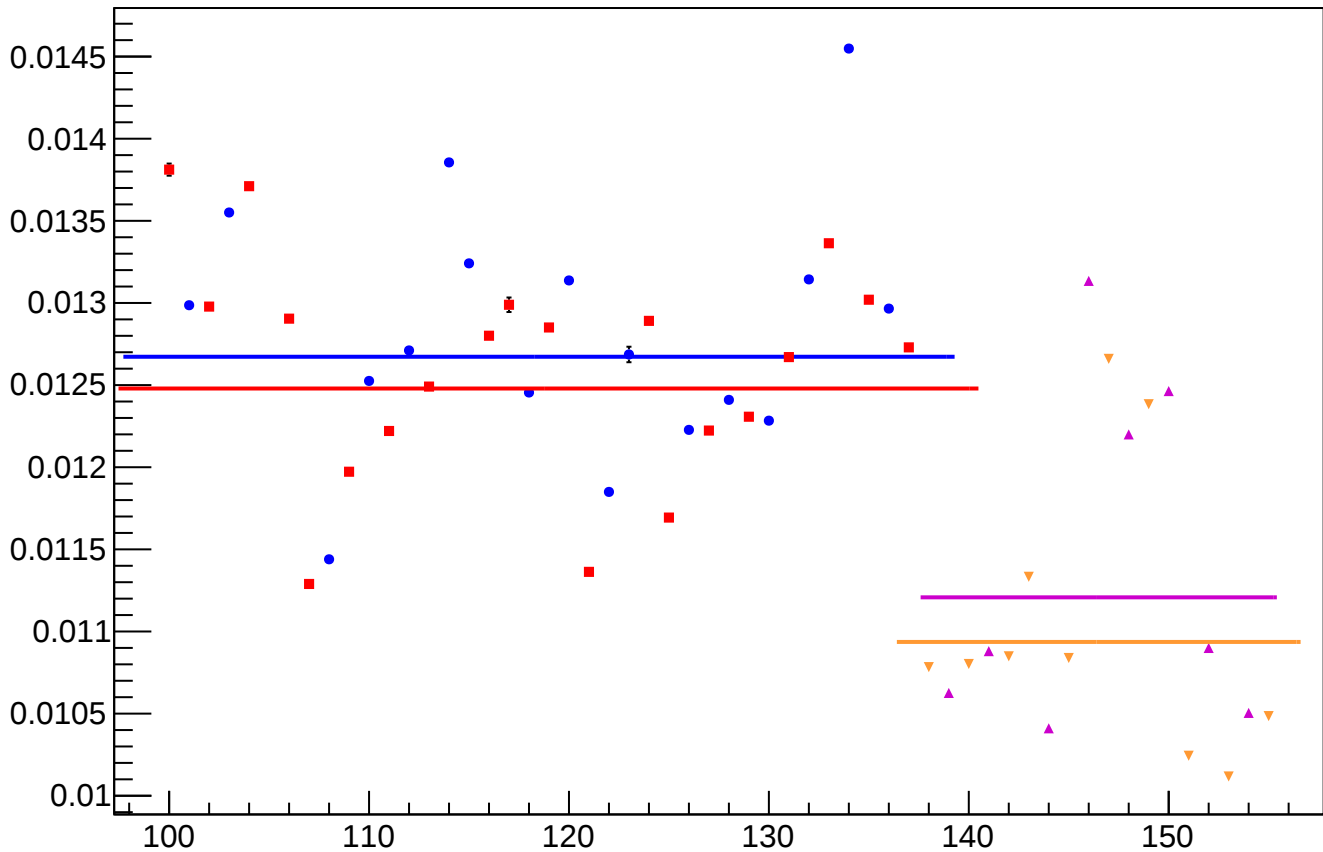
1.708 $\pm$ 0.000 χ^2/NDF : 7533721580.2/26

Right Out: 1.662 $\pm$ 0.000 χ^2/NDF : 5975345573.0/19

1.666 $\pm$ 0.000 χ^2/NDF : 7501380838.1/27

Left In: 1.670 $\pm$ 0.000 χ^2/NDF : 1524560912.6/7

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

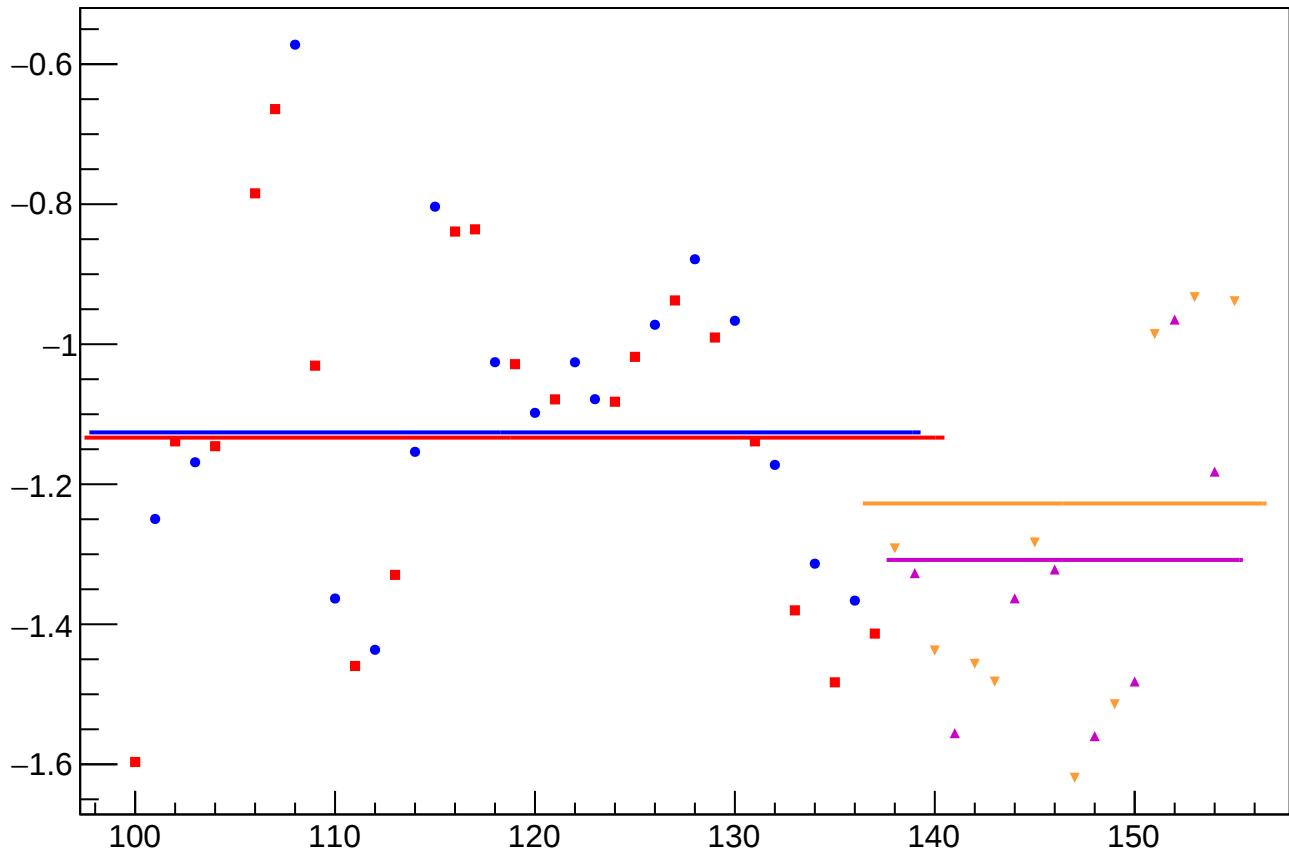
Right Out: 0.012+/-0.000 χ^2/NDF : 39268.9/19

Left In: 0.011+/-0.000 χ^2/NDF : 79450.3/7

0.012+/-0.000 χ^2/NDF : 244943.9/26

0.012+/-0.000 χ^2/NDF : 193614.6/27

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

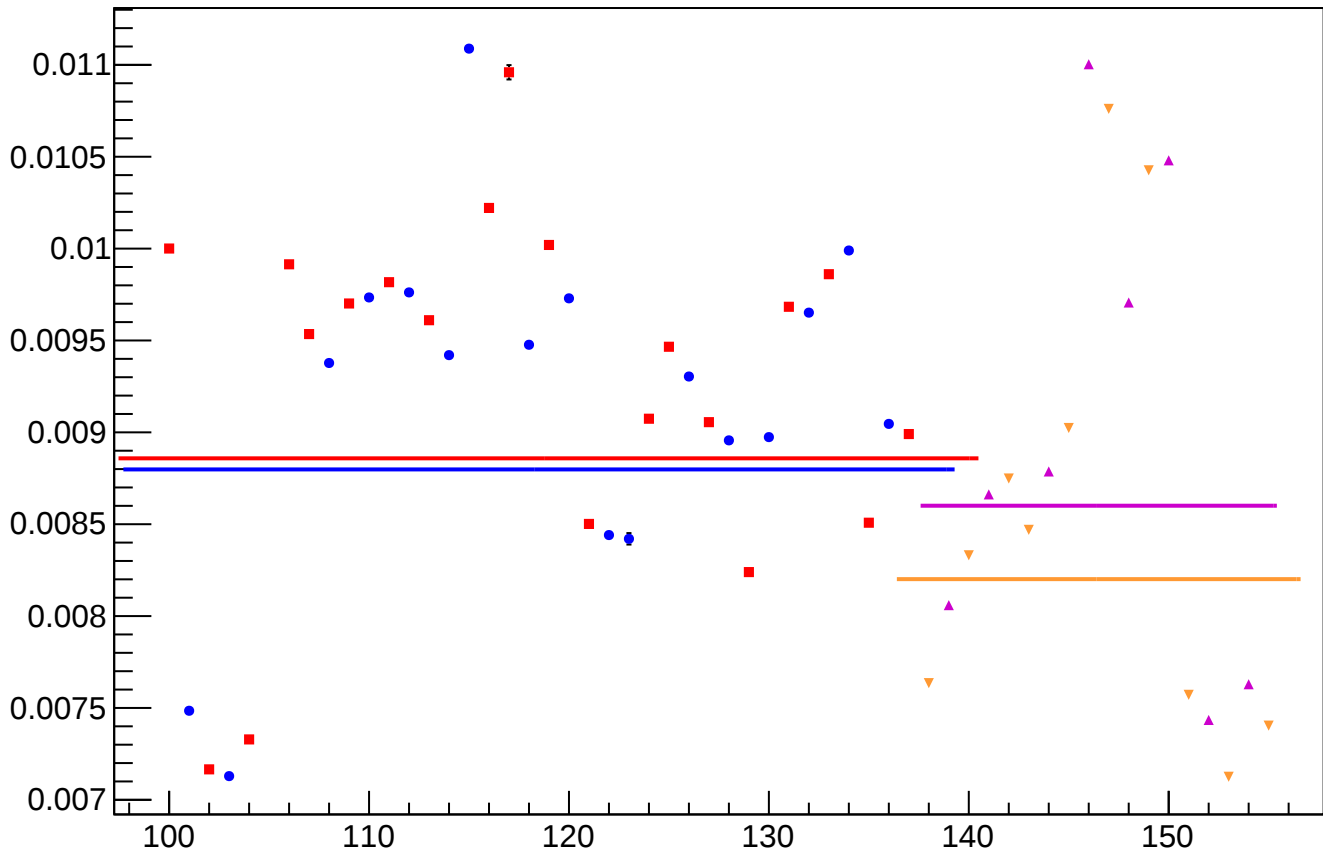
Right Out: -1.133 ± 0.000 χ^2/NDF : 3706528266.7/19

Left In: -1.308 ± 0.000 χ^2/NDF : 3236442885.1/7

-1.181 ± 0.000 χ^2/NDF : 9888788922.5/26

-1.218 ± 0.000 χ^2/NDF : 8189597773.1/27

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

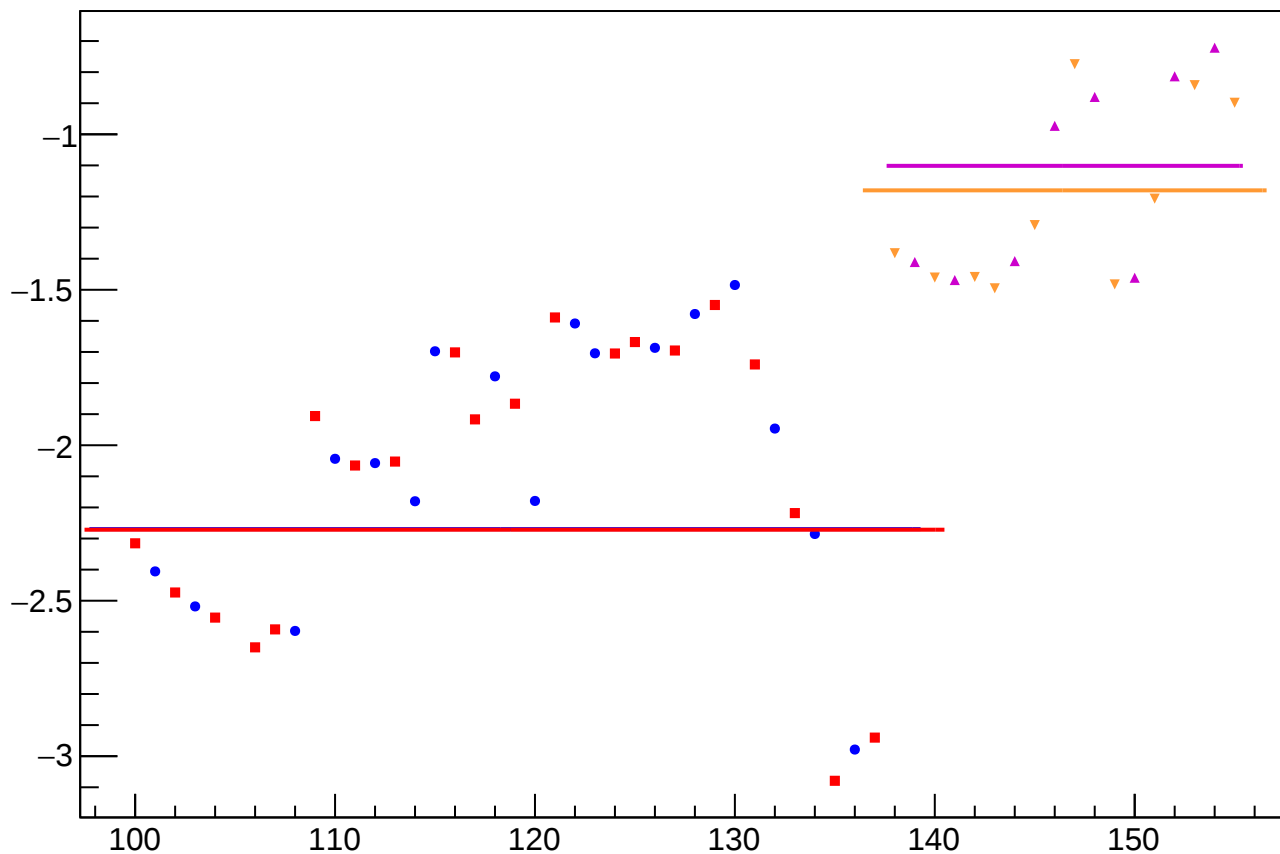
Right Out: 0.009+/-0.000 χ^2/NDF : 176858.0/19

Left In: 0.009+/-0.000 χ^2/NDF : 194677.9/7

0.008+/-0.000 χ^2/NDF : 399091.7/26

0.009+/-0.000 χ^2/NDF : 376967.9/27

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

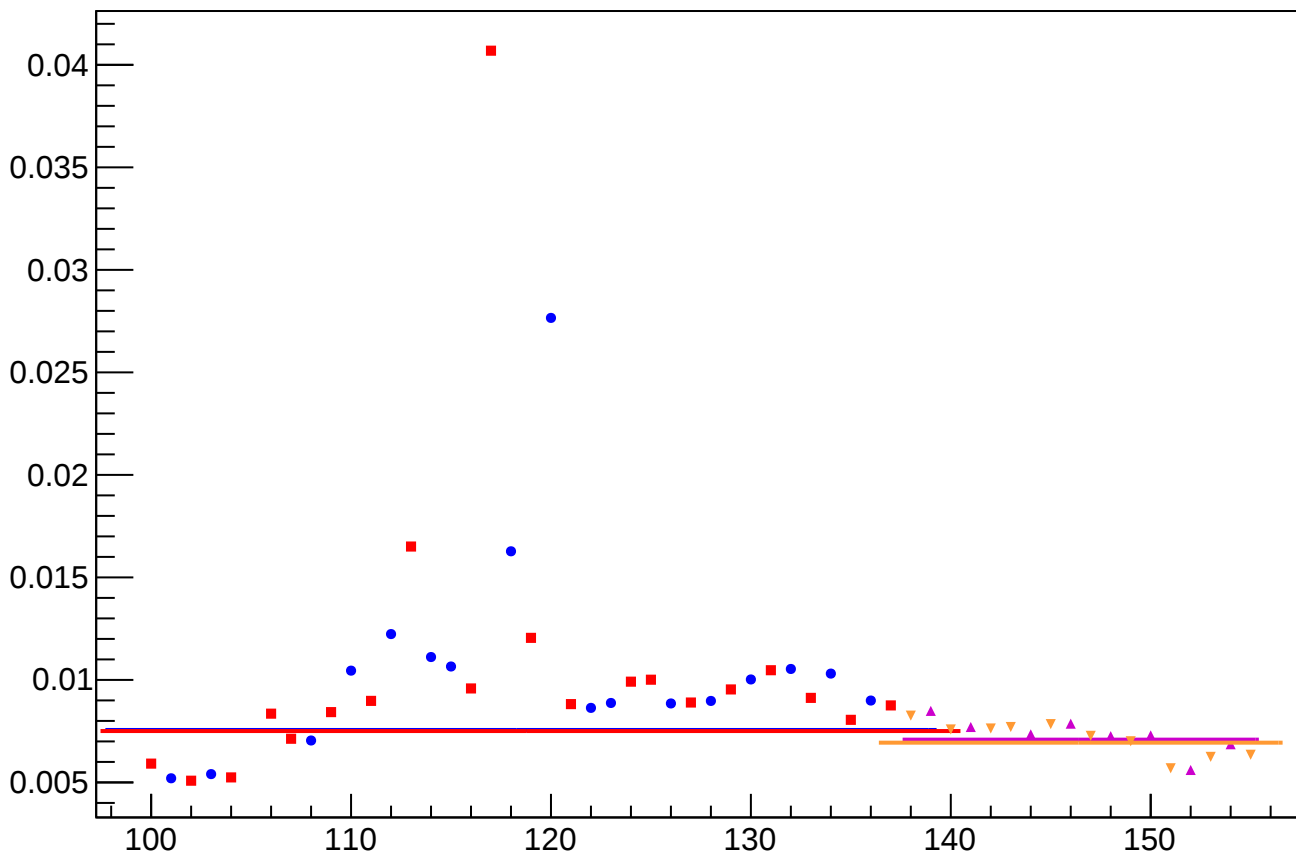
Right Out: -2.272+/-0.000 χ^2/NDF : 19012236430.2/19

Left In: -1.101+/-0.000 χ^2/NDF : 11344906781.2/7

-1.605+/-0.000 χ^2/NDF : 91600722157.0/26

-1.634+/-0.000 χ^2/NDF : 104711227952.7/27

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

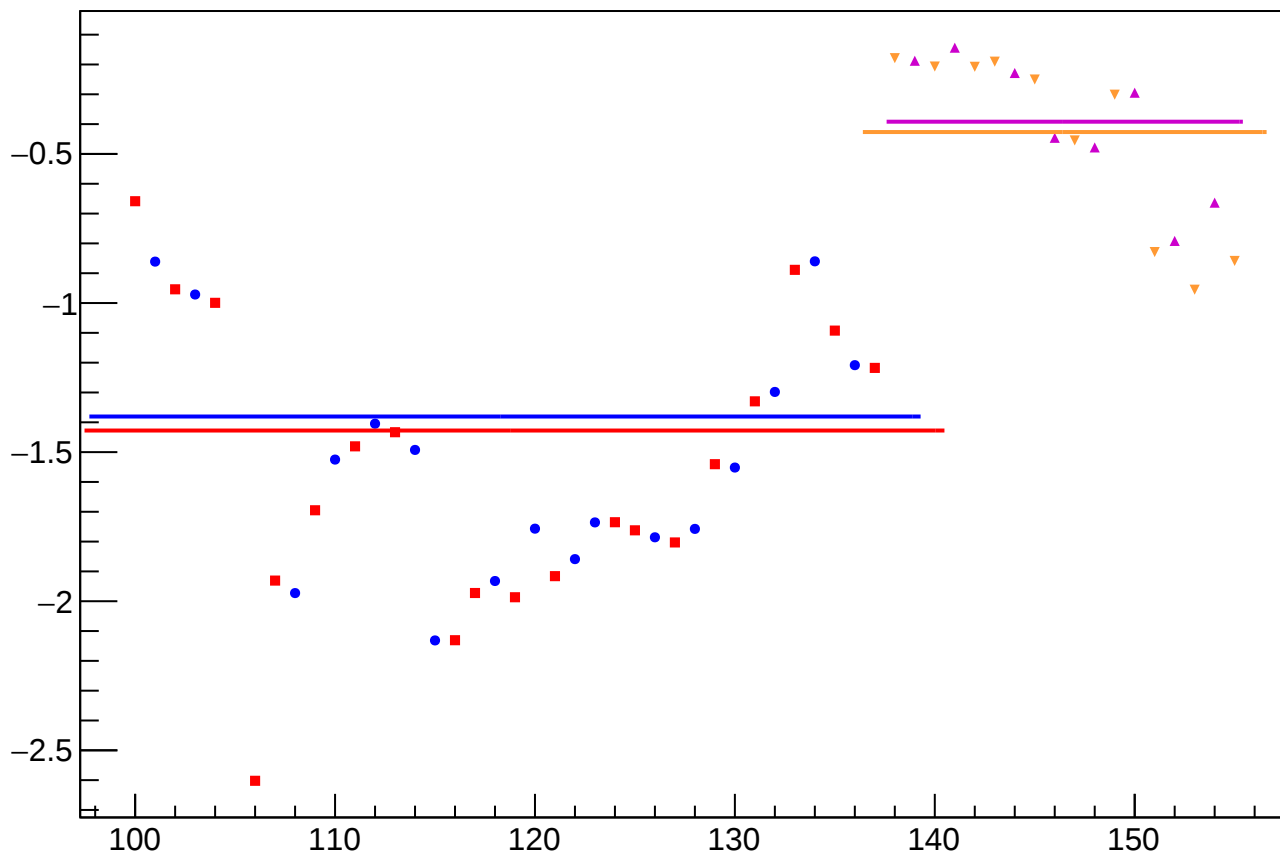
Right Out: 0.008+/-0.000 χ^2/NDF : 984811.6/19

Left In: 0.007+/-0.000 χ^2/NDF :171249.4/7

0.007+/-0.000 χ^2/NDF : 1440978.8/26

0.007+/-0.000 χ^2/NDF : 1175152.0/27

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

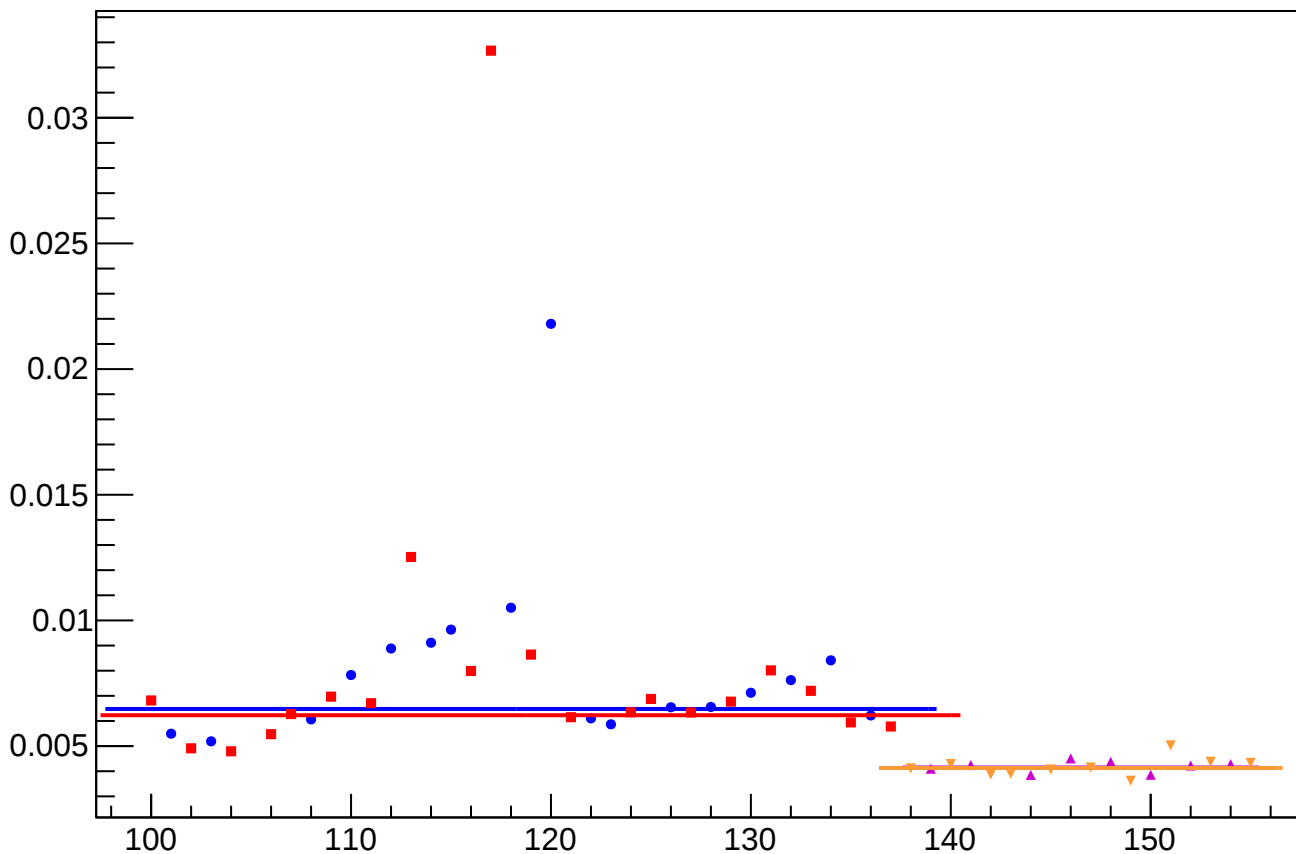
Right Out: -1.428 ± 0.000 χ^2/NDF : 29626603581.6/19

Left In: -0.392 ± 0.000 χ^2/NDF : 16229635207.7/7

-0.669 ± 0.000 χ^2/NDF : 140496585972.0/26

-0.713 ± 0.000 χ^2/NDF : 158320626250.4/27

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

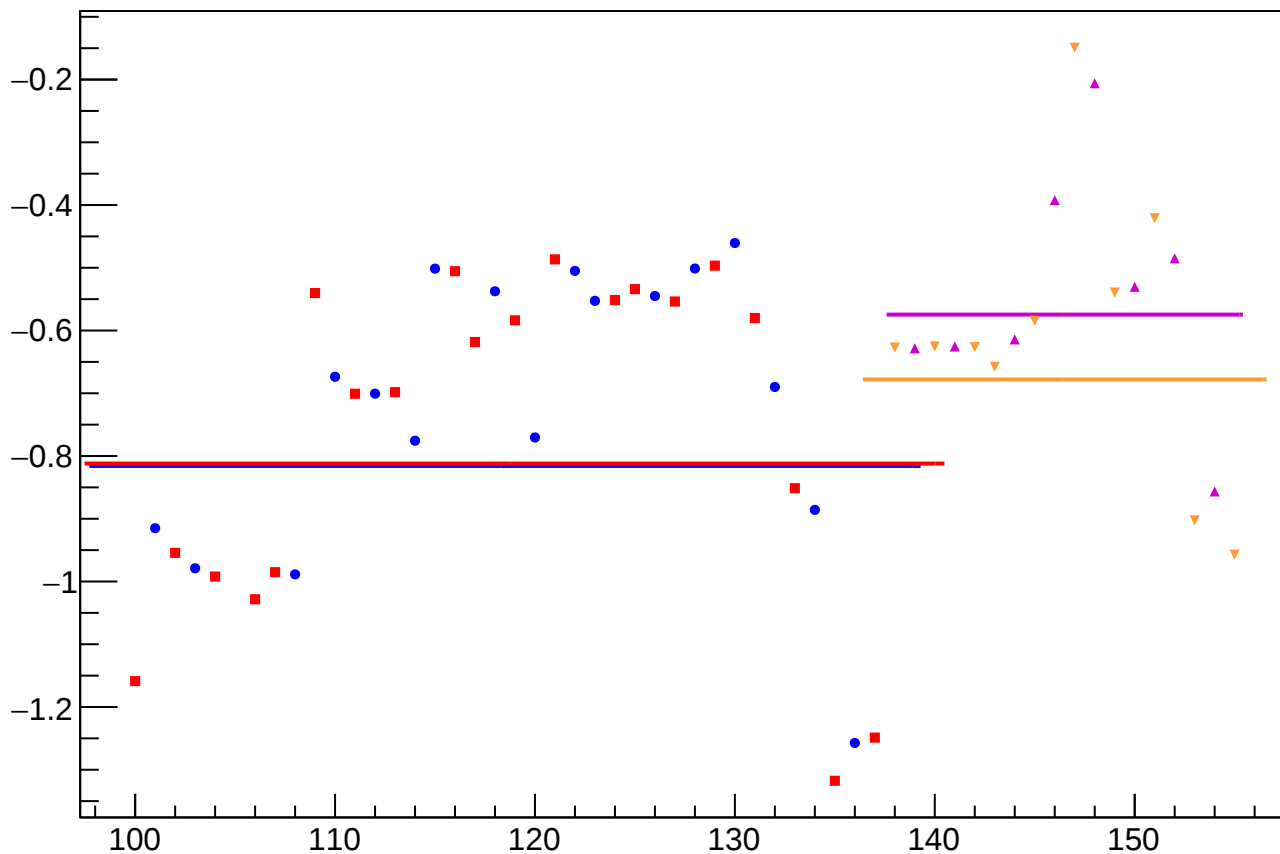
Right Out: 0.006+/-0.000 χ^2/NDF : 472534.6/19

Left In: 0.004+/-0.000 χ^2/NDF :32960.7/7

0.005+/-0.000 χ^2/NDF : 1723777.2/26

0.005+/-0.000 χ^2/NDF : 1411408.7/27

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

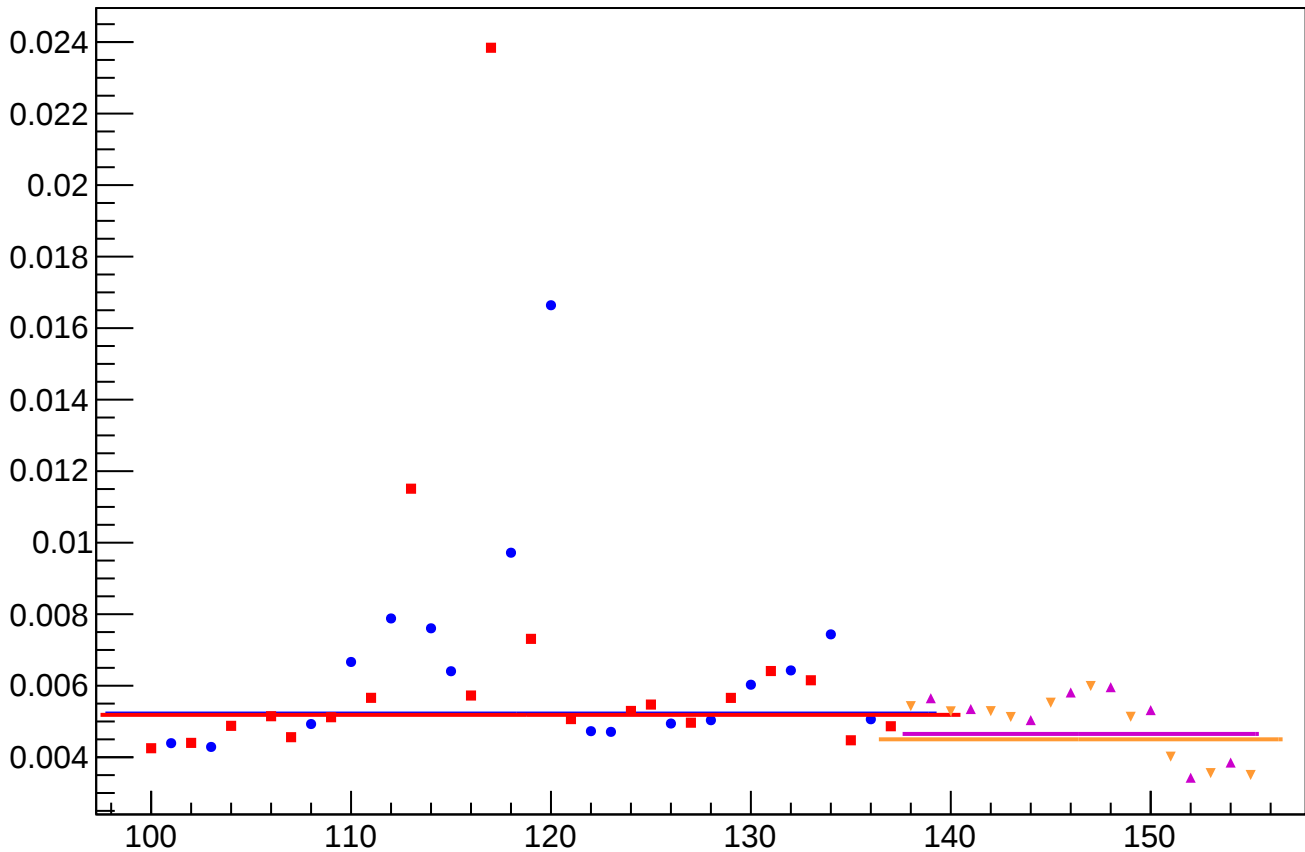
Right Out: -0.812+/-0.000 χ^2/NDF : 16818378599.3/19

Left In: -0.575+/-0.000 χ^2/NDF : 8478646309.5/7

-0.731+/-0.000 χ^2/NDF : 33321266413.9/26

-0.682+/-0.000 χ^2/NDF : 32131089980.8/27

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

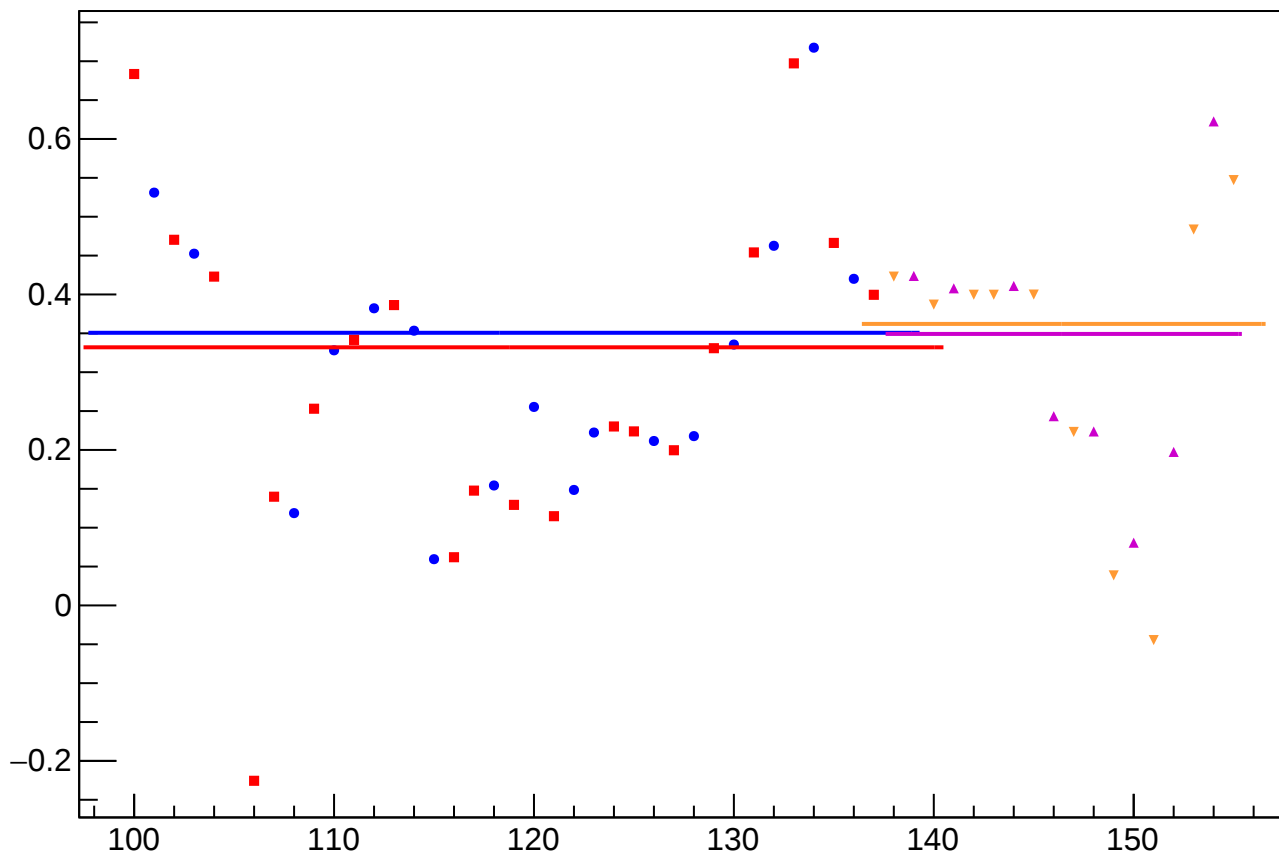
Right Out: 0.005+/-0.000 χ^2/NDF : 410640.5/19

Left In: 0.005+/-0.000 χ^2/NDF :492543.2/7

0.005+/-0.000 χ^2/NDF : 1300838.3/26

0.005+/-0.000 χ^2/NDF : 972229.5/27

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

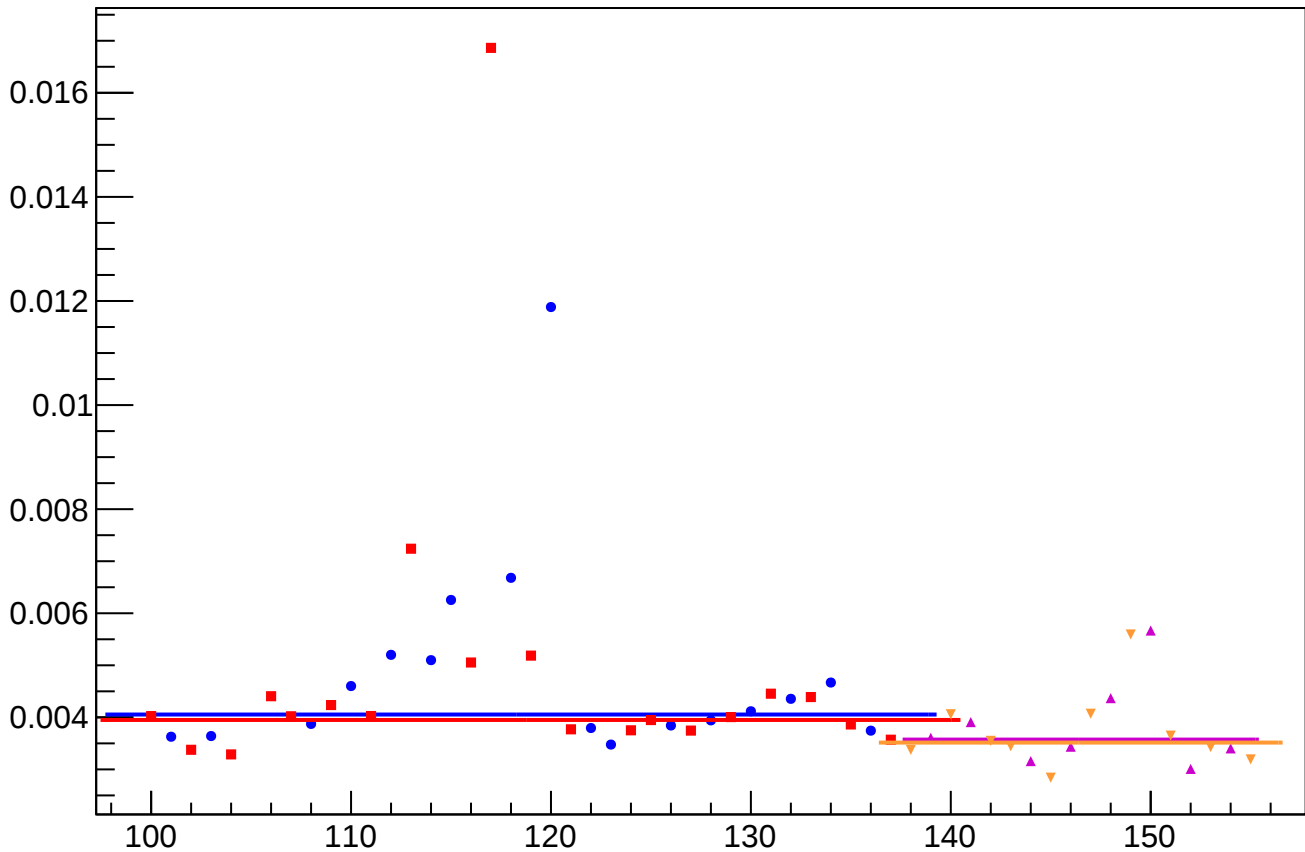
Right Out: 0.332 ± 0.000 χ^2/NDF : 11800695210.2/19

Left In: 0.349 ± 0.000 χ^2/NDF : 10425198314.8/7

0.357 ± 0.000 χ^2/NDF : 21901013301.1/26

0.341 ± 0.000 χ^2/NDF : 22286399258.1/27

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

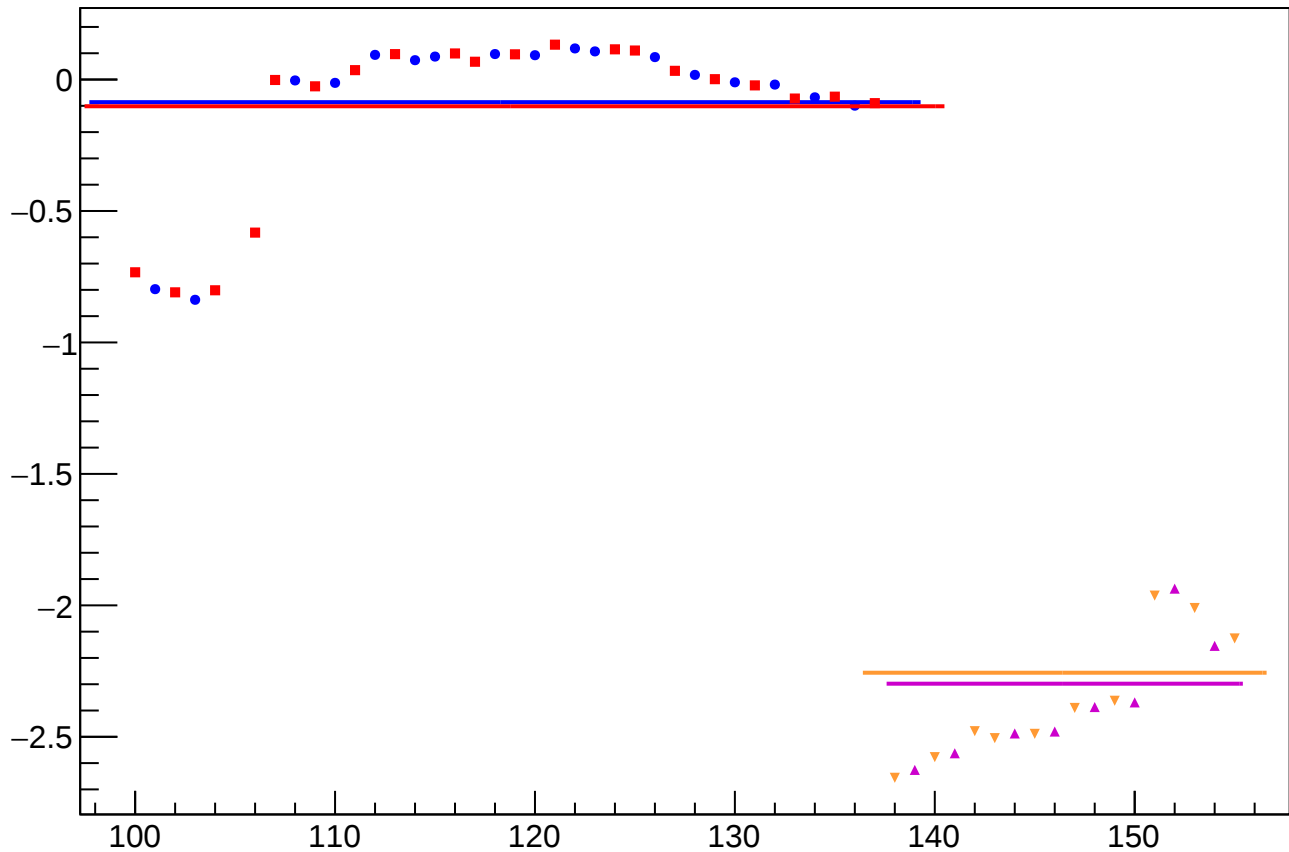
Right Out: 0.004+/-0.000 χ^2/NDF : 304954.7/19

Left In: 0.004+/-0.000 χ^2/NDF :343497.4/7

0.004+/-0.000 χ^2/NDF : 905111.0/26

0.004+/-0.000 χ^2/NDF : 706620.3/27

yield_bpm1i02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -0.102+/-0.000 χ^2/NDF : 3151771082.5/9

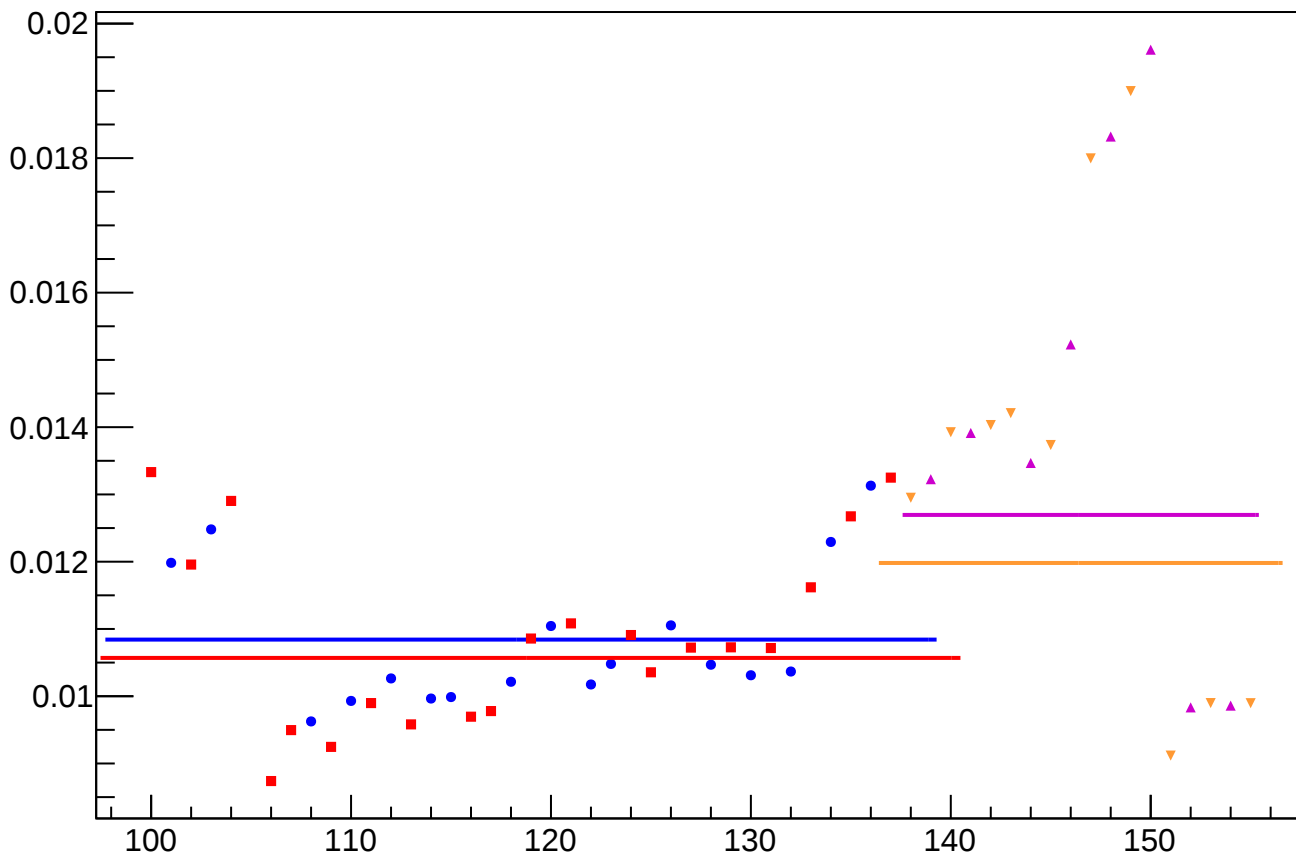
Right Out: -0.102+/-0.000 χ^2/NDF : 5566142794.2/19

Left In: -2.298+/-0.000 χ^2/NDF : 2324283675.9/7

-1.085+/-0.000 χ^2/NDF : 130545427984.8/26

-0.929+/-0.000 χ^2/NDF : 122630953198.4/27

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

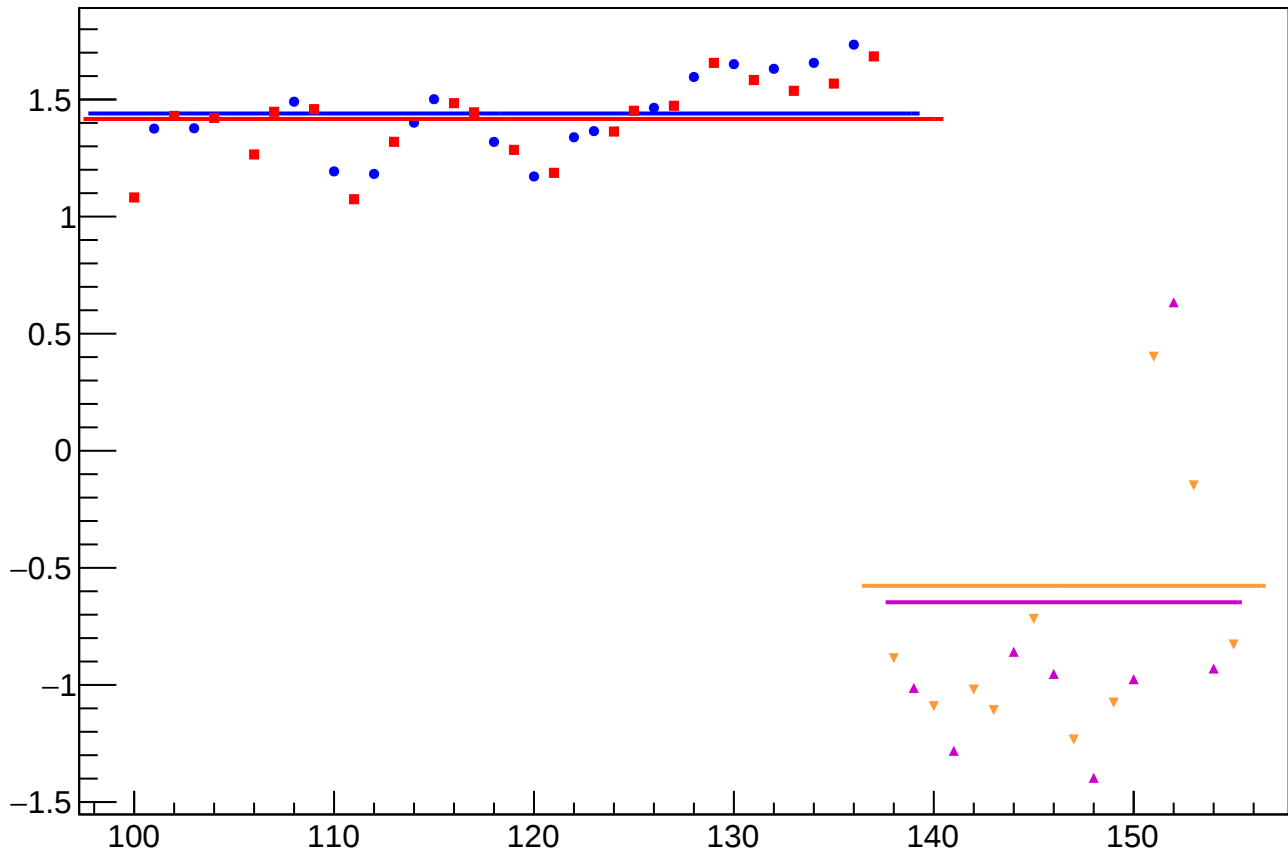
Right Out: 0.011+/-0.000 χ^2/NDF : 179537.7/19

Left In: 0.013+/-0.000 χ^2/NDF : 709216.2/7

0.011+/-0.000 χ^2/NDF : 993874.5/26

0.011+/-0.000 χ^2/NDF : 1103764.6/27

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

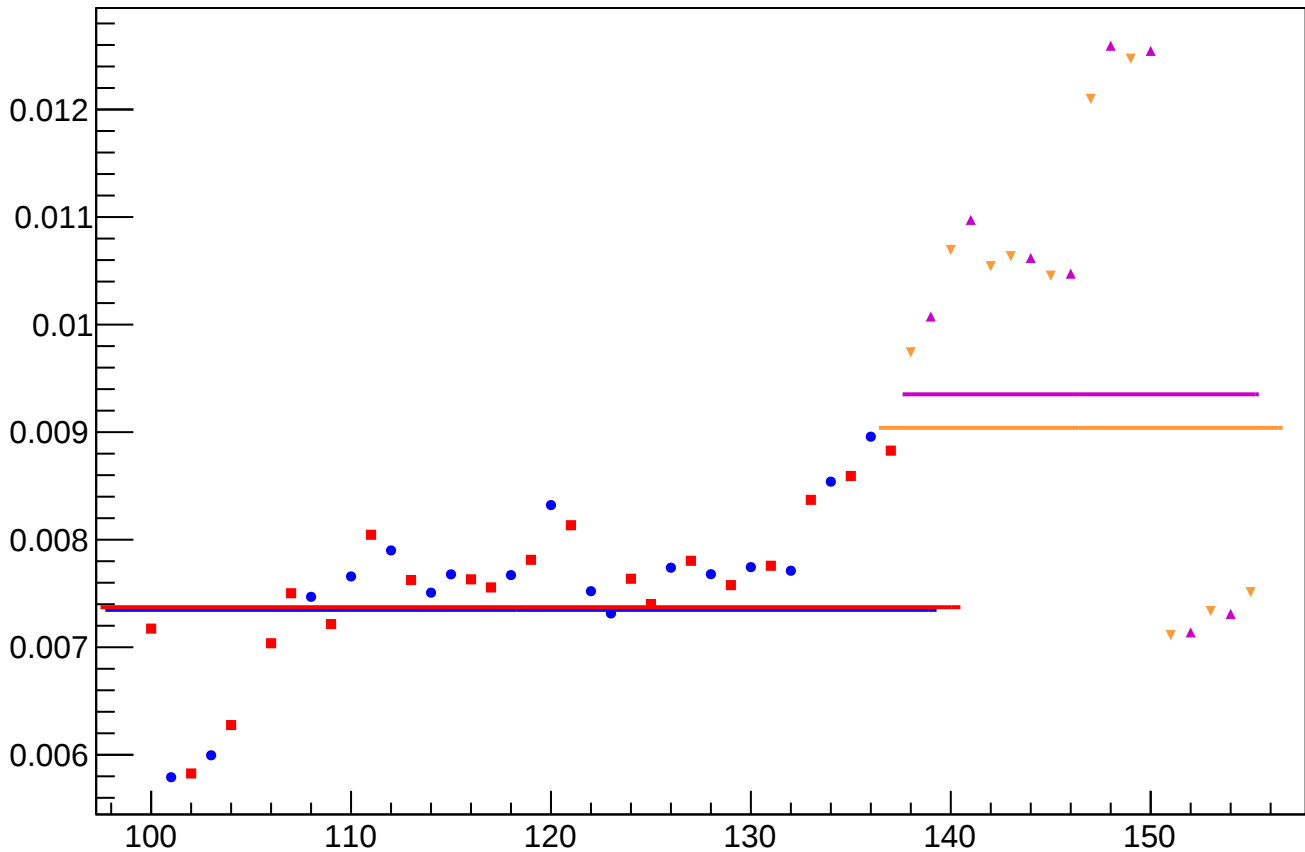
Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674679406.4/19

Left In: -0.647 $\pm$ 0.000 χ^2 /NDF: 36030618785.0/7

0.607 $\pm$ 0.000 χ^2 /NDF: 235485928512.5/26

0.687 $\pm$ 0.000 χ^2 /NDF: 234418369645.4/27

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

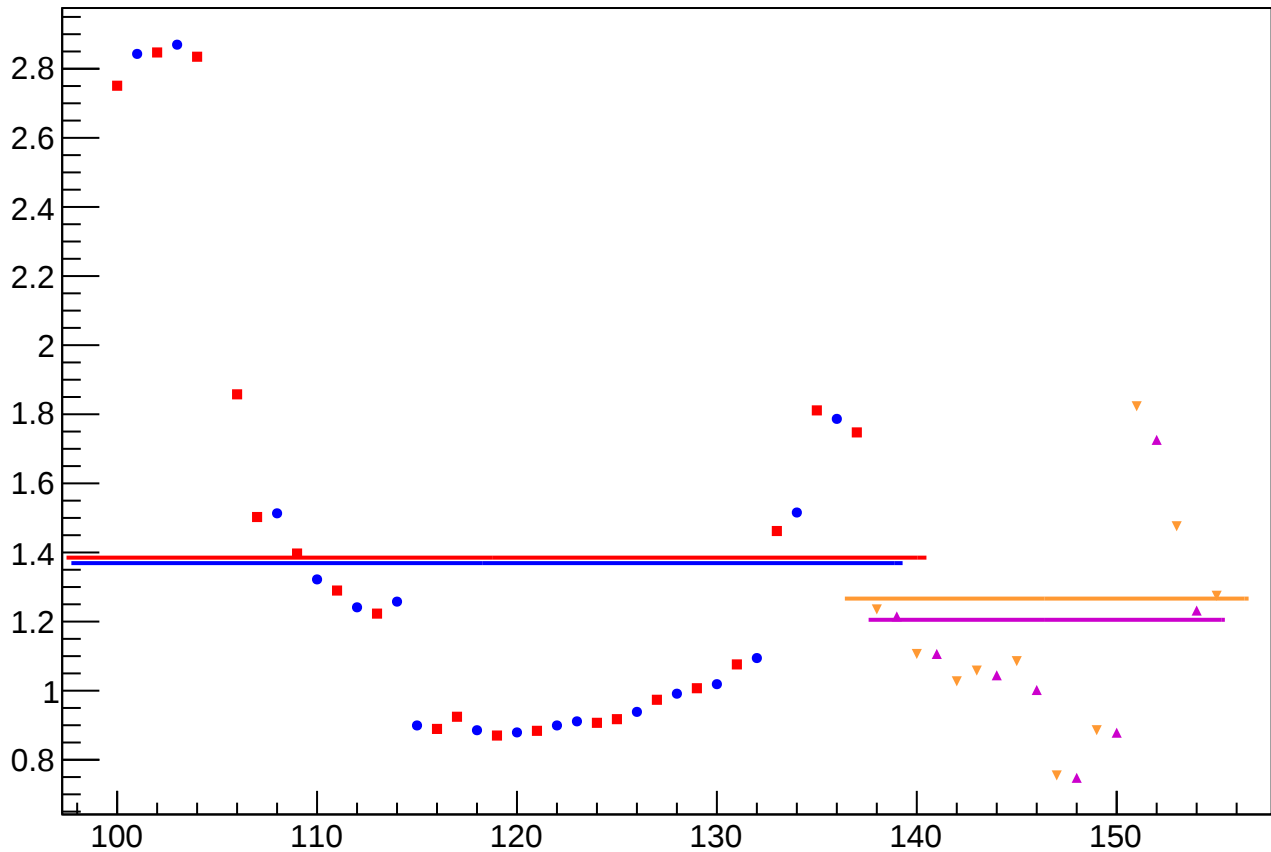
Right Out: 0.007+/-0.000 χ^2/NDF : 172741.0/19

Left In: 0.009+/-0.000 χ^2/NDF : 594781.3/7

0.008+/-0.000 χ^2/NDF : 1123623.5/26

0.008+/-0.000 χ^2/NDF : 1127588.0/27

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

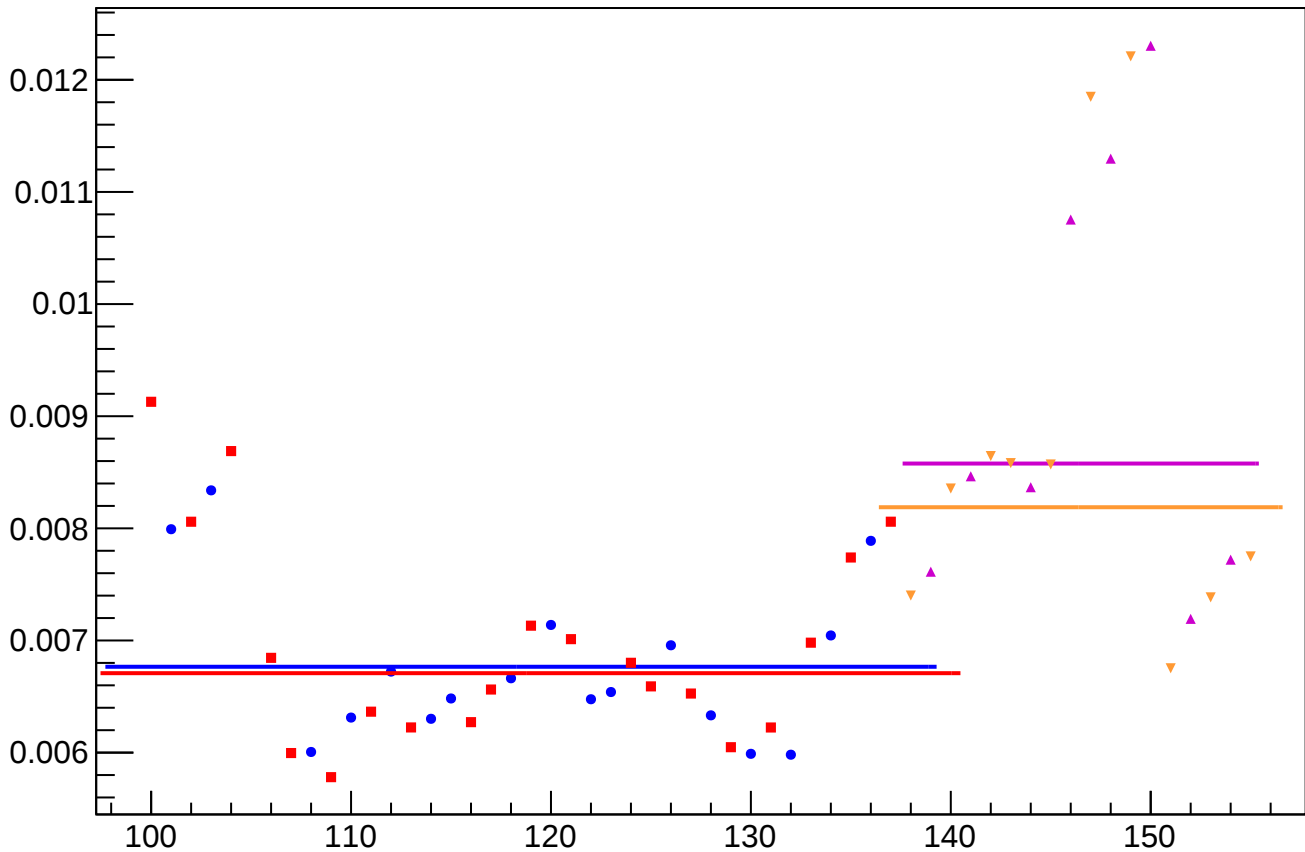
1.327+/-0.000 χ^2/NDF : 63532334556.8/26

Right Out: 1.385+/-0.000 χ^2/NDF : 50114562617.6/19

1.323+/-0.000 χ^2/NDF : 58664021747.5/27

Left In: 1.205+/-0.000 χ^2/NDF : 6800344875.7/7

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

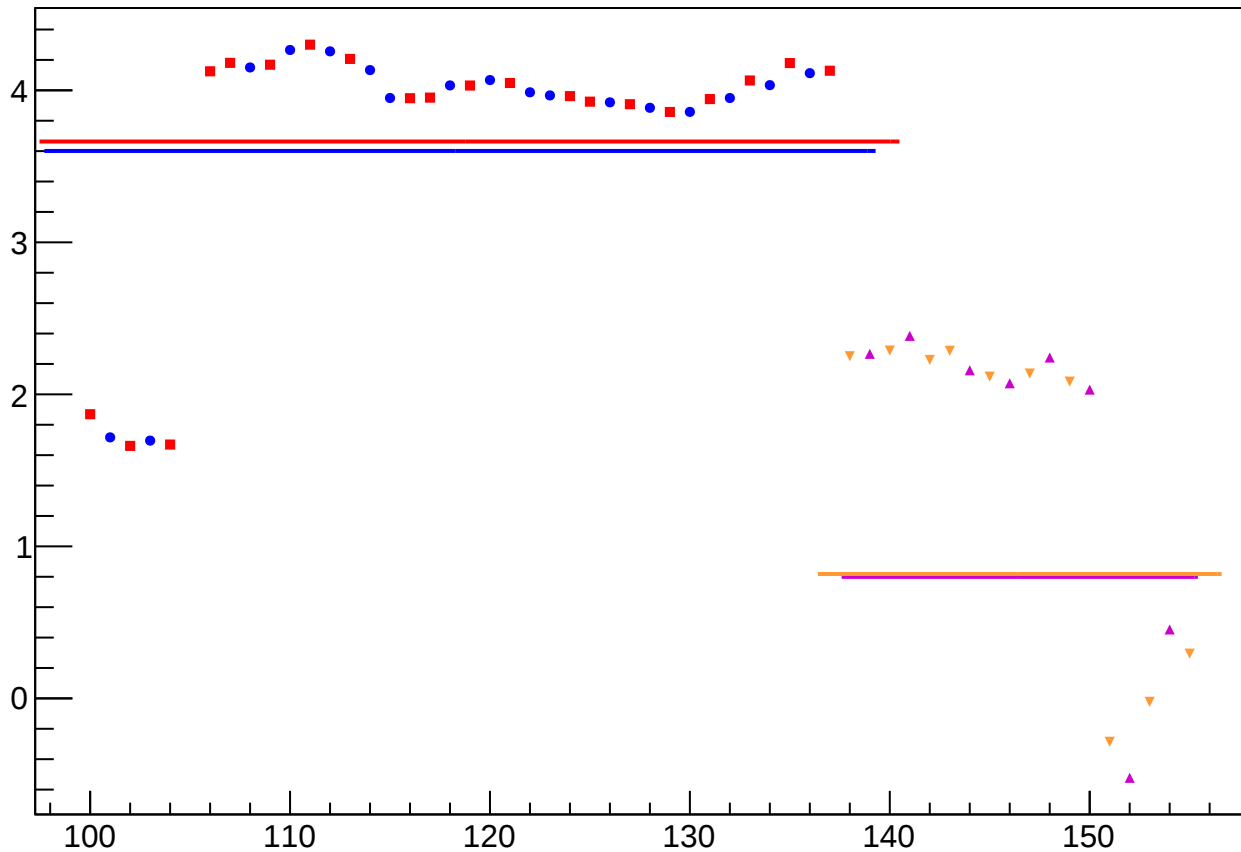
Right Out: 0.007+/-0.000 χ^2/NDF : 187869.7/19

Left In: 0.009+/-0.000 χ^2/NDF : 397105.3/7

0.007+/-0.000 χ^2/NDF : 805115.0/26

0.007+/-0.000 χ^2/NDF : 962664.0/27

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

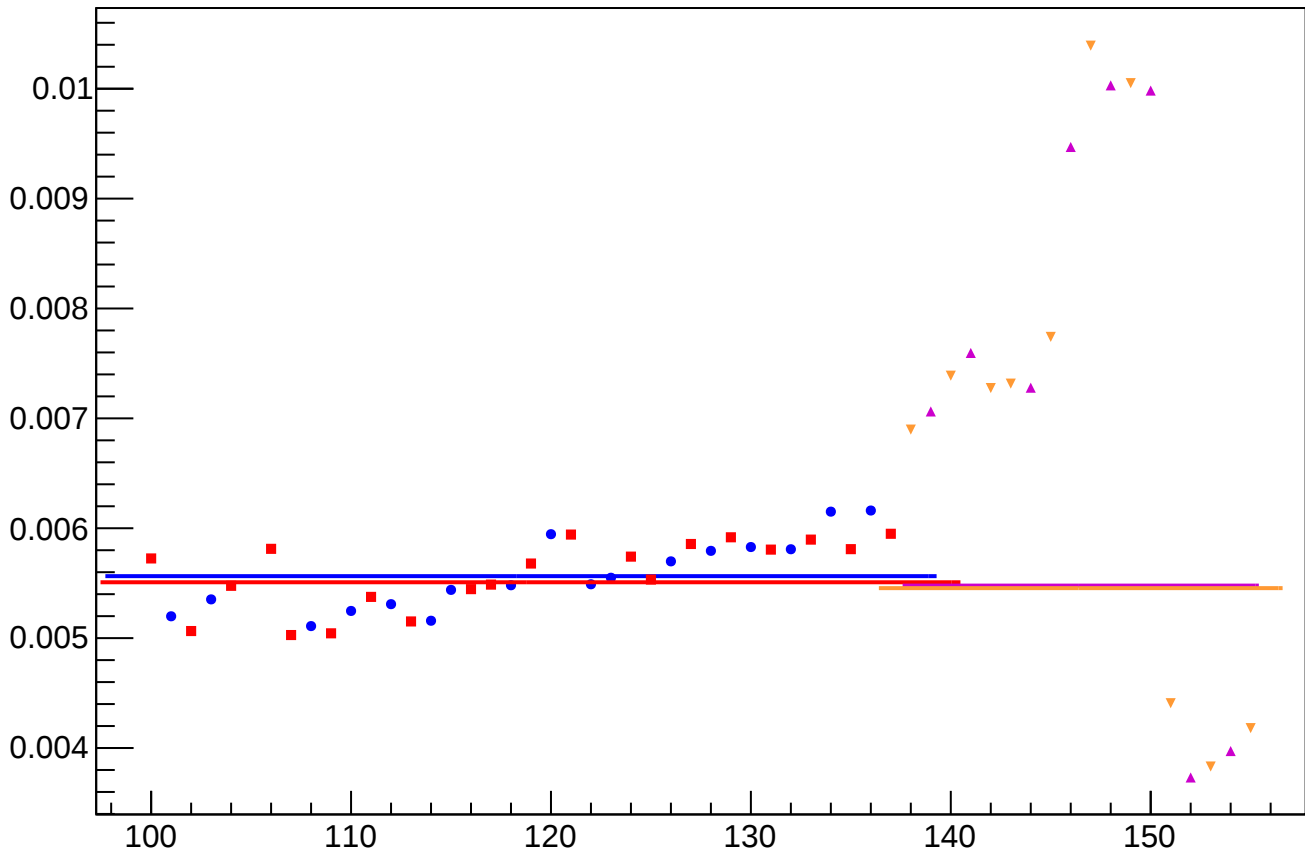
2.243+/-0.000 χ^2/NDF : 1238625570984.7/26

Right Out: 3.663+/-0.000 χ^2/NDF : 192640409625.9/19

2.421+/-0.000 χ^2/NDF : 1254312892084.7/27

Left In: 0.799+/-0.000 χ^2/NDF : 241096647087.2/7

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

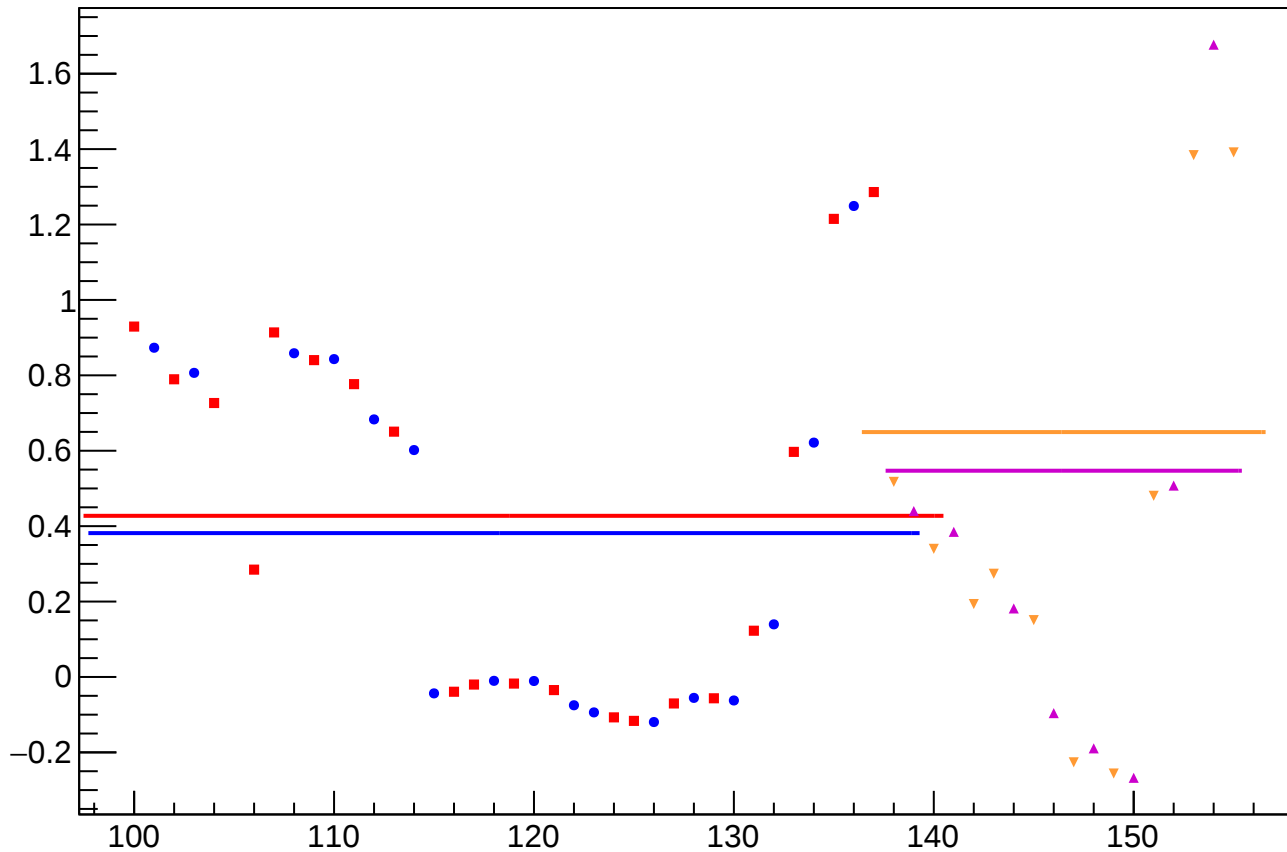
Right Out: 0.006+/-0.000 χ^2/NDF : 52636.1/19

Left In: 0.005+/-0.000 χ^2/NDF :1753090.1/7

0.006+/-0.000 χ^2/NDF : 1586704.4/26

0.005+/-0.000 χ^2/NDF : 1805910.2/27

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

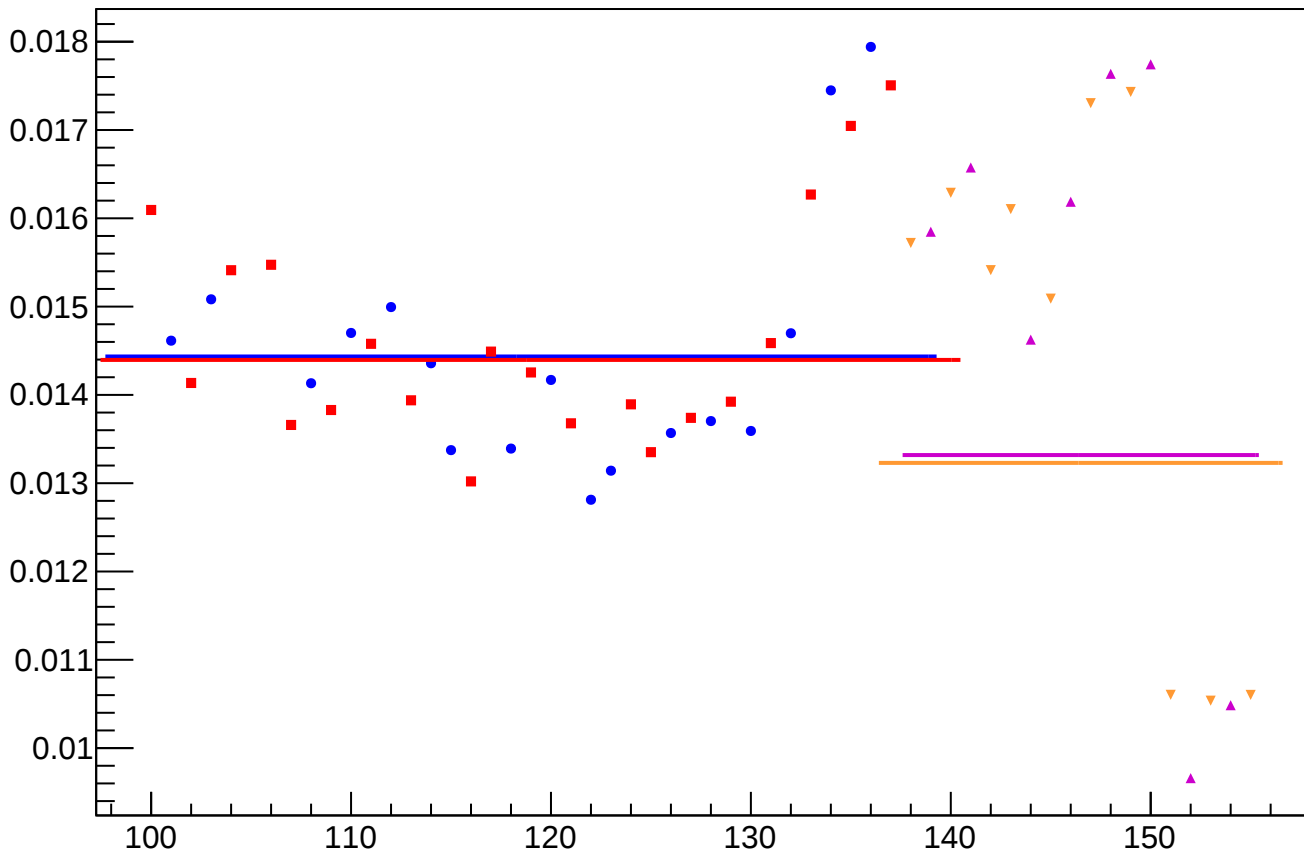
Right Out: 0.427+/-0.000 χ^2/NDF : 6716521382.4/19

Left In: 0.547+/-0.000 χ^2/NDF :14800808505.2/7

0.530+/-0.000 χ^2/NDF : 22291133863.4/26

0.488+/-0.000 χ^2/NDF : 21760799798.7/27

yield_bpm1i06X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 110224.4/16

Left Out: 0.013 $\pm$ 0.000 χ^2/NDF : 643061.3/9

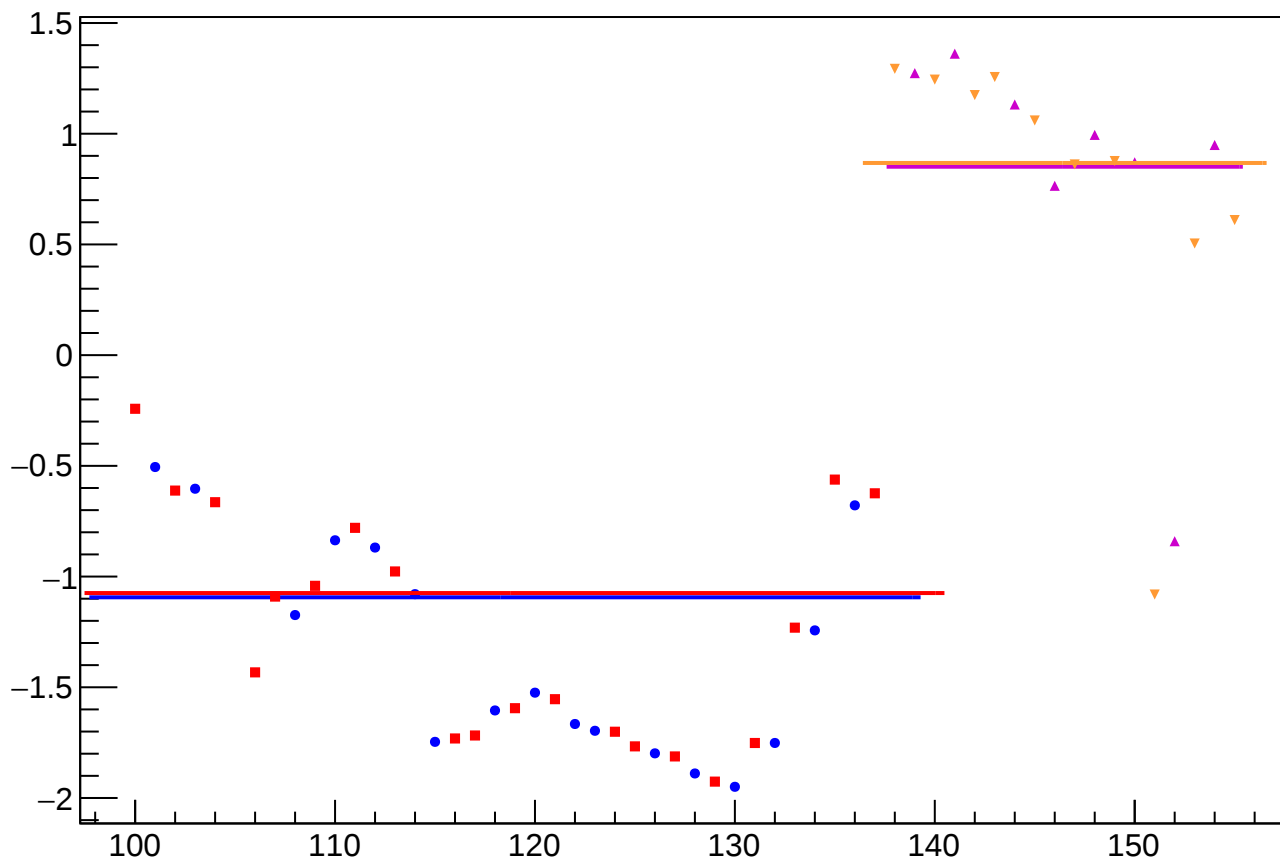
Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 74535.1/19

Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 720662.9/7

0.014 $\pm$ 0.000 χ^2/NDF : 804436.2/26

0.014 $\pm$ 0.000 χ^2/NDF : 834710.5/27

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

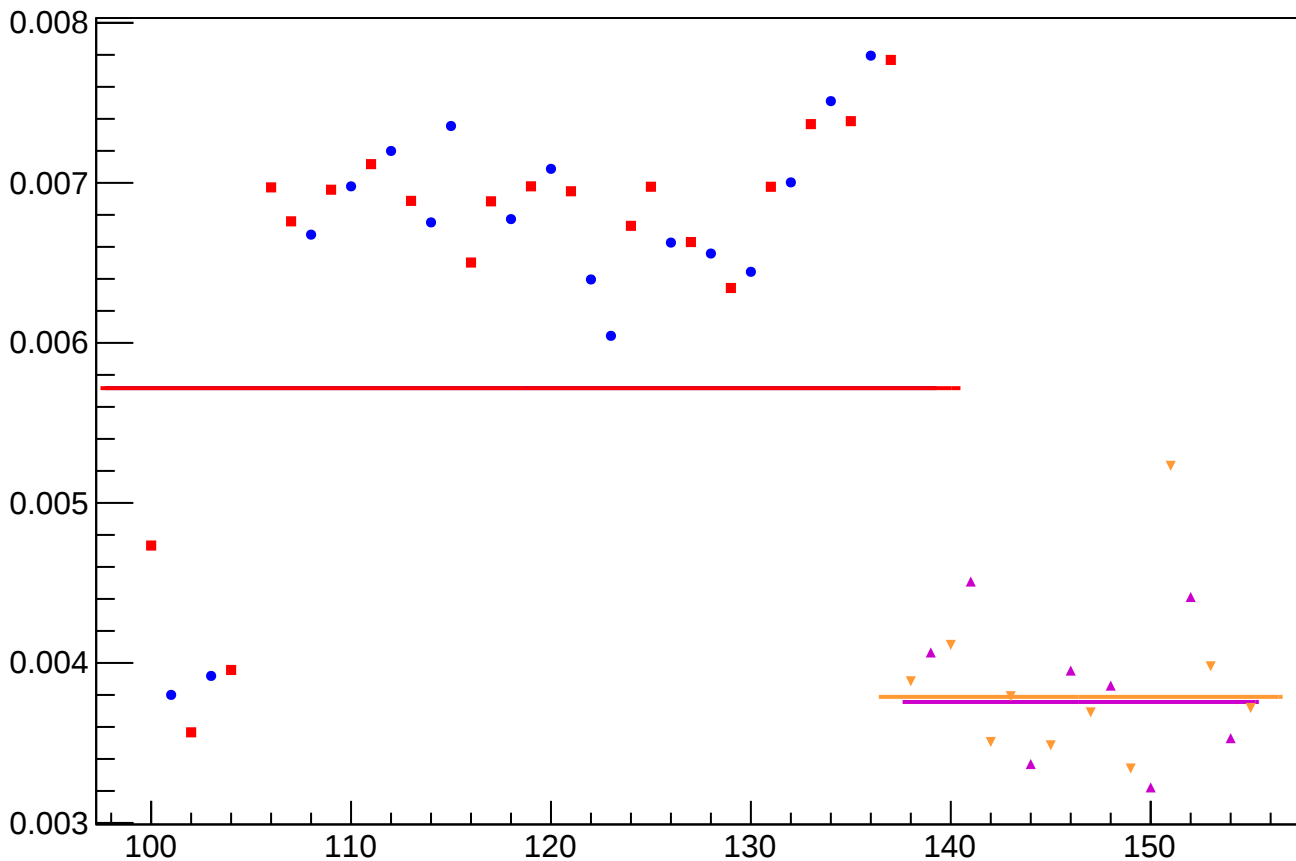
Right Out: -1.074 ± 0.000 χ^2/NDF : 47208439320.8/19

Left In: 0.851 ± 0.000 χ^2/NDF : 138440350291.5/7

0.303 ± 0.000 χ^2/NDF : 673857500824.4/26

0.237 ± 0.000 χ^2/NDF : 664393570718.8/27

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

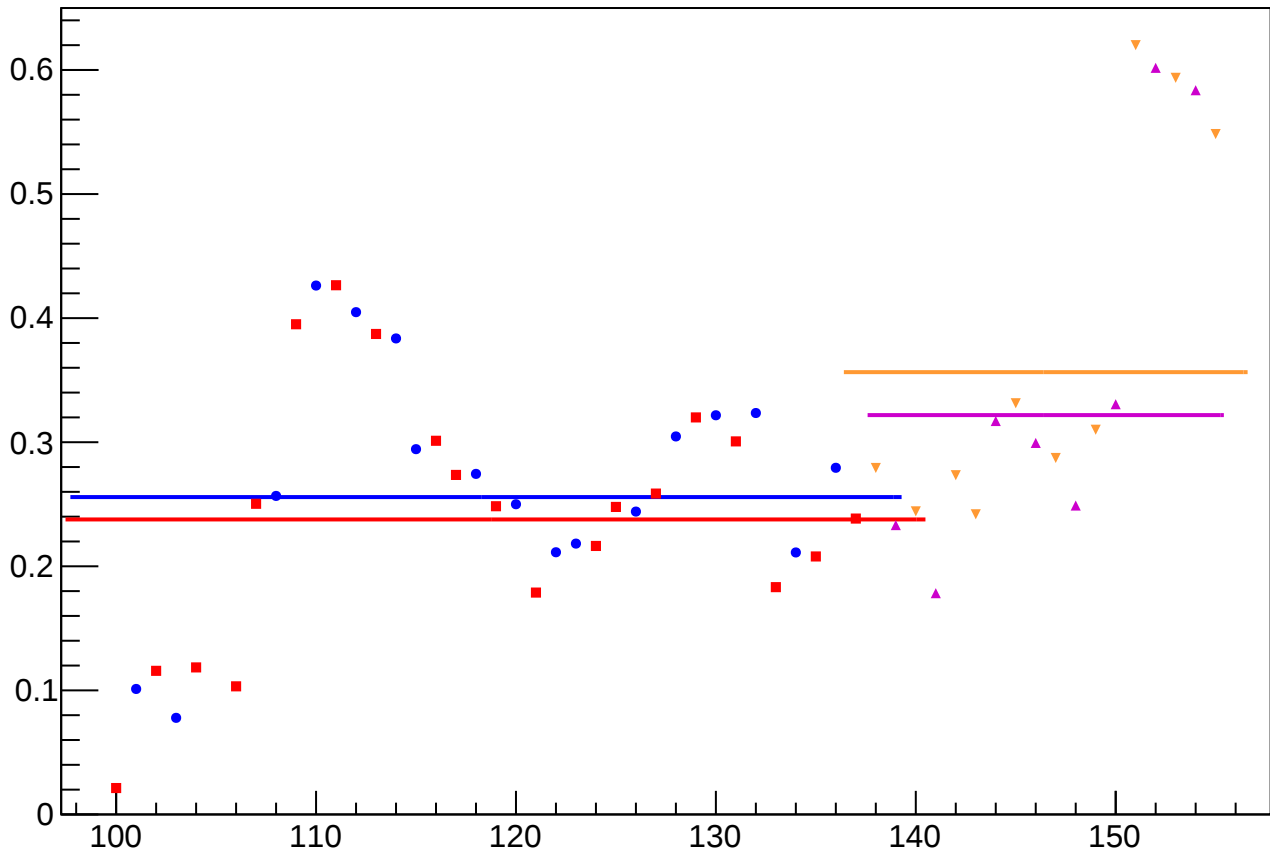
Right Out: 0.006+/-0.000 χ^2/NDF : 925957.4/19

Left In: 0.004+/-0.000 χ^2/NDF :158157.4/7

0.004+/-0.000 χ^2/NDF : 1947606.3/26

0.004+/-0.000 χ^2/NDF : 2077425.0/27

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

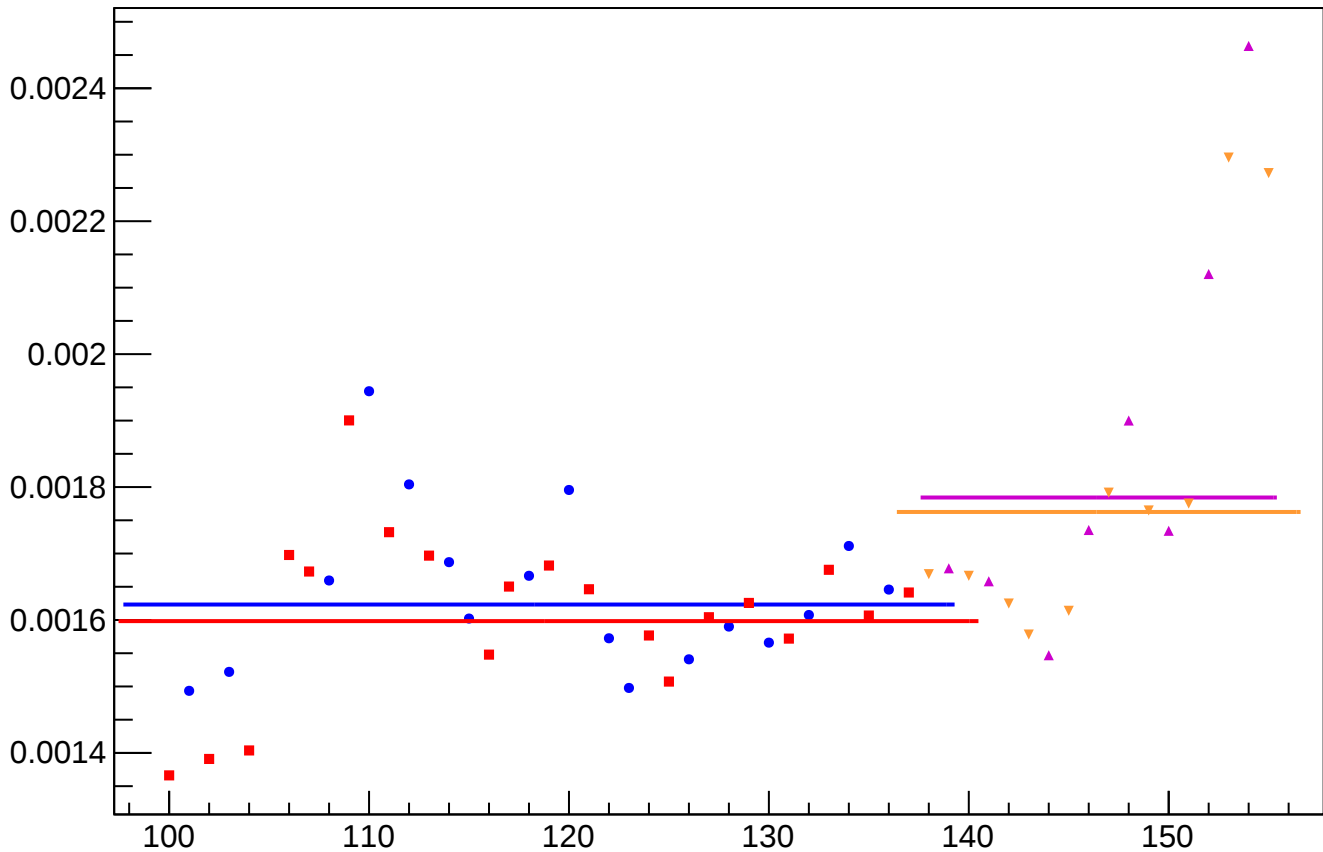
Right Out: 0.238 ± 0.000 χ^2/NDF : 26077768189.7/19

Left In: 0.322 ± 0.000 χ^2/NDF : 32647143133.1/7

0.305 ± 0.000 χ^2/NDF : 76569839457.2/26

0.273 ± 0.000 χ^2/NDF : 66819104950.1/27

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

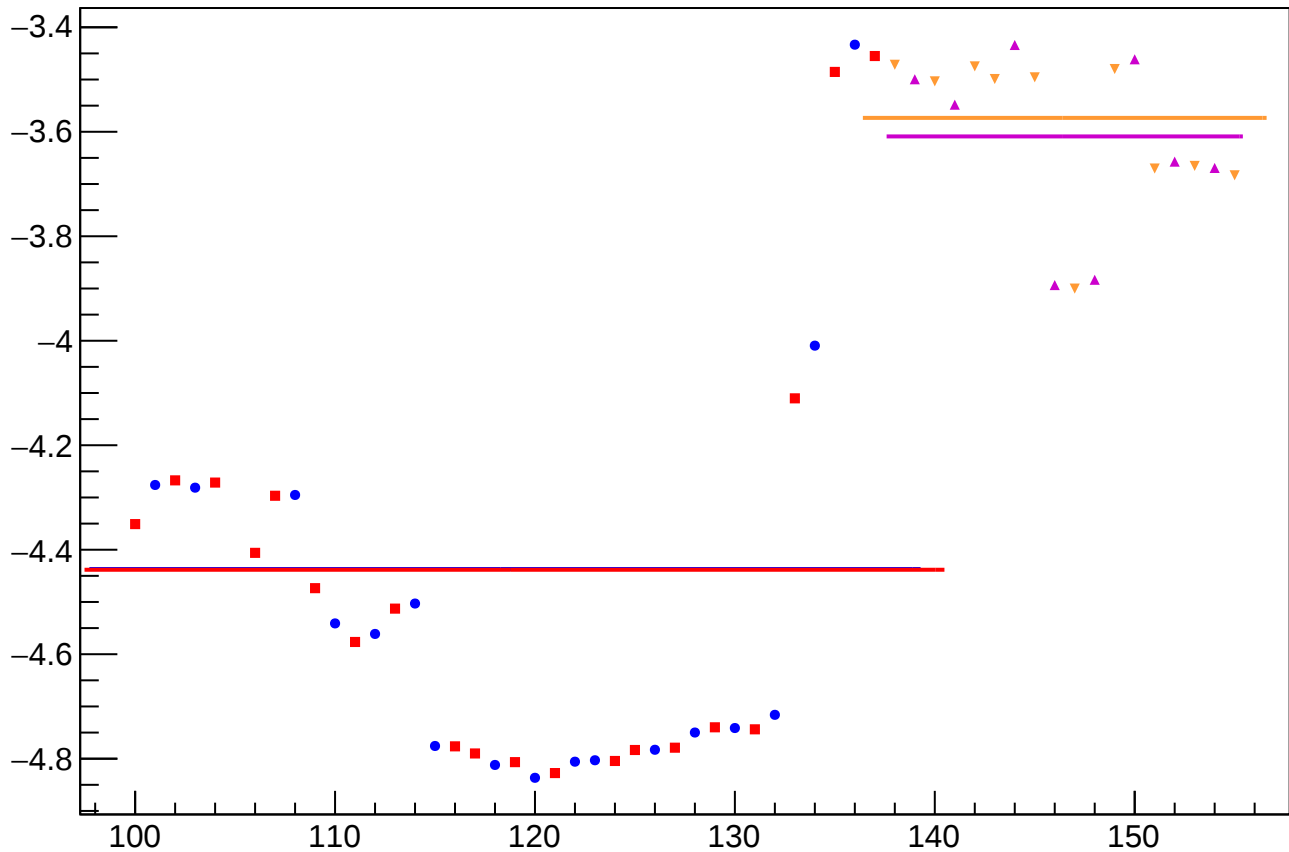
Right Out: 0.002+/-0.000 χ^2/NDF : 90764.4/19

Left In: 0.002+/-0.000 χ^2/NDF : 229284.6/7

0.002+/-0.000 χ^2/NDF : 308941.1/26

0.002+/-0.000 χ^2/NDF : 399198.2/27

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

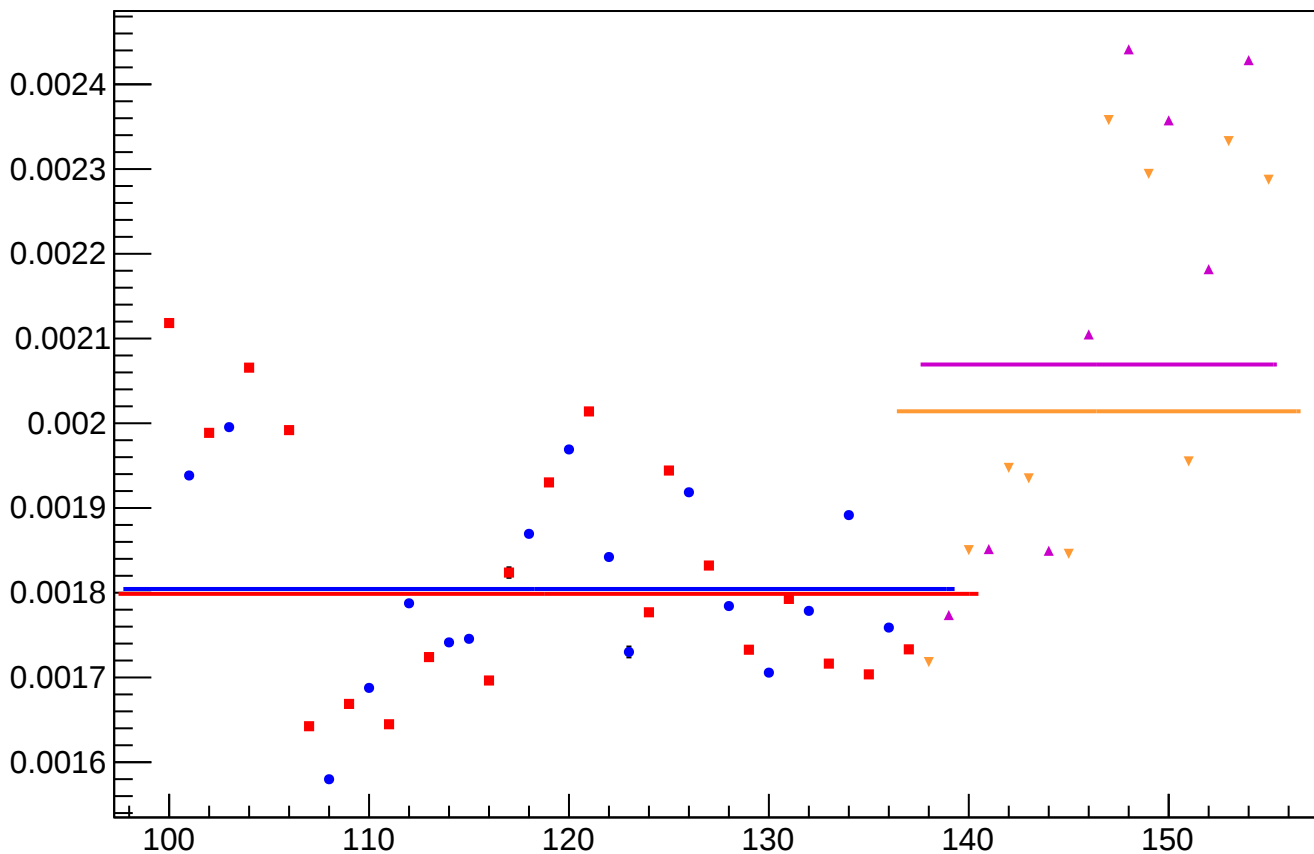
-4.035+/-0.000 χ^2/NDF : 1113774264450.7/26

Right Out: -4.438+/-0.000 χ^2/NDF : 326800745779.7/19

-4.101+/-0.000 χ^2/NDF : 964273707804.1/27

Left In: -3.609+/-0.000 χ^2/NDF : 39283840649.4/7

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

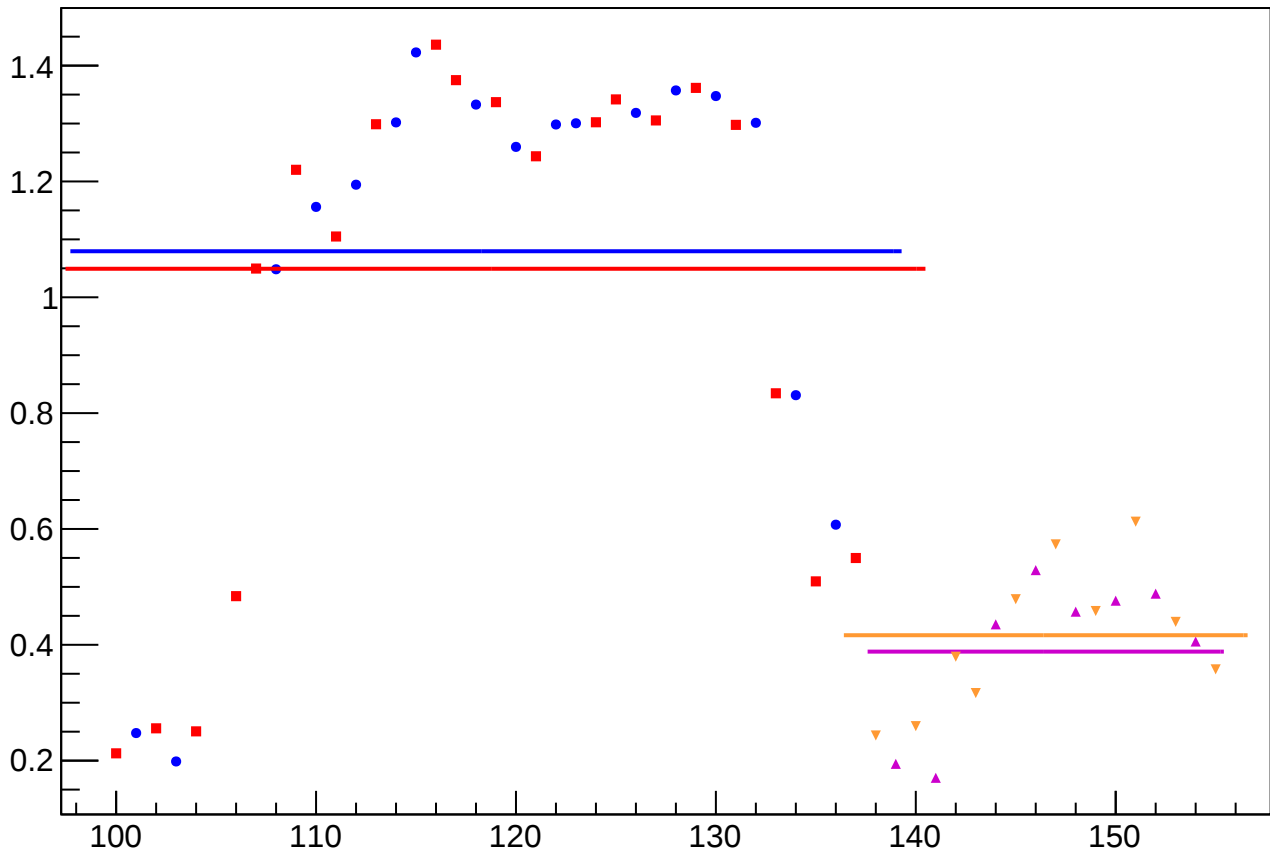
Right Out: 0.002+/-0.000 χ^2/NDF : 81037.5/19

Left In: 0.002+/-0.000 χ^2/NDF :186419.2/7

0.002+/-0.000 χ^2/NDF : 307610.6/26

0.002+/-0.000 χ^2/NDF : 394856.8/27

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

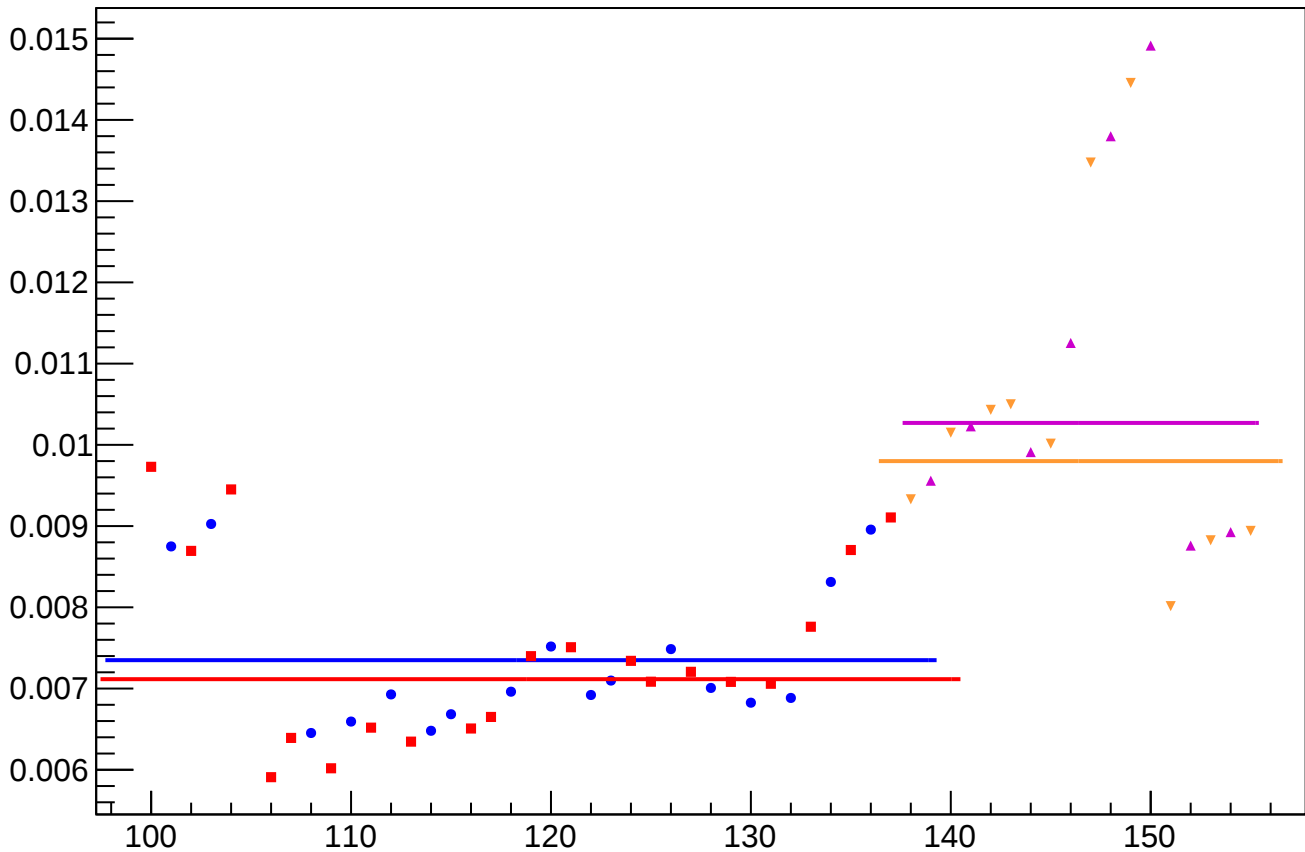
0.829 $\pm$ 0.000 χ^2 /NDF: 38980089509.4/26

Right Out: 1.049 $\pm$ 0.000 χ^2 /NDF: 19787986428.4/19

0.850 $\pm$ 0.000 χ^2 /NDF: 39015799952.9/27

Left In: 0.388 $\pm$ 0.000 χ^2 /NDF:966091221.8/7

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

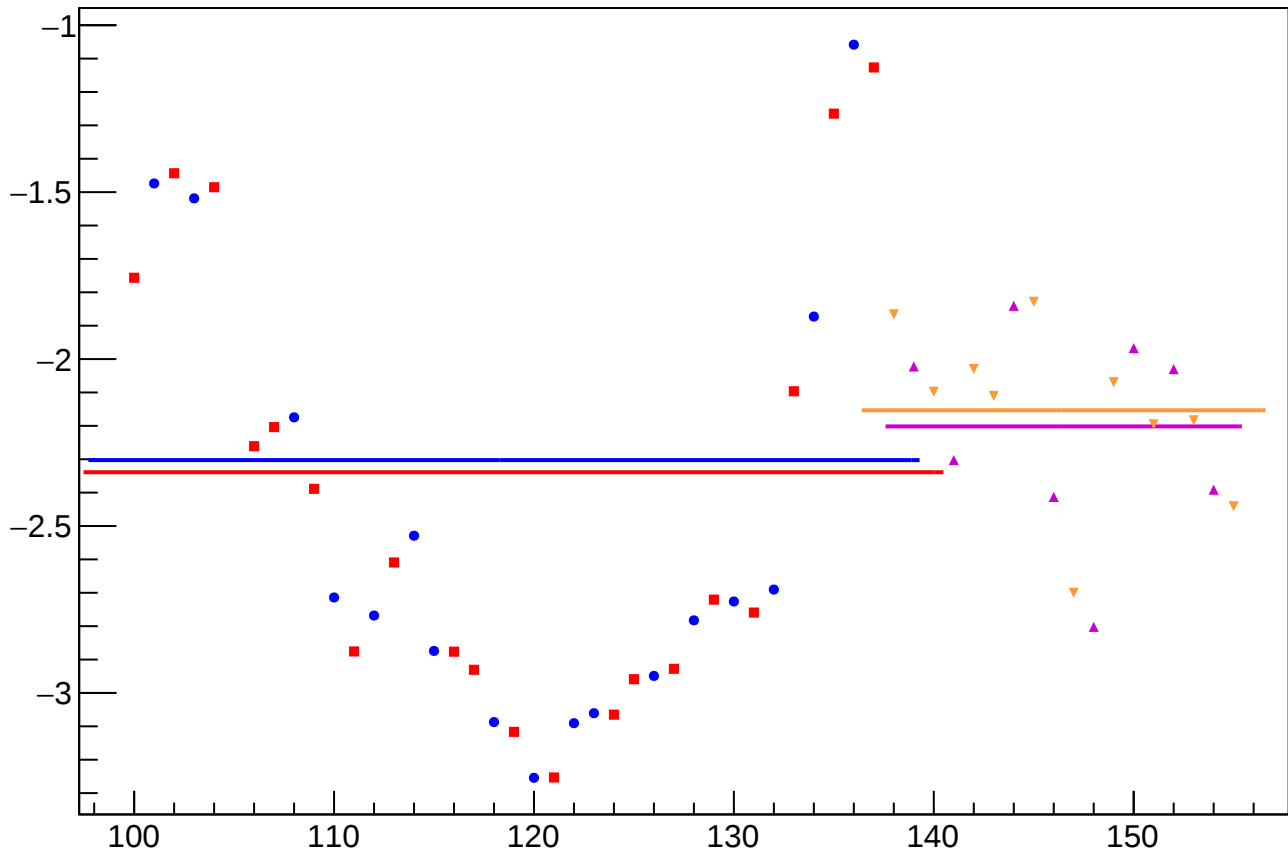
Right Out: 0.007+/-0.000 χ^2/NDF : 259539.3/19

Left In: 0.010+/-0.000 χ^2/NDF : 380805.2/7

0.008+/-0.000 χ^2/NDF : 1144720.4/26

0.008+/-0.000 χ^2/NDF : 1472119.0/27

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

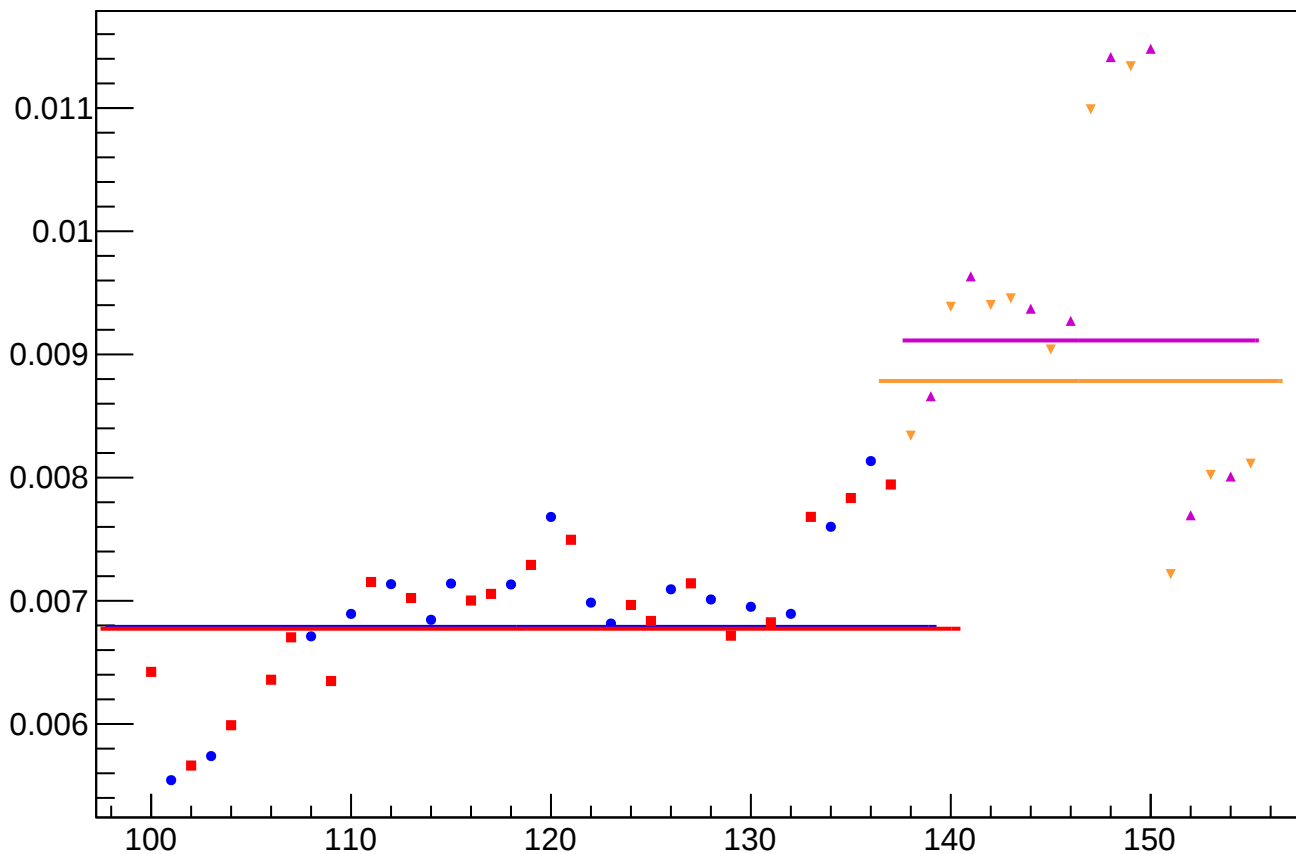
-2.244 ± 0.000 χ^2/NDF : 80009171907.6/26

Right Out: -2.339 ± 0.000 χ^2/NDF : 64804828308.5/19

-2.293 ± 0.000 χ^2/NDF : 71310914783.8/27

Left In: -2.202 ± 0.000 χ^2/NDF : 5536669247.1/7

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

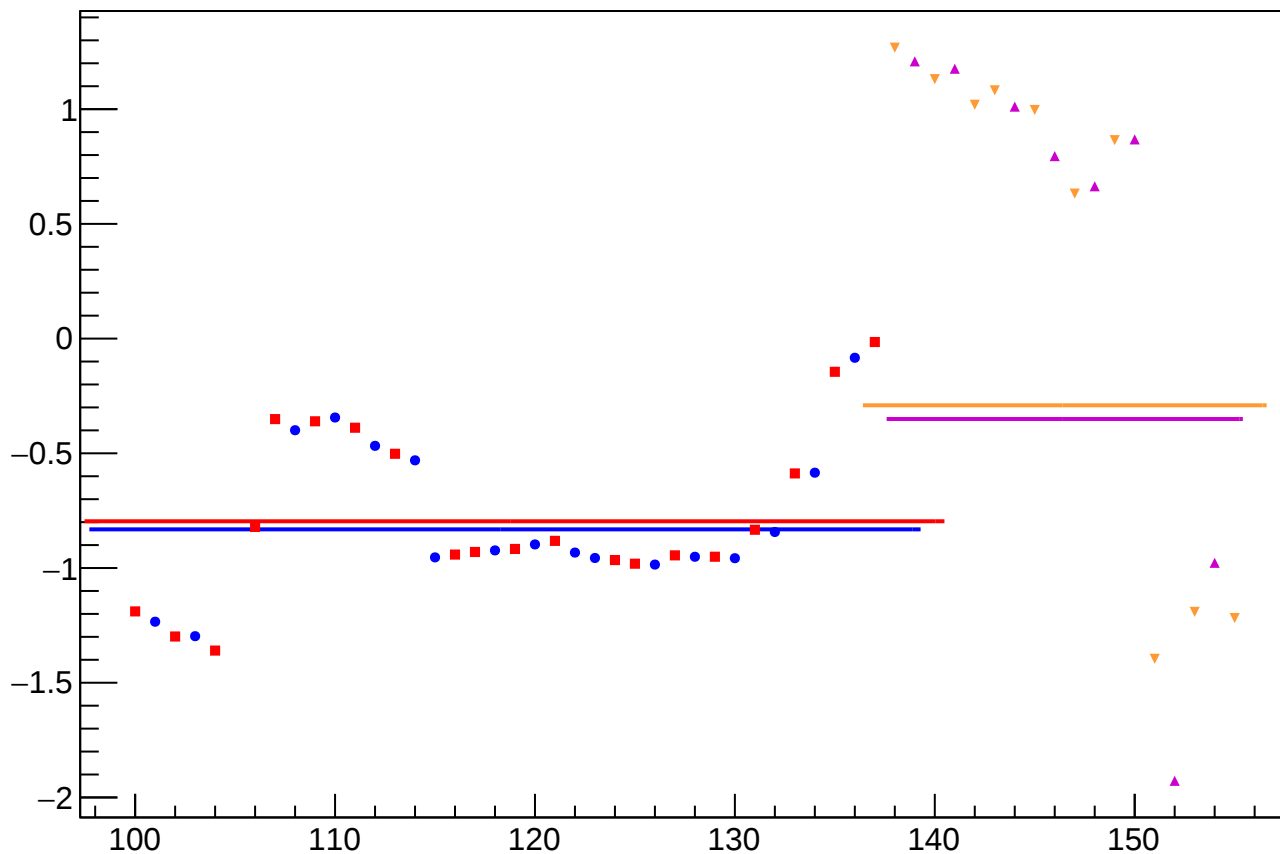
Right Out: 0.007+/-0.000 χ^2/NDF : 123383.6/19

Left In: 0.009+/-0.000 χ^2/NDF :237184.8/7

0.008+/-0.000 χ^2/NDF : 883663.3/26

0.008+/-0.000 χ^2/NDF : 924166.7/27

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

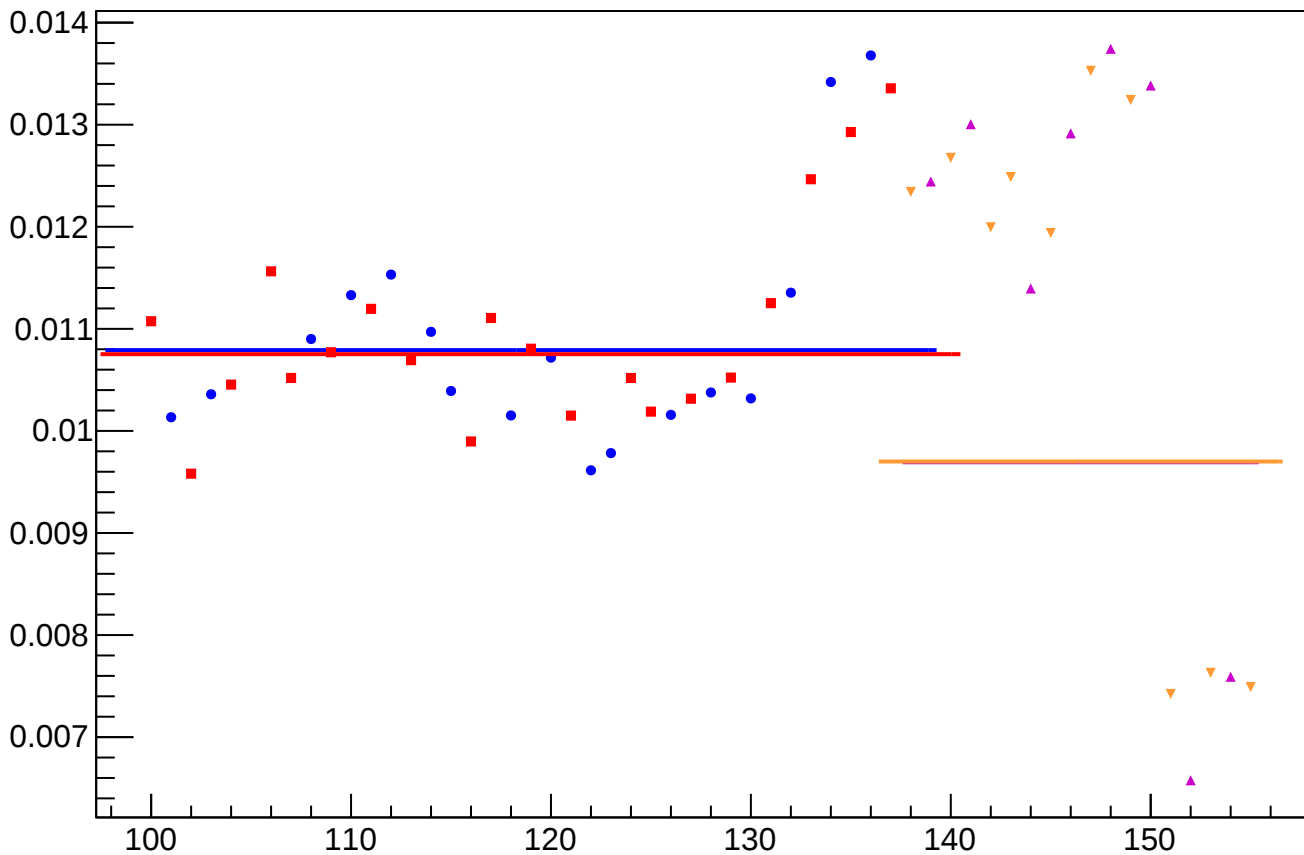
Right Out: -0.796 ± 0.000 χ^2/NDF : 7827622544.3/19

Left In: -0.350 ± 0.000 χ^2/NDF : 103488899941.0/7

-0.530 ± 0.000 χ^2/NDF : 107545483422.5/26

-0.569 ± 0.000 χ^2/NDF : 117391695762.4/27

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

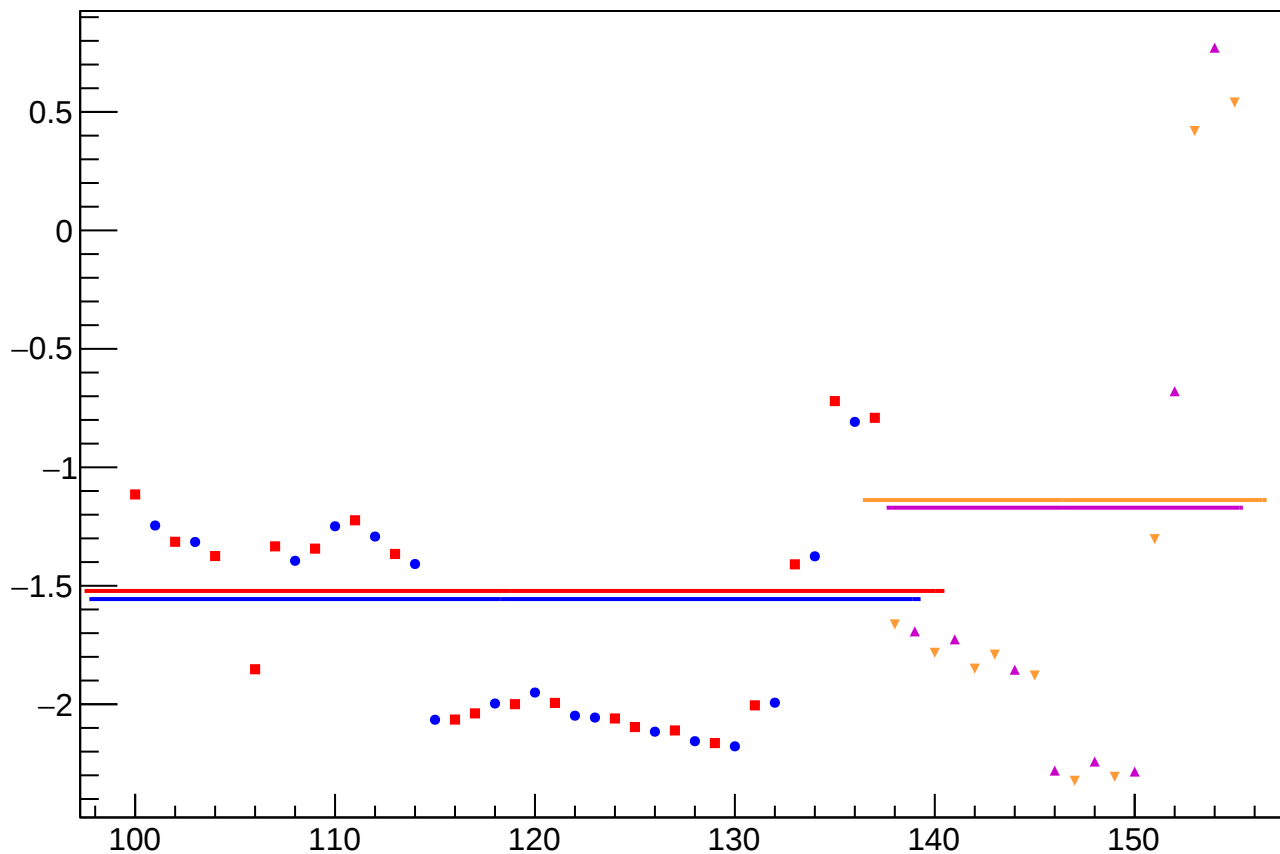
Right Out: 0.011+/-0.000 χ^2/NDF : 90303.3/19

Left In: 0.010+/-0.000 χ^2/NDF : 1060748.4/7

0.010+/-0.000 χ^2/NDF : 1124688.9/26

0.010+/-0.000 χ^2/NDF : 1219612.0/27

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

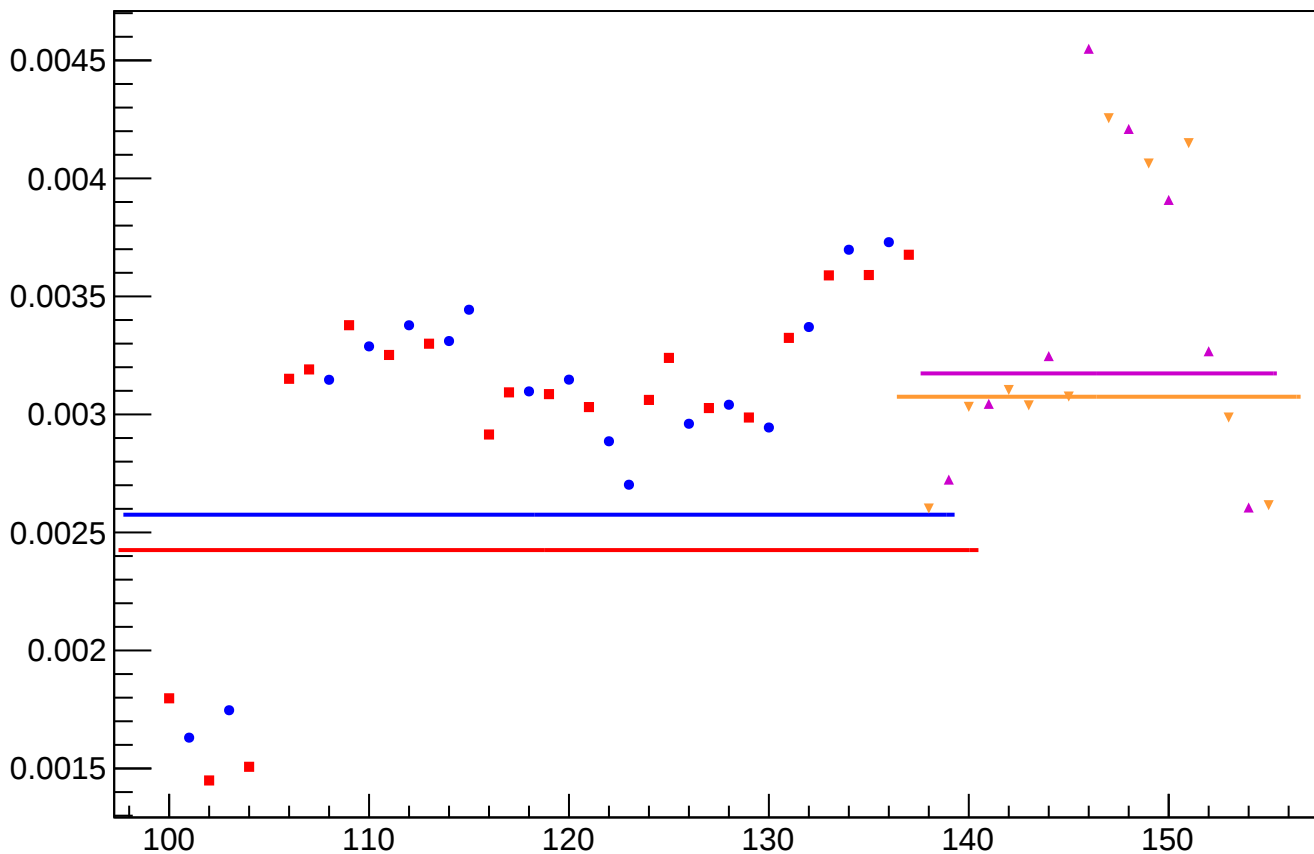
Right Out: -1.522+/-0.000 χ^2/NDF : 139385229659.4/19

Left In: -1.170+/-0.000 χ^2/NDF : 665044446860.3/7

-1.374+/-0.000 χ^2/NDF : 977837551039.5/26

-1.396+/-0.000 χ^2/NDF : 847324162986.0/27

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

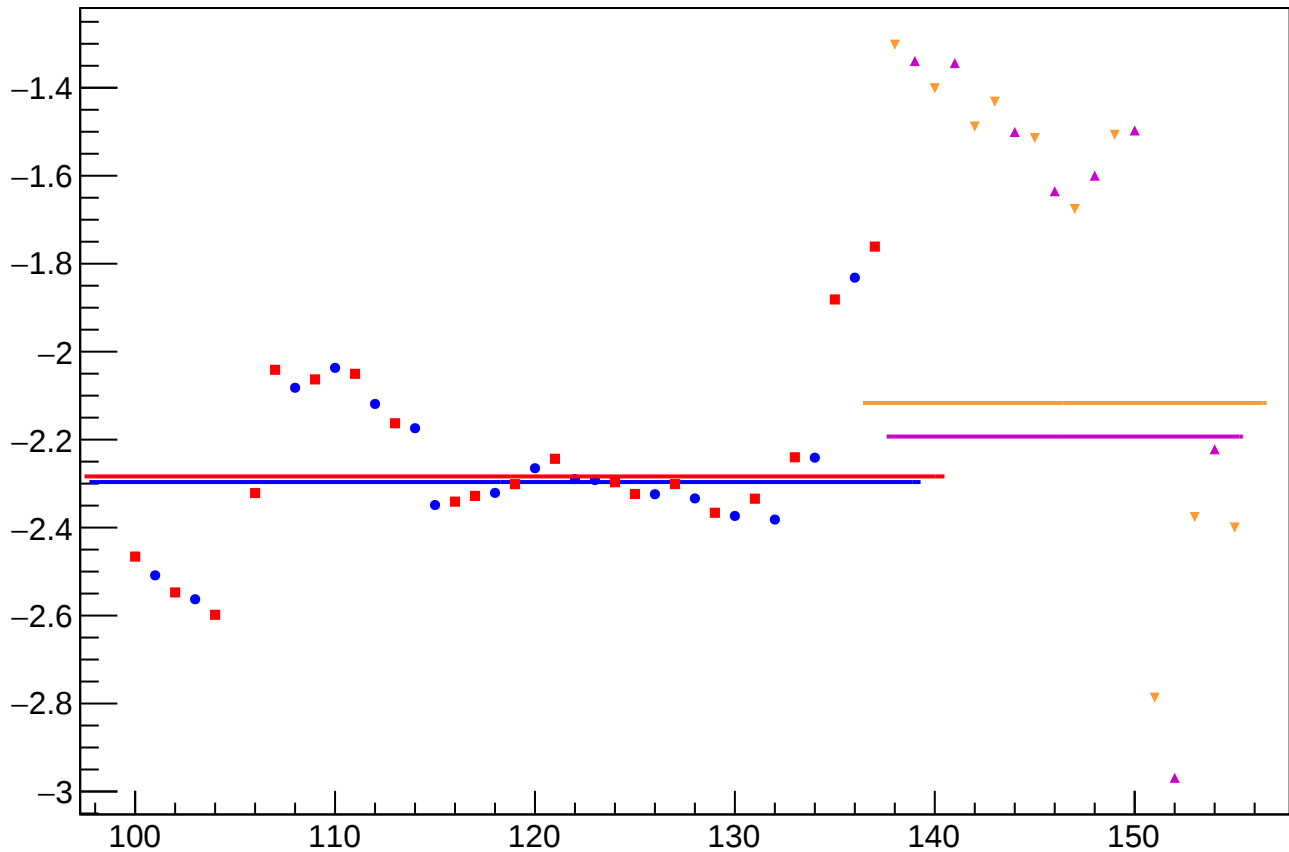
Right Out: 0.002+/-0.000 χ^2/NDF : 1493210.7/19

Left In: 0.003+/-0.000 χ^2/NDF : 332415.6/7

0.003+/-0.000 χ^2/NDF : 1535099.8/26

0.003+/-0.000 χ^2/NDF : 2214872.9/27

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

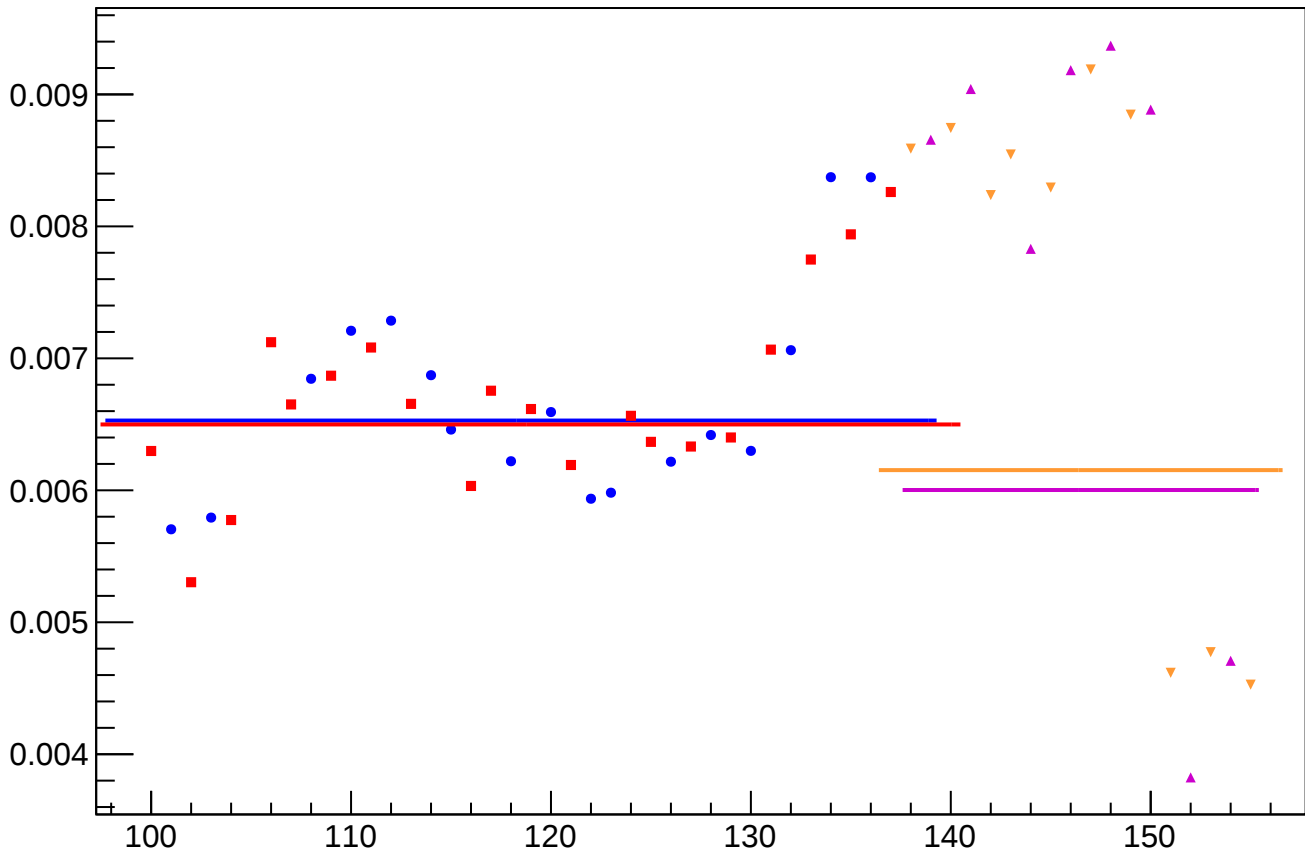
Right Out: -2.284+/-0.000 χ^2/NDF : 6550363990.6/19

Left In: -2.193+/-0.000 χ^2/NDF : 63572182109.9/7

-2.202+/-0.000 χ^2/NDF : 55639736289.5/26

-2.240+/-0.000 χ^2/NDF : 70765246205.9/27

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

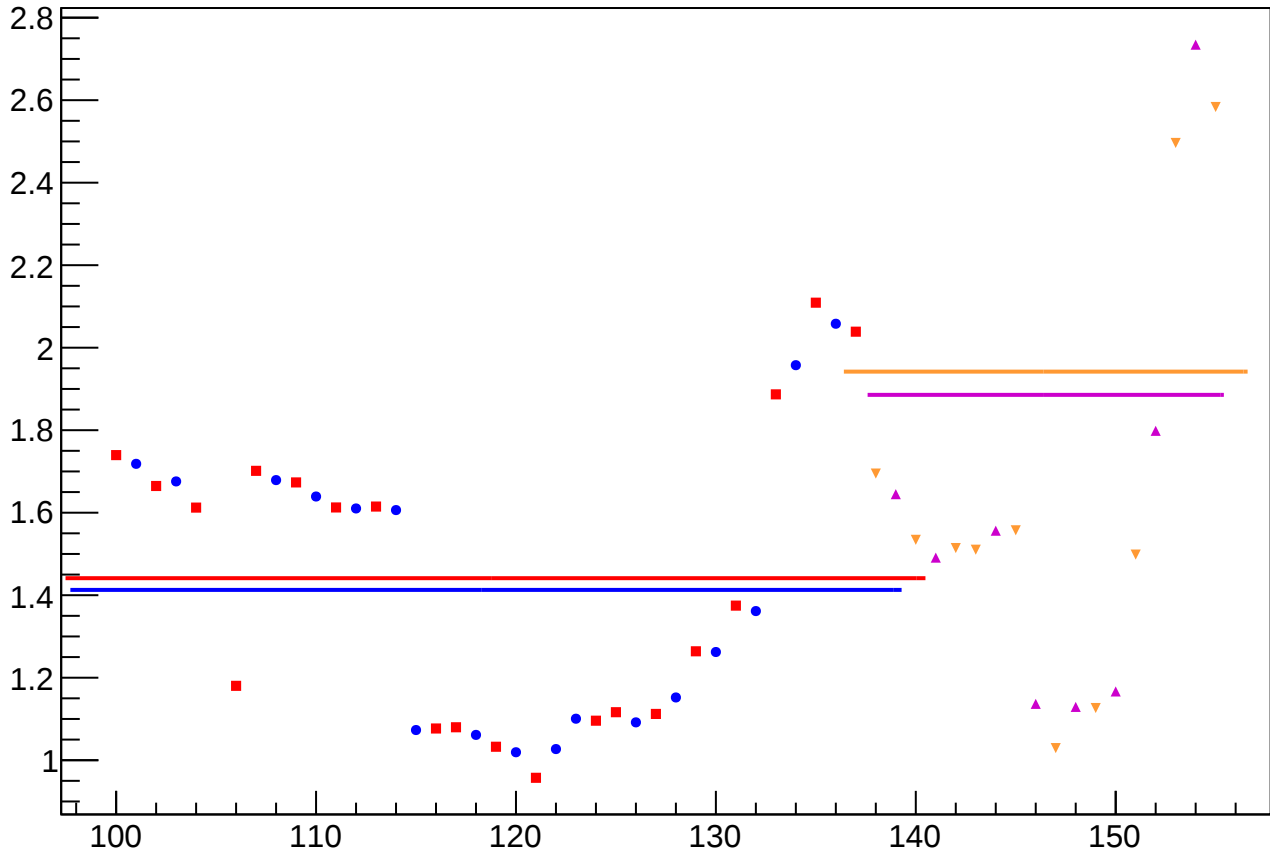
Right Out: 0.006+/-0.000 χ^2/NDF : 164253.8/19

Left In: 0.006+/-0.000 χ^2/NDF :1579649.5/7

0.006+/-0.000 χ^2/NDF : 1486652.1/26

0.006+/-0.000 χ^2/NDF : 1782466.4/27

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

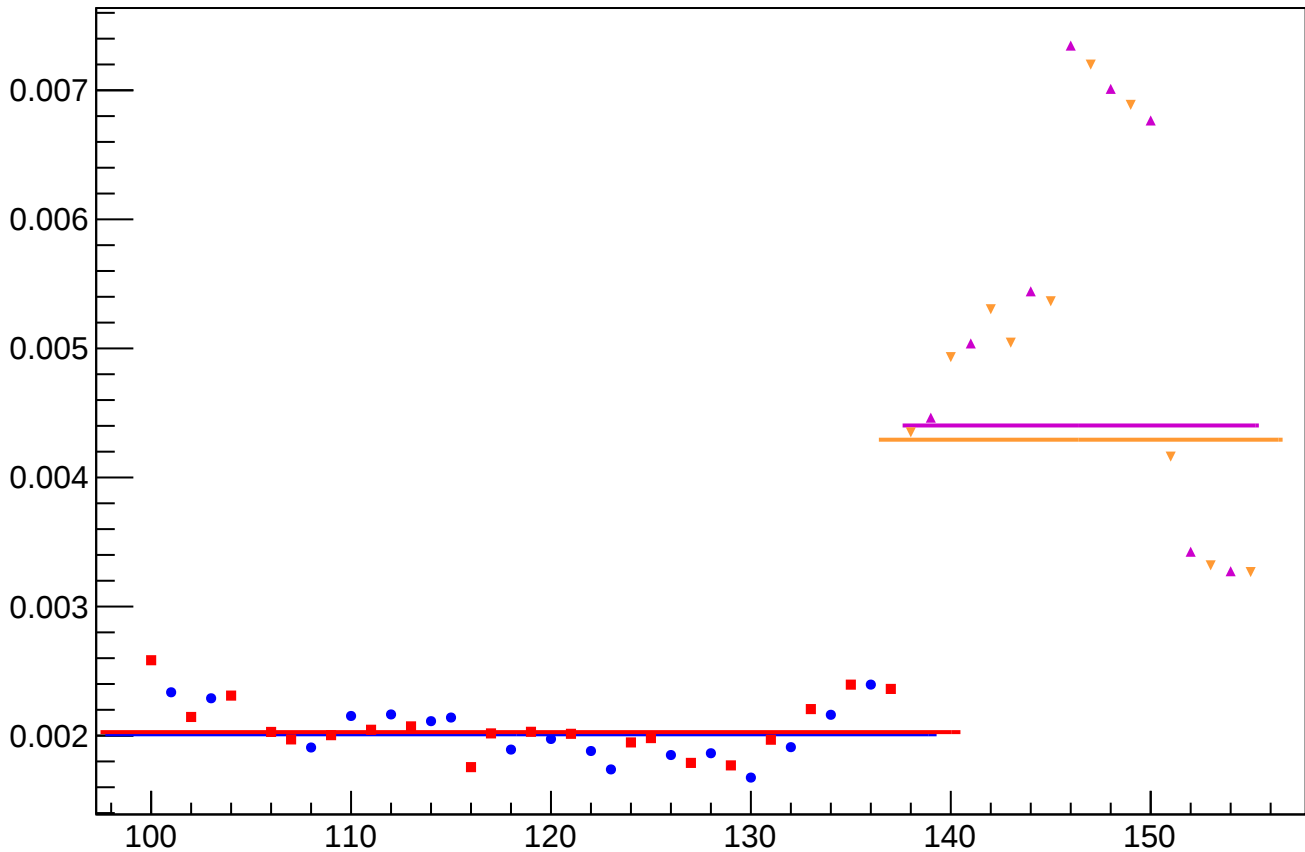
1.509+/-0.000 χ^2/NDF : 346248868025.7/26

Right Out: 1.441+/-0.000 χ^2/NDF : 174346888744.4/19

1.507+/-0.000 χ^2/NDF : 308230794605.9/27

Left In: 1.886+/-0.000 χ^2/NDF : 87226325060.6/7

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

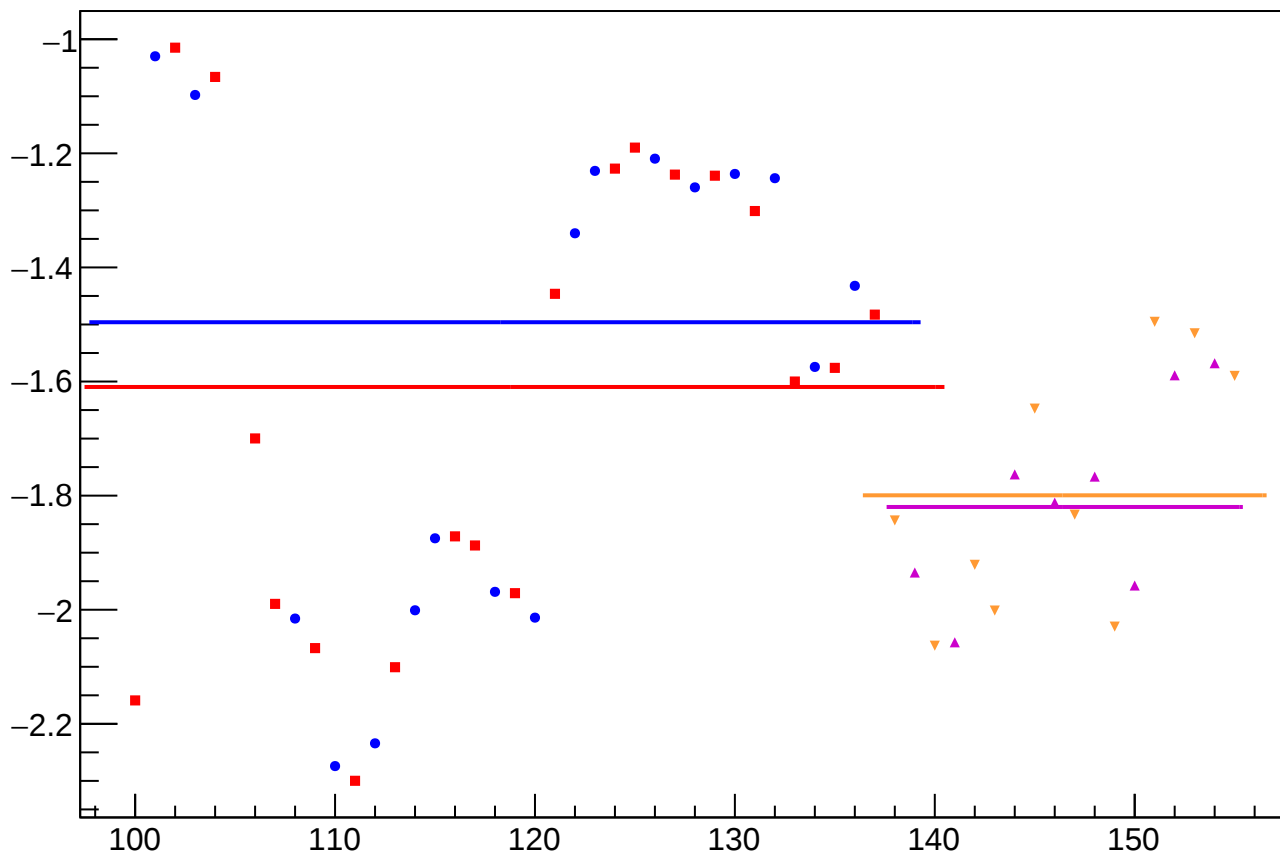
Right Out: 0.002+/-0.000 χ^2/NDF : 103927.8/19

Left In: 0.004+/-0.000 χ^2/NDF : 945704.5/7

0.002+/-0.000 χ^2/NDF : 3841343.5/26

0.002+/-0.000 χ^2/NDF : 3716793.1/27

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

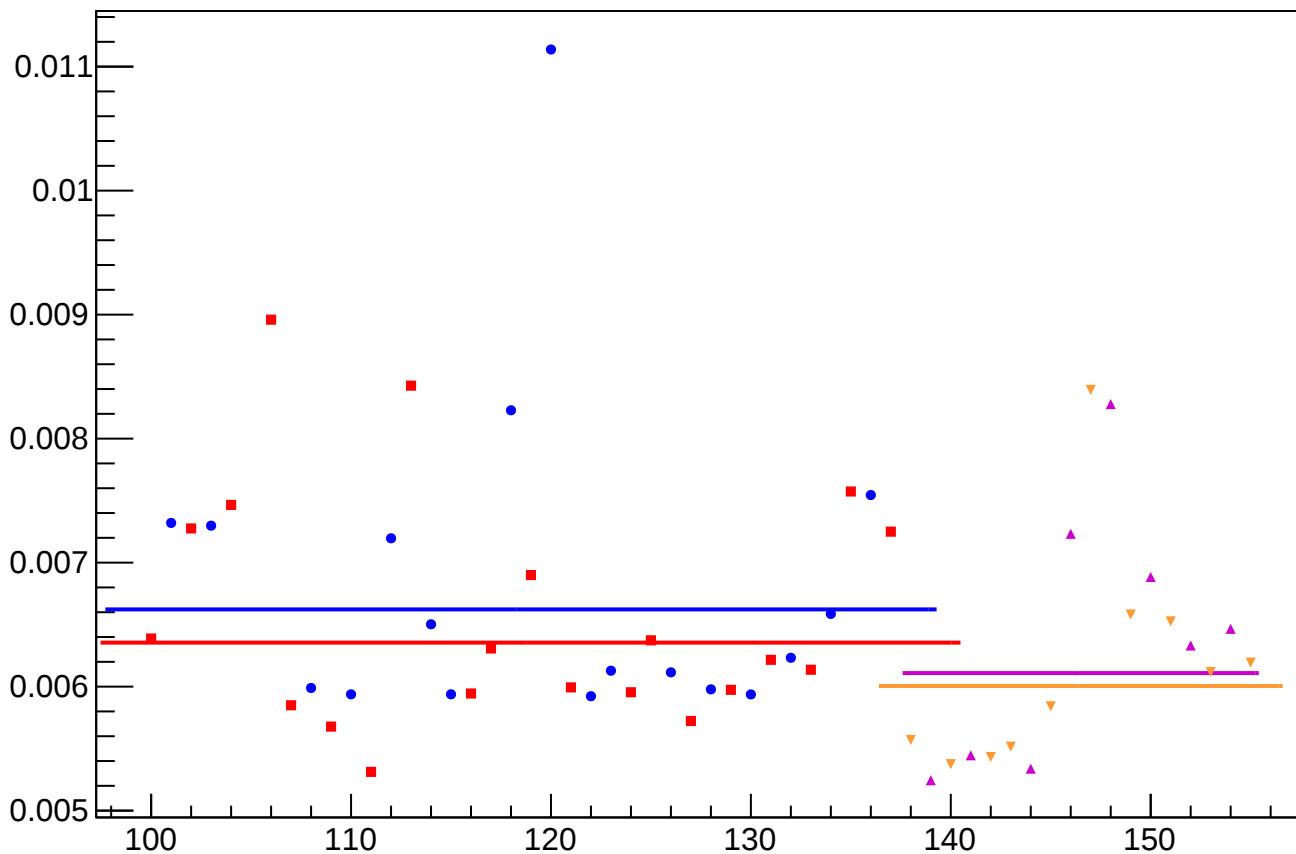
Right Out: -1.610+/-0.000 χ^2/NDF : 27919840690.9/19

Left In: -1.820+/-0.000 χ^2/NDF : 4585191142.8/7

-1.672+/-0.000 χ^2/NDF : 38452705883.5/26

-1.713+/-0.000 χ^2/NDF : 36092470421.9/27

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

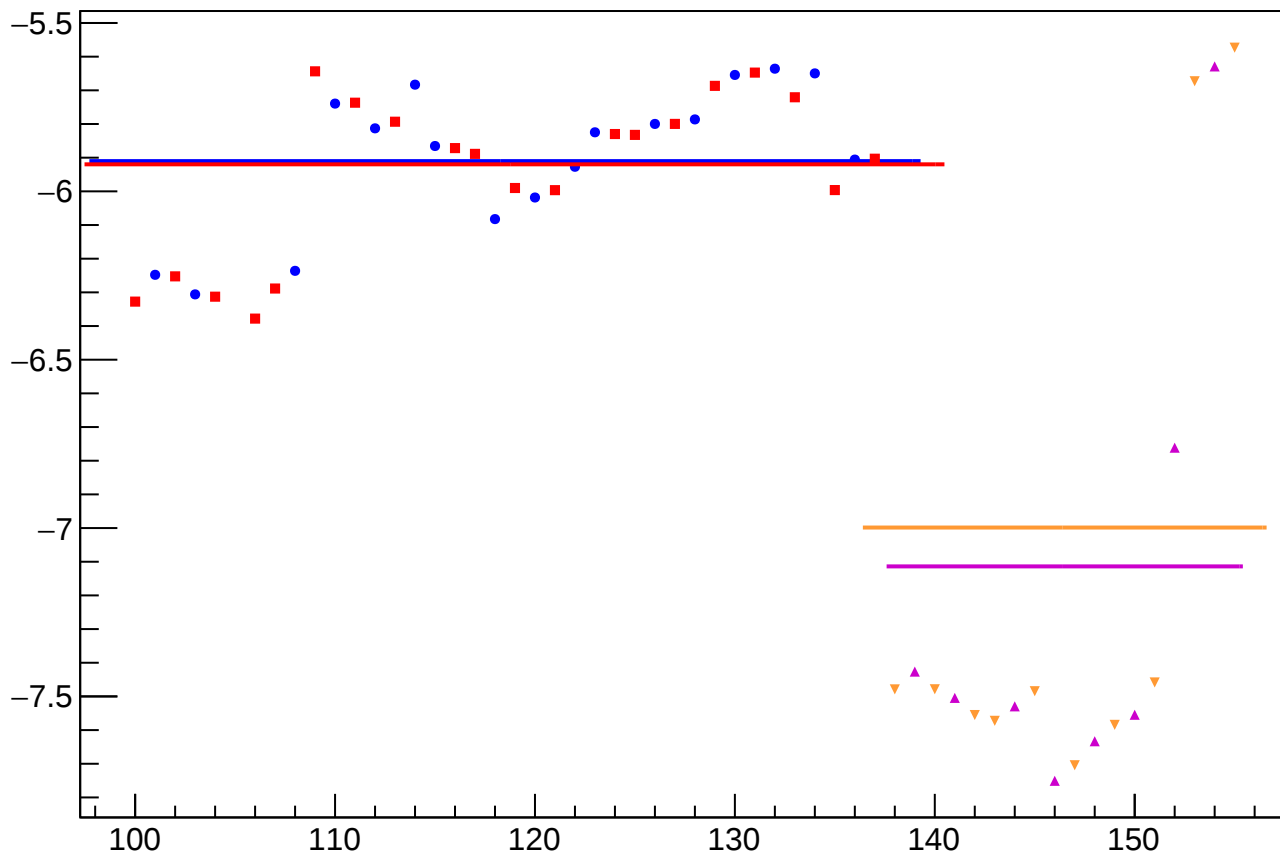
Right Out: 0.006+/-0.000 χ^2/NDF : 227865.9/19

Left In: 0.006+/-0.000 χ^2/NDF :253481.2/7

0.006+/-0.000 χ^2/NDF : 480305.3/26

0.006+/-0.000 χ^2/NDF : 491140.3/27

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

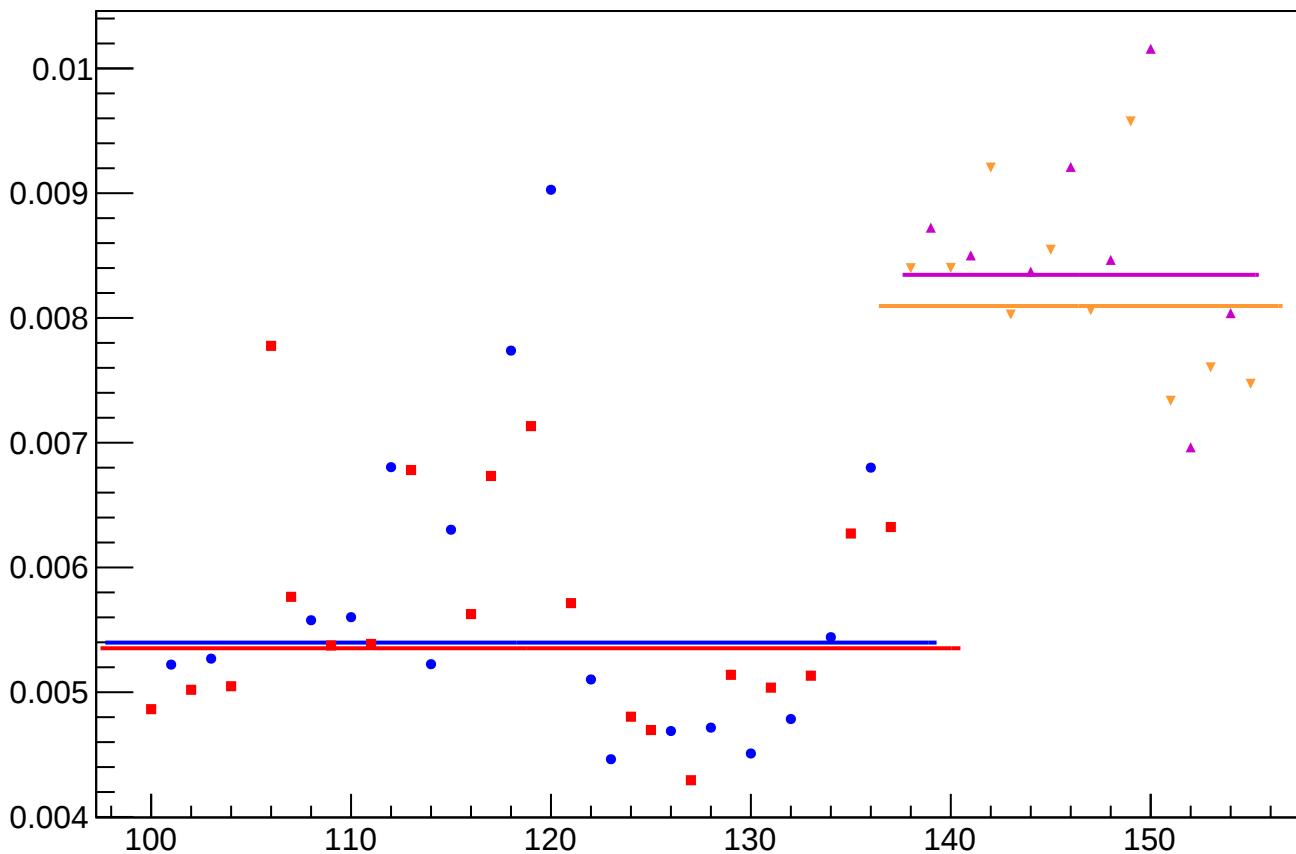
Right Out: -5.920+/-0.000 χ^2/NDF : 12786449843.6/19

Left In: -7.114+/-0.000 χ^2/NDF : 39886778478.6/7

-6.255+/-0.000 χ^2/NDF : 157468272419.6/26

-6.234+/-0.000 χ^2/NDF : 136591451907.3/27

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

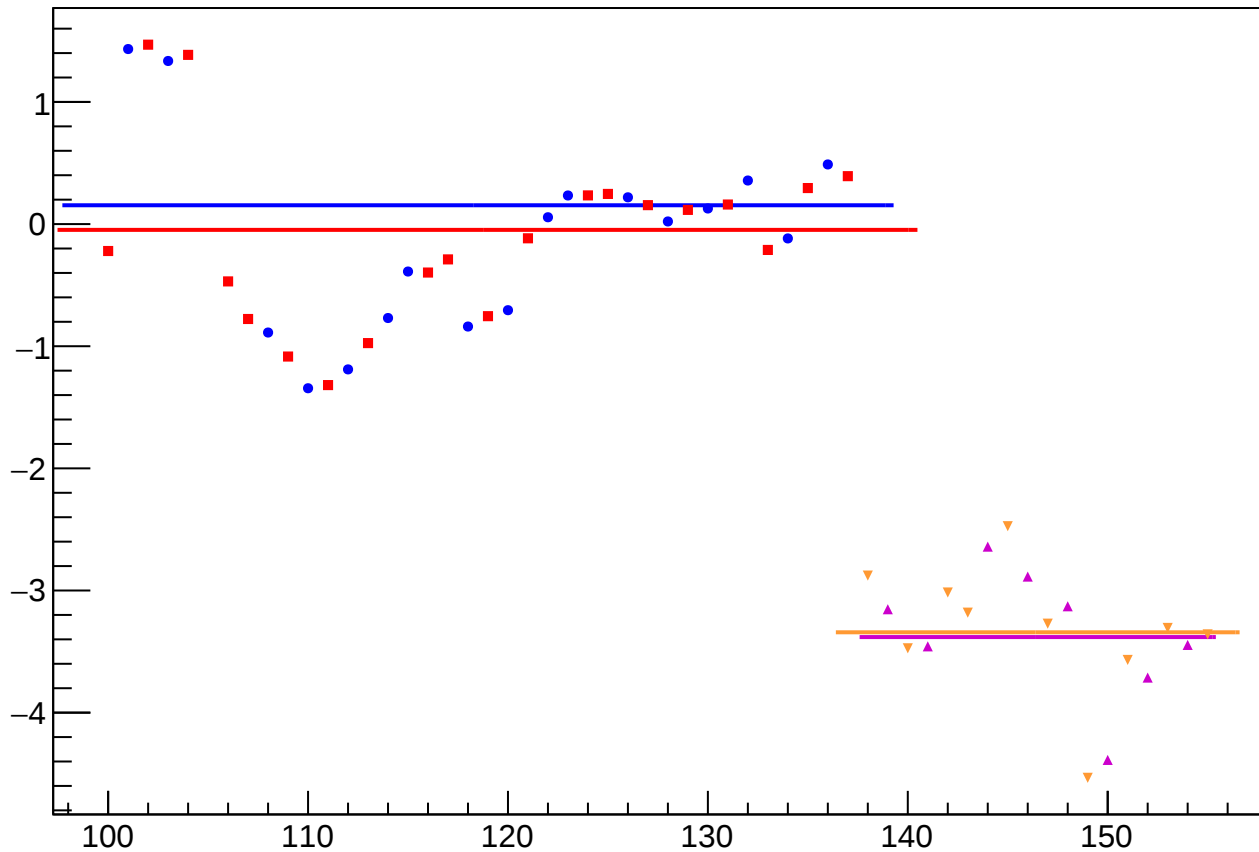
Right Out: 0.005+/-0.000 χ^2/NDF : 252664.1/19

Left In: 0.008+/-0.000 χ^2/NDF :121227.3/7

0.006+/-0.000 χ^2/NDF : 1387907.9/26

0.006+/-0.000 χ^2/NDF : 1428493.4/27

yield_bpm0l02X_mean vs Slug



Right In: 0.154 $\pm$ 0.000 χ^2 /NDF: 16988256953.8/16

Left Out: -3.342 $\pm$ 0.000 χ^2 /NDF: 6544093687.7/9

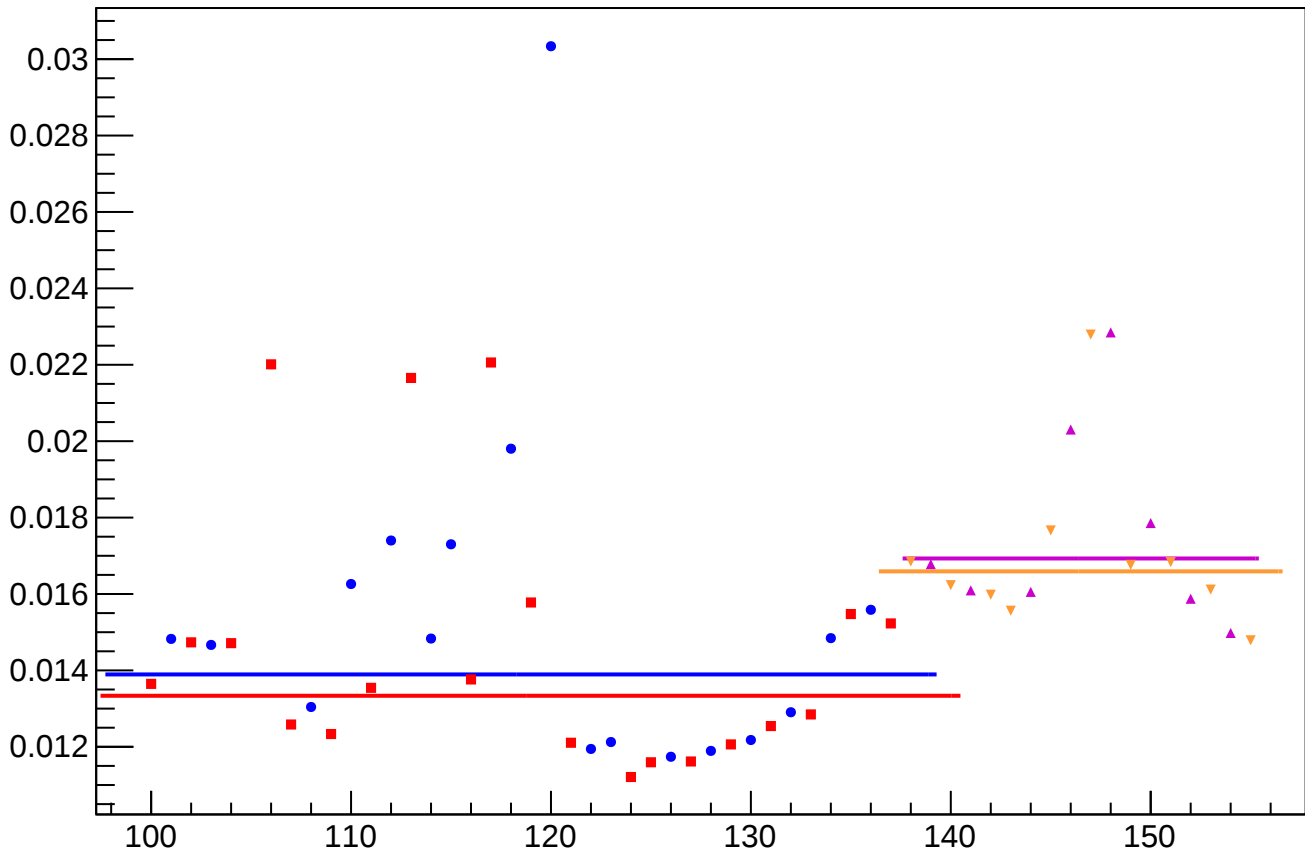
-1.420 $\pm$ 0.000 χ^2 /NDF: 192312163909.1/26

Right Out: -0.047 $\pm$ 0.000 χ^2 /NDF: 21216074494.2/19

-1.270 $\pm$ 0.000 χ^2 /NDF: 175296390866.5/27

Left In: -3.381 $\pm$ 0.000 χ^2 /NDF: 5302159747.2/7

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

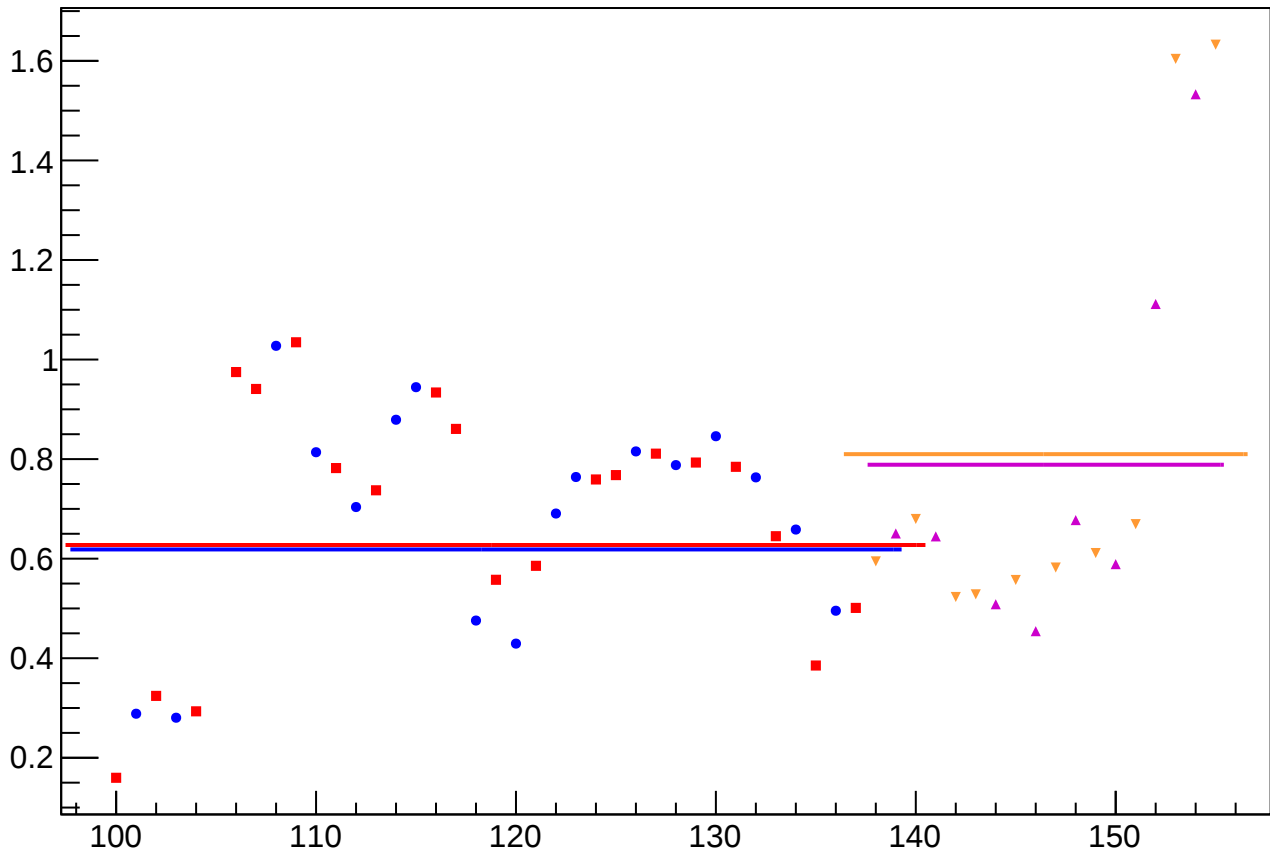
Right Out: 0.013+/-0.000 χ^2/NDF : 303459.9/19

Left In: 0.017+/-0.000 χ^2/NDF :184773.1/7

0.015+/-0.000 χ^2/NDF : 744126.5/26

0.015+/-0.000 χ^2/NDF : 834002.4/27

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

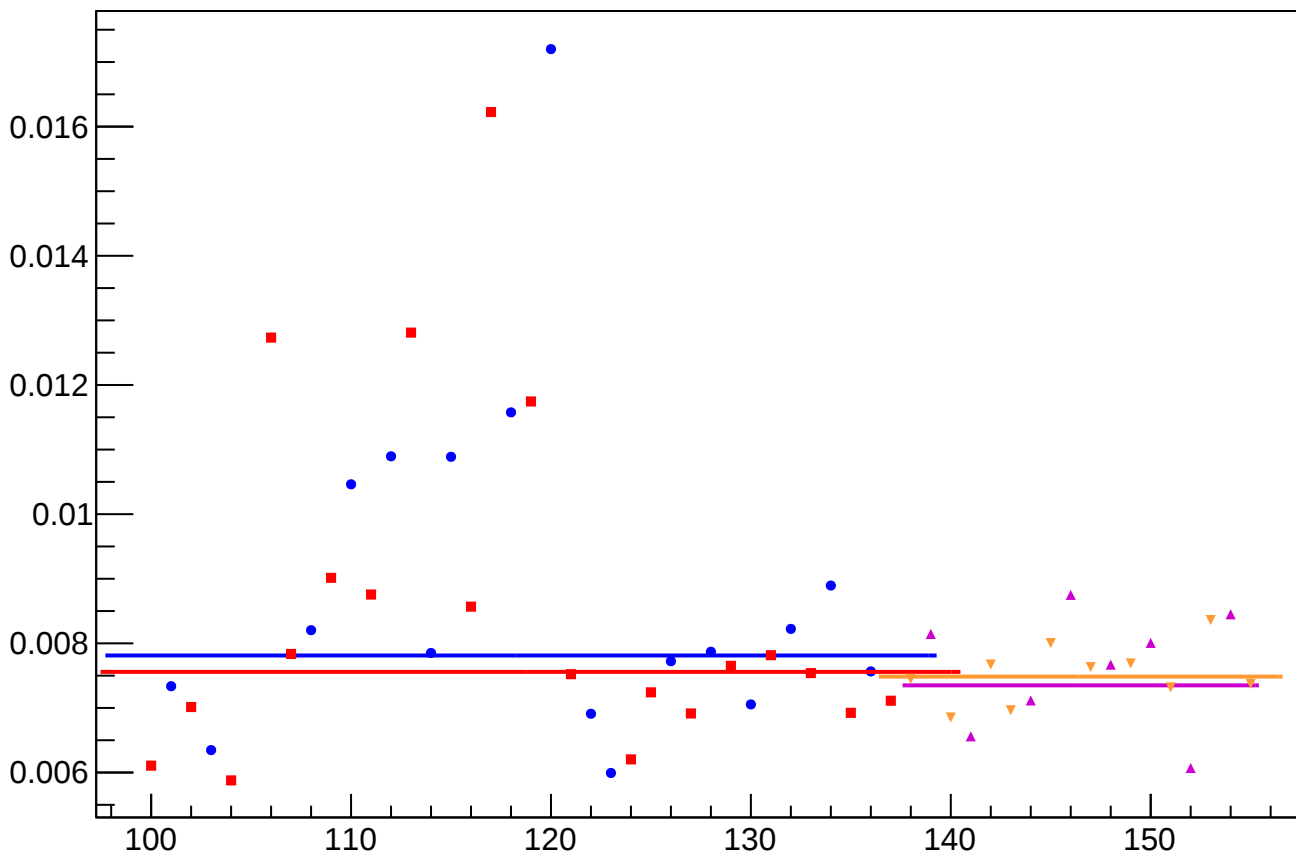
0.725+/-0.000 χ^2/NDF : 27590615024.3/26

Right Out: 0.627+/-0.000 χ^2/NDF : 6345684740.0/19

0.708+/-0.000 χ^2/NDF : 19740483562.9/27

Left In: 0.789+/-0.000 χ^2/NDF : 11973585422.5/7

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

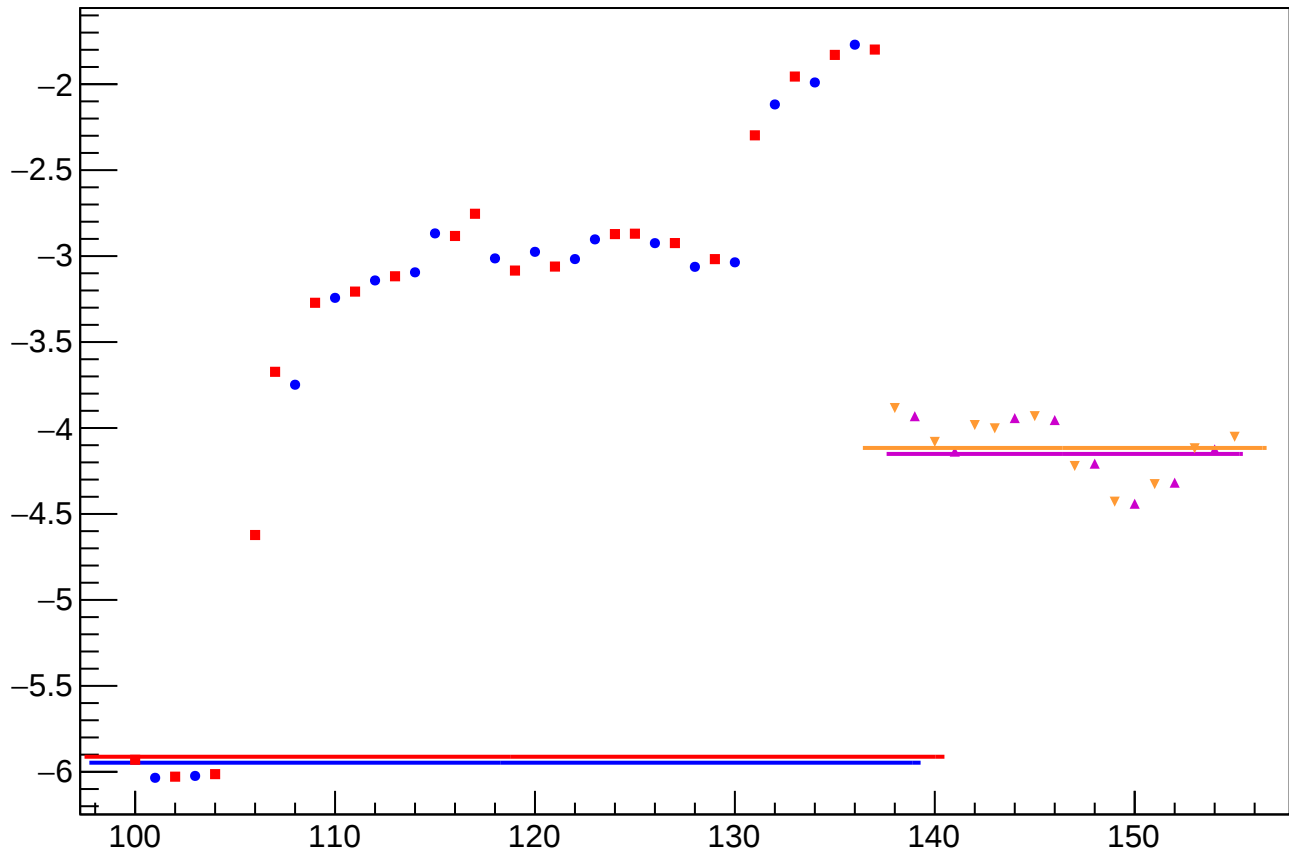
Right Out: 0.008+/-0.000 χ^2/NDF : 463232.7/19

Left In: 0.007+/-0.000 χ^2/NDF :180953.2/7

0.008+/-0.000 χ^2/NDF : 523116.8/26

0.007+/-0.000 χ^2/NDF : 648946.7/27

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

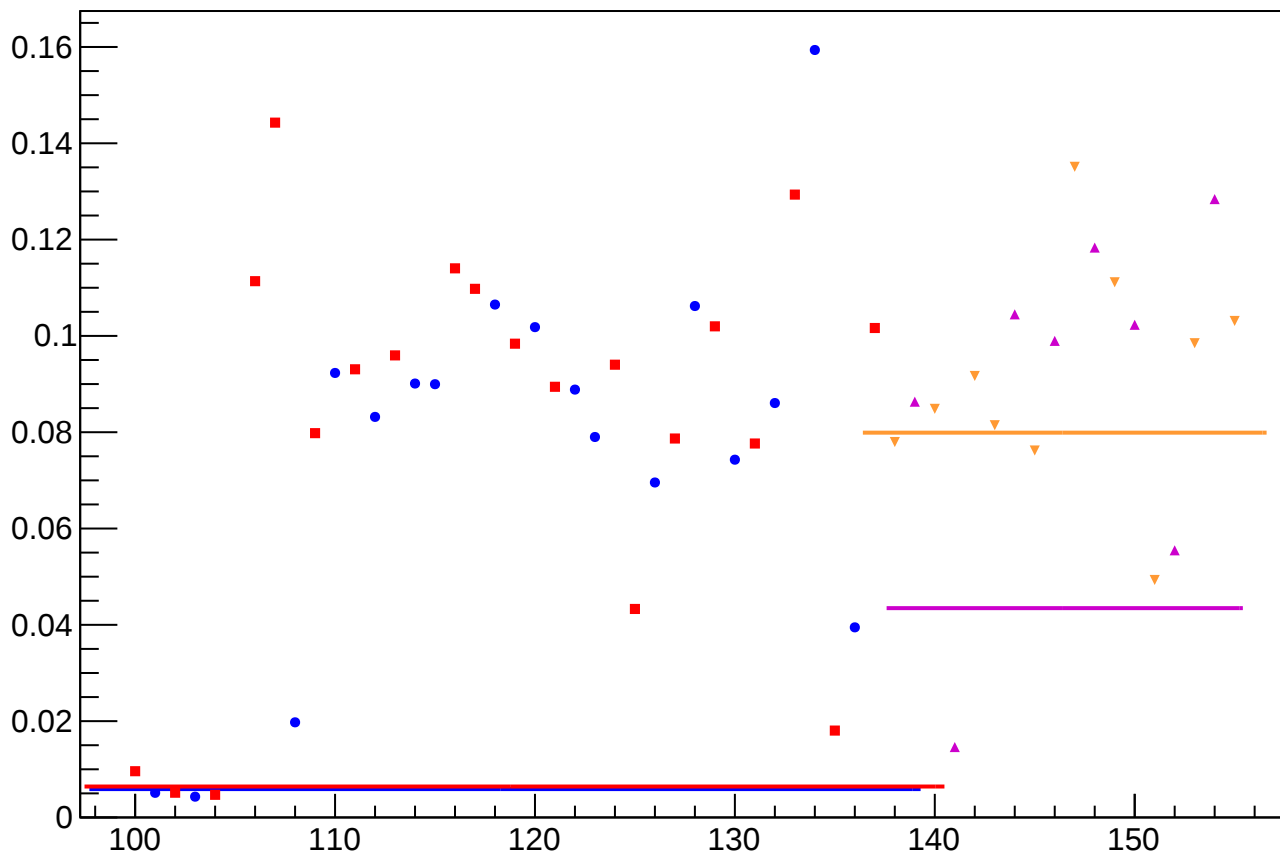
-5.911+/-0.000 χ^2/NDF : 16294234621.8/26

Right Out: -5.912+/-0.000 χ^2/NDF : 14648055548.9/19

-5.848+/-0.000 χ^2/NDF : 19009910729.4/27

Left In: -4.151+/-0.000 χ^2/NDF : 20957985.2/7

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

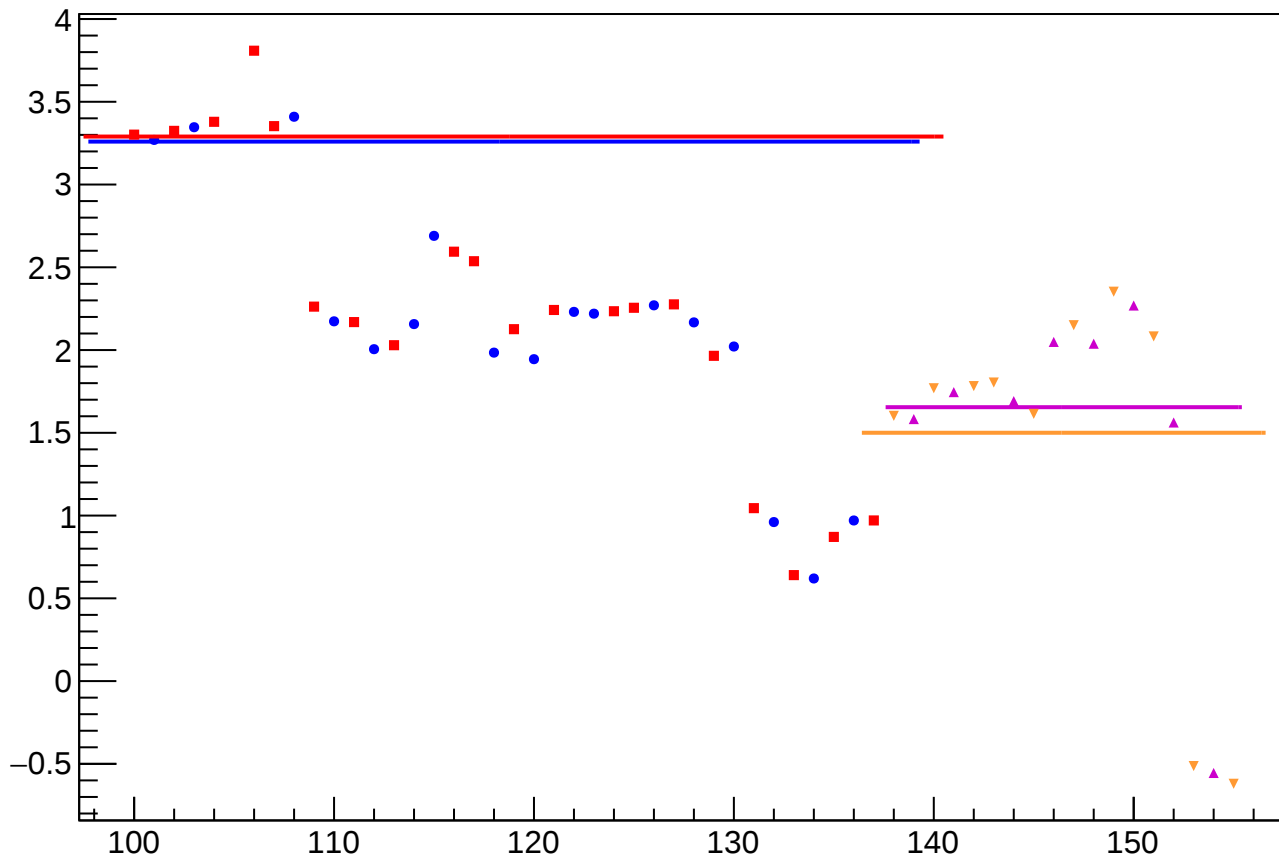
Right Out: 0.006+/-0.000 χ^2/NDF : 8558731.2/19

Left In: 0.043+/-0.000 χ^2/NDF : 4396719.2/7

0.007+/-0.000 χ^2/NDF : 18993018.6/26

0.008+/-0.000 χ^2/NDF : 16795231.5/27

yield_bpm0l03Y_mean vs Slug



Right In: 3.259+/-0.000 χ^2/NDF : 2921931976.8/16

Left Out: 1.500+/-0.000 χ^2/NDF : 725729137.1/9

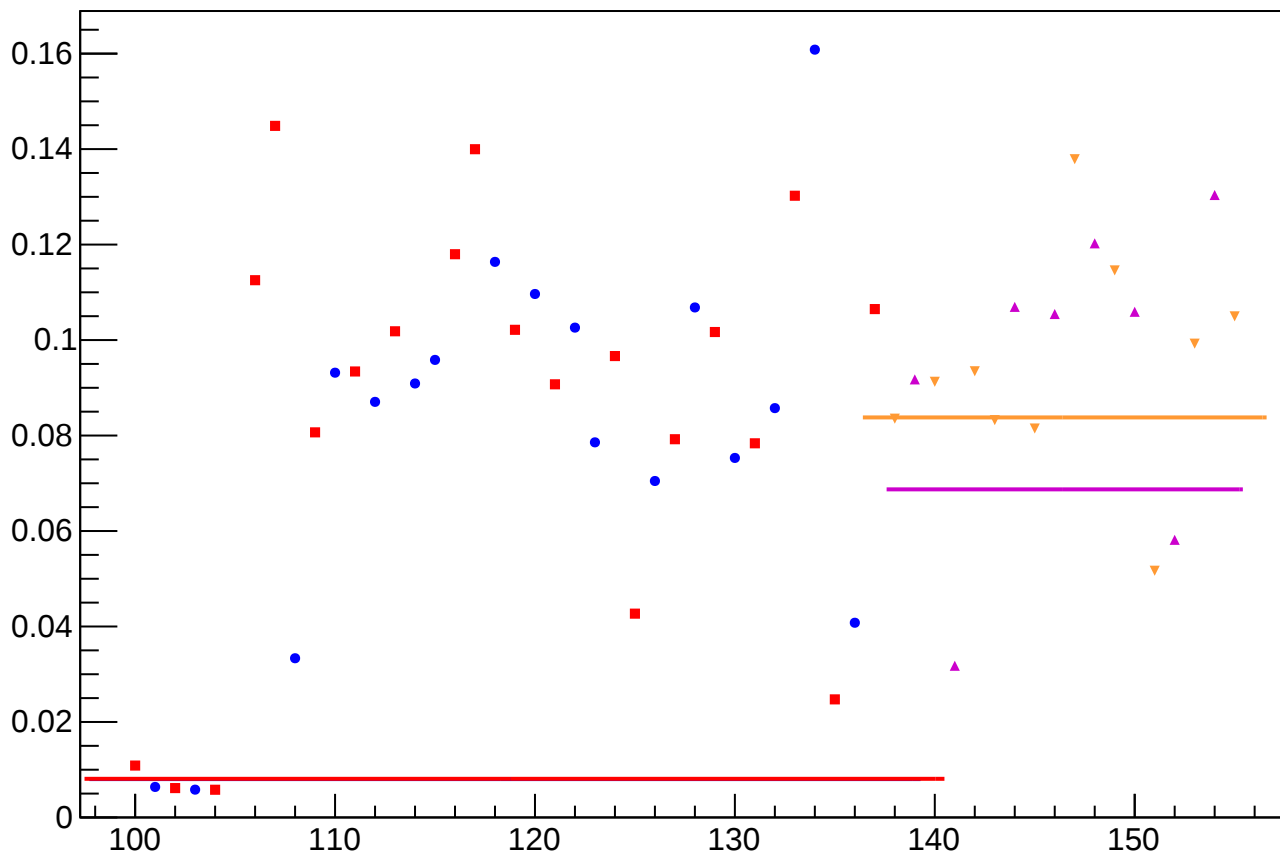
Right Out: 3.290+/-0.000 χ^2/NDF : 3263300926.6/19

Left In: 1.655+/-0.000 χ^2/NDF : 251436739.3/7

3.208+/-0.000 χ^2/NDF : 6239151912.1/26

3.239+/-0.000 χ^2/NDF : 5732550959.2/27

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

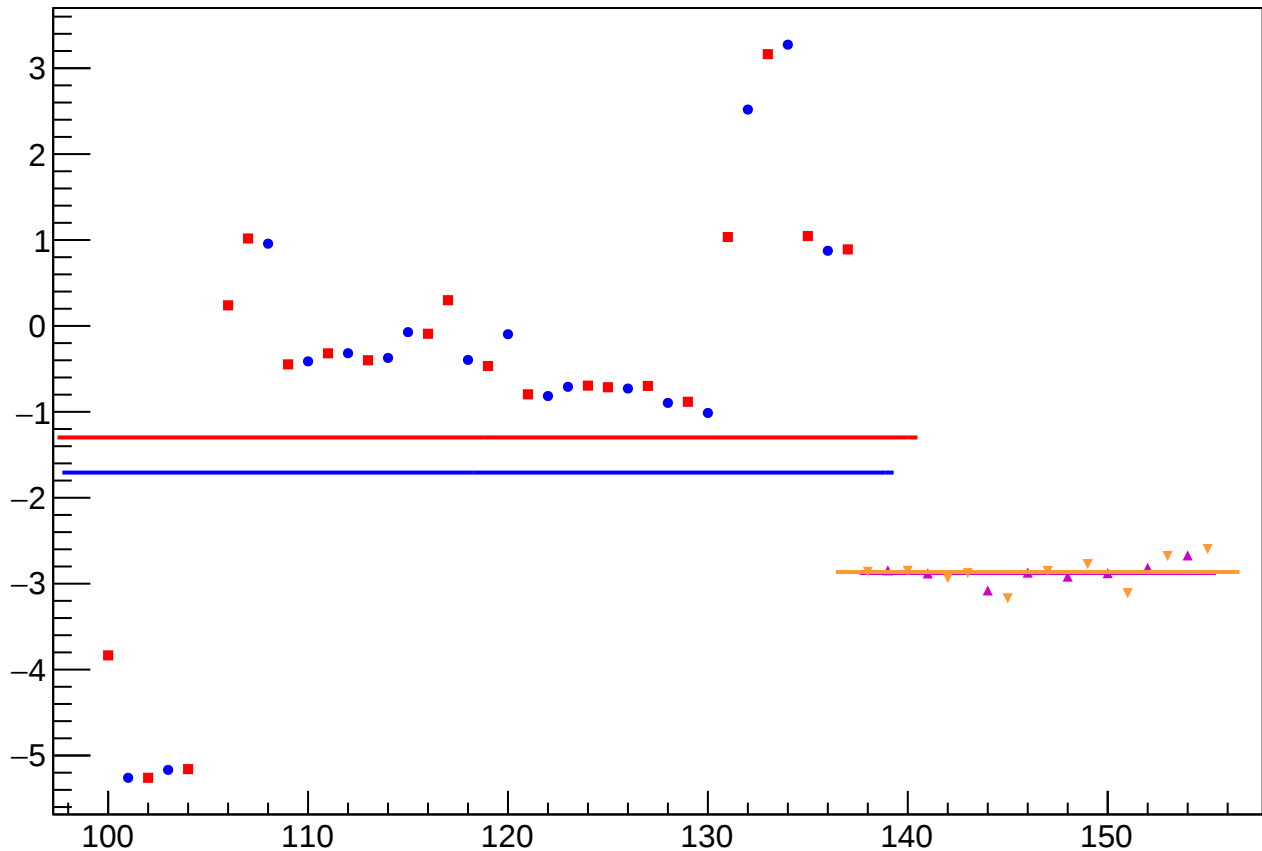
Right Out: 0.008+/-0.000 χ^2/NDF : 8375005.0/19

Left In: 0.069+/-0.000 χ^2/NDF : 2102610.2/7

0.010+/-0.000 χ^2/NDF : 18214626.0/26

0.010+/-0.000 χ^2/NDF : 16576836.4/27

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

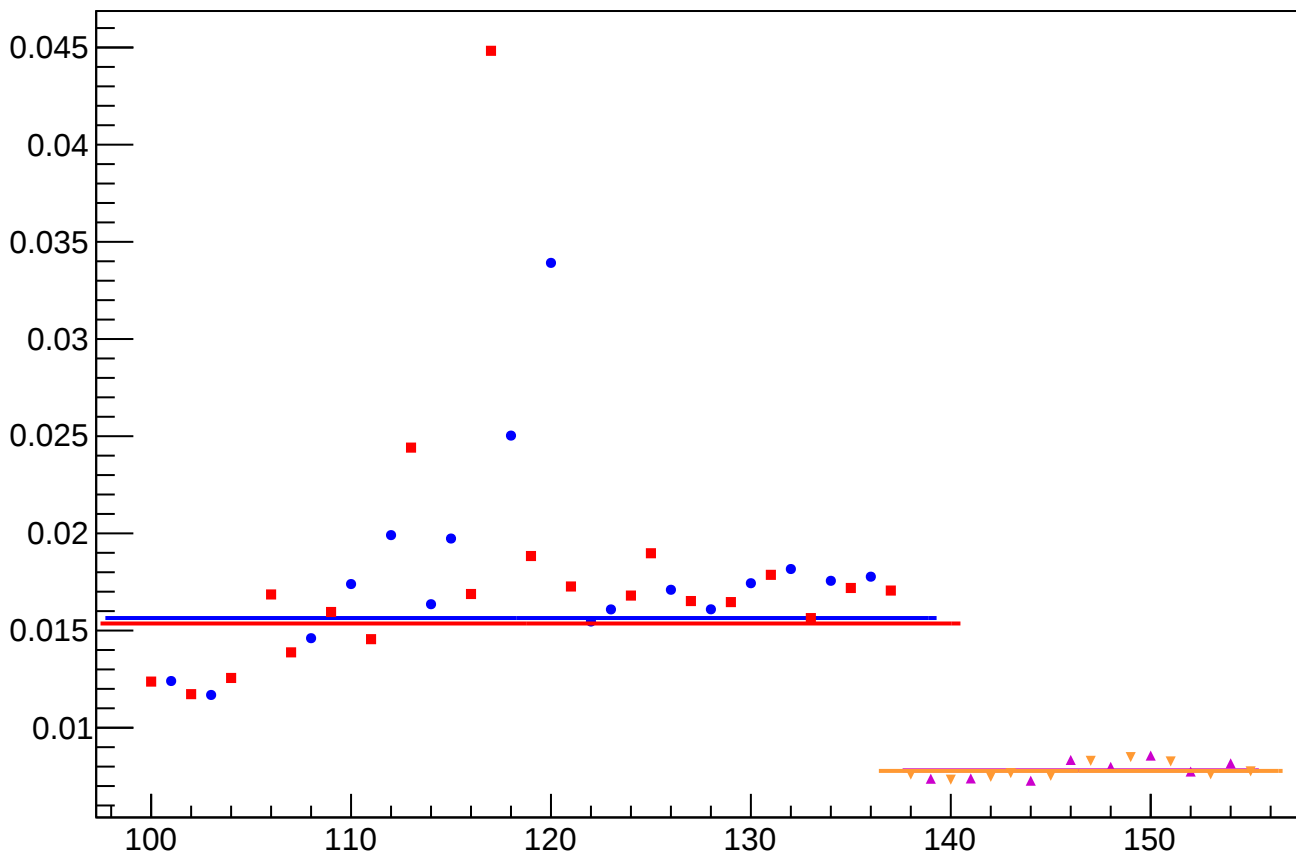
-2.674+/-0.000 χ^2/NDF : 195141546169.5/26

Right Out: -1.298+/-0.000 χ^2/NDF : 178085926993.4/19

-2.553+/-0.000 χ^2/NDF : 231497229769.4/27

Left In: -2.876+/-0.000 χ^2/NDF : 1233818884.9/7

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

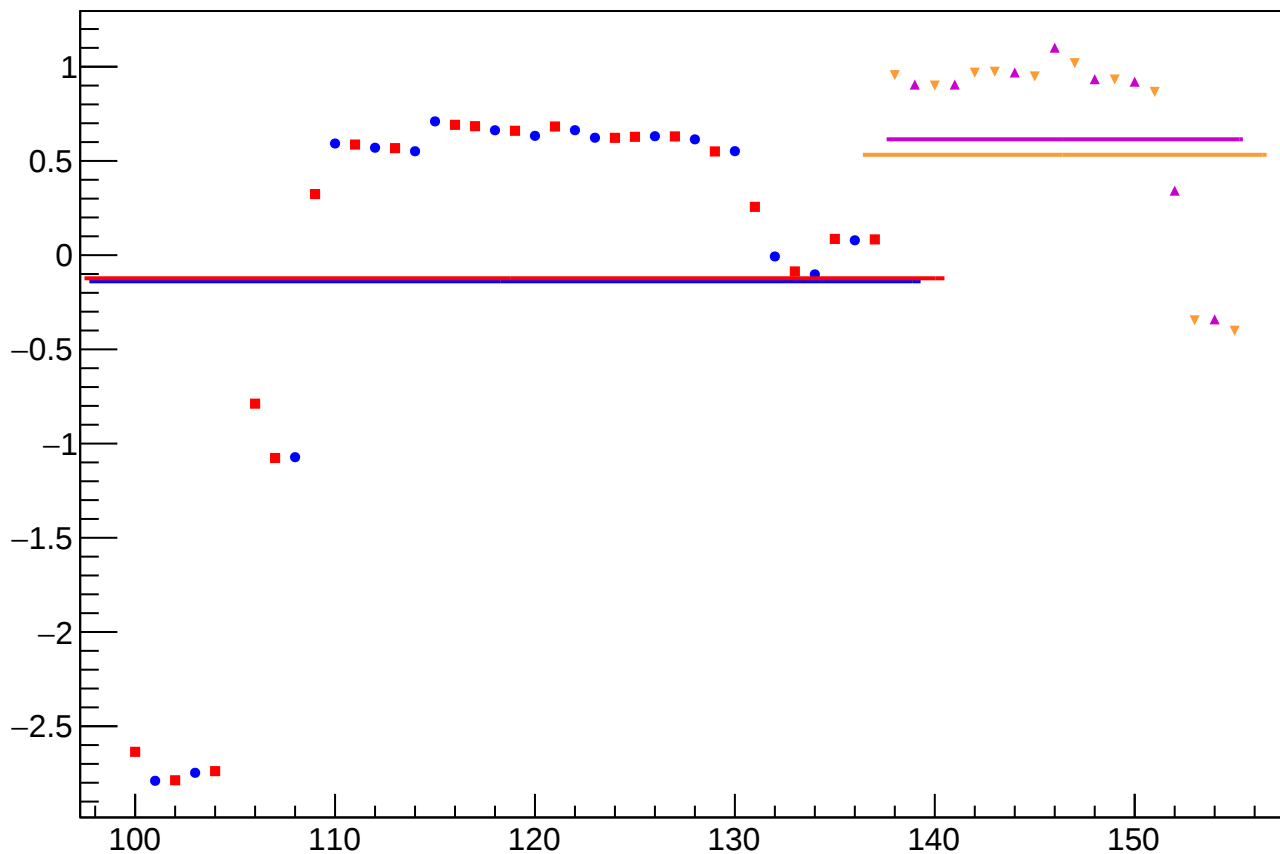
Right Out: 0.015+/-0.000 χ^2/NDF : 387283.2/19

Left In: 0.008+/-0.000 χ^2/NDF : 41888.8/7

0.009+/-0.000 χ^2/NDF : 2978390.1/26

0.009+/-0.000 χ^2/NDF : 2820838.7/27

yield_bpm0l04Y_mean vs Slug



Right In: -0.139+/-0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.533+/-0.000 χ^2/NDF : 57903434824.7/9

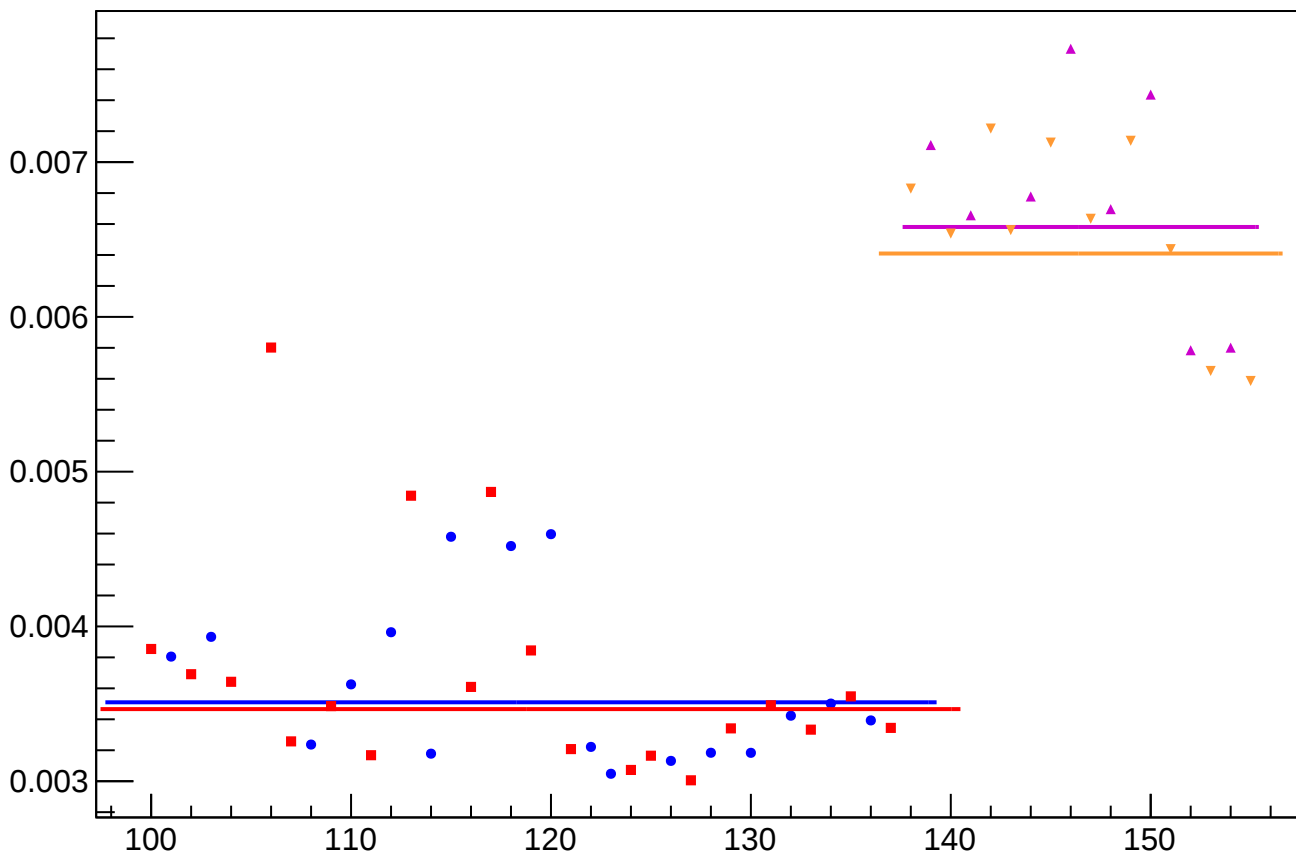
Right Out: -0.123+/-0.000 χ^2/NDF : 762580598699.5/19

Left In: 0.615+/-0.000 χ^2/NDF : 33459532867.3/7

0.018+/-0.000 χ^2/NDF : 826751174868.9/26

0.018+/-0.000 χ^2/NDF : 854544824288.2/27

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

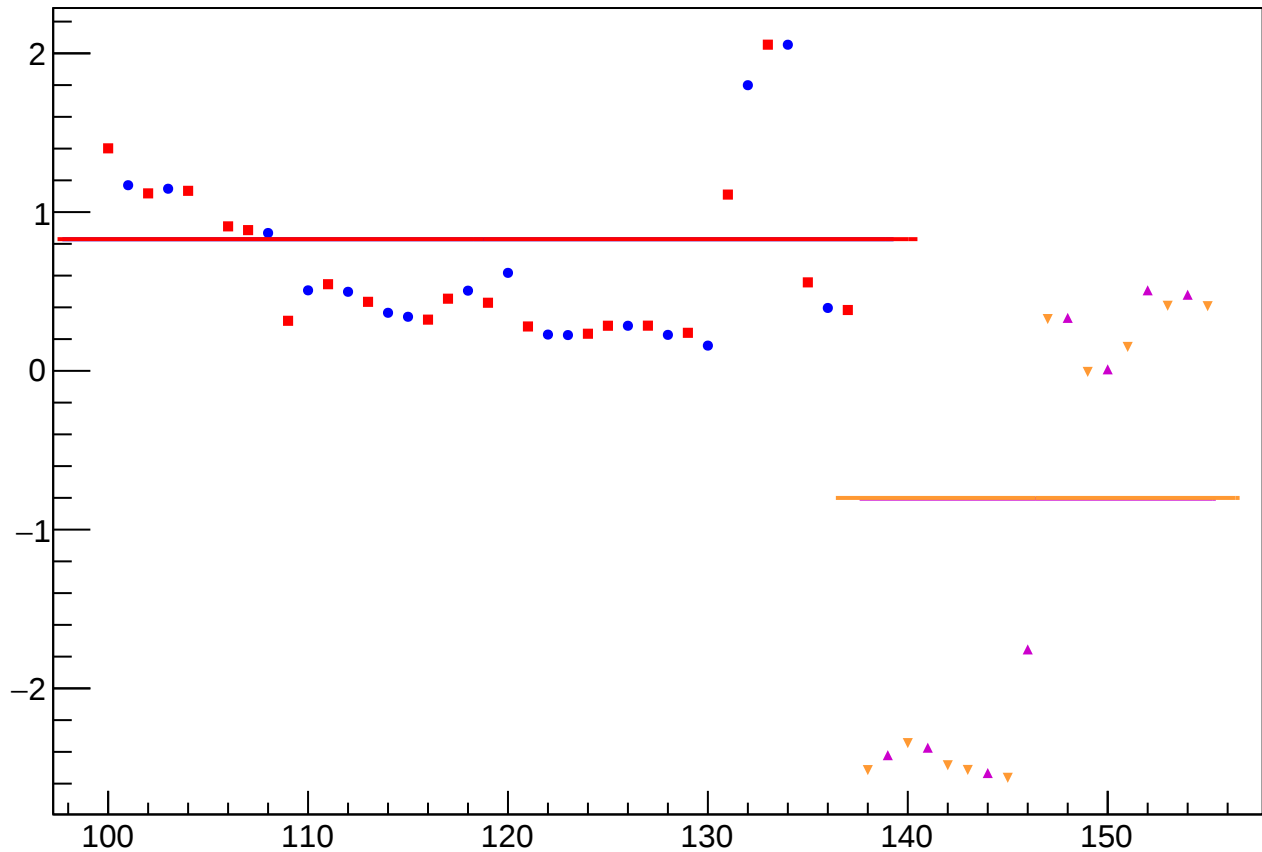
Right Out: 0.003+/-0.000 χ^2/NDF : 222524.1/19

Left In: 0.007+/-0.000 χ^2/NDF :114654.0/7

0.004+/-0.000 χ^2/NDF : 2282771.5/26

0.004+/-0.000 χ^2/NDF : 2424040.0/27

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

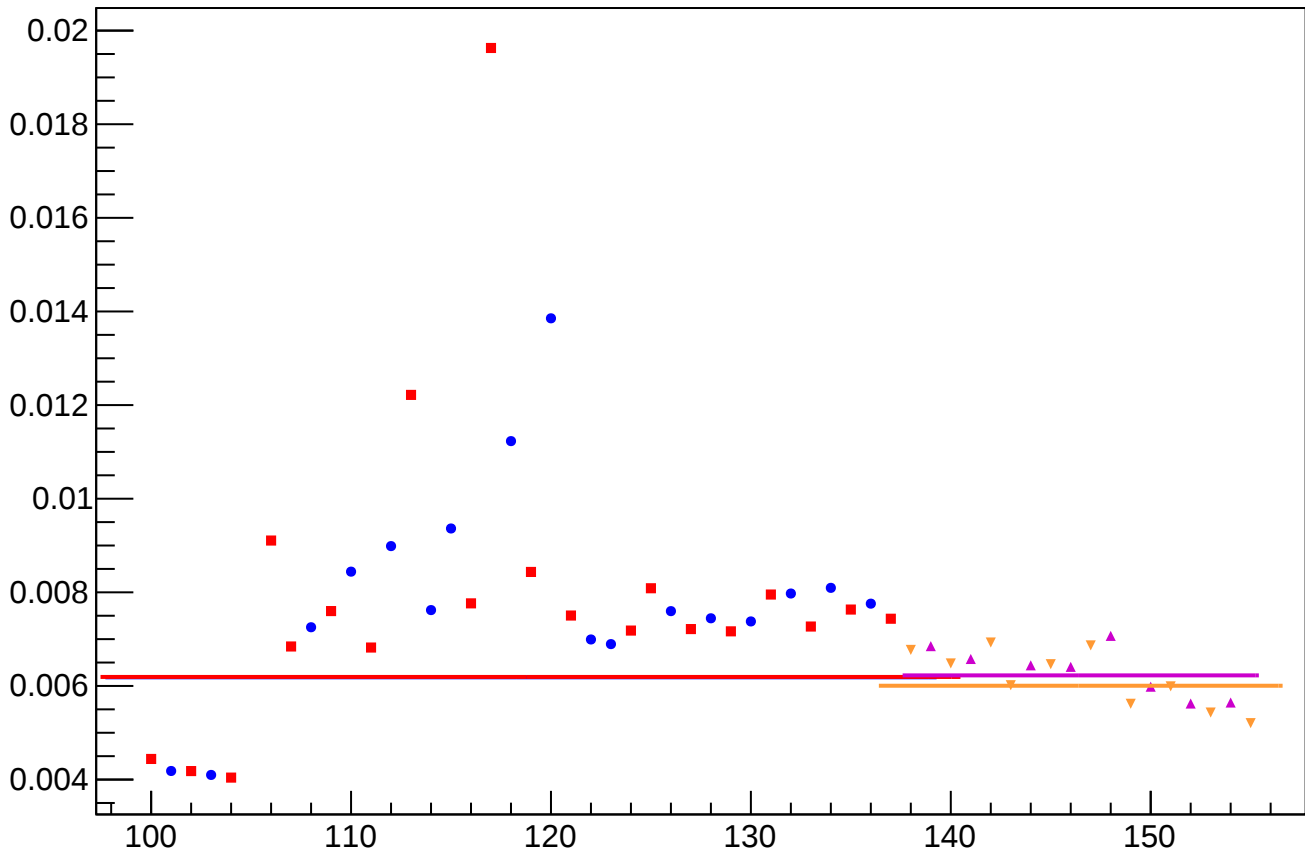
Right Out: 0.830+/-0.000 χ^2/NDF : 33349713412.0/19

Left In: -0.805+/-0.000 χ^2/NDF : 271180027944.8/7

-0.106+/-0.000 χ^2/NDF : 581661725670.5/26

0.002+/-0.000 χ^2/NDF : 510177505719.3/27

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

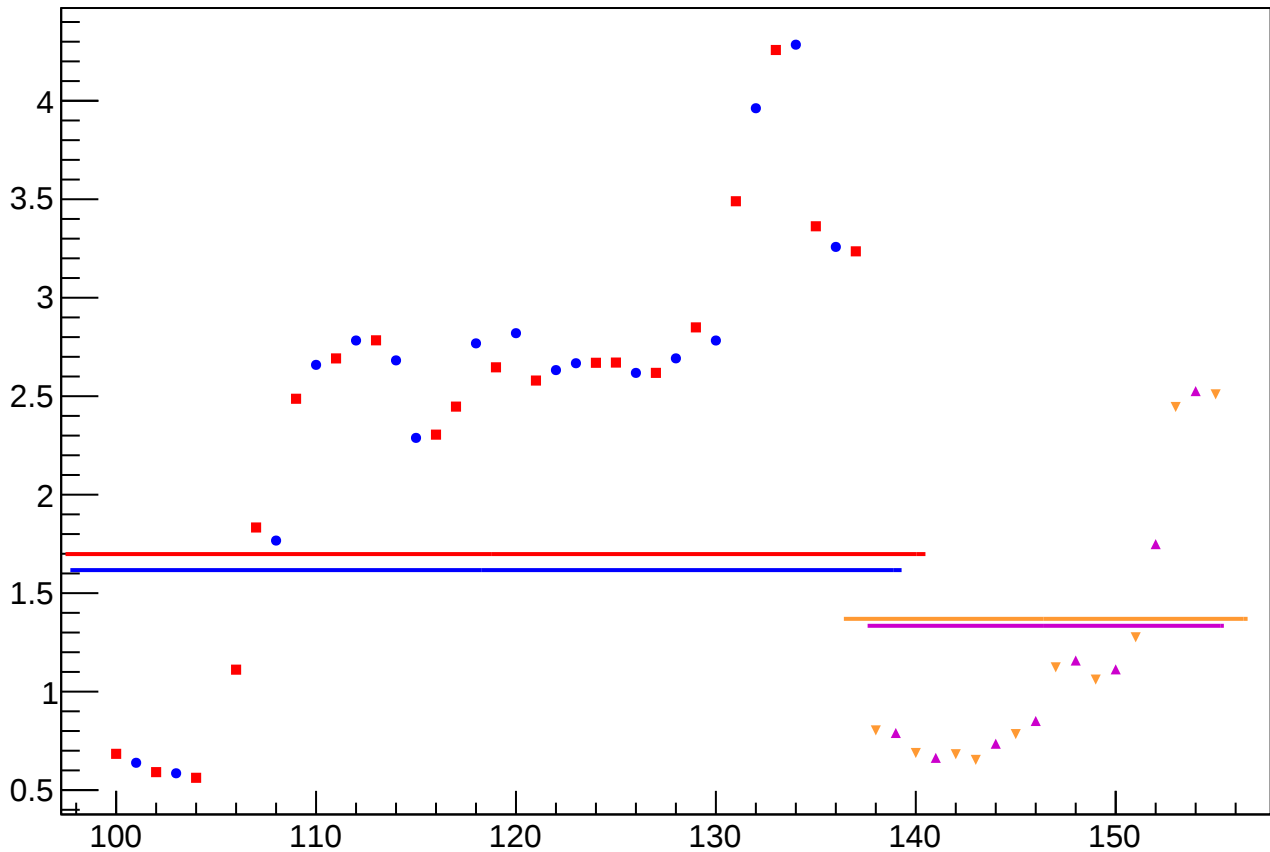
Right Out: 0.006+/-0.000 χ^2/NDF : 1062886.2/19

Left In: 0.006+/-0.000 χ^2/NDF :76513.5/7

0.006+/-0.000 χ^2/NDF : 1362590.9/26

0.006+/-0.000 χ^2/NDF : 1139571.8/27

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

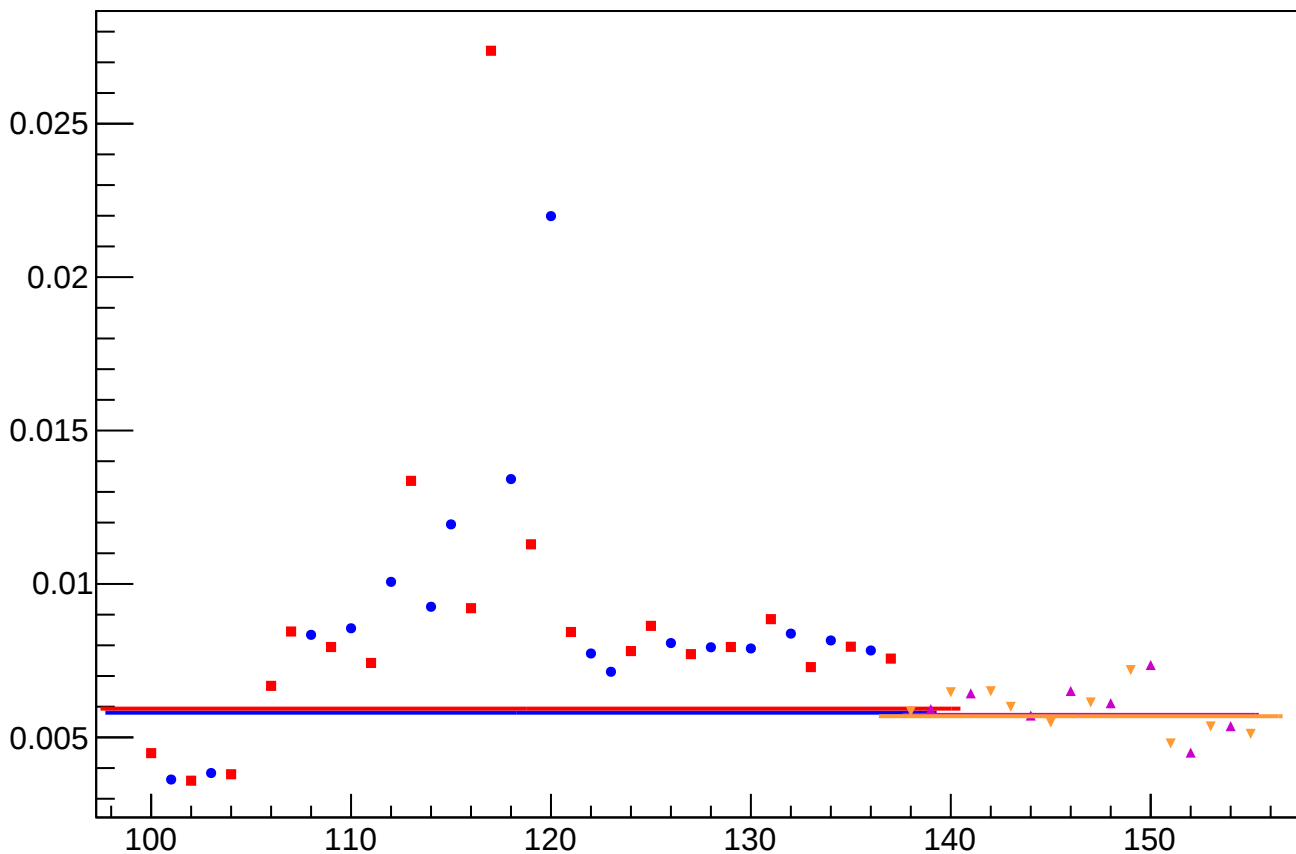
1.475+/-0.000 χ^2/NDF : 311286911309.4/26

Right Out: 1.698+/-0.000 χ^2/NDF : 227436227264.4/19

1.507+/-0.000 χ^2/NDF : 309840867028.6/27

Left In: 1.334+/-0.000 χ^2/NDF : 71782656485.3/7

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

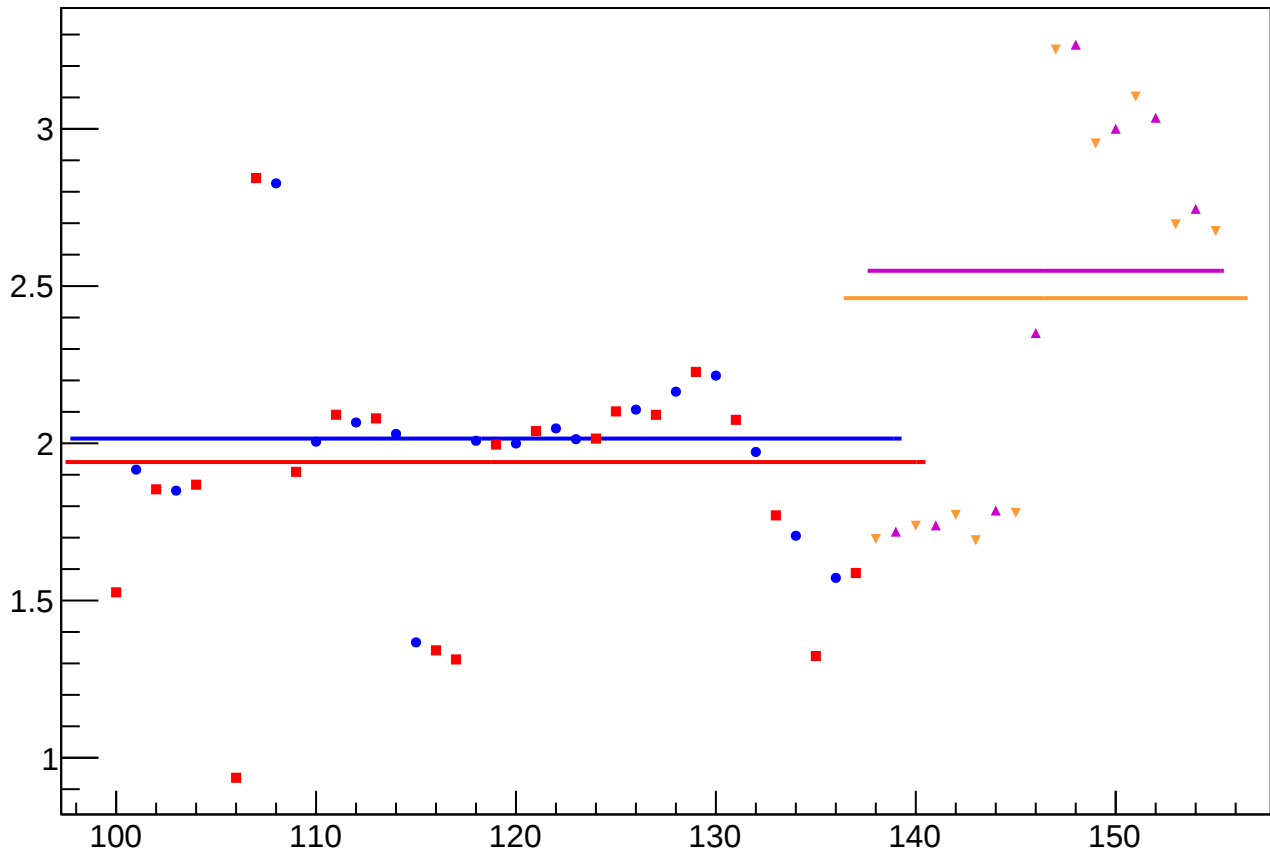
Right Out: 0.006+/-0.000 χ^2/NDF : 1731283.0/19

Left In: 0.006+/-0.000 χ^2/NDF :232005.5/7

0.006+/-0.000 χ^2/NDF : 2089817.6/26

0.006+/-0.000 χ^2/NDF : 1969950.1/27

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

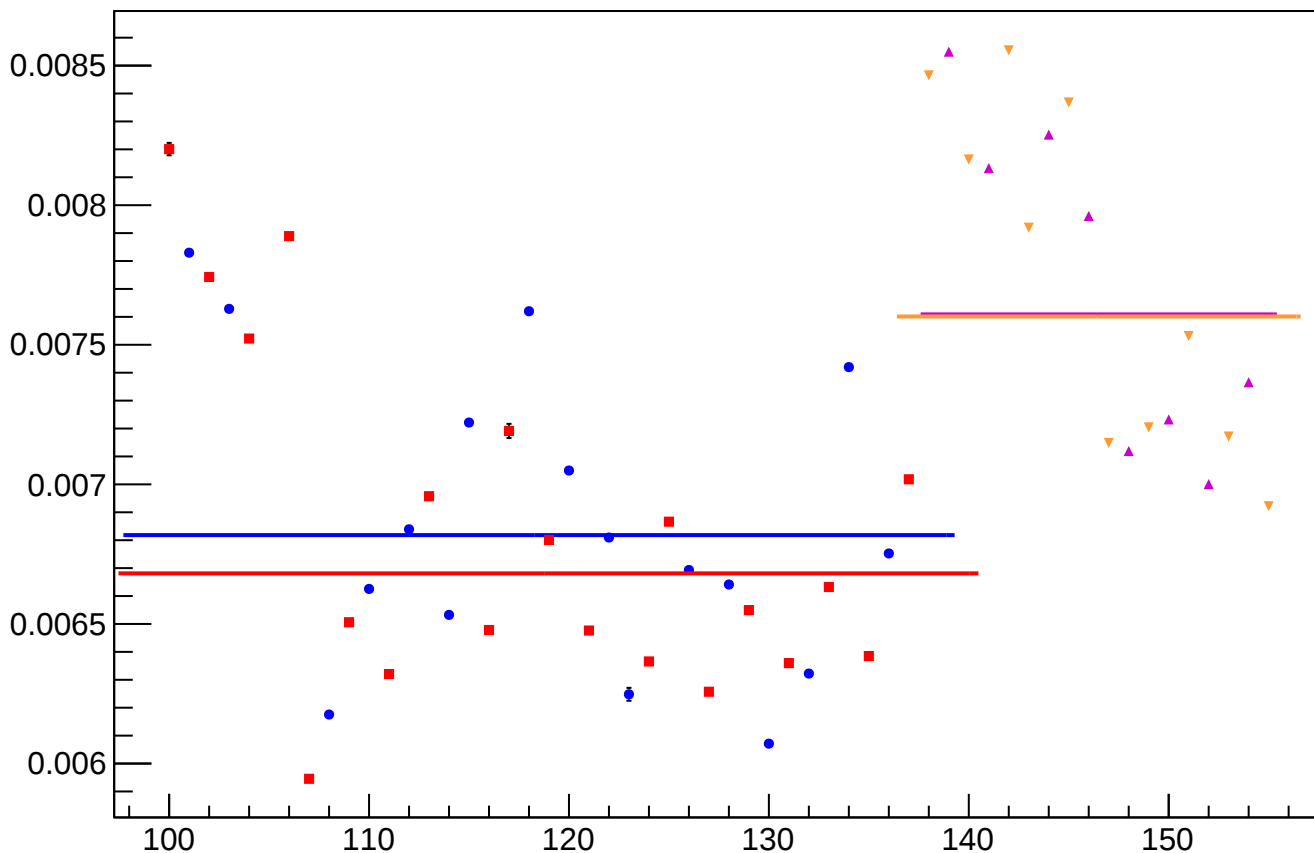
2.224+/-0.000 χ^2/NDF : 69265505473.1/26

Right Out: 1.940+/-0.000 χ^2/NDF : 21732099424.5/19

2.192+/-0.000 χ^2/NDF : 82345560801.5/27

Left In: 2.549+/-0.000 χ^2/NDF : 37239559112.5/7

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

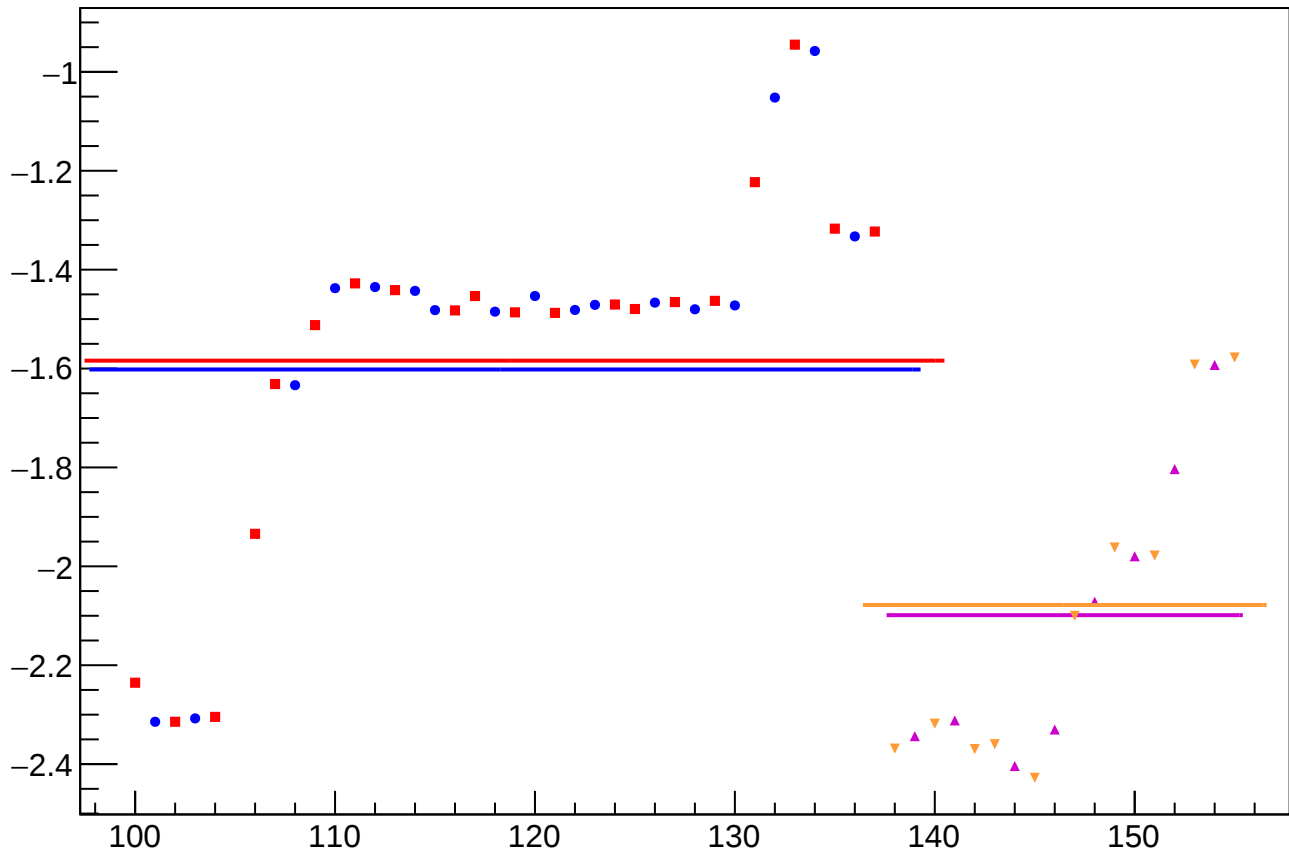
Right Out: 0.007+/-0.000 χ^2/NDF : 76121.2/19

Left In: 0.008+/-0.000 χ^2/NDF : 60957.2/7

0.007+/-0.000 χ^2/NDF : 230721.9/26

0.007+/-0.000 χ^2/NDF : 245771.9/27

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

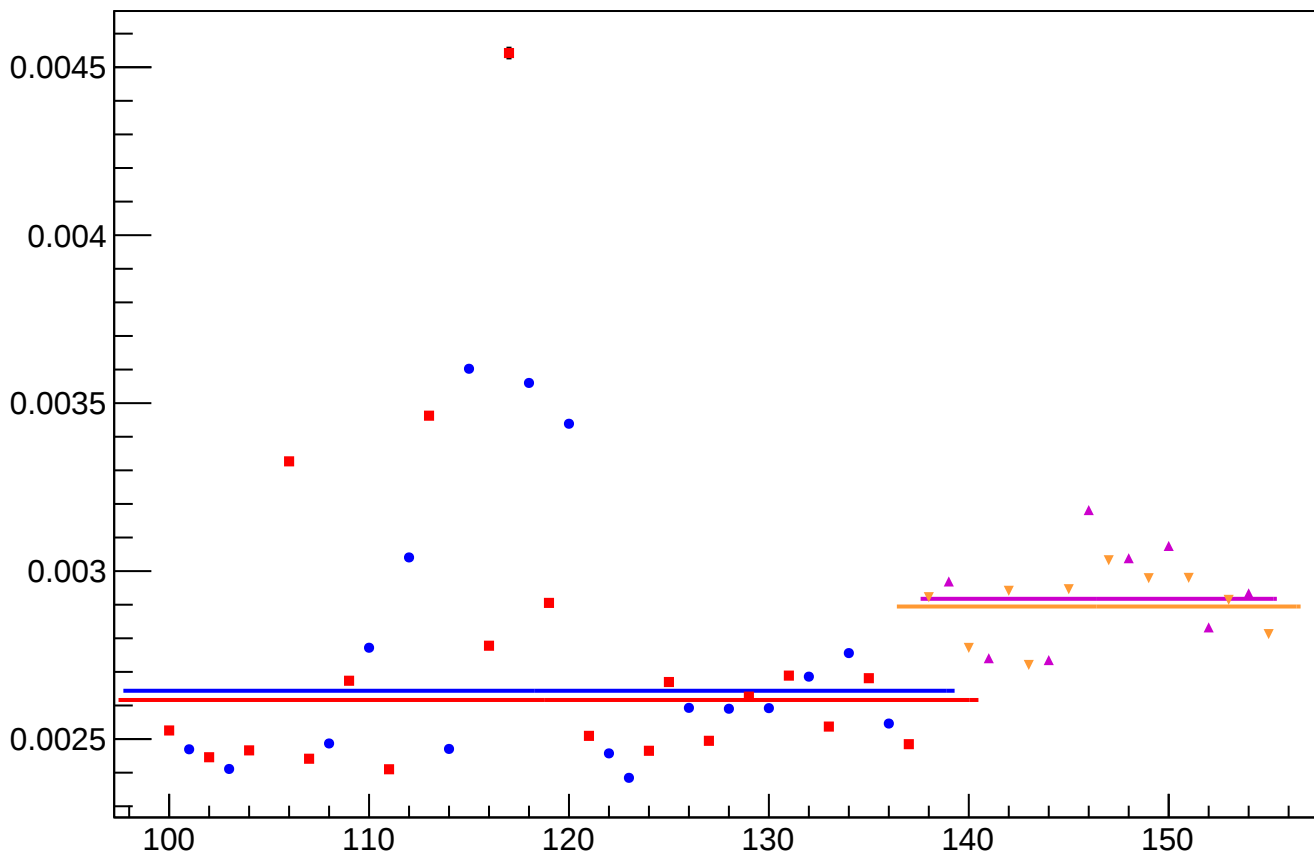
-1.828+/-0.000 χ^2/NDF : 317427798107.8/26

Right Out: -1.584+/-0.000 χ^2/NDF : 143612120137.8/19

-1.801+/-0.000 χ^2/NDF : 310406660014.4/27

Left In: -2.099+/-0.000 χ^2/NDF : 57157836531.5/7

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

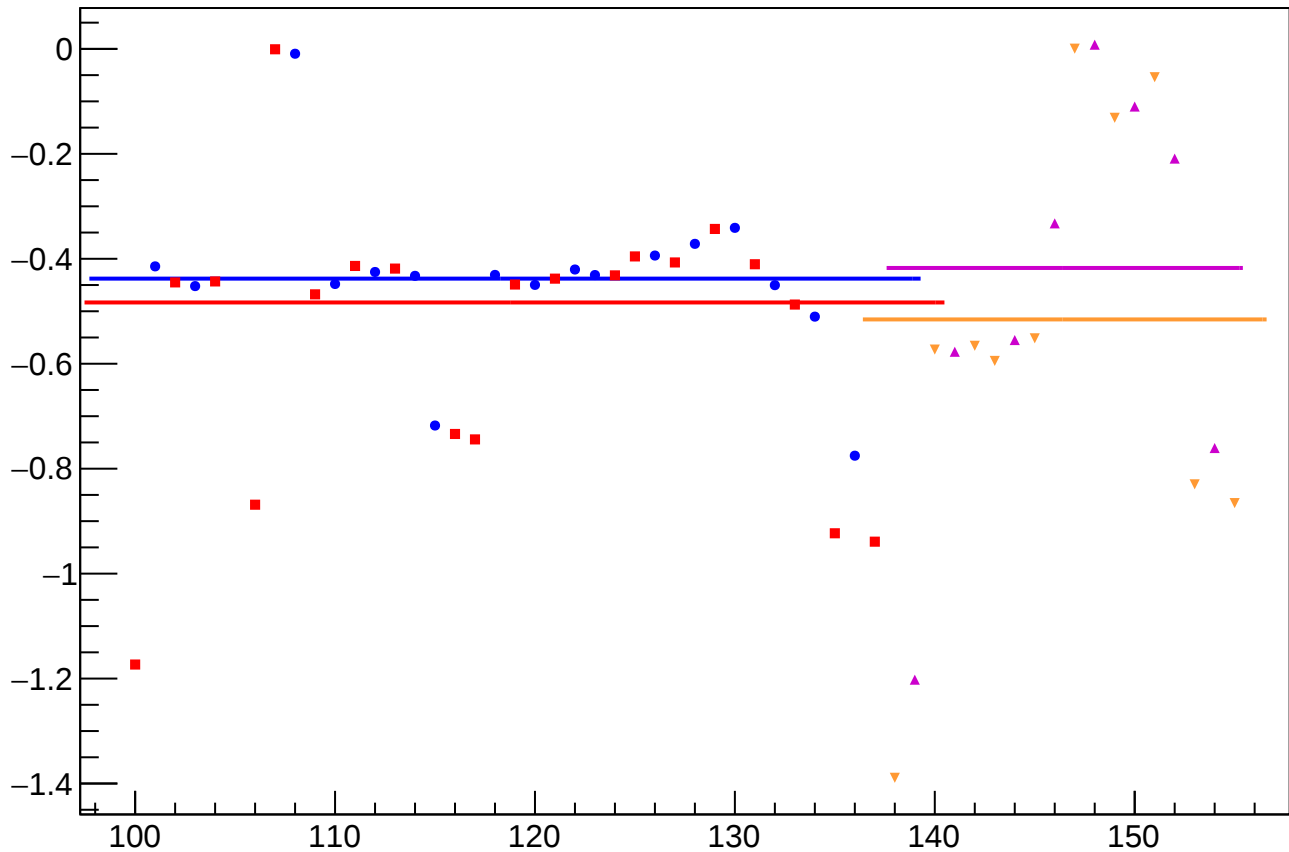
Right Out: 0.003+/-0.000 χ^2/NDF : 119852.1/19

Left In: 0.003+/-0.000 χ^2/NDF :32032.0/7

0.003+/-0.000 χ^2/NDF : 220393.8/26

0.003+/-0.000 χ^2/NDF : 226956.7/27

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

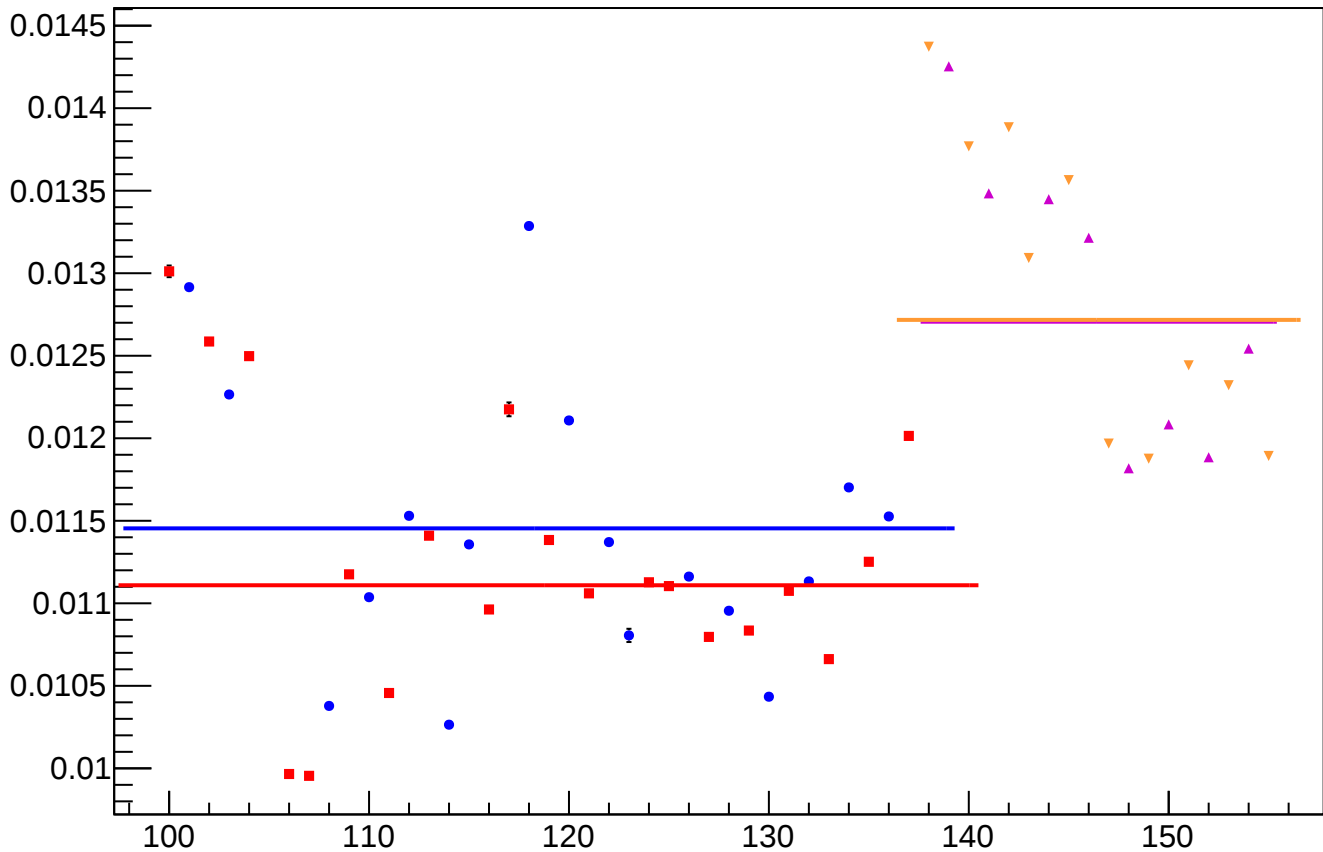
-0.474 ± 0.000 χ^2/NDF : 8593270011.8/26

Right Out: -0.483 ± 0.000 χ^2/NDF : 2714164016.2/19

-0.457 ± 0.000 χ^2/NDF : 7407482552.7/27

Left In: -0.417 ± 0.000 χ^2/NDF : 4594564735.5/7

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

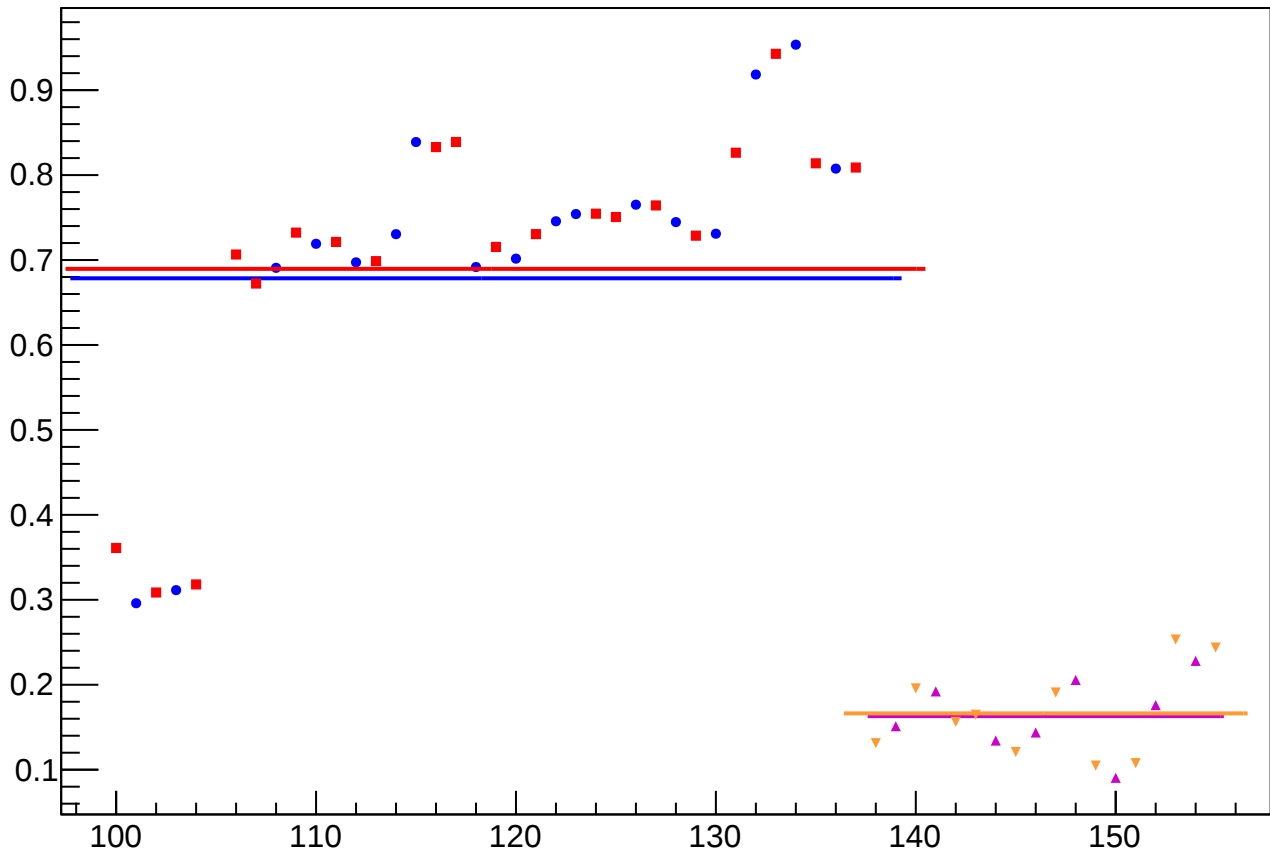
Right Out: 0.011+/-0.000 χ^2/NDF : 56696.9/19

Left In: 0.013+/-0.000 χ^2/NDF : 48767.9/7

0.012+/-0.000 χ^2/NDF : 200168.5/26

0.012+/-0.000 χ^2/NDF : 221964.7/27

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

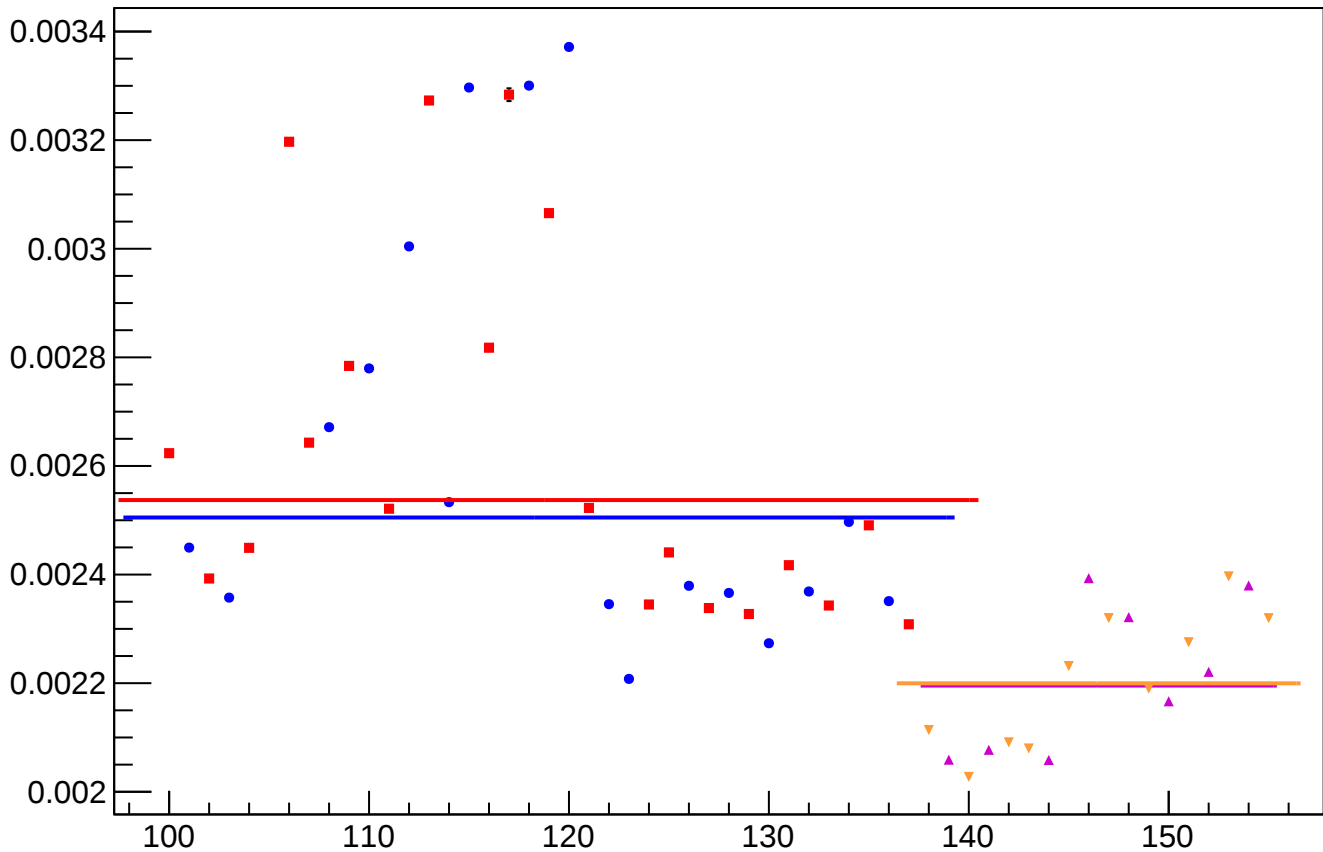
0.373 $\pm$ 0.000 χ^2 /NDF: 201011414759.0/26

Right Out: 0.690 $\pm$ 0.000 χ^2 /NDF: 35439496983.3/19

0.394 $\pm$ 0.000 χ^2 /NDF: 200368116864.3/27

Left In: 0.163 $\pm$ 0.000 χ^2 /NDF: 2290808655.2/7

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

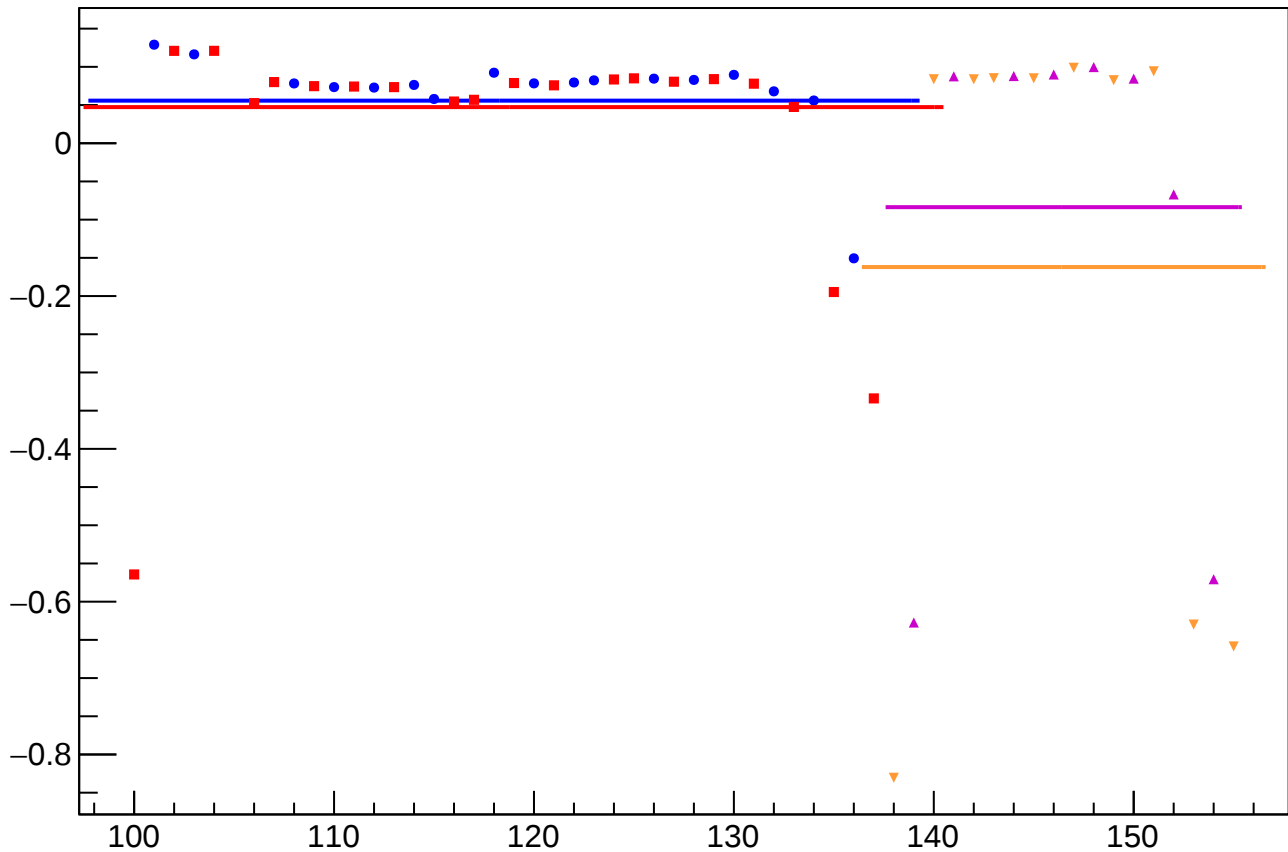
Right Out: 0.003+/-0.000 χ^2/NDF : 135649.7/19

Left In: 0.002+/-0.000 χ^2/NDF : 45042.0/7

0.002+/-0.000 χ^2/NDF : 329867.9/26

0.002+/-0.000 χ^2/NDF : 317628.2/27

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

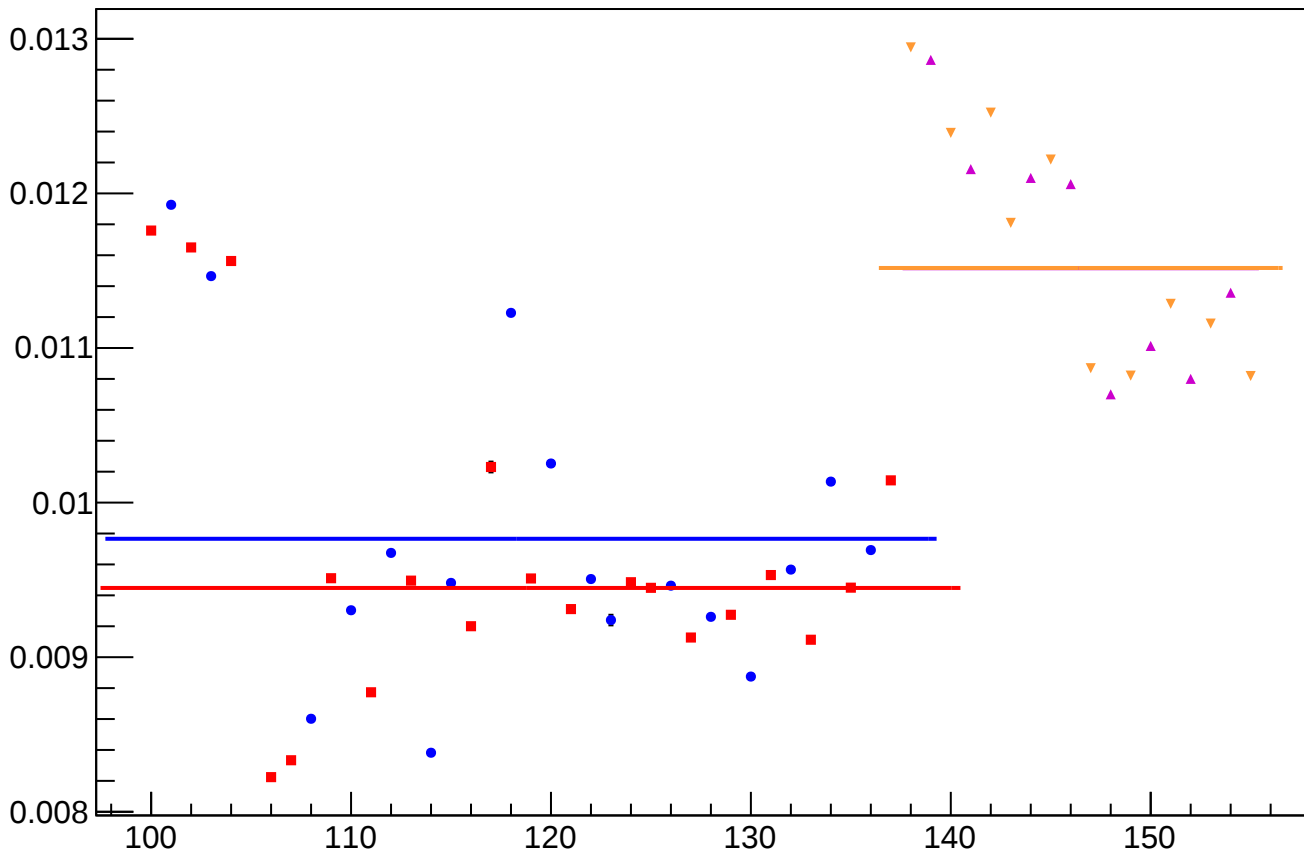
Right Out: 0.047+/-0.000 χ^2/NDF : 819626031.7/19

Left In: -0.084+/-0.000 χ^2/NDF : 3570096410.2/7

-0.040+/-0.000 χ^2/NDF : 8874856354.2/26

-0.002+/-0.000 χ^2/NDF : 4889761486.4/27

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

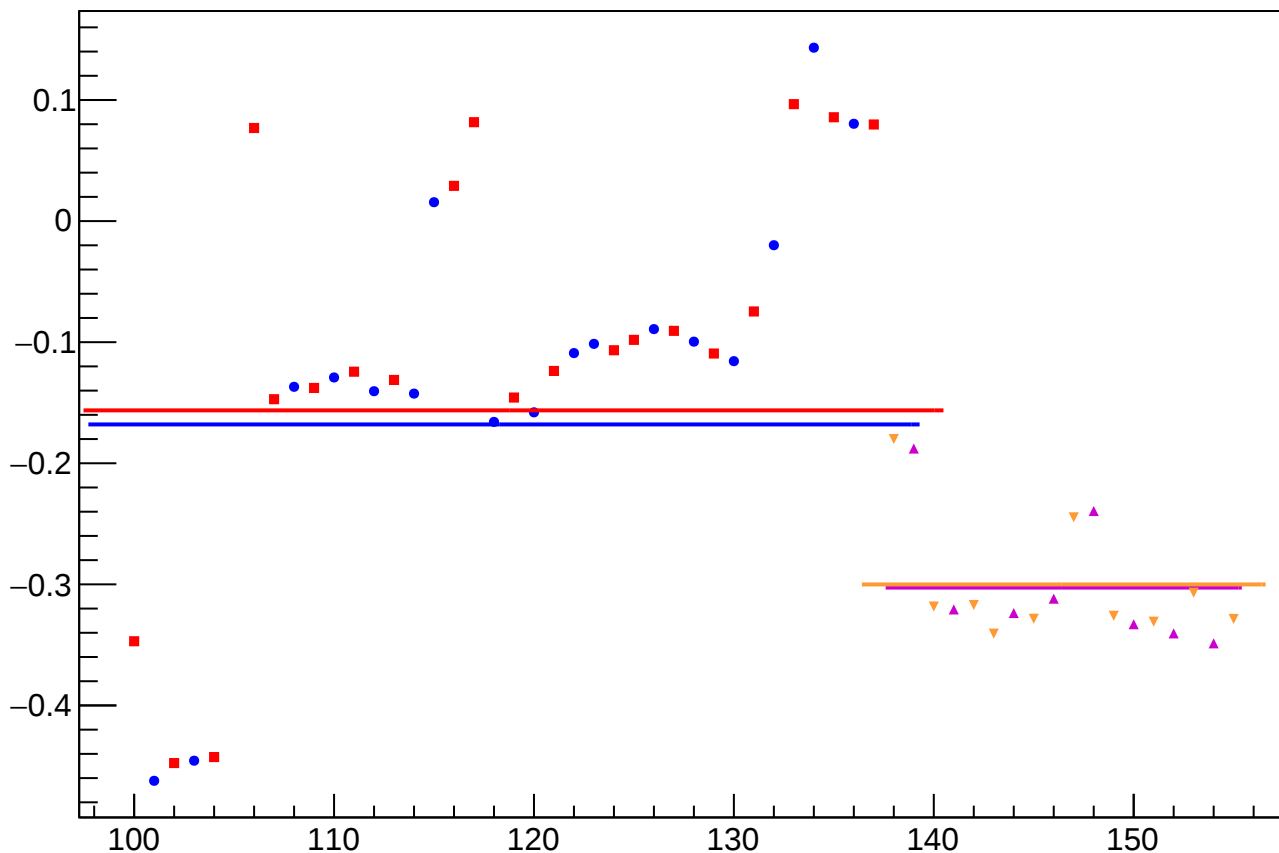
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 111197.0/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 45263.8/7

0.011 $\pm$ 0.000 χ^2 /NDF: 352833.1/26

0.010 $\pm$ 0.000 χ^2 /NDF: 405846.1/27

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

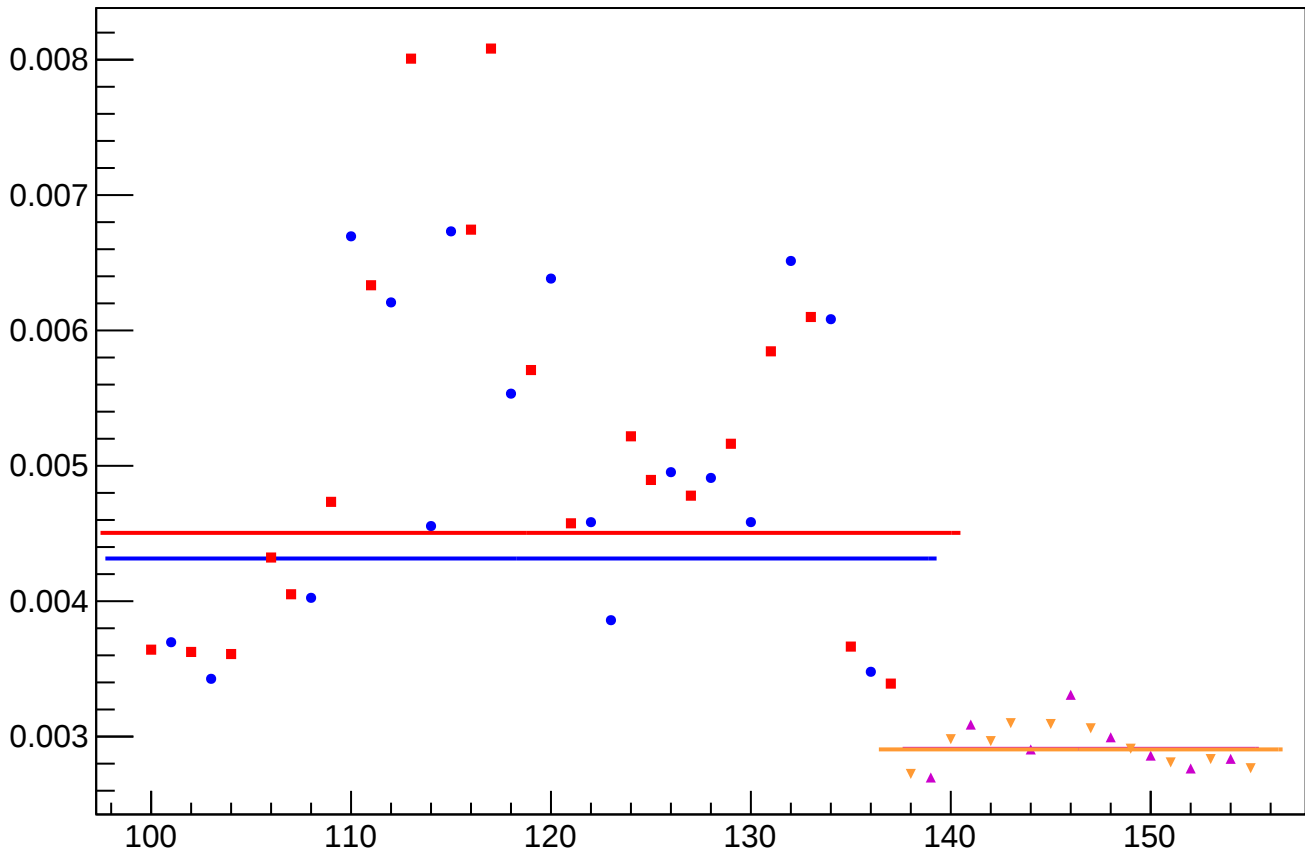
-0.264+/-0.000 χ^2/NDF : 18308862165.9/26

Right Out: -0.156+/-0.000 χ^2/NDF : 11061140252.3/19

-0.259+/-0.000 χ^2/NDF : 17758565750.2/27

Left In: -0.303+/-0.000 χ^2/NDF : 2069743808.9/7

yield_bpm0l08Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 619744.7/16

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF : 27819.8/9

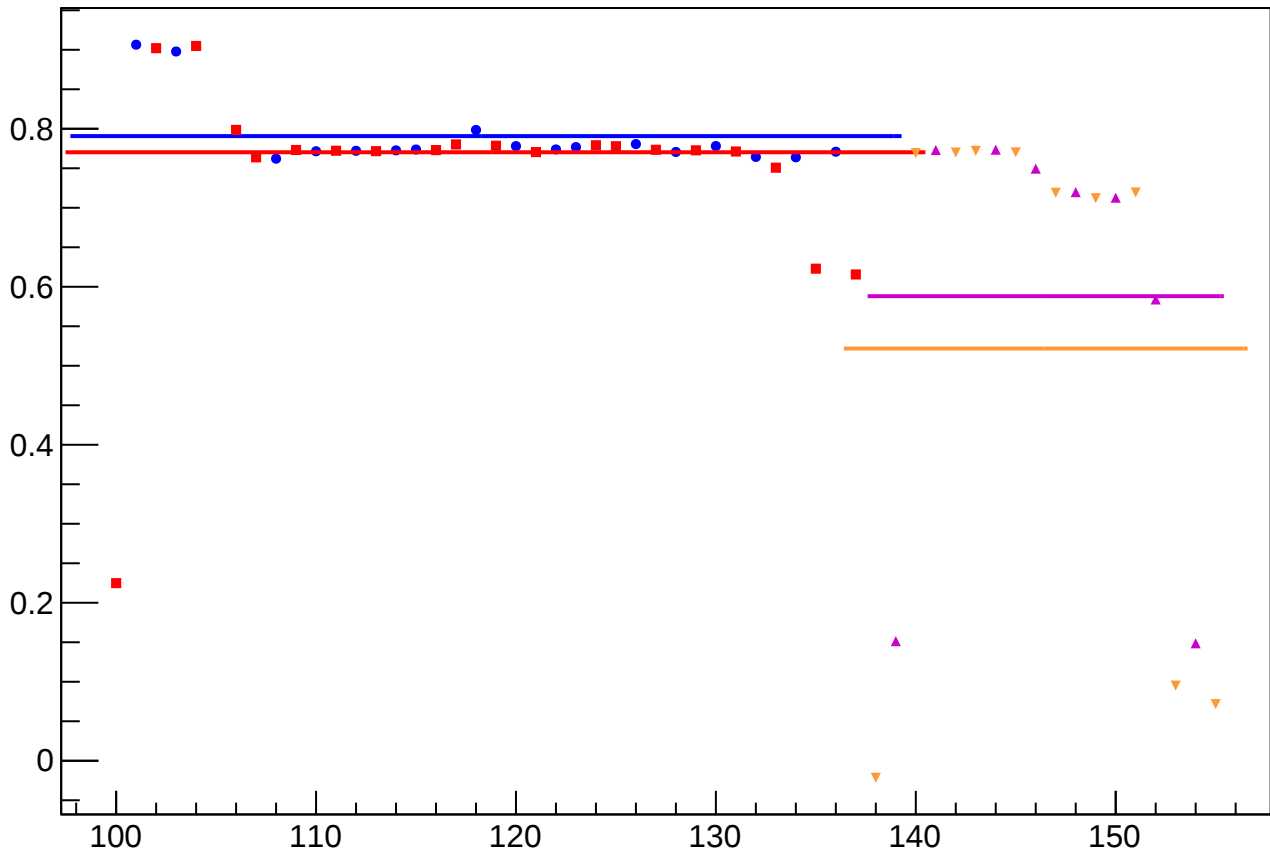
Right Out: 0.005 $\pm$ 0.000 χ^2/NDF : 665152.6/19

Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 41154.9/7

0.003 $\pm$ 0.000 χ^2/NDF : 1545812.3/26

0.003 $\pm$ 0.000 χ^2/NDF : 1806029.9/27

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106705767.1/16

Left Out: 0.522 $\pm$ 0.000 χ^2 /NDF: 5749573516.8/9

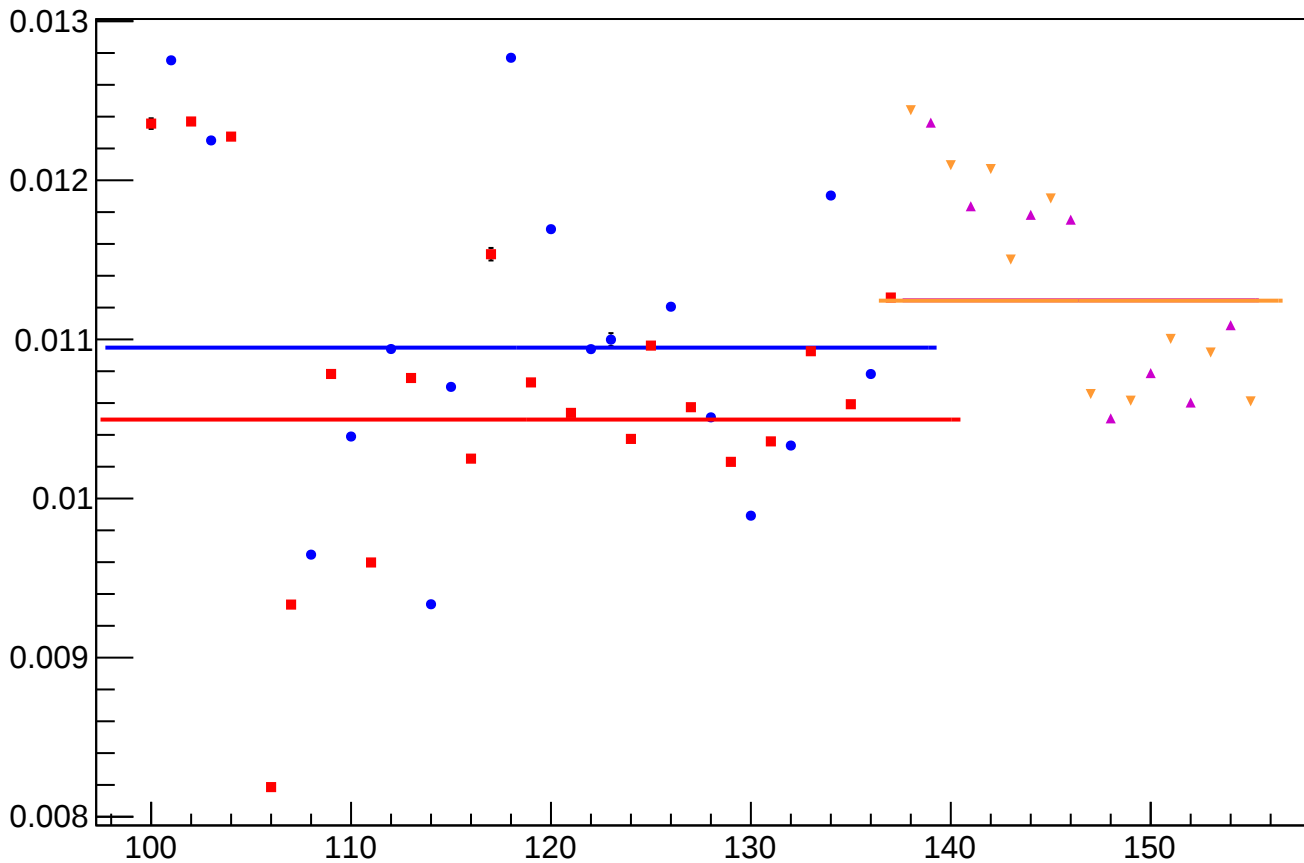
Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375473971.0/19

Left In: 0.588 $\pm$ 0.000 χ^2 /NDF: 2882737455.1/7

0.654 $\pm$ 0.000 χ^2 /NDF: 7832698759.9/26

0.690 $\pm$ 0.000 χ^2 /NDF: 4176366890.3/27

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

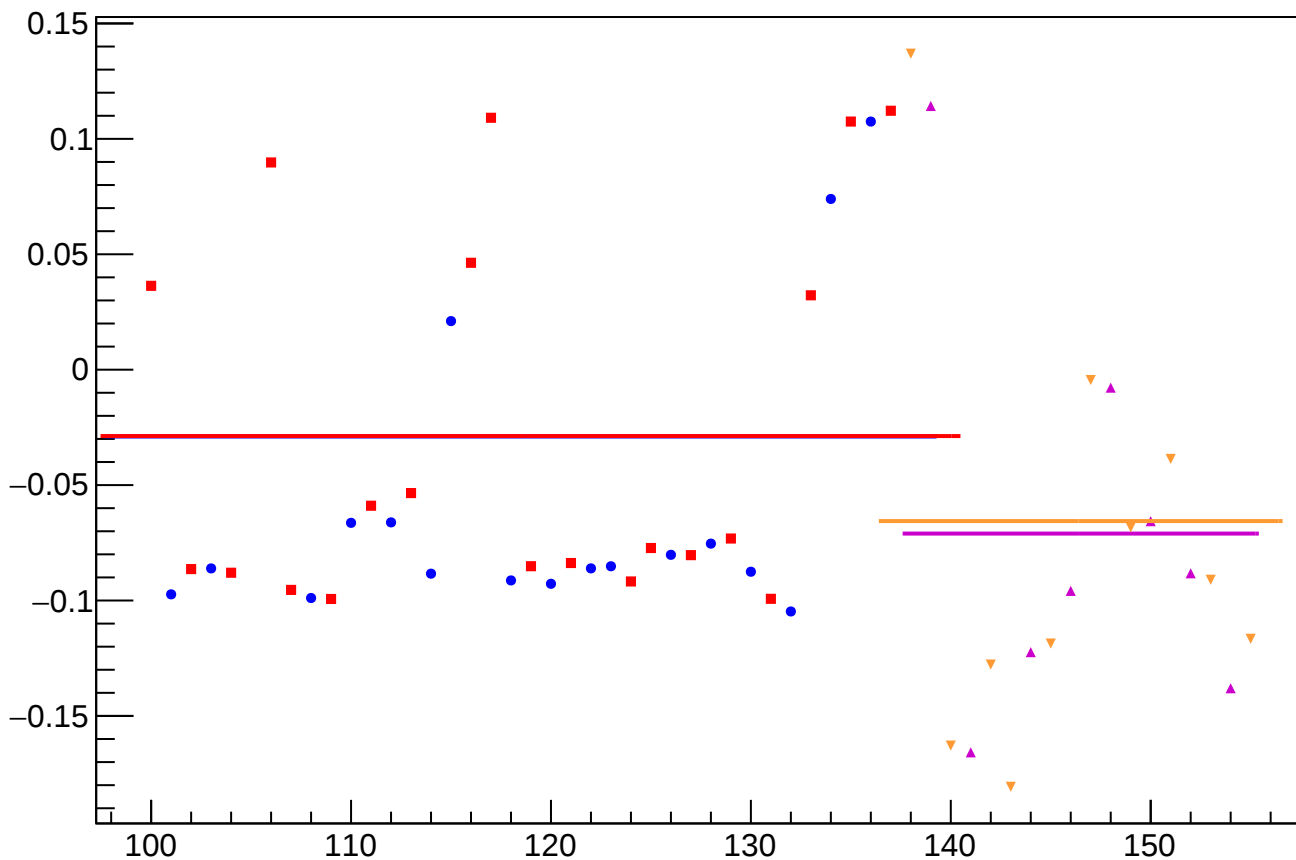
Right Out: 0.010+/-0.000 χ^2/NDF : 120120.6/19

Left In: 0.011+/-0.000 χ^2/NDF : 37853.6/7

0.011+/-0.000 χ^2/NDF : 149616.8/26

0.011+/-0.000 χ^2/NDF : 189050.0/27

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

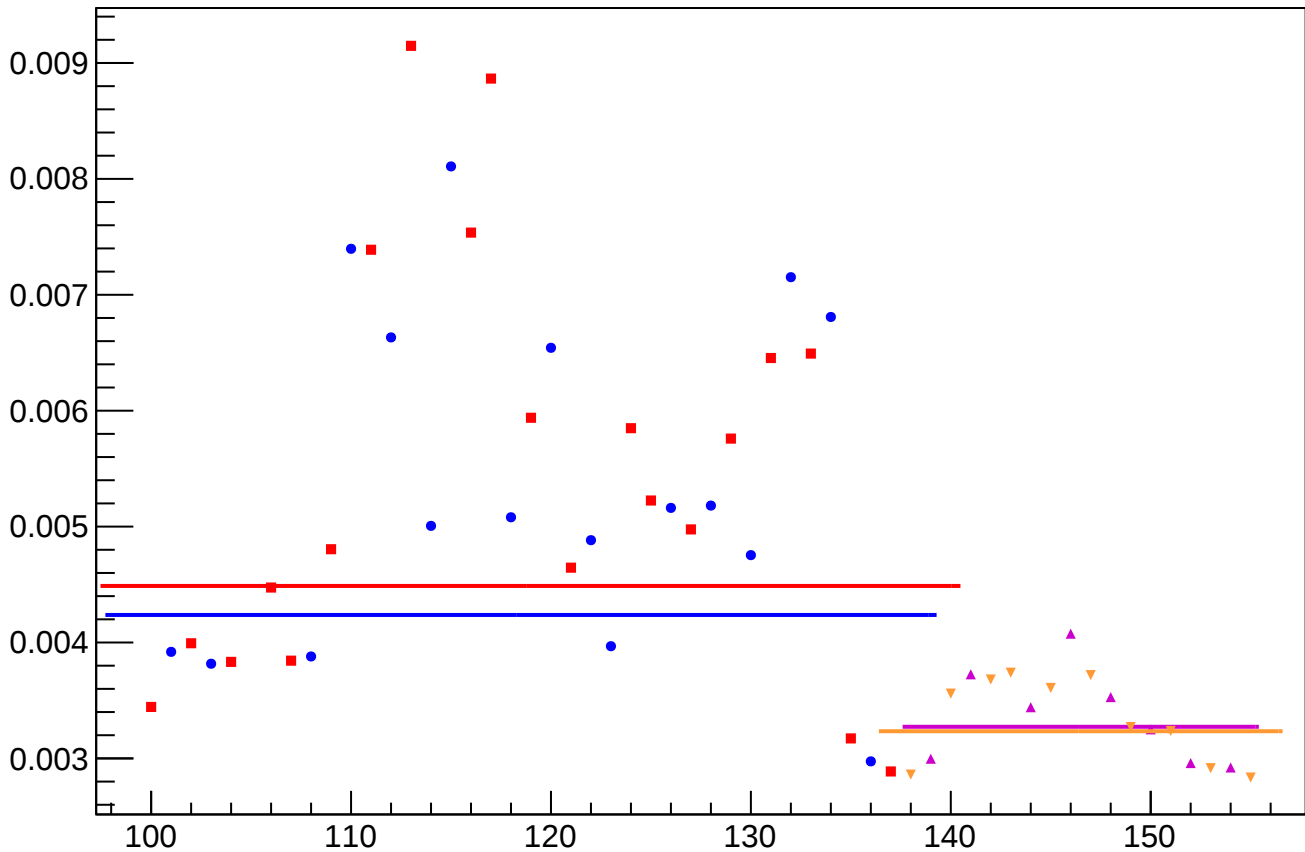
-0.054+/-0.000 χ^2/NDF : 7900401889.7/26

Right Out: -0.029+/-0.000 χ^2/NDF : 2122918772.1/19

-0.056+/-0.000 χ^2/NDF : 6288443965.3/27

Left In: -0.071+/-0.000 χ^2/NDF : 3825143459.1/7

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

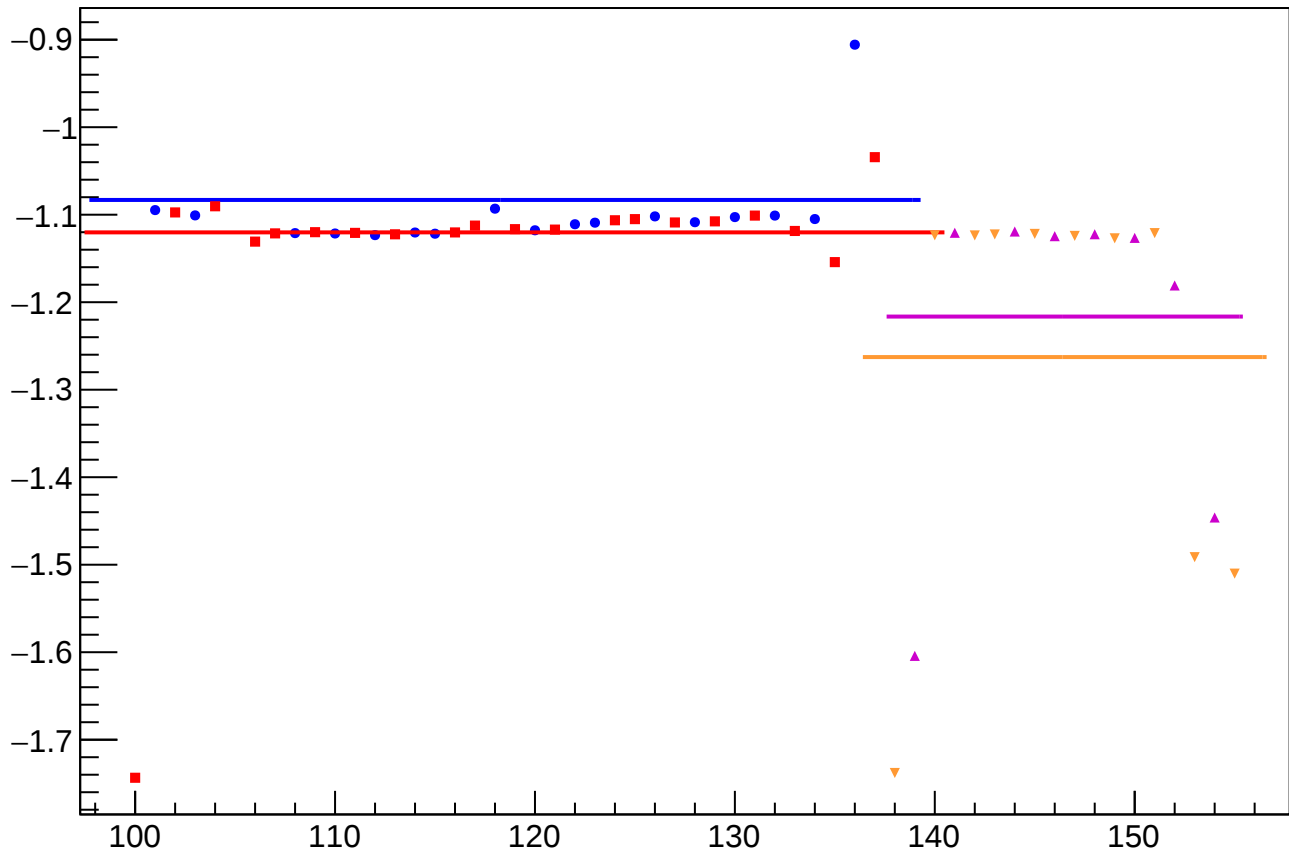
Right Out: 0.004+/-0.000 χ^2/NDF : 1003473.4/19

Left In: 0.003+/-0.000 χ^2/NDF :137590.4/7

0.004+/-0.000 χ^2/NDF : 1451205.5/26

0.004+/-0.000 χ^2/NDF : 1704266.6/27

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

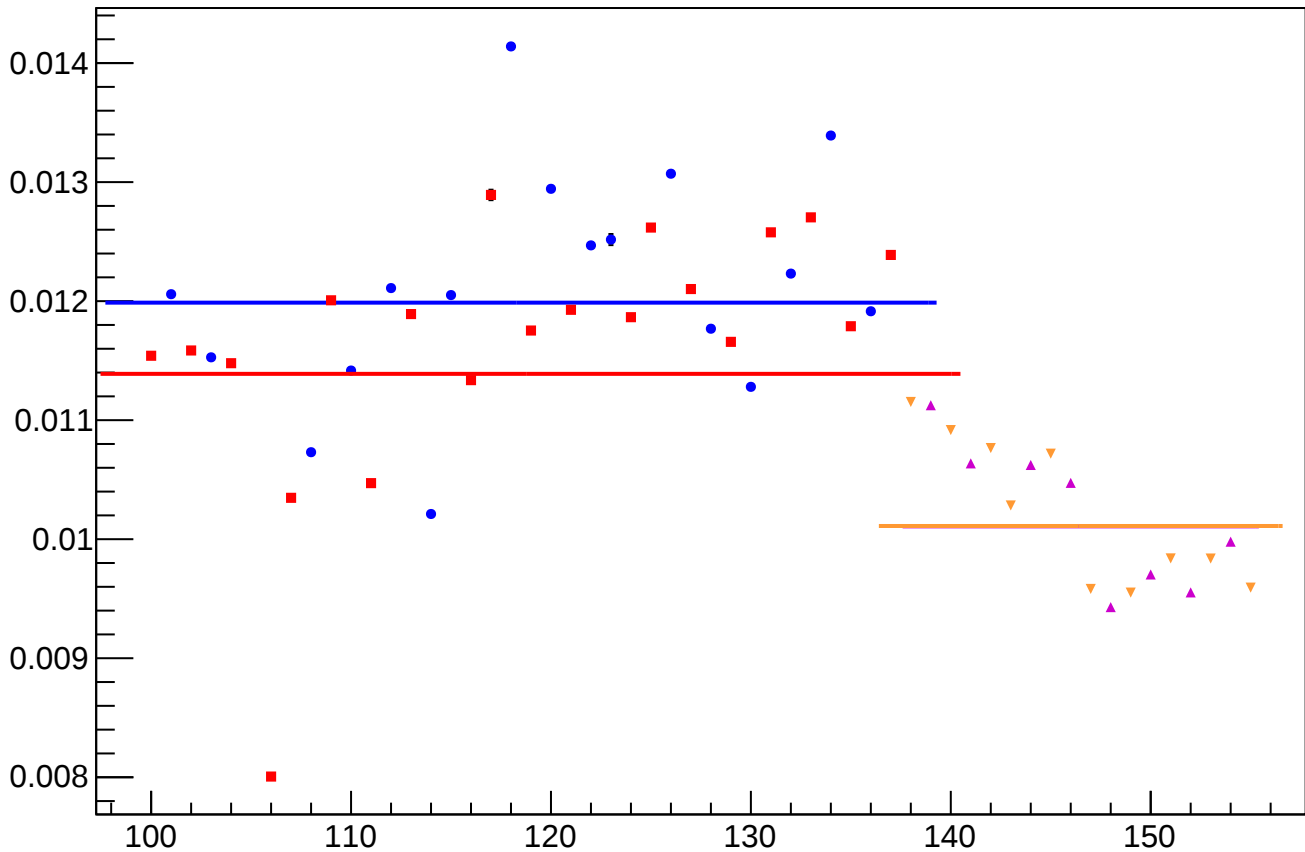
Right Out: -1.120+/-0.000 χ^2/NDF : 220586820.0/19

Left In: -1.216+/-0.000 χ^2/NDF : 1592184108.7/7

-1.192+/-0.000 χ^2/NDF : 4179207826.5/26

-1.172+/-0.000 χ^2/NDF : 2076448639.9/27

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

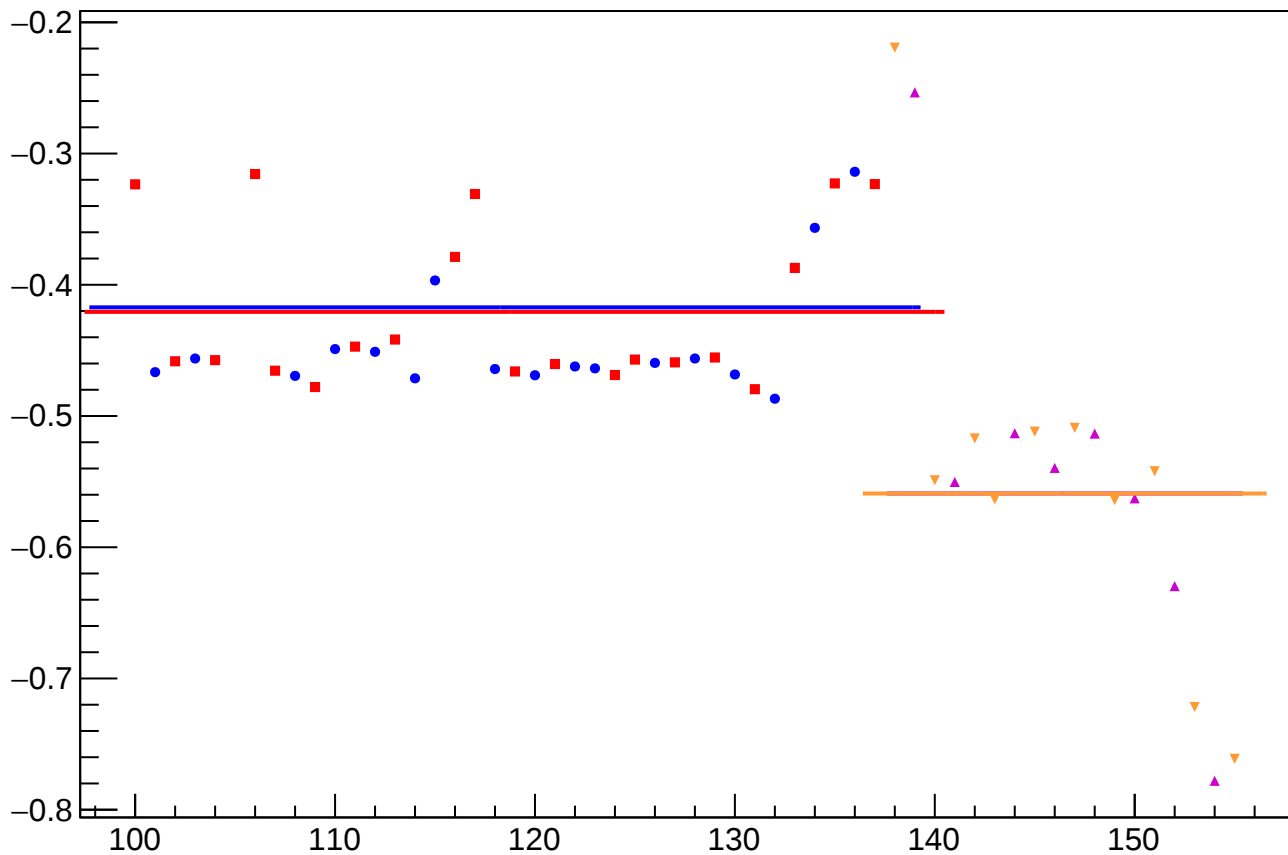
0.011+/-0.000 χ^2/NDF : 297004.1/26

Right Out: 0.011+/-0.000 χ^2/NDF : 155700.3/19

0.011+/-0.000 χ^2/NDF : 286730.4/27

Left In: 0.010+/-0.000 χ^2/NDF :37492.5/7

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

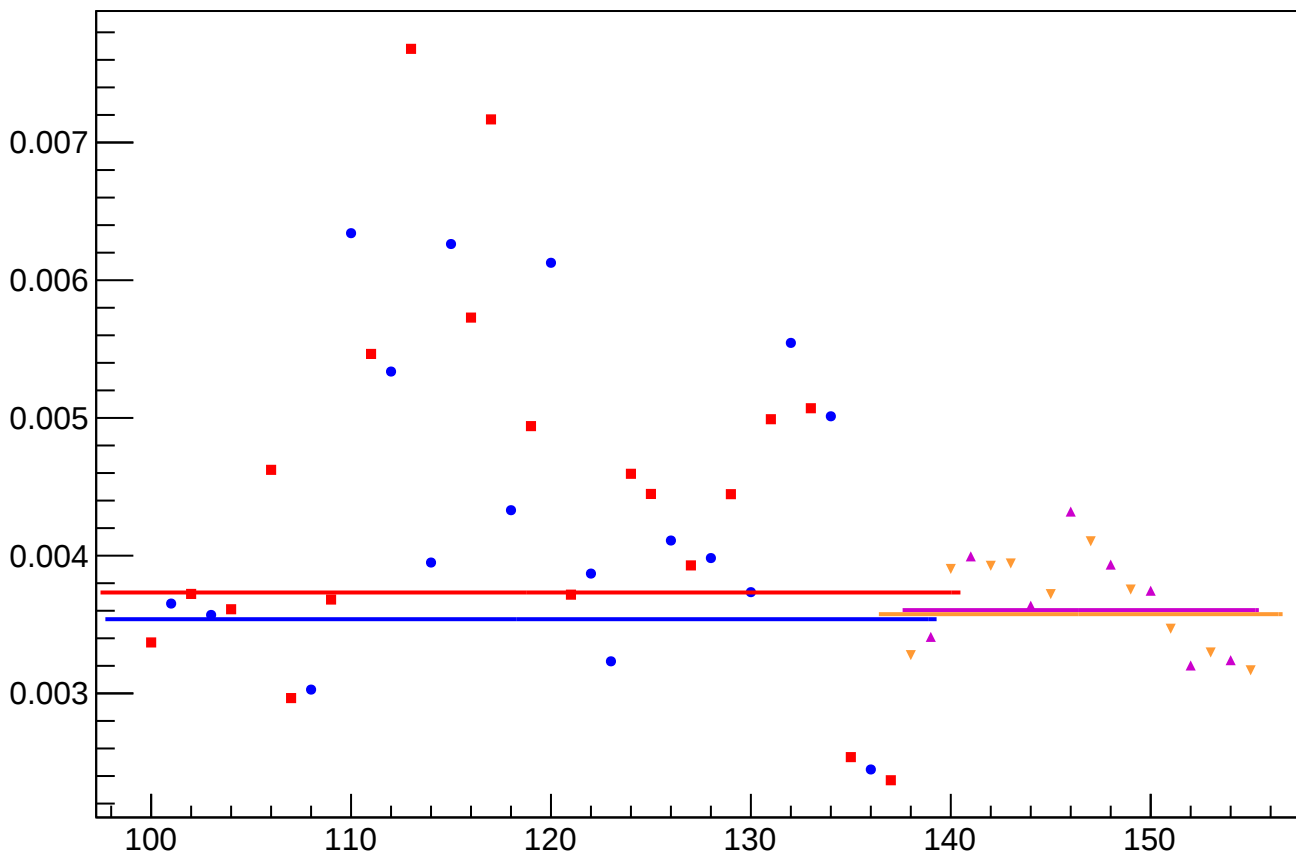
Right Out: -0.421+/-0.000 χ^2/NDF : 1652792044.5/19

Left In: -0.559+/-0.000 χ^2/NDF : 9417291449.6/7

-0.495+/-0.000 χ^2/NDF : 19137727924.8/26

-0.492+/-0.000 χ^2/NDF : 15254110091.2/27

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 ± 0.000 $\chi^2/\text{NDF}: 836154.0/16$

Left Out: 0.004 ± 0.000 $\chi^2/\text{NDF}: 103806.2/9$

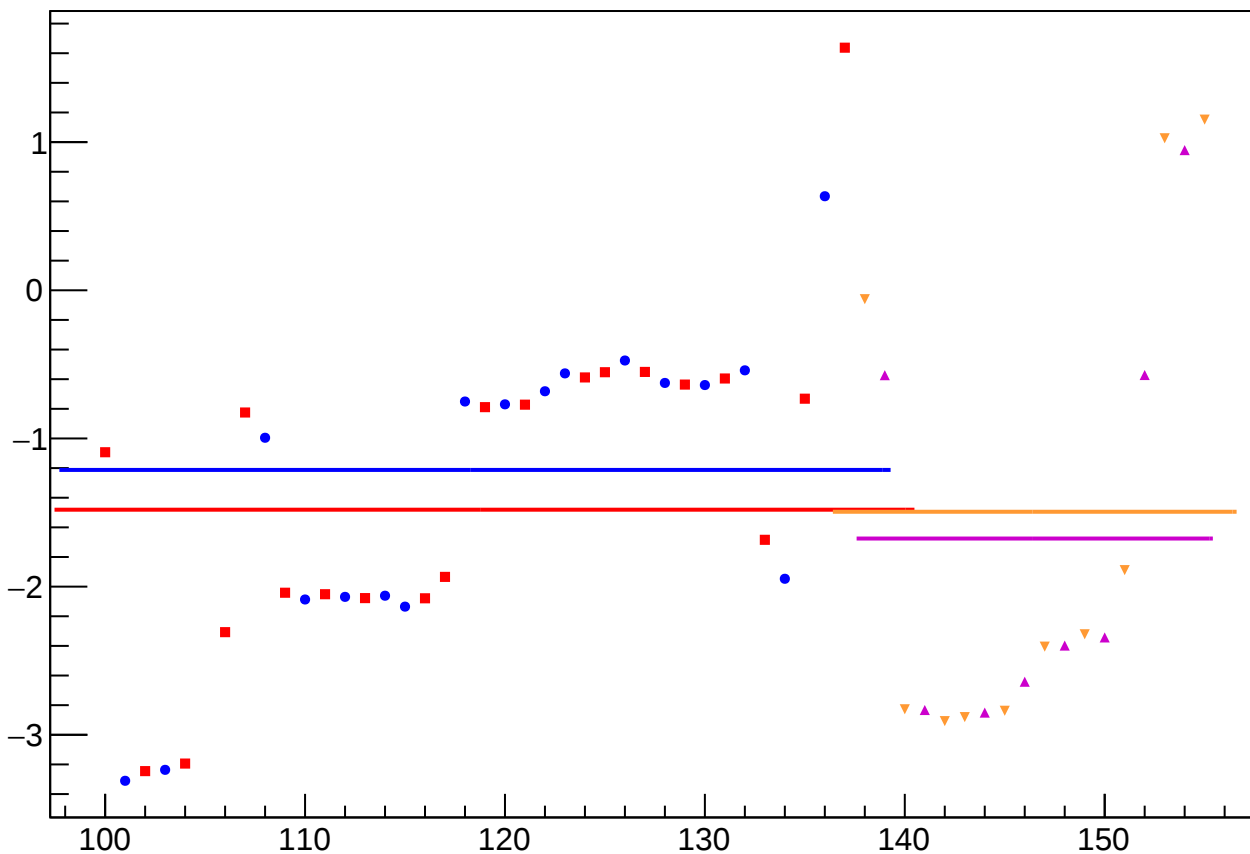
Right Out: 0.004 ± 0.000 $\chi^2/\text{NDF}: 916963.6/19$

Left In: 0.004 ± 0.000 $\chi^2/\text{NDF}: 112365.6/7$

0.004 ± 0.000 $\chi^2/\text{NDF}: 940592.5/26$

0.004 ± 0.000 $\chi^2/\text{NDF}: 1036480.9/27$

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

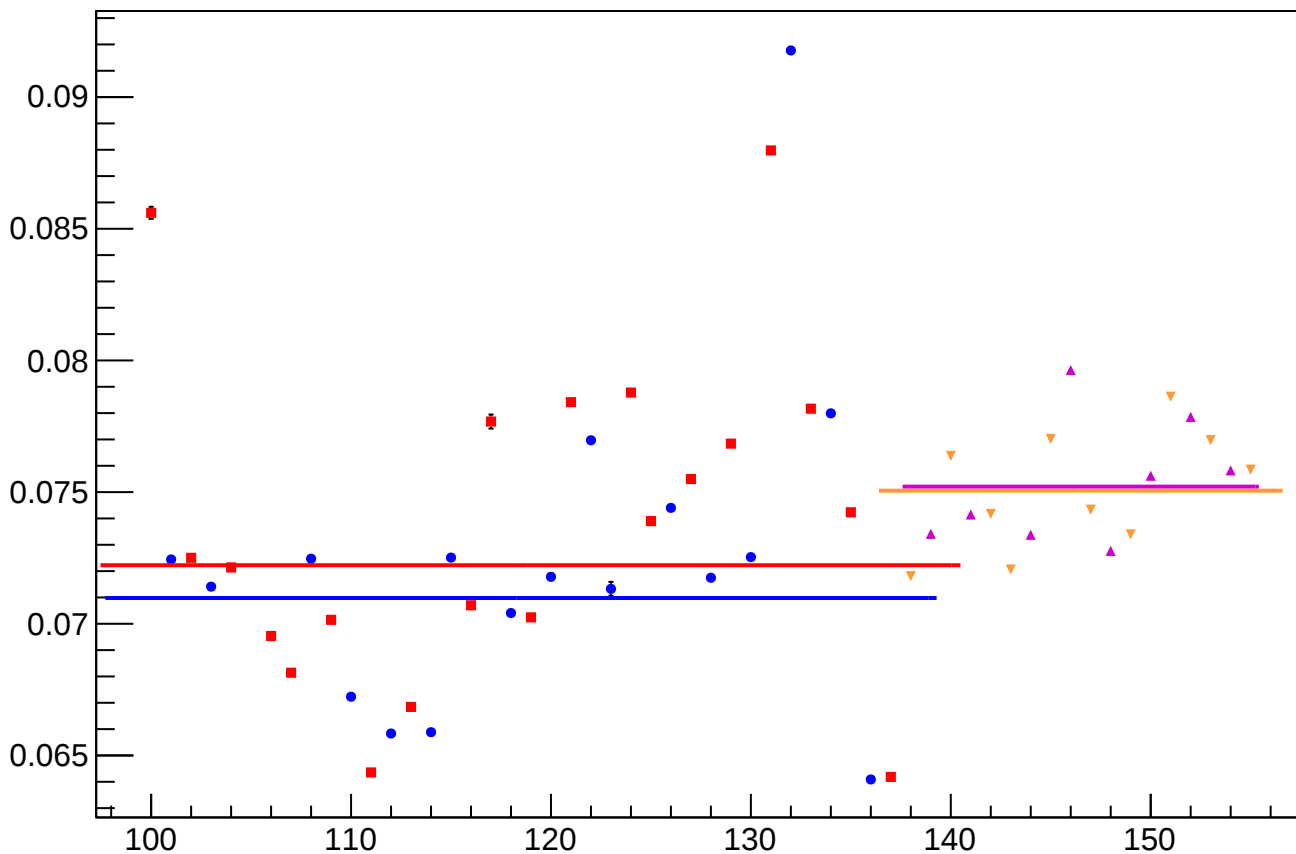
Right Out: -1.481+/-0.000 χ^2/NDF : 1579722113.8/19

Left In: -1.675+/-0.000 χ^2/NDF : 1985935096.4/7

-1.352+/-0.000 χ^2/NDF : 5218416905.9/26

-1.569+/-0.000 χ^2/NDF : 3588805447.5/27

yield_bpm0r03X_rms vs Slug



Right In: 0.071 ± 0.000 $\chi^2/\text{NDF}: 77589.5/16$

Left Out: 0.075 ± 0.000 $\chi^2/\text{NDF}: 12063.9/9$

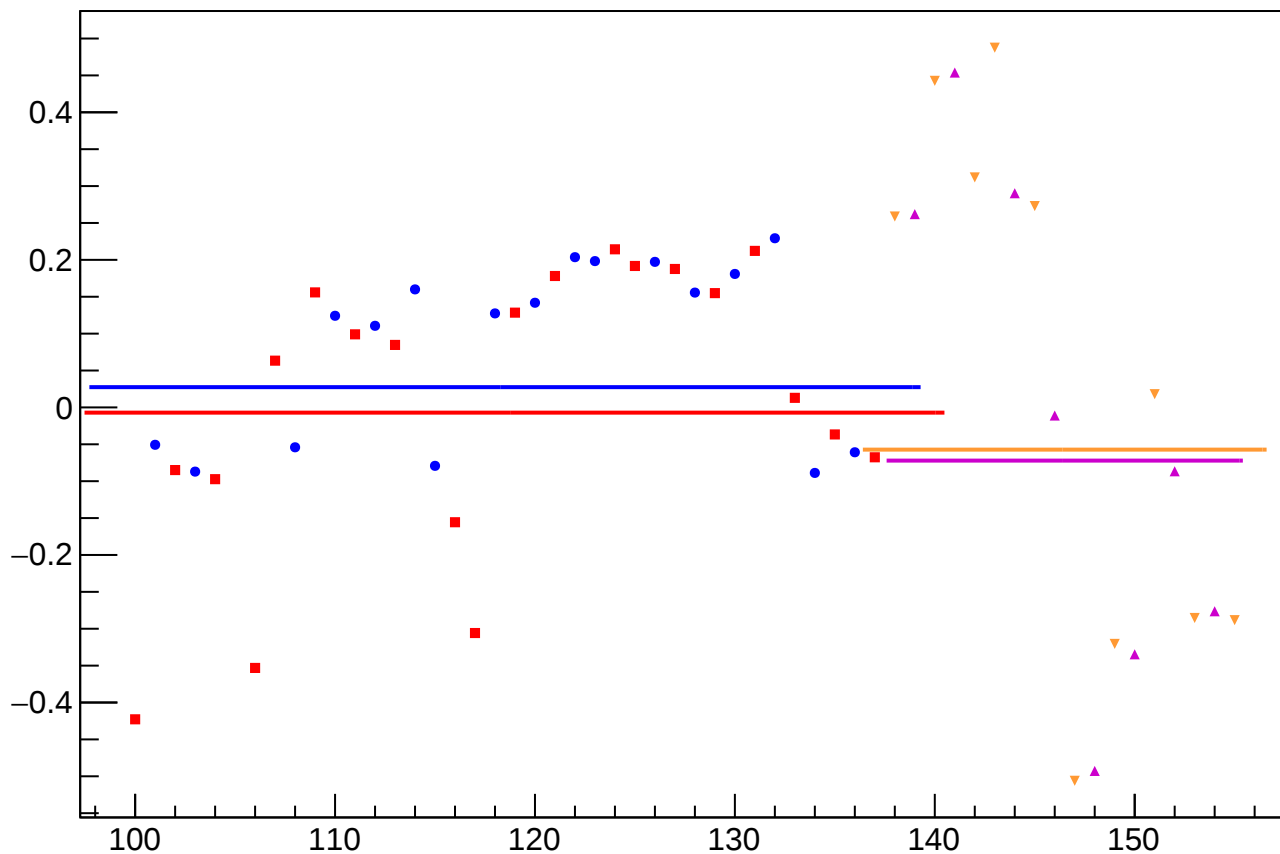
Right Out: 0.072 ± 0.000 $\chi^2/\text{NDF}: 73650.9/19$

Left In: 0.075 ± 0.000 $\chi^2/\text{NDF}: 10549.2/7$

0.073 ± 0.000 $\chi^2/\text{NDF}: 111067.6/26$

0.074 ± 0.000 $\chi^2/\text{NDF}: 95079.5/27$

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

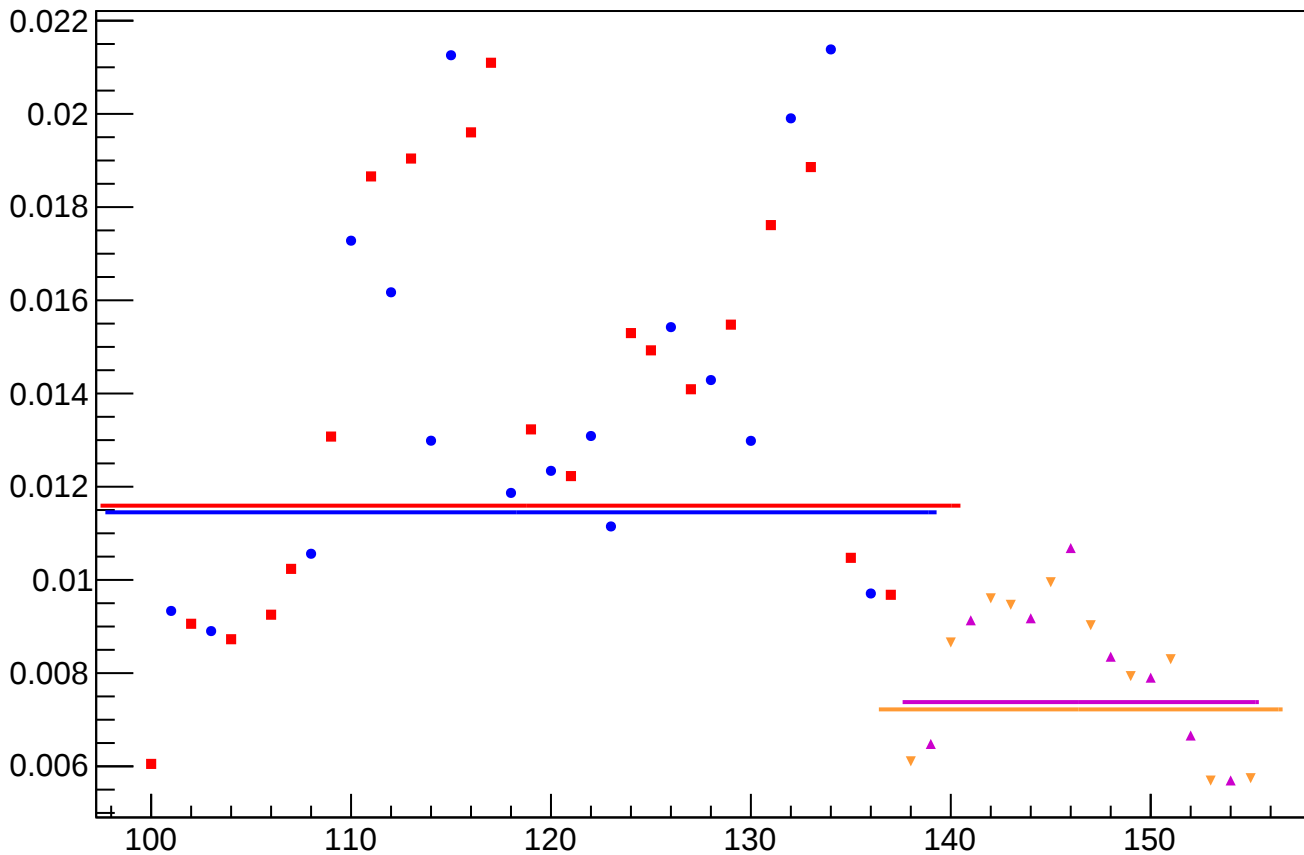
Right Out: -0.007+/-0.000 χ^2/NDF : 1207003891.2/19

Left In: -0.072+/-0.000 χ^2/NDF : 9287502199.1/7

-0.035+/-0.000 χ^2/NDF : 13225527408.6/26

-0.053+/-0.000 χ^2/NDF : 10626734625.5/27

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

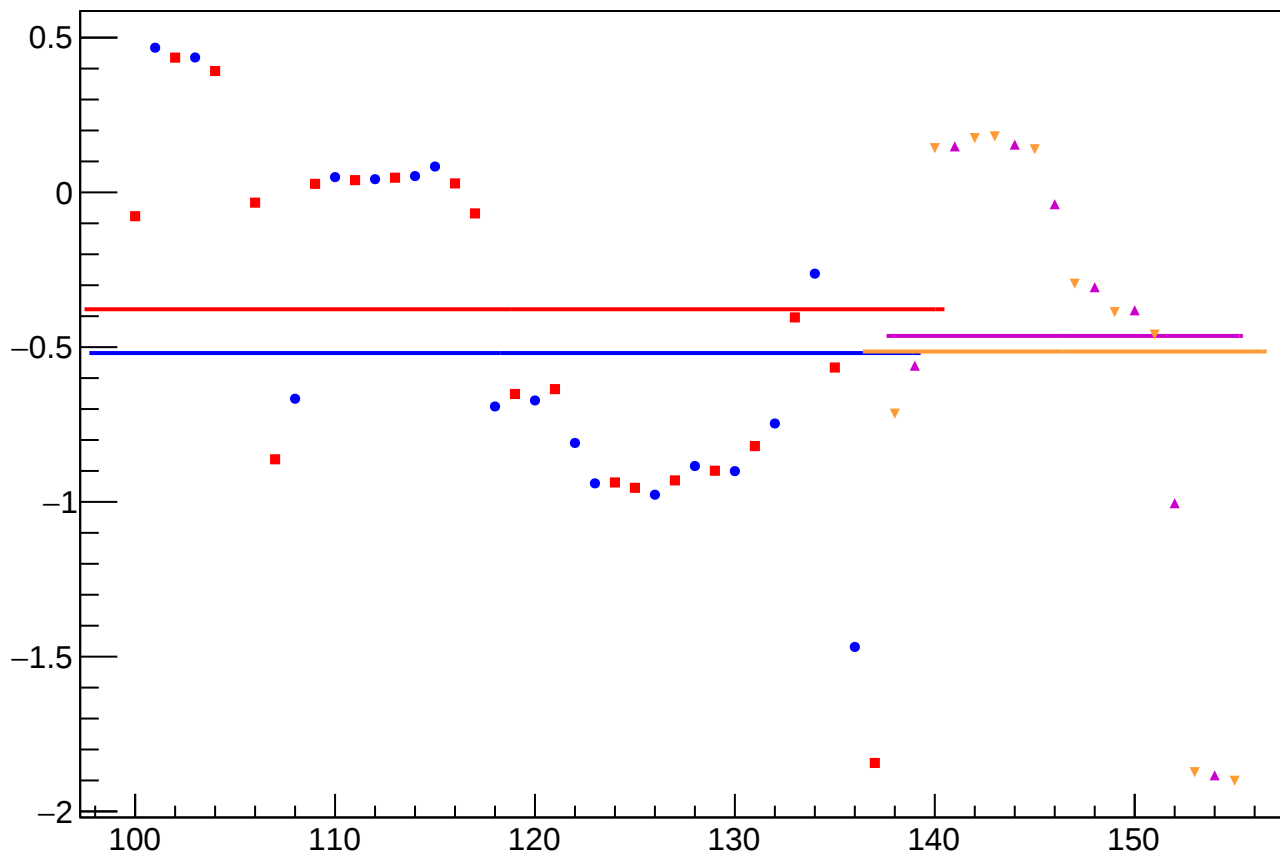
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 1012799.2/19

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:455513.0/7

0.008 $\pm$ 0.000 χ^2 /NDF: 2443119.4/26

0.009 $\pm$ 0.000 χ^2 /NDF: 2579938.8/27

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

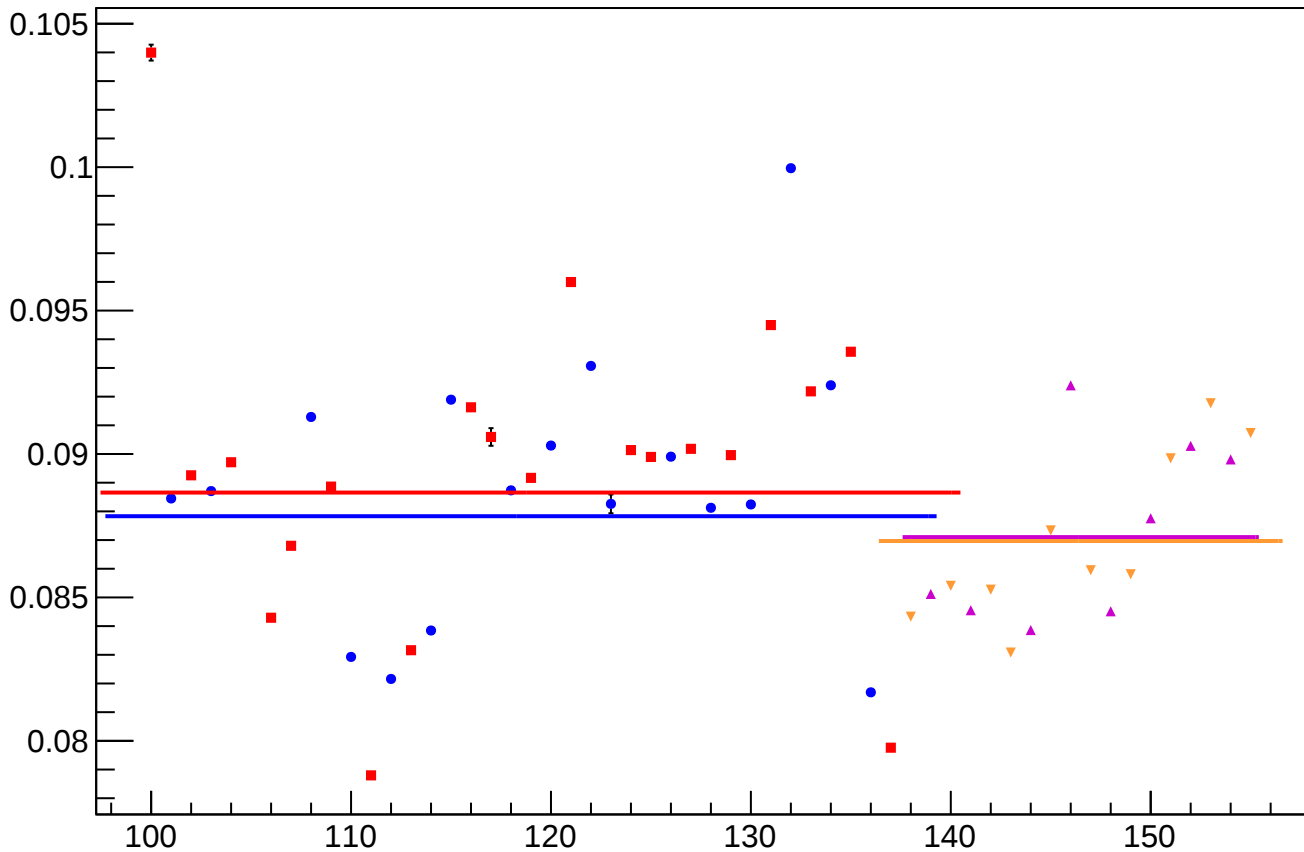
Right Out: -0.378+/-0.000 χ^2/NDF : 269130827.6/19

Left In: -0.464+/-0.000 χ^2/NDF : 351174533.0/7

-0.517+/-0.000 χ^2/NDF : 871996147.7/26

-0.419+/-0.000 χ^2/NDF : 623574230.1/27

yield_bpm0r05X_rms vs Slug



Right In: 0.088+/-0.000 χ^2/NDF : 34954.4/16

Left Out: 0.087+/-0.000 χ^2/NDF :14414.0/9

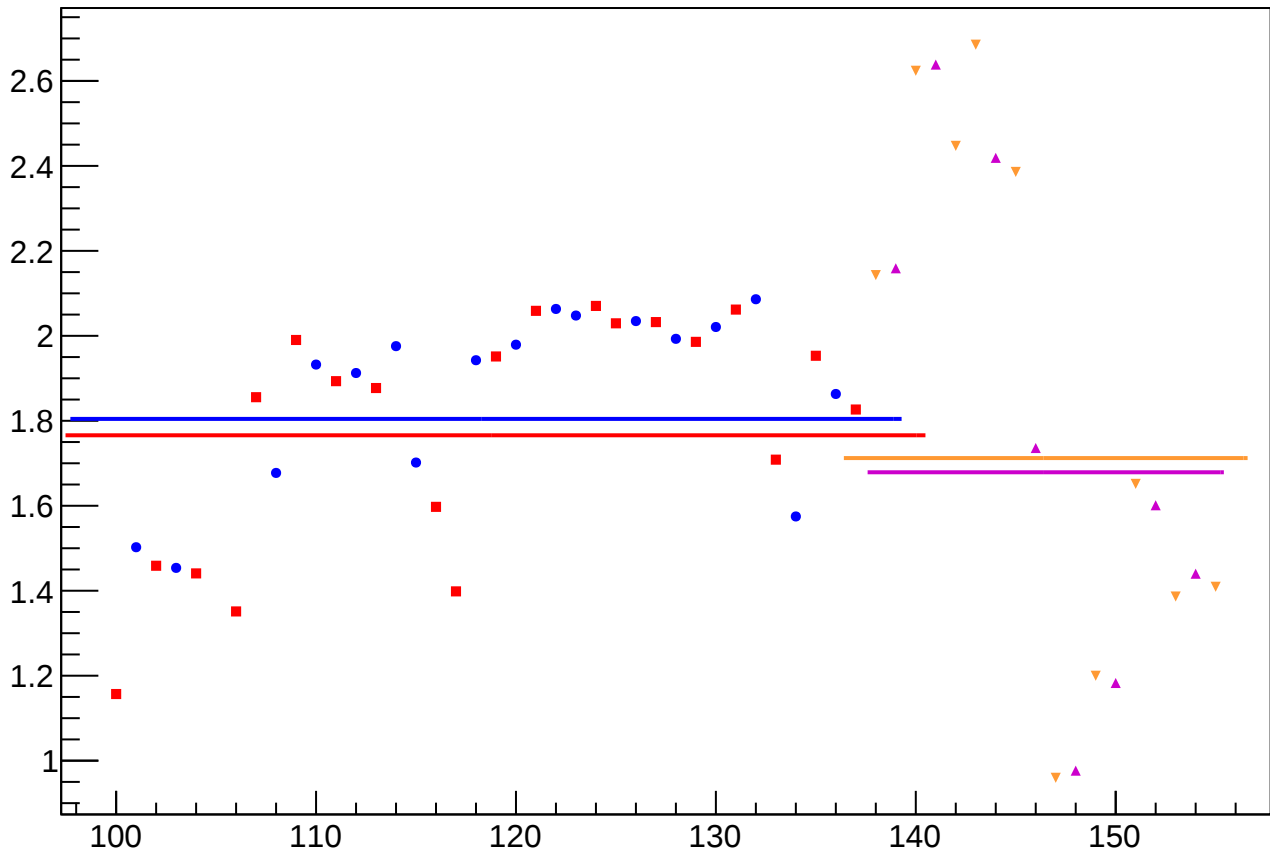
Right Out: 0.089+/-0.000 χ^2/NDF : 39762.8/19

Left In: 0.087+/-0.000 χ^2/NDF :15123.3/7

0.087+/-0.000 χ^2/NDF : 50050.4/26

0.088+/-0.000 χ^2/NDF : 57008.2/27

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

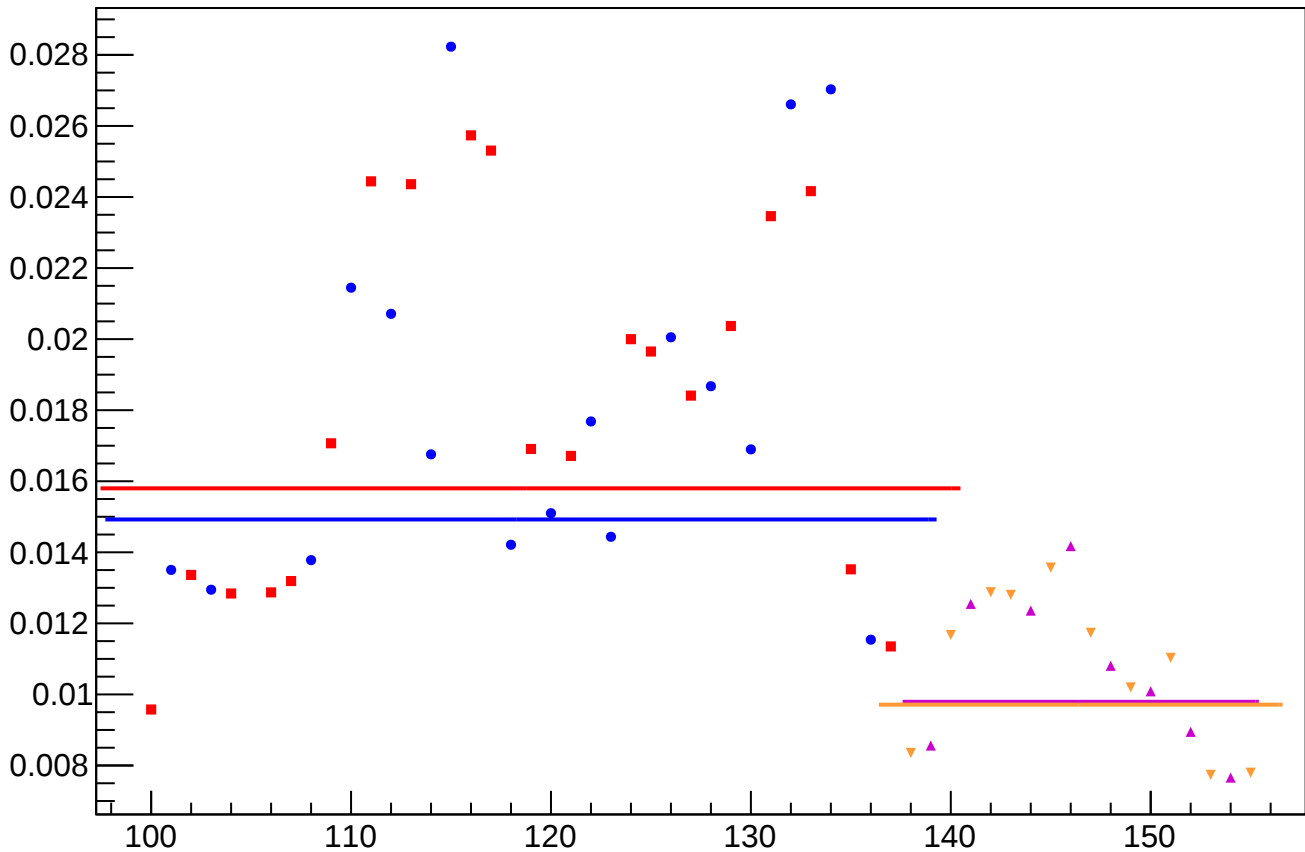
1.737+/-0.000 χ^2/NDF : 21045441404.2/26

Right Out: 1.766+/-0.000 χ^2/NDF : 1717275187.7/19

1.704+/-0.000 χ^2/NDF : 17145794836.9/27

Left In: 1.679+/-0.000 χ^2/NDF : 15296959953.6/7

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

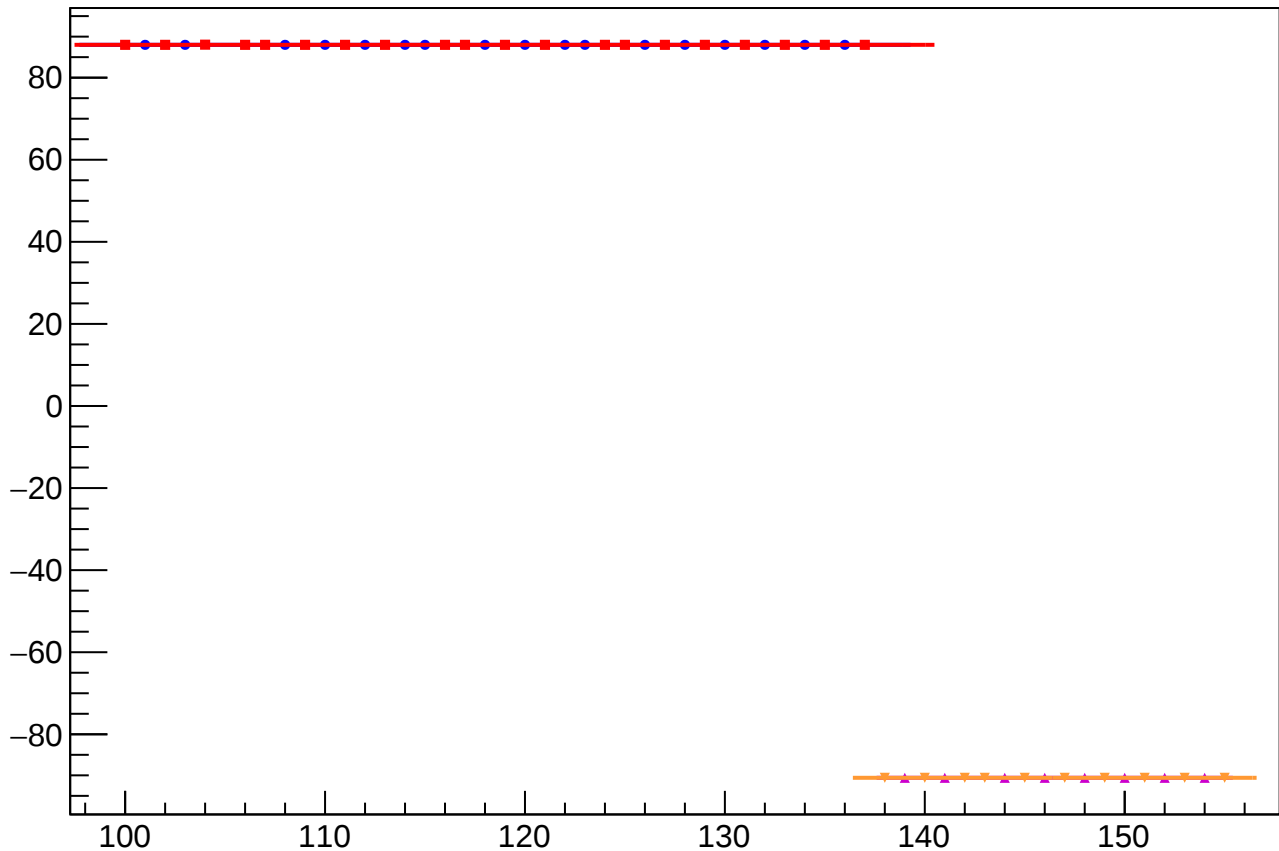
Right Out: 0.016+/-0.000 χ^2/NDF : 796839.8/19

Left In: 0.010+/-0.000 χ^2/NDF :451816.7/7

0.011+/-0.000 χ^2/NDF : 2230391.0/26

0.012+/-0.000 χ^2/NDF : 2501997.2/27

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

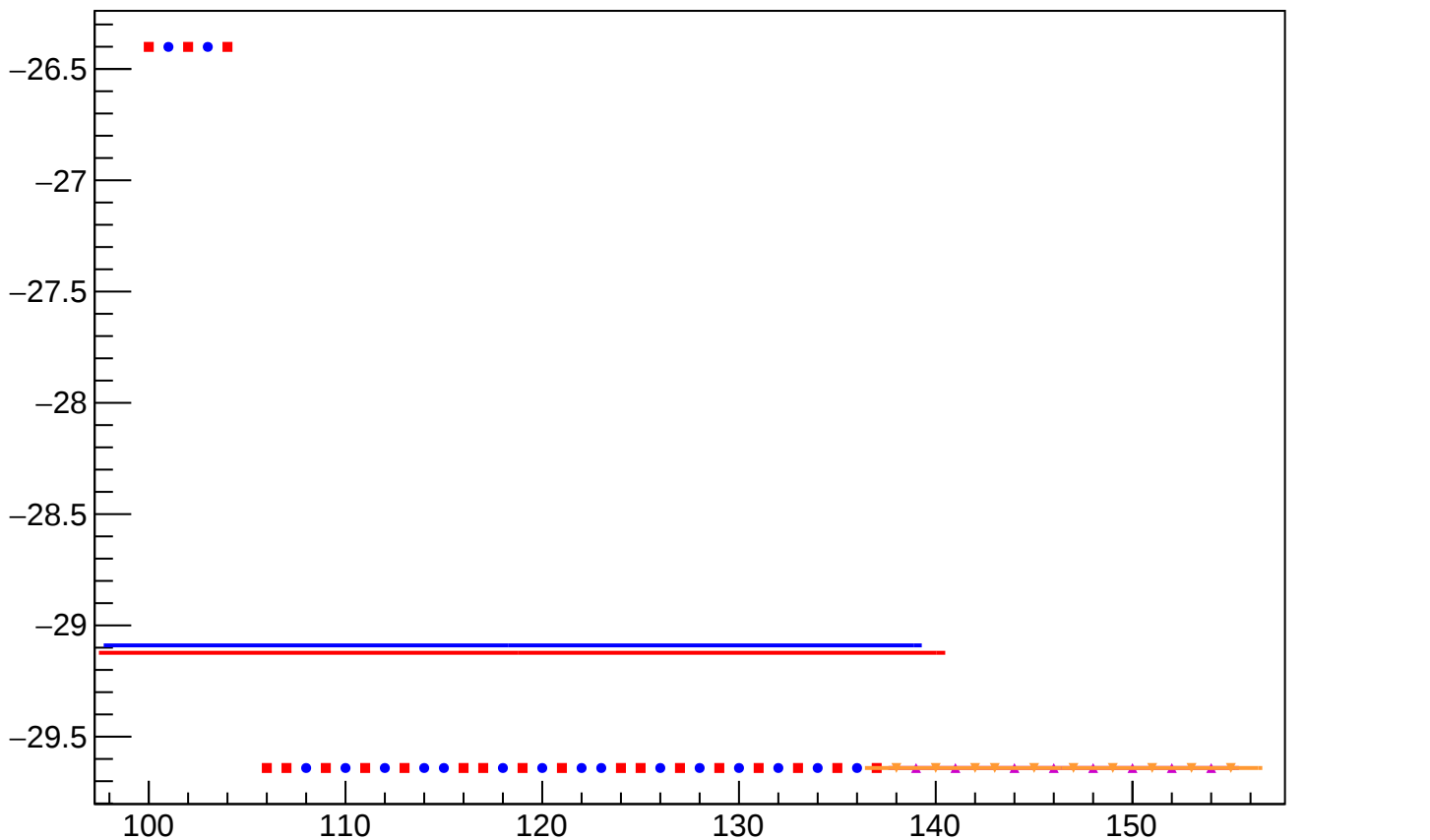
-5.235+/-0.000 χ^2/NDF : 115564639489807039

Right Out: 88.004+/-0.000 χ^2/NDF : 77578366411928007427611426816.0/19

1.821+/-0.000 χ^2/NDF : 1117491810477041164

Left In: -90.599+/-0.000 χ^2/NDF : 971573.7/7

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

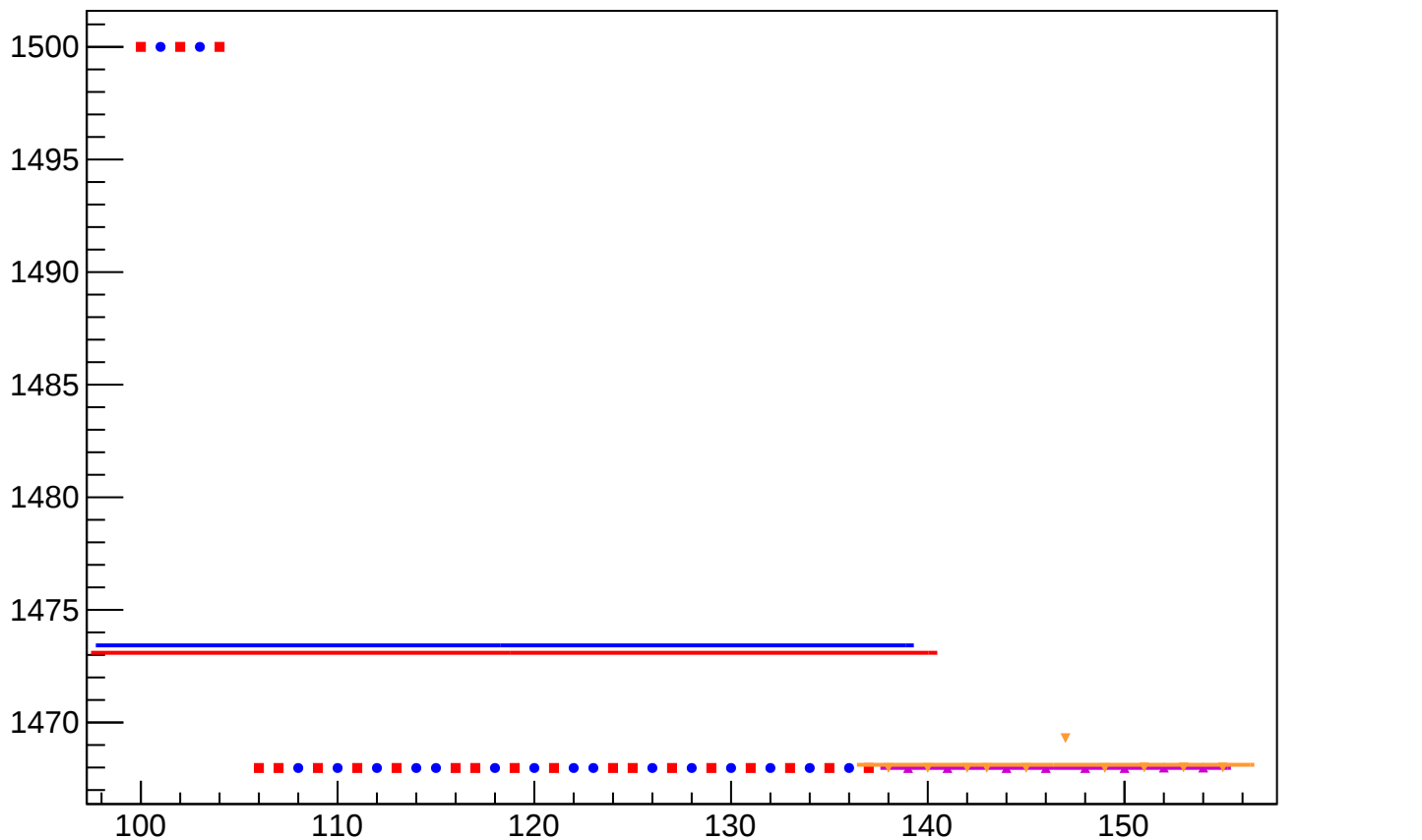
Right Out: -29.123+/-0.000 χ^2/NDF : 1023154512396702254583444720844800.0/19

Left In: -29.641+/-0.000 χ^2/NDF : 39329.4/7

-29.377+/-0.000 χ^2/NDF : 11380497322313978

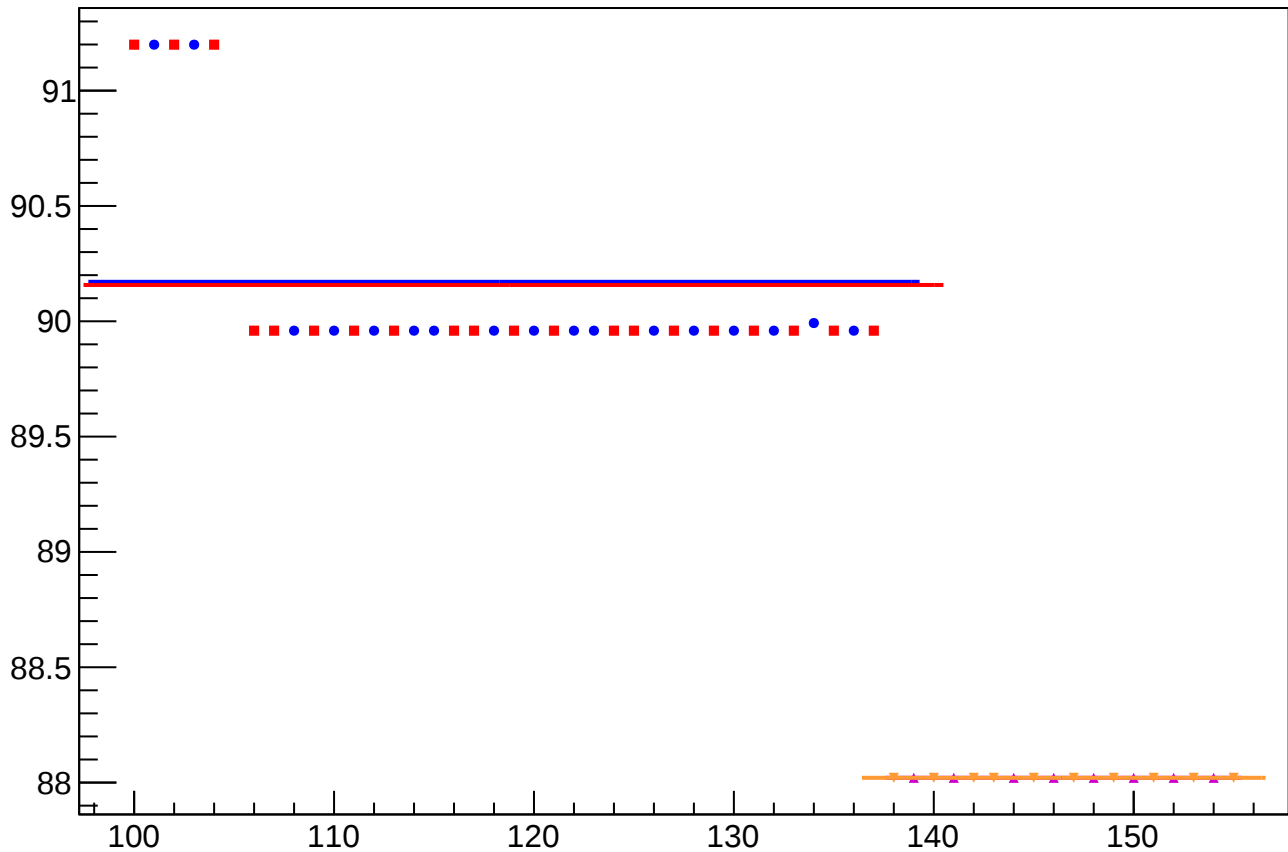
-29.373+/-0.000 χ^2/NDF : 11170404128296361

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: 1467.984+/-0.000 χ^2/NDF : 52098079747322590527269896192.0/7

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

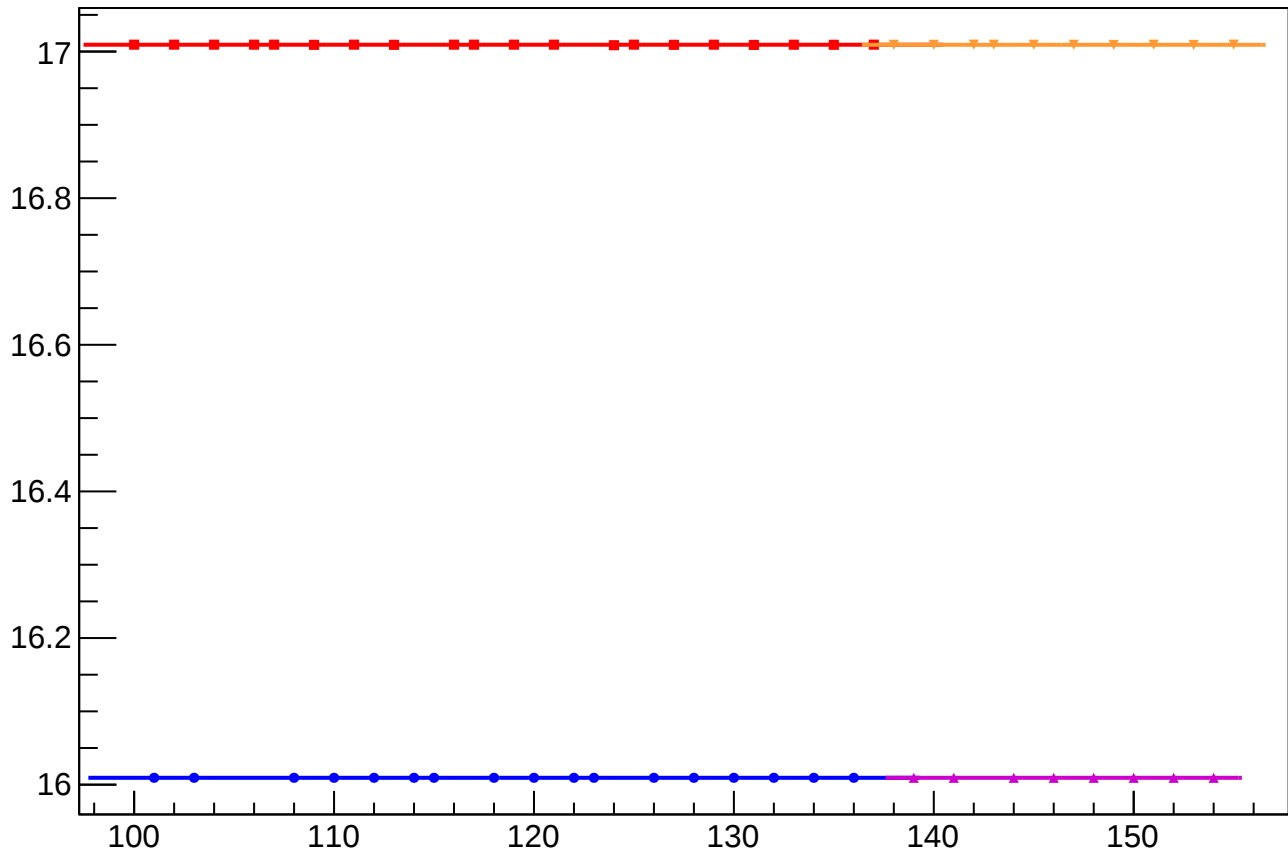
Right Out: 90.157+/-0.000 χ^2/NDF : 149863052341628336344772108091392.0/19

Left In: 88.021+/-0.000 χ^2/NDF : 1236328.1/7

89.049+/-0.000 χ^2/NDF : 182569367613062189

89.126+/-0.000 χ^2/NDF : 174928495981980675

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

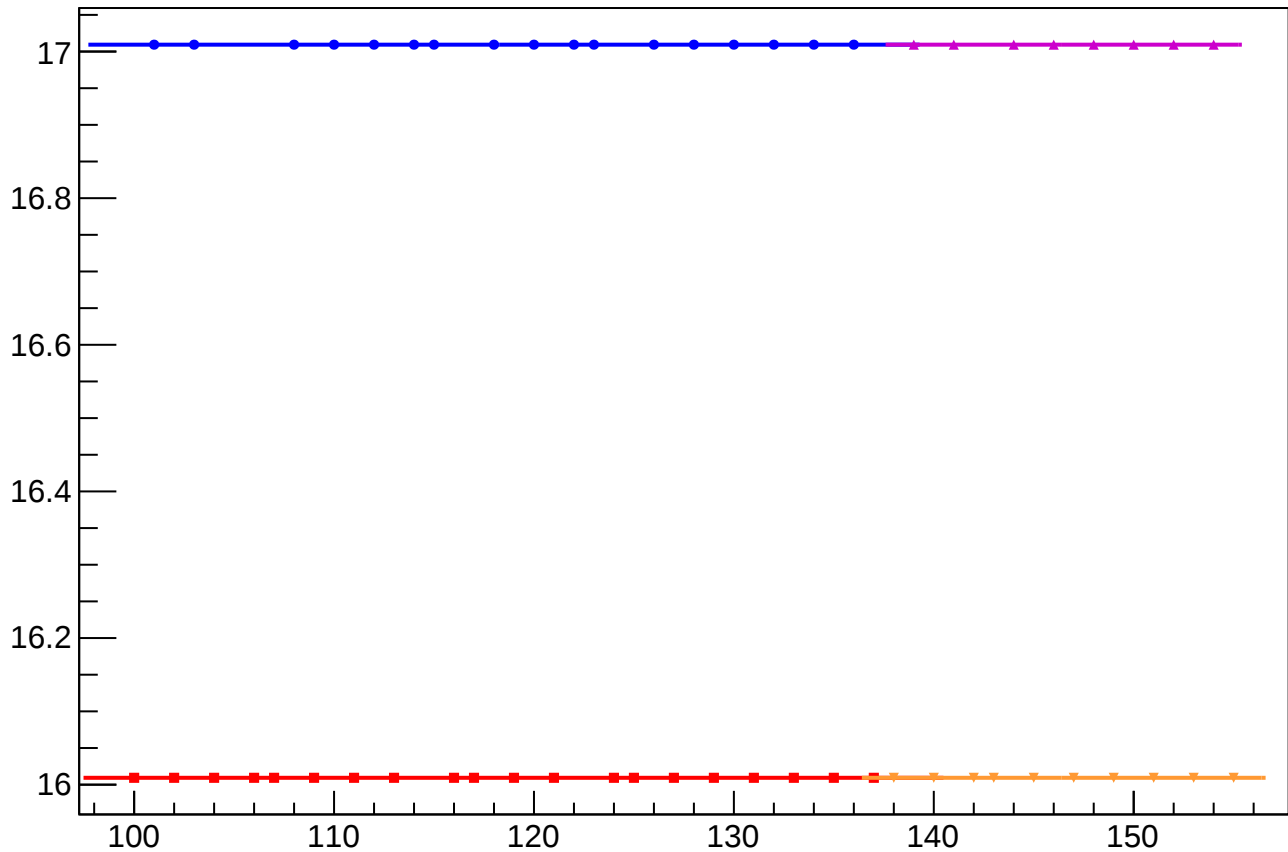
Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 12548783366686740957888512.0/19

Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 25344.5/7

16.516 $\pm$ 0.000 χ^2 /NDF: 335085067305944412

16.515 $\pm$ 0.000 χ^2 /NDF: 325148088794001320

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2/NDF : 132629.6/16

Left Out: 16.009 $\pm$ 0.000 χ^2/NDF : 28941.7/9

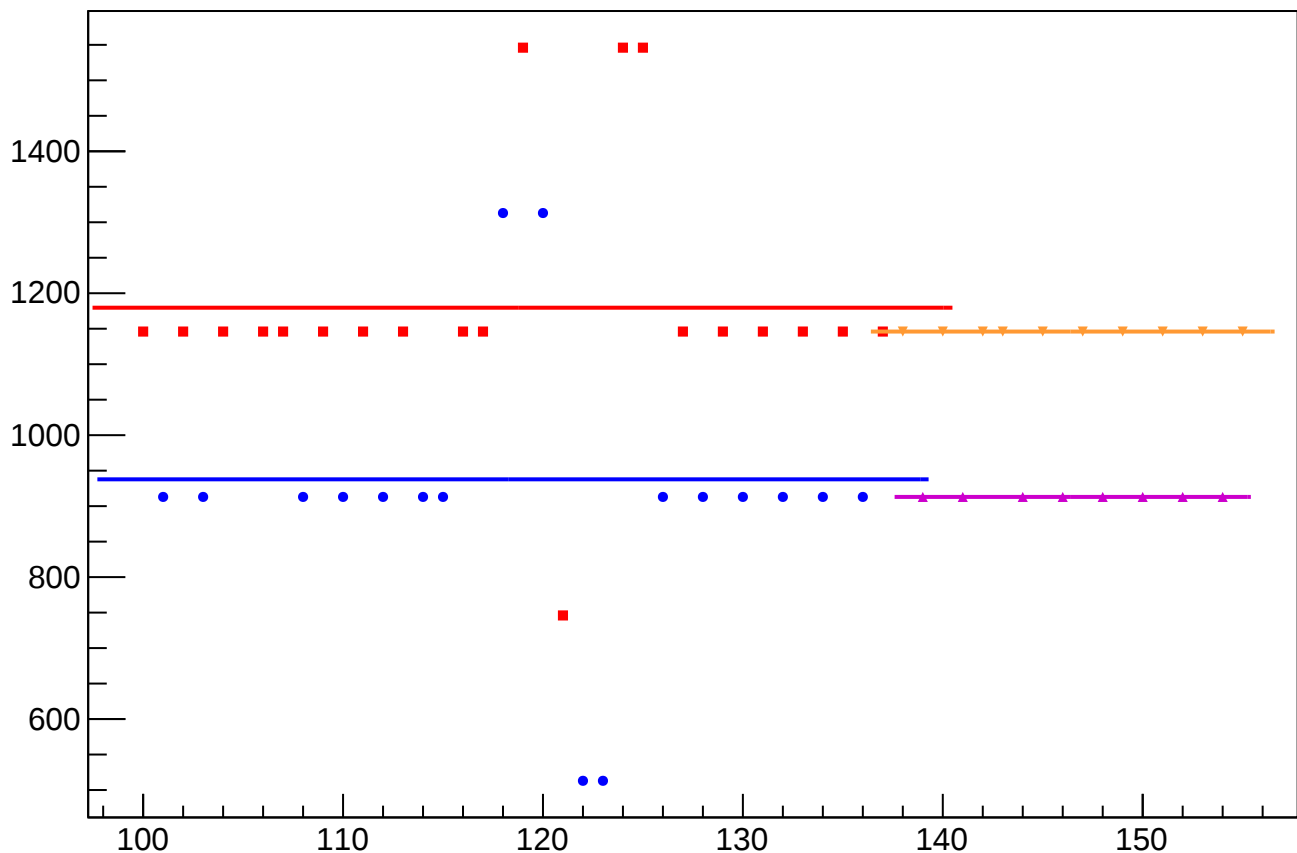
Right Out: 16.009 $\pm$ 0.000 χ^2/NDF : 42750.0/19

Left In: 17.009 $\pm$ 0.000 χ^2/NDF : 11044.1/7

16.478 $\pm$ 0.000 χ^2/NDF : 351628895184130940

16.494 $\pm$ 0.000 χ^2/NDF : 348684097421172357

epics_RTPAPOSUCNTs_mean vs Slug



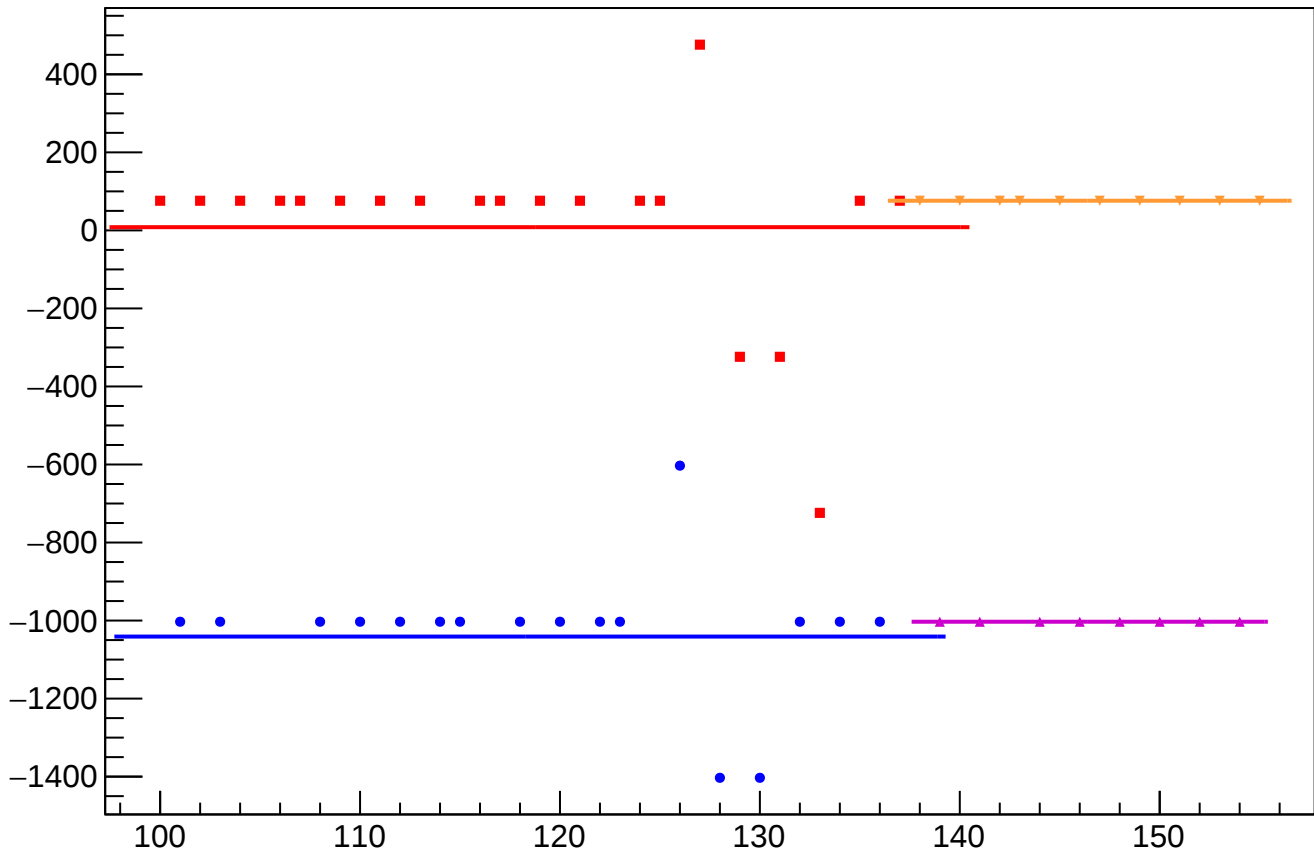
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

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: 912.993+/-0.000 χ^2/NDF : 9511711253715528553815080960.0/7

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 χ^2/NDF : 4747390487741020
 Right Out: 8.240+/-0.000 χ^2/NDF : 43865391744972338137265798243810279424.0/19
 Left In: -1002.989+/-0.000 χ^2/NDF : 1046062123918308618941759488.0/7 χ^2/NDF : 4020998719449536